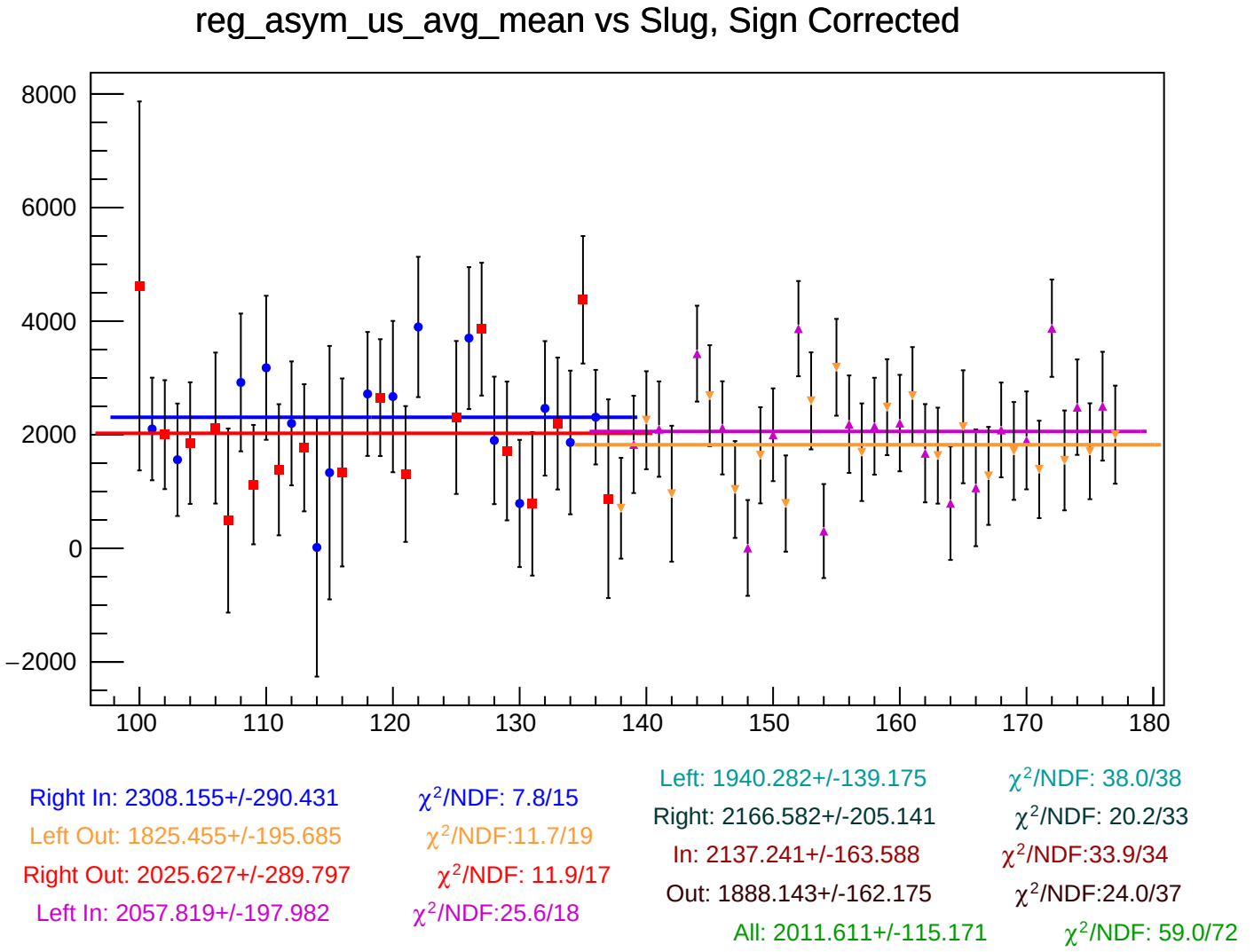
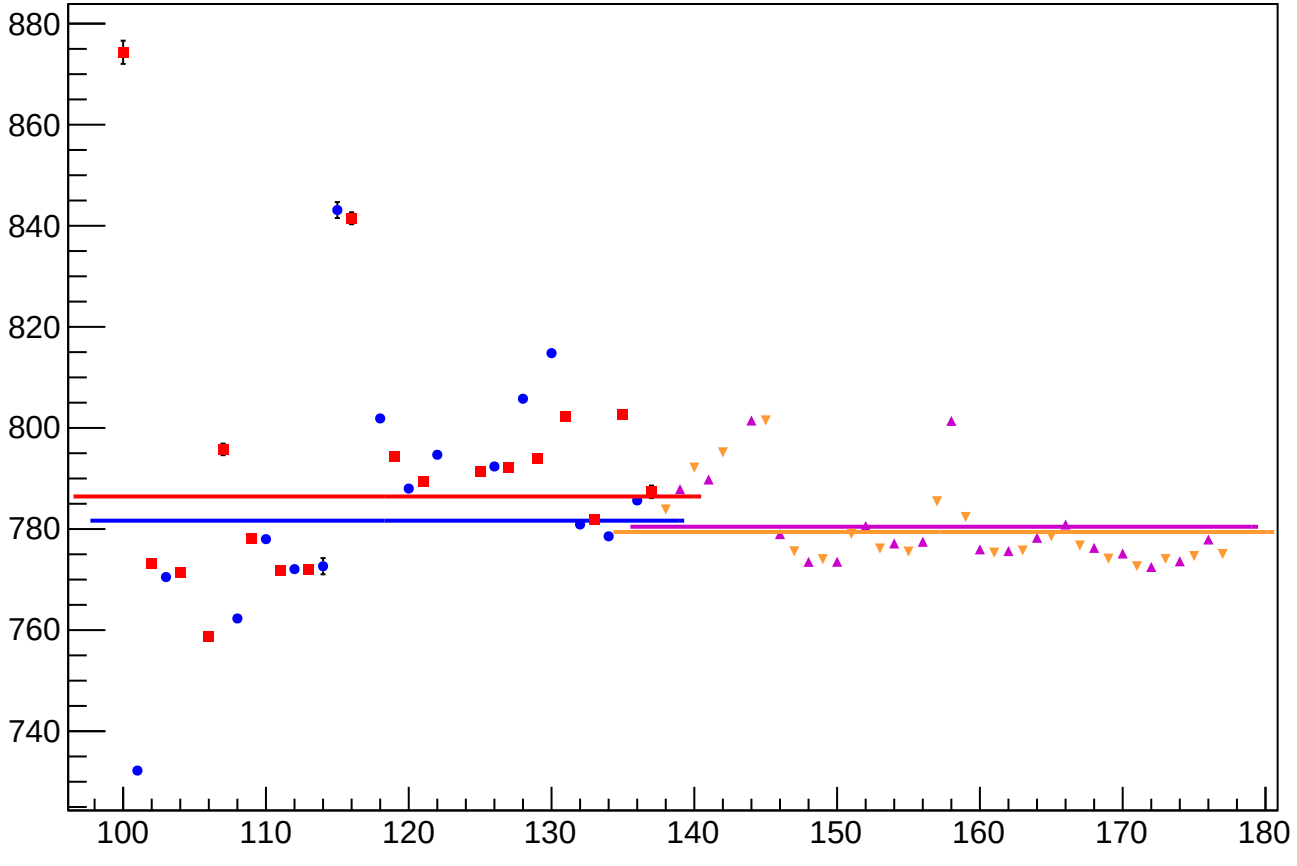

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
180
Right In: 2308.155+/-290.431 χ²/NDF: 7.8/15
Left Out: 1825.455+/-195.685 χ²/NDF:11.7/19
Right Out: 2025.627+/-289.797 χ²/NDF: 11.9/17
Left In: 2057.819+/-197.982 χ²/NDF:25.6/18
Left: 1940.282+/-139.175 χ²/NDF: 38.0/38
Right: 2166.582+/-205.141 χ²/NDF: 20.2/33
In: 2137.241+/-163.588 χ²/NDF:33.9/34
Out: 1888.143+/-162.175 χ²/NDF:24.0/37
All: 2011.611+/-115.171 χ²/NDF: 59.0/72

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 779.414+/-0.138 χ^2/NDF:2874.2/19

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

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

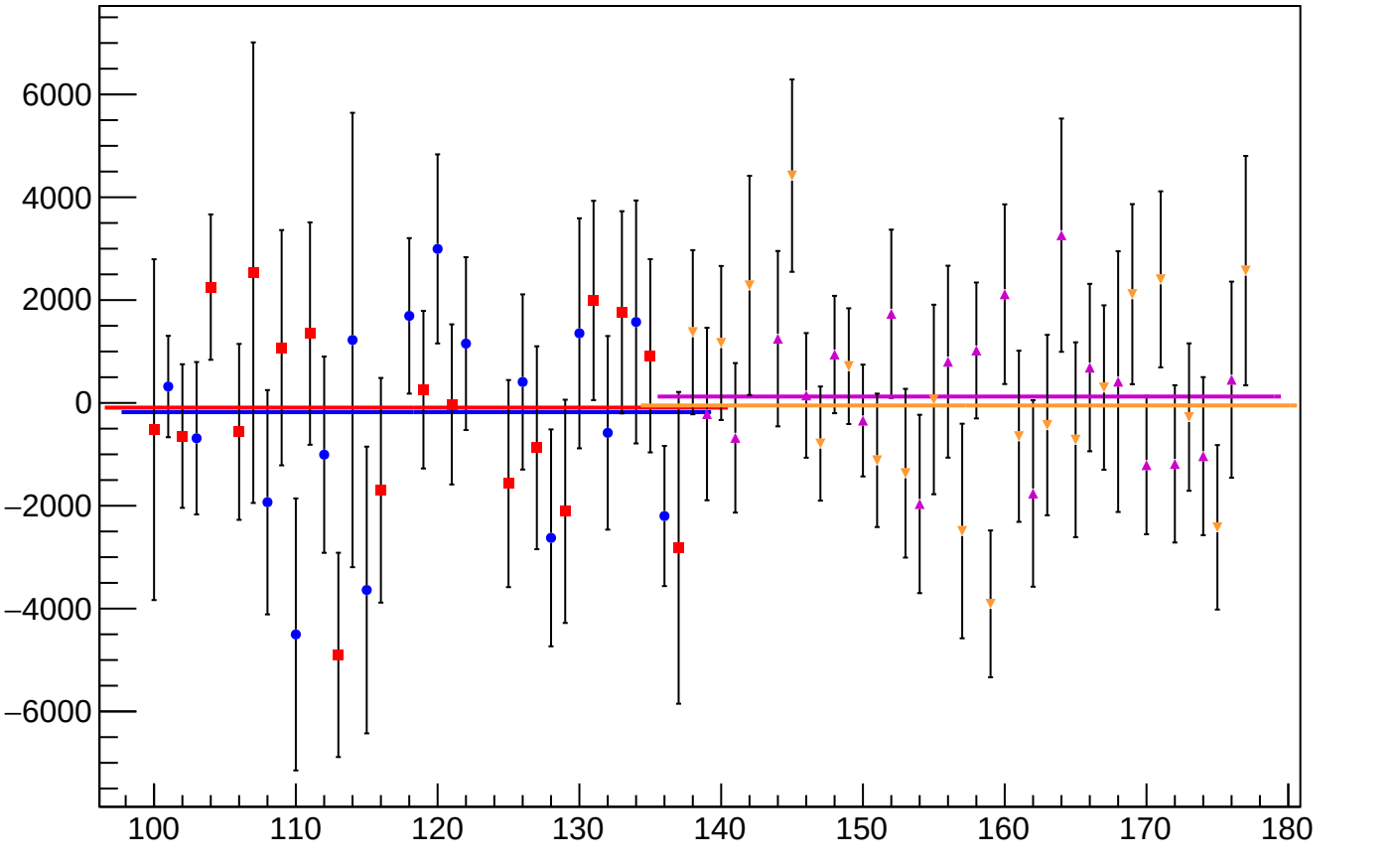
Left: 779.927+/-0.098 χ^2/NDF: 6658.6/38

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

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

Out: 781.615+/-0.115 χ^2/NDF:10884.0/37

All: 781.228+/-0.081 χ^2/NDF: 27005.9/72



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

Left Out: -49.977+/-352.954 χ^2/NDF:26.8/19

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

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

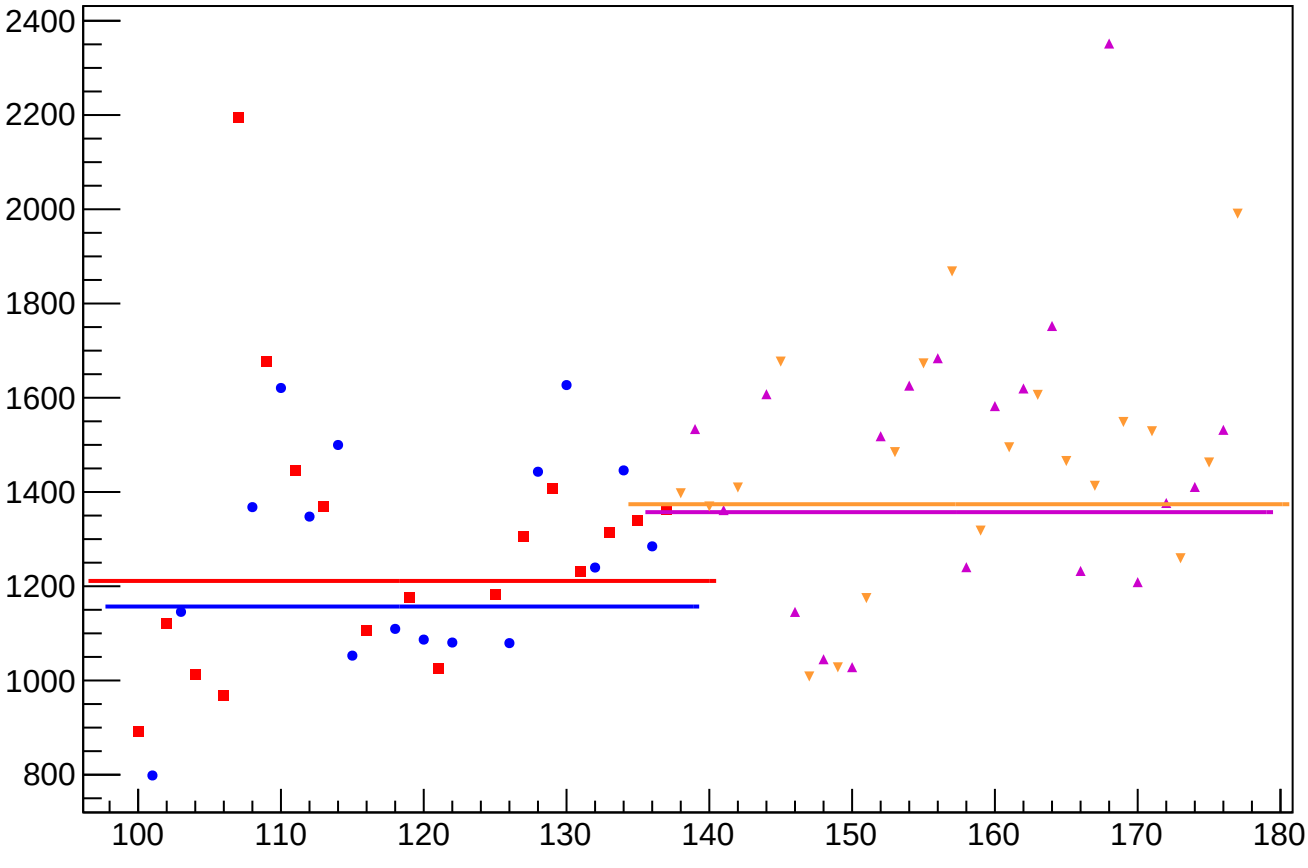
Left: 37.210+/-249.246 χ^2/NDF: 38.2/38

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

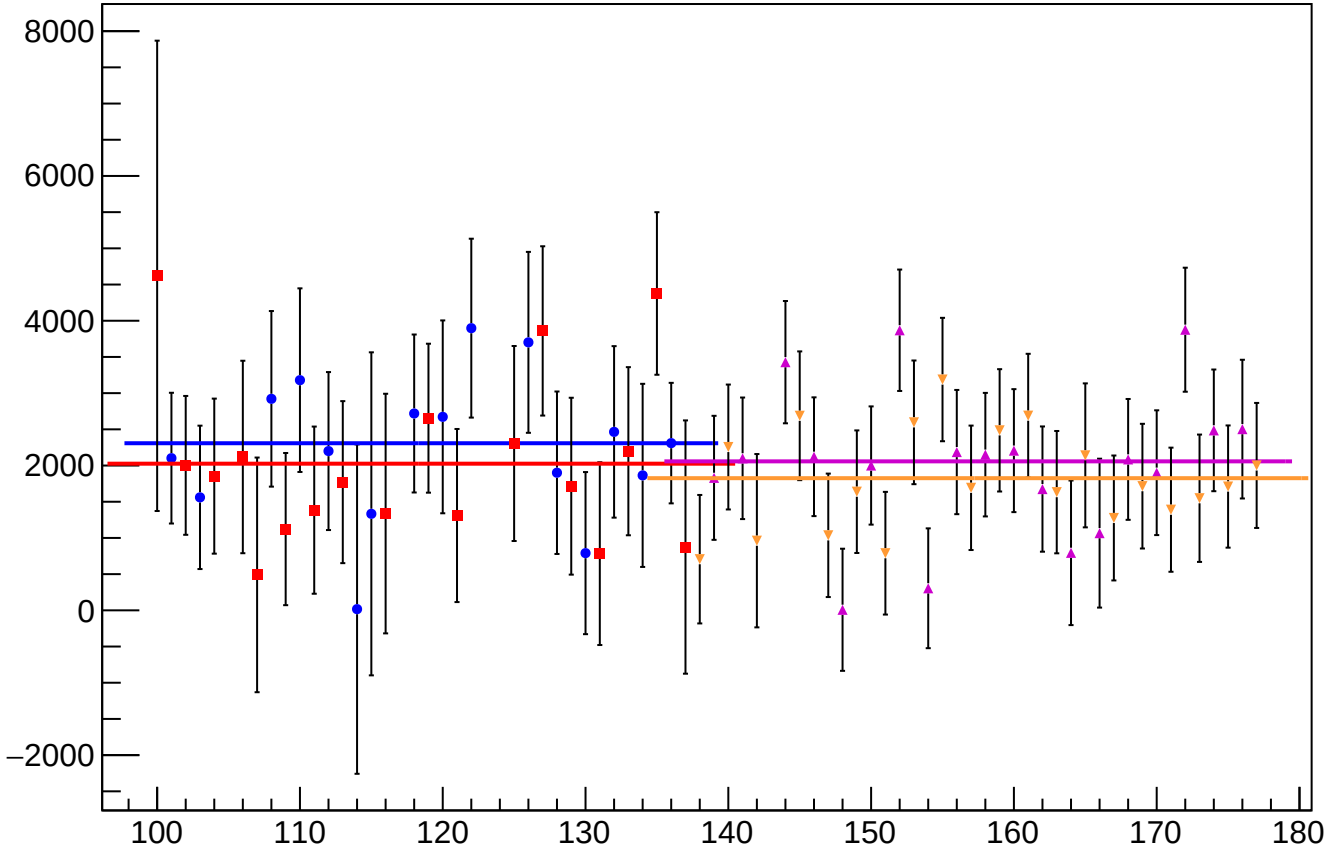
In: 5.600+/-275.064 χ^2/NDF:26.9/34

Out: -65.505+/-278.839 χ^2/NDF:42.0/37

All: -29.468+/-195.821 χ^2/NDF: 68.9/72


asym_us_avg_reg_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: 1156.948+/-0.312 χ²/NDF: 569119.8/15
Left Out: 1374.077+/-0.250 χ²/NDF:942993.0/19
Right Out: 1211.264+/-0.322 χ²/NDF: 397714.5/17
Left In: 1357.237+/-0.249 χ²/NDF:1102267.4/18
Left: 1365.635+/-0.176 χ²/NDF: 2047542.8/38
Right: 1183.255+/-0.224 χ²/NDF: 981543.7/33
In: 1279.236+/-0.194 χ²/NDF:1923529.3/34
Out: 1312.879+/-0.197 χ²/NDF:1500669.6/37
All: 1295.829+/-0.138 χ²/NDF: 3438954.5/72

cor_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1825.455+/-195.685 χ^2/NDF:11.7/19

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

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

Left: 1940.282+/-139.175 χ^2/NDF: 38.0/38

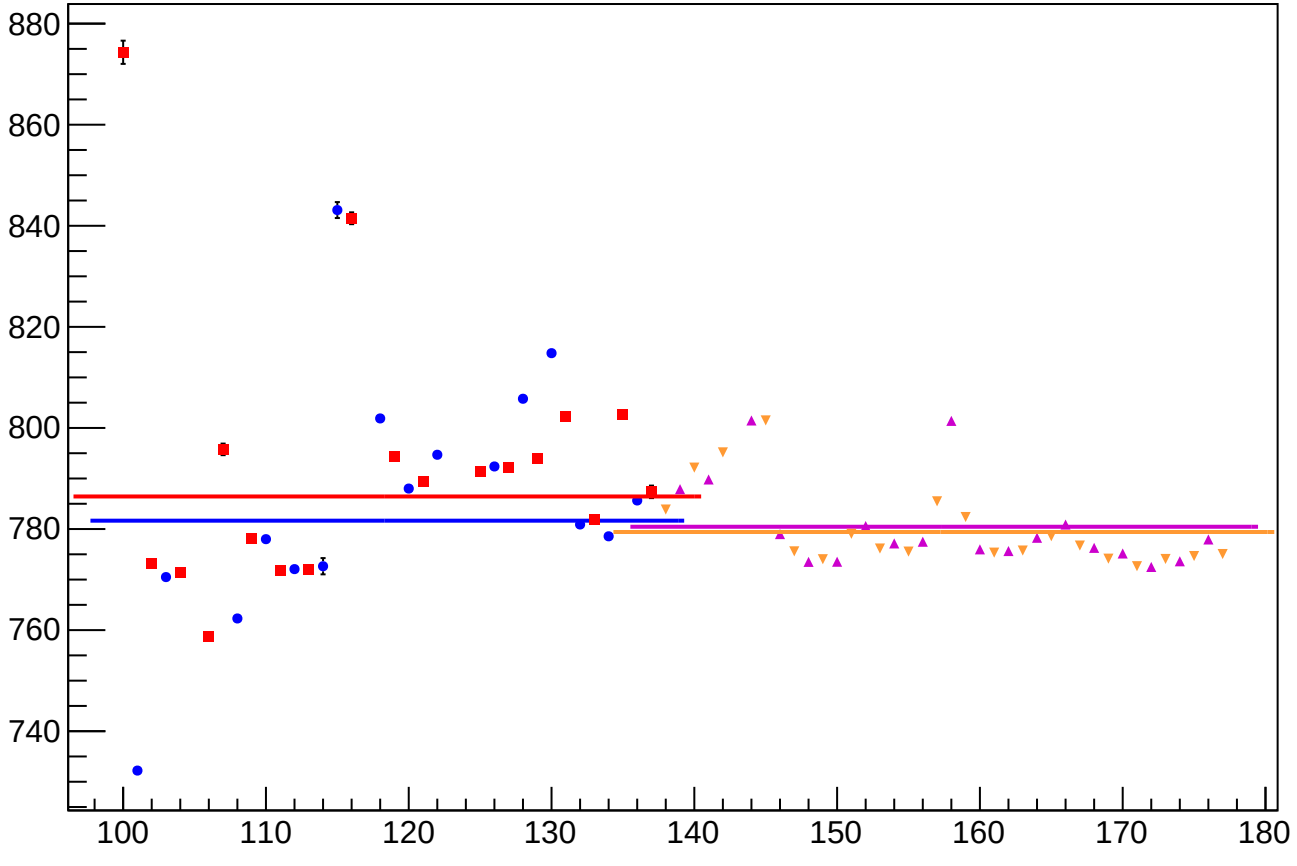
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

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

Out: 1888.143+/-162.175 χ^2/NDF:24.0/37

All: 2011.611+/-115.171 χ^2/NDF: 59.0/72

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 779.414+/-0.138 χ^2/NDF:2874.2/19

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

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

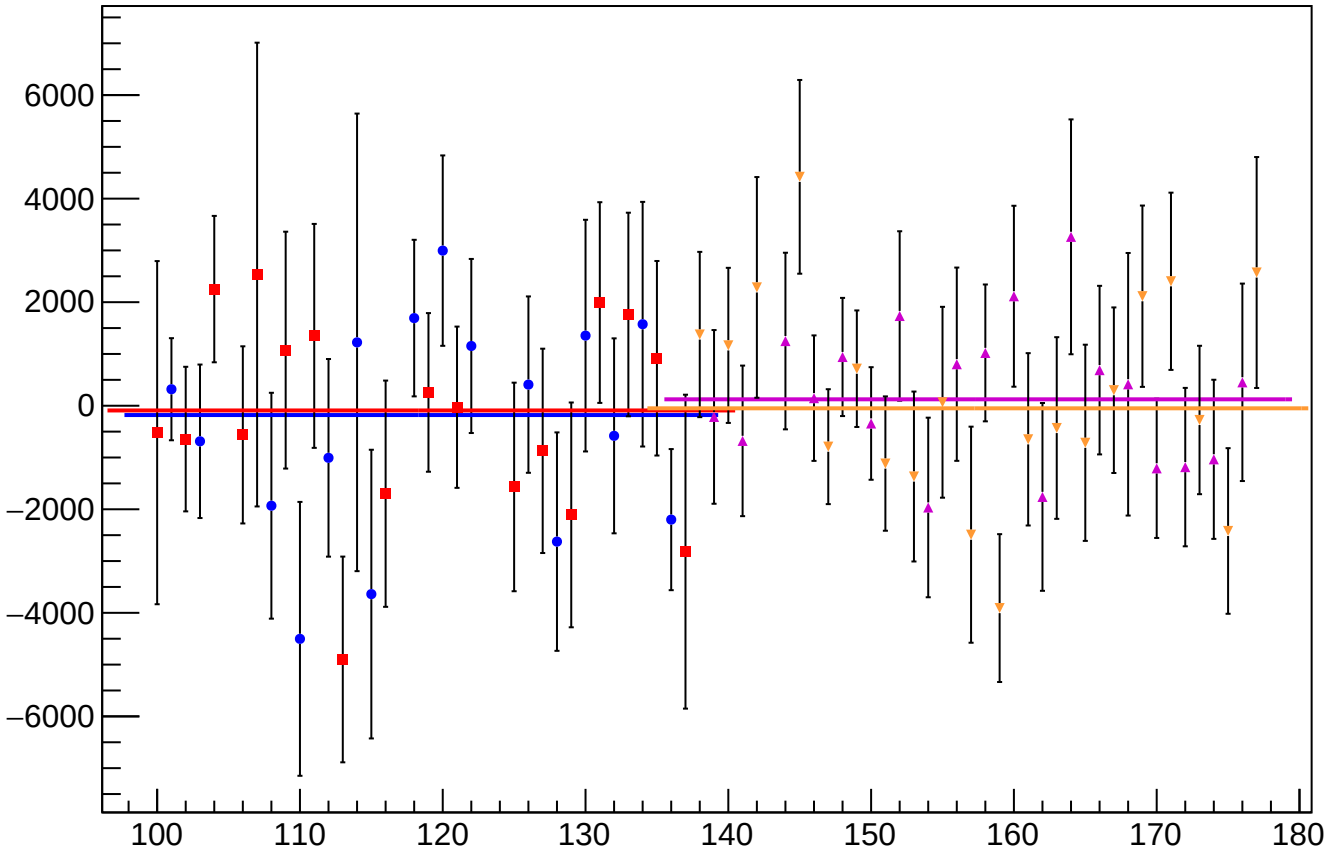
Left: 779.927+/-0.098 χ^2/NDF: 6658.6/38

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

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

Out: 781.615+/-0.115 χ^2/NDF:10884.0/37

All: 781.228+/-0.081 χ^2/NDF: 27005.9/72



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

Left Out: -49.977+/-352.954 χ^2/NDF:26.8/19

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

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

Left: 37.210+/-249.246 χ^2/NDF: 38.2/38

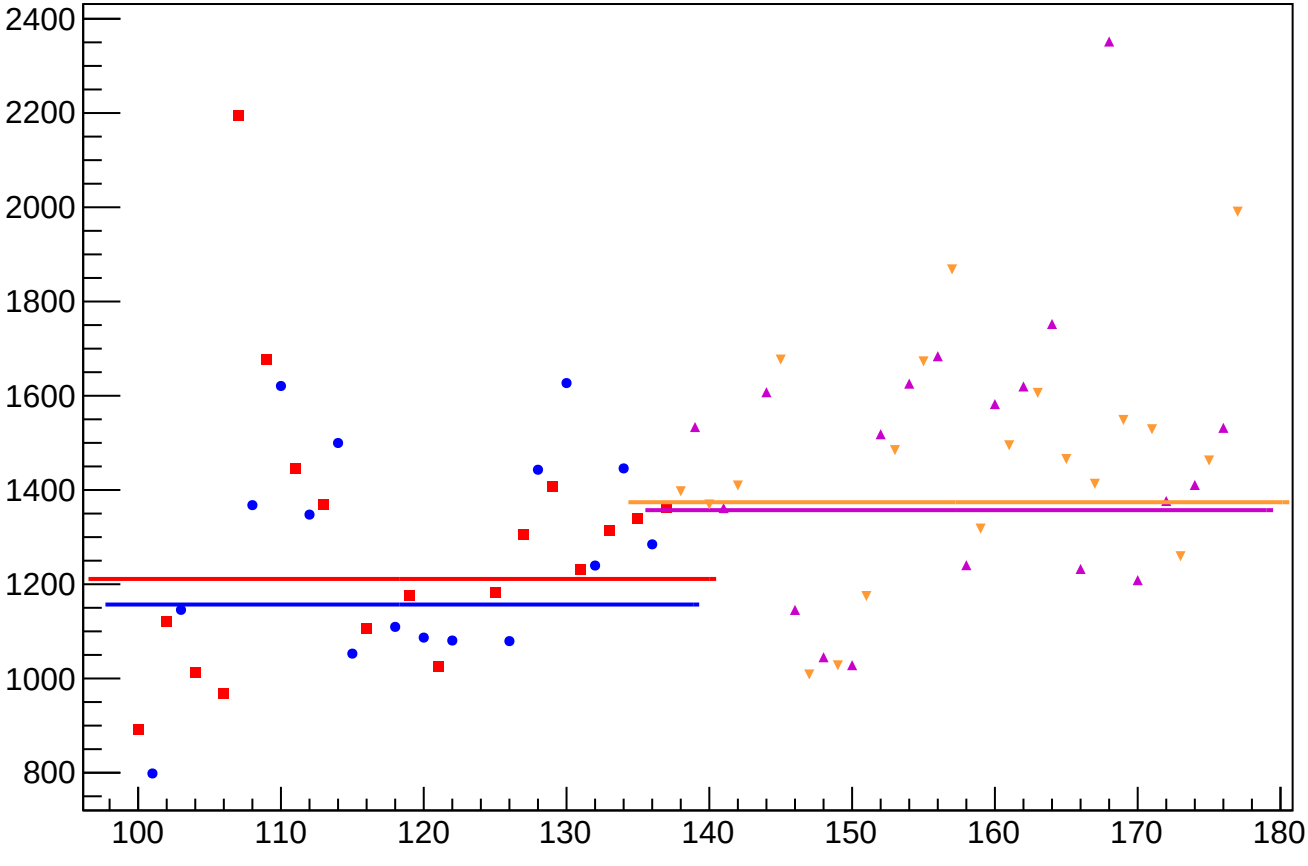
Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: 5.600+/-275.064 χ^2/NDF:26.9/34

Out: -65.505+/-278.839 χ^2/NDF:42.0/37

All: -29.468+/-195.821 χ^2/NDF: 68.9/72

asym_us_avg_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1374.077+/-0.250 χ^2/NDF:942993.0/19

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

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

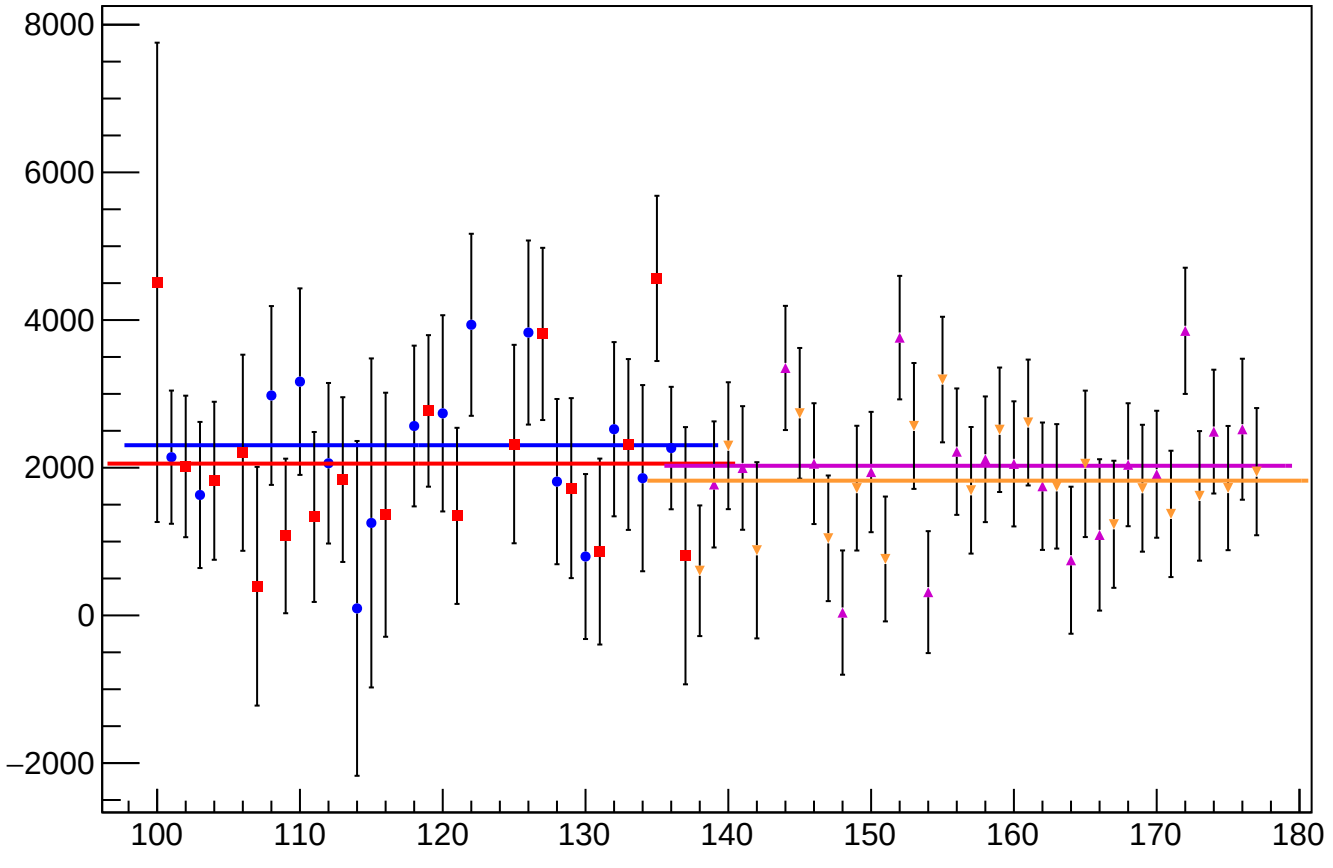
Left: 1365.635+/-0.176 χ^2/NDF: 2047542.8/38

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

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

Out: 1312.879+/-0.197 χ^2/NDF:1500669.6/37

All: 1295.829+/-0.138 χ^2/NDF: 3438954.5/72



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

Left Out: 1824.724+/-195.170 χ^2/NDF:12.1/19

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

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

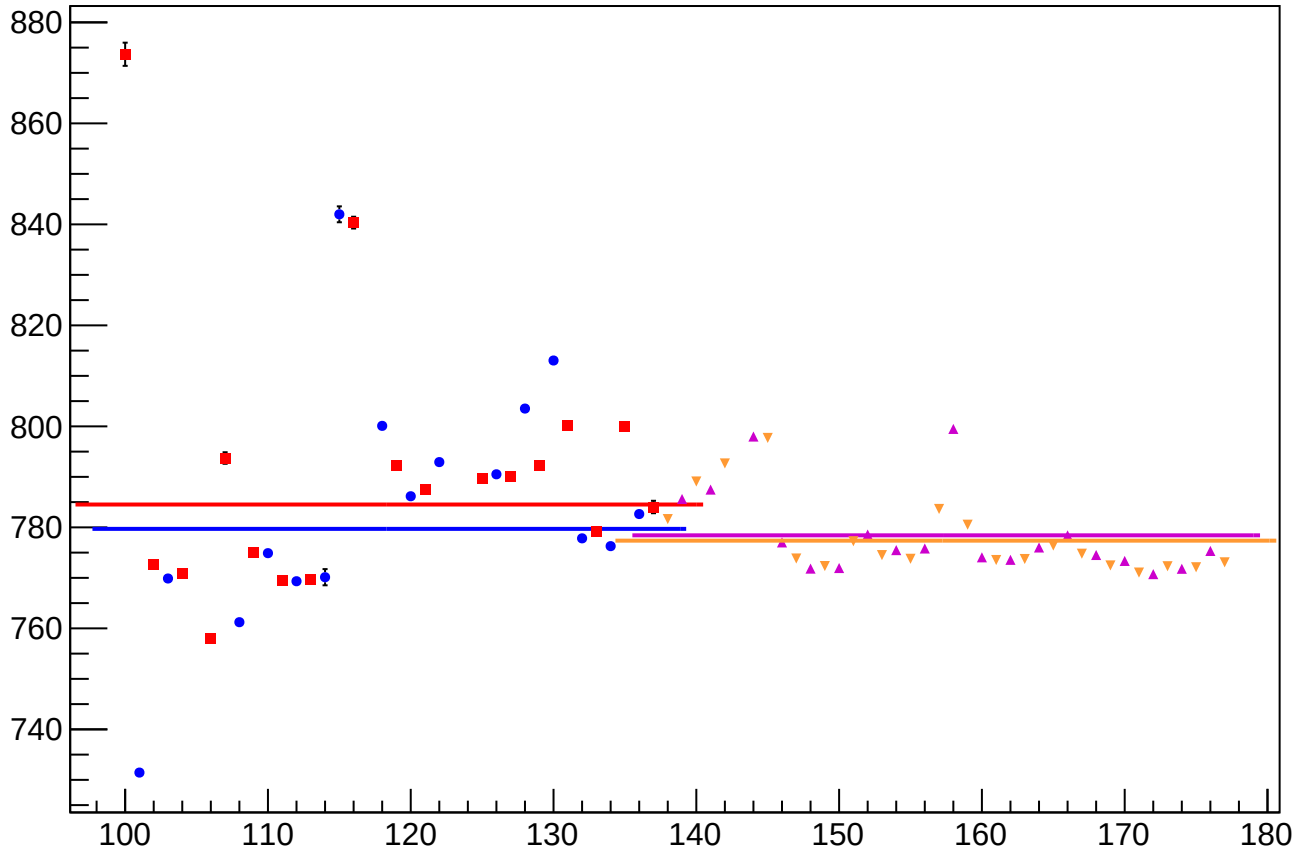
Left: 1924.381+/-138.811 χ^2/NDF: 37.2/38

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

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

Out: 1897.029+/-161.758 χ^2/NDF:25.4/37

All: 2004.934+/-114.875 χ^2/NDF: 59.6/72



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

Left Out: 777.370+/-0.138 χ^2/NDF:2569.5/19

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

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

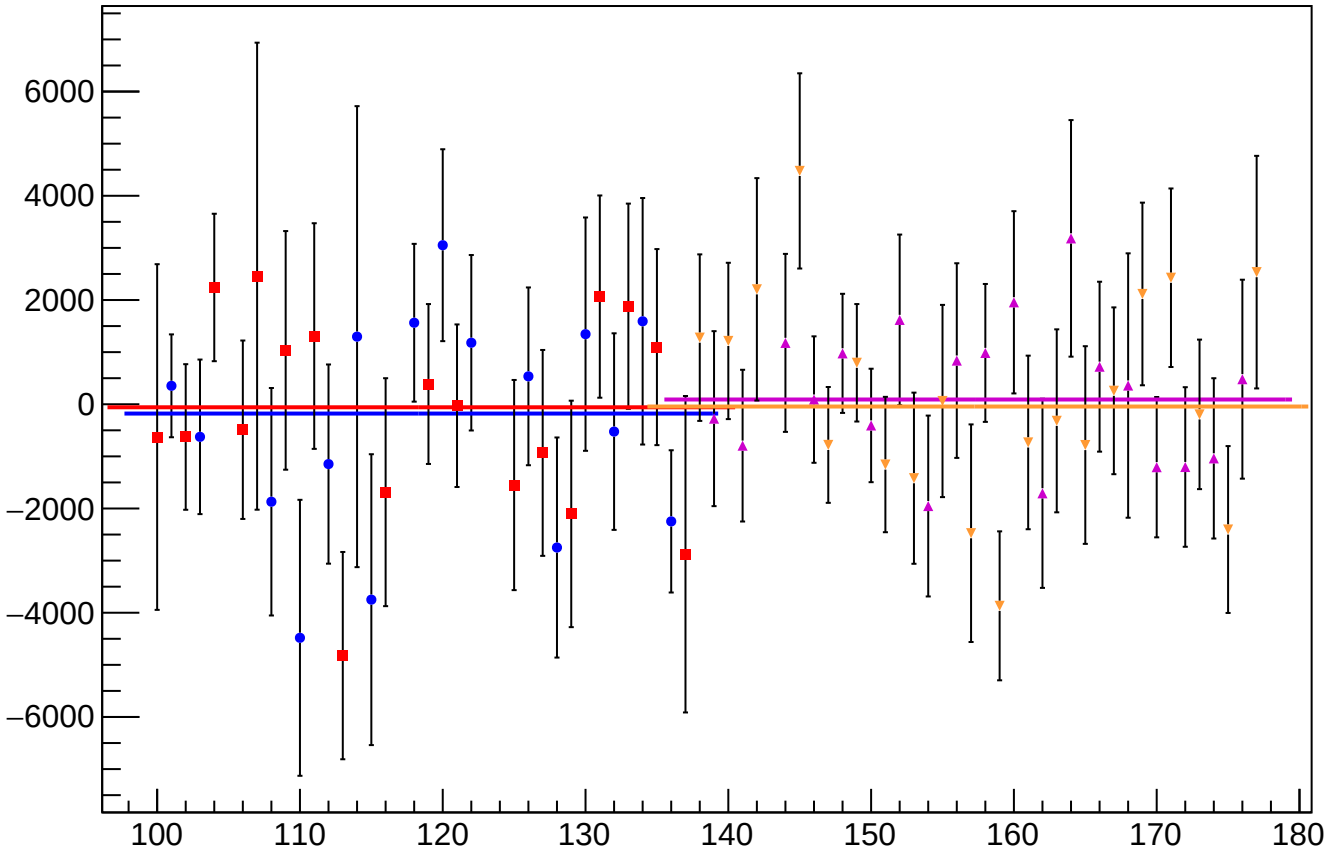
Left: 777.891+/-0.098 χ^2/NDF: 6129.5/38

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

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

Out: 779.610+/-0.114 χ^2/NDF:10571.0/37

All: 779.223+/-0.081 χ^2/NDF: 26212.2/72



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

Left Out: -43.555+/-353.275 χ^2/NDF:26.8/19

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

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

Left: 24.020+/-249.472 χ^2/NDF: 37.7/38

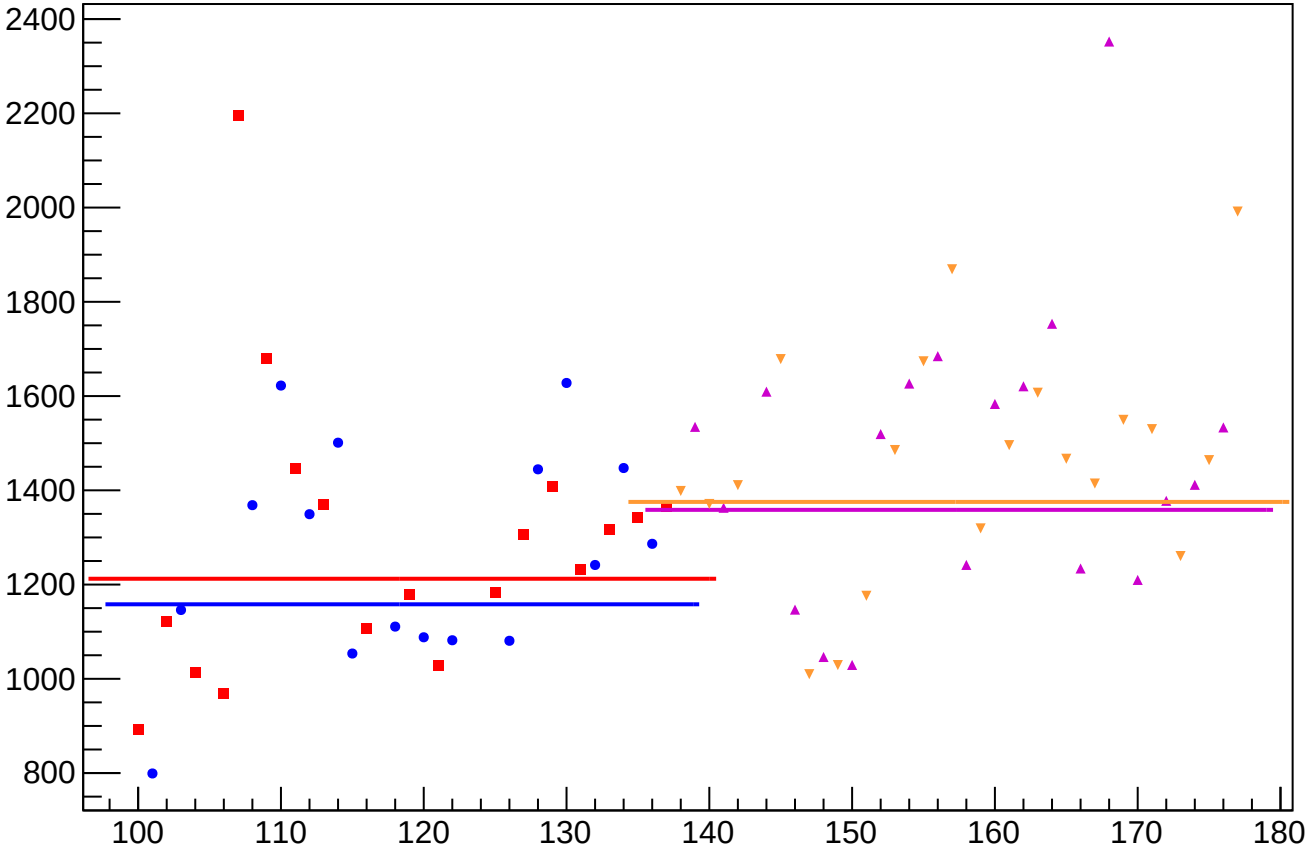
Right: -120.128+/-316.821 χ^2/NDF: 31.0/33

In: -13.777+/-275.325 χ^2/NDF:26.8/34

Out: -49.000+/-279.091 χ^2/NDF:42.0/37

All: -31.149+/-196.002 χ^2/NDF: 68.8/72

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: 1375.407+/-0.250 χ^2/NDF:940491.2/19

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

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

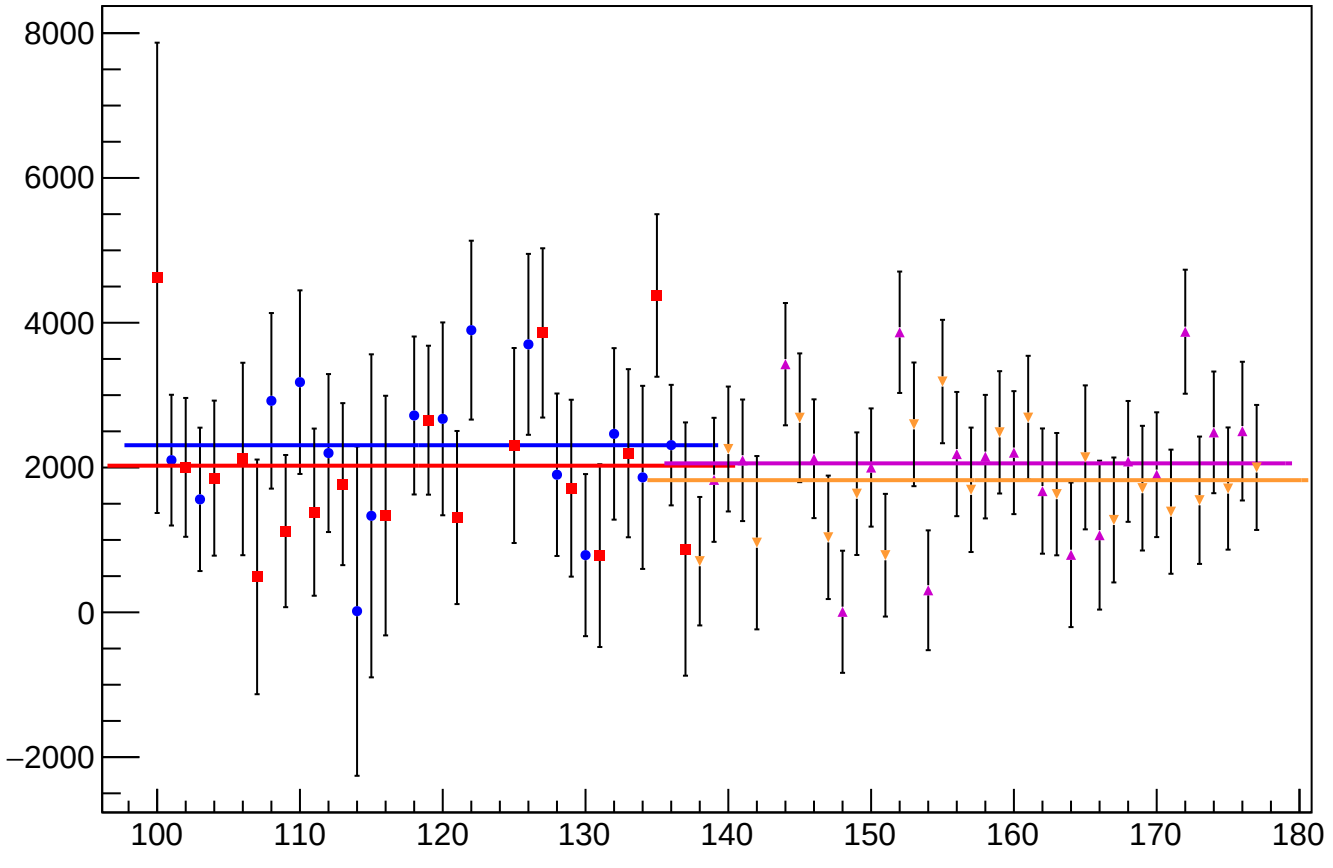
Left: 1366.949+/-0.176 χ^2/NDF: 2042598.7/38

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

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

Out: 1314.115+/-0.197 χ^2/NDF:1498591.0/37

All: 1297.080+/-0.139 χ^2/NDF: 3434195.4/72



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

Left Out: 1825.455+/-195.685 χ^2/NDF:11.7/19

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

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

Left: 1940.282+/-139.175 χ^2/NDF: 38.0/38

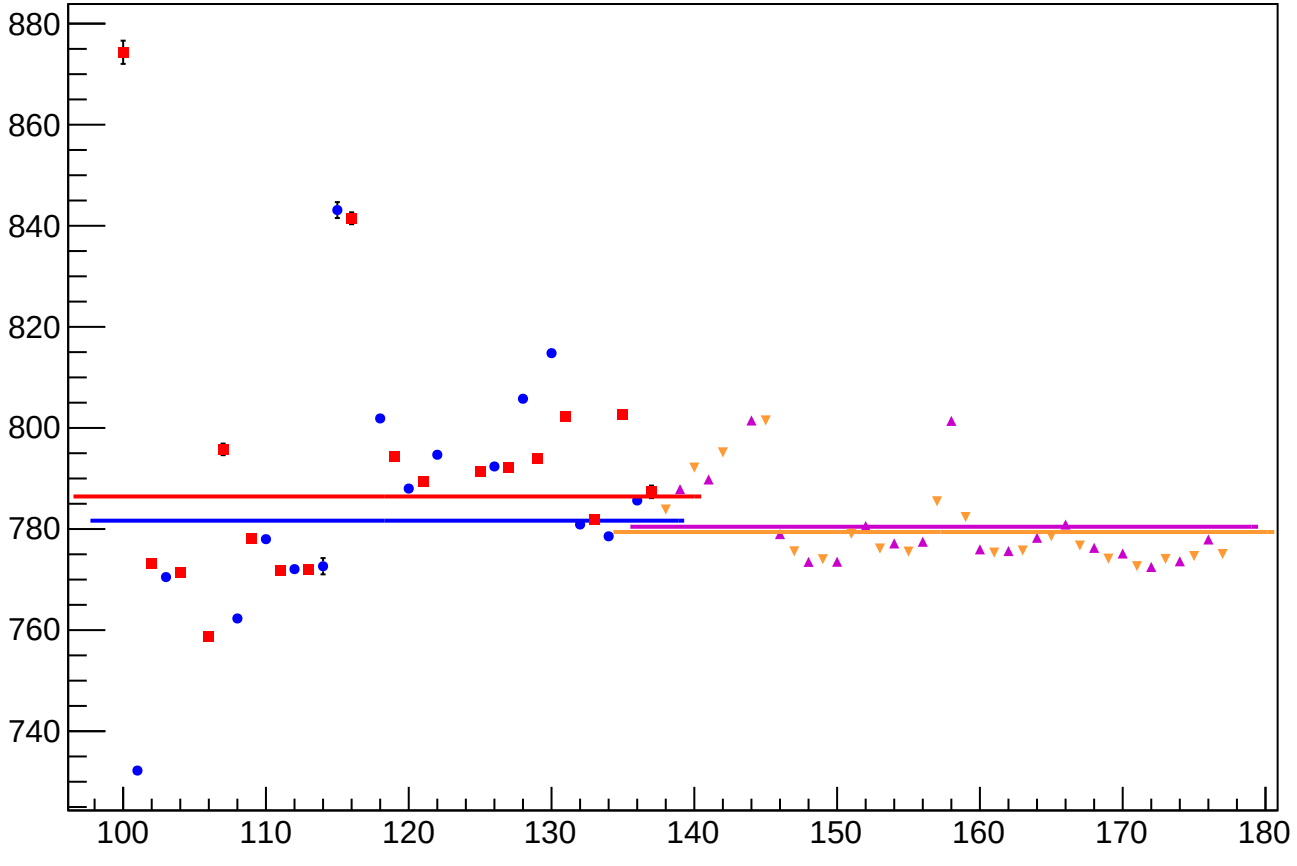
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

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

Out: 1888.143+/-162.175 χ^2/NDF:24.0/37

All: 2011.611+/-115.171 χ^2/NDF: 59.0/72

eigen_cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 779.414+/-0.138 χ^2/NDF:2874.2/19

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

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

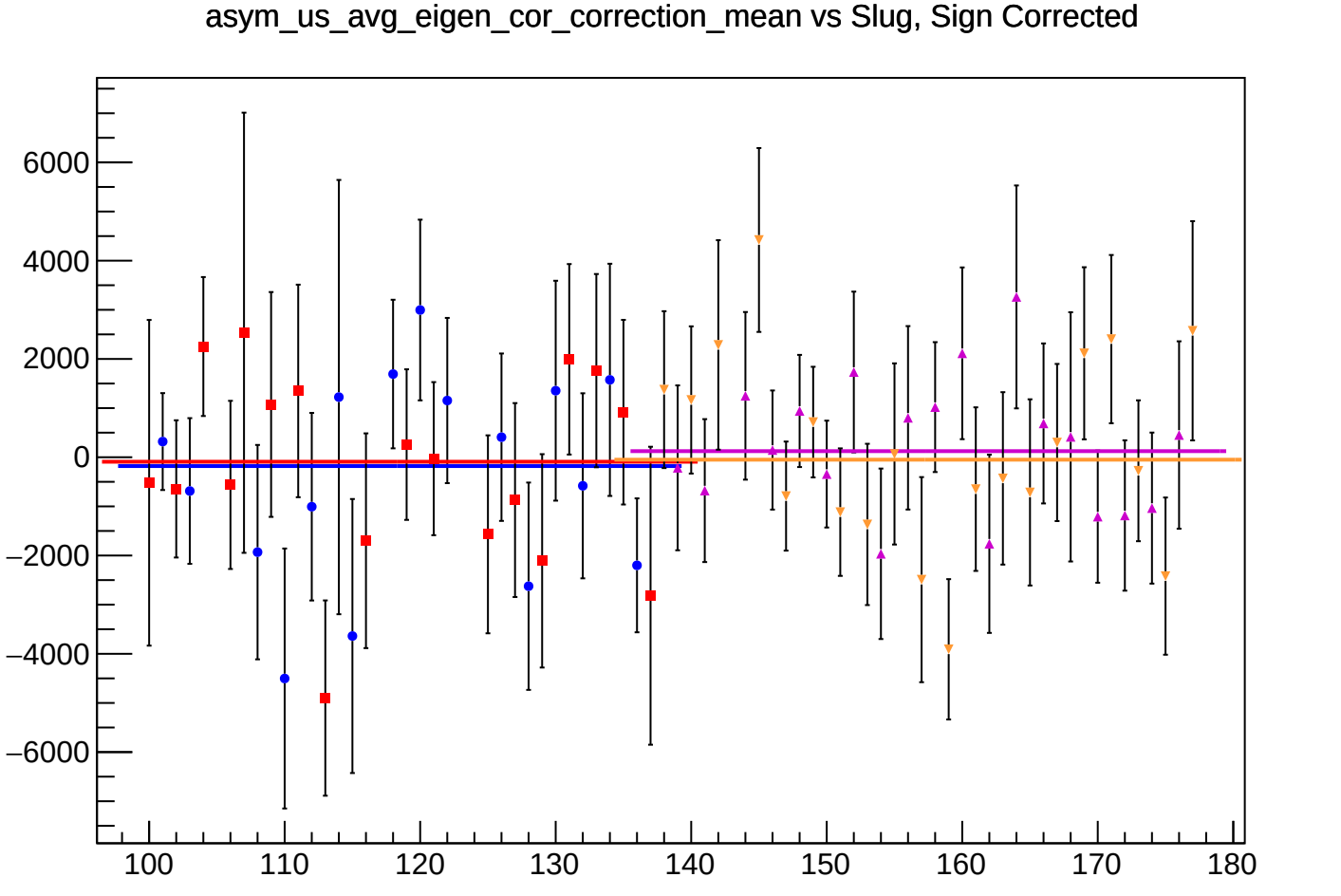
Left: 779.927+/-0.098 χ^2/NDF: 6658.6/38

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

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

Out: 781.615+/-0.115 χ^2/NDF:10884.0/37

All: 781.228+/-0.081 χ^2/NDF: 27005.9/72



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

Left Out: -49.977+/-352.954 χ^2/NDF:26.8/19

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

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

Left: 37.210+/-249.246 χ^2/NDF: 38.2/38

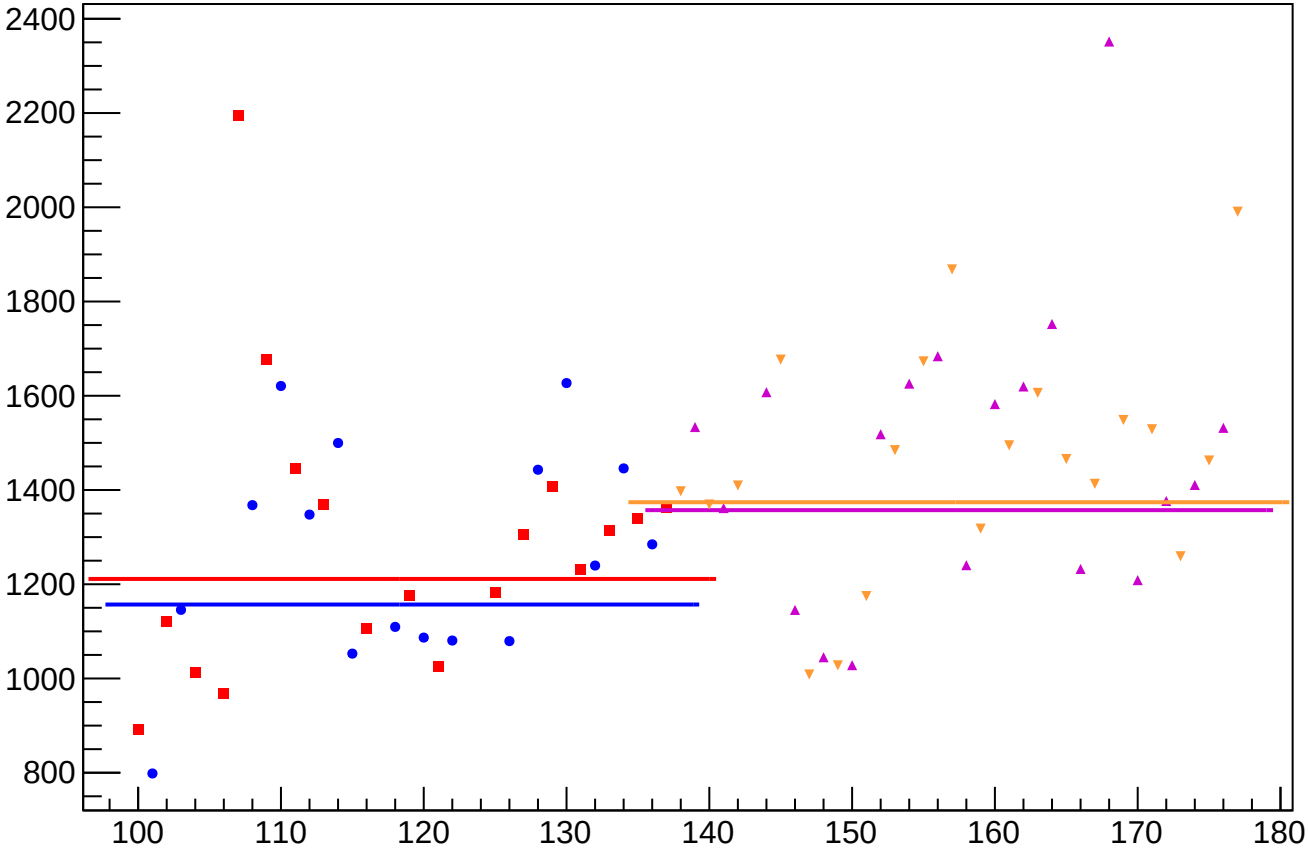
Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: 5.600+/-275.064 χ^2/NDF:26.9/34

Out: -65.505+/-278.839 χ^2/NDF:42.0/37

All: -29.468+/-195.821 χ^2/NDF: 68.9/72

asym_us_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1374.077+/-0.250 χ^2/NDF:942993.0/19

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

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

Left: 1365.635+/-0.176 χ^2/NDF: 2047542.8/38

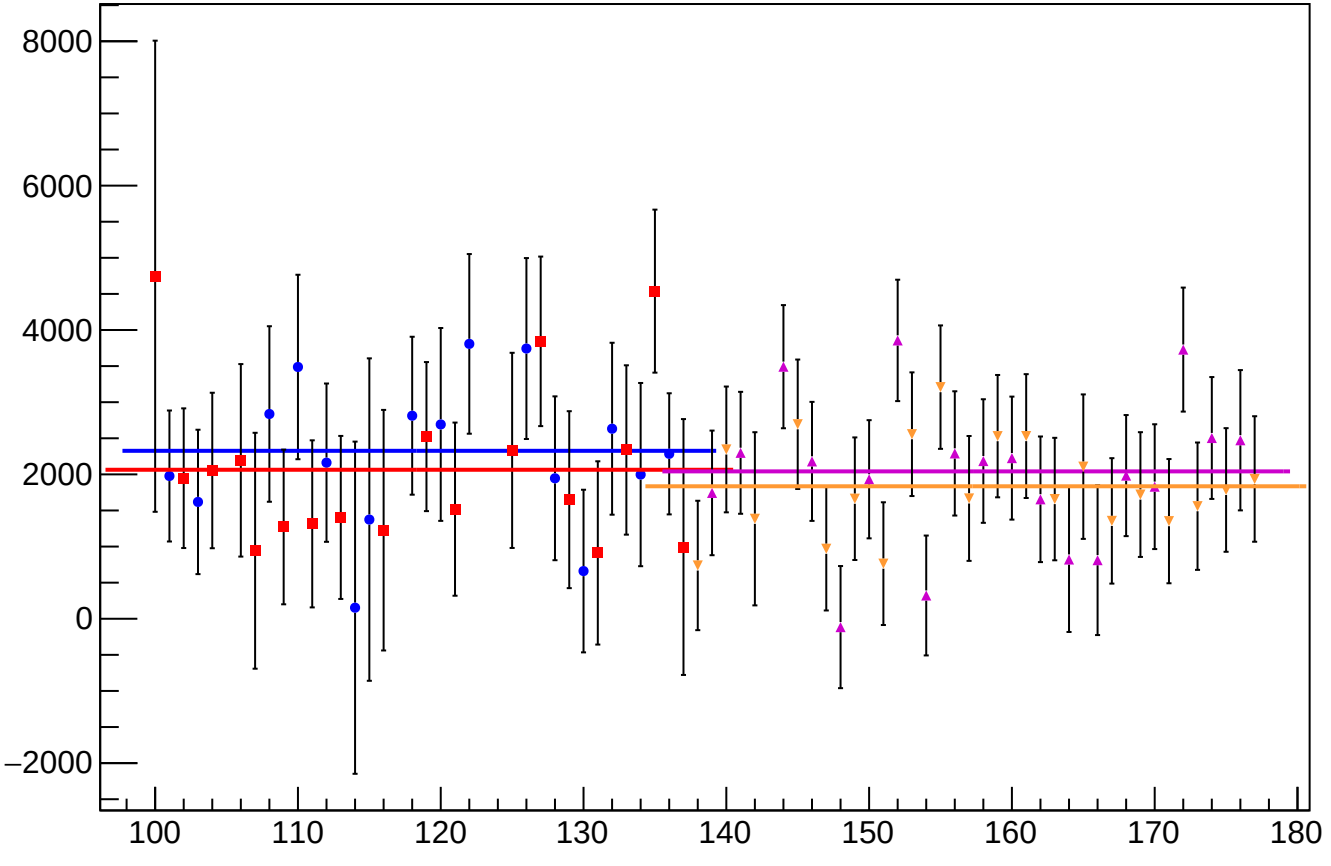
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

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

Out: 1312.879+/-0.197 χ^2/NDF:1500669.6/37

All: 1295.829+/-0.138 χ^2/NDF: 3438954.5/72

dit_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1835.121+/-196.738 χ^2/NDF:11.1/19

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

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

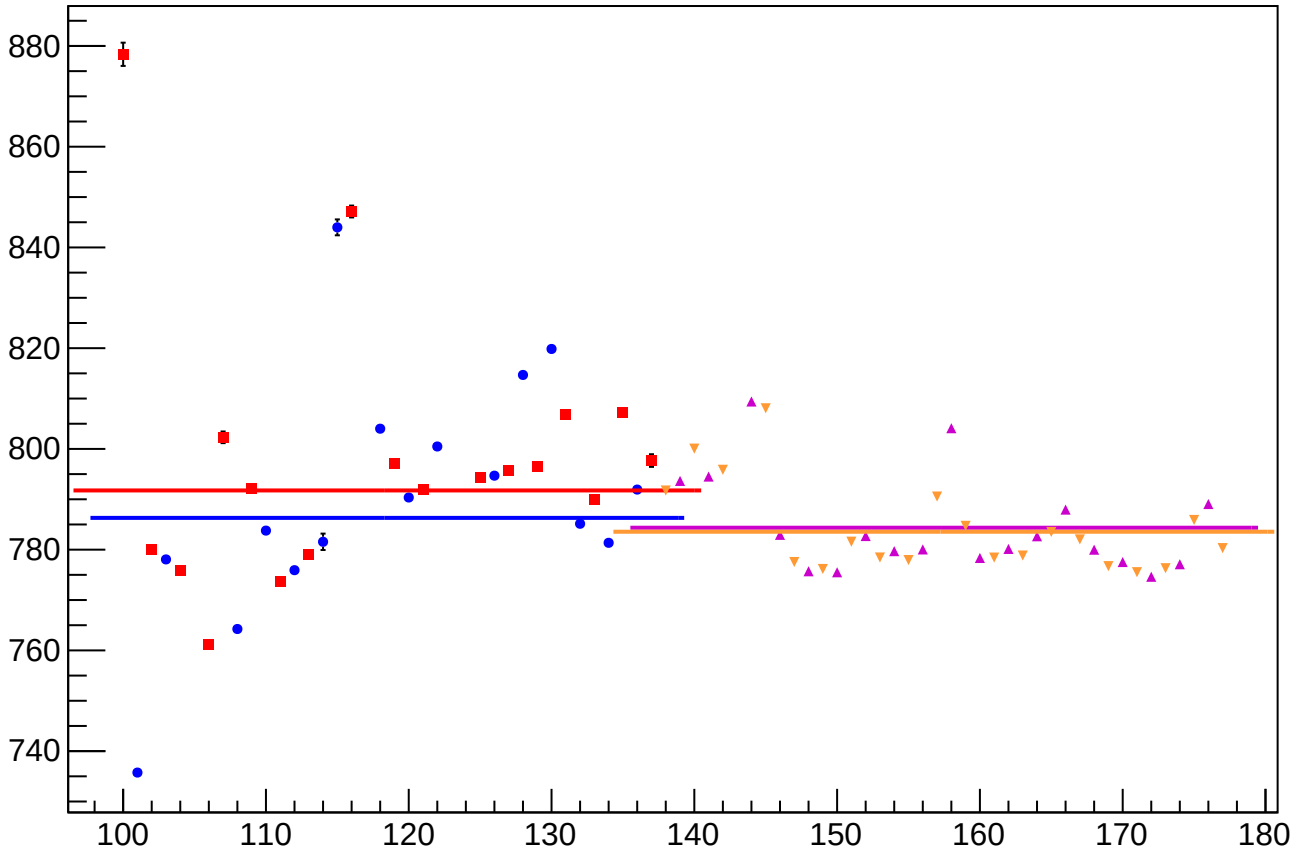
Left: 1937.157+/-139.901 χ^2/NDF: 37.9/38

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

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

Out: 1906.645+/-163.123 χ^2/NDF:23.1/37

All: 2018.302+/-115.816 χ^2/NDF: 59.1/72



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

Left Out: 783.559+/-0.139 χ^2/NDF:3759.2/19

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

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

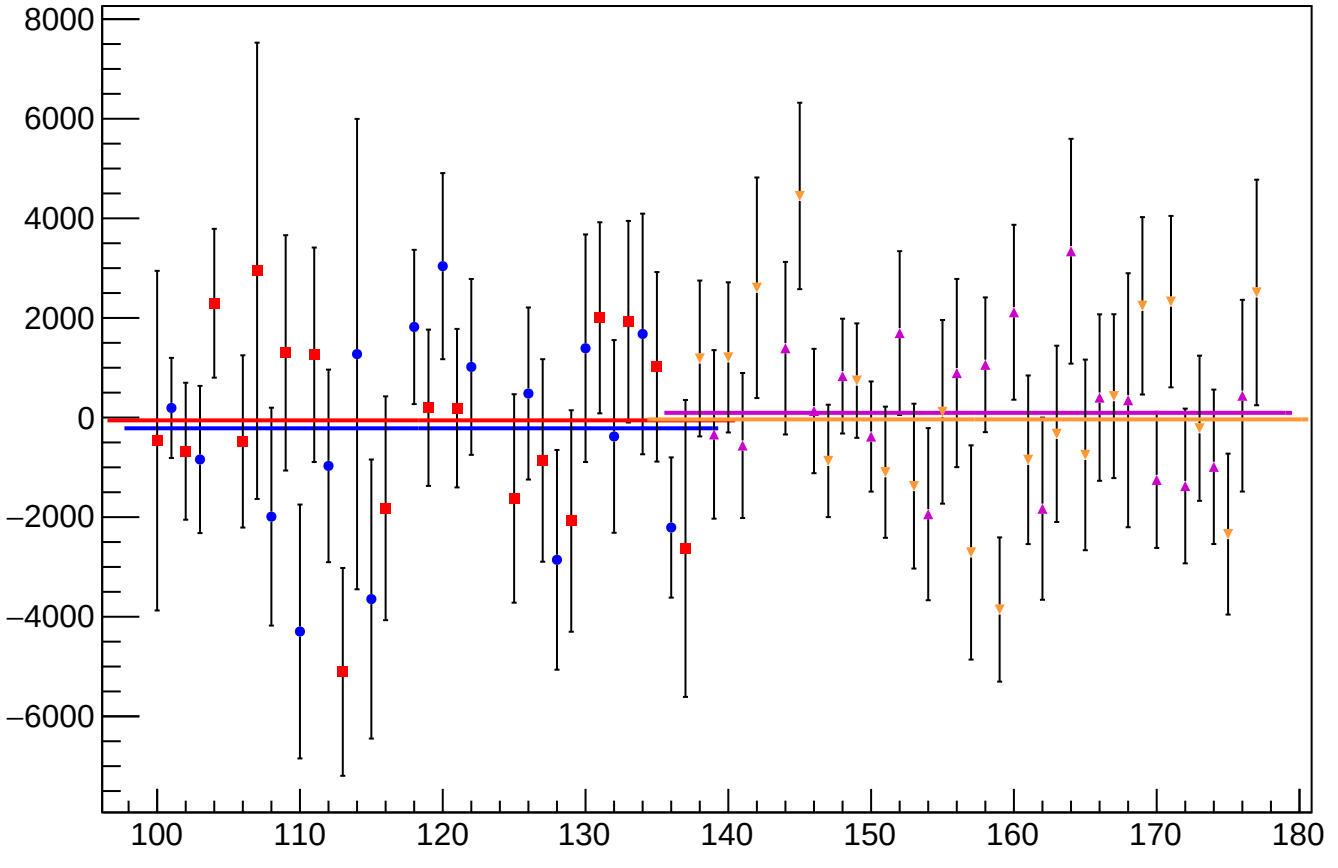
Left: 783.953+/-0.099 χ^2/NDF: 8462.2/38

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

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

Out: 786.121+/-0.115 χ^2/NDF:11859.5/37

All: 785.553+/-0.082 χ^2/NDF: 29227.3/72



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

Left Out: -37.358+/-357.573 χ^2/NDF:26.6/19

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

Left In: 94.555+/-356.608 χ^2/NDF:11.4/18

Left: 28.777+/-252.500 χ^2/NDF: 38.0/38

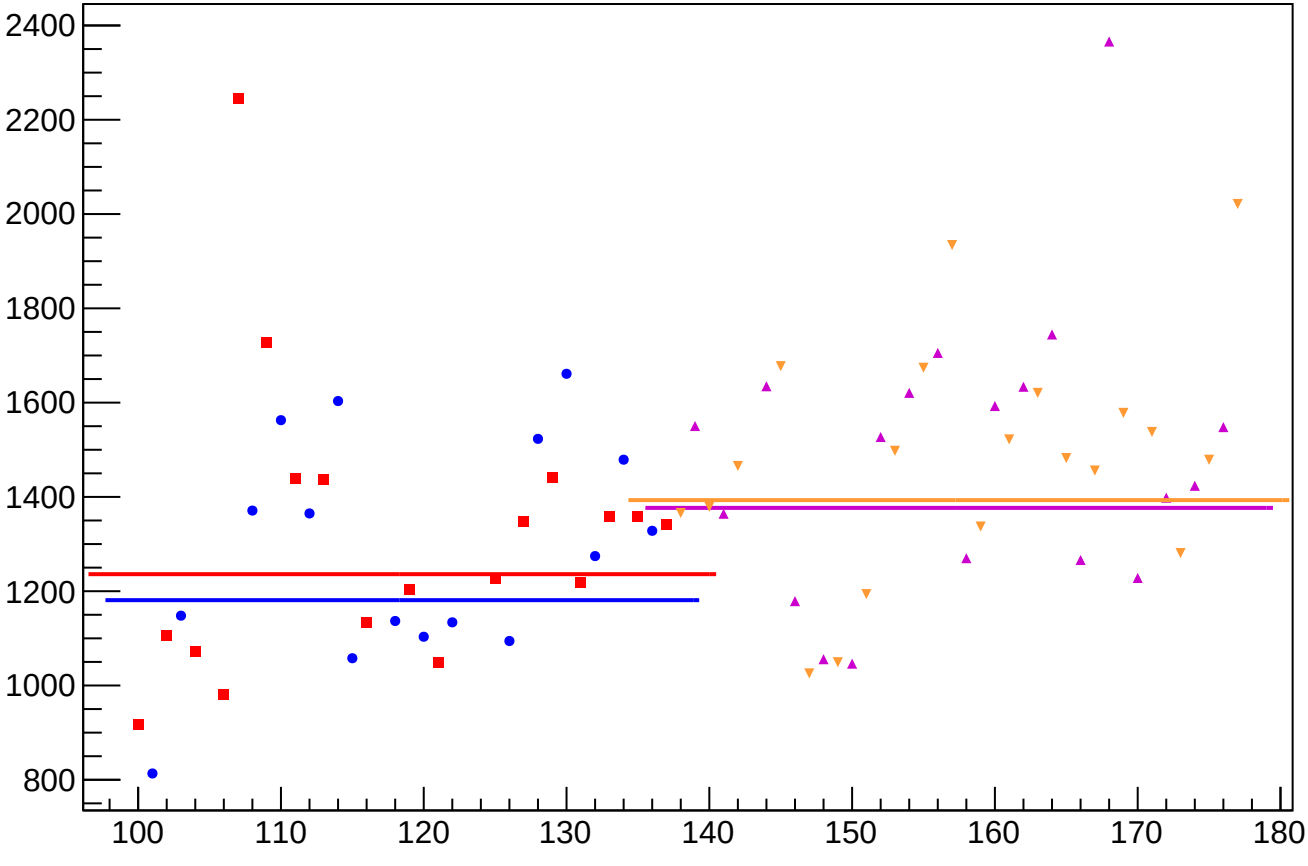
Right: -139.003+/-322.855 χ^2/NDF: 30.5/33

In: -25.463+/-279.378 χ^2/NDF:26.9/34

Out: -44.597+/-283.224 χ^2/NDF:41.7/37

All: -34.899+/-198.896 χ^2/NDF: 68.7/72

asym_us_avg_dit_correction_rms vs Slug, Sign Corrected



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

Left Out: 1393.184+/-0.253 χ^2/NDF:928942.9/19

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

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

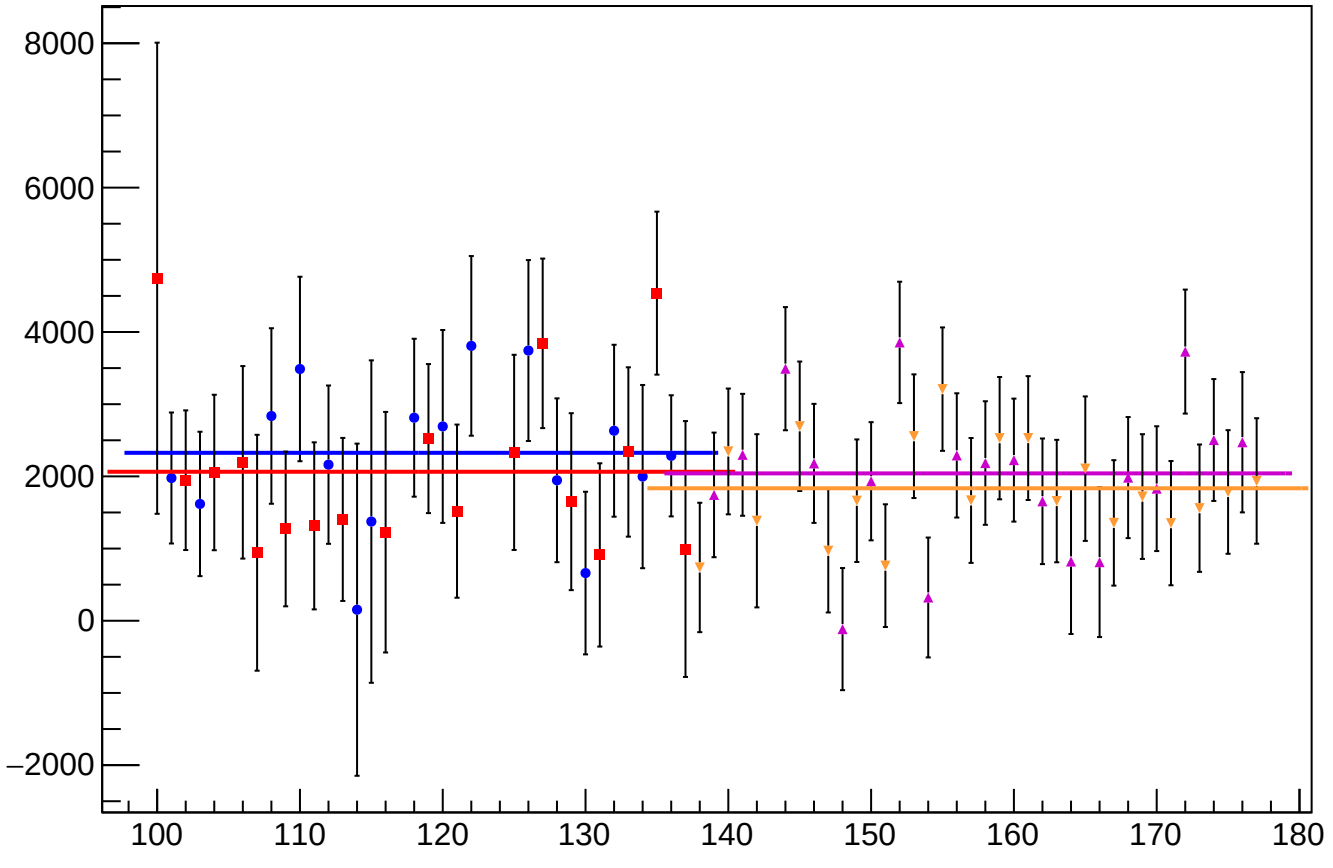
Left: 1384.943+/-0.179 χ^2/NDF: 1984222.8/38

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

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

Out: 1334.664+/-0.200 χ^2/NDF:1469945.1/37

All: 1317.674+/-0.141 χ^2/NDF: 3341172.0/72



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

Left Out: 1835.119+/-196.738 χ^2/NDF:11.1/19

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

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

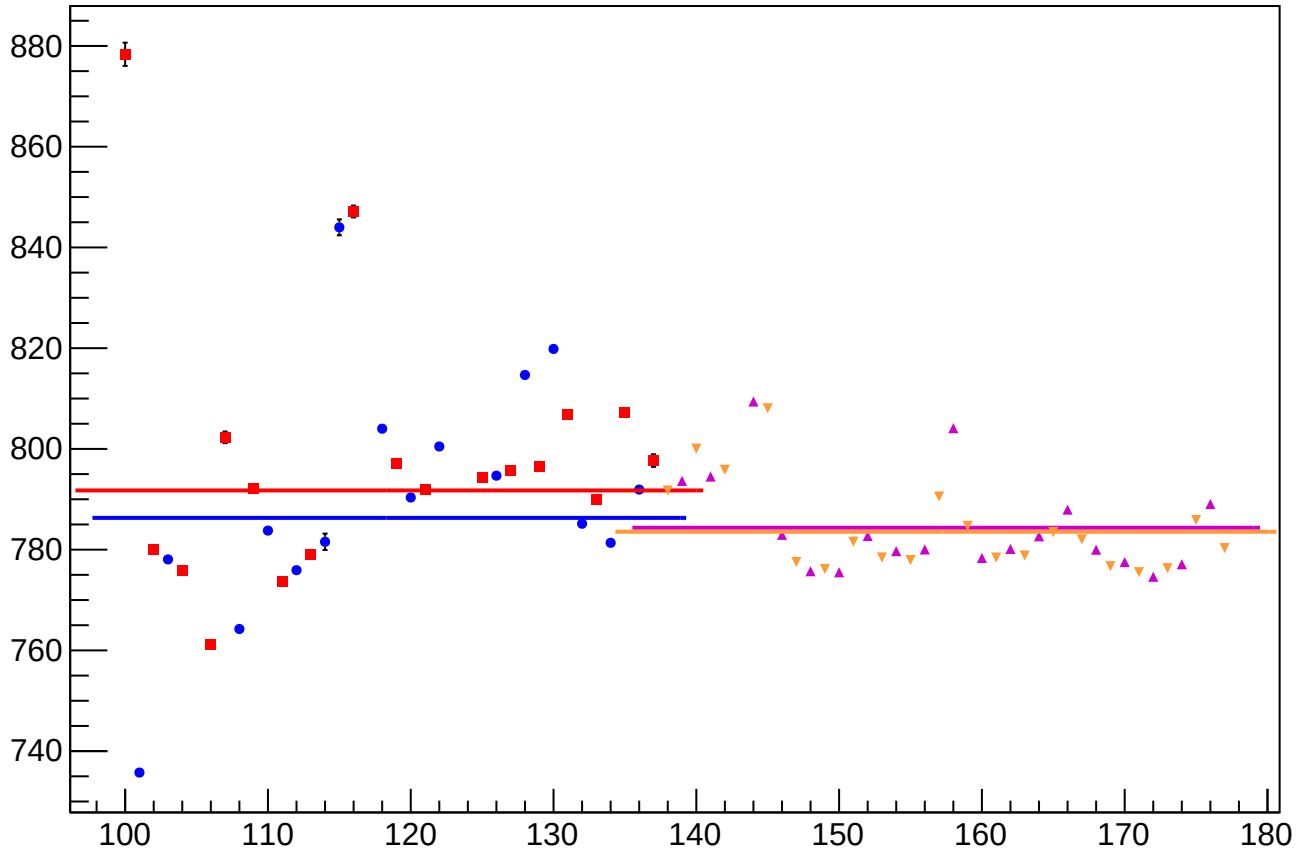
Left: 1937.156+/-139.901 χ^2/NDF: 37.9/38

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

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

Out: 1906.643+/-163.123 χ^2/NDF:23.1/37

All: 2018.301+/-115.816 χ^2/NDF: 59.1/72



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

Left Out: 783.559+/-0.139 χ^2/NDF:3759.1/19

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

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

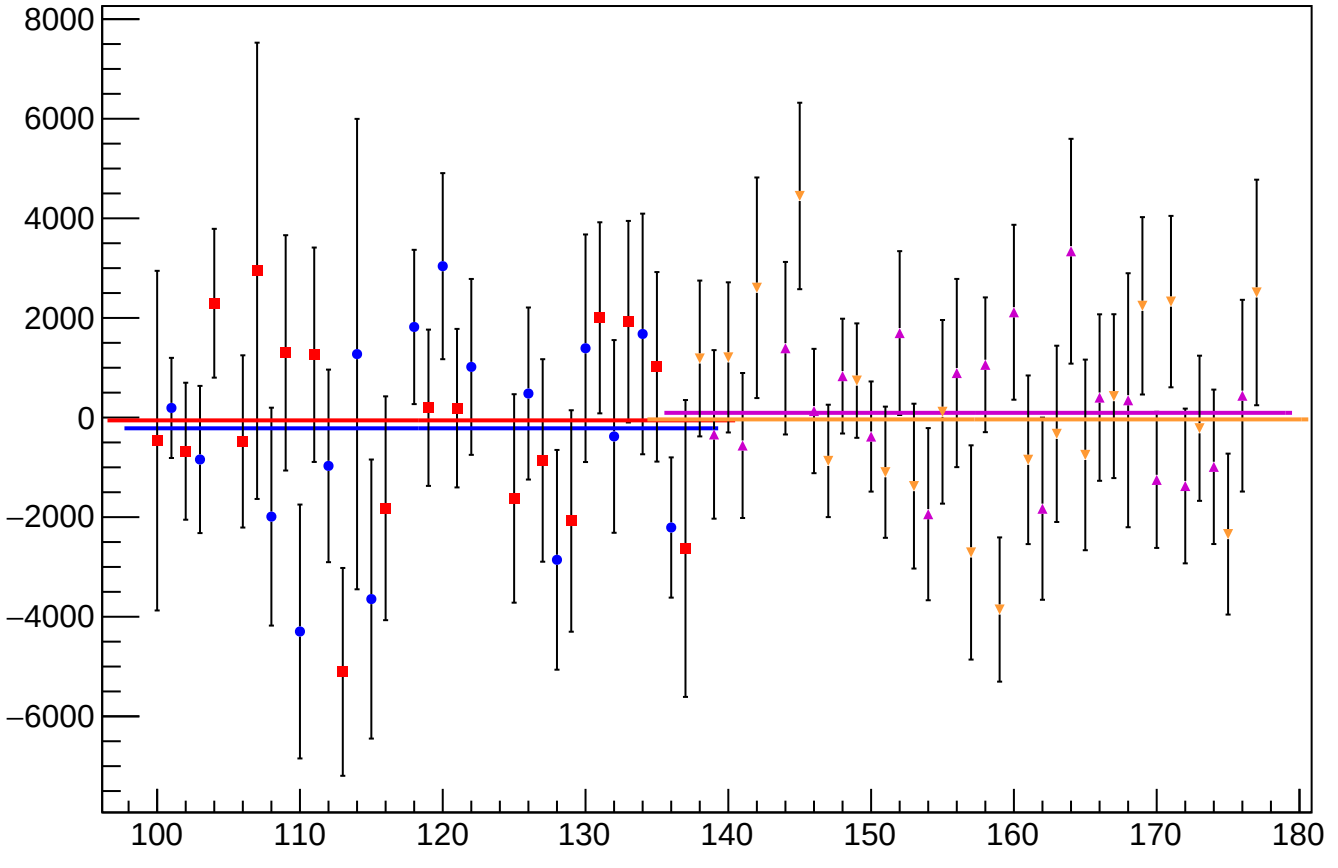
Left: 783.953+/-0.099 χ^2/NDF: 8462.2/38

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

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

Out: 786.121+/-0.115 χ^2/NDF:11859.4/37

All: 785.552+/-0.082 χ^2/NDF: 29227.2/72



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

Left Out: -37.361+/-357.574 χ^2/NDF:26.6/19

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

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

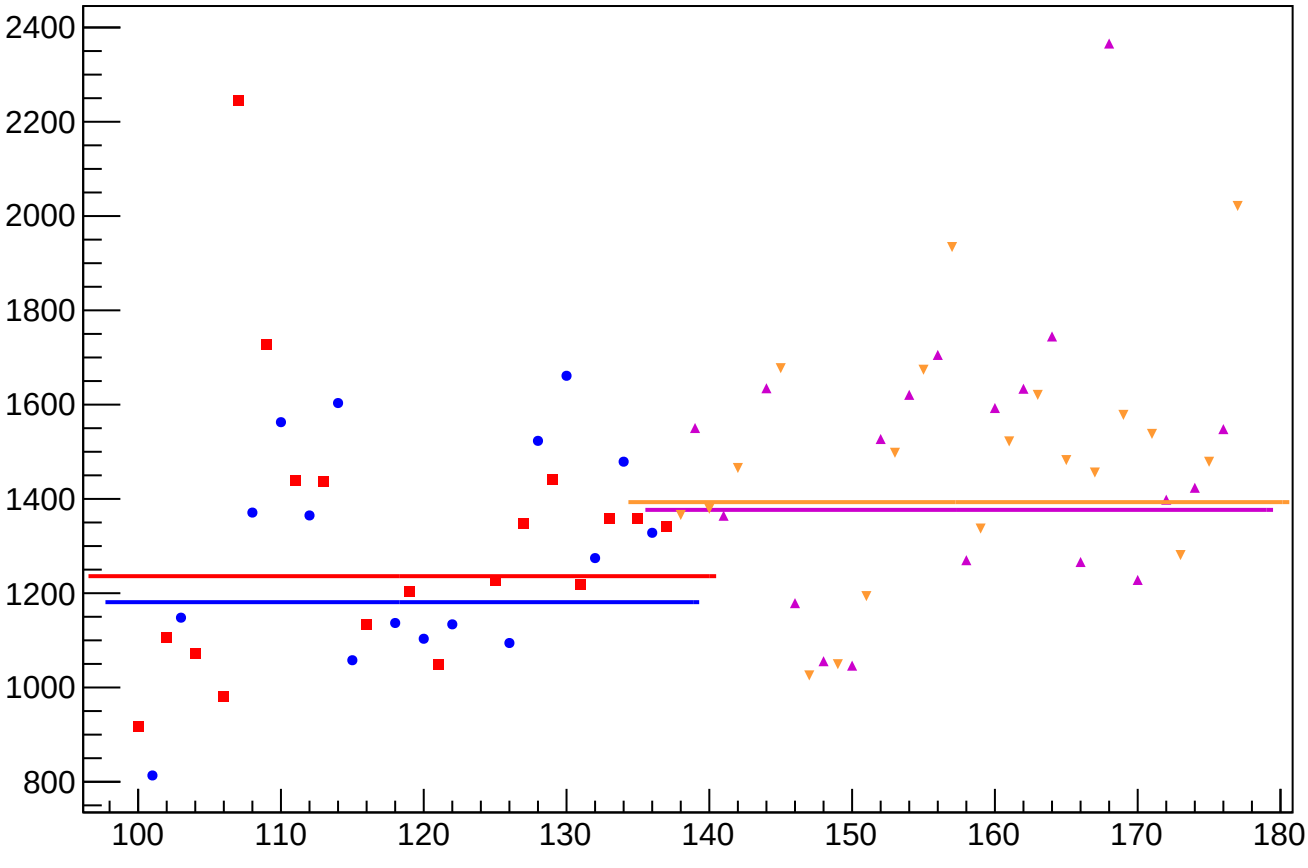
Left: 28.776+/-252.501 χ^2/NDF: 38.0/38

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

In: -25.463+/-279.378 χ^2/NDF:26.9/34

Out: -44.599+/-283.224 χ^2/NDF:41.7/37

All: -34.900+/-198.896 χ^2/NDF: 68.7/72



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

Left Out: 1393.186+/-0.253 χ^2/NDF:928944.2/19

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

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

Left: 1384.946+/-0.179 χ^2/NDF: 1984224.9/38

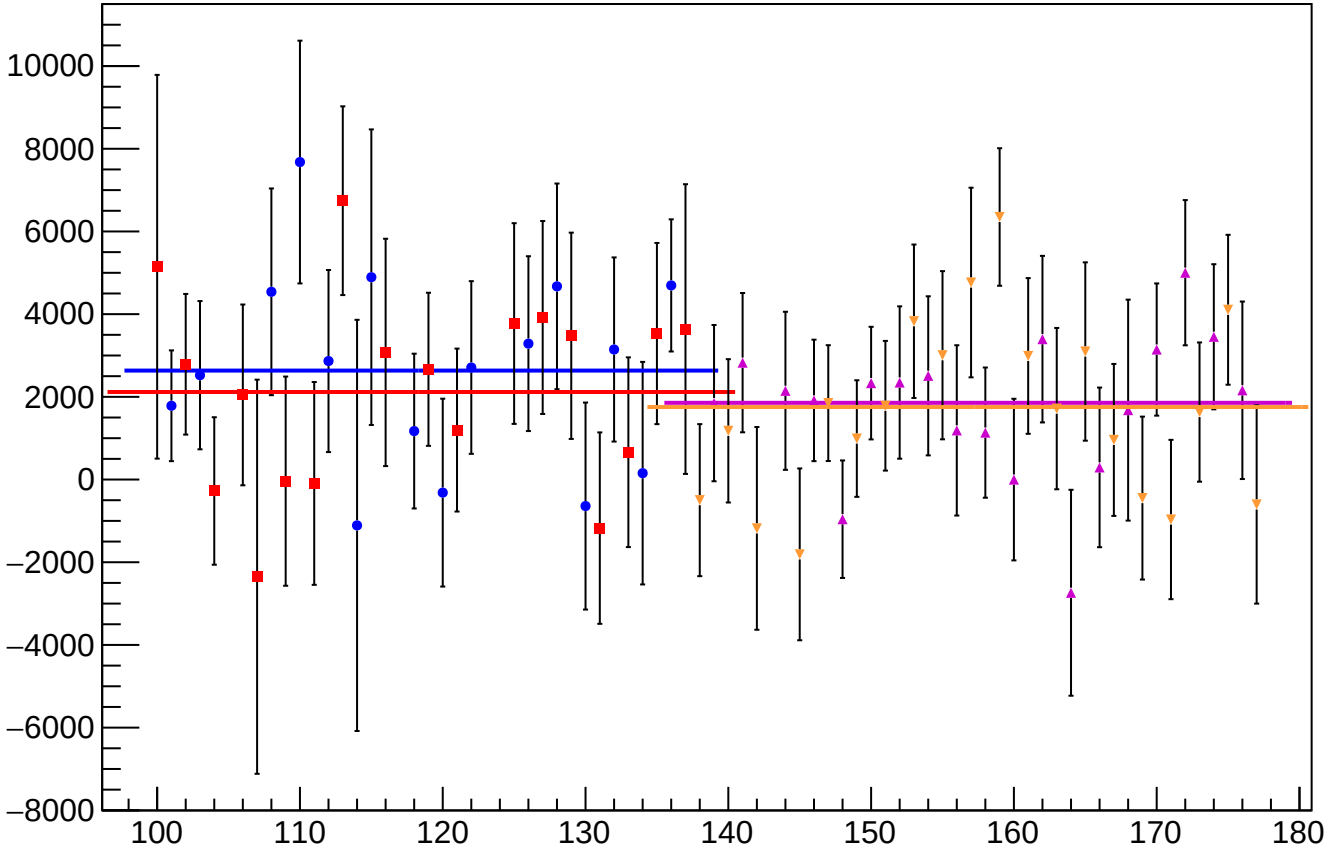
Right: 1207.692+/-0.228 χ^2/NDF: 982914.1/33

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

Out: 1334.664+/-0.200 χ^2/NDF:1469956.1/37

All: 1317.674+/-0.141 χ^2/NDF: 3341195.3/72

asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1753.701+/-410.180 χ^2/NDF:24.2/19

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

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

Left: 1804.696+/-290.042 χ^2/NDF: 39.4/38

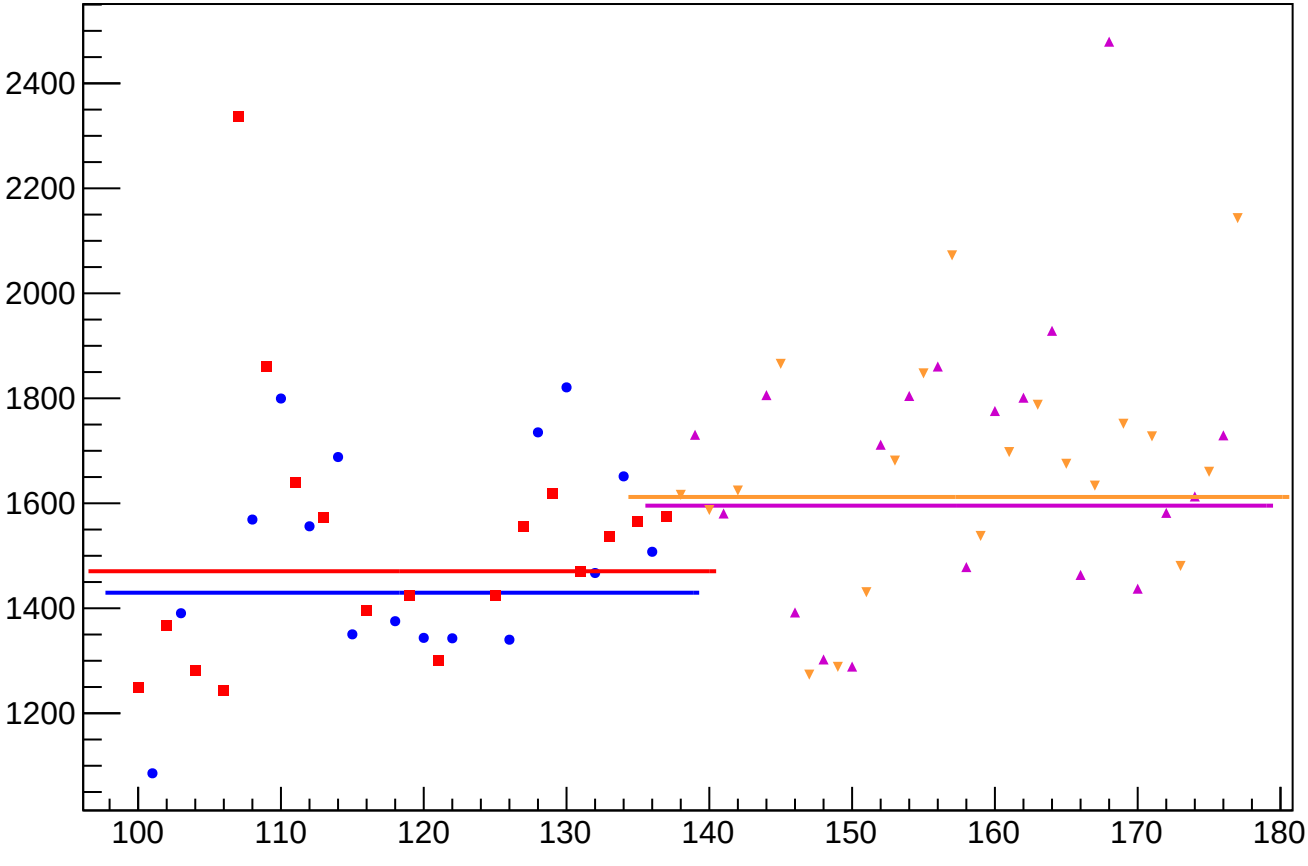
Right: 2380.790+/-383.745 χ^2/NDF: 26.4/33

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

Out: 1884.370+/-328.269 χ^2/NDF:38.2/37

All: 2014.147+/-231.386 χ^2/NDF: 67.2/72

asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 1612.067+/-0.290 χ^2/NDF:544598.9/19

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

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

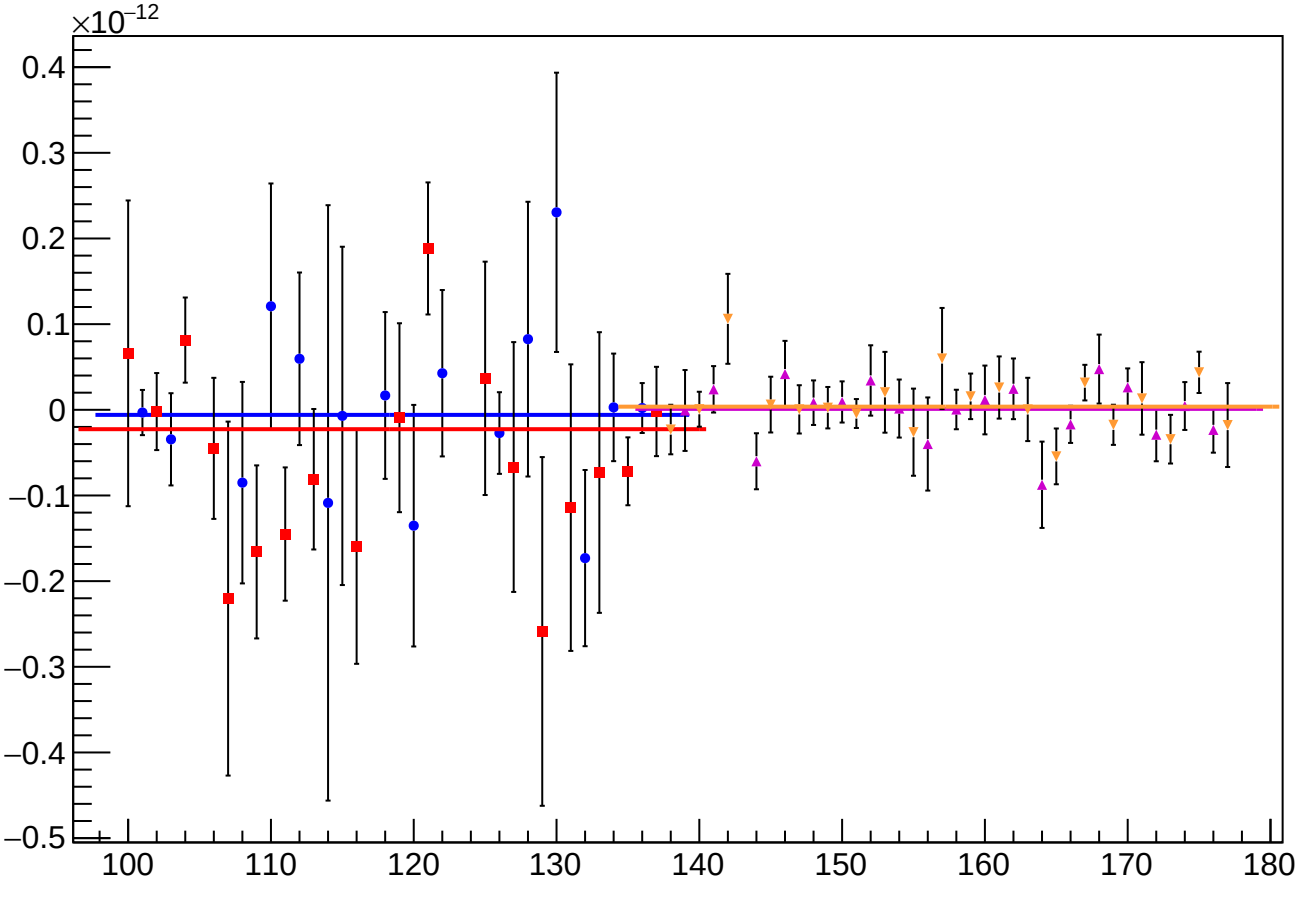
Left: 1603.785+/-0.205 χ^2/NDF: 1210933.1/38

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

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

Out: 1561.195+/-0.232 χ^2/NDF:848236.3/37

All: 1547.783+/-0.164 χ^2/NDF: 1933145.6/72



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

Left Out: 0.000+/-0.000 χ^2/NDF:17.5/19

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

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

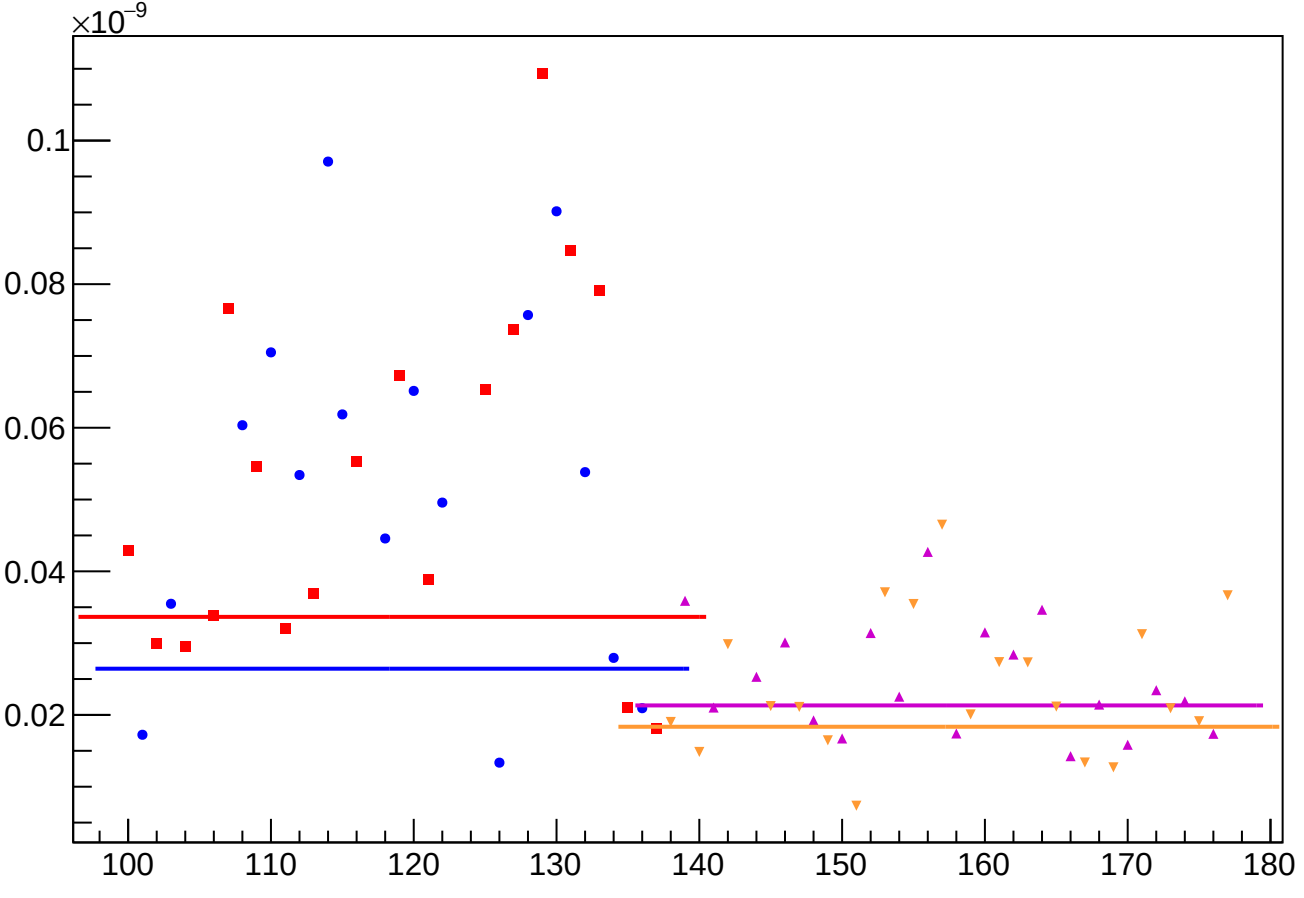
Left: 0.000+/-0.000 χ^2/NDF: 33.0/38

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

In: -0.000+/-0.000 χ^2/NDF:24.2/34

Out: 0.000+/-0.000 χ^2/NDF:42.4/37

All: 0.000+/-0.000 χ^2/NDF: 66.6/72



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

Left Out: 0.000+/-0.000 χ^2/NDF:3026457.3/19

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

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

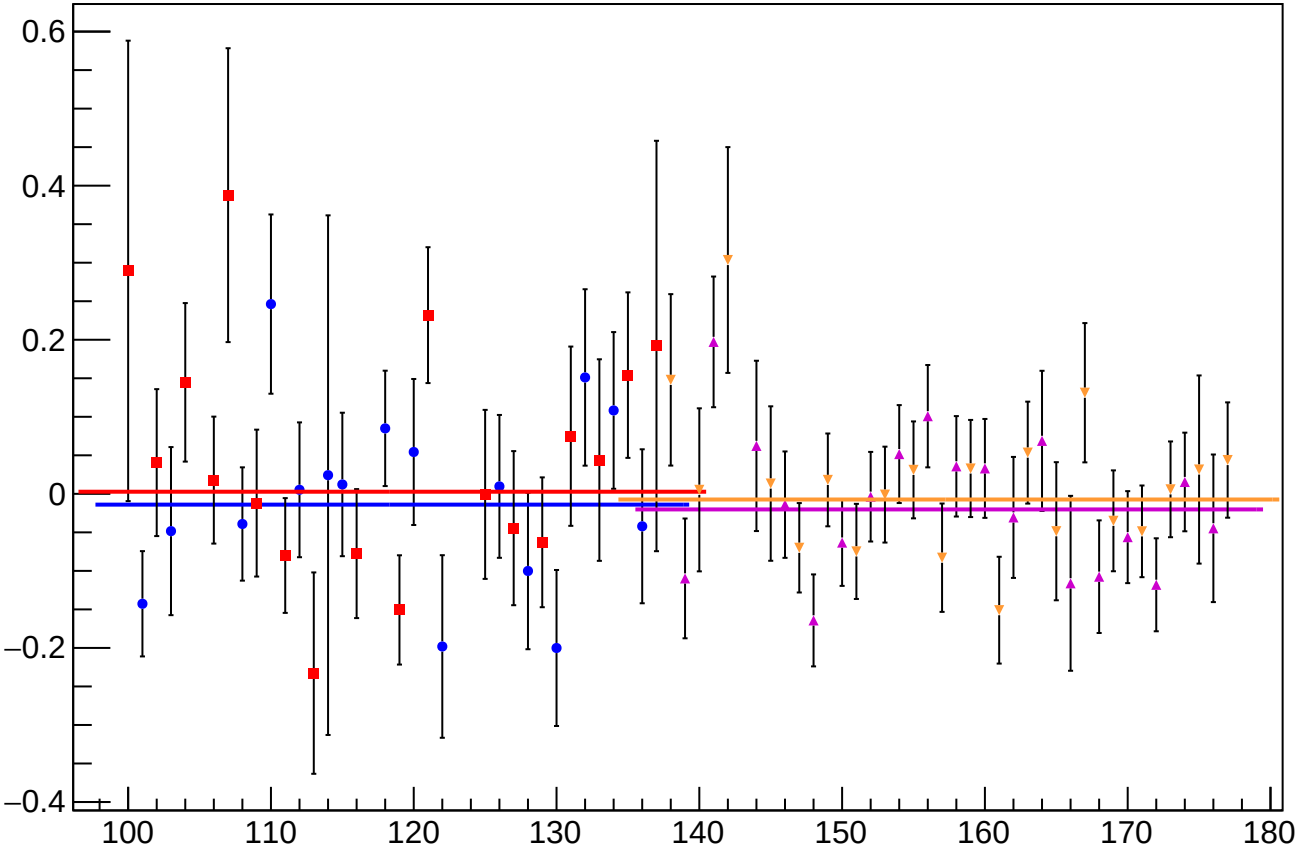
Left: 0.000+/-0.000 χ^2/NDF: 4862255.9/38

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

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

Out: 0.000+/-0.000 χ^2/NDF:5997830.6/37

All: 0.000+/-0.000 χ^2/NDF: 10086047.2/72



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

Left Out: -0.007+/-0.016 χ^2/NDF:20.0/19

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

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

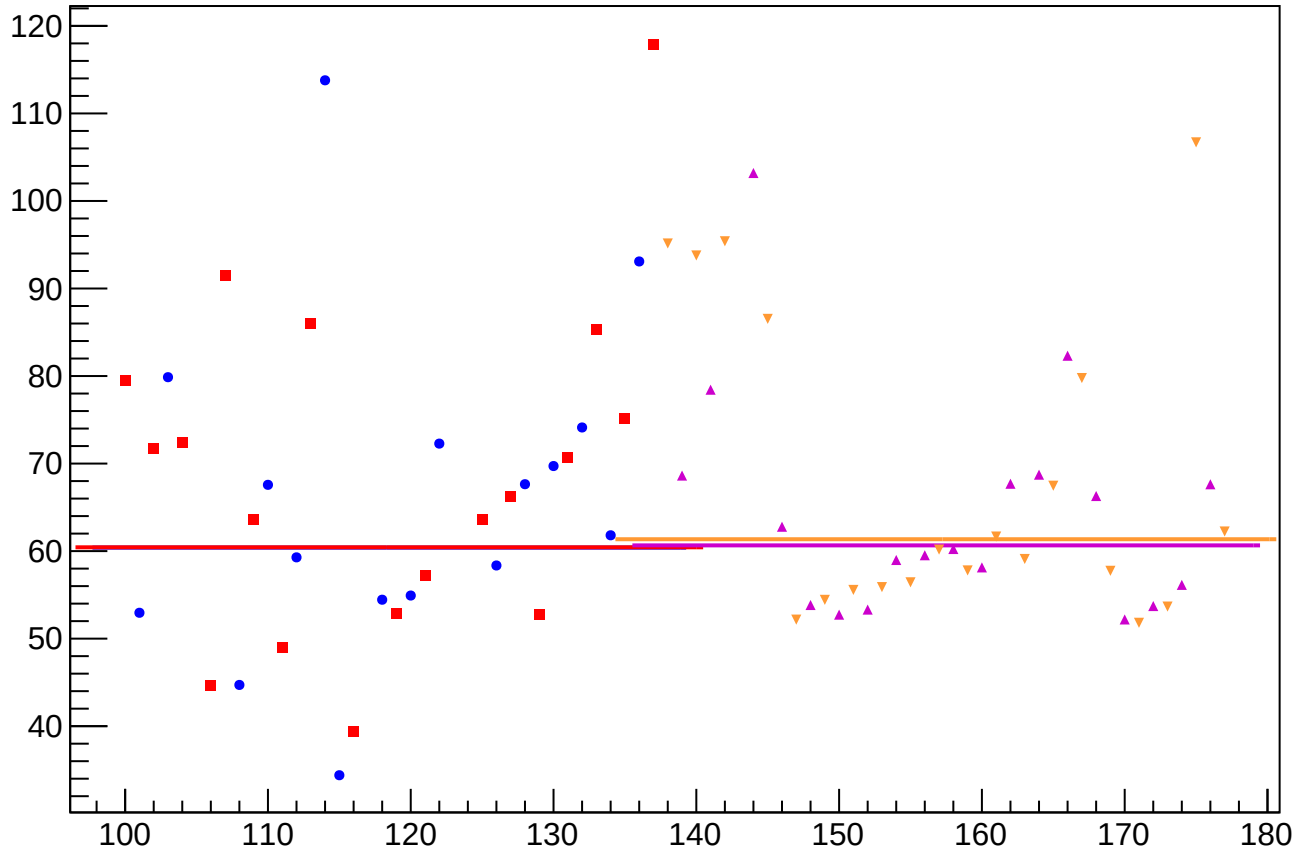
Left: -0.014+/-0.011 χ^2/NDF: 47.7/38

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

In: -0.018+/-0.013 χ^2/NDF:48.9/34

Out: -0.004+/-0.013 χ^2/NDF:47.8/37

All: -0.011+/-0.009 χ^2/NDF: 97.3/72



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

Left Out: 61.356+/-0.011 χ^2/NDF:1193905.8/19

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

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

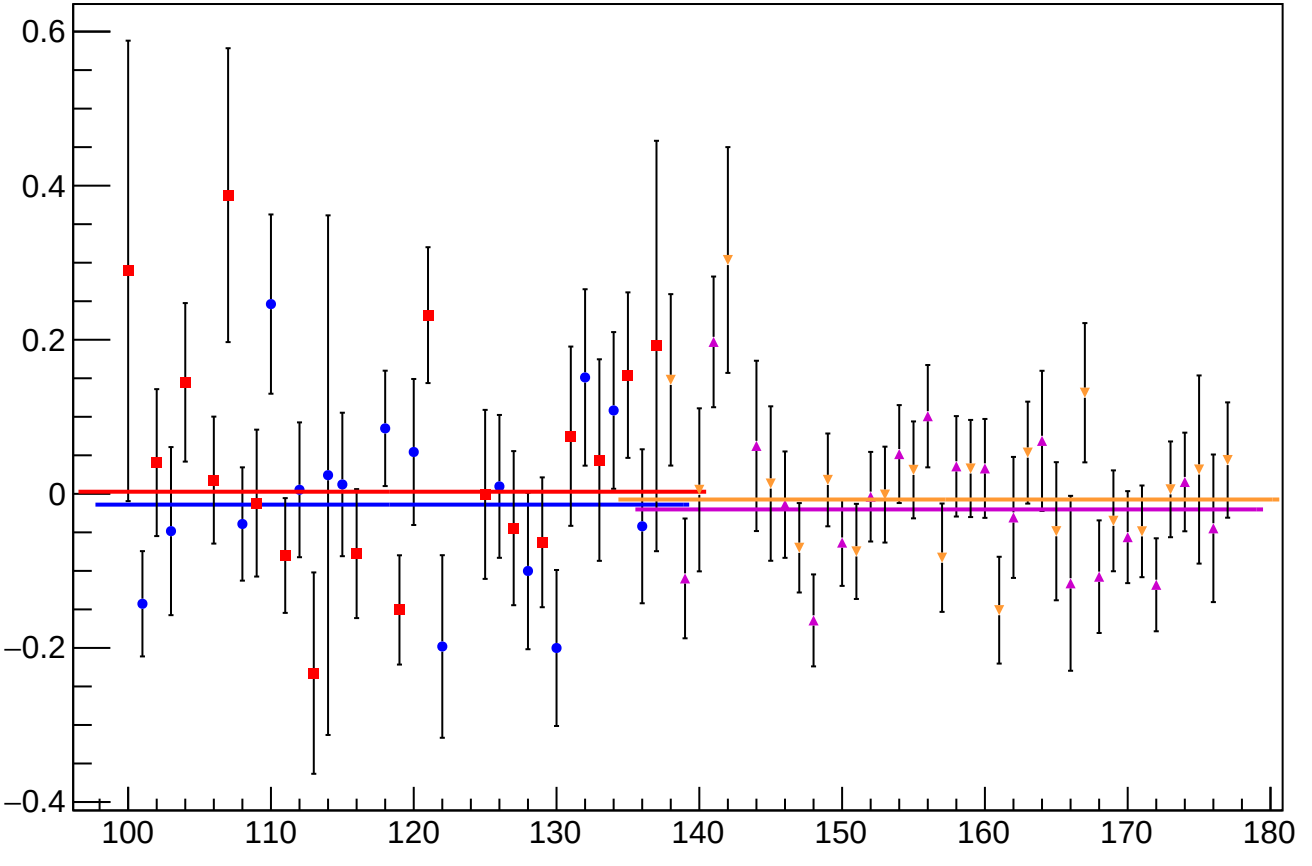
Left: 61.002+/-0.008 χ^2/NDF: 1909275.4/38

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

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

Out: 61.065+/-0.009 χ^2/NDF:1907053.0/37

All: 60.818+/-0.007 χ^2/NDF: 3325183.5/72



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

Left Out: -0.007+/-0.016 χ^2/NDF:20.0/19

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

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

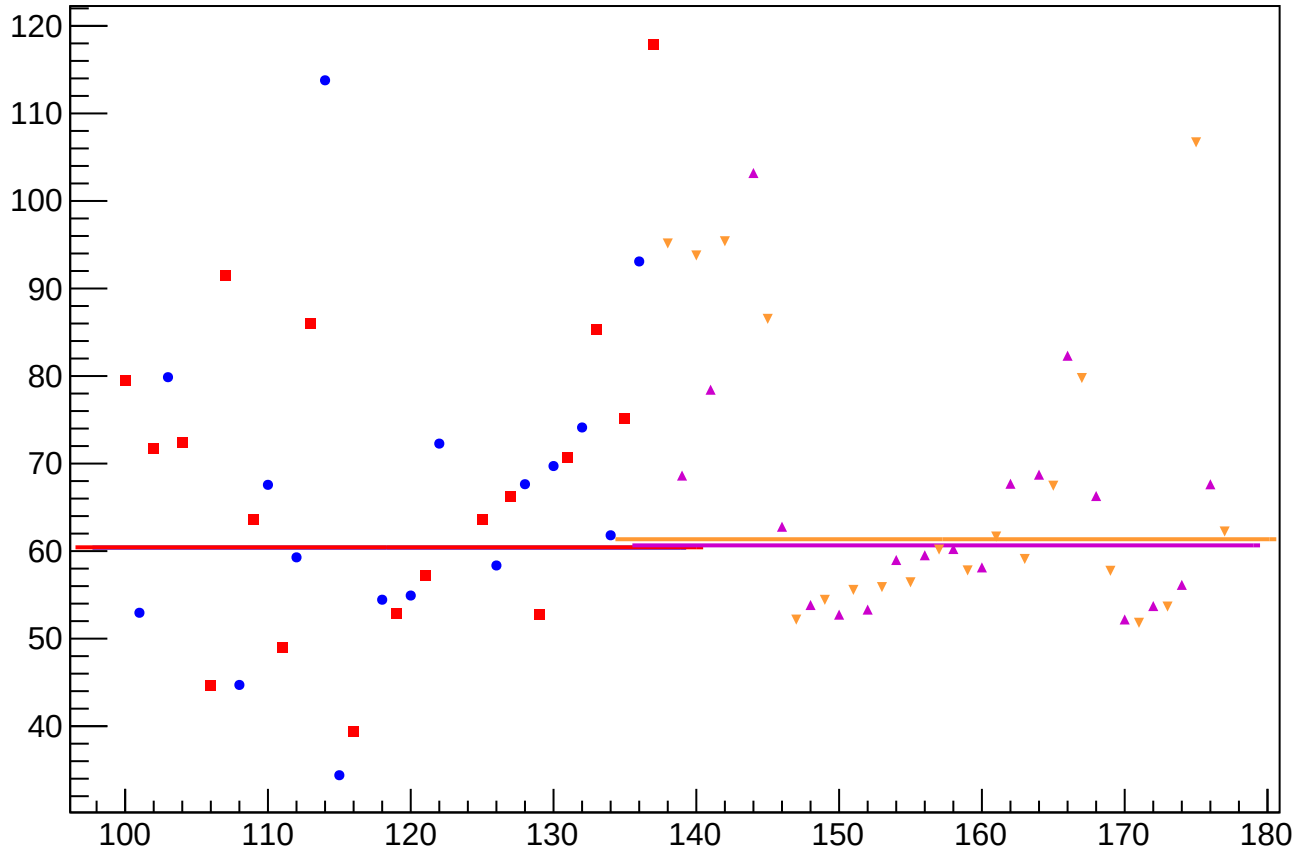
Left: -0.014+/-0.011 χ^2/NDF: 47.7/38

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

In: -0.018+/-0.013 χ^2/NDF:48.9/34

Out: -0.004+/-0.013 χ^2/NDF:47.8/37

All: -0.011+/-0.009 χ^2/NDF: 97.3/72



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

Left Out: 61.356+/-0.011 χ^2/NDF:1193905.8/19

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

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

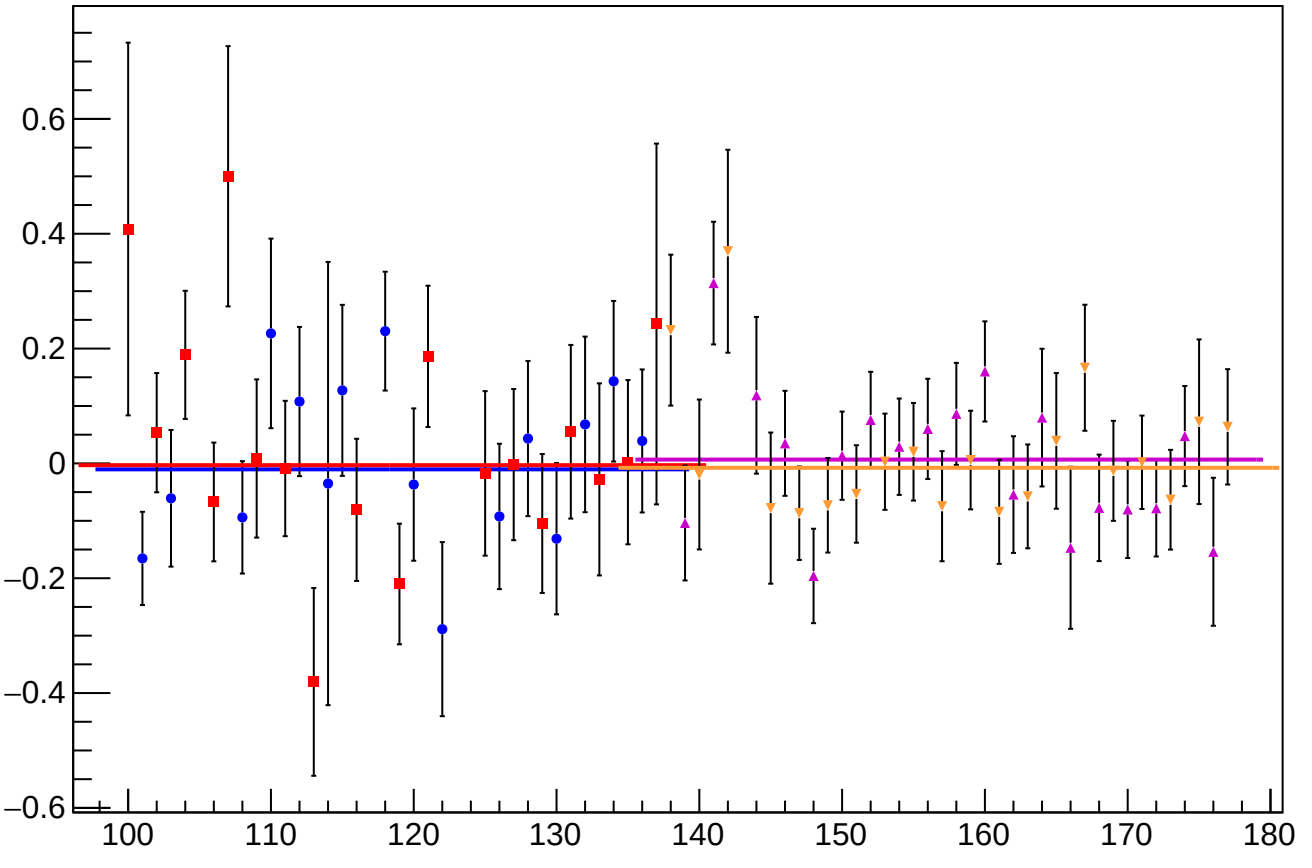
Left: 61.002+/-0.008 χ^2/NDF: 1909275.4/38

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

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

Out: 61.065+/-0.009 χ^2/NDF:1907053.0/37

All: 60.818+/-0.007 χ^2/NDF: 3325183.5/72



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

Left Out: -0.008+/-0.022 χ^2/NDF:15.6/19

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

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

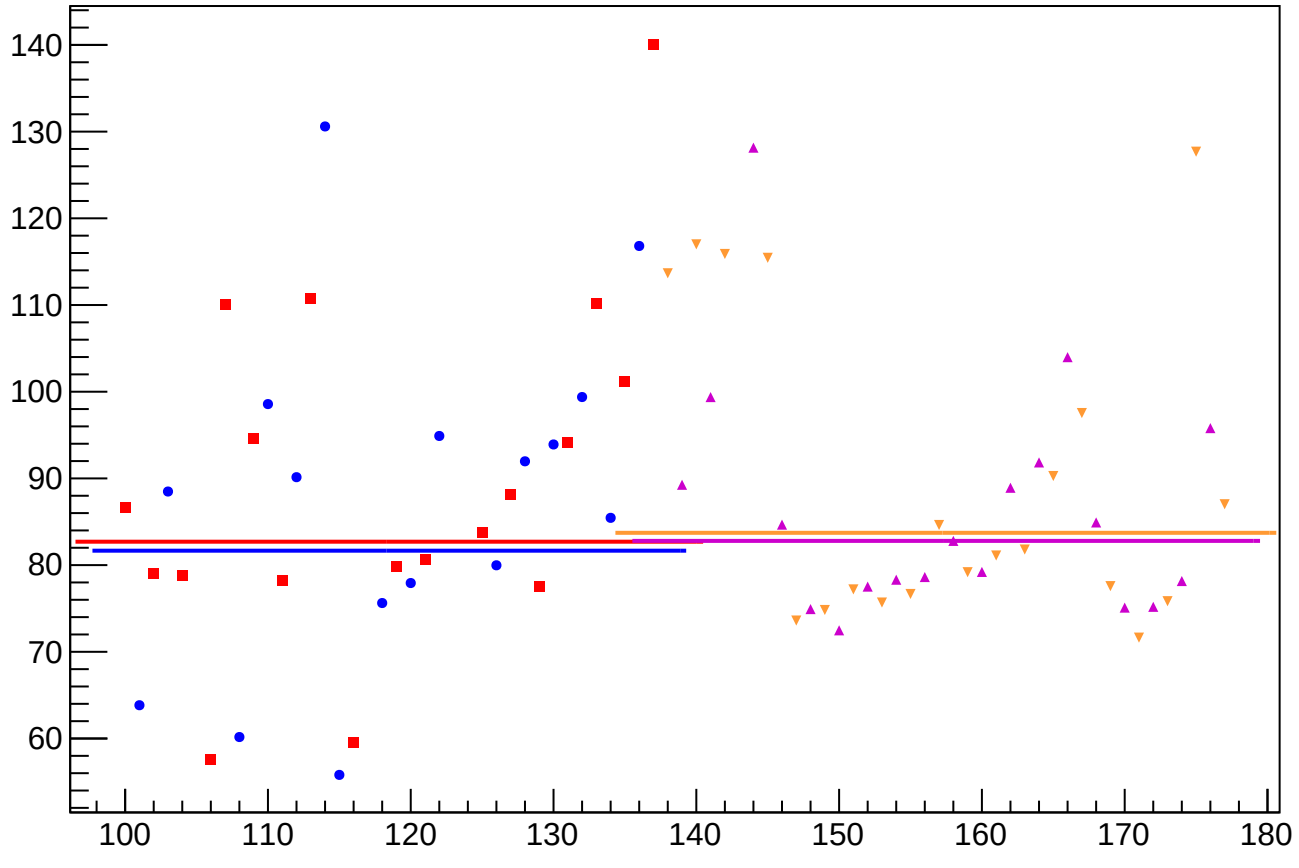
Left: -0.000+/-0.015 χ^2/NDF: 43.8/38

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

In: 0.001+/-0.018 χ^2/NDF:48.3/34

Out: -0.006+/-0.018 χ^2/NDF:39.3/37

All: -0.002+/-0.013 χ^2/NDF: 87.7/72



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

Left Out: 83.726+/-0.015 χ^2/NDF:821362.5/19

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

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

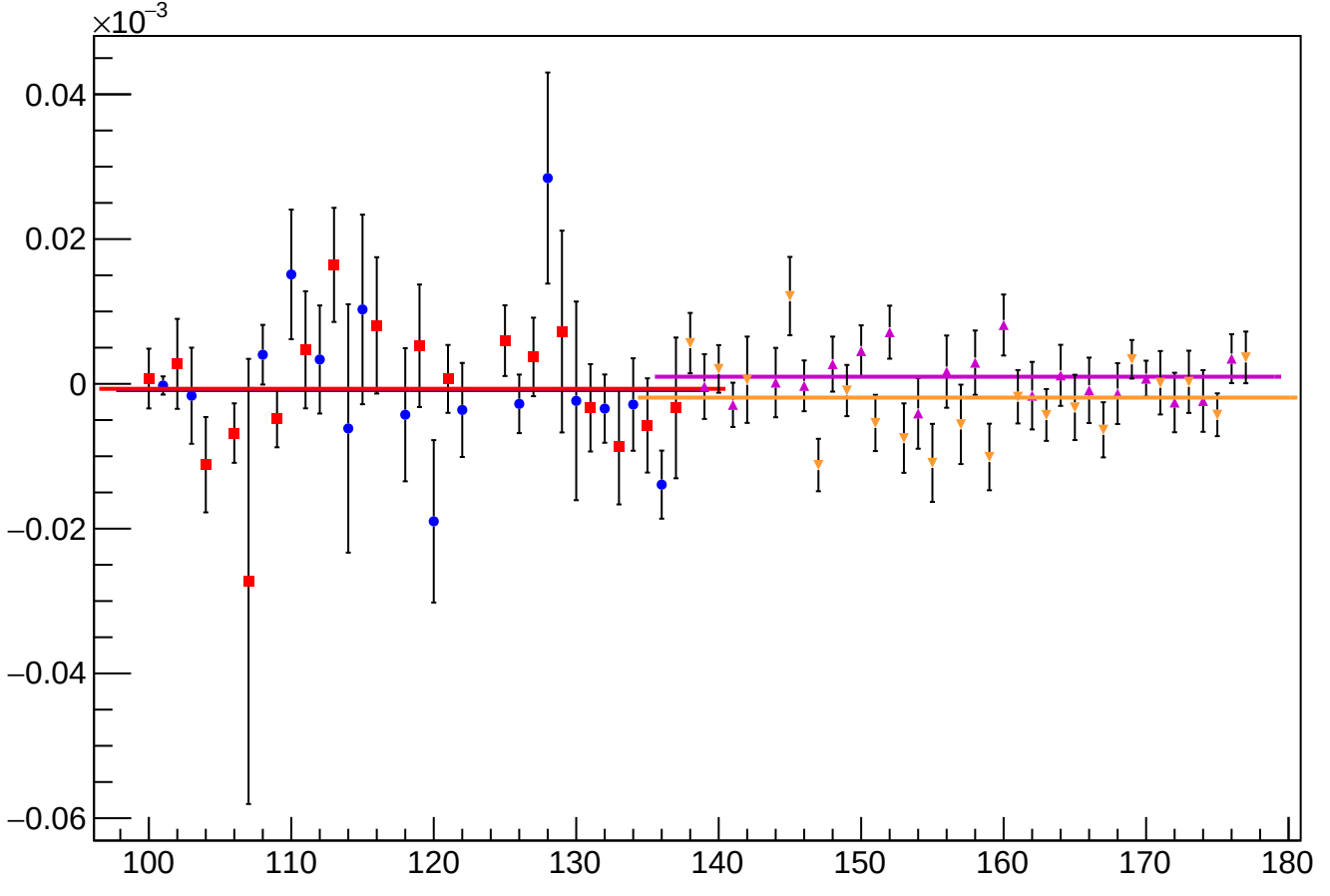
Left: 83.257+/-0.011 χ^2/NDF: 1301218.8/38

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

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

Out: 83.401+/-0.013 χ^2/NDF:1295851.6/37

All: 82.915+/-0.009 χ^2/NDF: 2340361.7/72



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

Left Out: -0.000+/-0.000 χ^2/NDF:36.3/19

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

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

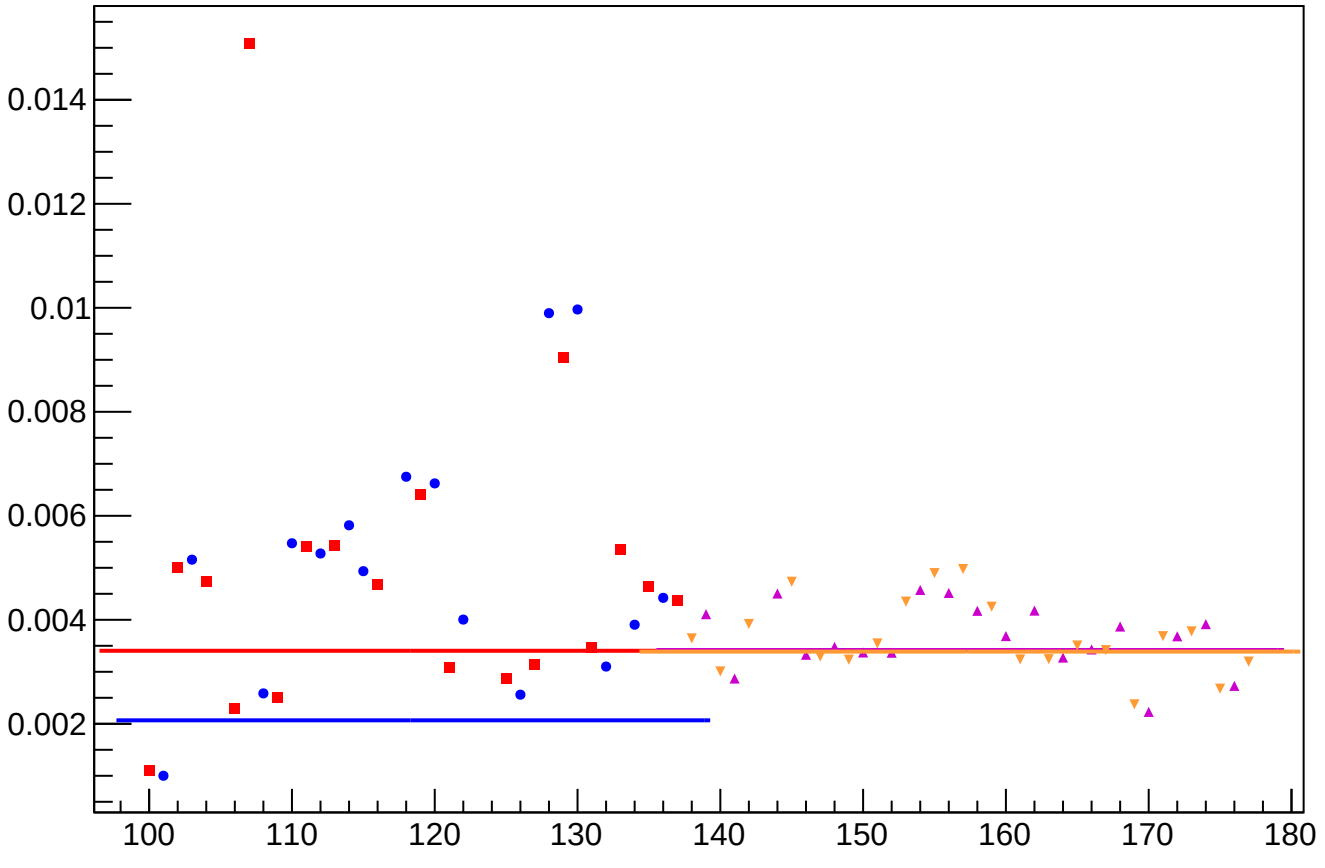
Left: -0.000+/-0.000 χ^2/NDF: 54.4/38

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

In: 0.000+/-0.000 χ^2/NDF:36.0/34

Out: -0.000+/-0.000 χ^2/NDF:55.1/37

All: -0.000+/-0.000 χ^2/NDF: 94.1/72



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

Left Out: 0.003+/-0.000 χ^2/NDF:1103010.3/19

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

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

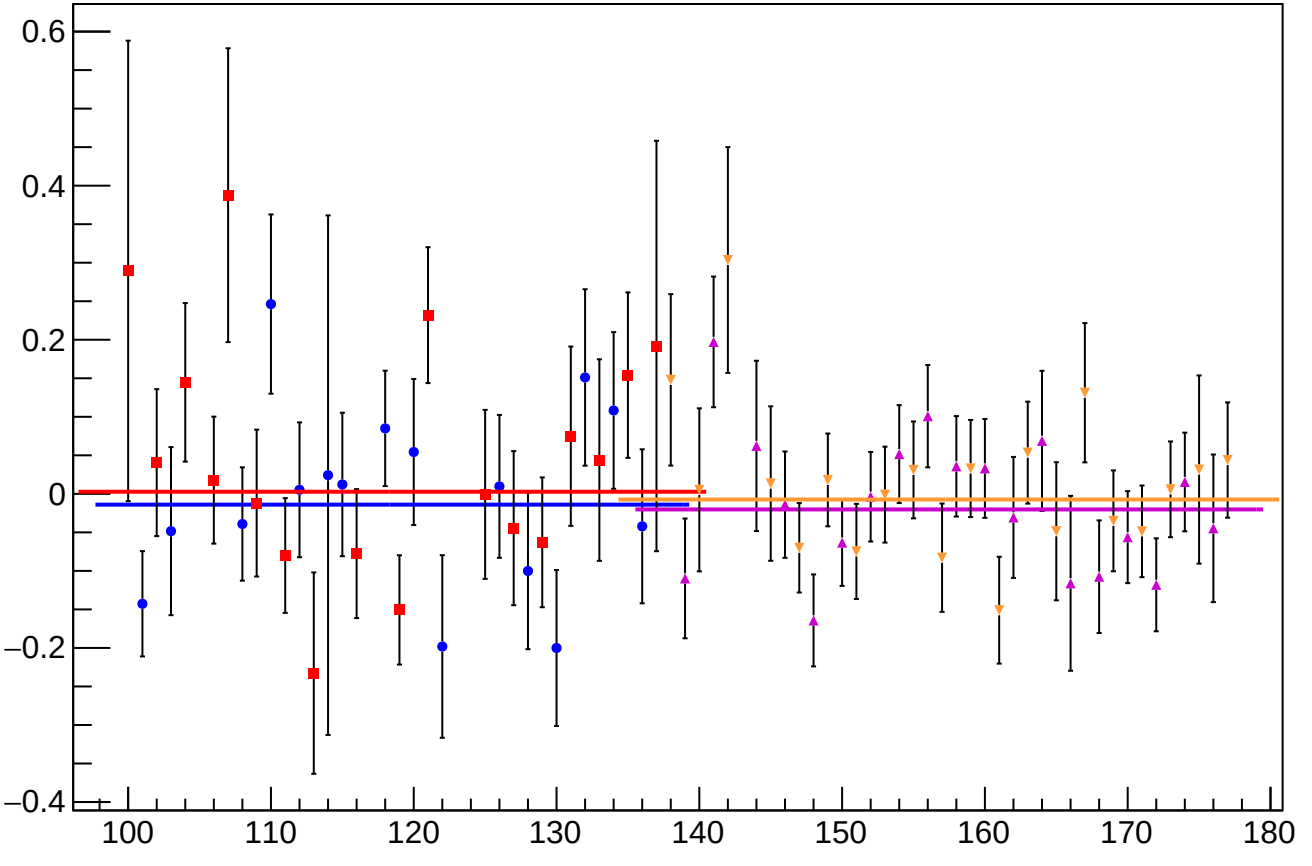
Left: 0.003+/-0.000 χ^2/NDF: 2253238.1/38

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

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

Out: 0.003+/-0.000 χ^2/NDF:3594490.5/37

All: 0.003+/-0.000 χ^2/NDF: 13219486.7/72



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

Left Out: -0.007+/-0.016 χ^2/NDF:20.0/19

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

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

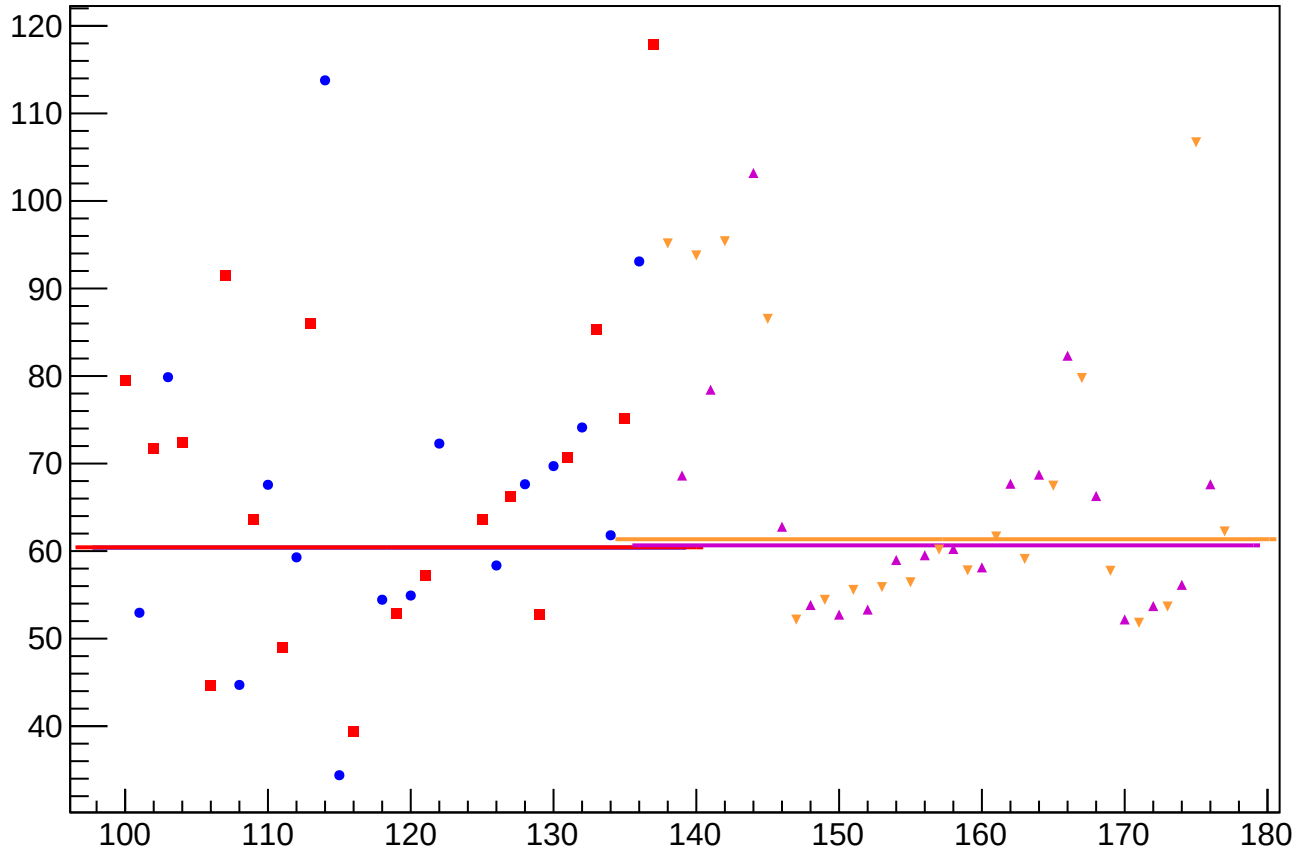
Left: -0.014+/-0.011 χ^2/NDF: 47.7/38

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

In: -0.018+/-0.013 χ^2/NDF:48.9/34

Out: -0.004+/-0.013 χ^2/NDF:47.8/37

All: -0.011+/-0.009 χ^2/NDF: 97.3/72



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

Left Out: 61.357+/-0.011 χ^2/NDF:1193895.5/19

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

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

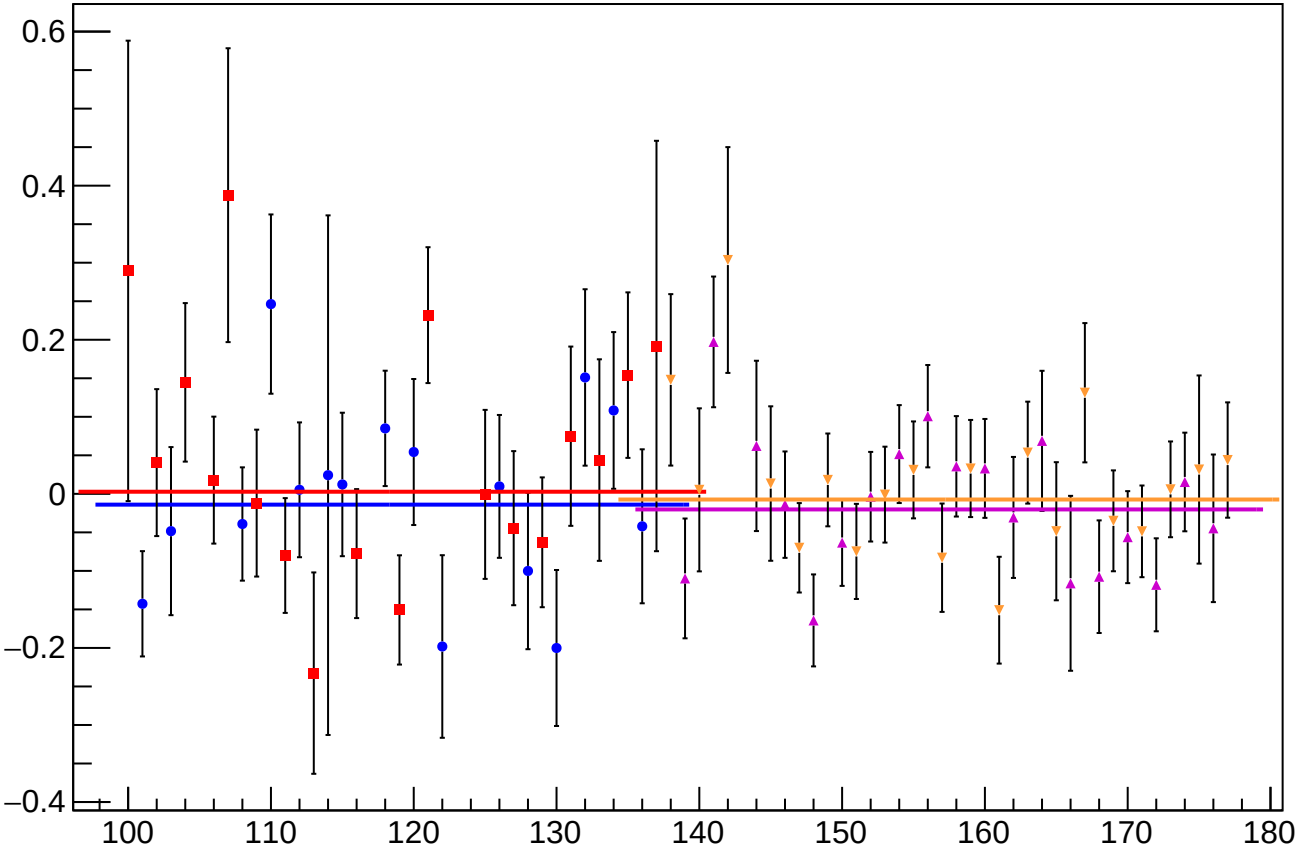
Left: 61.002+/-0.008 χ^2/NDF: 1909252.8/38

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

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

Out: 61.064+/-0.009 χ^2/NDF:1907081.0/37

All: 60.818+/-0.007 χ^2/NDF: 3325212.8/72



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

Left Out: -0.007+/-0.016 χ^2/NDF:20.0/19

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

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

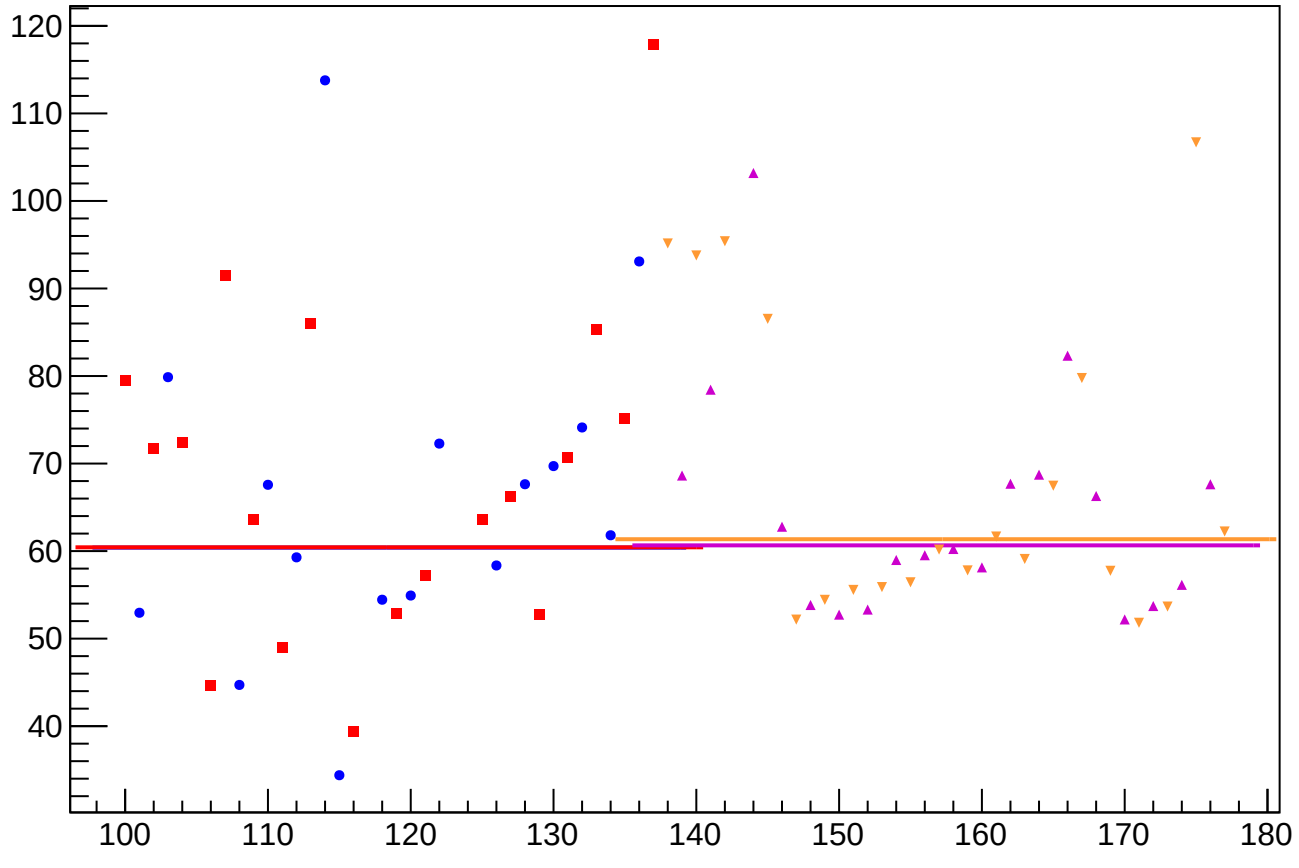
Left: -0.014+/-0.011 χ^2/NDF: 47.7/38

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

In: -0.018+/-0.013 χ^2/NDF:48.9/34

Out: -0.004+/-0.013 χ^2/NDF:47.8/37

All: -0.011+/-0.009 χ^2/NDF: 97.3/72



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

Left Out: 61.357+/-0.011 χ^2/NDF:1193895.5/19

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

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

Left: 61.002+/-0.008 χ^2/NDF: 1909252.8/38

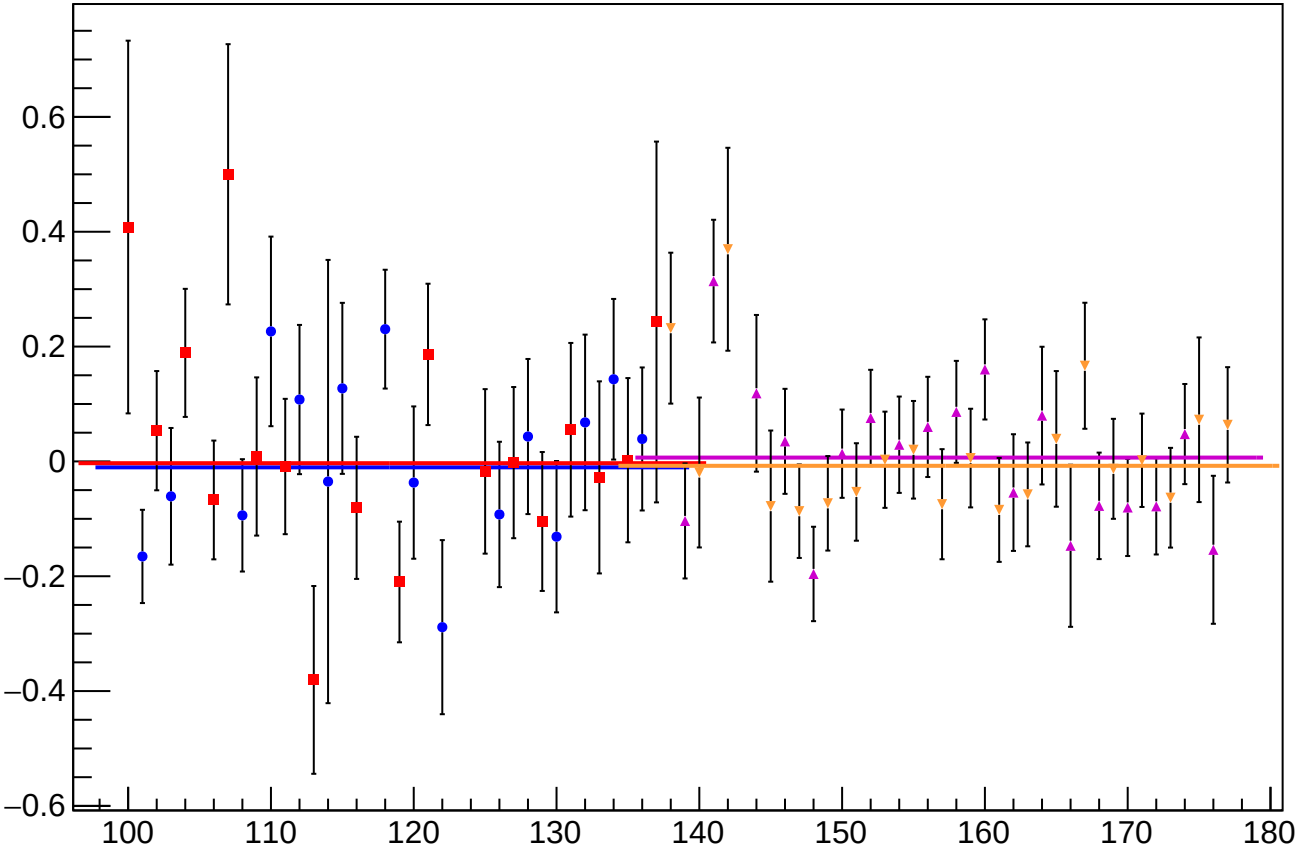
Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

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

Out: 61.064+/-0.009 χ^2/NDF:1907081.0/37

All: 60.818+/-0.007 χ^2/NDF: 3325212.8/72

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.008+/-0.022 χ^2/NDF:15.6/19

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

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

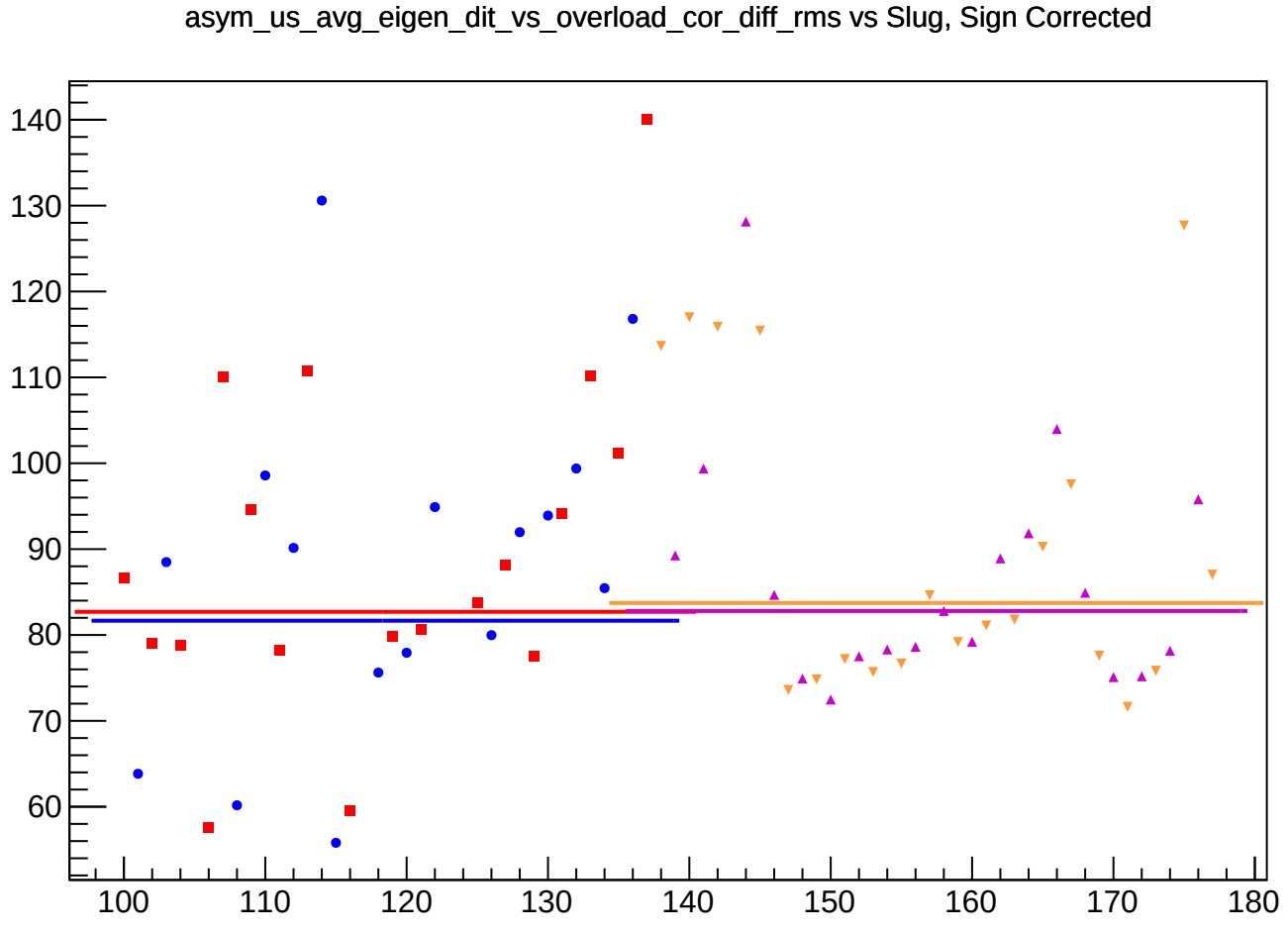
Left: -0.000+/-0.015 χ^2/NDF: 43.8/38

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

In: 0.001+/-0.018 χ^2/NDF:48.3/34

Out: -0.006+/-0.018 χ^2/NDF:39.3/37

All: -0.002+/-0.013 χ^2/NDF: 87.7/72



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

Left Out: 83.727+/-0.015 χ^2/NDF:821357.5/19

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

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

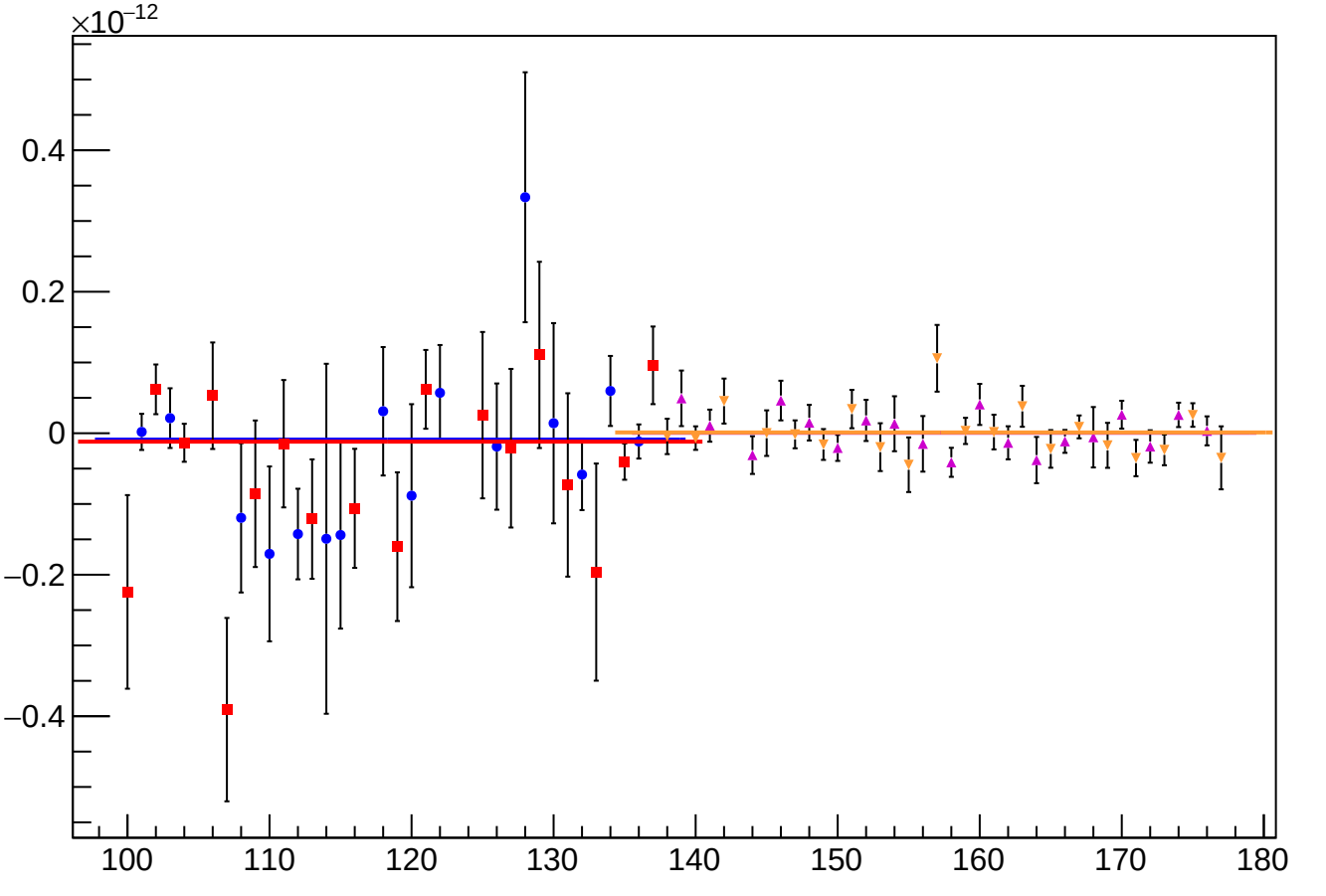
Left: 83.257+/-0.011 χ^2/NDF: 1301209.6/38

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

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

Out: 83.401+/-0.013 χ^2/NDF:1295847.1/37

All: 82.915+/-0.009 χ^2/NDF: 2340343.5/72



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

Left Out: 0.000+/-0.000 χ^2/NDF:20.1/19

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

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

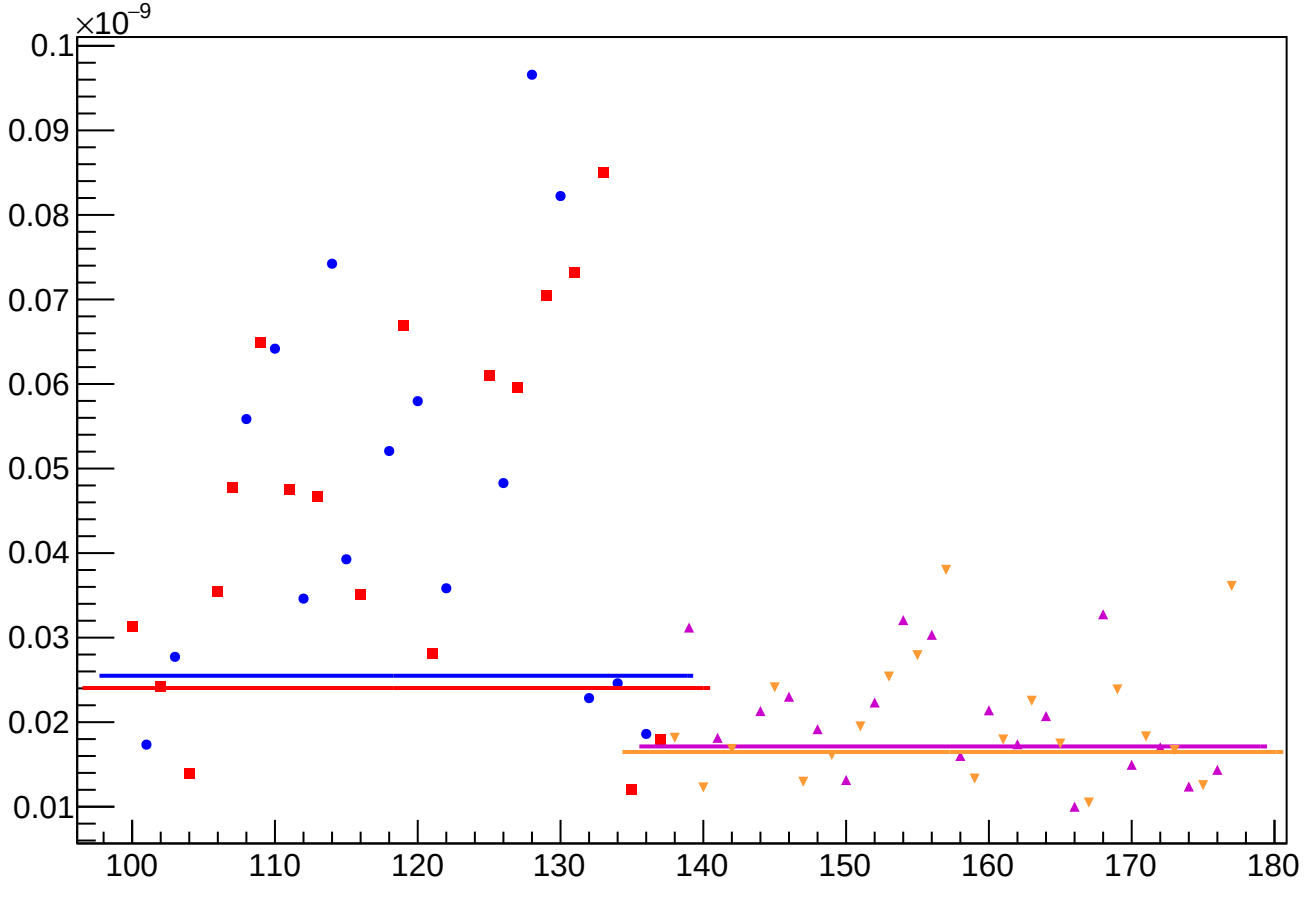
Left: 0.000+/-0.000 χ^2/NDF: 41.1/38

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

In: -0.000+/-0.000 χ^2/NDF:38.9/34

Out: -0.000+/-0.000 χ^2/NDF:52.0/37

All: -0.000+/-0.000 χ^2/NDF: 90.9/72



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

Left Out: 0.000+/-0.000 χ^2/NDF:2118681.7/19

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

Left In: 0.000+/-0.000 χ^2/NDF:2031387.4/18

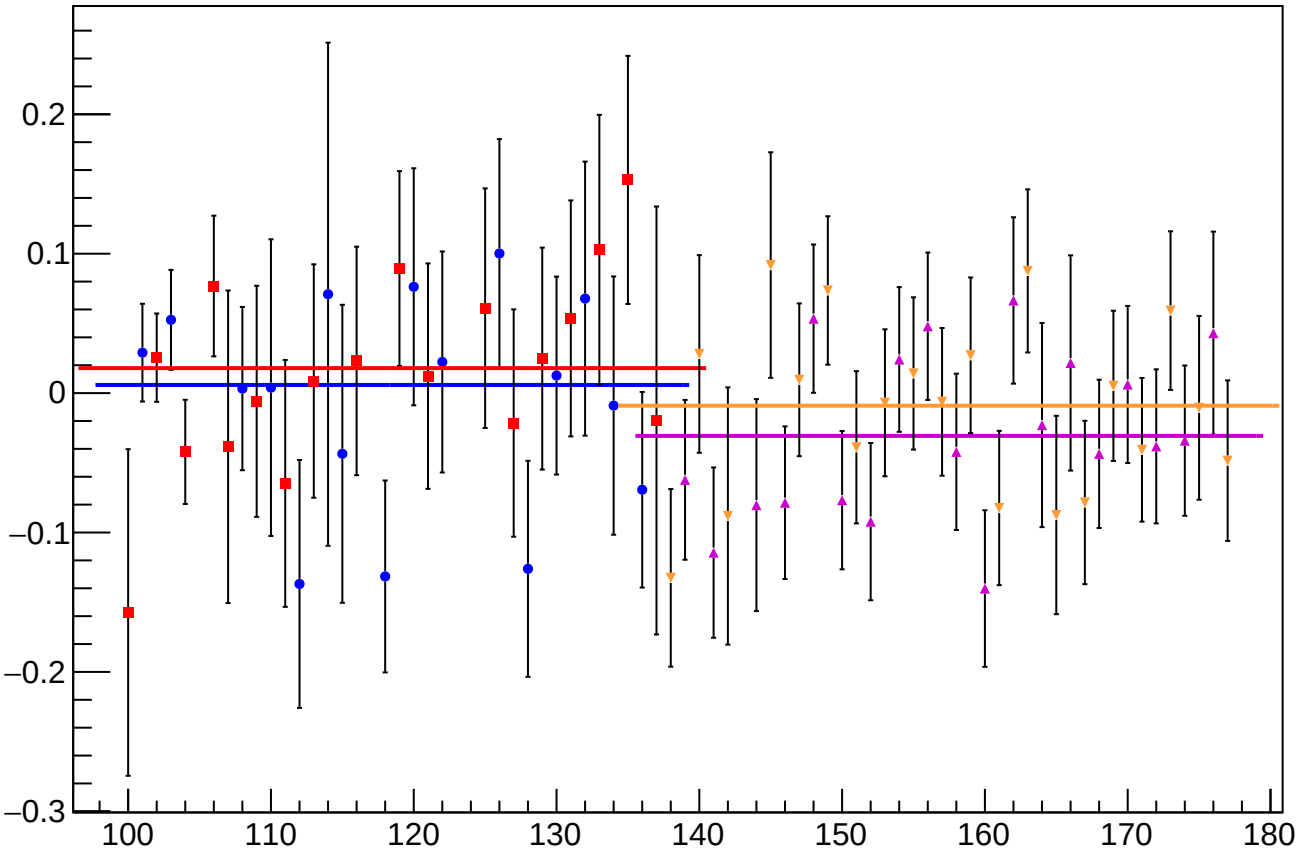
Left: 0.000+/-0.000 χ^2/NDF: 4164599.4/38

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

In: 0.000+/-0.000 χ^2/NDF:4711441.5/34

Out: 0.000+/-0.000 χ^2/NDF:5753156.6/37

All: 0.000+/-0.000 χ^2/NDF: 10492469.3/72



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

Left Out: -0.009+/-0.013 χ^2/NDF:19.2/19

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

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

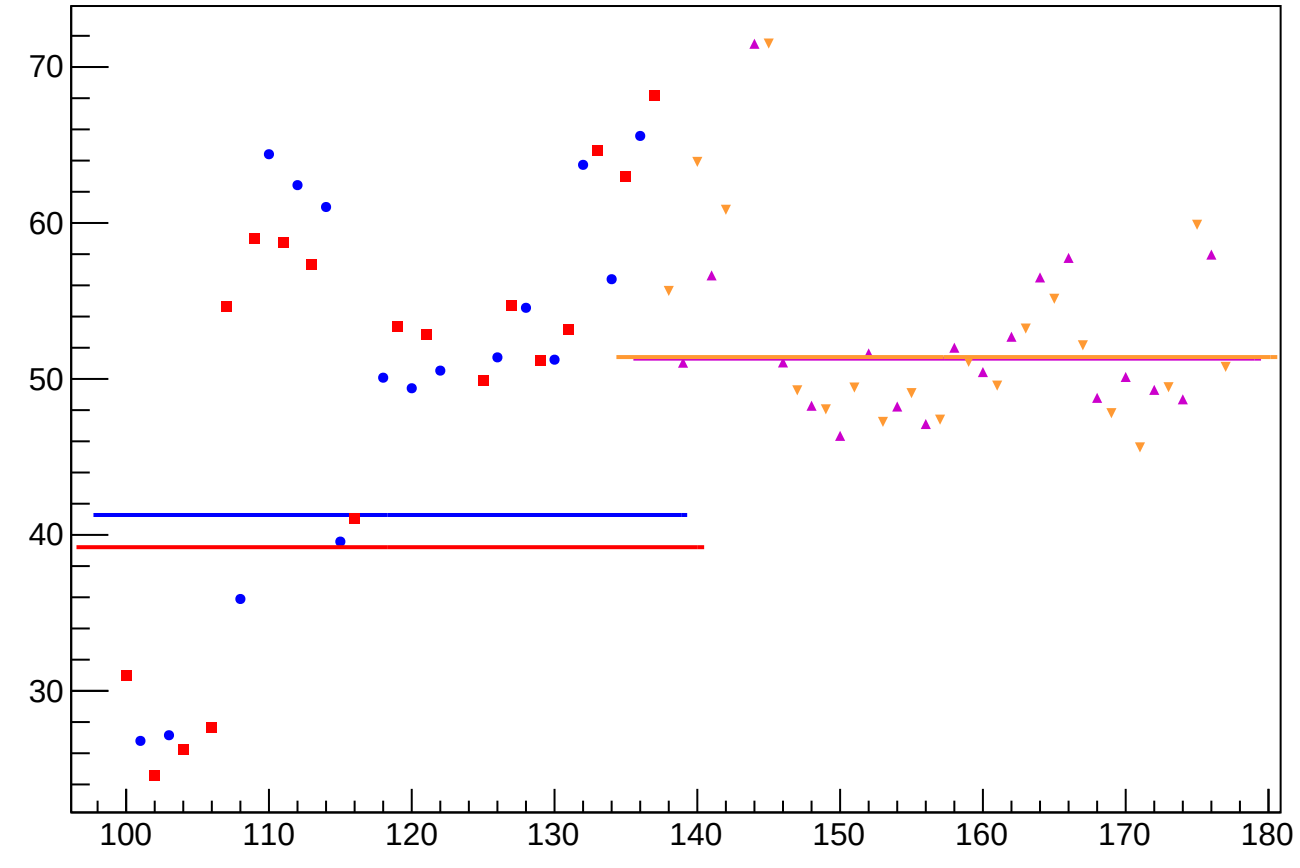
Left: -0.020+/-0.009 χ^2/NDF: 40.3/38

Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.016+/-0.010 χ^2/NDF:38.3/34

Out: 0.002+/-0.010 χ^2/NDF:33.3/37

All: -0.007+/-0.007 χ^2/NDF: 73.2/72



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

Left Out: 51.402+/-0.009 χ^2/NDF:336574.3/19

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

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

Left: 51.353+/-0.007 χ^2/NDF: 594433.7/38

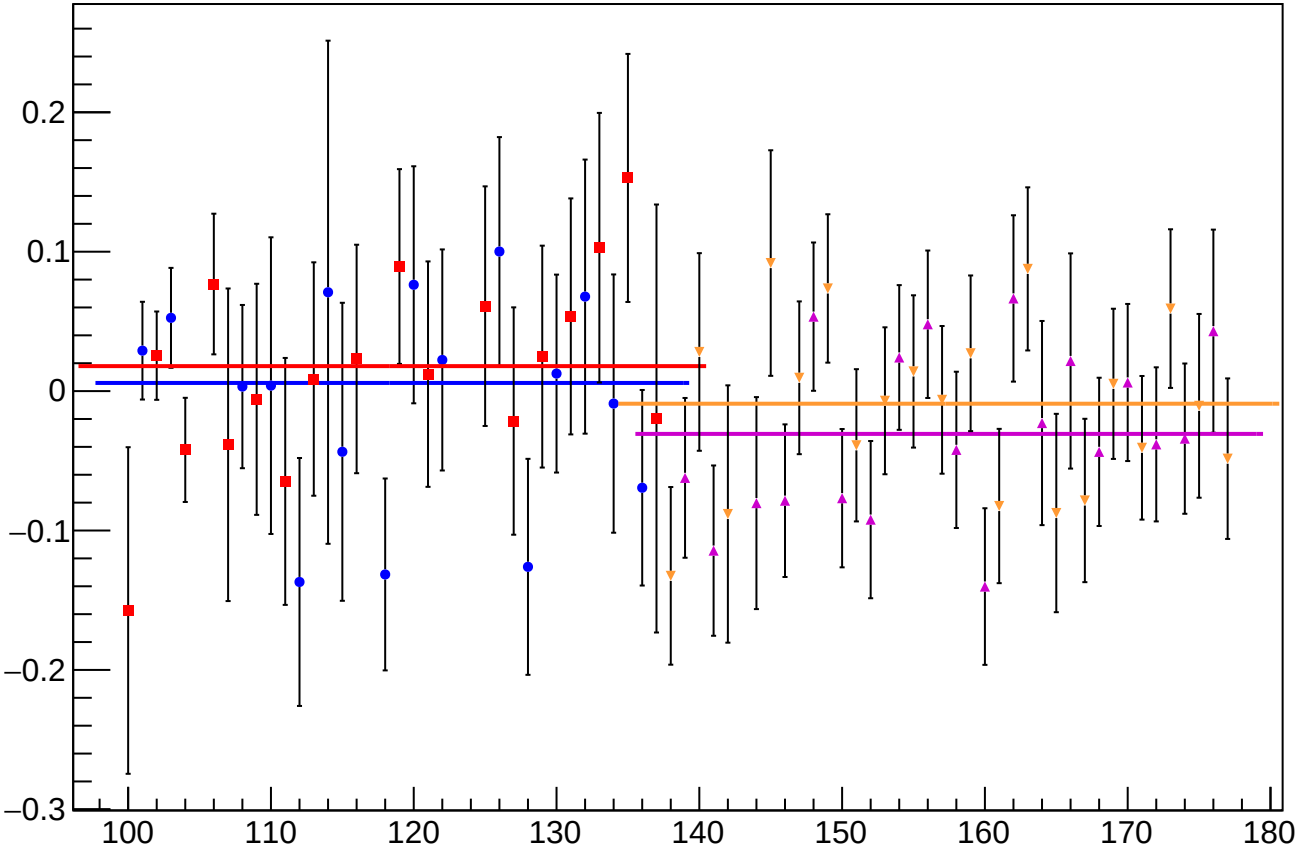
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

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

Out: 46.387+/-0.007 χ^2/NDF:2863162.6/37

All: 46.868+/-0.005 χ^2/NDF: 5083067.8/72

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.009+/-0.013 χ^2/NDF:19.2/19

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

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

Left: -0.020+/-0.009 χ^2/NDF: 40.3/38

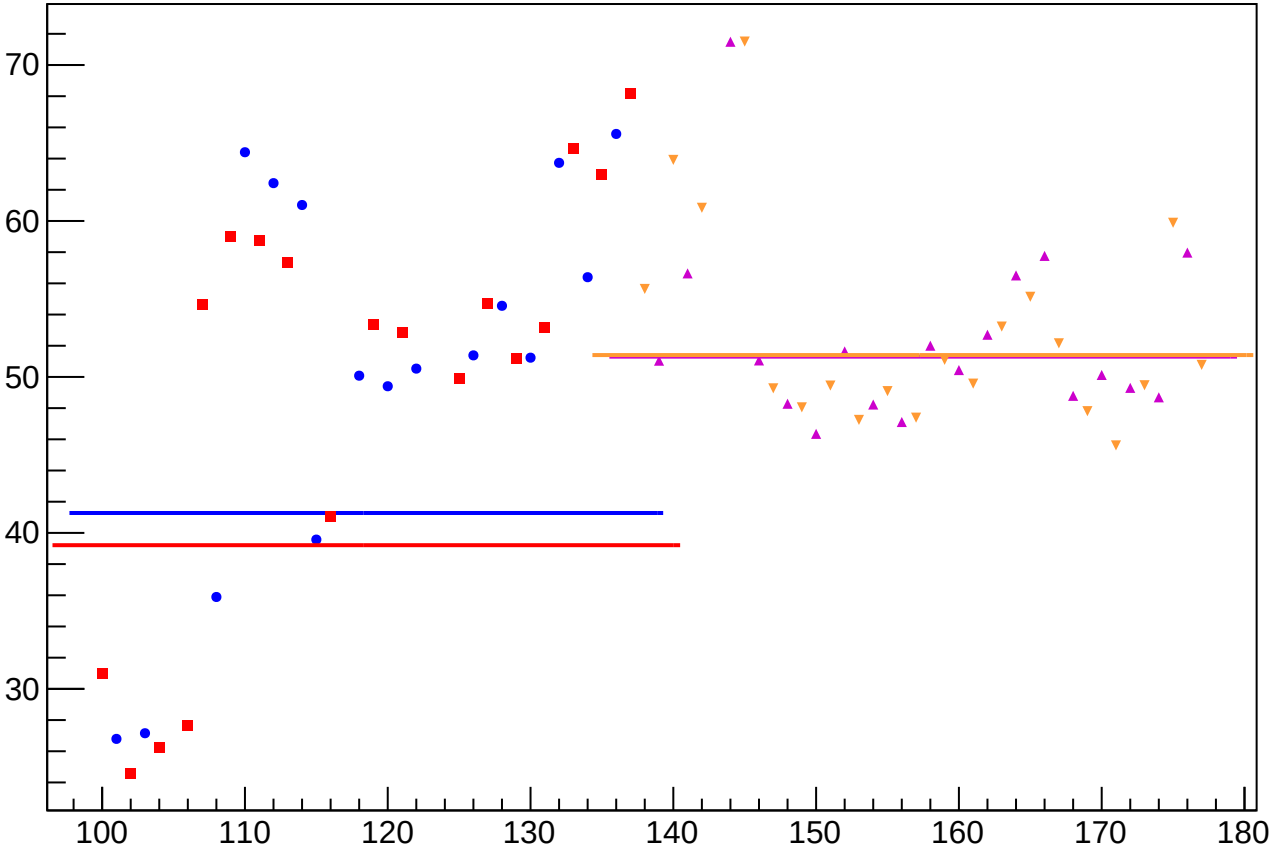
Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.016+/-0.010 χ^2/NDF:38.3/34

Out: 0.002+/-0.010 χ^2/NDF:33.3/37

All: -0.007+/-0.007 χ^2/NDF: 73.2/72

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: 51.402+/-0.009 χ^2/NDF:336574.3/19

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

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

Left: 51.353+/-0.007 χ^2/NDF: 594433.7/38

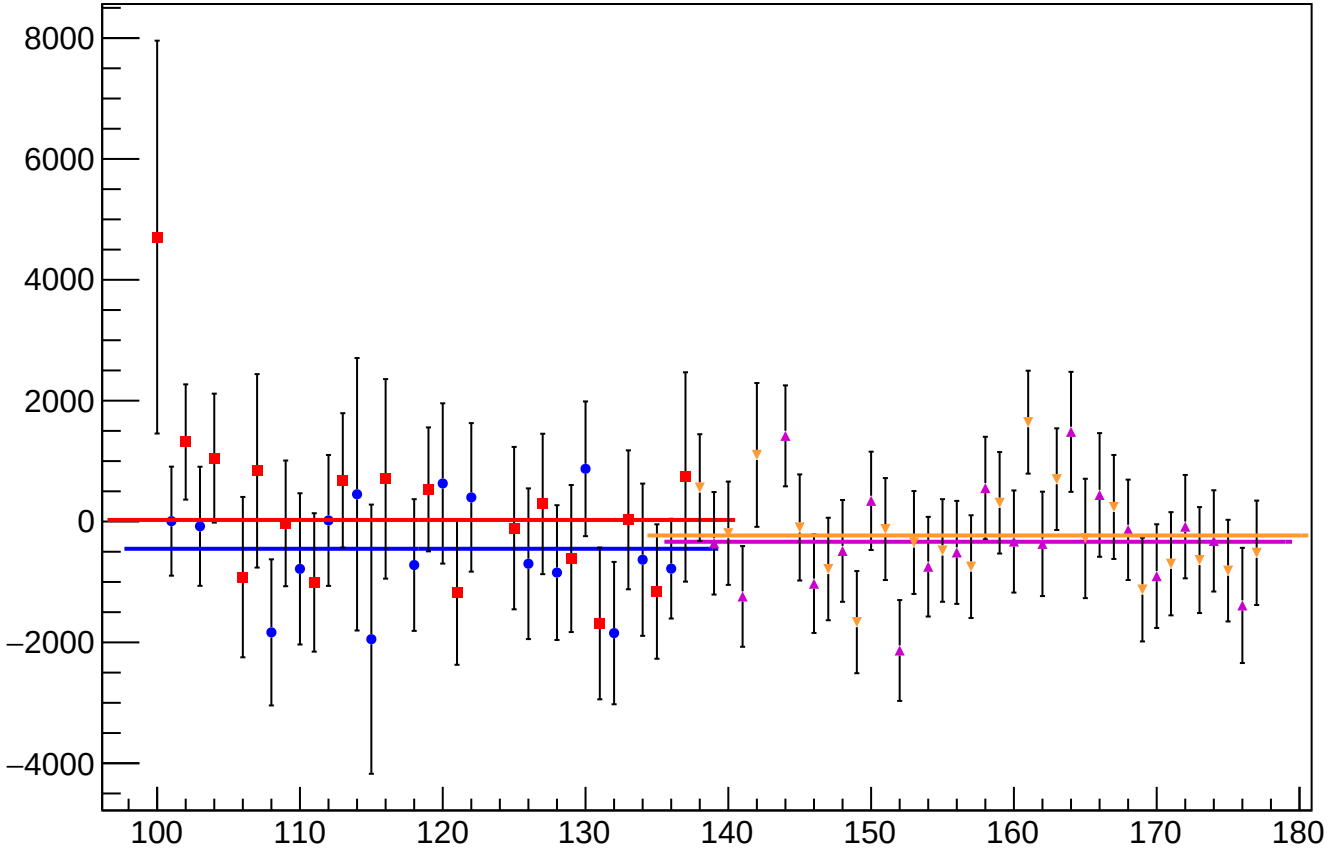
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

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

Out: 46.387+/-0.007 χ^2/NDF:2863162.6/37

All: 46.868+/-0.005 χ^2/NDF: 5083067.8/72

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -230.814+/-194.736 χ^2/NDF:14.9/19

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

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

Left: -282.201+/-138.490 χ^2/NDF: 33.8/38

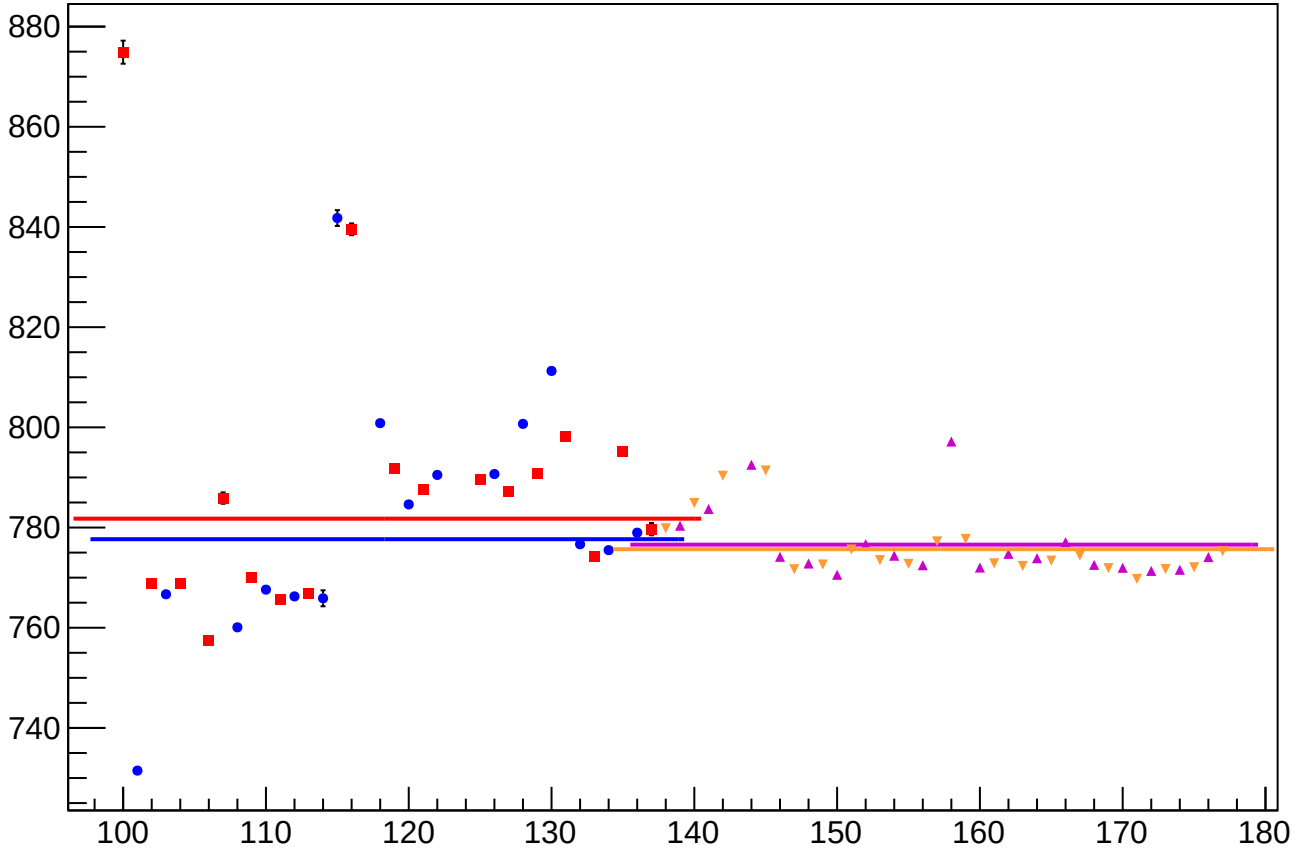
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

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

Out: -150.237+/-161.333 χ^2/NDF:27.1/37

All: -259.963+/-114.583 χ^2/NDF: 53.9/72

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 775.678+/-0.138 χ^2/NDF:1630.4/19

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

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

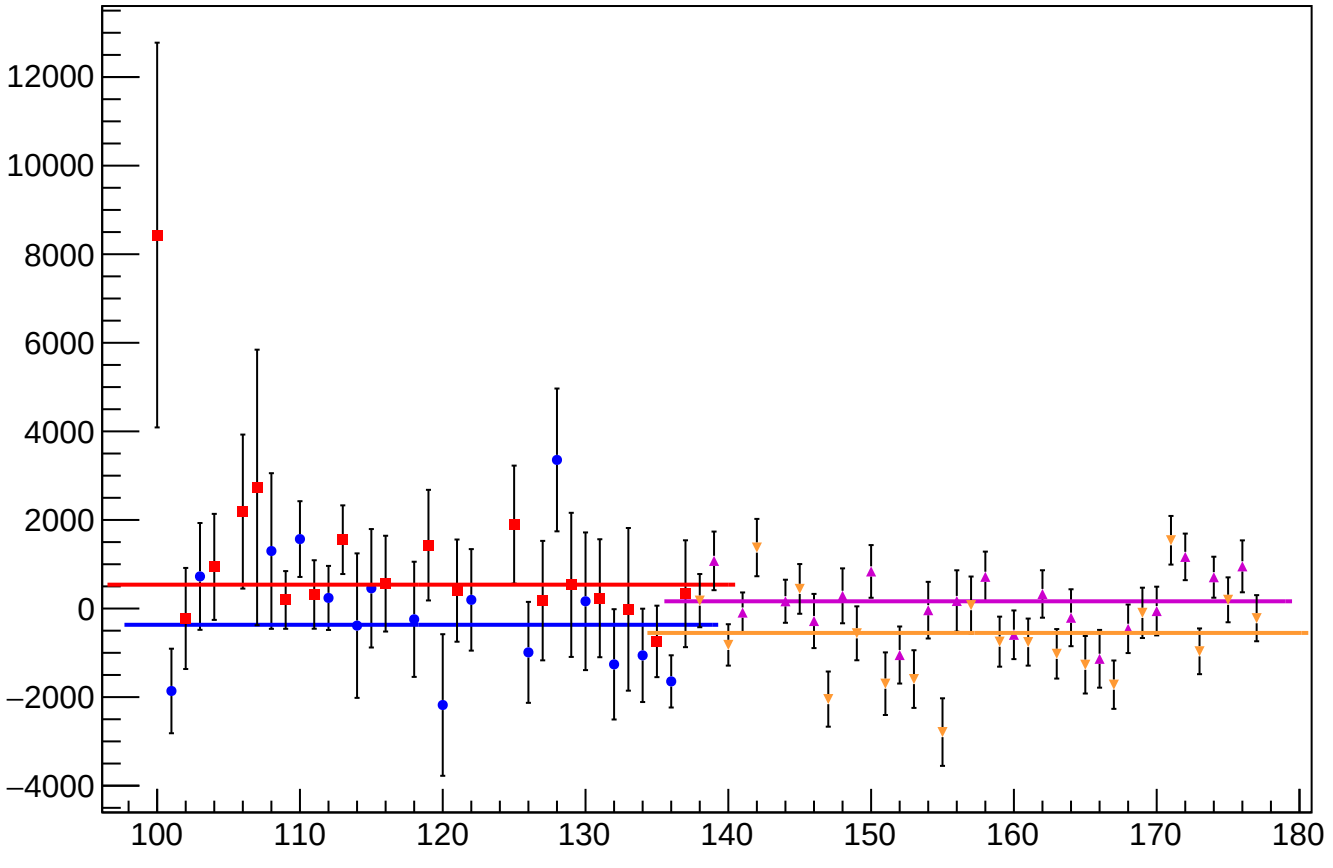
Left: 776.127+/-0.098 χ^2/NDF: 4319.8/38

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

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

Out: 777.591+/-0.114 χ^2/NDF:9871.9/37

All: 777.264+/-0.081 χ^2/NDF: 24631.0/72



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

Left Out: -550.839+/-129.091 χ^2/NDF:59.5/19

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

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

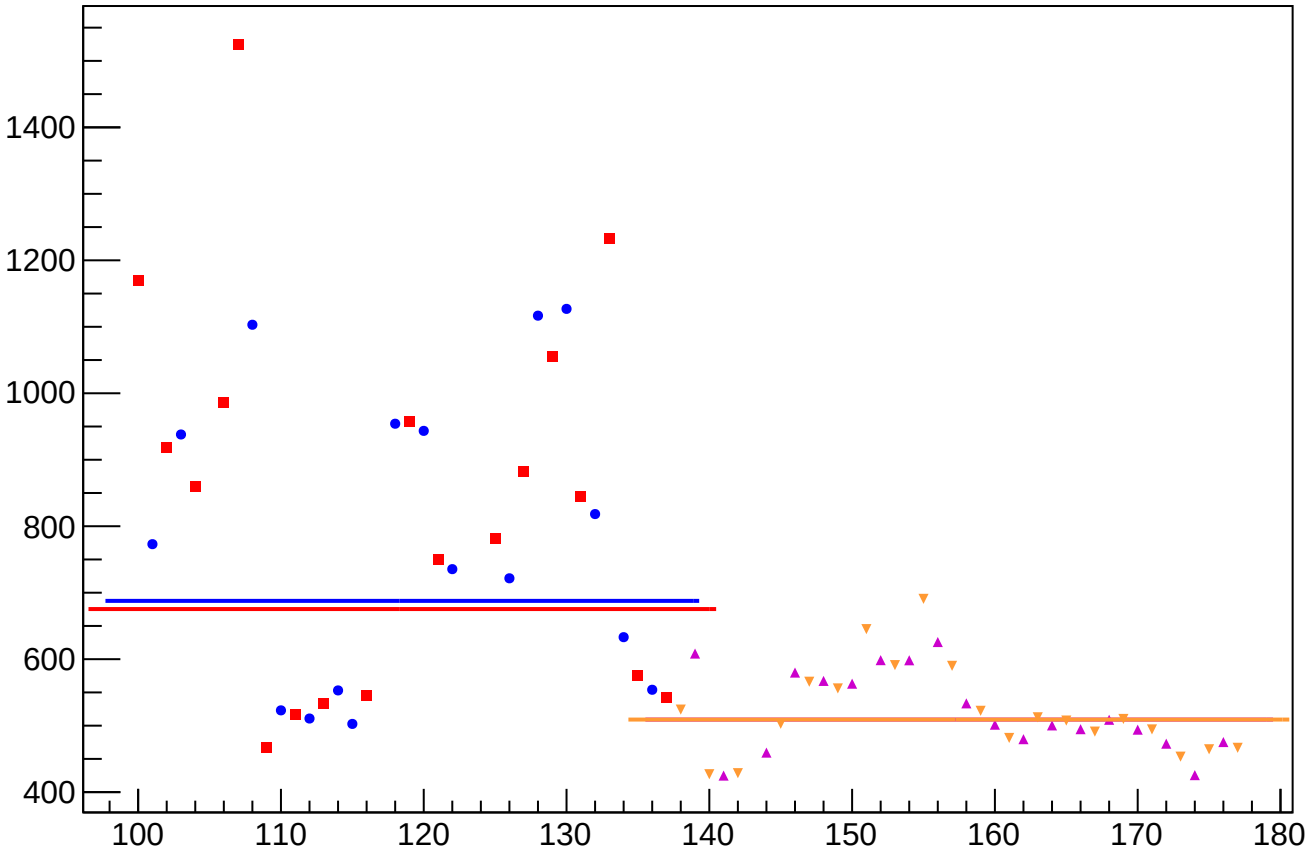
Left: -197.138+/-91.706 χ^2/NDF: 97.9/38

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

In: 61.050+/-117.076 χ^2/NDF:49.7/34

Out: -339.150+/-115.876 χ^2/NDF:85.0/37

All: -141.111+/-82.358 χ^2/NDF: 140.6/72



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

Left Out: 509.168+/-0.091 χ^2/NDF:435814.6/19

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

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

Left: 509.152+/-0.065 χ^2/NDF: 859995.6/38

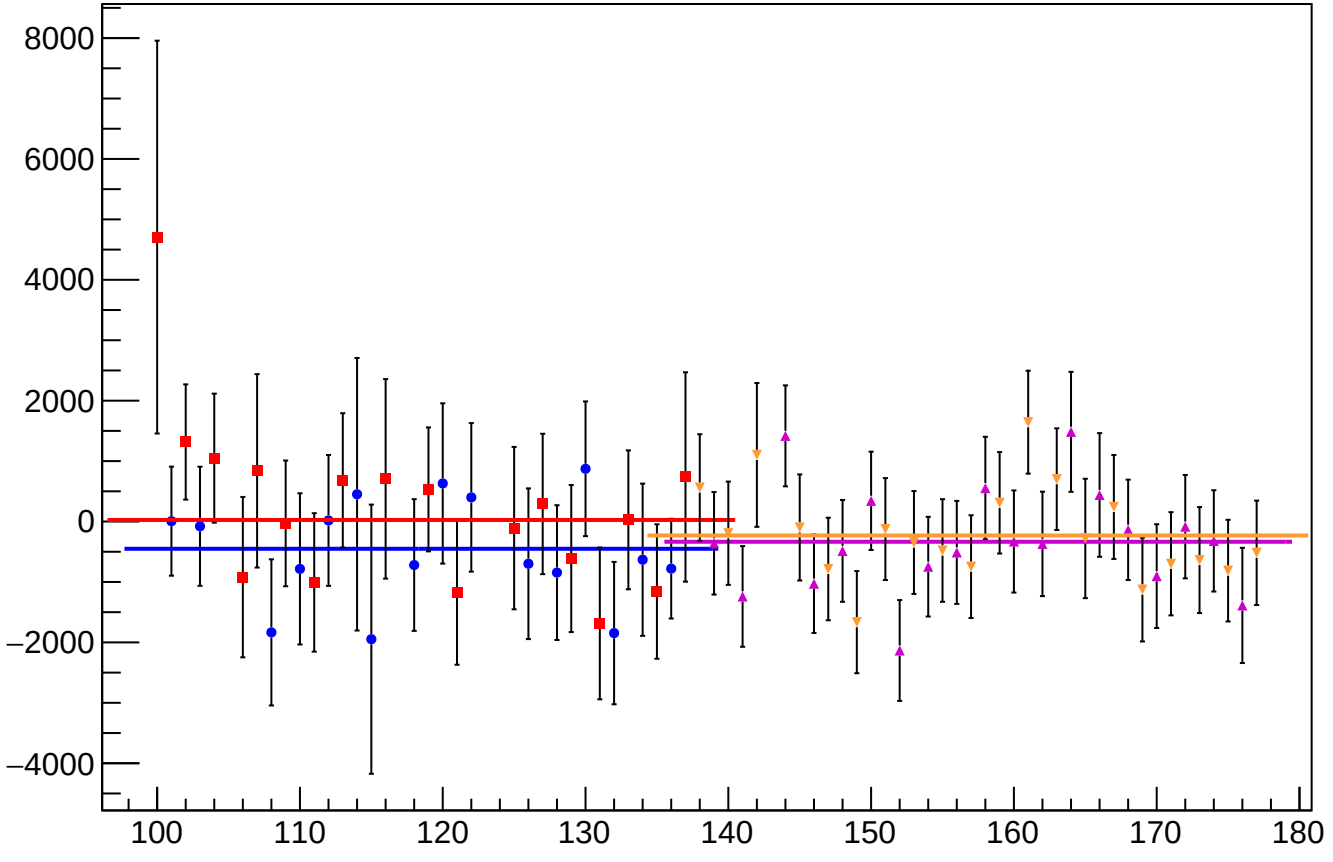
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

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

Out: 541.462+/-0.082 χ^2/NDF:2393137.2/37

All: 542.495+/-0.058 χ^2/NDF: 4573465.5/72

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -230.814+/-194.736 χ^2/NDF:14.9/19

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

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

Left: -282.201+/-138.490 χ^2/NDF: 33.8/38

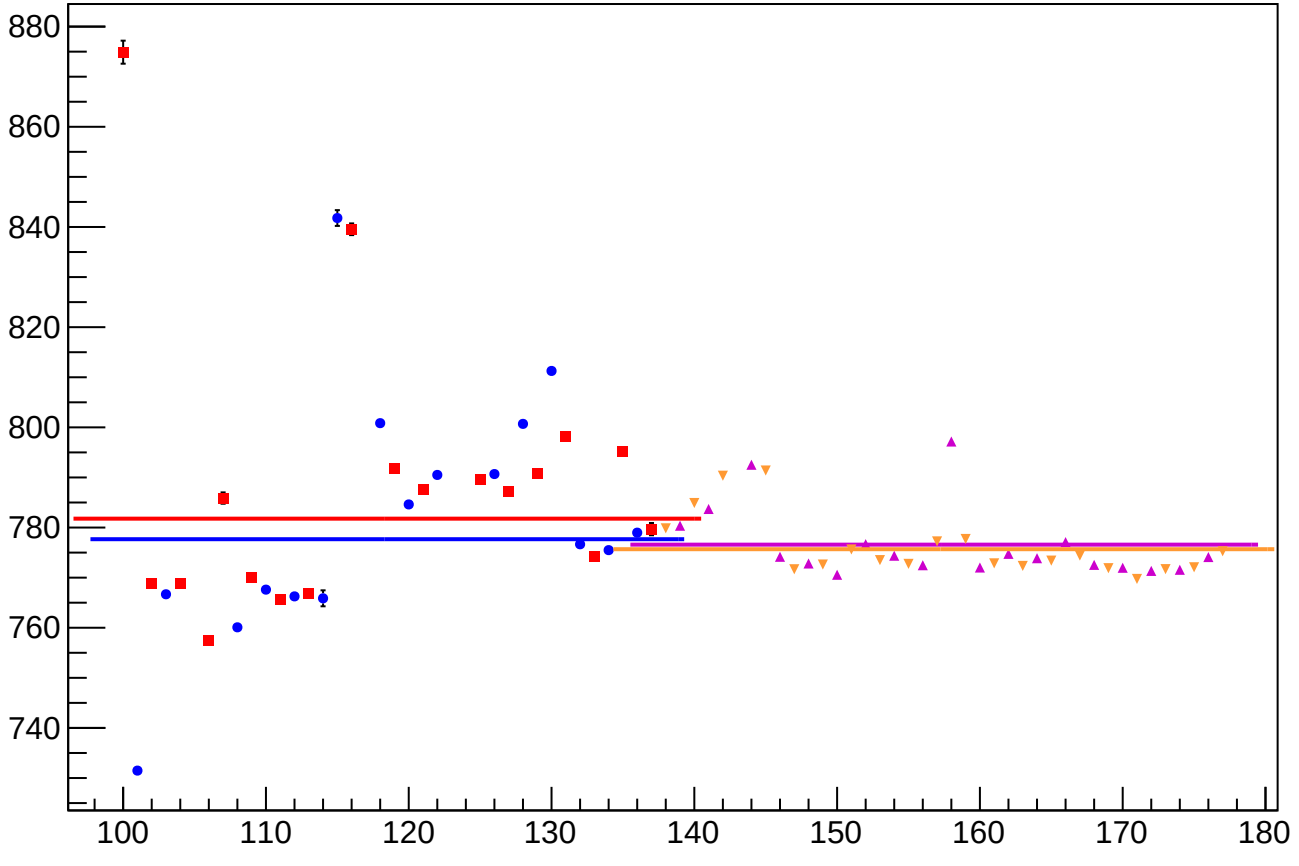
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

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

Out: -150.237+/-161.333 χ^2/NDF:27.1/37

All: -259.963+/-114.583 χ^2/NDF: 53.9/72

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 775.678+/-0.138 χ^2/NDF:1630.4/19

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

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

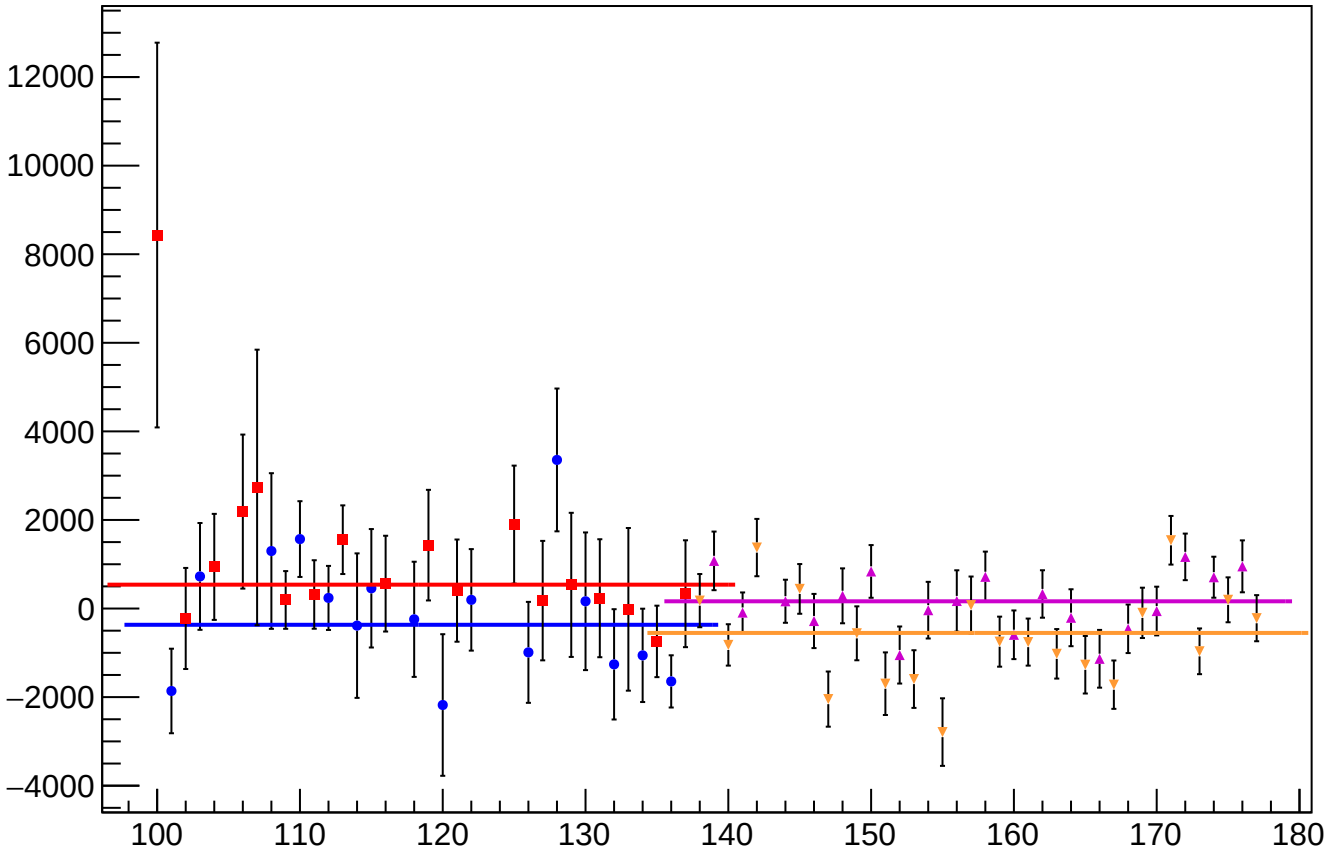
Left: 776.127+/-0.098 χ^2/NDF: 4319.8/38

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

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

Out: 777.591+/-0.114 χ^2/NDF:9871.9/37

All: 777.264+/-0.081 χ^2/NDF: 24631.0/72



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

Left Out: -550.839+/-129.091 χ^2/NDF:59.5/19

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

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

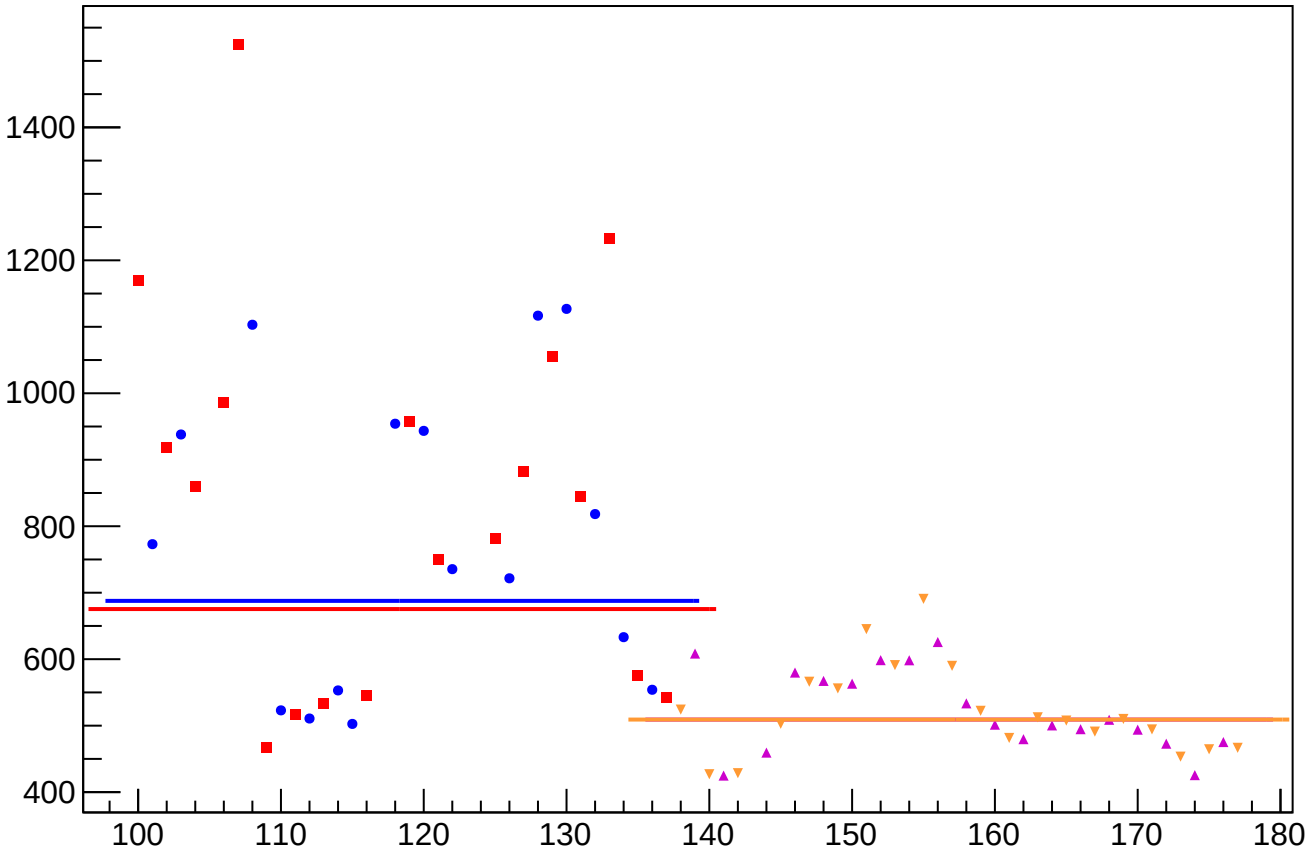
Left: -197.138+/-91.706 χ^2/NDF: 97.9/38

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

In: 61.050+/-117.076 χ^2/NDF:49.7/34

Out: -339.150+/-115.876 χ^2/NDF:85.0/37

All: -141.111+/-82.358 χ^2/NDF: 140.6/72



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

Left Out: 509.168+/-0.091 χ^2/NDF:435814.6/19

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

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

Left: 509.152+/-0.065 χ^2/NDF: 859995.6/38

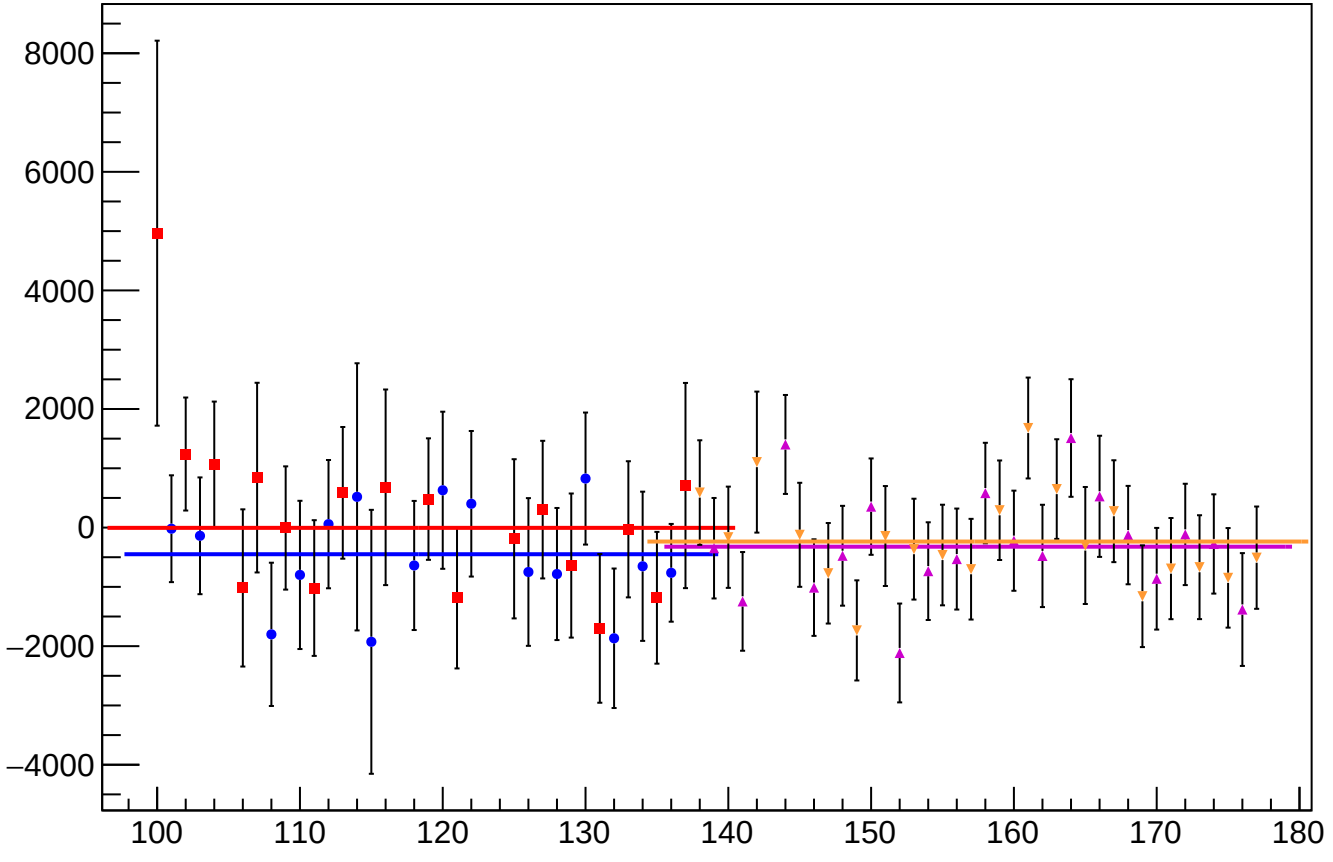
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

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

Out: 541.462+/-0.082 χ^2/NDF:2393137.2/37

All: 542.495+/-0.058 χ^2/NDF: 4573465.5/72

overload_cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -235.650+/-194.545 χ^2/NDF:15.4/19

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

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

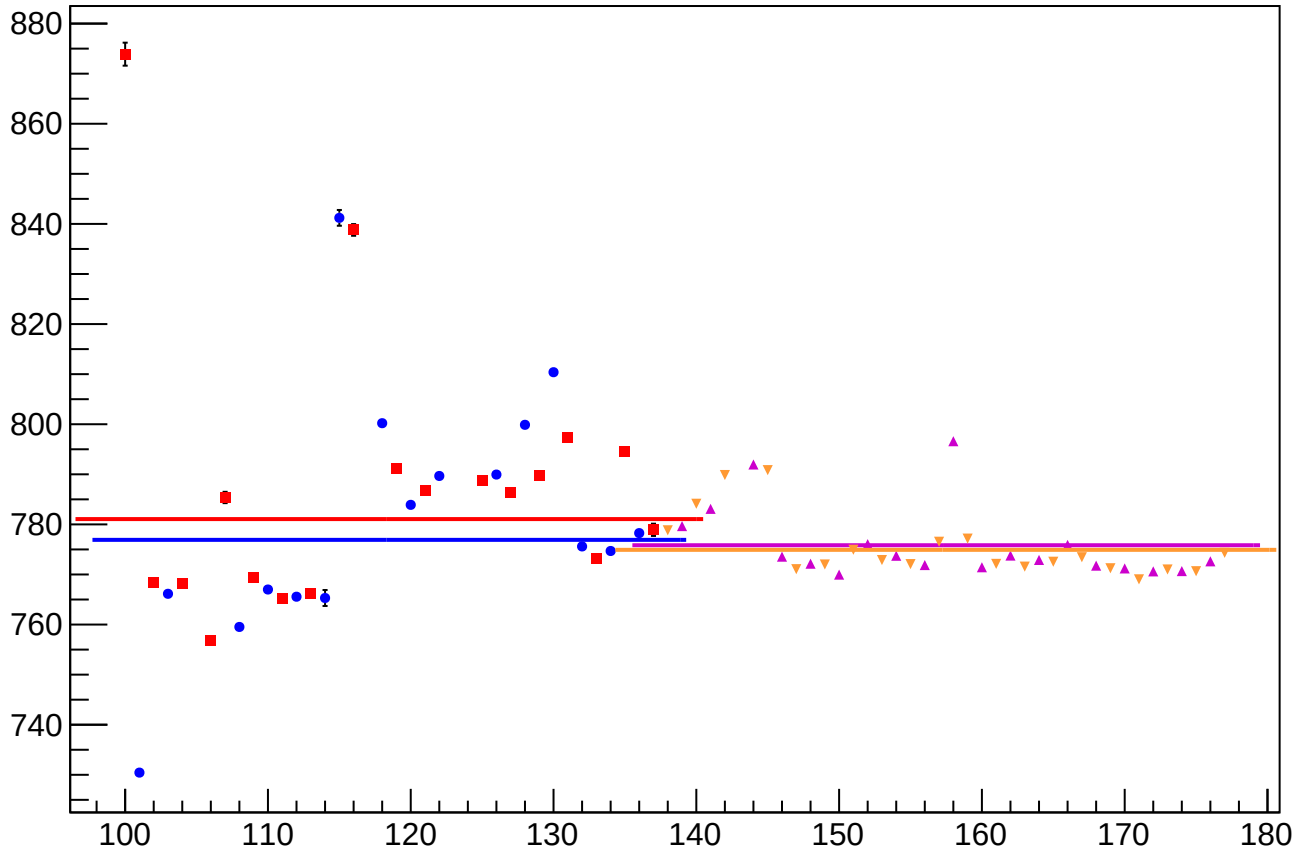
Left: -278.590+/-138.356 χ^2/NDF: 34.4/38

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

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

Out: -163.205+/-161.179 χ^2/NDF:27.7/37

All: -262.121+/-114.473 χ^2/NDF: 54.2/72



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

Left Out: 774.918+/-0.138 χ^2/NDF:1661.9/19

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

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

Left: 775.373+/-0.098 χ^2/NDF: 4401.1/38

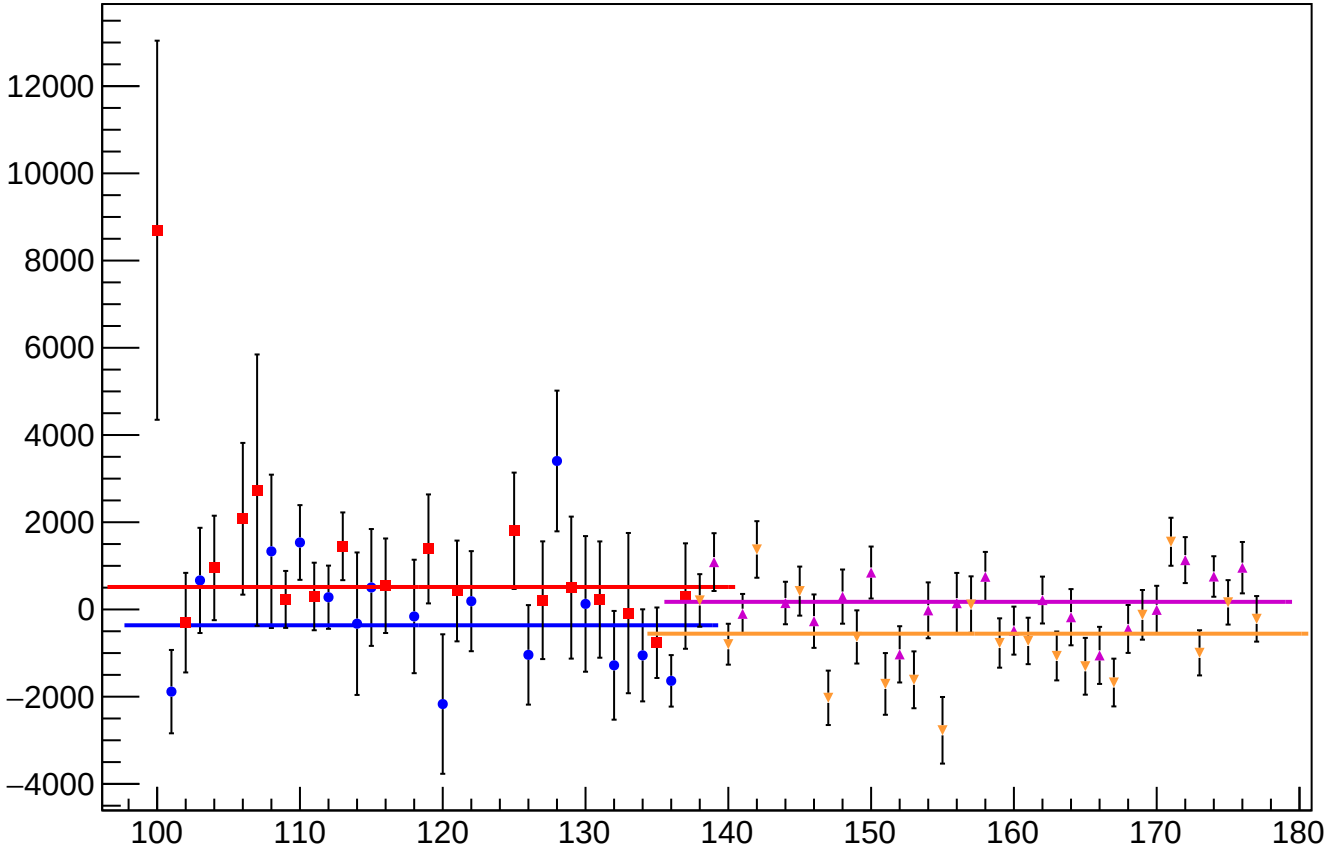
Right: 778.993+/-0.144 χ^2/NDF: 19916.4/33

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

Out: 776.845+/-0.114 χ^2/NDF:9873.0/37

All: 776.515+/-0.081 χ^2/NDF: 24749.5/72

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: -555.613+/-129.408 χ^2/NDF:59.0/19

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

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

Left: -194.006+/-91.930 χ^2/NDF: 96.8/38

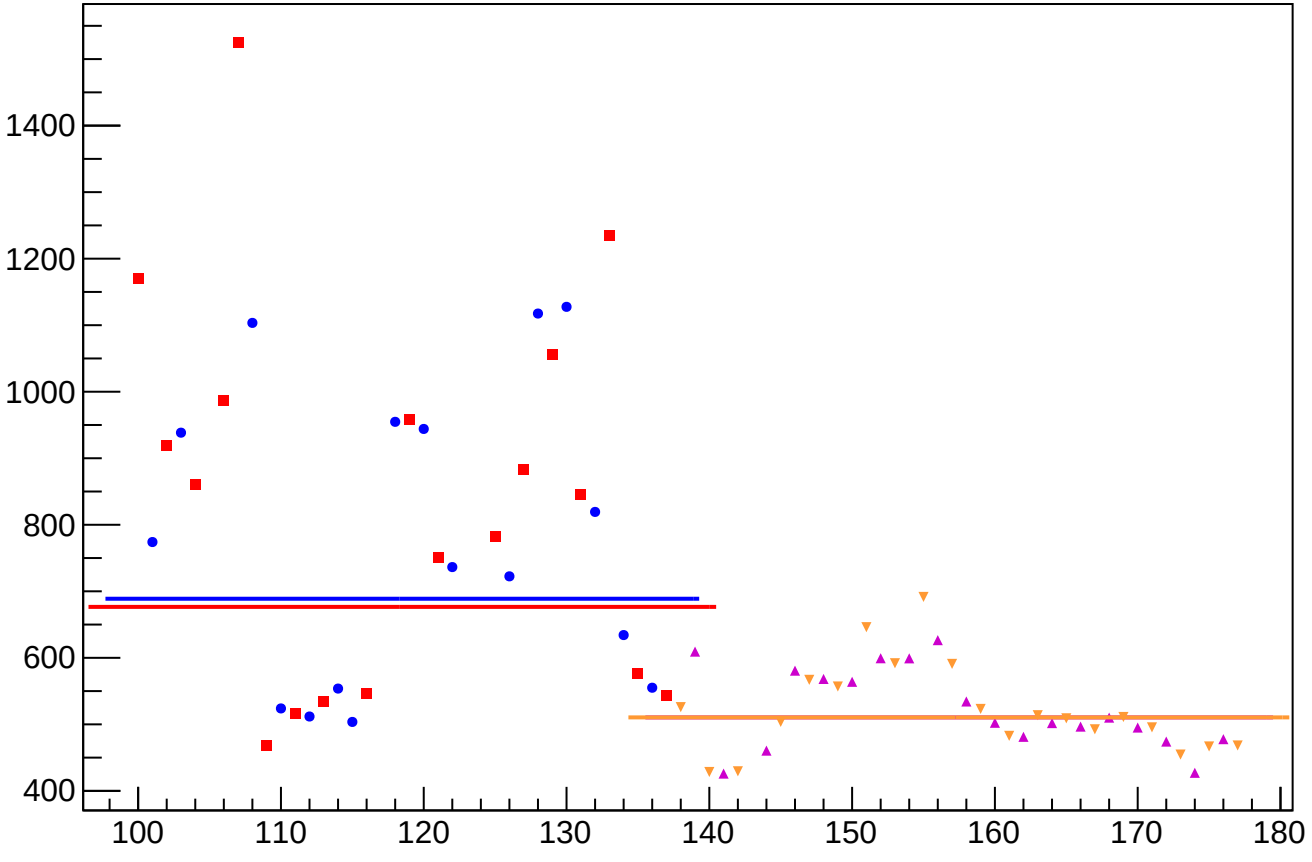
Right: 82.506+/-187.506 χ^2/NDF: 40.2/33

In: 70.713+/-117.338 χ^2/NDF:48.6/34

Out: -347.259+/-116.139 χ^2/NDF:83.7/37

All: -140.420+/-82.543 χ^2/NDF: 138.7/72

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: 510.469+/-0.092 χ^2/NDF:431101.1/19

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

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

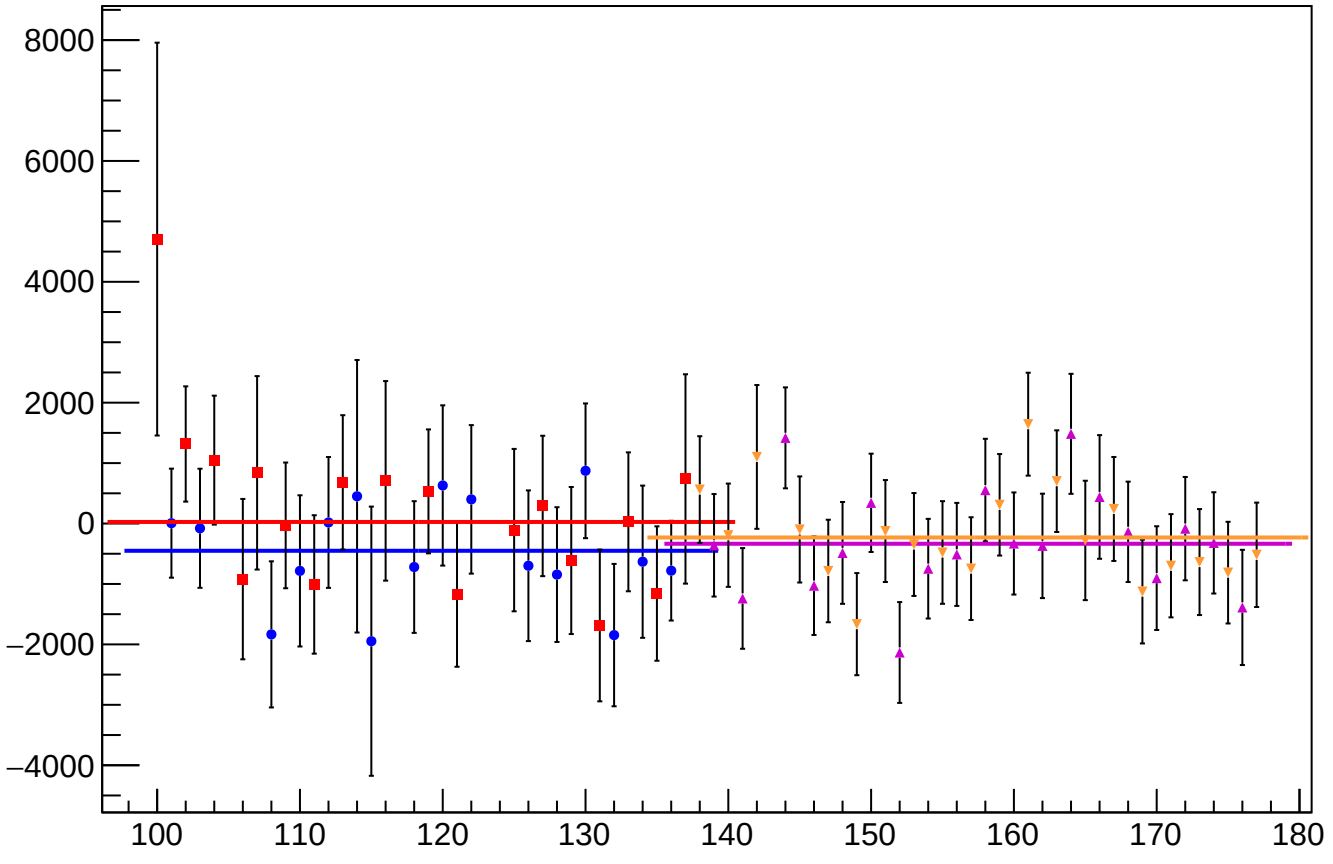
Left: 510.446+/-0.065 χ^2/NDF: 850379.0/38

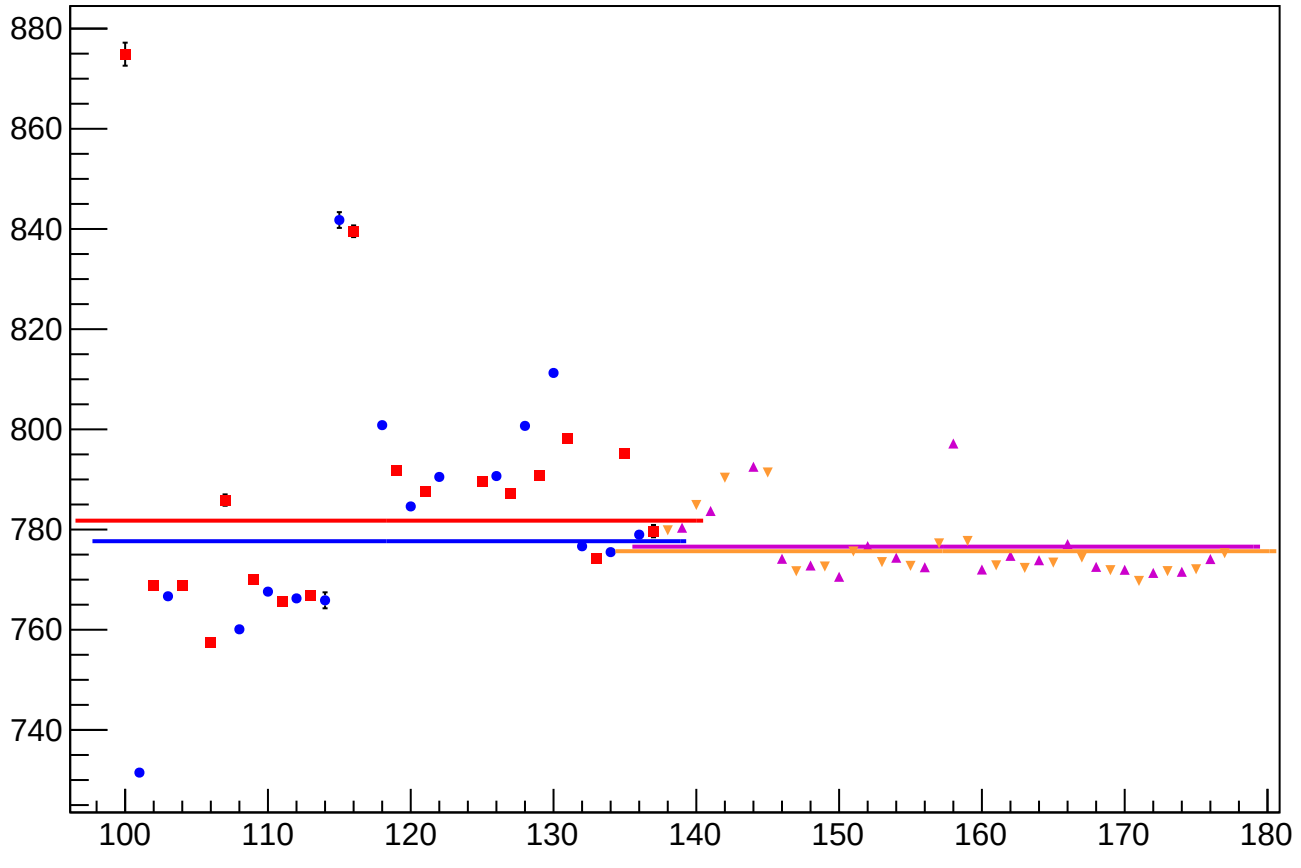
Right: 682.613+/-0.133 χ^2/NDF: 2338290.5/33

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

Out: 542.785+/-0.082 χ^2/NDF:2380219.0/37

All: 543.810+/-0.058 χ^2/NDF: 4548069.6/72


eigen_cor_asym_us_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
Right In: -450.953+/-288.950 χ²/NDF: 6.9/15
Left Out: -230.814+/-194.736 χ²/NDF:14.9/19
Right Out: 26.099+/-288.079 χ²/NDF: 11.7/17
Left In: -334.785+/-196.993 χ²/NDF:18.8/18
Left: -282.201+/-138.490 χ²/NDF: 33.8/38
Right: -211.707+/-204.010 χ²/NDF: 20.0/33
In: -371.646+/-162.766 χ²/NDF:25.9/34
Out: -150.237+/-161.333 χ²/NDF:27.1/37
All: -259.963+/-114.583 χ²/NDF: 53.9/72



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

Left Out: 775.678+/-0.138 χ^2/NDF:1630.4/19

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

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

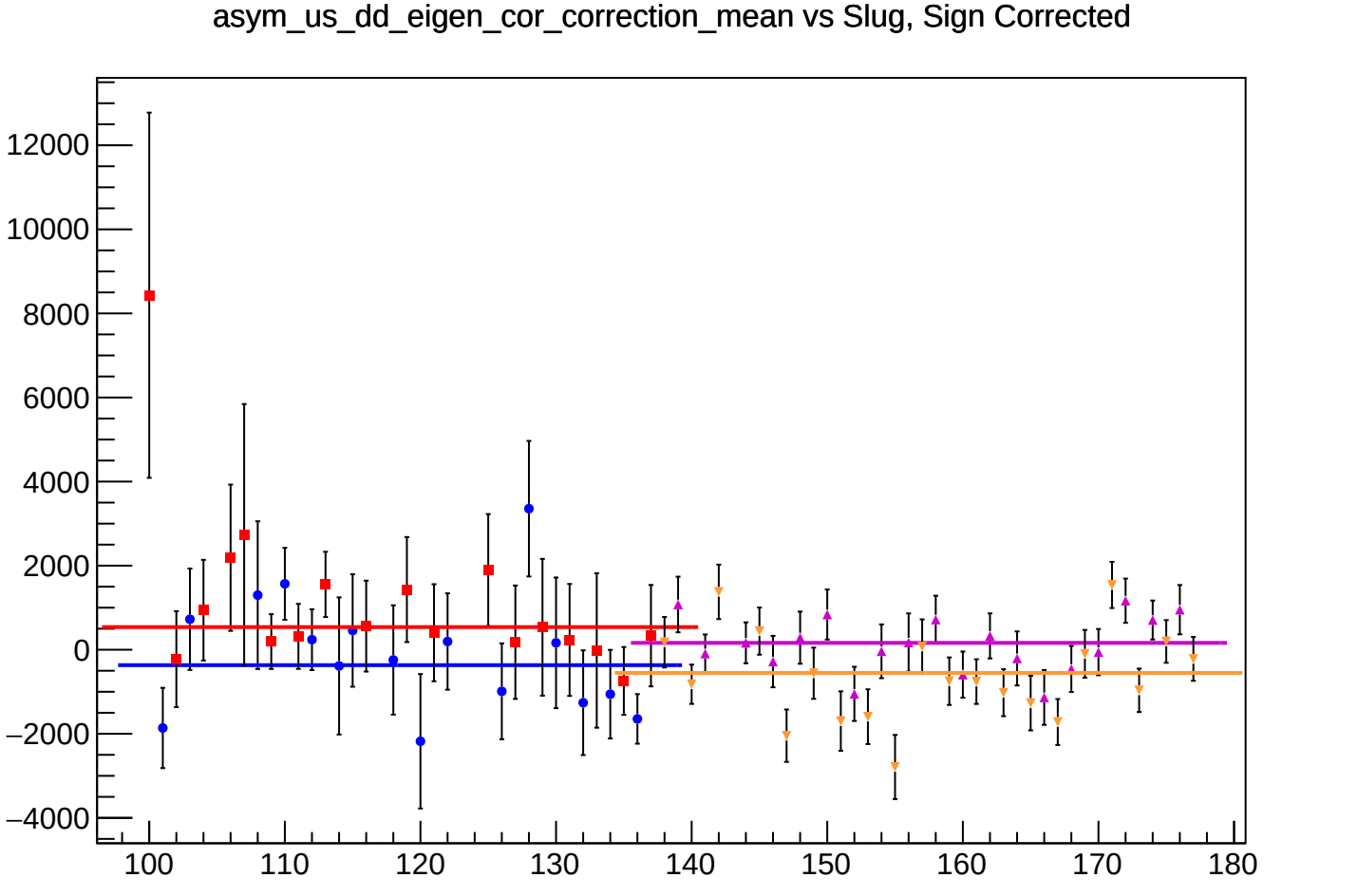
Left: 776.127+/-0.098 χ^2/NDF: 4319.8/38

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

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

Out: 777.591+/-0.114 χ^2/NDF:9871.9/37

All: 777.264+/-0.081 χ^2/NDF: 24631.0/72



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

Left Out: -550.839+/-129.091 χ^2/NDF:59.5/19

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

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

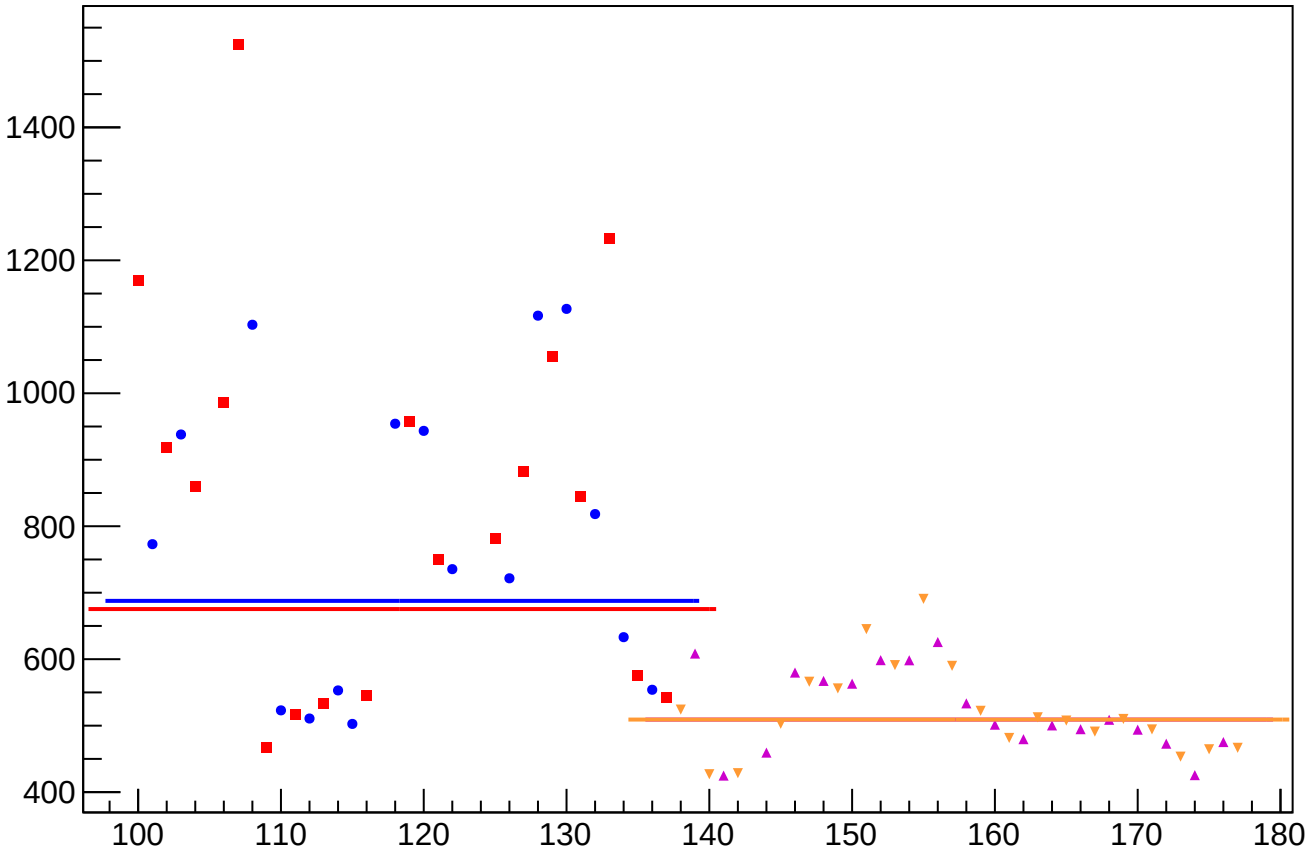
Left: -197.138+/-91.706 χ^2/NDF: 97.9/38

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

In: 61.050+/-117.076 χ^2/NDF:49.7/34

Out: -339.150+/-115.876 χ^2/NDF:85.0/37

All: -141.111+/-82.358 χ^2/NDF: 140.6/72



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

Left Out: 509.168+/-0.091 χ^2/NDF:435814.6/19

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

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

Left: 509.152+/-0.065 χ^2/NDF: 859995.6/38

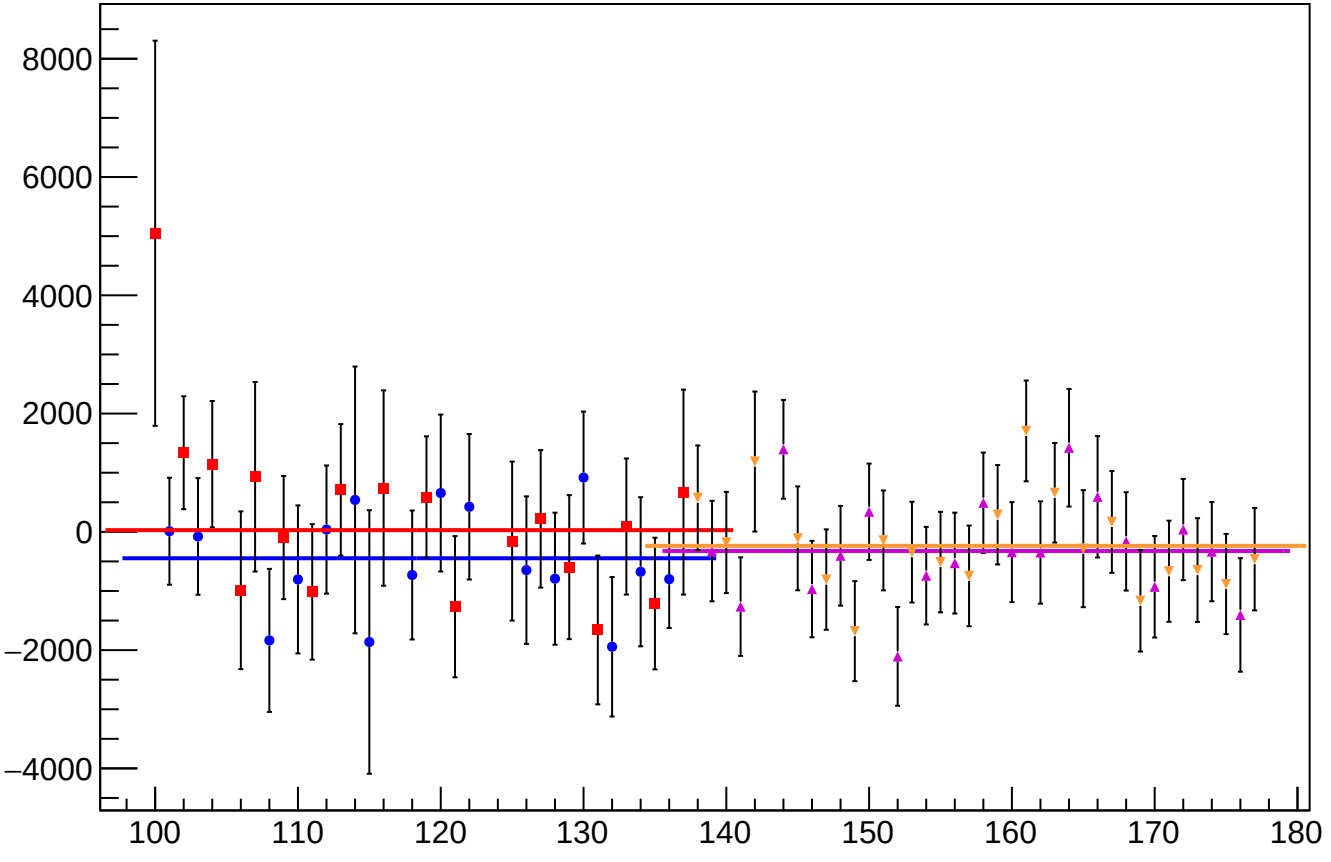
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

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

Out: 541.462+/-0.082 χ^2/NDF:2393137.2/37

All: 542.495+/-0.058 χ^2/NDF: 4573465.5/72

dit_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -237.058+/-194.982 χ^2/NDF:15.4/19

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

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

Left: -279.852+/-138.664 χ^2/NDF: 34.0/38

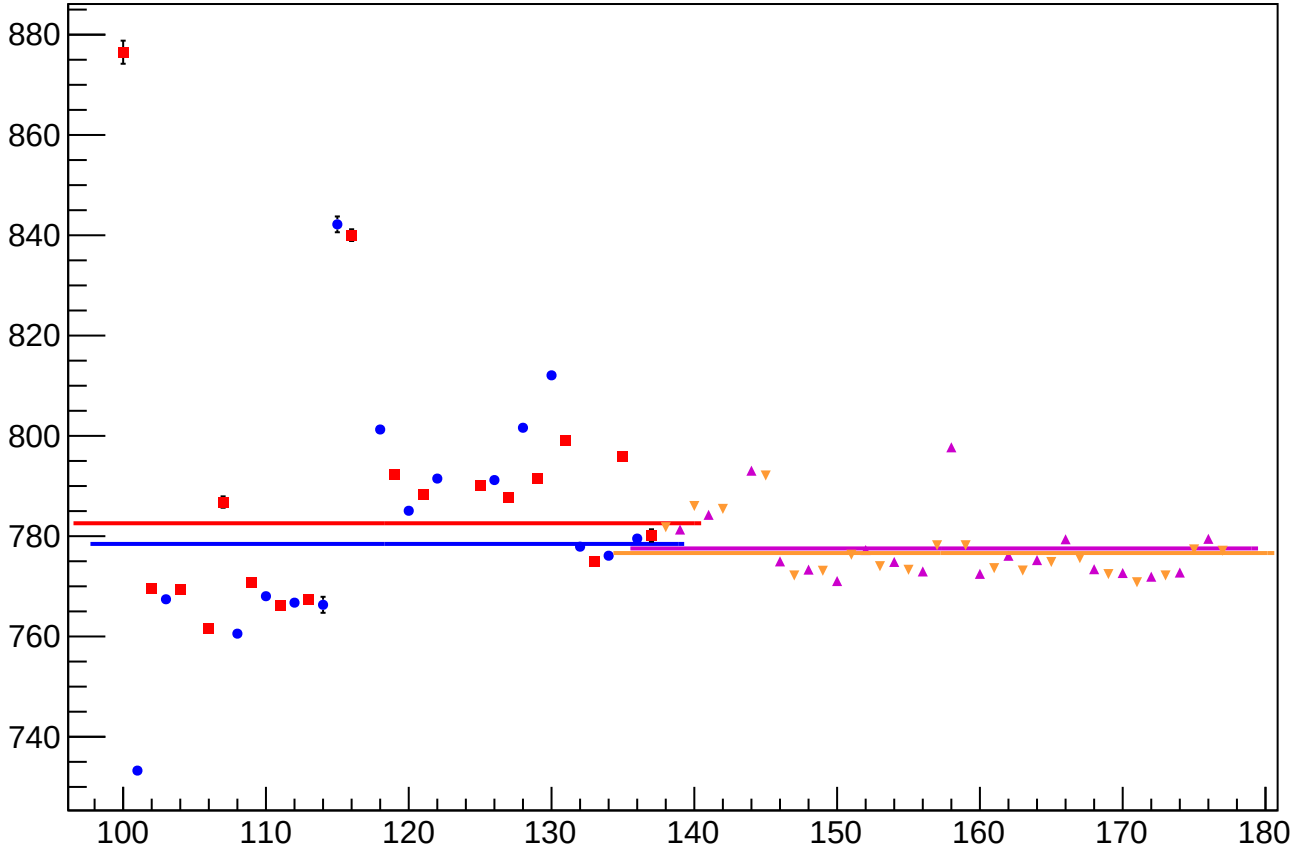
Right: -208.223+/-204.216 χ^2/NDF: 21.3/33

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

Out: -153.652+/-161.525 χ^2/NDF:28.6/37

All: -257.248+/-114.718 χ^2/NDF: 55.3/72

dit_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 776.637+/-0.138 χ^2/NDF:1454.8/19

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

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

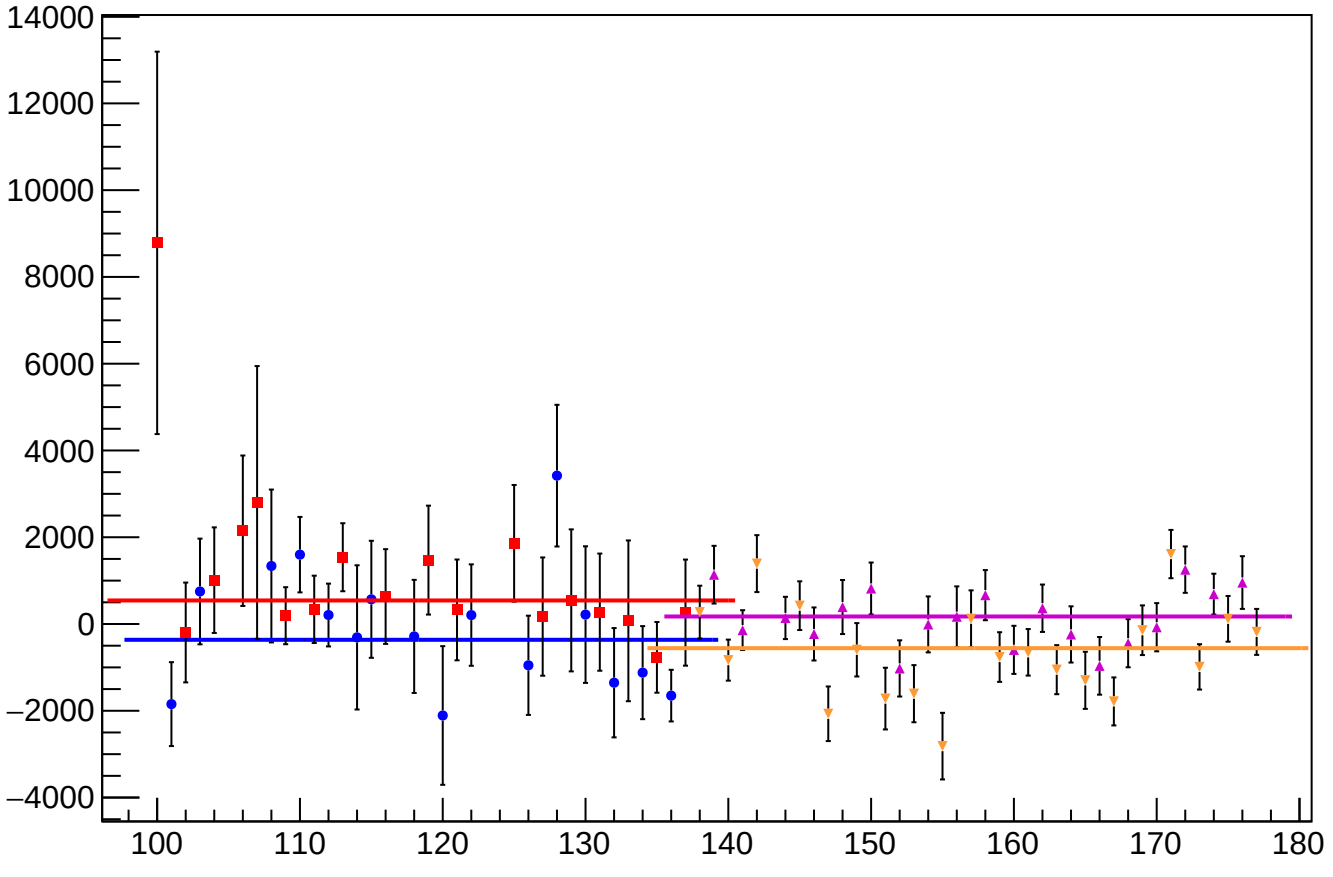
Left: 777.092+/-0.098 χ^2/NDF: 4108.0/38

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

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

Out: 778.500+/-0.114 χ^2/NDF:9518.1/37

All: 778.174+/-0.081 χ^2/NDF: 23974.2/72



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

Left Out: -556.870+/-130.753 χ^2/NDF:60.4/19

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

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

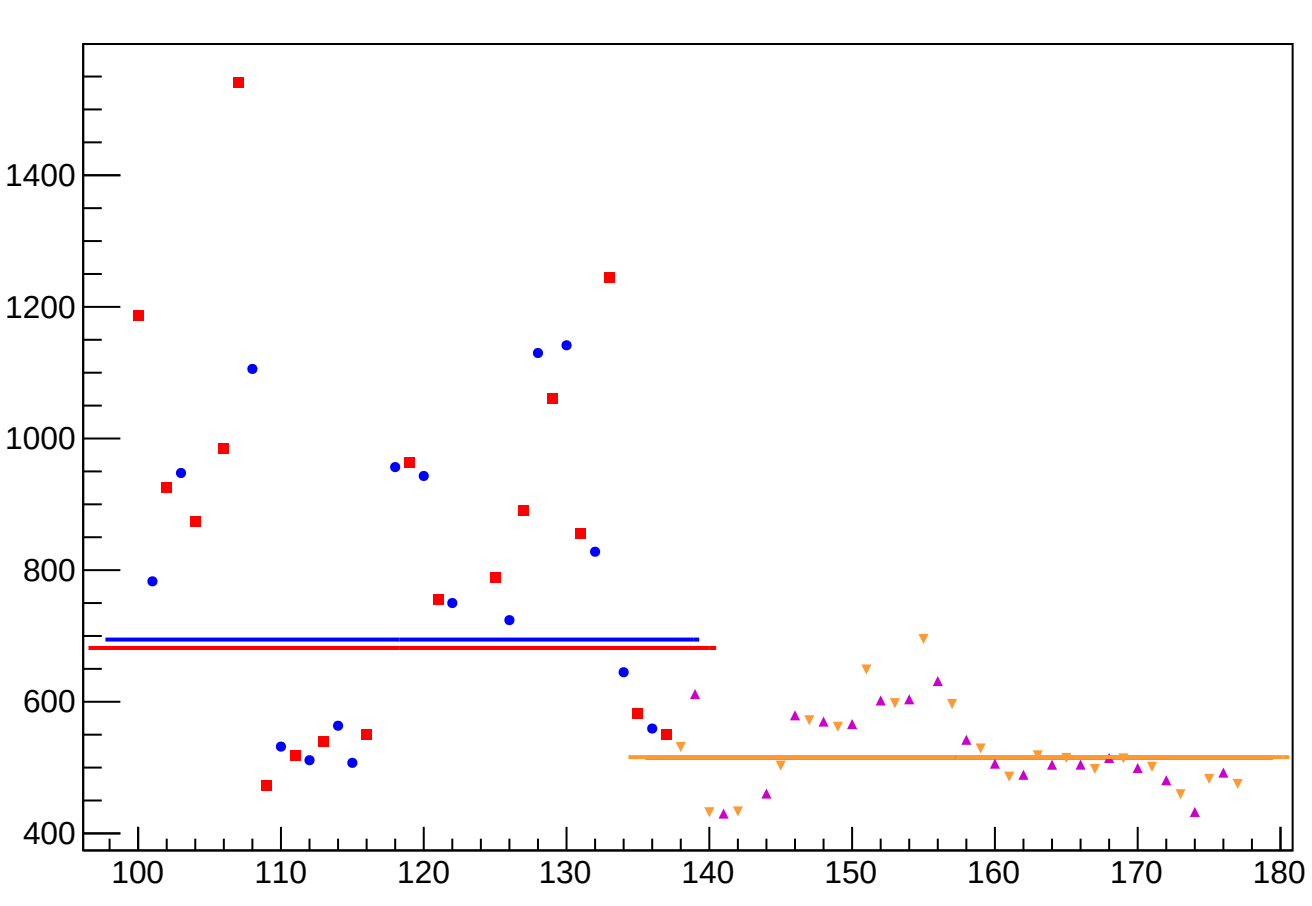
Left: -194.703+/-92.825 χ^2/NDF: 98.2/38

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

In: 69.481+/-118.385 χ^2/NDF:48.8/34

Out: -341.911+/-117.280 χ^2/NDF:86.0/37

All: -138.143+/-83.317 χ^2/NDF: 140.9/72



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

Left Out: 515.920+/-0.092 χ^2/NDF:418562.8/19

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

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

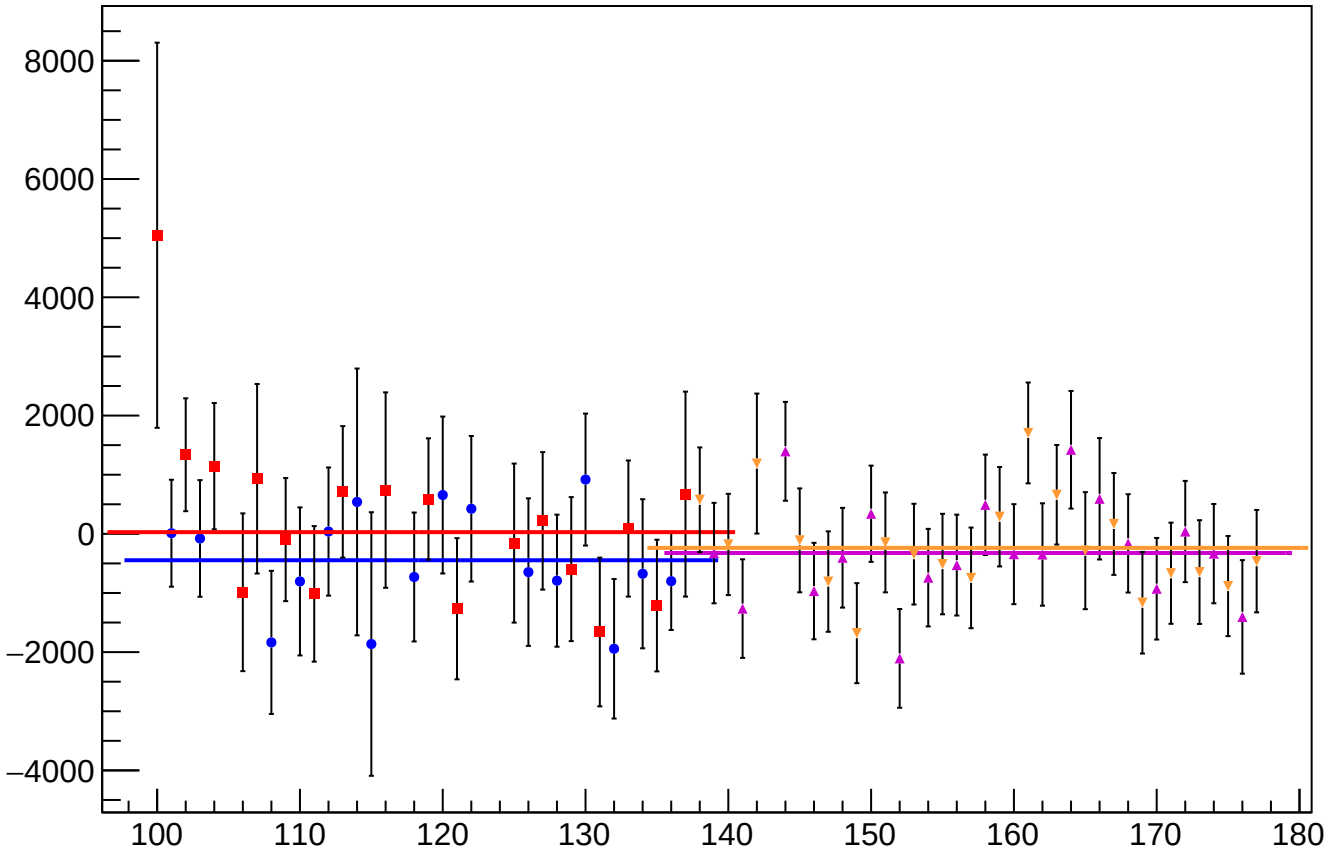
Left: 515.589+/-0.066 χ^2/NDF: 820627.1/38

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

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

Out: 548.332+/-0.083 χ^2/NDF:2358644.8/37

All: 549.105+/-0.059 χ^2/NDF: 4505690.9/72



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

Left Out: -237.060+/-194.982 χ^2/NDF:15.4/19

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

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

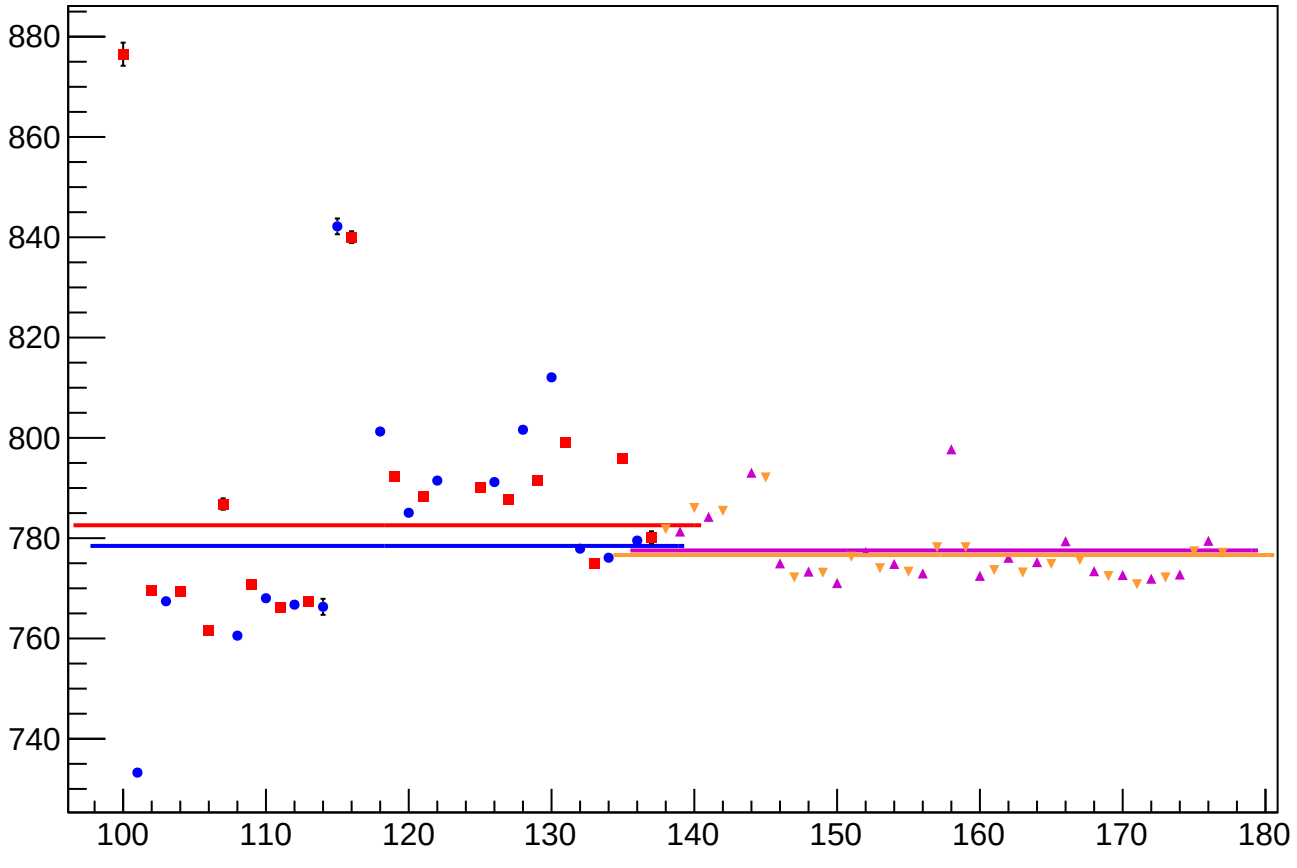
Left: -279.852+/-138.664 χ^2/NDF: 34.0/38

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

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

Out: -153.653+/-161.525 χ^2/NDF:28.6/37

All: -257.249+/-114.718 χ^2/NDF: 55.3/72



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

Left Out: 776.637+/-0.138 χ^2/NDF:1454.8/19

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

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

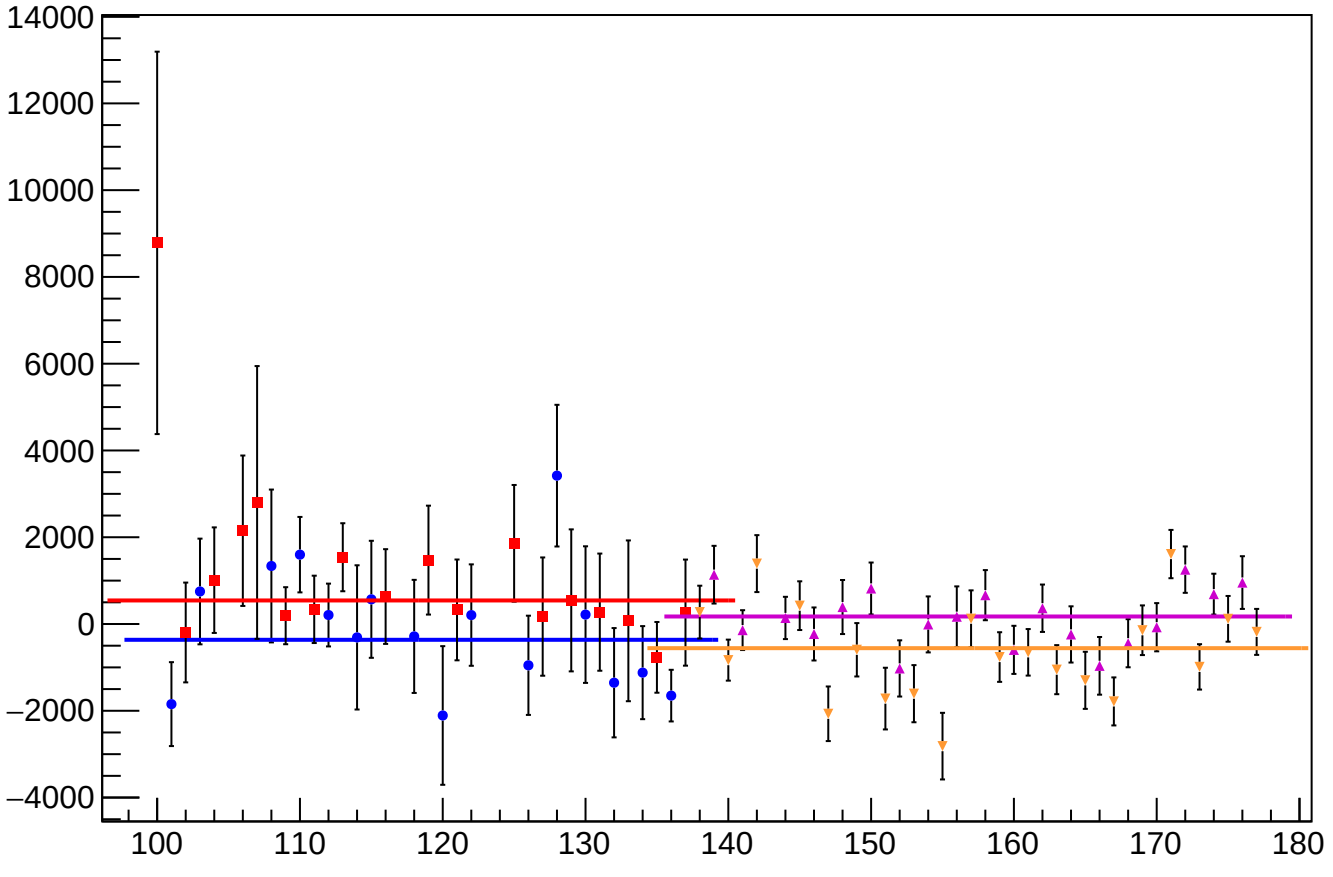
Left: 777.092+/-0.098 χ^2/NDF: 4108.0/38

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

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

Out: 778.500+/-0.114 χ^2/NDF:9518.1/37

All: 778.174+/-0.081 χ^2/NDF: 23974.1/72



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

Left Out: -556.871+/-130.753 χ^2/NDF:60.4/19

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

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

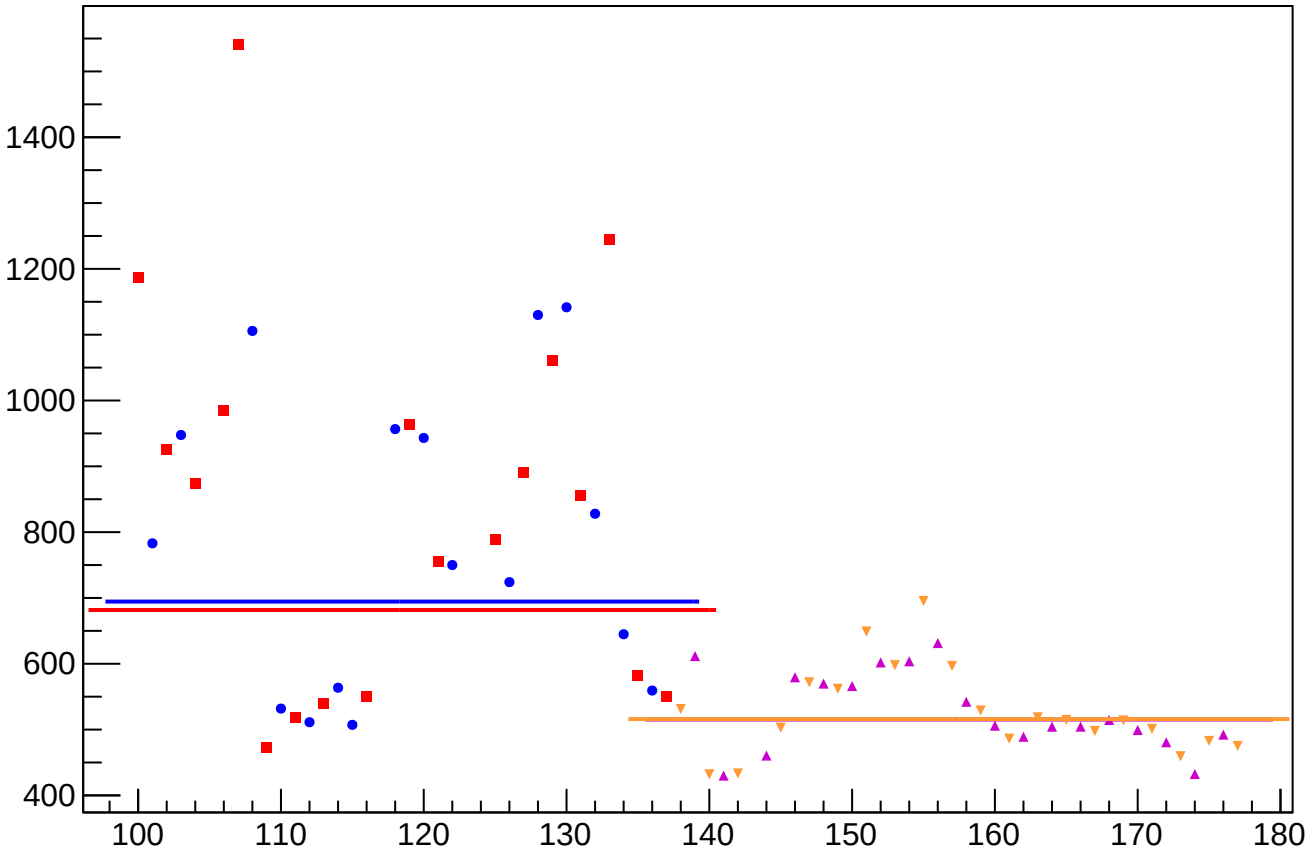
Left: -194.703+/-92.825 χ^2/NDF: 98.2/38

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

In: 69.481+/-118.385 χ^2/NDF:48.8/34

Out: -341.910+/-117.280 χ^2/NDF:86.0/37

All: -138.143+/-83.317 χ^2/NDF: 140.9/72



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

Left Out: 515.920+/-0.092 χ^2/NDF:418574.3/19

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

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

Left: 515.589+/-0.066 χ^2/NDF: 820651.5/38

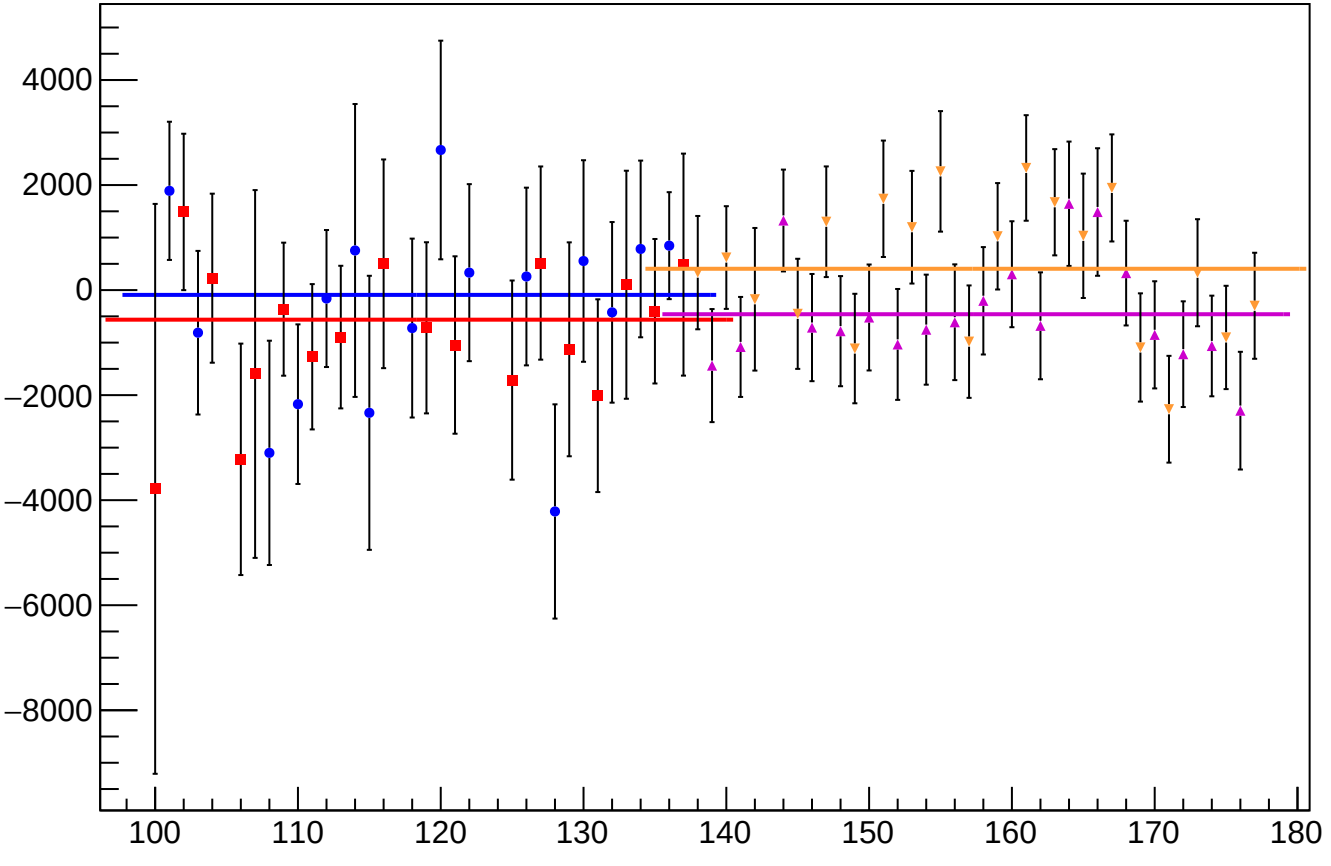
Right: 688.033+/-0.134 χ^2/NDF: 2343525.0/33

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

Out: 548.332+/-0.083 χ^2/NDF:2358654.4/37

All: 549.104+/-0.059 χ^2/NDF: 4505701.4/72

asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 405.989+/-235.715 χ^2/NDF:29.5/19

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

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

Left: -22.504+/-167.488 χ^2/NDF: 52.2/38

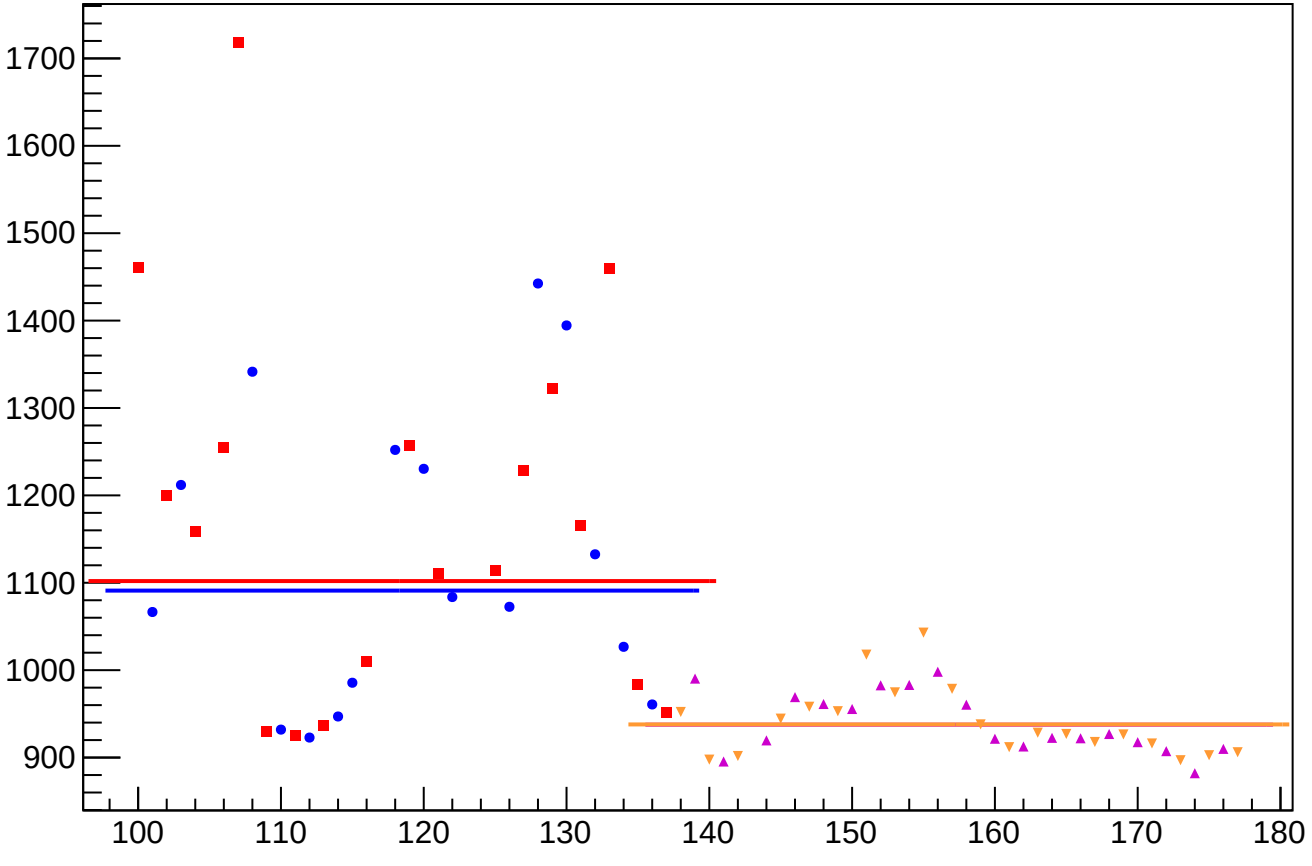
Right: -326.374+/-290.450 χ^2/NDF: 21.7/33

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

Out: 166.578+/-204.543 χ^2/NDF:40.2/37

All: -98.333+/-145.093 χ^2/NDF: 74.7/72

asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 937.908+/-0.167 χ^2/NDF:50194.0/19

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

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

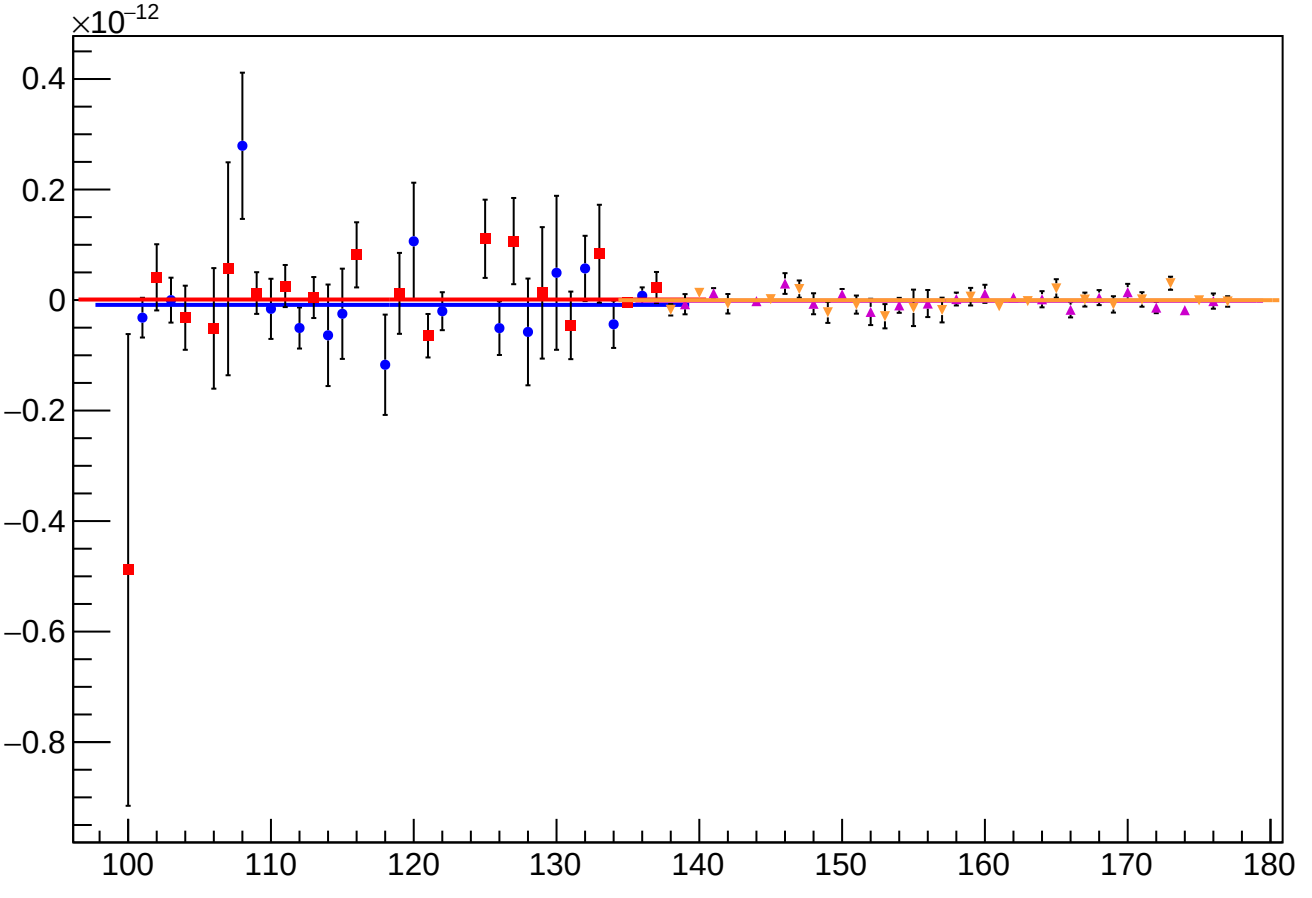
Left: 937.755+/-0.118 χ^2/NDF: 90728.2/38

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

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

Out: 978.426+/-0.145 χ^2/NDF:617565.7/37

All: 977.363+/-0.103 χ^2/NDF: 1145050.9/72



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

Left Out: -0.000+/-0.000 χ^2/NDF:22.7/19

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

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

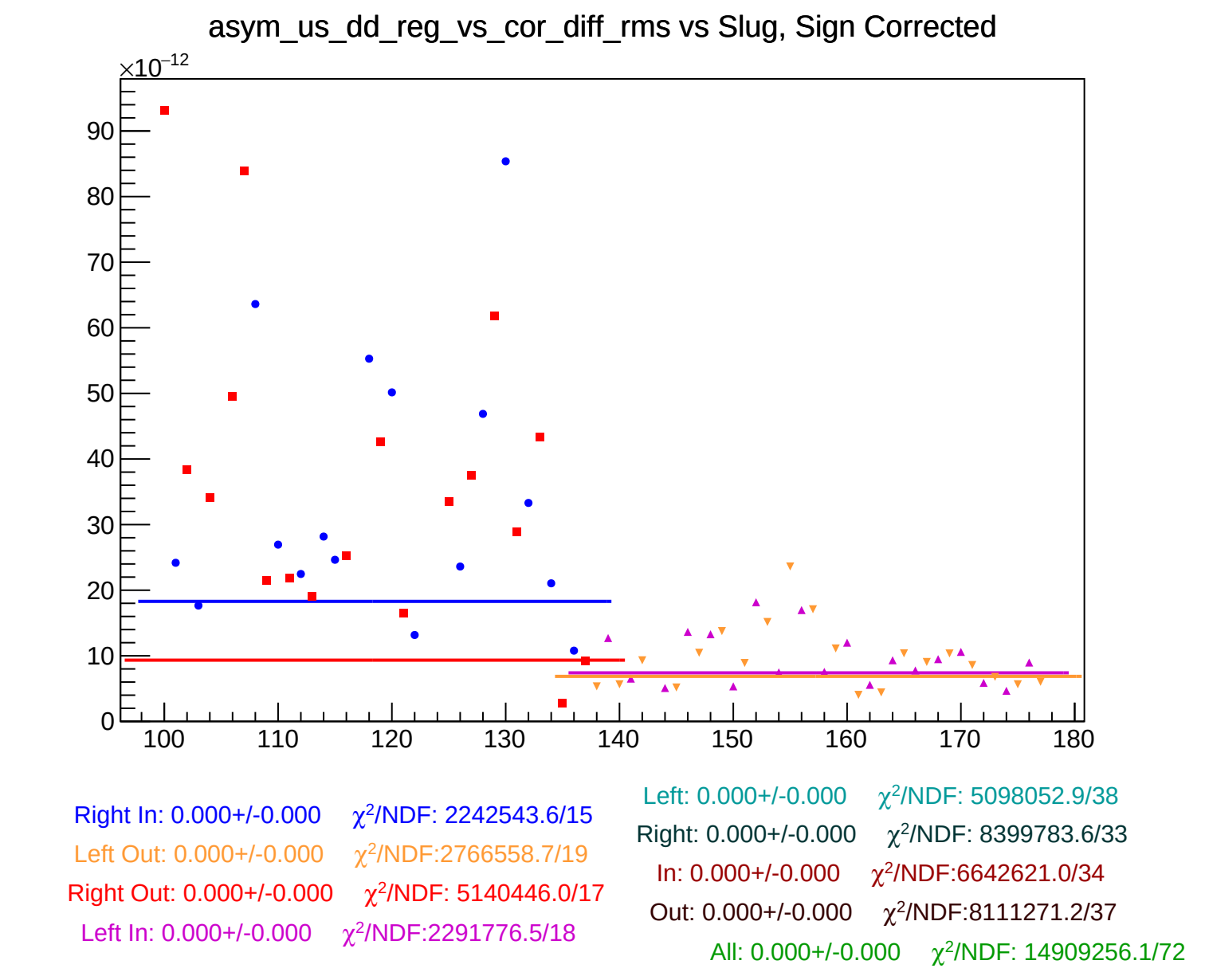
Left: -0.000+/-0.000 χ^2/NDF: 40.4/38

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

In: -0.000+/-0.000 χ^2/NDF:32.0/34

Out: -0.000+/-0.000 χ^2/NDF:37.0/37

All: -0.000+/-0.000 χ^2/NDF: 69.2/72


asym_us_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
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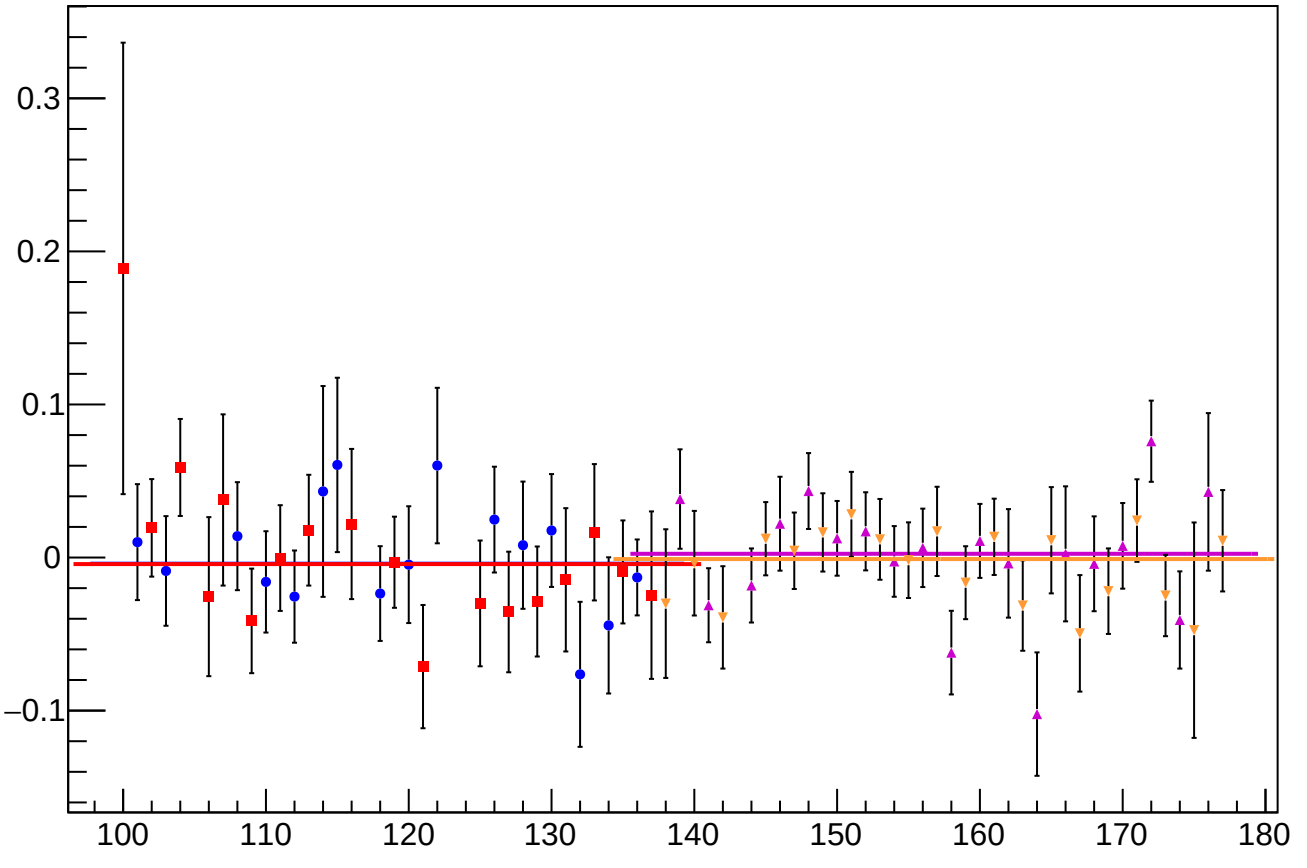
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2242543.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2766558.7/19
Right Out: 0.000+/-0.000 χ²/NDF: 5140446.0/17
Left In: 0.000+/-0.000 χ²/NDF:2291776.5/18
Left: 0.000+/-0.000 χ²/NDF: 5098052.9/38
Right: 0.000+/-0.000 χ²/NDF: 8399783.6/33
In: 0.000+/-0.000 χ²/NDF:6642621.0/34
Out: 0.000+/-0.000 χ²/NDF:8111271.2/37
All: 0.000+/-0.000 χ²/NDF: 14909256.1/72



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

Left Out: -0.001+/-0.006 χ^2/NDF:10.6/19

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

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

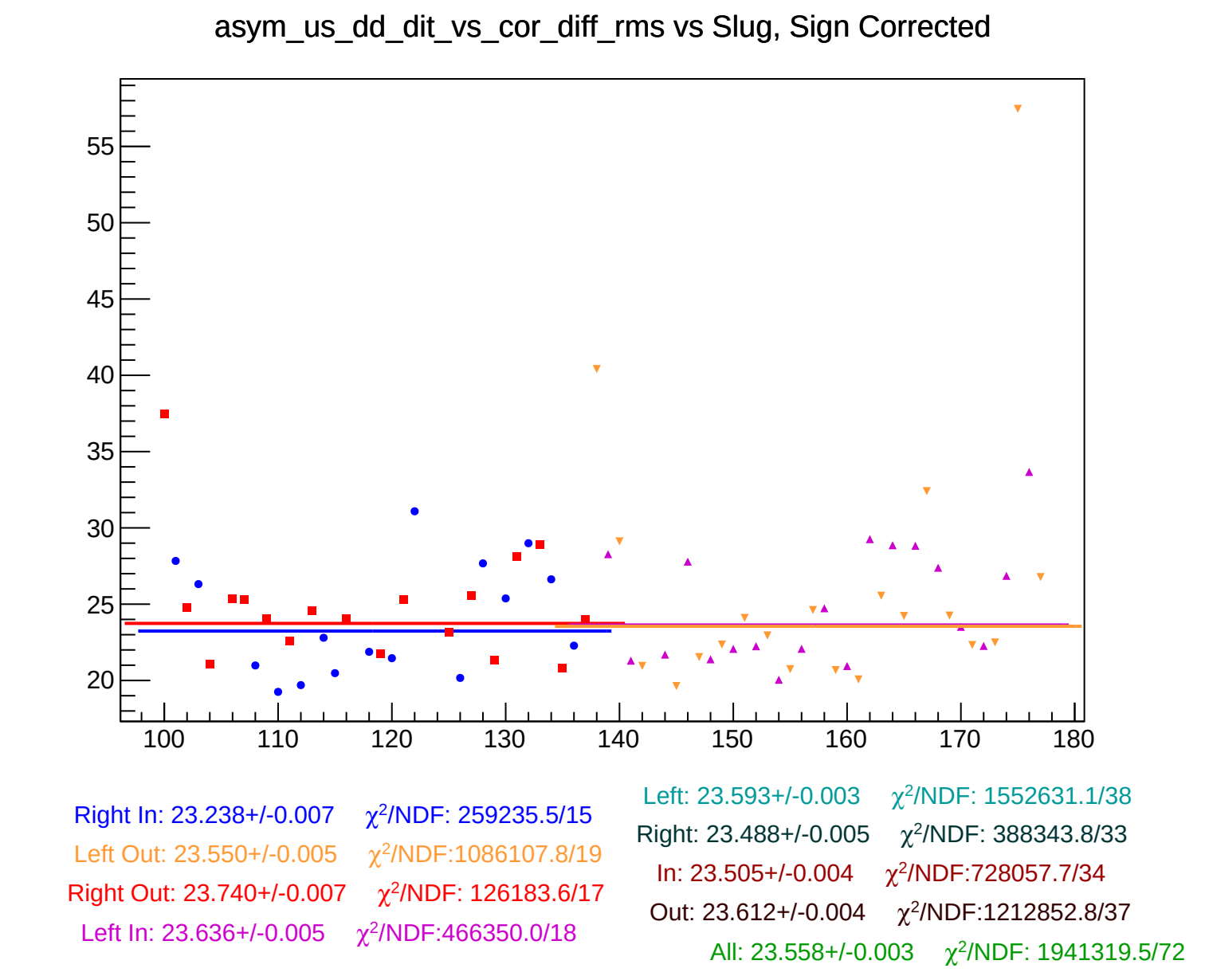
Left: 0.001+/-0.005 χ^2/NDF: 41.1/38

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

In: 0.000+/-0.005 χ^2/NDF:39.9/34

Out: -0.002+/-0.005 χ^2/NDF:24.2/37

All: -0.001+/-0.004 χ^2/NDF: 64.1/72


asym_us_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
55
50
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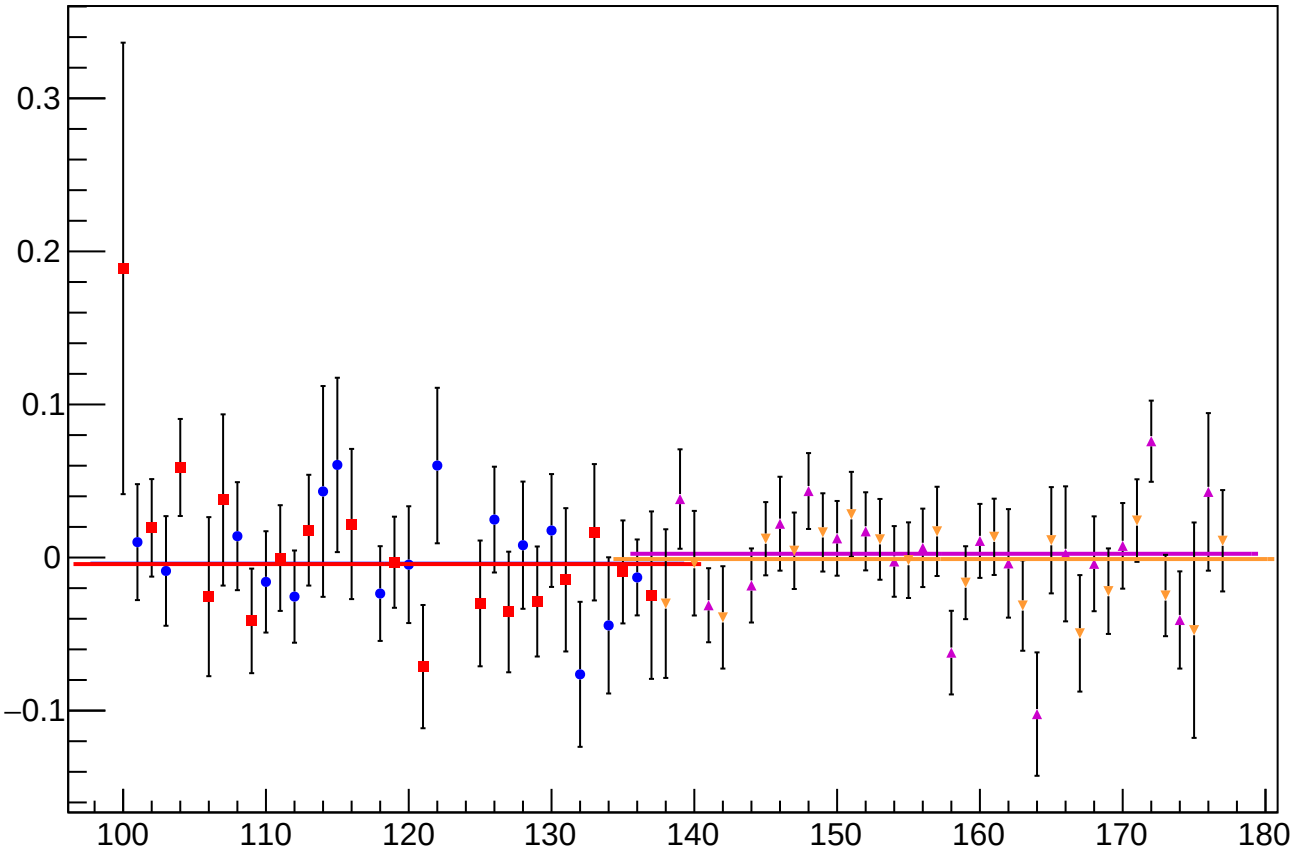
170
180
Right In: 23.238+/-0.007 χ²/NDF: 259235.5/15
Left Out: 23.550+/-0.005 χ²/NDF:1086107.8/19
Right Out: 23.740+/-0.007 χ²/NDF: 126183.6/17
Left In: 23.636+/-0.005 χ²/NDF:466350.0/18
Left: 23.593+/-0.003 χ²/NDF: 1552631.1/38
Right: 23.488+/-0.005 χ²/NDF: 388343.8/33
In: 23.505+/-0.004 χ²/NDF:728057.7/34
Out: 23.612+/-0.004 χ²/NDF:1212852.8/37
All: 23.558+/-0.003 χ²/NDF: 1941319.5/72



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

Left Out: -0.001+/-0.006 χ^2/NDF:10.6/19

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

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

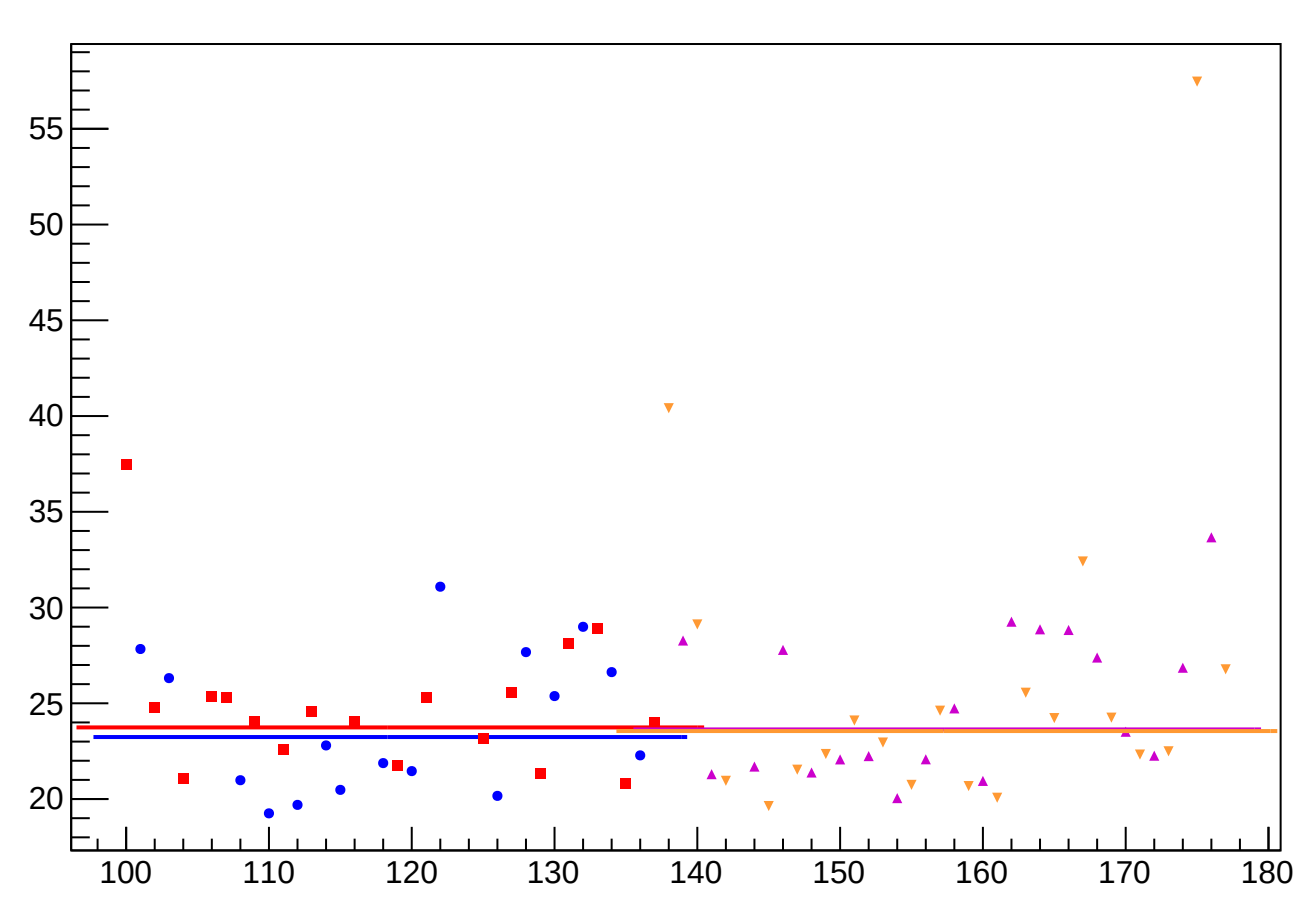
Left: 0.001+/-0.005 χ^2/NDF: 41.1/38

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

In: 0.000+/-0.005 χ^2/NDF:39.9/34

Out: -0.002+/-0.005 χ^2/NDF:24.2/37

All: -0.001+/-0.004 χ^2/NDF: 64.1/72



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

Left Out: 23.550+/-0.005 χ^2/NDF:1086107.8/19

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

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

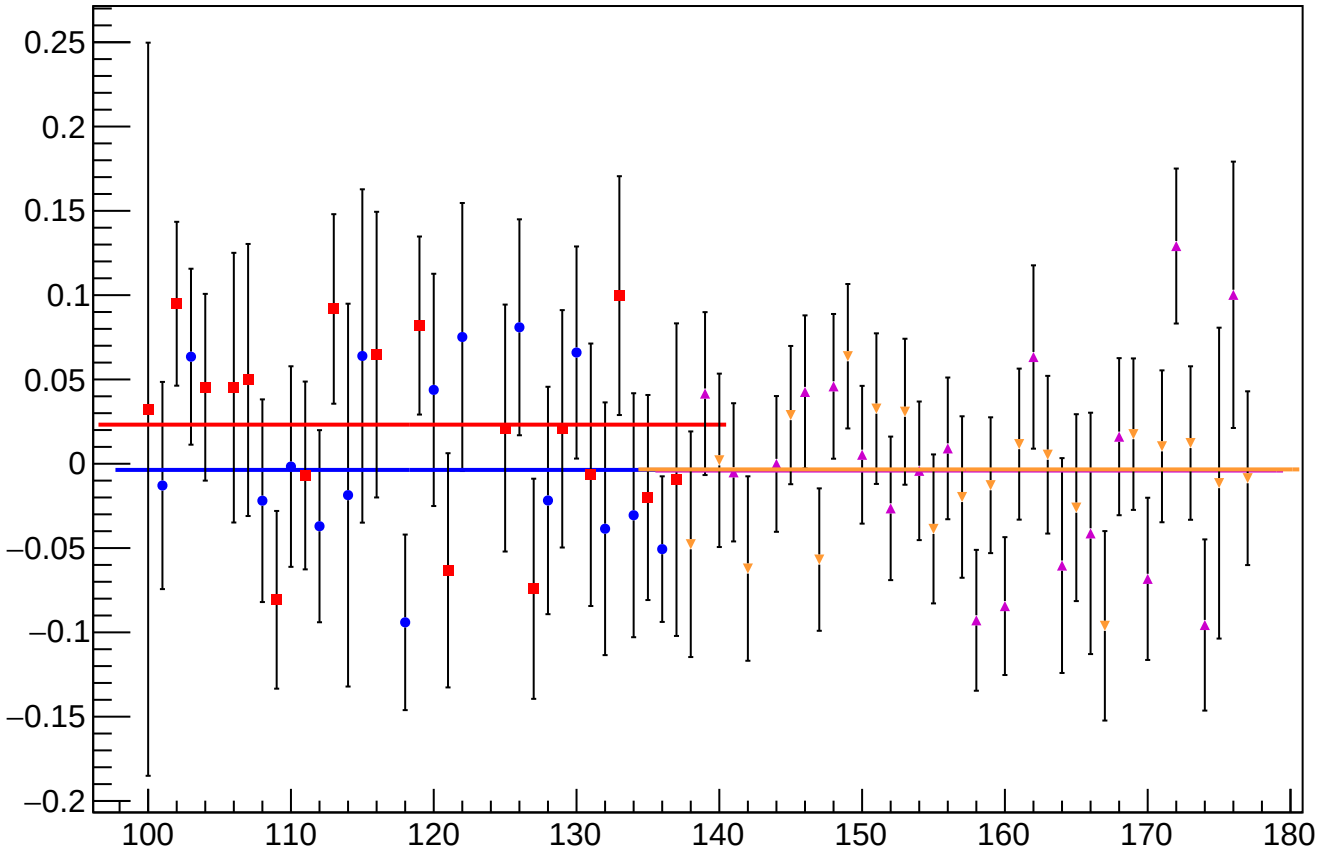
Left: 23.593+/-0.003 χ^2/NDF: 1552631.1/38

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

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

Out: 23.612+/-0.004 χ^2/NDF:1212852.8/37

All: 23.558+/-0.003 χ^2/NDF: 1941319.5/72



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

Left Out: -0.003+/-0.011 χ^2/NDF:11.9/19

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

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

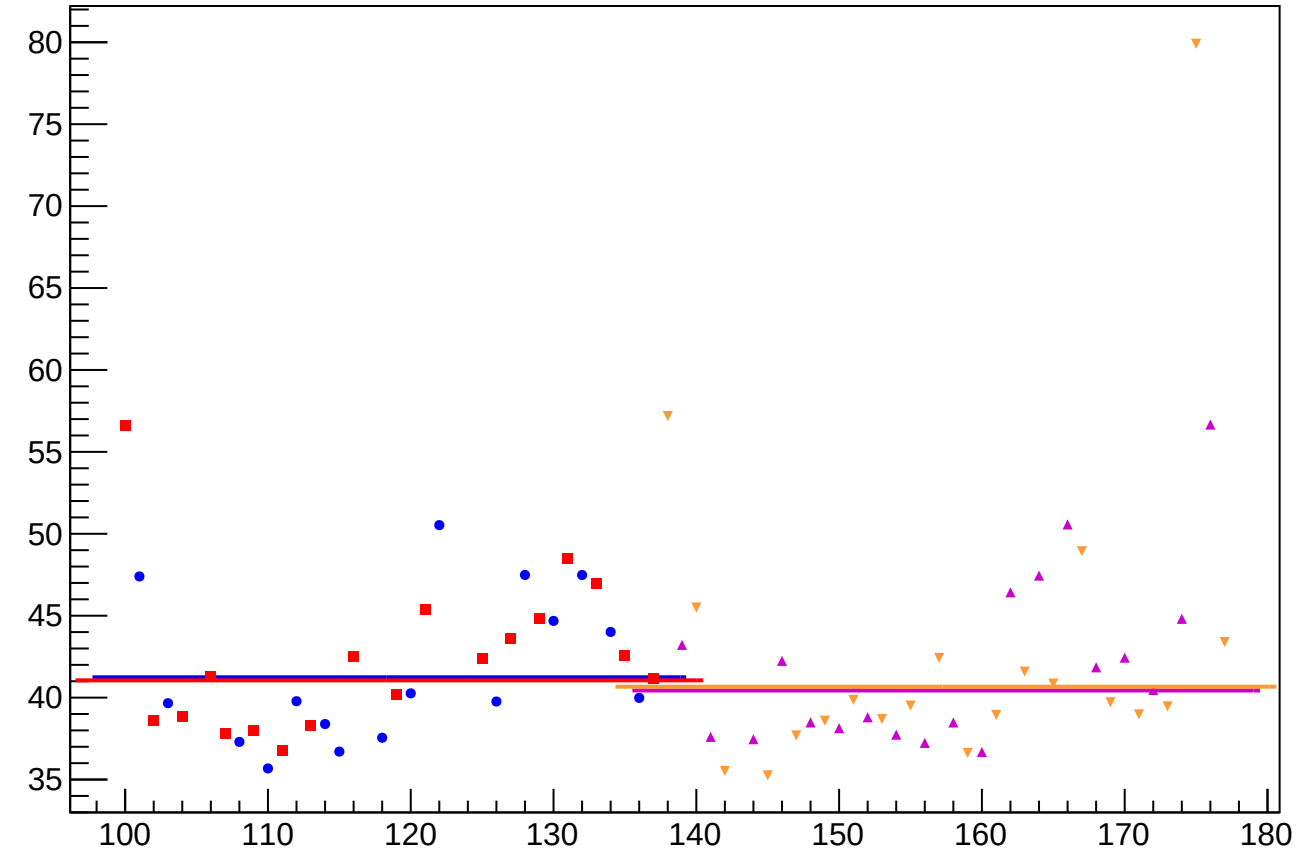
Left: -0.004+/-0.008 χ^2/NDF: 41.9/38

Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.004+/-0.009 χ^2/NDF:41.7/34

Out: 0.005+/-0.009 χ^2/NDF:29.2/37

All: 0.001+/-0.006 χ^2/NDF: 71.5/72



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

Left Out: 40.668+/-0.008 χ^2/NDF:655867.5/19

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

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

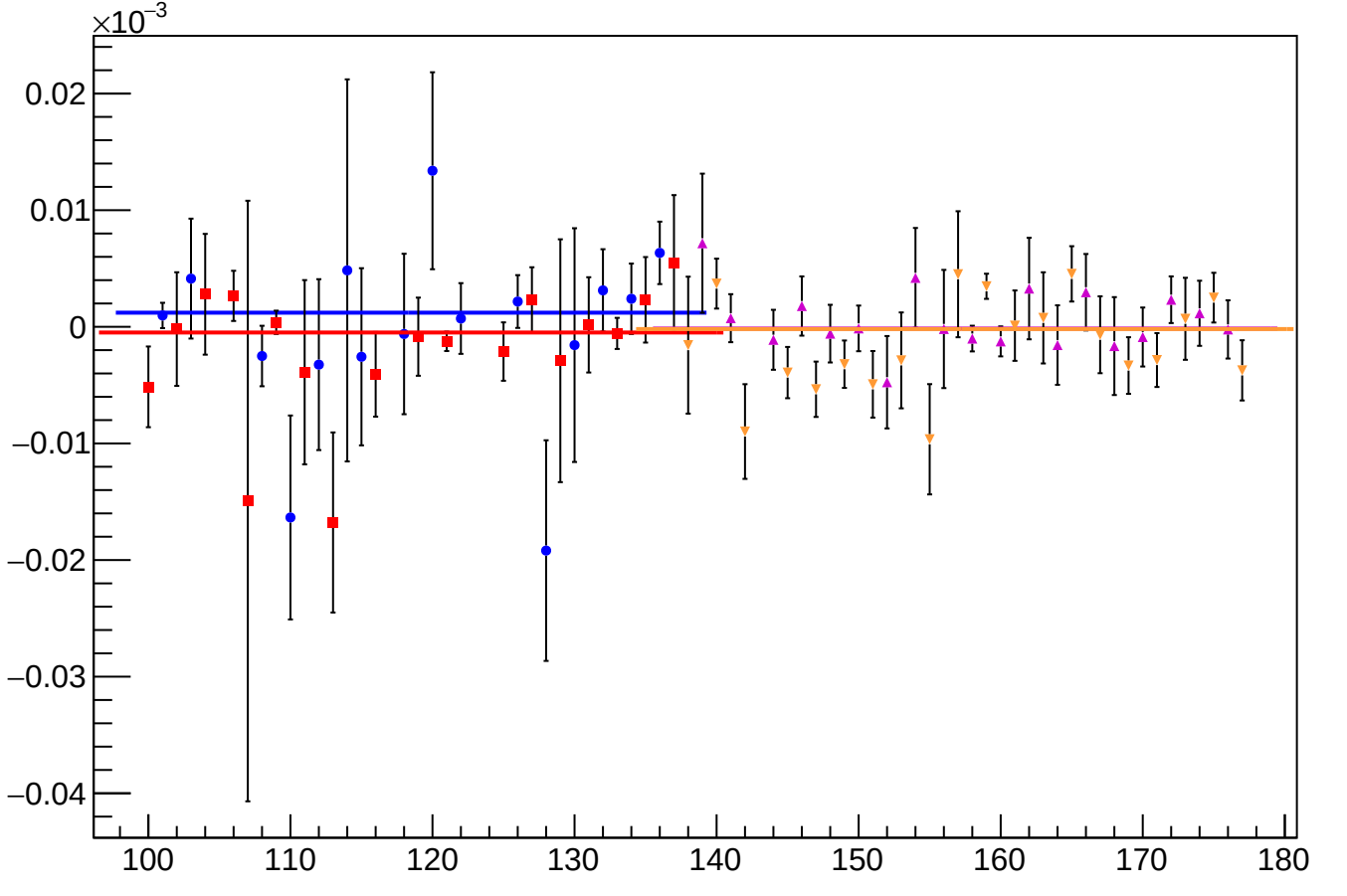
Left: 40.551+/-0.005 χ^2/NDF: 934666.1/38

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

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

Out: 40.792+/-0.006 χ^2/NDF:753274.0/37

All: 40.740+/-0.004 χ^2/NDF: 1170616.6/72



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

Left Out: -0.000+/-0.000 χ^2/NDF:48.0/19

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

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

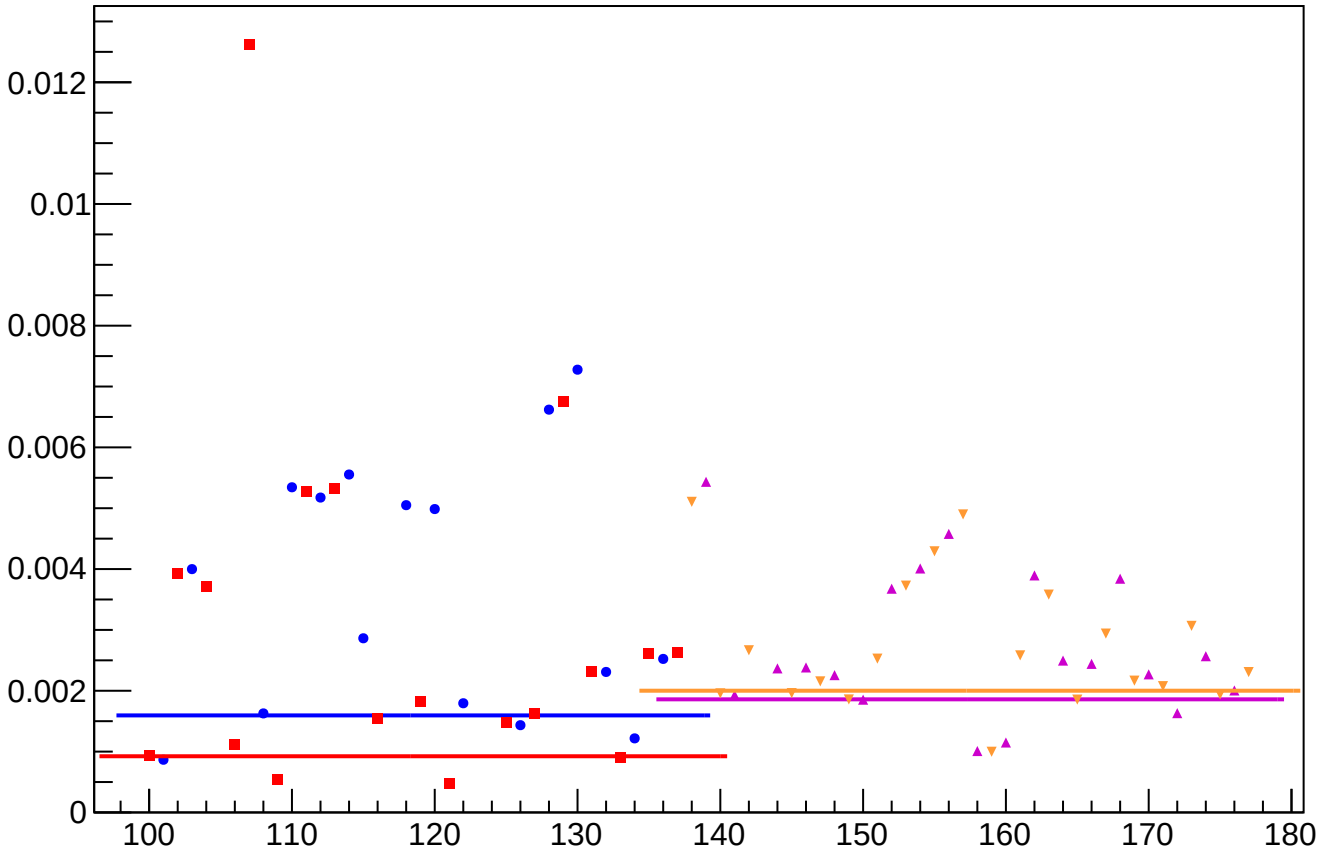
Left: -0.000+/-0.000 χ^2/NDF: 57.8/38

Right: 0.000+/-0.000 χ^2/NDF: 36.9/33

In: 0.000+/-0.000 χ^2/NDF:30.4/34

Out: -0.000+/-0.000 χ^2/NDF:63.1/37

All: -0.000+/-0.000 χ^2/NDF: 94.8/72



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

Left Out: 0.002+/-0.000 χ^2/NDF:4623780.3/19

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

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

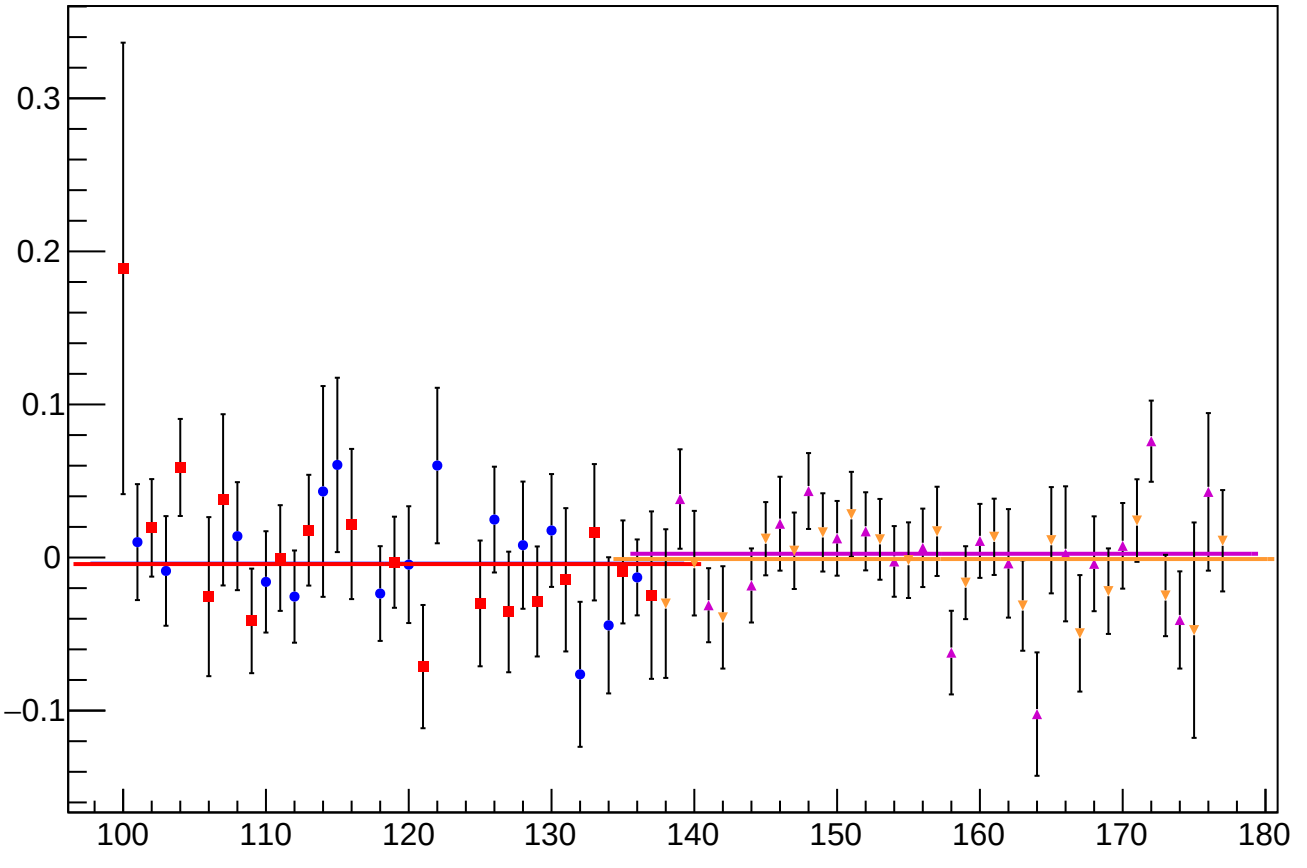
Left: 0.002+/-0.000 χ^2/NDF: 10162159.1/38

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

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

Out: 0.001+/-0.000 χ^2/NDF:14627678.4/37

All: 0.002+/-0.000 χ^2/NDF: 25840146.6/72



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

Left Out: -0.001+/-0.006 χ^2/NDF:10.6/19

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

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

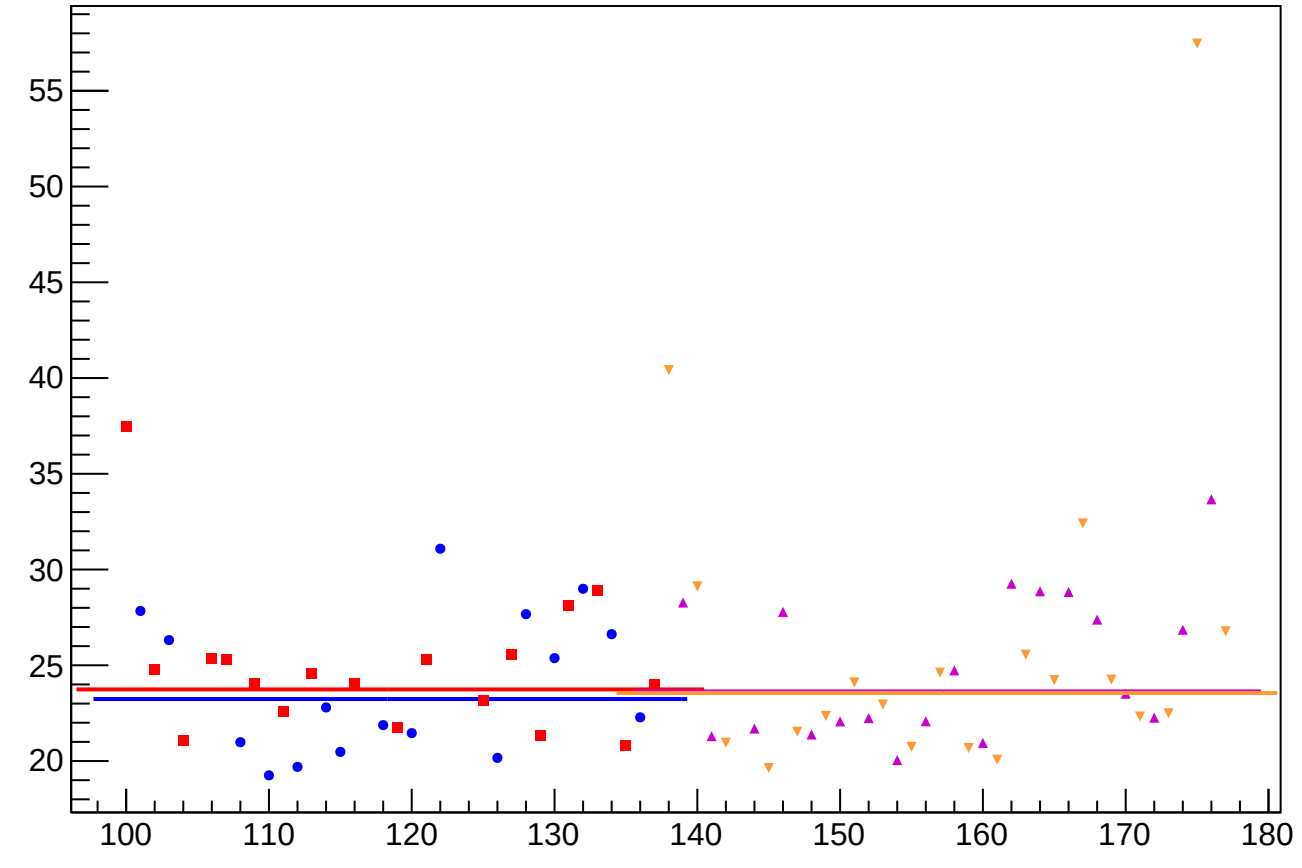
Left: 0.001+/-0.005 χ^2/NDF: 41.1/38

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

In: 0.000+/-0.005 χ^2/NDF:39.9/34

Out: -0.002+/-0.005 χ^2/NDF:24.2/37

All: -0.001+/-0.004 χ^2/NDF: 64.1/72



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

Left Out: 23.550+/-0.005 χ^2/NDF:1086118.4/19

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

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

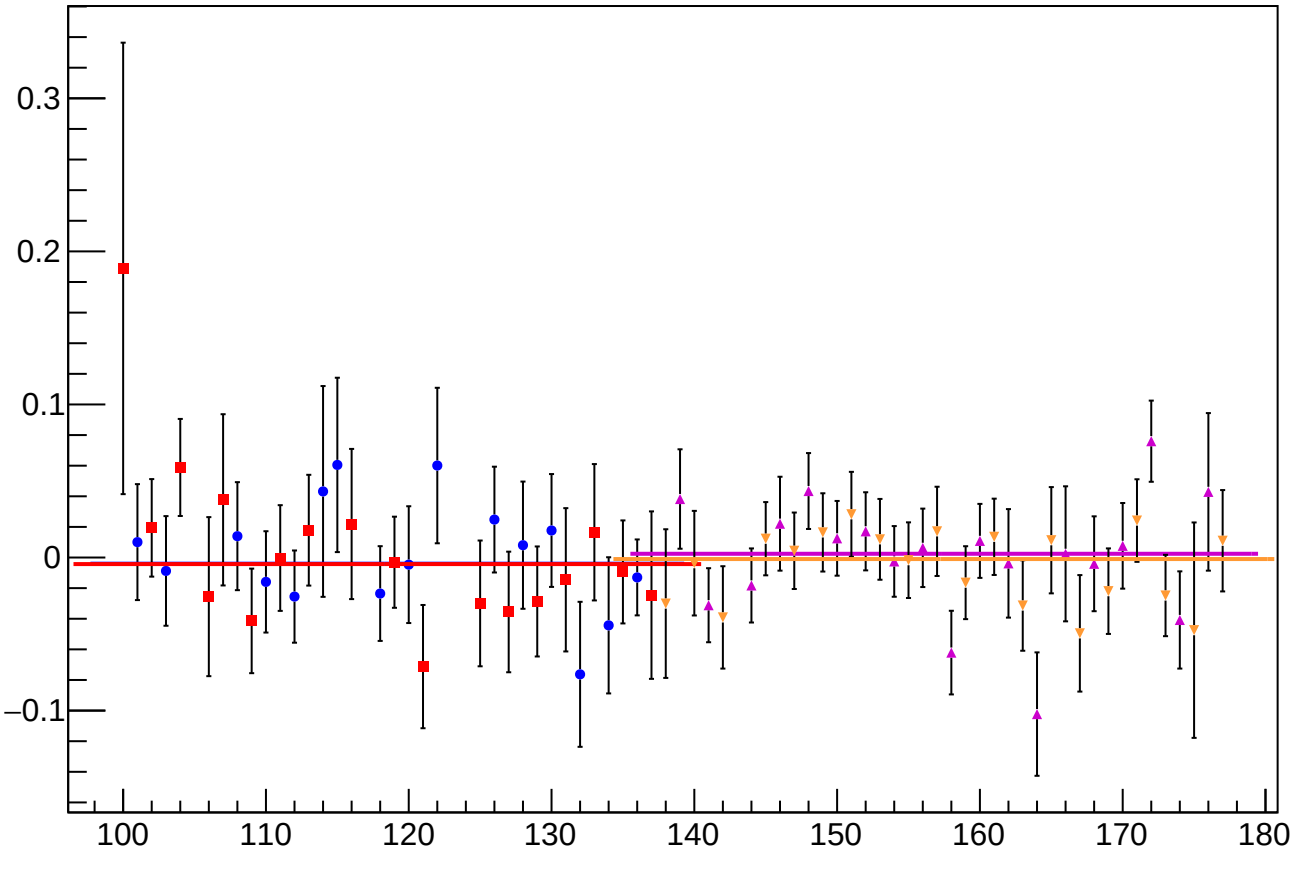
Left: 23.593+/-0.003 χ^2/NDF: 1552582.3/38

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

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

Out: 23.612+/-0.004 χ^2/NDF:1212813.9/37

All: 23.558+/-0.003 χ^2/NDF: 1941221.6/72



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

Left Out: -0.001+/-0.006 χ^2/NDF:10.6/19

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

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

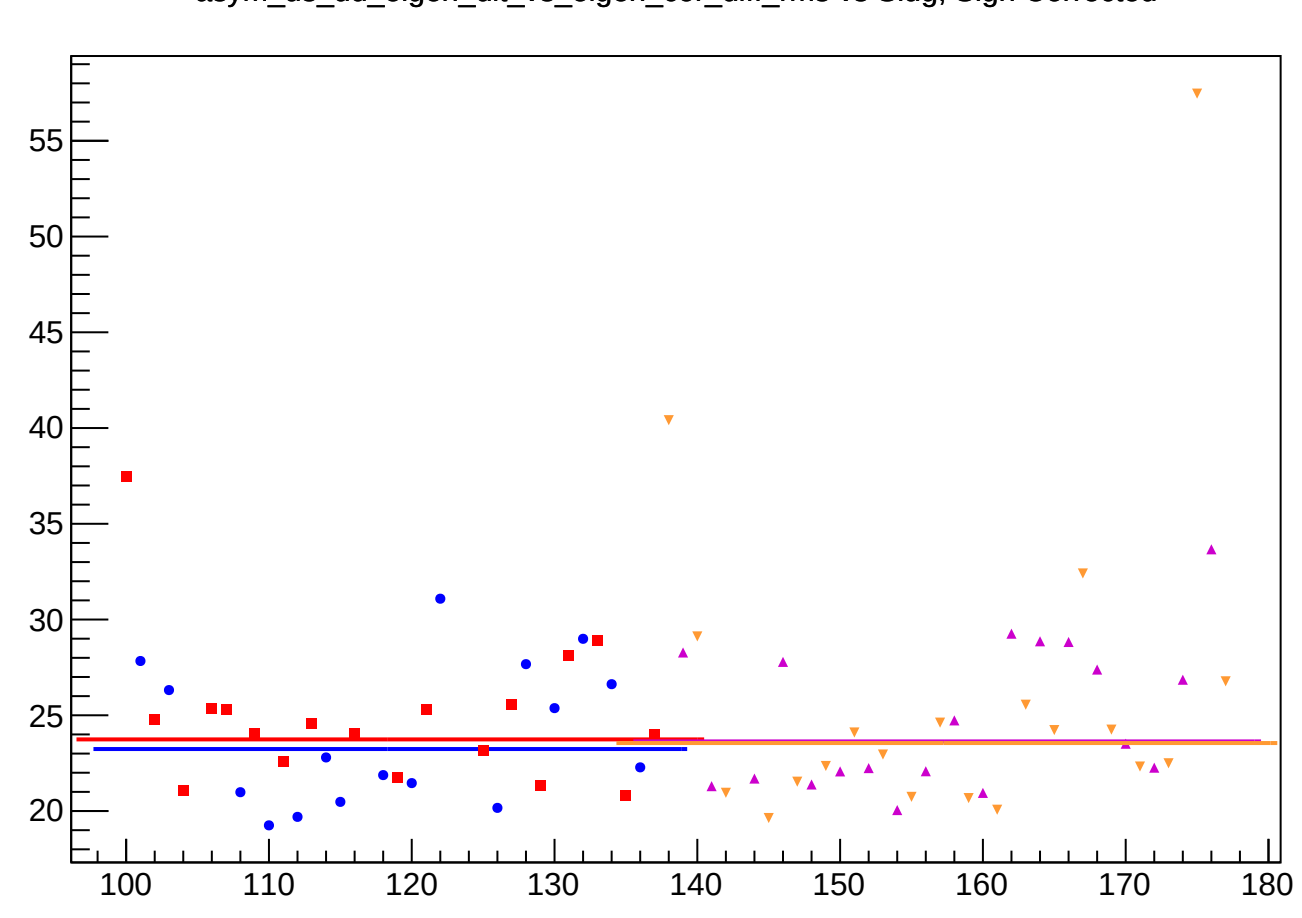
Left: 0.001+/-0.005 χ^2/NDF: 41.1/38

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

In: 0.000+/-0.005 χ^2/NDF:39.9/34

Out: -0.002+/-0.005 χ^2/NDF:24.2/37

All: -0.001+/-0.004 χ^2/NDF: 64.1/72



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

Left Out: 23.550+/-0.005 χ^2/NDF:1086118.4/19

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

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

Left: 23.593+/-0.003 χ^2/NDF: 1552582.3/38

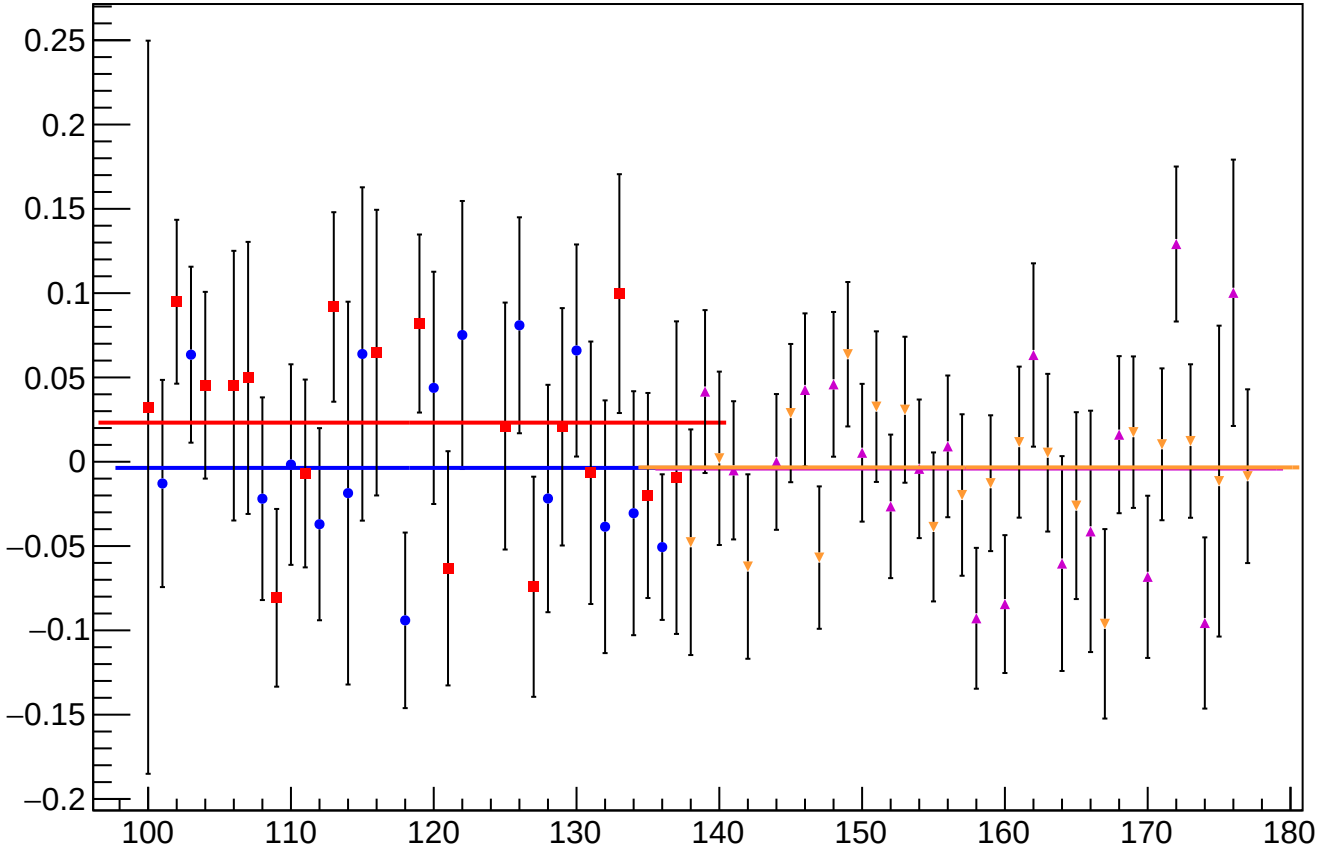
Right: 23.487+/-0.005 χ^2/NDF: 388292.2/33

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

Out: 23.612+/-0.004 χ^2/NDF:1212813.9/37

All: 23.558+/-0.003 χ^2/NDF: 1941221.6/72

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:11.9/19

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

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

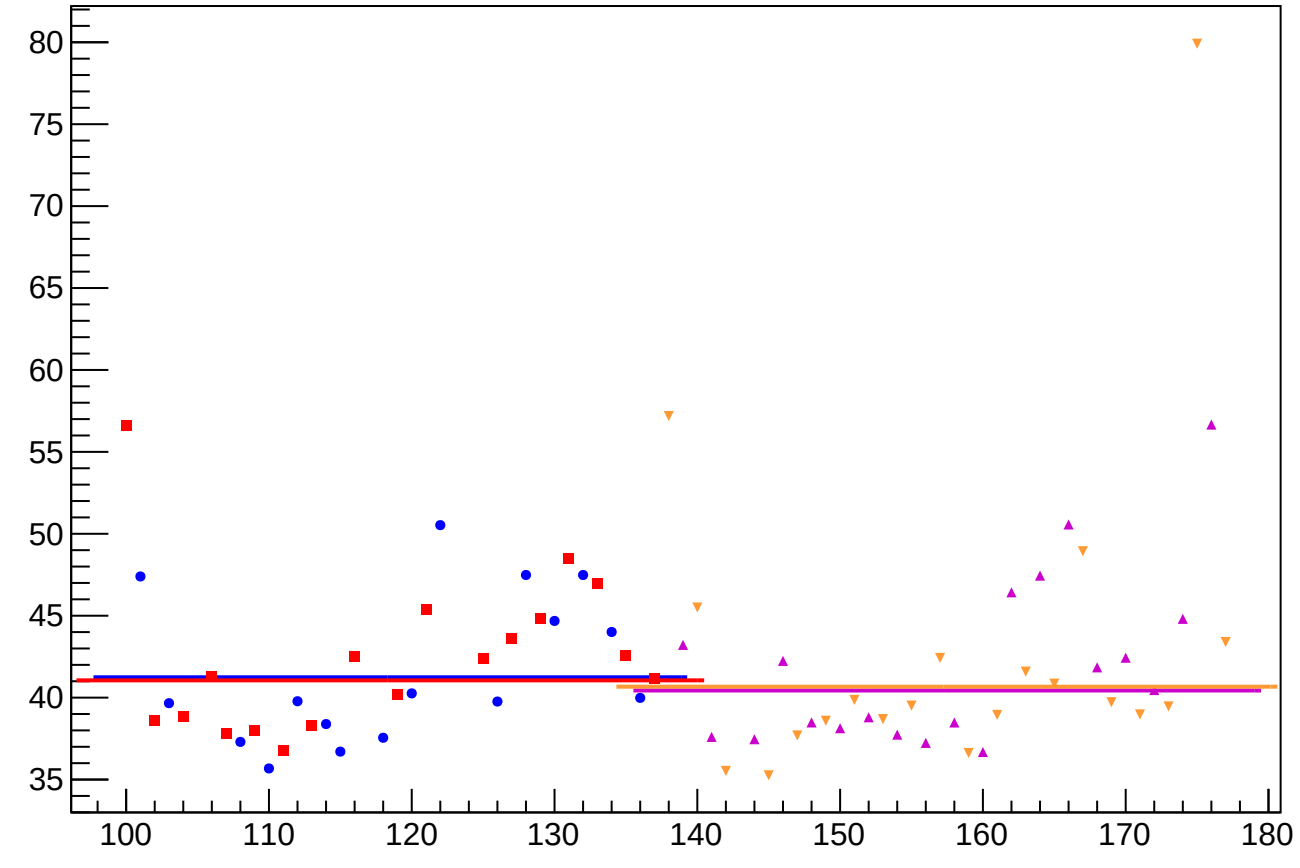
Left: -0.004+/-0.008 χ^2/NDF: 41.9/38

Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.004+/-0.009 χ^2/NDF:41.7/34

Out: 0.005+/-0.009 χ^2/NDF:29.2/37

All: 0.001+/-0.006 χ^2/NDF: 71.5/72



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

Left Out: 40.668+/-0.008 χ^2/NDF:655866.3/19

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

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

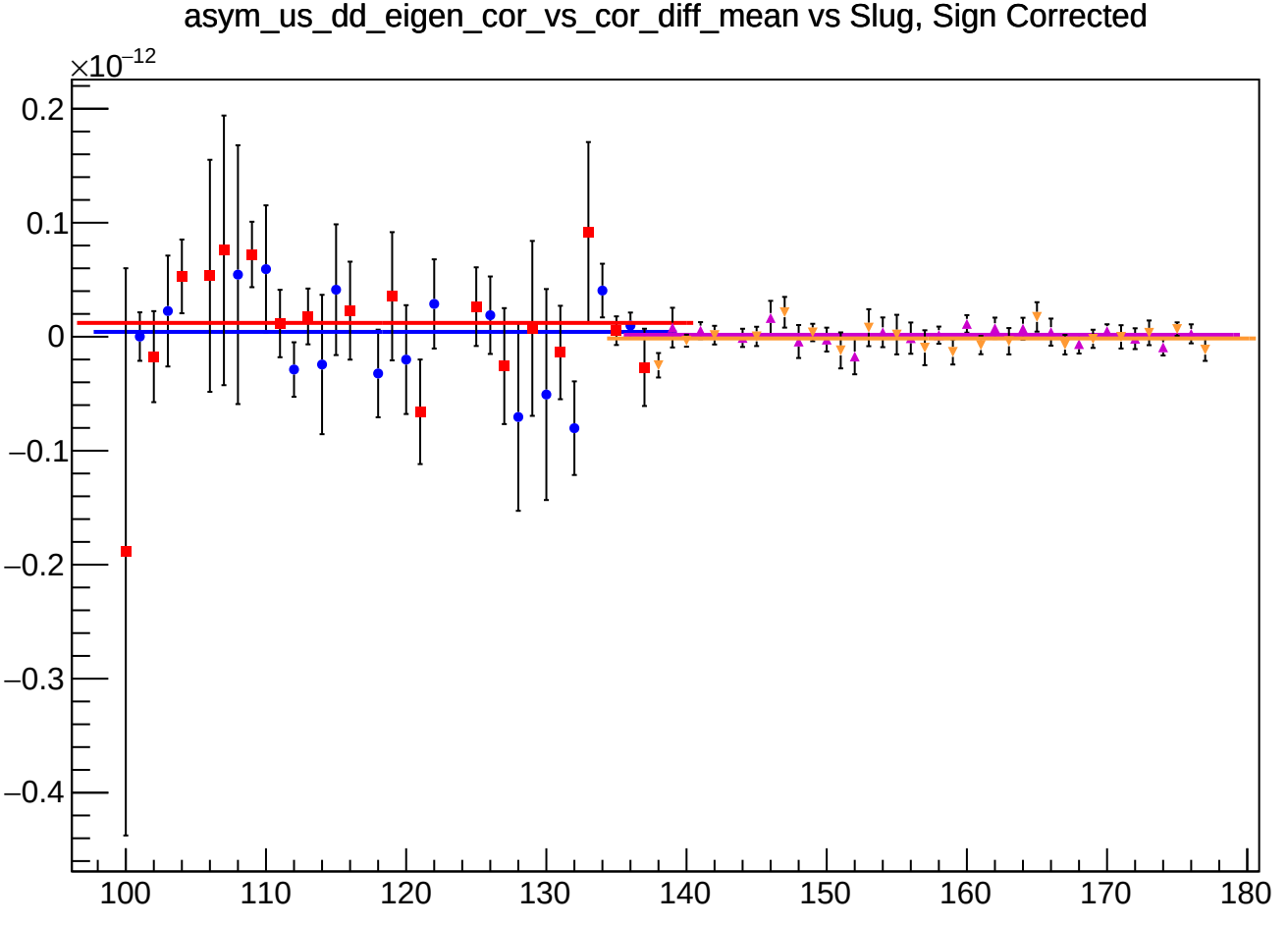
Left: 40.552+/-0.005 χ^2/NDF: 934667.0/38

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

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

Out: 40.792+/-0.006 χ^2/NDF:753261.4/37

All: 40.740+/-0.004 χ^2/NDF: 1170580.9/72



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

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/19

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

Left In: 0.000+/-0.000 χ^2/NDF:9.3/18

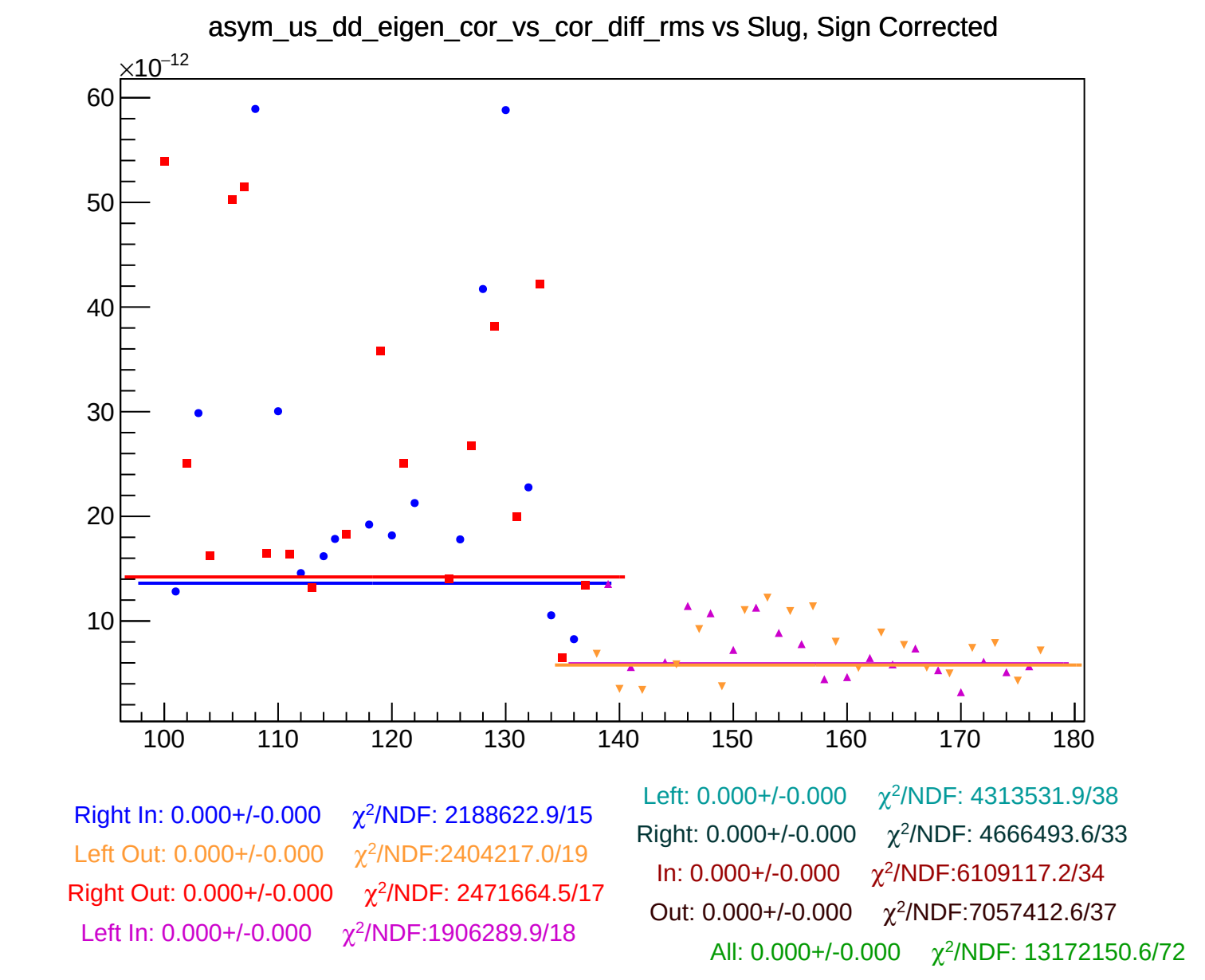
Left: 0.000+/-0.000 χ^2/NDF: 27.5/38

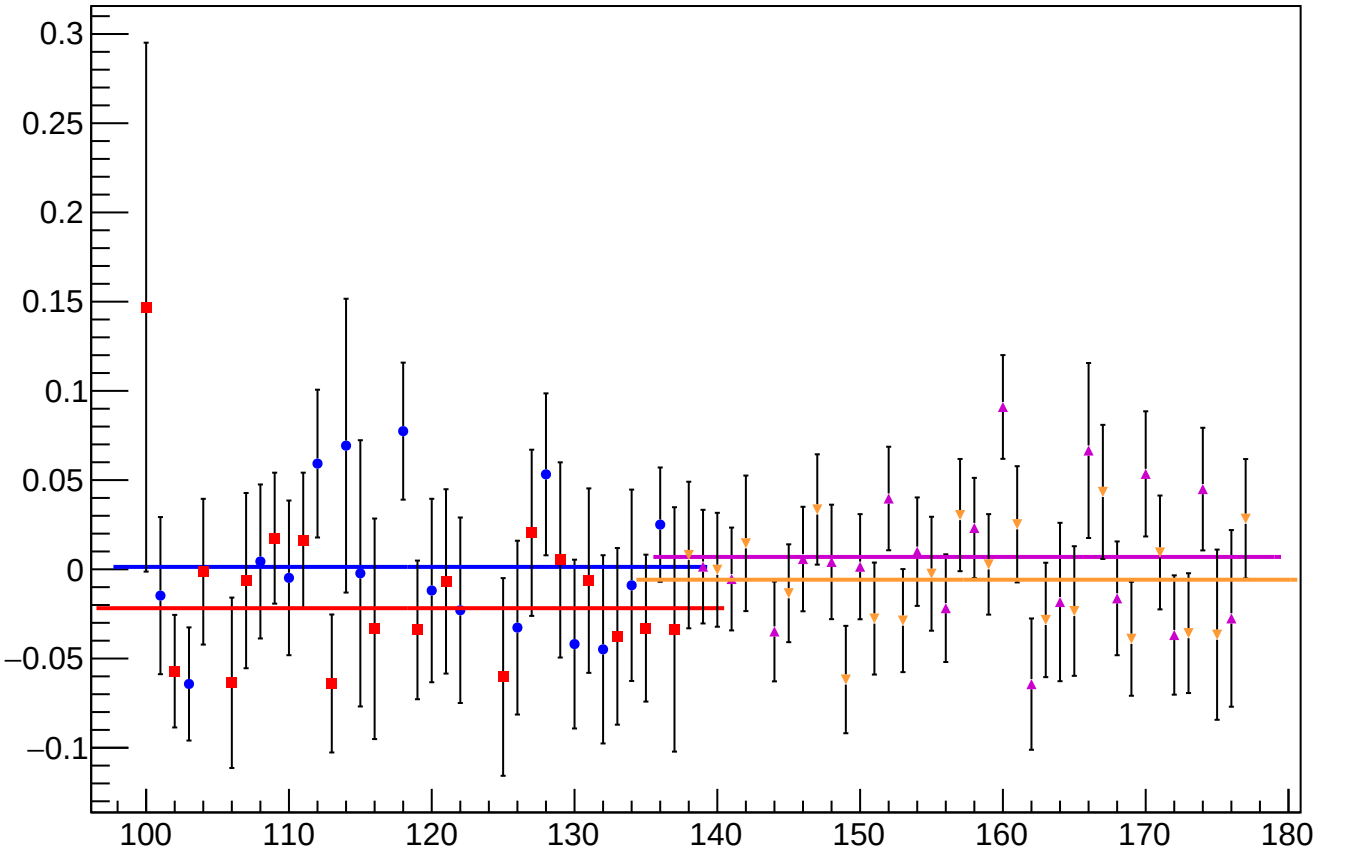
Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: 0.000+/-0.000 χ^2/NDF:23.1/34

Out: -0.000+/-0.000 χ^2/NDF:34.4/37

All: 0.000+/-0.000 χ^2/NDF: 58.3/72


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:2404217.0/19
Right Out: 0.000+/-0.000 χ²/NDF: 2471664.5/17
Left In: 0.000+/-0.000 χ²/NDF:1906289.9/18
Left: 0.000+/-0.000 χ²/NDF: 4313531.9/38
Right: 0.000+/-0.000 χ²/NDF: 4666493.6/33
In: 0.000+/-0.000 χ²/NDF:6109117.2/34
Out: 0.000+/-0.000 χ²/NDF:7057412.6/37
All: 0.000+/-0.000 χ²/NDF: 13172150.6/72



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

Left Out: -0.006+/-0.007 χ^2/NDF:15.0/19

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

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

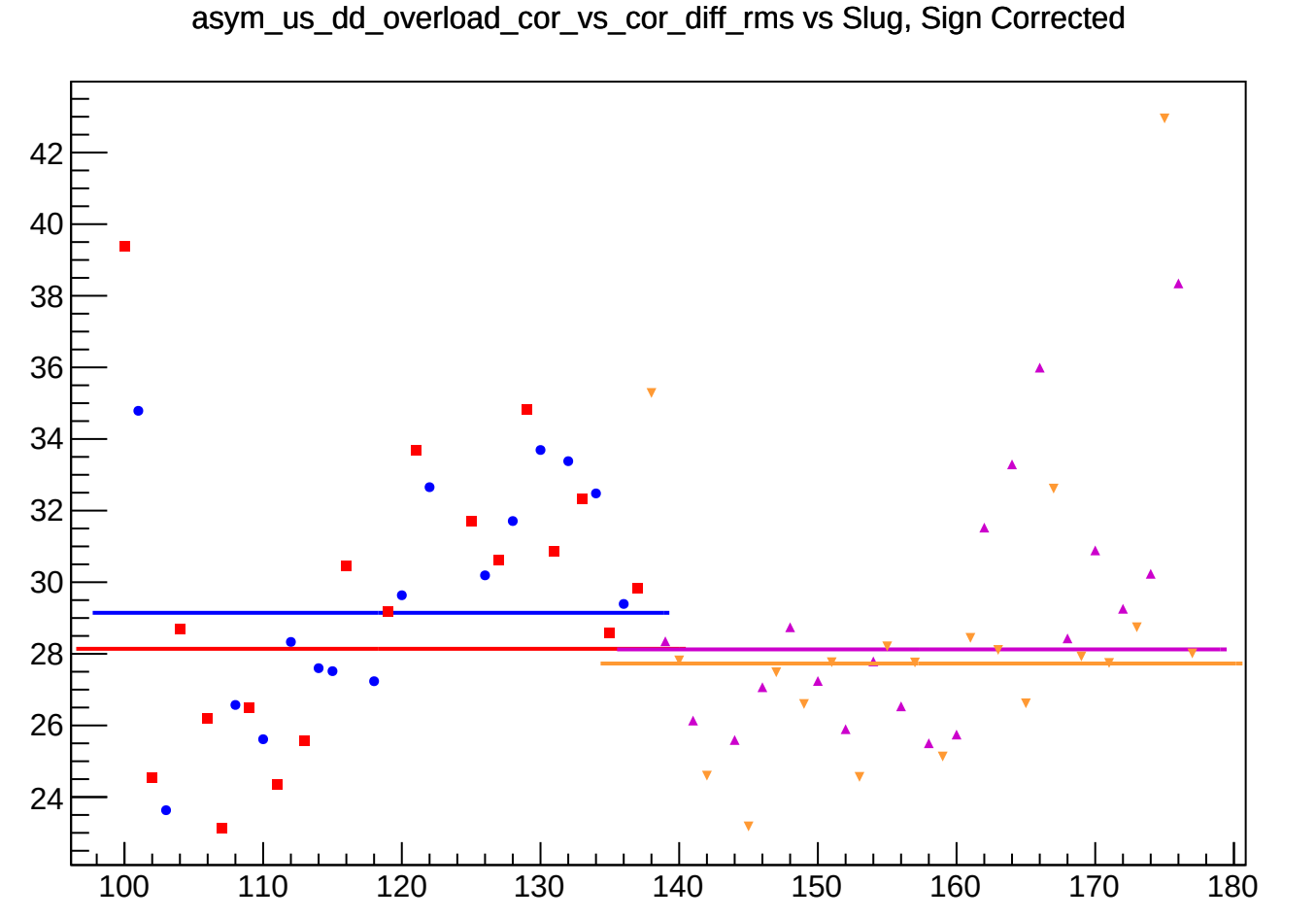
Left: 0.000+/-0.005 χ^2/NDF: 41.2/38

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

In: 0.005+/-0.006 χ^2/NDF:40.1/34

Out: -0.011+/-0.006 χ^2/NDF:25.6/37

All: -0.003+/-0.004 χ^2/NDF: 69.1/72



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

Left Out: 27.730+/-0.005 χ^2/NDF:423603.3/19

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

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

Left: 27.923+/-0.004 χ^2/NDF: 709425.6/38

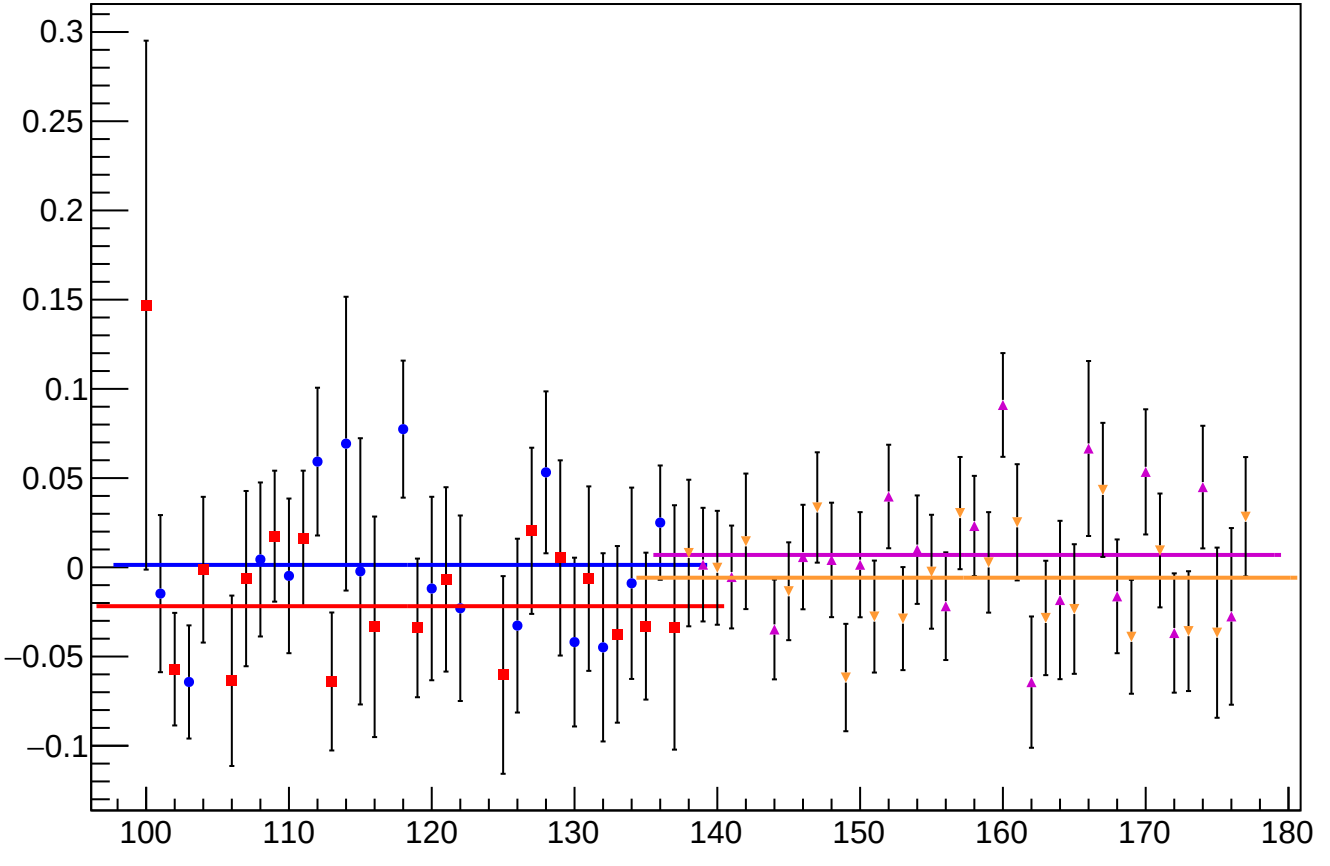
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

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

Out: 27.859+/-0.004 χ^2/NDF:612695.9/37

All: 28.140+/-0.003 χ^2/NDF: 1092974.2/72

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:15.0/19

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

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

Left: 0.000+/-0.005 χ^2/NDF: 41.2/38

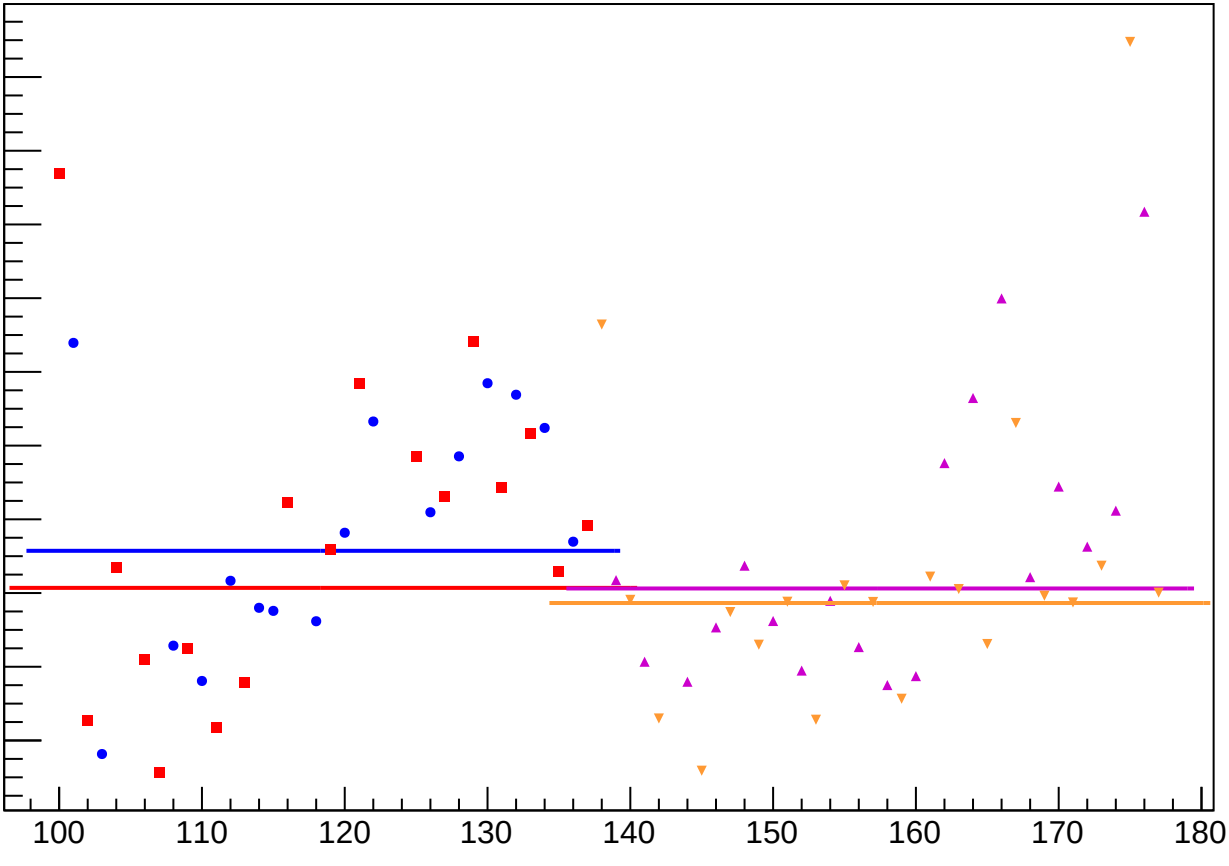
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: 0.005+/-0.006 χ^2/NDF:40.1/34

Out: -0.011+/-0.006 χ^2/NDF:25.6/37

All: -0.003+/-0.004 χ^2/NDF: 69.1/72

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 27.730+/-0.005 χ^2/NDF:423603.3/19

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

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

Left: 27.923+/-0.004 χ^2/NDF: 709425.6/38

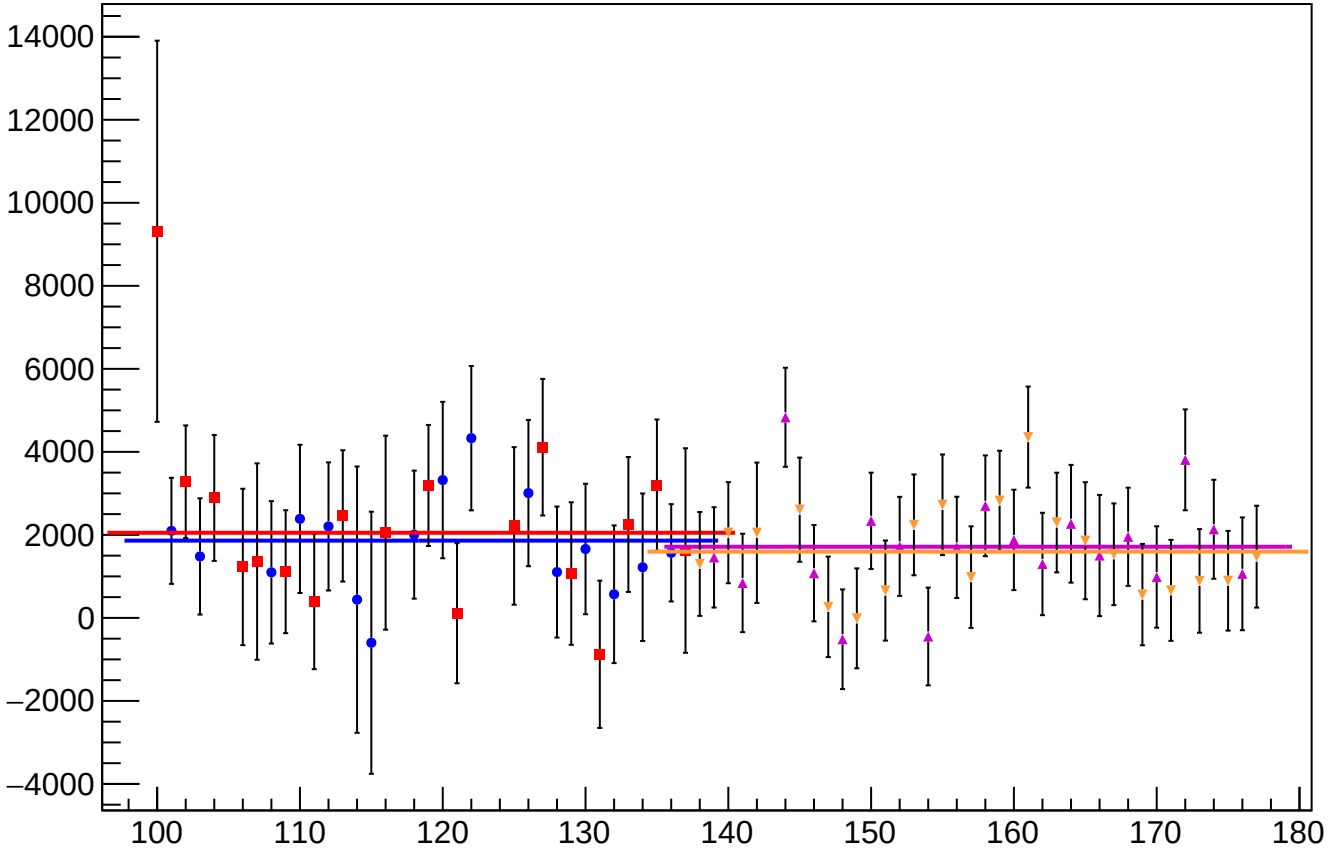
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

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

Out: 27.859+/-0.004 χ^2/NDF:612695.9/37

All: 28.140+/-0.003 χ^2/NDF: 1092974.2/72

reg_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1596.207+/-277.764 χ^2/NDF:14.5/19

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

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

Left: 1654.650+/-197.536 χ^2/NDF: 34.1/38

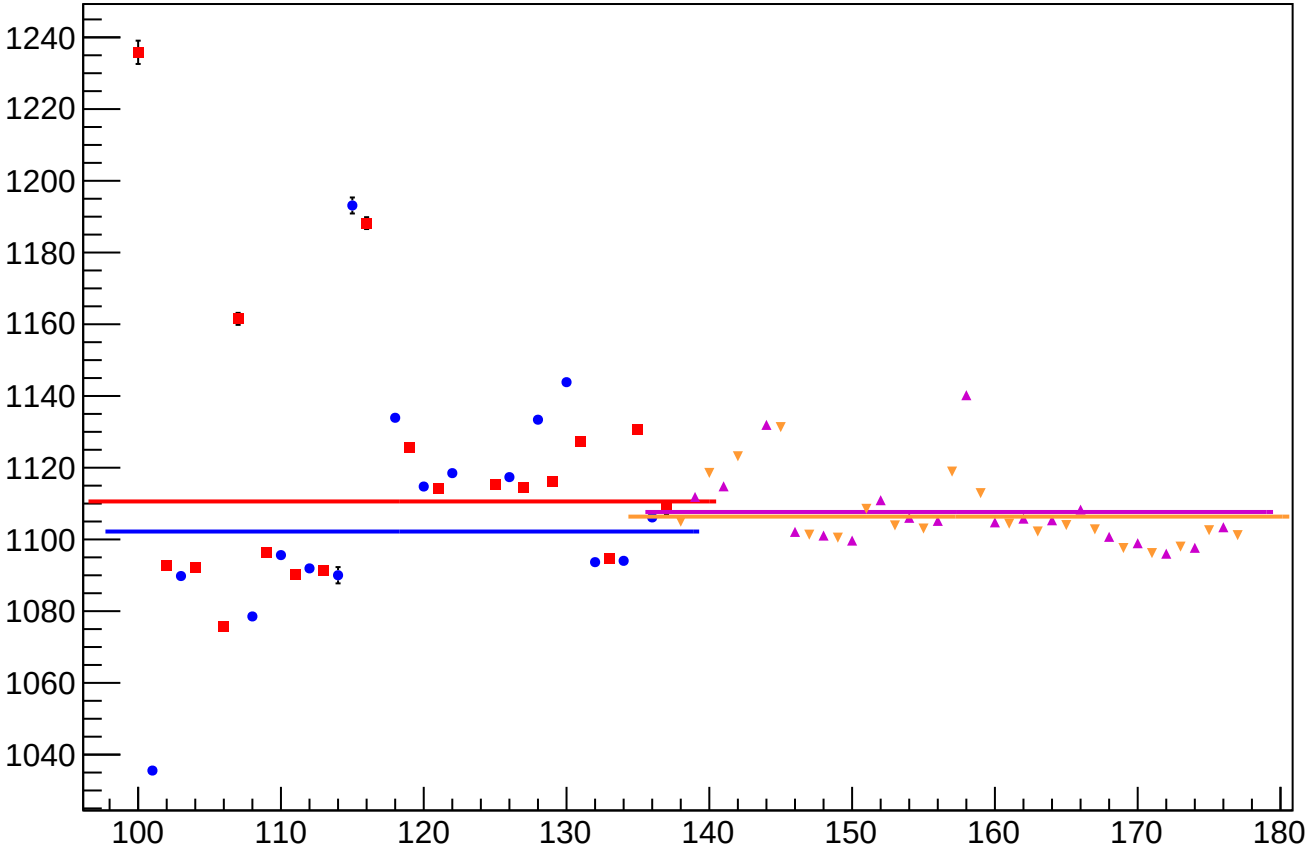
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

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

Out: 1739.588+/-229.827 χ^2/NDF:27.8/37

All: 1750.469+/-163.167 χ^2/NDF: 52.8/72

reg_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1106.365+/-0.196 χ^2/NDF:2012.5/19

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

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

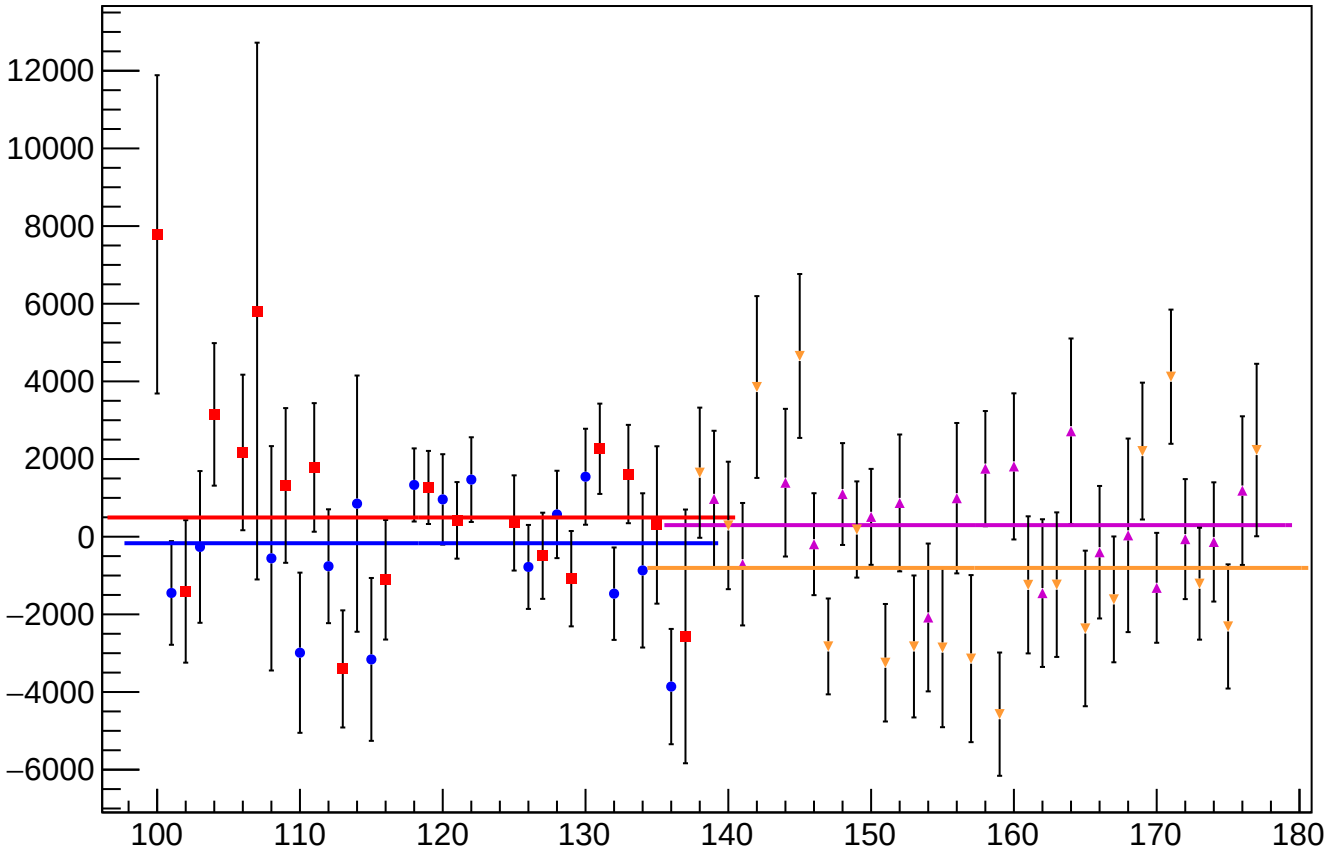
Left: 1107.004+/-0.140 χ^2/NDF: 5161.5/38

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

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

Out: 1107.698+/-0.163 χ^2/NDF:9854.6/37

All: 1106.812+/-0.115 χ^2/NDF: 24632.0/72



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

Left Out: -803.898+/-377.988 χ^2/NDF:43.0/19

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

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

Left: -253.235+/-267.343 χ^2/NDF: 55.8/38

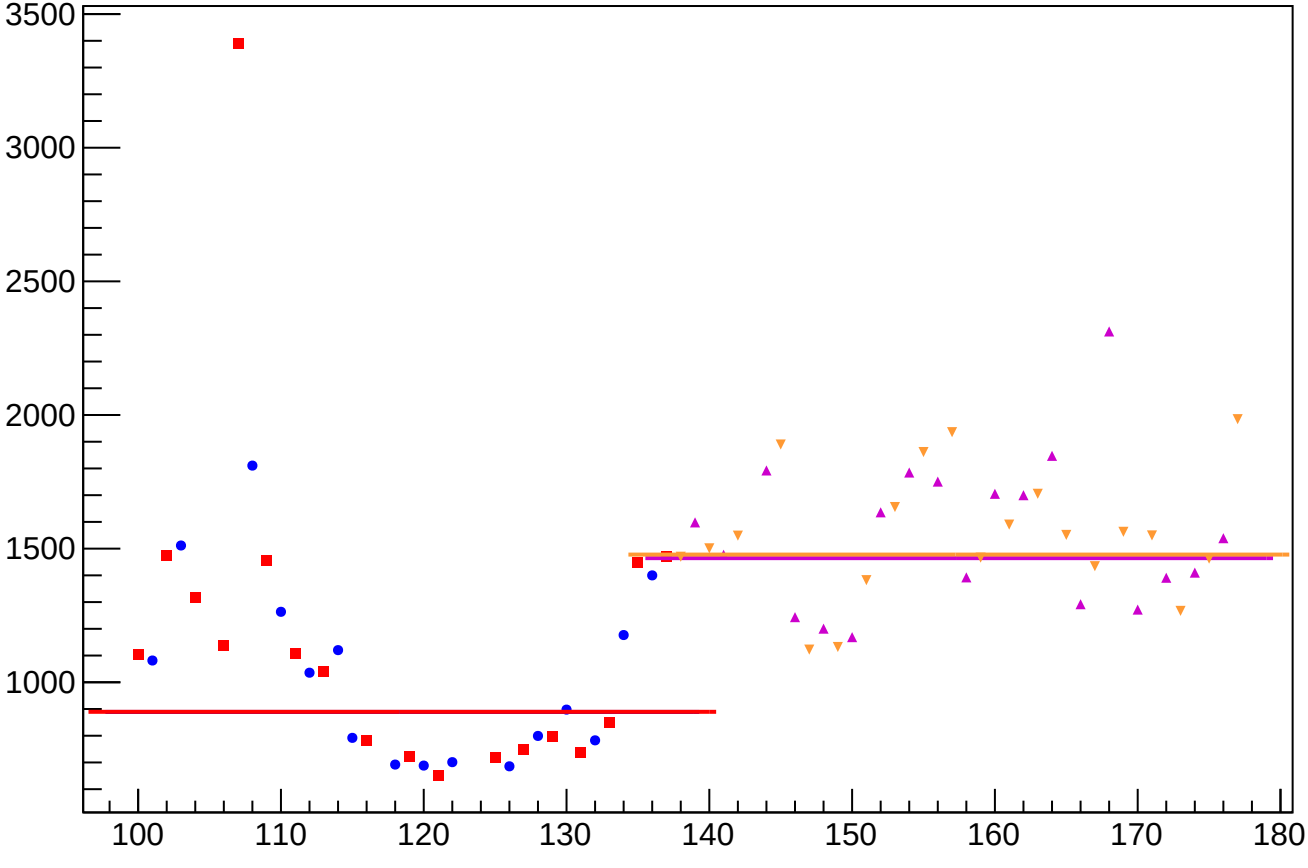
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: 44.009+/-255.052 χ^2/NDF:30.4/34

Out: -95.315+/-254.839 χ^2/NDF:72.8/37

All: -25.711+/-180.274 χ^2/NDF: 103.3/72

asym_usl_reg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1477.742+/-0.267 χ^2/NDF:784822.7/19

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

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

Left: 1471.082+/-0.189 χ^2/NDF: 1646982.2/38

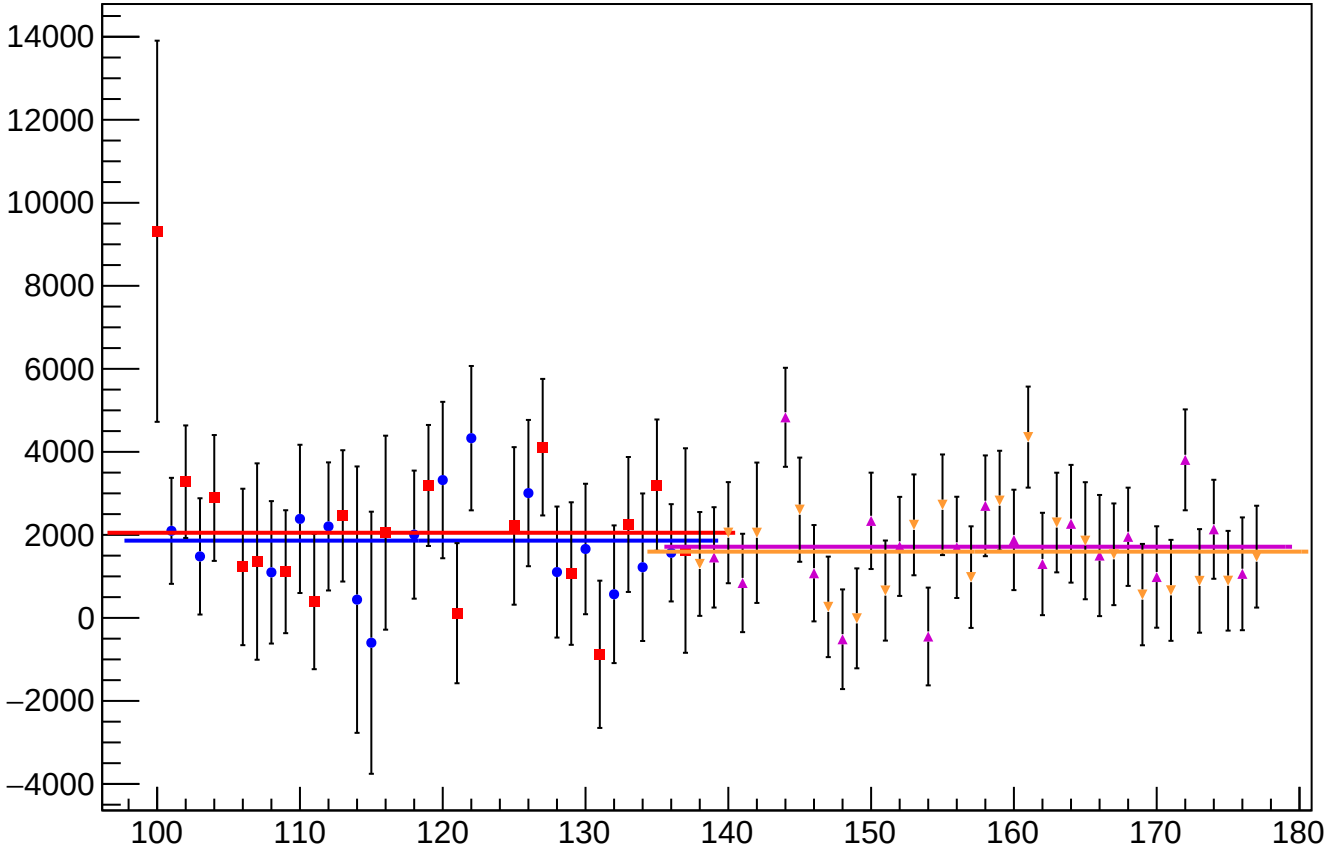
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

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

Out: 1156.871+/-0.180 χ^2/NDF:4772849.4/37

All: 1153.793+/-0.127 χ^2/NDF: 9291694.0/72

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1596.207+/-277.764 χ^2/NDF:14.5/19

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

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

Left: 1654.650+/-197.536 χ^2/NDF: 34.1/38

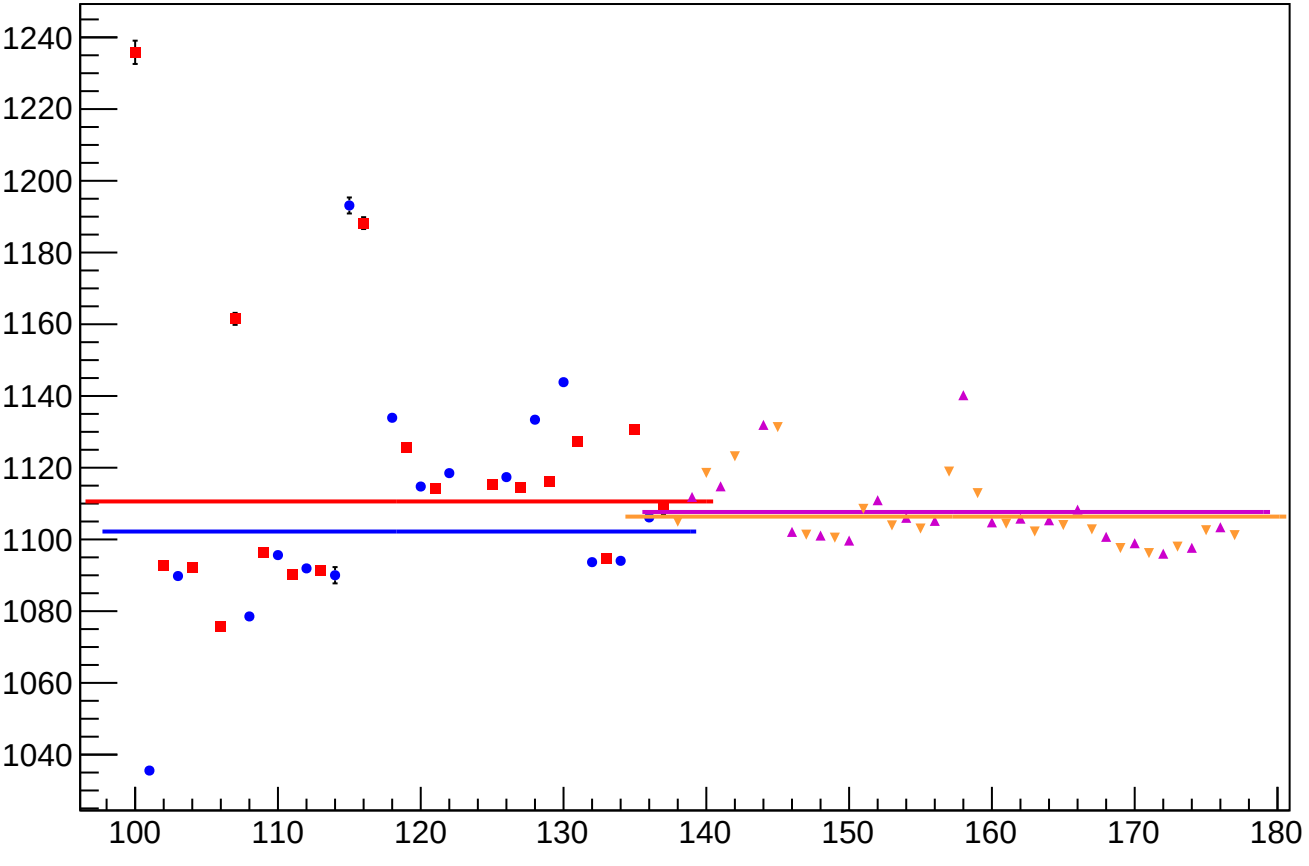
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

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

Out: 1739.588+/-229.827 χ^2/NDF:27.8/37

All: 1750.469+/-163.167 χ^2/NDF: 52.8/72

cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1106.365+/-0.196 χ^2/NDF:2012.5/19

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

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

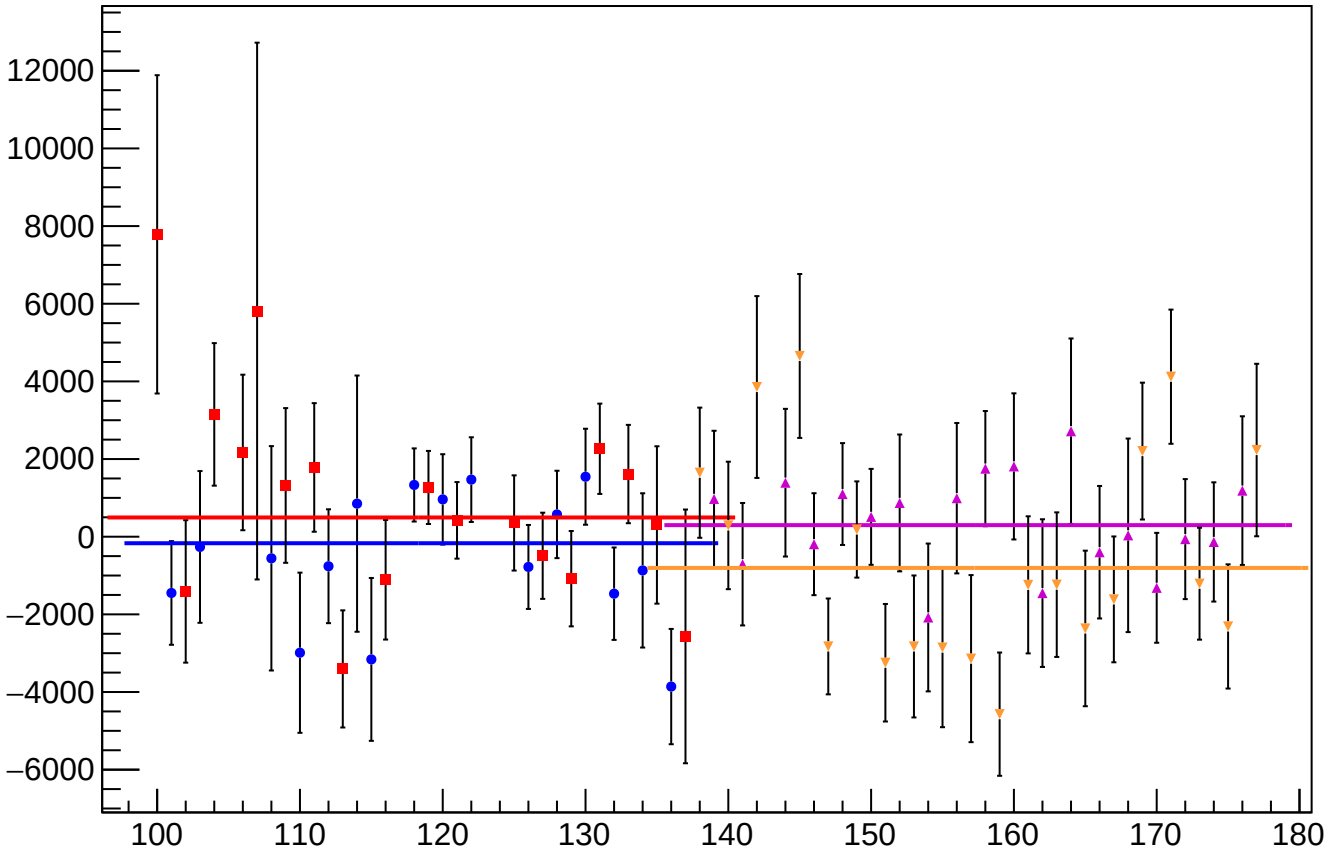
Left: 1107.004+/-0.140 χ^2/NDF: 5161.5/38

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

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

Out: 1107.698+/-0.163 χ^2/NDF:9854.6/37

All: 1106.812+/-0.115 χ^2/NDF: 24632.0/72



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

Left Out: -803.898+/-377.988 χ^2/NDF:43.0/19

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

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

Left: -253.235+/-267.343 χ^2/NDF: 55.8/38

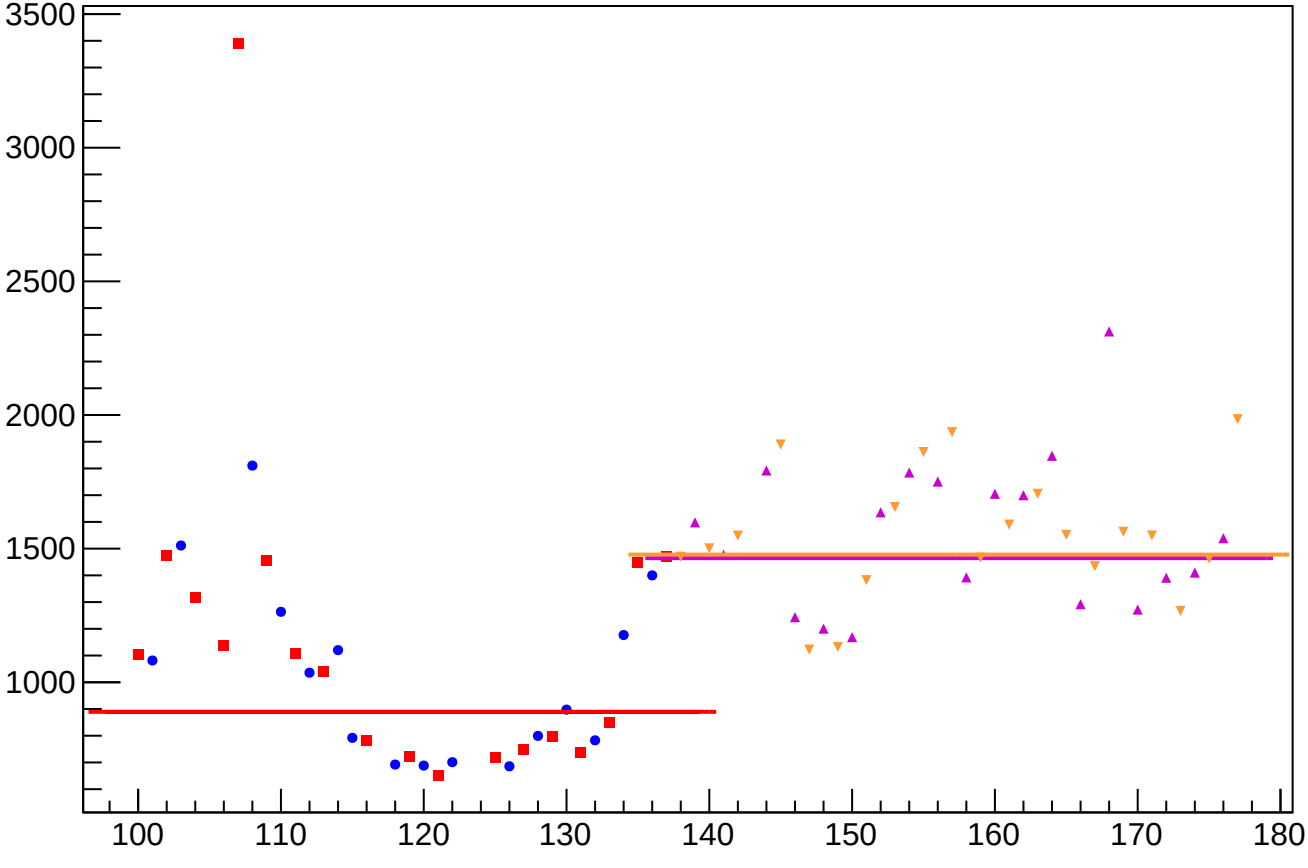
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: 44.009+/-255.052 χ^2/NDF:30.4/34

Out: -95.315+/-254.839 χ^2/NDF:72.8/37

All: -25.711+/-180.274 χ^2/NDF: 103.3/72

asym_usl_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1477.742+/-0.267 χ^2/NDF:784822.7/19

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

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

Left: 1471.082+/-0.189 χ^2/NDF: 1646982.2/38

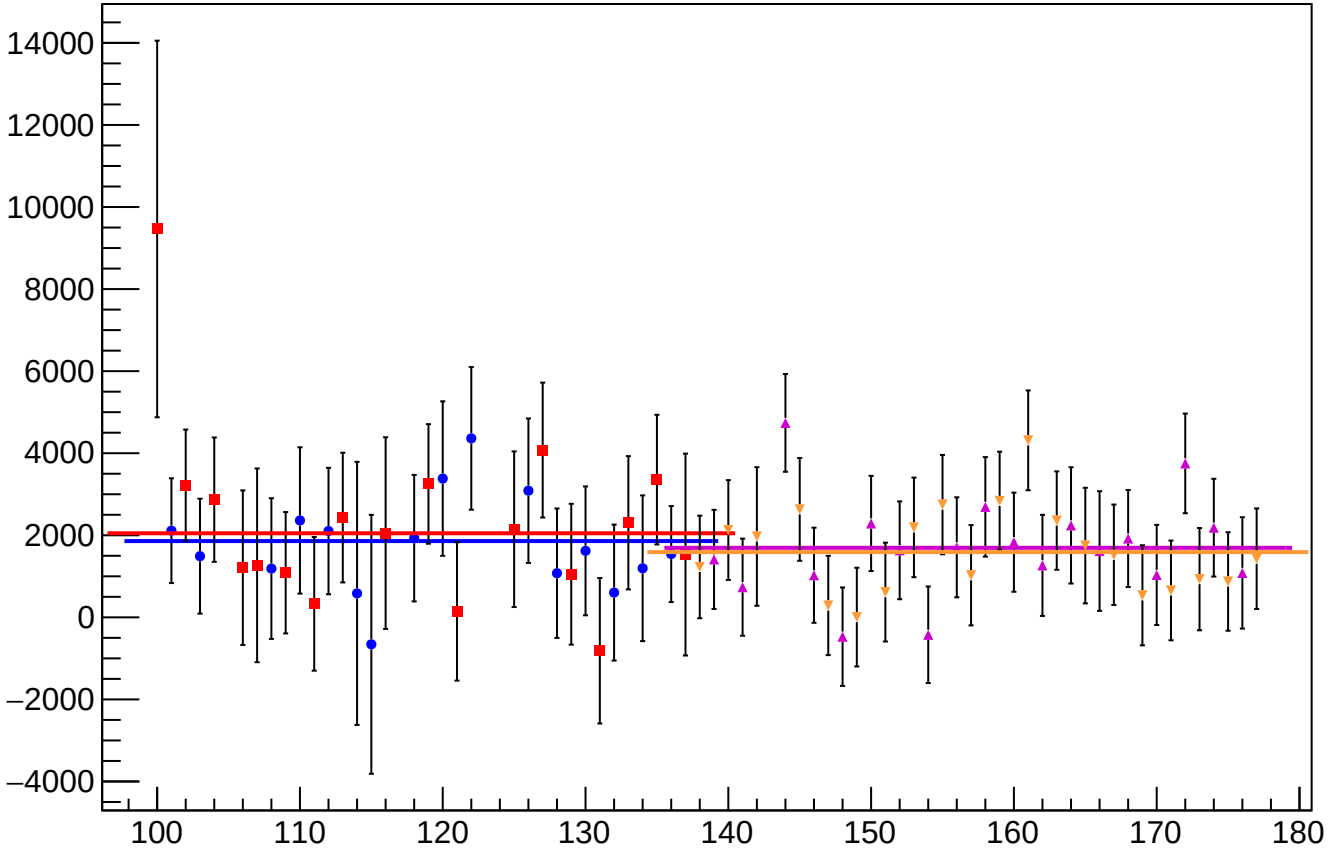
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

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

Out: 1156.871+/-0.180 χ^2/NDF:4772849.4/37

All: 1153.793+/-0.127 χ^2/NDF: 9291694.0/72

overload_cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1590.412+/-277.495 χ^2/NDF:14.4/19

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

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

Left: 1641.755+/-197.346 χ^2/NDF: 33.4/38

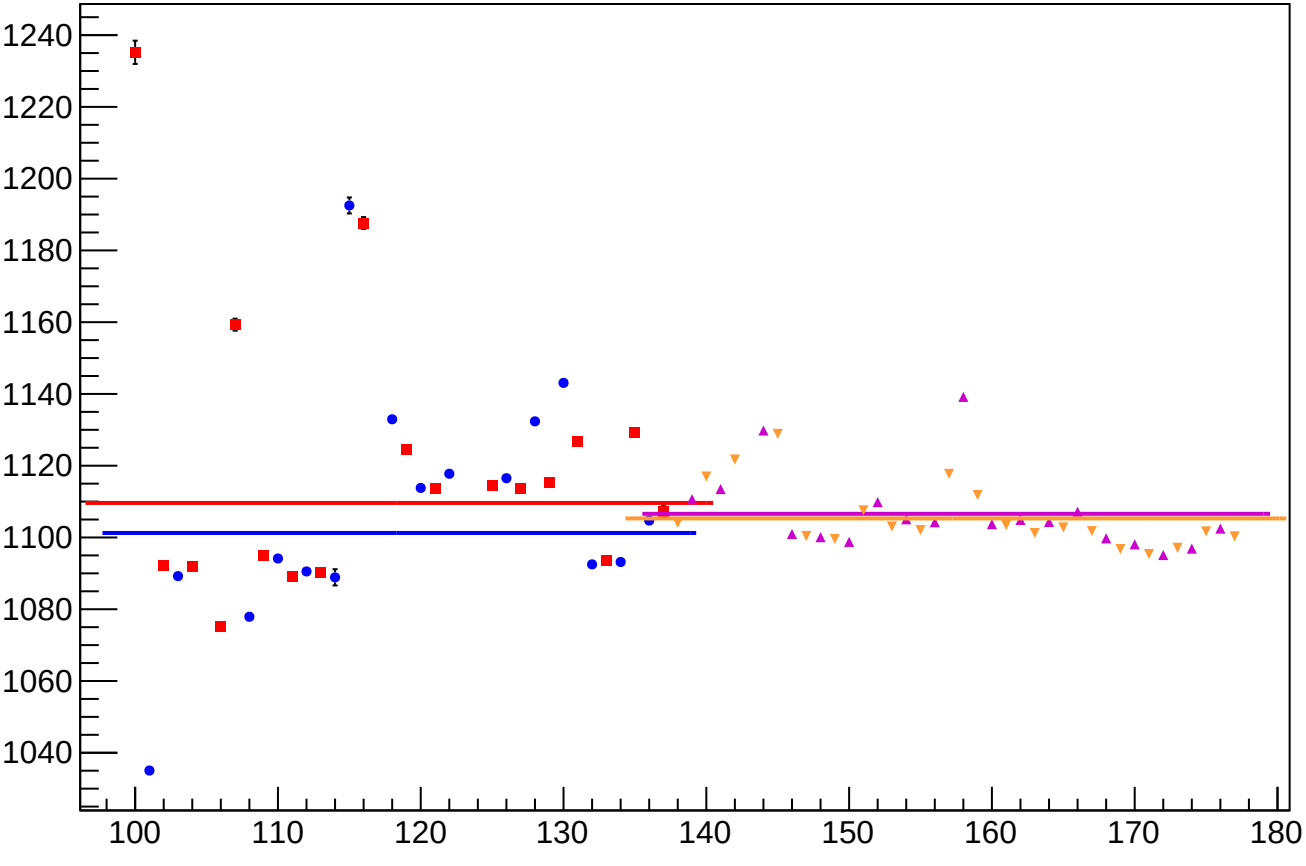
Right: 1953.743+/-289.229 χ^2/NDF: 18.3/33

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

Out: 1734.917+/-229.612 χ^2/NDF:28.1/37

All: 1740.862+/-163.015 χ^2/NDF: 52.5/72

overload_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1105.302+/-0.196 χ^2/NDF:1874.4/19

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

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

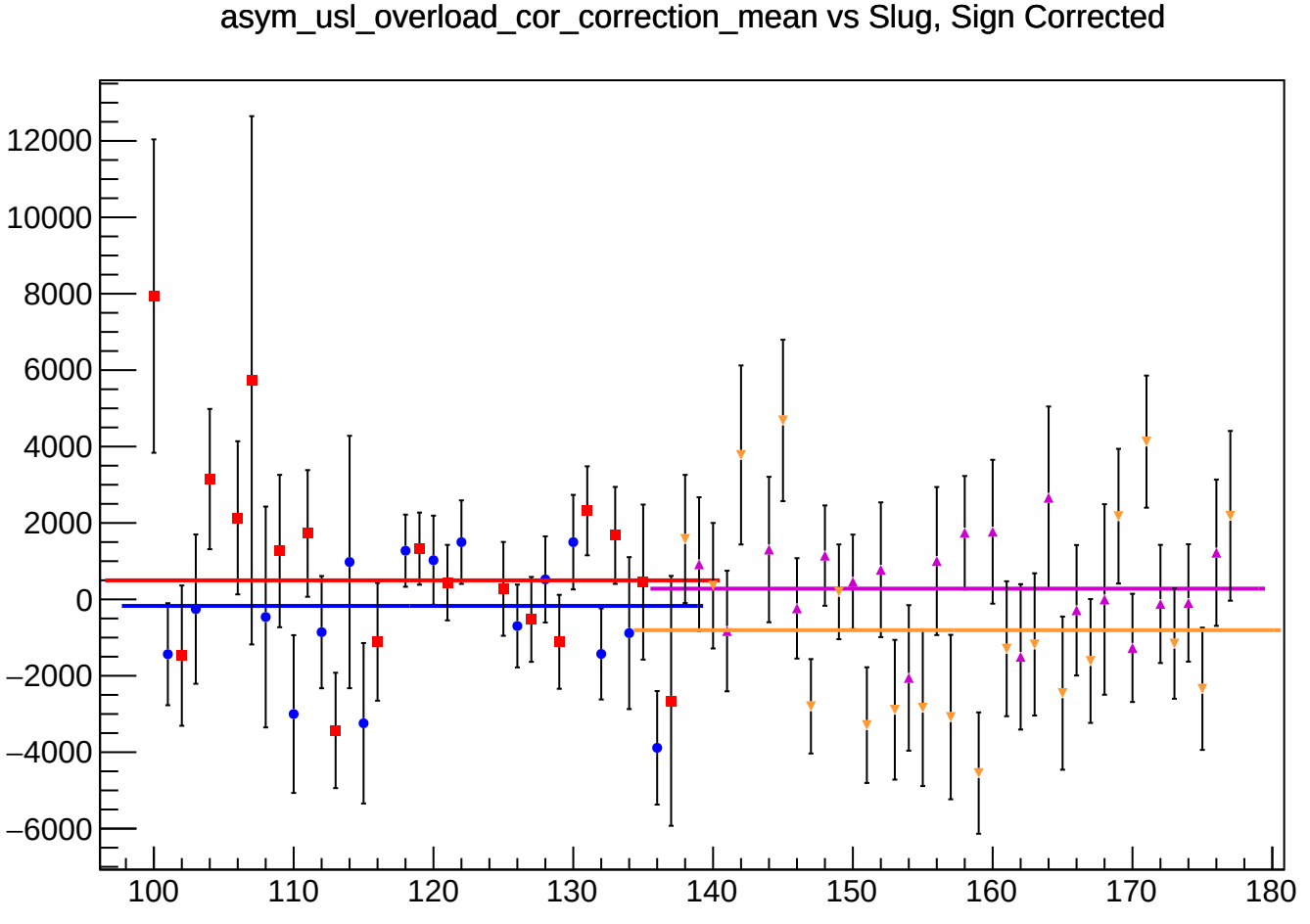
Left: 1105.940+/-0.140 χ^2/NDF: 4927.7/38

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

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

Out: 1106.666+/-0.162 χ^2/NDF:9700.8/37

All: 1105.783+/-0.115 χ^2/NDF: 24332.1/72



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

Left Out: -806.075+/-378.199 χ^2/NDF:42.8/19

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

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

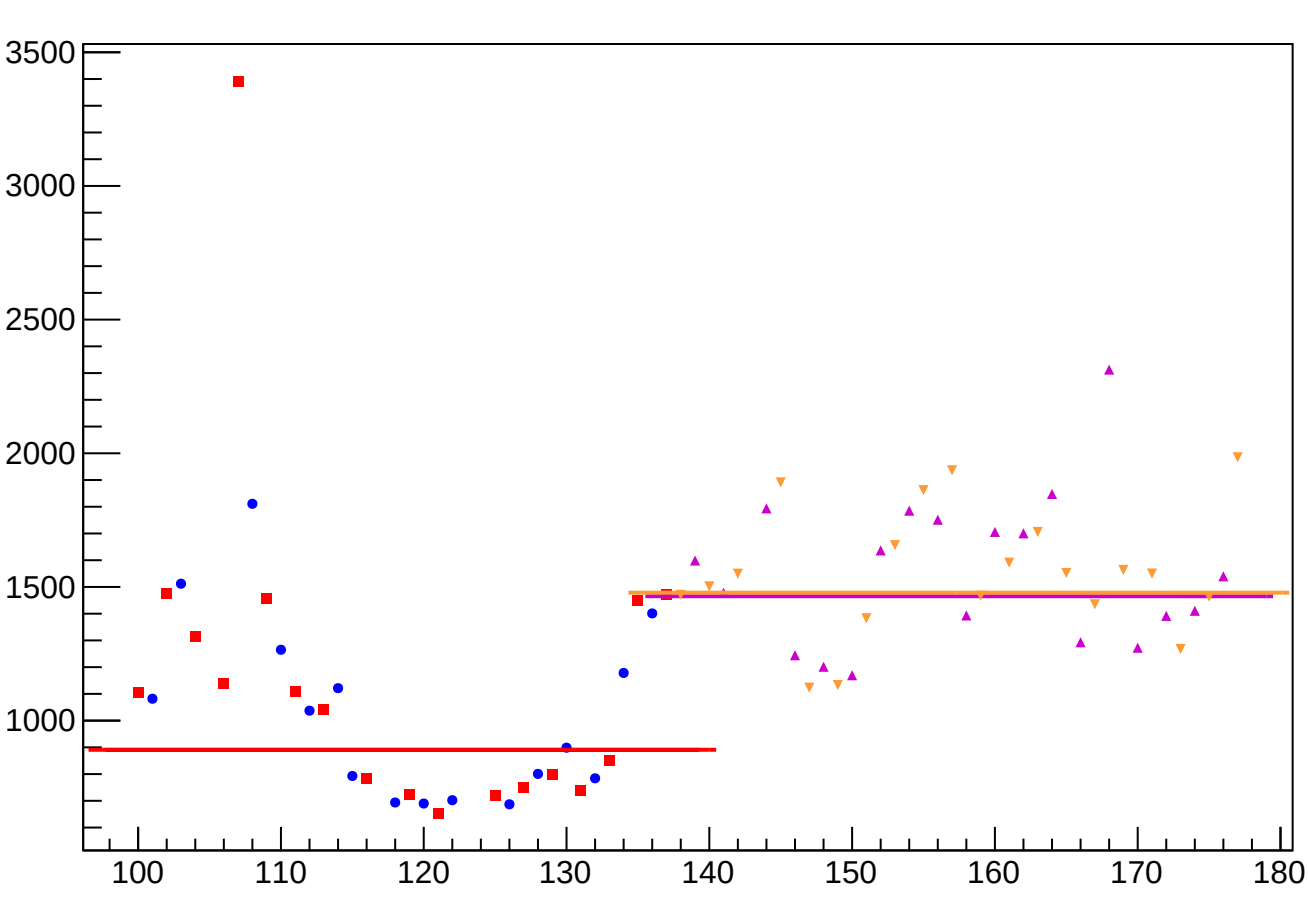
Left: -263.091+/-267.494 χ^2/NDF: 55.4/38

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

In: 34.600+/-255.335 χ^2/NDF:30.1/34

Out: -95.380+/-255.110 χ^2/NDF:73.2/37

All: -30.448+/-180.469 χ^2/NDF: 103.5/72



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

Left Out: 1478.612+/-0.267 χ^2/NDF:783584.6/19

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

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

Left: 1471.954+/-0.189 χ^2/NDF: 1644470.3/38

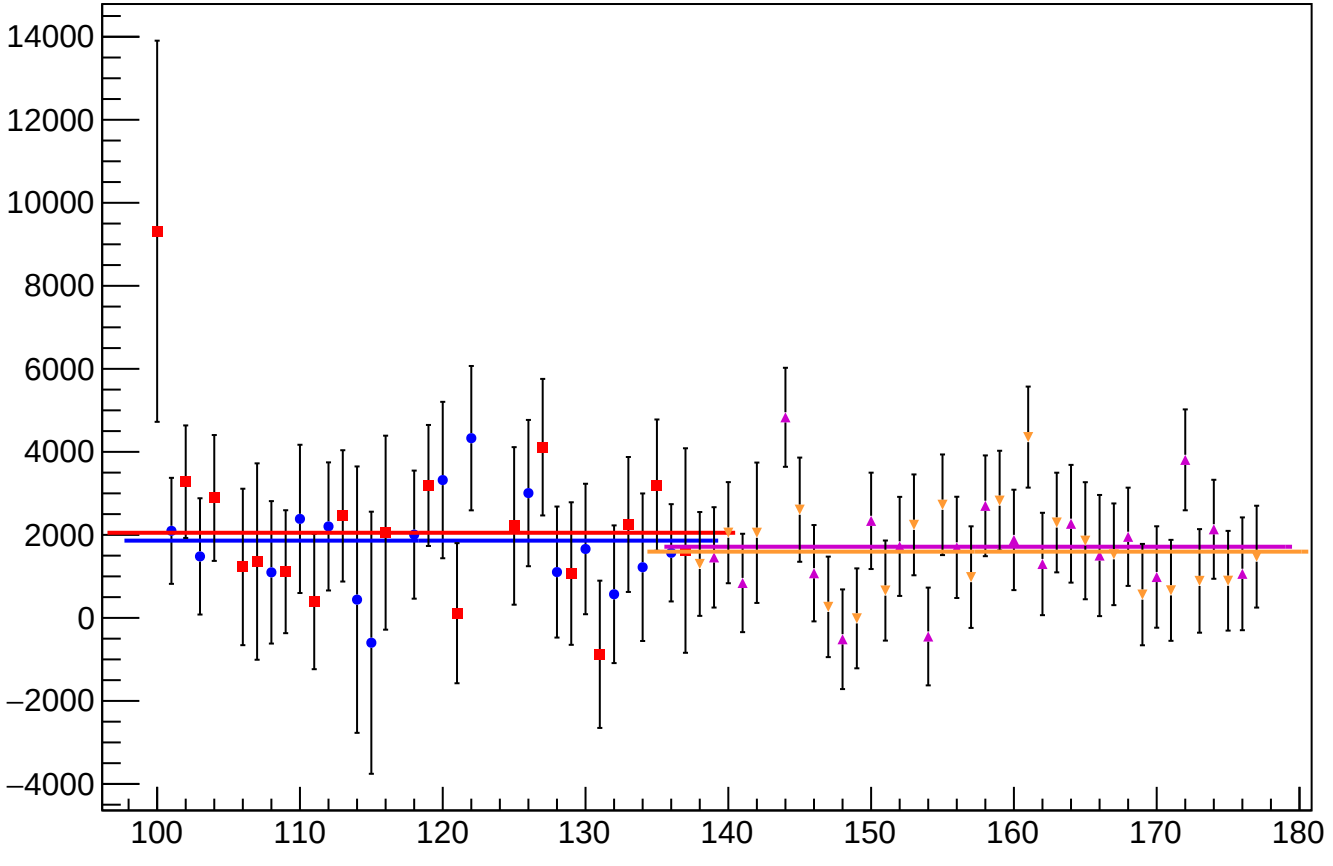
Right: 890.717+/-0.173 χ^2/NDF: 2470545.1/33

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

Out: 1158.331+/-0.180 χ^2/NDF:4757206.2/37

All: 1155.282+/-0.128 χ^2/NDF: 9259781.5/72

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1596.207+/-277.764 χ^2/NDF:14.5/19

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

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

Left: 1654.650+/-197.536 χ^2/NDF: 34.1/38

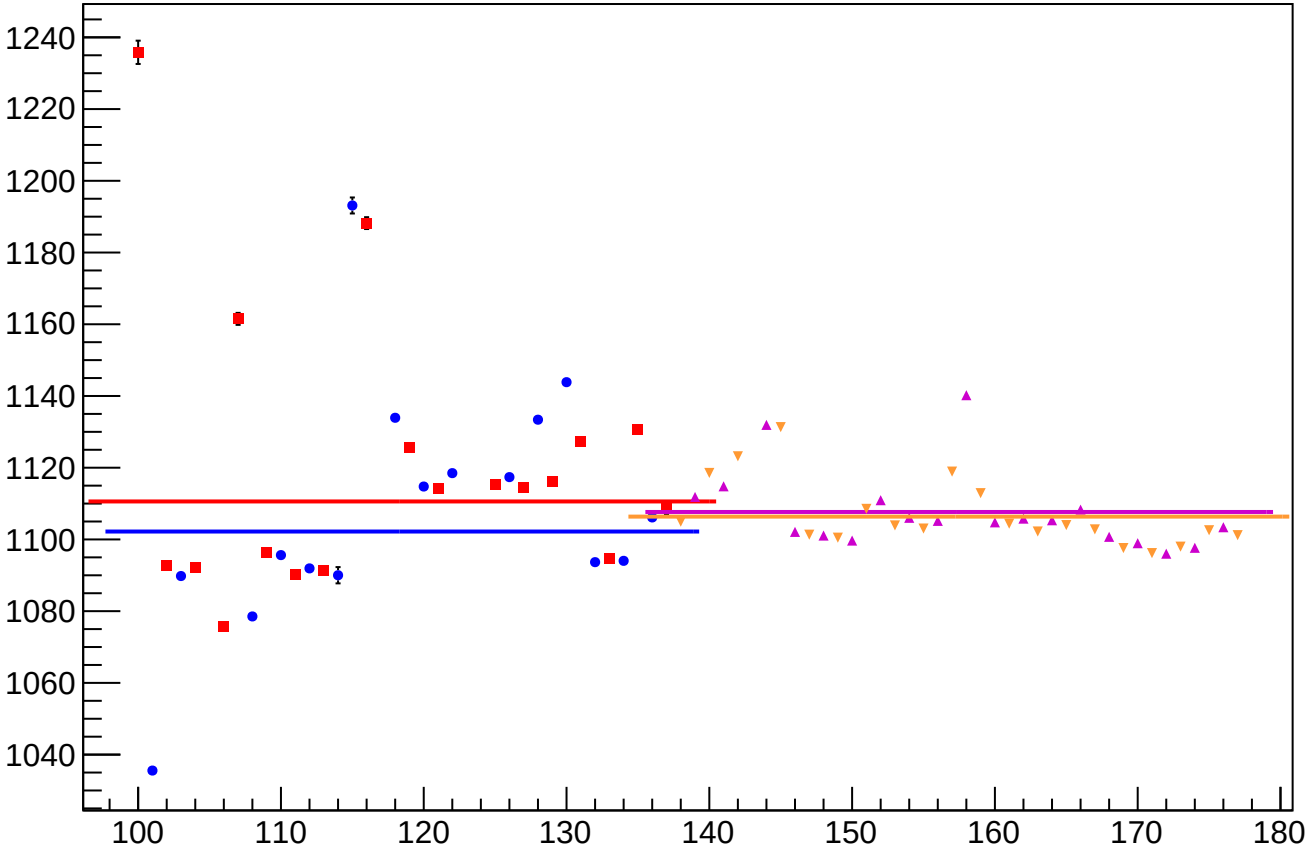
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

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

Out: 1739.588+/-229.827 χ^2/NDF:27.8/37

All: 1750.469+/-163.167 χ^2/NDF: 52.8/72

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1106.365+/-0.196 χ^2/NDF:2012.5/19

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

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

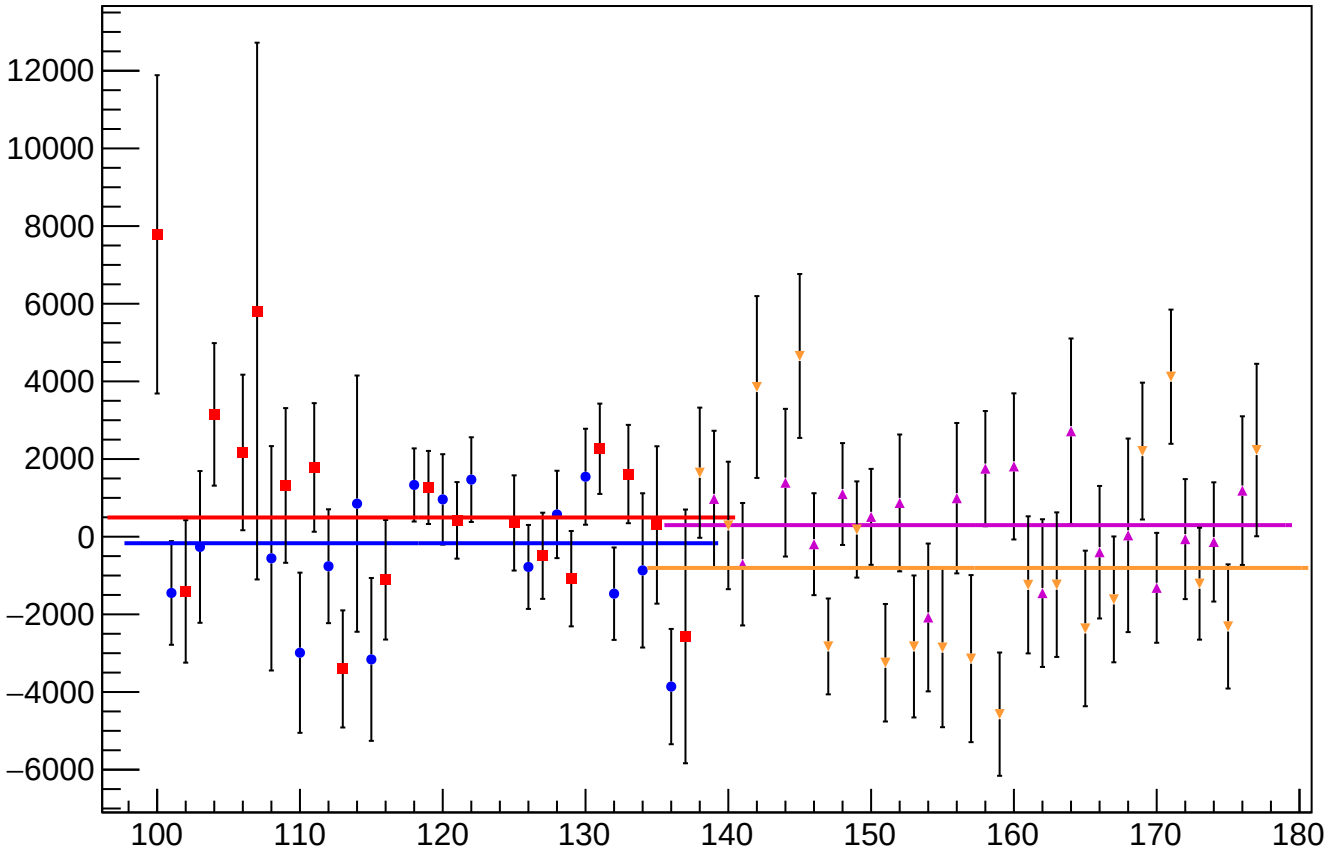
Left: 1107.004+/-0.140 χ^2/NDF: 5161.5/38

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

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

Out: 1107.698+/-0.163 χ^2/NDF:9854.6/37

All: 1106.812+/-0.115 χ^2/NDF: 24632.0/72



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

Left Out: -803.898+/-377.988 χ^2/NDF:43.0/19

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

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

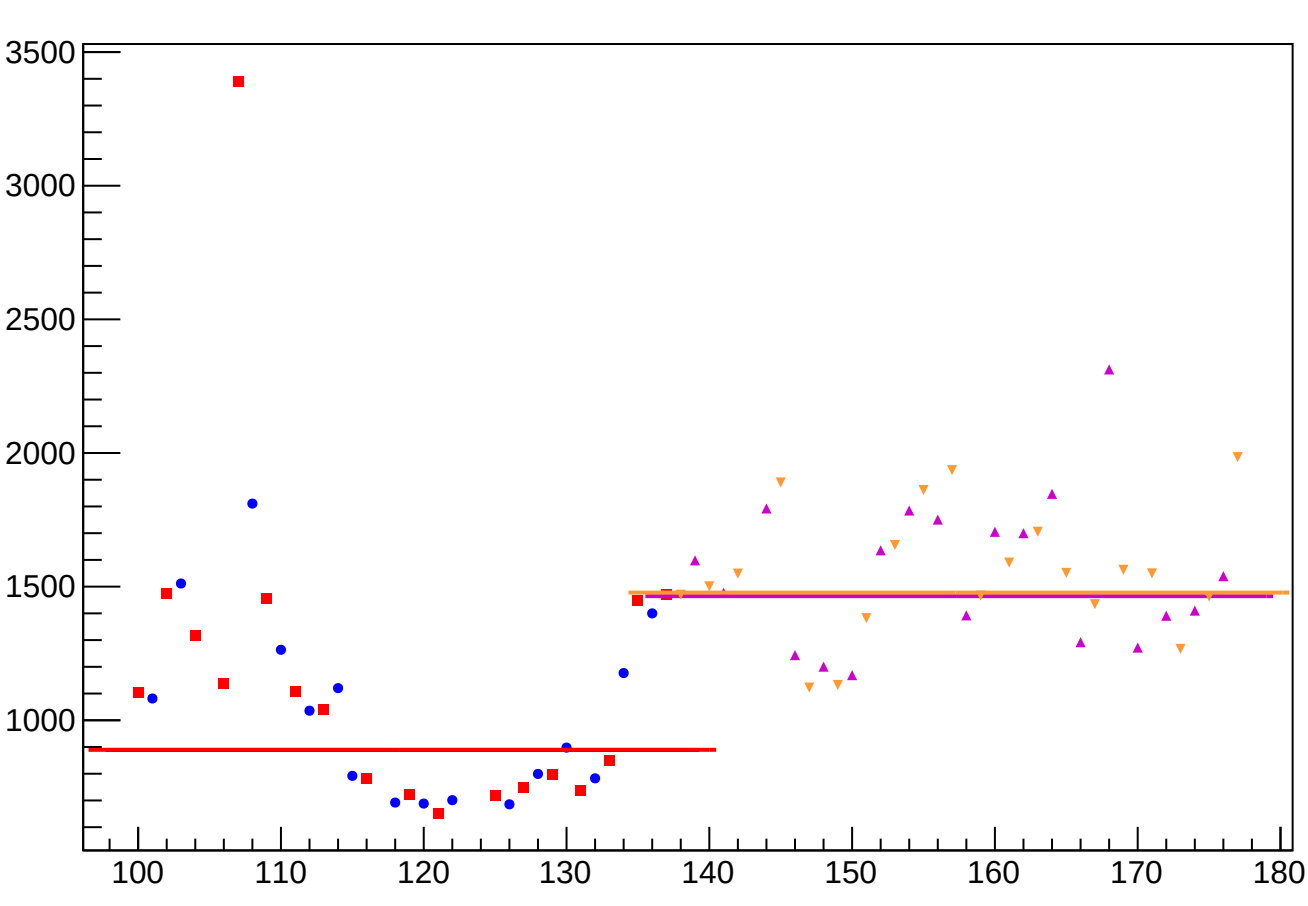
Left: -253.235+/-267.343 χ^2/NDF: 55.8/38

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

In: 44.009+/-255.052 χ^2/NDF:30.4/34

Out: -95.315+/-254.839 χ^2/NDF:72.8/37

All: -25.711+/-180.274 χ^2/NDF: 103.3/72



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

Left Out: 1477.742+/-0.267 χ^2/NDF:784822.7/19

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

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

Left: 1471.082+/-0.189 χ^2/NDF: 1646982.2/38

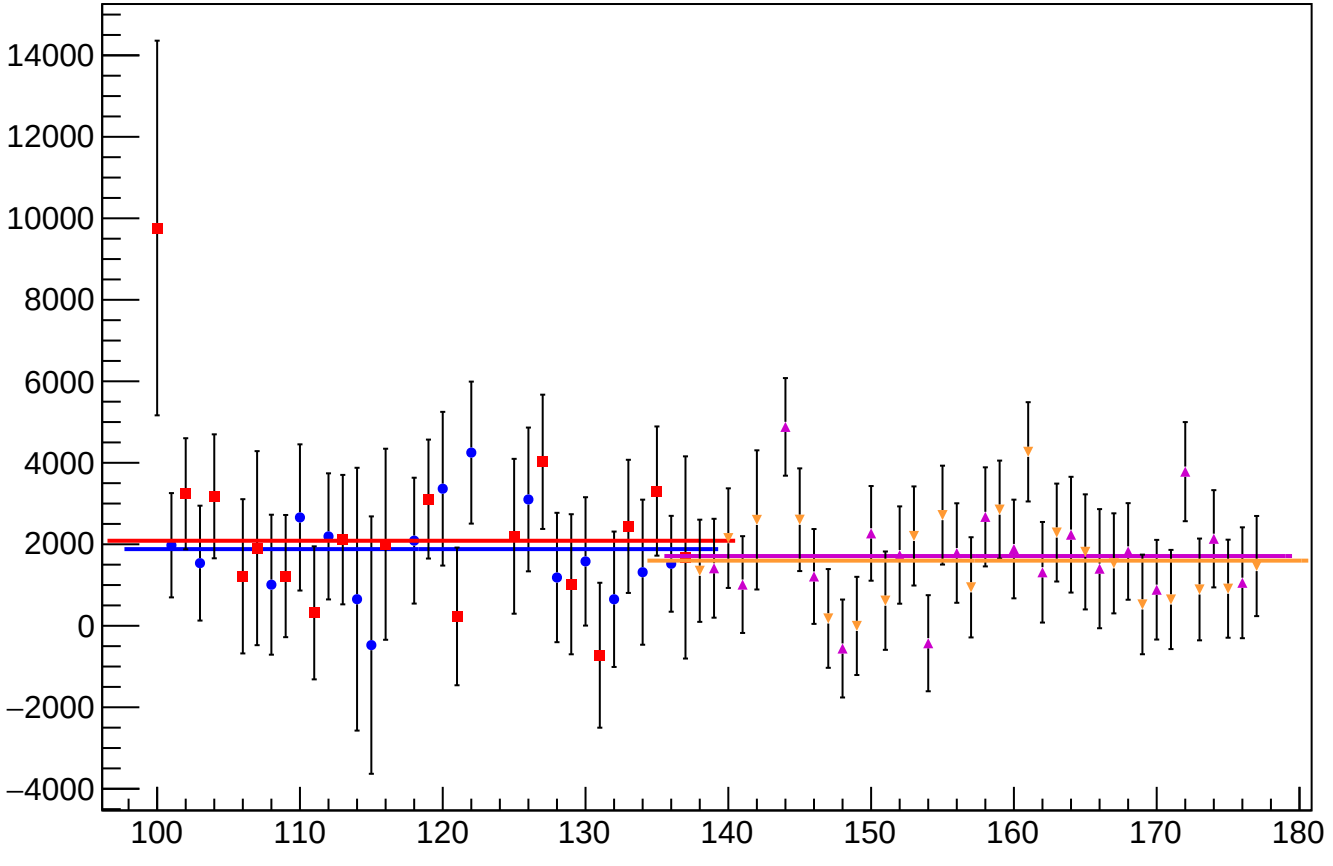
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

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

Out: 1156.871+/-0.180 χ^2/NDF:4772849.4/37

All: 1153.793+/-0.127 χ^2/NDF: 9291694.0/72

dit_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1598.997+/-278.297 χ^2/NDF:14.7/19

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

Left In: 1711.781+/-281.442 χ^2/NDF:19.3/18

Left: 1654.756+/-197.888 χ^2/NDF: 34.1/38

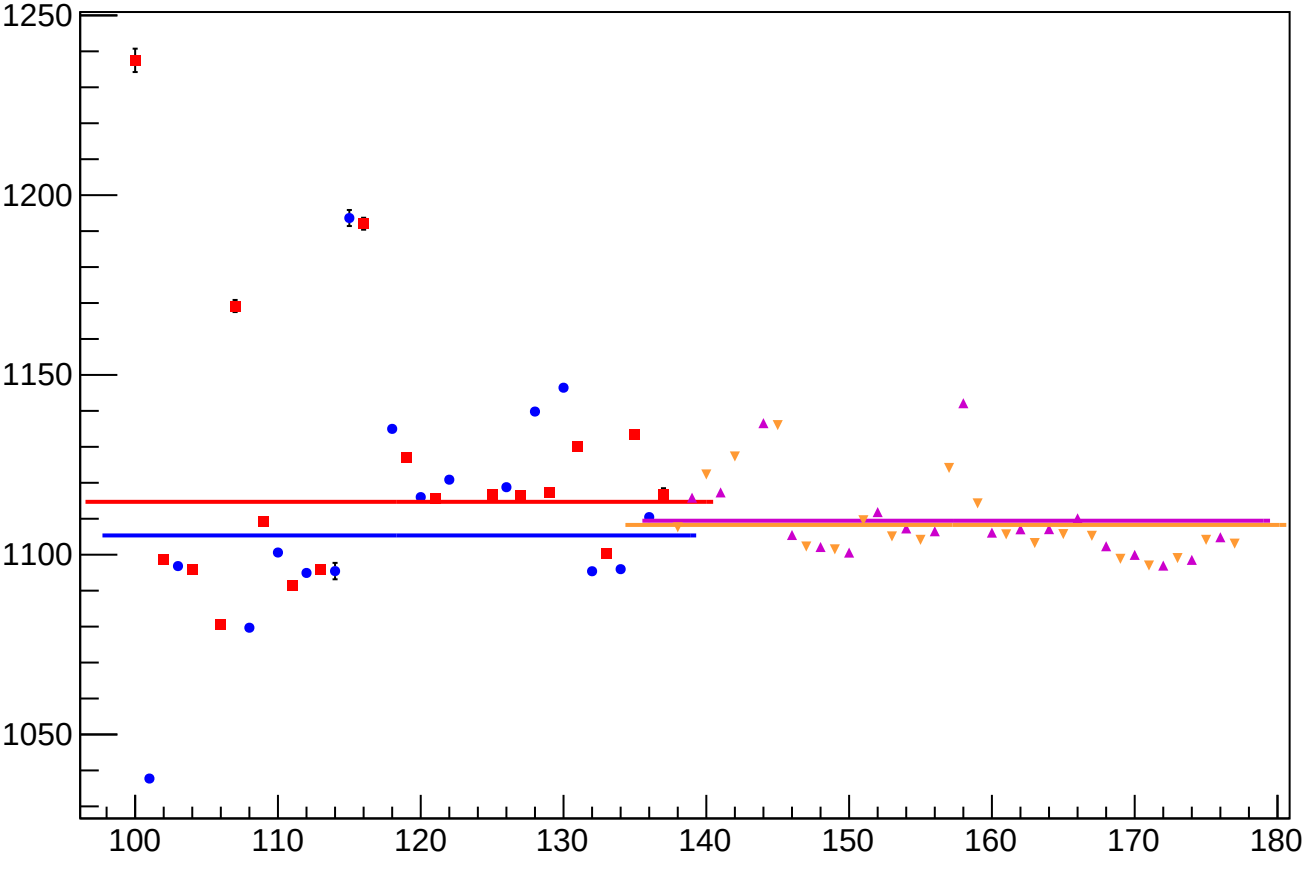
Right: 1984.184+/-290.439 χ^2/NDF: 17.7/33

In: 1766.021+/-232.161 χ^2/NDF:24.6/34

Out: 1752.480+/-230.401 χ^2/NDF:28.0/37

All: 1759.199+/-163.537 χ^2/NDF: 52.7/72

dit_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1108.281+/-0.197 χ^2/NDF:2539.7/19

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

Left In: 1109.450+/-0.199 χ^2/NDF:3475.2/18

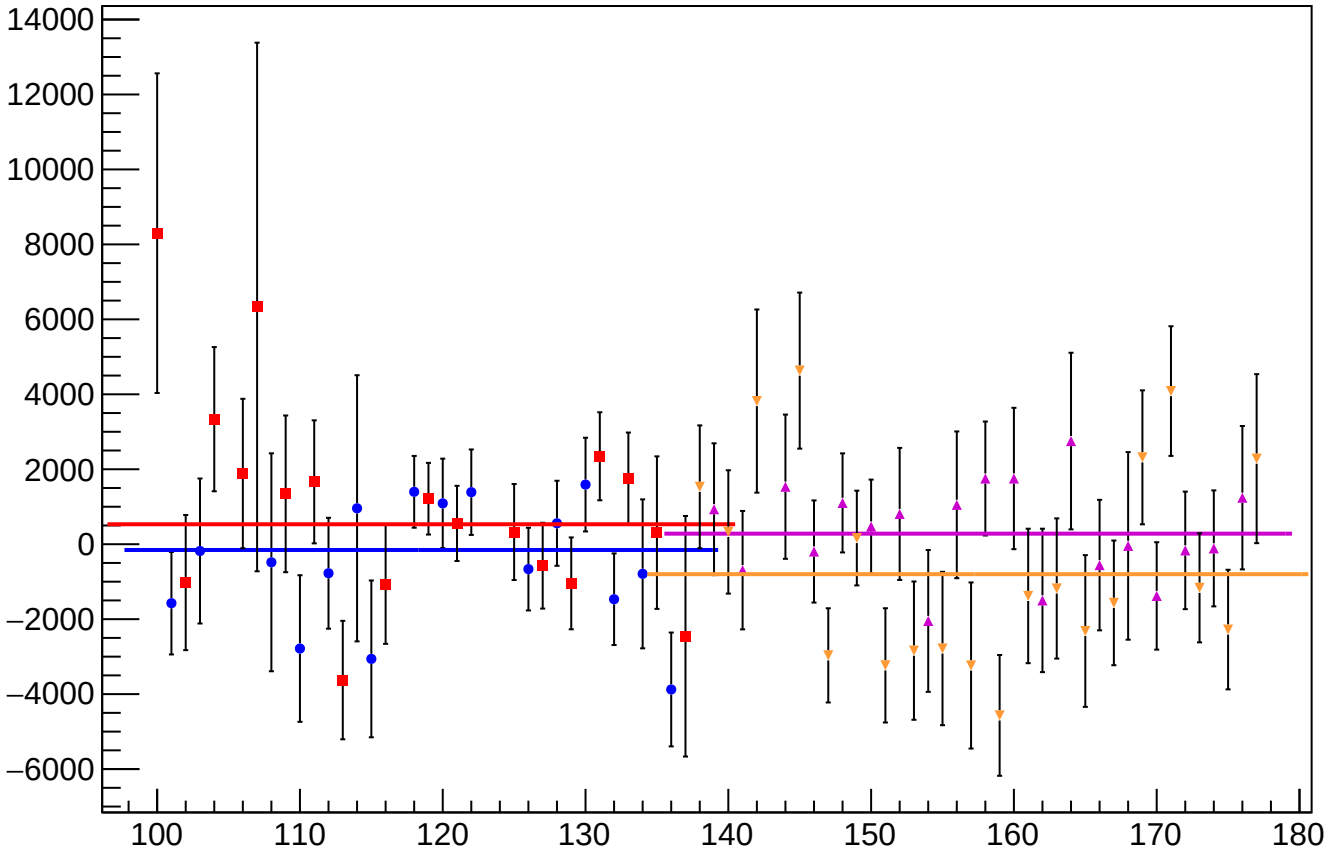
Left: 1108.859+/-0.140 χ^2/NDF: 6032.4/38

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

In: 1108.142+/-0.164 χ^2/NDF:14941.4/34

Out: 1110.302+/-0.163 χ^2/NDF:10205.2/37

All: 1109.230+/-0.116 χ^2/NDF: 25233.9/72



Right In: -153.999+/-351.318 χ^2/NDF: 20.5/15

Left Out: -799.171+/-381.785 χ^2/NDF:42.5/19

Right Out: 532.155+/-350.407 χ^2/NDF: 23.2/17

Left In: 281.631+/-382.222 χ^2/NDF:8.7/18

Left: -259.389+/-270.117 χ^2/NDF: 55.3/38

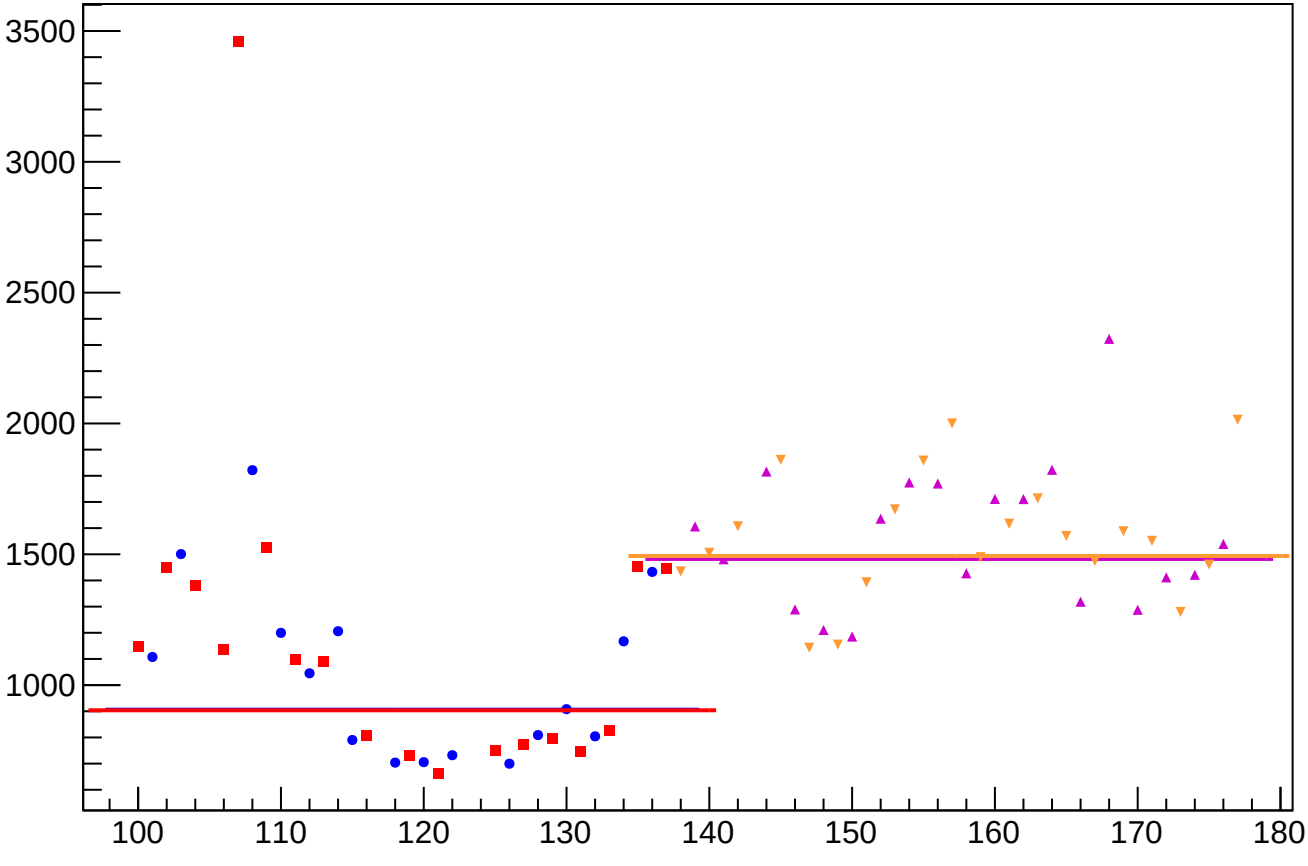
Right: 189.968+/-248.097 χ^2/NDF: 45.6/33

In: 45.495+/-258.656 χ^2/NDF:29.9/34

Out: -76.559+/-258.157 χ^2/NDF:72.4/37

All: -15.650+/-182.721 χ^2/NDF: 102.4/72

asym_usl_dit_correction_rms vs Slug, Sign Corrected



Right In: 906.036+/-0.248 χ^2/NDF: 1079435.1/15

Left Out: 1493.526+/-0.270 χ^2/NDF:762865.4/19

Right Out: 903.753+/-0.248 χ^2/NDF: 1339982.2/17

Left In: 1482.246+/-0.270 χ^2/NDF:804854.6/18

Left: 1487.893+/-0.191 χ^2/NDF: 1568591.9/38

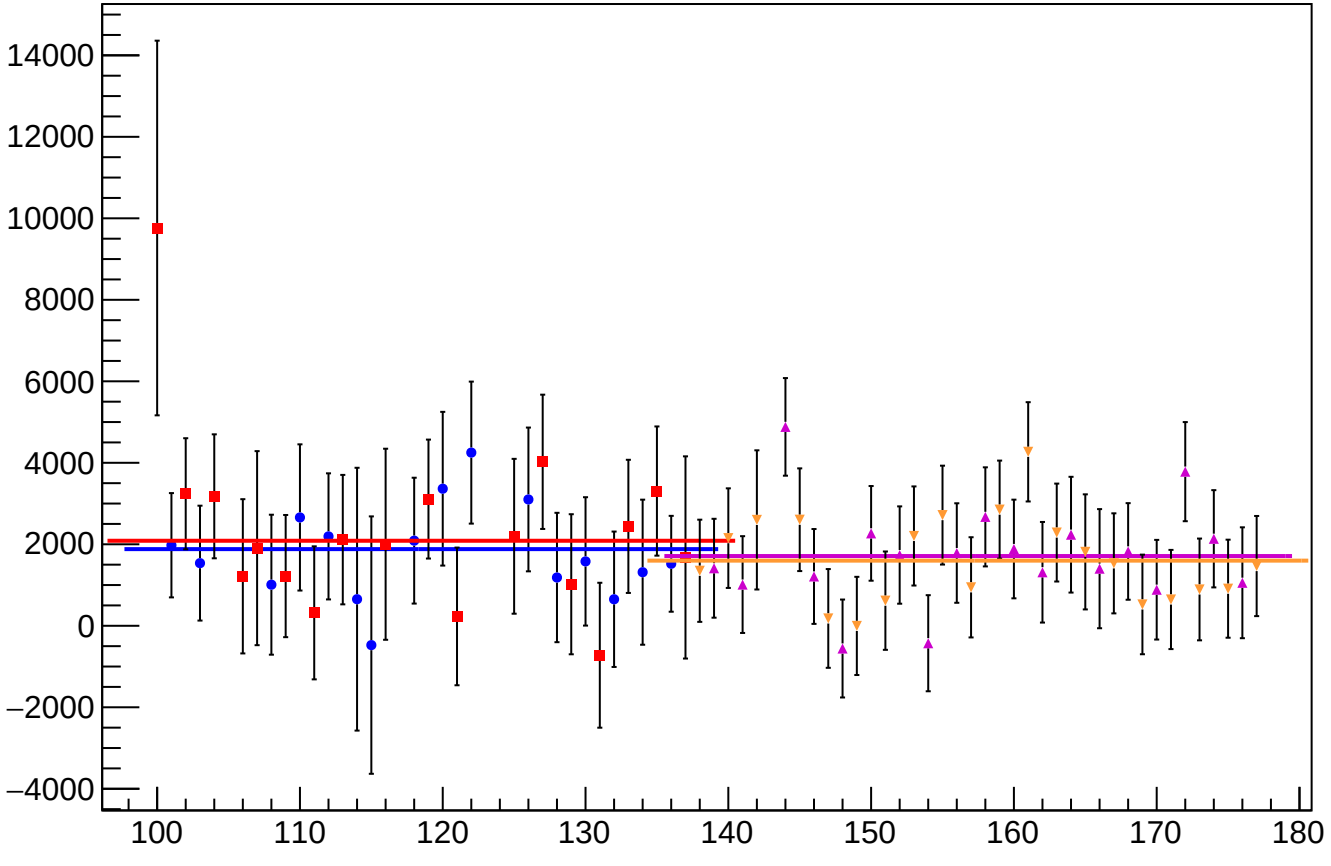
Right: 904.892+/-0.175 χ^2/NDF: 2419459.6/33

In: 1169.908+/-0.183 χ^2/NDF:4348083.1/34

Out: 1173.411+/-0.183 χ^2/NDF:4693342.2/37

All: 1171.663+/-0.129 χ^2/NDF: 9041609.1/72

eigen_dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 1881.523+/-410.700 χ^2/NDF: 5.2/15

Left Out: 1598.993+/-278.297 χ^2/NDF:14.7/19

Right Out: 2086.884+/-410.785 χ^2/NDF: 12.4/17

Left In: 1711.783+/-281.442 χ^2/NDF:19.3/18

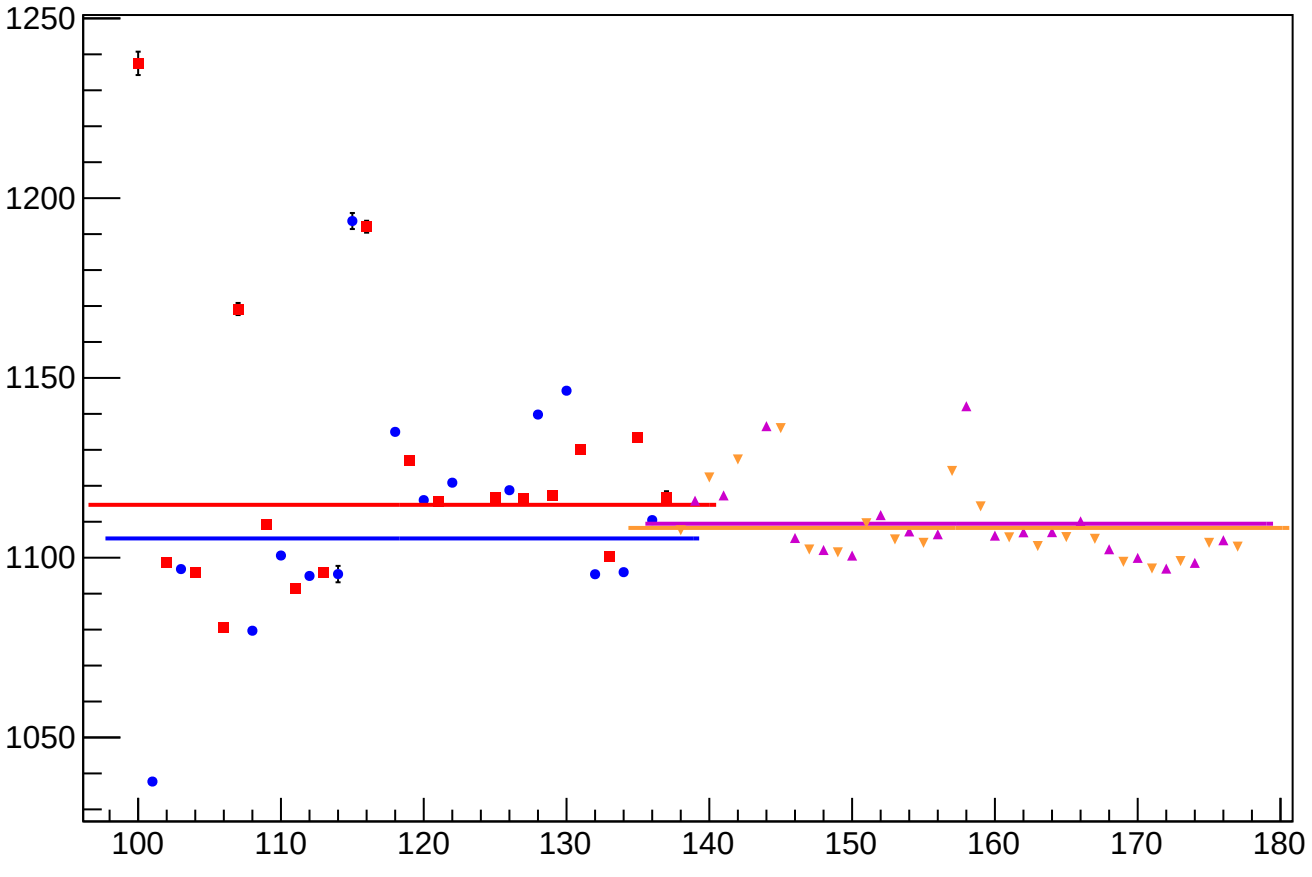
Left: 1654.755+/-197.888 χ^2/NDF: 34.1/38

Right: 1984.182+/-290.439 χ^2/NDF: 17.7/33

In: 1766.022+/-232.161 χ^2/NDF:24.6/34

Out: 1752.477+/-230.401 χ^2/NDF:28.0/37

All: 1759.198+/-163.537 χ^2/NDF: 52.7/72



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

Left Out: 1108.281+/-0.197 χ^2/NDF:2539.7/19

Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.2/17

Left In: 1109.450+/-0.199 χ^2/NDF:3475.2/18

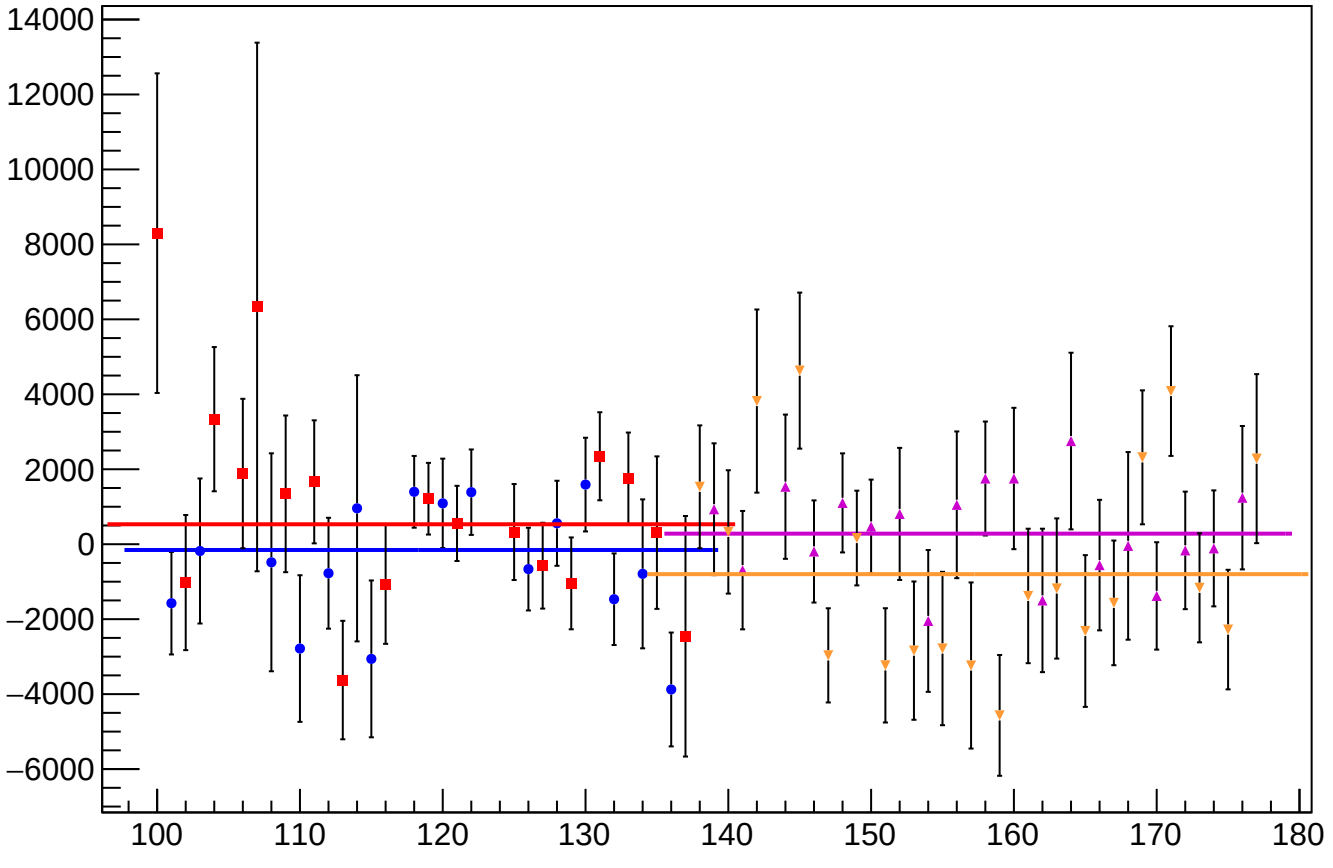
Left: 1108.859+/-0.140 χ^2/NDF: 6032.3/38

Right: 1110.029+/-0.205 χ^2/NDF: 19179.3/33

In: 1108.142+/-0.164 χ^2/NDF:14941.4/34

Out: 1110.302+/-0.163 χ^2/NDF:10205.2/37

All: 1109.230+/-0.116 χ^2/NDF: 25233.8/72



Right In: -153.998+/-351.317 χ^2/NDF: 20.5/15

Left Out: -799.175+/-381.786 χ^2/NDF:42.5/19

Right Out: 532.154+/-350.406 χ^2/NDF: 23.2/17

Left In: 281.631+/-382.223 χ^2/NDF:8.7/18

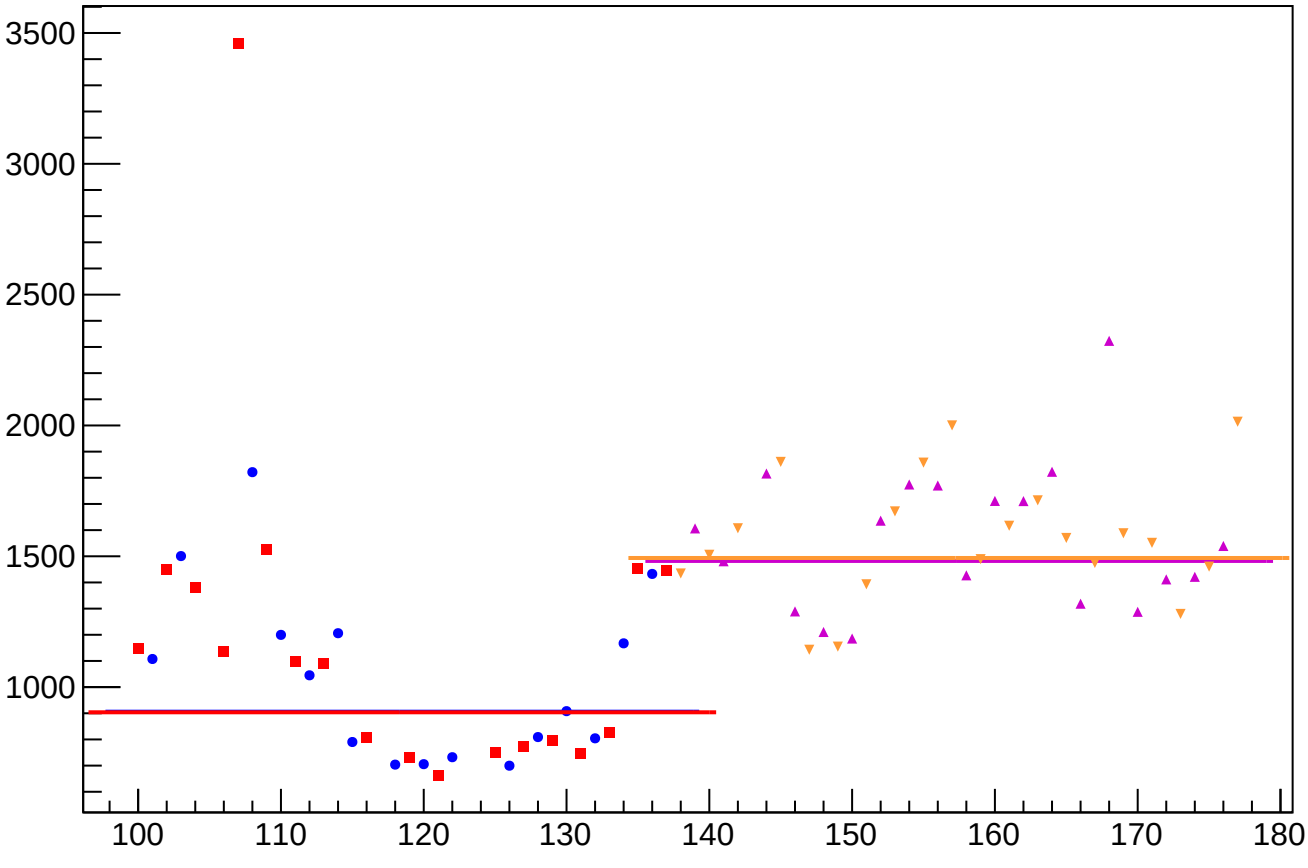
Left: -259.391+/-270.118 χ^2/NDF: 55.3/38

Right: 189.969+/-248.096 χ^2/NDF: 45.6/33

In: 45.495+/-258.656 χ^2/NDF:29.9/34

Out: -76.559+/-258.156 χ^2/NDF:72.4/37

All: -15.650+/-182.720 χ^2/NDF: 102.4/72



Right In: 906.034+/-0.248 χ^2/NDF: 1079440.1/15

Left Out: 1493.528+/-0.270 χ^2/NDF:762861.8/19

Right Out: 903.751+/-0.248 χ^2/NDF: 1339985.4/17

Left In: 1482.248+/-0.270 χ^2/NDF:804851.3/18

Left: 1487.894+/-0.191 χ^2/NDF: 1568585.1/38

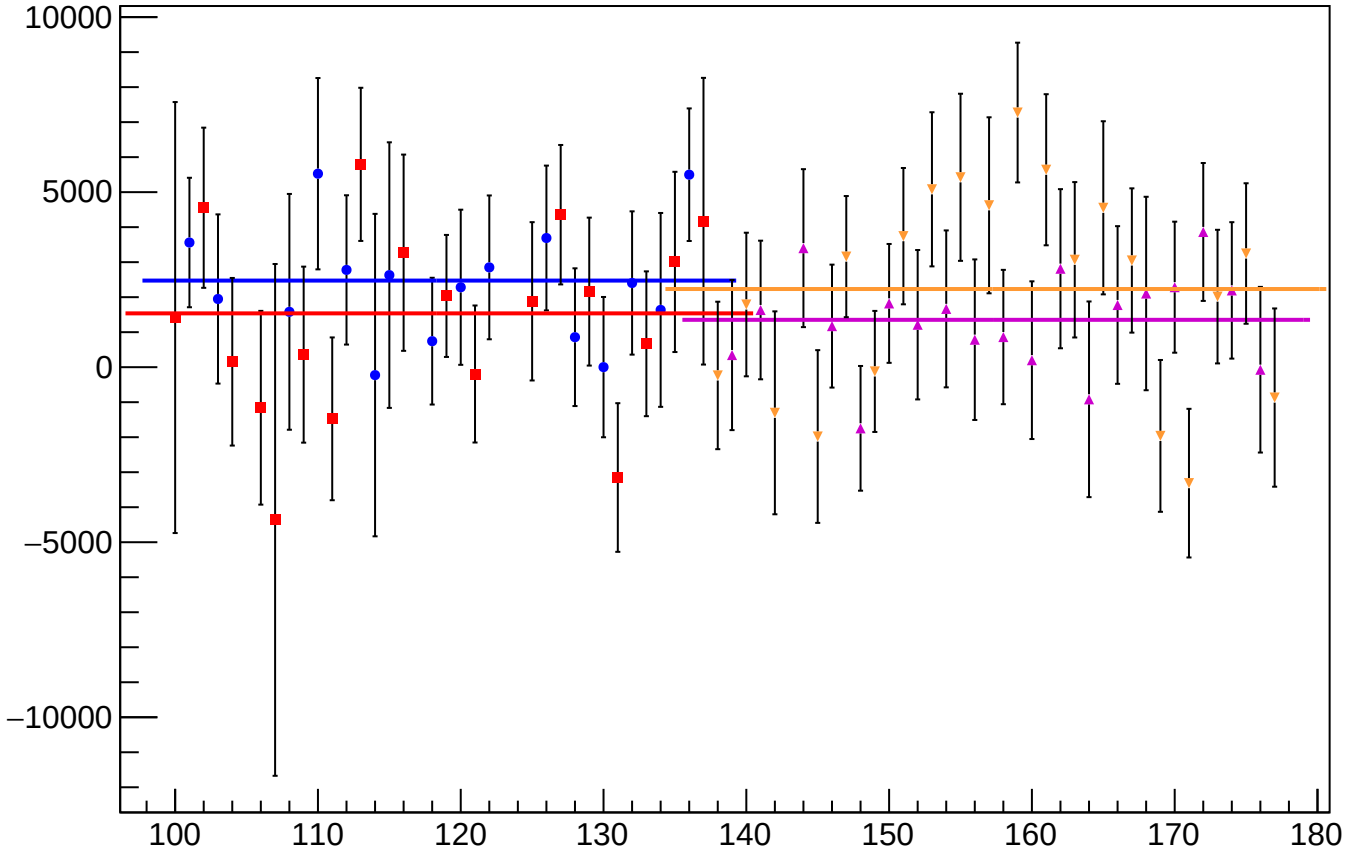
Right: 904.890+/-0.175 χ^2/NDF: 2419467.8/33

In: 1169.906+/-0.183 χ^2/NDF:4348116.2/34

Out: 1173.410+/-0.183 χ^2/NDF:4693376.8/37

All: 1171.662+/-0.129 χ^2/NDF: 9041676.8/72

asym_usl_mean vs Slug, Sign Corrected



Right In: 2474.066+/-562.796 χ^2/NDF: 8.2/15

Left Out: 2233.073+/-476.825 χ^2/NDF:35.3/19

Right Out: 1537.435+/-563.556 χ^2/NDF: 18.5/17

Left In: 1352.877+/-478.487 χ^2/NDF:8.2/18

Left: 1794.506+/-337.752 χ^2/NDF: 45.2/38

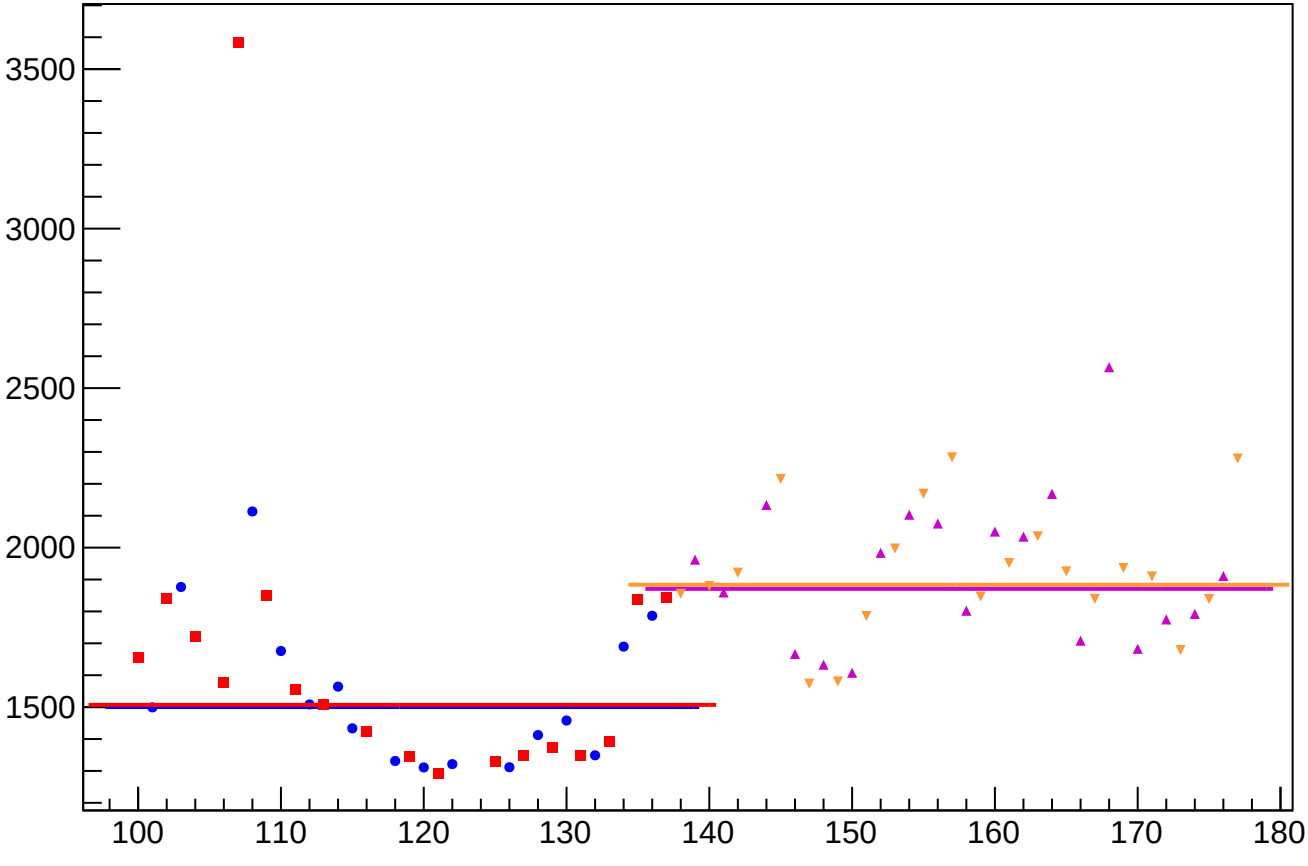
Right: 2006.383+/-398.225 χ^2/NDF: 28.1/33

In: 1823.284+/-364.543 χ^2/NDF:18.7/34

Out: 1942.846+/-364.011 χ^2/NDF:54.7/37

All: 1883.152+/-257.583 χ^2/NDF: 73.5/72

asym_usl_rms vs Slug, Sign Corrected



Right In: 1500.377+/-0.398 χ^2/NDF: 258792.8/15

Left Out: 1883.754+/-0.337 χ^2/NDF:339319.5/19

Right Out: 1507.098+/-0.398 χ^2/NDF: 401227.7/17

Left In: 1870.767+/-0.338 χ^2/NDF:398597.9/18

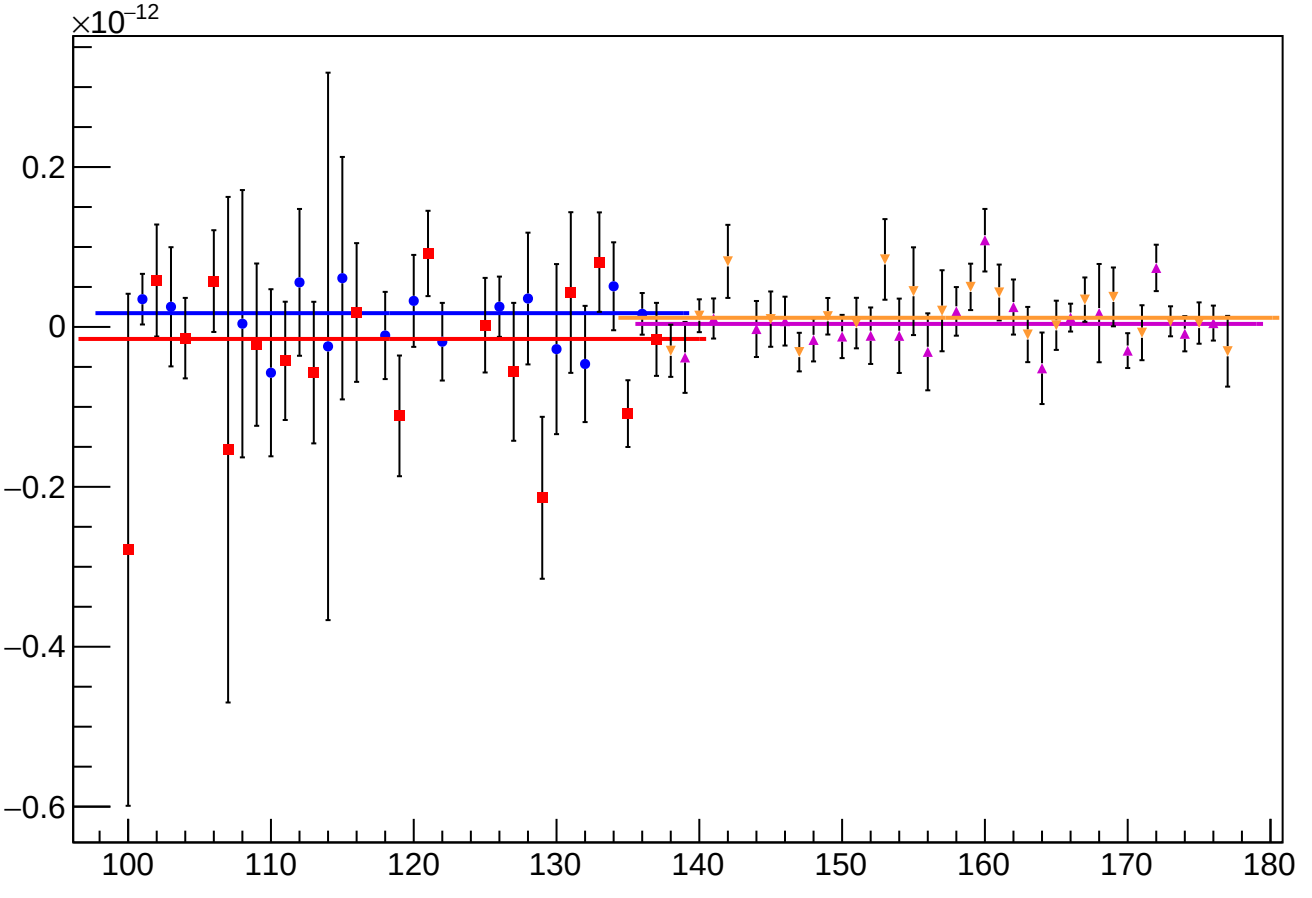
Left: 1877.283+/-0.239 χ^2/NDF: 738656.5/38

Right: 1503.733+/-0.282 χ^2/NDF: 660162.8/33

In: 1715.366+/-0.258 χ^2/NDF:1160200.8/34

Out: 1726.609+/-0.257 χ^2/NDF:1261209.7/37

All: 1720.996+/-0.182 χ^2/NDF: 2422362.9/72



Right In: 0.000+/-0.000 χ^2/NDF: 3.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.3/19

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/17

Left In: 0.000+/-0.000 χ^2/NDF:20.8/18

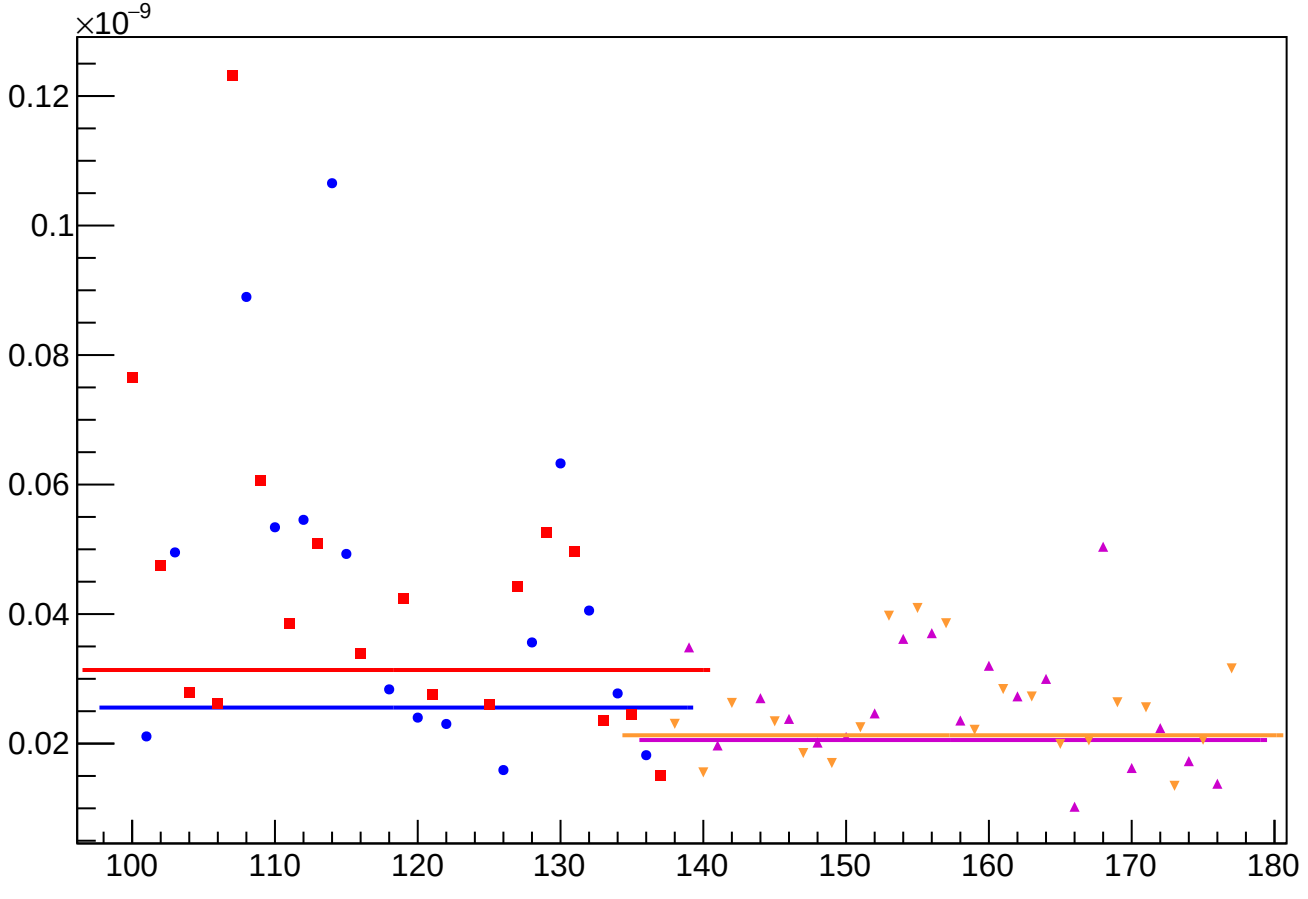
Left: 0.000+/-0.000 χ^2/NDF: 36.7/38

Right: 0.000+/-0.000 χ^2/NDF: 27.0/33

In: 0.000+/-0.000 χ^2/NDF:25.0/34

Out: 0.000+/-0.000 χ^2/NDF:38.8/37

All: 0.000+/-0.000 χ^2/NDF: 63.8/72



Right In: 0.000+/-0.000 χ^2/NDF: 1707801.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1726892.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1228078.8/17

Left In: 0.000+/-0.000 χ^2/NDF:2637717.0/18

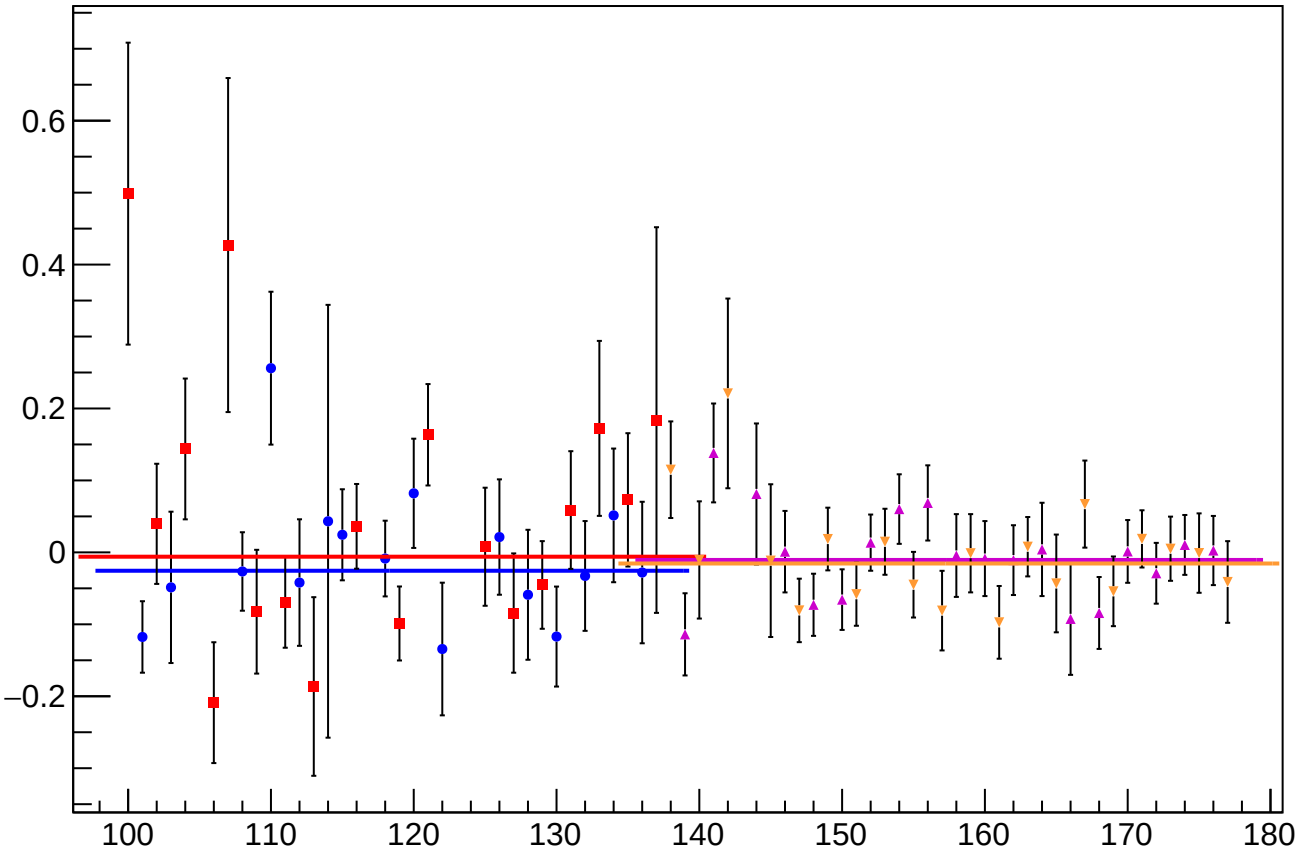
Left: 0.000+/-0.000 χ^2/NDF: 4376783.5/38

Right: 0.000+/-0.000 χ^2/NDF: 3088169.6/33

In: 0.000+/-0.000 χ^2/NDF:4566970.3/34

Out: 0.000+/-0.000 χ^2/NDF:3622009.5/37

All: 0.000+/-0.000 χ^2/NDF: 8231844.6/72



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.015+/-0.012 χ^2/NDF:19.9/19

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.011+/-0.012 χ^2/NDF:21.4/18

Left: -0.013+/-0.008 χ^2/NDF: 41.4/38

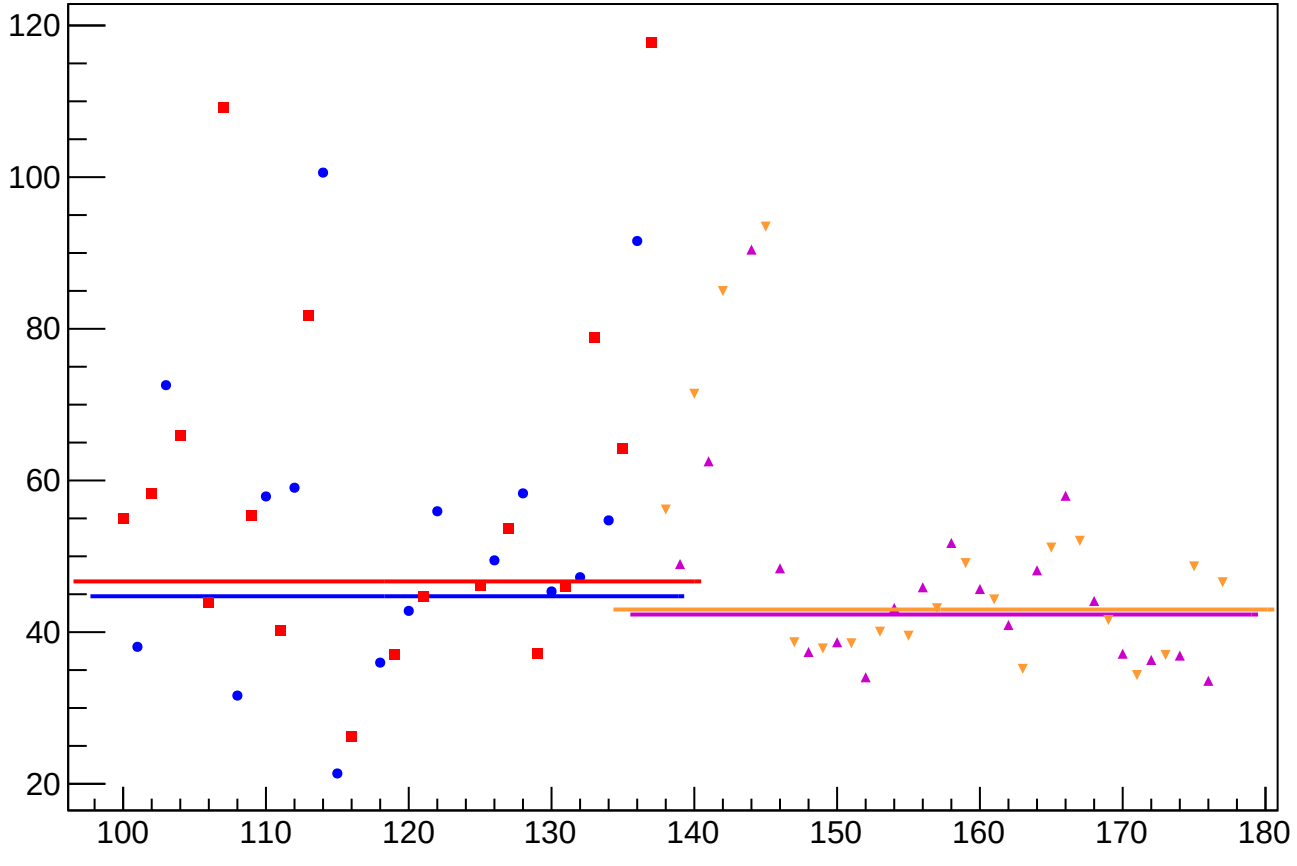
Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.015+/-0.010 χ^2/NDF:39.5/34

Out: -0.013+/-0.010 χ^2/NDF:56.6/37

All: -0.014+/-0.007 χ^2/NDF: 96.1/72

asym_usl_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 44.733+/-0.013 χ^2/NDF: 1334541.9/15

Left Out: 42.986+/-0.008 χ^2/NDF:1397378.8/19

Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

Left In: 42.326+/-0.008 χ^2/NDF:1178244.6/18

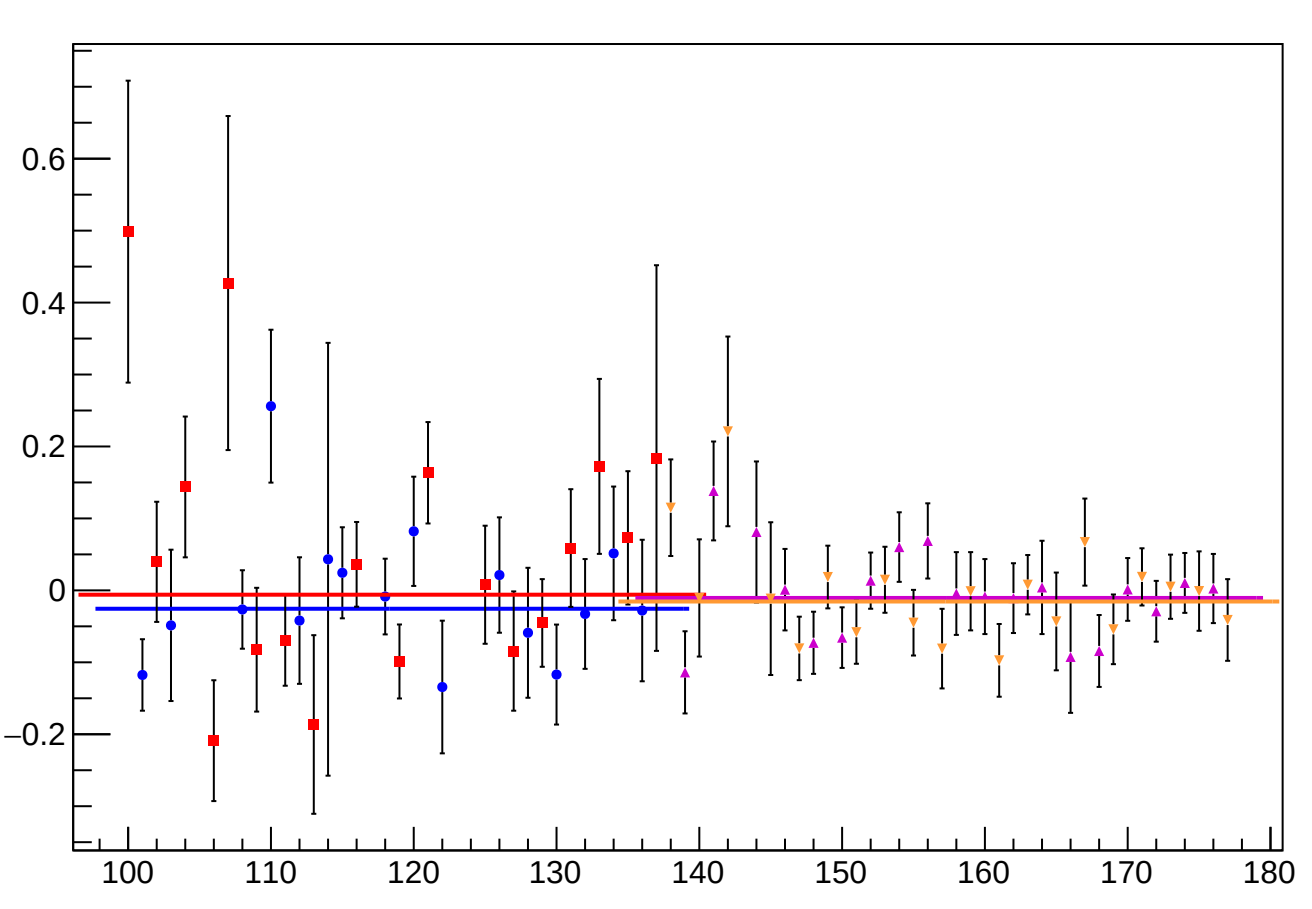
Left: 42.654+/-0.006 χ^2/NDF: 2578856.6/38

Right: 45.680+/-0.010 χ^2/NDF: 2540529.3/33

In: 42.989+/-0.007 χ^2/NDF:2536627.9/34

Out: 43.969+/-0.007 χ^2/NDF:2646467.9/37

All: 43.472+/-0.005 χ^2/NDF: 5192863.8/72



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.015+/-0.012 χ^2/NDF:19.9/19

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.011+/-0.012 χ^2/NDF:21.4/18

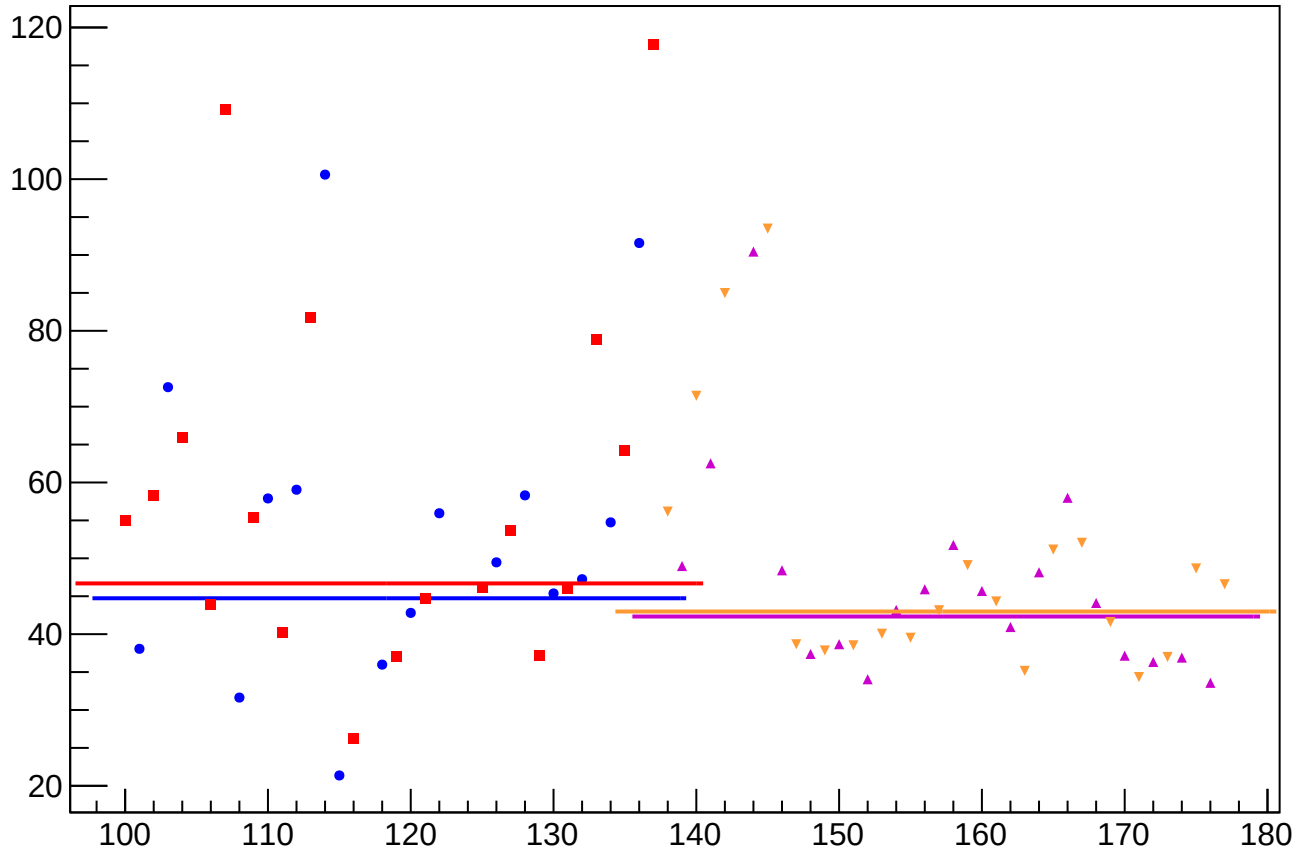
Left: -0.013+/-0.008 χ^2/NDF: 41.4/38

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.015+/-0.010 χ^2/NDF:39.5/34

Out: -0.013+/-0.010 χ^2/NDF:56.6/37

All: -0.014+/-0.007 χ^2/NDF: 96.1/72



Right In: 44.733+/-0.013 χ^2/NDF: 1334541.9/15

Left Out: 42.986+/-0.008 χ^2/NDF:1397378.8/19

Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

Left In: 42.326+/-0.008 χ^2/NDF:1178244.6/18

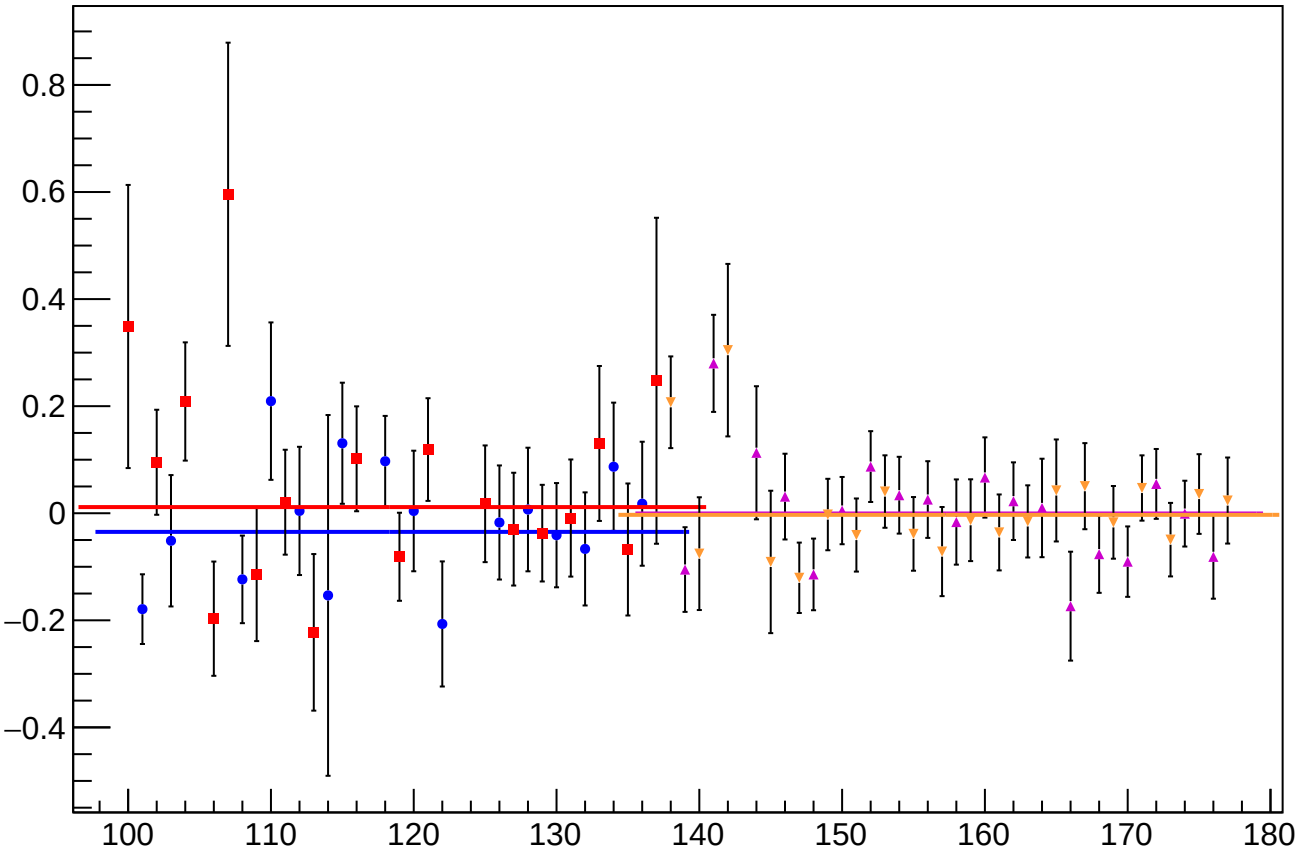
Left: 42.654+/-0.006 χ^2/NDF: 2578856.6/38

Right: 45.680+/-0.010 χ^2/NDF: 2540529.3/33

In: 42.989+/-0.007 χ^2/NDF:2536627.9/34

Out: 43.969+/-0.007 χ^2/NDF:2646467.9/37

All: 43.472+/-0.005 χ^2/NDF: 5192863.8/72



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

Left Out: -0.003+/-0.017 χ^2/NDF:17.9/19

Right Out: 0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: -0.000+/-0.017 χ^2/NDF:25.9/18

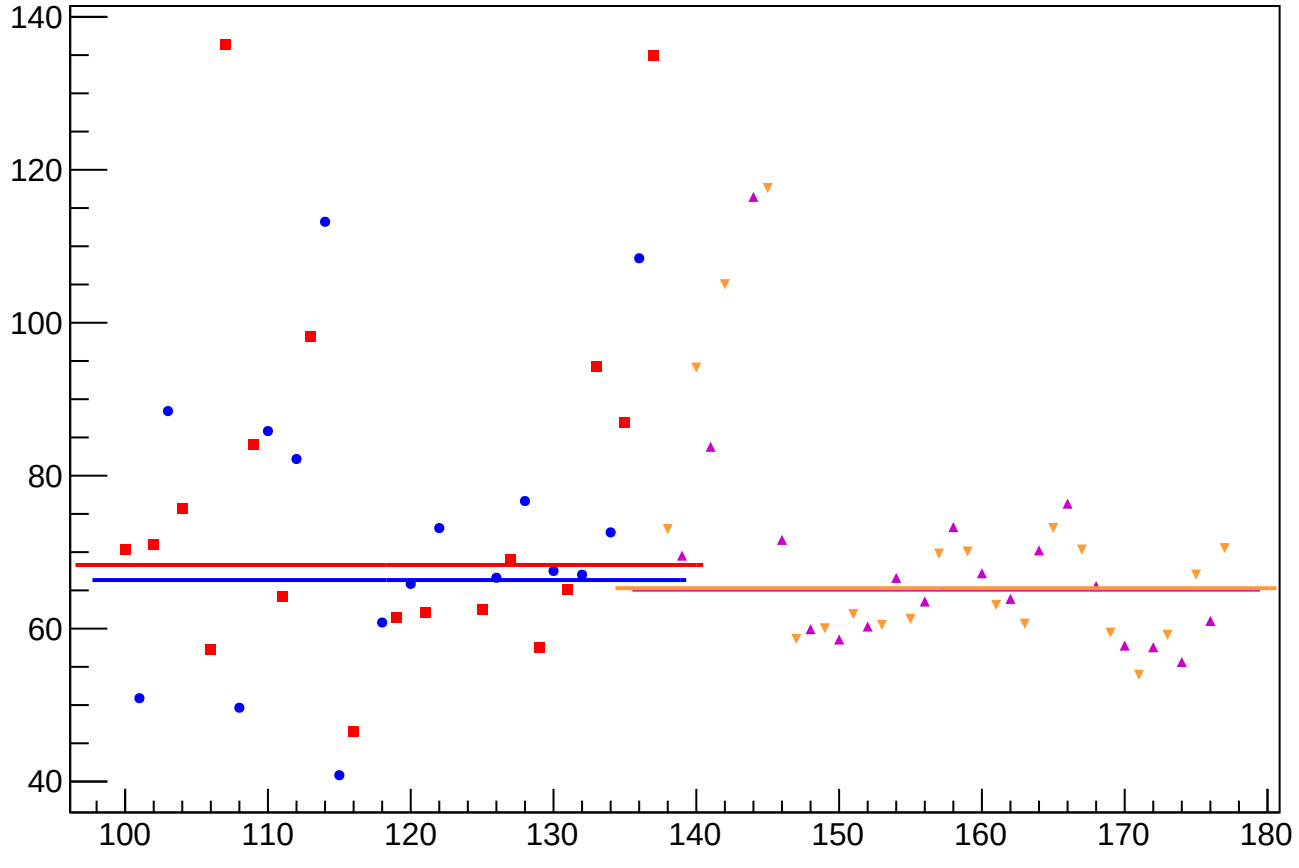
Left: -0.002+/-0.012 χ^2/NDF: 43.9/38

Right: -0.012+/-0.019 χ^2/NDF: 41.7/33

In: -0.011+/-0.014 χ^2/NDF:44.6/34

Out: 0.001+/-0.014 χ^2/NDF:40.9/37

All: -0.005+/-0.010 χ^2/NDF: 85.8/72



Right In: 66.348+/-0.019 χ^2/NDF: 772653.3/15

Left Out: 65.284+/-0.012 χ^2/NDF:808096.2/19

Right Out: 68.322+/-0.019 χ^2/NDF: 629670.0/17

Left In: 65.099+/-0.012 χ^2/NDF:650075.7/18

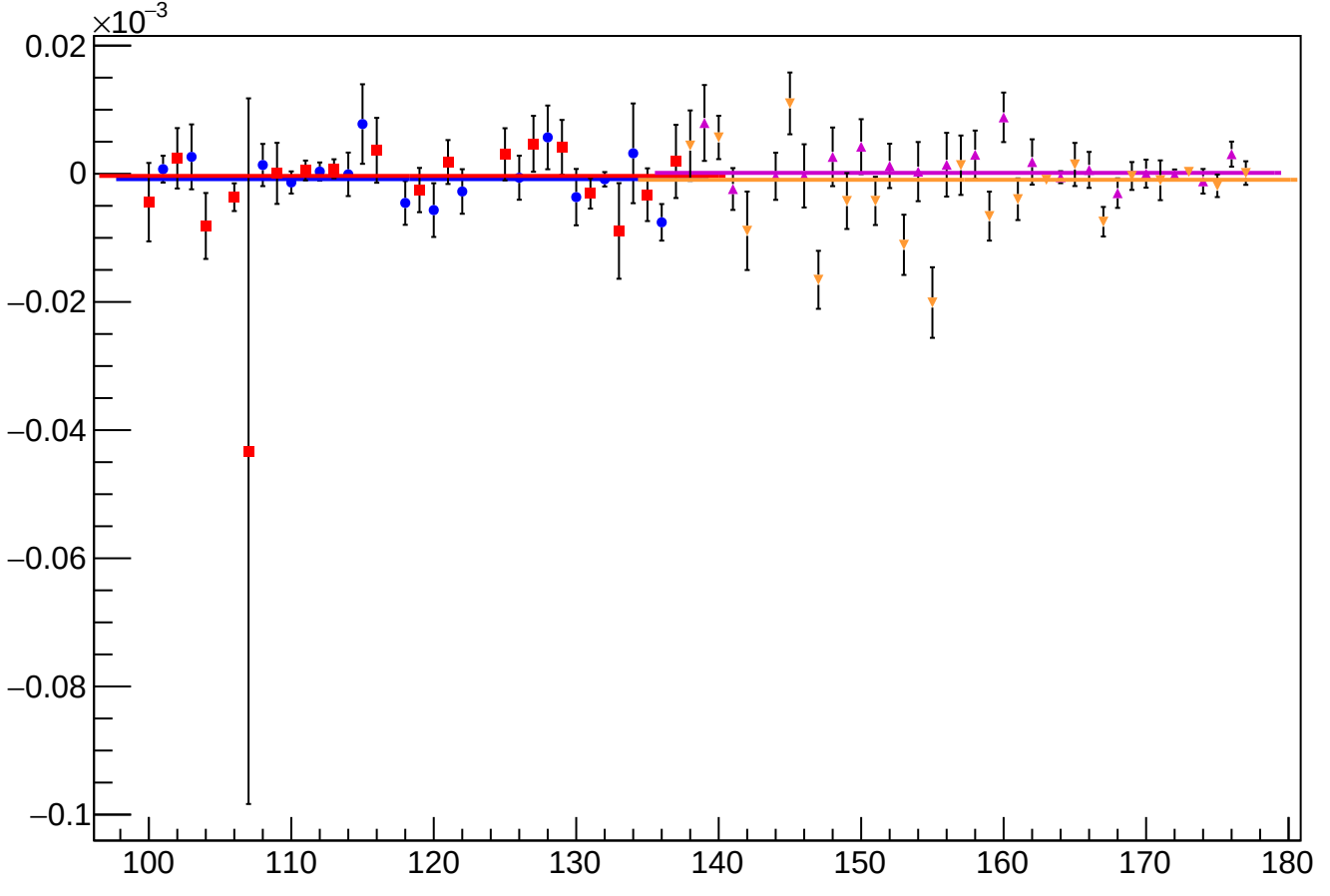
Left: 65.192+/-0.009 χ^2/NDF: 1458288.9/38

Right: 67.312+/-0.013 χ^2/NDF: 1407833.1/33

In: 65.471+/-0.010 χ^2/NDF:1425904.9/34

Out: 66.152+/-0.010 χ^2/NDF:1455987.2/37

All: 65.810+/-0.007 χ^2/NDF: 2884144.1/72



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:58.4/19

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/17

Left In: 0.000+/-0.000 χ^2/NDF:14.8/18

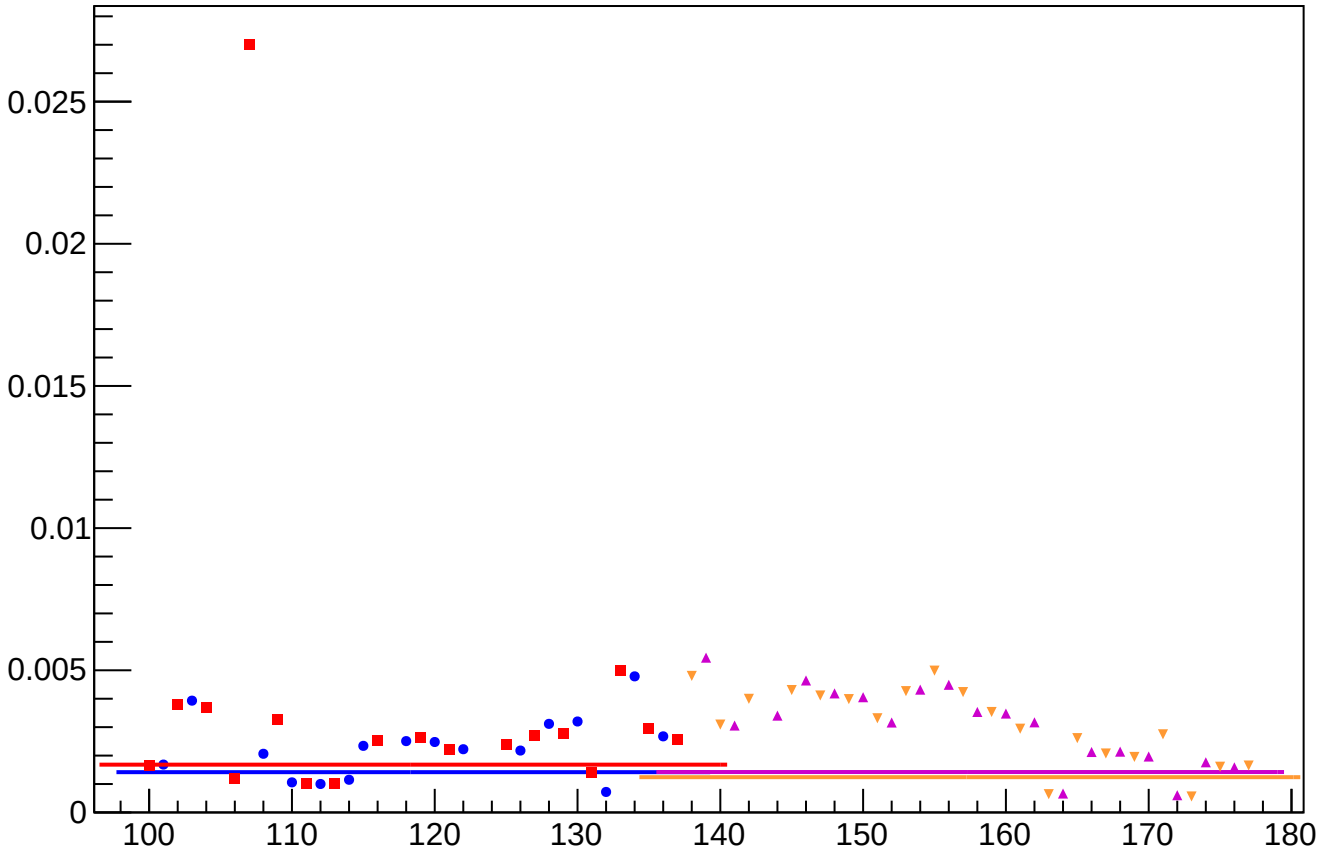
Left: -0.000+/-0.000 χ^2/NDF: 76.1/38

Right: -0.000+/-0.000 χ^2/NDF: 30.1/33

In: -0.000+/-0.000 χ^2/NDF:31.4/34

Out: -0.000+/-0.000 χ^2/NDF:73.8/37

All: -0.000+/-0.000 χ^2/NDF: 106.3/72



Right In: 0.001+/-0.000 χ^2/NDF: 3547259.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:13363320.4/19

Right Out: 0.002+/-0.000 χ^2/NDF: 3427218.5/17

Left In: 0.001+/-0.000 χ^2/NDF:11975310.1/18

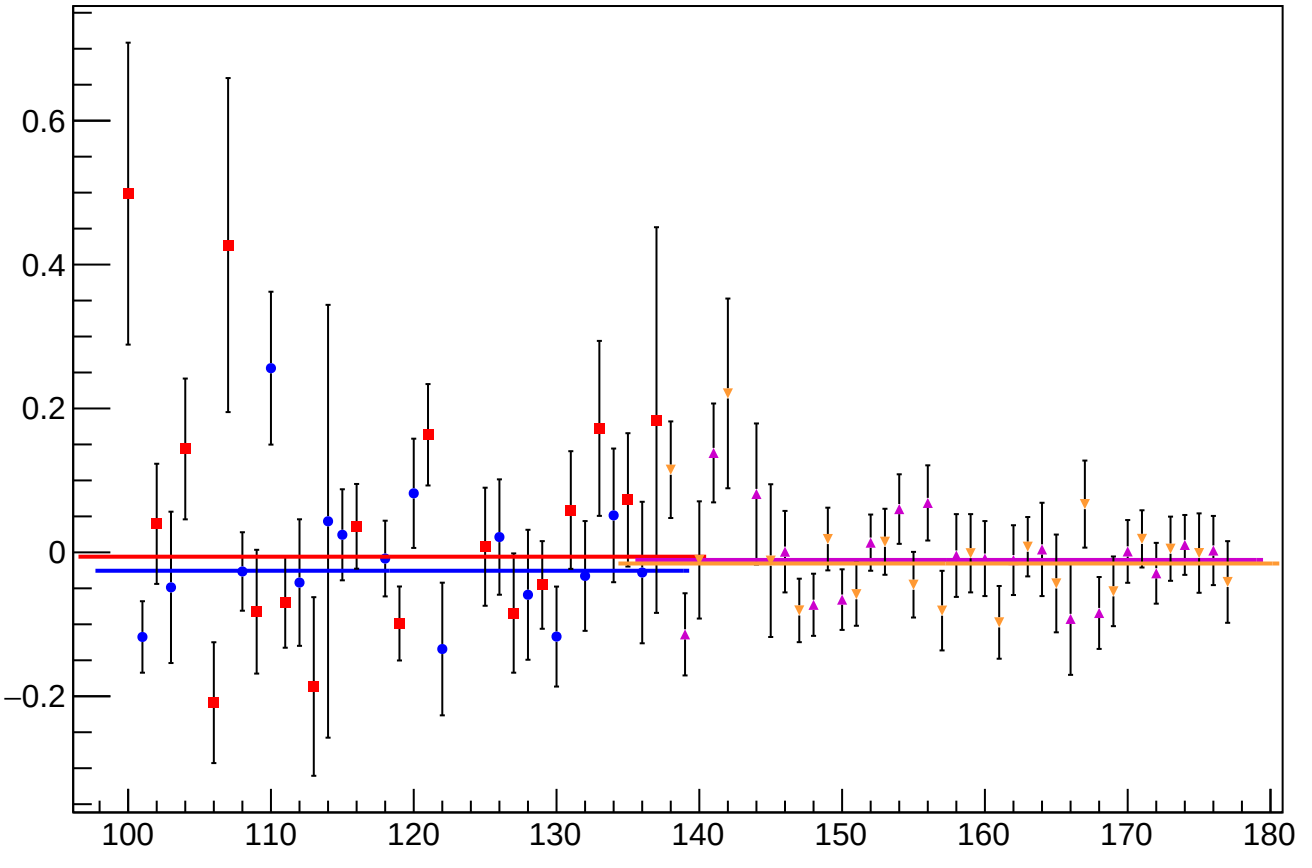
Left: 0.001+/-0.000 χ^2/NDF: 25503186.0/38

Right: 0.002+/-0.000 χ^2/NDF: 7128830.6/33

In: 0.001+/-0.000 χ^2/NDF:15522648.9/34

Out: 0.001+/-0.000 χ^2/NDF:17344519.0/37

All: 0.001+/-0.000 χ^2/NDF: 32901875.6/72



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.015+/-0.012 χ^2/NDF:19.9/19

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.011+/-0.012 χ^2/NDF:21.4/18

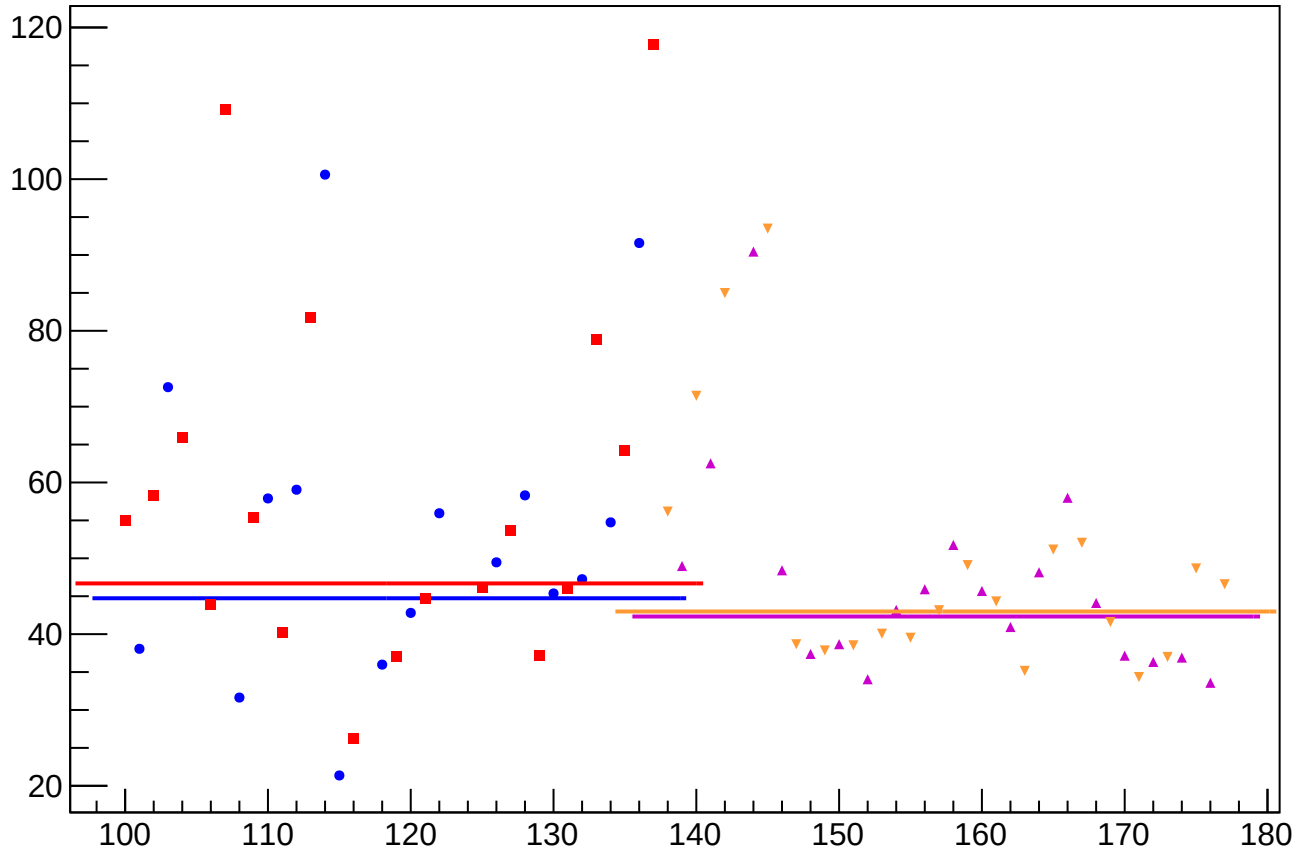
Left: -0.013+/-0.008 χ^2/NDF: 41.4/38

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.015+/-0.010 χ^2/NDF:39.5/34

Out: -0.013+/-0.010 χ^2/NDF:56.6/37

All: -0.014+/-0.007 χ^2/NDF: 96.1/72



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 42.986+/-0.008 χ^2/NDF:1397346.5/19

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 42.327+/-0.008 χ^2/NDF:1178189.5/18

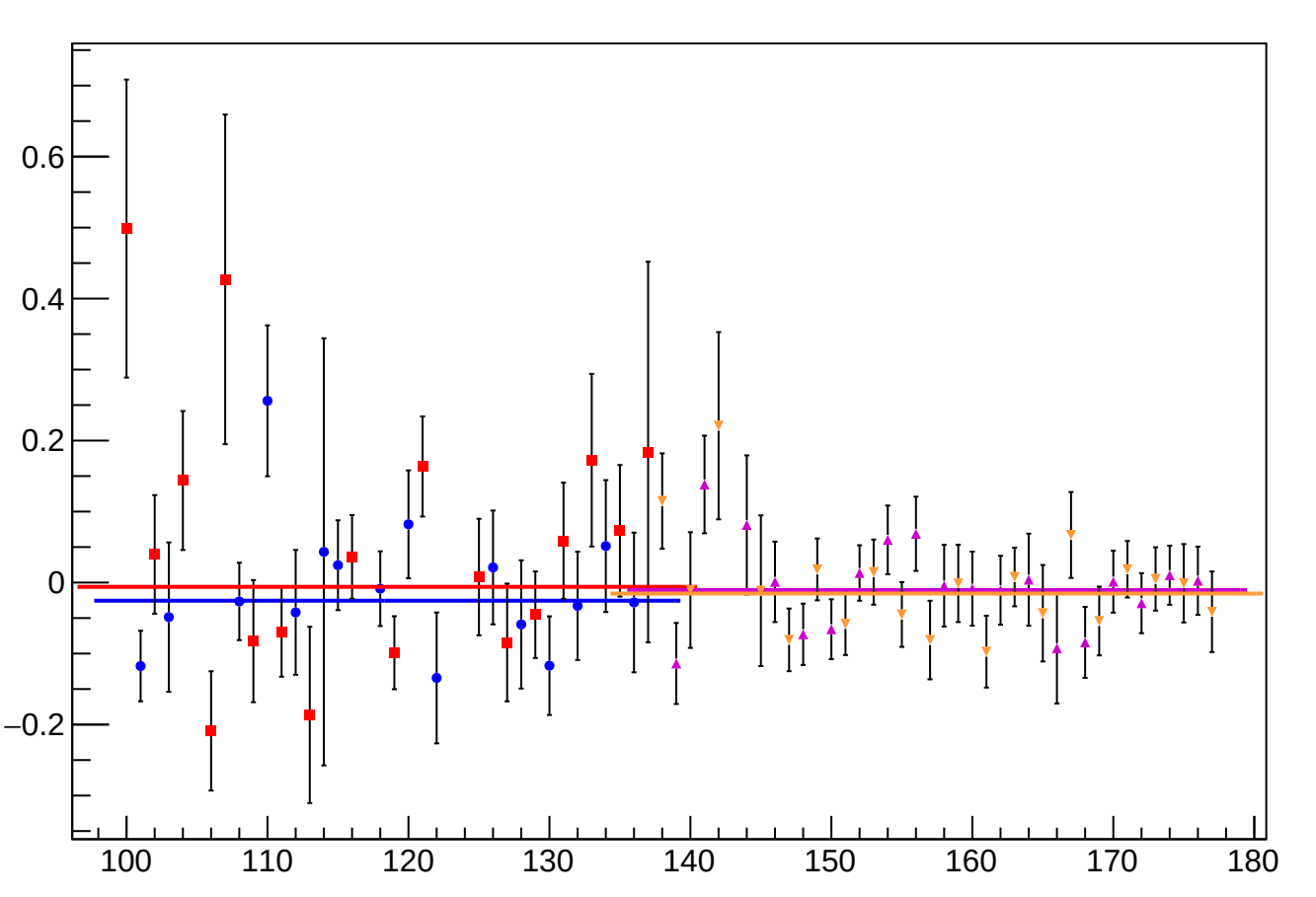
Left: 42.654+/-0.006 χ^2/NDF: 2578767.6/38

Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

In: 42.989+/-0.007 χ^2/NDF:2536610.4/34

Out: 43.969+/-0.007 χ^2/NDF:2646444.6/37

All: 43.472+/-0.005 χ^2/NDF: 5192820.9/72



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.015+/-0.012 χ^2/NDF:19.9/19

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.011+/-0.012 χ^2/NDF:21.4/18

Left: -0.013+/-0.008 χ^2/NDF: 41.4/38

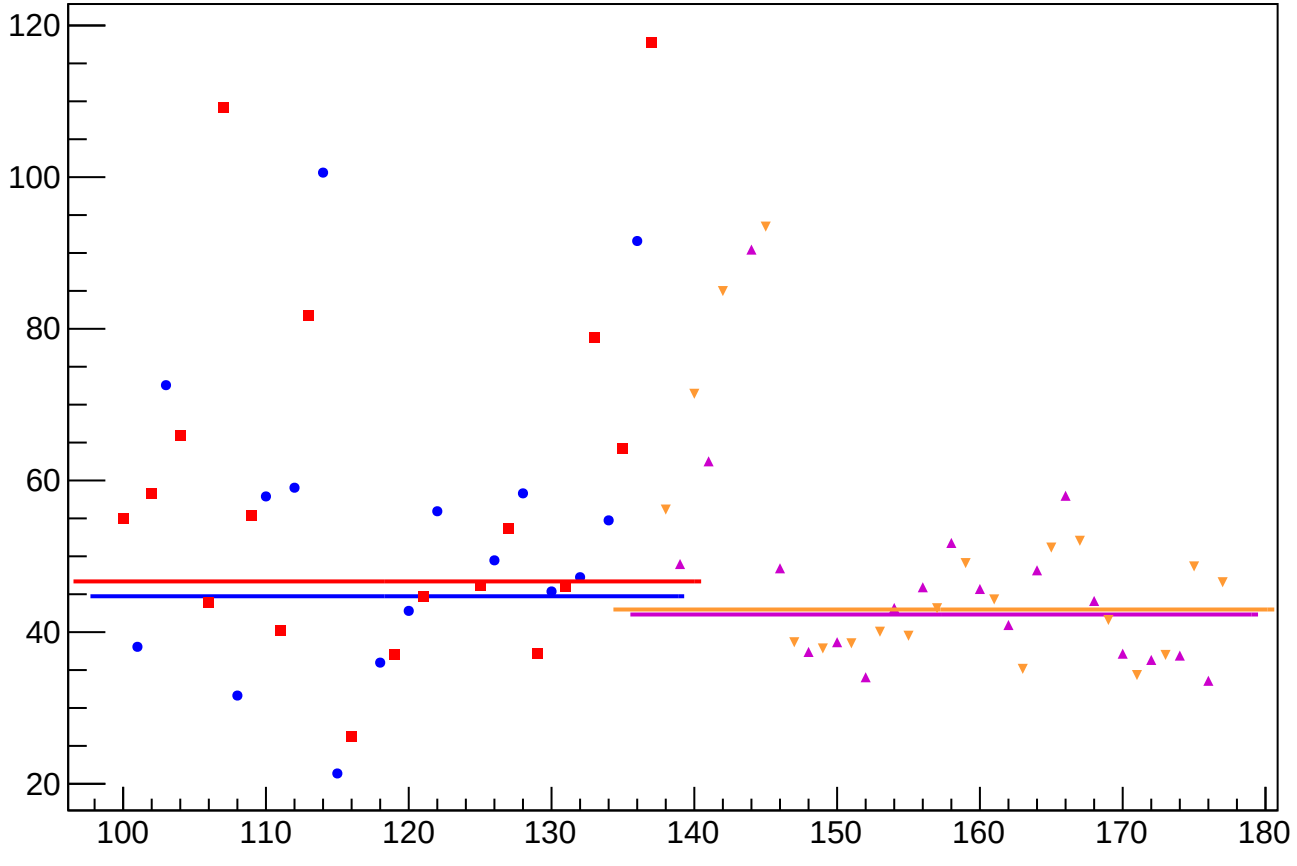
Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.015+/-0.010 χ^2/NDF:39.5/34

Out: -0.013+/-0.010 χ^2/NDF:56.6/37

All: -0.014+/-0.007 χ^2/NDF: 96.1/72

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: 42.986+/-0.008 χ^2/NDF:1397346.5/19

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 42.327+/-0.008 χ^2/NDF:1178189.5/18

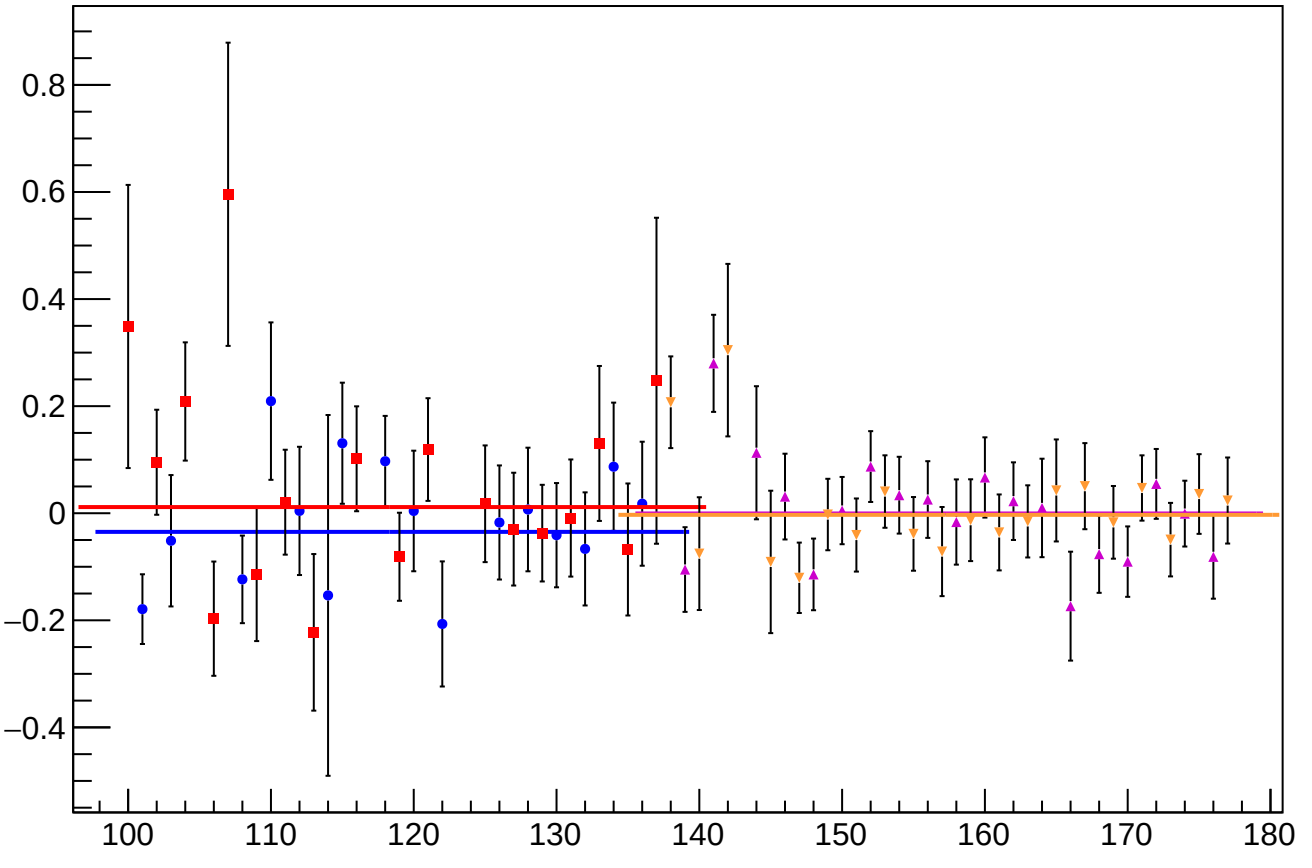
Left: 42.654+/-0.006 χ^2/NDF: 2578767.6/38

Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

In: 42.989+/-0.007 χ^2/NDF:2536610.4/34

Out: 43.969+/-0.007 χ^2/NDF:2646444.6/37

All: 43.472+/-0.005 χ^2/NDF: 5192820.9/72



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

Left Out: -0.003+/-0.017 χ^2/NDF:17.9/19

Right Out: 0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: -0.000+/-0.017 χ^2/NDF:25.9/18

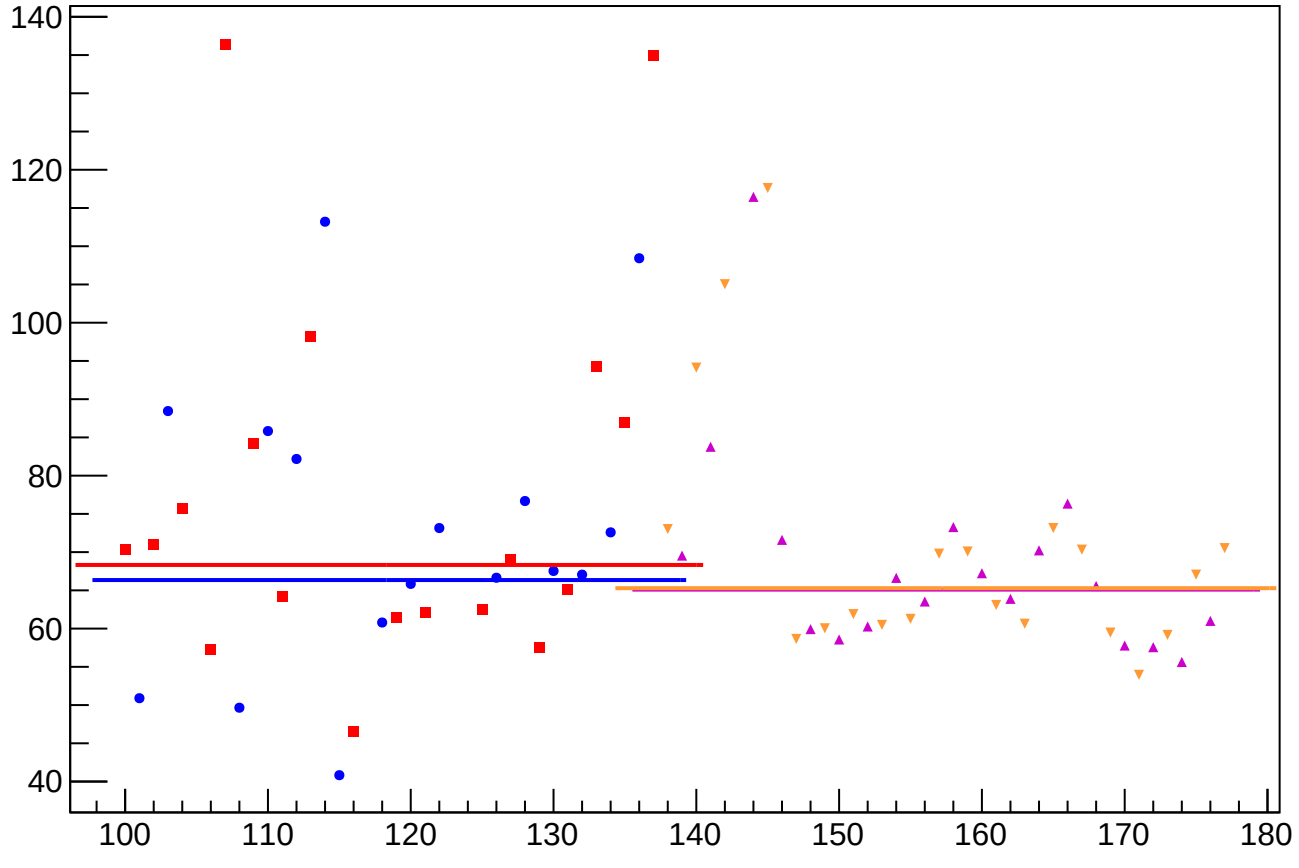
Left: -0.002+/-0.012 χ^2/NDF: 43.9/38

Right: -0.012+/-0.019 χ^2/NDF: 41.7/33

In: -0.011+/-0.014 χ^2/NDF:44.6/34

Out: 0.001+/-0.014 χ^2/NDF:40.9/37

All: -0.005+/-0.010 χ^2/NDF: 85.8/72



Right In: 66.348+/-0.019 χ^2/NDF: 772660.4/15

Left Out: 65.284+/-0.012 χ^2/NDF:808084.1/19

Right Out: 68.321+/-0.019 χ^2/NDF: 629665.7/17

Left In: 65.099+/-0.012 χ^2/NDF:650065.1/18

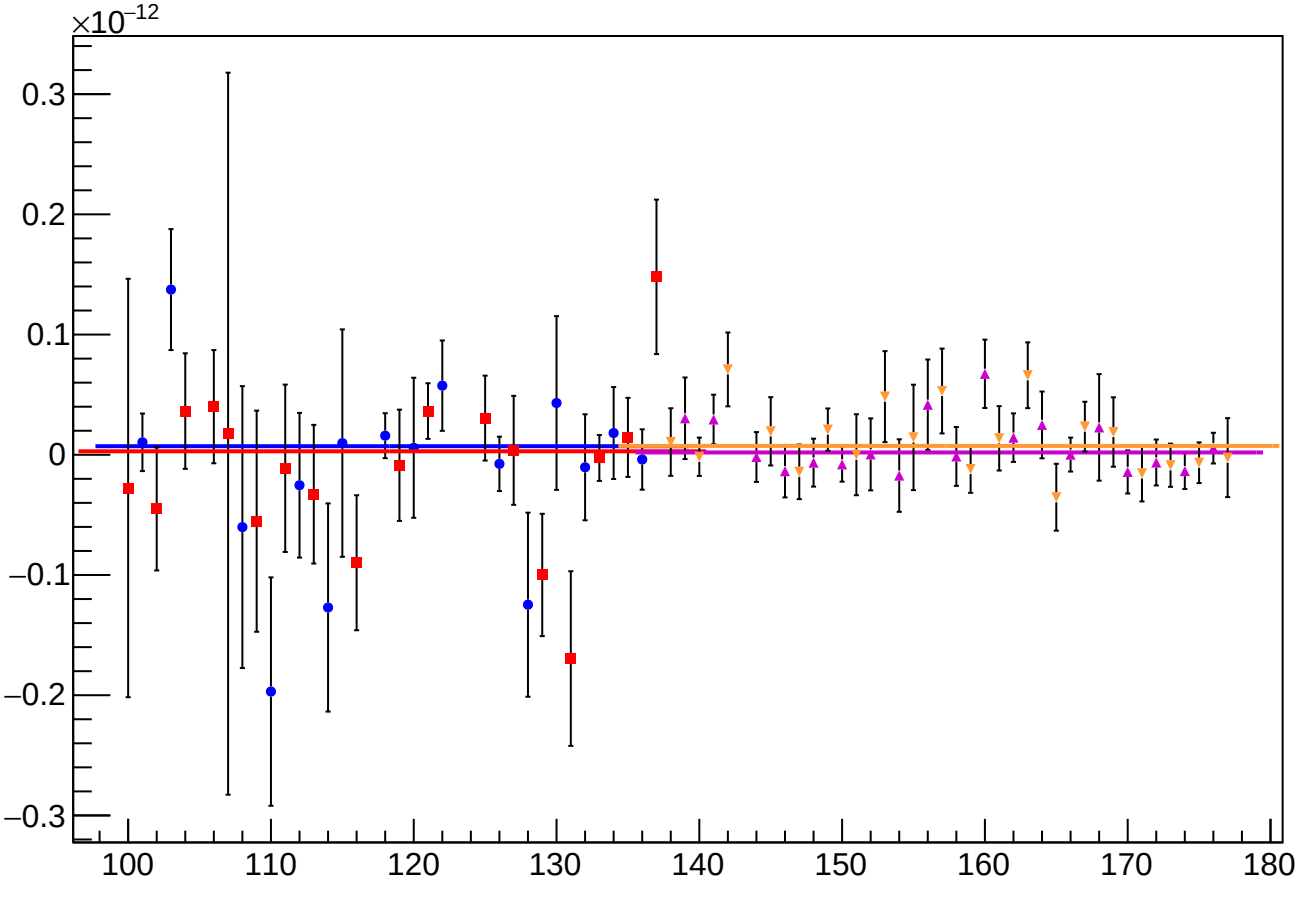
Left: 65.192+/-0.009 χ^2/NDF: 1458266.1/38

Right: 67.311+/-0.013 χ^2/NDF: 1407834.9/33

In: 65.471+/-0.010 χ^2/NDF:1425898.3/34

Out: 66.152+/-0.010 χ^2/NDF:1455961.5/37

All: 65.810+/-0.007 χ^2/NDF: 2884111.3/72



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/17

Left In: 0.000+/-0.000 χ^2/NDF:14.0/18

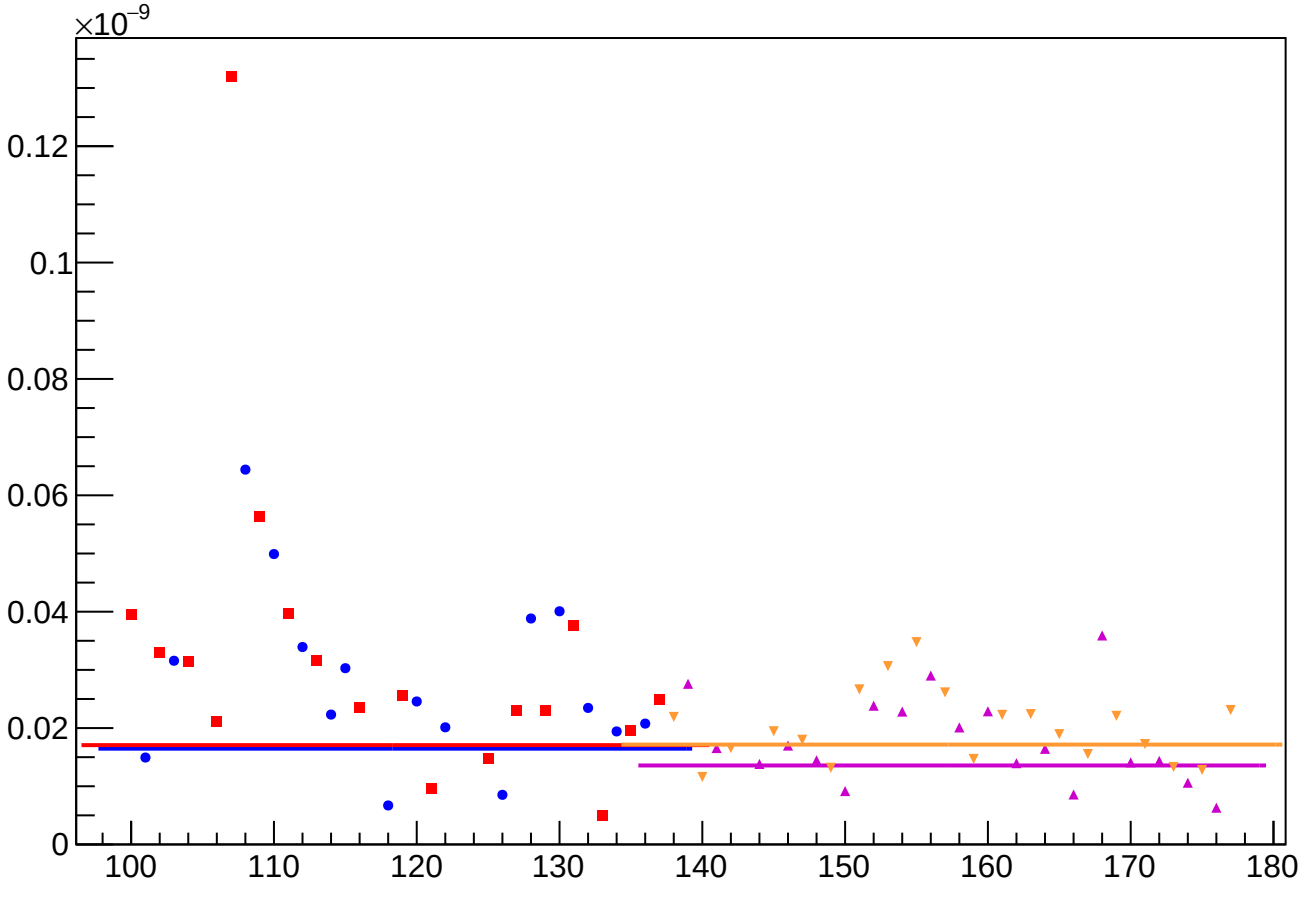
Left: 0.000+/-0.000 χ^2/NDF: 35.0/38

Right: 0.000+/-0.000 χ^2/NDF: 43.9/33

In: 0.000+/-0.000 χ^2/NDF:34.7/34

Out: 0.000+/-0.000 χ^2/NDF:44.0/37

All: 0.000+/-0.000 χ^2/NDF: 79.0/72



Right In: 0.000+/-0.000 χ^2/NDF: 2345888.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1829115.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2791354.7/17

Left In: 0.000+/-0.000 χ^2/NDF:3253529.2/18

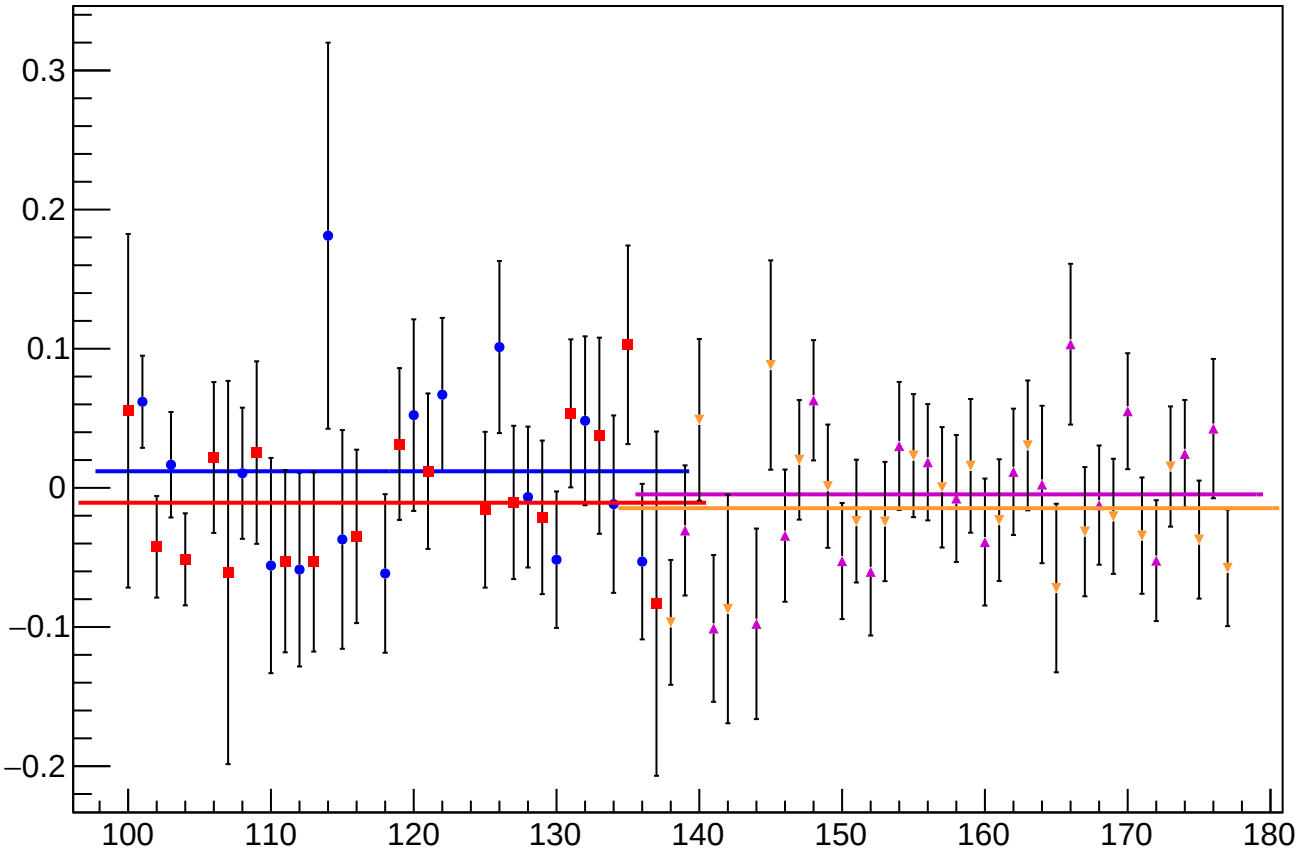
Left: 0.000+/-0.000 χ^2/NDF: 5597629.0/38

Right: 0.000+/-0.000 χ^2/NDF: 5141308.5/33

In: 0.000+/-0.000 χ^2/NDF:5756507.9/34

Out: 0.000+/-0.000 χ^2/NDF:4620613.9/37

All: 0.000+/-0.000 χ^2/NDF: 10831691.2/72



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.015+/-0.010 χ^2/NDF:13.4/19

Right Out: -0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: -0.005+/-0.011 χ^2/NDF:21.0/18

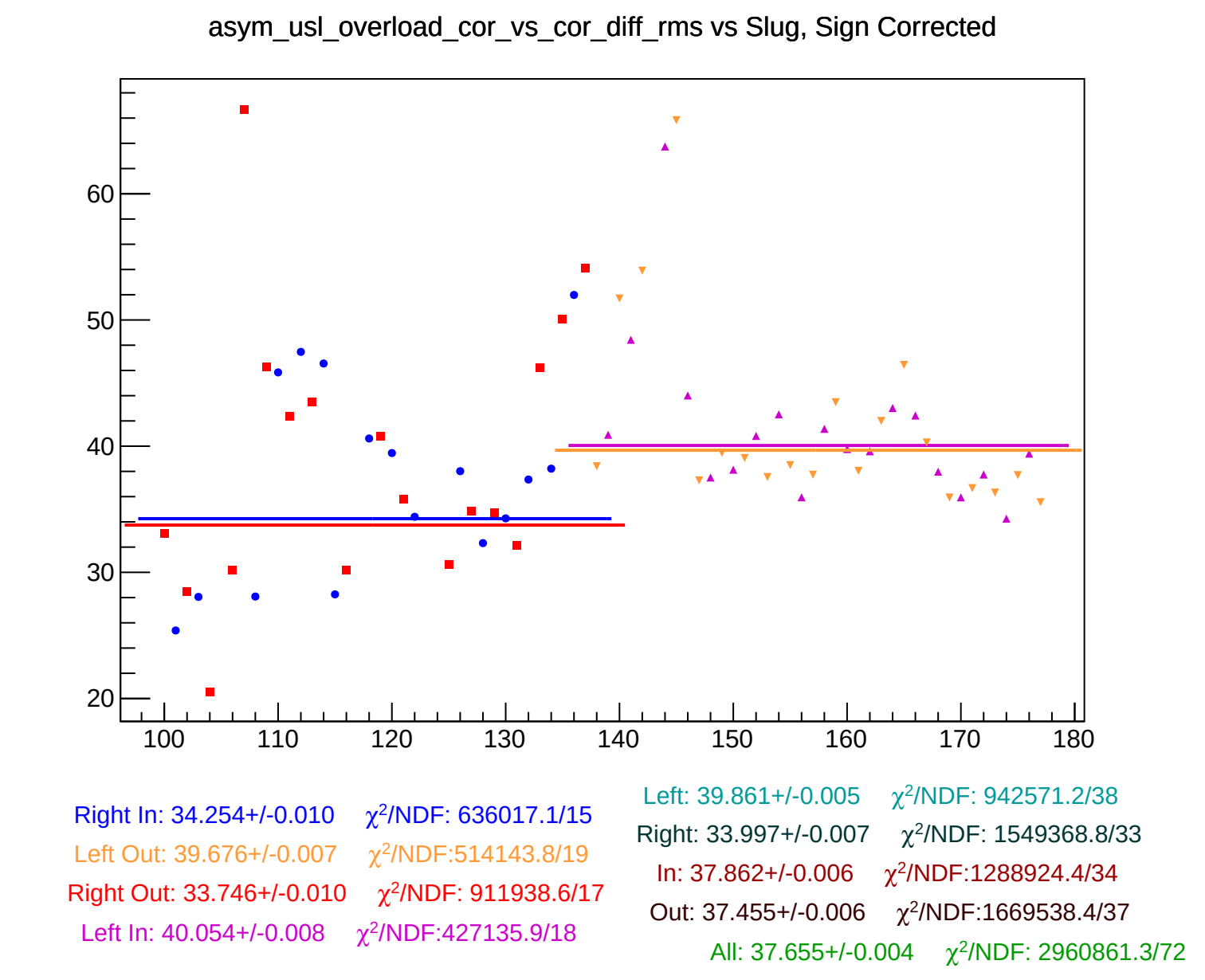
Left: -0.010+/-0.007 χ^2/NDF: 34.8/38

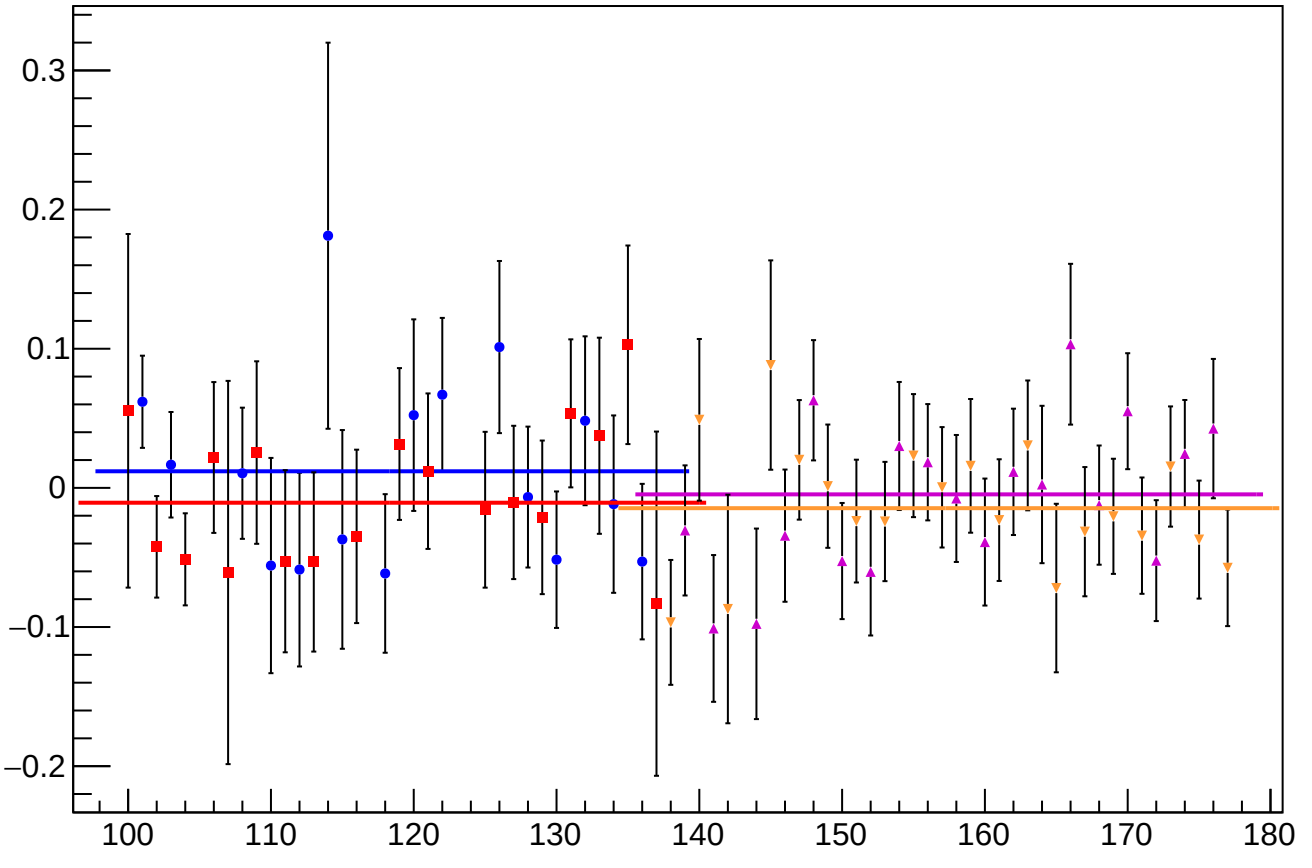
Right: 0.000+/-0.010 χ^2/NDF: 26.0/33

In: 0.002+/-0.008 χ^2/NDF:36.6/34

Out: -0.013+/-0.008 χ^2/NDF:23.4/37

All: -0.006+/-0.006 χ^2/NDF: 61.5/72


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: 39.676+/-0.007 χ²/NDF:514143.8/19
Right Out: 33.746+/-0.010 χ²/NDF: 911938.6/17
Left In: 40.054+/-0.008 χ²/NDF:427135.9/18
Left: 39.861+/-0.005 χ²/NDF: 942571.2/38
Right: 33.997+/-0.007 χ²/NDF: 1549368.8/33
In: 37.862+/-0.006 χ²/NDF:1288924.4/34
Out: 37.455+/-0.006 χ²/NDF:1669538.4/37
All: 37.655+/-0.004 χ²/NDF: 2960861.3/72



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.015+/-0.010 χ^2/NDF:13.4/19

Right Out: -0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: -0.005+/-0.011 χ^2/NDF:21.0/18

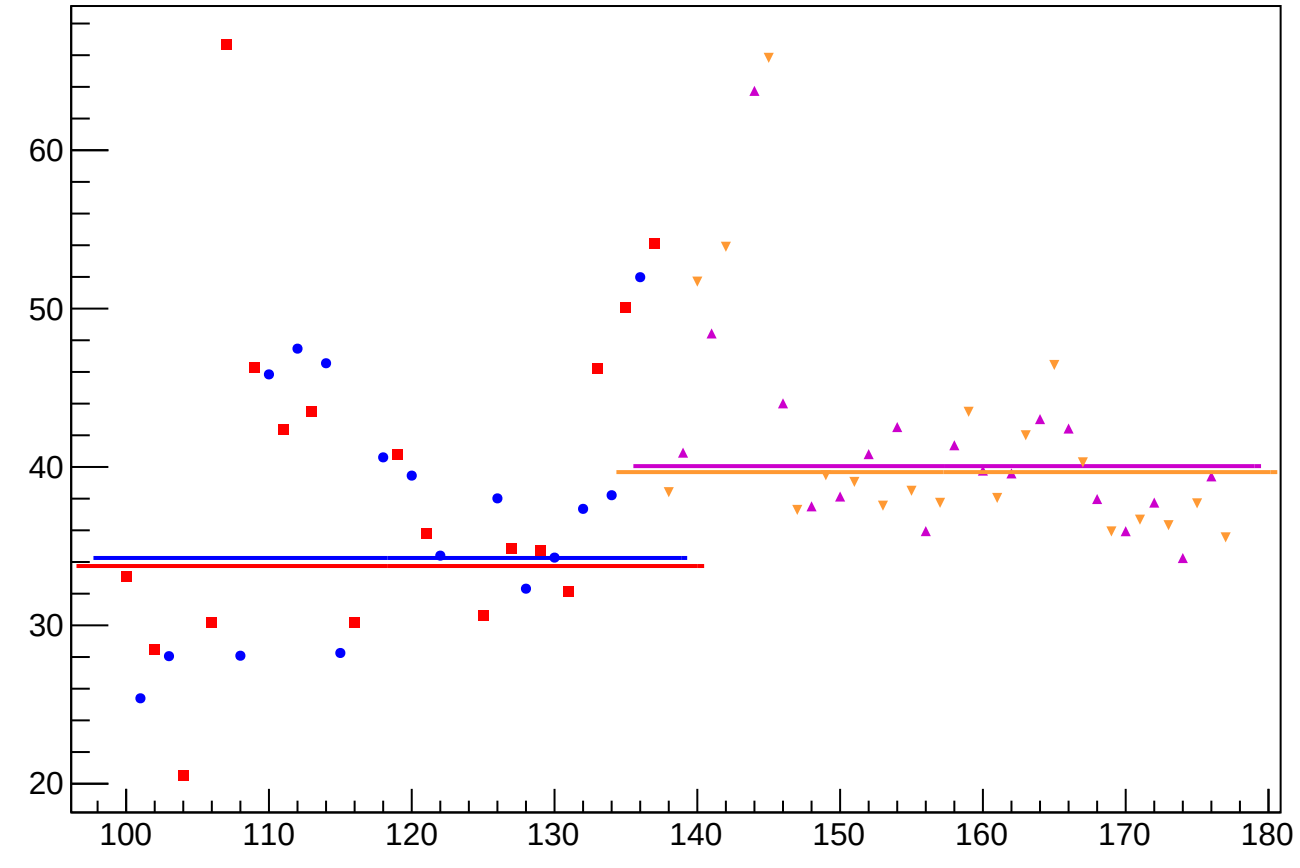
Left: -0.010+/-0.007 χ^2/NDF: 34.8/38

Right: 0.000+/-0.010 χ^2/NDF: 26.0/33

In: 0.002+/-0.008 χ^2/NDF:36.6/34

Out: -0.013+/-0.008 χ^2/NDF:23.4/37

All: -0.006+/-0.006 χ^2/NDF: 61.5/72



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 39.676+/-0.007 χ^2/NDF:514143.8/19

Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 40.054+/-0.008 χ^2/NDF:427135.9/18

Left: 39.861+/-0.005 χ^2/NDF: 942571.2/38

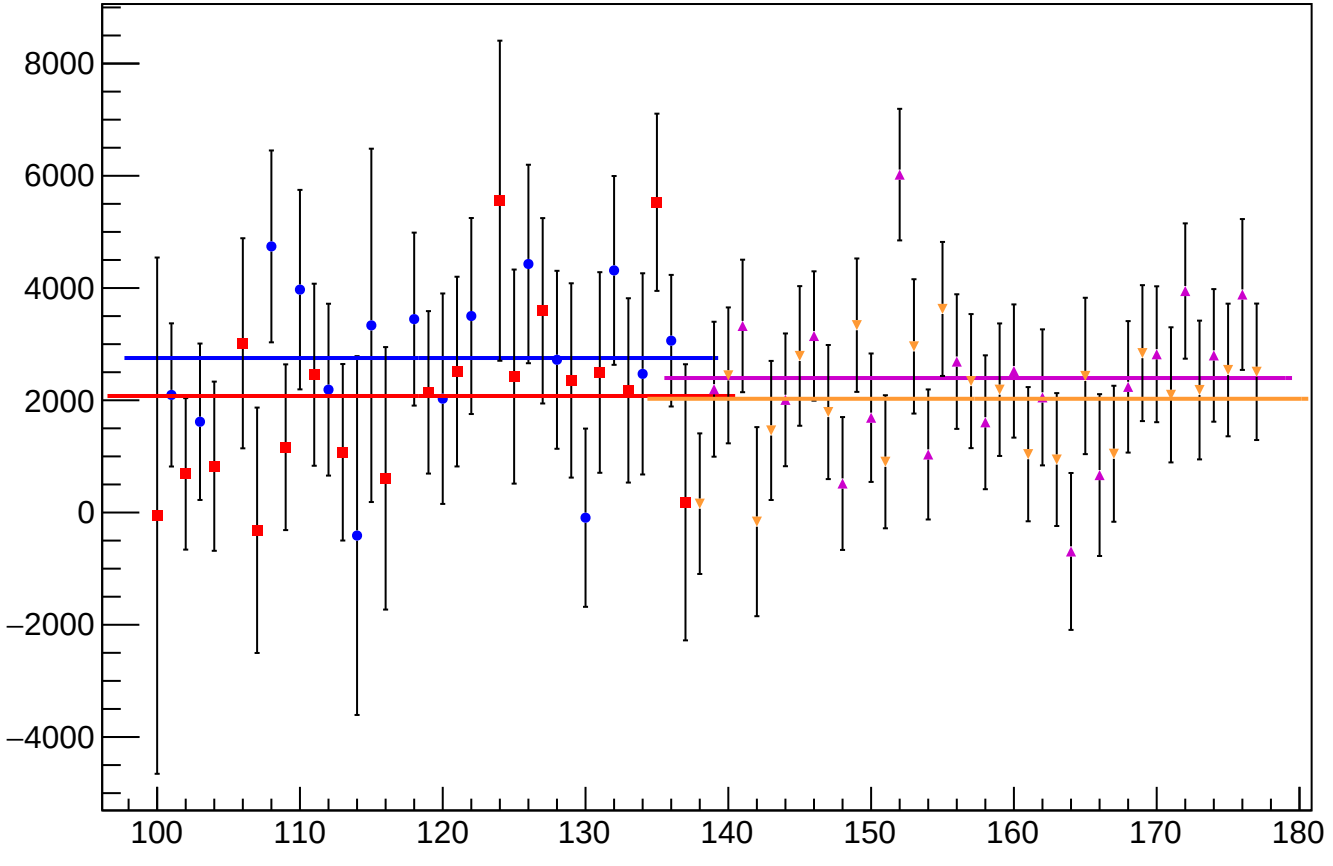
Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 37.862+/-0.006 χ^2/NDF:1288924.4/34

Out: 37.455+/-0.006 χ^2/NDF:1669538.4/37

All: 37.655+/-0.004 χ^2/NDF: 2960861.3/72

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 2026.715+/-267.885 χ^2/NDF:12.3/20

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2396.613+/-277.587 χ^2/NDF:25.1/18

Left: 2205.087+/-192.762 χ^2/NDF: 38.3/39

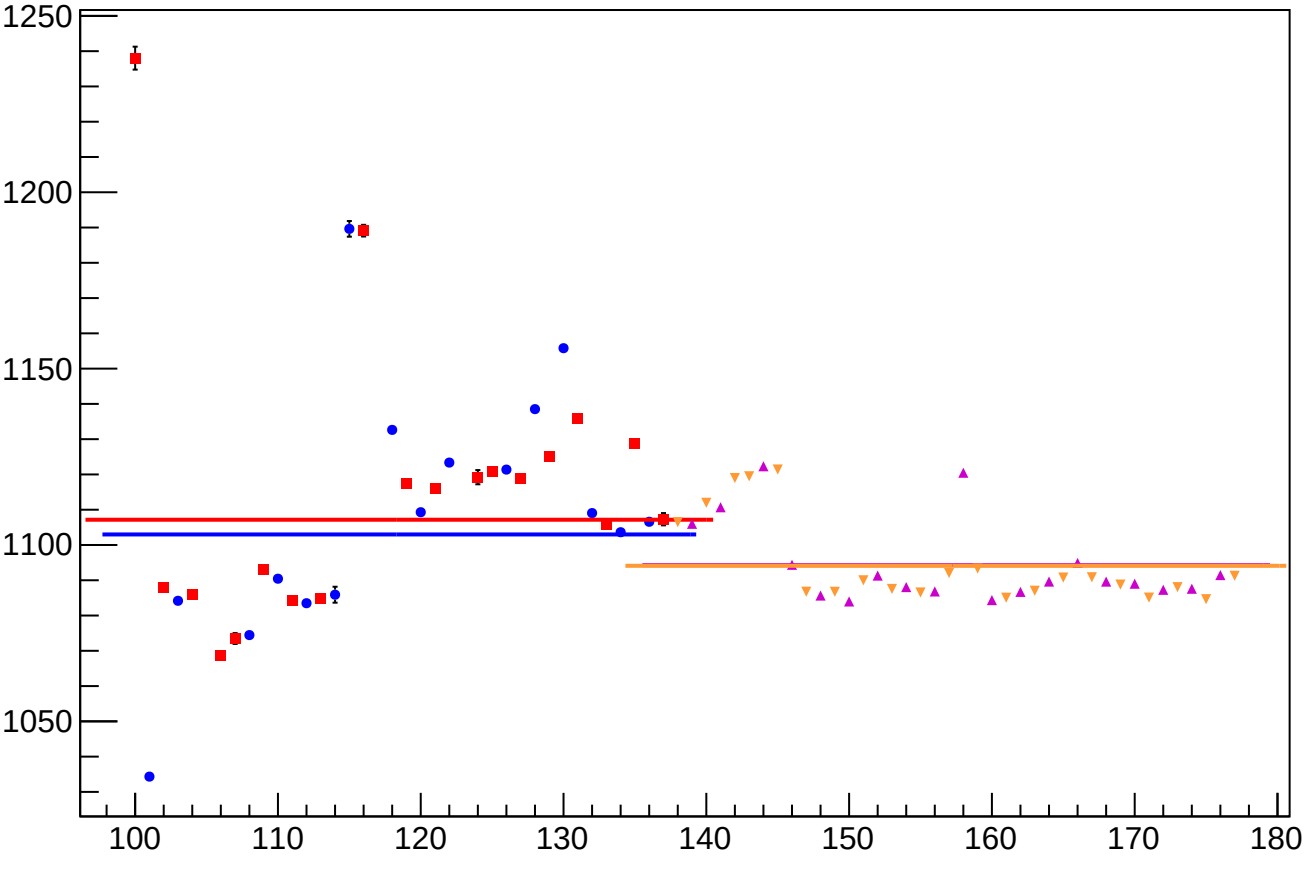
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2508.728+/-229.831 χ^2/NDF:35.1/34

Out: 2041.922+/-223.228 χ^2/NDF:24.9/39

All: 2268.523+/-160.129 χ^2/NDF: 62.1/74

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1094.103+/-0.189 χ^2/NDF:3741.7/20

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1094.286+/-0.196 χ^2/NDF:3530.8/18

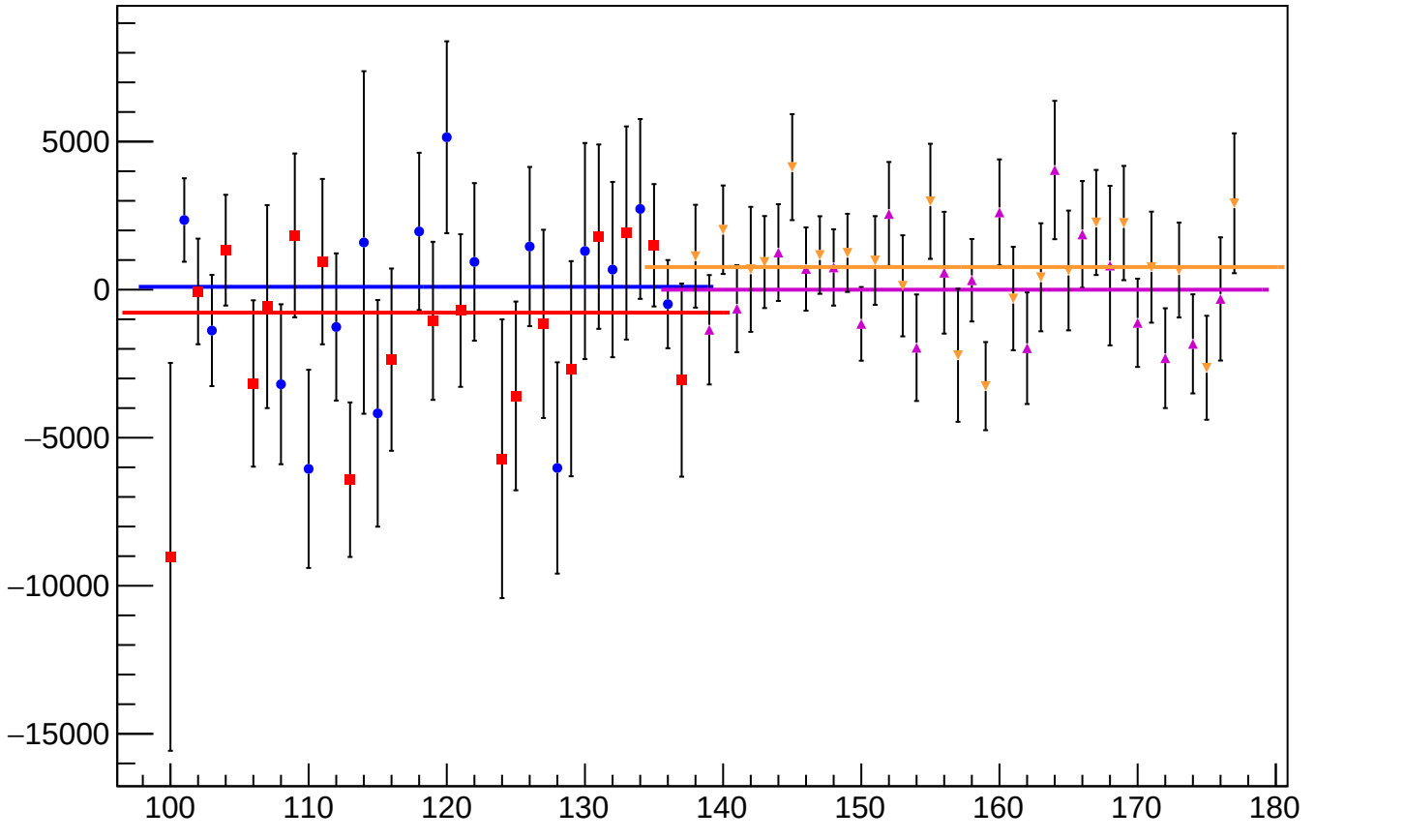
Left: 1094.191+/-0.136 χ^2/NDF: 7273.0/39

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1097.023+/-0.163 χ^2/NDF:17372.7/34

Out: 1098.093+/-0.158 χ^2/NDF:13877.1/39

All: 1097.573+/-0.113 χ^2/NDF: 31272.1/74



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 764.053+/-371.971 χ^2/NDF:21.4/20

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: -1.455+/-381.181 χ^2/NDF:17.2/18

Left: 390.658+/-266.220 χ^2/NDF: 40.7/39

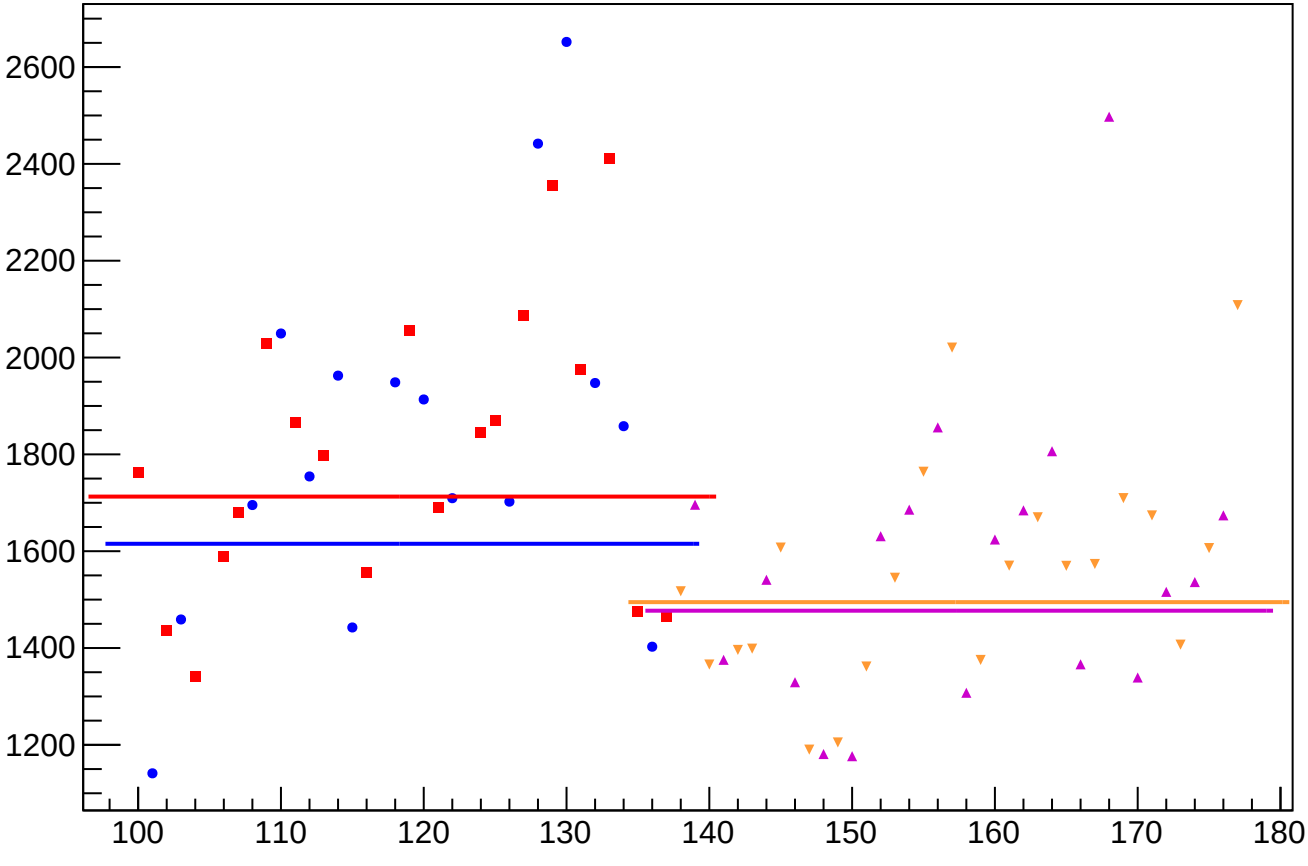
Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: 25.384+/-324.445 χ^2/NDF:34.2/34

Out: 372.162+/-321.211 χ^2/NDF:40.8/39

All: 200.510+/-228.265 χ^2/NDF: 75.6/74

asym_usr_reg_correction_rms vs Slug, Sign Corrected



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1494.785+/-0.263 χ^2/NDF:639017.5/20

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1477.088+/-0.270 χ^2/NDF:835405.3/18

Left: 1486.153+/-0.188 χ^2/NDF: 1476630.8/39

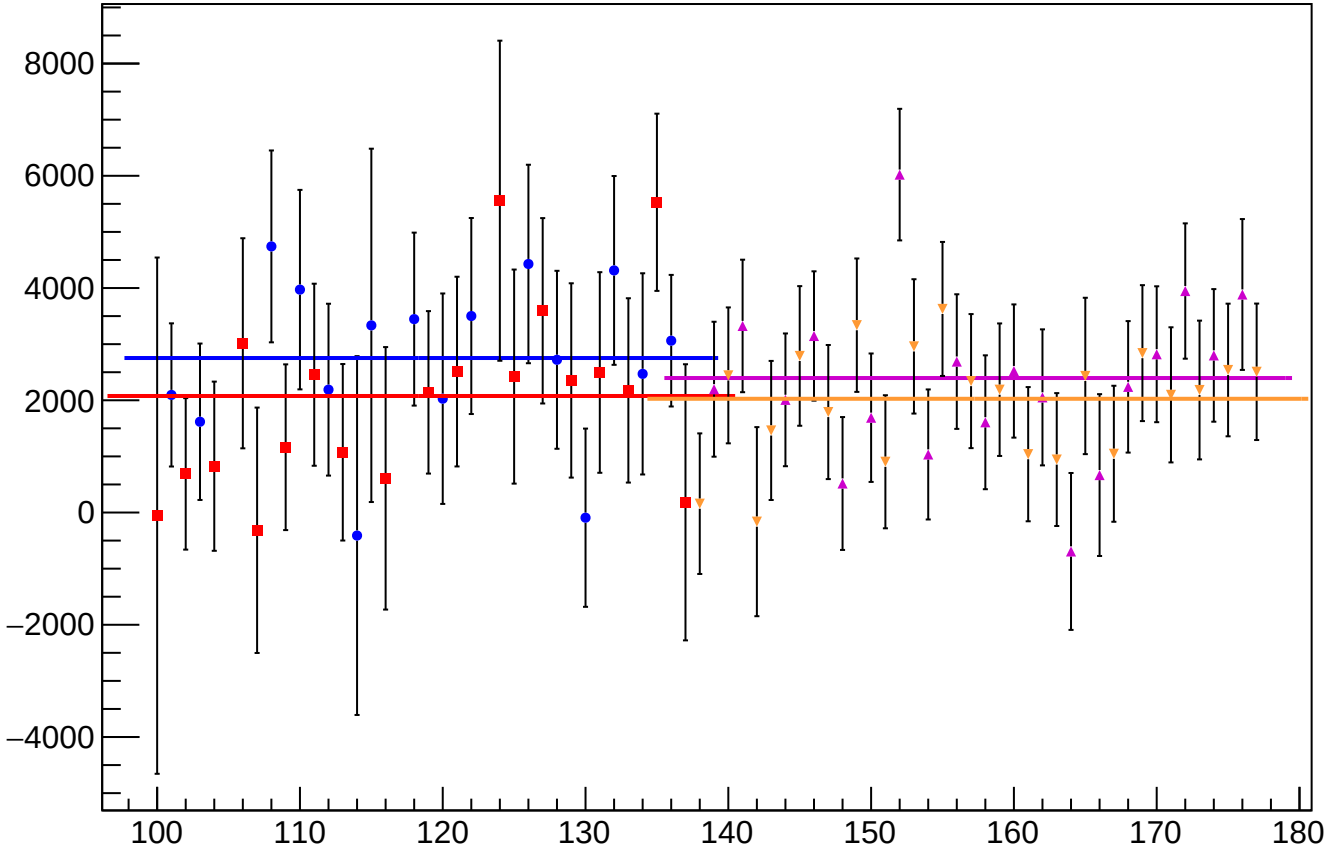
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1515.174+/-0.229 χ^2/NDF:1601500.1/34

Out: 1550.226+/-0.227 χ^2/NDF:1241795.6/39

All: 1532.876+/-0.161 χ^2/NDF: 2855084.4/74

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 2026.715+/-267.885 χ^2/NDF:12.3/20

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2396.613+/-277.587 χ^2/NDF:25.1/18

Left: 2205.087+/-192.762 χ^2/NDF: 38.3/39

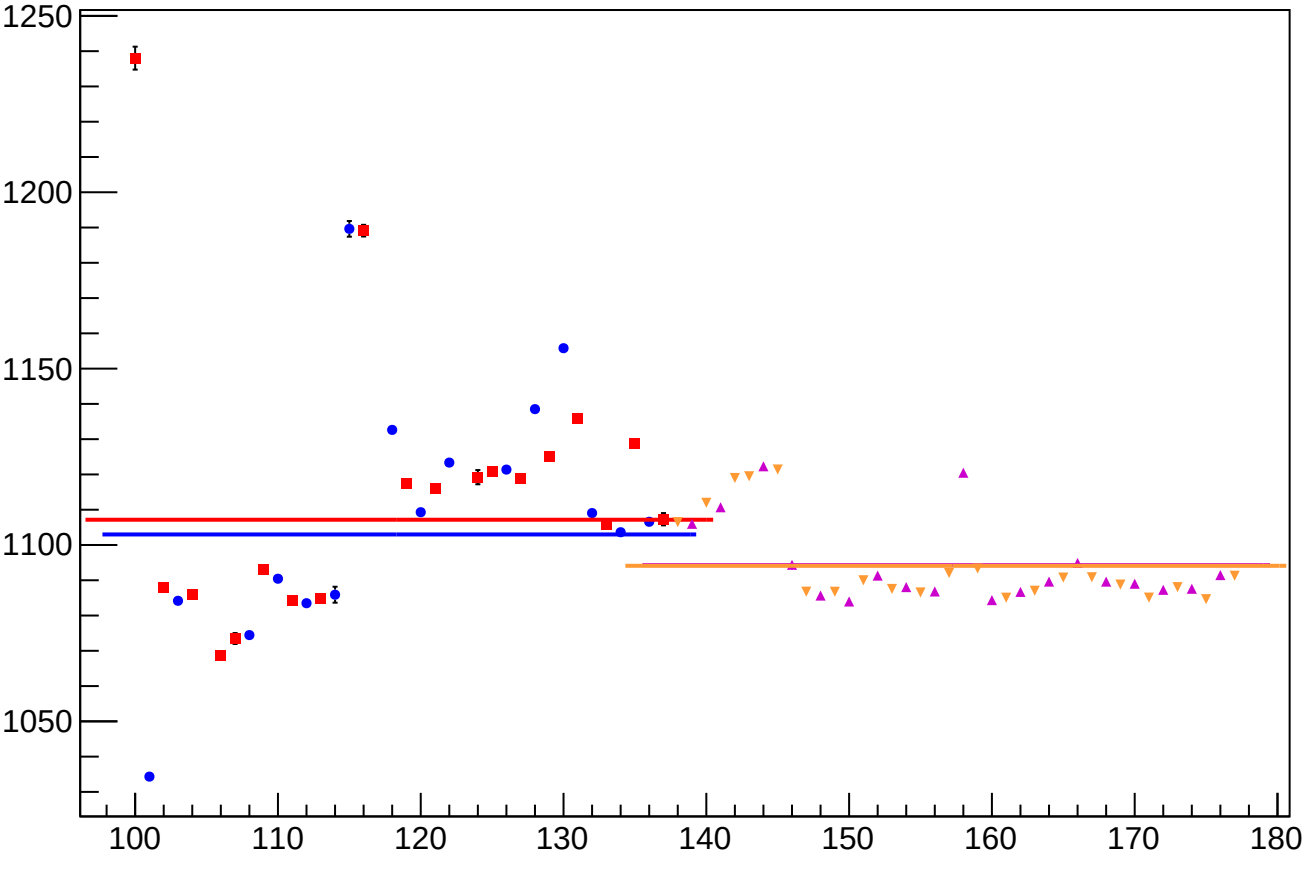
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2508.728+/-229.831 χ^2/NDF:35.1/34

Out: 2041.922+/-223.228 χ^2/NDF:24.9/39

All: 2268.523+/-160.129 χ^2/NDF: 62.1/74

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1094.103+/-0.189 χ^2/NDF:3741.7/20

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1094.286+/-0.196 χ^2/NDF:3530.8/18

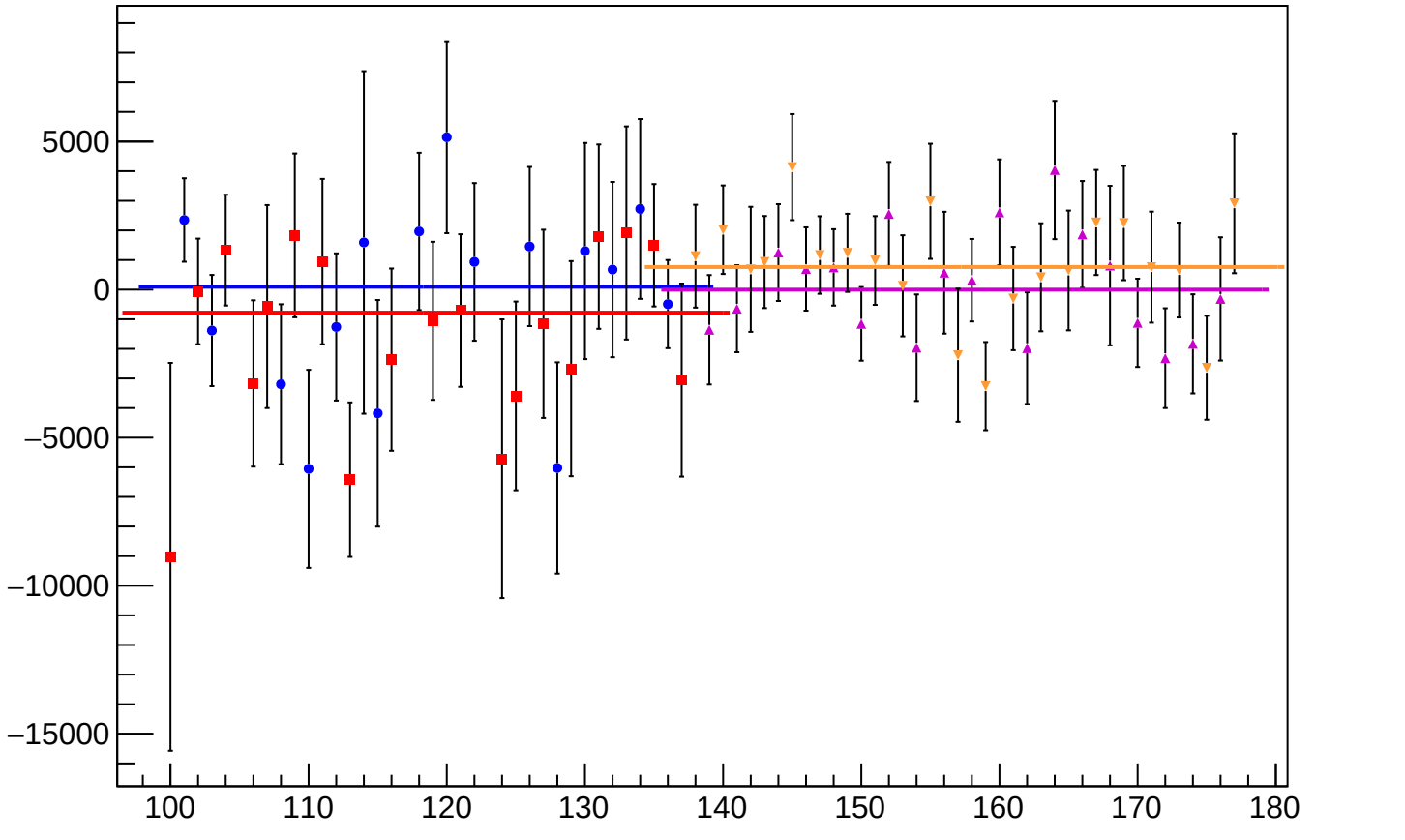
Left: 1094.191+/-0.136 χ^2/NDF: 7273.0/39

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1097.023+/-0.163 χ^2/NDF:17372.7/34

Out: 1098.093+/-0.158 χ^2/NDF:13877.1/39

All: 1097.573+/-0.113 χ^2/NDF: 31272.1/74



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 764.053+/-371.971 χ^2/NDF:21.4/20

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: -1.455+/-381.181 χ^2/NDF:17.2/18

Left: 390.658+/-266.220 χ^2/NDF: 40.7/39

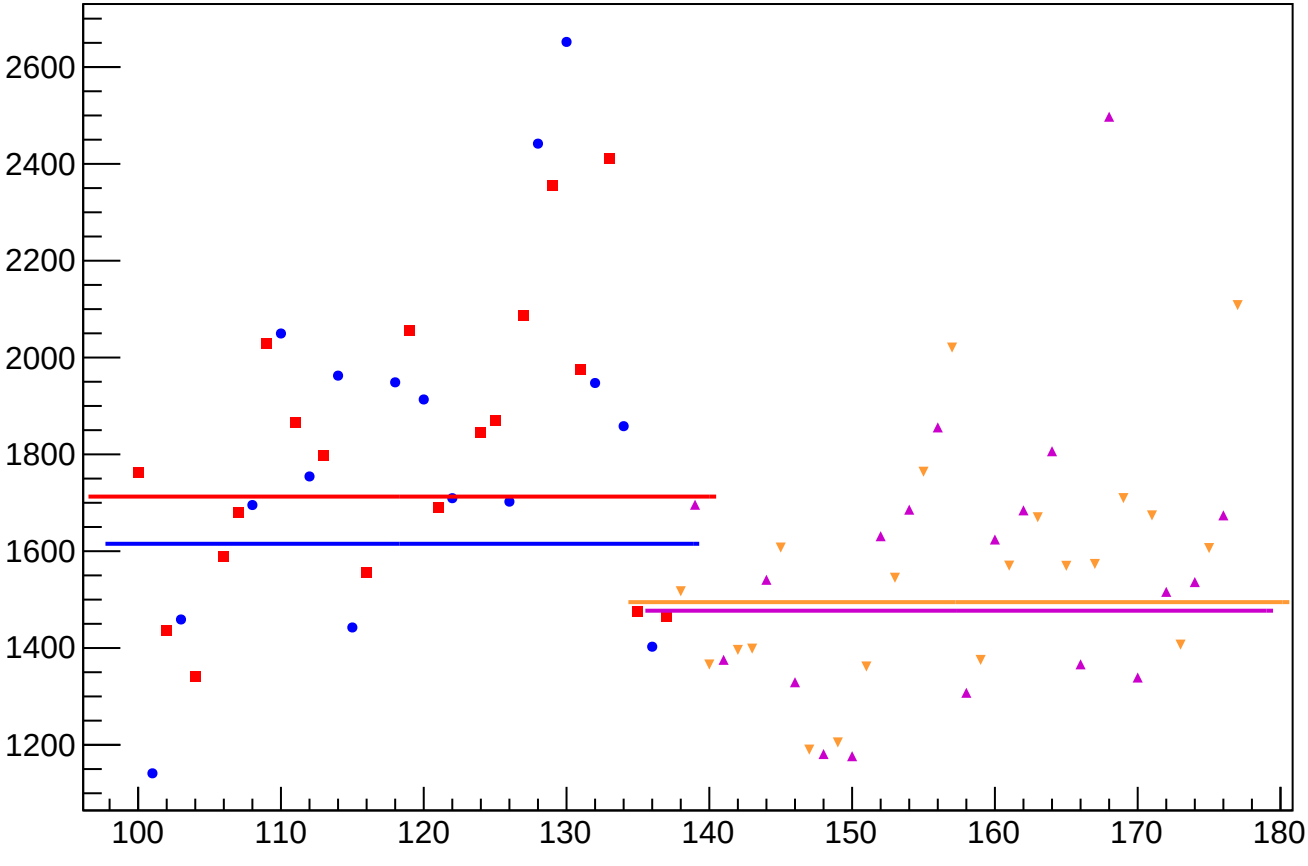
Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: 25.384+/-324.445 χ^2/NDF:34.2/34

Out: 372.162+/-321.211 χ^2/NDF:40.8/39

All: 200.510+/-228.265 χ^2/NDF: 75.6/74

asym_usr_cor_correction_rms vs Slug, Sign Corrected



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1494.785+/-0.263 χ^2/NDF:639017.5/20

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1477.088+/-0.270 χ^2/NDF:835405.3/18

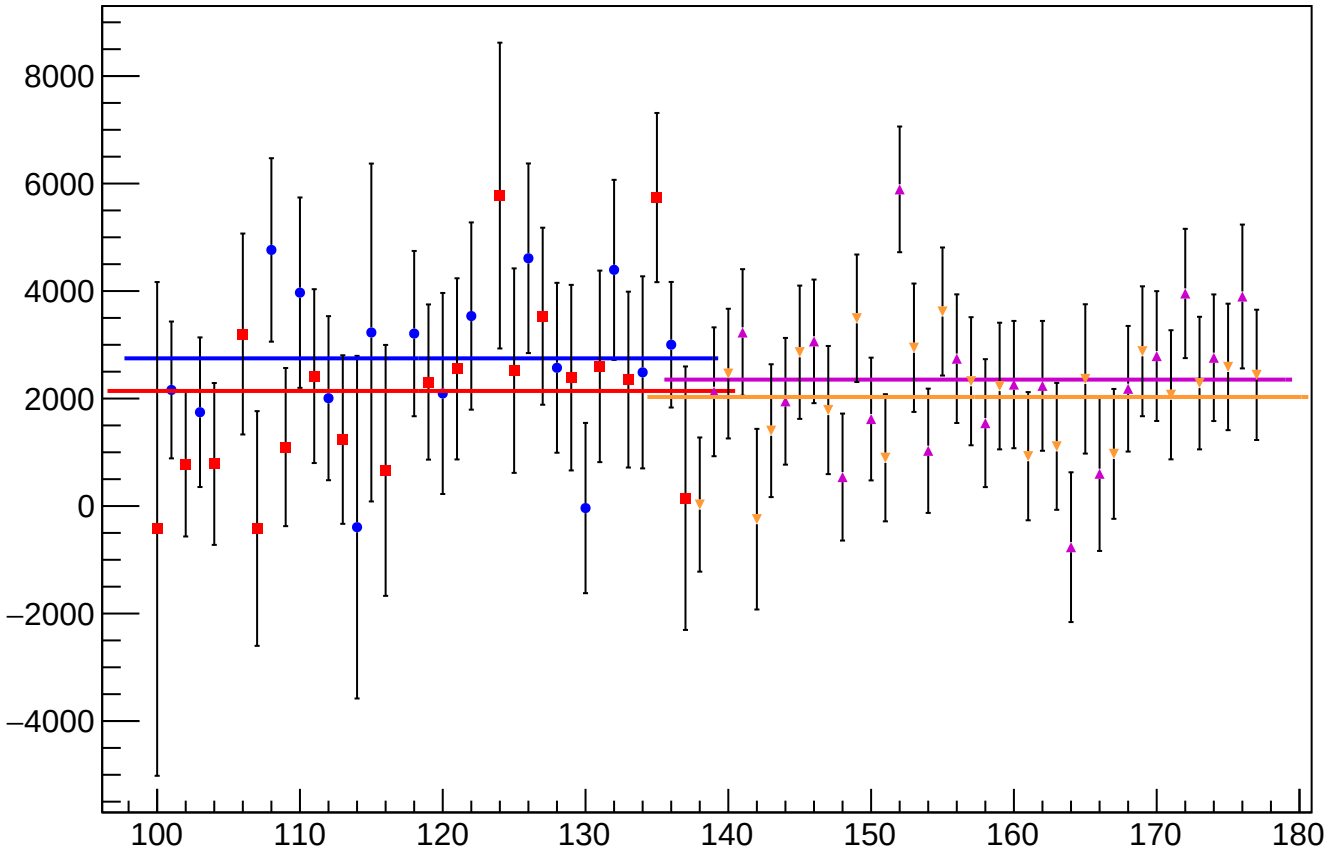
Left: 1486.153+/-0.188 χ^2/NDF: 1476630.8/39

Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1515.174+/-0.229 χ^2/NDF:1601500.1/34

Out: 1550.226+/-0.227 χ^2/NDF:1241795.6/39

All: 1532.876+/-0.161 χ^2/NDF: 2855084.4/74



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 2029.068+/-267.165 χ^2/NDF:13.3/20

Right Out: 2141.169+/-402.789 χ^2/NDF: 13.6/18

Left In: 2352.397+/-276.855 χ^2/NDF:24.8/18

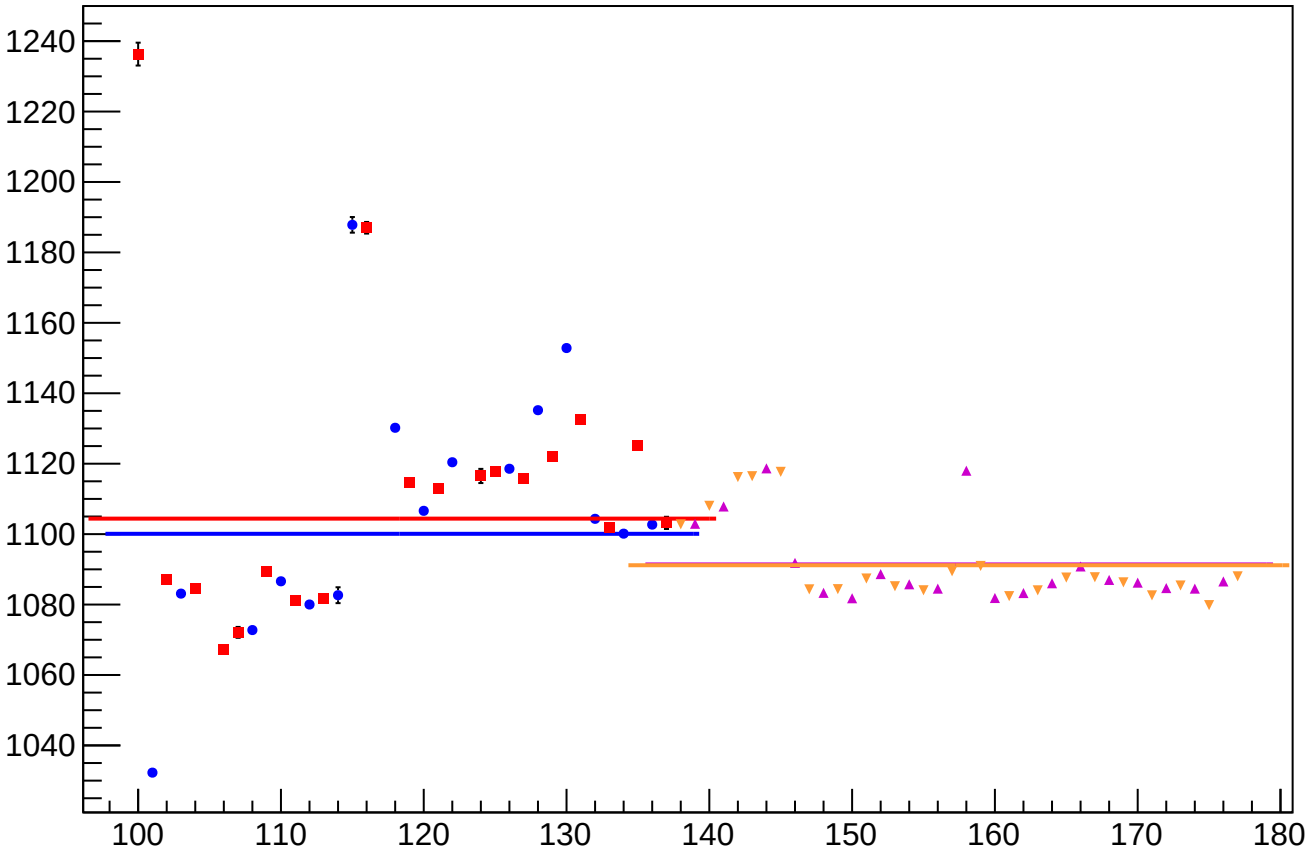
Left: 2184.975+/-192.248 χ^2/NDF: 38.8/39

Right: 2440.090+/-286.902 χ^2/NDF: 24.2/34

In: 2476.786+/-229.225 χ^2/NDF:34.9/34

Out: 2063.318+/-222.641 χ^2/NDF:27.0/39

All: 2264.029+/-159.708 χ^2/NDF: 63.6/74



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1091.165+/-0.189 χ^2/NDF:3623.8/20

Right Out: 1104.403+/-0.285 χ^2/NDF: 8543.5/18

Left In: 1091.400+/-0.196 χ^2/NDF:3478.2/18

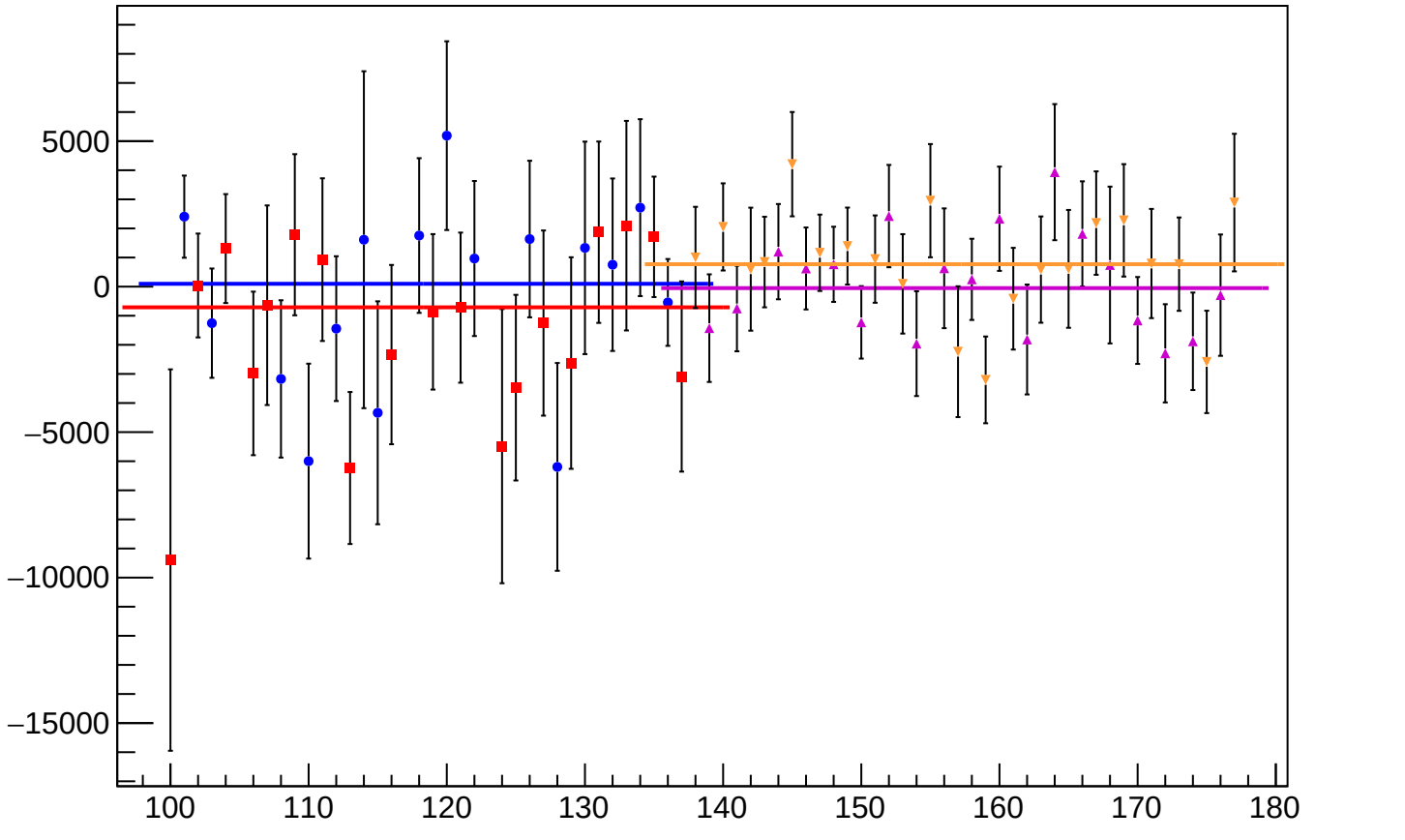
Left: 1091.279+/-0.136 χ^2/NDF: 7102.8/39

Right: 1102.278+/-0.203 χ^2/NDF: 21733.6/34

In: 1094.133+/-0.162 χ^2/NDF:17175.0/34

Out: 1095.210+/-0.157 χ^2/NDF:13667.5/39

All: 1094.687+/-0.113 χ^2/NDF: 30865.2/74



Right In: 97.435+/-618.876 χ^2/NDF: 17.2/15

Left Out: 771.264+/-372.533 χ^2/NDF:21.2/20

Right Out: -711.287+/-637.587 χ^2/NDF: 14.9/18

Left In: -50.498+/-381.753 χ^2/NDF:16.4/18

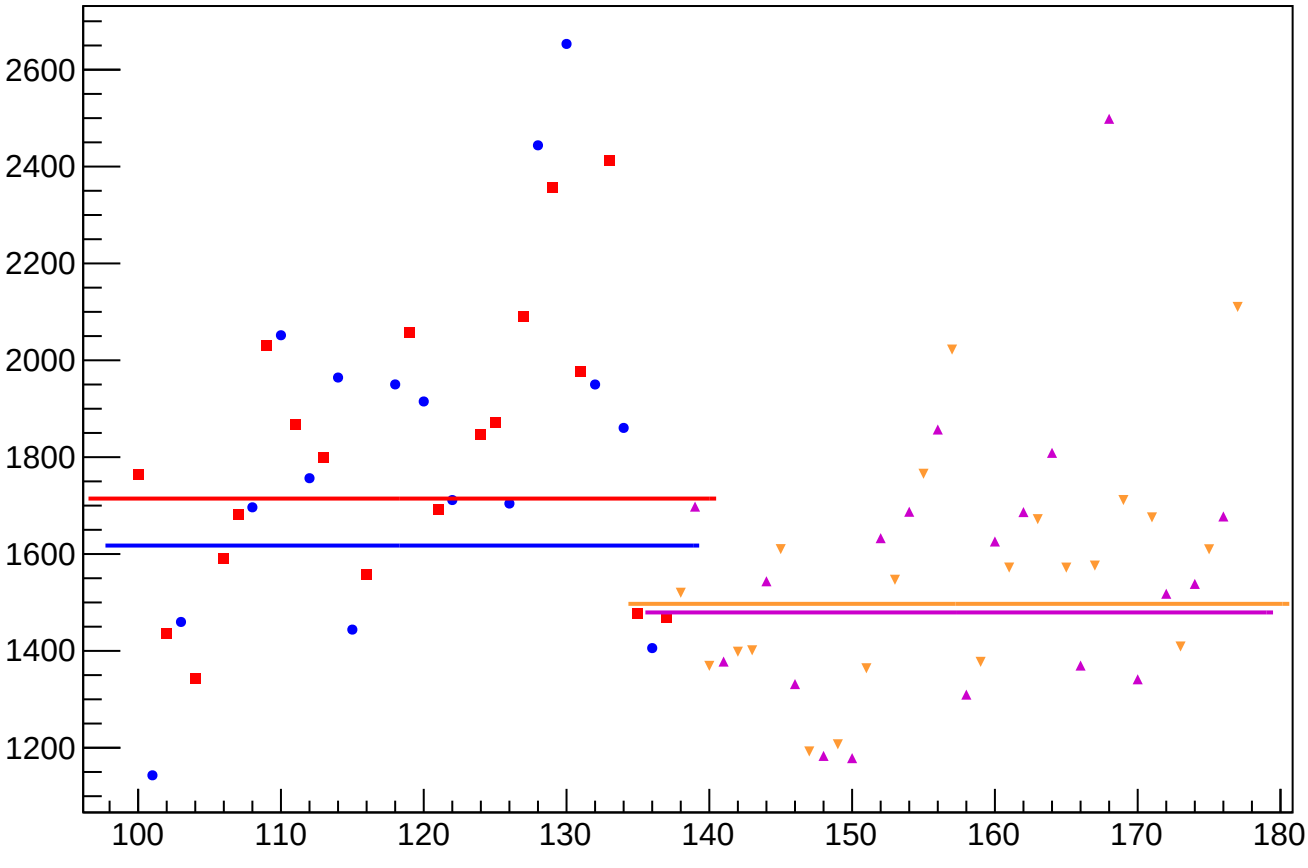
Left: 370.427+/-266.621 χ^2/NDF: 40.0/39

Right: -294.885+/-444.079 χ^2/NDF: 33.0/34

In: -9.724+/-324.911 χ^2/NDF:33.6/34

Out: 393.948+/-321.653 χ^2/NDF:40.2/39

All: 194.146+/-228.586 χ^2/NDF: 74.6/74



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

Left Out: 1497.141+/-0.263 χ^2/NDF:636562.7/20

Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

Left In: 1479.398+/-0.270 χ^2/NDF:832616.5/18

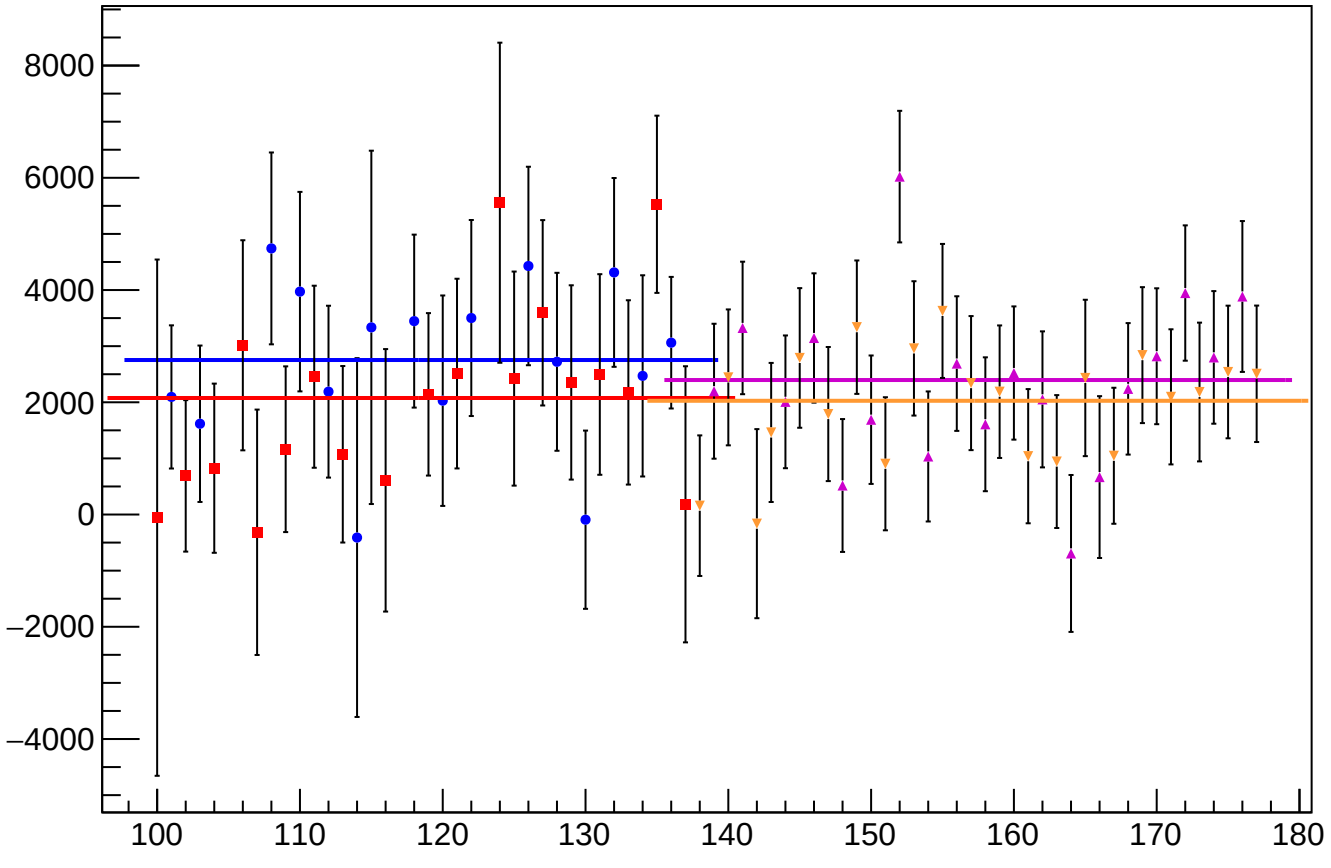
Left: 1488.486+/-0.189 χ^2/NDF: 1471392.0/39

Right: 1664.555+/-0.314 χ^2/NDF: 1143278.0/34

In: 1517.460+/-0.230 χ^2/NDF:1596473.6/34

Out: 1552.462+/-0.227 χ^2/NDF:1237566.4/39

All: 1535.137+/-0.162 χ^2/NDF: 2845761.8/74



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 2026.715+/-267.885 χ^2/NDF:12.3/20

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2396.613+/-277.587 χ^2/NDF:25.1/18

Left: 2205.087+/-192.762 χ^2/NDF: 38.3/39

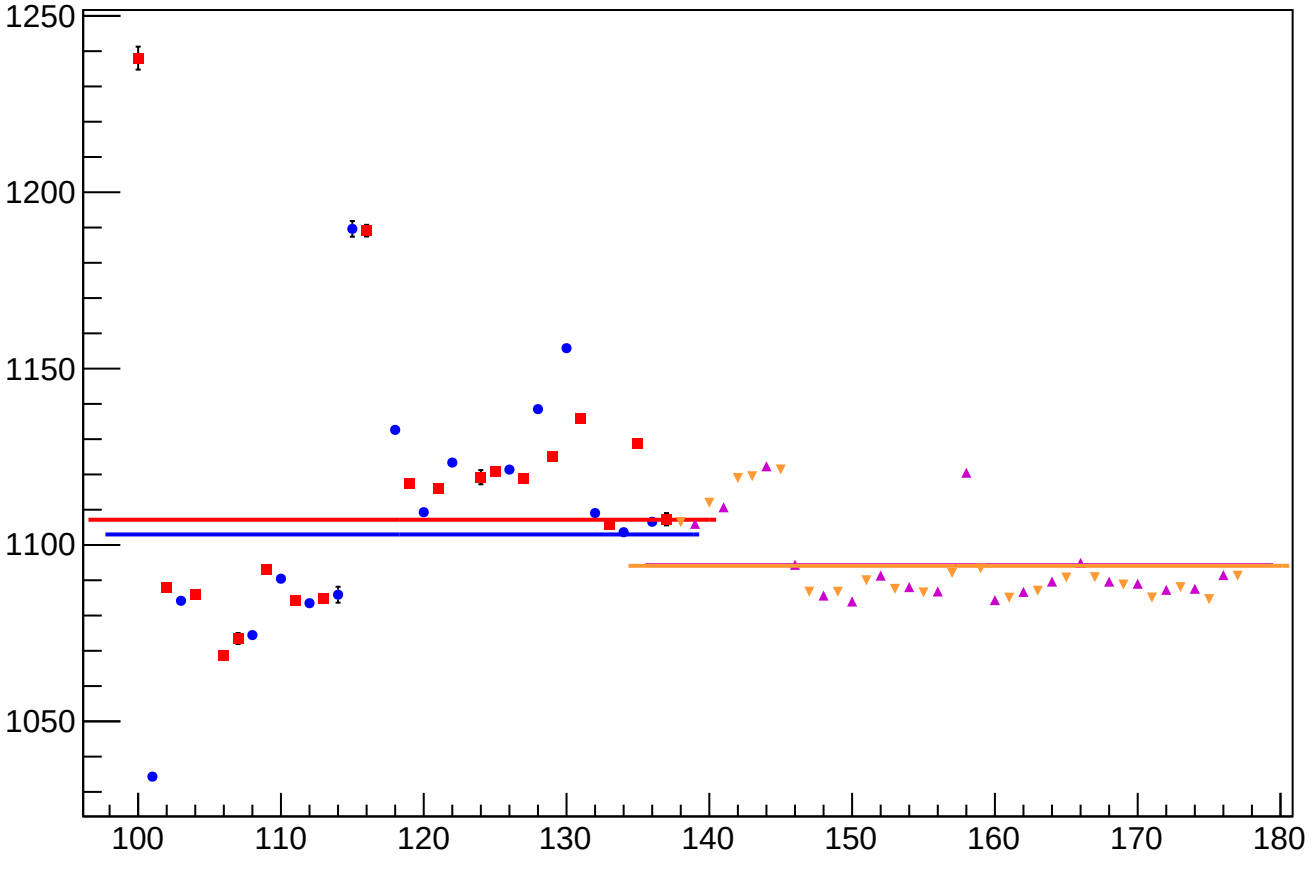
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2508.728+/-229.831 χ^2/NDF:35.1/34

Out: 2041.922+/-223.228 χ^2/NDF:24.9/39

All: 2268.523+/-160.129 χ^2/NDF: 62.1/74

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1094.103+/-0.189 χ^2/NDF:3741.7/20

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1094.286+/-0.196 χ^2/NDF:3530.8/18

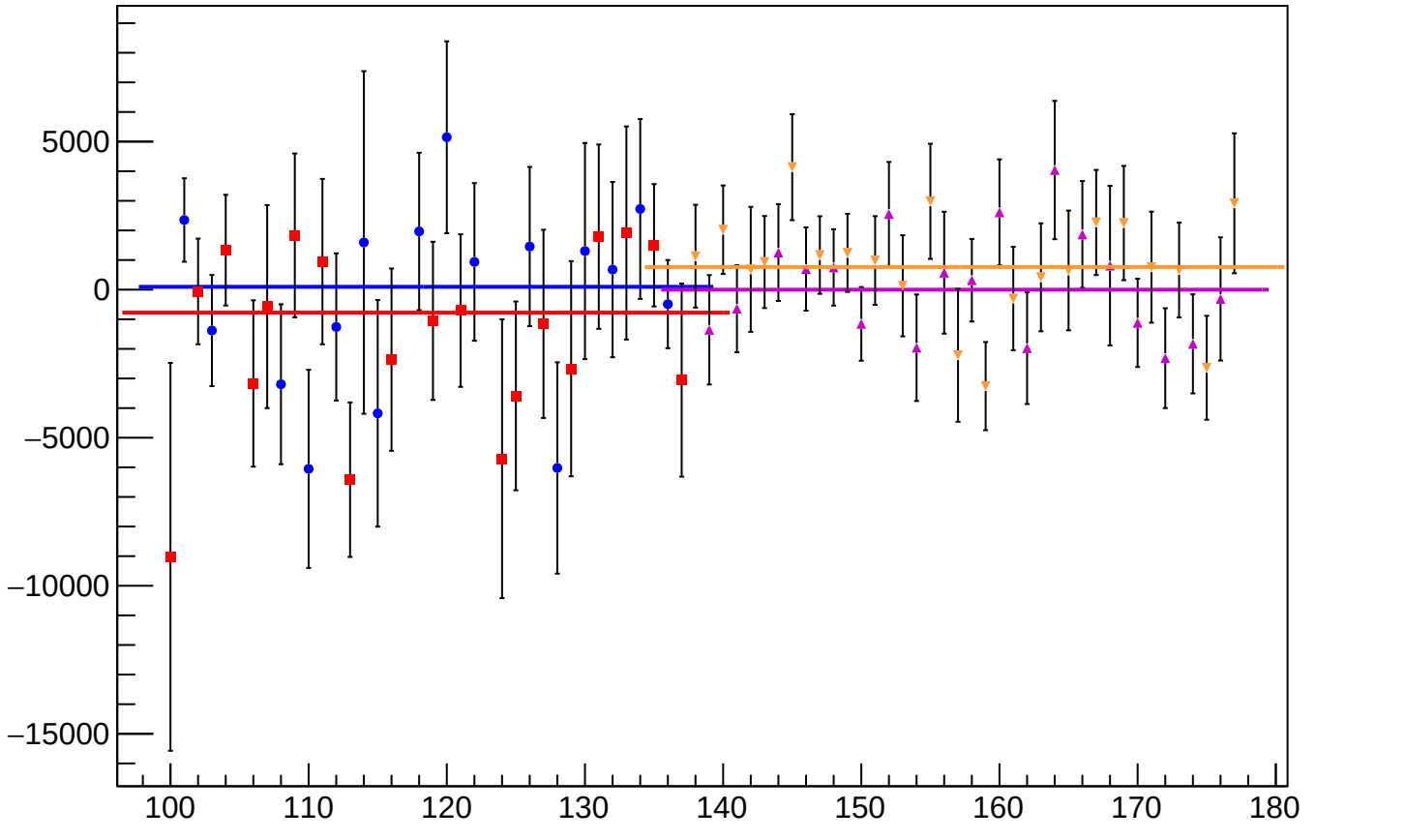
Left: 1094.191+/-0.136 χ^2/NDF: 7273.0/39

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1097.023+/-0.163 χ^2/NDF:17372.7/34

Out: 1098.093+/-0.158 χ^2/NDF:13877.1/39

All: 1097.573+/-0.113 χ^2/NDF: 31272.1/74



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 764.053+/-371.971 χ^2/NDF:21.4/20

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: -1.455+/-381.181 χ^2/NDF:17.2/18

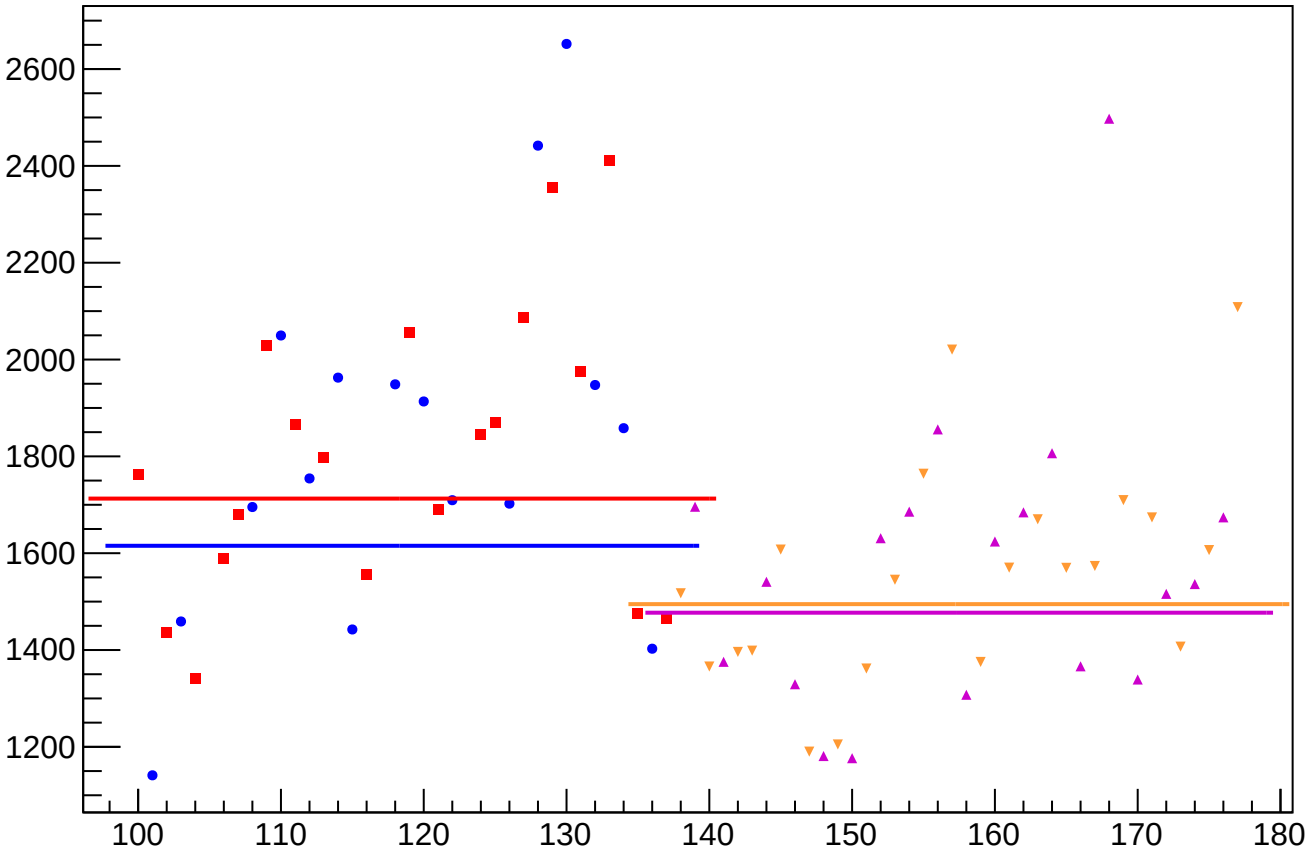
Left: 390.658+/-266.220 χ^2/NDF: 40.7/39

Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: 25.384+/-324.445 χ^2/NDF:34.2/34

Out: 372.162+/-321.211 χ^2/NDF:40.8/39

All: 200.510+/-228.265 χ^2/NDF: 75.6/74



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1494.785+/-0.263 χ^2/NDF:639017.5/20

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1477.088+/-0.270 χ^2/NDF:835405.3/18

Left: 1486.153+/-0.188 χ^2/NDF: 1476630.8/39

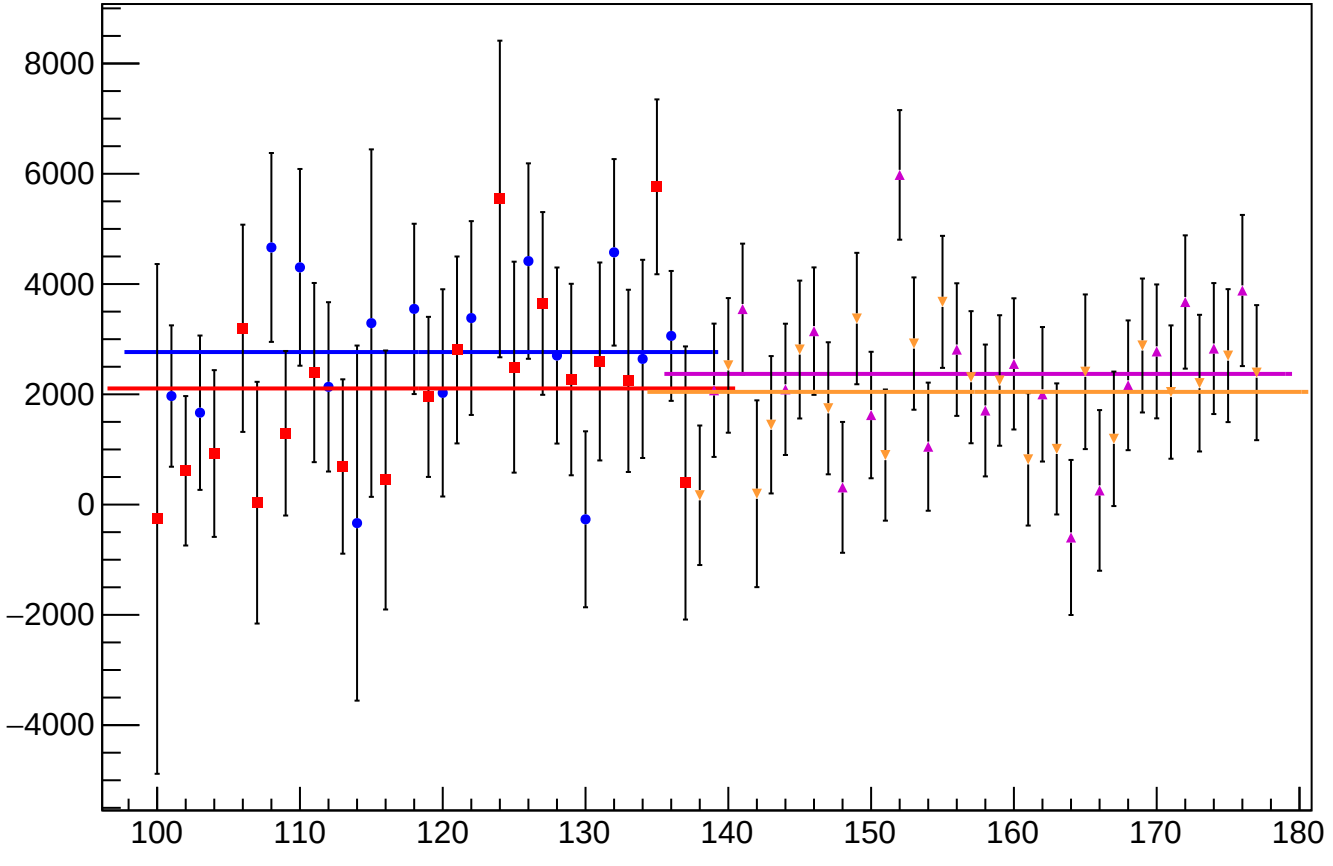
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1515.174+/-0.229 χ^2/NDF:1601500.1/34

Out: 1550.226+/-0.227 χ^2/NDF:1241795.6/39

All: 1532.876+/-0.161 χ^2/NDF: 2855084.4/74

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2766.657+/-411.563 χ^2/NDF: 10.3/15

Left Out: 2044.221+/-269.305 χ^2/NDF:12.1/20

Right Out: 2106.358+/-405.586 χ^2/NDF: 13.4/18

Left In: 2370.231+/-278.899 χ^2/NDF:25.5/18

Left: 2201.522+/-193.730 χ^2/NDF: 38.3/39

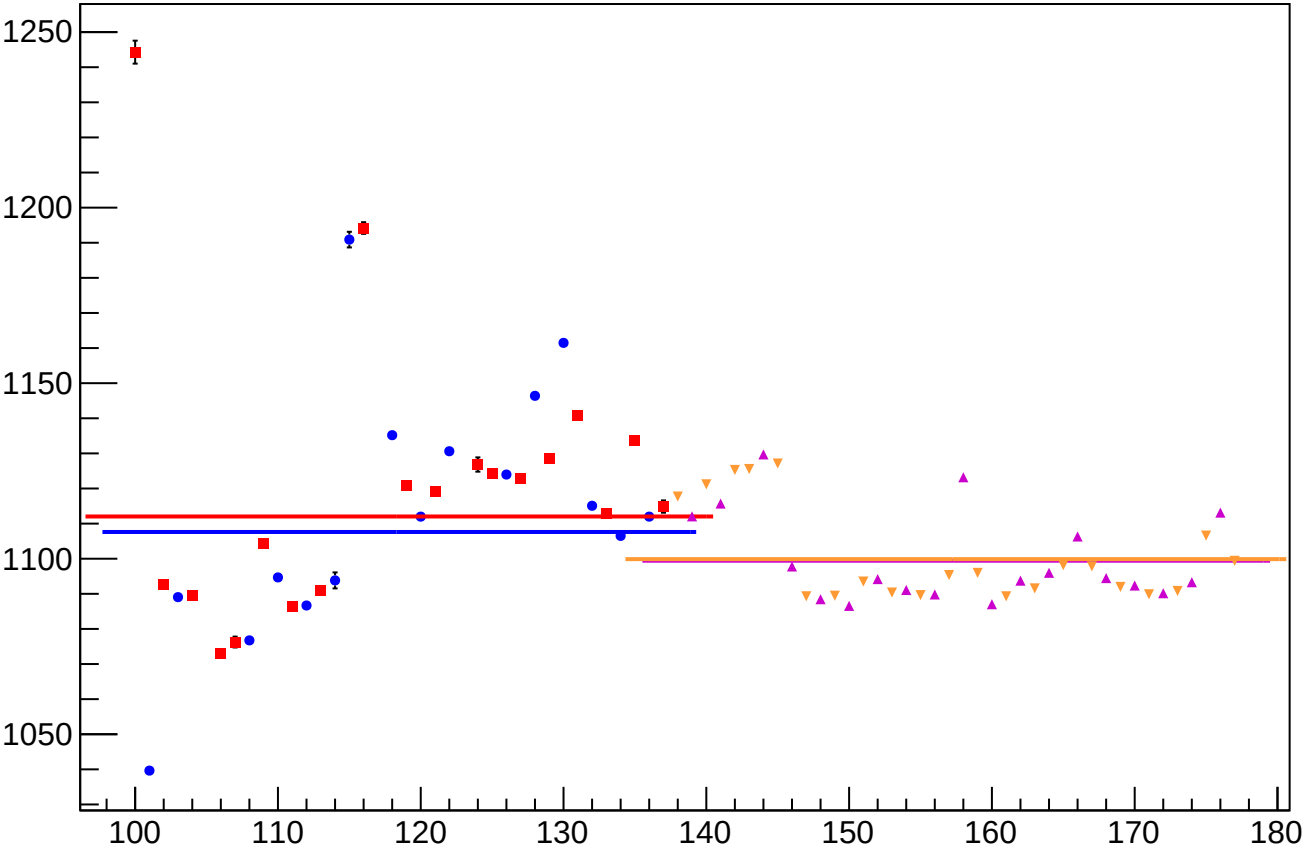
Right: 2431.678+/-288.883 χ^2/NDF: 25.0/34

In: 2494.987+/-230.880 χ^2/NDF:36.4/34

Out: 2063.234+/-224.352 χ^2/NDF:25.5/39

All: 2272.920+/-160.899 χ^2/NDF: 63.7/74

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1099.878+/-0.190 χ^2/NDF:4597.2/20

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1099.433+/-0.197 χ^2/NDF:4168.0/18

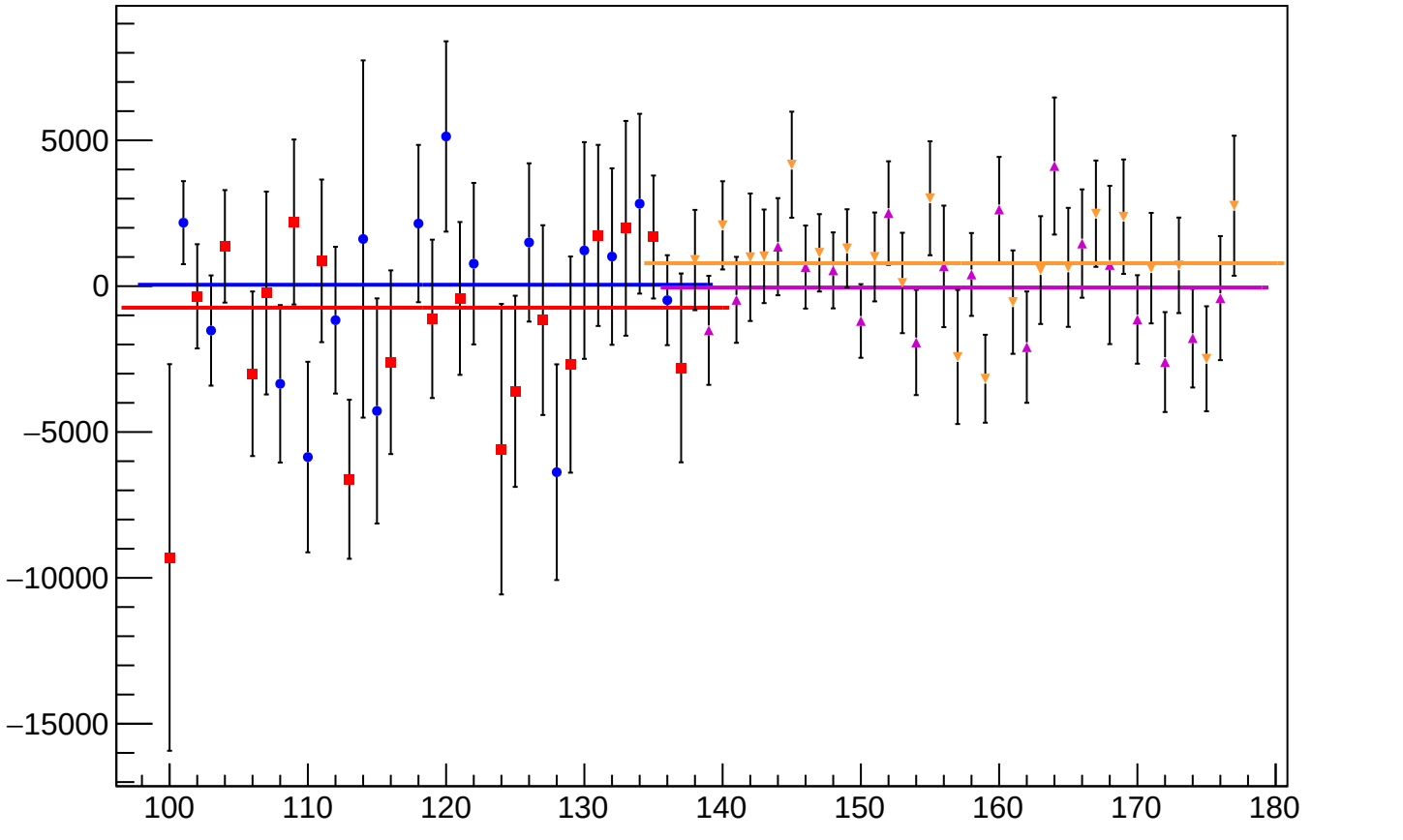
Left: 1099.663+/-0.137 χ^2/NDF: 8767.8/39

Right: 1109.854+/-0.204 χ^2/NDF: 21991.1/34

In: 1102.008+/-0.163 χ^2/NDF:17930.2/34

Out: 1103.596+/-0.159 χ^2/NDF:14496.6/39

All: 1102.824+/-0.114 χ^2/NDF: 32475.5/74



Right In: 47.817+/-628.060 χ^2/NDF: 16.9/15

Left Out: 786.322+/-377.782 χ^2/NDF:20.9/20

Right Out: -738.185+/-647.795 χ^2/NDF: 14.9/18

Left In: -45.586+/-386.205 χ^2/NDF:17.1/18

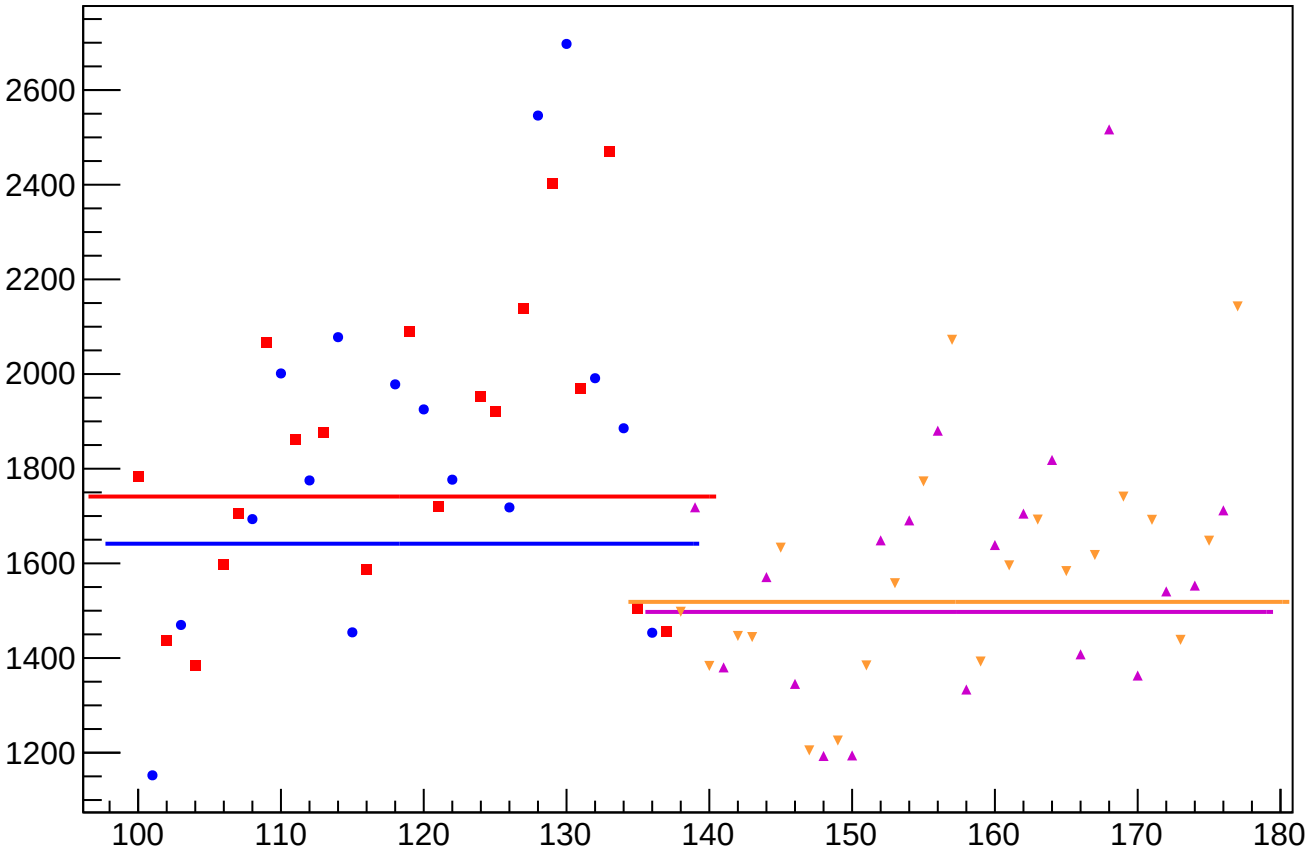
Left: 379.539+/-270.061 χ^2/NDF: 40.4/39

Right: -333.029+/-450.921 χ^2/NDF: 32.6/34

In: -19.958+/-328.984 χ^2/NDF:34.0/34

Out: 399.422+/-326.342 χ^2/NDF:40.0/39

All: 191.422+/-231.687 χ^2/NDF: 74.8/74



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1518.648+/-0.267 χ^2/NDF:640899.7/20

Right Out: 1741.200+/-0.458 χ^2/NDF: 438336.6/18

Left In: 1497.411+/-0.273 χ^2/NDF:823518.1/18

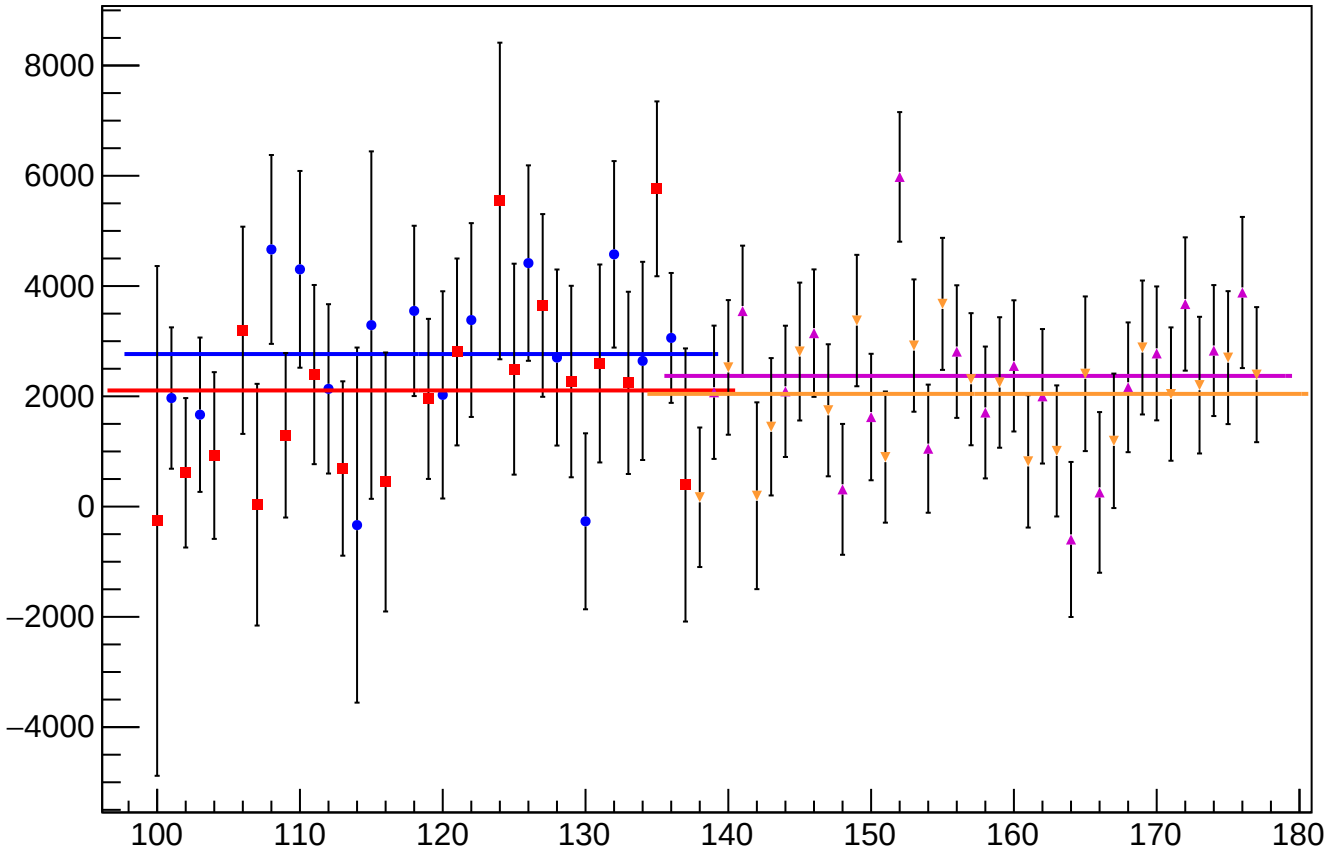
Left: 1508.264+/-0.191 χ^2/NDF: 1467508.1/39

Right: 1689.828+/-0.319 χ^2/NDF: 1164049.3/34

In: 1536.956+/-0.233 χ^2/NDF:1601253.0/34

Out: 1575.129+/-0.231 χ^2/NDF:1255385.7/39

All: 1556.196+/-0.164 χ^2/NDF: 2870210.6/74



Right In: 2766.656+/-411.563 χ^2/NDF: 10.3/15

Left Out: 2044.220+/-269.305 χ^2/NDF:12.1/20

Right Out: 2106.360+/-405.586 χ^2/NDF: 13.4/18

Left In: 2370.231+/-278.899 χ^2/NDF:25.5/18

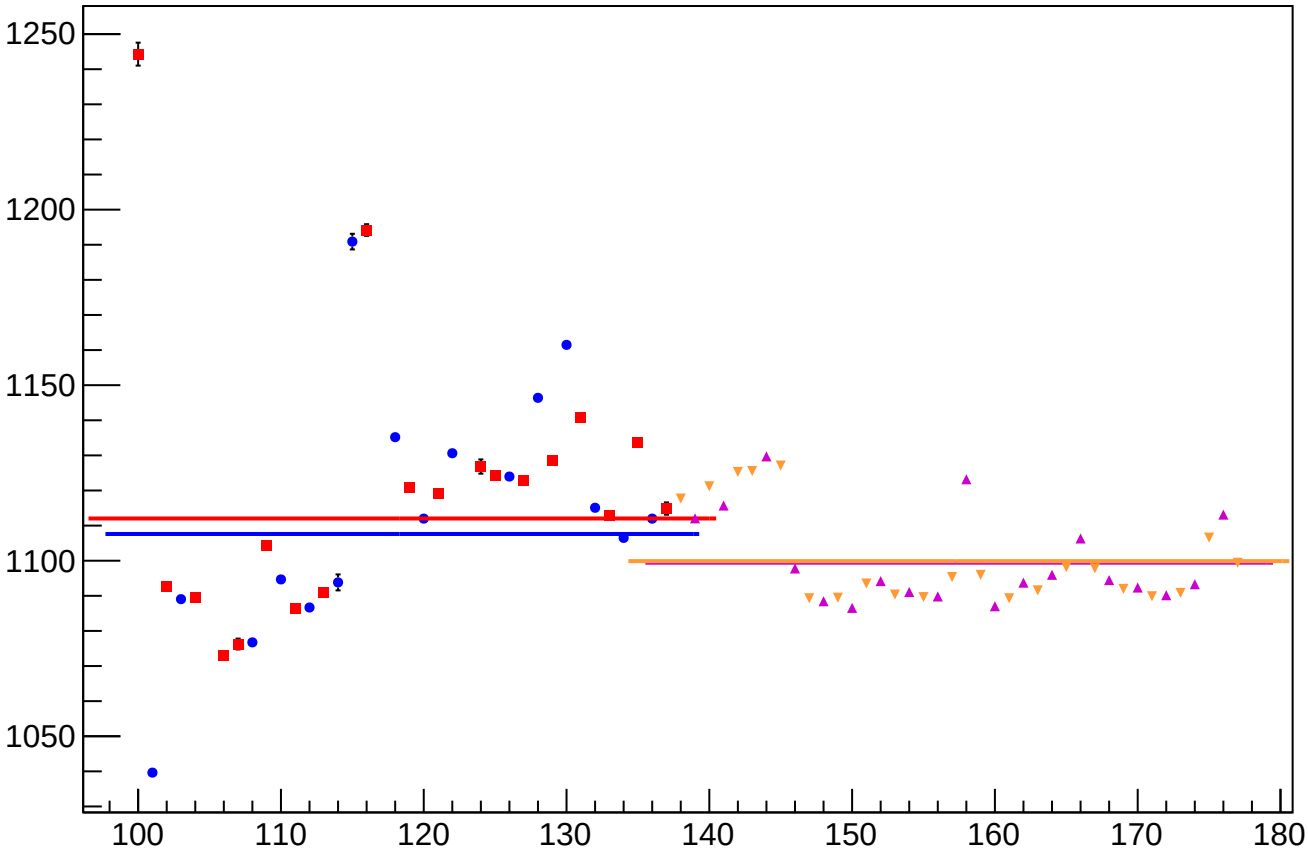
Left: 2201.521+/-193.730 χ^2/NDF: 38.3/39

Right: 2431.678+/-288.882 χ^2/NDF: 25.0/34

In: 2494.987+/-230.880 χ^2/NDF:36.4/34

Out: 2063.233+/-224.352 χ^2/NDF:25.5/39

All: 2272.920+/-160.899 χ^2/NDF: 63.7/74



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1099.878+/-0.190 χ^2/NDF:4597.2/20

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1099.433+/-0.197 χ^2/NDF:4167.9/18

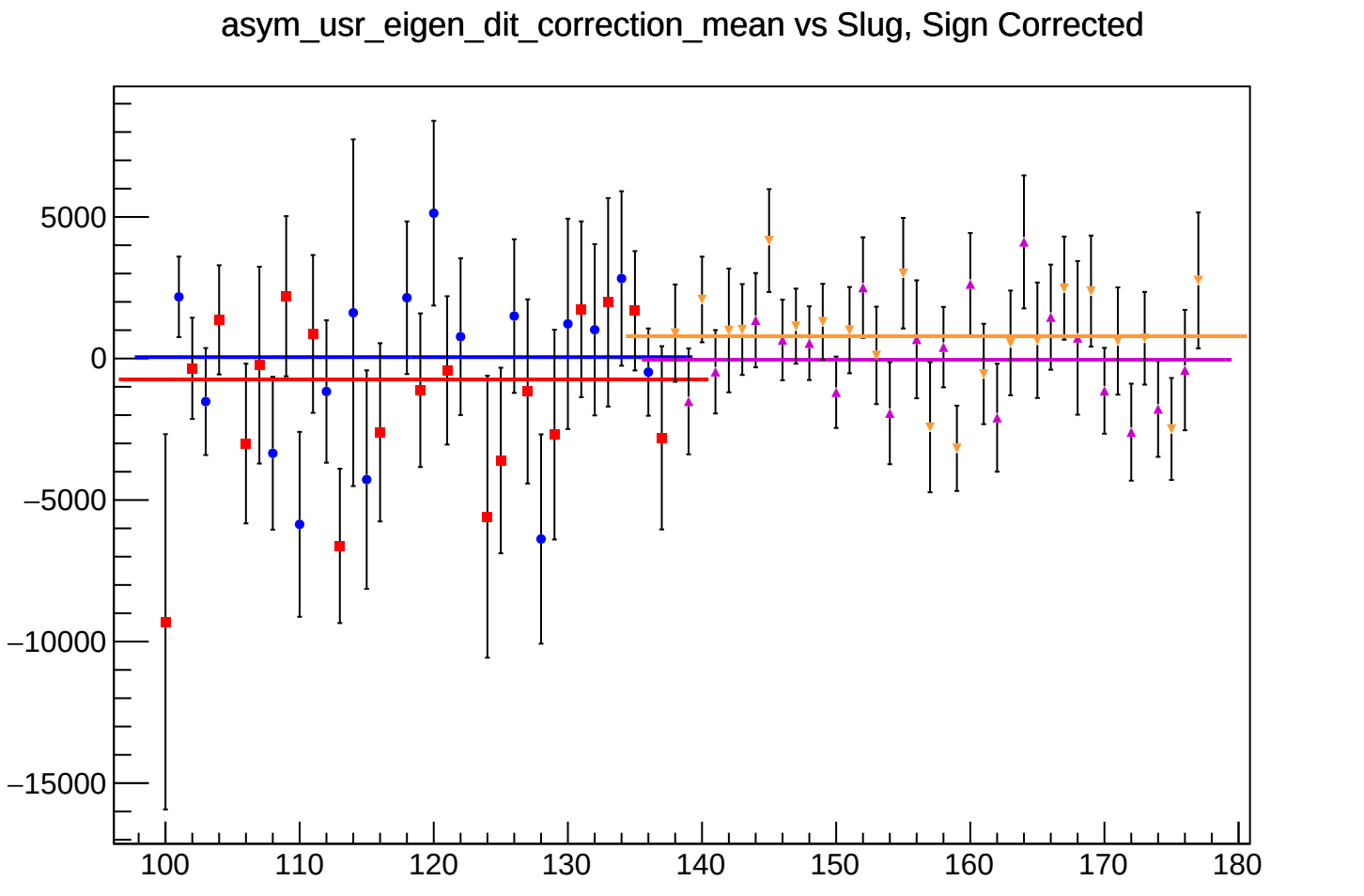
Left: 1099.663+/-0.137 χ^2/NDF: 8767.7/39

Right: 1109.853+/-0.204 χ^2/NDF: 21991.0/34

In: 1102.007+/-0.163 χ^2/NDF:17930.1/34

Out: 1103.596+/-0.159 χ^2/NDF:14496.6/39

All: 1102.824+/-0.114 χ^2/NDF: 32475.4/74



Right In: 47.813+/-628.059 χ^2/NDF: 16.9/15

Left Out: 786.321+/-377.783 χ^2/NDF:20.9/20

Right Out: -738.188+/-647.795 χ^2/NDF: 14.9/18

Left In: -45.585+/-386.206 χ^2/NDF:17.1/18

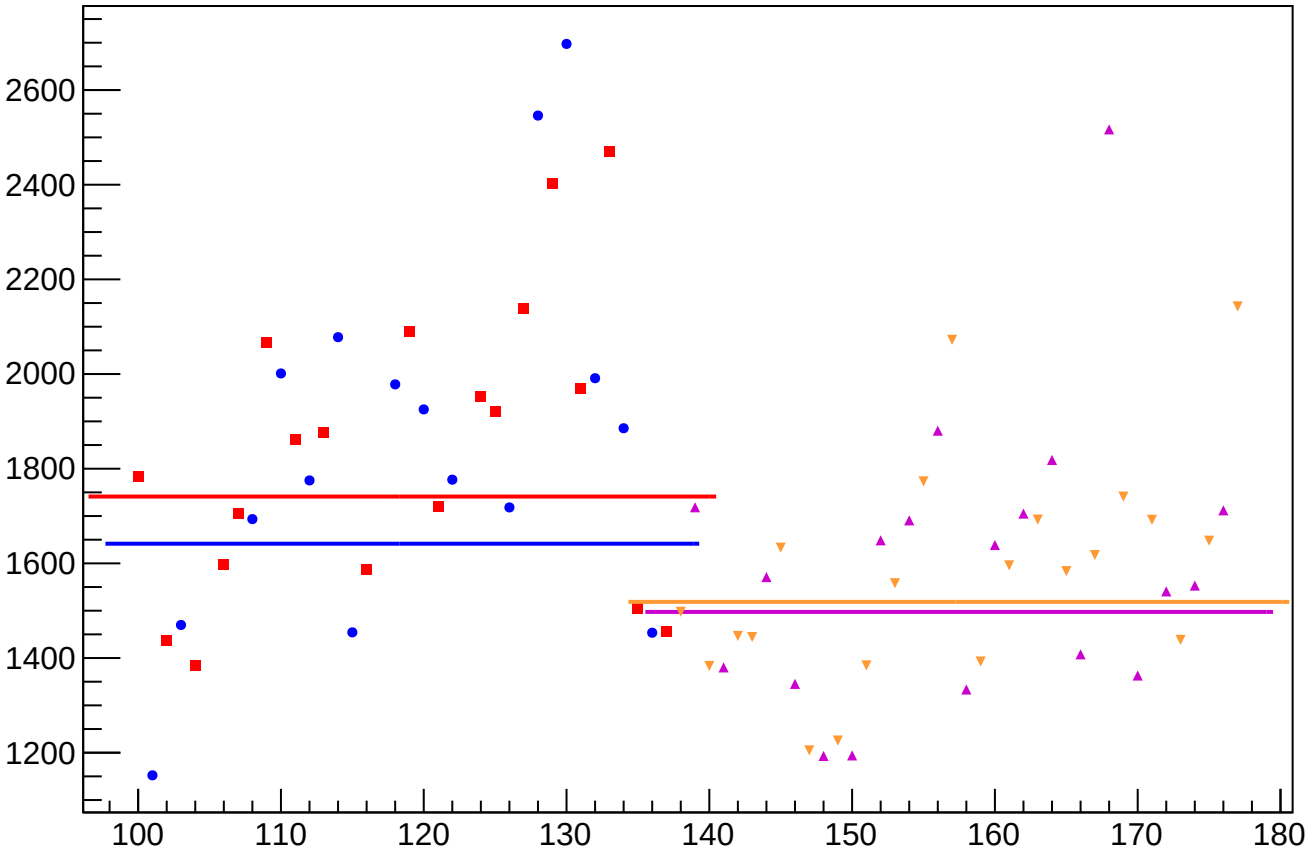
Left: 379.539+/-270.062 χ^2/NDF: 40.4/39

Right: -333.032+/-450.921 χ^2/NDF: 32.6/34

In: -19.959+/-328.984 χ^2/NDF:34.0/34

Out: 399.418+/-326.342 χ^2/NDF:40.0/39

All: 191.420+/-231.687 χ^2/NDF: 74.8/74



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1518.651+/-0.267 χ^2/NDF:640903.7/20

Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1497.415+/-0.273 χ^2/NDF:823523.8/18

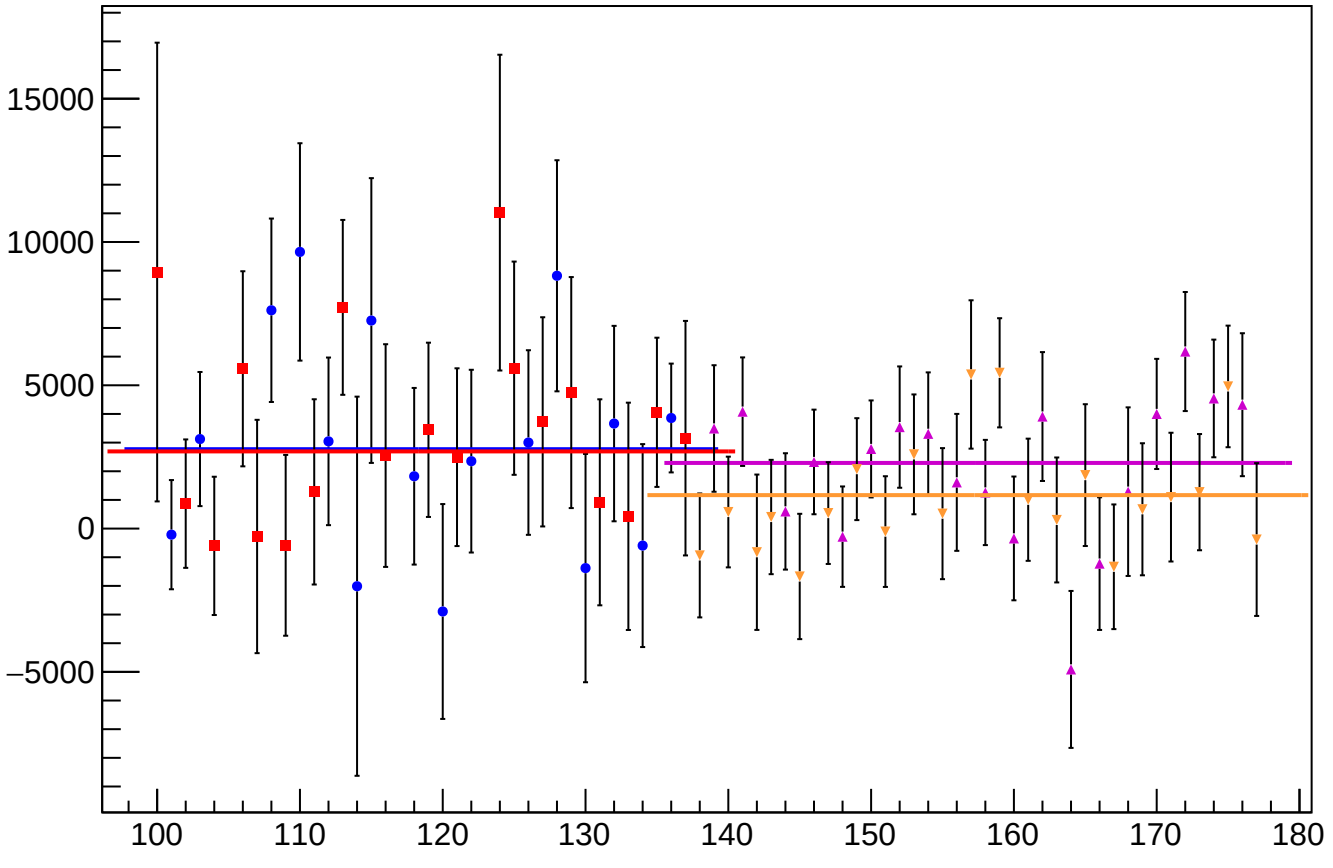
Left: 1508.267+/-0.191 χ^2/NDF: 1467517.7/39

Right: 1689.826+/-0.319 χ^2/NDF: 1164025.0/34

In: 1536.959+/-0.233 χ^2/NDF:1601240.3/34

Out: 1575.131+/-0.231 χ^2/NDF:1255369.4/39

All: 1556.199+/-0.164 χ^2/NDF: 2870181.9/74



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: 1167.182+/-465.097 χ^2/NDF:17.6/20

Right Out: 2692.625+/-765.754 χ^2/NDF: 12.5/18

Left In: 2290.645+/-478.731 χ^2/NDF:22.6/18

Left: 1712.689+/-333.589 χ^2/NDF: 43.0/39

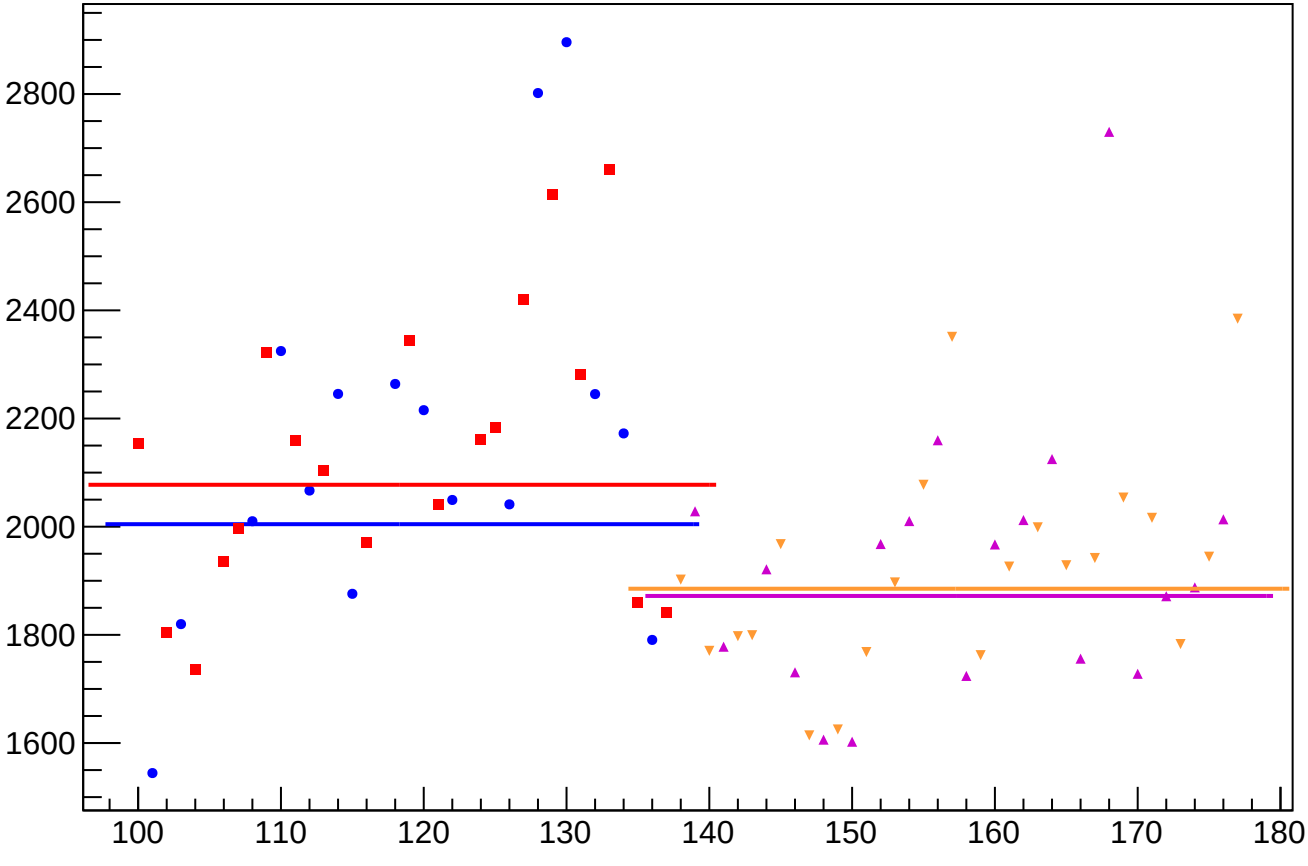
Right: 2731.727+/-538.387 χ^2/NDF: 29.0/34

In: 2427.546+/-404.627 χ^2/NDF:39.3/34

Out: 1578.269+/-397.519 χ^2/NDF:33.0/39

All: 1995.382+/-283.568 χ^2/NDF: 74.6/74

asym_usr_rms vs Slug, Sign Corrected



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1885.317+/-0.329 χ^2/NDF:302413.3/20

Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

Left In: 1871.947+/-0.339 χ^2/NDF:401119.7/18

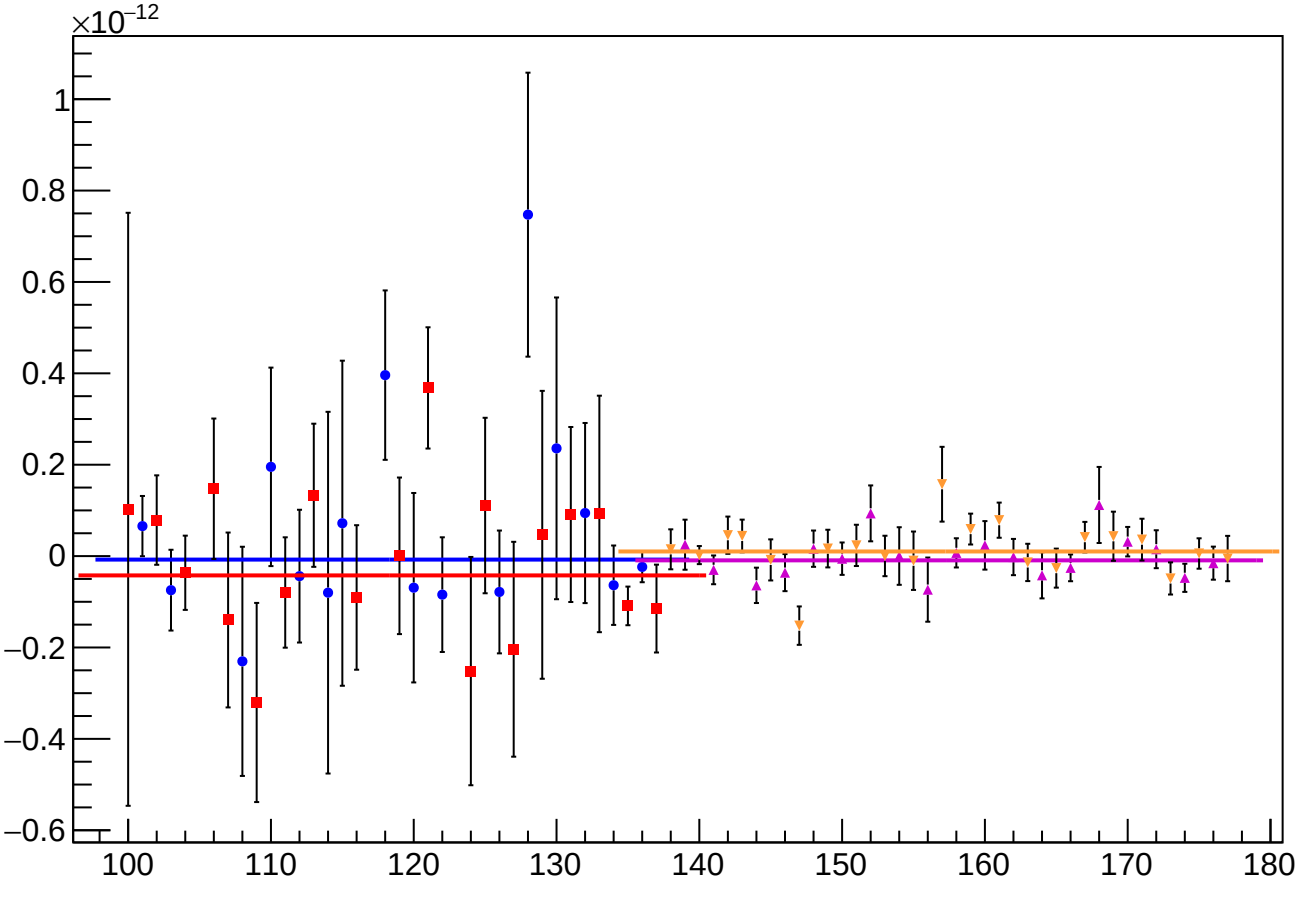
Left: 1878.825+/-0.236 χ^2/NDF: 704335.5/39

Right: 2040.654+/-0.381 χ^2/NDF: 627206.5/34

In: 1909.845+/-0.286 χ^2/NDF:832571.2/34

Out: 1937.107+/-0.281 χ^2/NDF:624921.8/39

All: 1923.718+/-0.201 χ^2/NDF: 1462113.0/74



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.3/20

Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/18

Left In: -0.000+/-0.000 χ^2/NDF:14.4/18

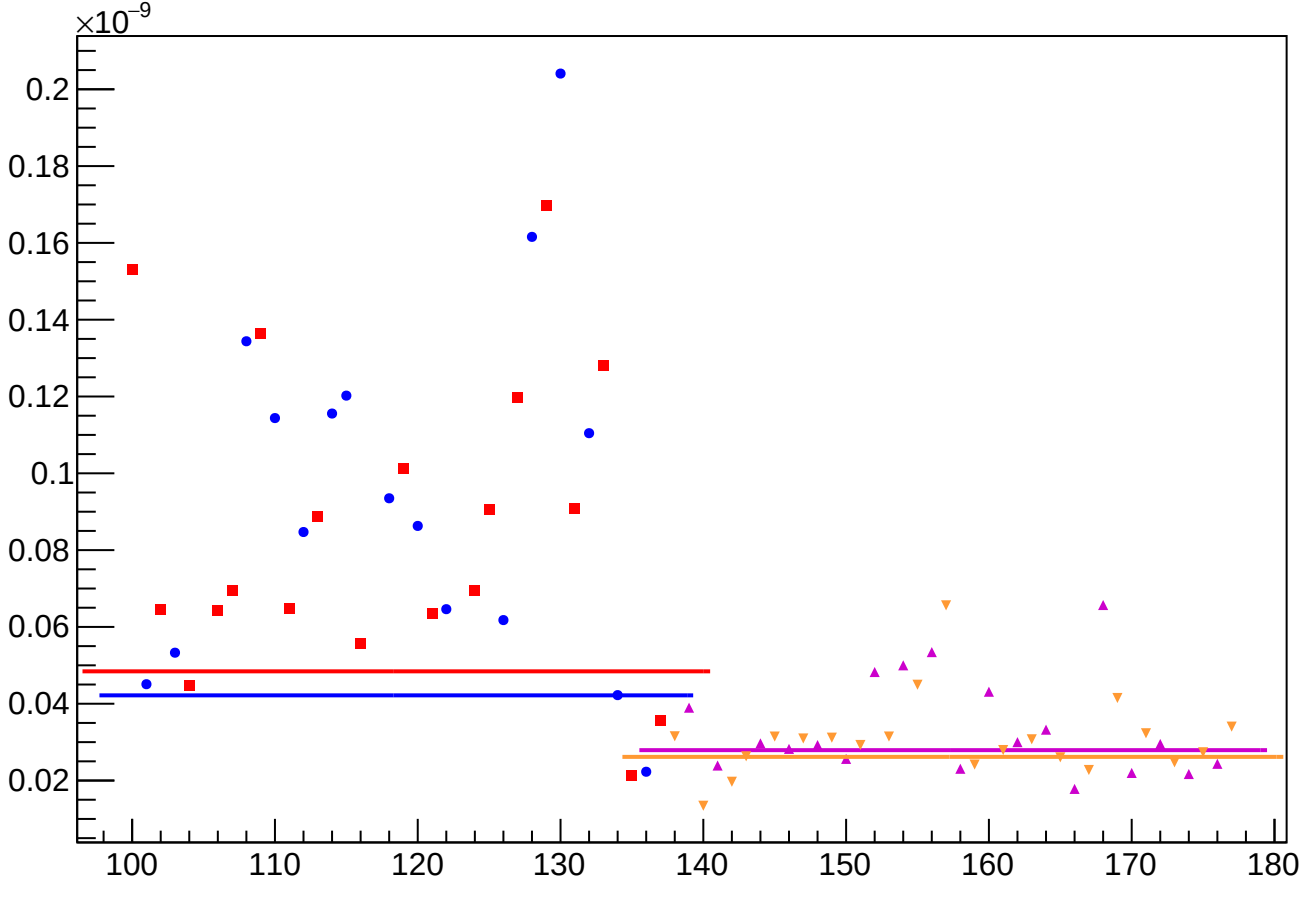
Left: 0.000+/-0.000 χ^2/NDF: 48.1/39

Right: -0.000+/-0.000 χ^2/NDF: 39.1/34

In: -0.000+/-0.000 χ^2/NDF:30.9/34

Out: 0.000+/-0.000 χ^2/NDF:56.5/39

All: -0.000+/-0.000 χ^2/NDF: 88.9/74



Right In: 0.000+/-0.000 χ^2/NDF: 2933545.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1977534.5/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1918720.1/18

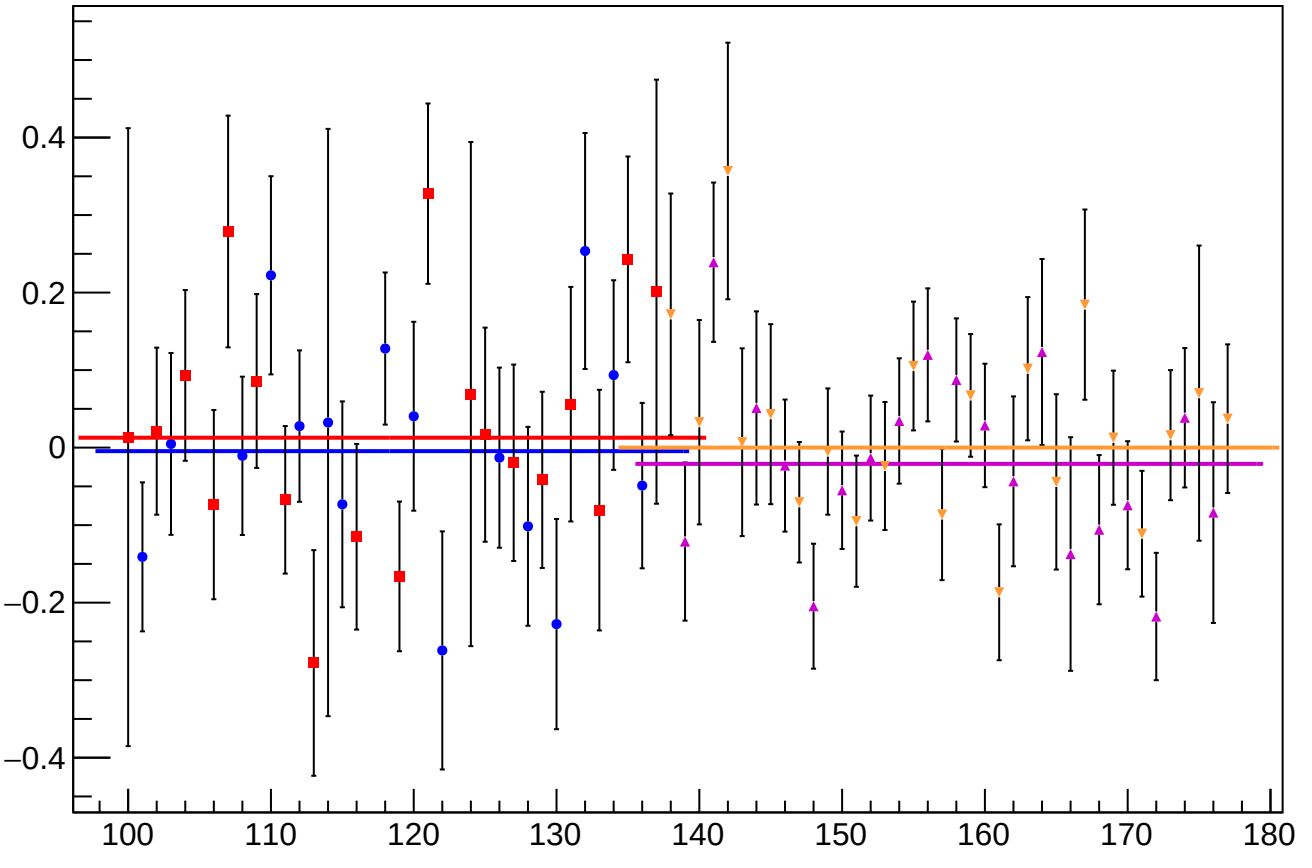
Left: 0.000+/-0.000 χ^2/NDF: 3935632.9/39

Right: 0.000+/-0.000 χ^2/NDF: 5597279.7/34

In: 0.000+/-0.000 χ^2/NDF:5455779.8/34

Out: 0.000+/-0.000 χ^2/NDF:5820629.1/39

All: 0.000+/-0.000 χ^2/NDF: 11311625.2/74



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.000+/-0.021 χ^2/NDF:22.0/20

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.021+/-0.021 χ^2/NDF:28.2/18

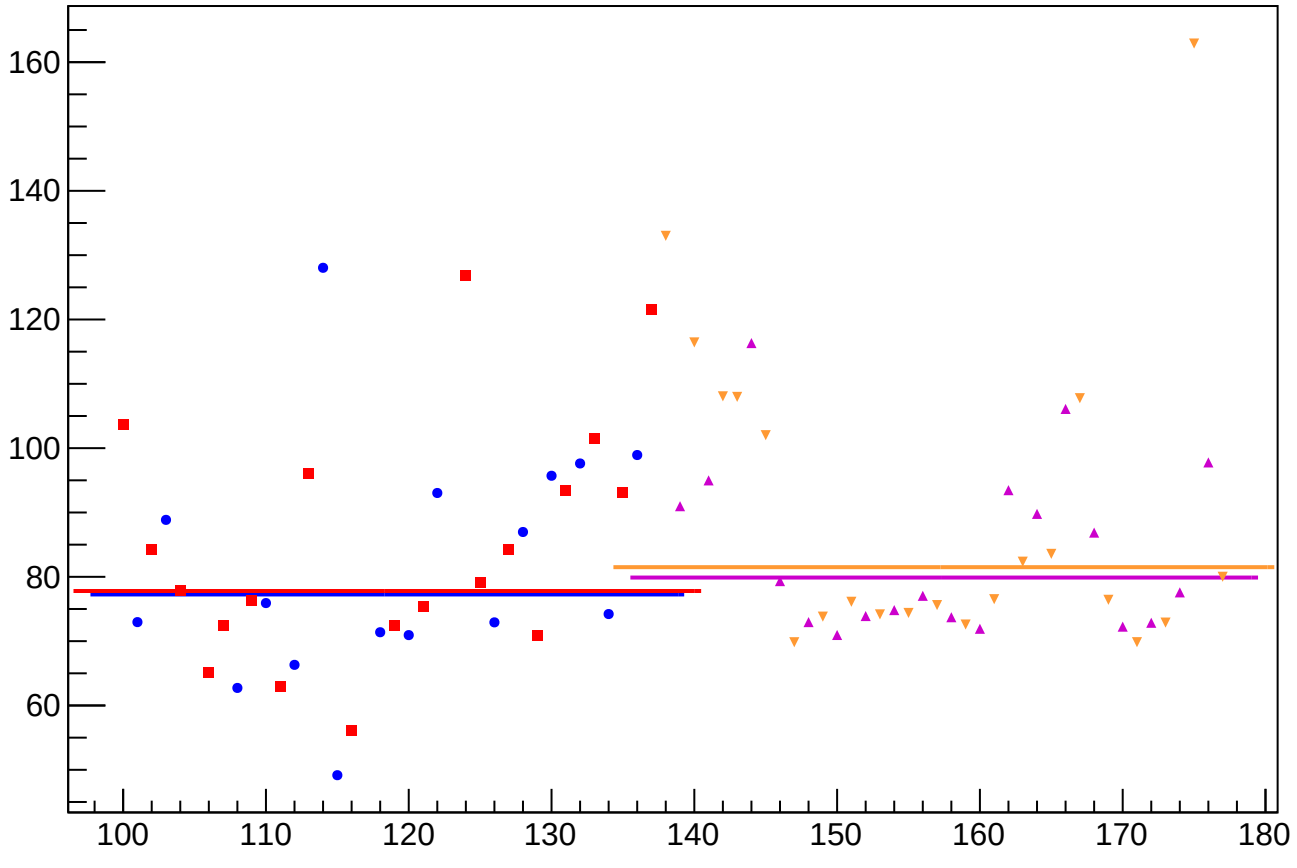
Left: -0.010+/-0.015 χ^2/NDF: 50.6/39

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.016+/-0.017 χ^2/NDF:45.7/34

Out: 0.004+/-0.017 χ^2/NDF:47.6/39

All: -0.006+/-0.012 χ^2/NDF: 93.9/74



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 81.500+/-0.015 χ^2/NDF:1239168.9/20

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 79.887+/-0.015 χ^2/NDF:513636.6/18

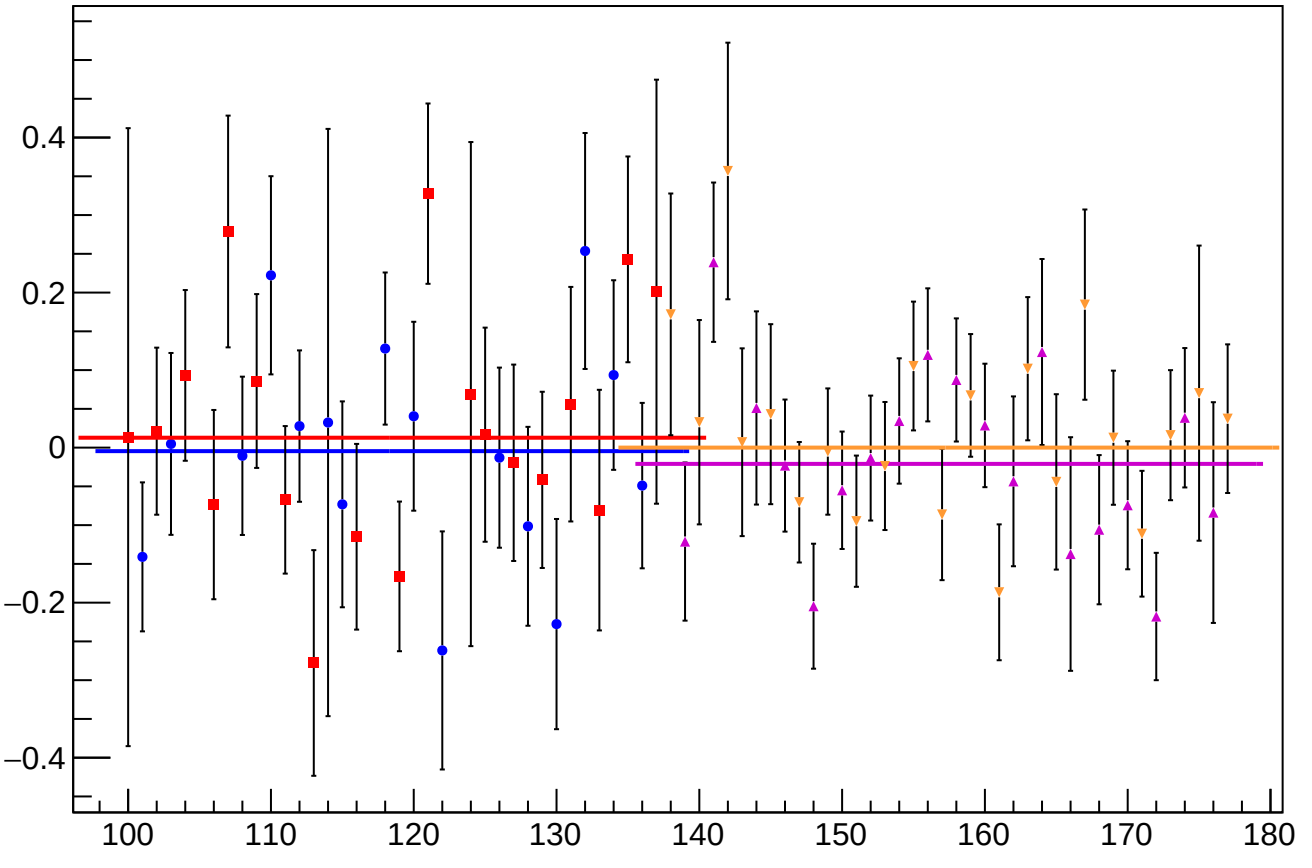
Left: 80.699+/-0.011 χ^2/NDF: 1758705.3/39

Right: 77.530+/-0.015 χ^2/NDF: 816090.7/34

In: 79.021+/-0.012 χ^2/NDF:943184.1/34

Out: 80.272+/-0.012 χ^2/NDF:1656403.4/39

All: 79.651+/-0.009 χ^2/NDF: 2604884.9/74



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.000+/-0.021 χ^2/NDF:22.0/20

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.021+/-0.021 χ^2/NDF:28.2/18

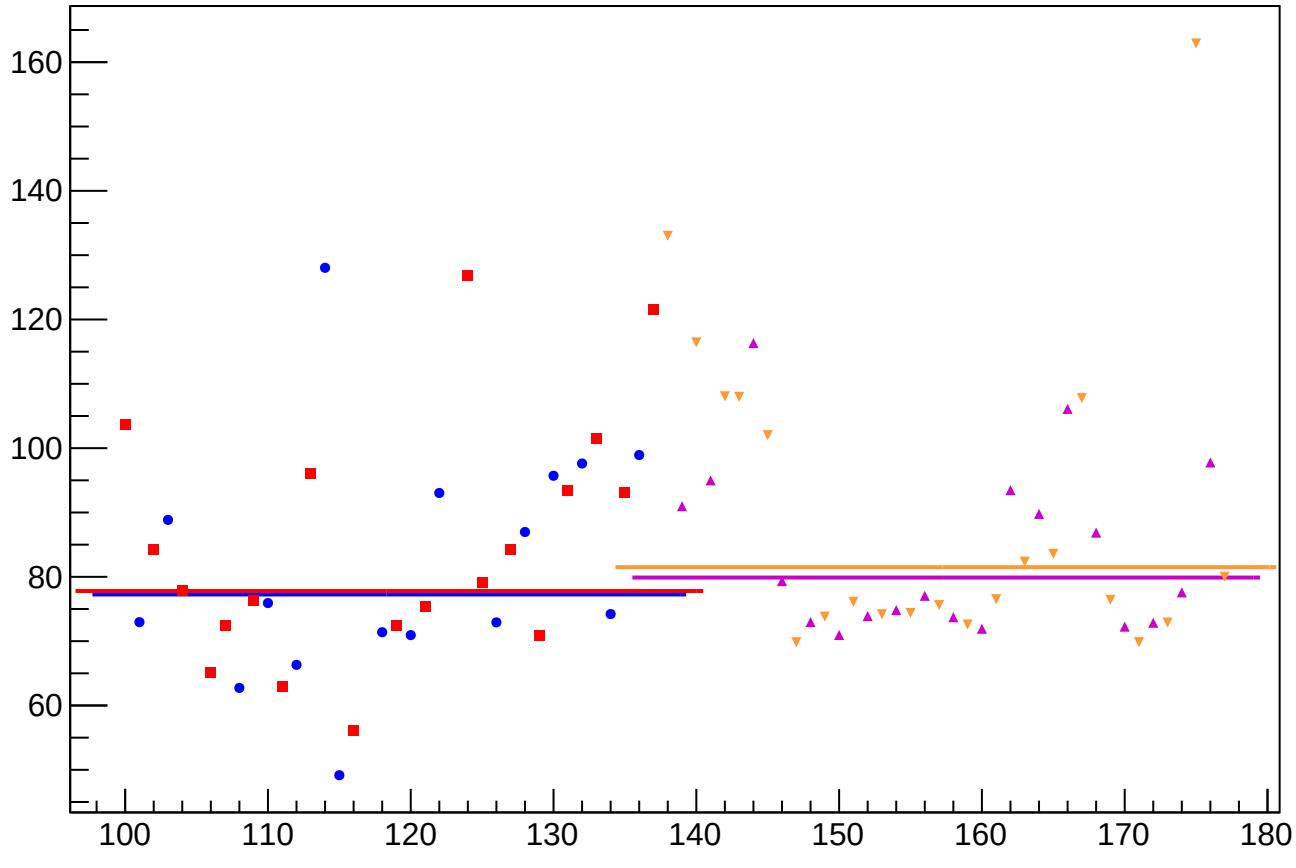
Left: -0.010+/-0.015 χ^2/NDF: 50.6/39

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.016+/-0.017 χ^2/NDF:45.7/34

Out: 0.004+/-0.017 χ^2/NDF:47.6/39

All: -0.006+/-0.012 χ^2/NDF: 93.9/74



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 81.500+/-0.015 χ^2/NDF:1239168.9/20

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 79.887+/-0.015 χ^2/NDF:513636.6/18

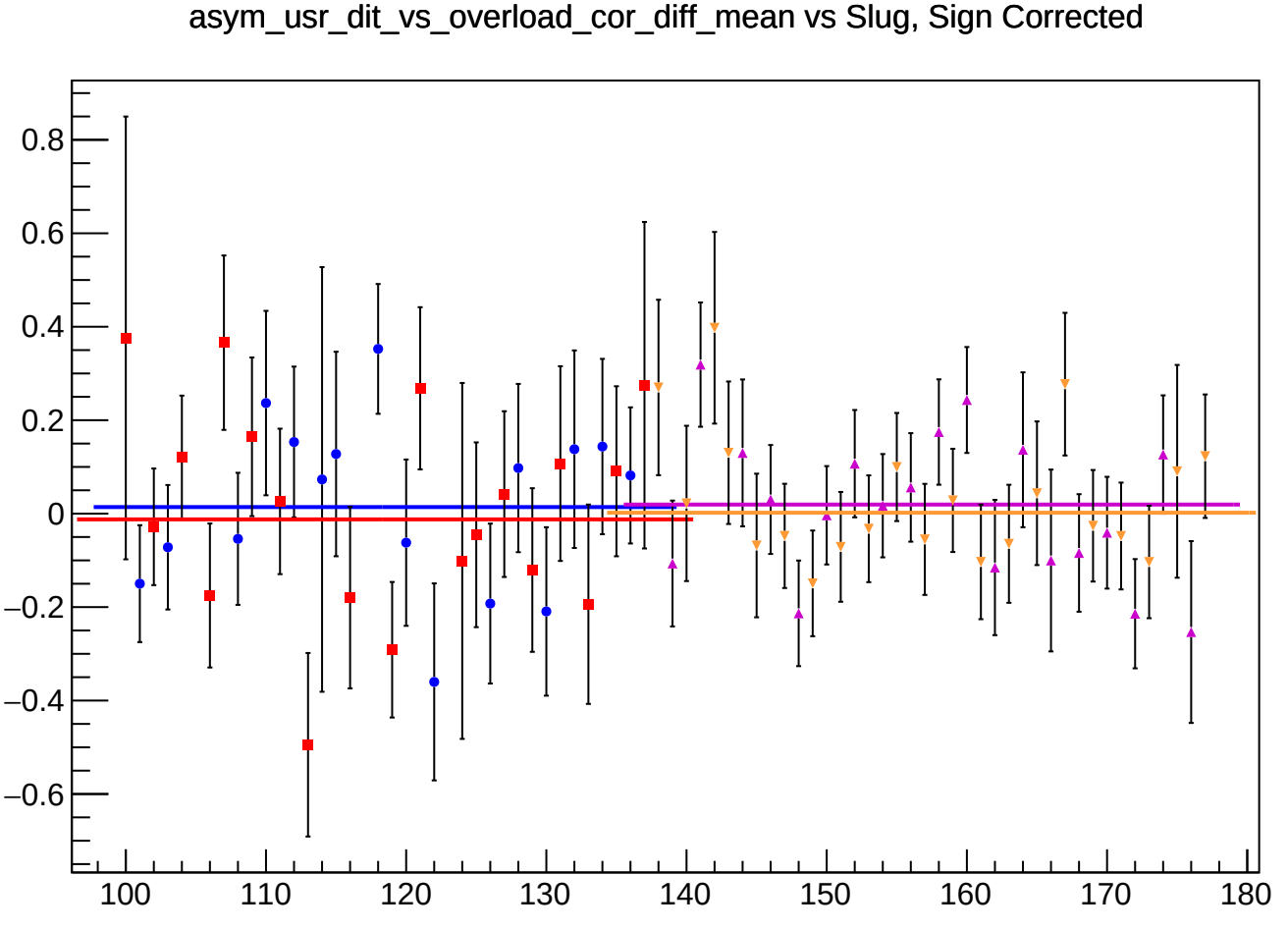
Left: 80.699+/-0.011 χ^2/NDF: 1758705.3/39

Right: 77.530+/-0.015 χ^2/NDF: 816090.7/34

In: 79.021+/-0.012 χ^2/NDF:943184.1/34

Out: 80.272+/-0.012 χ^2/NDF:1656403.4/39

All: 79.651+/-0.009 χ^2/NDF: 2604884.9/74



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: 0.002+/-0.029 χ^2/NDF:16.5/20

Right Out: -0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: 0.019+/-0.029 χ^2/NDF:26.6/18

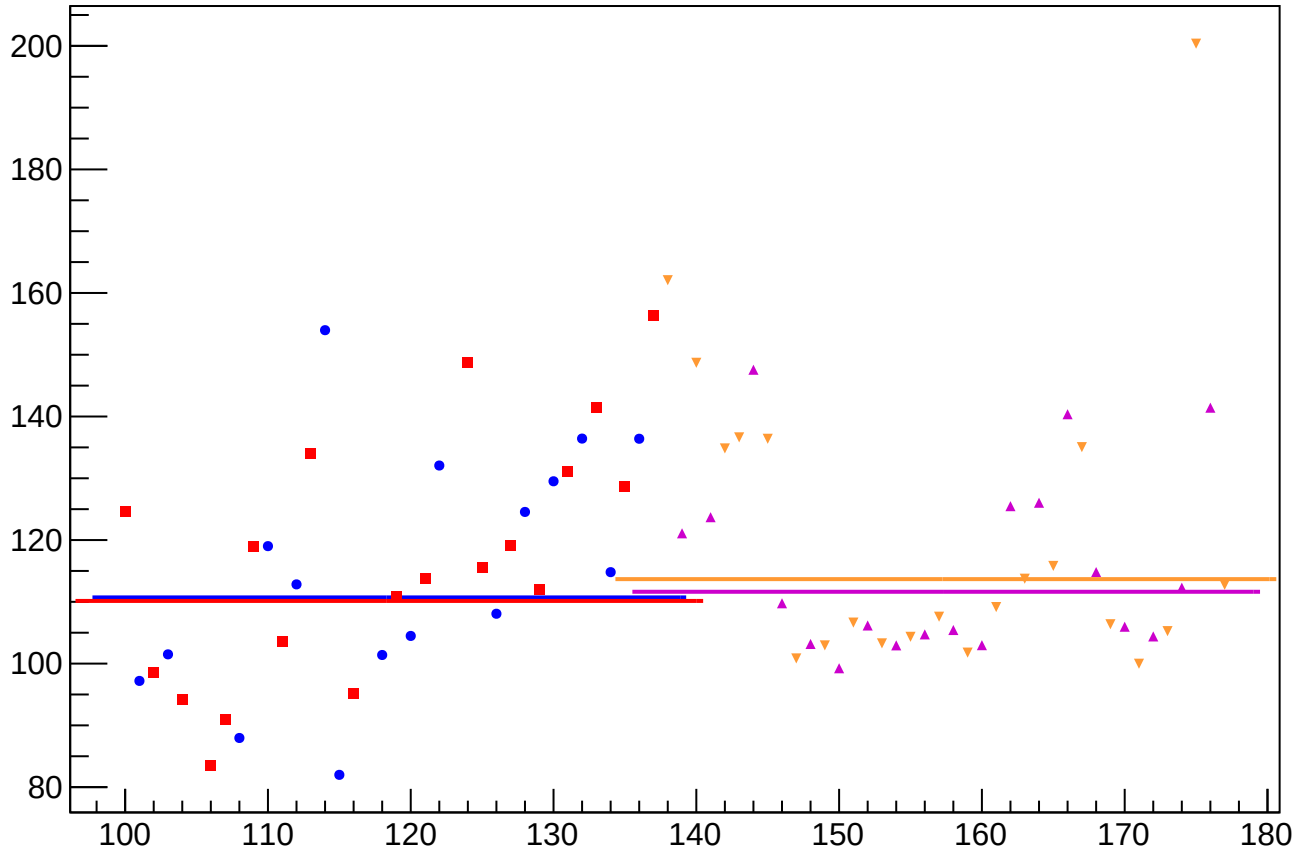
Left: 0.011+/-0.020 χ^2/NDF: 43.3/39

Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.018+/-0.024 χ^2/NDF:44.8/34

Out: -0.003+/-0.024 χ^2/NDF:40.3/39

All: 0.007+/-0.017 χ^2/NDF: 85.5/74



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 113.675+/-0.020 χ^2/NDF:819985.2/20

Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 111.628+/-0.021 χ^2/NDF:349264.7/18

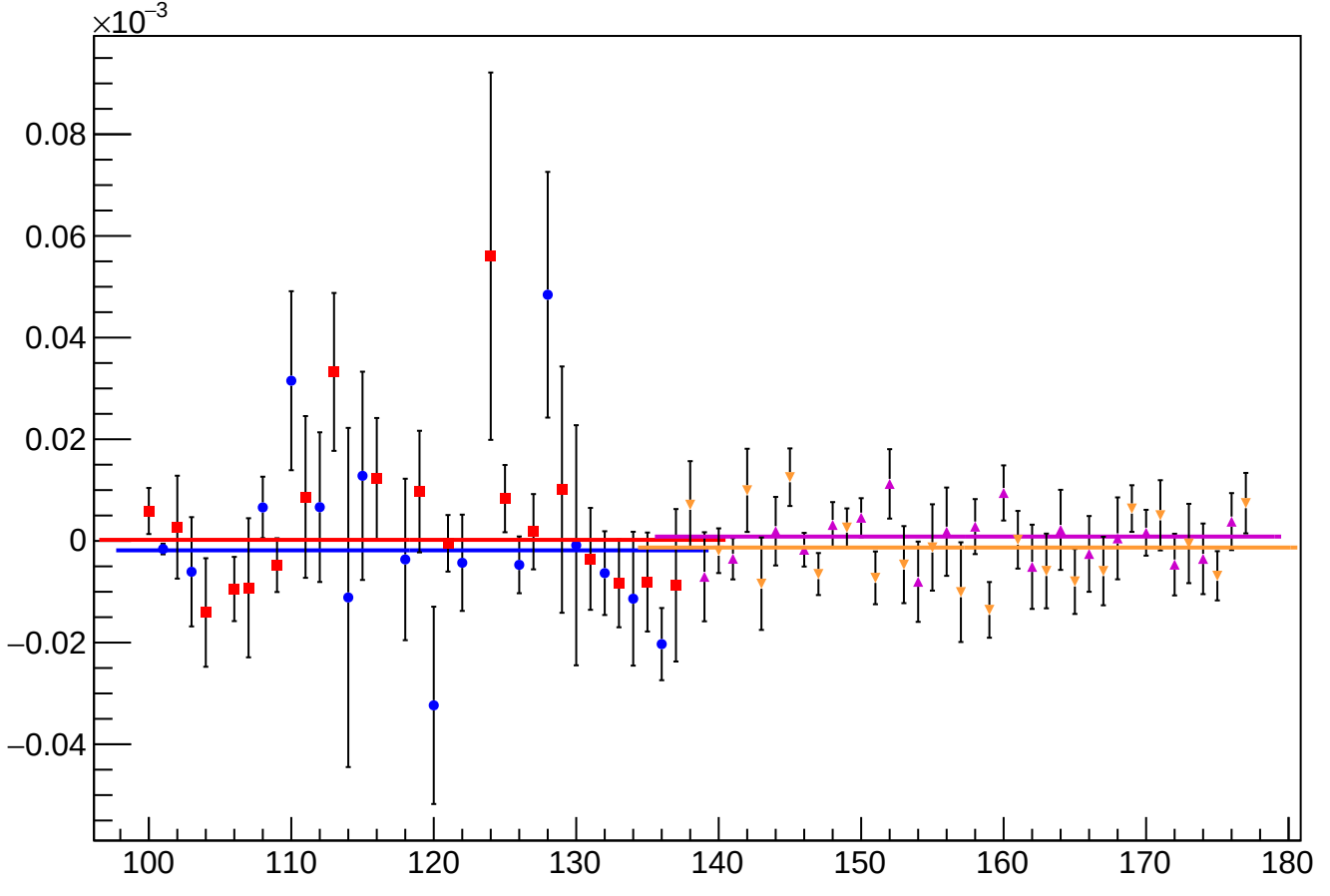
Left: 112.663+/-0.014 χ^2/NDF: 1174281.4/39

Right: 110.423+/-0.021 χ^2/NDF: 626885.1/34

In: 111.336+/-0.017 χ^2/NDF:649873.1/34

Out: 112.527+/-0.017 χ^2/NDF:1156564.4/39

All: 111.940+/-0.012 χ^2/NDF: 1808953.5/74



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.6/20

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:12.3/18

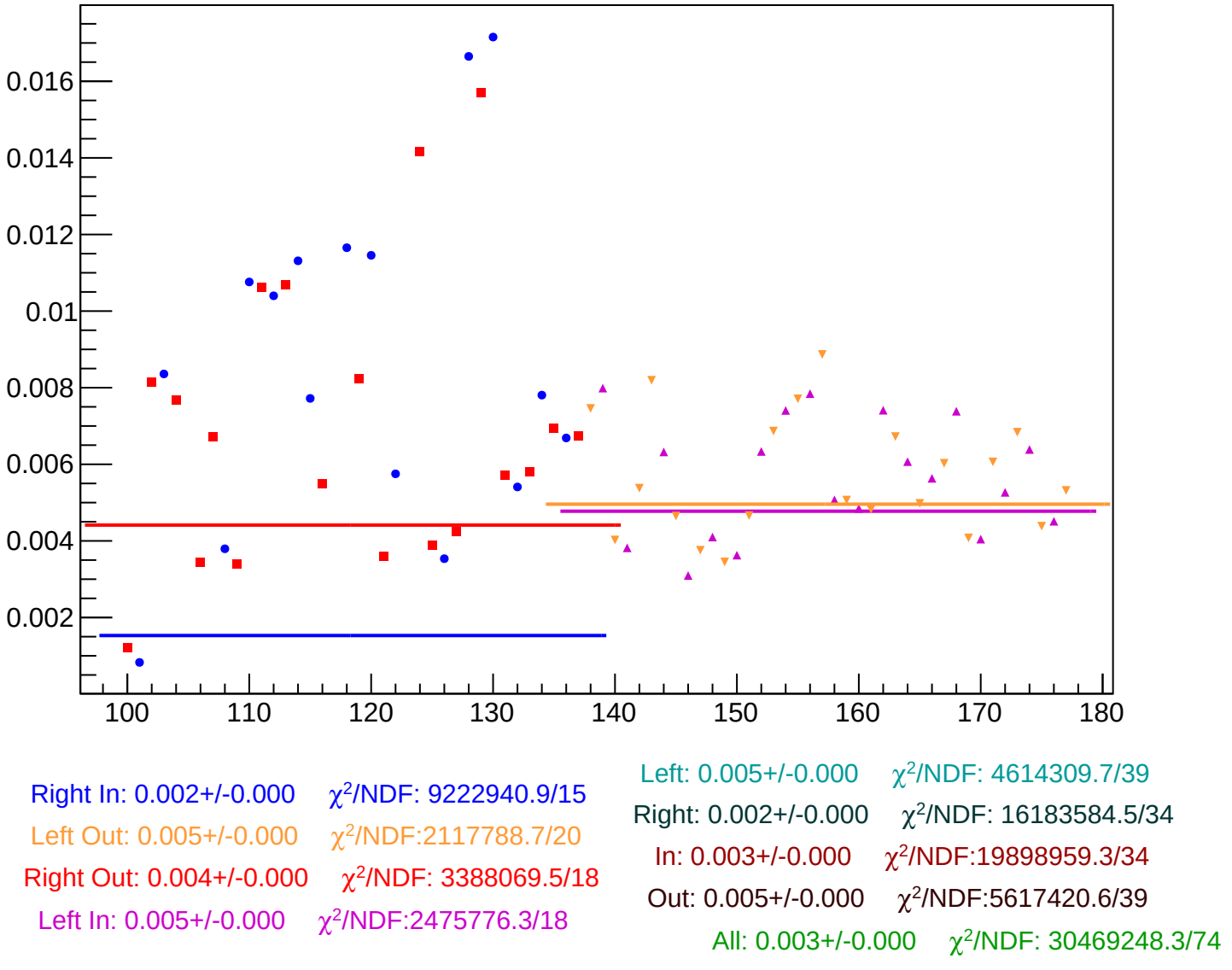
Left: -0.000+/-0.000 χ^2/NDF: 42.3/39

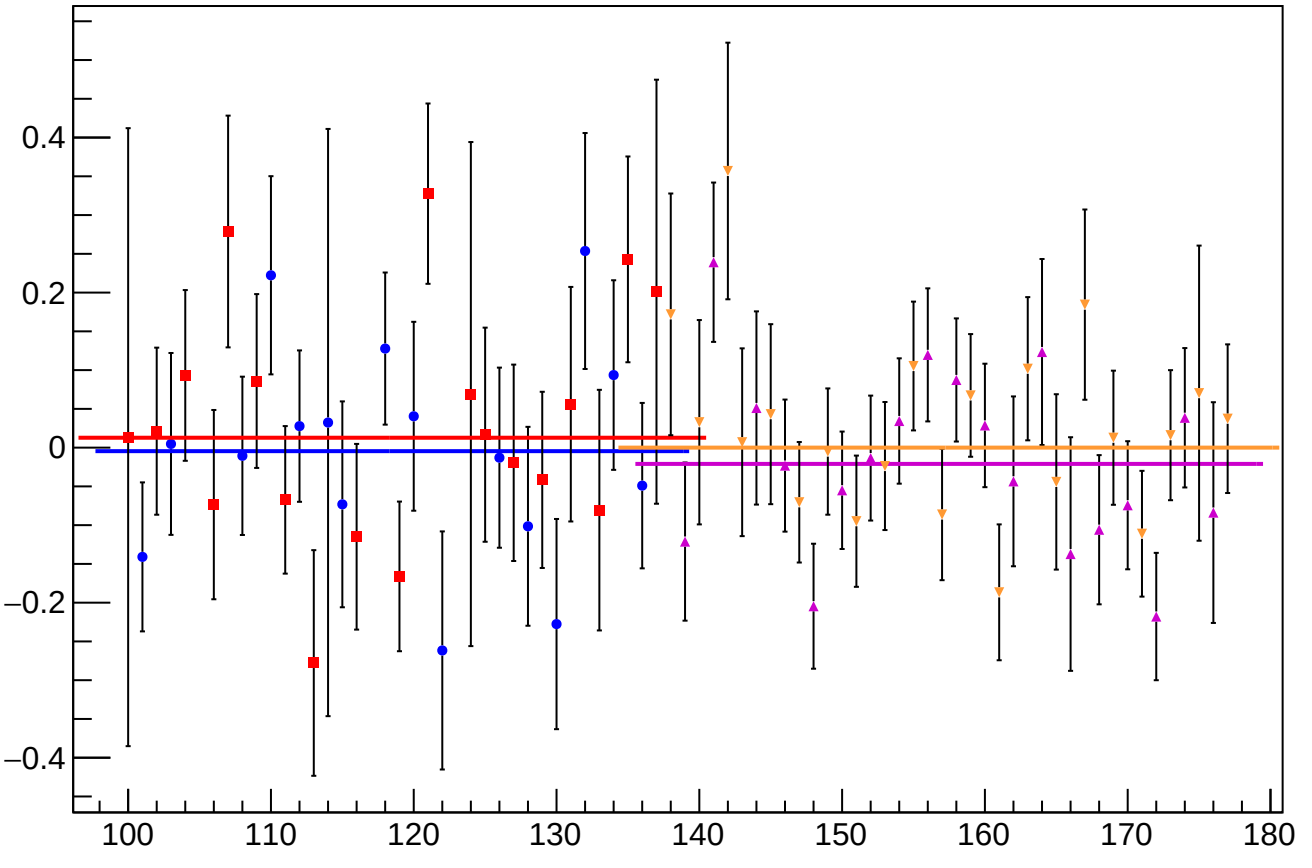
Right: -0.000+/-0.000 χ^2/NDF: 42.2/34

In: -0.000+/-0.000 χ^2/NDF:36.5/34

Out: -0.000+/-0.000 χ^2/NDF:48.9/39

All: -0.000+/-0.000 χ^2/NDF: 85.4/74


asym_usr_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
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: 0.002+/-0.000 χ²/NDF: 9222940.9/15
Left Out: 0.005+/-0.000 χ²/NDF:2117788.7/20
Right Out: 0.004+/-0.000 χ²/NDF: 3388069.5/18
Left In: 0.005+/-0.000 χ²/NDF:2475776.3/18
Left: 0.005+/-0.000 χ²/NDF: 4614309.7/39
Right: 0.002+/-0.000 χ²/NDF: 16183584.5/34
In: 0.003+/-0.000 χ²/NDF:19898959.3/34
Out: 0.005+/-0.000 χ²/NDF:5617420.6/39
All: 0.003+/-0.000 χ²/NDF: 30469248.3/74



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.000+/-0.021 χ^2/NDF:22.0/20

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.021+/-0.021 χ^2/NDF:28.2/18

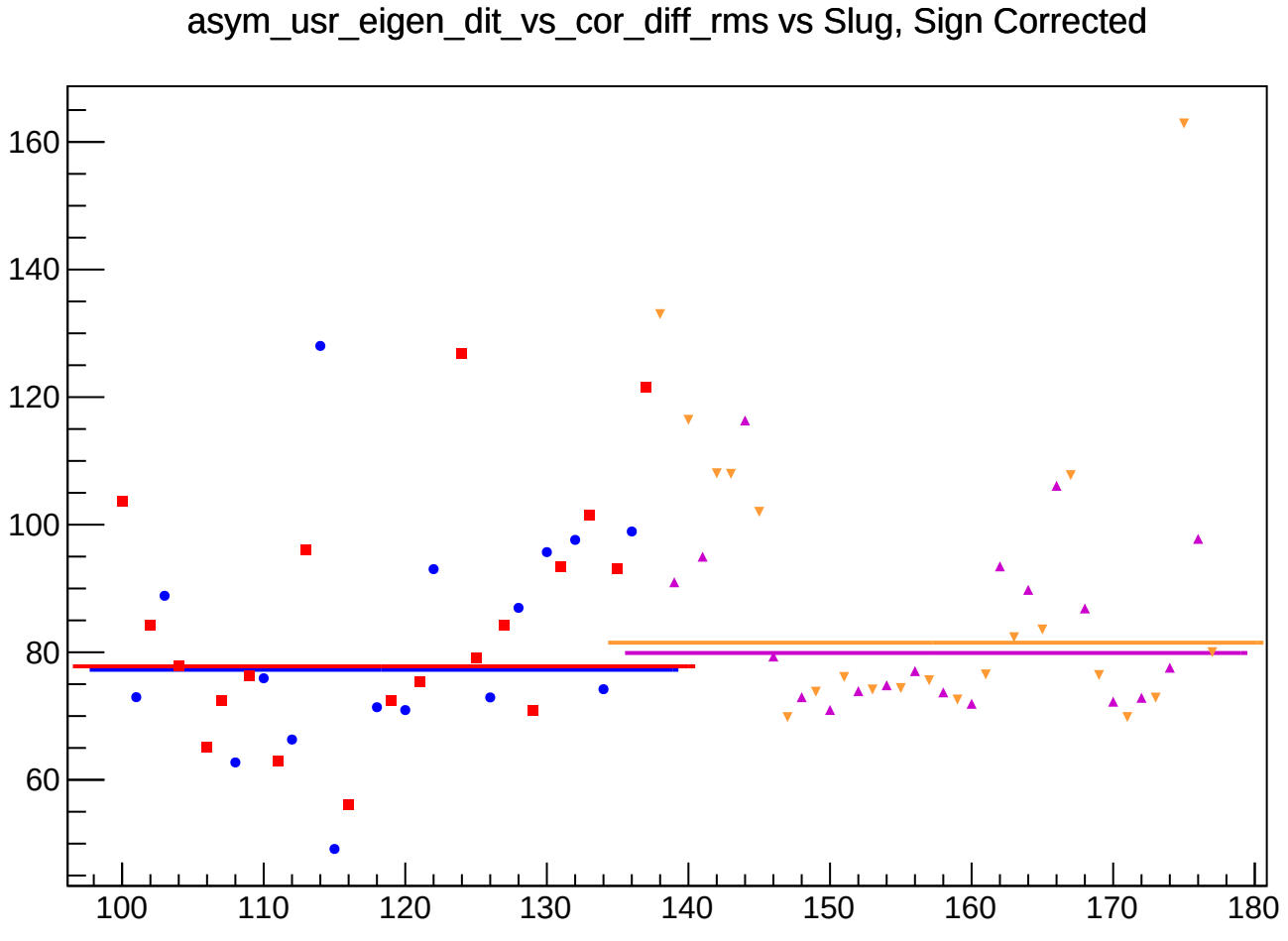
Left: -0.010+/-0.015 χ^2/NDF: 50.7/39

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.016+/-0.017 χ^2/NDF:45.7/34

Out: 0.004+/-0.017 χ^2/NDF:47.6/39

All: -0.006+/-0.012 χ^2/NDF: 93.9/74



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 81.501+/-0.015 χ^2/NDF:1239167.6/20

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 79.887+/-0.015 χ^2/NDF:513637.3/18

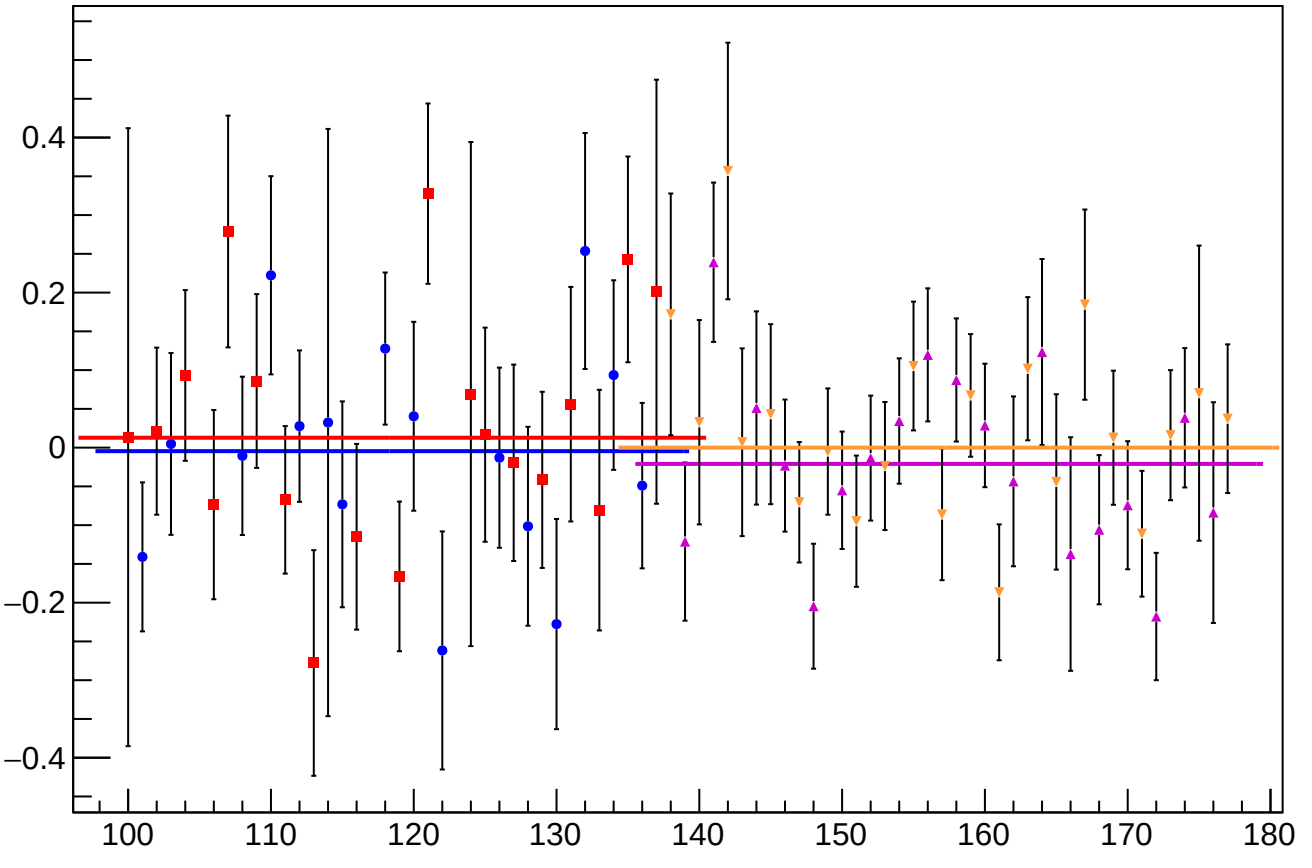
Left: 80.699+/-0.011 χ^2/NDF: 1758705.7/39

Right: 77.529+/-0.015 χ^2/NDF: 816074.1/34

In: 79.021+/-0.012 χ^2/NDF:943187.7/34

Out: 80.271+/-0.012 χ^2/NDF:1656424.1/39

All: 79.651+/-0.009 χ^2/NDF: 2604909.8/74



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: 0.000+/-0.021 χ^2/NDF:22.0/20

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.021+/-0.021 χ^2/NDF:28.2/18

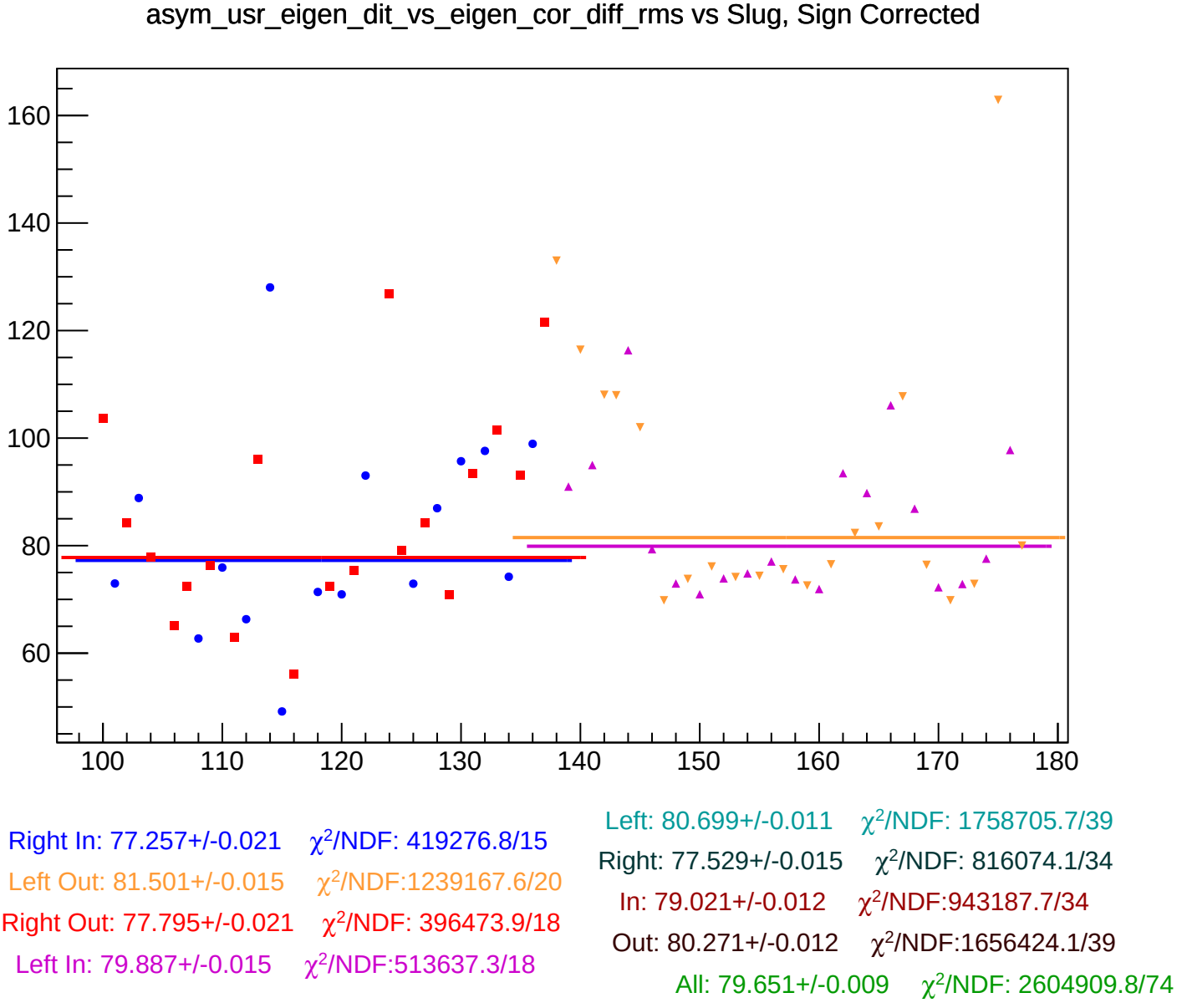
Left: -0.010+/-0.015 χ^2/NDF: 50.7/39

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.016+/-0.017 χ^2/NDF:45.7/34

Out: 0.004+/-0.017 χ^2/NDF:47.6/39

All: -0.006+/-0.012 χ^2/NDF: 93.9/74


asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
160
140
120
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80
60
100
110
120
130
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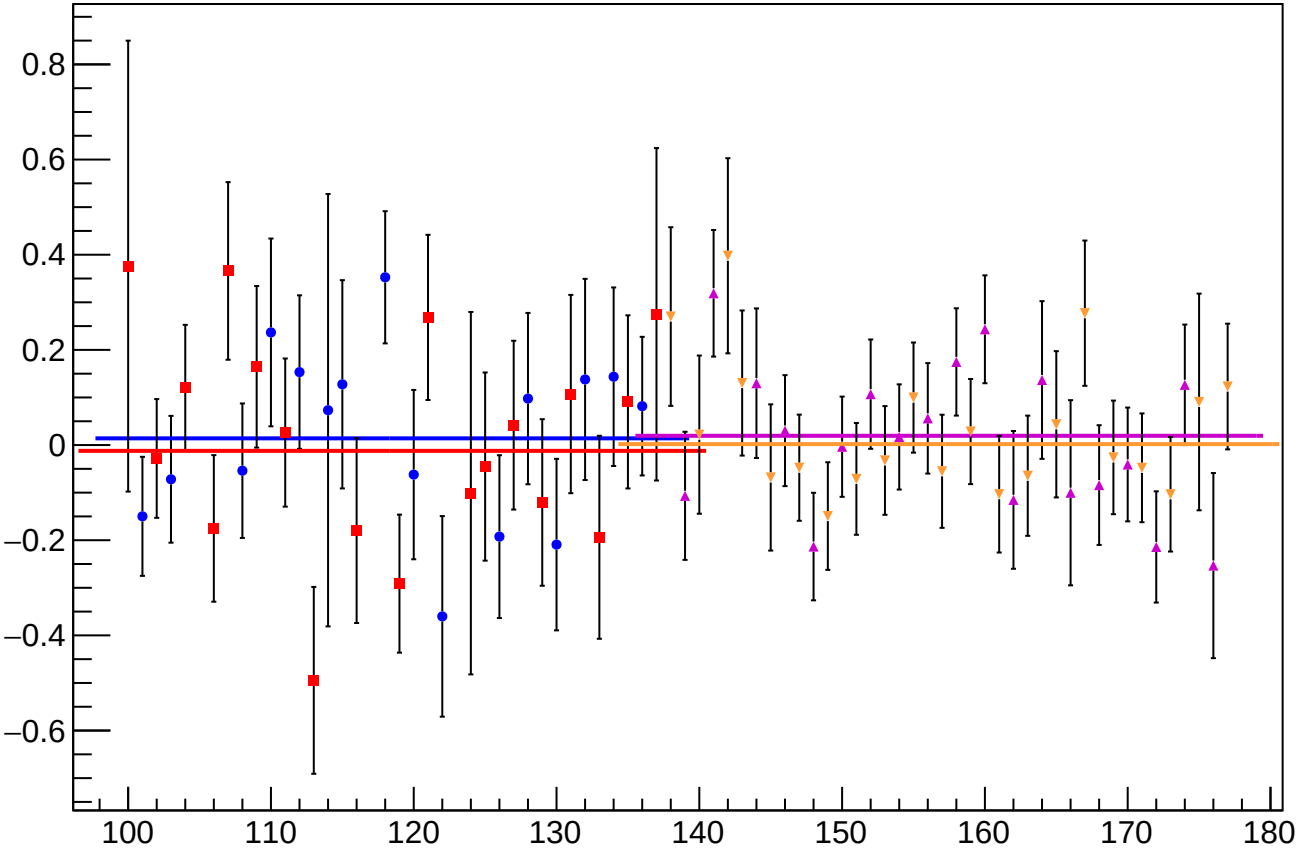
170
180
Right In: 77.257+/-0.021 χ²/NDF: 419276.8/15
Left Out: 81.501+/-0.015 χ²/NDF:1239167.6/20
Right Out: 77.795+/-0.021 χ²/NDF: 396473.9/18
Left In: 79.887+/-0.015 χ²/NDF:513637.3/18
Left: 80.699+/-0.011 χ²/NDF: 1758705.7/39
Right: 77.529+/-0.015 χ²/NDF: 816074.1/34
In: 79.021+/-0.012 χ²/NDF:943187.7/34
Out: 80.271+/-0.012 χ²/NDF:1656424.1/39
All: 79.651+/-0.009 χ²/NDF: 2604909.8/74

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: 0.002+/-0.029 χ^2/NDF:16.5/20

Right Out: -0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: 0.019+/-0.029 χ^2/NDF:26.6/18

Left: 0.011+/-0.020 χ^2/NDF: 43.3/39

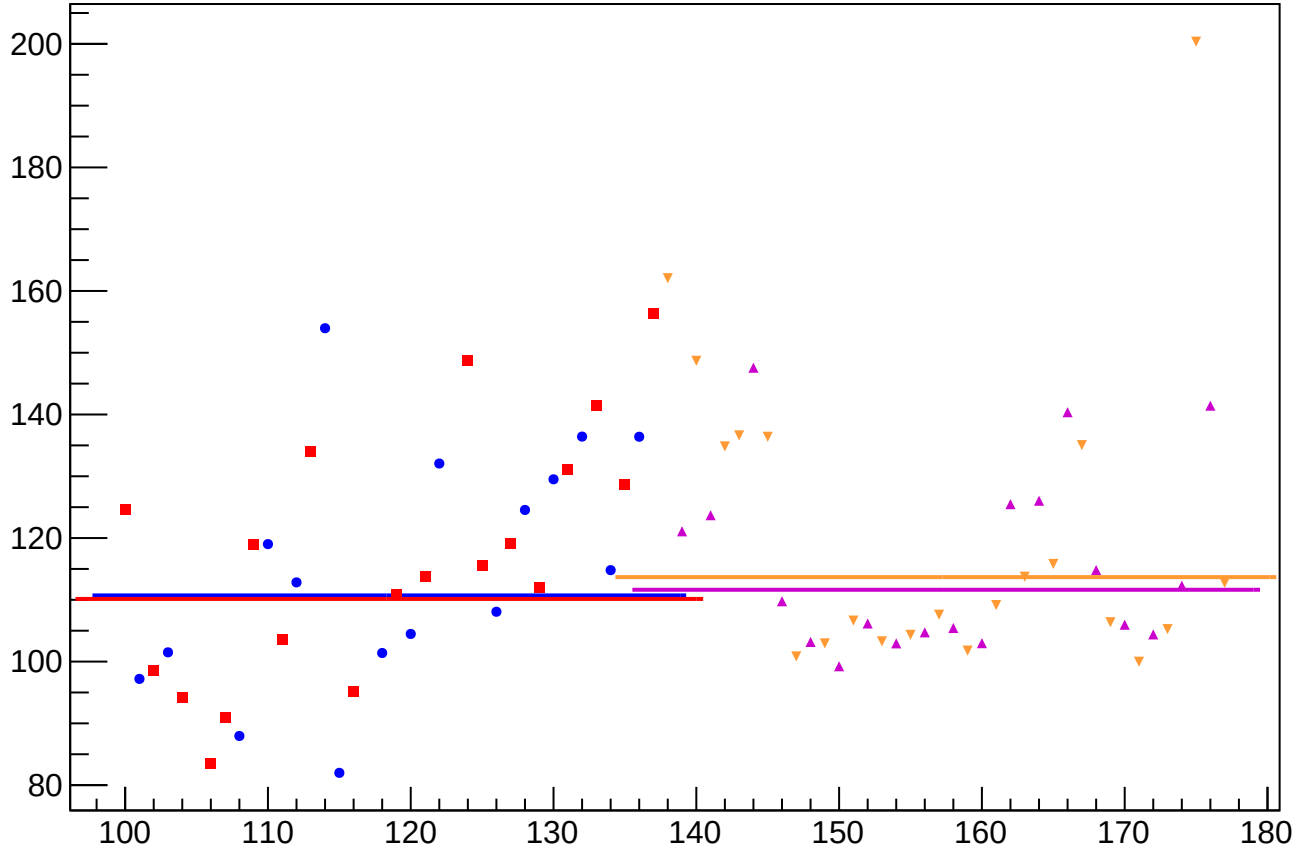
Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.018+/-0.024 χ^2/NDF:44.8/34

Out: -0.003+/-0.024 χ^2/NDF:40.3/39

All: 0.007+/-0.017 χ^2/NDF: 85.5/74

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: 113.675+/-0.020 χ^2/NDF:819983.6/20

Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 111.629+/-0.021 χ^2/NDF:349266.4/18

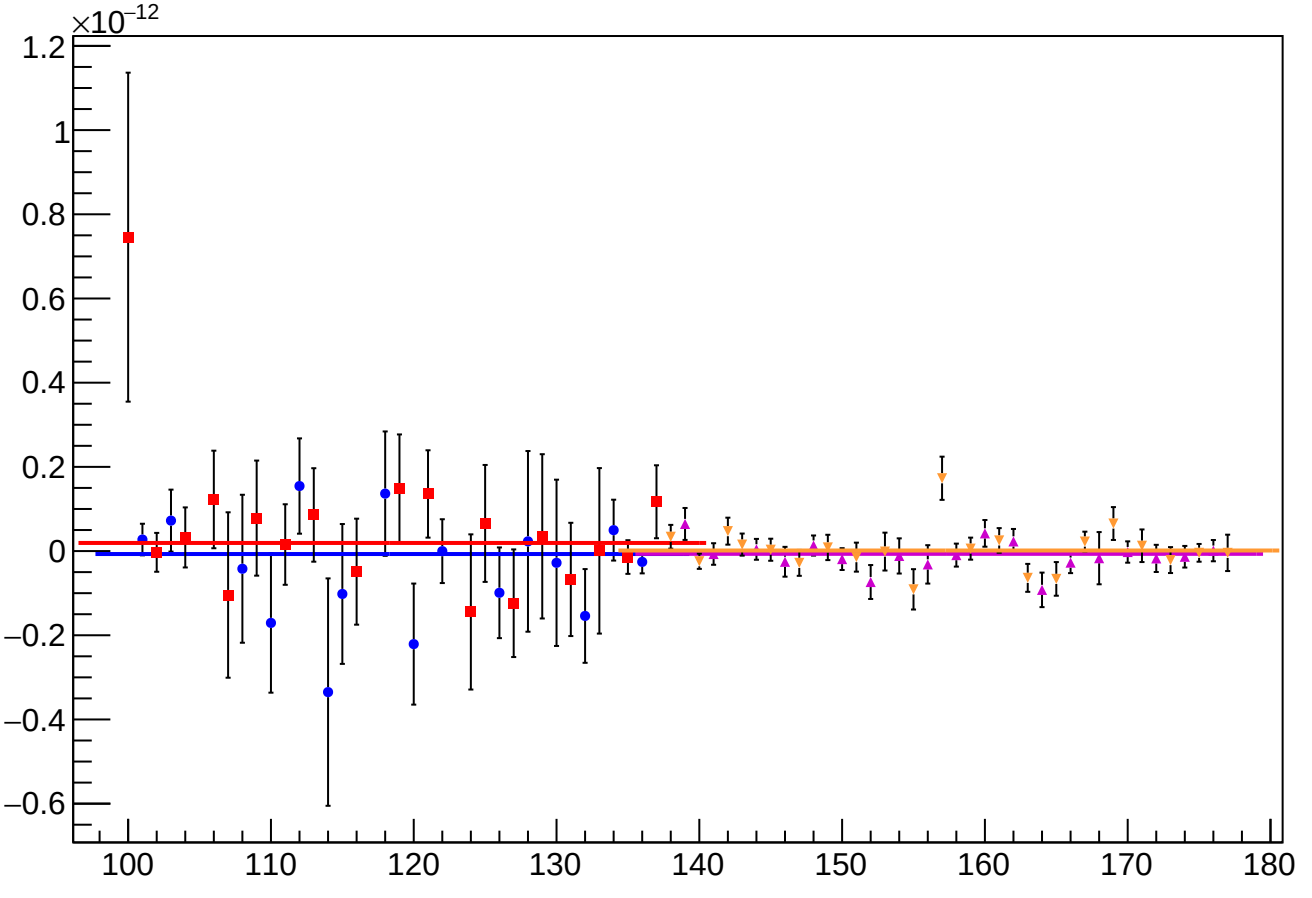
Left: 112.664+/-0.014 χ^2/NDF: 1174282.0/39

Right: 110.422+/-0.021 χ^2/NDF: 626830.6/34

In: 111.336+/-0.017 χ^2/NDF:649852.0/34

Out: 112.527+/-0.017 χ^2/NDF:1156540.0/39

All: 111.940+/-0.012 χ^2/NDF: 1808908.4/74



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

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:16.7/18

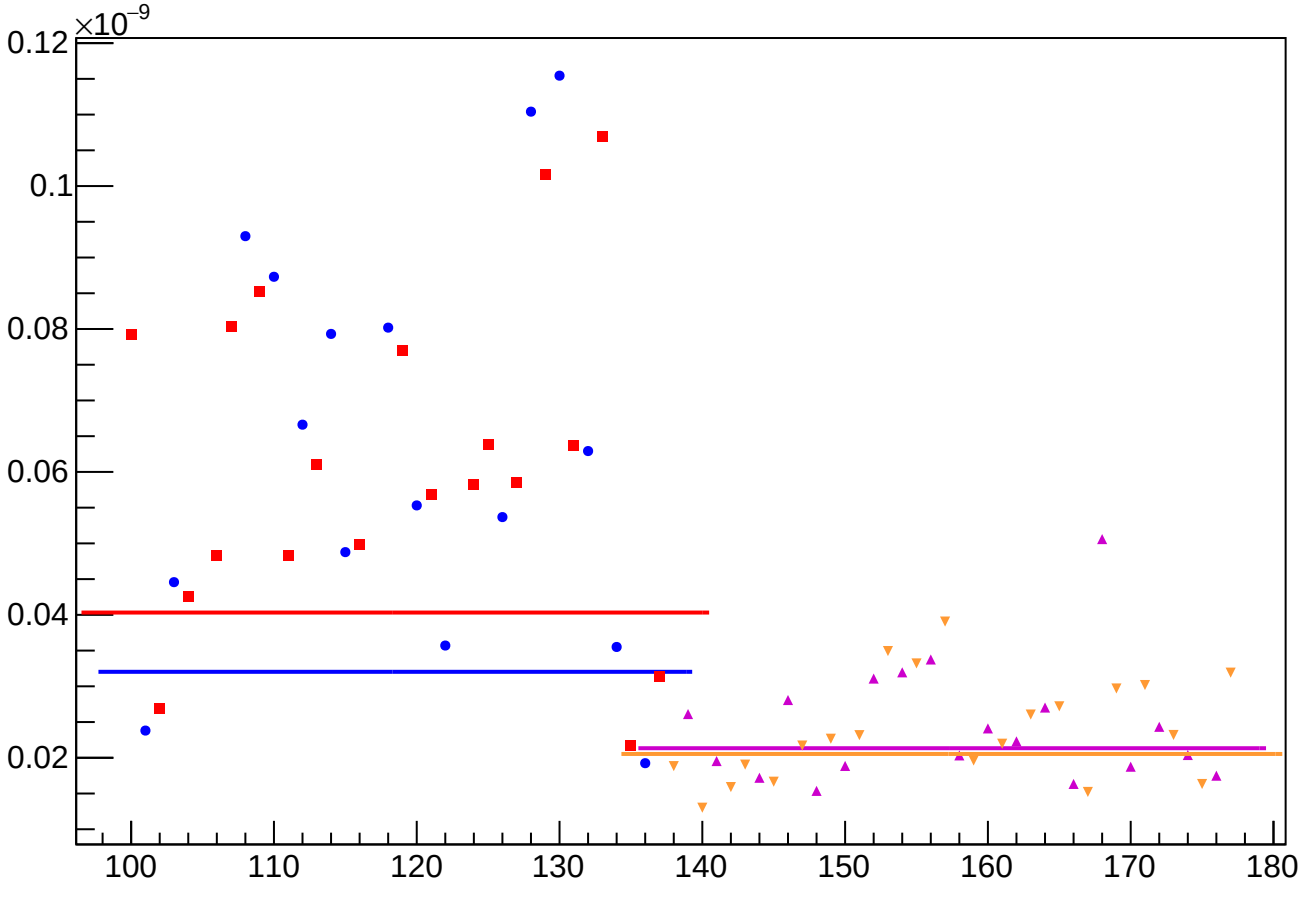
Left: -0.000+/-0.000 χ^2/NDF: 50.8/39

Right: 0.000+/-0.000 χ^2/NDF: 27.1/34

In: -0.000+/-0.000 χ^2/NDF:30.3/34

Out: 0.000+/-0.000 χ^2/NDF:46.6/39

All: -0.000+/-0.000 χ^2/NDF: 78.1/74



Right In: 0.000+/-0.000 χ^2/NDF: 2459312.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1760782.1/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1378539.2/18

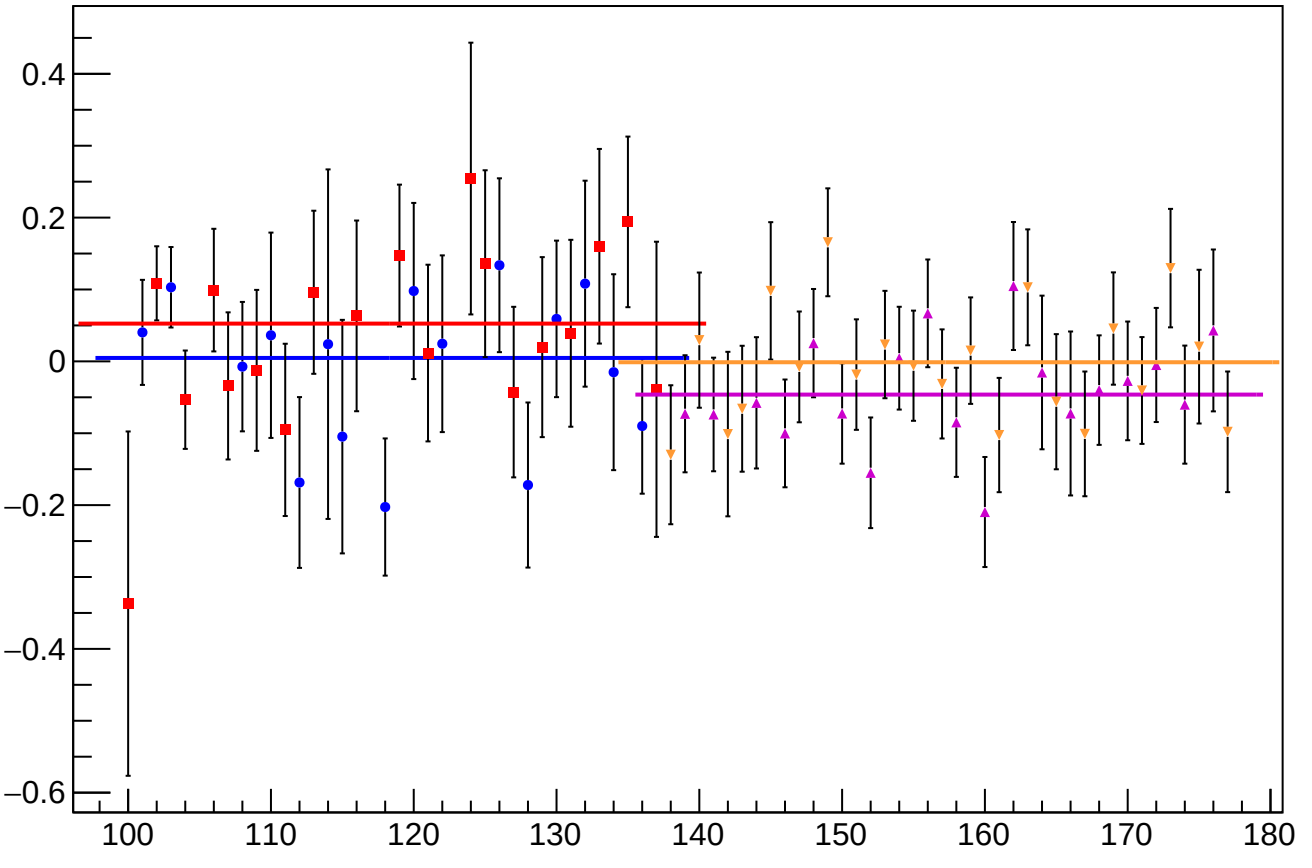
Left: 0.000+/-0.000 χ^2/NDF: 3153739.7/39

Right: 0.000+/-0.000 χ^2/NDF: 4504924.2/34

In: 0.000+/-0.000 χ^2/NDF:4458388.1/34

Out: 0.000+/-0.000 χ^2/NDF:5230732.6/39

All: 0.000+/-0.000 χ^2/NDF: 9694510.0/74



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: -0.001+/-0.018 χ^2/NDF:19.1/20

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.046+/-0.019 χ^2/NDF:15.4/18

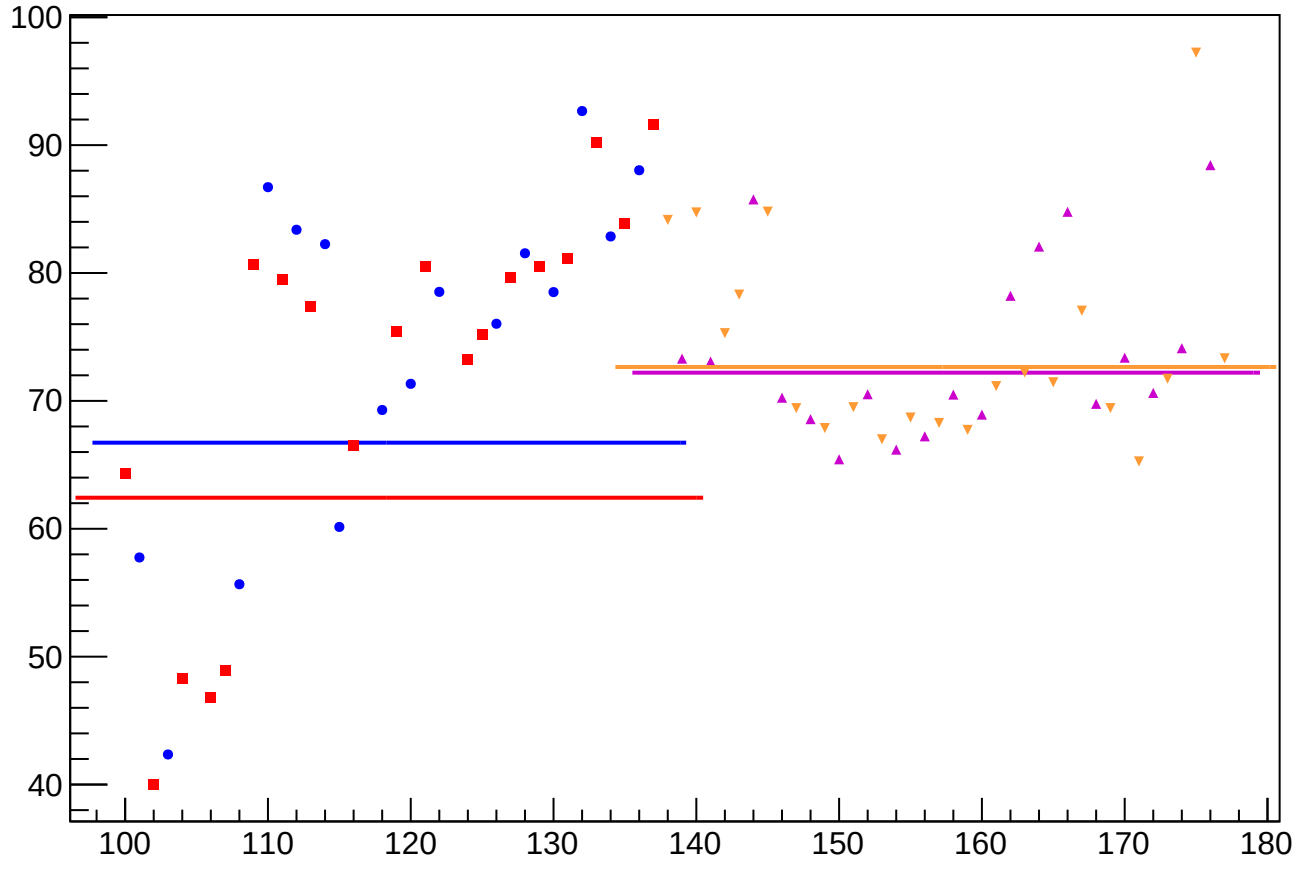
Left: -0.023+/-0.013 χ^2/NDF: 37.5/39

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.029+/-0.015 χ^2/NDF:34.6/34

Out: 0.018+/-0.014 χ^2/NDF:37.1/39

All: -0.004+/-0.010 χ^2/NDF: 76.7/74



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 72.649+/-0.013 χ^2/NDF:285633.6/20

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 72.207+/-0.013 χ^2/NDF:194458.8/18

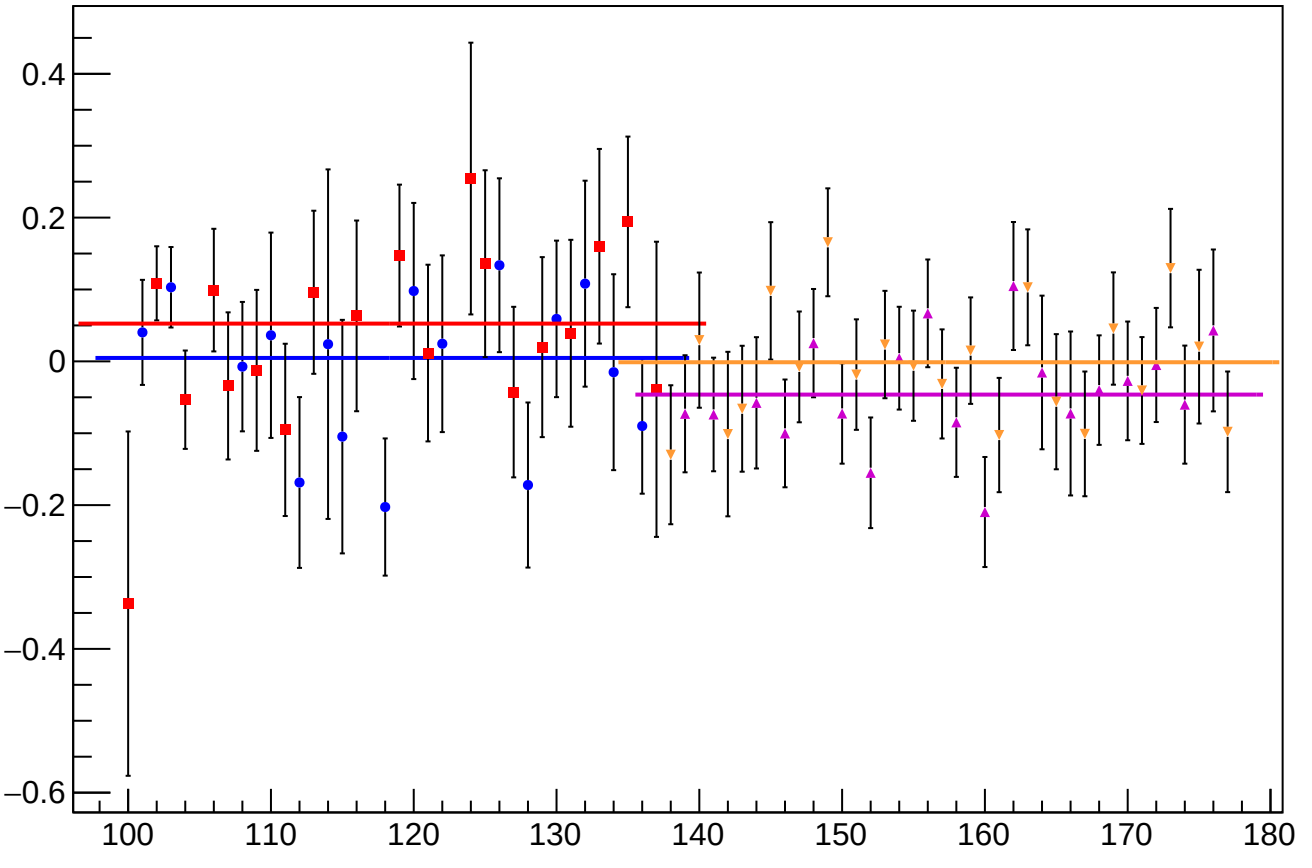
Left: 72.435+/-0.009 χ^2/NDF: 480669.4/39

Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 70.336+/-0.011 χ^2/NDF:1070050.6/34

Out: 68.949+/-0.010 χ^2/NDF:1629393.3/39

All: 69.612+/-0.007 χ^2/NDF: 2708210.3/74



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: -0.001+/-0.018 χ^2/NDF:19.1/20

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.046+/-0.019 χ^2/NDF:15.4/18

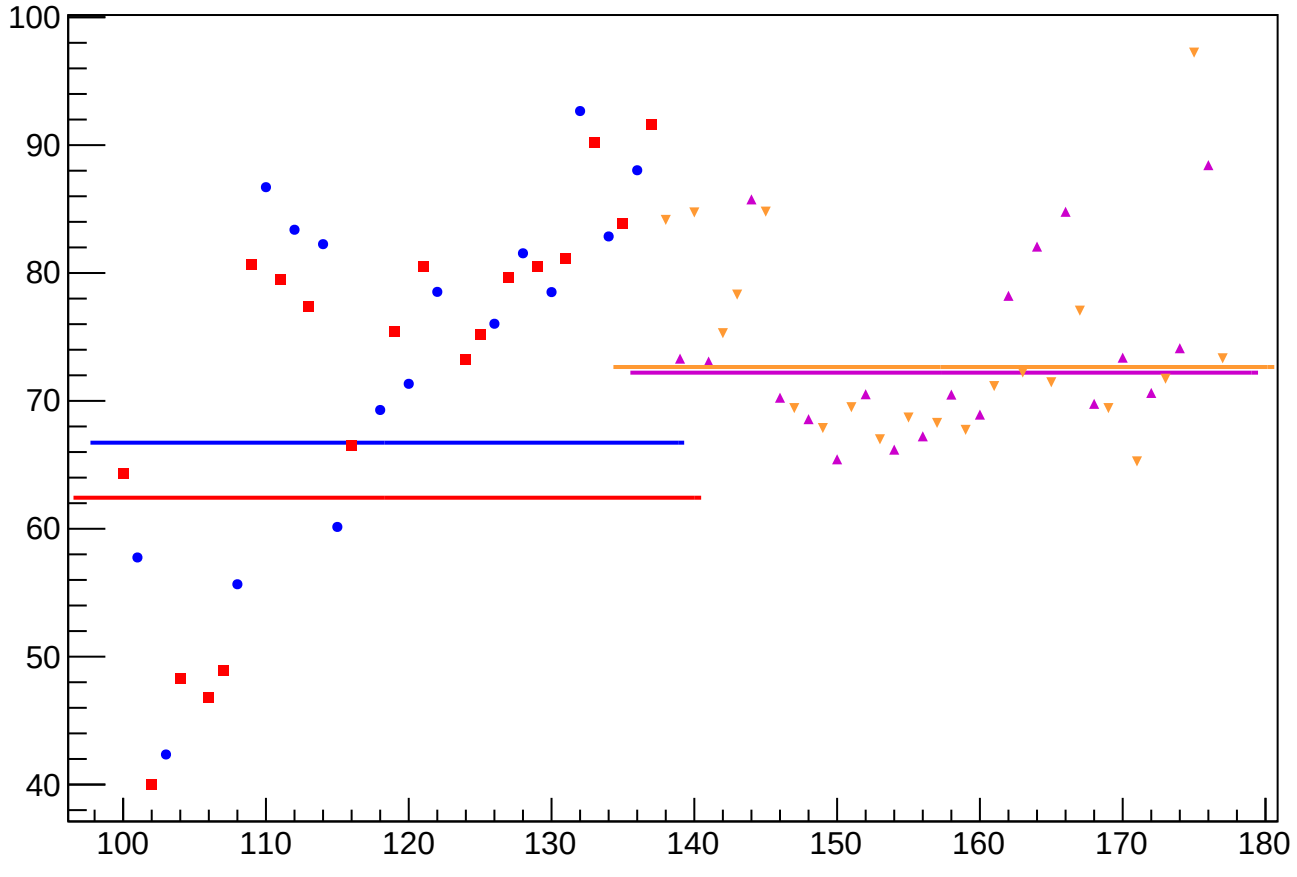
Left: -0.023+/-0.013 χ^2/NDF: 37.5/39

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.029+/-0.015 χ^2/NDF:34.6/34

Out: 0.018+/-0.014 χ^2/NDF:37.1/39

All: -0.004+/-0.010 χ^2/NDF: 76.7/74



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 72.649+/-0.013 χ^2/NDF:285633.6/20

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 72.207+/-0.013 χ^2/NDF:194458.8/18

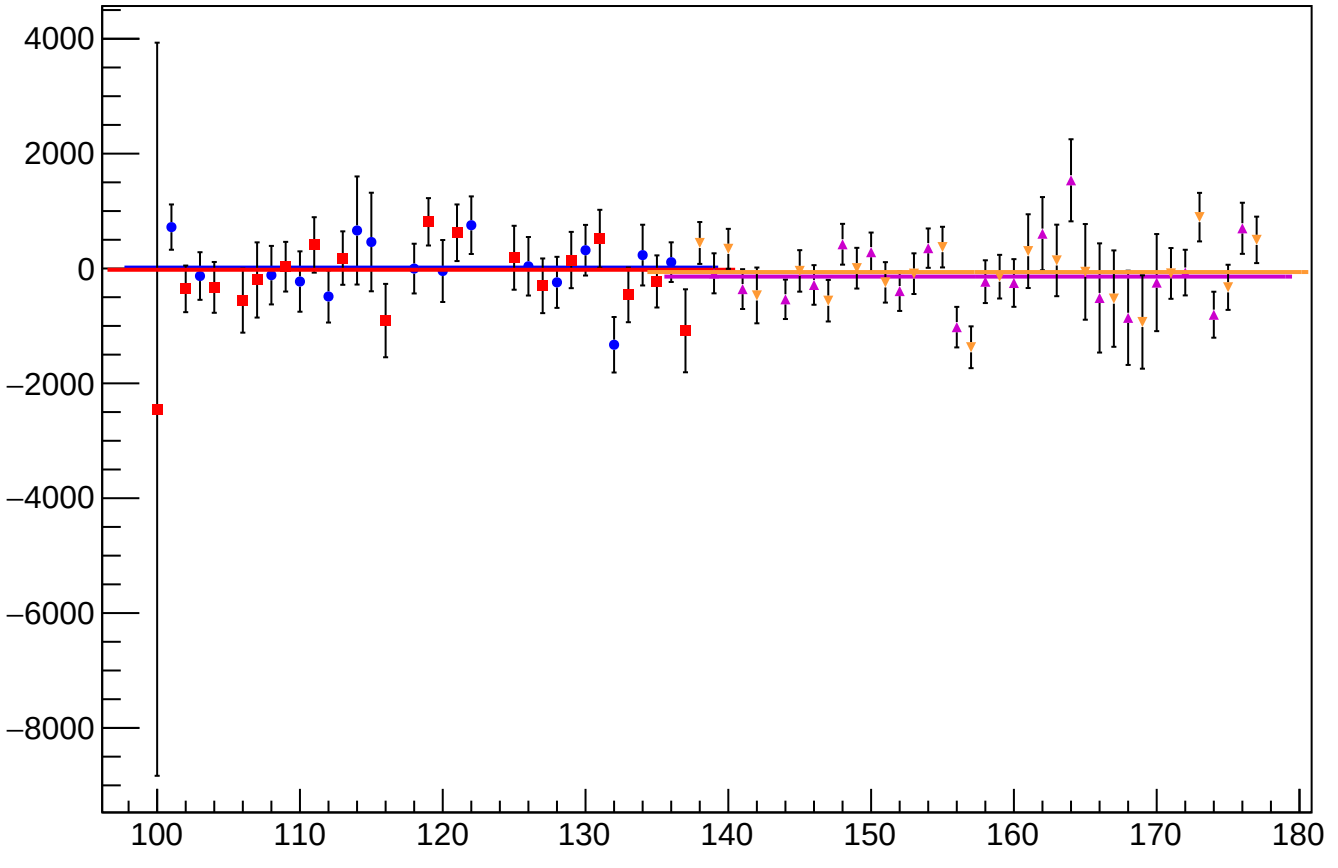
Left: 72.435+/-0.009 χ^2/NDF: 480669.4/39

Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 70.336+/-0.011 χ^2/NDF:1070050.6/34

Out: 68.949+/-0.010 χ^2/NDF:1629393.3/39

All: 69.612+/-0.007 χ^2/NDF: 2708210.3/74



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: -61.850+/-93.480 χ^2/NDF:30.1/19

Right Out: -22.145+/-119.211 χ^2/NDF: 16.0/17

Left In: -141.110+/-93.707 χ^2/NDF:29.1/18

Left: -101.384+/-66.180 χ^2/NDF: 59.5/38

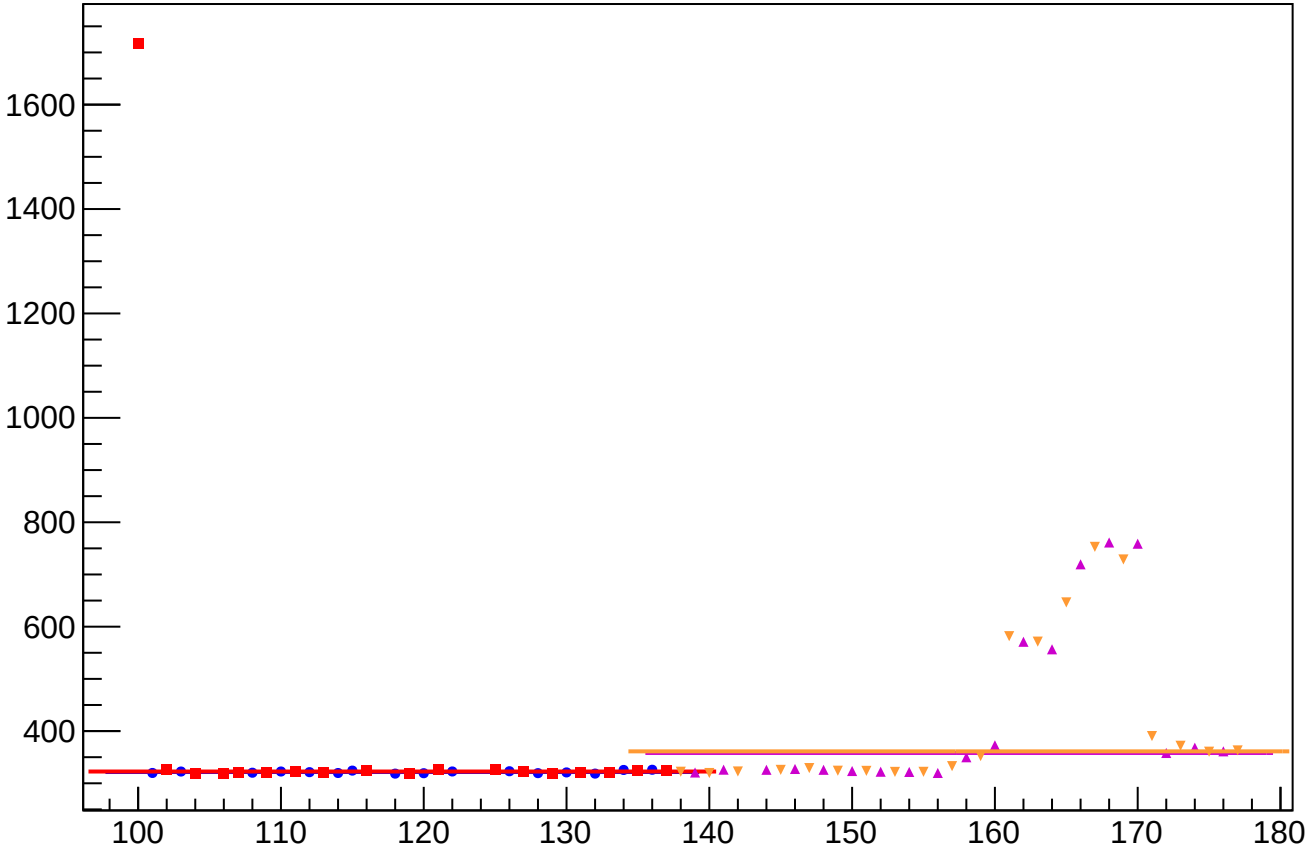
Right: -3.348+/-84.373 χ^2/NDF: 32.6/33

In: -81.429+/-73.723 χ^2/NDF:46.7/34

Out: -46.732+/-73.561 χ^2/NDF:46.1/37

All: -64.042+/-52.073 χ^2/NDF: 92.9/72

asym_dsl_rms vs Slug, Sign Corrected



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 361.177+/-0.066 χ^2/NDF:1758954.5/19

Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

Left In: 358.133+/-0.066 χ^2/NDF:1781947.8/18

Left: 359.659+/-0.047 χ^2/NDF: 3541959.6/38

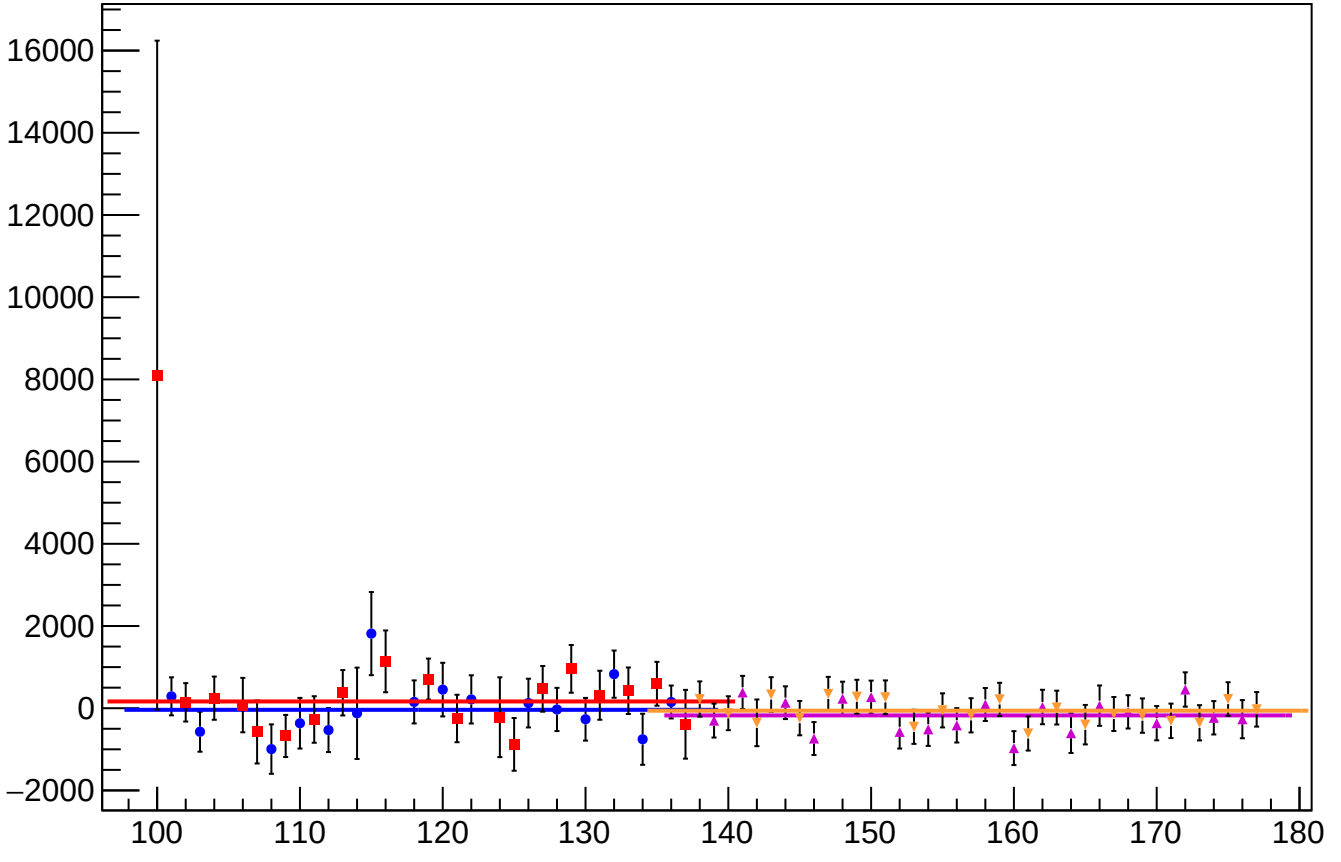
Right: 322.079+/-0.060 χ^2/NDF: 97778.0/33

In: 344.214+/-0.052 χ^2/NDF:1898579.3/34

Out: 346.470+/-0.052 χ^2/NDF:1985851.4/37

All: 345.345+/-0.037 χ^2/NDF: 3885369.0/72

asym_dsr_mean vs Slug, Sign Corrected



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: -59.836+/-92.332 χ^2/NDF:9.2/20

Right Out: 164.639+/-138.962 χ^2/NDF: 15.1/18

Left In: -174.946+/-95.713 χ^2/NDF:16.9/18

Left: -115.322+/-66.452 χ^2/NDF: 26.8/39

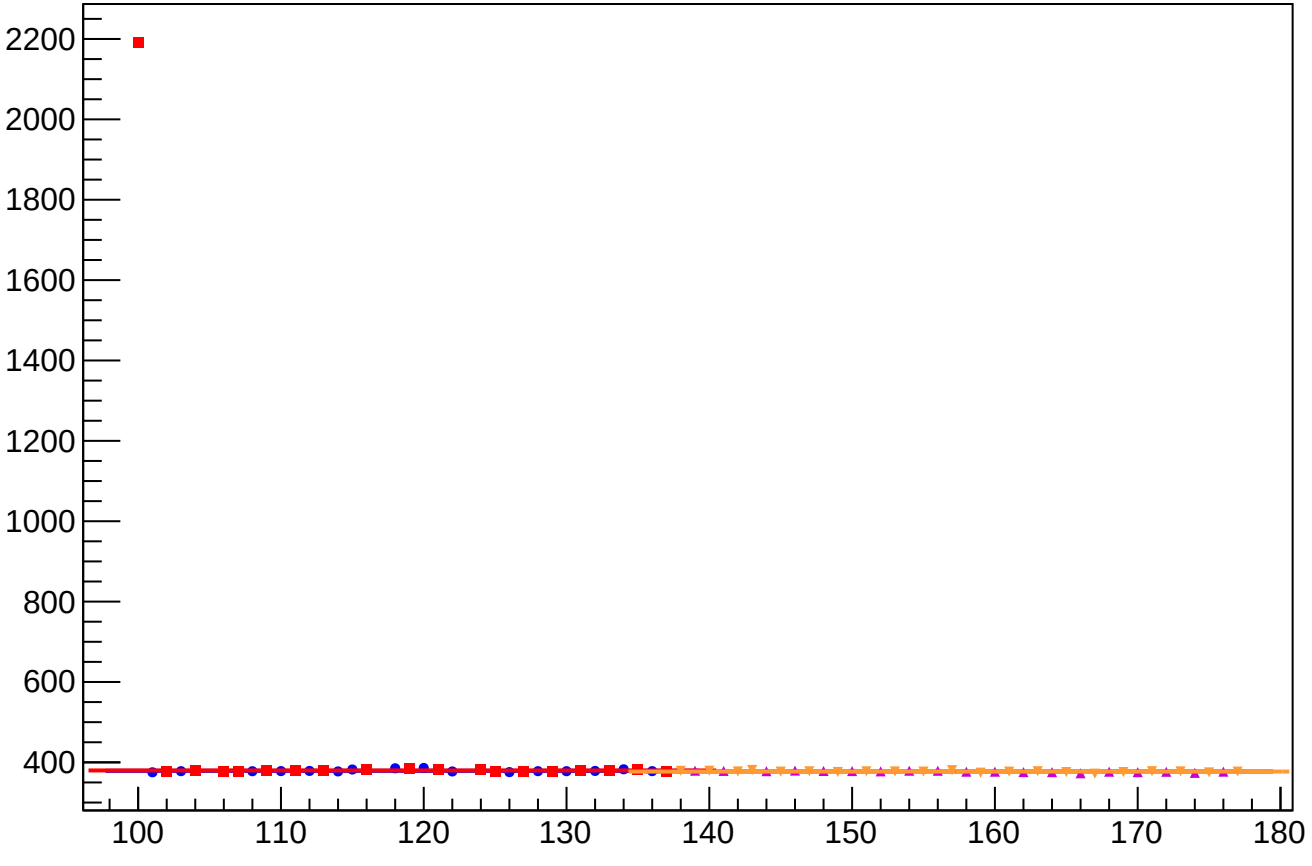
Right: 64.141+/-98.877 χ^2/NDF: 29.9/34

In: -131.919+/-79.141 χ^2/NDF:31.2/34

Out: 8.913+/-76.904 χ^2/NDF:26.2/39

All: -59.484+/-55.153 χ^2/NDF: 59.0/74

asym_dsr_rms vs Slug, Sign Corrected



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 377.103+/-0.065 χ^2/NDF:941.0/20

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

Left In: 377.310+/-0.068 χ^2/NDF:665.1/18

Left: 377.203+/-0.047 χ^2/NDF: 1611.0/39

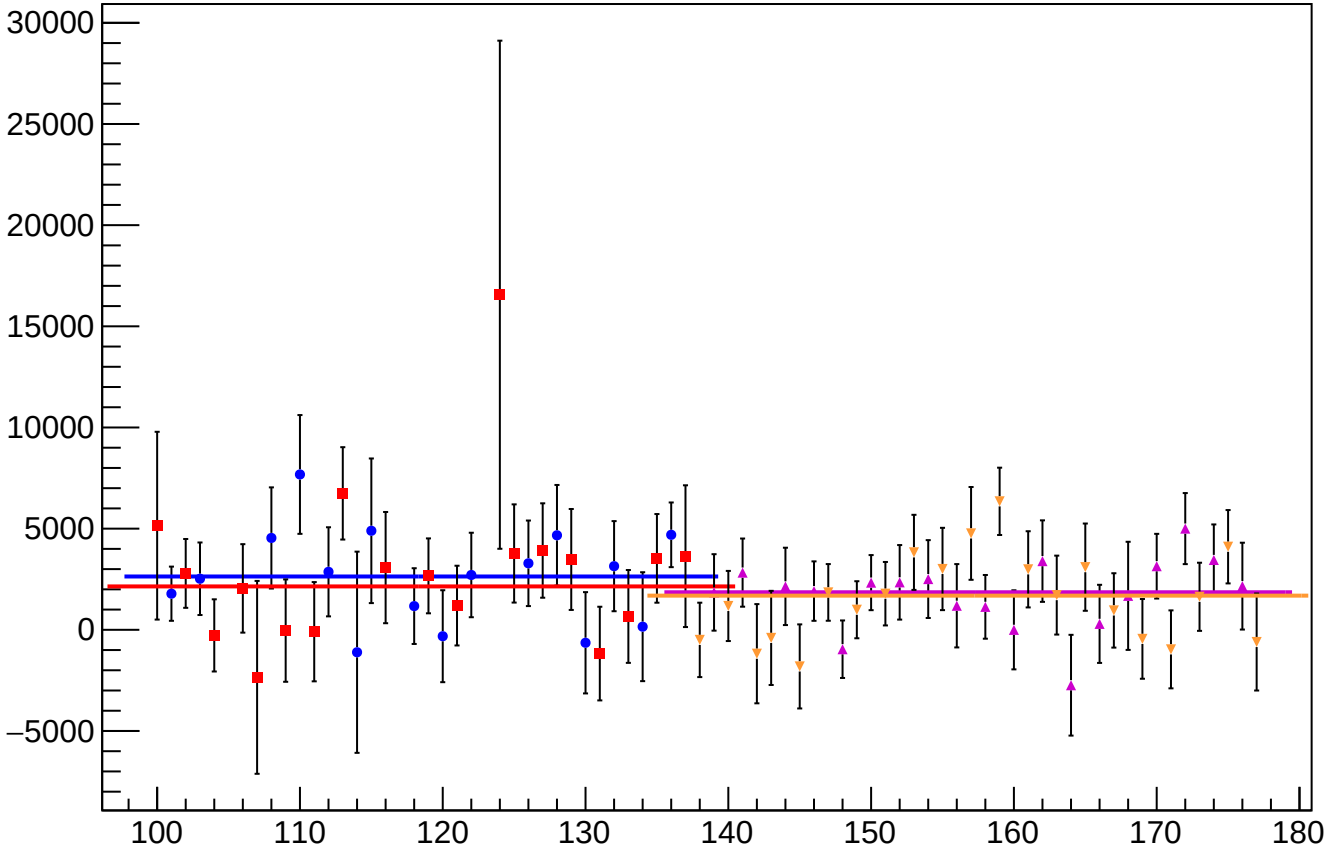
Right: 379.400+/-0.070 χ^2/NDF: 100520.6/34

In: 377.816+/-0.056 χ^2/NDF:1693.1/34

Out: 377.953+/-0.054 χ^2/NDF:101115.8/39

All: 377.886+/-0.039 χ^2/NDF: 102811.9/74

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: 1688.779+/-403.951 χ^2/NDF:25.0/20

Right Out: 2144.569+/-546.963 χ^2/NDF: 15.0/18

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

Left: 1770.959+/-287.815 χ^2/NDF: 40.3/39

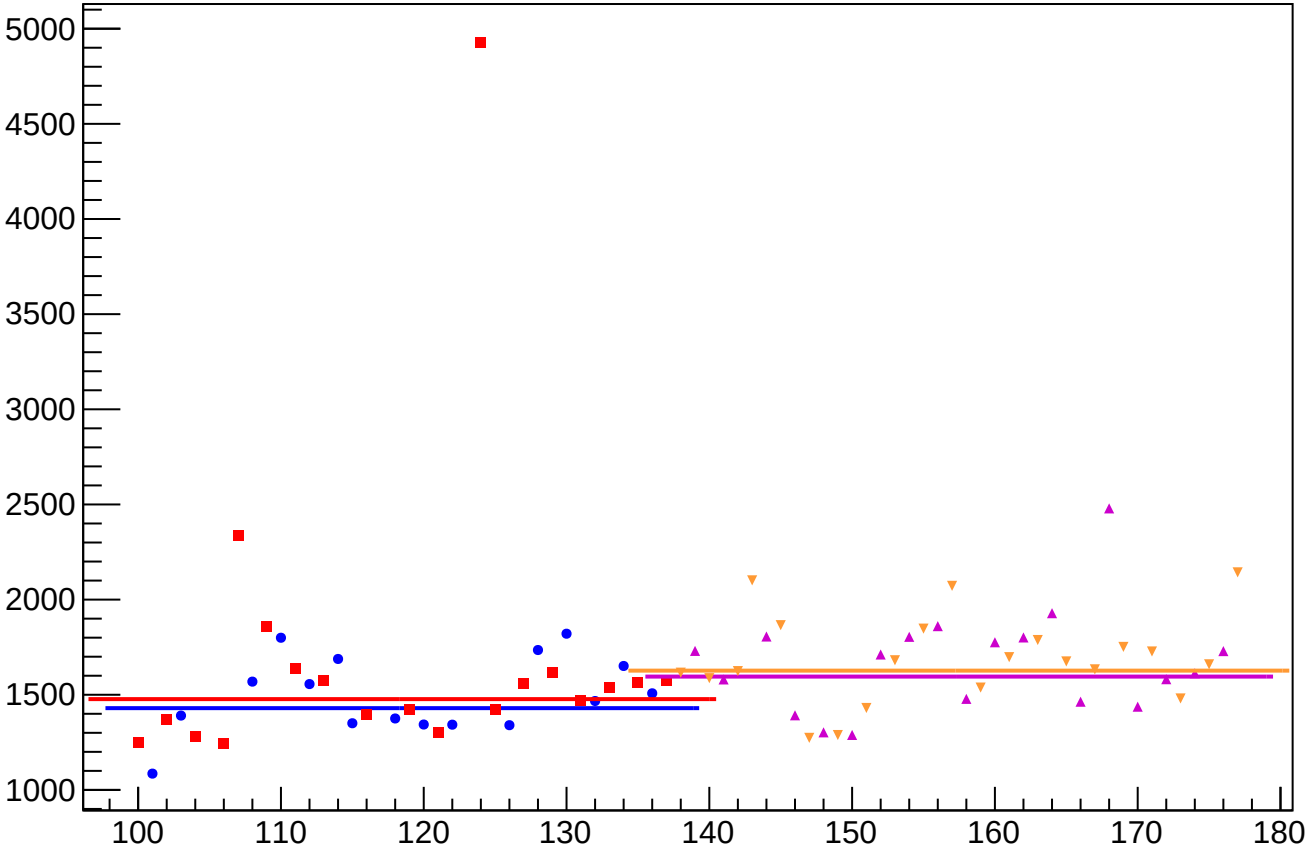
Right: 2394.022+/-383.566 χ^2/NDF: 27.7/34

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

Out: 1849.642+/-324.941 χ^2/NDF:40.5/39

All: 1995.401+/-230.211 χ^2/NDF: 69.7/74

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1626.808+/-0.286 χ^2/NDF:630303.3/20

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

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

Left: 1611.395+/-0.204 χ^2/NDF: 1300921.0/39

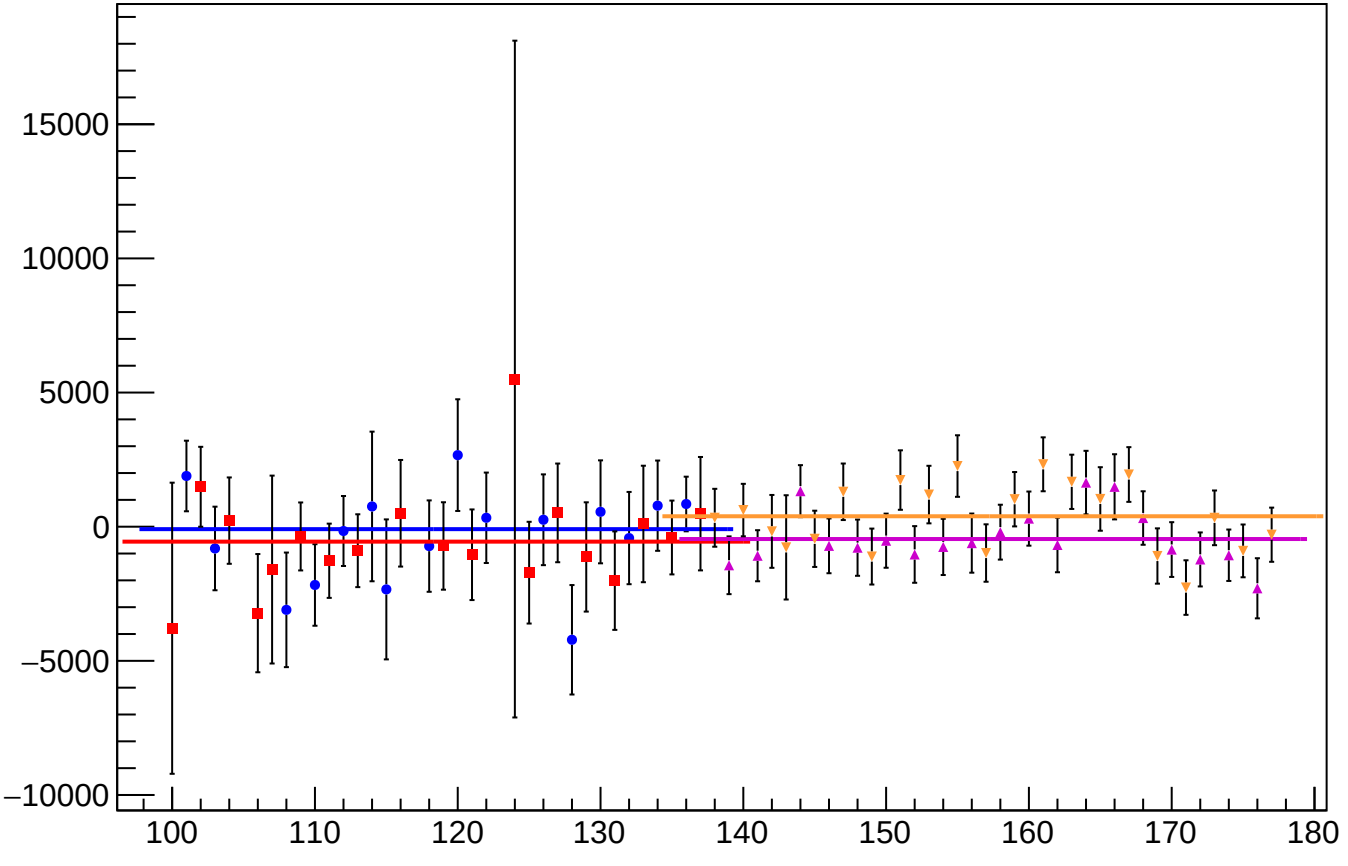
Right: 1452.999+/-0.271 χ^2/NDF: 670475.8/34

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

Out: 1573.981+/-0.230 χ^2/NDF:1096652.2/39

All: 1554.337+/-0.163 χ^2/NDF: 2189602.0/74

asym_us_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: 388.926+/-234.000 χ^2/NDF:29.8/20

Right Out: -556.840+/-411.346 χ^2/NDF: 6.8/18

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

Left: -28.021+/-166.869 χ^2/NDF: 52.3/39

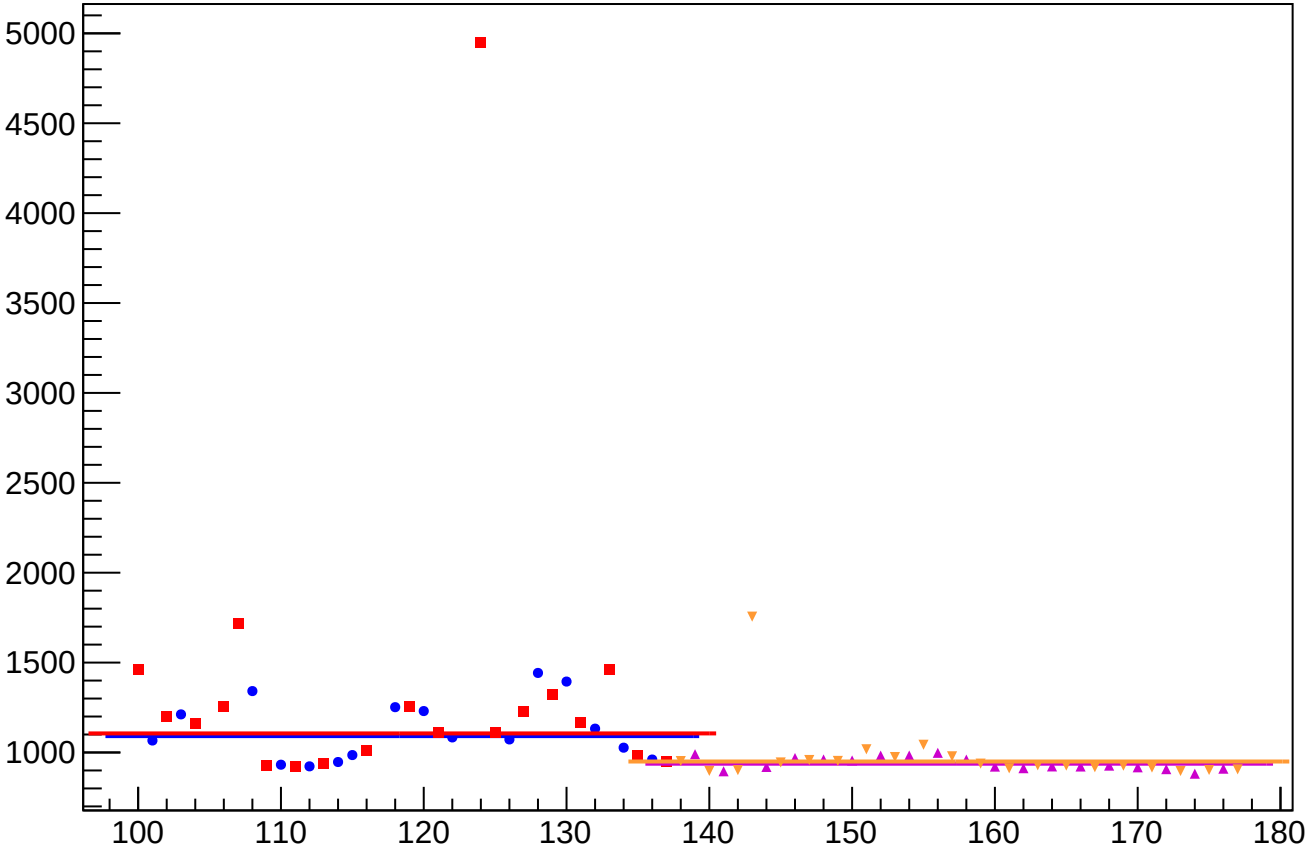
Right: -323.285+/-290.373 χ^2/NDF: 21.9/34

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

Out: 157.698+/-203.393 χ^2/NDF:40.6/39

All: -101.323+/-144.681 χ^2/NDF: 75.0/74

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 949.764+/-0.165 χ^2/NDF:399148.0/20

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

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

Left: 943.786+/-0.118 χ^2/NDF: 442336.6/39

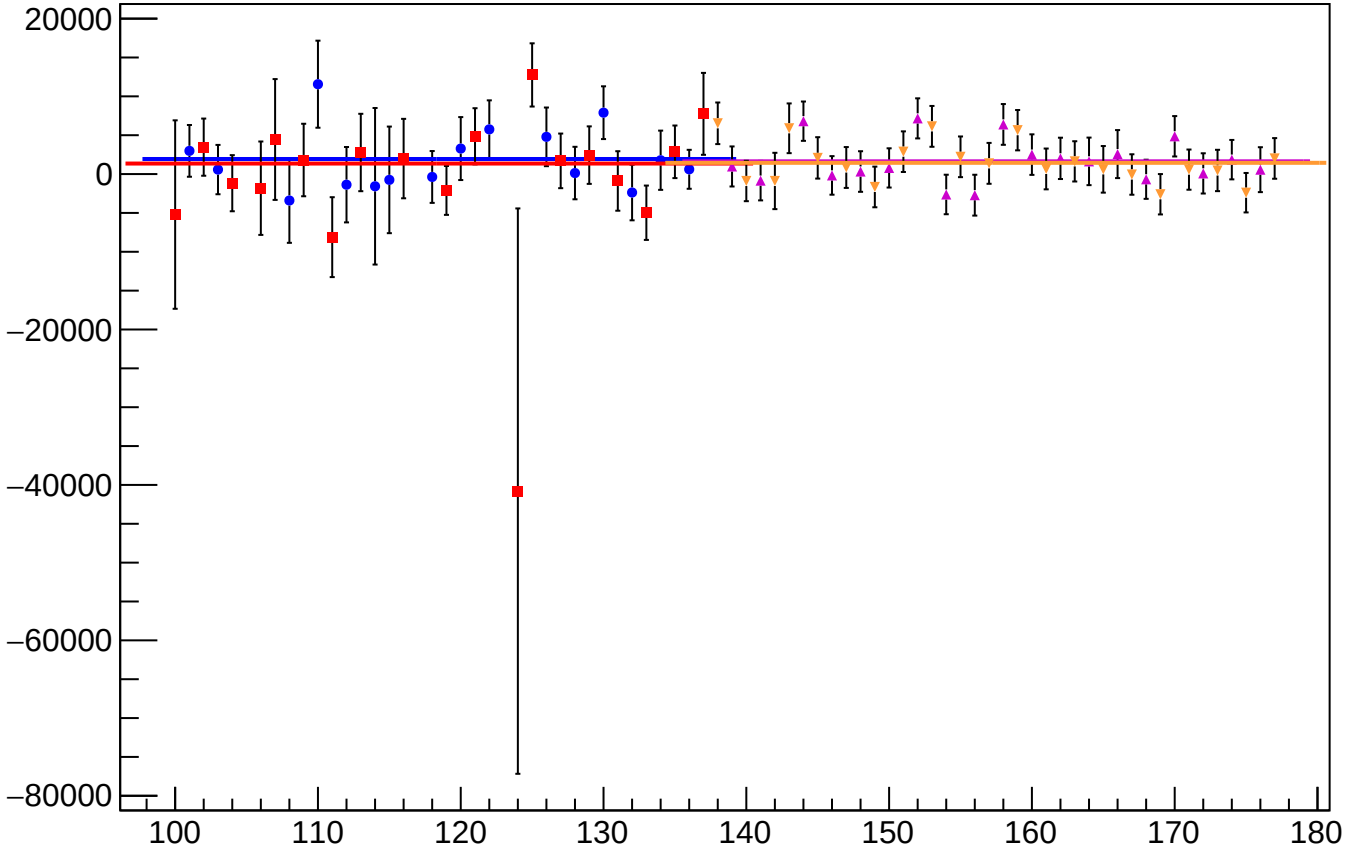
Right: 1098.518+/-0.205 χ^2/NDF: 792737.9/34

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

Out: 987.973+/-0.144 χ^2/NDF:1131355.6/39

All: 982.200+/-0.102 χ^2/NDF: 1661994.0/74

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1447.143+/-585.489 χ^2/NDF:20.0/20

Right Out: 1353.428+/-985.119 χ^2/NDF: 21.8/18

Left In: 1638.462+/-602.671 χ^2/NDF:22.6/18

Left: 1540.036+/-419.946 χ^2/NDF: 42.7/39

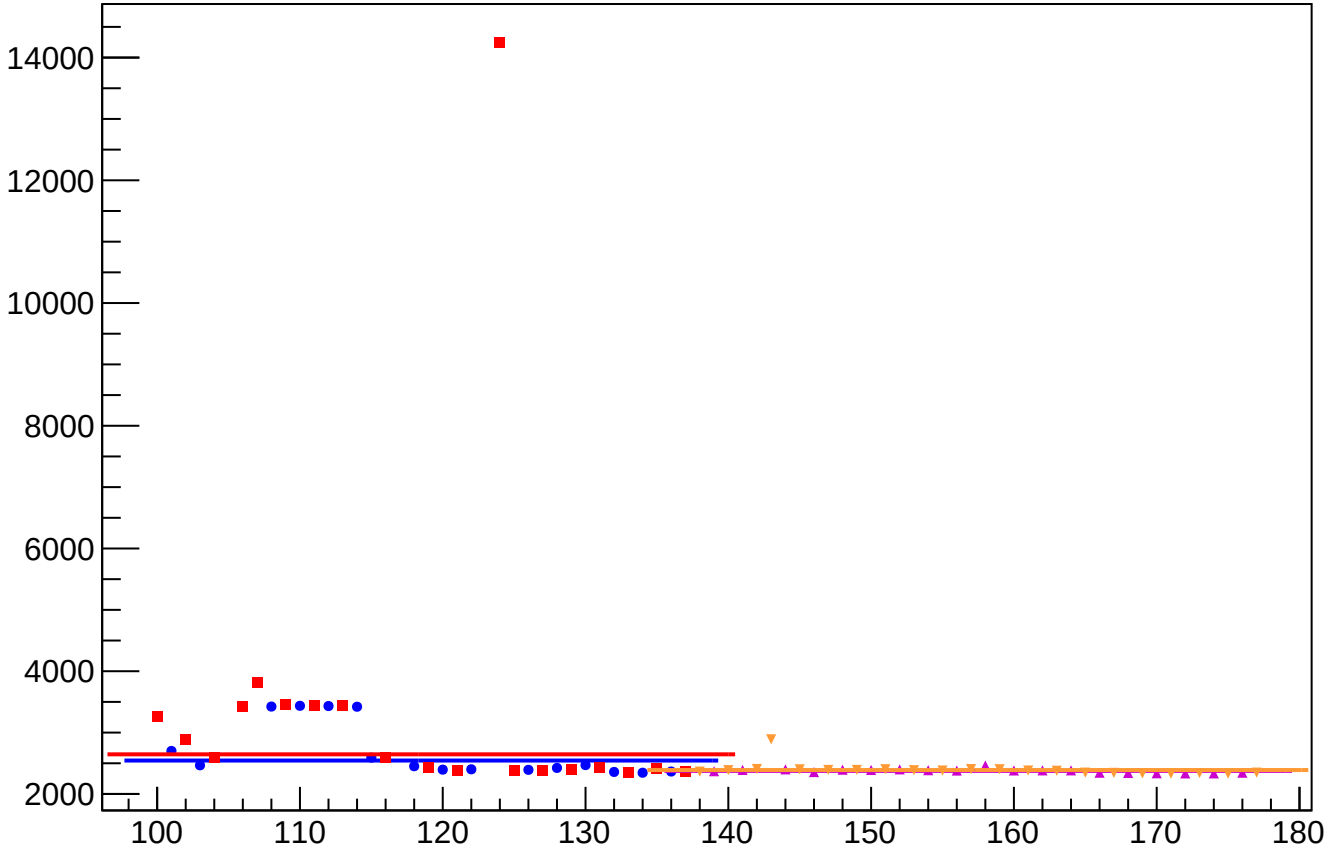
Right: 1656.397+/-684.775 χ^2/NDF: 34.2/34

In: 1724.565+/-509.293 χ^2/NDF:34.9/34

Out: 1422.680+/-503.307 χ^2/NDF:41.8/39

All: 1571.838+/-357.989 χ^2/NDF: 76.9/74

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2389.446+/-0.414 χ^2/NDF:54761.5/20

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

Left In: 2375.743+/-0.426 χ^2/NDF:5368.2/18

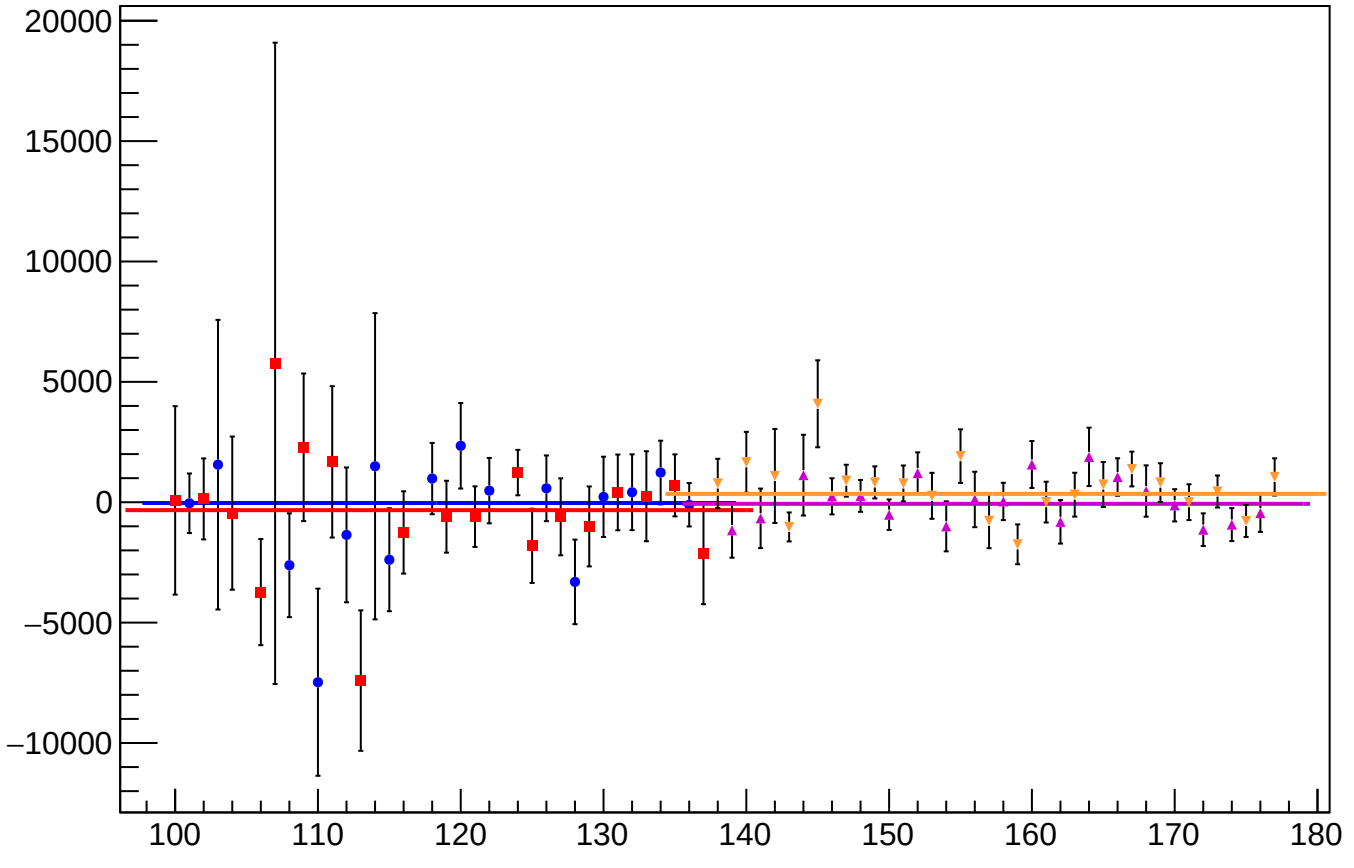
Left: 2382.792+/-0.297 χ^2/NDF: 60661.6/39

Right: 2593.330+/-0.484 χ^2/NDF: 773493.8/34

In: 2423.962+/-0.360 χ^2/NDF:275767.1/34

Out: 2456.322+/-0.356 χ^2/NDF:691690.3/39

All: 2440.333+/-0.253 χ^2/NDF: 971542.3/74



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 347.111+/-180.756 χ^2/NDF:28.5/20

Right Out: -328.475+/-398.568 χ^2/NDF: 15.6/18

Left In: -65.674+/-193.608 χ^2/NDF:18.3/18

Left: 154.873+/-132.124 χ^2/NDF: 49.2/39

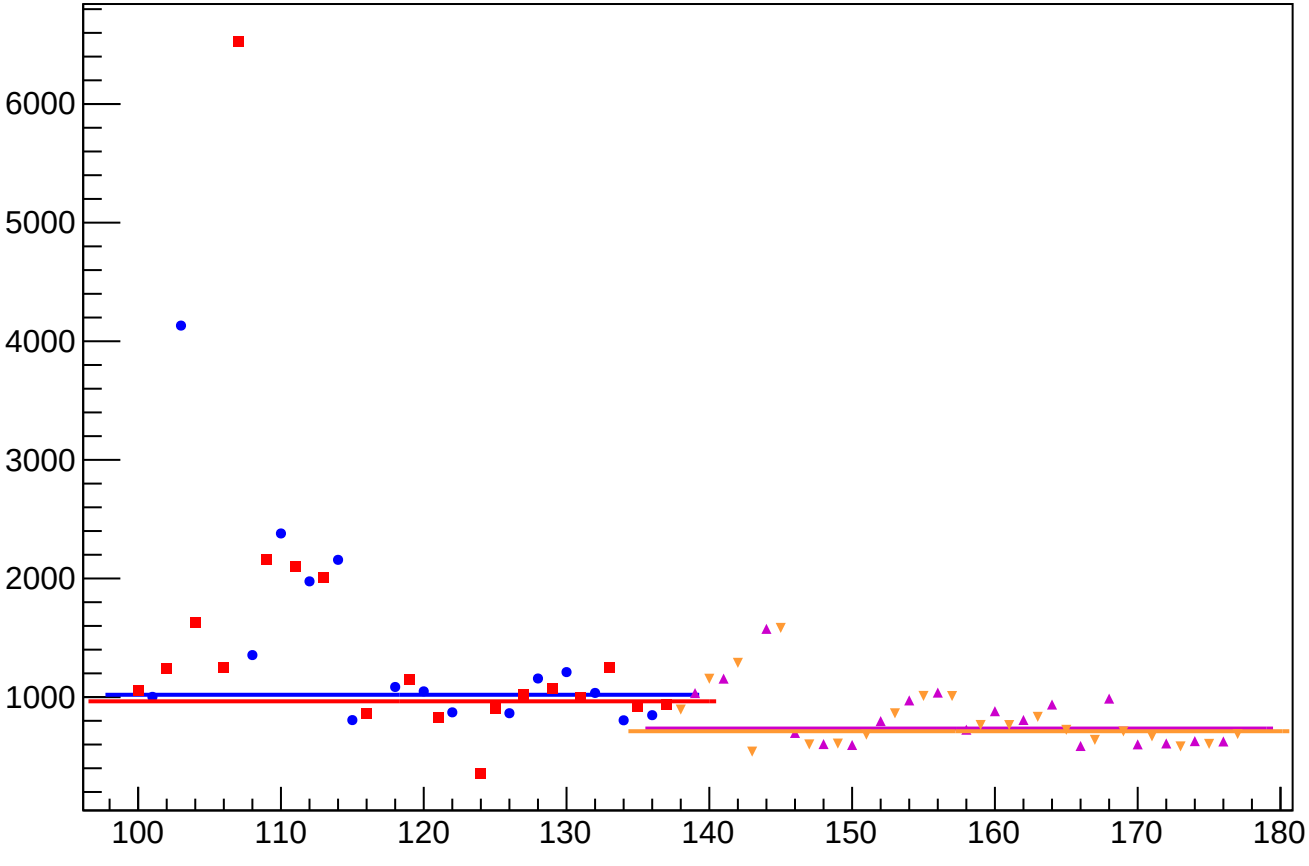
Right: -182.479+/-284.327 χ^2/NDF: 29.7/34

In: -59.278+/-174.733 χ^2/NDF:32.1/34

Out: 231.864+/-164.618 χ^2/NDF:46.5/39

All: 94.963+/-119.819 χ^2/NDF: 80.1/74

asym_atl1_reg_correction_rms vs Slug, Sign Corrected



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 712.223+/-0.128 χ^2/NDF:1754707.5/20

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

Left In: 734.700+/-0.137 χ^2/NDF:1834627.7/18

Left: 722.691+/-0.093 χ^2/NDF: 3603737.3/39

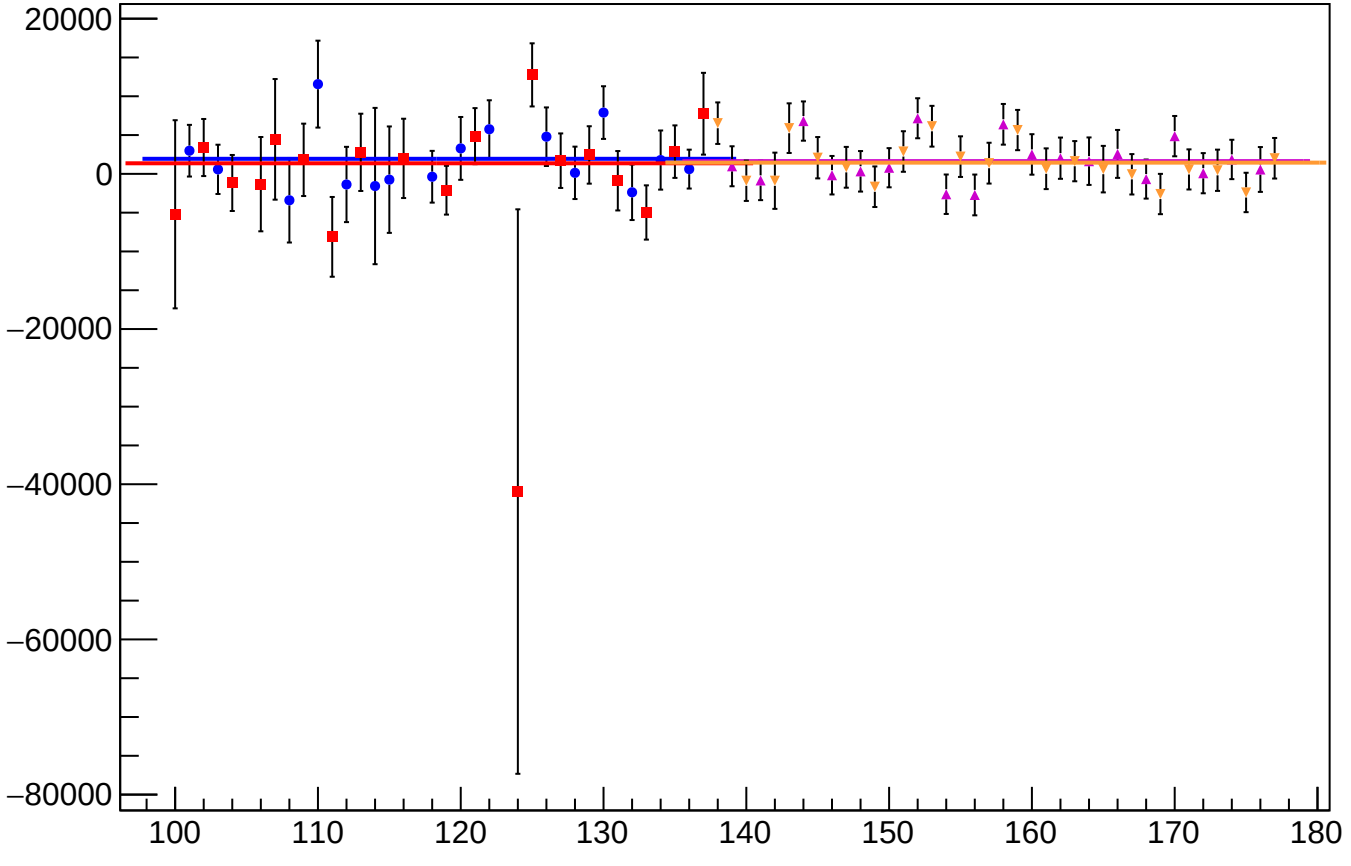
Right: 991.460+/-0.201 χ^2/NDF: 3692906.6/34

In: 787.527+/-0.124 χ^2/NDF:4002195.0/34

Out: 755.238+/-0.116 χ^2/NDF:4728014.5/39

All: 770.421+/-0.085 χ^2/NDF: 8766391.3/74

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1447.076+/-585.489 χ^2/NDF:20.0/20

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 1638.538+/-602.671 χ^2/NDF:22.6/18

Left: 1540.039+/-419.946 χ^2/NDF: 42.7/39

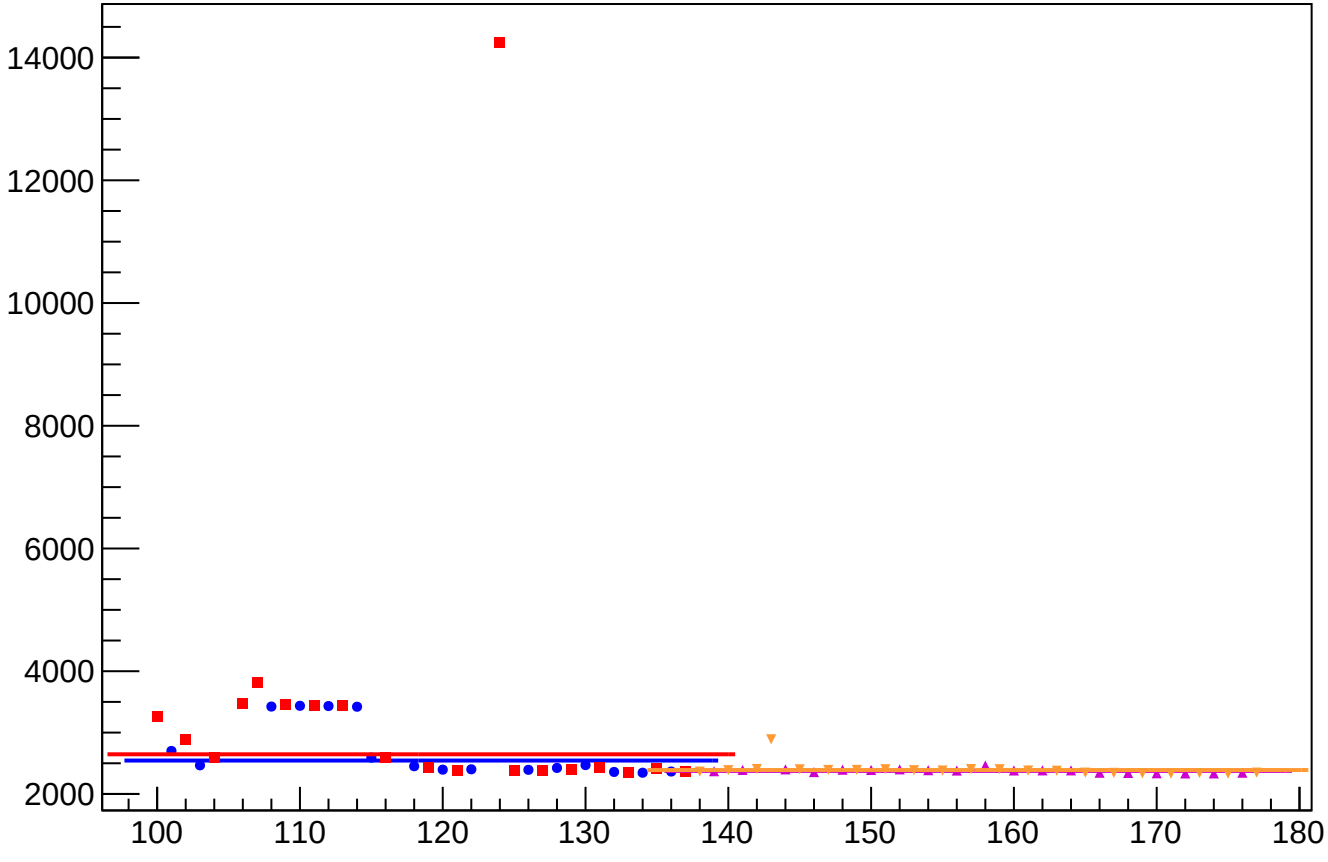
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1724.719+/-509.293 χ^2/NDF:34.9/34

Out: 1425.163+/-503.347 χ^2/NDF:41.7/39

All: 1573.182+/-358.004 χ^2/NDF: 76.8/74

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2389.446+/-0.414 χ^2/NDF:54761.5/20

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2375.743+/-0.426 χ^2/NDF:5368.2/18

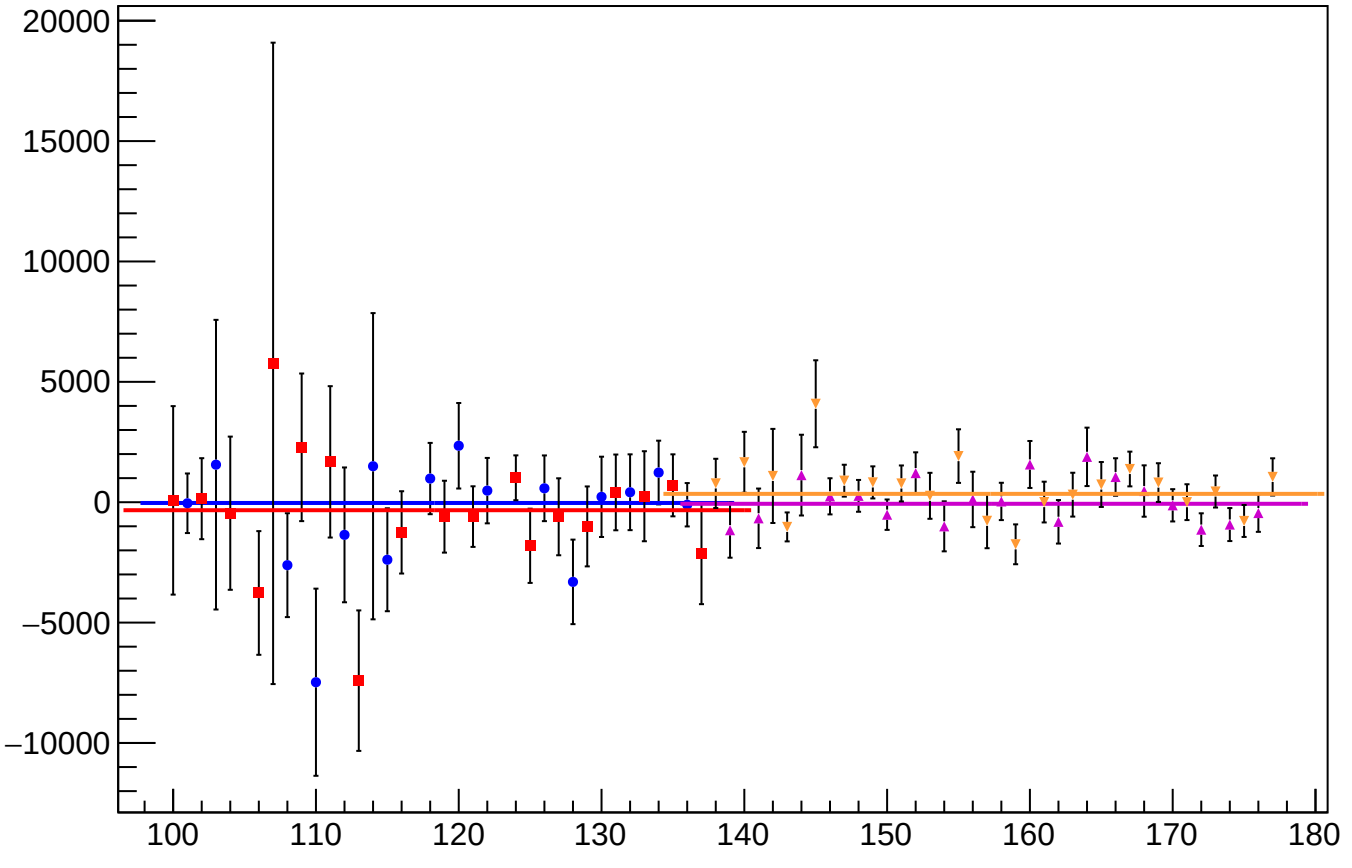
Left: 2382.793+/-0.297 χ^2/NDF: 60661.6/39

Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2423.962+/-0.360 χ^2/NDF:275767.2/34

Out: 2456.437+/-0.356 χ^2/NDF:694661.1/39

All: 2440.390+/-0.253 χ^2/NDF: 974541.9/74



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 347.067+/-180.757 χ^2/NDF:28.5/20

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: -65.559+/-193.608 χ^2/NDF:18.3/18

Left: 154.902+/-132.124 χ^2/NDF: 49.2/39

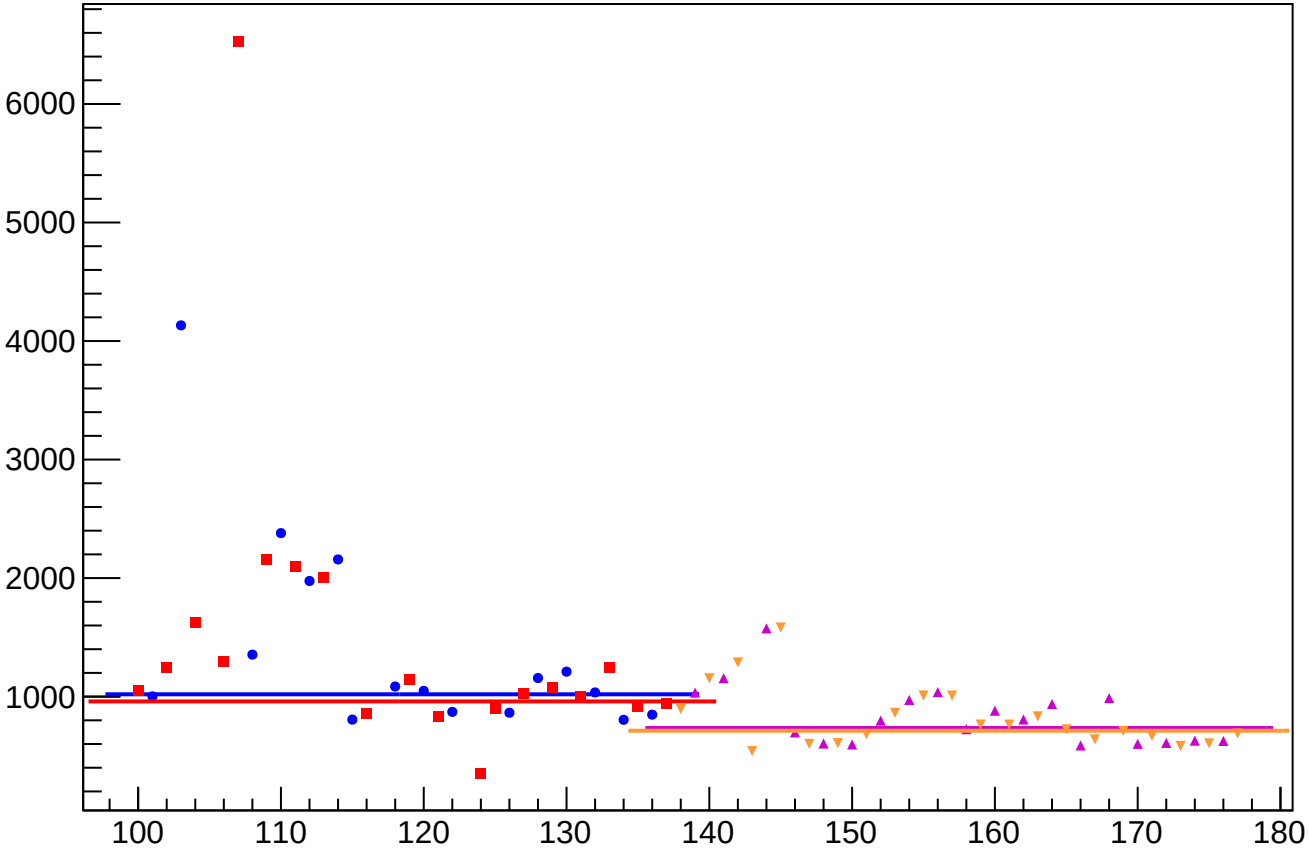
Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: -59.196+/-174.733 χ^2/NDF:32.1/34

Out: 231.600+/-164.672 χ^2/NDF:45.3/39

All: 94.814+/-119.840 χ^2/NDF: 78.8/74

asym_atl1_cor_correction_rms vs Slug, Sign Corrected



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 712.226+/-0.128 χ^2/NDF:1754792.0/20

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 734.701+/-0.137 χ^2/NDF:1834763.1/18

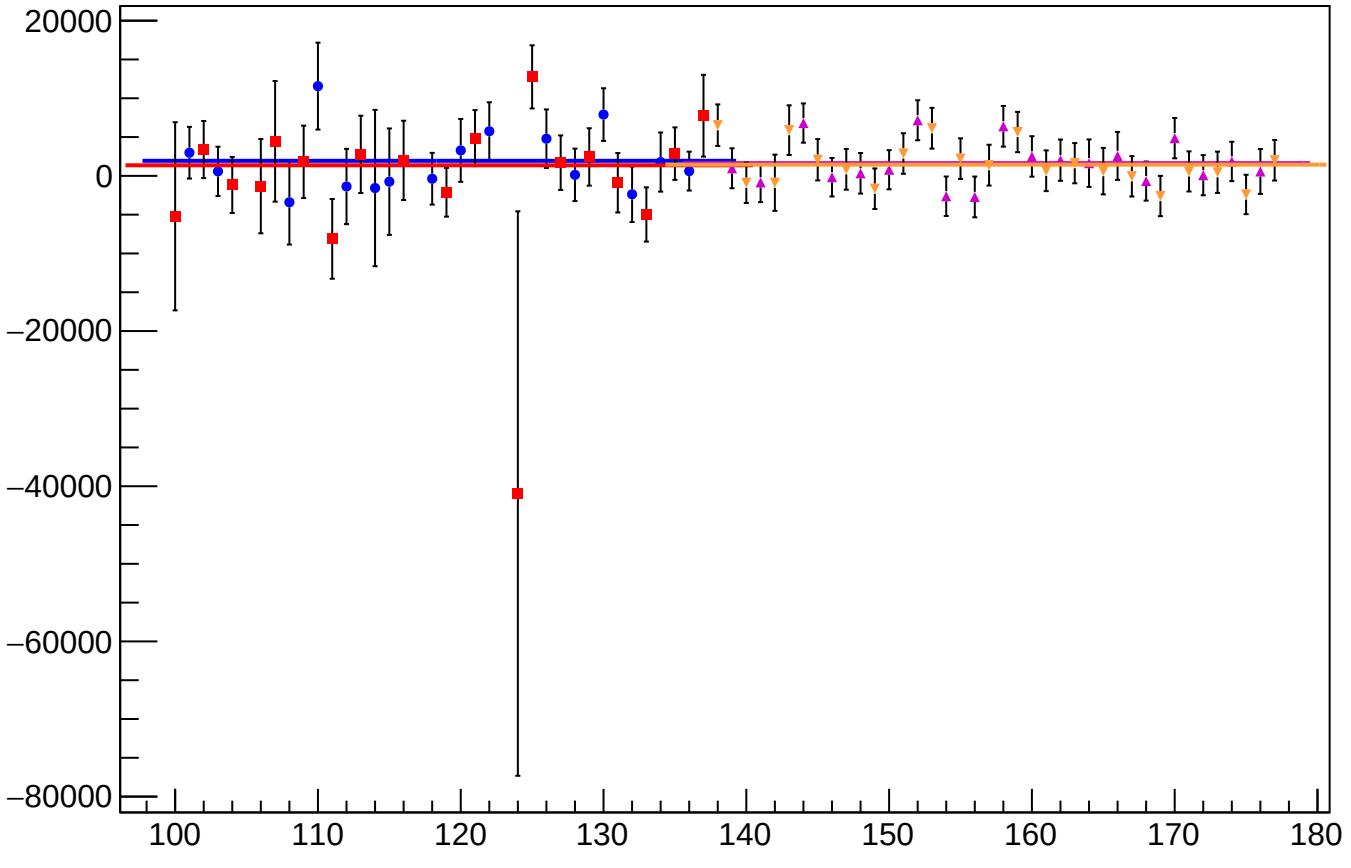
Left: 722.693+/-0.093 χ^2/NDF: 3603955.1/39

Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 787.527+/-0.124 χ^2/NDF:4002278.3/34

Out: 754.248+/-0.116 χ^2/NDF:4734880.0/39

All: 769.902+/-0.085 χ^2/NDF: 8775582.5/74



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1447.076+/-585.489 χ^2/NDF:20.0/20

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 1638.538+/-602.671 χ^2/NDF:22.6/18

Left: 1540.039+/-419.946 χ^2/NDF: 42.7/39

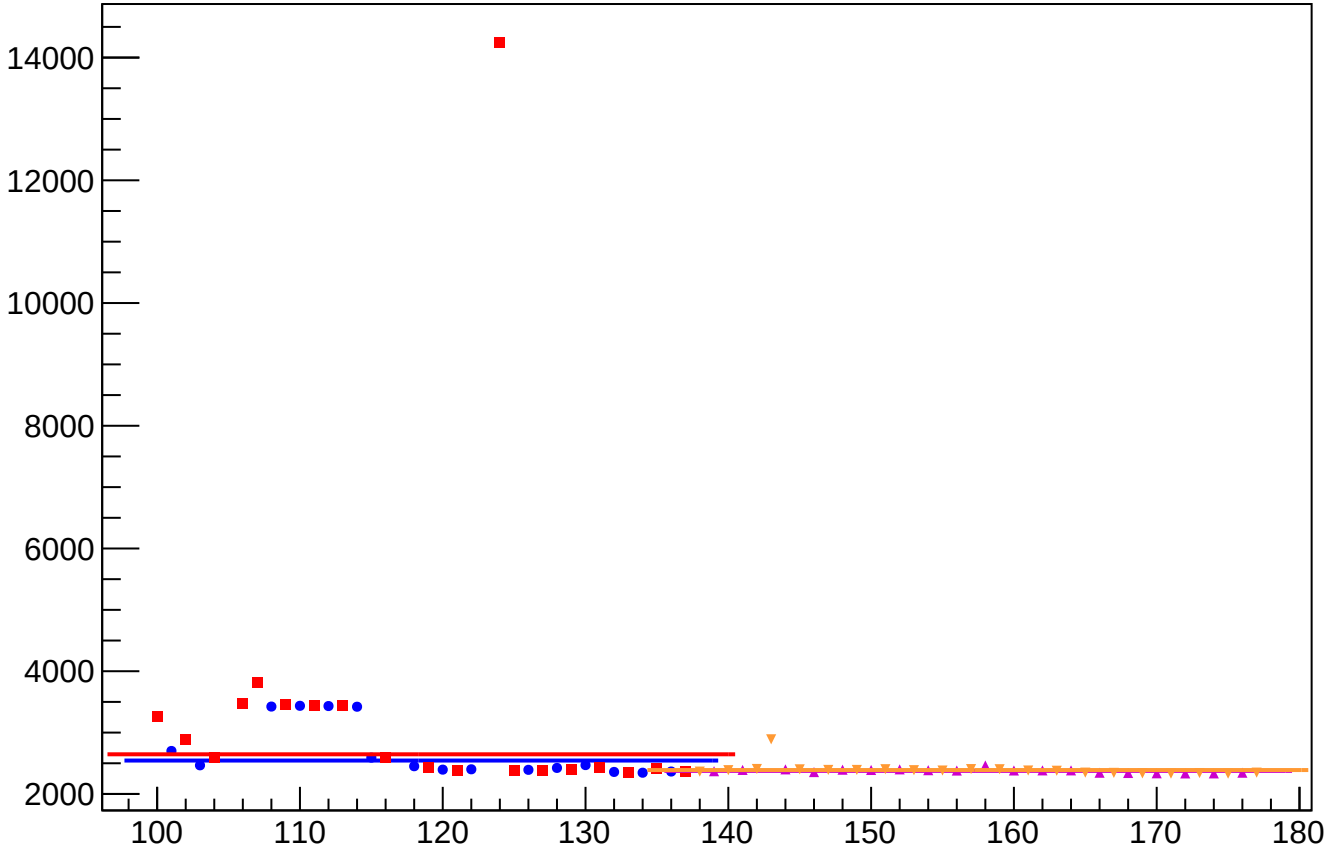
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1724.719+/-509.293 χ^2/NDF:34.9/34

Out: 1425.163+/-503.347 χ^2/NDF:41.7/39

All: 1573.182+/-358.004 χ^2/NDF: 76.8/74

eigen_cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2389.446+/-0.414 χ^2/NDF:54761.5/20

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2375.743+/-0.426 χ^2/NDF:5368.2/18

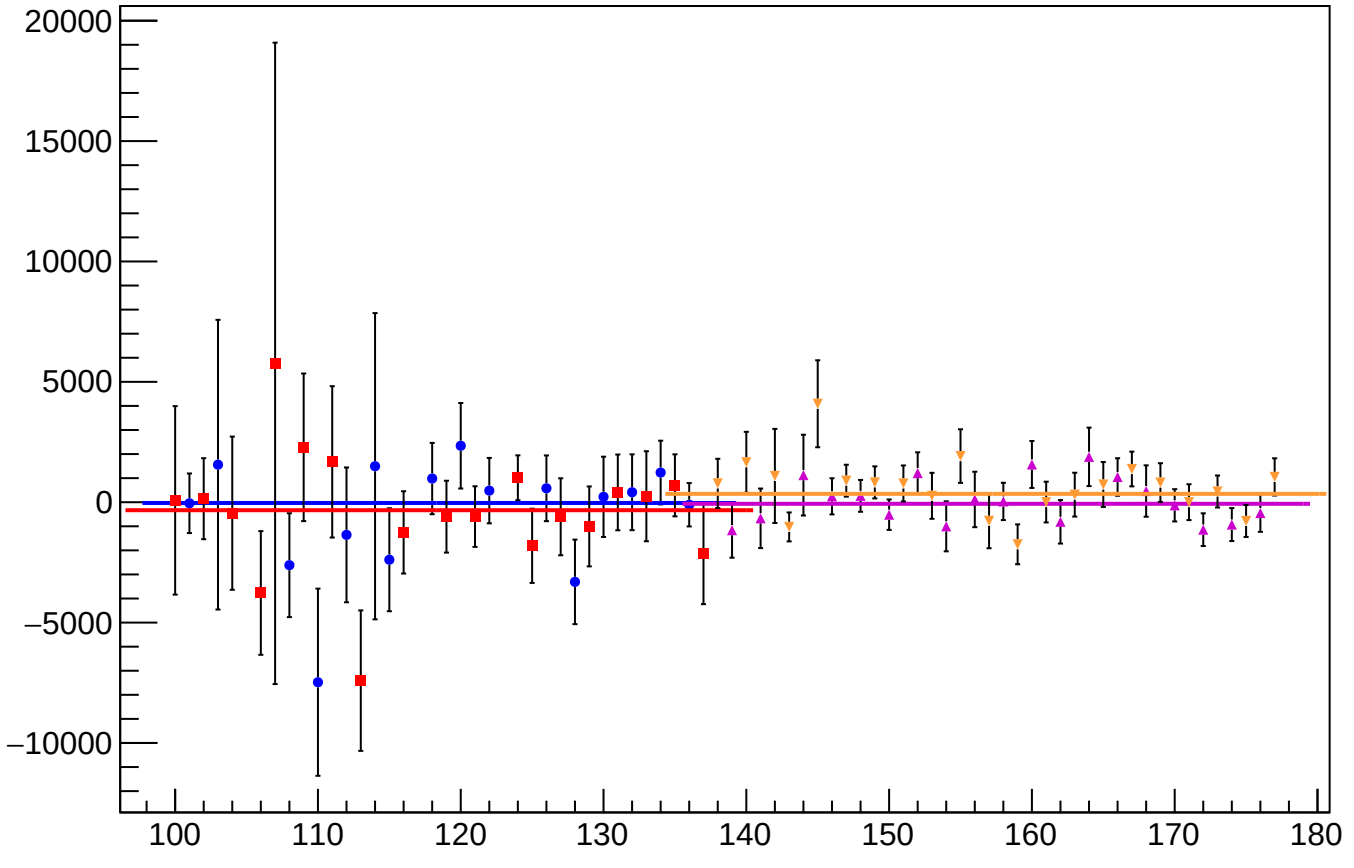
Left: 2382.793+/-0.297 χ^2/NDF: 60661.6/39

Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2423.962+/-0.360 χ^2/NDF:275767.2/34

Out: 2456.437+/-0.356 χ^2/NDF:694661.1/39

All: 2440.390+/-0.253 χ^2/NDF: 974541.9/74



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 347.067+/-180.757 χ^2/NDF:28.5/20

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: -65.559+/-193.608 χ^2/NDF:18.3/18

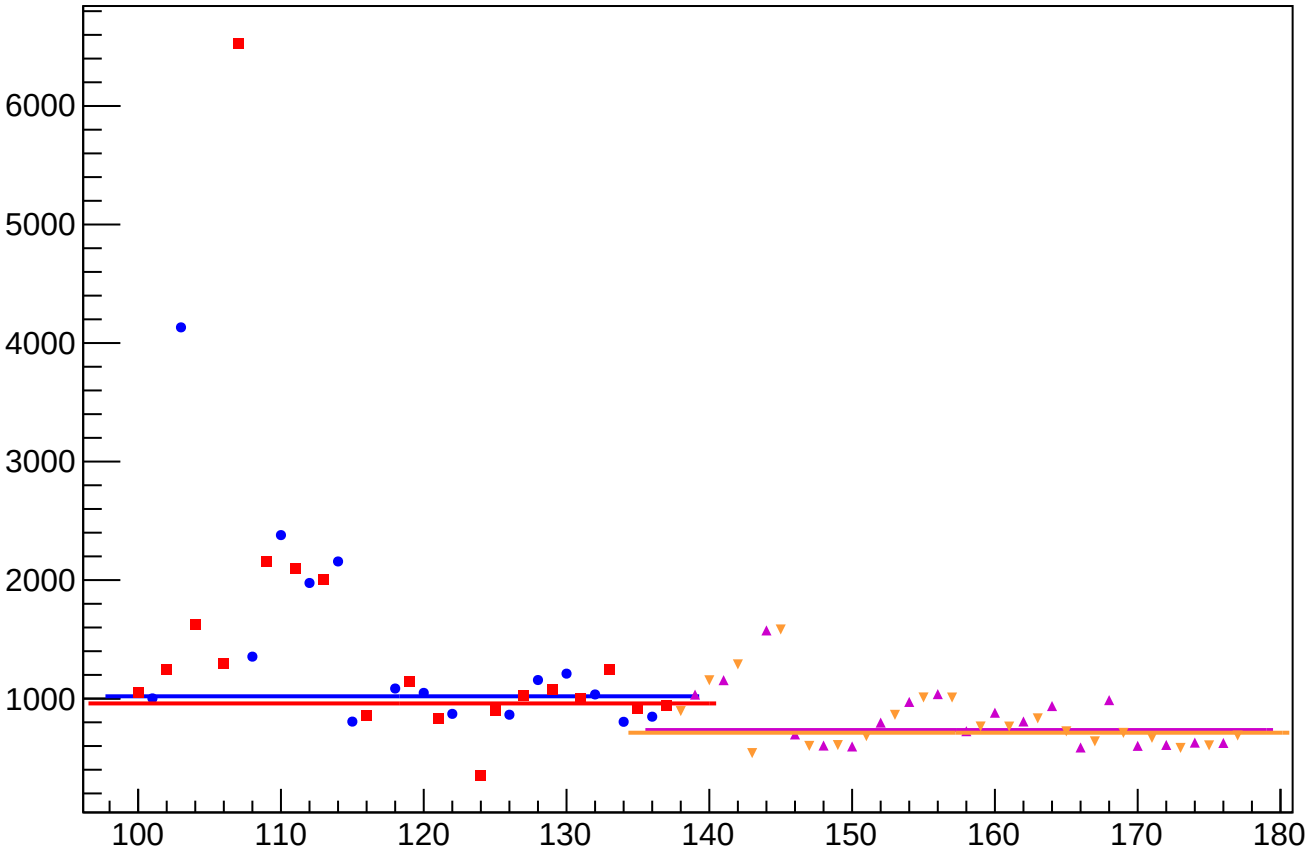
Left: 154.902+/-132.124 χ^2/NDF: 49.2/39

Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: -59.196+/-174.733 χ^2/NDF:32.1/34

Out: 231.600+/-164.672 χ^2/NDF:45.3/39

All: 94.814+/-119.840 χ^2/NDF: 78.8/74



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 712.226+/-0.128 χ^2/NDF:1754792.0/20

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 734.701+/-0.137 χ^2/NDF:1834763.1/18

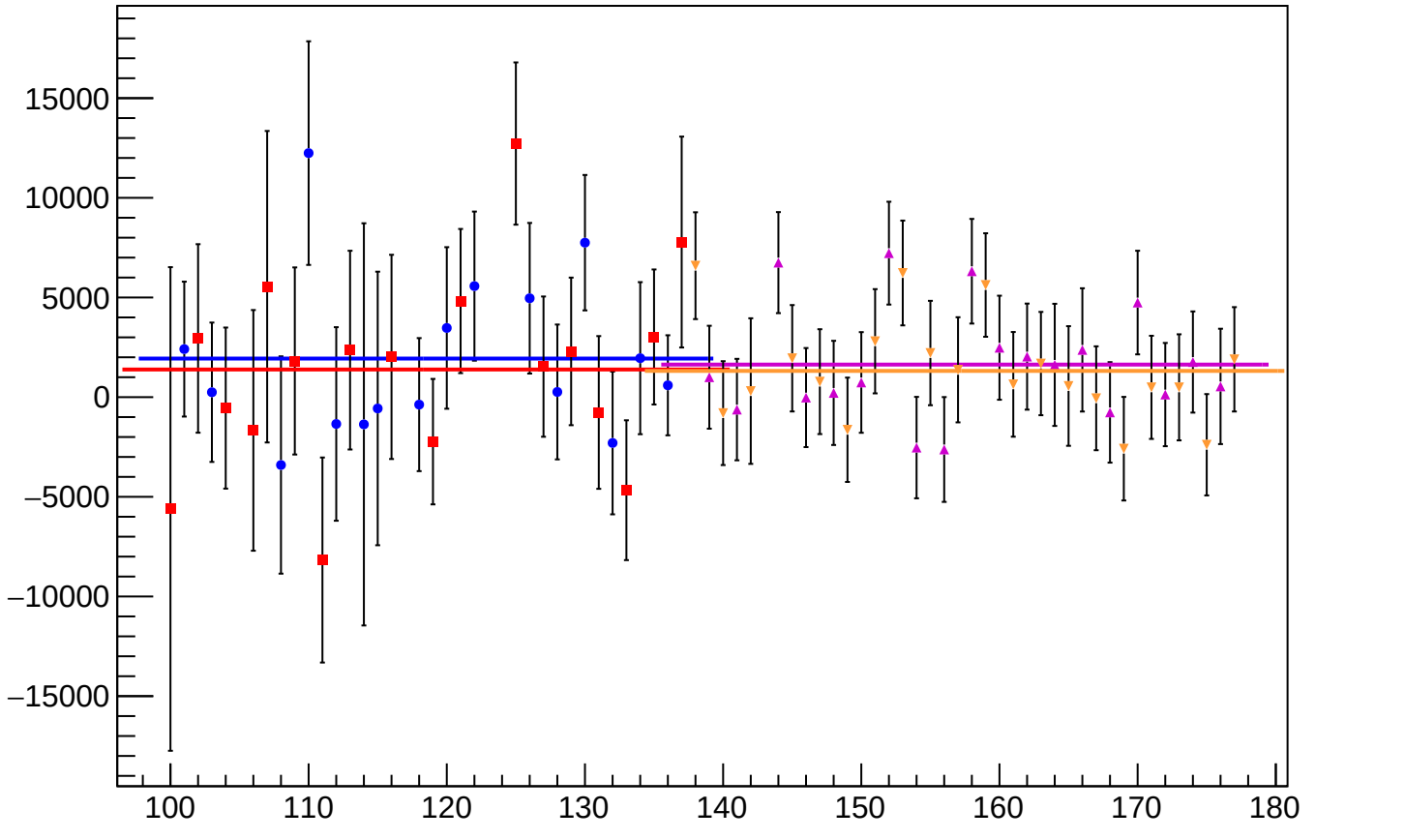
Left: 722.693+/-0.093 χ^2/NDF: 3603955.1/39

Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 787.527+/-0.124 χ^2/NDF:4002278.3/34

Out: 754.248+/-0.116 χ^2/NDF:4734880.0/39

All: 769.902+/-0.085 χ^2/NDF: 8775582.5/74



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1316.204+/-596.213 χ^2/NDF:17.7/19

Right Out: 1387.548+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1633.979+/-603.205 χ^2/NDF:22.0/18

Left: 1473.239+/-424.037 χ^2/NDF: 39.8/38

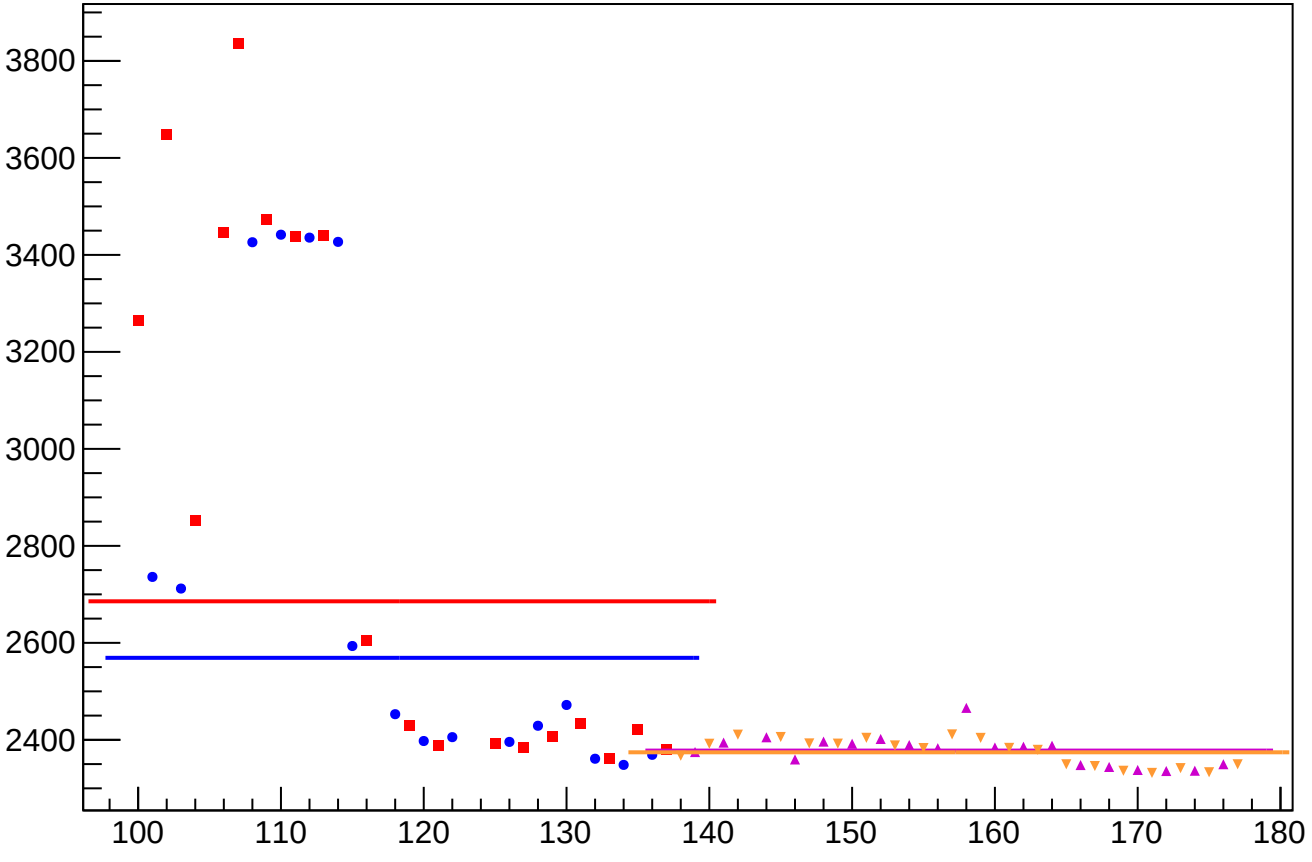
Right: 1674.777+/-696.416 χ^2/NDF: 32.3/33

In: 1719.170+/-511.098 χ^2/NDF:34.4/34

Out: 1334.665+/-513.313 χ^2/NDF:37.5/37

All: 1527.748+/-362.181 χ^2/NDF: 72.2/72

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2374.315+/-0.422 χ^2/NDF:4146.1/19

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

Left In: 2377.837+/-0.427 χ^2/NDF:5385.2/18

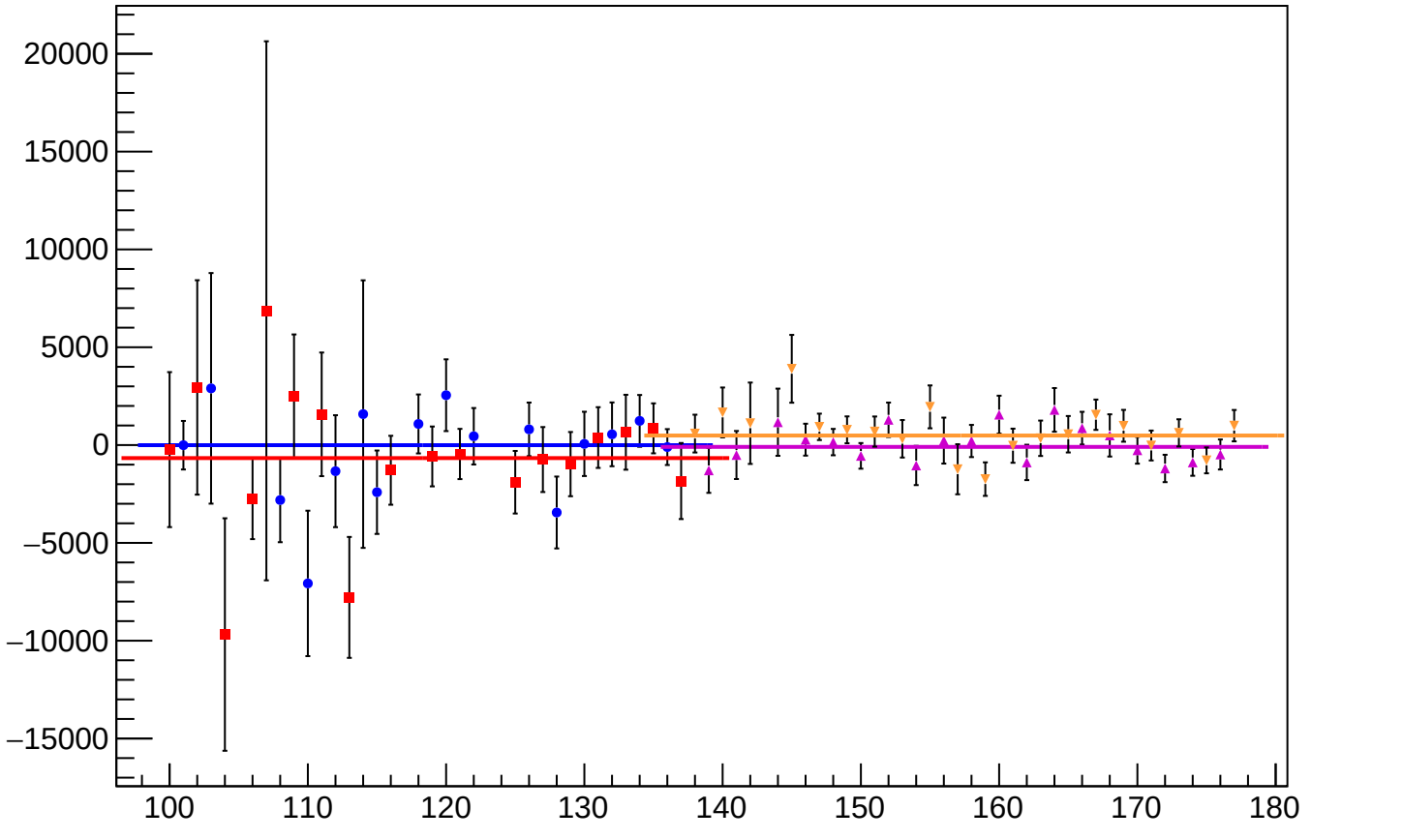
Left: 2376.055+/-0.300 χ^2/NDF: 9565.8/38

Right: 2624.638+/-0.492 χ^2/NDF: 662723.7/33

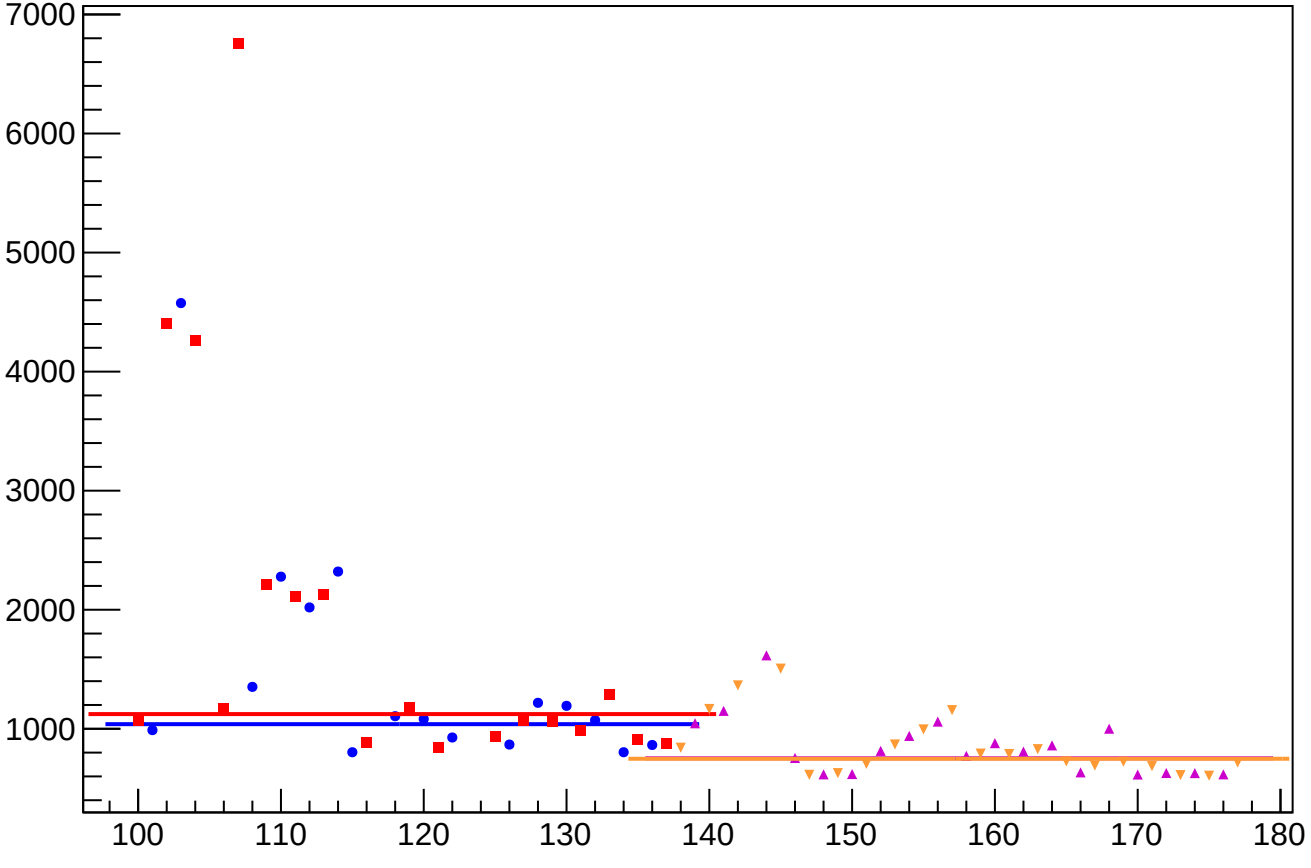
In: 2431.797+/-0.361 χ^2/NDF:291609.3/34

Out: 2454.881+/-0.363 χ^2/NDF:564548.9/37

All: 2443.289+/-0.256 χ^2/NDF: 858189.4/72


asym_atl1_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: -5.169+/-412.248 χ²/NDF: 14.5/15
Left Out: 487.842+/-193.790 χ²/NDF:23.1/19
Right Out: -665.952+/-460.513 χ²/NDF: 14.4/17
Left In: -93.525+/-197.359 χ²/NDF:18.5/18
Left: 202.462+/-138.275 χ²/NDF: 46.0/38
Right: -299.130+/-307.154 χ²/NDF: 30.0/33
In: -77.050+/-178.011 χ²/NDF:33.0/34
Out: 314.261+/-178.619 χ²/NDF:42.8/37
All: 117.938+/-126.087 χ²/NDF: 78.2/72

asym_atl1_dit_correction_rms vs Slug, Sign Corrected



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 748.254+/-0.137 χ^2/NDF:1500713.6/19

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 752.253+/-0.140 χ^2/NDF:1705168.4/18

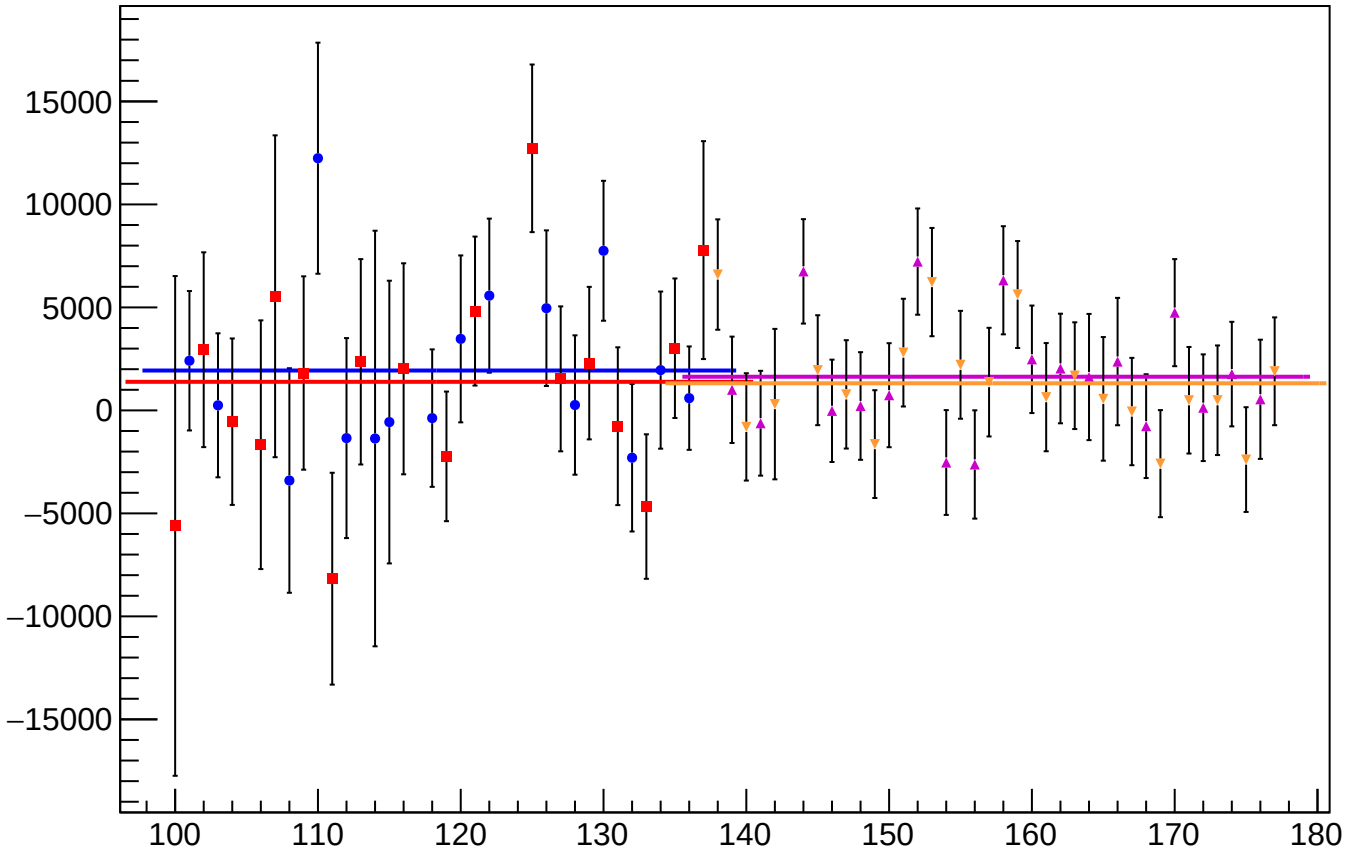
Left: 750.217+/-0.098 χ^2/NDF: 3206300.0/38

Right: 1076.470+/-0.217 χ^2/NDF: 4112776.2/33

In: 805.682+/-0.126 χ^2/NDF:4031027.8/34

Out: 804.704+/-0.126 χ^2/NDF:5164229.2/37

All: 805.195+/-0.089 χ^2/NDF: 9195287.1/72



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1316.204+/-596.213 χ^2/NDF:17.7/19

Right Out: 1387.545+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1633.979+/-603.205 χ^2/NDF:22.0/18

Left: 1473.240+/-424.037 χ^2/NDF: 39.8/38

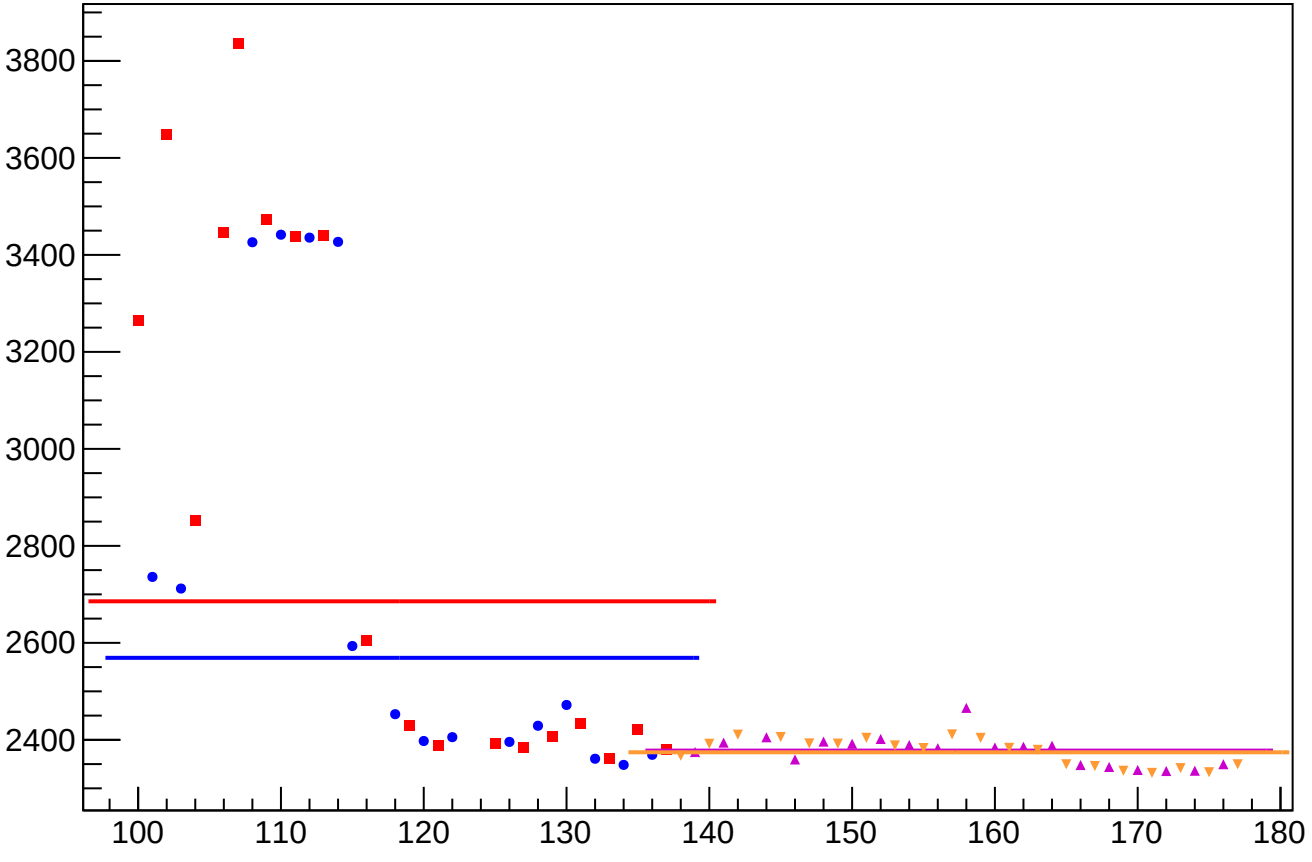
Right: 1674.774+/-696.416 χ^2/NDF: 32.3/33

In: 1719.169+/-511.098 χ^2/NDF:34.4/34

Out: 1334.664+/-513.313 χ^2/NDF:37.5/37

All: 1527.748+/-362.181 χ^2/NDF: 72.2/72

eigen_dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2374.315+/-0.422 χ^2/NDF:4146.1/19

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

Left In: 2377.837+/-0.427 χ^2/NDF:5385.2/18

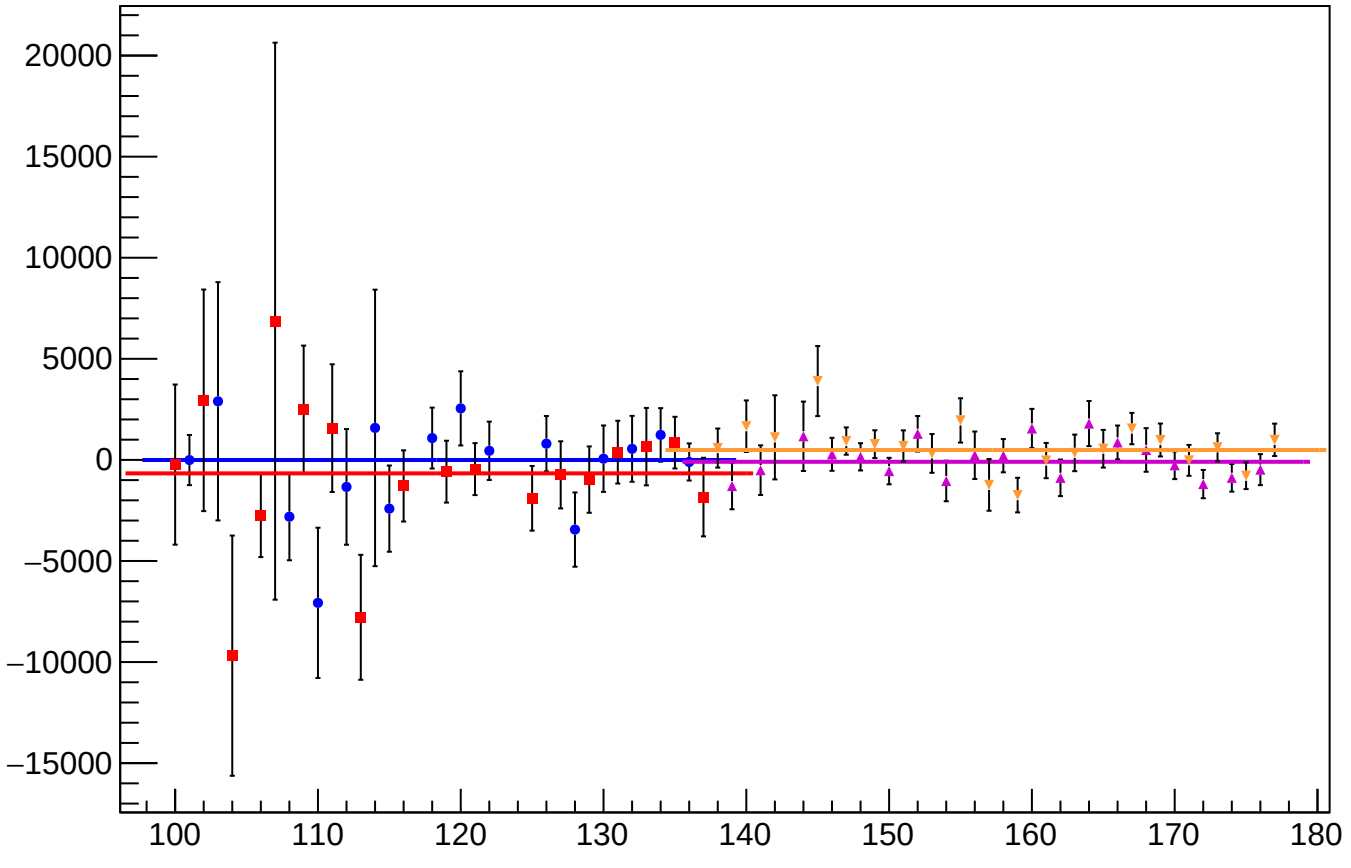
Left: 2376.055+/-0.300 χ^2/NDF: 9565.8/38

Right: 2624.638+/-0.492 χ^2/NDF: 662722.8/33

In: 2431.796+/-0.361 χ^2/NDF:291608.9/34

Out: 2454.881+/-0.363 χ^2/NDF:564548.0/37

All: 2443.289+/-0.256 χ^2/NDF: 858188.0/72



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 487.842+/-193.791 χ^2/NDF:23.1/19

Right Out: -665.953+/-460.513 χ^2/NDF: 14.4/17

Left In: -93.524+/-197.359 χ^2/NDF:18.5/18

Left: 202.463+/-138.275 χ^2/NDF: 46.0/38

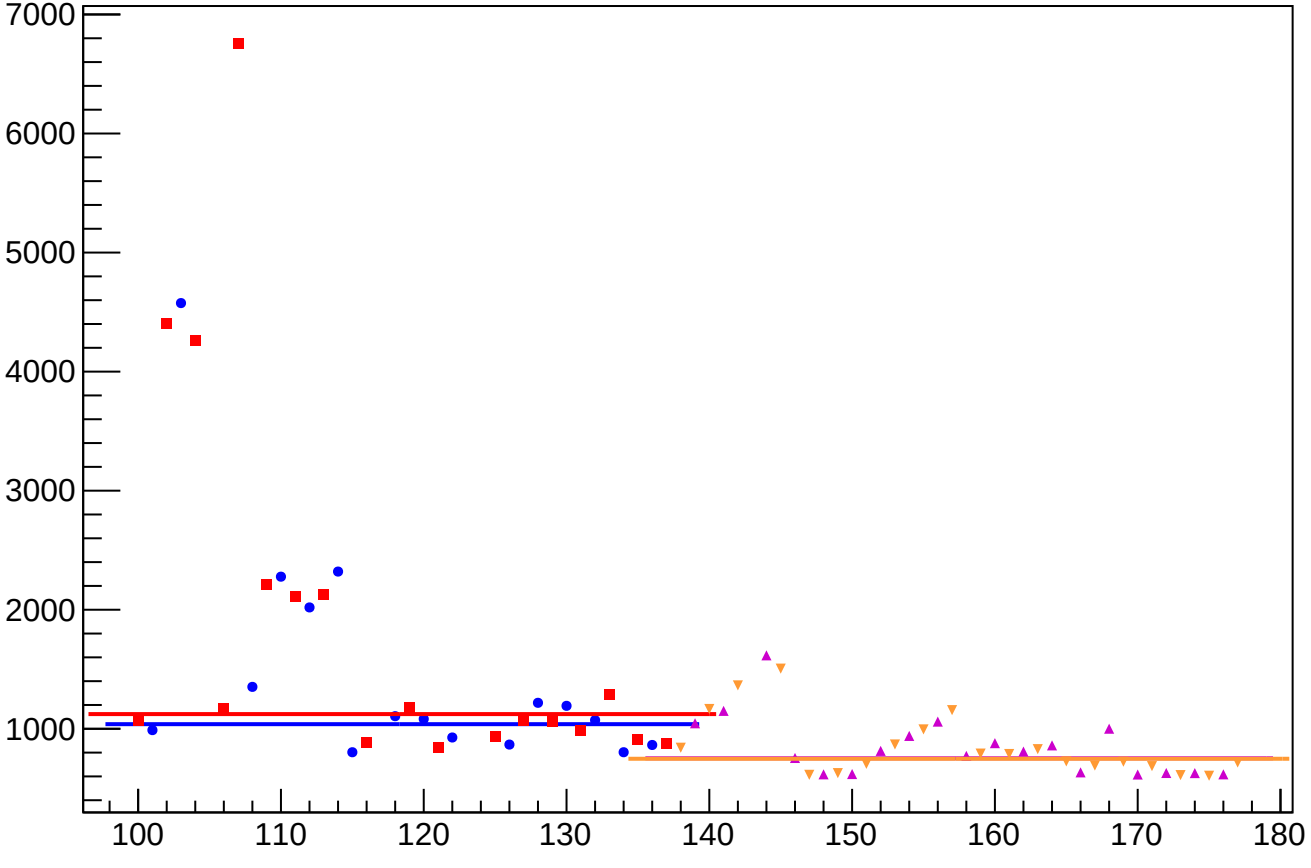
Right: -299.132+/-307.154 χ^2/NDF: 30.0/33

In: -77.050+/-178.011 χ^2/NDF:33.0/34

Out: 314.261+/-178.619 χ^2/NDF:42.8/37

All: 117.938+/-126.087 χ^2/NDF: 78.2/72

asym_atl1_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 748.256+/-0.137 χ^2/NDF:1500711.4/19

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

Left In: 752.255+/-0.140 χ^2/NDF:1705164.8/18

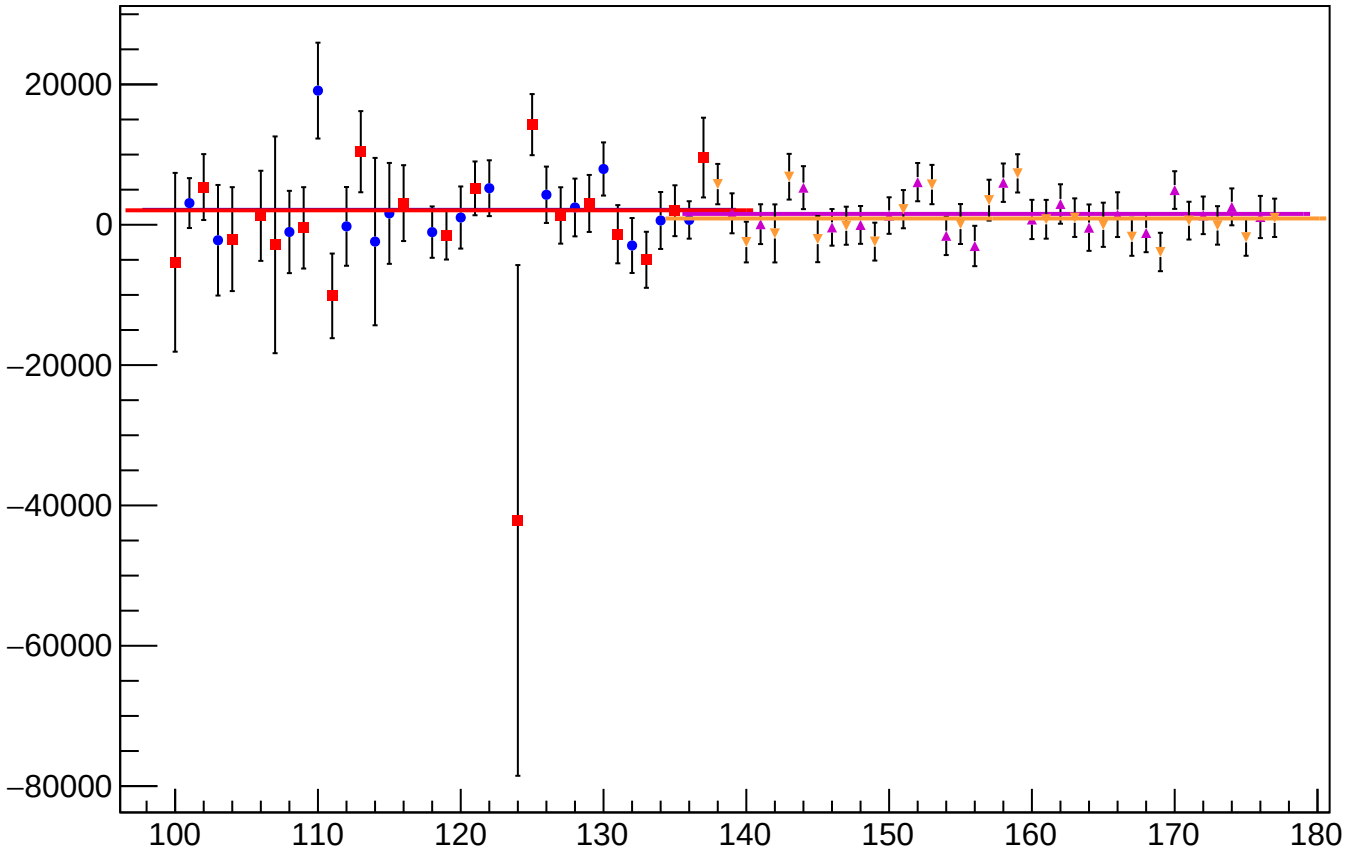
Left: 750.219+/-0.098 χ^2/NDF: 3206294.2/38

Right: 1076.471+/-0.217 χ^2/NDF: 4112767.4/33

In: 805.684+/-0.126 χ^2/NDF:4031012.2/34

Out: 804.705+/-0.126 χ^2/NDF:5164215.8/37

All: 805.196+/-0.089 χ^2/NDF: 9195258.1/72



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 897.287+/-622.796 χ^2/NDF:25.2/20

Right Out: 2059.741+/-1136.807 χ^2/NDF: 24.3/18

Left In: 1547.128+/-643.220 χ^2/NDF:15.3/18

Left: 1211.726+/-447.430 χ^2/NDF: 41.0/39

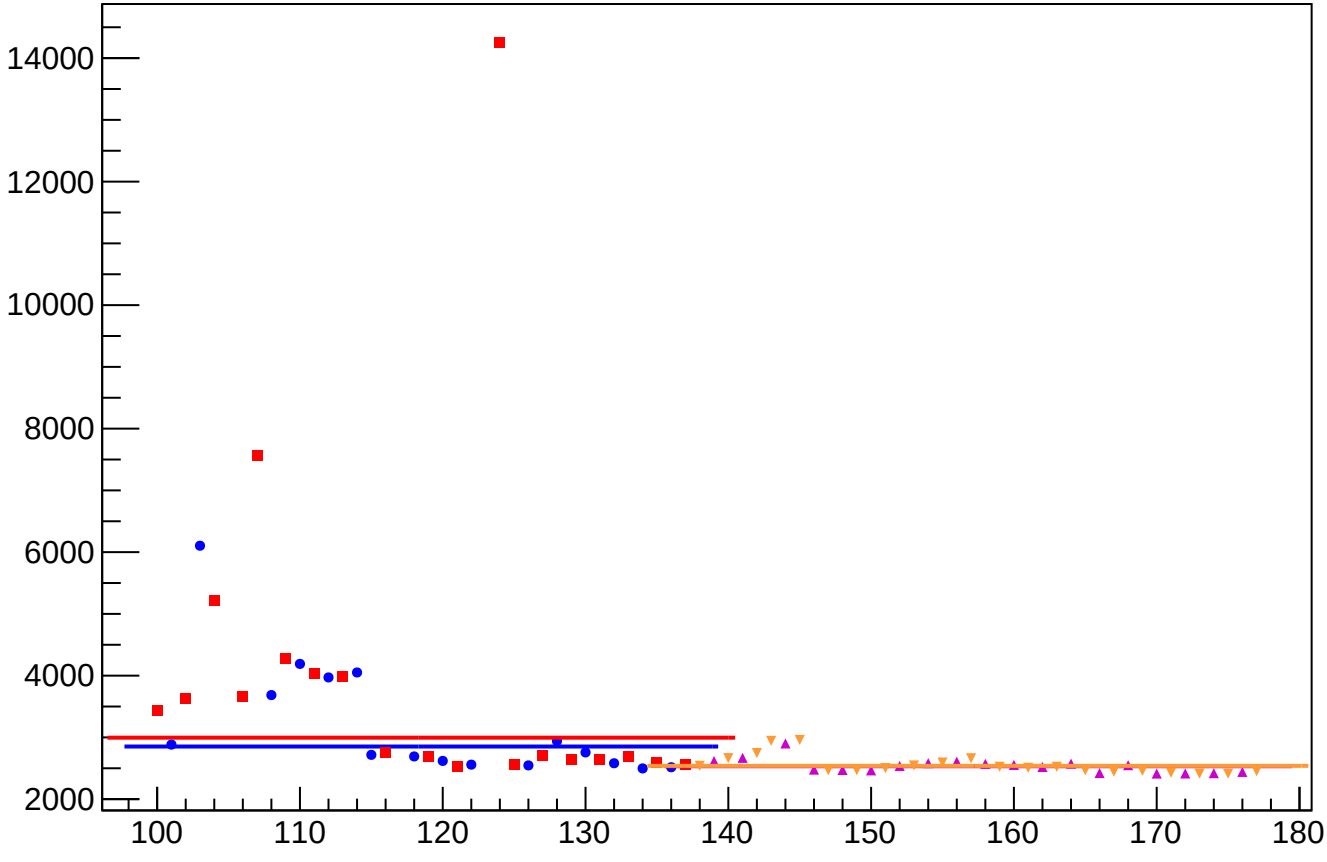
Right: 2092.326+/-784.773 χ^2/NDF: 37.7/34

In: 1696.684+/-553.260 χ^2/NDF:28.9/34

Out: 1165.639+/-546.200 χ^2/NDF:50.3/39

All: 1427.751+/-388.694 χ^2/NDF: 79.6/74

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2539.410+/-0.440 χ^2/NDF:99300.2/20

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

Left In: 2532.942+/-0.455 χ^2/NDF:57163.0/18

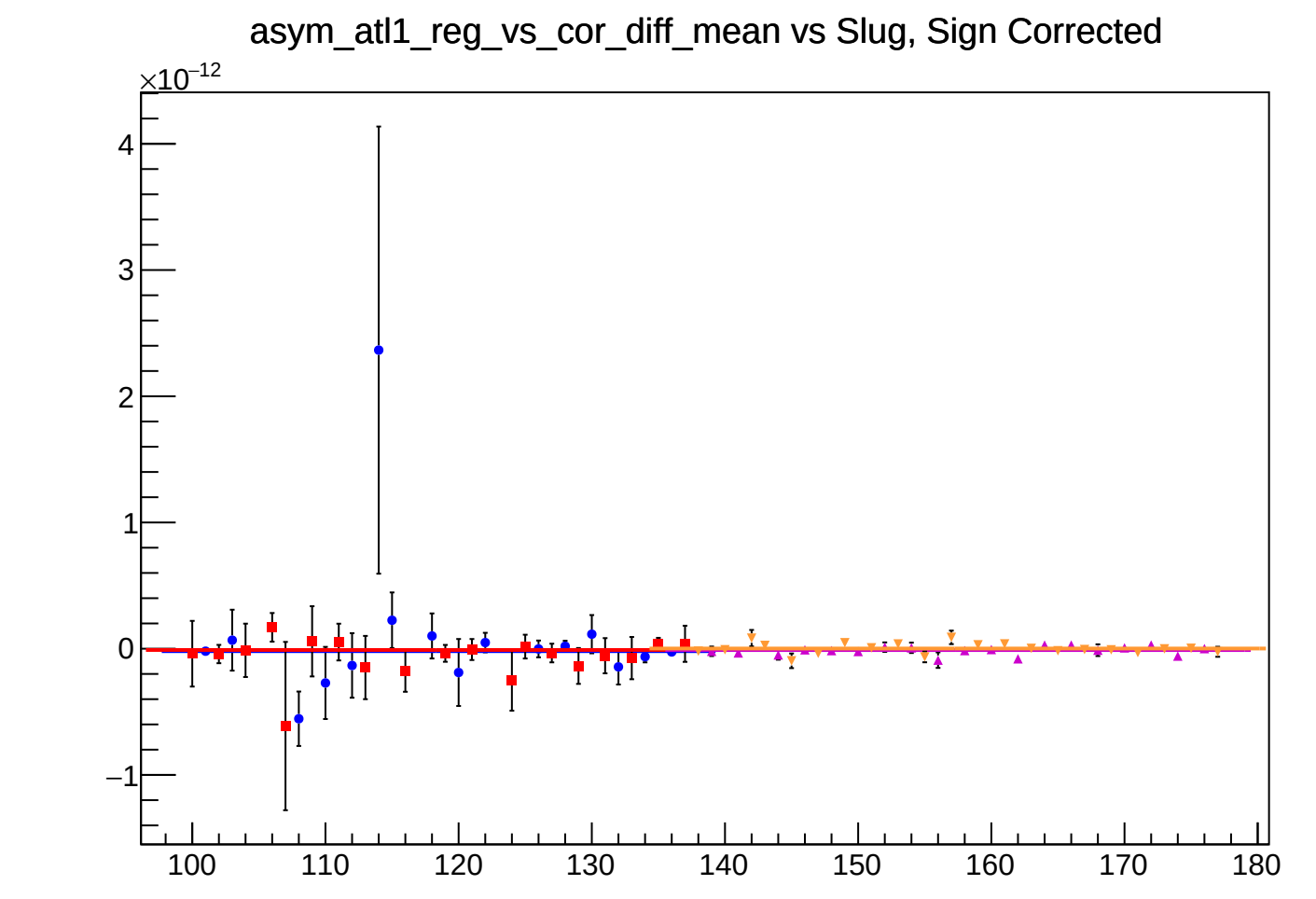
Left: 2536.280+/-0.316 χ^2/NDF: 156567.6/39

Right: 2920.506+/-0.555 χ^2/NDF: 1644523.2/34

In: 2616.001+/-0.391 χ^2/NDF:834066.5/34

Out: 2644.704+/-0.386 χ^2/NDF:1326106.4/39

All: 2630.537+/-0.275 χ^2/NDF: 2162899.0/74



Right In: -0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/20

Right Out: -0.000+/-0.000 χ^2/NDF: 8.3/18

Left In: -0.000+/-0.000 χ^2/NDF:26.5/18

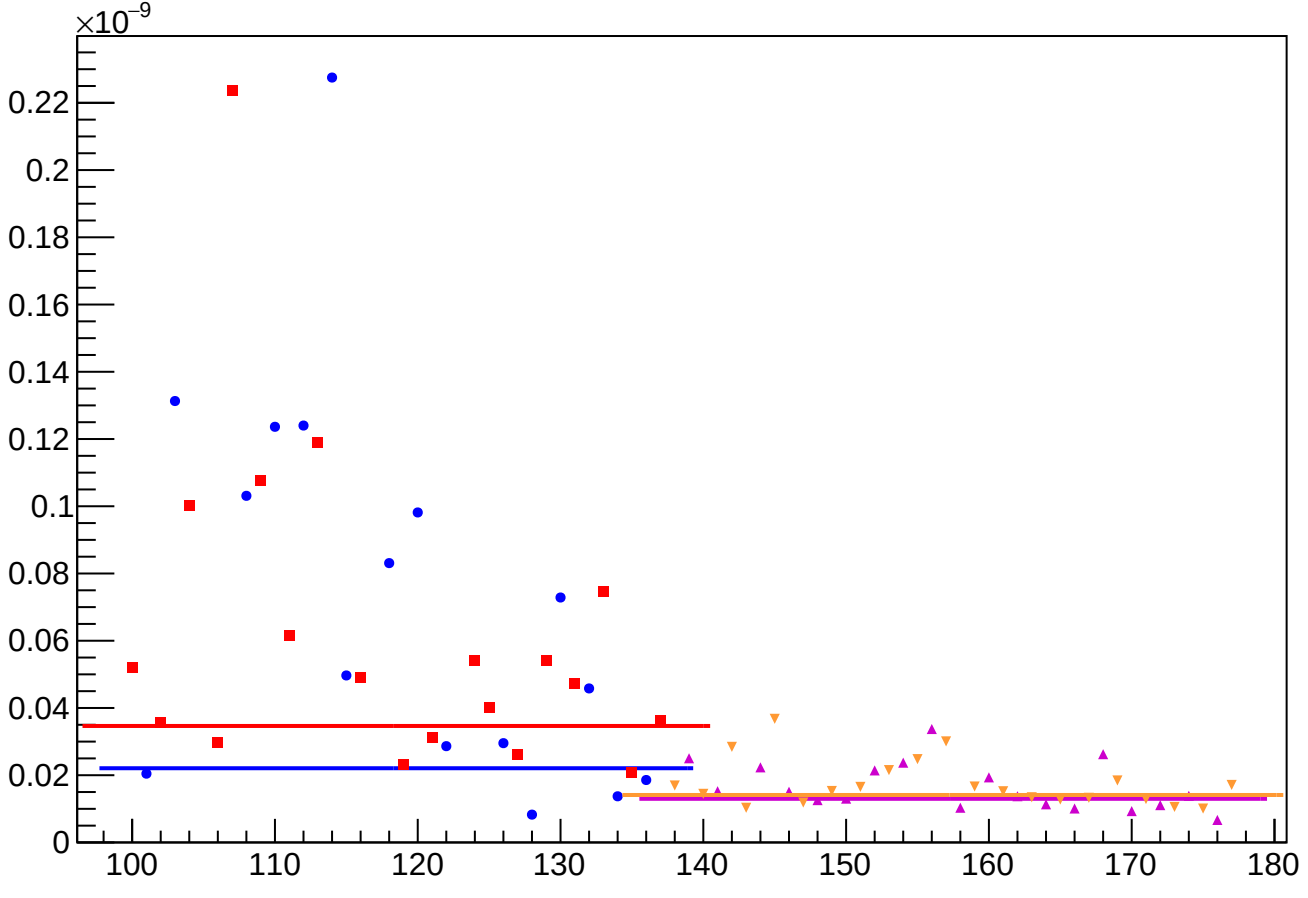
Left: -0.000+/-0.000 χ^2/NDF: 53.3/39

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:42.1/34

Out: 0.000+/-0.000 χ^2/NDF:33.1/39

All: -0.000+/-0.000 χ^2/NDF: 77.7/74



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1211063.6/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1536034.3/18

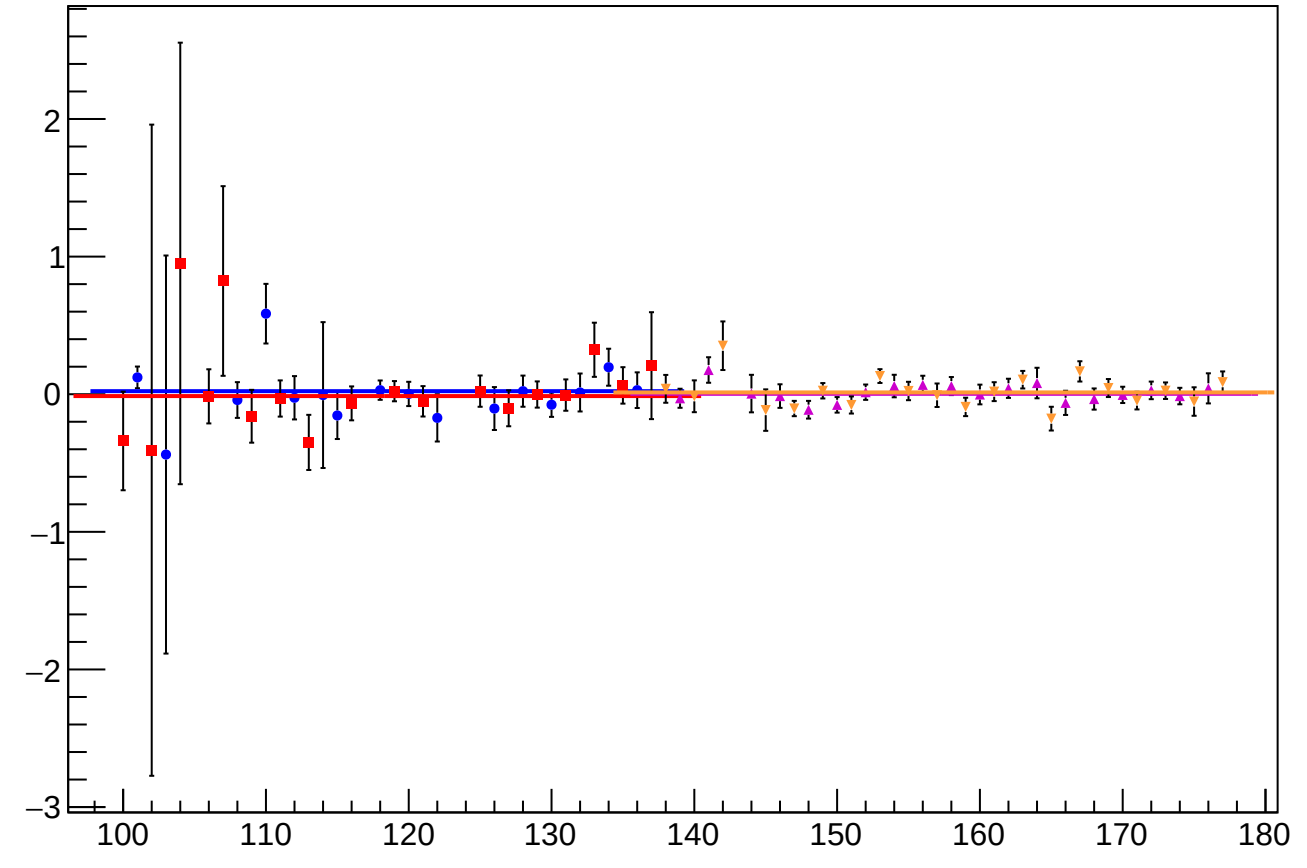
Left: 0.000+/-0.000 χ^2/NDF: 2785366.8/39

Right: 0.000+/-0.000 χ^2/NDF: 3942150.2/34

In: 0.000+/-0.000 χ^2/NDF:4383658.4/34

Out: 0.000+/-0.000 χ^2/NDF:3792469.3/39

All: 0.000+/-0.000 χ^2/NDF: 8225889.8/74



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.013+/-0.016 χ^2/NDF:33.1/19

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.003+/-0.016 χ^2/NDF:13.2/18

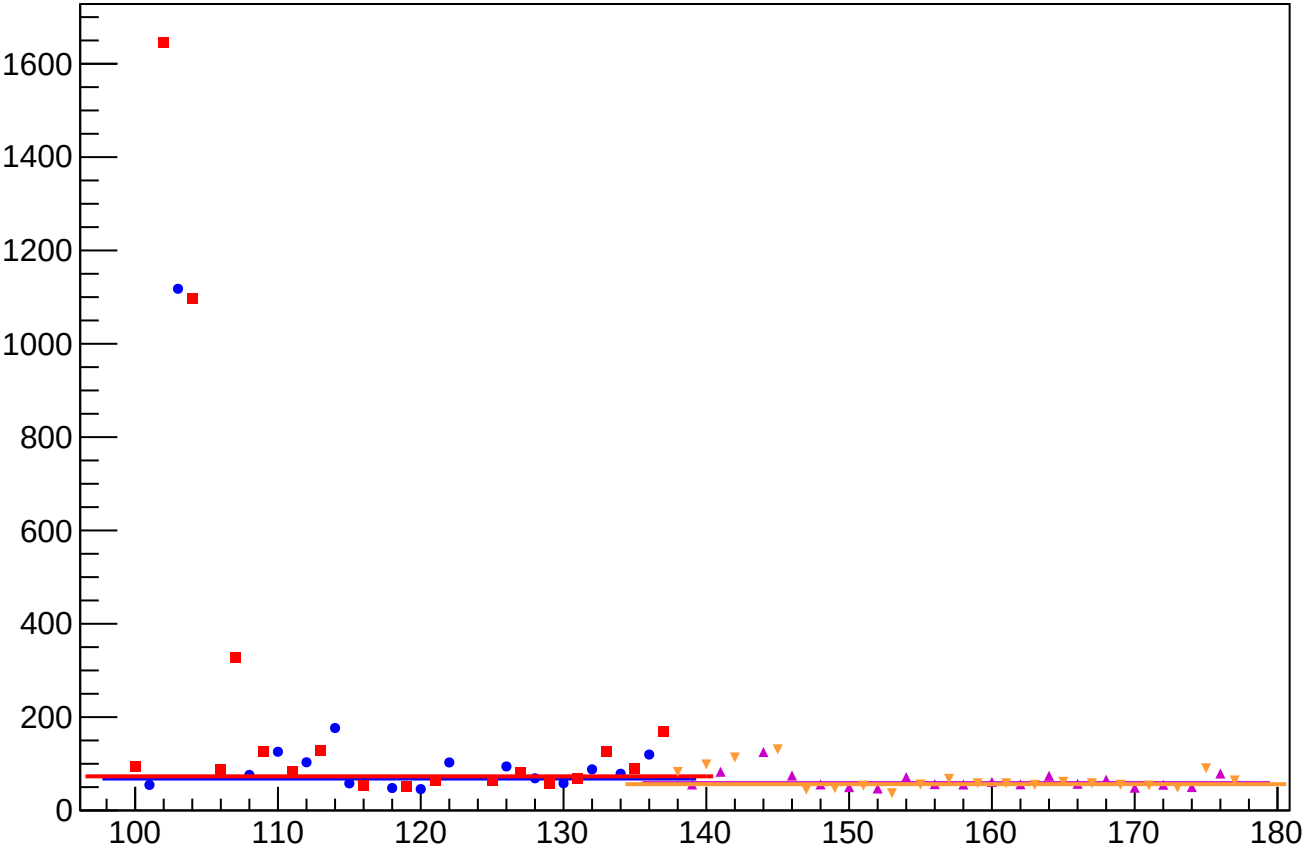
Left: 0.008+/-0.011 χ^2/NDF: 46.5/38

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.007+/-0.014 χ^2/NDF:28.3/34

Out: 0.008+/-0.014 χ^2/NDF:44.4/37

All: 0.008+/-0.010 χ^2/NDF: 72.8/72



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 56.313+/-0.011 χ^2/NDF:1858344.8/19

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 58.552+/-0.012 χ^2/NDF:1117484.4/18

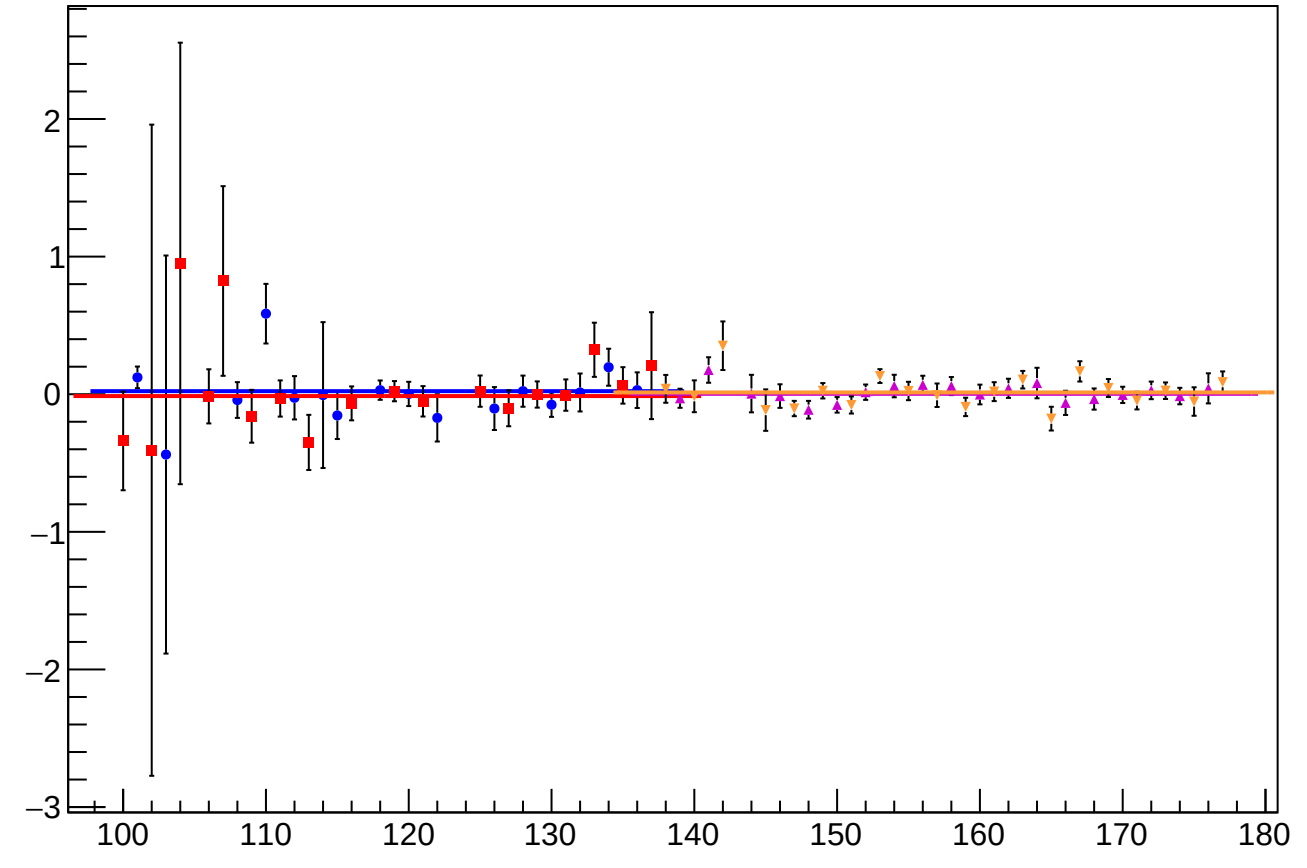
Left: 57.397+/-0.008 χ^2/NDF: 2994859.3/38

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 60.828+/-0.010 χ^2/NDF:3560754.0/34

Out: 59.421+/-0.010 χ^2/NDF:5179770.9/37

All: 60.122+/-0.007 χ^2/NDF: 8750018.1/72



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.013+/-0.016 χ^2/NDF:33.1/19

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.003+/-0.016 χ^2/NDF:13.2/18

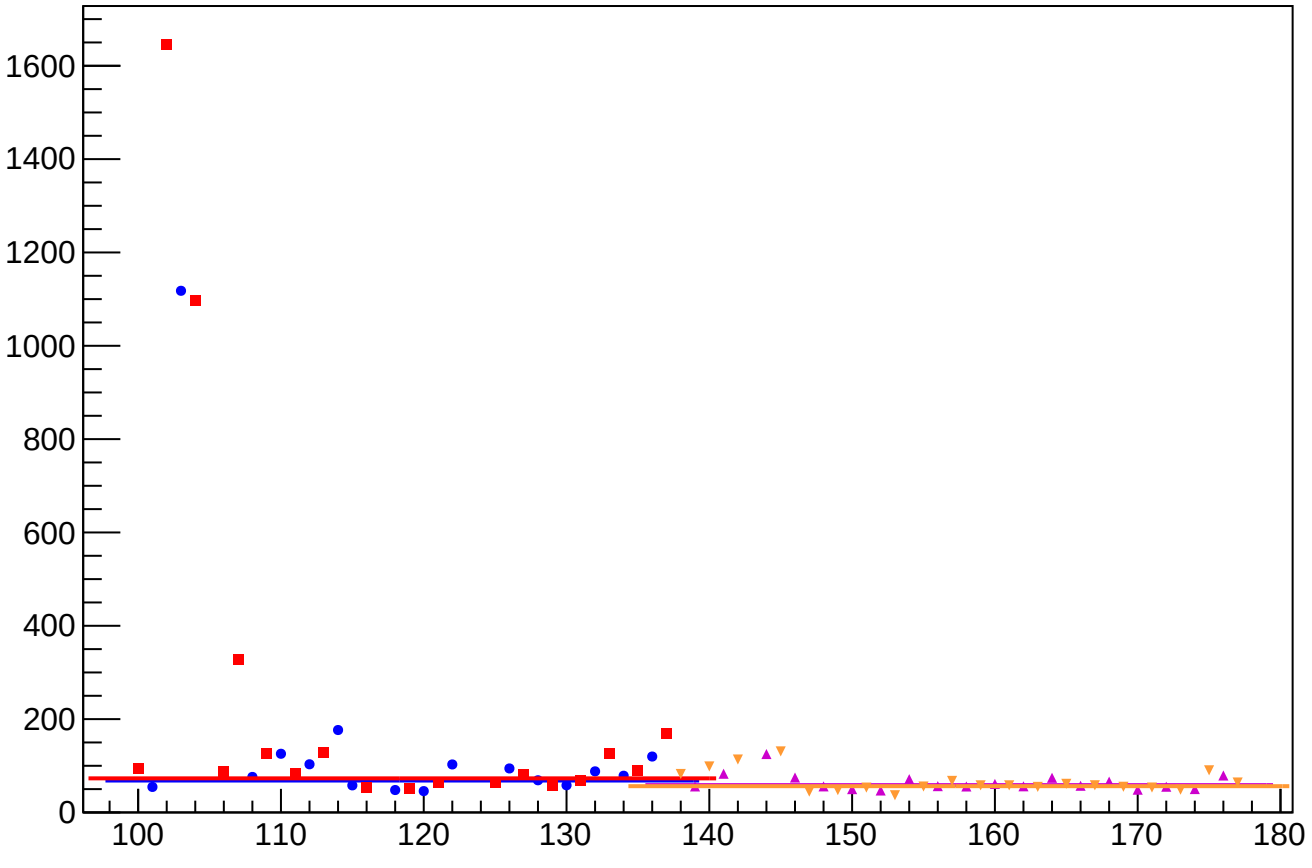
Left: 0.008+/-0.011 χ^2/NDF: 46.5/38

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.007+/-0.014 χ^2/NDF:28.3/34

Out: 0.008+/-0.014 χ^2/NDF:44.4/37

All: 0.008+/-0.010 χ^2/NDF: 72.8/72



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 56.313+/-0.011 χ^2/NDF:1858344.8/19

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 58.552+/-0.012 χ^2/NDF:1117484.4/18

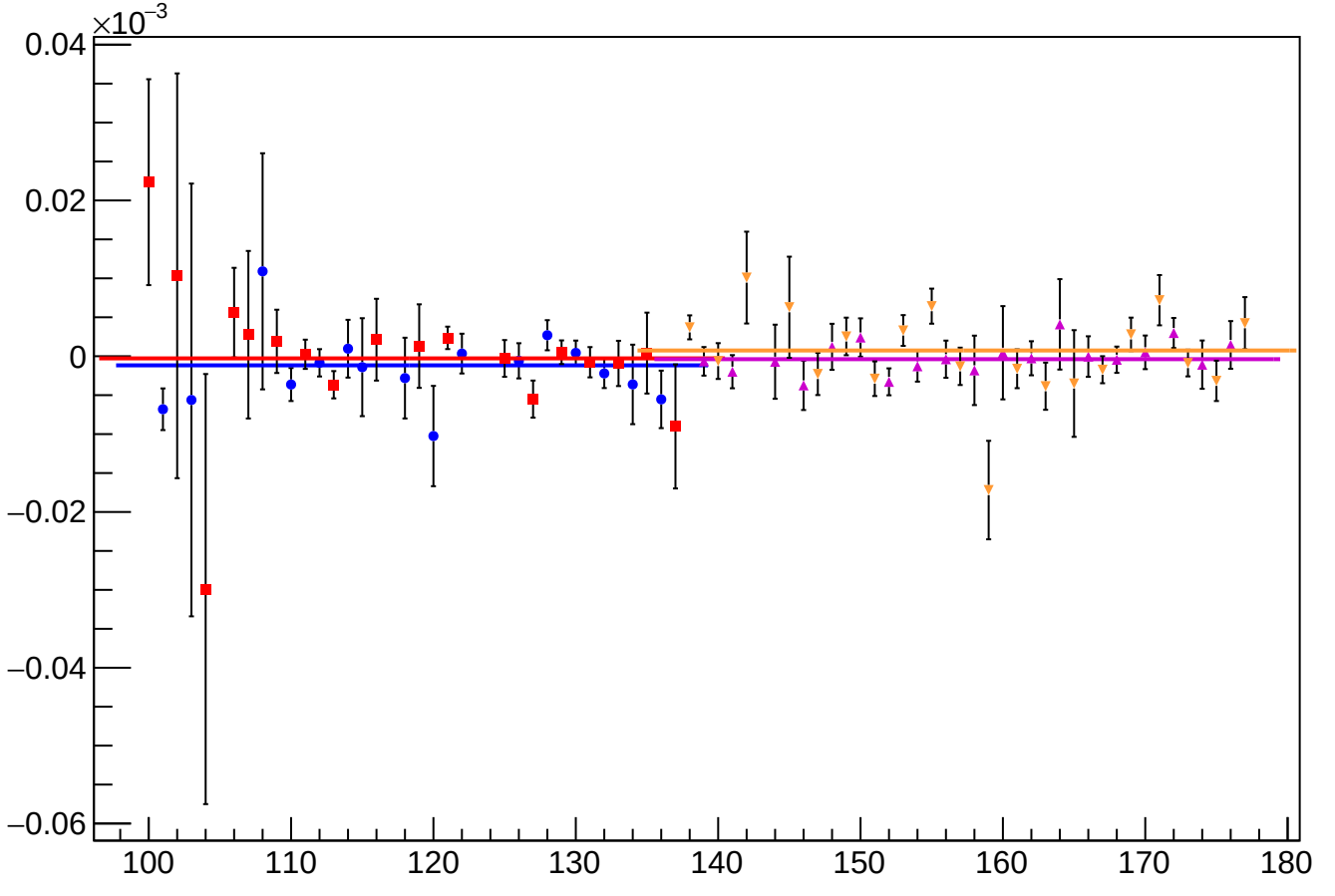
Left: 57.397+/-0.008 χ^2/NDF: 2994859.3/38

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 60.828+/-0.010 χ^2/NDF:3560754.0/34

Out: 59.421+/-0.010 χ^2/NDF:5179770.9/37

All: 60.122+/-0.007 χ^2/NDF: 8750018.1/72



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/19

Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:10.7/18

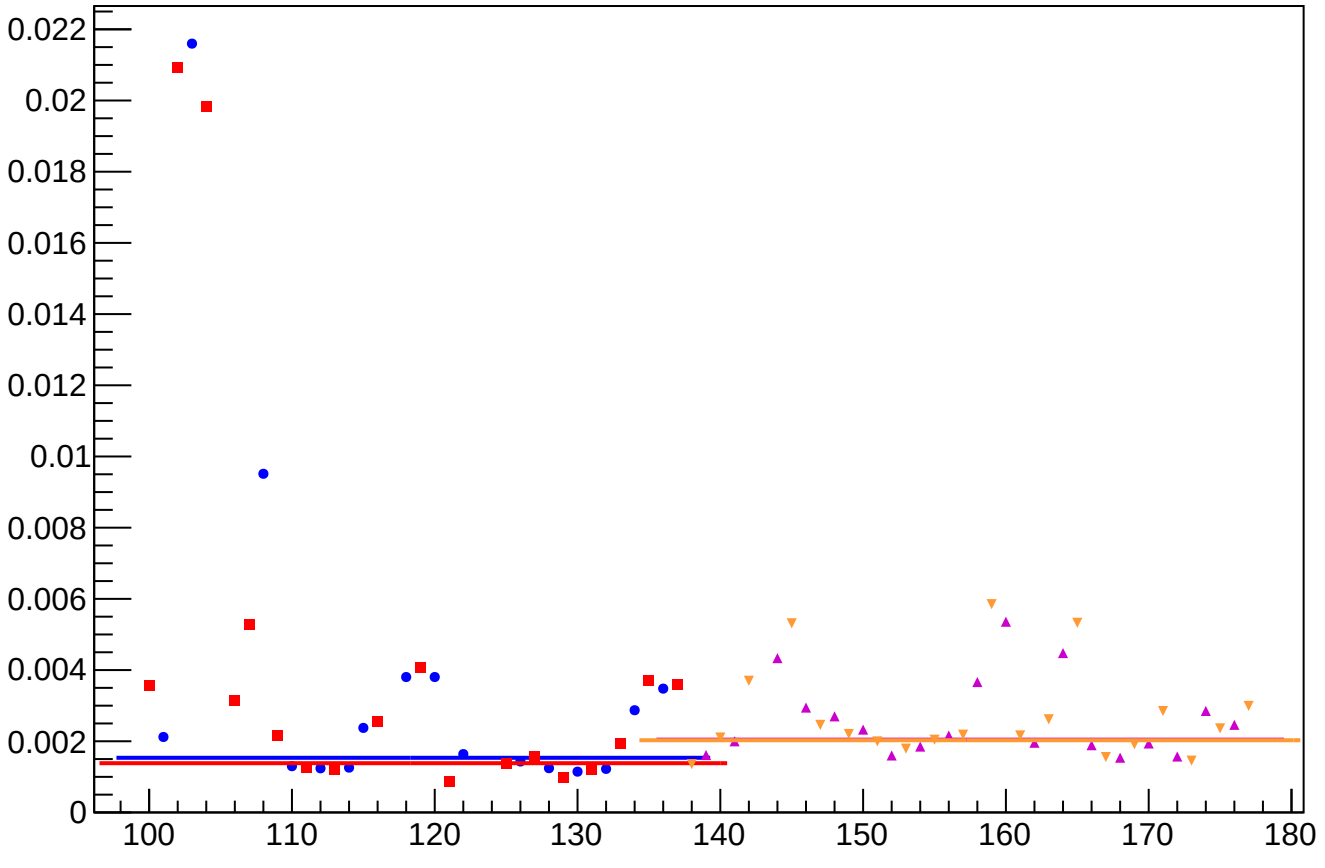
Left: 0.000+/-0.000 χ^2/NDF: 56.1/38

Right: -0.000+/-0.000 χ^2/NDF: 36.8/33

In: -0.000+/-0.000 χ^2/NDF:27.8/34

Out: 0.000+/-0.000 χ^2/NDF:64.4/37

All: -0.000+/-0.000 χ^2/NDF: 95.1/72



Right In: 0.002+/-0.000 χ^2/NDF: 3373907.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:3136718.1/19

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

Left In: 0.002+/-0.000 χ^2/NDF:2733687.0/18

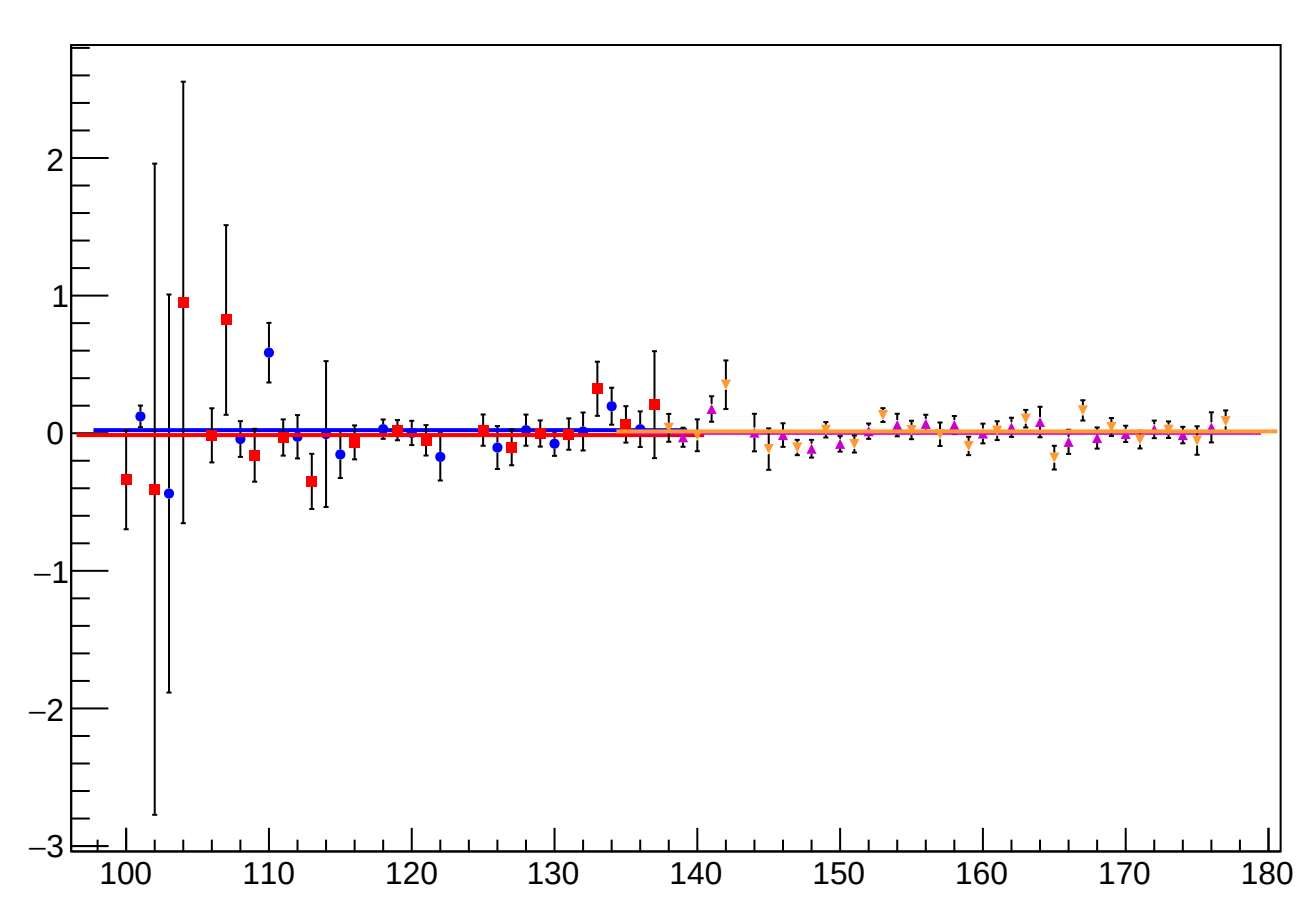
Left: 0.002+/-0.000 χ^2/NDF: 5871353.4/38

Right: 0.001+/-0.000 χ^2/NDF: 7697891.2/33

In: 0.002+/-0.000 χ^2/NDF:6799012.6/34

Out: 0.002+/-0.000 χ^2/NDF:8593819.4/37

All: 0.002+/-0.000 χ^2/NDF: 15430834.4/72



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.013+/-0.016 χ^2/NDF:33.1/19

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.003+/-0.016 χ^2/NDF:13.2/18

Left: 0.008+/-0.011 χ^2/NDF: 46.5/38

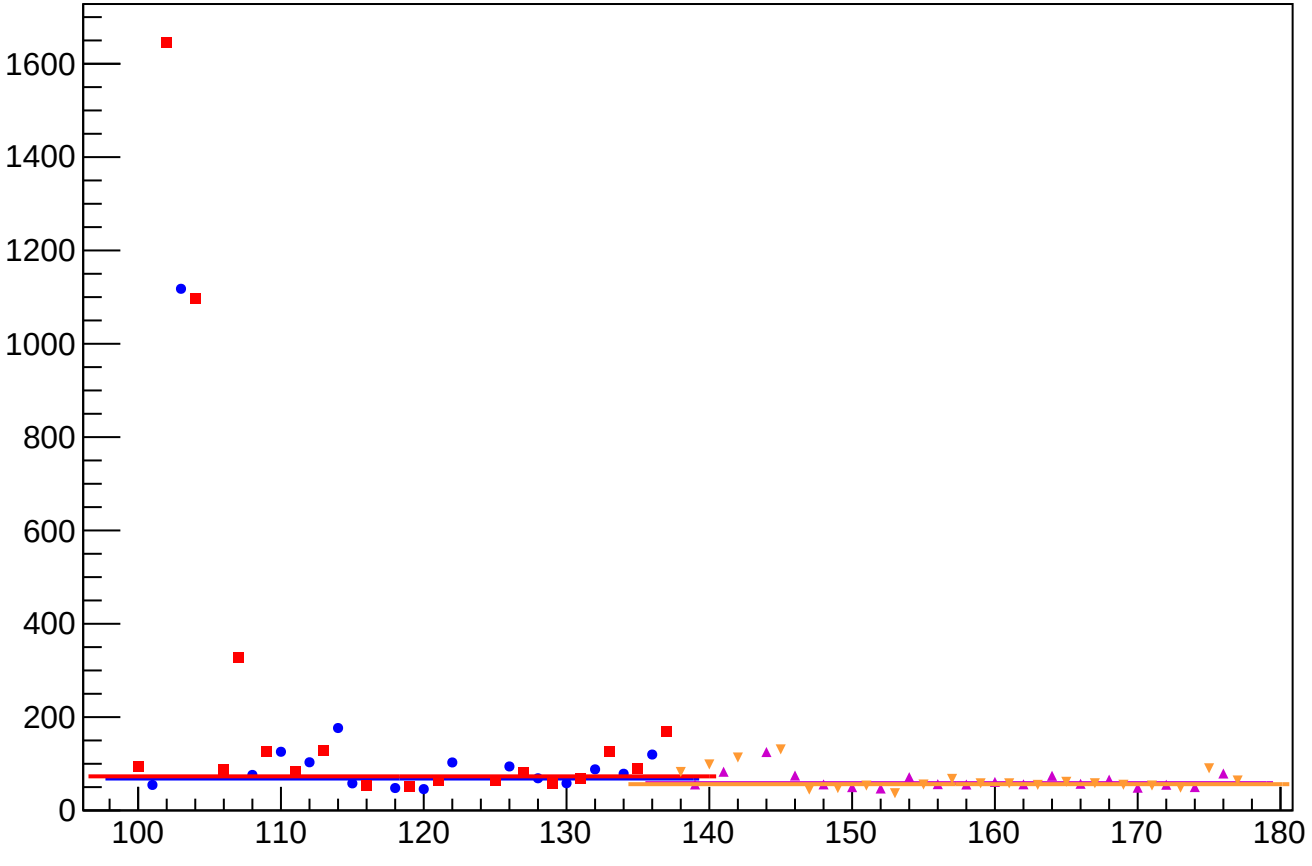
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.007+/-0.014 χ^2/NDF:28.3/34

Out: 0.008+/-0.014 χ^2/NDF:44.4/37

All: 0.008+/-0.010 χ^2/NDF: 72.8/72

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 56.313+/-0.011 χ^2/NDF:1858419.5/19

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 58.553+/-0.012 χ^2/NDF:1117457.7/18

Left: 57.397+/-0.008 χ^2/NDF: 2994910.0/38

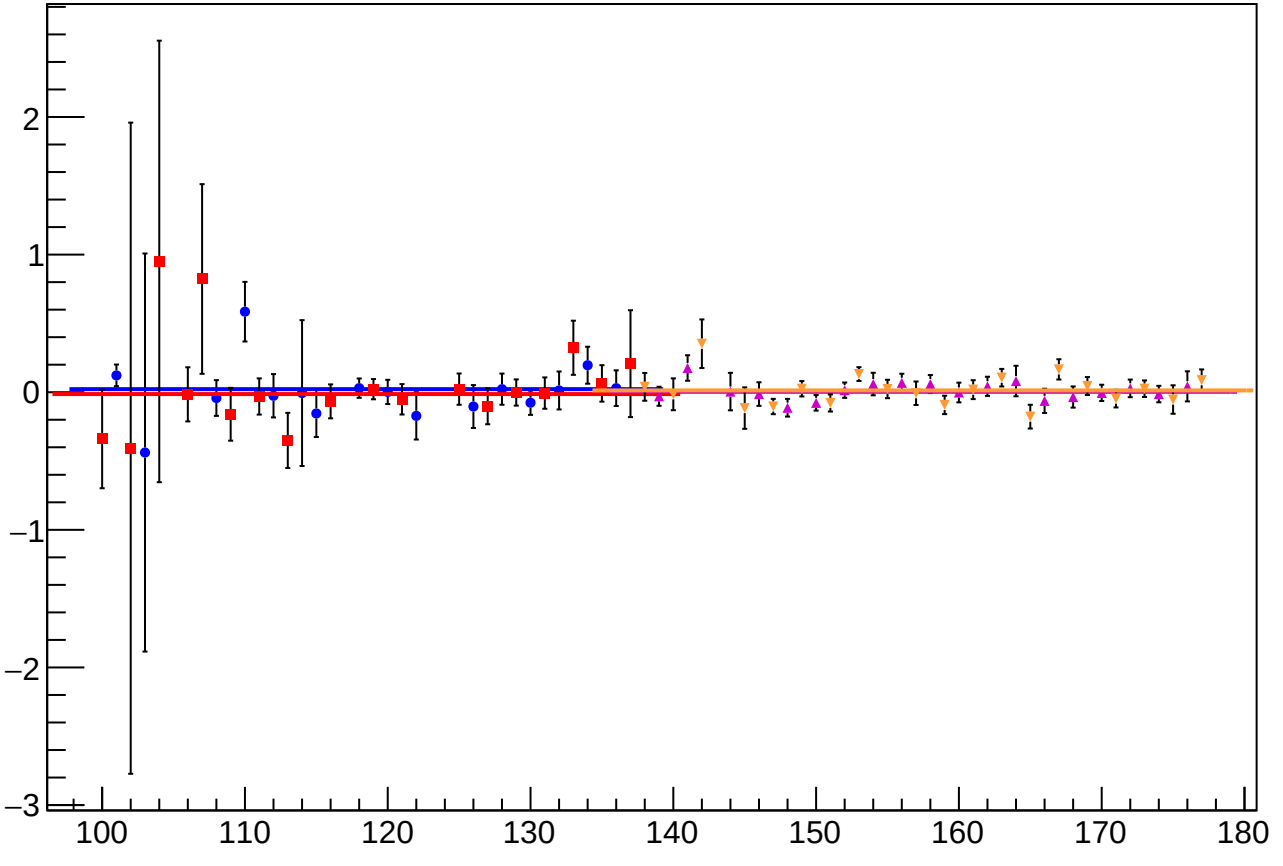
Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 60.828+/-0.010 χ^2/NDF:3560775.4/34

Out: 59.420+/-0.010 χ^2/NDF:5179835.3/37

All: 60.121+/-0.007 χ^2/NDF: 8750103.9/72

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.013+/-0.016 χ^2/NDF:33.1/19

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.003+/-0.016 χ^2/NDF:13.2/18

Left: 0.008+/-0.011 χ^2/NDF: 46.5/38

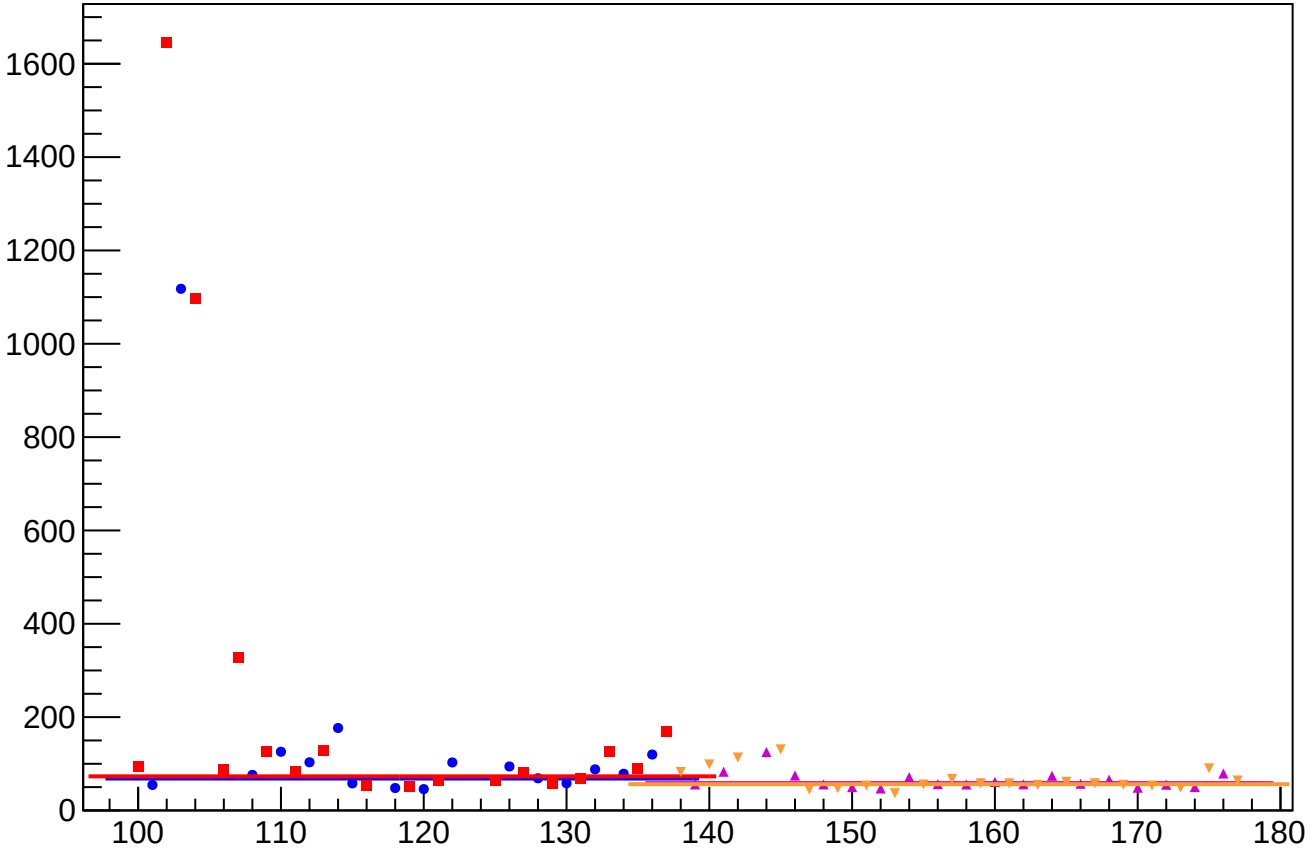
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.007+/-0.014 χ^2/NDF:28.3/34

Out: 0.008+/-0.014 χ^2/NDF:44.4/37

All: 0.008+/-0.010 χ^2/NDF: 72.8/72

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: 56.313+/-0.011 χ^2/NDF:1858419.5/19

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 58.553+/-0.012 χ^2/NDF:1117457.7/18

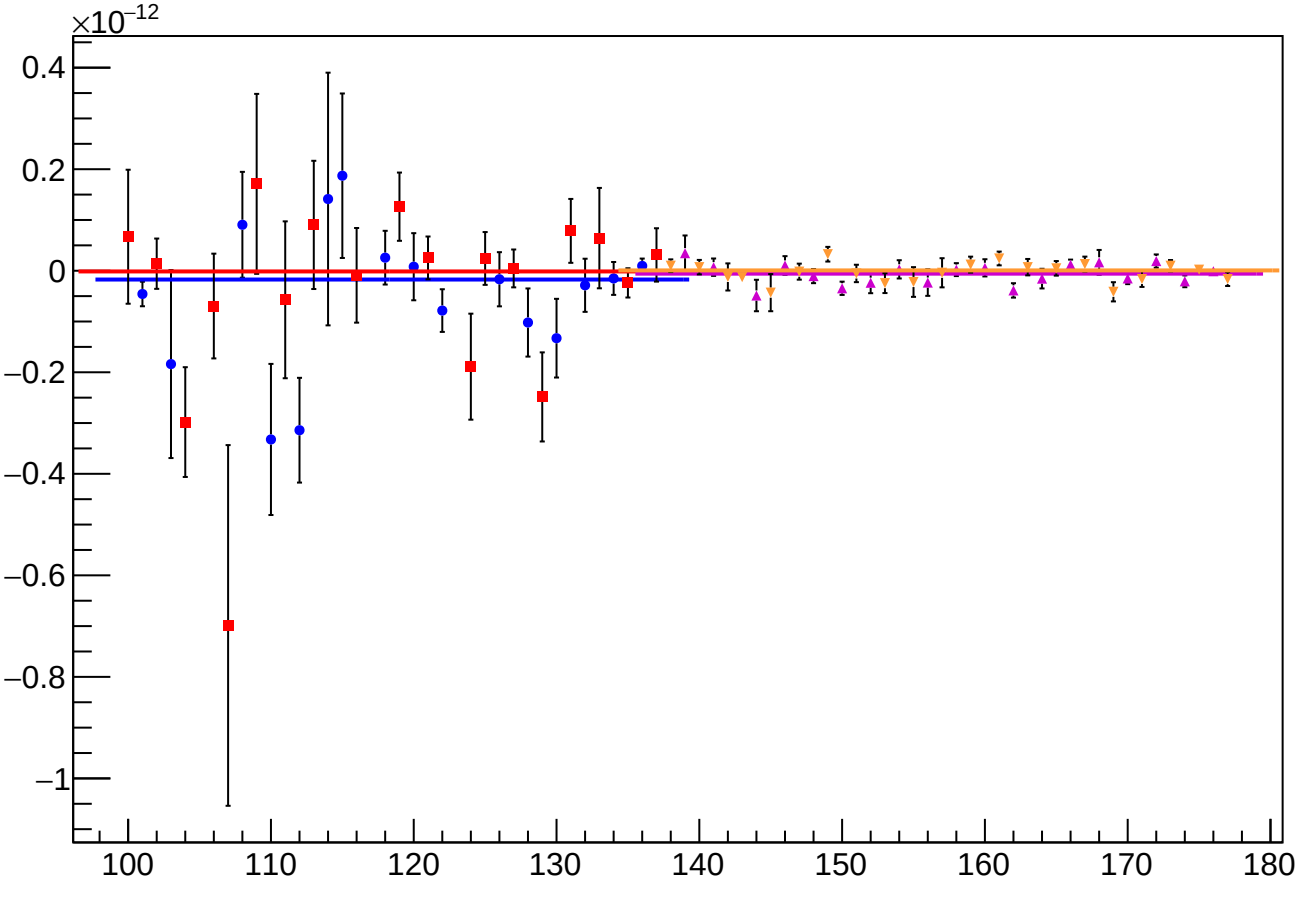
Left: 57.397+/-0.008 χ^2/NDF: 2994910.0/38

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 60.828+/-0.010 χ^2/NDF:3560775.4/34

Out: 59.420+/-0.010 χ^2/NDF:5179835.3/37

All: 60.121+/-0.007 χ^2/NDF: 8750103.9/72



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/20

Right Out: -0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: -0.000+/-0.000 χ^2/NDF:27.7/18

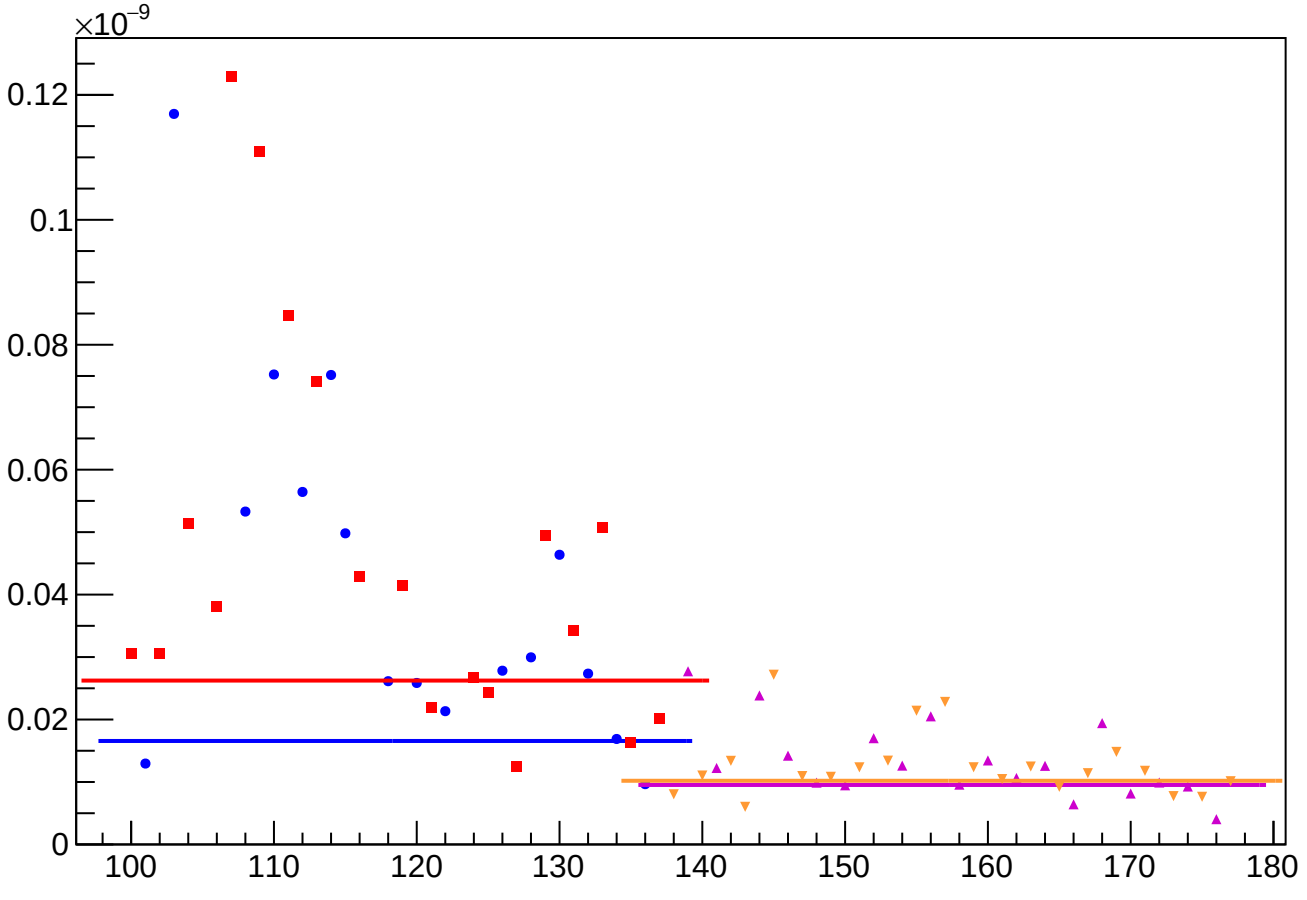
Left: -0.000+/-0.000 χ^2/NDF: 54.3/39

Right: -0.000+/-0.000 χ^2/NDF: 61.4/34

In: -0.000+/-0.000 χ^2/NDF:57.2/34

Out: 0.000+/-0.000 χ^2/NDF:56.9/39

All: -0.000+/-0.000 χ^2/NDF: 116.9/74



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2187110.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2346394.7/18

Left In: 0.000+/-0.000 χ^2/NDF:3665518.0/18

Left: 0.000+/-0.000 χ^2/NDF: 5895718.9/39

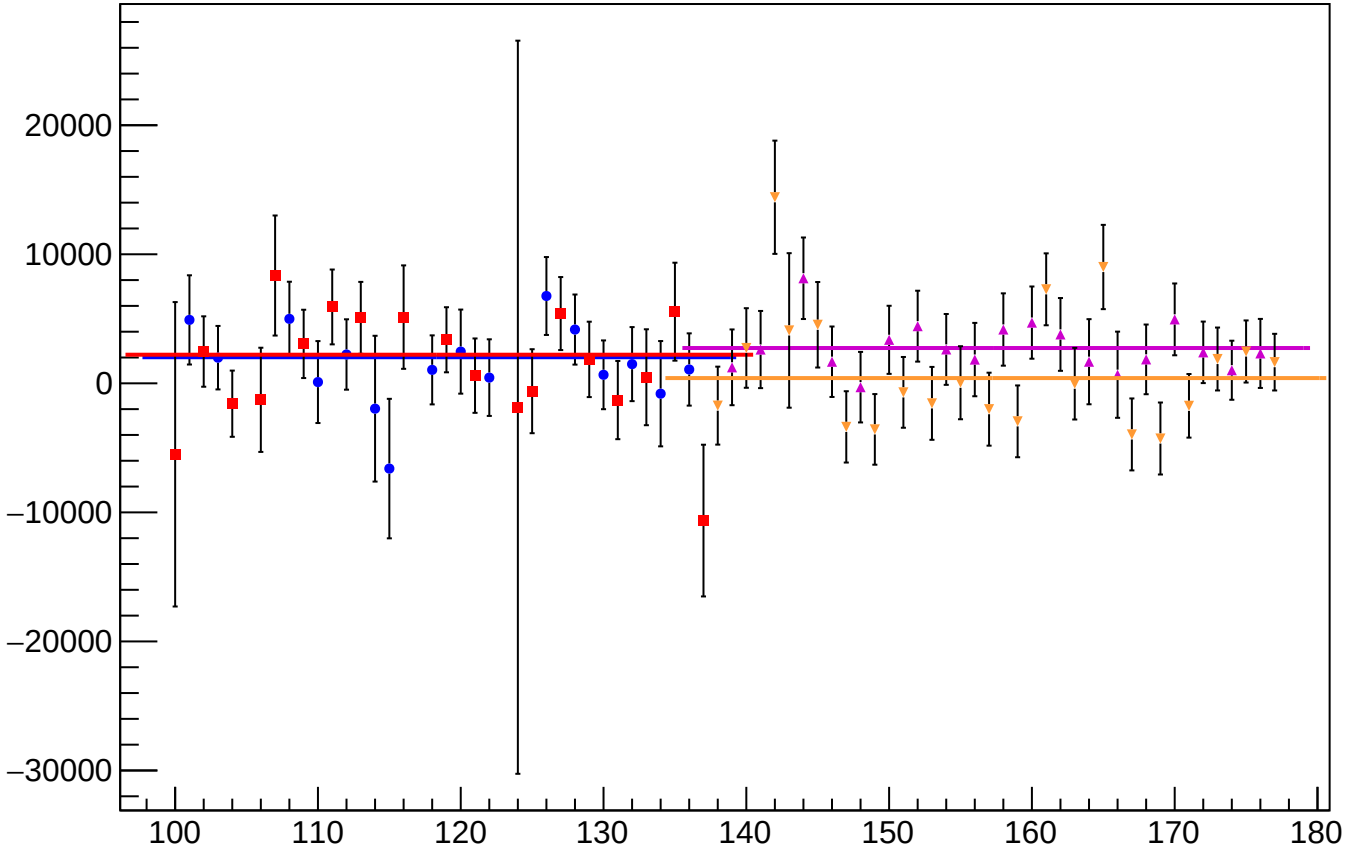
Right: 0.000+/-0.000 χ^2/NDF: 5786992.3/34

In: 0.000+/-0.000 χ^2/NDF:7387911.0/34

Out: 0.000+/-0.000 χ^2/NDF:6942298.1/39

All: 0.000+/-0.000 χ^2/NDF: 14392042.2/74

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 406.387+/-618.901 χ^2/NDF:40.5/20

Right Out: 2217.261+/-756.139 χ^2/NDF: 18.1/18

Left In: 2735.777+/-636.986 χ^2/NDF:7.8/18

Left: 1537.547+/-443.885 χ^2/NDF: 55.3/39

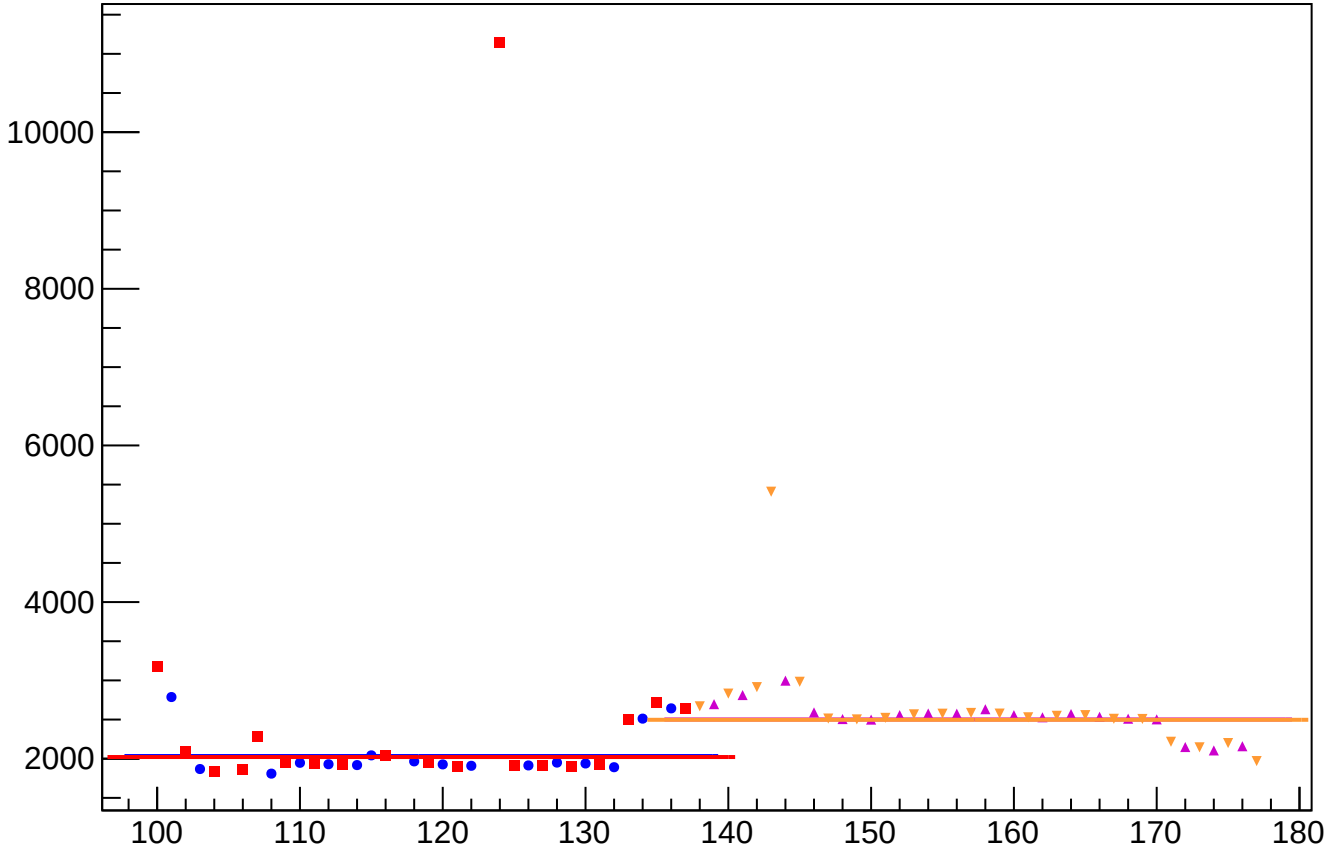
Right: 2121.027+/-537.553 χ^2/NDF: 27.8/34

In: 2443.517+/-489.339 χ^2/NDF:18.0/34

Out: 1132.870+/-478.928 χ^2/NDF:62.1/39

All: 1774.103+/-342.275 χ^2/NDF: 83.7/74

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2496.899+/-0.438 χ^2/NDF:785807.2/20

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

Left In: 2501.048+/-0.450 χ^2/NDF:228202.3/18

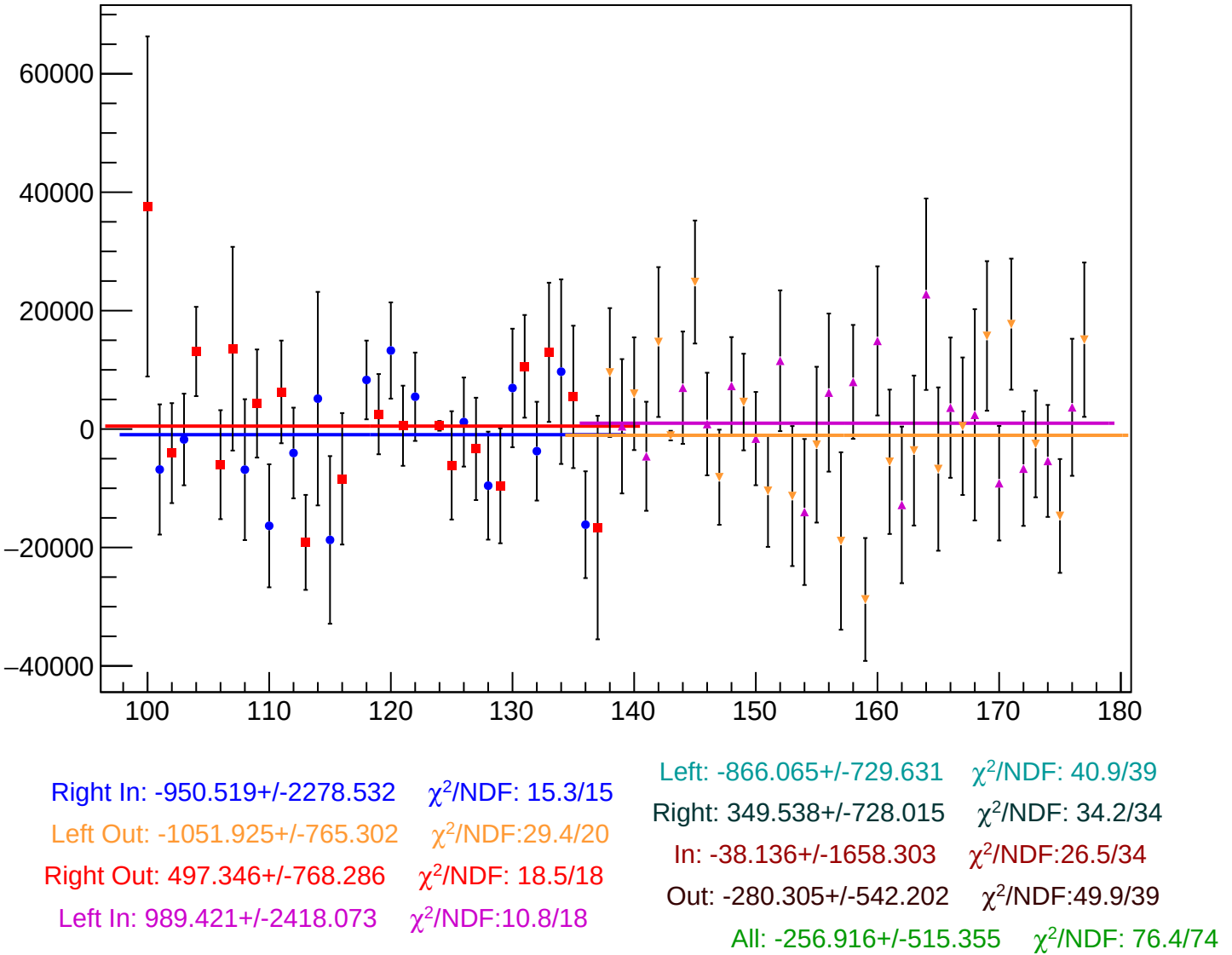
Left: 2498.914+/-0.314 χ^2/NDF: 1014053.2/39

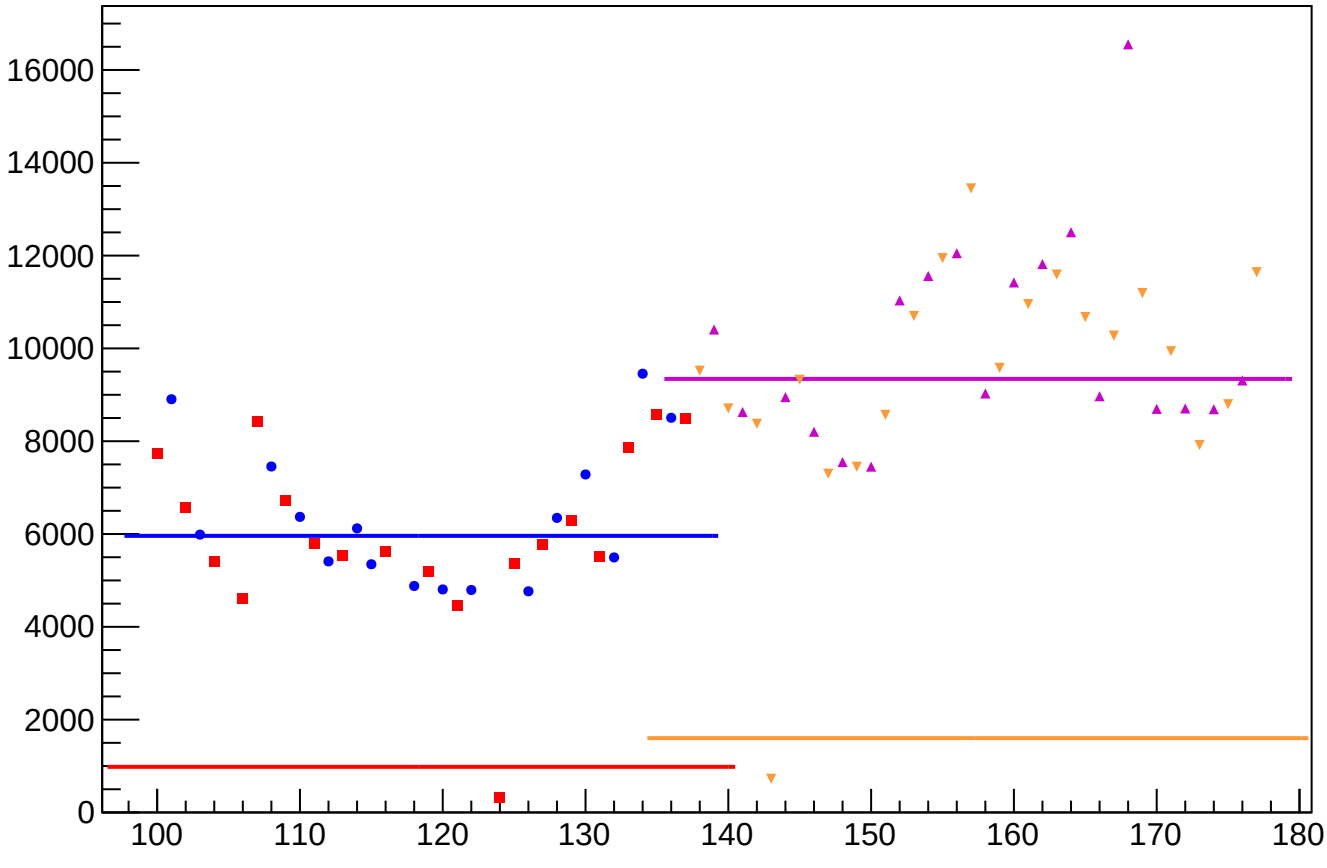
Right: 2027.784+/-0.380 χ^2/NDF: 653557.3/34

In: 2309.693+/-0.346 χ^2/NDF:931541.7/34

Out: 2306.198+/-0.339 χ^2/NDF:1649453.6/39

All: 2307.907+/-0.242 χ^2/NDF: 2581047.4/74


asym_atl2_reg_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
180
Right In: -950.519+/-2278.532 χ²/NDF: 15.3/15
Left Out: -1051.925+/-765.302 χ²/NDF:29.4/20
Right Out: 497.346+/-768.286 χ²/NDF: 18.5/18
Left In: 989.421+/-2418.073 χ²/NDF:10.8/18
Left: -866.065+/-729.631 χ²/NDF: 40.9/39
Right: 349.538+/-728.015 χ²/NDF: 34.2/34
In: -38.136+/-1658.303 χ²/NDF:26.5/34
Out: -280.305+/-542.202 χ²/NDF:49.9/39
All: -256.916+/-515.355 χ²/NDF: 76.4/74



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 1601.373+/-0.541 χ^2/NDF:24167154.8/20

Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

Left In: 9342.635+/-1.710 χ^2/NDF:1023641.3/18

Left: 2306.195+/-0.516 χ^2/NDF: 43822645.0/39

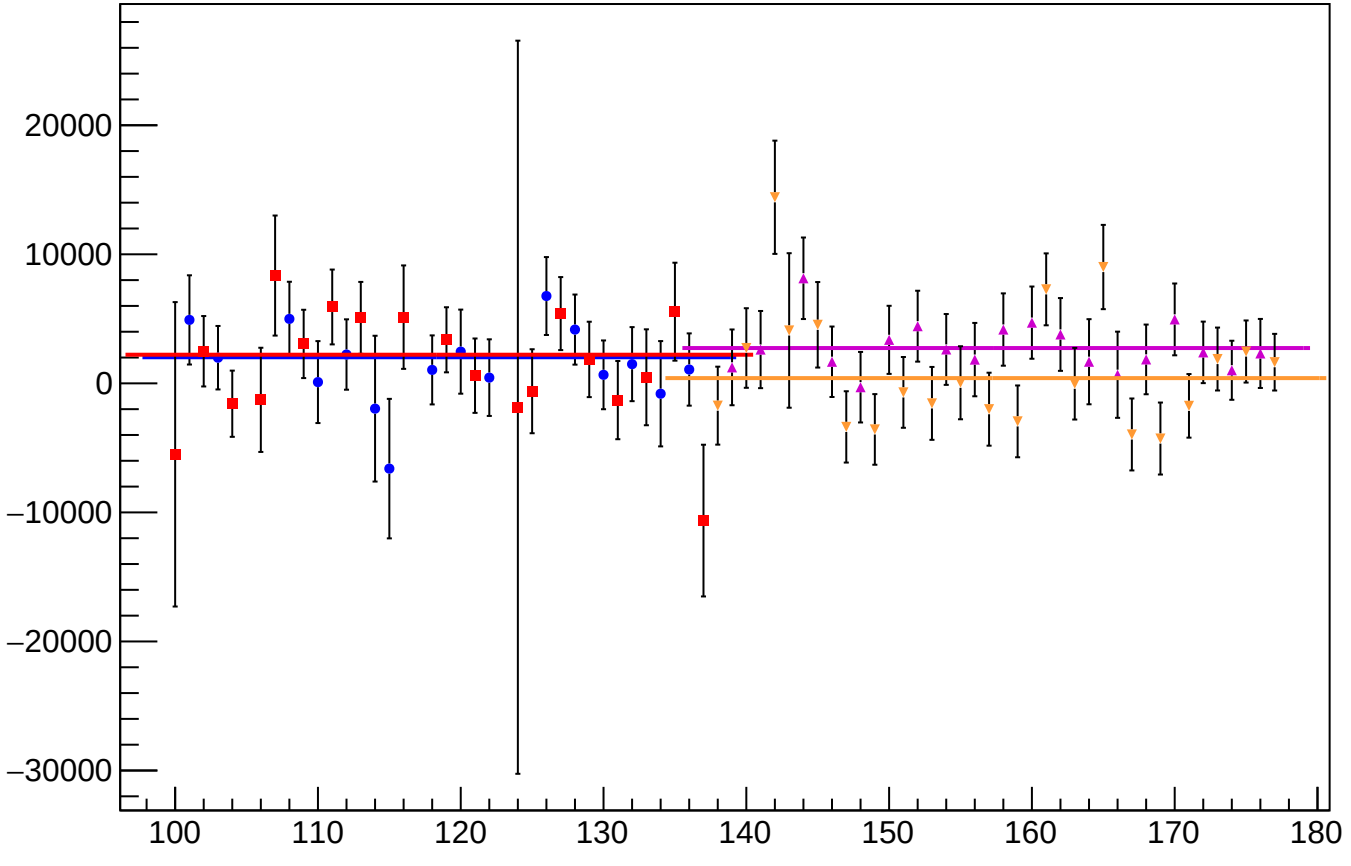
Right: 1491.453+/-0.515 χ^2/NDF: 20675824.3/34

In: 7551.329+/-1.173 χ^2/NDF:3785020.7/34

Out: 1293.547+/-0.383 χ^2/NDF:36233520.9/39

All: 1897.921+/-0.364 χ^2/NDF: 65748140.2/7

cor_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 406.334+/-618.901 χ^2/NDF:40.5/20

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 2735.812+/-636.986 χ^2/NDF:7.9/18

Left: 1537.537+/-443.885 χ^2/NDF: 55.3/39

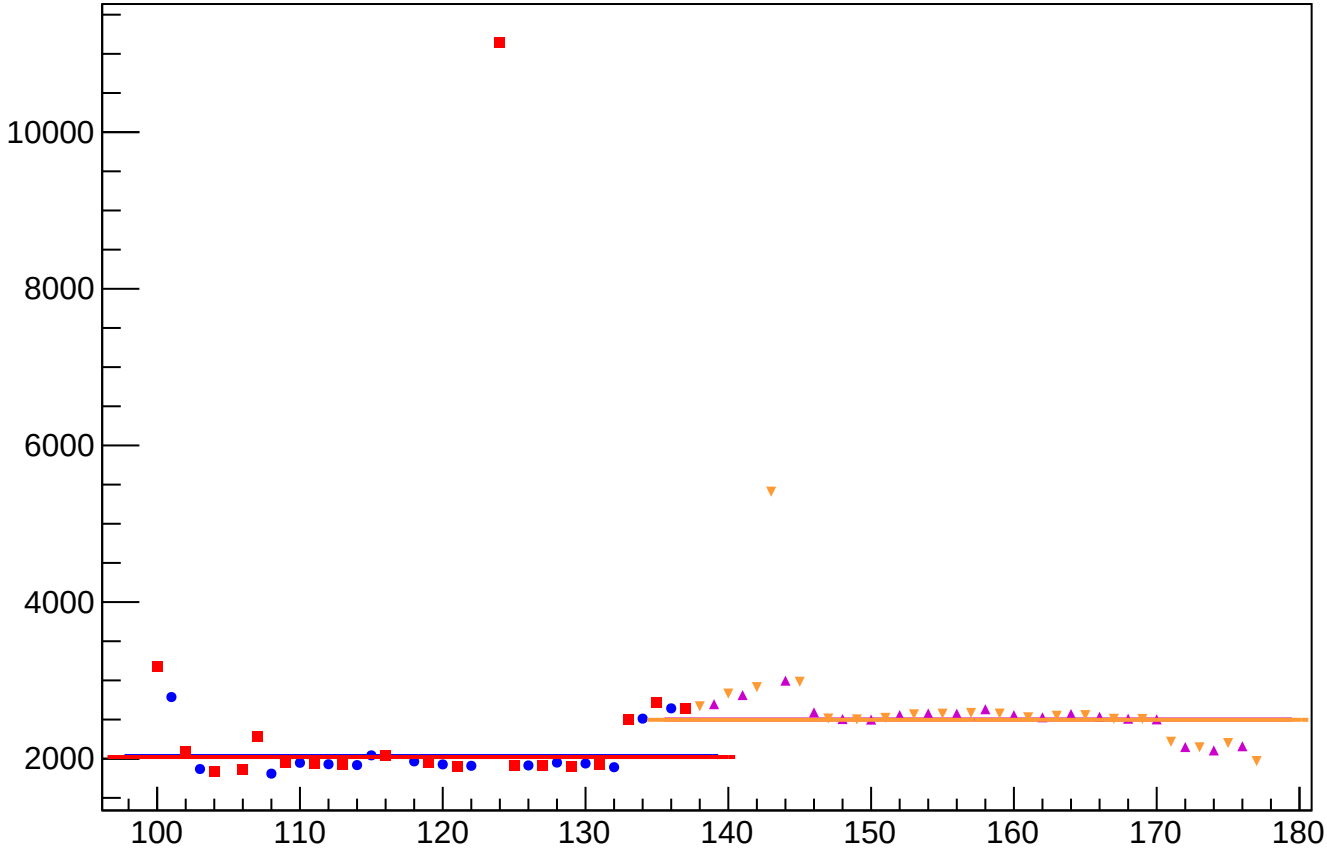
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2443.589+/-489.339 χ^2/NDF:18.0/34

Out: 1133.567+/-478.930 χ^2/NDF:62.1/39

All: 1774.497+/-342.276 χ^2/NDF: 83.8/74

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2496.899+/-0.438 χ^2/NDF:785807.2/20

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2501.048+/-0.450 χ^2/NDF:228202.3/18

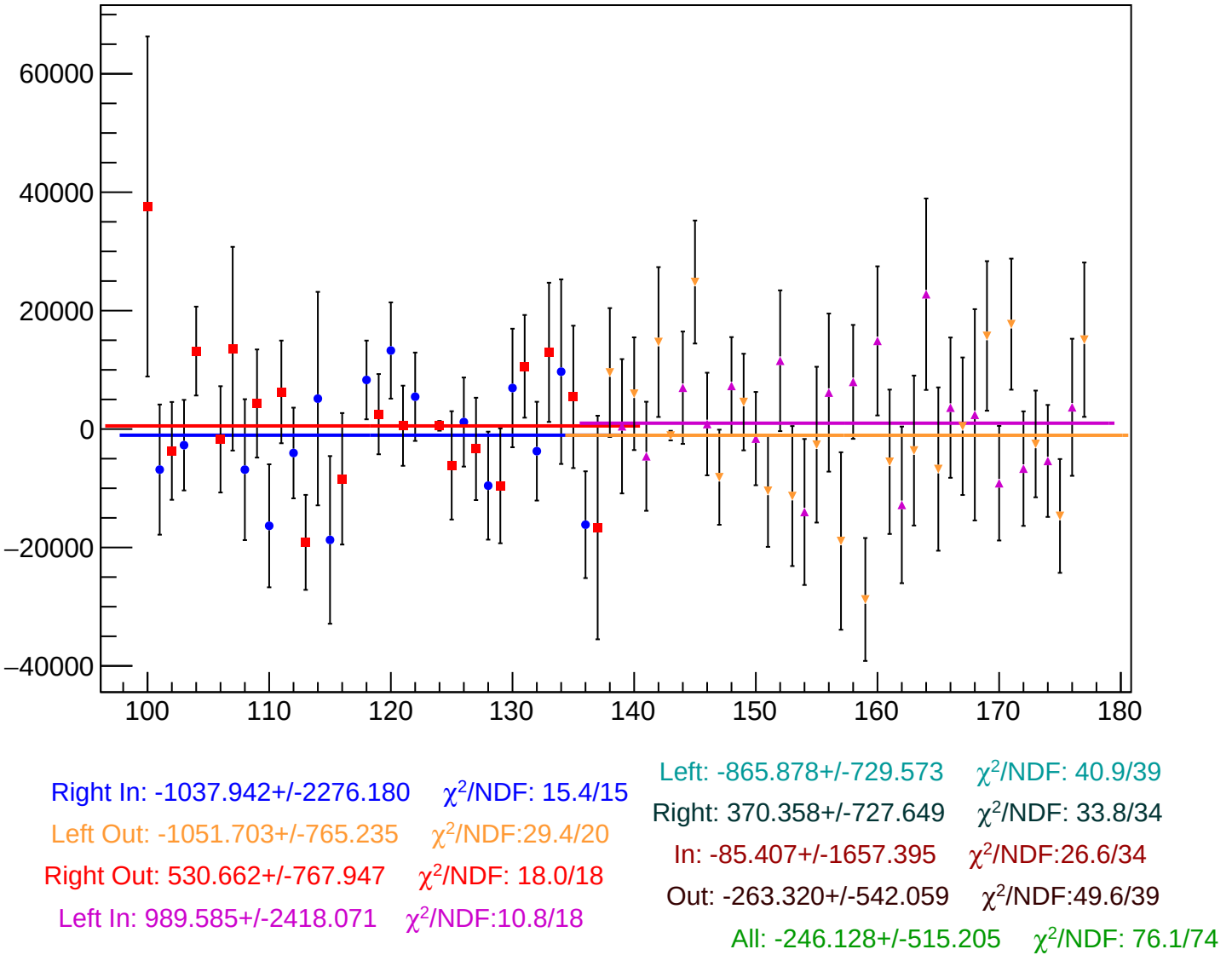
Left: 2498.914+/-0.314 χ^2/NDF: 1014053.2/39

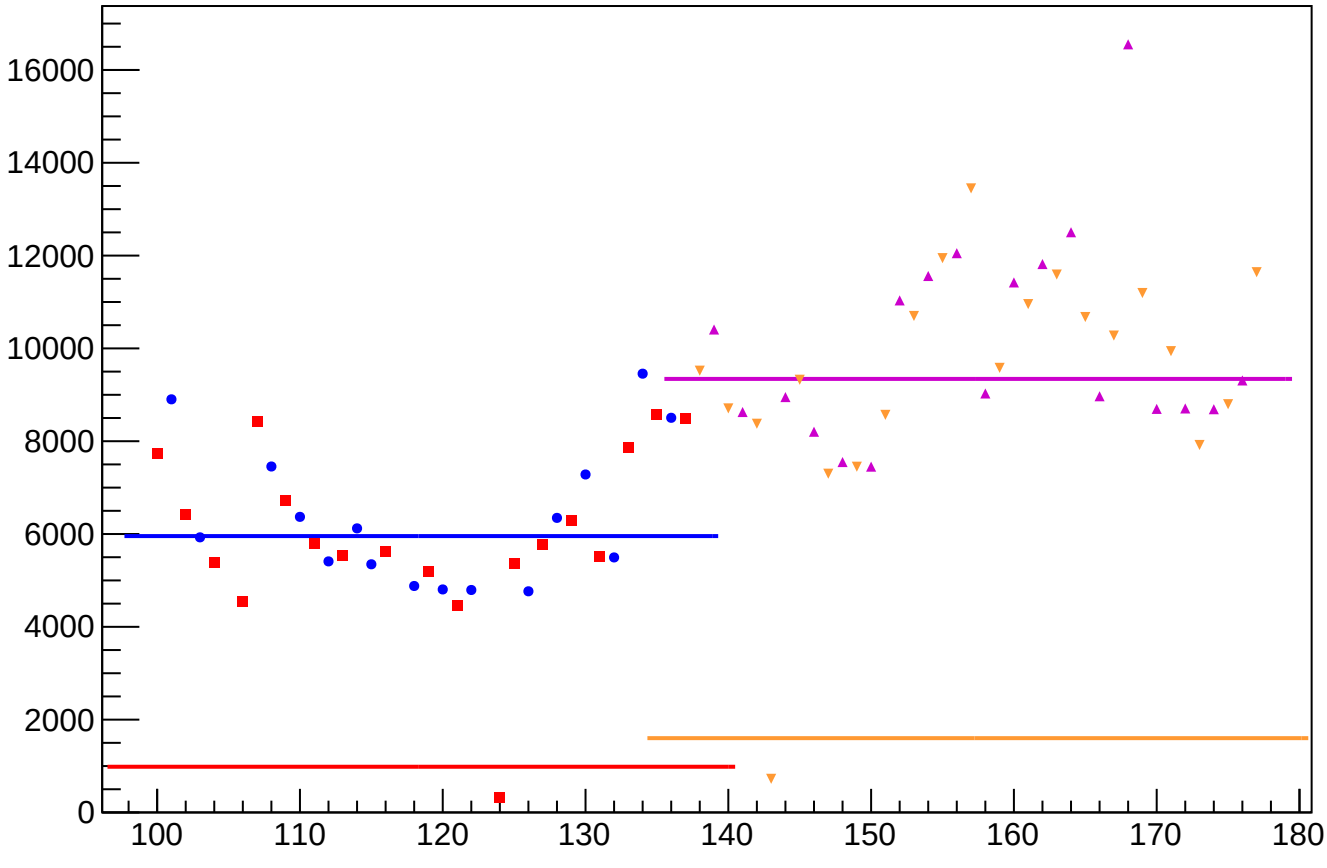
Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2309.692+/-0.346 χ^2/NDF:931541.8/34

Out: 2306.208+/-0.339 χ^2/NDF:1649416.7/39

All: 2307.913+/-0.242 χ^2/NDF: 2581010.3/74


asym_atl2_cor_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
180
Right In: -1037.942+/-2276.180 χ²/NDF: 15.4/15
Left Out: -1051.703+/-765.235 χ²/NDF:29.4/20
Right Out: 530.662+/-767.947 χ²/NDF: 18.0/18
Left In: 989.585+/-2418.071 χ²/NDF:10.8/18
Left: -865.878+/-729.573 χ²/NDF: 40.9/39
Right: 370.358+/-727.649 χ²/NDF: 33.8/34
In: -85.407+/-1657.395 χ²/NDF:26.6/34
Out: -263.320+/-542.059 χ²/NDF:49.6/39
All: -246.128+/-515.205 χ²/NDF: 76.1/74



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1601.158+/-0.541 χ^2/NDF:24167983.3/20

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9342.626+/-1.710 χ^2/NDF:1023648.2/18

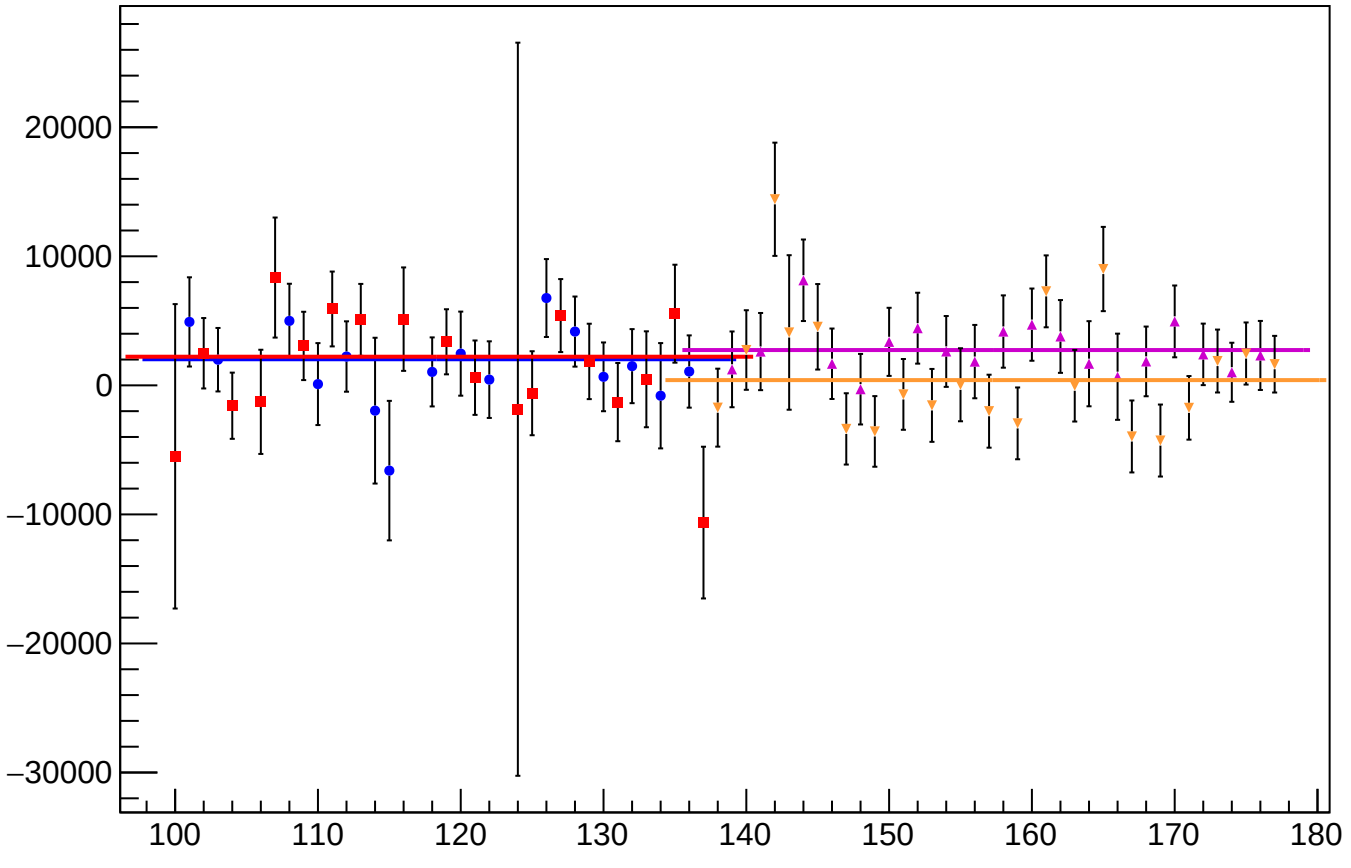
Left: 2305.889+/-0.516 χ^2/NDF: 43824794.3/39

Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 7546.849+/-1.172 χ^2/NDF:3793242.4/34

Out: 1294.191+/-0.383 χ^2/NDF:36226767.0/39

All: 1898.379+/-0.364 χ^2/NDF: 65734228.3/7



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 406.334+/-618.901 χ^2/NDF:40.5/20

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 2735.812+/-636.986 χ^2/NDF:7.9/18

Left: 1537.537+/-443.885 χ^2/NDF: 55.3/39

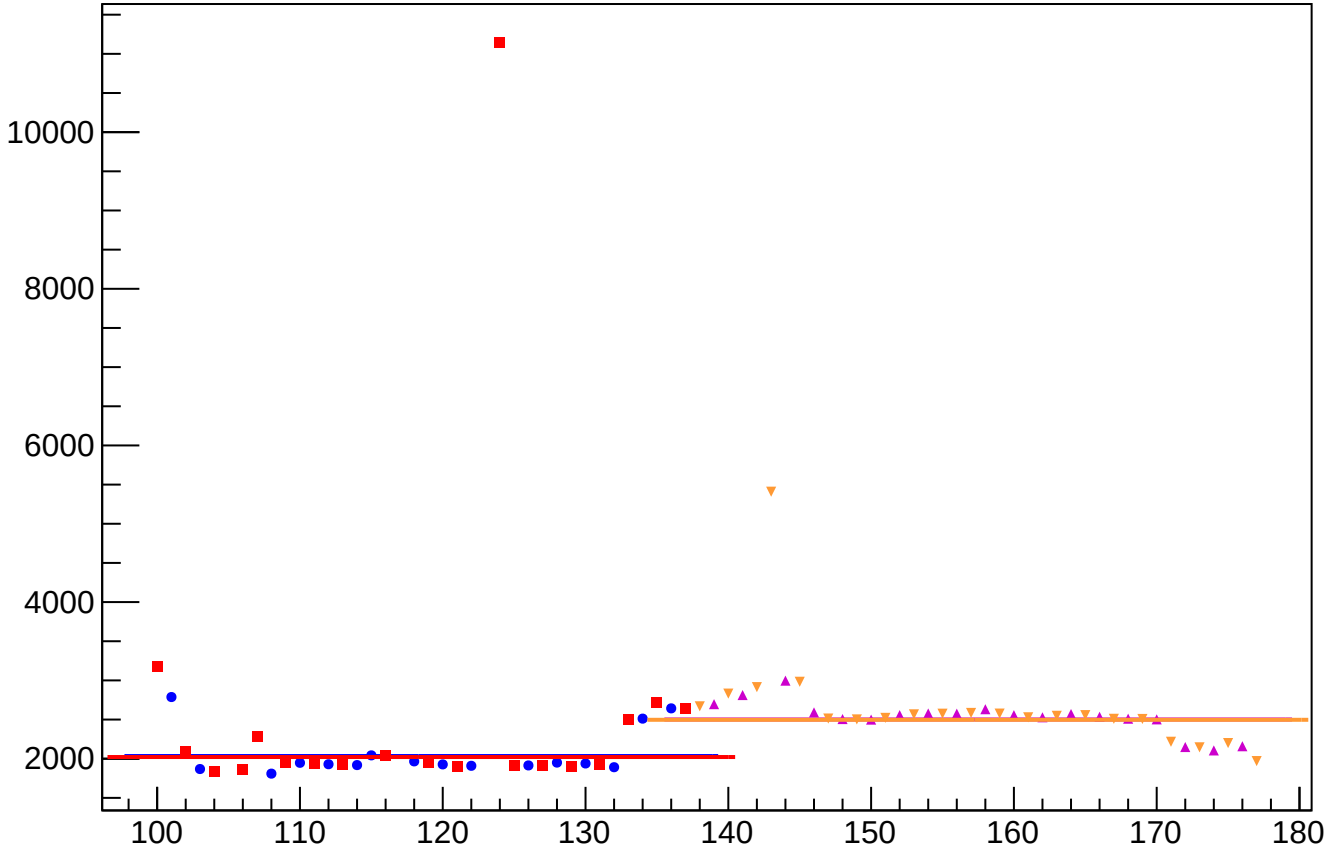
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2443.589+/-489.339 χ^2/NDF:18.0/34

Out: 1133.567+/-478.930 χ^2/NDF:62.1/39

All: 1774.497+/-342.276 χ^2/NDF: 83.8/74

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2496.899+/-0.438 χ^2/NDF:785807.2/20

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2501.048+/-0.450 χ^2/NDF:228202.3/18

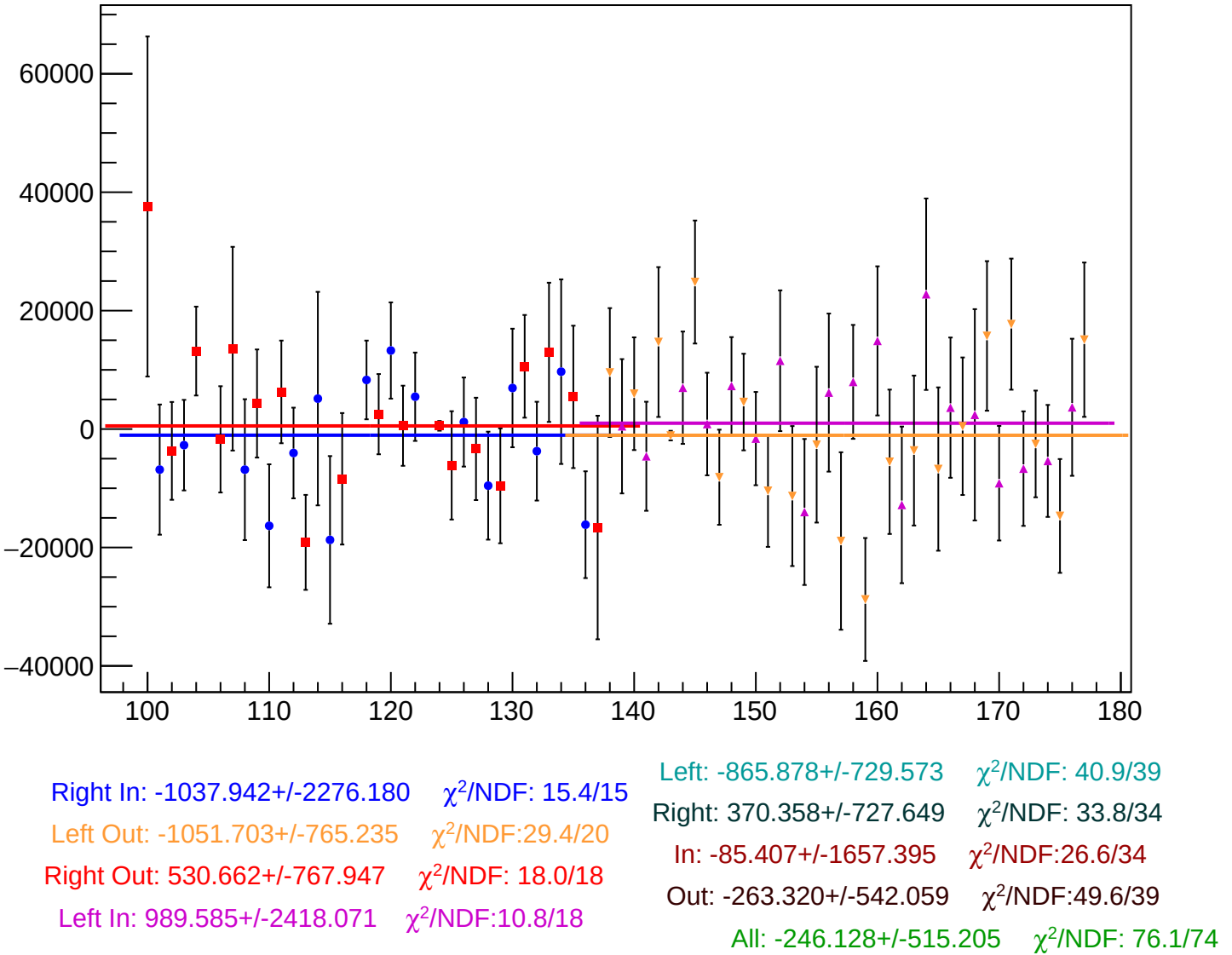
Left: 2498.914+/-0.314 χ^2/NDF: 1014053.2/39

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2309.692+/-0.346 χ^2/NDF:931541.8/34

Out: 2306.208+/-0.339 χ^2/NDF:1649416.7/39

All: 2307.913+/-0.242 χ^2/NDF: 2581010.3/74


asym_atl2_eigen_cor_correction_mean vs Slug, Sign Corrected
60000
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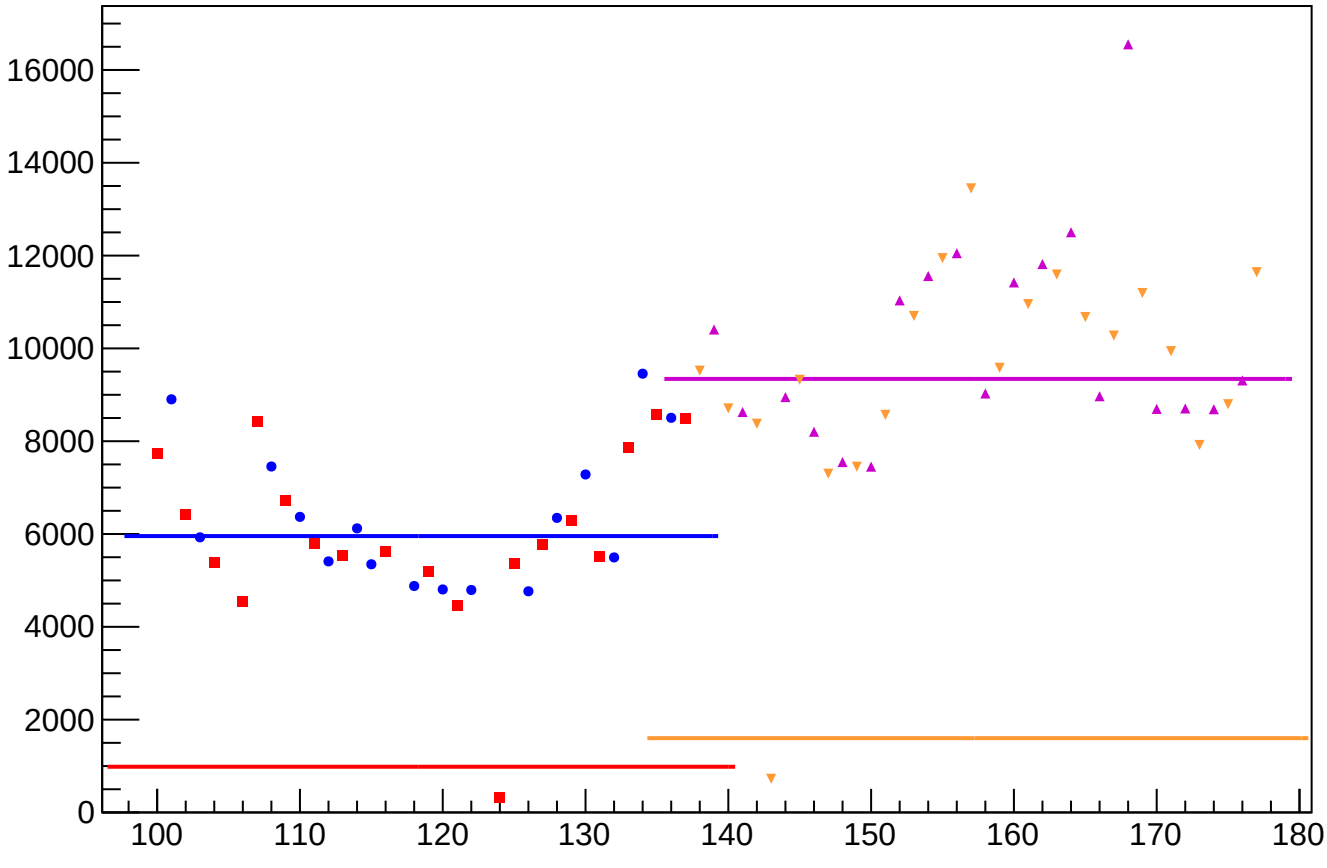
160
170
180
Right In: -1037.942+/-2276.180 χ²/NDF: 15.4/15
Left Out: -1051.703+/-765.235 χ²/NDF:29.4/20
Right Out: 530.662+/-767.947 χ²/NDF: 18.0/18
Left In: 989.585+/-2418.071 χ²/NDF:10.8/18
Left: -865.878+/-729.573 χ²/NDF: 40.9/39
Right: 370.358+/-727.649 χ²/NDF: 33.8/34
In: -85.407+/-1657.395 χ²/NDF:26.6/34
Out: -263.320+/-542.059 χ²/NDF:49.6/39
All: -246.128+/-515.205 χ²/NDF: 76.1/74



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1601.158+/-0.541 χ^2/NDF:24167983.3/20

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9342.626+/-1.710 χ^2/NDF:1023648.2/18

Left: 2305.889+/-0.516 χ^2/NDF: 43824794.3/39

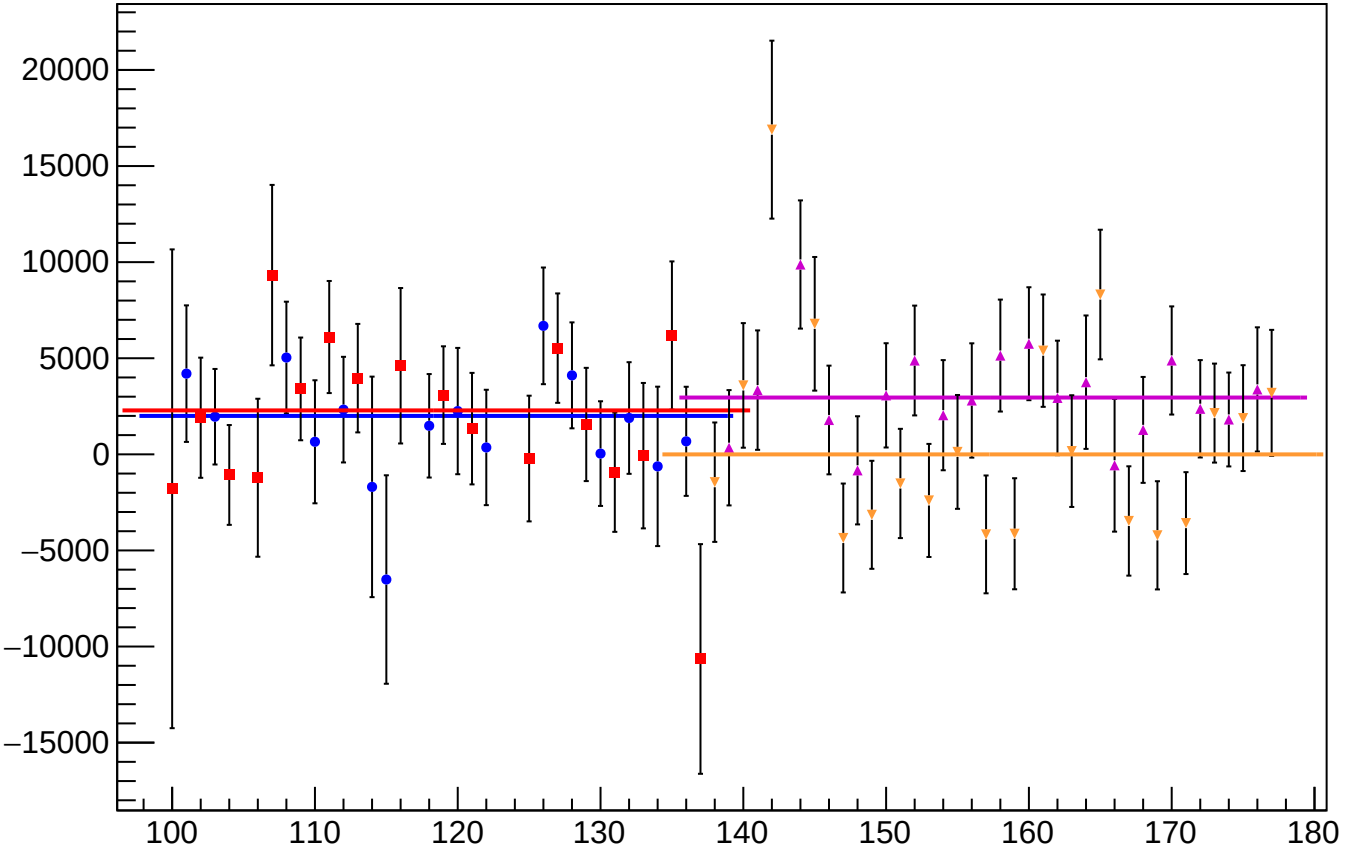
Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 7546.849+/-1.172 χ^2/NDF:3793242.4/34

Out: 1294.191+/-0.383 χ^2/NDF:36226767.0/39

All: 1898.379+/-0.364 χ^2/NDF: 65734228.3/7

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: -2.512+/-666.666 χ^2/NDF:44.2/19

Right Out: 2285.899+/-771.299 χ^2/NDF: 16.7/17

Left In: 2955.165+/-668.161 χ^2/NDF:11.3/18

Left: 1473.015+/-471.932 χ^2/NDF: 65.3/38

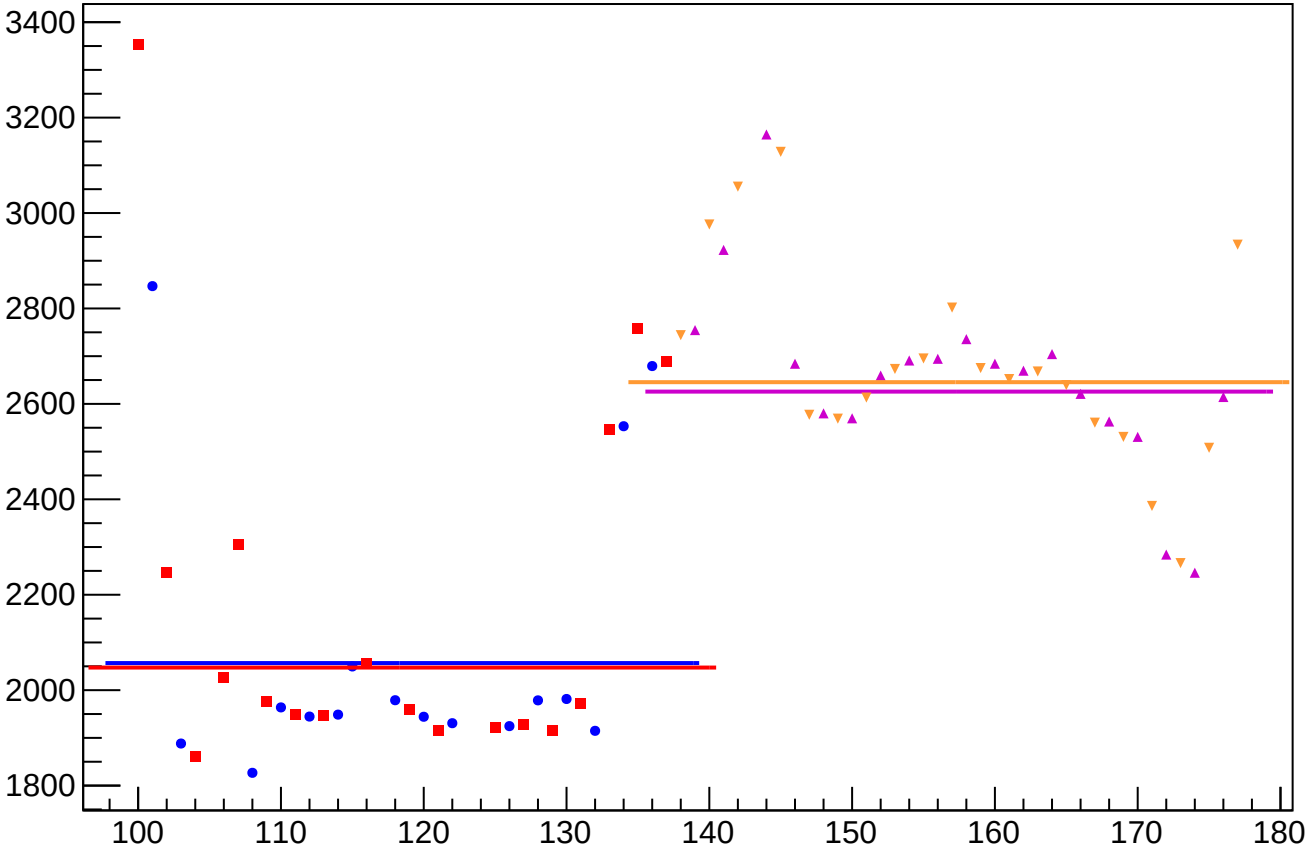
Right: 2142.972+/-546.180 χ^2/NDF: 25.7/33

In: 2546.690+/-505.645 χ^2/NDF:21.2/34

Out: 976.056+/-504.372 χ^2/NDF:65.9/37

All: 1759.394+/-357.094 χ^2/NDF: 91.9/72

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2645.530+/-0.471 χ^2/NDF:174263.2/19

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

Left In: 2625.737+/-0.472 χ^2/NDF:171909.0/18

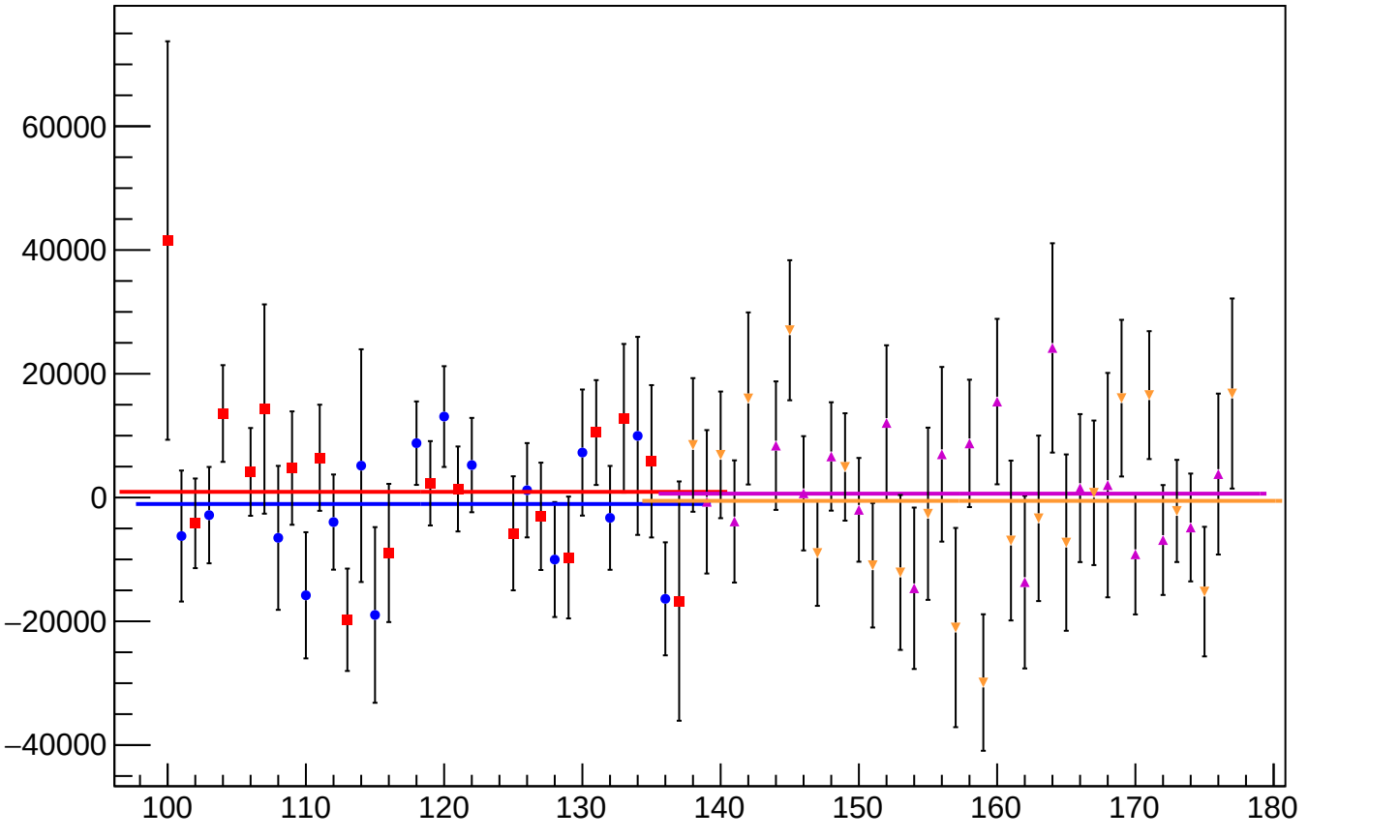
Left: 2635.656+/-0.334 χ^2/NDF: 347051.6/38

Right: 2052.077+/-0.386 χ^2/NDF: 467125.7/33

In: 2382.631+/-0.358 χ^2/NDF:1061994.1/34

Out: 2389.316+/-0.356 χ^2/NDF:1060408.2/37

All: 2385.984+/-0.252 χ^2/NDF: 2122577.6/72



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: -536.493+/-2506.915 χ^2/NDF:28.9/19

Right Out: 919.663+/-2150.895 χ^2/NDF: 18.4/17

Left In: 627.475+/-2505.945 χ^2/NDF:10.8/18

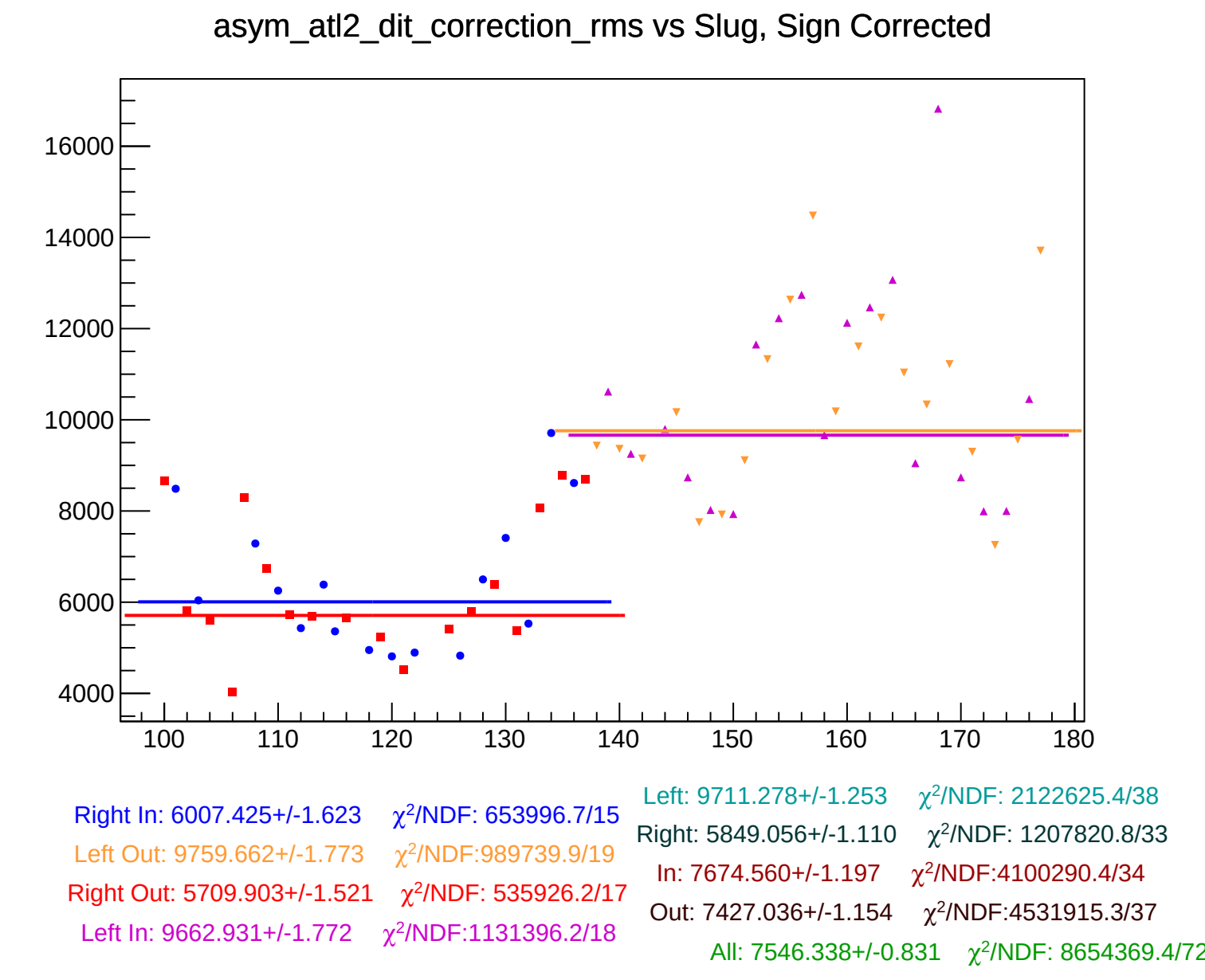
Left: 45.716+/-1772.314 χ^2/NDF: 39.8/38

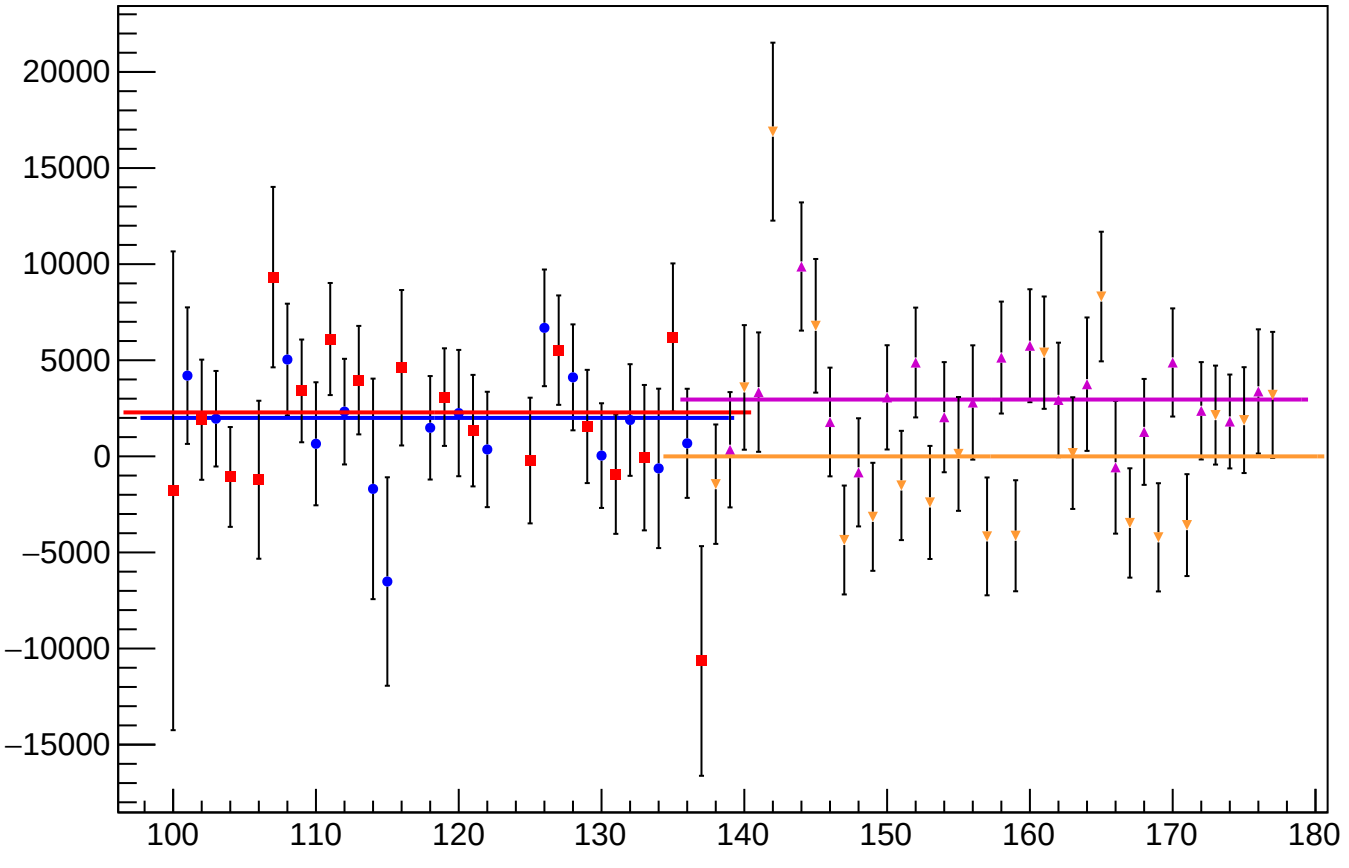
Right: 1.940+/-1569.260 χ^2/NDF: 34.1/33

In: -280.897+/-1692.323 χ^2/NDF:26.4/34

Out: 302.240+/-1632.402 χ^2/NDF:47.4/37

All: 21.178+/-1174.895 χ^2/NDF: 73.8/72


asym_atl2_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: 6007.425+/-1.623 χ²/NDF: 653996.7/15
Left Out: 9759.662+/-1.773 χ²/NDF:989739.9/19
Right Out: 5709.903+/-1.521 χ²/NDF: 535926.2/17
Left In: 9662.931+/-1.772 χ²/NDF:1131396.2/18
Left: 9711.278+/-1.253 χ²/NDF: 2122625.4/38
Right: 5849.056+/-1.110 χ²/NDF: 1207820.8/33
In: 7674.560+/-1.197 χ²/NDF:4100290.4/34
Out: 7427.036+/-1.154 χ²/NDF:4531915.3/37
All: 7546.338+/-0.831 χ²/NDF: 8654369.4/72



Right In: 1999.218+/-773.538 χ^2/NDF: 9.0/15

Left Out: -2.519+/-666.667 χ^2/NDF:44.2/19

Right Out: 2285.903+/-771.299 χ^2/NDF: 16.7/17

Left In: 2955.164+/-668.161 χ^2/NDF:11.3/18

Left: 1473.012+/-471.932 χ^2/NDF: 65.3/38

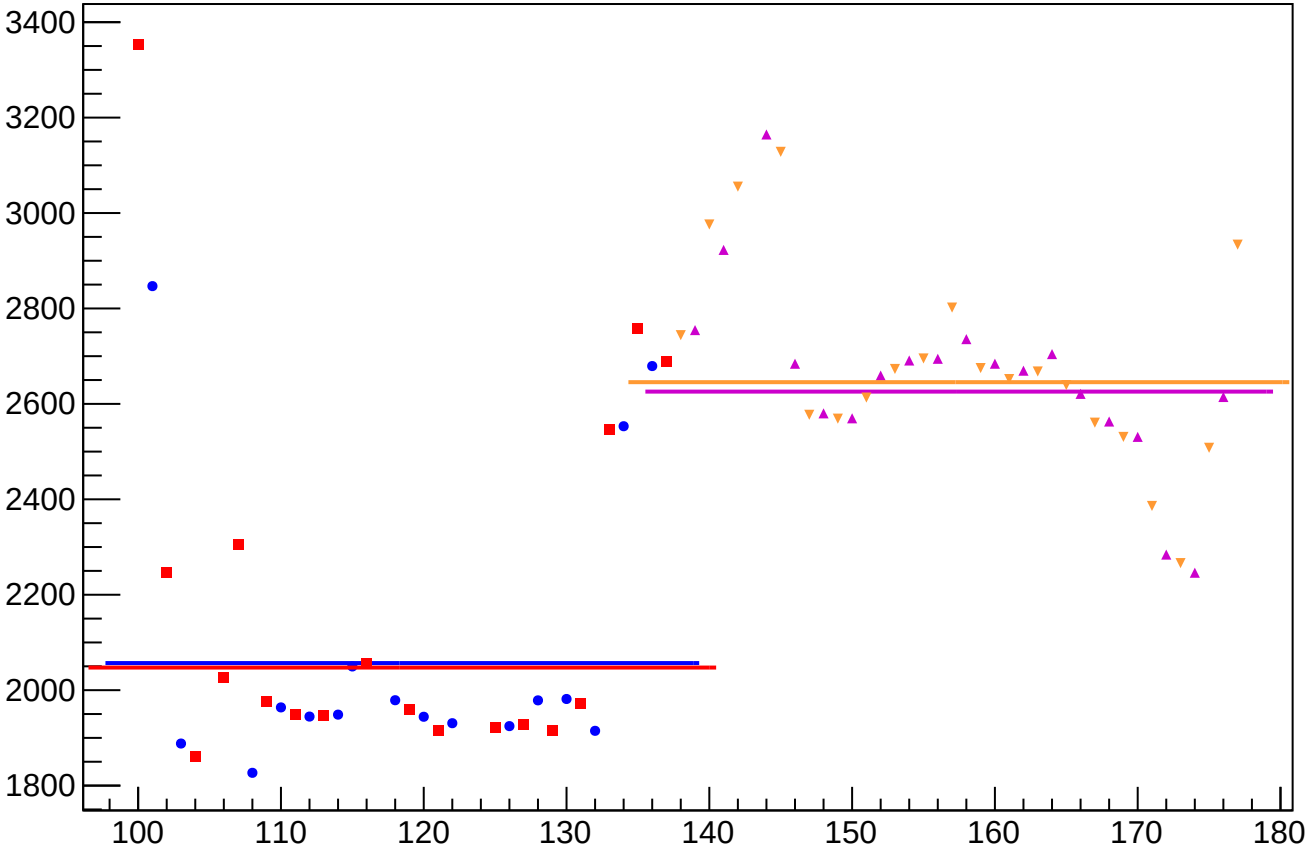
Right: 2142.976+/-546.180 χ^2/NDF: 25.7/33

In: 2546.692+/-505.645 χ^2/NDF:21.2/34

Out: 976.055+/-504.372 χ^2/NDF:65.9/37

All: 1759.394+/-357.094 χ^2/NDF: 91.9/72

eigen_dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2645.531+/-0.471 χ^2/NDF:174271.8/19

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

Left In: 2625.738+/-0.472 χ^2/NDF:171915.5/18

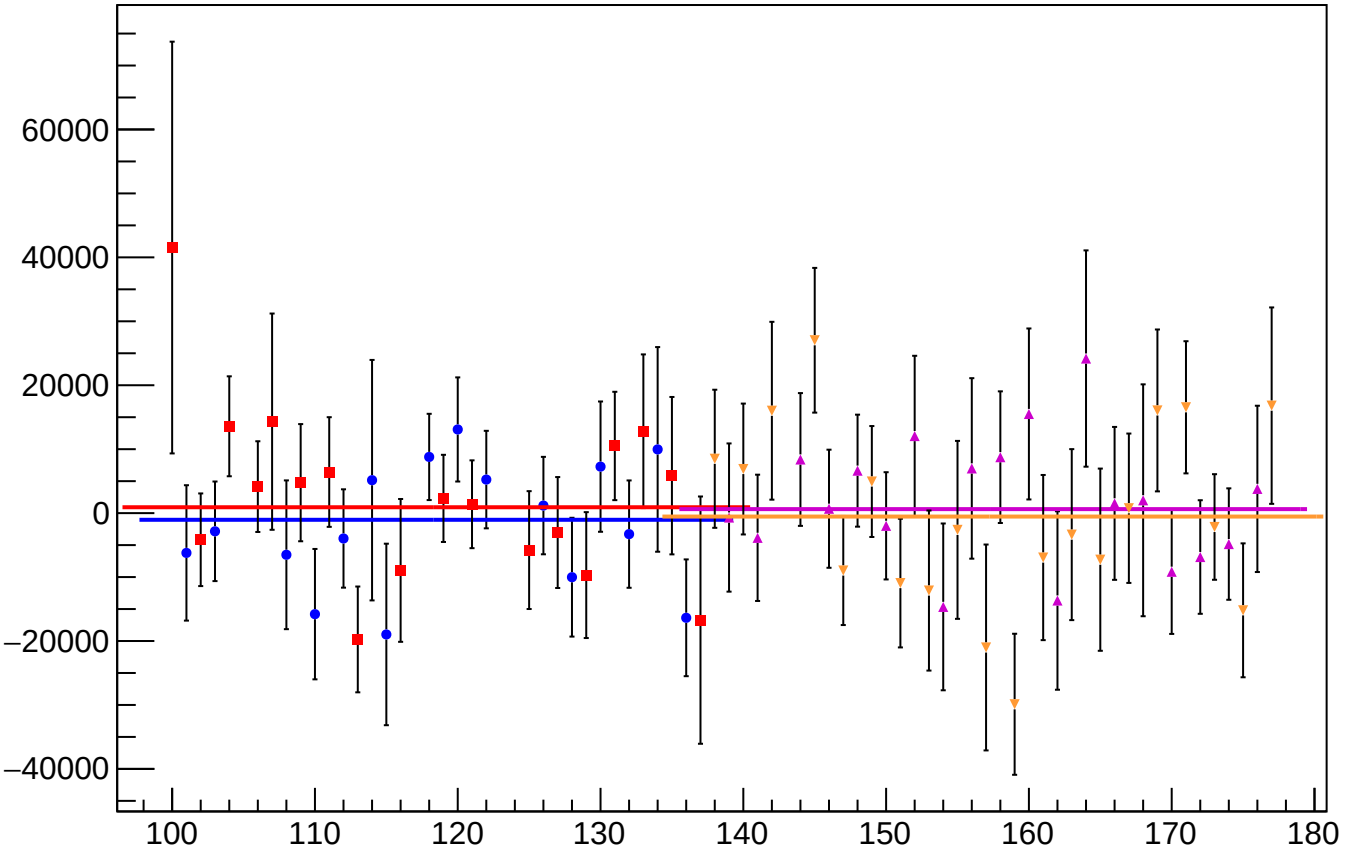
Left: 2635.657+/-0.334 χ^2/NDF: 347066.8/38

Right: 2052.077+/-0.386 χ^2/NDF: 467125.9/33

In: 2382.631+/-0.358 χ^2/NDF:1062002.2/34

Out: 2389.316+/-0.356 χ^2/NDF:1060420.1/37

All: 2385.984+/-0.252 χ^2/NDF: 2122597.6/72



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: -536.501+/-2506.919 χ^2/NDF:28.9/19

Right Out: 919.667+/-2150.889 χ^2/NDF: 18.4/17

Left In: 627.477+/-2505.949 χ^2/NDF:10.8/18

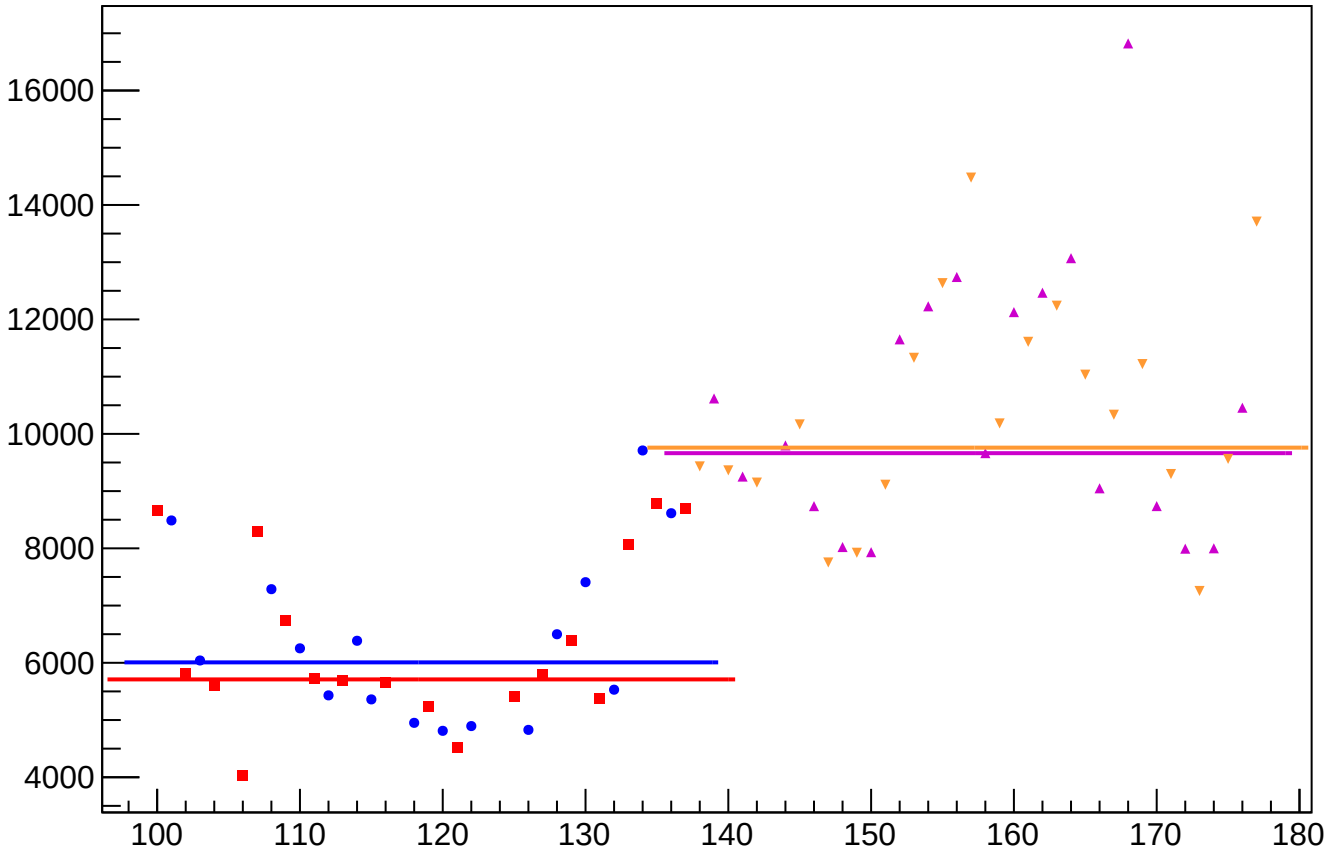
Left: 45.713+/-1772.317 χ^2/NDF: 39.8/38

Right: 1.948+/-1569.255 χ^2/NDF: 34.1/33

In: -280.894+/-1692.321 χ^2/NDF:26.4/34

Out: 302.242+/-1632.400 χ^2/NDF:47.4/37

All: 21.181+/-1174.894 χ^2/NDF: 73.8/72



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 9759.679+/-1.773 χ^2/NDF:989739.7/19

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

Left In: 9662.946+/-1.772 χ^2/NDF:1131396.6/18

Left: 9711.294+/-1.253 χ^2/NDF: 2122625.8/38

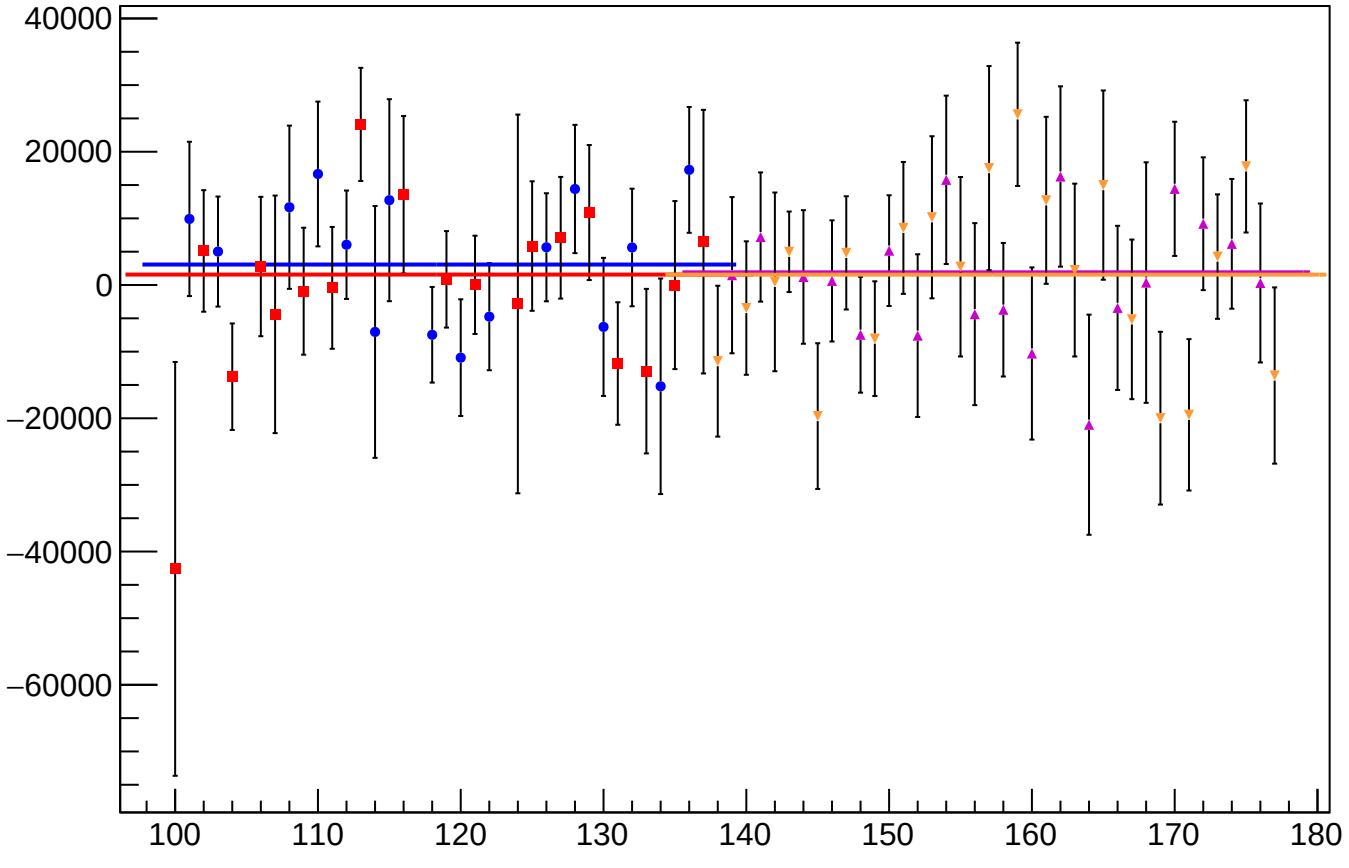
Right: 5849.037+/-1.110 χ^2/NDF: 1207832.6/33

In: 7674.548+/-1.197 χ^2/NDF:4100346.1/34

Out: 7427.025+/-1.154 χ^2/NDF:4531971.2/37

All: 7546.327+/-0.831 χ^2/NDF: 8654480.9/72

asym_atl2_mean vs Slug, Sign Corrected



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: 1556.625+/-2311.850 χ^2/NDF:26.4/20

Right Out: 1567.088+/-2335.884 χ^2/NDF: 19.2/18

Left In: 1903.857+/-2513.582 χ^2/NDF:10.4/18

Left: 1715.750+/-1701.580 χ^2/NDF: 36.8/39

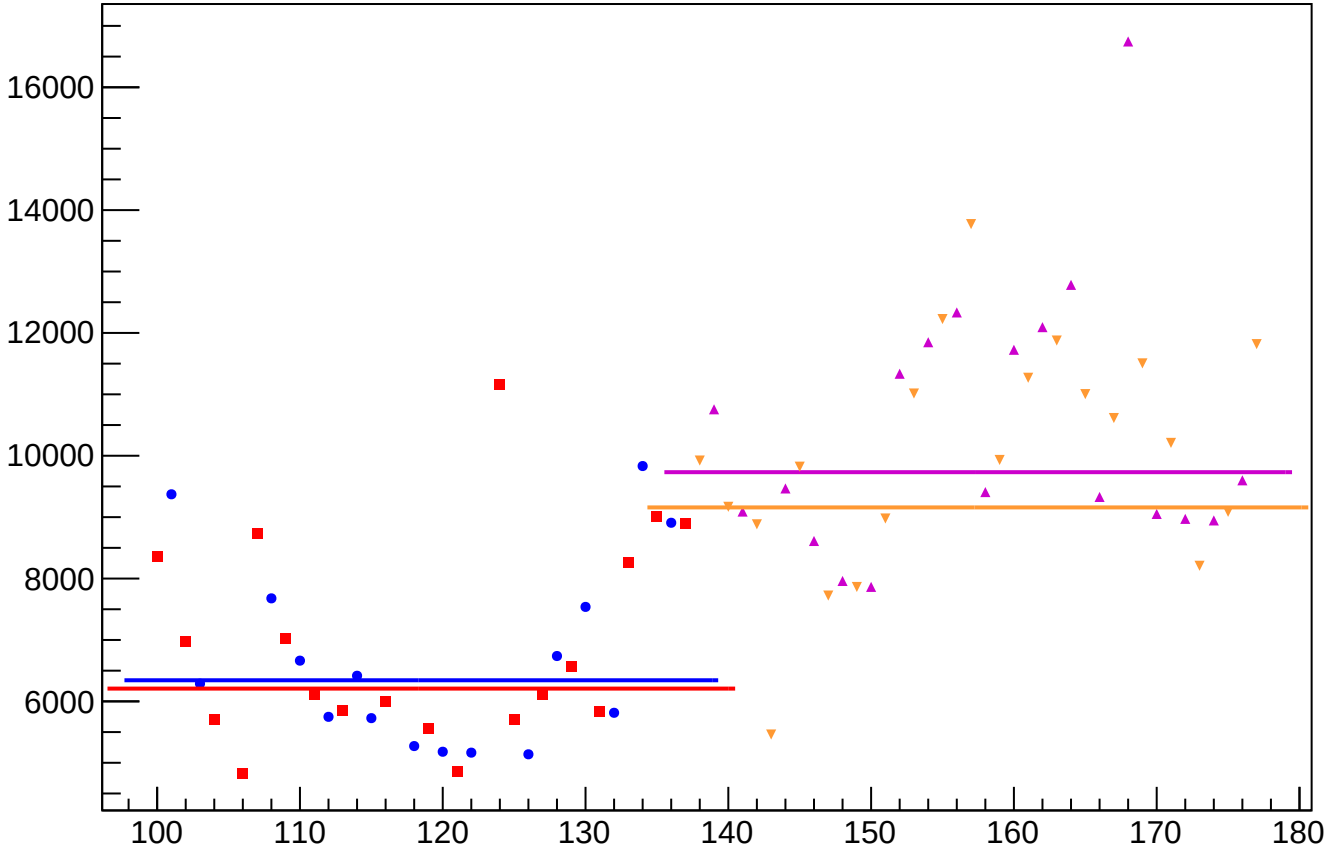
Right: 2291.888+/-1680.911 χ^2/NDF: 34.3/34

In: 2509.019+/-1743.613 χ^2/NDF:25.4/34

Out: 1561.802+/-1643.156 χ^2/NDF:45.6/39

All: 2007.339+/-1195.824 χ^2/NDF: 71.2/74

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 9158.557+/-1.635 χ^2/NDF:1603515.9/20

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

Left In: 9732.350+/-1.777 χ^2/NDF:920109.1/18

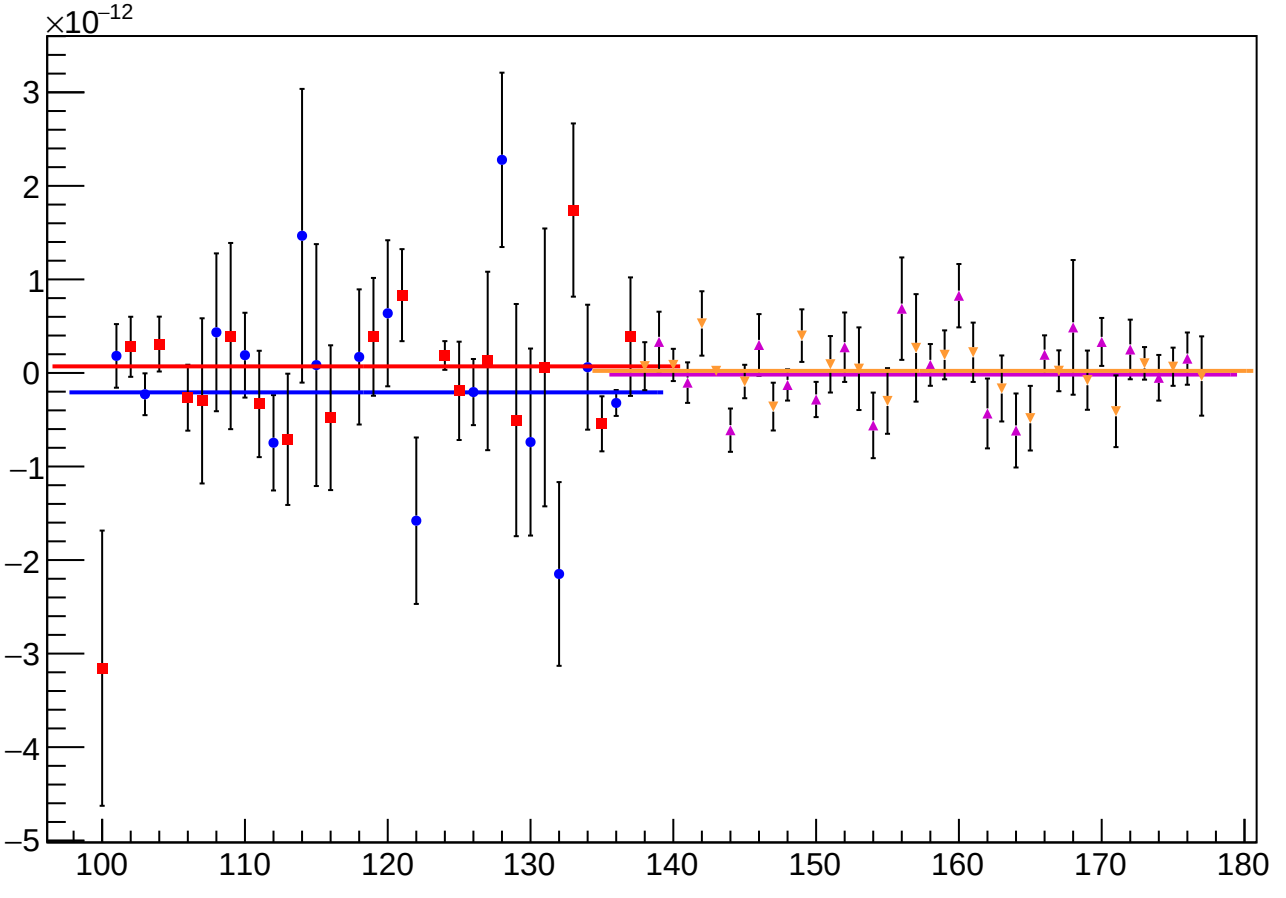
Left: 9421.507+/-1.203 χ^2/NDF: 2580084.9/39

Right: 6273.528+/-1.189 χ^2/NDF: 1096335.5/34

In: 7974.322+/-1.233 χ^2/NDF:3427099.0/34

Out: 7698.580+/-1.162 χ^2/NDF:3687285.4/39

All: 7828.279+/-0.846 χ^2/NDF: 7140876.4/74



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: -0.000+/-0.000 χ^2/NDF:30.4/18

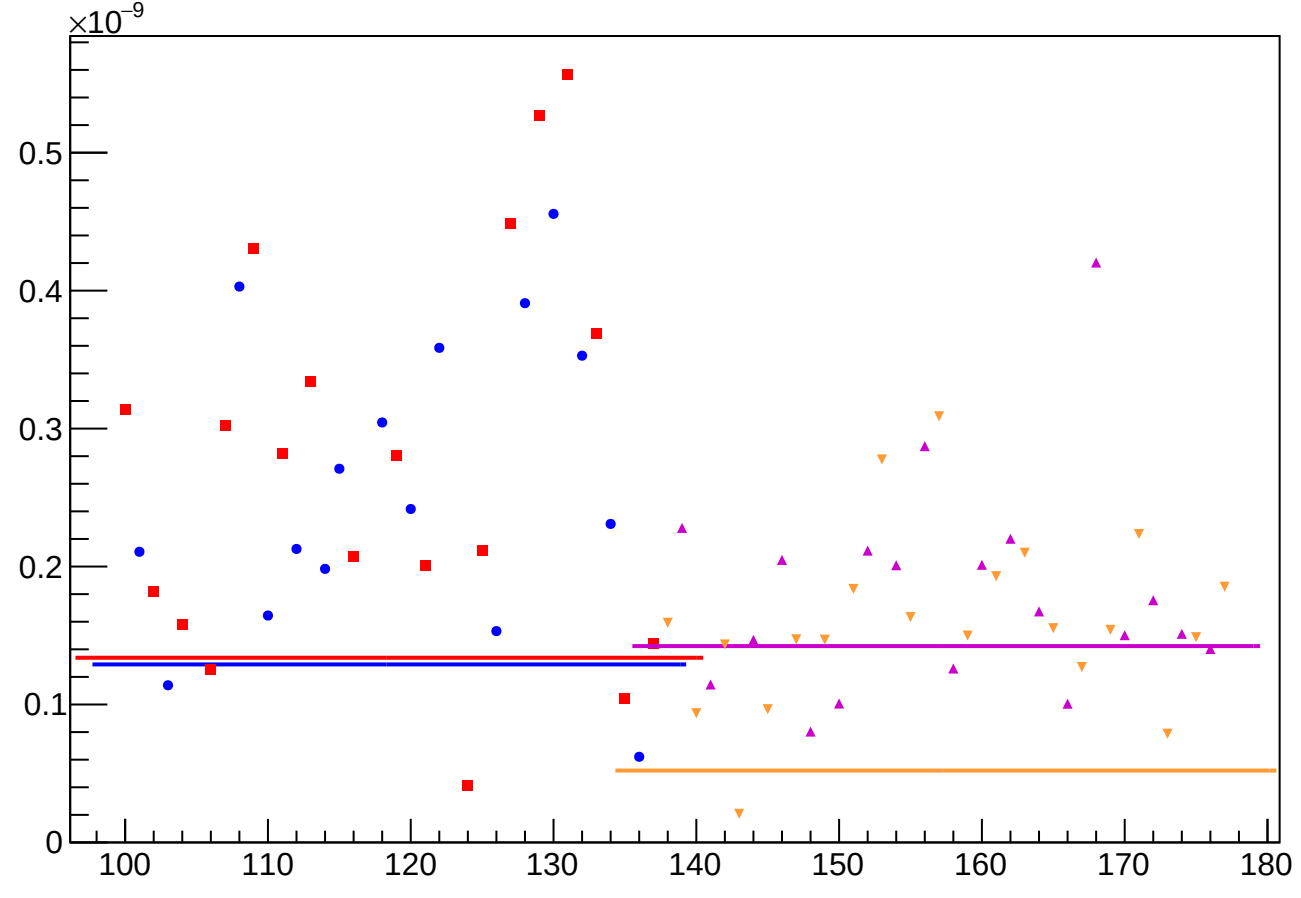
Left: 0.000+/-0.000 χ^2/NDF: 43.5/39

Right: -0.000+/-0.000 χ^2/NDF: 46.0/34

In: -0.000+/-0.000 χ^2/NDF:54.2/34

Out: 0.000+/-0.000 χ^2/NDF:33.9/39

All: 0.000+/-0.000 χ^2/NDF: 90.9/74



Right In: 0.000+/-0.000 χ^2/NDF: 1720321.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:7082695.6/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1457624.3/18

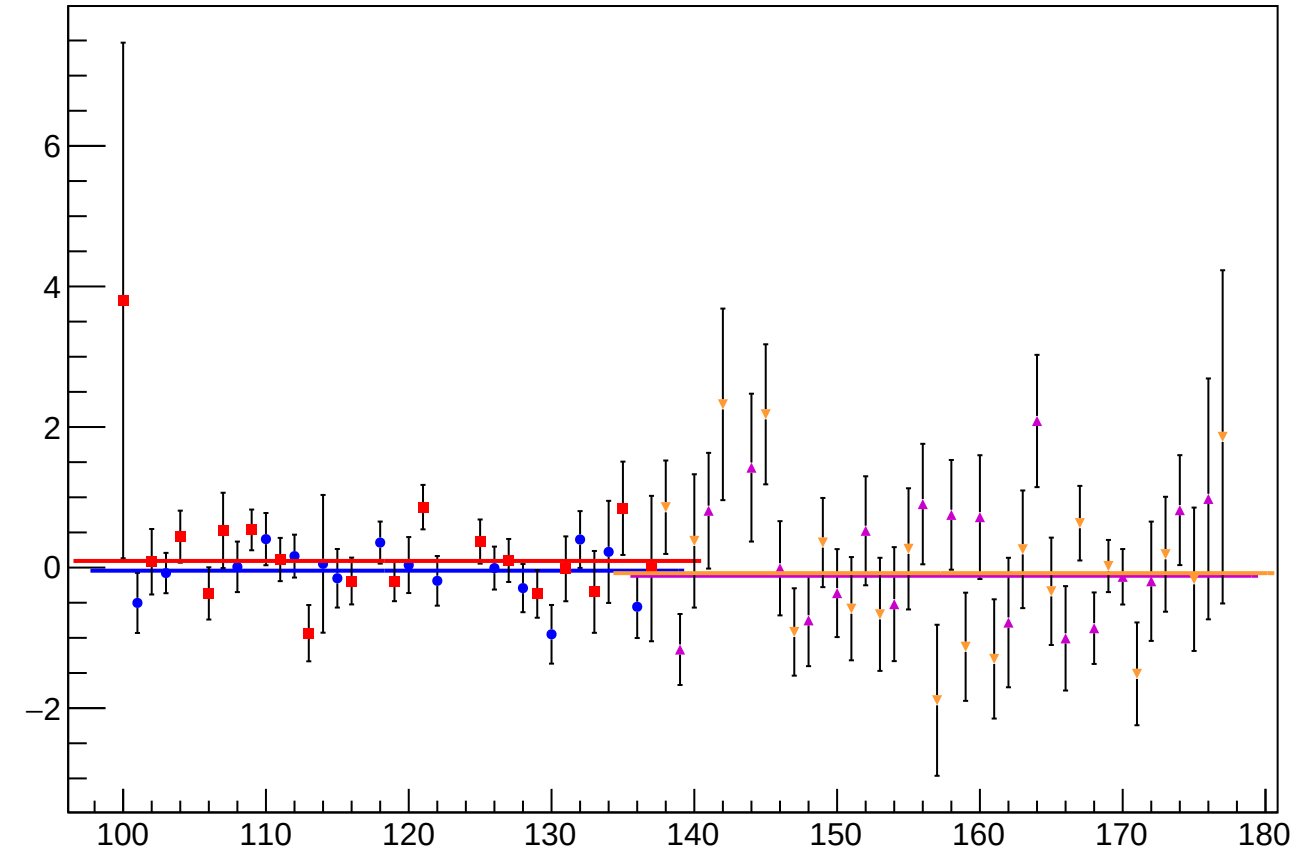
Left: 0.000+/-0.000 χ^2/NDF: 11989395.4/39

Right: 0.000+/-0.000 χ^2/NDF: 4027379.9/34

In: 0.000+/-0.000 χ^2/NDF:3205424.8/34

Out: 0.000+/-0.000 χ^2/NDF:10711794.9/39

All: 0.000+/-0.000 χ^2/NDF: 17444979.5/74



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.079+/-0.164 χ^2/NDF:27.5/19

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.117+/-0.161 χ^2/NDF:24.8/18

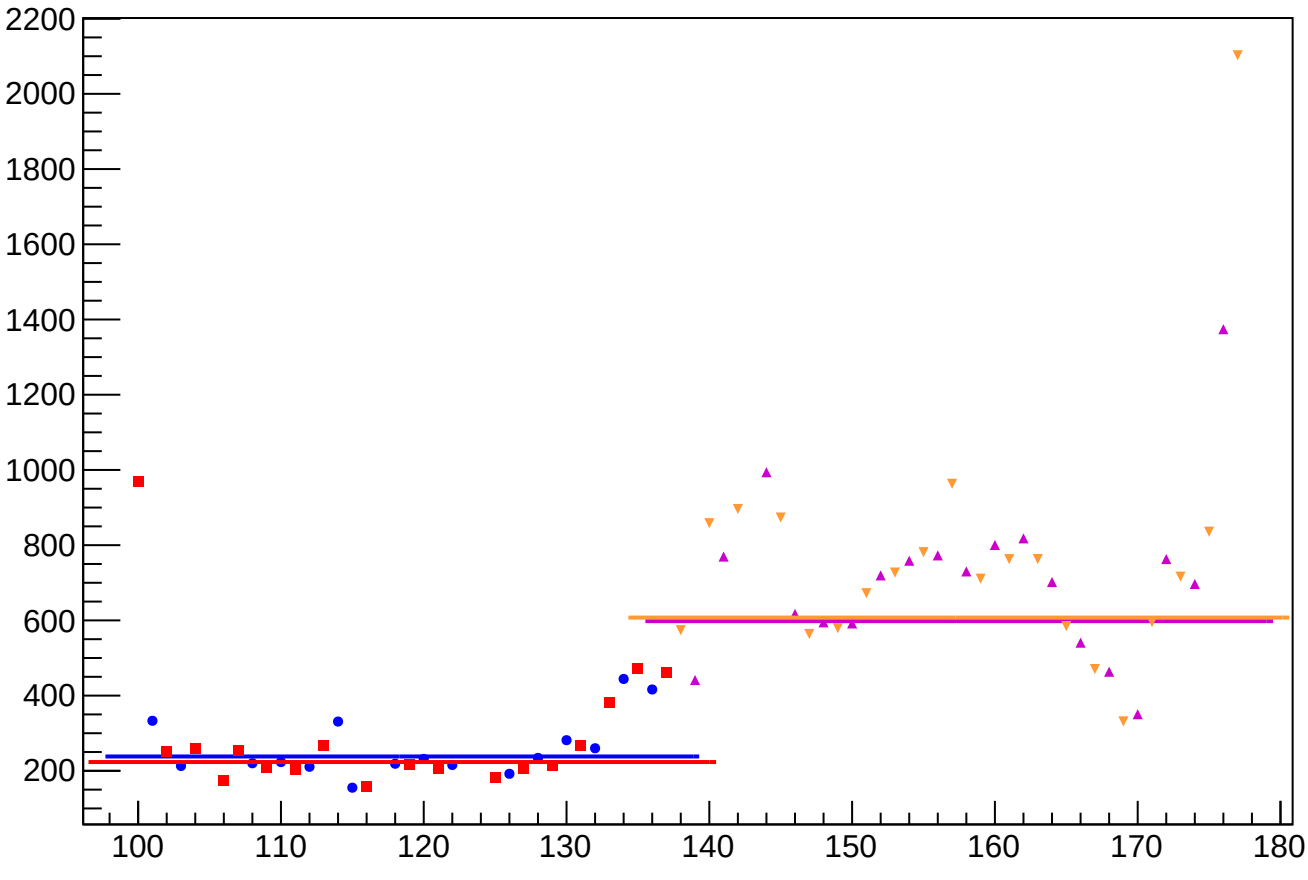
Left: -0.098+/-0.115 χ^2/NDF: 52.2/38

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.062+/-0.081 χ^2/NDF:38.0/34

Out: 0.054+/-0.079 χ^2/NDF:53.6/37

All: -0.003+/-0.057 χ^2/NDF: 92.6/72



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 607.460+/-0.116 χ^2/NDF:3096338.5/19

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 598.048+/-0.114 χ^2/NDF:2532253.3/18

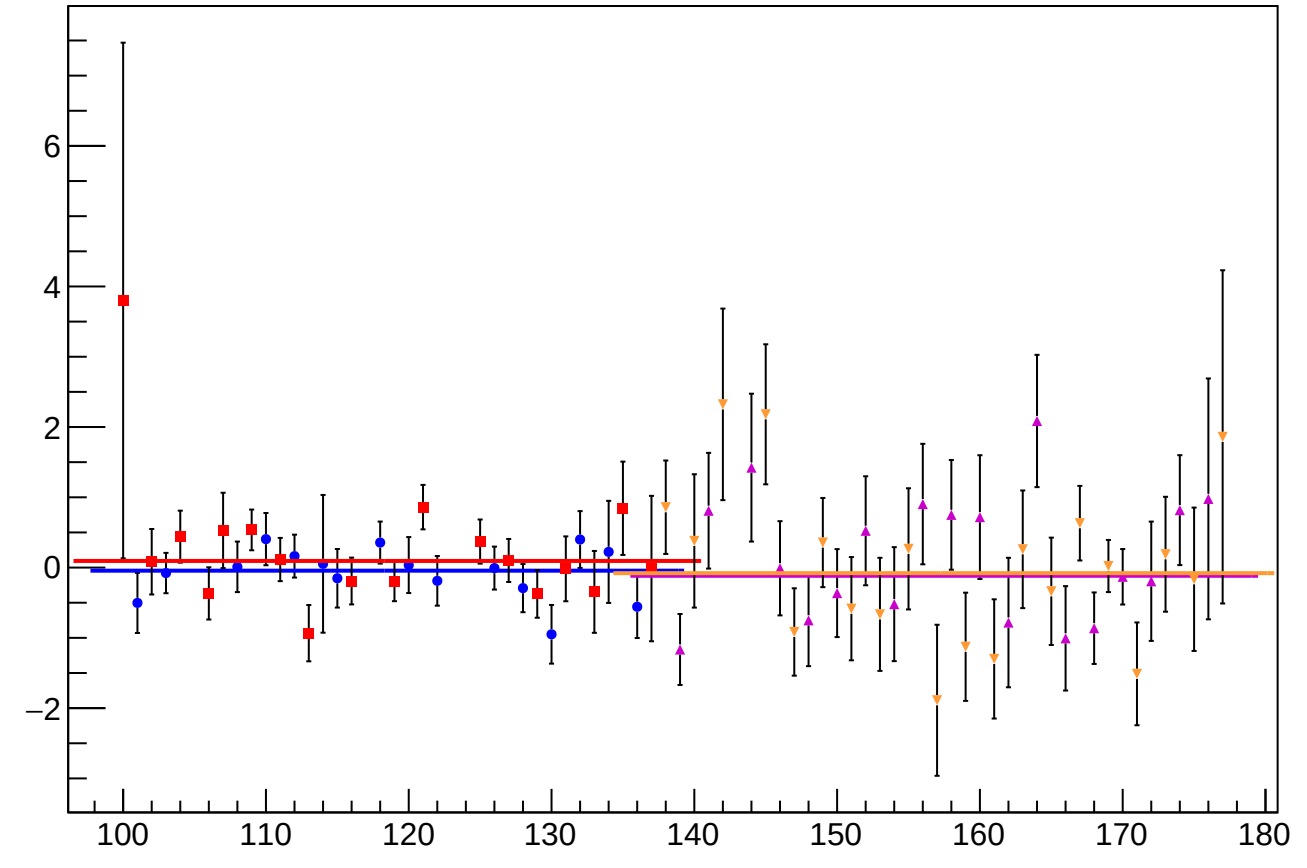
Left: 602.658+/-0.081 χ^2/NDF: 5631948.1/38

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 329.524+/-0.057 χ^2/NDF:10813326.6/34

Out: 312.250+/-0.056 χ^2/NDF:12379381.8/37

All: 320.662+/-0.040 χ^2/NDF: 23239344.6/72



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.079+/-0.164 χ^2/NDF:27.5/19

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.117+/-0.161 χ^2/NDF:24.8/18

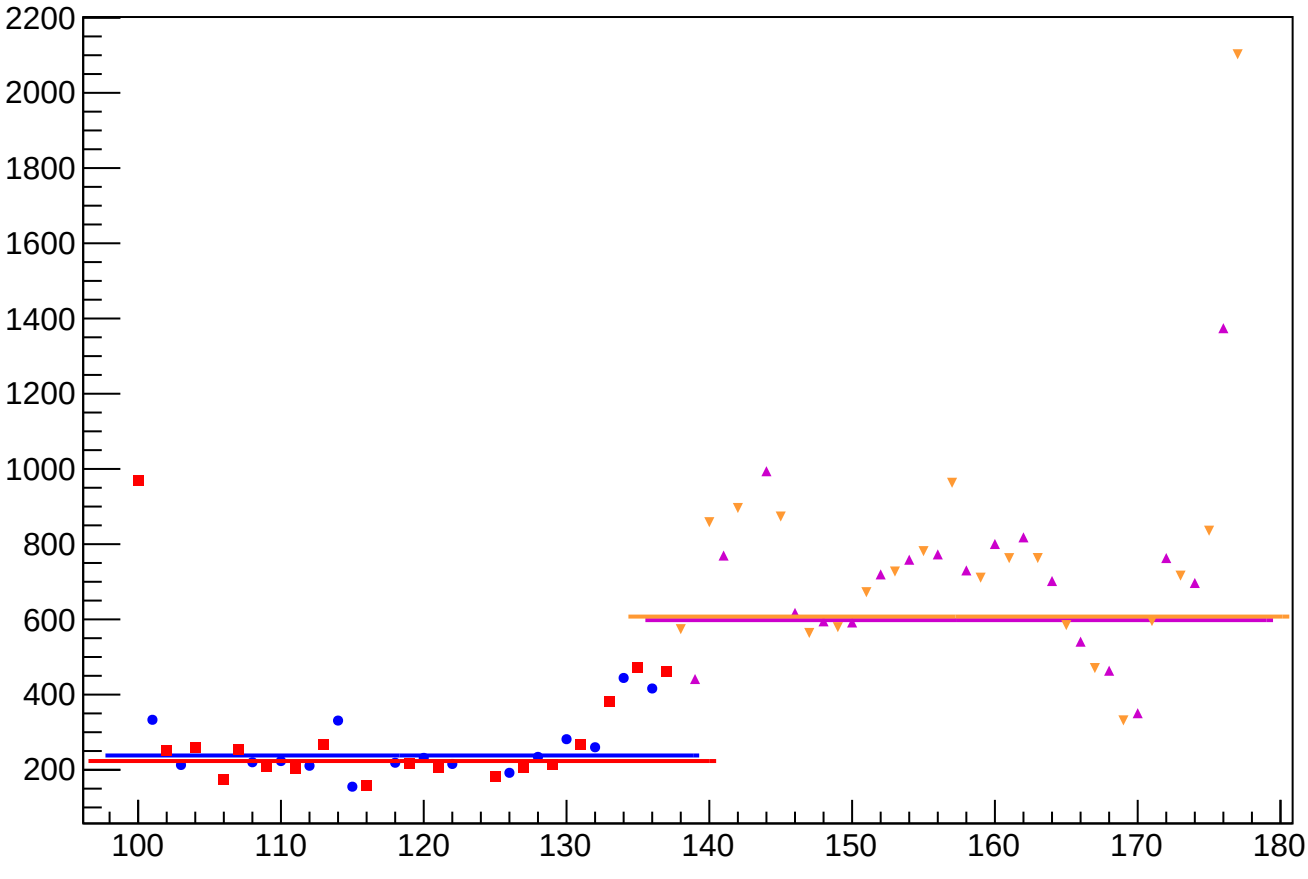
Left: -0.098+/-0.115 χ^2/NDF: 52.2/38

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.062+/-0.081 χ^2/NDF:38.0/34

Out: 0.054+/-0.079 χ^2/NDF:53.6/37

All: -0.003+/-0.057 χ^2/NDF: 92.6/72



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 607.460+/-0.116 χ^2/NDF:3096338.5/19

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 598.048+/-0.114 χ^2/NDF:2532253.3/18

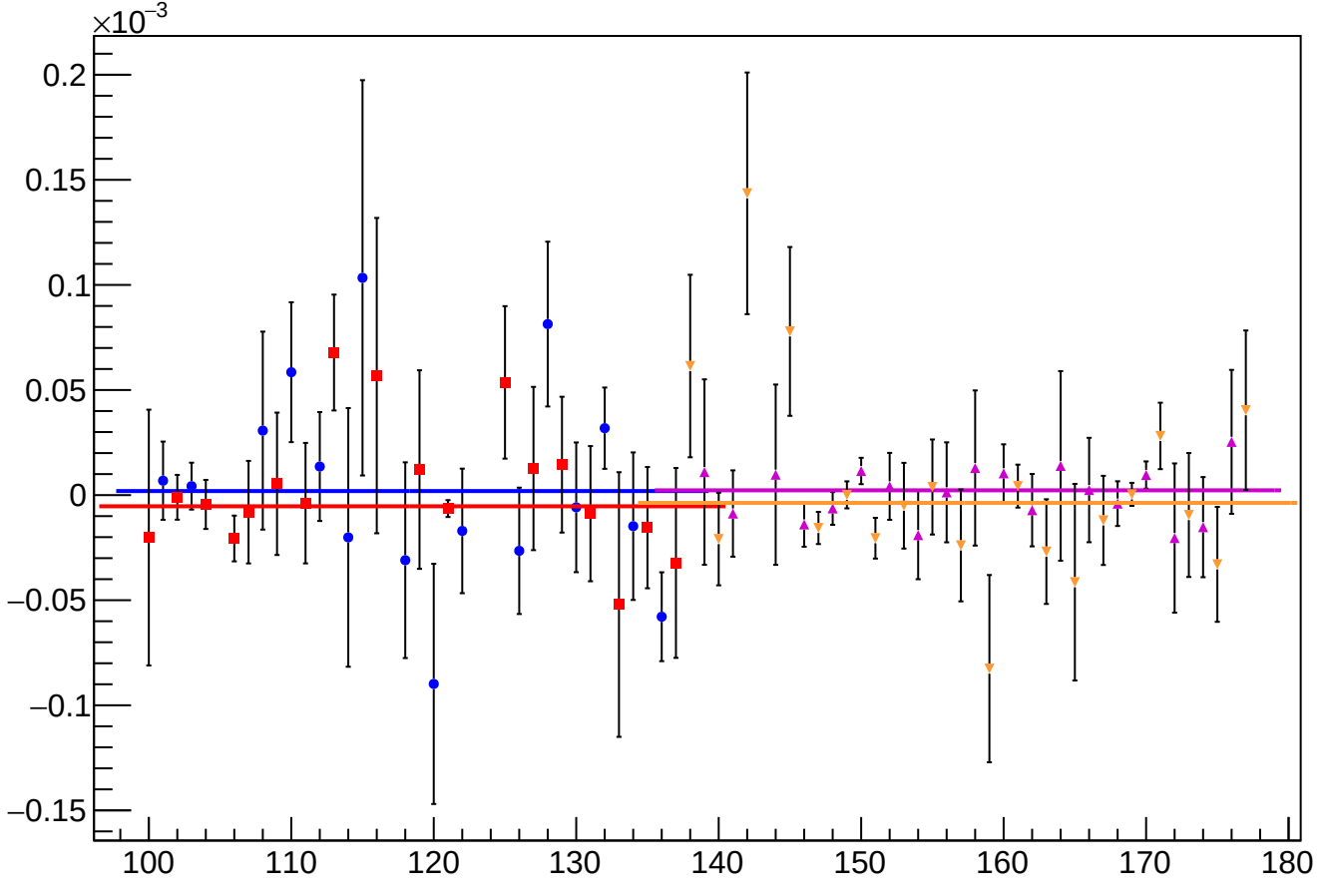
Left: 602.658+/-0.081 χ^2/NDF: 5631948.1/38

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 329.524+/-0.057 χ^2/NDF:10813326.6/34

Out: 312.250+/-0.056 χ^2/NDF:12379381.8/37

All: 320.662+/-0.040 χ^2/NDF: 23239344.6/72



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.6/19

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

Left In: 0.000+/-0.000 χ^2/NDF:10.9/18

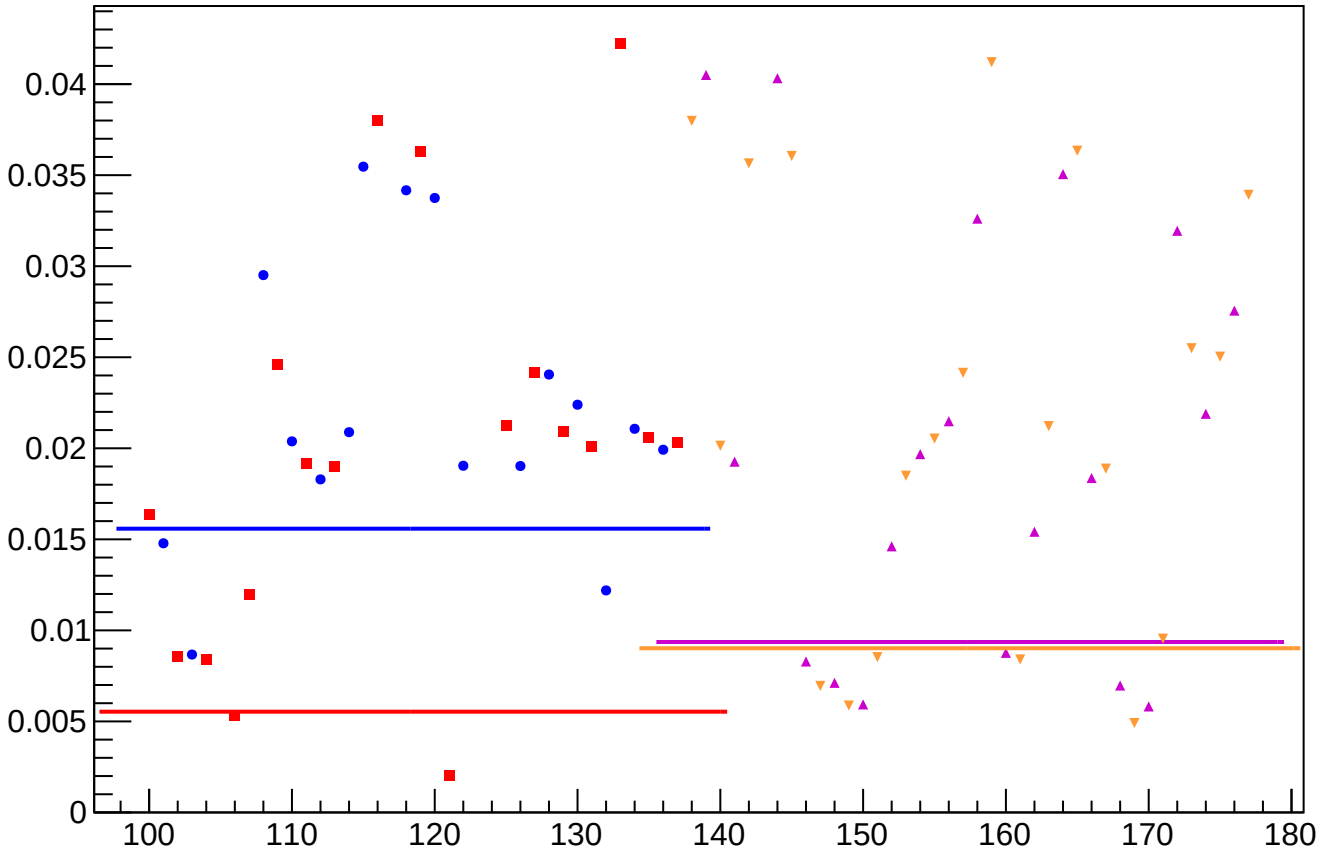
Left: -0.000+/-0.000 χ^2/NDF: 45.6/38

Right: -0.000+/-0.000 χ^2/NDF: 39.6/33

In: 0.000+/-0.000 χ^2/NDF:35.0/34

Out: -0.000+/-0.000 χ^2/NDF:47.3/37

All: -0.000+/-0.000 χ^2/NDF: 85.9/72



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.009+/-0.000 χ^2/NDF:10909404.0/19

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

Left In: 0.009+/-0.000 χ^2/NDF:9092025.3/18

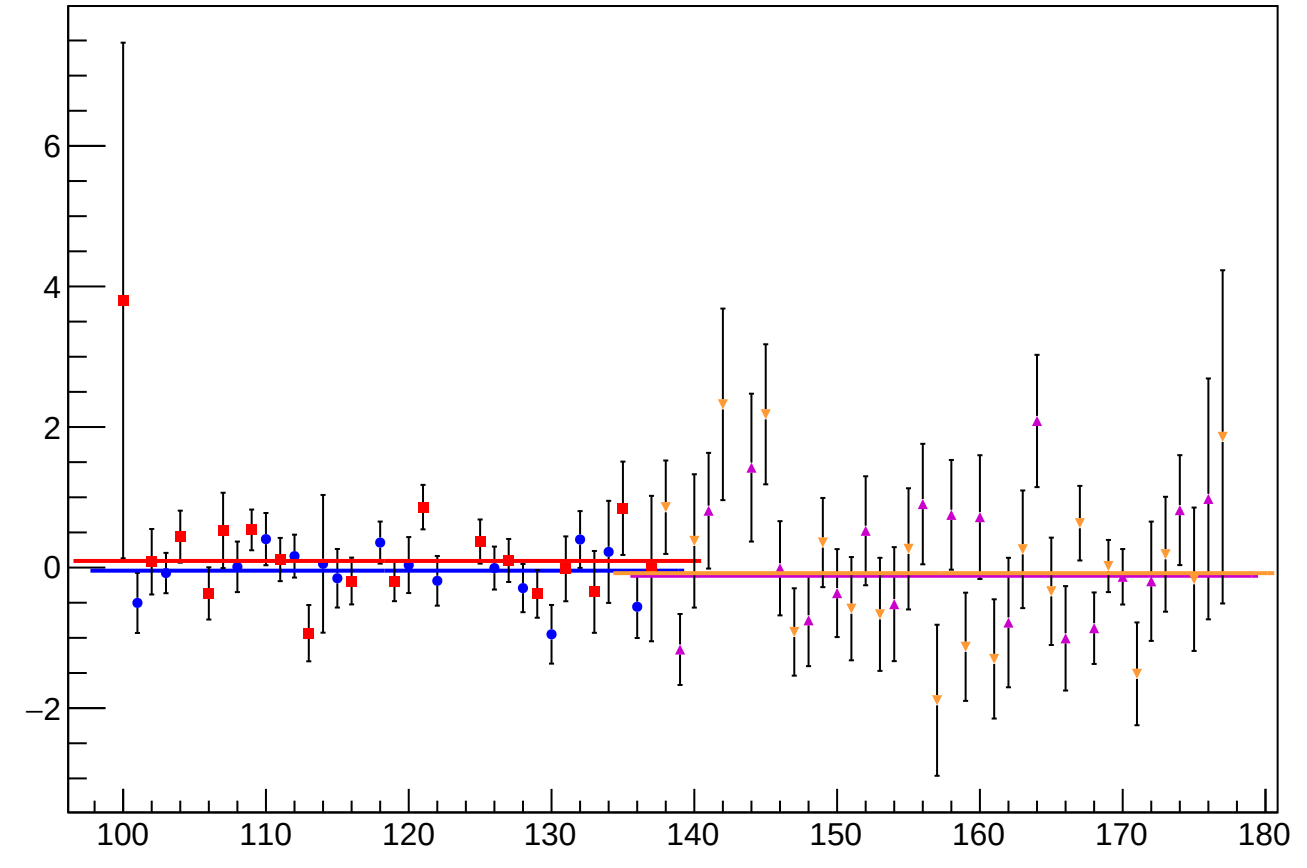
Left: 0.009+/-0.000 χ^2/NDF: 20014610.2/38

Right: 0.008+/-0.000 χ^2/NDF: 13999634.8/33

In: 0.011+/-0.000 χ^2/NDF:12723059.0/34

Out: 0.007+/-0.000 χ^2/NDF:20154074.2/37

All: 0.009+/-0.000 χ^2/NDF: 34436292.6/72



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.079+/-0.164 χ^2/NDF:27.5/19

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.117+/-0.161 χ^2/NDF:24.8/18

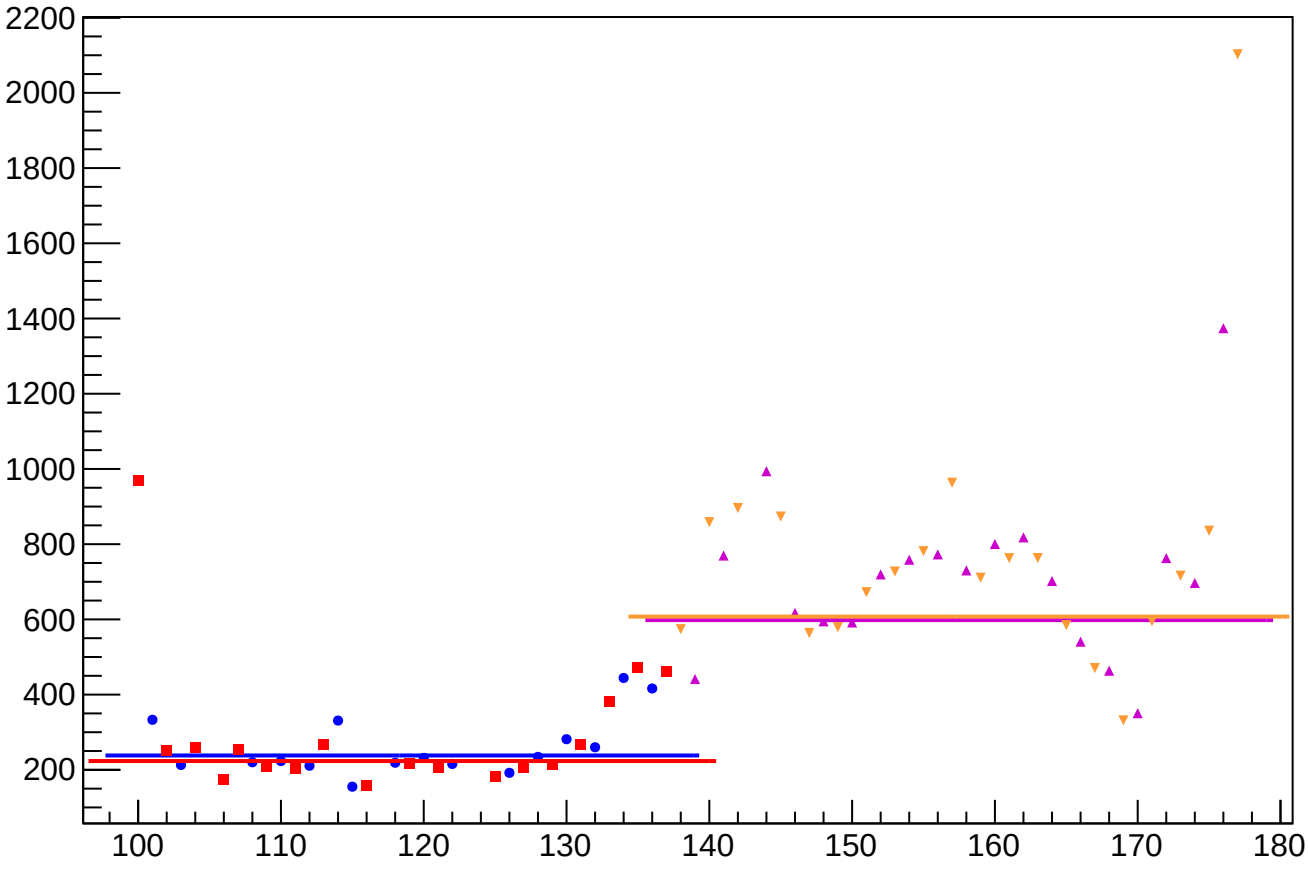
Left: -0.098+/-0.115 χ^2/NDF: 52.2/38

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.062+/-0.081 χ^2/NDF:38.0/34

Out: 0.054+/-0.079 χ^2/NDF:53.6/37

All: -0.003+/-0.057 χ^2/NDF: 92.6/72



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 607.463+/-0.116 χ^2/NDF:3096392.7/19

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 598.053+/-0.114 χ^2/NDF:2532231.4/18

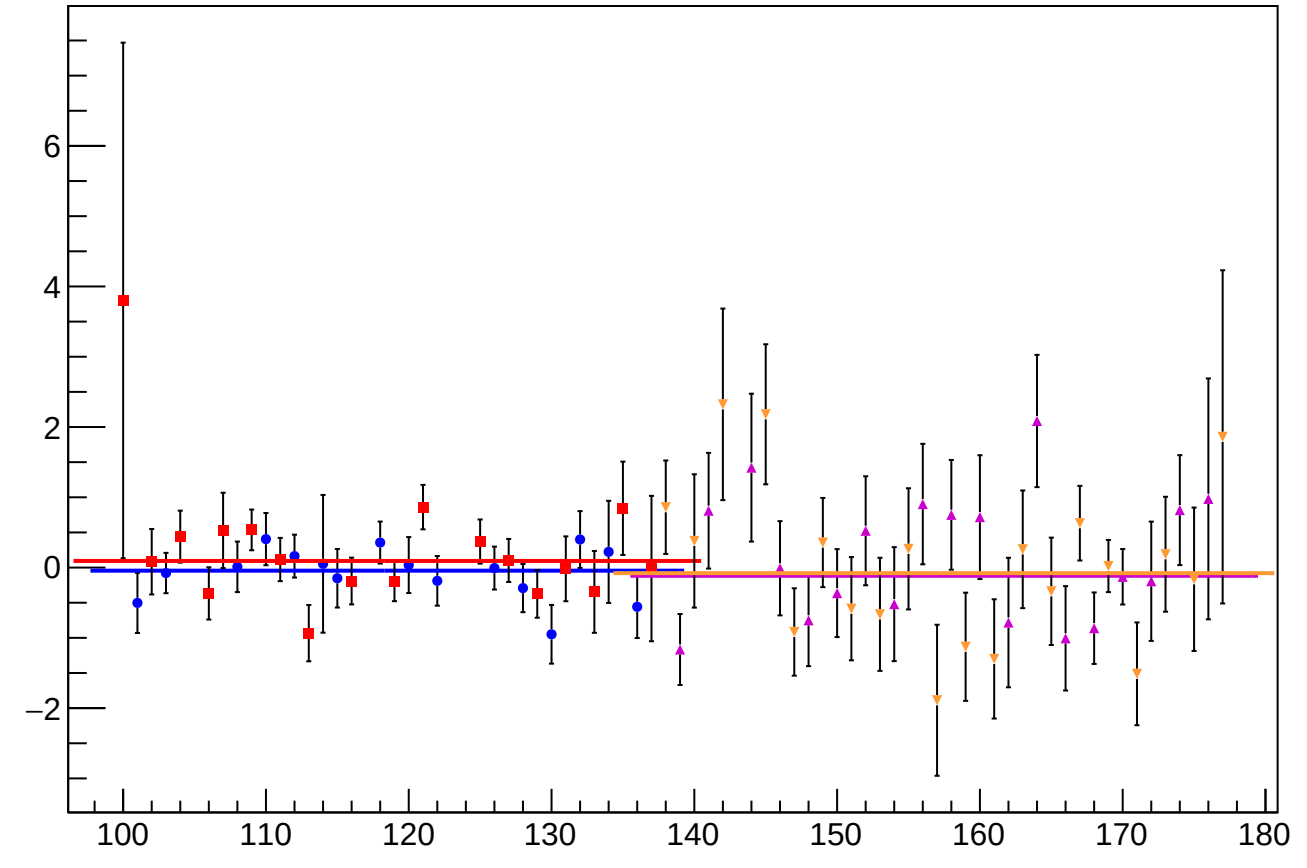
Left: 602.663+/-0.081 χ^2/NDF: 5631978.5/38

Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 329.525+/-0.057 χ^2/NDF:10813372.8/34

Out: 312.252+/-0.056 χ^2/NDF:12379365.2/37

All: 320.663+/-0.040 χ^2/NDF: 23239370.5/72



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.079+/-0.164 χ^2/NDF:27.5/19

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.117+/-0.161 χ^2/NDF:24.8/18

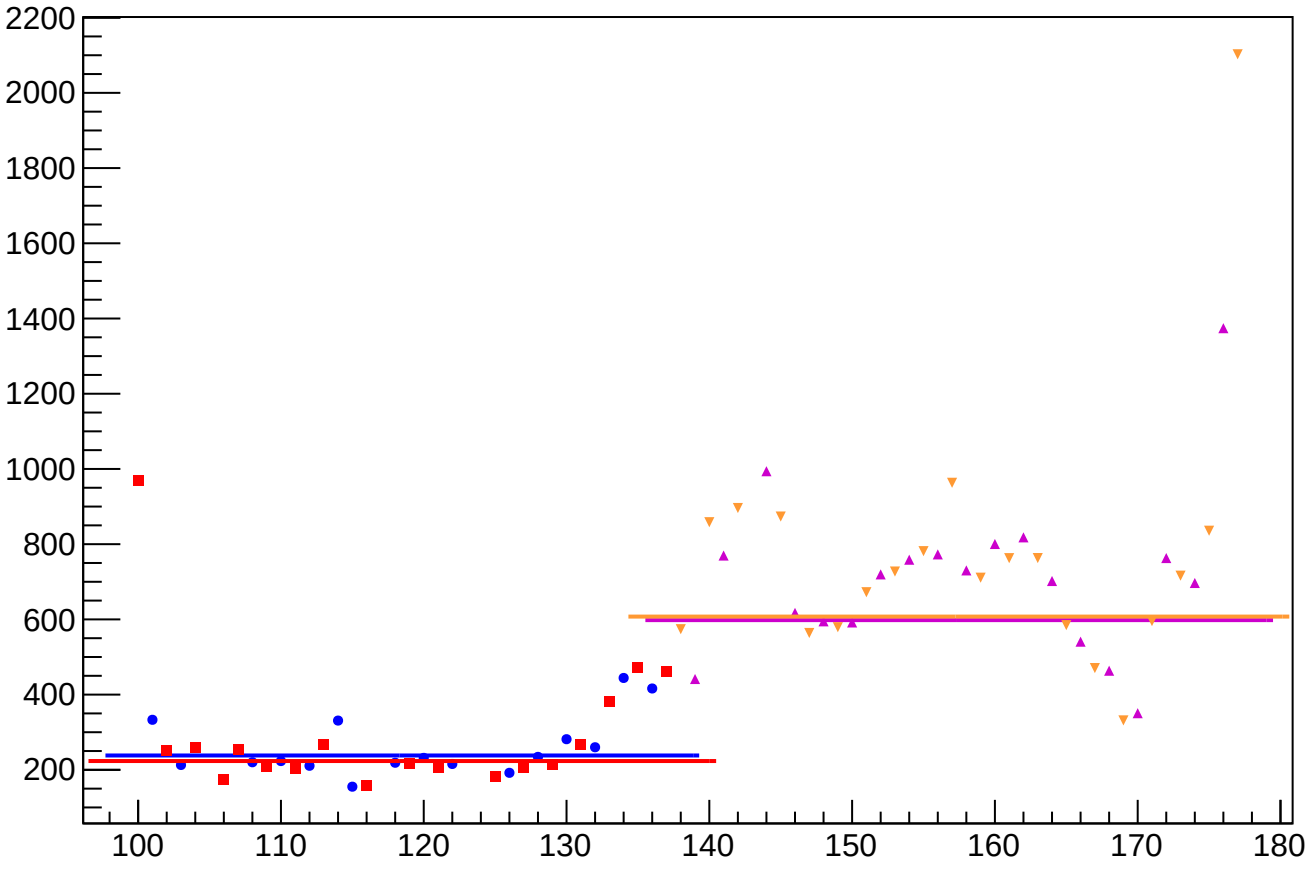
Left: -0.098+/-0.115 χ^2/NDF: 52.2/38

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.062+/-0.081 χ^2/NDF:38.0/34

Out: 0.054+/-0.079 χ^2/NDF:53.6/37

All: -0.003+/-0.057 χ^2/NDF: 92.6/72



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 607.463+/-0.116 χ^2/NDF:3096392.7/19

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 598.053+/-0.114 χ^2/NDF:2532231.4/18

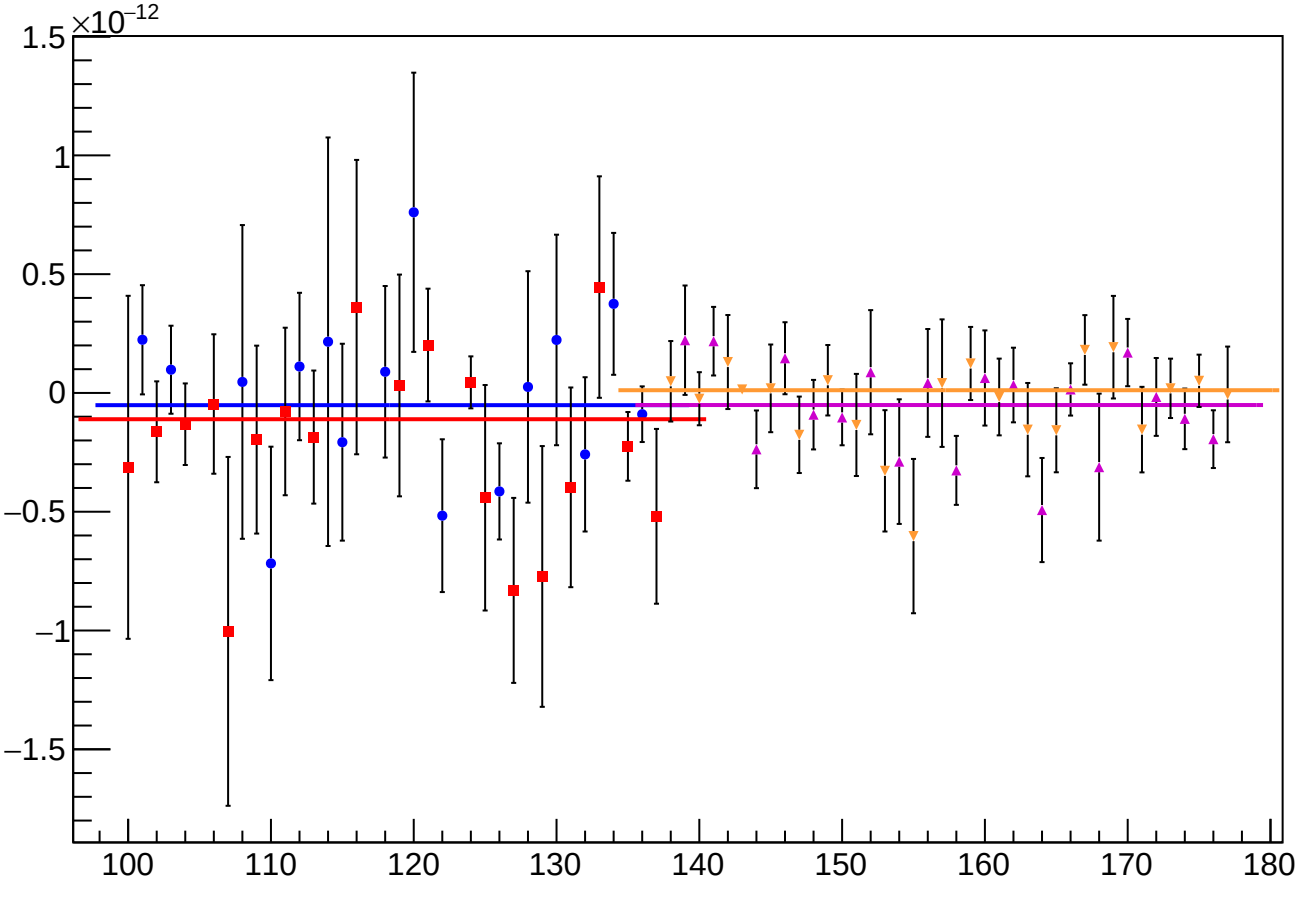
Left: 602.663+/-0.081 χ^2/NDF: 5631978.5/38

Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 329.525+/-0.057 χ^2/NDF:10813372.8/34

Out: 312.252+/-0.056 χ^2/NDF:12379365.2/37

All: 320.663+/-0.040 χ^2/NDF: 23239370.5/72



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.0/20

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:22.8/18

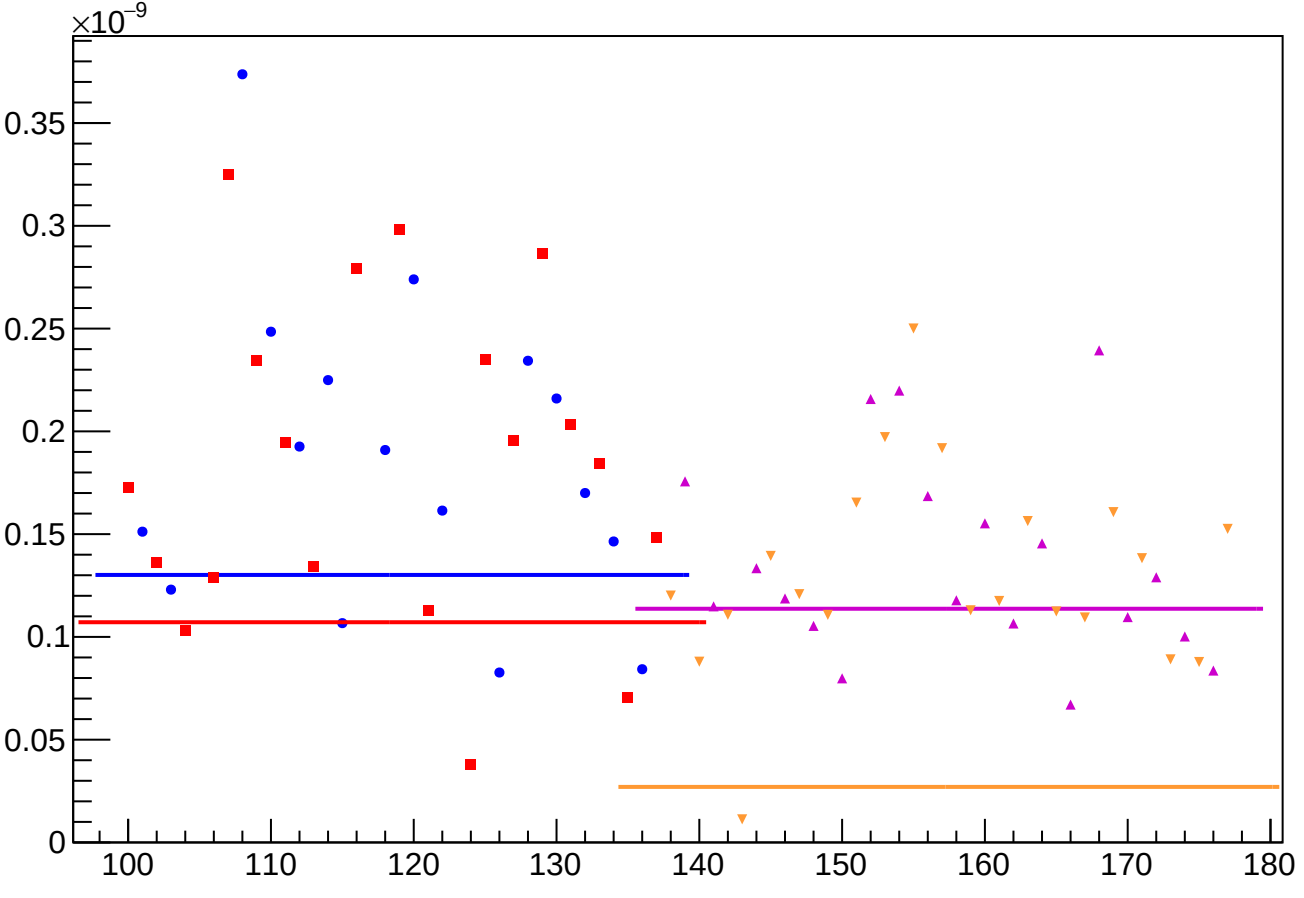
Left: 0.000+/-0.000 χ^2/NDF: 38.4/39

Right: -0.000+/-0.000 χ^2/NDF: 30.6/34

In: -0.000+/-0.000 χ^2/NDF:37.6/34

Out: 0.000+/-0.000 χ^2/NDF:32.4/39

All: -0.000+/-0.000 χ^2/NDF: 72.6/74



Right In: 0.000+/-0.000 χ^2/NDF: 1334266.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:15752066.5/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2656168.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2085745.8/18

Left: 0.000+/-0.000 χ^2/NDF: 27717545.0/39

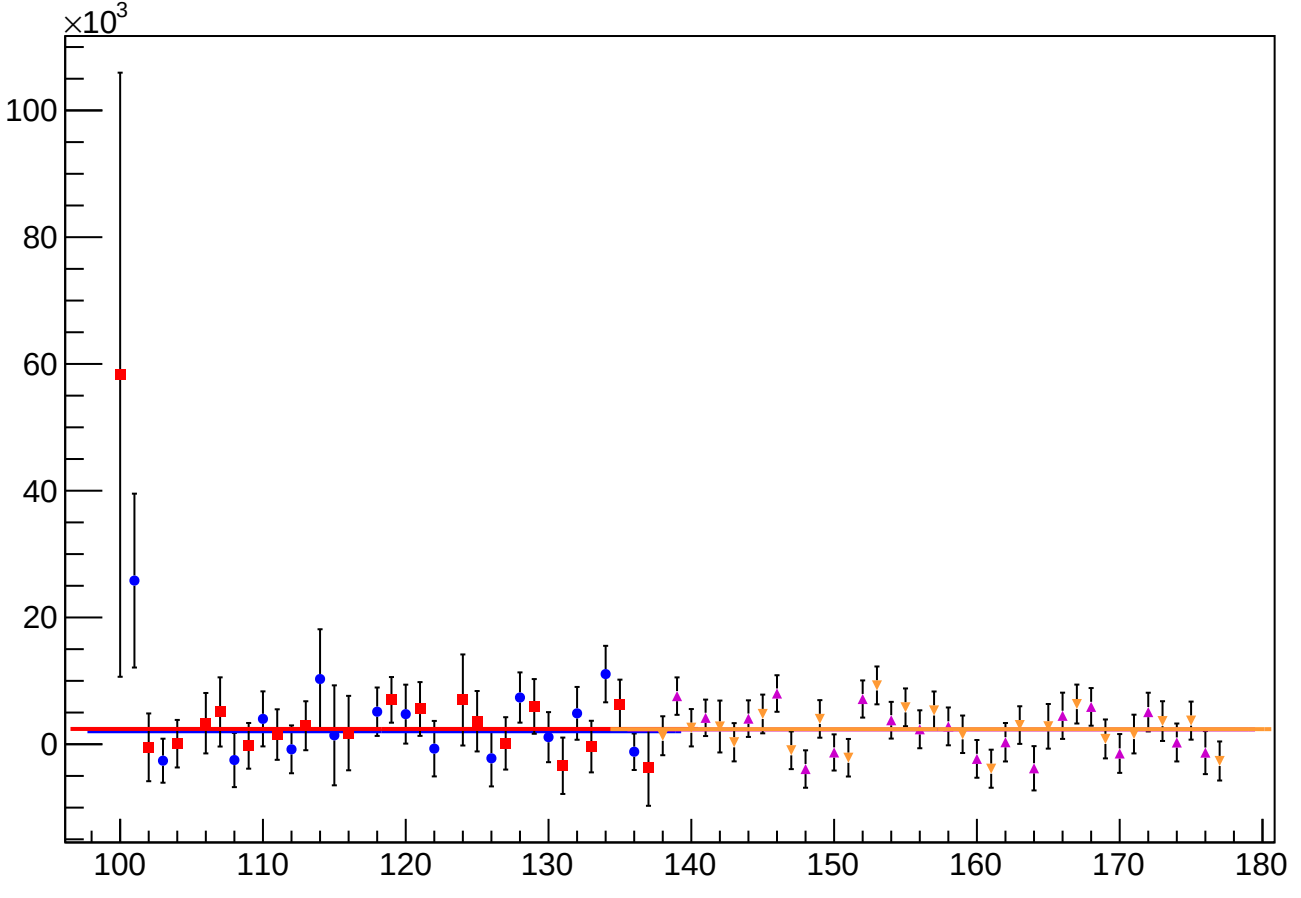
Right: 0.000+/-0.000 χ^2/NDF: 4122173.2/34

In: 0.000+/-0.000 χ^2/NDF:3512204.2/34

Out: 0.000+/-0.000 χ^2/NDF:21889903.7/39

All: 0.000+/-0.000 χ^2/NDF: 37576813.9/74

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2380.760+/-669.445 χ^2/NDF:22.2/20

Right Out: 2411.858+/-1035.471 χ^2/NDF: 10.8/18

Left In: 2334.135+/-693.981 χ^2/NDF:28.5/18

Left: 2358.286+/-481.810 χ^2/NDF: 50.7/39

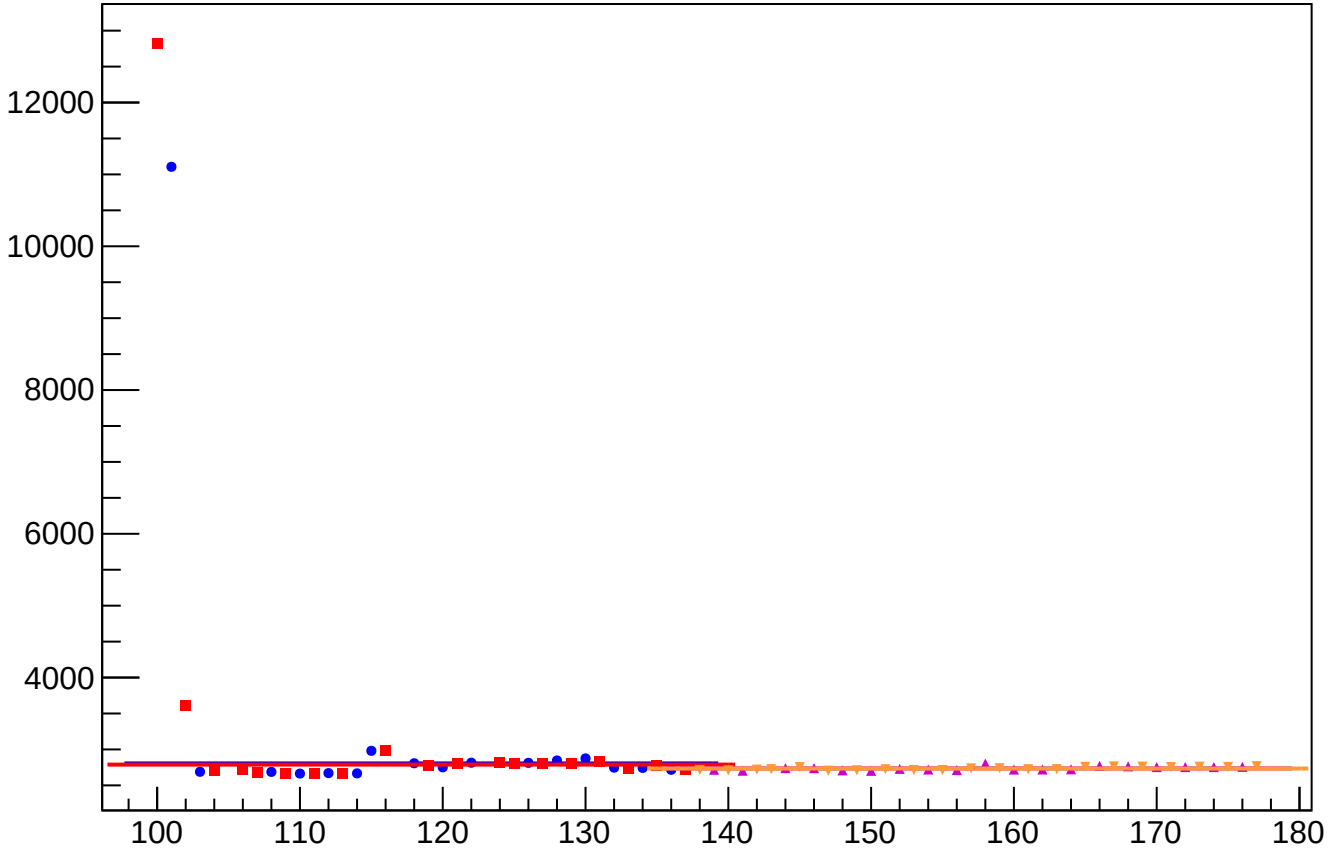
Right: 2236.684+/-744.229 χ^2/NDF: 28.6/34

In: 2249.896+/-582.305 χ^2/NDF:46.4/34

Out: 2389.927+/-562.186 χ^2/NDF:33.0/39

All: 2322.372+/-404.451 χ^2/NDF: 79.4/74

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2734.267+/-0.473 χ^2/NDF:1900.5/20

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

Left In: 2735.817+/-0.491 χ^2/NDF:2785.5/18

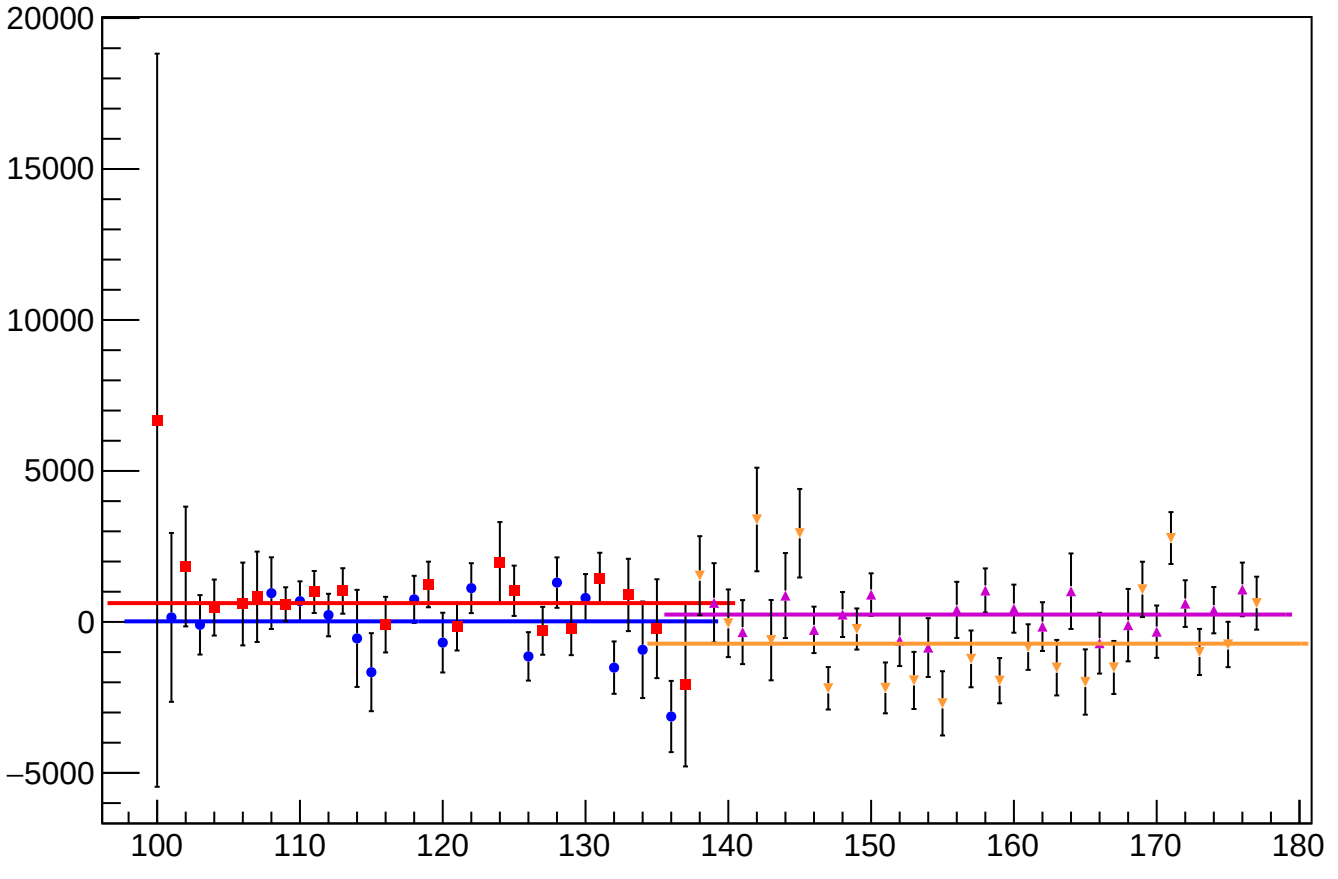
Left: 2735.014+/-0.341 χ^2/NDF: 4691.1/39

Right: 2796.857+/-0.526 χ^2/NDF: 893488.2/34

In: 2756.423+/-0.412 χ^2/NDF:754984.4/34

Out: 2750.348+/-0.398 χ^2/NDF:152813.7/39

All: 2753.279+/-0.286 χ^2/NDF: 907910.8/74



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: -720.058+/-197.342 χ^2/NDF:57.2/20

Right Out: 623.107+/-215.948 χ^2/NDF: 9.3/18

Left In: 243.578+/-202.559 χ^2/NDF:8.6/18

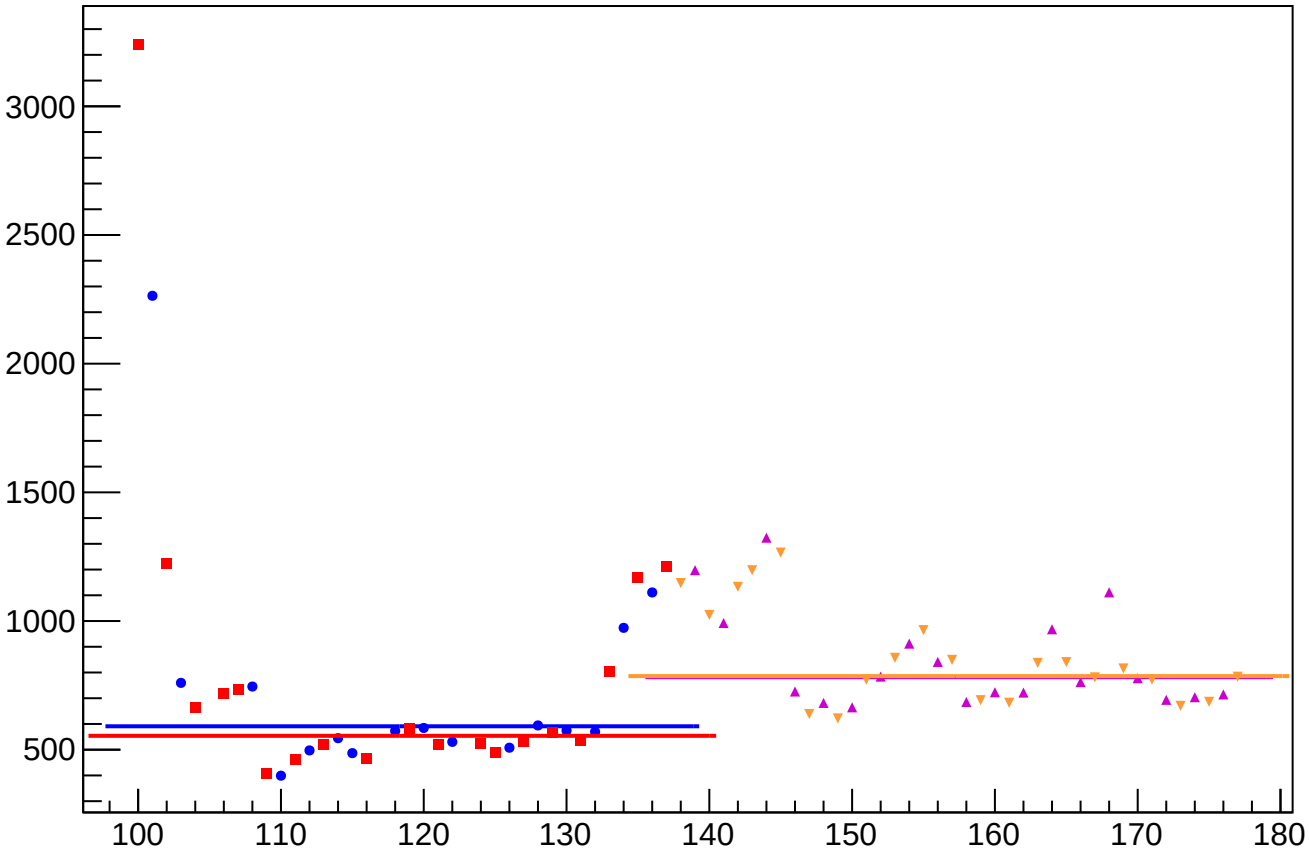
Left: -250.810+/-141.350 χ^2/NDF: 77.4/39

Right: 344.579+/-158.535 χ^2/NDF: 35.6/34

In: 147.128+/-153.005 χ^2/NDF:31.9/34

Out: -108.822+/-145.676 χ^2/NDF:87.5/39

All: 12.877+/-105.504 χ^2/NDF: 120.9/74



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 786.014+/-0.140 χ^2/NDF:1175420.6/20

Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

Left In: 781.673+/-0.143 χ^2/NDF:1032590.6/18

Left: 783.900+/-0.100 χ^2/NDF: 2208482.4/39

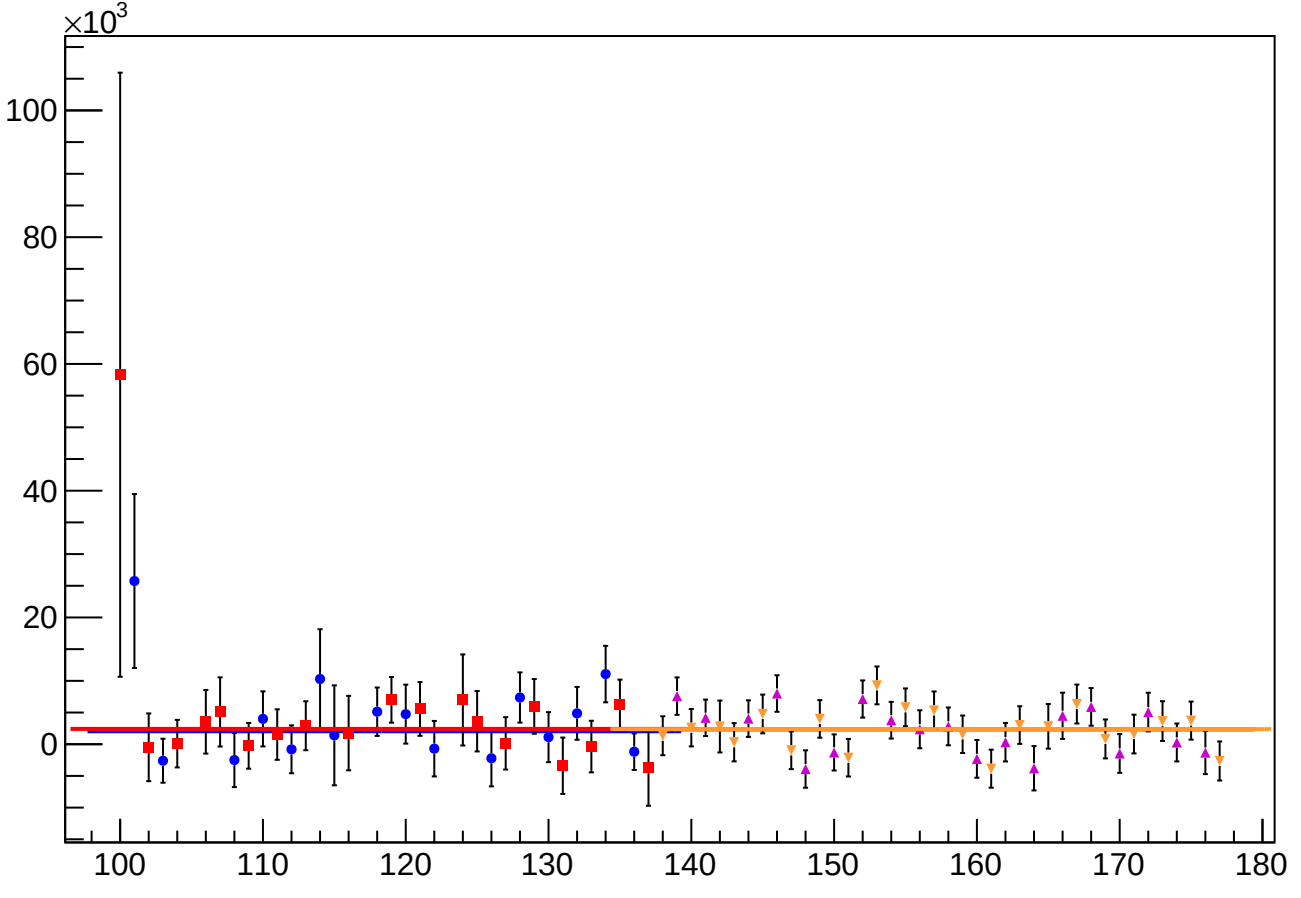
Right: 571.068+/-0.112 χ^2/NDF: 2711735.0/34

In: 699.809+/-0.108 χ^2/NDF:3360959.1/34

Out: 680.423+/-0.103 χ^2/NDF:3550591.8/39

All: 689.641+/-0.075 χ^2/NDF: 6928391.5/74

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2380.781+/-669.445 χ^2/NDF:22.2/20

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 2334.201+/-693.981 χ^2/NDF:28.5/18

Left: 2358.329+/-481.810 χ^2/NDF: 50.7/39

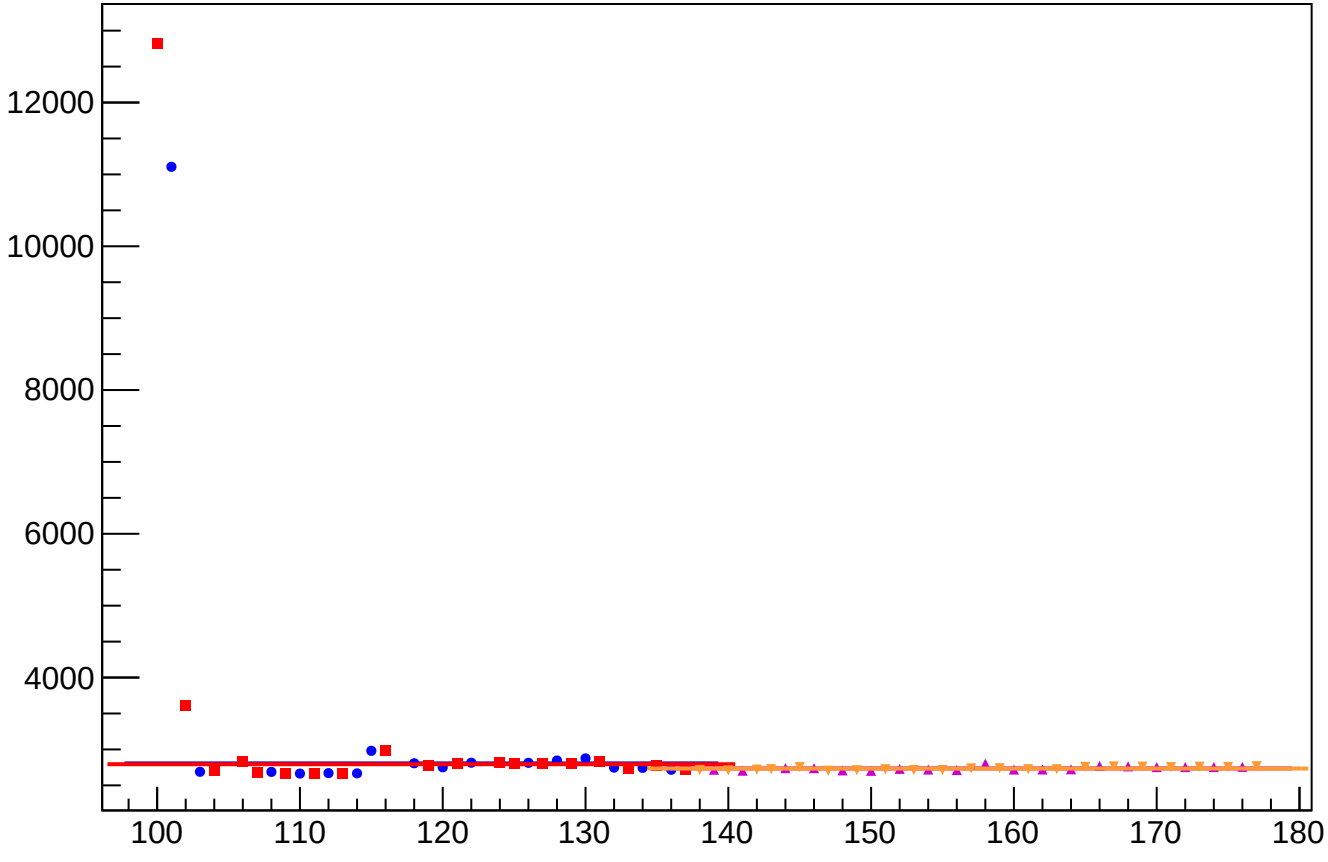
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2249.704+/-582.305 χ^2/NDF:46.4/34

Out: 2391.690+/-562.567 χ^2/NDF:33.0/39

All: 2323.144+/-404.593 χ^2/NDF: 79.4/74

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2734.268+/-0.473 χ^2/NDF:1900.5/20

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2735.817+/-0.491 χ^2/NDF:2785.5/18

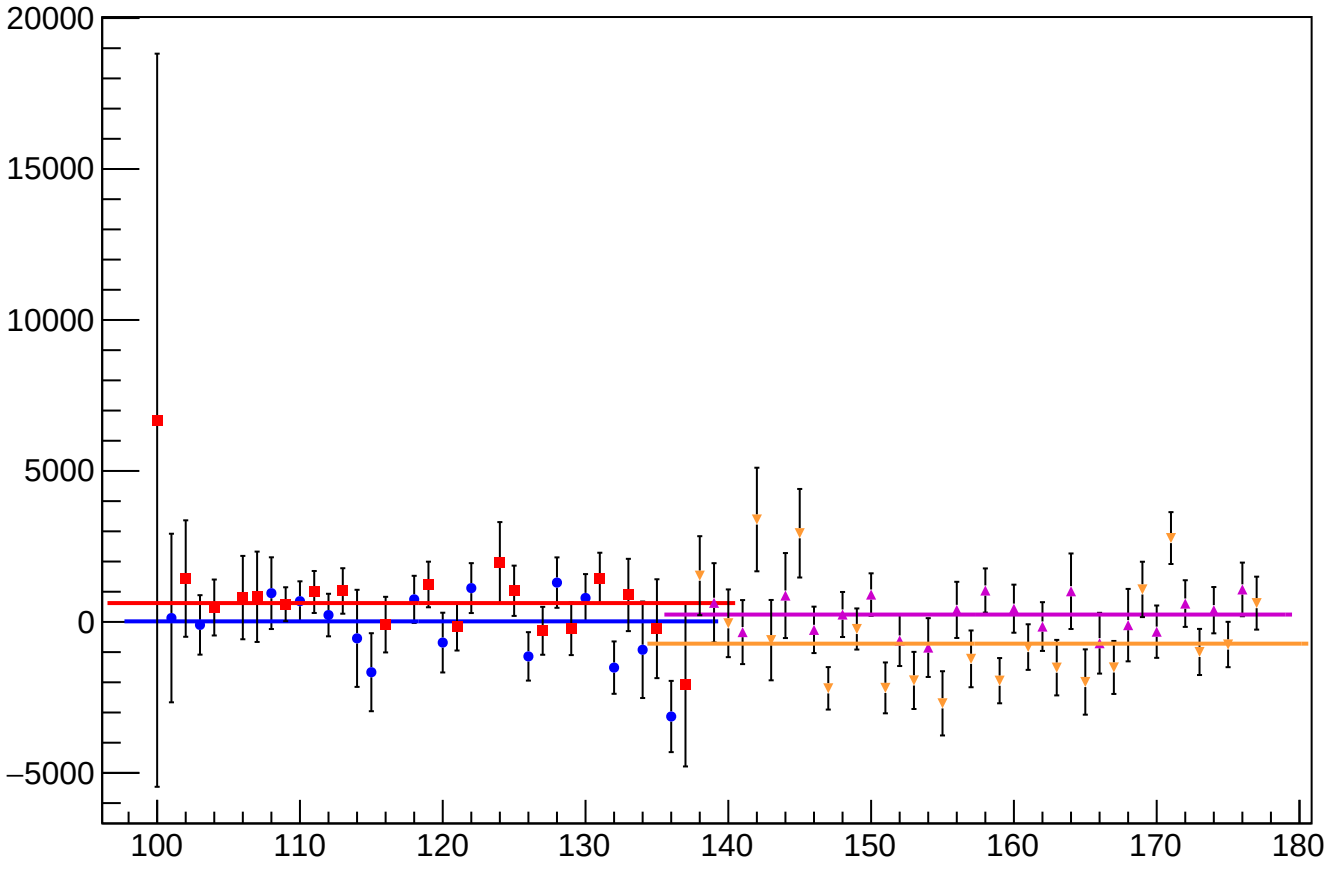
Left: 2735.014+/-0.341 χ^2/NDF: 4691.1/39

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2756.423+/-0.412 χ^2/NDF:754983.5/34

Out: 2751.864+/-0.398 χ^2/NDF:153347.8/39

All: 2754.065+/-0.286 χ^2/NDF: 908394.8/74



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -719.984+/-197.341 χ^2/NDF:57.2/20

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 243.691+/-202.560 χ^2/NDF:8.6/18

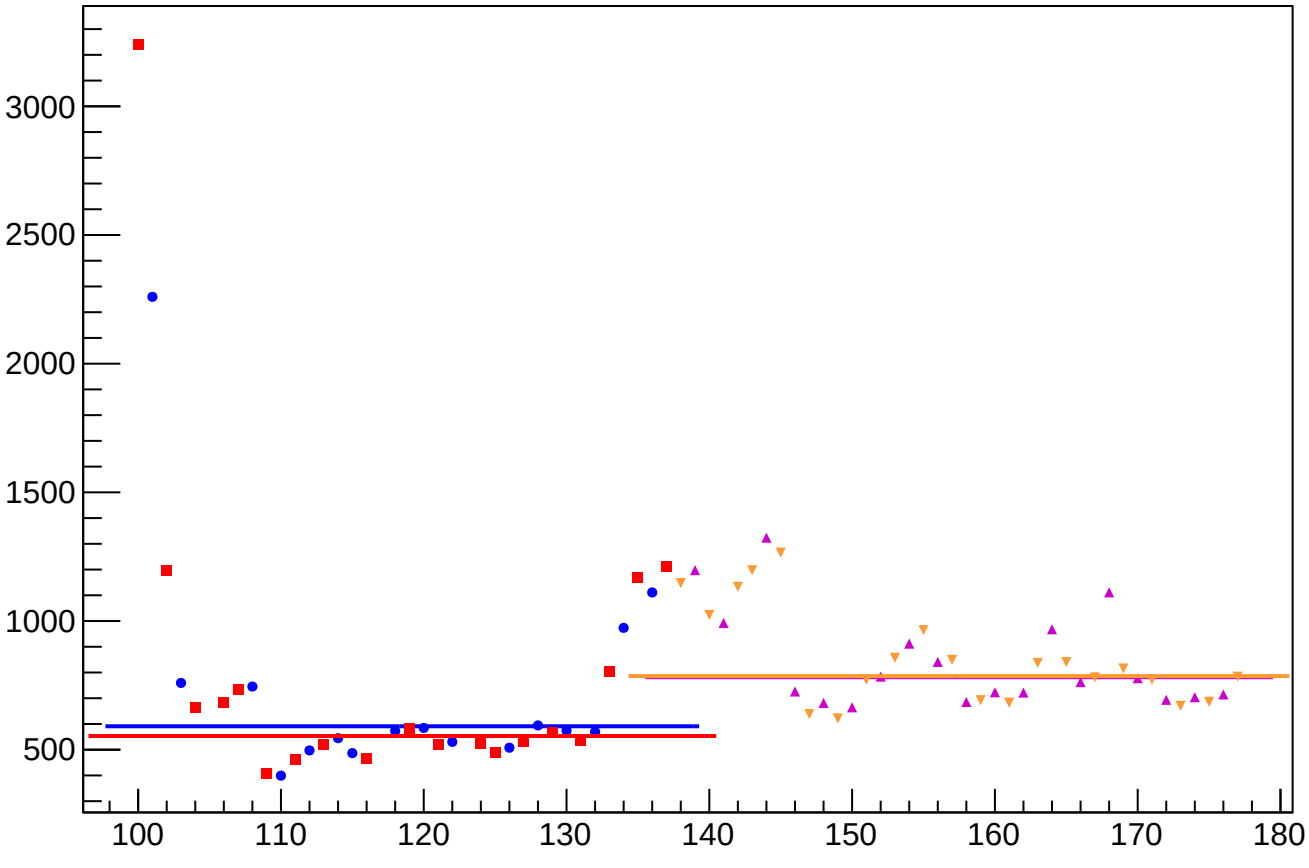
Left: -250.720+/-141.350 χ^2/NDF: 77.4/39

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 147.169+/-153.001 χ^2/NDF:31.9/34

Out: -108.136+/-145.662 χ^2/NDF:87.4/39

All: 13.246+/-105.498 χ^2/NDF: 120.8/74



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 786.010+/-0.140 χ^2/NDF:1175433.1/20

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 781.675+/-0.143 χ^2/NDF:1032526.8/18

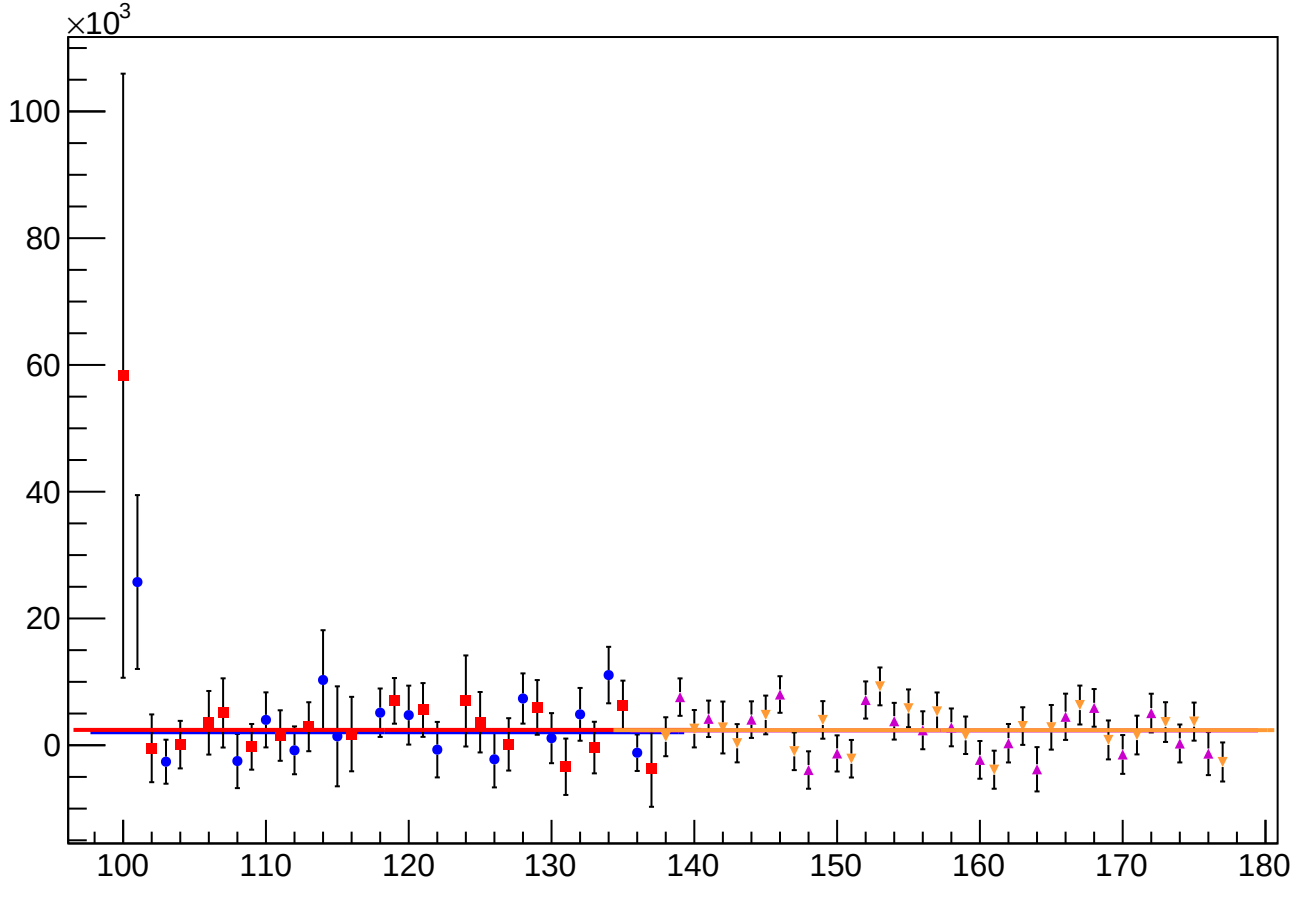
Left: 783.899+/-0.100 χ^2/NDF: 2208429.9/39

Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 699.804+/-0.108 χ^2/NDF:3359937.7/34

Out: 680.056+/-0.103 χ^2/NDF:3543732.0/39

All: 689.445+/-0.075 χ^2/NDF: 6921148.8/74



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2380.781+/-669.445 χ^2/NDF:22.2/20

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 2334.201+/-693.981 χ^2/NDF:28.5/18

Left: 2358.329+/-481.810 χ^2/NDF: 50.7/39

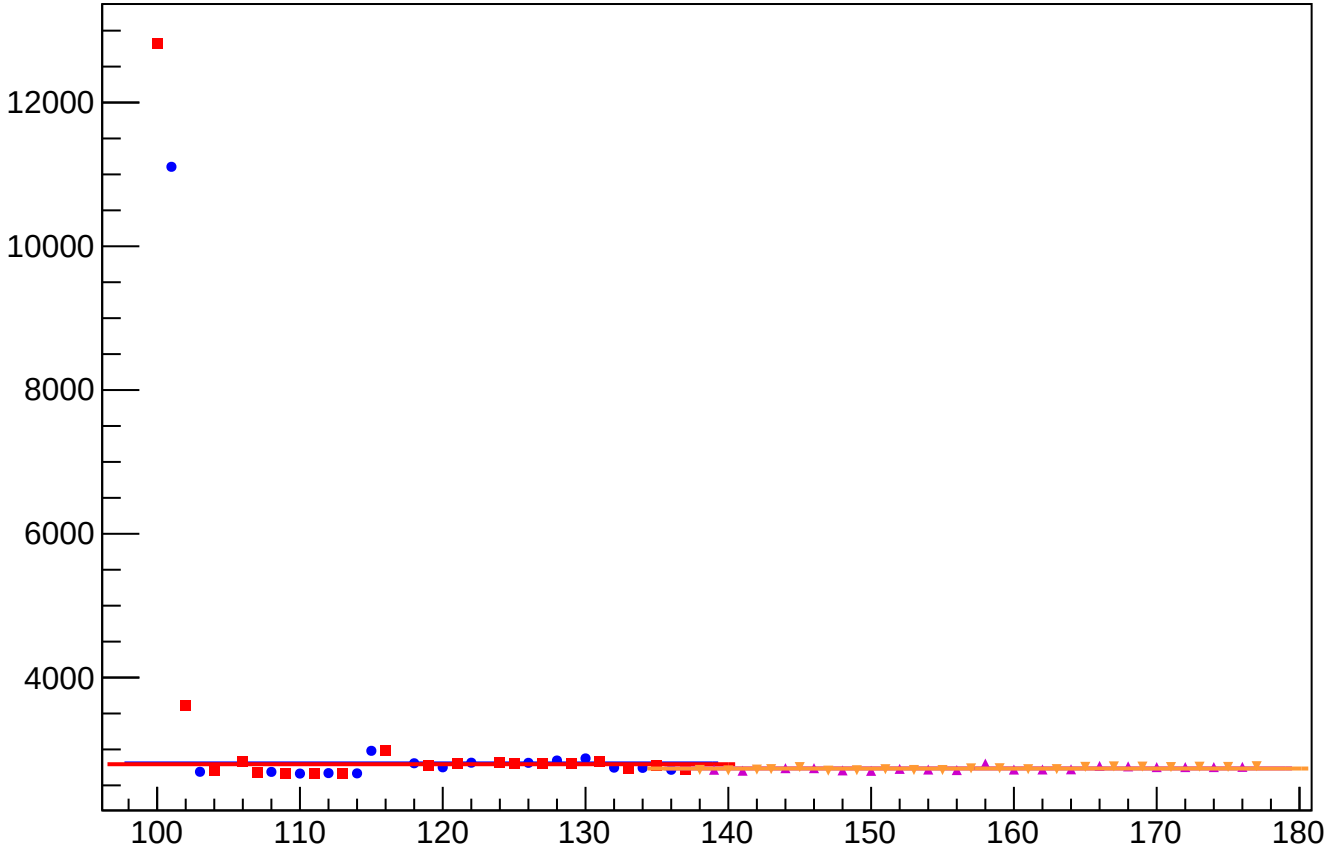
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2249.704+/-582.305 χ^2/NDF:46.4/34

Out: 2391.690+/-562.567 χ^2/NDF:33.0/39

All: 2323.144+/-404.593 χ^2/NDF: 79.4/74

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2734.268+/-0.473 χ^2/NDF:1900.5/20

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2735.817+/-0.491 χ^2/NDF:2785.5/18

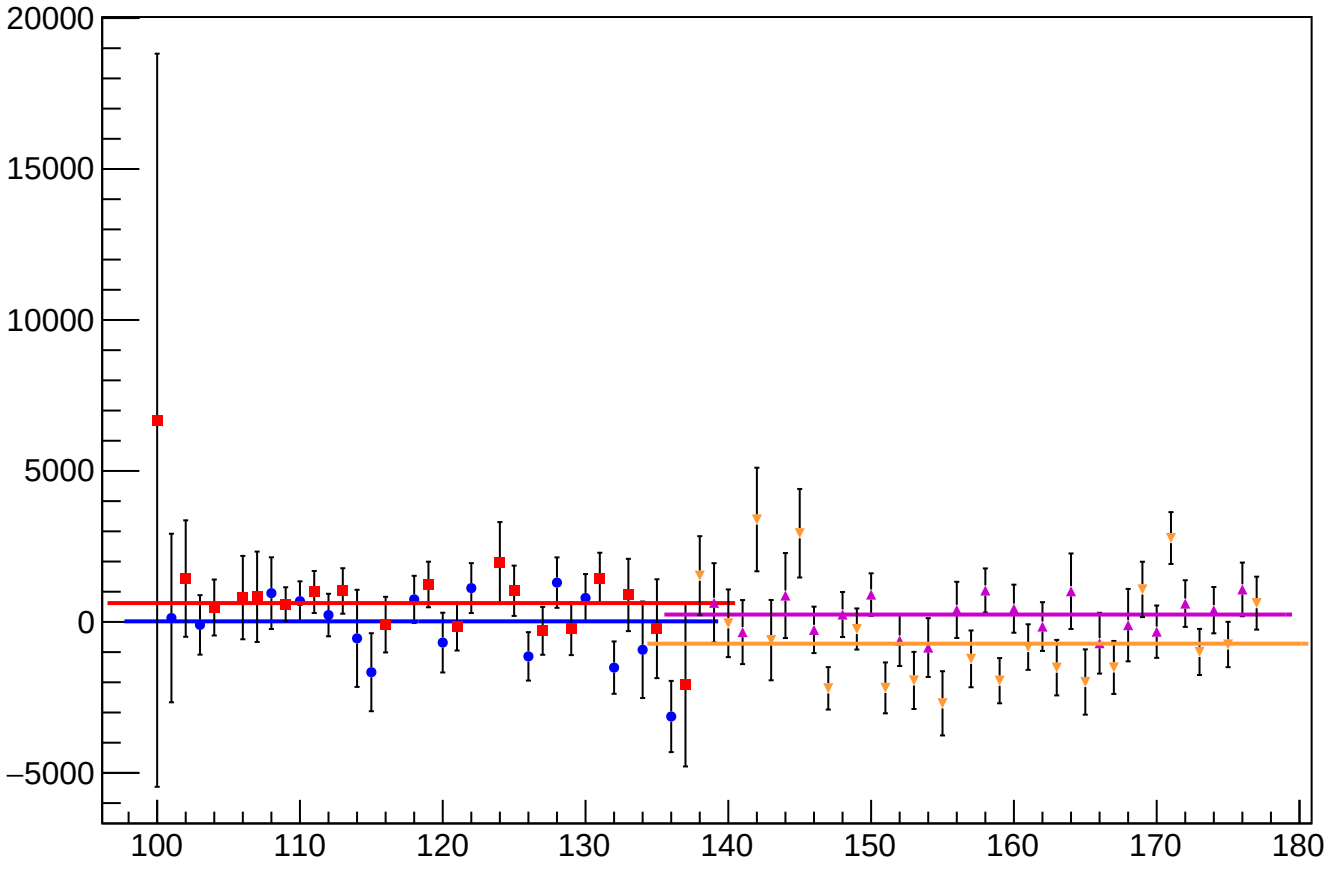
Left: 2735.014+/-0.341 χ^2/NDF: 4691.1/39

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2756.423+/-0.412 χ^2/NDF:754983.5/34

Out: 2751.864+/-0.398 χ^2/NDF:153347.8/39

All: 2754.065+/-0.286 χ^2/NDF: 908394.8/74



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -719.984+/-197.341 χ^2/NDF:57.2/20

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 243.691+/-202.560 χ^2/NDF:8.6/18

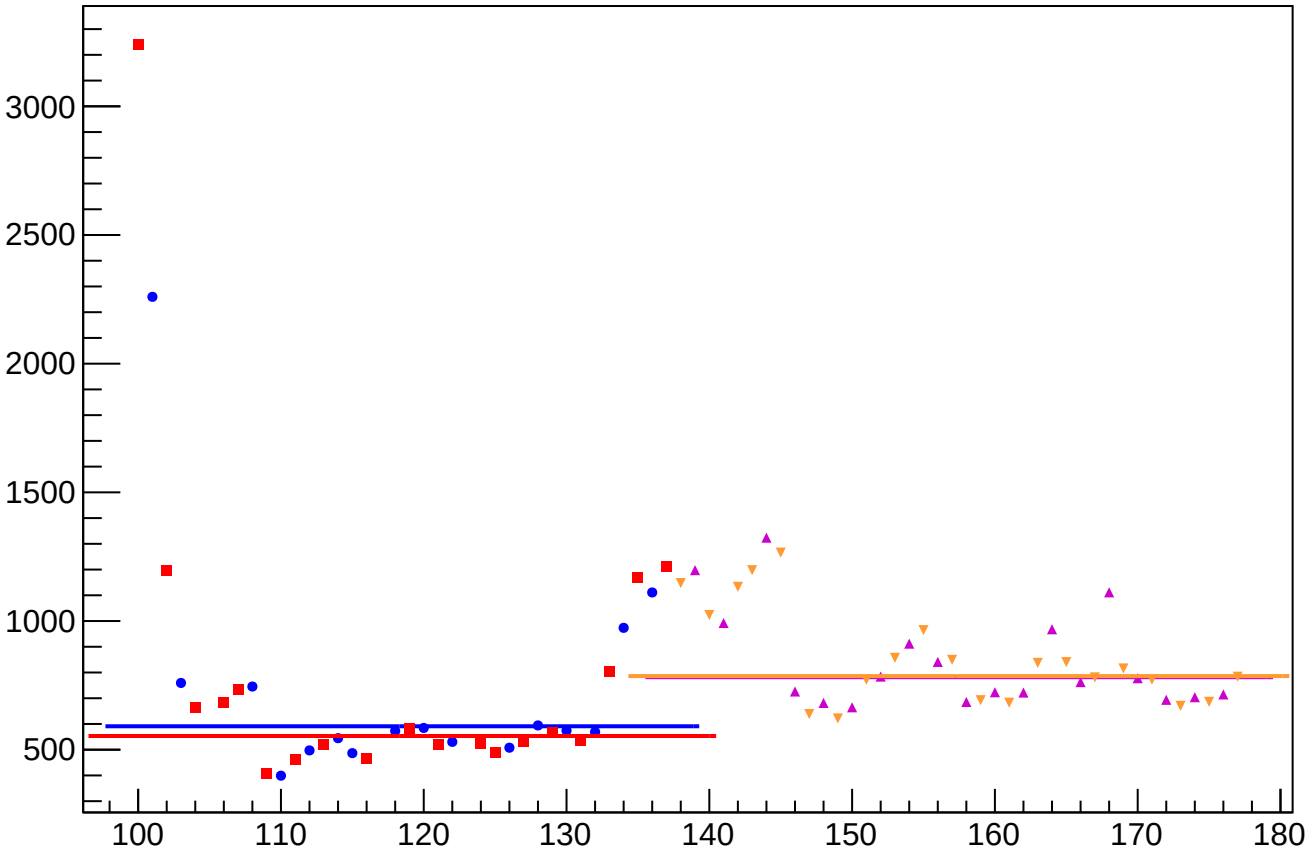
Left: -250.720+/-141.350 χ^2/NDF: 77.4/39

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 147.169+/-153.001 χ^2/NDF:31.9/34

Out: -108.136+/-145.662 χ^2/NDF:87.4/39

All: 13.246+/-105.498 χ^2/NDF: 120.8/74



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 786.010+/-0.140 χ^2/NDF:1175433.1/20

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 781.675+/-0.143 χ^2/NDF:1032526.8/18

Left: 783.899+/-0.100 χ^2/NDF: 2208429.9/39

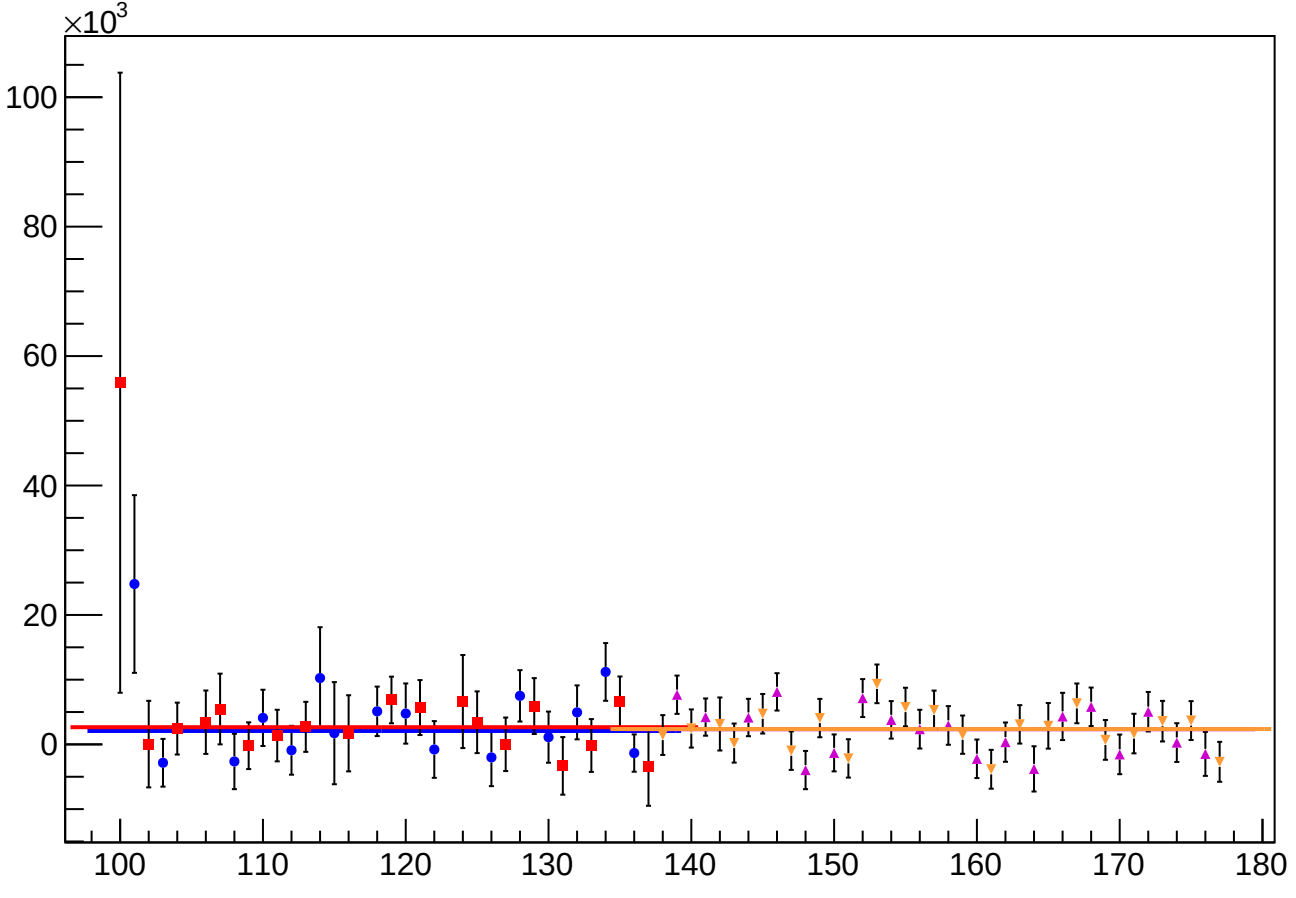
Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 699.804+/-0.108 χ^2/NDF:3359937.7/34

Out: 680.056+/-0.103 χ^2/NDF:3543732.0/39

All: 689.445+/-0.075 χ^2/NDF: 6921148.8/74

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2373.008+/-669.896 χ^2/NDF:22.4/20

Right Out: 2657.301+/-1049.868 χ^2/NDF: 9.9/18

Left In: 2340.699+/-694.374 χ^2/NDF:28.9/18

Left: 2357.433+/-482.109 χ^2/NDF: 51.3/39

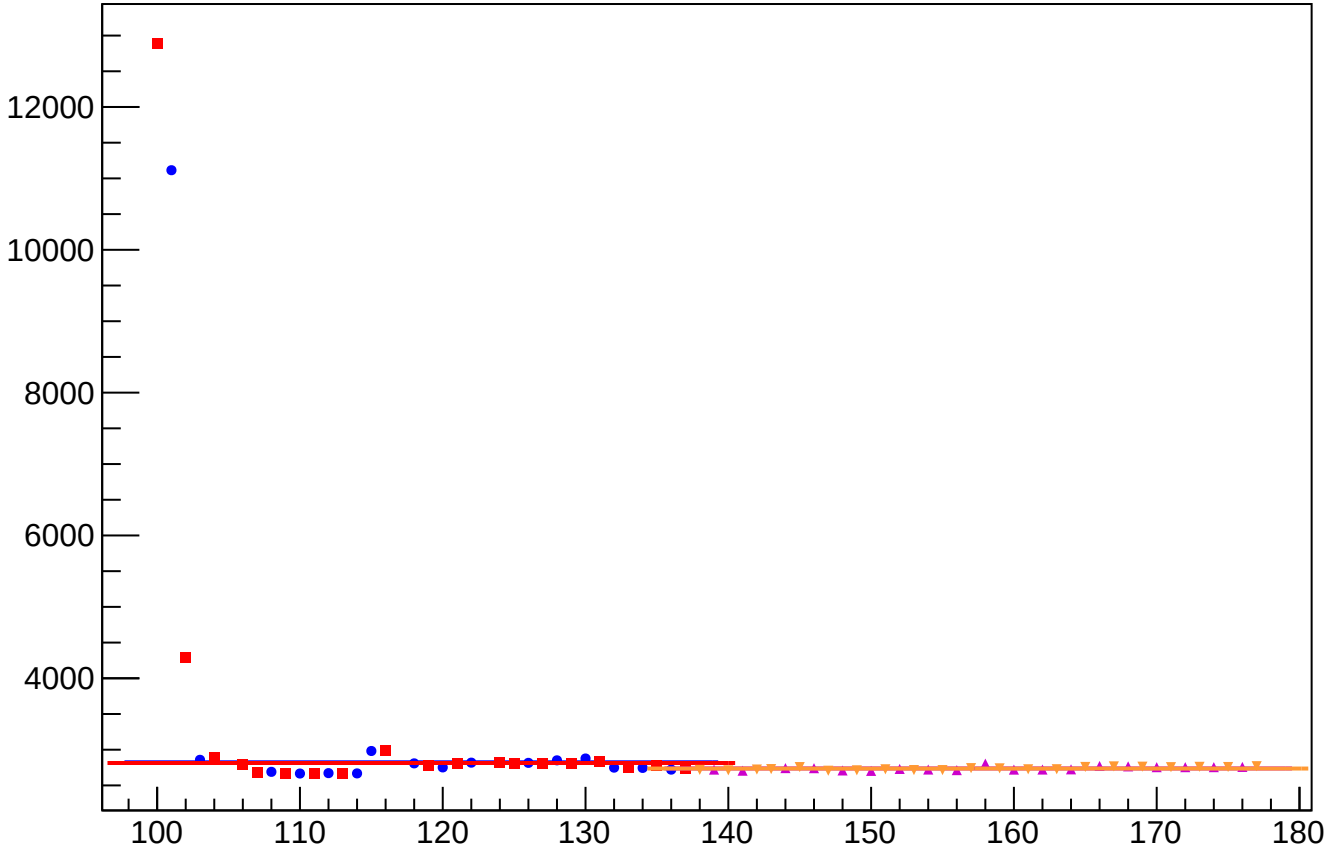
Right: 2373.513+/-751.840 χ^2/NDF: 28.0/34

In: 2262.633+/-583.624 χ^2/NDF:46.8/34

Out: 2455.265+/-564.727 χ^2/NDF:32.4/39

All: 2362.118+/-405.838 χ^2/NDF: 79.2/74

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2736.104+/-0.474 χ^2/NDF:1919.0/20

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

Left In: 2737.361+/-0.491 χ^2/NDF:2789.3/18

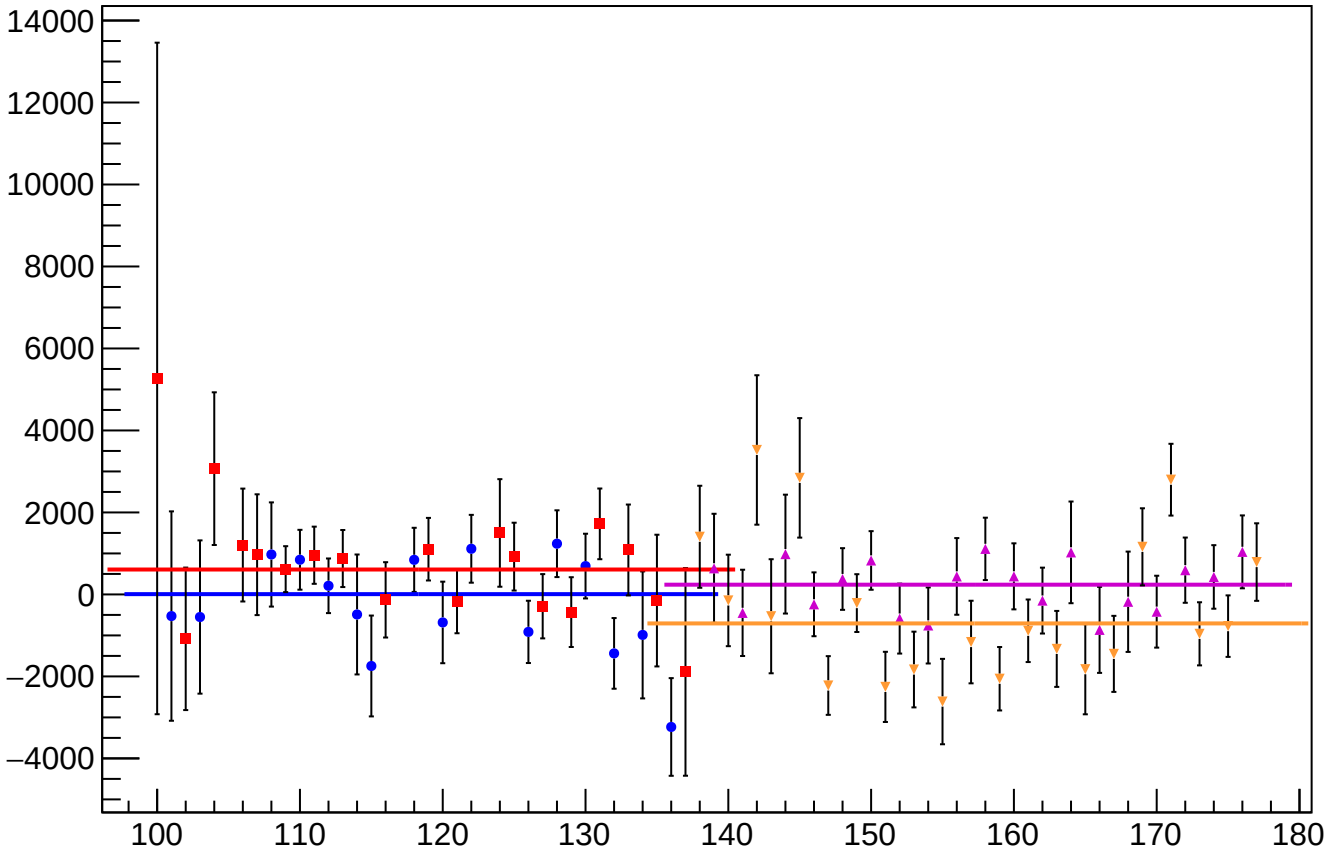
Left: 2736.710+/-0.341 χ^2/NDF: 4711.7/39

Right: 2818.511+/-0.532 χ^2/NDF: 944509.9/34

In: 2762.632+/-0.413 χ^2/NDF:755729.5/34

Out: 2758.591+/-0.399 χ^2/NDF:210219.4/39

All: 2760.545+/-0.287 χ^2/NDF: 965998.5/74



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: -707.426+/-201.206 χ^2/NDF:55.6/20

Right Out: 607.647+/-217.093 χ^2/NDF: 12.2/18

Left In: 237.501+/-204.771 χ^2/NDF:8.9/18

Left: -243.258+/-143.518 χ^2/NDF: 75.3/39

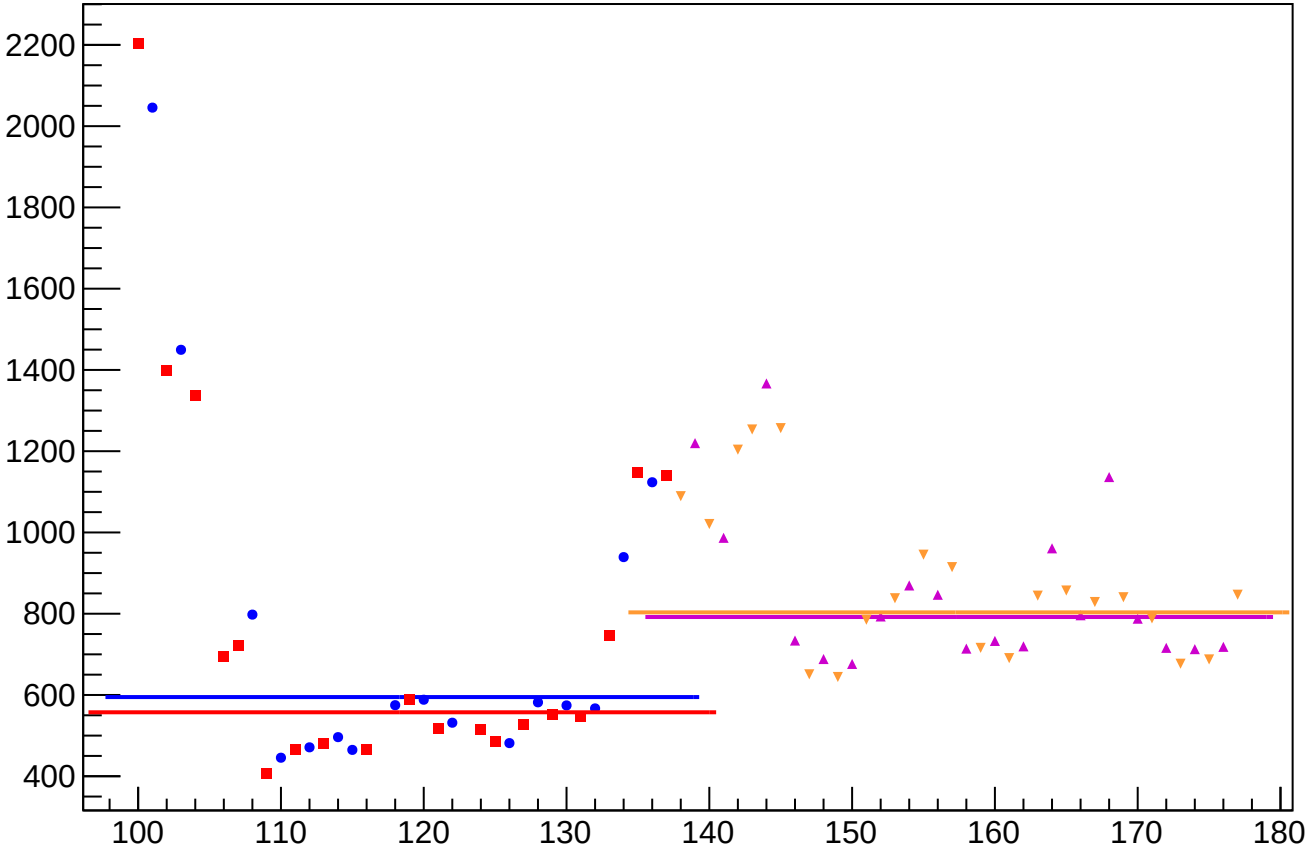
Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 139.215+/-155.073 χ^2/NDF:32.2/34

Out: -99.765+/-147.572 χ^2/NDF:87.5/39

All: 13.805+/-106.903 χ^2/NDF: 120.9/74

asym_atr1_dit_correction_rms vs Slug, Sign Corrected



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 803.313+/-0.142 χ^2/NDF:1127555.3/20

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

Left In: 791.880+/-0.145 χ^2/NDF:1008037.1/18

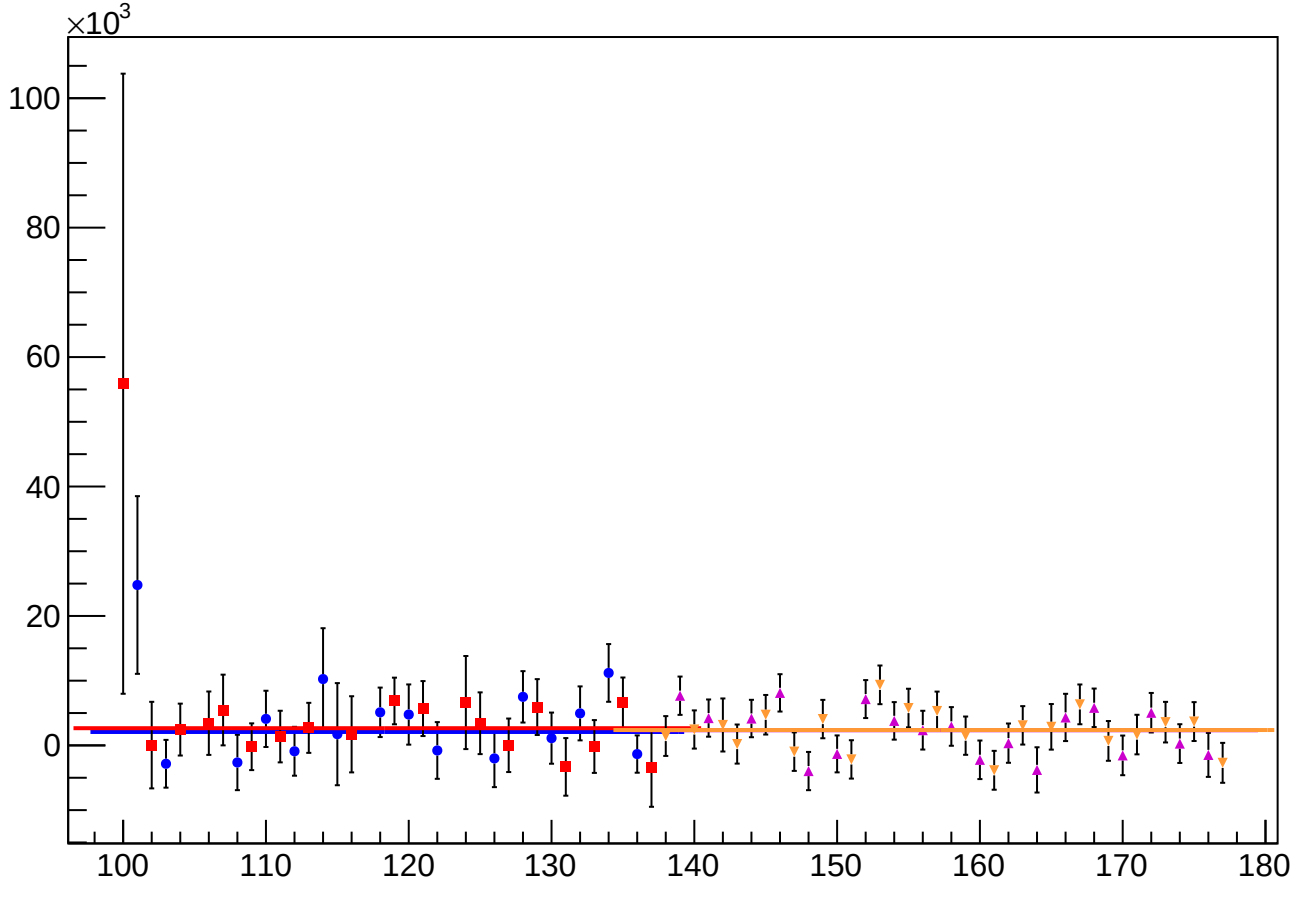
Left: 797.697+/-0.101 χ^2/NDF: 2138764.5/39

Right: 574.453+/-0.113 χ^2/NDF: 3511078.0/34

In: 707.851+/-0.110 χ^2/NDF:3650347.2/34

Out: 689.682+/-0.104 χ^2/NDF:4139353.6/39

All: 698.316+/-0.076 χ^2/NDF: 7804109.6/74



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2373.009+/-669.896 χ^2/NDF:22.4/20

Right Out: 2657.300+/-1049.868 χ^2/NDF: 9.9/18

Left In: 2340.699+/-694.374 χ^2/NDF:28.9/18

Left: 2357.433+/-482.109 χ^2/NDF: 51.3/39

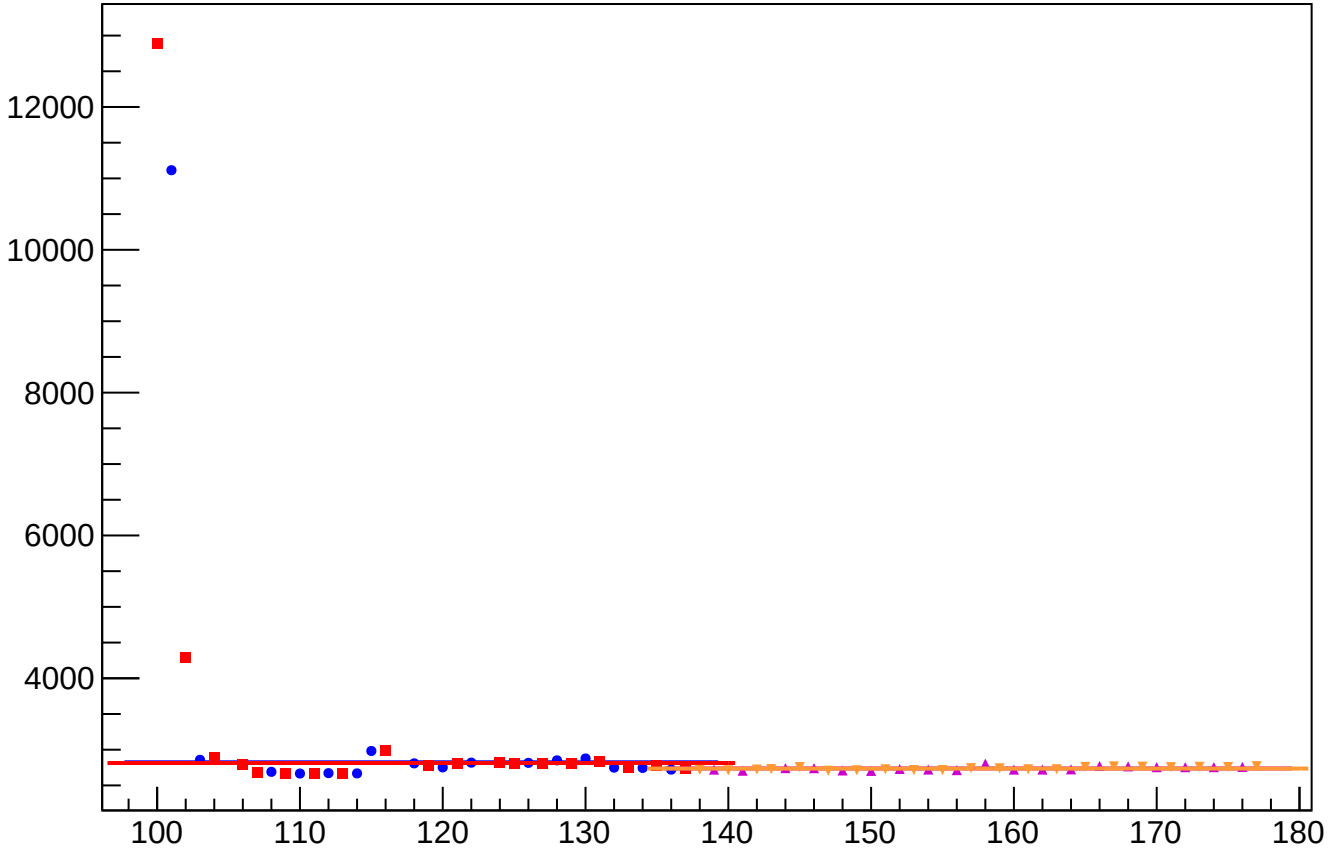
Right: 2373.512+/-751.840 χ^2/NDF: 28.0/34

In: 2262.633+/-583.624 χ^2/NDF:46.8/34

Out: 2455.266+/-564.727 χ^2/NDF:32.4/39

All: 2362.118+/-405.838 χ^2/NDF: 79.2/74

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2736.104+/-0.474 χ^2/NDF:1919.0/20

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

Left In: 2737.361+/-0.491 χ^2/NDF:2789.3/18

Left: 2736.710+/-0.341 χ^2/NDF: 4711.7/39

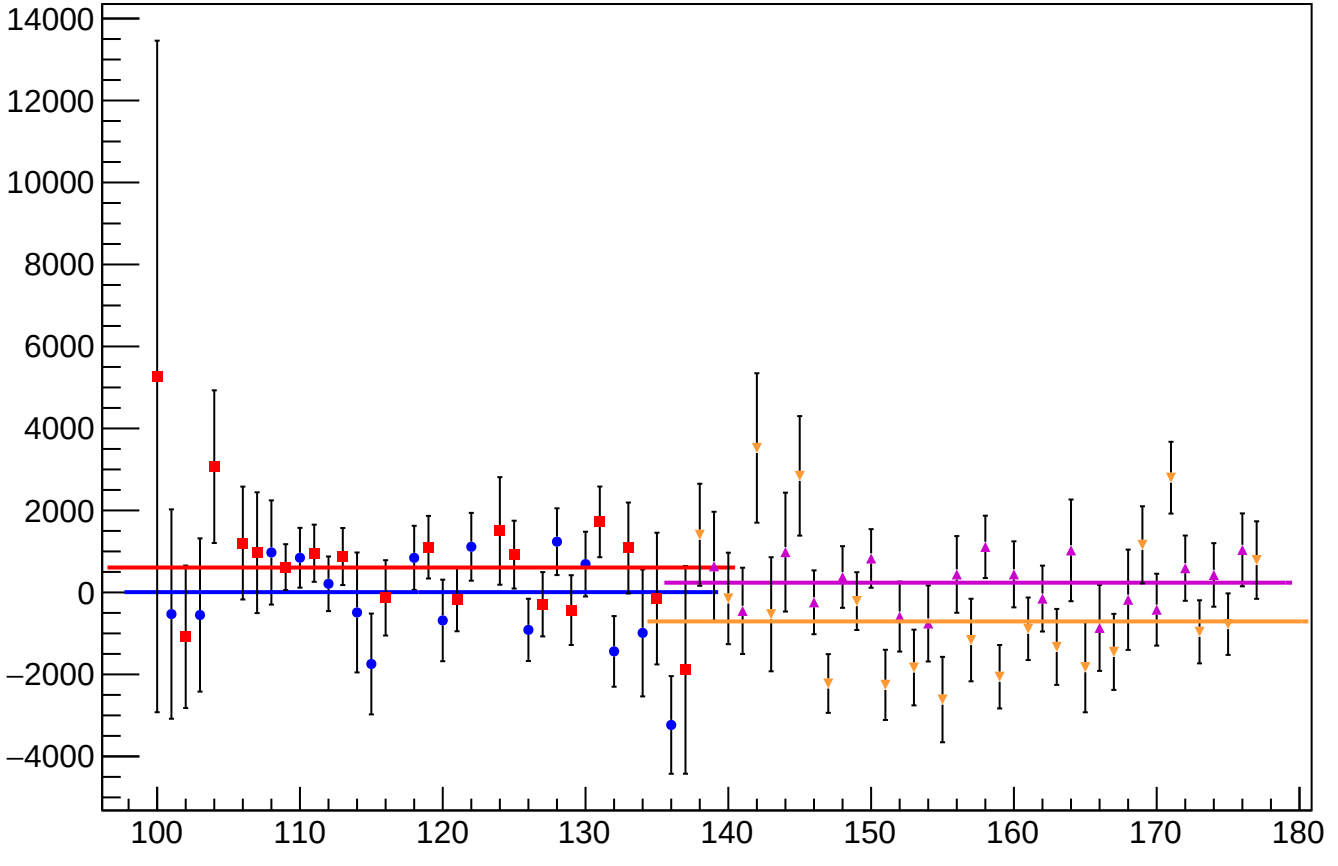
Right: 2818.511+/-0.532 χ^2/NDF: 944509.7/34

In: 2762.632+/-0.413 χ^2/NDF:755729.5/34

Out: 2758.591+/-0.399 χ^2/NDF:210219.2/39

All: 2760.545+/-0.287 χ^2/NDF: 965998.2/74

asym_atr1_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: -707.427+/-201.206 χ^2/NDF:55.6/20

Right Out: 607.647+/-217.094 χ^2/NDF: 12.2/18

Left In: 237.501+/-204.771 χ^2/NDF:8.9/18

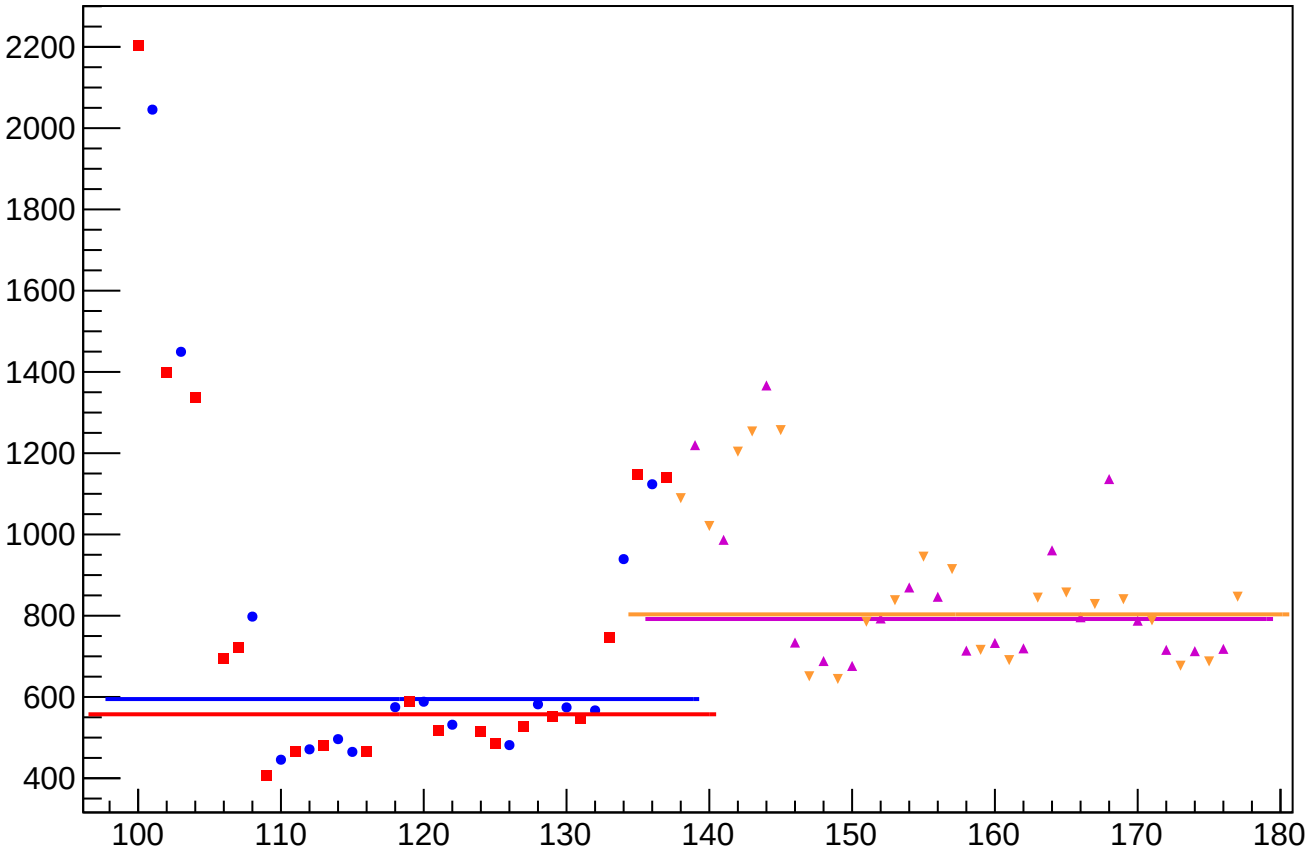
Left: -243.258+/-143.518 χ^2/NDF: 75.3/39

Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 139.215+/-155.073 χ^2/NDF:32.2/34

Out: -99.765+/-147.572 χ^2/NDF:87.5/39

All: 13.805+/-106.903 χ^2/NDF: 120.9/74



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 803.313+/-0.142 χ^2/NDF:1127558.0/20

Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

Left In: 791.880+/-0.145 χ^2/NDF:1008041.0/18

Left: 797.697+/-0.101 χ^2/NDF: 2138771.2/39

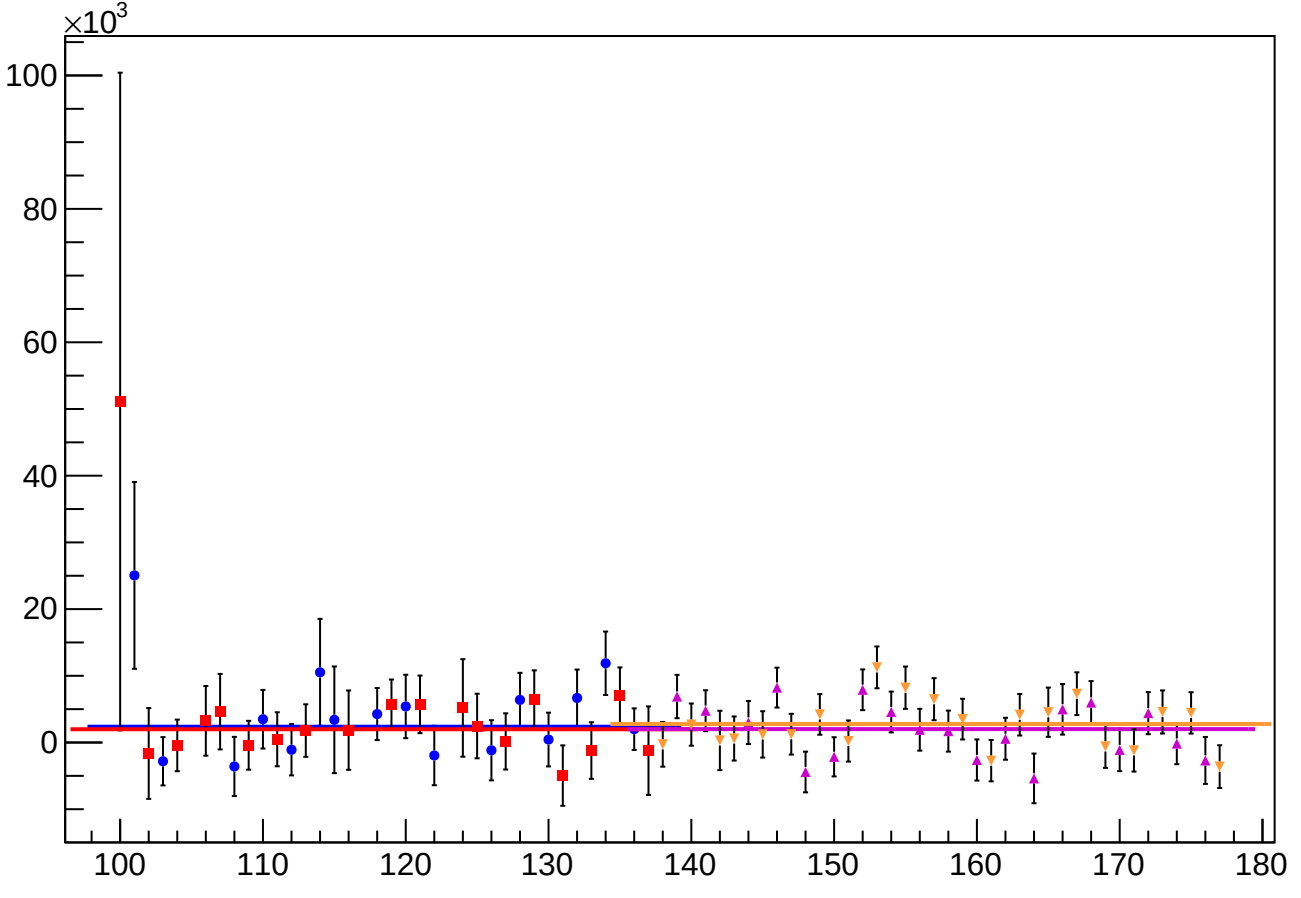
Right: 574.453+/-0.113 χ^2/NDF: 3511070.4/34

In: 707.852+/-0.110 χ^2/NDF:3650341.1/34

Out: 689.682+/-0.104 χ^2/NDF:4139352.4/39

All: 698.317+/-0.076 χ^2/NDF: 7804102.4/74

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 2774.291+/-704.585 χ^2/NDF:27.5/20

Right Out: 1987.039+/-1075.310 χ^2/NDF: 10.3/18

Left In: 2005.960+/-728.744 χ^2/NDF:30.7/18

Left: 2403.072+/-506.543 χ^2/NDF: 58.8/39

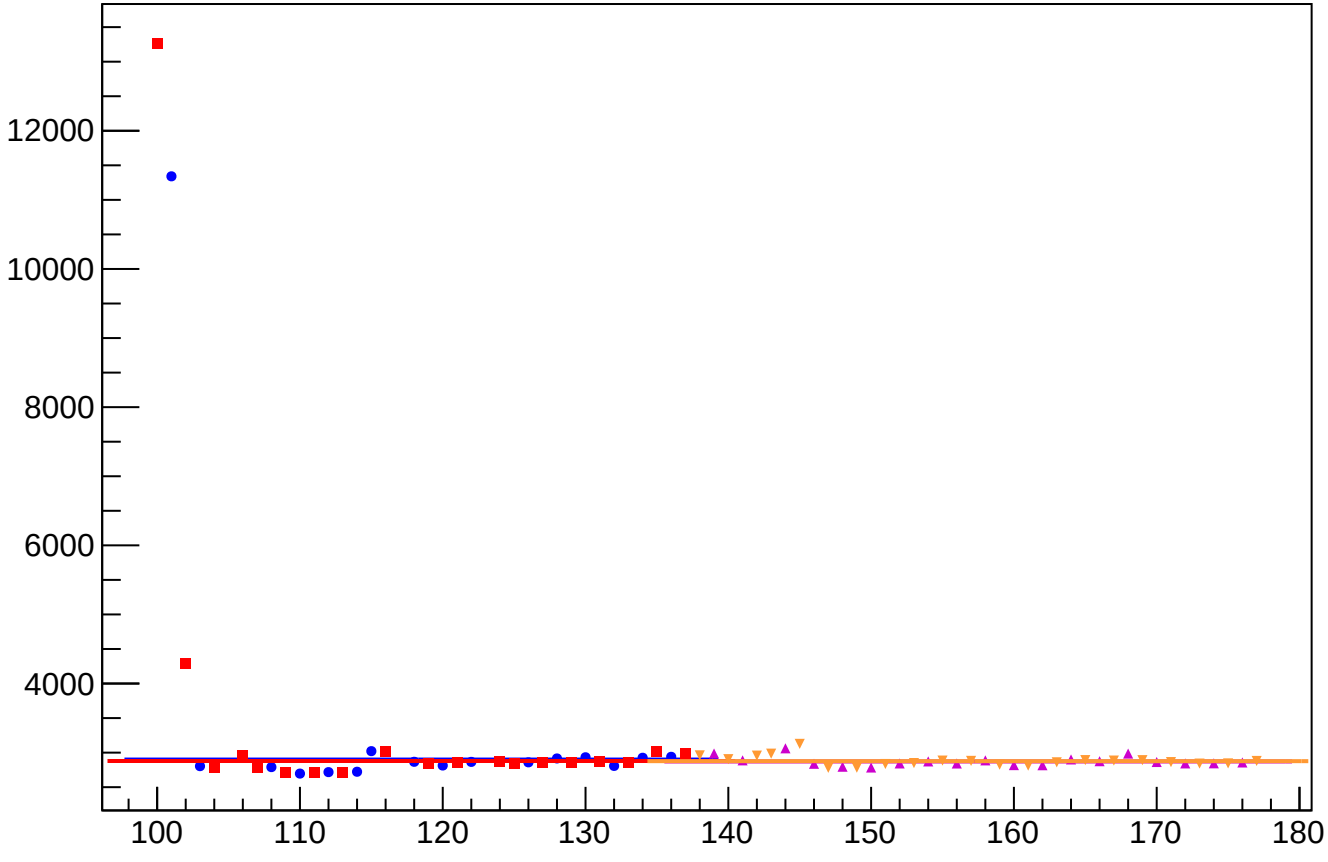
Right: 2171.724+/-771.049 χ^2/NDF: 27.2/34

In: 2115.280+/-608.558 χ^2/NDF:47.7/34

Out: 2537.820+/-589.340 χ^2/NDF:38.1/39

All: 2333.327+/-423.357 χ^2/NDF: 86.0/74

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2876.572+/-0.498 χ^2/NDF:21129.7/20

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

Left In: 2871.955+/-0.515 χ^2/NDF:17370.7/18

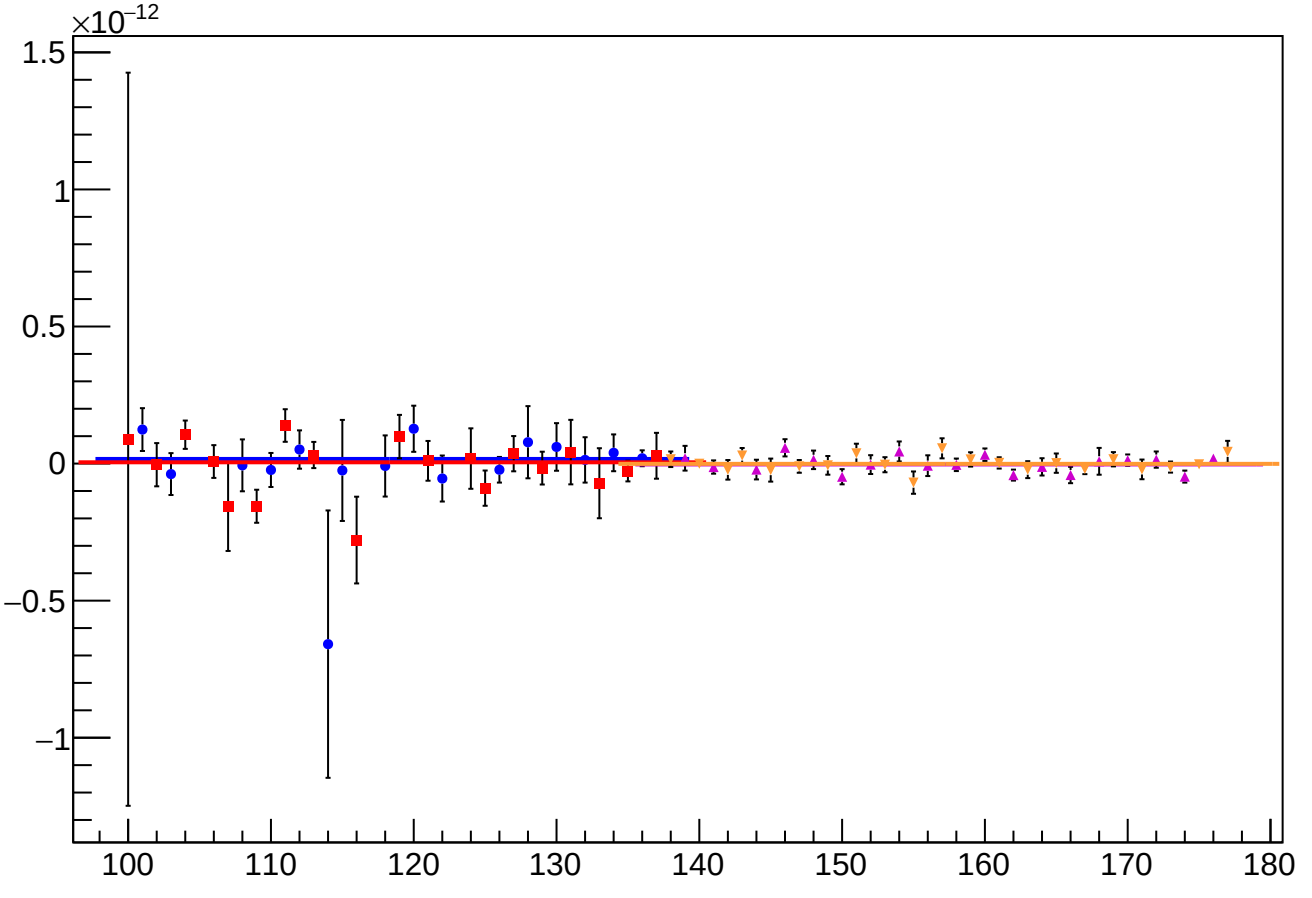
Left: 2874.341+/-0.358 χ^2/NDF: 38541.9/39

Right: 2889.097+/-0.545 χ^2/NDF: 935466.6/34

In: 2880.390+/-0.430 χ^2/NDF:760074.3/34

Out: 2877.289+/-0.417 χ^2/NDF:214419.0/39

All: 2878.790+/-0.299 χ^2/NDF: 974520.1/74



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: -0.000+/-0.000 χ^2/NDF:23.7/18

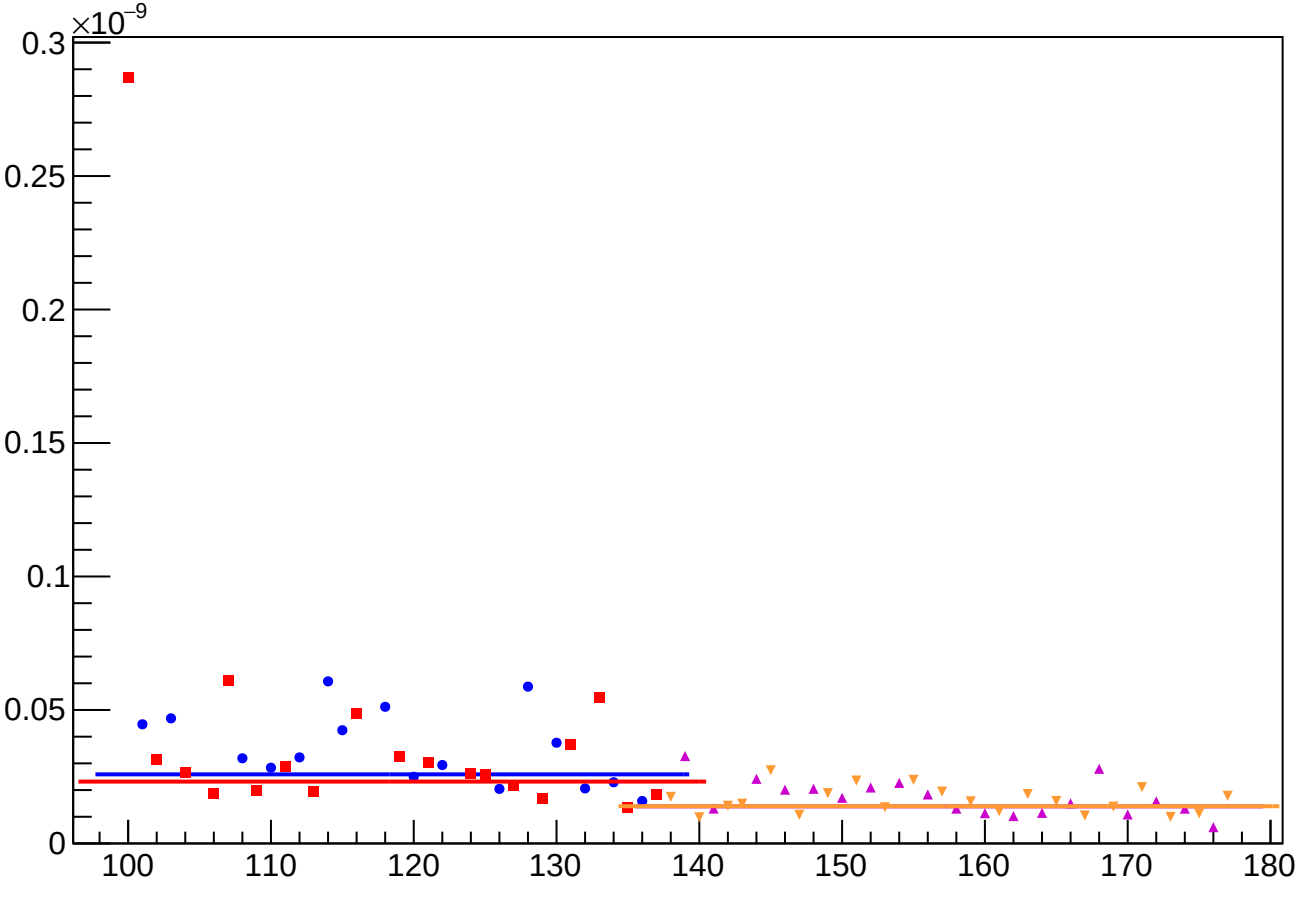
Left: -0.000+/-0.000 χ^2/NDF: 36.7/39

Right: 0.000+/-0.000 χ^2/NDF: 34.9/34

In: -0.000+/-0.000 χ^2/NDF:33.9/34

Out: -0.000+/-0.000 χ^2/NDF:38.8/39

All: -0.000+/-0.000 χ^2/NDF: 72.6/74



Right In: 0.000+/-0.000 χ^2/NDF: 865479.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1102310.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1728929.3/18

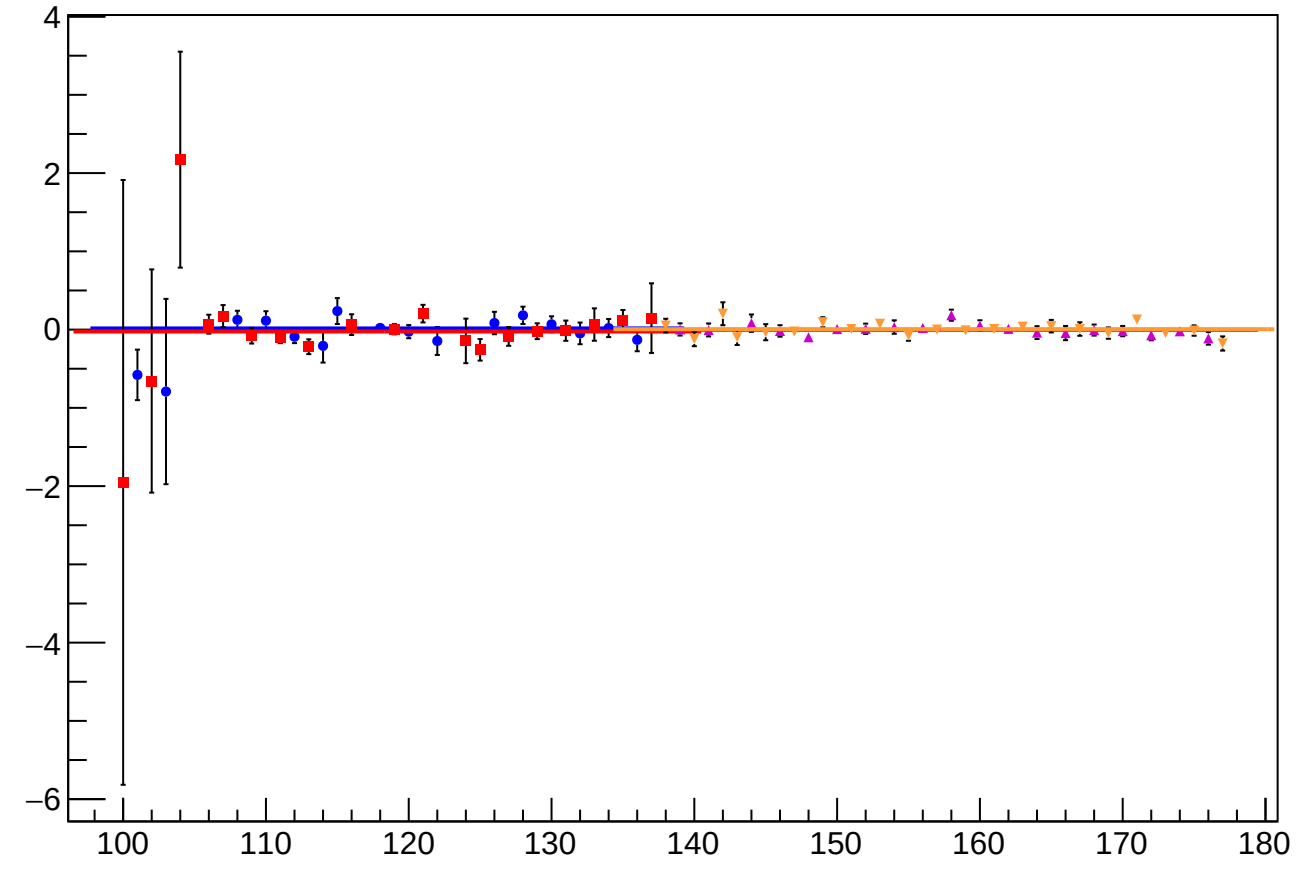
Left: 0.000+/-0.000 χ^2/NDF: 2831328.2/39

Right: 0.000+/-0.000 χ^2/NDF: 1581998.9/34

In: 0.000+/-0.000 χ^2/NDF:3487575.1/34

Out: 0.000+/-0.000 χ^2/NDF:2401428.5/39

All: 0.000+/-0.000 χ^2/NDF: 5890946.1/74



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.005+/-0.015 χ^2/NDF:20.4/20

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: -0.003+/-0.016 χ^2/NDF:14.3/18

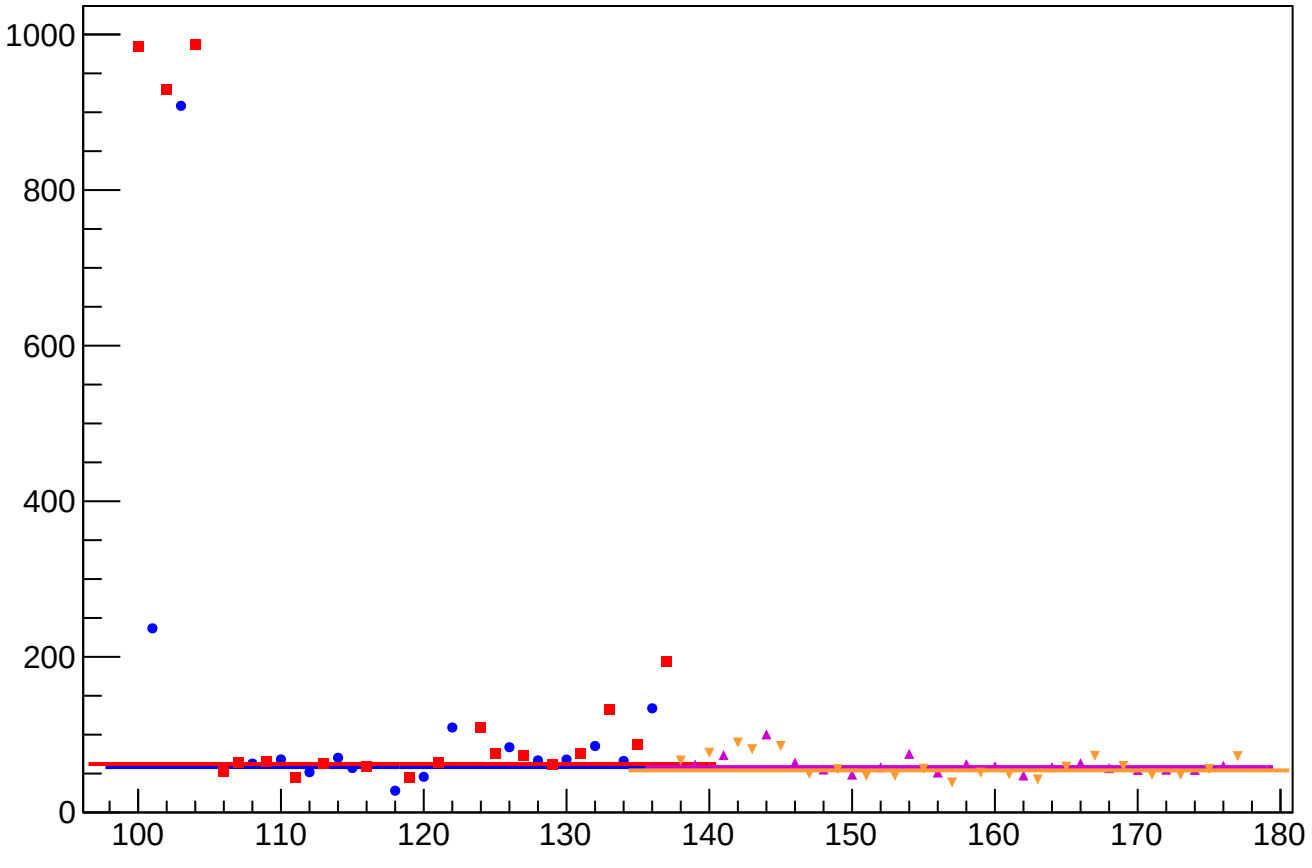
Left: 0.001+/-0.011 χ^2/NDF: 34.8/39

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.001+/-0.014 χ^2/NDF:29.6/34

Out: -0.001+/-0.013 χ^2/NDF:42.0/39

All: -0.000+/-0.010 χ^2/NDF: 71.7/74



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 54.086+/-0.011 χ^2/NDF:1175205.9/20

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 58.297+/-0.011 χ^2/NDF:637659.5/18

Left: 56.038+/-0.008 χ^2/NDF: 1885572.5/39

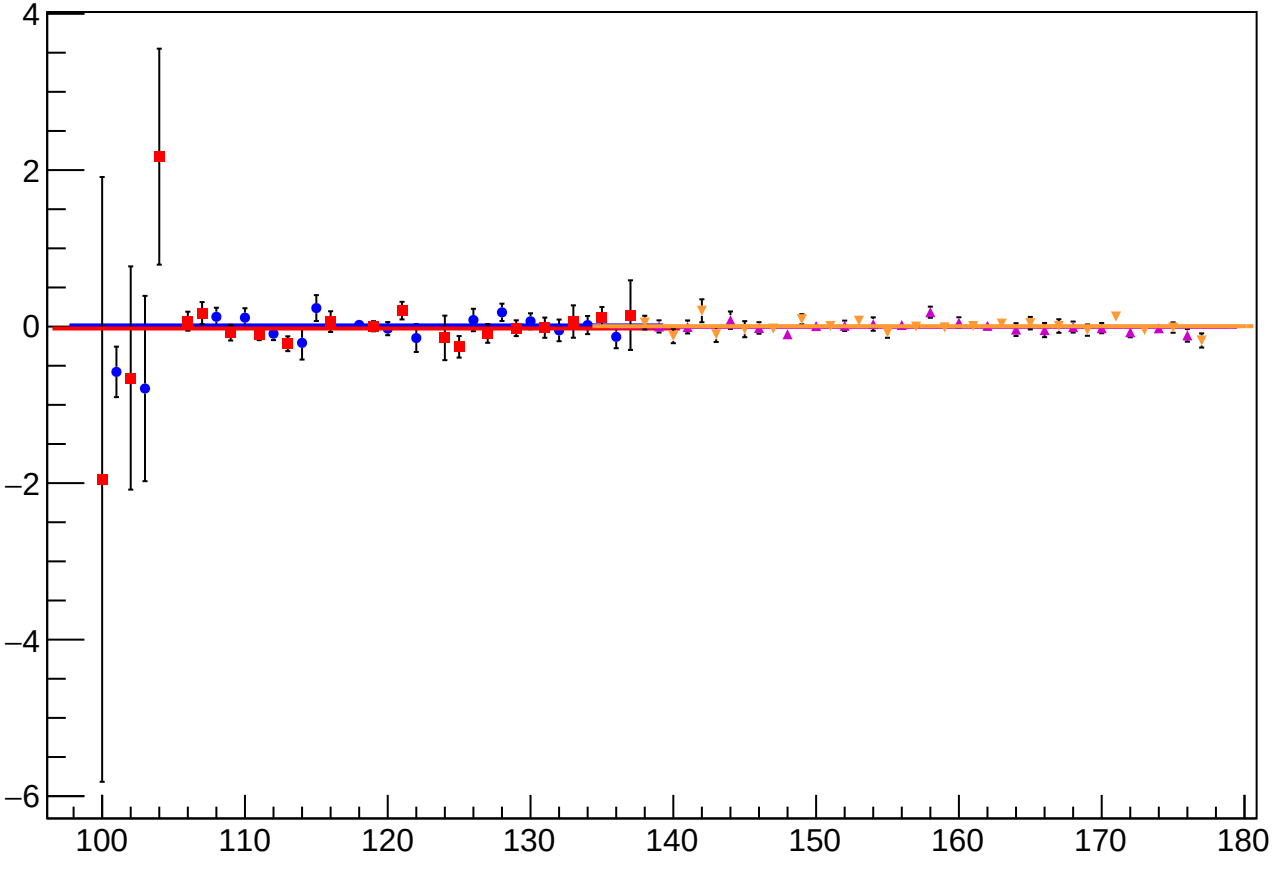
Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 58.301+/-0.010 χ^2/NDF:3898064.2/34

Out: 55.907+/-0.009 χ^2/NDF:3933527.5/39

All: 57.040+/-0.007 χ^2/NDF: 7862462.4/74

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:20.4/20

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: -0.003+/-0.016 χ^2/NDF:14.3/18

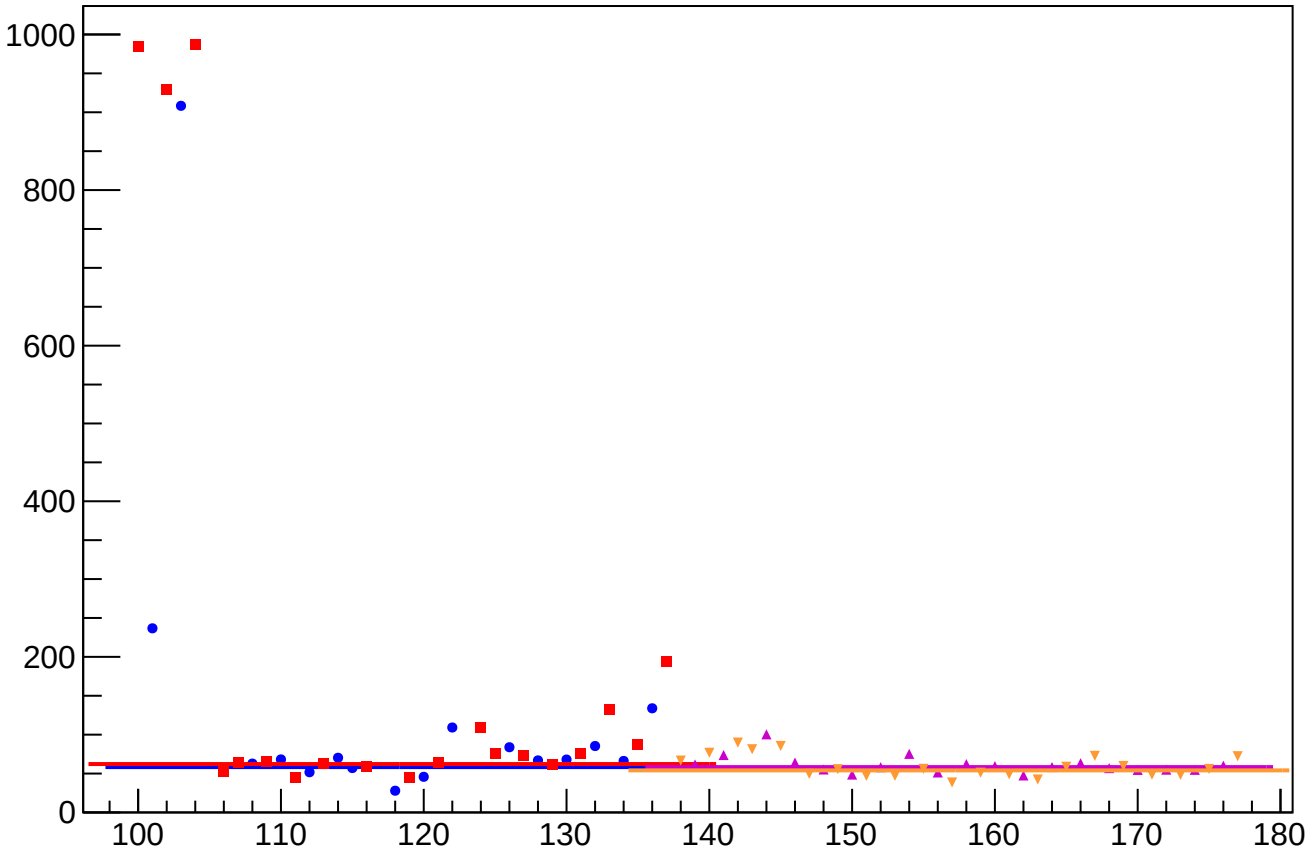
Left: 0.001+/-0.011 χ^2/NDF: 34.8/39

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.001+/-0.014 χ^2/NDF:29.6/34

Out: -0.001+/-0.013 χ^2/NDF:42.0/39

All: -0.000+/-0.010 χ^2/NDF: 71.7/74



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 54.086+/-0.011 χ^2/NDF:1175205.9/20

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 58.297+/-0.011 χ^2/NDF:637659.5/18

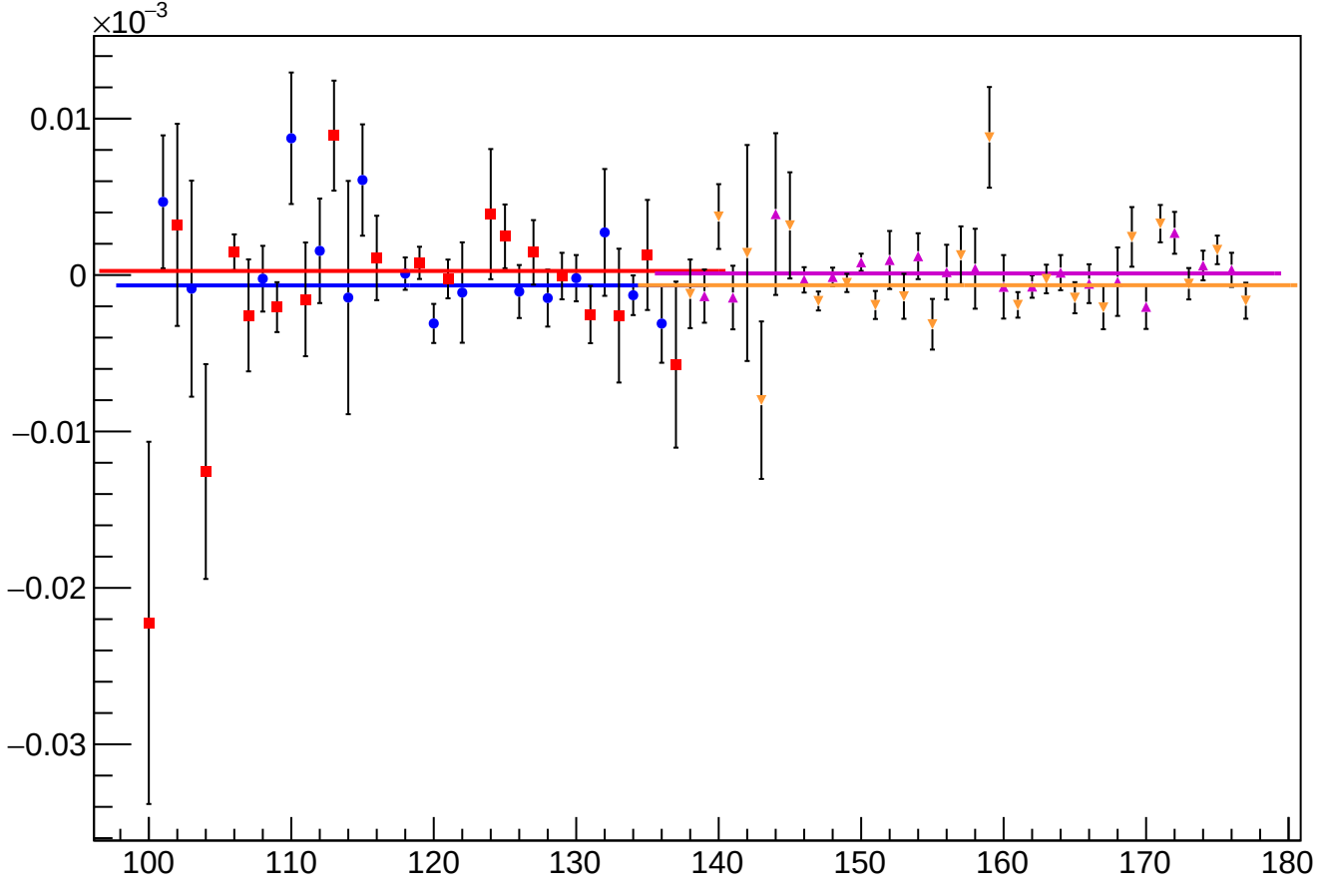
Left: 56.038+/-0.008 χ^2/NDF: 1885572.5/39

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 58.301+/-0.010 χ^2/NDF:3898064.2/34

Out: 55.907+/-0.009 χ^2/NDF:3933527.5/39

All: 57.040+/-0.007 χ^2/NDF: 7862462.4/74



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:49.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/18

Left In: 0.000+/-0.000 χ^2/NDF:12.9/18

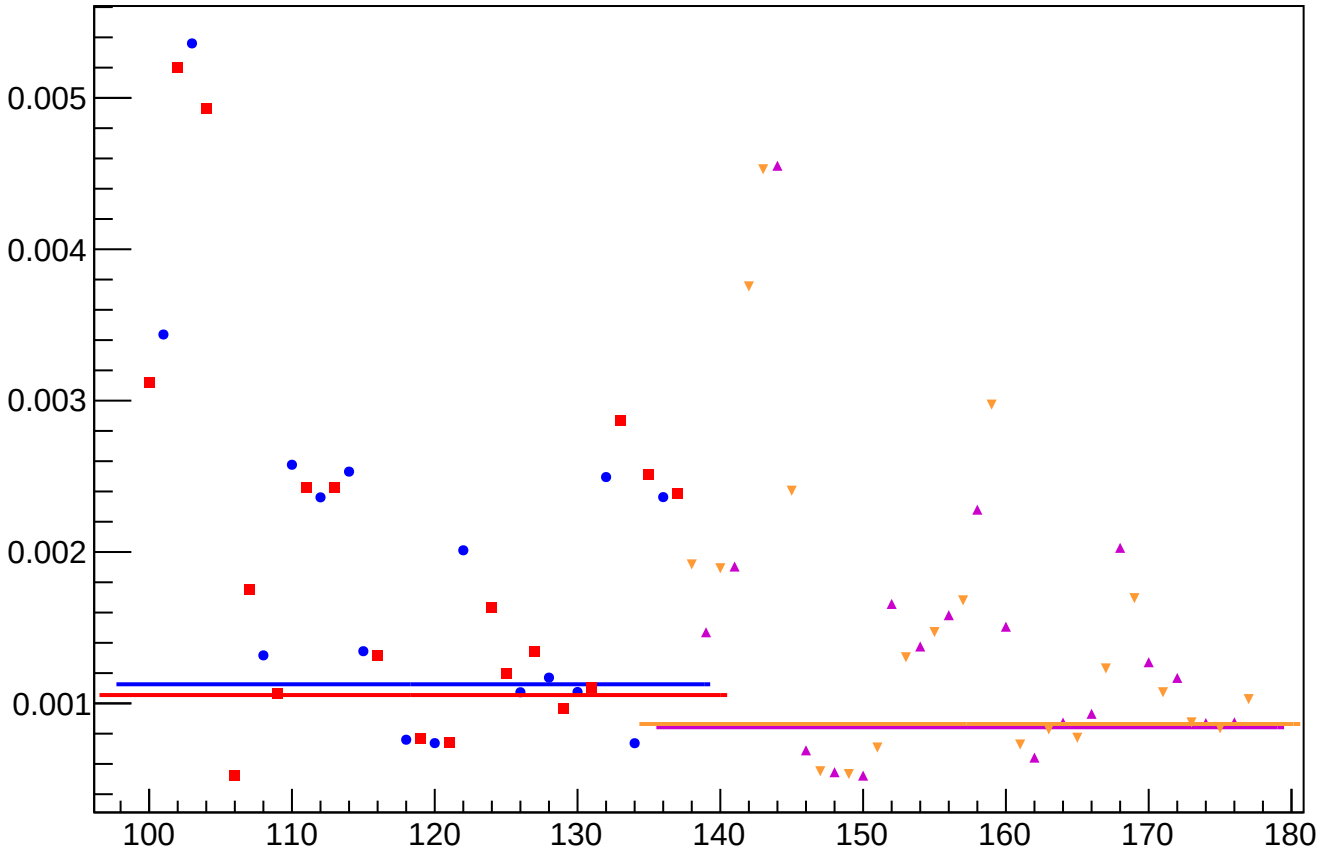
Left: -0.000+/-0.000 χ^2/NDF: 67.4/39

Right: -0.000+/-0.000 χ^2/NDF: 43.7/34

In: -0.000+/-0.000 χ^2/NDF:32.1/34

Out: -0.000+/-0.000 χ^2/NDF:77.4/39

All: -0.000+/-0.000 χ^2/NDF: 111.2/74



Right In: 0.001+/-0.000 χ^2/NDF: 3453081.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:6427677.1/20

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

Left In: 0.001+/-0.000 χ^2/NDF:5998990.8/18

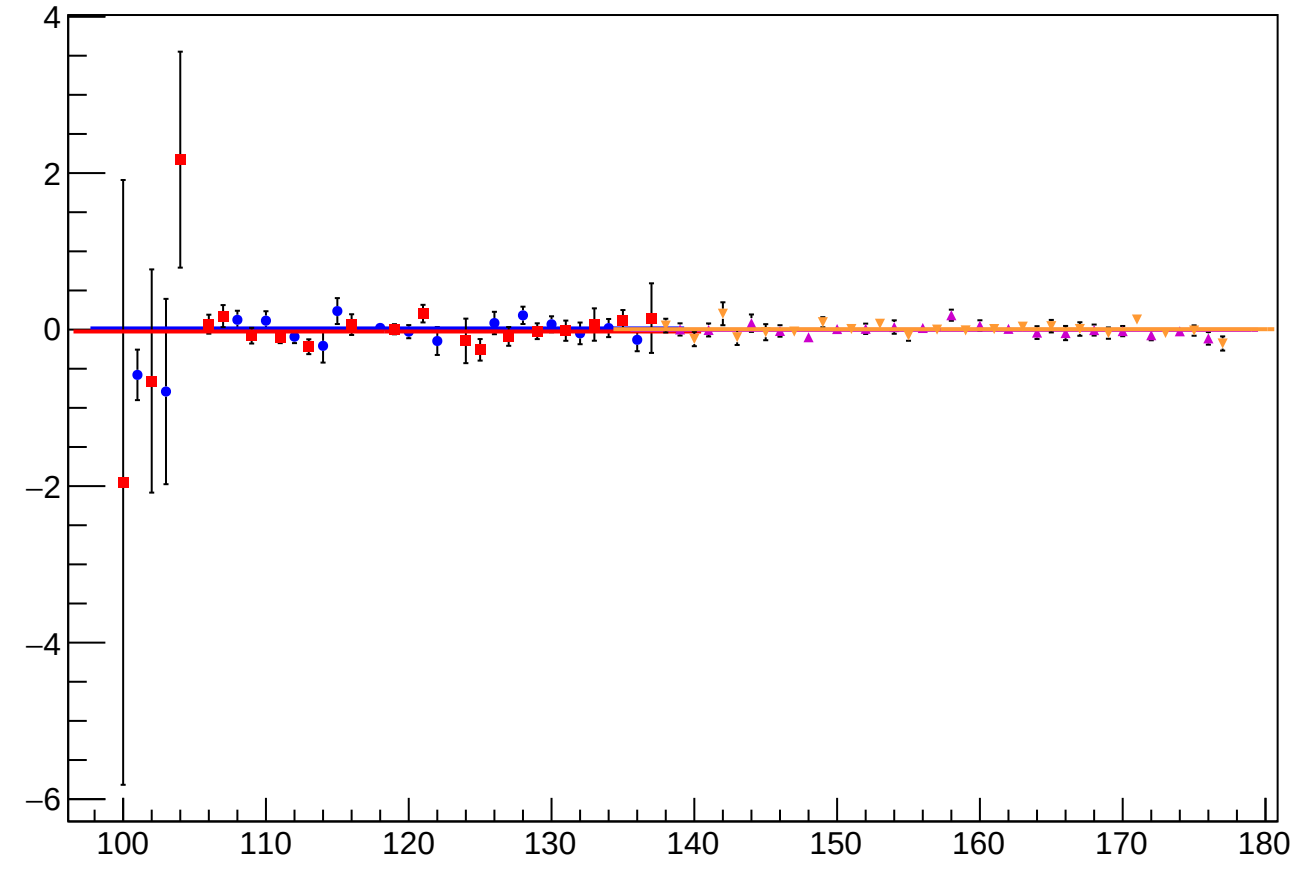
Left: 0.001+/-0.000 χ^2/NDF: 12434333.2/39

Right: 0.001+/-0.000 χ^2/NDF: 7323820.3/34

In: 0.001+/-0.000 χ^2/NDF:9986934.6/34

Out: 0.001+/-0.000 χ^2/NDF:10541858.6/39

All: 0.001+/-0.000 χ^2/NDF: 20529301.0/74



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.005+/-0.015 χ^2/NDF:20.4/20

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: -0.003+/-0.016 χ^2/NDF:14.3/18

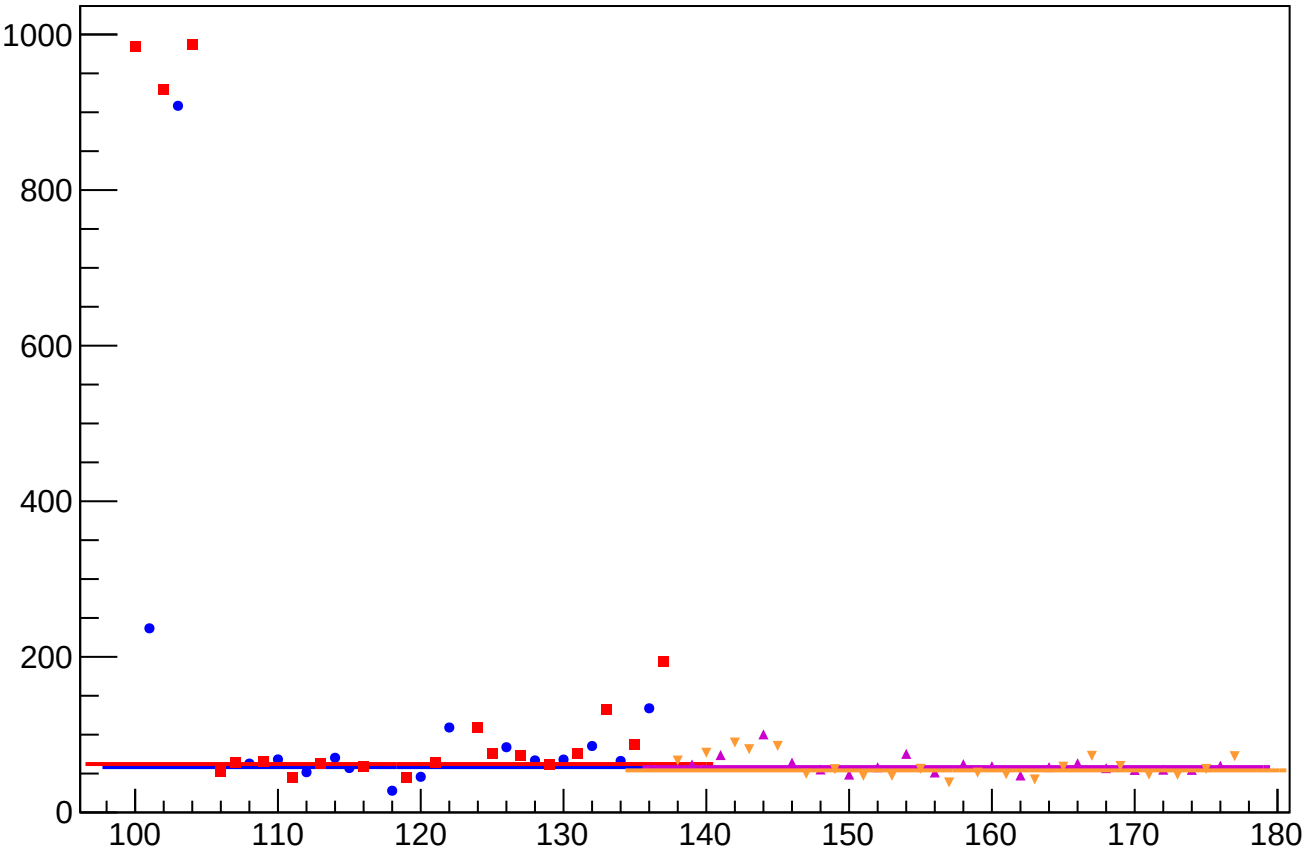
Left: 0.001+/-0.011 χ^2/NDF: 34.8/39

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.001+/-0.014 χ^2/NDF:29.6/34

Out: -0.001+/-0.013 χ^2/NDF:42.0/39

All: -0.000+/-0.010 χ^2/NDF: 71.7/74



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 54.085+/-0.011 χ^2/NDF:1175275.4/20

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 58.297+/-0.011 χ^2/NDF:637682.3/18

Left: 56.038+/-0.008 χ^2/NDF: 1885683.0/39

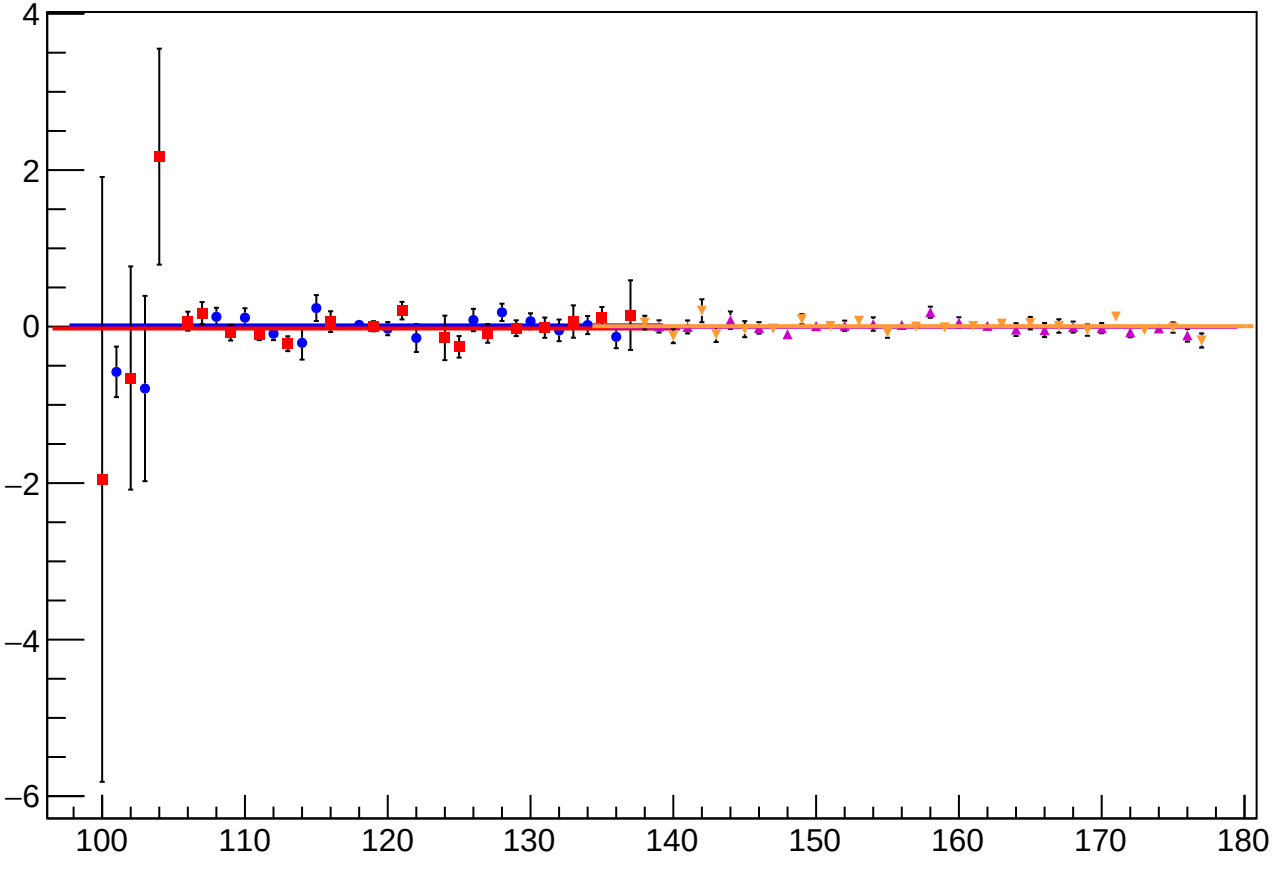
Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 58.301+/-0.010 χ^2/NDF:3898166.9/34

Out: 55.907+/-0.009 χ^2/NDF:3933599.7/39

All: 57.039+/-0.007 χ^2/NDF: 7862643.4/74

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.005+/-0.015 χ^2/NDF:20.4/20

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: -0.003+/-0.016 χ^2/NDF:14.3/18

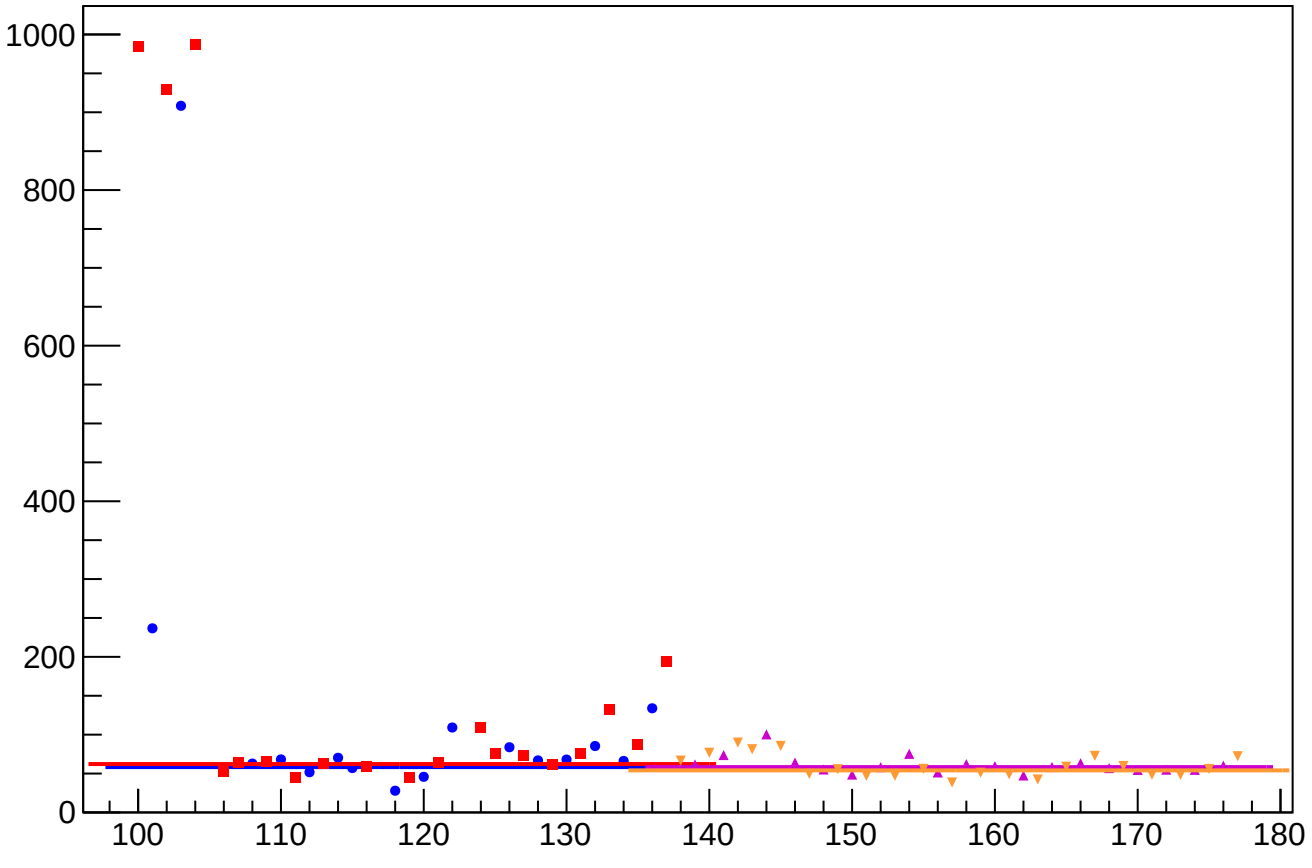
Left: 0.001+/-0.011 χ^2/NDF: 34.8/39

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.001+/-0.014 χ^2/NDF:29.6/34

Out: -0.001+/-0.013 χ^2/NDF:42.0/39

All: -0.000+/-0.010 χ^2/NDF: 71.7/74



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 54.085+/-0.011 χ^2/NDF:1175275.4/20

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 58.297+/-0.011 χ^2/NDF:637682.3/18

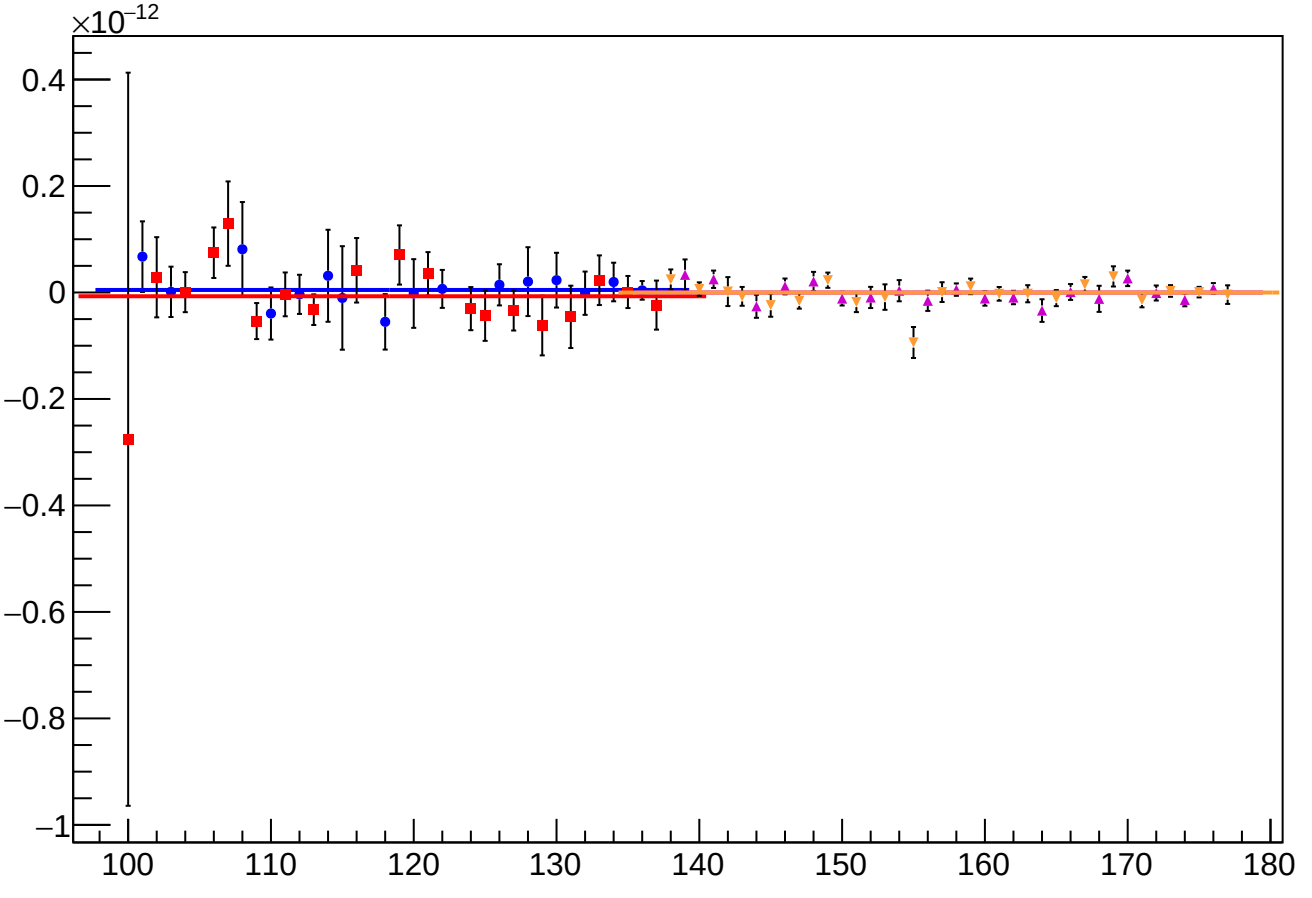
Left: 56.038+/-0.008 χ^2/NDF: 1885683.0/39

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 58.301+/-0.010 χ^2/NDF:3898166.9/34

Out: 55.907+/-0.009 χ^2/NDF:3933599.7/39

All: 57.039+/-0.007 χ^2/NDF: 7862643.4/74



Right In: 0.000+/-0.000 χ^2/NDF: 4.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.6/20

Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:18.2/18

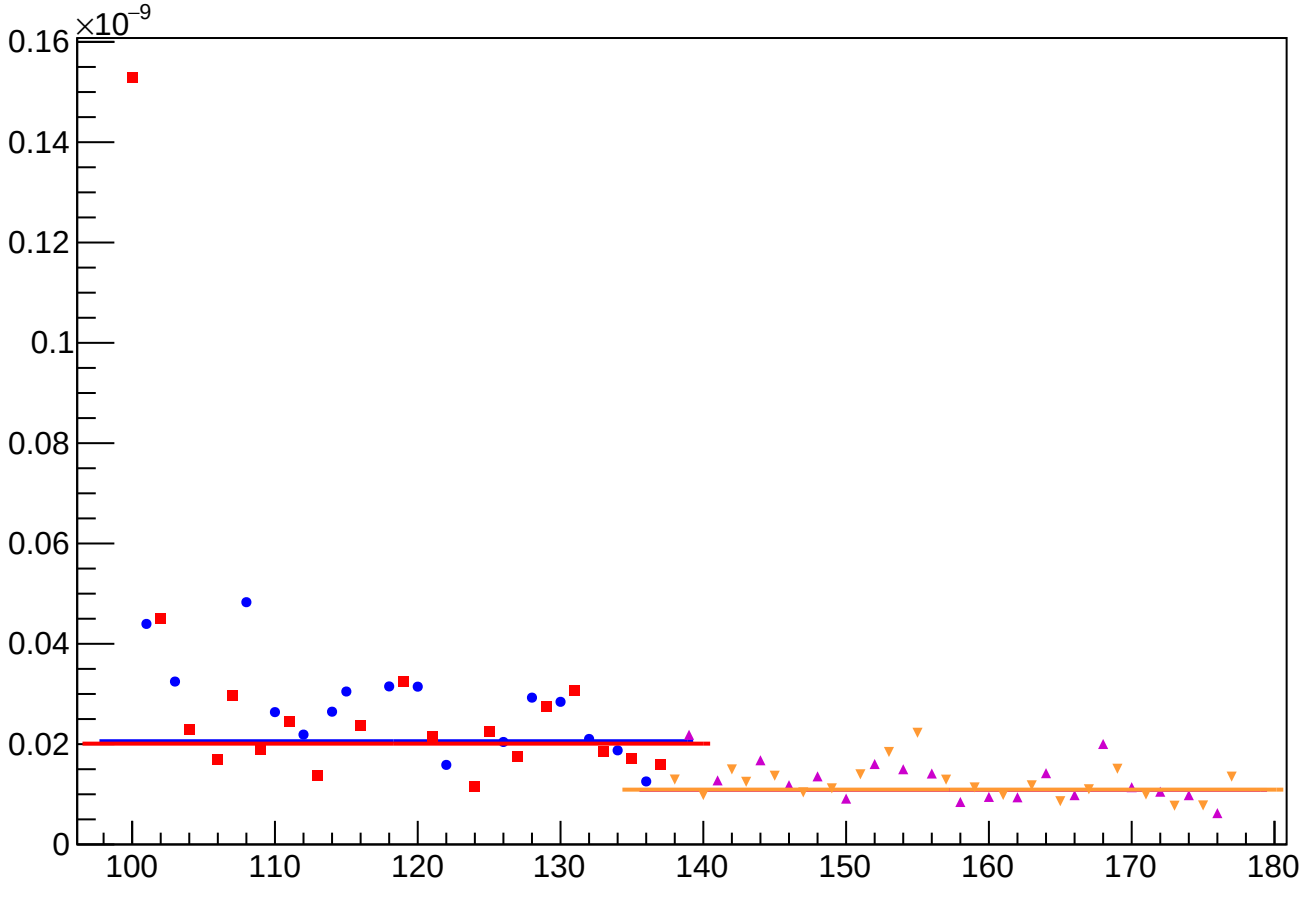
Left: -0.000+/-0.000 χ^2/NDF: 42.8/39

Right: -0.000+/-0.000 χ^2/NDF: 21.2/34

In: 0.000+/-0.000 χ^2/NDF:22.8/34

Out: -0.000+/-0.000 χ^2/NDF:41.2/39

All: -0.000+/-0.000 χ^2/NDF: 64.1/74



Right In: 0.000+/-0.000 χ^2/NDF: 1319631.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1300363.5/20

Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1748721.1/18

Left: 0.000+/-0.000 χ^2/NDF: 3049462.5/39

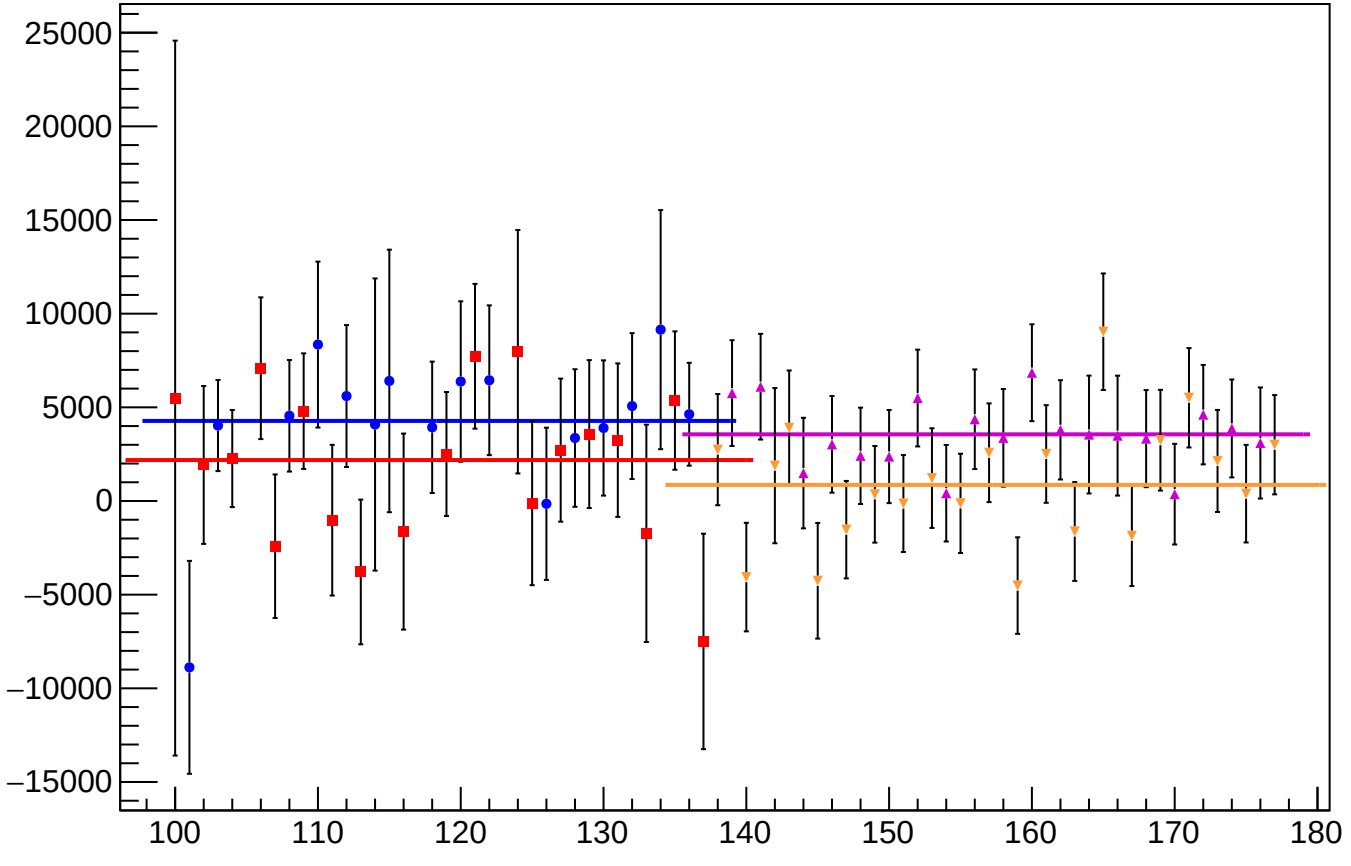
Right: 0.000+/-0.000 χ^2/NDF: 2134051.1/34

In: 0.000+/-0.000 χ^2/NDF:4679663.0/34

Out: 0.000+/-0.000 χ^2/NDF:3591332.0/39

All: 0.000+/-0.000 χ^2/NDF: 8271038.3/74

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: 858.950+/-601.250 χ^2/NDF:27.0/20

Right Out: 2186.264+/-922.104 χ^2/NDF: 14.8/18

Left In: 3558.829+/-620.402 χ^2/NDF:7.8/18

Left: 2166.574+/-431.760 χ^2/NDF: 44.6/39

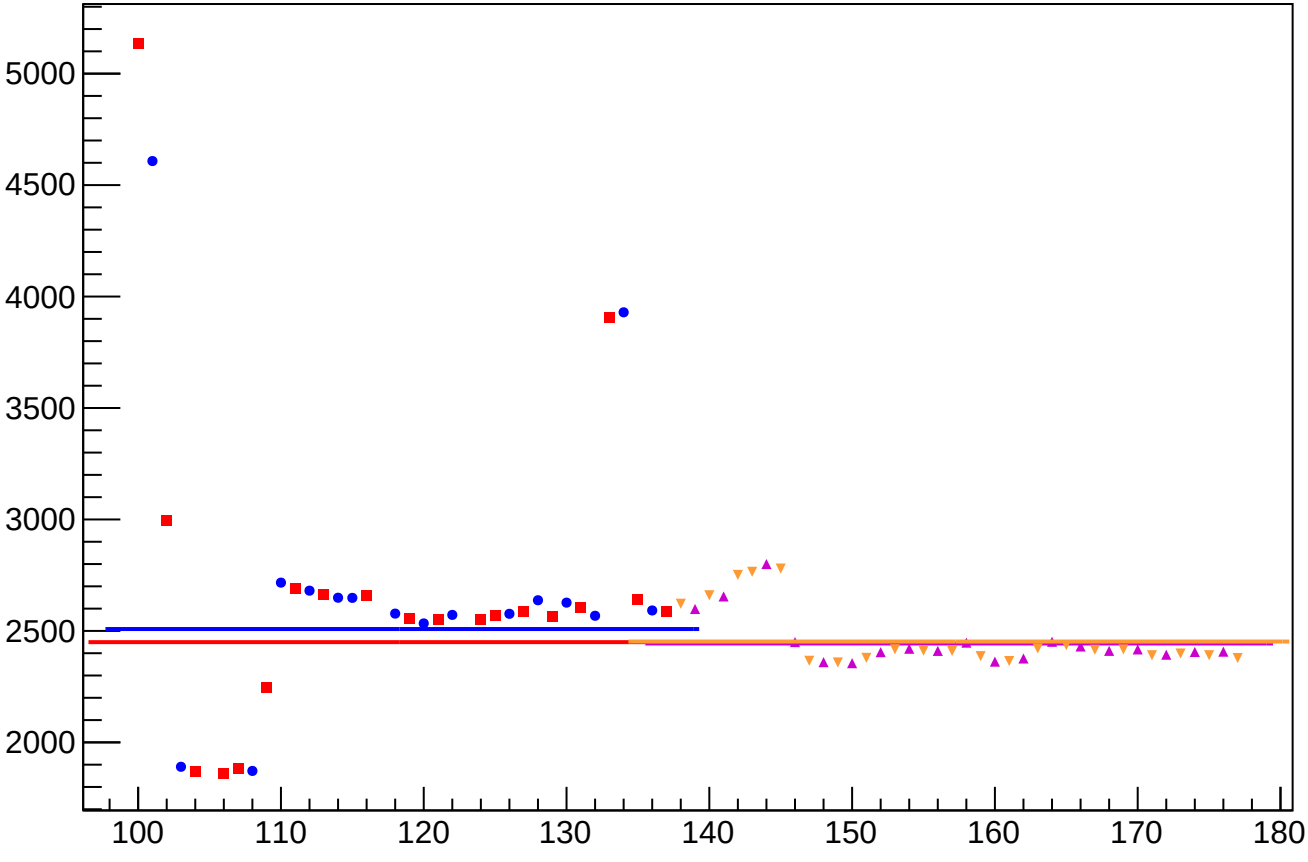
Right: 3197.075+/-662.328 χ^2/NDF: 26.2/34

In: 3772.147+/-519.765 χ^2/NDF:17.1/34

Out: 1254.919+/-503.644 χ^2/NDF:43.3/39

All: 2473.891+/-361.695 χ^2/NDF: 72.5/74

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2452.378+/-0.425 χ^2/NDF:87496.7/20

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

Left In: 2443.512+/-0.439 χ^2/NDF:57254.2/18

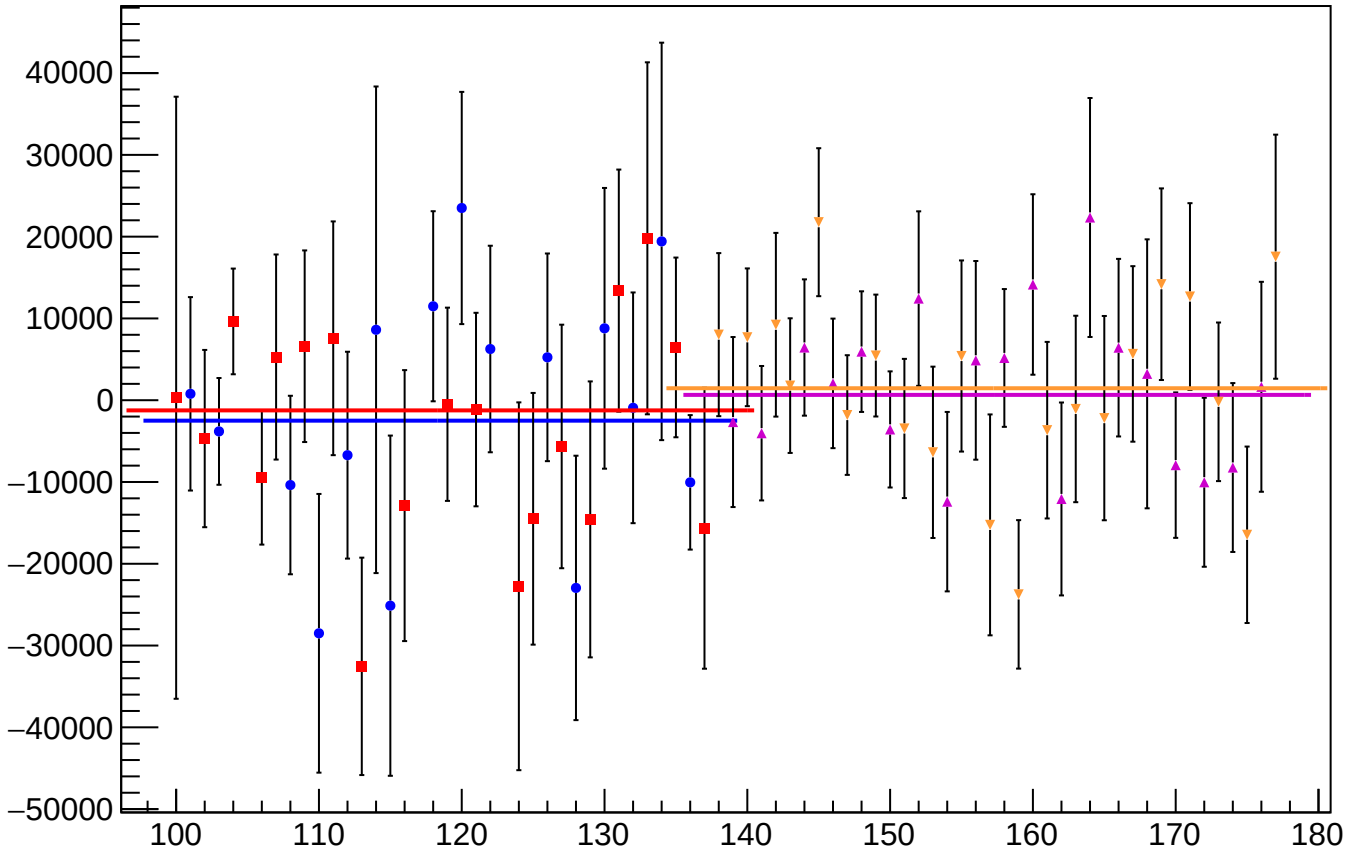
Left: 2448.084+/-0.305 χ^2/NDF: 144961.5/39

Right: 2478.107+/-0.468 χ^2/NDF: 1052433.3/34

In: 2462.876+/-0.368 χ^2/NDF:675379.4/34

Out: 2451.556+/-0.356 χ^2/NDF:524410.2/39

All: 2457.038+/-0.256 χ^2/NDF: 1200278.9/74



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 1463.134+/-2163.545 χ^2/NDF:23.8/20

Right Out: -1244.352+/-2852.739 χ^2/NDF: 16.6/18

Left In: 651.228+/-2234.388 χ^2/NDF:12.8/18

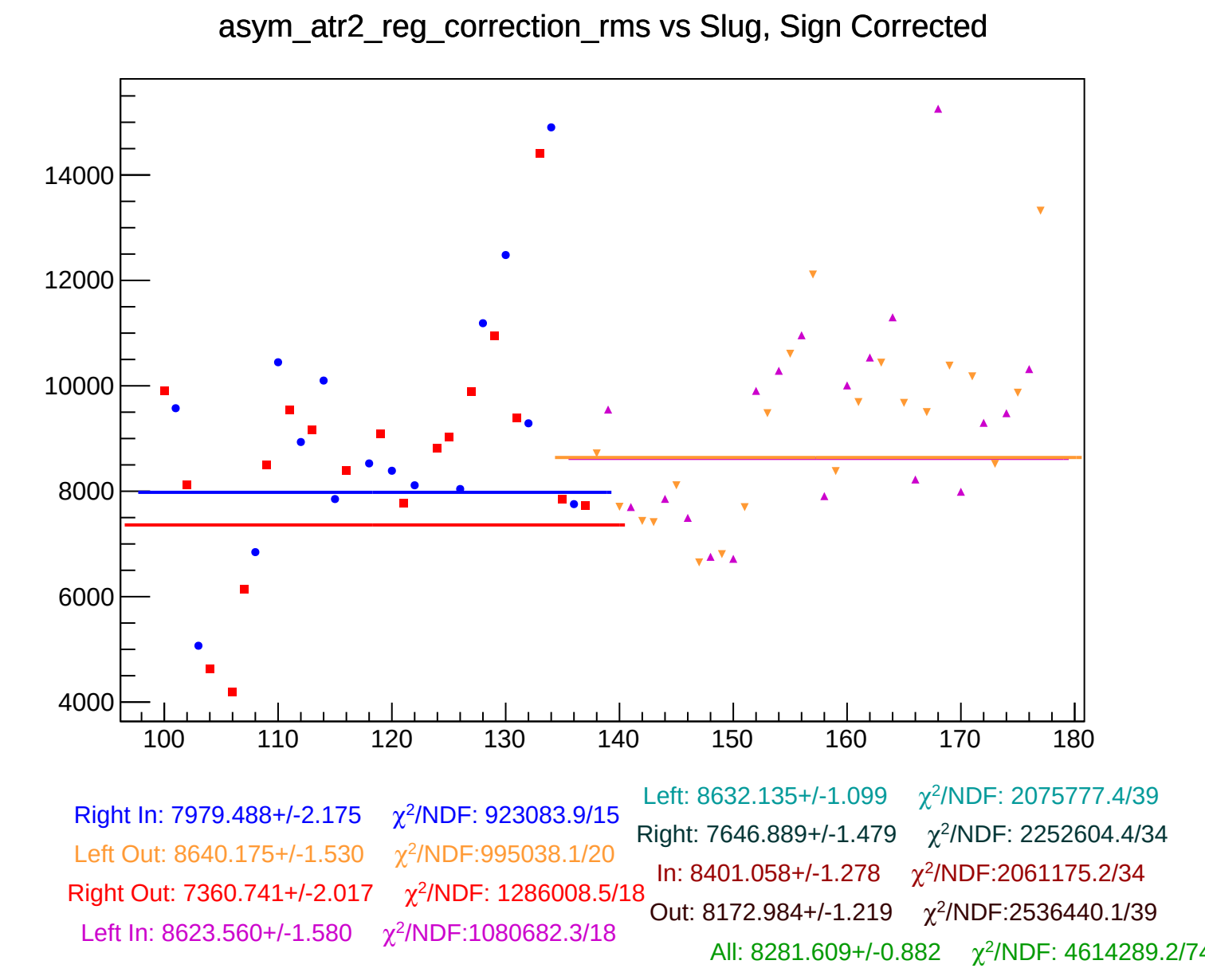
Left: 1070.256+/-1554.299 χ^2/NDF: 36.7/39

Right: -1825.322+/-2091.539 χ^2/NDF: 30.4/34

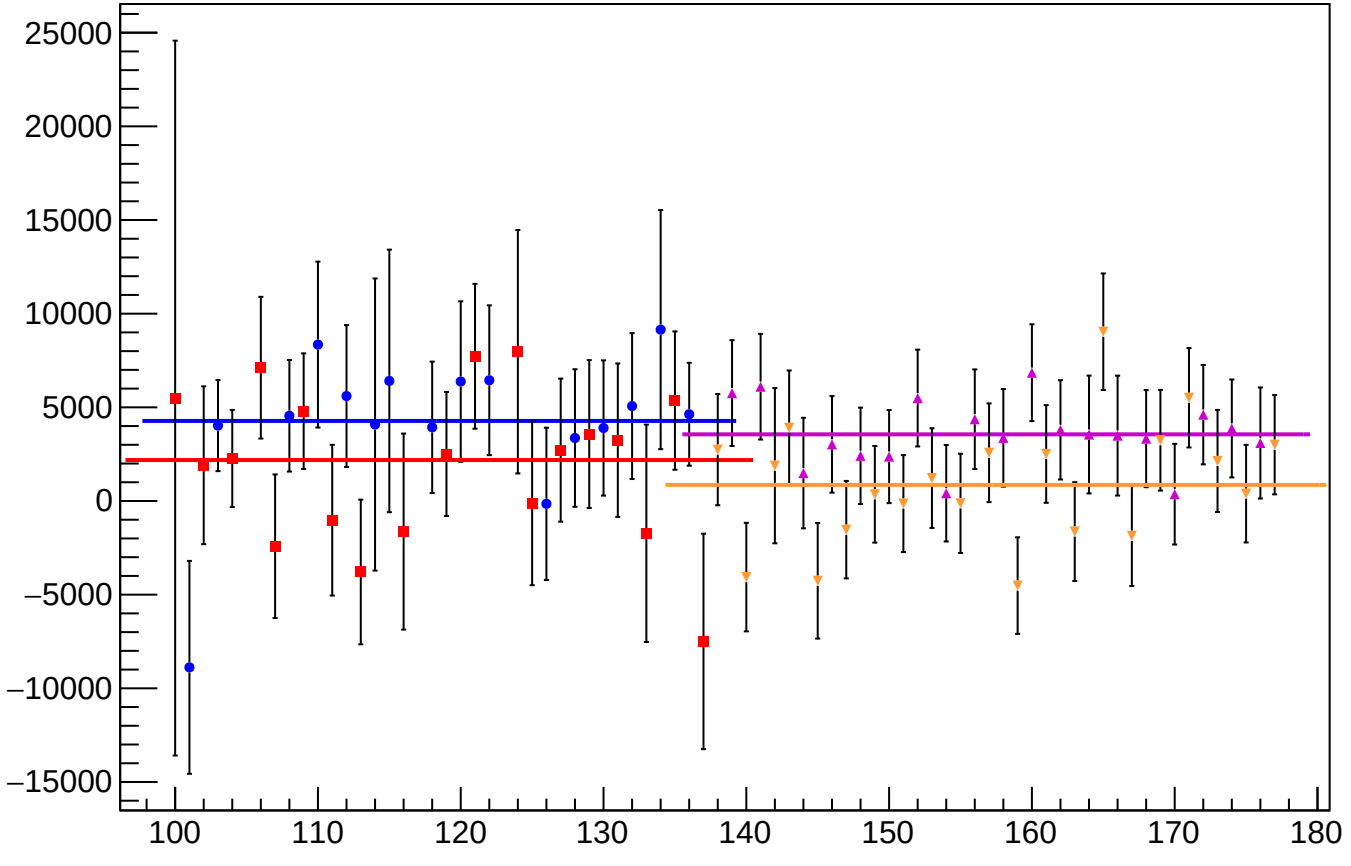
In: -437.606+/-1807.700 χ^2/NDF:27.2/34

Out: 474.484+/-1723.853 χ^2/NDF:41.0/39

All: 40.082+/-1247.537 χ^2/NDF: 68.3/74


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: 8640.175+/-1.530 χ²/NDF:995038.1/20
Right Out: 7360.741+/-2.017 χ²/NDF: 1286008.5/18
Left In: 8623.560+/-1.580 χ²/NDF:1080682.3/18
Left: 8632.135+/-1.099 χ²/NDF: 2075777.4/39
Right: 7646.889+/-1.479 χ²/NDF: 2252604.4/34
In: 8401.058+/-1.278 χ²/NDF:2061175.2/34
Out: 8172.984+/-1.219 χ²/NDF:2536440.1/39
All: 8281.609+/-0.882 χ²/NDF: 4614289.2/74

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 858.808+/-601.250 χ^2/NDF:27.0/20

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 3558.701+/-620.402 χ^2/NDF:7.8/18

Left: 2166.438+/-431.760 χ^2/NDF: 44.6/39

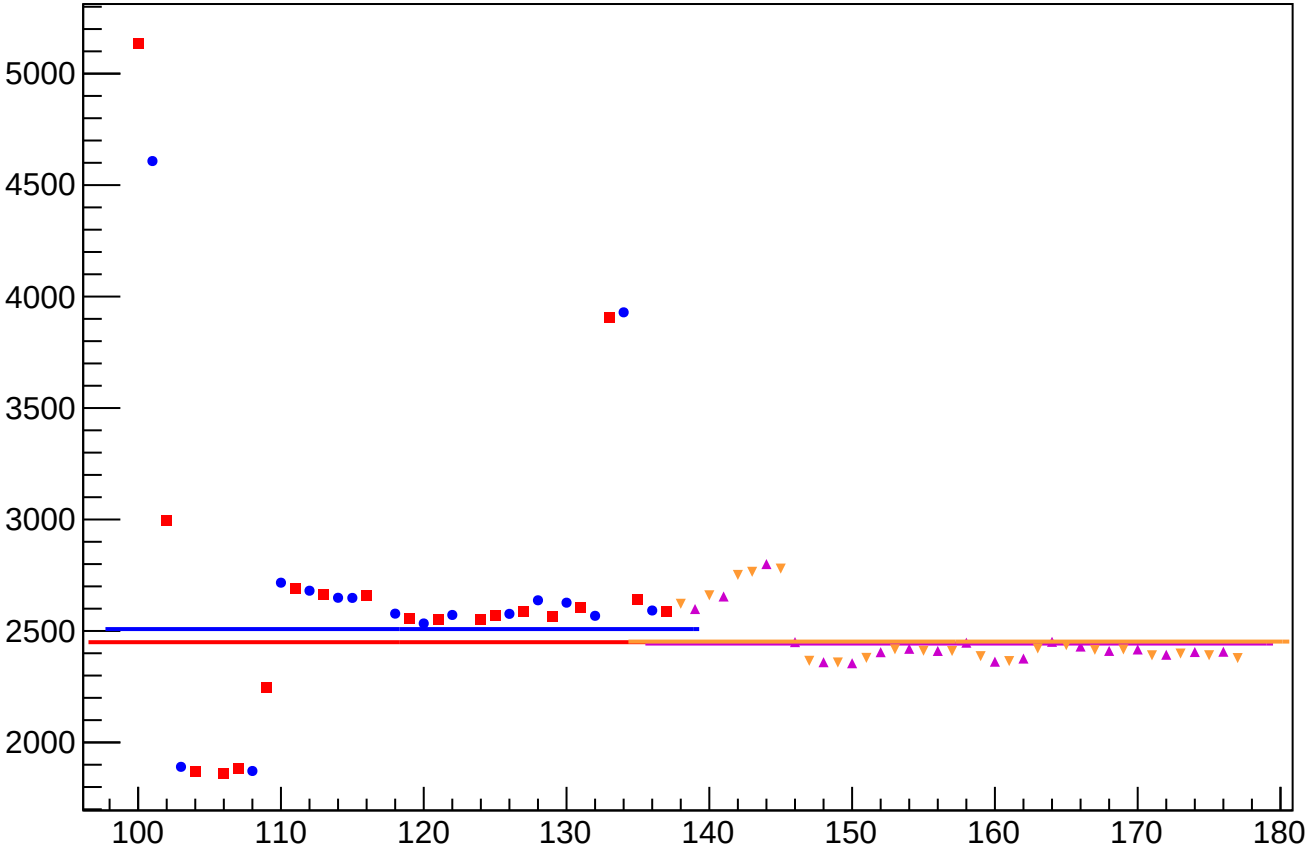
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3771.911+/-519.765 χ^2/NDF:17.1/34

Out: 1255.000+/-503.645 χ^2/NDF:43.3/39

All: 2473.822+/-361.695 χ^2/NDF: 72.5/74

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2452.378+/-0.425 χ^2/NDF:87496.7/20

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2443.512+/-0.439 χ^2/NDF:57254.2/18

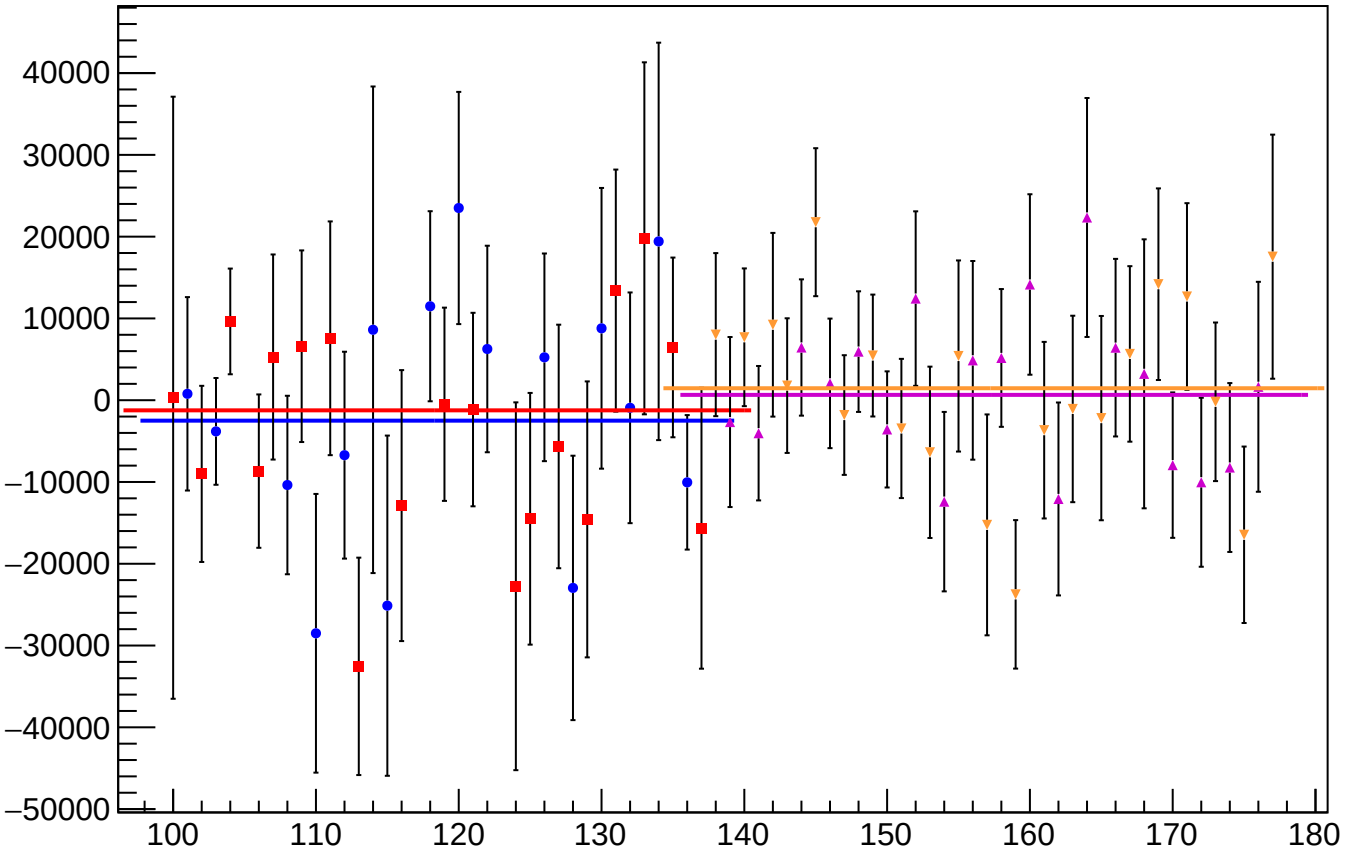
Left: 2448.084+/-0.305 χ^2/NDF: 144961.5/39

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2462.876+/-0.368 χ^2/NDF:675377.4/34

Out: 2451.563+/-0.356 χ^2/NDF:524355.6/39

All: 2457.041+/-0.256 χ^2/NDF: 1200221.7/74



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 1463.145+/-2163.542 χ^2/NDF:23.8/20

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 651.256+/-2234.387 χ^2/NDF:12.8/18

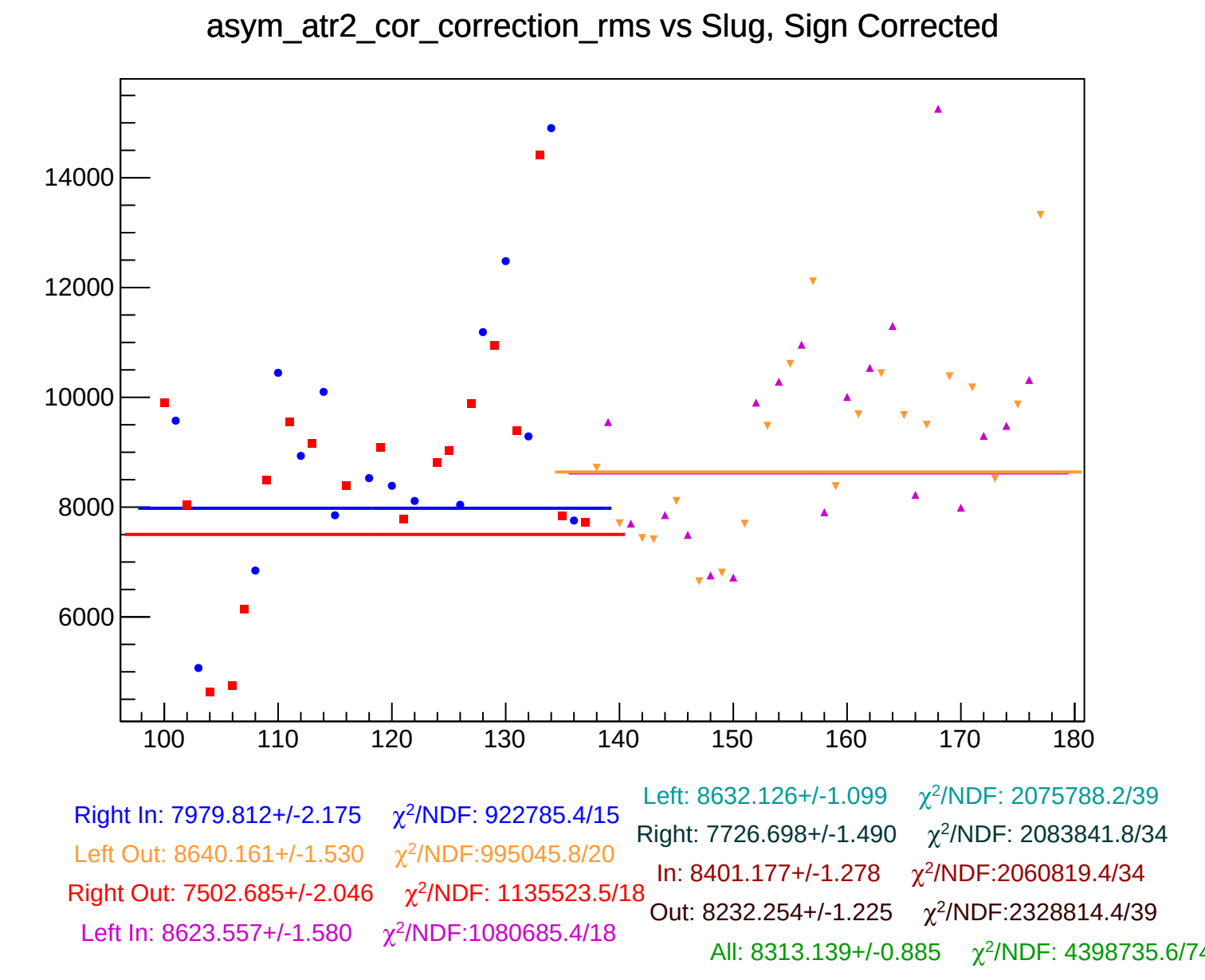
Left: 1070.276+/-1554.298 χ^2/NDF: 36.7/39

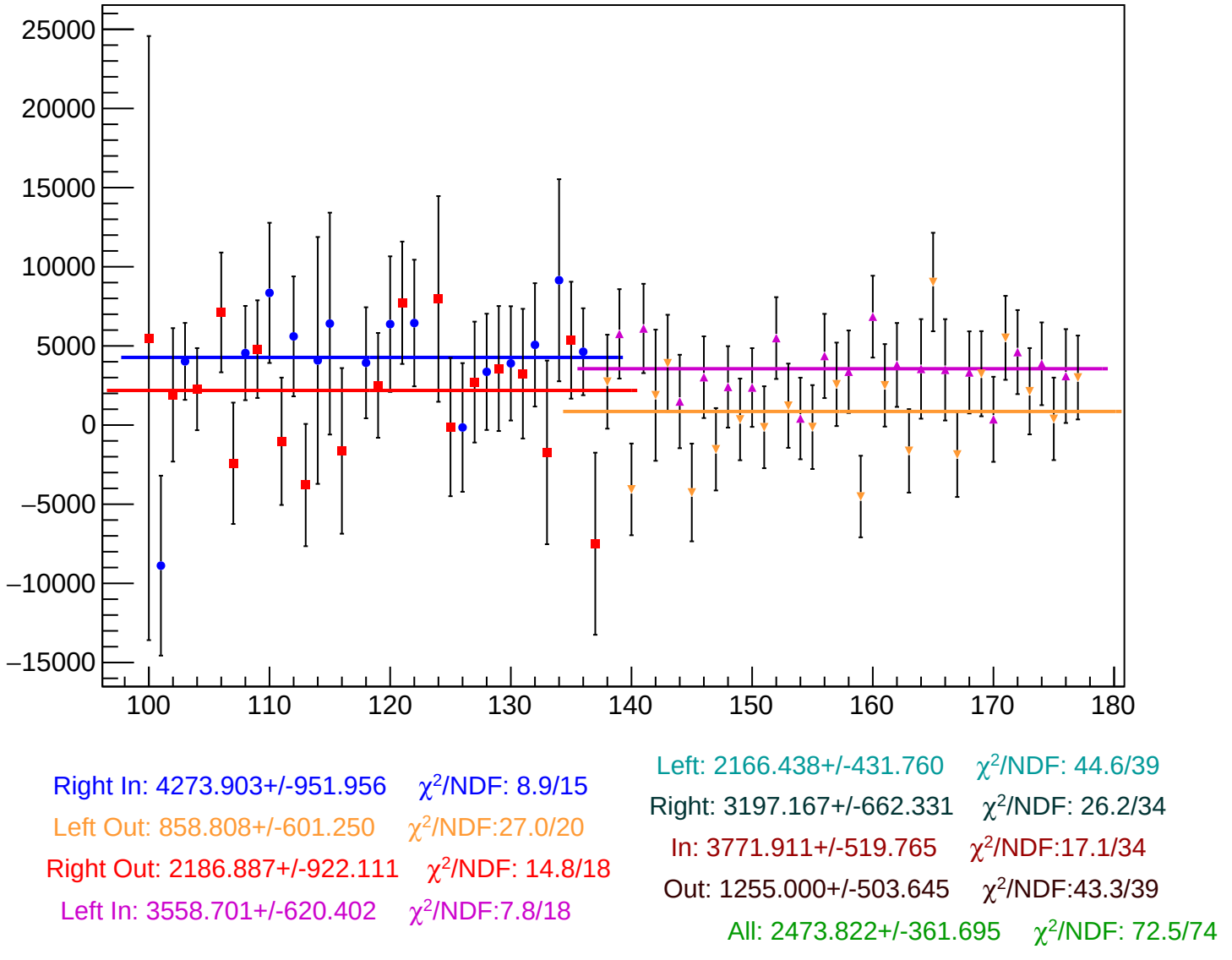
Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

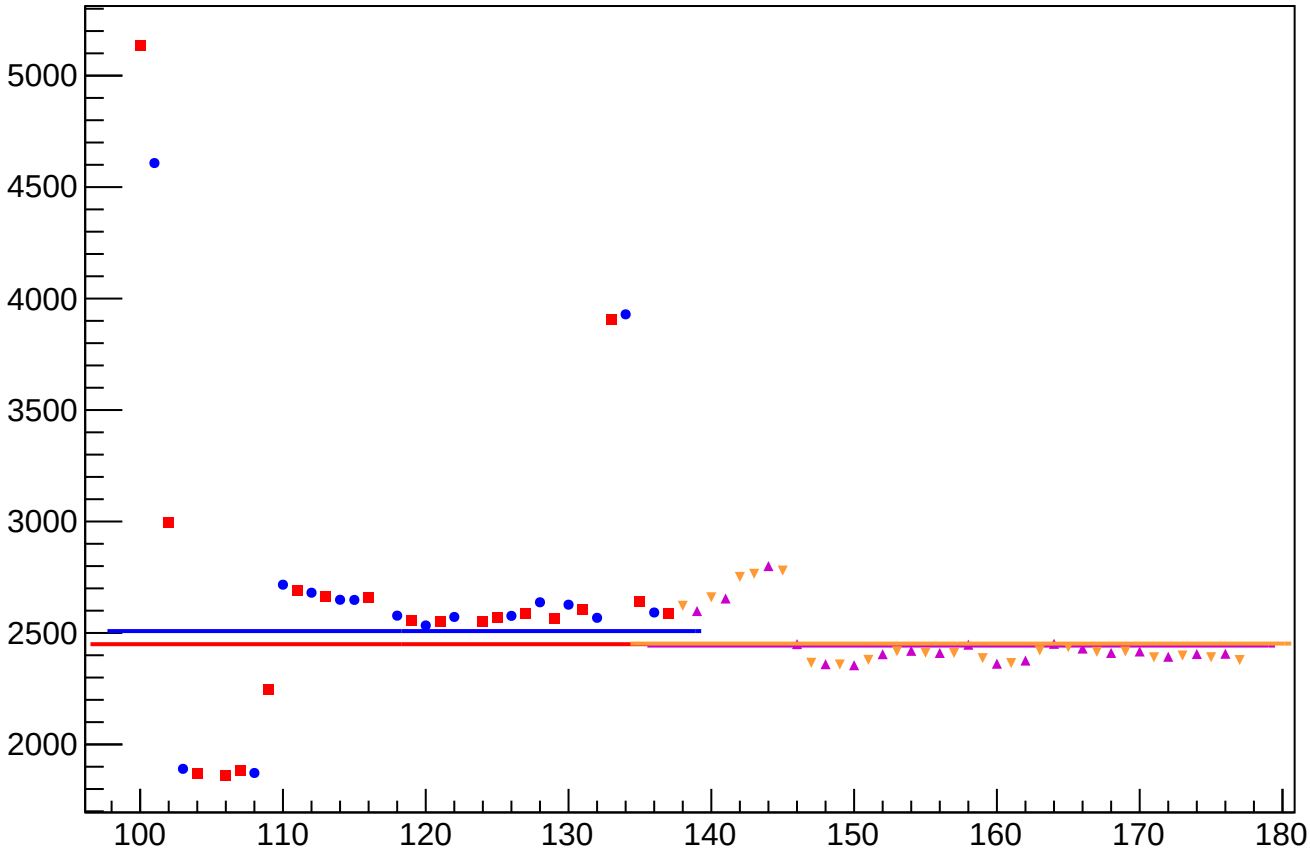
In: -437.469+/-1807.718 χ^2/NDF:27.2/34

Out: 493.816+/-1732.716 χ^2/NDF:41.0/39

All: 47.893+/-1250.890 χ^2/NDF: 68.4/74


asym_atr2_cor_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
180
Right In: 7979.812+/-2.175 χ²/NDF: 922785.4/15
Left Out: 8640.161+/-1.530 χ²/NDF:995045.8/20
Right Out: 7502.685+/-2.046 χ²/NDF: 1135523.5/18
Left In: 8623.557+/-1.580 χ²/NDF:1080685.4/18
Left: 8632.126+/-1.099 χ²/NDF: 2075788.2/39
Right: 7726.698+/-1.490 χ²/NDF: 2083841.8/34
In: 8401.177+/-1.278 χ²/NDF:2060819.4/34
Out: 8232.254+/-1.225 χ²/NDF:2328814.4/39
All: 8313.139+/-0.885 χ²/NDF: 4398735.6/74


eigen_cor_asym_atr2_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: 4273.903+/-951.956 χ²/NDF: 8.9/15
Left Out: 858.808+/-601.250 χ²/NDF:27.0/20
Right Out: 2186.887+/-922.111 χ²/NDF: 14.8/18
Left In: 3558.701+/-620.402 χ²/NDF:7.8/18
Left: 2166.438+/-431.760 χ²/NDF: 44.6/39
Right: 3197.167+/-662.331 χ²/NDF: 26.2/34
In: 3771.911+/-519.765 χ²/NDF:17.1/34
Out: 1255.000+/-503.645 χ²/NDF:43.3/39
All: 2473.822+/-361.695 χ²/NDF: 72.5/74



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2452.378+/-0.425 χ^2/NDF:87496.7/20

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2443.512+/-0.439 χ^2/NDF:57254.2/18

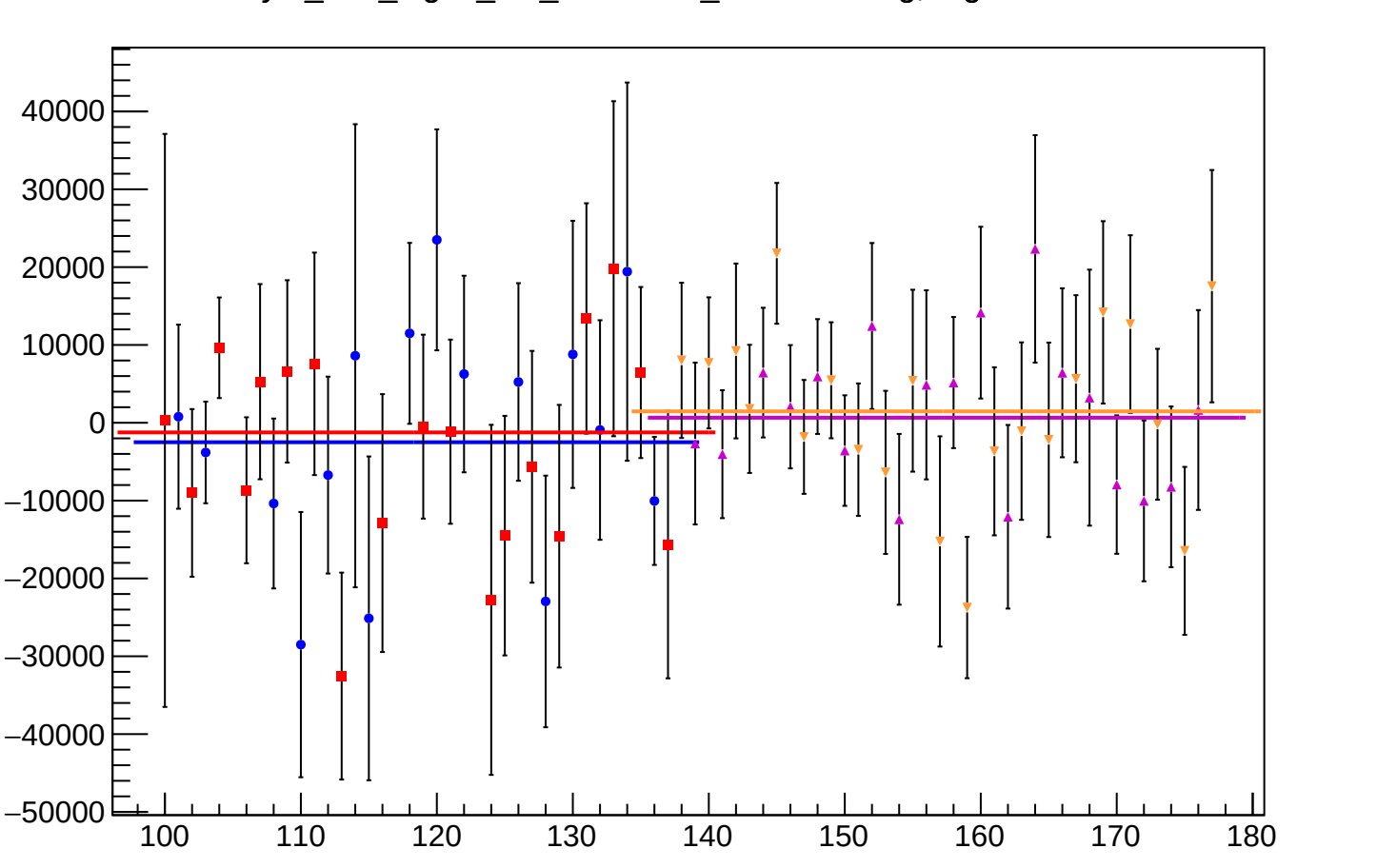
Left: 2448.084+/-0.305 χ^2/NDF: 144961.5/39

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2462.876+/-0.368 χ^2/NDF:675377.4/34

Out: 2451.563+/-0.356 χ^2/NDF:524355.6/39

All: 2457.041+/-0.256 χ^2/NDF: 1200221.7/74



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 1463.145+/-2163.542 χ^2/NDF:23.8/20

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 651.256+/-2234.387 χ^2/NDF:12.8/18

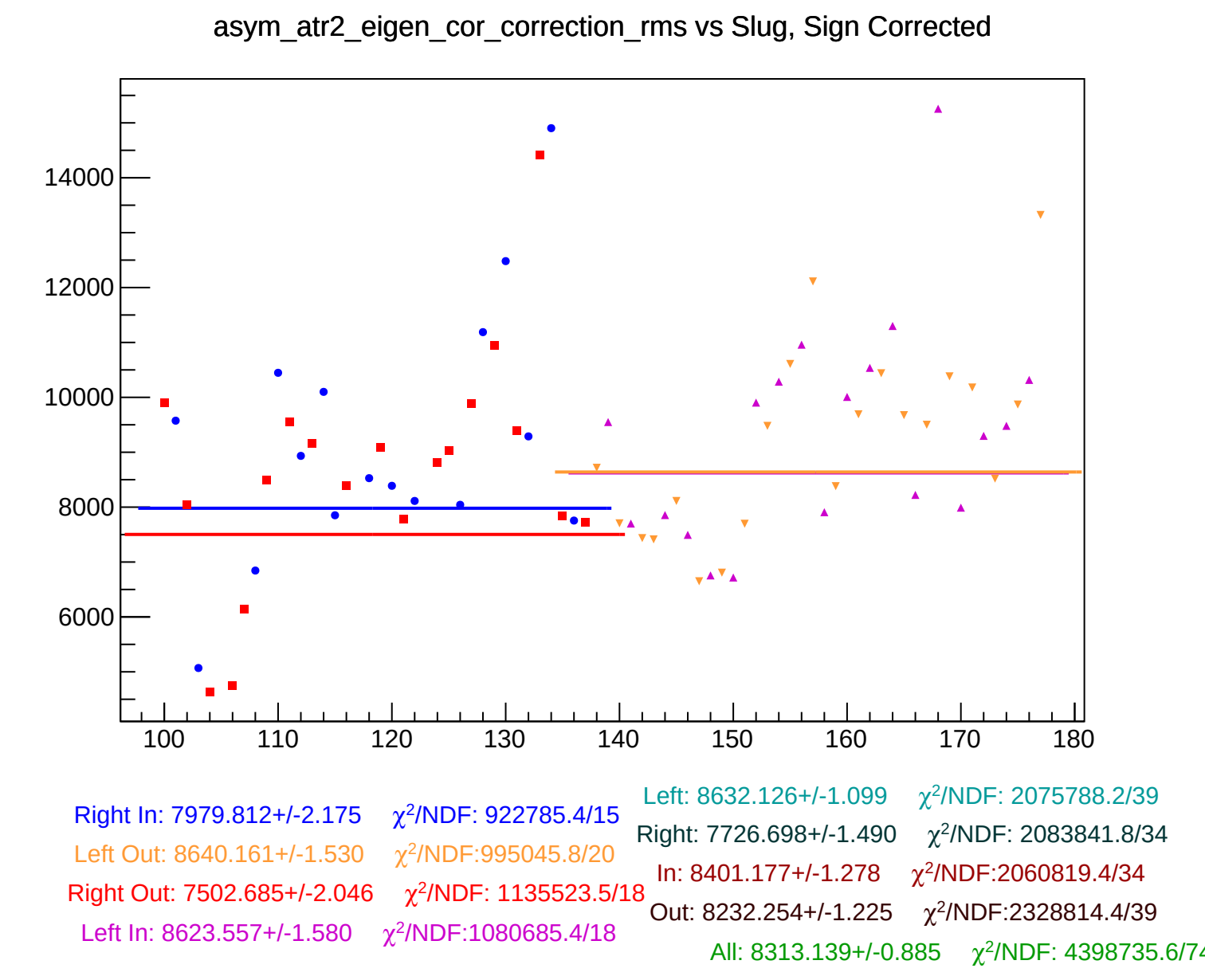
Left: 1070.276+/-1554.298 χ^2/NDF: 36.7/39

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

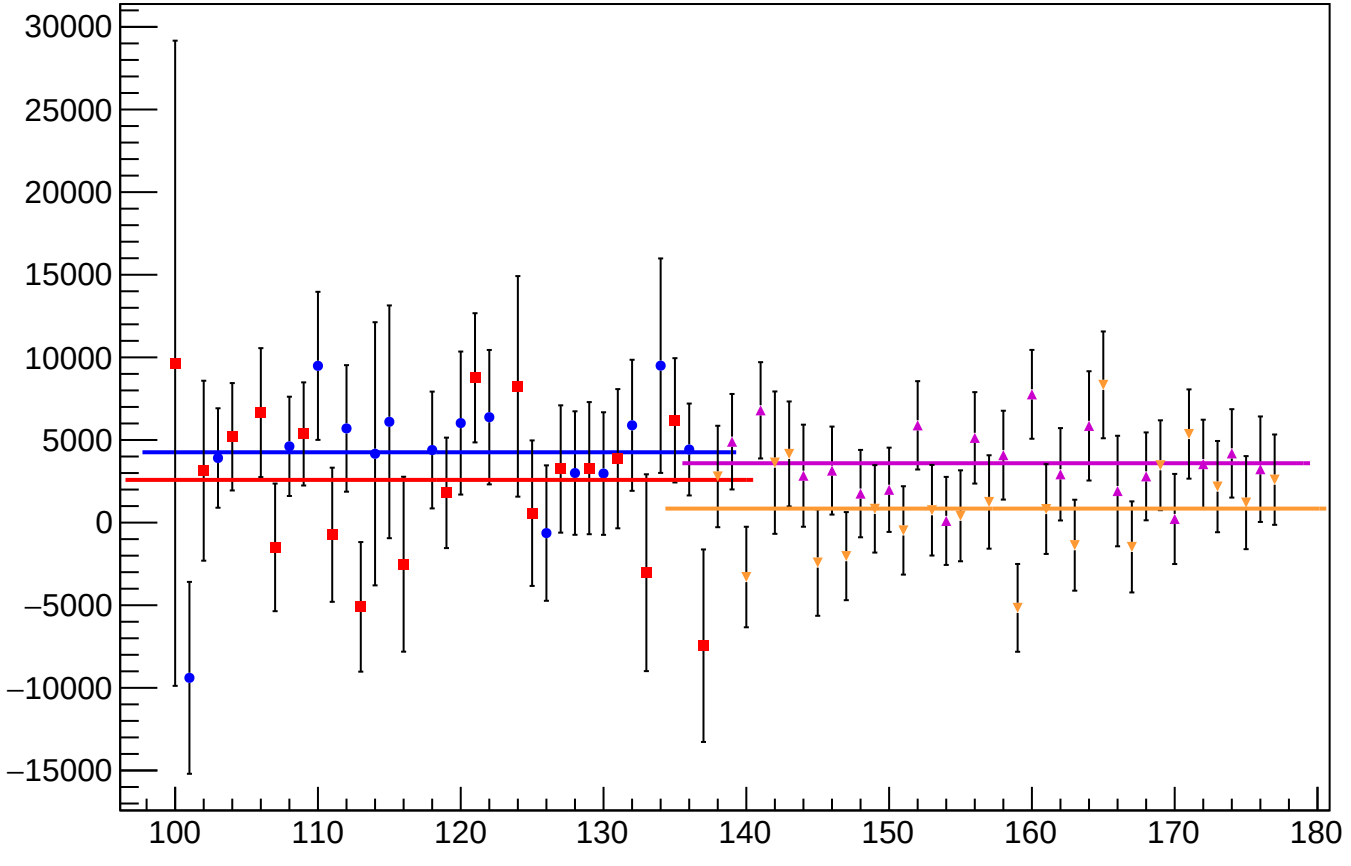
In: -437.469+/-1807.718 χ^2/NDF:27.2/34

Out: 493.816+/-1732.716 χ^2/NDF:41.0/39

All: 47.893+/-1250.890 χ^2/NDF: 68.4/74


asym_atr2_eigen_cor_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
180
Right In: 7979.812+/-2.175 χ²/NDF: 922785.4/15
Left Out: 8640.161+/-1.530 χ²/NDF:995045.8/20
Right Out: 7502.685+/-2.046 χ²/NDF: 1135523.5/18
Left In: 8623.557+/-1.580 χ²/NDF:1080685.4/18
Left: 8632.126+/-1.099 χ²/NDF: 2075788.2/39
Right: 7726.698+/-1.490 χ²/NDF: 2083841.8/34
In: 8401.177+/-1.278 χ²/NDF:2060819.4/34
Out: 8232.254+/-1.225 χ²/NDF:2328814.4/39
All: 8313.139+/-0.885 χ²/NDF: 4398735.6/74

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 848.551+/-622.923 χ^2/NDF:22.5/20

Right Out: 2584.689+/-966.049 χ^2/NDF: 17.6/18

Left In: 3593.750+/-641.571 χ^2/NDF:10.0/18

Left: 2180.675+/-446.921 χ^2/NDF: 41.9/39

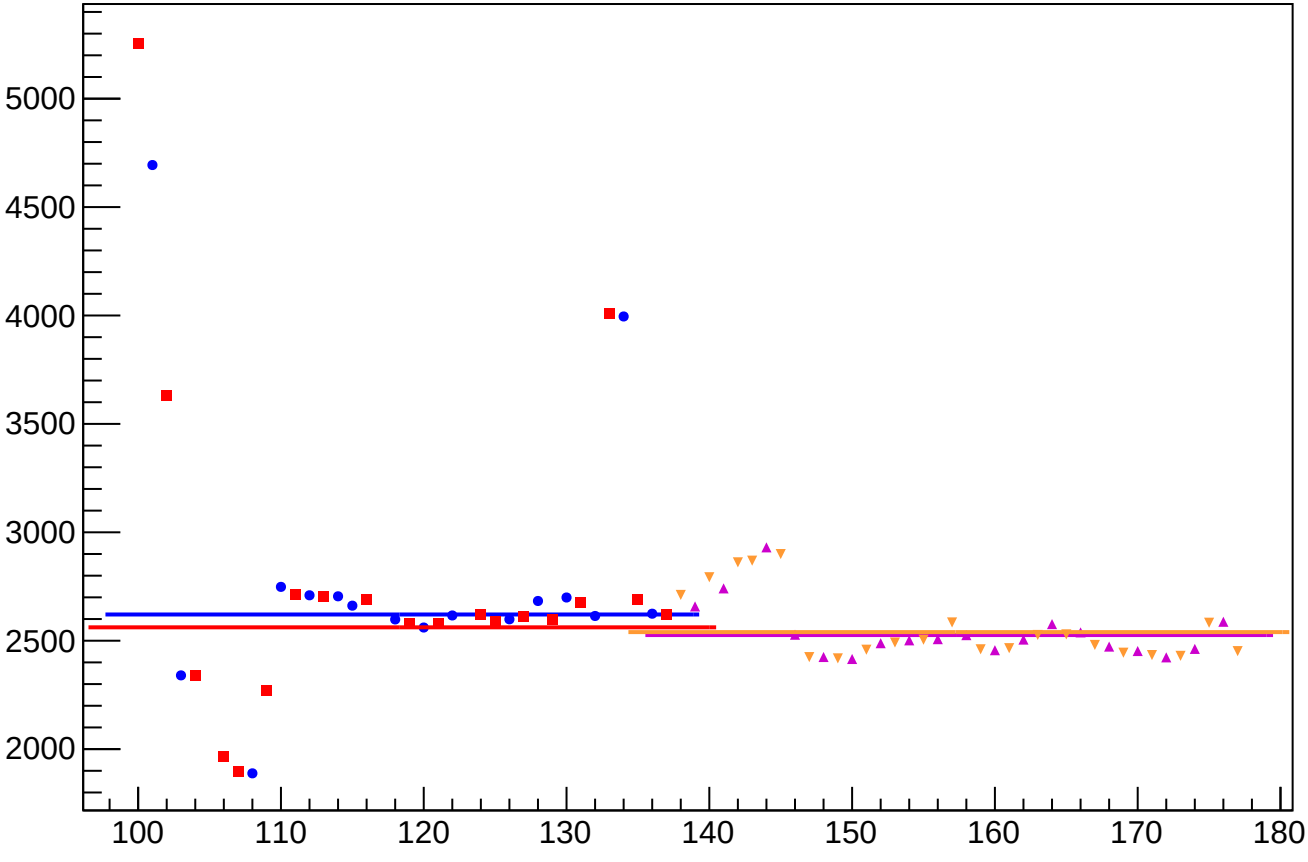
Right: 3399.902+/-691.597 χ^2/NDF: 29.1/34

In: 3789.755+/-538.487 χ^2/NDF:20.4/34

Out: 1358.419+/-523.523 χ^2/NDF:42.4/39

All: 2539.834+/-375.365 χ^2/NDF: 73.3/74

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2539.731+/-0.440 χ^2/NDF:104401.2/20

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

Left In: 2526.115+/-0.454 χ^2/NDF:65753.0/18

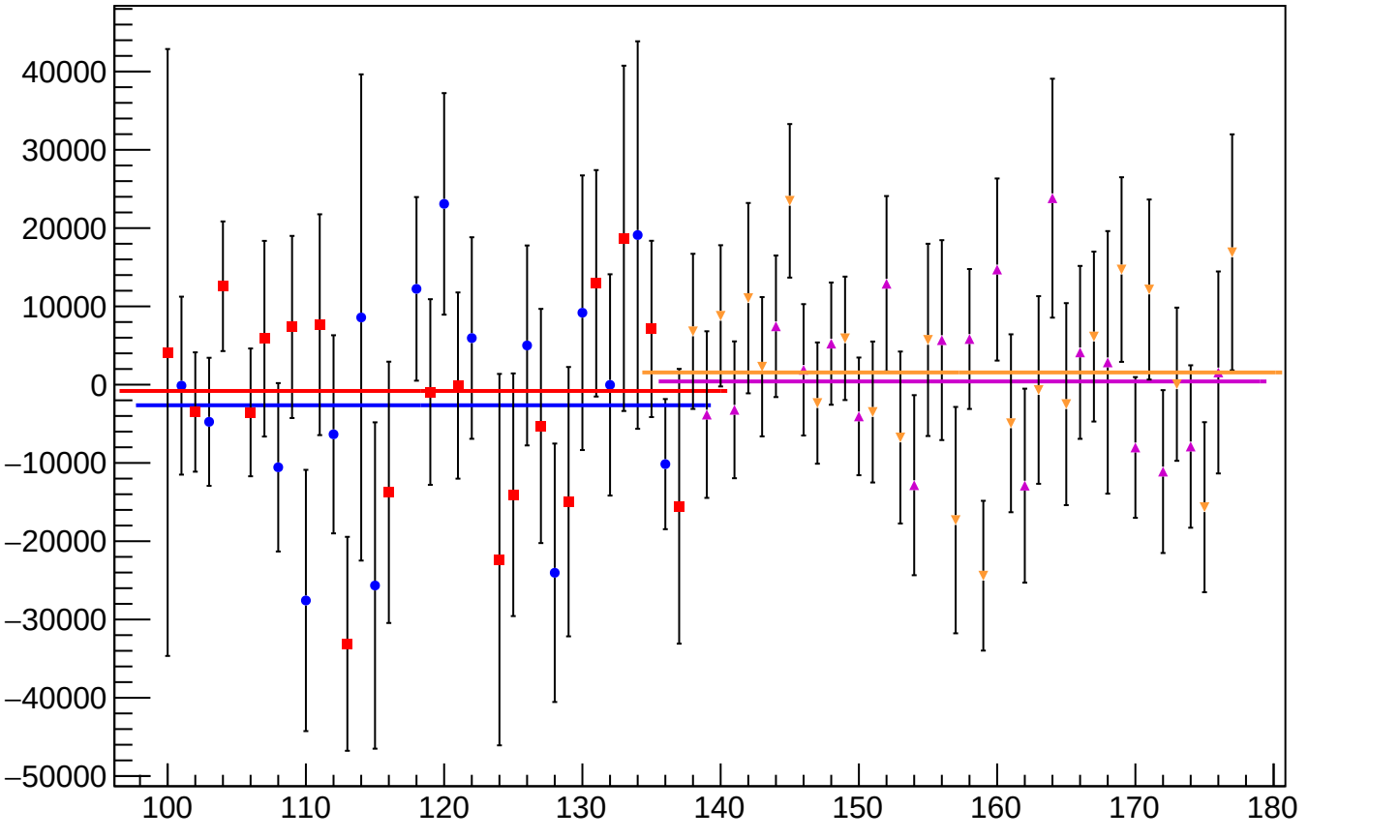
Left: 2533.124+/-0.316 χ^2/NDF: 170617.8/39

Right: 2590.582+/-0.489 χ^2/NDF: 867842.6/34

In: 2554.146+/-0.381 χ^2/NDF:564585.5/34

Out: 2546.193+/-0.370 χ^2/NDF:483393.1/39

All: 2550.057+/-0.265 χ^2/NDF: 1048202.8/74



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 1560.803+/-2263.001 χ^2/NDF:23.5/20

Right Out: -802.880+/-2872.934 χ^2/NDF: 15.4/18

Left In: 409.566+/-2334.567 χ^2/NDF:12.7/18

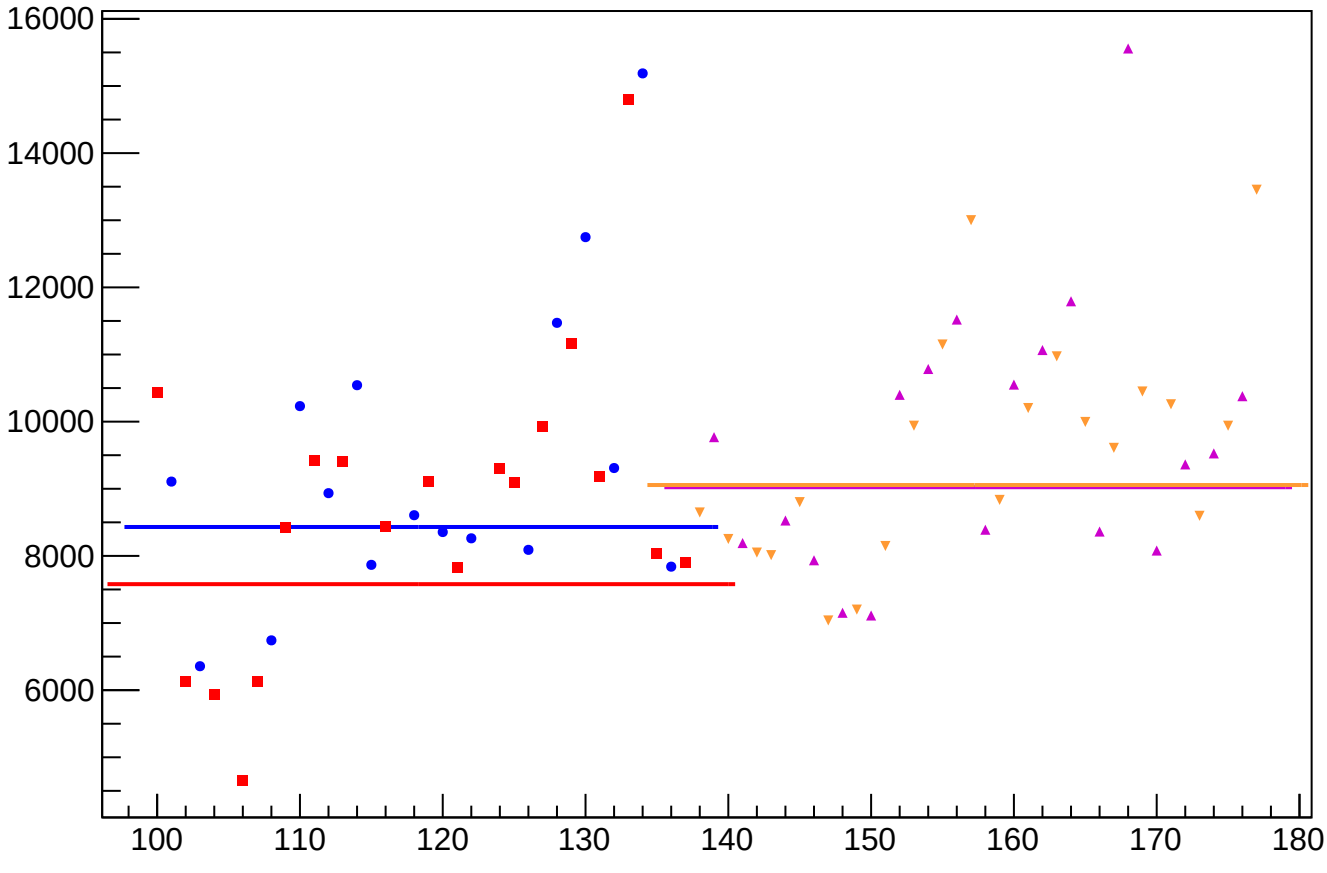
Left: 1003.100+/-1624.895 χ^2/NDF: 36.3/39

Right: -1615.936+/-2141.201 χ^2/NDF: 29.4/34

In: -641.991+/-1888.349 χ^2/NDF:27.1/34

Out: 655.764+/-1777.726 χ^2/NDF:39.3/39

All: 46.010+/-1294.384 χ^2/NDF: 66.6/74



Right In: 8430.768+/-2.271 χ^2/NDF: 580295.1/15

Left Out: 9055.853+/-1.600 χ^2/NDF:874900.5/20

Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

Left In: 9023.214+/-1.651 χ^2/NDF:991849.0/18

Left: 9040.041+/-1.149 χ^2/NDF: 1866951.0/39

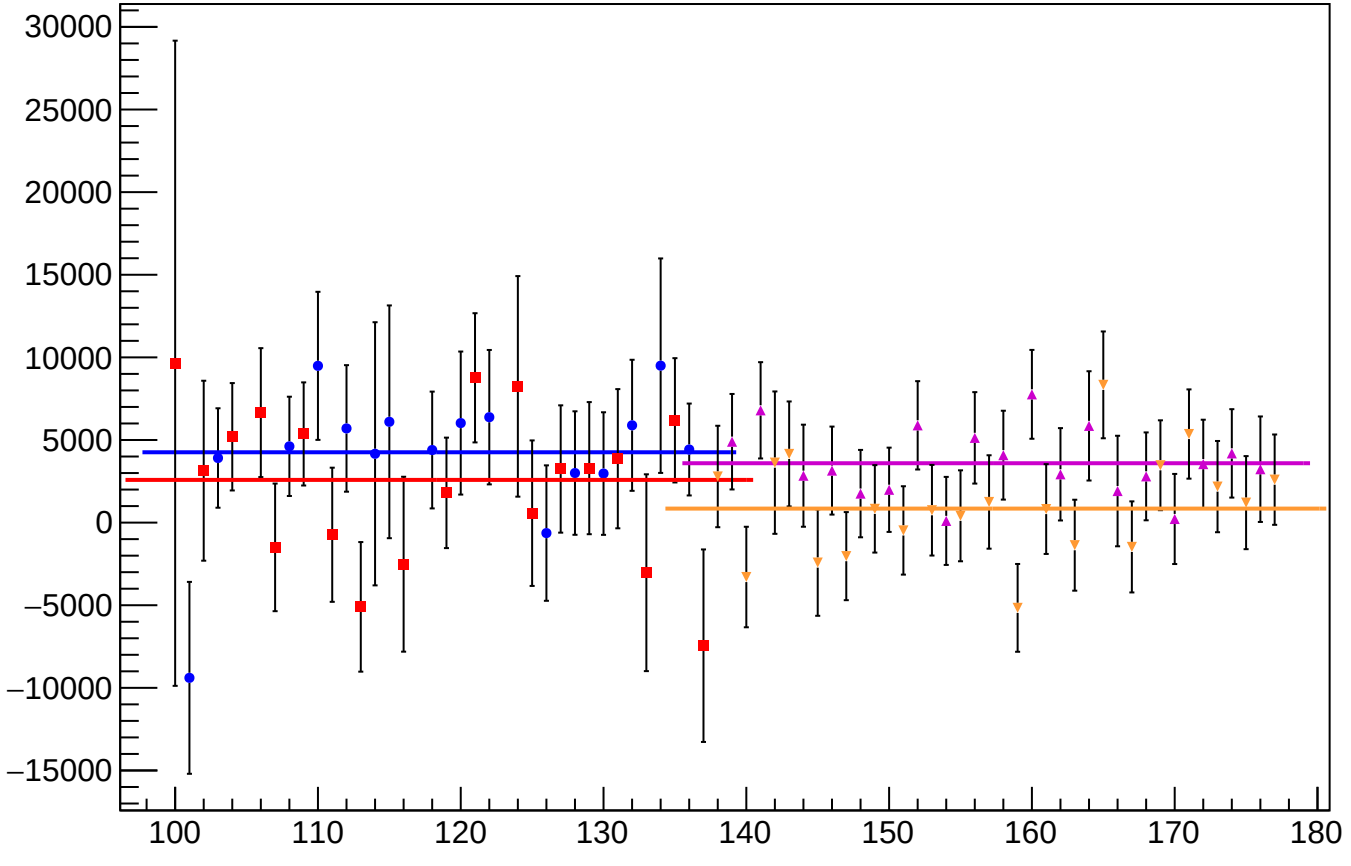
Right: 7957.695+/-1.514 χ^2/NDF: 1632549.6/34

In: 8818.383+/-1.335 χ^2/NDF:1616675.0/34

Out: 8490.418+/-1.257 χ^2/NDF:2175124.6/39

All: 8644.513+/-0.915 χ^2/NDF: 3823782.5/74

eigen_dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: 848.541+/-622.924 χ^2/NDF:22.5/20

Right Out: 2584.699+/-966.048 χ^2/NDF: 17.6/18

Left In: 3593.754+/-641.572 χ^2/NDF:10.0/18

Left: 2180.672+/-446.921 χ^2/NDF: 41.9/39

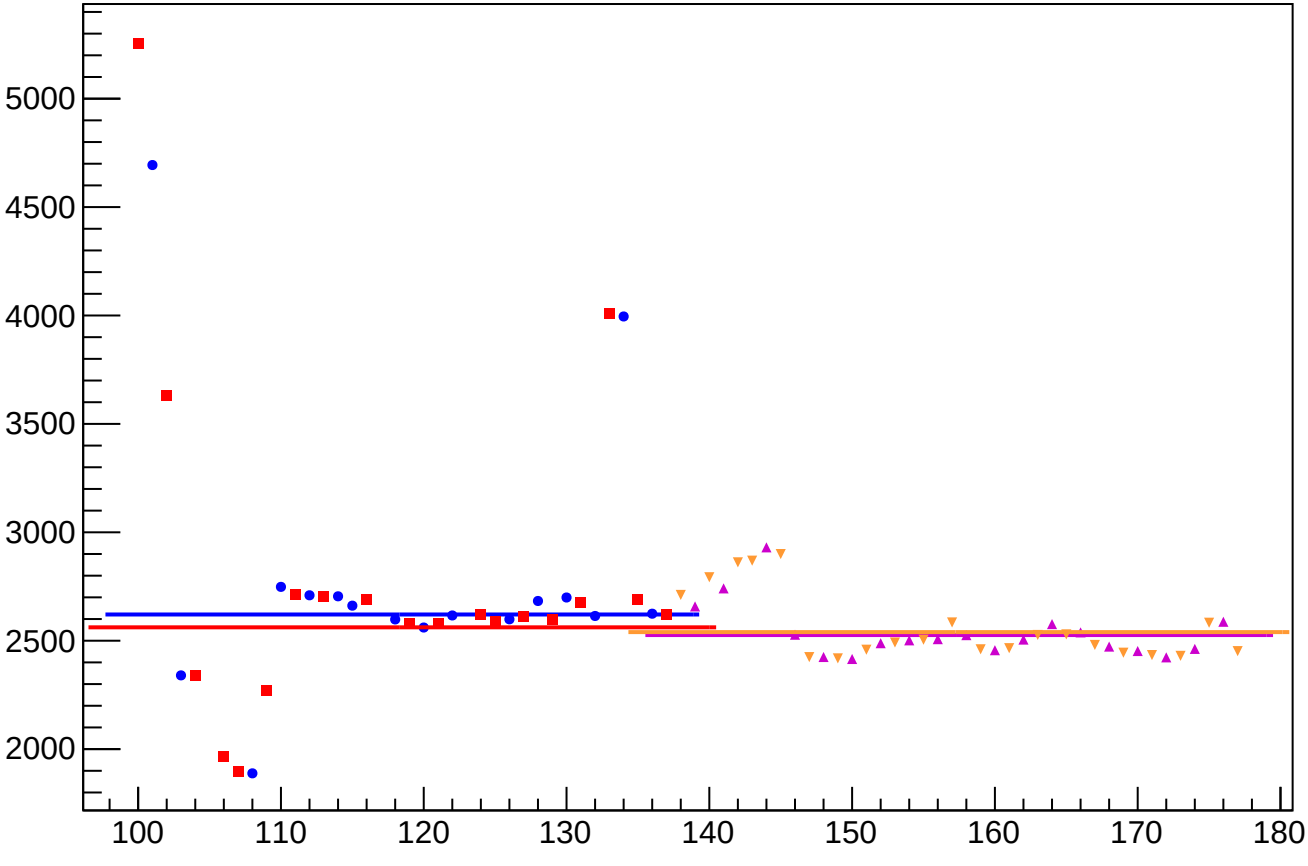
Right: 3399.911+/-691.596 χ^2/NDF: 29.1/34

In: 3789.761+/-538.487 χ^2/NDF:20.4/34

Out: 1358.415+/-523.523 χ^2/NDF:42.4/39

All: 2539.835+/-375.366 χ^2/NDF: 73.3/74

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2539.733+/-0.440 χ^2/NDF:104401.4/20

Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2526.117+/-0.454 χ^2/NDF:65752.9/18

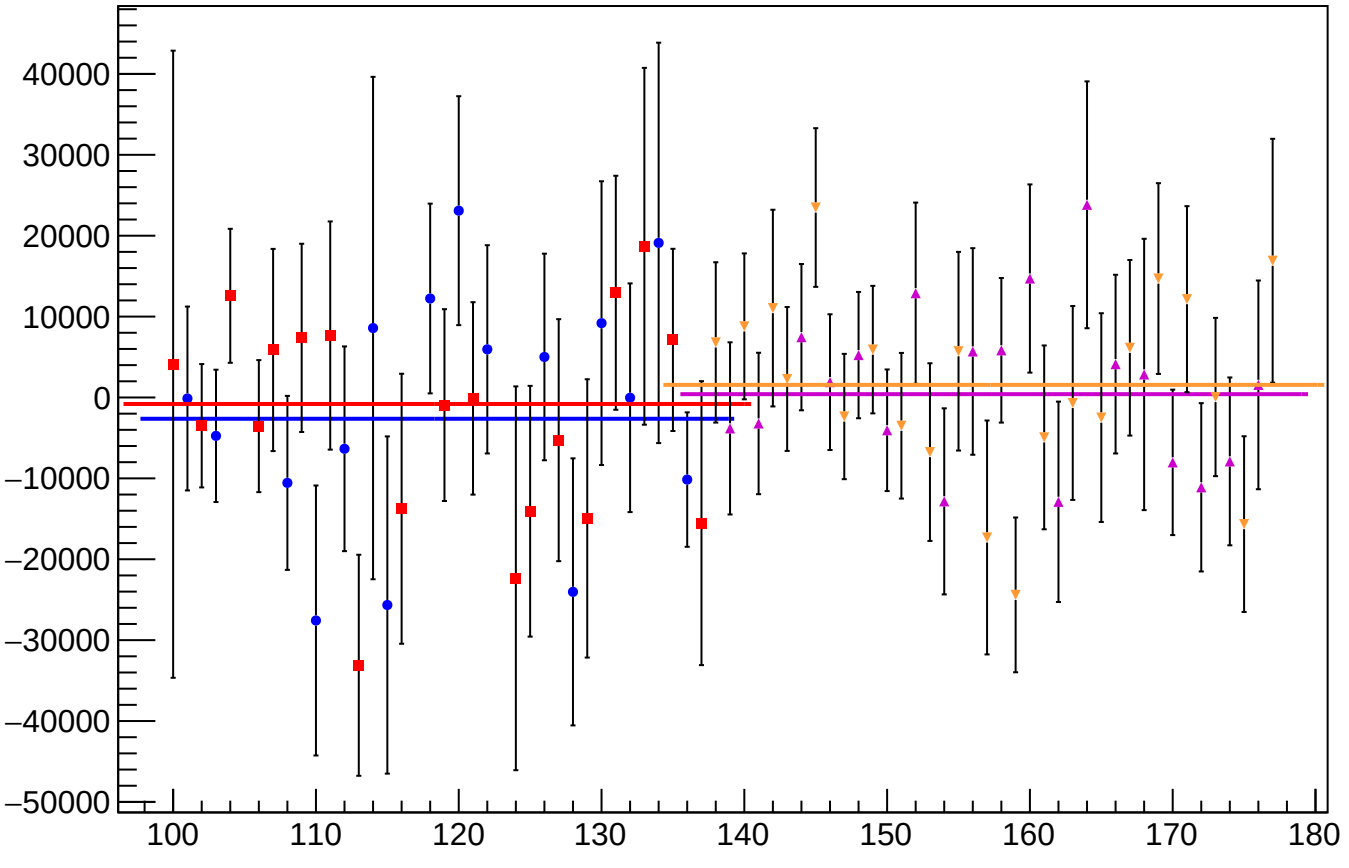
Left: 2533.126+/-0.316 χ^2/NDF: 170617.9/39

Right: 2590.582+/-0.489 χ^2/NDF: 867842.2/34

In: 2554.147+/-0.381 χ^2/NDF:564584.8/34

Out: 2546.195+/-0.370 χ^2/NDF:483392.6/39

All: 2550.058+/-0.265 χ^2/NDF: 1048201.7/74



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 1560.800+/-2263.005 χ^2/NDF:23.5/20

Right Out: -802.875+/-2872.930 χ^2/NDF: 15.4/18

Left In: 409.562+/-2334.571 χ^2/NDF:12.7/18

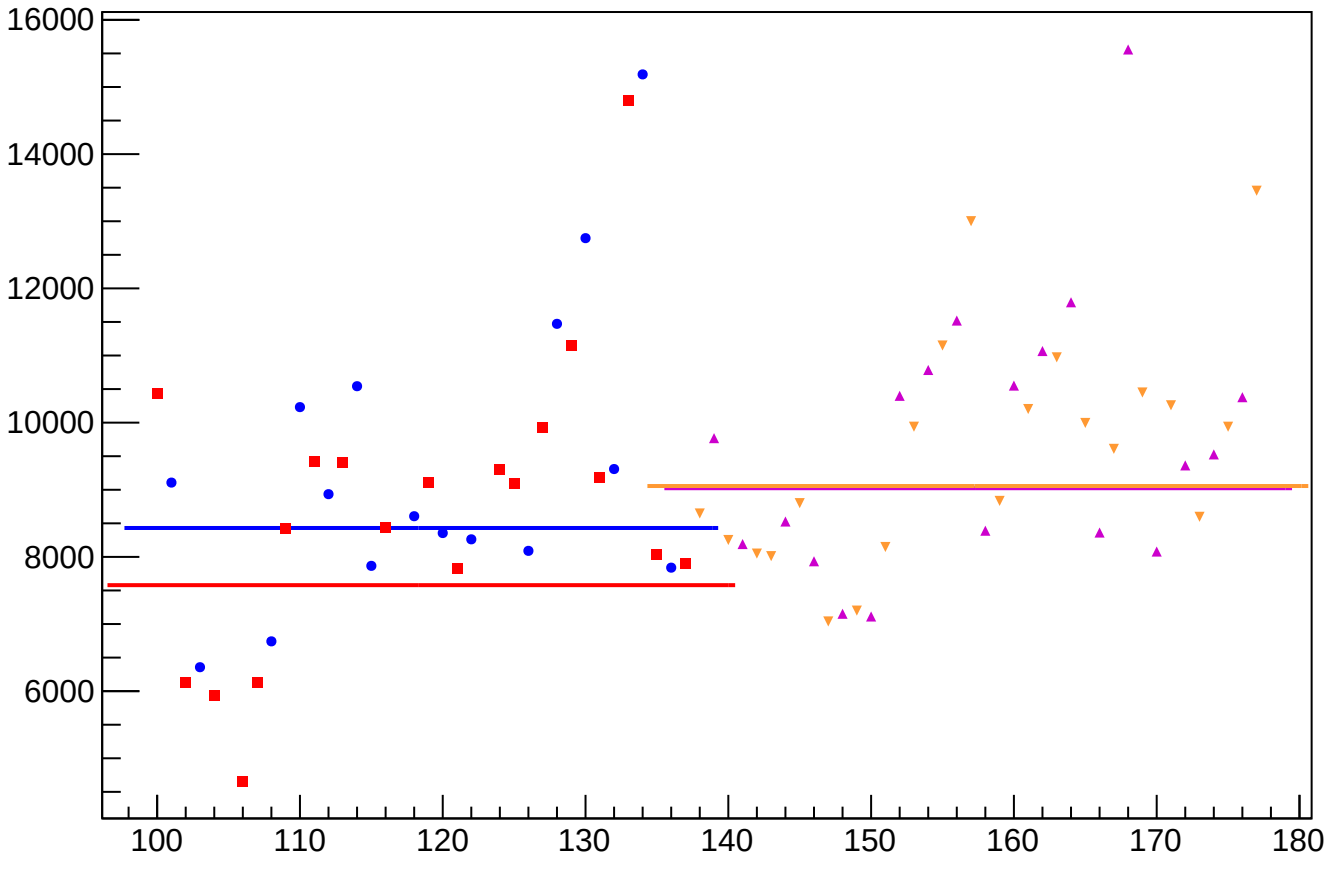
Left: 1003.097+/-1624.898 χ^2/NDF: 36.3/39

Right: -1615.919+/-2141.198 χ^2/NDF: 29.4/34

In: -641.986+/-1888.350 χ^2/NDF:27.1/34

Out: 655.760+/-1777.726 χ^2/NDF:39.3/39

All: 46.011+/-1294.384 χ^2/NDF: 66.6/74



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 9055.867+/-1.600 χ^2/NDF:874900.5/20

Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

Left In: 9023.228+/-1.651 χ^2/NDF:991850.2/18

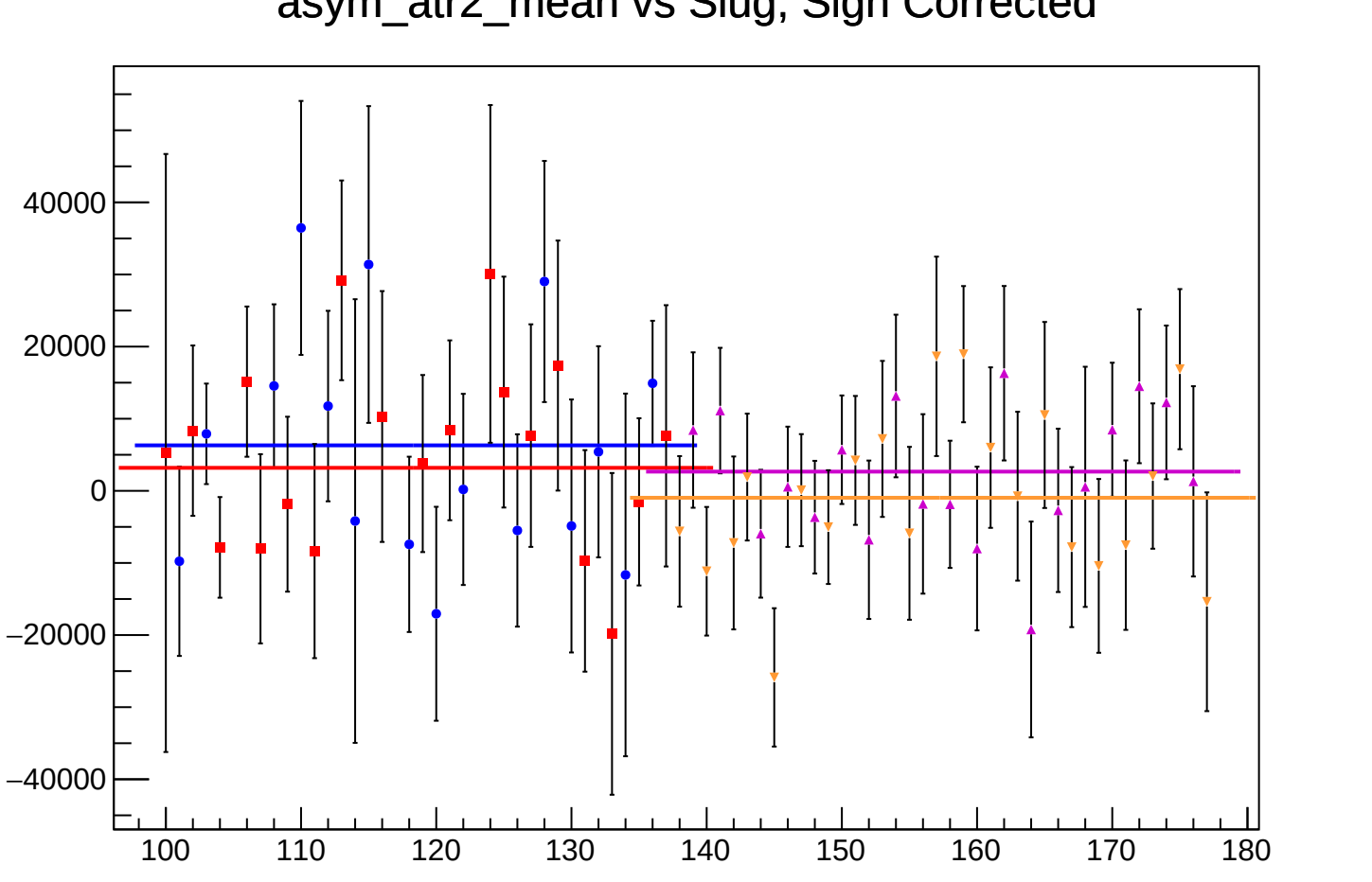
Left: 9040.055+/-1.149 χ^2/NDF: 1866952.3/39

Right: 7957.685+/-1.514 χ^2/NDF: 1632540.7/34

In: 8818.388+/-1.335 χ^2/NDF:1616674.1/34

Out: 8490.420+/-1.257 χ^2/NDF:2175132.8/39

All: 8644.517+/-0.915 χ^2/NDF: 3823790.1/74



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -960.297+/-2261.538 χ^2/NDF:22.5/20

Right Out: 3189.356+/-3068.645 χ^2/NDF: 13.9/18

Left In: 2664.364+/-2332.689 χ^2/NDF:12.0/18

Left: 795.912+/-1623.720 χ^2/NDF: 35.8/39

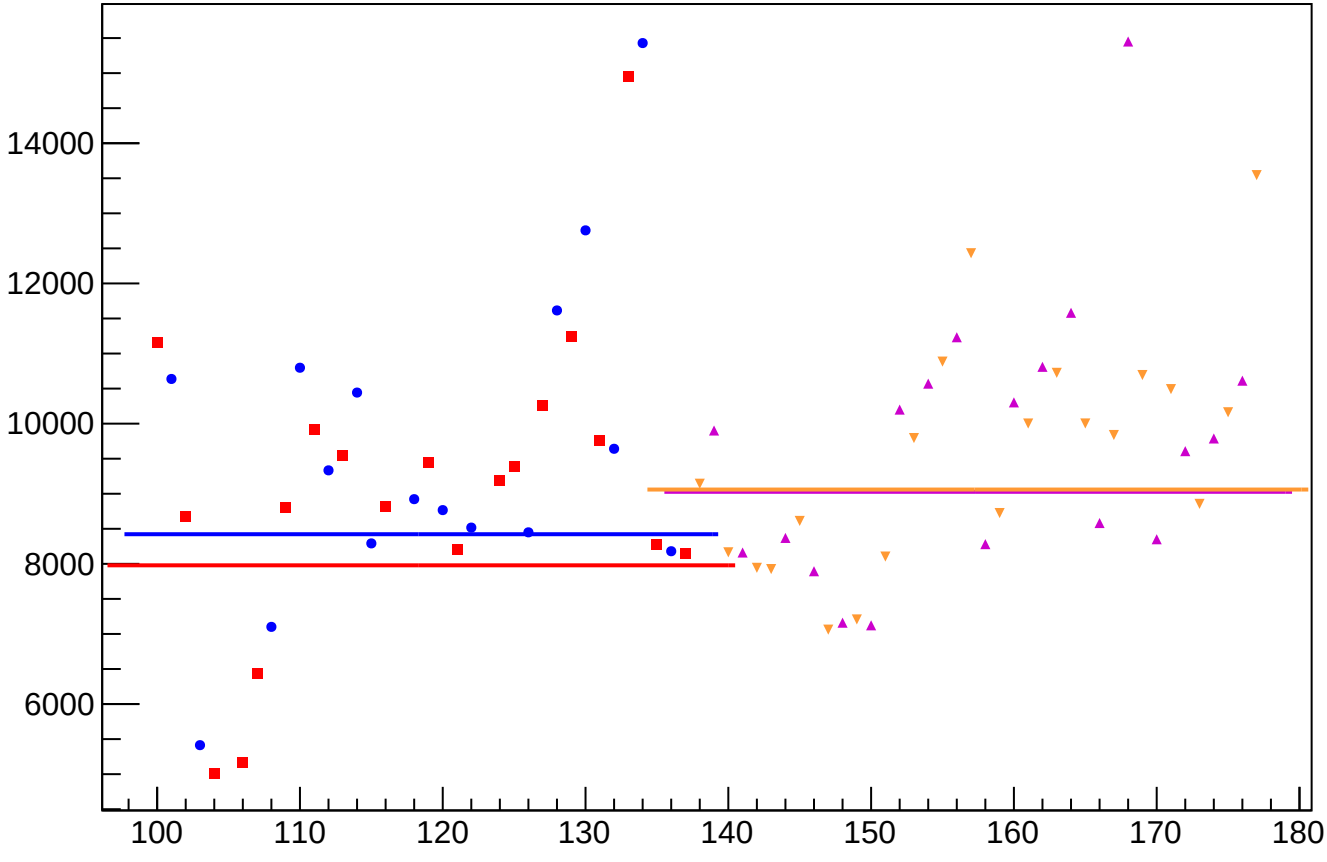
Right: 4663.718+/-2227.879 χ^2/NDF: 29.5/34

In: 3908.088+/-1893.029 χ^2/NDF:28.0/34

Out: 500.265+/-1820.542 χ^2/NDF:37.6/39

All: 2137.683+/-1312.196 χ^2/NDF: 67.2/74

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 9059.901+/-1.599 χ^2/NDF:854889.9/20

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

Left In: 9027.701+/-1.649 χ^2/NDF:943604.4/18

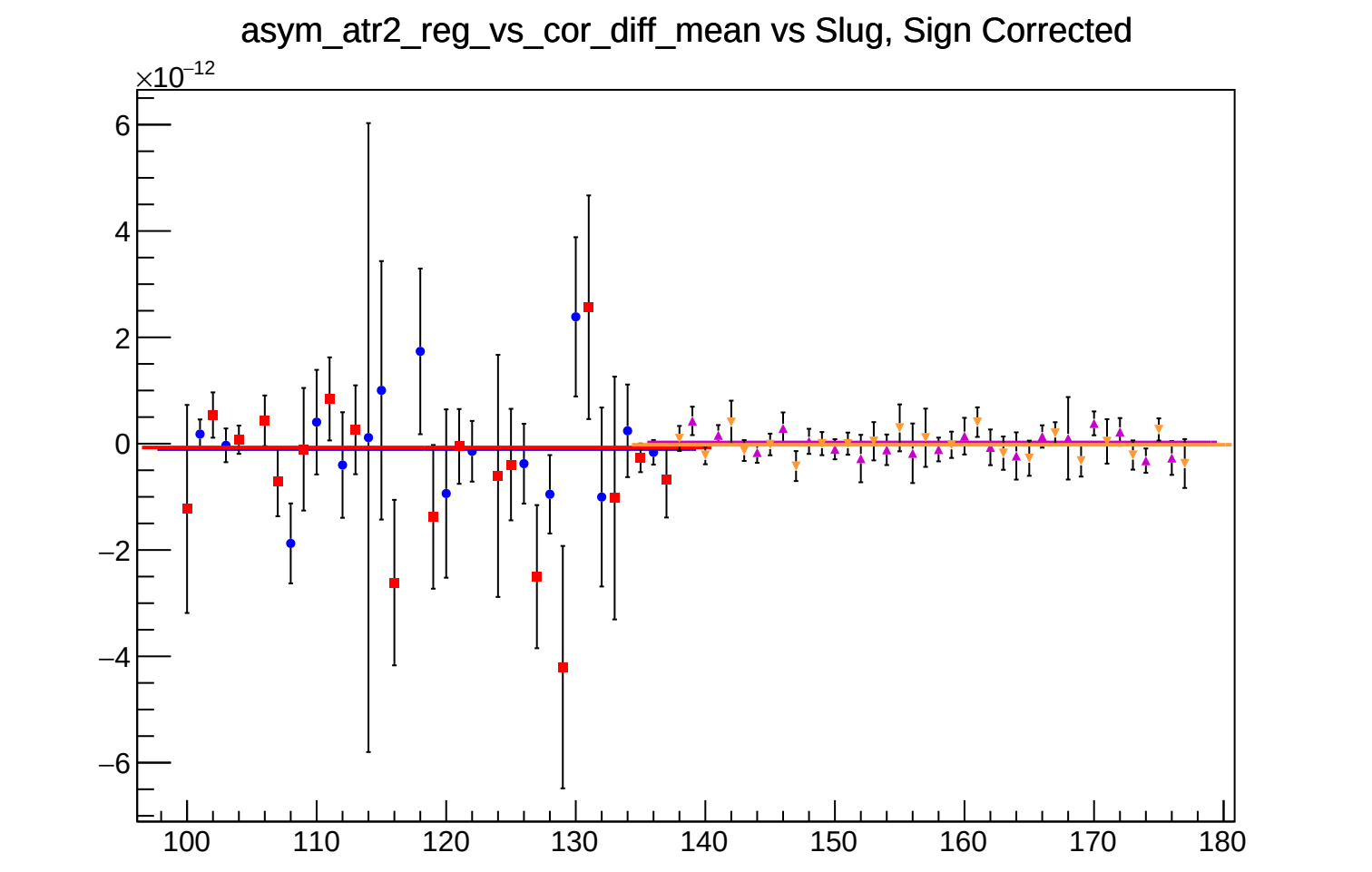
Left: 9044.300+/-1.148 χ^2/NDF: 1798690.7/39

Right: 8188.830+/-1.575 χ^2/NDF: 1917628.8/34

In: 8821.140+/-1.339 χ^2/NDF:1871369.4/34

Out: 8679.444+/-1.287 χ^2/NDF:2031719.7/39

All: 8747.527+/-0.928 χ^2/NDF: 3908910.5/74



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

Left Out: -0.000+/-0.000 χ^2/NDF:14.1/20

Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:13.2/18

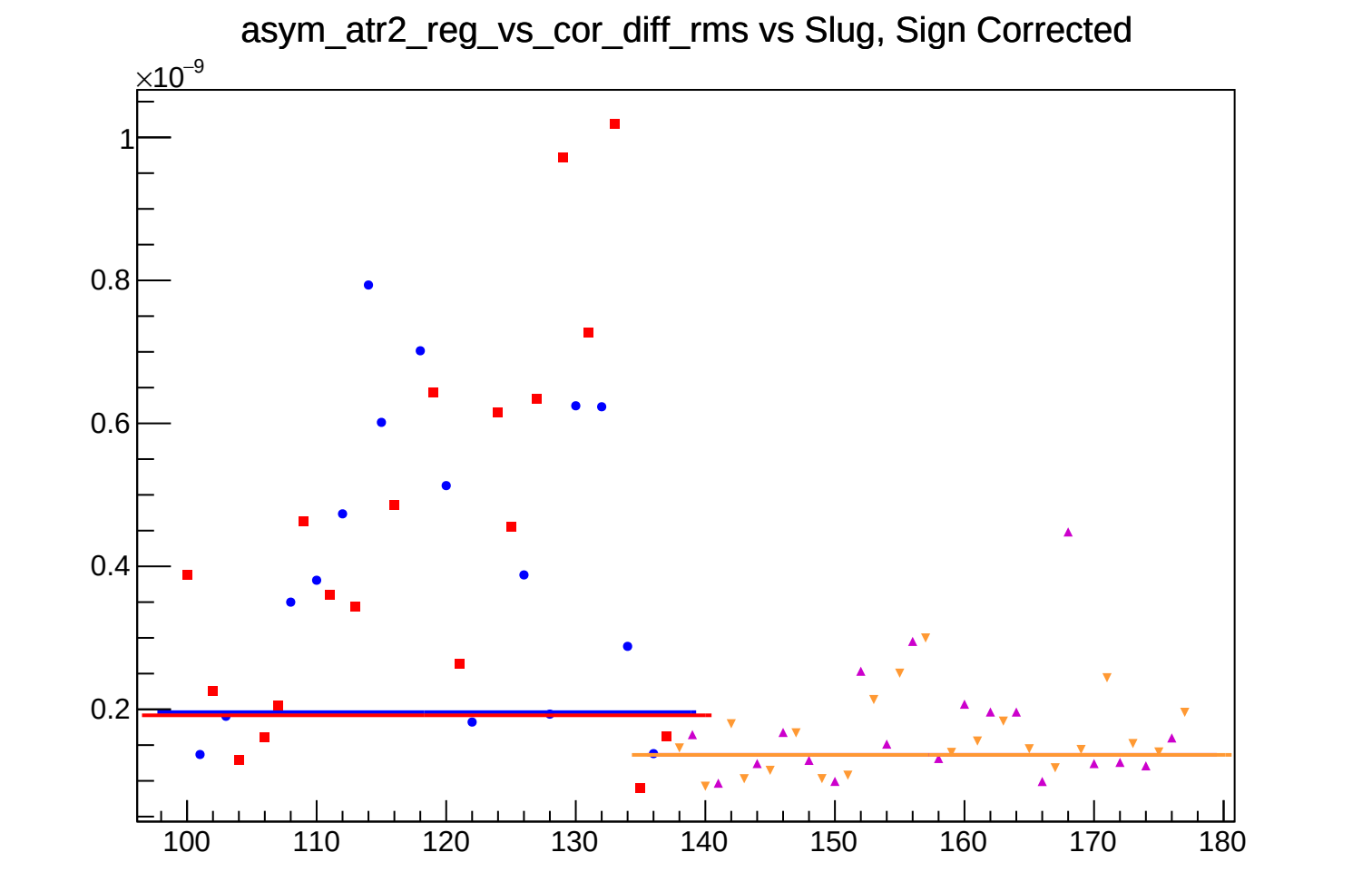
Left: -0.000+/-0.000 χ^2/NDF: 27.5/39

Right: -0.000+/-0.000 χ^2/NDF: 33.3/34

In: 0.000+/-0.000 χ^2/NDF:27.5/34

Out: -0.000+/-0.000 χ^2/NDF:33.8/39

All: -0.000+/-0.000 χ^2/NDF: 61.5/74



Right In: 0.000+/-0.000 χ^2/NDF: 1342263.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1001264.6/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2066454.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1121283.7/18

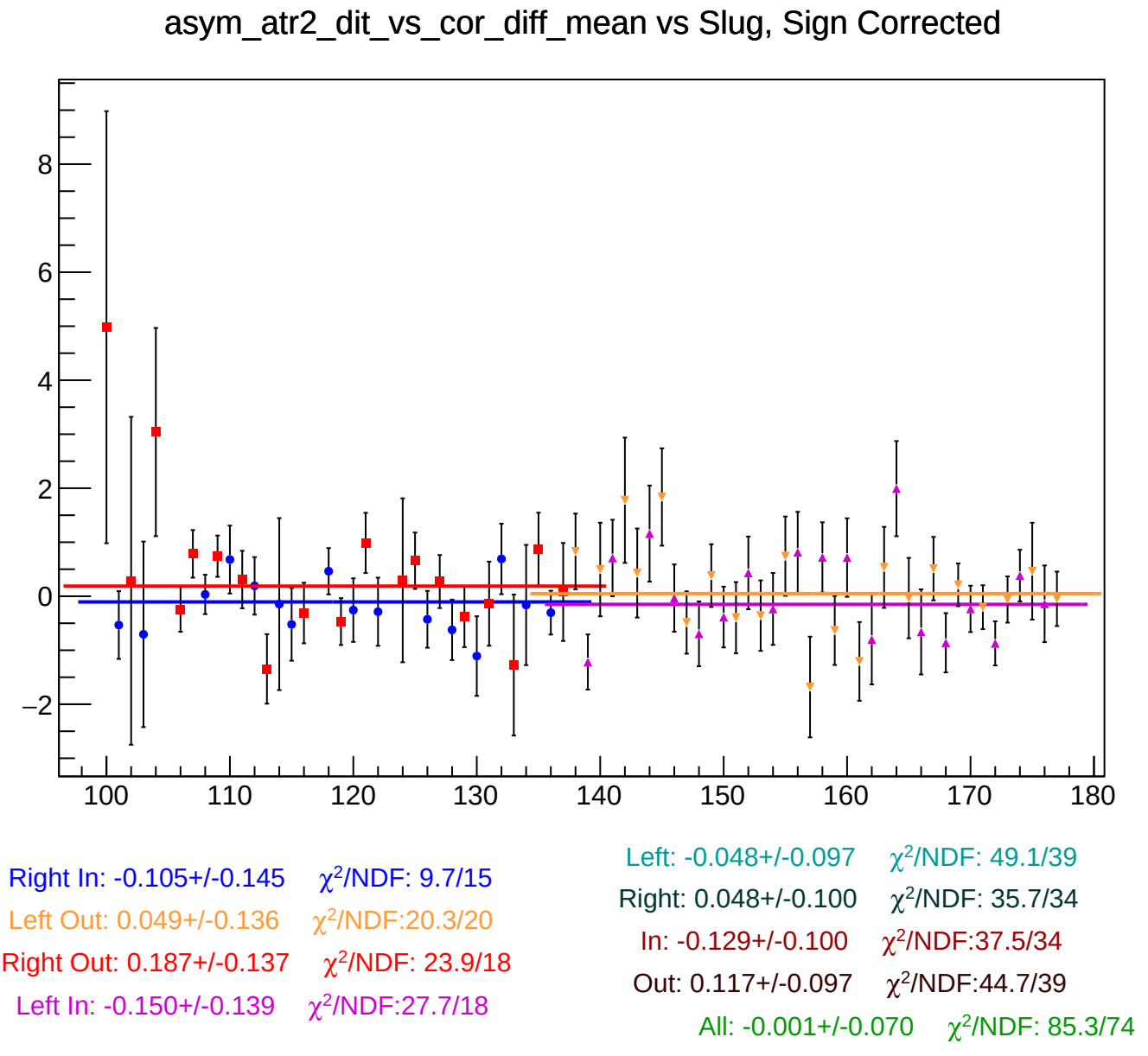
Left: 0.000+/-0.000 χ^2/NDF: 2122548.7/39

Right: 0.000+/-0.000 χ^2/NDF: 3409753.0/34

In: 0.000+/-0.000 χ^2/NDF:2792571.8/34

Out: 0.000+/-0.000 χ^2/NDF:3338715.4/39

All: 0.000+/-0.000 χ^2/NDF: 6132987.4/74


asym_atr2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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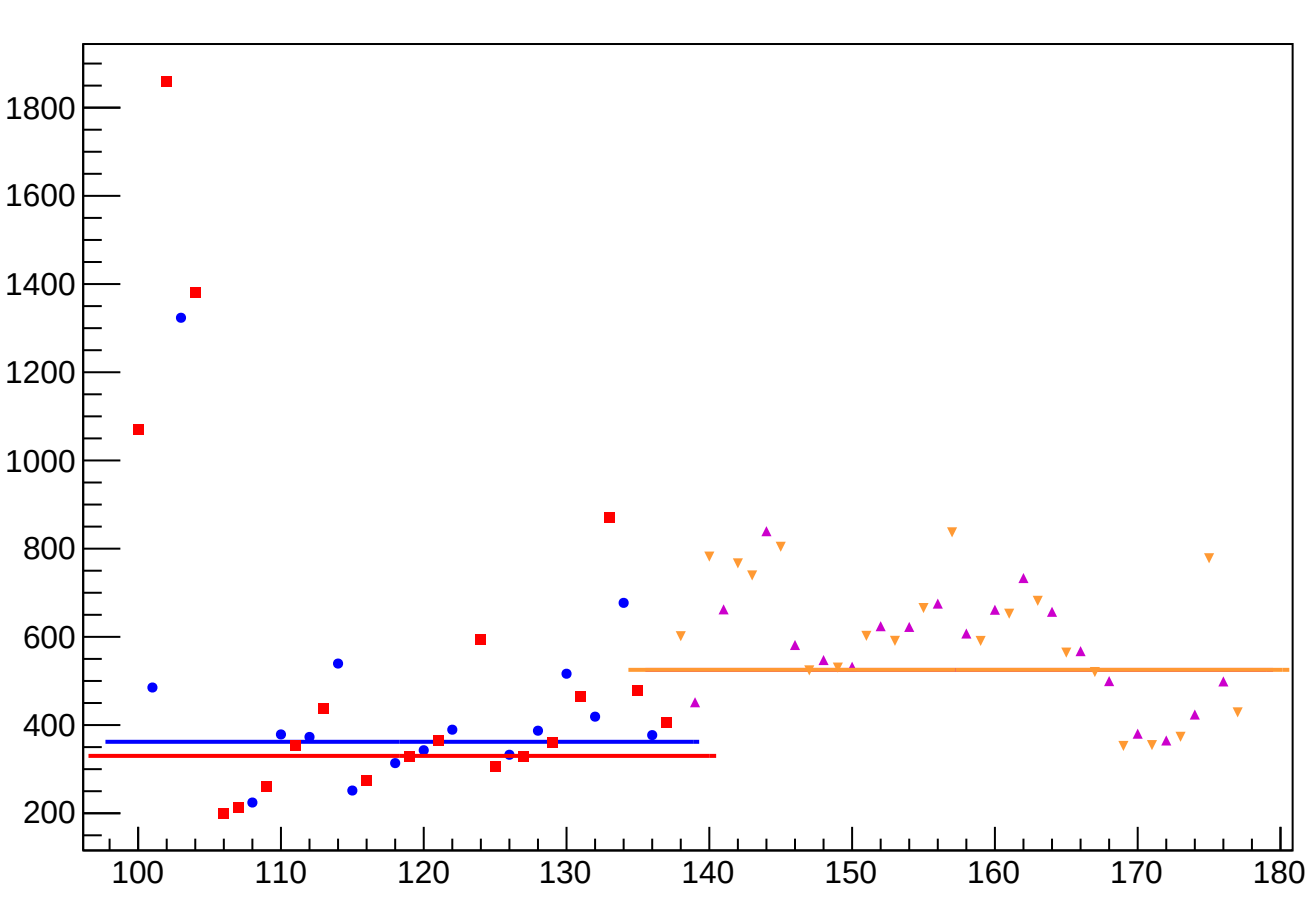
Right In: -0.105+/-0.145 χ²/NDF: 9.7/15
Left Out: 0.049+/-0.136 χ²/NDF:20.3/20
Right Out: 0.187+/-0.137 χ²/NDF: 23.9/18
Left In: -0.150+/-0.139 χ²/NDF:27.7/18
Left: -0.048+/-0.097 χ²/NDF: 49.1/39
Right: 0.048+/-0.100 χ²/NDF: 35.7/34
In: -0.129+/-0.100 χ²/NDF:37.5/34
Out: 0.117+/-0.097 χ²/NDF:44.7/39
All: -0.001+/-0.070 χ²/NDF: 85.3/74



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 525.221+/-0.096 χ^2/NDF:2348702.1/20

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 524.978+/-0.098 χ^2/NDF:1463059.8/18

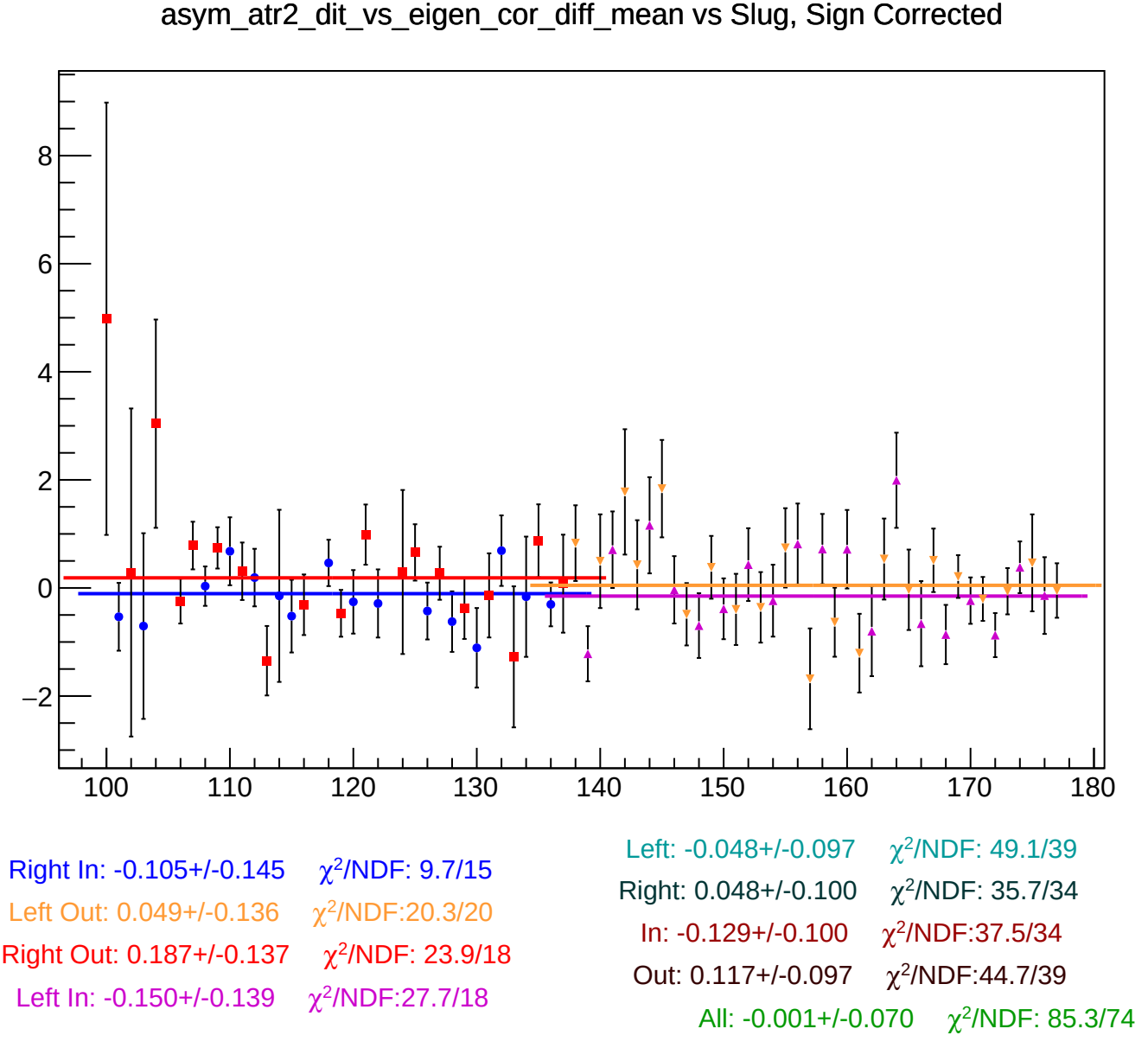
Left: 525.102+/-0.069 χ^2/NDF: 3811765.1/39

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 446.637+/-0.071 χ^2/NDF:4157375.9/34

Out: 428.892+/-0.068 χ^2/NDF:6637489.4/39

All: 437.424+/-0.049 χ^2/NDF: 10827348.3/74


asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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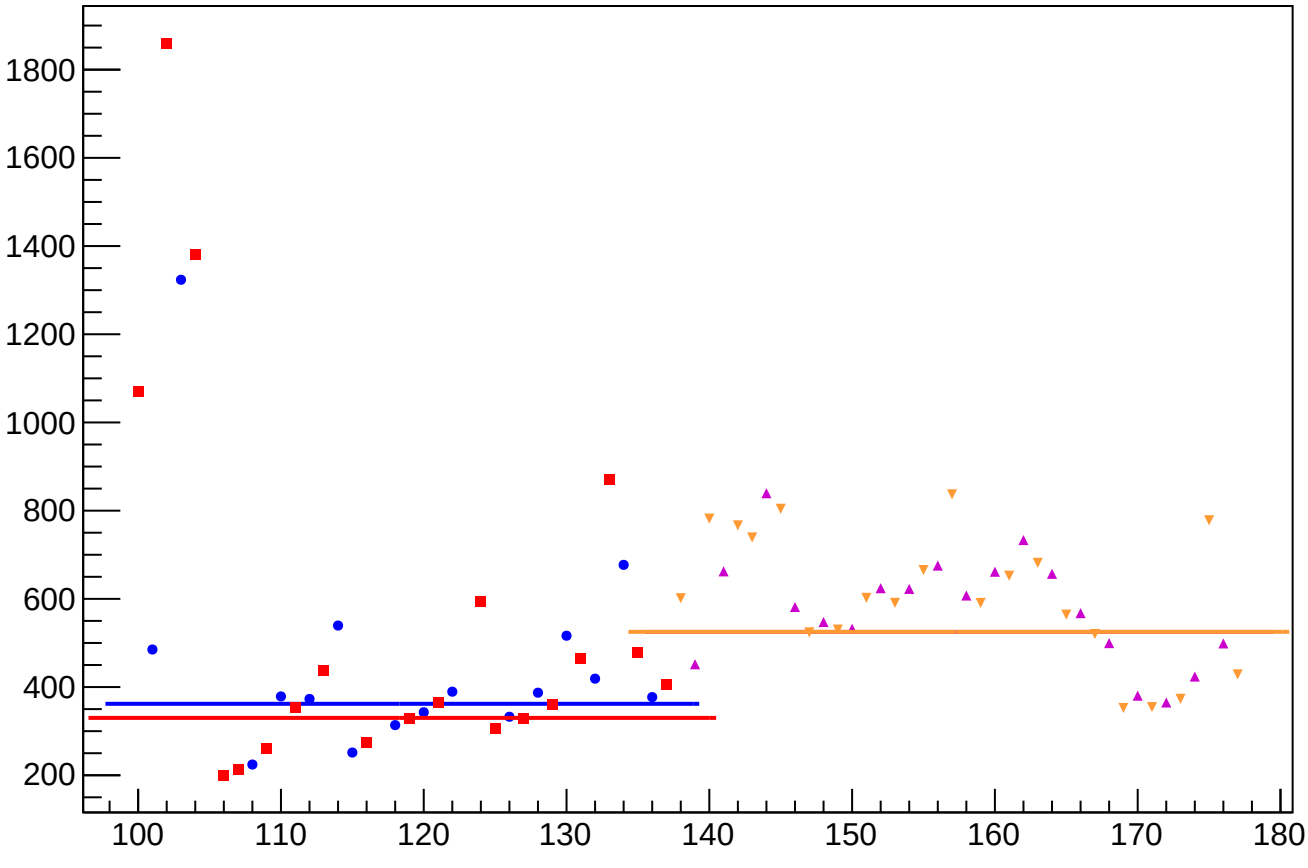
Right In: -0.105+/-0.145 χ²/NDF: 9.7/15
Left Out: 0.049+/-0.136 χ²/NDF:20.3/20
Right Out: 0.187+/-0.137 χ²/NDF: 23.9/18
Left In: -0.150+/-0.139 χ²/NDF:27.7/18
Left: -0.048+/-0.097 χ²/NDF: 49.1/39
Right: 0.048+/-0.100 χ²/NDF: 35.7/34
In: -0.129+/-0.100 χ²/NDF:37.5/34
Out: 0.117+/-0.097 χ²/NDF:44.7/39
All: -0.001+/-0.070 χ²/NDF: 85.3/74



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 525.221+/-0.096 χ^2/NDF:2348702.1/20

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 524.978+/-0.098 χ^2/NDF:1463059.8/18

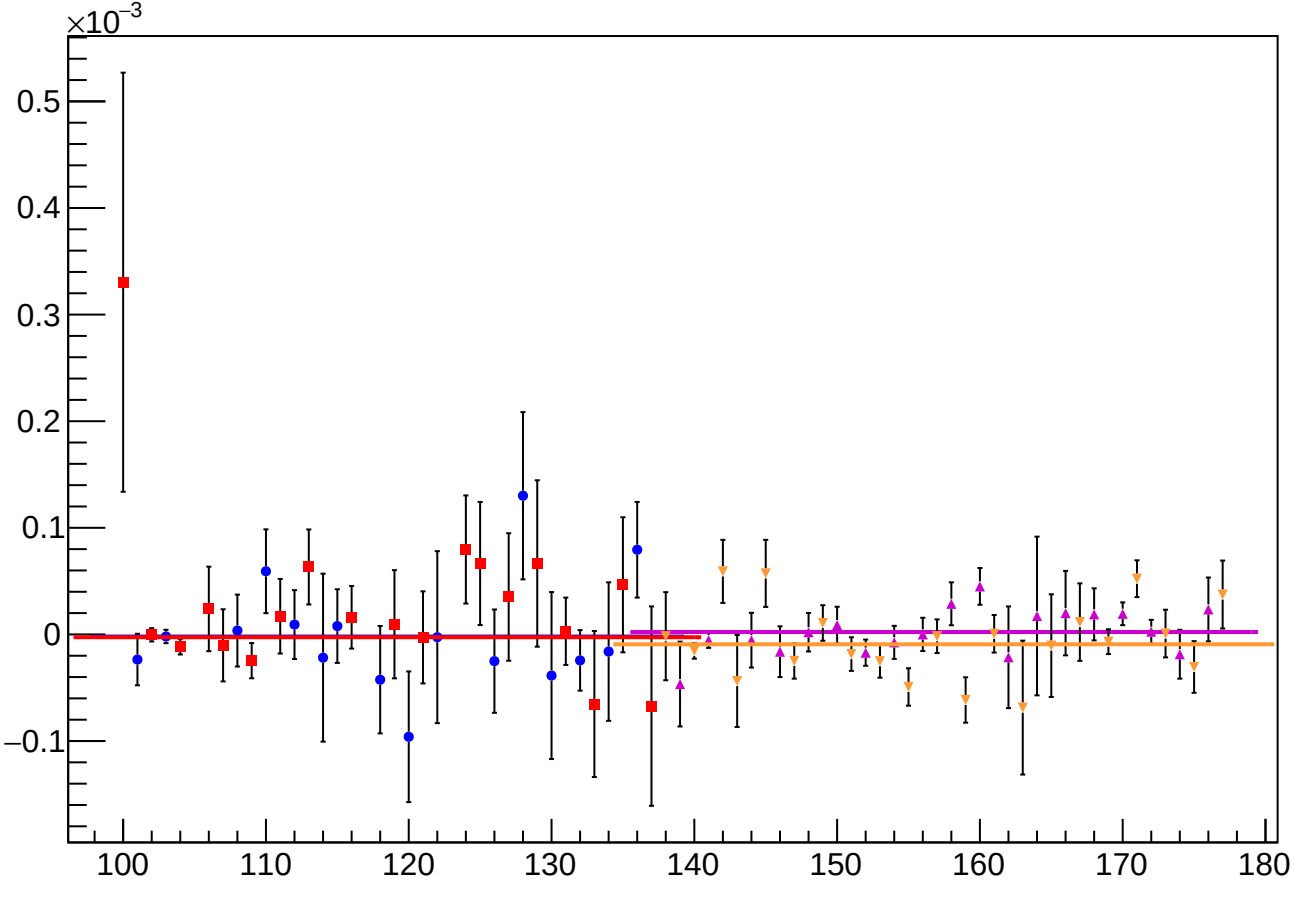
Left: 525.102+/-0.069 χ^2/NDF: 3811765.1/39

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 446.637+/-0.071 χ^2/NDF:4157375.9/34

Out: 428.892+/-0.068 χ^2/NDF:6637489.4/39

All: 437.424+/-0.049 χ^2/NDF: 10827348.3/74



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

Left Out: -0.000+/-0.000 χ^2/NDF:43.7/20

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:19.1/18

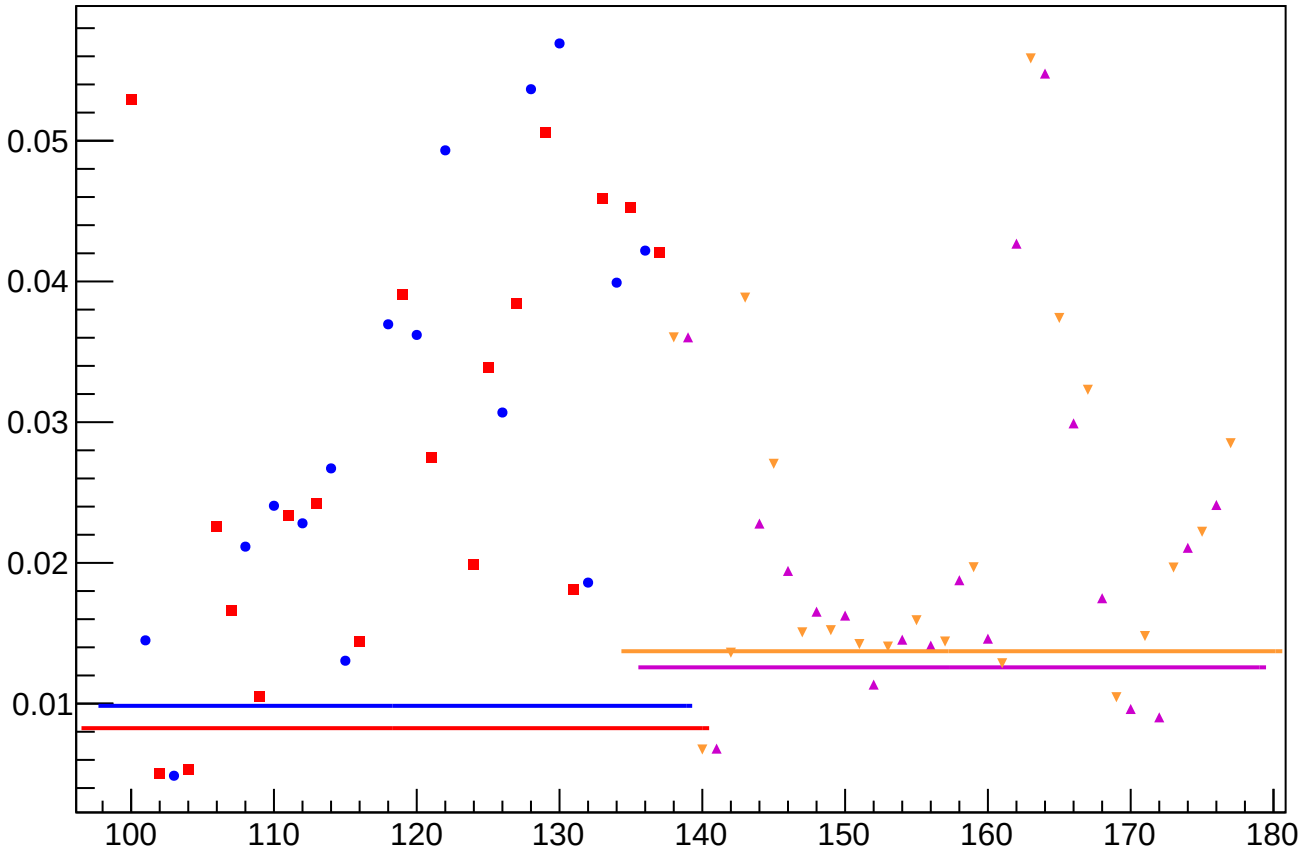
Left: -0.000+/-0.000 χ^2/NDF: 67.4/39

Right: -0.000+/-0.000 χ^2/NDF: 32.0/34

In: 0.000+/-0.000 χ^2/NDF:33.2/34

Out: -0.000+/-0.000 χ^2/NDF:63.3/39

All: -0.000+/-0.000 χ^2/NDF: 99.4/74



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.014+/-0.000 χ^2/NDF:6543904.1/20

Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

Left In: 0.013+/-0.000 χ^2/NDF:5759093.2/18

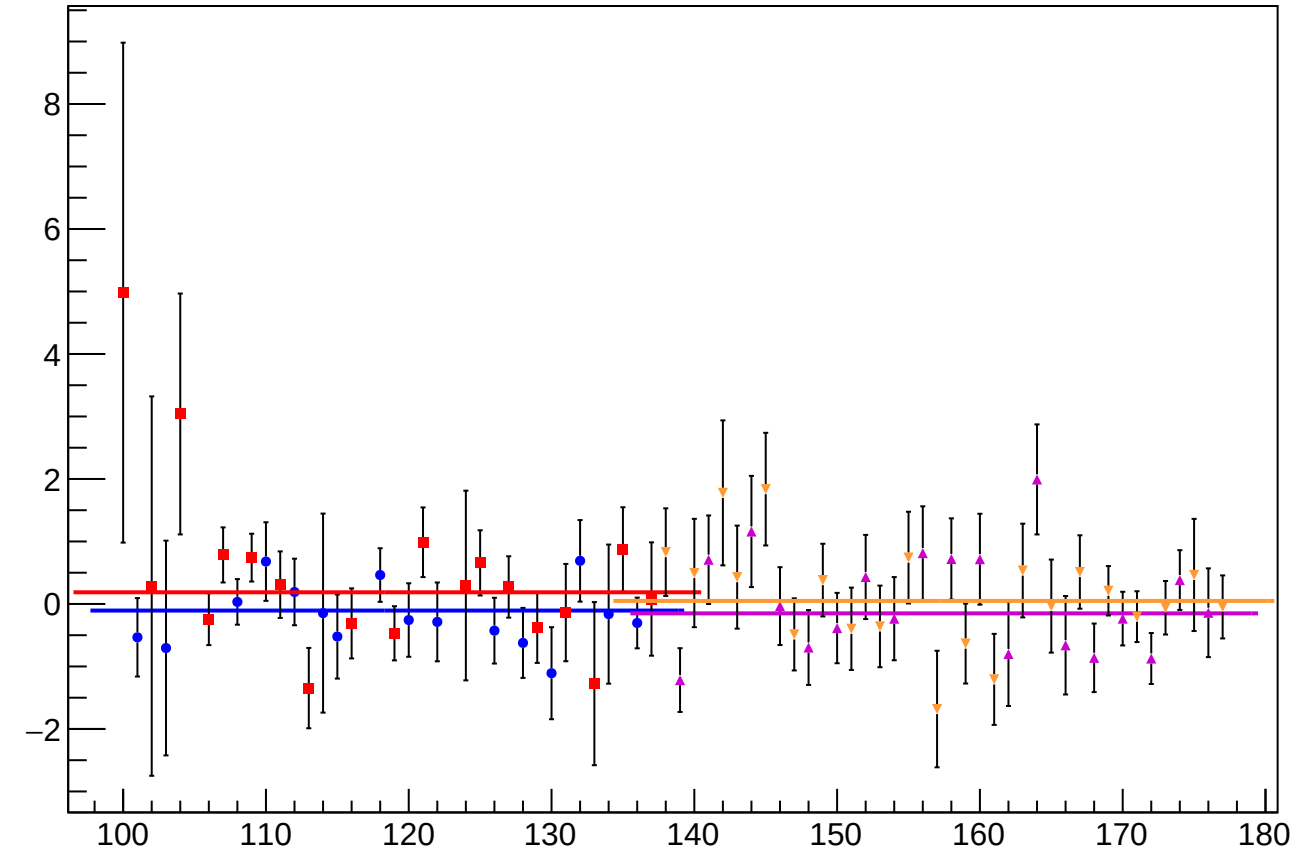
Left: 0.013+/-0.000 χ^2/NDF: 12394412.1/39

Right: 0.009+/-0.000 χ^2/NDF: 13900238.9/34

In: 0.012+/-0.000 χ^2/NDF:13159793.5/34

Out: 0.011+/-0.000 χ^2/NDF:15105440.8/39

All: 0.011+/-0.000 χ^2/NDF: 28291025.8/74



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.049+/-0.136 χ^2/NDF:20.3/20

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.150+/-0.139 χ^2/NDF:27.7/18

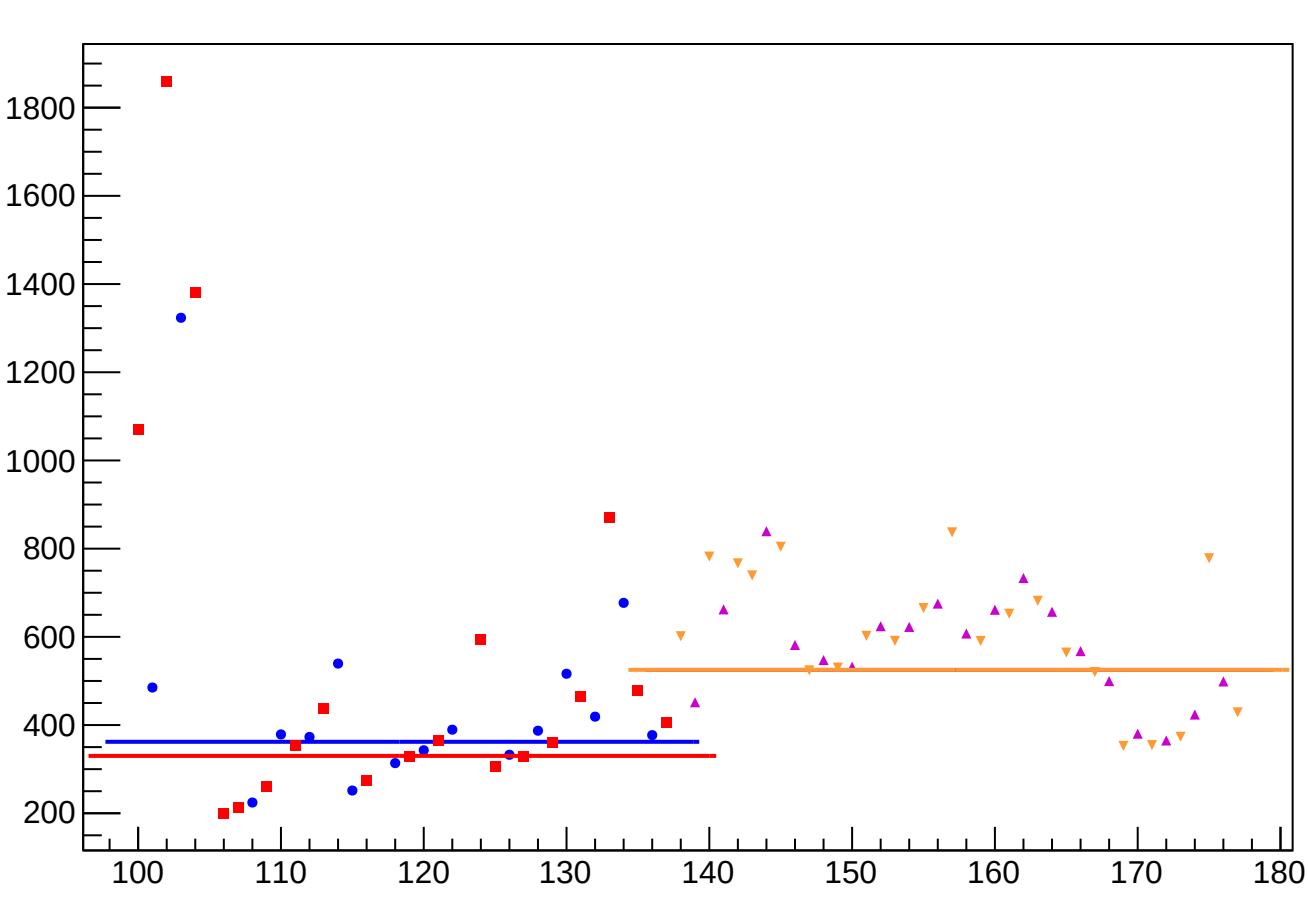
Left: -0.048+/-0.097 χ^2/NDF: 49.1/39

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.129+/-0.100 χ^2/NDF:37.5/34

Out: 0.117+/-0.097 χ^2/NDF:44.7/39

All: -0.001+/-0.070 χ^2/NDF: 85.3/74



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 525.225+/-0.096 χ^2/NDF:2348800.0/20

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 524.983+/-0.098 χ^2/NDF:1463112.1/18

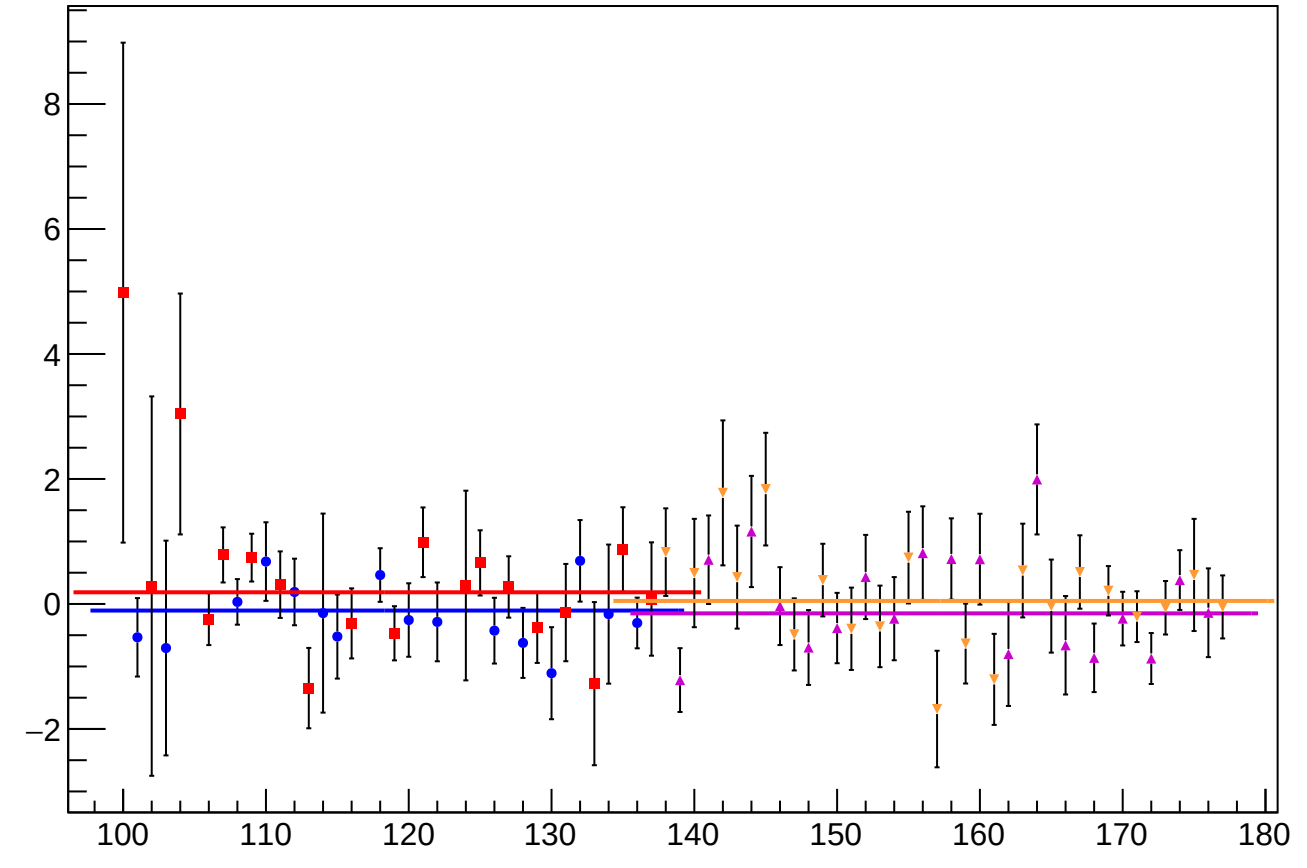
Left: 525.107+/-0.069 χ^2/NDF: 3811915.2/39

Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 446.637+/-0.071 χ^2/NDF:4157552.8/34

Out: 428.893+/-0.068 χ^2/NDF:6637686.9/39

All: 437.424+/-0.049 χ^2/NDF: 10827721.4/74


asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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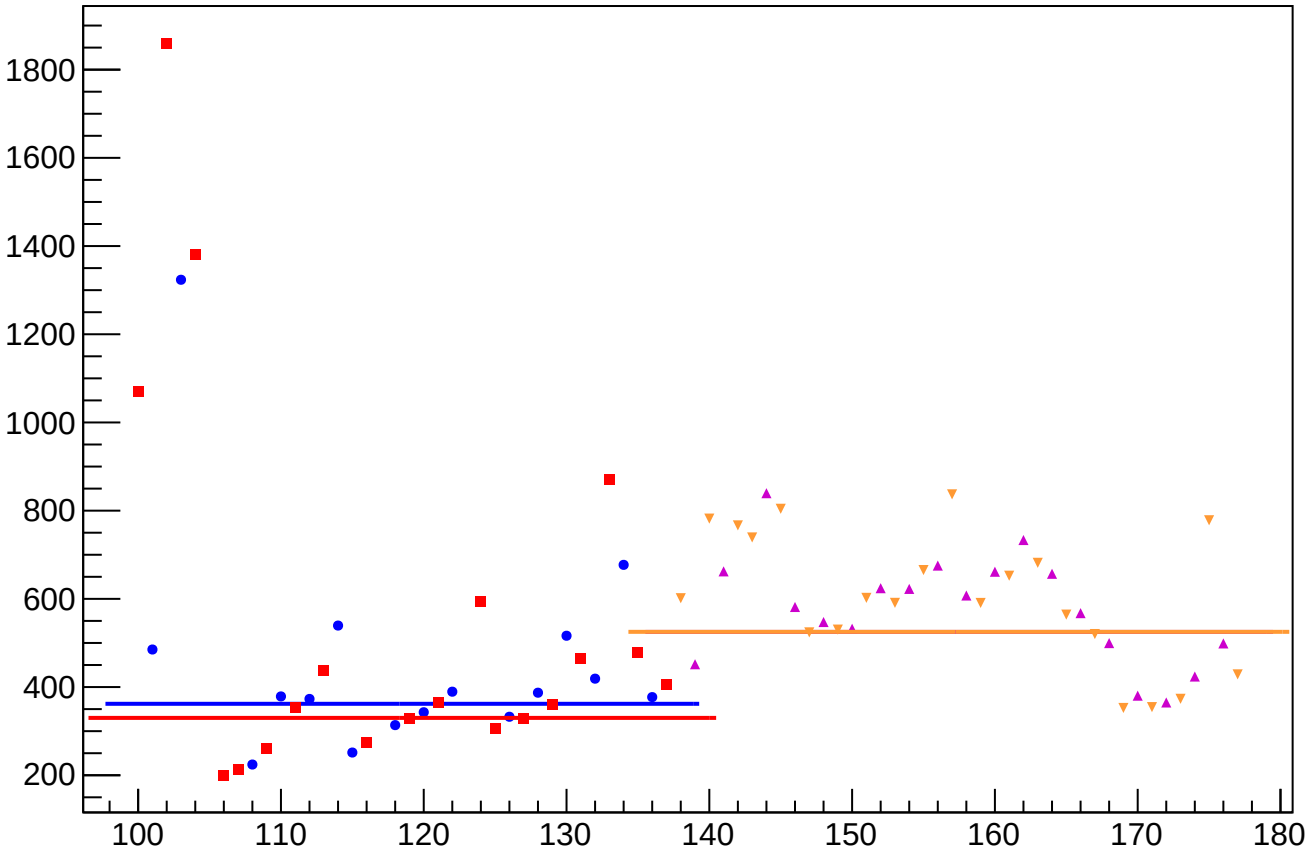
Right In: -0.105+/-0.145 χ²/NDF: 9.7/15
Left Out: 0.049+/-0.136 χ²/NDF:20.3/20
Right Out: 0.187+/-0.137 χ²/NDF: 23.9/18
Left In: -0.150+/-0.139 χ²/NDF:27.7/18
Left: -0.048+/-0.097 χ²/NDF: 49.1/39
Right: 0.048+/-0.100 χ²/NDF: 35.7/34
In: -0.129+/-0.100 χ²/NDF:37.5/34
Out: 0.117+/-0.097 χ²/NDF:44.7/39
All: -0.001+/-0.070 χ²/NDF: 85.3/74



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 525.225+/-0.096 χ^2/NDF:2348800.0/20

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 524.983+/-0.098 χ^2/NDF:1463112.1/18

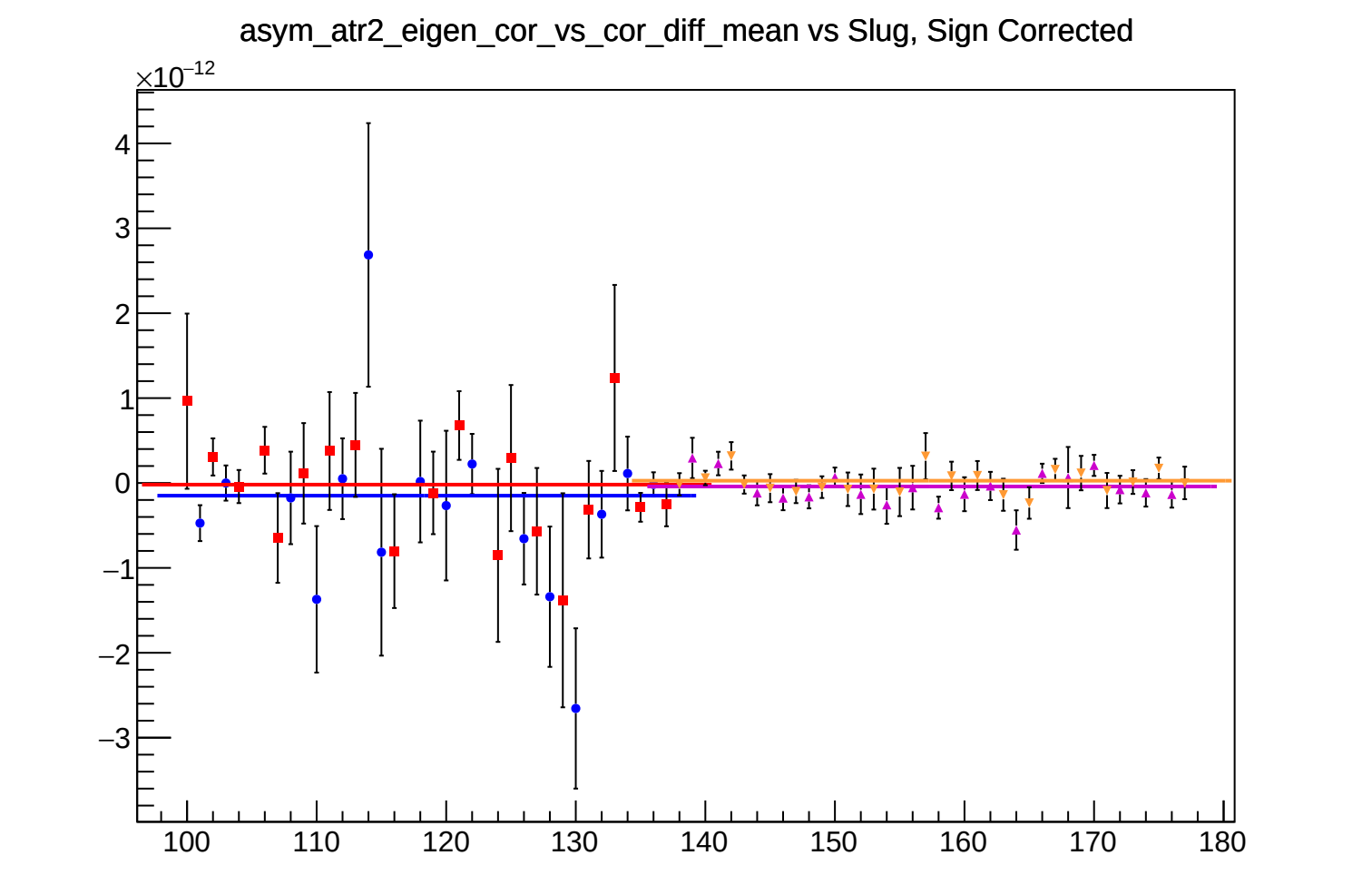
Left: 525.107+/-0.069 χ^2/NDF: 3811915.2/39

Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 446.637+/-0.071 χ^2/NDF:4157552.8/34

Out: 428.893+/-0.068 χ^2/NDF:6637686.9/39

All: 437.424+/-0.049 χ^2/NDF: 10827721.4/74



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

Left Out: 0.000+/-0.000 χ^2/NDF:12.9/20

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: -0.000+/-0.000 χ^2/NDF:25.2/18

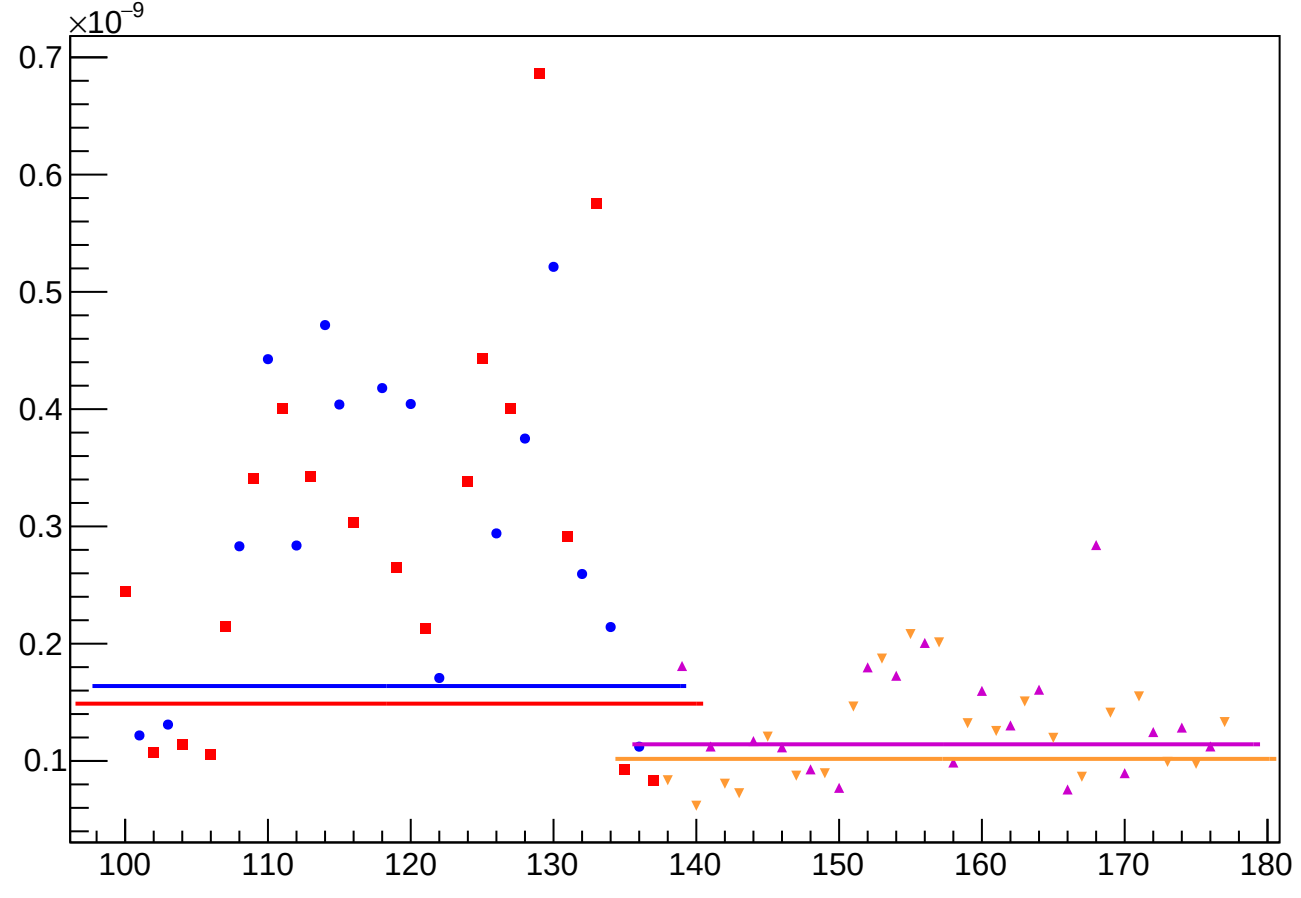
Left: -0.000+/-0.000 χ^2/NDF: 40.0/39

Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

In: -0.000+/-0.000 χ^2/NDF:47.8/34

Out: 0.000+/-0.000 χ^2/NDF:32.6/39

All: -0.000+/-0.000 χ^2/NDF: 83.3/74



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2181986.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1954089.7/18

Left: 0.000+/-0.000 χ^2/NDF: 4264394.3/39

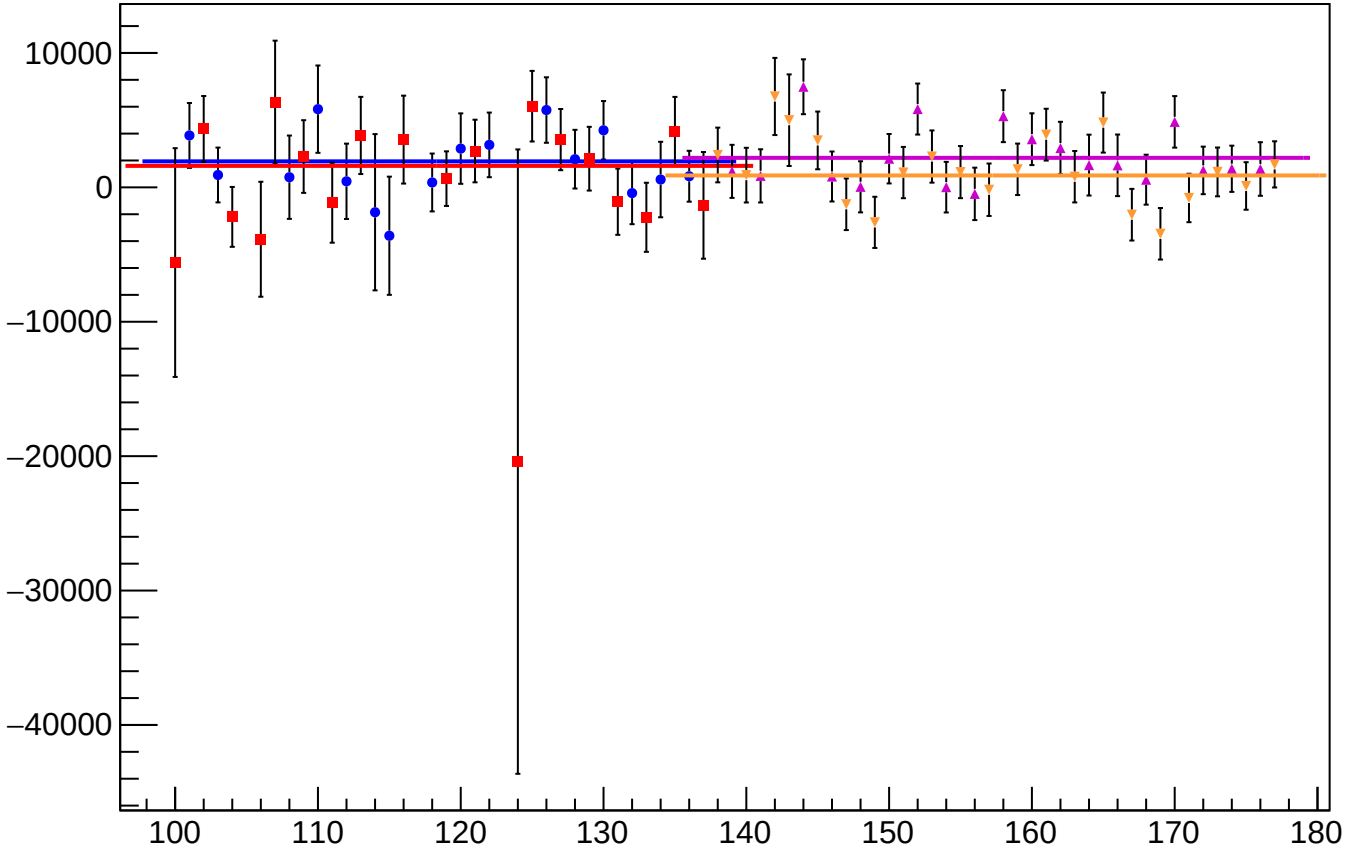
Right: 0.000+/-0.000 χ^2/NDF: 4888401.8/34

In: 0.000+/-0.000 χ^2/NDF:4517593.7/34

Out: 0.000+/-0.000 χ^2/NDF:5578218.8/39

All: 0.000+/-0.000 χ^2/NDF: 10270169.8/74

reg_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 886.800+/-432.294 χ^2/NDF:27.5/20

Right Out: 1597.959+/-642.207 χ^2/NDF: 19.4/18

Left In: 2196.010+/-443.181 χ^2/NDF:22.9/18

Left: 1525.127+/-309.456 χ^2/NDF: 54.9/39

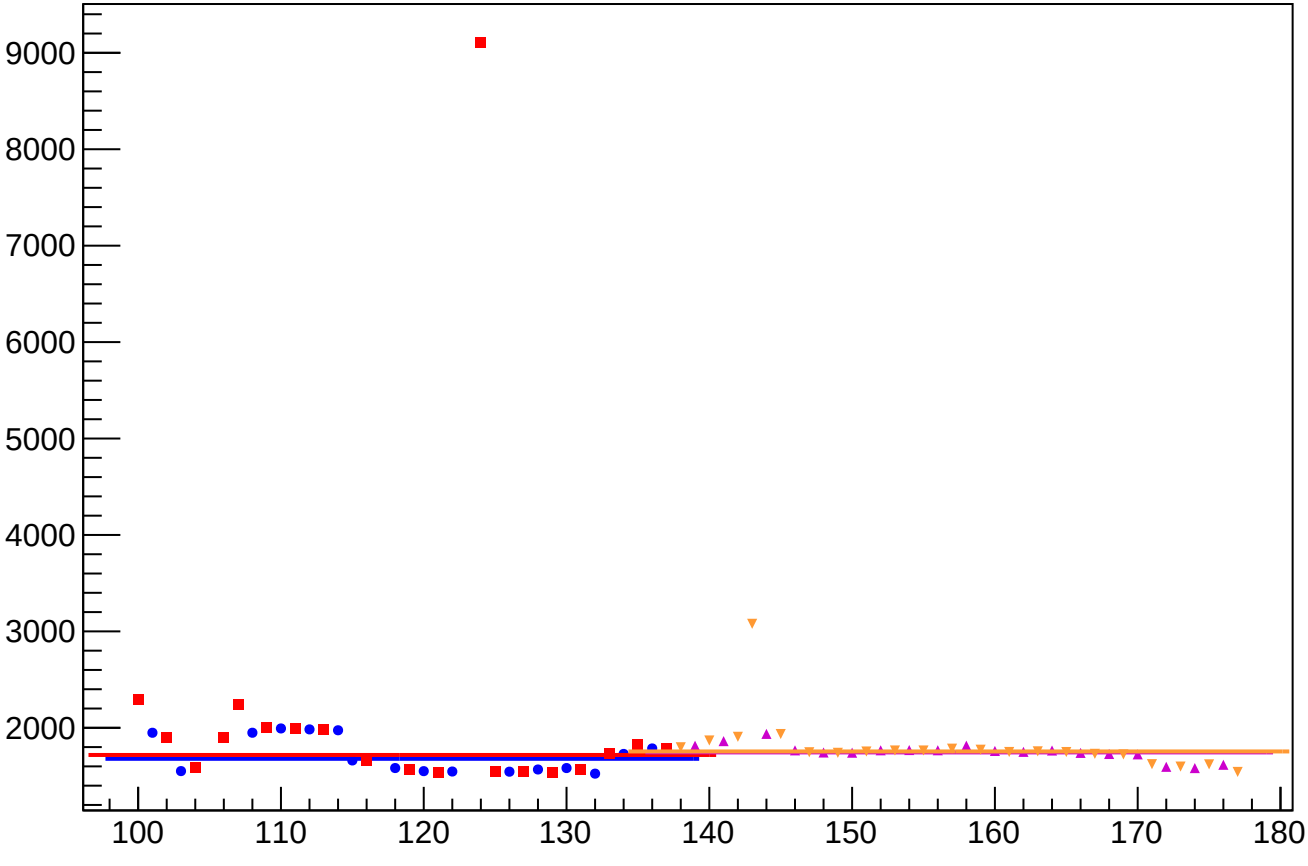
Right: 1770.157+/-448.956 χ^2/NDF: 30.4/34

In: 2109.133+/-362.071 χ^2/NDF:33.9/34

Out: 1108.556+/-358.616 χ^2/NDF:47.8/39

All: 1604.047+/-254.793 χ^2/NDF: 85.5/74

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1754.877+/-0.306 χ^2/NDF:398142.9/20

Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1744.903+/-0.313 χ^2/NDF:71979.9/18

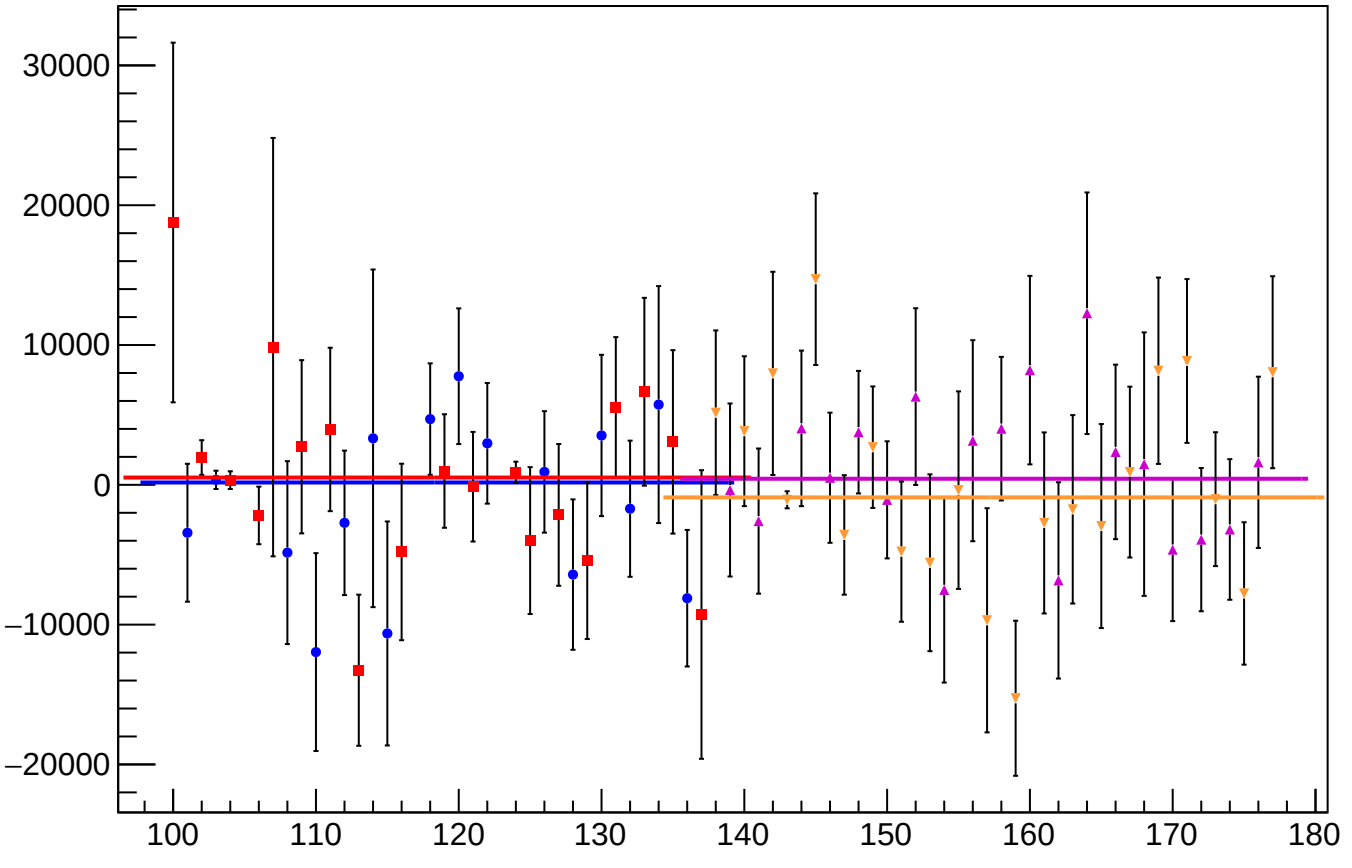
Left: 1750.014+/-0.219 χ^2/NDF: 470641.9/39

Right: 1698.073+/-0.317 χ^2/NDF: 528602.3/34

In: 1722.836+/-0.256 χ^2/NDF:228374.2/34

Out: 1743.401+/-0.253 χ^2/NDF:785813.1/39

All: 1733.232+/-0.180 χ^2/NDF: 1017449.1/74



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -899.715+/-552.139 χ^2/NDF:28.4/20

Right Out: 521.080+/-424.783 χ^2/NDF: 18.5/18

Left In: 435.208+/-1300.980 χ^2/NDF:11.1/18

Left: -695.971+/-508.260 χ^2/NDF: 40.4/39

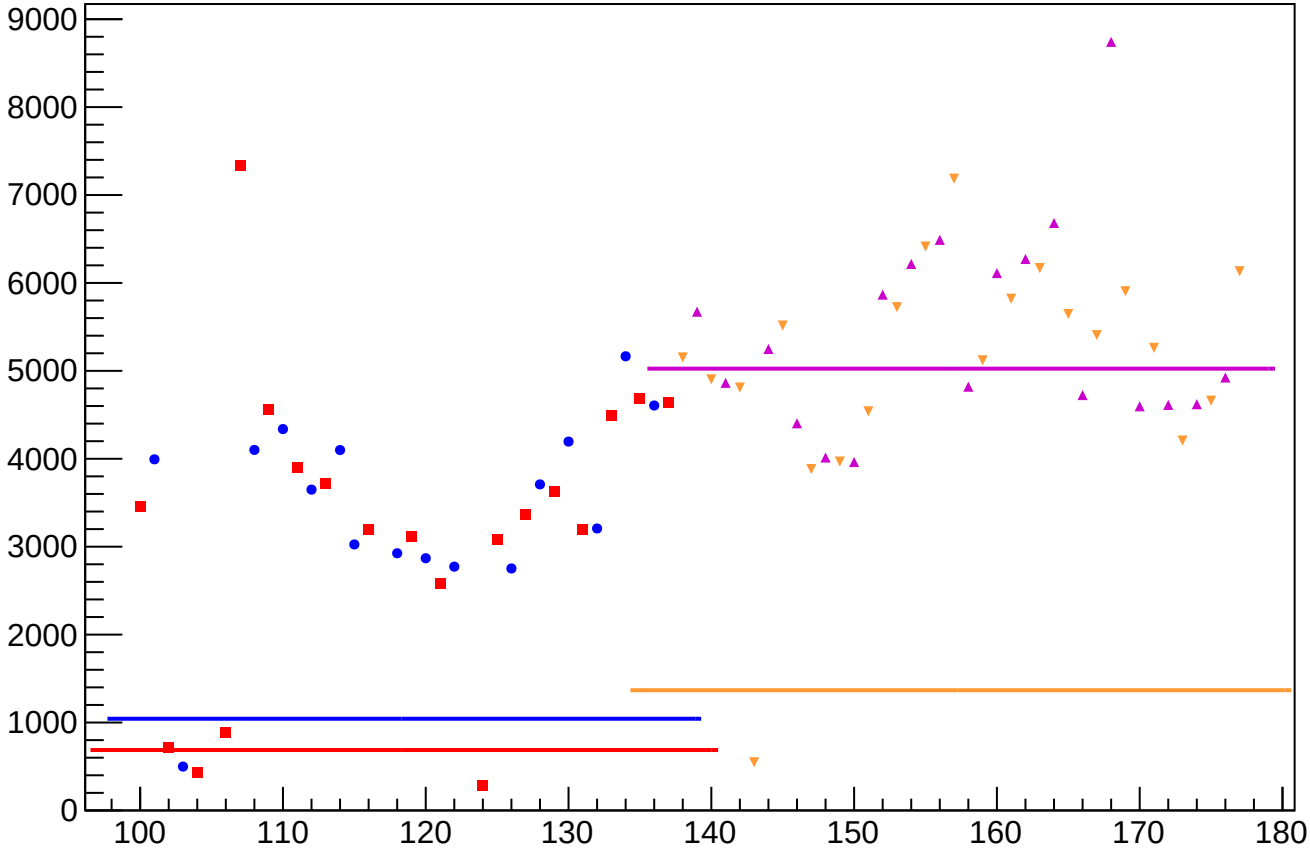
Right: 401.068+/-345.050 χ^2/NDF: 34.6/34

In: 214.021+/-538.540 χ^2/NDF:26.9/34

Out: -7.191+/-336.675 χ^2/NDF:51.1/39

All: 54.970+/-285.479 χ^2/NDF: 78.2/74

asym_atl_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 1367.713+/-0.390 χ^2/NDF:20647700.6/20

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

Left In: 5025.078+/-0.920 χ^2/NDF:1028648.6/18

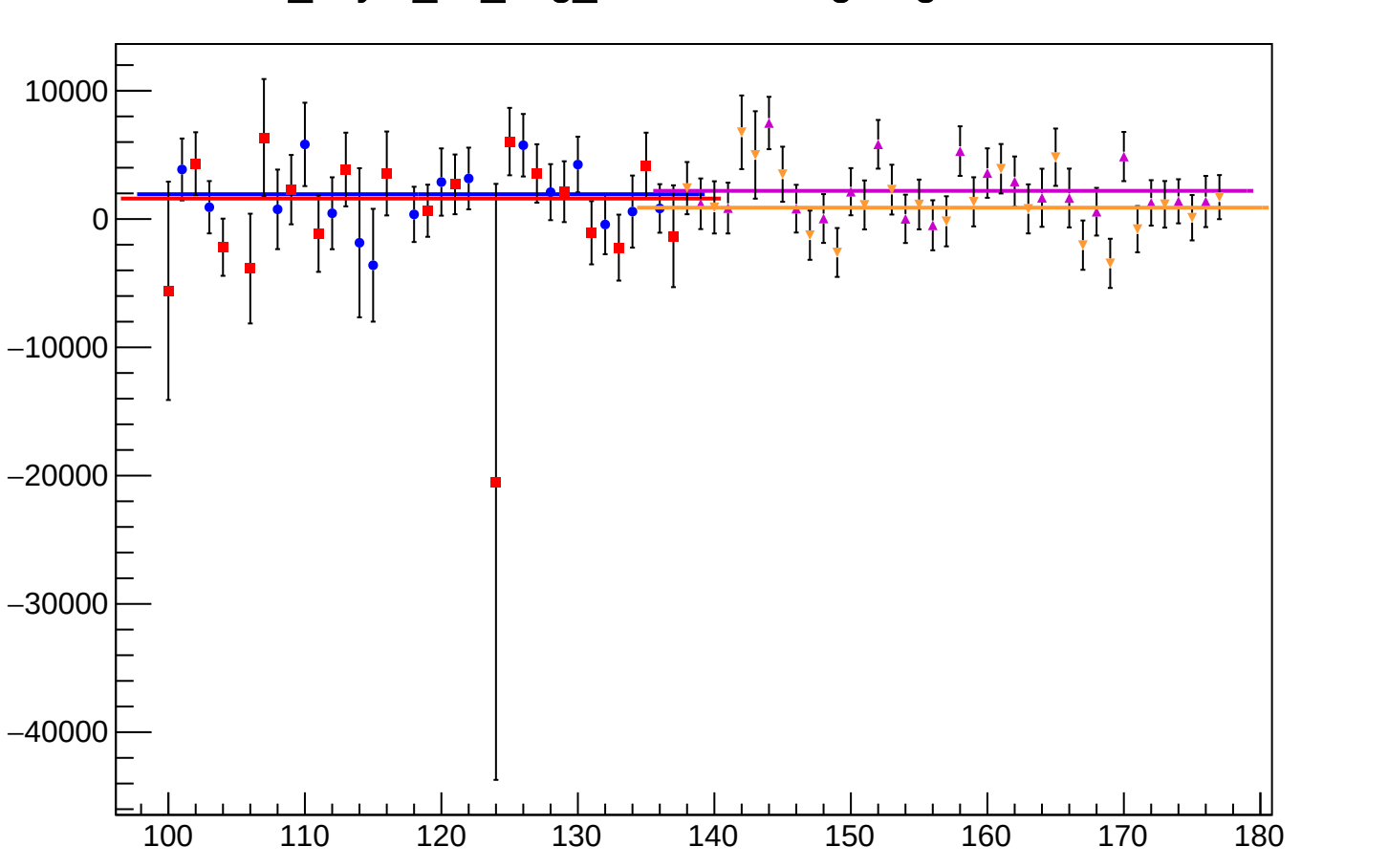
Left: 1925.924+/-0.359 χ^2/NDF: 35070034.9/39

Right: 808.358+/-0.244 χ^2/NDF: 17220710.7/34

In: 1725.441+/-0.381 χ^2/NDF:24666265.2/34

Out: 940.305+/-0.238 χ^2/NDF:31187017.1/39

All: 1160.932+/-0.202 χ^2/NDF: 58909686.4/7



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 886.742+/-432.294 χ^2/NDF:27.5/20

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 2196.073+/-443.181 χ^2/NDF:22.9/18

Left: 1525.128+/-309.456 χ^2/NDF: 54.9/39

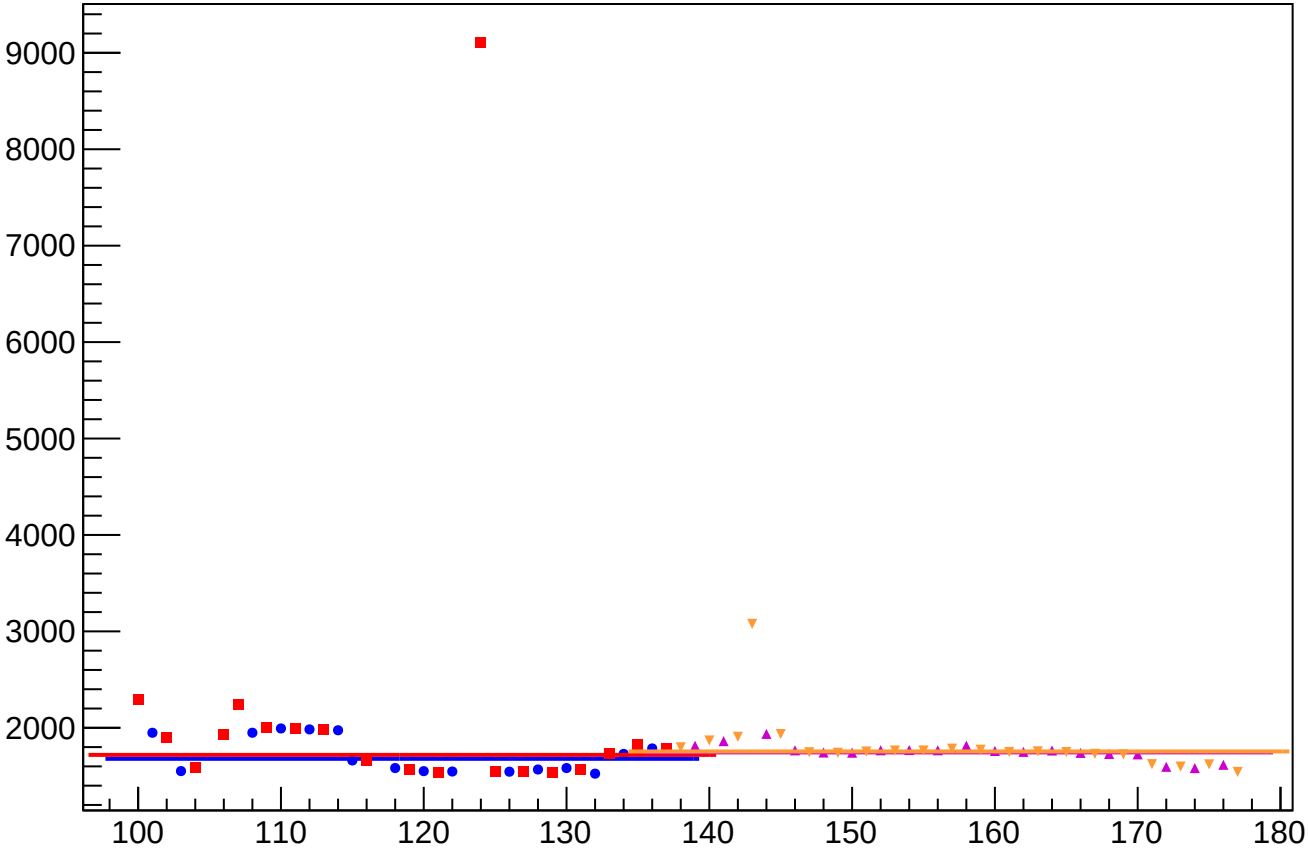
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2109.213+/-362.071 χ^2/NDF:33.9/34

Out: 1107.754+/-358.617 χ^2/NDF:47.7/39

All: 1603.683+/-254.793 χ^2/NDF: 85.5/74

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1754.877+/-0.306 χ^2/NDF:398142.9/20

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1744.903+/-0.313 χ^2/NDF:71979.9/18

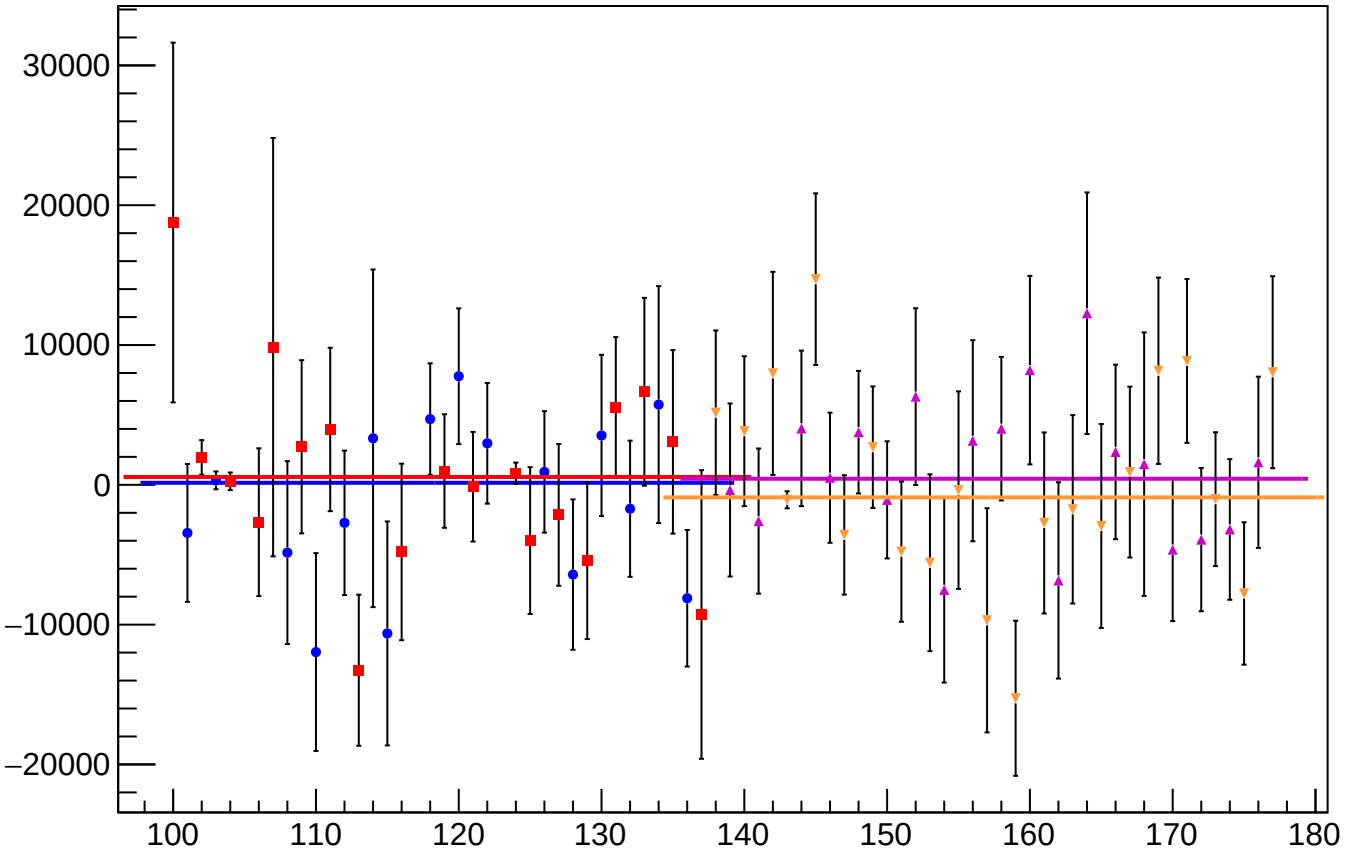
Left: 1750.014+/-0.219 χ^2/NDF: 470641.9/39

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1722.836+/-0.256 χ^2/NDF:228374.4/34

Out: 1743.670+/-0.253 χ^2/NDF:787350.7/39

All: 1733.367+/-0.180 χ^2/NDF: 1019072.3/74



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -899.394+/-552.120 χ^2/NDF:28.4/20

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 435.346+/-1300.979 χ^2/NDF:11.1/18

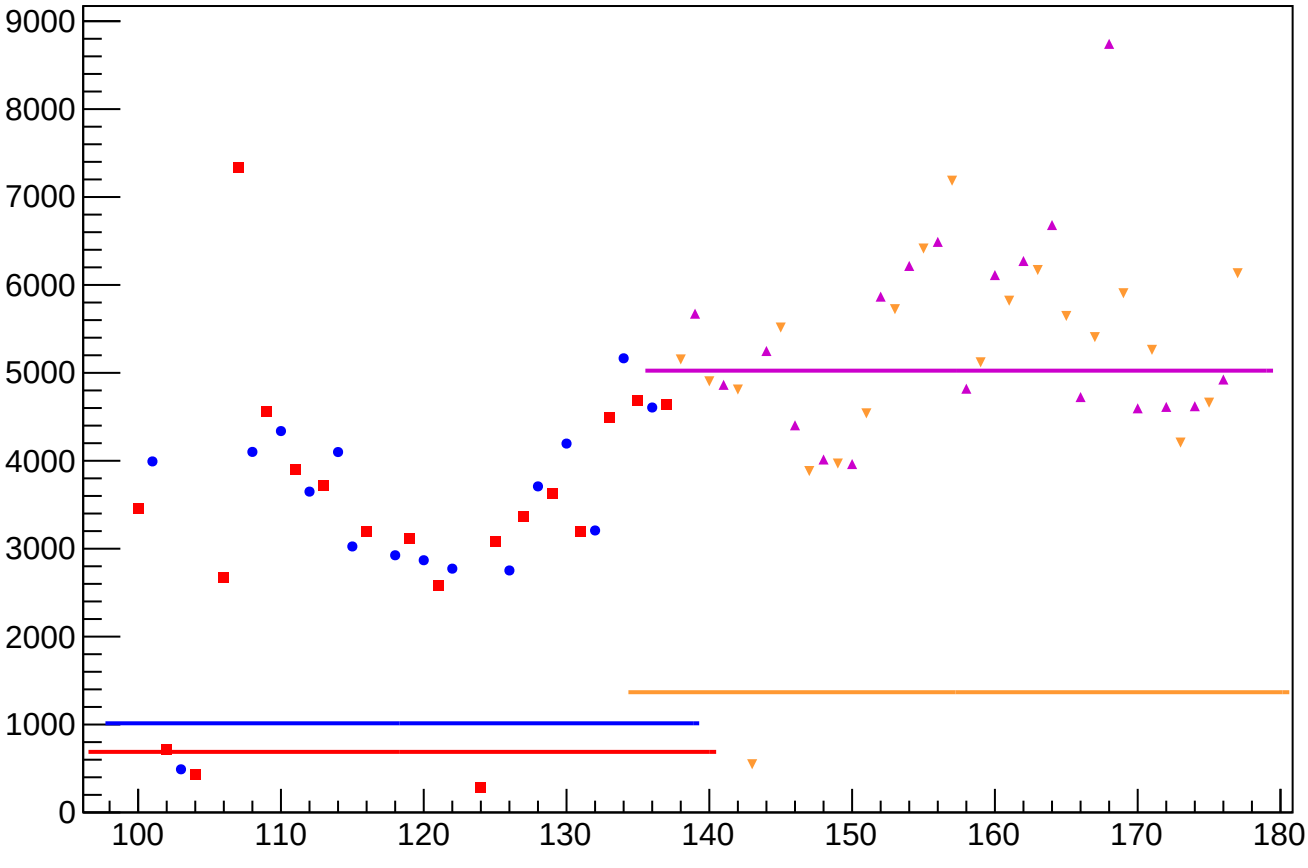
Left: -695.689+/-508.245 χ^2/NDF: 40.4/39

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 194.342+/-529.250 χ^2/NDF:26.9/34

Out: 8.919+/-339.556 χ^2/NDF:50.0/39

All: 62.988+/-285.793 χ^2/NDF: 77.0/74



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1367.639+/-0.390 χ^2/NDF:20648205.6/20

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 5025.074+/-0.920 χ^2/NDF:1028667.4/18

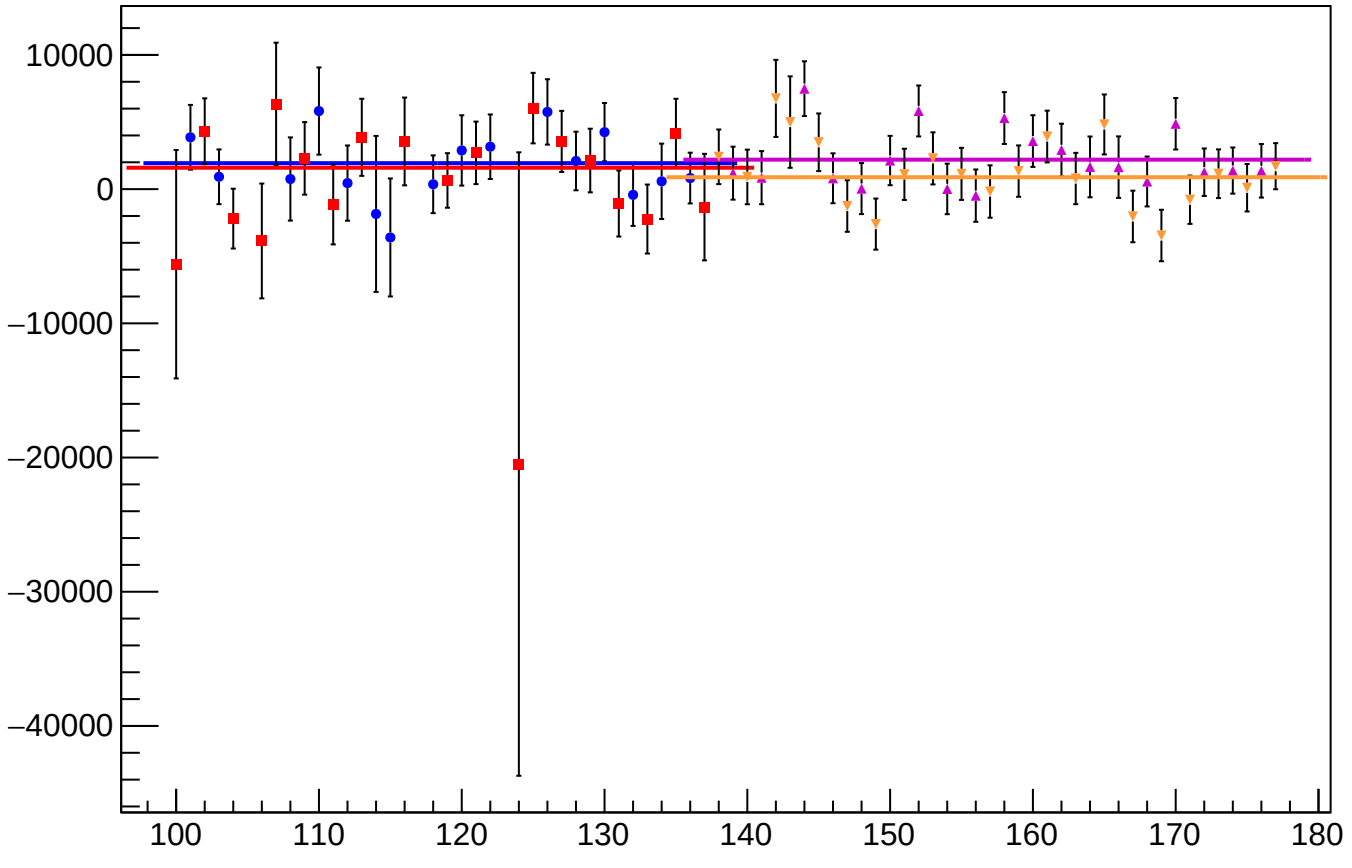
Left: 1925.829+/-0.359 χ^2/NDF: 35071218.3/39

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1677.884+/-0.374 χ^2/NDF:25115945.0/34

Out: 945.715+/-0.240 χ^2/NDF:31437030.1/39

All: 1159.213+/-0.202 χ^2/NDF: 59264497.0/7



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 886.742+/-432.294 χ^2/NDF:27.5/20

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 2196.073+/-443.181 χ^2/NDF:22.9/18

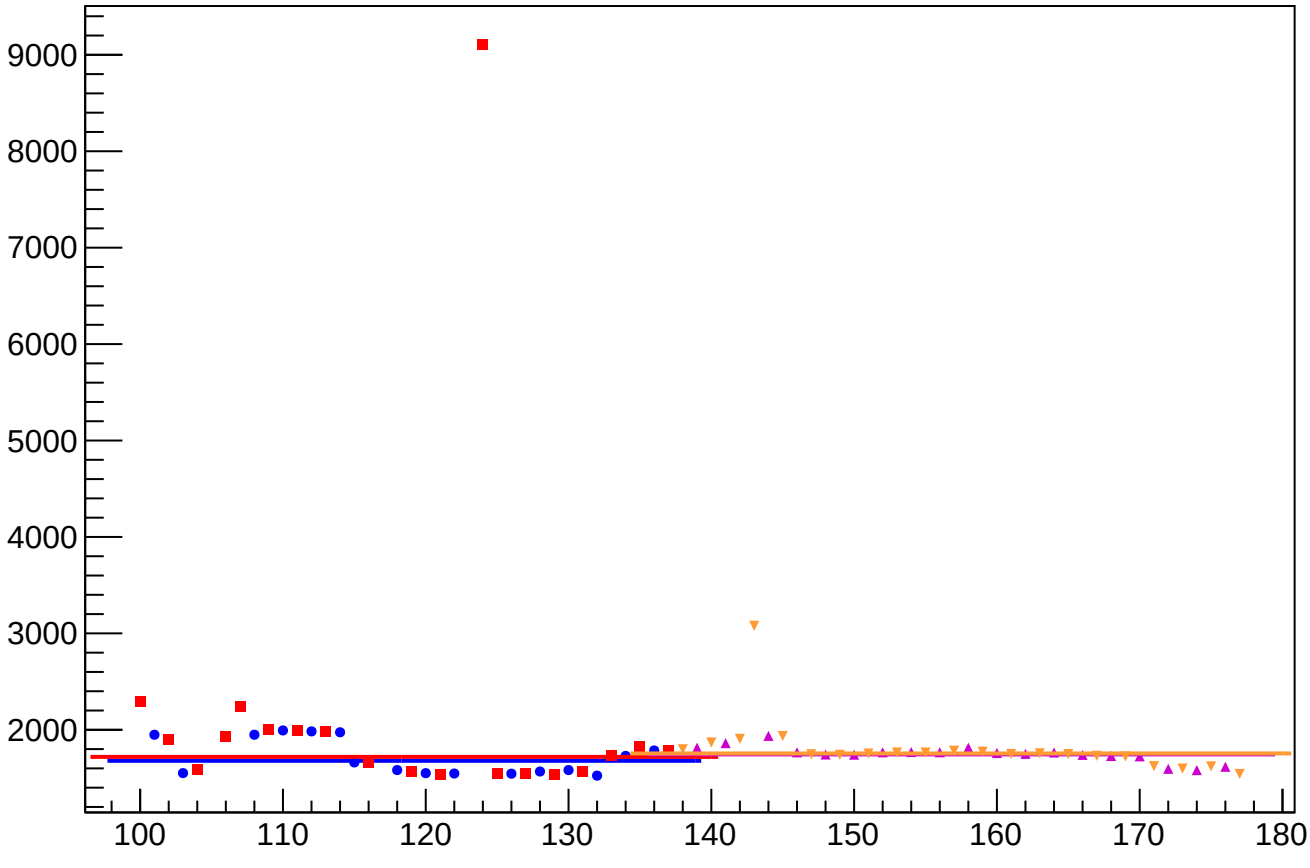
Left: 1525.128+/-309.456 χ^2/NDF: 54.9/39

Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2109.213+/-362.071 χ^2/NDF:33.9/34

Out: 1107.754+/-358.617 χ^2/NDF:47.7/39

All: 1603.683+/-254.793 χ^2/NDF: 85.5/74



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1754.877+/-0.306 χ^2/NDF:398142.9/20

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1744.903+/-0.313 χ^2/NDF:71979.9/18

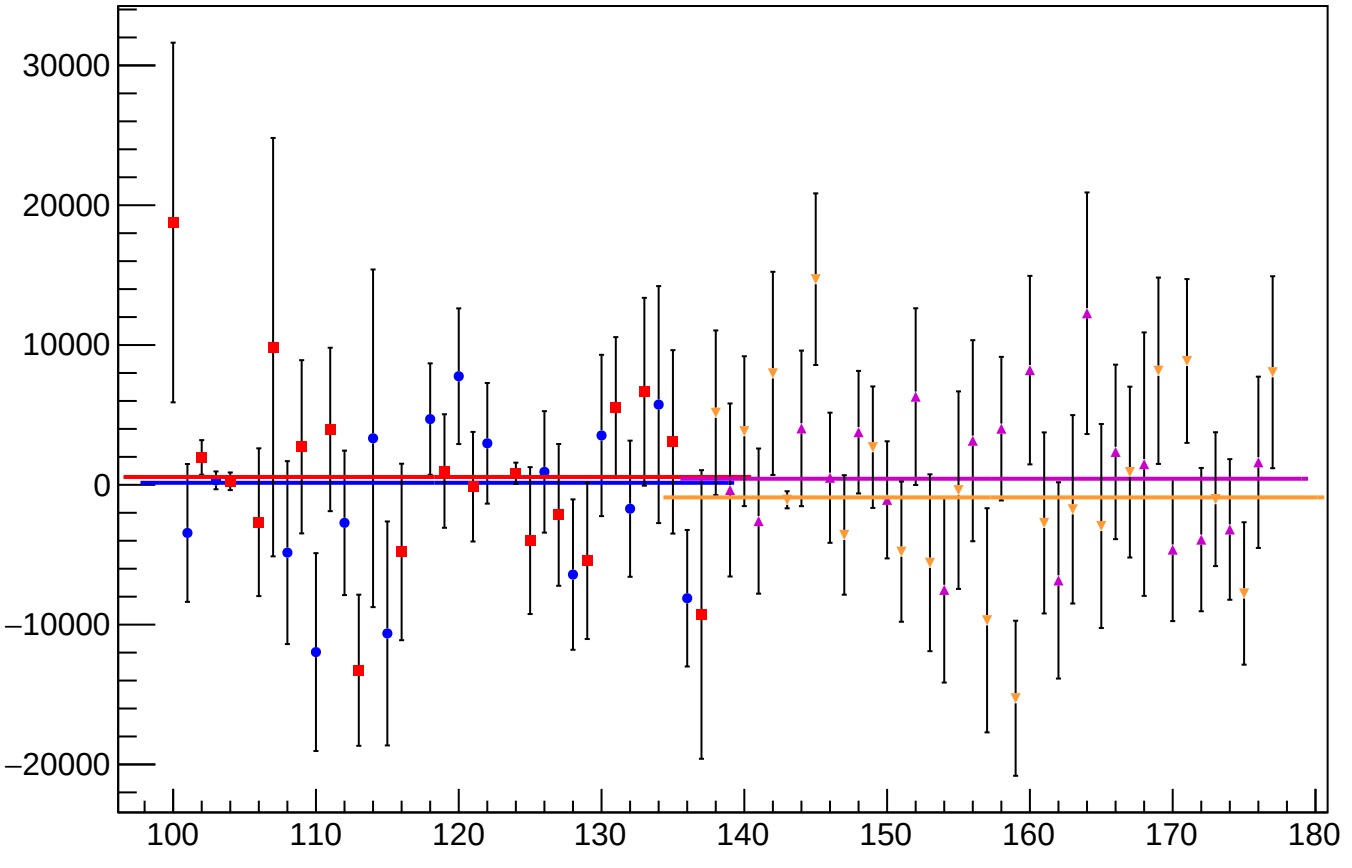
Left: 1750.014+/-0.219 χ^2/NDF: 470641.9/39

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1722.836+/-0.256 χ^2/NDF:228374.4/34

Out: 1743.670+/-0.253 χ^2/NDF:787350.7/39

All: 1733.367+/-0.180 χ^2/NDF: 1019072.3/74



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -899.394+/-552.120 χ^2/NDF:28.4/20

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 435.346+/-1300.979 χ^2/NDF:11.1/18

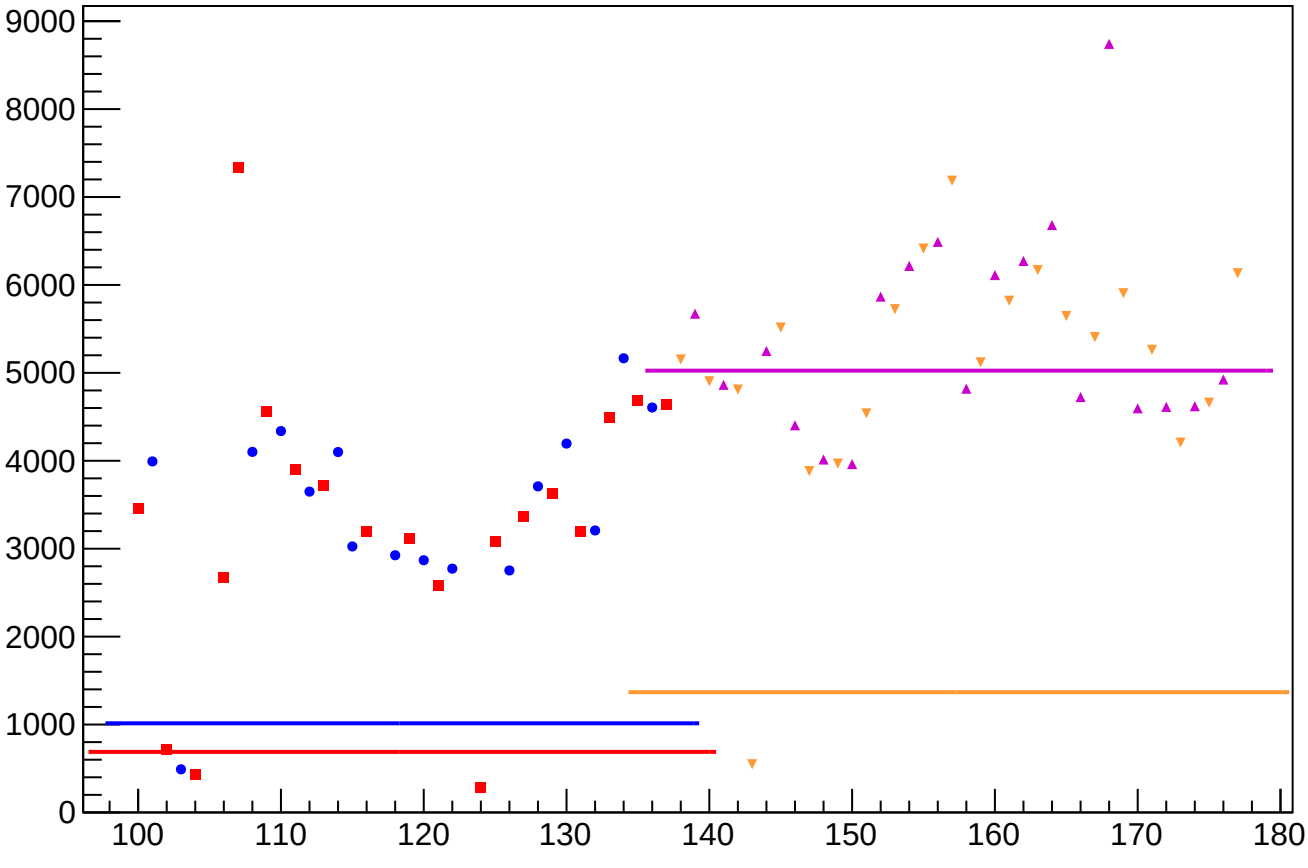
Left: -695.689+/-508.245 χ^2/NDF: 40.4/39

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 194.342+/-529.250 χ^2/NDF:26.9/34

Out: 8.919+/-339.556 χ^2/NDF:50.0/39

All: 62.988+/-285.793 χ^2/NDF: 77.0/74



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1367.639+/-0.390 χ^2/NDF:20648205.6/20

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 5025.074+/-0.920 χ^2/NDF:1028667.4/18

Left: 1925.829+/-0.359 χ^2/NDF: 35071218.3/39

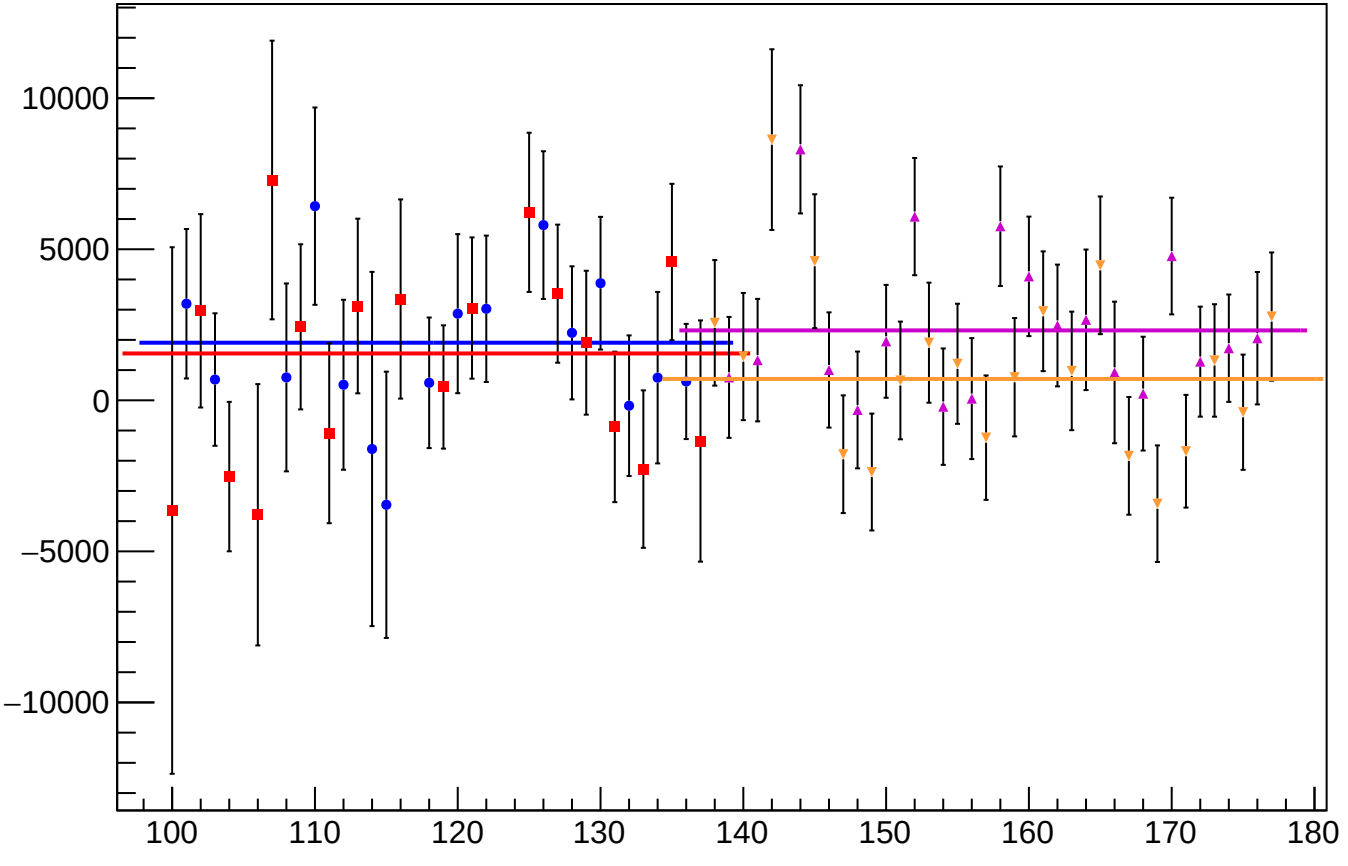
Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1677.884+/-0.374 χ^2/NDF:25115945.0/34

Out: 945.715+/-0.240 χ^2/NDF:31437030.1/39

All: 1159.213+/-0.202 χ^2/NDF: 59264497.0/7

dit_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 707.097+/-452.593 χ^2/NDF:29.9/19

Right Out: 1550.986+/-661.054 χ^2/NDF: 17.5/17

Left In: 2313.846+/-455.048 χ^2/NDF:25.5/18

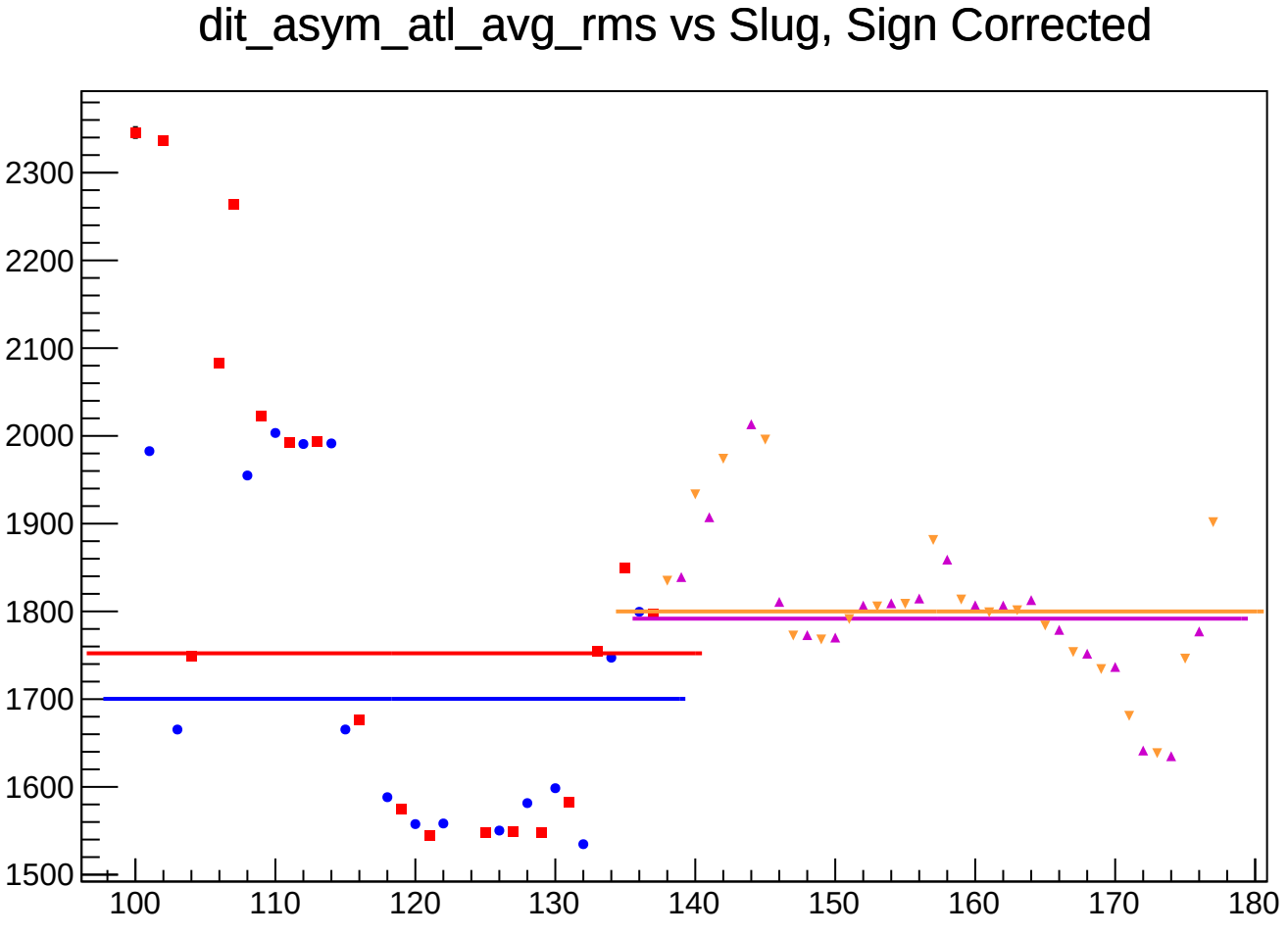
Left: 1506.125+/-320.896 χ^2/NDF: 61.6/38

Right: 1735.334+/-458.483 χ^2/NDF: 27.8/33

In: 2175.948+/-370.163 χ^2/NDF:36.0/34

Out: 976.424+/-373.451 χ^2/NDF:48.4/37

All: 1581.489+/-262.900 χ^2/NDF: 89.6/72



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1799.954+/-0.320 χ^2/NDF:68165.7/19

Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1791.729+/-0.322 χ^2/NDF:65200.2/18

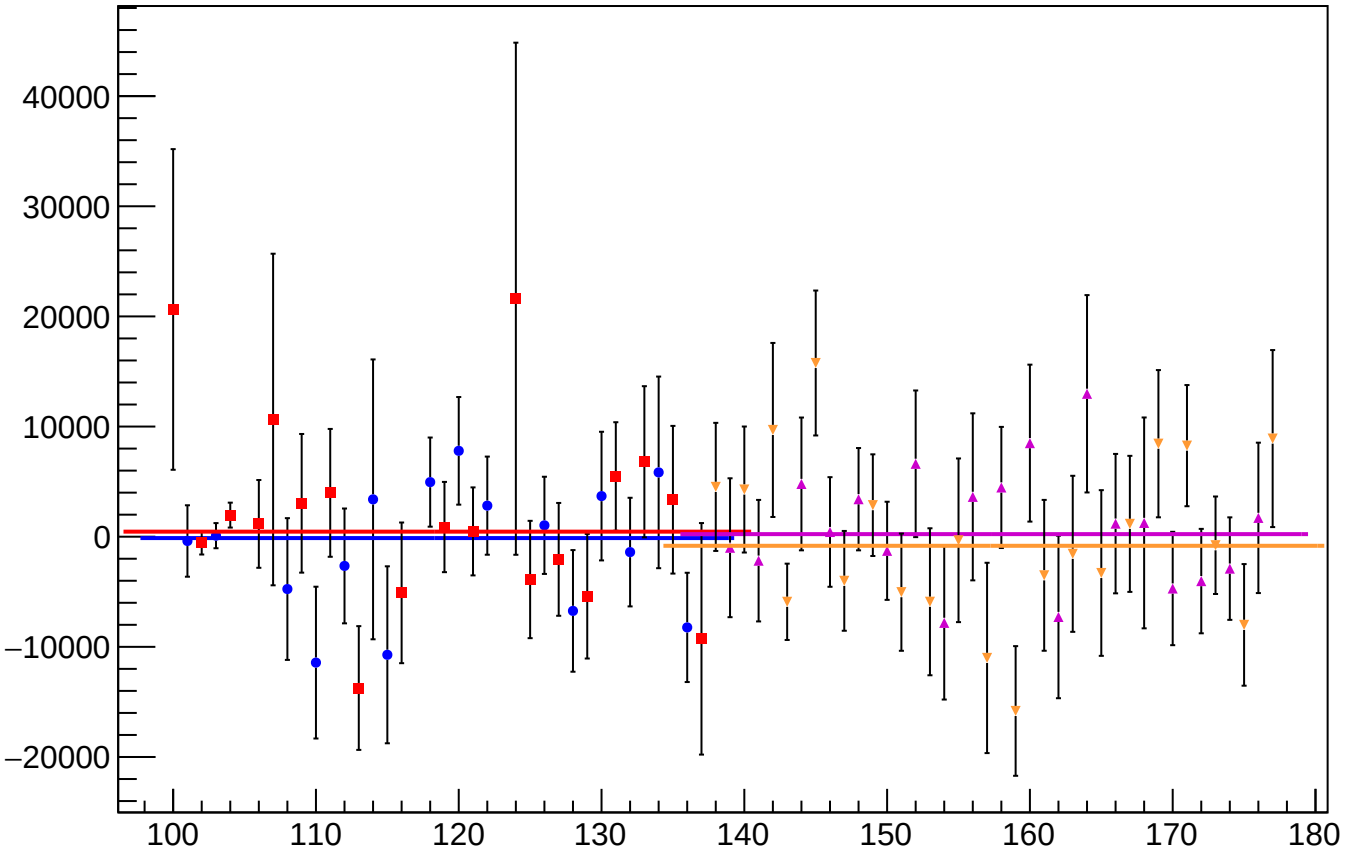
Left: 1795.864+/-0.227 χ^2/NDF: 133694.4/38

Right: 1725.373+/-0.324 χ^2/NDF: 389780.4/33

In: 1760.819+/-0.262 χ^2/NDF:227898.0/34

Out: 1784.678+/-0.264 χ^2/NDF:323235.0/37

All: 1772.652+/-0.186 χ^2/NDF: 555253.7/72



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: -825.356+/-1253.597 χ^2/NDF:30.3/20

Right Out: 459.431+/-679.157 χ^2/NDF: 18.5/18

Left In: 233.983+/-1345.193 χ^2/NDF:11.1/18

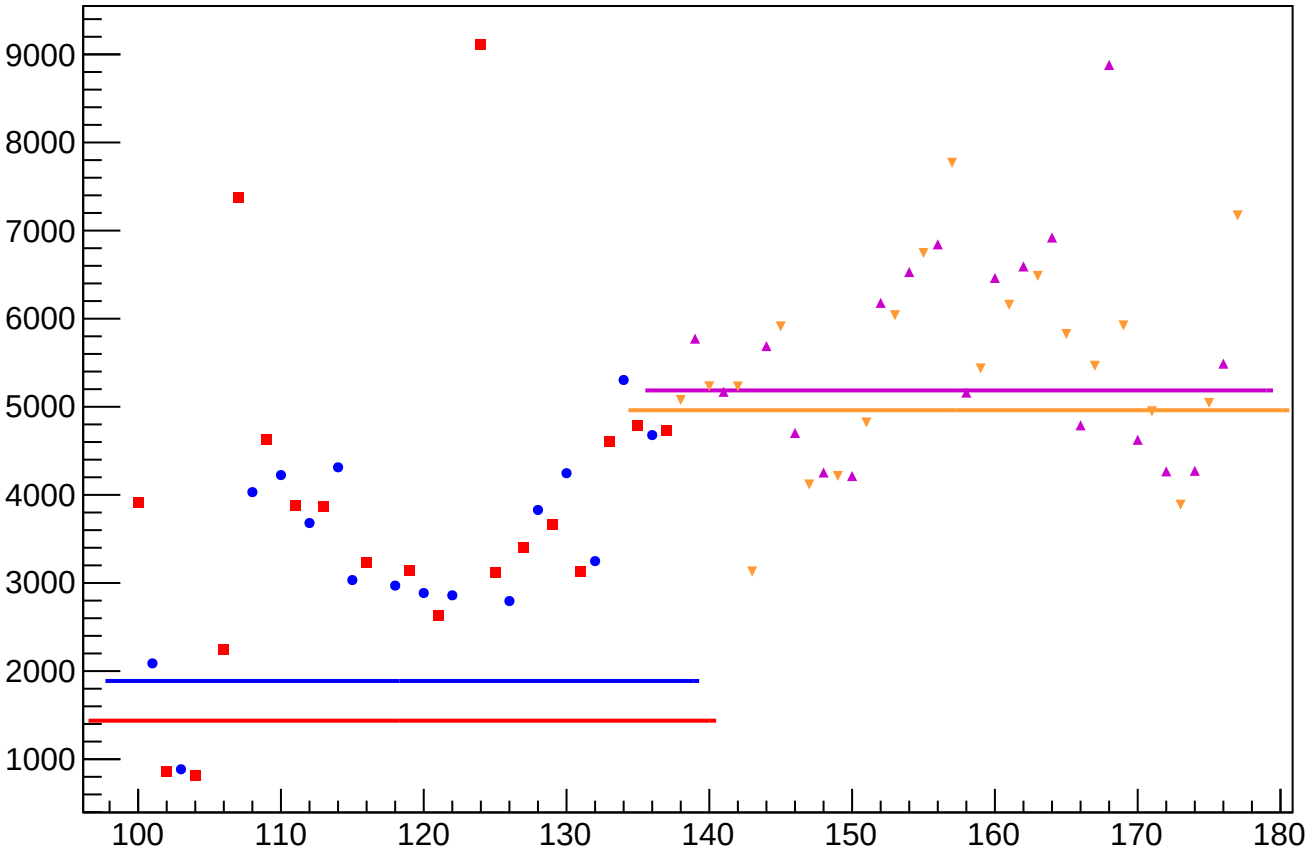
Left: -332.977+/-917.100 χ^2/NDF: 41.8/39

Right: 237.213+/-534.800 χ^2/NDF: 33.9/34

In: -19.863+/-729.134 χ^2/NDF:26.2/34

Out: 167.899+/-597.152 χ^2/NDF:49.7/39

All: 92.520+/-461.988 χ^2/NDF: 75.9/74



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 4961.003+/-0.886 χ^2/NDF:1627338.5/20

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

Left In: 5185.849+/-0.951 χ^2/NDF:1138130.0/18

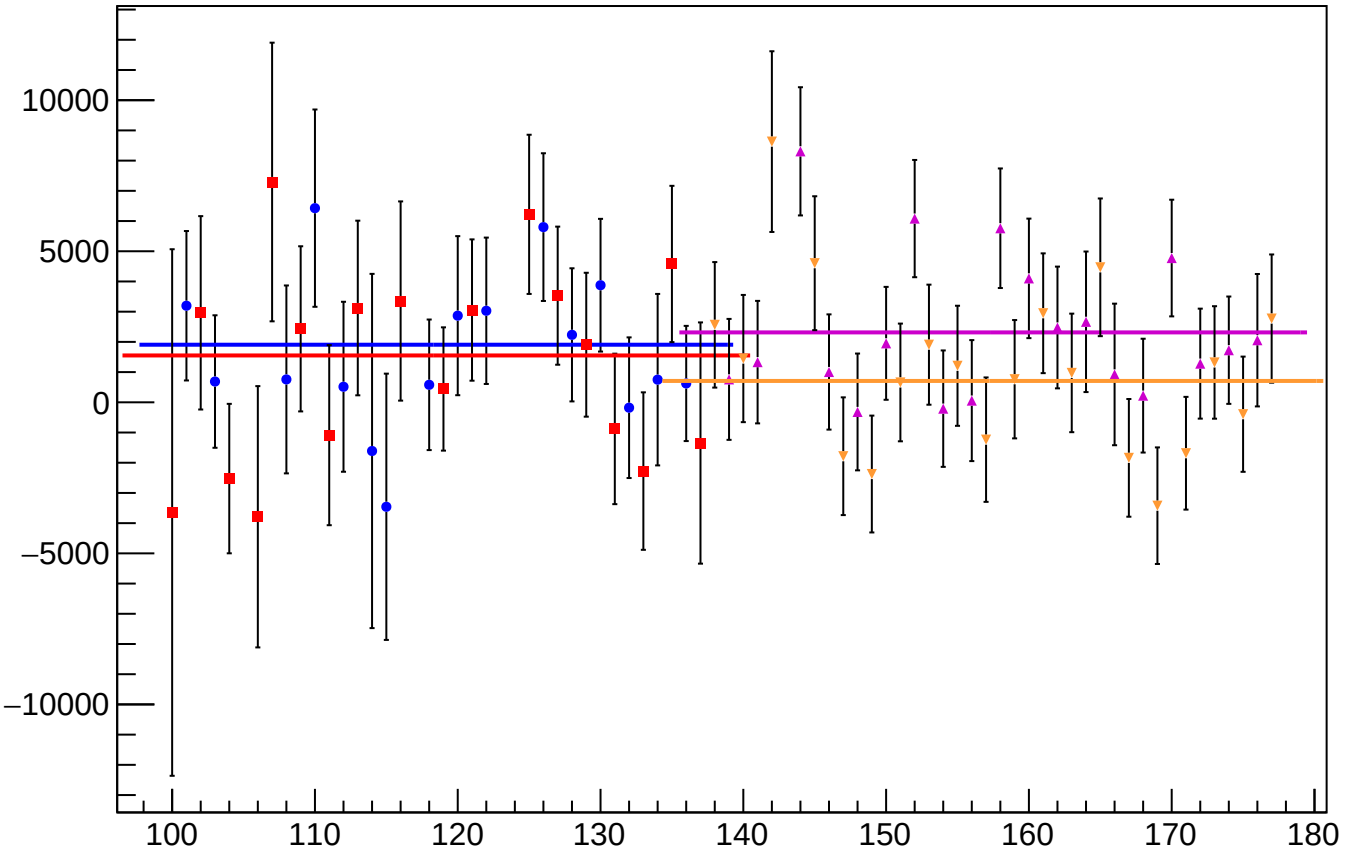
Left: 5065.511+/-0.648 χ^2/NDF: 2795373.7/39

Right: 1608.413+/-0.378 χ^2/NDF: 10724797.8/34

In: 2856.893+/-0.516 χ^2/NDF:14052755.2/34

Out: 2236.716+/-0.422 χ^2/NDF:19809253.9/39

All: 2485.695+/-0.327 χ^2/NDF: 34728046.9/7



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 707.094+/-452.593 χ^2/NDF:29.9/19

Right Out: 1550.983+/-661.054 χ^2/NDF: 17.5/17

Left In: 2313.847+/-455.049 χ^2/NDF:25.5/18

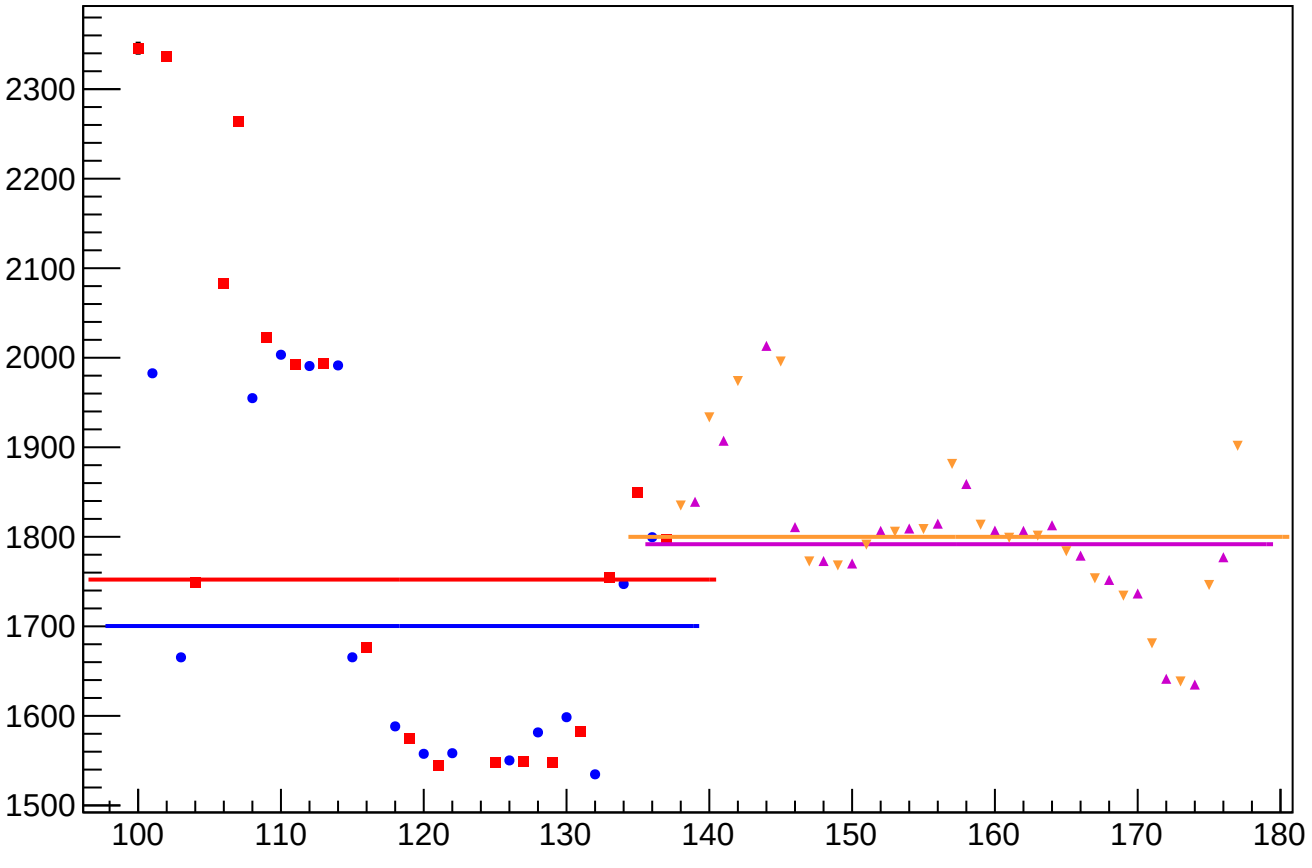
Left: 1506.124+/-320.896 χ^2/NDF: 61.6/38

Right: 1735.331+/-458.483 χ^2/NDF: 27.8/33

In: 2175.948+/-370.164 χ^2/NDF:36.0/34

Out: 976.421+/-373.451 χ^2/NDF:48.4/37

All: 1581.488+/-262.900 χ^2/NDF: 89.6/72



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1799.955+/-0.320 χ^2/NDF:68168.7/19

Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1791.730+/-0.322 χ^2/NDF:65202.3/18

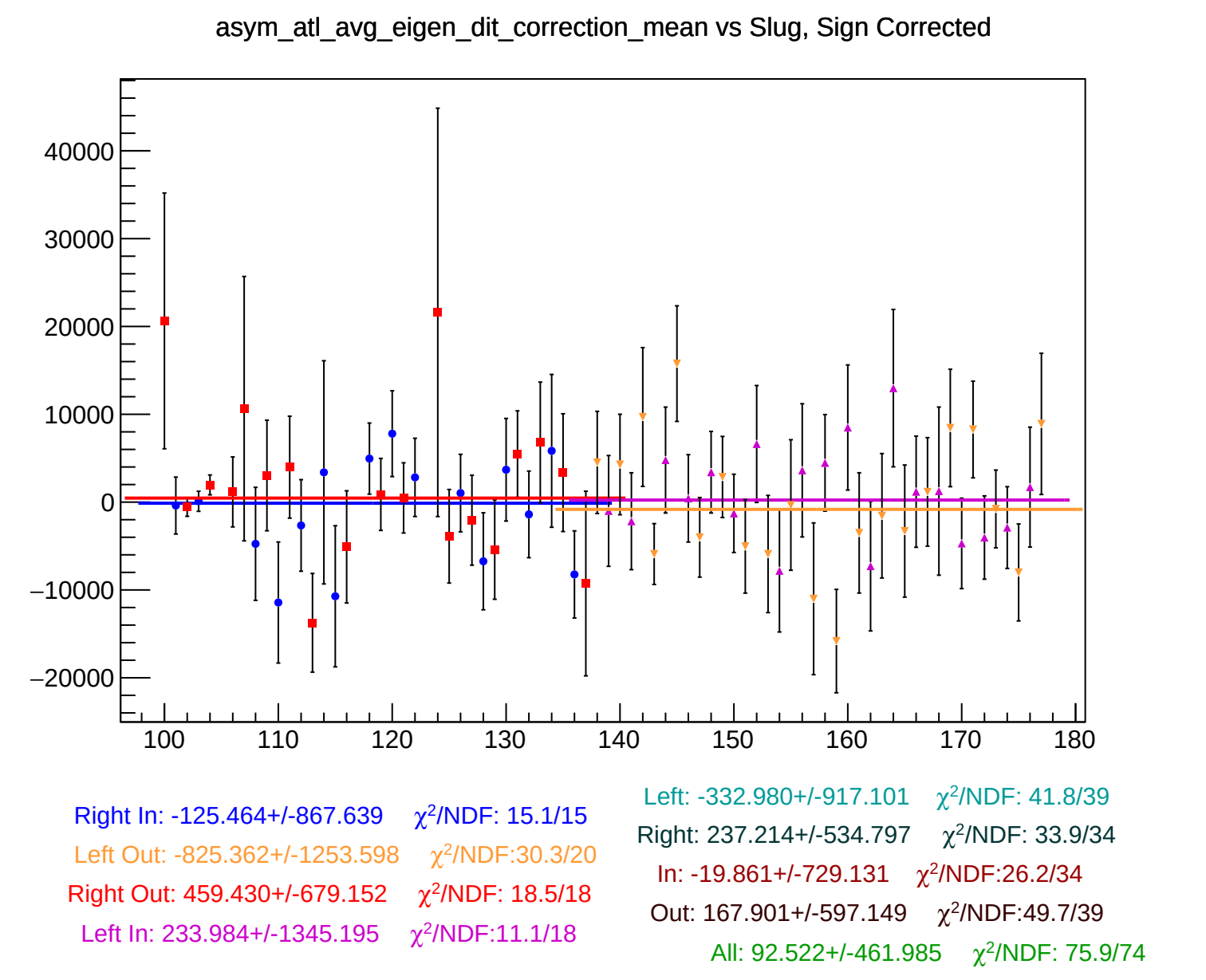
Left: 1795.864+/-0.227 χ^2/NDF: 133699.5/38

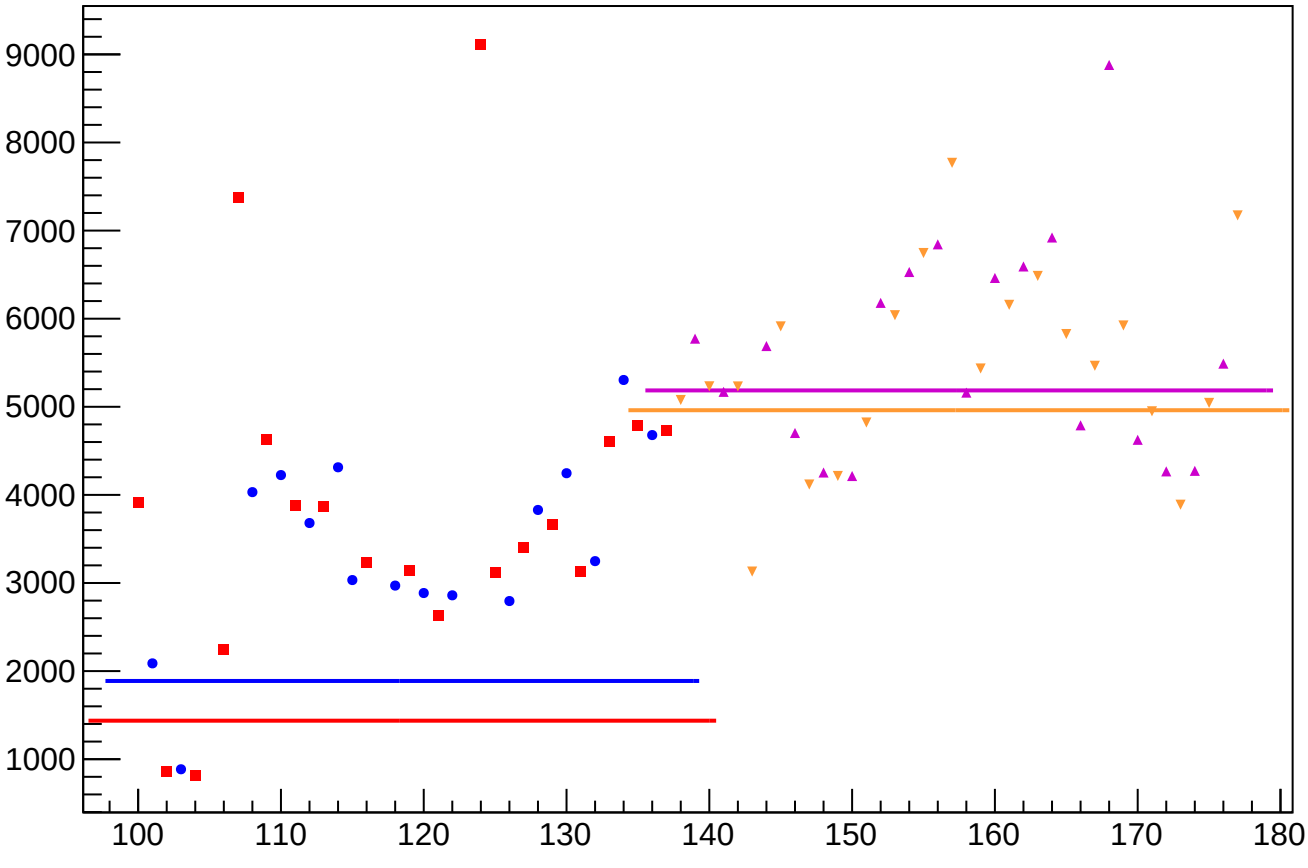
Right: 1725.372+/-0.324 χ^2/NDF: 389780.1/33

In: 1760.820+/-0.262 χ^2/NDF:227900.9/34

Out: 1784.679+/-0.264 χ^2/NDF:323237.9/37

All: 1772.652+/-0.186 χ^2/NDF: 555259.6/72


asym_atl_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: -125.464+/-867.639 χ²/NDF: 15.1/15
Left Out: -825.362+/-1253.598 χ²/NDF:30.3/20
Right Out: 459.430+/-679.152 χ²/NDF: 18.5/18
Left In: 233.984+/-1345.195 χ²/NDF:11.1/18
Left: -332.980+/-917.101 χ²/NDF: 41.8/39
Right: 237.214+/-534.797 χ²/NDF: 33.9/34
In: -19.861+/-729.131 χ²/NDF:26.2/34
Out: 167.901+/-597.149 χ²/NDF:49.7/39
All: 92.522+/-461.985 χ²/NDF: 75.9/74



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4961.011+/-0.886 χ^2/NDF:1627344.4/20

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

Left In: 5185.858+/-0.951 χ^2/NDF:1138130.4/18

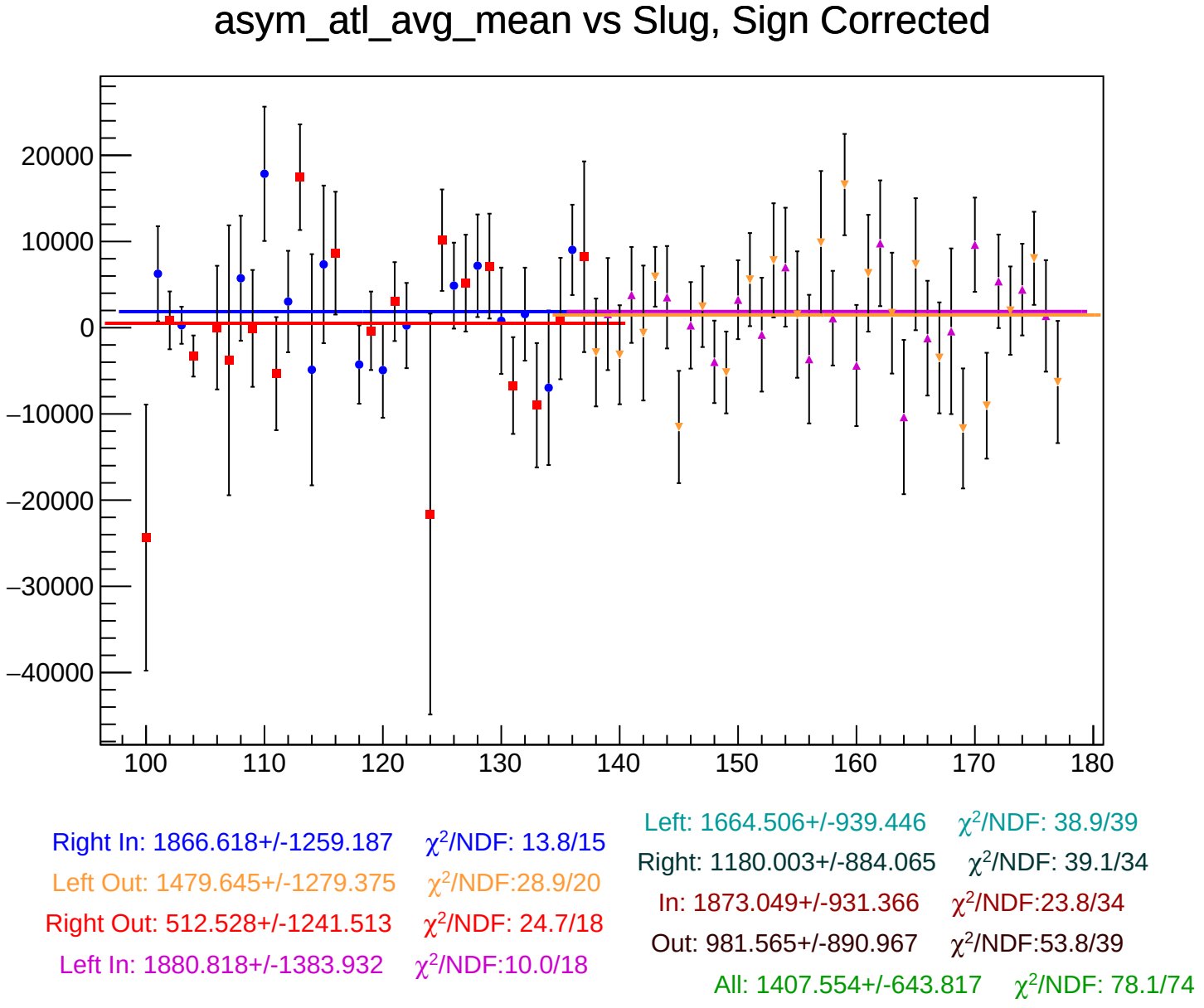
Left: 5065.519+/-0.648 χ^2/NDF: 2795380.4/39

Right: 1608.398+/-0.378 χ^2/NDF: 10724869.8/34

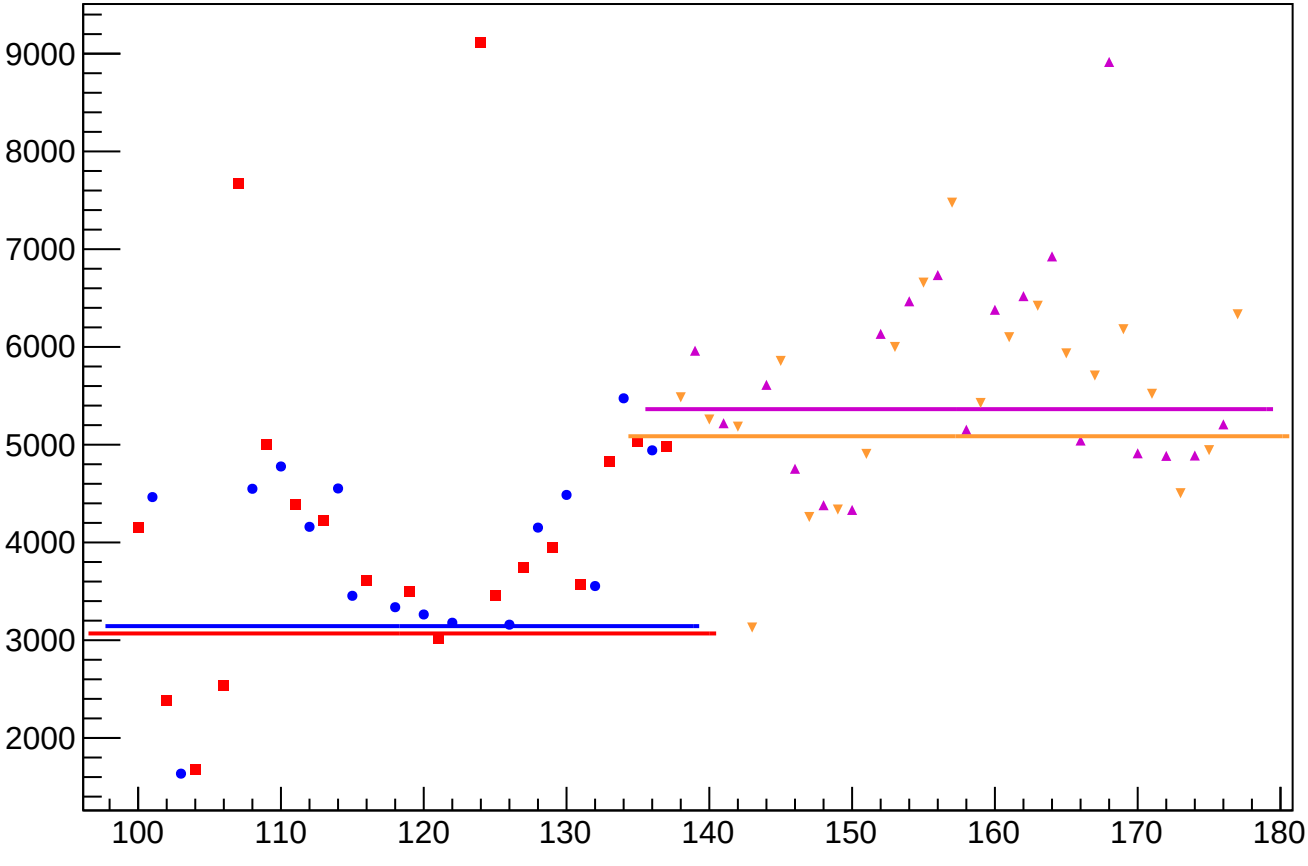
In: 2856.873+/-0.516 χ^2/NDF:14052934.1/34

Out: 2236.696+/-0.422 χ^2/NDF:19809450.8/39

All: 2485.674+/-0.327 χ^2/NDF: 34728429.8/7


asym_atl_avg_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
Right In: 1866.618+/-1259.187 χ²/NDF: 13.8/15
Left Out: 1479.645+/-1279.375 χ²/NDF:28.9/20
Right Out: 512.528+/-1241.513 χ²/NDF: 24.7/18
Left In: 1880.818+/-1383.932 χ²/NDF:10.0/18
Left: 1664.506+/-939.446 χ²/NDF: 38.9/39
Right: 1180.003+/-884.065 χ²/NDF: 39.1/34
In: 1873.049+/-931.366 χ²/NDF:23.8/34
Out: 981.565+/-890.967 χ²/NDF:53.8/39
All: 1407.554+/-643.817 χ²/NDF: 78.1/74

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 5086.465+/-0.905 χ^2/NDF:1401492.7/20

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

Left In: 5363.663+/-0.979 χ^2/NDF:863223.8/18

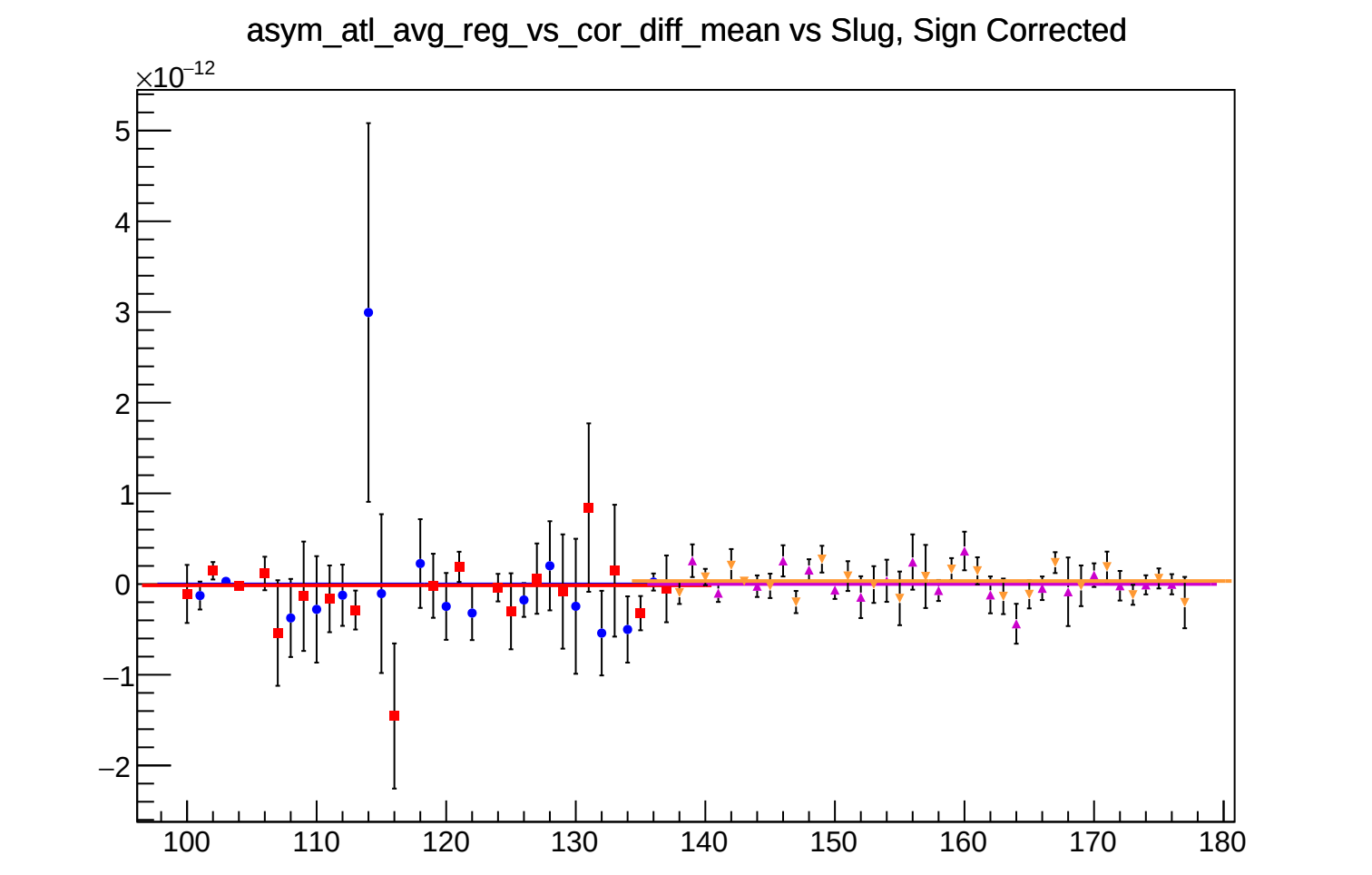
Left: 5214.199+/-0.664 χ^2/NDF: 2307980.8/39

Right: 3105.498+/-0.620 χ^2/NDF: 3768440.9/34

In: 4149.377+/-0.659 χ^2/NDF:5560736.7/34

Out: 4031.672+/-0.625 χ^2/NDF:5883216.5/39

All: 4087.438+/-0.453 χ^2/NDF: 11460762.5/7



Right In: -0.000+/-0.000 χ^2/NDF: 10.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.3/20

Right Out: -0.000+/-0.000 χ^2/NDF: 14.9/18

Left In: 0.000+/-0.000 χ^2/NDF:16.9/18

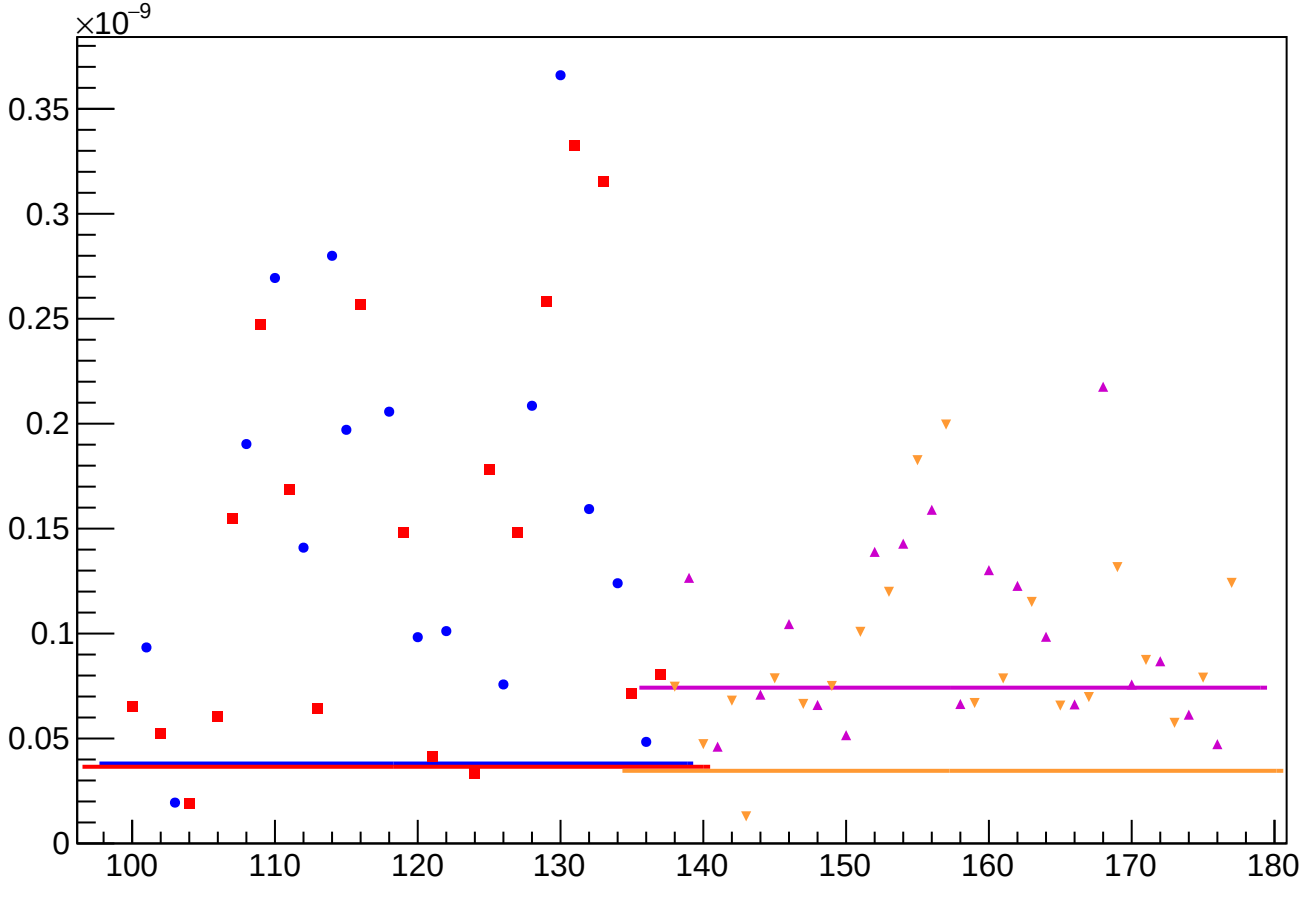
Left: 0.000+/-0.000 χ^2/NDF: 37.0/39

Right: -0.000+/-0.000 χ^2/NDF: 25.6/34

In: -0.000+/-0.000 χ^2/NDF:27.6/34

Out: 0.000+/-0.000 χ^2/NDF:35.8/39

All: 0.000+/-0.000 χ^2/NDF: 64.0/74



Right In: 0.000+/-0.000 χ^2/NDF: 2888502.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6275295.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2683451.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1741327.3/18

Left: 0.000+/-0.000 χ^2/NDF: 10220585.7/39

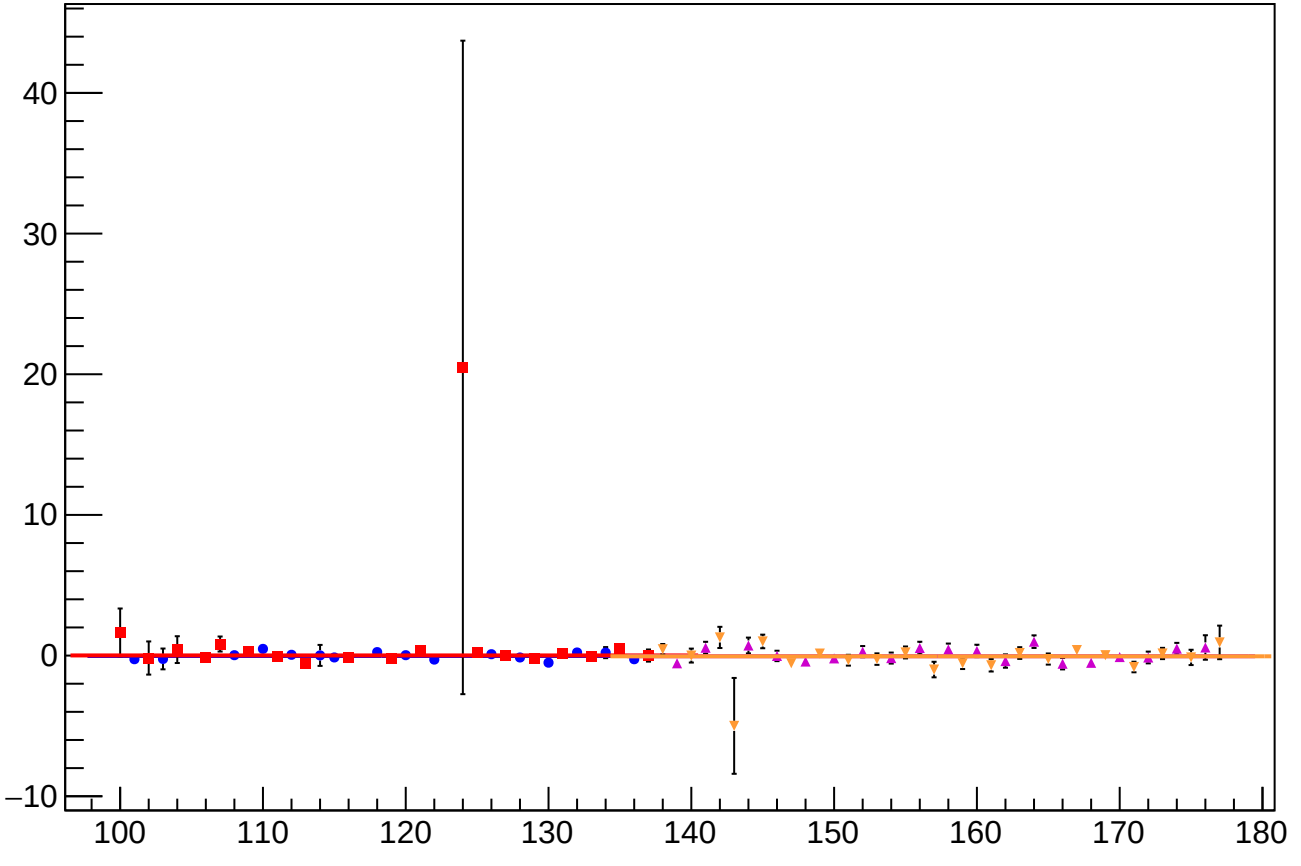
Right: 0.000+/-0.000 χ^2/NDF: 5574117.1/34

In: 0.000+/-0.000 χ^2/NDF:5806241.0/34

Out: 0.000+/-0.000 χ^2/NDF:8963983.5/39

All: 0.000+/-0.000 χ^2/NDF: 15924746.7/74

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: -0.051+/-0.086 χ^2/NDF:30.2/20

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.045+/-0.084 χ^2/NDF:26.3/18

Left: -0.048+/-0.060 χ^2/NDF: 56.5/39

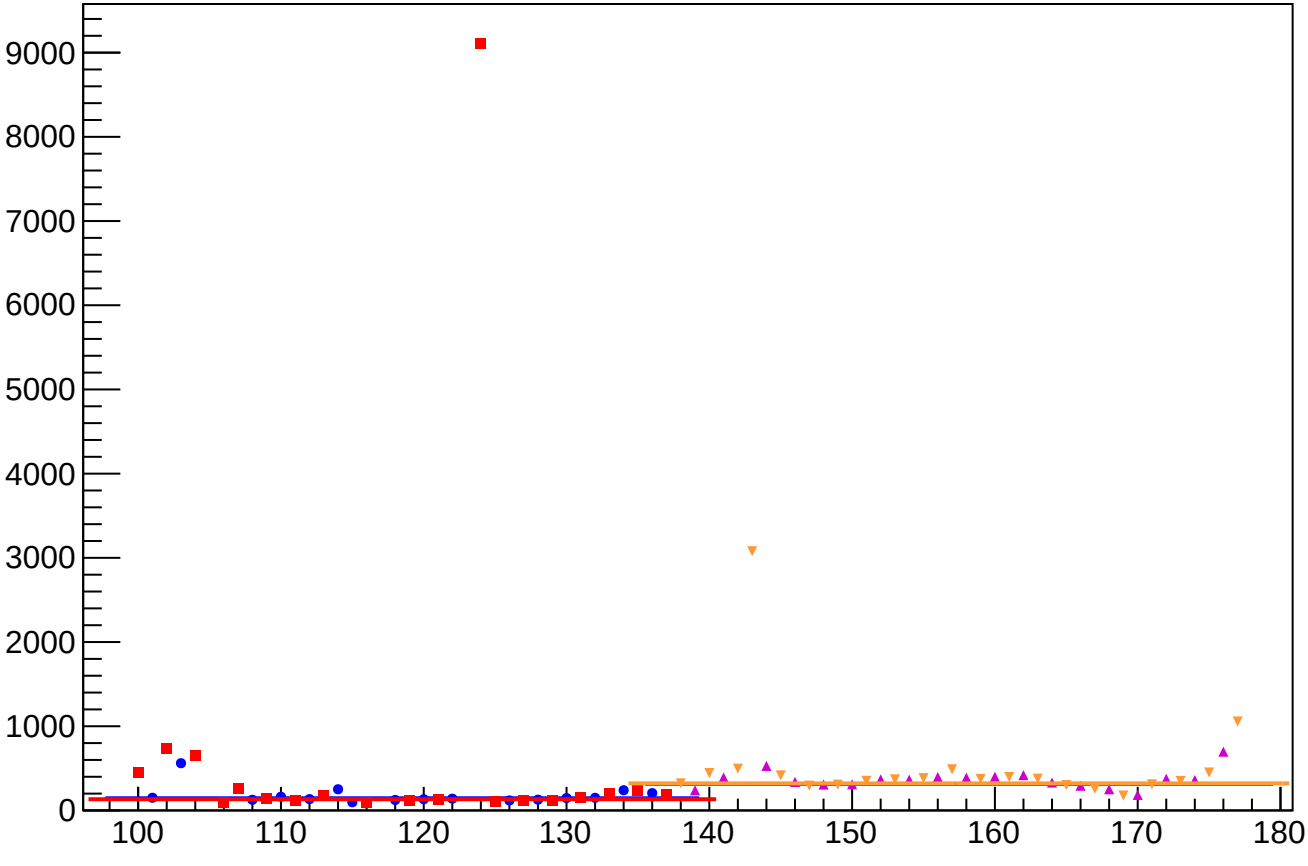
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.034+/-0.048 χ^2/NDF:43.5/34

Out: -0.008+/-0.047 χ^2/NDF:52.4/39

All: -0.021+/-0.034 χ^2/NDF: 96.1/74

asym_atl_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 321.516+/-0.061 χ^2/NDF:4065279.2/20

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 314.138+/-0.060 χ^2/NDF:2230879.0/18

Left: 317.745+/-0.043 χ^2/NDF: 6303663.0/39

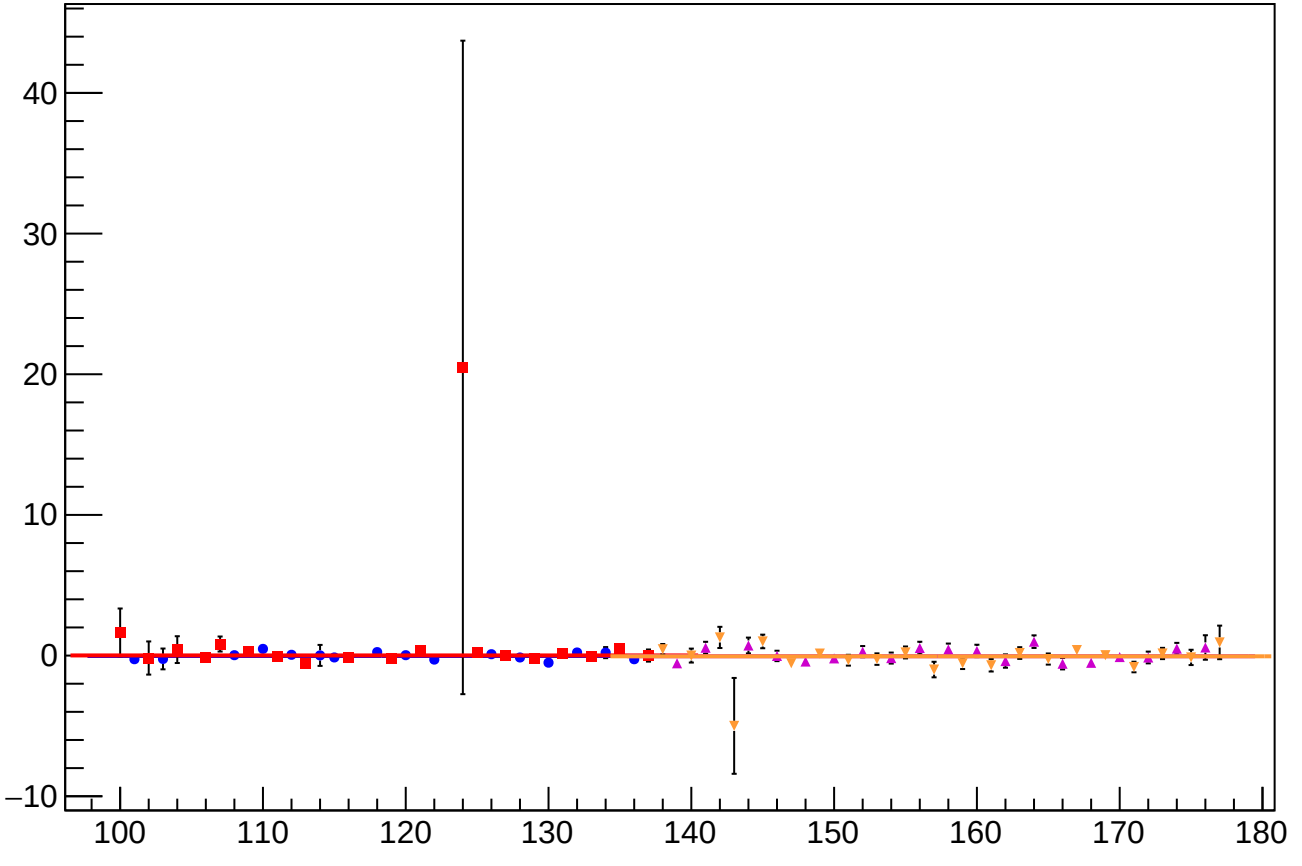
Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 198.709+/-0.034 χ^2/NDF:8887654.0/34

Out: 189.922+/-0.033 χ^2/NDF:12967148.6/39

All: 194.276+/-0.024 χ^2/NDF: 21889085.2/74

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: -0.051+/-0.086 χ^2/NDF:30.2/20

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.045+/-0.084 χ^2/NDF:26.3/18

Left: -0.048+/-0.060 χ^2/NDF: 56.5/39

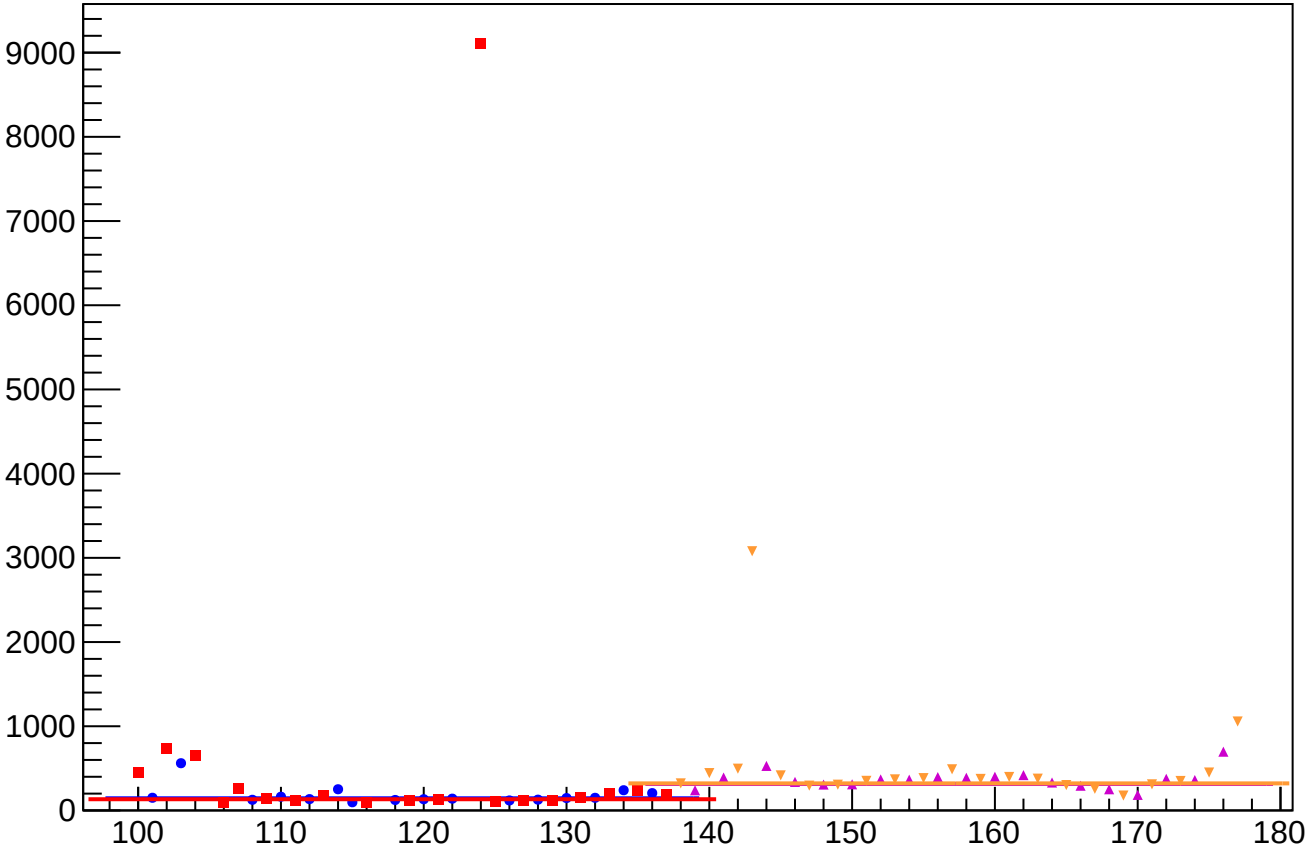
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.034+/-0.048 χ^2/NDF:43.5/34

Out: -0.008+/-0.047 χ^2/NDF:52.4/39

All: -0.021+/-0.034 χ^2/NDF: 96.1/74

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 321.516+/-0.061 χ^2/NDF:4065279.2/20

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 314.138+/-0.060 χ^2/NDF:2230879.0/18

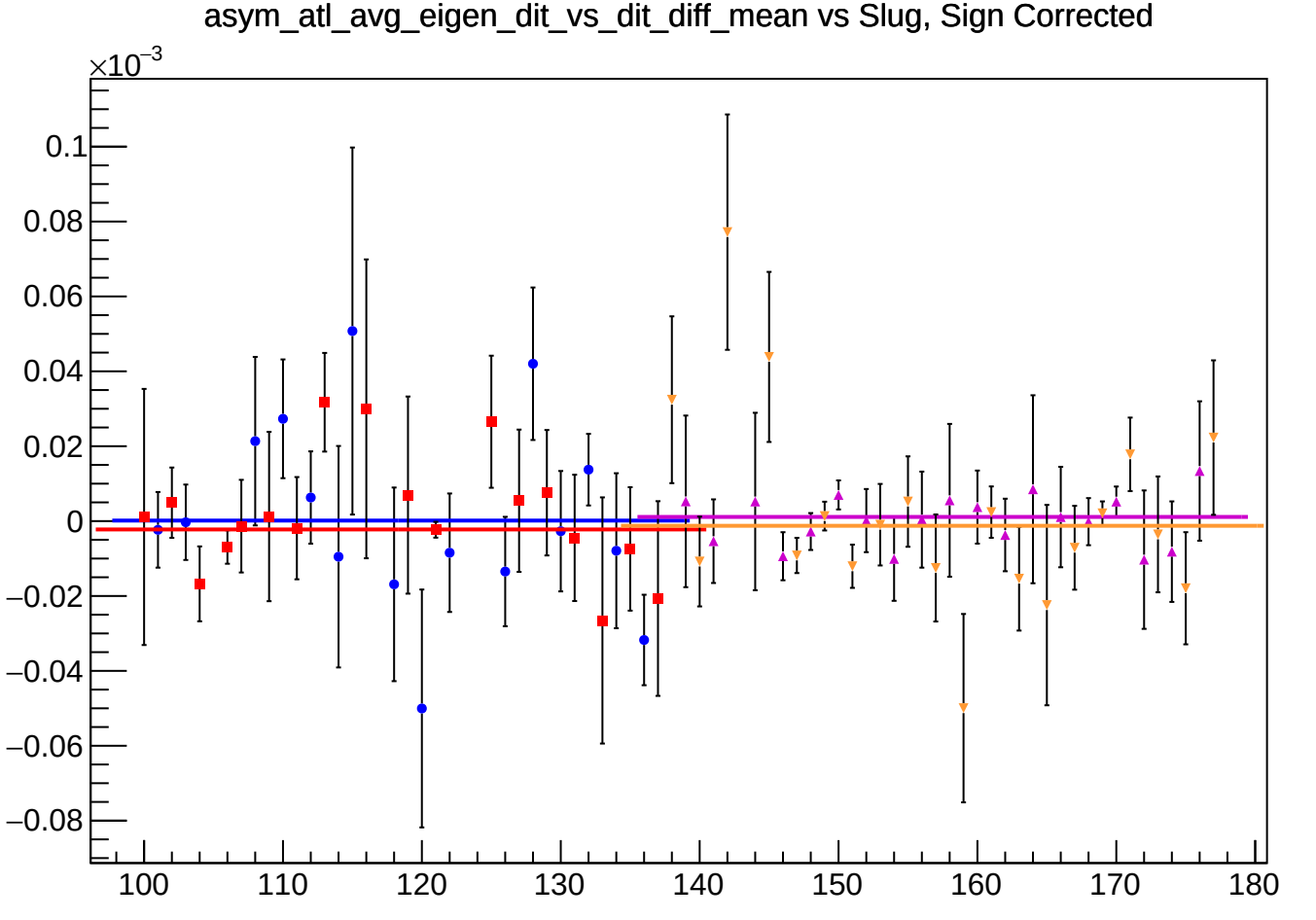
Left: 317.745+/-0.043 χ^2/NDF: 6303663.0/39

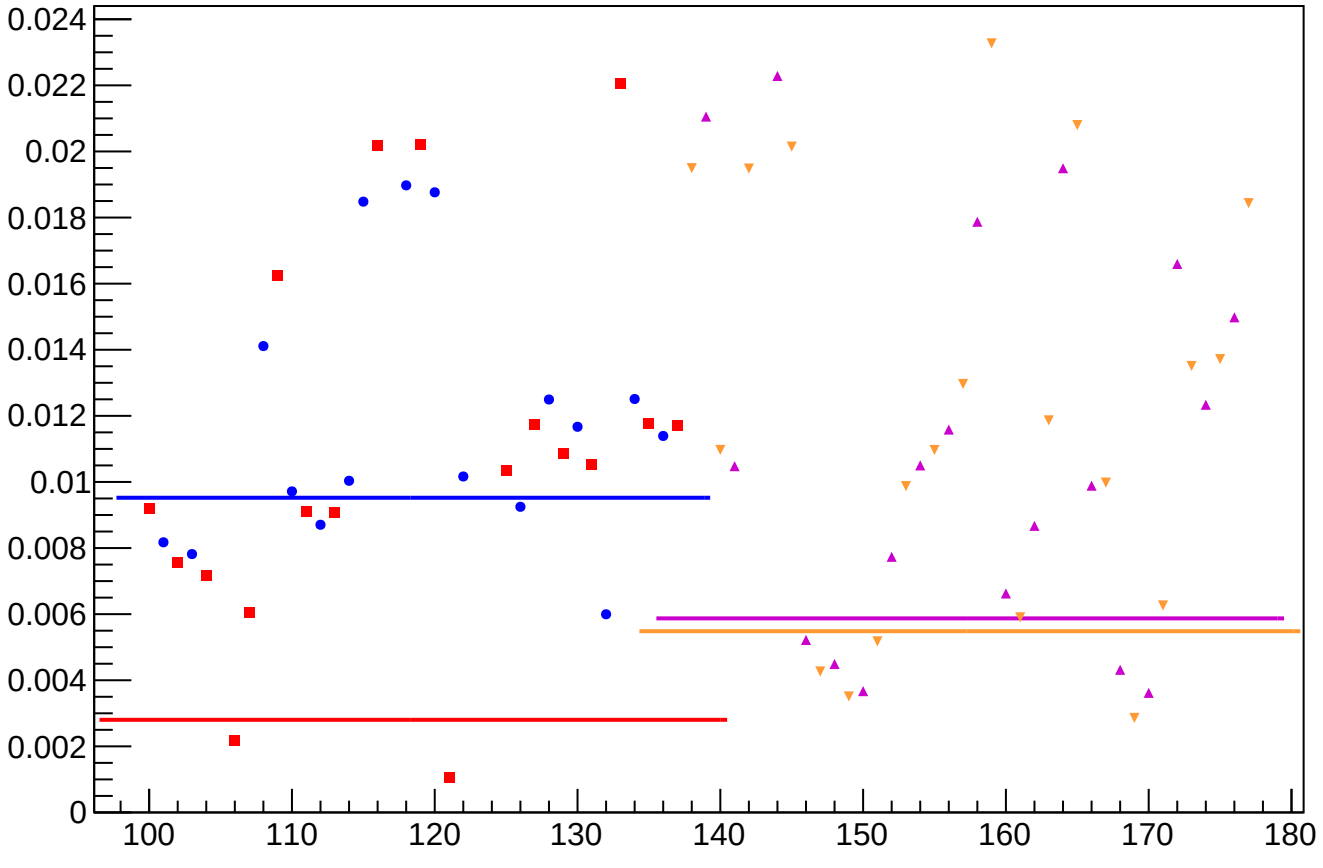
Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 198.709+/-0.034 χ^2/NDF:8887654.0/34

Out: 189.922+/-0.033 χ^2/NDF:12967148.6/39

All: 194.276+/-0.024 χ^2/NDF: 21889085.2/74


asym_atl_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 22.8/15
Left Out: -0.000+/-0.000 χ²/NDF:34.2/19
Right Out: -0.000+/-0.000 χ²/NDF: 15.6/17
Left In: 0.000+/-0.000 χ²/NDF:9.8/18
Left: -0.000+/-0.000 χ²/NDF: 44.9/38
Right: -0.000+/-0.000 χ²/NDF: 38.7/33
In: 0.000+/-0.000 χ²/NDF:32.7/34
Out: -0.000+/-0.000 χ²/NDF:49.9/37
All: -0.000+/-0.000 χ²/NDF: 84.3/72



Right In: 0.010+/-0.000 χ^2/NDF: 1132946.4/15

Left Out: 0.005+/-0.000 χ^2/NDF:10101292.7/19

Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

Left In: 0.006+/-0.000 χ^2/NDF:7837290.0/18

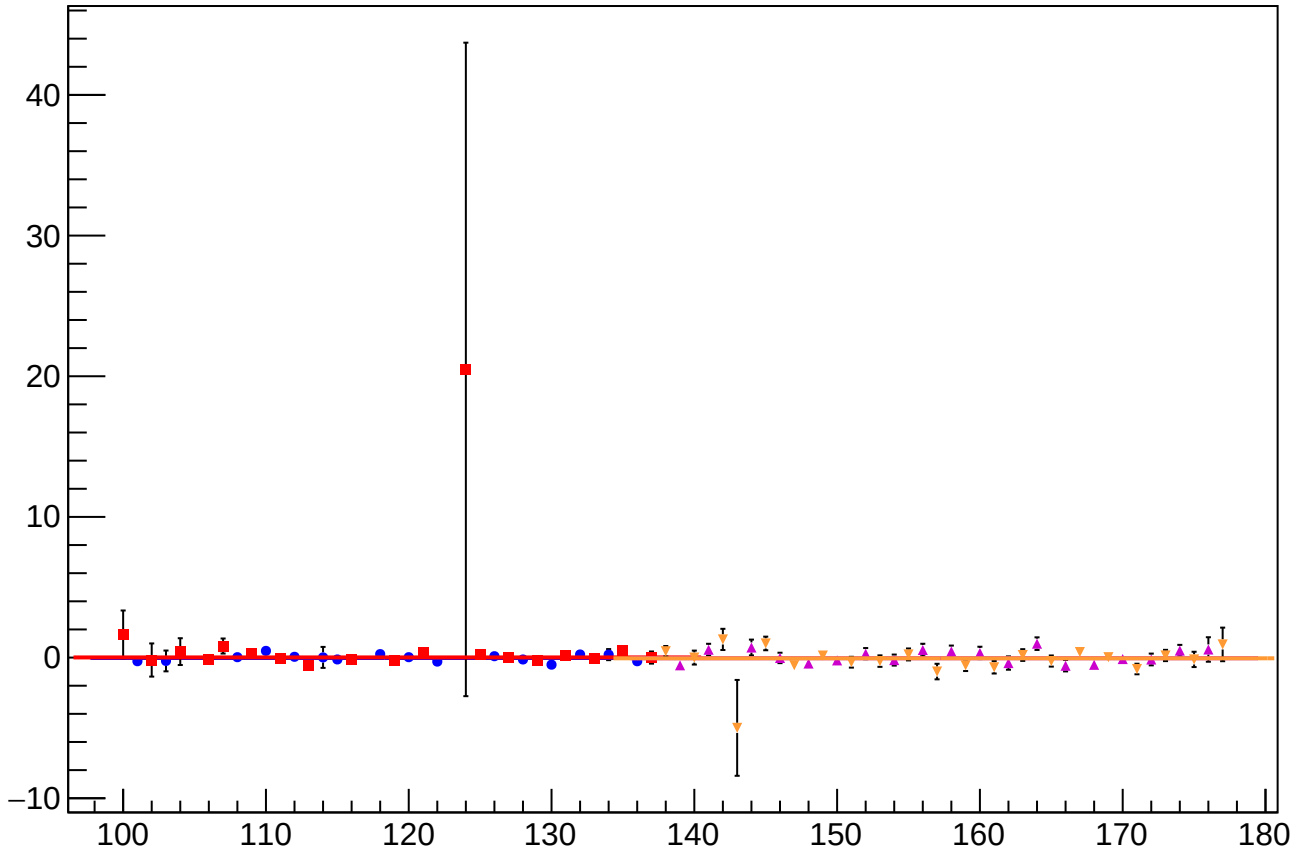
Left: 0.006+/-0.000 χ^2/NDF: 17986157.0/38

Right: 0.004+/-0.000 χ^2/NDF: 15020072.2/33

In: 0.007+/-0.000 χ^2/NDF:10506485.2/34

Out: 0.004+/-0.000 χ^2/NDF:21079095.6/37

All: 0.005+/-0.000 χ^2/NDF: 34434034.1/72



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.051+/-0.086 χ^2/NDF:30.2/20

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.045+/-0.084 χ^2/NDF:26.3/18

Left: -0.048+/-0.060 χ^2/NDF: 56.5/39

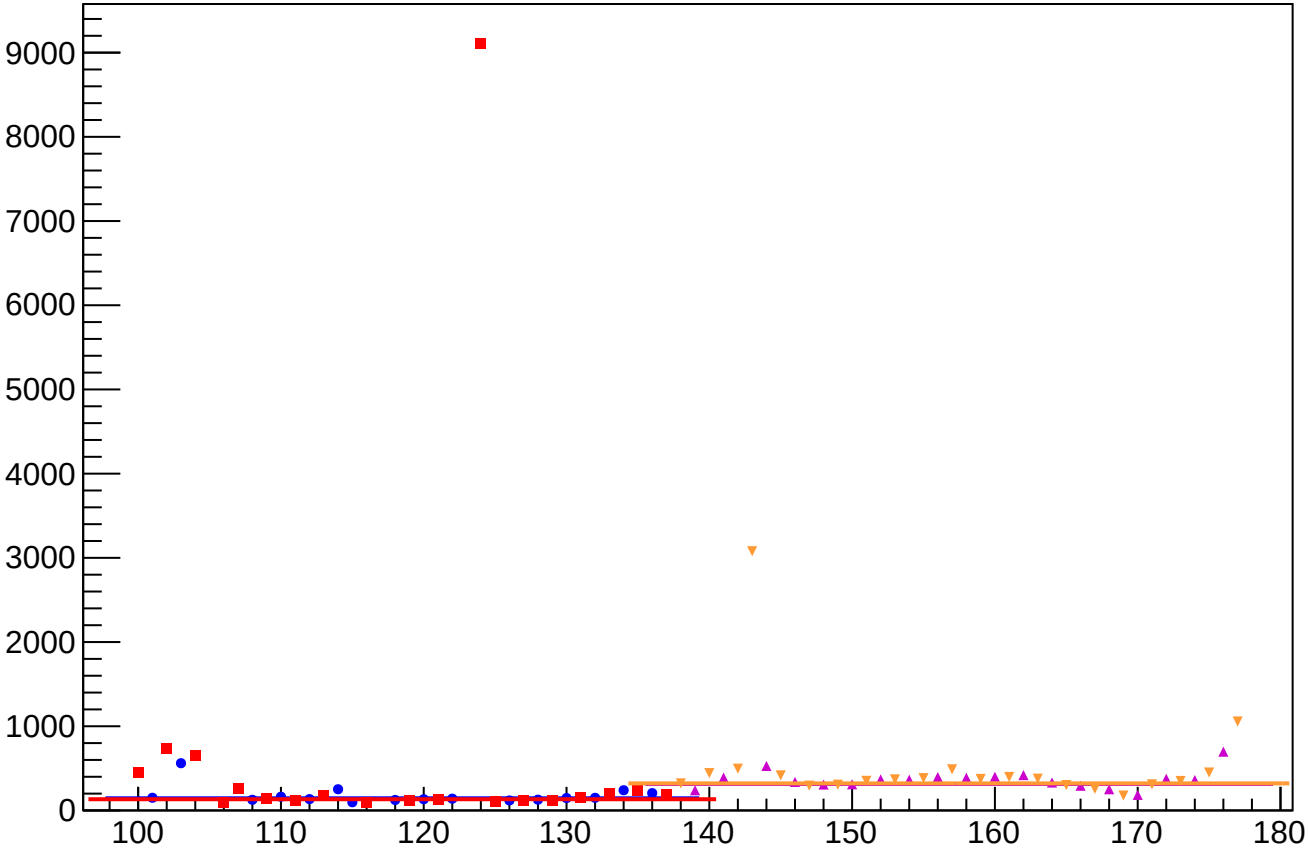
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.034+/-0.048 χ^2/NDF:43.5/34

Out: -0.008+/-0.047 χ^2/NDF:52.4/39

All: -0.021+/-0.034 χ^2/NDF: 96.1/74

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 321.518+/-0.061 χ^2/NDF:4065335.4/20

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 314.140+/-0.060 χ^2/NDF:2230878.0/18

Left: 317.747+/-0.043 χ^2/NDF: 6303716.4/39

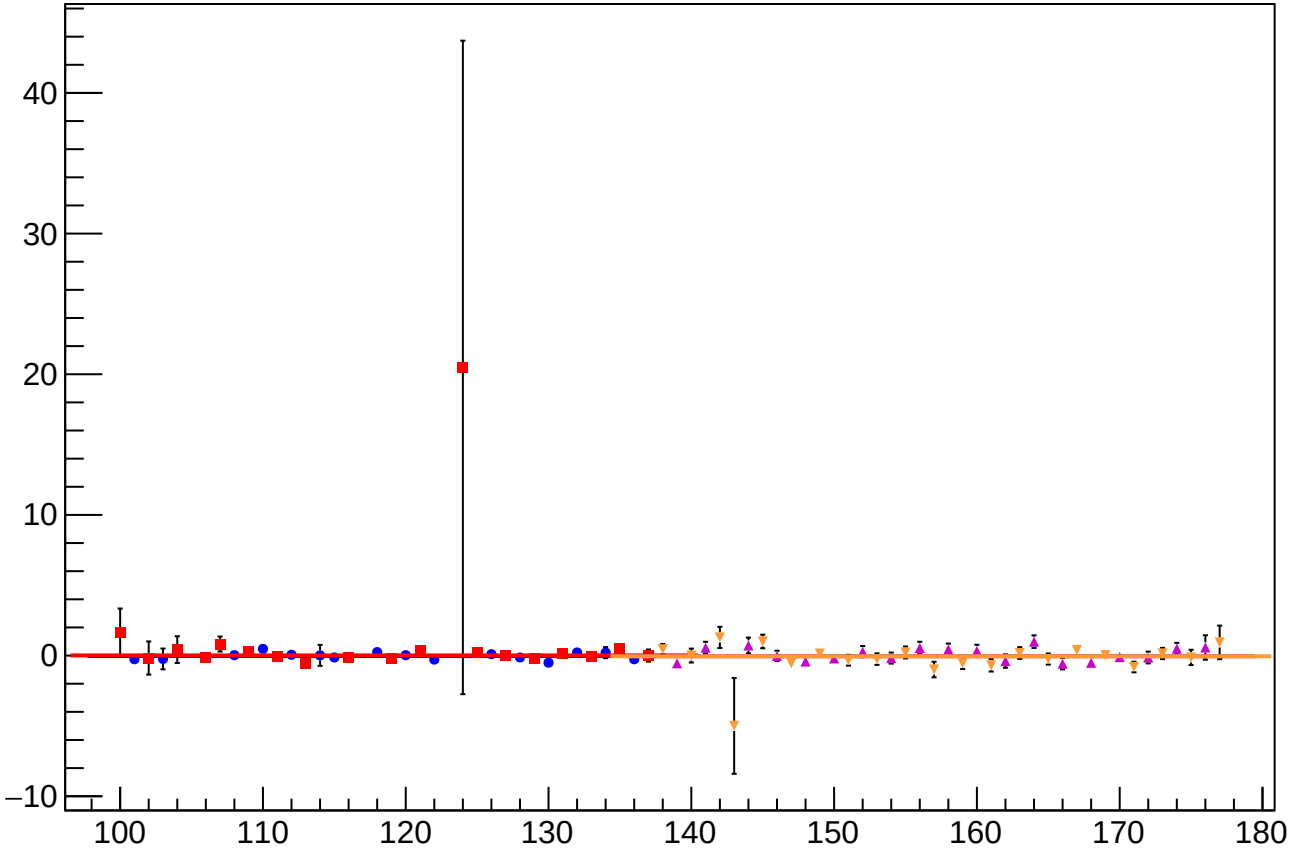
Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 198.708+/-0.034 χ^2/NDF:8887916.6/34

Out: 189.921+/-0.033 χ^2/NDF:12967311.1/39

All: 194.275+/-0.024 χ^2/NDF: 21889506.2/74

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: -0.051+/-0.086 χ^2/NDF:30.2/20

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.045+/-0.084 χ^2/NDF:26.3/18

Left: -0.048+/-0.060 χ^2/NDF: 56.5/39

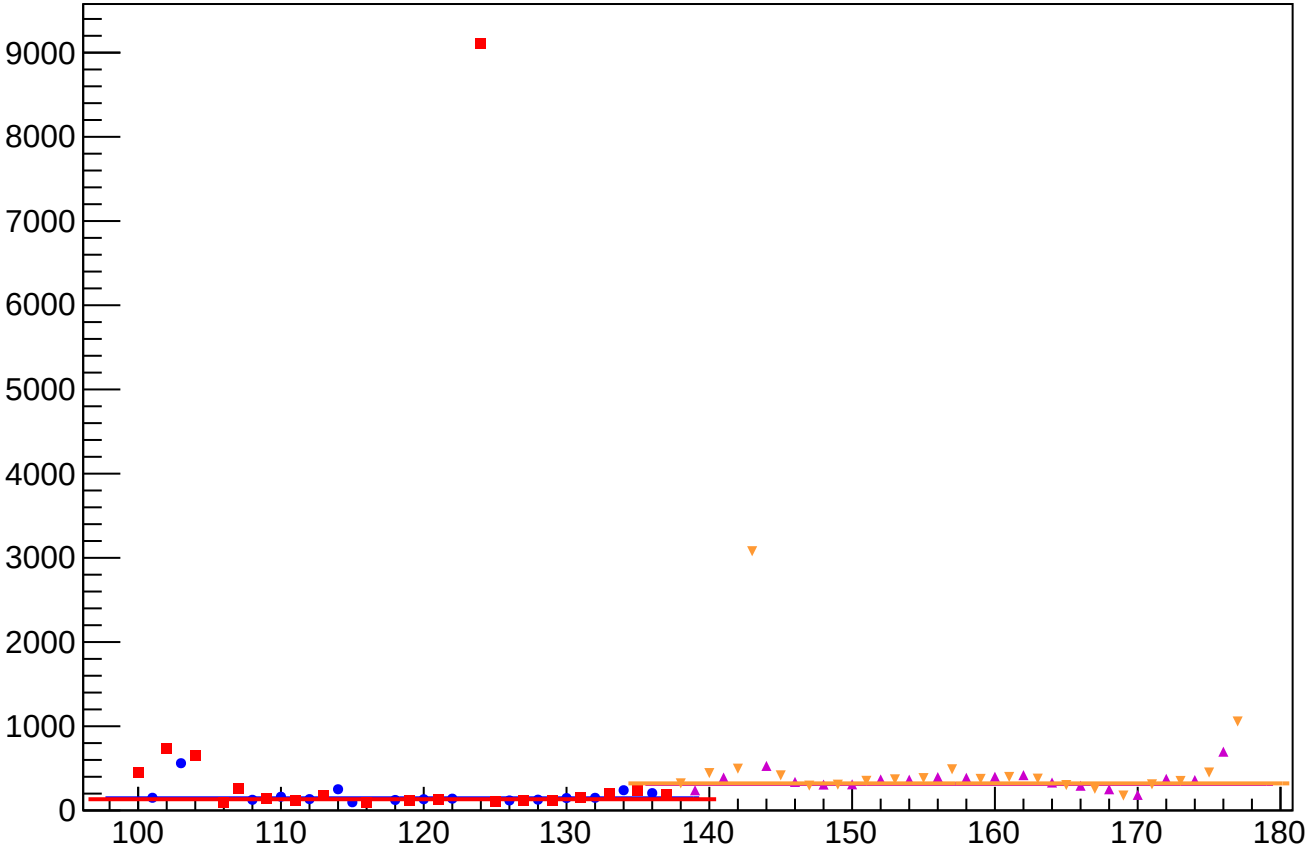
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.034+/-0.048 χ^2/NDF:43.5/34

Out: -0.008+/-0.047 χ^2/NDF:52.4/39

All: -0.021+/-0.034 χ^2/NDF: 96.1/74

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: 321.518+/-0.061 χ^2/NDF:4065335.4/20

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 314.140+/-0.060 χ^2/NDF:2230878.0/18

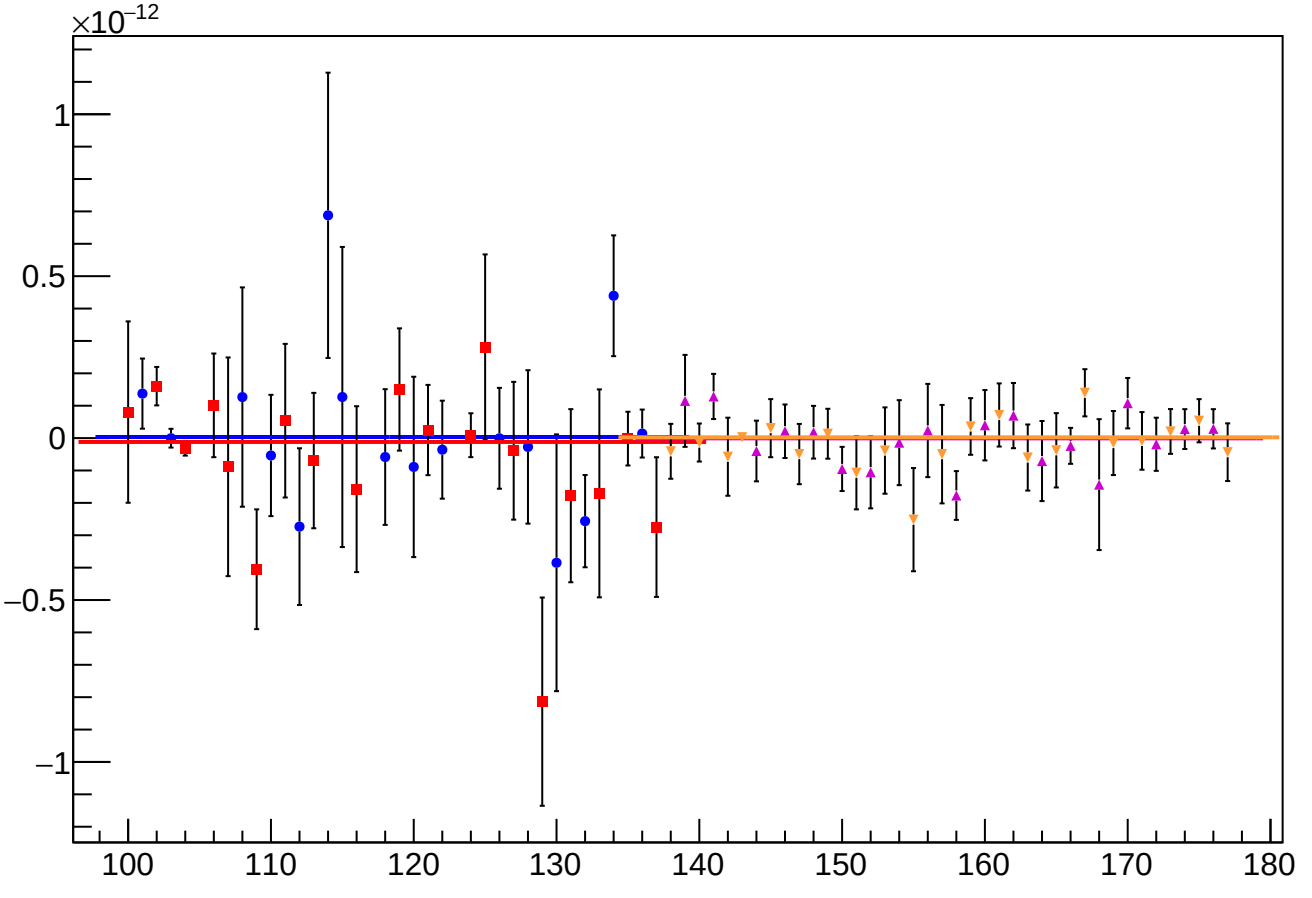
Left: 317.747+/-0.043 χ^2/NDF: 6303716.4/39

Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 198.708+/-0.034 χ^2/NDF:8887916.6/34

Out: 189.921+/-0.033 χ^2/NDF:12967311.1/39

All: 194.275+/-0.024 χ^2/NDF: 21889506.2/74



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

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

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:16.8/18

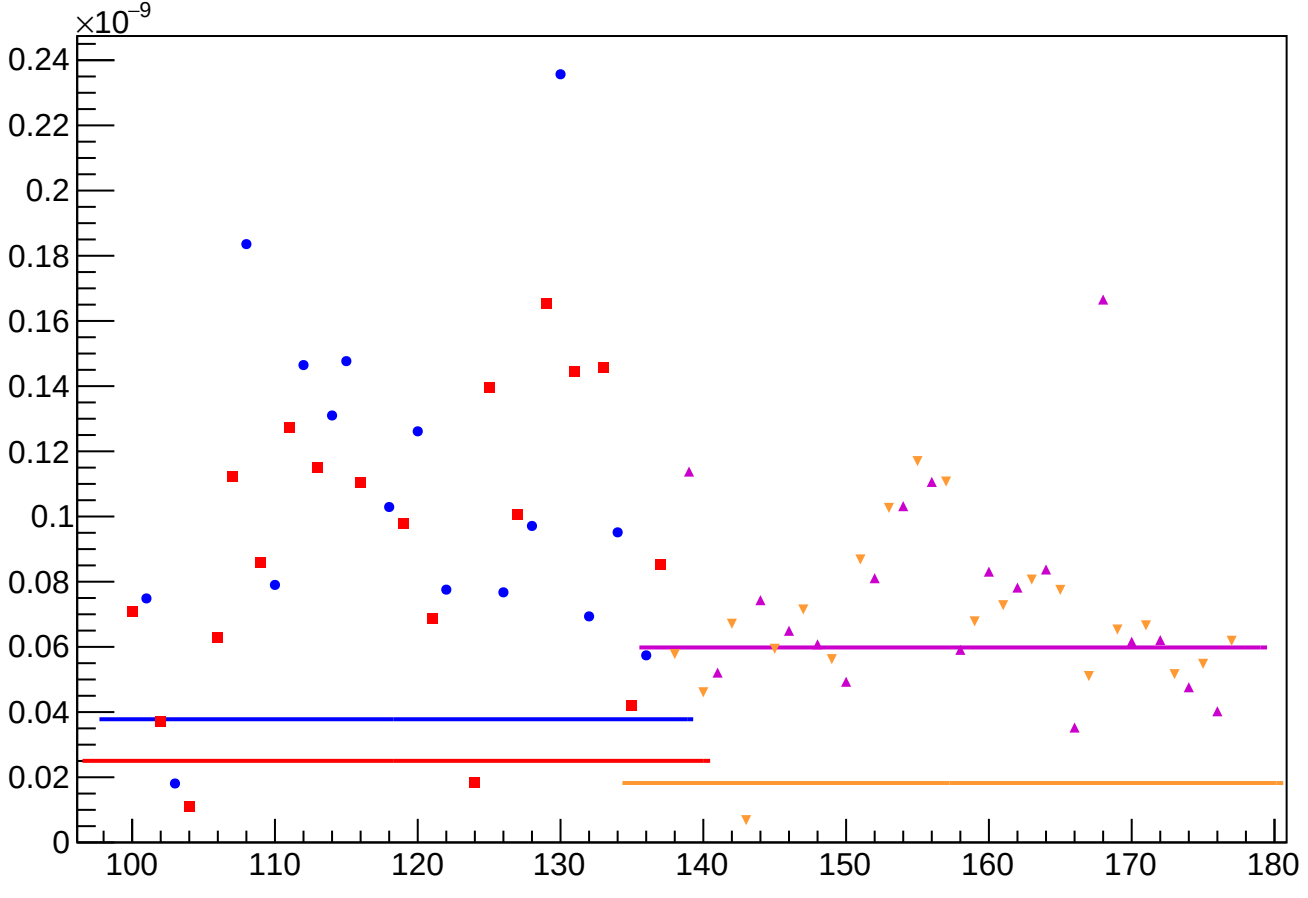
Left: 0.000+/-0.000 χ^2/NDF: 27.2/39

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: 0.000+/-0.000 χ^2/NDF:32.4/34

Out: -0.000+/-0.000 χ^2/NDF:36.0/39

All: -0.000+/-0.000 χ^2/NDF: 68.4/74



Right In: 0.000+/-0.000 χ^2/NDF: 3942675.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:13948234.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

Left In: 0.000+/-0.000 χ^2/NDF:2428815.6/18

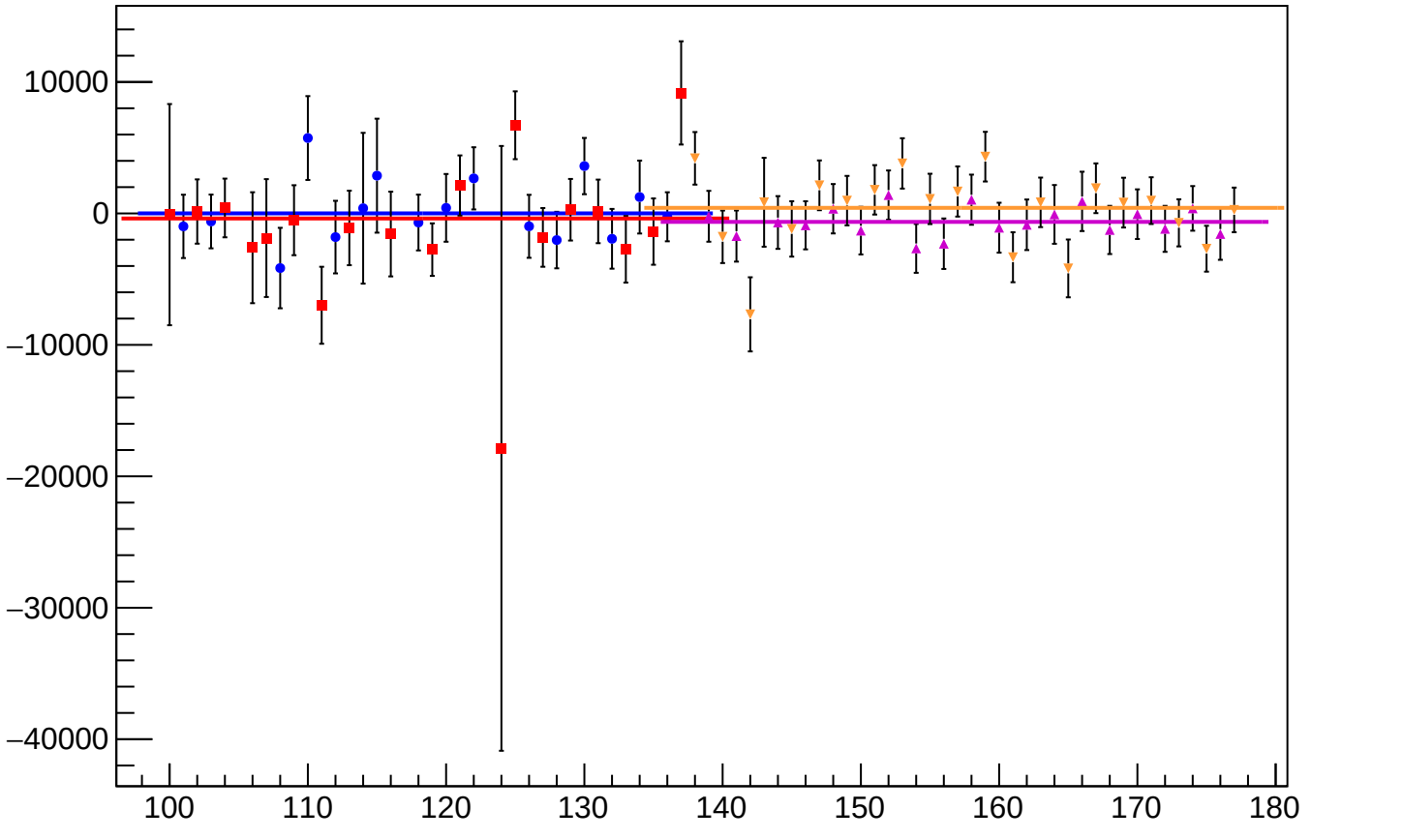
Left: 0.000+/-0.000 χ^2/NDF: 24028617.7/39

Right: 0.000+/-0.000 χ^2/NDF: 8999957.7/34

In: 0.000+/-0.000 χ^2/NDF:7399521.0/34

Out: 0.000+/-0.000 χ^2/NDF:18867773.0/39

All: 0.000+/-0.000 χ^2/NDF: 33153215.3/74



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

Left Out: 423.992+/-425.986 χ^2/NDF:35.7/20

Right Out: -384.758+/-633.682 χ^2/NDF: 24.1/18

Left In: -643.909+/-436.732 χ^2/NDF:6.2/18

Left: -96.658+/-304.946 χ^2/NDF: 44.9/39

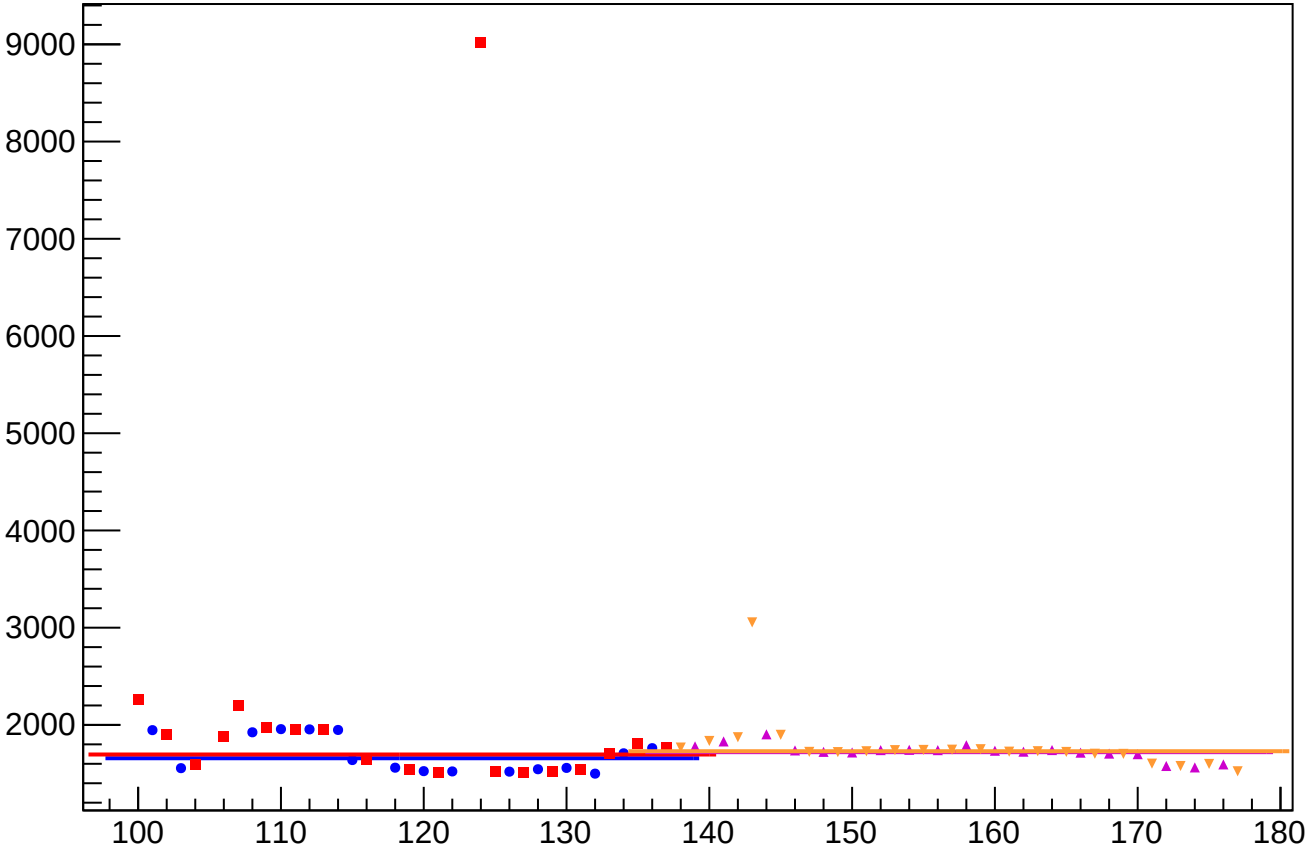
Right: -185.916+/-443.130 χ^2/NDF: 36.7/34

In: -428.872+/-357.026 χ^2/NDF:19.4/34

Out: 172.269+/-353.530 χ^2/NDF:60.8/39

All: -125.344+/-251.210 χ^2/NDF: 81.6/74

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1729.310+/-0.301 χ^2/NDF:398658.4/20

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

Left In: 1719.684+/-0.309 χ^2/NDF:68044.1/18

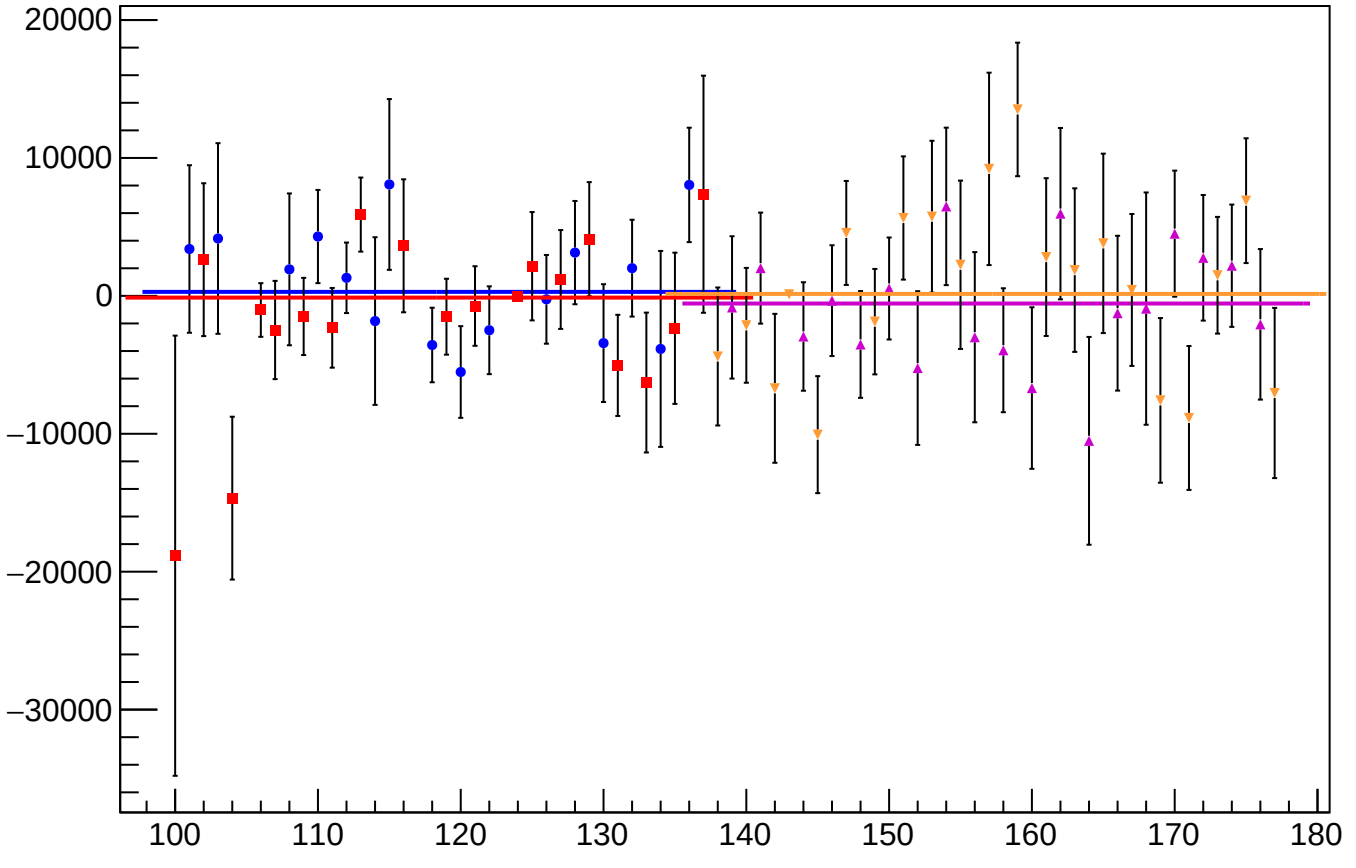
Left: 1724.617+/-0.216 χ^2/NDF: 467200.5/39

Right: 1676.049+/-0.313 χ^2/NDF: 533994.7/34

In: 1698.931+/-0.252 χ^2/NDF:225641.5/34

Out: 1718.766+/-0.250 χ^2/NDF:788786.3/39

All: 1708.961+/-0.178 χ^2/NDF: 1017549.2/74



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: 141.141+/-346.003 χ^2/NDF:31.1/20

Right Out: -125.586+/-323.715 χ^2/NDF: 20.8/18

Left In: -555.157+/-1115.647 χ^2/NDF:10.6/18

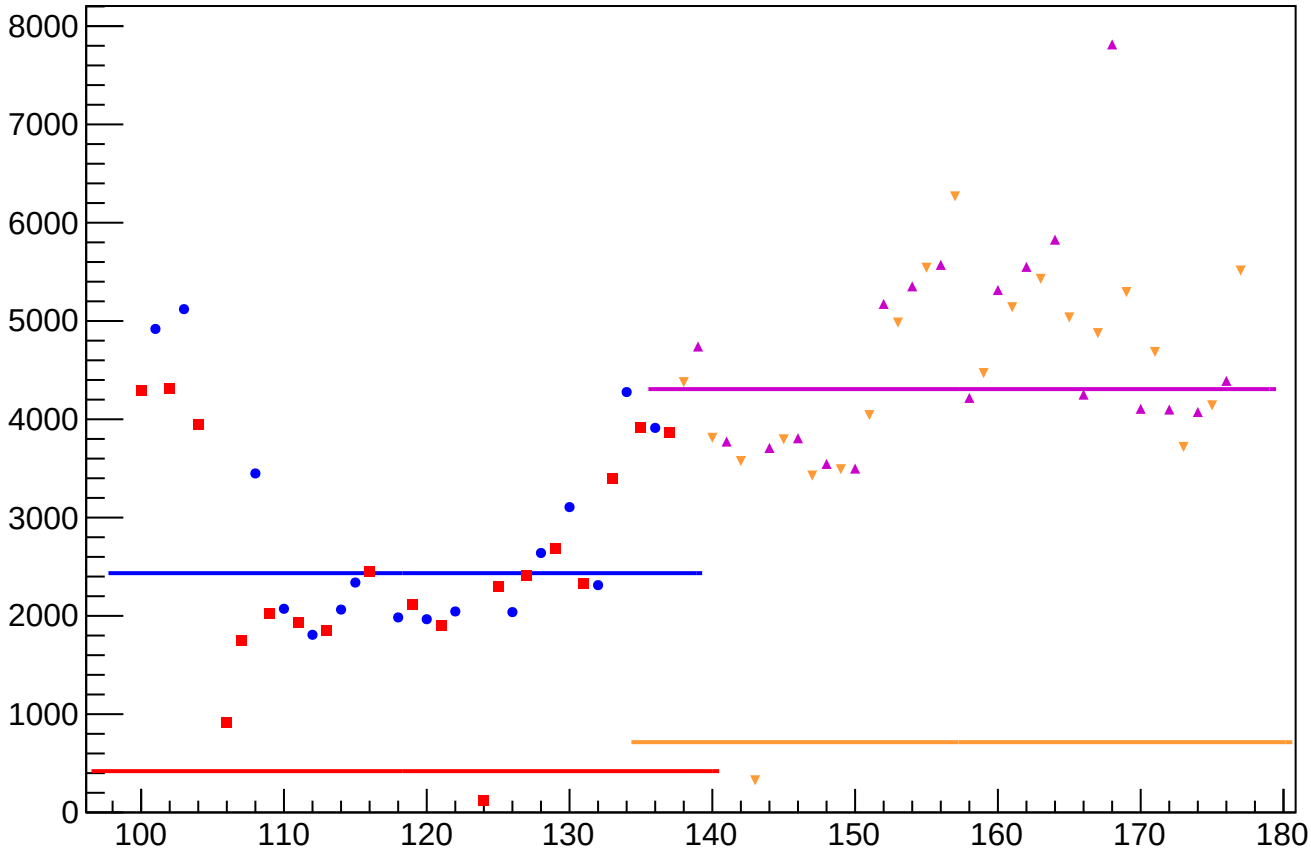
Left: 80.045+/-330.475 χ^2/NDF: 42.1/39

Right: -83.316+/-306.780 χ^2/NDF: 36.2/34

In: -70.441+/-728.149 χ^2/NDF:26.1/34

Out: -1.089+/-236.388 χ^2/NDF:52.3/39

All: -7.701+/-224.836 χ^2/NDF: 78.4/74



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 715.120+/-0.245 χ^2/NDF:24374860.3/20

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

Left In: 4307.065+/-0.789 χ^2/NDF:1081489.5/18

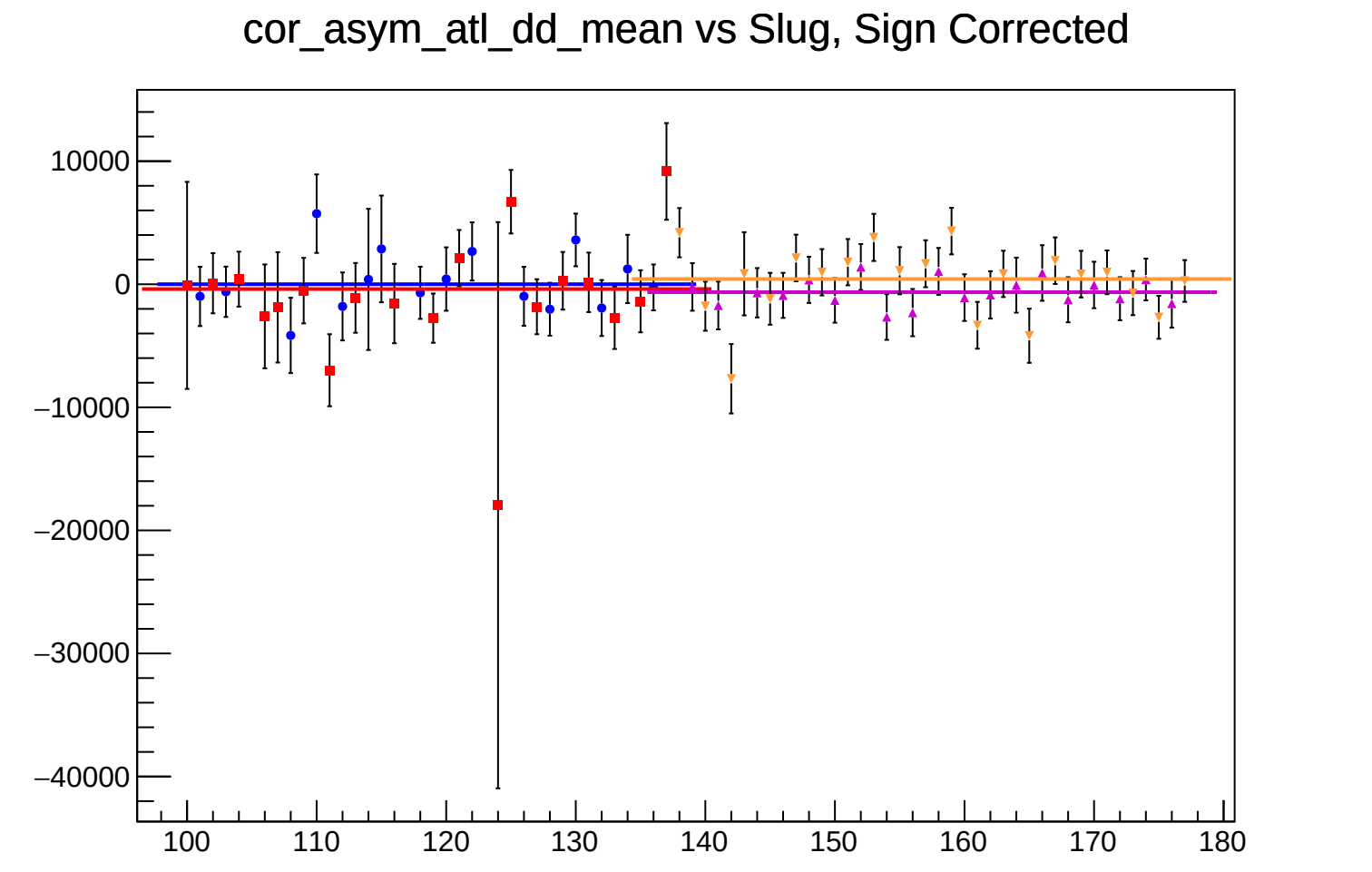
Left: 1030.295+/-0.234 χ^2/NDF: 44368979.3/39

Right: 625.534+/-0.217 χ^2/NDF: 20412045.5/34

In: 3232.223+/-0.515 χ^2/NDF:5773181.6/34

Out: 557.905+/-0.167 χ^2/NDF:36213177.4/39

All: 812.886+/-0.159 χ^2/NDF: 66392531.8/74



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 423.973+/-425.986 χ^2/NDF:35.7/20

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -643.893+/-436.732 χ^2/NDF:6.2/18

Left: -96.660+/-304.946 χ^2/NDF: 44.9/39

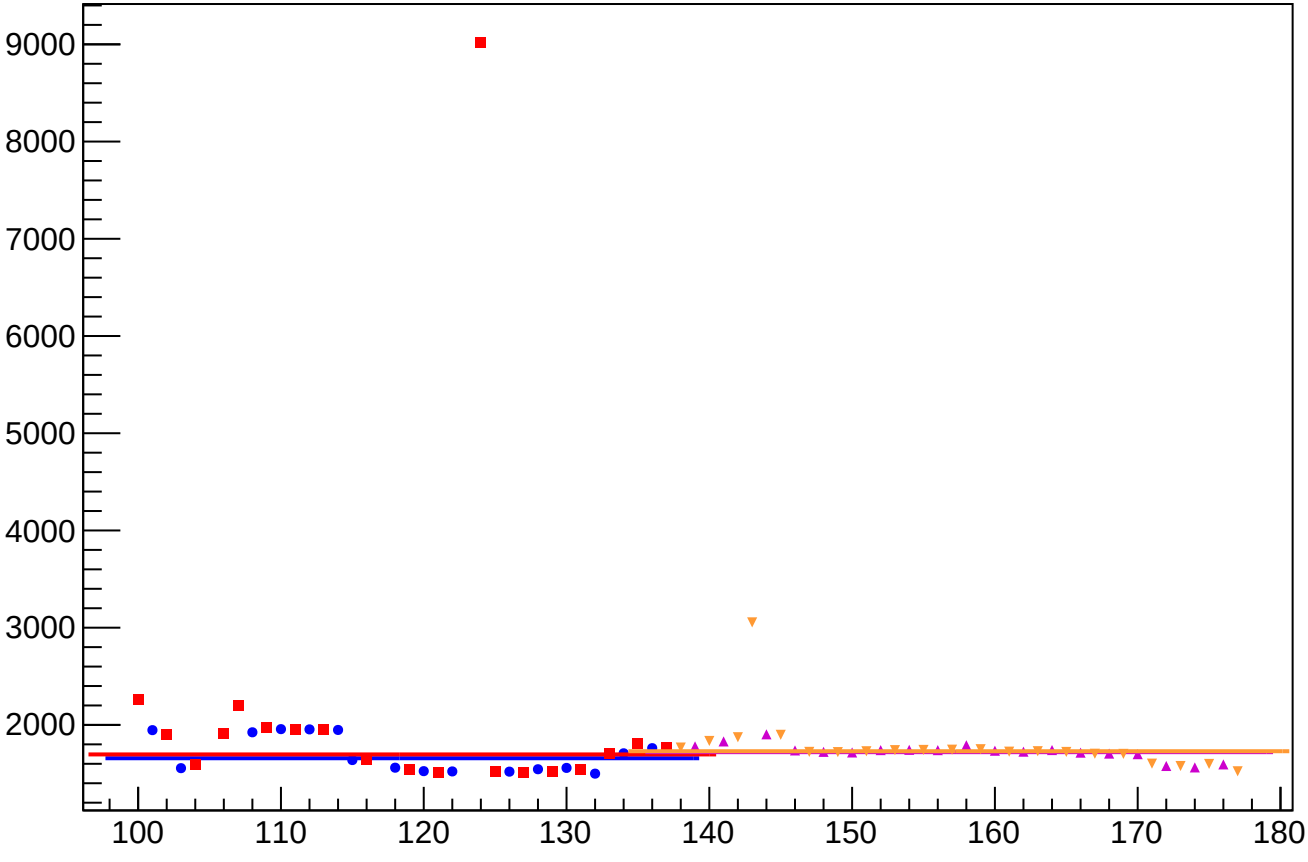
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -428.887+/-357.026 χ^2/NDF:19.4/34

Out: 170.921+/-353.531 χ^2/NDF:60.8/39

All: -126.032+/-251.211 χ^2/NDF: 81.6/74

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1729.310+/-0.301 χ^2/NDF:398658.4/20

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1719.684+/-0.309 χ^2/NDF:68044.1/18

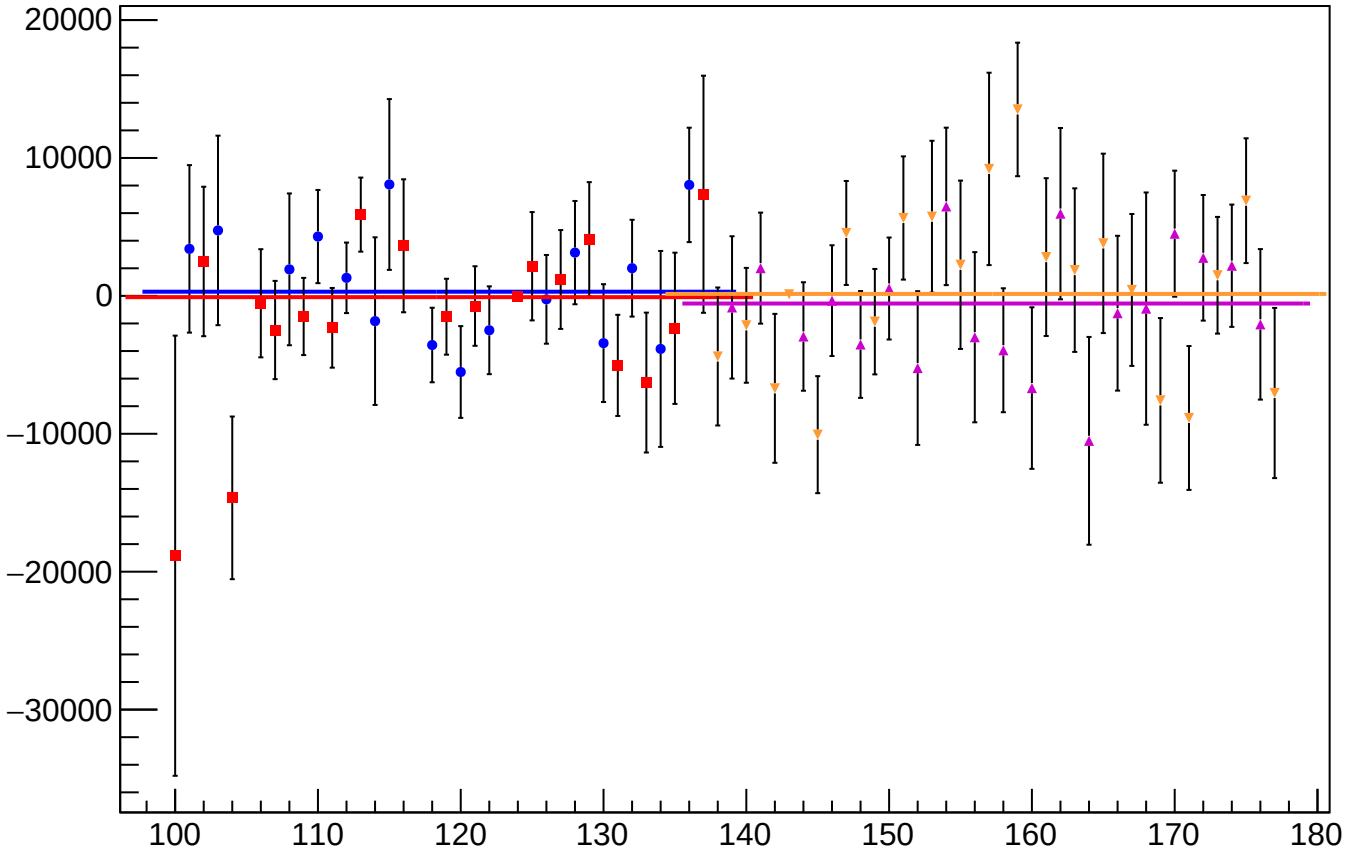
Left: 1724.617+/-0.216 χ^2/NDF: 467200.5/39

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1698.931+/-0.252 χ^2/NDF:225641.6/34

Out: 1719.022+/-0.250 χ^2/NDF:790359.9/39

All: 1709.088+/-0.178 χ^2/NDF: 1019203.2/74



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 141.565+/-345.978 χ^2/NDF:31.1/20

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -555.186+/-1115.646 χ^2/NDF:10.6/18

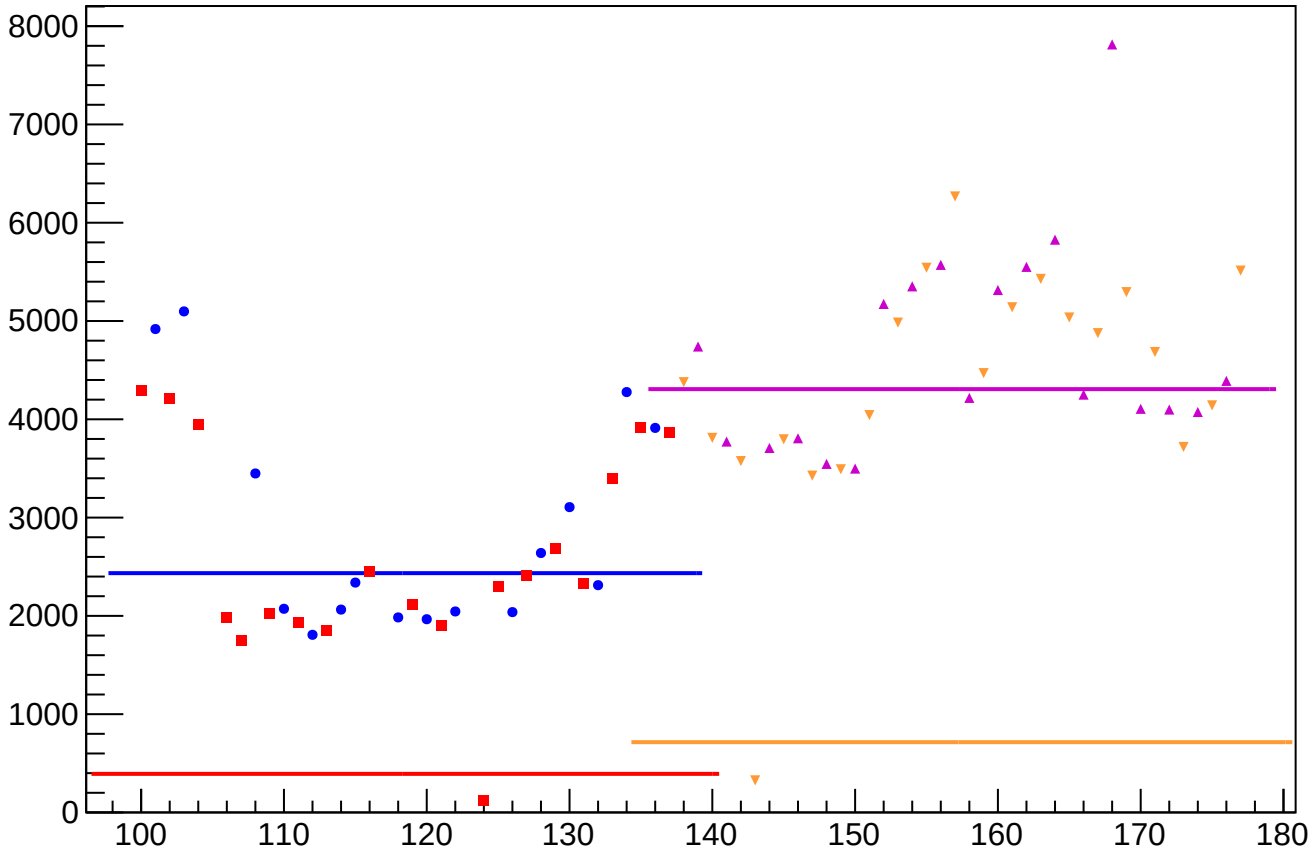
Left: 80.436+/-330.453 χ^2/NDF: 42.1/39

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: -63.183+/-728.097 χ^2/NDF:26.3/34

Out: 14.005+/-233.228 χ^2/NDF:52.0/39

All: 6.822+/-222.111 χ^2/NDF: 78.3/74



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 715.039+/-0.245 χ^2/NDF:24375552.2/20

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 4307.060+/-0.789 χ^2/NDF:1081481.0/18

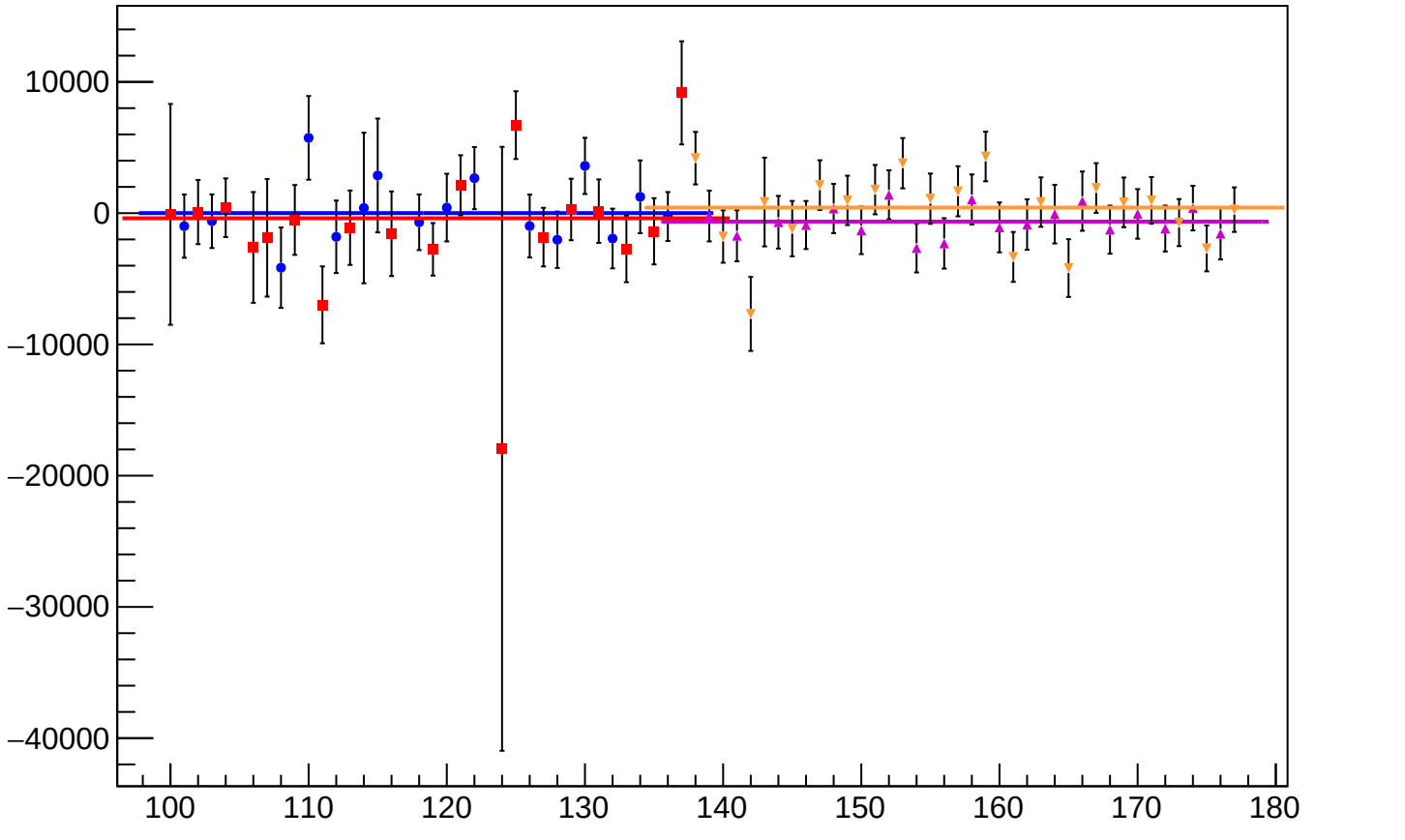
Left: 1030.180+/-0.234 χ^2/NDF: 44370752.3/39

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 3232.204+/-0.515 χ^2/NDF:5771236.2/34

Out: 539.160+/-0.165 χ^2/NDF:36730893.7/39

All: 789.774+/-0.157 χ^2/NDF: 67317326.2/74



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 423.973+/-425.986 χ^2/NDF:35.7/20

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -643.893+/-436.732 χ^2/NDF:6.2/18

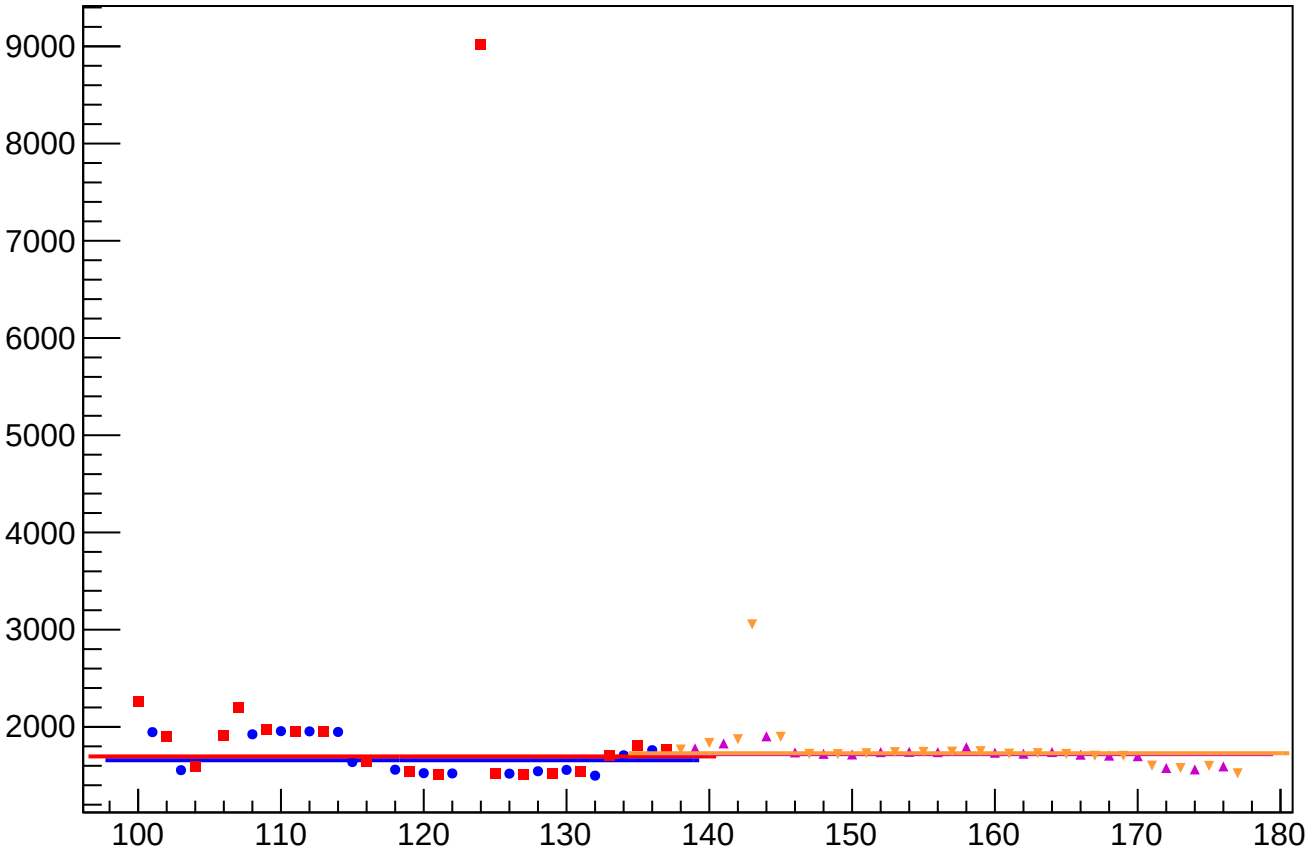
Left: -96.660+/-304.946 χ^2/NDF: 44.9/39

Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -428.887+/-357.026 χ^2/NDF:19.4/34

Out: 170.921+/-353.531 χ^2/NDF:60.8/39

All: -126.032+/-251.211 χ^2/NDF: 81.6/74



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1729.310+/-0.301 χ^2/NDF:398658.4/20

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1719.684+/-0.309 χ^2/NDF:68044.1/18

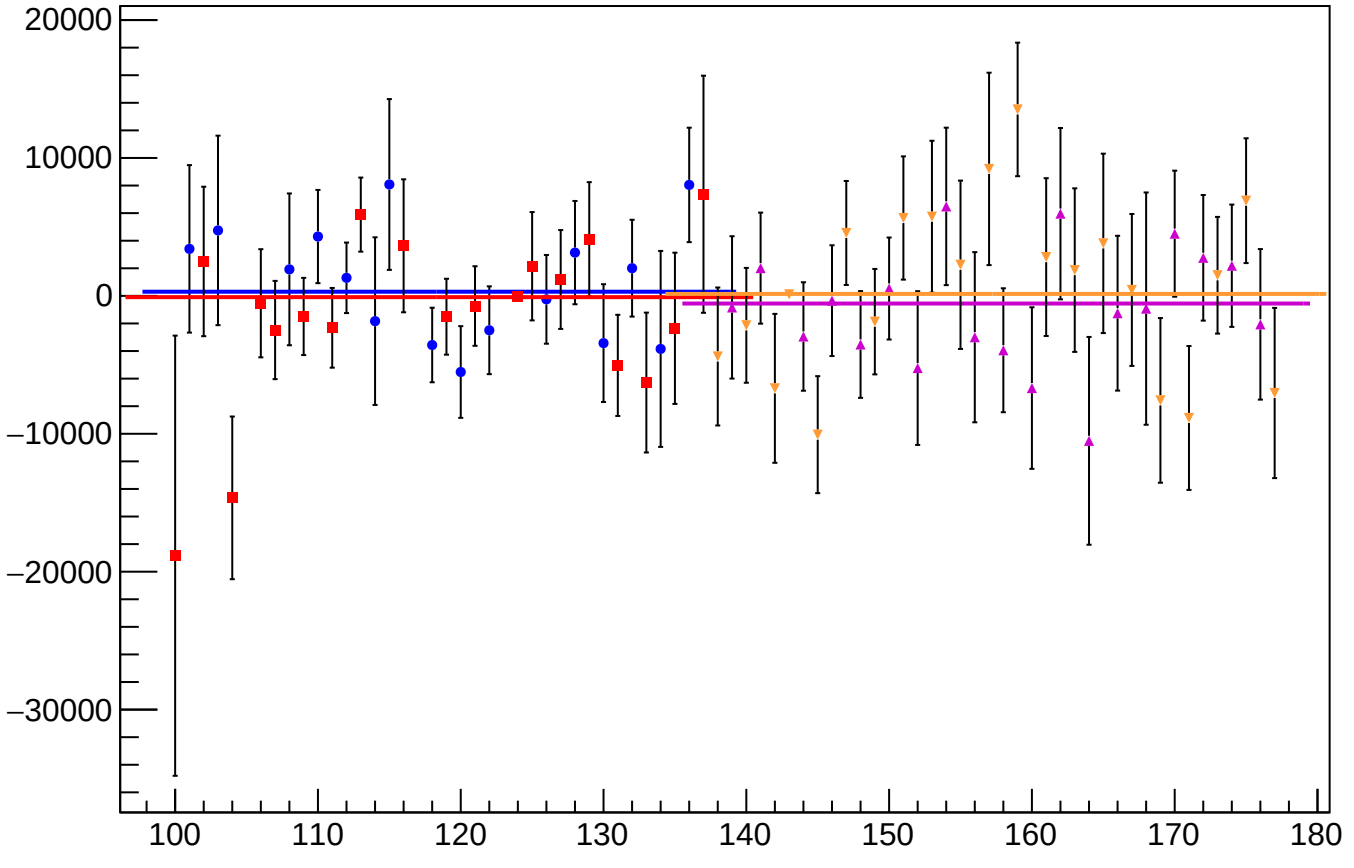
Left: 1724.617+/-0.216 χ^2/NDF: 467200.5/39

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1698.931+/-0.252 χ^2/NDF:225641.6/34

Out: 1719.022+/-0.250 χ^2/NDF:790359.9/39

All: 1709.088+/-0.178 χ^2/NDF: 1019203.2/74



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 141.565+/-345.978 χ^2/NDF:31.1/20

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -555.186+/-1115.646 χ^2/NDF:10.6/18

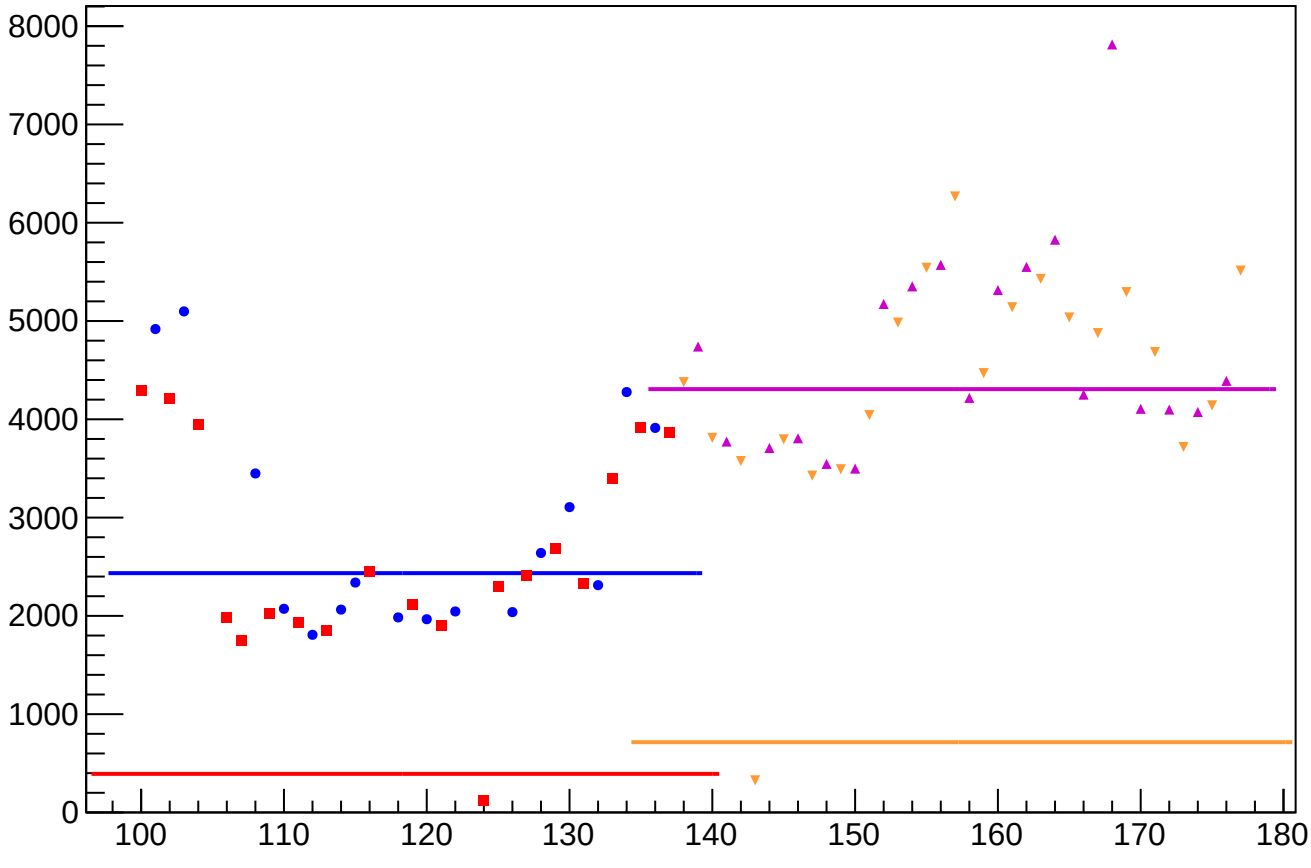
Left: 80.436+/-330.453 χ^2/NDF: 42.1/39

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: -63.183+/-728.097 χ^2/NDF:26.3/34

Out: 14.005+/-233.228 χ^2/NDF:52.0/39

All: 6.822+/-222.111 χ^2/NDF: 78.3/74



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 715.039+/-0.245 χ^2/NDF:24375552.2/20

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 4307.060+/-0.789 χ^2/NDF:1081481.0/18

Left: 1030.180+/-0.234 χ^2/NDF: 44370752.3/39

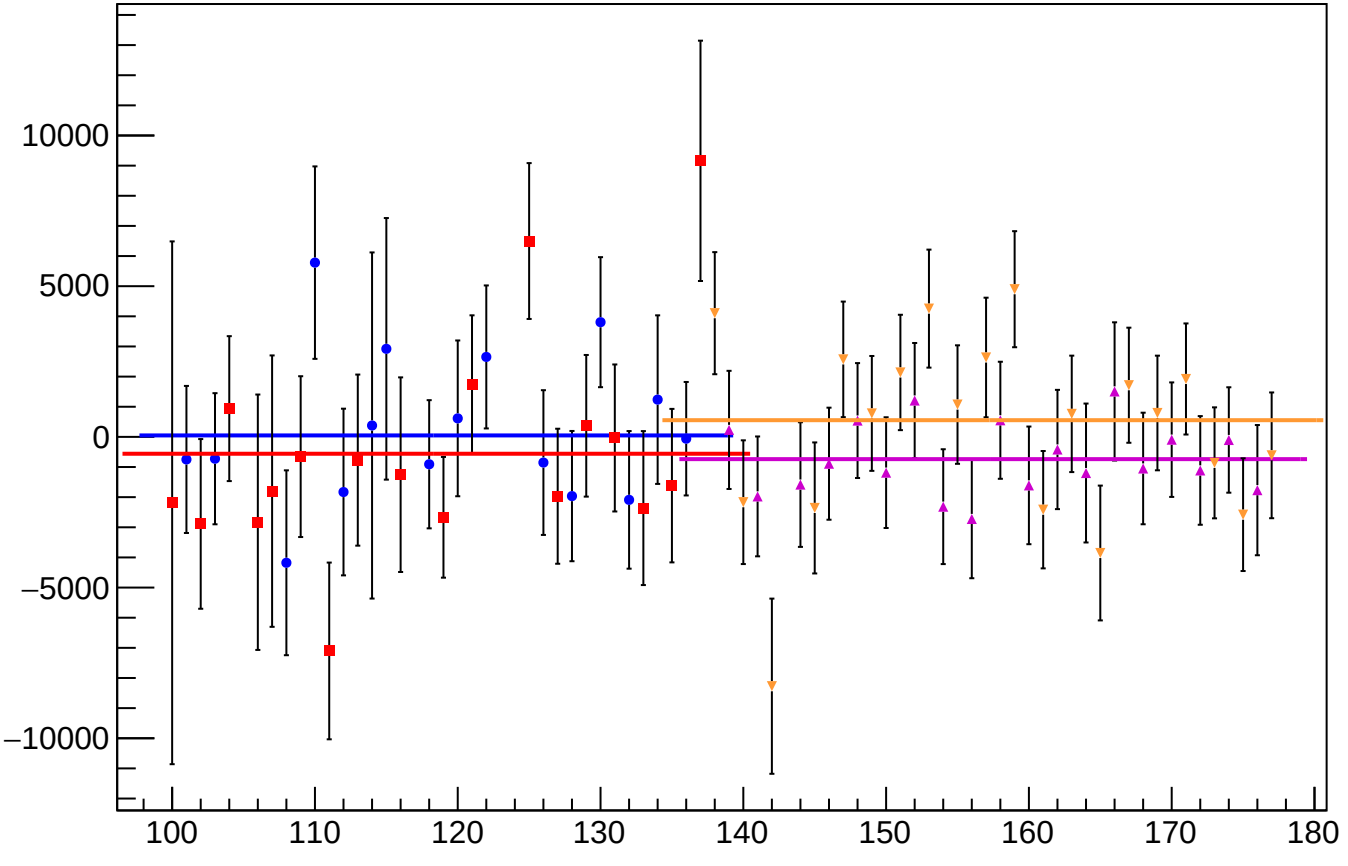
Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 3232.204+/-0.515 χ^2/NDF:5771236.2/34

Out: 539.160+/-0.165 χ^2/NDF:36730893.7/39

All: 789.774+/-0.157 χ^2/NDF: 67317326.2/74

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 48.331+/-626.151 χ^2/NDF: 12.8/15

Left Out: 553.885+/-444.456 χ^2/NDF:38.4/19

Right Out: -559.598+/-645.291 χ^2/NDF: 23.3/17

Left In: -738.272+/-447.397 χ^2/NDF:6.3/18

Left: -87.933+/-315.313 χ^2/NDF: 48.8/38

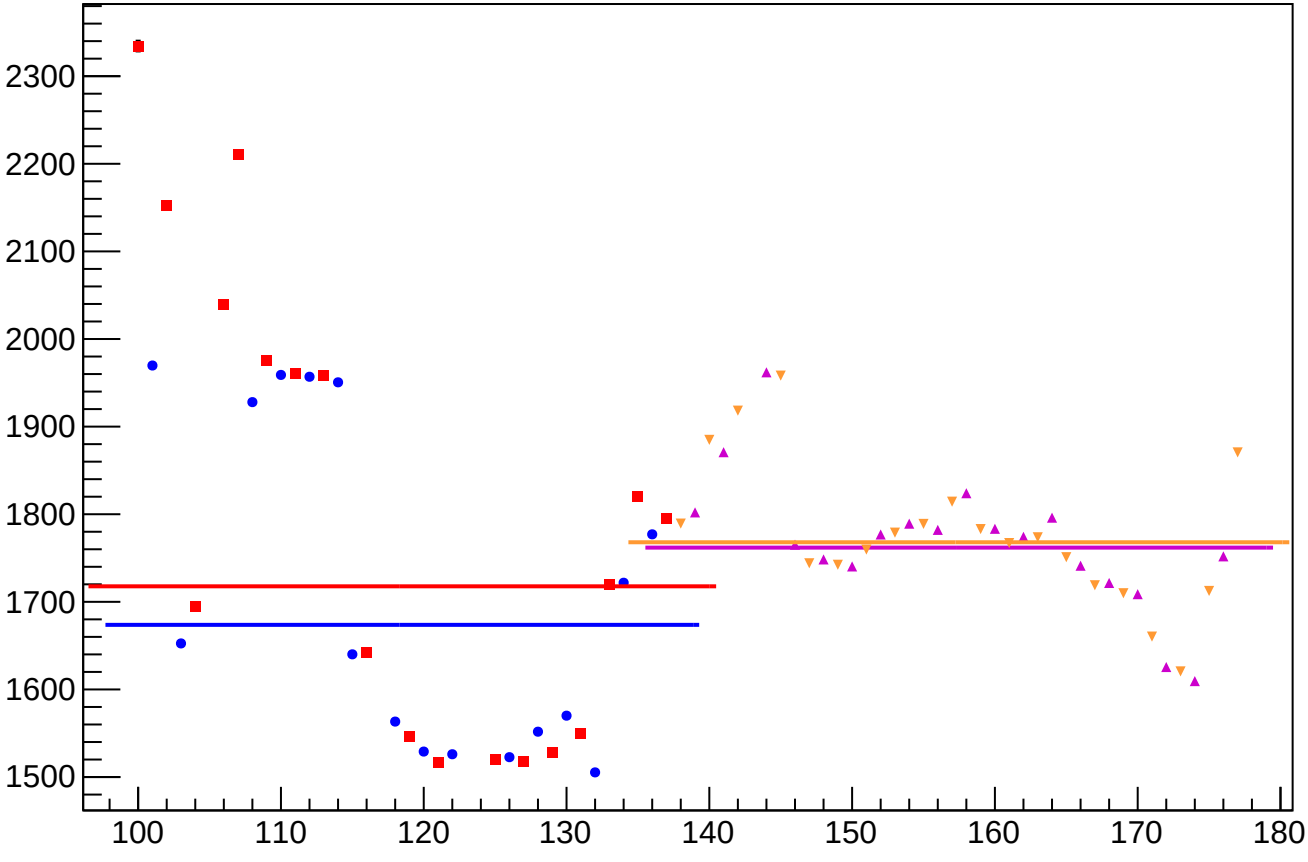
Right: -246.484+/-449.370 χ^2/NDF: 36.5/33

In: -472.412+/-364.022 χ^2/NDF:20.1/34

Out: 195.612+/-366.034 χ^2/NDF:63.7/37

All: -140.241+/-258.111 χ^2/NDF: 85.5/72

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1768.004+/-0.314 χ^2/NDF:59147.9/19

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

Left In: 1761.889+/-0.316 χ^2/NDF:58838.1/18

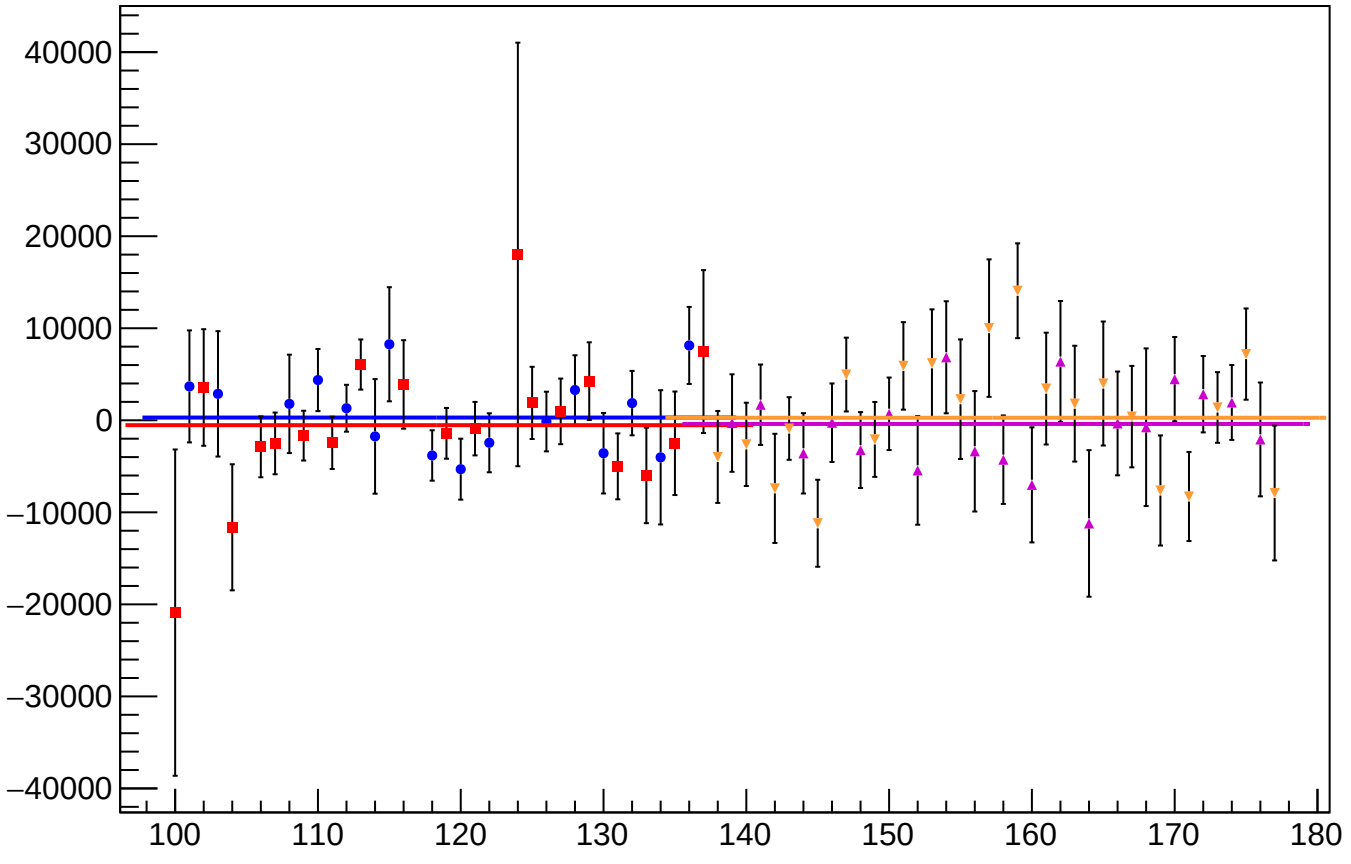
Left: 1764.967+/-0.223 χ^2/NDF: 118174.0/38

Right: 1695.110+/-0.317 χ^2/NDF: 373312.6/33

In: 1732.092+/-0.257 χ^2/NDF:225958.7/34

Out: 1751.772+/-0.259 χ^2/NDF:295054.8/37

All: 1741.885+/-0.182 χ^2/NDF: 523922.2/72



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: 274.698+/-1098.333 χ^2/NDF:30.7/20

Right Out: -531.007+/-883.969 χ^2/NDF: 18.8/18

Left In: -397.931+/-1160.224 χ^2/NDF:10.5/18

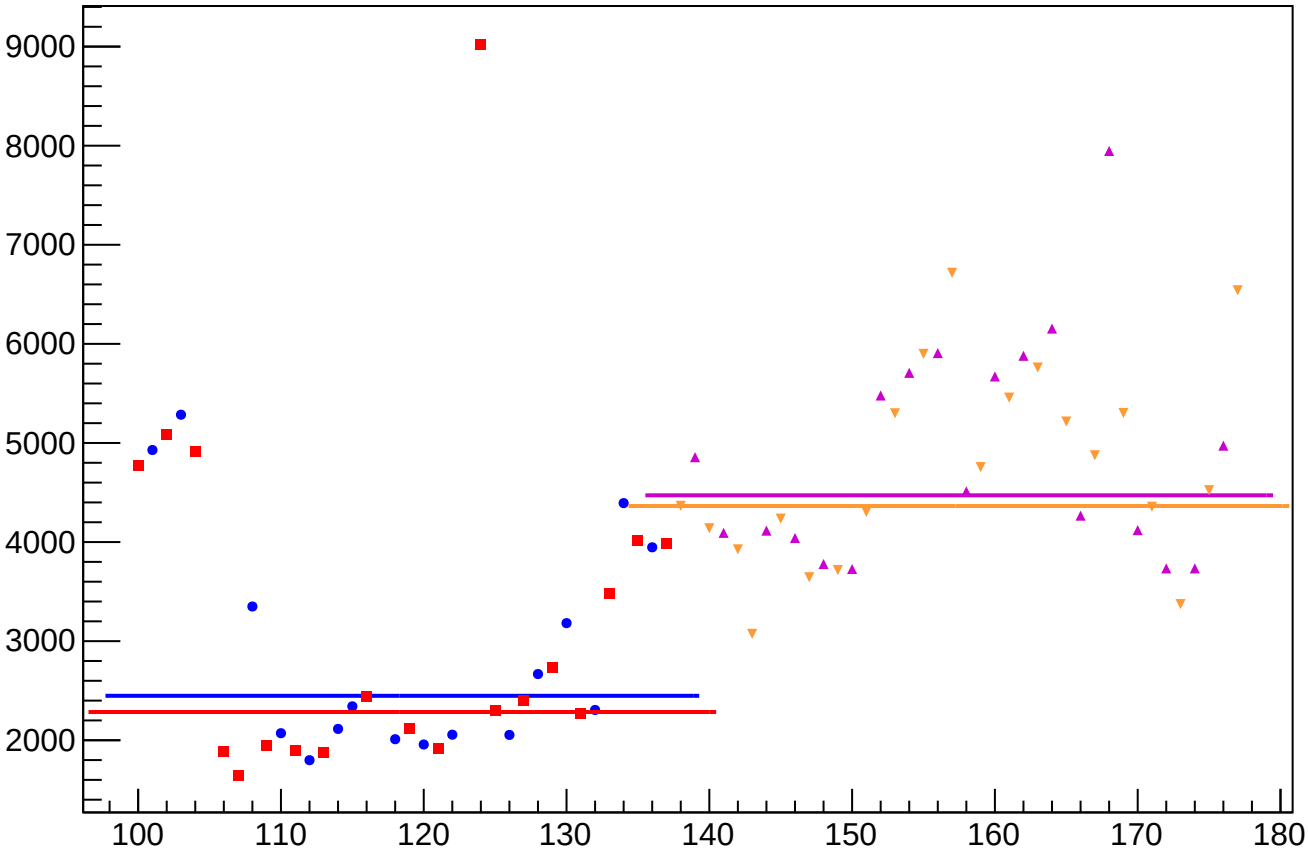
Left: -43.198+/-797.621 χ^2/NDF: 41.4/39

Right: -153.305+/-651.728 χ^2/NDF: 34.4/34

In: 12.664+/-741.769 χ^2/NDF:26.0/34

Out: -214.276+/-688.639 χ^2/NDF:49.8/39

All: -109.224+/-504.680 χ^2/NDF: 75.8/74



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 4363.732+/-0.777 χ^2/NDF:1366815.7/20

Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

Left In: 4471.817+/-0.820 χ^2/NDF:1164352.1/18

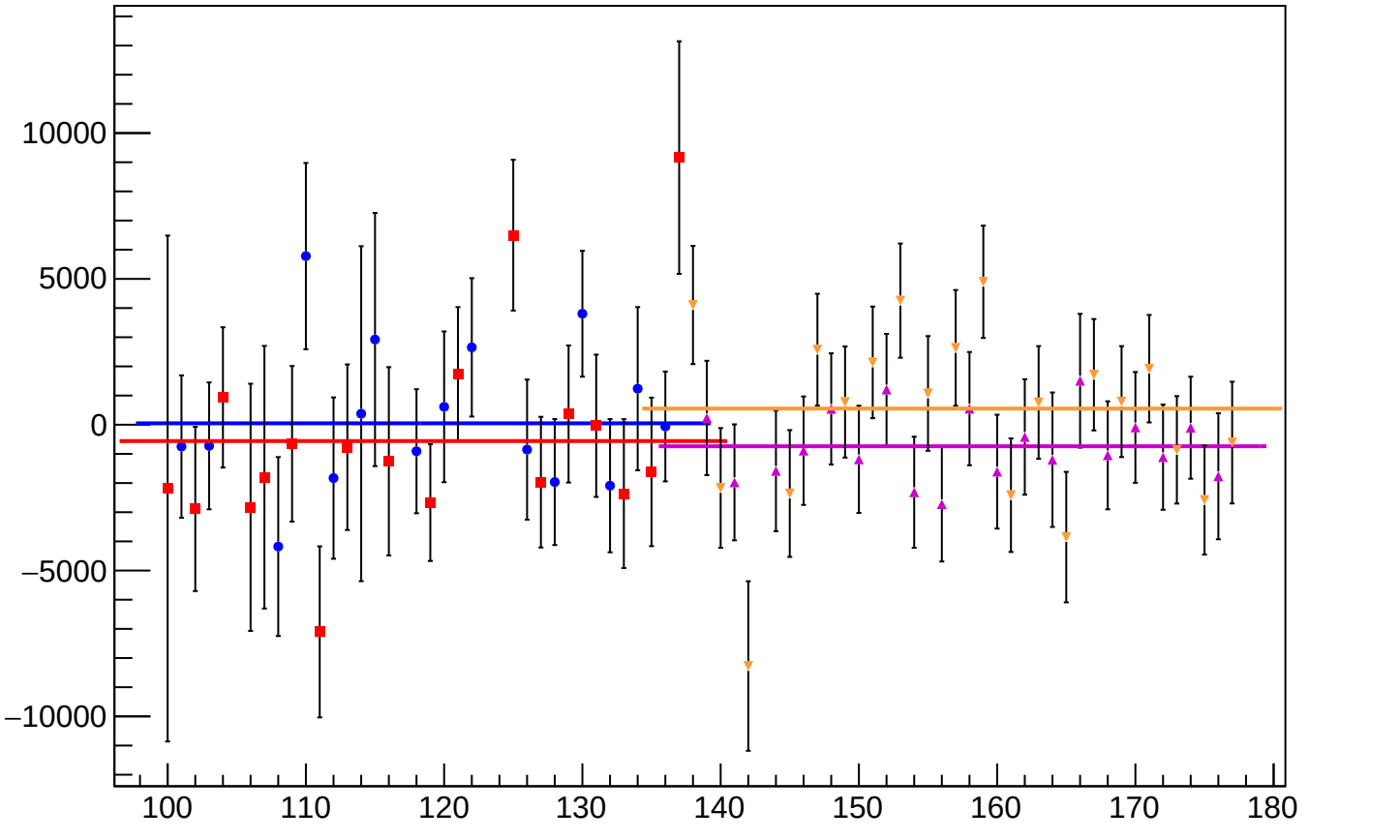
Left: 4414.815+/-0.564 χ^2/NDF: 2540321.7/39

Right: 2359.711+/-0.461 χ^2/NDF: 3097643.0/34

In: 3275.582+/-0.525 χ^2/NDF:6277823.2/34

Out: 3102.217+/-0.487 χ^2/NDF:7263108.1/39

All: 3182.469+/-0.357 χ^2/NDF: 13599607.5/7



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: 553.885+/-444.456 χ^2/NDF:38.4/19

Right Out: -559.600+/-645.291 χ^2/NDF: 23.3/17

Left In: -738.272+/-447.397 χ^2/NDF:6.3/18

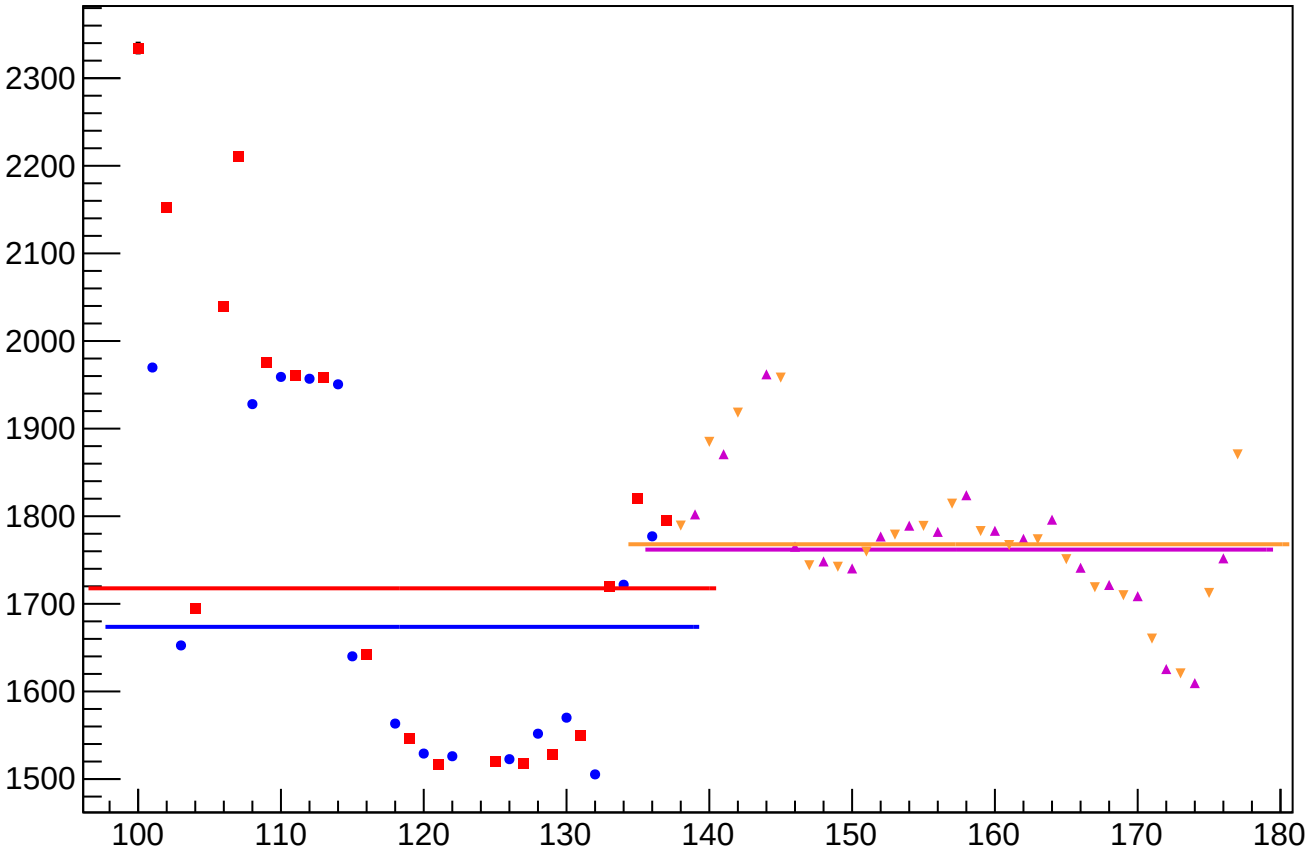
Left: -87.933+/-315.313 χ^2/NDF: 48.8/38

Right: -246.486+/-449.370 χ^2/NDF: 36.5/33

In: -472.413+/-364.022 χ^2/NDF:20.1/34

Out: 195.611+/-366.034 χ^2/NDF:63.7/37

All: -140.242+/-258.111 χ^2/NDF: 85.5/72



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1768.005+/-0.314 χ^2/NDF:59150.5/19

Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

Left In: 1761.890+/-0.316 χ^2/NDF:58839.8/18

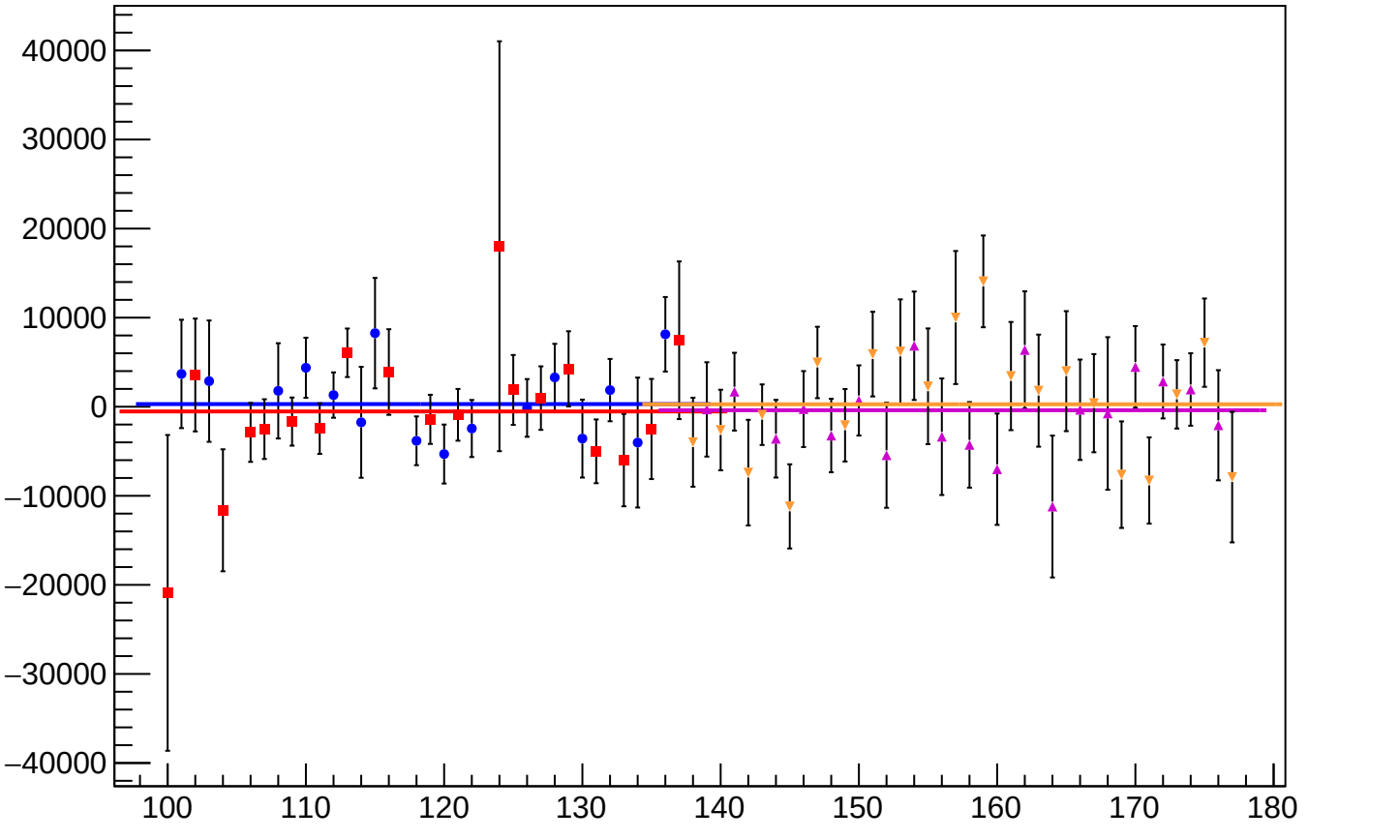
Left: 1764.967+/-0.223 χ^2/NDF: 118178.3/38

Right: 1695.110+/-0.317 χ^2/NDF: 373311.9/33

In: 1732.092+/-0.257 χ^2/NDF:225960.9/34

Out: 1751.772+/-0.259 χ^2/NDF:295056.9/37

All: 1741.885+/-0.182 χ^2/NDF: 523926.5/72



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: 274.702+/-1098.335 χ^2/NDF:30.7/20

Right Out: -531.009+/-883.966 χ^2/NDF: 18.8/18

Left In: -397.931+/-1160.225 χ^2/NDF:10.5/18

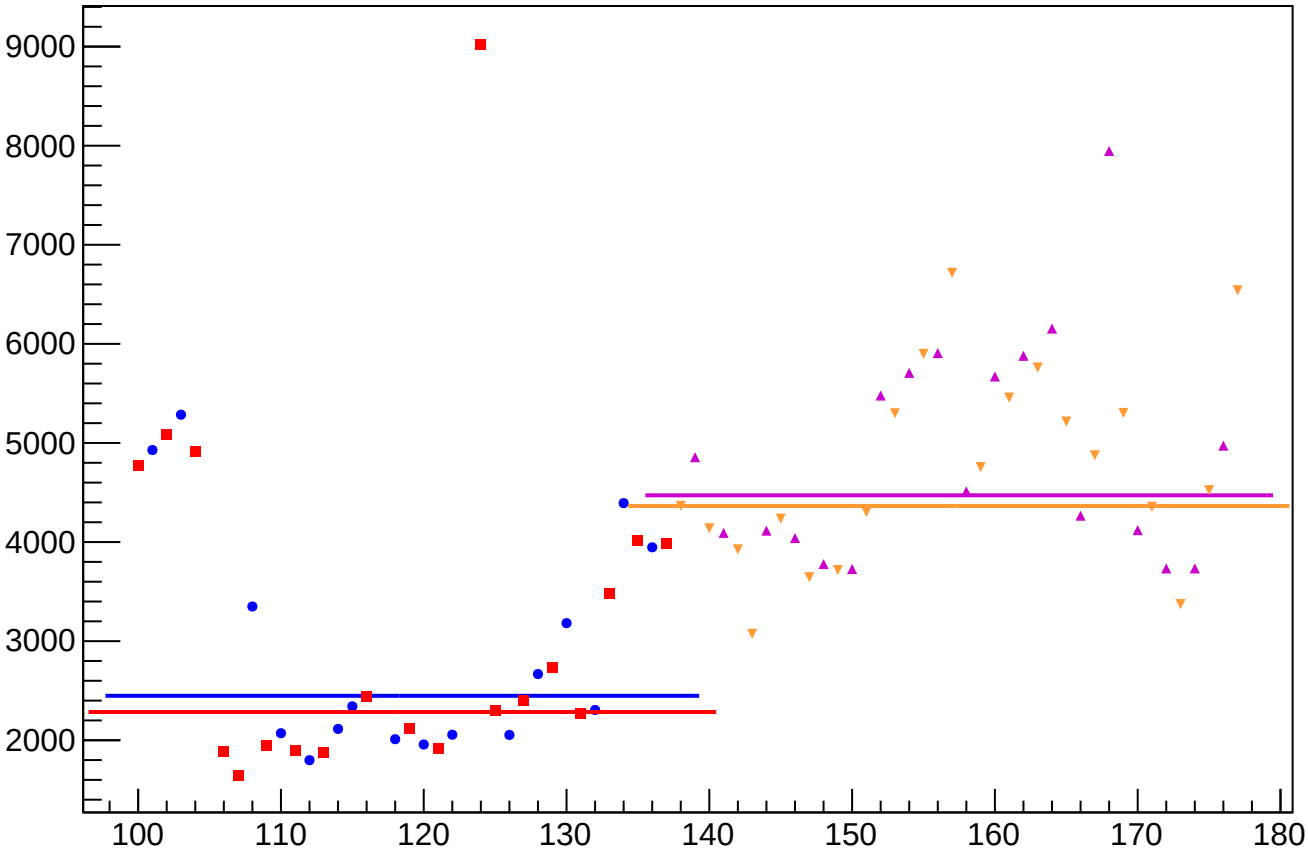
Left: -43.197+/-797.623 χ^2/NDF: 41.4/39

Right: -153.308+/-651.726 χ^2/NDF: 34.4/34

In: 12.662+/-741.768 χ^2/NDF:26.0/34

Out: -214.277+/-688.638 χ^2/NDF:49.8/39

All: -109.225+/-504.679 χ^2/NDF: 75.8/74



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 4363.738+/-0.777 χ^2/NDF:1366817.8/20

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

Left In: 4471.824+/-0.820 χ^2/NDF:1164352.3/18

Left: 4414.822+/-0.564 χ^2/NDF: 2540323.9/39

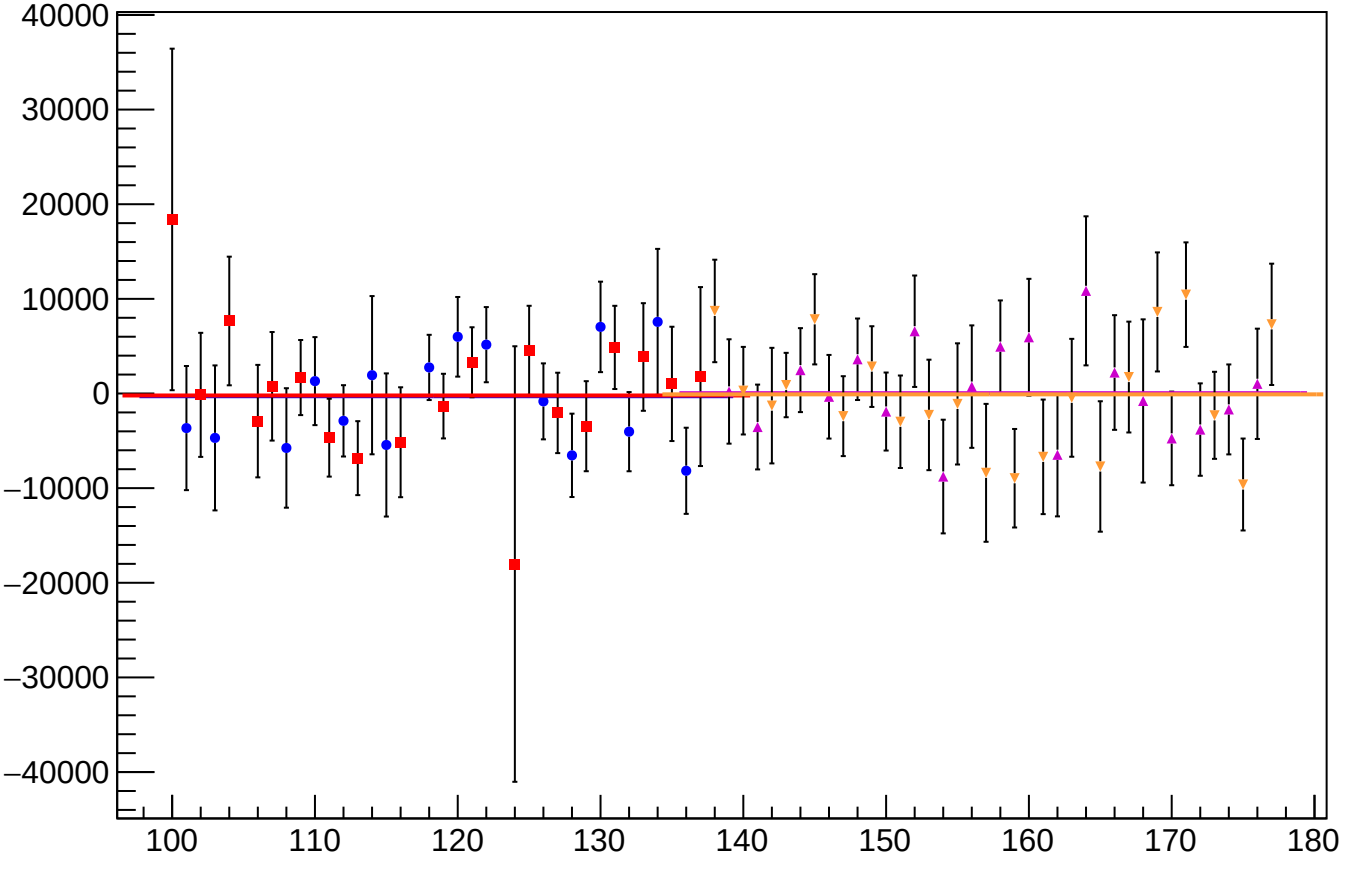
Right: 2359.701+/-0.461 χ^2/NDF: 3097663.3/34

In: 3275.573+/-0.525 χ^2/NDF:6277904.2/34

Out: 3102.210+/-0.487 χ^2/NDF:7263186.4/39

All: 3182.461+/-0.357 χ^2/NDF: 13599766.1/7

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: -90.056+/-1135.237 χ^2/NDF:24.5/20

Right Out: -209.473+/-1153.742 χ^2/NDF: 12.9/18

Left In: 33.376+/-1209.946 χ^2/NDF:11.9/18

Left: -32.268+/-827.886 χ^2/NDF: 36.4/39

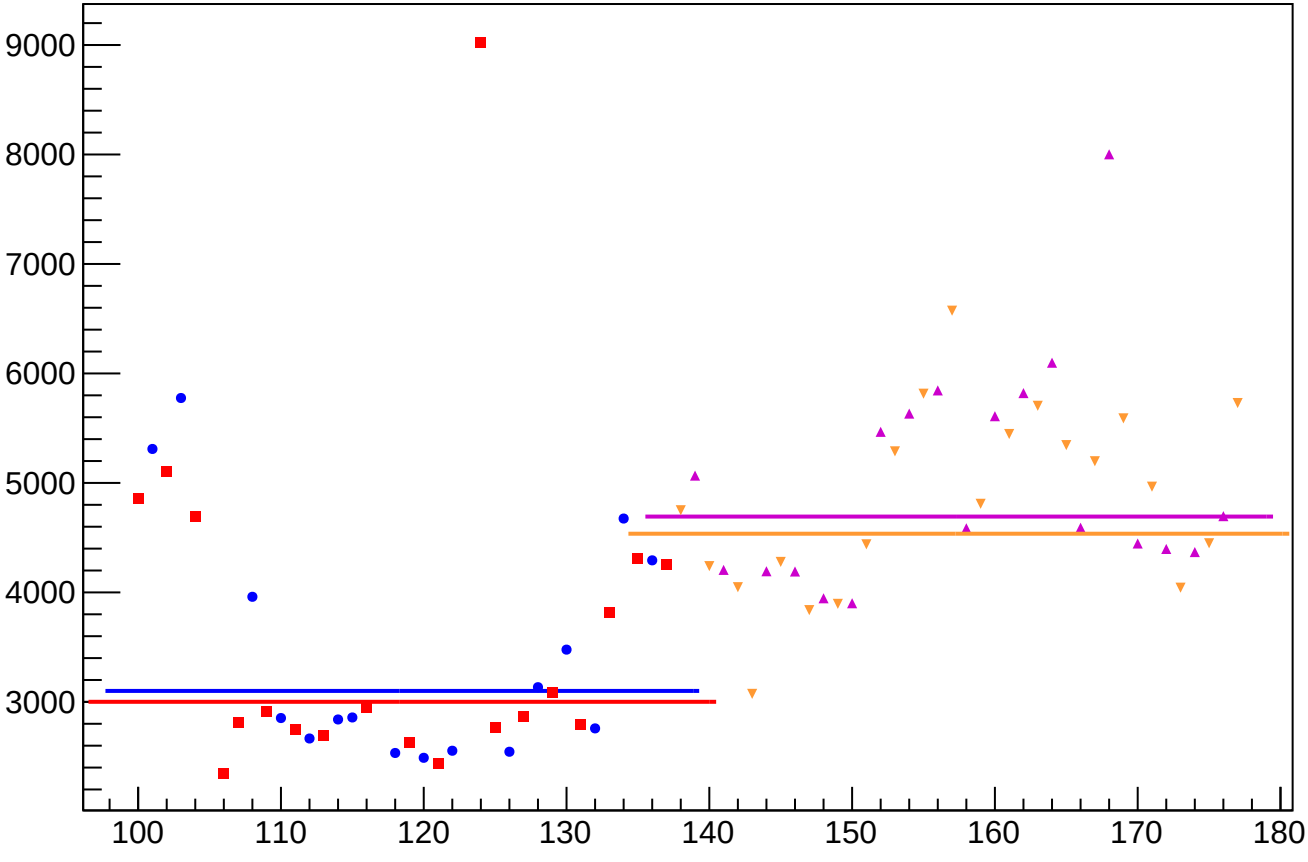
Right: -246.932+/-830.804 χ^2/NDF: 29.4/34

In: -128.629+/-851.069 χ^2/NDF:28.5/34

Out: -148.799+/-809.197 χ^2/NDF:37.4/39

All: -139.222+/-586.433 χ^2/NDF: 65.9/74

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 4536.040+/-0.803 χ^2/NDF:1105465.8/20

Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4692.710+/-0.856 χ^2/NDF:850407.7/18

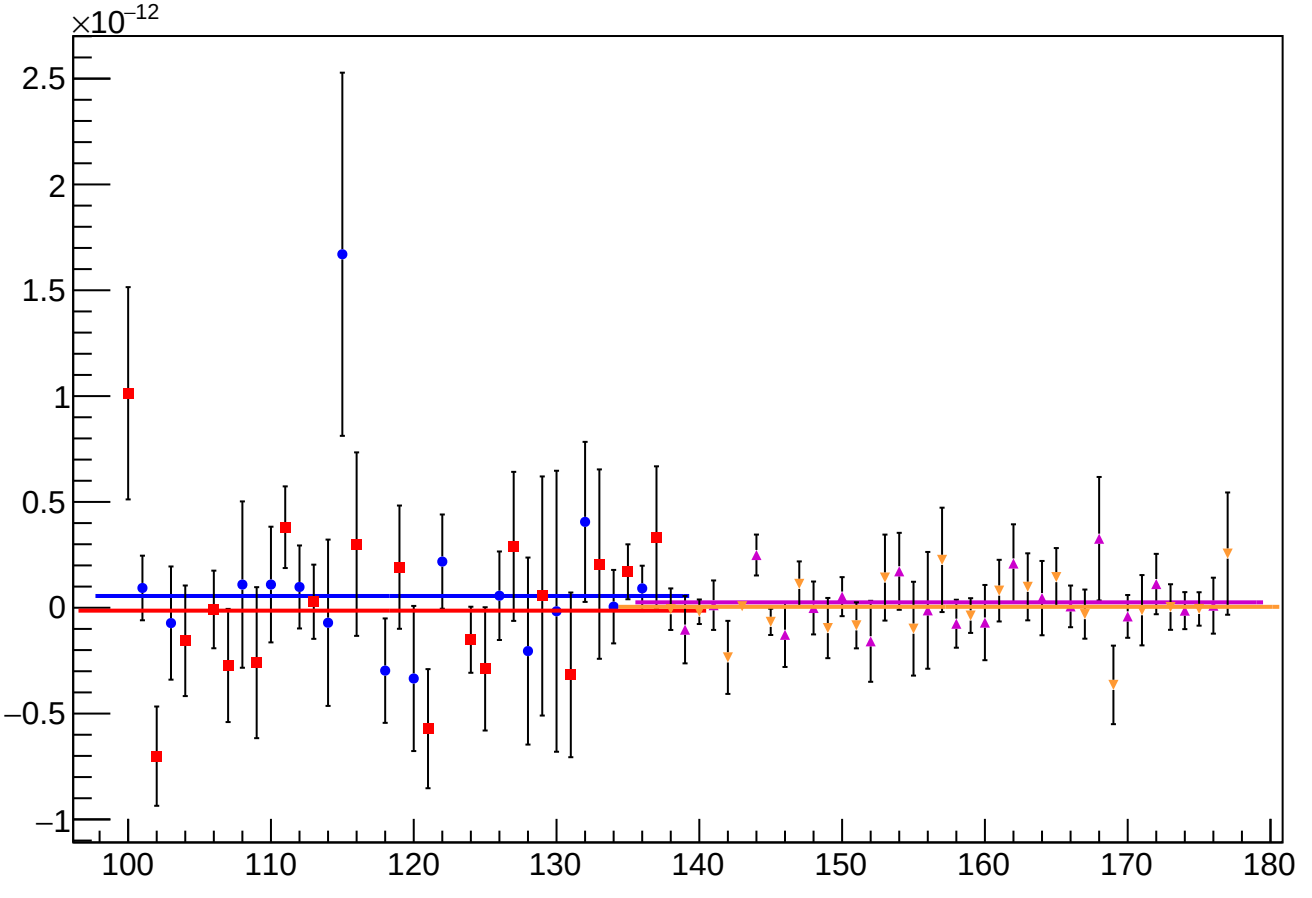
Left: 4609.389+/-0.585 χ^2/NDF: 1973707.3/39

Right: 3047.926+/-0.583 χ^2/NDF: 1777509.7/34

In: 3888.081+/-0.602 χ^2/NDF:3564705.9/34

Out: 3770.374+/-0.568 χ^2/NDF:3736324.9/39

All: 3825.866+/-0.413 χ^2/NDF: 7321251.8/74



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.9/20

Right Out: -0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: 0.000+/-0.000 χ^2/NDF:13.0/18

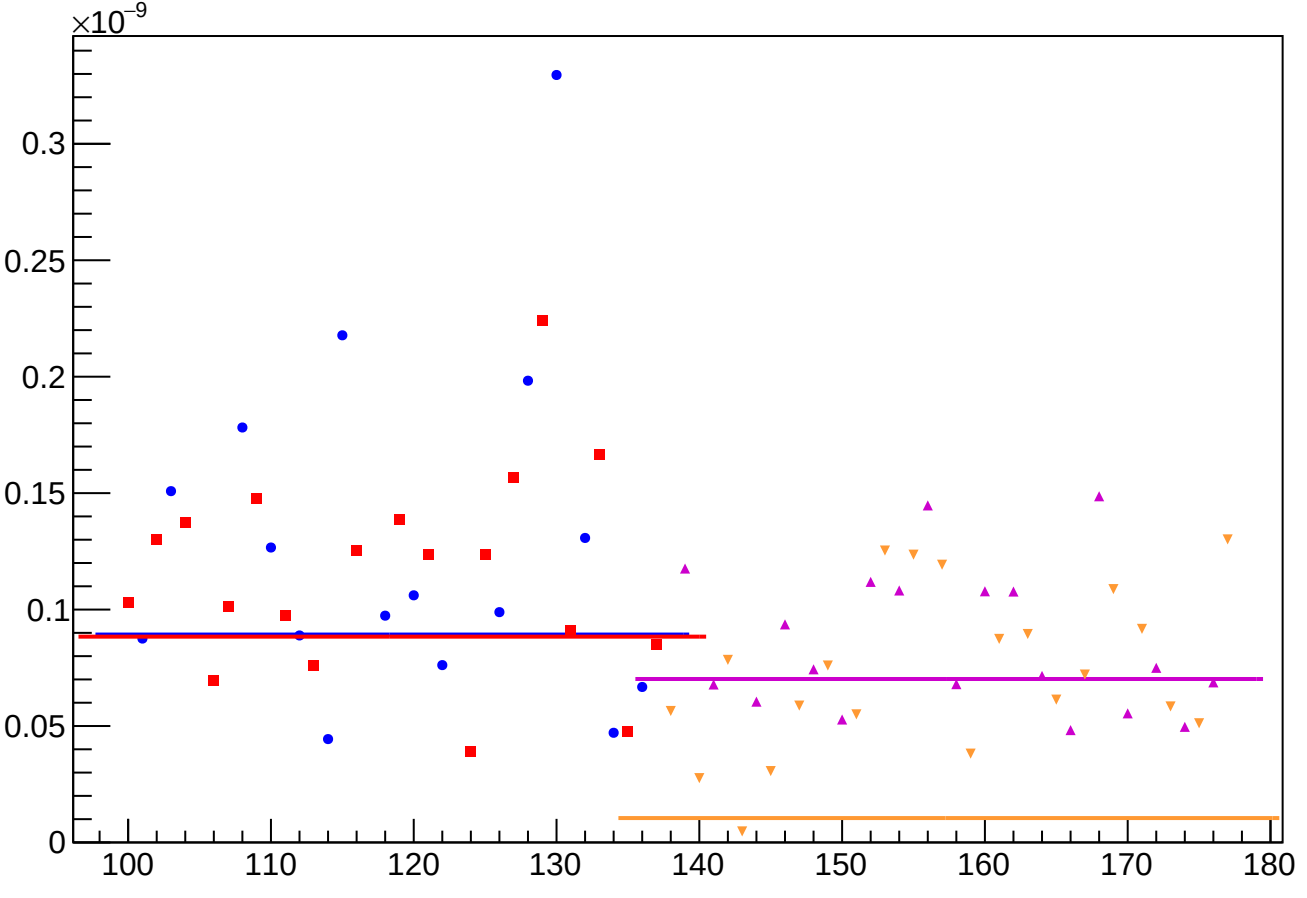
Left: 0.000+/-0.000 χ^2/NDF: 27.4/39

Right: 0.000+/-0.000 χ^2/NDF: 40.1/34

In: 0.000+/-0.000 χ^2/NDF:22.5/34

Out: 0.000+/-0.000 χ^2/NDF:44.1/39

All: 0.000+/-0.000 χ^2/NDF: 67.6/74



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:9112902.7/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1013814.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1220099.0/18

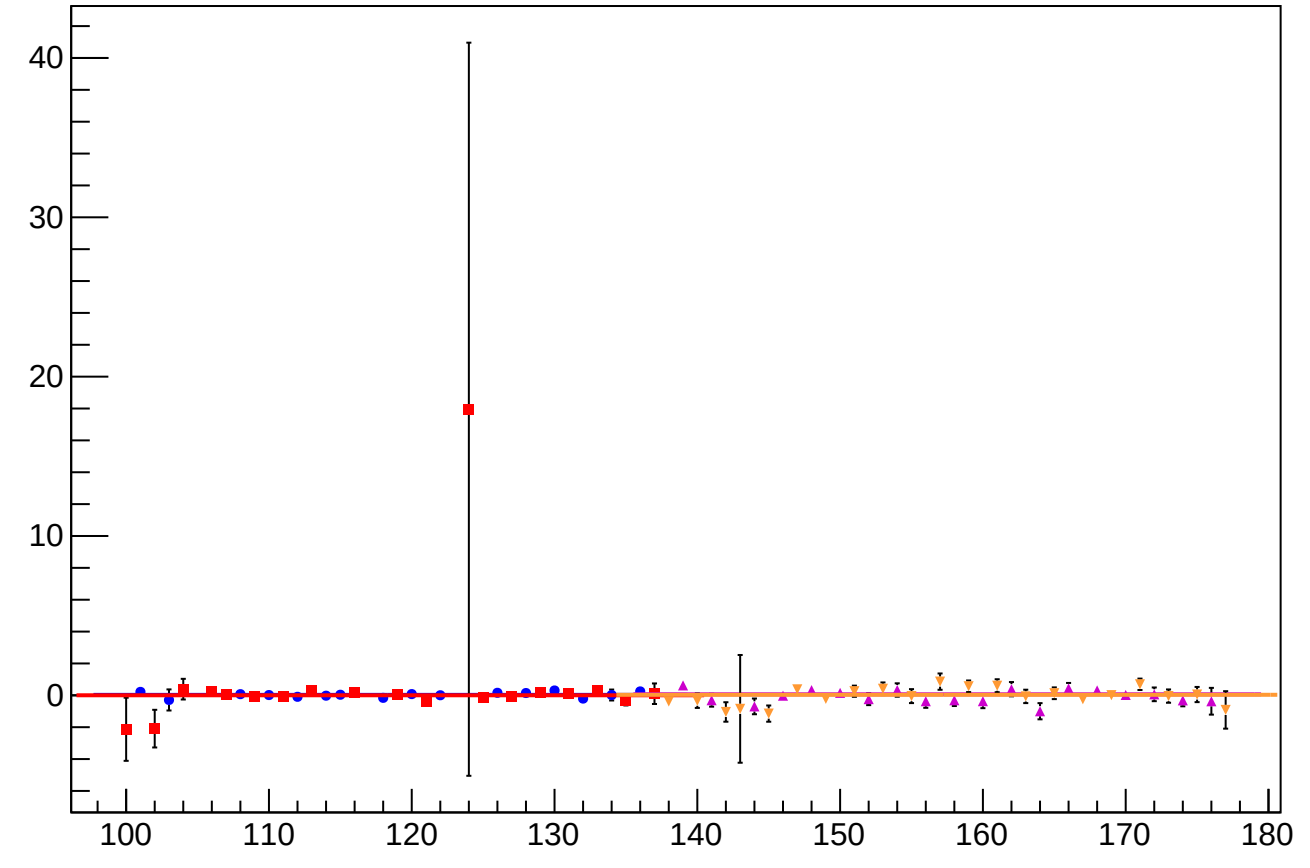
Left: 0.000+/-0.000 χ^2/NDF: 17834989.7/39

Right: 0.000+/-0.000 χ^2/NDF: 1963677.1/34

In: 0.000+/-0.000 χ^2/NDF:2348621.8/34

Out: 0.000+/-0.000 χ^2/NDF:13942922.1/39

All: 0.000+/-0.000 χ^2/NDF: 26459362.2/74



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.033+/-0.078 χ^2/NDF:27.0/20

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.064+/-0.077 χ^2/NDF:22.4/18

Left: 0.049+/-0.055 χ^2/NDF: 49.5/39

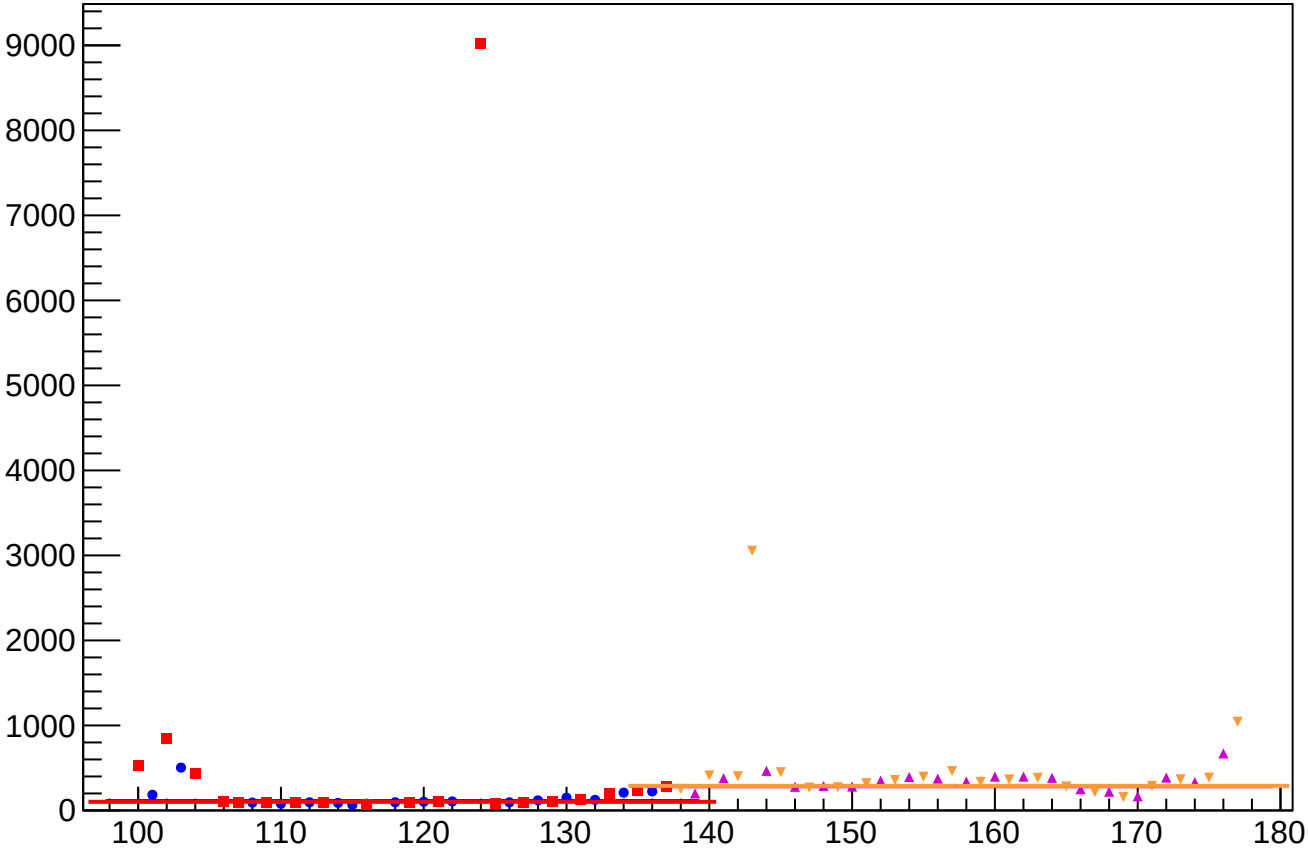
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.037+/-0.039 χ^2/NDF:31.5/34

Out: 0.010+/-0.038 χ^2/NDF:49.5/39

All: 0.024+/-0.027 χ^2/NDF: 81.2/74

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: 289.304+/-0.055 χ^2/NDF:4709157.6/20

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 284.450+/-0.054 χ^2/NDF:2824083.8/18

Left: 286.838+/-0.039 χ^2/NDF: 7537163.7/39

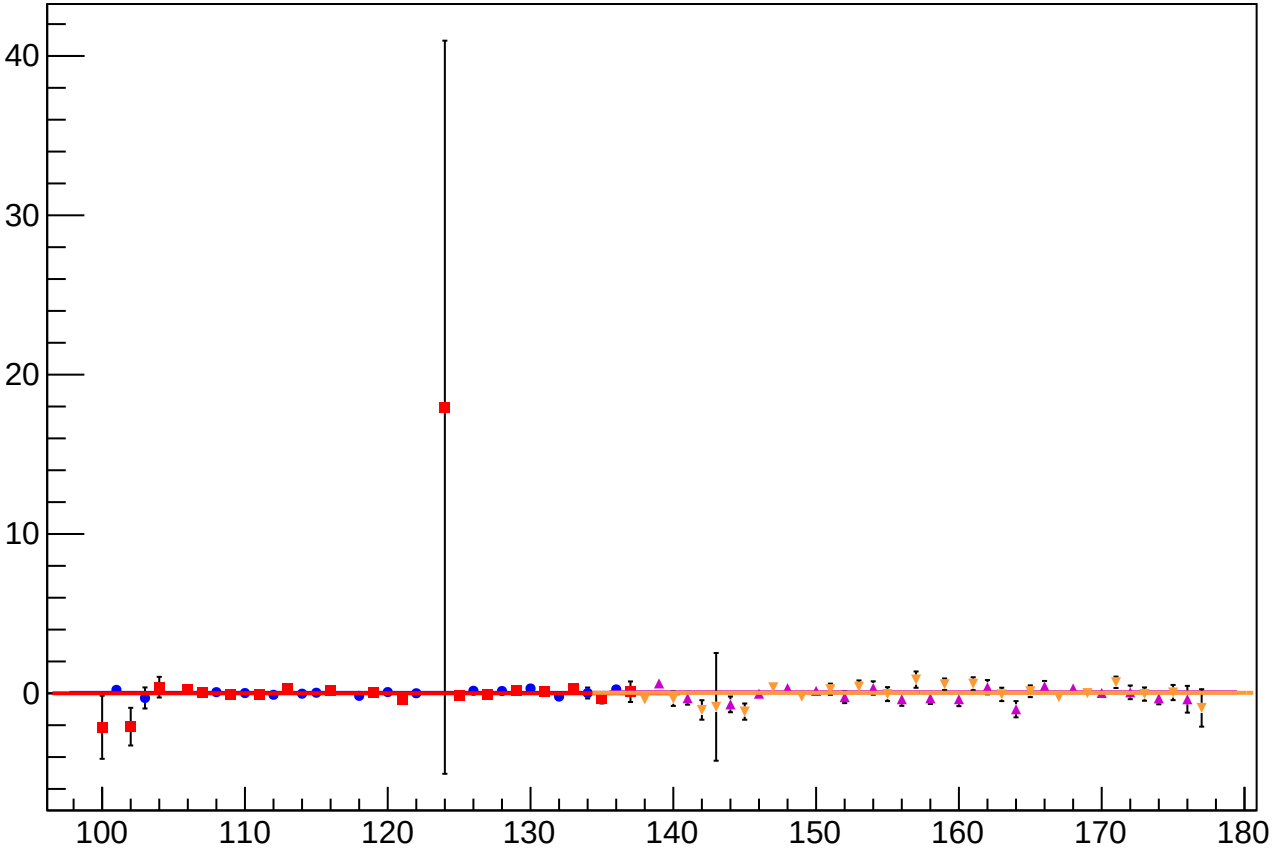
Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 154.945+/-0.028 χ^2/NDF:12398603.4/34

Out: 146.024+/-0.027 χ^2/NDF:16102579.4/39

All: 150.356+/-0.019 χ^2/NDF: 28554942.7/74

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.033+/-0.078 χ^2/NDF:27.0/20

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.064+/-0.077 χ^2/NDF:22.4/18

Left: 0.049+/-0.055 χ^2/NDF: 49.5/39

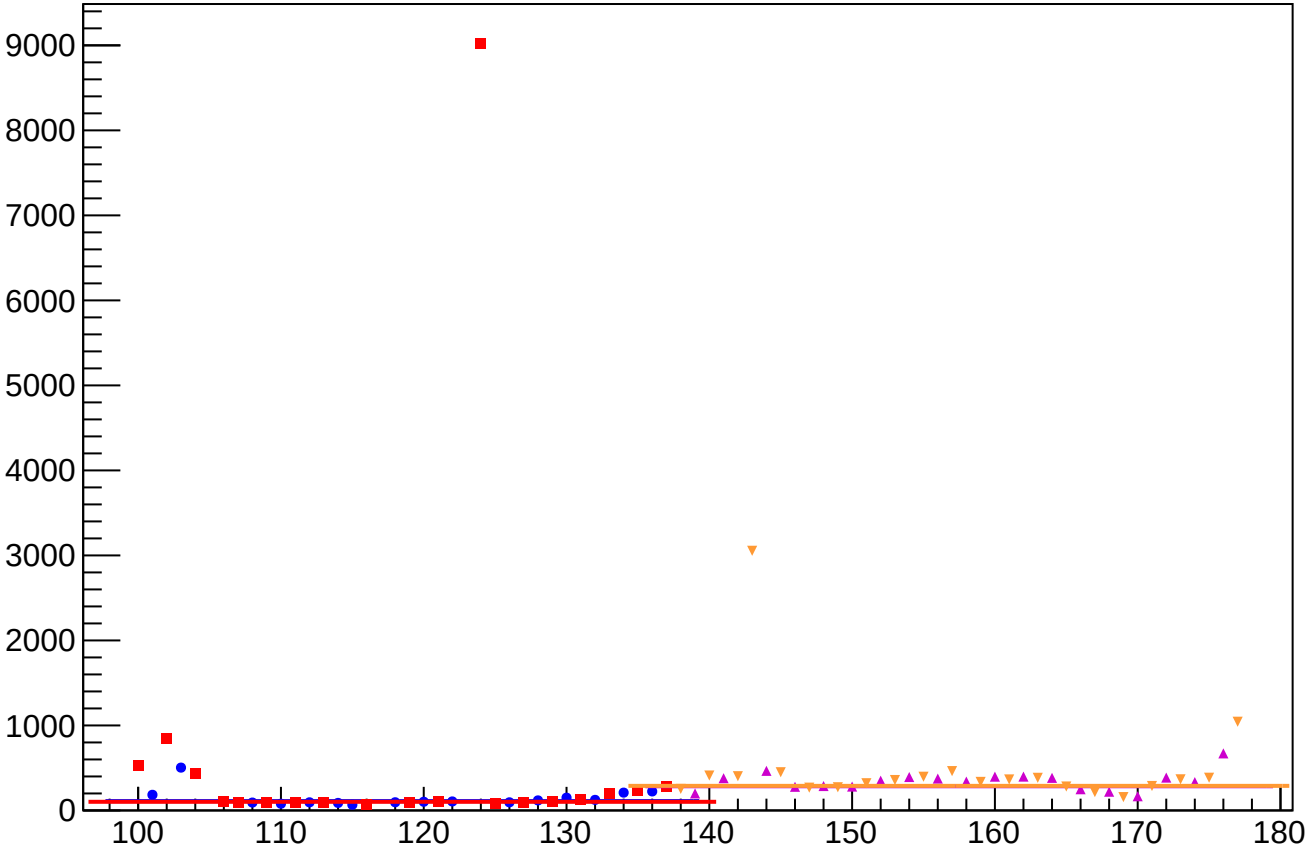
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.037+/-0.039 χ^2/NDF:31.5/34

Out: 0.010+/-0.038 χ^2/NDF:49.5/39

All: 0.024+/-0.027 χ^2/NDF: 81.2/74

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: 289.304+/-0.055 χ^2/NDF:4709157.6/20

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 284.450+/-0.054 χ^2/NDF:2824083.8/18

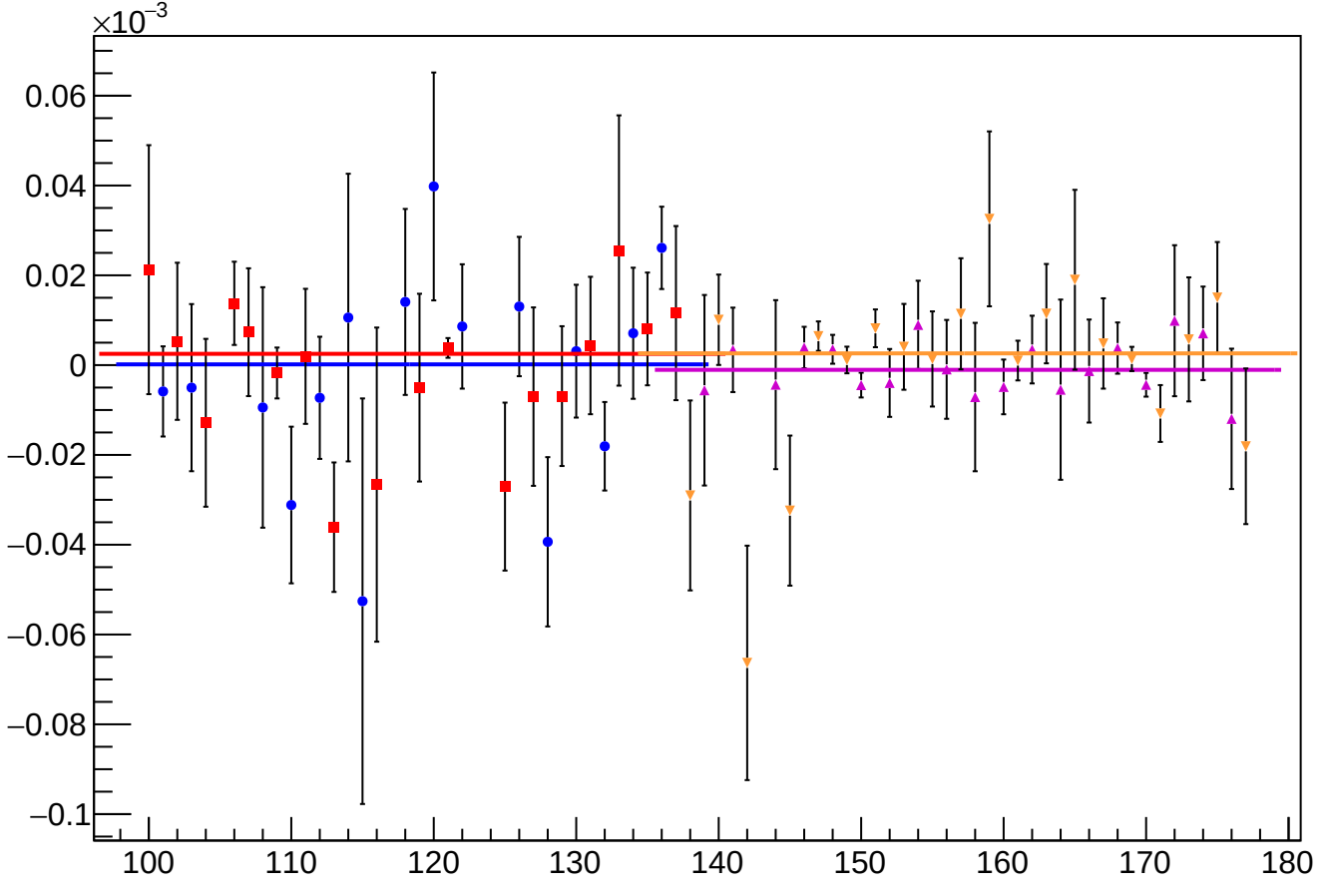
Left: 286.838+/-0.039 χ^2/NDF: 7537163.7/39

Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 154.945+/-0.028 χ^2/NDF:12398603.4/34

Out: 146.024+/-0.027 χ^2/NDF:16102579.4/39

All: 150.356+/-0.019 χ^2/NDF: 28554942.7/74



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:29.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: -0.000+/-0.000 χ^2/NDF:10.9/18

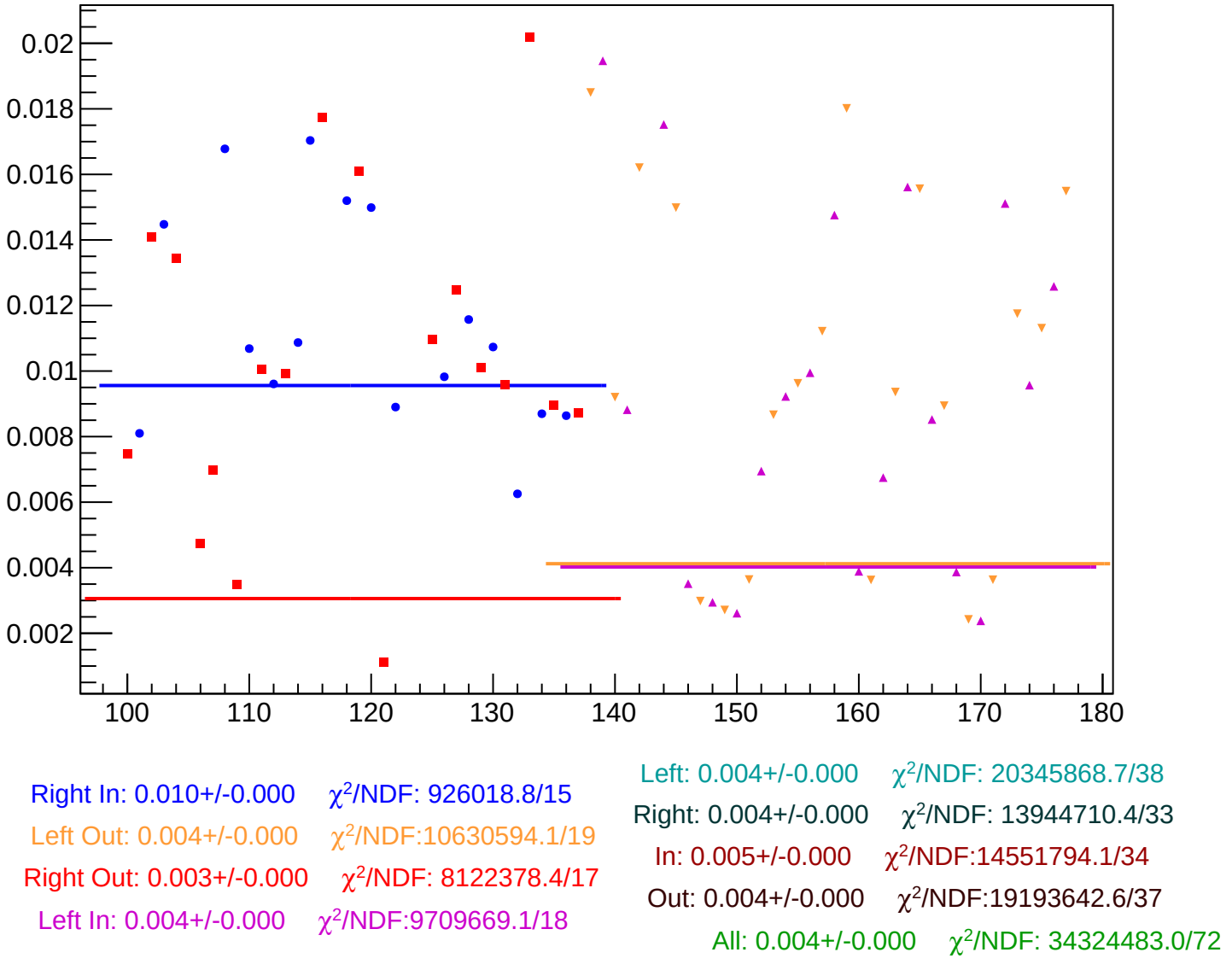
Left: 0.000+/-0.000 χ^2/NDF: 43.8/38

Right: 0.000+/-0.000 χ^2/NDF: 41.7/33

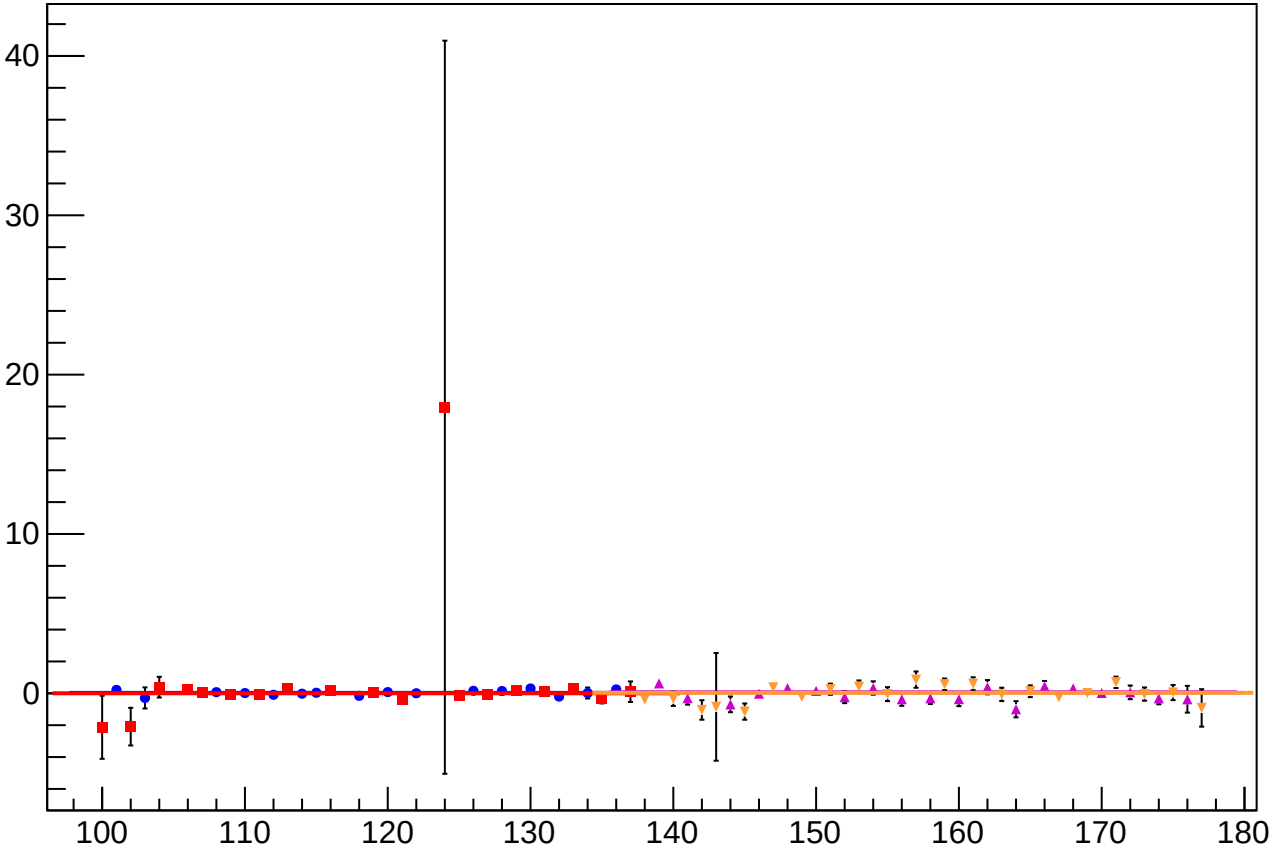
In: -0.000+/-0.000 χ^2/NDF:36.6/34

Out: 0.000+/-0.000 χ^2/NDF:44.9/37

All: 0.000+/-0.000 χ^2/NDF: 86.0/72


asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
Right In: 0.010+/-0.000 χ²/NDF: 926018.8/15
Left Out: 0.004+/-0.000 χ²/NDF:10630594.1/19
Right Out: 0.003+/-0.000 χ²/NDF: 8122378.4/17
Left In: 0.004+/-0.000 χ²/NDF:9709669.1/18
Left: 0.004+/-0.000 χ²/NDF: 20345868.7/38
Right: 0.004+/-0.000 χ²/NDF: 13944710.4/33
In: 0.005+/-0.000 χ²/NDF:14551794.1/34
Out: 0.004+/-0.000 χ²/NDF:19193642.6/37
All: 0.004+/-0.000 χ²/NDF: 34324483.0/72

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: 0.033+/-0.078 χ^2/NDF:27.0/20

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.064+/-0.077 χ^2/NDF:22.4/18

Left: 0.049+/-0.055 χ^2/NDF: 49.5/39

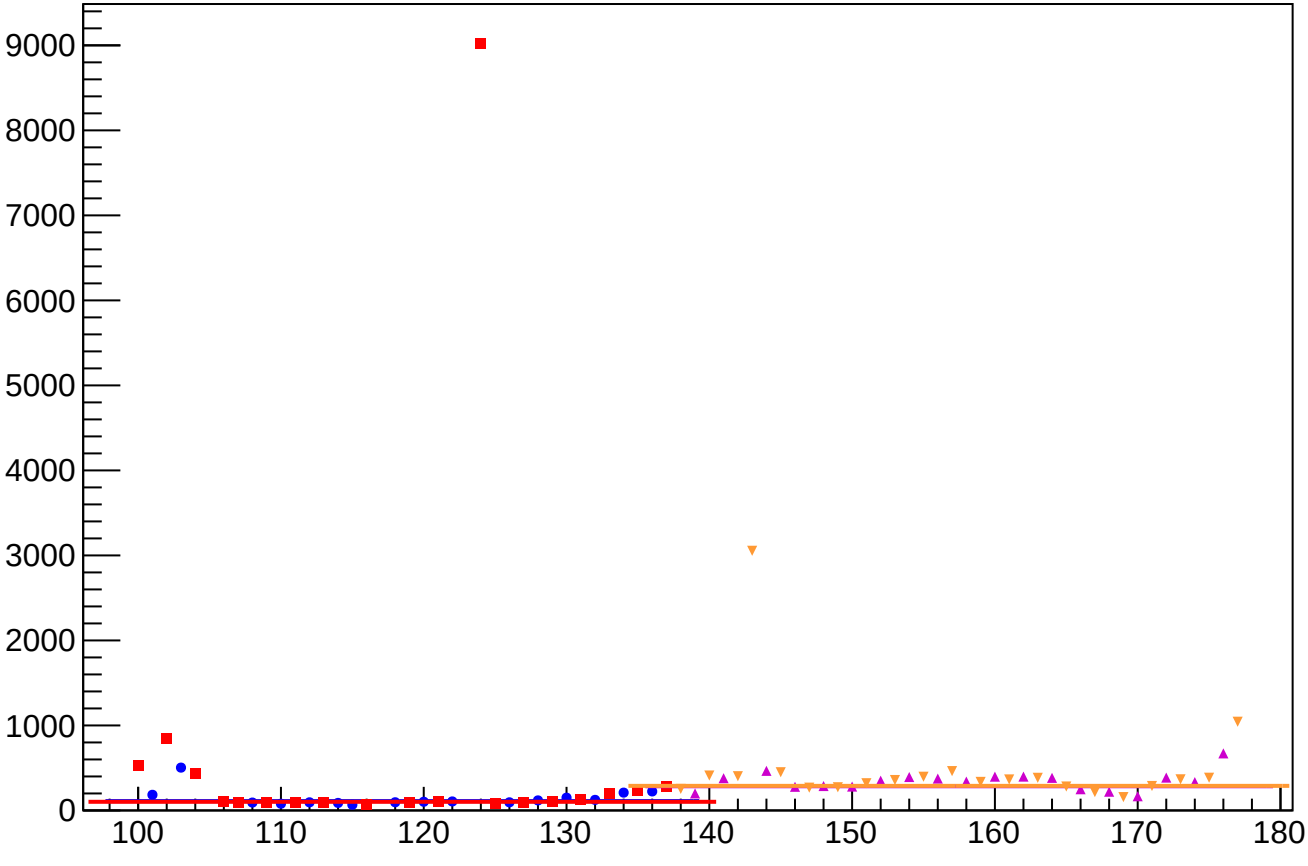
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.037+/-0.039 χ^2/NDF:31.5/34

Out: 0.010+/-0.038 χ^2/NDF:49.5/39

All: 0.024+/-0.027 χ^2/NDF: 81.2/74

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: 289.305+/-0.055 χ^2/NDF:4709204.7/20

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 284.453+/-0.054 χ^2/NDF:2824038.1/18

Left: 286.840+/-0.039 χ^2/NDF: 7537162.6/39

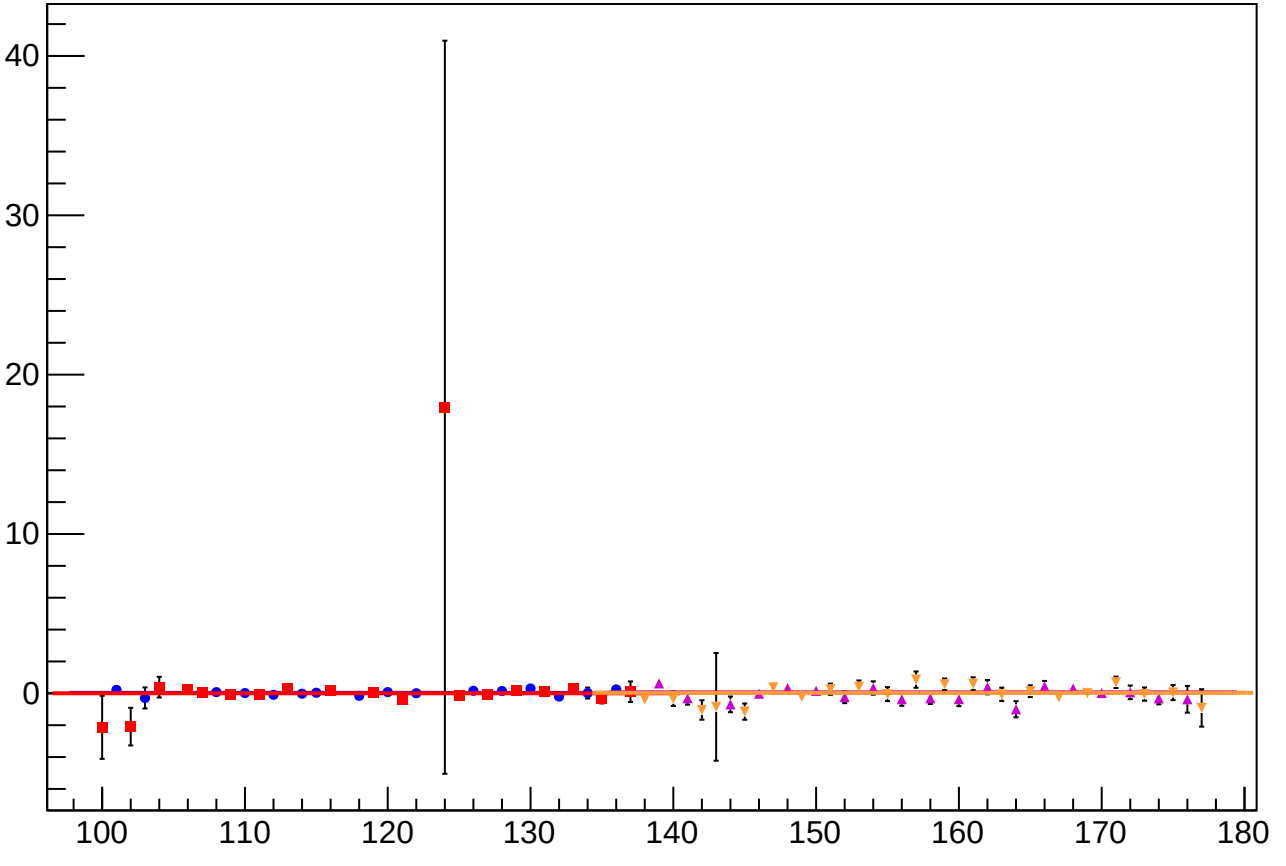
Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 154.947+/-0.028 χ^2/NDF:12398540.3/34

Out: 146.025+/-0.027 χ^2/NDF:16102454.2/39

All: 150.357+/-0.019 χ^2/NDF: 28554749.5/74

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: 0.033+/-0.078 χ^2/NDF:27.0/20

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.064+/-0.077 χ^2/NDF:22.4/18

Left: 0.049+/-0.055 χ^2/NDF: 49.5/39

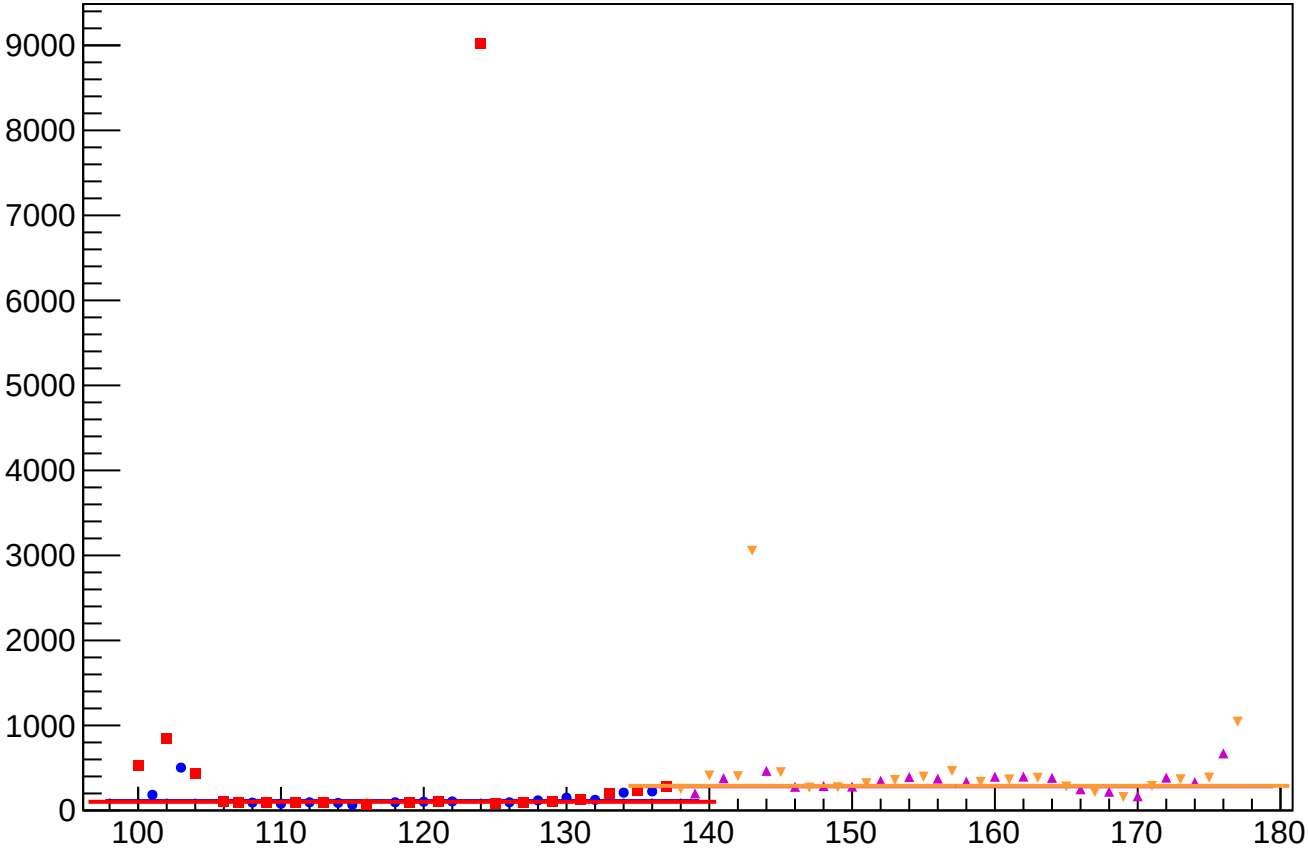
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.037+/-0.039 χ^2/NDF:31.5/34

Out: 0.010+/-0.038 χ^2/NDF:49.5/39

All: 0.024+/-0.027 χ^2/NDF: 81.2/74

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 289.305+/-0.055 χ^2/NDF:4709204.7/20

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 284.453+/-0.054 χ^2/NDF:2824038.1/18

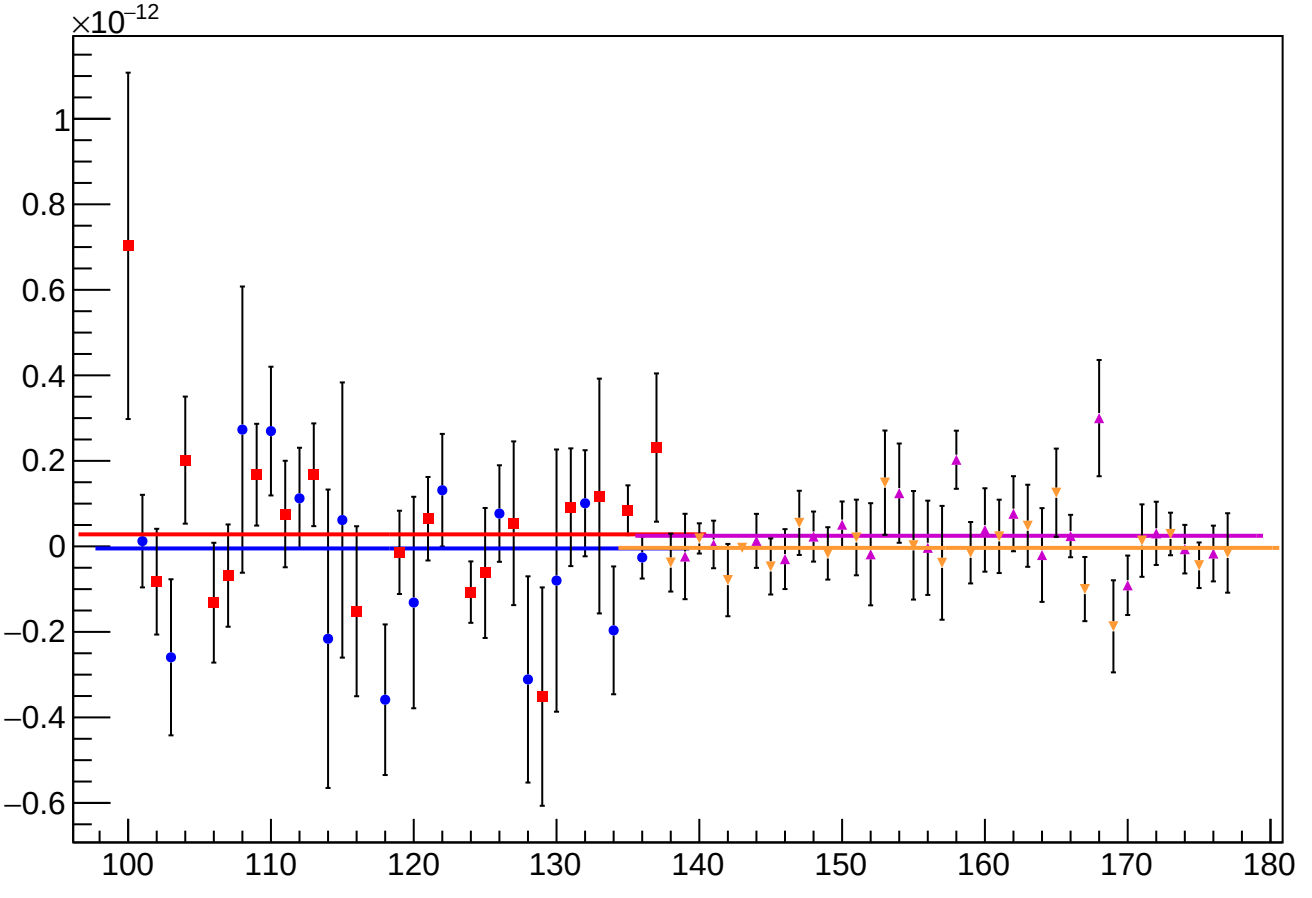
Left: 286.840+/-0.039 χ^2/NDF: 7537162.6/39

Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 154.947+/-0.028 χ^2/NDF:12398540.3/34

Out: 146.025+/-0.027 χ^2/NDF:16102454.2/39

All: 150.357+/-0.019 χ^2/NDF: 28554749.5/74



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:17.1/18

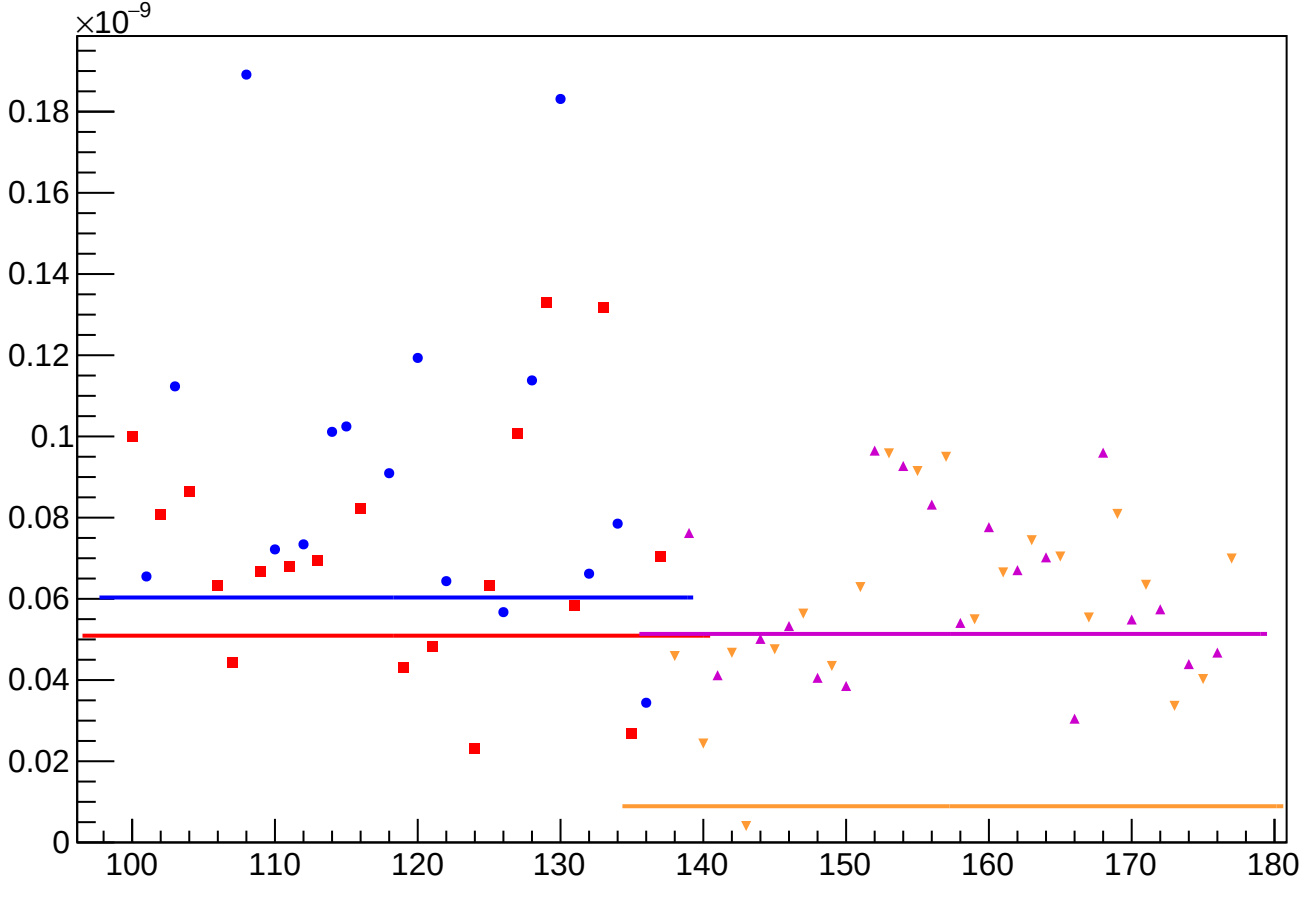
Left: -0.000+/-0.000 χ^2/NDF: 31.6/39

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:35.3/34

Out: -0.000+/-0.000 χ^2/NDF:32.8/39

All: -0.000+/-0.000 χ^2/NDF: 69.9/74



Right In: 0.000+/-0.000 χ^2/NDF: 1746170.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:16360217.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1667004.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1984122.6/18

Left: 0.000+/-0.000 χ^2/NDF: 30322562.6/39

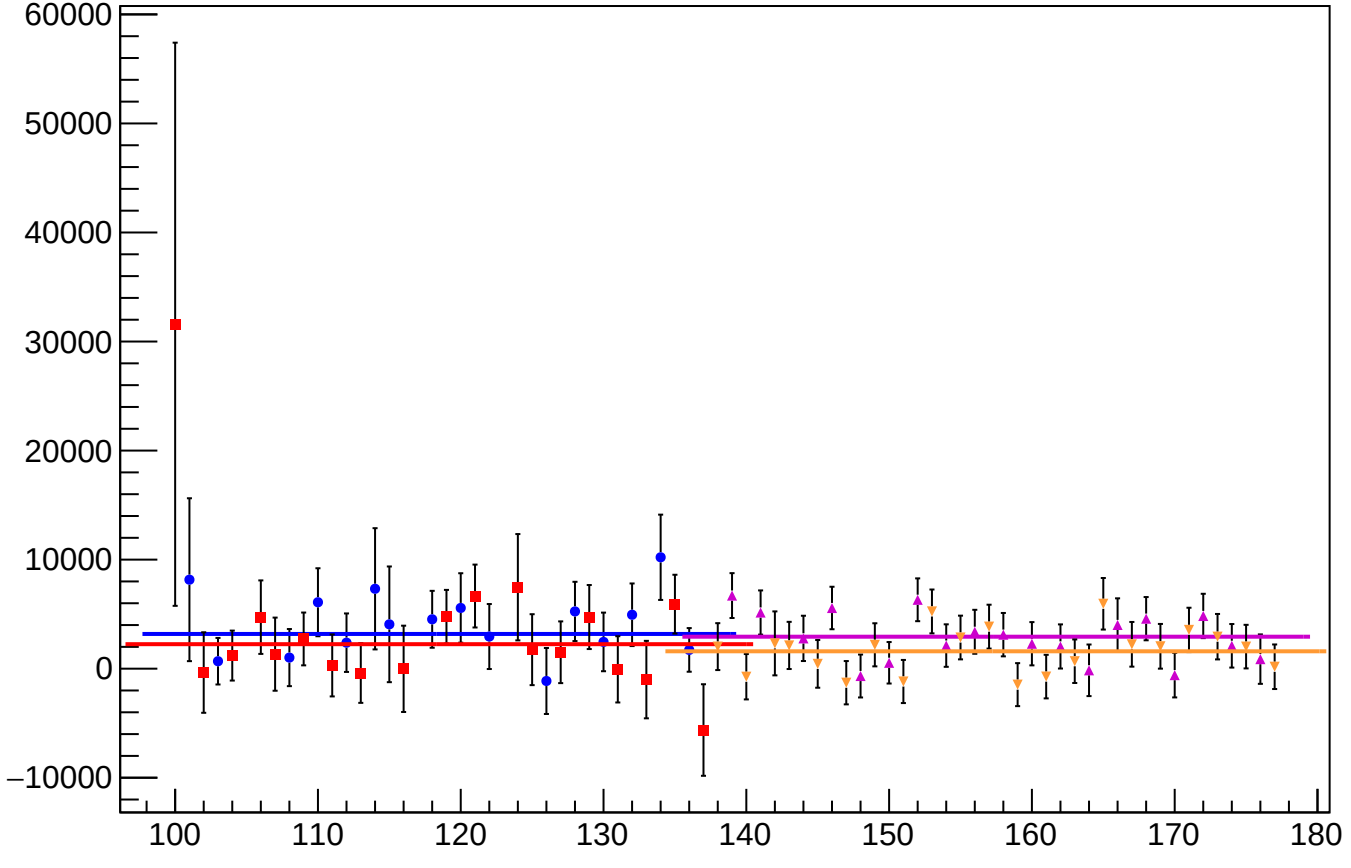
Right: 0.000+/-0.000 χ^2/NDF: 3514375.8/34

In: 0.000+/-0.000 χ^2/NDF:3855966.9/34

Out: 0.000+/-0.000 χ^2/NDF:22623055.7/39

All: 0.000+/-0.000 χ^2/NDF: 41650929.4/74

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1593.562+/-453.068 χ^2/NDF:20.2/20

Right Out: 2246.057+/-710.912 χ^2/NDF: 16.5/18

Left In: 2931.769+/-468.445 χ^2/NDF:22.3/18

Left: 2240.340+/-325.668 χ^2/NDF: 46.7/39

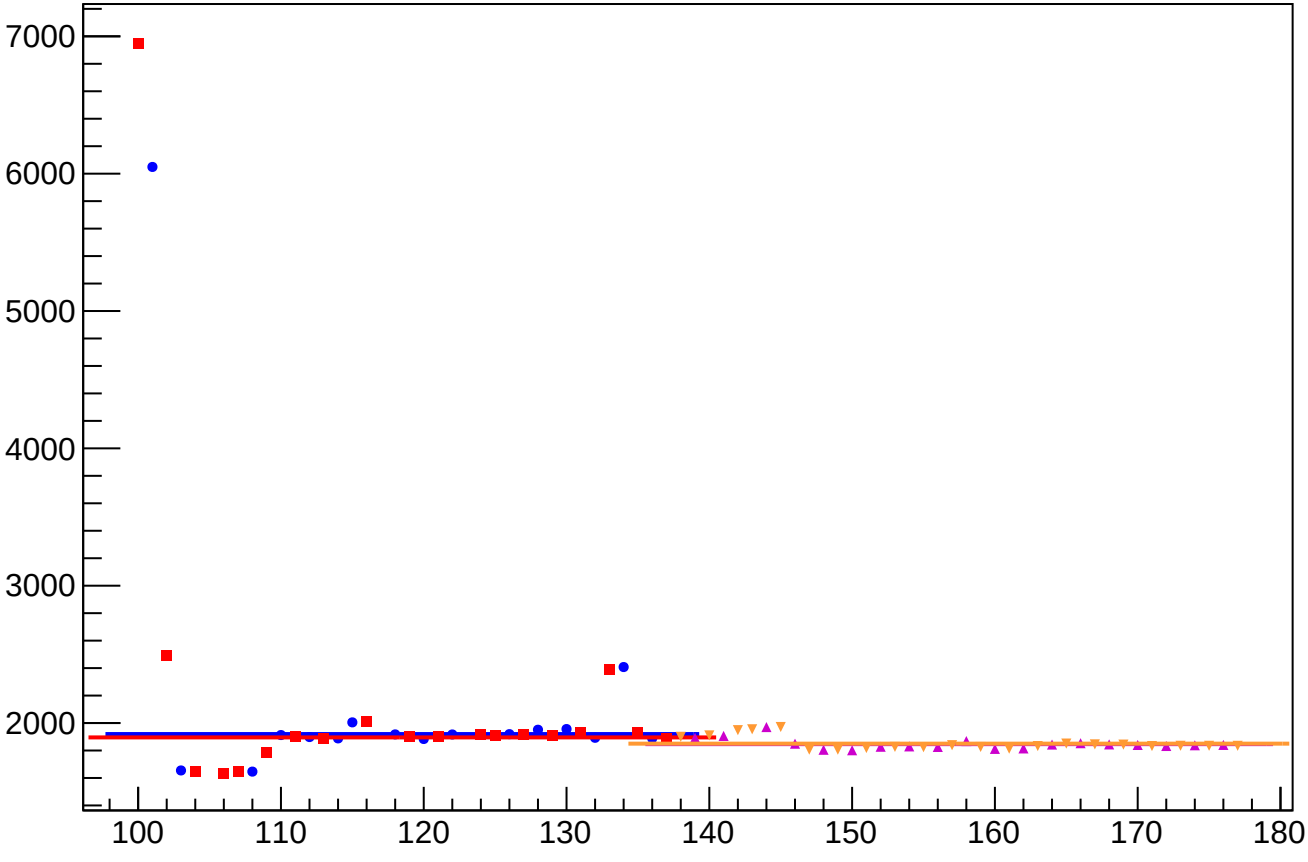
Right: 2701.735+/-509.689 χ^2/NDF: 29.1/34

In: 3005.092+/-394.431 χ^2/NDF:34.0/34

Out: 1782.030+/-382.073 χ^2/NDF:37.3/39

All: 2374.101+/-274.431 χ^2/NDF: 76.3/74

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1849.919+/-0.320 χ^2/NDF:20603.7/20

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

Left In: 1846.348+/-0.331 χ^2/NDF:13907.1/18

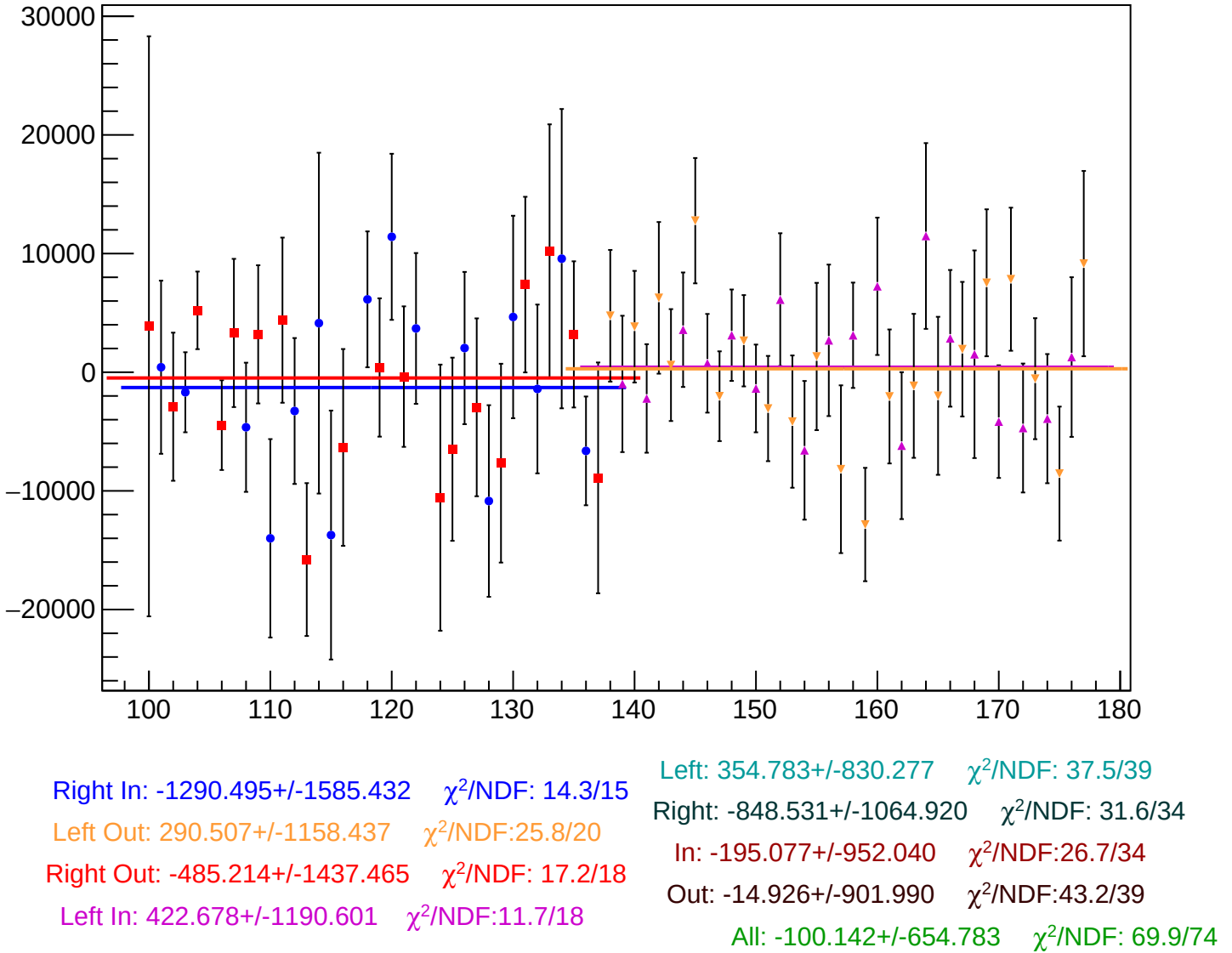
Left: 1848.193+/-0.230 χ^2/NDF: 34570.9/39

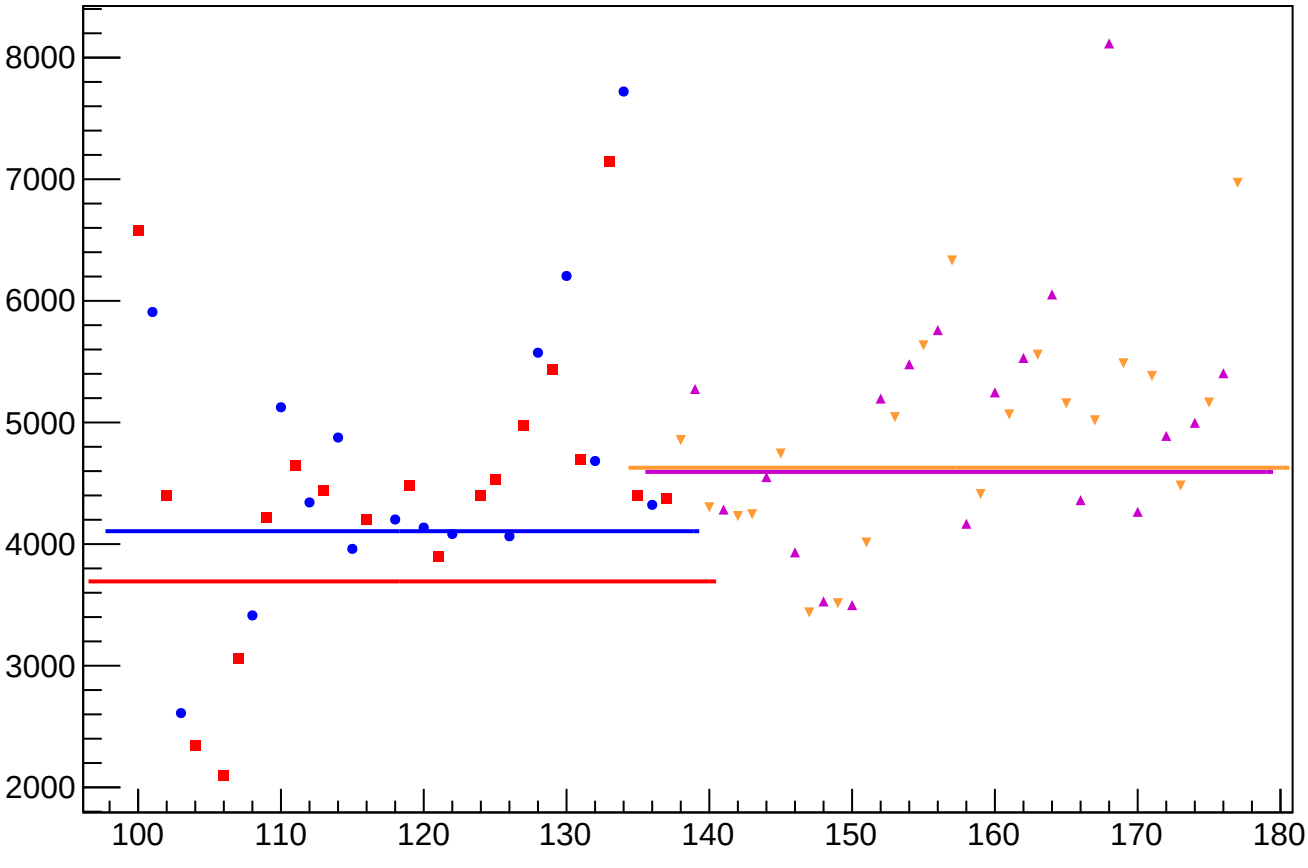
Right: 1907.209+/-0.360 χ^2/NDF: 920760.5/34

In: 1867.733+/-0.279 χ^2/NDF:725560.0/34

Out: 1863.110+/-0.270 χ^2/NDF:248717.7/39

All: 1865.346+/-0.194 χ^2/NDF: 974419.7/74


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: 290.507+/-1158.437 χ²/NDF:25.8/20
Right Out: -485.214+/-1437.465 χ²/NDF: 17.2/18
Left In: 422.678+/-1190.601 χ²/NDF:11.7/18
Left: 354.783+/-830.277 χ²/NDF: 37.5/39
Right: -848.531+/-1064.920 χ²/NDF: 31.6/34
In: -195.077+/-952.040 χ²/NDF:26.7/34
Out: -14.926+/-901.990 χ²/NDF:43.2/39
All: -100.142+/-654.783 χ²/NDF: 69.9/74



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4628.112+/-0.819 χ^2/NDF:973282.6/20

Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4593.551+/-0.842 χ^2/NDF:1094464.8/18

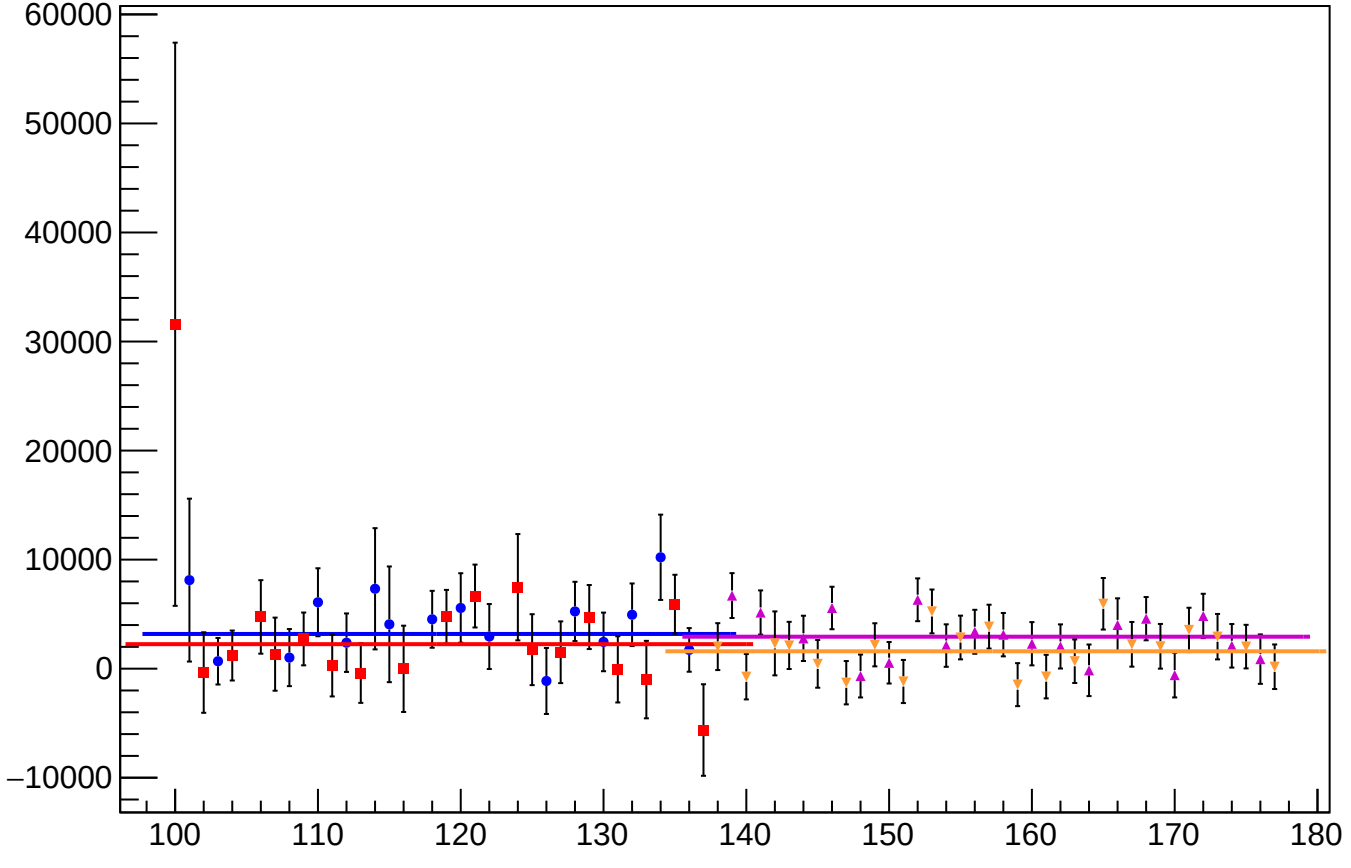
Left: 4611.305+/-0.587 χ^2/NDF: 2068613.1/39

Right: 3879.542+/-0.753 χ^2/NDF: 2387214.5/34

In: 4417.796+/-0.673 χ^2/NDF:2171460.7/34

Out: 4260.026+/-0.638 χ^2/NDF:2842757.2/39

All: 4334.655+/-0.463 χ^2/NDF: 5043161.6/74



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1593.497+/-453.068 χ^2/NDF:20.2/20

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 2931.740+/-468.445 χ^2/NDF:22.3/18

Left: 2240.293+/-325.668 χ^2/NDF: 46.7/39

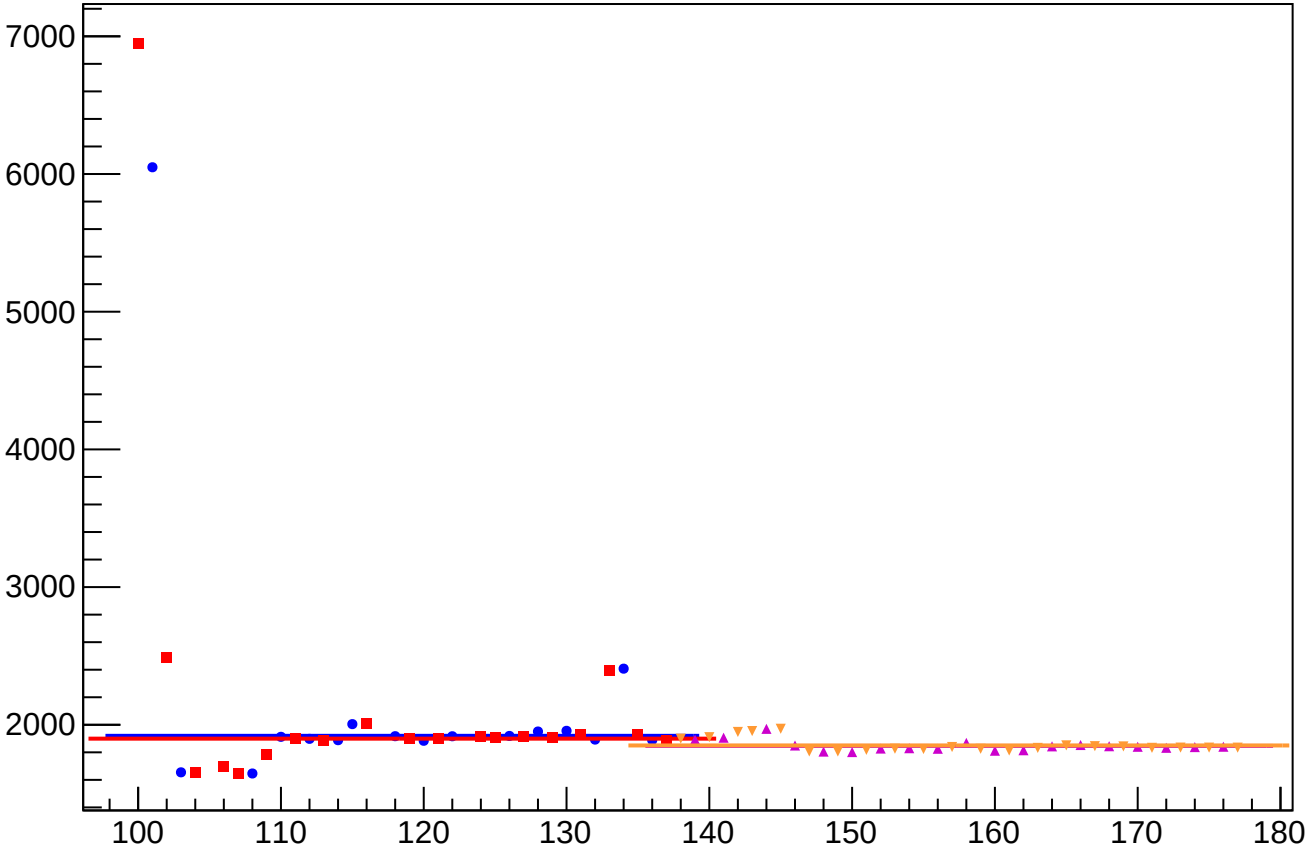
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3004.858+/-394.431 χ^2/NDF:34.0/34

Out: 1782.311+/-382.073 χ^2/NDF:37.3/39

All: 2374.134+/-274.431 χ^2/NDF: 76.3/74

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1849.919+/-0.320 χ^2/NDF:20603.7/20

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1846.348+/-0.331 χ^2/NDF:13907.1/18

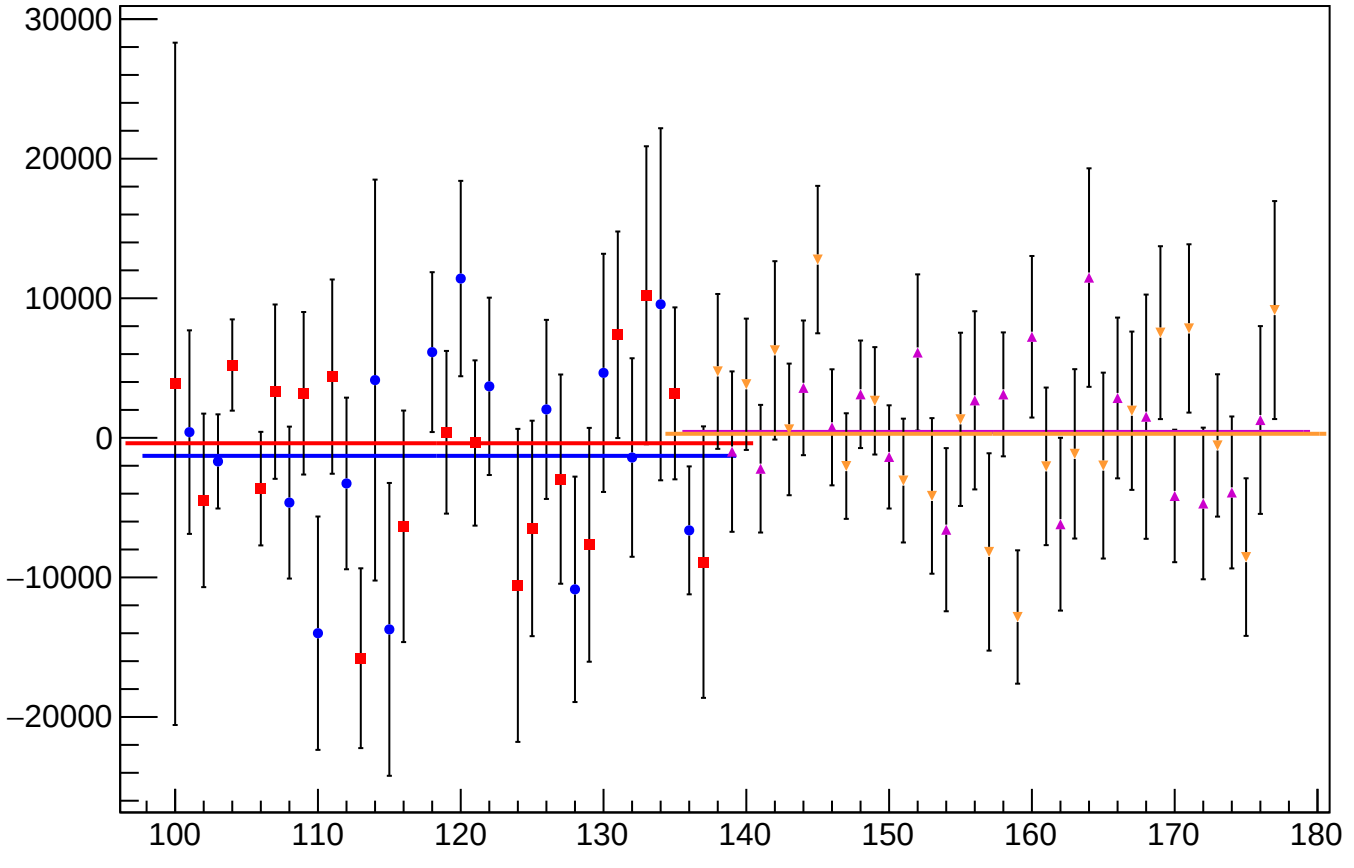
Left: 1848.193+/-0.230 χ^2/NDF: 34570.9/39

Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1867.733+/-0.279 χ^2/NDF:725559.3/34

Out: 1864.233+/-0.270 χ^2/NDF:243153.4/39

All: 1865.927+/-0.194 χ^2/NDF: 968794.0/74



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 290.490+/-1158.435 χ^2/NDF:25.8/20

Right Out: -387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: 422.696+/-1190.602 χ^2/NDF:11.7/18

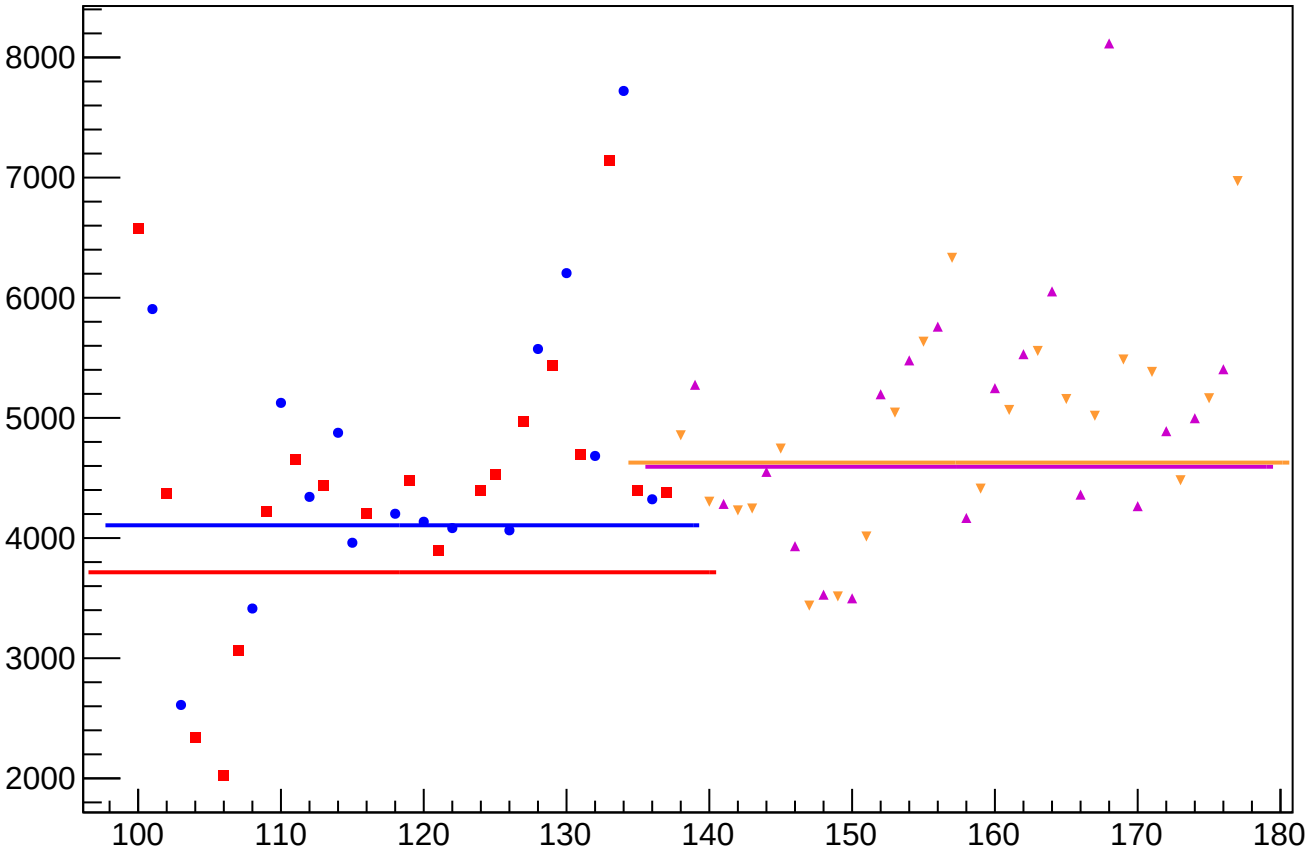
Left: 354.783+/-830.276 χ^2/NDF: 37.5/39

Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

In: -195.198+/-952.041 χ^2/NDF:26.7/34

Out: 26.635+/-905.434 χ^2/NDF:42.9/39

All: -78.719+/-656.097 χ^2/NDF: 69.7/74



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4628.101+/-0.819 χ^2/NDF:973300.9/20

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4593.554+/-0.842 χ^2/NDF:1094459.7/18

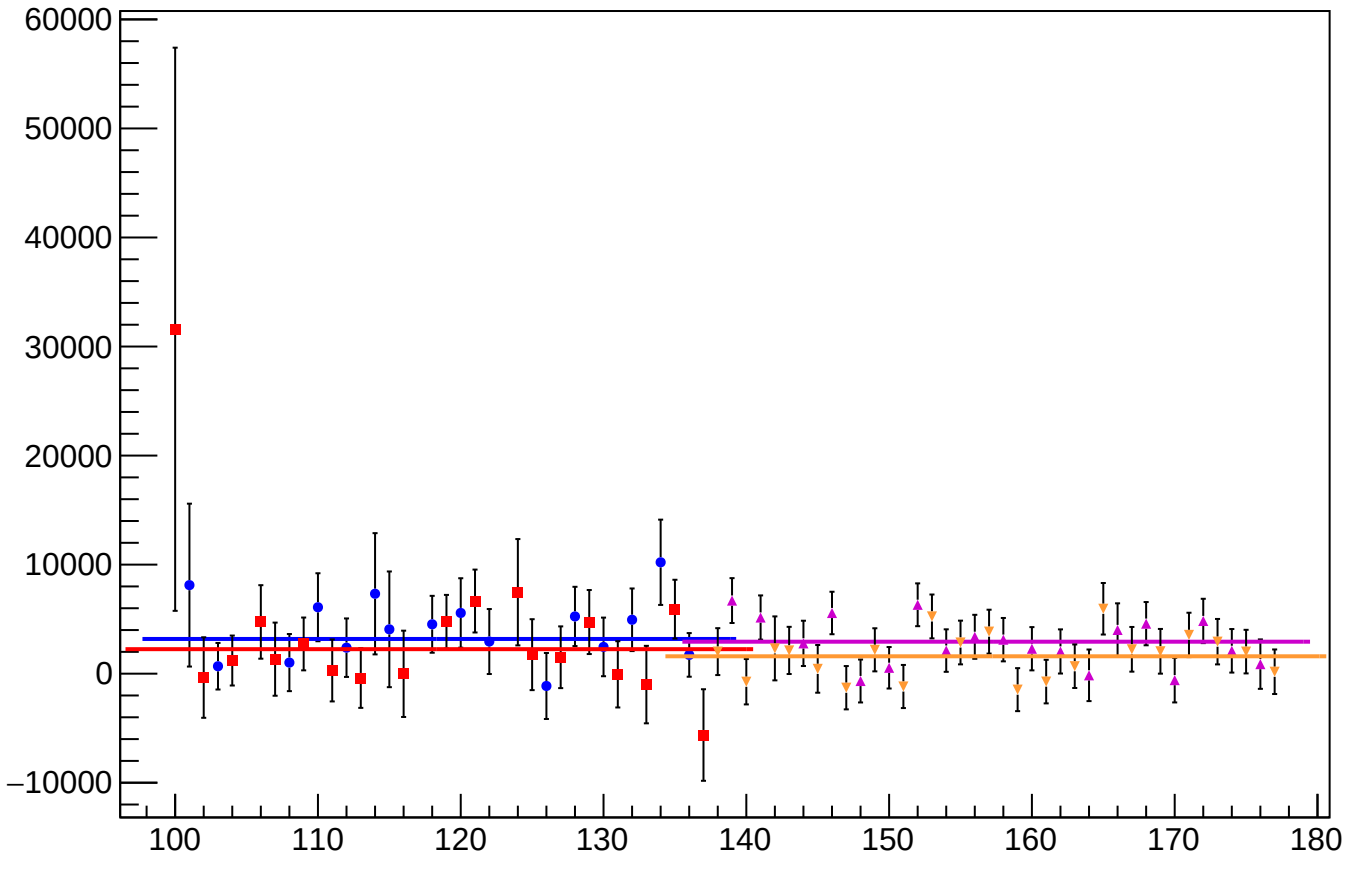
Left: 4611.301+/-0.587 χ^2/NDF: 2068625.6/39

Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4417.831+/-0.673 χ^2/NDF:2170911.6/34

Out: 4272.893+/-0.640 χ^2/NDF:2791675.7/39

All: 4341.727+/-0.464 χ^2/NDF: 4986926.6/74



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1593.497+/-453.068 χ^2/NDF:20.2/20

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 2931.740+/-468.445 χ^2/NDF:22.3/18

Left: 2240.293+/-325.668 χ^2/NDF: 46.7/39

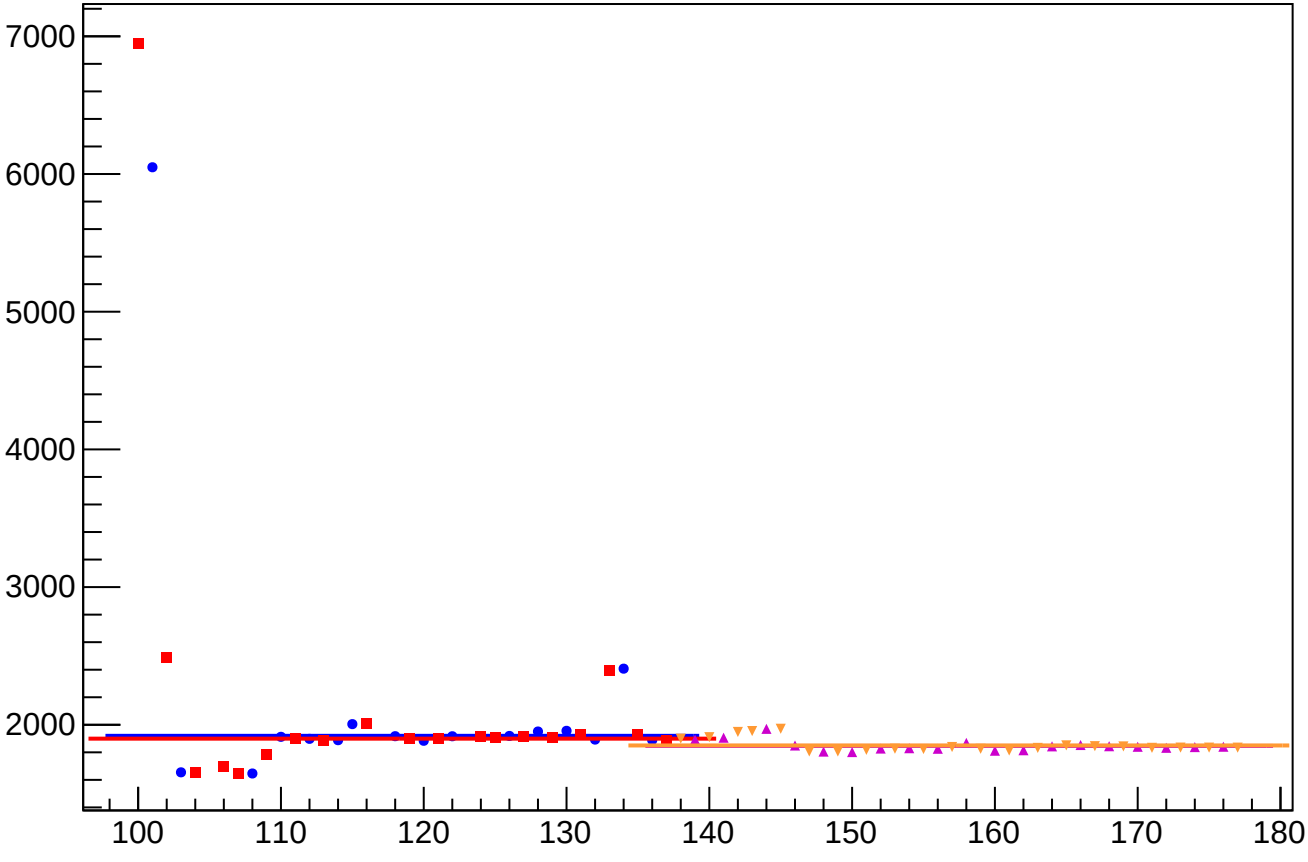
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3004.858+/-394.431 χ^2/NDF:34.0/34

Out: 1782.311+/-382.073 χ^2/NDF:37.3/39

All: 2374.134+/-274.431 χ^2/NDF: 76.3/74

eigen_cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1849.919+/-0.320 χ^2/NDF:20603.7/20

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1846.348+/-0.331 χ^2/NDF:13907.1/18

Left: 1848.193+/-0.230 χ^2/NDF: 34570.9/39

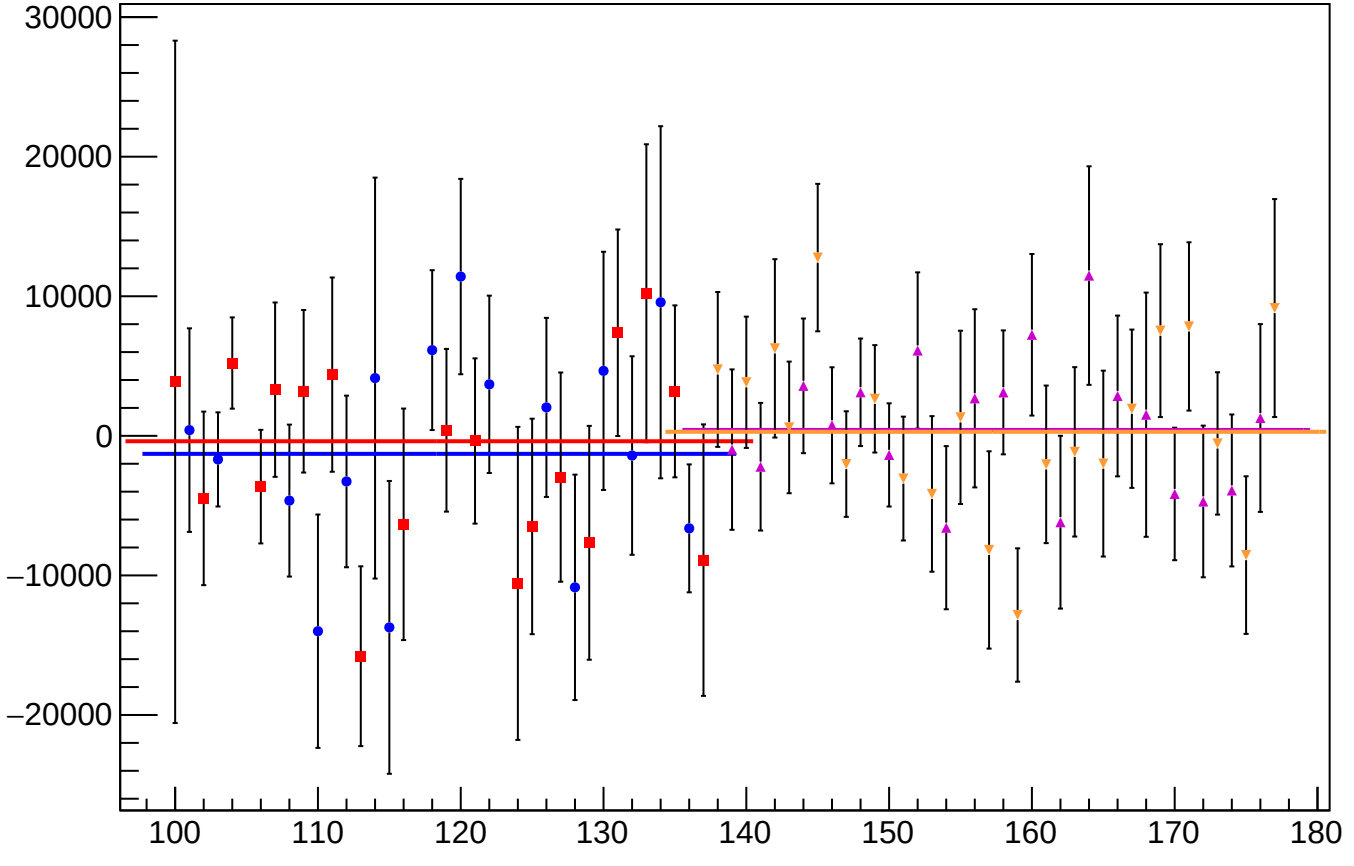
Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1867.733+/-0.279 χ^2/NDF:725559.3/34

Out: 1864.233+/-0.270 χ^2/NDF:243153.4/39

All: 1865.927+/-0.194 χ^2/NDF: 968794.0/74

asym_atr_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 290.490+/-1158.435 χ^2/NDF:25.8/20

Right Out: -387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: 422.696+/-1190.602 χ^2/NDF:11.7/18

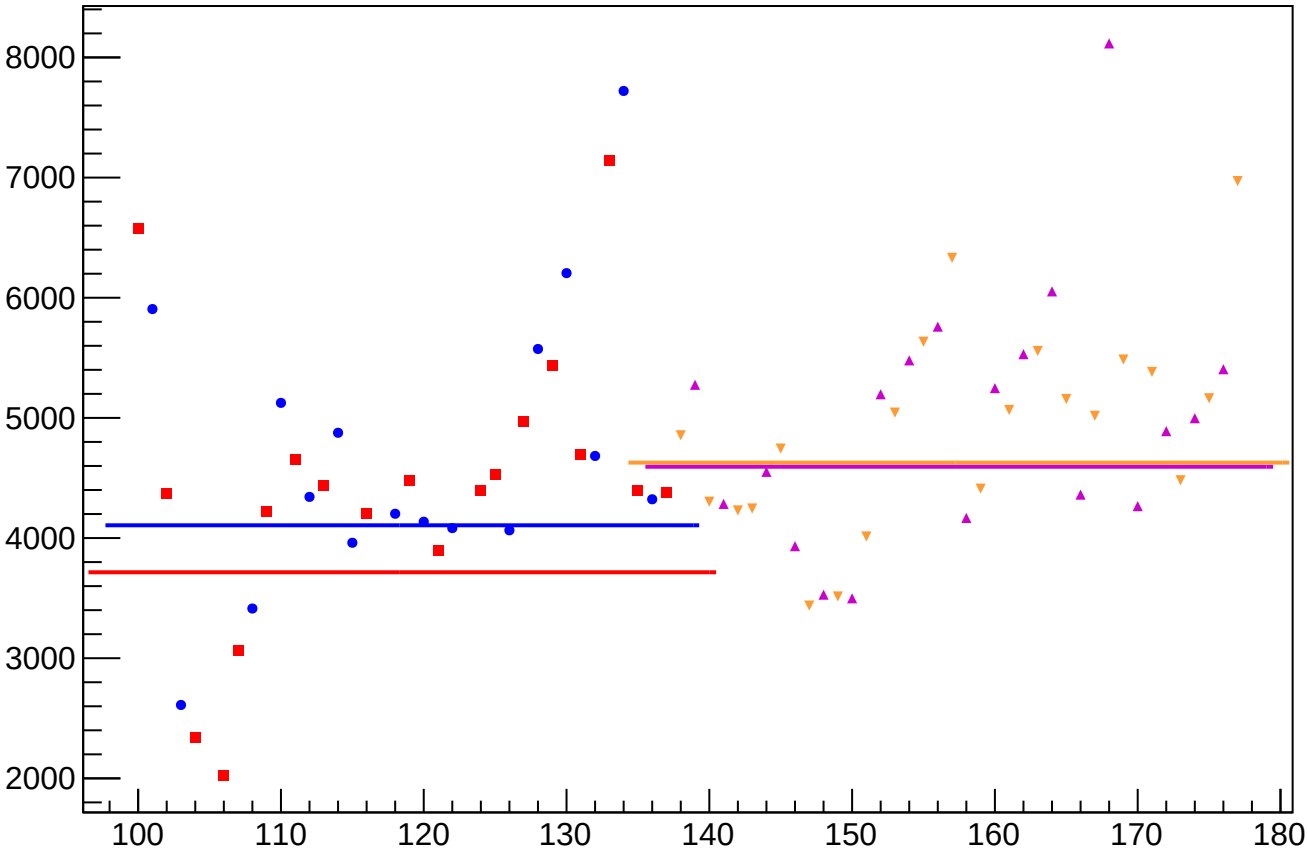
Left: 354.783+/-830.276 χ^2/NDF: 37.5/39

Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

In: -195.198+/-952.041 χ^2/NDF:26.7/34

Out: 26.635+/-905.434 χ^2/NDF:42.9/39

All: -78.719+/-656.097 χ^2/NDF: 69.7/74



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4628.101+/-0.819 χ^2/NDF:973300.9/20

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4593.554+/-0.842 χ^2/NDF:1094459.7/18

Left: 4611.301+/-0.587 χ^2/NDF: 2068625.6/39

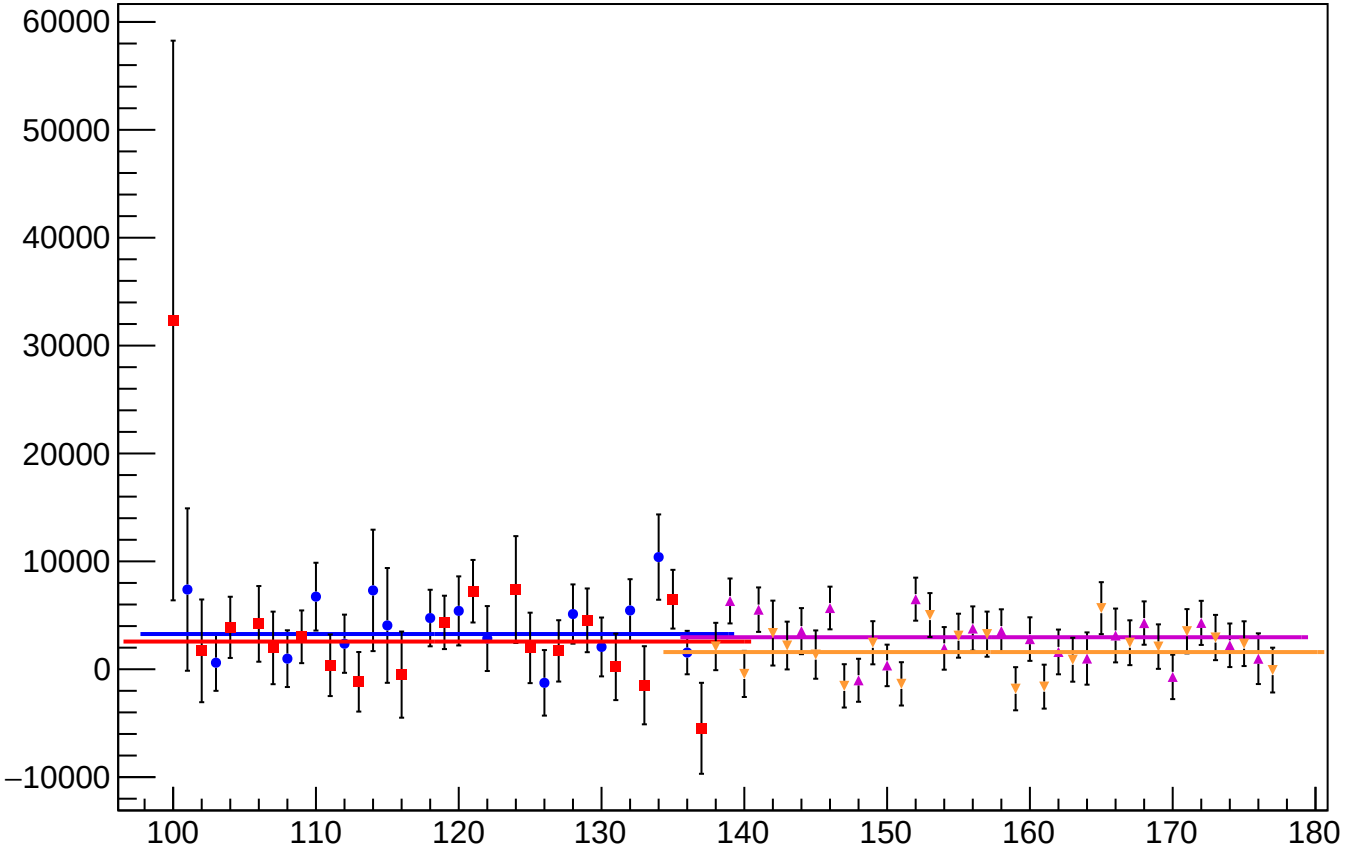
Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4417.831+/-0.673 χ^2/NDF:2170911.6/34

Out: 4272.893+/-0.640 χ^2/NDF:2791675.7/39

All: 4341.727+/-0.464 χ^2/NDF: 4986926.6/74

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1592.416+/-461.375 χ^2/NDF:20.8/20

Right Out: 2566.683+/-734.876 χ^2/NDF: 17.0/18

Left In: 2967.772+/-476.195 χ^2/NDF:21.6/18

Left: 2258.359+/-331.357 χ^2/NDF: 46.7/39

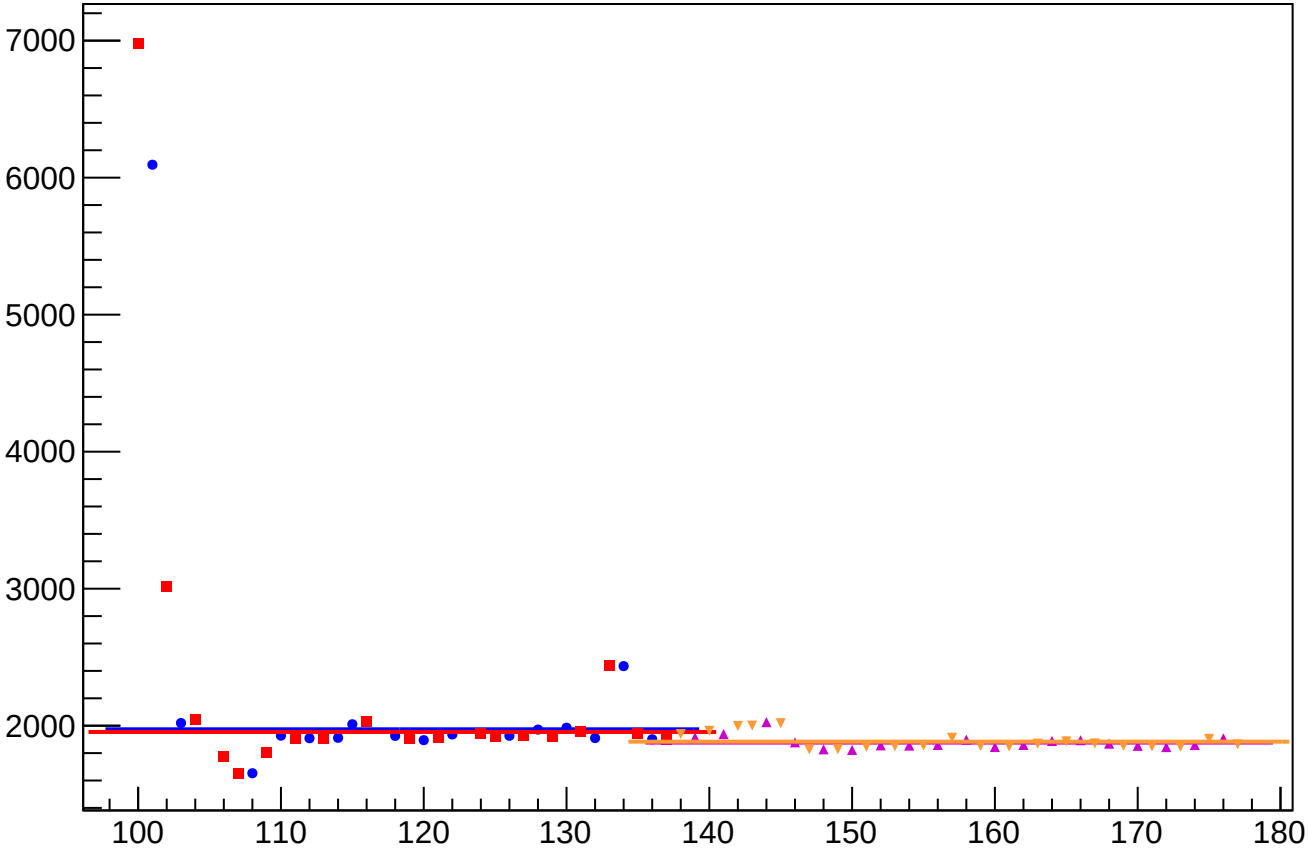
Right: 2908.151+/-525.197 χ^2/NDF: 29.6/34

In: 3052.924+/-402.142 χ^2/NDF:33.8/34

Out: 1867.867+/-390.748 χ^2/NDF:39.1/39

All: 2443.369+/-280.242 χ^2/NDF: 77.4/74

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1883.521+/-0.326 χ^2/NDF:28102.2/20

Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1876.681+/-0.337 χ^2/NDF:17963.4/18

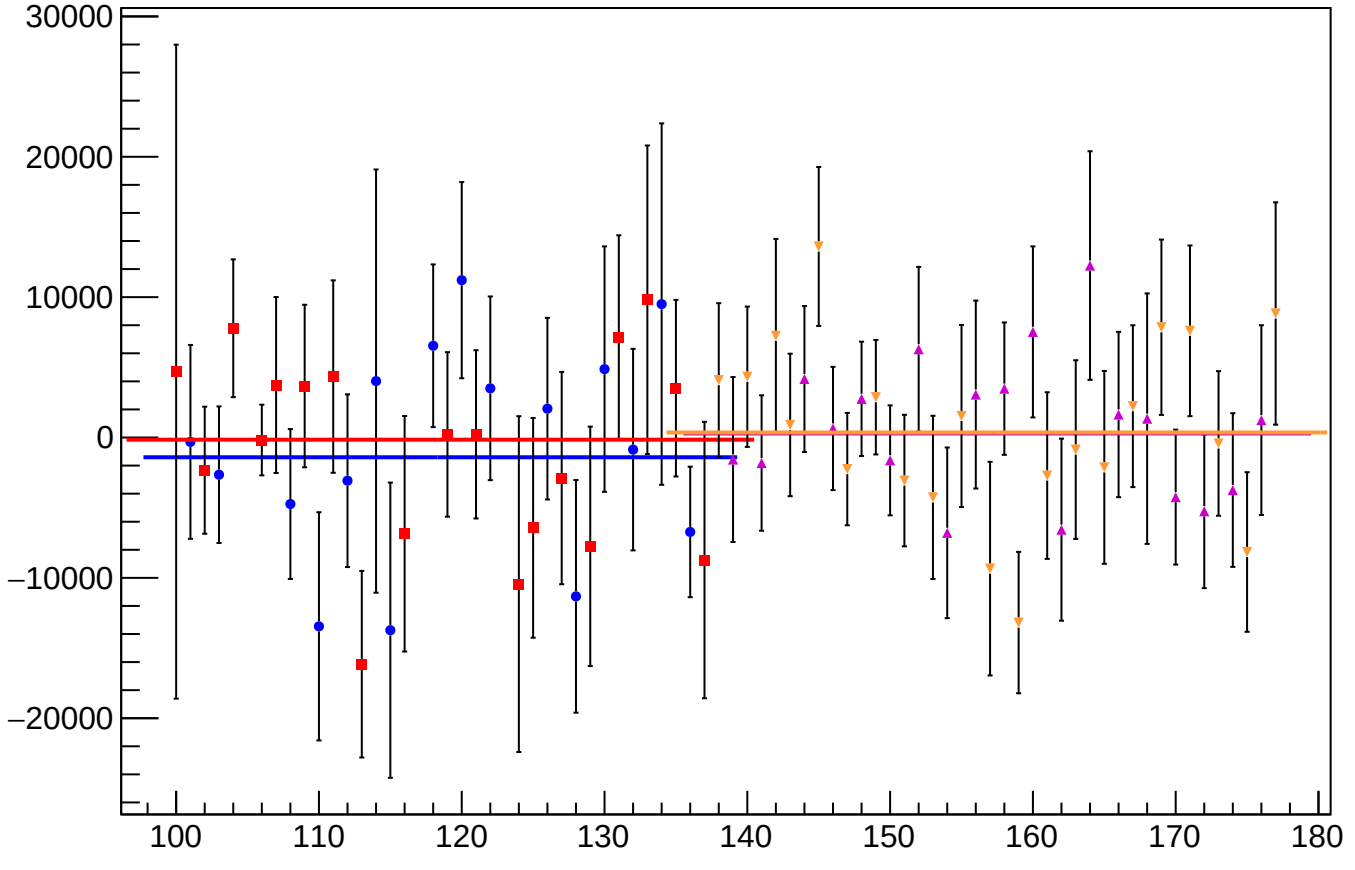
Left: 1880.209+/-0.234 χ^2/NDF: 46278.5/39

Right: 1963.826+/-0.371 χ^2/NDF: 912018.7/34

In: 1904.523+/-0.284 χ^2/NDF:706924.1/34

Out: 1903.569+/-0.276 χ^2/NDF:287652.3/39

All: 1904.032+/-0.198 χ^2/NDF: 994582.2/74



Right In: -1407.382+/-1689.989 χ^2/NDF: 14.2/15

Left Out: 358.439+/-1209.129 χ^2/NDF:25.3/20

Right Out: -155.271+/-1363.642 χ^2/NDF: 15.8/18

Left In: 287.509+/-1241.655 χ^2/NDF:11.7/18

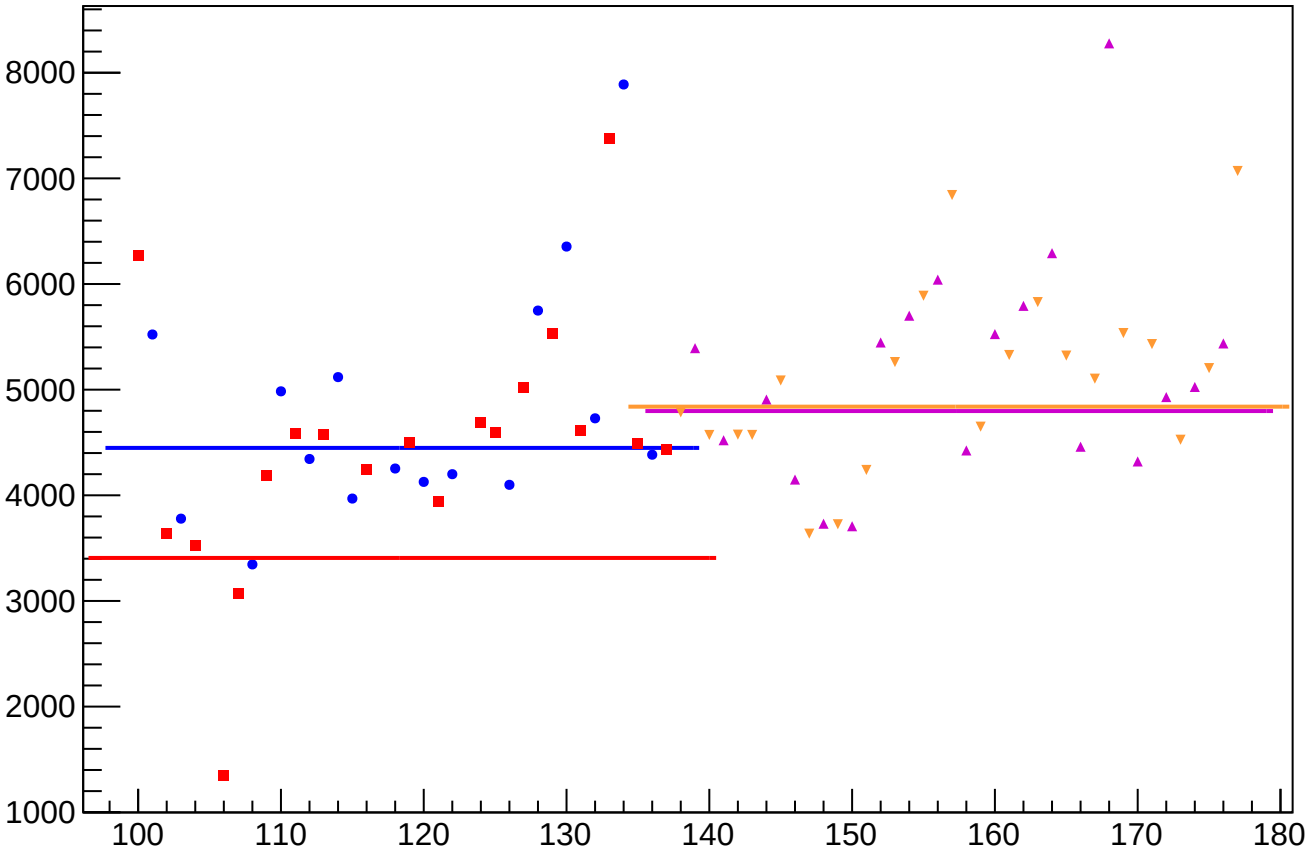
Left: 323.915+/-866.254 χ^2/NDF: 37.0/39

Right: -649.023+/-1061.247 χ^2/NDF: 30.4/34

In: -306.662+/-1000.619 χ^2/NDF:26.6/34

Out: 132.325+/-904.701 χ^2/NDF:41.1/39

All: -65.125+/-671.075 χ^2/NDF: 67.8/74



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4839.131+/-0.855 χ^2/NDF:878910.9/20

Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

Left In: 4797.503+/-0.878 χ^2/NDF:1009846.8/18

Left: 4818.869+/-0.613 χ^2/NDF: 1889911.5/39

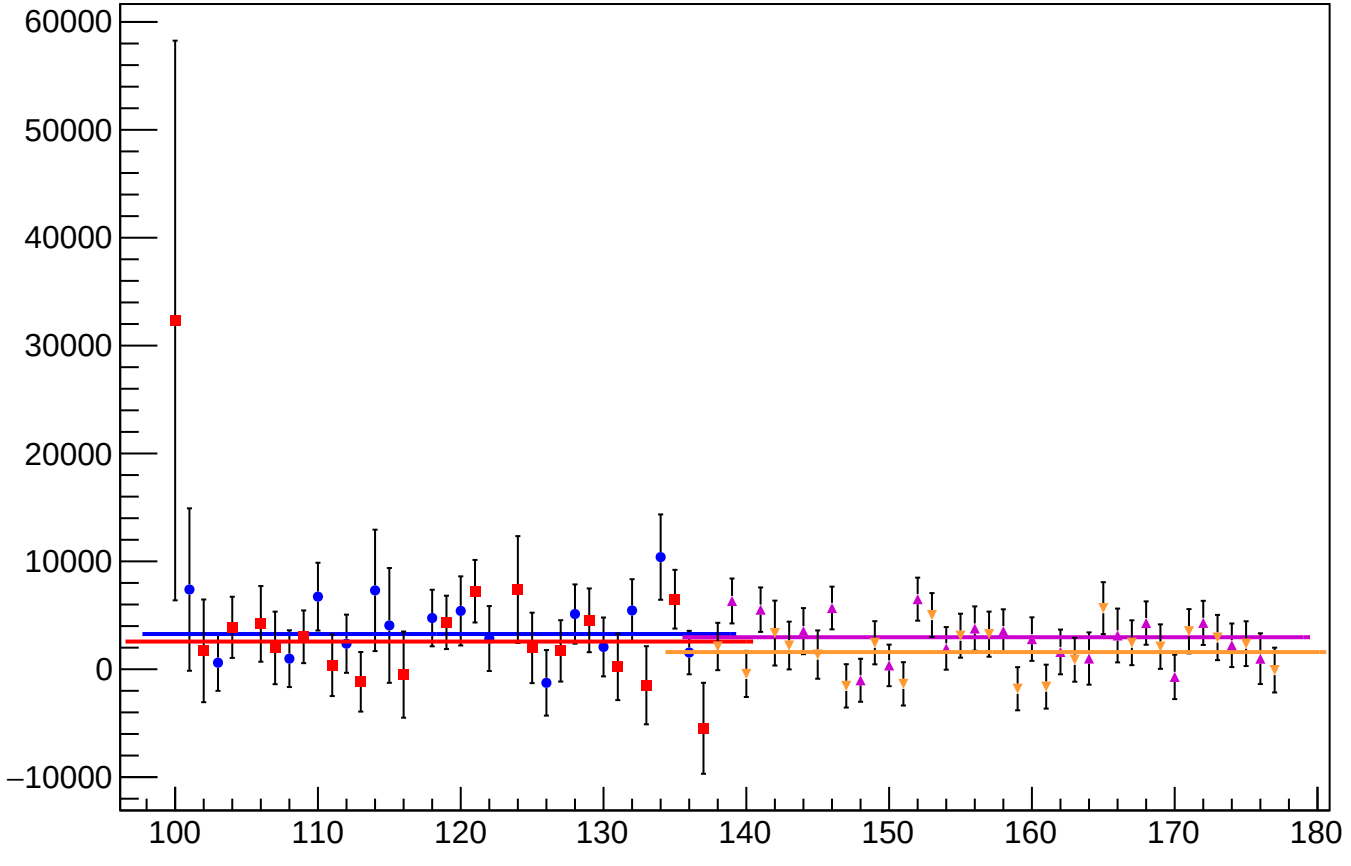
Right: 3817.861+/-0.750 χ^2/NDF: 3280806.0/34

In: 4675.229+/-0.708 χ^2/NDF:1559786.7/34

Out: 4208.822+/-0.640 χ^2/NDF:4439729.6/39

All: 4418.605+/-0.475 χ^2/NDF: 6238602.0/74

eigen_dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1592.411+/-461.375 χ^2/NDF:20.8/20

Right Out: 2566.689+/-734.875 χ^2/NDF: 17.0/18

Left In: 2967.774+/-476.195 χ^2/NDF:21.6/18

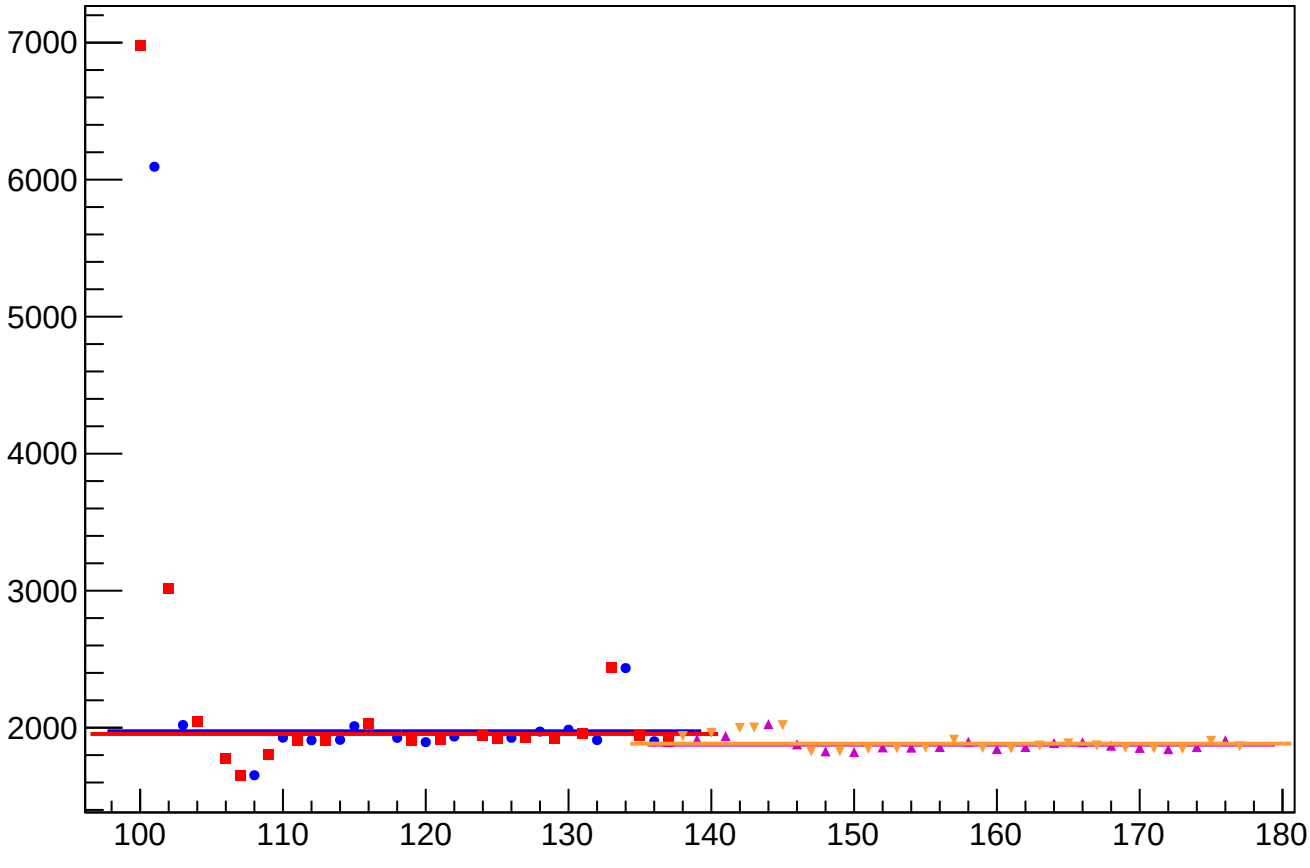
Left: 2258.358+/-331.357 χ^2/NDF: 46.7/39

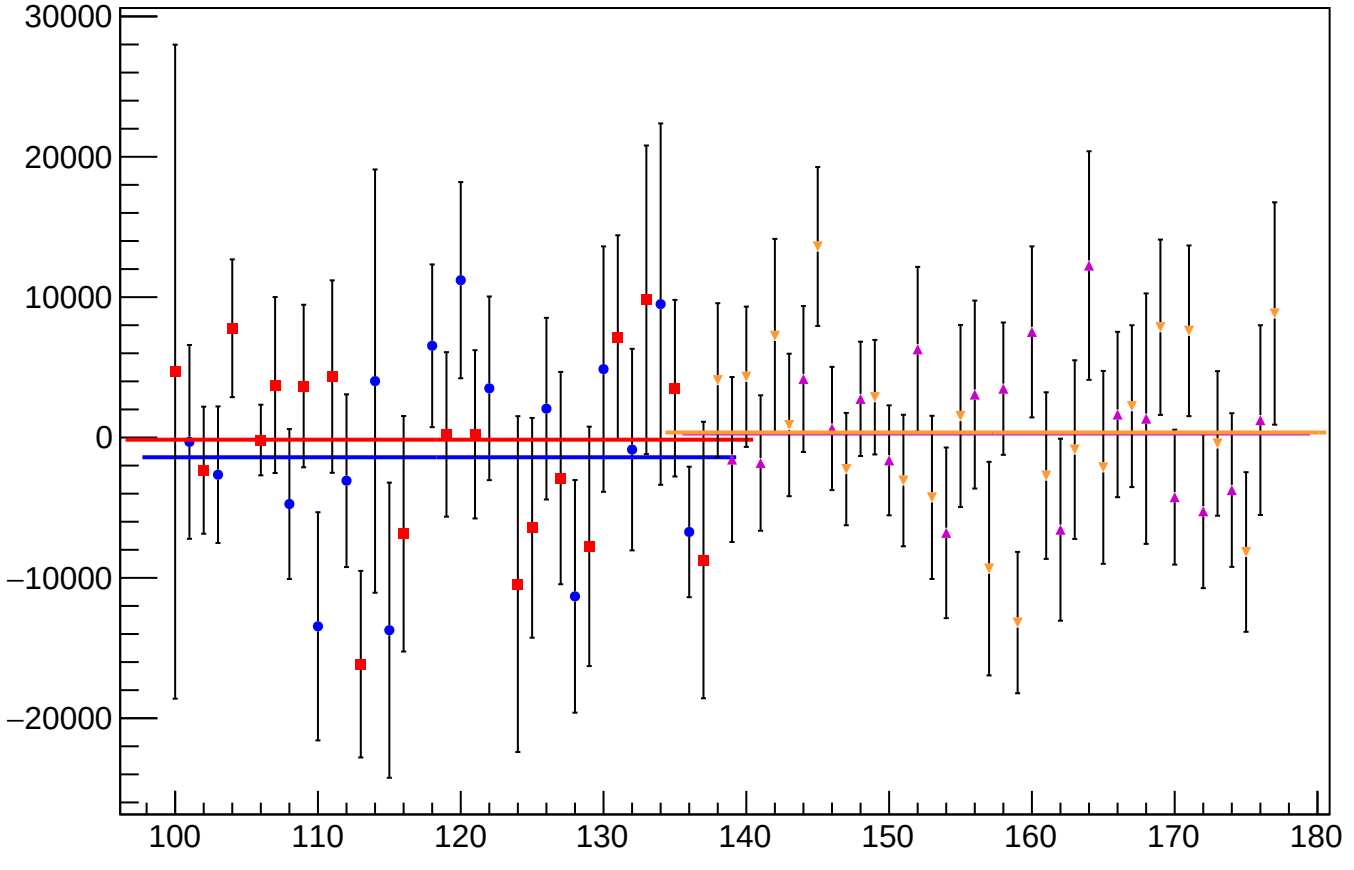
Right: 2908.156+/-525.197 χ^2/NDF: 29.6/34

In: 3052.928+/-402.142 χ^2/NDF:33.8/34

Out: 1867.865+/-390.748 χ^2/NDF:39.1/39

All: 2443.370+/-280.242 χ^2/NDF: 77.4/74


eigen_dit_asym_atr_avg_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
Right In: 1973.748+/-0.531 χ²/NDF: 665124.2/15
Left Out: 1883.522+/-0.326 χ²/NDF:28102.3/20
Right Out: 1954.339+/-0.519 χ²/NDF: 246210.8/18
Left In: 1876.682+/-0.337 χ²/NDF:17963.4/18
Left: 1880.210+/-0.234 χ²/NDF: 46278.6/39
Right: 1963.826+/-0.371 χ²/NDF: 912018.2/34
In: 1904.524+/-0.284 χ²/NDF:706923.5/34
Out: 1903.569+/-0.276 χ²/NDF:287651.5/39
All: 1904.033+/-0.198 χ²/NDF: 994580.8/74



Right In: -1407.363+/-1689.986 χ^2/NDF: 14.2/15

Left Out: 358.436+/-1209.130 χ^2/NDF:25.3/20

Right Out: -155.272+/-1363.639 χ^2/NDF: 15.8/18

Left In: 287.507+/-1241.657 χ^2/NDF:11.7/18

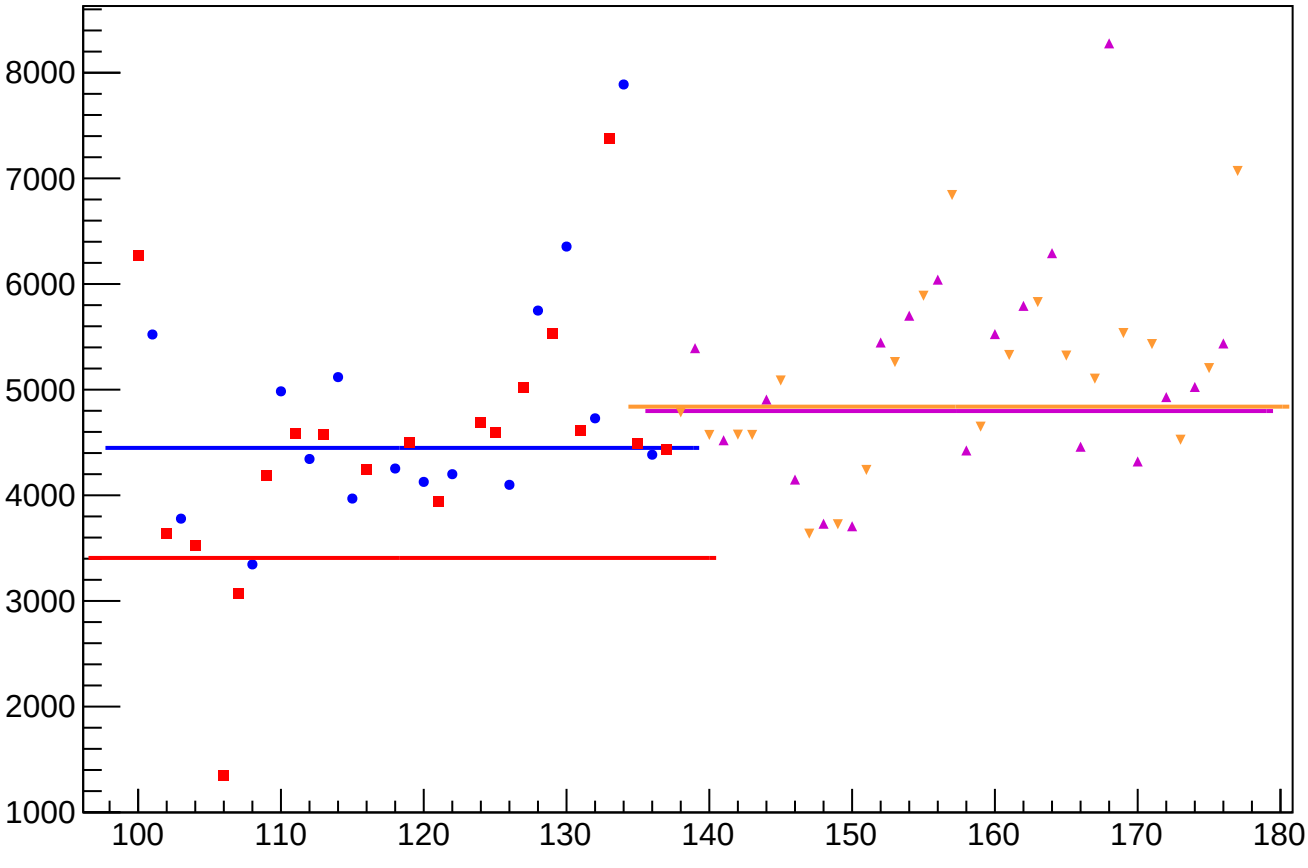
Left: 323.913+/-866.255 χ^2/NDF: 37.0/39

Right: -649.016+/-1061.245 χ^2/NDF: 30.4/34

In: -306.659+/-1000.619 χ^2/NDF:26.6/34

Out: 132.322+/-904.701 χ^2/NDF:41.1/39

All: -65.125+/-671.075 χ^2/NDF: 67.8/74



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4839.138+/-0.855 χ^2/NDF:878910.7/20

Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 4797.510+/-0.878 χ^2/NDF:1009847.1/18

Left: 4818.877+/-0.613 χ^2/NDF: 1889911.6/39

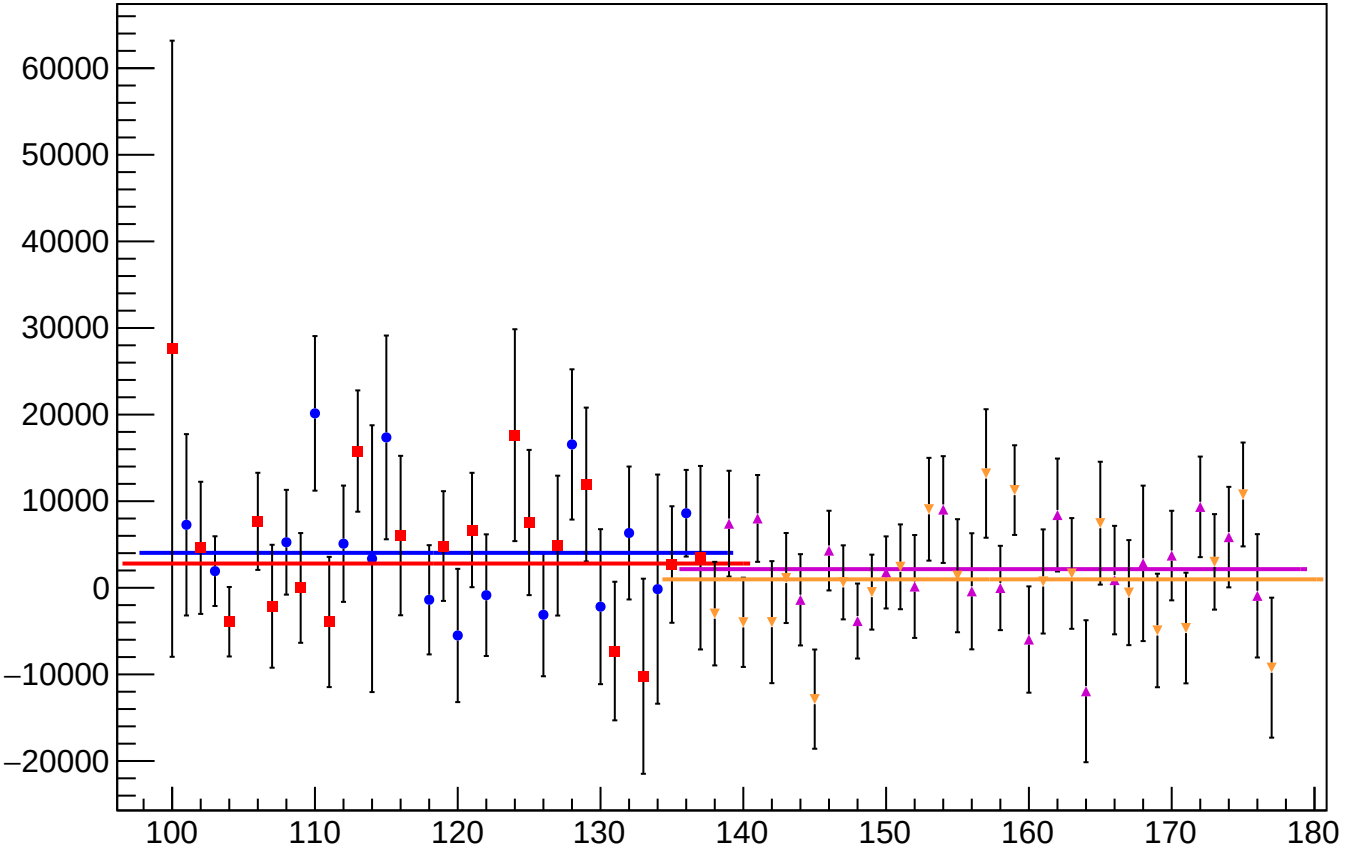
Right: 3817.853+/-0.750 χ^2/NDF: 3280809.4/34

In: 4675.230+/-0.708 χ^2/NDF:1559788.6/34

Out: 4208.820+/-0.640 χ^2/NDF:4439761.7/39

All: 4418.605+/-0.475 χ^2/NDF: 6238639.7/74

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: 976.582+/-1256.612 χ^2/NDF:23.3/20

Right Out: 2800.547+/-1671.877 χ^2/NDF: 15.4/18

Left In: 2154.165+/-1291.729 χ^2/NDF:14.3/18

Left: 1549.149+/-900.718 χ^2/NDF: 38.1/39

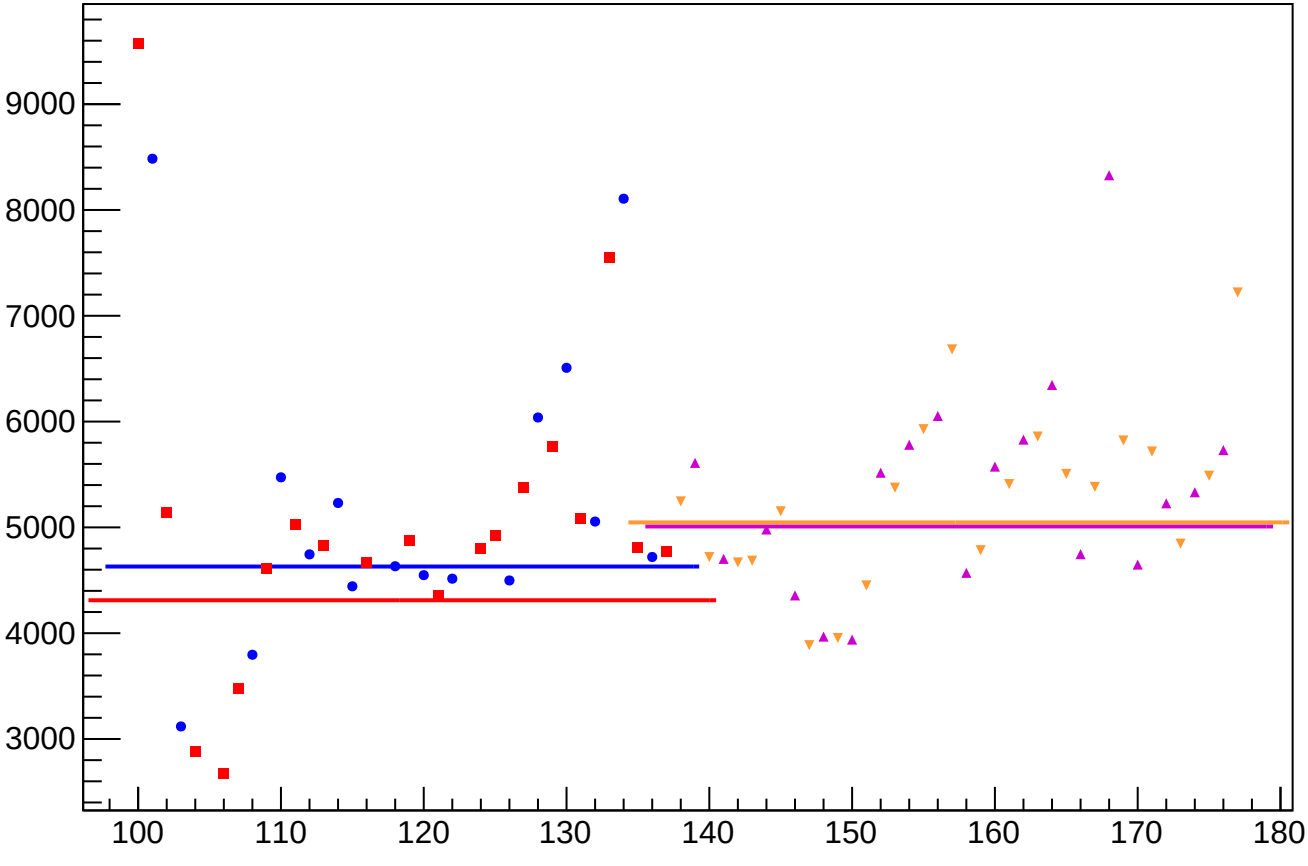
Right: 3378.243+/-1219.278 χ^2/NDF: 28.0/34

In: 2801.864+/-1045.865 χ^2/NDF:27.4/34

Out: 1635.022+/-1004.509 χ^2/NDF:39.5/39

All: 2194.917+/-724.475 χ^2/NDF: 67.5/74

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 5047.147+/-0.889 χ^2/NDF:737600.7/20

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

Left In: 5008.726+/-0.913 χ^2/NDF:843620.2/18

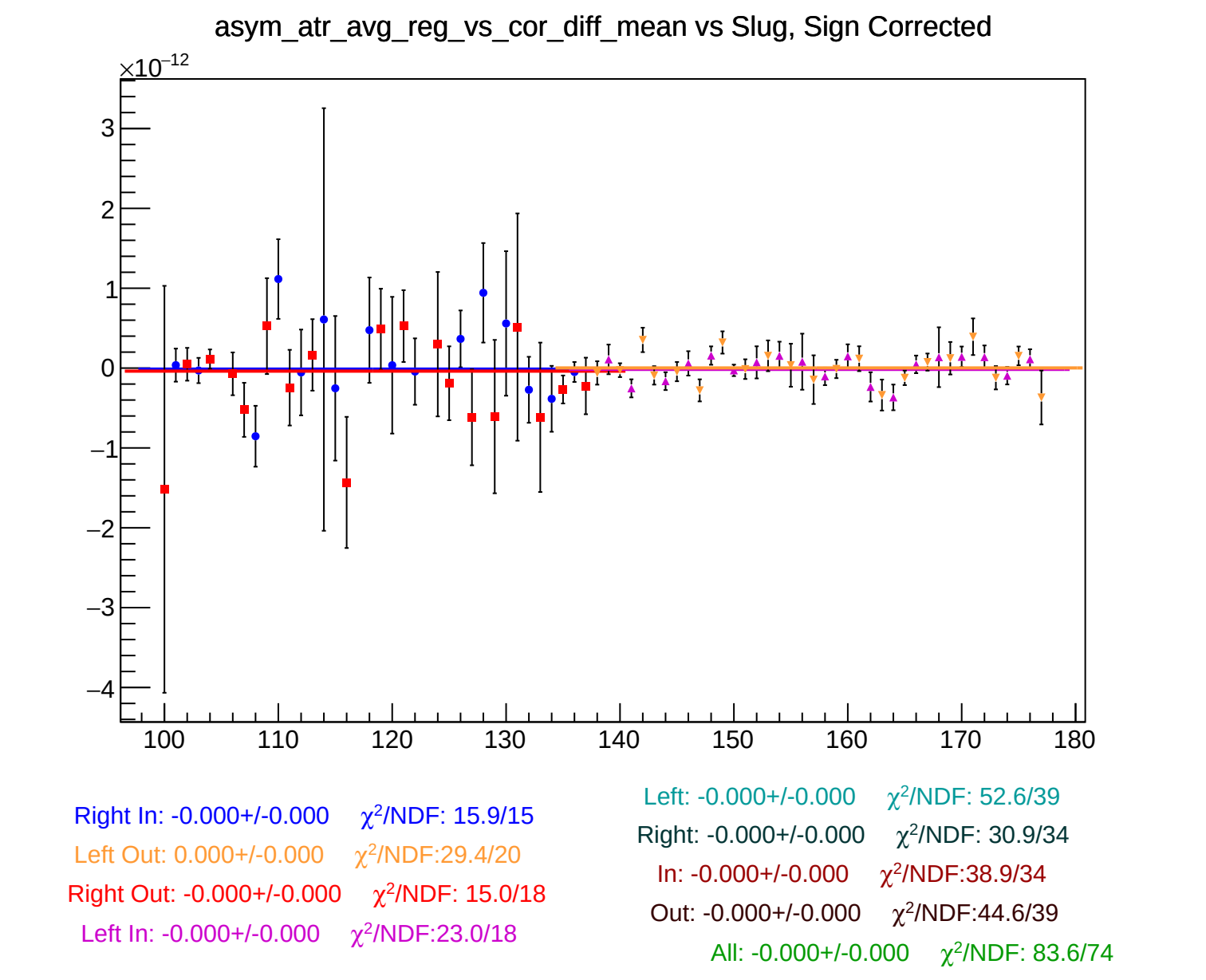
Left: 5028.466+/-0.637 χ^2/NDF: 1582129.9/39

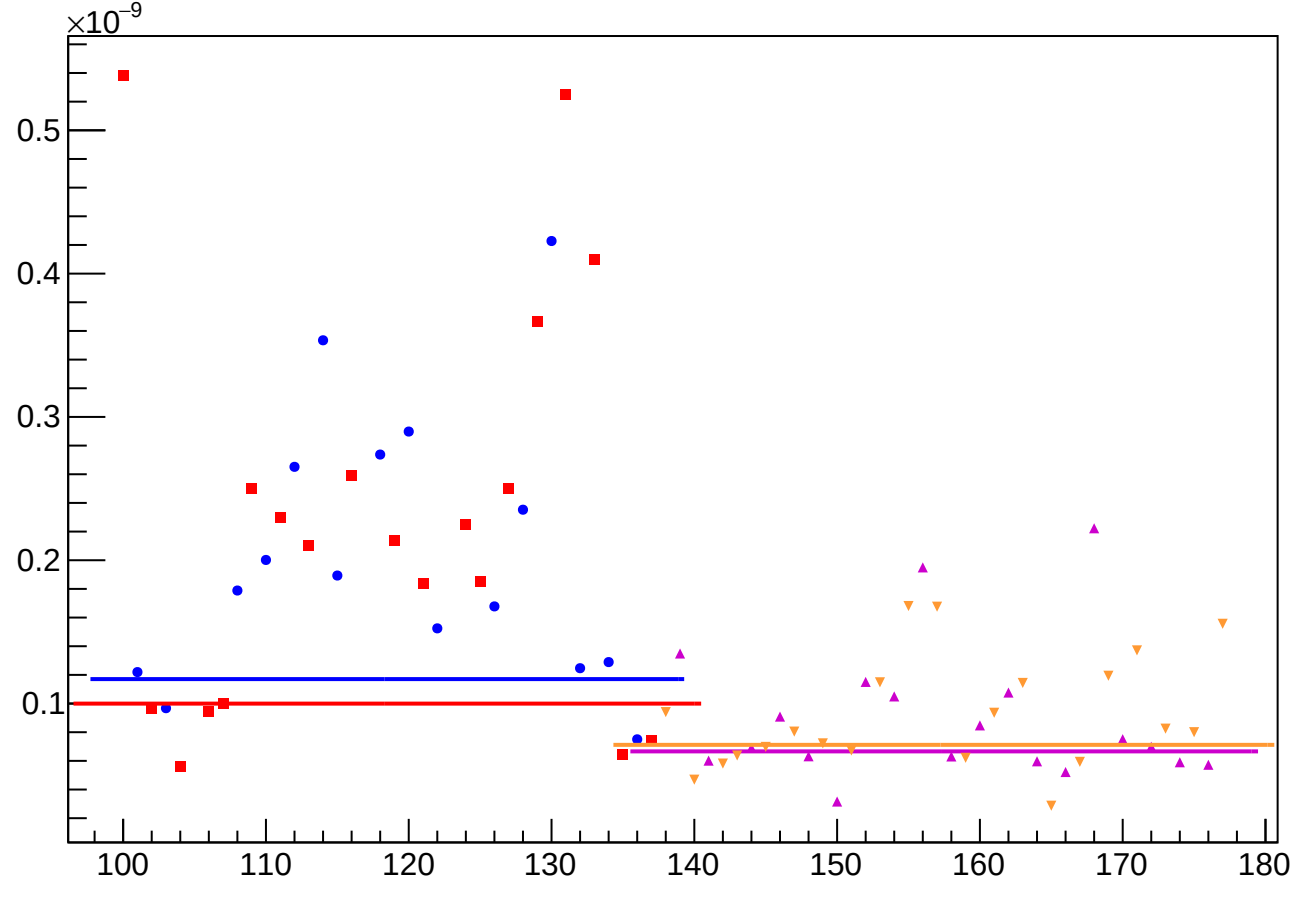
Right: 4459.059+/-0.858 χ^2/NDF: 1839292.8/34

In: 4878.264+/-0.740 χ^2/NDF:1803095.3/34

Out: 4778.524+/-0.708 χ^2/NDF:1892721.6/39

All: 4826.226+/-0.511 χ^2/NDF: 3705307.0/74


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:29.4/20
Right Out: -0.000+/-0.000 χ²/NDF: 15.0/18
Left In: -0.000+/-0.000 χ²/NDF:23.0/18
Left: -0.000+/-0.000 χ²/NDF: 52.6/39
Right: -0.000+/-0.000 χ²/NDF: 30.9/34
In: -0.000+/-0.000 χ²/NDF:38.9/34
Out: -0.000+/-0.000 χ²/NDF:44.6/39
All: -0.000+/-0.000 χ²/NDF: 83.6/74



Right In: 0.000+/-0.000 χ^2/NDF: 1100462.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1839760.6/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1844111.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1828564.3/18

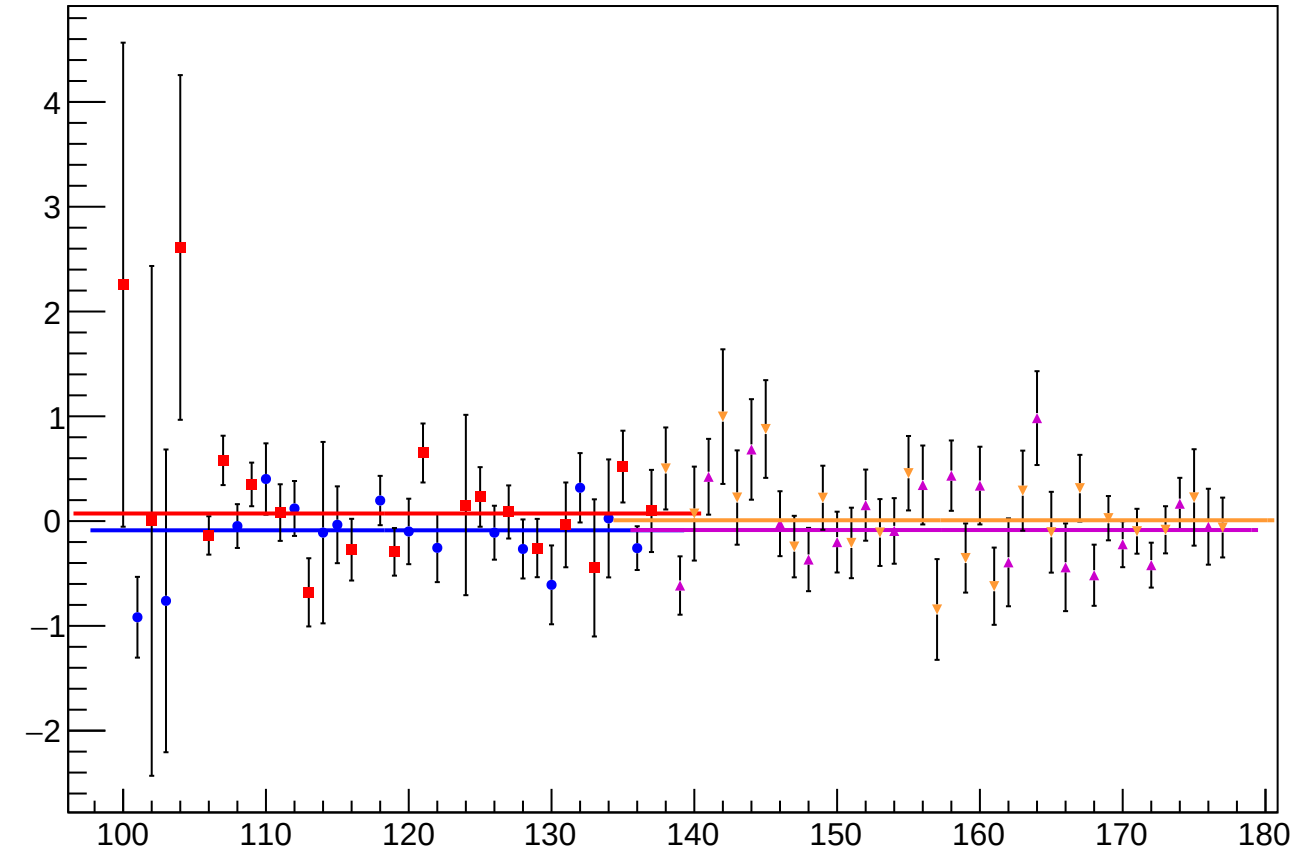
Left: 0.000+/-0.000 χ^2/NDF: 3691377.8/39

Right: 0.000+/-0.000 χ^2/NDF: 2997940.6/34

In: 0.000+/-0.000 χ^2/NDF:3700793.7/34

Out: 0.000+/-0.000 χ^2/NDF:3951704.3/39

All: 0.000+/-0.000 χ^2/NDF: 7656812.0/74



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.008+/-0.071 χ^2/NDF:20.6/20

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.085+/-0.072 χ^2/NDF:27.7/18

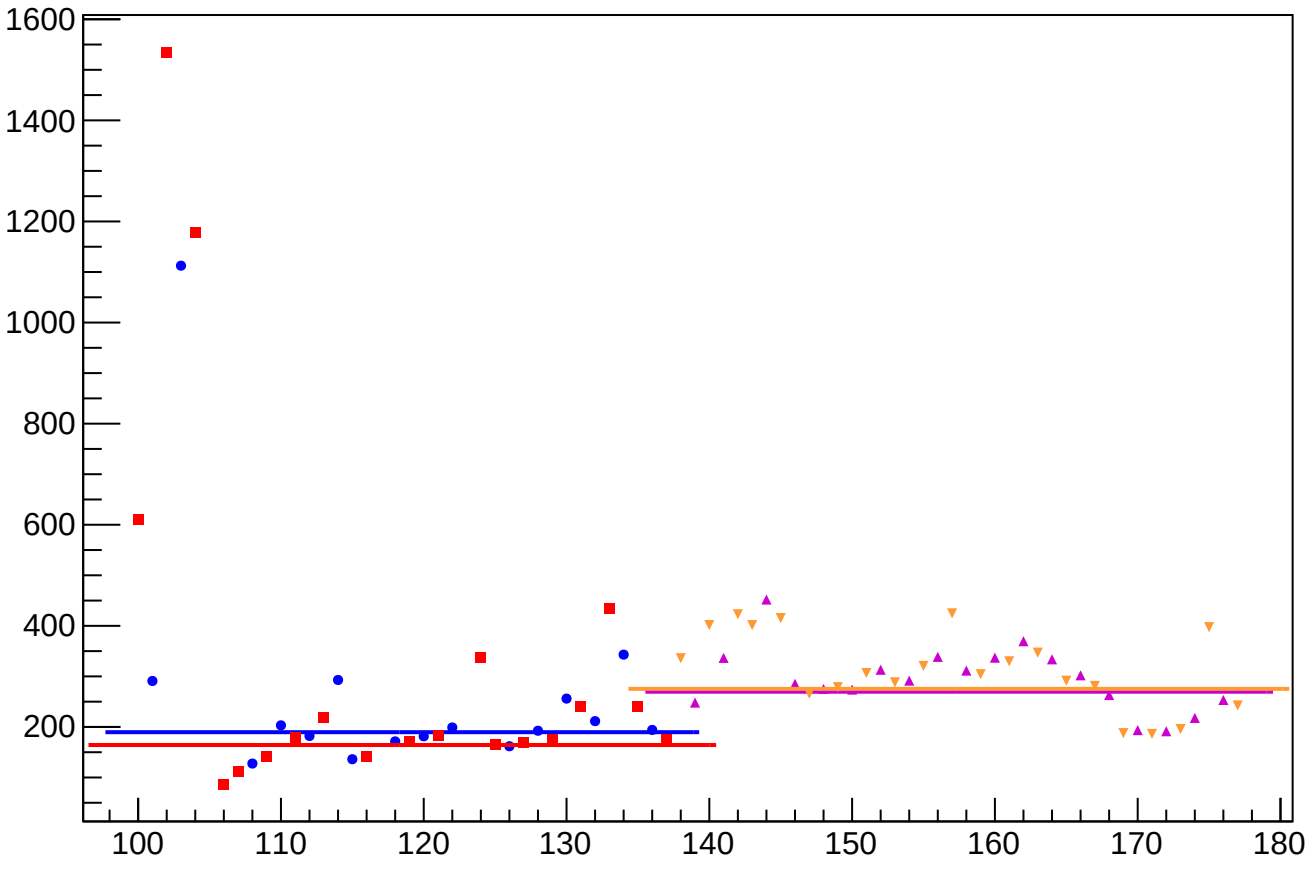
Left: -0.038+/-0.050 χ^2/NDF: 49.2/39

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.087+/-0.052 χ^2/NDF:41.6/34

Out: 0.041+/-0.050 χ^2/NDF:49.7/39

All: -0.020+/-0.036 χ^2/NDF: 94.3/74



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 275.372+/-0.050 χ^2/NDF:2137604.8/20

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 269.641+/-0.051 χ^2/NDF:1348511.7/18

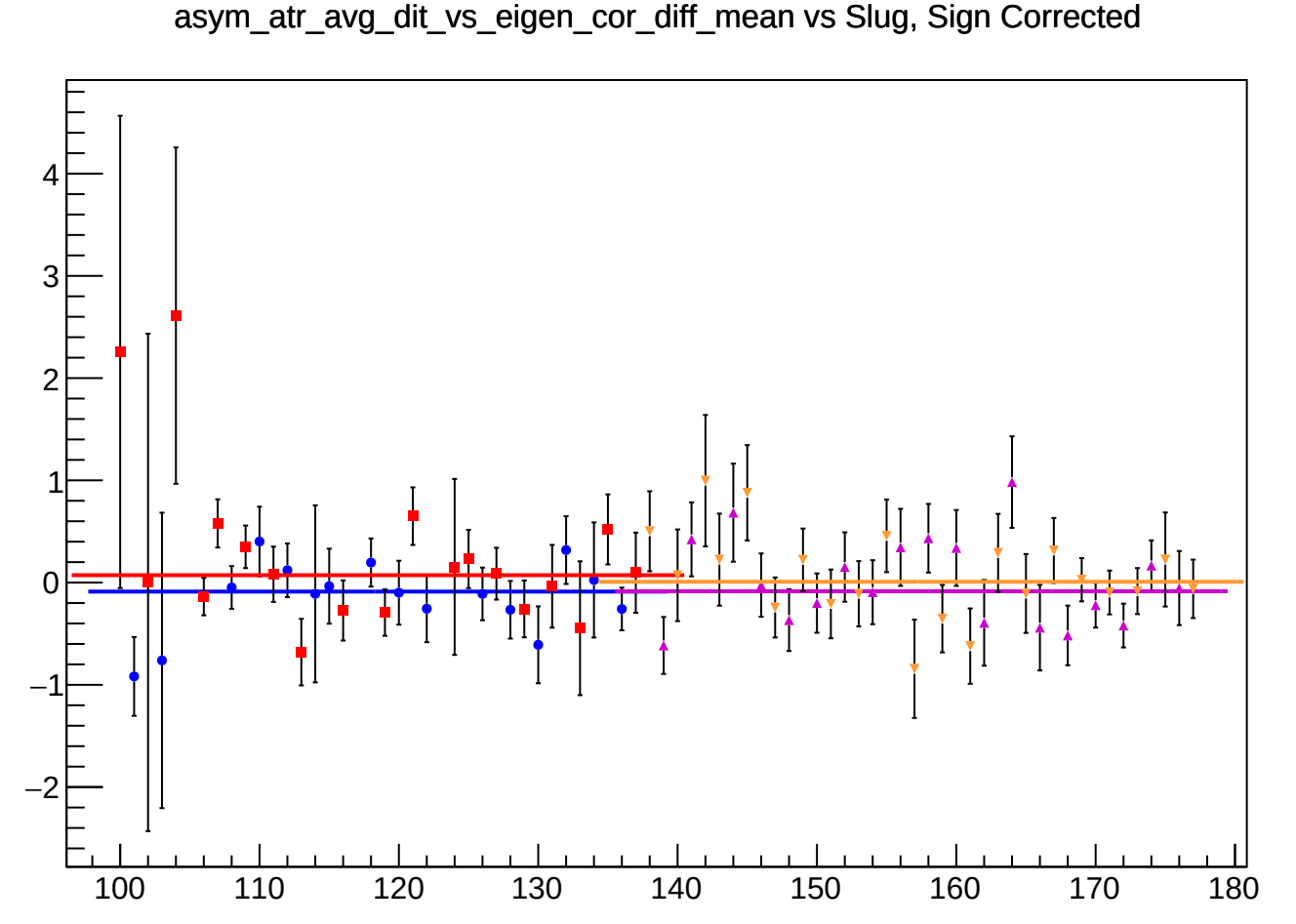
Left: 272.526+/-0.036 χ^2/NDF: 3492562.5/39

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 232.408+/-0.037 χ^2/NDF:3975586.6/34

Out: 218.941+/-0.035 χ^2/NDF:7258192.8/39

All: 225.350+/-0.026 χ^2/NDF: 11303092.8/74



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.008+/-0.071 χ^2/NDF:20.6/20

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.085+/-0.072 χ^2/NDF:27.7/18

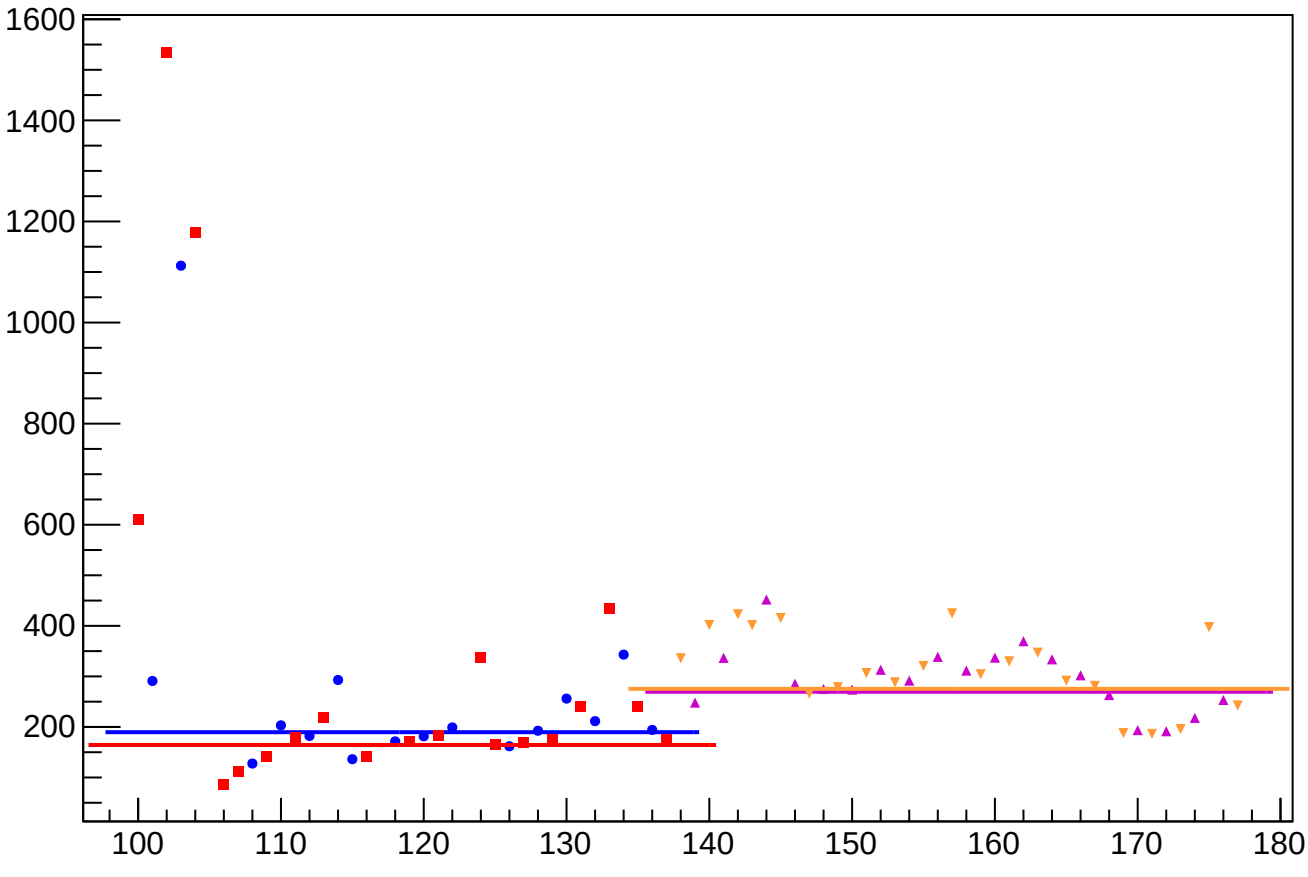
Left: -0.038+/-0.050 χ^2/NDF: 49.2/39

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.087+/-0.052 χ^2/NDF:41.6/34

Out: 0.041+/-0.050 χ^2/NDF:49.7/39

All: -0.020+/-0.036 χ^2/NDF: 94.3/74



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 275.372+/-0.050 χ^2/NDF:2137604.8/20

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 269.641+/-0.051 χ^2/NDF:1348511.7/18

Left: 272.526+/-0.036 χ^2/NDF: 3492562.5/39

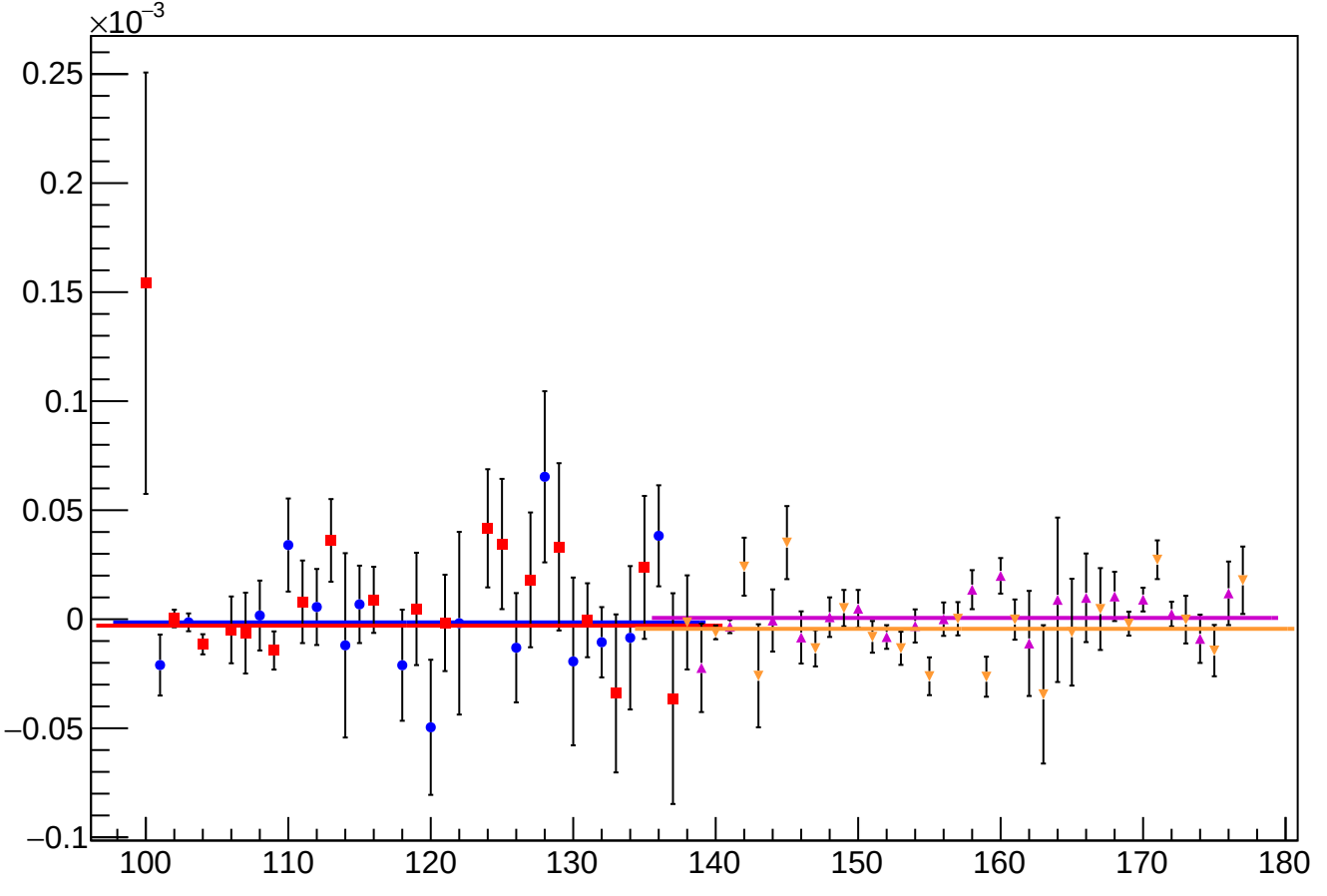
Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 232.408+/-0.037 χ^2/NDF:3975586.6/34

Out: 218.941+/-0.035 χ^2/NDF:7258192.8/39

All: 225.350+/-0.026 χ^2/NDF: 11303092.8/74

asym_atr_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:45.0/20

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:19.3/18

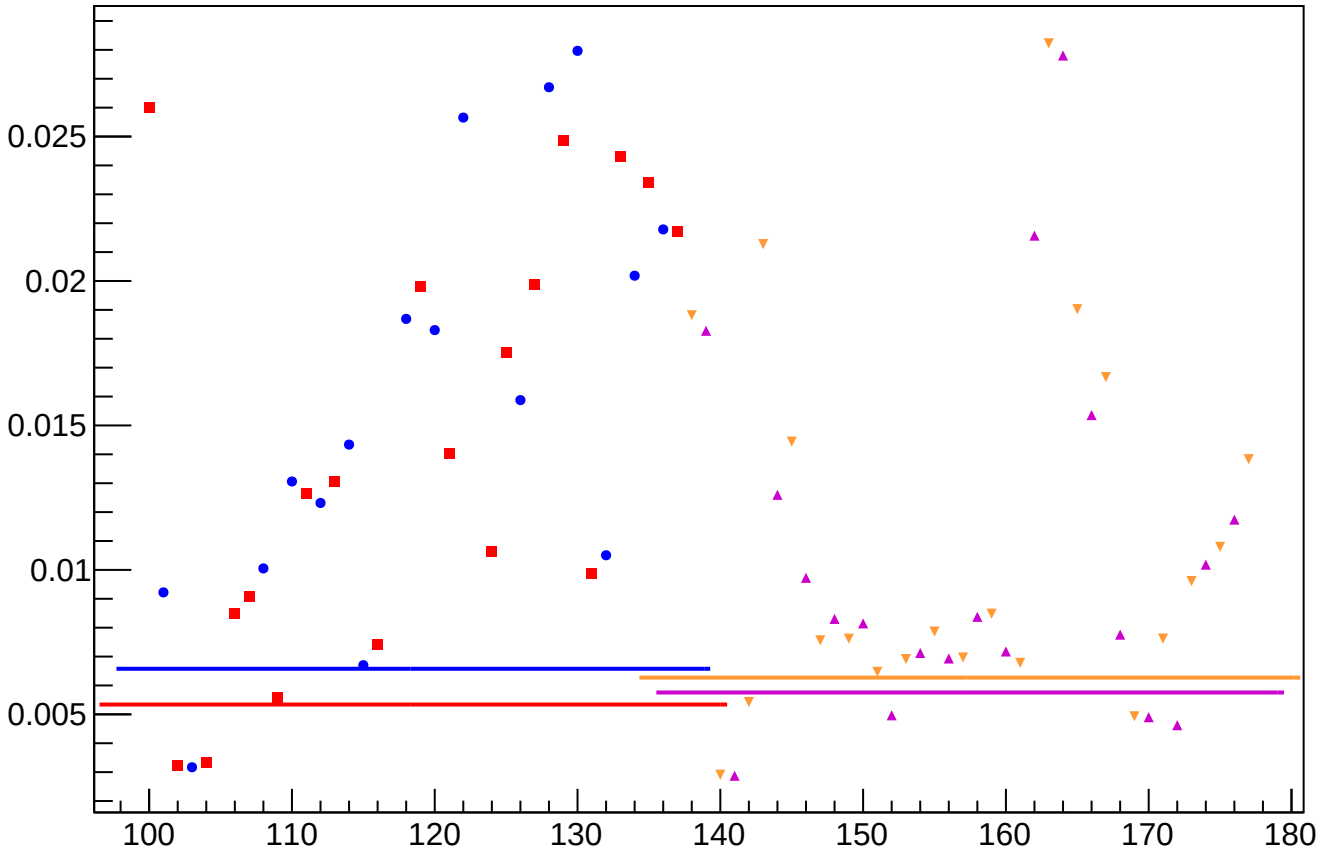
Left: -0.000+/-0.000 χ^2/NDF: 68.3/39

Right: -0.000+/-0.000 χ^2/NDF: 36.3/34

In: 0.000+/-0.000 χ^2/NDF:34.5/34

Out: -0.000+/-0.000 χ^2/NDF:66.5/39

All: -0.000+/-0.000 χ^2/NDF: 104.6/74



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:7772850.2/20

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

Left In: 0.006+/-0.000 χ^2/NDF:6756837.4/18

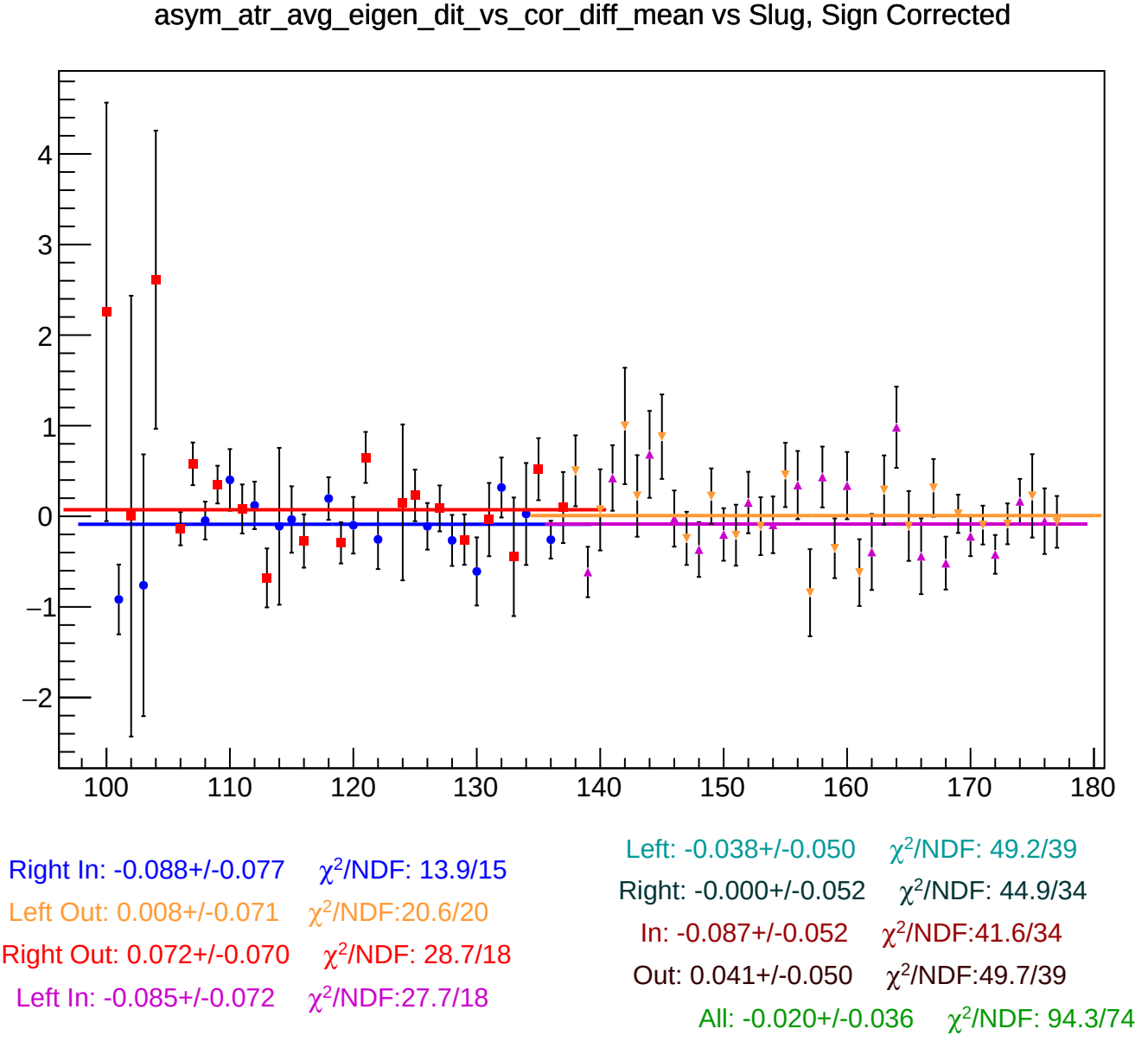
Left: 0.006+/-0.000 χ^2/NDF: 14614100.7/39

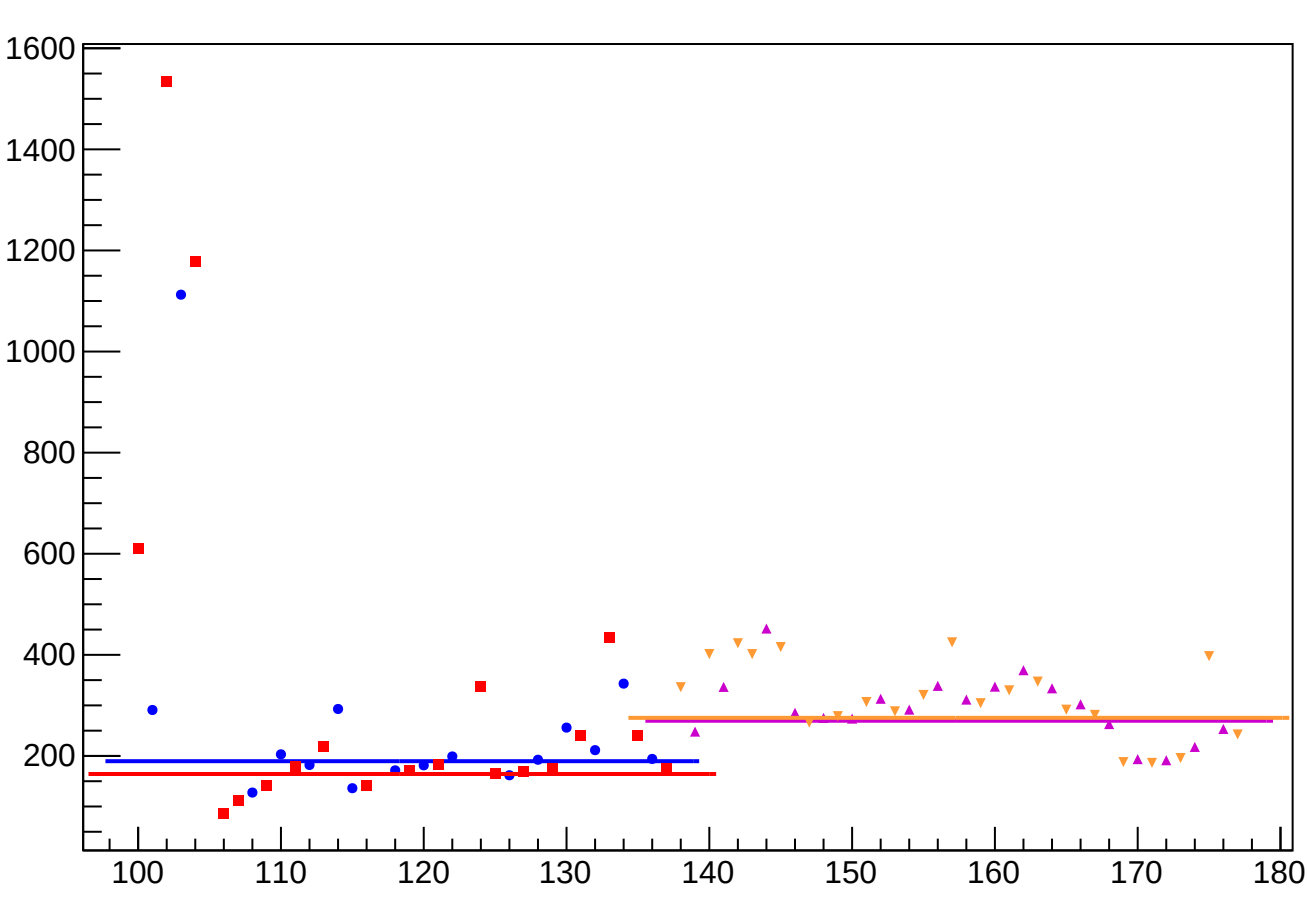
Right: 0.006+/-0.000 χ^2/NDF: 11788382.8/34

In: 0.006+/-0.000 χ^2/NDF:12781364.9/34

Out: 0.006+/-0.000 χ^2/NDF:13634576.9/39

All: 0.006+/-0.000 χ^2/NDF: 26416284.0/74


asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
Right In: -0.088+/-0.077 χ²/NDF: 13.9/15
Left Out: 0.008+/-0.071 χ²/NDF:20.6/20
Right Out: 0.072+/-0.070 χ²/NDF: 28.7/18
Left In: -0.085+/-0.072 χ²/NDF:27.7/18
Left: -0.038+/-0.050 χ²/NDF: 49.2/39
Right: -0.000+/-0.052 χ²/NDF: 44.9/34
In: -0.087+/-0.052 χ²/NDF:41.6/34
Out: 0.041+/-0.050 χ²/NDF:49.7/39
All: -0.020+/-0.036 χ²/NDF: 94.3/74



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 275.374+/-0.050 χ^2/NDF:2137685.2/20

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 269.643+/-0.051 χ^2/NDF:1348564.4/18

Left: 272.528+/-0.036 χ^2/NDF: 3492695.6/39

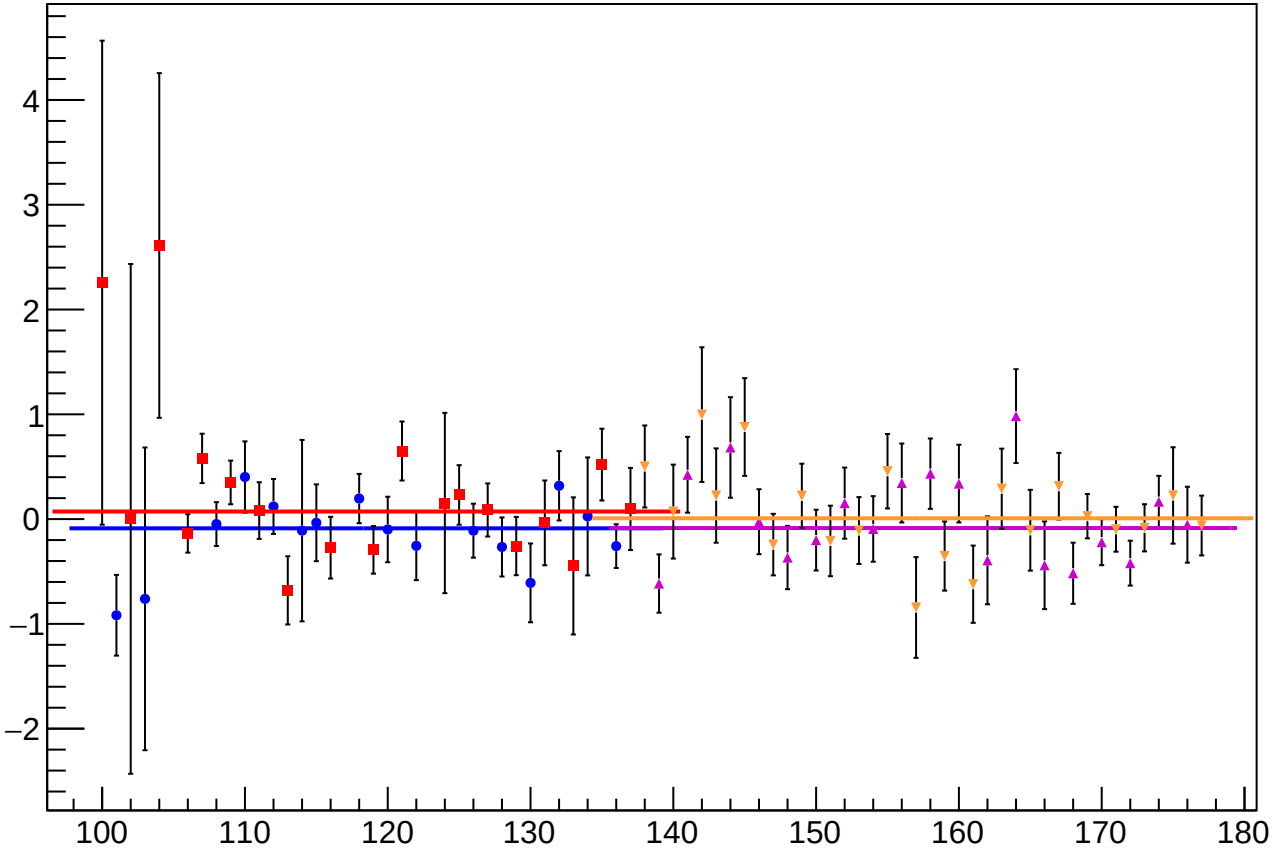
Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 232.408+/-0.037 χ^2/NDF:3975713.9/34

Out: 218.941+/-0.035 χ^2/NDF:7258383.0/39

All: 225.350+/-0.026 χ^2/NDF: 11303414.5/74

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: 0.008+/-0.071 χ^2/NDF:20.6/20

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.085+/-0.072 χ^2/NDF:27.7/18

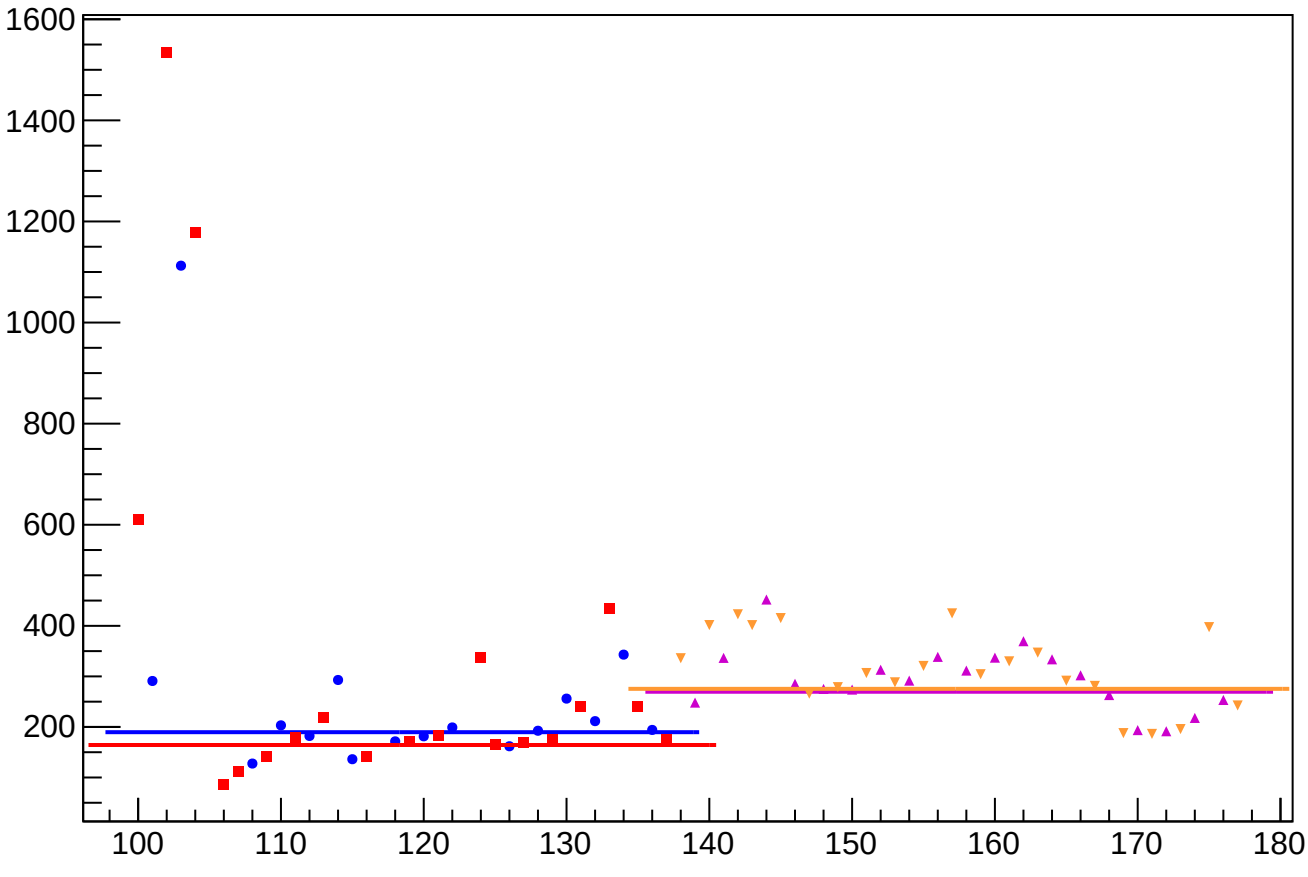
Left: -0.038+/-0.050 χ^2/NDF: 49.2/39

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.087+/-0.052 χ^2/NDF:41.6/34

Out: 0.041+/-0.050 χ^2/NDF:49.7/39

All: -0.020+/-0.036 χ^2/NDF: 94.3/74



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 275.374+/-0.050 χ^2/NDF:2137685.2/20

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 269.643+/-0.051 χ^2/NDF:1348564.4/18

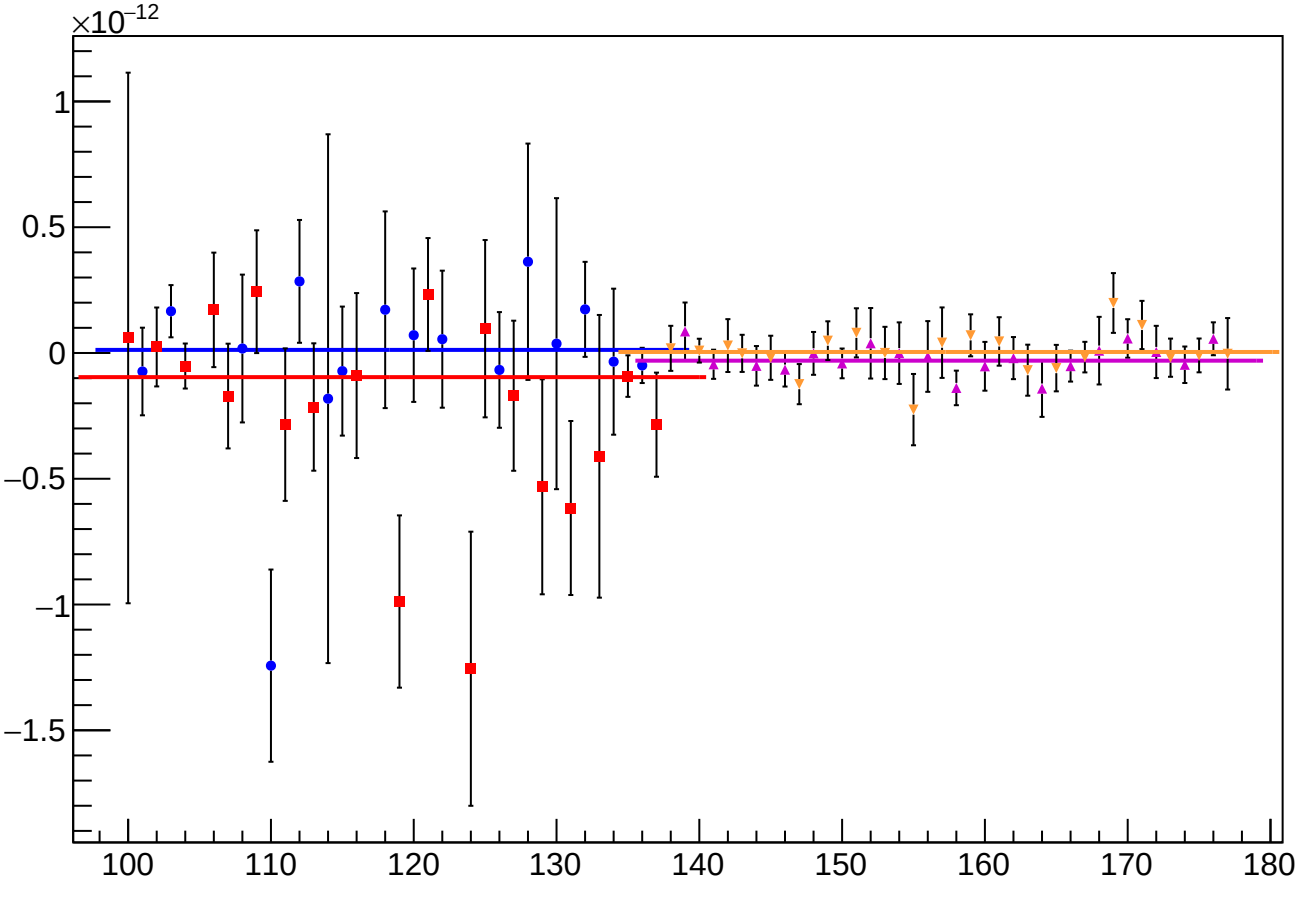
Left: 272.528+/-0.036 χ^2/NDF: 3492695.6/39

Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 232.408+/-0.037 χ^2/NDF:3975713.9/34

Out: 218.941+/-0.035 χ^2/NDF:7258383.0/39

All: 225.350+/-0.026 χ^2/NDF: 11303414.5/74



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.4/20

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:8.9/18

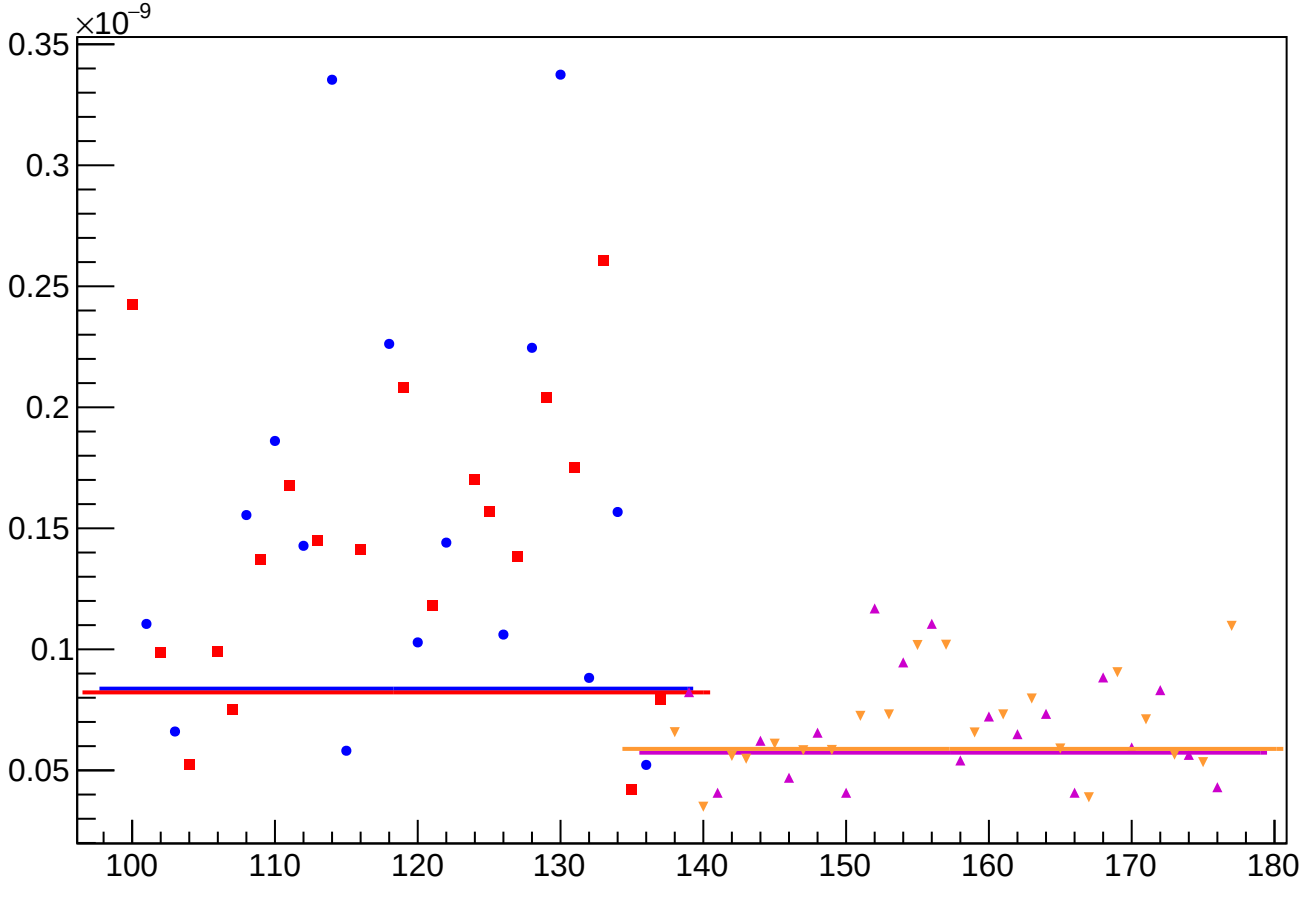
Left: -0.000+/-0.000 χ^2/NDF: 23.0/39

Right: -0.000+/-0.000 χ^2/NDF: 43.1/34

In: -0.000+/-0.000 χ^2/NDF:26.7/34

Out: -0.000+/-0.000 χ^2/NDF:39.8/39

All: -0.000+/-0.000 χ^2/NDF: 66.9/74



Right In: 0.000+/-0.000 χ^2/NDF: 2109060.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1781362.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1904540.9/18

Left: 0.000+/-0.000 χ^2/NDF: 3693069.8/39

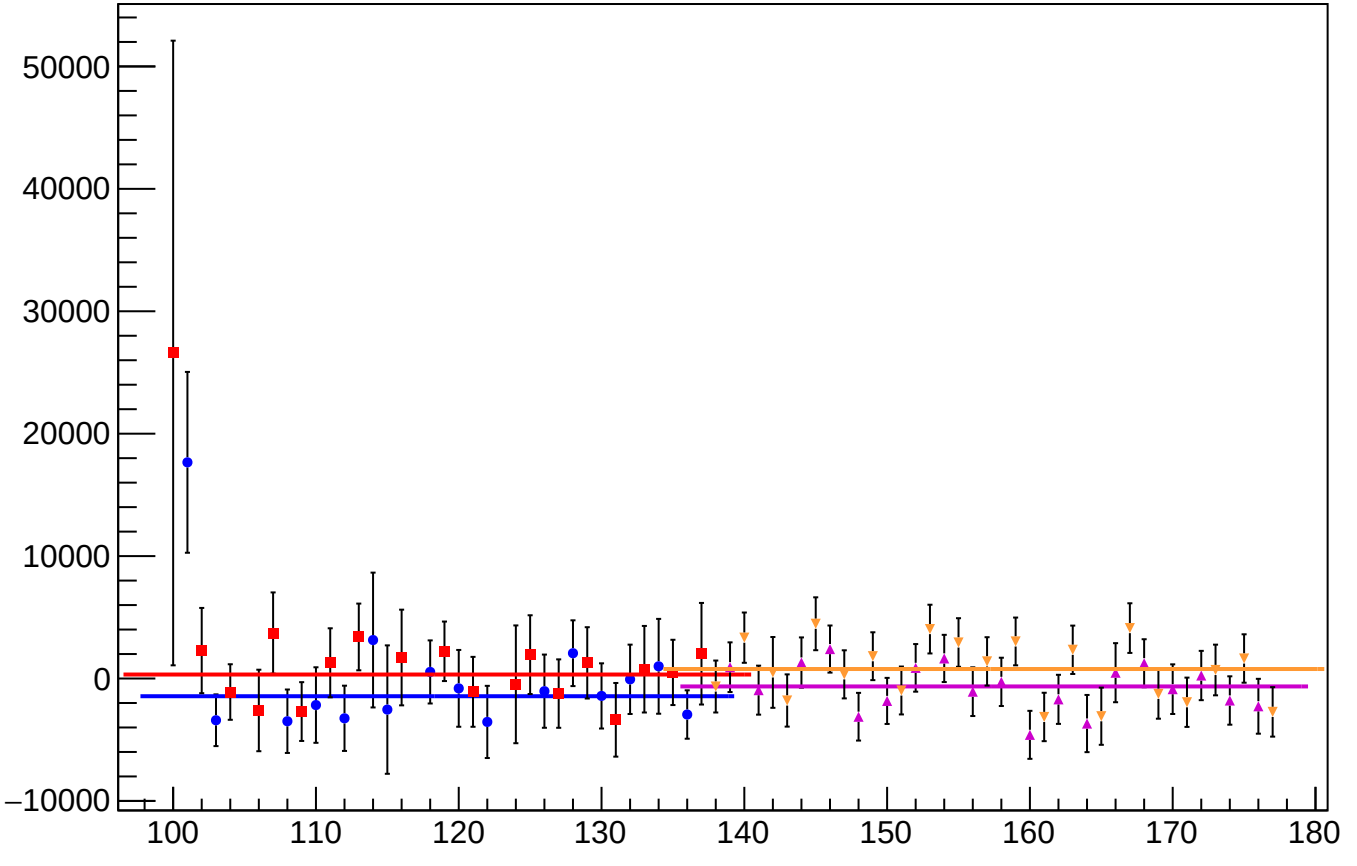
Right: 0.000+/-0.000 χ^2/NDF: 4382137.4/34

In: 0.000+/-0.000 χ^2/NDF:4591327.6/34

Out: 0.000+/-0.000 χ^2/NDF:4518748.6/39

All: 0.000+/-0.000 χ^2/NDF: 9114695.9/74

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 776.276+/-448.029 χ^2/NDF:28.9/20

Right Out: 325.908+/-702.648 χ^2/NDF: 9.9/18

Left In: -646.915+/-463.345 χ^2/NDF:16.4/18

Left: 88.591+/-322.083 χ^2/NDF: 50.1/39

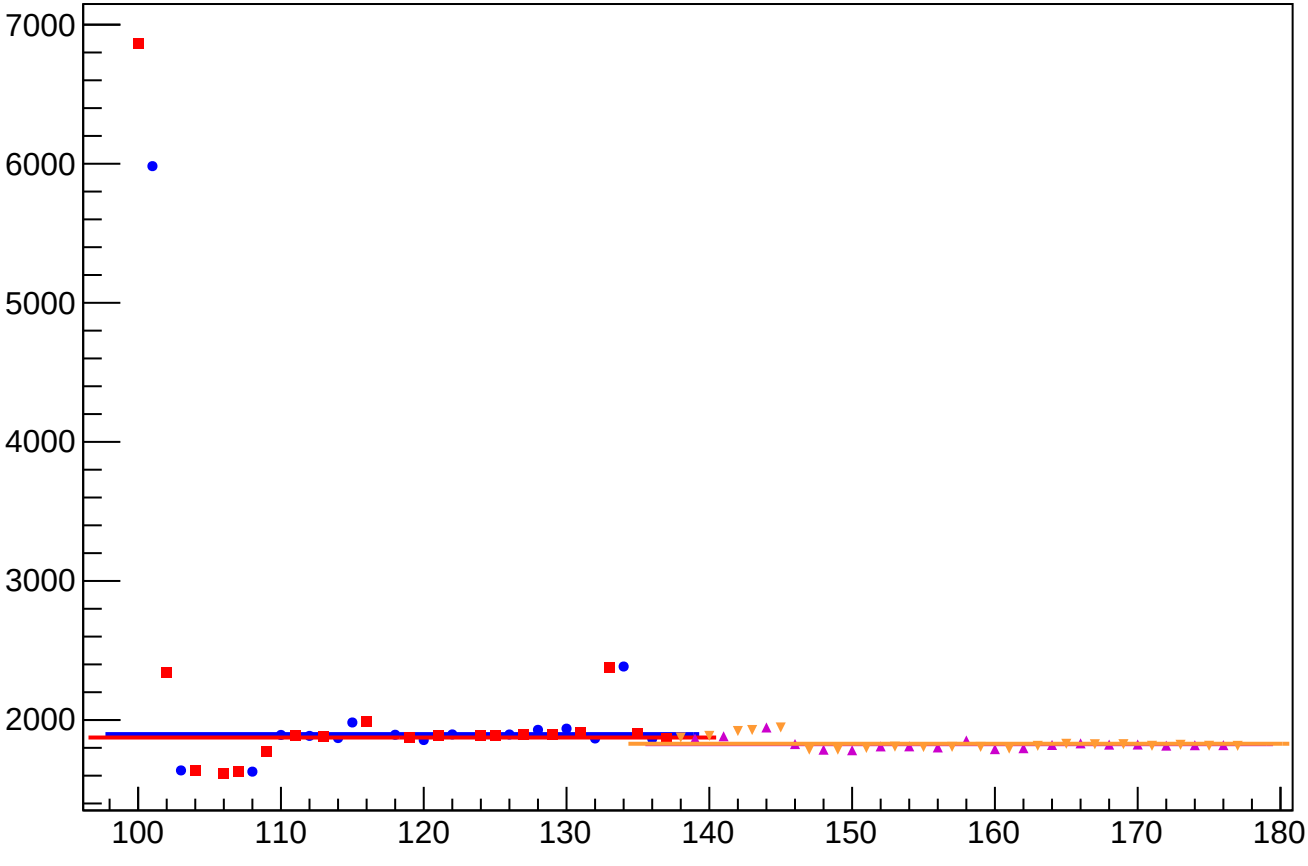
Right: -534.850+/-503.936 χ^2/NDF: 26.5/34

In: -879.652+/-390.131 χ^2/NDF:30.8/34

Out: 646.097+/-377.768 χ^2/NDF:39.1/39

All: -92.220+/-271.388 χ^2/NDF: 77.8/74

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1829.420+/-0.317 χ^2/NDF:19108.1/20

Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1826.285+/-0.328 χ^2/NDF:13271.4/18

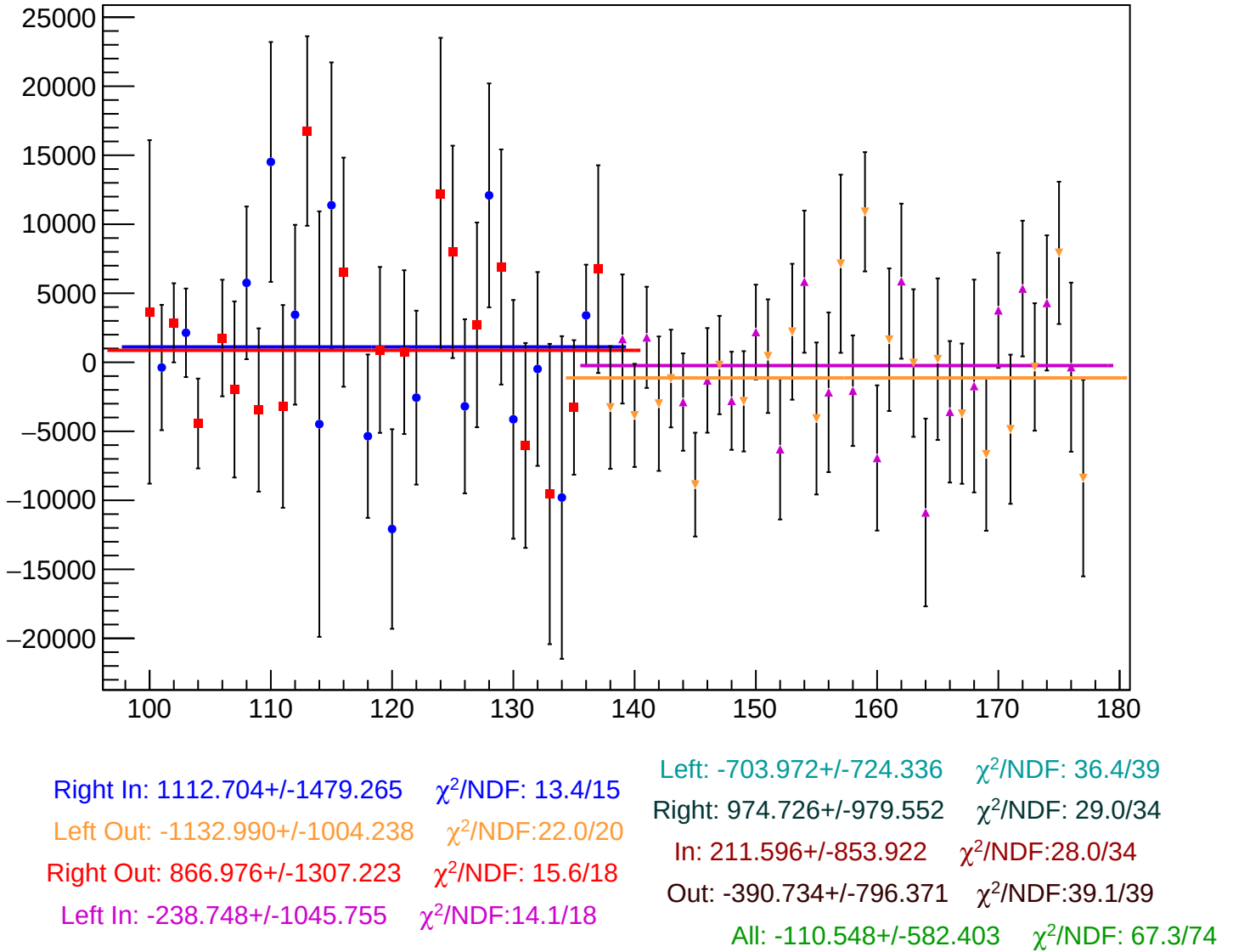
Left: 1827.905+/-0.228 χ^2/NDF: 32426.8/39

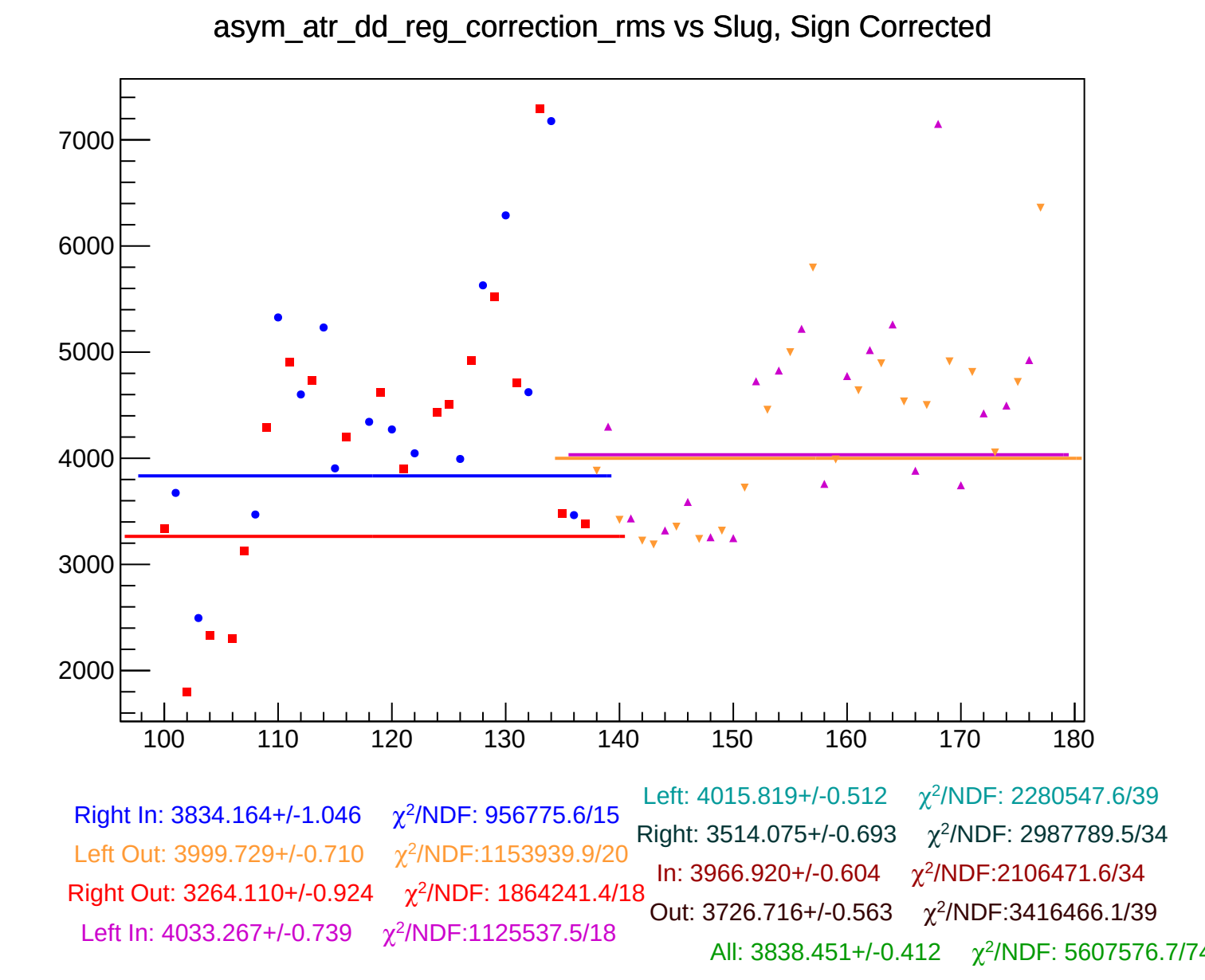
Right: 1886.144+/-0.356 χ^2/NDF: 906364.0/34

In: 1847.398+/-0.276 χ^2/NDF:725053.8/34

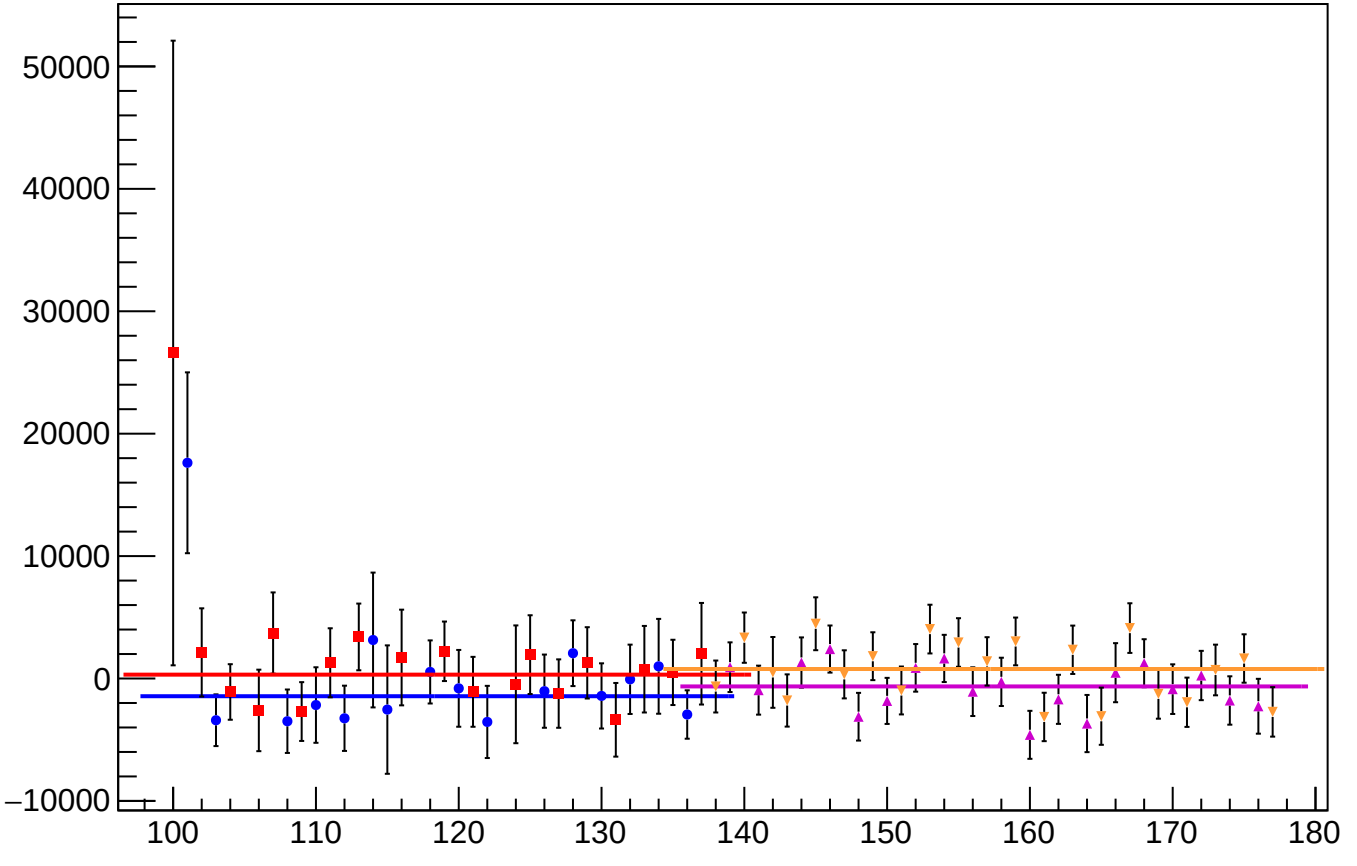
Out: 1842.441+/-0.267 χ^2/NDF:232582.0/39

All: 1844.837+/-0.192 χ^2/NDF: 957802.6/74


asym_atr_dd_reg_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
Right In: 1112.704+/-1479.265 χ²/NDF: 13.4/15
Left Out: -1132.990+/-1004.238 χ²/NDF:22.0/20
Right Out: 866.976+/-1307.223 χ²/NDF: 15.6/18
Left In: -238.748+/-1045.755 χ²/NDF:14.1/18
Left: -703.972+/-724.336 χ²/NDF: 36.4/39
Right: 974.726+/-979.552 χ²/NDF: 29.0/34
In: 211.596+/-853.922 χ²/NDF:28.0/34
Out: -390.734+/-796.371 χ²/NDF:39.1/39
All: -110.548+/-582.403 χ²/NDF: 67.3/74


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: 3999.729+/-0.710 χ²/NDF:1153939.9/20
Right Out: 3264.110+/-0.924 χ²/NDF: 1864241.4/18
Left In: 4033.267+/-0.739 χ²/NDF:1125537.5/18
Left: 4015.819+/-0.512 χ²/NDF: 2280547.6/39
Right: 3514.075+/-0.693 χ²/NDF: 2987789.5/34
In: 3966.920+/-0.604 χ²/NDF:2106471.6/34
Out: 3726.716+/-0.563 χ²/NDF:3416466.1/39
All: 3838.451+/-0.412 χ²/NDF: 5607576.7/74

cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 776.354+/-448.029 χ^2/NDF:28.9/20

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: -646.825+/-463.345 χ^2/NDF:16.4/18

Left: 88.674+/-322.083 χ^2/NDF: 50.1/39

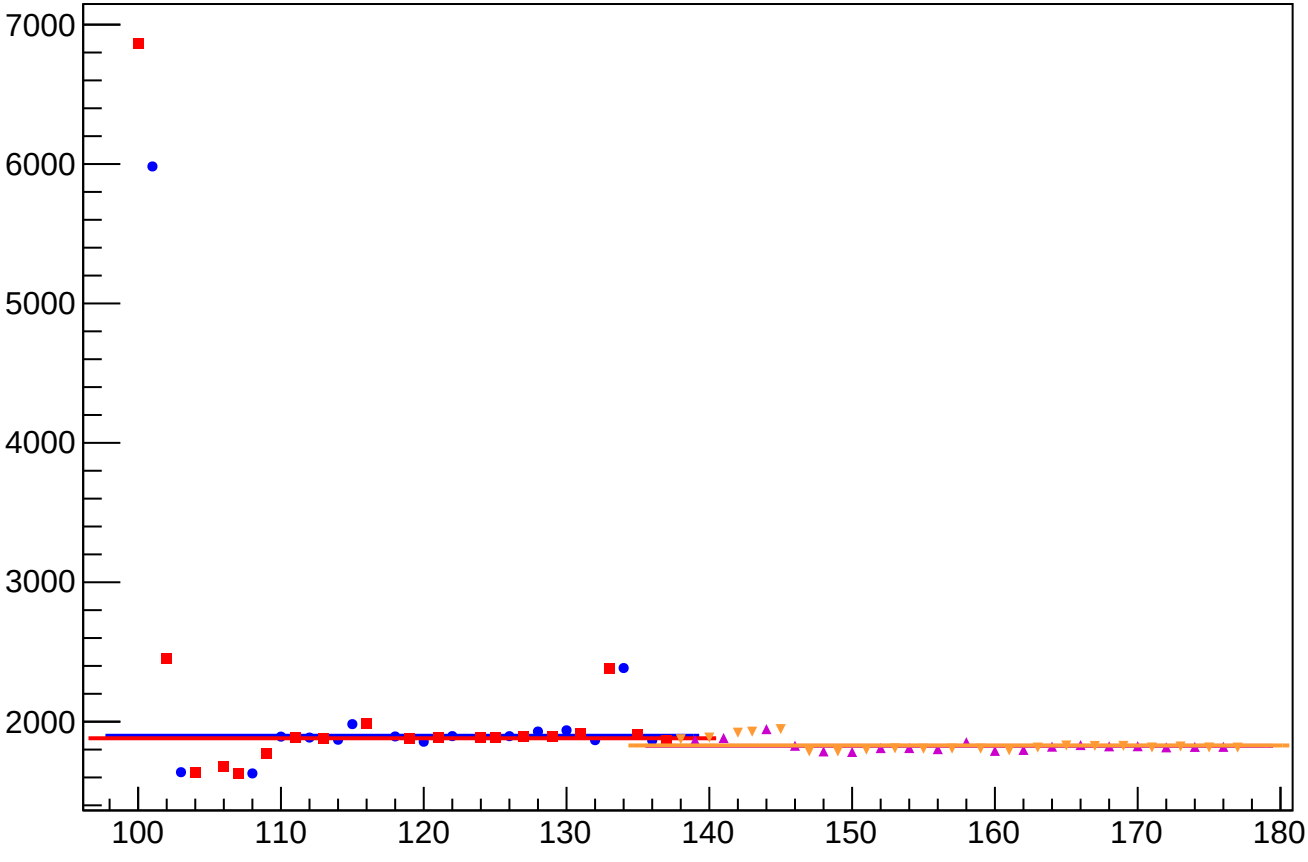
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -879.700+/-390.131 χ^2/NDF:30.7/34

Out: 643.388+/-377.915 χ^2/NDF:39.0/39

All: -93.938+/-271.442 χ^2/NDF: 77.6/74

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1829.420+/-0.317 χ^2/NDF:19108.1/20

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1826.285+/-0.328 χ^2/NDF:13271.4/18

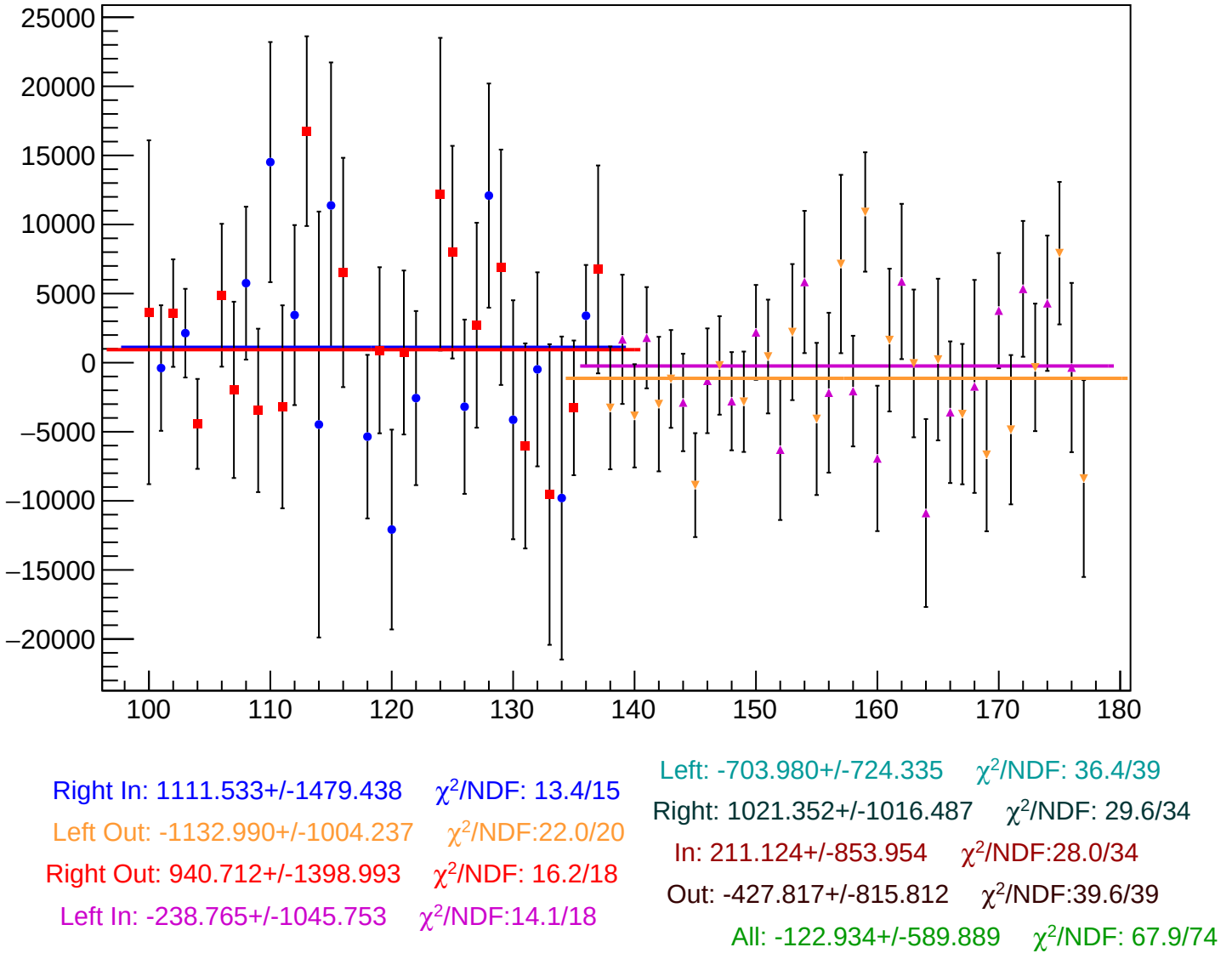
Left: 1827.905+/-0.228 χ^2/NDF: 32426.8/39

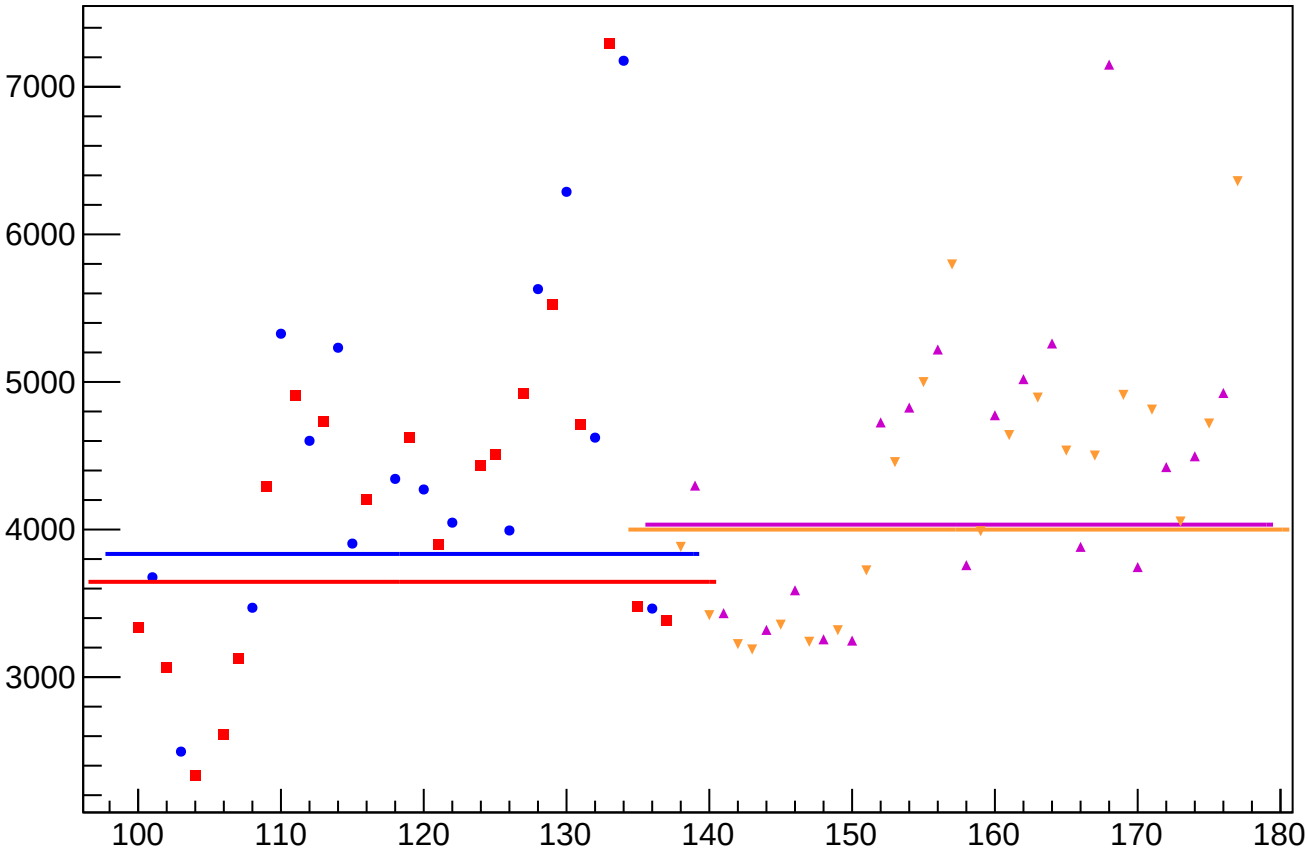
Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1847.398+/-0.276 χ^2/NDF:725053.9/34

Out: 1844.336+/-0.267 χ^2/NDF:243338.8/39

All: 1845.818+/-0.192 χ^2/NDF: 968456.3/74


asym_atr_dd_cor_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
Right In: 1111.533+/-1479.438 χ²/NDF: 13.4/15
Left Out: -1132.990+/-1004.237 χ²/NDF:22.0/20
Right Out: 940.712+/-1398.993 χ²/NDF: 16.2/18
Left In: -238.765+/-1045.753 χ²/NDF:14.1/18
Left: -703.980+/-724.335 χ²/NDF: 36.4/39
Right: 1021.352+/-1016.487 χ²/NDF: 29.6/34
In: 211.124+/-853.954 χ²/NDF:28.0/34
Out: -427.817+/-815.812 χ²/NDF:39.6/39
All: -122.934+/-589.889 χ²/NDF: 67.9/74



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3999.725+/-0.710 χ^2/NDF:1153936.4/20

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 4033.259+/-0.739 χ^2/NDF:1125551.2/18

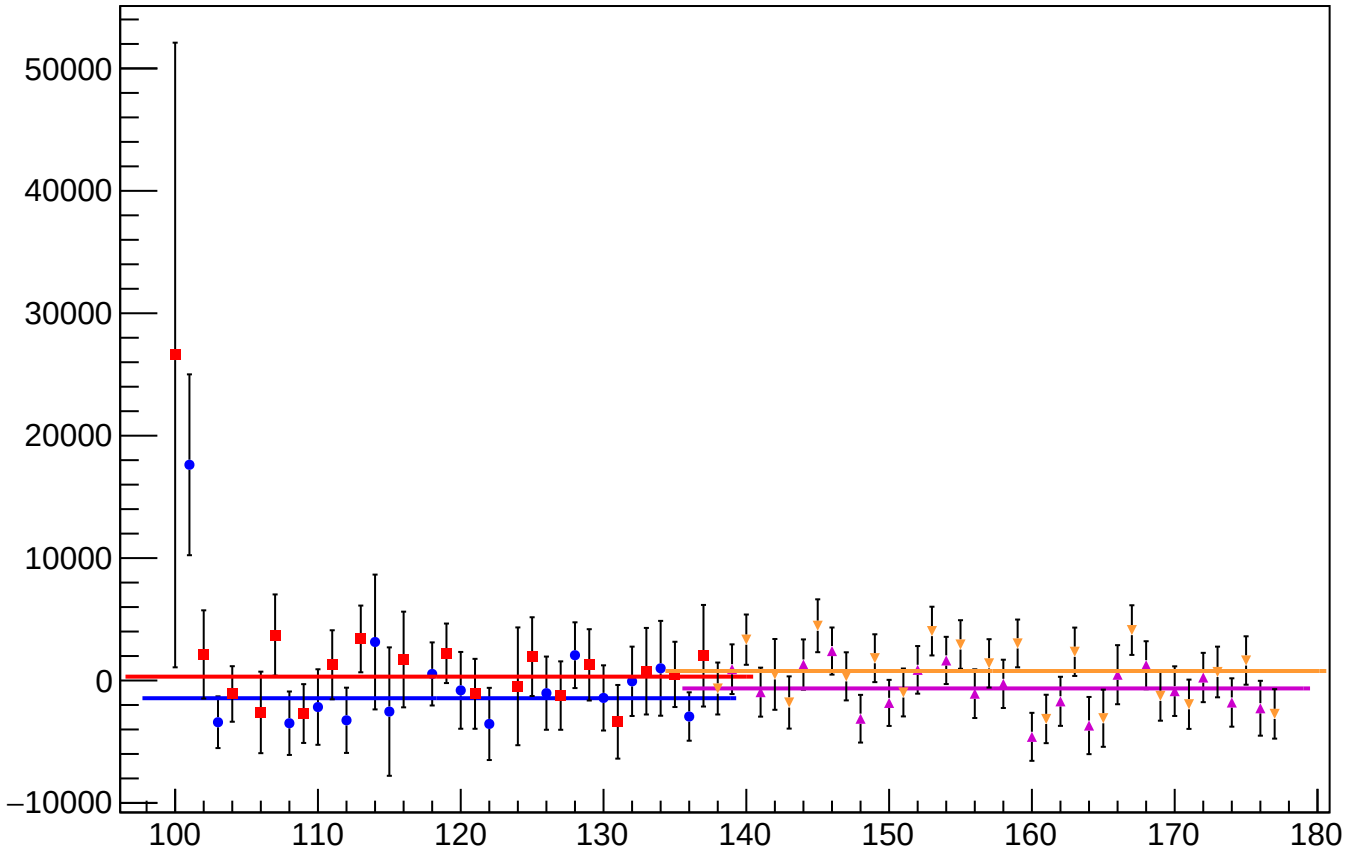
Left: 4015.813+/-0.512 χ^2/NDF: 2280557.6/39

Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3967.101+/-0.604 χ^2/NDF:2105888.9/34

Out: 3879.334+/-0.577 χ^2/NDF:2363446.0/39

All: 3921.213+/-0.417 χ^2/NDF: 4480380.4/74



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 776.354+/-448.029 χ^2/NDF:28.9/20

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: -646.825+/-463.345 χ^2/NDF:16.4/18

Left: 88.674+/-322.083 χ^2/NDF: 50.1/39

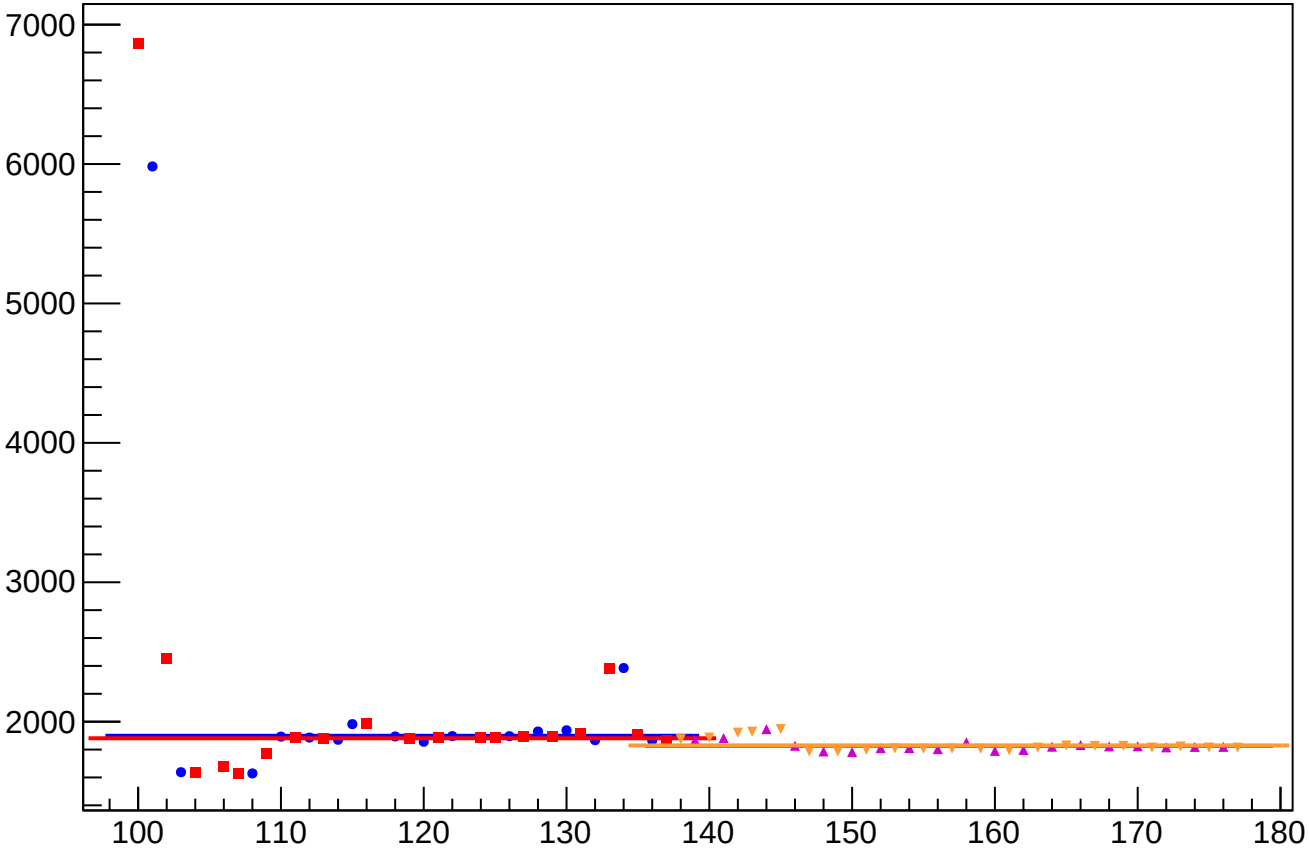
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -879.700+/-390.131 χ^2/NDF:30.7/34

Out: 643.388+/-377.915 χ^2/NDF:39.0/39

All: -93.938+/-271.442 χ^2/NDF: 77.6/74

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1829.420+/-0.317 χ^2/NDF:19108.1/20

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1826.285+/-0.328 χ^2/NDF:13271.4/18

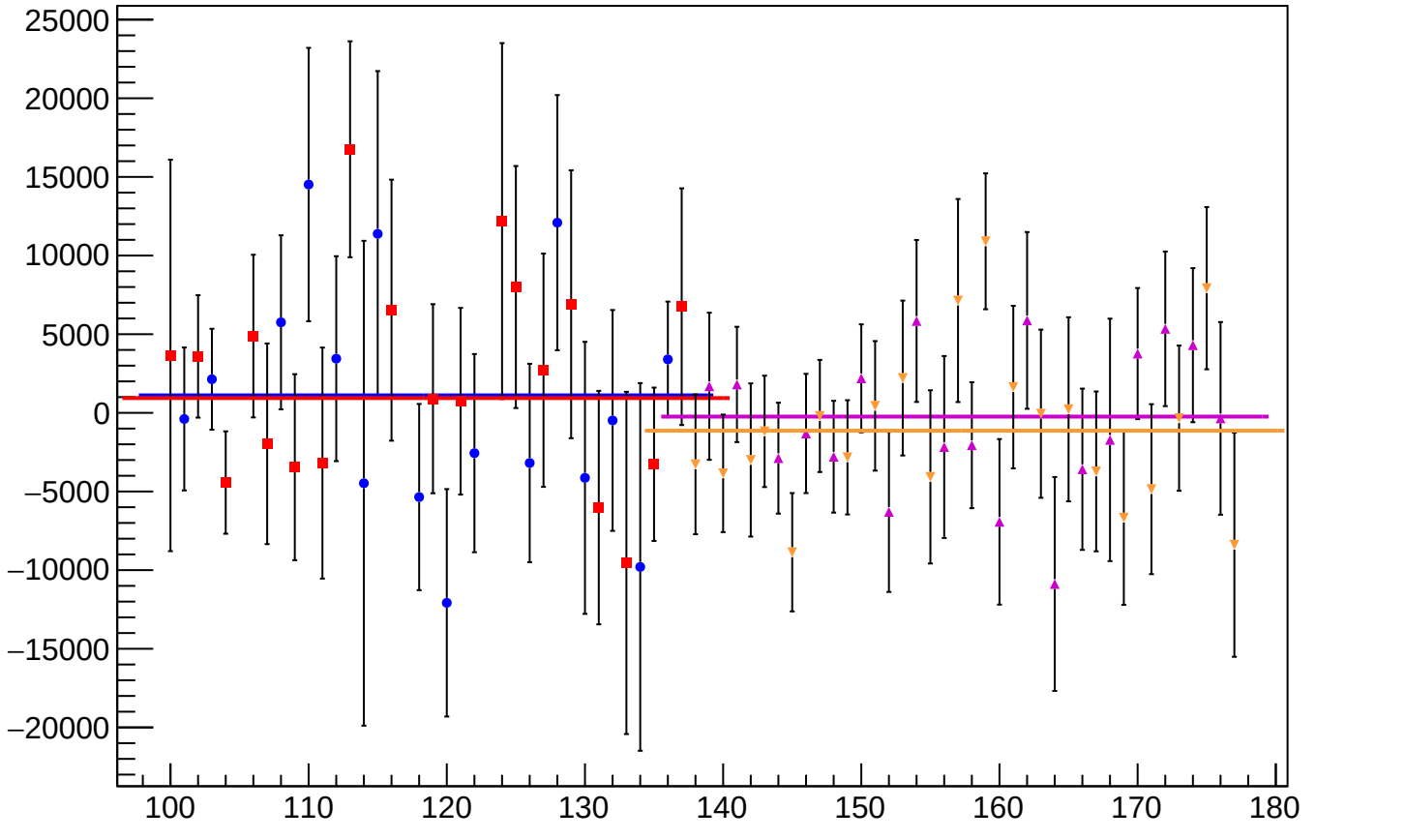
Left: 1827.905+/-0.228 χ^2/NDF: 32426.8/39

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1847.398+/-0.276 χ^2/NDF:725053.9/34

Out: 1844.336+/-0.267 χ^2/NDF:243338.8/39

All: 1845.818+/-0.192 χ^2/NDF: 968456.3/74



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -1132.990+/-1004.237 χ^2/NDF:22.0/20

Right Out: 940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: -238.765+/-1045.753 χ^2/NDF:14.1/18

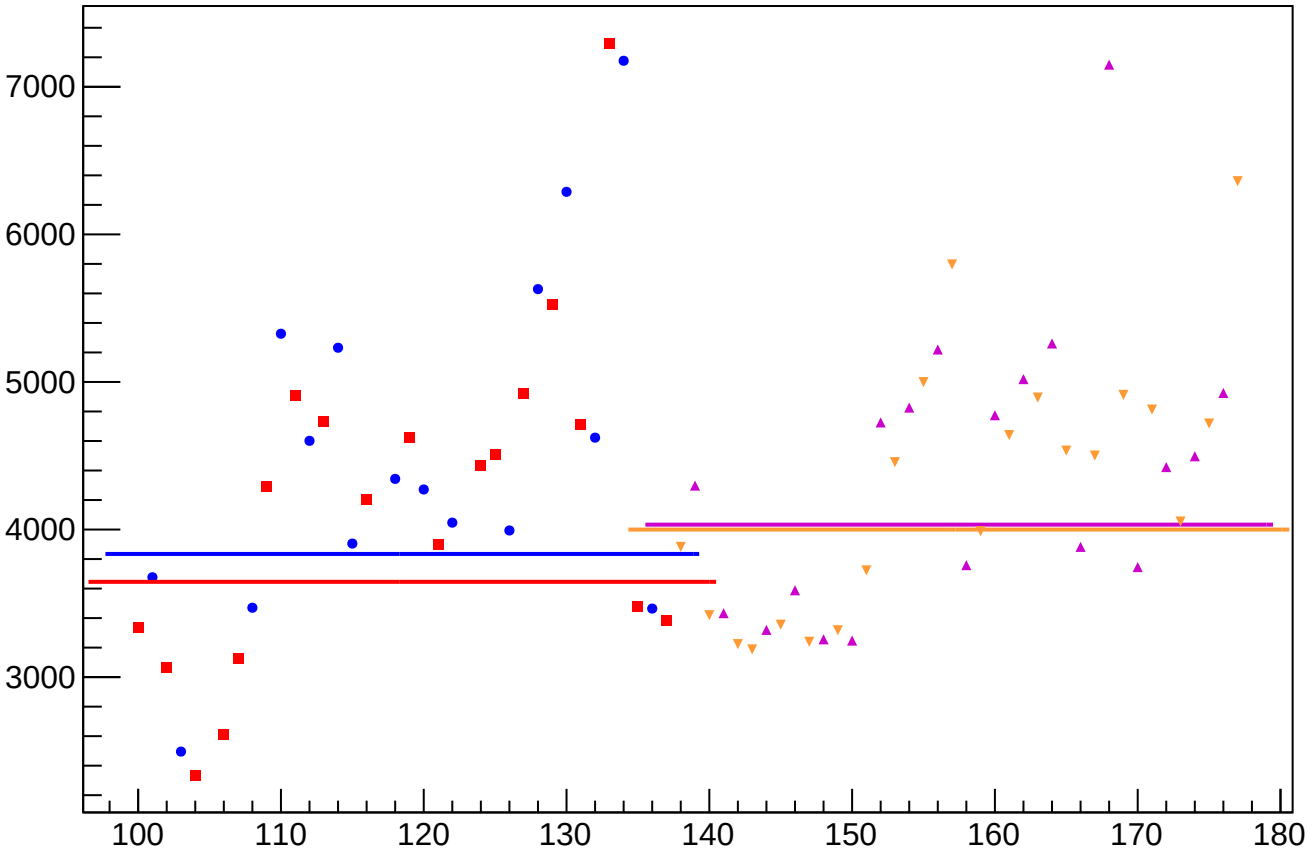
Left: -703.980+/-724.335 χ^2/NDF: 36.4/39

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: 211.124+/-853.954 χ^2/NDF:28.0/34

Out: -427.817+/-815.812 χ^2/NDF:39.6/39

All: -122.934+/-589.889 χ^2/NDF: 67.9/74



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3999.725+/-0.710 χ^2/NDF:1153936.4/20

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 4033.259+/-0.739 χ^2/NDF:1125551.2/18

Left: 4015.813+/-0.512 χ^2/NDF: 2280557.6/39

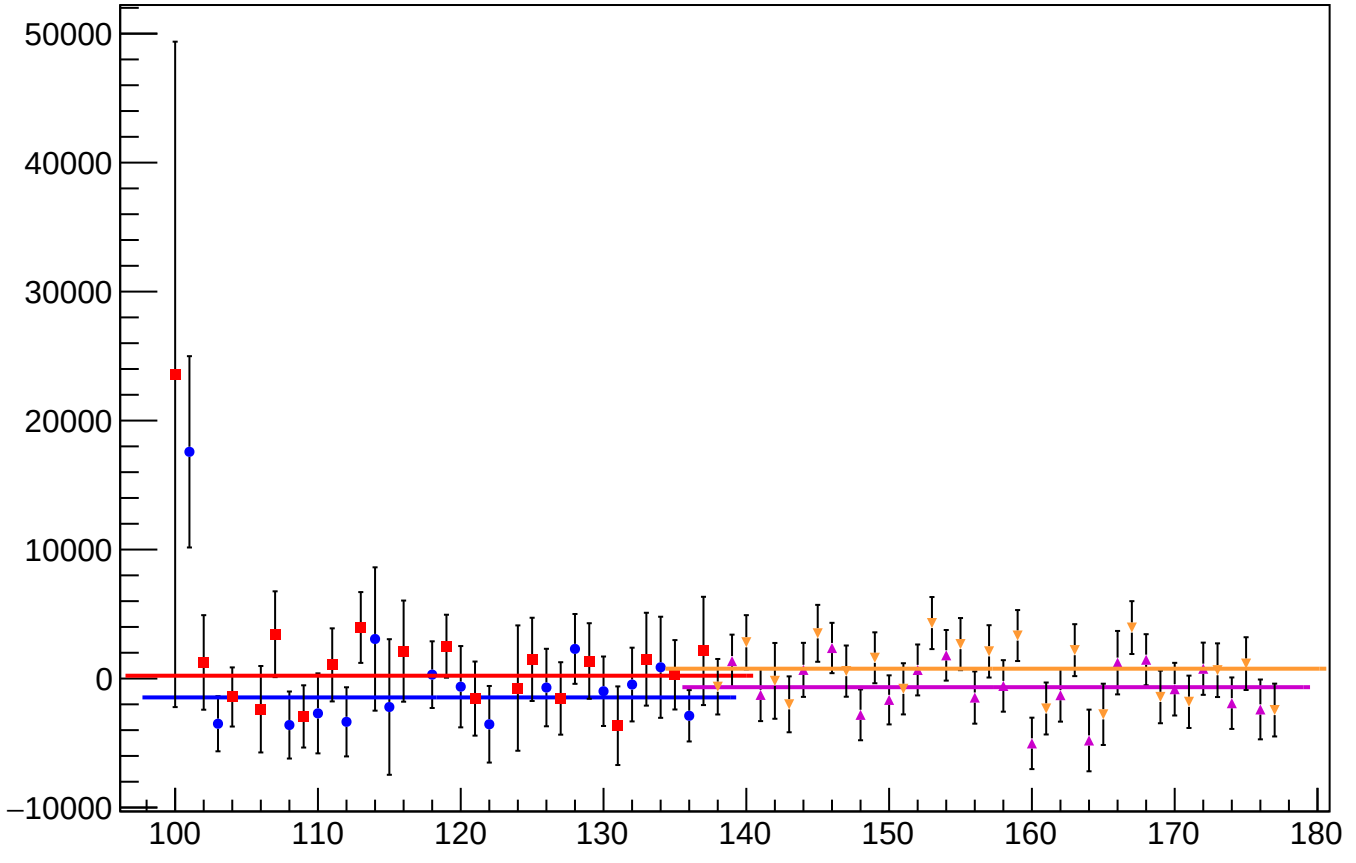
Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3967.101+/-0.604 χ^2/NDF:2105888.9/34

Out: 3879.334+/-0.577 χ^2/NDF:2363446.0/39

All: 3921.213+/-0.417 χ^2/NDF: 4480380.4/74

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 763.483+/-455.033 χ^2/NDF:24.3/20

Right Out: 219.726+/-708.852 χ^2/NDF: 10.8/18

Left In: -669.686+/-470.412 χ^2/NDF:18.6/18

Left: 70.708+/-327.059 χ^2/NDF: 47.7/39

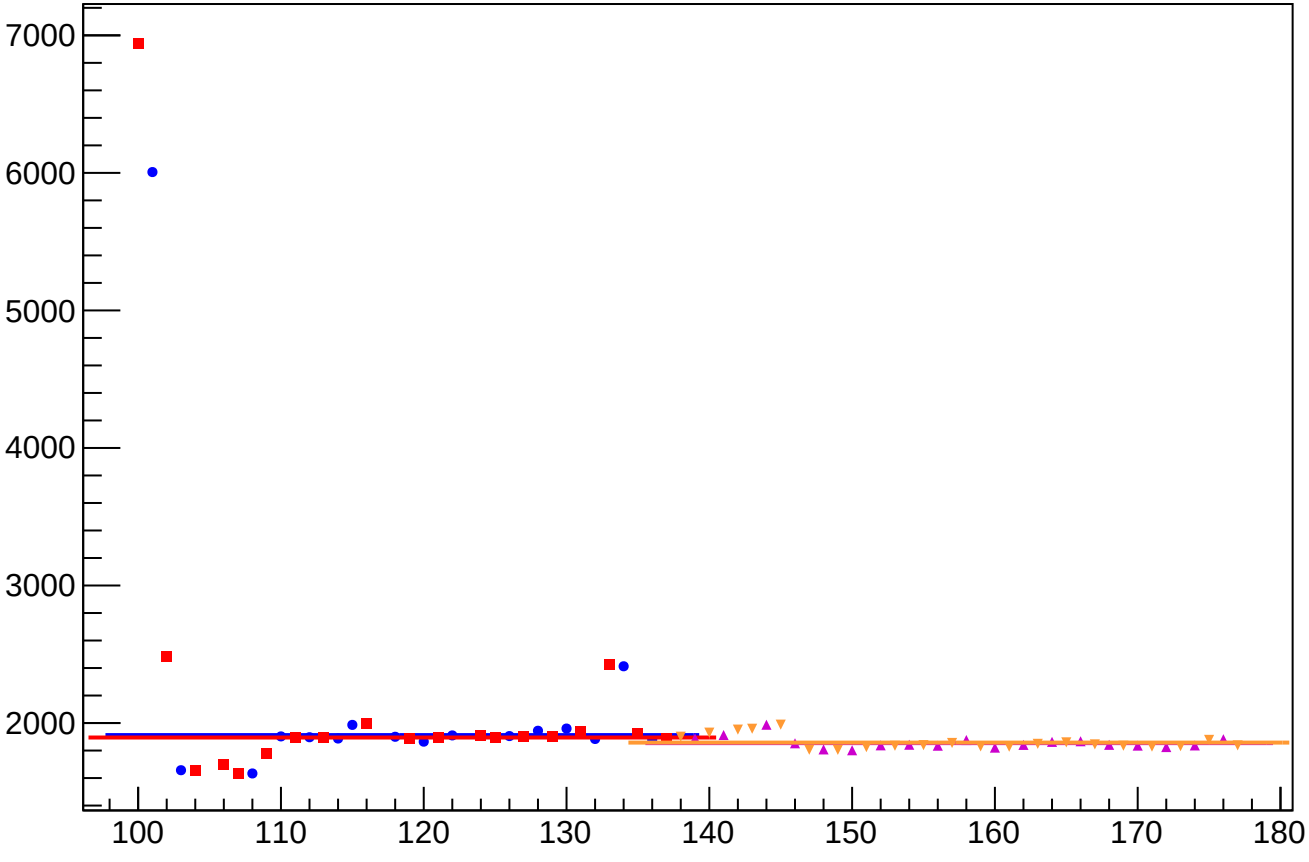
Right: -598.725+/-507.962 χ^2/NDF: 27.1/34

In: -903.127+/-395.148 χ^2/NDF:33.0/34

Out: 604.803+/-382.925 χ^2/NDF:35.5/39

All: -125.481+/-274.989 χ^2/NDF: 76.0/74

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1857.858+/-0.322 χ^2/NDF:22659.4/20

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1854.006+/-0.333 χ^2/NDF:15374.3/18

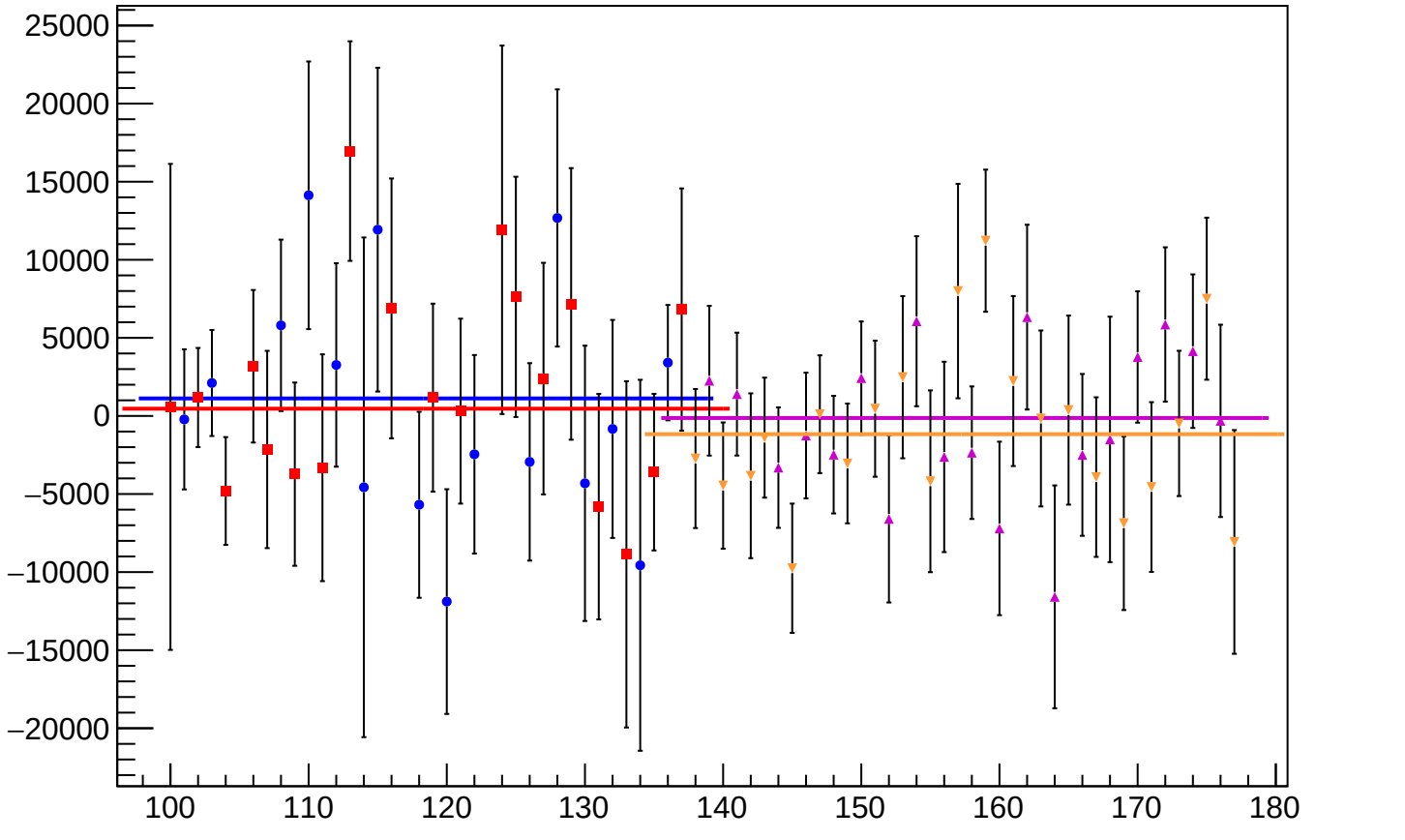
Left: 1855.996+/-0.231 χ^2/NDF: 38102.9/39

Right: 1903.324+/-0.359 χ^2/NDF: 916603.1/34

In: 1871.190+/-0.279 χ^2/NDF:720660.6/34

Out: 1868.645+/-0.271 χ^2/NDF:246286.1/39

All: 1869.877+/-0.194 χ^2/NDF: 966989.5/74



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -1169.445+/-1053.710 χ^2/NDF:21.8/20

Right Out: 464.368+/-1370.818 χ^2/NDF: 15.0/18

Left In: -131.660+/-1095.180 χ^2/NDF:13.9/18

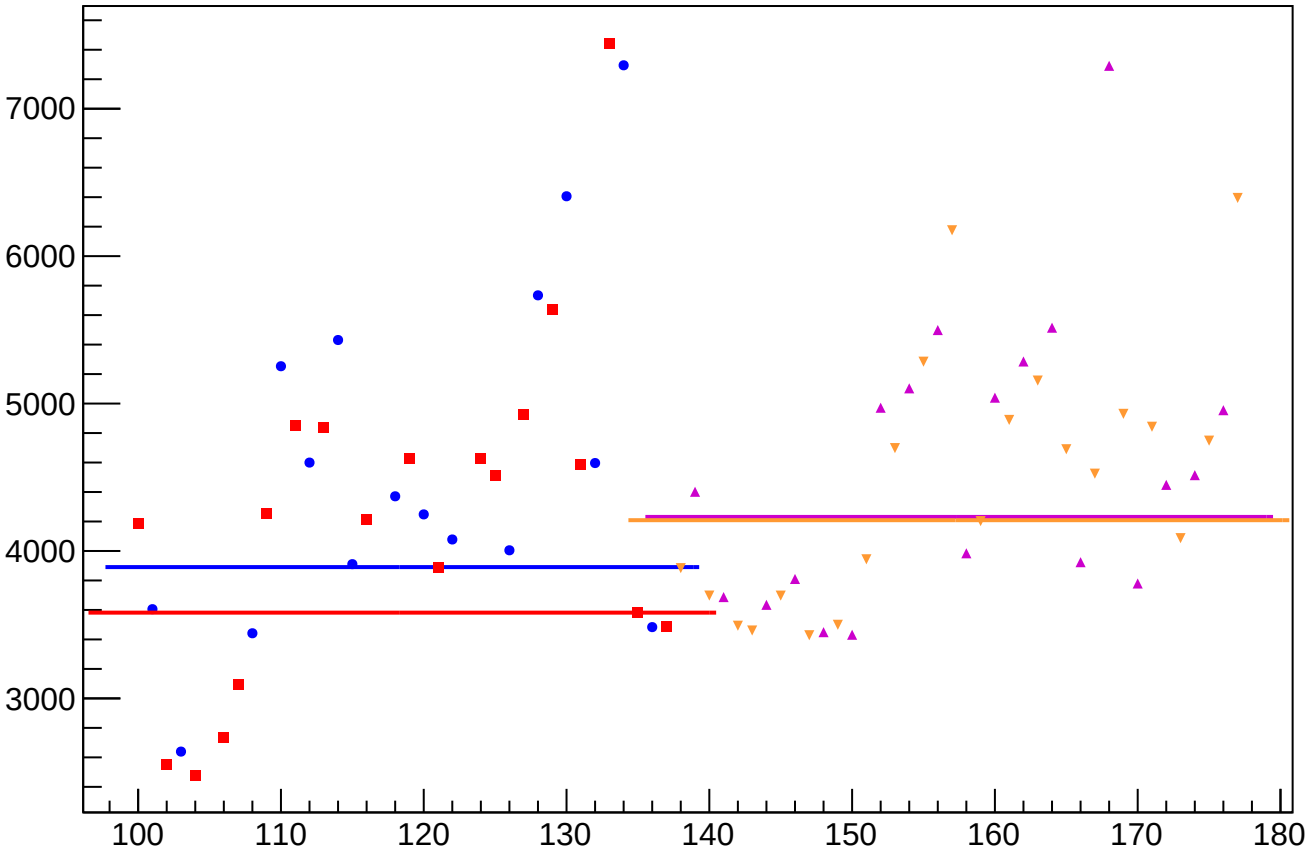
Left: -670.573+/-759.323 χ^2/NDF: 36.2/39

Right: 763.326+/-1011.192 χ^2/NDF: 28.6/34

In: 304.506+/-884.034 χ^2/NDF:27.9/34

Out: -562.633+/-835.421 χ^2/NDF:37.7/39

All: -153.560+/-607.191 χ^2/NDF: 66.0/74



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 4208.858+/-0.745 χ^2/NDF:975476.1/20

Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

Left In: 4231.048+/-0.774 χ^2/NDF:1018548.9/18

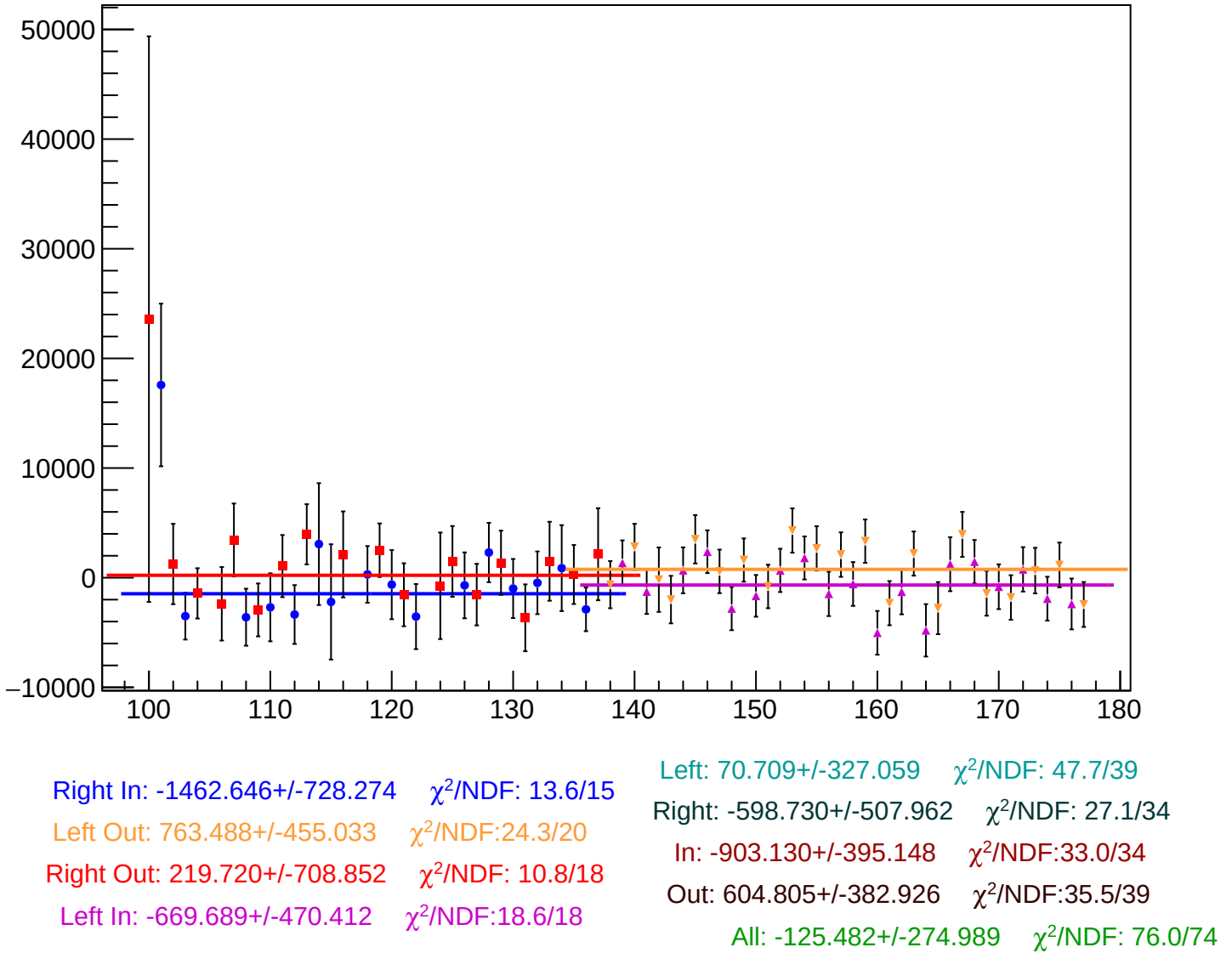
Left: 4219.525+/-0.537 χ^2/NDF: 1994451.4/39

Right: 3722.609+/-0.715 χ^2/NDF: 2146577.5/34

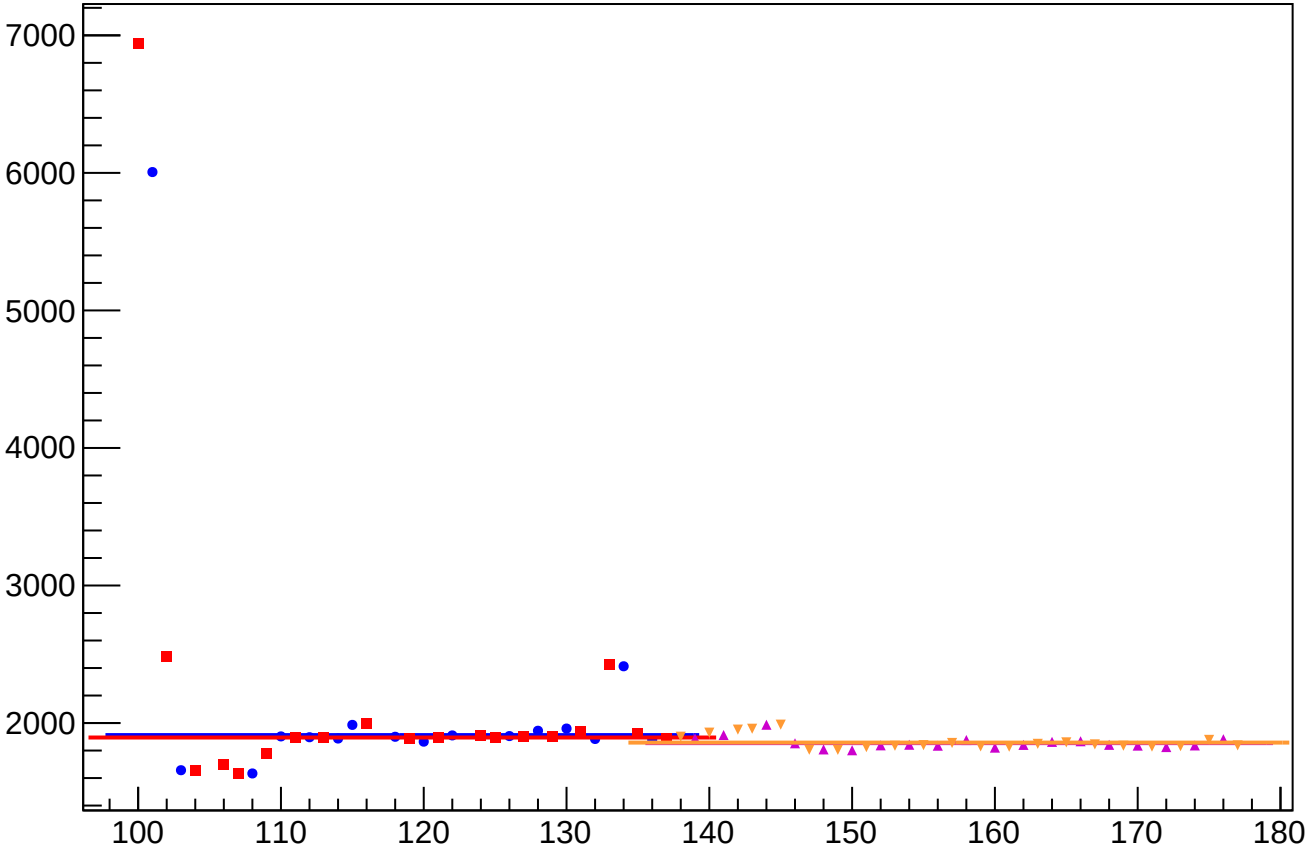
In: 4112.466+/-0.625 χ^2/NDF:1964263.2/34

Out: 3975.956+/-0.591 χ^2/NDF:2460407.5/39

All: 4040.355+/-0.429 χ^2/NDF: 4449862.7/74


eigen_dit_asym_atr_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
180
Right In: -1462.646+/-728.274 χ²/NDF: 13.6/15
Left Out: 763.488+/-455.033 χ²/NDF:24.3/20
Right Out: 219.720+/-708.852 χ²/NDF: 10.8/18
Left In: -669.689+/-470.412 χ²/NDF:18.6/18
Left: 70.709+/-327.059 χ²/NDF: 47.7/39
Right: -598.730+/-507.962 χ²/NDF: 27.1/34
In: -903.130+/-395.148 χ²/NDF:33.0/34
Out: 604.805+/-382.926 χ²/NDF:35.5/39
All: -125.482+/-274.989 χ²/NDF: 76.0/74

eigen_dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1857.859+/-0.322 χ^2/NDF:22659.4/20

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1854.007+/-0.333 χ^2/NDF:15374.2/18

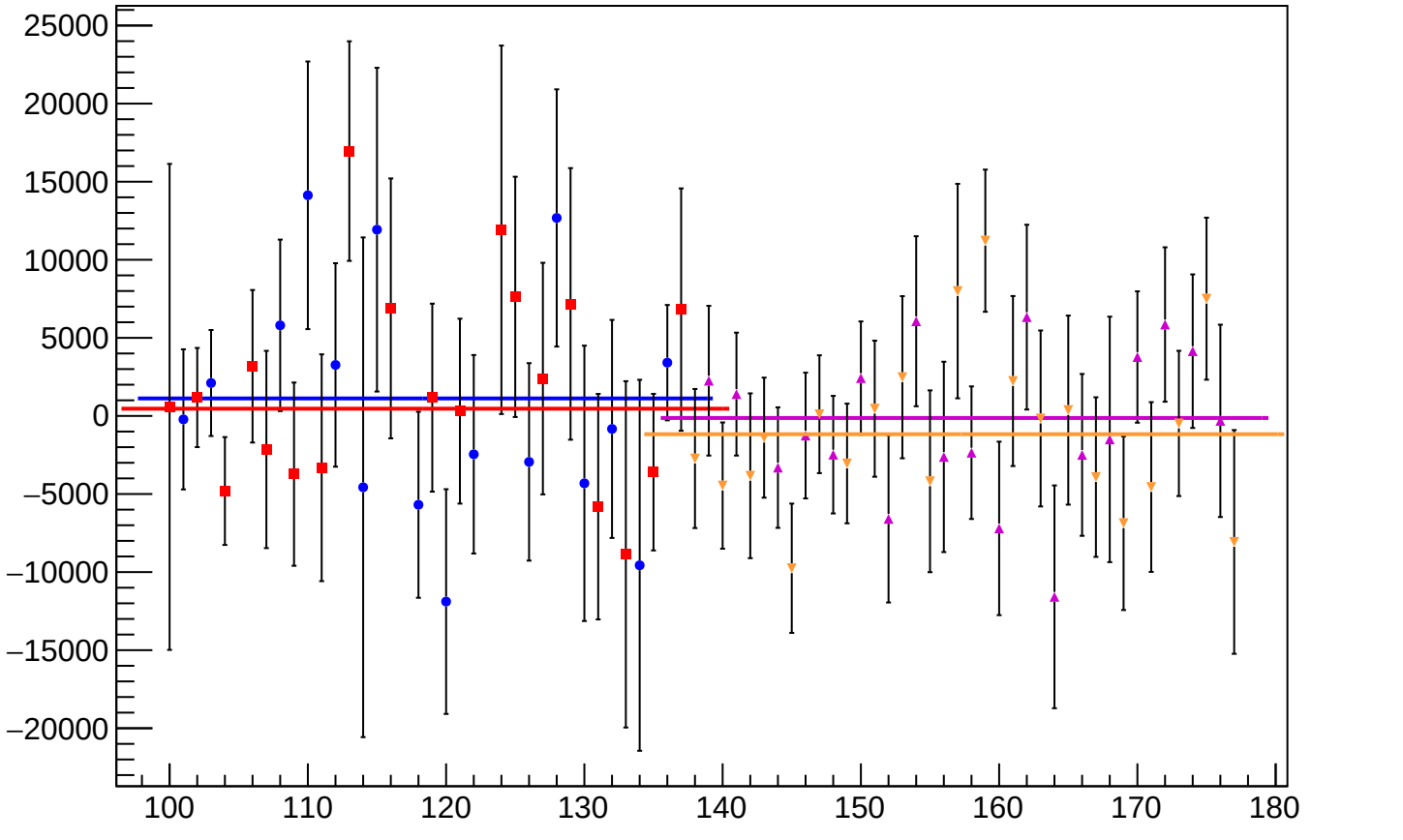
Left: 1855.997+/-0.231 χ^2/NDF: 38102.9/39

Right: 1903.324+/-0.359 χ^2/NDF: 916602.9/34

In: 1871.191+/-0.279 χ^2/NDF:720660.1/34

Out: 1868.645+/-0.271 χ^2/NDF:246286.0/39

All: 1869.878+/-0.194 χ^2/NDF: 966988.9/74



Right In: 1120.159+/-1497.669 χ^2/NDF: 13.5/15

Left Out: -1169.445+/-1053.712 χ^2/NDF:21.8/20

Right Out: 464.367+/-1370.817 χ^2/NDF: 15.0/18

Left In: -131.658+/-1095.182 χ^2/NDF:13.9/18

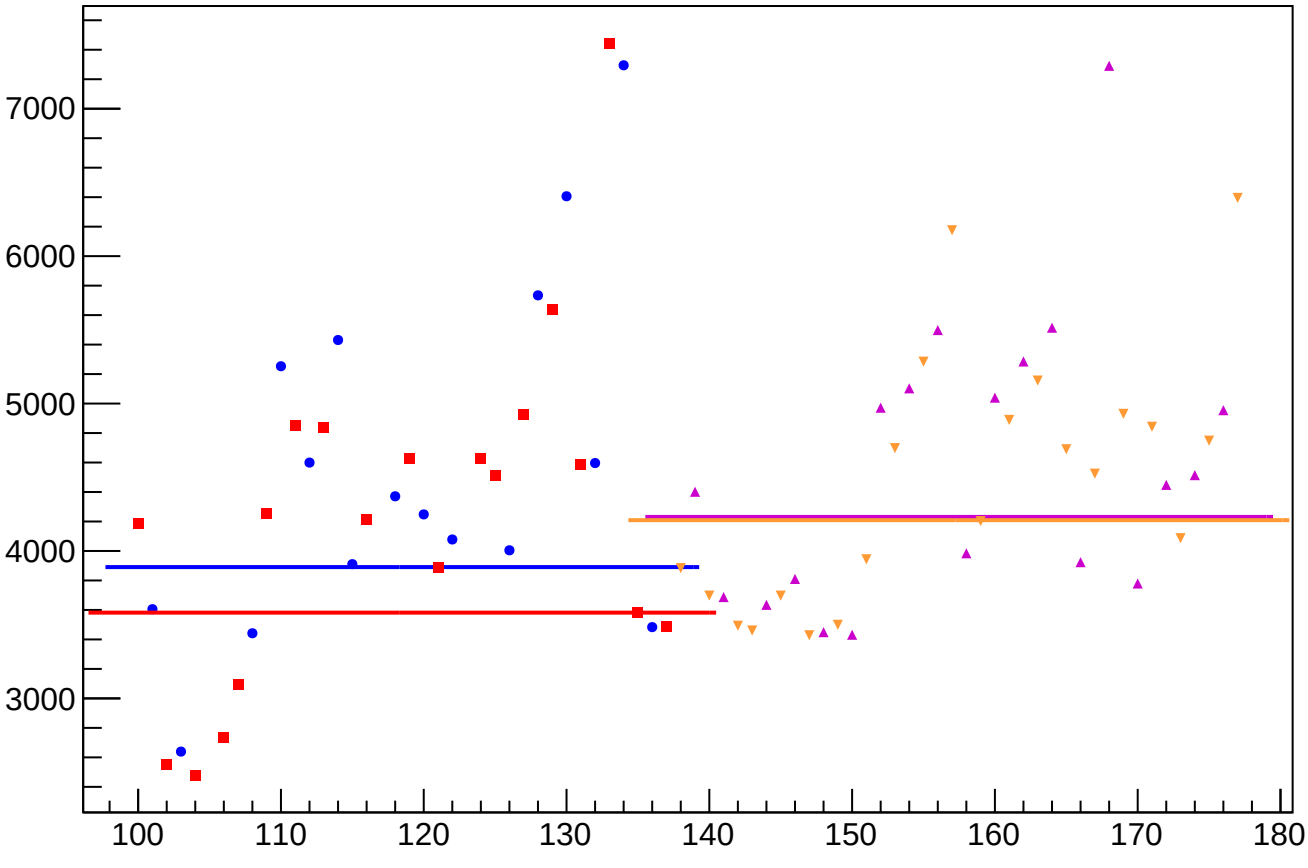
Left: -670.571+/-759.324 χ^2/NDF: 36.2/39

Right: 763.319+/-1011.191 χ^2/NDF: 28.6/34

In: 304.503+/-884.034 χ^2/NDF:27.9/34

Out: -562.631+/-835.422 χ^2/NDF:37.7/39

All: -153.560+/-607.191 χ^2/NDF: 66.0/74



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 4208.865+/-0.745 χ^2/NDF:975476.8/20

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

Left In: 4231.054+/-0.774 χ^2/NDF:1018551.6/18

Left: 4219.531+/-0.537 χ^2/NDF: 1994454.8/39

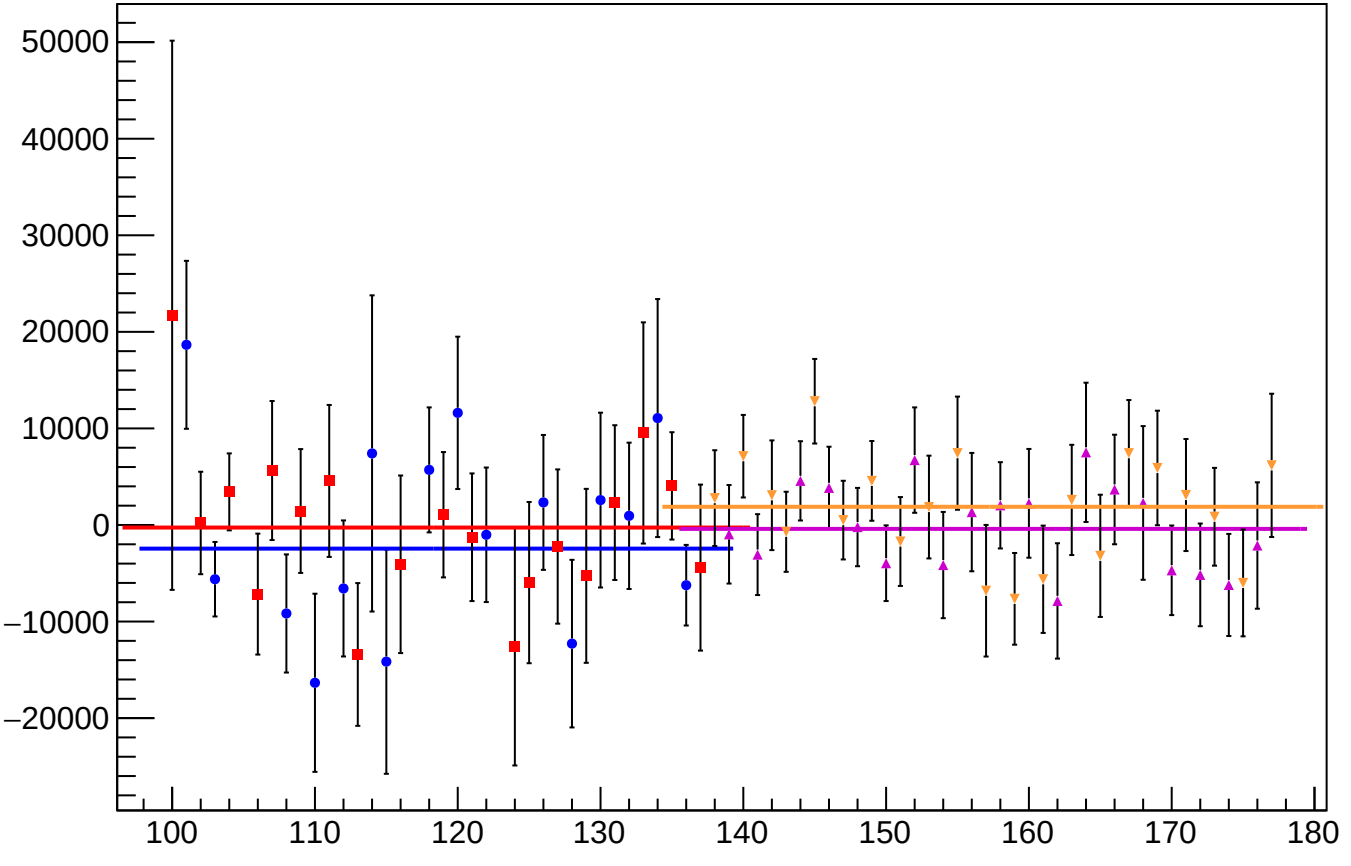
Right: 3722.606+/-0.715 χ^2/NDF: 2146560.1/34

In: 4112.469+/-0.625 χ^2/NDF:1964260.5/34

Out: 3975.958+/-0.591 χ^2/NDF:2460407.8/39

All: 4040.357+/-0.429 χ^2/NDF: 4449860.3/74

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 1883.672+/-1116.485 χ^2/NDF:22.3/20

Right Out: -265.886+/-1622.574 χ^2/NDF: 10.7/18

Left In: -404.404+/-1157.951 χ^2/NDF:12.8/18

Left: 781.334+/-803.734 χ^2/NDF: 37.1/39

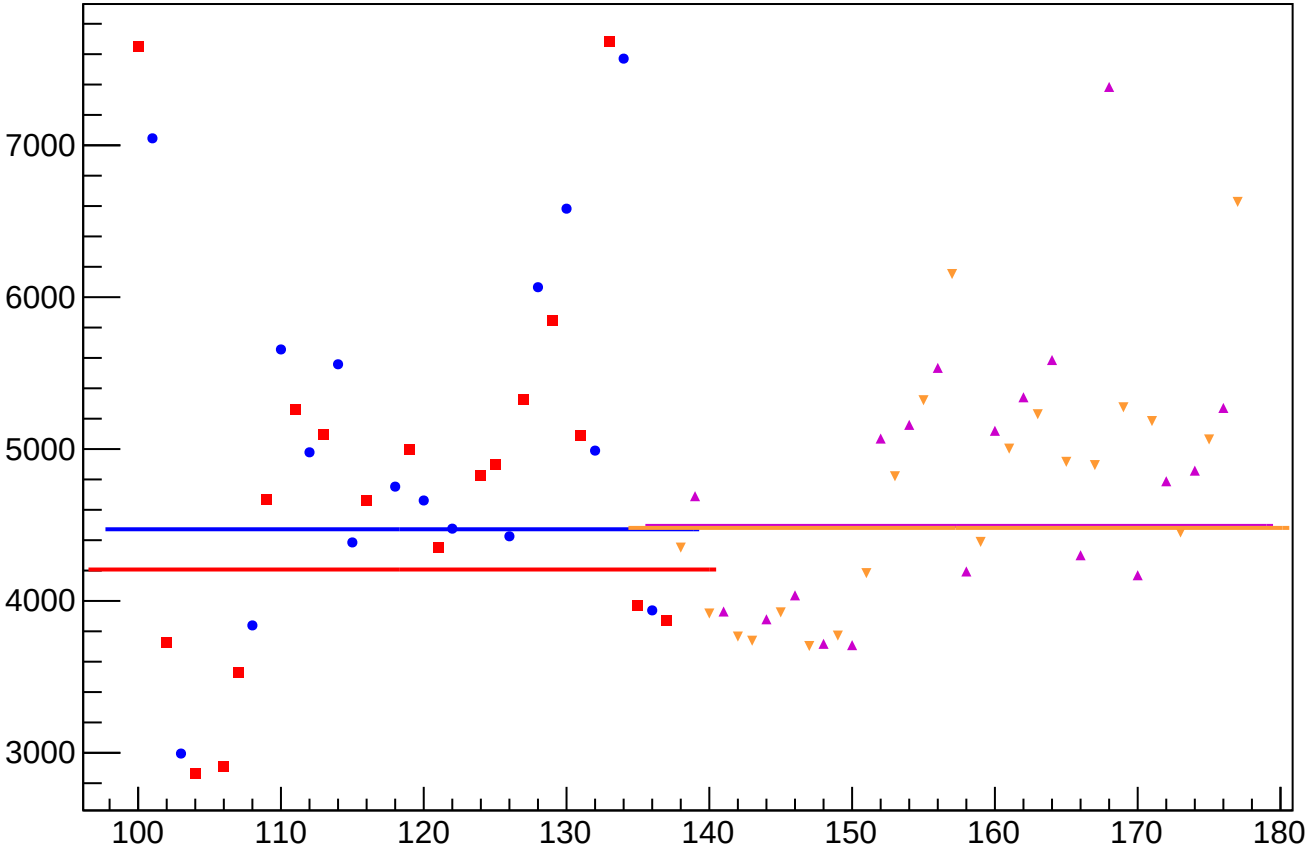
Right: -1293.712+/-1180.174 χ^2/NDF: 32.4/34

In: -1041.999+/-960.502 χ^2/NDF:34.6/34

Out: 1192.950+/-919.775 χ^2/NDF:34.2/39

All: 123.861+/-664.311 χ^2/NDF: 71.7/74

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 4480.911+/-0.789 χ^2/NDF:802715.1/20

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

Left In: 4494.052+/-0.819 χ^2/NDF:809304.0/18

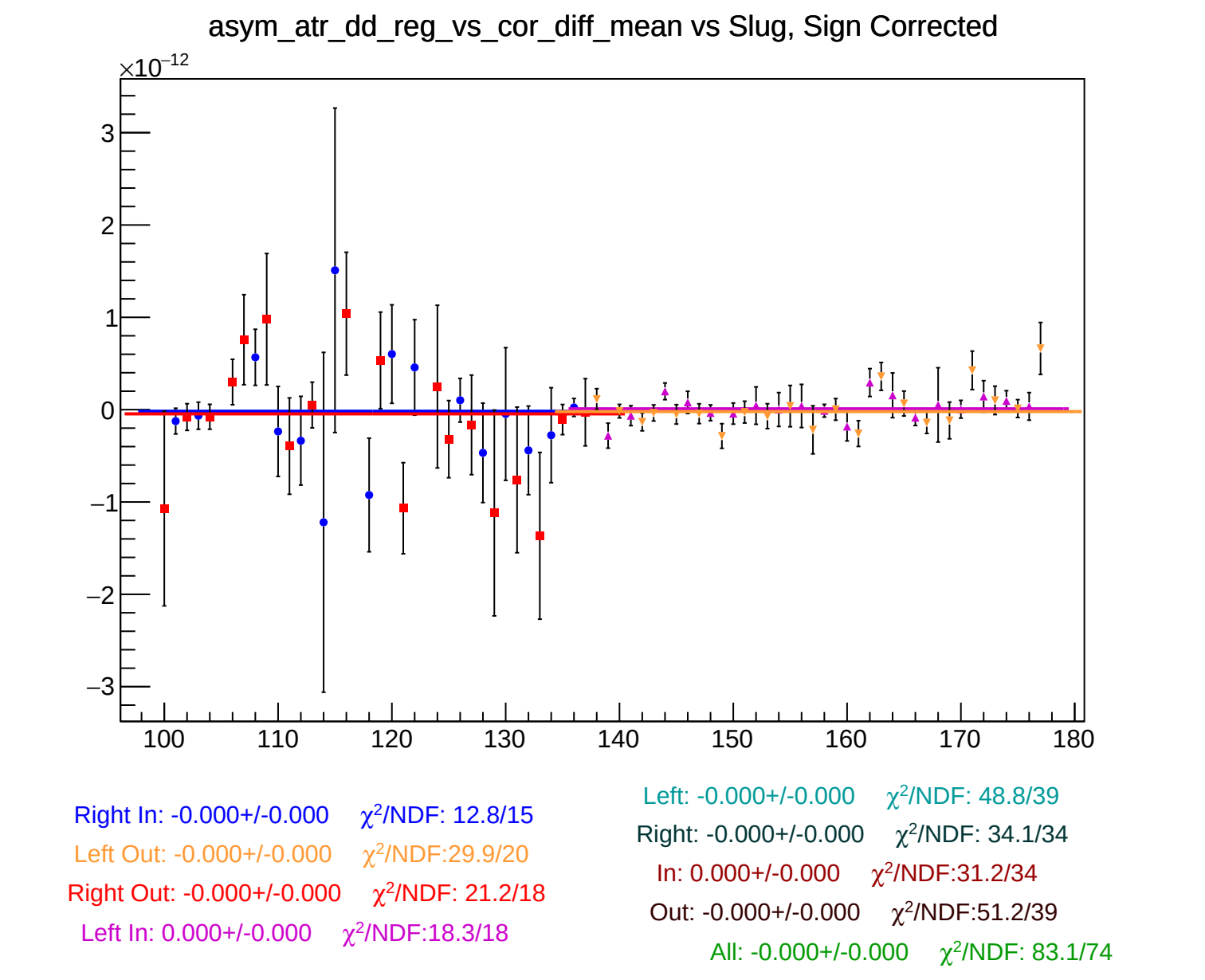
Left: 4487.242+/-0.568 χ^2/NDF: 1612152.6/39

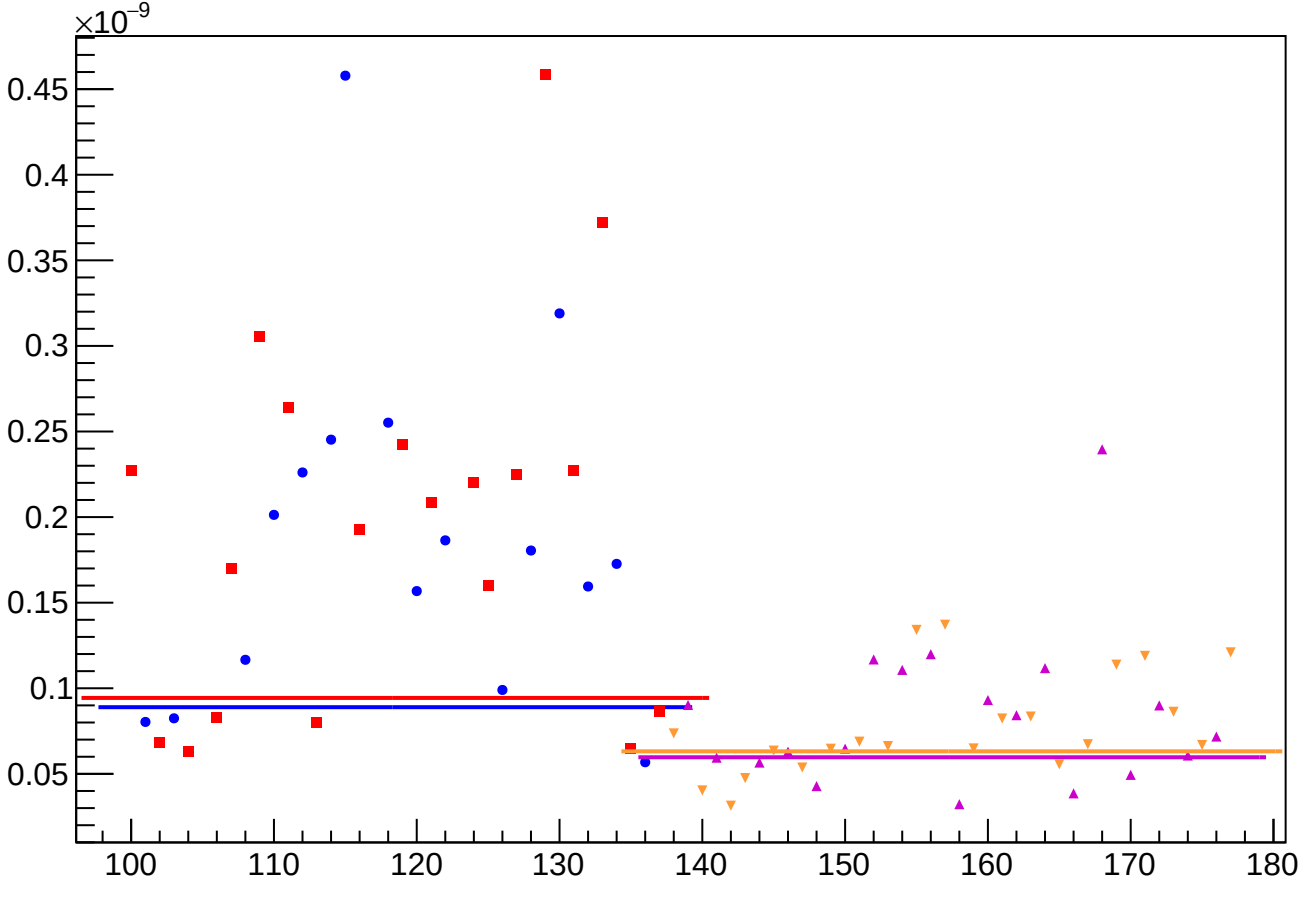
Right: 4330.631+/-0.831 χ^2/NDF: 1763521.7/34

In: 4487.143+/-0.679 χ^2/NDF:1701210.7/34

Out: 4391.883+/-0.649 χ^2/NDF:1688379.0/39

All: 4437.324+/-0.469 χ^2/NDF: 3399877.7/74


asym_atr_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 12.8/15
Left Out: -0.000+/-0.000 χ²/NDF:29.9/20
Right Out: -0.000+/-0.000 χ²/NDF: 21.2/18
Left In: 0.000+/-0.000 χ²/NDF:18.3/18
Left: -0.000+/-0.000 χ²/NDF: 48.8/39
Right: -0.000+/-0.000 χ²/NDF: 34.1/34
In: 0.000+/-0.000 χ²/NDF:31.2/34
Out: -0.000+/-0.000 χ²/NDF:51.2/39
All: -0.000+/-0.000 χ²/NDF: 83.1/74



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1365703.7/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1805229.4/18

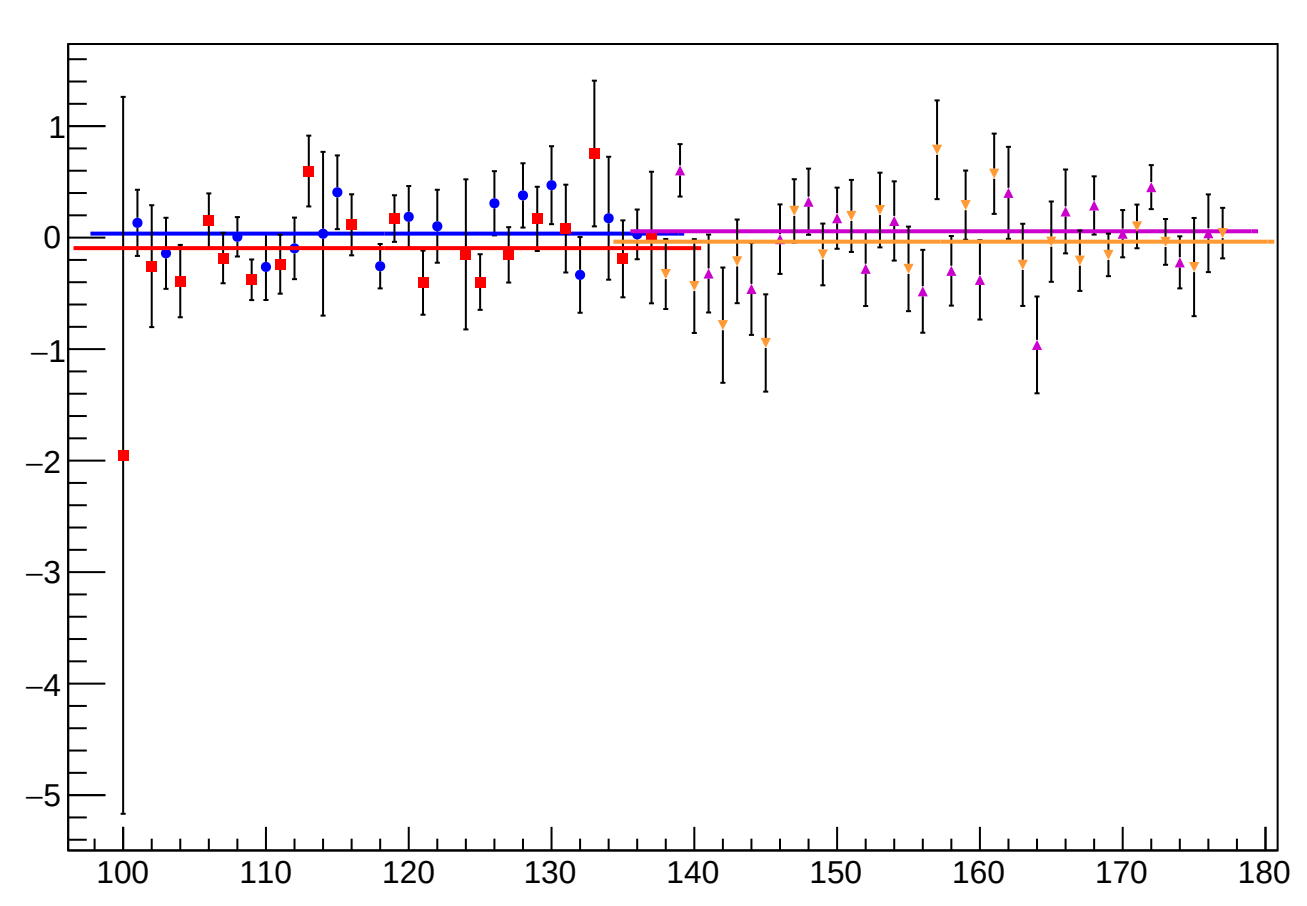
Left: 0.000+/-0.000 χ^2/NDF: 3187422.8/39

Right: 0.000+/-0.000 χ^2/NDF: 2932262.7/34

In: 0.000+/-0.000 χ^2/NDF:3413846.3/34

Out: 0.000+/-0.000 χ^2/NDF:3424734.4/39

All: 0.000+/-0.000 χ^2/NDF: 6851131.1/74



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.036+/-0.065 χ^2/NDF:20.6/20

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.057+/-0.068 χ^2/NDF:27.8/18

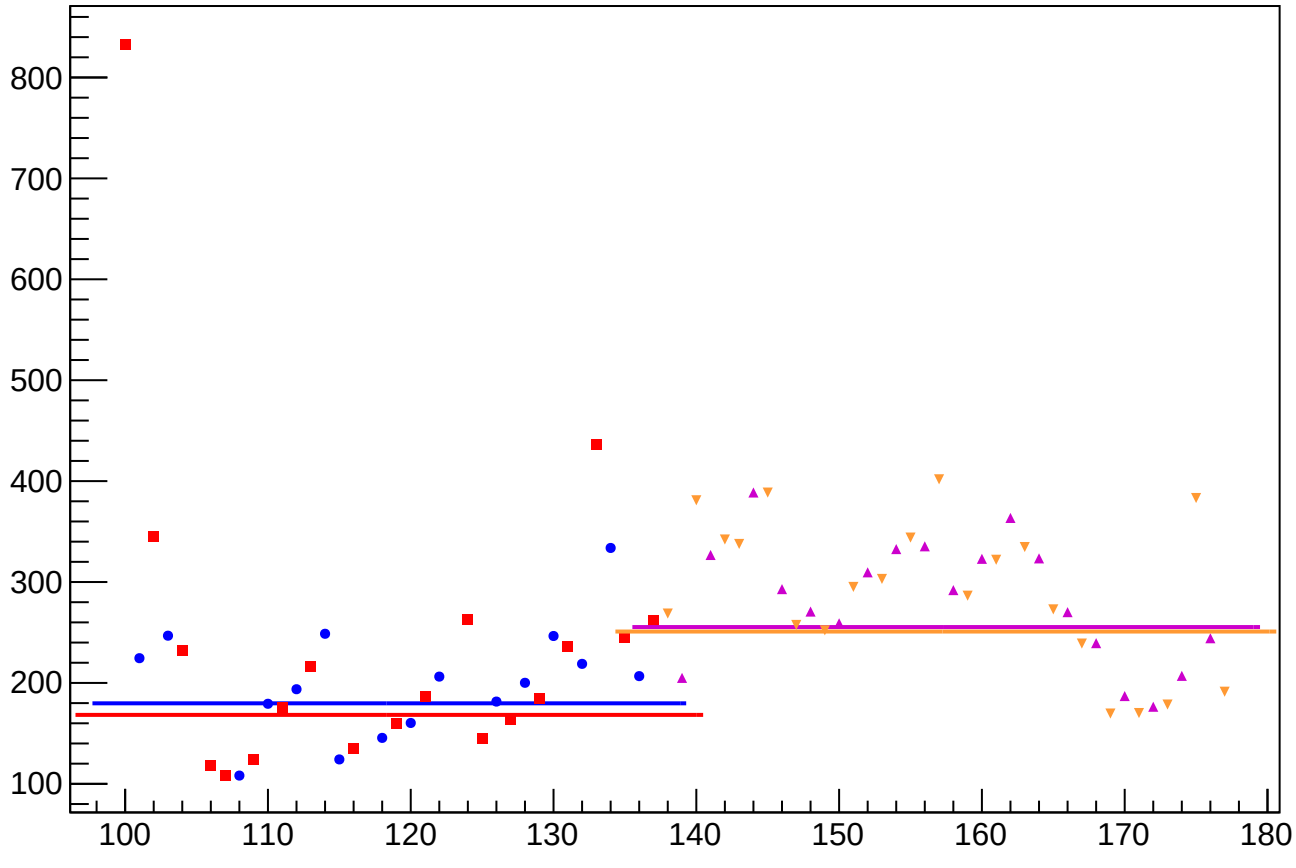
Left: 0.008+/-0.047 χ^2/NDF: 49.4/39

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.047+/-0.049 χ^2/NDF:38.4/34

Out: -0.064+/-0.047 χ^2/NDF:38.6/39

All: -0.011+/-0.034 χ^2/NDF: 79.7/74



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 250.934+/-0.046 χ^2/NDF:2495856.1/20

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 255.375+/-0.048 χ^2/NDF:1571676.5/18

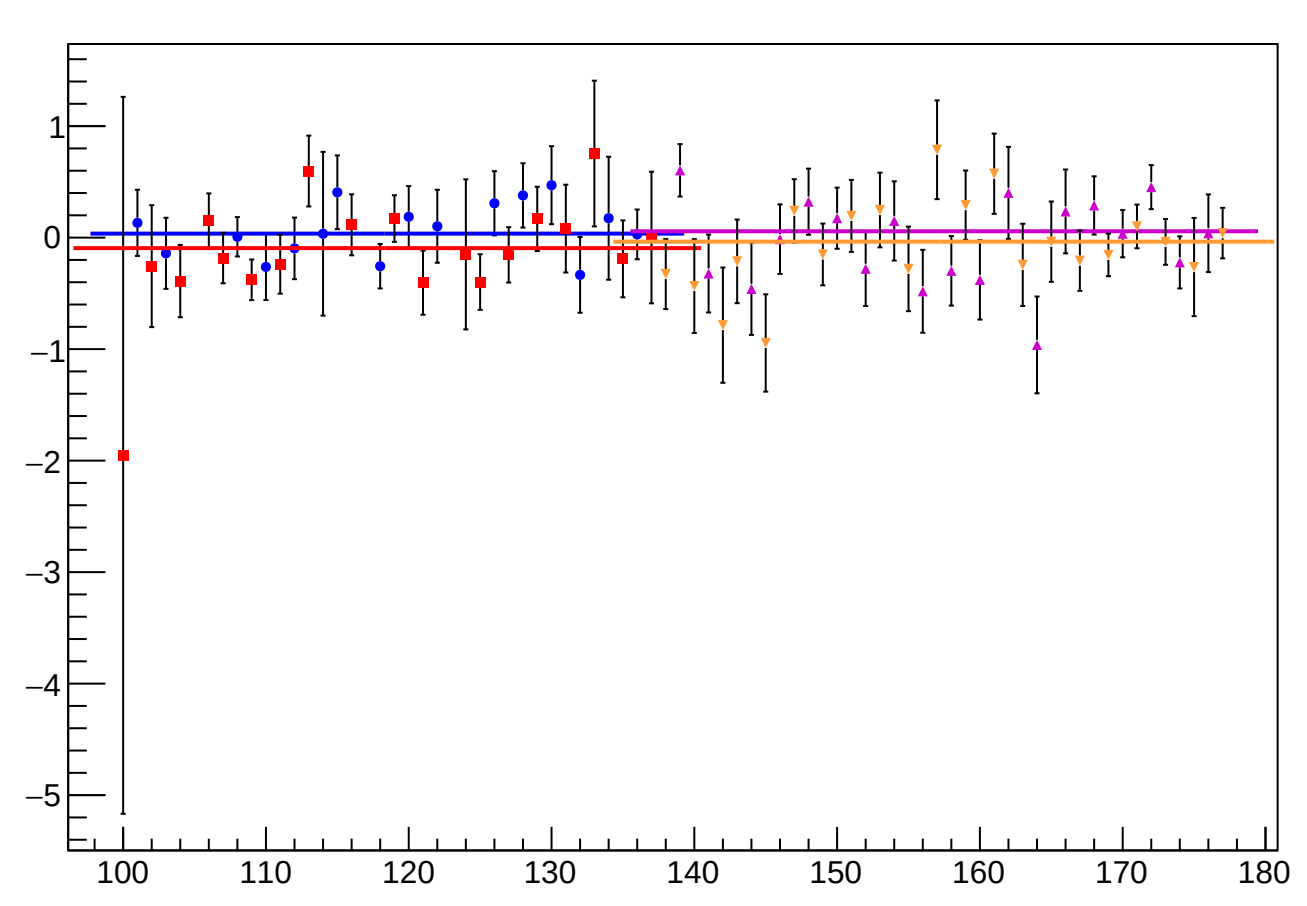
Left: 253.057+/-0.033 χ^2/NDF: 4071994.8/39

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 219.038+/-0.035 χ^2/NDF:3680972.8/34

Out: 211.273+/-0.033 χ^2/NDF:5455887.2/39

All: 214.988+/-0.024 χ^2/NDF: 9163117.9/74



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.036+/-0.065 χ^2/NDF:20.6/20

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.057+/-0.068 χ^2/NDF:27.8/18

Left: 0.008+/-0.047 χ^2/NDF: 49.4/39

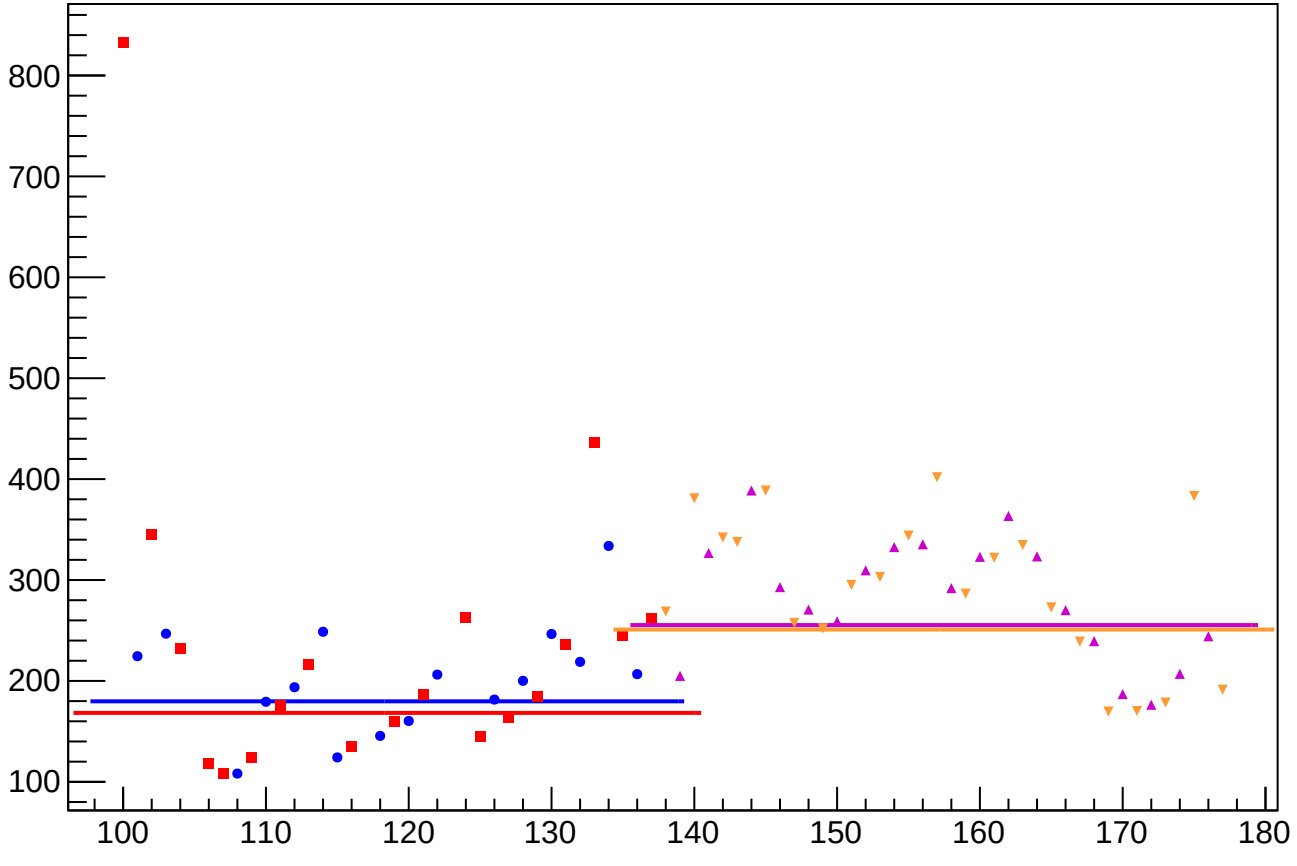
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.047+/-0.049 χ^2/NDF:38.4/34

Out: -0.064+/-0.047 χ^2/NDF:38.6/39

All: -0.011+/-0.034 χ^2/NDF: 79.7/74

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: 250.934+/-0.046 χ^2/NDF:2495856.1/20

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 255.375+/-0.048 χ^2/NDF:1571676.5/18

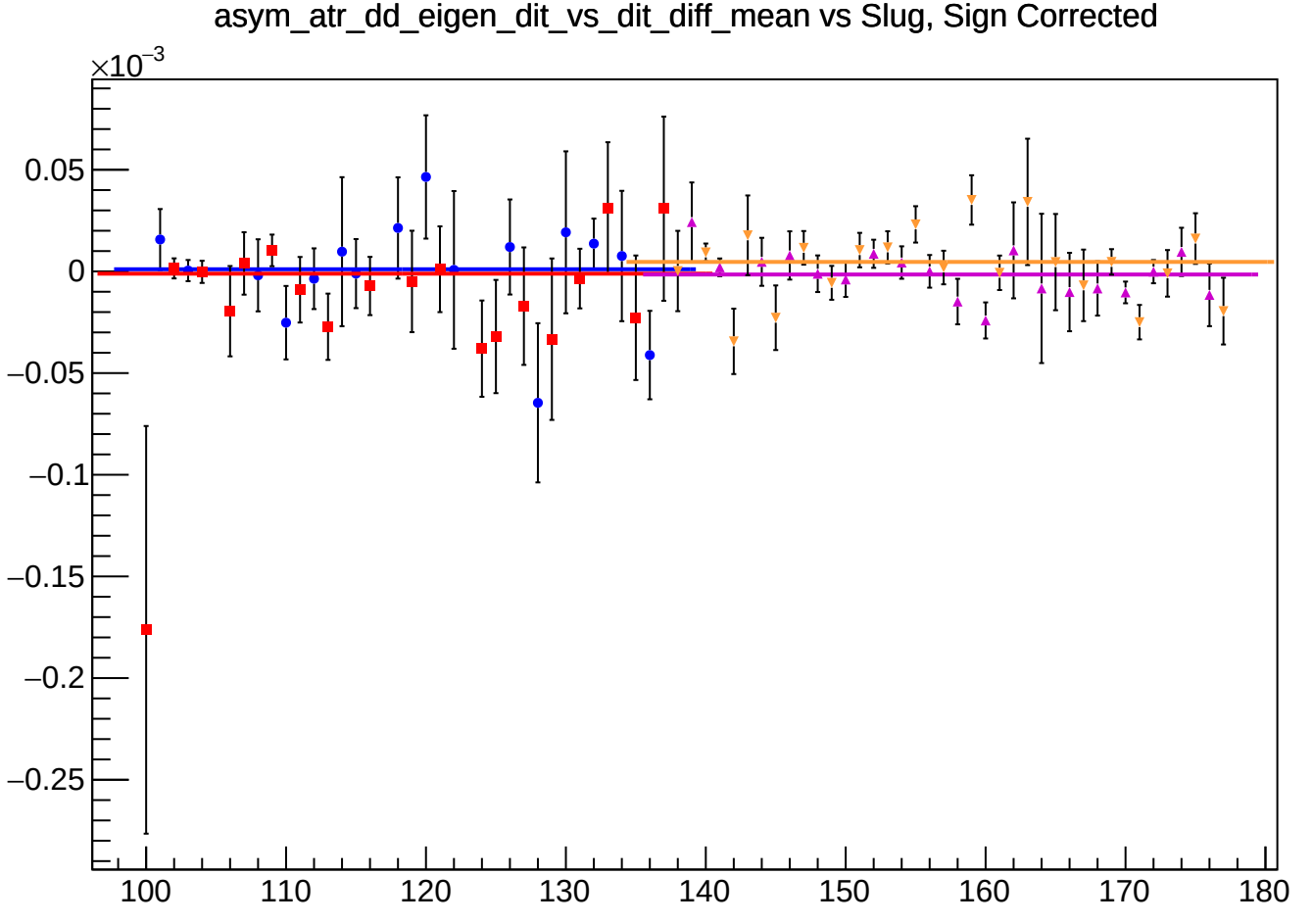
Left: 253.057+/-0.033 χ^2/NDF: 4071994.8/39

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 219.038+/-0.035 χ^2/NDF:3680972.8/34

Out: 211.273+/-0.033 χ^2/NDF:5455887.2/39

All: 214.988+/-0.024 χ^2/NDF: 9163117.9/74



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.9/20

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

Left In: -0.000+/-0.000 χ^2/NDF:18.9/18

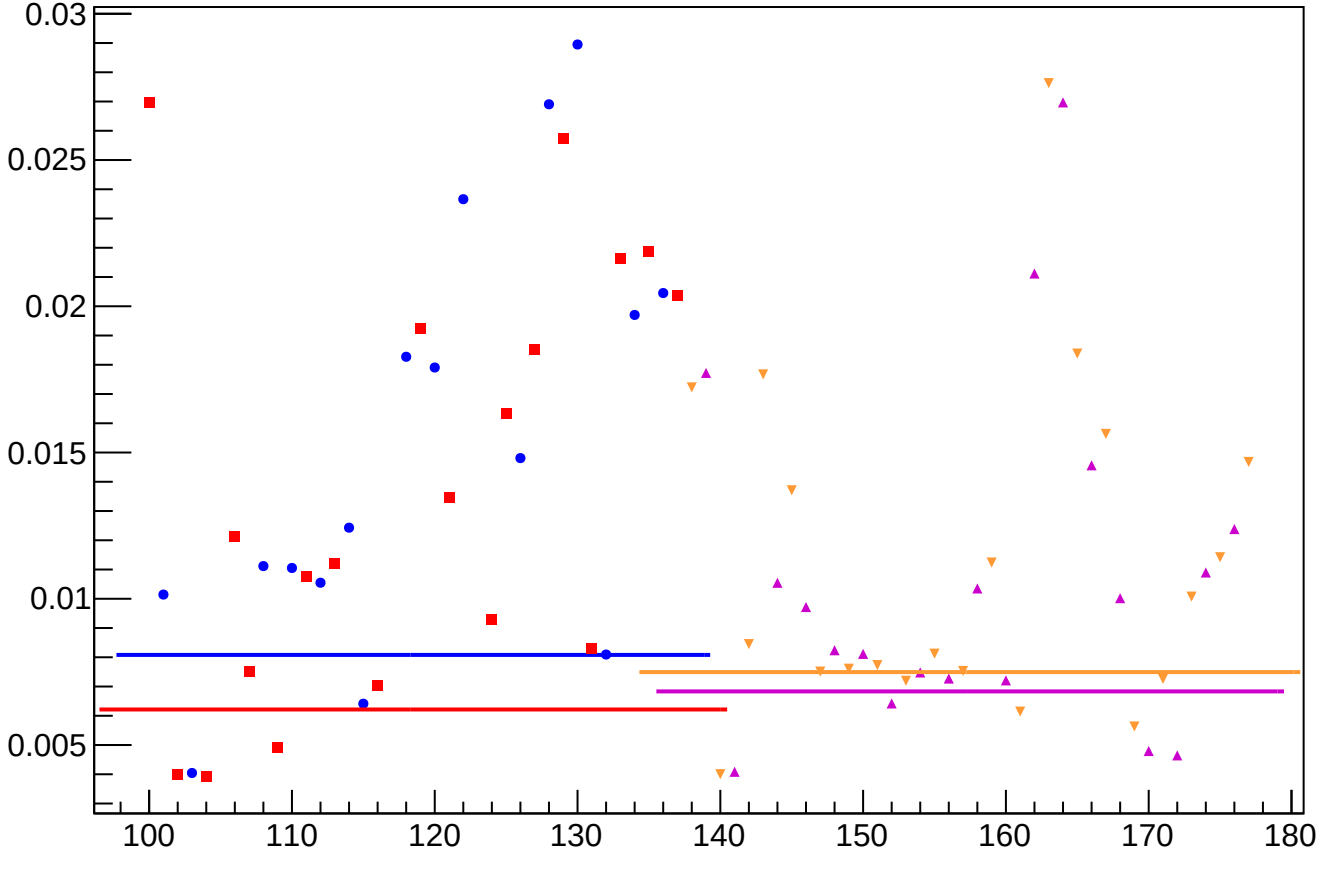
Left: 0.000+/-0.000 χ^2/NDF: 65.5/39

Right: -0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:33.6/34

Out: 0.000+/-0.000 χ^2/NDF:60.7/39

All: 0.000+/-0.000 χ^2/NDF: 96.5/74



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.007+/-0.000 χ^2/NDF:5421773.6/20

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

Left In: 0.007+/-0.000 χ^2/NDF:4911678.5/18

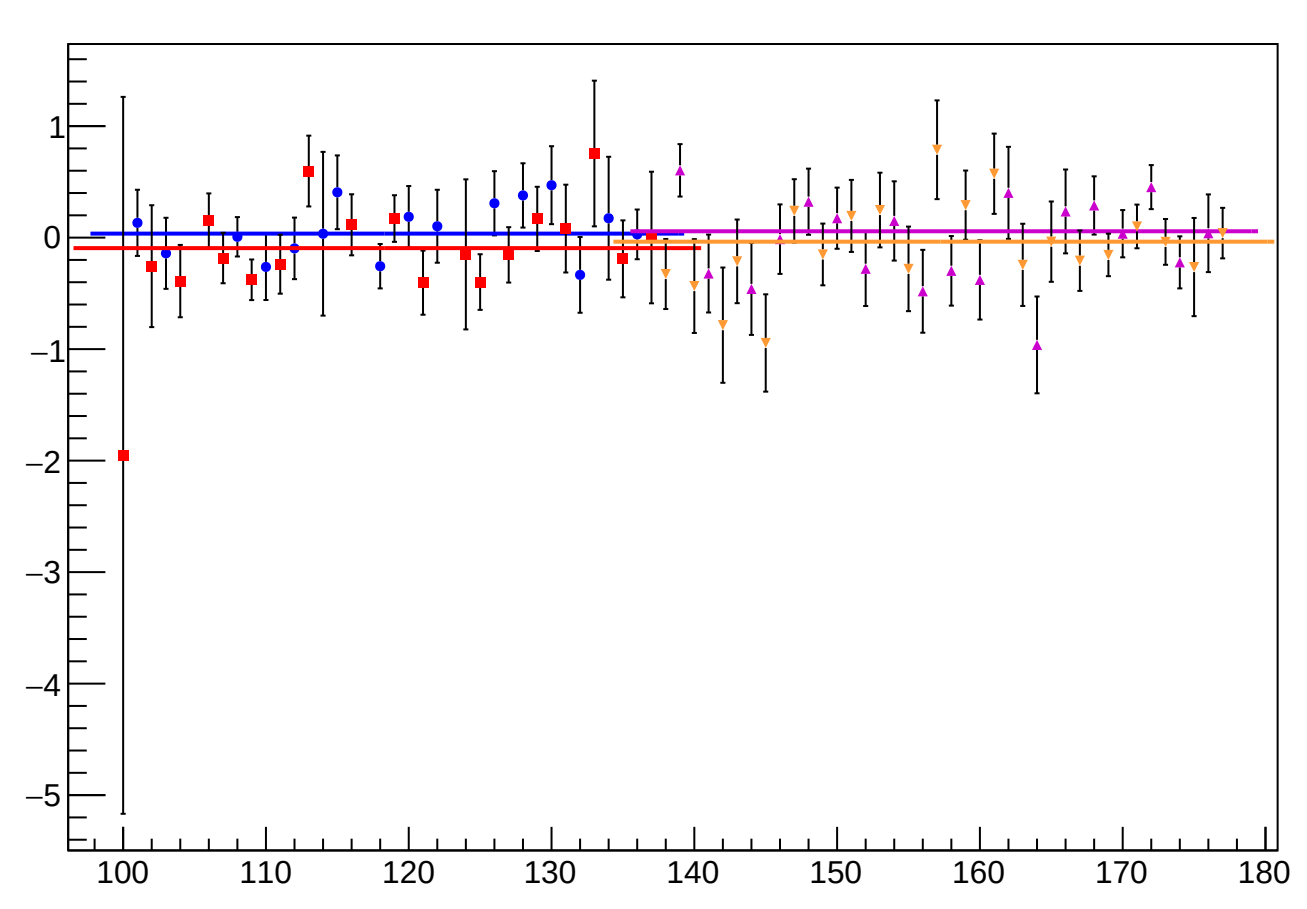
Left: 0.007+/-0.000 χ^2/NDF: 10440366.8/39

Right: 0.007+/-0.000 χ^2/NDF: 9295058.4/34

In: 0.007+/-0.000 χ^2/NDF:9501185.4/34

Out: 0.007+/-0.000 χ^2/NDF:10251012.5/39

All: 0.007+/-0.000 χ^2/NDF: 19753482.9/74



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.036+/-0.065 χ^2/NDF:20.6/20

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.057+/-0.068 χ^2/NDF:27.8/18

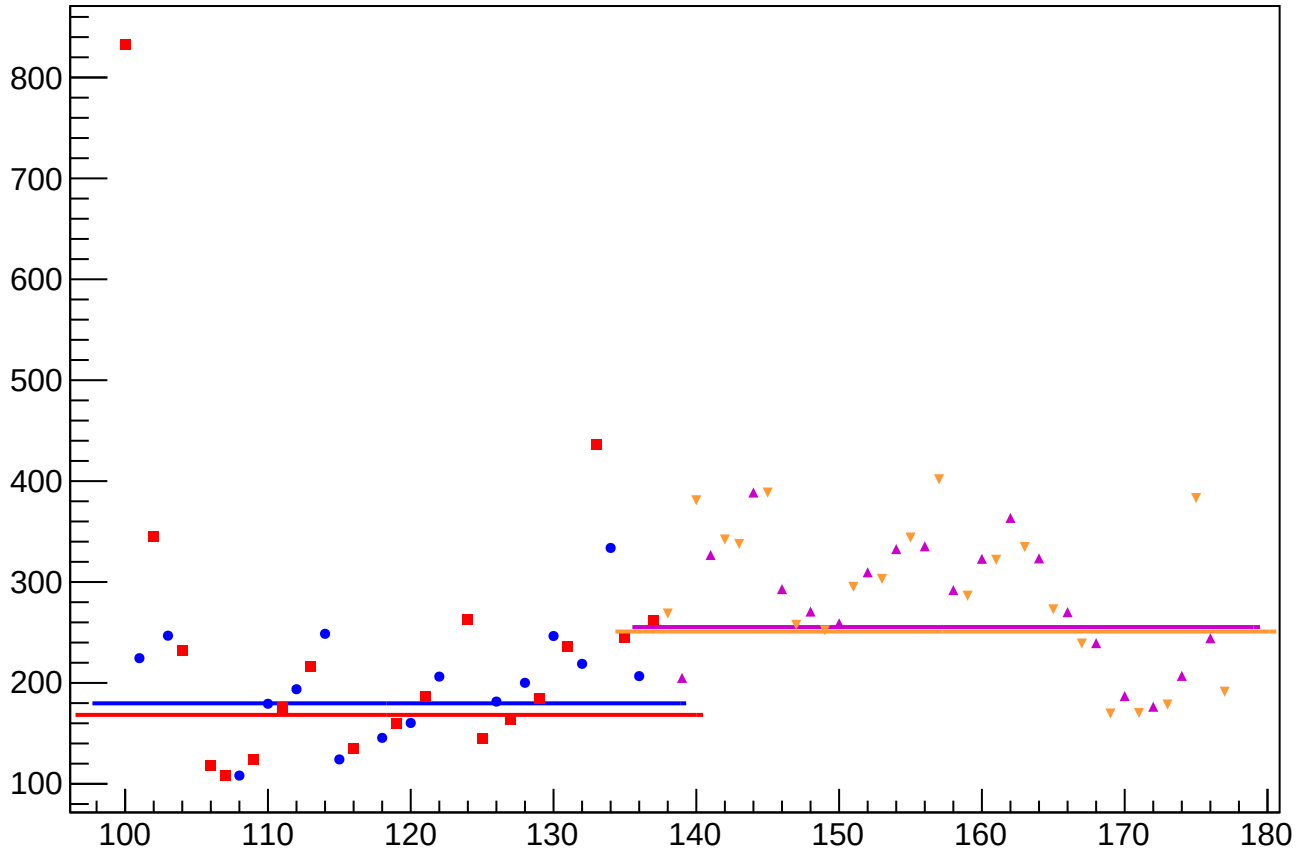
Left: 0.008+/-0.047 χ^2/NDF: 49.4/39

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.047+/-0.049 χ^2/NDF:38.4/34

Out: -0.064+/-0.047 χ^2/NDF:38.6/39

All: -0.011+/-0.034 χ^2/NDF: 79.7/74



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 250.936+/-0.046 χ^2/NDF:2495975.7/20

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 255.377+/-0.048 χ^2/NDF:1571730.2/18

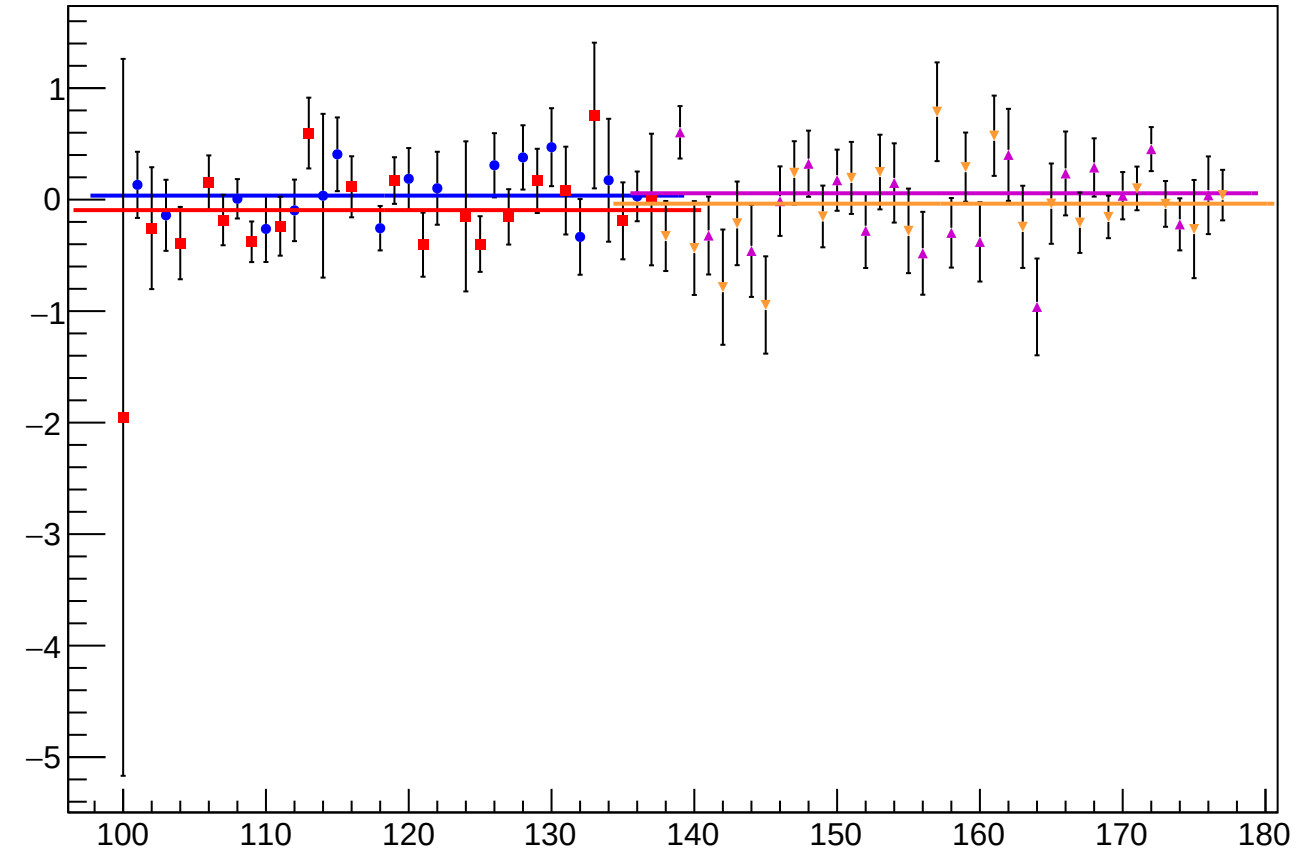
Left: 253.059+/-0.033 χ^2/NDF: 4072169.7/39

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 219.037+/-0.035 χ^2/NDF:3681234.9/34

Out: 211.274+/-0.033 χ^2/NDF:5456061.1/39

All: 214.987+/-0.024 χ^2/NDF: 9163545.6/74



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.036+/-0.065 χ^2/NDF:20.6/20

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.057+/-0.068 χ^2/NDF:27.8/18

Left: 0.008+/-0.047 χ^2/NDF: 49.4/39

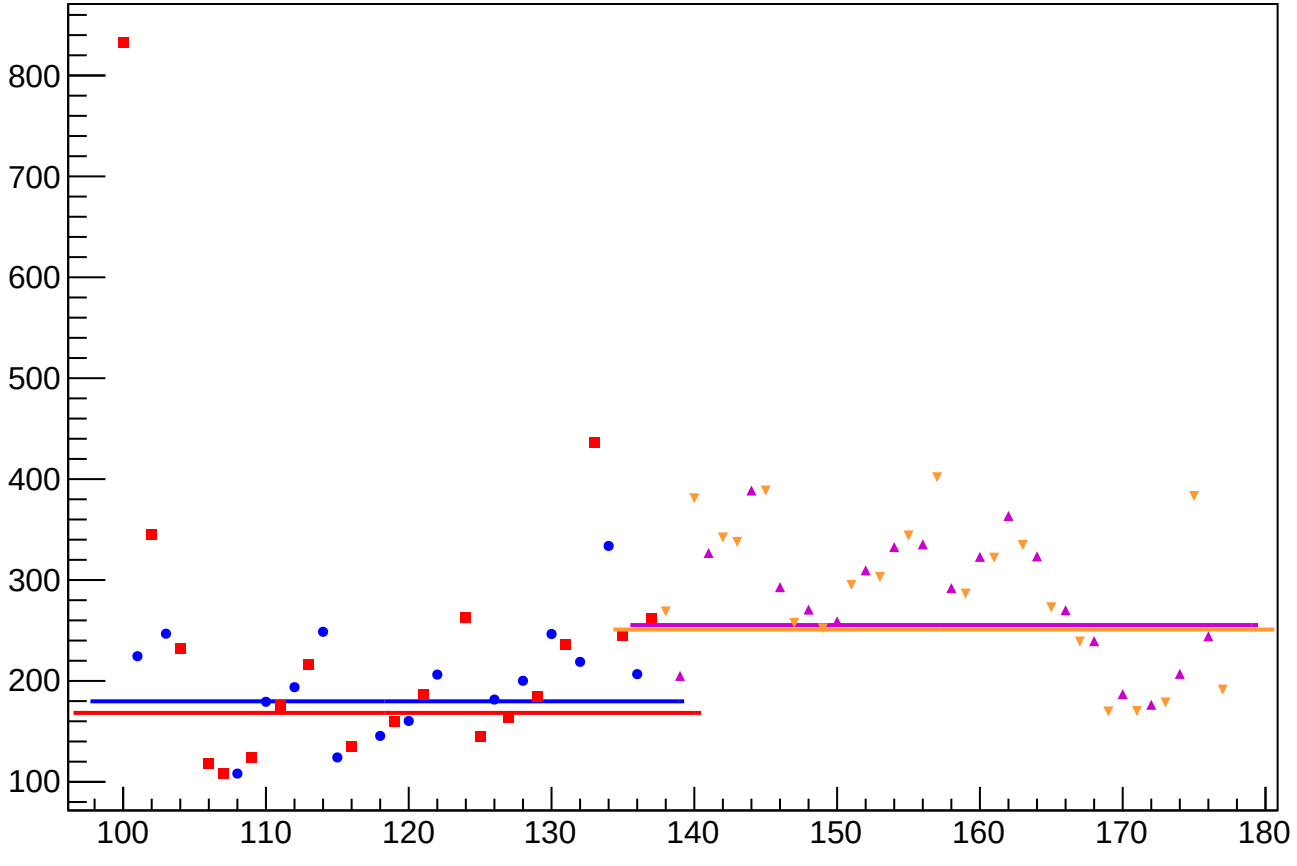
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.047+/-0.049 χ^2/NDF:38.4/34

Out: -0.064+/-0.047 χ^2/NDF:38.6/39

All: -0.011+/-0.034 χ^2/NDF: 79.7/74

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: 250.936+/-0.046 χ^2/NDF:2495975.7/20

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 255.377+/-0.048 χ^2/NDF:1571730.2/18

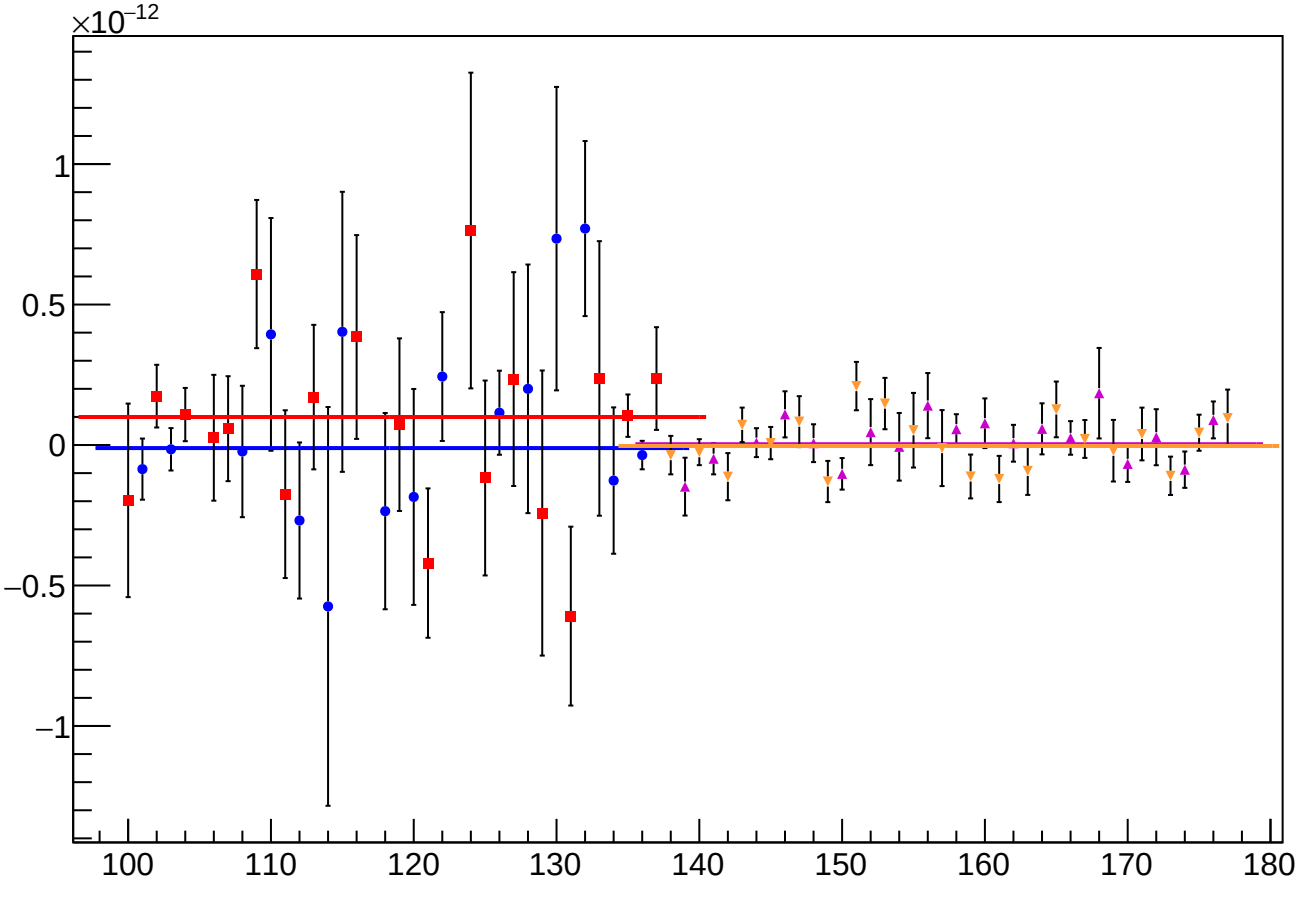
Left: 253.059+/-0.033 χ^2/NDF: 4072169.7/39

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 219.037+/-0.035 χ^2/NDF:3681234.9/34

Out: 211.274+/-0.033 χ^2/NDF:5456061.1/39

All: 214.987+/-0.024 χ^2/NDF: 9163545.6/74



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.7/20

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:18.2/18

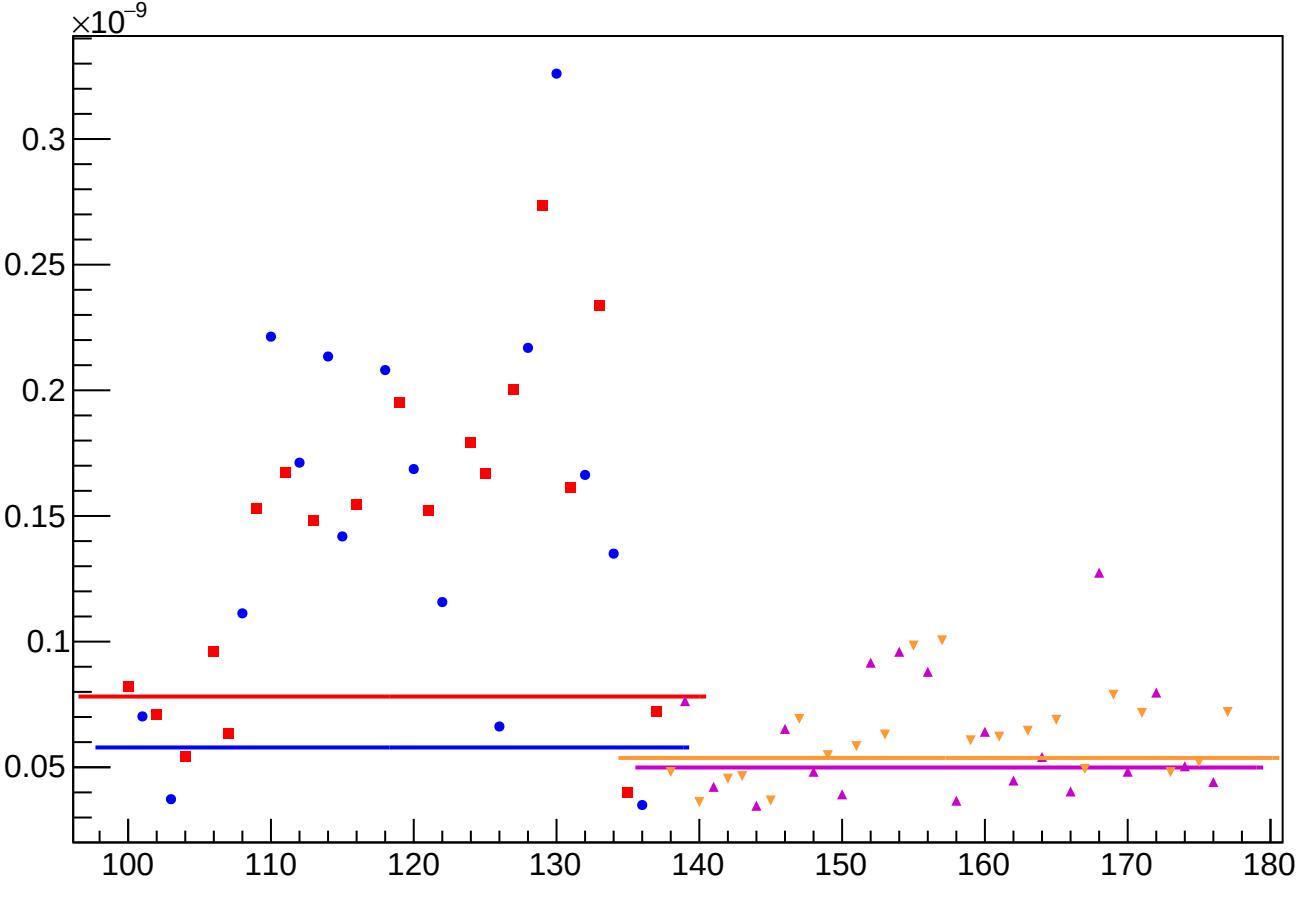
Left: -0.000+/-0.000 χ^2/NDF: 46.0/39

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: 0.000+/-0.000 χ^2/NDF:33.4/34

Out: 0.000+/-0.000 χ^2/NDF:51.3/39

All: 0.000+/-0.000 χ^2/NDF: 84.9/74



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1456574.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

Left In: 0.000+/-0.000 χ^2/NDF:2149765.8/18

Left: 0.000+/-0.000 χ^2/NDF: 3658832.8/39

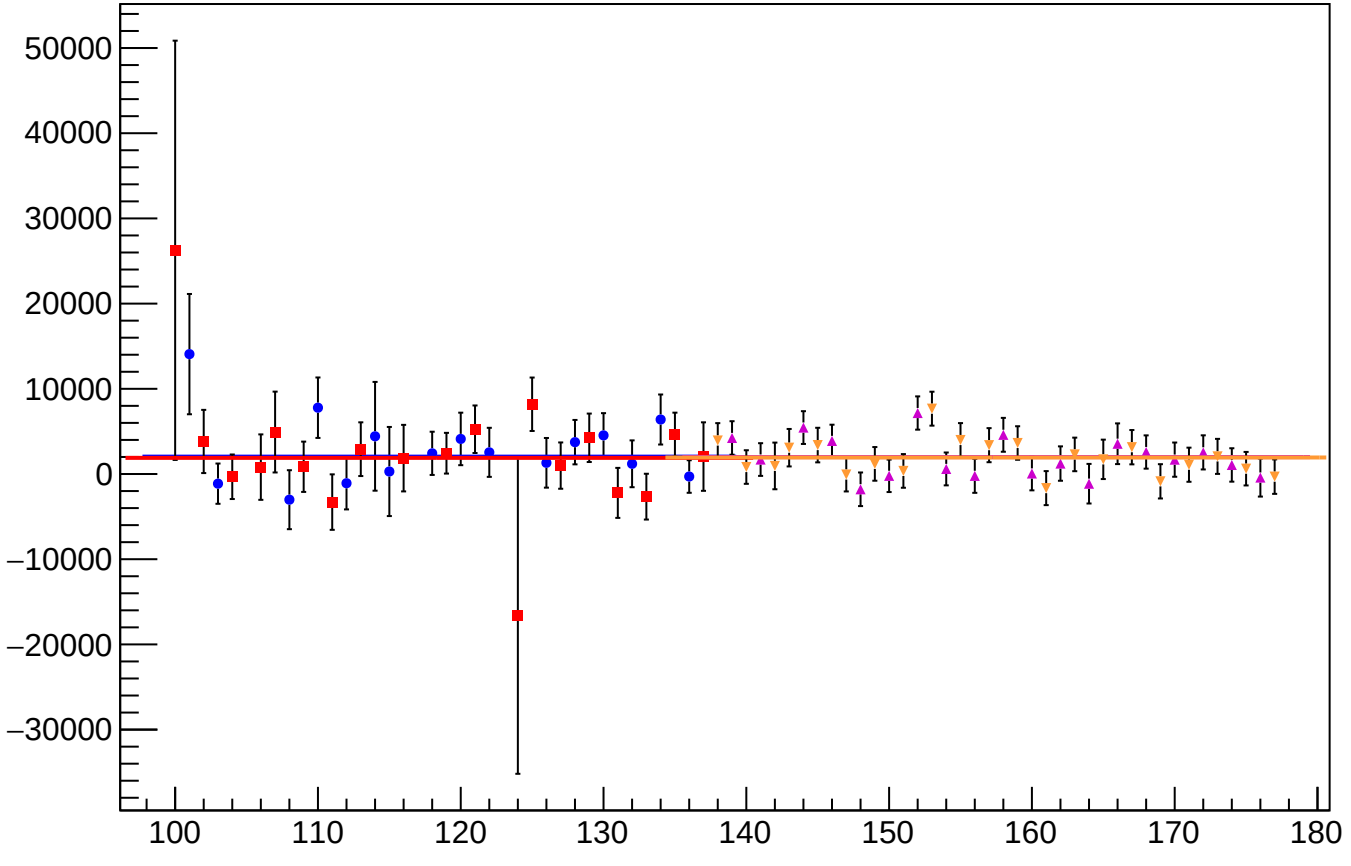
Right: 0.000+/-0.000 χ^2/NDF: 6327236.3/34

In: 0.000+/-0.000 χ^2/NDF:5556690.0/34

Out: 0.000+/-0.000 χ^2/NDF:4770231.8/39

All: 0.000+/-0.000 χ^2/NDF: 10466091.2/74

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 1939.644+/-445.480 χ^2/NDF:22.0/20

Right Out: 1895.242+/-736.762 χ^2/NDF: 18.5/18

Left In: 1985.048+/-459.949 χ^2/NDF:26.0/18

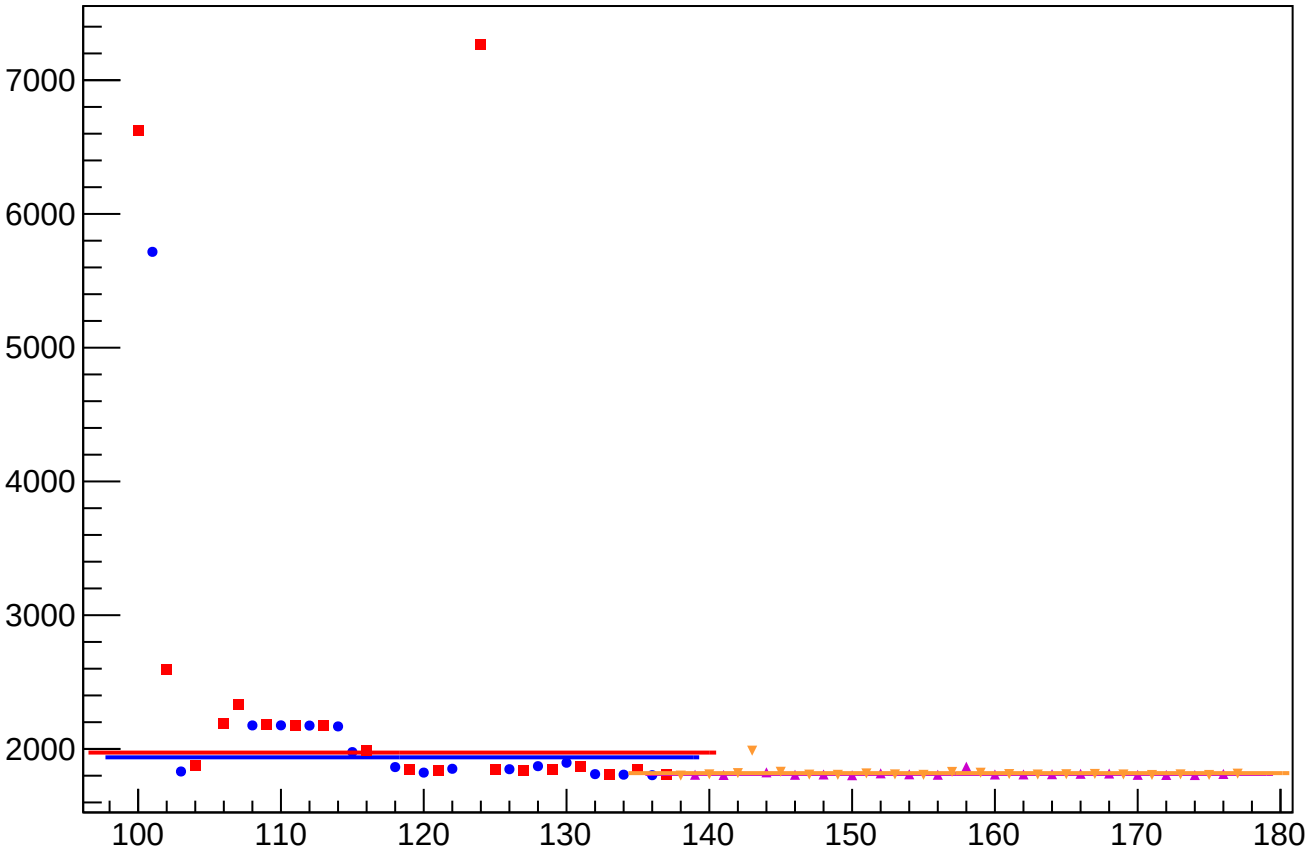
Left: 1961.620+/-319.995 χ^2/NDF: 48.0/39

Right: 1967.281+/-520.774 χ^2/NDF: 35.0/34

In: 2000.254+/-390.079 χ^2/NDF:42.4/34

Out: 1927.757+/-381.212 χ^2/NDF:40.6/39

All: 1963.172+/-272.639 χ^2/NDF: 83.0/74



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1819.187+/-0.315 χ^2/NDF:12654.7/20

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

Left In: 1813.229+/-0.325 χ^2/NDF:1823.2/18

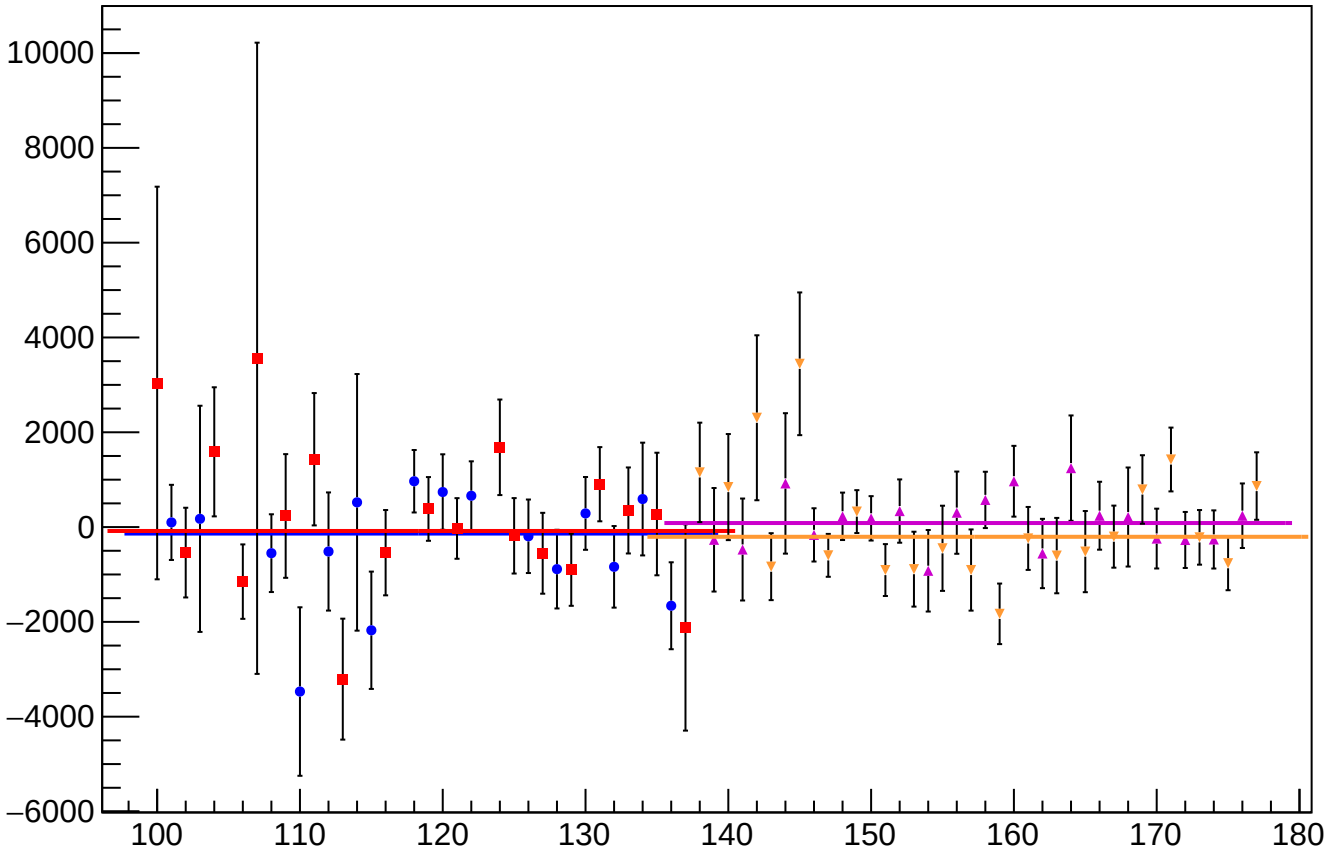
Left: 1816.303+/-0.226 χ^2/NDF: 14651.0/39

Right: 1954.992+/-0.368 χ^2/NDF: 1017954.2/34

In: 1848.047+/-0.276 χ^2/NDF:680739.1/34

Out: 1860.301+/-0.270 χ^2/NDF:453825.6/39

All: 1854.315+/-0.193 χ^2/NDF: 1135574.3/74



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: -205.024+/-150.786 χ^2/NDF:34.4/20

Right Out: -82.296+/-222.019 χ^2/NDF: 19.7/18

Left In: 85.425+/-159.791 χ^2/NDF:7.6/18

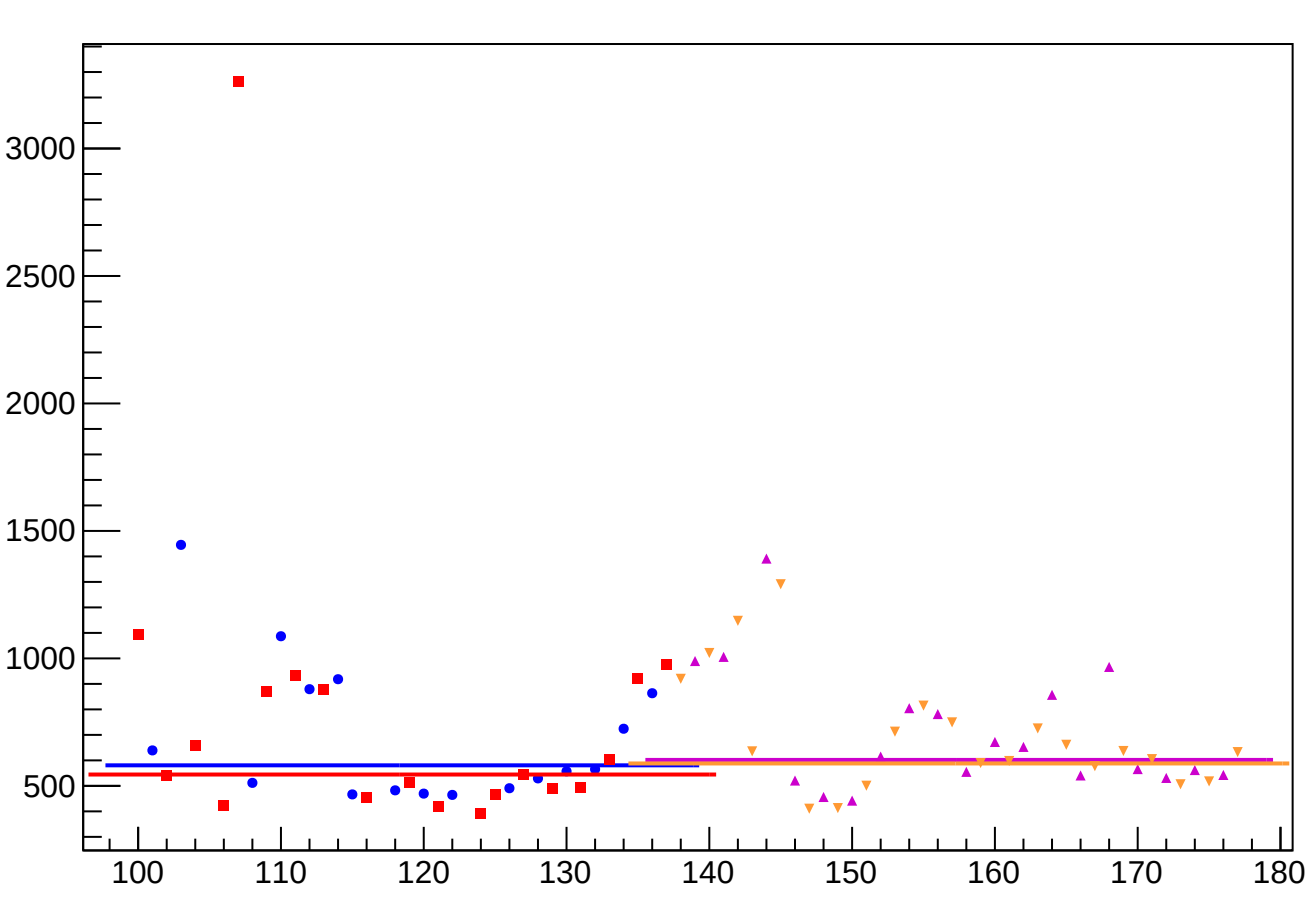
Left: -68.214+/-109.667 χ^2/NDF: 43.8/39

Right: -108.459+/-159.882 χ^2/NDF: 36.7/34

In: 13.315+/-131.309 χ^2/NDF:25.1/34

Out: -166.284+/-124.738 χ^2/NDF:54.4/39

All: -81.091+/-90.437 χ^2/NDF: 80.5/74



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 587.895+/-0.107 χ^2/NDF:2222567.7/20

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

Left In: 601.812+/-0.113 χ^2/NDF:2206210.1/18

Left: 594.450+/-0.078 χ^2/NDF: 4436803.0/39

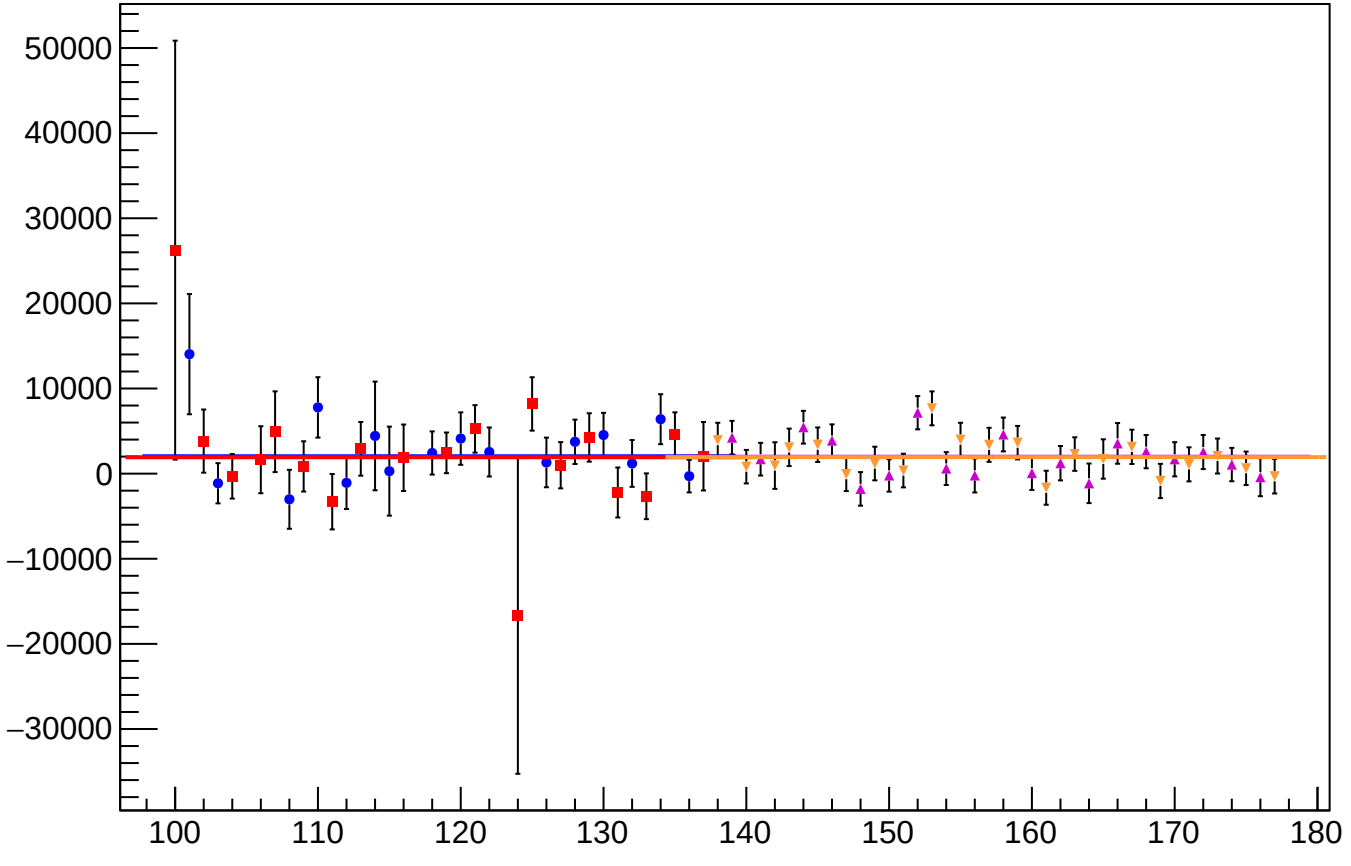
Right: 561.900+/-0.113 χ^2/NDF: 2316481.8/34

In: 594.927+/-0.093 χ^2/NDF:3221053.8/34

Out: 574.206+/-0.088 χ^2/NDF:3562425.3/39

All: 584.036+/-0.064 χ^2/NDF: 6809658.4/74

cor_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 1939.618+/-445.480 χ^2/NDF:22.1/20

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 1985.120+/-459.949 χ^2/NDF:26.0/18

Left: 1961.642+/-319.995 χ^2/NDF: 48.0/39

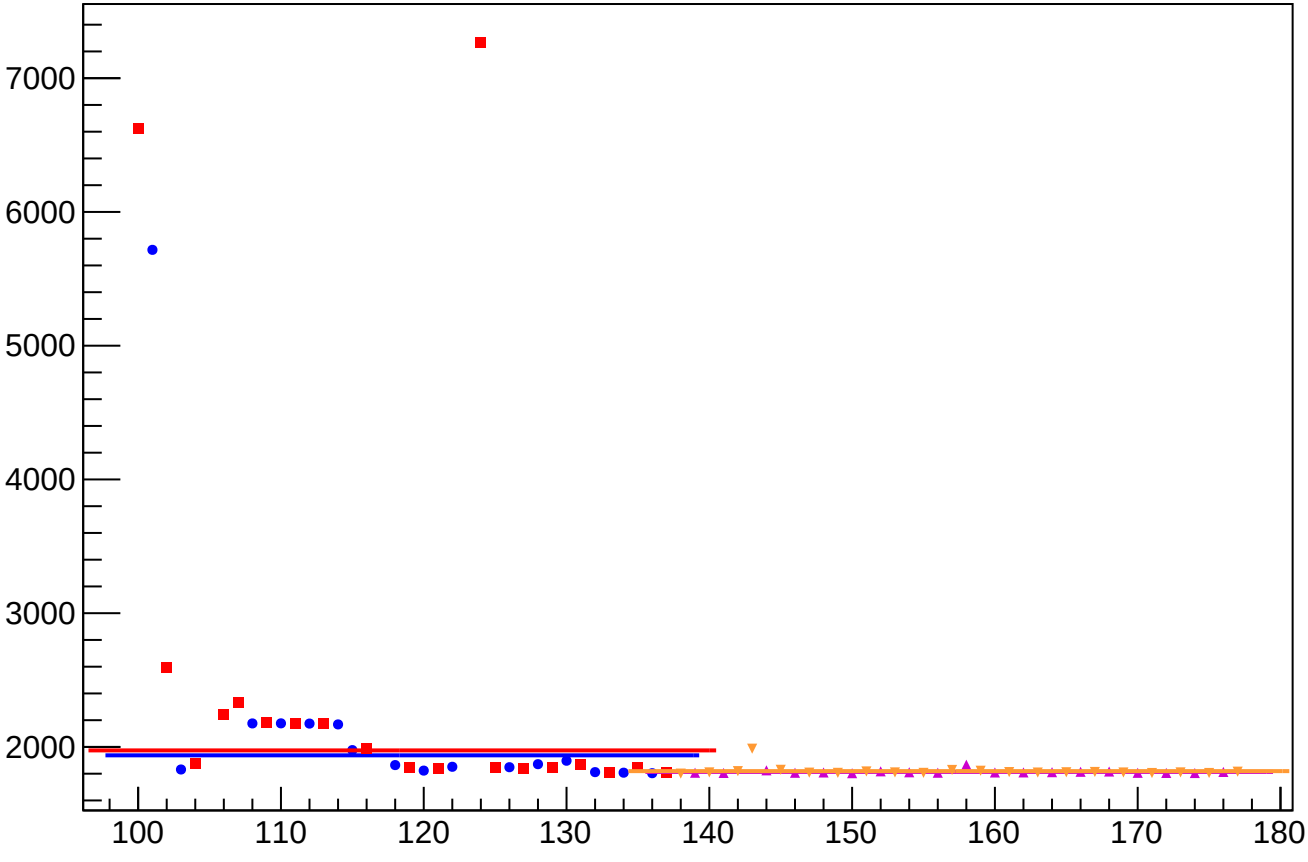
Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2000.202+/-390.079 χ^2/NDF:42.4/34

Out: 1936.047+/-381.302 χ^2/NDF:40.5/39

All: 1967.395+/-272.672 χ^2/NDF: 82.9/74

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1819.187+/-0.315 χ^2/NDF:12654.7/20

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1813.229+/-0.325 χ^2/NDF:1823.2/18

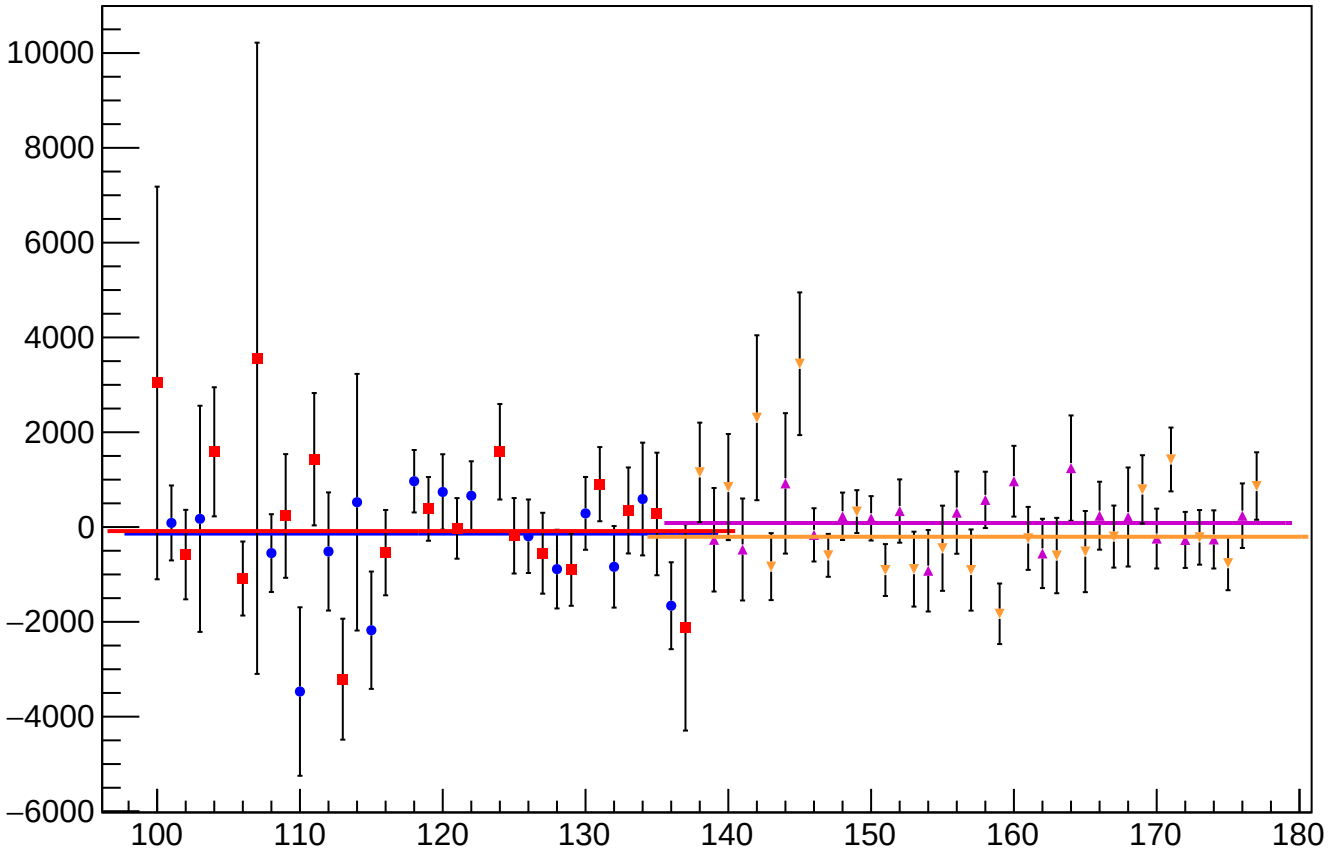
Left: 1816.303+/-0.226 χ^2/NDF: 14651.0/39

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1848.047+/-0.276 χ^2/NDF:680739.0/34

Out: 1860.621+/-0.270 χ^2/NDF:457796.7/39

All: 1854.477+/-0.193 χ^2/NDF: 1139598.4/74



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -205.093+/-150.786 χ^2/NDF:34.4/20

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 85.485+/-159.793 χ^2/NDF:7.6/18

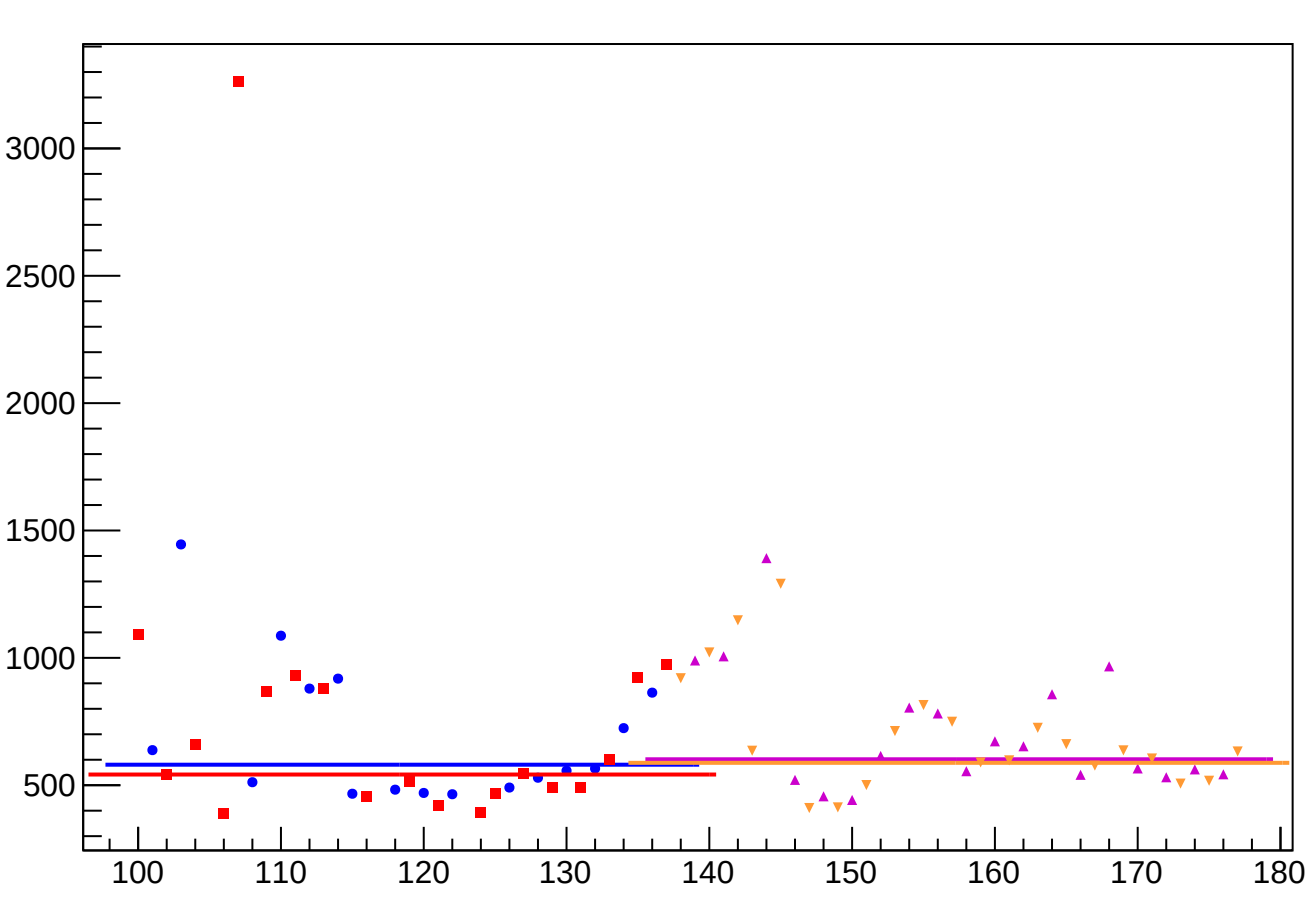
Left: -68.224+/-109.668 χ^2/NDF: 43.8/39

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: 13.059+/-131.301 χ^2/NDF:25.1/34

Out: -167.136+/-124.713 χ^2/NDF:53.9/39

All: -81.673+/-90.425 χ^2/NDF: 80.0/74



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 587.893+/-0.107 χ^2/NDF:2222687.0/20

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 601.818+/-0.113 χ^2/NDF:2206242.0/18

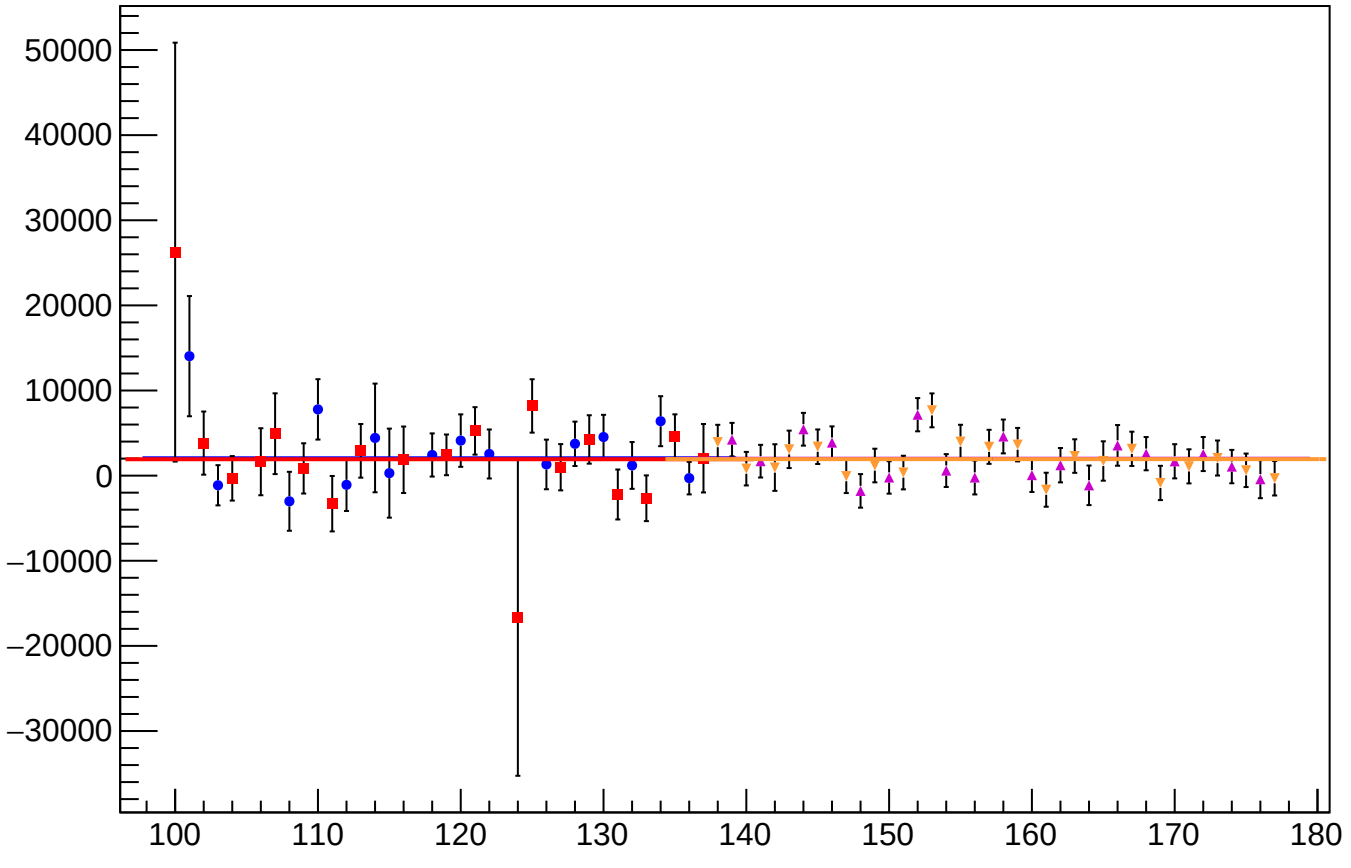
Left: 594.452+/-0.078 χ^2/NDF: 4436963.8/39

Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 594.900+/-0.093 χ^2/NDF:3220684.7/34

Out: 573.375+/-0.088 χ^2/NDF:3600224.2/39

All: 583.584+/-0.064 χ^2/NDF: 6849166.6/74



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 1939.618+/-445.480 χ^2/NDF:22.1/20

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 1985.120+/-459.949 χ^2/NDF:26.0/18

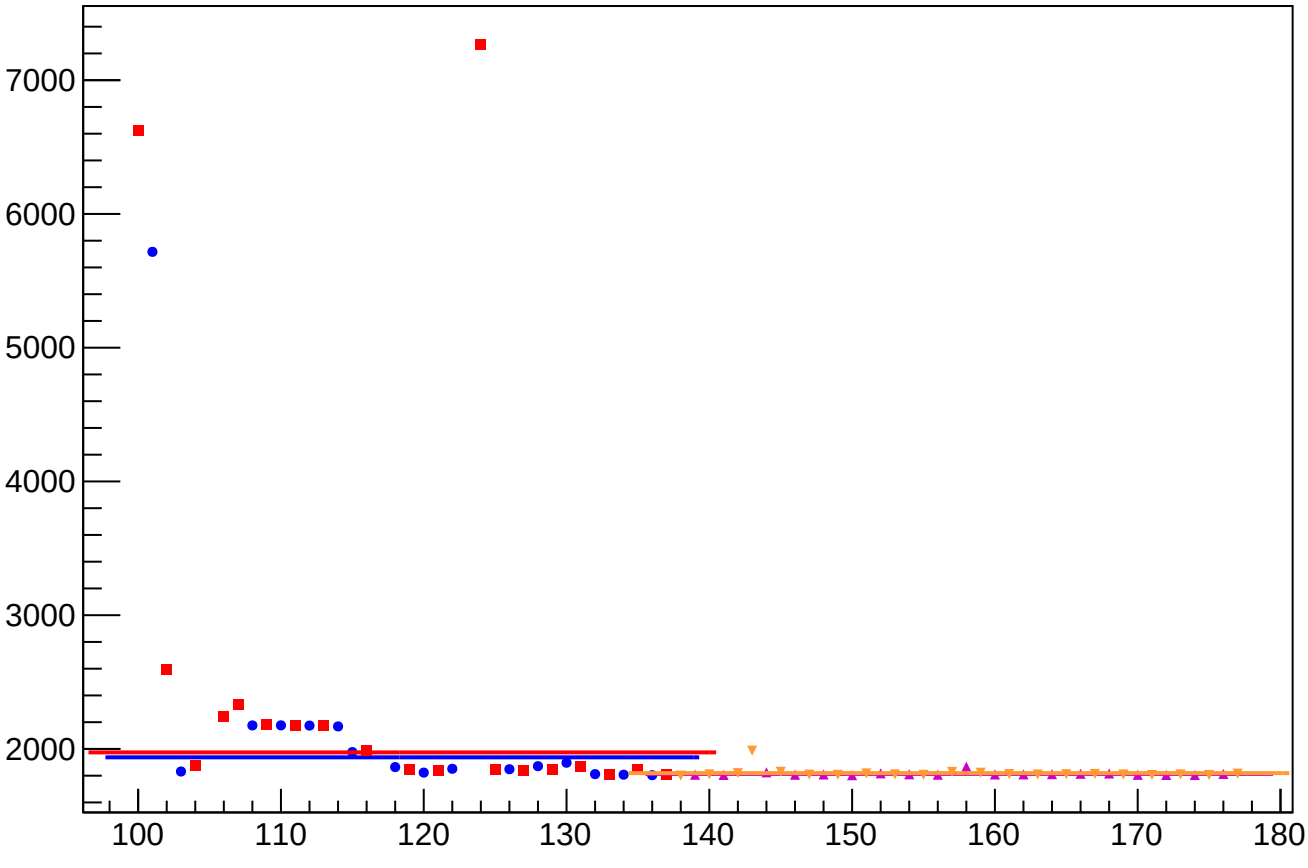
Left: 1961.642+/-319.995 χ^2/NDF: 48.0/39

Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2000.202+/-390.079 χ^2/NDF:42.4/34

Out: 1936.047+/-381.302 χ^2/NDF:40.5/39

All: 1967.395+/-272.672 χ^2/NDF: 82.9/74



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1819.187+/-0.315 χ^2/NDF:12654.7/20

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1813.229+/-0.325 χ^2/NDF:1823.2/18

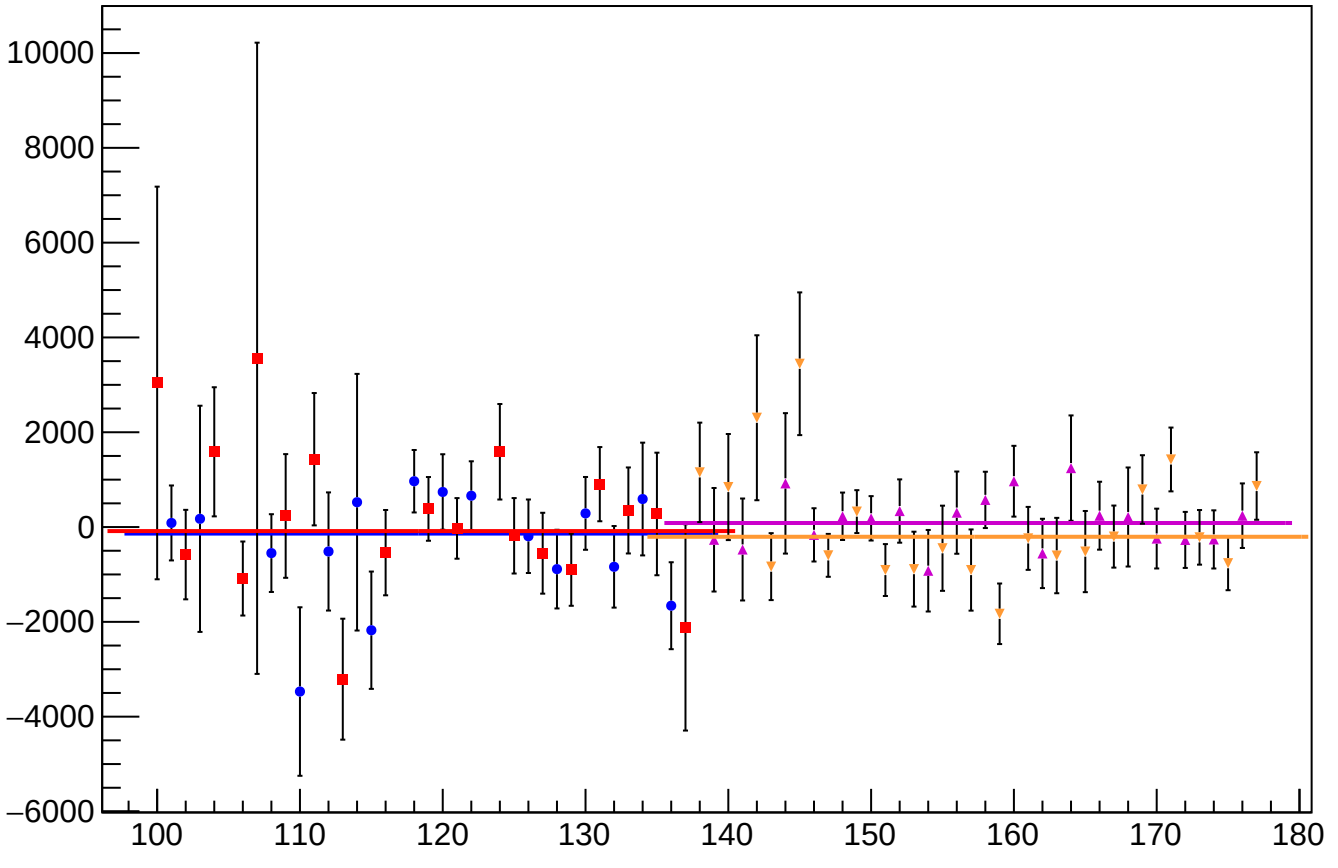
Left: 1816.303+/-0.226 χ^2/NDF: 14651.0/39

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1848.047+/-0.276 χ^2/NDF:680739.0/34

Out: 1860.621+/-0.270 χ^2/NDF:457796.7/39

All: 1854.477+/-0.193 χ^2/NDF: 1139598.4/74



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -205.093+/-150.786 χ^2/NDF:34.4/20

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 85.485+/-159.793 χ^2/NDF:7.6/18

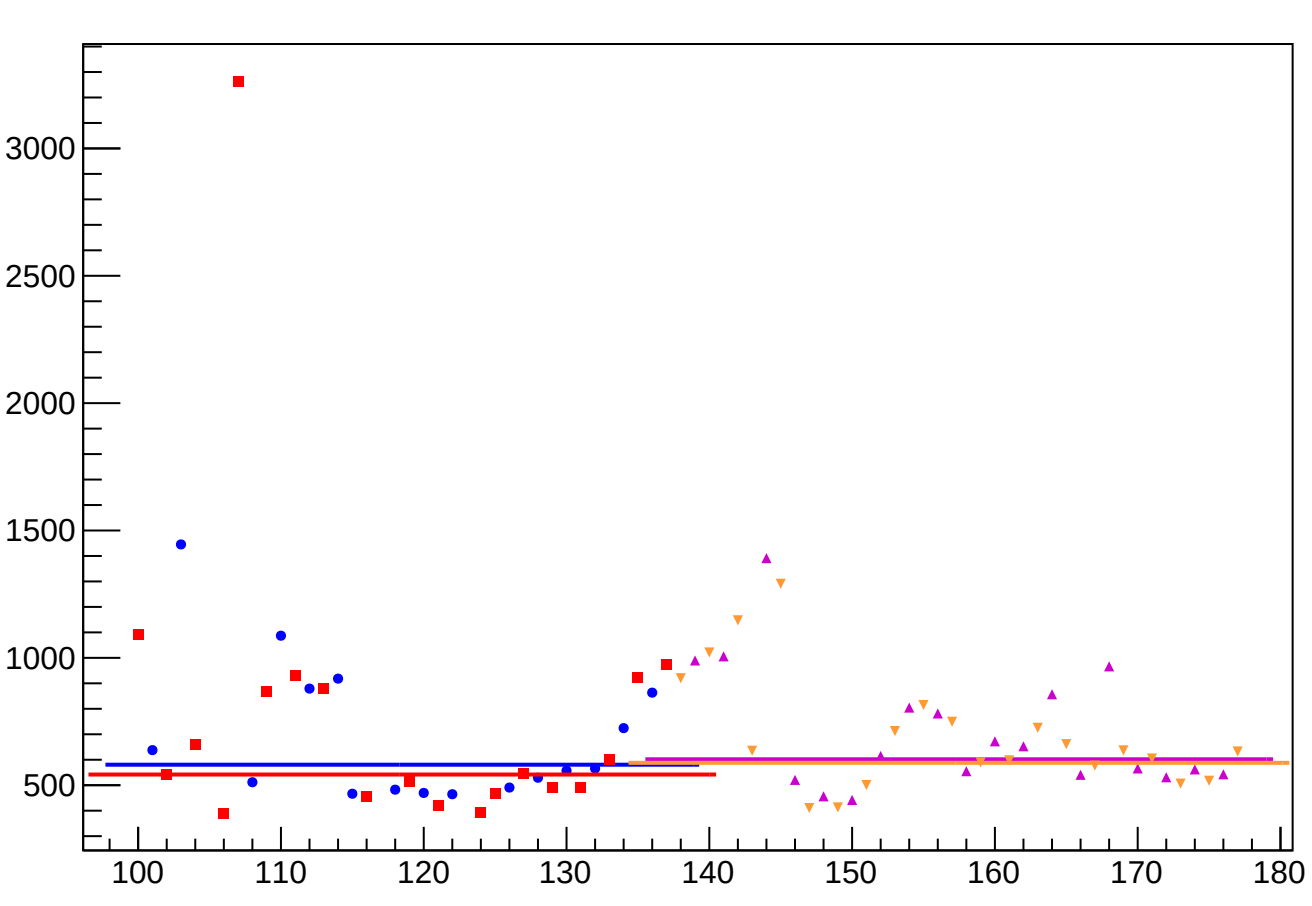
Left: -68.224+/-109.668 χ^2/NDF: 43.8/39

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: 13.059+/-131.301 χ^2/NDF:25.1/34

Out: -167.136+/-124.713 χ^2/NDF:53.9/39

All: -81.673+/-90.425 χ^2/NDF: 80.0/74



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 587.893+/-0.107 χ^2/NDF:2222687.0/20

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 601.818+/-0.113 χ^2/NDF:2206242.0/18

Left: 594.452+/-0.078 χ^2/NDF: 4436963.8/39

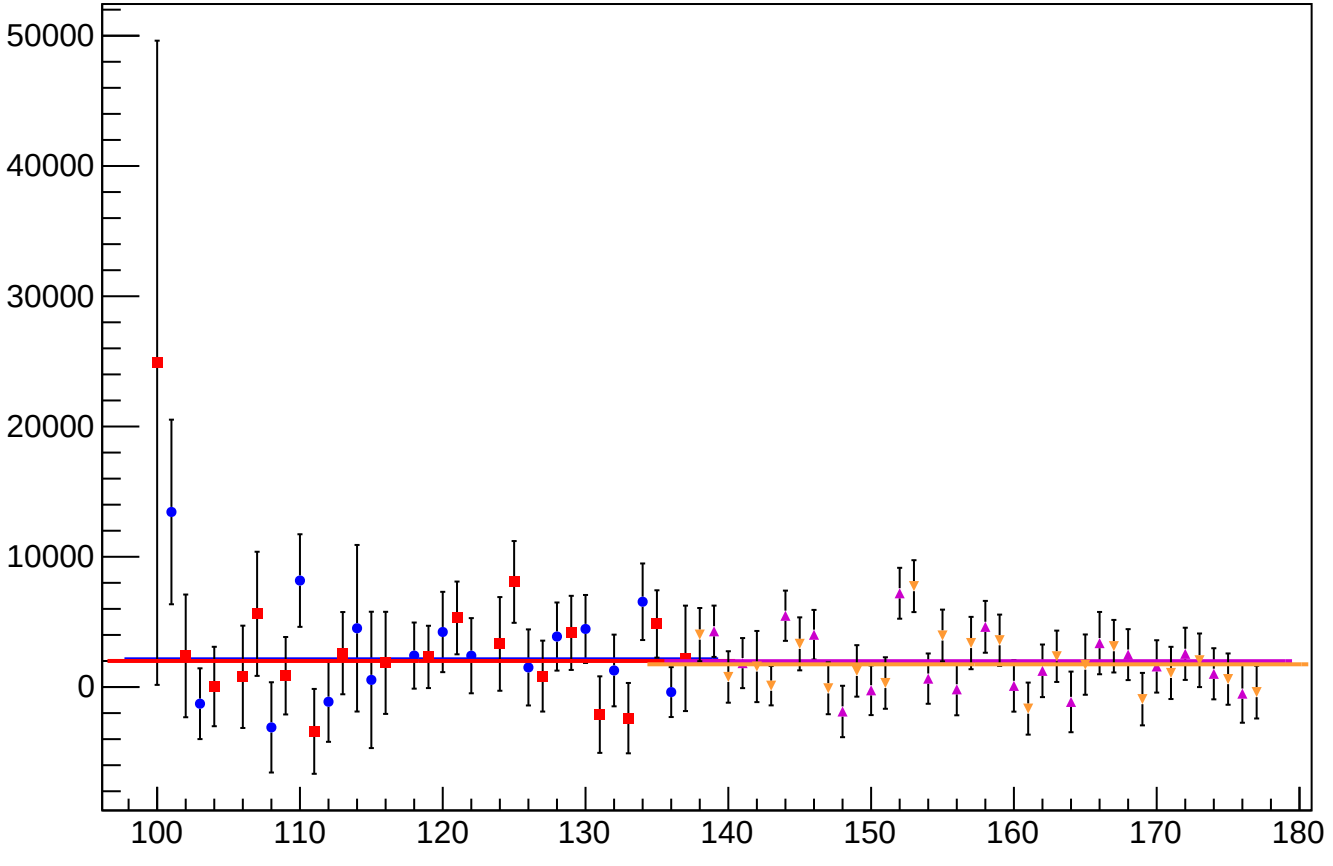
Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 594.900+/-0.093 χ^2/NDF:3220684.7/34

Out: 573.375+/-0.088 χ^2/NDF:3600224.2/39

All: 583.584+/-0.064 χ^2/NDF: 6849166.6/74

dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1746.035+/-436.005 χ^2/NDF:23.4/20

Right Out: 2002.220+/-737.195 χ^2/NDF: 16.7/18

Left In: 1985.270+/-460.432 χ^2/NDF:26.4/18

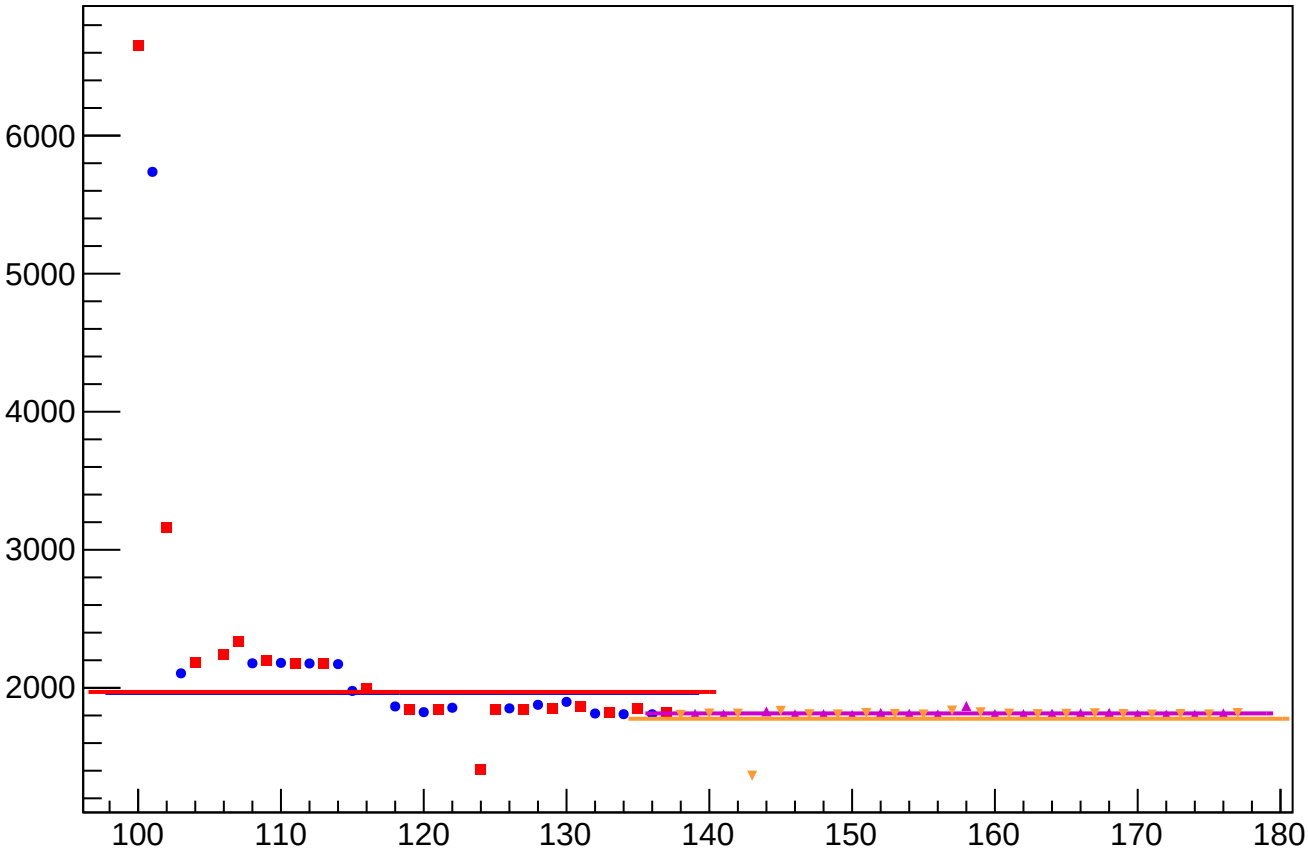
Left: 1859.138+/-316.586 χ^2/NDF: 49.9/39

Right: 2064.712+/-524.445 χ^2/NDF: 33.3/34

In: 2024.830+/-391.848 χ^2/NDF:42.9/34

Out: 1812.425+/-375.281 χ^2/NDF:40.2/39

All: 1914.043+/-271.031 χ^2/NDF: 83.3/74



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1776.426+/-0.308 χ^2/NDF:163261.4/20

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

Left In: 1815.116+/-0.326 χ^2/NDF:1885.6/18

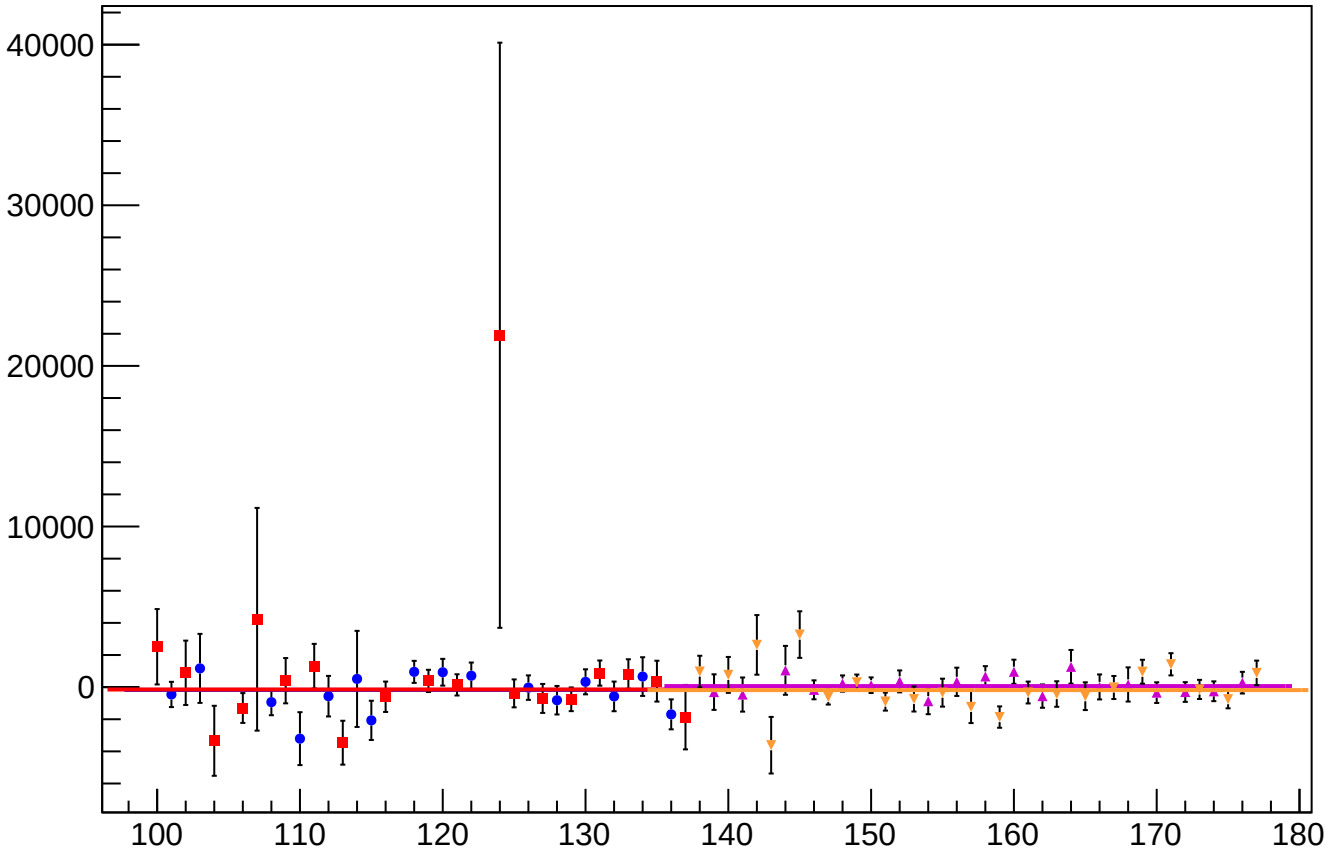
Left: 1794.718+/-0.224 χ^2/NDF: 172592.4/39

Right: 1966.980+/-0.371 χ^2/NDF: 985477.3/34

In: 1856.006+/-0.277 χ^2/NDF:699347.0/34

Out: 1826.710+/-0.265 χ^2/NDF:611042.0/39

All: 1840.725+/-0.192 χ^2/NDF: 1316219.8/74



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: -185.542+/-158.817 χ^2/NDF:36.4/20

Right Out: -147.489+/-242.848 χ^2/NDF: 20.1/18

Left In: 65.280+/-163.205 χ^2/NDF:8.1/18

Left: -63.547+/-113.820 χ^2/NDF: 45.8/39

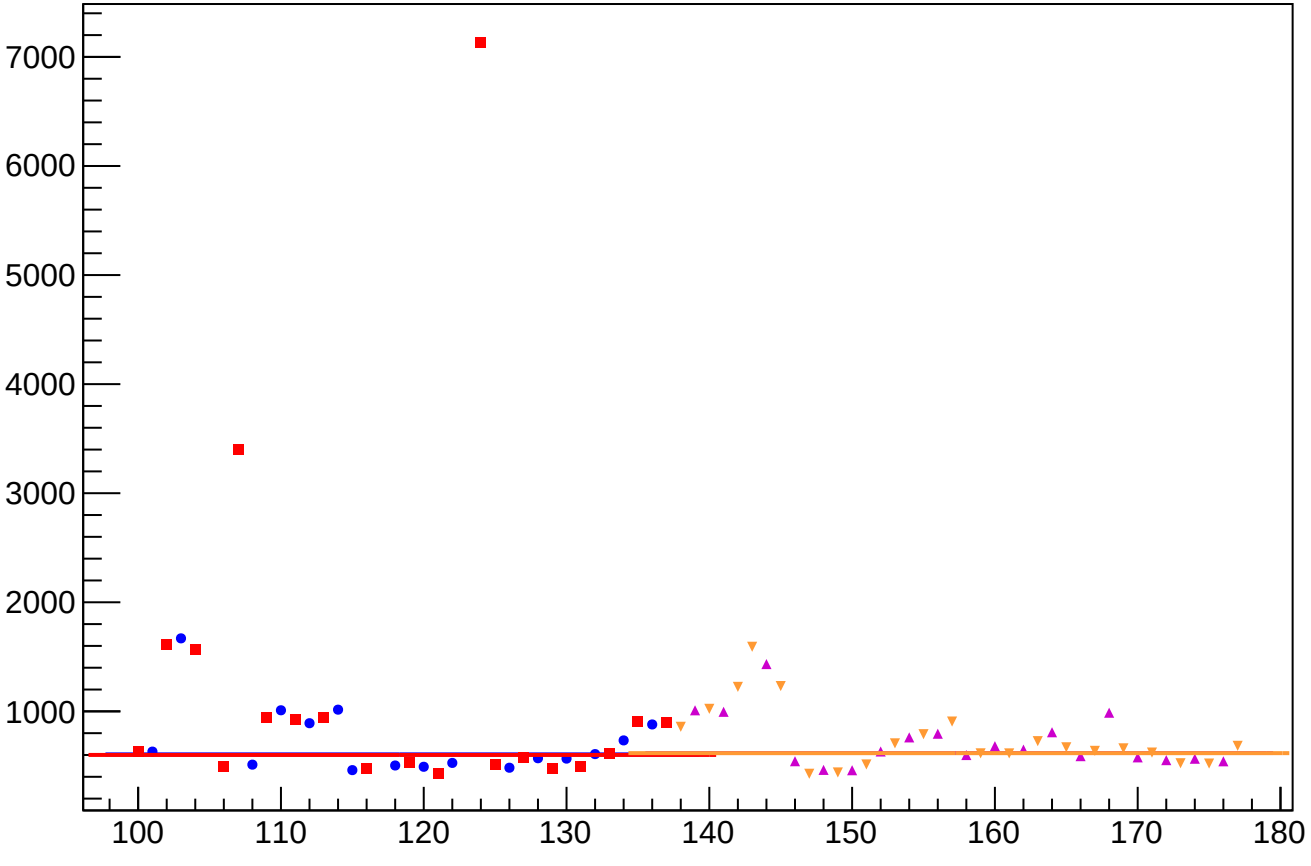
Right: -159.420+/-169.582 χ^2/NDF: 37.3/34

In: -10.689+/-134.401 χ^2/NDF:26.1/34

Out: -174.143+/-132.917 χ^2/NDF:56.5/39

All: -93.323+/-94.507 χ^2/NDF: 83.3/74

asym_at1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 616.862+/-0.112 χ^2/NDF:2678229.6/20

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

Left In: 618.067+/-0.115 χ^2/NDF:2049569.1/18

Left: 617.448+/-0.080 χ^2/NDF: 4727854.7/39

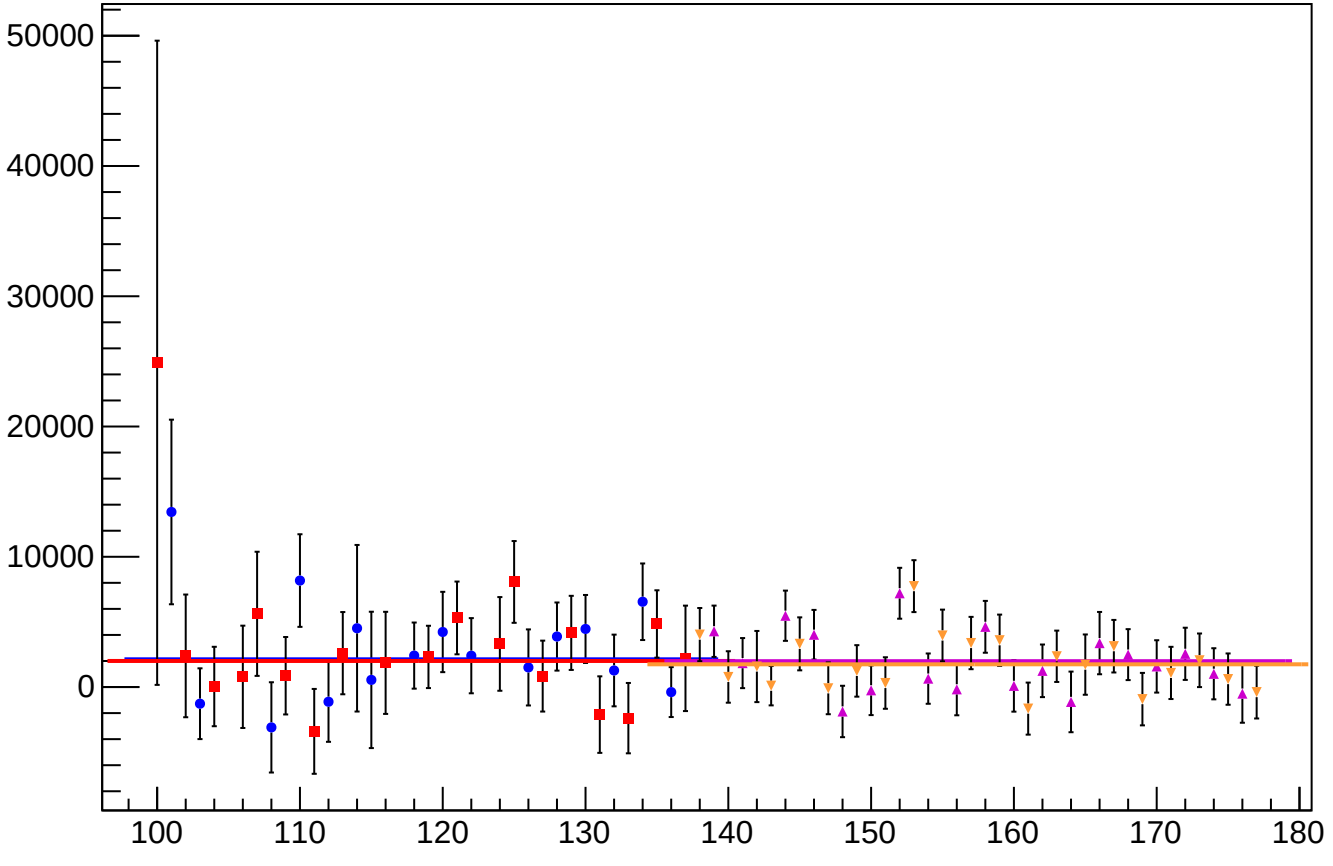
Right: 603.000+/-0.120 χ^2/NDF: 3491409.7/34

In: 614.000+/-0.095 χ^2/NDF:3215883.0/34

Out: 611.945+/-0.094 χ^2/NDF:5013154.3/39

All: 612.961+/-0.067 χ^2/NDF: 8229273.7/74

eigen_dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1746.036+/-436.005 χ^2/NDF:23.4/20

Right Out: 2002.218+/-737.195 χ^2/NDF: 16.7/18

Left In: 1985.270+/-460.432 χ^2/NDF:26.4/18

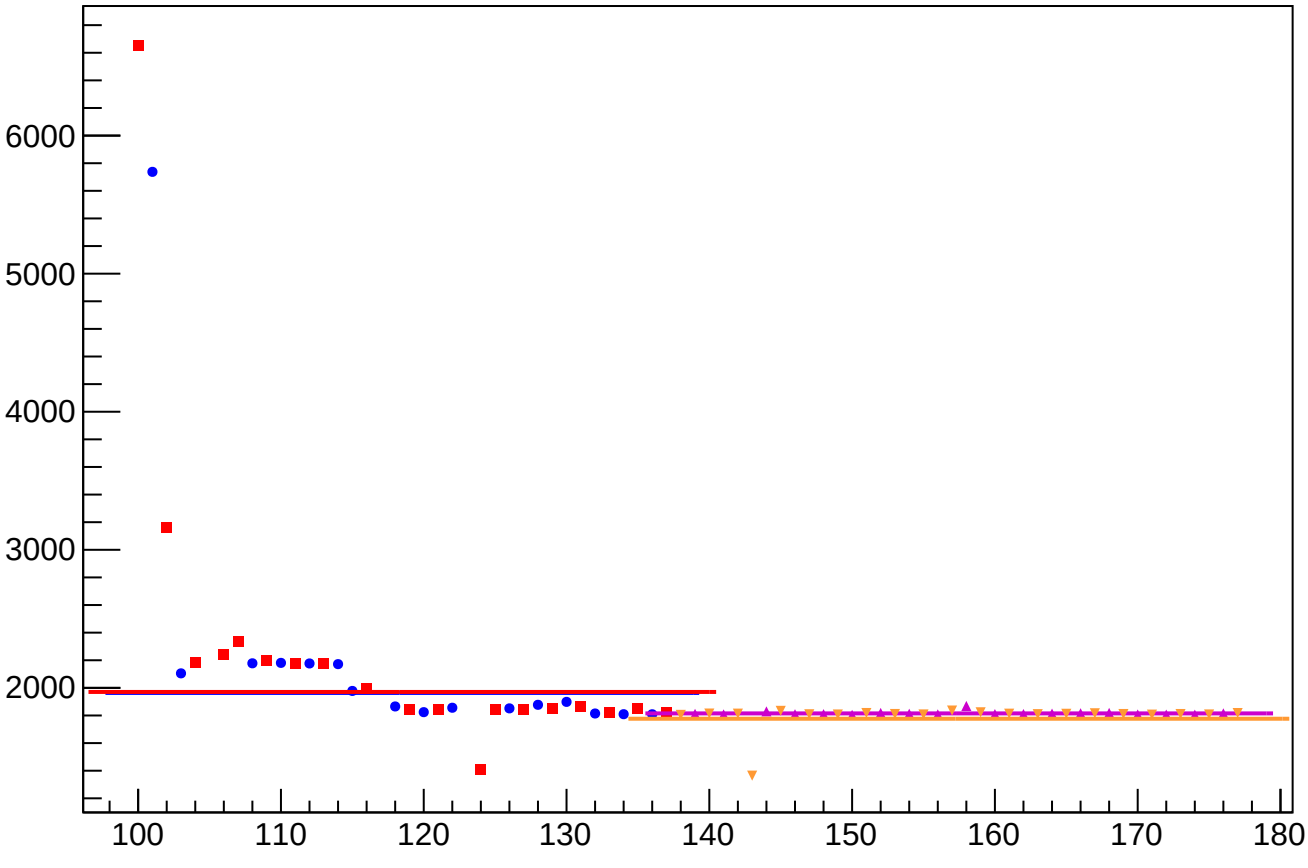
Left: 1859.139+/-316.586 χ^2/NDF: 49.9/39

Right: 2064.710+/-524.445 χ^2/NDF: 33.3/34

In: 2024.830+/-391.848 χ^2/NDF:42.9/34

Out: 1812.425+/-375.281 χ^2/NDF:40.2/39

All: 1914.043+/-271.031 χ^2/NDF: 83.3/74



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1776.426+/-0.308 χ^2/NDF:163261.4/20

Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1815.116+/-0.326 χ^2/NDF:1885.6/18

Left: 1794.718+/-0.224 χ^2/NDF: 172592.4/39

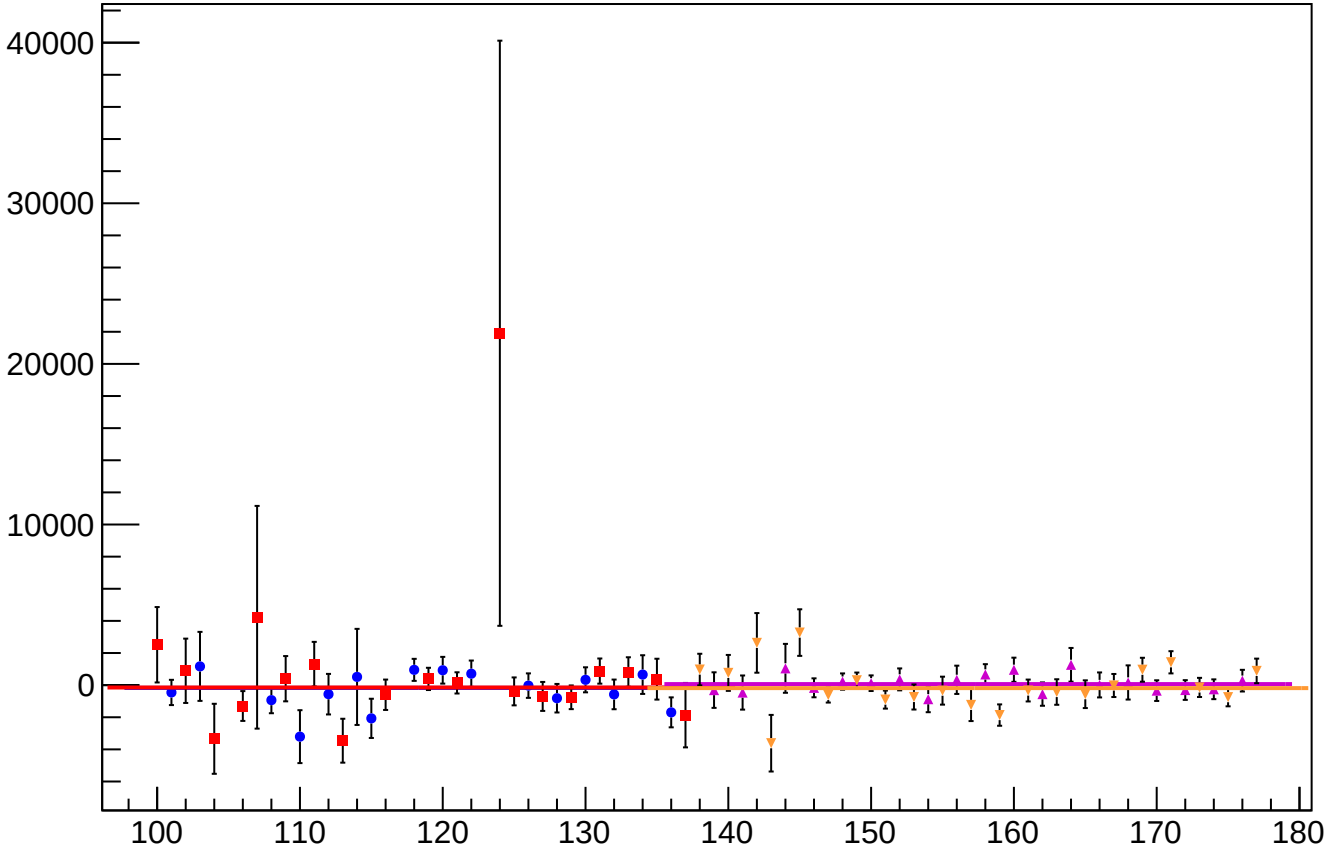
Right: 1966.980+/-0.371 χ^2/NDF: 985475.7/34

In: 1856.005+/-0.277 χ^2/NDF:699346.5/34

Out: 1826.710+/-0.265 χ^2/NDF:611040.4/39

All: 1840.725+/-0.192 χ^2/NDF: 1316217.7/74

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: -185.542+/-158.818 χ^2/NDF:36.4/20

Right Out: -147.489+/-242.847 χ^2/NDF: 20.1/18

Left In: 65.280+/-163.205 χ^2/NDF:8.1/18

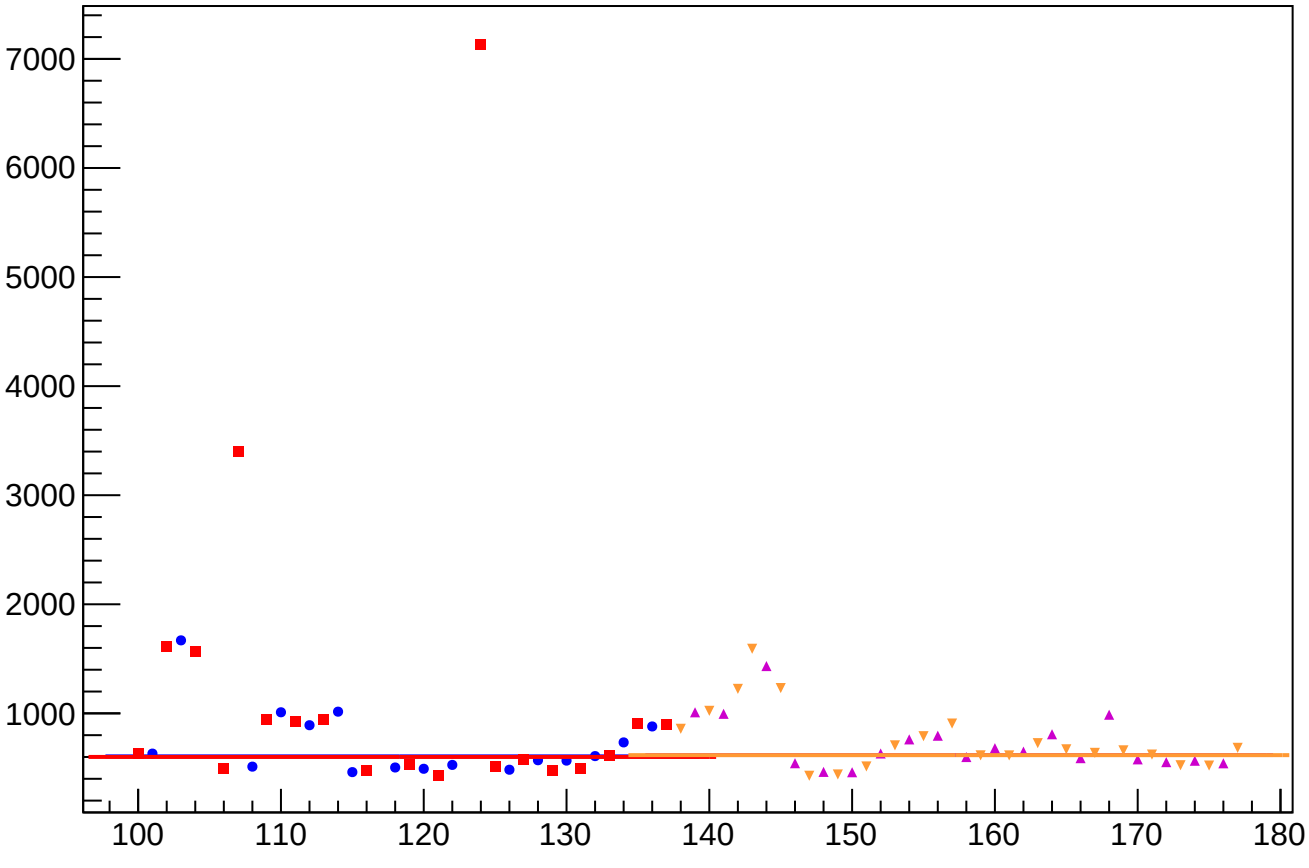
Left: -63.548+/-113.821 χ^2/NDF: 45.8/39

Right: -159.419+/-169.581 χ^2/NDF: 37.3/34

In: -10.689+/-134.401 χ^2/NDF:26.1/34

Out: -174.143+/-132.917 χ^2/NDF:56.5/39

All: -93.323+/-94.507 χ^2/NDF: 83.3/74



Right In: 605.429+/-0.168 χ^2/NDF: 1162462.4/15

Left Out: 616.863+/-0.112 χ^2/NDF:2678223.1/20

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

Left In: 618.068+/-0.115 χ^2/NDF:2049564.6/18

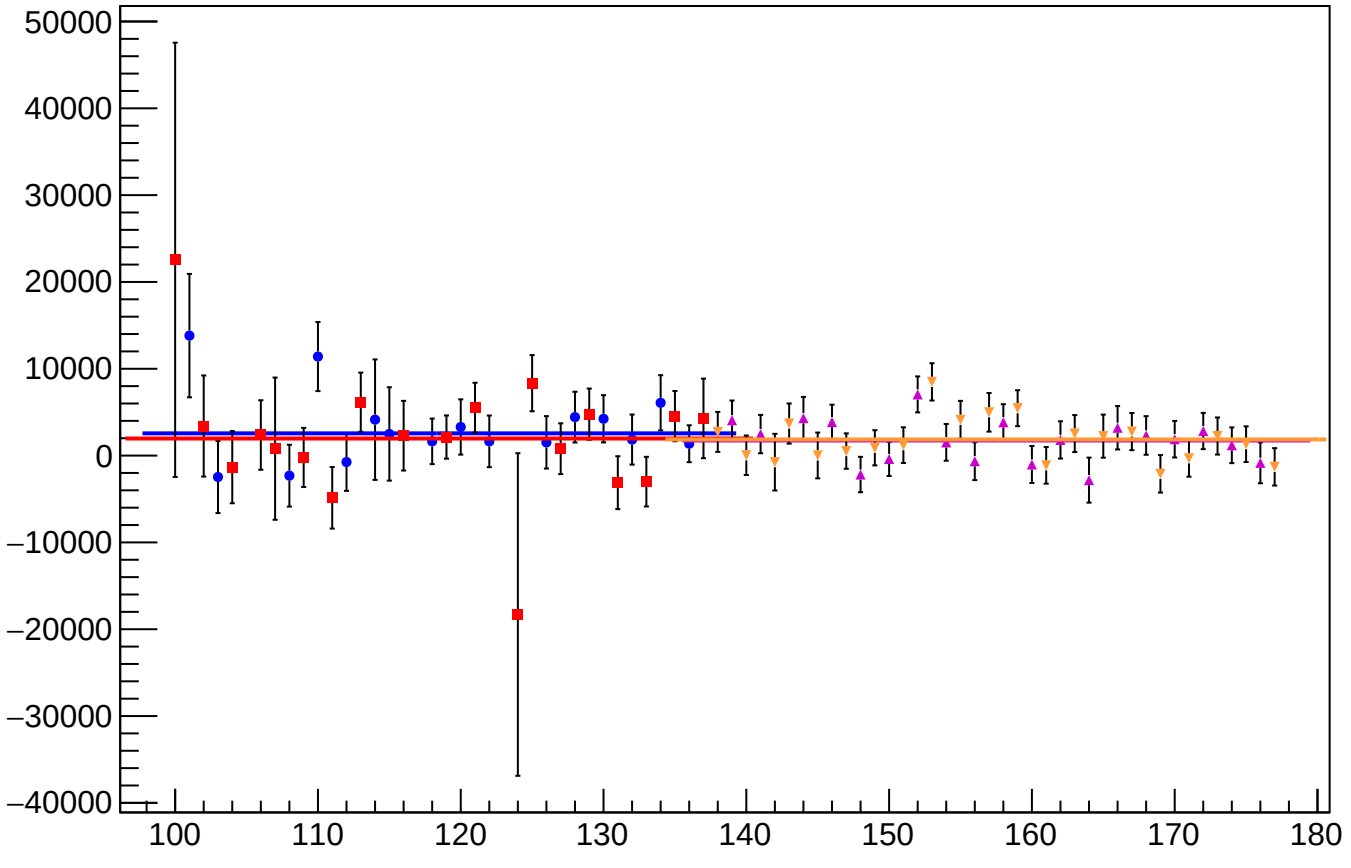
Left: 617.449+/-0.080 χ^2/NDF: 4727843.7/39

Right: 602.999+/-0.120 χ^2/NDF: 3491425.6/34

In: 614.000+/-0.095 χ^2/NDF:3215887.7/34

Out: 611.945+/-0.094 χ^2/NDF:5013157.3/39

All: 612.961+/-0.067 χ^2/NDF: 8229281.4/74



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 1857.648+/-480.858 χ^2/NDF:27.9/20

Right Out: 1966.731+/-818.839 χ^2/NDF: 21.6/18

Left In: 1740.660+/-497.936 χ^2/NDF:23.8/18

Left: 1801.194+/-345.898 χ^2/NDF: 51.7/39

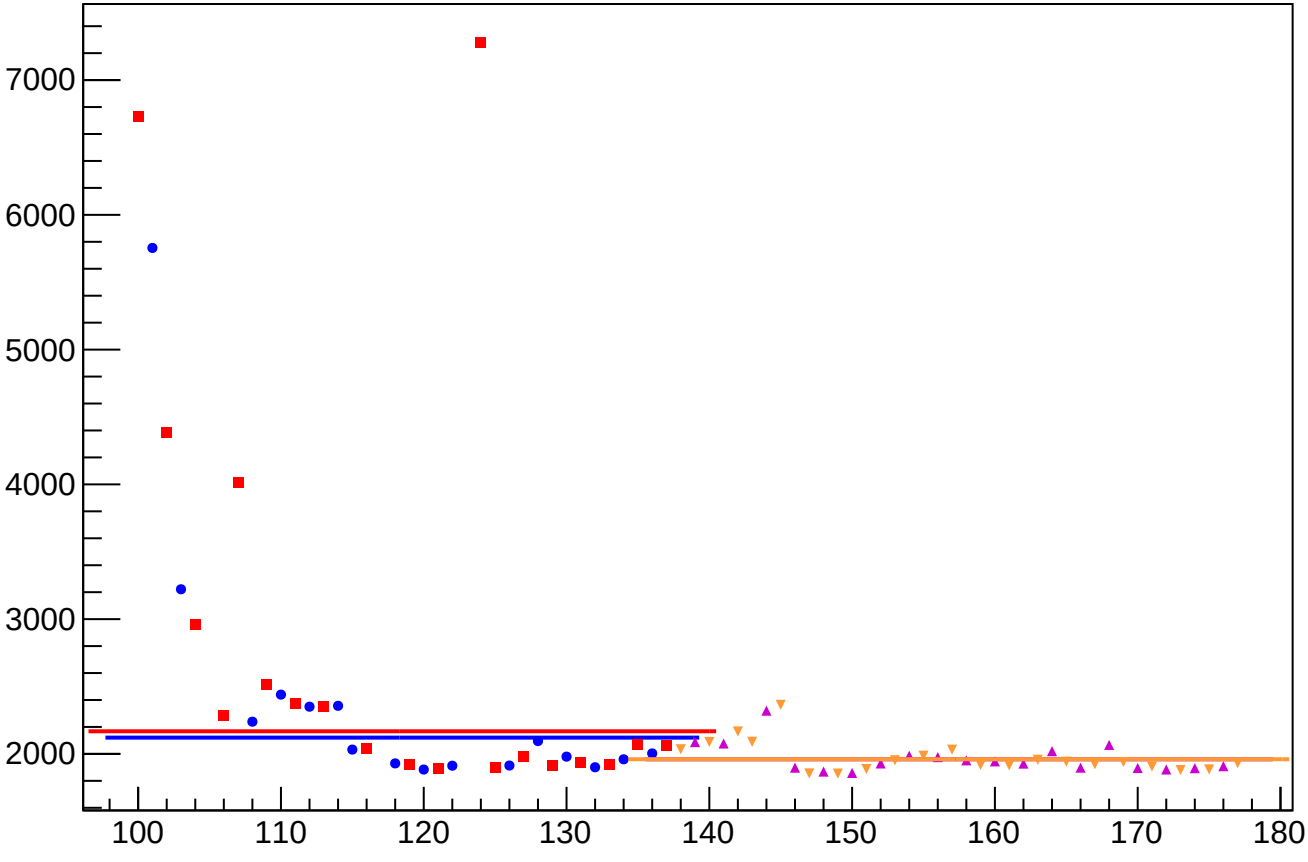
Right: 2267.201+/-575.733 χ^2/NDF: 36.5/34

In: 1965.775+/-424.145 χ^2/NDF:39.2/34

Out: 1885.620+/-414.647 χ^2/NDF:49.5/39

All: 1924.790+/-296.501 χ^2/NDF: 88.6/74

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 1960.267+/-0.340 χ^2/NDF:95050.1/20

Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 1959.784+/-0.352 χ^2/NDF:82461.0/18

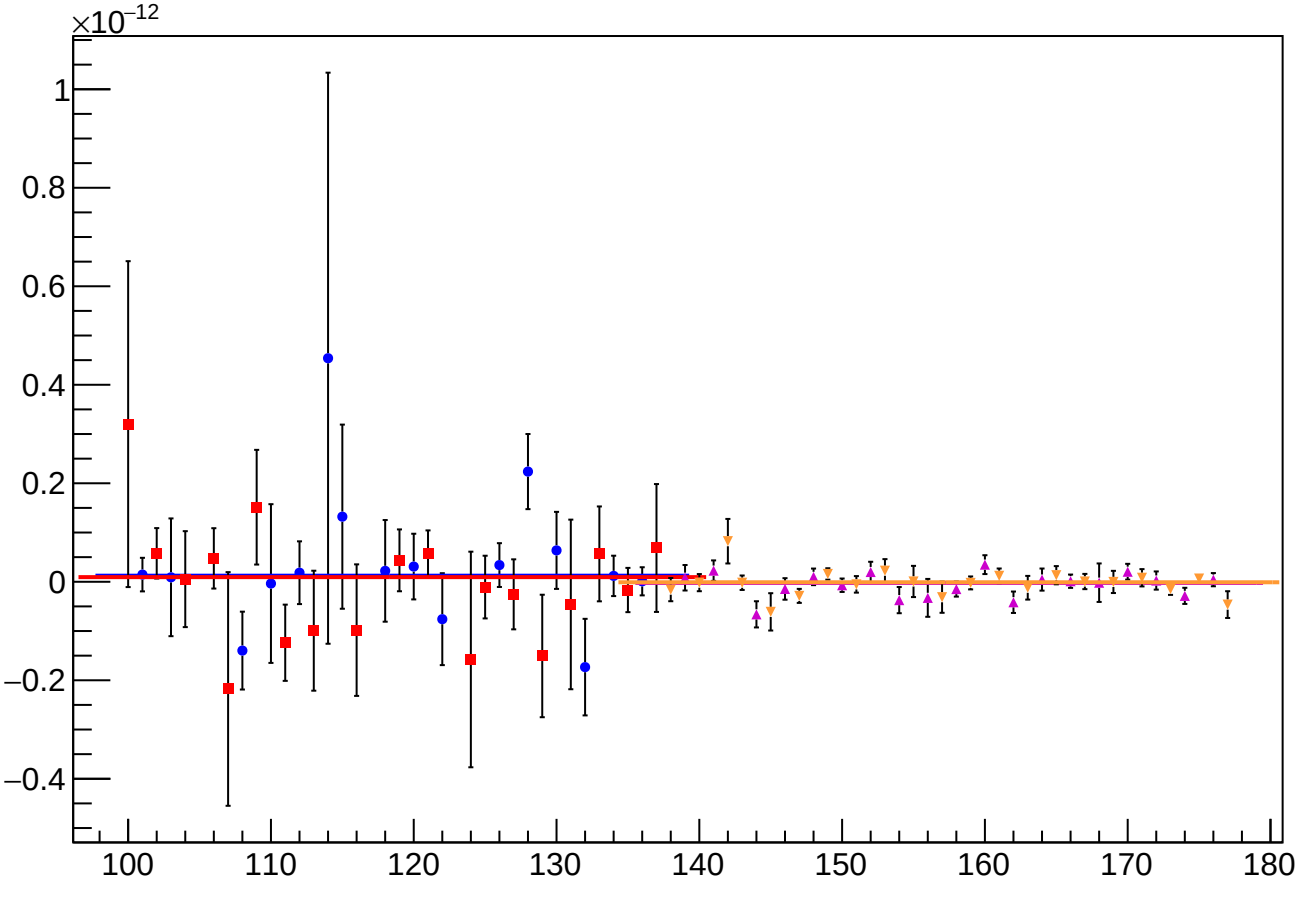
Left: 1960.034+/-0.245 χ^2/NDF: 177512.1/39

Right: 2144.044+/-0.407 χ^2/NDF: 1587235.2/34

In: 2003.965+/-0.300 χ^2/NDF:899805.7/34

Out: 2013.494+/-0.293 χ^2/NDF:1014541.0/39

All: 2008.837+/-0.210 χ^2/NDF: 1914862.9/74



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:24.5/18

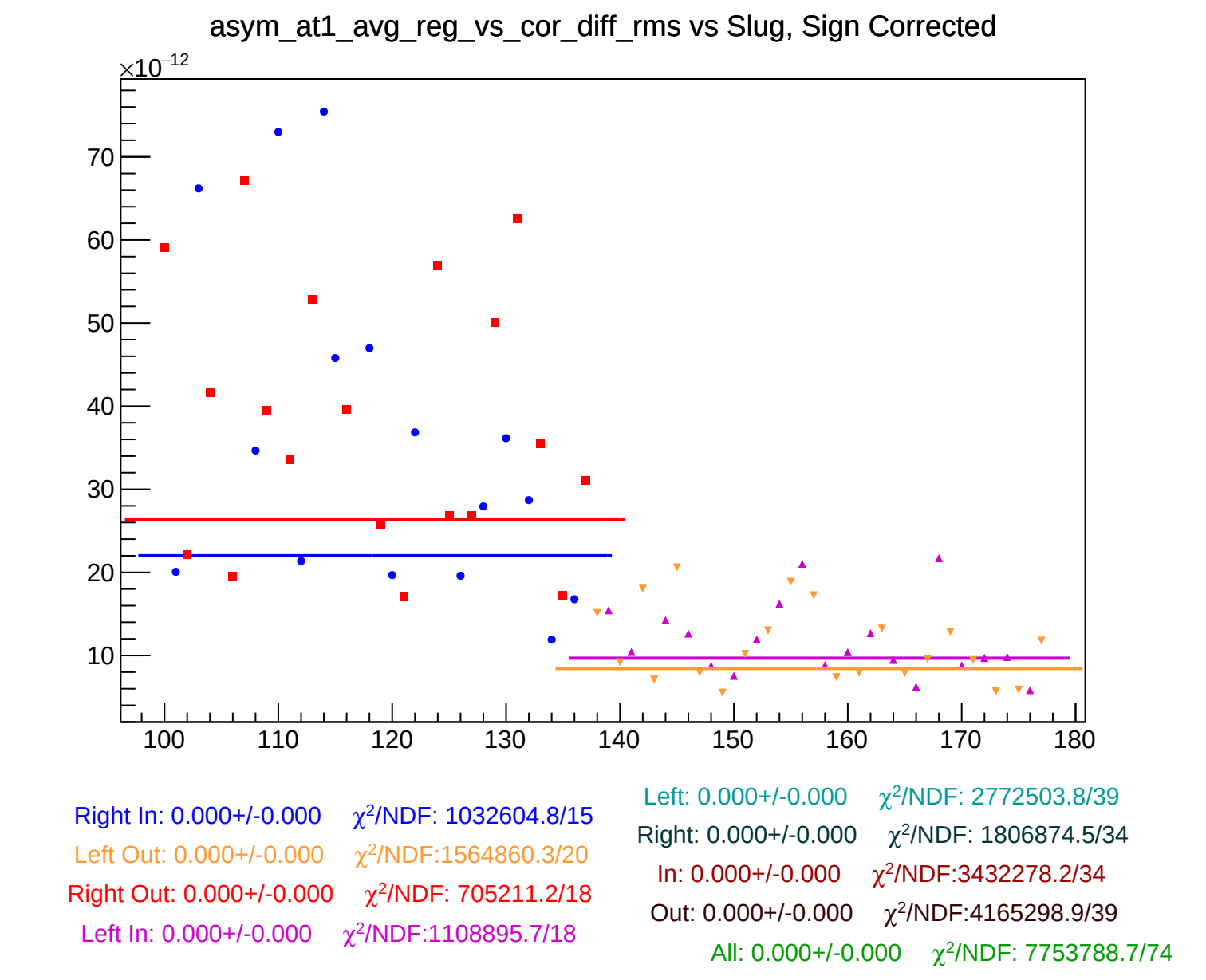
Left: -0.000+/-0.000 χ^2/NDF: 45.5/39

Right: 0.000+/-0.000 χ^2/NDF: 31.6/34

In: -0.000+/-0.000 χ^2/NDF:43.3/34

Out: -0.000+/-0.000 χ^2/NDF:35.0/39

All: -0.000+/-0.000 χ^2/NDF: 78.3/74


asym_at1_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
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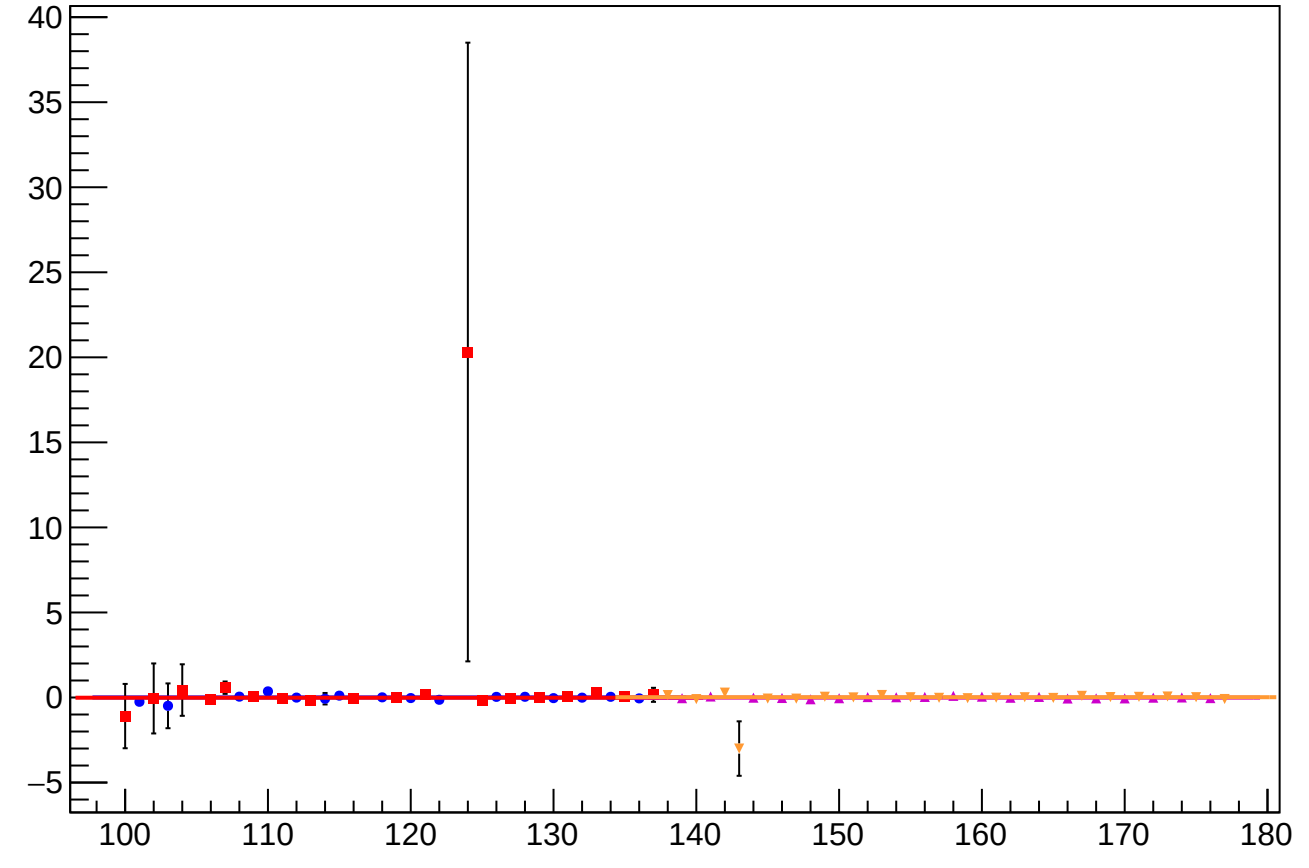
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1032604.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1564860.3/20
Right Out: 0.000+/-0.000 χ²/NDF: 705211.2/18
Left In: 0.000+/-0.000 χ²/NDF:1108895.7/18
Left: 0.000+/-0.000 χ²/NDF: 2772503.8/39
Right: 0.000+/-0.000 χ²/NDF: 1806874.5/34
In: 0.000+/-0.000 χ²/NDF:3432278.2/34
Out: 0.000+/-0.000 χ²/NDF:4165298.9/39
All: 0.000+/-0.000 χ²/NDF: 7753788.7/74



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.018+/-0.013 χ^2/NDF:26.9/20

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.008+/-0.013 χ^2/NDF:14.6/18

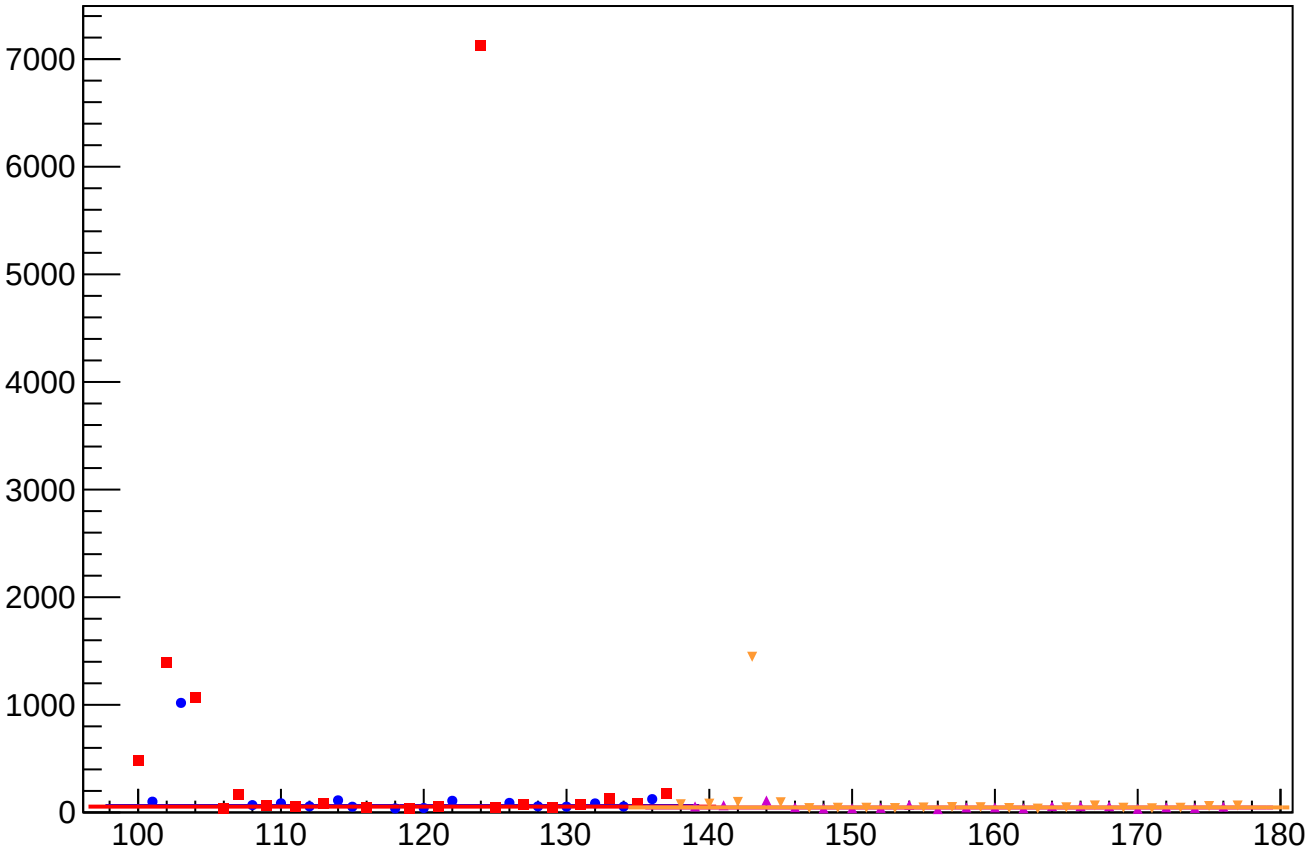
Left: 0.004+/-0.009 χ^2/NDF: 43.5/39

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.006+/-0.012 χ^2/NDF:26.2/34

Out: 0.011+/-0.012 χ^2/NDF:45.6/39

All: 0.003+/-0.008 χ^2/NDF: 72.9/74



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 46.851+/-0.009 χ^2/NDF:3168053.4/20

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.585+/-0.009 χ^2/NDF:1715259.6/18

Left: 46.211+/-0.007 χ^2/NDF: 4892645.7/39

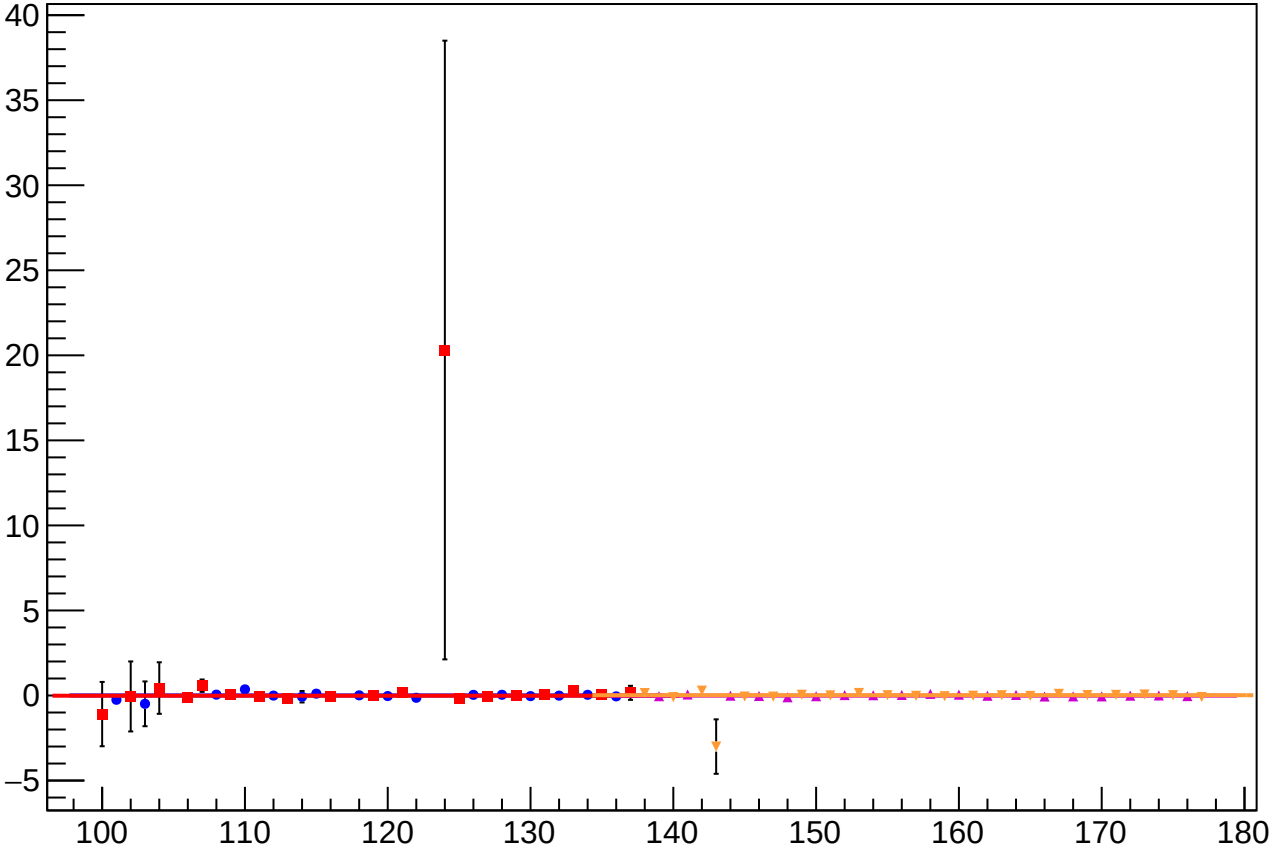
Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 48.323+/-0.008 χ^2/NDF:4714060.3/34

Out: 48.379+/-0.008 χ^2/NDF:6820001.5/39

All: 48.351+/-0.006 χ^2/NDF: 11534084.4/74

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: 0.018+/-0.013 χ^2/NDF:26.9/20

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.008+/-0.013 χ^2/NDF:14.6/18

Left: 0.004+/-0.009 χ^2/NDF: 43.5/39

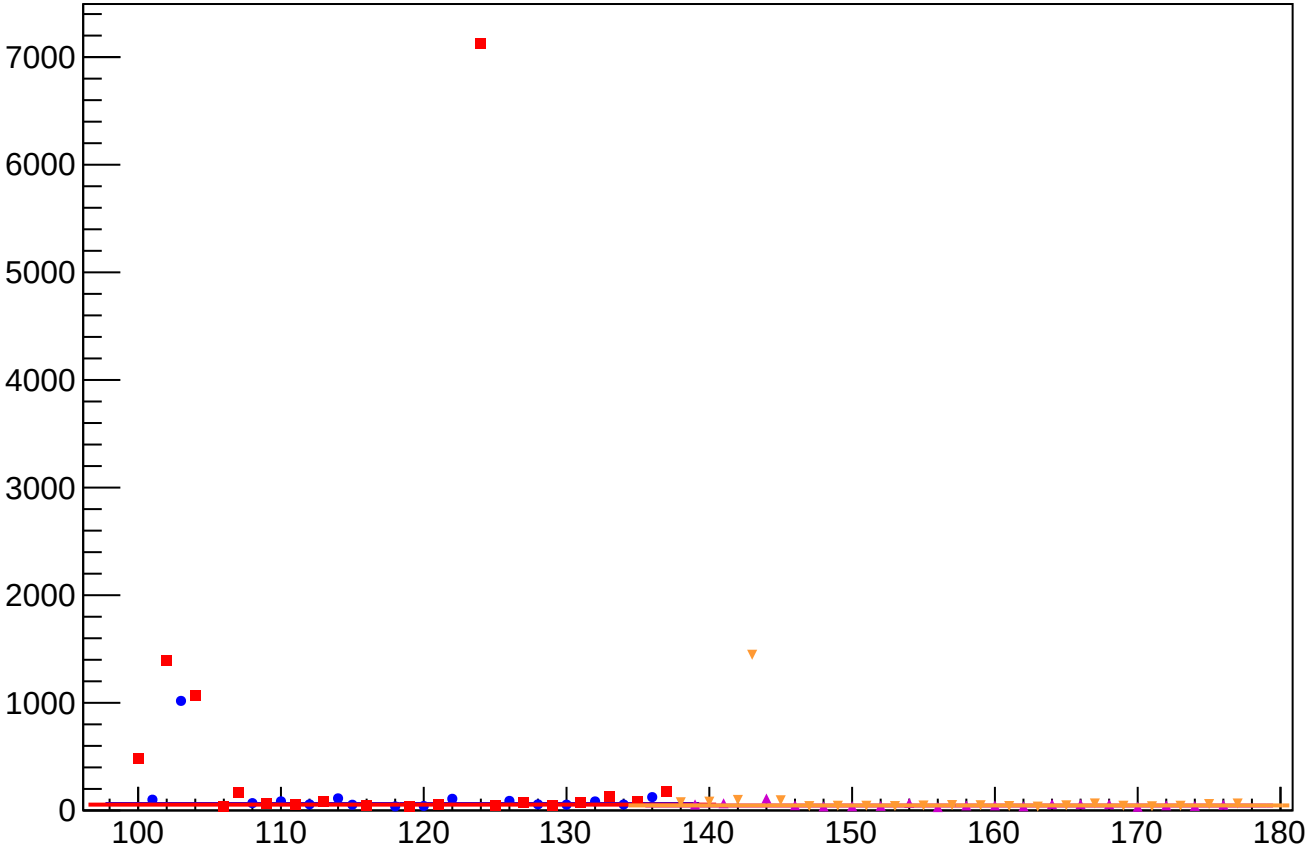
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.006+/-0.012 χ^2/NDF:26.2/34

Out: 0.011+/-0.012 χ^2/NDF:45.6/39

All: 0.003+/-0.008 χ^2/NDF: 72.9/74

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 46.851+/-0.009 χ^2/NDF:3168053.4/20

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.585+/-0.009 χ^2/NDF:1715259.6/18

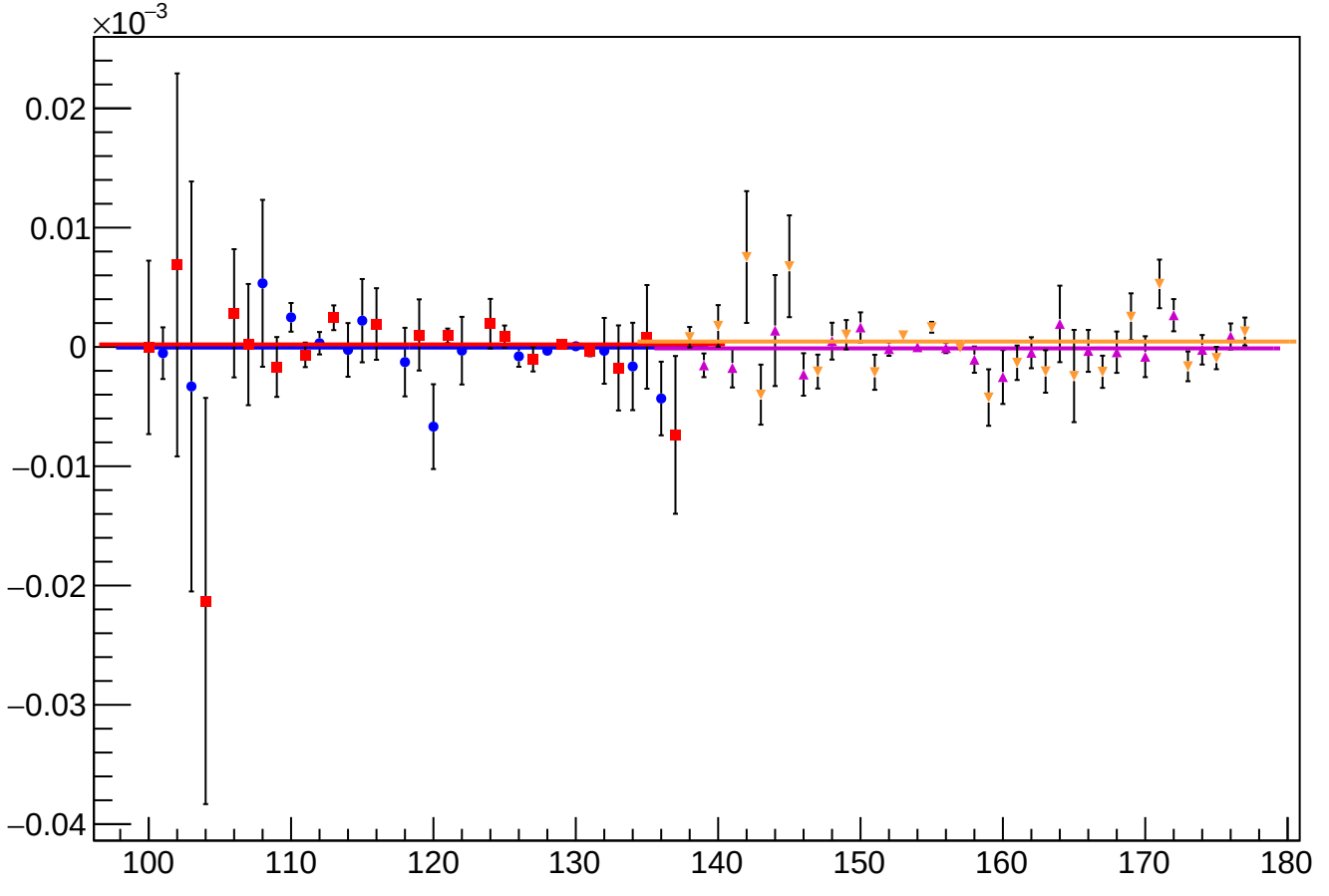
Left: 46.211+/-0.007 χ^2/NDF: 4892645.7/39

Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 48.323+/-0.008 χ^2/NDF:4714060.3/34

Out: 48.379+/-0.008 χ^2/NDF:6820001.5/39

All: 48.351+/-0.006 χ^2/NDF: 11534084.4/74



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:48.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:14.5/18

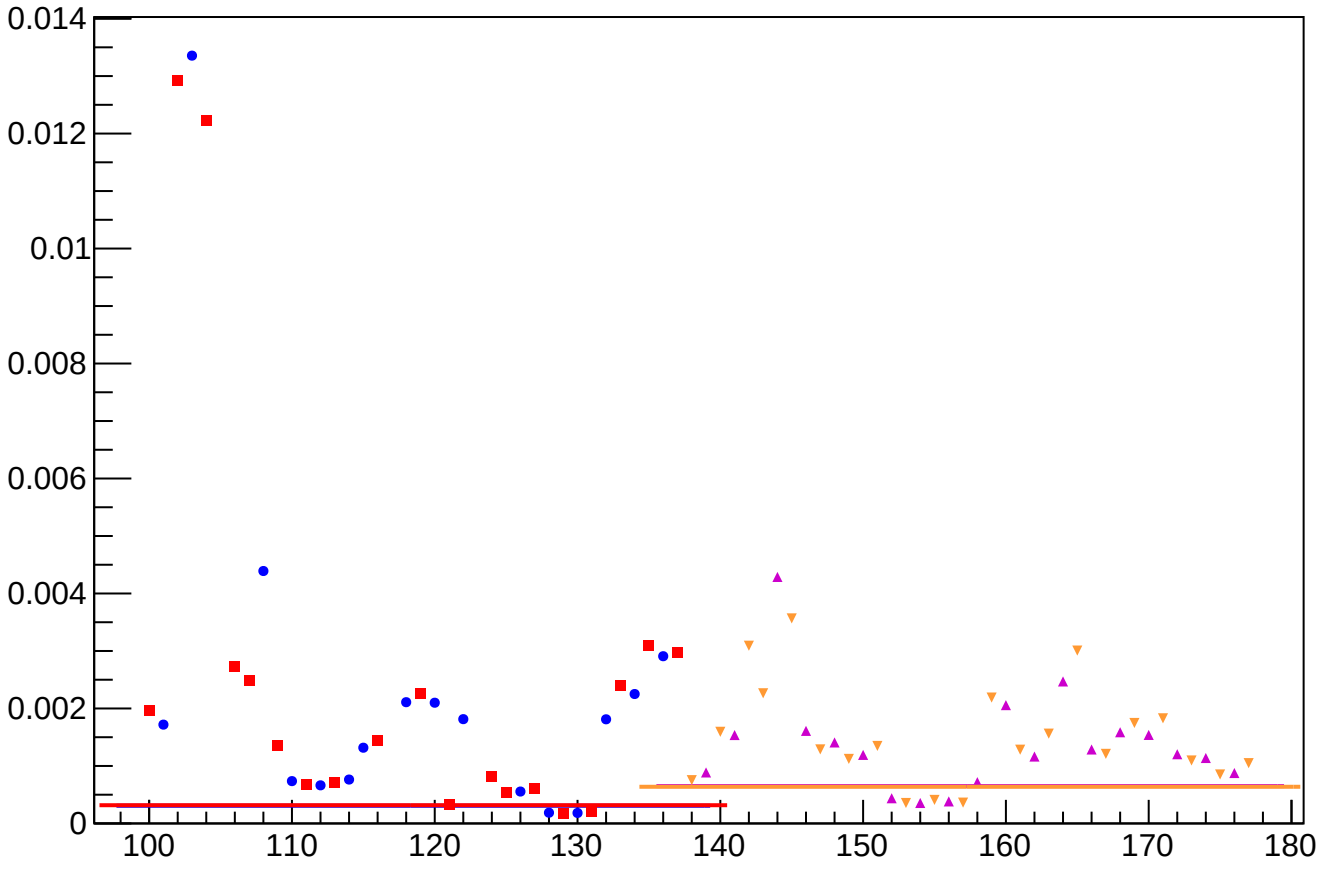
Left: 0.000+/-0.000 χ^2/NDF: 66.8/39

Right: 0.000+/-0.000 χ^2/NDF: 29.4/34

In: -0.000+/-0.000 χ^2/NDF:27.4/34

Out: 0.000+/-0.000 χ^2/NDF:64.7/39

All: 0.000+/-0.000 χ^2/NDF: 96.4/74



Right In: 0.000+/-0.000 χ^2/NDF: 8756212.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:11367695.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:9484300.2/18

Left: 0.001+/-0.000 χ^2/NDF: 20855148.3/39

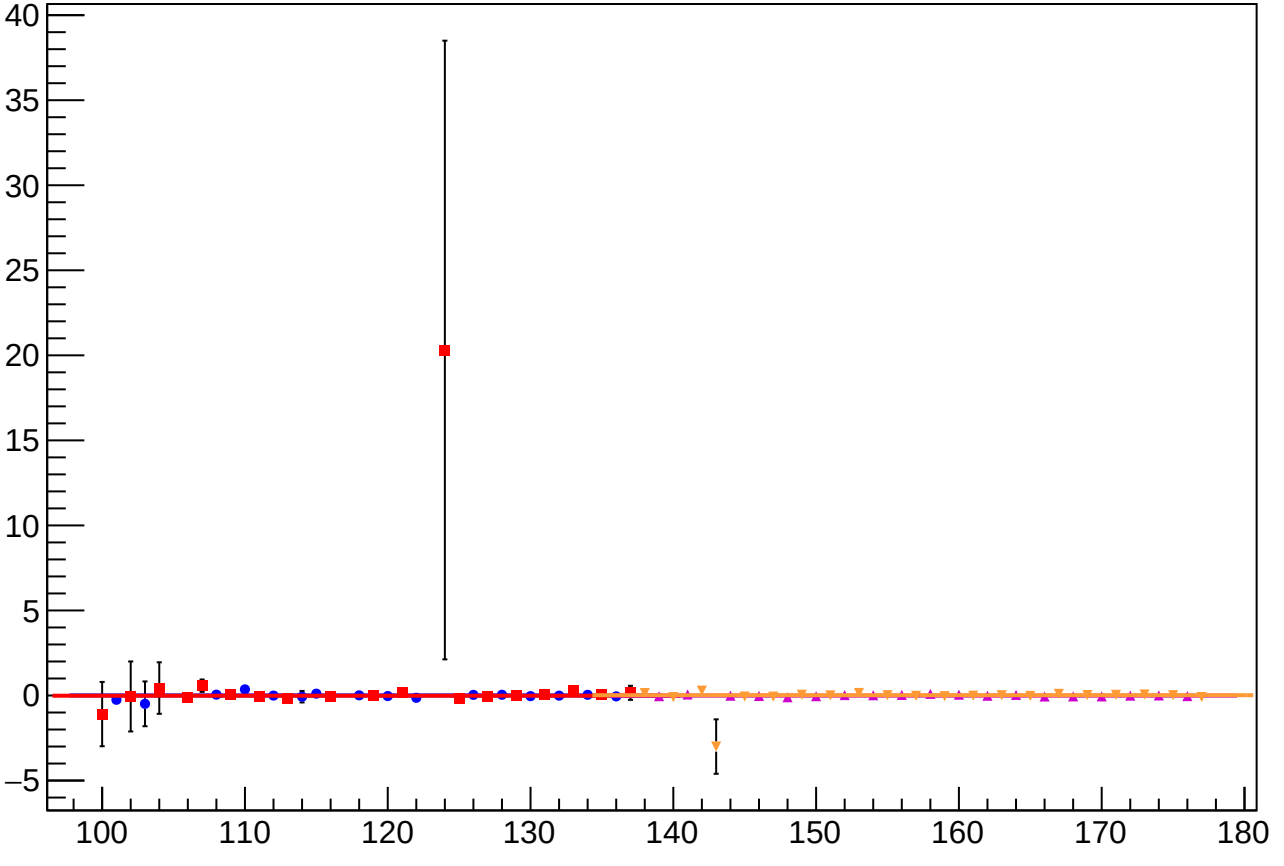
Right: 0.000+/-0.000 χ^2/NDF: 16773891.5/34

In: 0.000+/-0.000 χ^2/NDF:21124079.2/34

Out: 0.000+/-0.000 χ^2/NDF:22100680.6/39

All: 0.000+/-0.000 χ^2/NDF: 43228013.6/74

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: 0.018+/-0.013 χ^2/NDF:26.9/20

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.008+/-0.013 χ^2/NDF:14.6/18

Left: 0.004+/-0.009 χ^2/NDF: 43.5/39

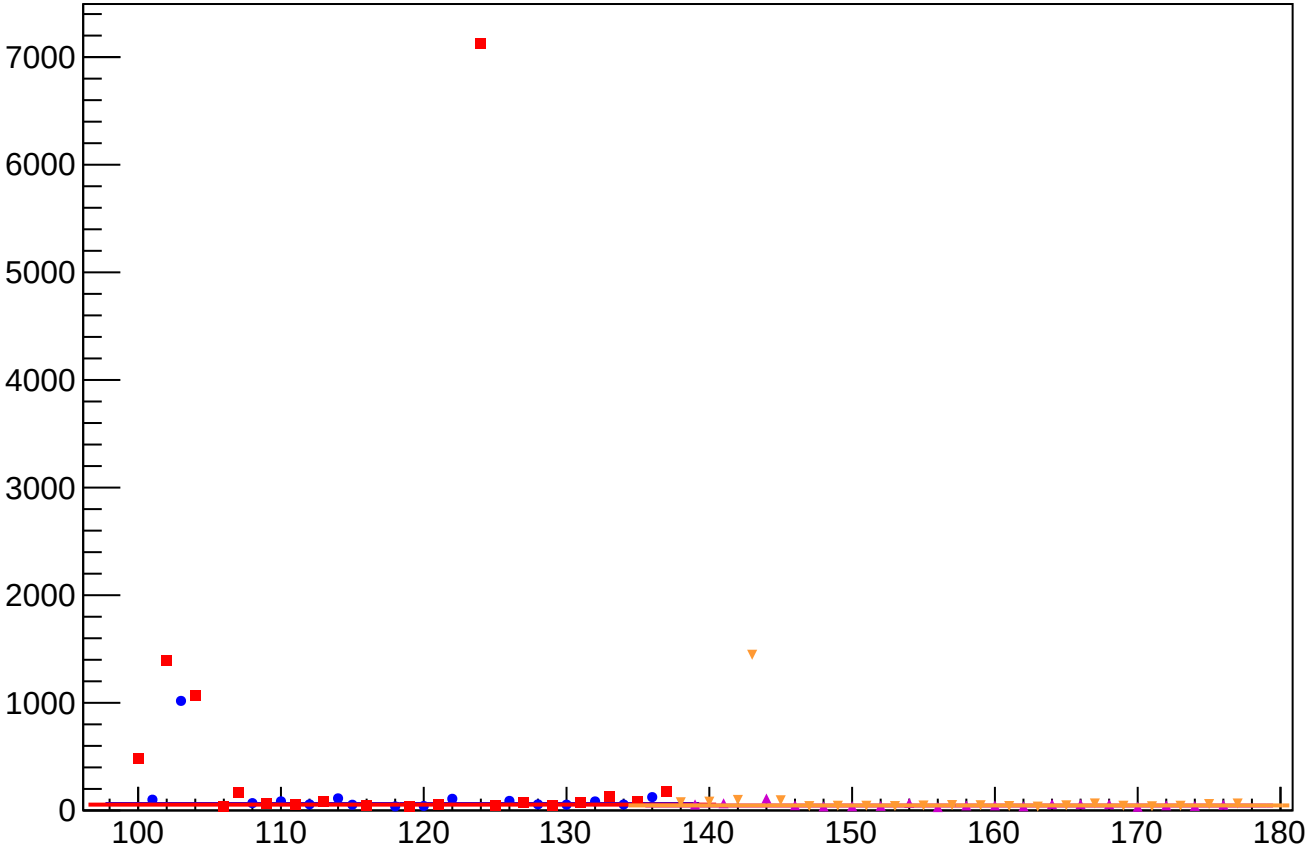
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.006+/-0.012 χ^2/NDF:26.2/34

Out: 0.011+/-0.012 χ^2/NDF:45.6/39

All: 0.003+/-0.008 χ^2/NDF: 72.9/74

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 46.851+/-0.009 χ^2/NDF:3168034.2/20

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 45.585+/-0.009 χ^2/NDF:1715259.1/18

Left: 46.211+/-0.007 χ^2/NDF: 4892629.5/39

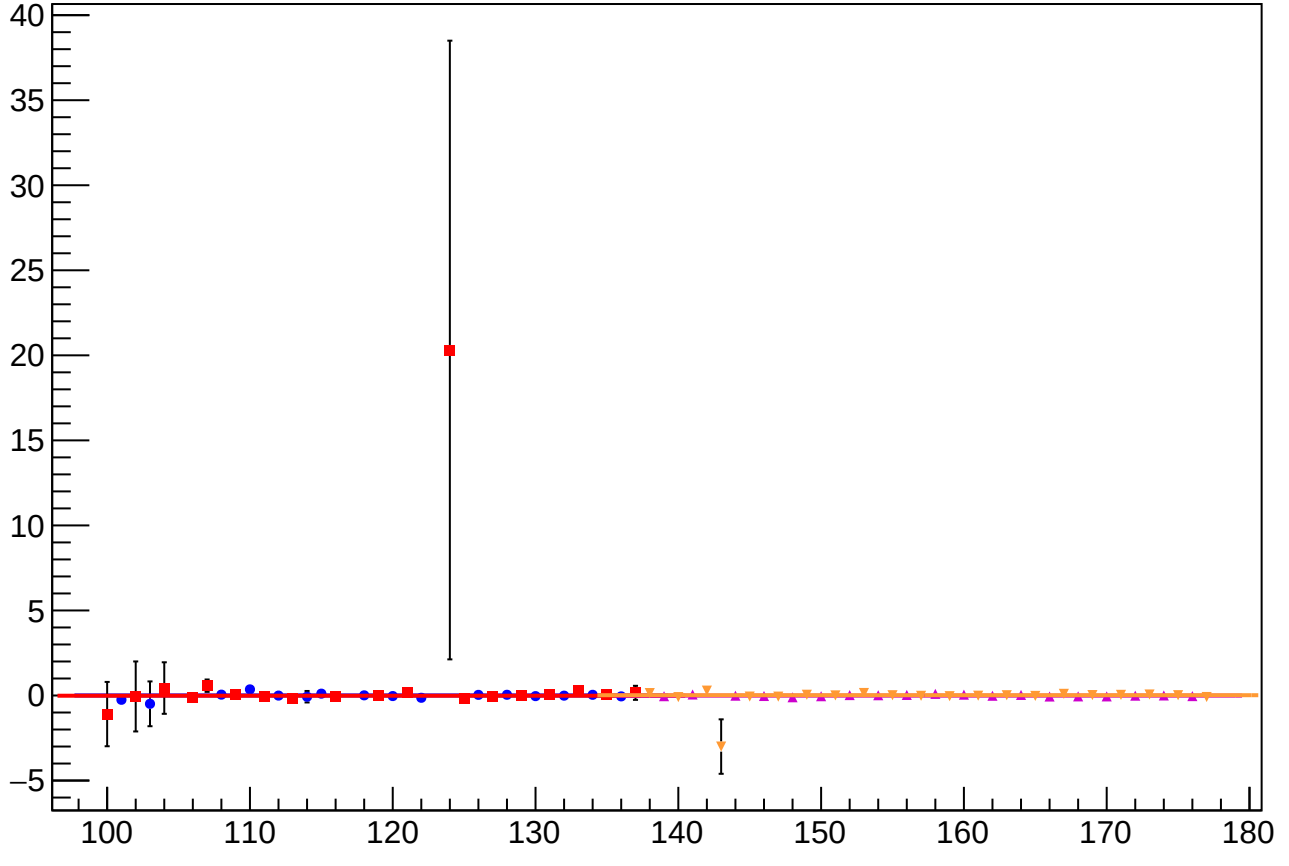
Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 48.323+/-0.008 χ^2/NDF:4714062.9/34

Out: 48.379+/-0.008 χ^2/NDF:6819999.9/39

All: 48.351+/-0.006 χ^2/NDF: 11534085.3/74

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: 0.018+/-0.013 χ^2/NDF:26.9/20

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.008+/-0.013 χ^2/NDF:14.6/18

Left: 0.004+/-0.009 χ^2/NDF: 43.5/39

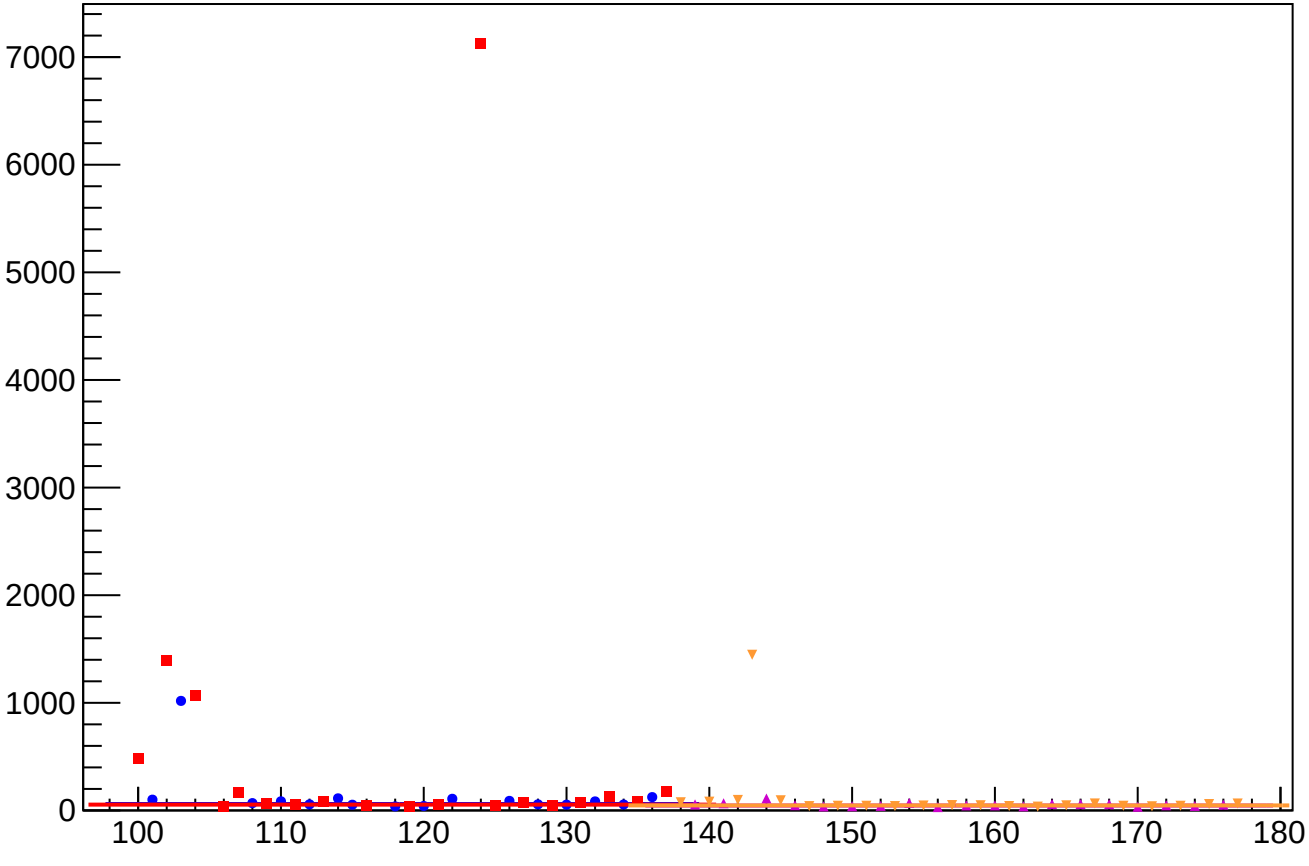
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.006+/-0.012 χ^2/NDF:26.2/34

Out: 0.011+/-0.012 χ^2/NDF:45.6/39

All: 0.003+/-0.008 χ^2/NDF: 72.9/74

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 46.851+/-0.009 χ^2/NDF:3168034.2/20

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 45.585+/-0.009 χ^2/NDF:1715259.1/18

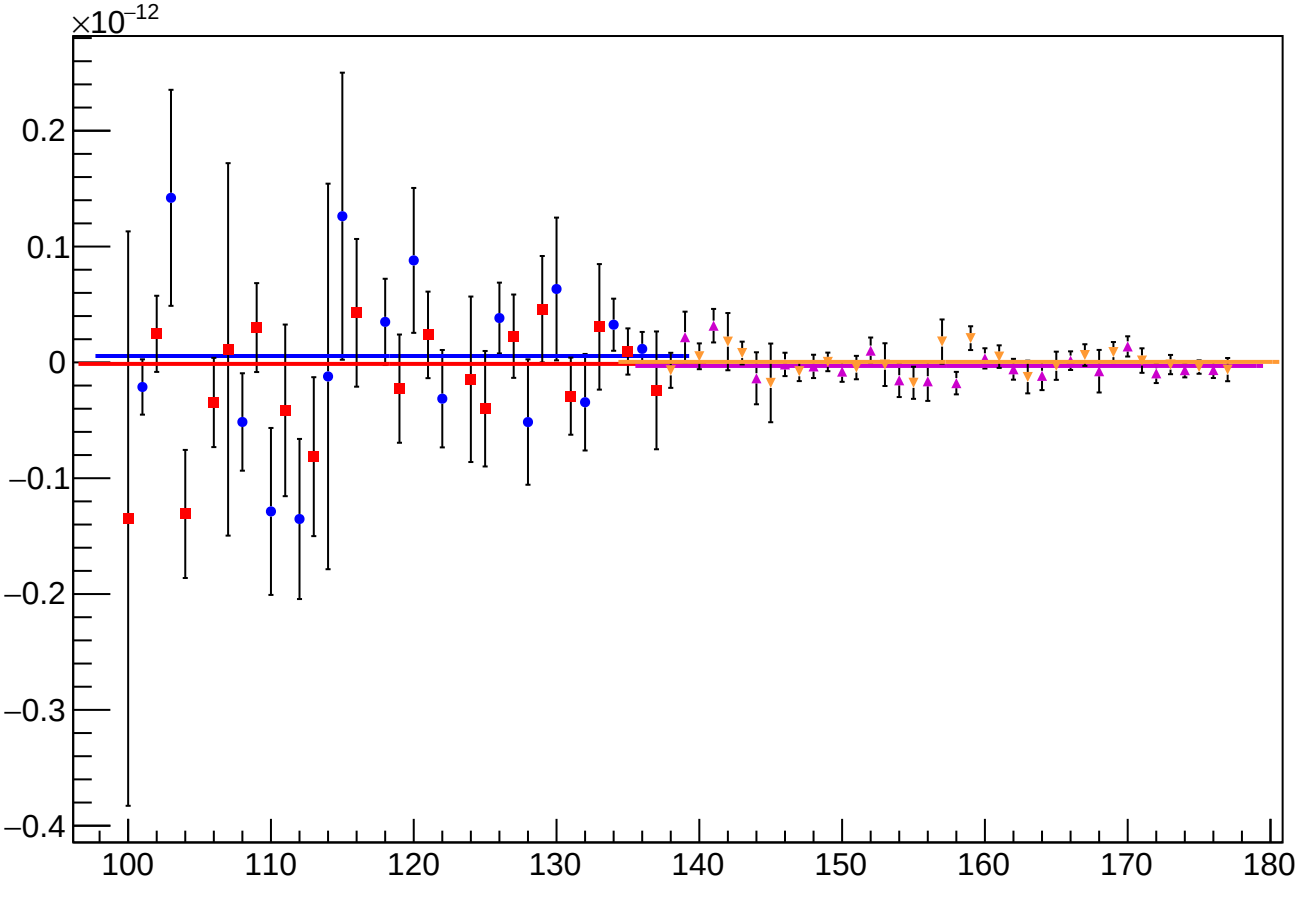
Left: 46.211+/-0.007 χ^2/NDF: 4892629.5/39

Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 48.323+/-0.008 χ^2/NDF:4714062.9/34

Out: 48.379+/-0.008 χ^2/NDF:6819999.9/39

All: 48.351+/-0.006 χ^2/NDF: 11534085.3/74



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.1/20

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:19.1/18

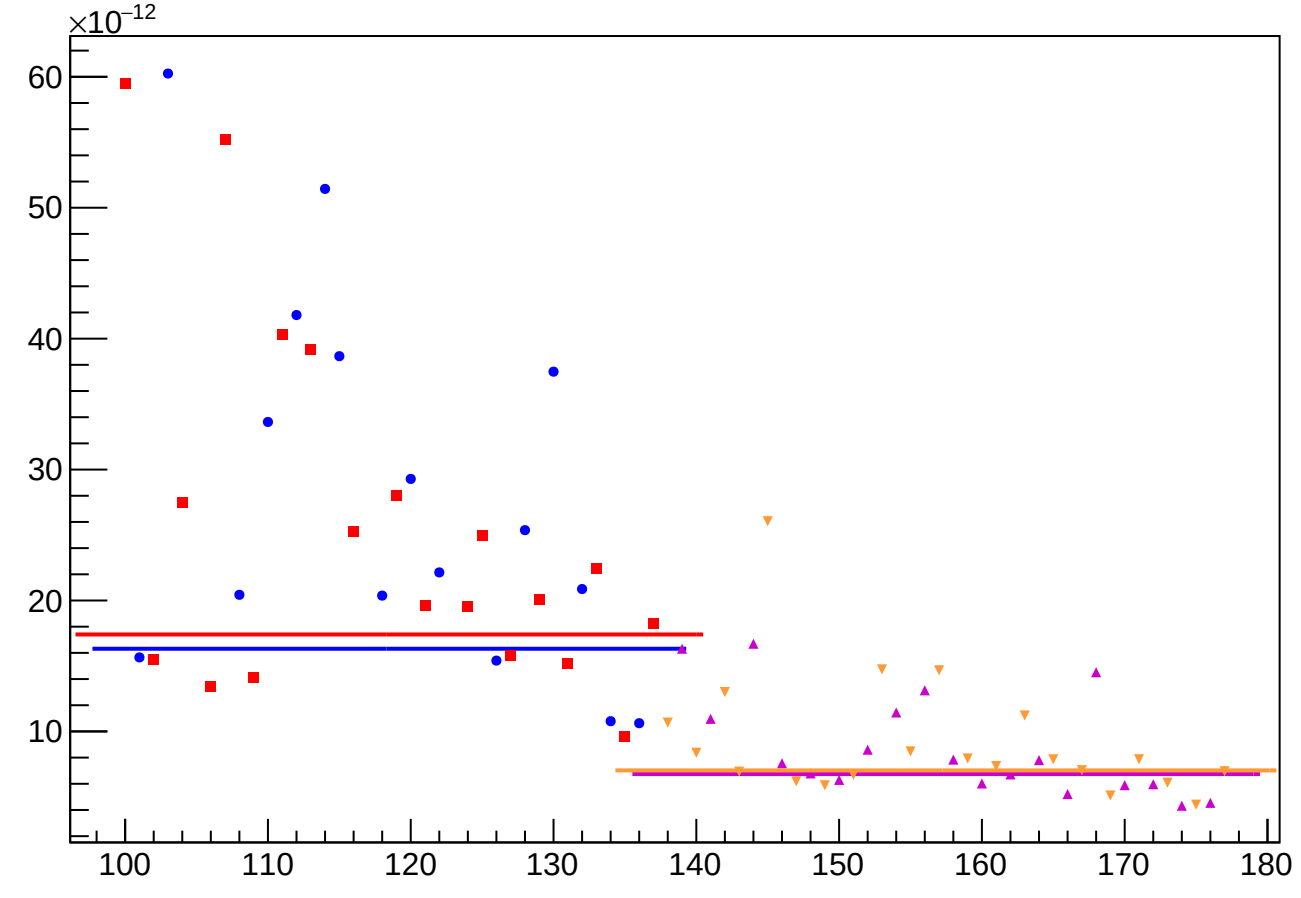
Left: -0.000+/-0.000 χ^2/NDF: 33.3/39

Right: 0.000+/-0.000 χ^2/NDF: 37.2/34

In: -0.000+/-0.000 χ^2/NDF:42.6/34

Out: 0.000+/-0.000 χ^2/NDF:27.4/39

All: -0.000+/-0.000 χ^2/NDF: 70.8/74



Right In: 0.000+/-0.000 χ^2/NDF: 1895019.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2395393.7/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1197059.5/18

Left In: 0.000+/-0.000 χ^2/NDF:2533756.6/18

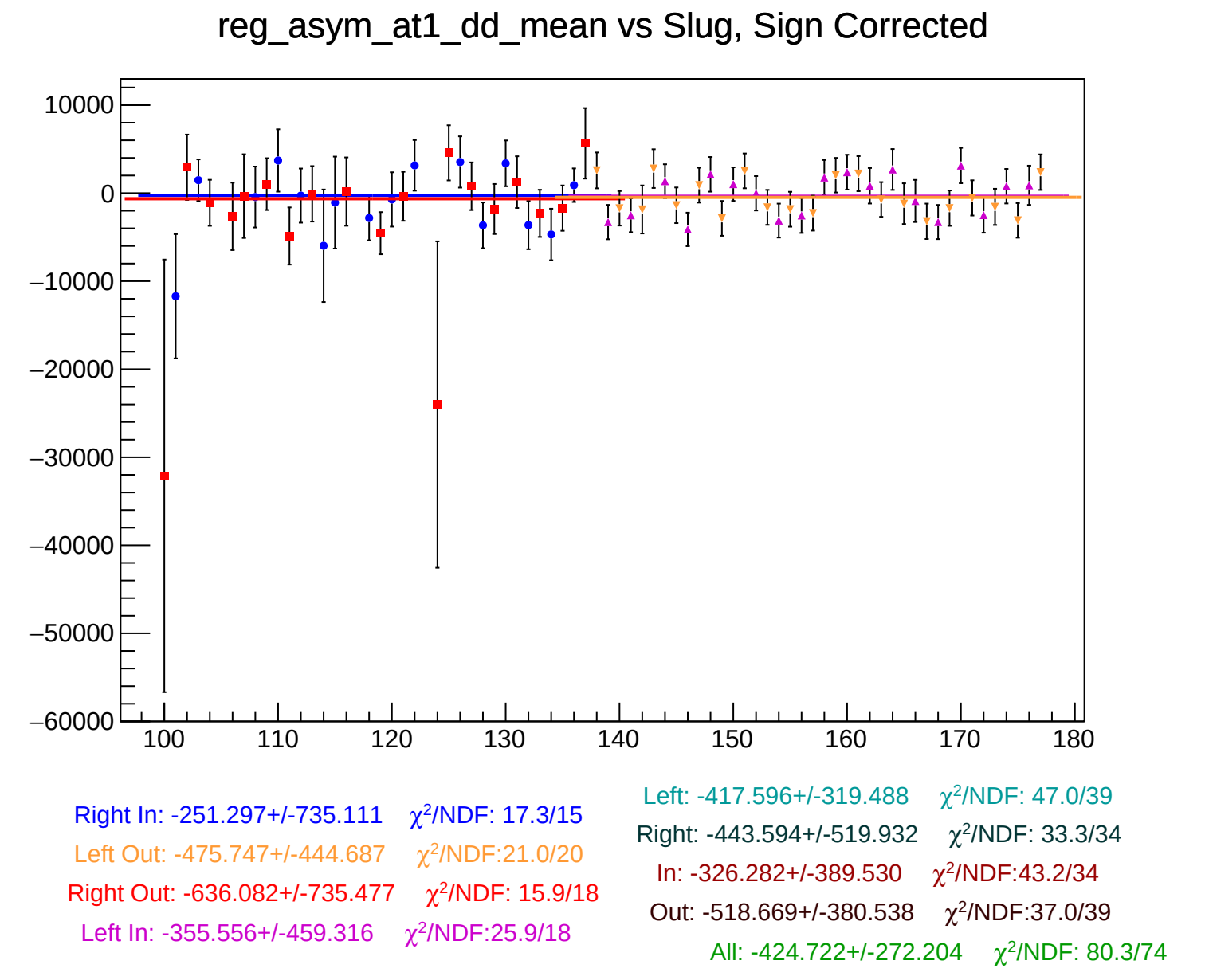
Left: 0.000+/-0.000 χ^2/NDF: 4944083.6/39

Right: 0.000+/-0.000 χ^2/NDF: 3106014.7/34

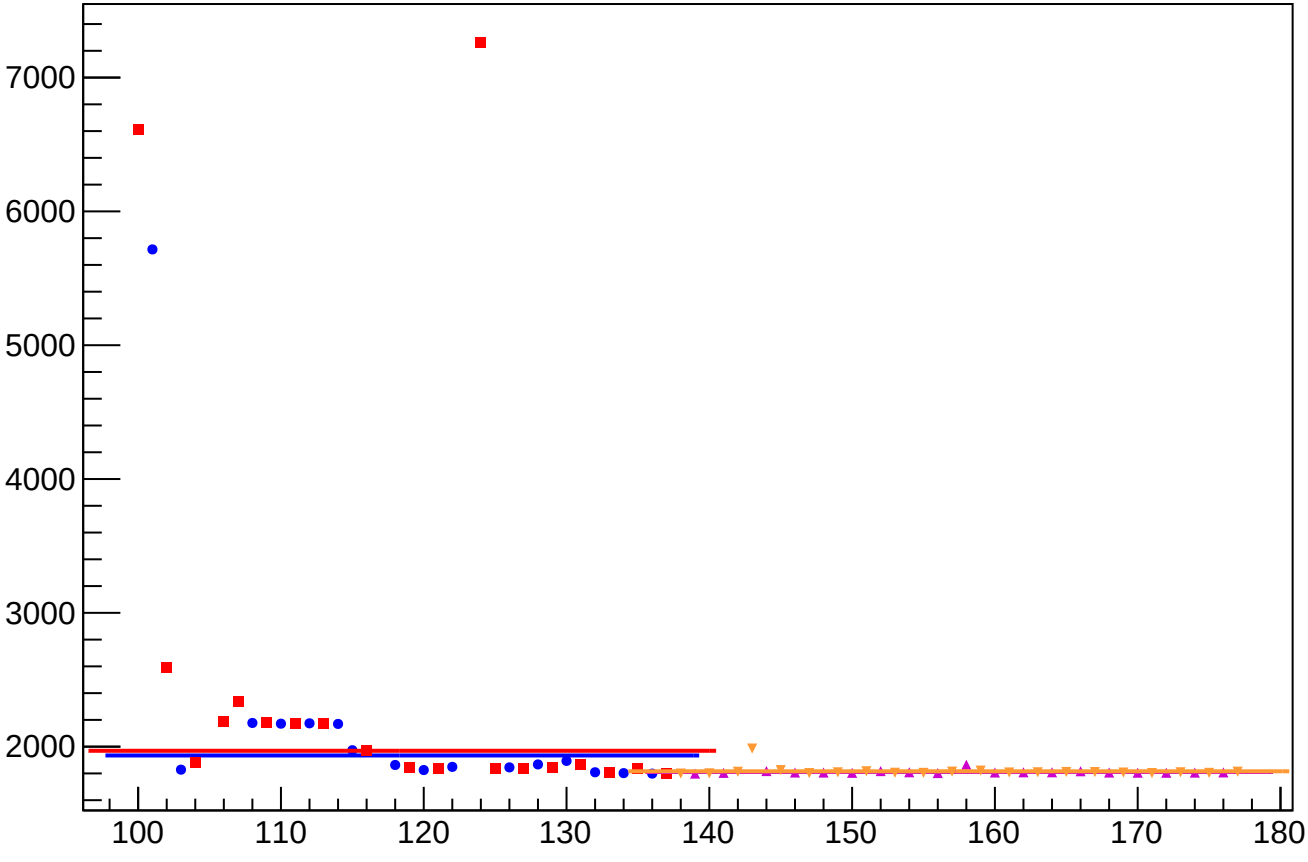
In: 0.000+/-0.000 χ^2/NDF:6719733.9/34

Out: 0.000+/-0.000 χ^2/NDF:5733302.4/39

All: 0.000+/-0.000 χ^2/NDF: 12459996.3/74


reg_asym_at1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
−60000
100
110
120
130
140
150
160
170
180
Right In: -251.297+/-735.111 χ²/NDF: 17.3/15
Left Out: -475.747+/-444.687 χ²/NDF:21.0/20
Right Out: -636.082+/-735.477 χ²/NDF: 15.9/18
Left In: -355.556+/-459.316 χ²/NDF:25.9/18
Left: -417.596+/-319.488 χ²/NDF: 47.0/39
Right: -443.594+/-519.932 χ²/NDF: 33.3/34
In: -326.282+/-389.530 χ²/NDF:43.2/34
Out: -518.669+/-380.538 χ²/NDF:37.0/39
All: -424.722+/-272.204 χ²/NDF: 80.3/74

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1815.982+/-0.314 χ^2/NDF:12854.1/20

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

Left In: 1810.755+/-0.325 χ^2/NDF:1805.2/18

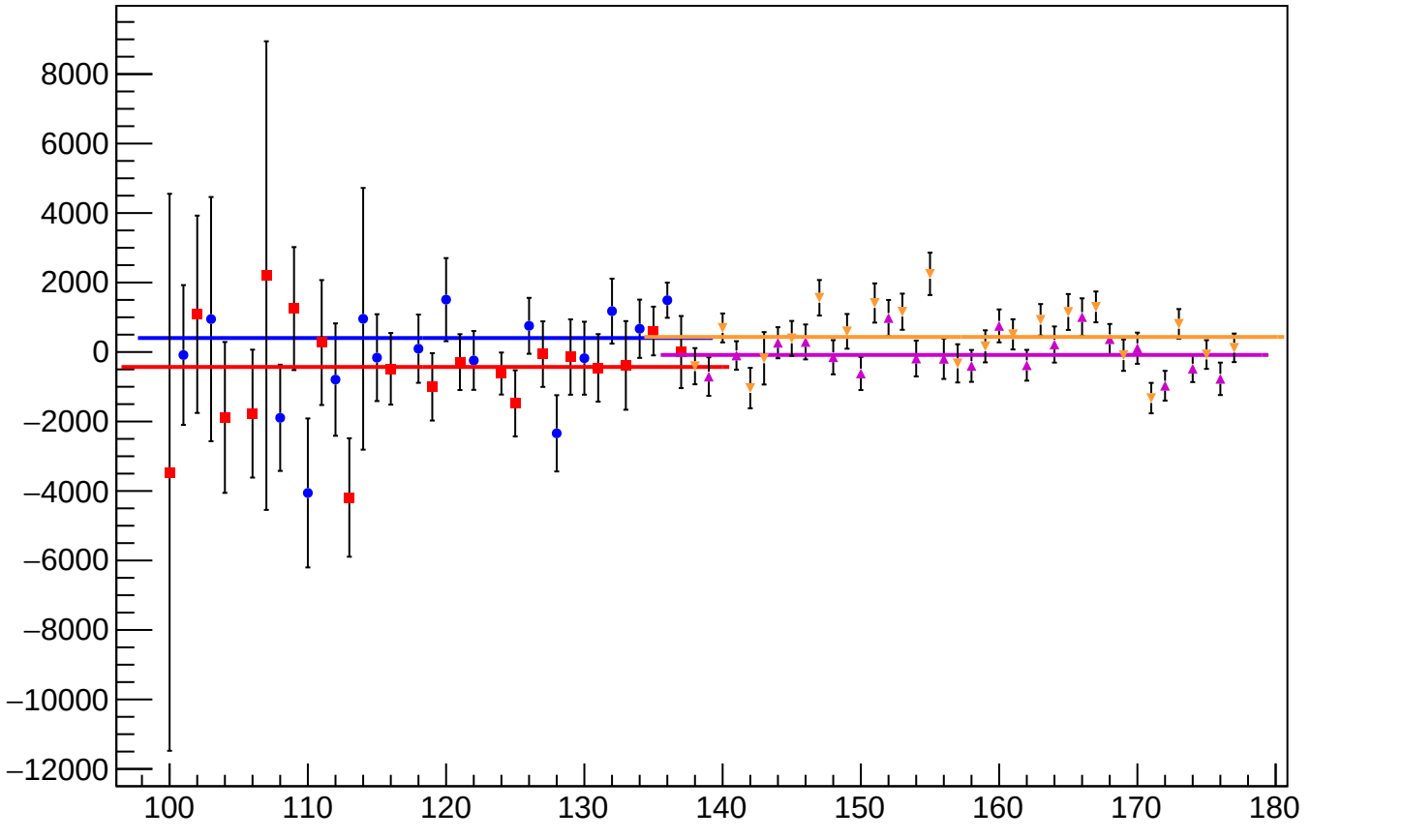
Left: 1813.453+/-0.226 χ^2/NDF: 14793.0/39

Right: 1951.702+/-0.368 χ^2/NDF: 1020563.0/34

In: 1845.421+/-0.275 χ^2/NDF:682298.8/34

Out: 1857.001+/-0.269 χ^2/NDF:454798.1/39

All: 1851.346+/-0.192 χ^2/NDF: 1138001.2/74



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 434.008+/-105.495 χ^2/NDF:58.4/20

Right Out: -430.066+/-252.823 χ^2/NDF: 11.7/18

Left In: -83.734+/-108.106 χ^2/NDF:25.2/18

Left: 181.465+/-75.503 χ^2/NDF: 95.3/39

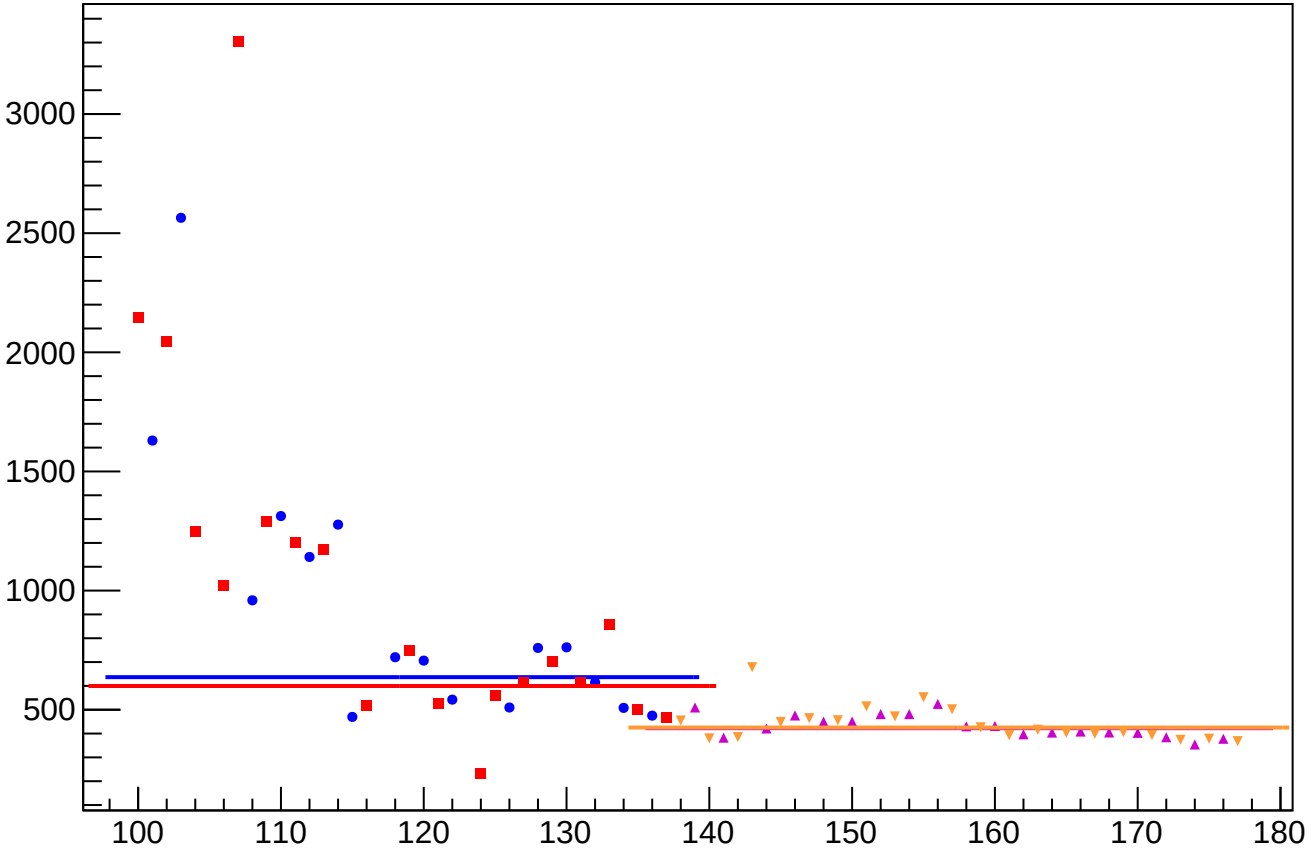
Right: -23.083+/-180.772 χ^2/NDF: 38.2/34

In: -11.369+/-99.740 χ^2/NDF:49.4/34

Out: 305.871+/-97.359 χ^2/NDF:80.0/39

All: 151.082+/-69.670 χ^2/NDF: 134.6/74

asym_at1_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 425.248+/-0.075 χ^2/NDF:610173.5/20

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

Left In: 422.580+/-0.076 χ^2/NDF:333496.0/18

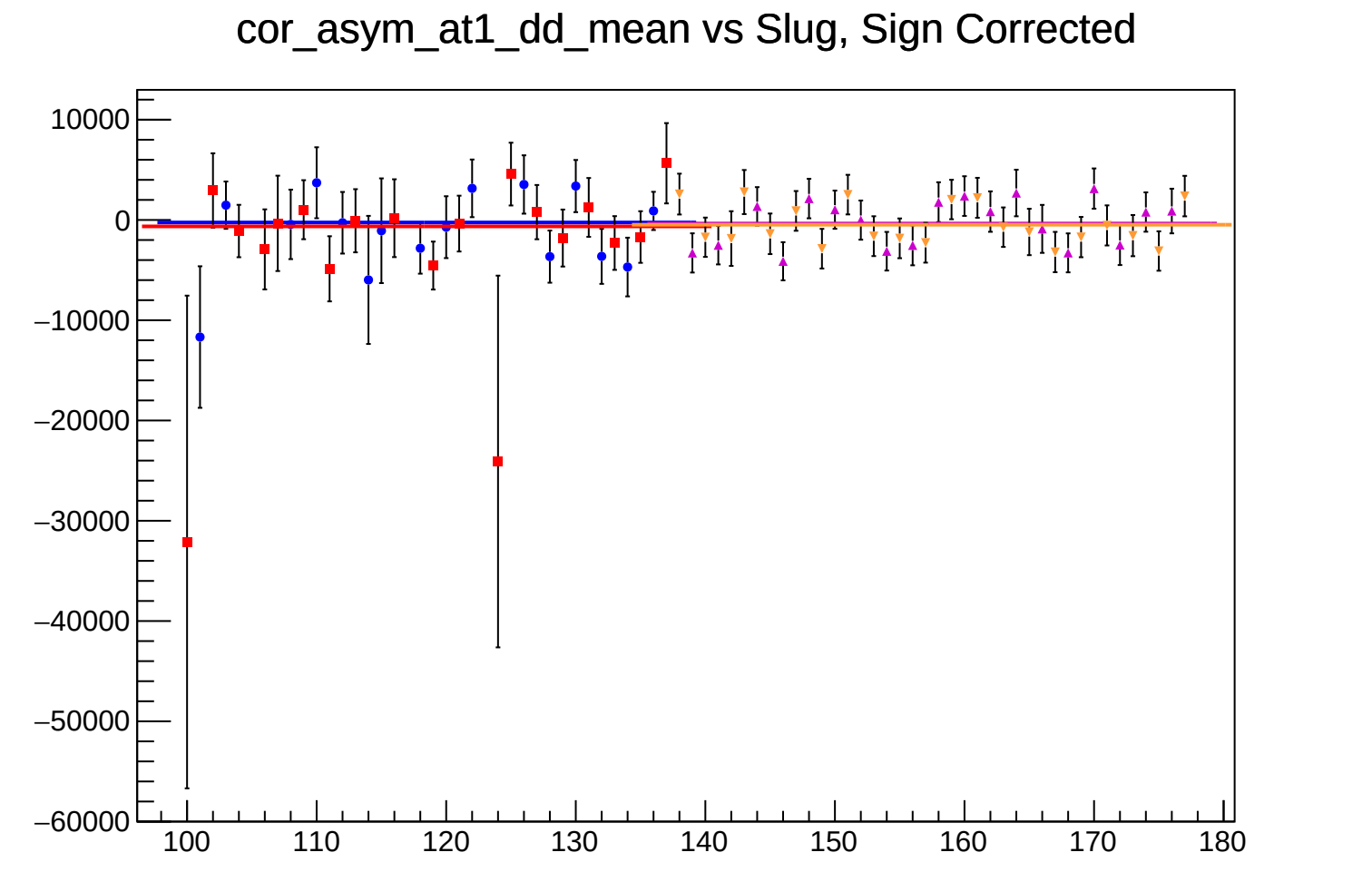
Left: 423.946+/-0.053 χ^2/NDF: 944293.4/39

Right: 617.749+/-0.128 χ^2/NDF: 5032005.8/34

In: 454.438+/-0.071 χ^2/NDF:3567769.0/34

Out: 451.108+/-0.069 χ^2/NDF:4364668.3/39

All: 452.733+/-0.049 χ^2/NDF: 7933579.4/74



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -475.790+/-444.687 χ^2/NDF:21.0/20

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -355.551+/-459.316 χ^2/NDF:25.9/18

Left: -417.616+/-319.488 χ^2/NDF: 47.0/39

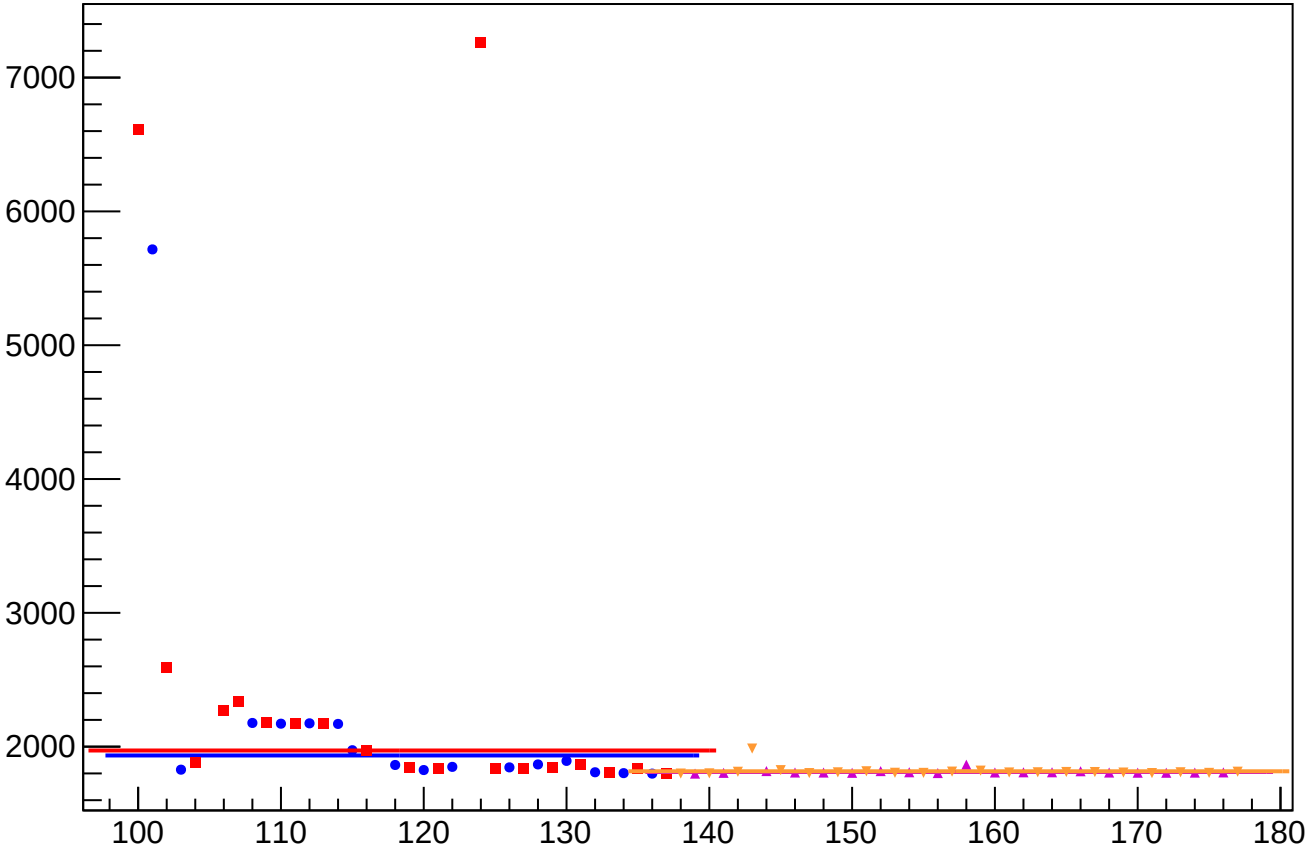
Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -326.051+/-389.530 χ^2/NDF:43.2/34

Out: -519.887+/-380.686 χ^2/NDF:37.0/39

All: -425.194+/-272.259 χ^2/NDF: 80.3/74

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1815.982+/-0.314 χ^2/NDF:12854.1/20

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1810.755+/-0.325 χ^2/NDF:1805.2/18

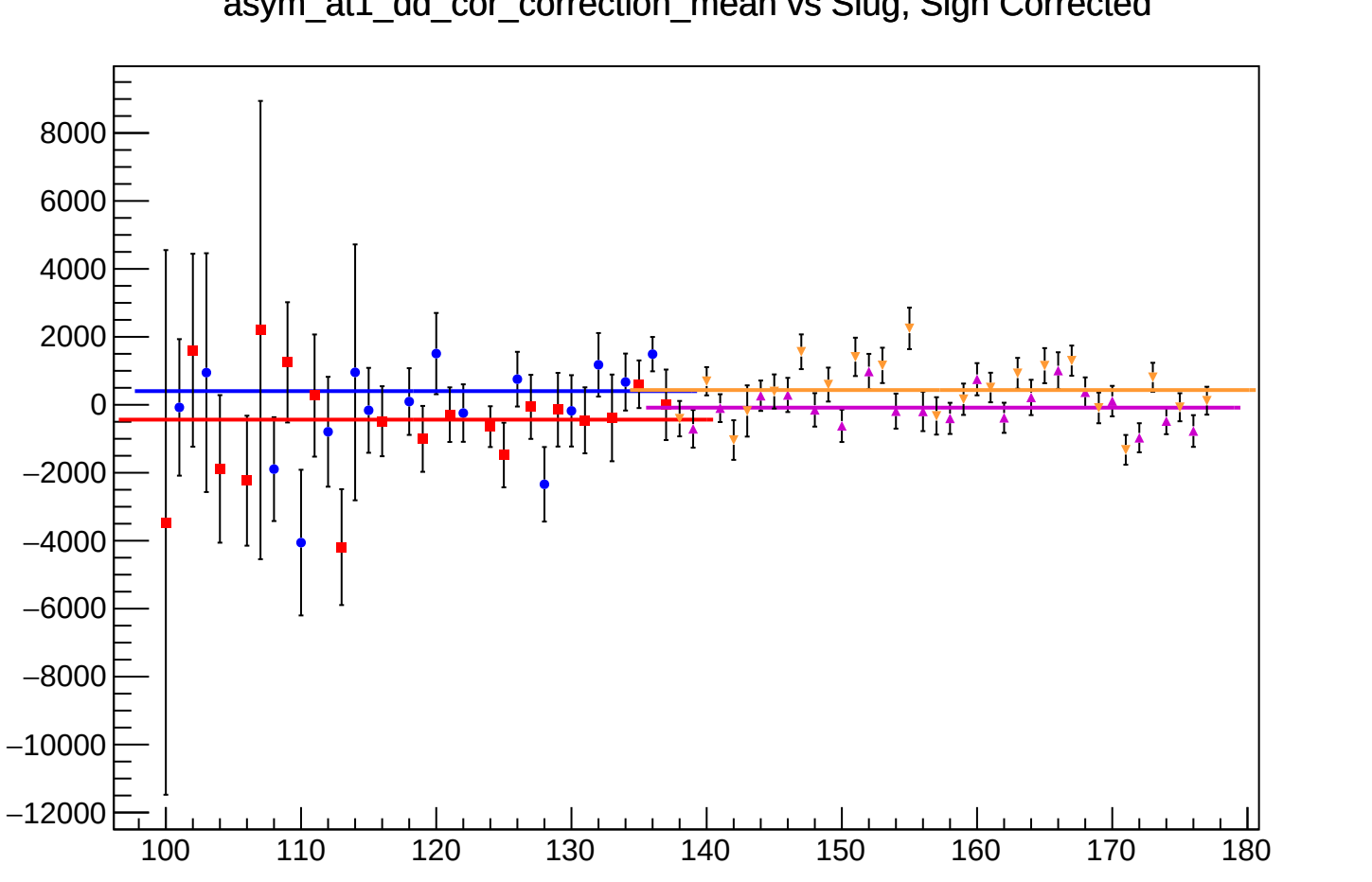
Left: 1813.453+/-0.226 χ^2/NDF: 14793.0/39

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1845.421+/-0.275 χ^2/NDF:682298.7/34

Out: 1857.489+/-0.269 χ^2/NDF:461255.2/39

All: 1851.594+/-0.193 χ^2/NDF: 1144535.7/74



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 433.984+/-105.495 χ^2/NDF:58.4/20

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -83.711+/-108.105 χ^2/NDF:25.2/18

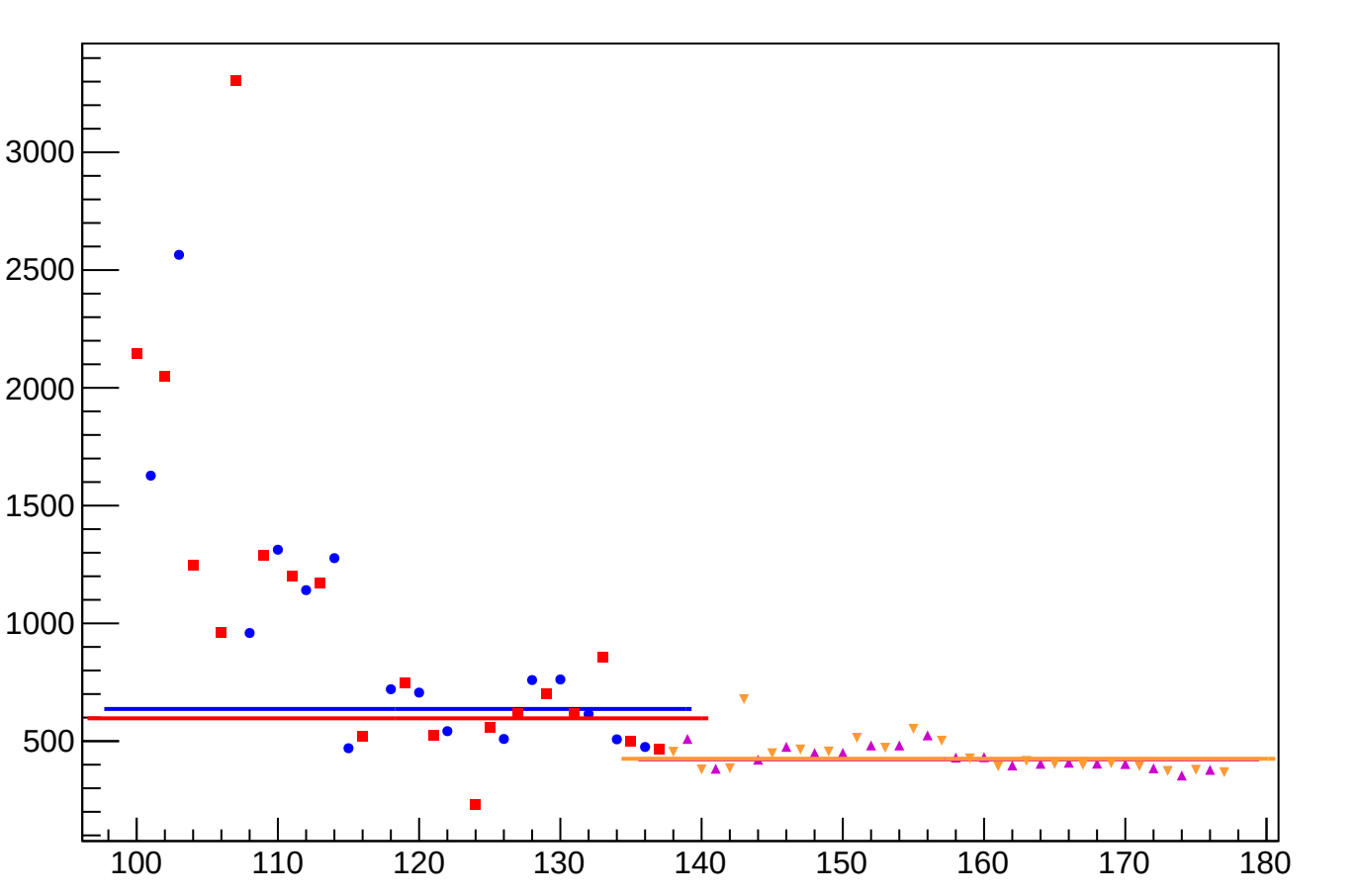
Left: 181.461+/-75.502 χ^2/NDF: 95.3/39

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: -11.334+/-99.739 χ^2/NDF:49.4/34

Out: 304.737+/-97.351 χ^2/NDF:80.8/39

All: 150.530+/-69.666 χ^2/NDF: 135.4/74



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 425.249+/-0.075 χ^2/NDF:610124.8/20

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 422.574+/-0.076 χ^2/NDF:333542.0/18

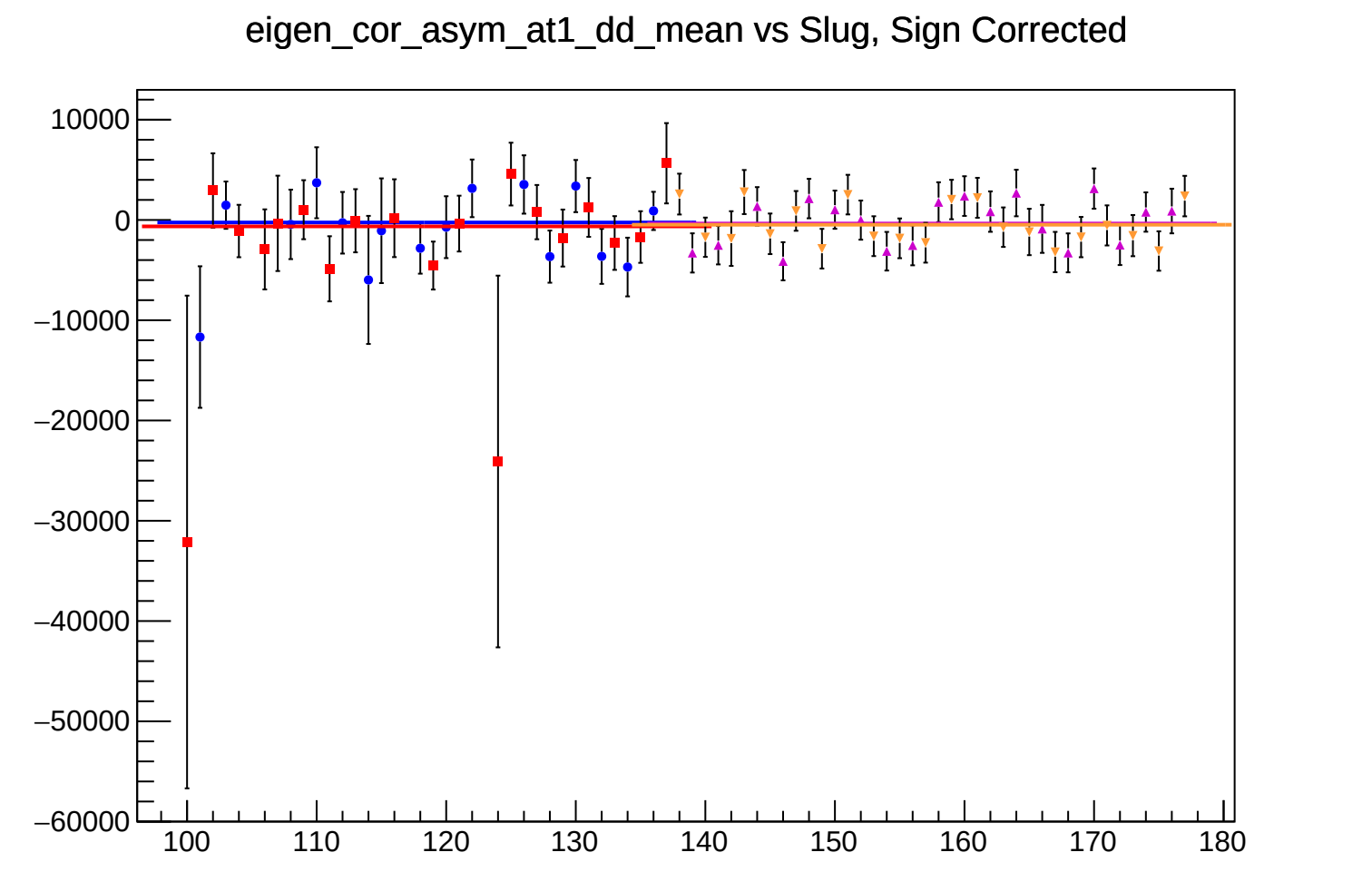
Left: 423.944+/-0.053 χ^2/NDF: 944293.9/39

Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 454.435+/-0.071 χ^2/NDF:3567070.9/34

Out: 450.724+/-0.069 χ^2/NDF:4326215.7/39

All: 452.534+/-0.049 χ^2/NDF: 7894704.6/74



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -475.790+/-444.687 χ^2/NDF:21.0/20

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -355.551+/-459.316 χ^2/NDF:25.9/18

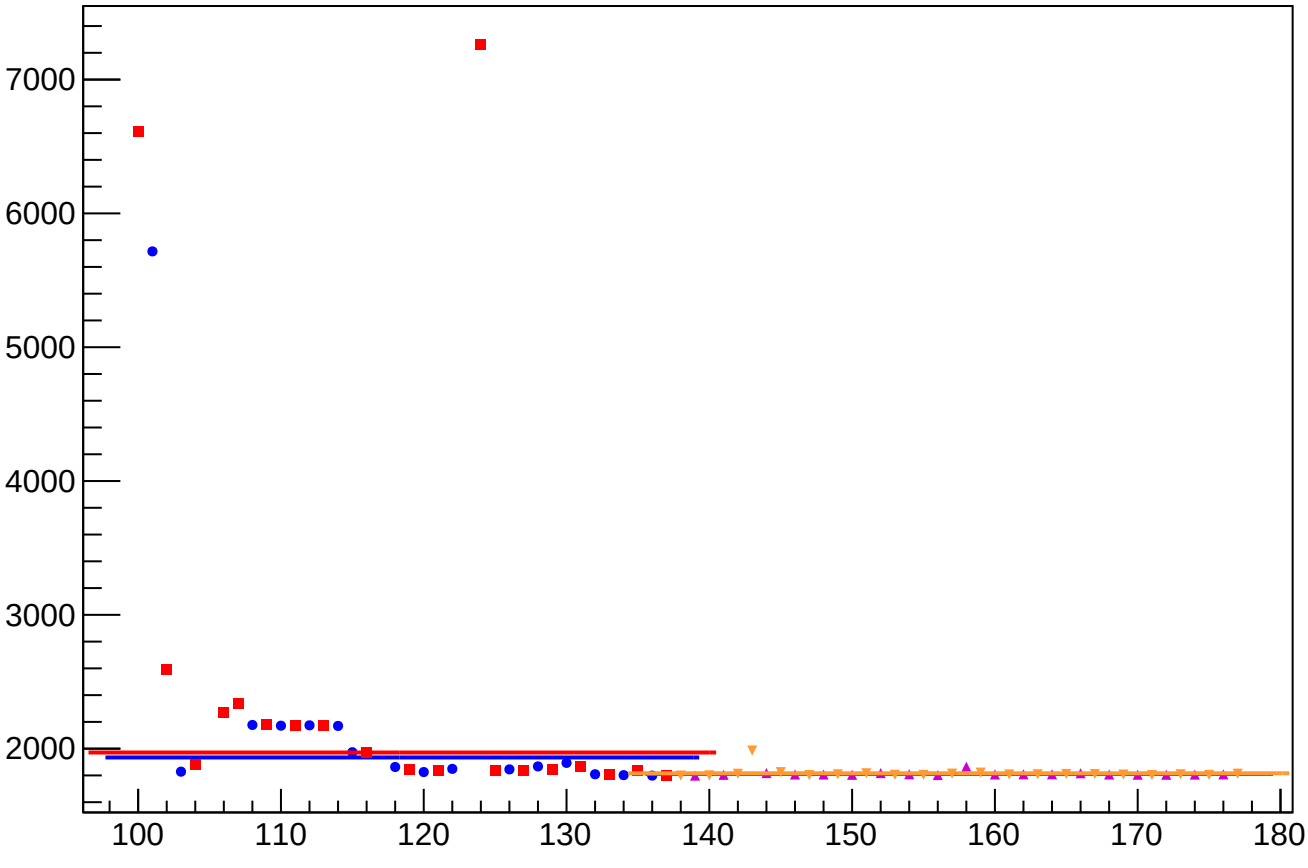
Left: -417.616+/-319.488 χ^2/NDF: 47.0/39

Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -326.051+/-389.530 χ^2/NDF:43.2/34

Out: -519.887+/-380.686 χ^2/NDF:37.0/39

All: -425.194+/-272.259 χ^2/NDF: 80.3/74



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1815.982+/-0.314 χ^2/NDF:12854.1/20

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1810.755+/-0.325 χ^2/NDF:1805.2/18

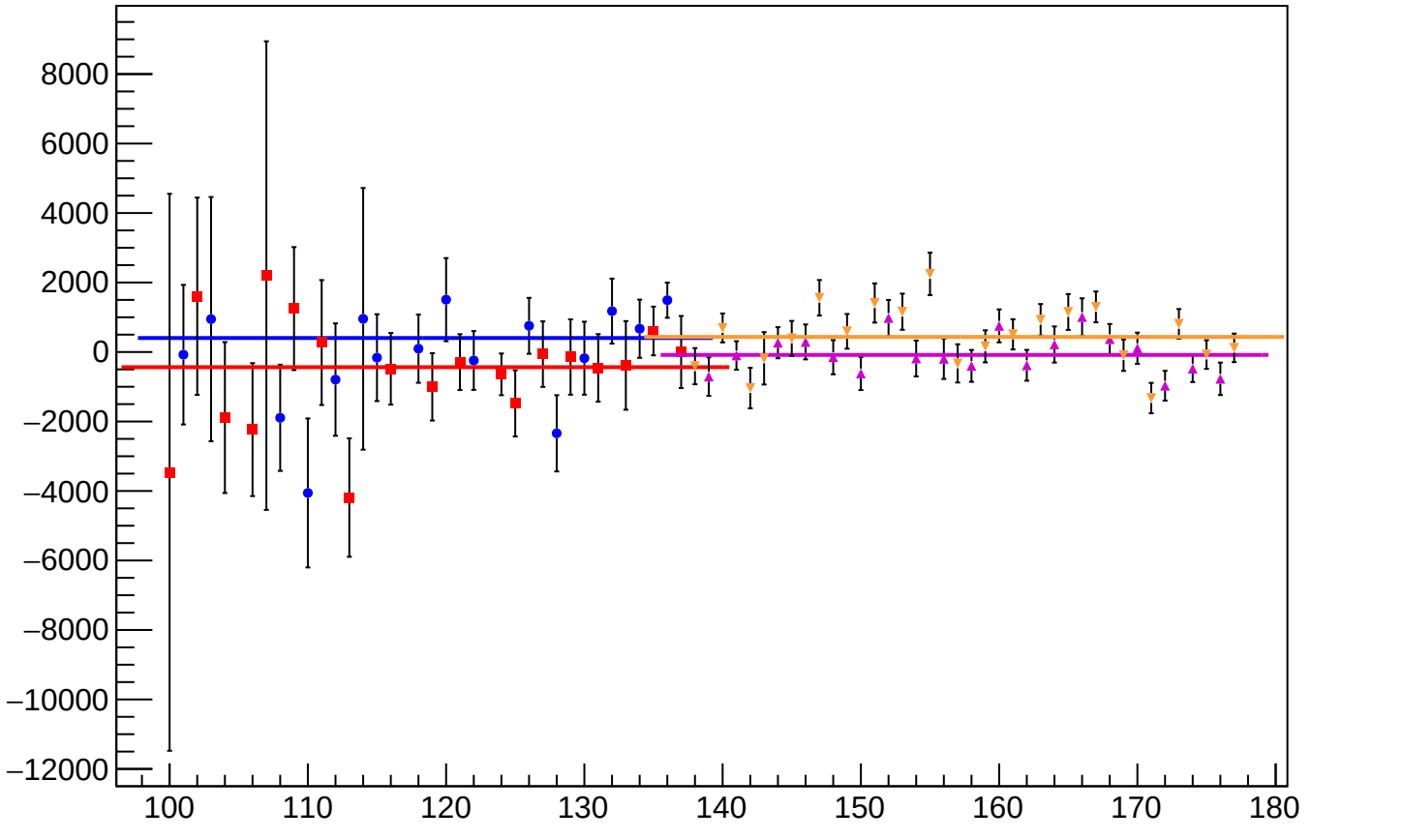
Left: 1813.453+/-0.226 χ^2/NDF: 14793.0/39

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1845.421+/-0.275 χ^2/NDF:682298.7/34

Out: 1857.489+/-0.269 χ^2/NDF:461255.2/39

All: 1851.594+/-0.193 χ^2/NDF: 1144535.7/74



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 433.984+/-105.495 χ^2/NDF:58.4/20

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -83.711+/-108.105 χ^2/NDF:25.2/18

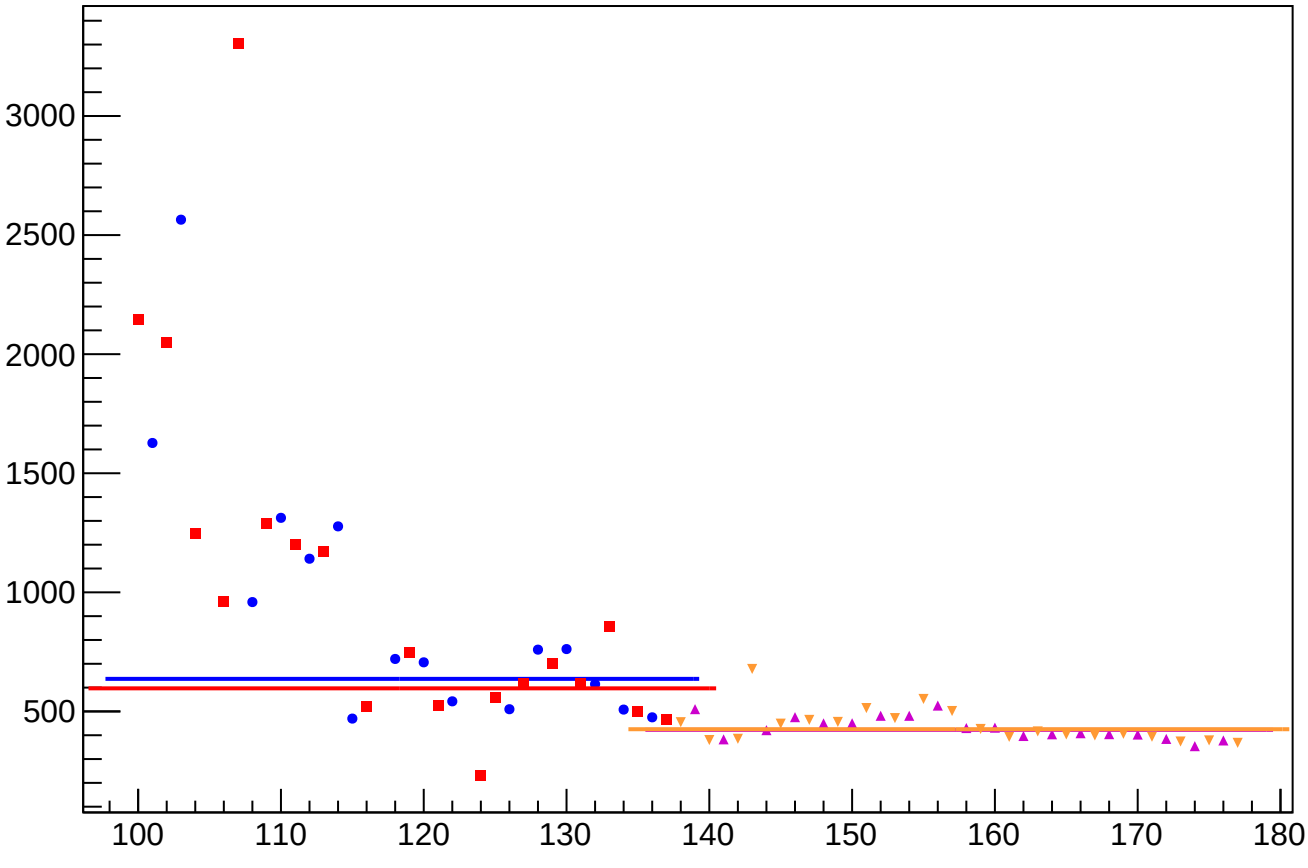
Left: 181.461+/-75.502 χ^2/NDF: 95.3/39

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: -11.334+/-99.739 χ^2/NDF:49.4/34

Out: 304.737+/-97.351 χ^2/NDF:80.8/39

All: 150.530+/-69.666 χ^2/NDF: 135.4/74



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 425.249+/-0.075 χ^2/NDF:610124.8/20

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 422.574+/-0.076 χ^2/NDF:333542.0/18

Left: 423.944+/-0.053 χ^2/NDF: 944293.9/39

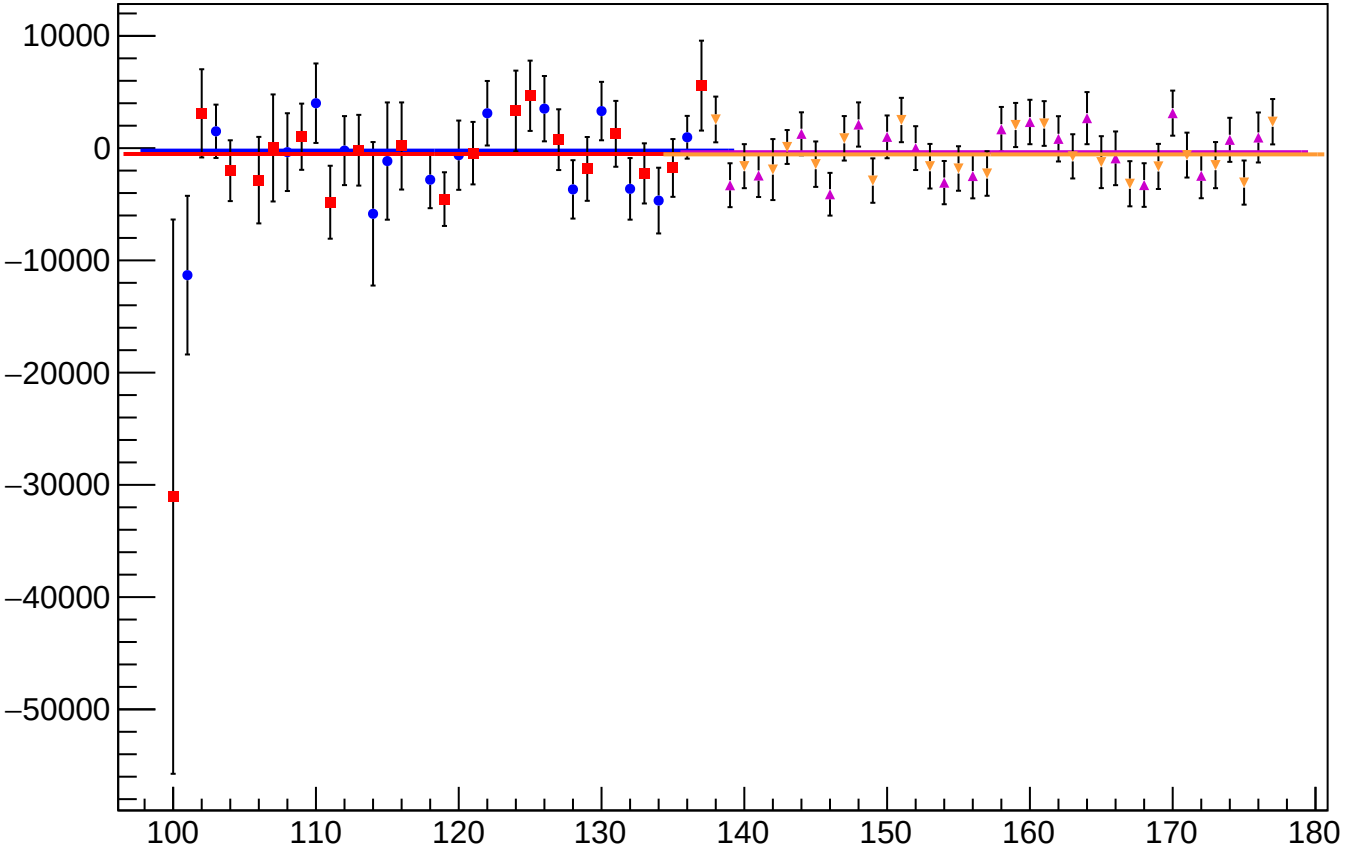
Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 454.435+/-0.071 χ^2/NDF:3567070.9/34

Out: 450.724+/-0.069 χ^2/NDF:4326215.7/39

All: 452.534+/-0.049 χ^2/NDF: 7894704.6/74

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -554.612+/-434.922 χ^2/NDF:18.7/20

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: -360.759+/-459.472 χ^2/NDF:25.3/18

Left: -463.002+/-315.859 χ^2/NDF: 44.1/39

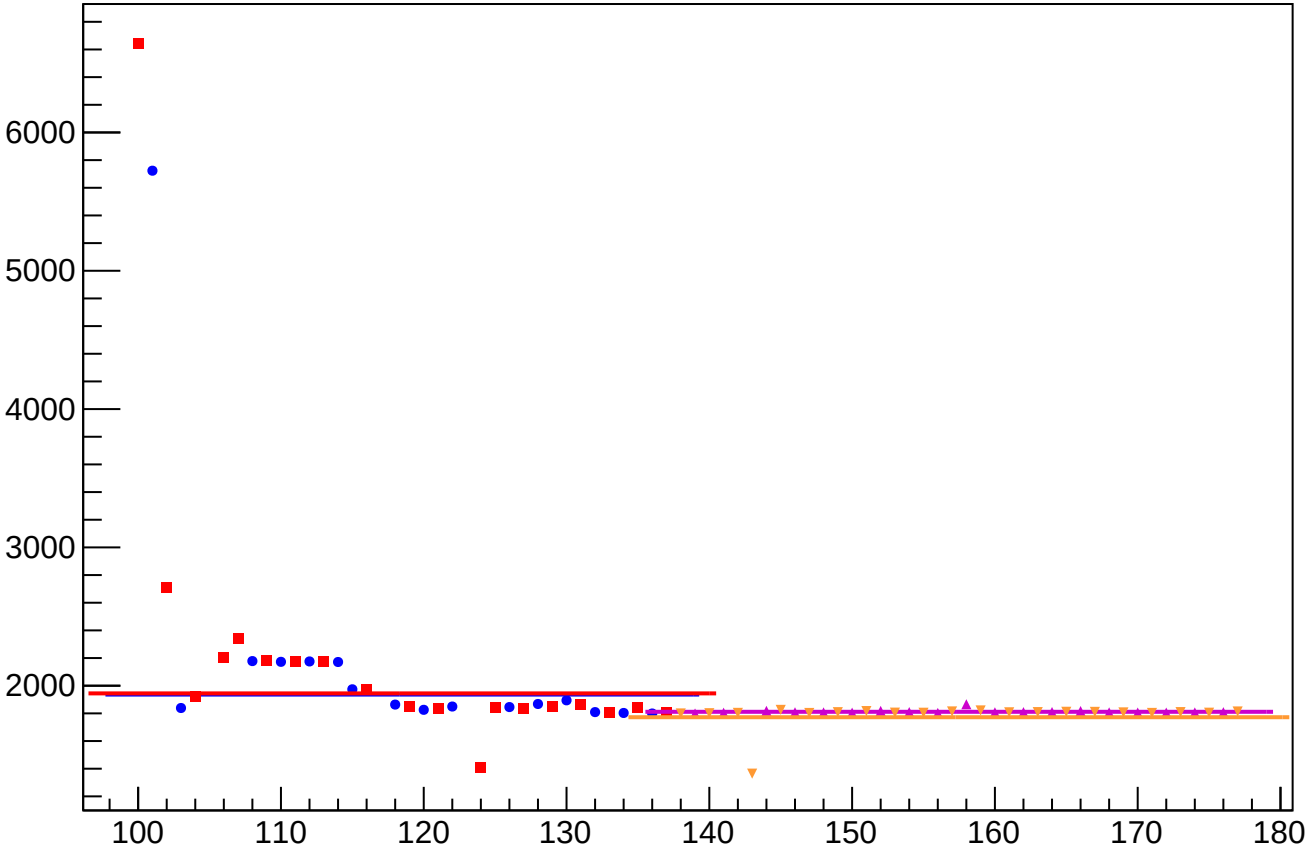
Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -321.387+/-389.740 χ^2/NDF:42.5/34

Out: -545.522+/-372.957 χ^2/NDF:34.3/39

All: -438.384+/-269.459 χ^2/NDF: 76.9/74

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1772.162+/-0.308 χ^2/NDF:159594.3/20

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

Left In: 1811.369+/-0.325 χ^2/NDF:1800.9/18

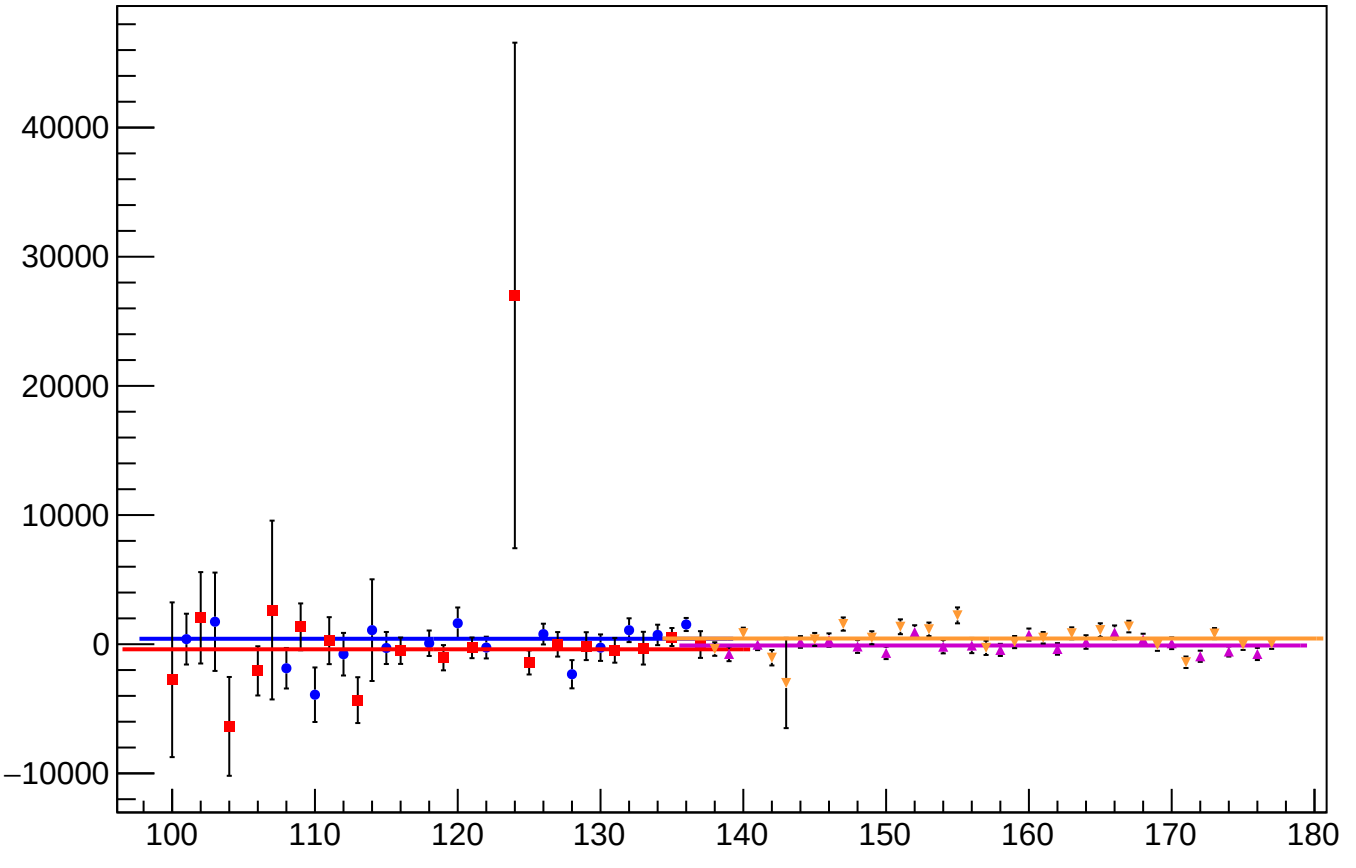
Left: 1790.690+/-0.223 χ^2/NDF: 169075.8/39

Right: 1940.298+/-0.365 χ^2/NDF: 916167.7/34

In: 1846.320+/-0.276 χ^2/NDF:682867.2/34

Out: 1817.770+/-0.264 χ^2/NDF:518919.5/39

All: 1831.417+/-0.191 χ^2/NDF: 1207389.2/74



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 441.995+/-107.938 χ^2/NDF:57.8/20

Right Out: -393.590+/-279.562 χ^2/NDF: 15.9/18

Left In: -98.812+/-109.667 χ^2/NDF:23.9/18

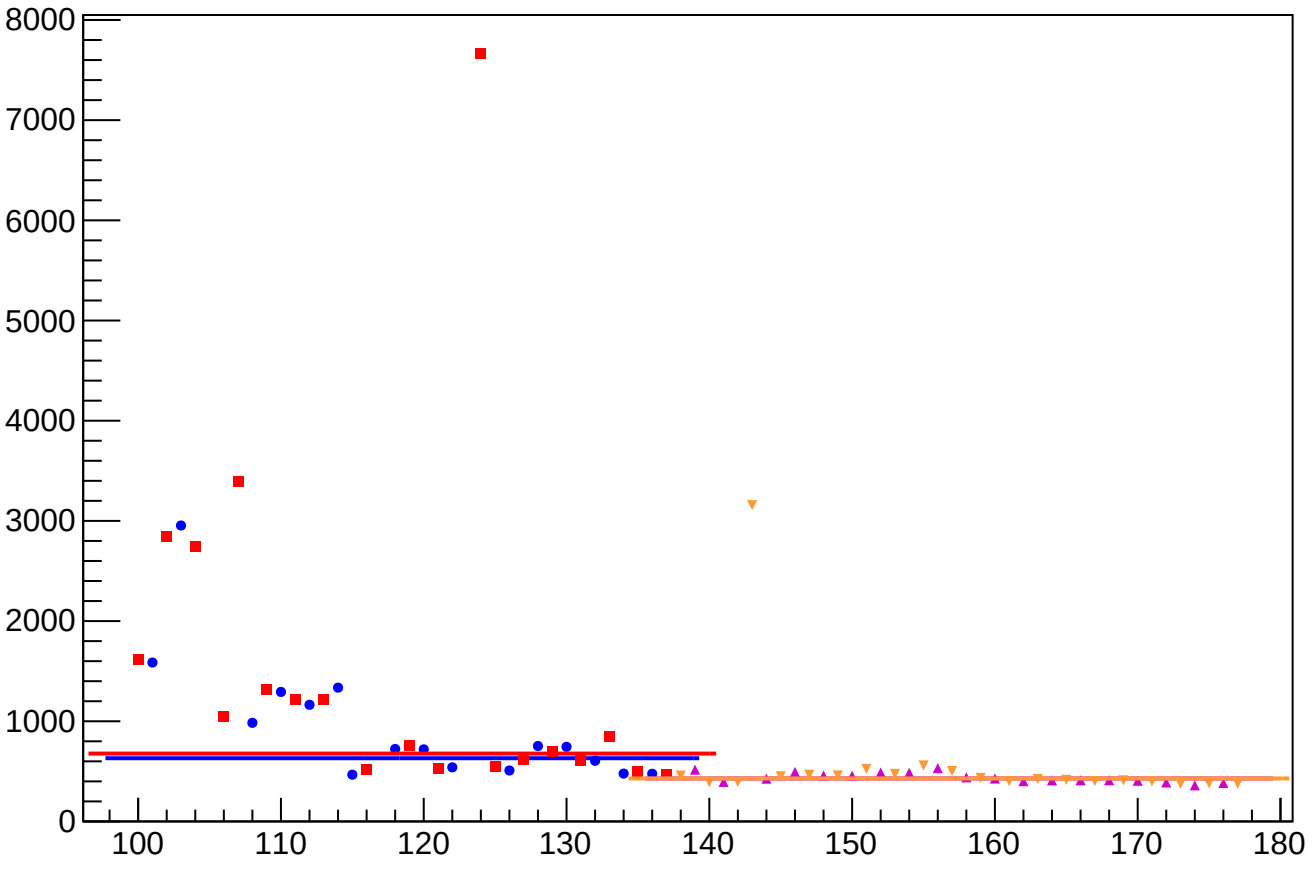
Left: 175.889+/-76.927 χ^2/NDF: 94.1/39

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: -18.585+/-100.852 χ^2/NDF:48.8/34

Out: 333.594+/-100.693 χ^2/NDF:81.5/39

All: 157.783+/-71.257 χ^2/NDF: 136.4/74



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 429.099+/-0.076 χ^2/NDF:1579391.7/20

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

Left In: 429.134+/-0.078 χ^2/NDF:334231.3/18

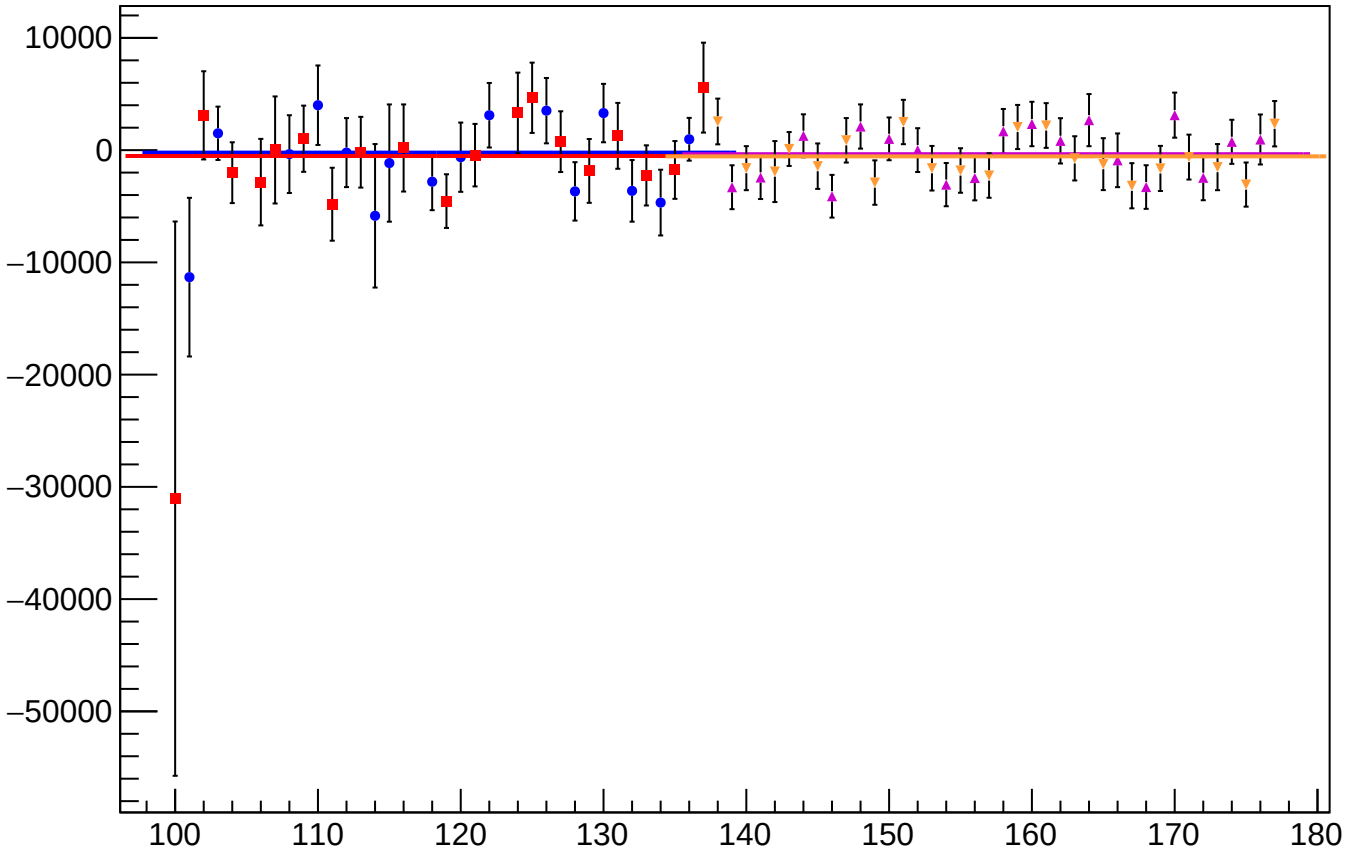
Left: 429.117+/-0.054 χ^2/NDF: 1913623.0/39

Right: 652.323+/-0.134 χ^2/NDF: 5345805.1/34

In: 460.303+/-0.071 χ^2/NDF:3615733.3/34

Out: 461.316+/-0.071 χ^2/NDF:6034413.1/39

All: 460.810+/-0.050 χ^2/NDF: 9650247.6/74



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -554.612+/-434.922 χ^2/NDF:18.7/20

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: -360.759+/-459.472 χ^2/NDF:25.3/18

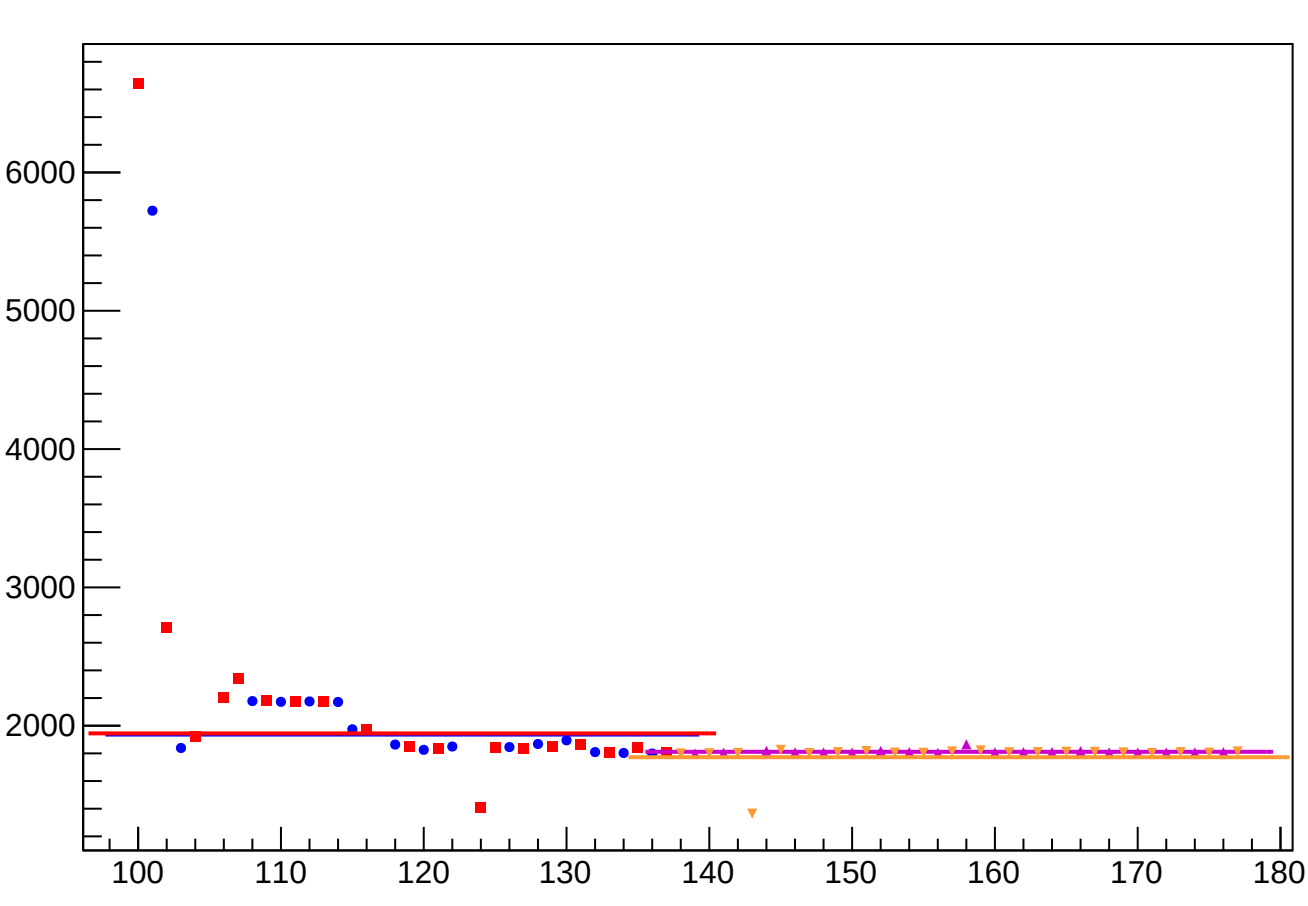
Left: -463.003+/-315.859 χ^2/NDF: 44.1/39

Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -321.387+/-389.740 χ^2/NDF:42.5/34

Out: -545.523+/-372.957 χ^2/NDF:34.3/39

All: -438.384+/-269.459 χ^2/NDF: 76.9/74



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1772.162+/-0.308 χ^2/NDF:159594.2/20

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

Left In: 1811.369+/-0.325 χ^2/NDF:1800.9/18

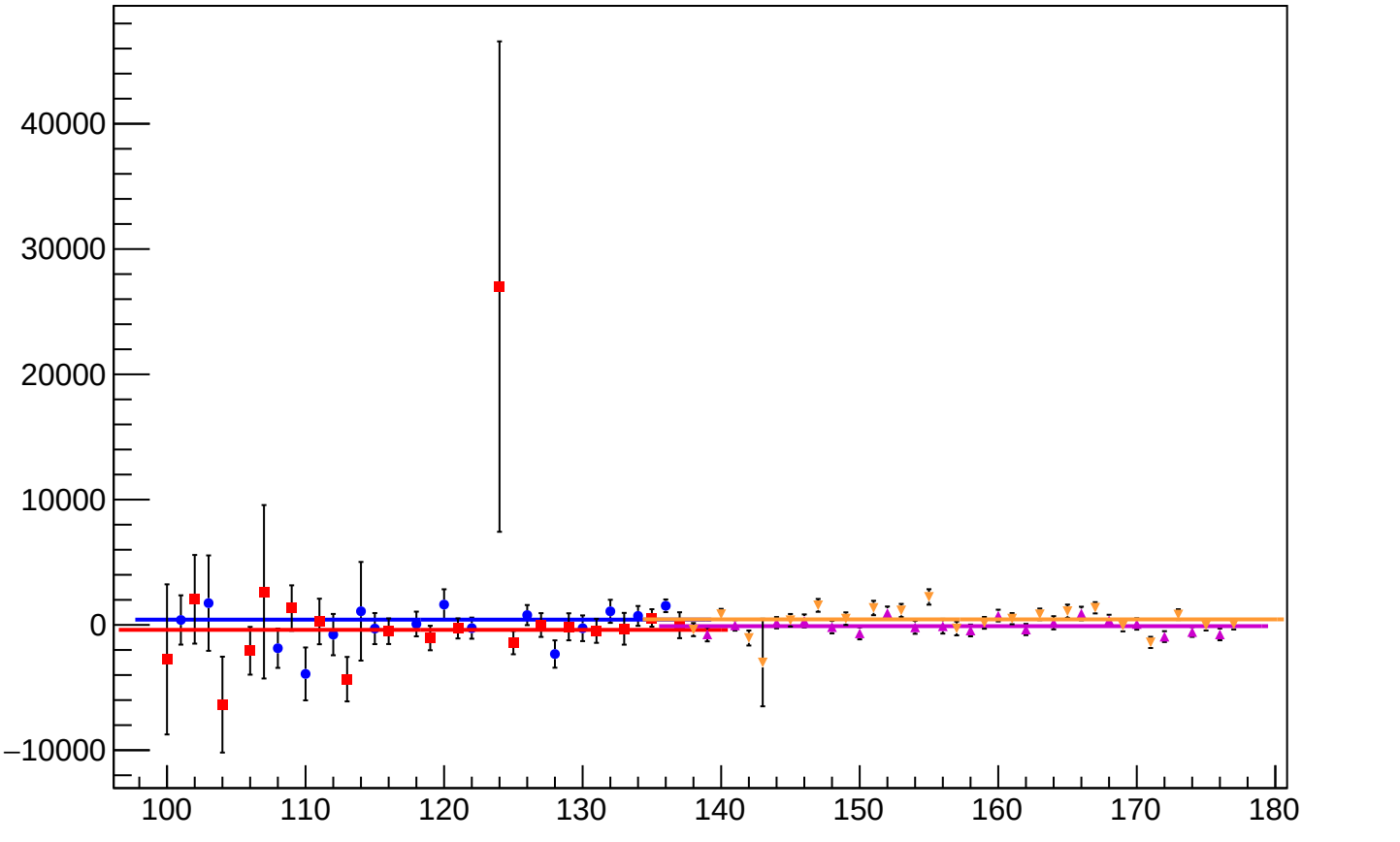
Left: 1790.690+/-0.223 χ^2/NDF: 169075.7/39

Right: 1940.298+/-0.365 χ^2/NDF: 916167.5/34

In: 1846.320+/-0.276 χ^2/NDF:682867.2/34

Out: 1817.770+/-0.264 χ^2/NDF:518919.3/39

All: 1831.417+/-0.191 χ^2/NDF: 1207389.0/74



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 441.995+/-107.937 χ^2/NDF:57.8/20

Right Out: -393.591+/-279.562 χ^2/NDF: 15.9/18

Left In: -98.811+/-109.667 χ^2/NDF:23.9/18

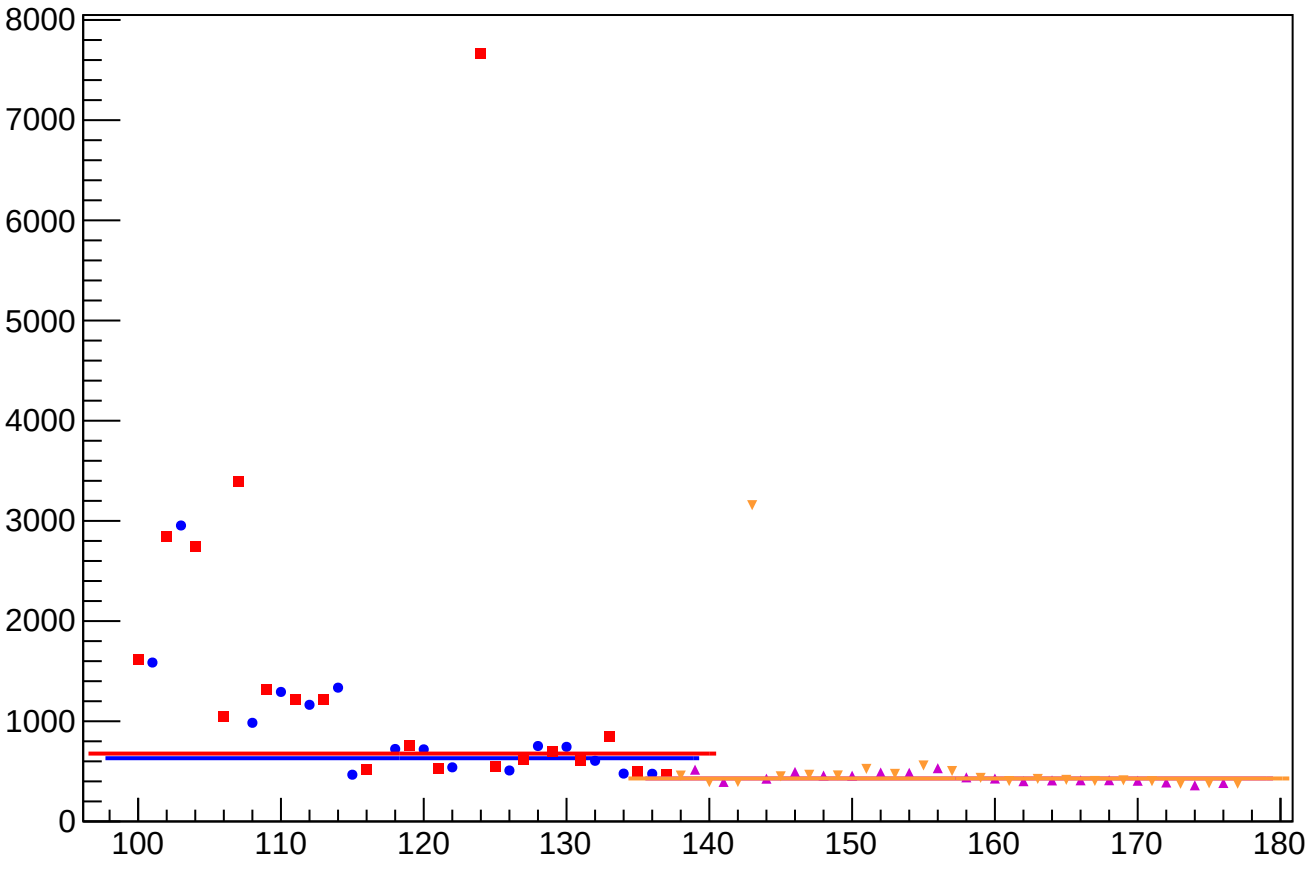
Left: 175.890+/-76.927 χ^2/NDF: 94.1/39

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: -18.585+/-100.852 χ^2/NDF:48.8/34

Out: 333.594+/-100.693 χ^2/NDF:81.5/39

All: 157.783+/-71.257 χ^2/NDF: 136.4/74



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 429.099+/-0.076 χ^2/NDF:1579393.1/20

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

Left In: 429.134+/-0.078 χ^2/NDF:334234.3/18

Left: 429.116+/-0.054 χ^2/NDF: 1913627.5/39

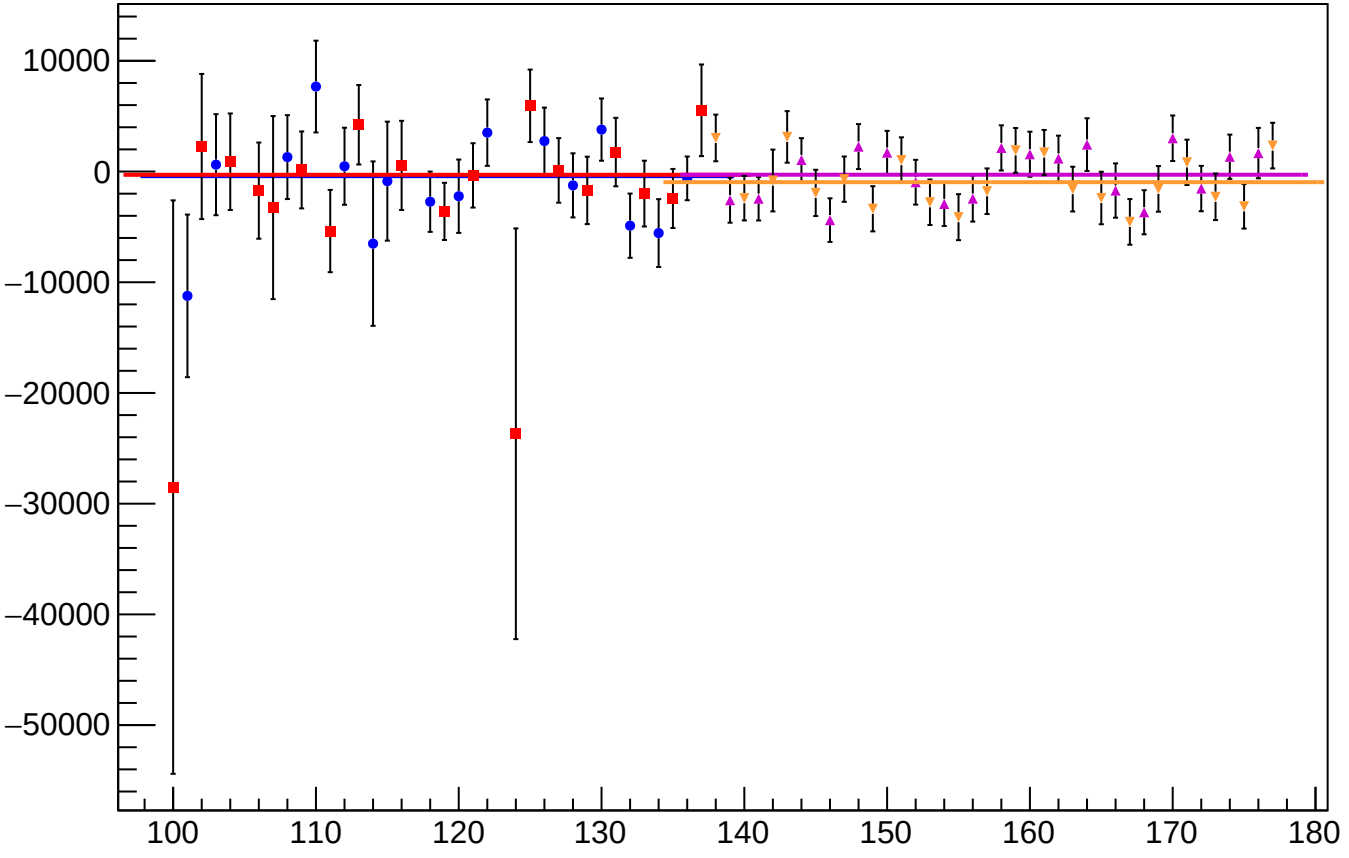
Right: 652.323+/-0.134 χ^2/NDF: 5345804.8/34

In: 460.303+/-0.071 χ^2/NDF:3615735.8/34

Out: 461.316+/-0.071 χ^2/NDF:6034416.6/39

All: 460.810+/-0.050 χ^2/NDF: 9650253.6/74

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: -959.271+/-458.291 χ^2/NDF:25.2/20

Right Out: -294.527+/-831.610 χ^2/NDF: 15.6/18

Left In: -288.458+/-472.715 χ^2/NDF:24.4/18

Left: -634.255+/-329.042 χ^2/NDF: 50.7/39

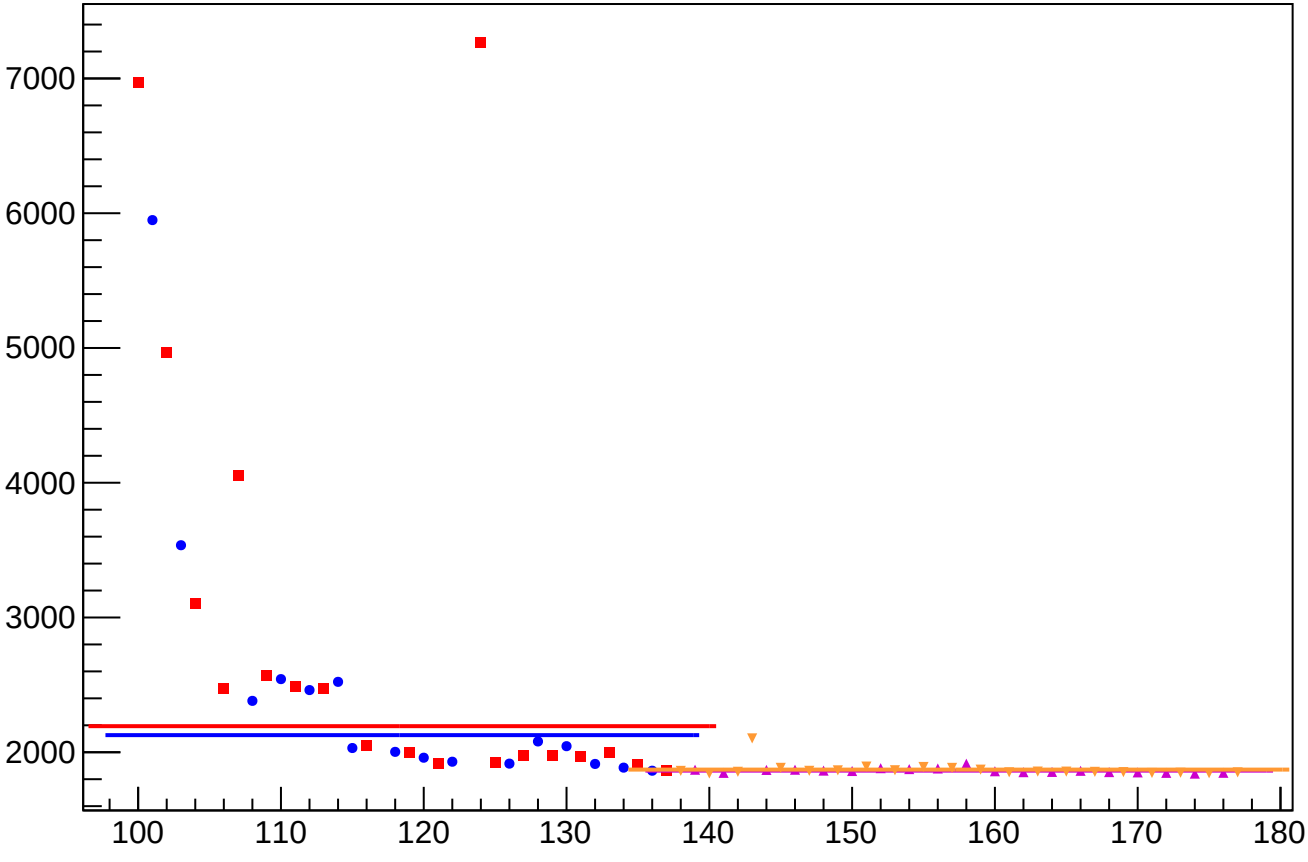
Right: -357.308+/-582.210 χ^2/NDF: 34.0/34

In: -320.960+/-408.957 χ^2/NDF:42.8/34

Out: -804.418+/-401.377 χ^2/NDF:41.4/39

All: -567.211+/-286.459 χ^2/NDF: 84.9/74

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1871.240+/-0.324 χ^2/NDF:22742.8/20

Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1863.542+/-0.334 χ^2/NDF:2539.5/18

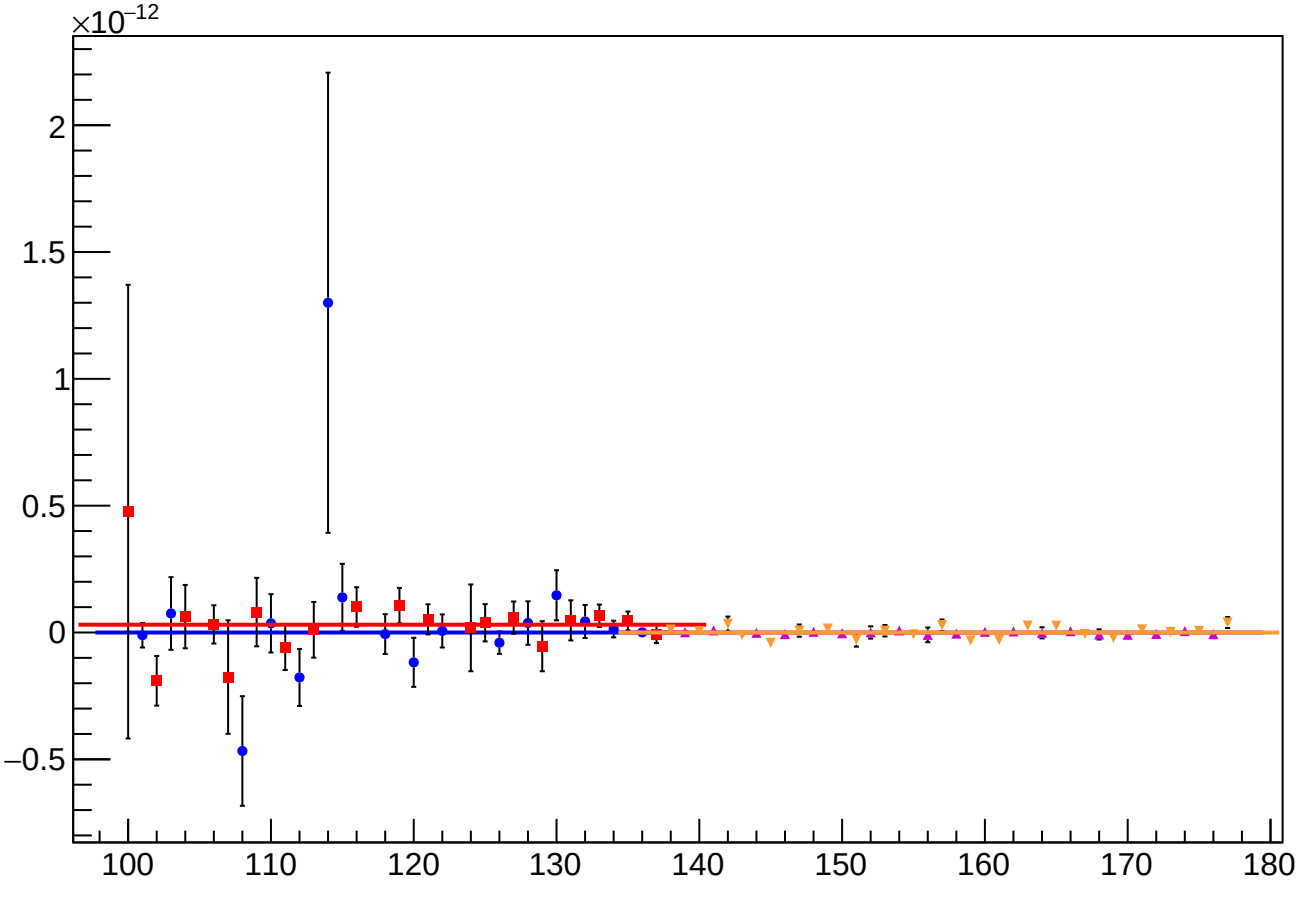
Left: 1867.510+/-0.233 χ^2/NDF: 25555.8/39

Right: 2159.645+/-0.412 χ^2/NDF: 1824183.5/34

In: 1929.828+/-0.289 χ^2/NDF:1033945.7/34

Out: 1946.326+/-0.284 χ^2/NDF:1195780.2/39

All: 1938.231+/-0.203 χ^2/NDF: 2231383.7/74



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.7/20

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: -0.000+/-0.000 χ^2/NDF:2.6/18

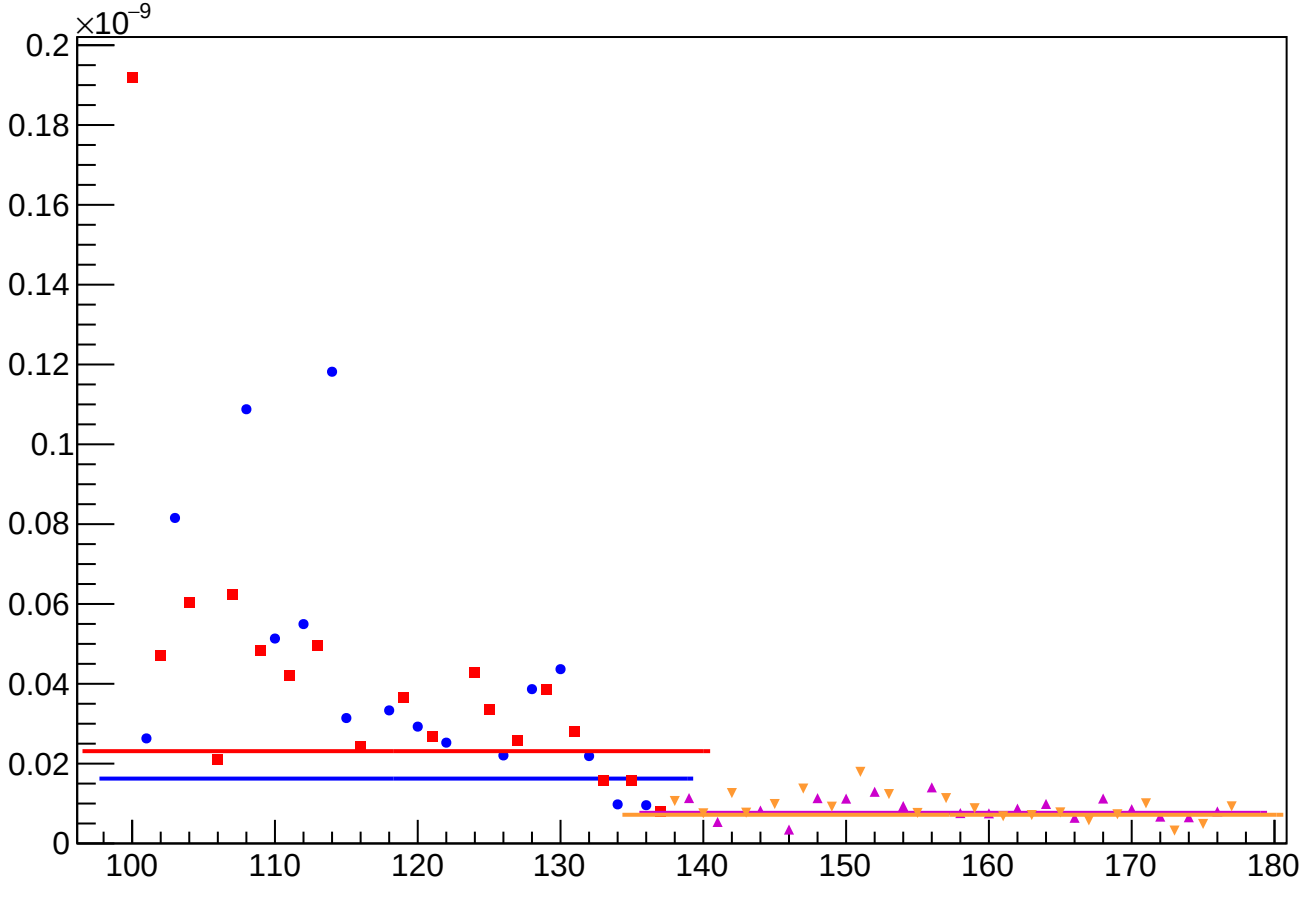
Left: -0.000+/-0.000 χ^2/NDF: 37.3/39

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:18.7/34

Out: 0.000+/-0.000 χ^2/NDF:50.8/39

All: 0.000+/-0.000 χ^2/NDF: 69.5/74



Right In: 0.000+/-0.000 χ^2/NDF: 2286703.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1590011.5/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1013269.3/18

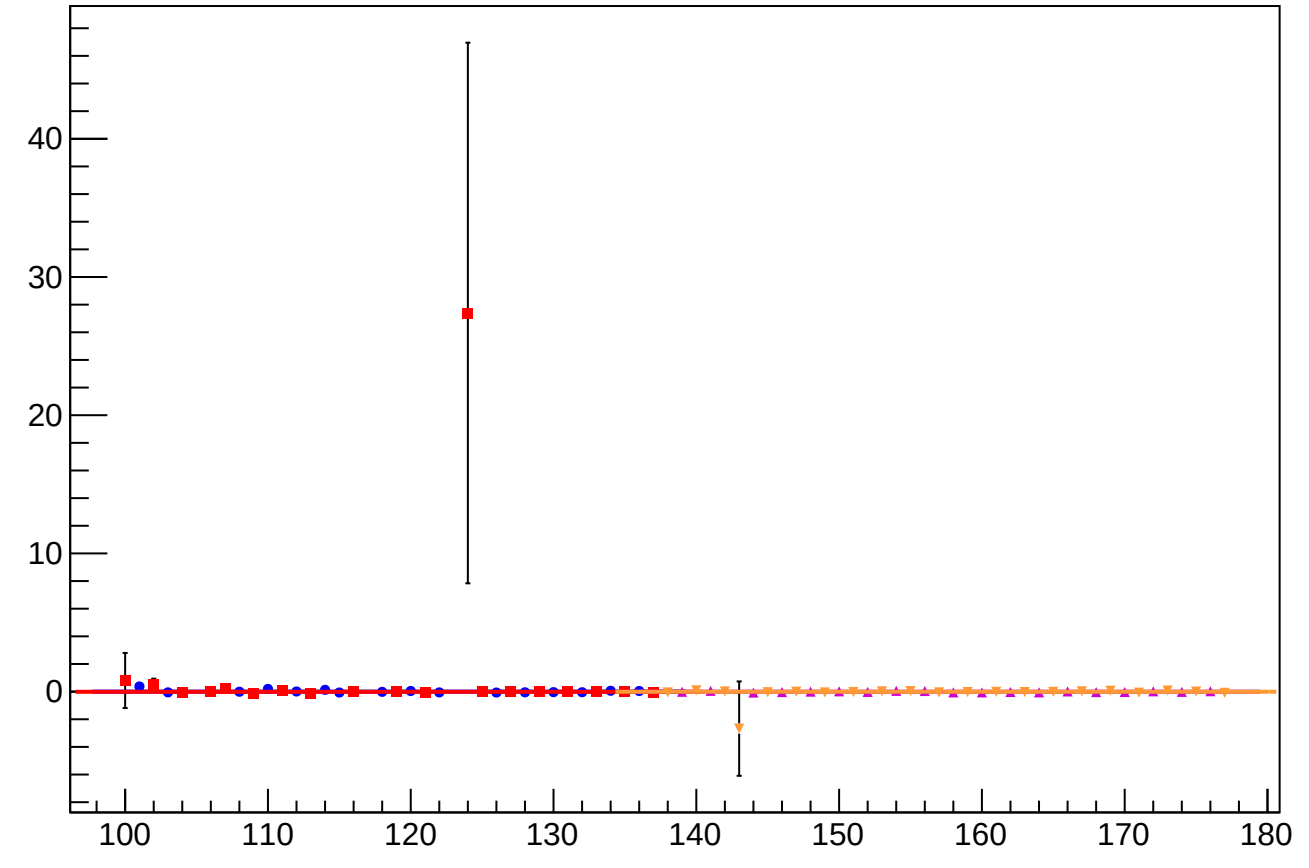
Left: 0.000+/-0.000 χ^2/NDF: 2623884.0/39

Right: 0.000+/-0.000 χ^2/NDF: 3942397.7/34

In: 0.000+/-0.000 χ^2/NDF:4262079.8/34

Out: 0.000+/-0.000 χ^2/NDF:4976229.2/39

All: 0.000+/-0.000 χ^2/NDF: 9266675.4/74



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.007+/-0.009 χ^2/NDF:35.2/20

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.006+/-0.009 χ^2/NDF:18.5/18

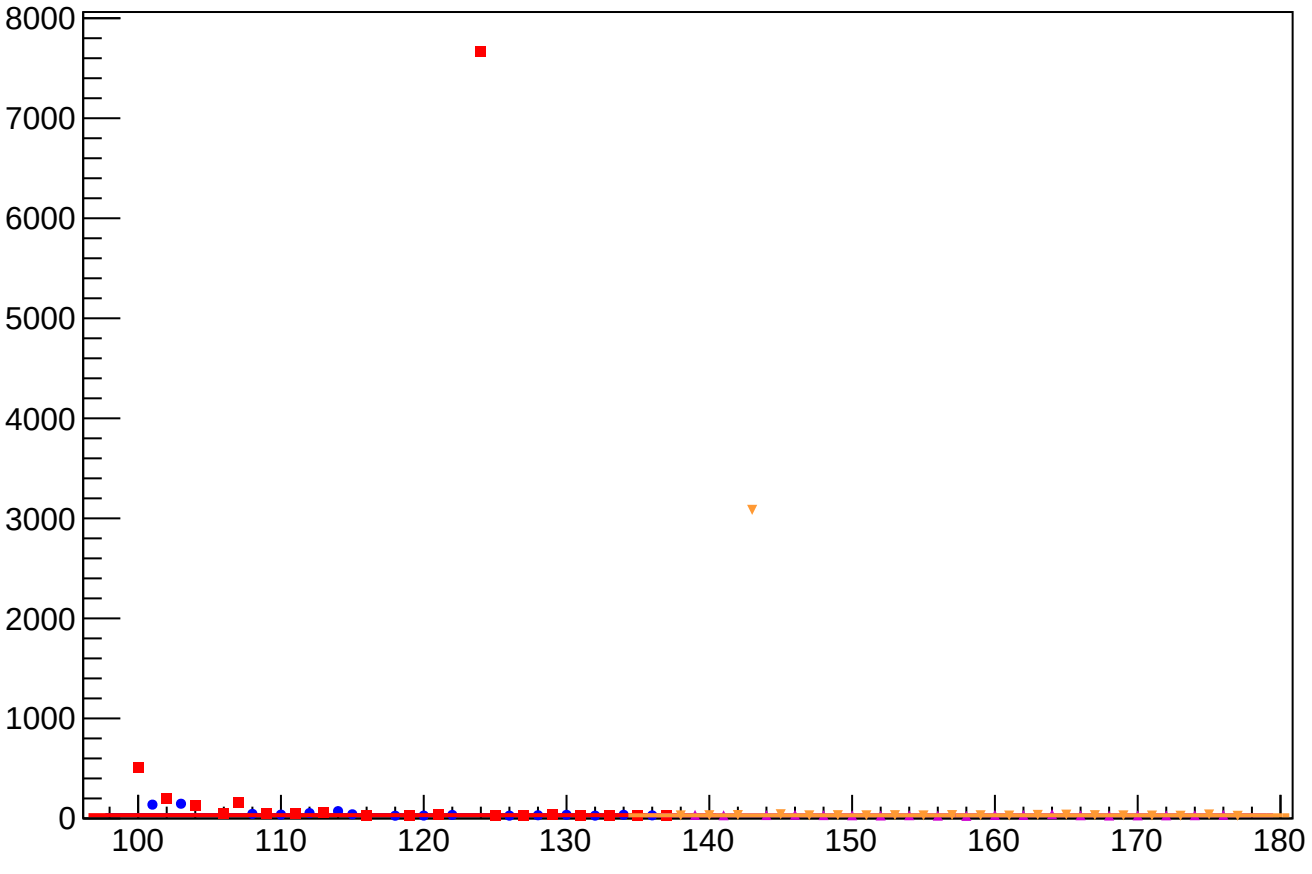
Left: -0.007+/-0.006 χ^2/NDF: 53.7/39

Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.004+/-0.008 χ^2/NDF:39.7/34

Out: -0.008+/-0.008 χ^2/NDF:49.5/39

All: -0.006+/-0.005 χ^2/NDF: 89.4/74



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 31.793+/-0.006 χ^2/NDF:1915612.3/20

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.401+/-0.006 χ^2/NDF:282766.4/18

Left: 32.090+/-0.004 χ^2/NDF: 2203098.3/39

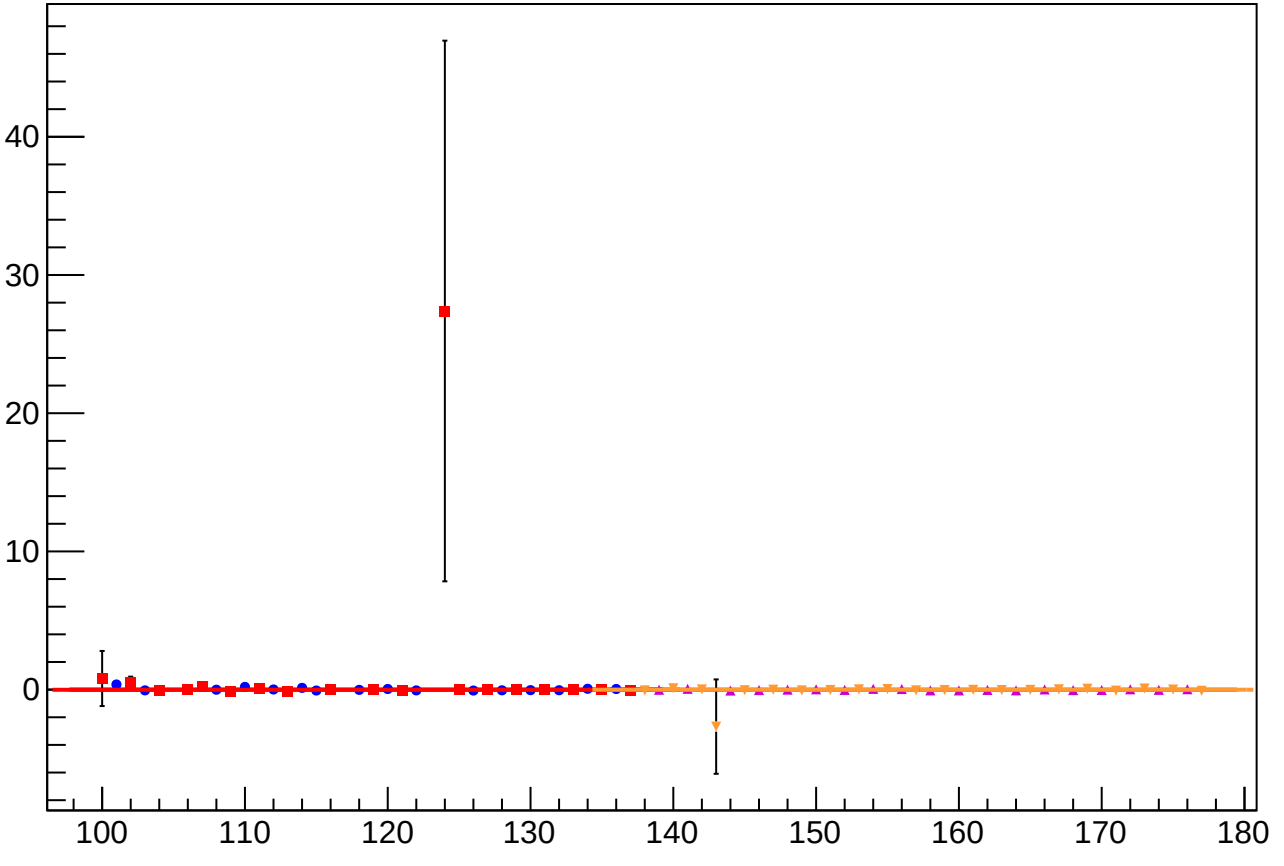
Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 32.847+/-0.005 χ^2/NDF:2018389.8/34

Out: 32.125+/-0.005 χ^2/NDF:4001937.9/39

All: 32.480+/-0.004 χ^2/NDF: 6029367.2/74

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: -0.007+/-0.009 χ^2/NDF:35.2/20

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.006+/-0.009 χ^2/NDF:18.5/18

Left: -0.007+/-0.006 χ^2/NDF: 53.7/39

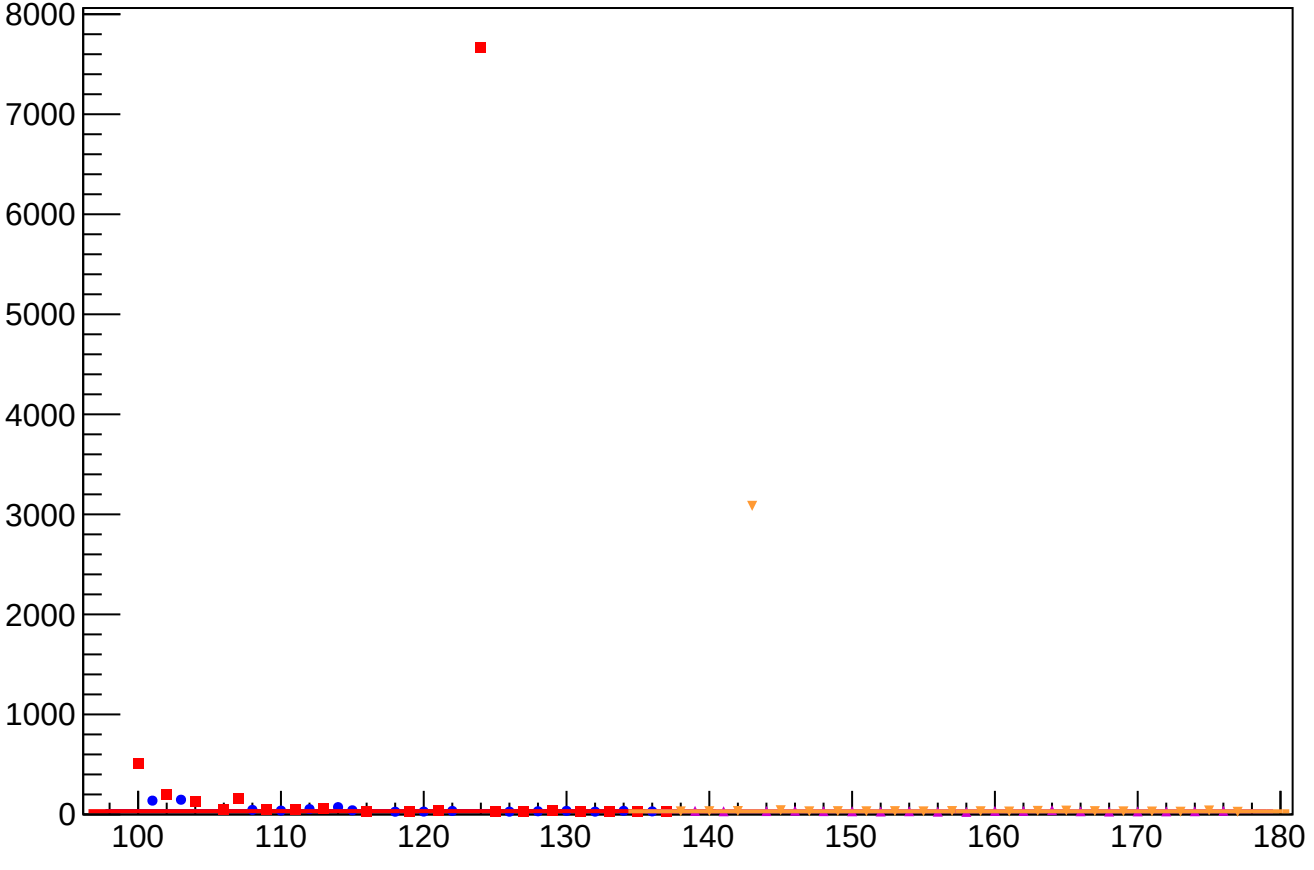
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.004+/-0.008 χ^2/NDF:39.7/34

Out: -0.008+/-0.008 χ^2/NDF:49.5/39

All: -0.006+/-0.005 χ^2/NDF: 89.4/74

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: 31.793+/-0.006 χ^2/NDF:1915612.3/20

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.401+/-0.006 χ^2/NDF:282766.4/18

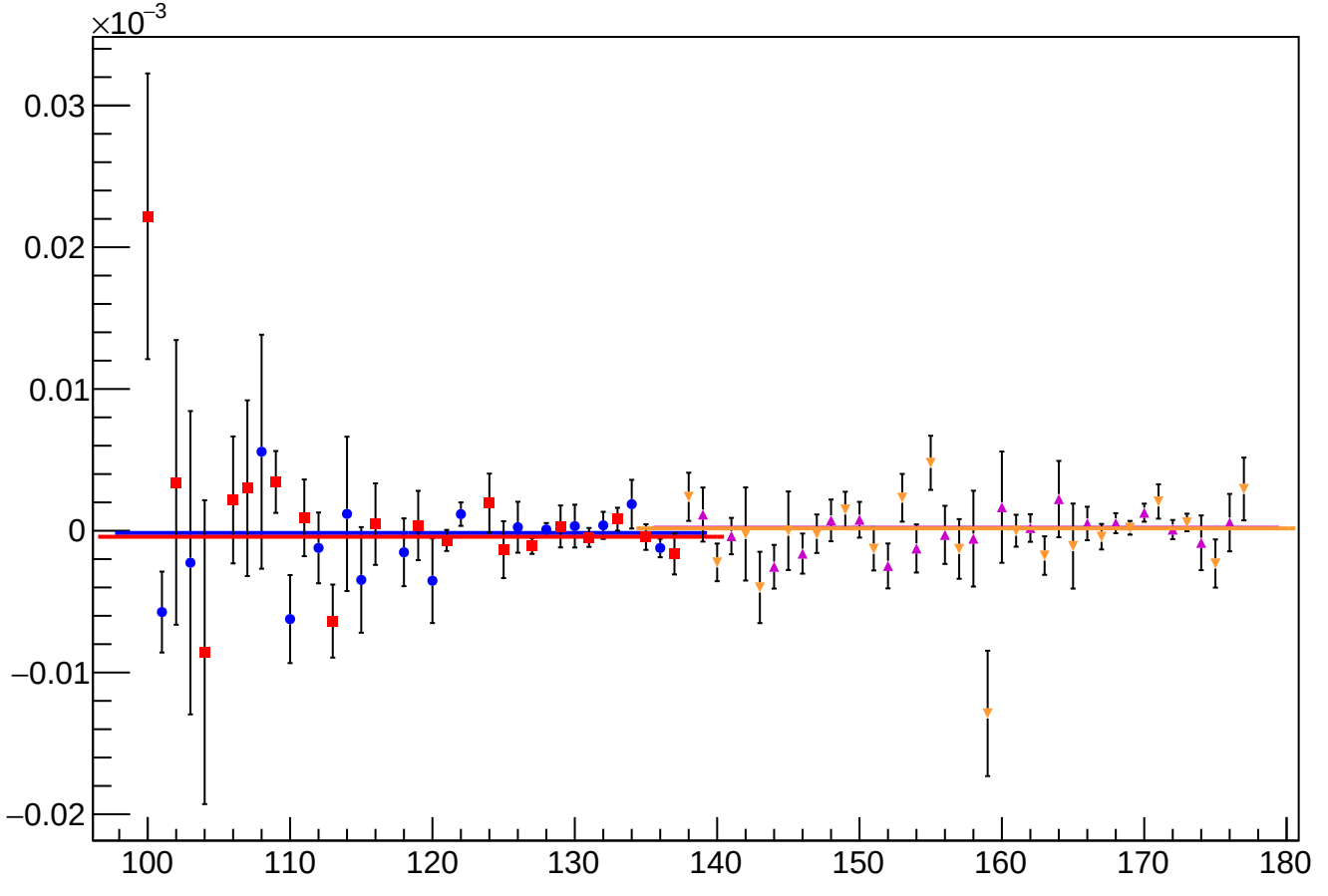
Left: 32.090+/-0.004 χ^2/NDF: 2203098.3/39

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 32.847+/-0.005 χ^2/NDF:2018389.8/34

Out: 32.125+/-0.005 χ^2/NDF:4001937.9/39

All: 32.480+/-0.004 χ^2/NDF: 6029367.2/74



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.8/20

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:13.5/18

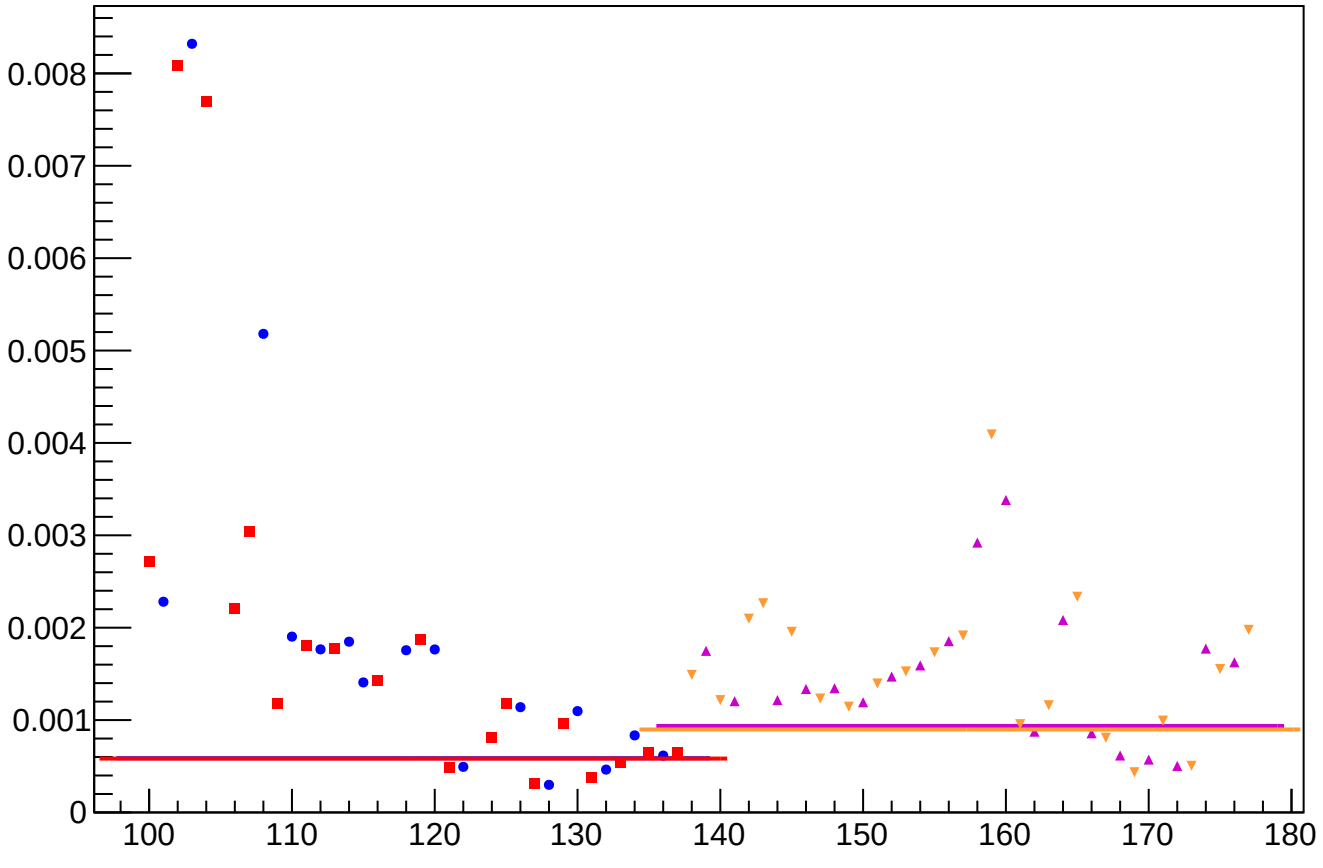
Left: 0.000+/-0.000 χ^2/NDF: 49.3/39

Right: -0.000+/-0.000 χ^2/NDF: 40.2/34

In: 0.000+/-0.000 χ^2/NDF:32.5/34

Out: -0.000+/-0.000 χ^2/NDF:59.7/39

All: -0.000+/-0.000 χ^2/NDF: 92.4/74



Right In: 0.001+/-0.000 χ^2/NDF: 5485949.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:8061805.5/20

Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.001+/-0.000 χ^2/NDF:6176239.5/18

Left: 0.001+/-0.000 χ^2/NDF: 14257778.5/39

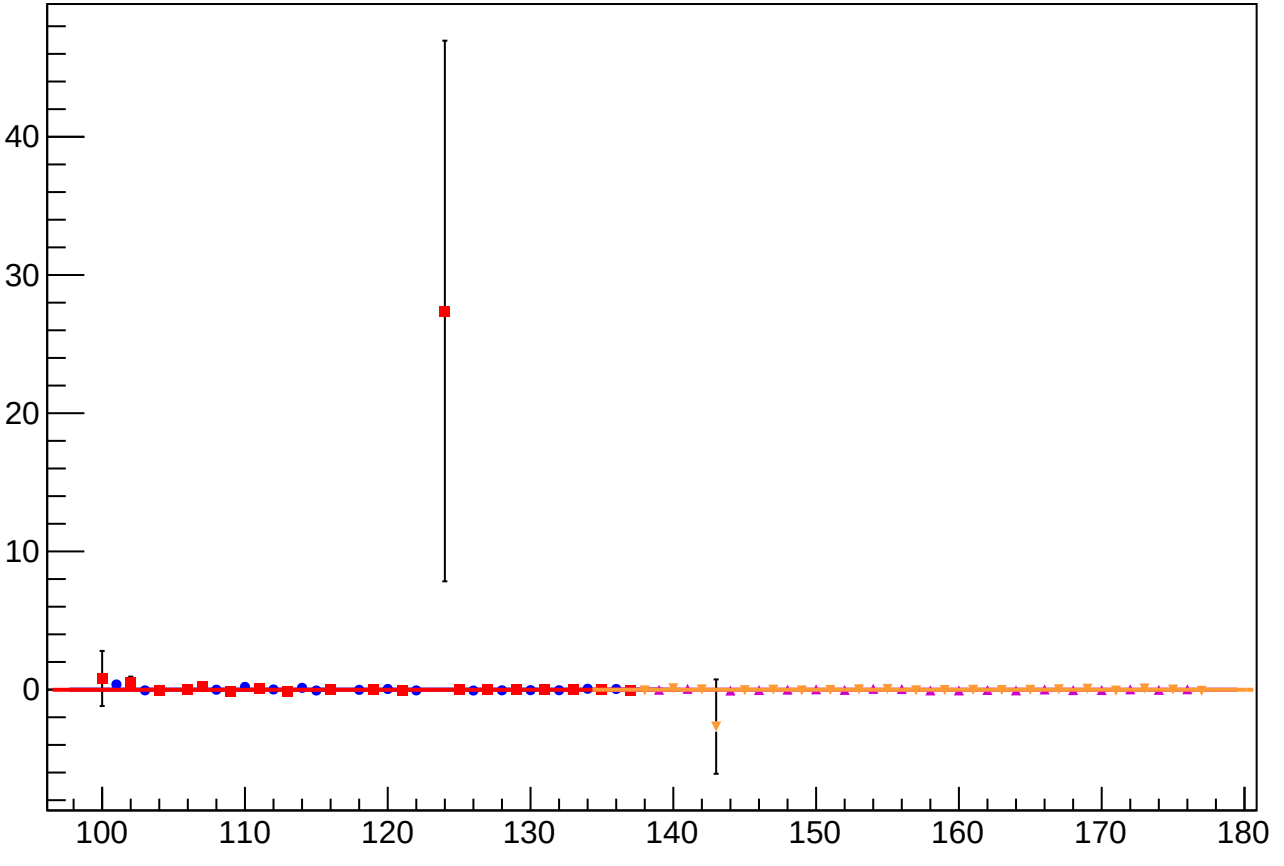
Right: 0.001+/-0.000 χ^2/NDF: 10917885.2/34

In: 0.001+/-0.000 χ^2/NDF:13162751.7/34

Out: 0.001+/-0.000 χ^2/NDF:14818635.3/39

All: 0.001+/-0.000 χ^2/NDF: 27989781.2/74

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.007+/-0.009 χ^2/NDF:35.2/20

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.006+/-0.009 χ^2/NDF:18.5/18

Left: -0.007+/-0.006 χ^2/NDF: 53.7/39

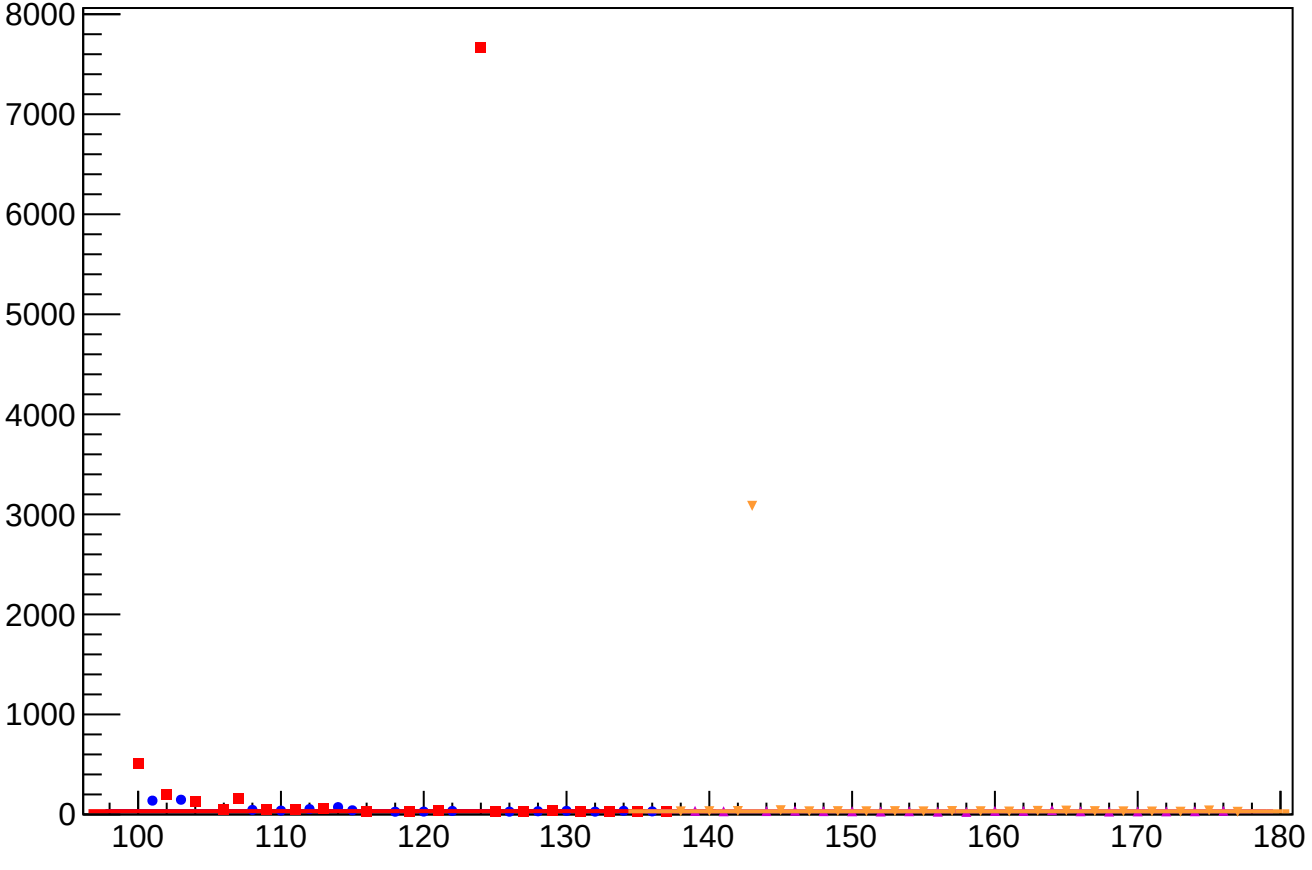
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.004+/-0.008 χ^2/NDF:39.7/34

Out: -0.008+/-0.008 χ^2/NDF:49.5/39

All: -0.006+/-0.005 χ^2/NDF: 89.4/74

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: 31.793+/-0.006 χ^2/NDF:1915642.4/20

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.402+/-0.006 χ^2/NDF:282686.2/18

Left: 32.090+/-0.004 χ^2/NDF: 2203053.6/39

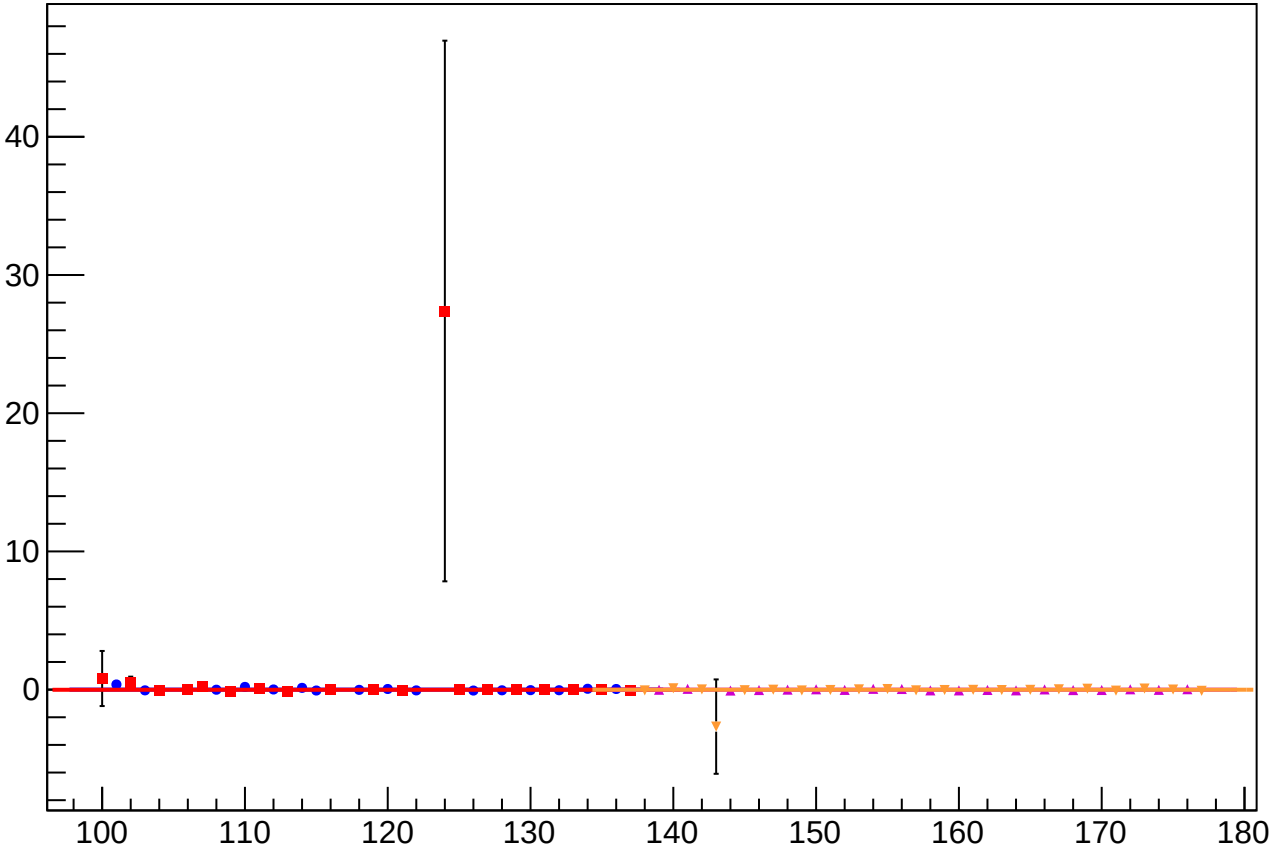
Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 32.847+/-0.005 χ^2/NDF:2018293.8/34

Out: 32.125+/-0.005 χ^2/NDF:4001949.9/39

All: 32.480+/-0.004 χ^2/NDF: 6029290.4/74

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: -0.007+/-0.009 χ^2/NDF:35.2/20

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.006+/-0.009 χ^2/NDF:18.5/18

Left: -0.007+/-0.006 χ^2/NDF: 53.7/39

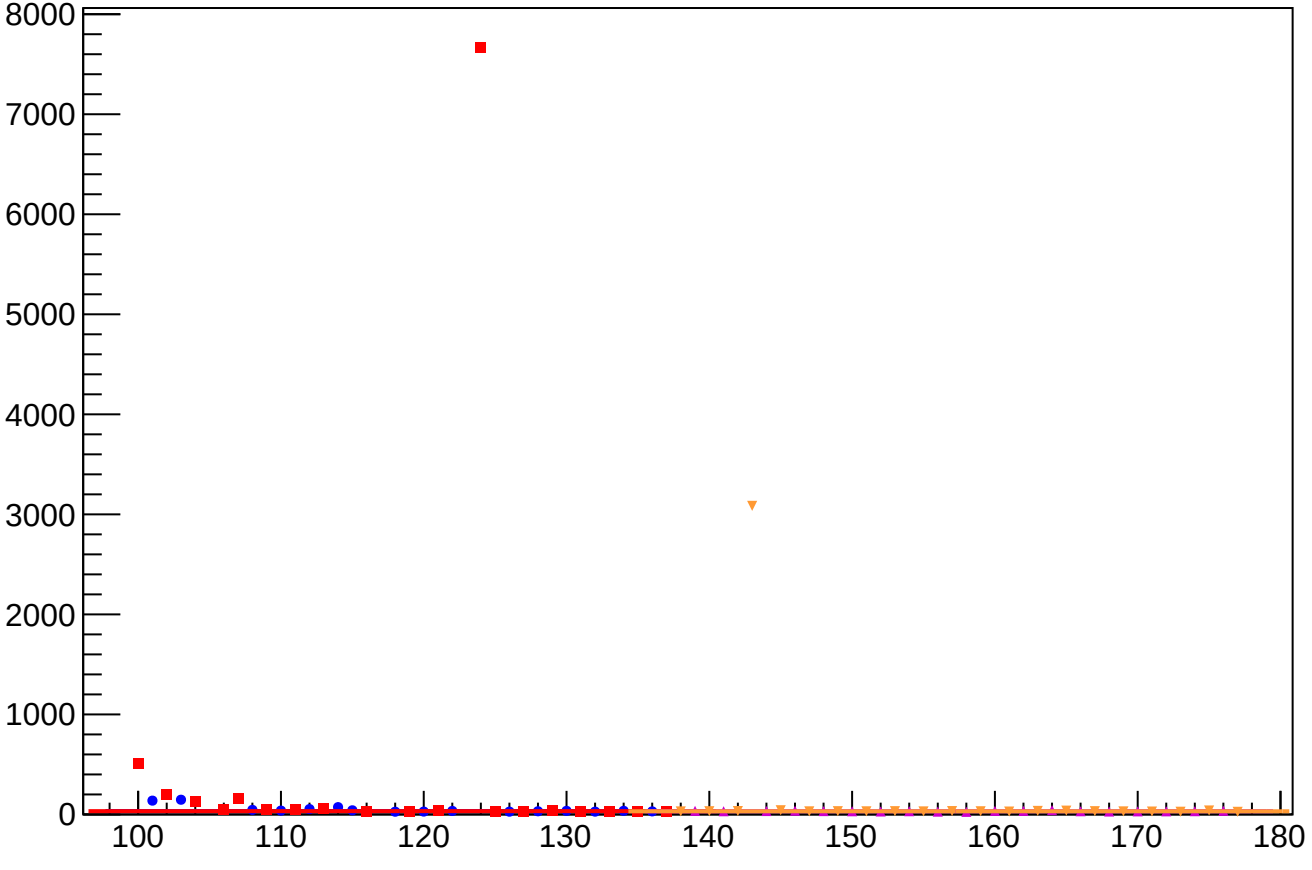
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.004+/-0.008 χ^2/NDF:39.7/34

Out: -0.008+/-0.008 χ^2/NDF:49.5/39

All: -0.006+/-0.005 χ^2/NDF: 89.4/74

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: 31.793+/-0.006 χ^2/NDF:1915642.4/20

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.402+/-0.006 χ^2/NDF:282686.2/18

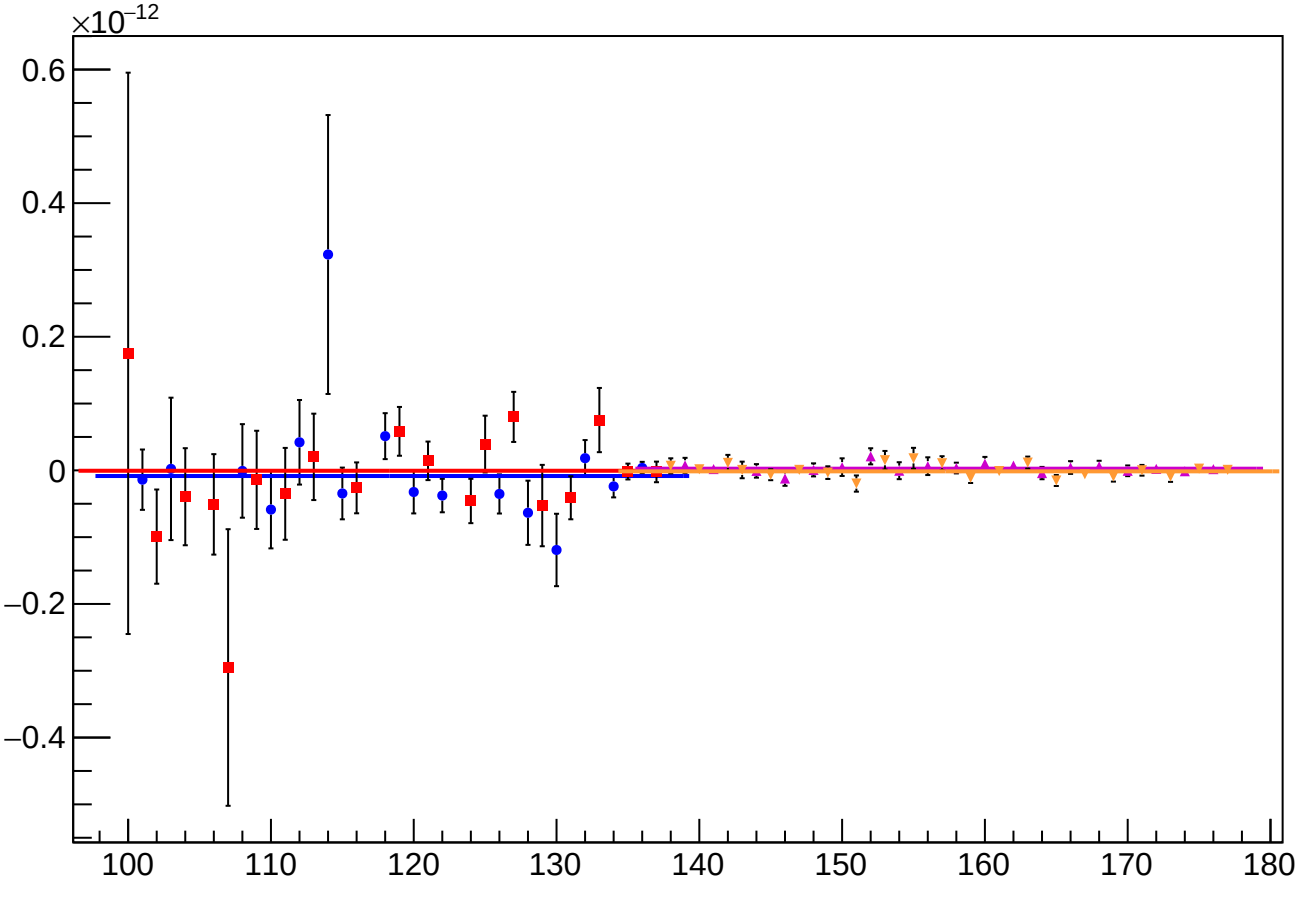
Left: 32.090+/-0.004 χ^2/NDF: 2203053.6/39

Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 32.847+/-0.005 χ^2/NDF:2018293.8/34

Out: 32.125+/-0.005 χ^2/NDF:4001949.9/39

All: 32.480+/-0.004 χ^2/NDF: 6029290.4/74



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/15

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

Right Out: -0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: 0.000+/-0.000 χ^2/NDF:6.9/18

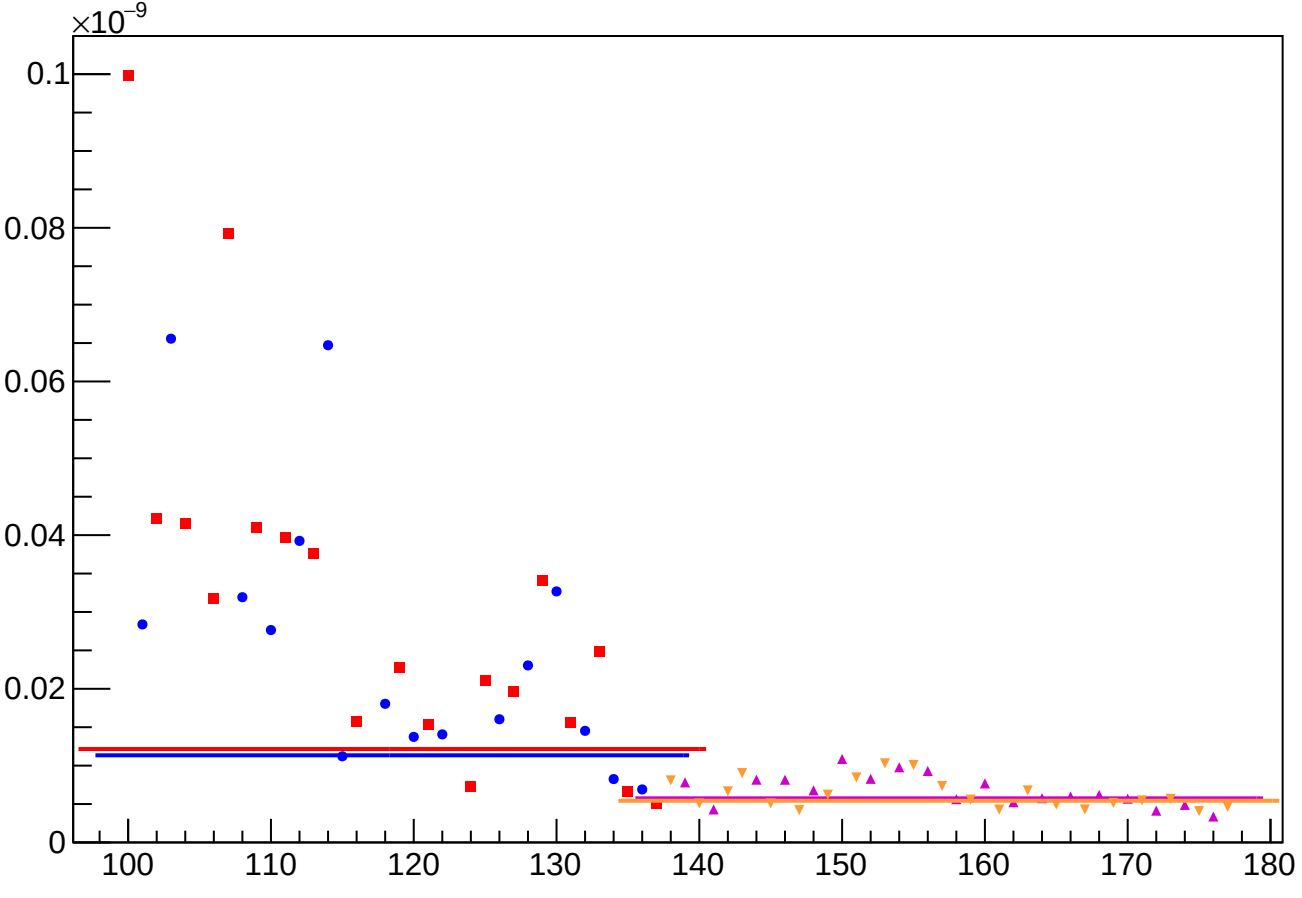
Left: 0.000+/-0.000 χ^2/NDF: 27.5/39

Right: -0.000+/-0.000 χ^2/NDF: 40.7/34

In: 0.000+/-0.000 χ^2/NDF:28.8/34

Out: -0.000+/-0.000 χ^2/NDF:39.2/39

All: -0.000+/-0.000 χ^2/NDF: 69.4/74



Right In: 0.000+/-0.000 χ^2/NDF: 2813598.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1321749.7/20

Right Out: 0.000+/-0.000 χ^2/NDF: 3757412.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1786181.1/18

Left: 0.000+/-0.000 χ^2/NDF: 3135863.0/39

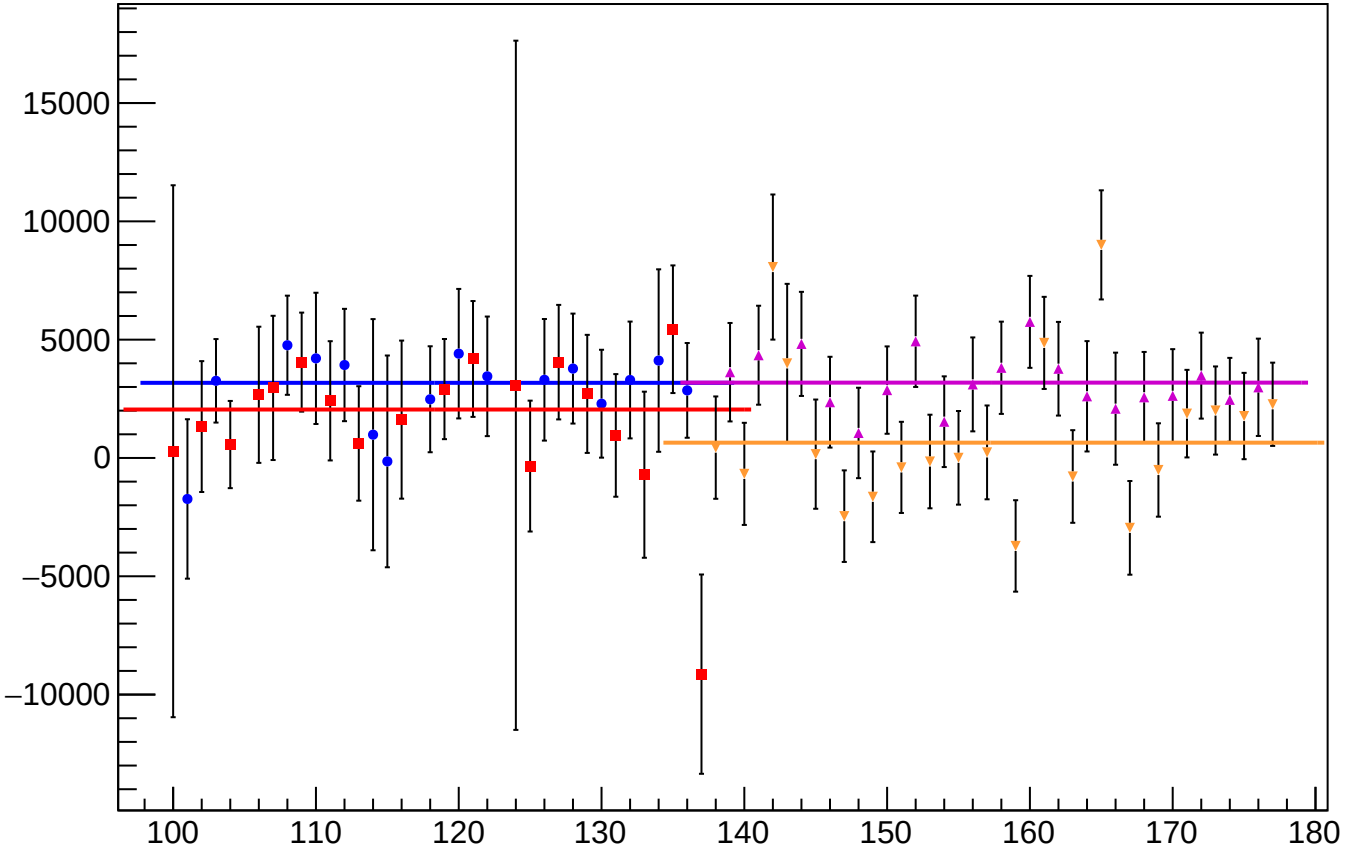
Right: 0.000+/-0.000 χ^2/NDF: 6585389.8/34

In: 0.000+/-0.000 χ^2/NDF:6003918.2/34

Out: 0.000+/-0.000 χ^2/NDF:6703793.5/39

All: 0.000+/-0.000 χ^2/NDF: 12755017.6/74

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 646.362+/-443.596 χ^2/NDF:41.2/20

Right Out: 2047.403+/-621.498 χ^2/NDF: 14.0/18

Left In: 3183.489+/-454.931 χ^2/NDF:6.5/18

Left: 1882.926+/-317.602 χ^2/NDF: 63.7/39

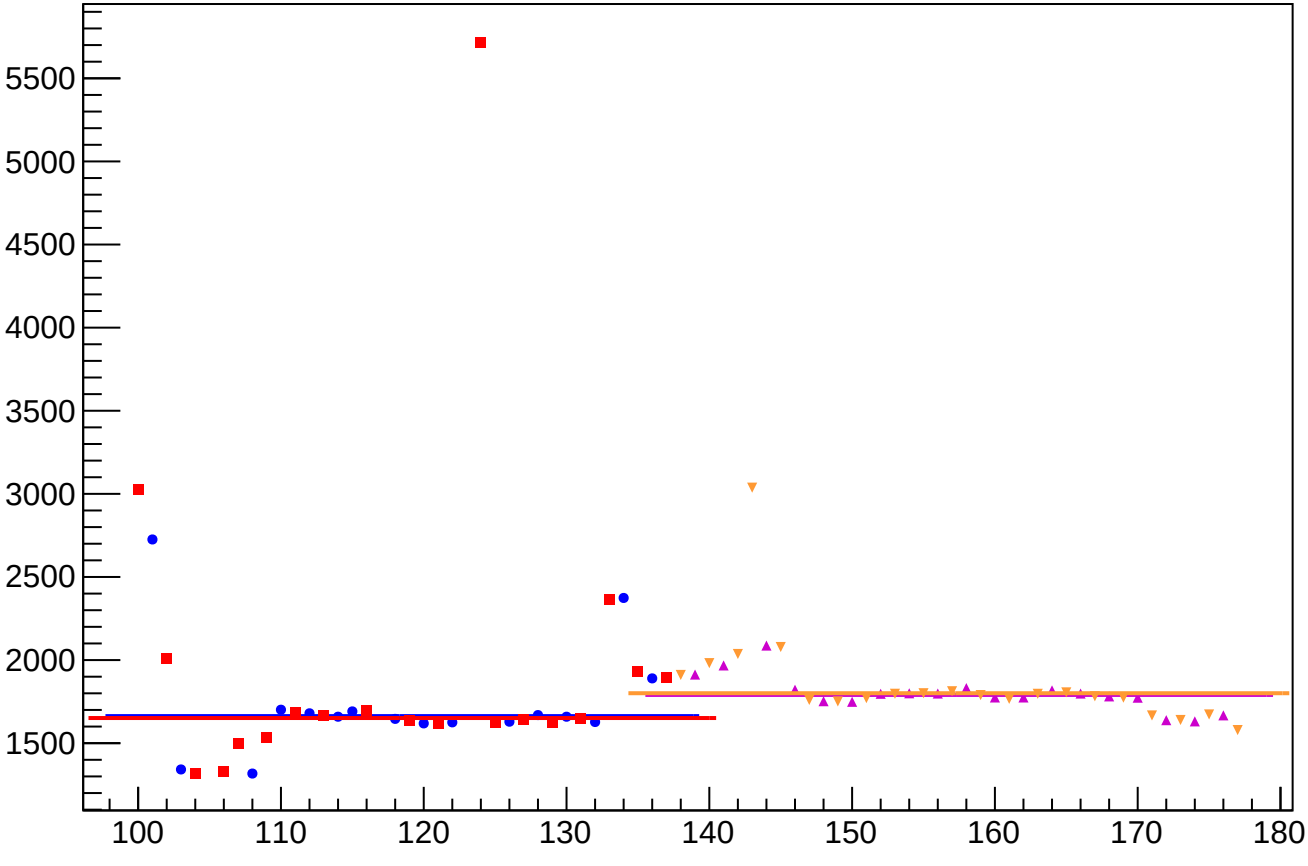
Right: 2605.638+/-441.744 χ^2/NDF: 20.0/34

In: 3180.773+/-368.418 χ^2/NDF:10.8/34

Out: 1119.220+/-361.060 χ^2/NDF:58.6/39

All: 2129.205+/-257.870 χ^2/NDF: 85.4/74

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 1800.593+/-0.314 χ^2/NDF:401653.2/20

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

Left In: 1790.352+/-0.322 χ^2/NDF:99037.9/18

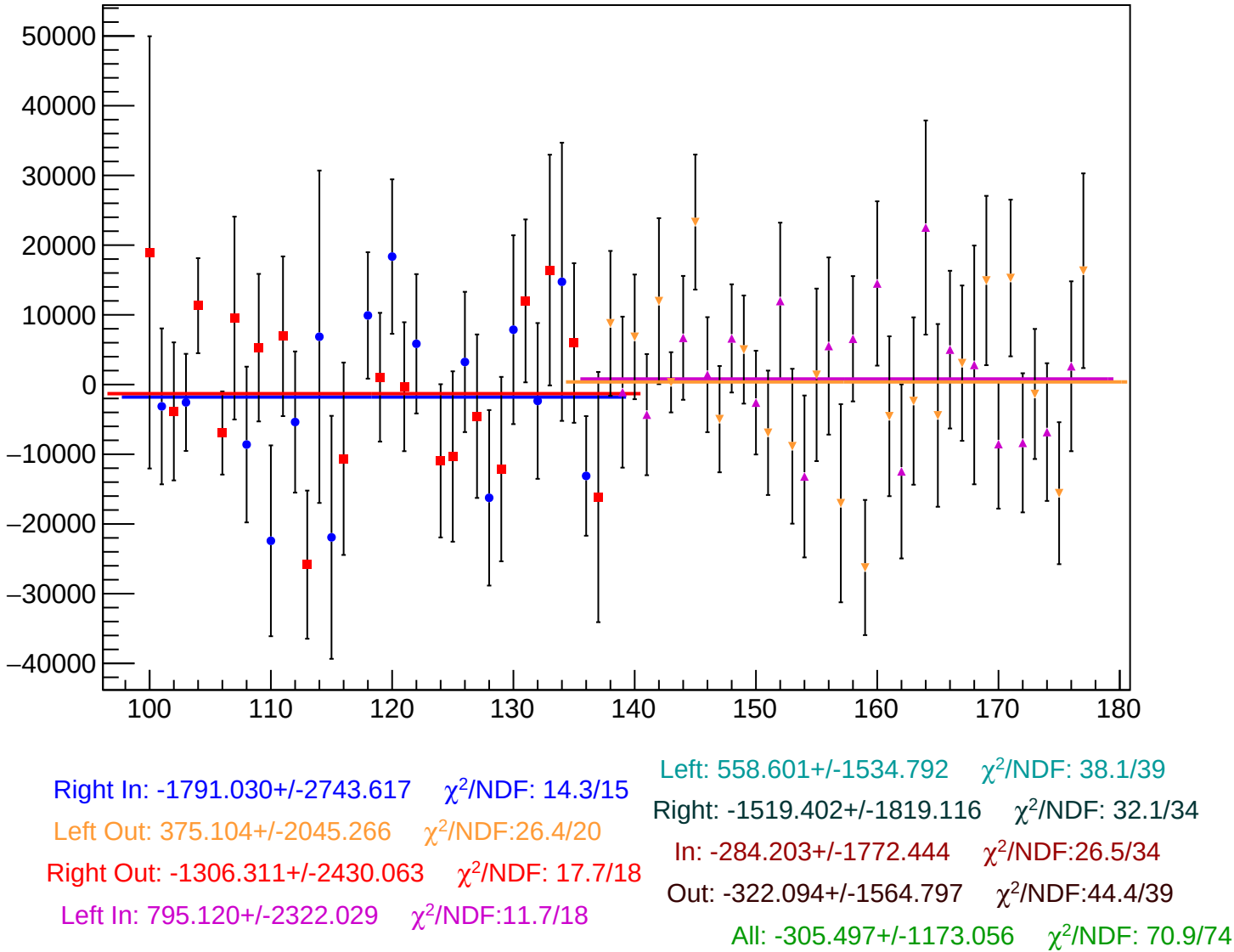
Left: 1795.602+/-0.225 χ^2/NDF: 501210.6/39

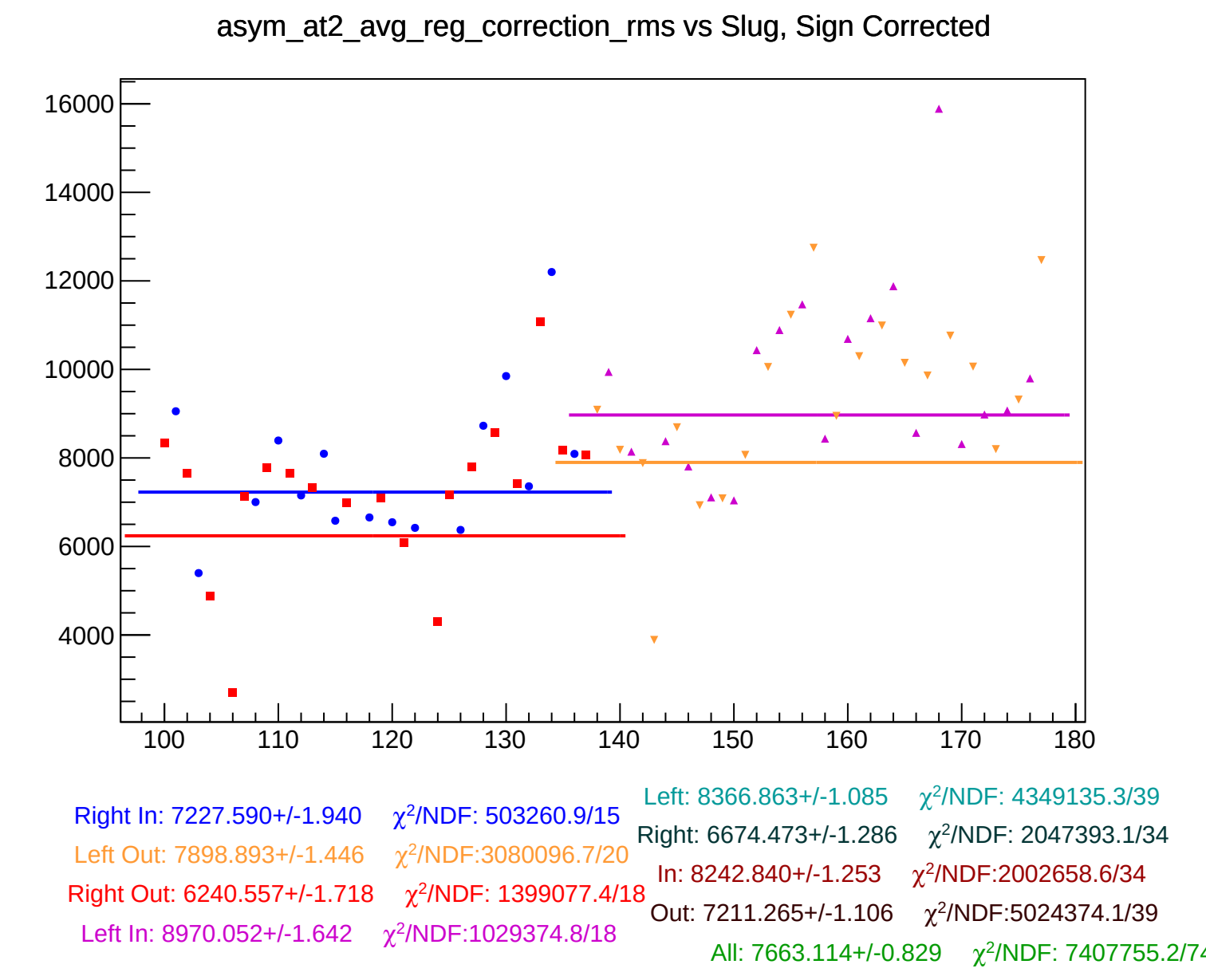
Right: 1657.052+/-0.312 χ^2/NDF: 847939.4/34

In: 1746.488+/-0.261 χ^2/NDF:568694.3/34

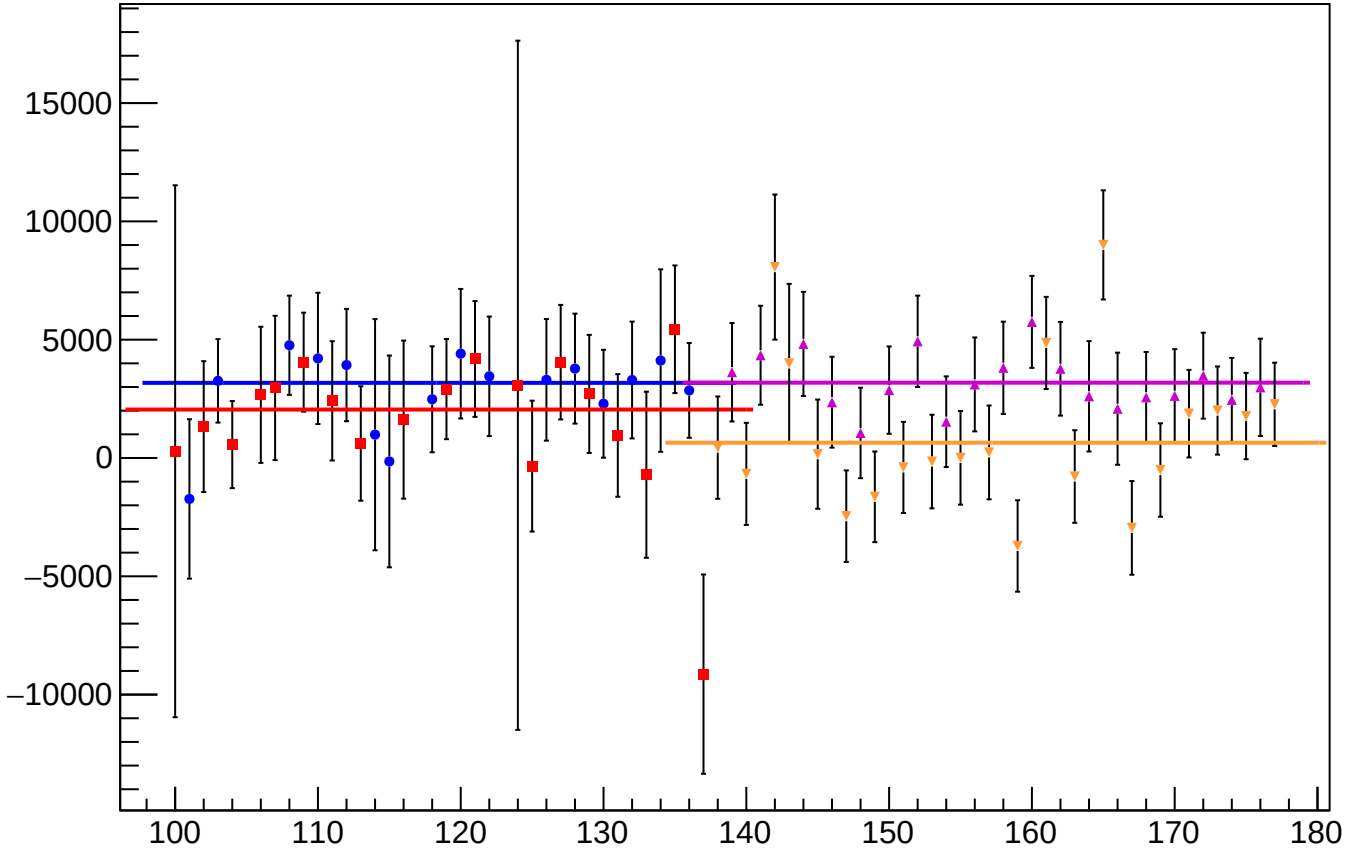
Out: 1750.213+/-0.255 χ^2/NDF:910051.8/39

All: 1748.388+/-0.182 χ^2/NDF: 1478850.4/74


asym_at2_avg_reg_correction_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
Right In: -1791.030+/-2743.617 χ²/NDF: 14.3/15
Left Out: 375.104+/-2045.266 χ²/NDF:26.4/20
Right Out: -1306.311+/-2430.063 χ²/NDF: 17.7/18
Left In: 795.120+/-2322.029 χ²/NDF:11.7/18
Left: 558.601+/-1534.792 χ²/NDF: 38.1/39
Right: -1519.402+/-1819.116 χ²/NDF: 32.1/34
In: -284.203+/-1772.444 χ²/NDF:26.5/34
Out: -322.094+/-1564.797 χ²/NDF:44.4/39
All: -305.497+/-1173.056 χ²/NDF: 70.9/74


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: 7898.893+/-1.446 χ²/NDF:3080096.7/20
Right Out: 6240.557+/-1.718 χ²/NDF: 1399077.4/18
Left In: 8970.052+/-1.642 χ²/NDF:1029374.8/18
Left: 8366.863+/-1.085 χ²/NDF: 4349135.3/39
Right: 6674.473+/-1.286 χ²/NDF: 2047393.1/34
In: 8242.840+/-1.253 χ²/NDF:2002658.6/34
Out: 7211.265+/-1.106 χ²/NDF:5024374.1/39
All: 7663.114+/-0.829 χ²/NDF: 7407755.2/74

cor_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 646.276+/-443.596 χ^2/NDF:41.2/20

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3183.445+/-454.931 χ^2/NDF:6.5/18

Left: 1882.860+/-317.602 χ^2/NDF: 63.7/39

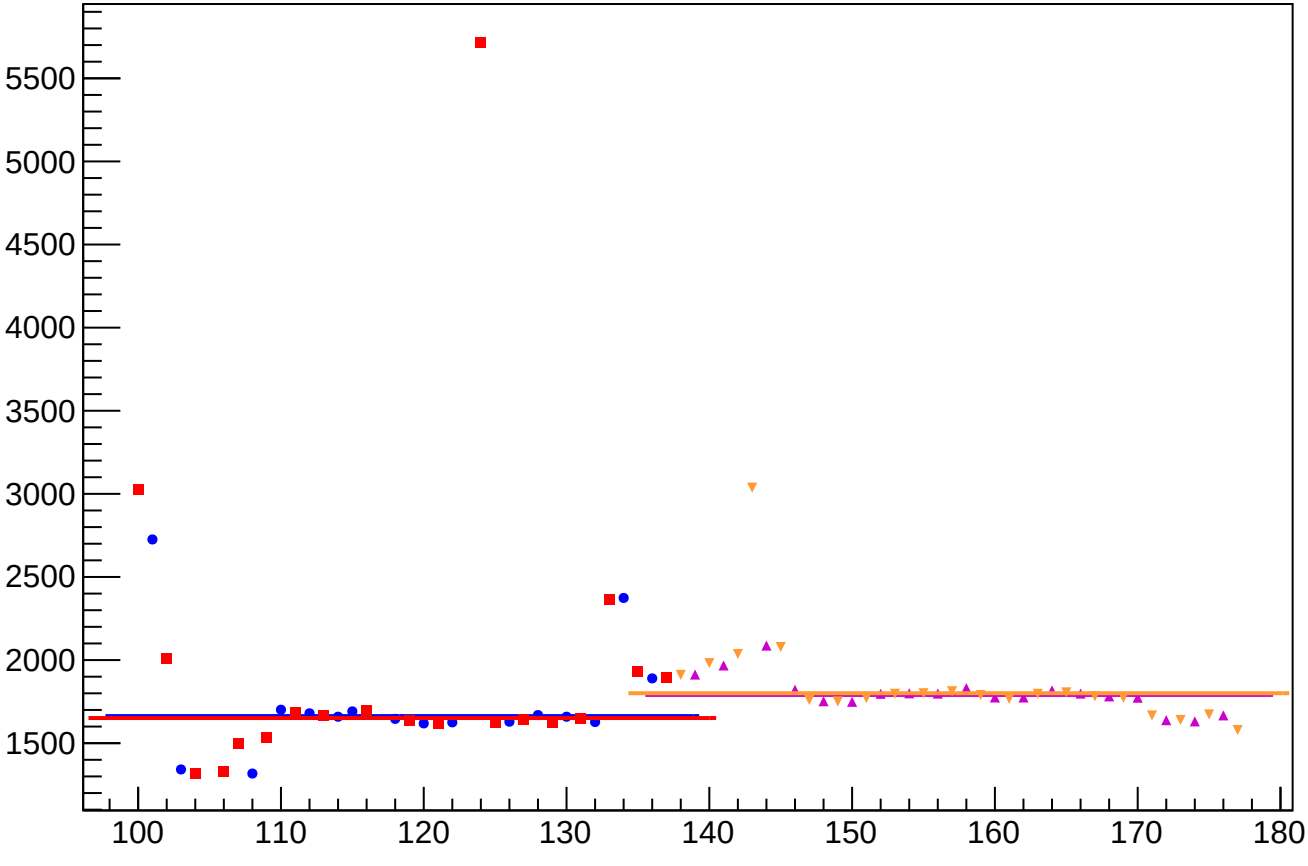
Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3180.775+/-368.418 χ^2/NDF:10.8/34

Out: 1119.097+/-361.060 χ^2/NDF:58.6/39

All: 2129.143+/-257.870 χ^2/NDF: 85.4/74

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1800.593+/-0.314 χ^2/NDF:401653.2/20

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1790.353+/-0.322 χ^2/NDF:99037.9/18

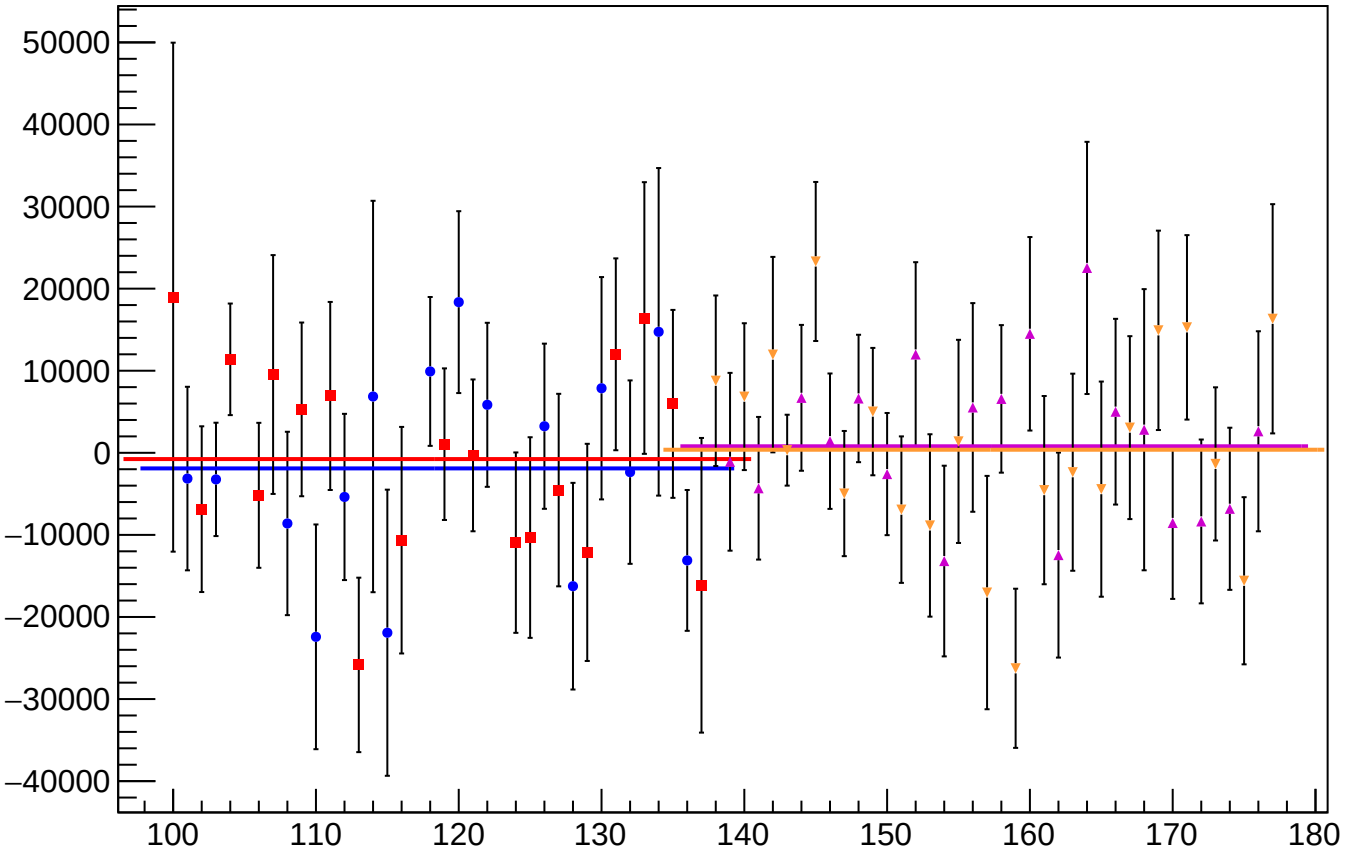
Left: 1795.602+/-0.225 χ^2/NDF: 501210.6/39

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1746.488+/-0.261 χ^2/NDF:568694.7/34

Out: 1750.213+/-0.255 χ^2/NDF:910052.0/39

All: 1748.388+/-0.182 χ^2/NDF: 1478851.1/74



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 375.040+/-2045.261 χ^2/NDF:26.4/20

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: 795.210+/-2322.027 χ^2/NDF:11.7/18

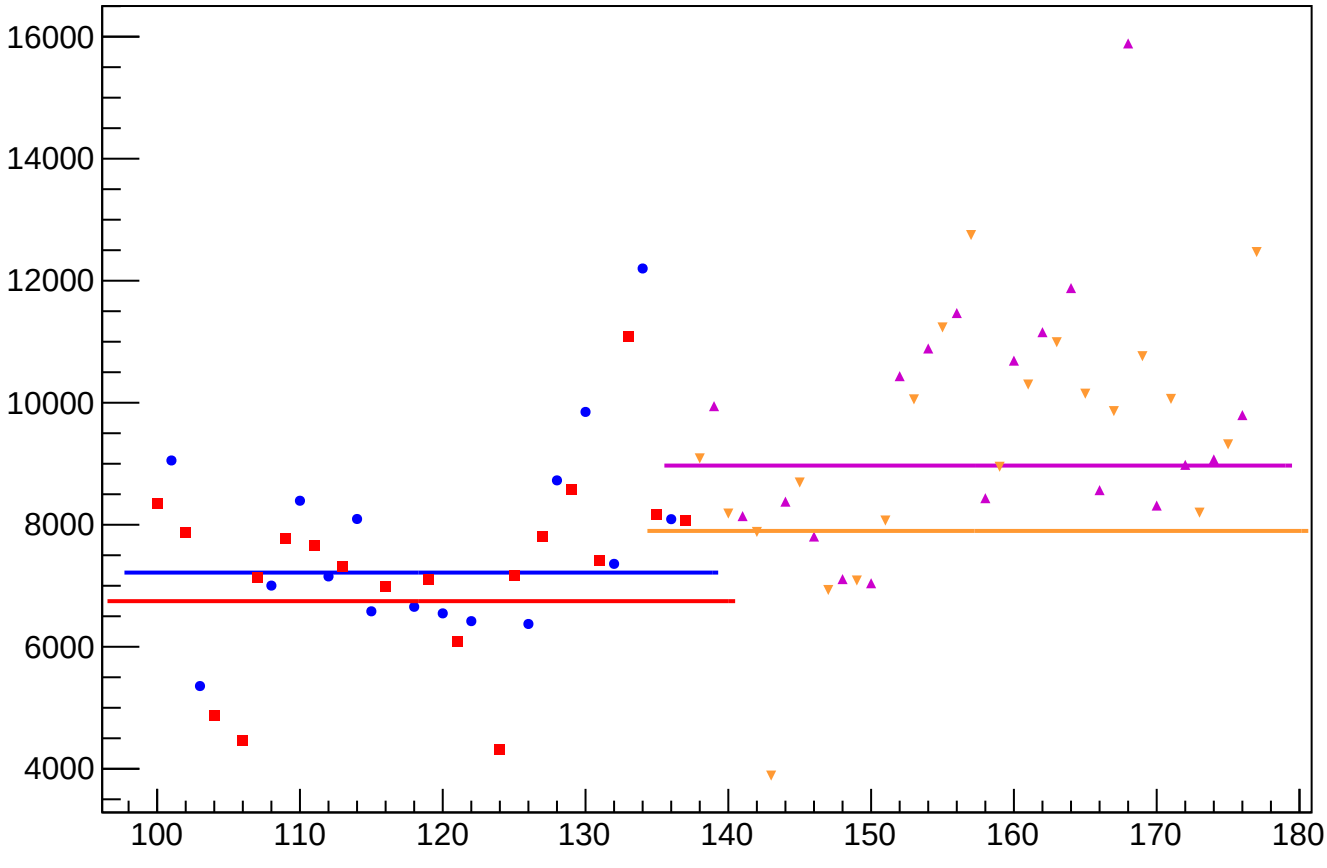
Left: 558.605+/-1534.790 χ^2/NDF: 38.1/39

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: -331.432+/-1771.454 χ^2/NDF:26.6/34

Out: -70.290+/-1595.460 χ^2/NDF:43.8/39

All: -187.248+/-1185.513 χ^2/NDF: 70.4/74



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 7898.862+/-1.446 χ^2/NDF:3080167.8/20

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8970.046+/-1.642 χ^2/NDF:1029379.3/18

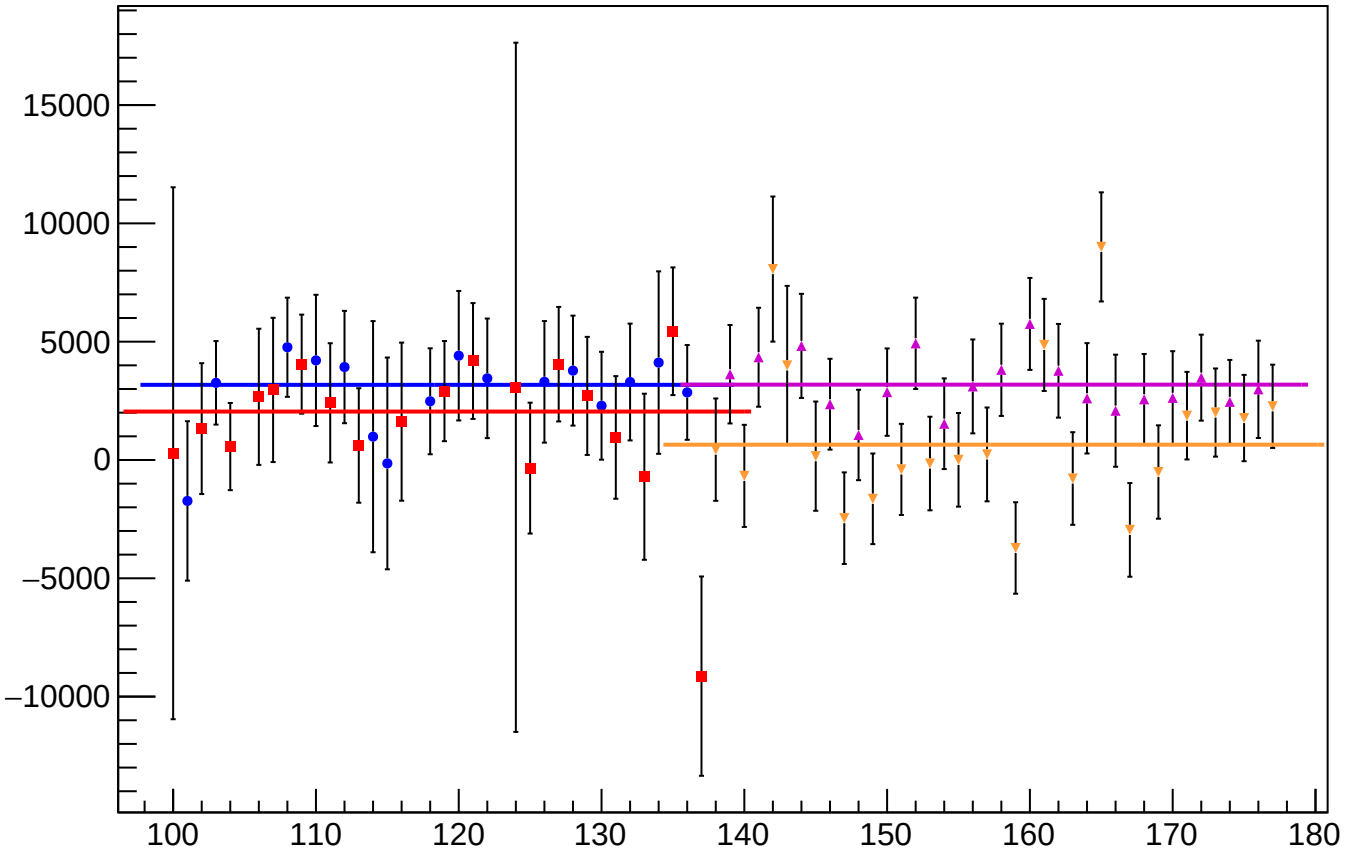
Left: 8366.842+/-1.085 χ^2/NDF: 4349222.5/39

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 8236.872+/-1.253 χ^2/NDF:2018524.9/34

Out: 7448.218+/-1.128 χ^2/NDF:4036982.3/39

All: 7801.433+/-0.838 χ^2/NDF: 6274375.9/74



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 646.276+/-443.596 χ^2/NDF:41.2/20

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3183.445+/-454.931 χ^2/NDF:6.5/18

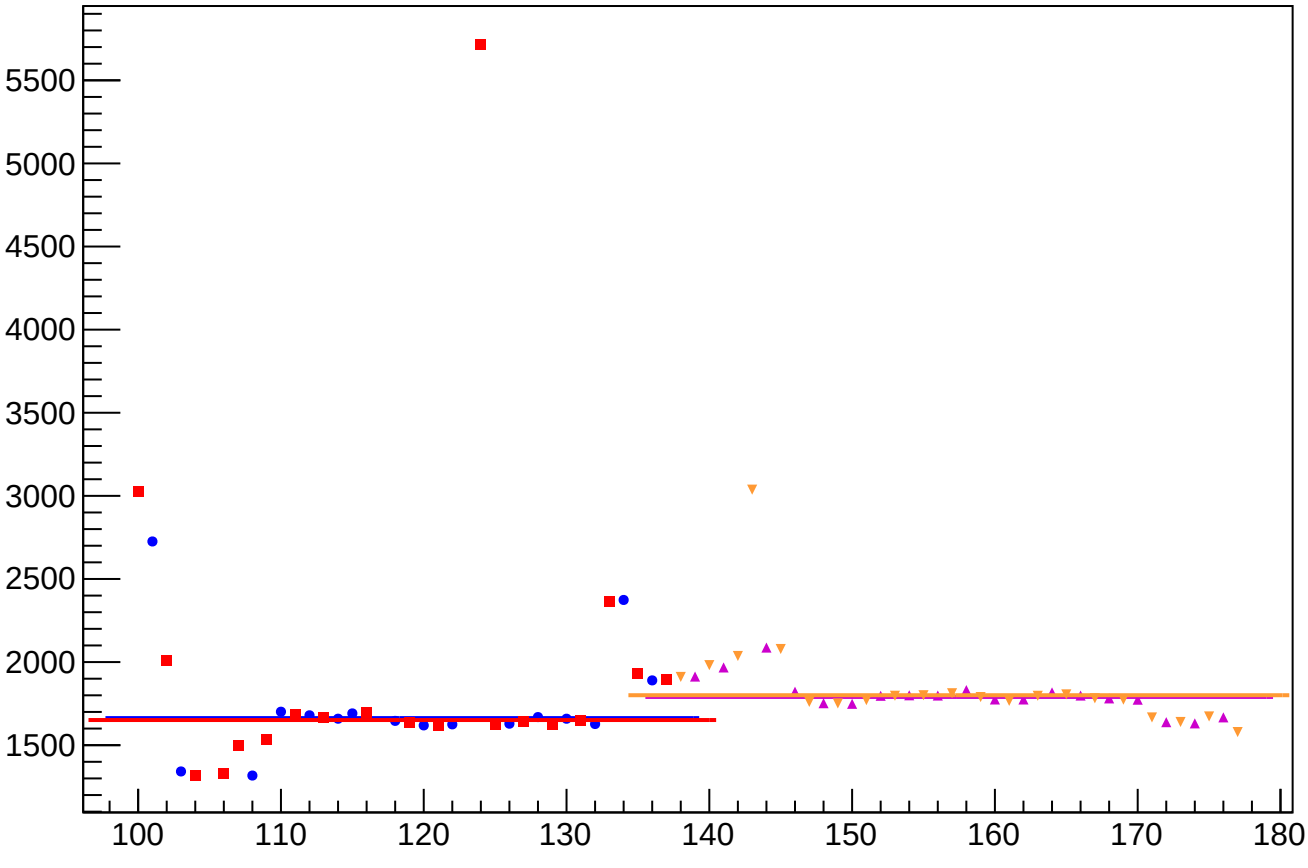
Left: 1882.860+/-317.602 χ^2/NDF: 63.7/39

Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3180.775+/-368.418 χ^2/NDF:10.8/34

Out: 1119.097+/-361.060 χ^2/NDF:58.6/39

All: 2129.143+/-257.870 χ^2/NDF: 85.4/74



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1800.593+/-0.314 χ^2/NDF:401653.2/20

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1790.353+/-0.322 χ^2/NDF:99037.9/18

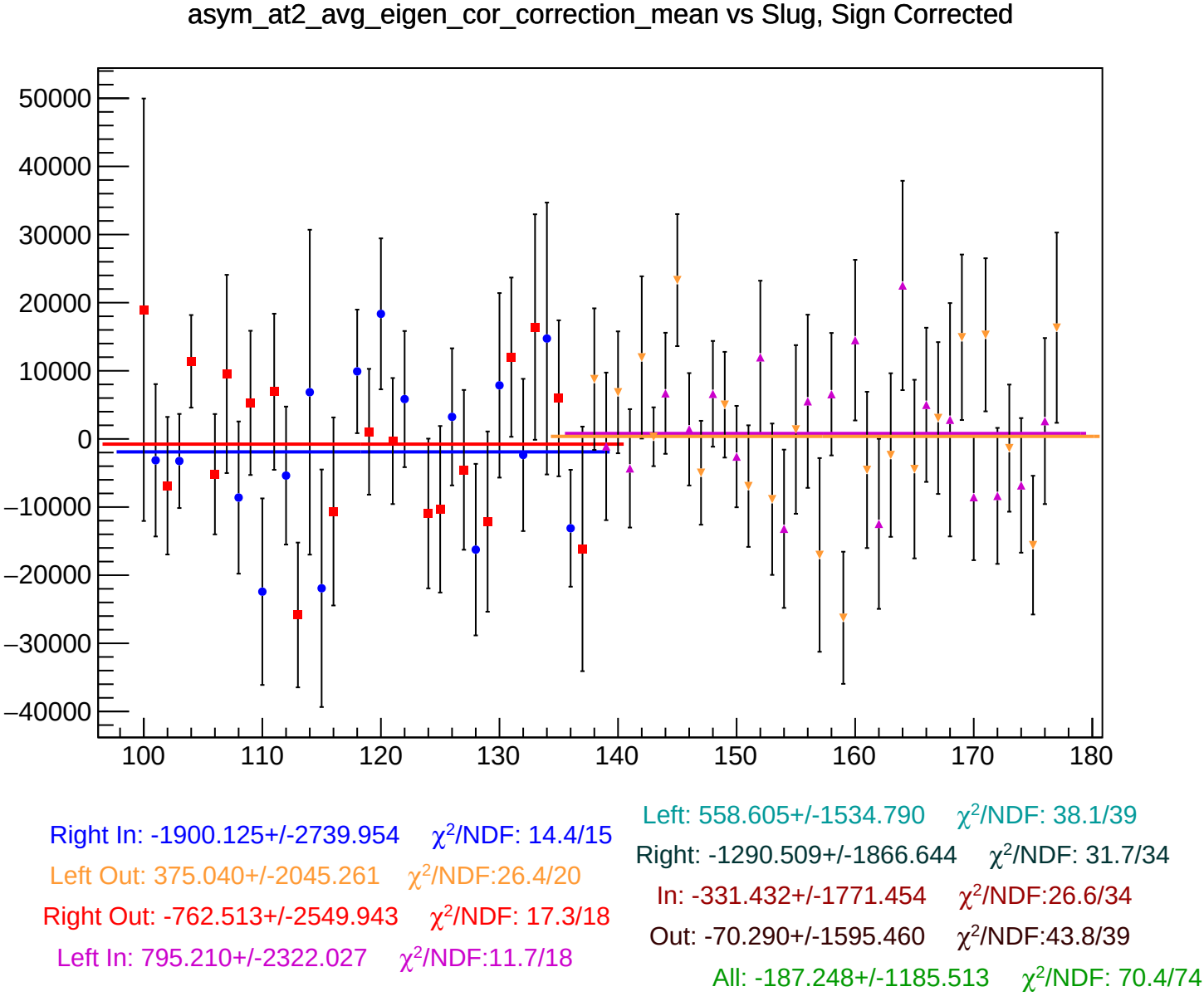
Left: 1795.602+/-0.225 χ^2/NDF: 501210.6/39

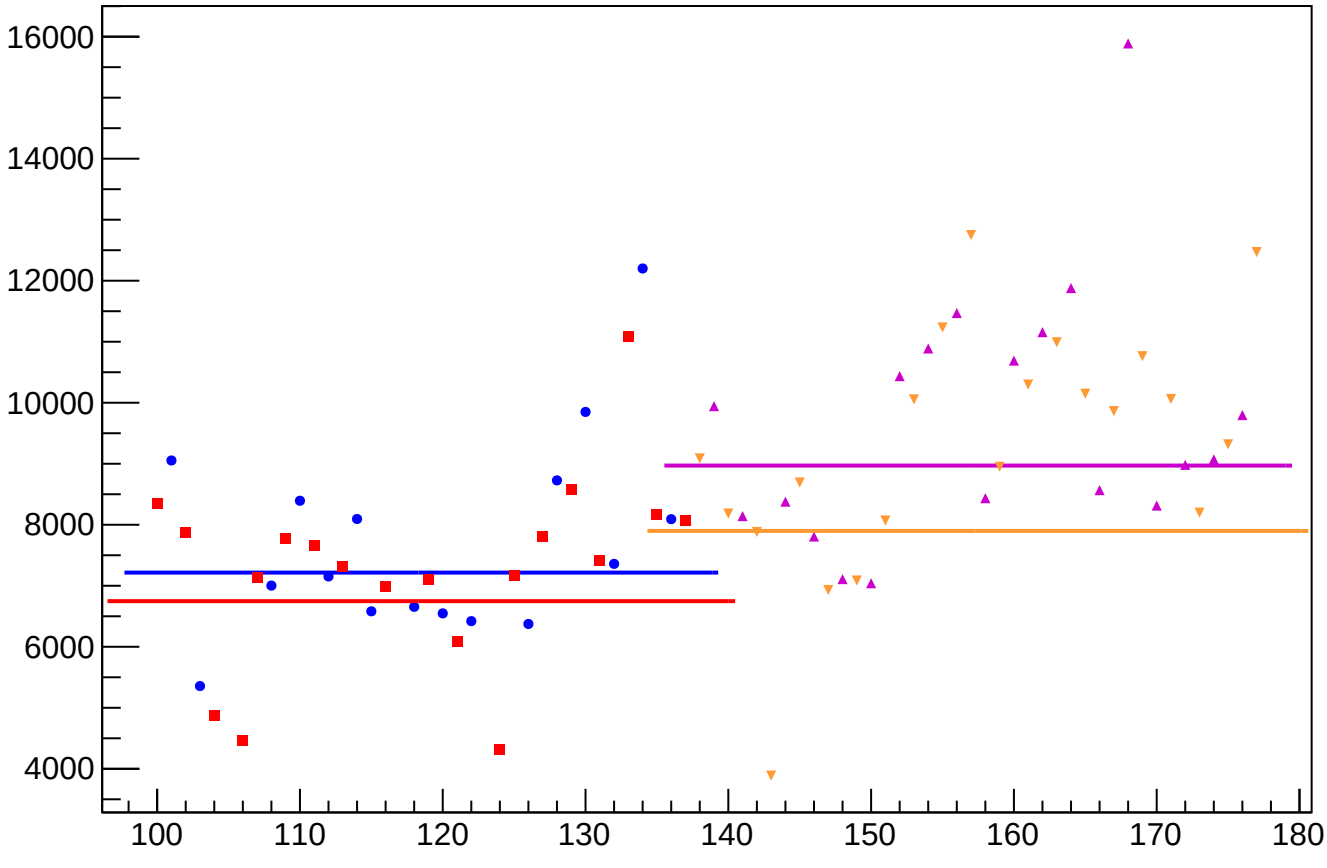
Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1746.488+/-0.261 χ^2/NDF:568694.7/34

Out: 1750.213+/-0.255 χ^2/NDF:910052.0/39

All: 1748.388+/-0.182 χ^2/NDF: 1478851.1/74


asym_at2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
Right In: -1900.125+/-2739.954 χ²/NDF: 14.4/15
Left Out: 375.040+/-2045.261 χ²/NDF:26.4/20
Right Out: -762.513+/-2549.943 χ²/NDF: 17.3/18
Left In: 795.210+/-2322.027 χ²/NDF:11.7/18
Left: 558.605+/-1534.790 χ²/NDF: 38.1/39
Right: -1290.509+/-1866.644 χ²/NDF: 31.7/34
In: -331.432+/-1771.454 χ²/NDF:26.6/34
Out: -70.290+/-1595.460 χ²/NDF:43.8/39
All: -187.248+/-1185.513 χ²/NDF: 70.4/74



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 7898.862+/-1.446 χ^2/NDF:3080167.8/20

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8970.046+/-1.642 χ^2/NDF:1029379.3/18

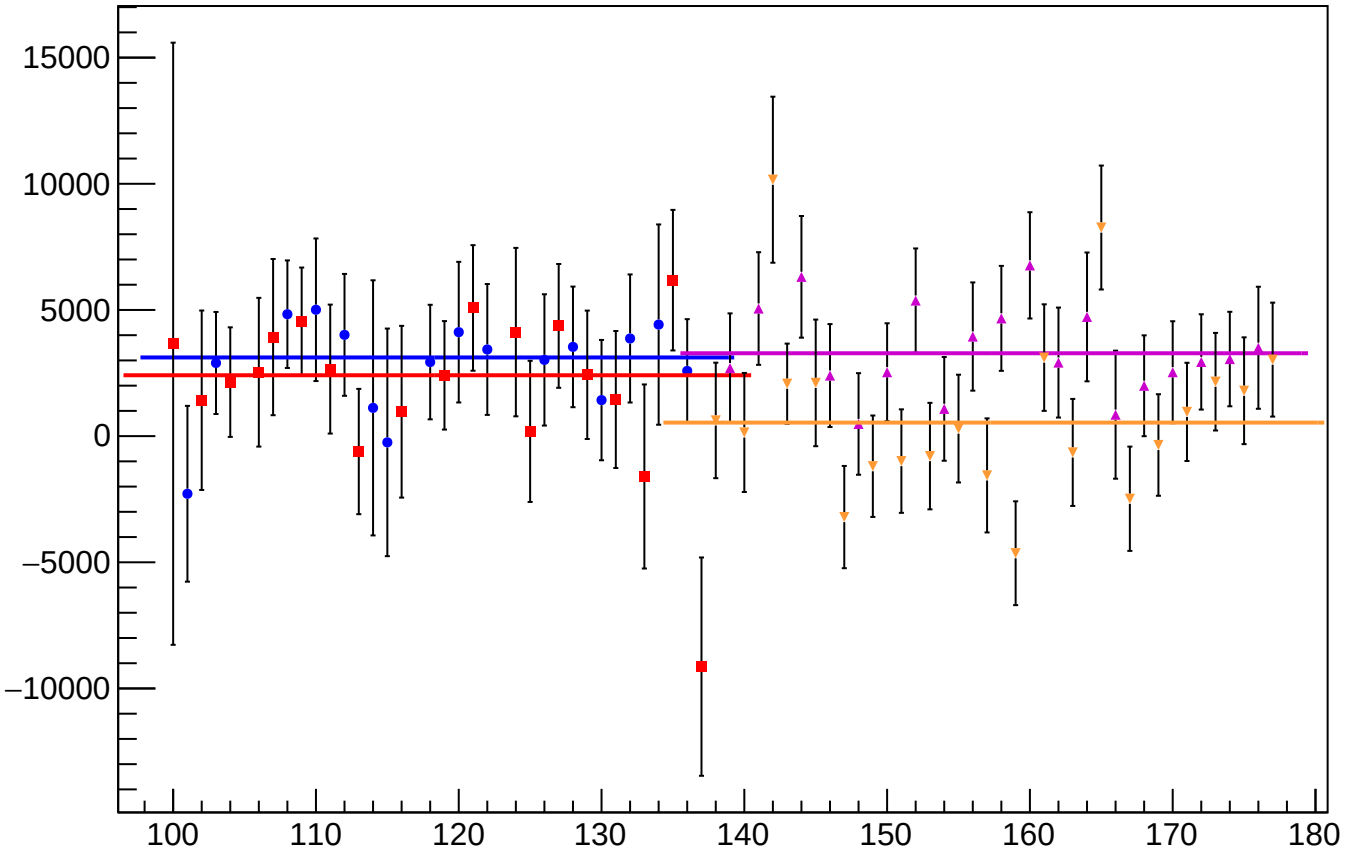
Left: 8366.842+/-1.085 χ^2/NDF: 4349222.5/39

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 8236.872+/-1.253 χ^2/NDF:2018524.9/34

Out: 7448.218+/-1.128 χ^2/NDF:4036982.3/39

All: 7801.433+/-0.838 χ^2/NDF: 6274375.9/74



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 535.972+/-462.850 χ^2/NDF:38.6/20

Right Out: 2412.473+/-639.018 χ^2/NDF: 16.0/18

Left In: 3284.213+/-485.881 χ^2/NDF:11.9/18

Left: 1843.419+/-335.131 χ^2/NDF: 67.2/39

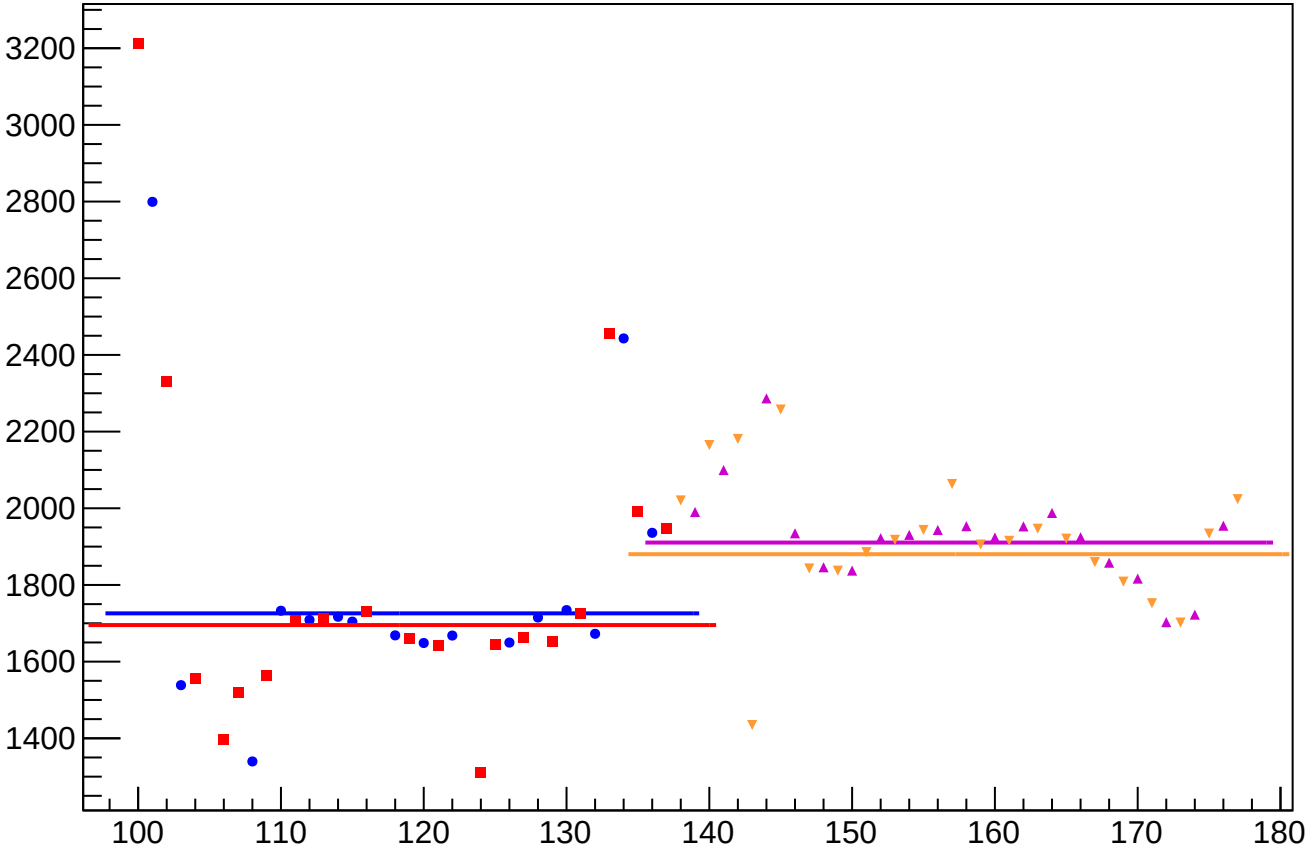
Right: 2758.560+/-456.072 χ^2/NDF: 21.9/34

In: 3224.719+/-389.409 χ^2/NDF:17.2/34

Out: 1181.684+/-374.850 χ^2/NDF:60.2/39

All: 2164.297+/-270.060 χ^2/NDF: 91.8/74

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1880.212+/-0.327 χ^2/NDF:314281.7/20

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

Left In: 1910.572+/-0.344 χ^2/NDF:125904.3/18

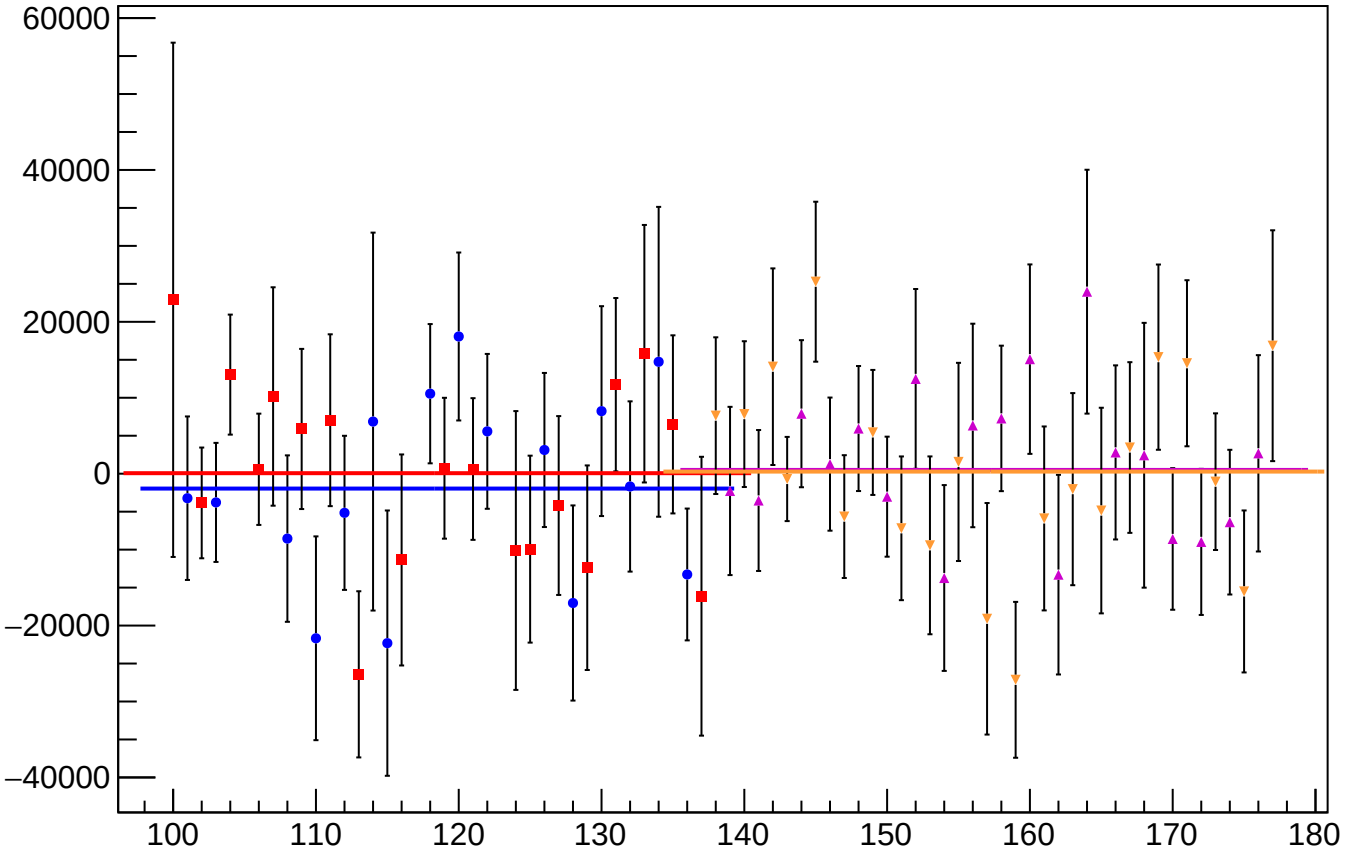
Left: 1894.655+/-0.237 χ^2/NDF: 444279.8/39

Right: 1710.357+/-0.322 χ^2/NDF: 653500.6/34

In: 1844.523+/-0.275 χ^2/NDF:594870.0/34

Out: 1816.582+/-0.265 χ^2/NDF:709695.5/39

All: 1830.018+/-0.191 χ^2/NDF: 1309910.5/74



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: 278.275+/-2219.796 χ^2/NDF:26.1/20

Right Out: 68.156+/-2529.527 χ^2/NDF: 16.1/18

Left In: 495.451+/-2419.834 χ^2/NDF:11.7/18

Left: 377.517+/-1635.788 χ^2/NDF: 37.8/39

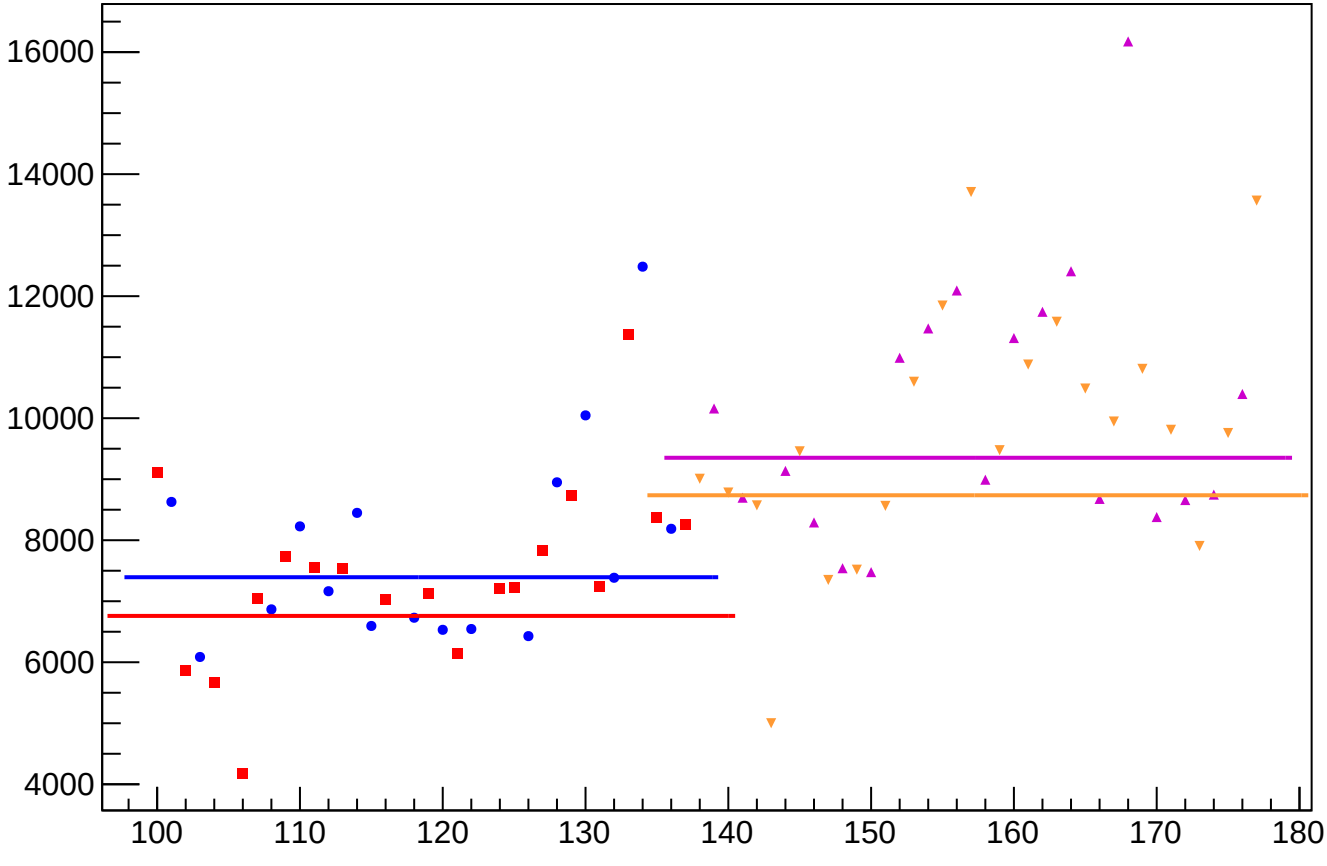
Right: -843.216+/-1876.494 χ^2/NDF: 30.8/34

In: -554.495+/-1830.378 χ^2/NDF:26.5/34

Out: 186.861+/-1668.453 χ^2/NDF:42.2/39

All: -149.581+/-1233.055 χ^2/NDF: 68.8/74

asym_at2_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

Left Out: 8736.906+/-1.570 χ^2/NDF:1944672.2/20

Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

Left In: 9351.392+/-1.711 χ^2/NDF:999639.2/18

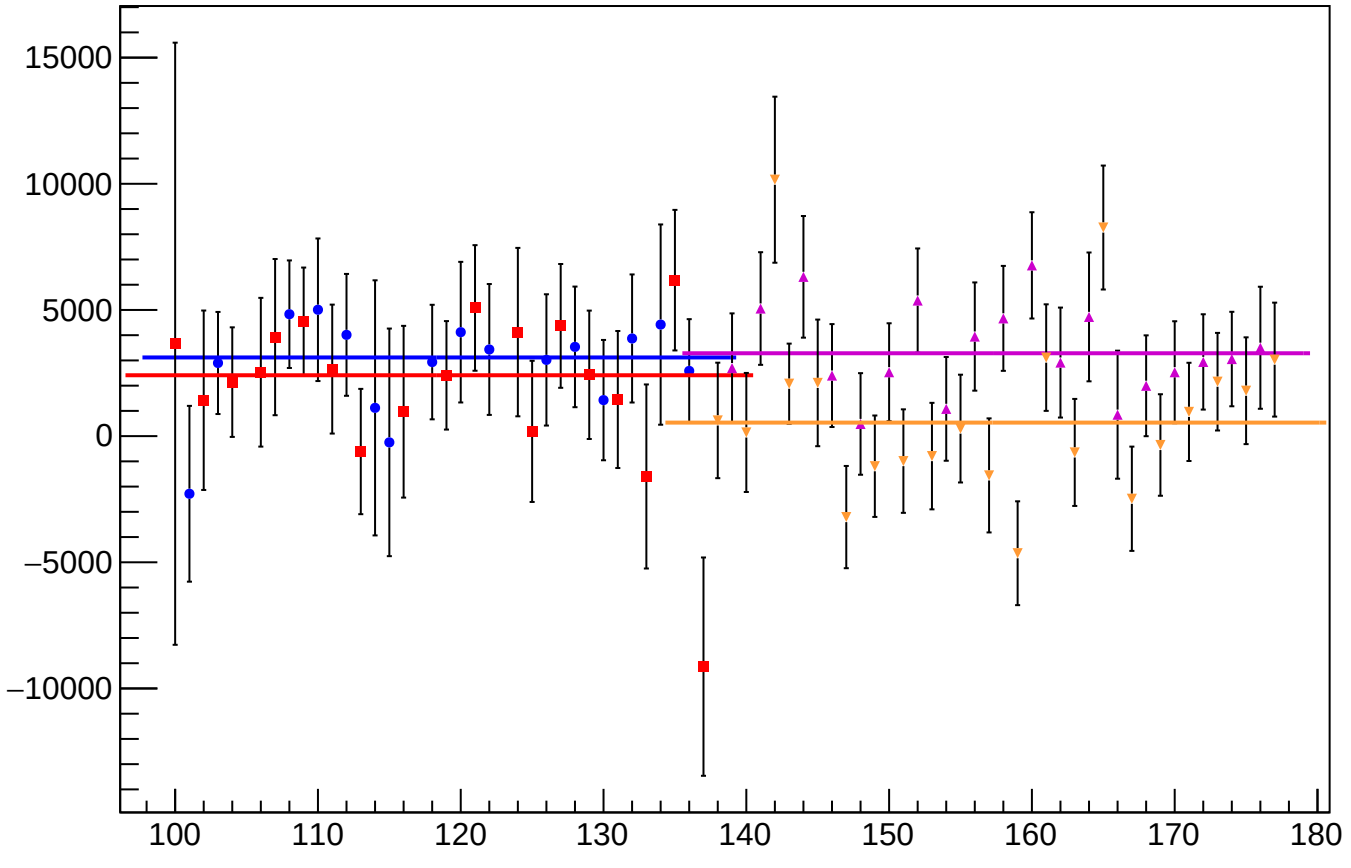
Left: 9017.704+/-1.157 χ^2/NDF: 3014345.7/39

Right: 7044.612+/-1.327 χ^2/NDF: 1102650.4/34

In: 8513.762+/-1.294 χ^2/NDF:1961575.0/34

Out: 7876.583+/-1.180 χ^2/NDF:3279484.1/39

All: 8165.747+/-0.872 χ^2/NDF: 5373434.4/74



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 535.963+/-462.851 χ^2/NDF:38.6/20

Right Out: 2412.481+/-639.018 χ^2/NDF: 16.0/18

Left In: 3284.215+/-485.881 χ^2/NDF:11.9/18

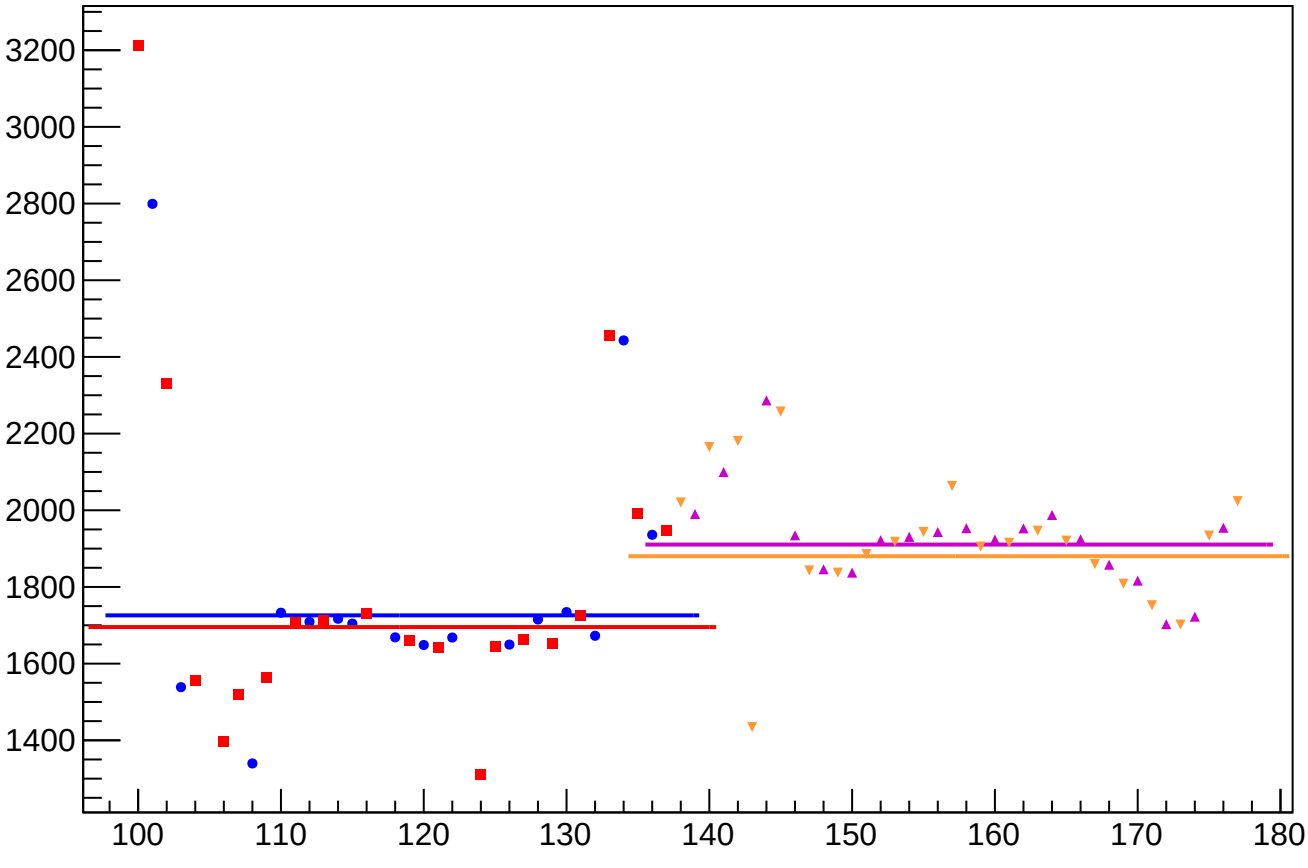
Left: 1843.415+/-335.131 χ^2/NDF: 67.2/39

Right: 2758.566+/-456.072 χ^2/NDF: 21.9/34

In: 3224.721+/-389.409 χ^2/NDF:17.2/34

Out: 1181.682+/-374.851 χ^2/NDF:60.2/39

All: 2164.297+/-270.060 χ^2/NDF: 91.8/74



Right In: 1725.910+/-0.460 χ^2/NDF: 365639.0/15

Left Out: 1880.214+/-0.327 χ^2/NDF:314287.5/20

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

Left In: 1910.574+/-0.344 χ^2/NDF:125908.8/18

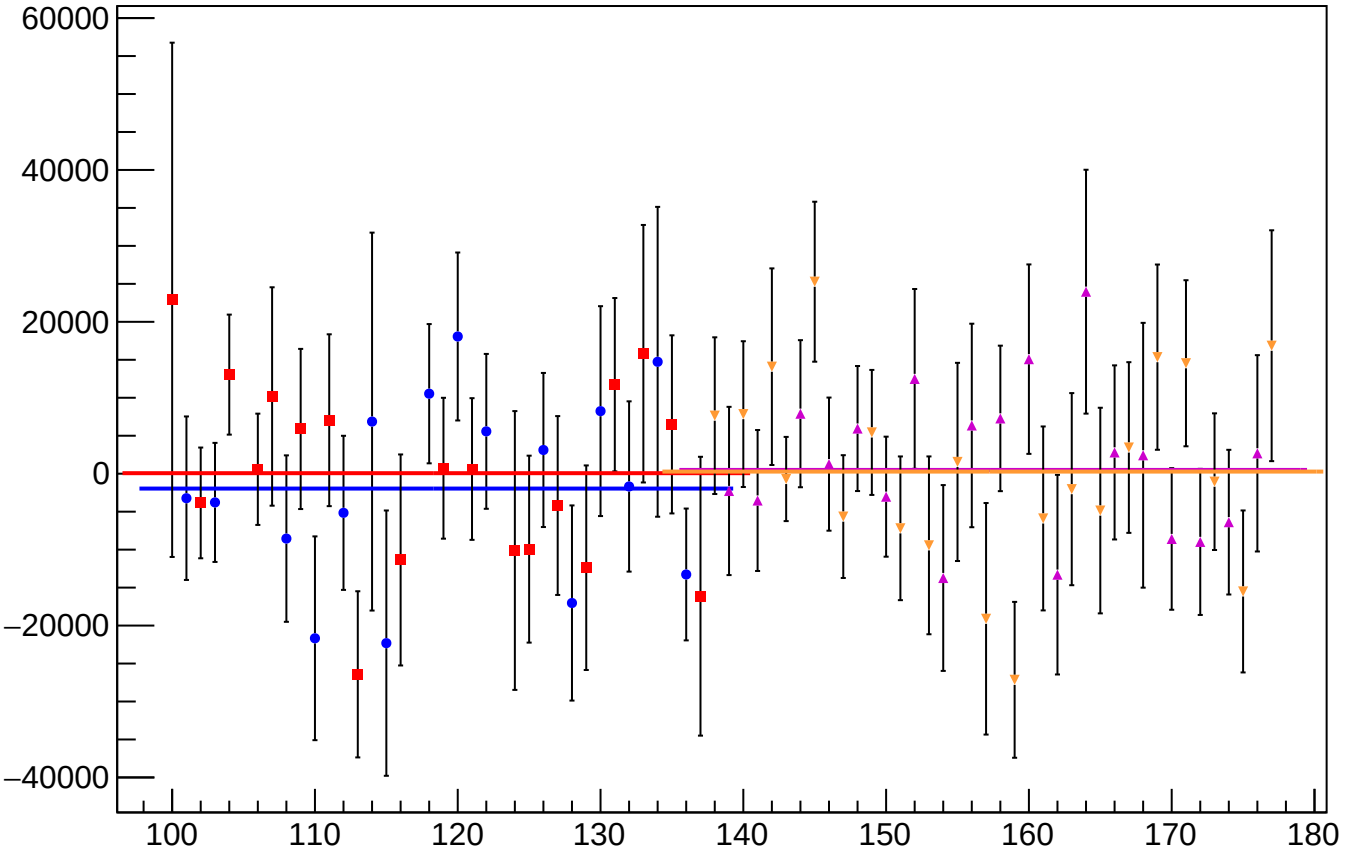
Left: 1894.658+/-0.237 χ^2/NDF: 444290.0/39

Right: 1710.357+/-0.322 χ^2/NDF: 653500.9/34

In: 1844.524+/-0.275 χ^2/NDF:594877.6/34

Out: 1816.583+/-0.265 χ^2/NDF:709704.8/39

All: 1830.020+/-0.191 χ^2/NDF: 1309927.4/74



Right In: -1958.538+/-2798.302 χ^2/NDF: 14.4/15

Left Out: 278.269+/-2219.800 χ^2/NDF:26.1/20

Right Out: 68.163+/-2529.521 χ^2/NDF: 16.1/18

Left In: 495.449+/-2419.838 χ^2/NDF:11.7/18

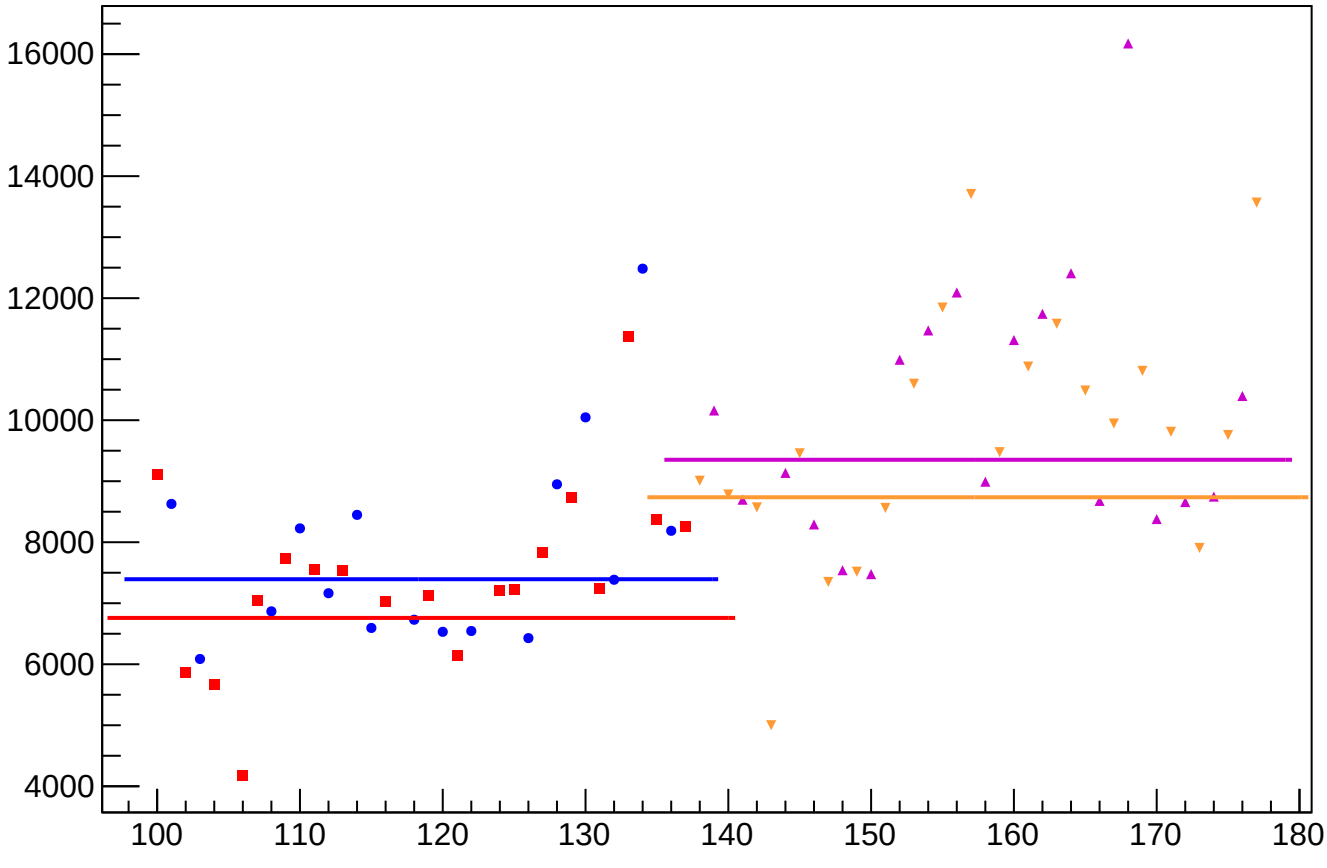
Left: 377.513+/-1635.791 χ^2/NDF: 37.8/39

Right: -843.203+/-1876.490 χ^2/NDF: 30.8/34

In: -554.491+/-1830.378 χ^2/NDF:26.5/34

Out: 186.860+/-1668.453 χ^2/NDF:42.2/39

All: -149.580+/-1233.055 χ^2/NDF: 68.8/74



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 8736.920+/-1.570 χ^2/NDF:1944672.6/20

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

Left In: 9351.406+/-1.711 χ^2/NDF:999641.2/18

Left: 9017.719+/-1.157 χ^2/NDF: 3014347.8/39

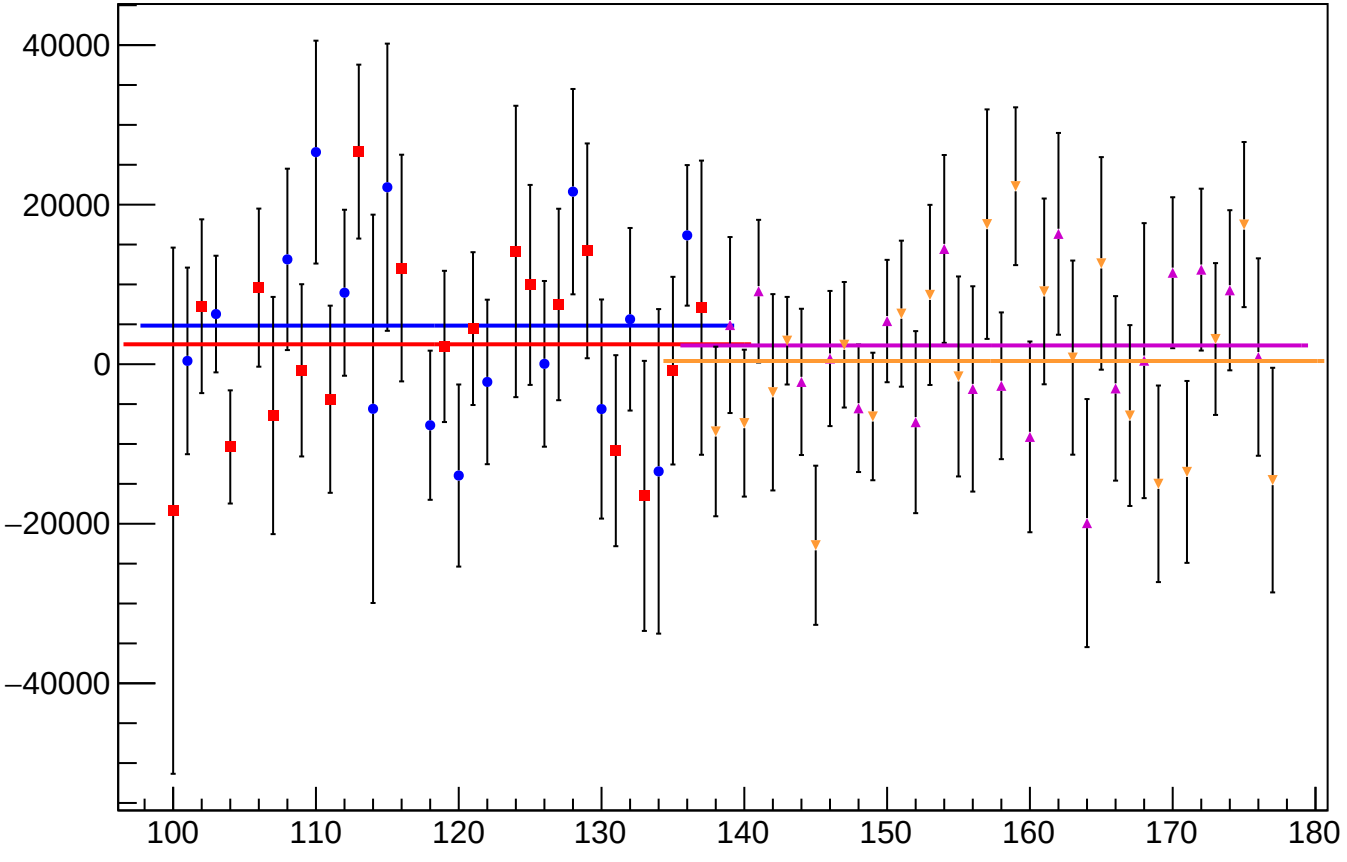
Right: 7044.596+/-1.327 χ^2/NDF: 1102651.2/34

In: 8513.759+/-1.294 χ^2/NDF:1961597.9/34

Out: 7876.582+/-1.180 χ^2/NDF:3279504.1/39

All: 8165.745+/-0.872 χ^2/NDF: 5373476.8/74

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: 401.237+/-2178.456 χ^2/NDF:24.0/20

Right Out: 2495.844+/-2695.530 χ^2/NDF: 14.9/18

Left In: 2352.565+/-2373.469 χ^2/NDF:11.0/18

Left: 1293.456+/-1604.922 χ^2/NDF: 35.4/39

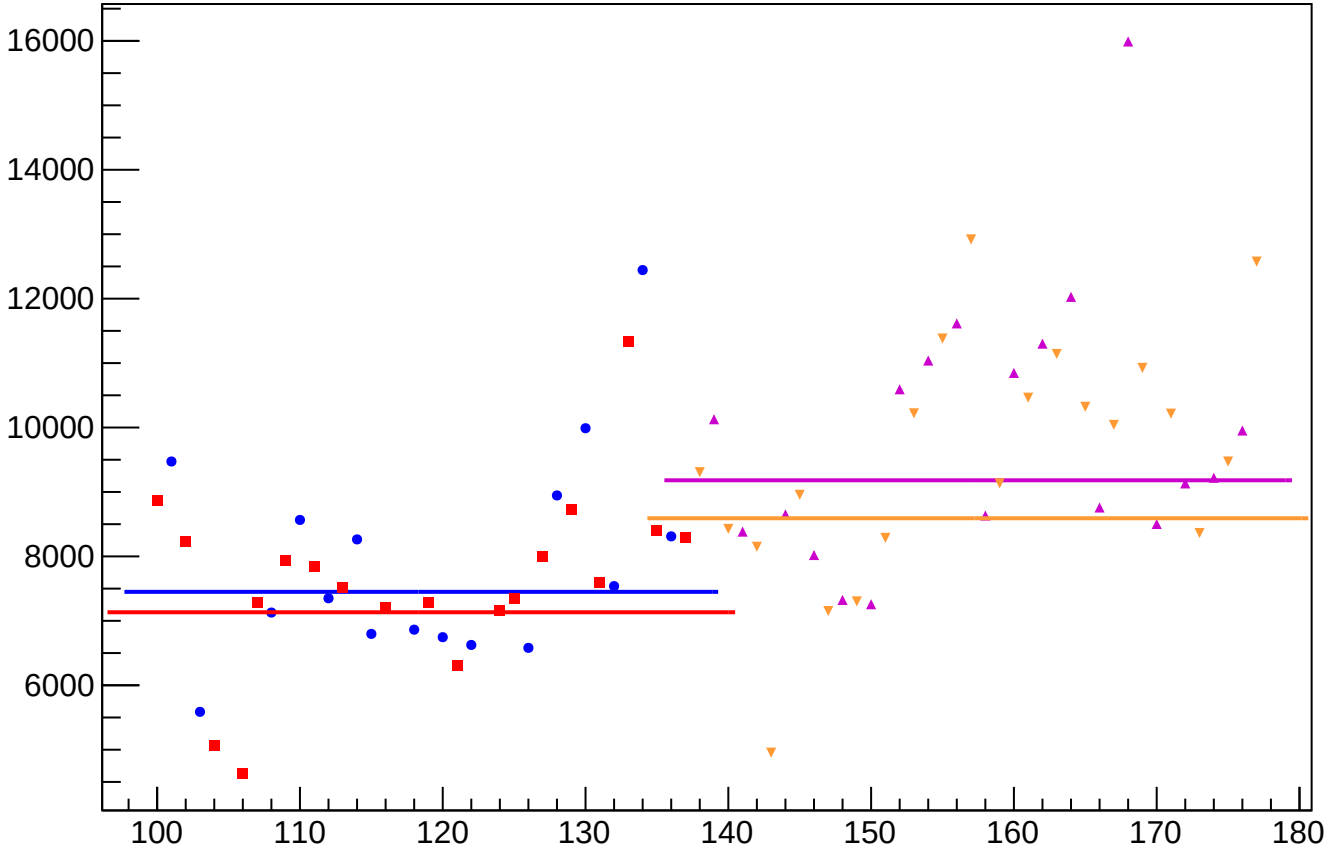
Right: 3610.318+/-1951.480 χ^2/NDF: 29.6/34

In: 3379.273+/-1818.270 χ^2/NDF:25.8/34

Out: 1228.800+/-1694.312 χ^2/NDF:39.3/39

All: 2228.242+/-1239.567 χ^2/NDF: 65.8/74

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 8591.933+/-1.540 χ^2/NDF:1835606.4/20

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

Left In: 9181.153+/-1.678 χ^2/NDF:962642.3/18

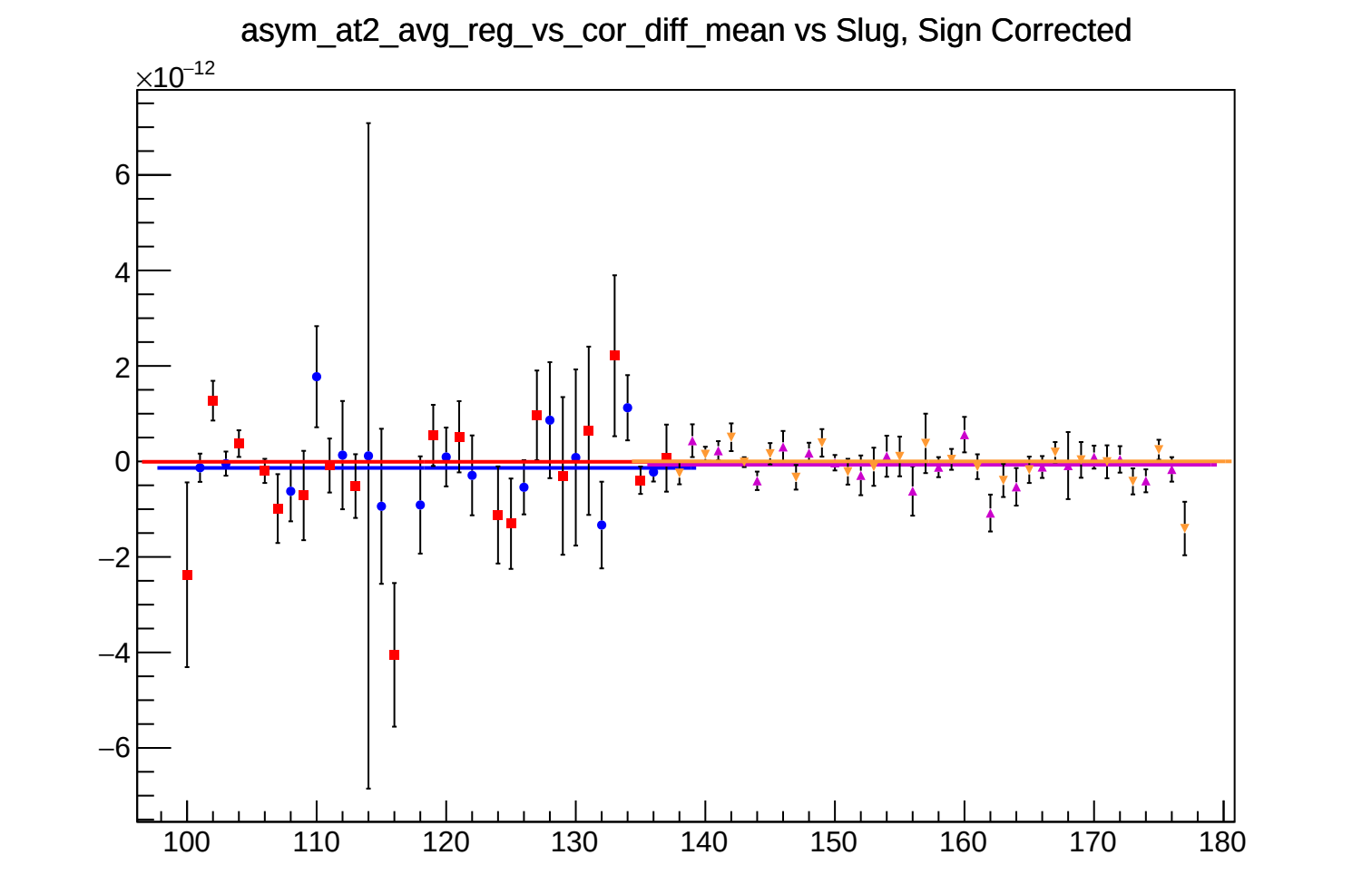
Left: 8861.346+/-1.135 χ^2/NDF: 2865149.1/39

Right: 7283.894+/-1.380 χ^2/NDF: 1056573.7/34

In: 8465.966+/-1.286 χ^2/NDF:1888633.5/34

Out: 8015.516+/-1.198 χ^2/NDF:2746980.0/39

All: 8224.860+/-0.876 χ^2/NDF: 4701314.6/74



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/15

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

Right Out: -0.000+/-0.000 χ^2/NDF: 32.8/18

Left In: -0.000+/-0.000 χ^2/NDF:25.5/18

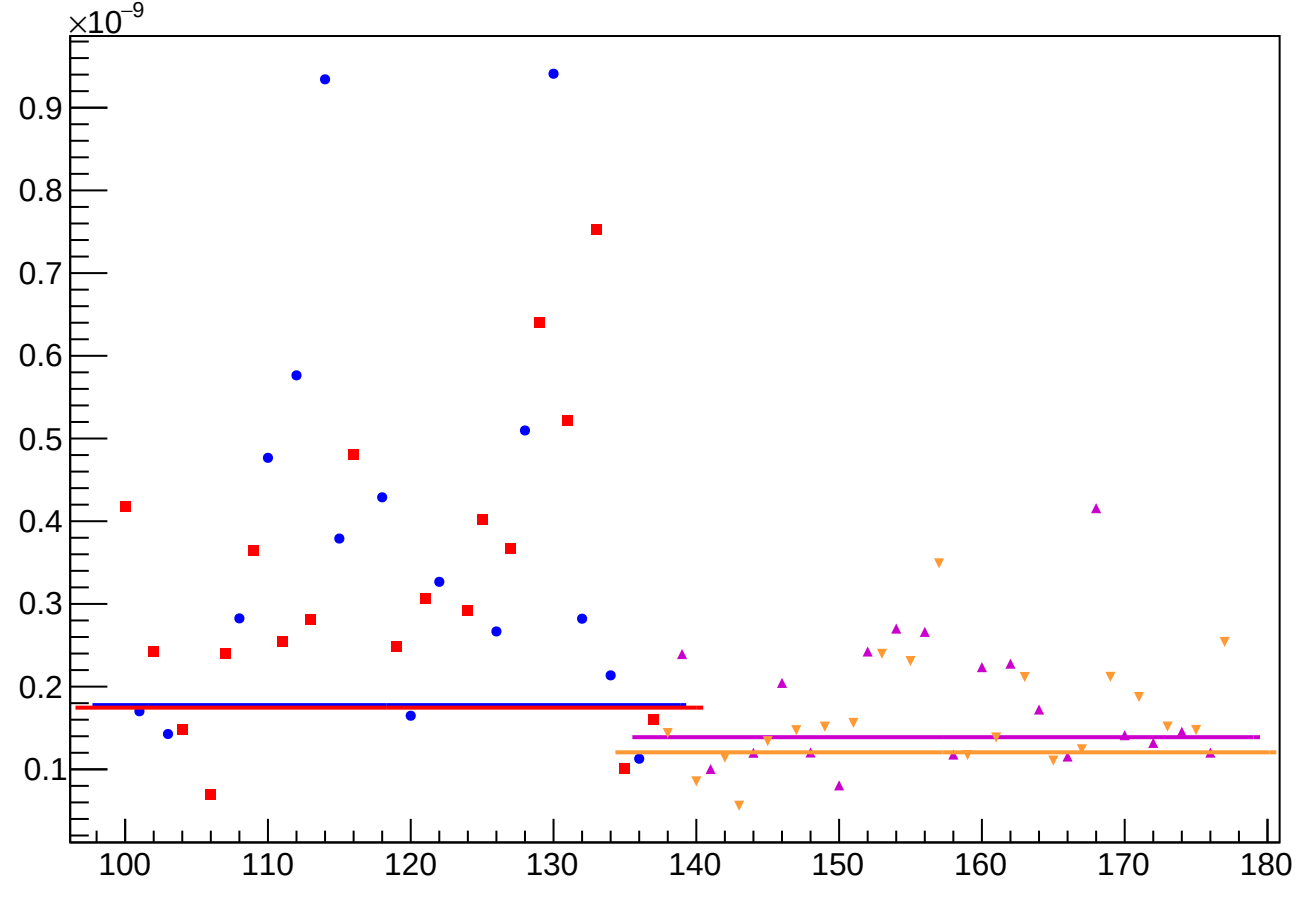
Left: -0.000+/-0.000 χ^2/NDF: 49.2/39

Right: -0.000+/-0.000 χ^2/NDF: 44.9/34

In: -0.000+/-0.000 χ^2/NDF:37.3/34

Out: -0.000+/-0.000 χ^2/NDF:55.7/39

All: -0.000+/-0.000 χ^2/NDF: 94.3/74



Right In: 0.000+/-0.000 χ^2/NDF: 1530066.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2091153.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1637184.6/18

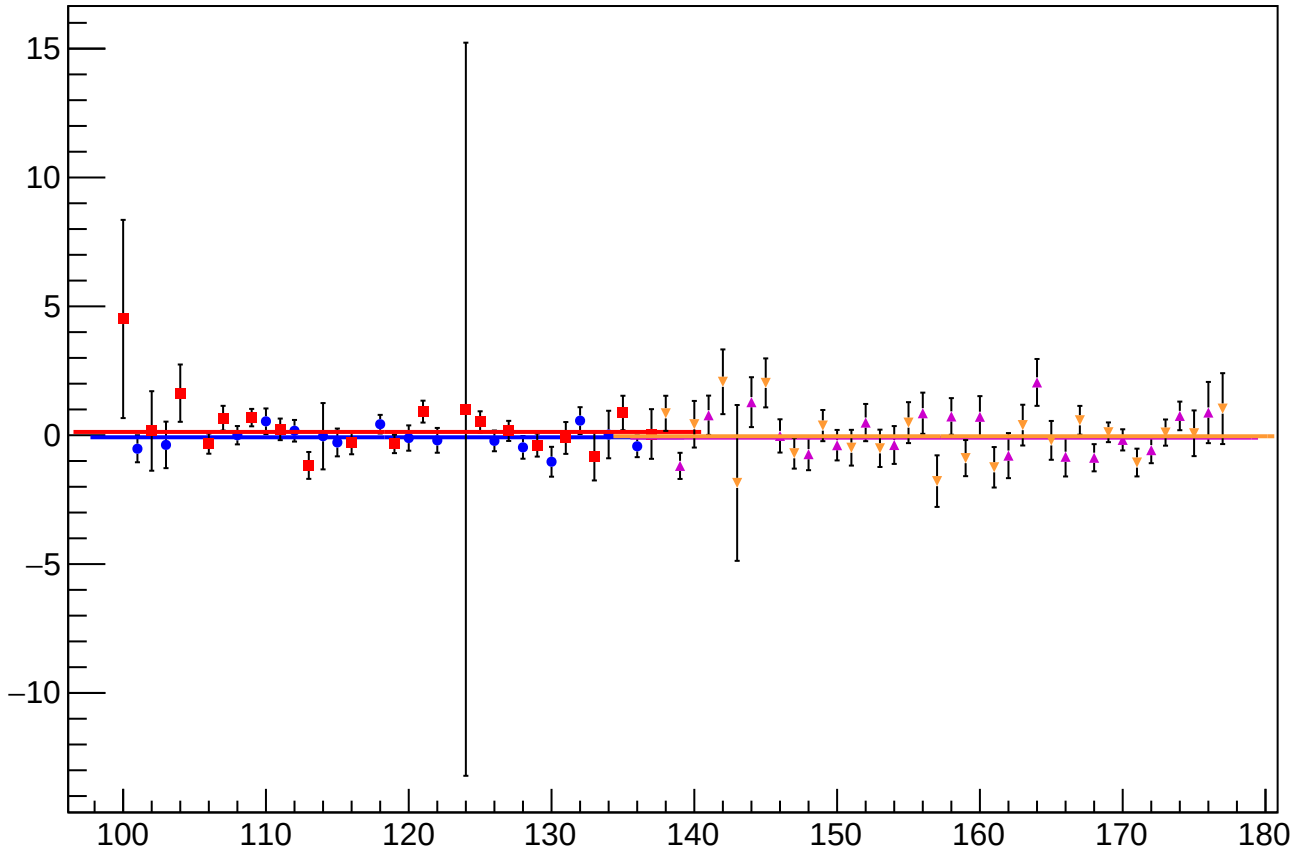
Left: 0.000+/-0.000 χ^2/NDF: 3833532.0/39

Right: 0.000+/-0.000 χ^2/NDF: 3172068.5/34

In: 0.000+/-0.000 χ^2/NDF:3333808.1/34

Out: 0.000+/-0.000 χ^2/NDF:4060220.5/39

All: 0.000+/-0.000 χ^2/NDF: 7519845.9/74



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.040+/-0.152 χ^2/NDF:25.7/20

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.094+/-0.149 χ^2/NDF:27.1/18

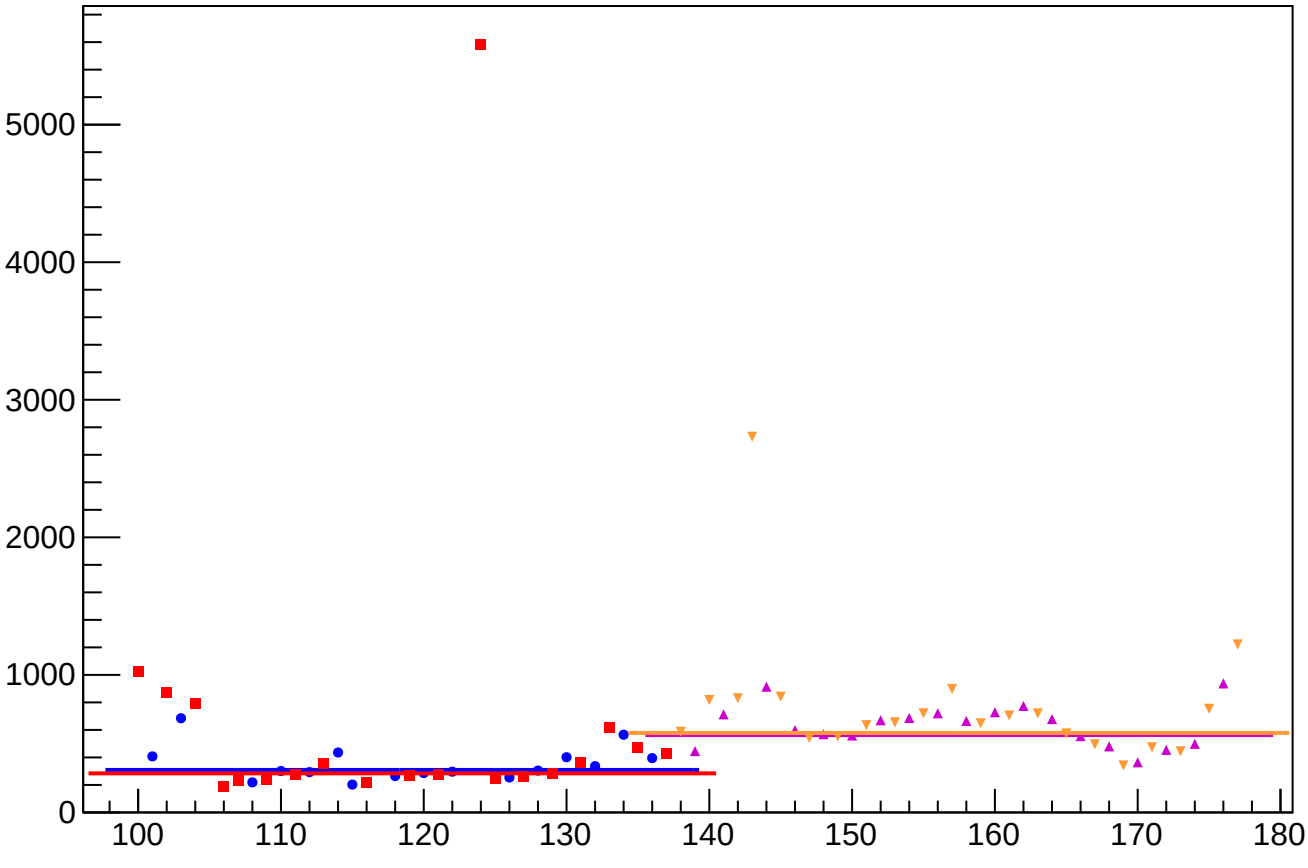
Left: -0.068+/-0.106 χ^2/NDF: 52.9/39

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.086+/-0.094 χ^2/NDF:37.9/34

Out: 0.065+/-0.093 χ^2/NDF:51.8/39

All: -0.009+/-0.066 χ^2/NDF: 91.0/74



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 578.265+/-0.107 χ^2/NDF:3378106.4/20

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 562.632+/-0.105 χ^2/NDF:1740299.2/18

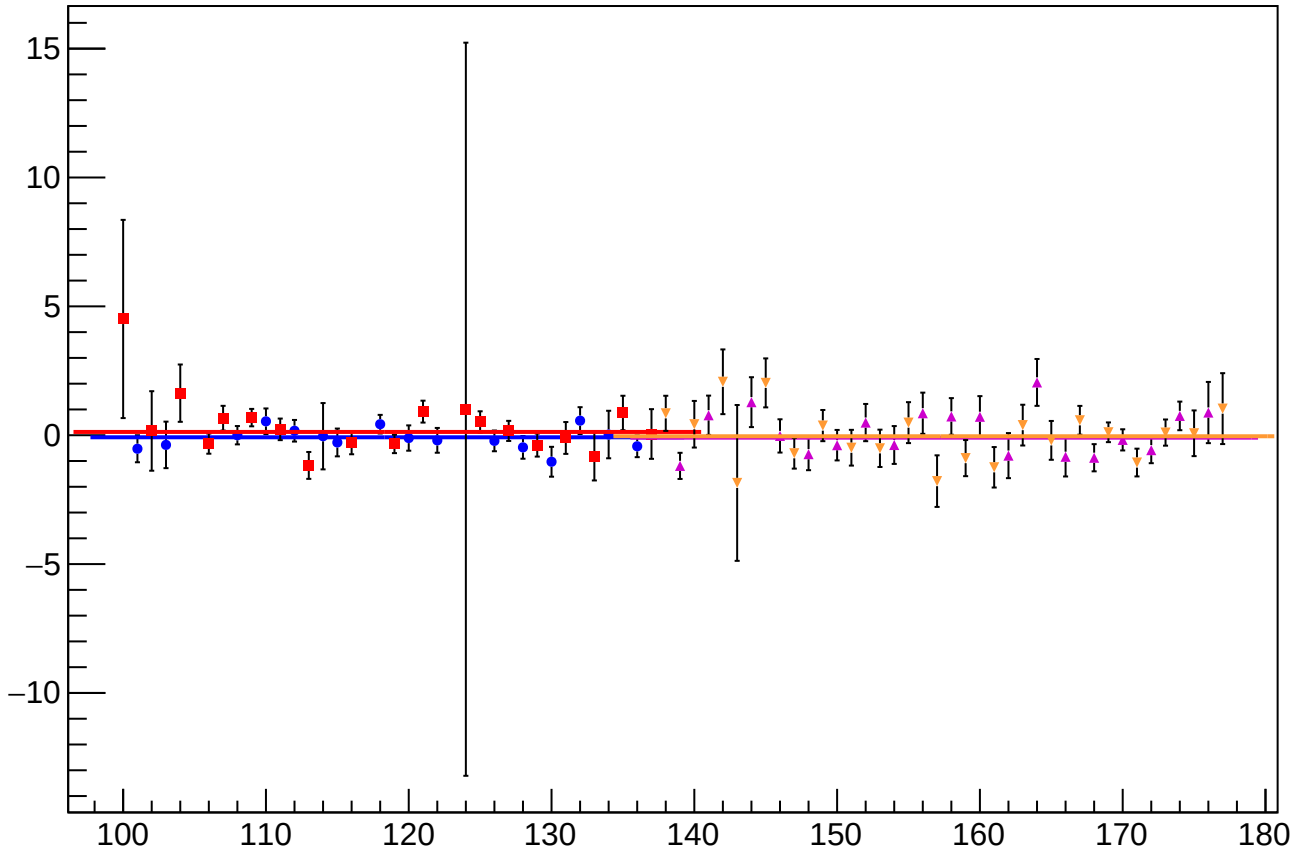
Left: 570.319+/-0.075 χ^2/NDF: 5129218.1/39

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 410.640+/-0.067 χ^2/NDF:6222063.2/34

Out: 393.873+/-0.065 χ^2/NDF:9954391.2/39

All: 402.097+/-0.047 χ^2/NDF: 16208632.8/74



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.040+/-0.152 χ^2/NDF:25.7/20

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.094+/-0.149 χ^2/NDF:27.1/18

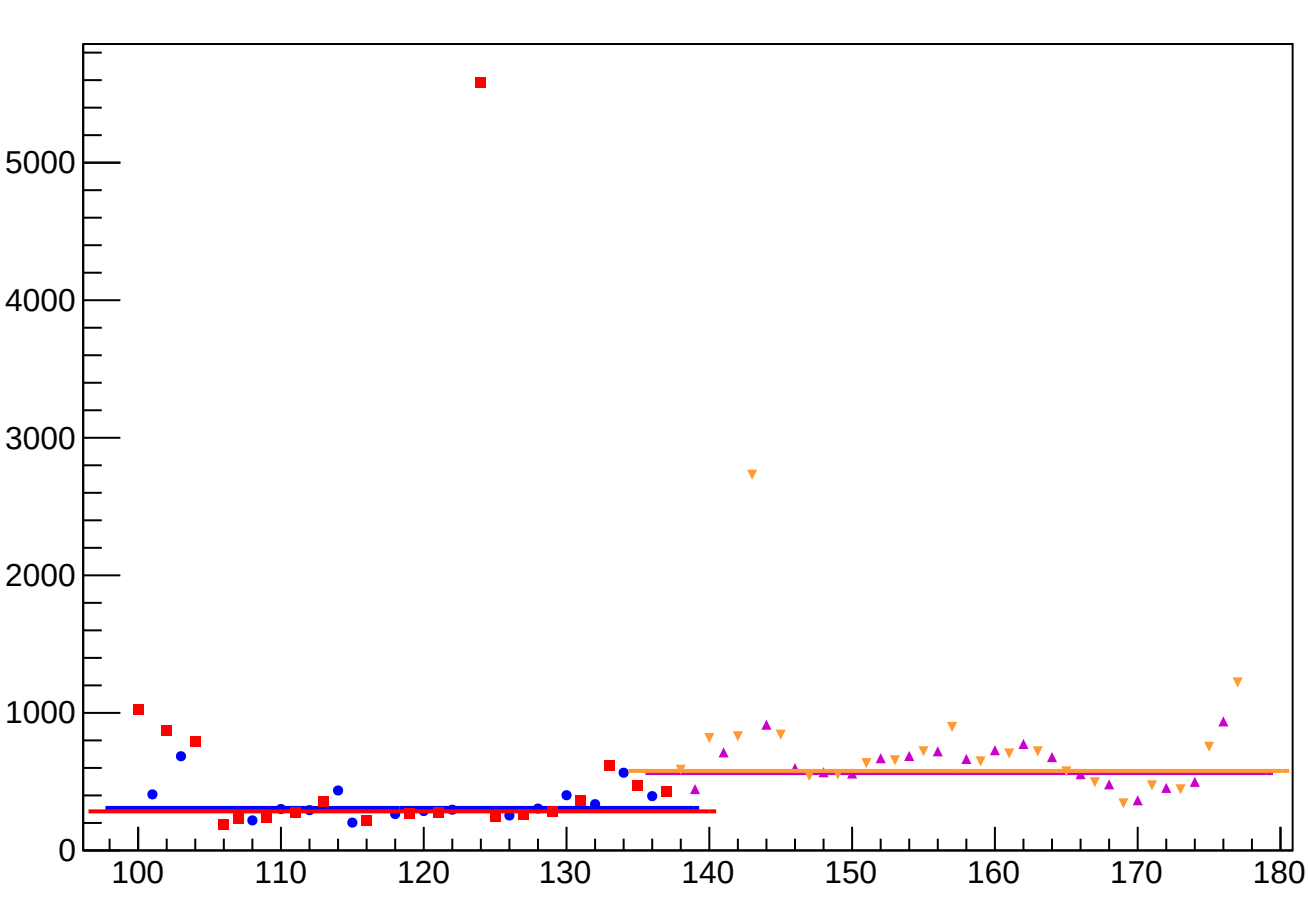
Left: -0.068+/-0.106 χ^2/NDF: 52.9/39

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.086+/-0.094 χ^2/NDF:37.9/34

Out: 0.065+/-0.093 χ^2/NDF:51.8/39

All: -0.009+/-0.066 χ^2/NDF: 91.0/74



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 578.265+/-0.107 χ^2/NDF:3378106.4/20

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 562.632+/-0.105 χ^2/NDF:1740299.2/18

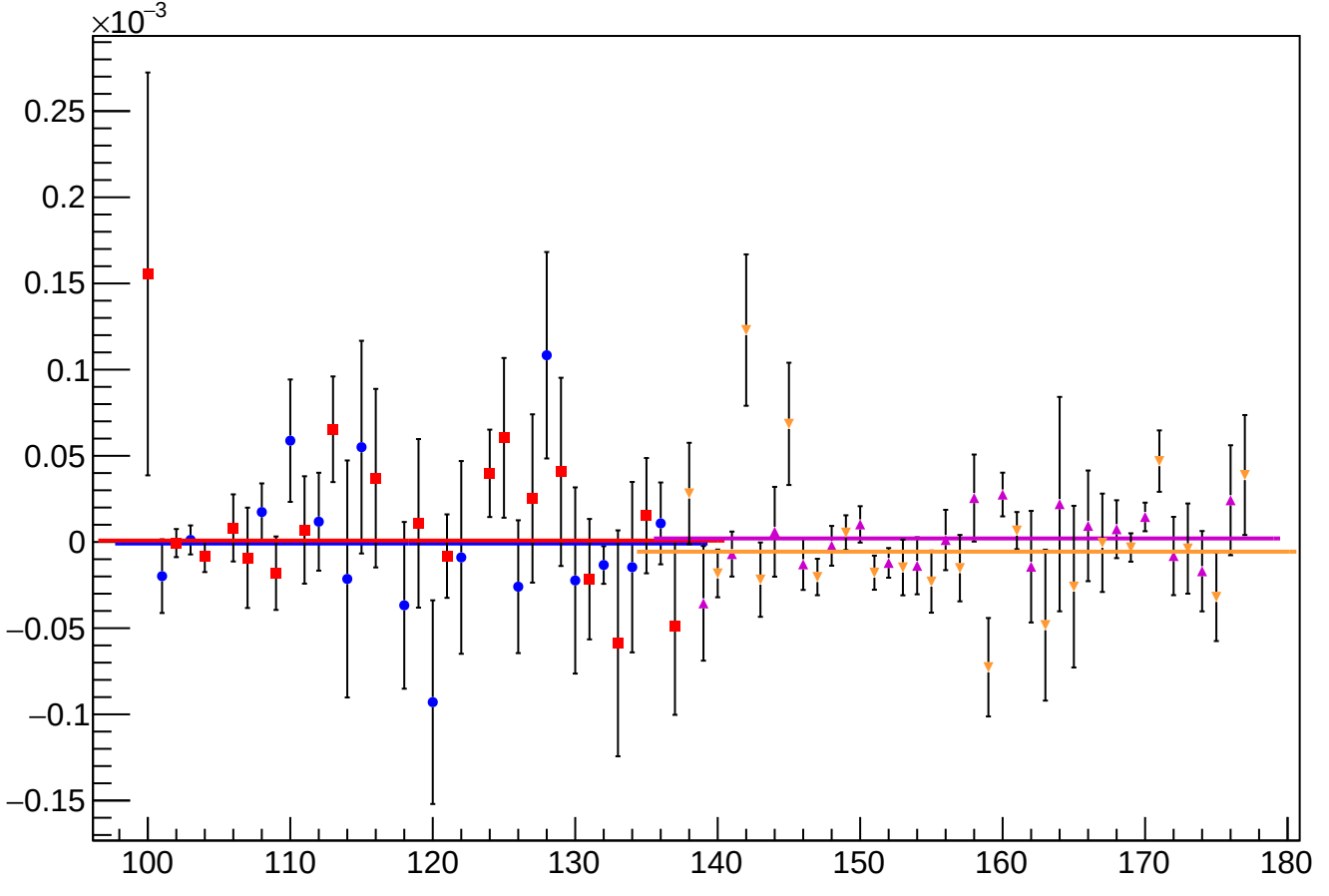
Left: 570.319+/-0.075 χ^2/NDF: 5129218.1/39

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 410.640+/-0.067 χ^2/NDF:6222063.2/34

Out: 393.873+/-0.065 χ^2/NDF:9954391.2/39

All: 402.097+/-0.047 χ^2/NDF: 16208632.8/74



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:41.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:16.2/18

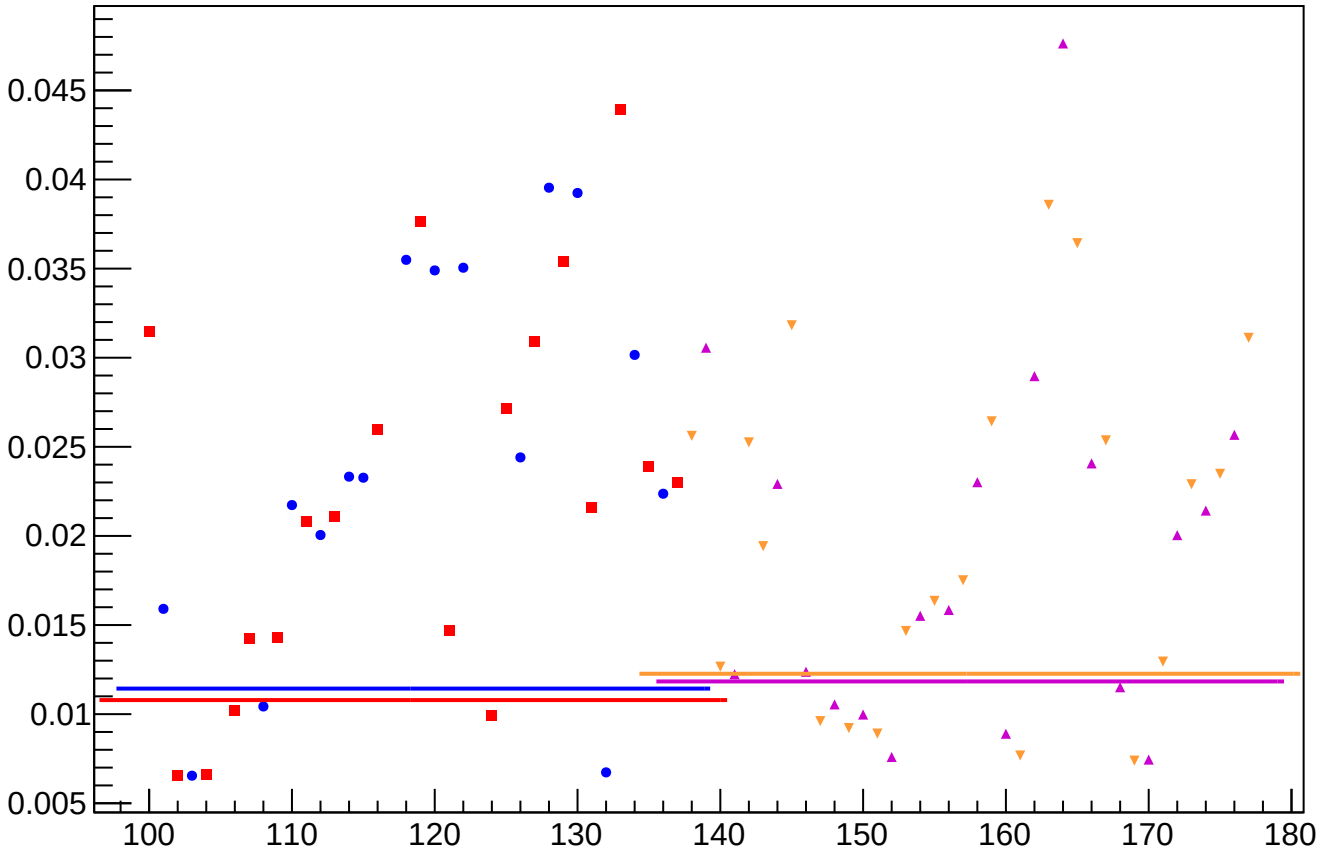
Left: -0.000+/-0.000 χ^2/NDF: 59.9/39

Right: 0.000+/-0.000 χ^2/NDF: 30.7/34

In: 0.000+/-0.000 χ^2/NDF:30.9/34

Out: -0.000+/-0.000 χ^2/NDF:58.5/39

All: -0.000+/-0.000 χ^2/NDF: 90.7/74



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:6786061.6/20

Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

Left In: 0.012+/-0.000 χ^2/NDF:5326412.5/18

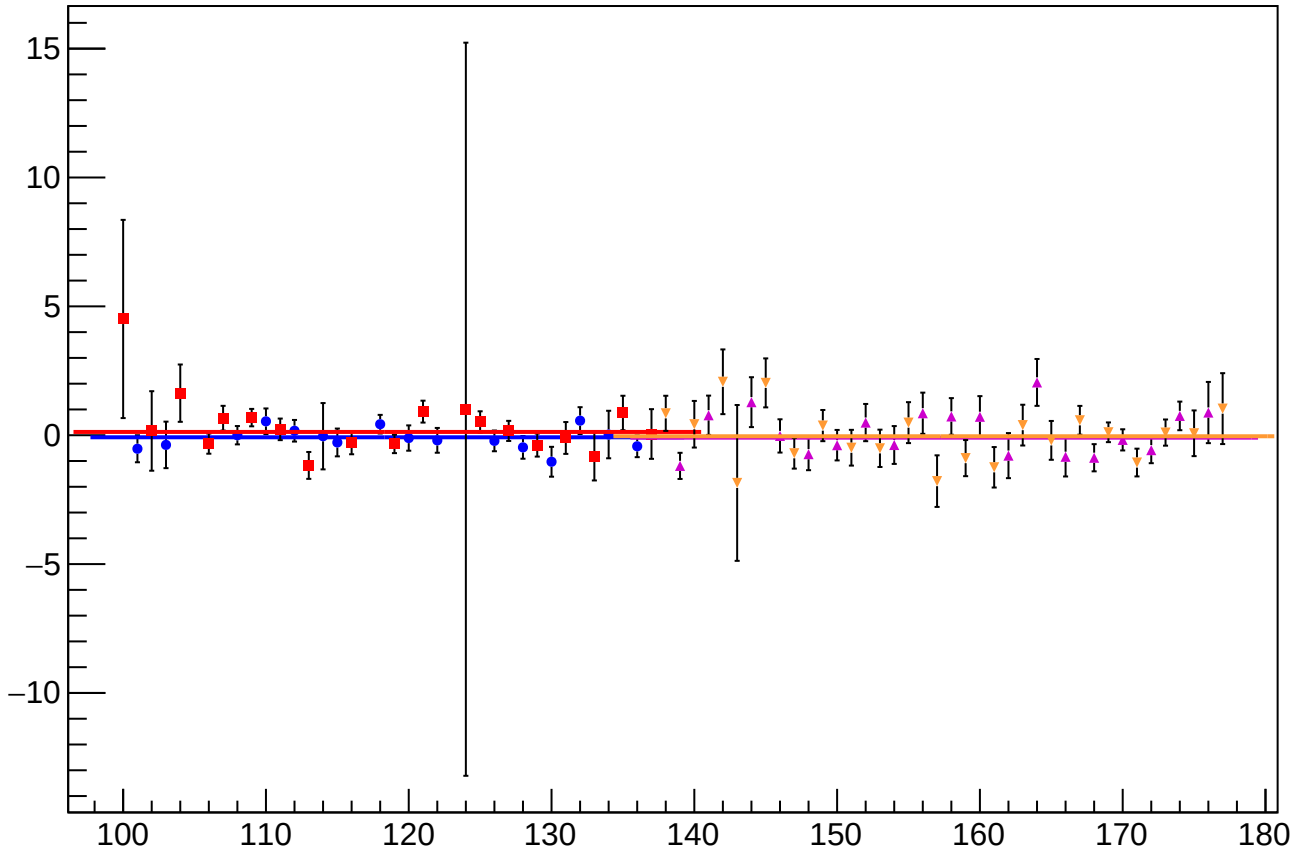
Left: 0.012+/-0.000 χ^2/NDF: 12127822.3/39

Right: 0.011+/-0.000 χ^2/NDF: 9189725.1/34

In: 0.012+/-0.000 χ^2/NDF:10034288.8/34

Out: 0.012+/-0.000 χ^2/NDF:11382378.3/39

All: 0.012+/-0.000 χ^2/NDF: 21416935.6/74



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.040+/-0.152 χ^2/NDF:25.7/20

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.094+/-0.149 χ^2/NDF:27.1/18

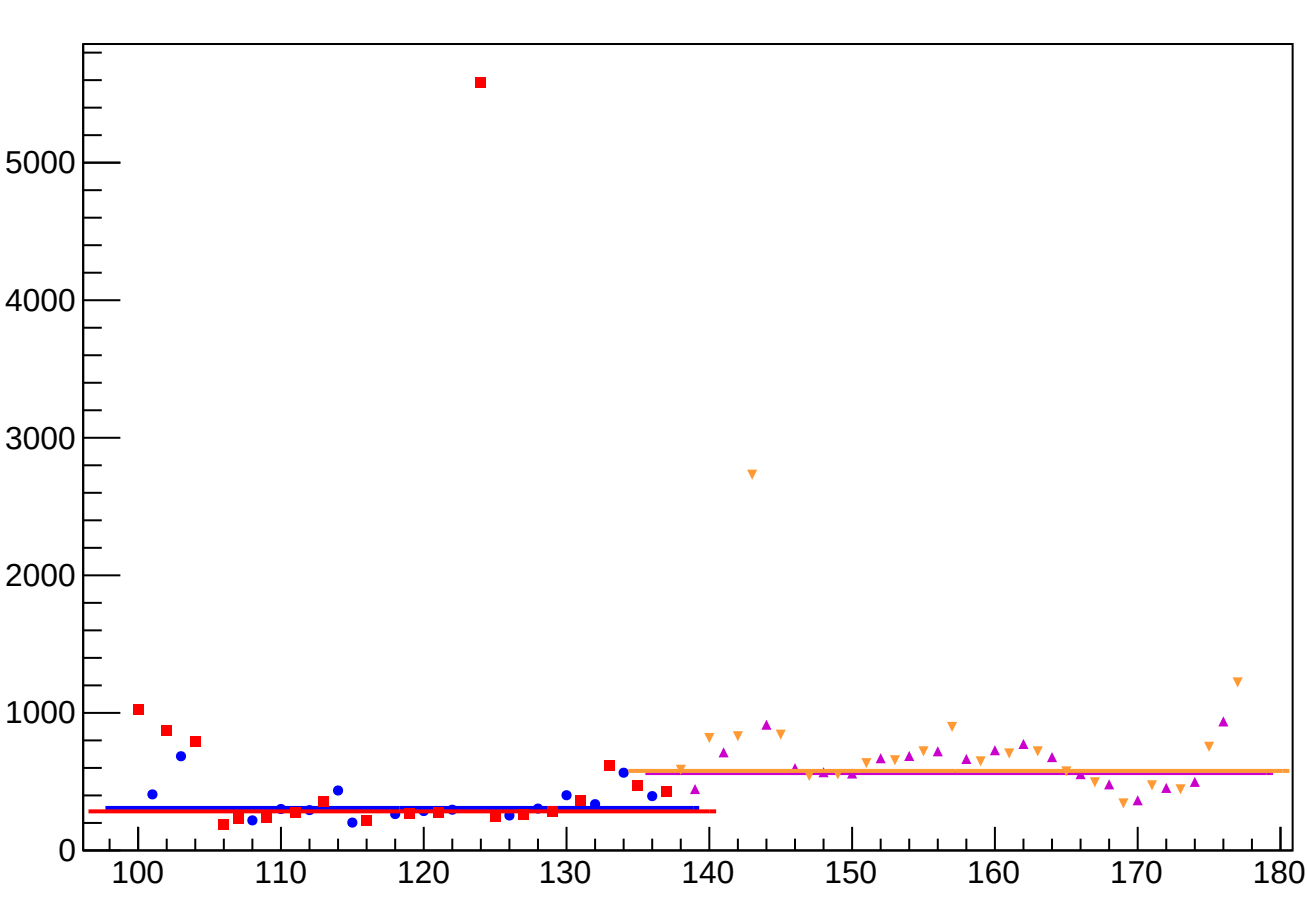
Left: -0.068+/-0.106 χ^2/NDF: 52.9/39

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.086+/-0.094 χ^2/NDF:37.9/34

Out: 0.065+/-0.093 χ^2/NDF:51.8/39

All: -0.009+/-0.066 χ^2/NDF: 91.0/74



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 578.265+/-0.107 χ^2/NDF:3378271.7/20

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 562.635+/-0.105 χ^2/NDF:1740395.7/18

Left: 570.321+/-0.075 χ^2/NDF: 5129476.0/39

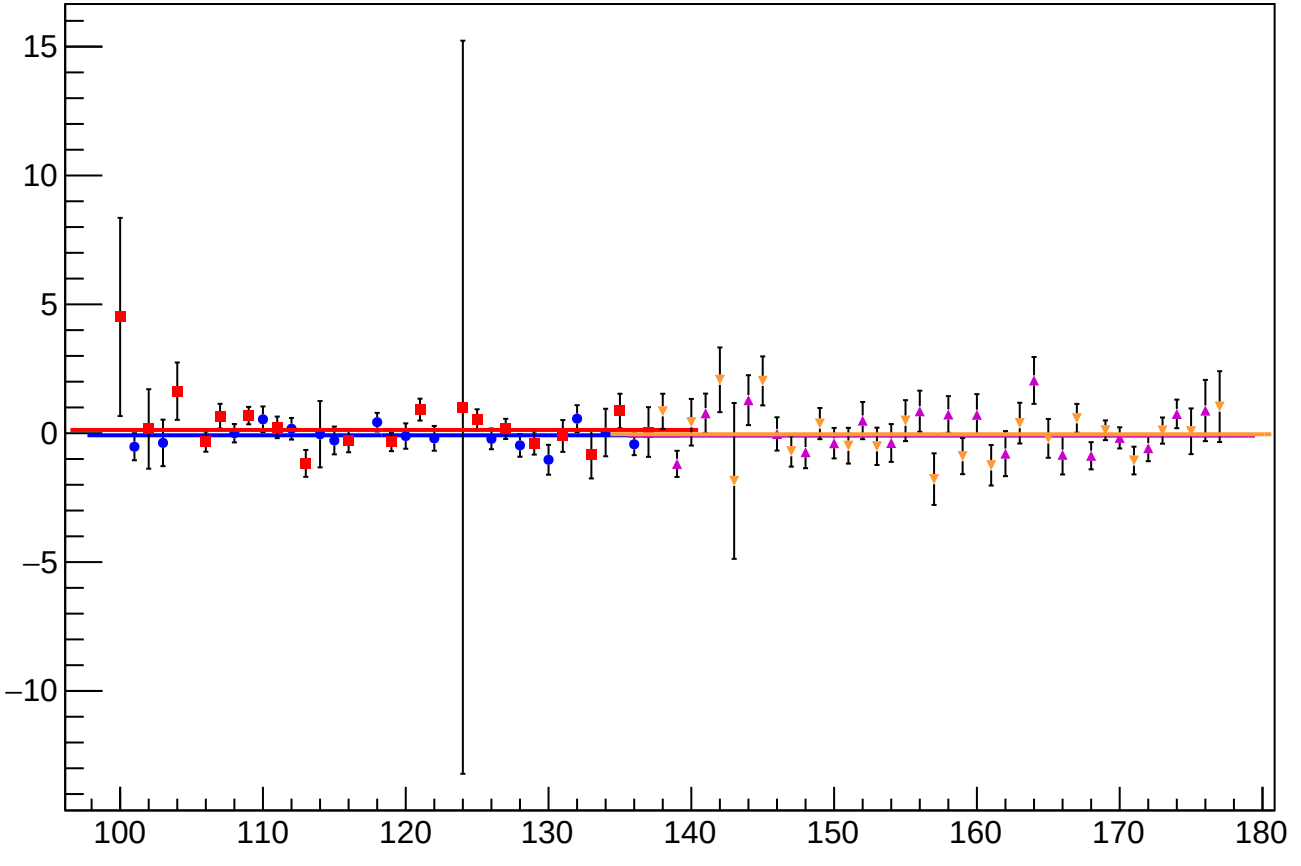
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 410.639+/-0.067 χ^2/NDF:6222201.6/34

Out: 393.872+/-0.065 χ^2/NDF:9954551.5/39

All: 402.096+/-0.047 χ^2/NDF: 16208933.9/74

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: -0.040+/-0.152 χ^2/NDF:25.7/20

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.094+/-0.149 χ^2/NDF:27.1/18

Left: -0.068+/-0.106 χ^2/NDF: 52.9/39

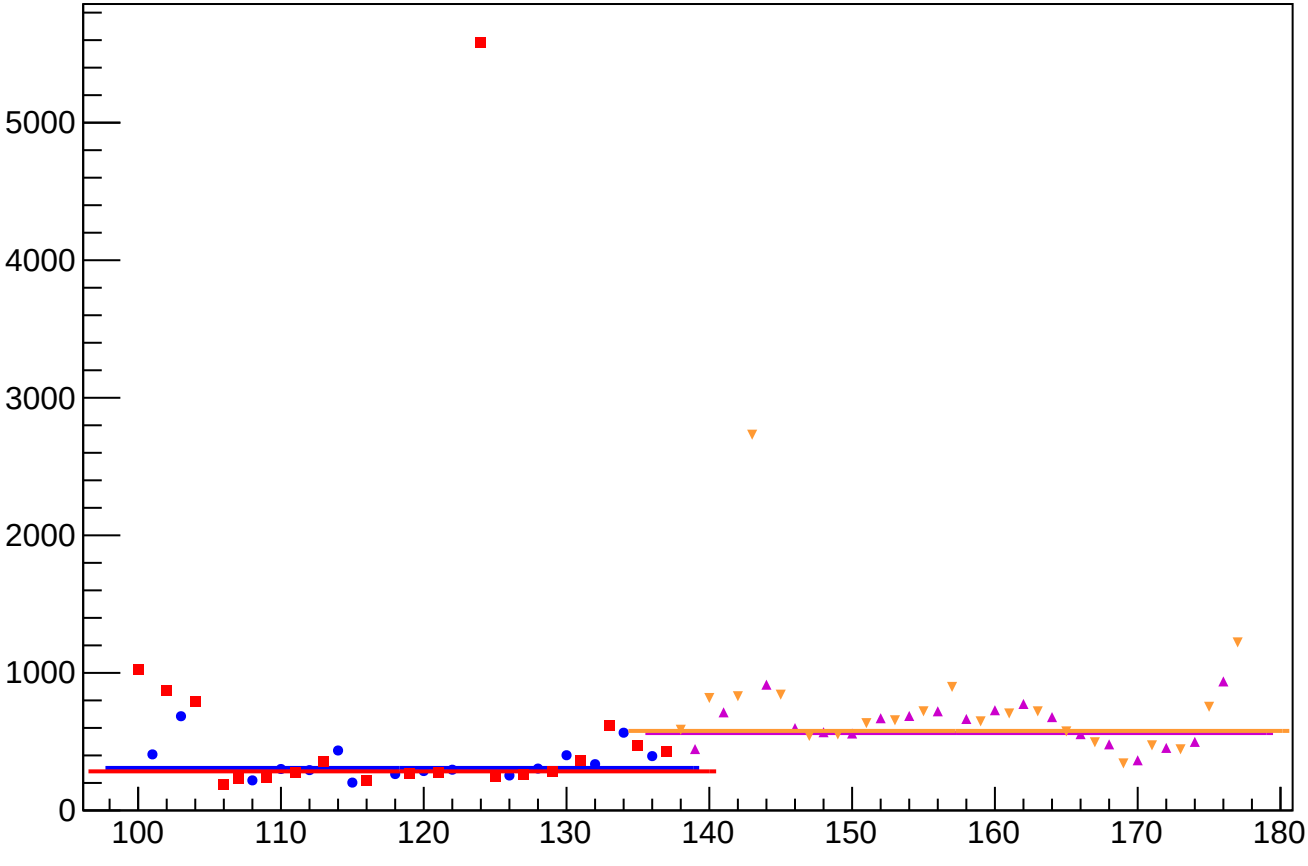
Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.086+/-0.094 χ^2/NDF:37.9/34

Out: 0.065+/-0.093 χ^2/NDF:51.8/39

All: -0.009+/-0.066 χ^2/NDF: 91.0/74

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 578.265+/-0.107 χ^2/NDF:3378271.7/20

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 562.635+/-0.105 χ^2/NDF:1740395.7/18

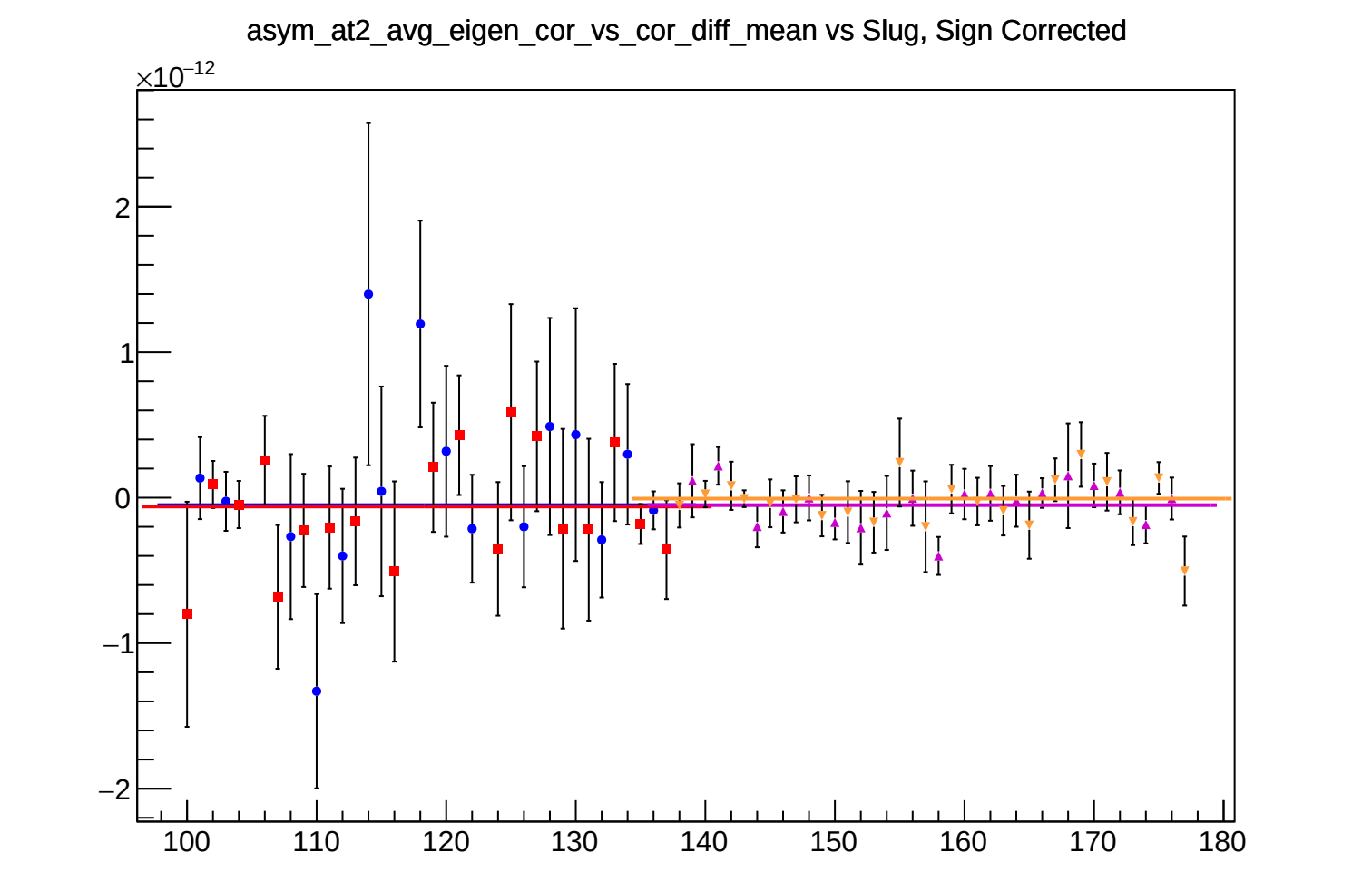
Left: 570.321+/-0.075 χ^2/NDF: 5129476.0/39

Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 410.639+/-0.067 χ^2/NDF:6222201.6/34

Out: 393.872+/-0.065 χ^2/NDF:9954551.5/39

All: 402.096+/-0.047 χ^2/NDF: 16208933.9/74



Right In: -0.000+/-0.000 χ^2/NDF: 12.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.1/20

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: -0.000+/-0.000 χ^2/NDF:18.4/18

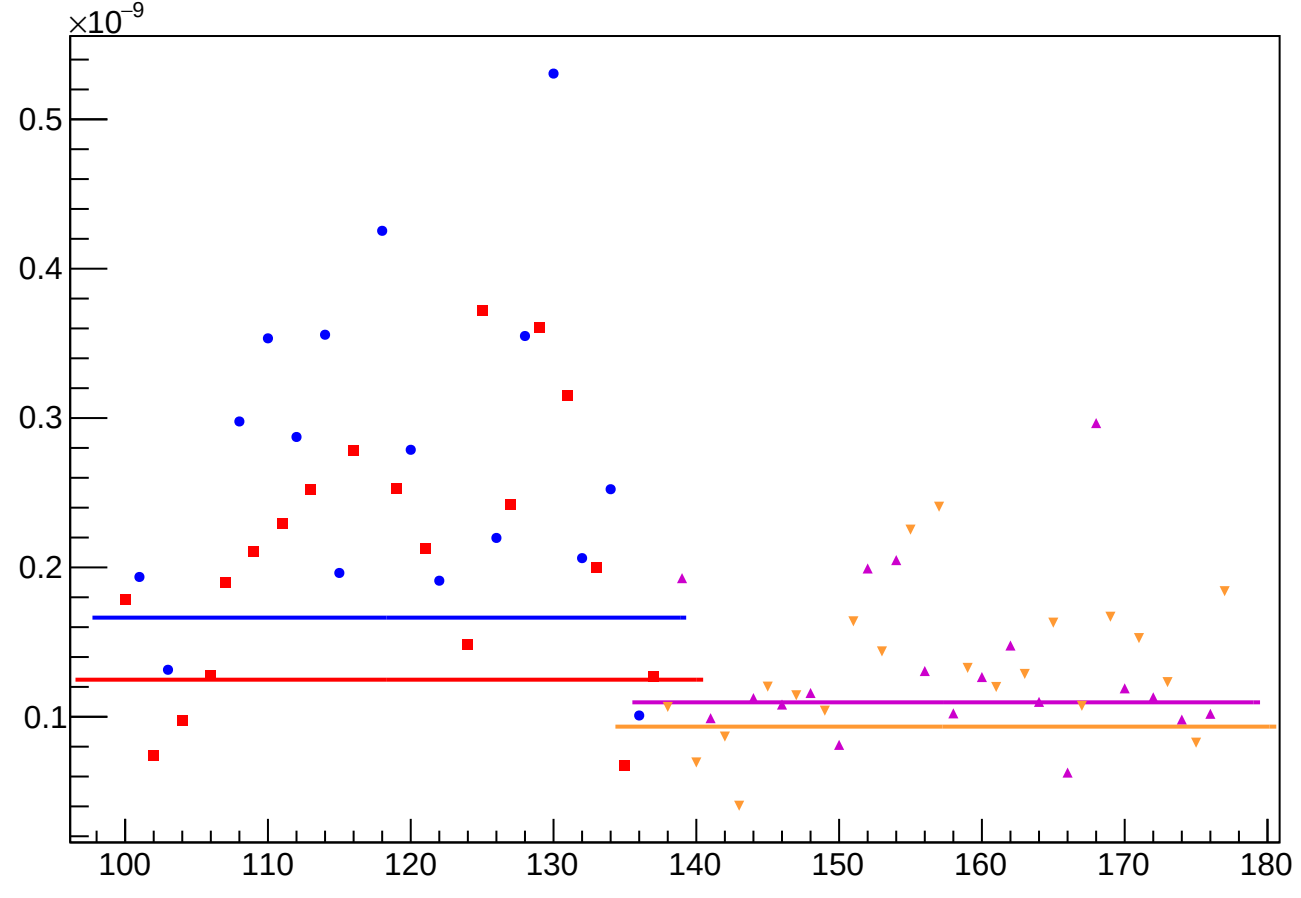
Left: -0.000+/-0.000 χ^2/NDF: 33.5/39

Right: -0.000+/-0.000 χ^2/NDF: 23.4/34

In: -0.000+/-0.000 χ^2/NDF:30.4/34

Out: -0.000+/-0.000 χ^2/NDF:26.1/39

All: -0.000+/-0.000 χ^2/NDF: 57.1/74



Right In: 0.000+/-0.000 χ^2/NDF: 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:4338138.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2209554.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2016543.6/18

Left: 0.000+/-0.000 χ^2/NDF: 6595207.1/39

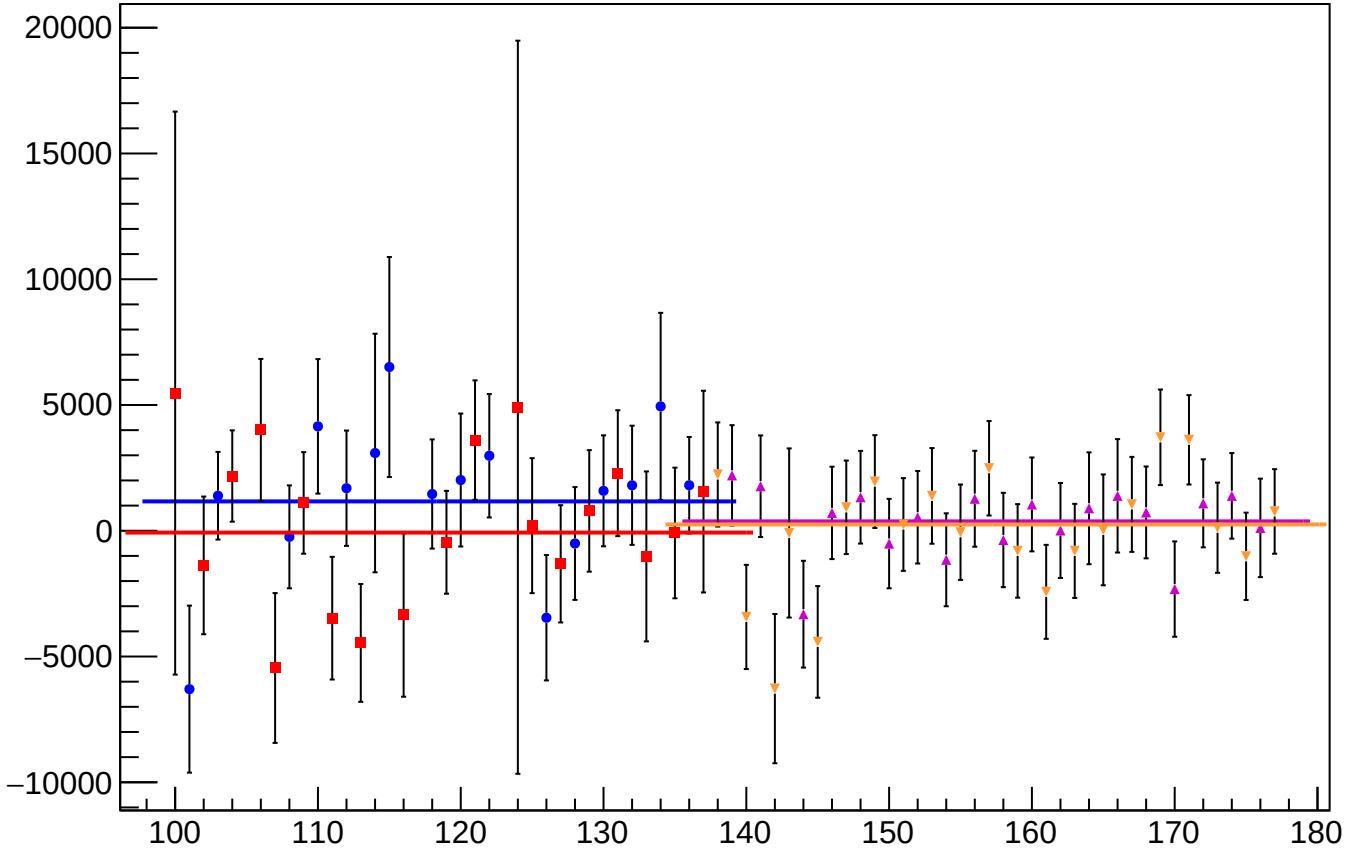
Right: 0.000+/-0.000 χ^2/NDF: 4480530.9/34

In: 0.000+/-0.000 χ^2/NDF:4767546.7/34

Out: 0.000+/-0.000 χ^2/NDF:6885158.6/39

All: 0.000+/-0.000 χ^2/NDF: 12067356.8/74

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: 250.862+/-425.405 χ^2/NDF:26.6/20

Right Out: -72.181+/-603.362 χ^2/NDF: 18.3/18

Left In: 372.540+/-436.383 χ^2/NDF:9.0/18

Left: 310.151+/-304.614 χ^2/NDF: 35.6/39

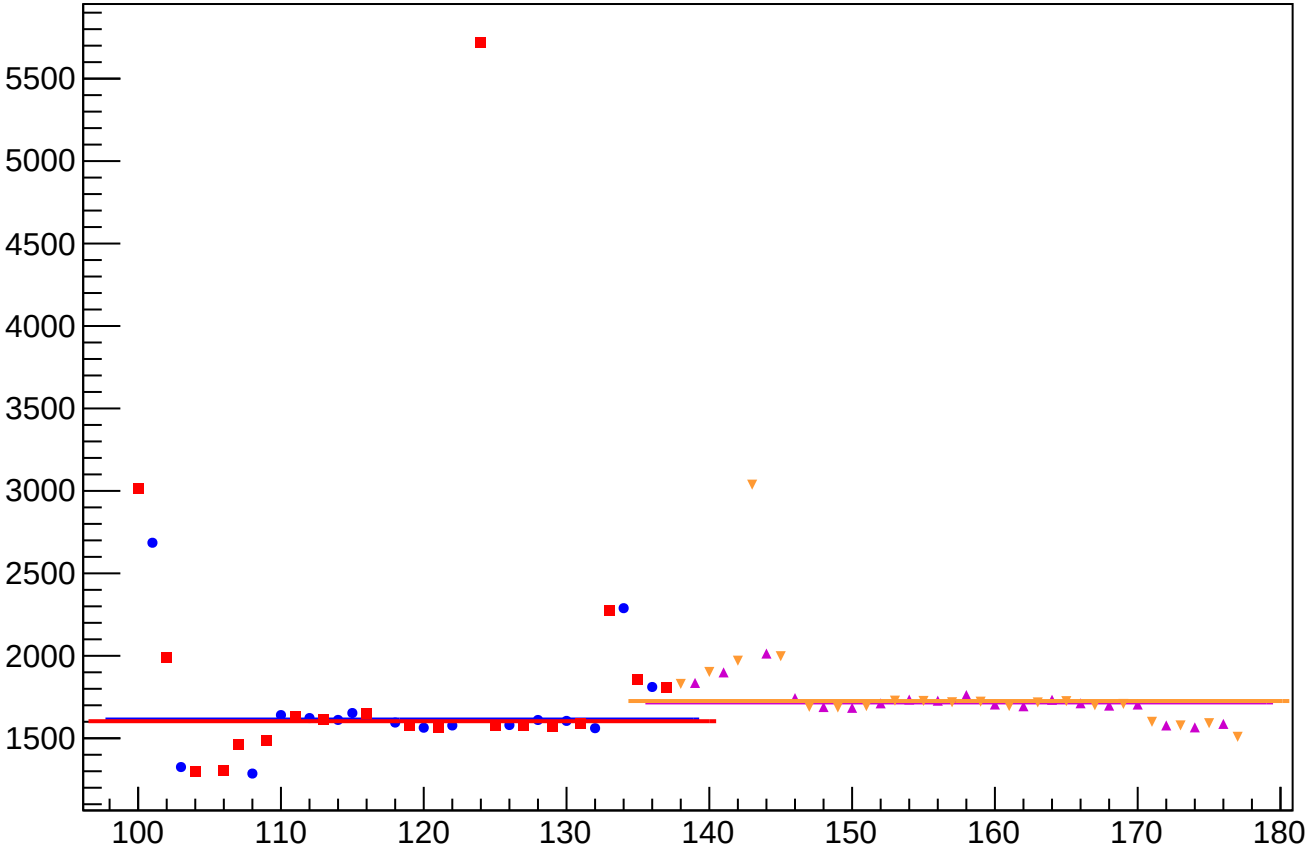
Right: 541.404+/-428.680 χ^2/NDF: 34.8/34

In: 641.921+/-354.752 χ^2/NDF:24.5/34

Out: 143.597+/-347.677 χ^2/NDF:45.0/39

All: 387.740+/-248.308 χ^2/NDF: 70.6/74

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1725.770+/-0.301 χ^2/NDF:439954.1/20

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

Left In: 1717.295+/-0.309 χ^2/NDF:103410.7/18

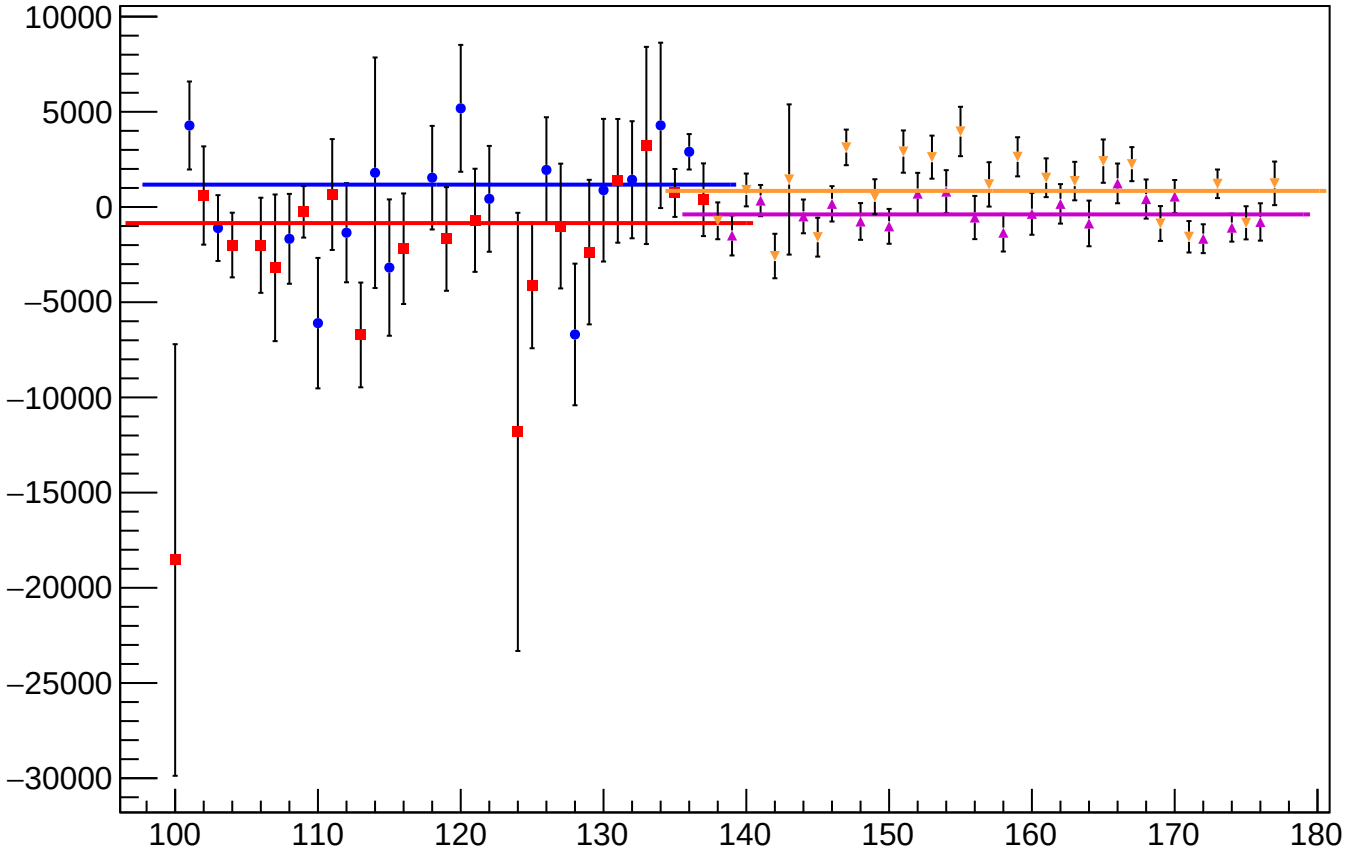
Left: 1721.641+/-0.215 χ^2/NDF: 543751.6/39

Right: 1608.520+/-0.303 χ^2/NDF: 830765.6/34

In: 1682.154+/-0.251 χ^2/NDF:546343.5/34

Out: 1685.159+/-0.246 χ^2/NDF:920640.5/39

All: 1683.687+/-0.176 χ^2/NDF: 1467057.2/74



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 846.807+/-218.945 χ^2/NDF:59.0/20

Right Out: -843.857+/-557.438 χ^2/NDF: 14.3/18

Left In: -388.113+/-219.273 χ^2/NDF:14.5/18

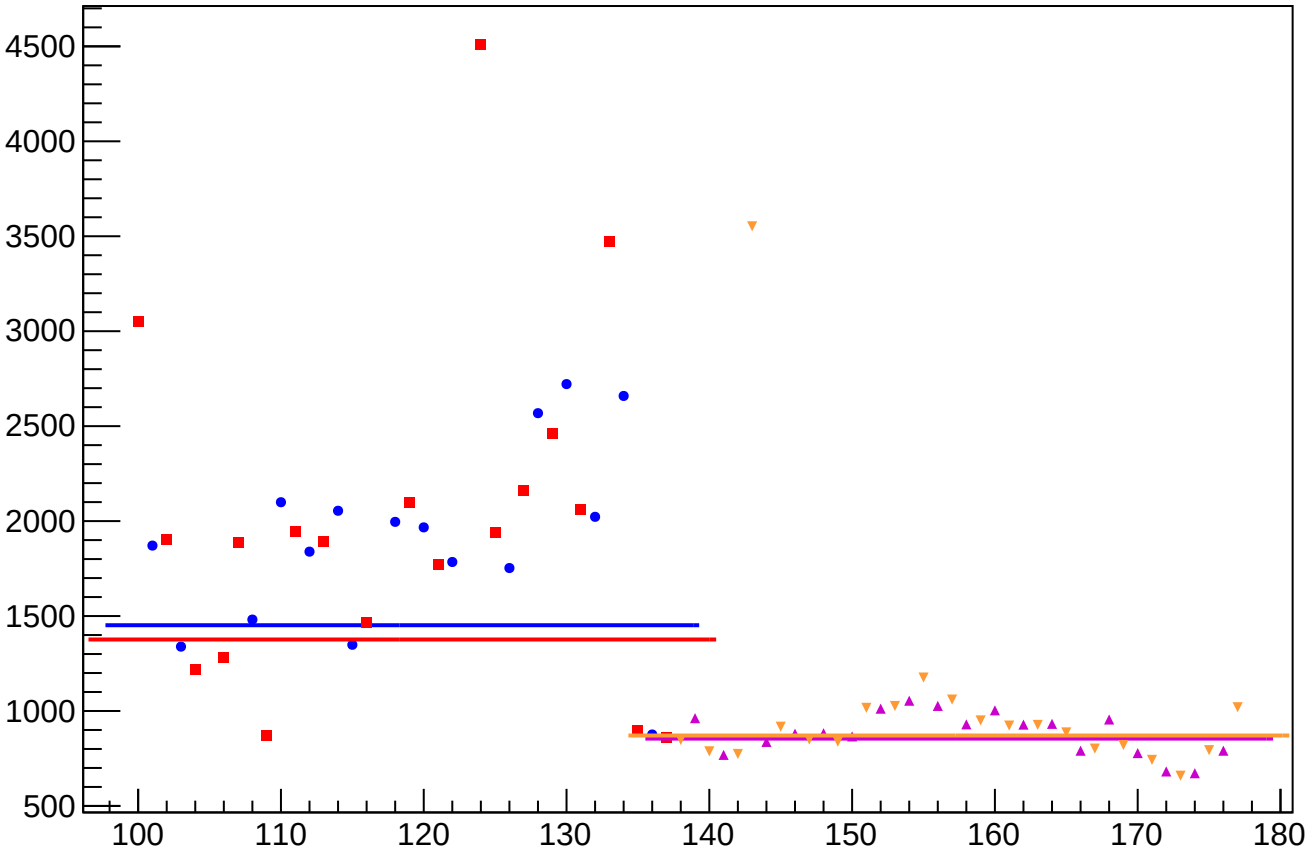
Left: 230.272+/-154.933 χ^2/NDF: 89.4/39

Right: 127.404+/-401.596 χ^2/NDF: 42.6/34

In: -192.026+/-205.063 χ^2/NDF:42.9/34

Out: 620.851+/-203.789 χ^2/NDF:81.2/39

All: 216.945+/-144.549 χ^2/NDF: 132.0/74



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 870.919+/-0.155 χ^2/NDF:1499363.5/20

Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

Left In: 854.584+/-0.155 χ^2/NDF:542461.8/18

Left: 862.764+/-0.110 χ^2/NDF: 2047383.0/39

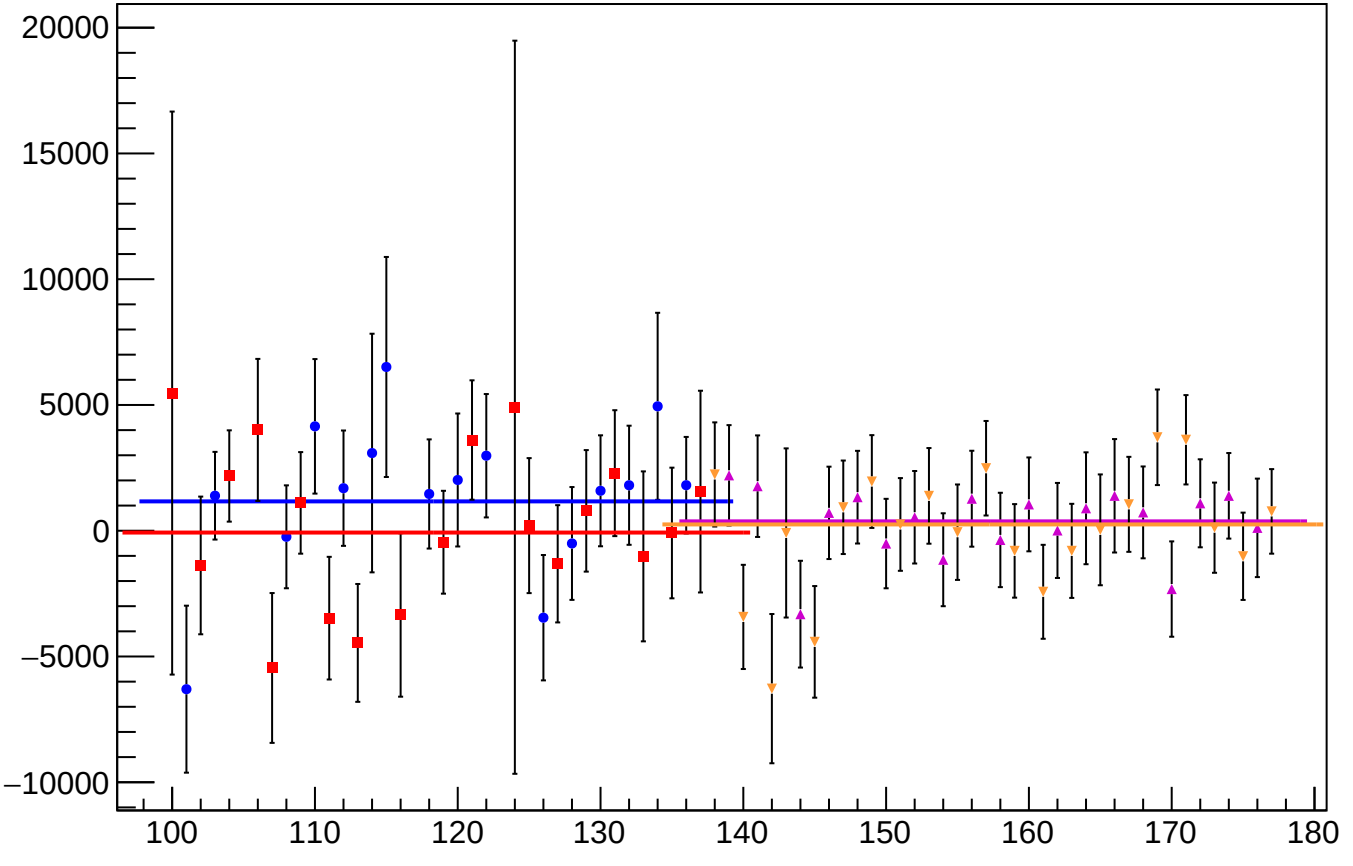
Right: 1412.621+/-0.284 χ^2/NDF: 3940379.2/34

In: 929.459+/-0.145 χ^2/NDF:4192825.2/34

Out: 938.486+/-0.144 χ^2/NDF:5056560.9/39

All: 934.000+/-0.102 χ^2/NDF: 9251336.1/74

cor_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: 250.817+/-425.405 χ^2/NDF:26.6/20

Right Out: -72.499+/-603.362 χ^2/NDF: 18.3/18

Left In: 372.451+/-436.383 χ^2/NDF:9.0/18

Left: 310.085+/-304.614 χ^2/NDF: 35.6/39

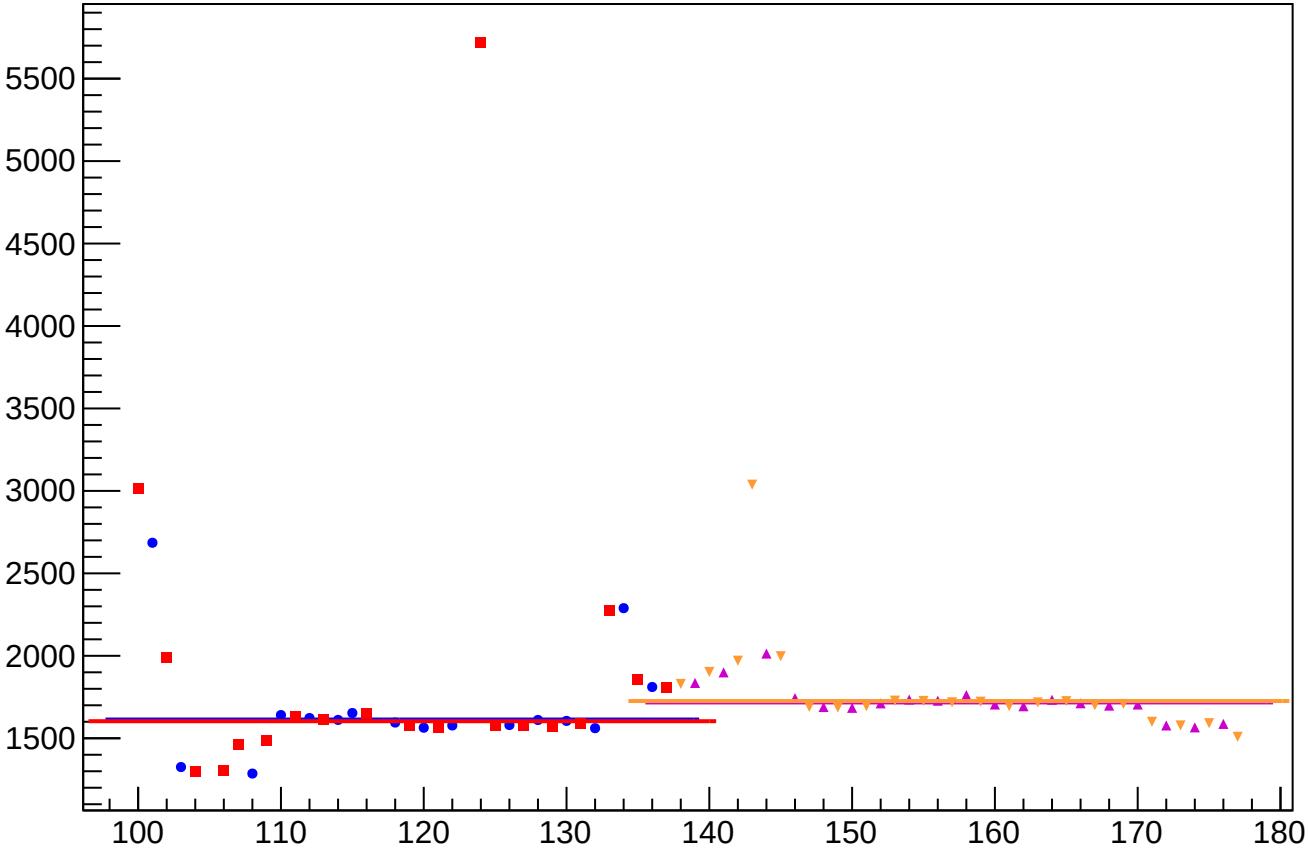
Right: 541.197+/-428.680 χ^2/NDF: 34.8/34

In: 641.831+/-354.752 χ^2/NDF:24.5/34

Out: 143.461+/-347.677 χ^2/NDF:45.0/39

All: 387.627+/-248.308 χ^2/NDF: 70.6/74

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1725.770+/-0.301 χ^2/NDF:439954.1/20

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1717.295+/-0.309 χ^2/NDF:103410.7/18

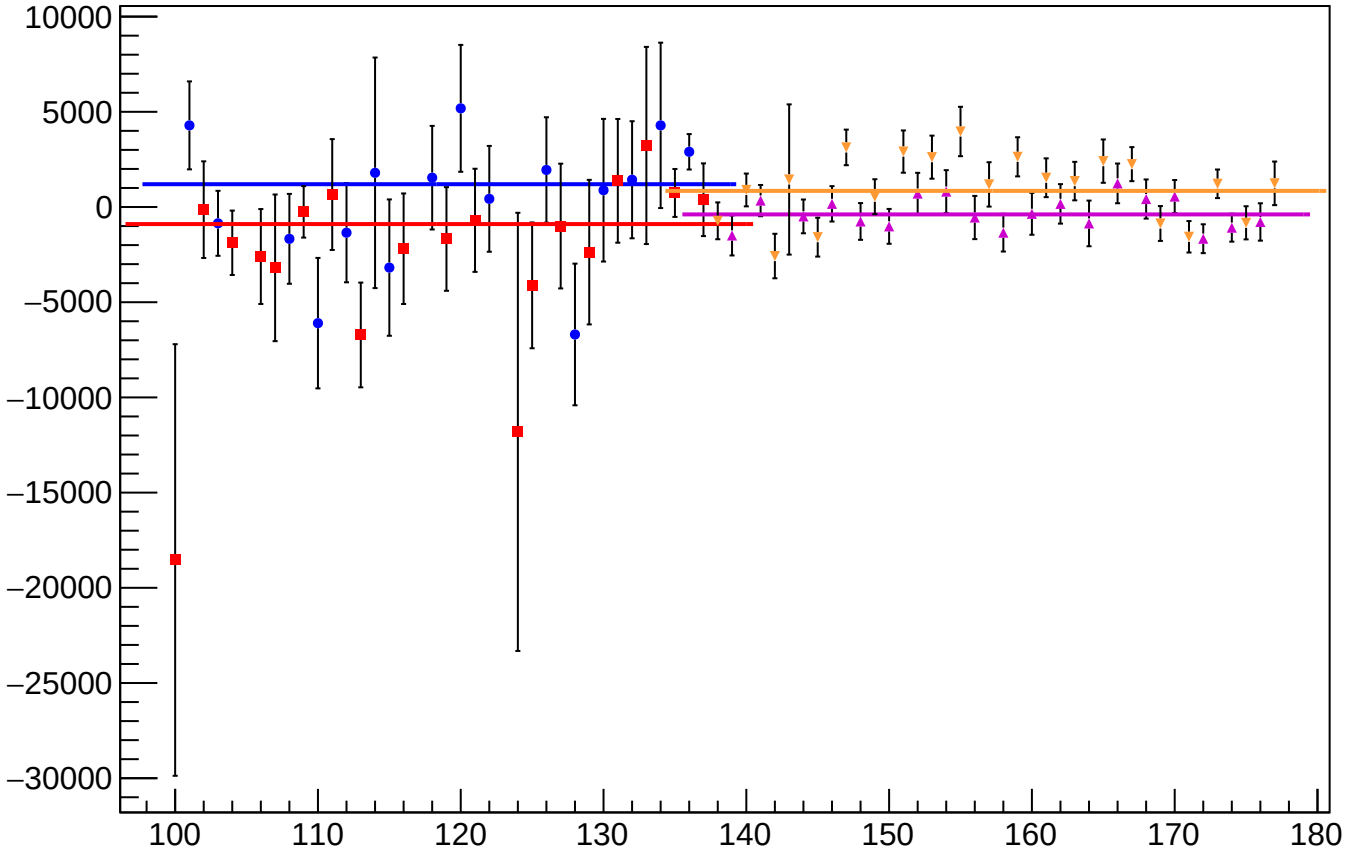
Left: 1721.641+/-0.215 χ^2/NDF: 543751.5/39

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1682.154+/-0.251 χ^2/NDF:546343.9/34

Out: 1685.159+/-0.246 χ^2/NDF:920640.7/39

All: 1683.687+/-0.176 χ^2/NDF: 1467057.7/74



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 846.881+/-218.947 χ^2/NDF:59.0/20

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -388.095+/-219.273 χ^2/NDF:14.5/18

Left: 230.312+/-154.934 χ^2/NDF: 89.4/39

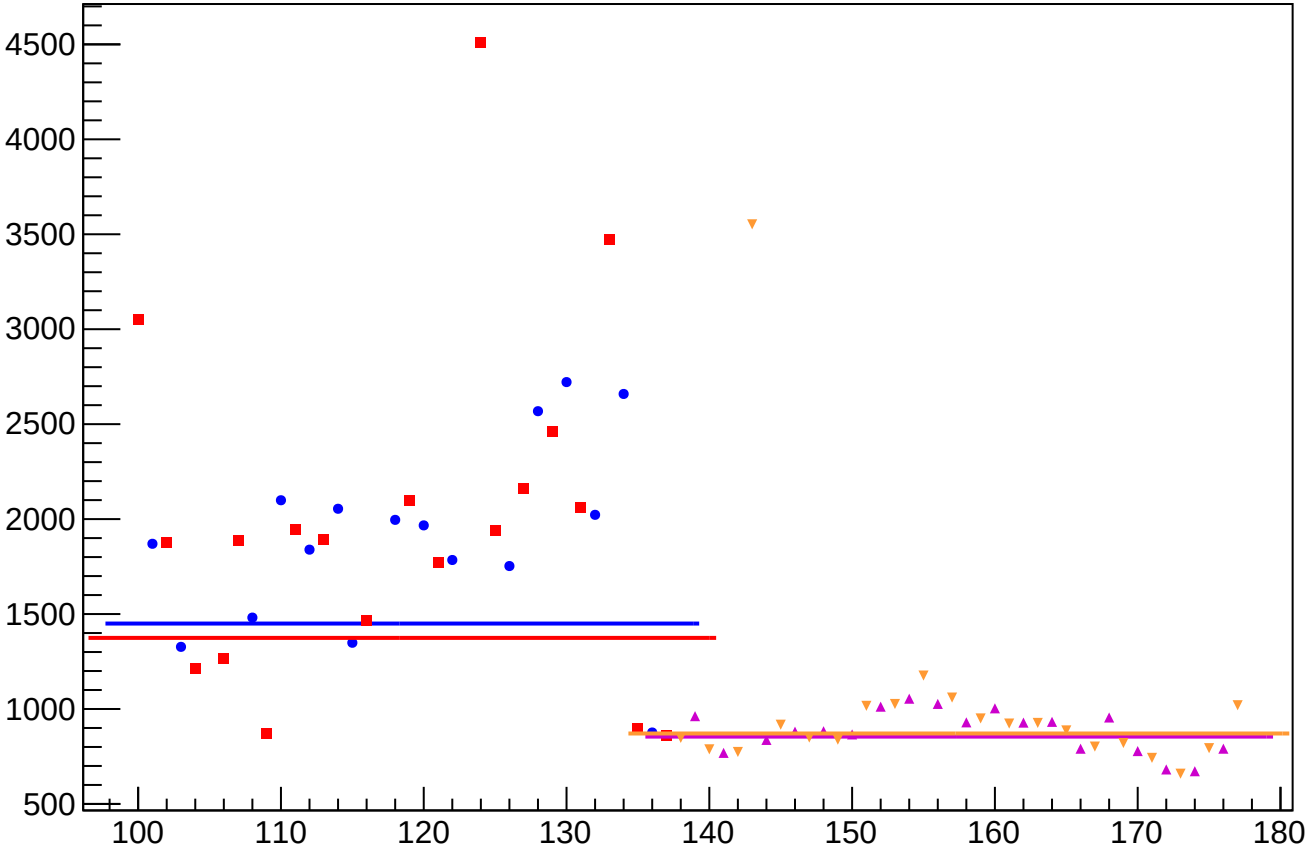
Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: -188.649+/-205.026 χ^2/NDF:42.8/34

Out: 613.454+/-203.753 χ^2/NDF:81.7/39

All: 214.901+/-144.523 χ^2/NDF: 132.2/74

asym_at2_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 870.929+/-0.155 χ^2/NDF:1499285.5/20

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 854.585+/-0.155 χ^2/NDF:542473.8/18

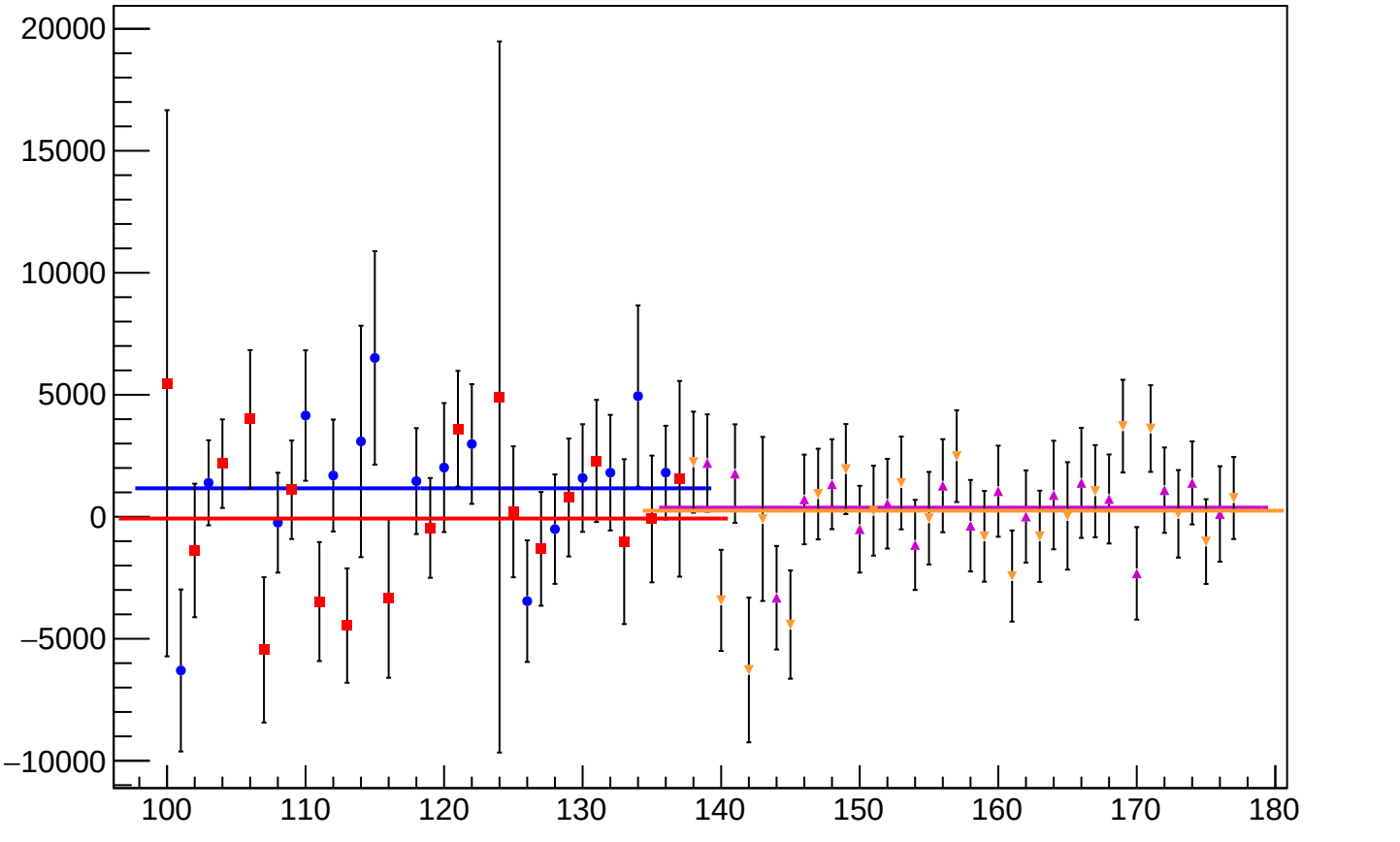
Left: 862.769+/-0.110 χ^2/NDF: 2047323.4/39

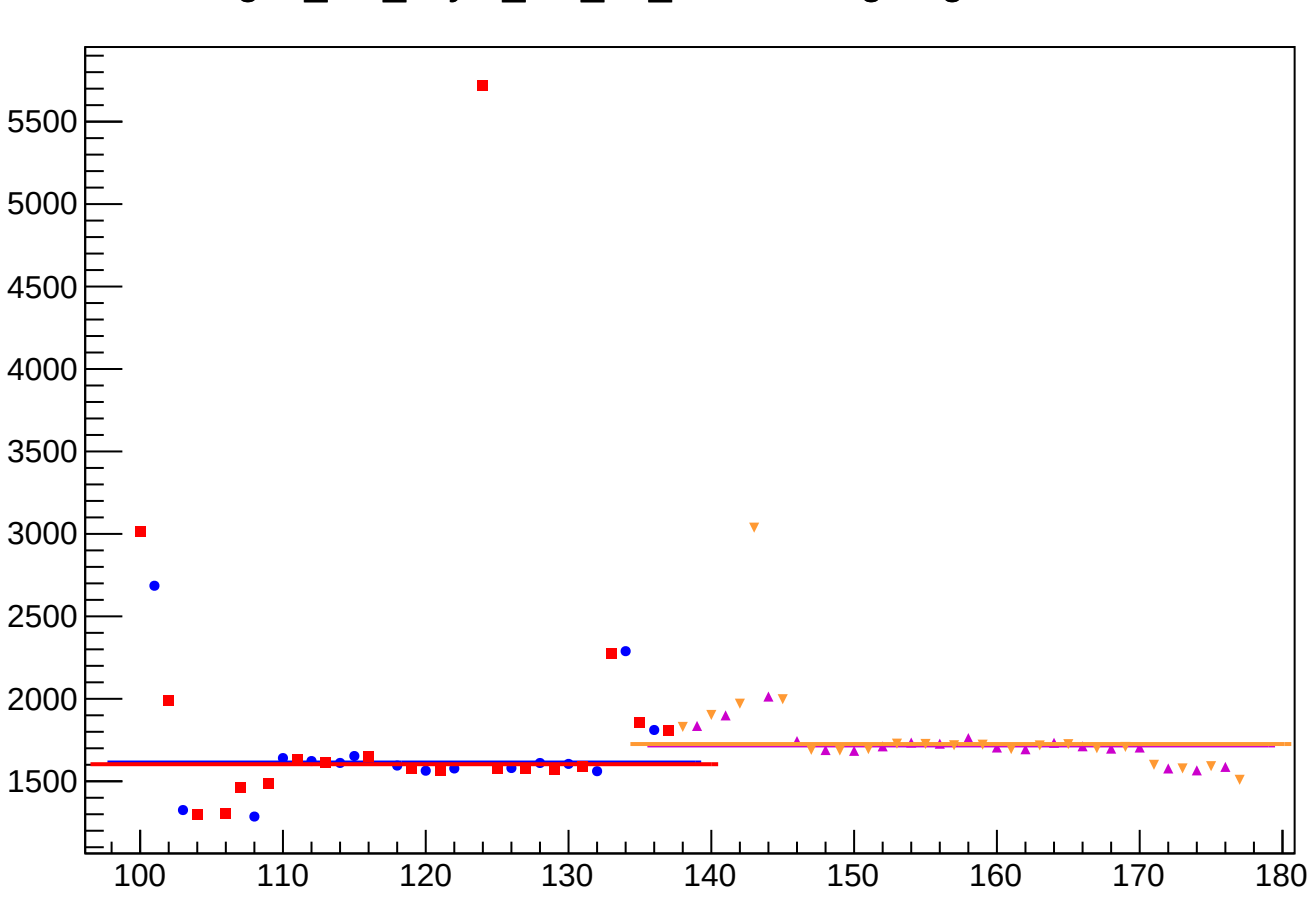
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 929.432+/-0.145 χ^2/NDF:4188738.1/34

Out: 938.386+/-0.144 χ^2/NDF:5044031.3/39

All: 933.937+/-0.102 χ^2/NDF: 9234688.2/74


eigen_cor_asym_at2_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: 1166.769+/-609.171 χ²/NDF: 14.4/15
Left Out: 250.817+/-425.405 χ²/NDF:26.6/20
Right Out: -72.499+/-603.362 χ²/NDF: 18.3/18
Left In: 372.451+/-436.383 χ²/NDF:9.0/18
Left: 310.085+/-304.614 χ²/NDF: 35.6/39
Right: 541.197+/-428.680 χ²/NDF: 34.8/34
In: 641.831+/-354.752 χ²/NDF:24.5/34
Out: 143.461+/-347.677 χ²/NDF:45.0/39
All: 387.627+/-248.308 χ²/NDF: 70.6/74



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1725.770+/-0.301 χ^2/NDF:439954.1/20

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1717.295+/-0.309 χ^2/NDF:103410.7/18

Left: 1721.641+/-0.215 χ^2/NDF: 543751.5/39

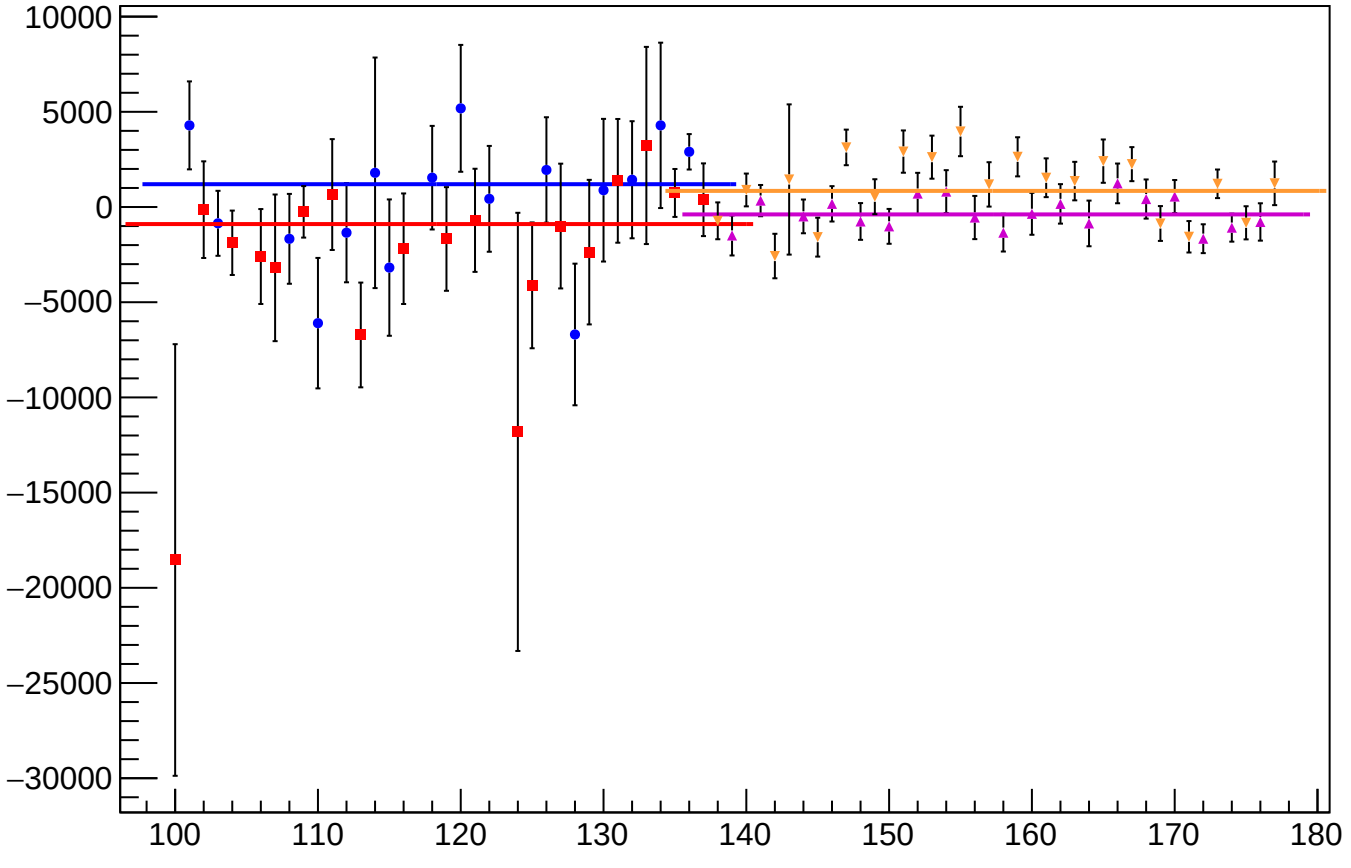
Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1682.154+/-0.251 χ^2/NDF:546343.9/34

Out: 1685.159+/-0.246 χ^2/NDF:920640.7/39

All: 1683.687+/-0.176 χ^2/NDF: 1467057.7/74

asym_at2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 846.881+/-218.947 χ^2/NDF:59.0/20

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -388.095+/-219.273 χ^2/NDF:14.5/18

Left: 230.312+/-154.934 χ^2/NDF: 89.4/39

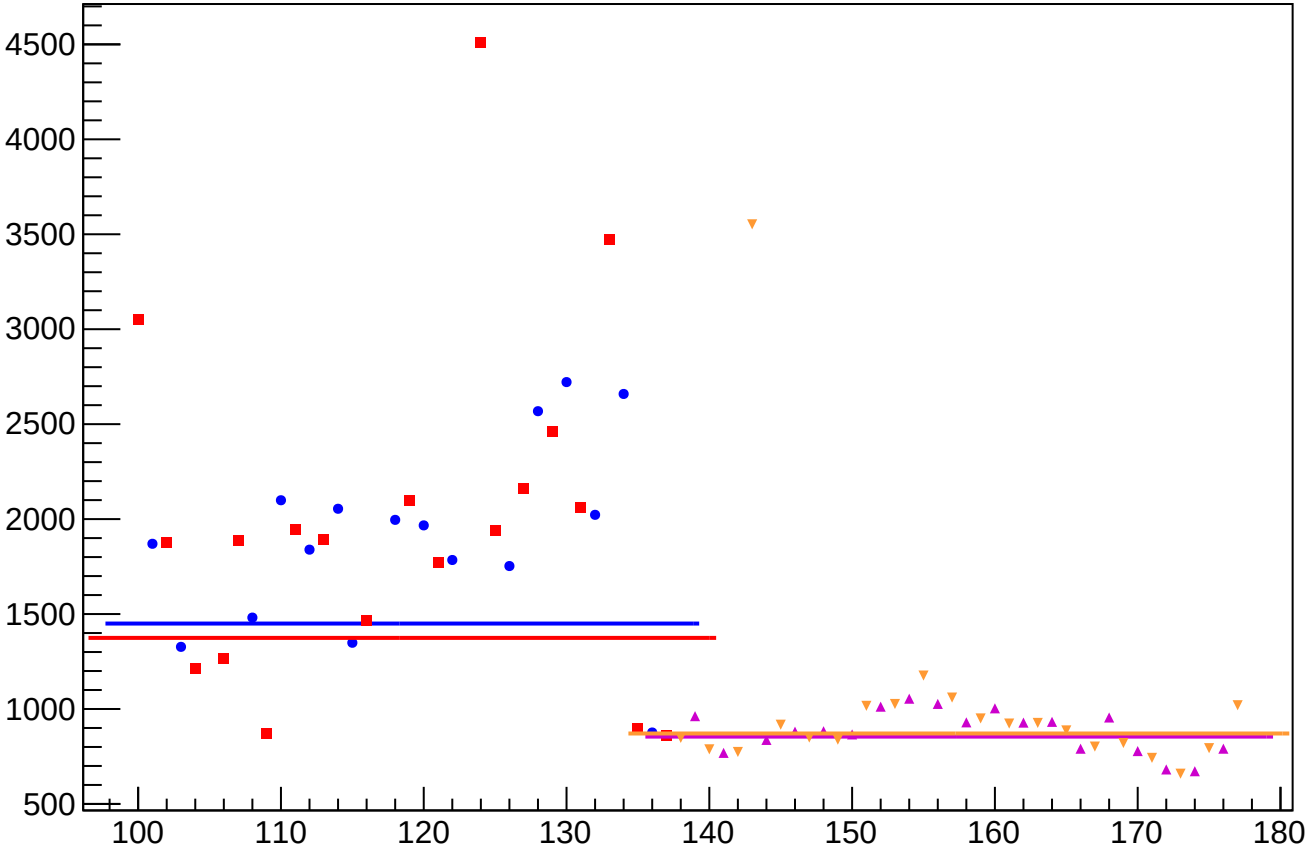
Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: -188.649+/-205.026 χ^2/NDF:42.8/34

Out: 613.454+/-203.753 χ^2/NDF:81.7/39

All: 214.901+/-144.523 χ^2/NDF: 132.2/74

asym_at2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 870.929+/-0.155 χ^2/NDF:1499285.5/20

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 854.585+/-0.155 χ^2/NDF:542473.8/18

Left: 862.769+/-0.110 χ^2/NDF: 2047323.4/39

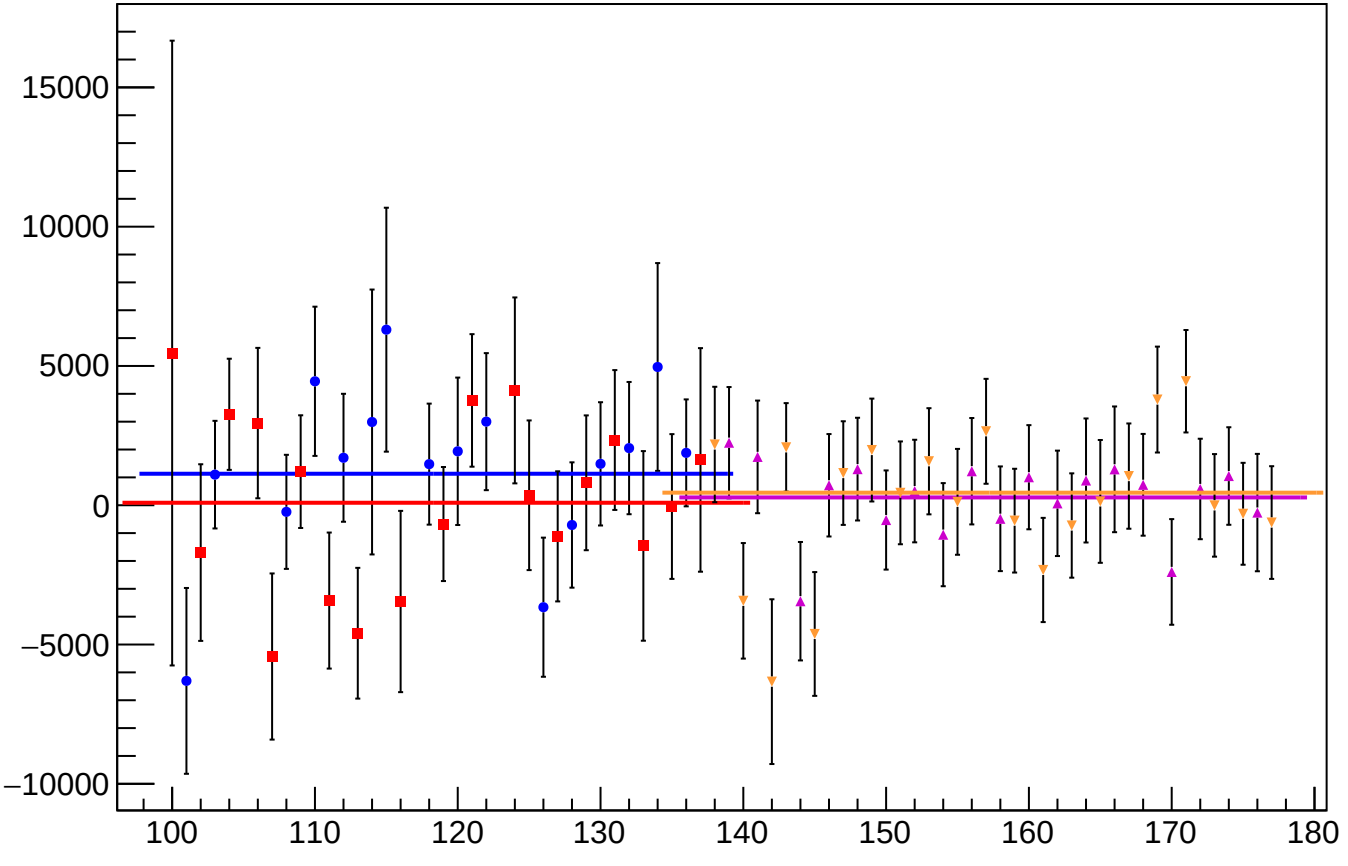
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 929.432+/-0.145 χ^2/NDF:4188738.1/34

Out: 938.386+/-0.144 χ^2/NDF:5044031.3/39

All: 933.937+/-0.102 χ^2/NDF: 9234688.2/74

dit_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: 451.532+/-420.881 χ^2/NDF:29.7/20

Right Out: 89.220+/-603.072 χ^2/NDF: 20.7/18

Left In: 280.019+/-439.928 χ^2/NDF:8.8/18

Left: 369.569+/-304.118 χ^2/NDF: 38.6/39

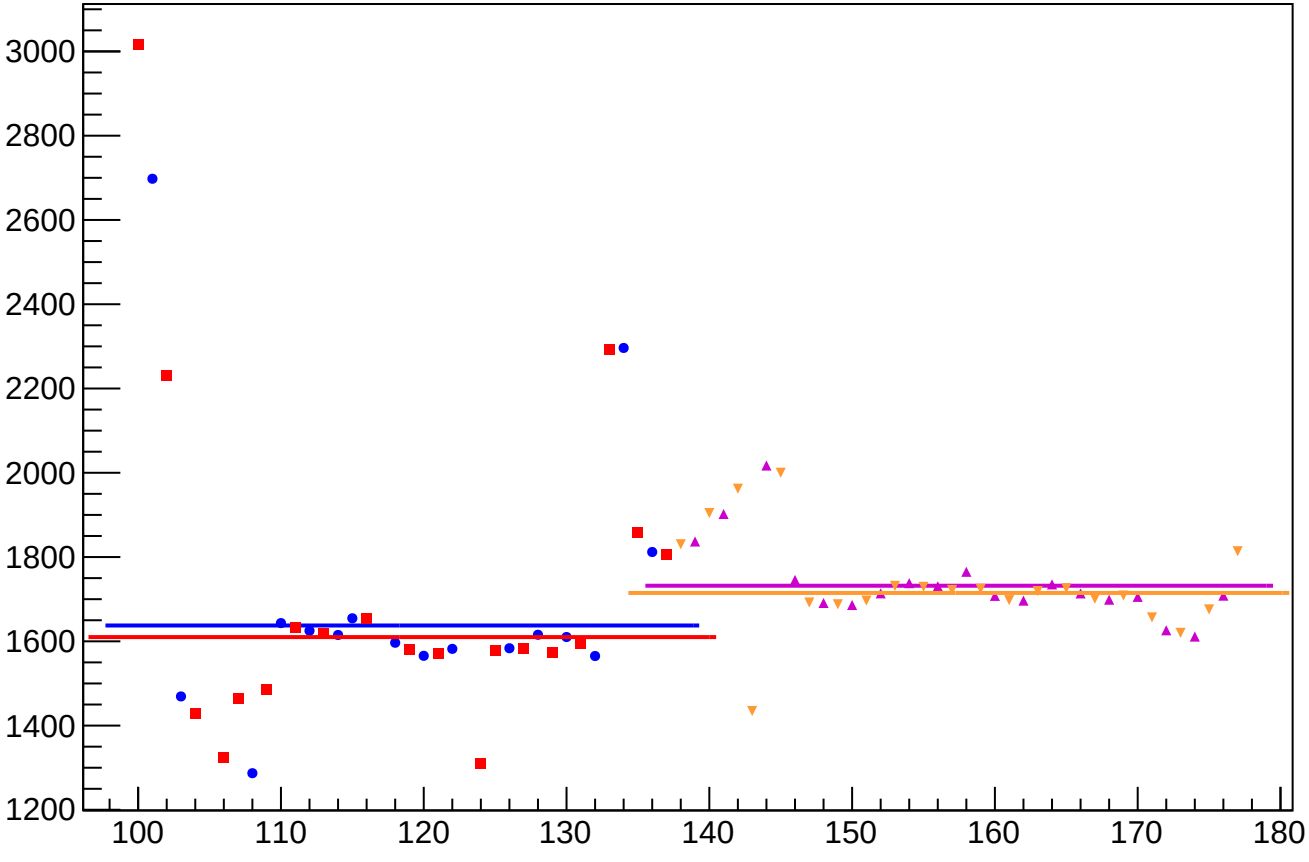
Right: 597.886+/-431.357 χ^2/NDF: 37.1/34

In: 566.595+/-358.246 χ^2/NDF:25.1/34

Out: 332.864+/-345.140 χ^2/NDF:50.6/39

All: 445.376+/-248.555 χ^2/NDF: 75.9/74

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1714.835+/-0.298 χ^2/NDF:146794.3/20

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

Left In: 1731.948+/-0.311 χ^2/NDF:77813.4/18

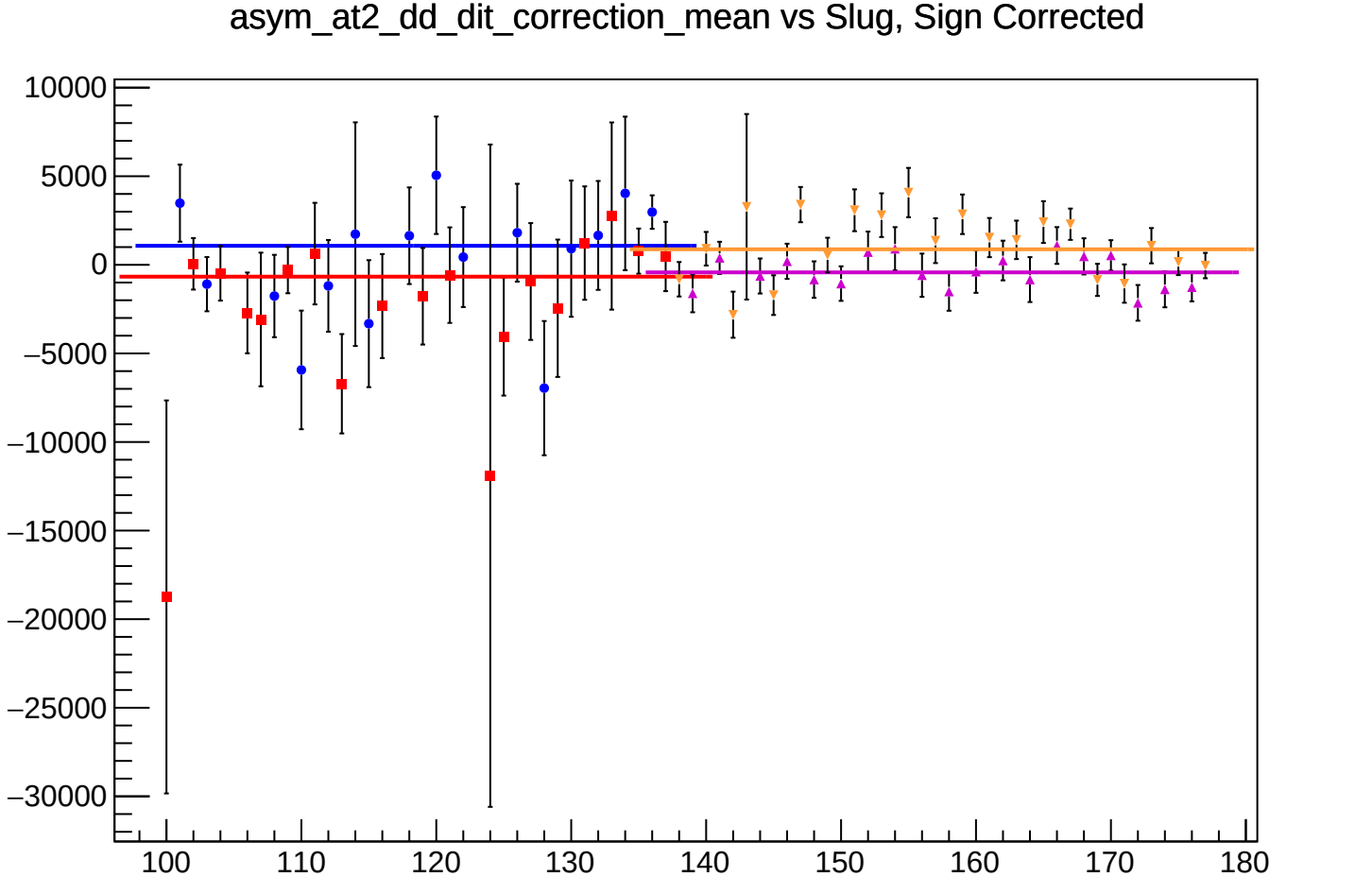
Left: 1723.013+/-0.215 χ^2/NDF: 226187.7/39

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1700.156+/-0.253 χ^2/NDF:470235.4/34

Out: 1680.512+/-0.244 χ^2/NDF:468215.6/39

All: 1689.968+/-0.176 χ^2/NDF: 941569.7/74



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: 876.463+/-226.739 χ^2/NDF:51.9/20

Right Out: -667.777+/-523.477 χ^2/NDF: 13.6/18

Left In: -426.651+/-236.162 χ^2/NDF:15.7/18

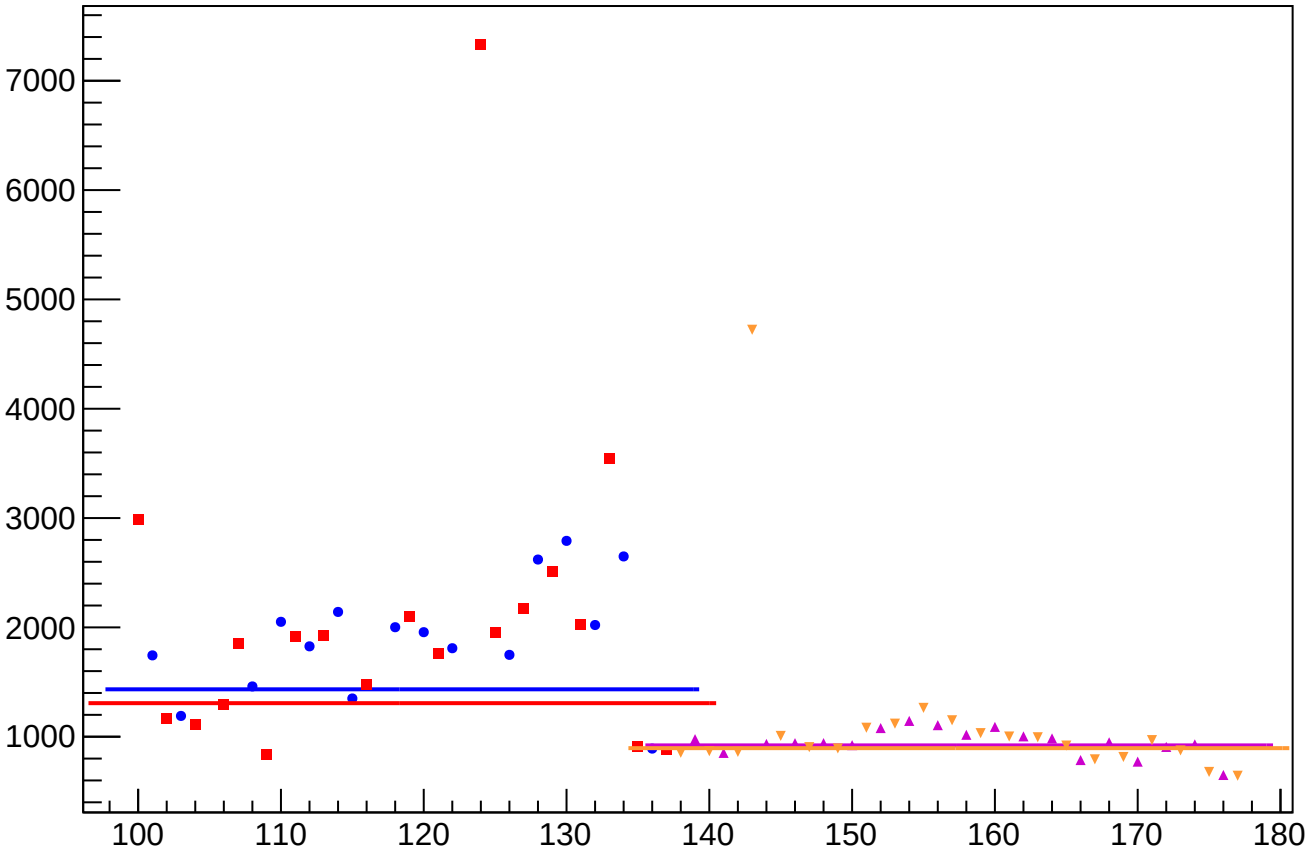
Left: 251.421+/-163.558 χ^2/NDF: 83.5/39

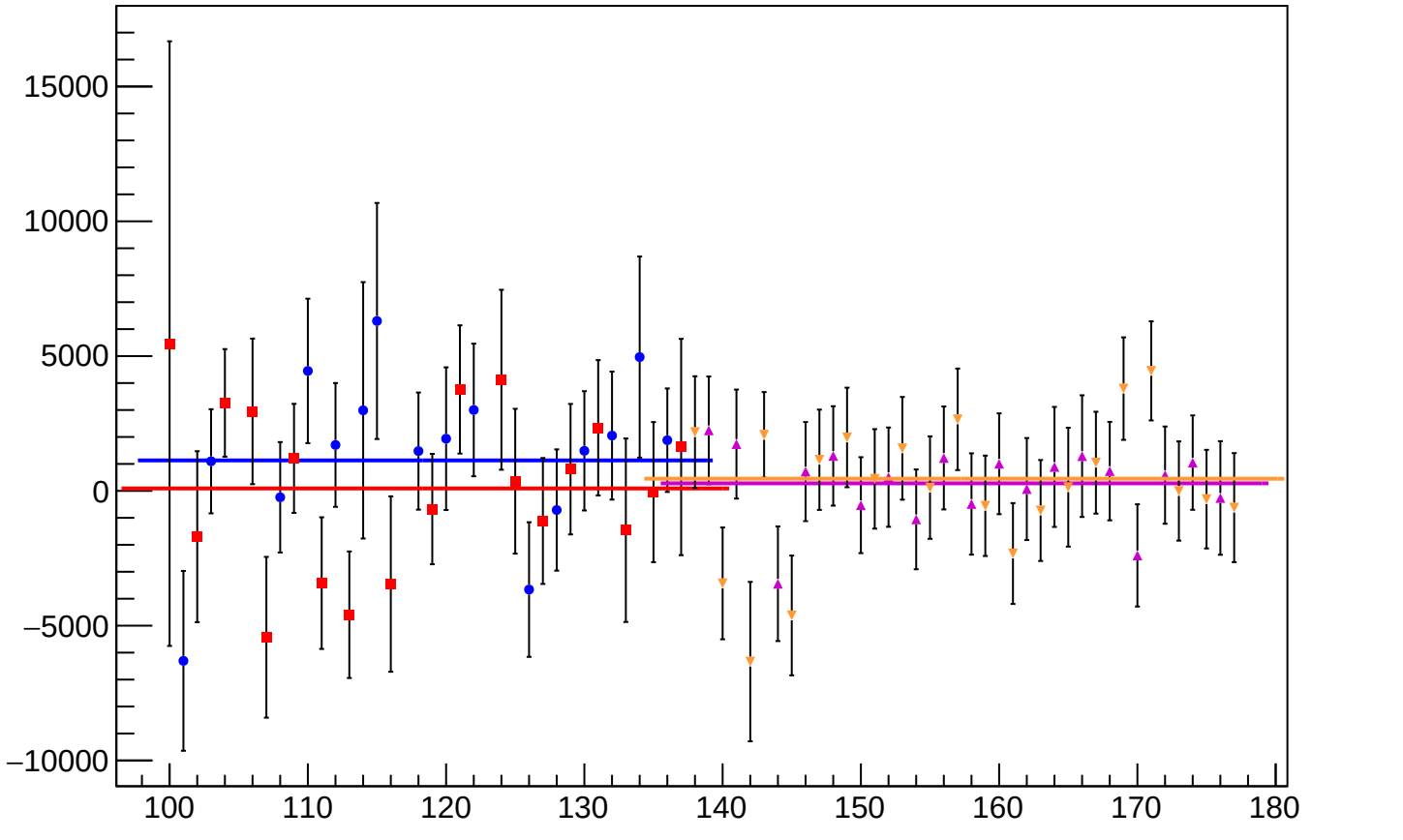
Right: 126.521+/-386.051 χ^2/NDF: 40.6/34

In: -207.905+/-218.267 χ^2/NDF:43.6/34

Out: 632.514+/-208.060 χ^2/NDF:72.8/39

All: 232.414+/-150.600 χ^2/NDF: 124.2/74


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: 895.361+/-0.160 χ²/NDF:1969654.9/20
Right Out: 1306.866+/-0.370 χ²/NDF: 2183906.3/18
Left In: 920.586+/-0.167 χ²/NDF:564661.6/18
Left: 907.460+/-0.116 χ²/NDF: 2546190.5/39
Right: 1364.618+/-0.273 χ²/NDF: 4000764.0/34
In: 995.369+/-0.154 χ²/NDF:3703580.3/34
Out: 960.367+/-0.147 χ²/NDF:5194230.7/39
All: 977.031+/-0.106 χ²/NDF: 8924758.0/74



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: 451.527+/-420.881 χ^2/NDF:29.7/20

Right Out: 89.225+/-603.072 χ^2/NDF: 20.7/18

Left In: 280.020+/-439.928 χ^2/NDF:8.8/18

Left: 369.567+/-304.118 χ^2/NDF: 38.6/39

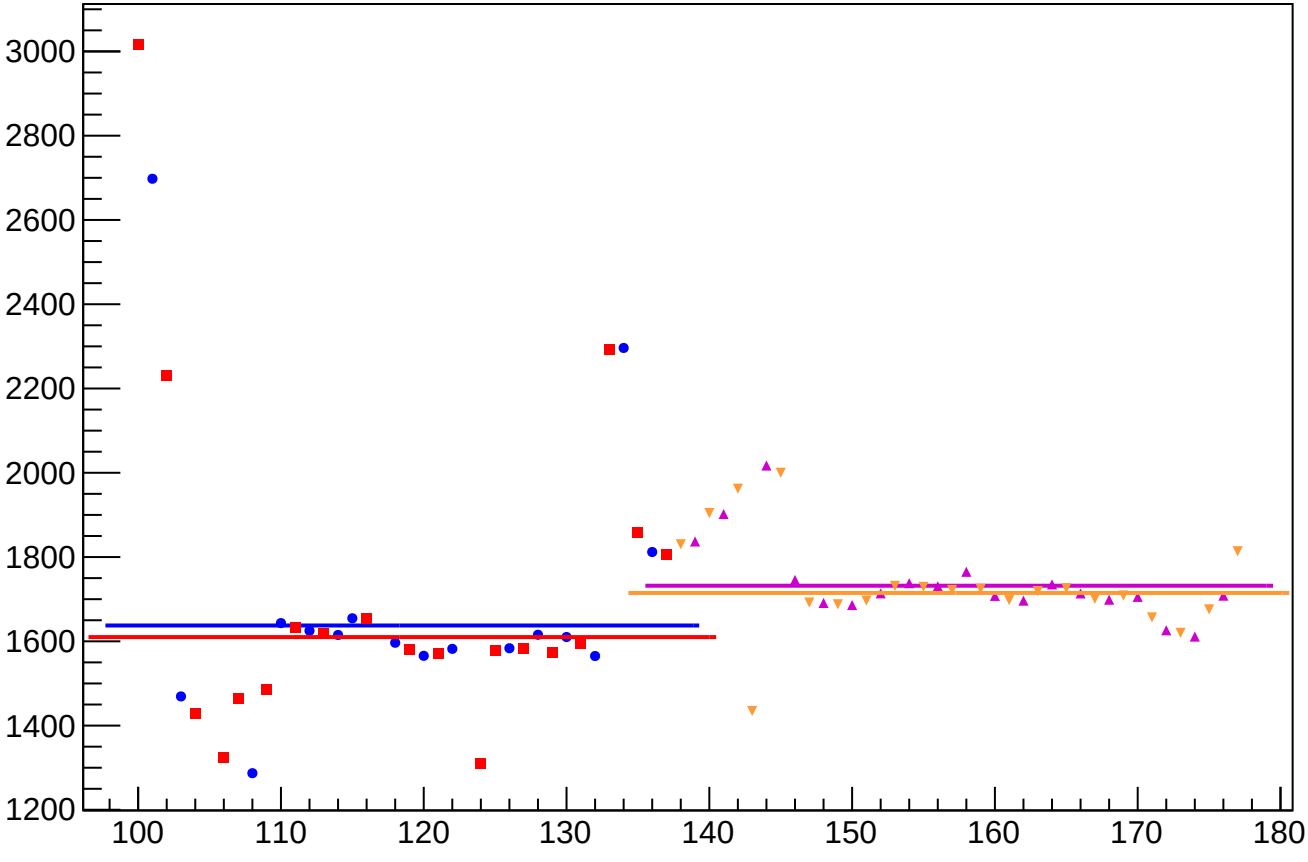
Right: 597.890+/-431.357 χ^2/NDF: 37.1/34

In: 566.596+/-358.246 χ^2/NDF:25.1/34

Out: 332.862+/-345.140 χ^2/NDF:50.6/39

All: 445.376+/-248.555 χ^2/NDF: 75.9/74

eigen_dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1714.835+/-0.298 χ^2/NDF:146793.7/20

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

Left In: 1731.948+/-0.311 χ^2/NDF:77813.9/18

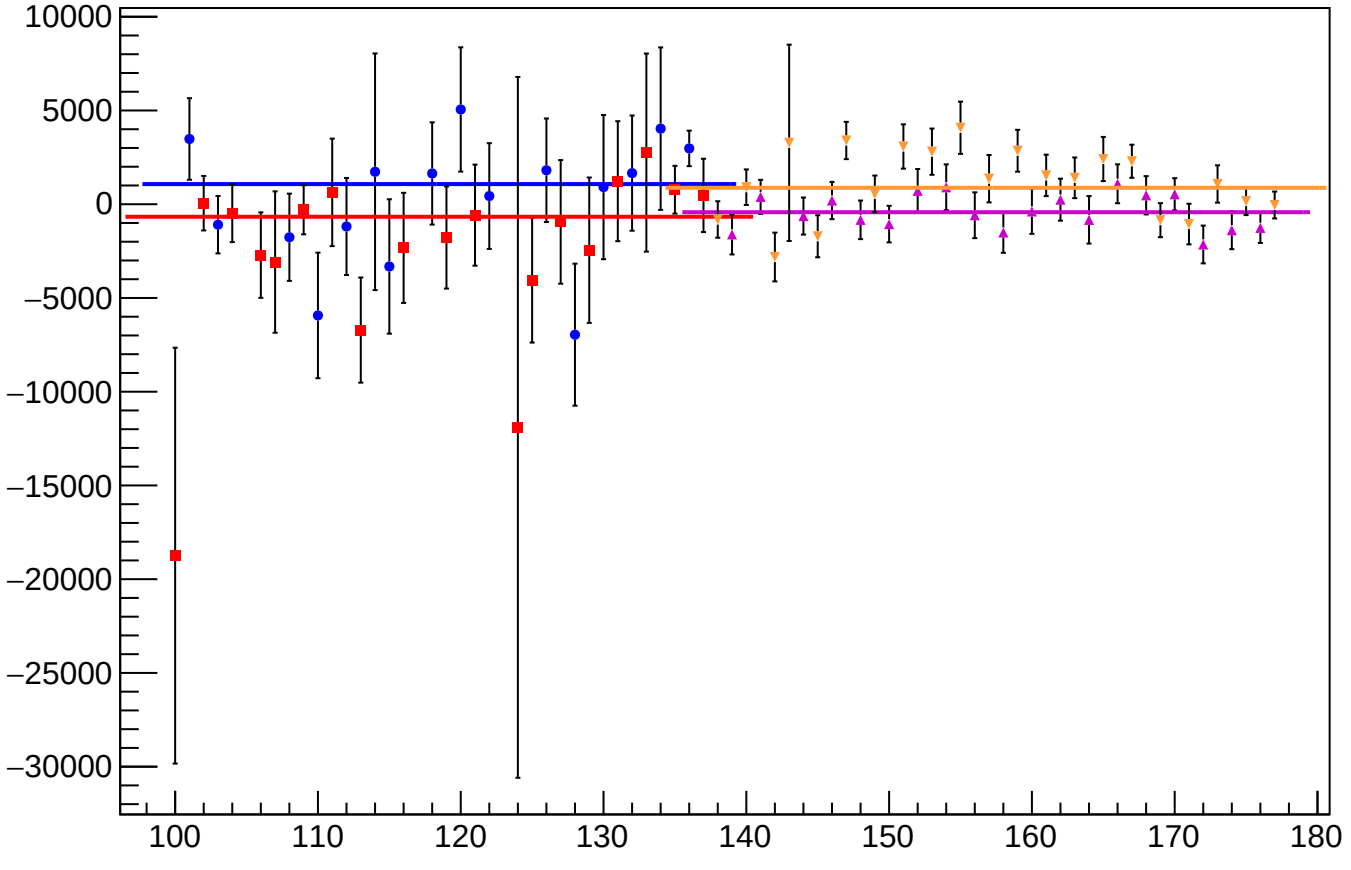
Left: 1723.013+/-0.215 χ^2/NDF: 226187.6/39

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1700.156+/-0.253 χ^2/NDF:470235.6/34

Out: 1680.512+/-0.244 χ^2/NDF:468215.4/39

All: 1689.968+/-0.176 χ^2/NDF: 941569.6/74



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: 876.467+/-226.739 χ^2/NDF:51.9/20

Right Out: -667.789+/-523.481 χ^2/NDF: 13.6/18

Left In: -426.649+/-236.162 χ^2/NDF:15.7/18

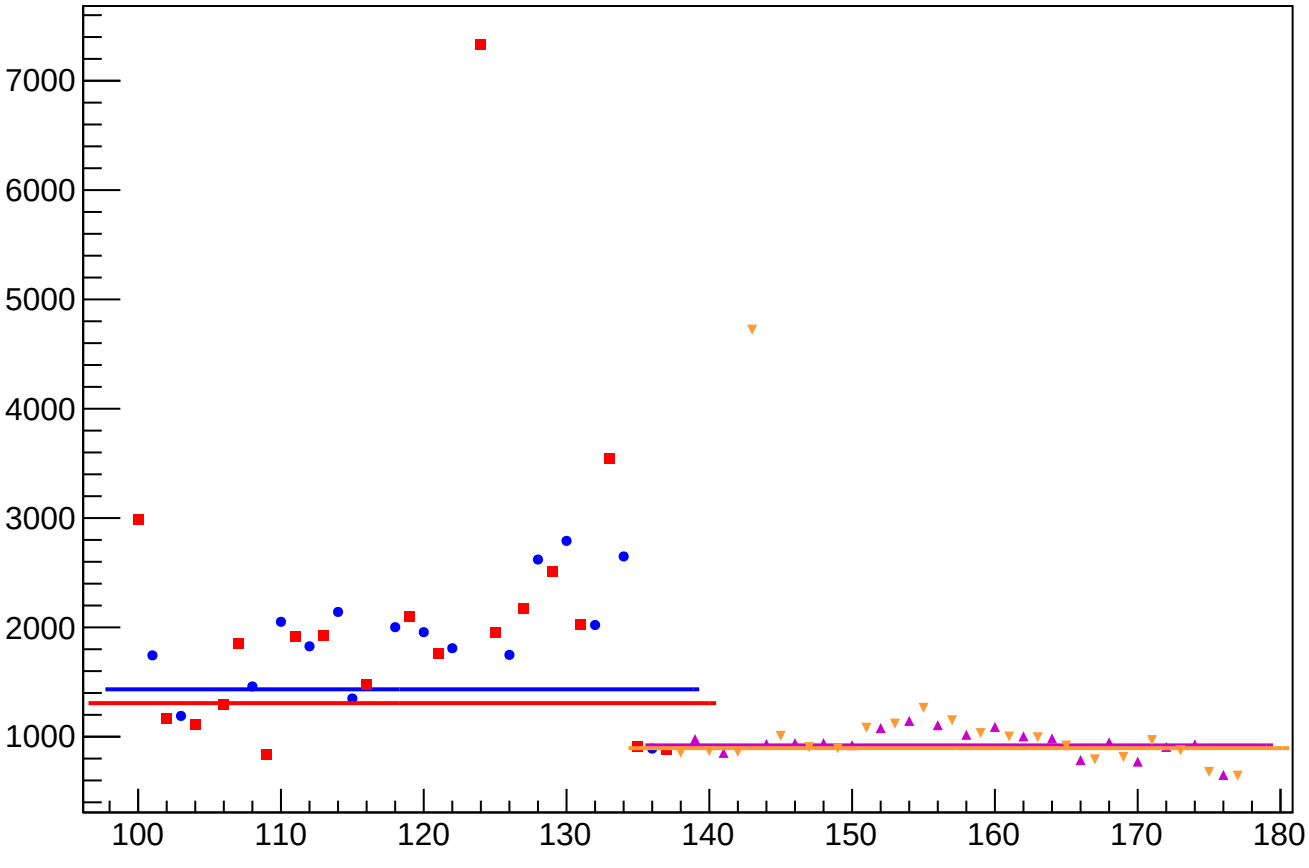
Left: 251.424+/-163.558 χ^2/NDF: 83.5/39

Right: 126.509+/-386.053 χ^2/NDF: 40.6/34

In: -207.907+/-218.267 χ^2/NDF:43.6/34

Out: 632.519+/-208.061 χ^2/NDF:72.8/39

All: 232.414+/-150.600 χ^2/NDF: 124.2/74



Right In: 1433.492+/-0.404 χ^2/NDF: 1763397.4/15

Left Out: 895.361+/-0.160 χ^2/NDF:1969642.0/20

Right Out: 1306.880+/-0.370 χ^2/NDF: 2183835.0/18

Left In: 920.586+/-0.167 χ^2/NDF:564664.3/18

Left: 907.460+/-0.116 χ^2/NDF: 2546178.9/39

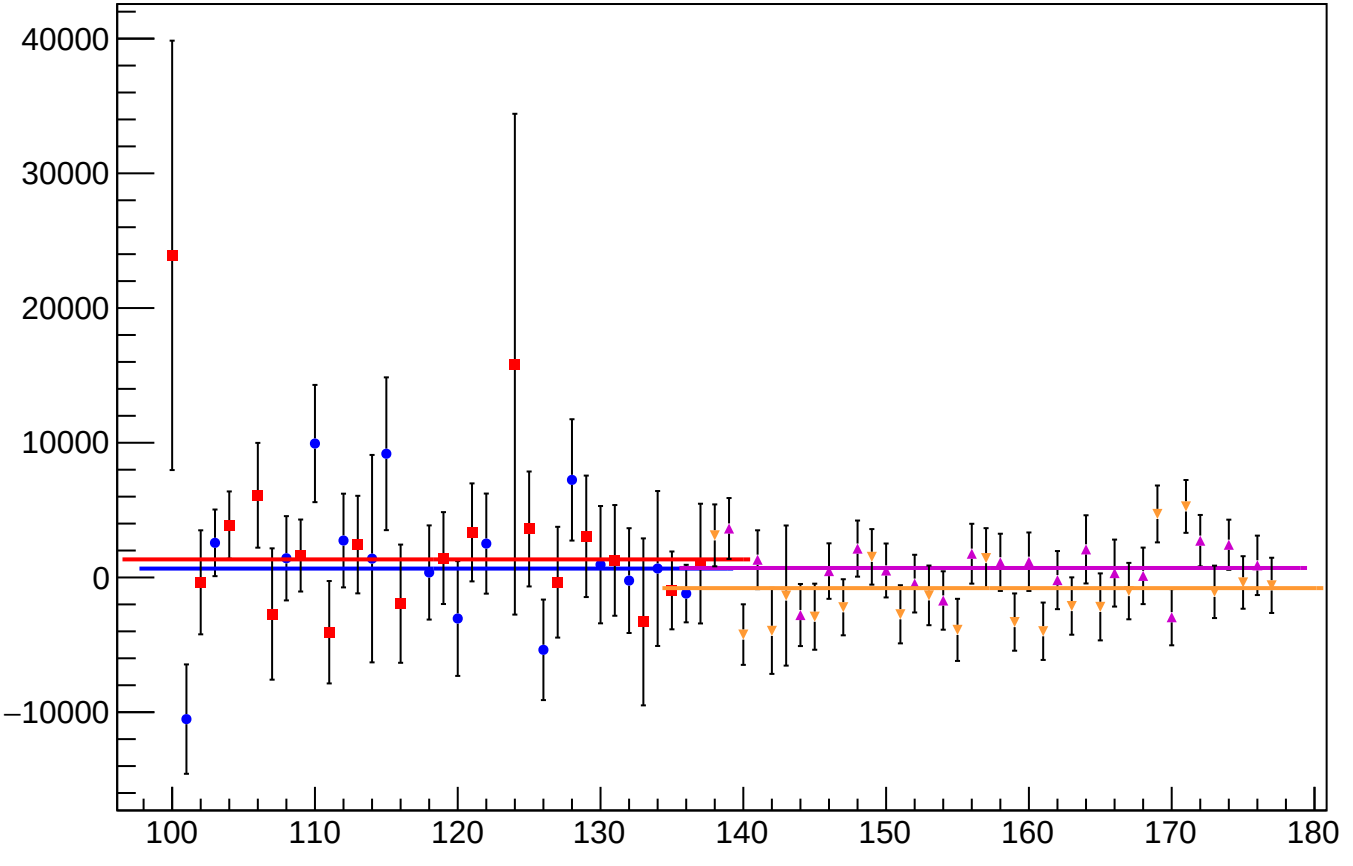
Right: 1364.632+/-0.273 χ^2/NDF: 4000599.5/34

In: 995.370+/-0.154 χ^2/NDF:3703558.4/34

Out: 960.369+/-0.147 χ^2/NDF:5194196.2/39

All: 977.032+/-0.106 χ^2/NDF: 8924699.4/74

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -791.122+/-484.223 χ^2/NDF:33.2/20

Right Out: 1341.998+/-890.576 χ^2/NDF: 10.8/18

Left In: 703.750+/-491.745 χ^2/NDF:12.0/18

Left: -55.206+/-345.026 χ^2/NDF: 50.0/39

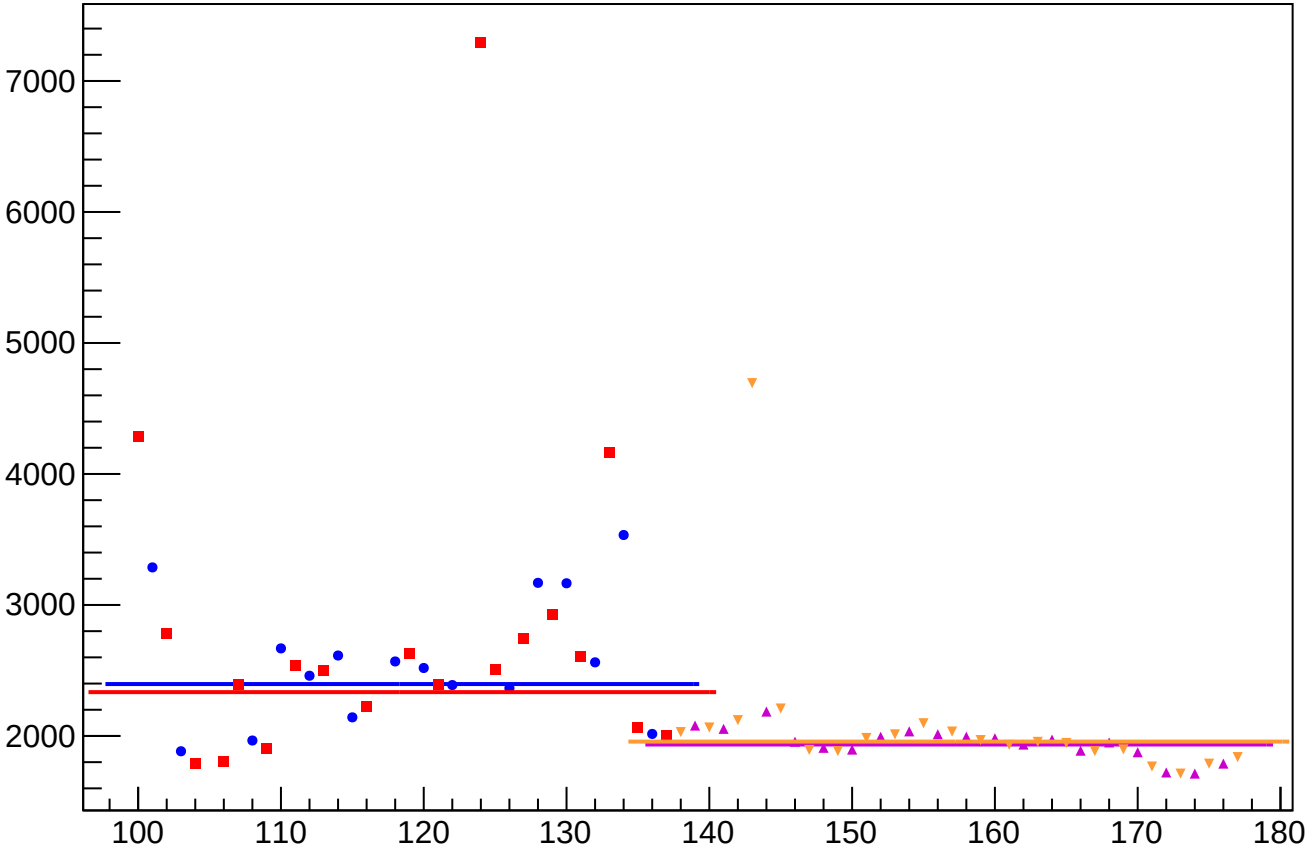
Right: 1007.929+/-636.341 χ^2/NDF: 33.1/34

In: 693.732+/-432.574 χ^2/NDF:34.0/34

Out: -304.397+/-425.407 χ^2/NDF:48.5/39

All: 186.331+/-303.311 χ^2/NDF: 85.2/74

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 1956.978+/-0.342 χ^2/NDF:678601.0/20

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

Left In: 1934.685+/-0.348 χ^2/NDF:115092.8/18

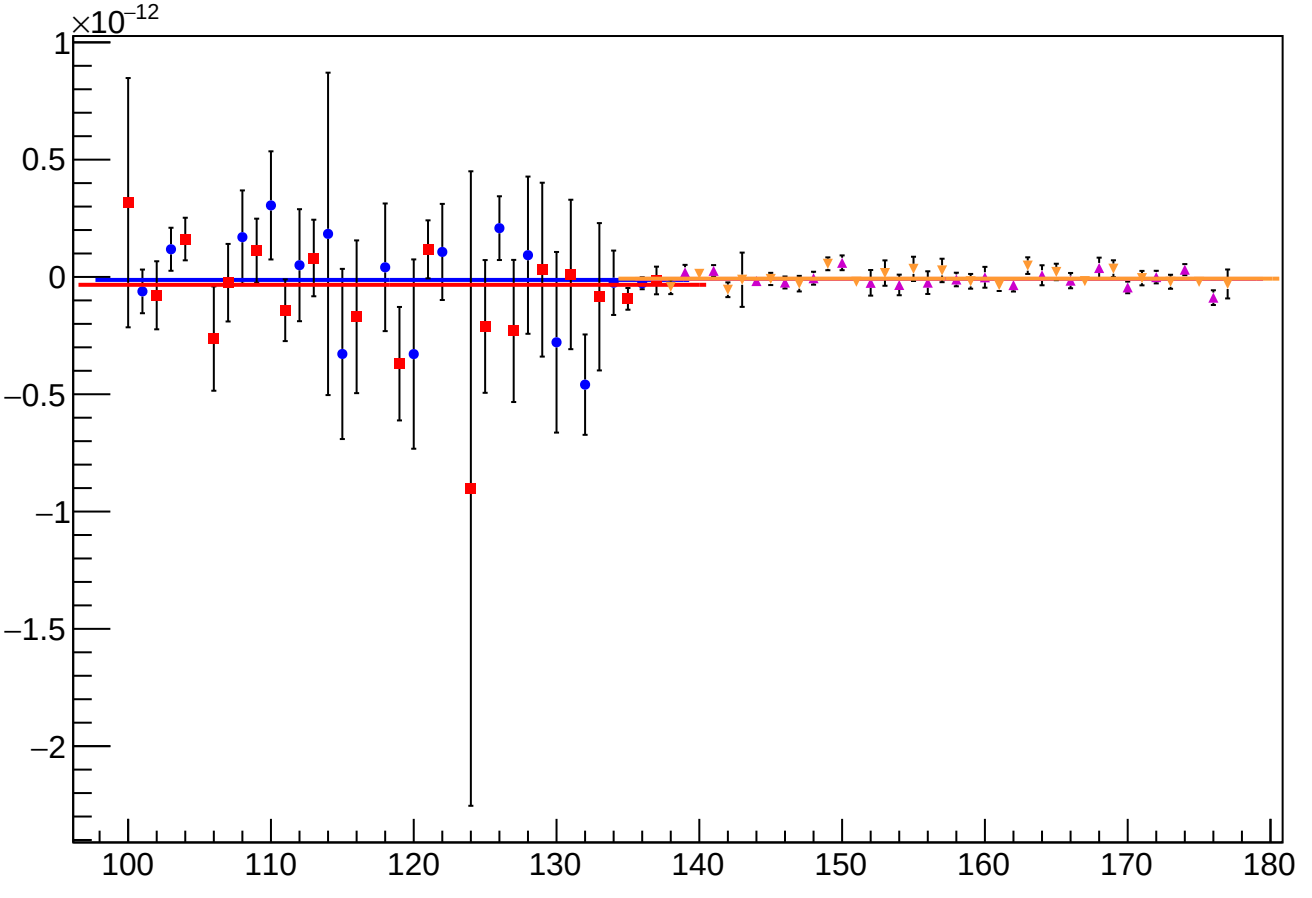
Left: 1946.003+/-0.244 χ^2/NDF: 795780.7/39

Right: 2364.783+/-0.450 χ^2/NDF: 1194162.0/34

In: 2039.087+/-0.306 χ^2/NDF:1021568.4/34

Out: 2043.141+/-0.301 χ^2/NDF:1637699.3/39

All: 2041.148+/-0.214 χ^2/NDF: 2659356.9/74



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.3/20

Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:22.5/18

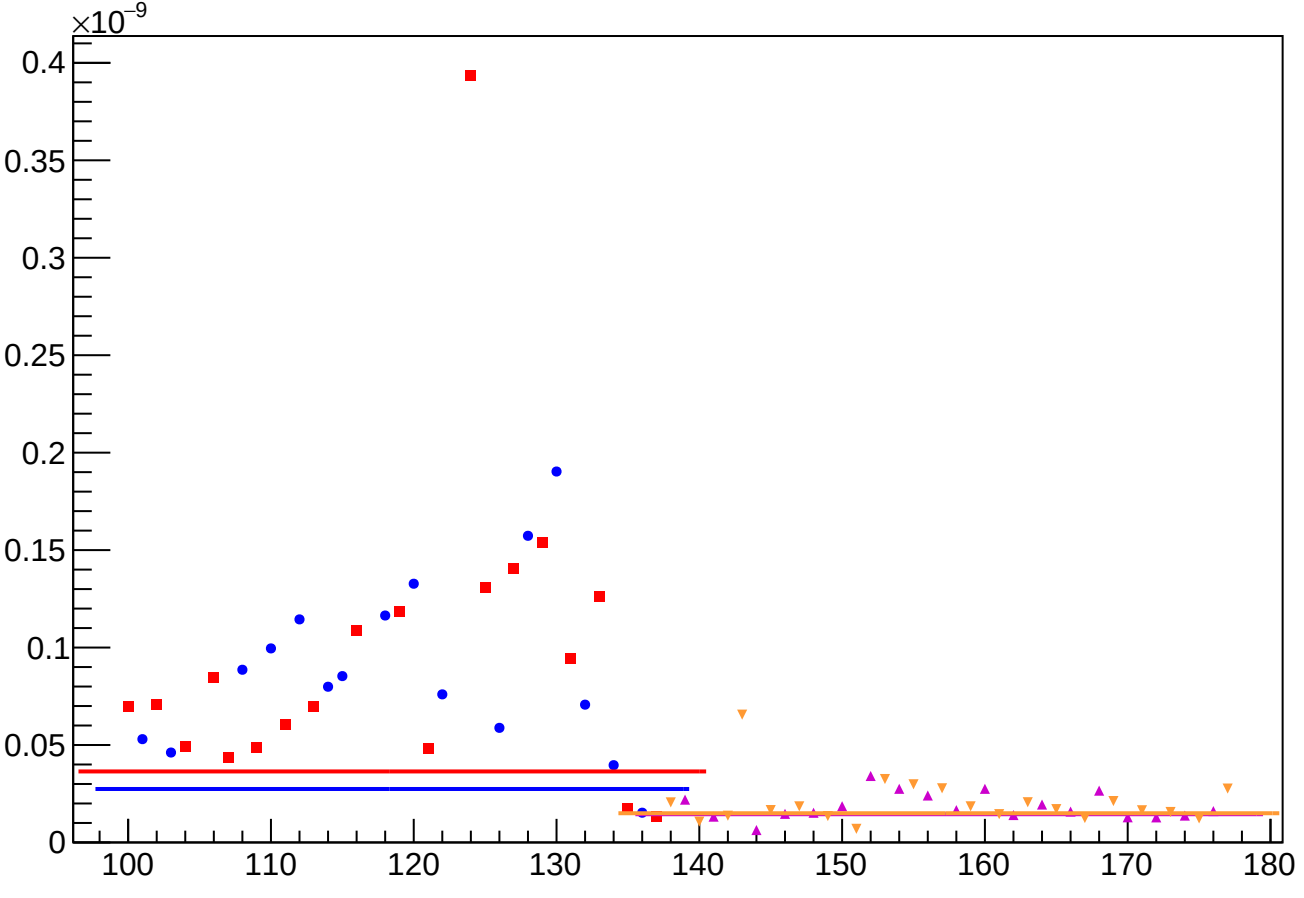
Left: -0.000+/-0.000 χ^2/NDF: 41.8/39

Right: -0.000+/-0.000 χ^2/NDF: 30.4/34

In: -0.000+/-0.000 χ^2/NDF:37.4/34

Out: -0.000+/-0.000 χ^2/NDF:35.3/39

All: -0.000+/-0.000 χ^2/NDF: 72.7/74



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1768138.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1744114.3/18

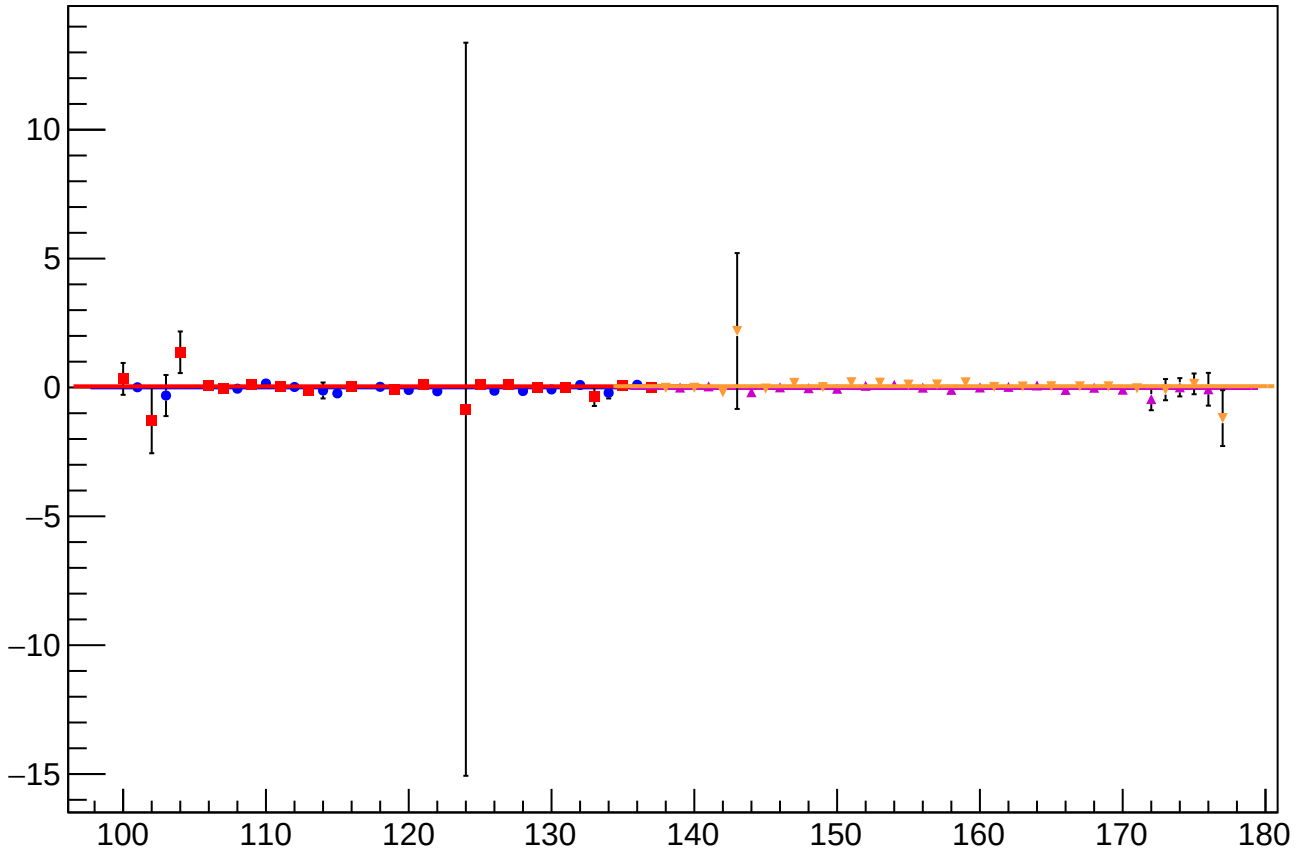
Left: 0.000+/-0.000 χ^2/NDF: 3518554.0/39

Right: 0.000+/-0.000 χ^2/NDF: 5297550.6/34

In: 0.000+/-0.000 χ^2/NDF:5100201.6/34

Out: 0.000+/-0.000 χ^2/NDF:5327855.0/39

All: 0.000+/-0.000 χ^2/NDF: 10435411.0/74



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:21.2/20

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.020+/-0.017 χ^2/NDF:12.8/18

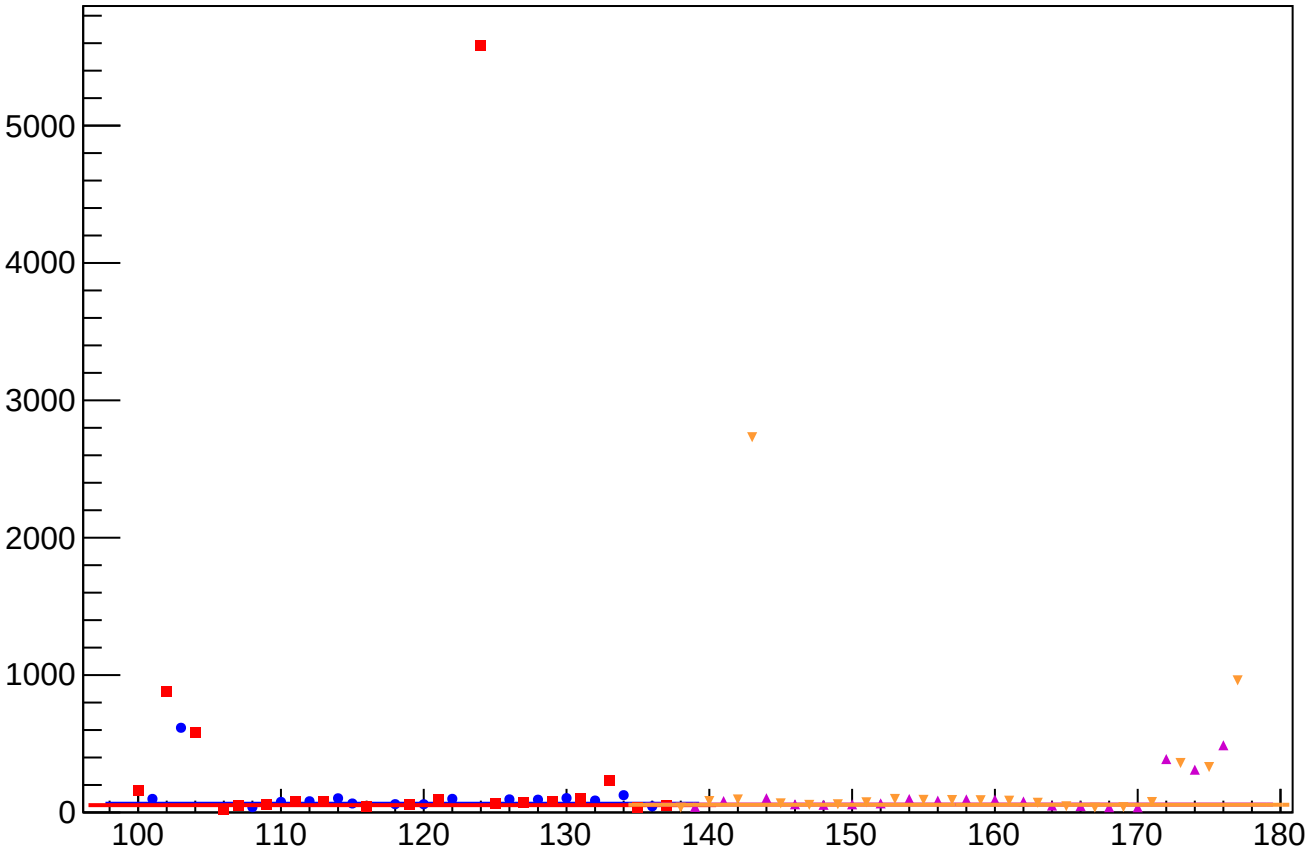
Left: 0.015+/-0.012 χ^2/NDF: 42.1/39

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.013+/-0.015 χ^2/NDF:26.6/34

Out: 0.047+/-0.014 χ^2/NDF:33.9/39

All: 0.018+/-0.010 χ^2/NDF: 69.5/74



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 56.091+/-0.012 χ^2/NDF:7977232.0/20

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 57.409+/-0.012 χ^2/NDF:5788261.5/18

Left: 56.746+/-0.009 χ^2/NDF: 13771437.4/39

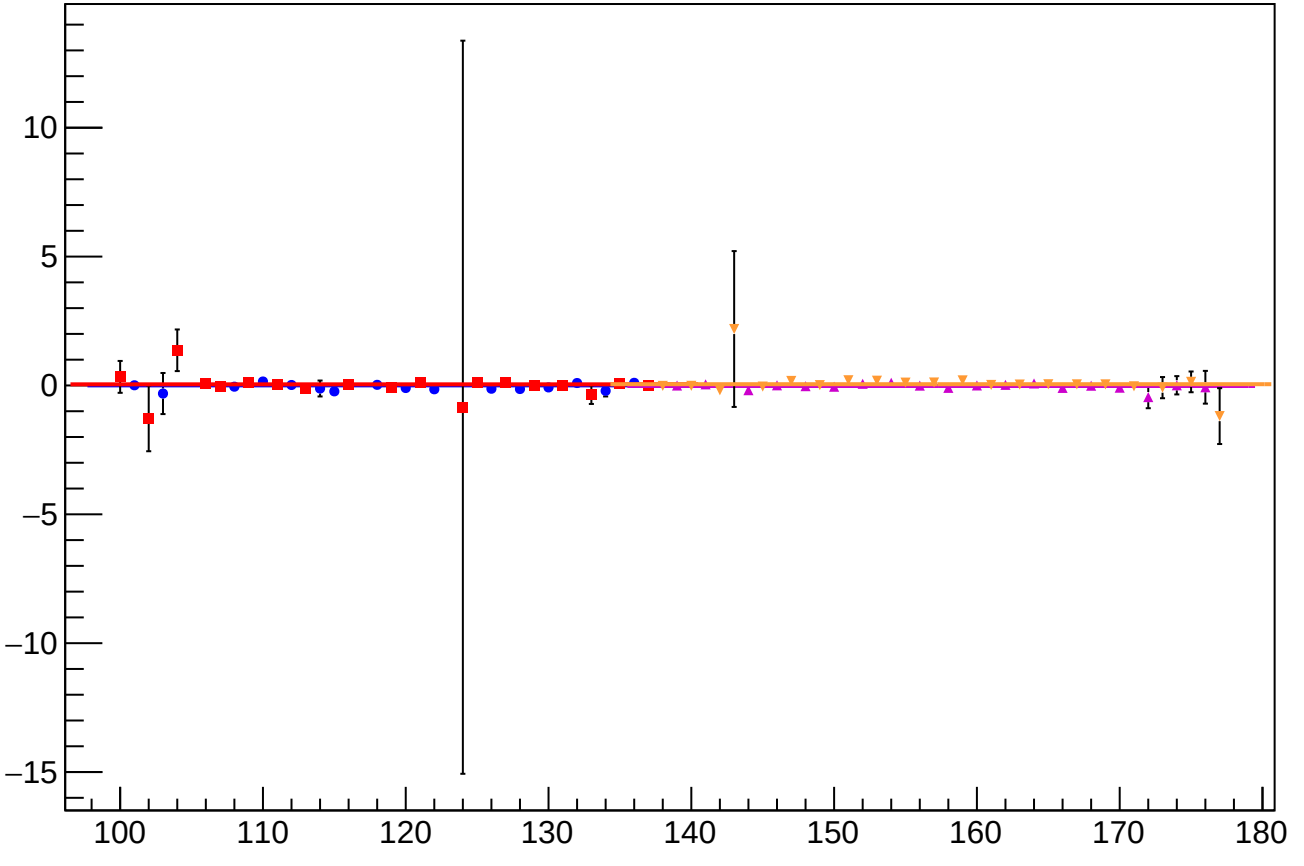
Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 59.128+/-0.010 χ^2/NDF:8304145.5/34

Out: 55.167+/-0.010 χ^2/NDF:11941352.0/39

All: 57.085+/-0.007 χ^2/NDF: 20322368.1/74

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:21.2/20

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.020+/-0.017 χ^2/NDF:12.8/18

Left: 0.015+/-0.012 χ^2/NDF: 42.1/39

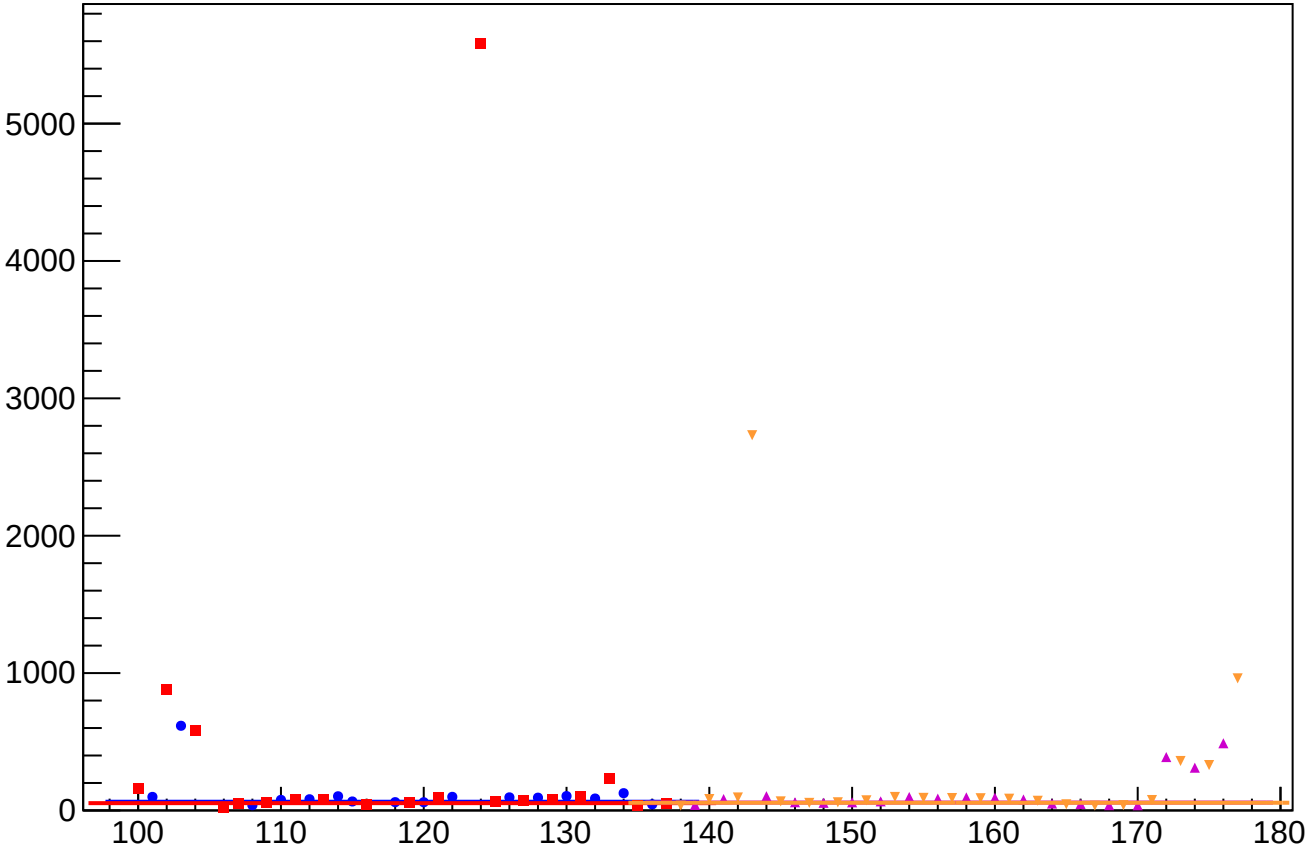
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.013+/-0.015 χ^2/NDF:26.6/34

Out: 0.047+/-0.014 χ^2/NDF:33.9/39

All: 0.018+/-0.010 χ^2/NDF: 69.5/74

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 56.091+/-0.012 χ^2/NDF:7977232.0/20

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 57.409+/-0.012 χ^2/NDF:5788261.5/18

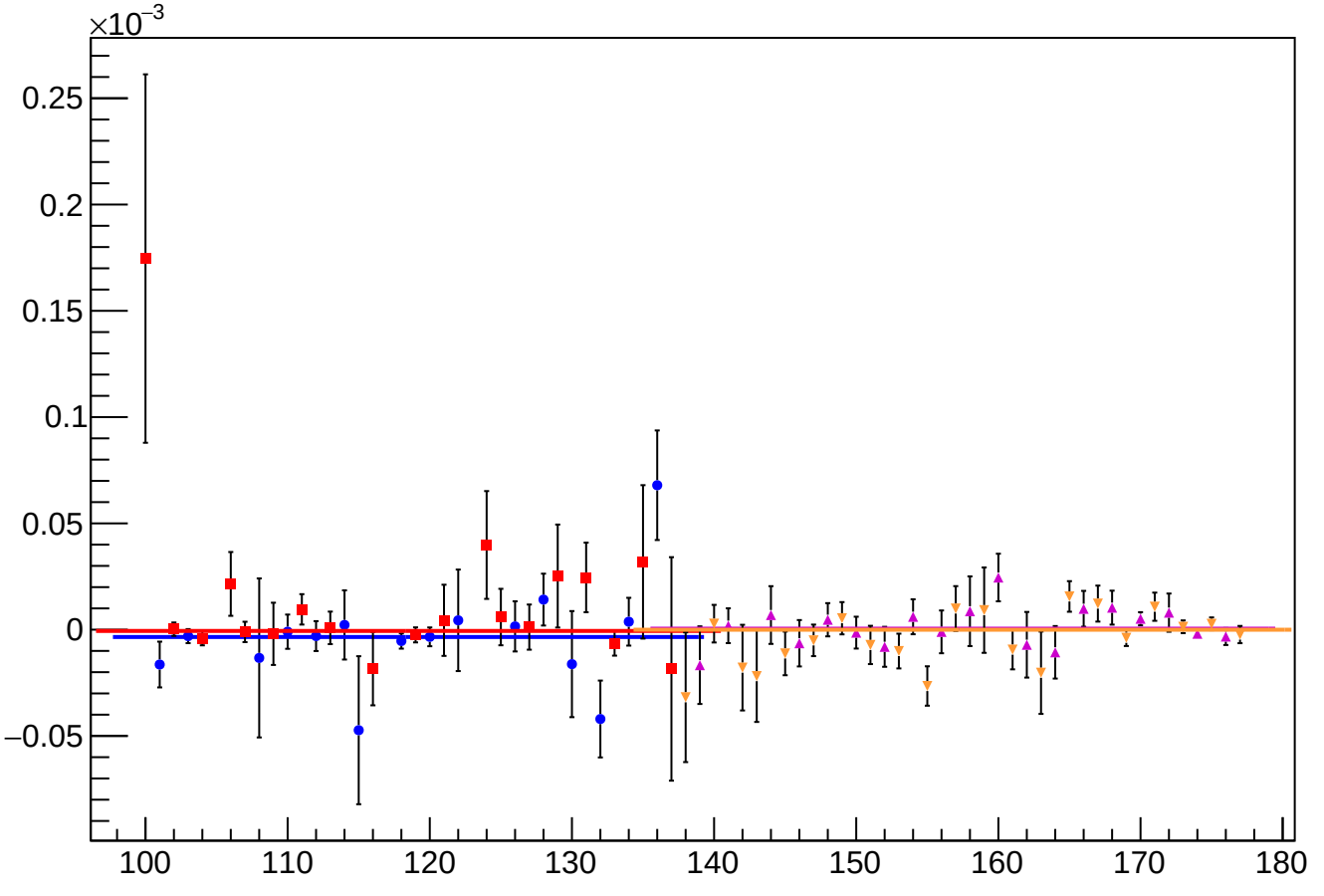
Left: 56.746+/-0.009 χ^2/NDF: 13771437.4/39

Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 59.128+/-0.010 χ^2/NDF:8304145.5/34

Out: 55.167+/-0.010 χ^2/NDF:11941352.0/39

All: 57.085+/-0.007 χ^2/NDF: 20322368.1/74



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/20

Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:17.4/18

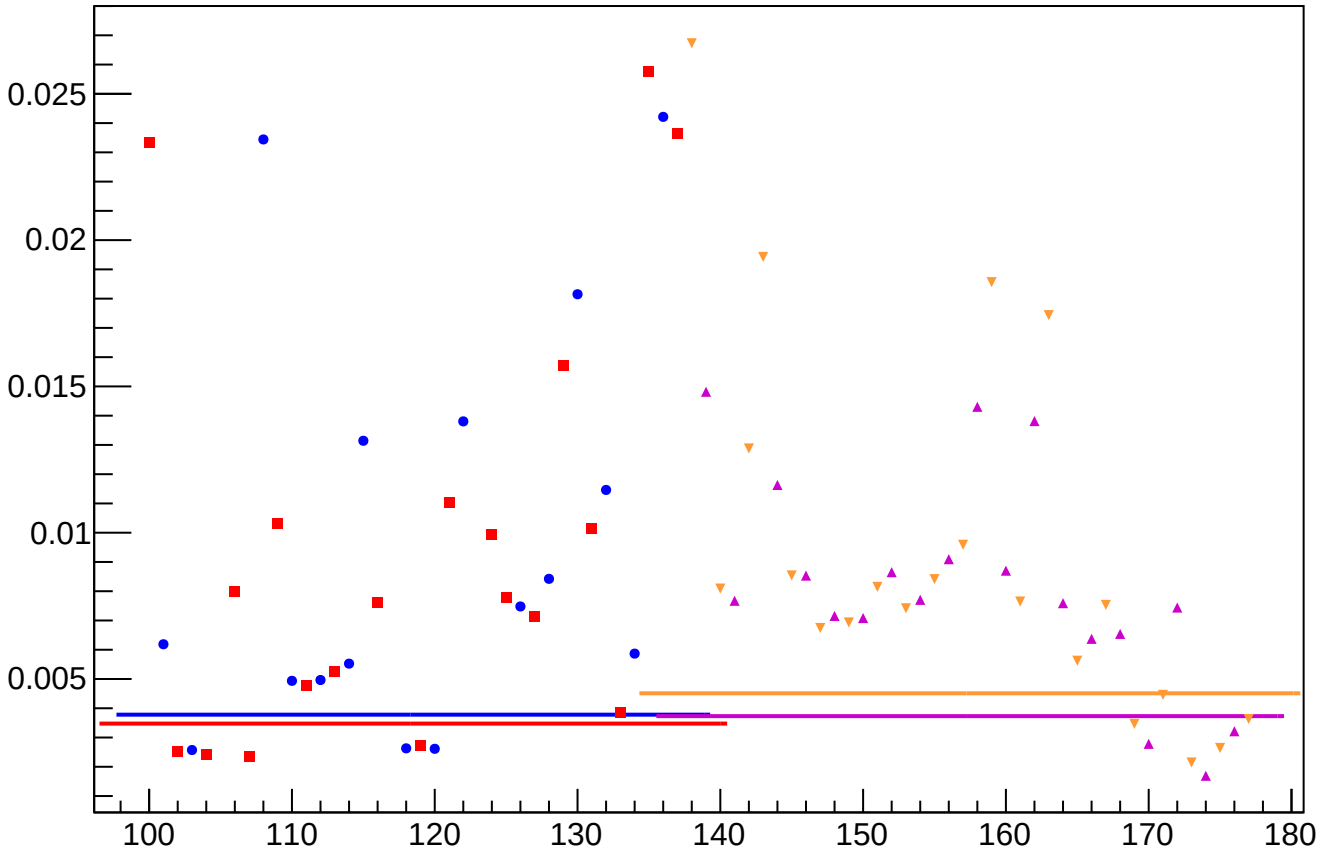
Left: 0.000+/-0.000 χ^2/NDF: 47.9/39

Right: -0.000+/-0.000 χ^2/NDF: 39.5/34

In: -0.000+/-0.000 χ^2/NDF:39.4/34

Out: -0.000+/-0.000 χ^2/NDF:49.7/39

All: -0.000+/-0.000 χ^2/NDF: 89.2/74



Right In: 0.004+/-0.000 χ^2/NDF: 4719536.5/15

Left Out: 0.005+/-0.000 χ^2/NDF:9428292.6/20

Right Out: 0.003+/-0.000 χ^2/NDF: 4495340.7/18

Left In: 0.004+/-0.000 χ^2/NDF:10368249.5/18

Left: 0.004+/-0.000 χ^2/NDF: 20147431.6/39

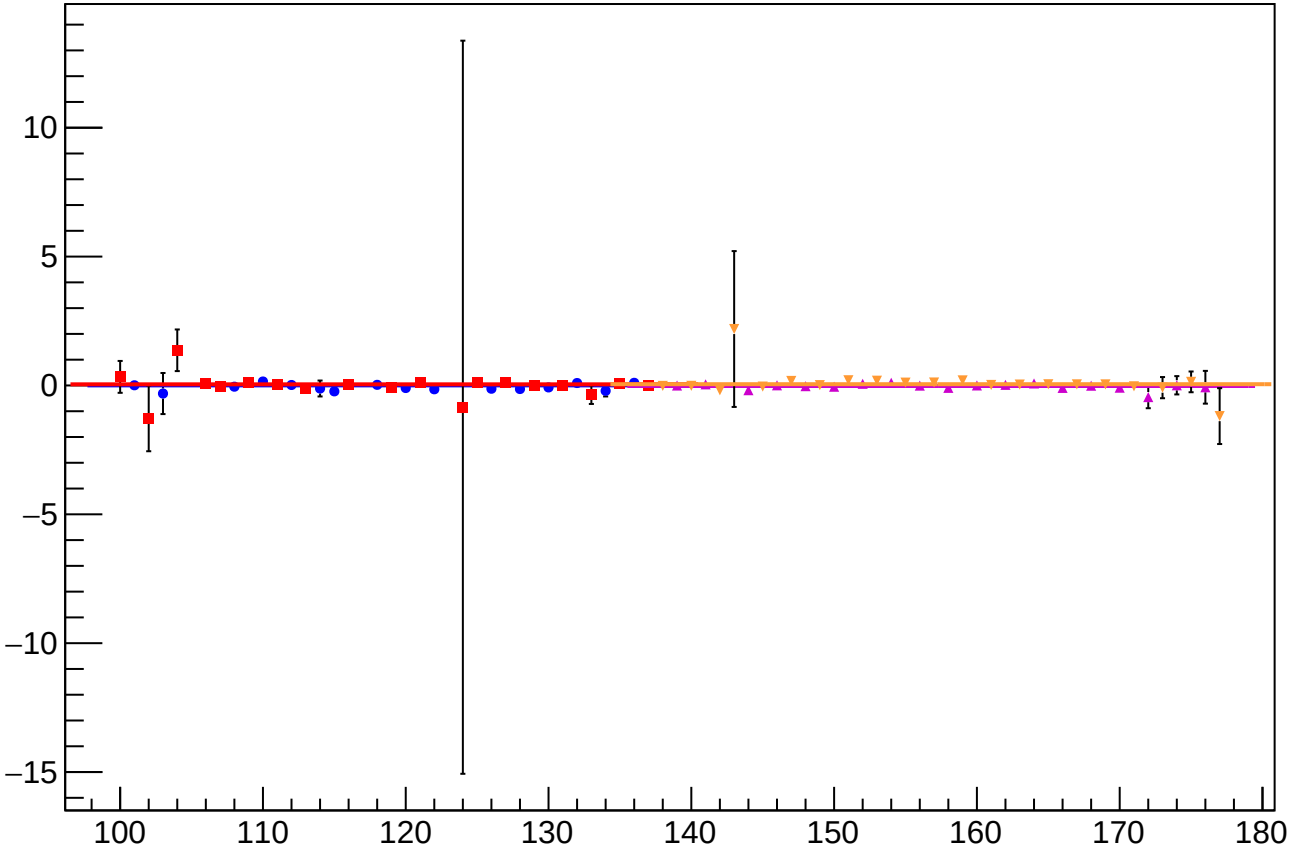
Right: 0.004+/-0.000 χ^2/NDF: 9247440.2/34

In: 0.004+/-0.000 χ^2/NDF:15088801.3/34

Out: 0.004+/-0.000 χ^2/NDF:14426478.4/39

All: 0.004+/-0.000 χ^2/NDF: 29604421.5/74

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:21.2/20

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.020+/-0.017 χ^2/NDF:12.8/18

Left: 0.015+/-0.012 χ^2/NDF: 42.1/39

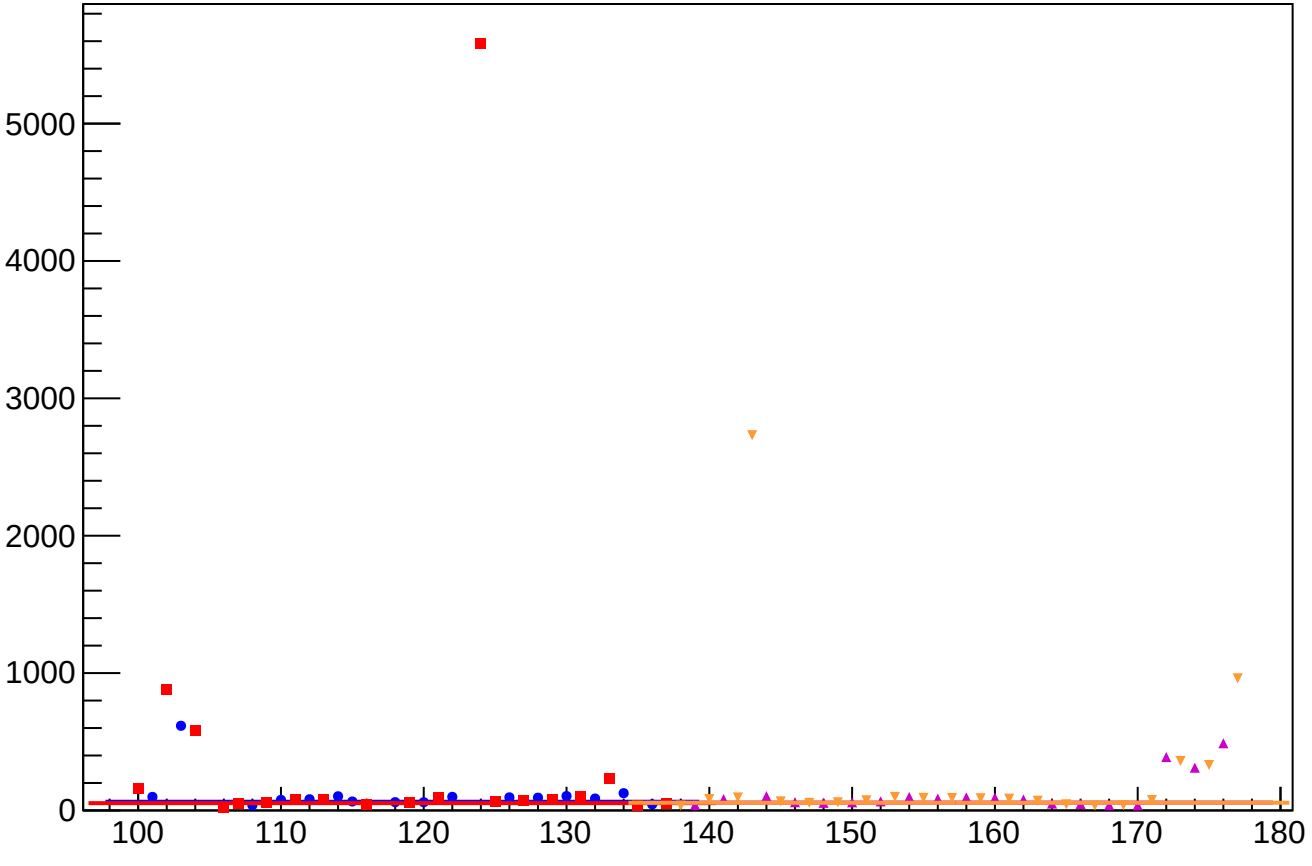
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.013+/-0.015 χ^2/NDF:26.6/34

Out: 0.047+/-0.014 χ^2/NDF:33.9/39

All: 0.018+/-0.010 χ^2/NDF: 69.5/74

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: 56.090+/-0.012 χ^2/NDF:7976960.9/20

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 57.412+/-0.012 χ^2/NDF:5787791.3/18

Left: 56.747+/-0.009 χ^2/NDF: 13770727.2/39

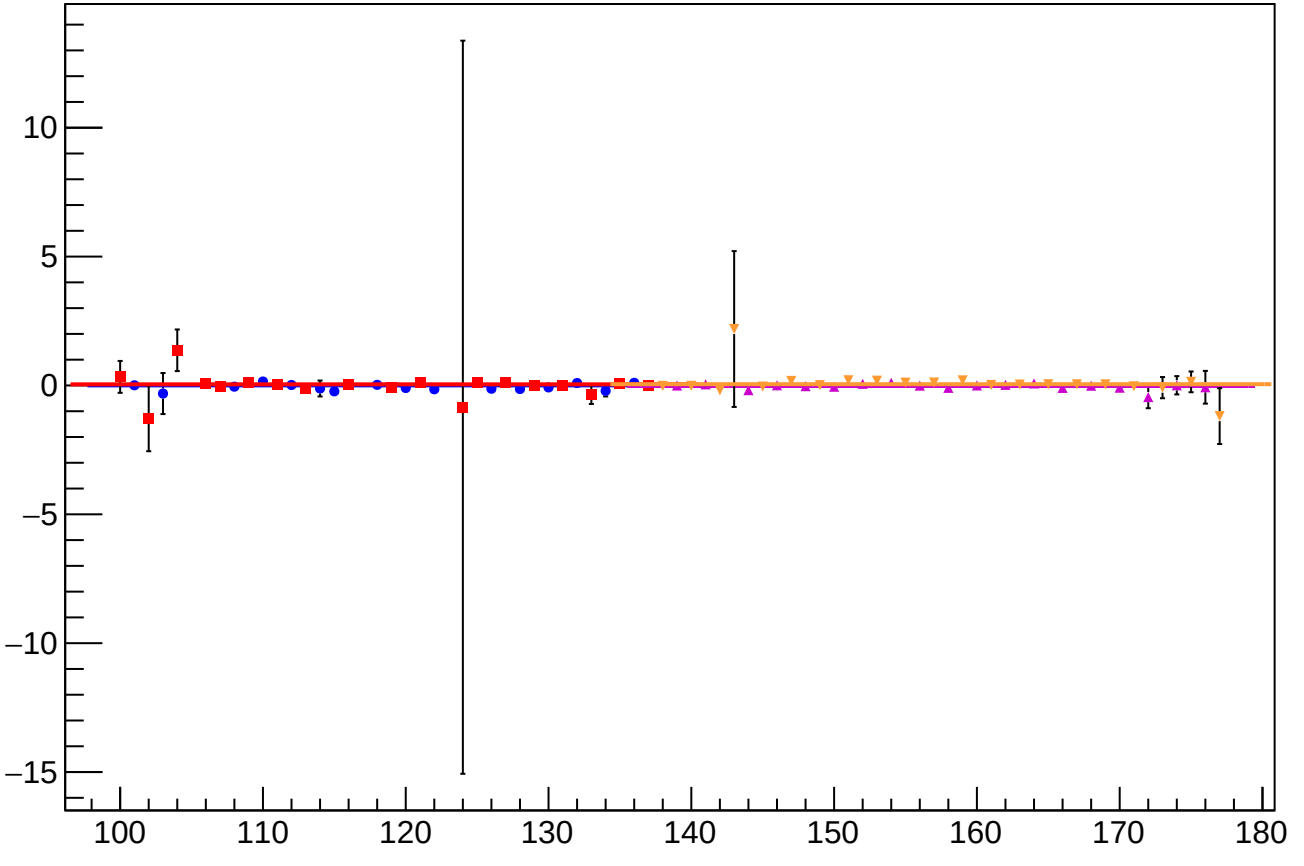
Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 59.132+/-0.010 χ^2/NDF:8302920.9/34

Out: 55.165+/-0.010 χ^2/NDF:11941682.5/39

All: 57.085+/-0.007 χ^2/NDF: 20321723.5/74

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:21.2/20

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.020+/-0.017 χ^2/NDF:12.8/18

Left: 0.015+/-0.012 χ^2/NDF: 42.1/39

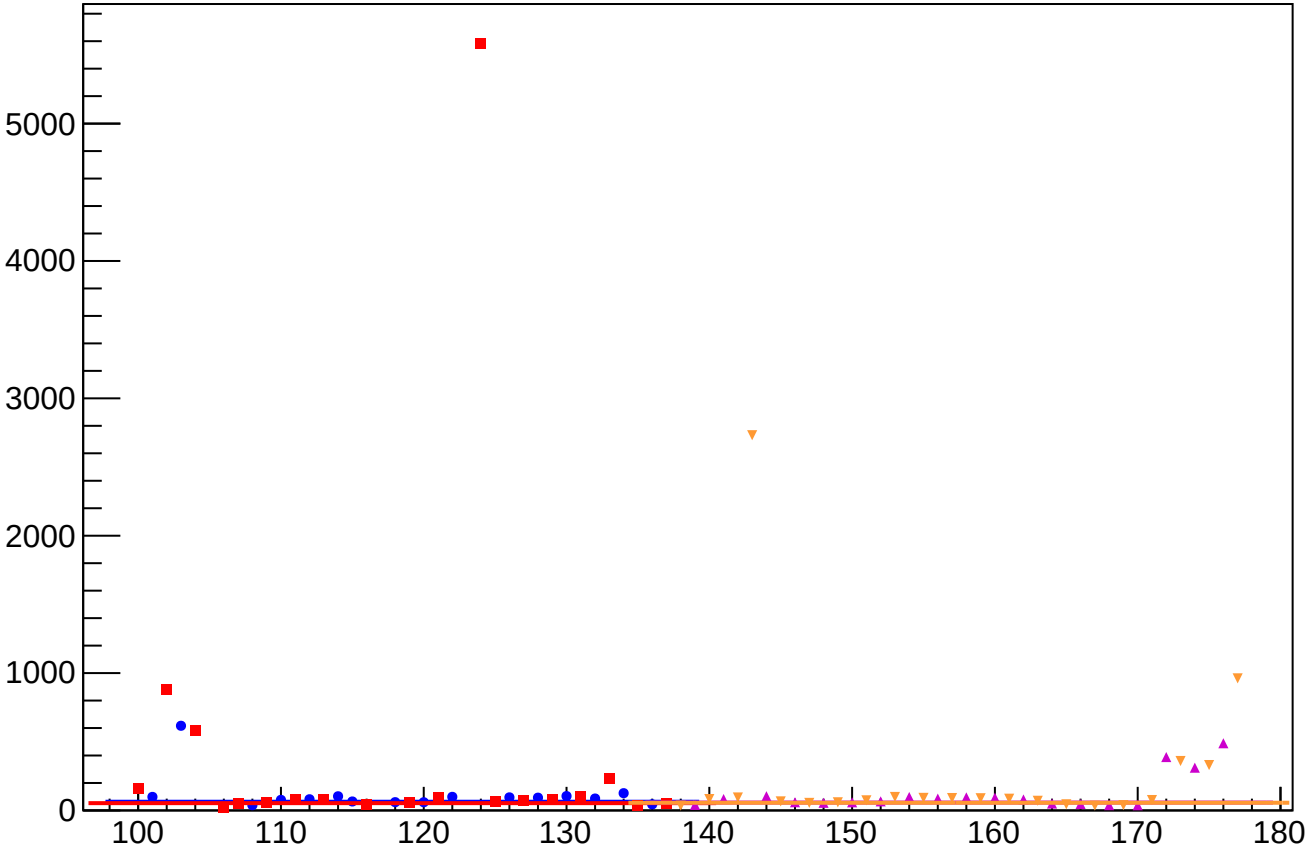
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.013+/-0.015 χ^2/NDF:26.6/34

Out: 0.047+/-0.014 χ^2/NDF:33.9/39

All: 0.018+/-0.010 χ^2/NDF: 69.5/74

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: 56.090+/-0.012 χ^2/NDF:7976960.9/20

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 57.412+/-0.012 χ^2/NDF:5787791.3/18

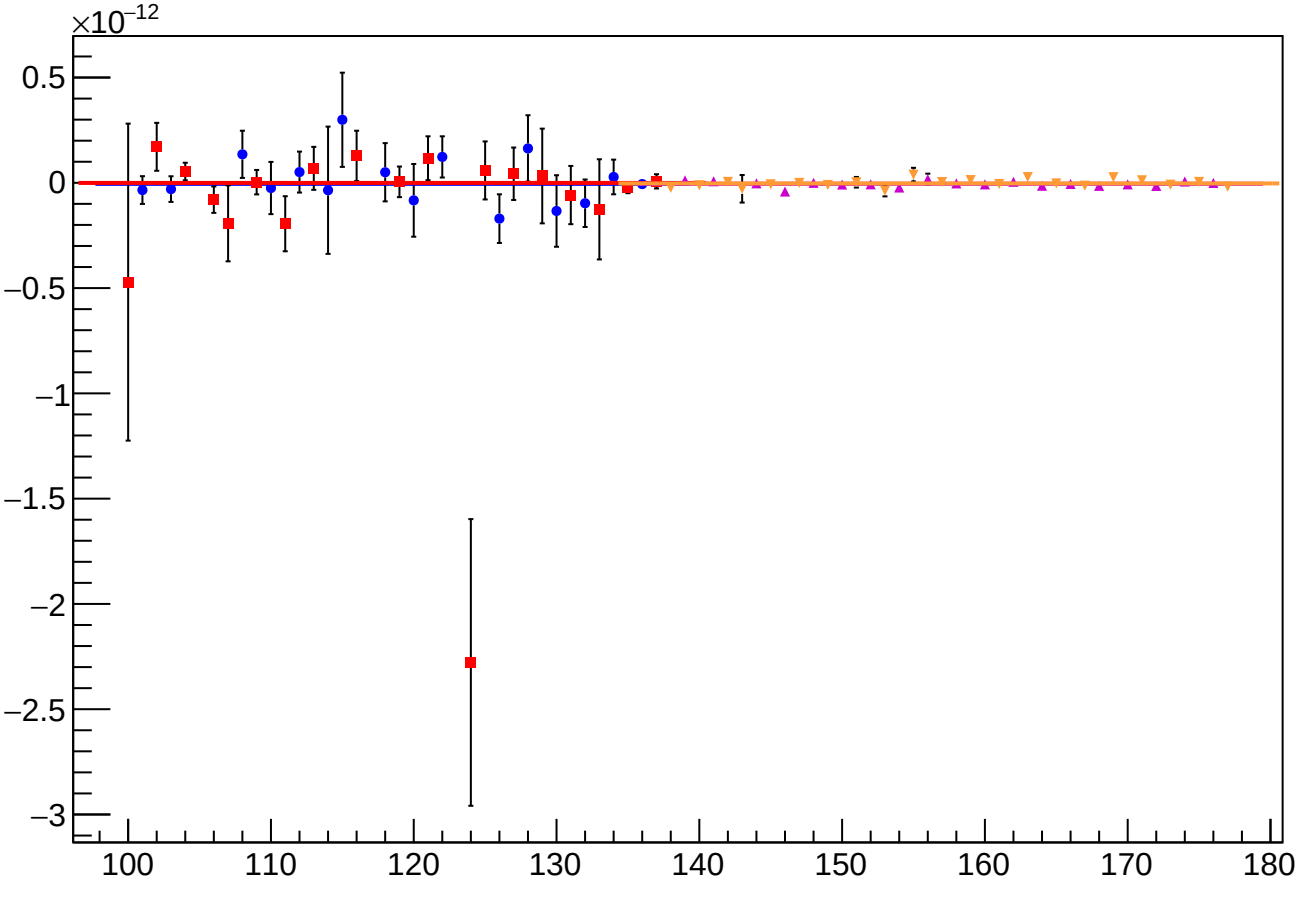
Left: 56.747+/-0.009 χ^2/NDF: 13770727.2/39

Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 59.132+/-0.010 χ^2/NDF:8302920.9/34

Out: 55.165+/-0.010 χ^2/NDF:11941682.5/39

All: 57.085+/-0.007 χ^2/NDF: 20321723.5/74



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

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/20

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:11.1/18

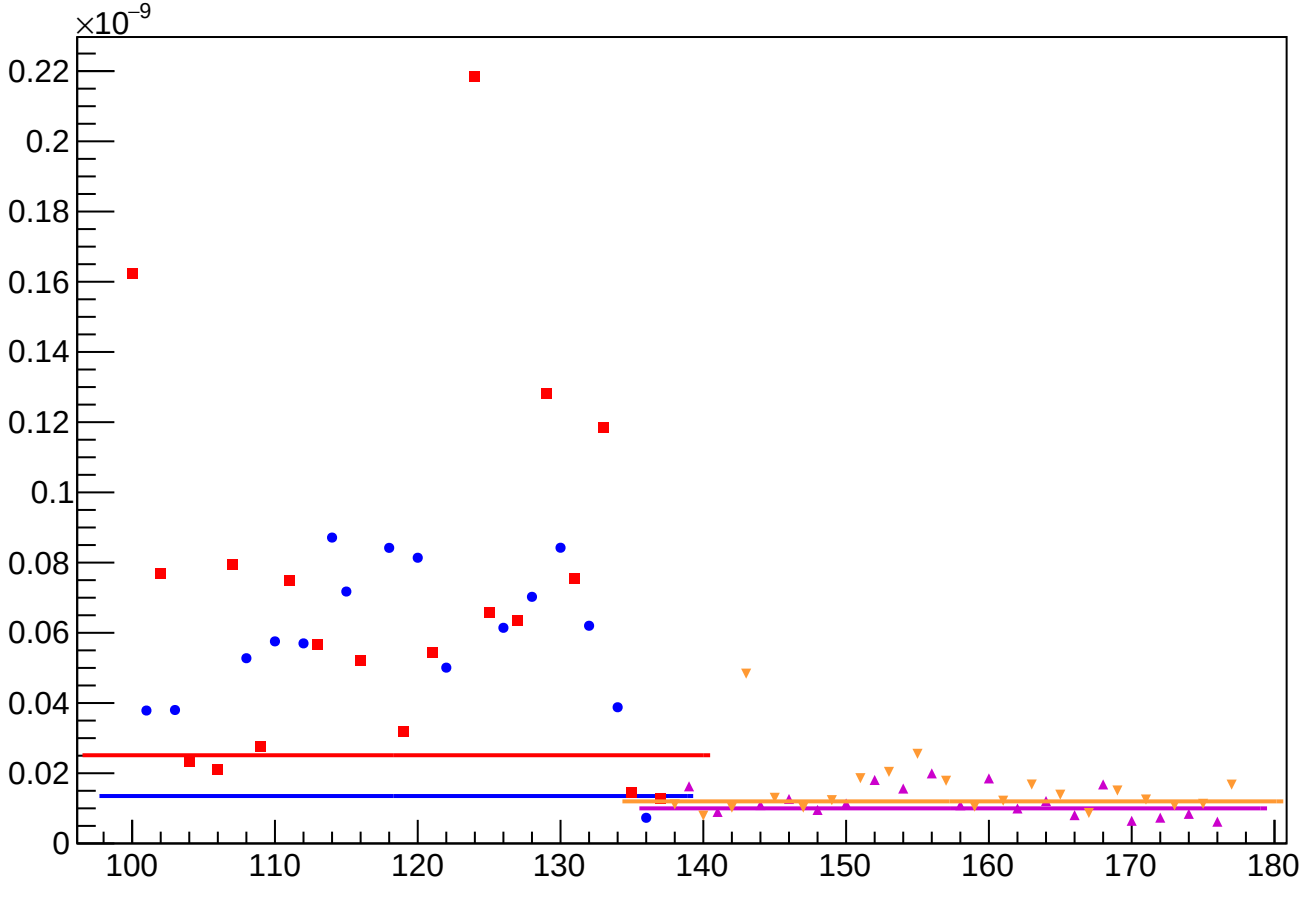
Left: -0.000+/-0.000 χ^2/NDF: 25.5/39

Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: -0.000+/-0.000 χ^2/NDF:21.9/34

Out: -0.000+/-0.000 χ^2/NDF:39.5/39

All: -0.000+/-0.000 χ^2/NDF: 61.5/74



Right In: 0.000+/-0.000 χ^2/NDF: 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2242196.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 3578472.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2130396.2/18

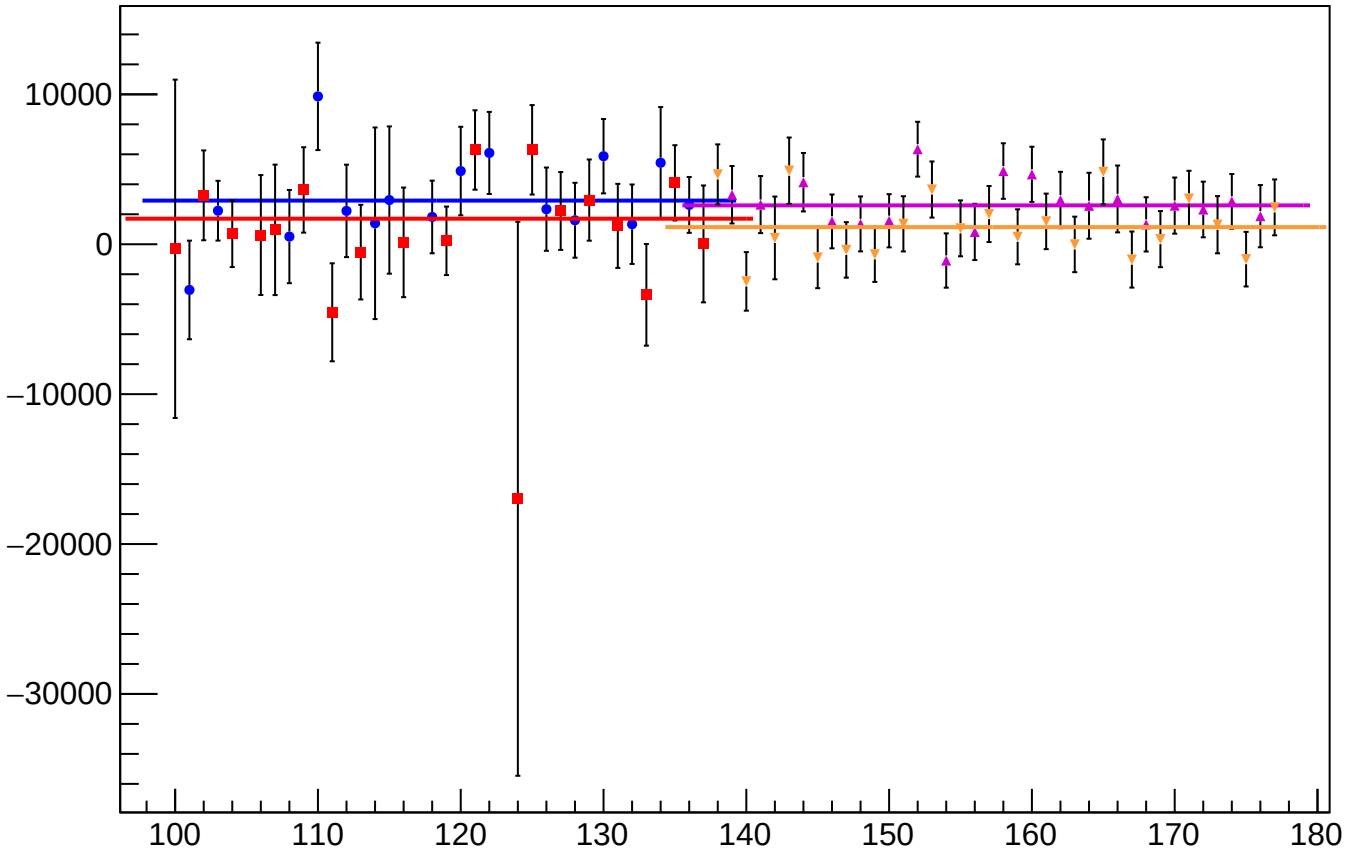
Left: 0.000+/-0.000 χ^2/NDF: 4688181.7/39

Right: 0.000+/-0.000 χ^2/NDF: 9384983.4/34

In: 0.000+/-0.000 χ^2/NDF:7335408.9/34

Out: 0.000+/-0.000 χ^2/NDF:7257496.3/39

All: 0.000+/-0.000 χ^2/NDF: 15092564.5/74



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1143.147+/-420.841 χ^2/NDF:22.1/20

Right Out: 1704.904+/-706.846 χ^2/NDF: 15.8/18

Left In: 2591.848+/-433.762 χ^2/NDF:14.7/18

Left: 1845.600+/-302.044 χ^2/NDF: 42.5/39

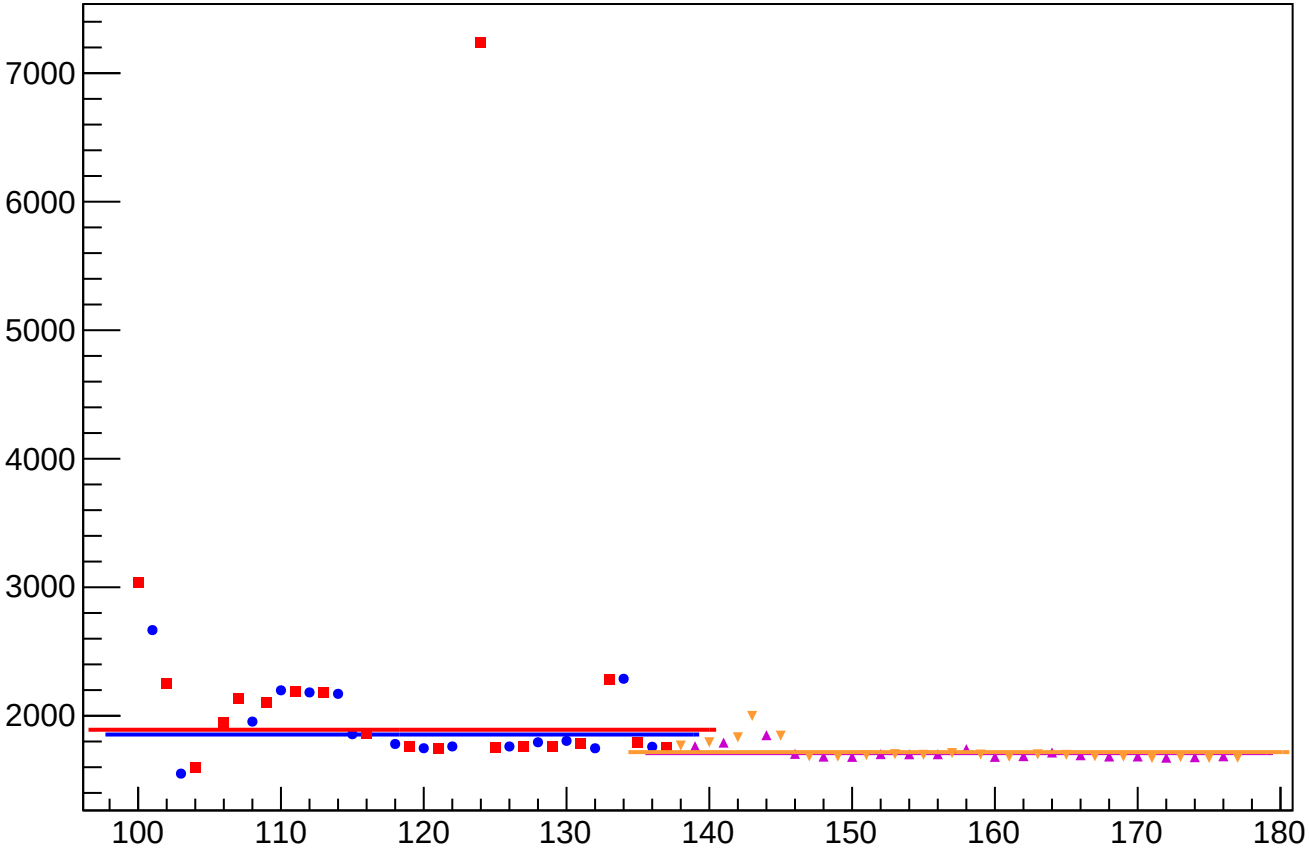
Right: 2319.102+/-495.597 χ^2/NDF: 29.8/34

In: 2681.862+/-367.984 χ^2/NDF:27.3/34

Out: 1290.163+/-361.604 χ^2/NDF:38.3/39

All: 1973.842+/-257.919 χ^2/NDF: 72.9/74

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1717.371+/-0.298 χ^2/NDF:57247.0/20

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

Left In: 1709.458+/-0.307 χ^2/NDF:20512.9/18

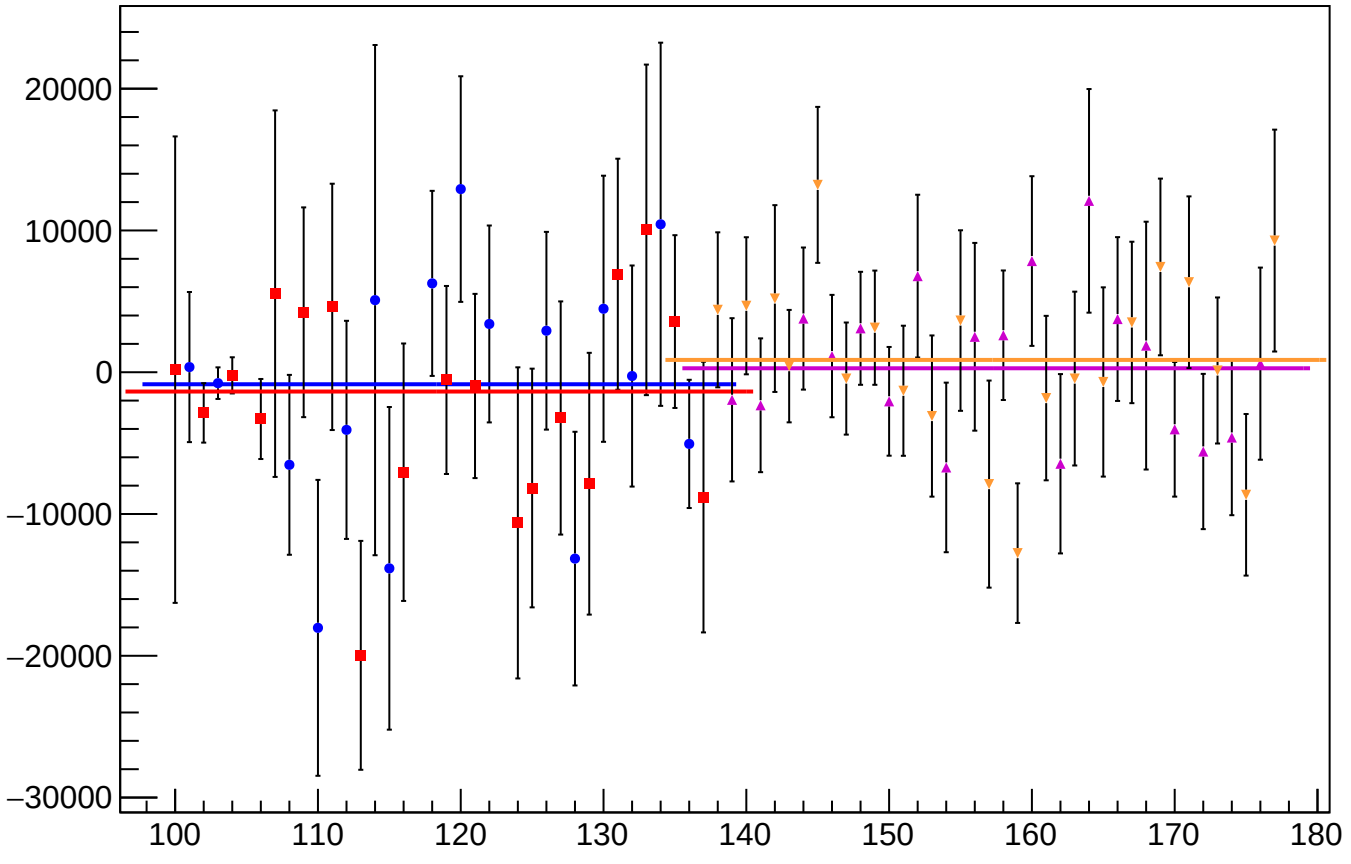
Left: 1713.534+/-0.214 χ^2/NDF: 78102.7/39

Right: 1872.622+/-0.350 χ^2/NDF: 630189.4/34

In: 1750.060+/-0.260 χ^2/NDF:346354.3/34

Out: 1763.090+/-0.256 χ^2/NDF:511182.1/39

All: 1756.693+/-0.182 χ^2/NDF: 858812.9/74



Right In: -847.977+/-962.920 χ^2/NDF: 13.9/15

Left Out: 868.672+/-1168.713 χ^2/NDF:23.4/20

Right Out: -1361.523+/-915.925 χ^2/NDF: 14.0/18

Left In: 278.990+/-1218.577 χ^2/NDF:13.0/18

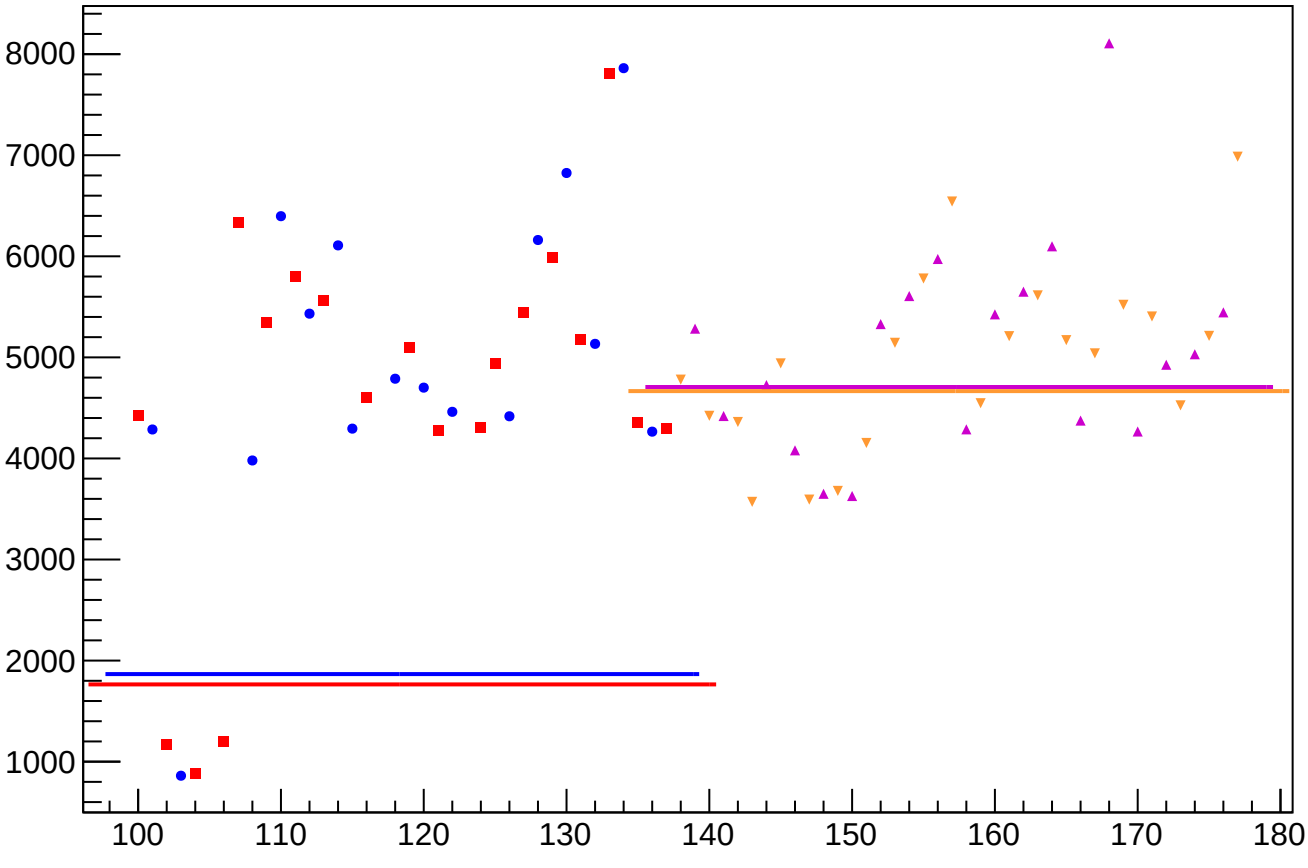
Left: 586.142+/-843.483 χ^2/NDF: 36.5/39

Right: -1117.587+/-663.649 χ^2/NDF: 28.0/34

In: -414.777+/-755.512 χ^2/NDF:27.4/34

Out: -512.946+/-720.912 χ^2/NDF:39.6/39

All: -466.161+/-521.565 χ^2/NDF: 67.1/74



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4666.221+/-0.826 χ^2/NDF:1017352.6/20

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

Left In: 4706.840+/-0.862 χ^2/NDF:1023416.2/18

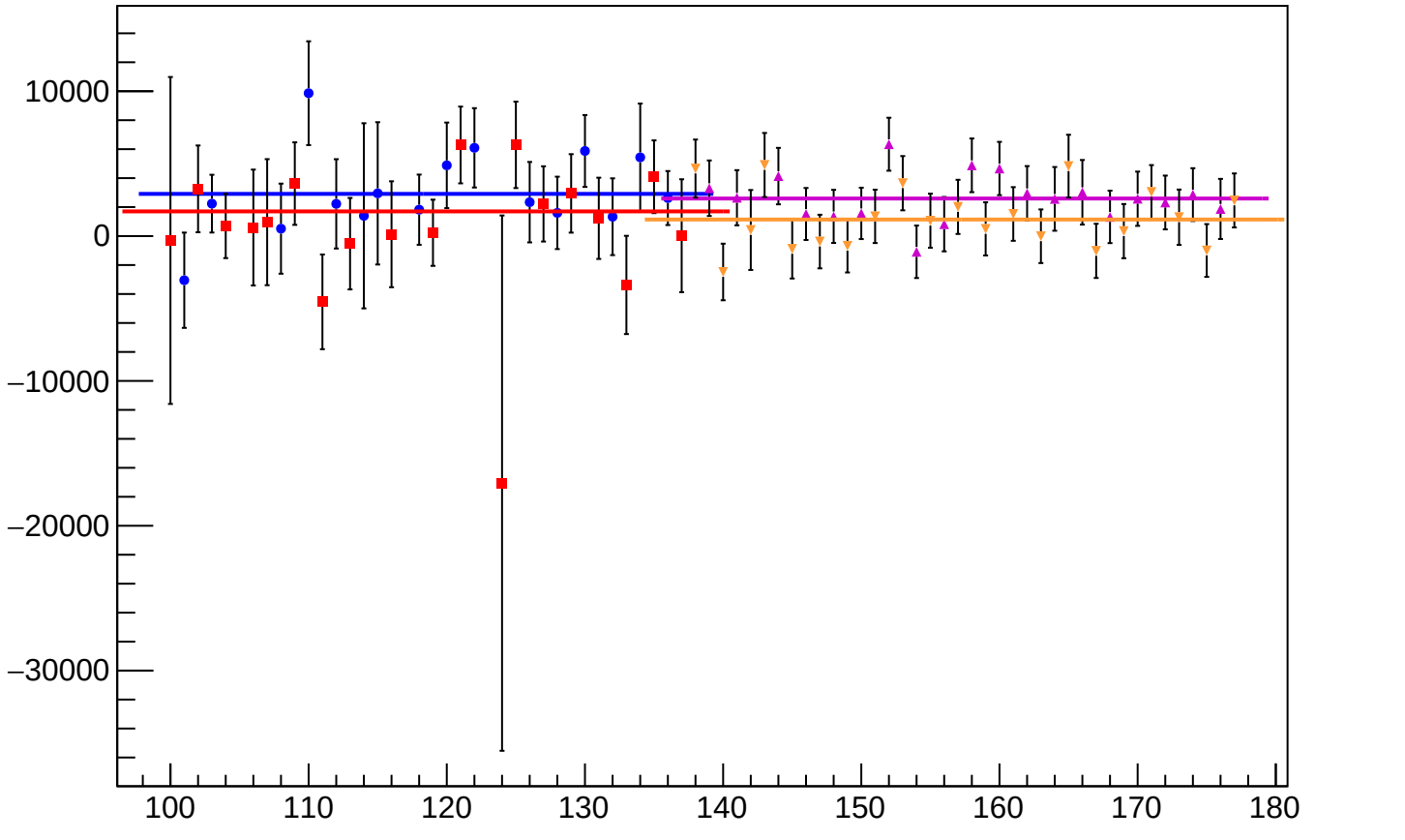
Left: 4685.683+/-0.596 χ^2/NDF: 2041926.4/39

Right: 1812.790+/-0.469 χ^2/NDF: 13296256.2/34

In: 2958.252+/-0.534 χ^2/NDF:14562596.8/34

Out: 2868.454+/-0.510 χ^2/NDF:15091146.7/39

All: 2911.249+/-0.369 χ^2/NDF: 29668532.2/7



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1143.042+/-420.841 χ^2/NDF:22.1/20

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2591.826+/-433.762 χ^2/NDF:14.7/18

Left: 1845.535+/-302.044 χ^2/NDF: 42.5/39

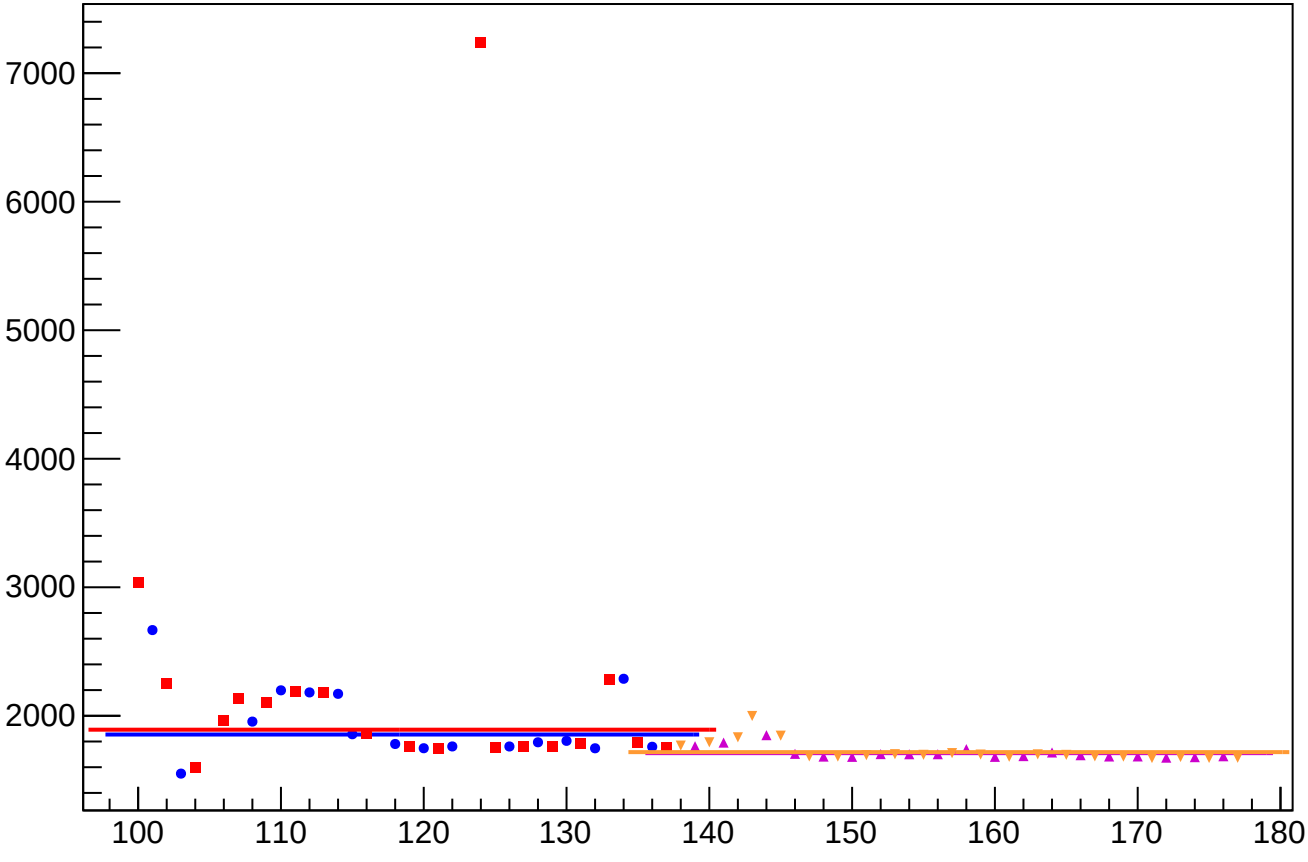
Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2681.874+/-367.984 χ^2/NDF:27.2/34

Out: 1289.724+/-361.604 χ^2/NDF:38.4/39

All: 1973.625+/-257.919 χ^2/NDF: 72.9/74

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1717.371+/-0.298 χ^2/NDF:57247.0/20

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1709.458+/-0.307 χ^2/NDF:20512.9/18

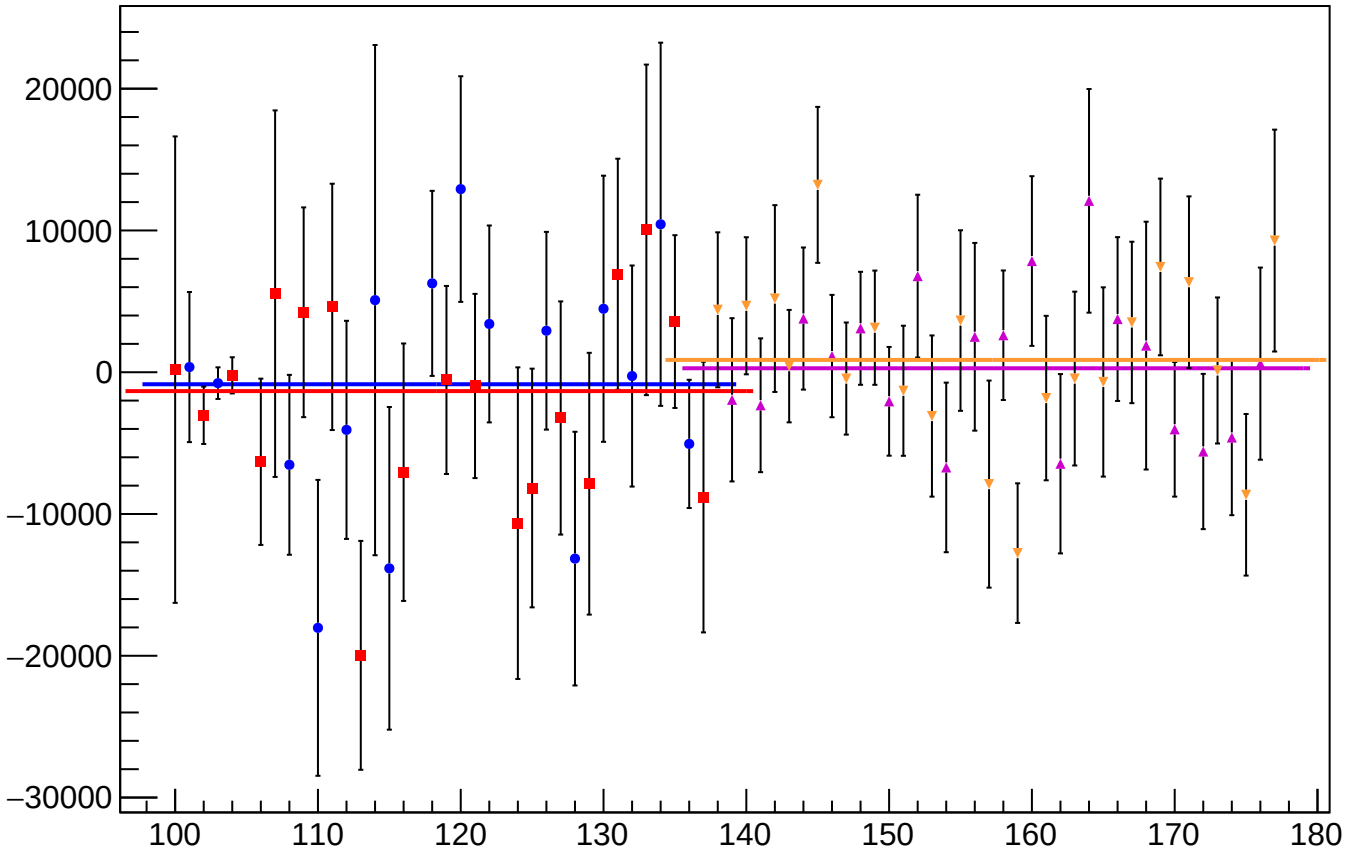
Left: 1713.534+/-0.214 χ^2/NDF: 78102.7/39

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1750.060+/-0.260 χ^2/NDF:346354.2/34

Out: 1763.195+/-0.256 χ^2/NDF:511867.3/39

All: 1756.746+/-0.182 χ^2/NDF: 859518.6/74



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 868.662+/-1168.712 χ^2/NDF:23.4/20

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: 279.051+/-1218.577 χ^2/NDF:13.0/18

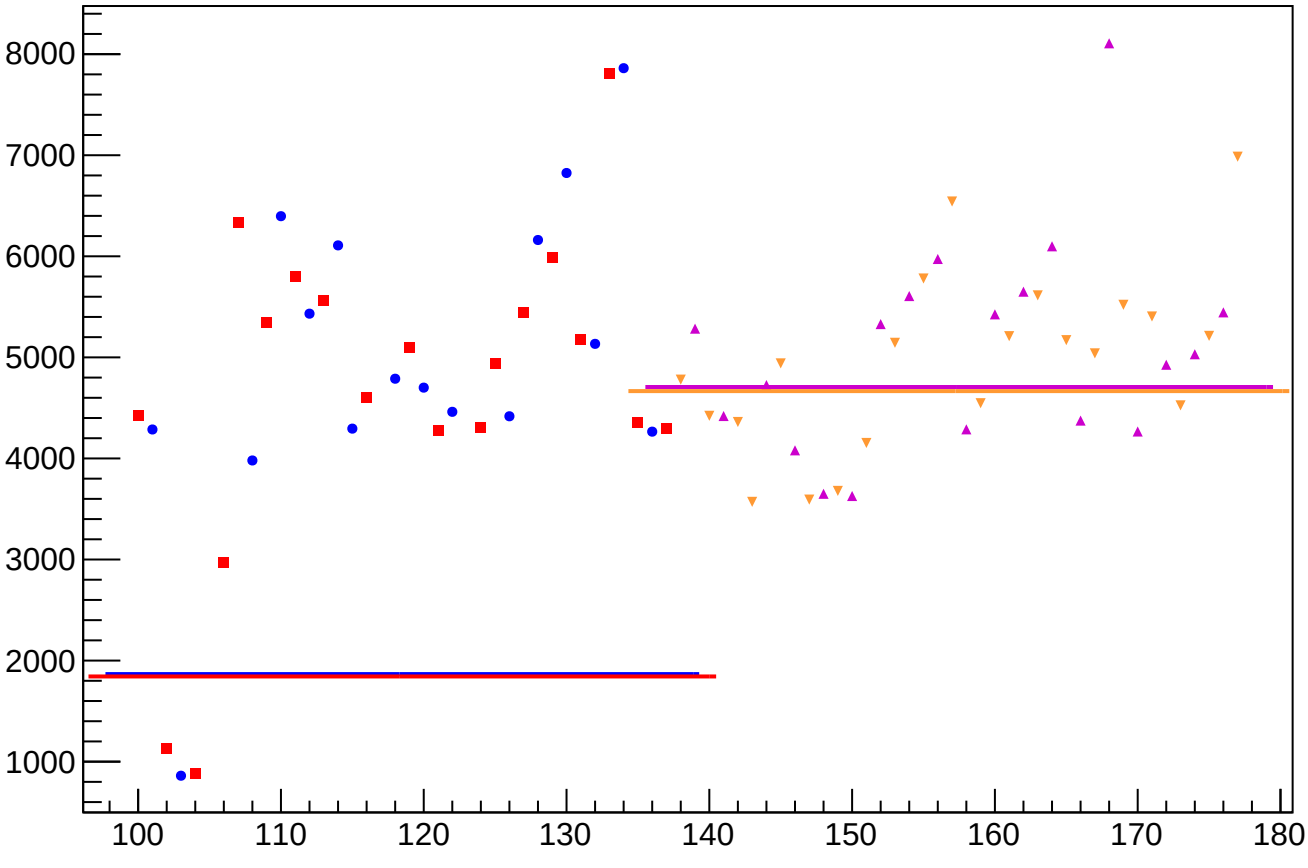
Left: 586.167+/-843.482 χ^2/NDF: 36.5/39

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -414.492+/-755.486 χ^2/NDF:27.4/34

Out: -458.106+/-736.319 χ^2/NDF:39.9/39

All: -436.859+/-527.302 χ^2/NDF: 67.3/74



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4666.215+/-0.826 χ^2/NDF:1017368.0/20

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4706.839+/-0.862 χ^2/NDF:1023433.0/18

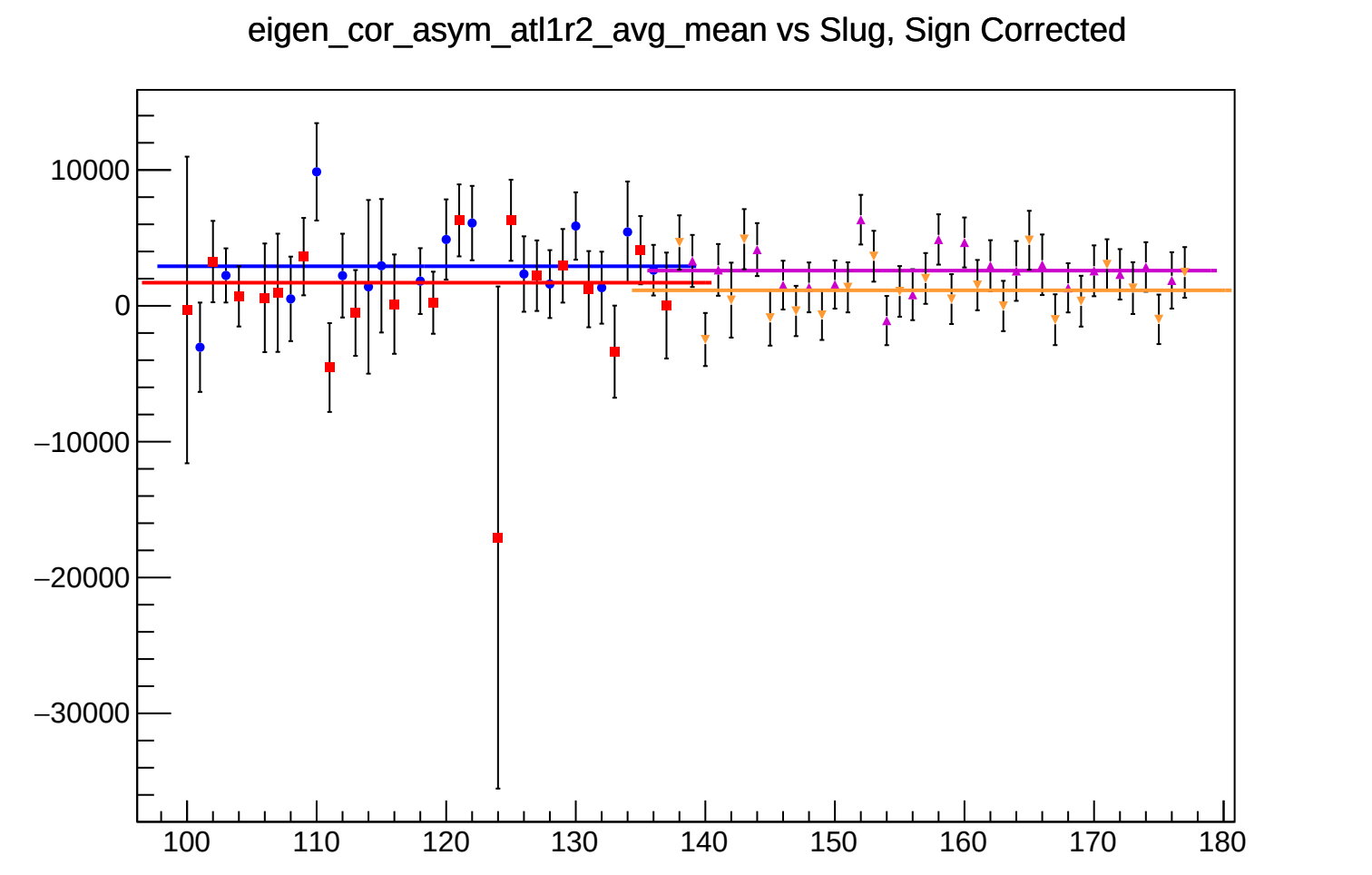
Left: 4685.679+/-0.596 χ^2/NDF: 2041958.7/39

Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2958.082+/-0.534 χ^2/NDF:14564037.2/34

Out: 2963.555+/-0.521 χ^2/NDF:14514727.7/39

All: 2960.889+/-0.373 χ^2/NDF: 29078818.8/7



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1143.042+/-420.841 χ^2/NDF:22.1/20

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2591.826+/-433.762 χ^2/NDF:14.7/18

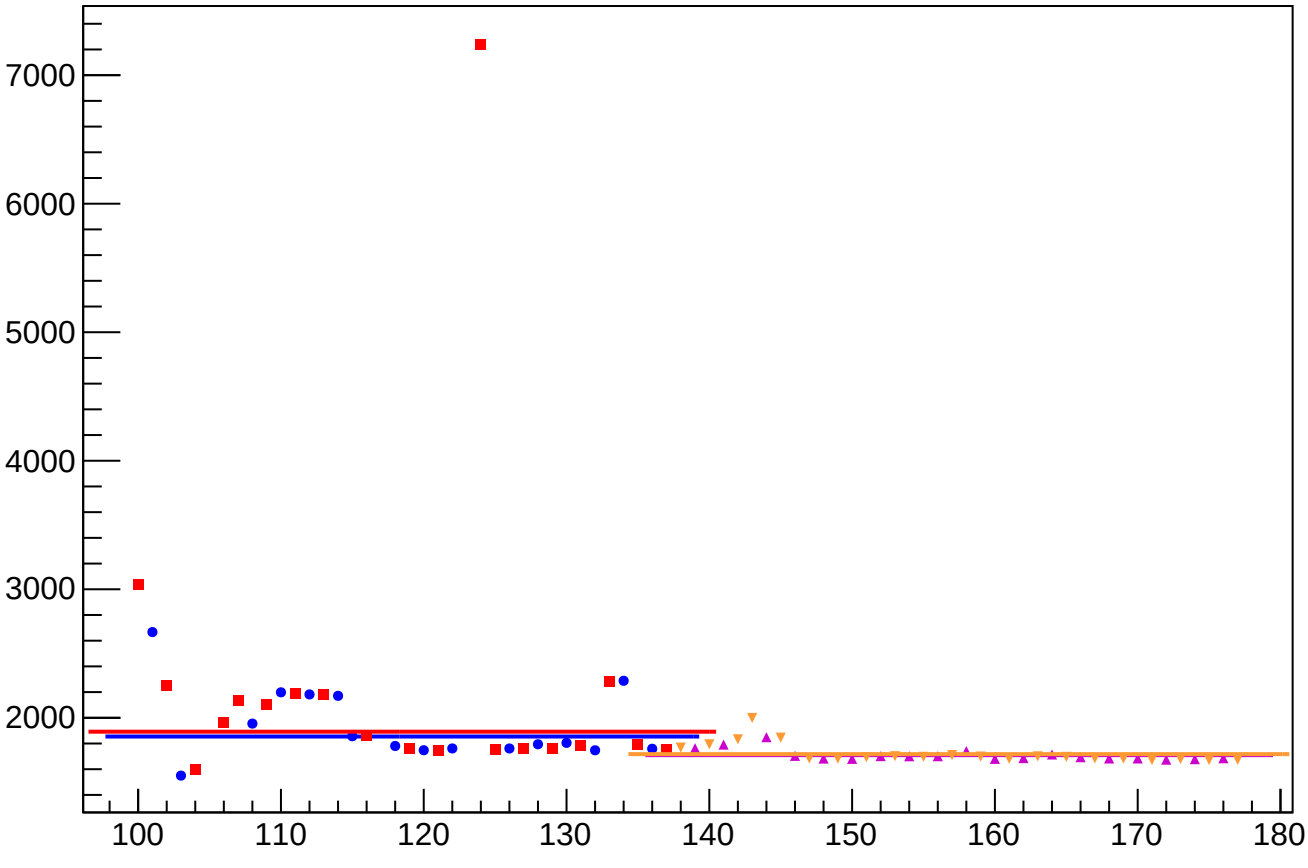
Left: 1845.535+/-302.044 χ^2/NDF: 42.5/39

Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2681.874+/-367.984 χ^2/NDF:27.2/34

Out: 1289.724+/-361.604 χ^2/NDF:38.4/39

All: 1973.625+/-257.919 χ^2/NDF: 72.9/74



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1717.371+/-0.298 χ^2/NDF:57247.0/20

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1709.458+/-0.307 χ^2/NDF:20512.9/18

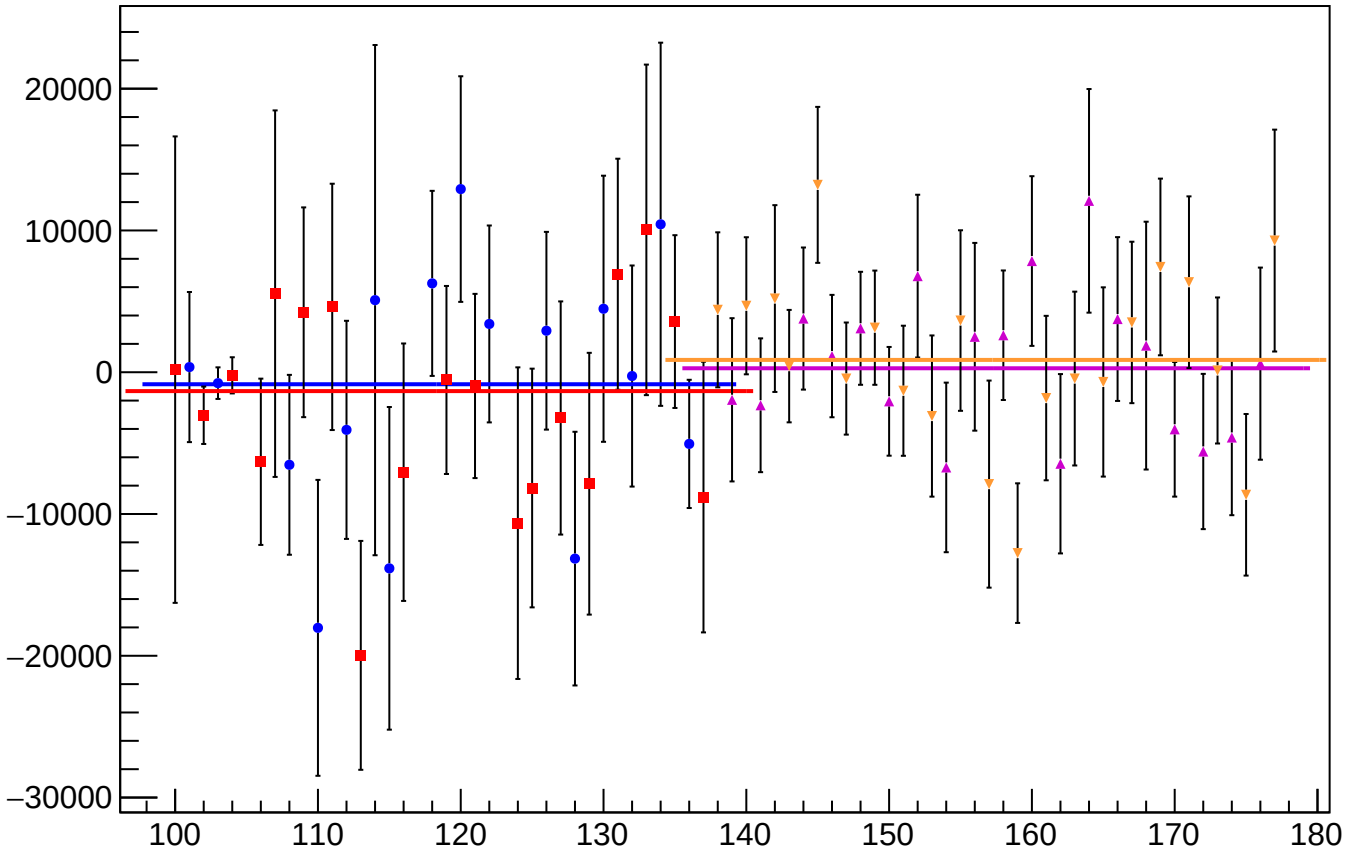
Left: 1713.534+/-0.214 χ^2/NDF: 78102.7/39

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1750.060+/-0.260 χ^2/NDF:346354.2/34

Out: 1763.195+/-0.256 χ^2/NDF:511867.3/39

All: 1756.746+/-0.182 χ^2/NDF: 859518.6/74



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 868.662+/-1168.712 χ^2/NDF:23.4/20

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: 279.051+/-1218.577 χ^2/NDF:13.0/18

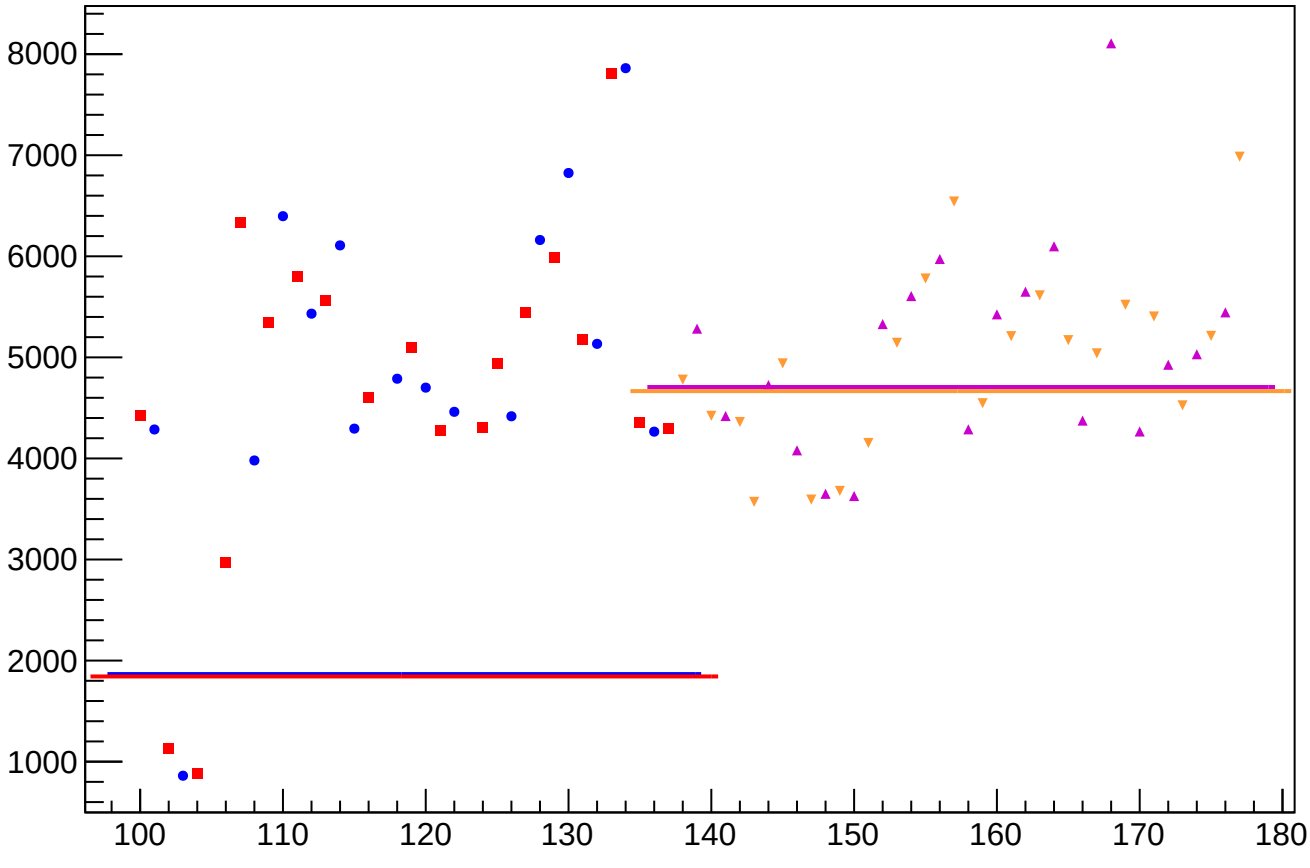
Left: 586.167+/-843.482 χ^2/NDF: 36.5/39

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -414.492+/-755.486 χ^2/NDF:27.4/34

Out: -458.106+/-736.319 χ^2/NDF:39.9/39

All: -436.859+/-527.302 χ^2/NDF: 67.3/74



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4666.215+/-0.826 χ^2/NDF:1017368.0/20

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4706.839+/-0.862 χ^2/NDF:1023433.0/18

Left: 4685.679+/-0.596 χ^2/NDF: 2041958.7/39

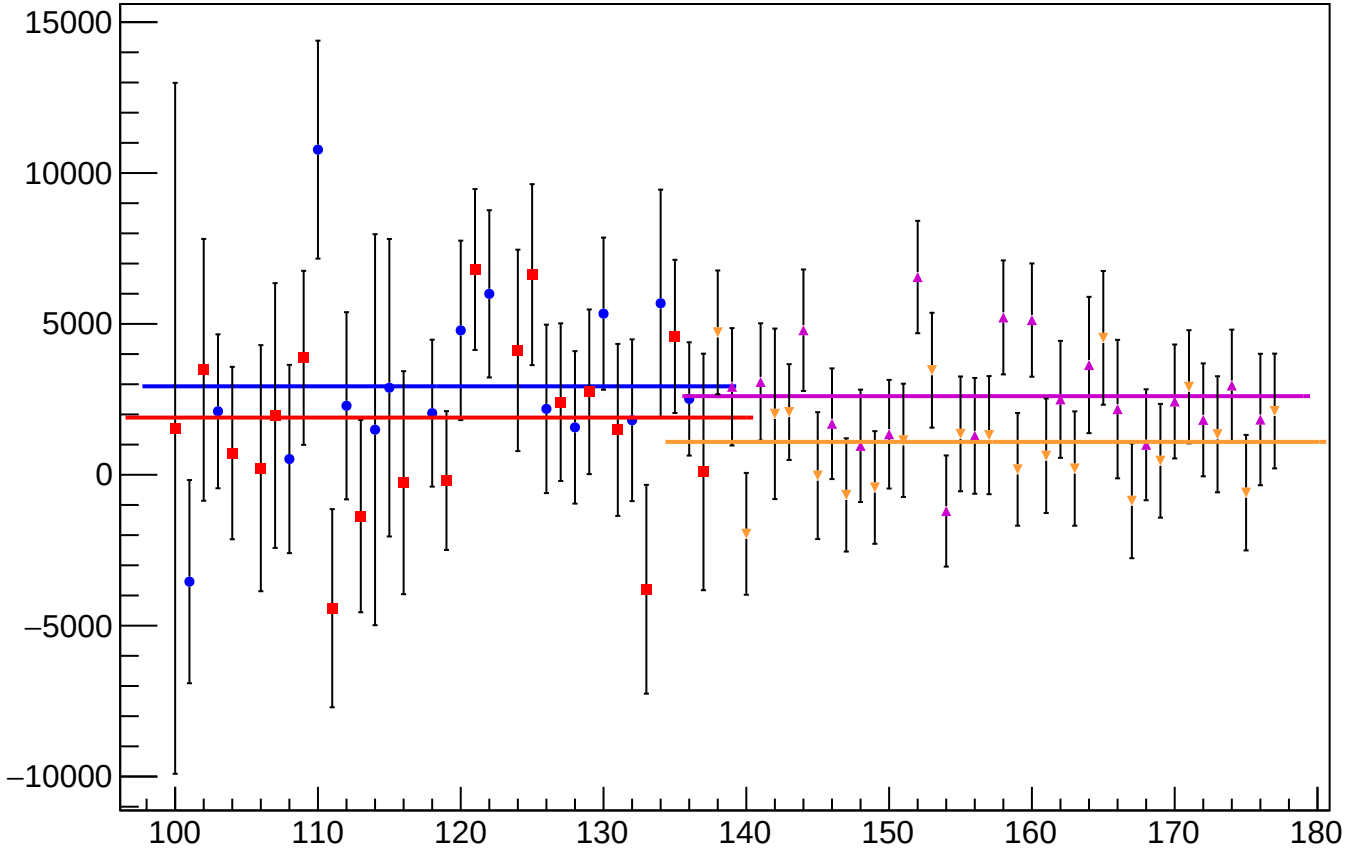
Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2958.082+/-0.534 χ^2/NDF:14564037.2/34

Out: 2963.555+/-0.521 χ^2/NDF:14514727.7/39

All: 2960.889+/-0.373 χ^2/NDF: 29078818.8/7

dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1090.563+/-422.277 χ^2/NDF:15.4/20

Right Out: 1895.503+/-721.954 χ^2/NDF: 17.4/18

Left In: 2605.397+/-442.560 χ^2/NDF:17.1/18

Left: 1812.472+/-305.514 χ^2/NDF: 38.7/39

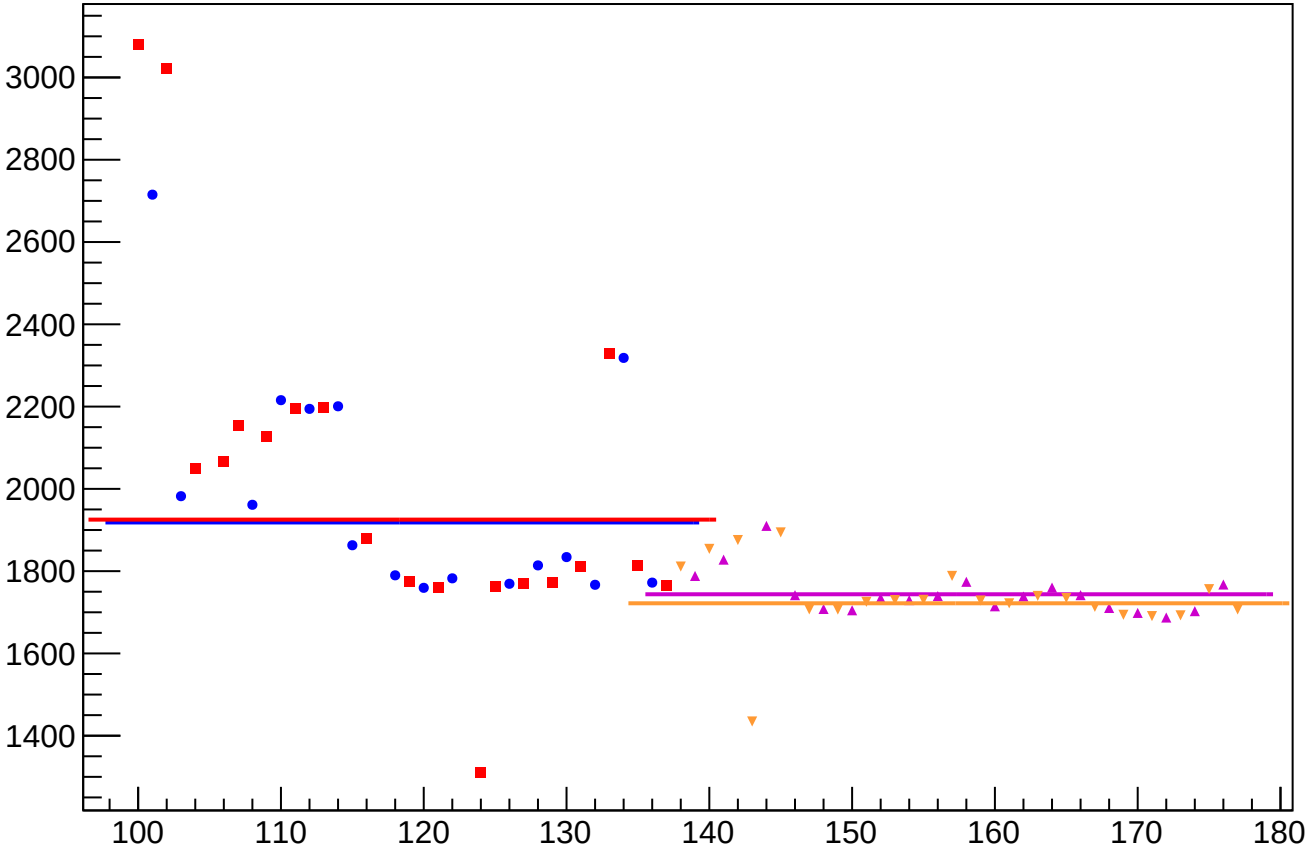
Right: 2416.221+/-509.204 χ^2/NDF: 31.4/34

In: 2695.177+/-376.787 χ^2/NDF:30.2/34

Out: 1295.749+/-364.504 χ^2/NDF:33.7/39

All: 1972.281+/-261.978 χ^2/NDF: 71.1/74

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1721.881+/-0.299 χ^2/NDF:102378.3/20

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

Left In: 1743.824+/-0.313 χ^2/NDF:26272.9/18

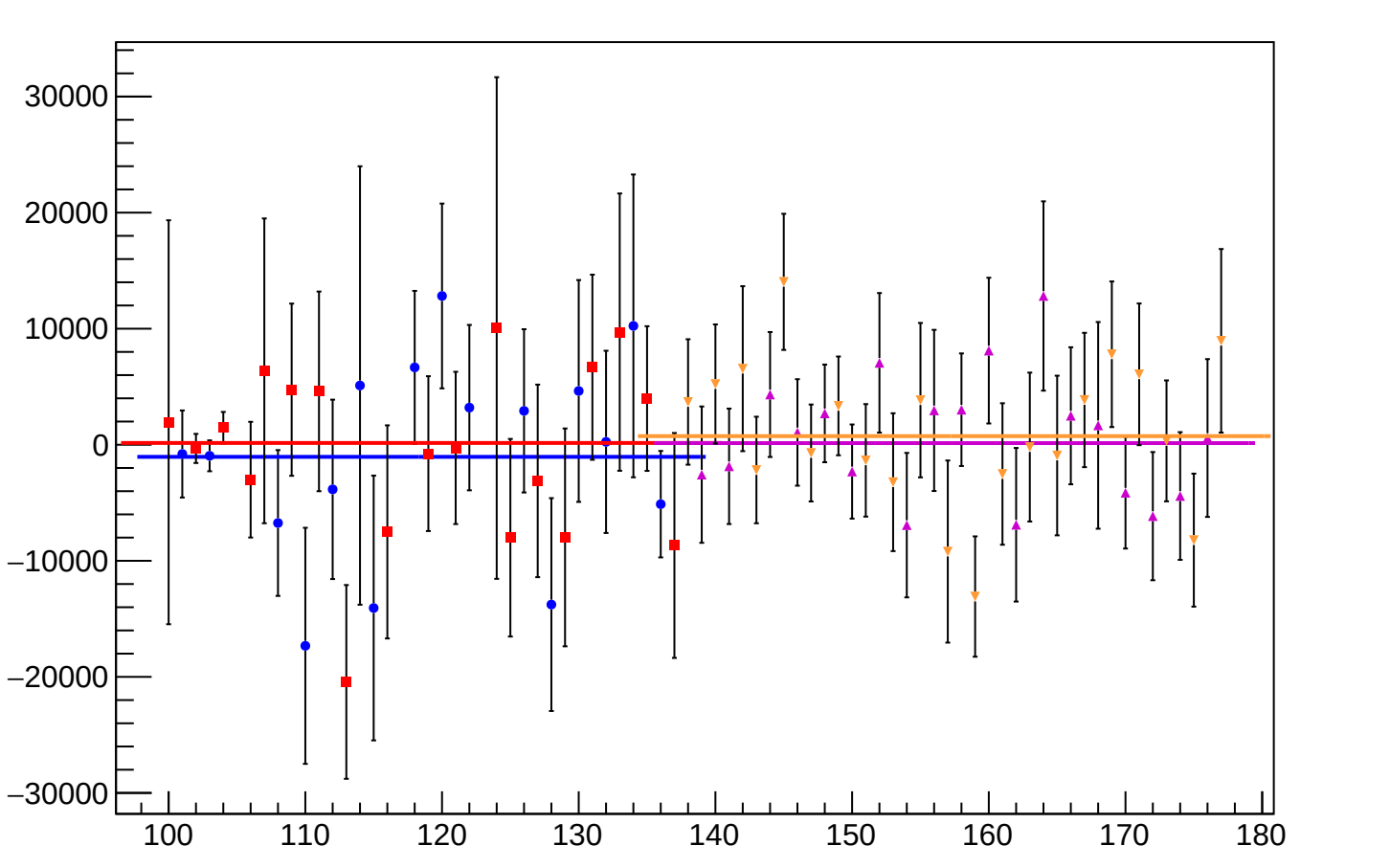
Left: 1732.338+/-0.216 χ^2/NDF: 131224.8/39

Right: 1921.799+/-0.360 χ^2/NDF: 554779.7/34

In: 1791.850+/-0.266 χ^2/NDF:327463.6/34

Out: 1773.788+/-0.258 χ^2/NDF:559876.6/39

All: 1782.518+/-0.185 χ^2/NDF: 889714.9/74



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 742.697+/-1225.558 χ^2/NDF:23.5/20

Right Out: 153.619+/-835.656 χ^2/NDF: 13.7/18

Left In: 141.832+/-1269.223 χ^2/NDF:13.0/18

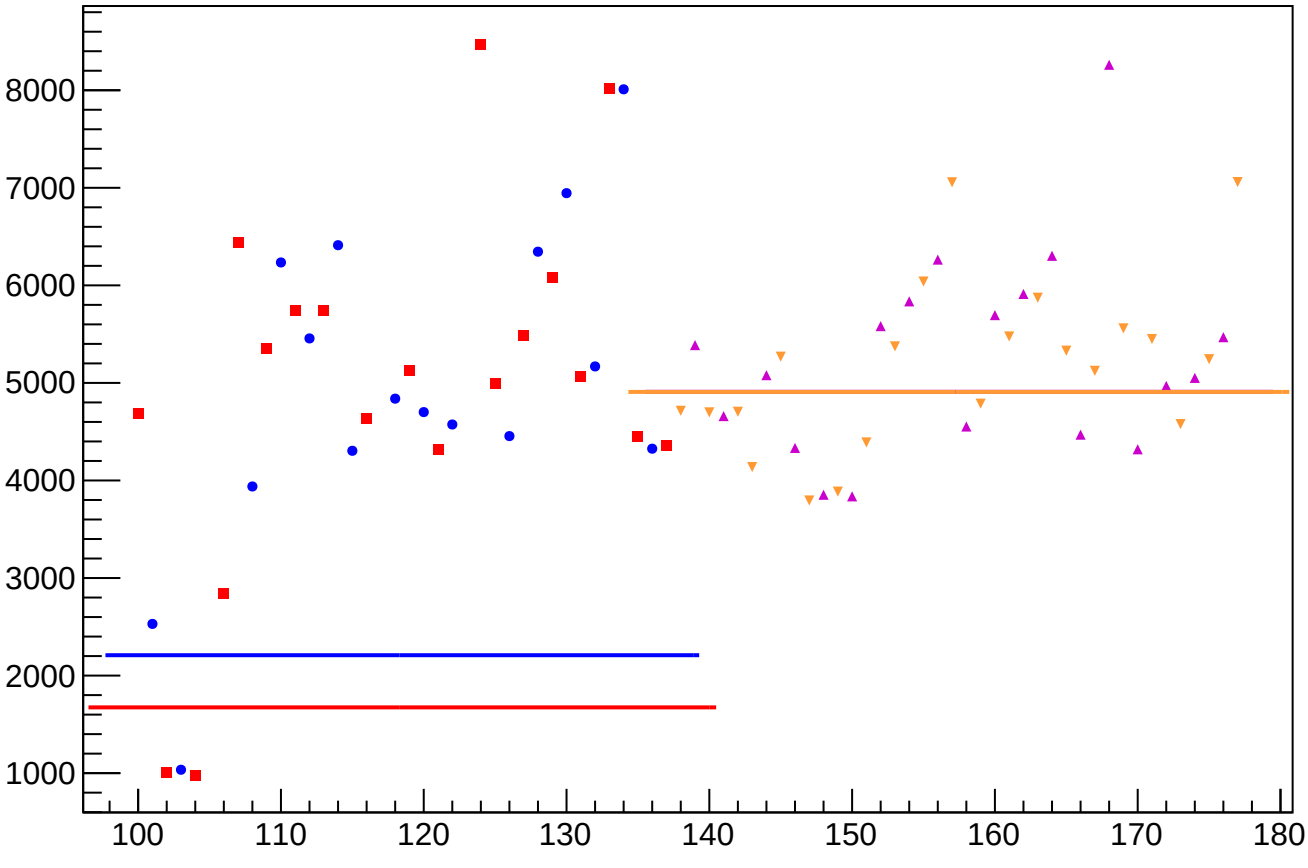
Left: 452.778+/-881.633 χ^2/NDF: 36.7/39

Right: -298.053+/-659.161 χ^2/NDF: 28.3/34

In: -548.835+/-819.154 χ^2/NDF:27.4/34

Out: 340.577+/-690.429 χ^2/NDF:37.4/39

All: -28.835+/-527.921 χ^2/NDF: 65.5/74



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4907.795+/-0.867 χ^2/NDF:846190.9/20

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

Left In: 4908.748+/-0.897 χ^2/NDF:949043.5/18

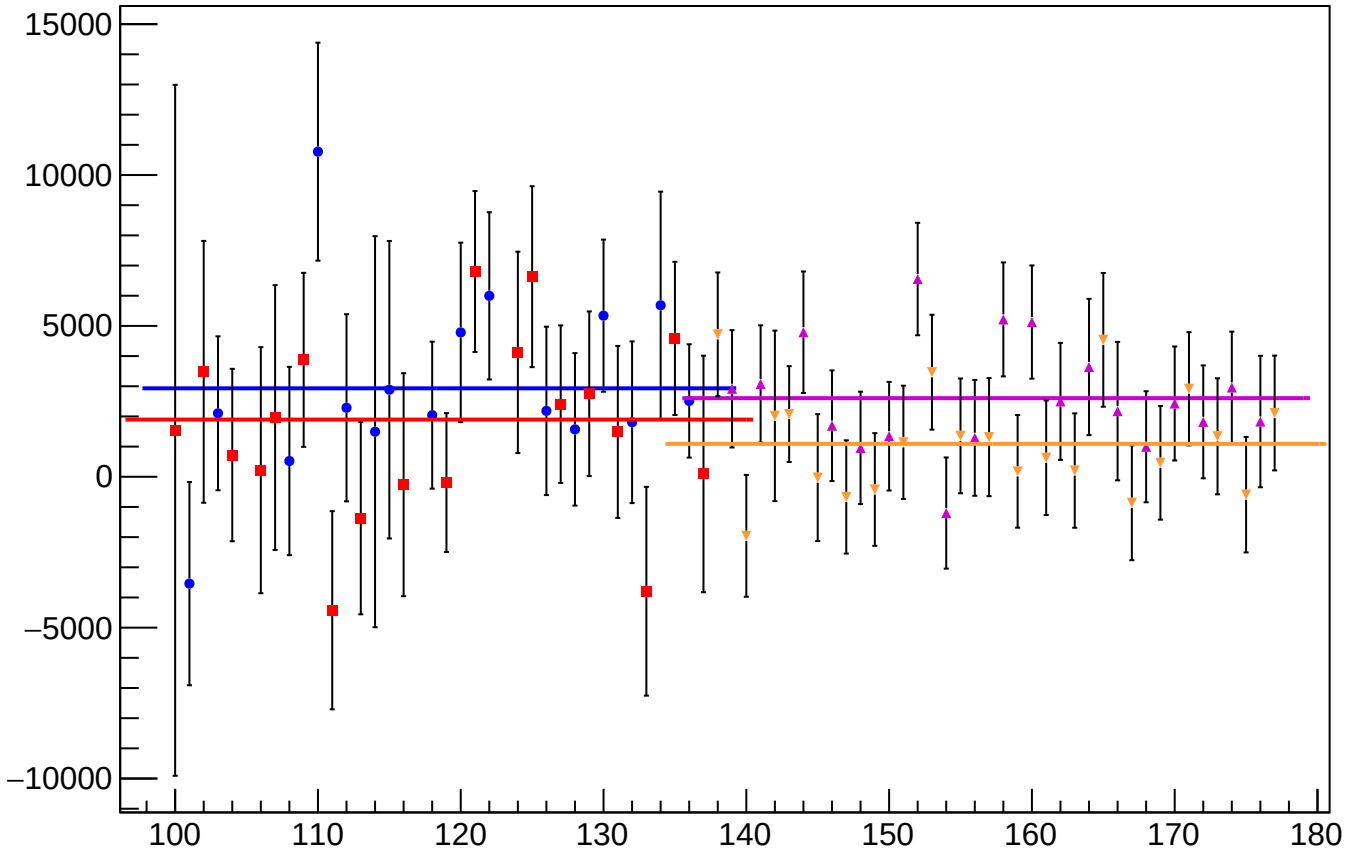
Left: 4908.255+/-0.623 χ^2/NDF: 1795235.0/39

Right: 1876.192+/-0.466 χ^2/NDF: 12661639.3/34

In: 3333.497+/-0.579 χ^2/NDF:11728144.5/34

Out: 2700.430+/-0.488 χ^2/NDF:17203853.2/39

All: 2963.371+/-0.373 χ^2/NDF: 29630390.1/7



Right In: 2931.693+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1090.557+/-422.278 χ^2/NDF:15.4/20

Right Out: 1895.508+/-721.953 χ^2/NDF: 17.4/18

Left In: 2605.400+/-442.561 χ^2/NDF:17.1/18

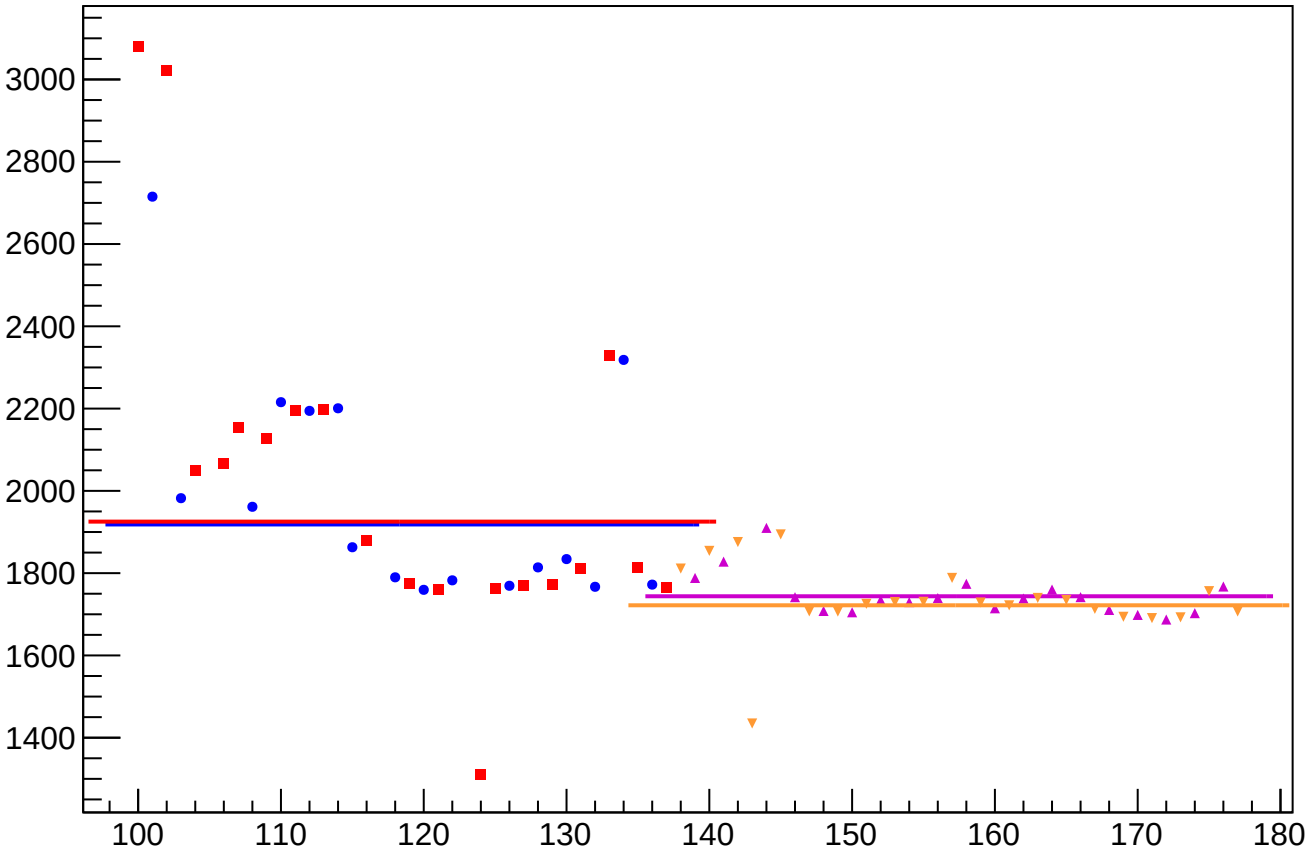
Left: 1812.470+/-305.514 χ^2/NDF: 38.7/39

Right: 2416.225+/-509.203 χ^2/NDF: 31.4/34

In: 2695.180+/-376.787 χ^2/NDF:30.2/34

Out: 1295.747+/-364.504 χ^2/NDF:33.7/39

All: 1972.282+/-261.978 χ^2/NDF: 71.1/74



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1721.882+/-0.299 χ^2/NDF:102377.5/20

Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 1743.825+/-0.313 χ^2/NDF:26272.9/18

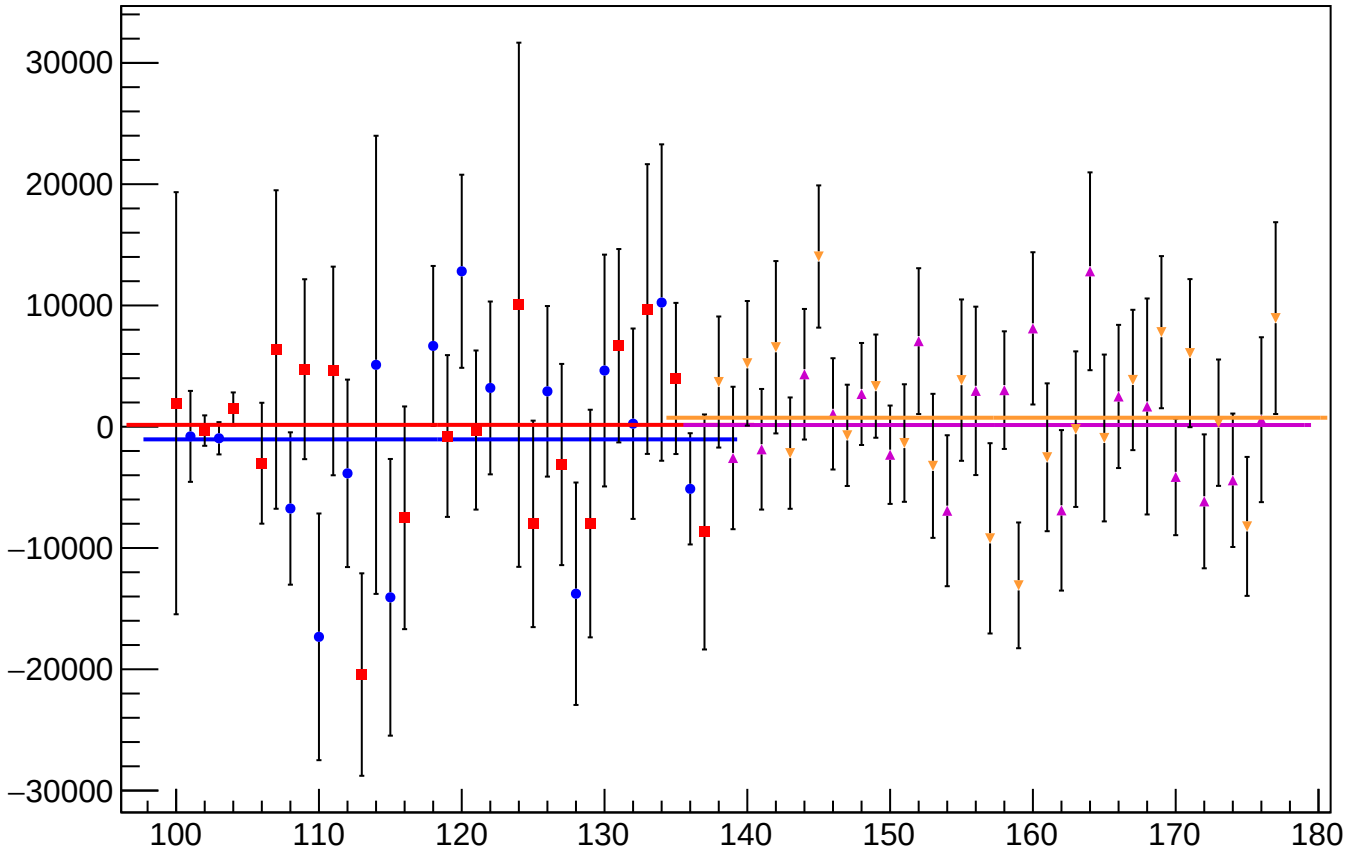
Left: 1732.339+/-0.216 χ^2/NDF: 131224.0/39

Right: 1921.798+/-0.360 χ^2/NDF: 554778.8/34

In: 1791.851+/-0.266 χ^2/NDF:327462.3/34

Out: 1773.788+/-0.258 χ^2/NDF:559873.1/39

All: 1782.518+/-0.185 χ^2/NDF: 889710.0/74



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 742.696+/-1225.560 χ^2/NDF:23.5/20

Right Out: 153.614+/-835.655 χ^2/NDF: 13.7/18

Left In: 141.830+/-1269.225 χ^2/NDF:13.0/18

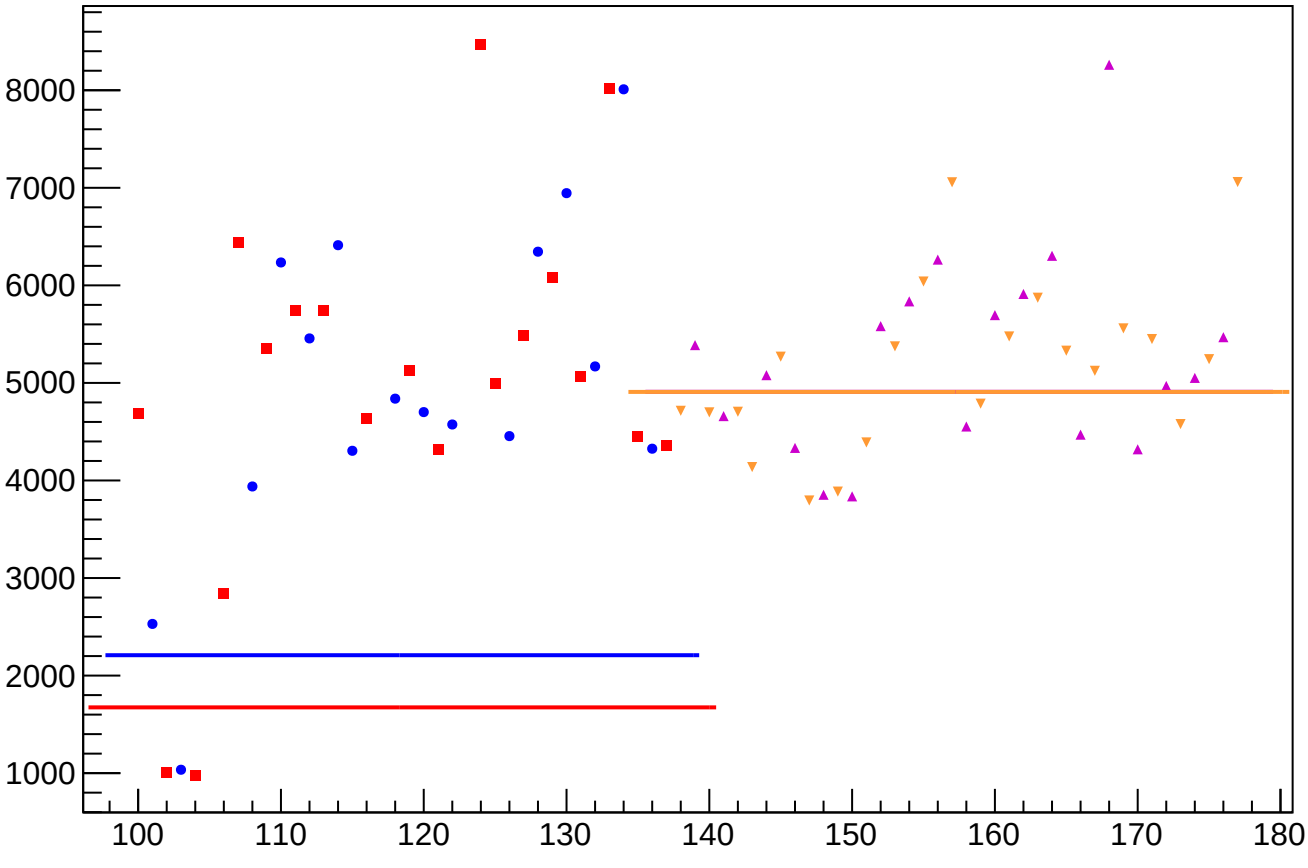
Left: 452.776+/-881.634 χ^2/NDF: 36.7/39

Right: -298.056+/-659.161 χ^2/NDF: 28.3/34

In: -548.836+/-819.154 χ^2/NDF:27.4/34

Out: 340.572+/-690.429 χ^2/NDF:37.4/39

All: -28.838+/-527.921 χ^2/NDF: 65.5/74



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4907.803+/-0.867 χ^2/NDF:846190.4/20

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

Left In: 4908.756+/-0.897 χ^2/NDF:949044.1/18

Left: 4908.263+/-0.623 χ^2/NDF: 1795235.0/39

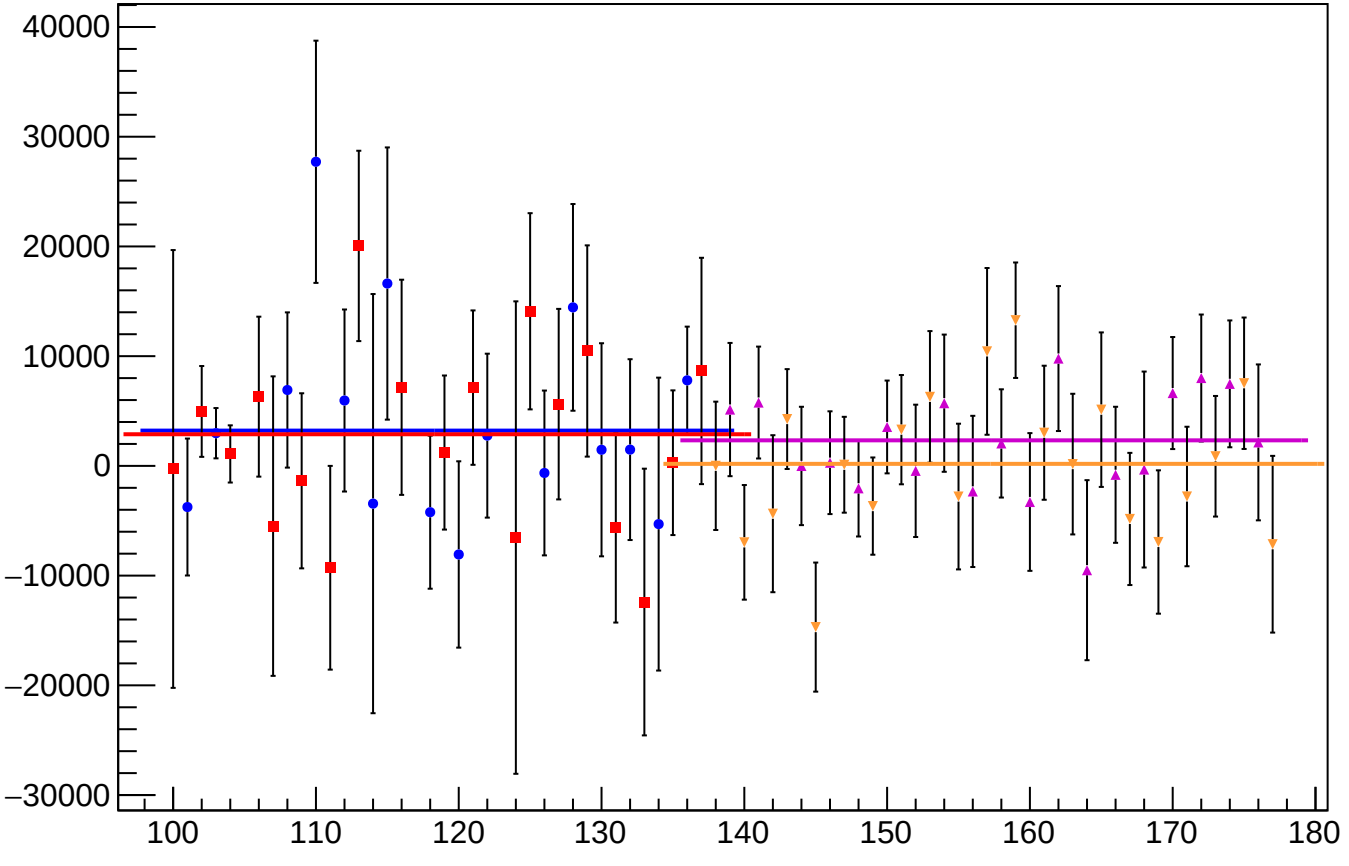
Right: 1876.191+/-0.466 χ^2/NDF: 12661624.0/34

In: 3333.497+/-0.579 χ^2/NDF:11728164.3/34

Out: 2700.429+/-0.488 χ^2/NDF:17203876.3/39

All: 2963.370+/-0.373 χ^2/NDF: 29630433.7/7

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: 185.142+/-1256.241 χ^2/NDF:25.0/20

Right Out: 2883.411+/-1552.120 χ^2/NDF: 13.4/18

Left In: 2328.525+/-1303.786 χ^2/NDF:10.1/18

Left: 1217.041+/-904.638 χ^2/NDF: 36.5/39

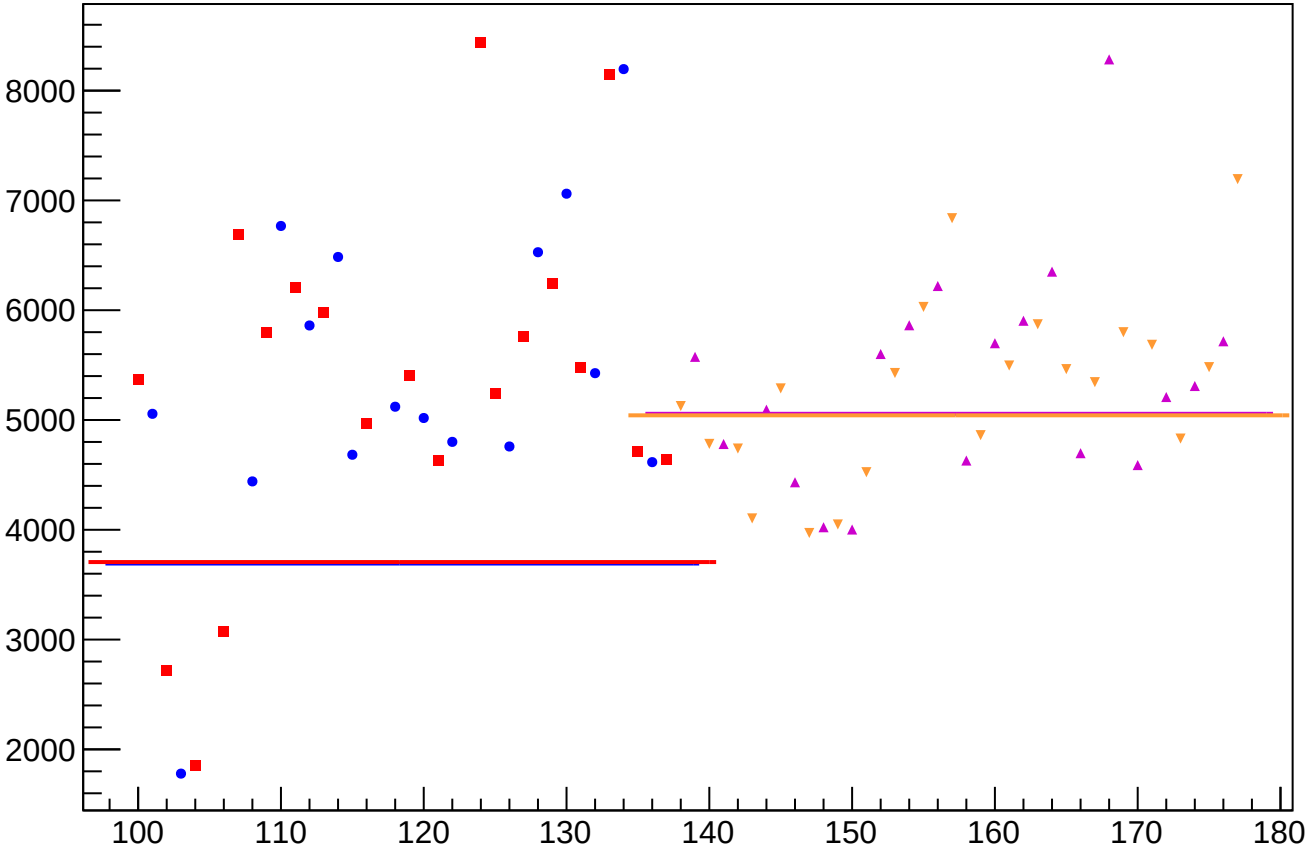
Right: 3050.935+/-1092.940 χ^2/NDF: 27.2/34

In: 2699.130+/-994.867 χ^2/NDF:24.1/34

Out: 1253.118+/-976.480 χ^2/NDF:40.3/39

All: 1962.638+/-696.885 χ^2/NDF: 65.4/74

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 5042.549+/-0.888 χ^2/NDF:767036.9/20

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

Left In: 5056.314+/-0.922 χ^2/NDF:823605.4/18

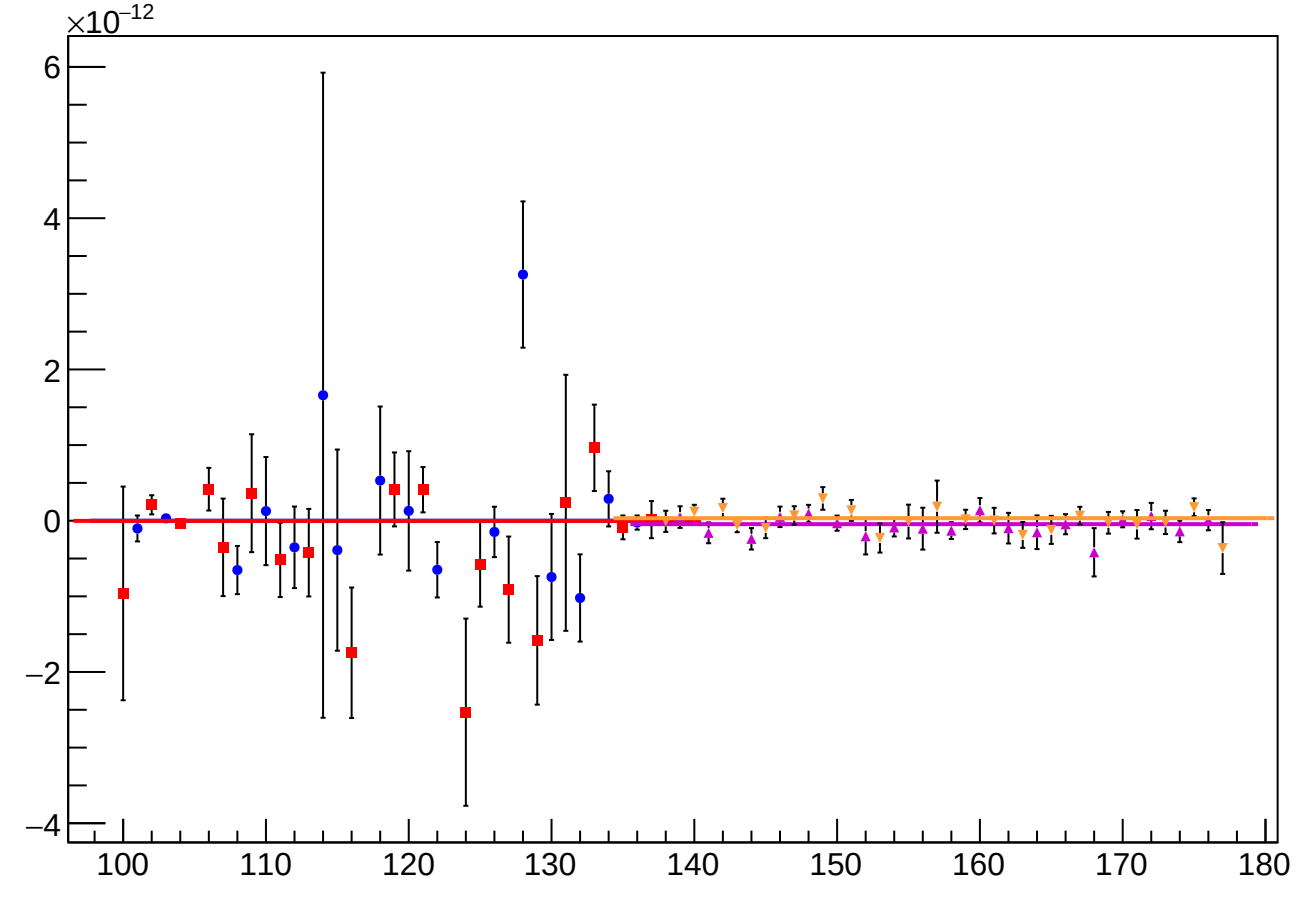
Left: 5049.176+/-0.640 χ^2/NDF: 1590757.8/39

Right: 3699.460+/-0.769 χ^2/NDF: 5570260.4/34

In: 4486.727+/-0.703 χ^2/NDF:4623023.2/34

Out: 4507.149+/-0.688 χ^2/NDF:4358384.1/39

All: 4497.169+/-0.492 χ^2/NDF: 8981838.2/74



Right In: -0.000+/-0.000 χ^2/NDF: 25.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/20

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:10.5/18

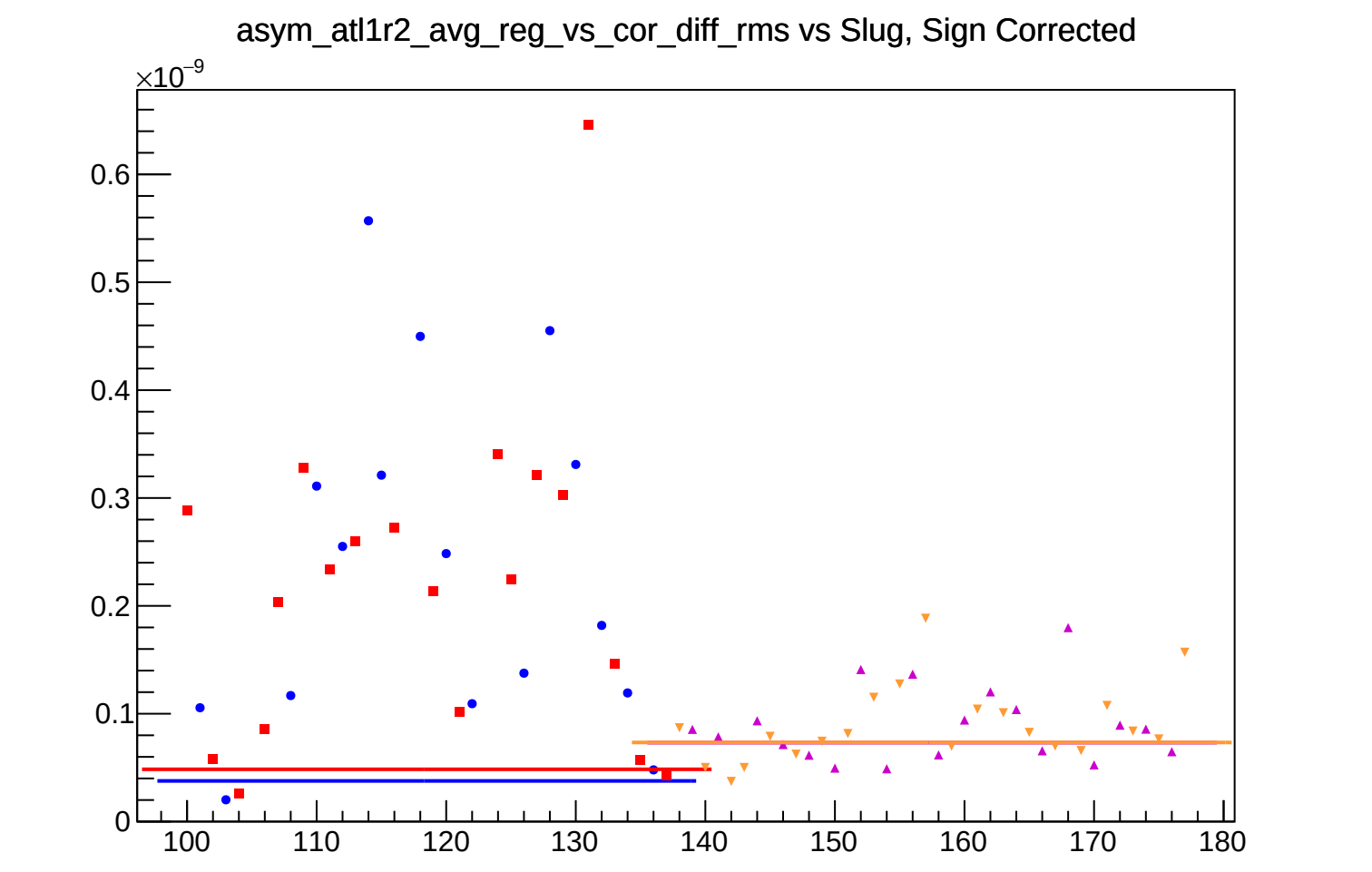
Left: -0.000+/-0.000 χ^2/NDF: 29.2/39

Right: -0.000+/-0.000 χ^2/NDF: 53.6/34

In: -0.000+/-0.000 χ^2/NDF:36.8/34

Out: 0.000+/-0.000 χ^2/NDF:44.2/39

All: -0.000+/-0.000 χ^2/NDF: 82.8/74



Right In: 0.000+/-0.000 χ^2/NDF: 3140697.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1230992.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2895431.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1083331.2/18

Left: 0.000+/-0.000 χ^2/NDF: 2314359.1/39

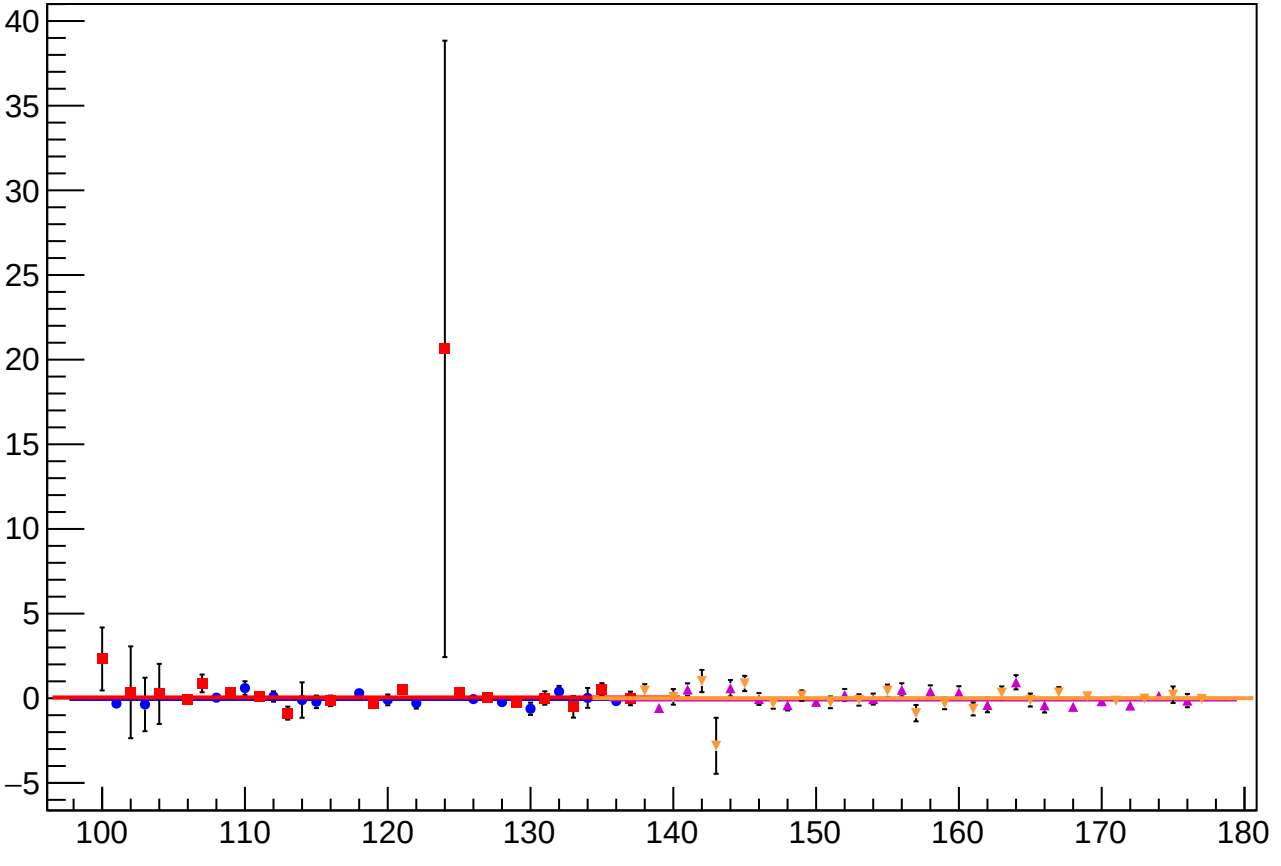
Right: 0.000+/-0.000 χ^2/NDF: 6105820.7/34

In: 0.000+/-0.000 χ^2/NDF:5279599.5/34

Out: 0.000+/-0.000 χ^2/NDF:4544706.4/39

All: 0.000+/-0.000 χ^2/NDF: 9929605.0/74

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: 0.007+/-0.073 χ^2/NDF:23.3/20

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.072+/-0.074 χ^2/NDF:27.8/18

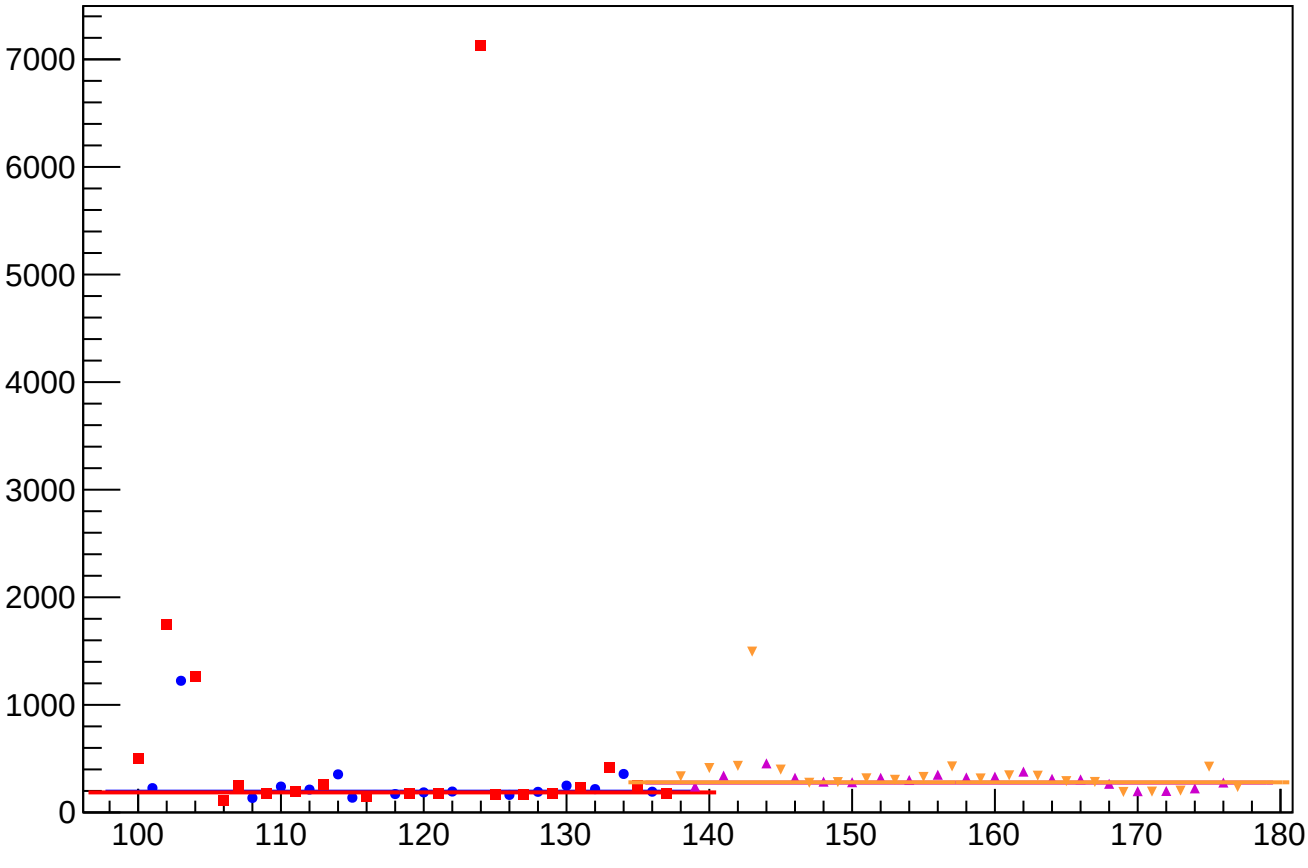
Left: -0.033+/-0.052 χ^2/NDF: 51.7/39

Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.058+/-0.053 χ^2/NDF:39.6/34

Out: 0.027+/-0.054 χ^2/NDF:46.5/39

All: -0.016+/-0.038 χ^2/NDF: 87.3/74



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 280.209+/-0.052 χ^2/NDF:3016063.9/20

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 277.403+/-0.052 χ^2/NDF:1323466.9/18

Left: 278.809+/-0.037 χ^2/NDF: 4340986.2/39

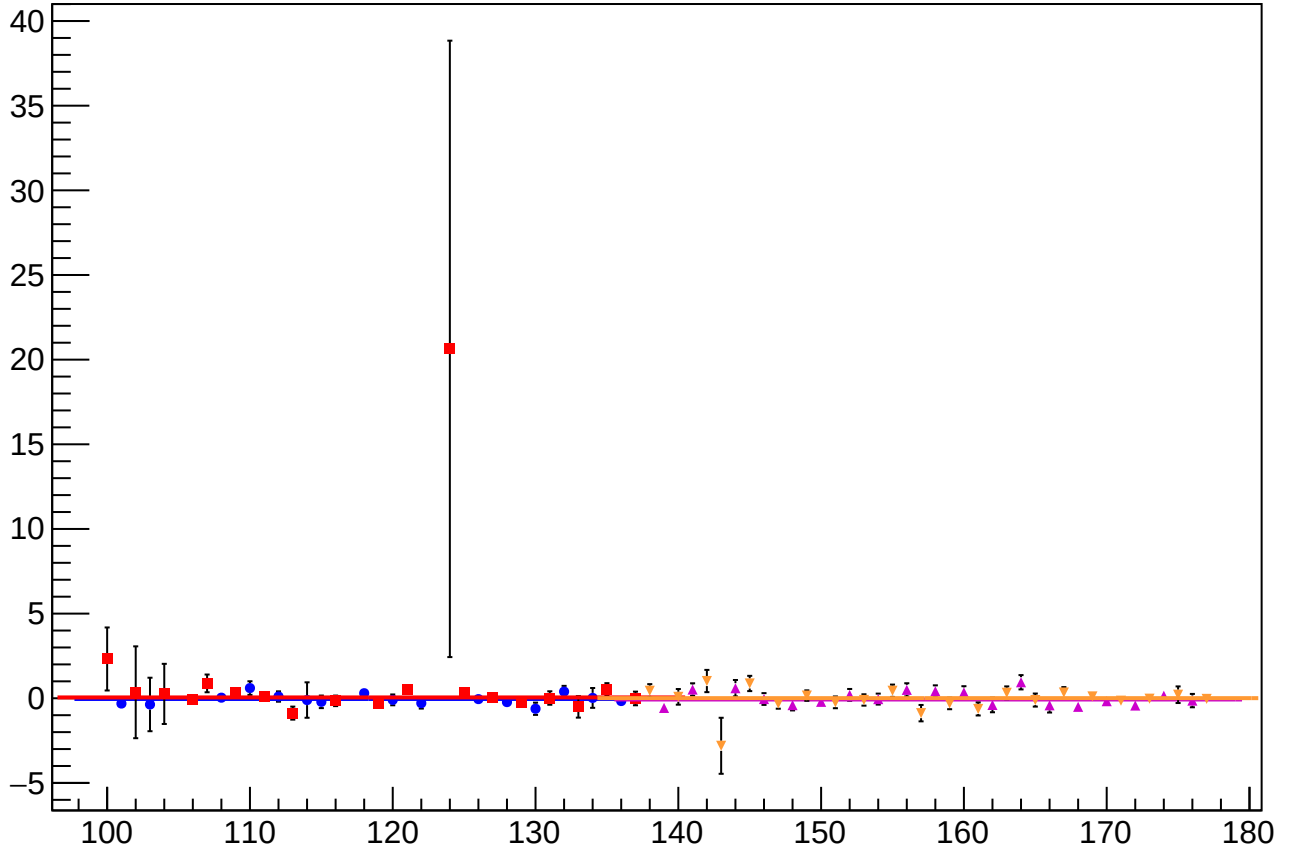
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 237.620+/-0.038 χ^2/NDF:3967147.1/34

Out: 236.573+/-0.038 χ^2/NDF:7012457.4/39

All: 237.099+/-0.027 χ^2/NDF: 10979986.4/74

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: 0.007+/-0.073 χ^2/NDF:23.3/20

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.072+/-0.074 χ^2/NDF:27.8/18

Left: -0.033+/-0.052 χ^2/NDF: 51.7/39

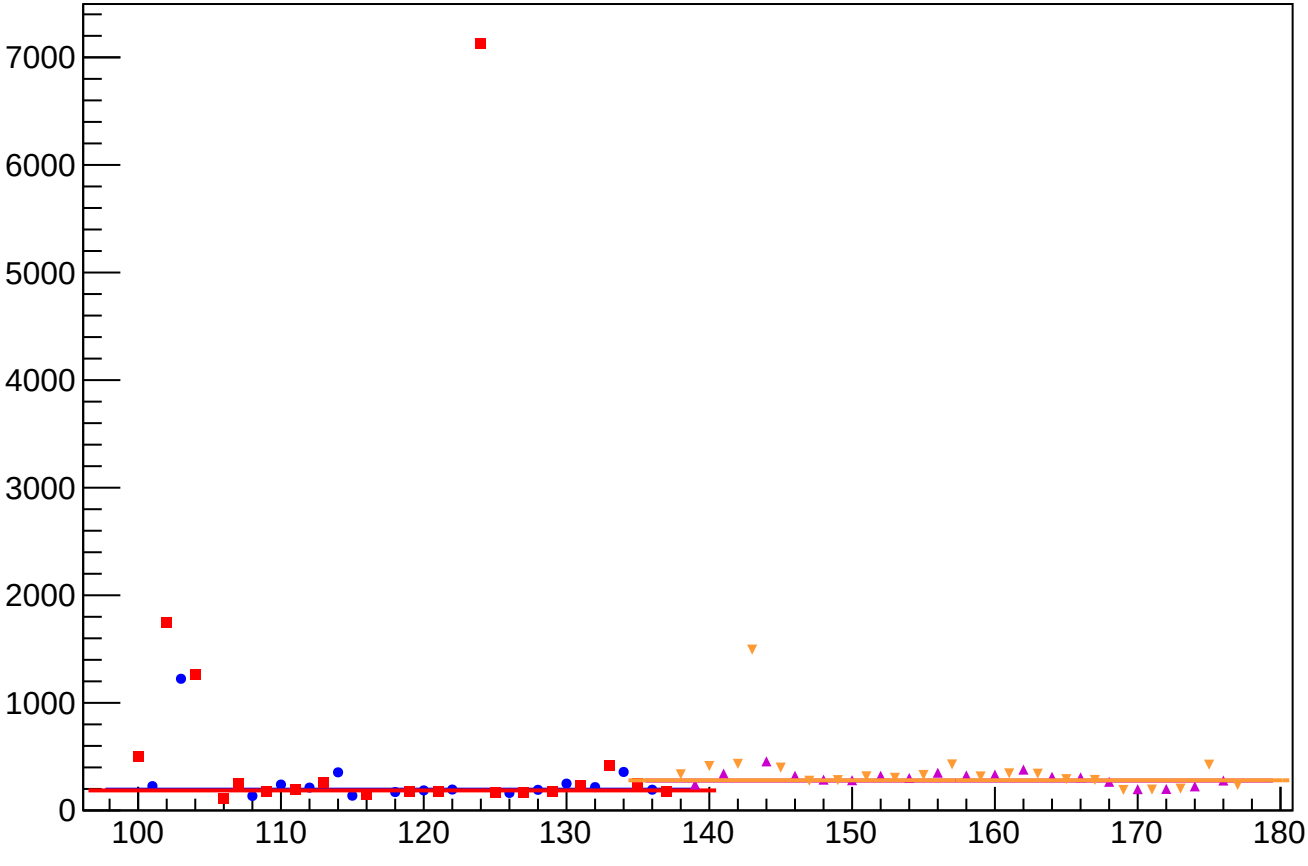
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.058+/-0.053 χ^2/NDF:39.6/34

Out: 0.027+/-0.054 χ^2/NDF:46.5/39

All: -0.016+/-0.038 χ^2/NDF: 87.3/74

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: 280.209+/-0.052 χ^2/NDF:3016063.9/20

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 277.403+/-0.052 χ^2/NDF:1323466.9/18

Left: 278.809+/-0.037 χ^2/NDF: 4340986.2/39

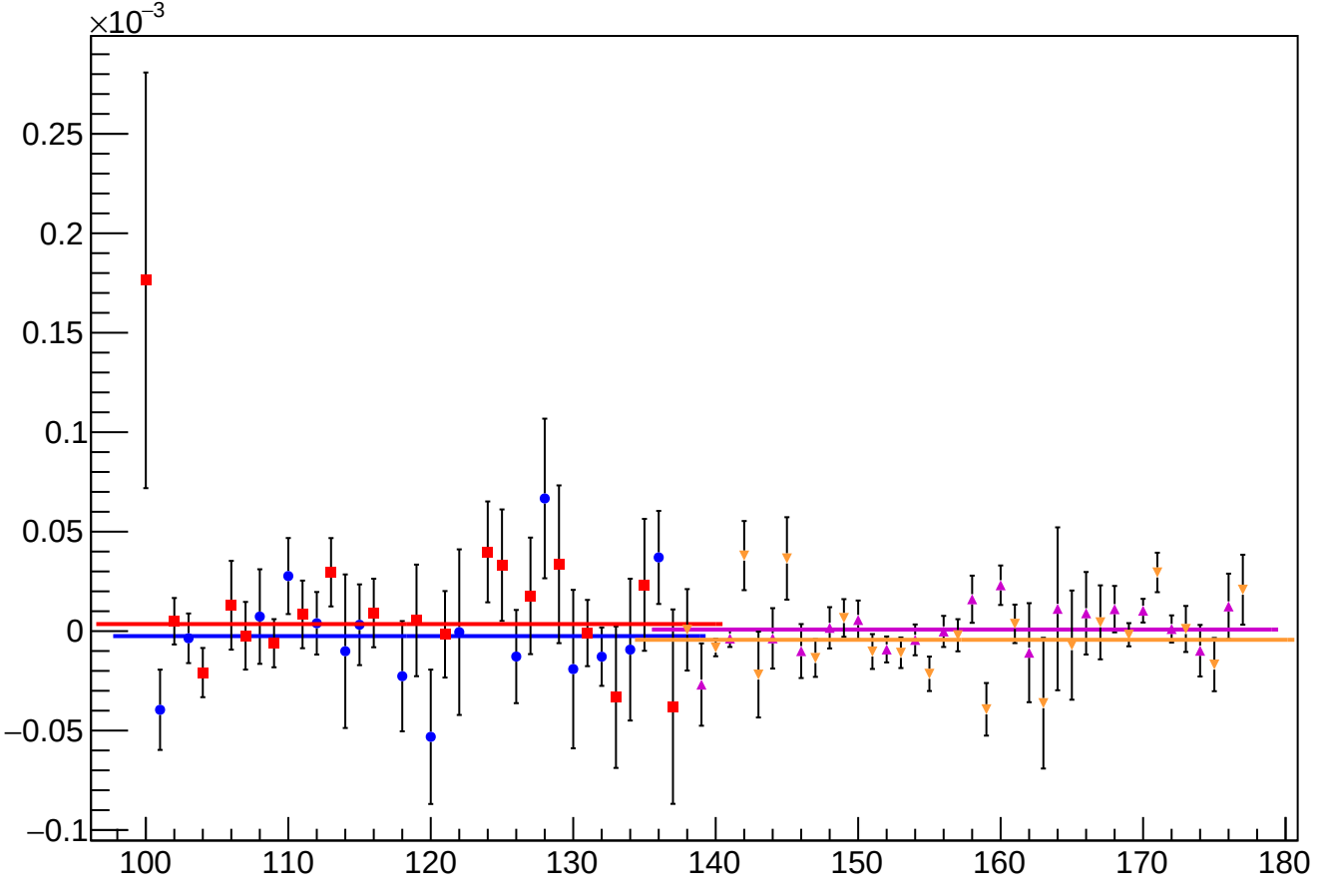
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 237.620+/-0.038 χ^2/NDF:3967147.1/34

Out: 236.573+/-0.038 χ^2/NDF:7012457.4/39

All: 237.099+/-0.027 χ^2/NDF: 10979986.4/74

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:42.6/20

Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:18.3/18

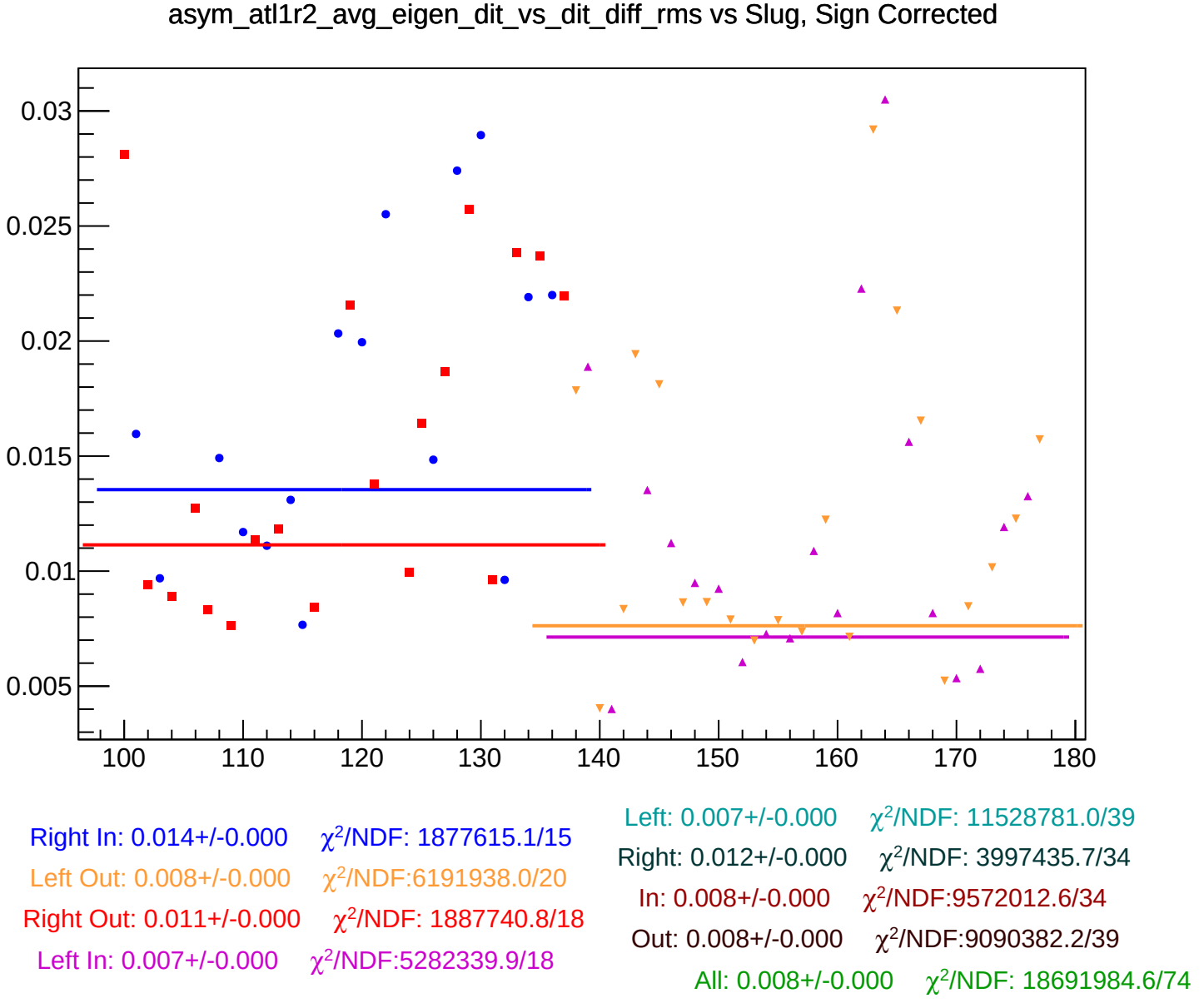
Left: -0.000+/-0.000 χ^2/NDF: 63.9/39

Right: 0.000+/-0.000 χ^2/NDF: 32.9/34

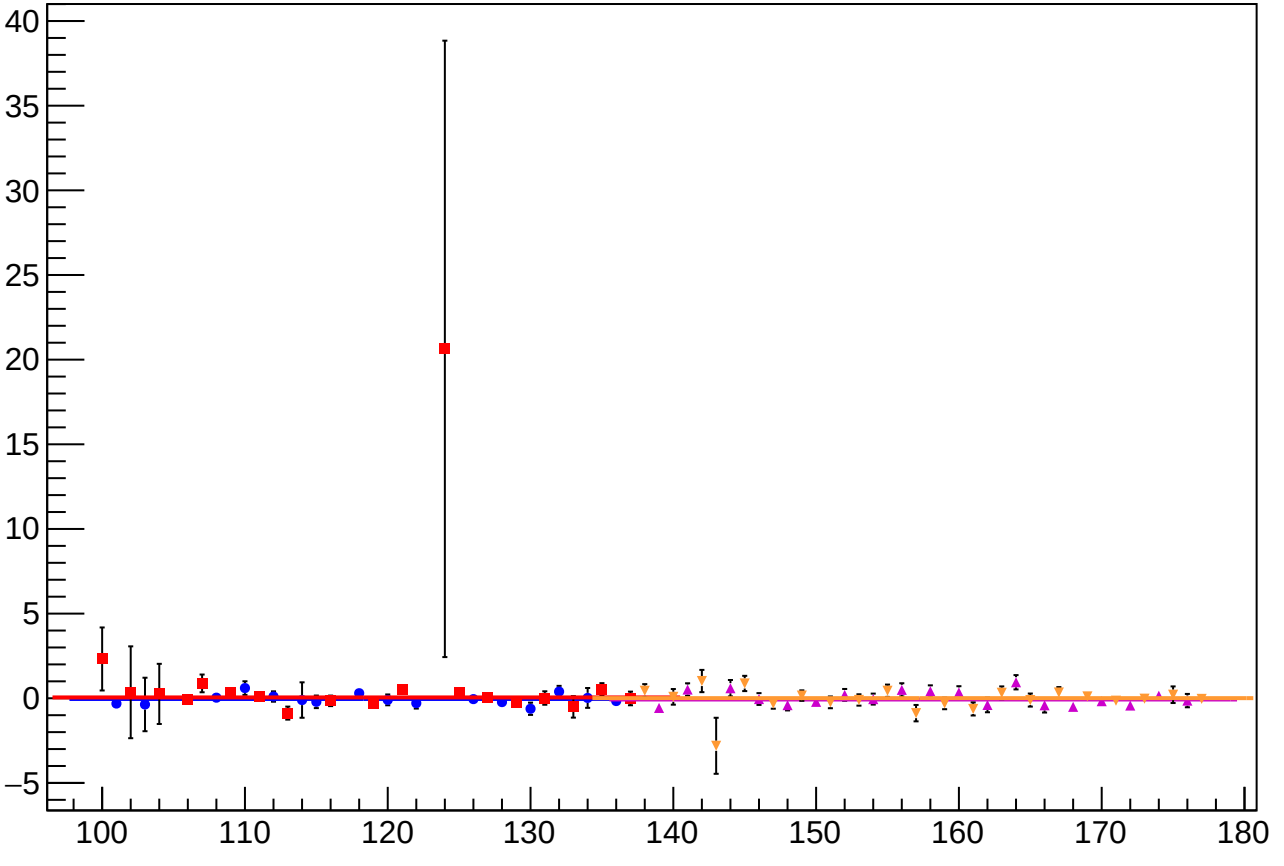
In: 0.000+/-0.000 χ^2/NDF:34.5/34

Out: -0.000+/-0.000 χ^2/NDF:61.4/39

All: -0.000+/-0.000 χ^2/NDF: 97.3/74


asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
Right In: 0.014+/-0.000 χ²/NDF: 1877615.1/15
Left Out: 0.008+/-0.000 χ²/NDF:6191938.0/20
Right Out: 0.011+/-0.000 χ²/NDF: 1887740.8/18
Left In: 0.007+/-0.000 χ²/NDF:5282339.9/18
Left: 0.007+/-0.000 χ²/NDF: 11528781.0/39
Right: 0.012+/-0.000 χ²/NDF: 3997435.7/34
In: 0.008+/-0.000 χ²/NDF:9572012.6/34
Out: 0.008+/-0.000 χ²/NDF:9090382.2/39
All: 0.008+/-0.000 χ²/NDF: 18691984.6/74

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: 0.007+/-0.073 χ^2/NDF:23.3/20

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.072+/-0.074 χ^2/NDF:27.8/18

Left: -0.033+/-0.052 χ^2/NDF: 51.7/39

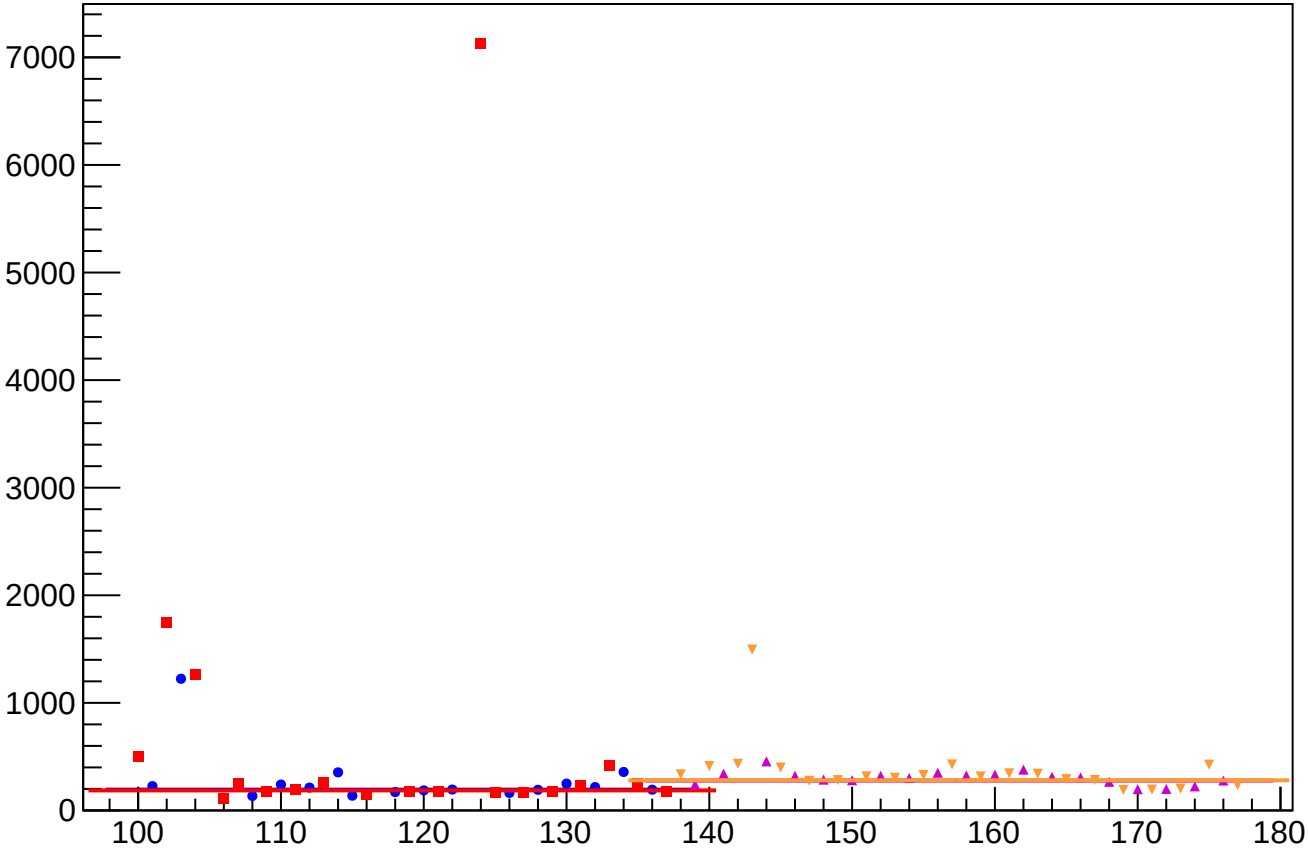
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.058+/-0.053 χ^2/NDF:39.6/34

Out: 0.027+/-0.054 χ^2/NDF:46.5/39

All: -0.016+/-0.038 χ^2/NDF: 87.3/74

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 280.211+/-0.052 χ^2/NDF:3016123.3/20

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 277.406+/-0.052 χ^2/NDF:1323517.7/18

Left: 278.812+/-0.037 χ^2/NDF: 4341096.3/39

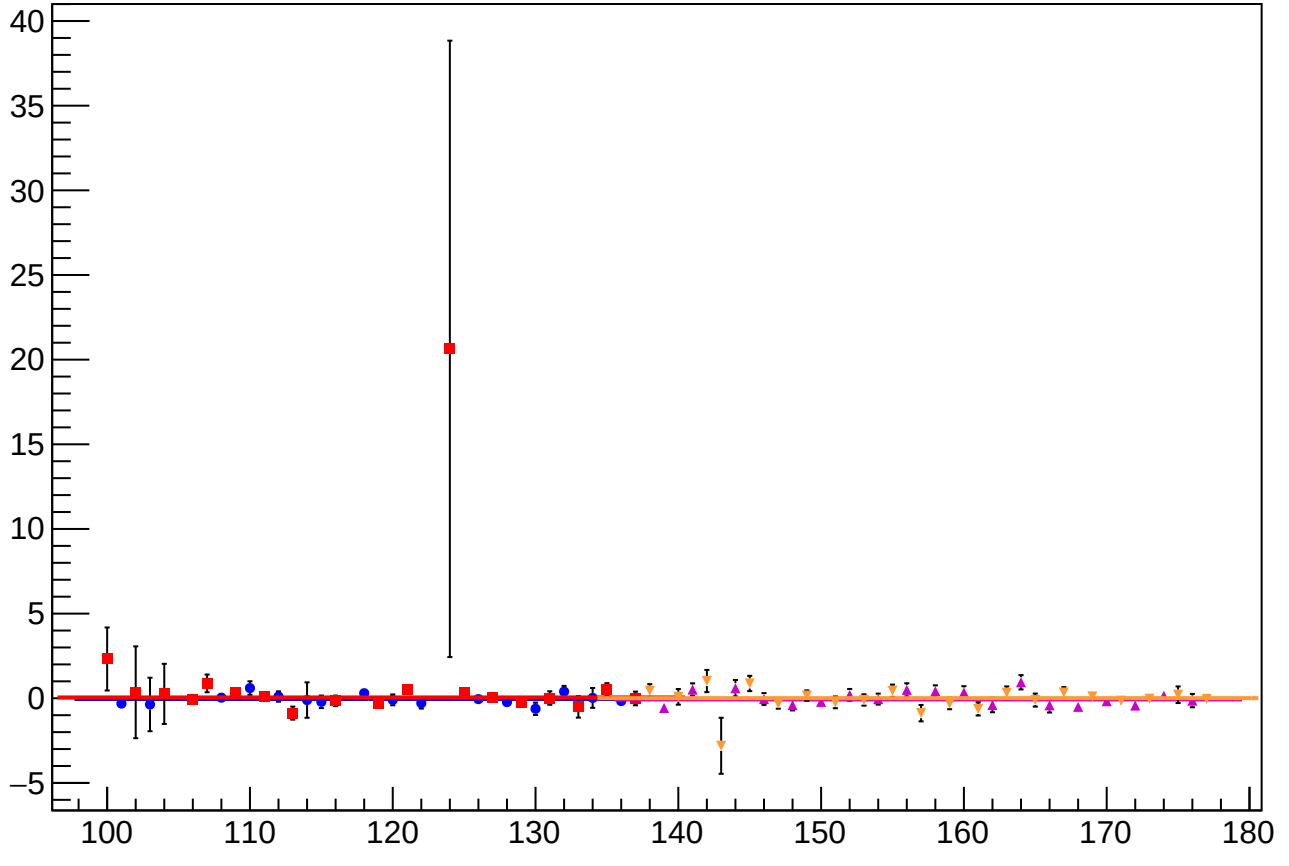
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 237.620+/-0.038 χ^2/NDF:3967307.8/34

Out: 236.572+/-0.038 χ^2/NDF:7012704.1/39

All: 237.099+/-0.027 χ^2/NDF: 10980394.1/74

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: 0.007+/-0.073 χ^2/NDF:23.3/20

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.072+/-0.074 χ^2/NDF:27.8/18

Left: -0.033+/-0.052 χ^2/NDF: 51.7/39

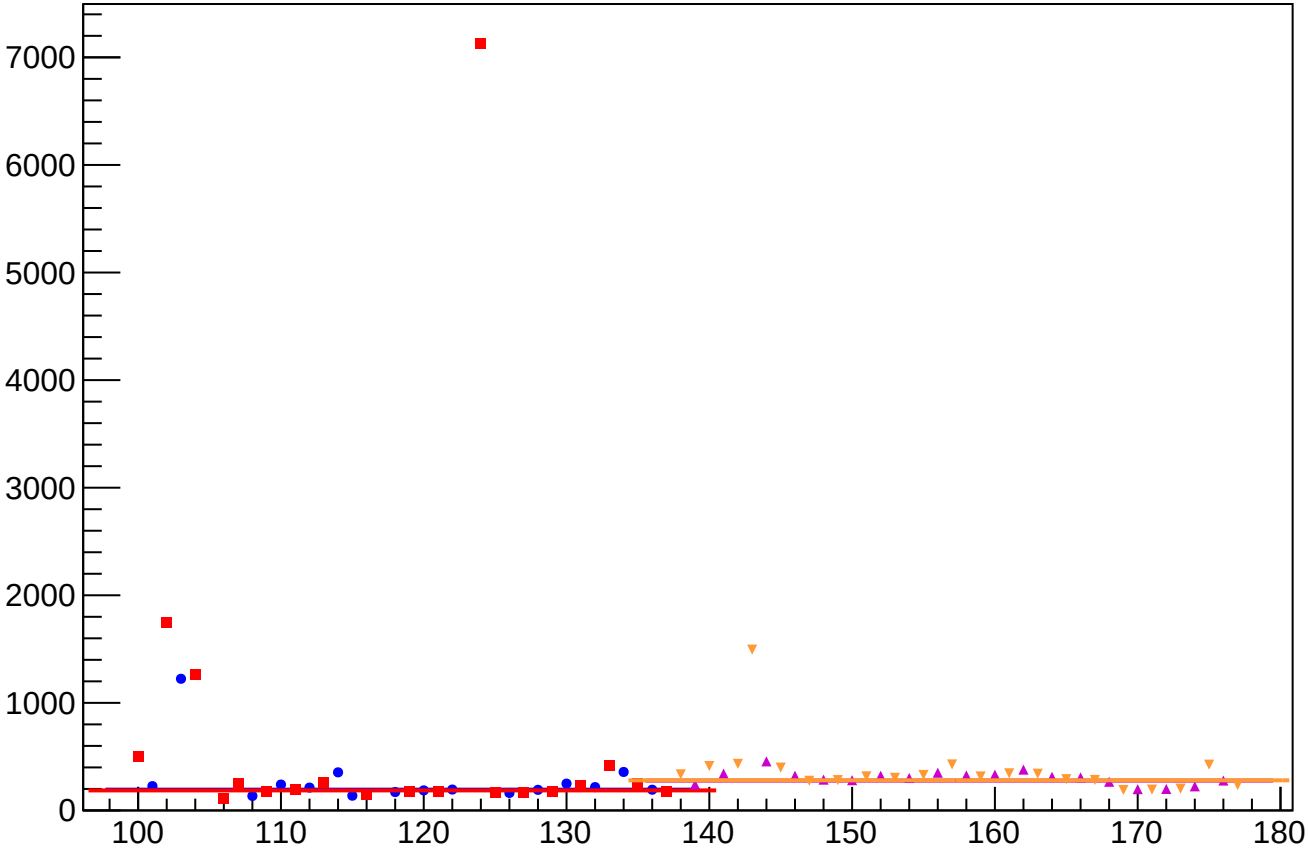
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.058+/-0.053 χ^2/NDF:39.6/34

Out: 0.027+/-0.054 χ^2/NDF:46.5/39

All: -0.016+/-0.038 χ^2/NDF: 87.3/74

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 280.211+/-0.052 χ^2/NDF:3016123.3/20

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 277.406+/-0.052 χ^2/NDF:1323517.7/18

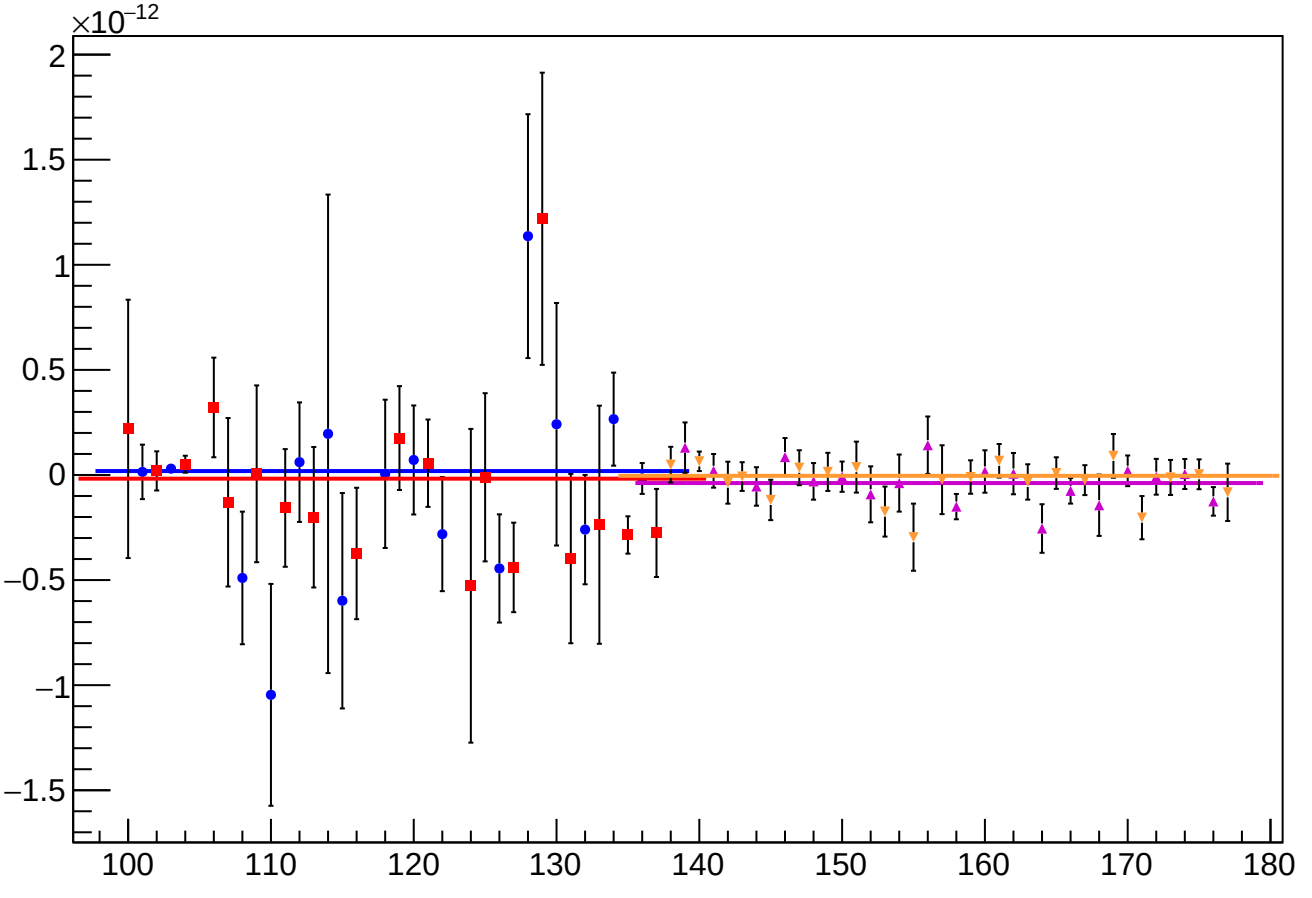
Left: 278.812+/-0.037 χ^2/NDF: 4341096.3/39

Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 237.620+/-0.038 χ^2/NDF:3967307.8/34

Out: 236.572+/-0.038 χ^2/NDF:7012704.1/39

All: 237.099+/-0.027 χ^2/NDF: 10980394.1/74



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.9/20

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: -0.000+/-0.000 χ^2/NDF:17.6/18

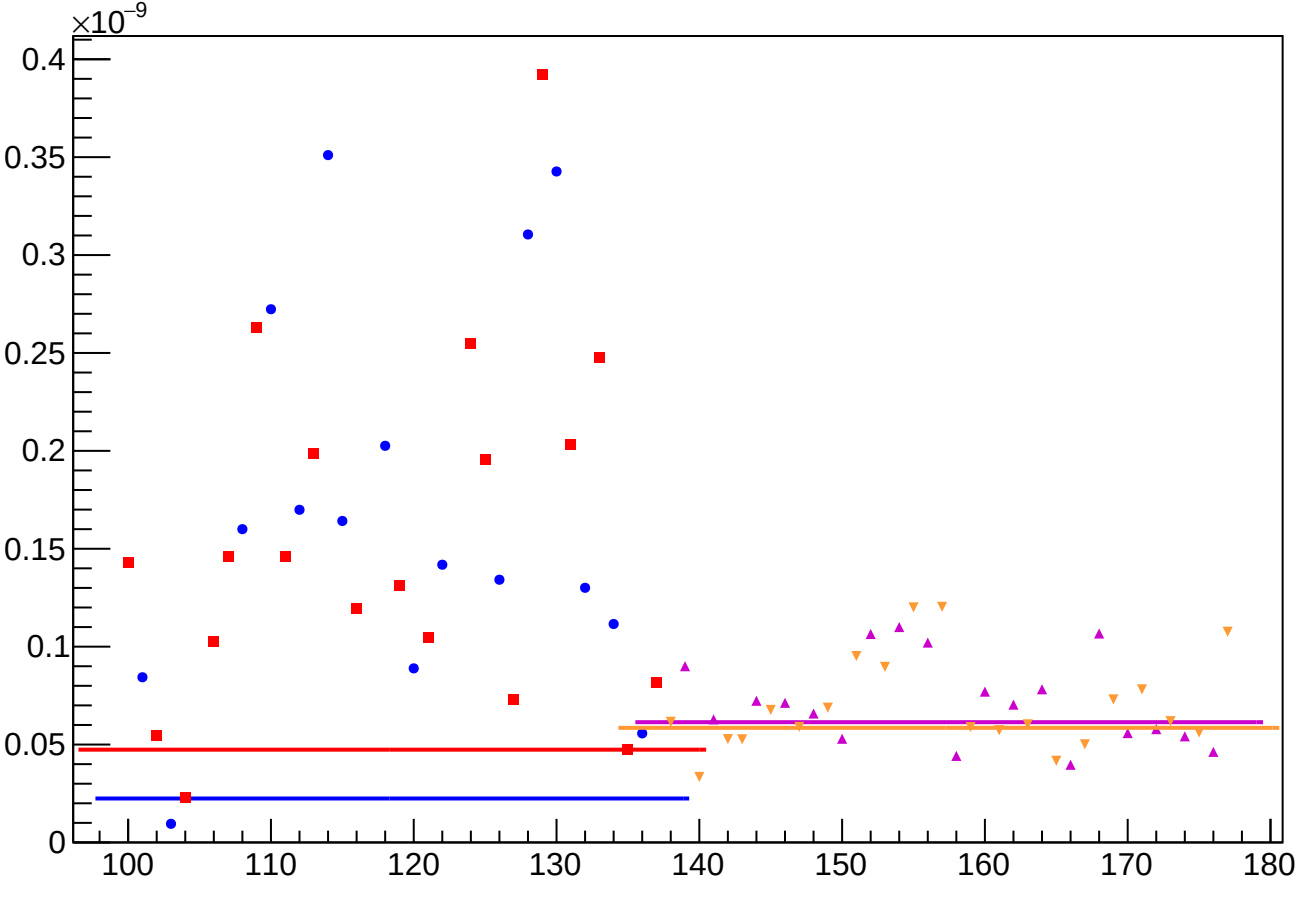
Left: -0.000+/-0.000 χ^2/NDF: 35.1/39

Right: 0.000+/-0.000 χ^2/NDF: 47.5/34

In: -0.000+/-0.000 χ^2/NDF:41.0/34

Out: -0.000+/-0.000 χ^2/NDF:43.2/39

All: -0.000+/-0.000 χ^2/NDF: 84.2/74



Right In: 0.000+/-0.000 χ^2/NDF: 6410173.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2060739.6/20

Right Out: 0.000+/-0.000 χ^2/NDF: 4236050.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1716071.7/18

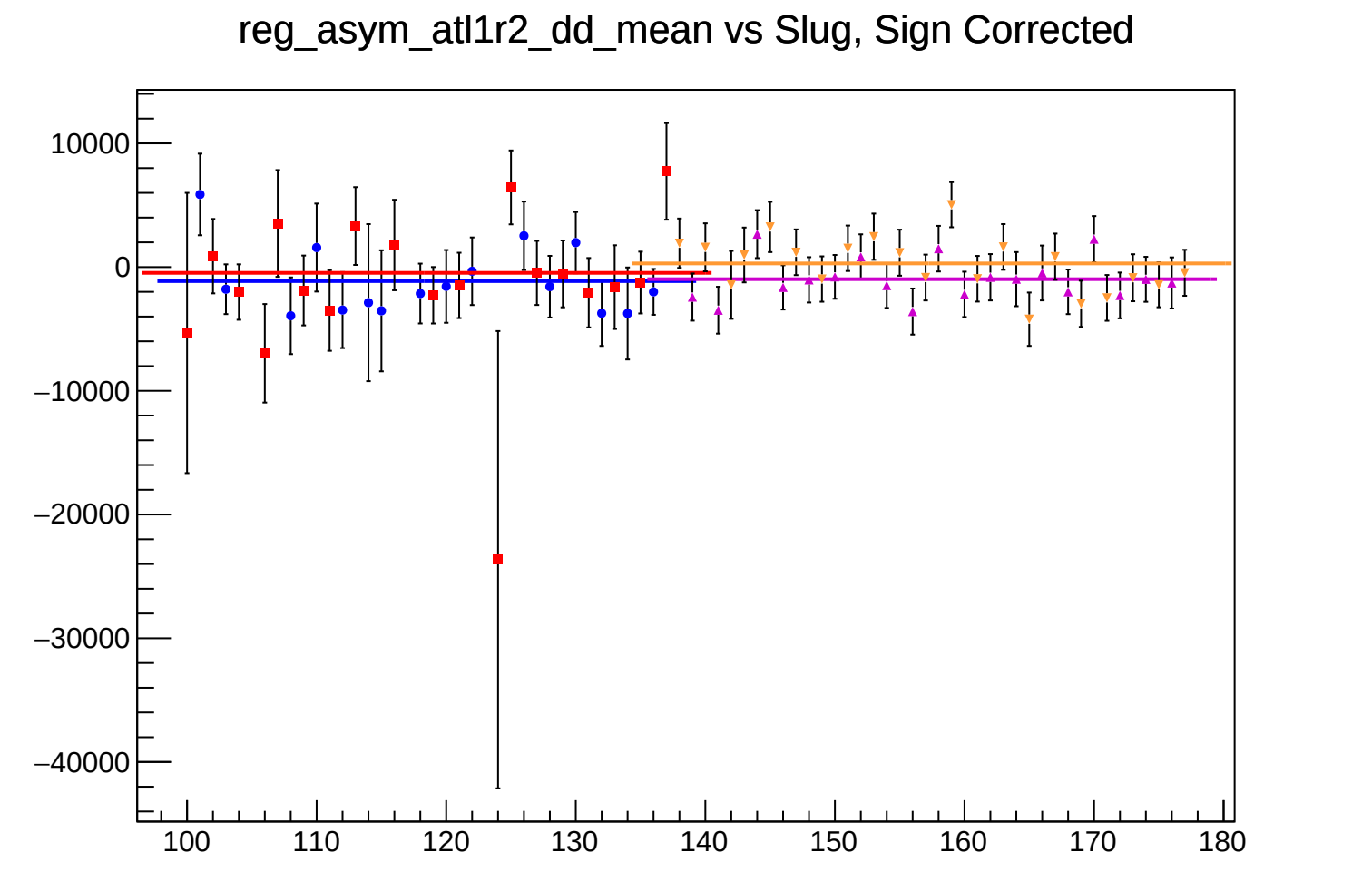
Left: 0.000+/-0.000 χ^2/NDF: 3799513.1/39

Right: 0.000+/-0.000 χ^2/NDF: 11534651.4/34

In: 0.000+/-0.000 χ^2/NDF:11857802.3/34

Out: 0.000+/-0.000 χ^2/NDF:6485737.2/39

All: 0.000+/-0.000 χ^2/NDF: 19070789.7/74



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 295.882+/-419.283 χ^2/NDF:25.8/20

Right Out: -465.519+/-705.926 χ^2/NDF: 20.0/18

Left In: -976.751+/-431.972 χ^2/NDF:15.2/18

Left: -321.468+/-300.864 χ^2/NDF: 45.4/39

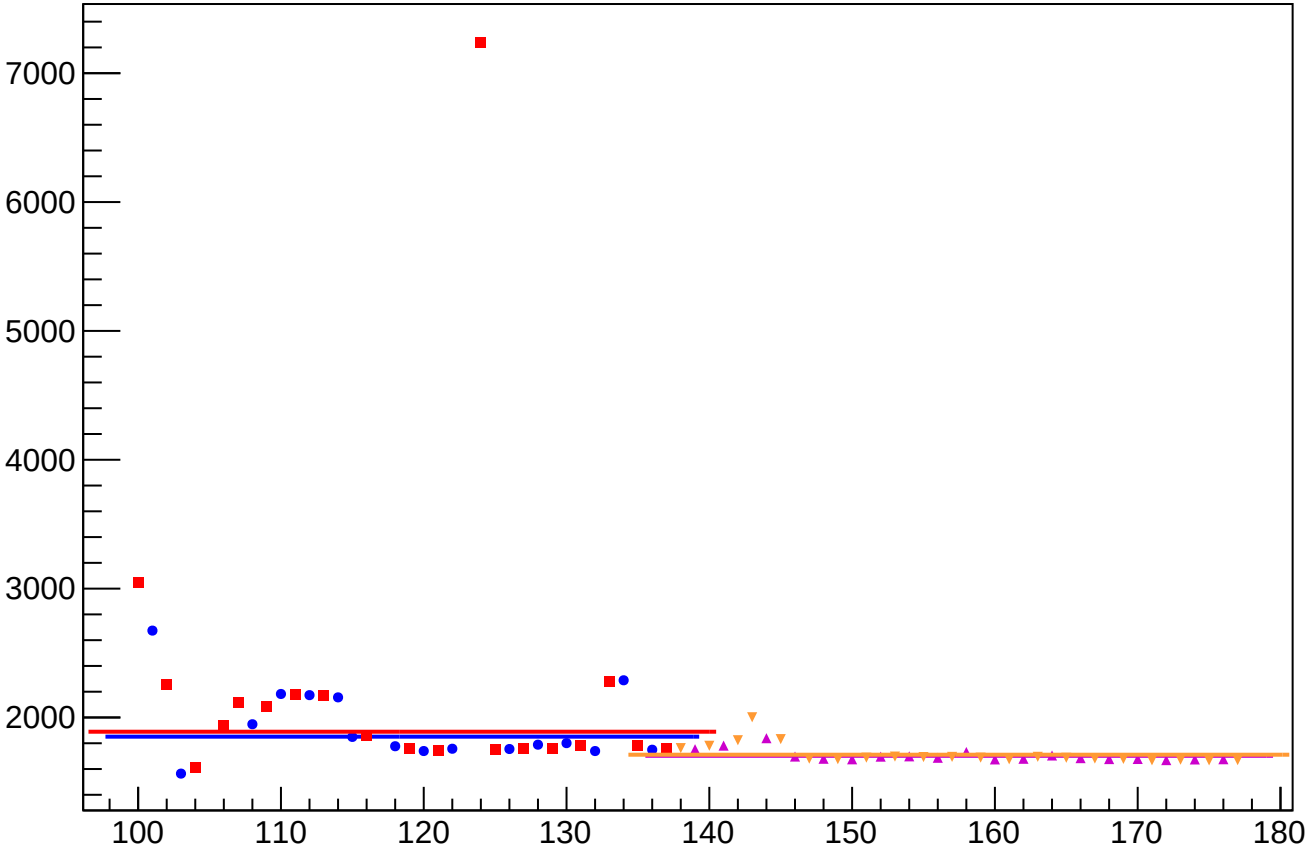
Right: -805.879+/-494.815 χ^2/NDF: 32.7/34

In: -1020.858+/-366.701 χ^2/NDF:27.5/34

Out: 97.326+/-360.491 χ^2/NDF:46.6/39

All: -452.218+/-257.073 χ^2/NDF: 78.8/74

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1711.042+/-0.296 χ^2/NDF:57466.8/20

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

Left In: 1702.454+/-0.305 χ^2/NDF:19475.7/18

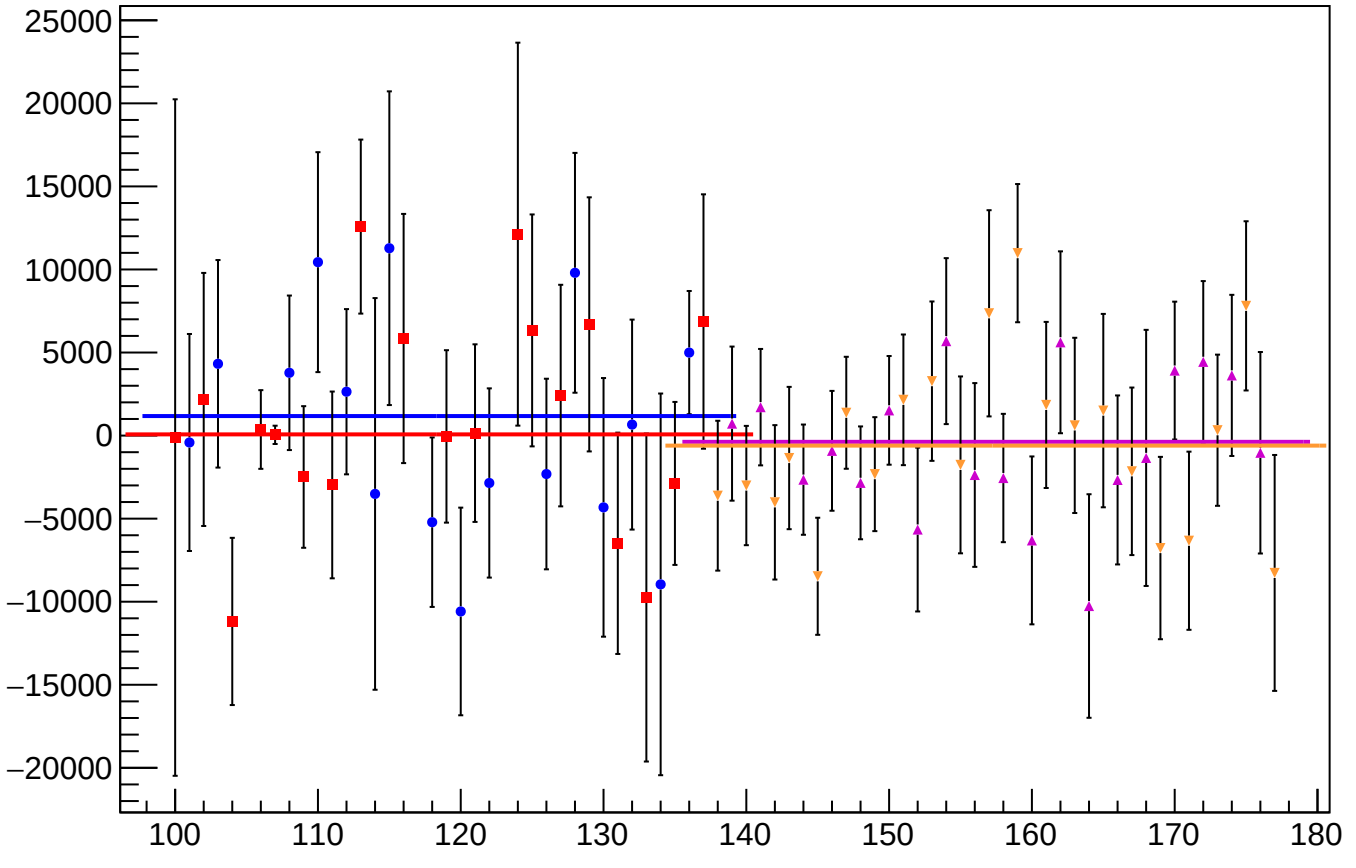
Left: 1706.876+/-0.213 χ^2/NDF: 77349.5/39

Right: 1870.040+/-0.349 χ^2/NDF: 621901.2/34

In: 1743.990+/-0.259 χ^2/NDF:345645.1/34

Out: 1757.747+/-0.255 χ^2/NDF:511206.6/39

All: 1750.990+/-0.182 χ^2/NDF: 858284.1/74



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -603.909+/-986.445 χ^2/NDF:24.5/20

Right Out: 72.681+/-505.693 χ^2/NDF: 17.9/18

Left In: -376.234+/-1011.791 χ^2/NDF:12.5/18

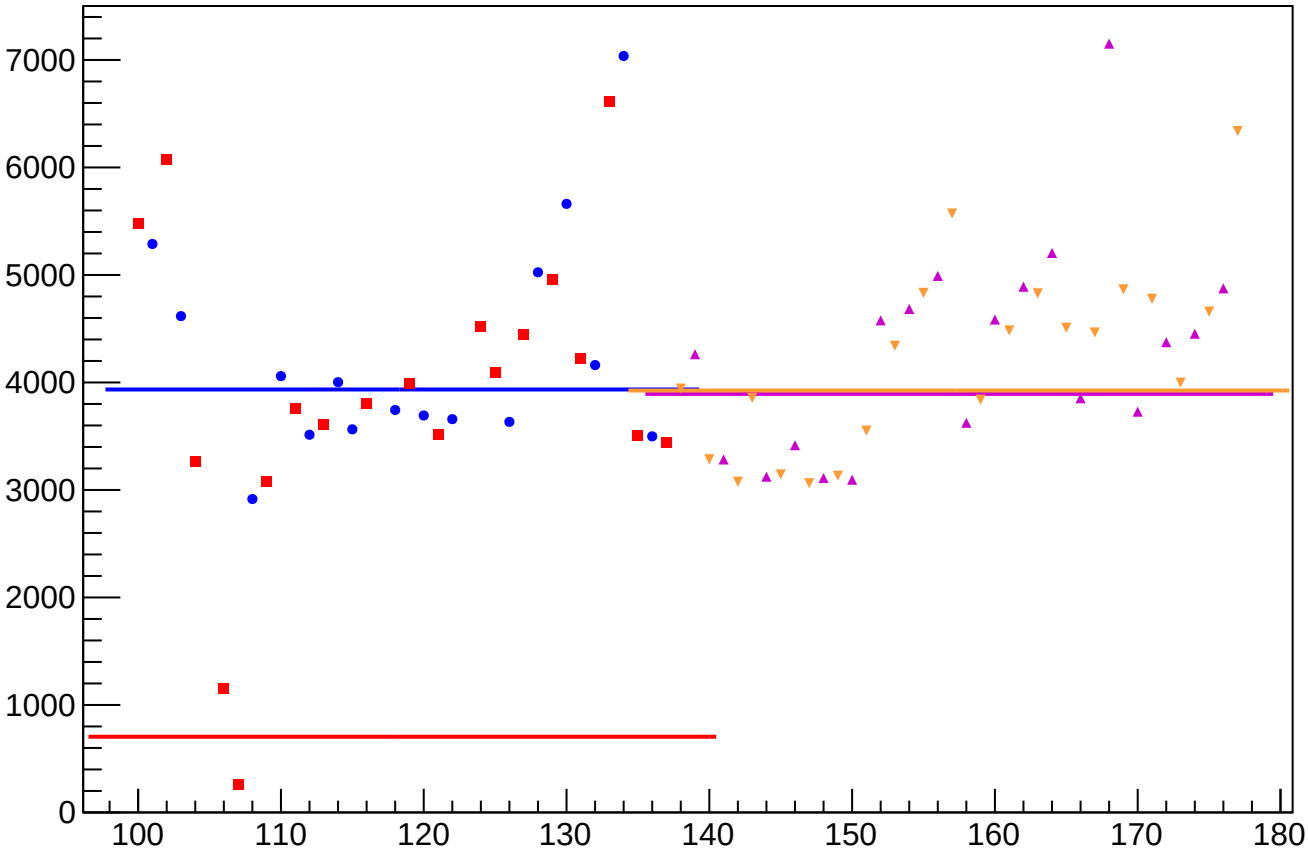
Left: -492.959+/-706.313 χ^2/NDF: 37.1/39

Right: 184.938+/-479.263 χ^2/NDF: 32.1/34

In: 108.040+/-839.177 χ^2/NDF:27.0/34

Out: -68.124+/-450.007 χ^2/NDF:42.8/39

All: -28.780+/-396.584 χ^2/NDF: 69.8/74



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3925.039+/-0.698 χ^2/NDF:1208643.1/20

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

Left In: 3893.678+/-0.715 χ^2/NDF:1257119.5/18

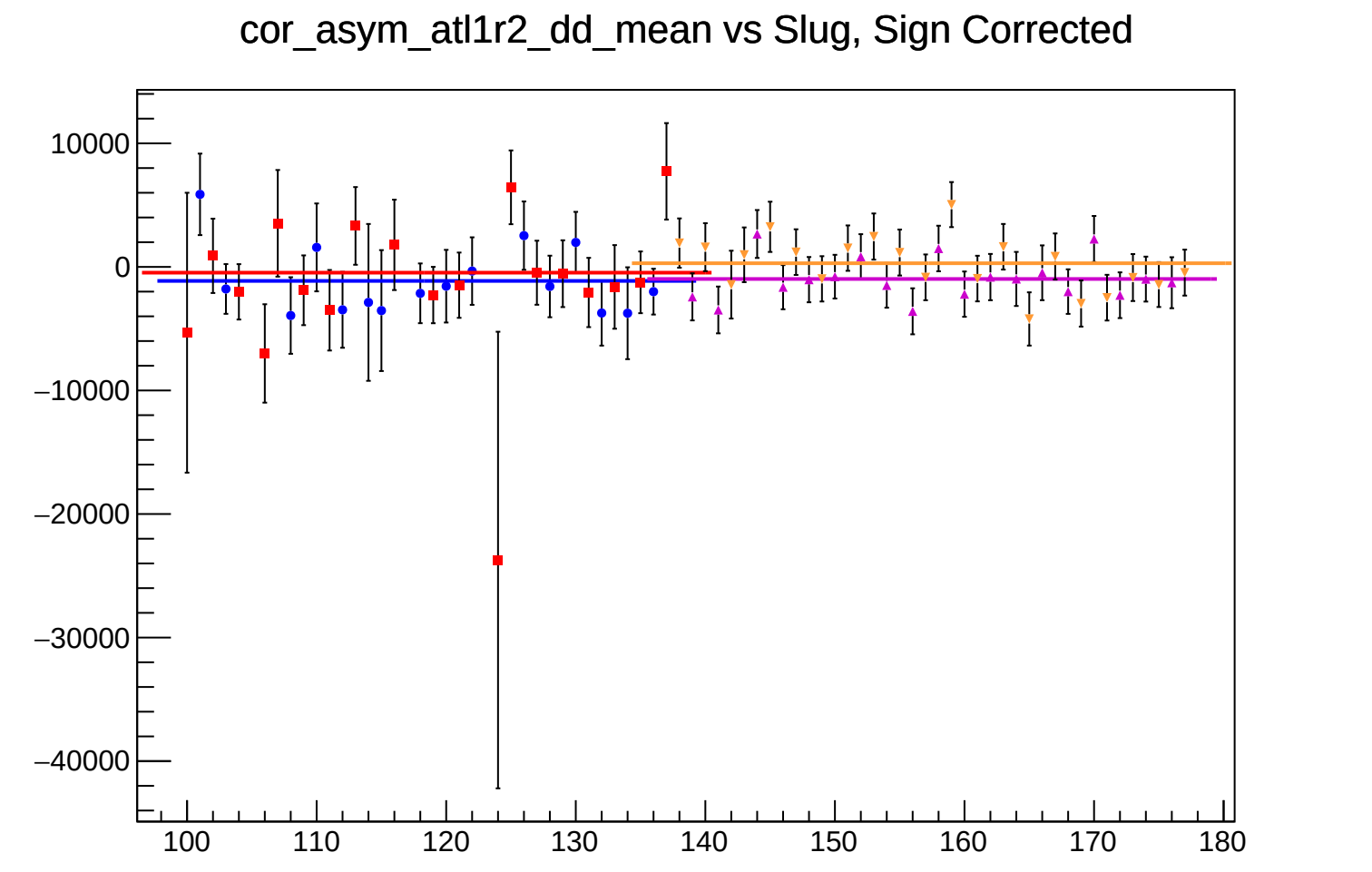
Left: 3909.756+/-0.499 χ^2/NDF: 2466747.6/39

Right: 1033.223+/-0.339 χ^2/NDF: 19486549.2/34

In: 3906.487+/-0.593 χ^2/NDF:1818272.1/34

Out: 1374.636+/-0.318 χ^2/NDF:28709800.0/39

All: 1940.095+/-0.280 χ^2/NDF: 44667461.5/7



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 295.918+/-419.283 χ^2/NDF:25.8/20

Right Out: -465.899+/-705.928 χ^2/NDF: 20.0/18

Left In: -976.651+/-431.972 χ^2/NDF:15.2/18

Left: -321.401+/-300.864 χ^2/NDF: 45.4/39

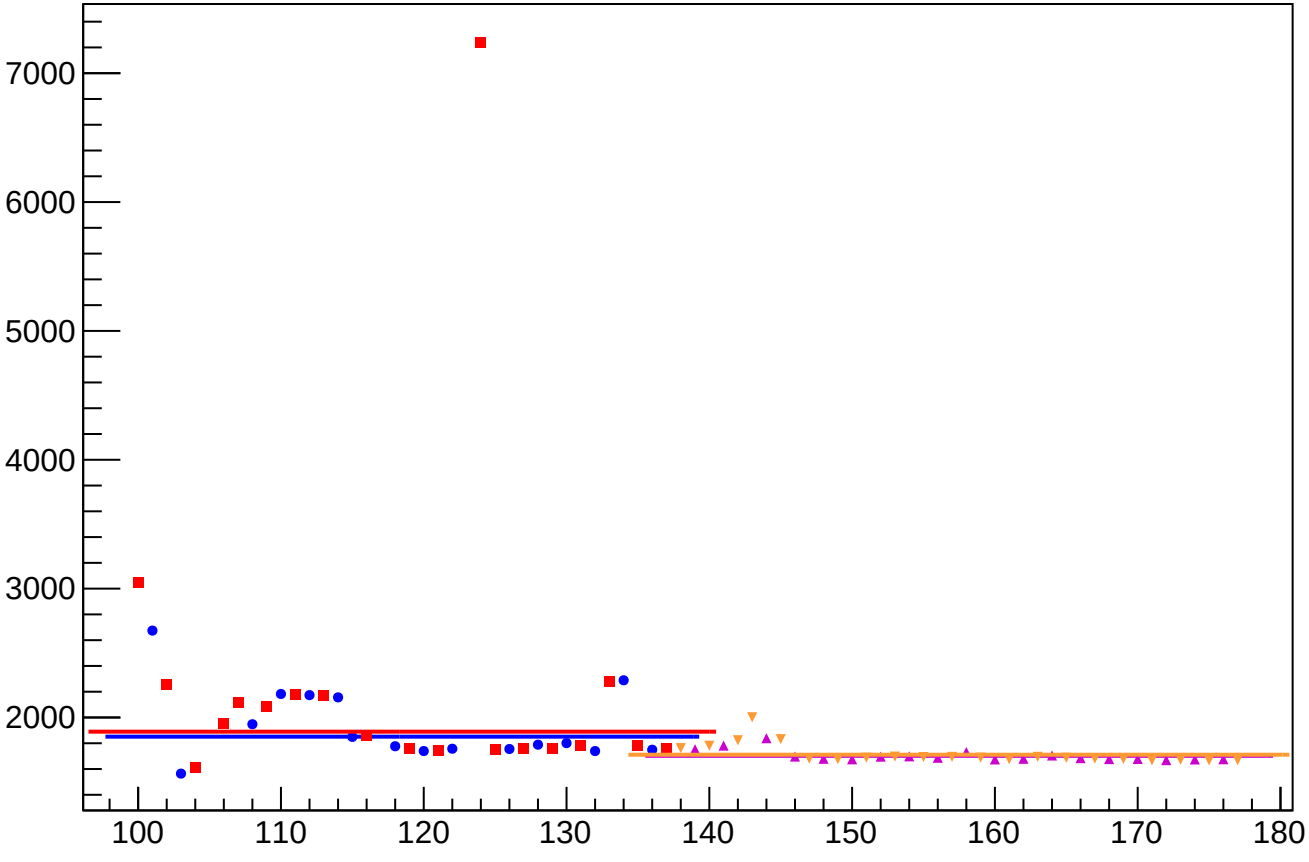
Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -1020.666+/-366.701 χ^2/NDF:27.5/34

Out: 97.254+/-360.491 χ^2/NDF:46.7/39

All: -452.160+/-257.073 χ^2/NDF: 78.9/74

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1711.042+/-0.296 χ^2/NDF:57466.8/20

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1702.454+/-0.305 χ^2/NDF:19475.7/18

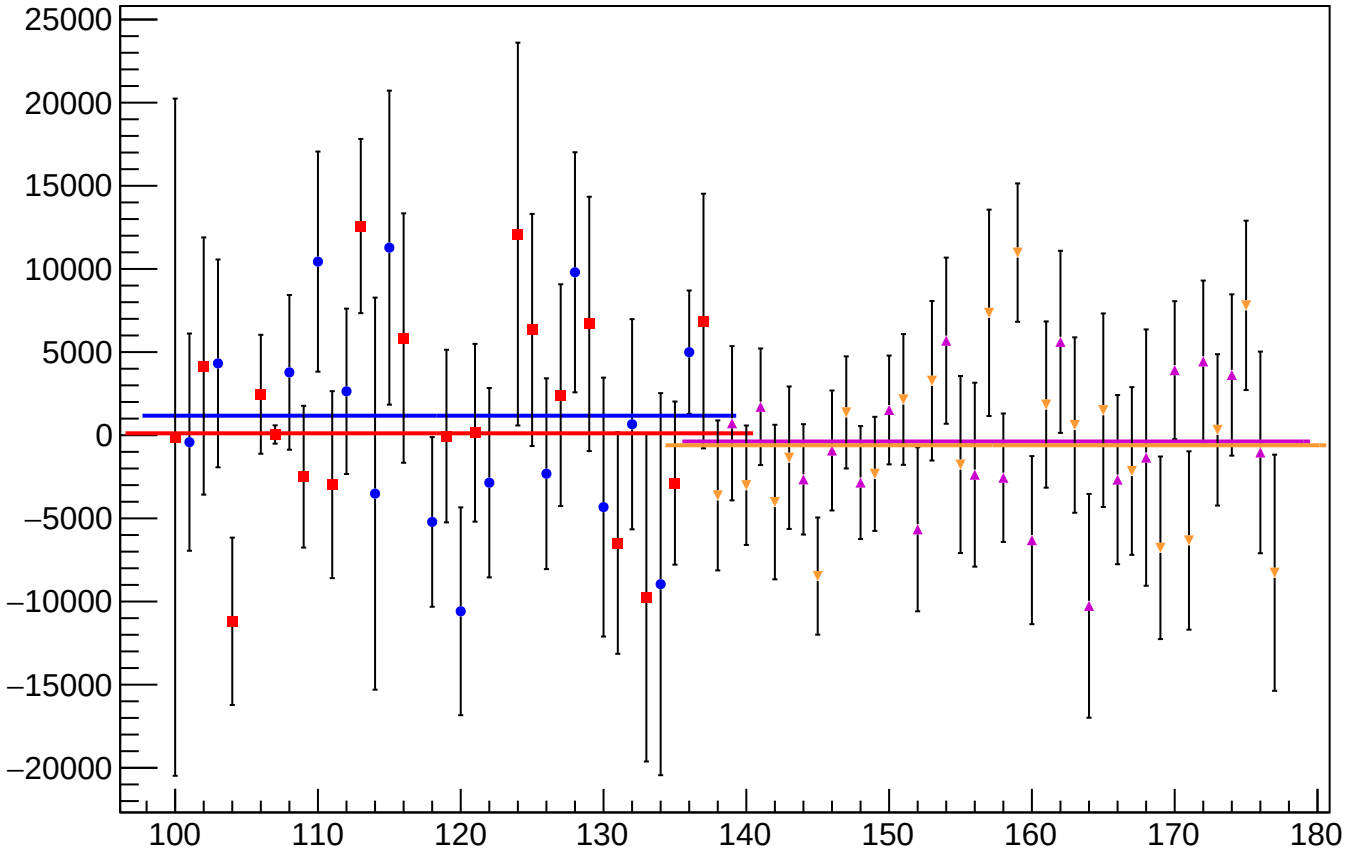
Left: 1706.876+/-0.213 χ^2/NDF: 77349.5/39

Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1743.990+/-0.259 χ^2/NDF:345644.6/34

Out: 1757.851+/-0.255 χ^2/NDF:511882.0/39

All: 1751.043+/-0.182 χ^2/NDF: 858980.6/74



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -603.925+/-986.443 χ^2/NDF:24.5/20

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -376.202+/-1011.791 χ^2/NDF:12.5/18

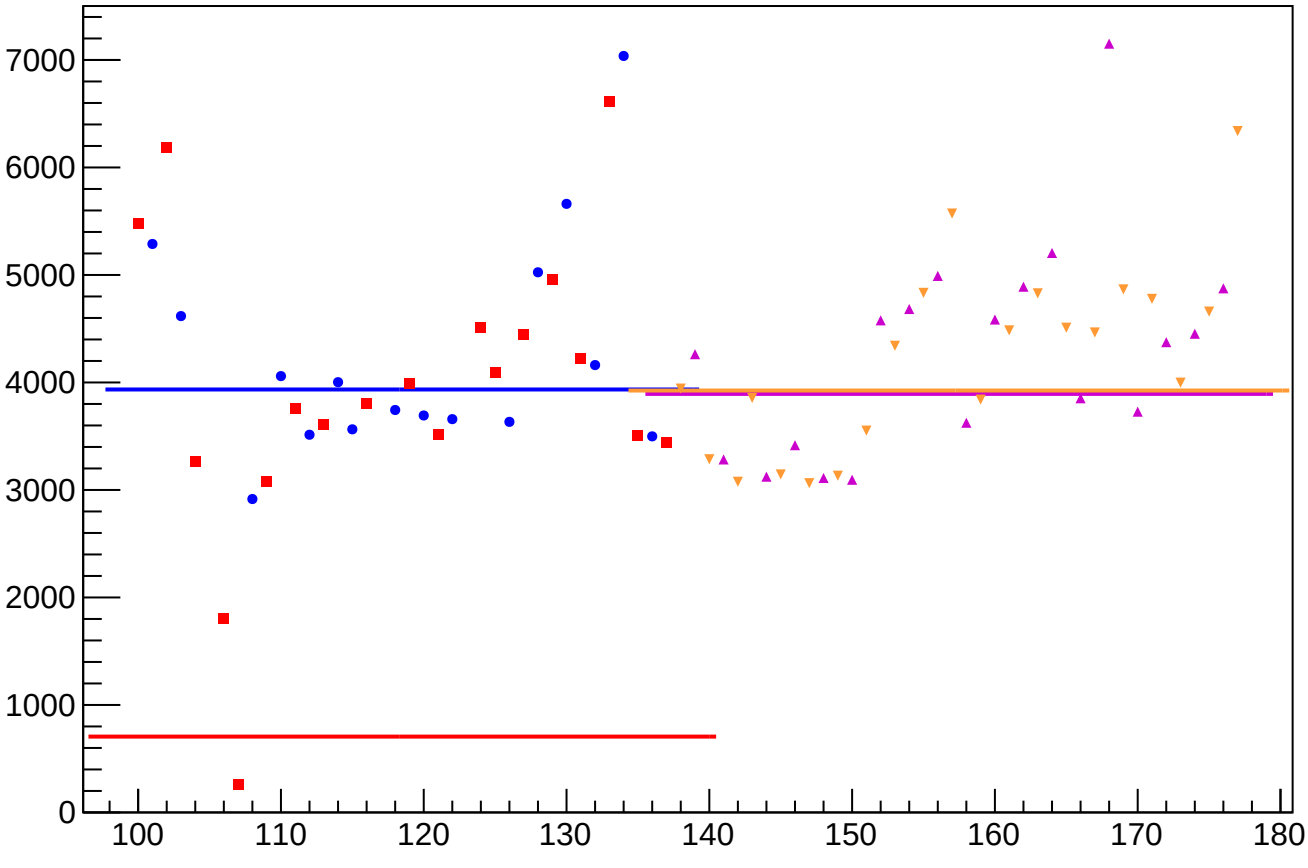
Left: -492.952+/-706.312 χ^2/NDF: 37.1/39

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 108.052+/-839.178 χ^2/NDF:27.0/34

Out: -36.988+/-454.636 χ^2/NDF:43.5/39

All: -4.077+/-399.742 χ^2/NDF: 70.5/74



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3925.029+/-0.698 χ^2/NDF:1208653.2/20

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3893.677+/-0.715 χ^2/NDF:1257104.5/18

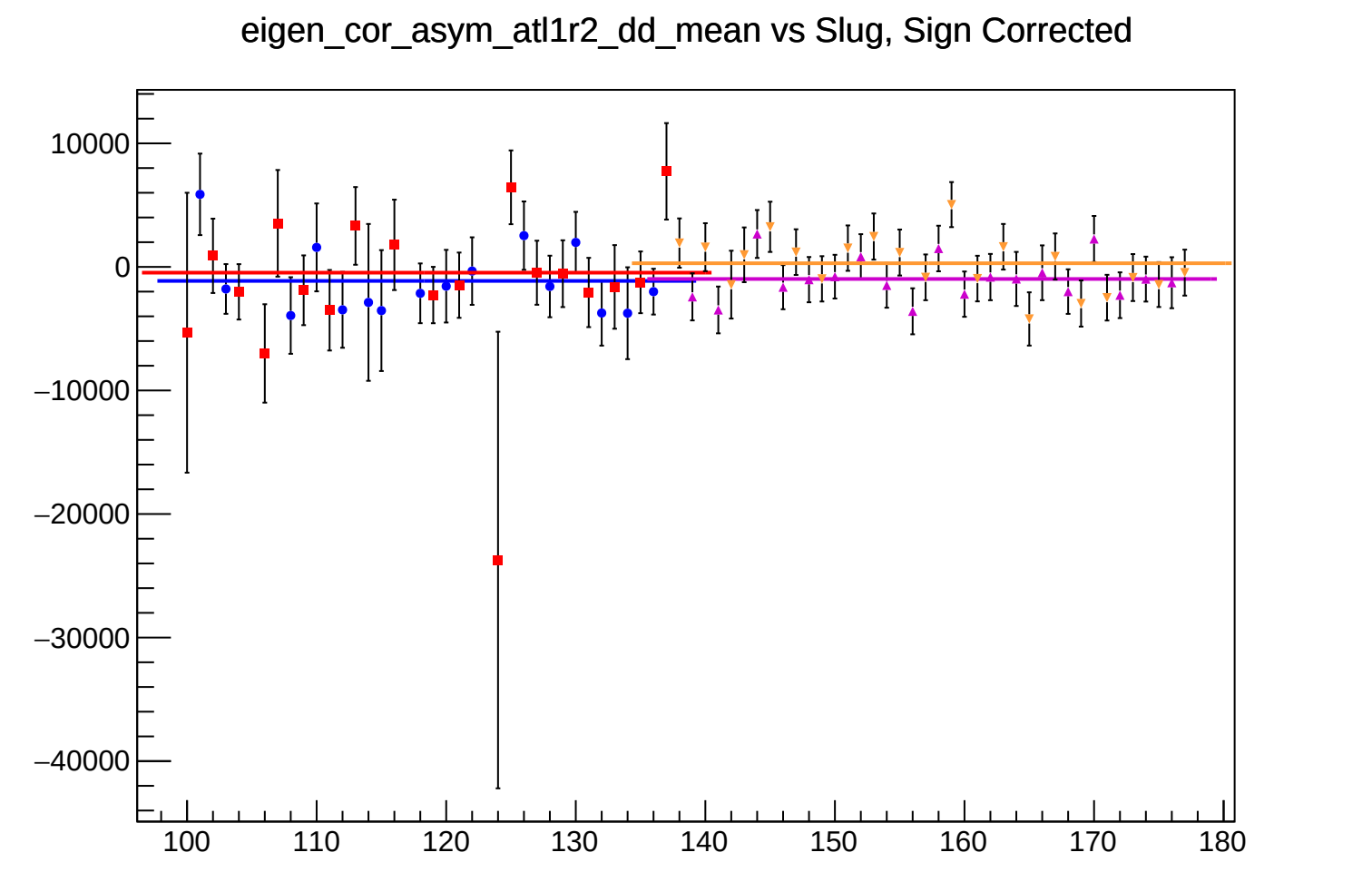
Left: 3909.750+/-0.499 χ^2/NDF: 2466742.2/39

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3906.488+/-0.593 χ^2/NDF:1818281.8/34

Out: 1389.469+/-0.321 χ^2/NDF:28733708.3/39

All: 1960.602+/-0.283 χ^2/NDF: 44461951.6/7



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 295.918+/-419.283 χ^2/NDF:25.8/20

Right Out: -465.899+/-705.928 χ^2/NDF: 20.0/18

Left In: -976.651+/-431.972 χ^2/NDF:15.2/18

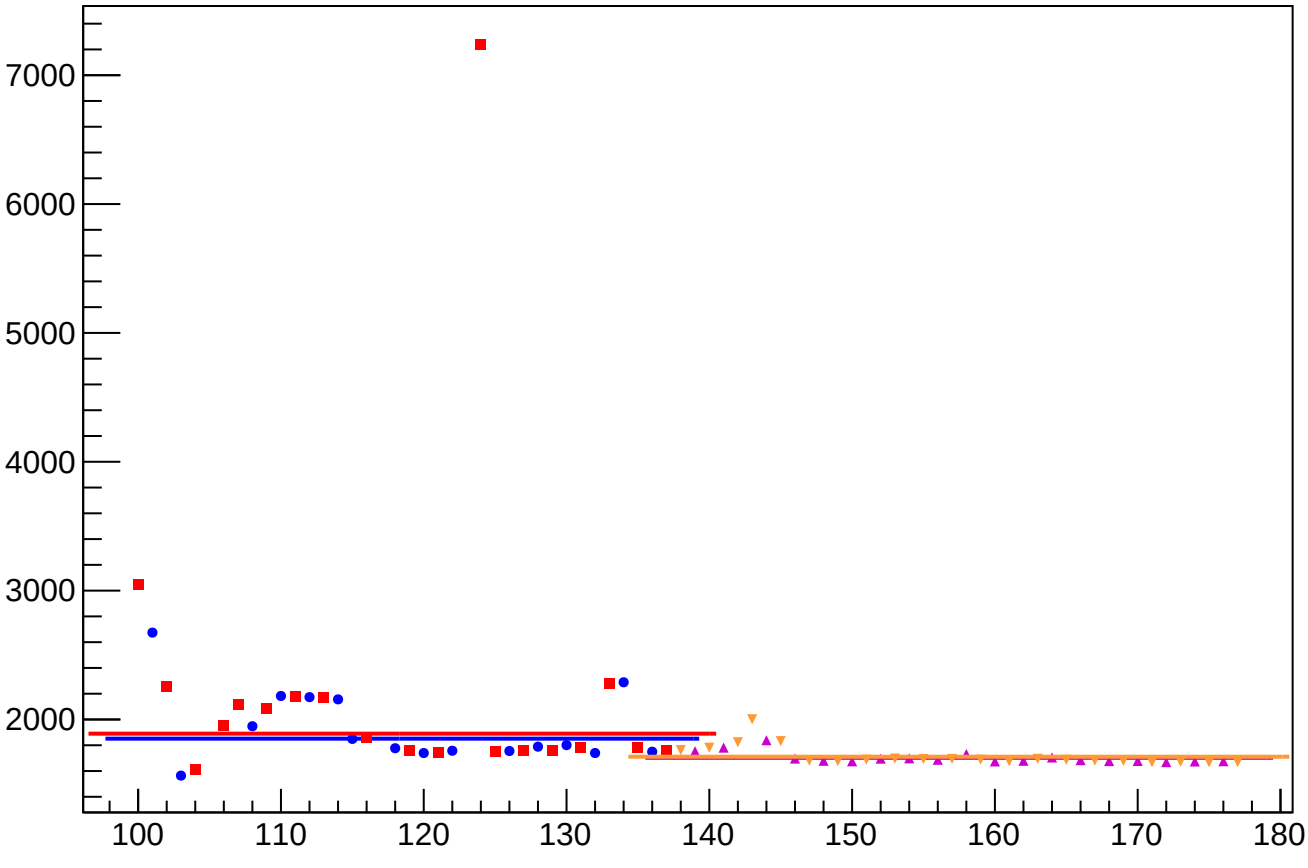
Left: -321.401+/-300.864 χ^2/NDF: 45.4/39

Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -1020.666+/-366.701 χ^2/NDF:27.5/34

Out: 97.254+/-360.491 χ^2/NDF:46.7/39

All: -452.160+/-257.073 χ^2/NDF: 78.9/74



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1711.042+/-0.296 χ^2/NDF:57466.8/20

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1702.454+/-0.305 χ^2/NDF:19475.7/18

Left: 1706.876+/-0.213 χ^2/NDF: 77349.5/39

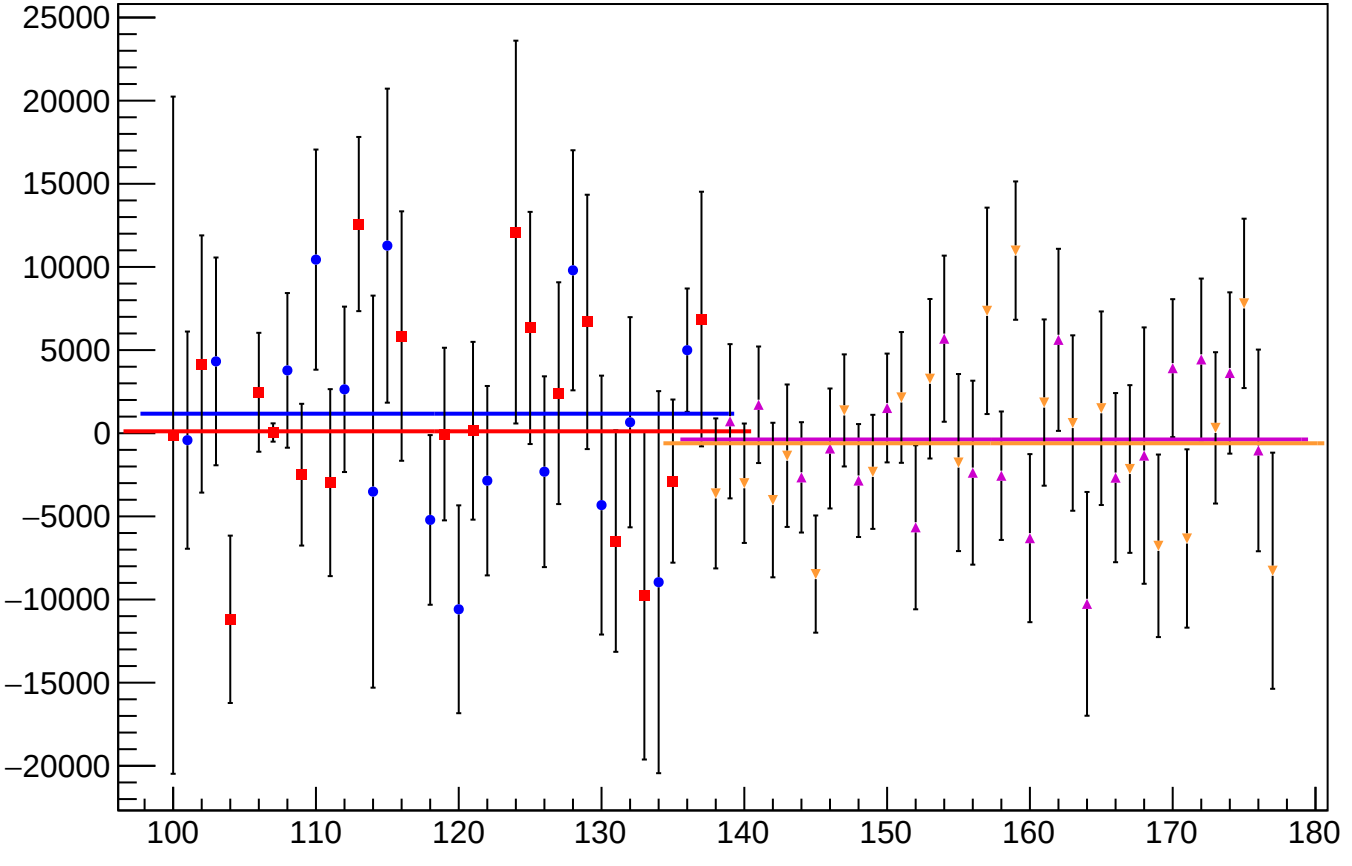
Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1743.990+/-0.259 χ^2/NDF:345644.6/34

Out: 1757.851+/-0.255 χ^2/NDF:511882.0/39

All: 1751.043+/-0.182 χ^2/NDF: 858980.6/74

asym_atl1r2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -603.925+/-986.443 χ^2/NDF:24.5/20

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -376.202+/-1011.791 χ^2/NDF:12.5/18

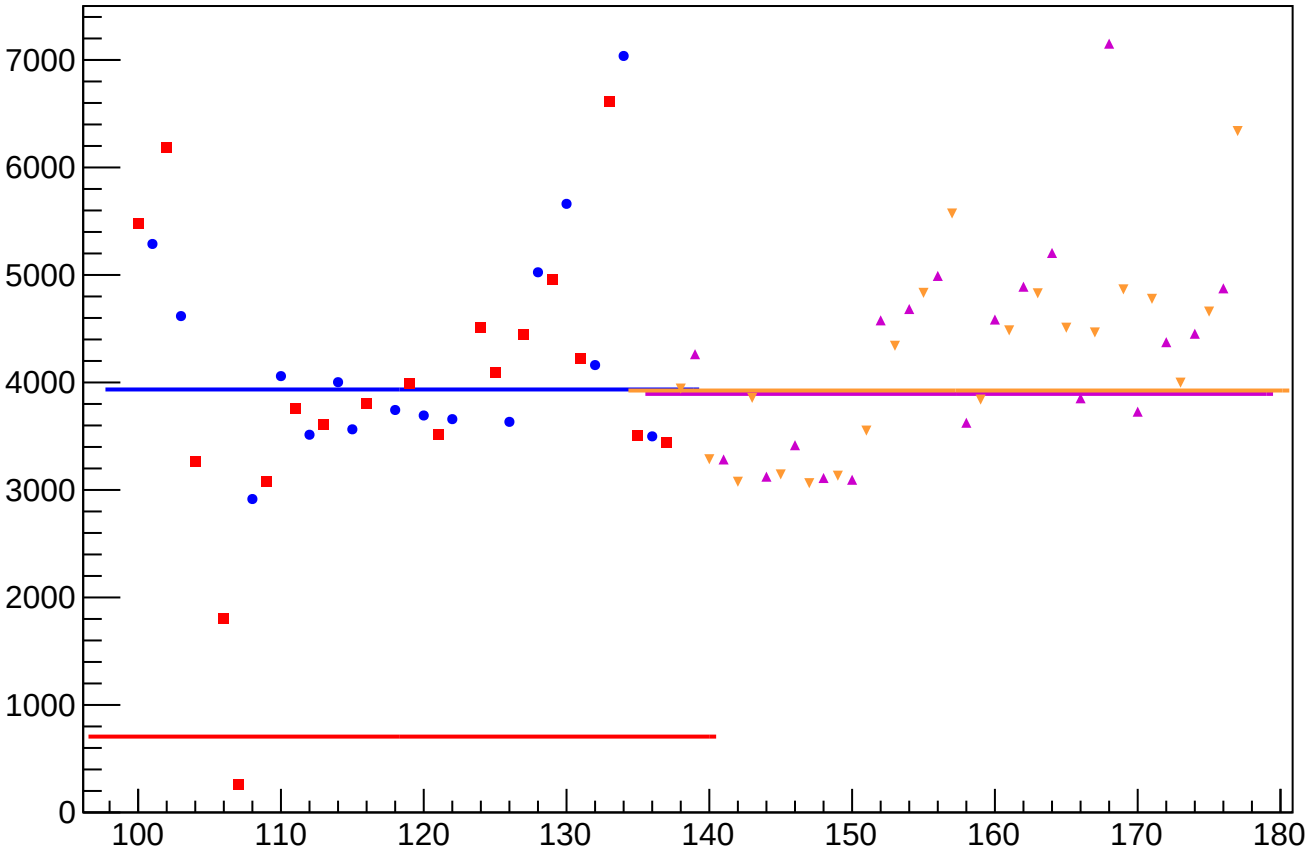
Left: -492.952+/-706.312 χ^2/NDF: 37.1/39

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 108.052+/-839.178 χ^2/NDF:27.0/34

Out: -36.988+/-454.636 χ^2/NDF:43.5/39

All: -4.077+/-399.742 χ^2/NDF: 70.5/74



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3925.029+/-0.698 χ^2/NDF:1208653.2/20

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3893.677+/-0.715 χ^2/NDF:1257104.5/18

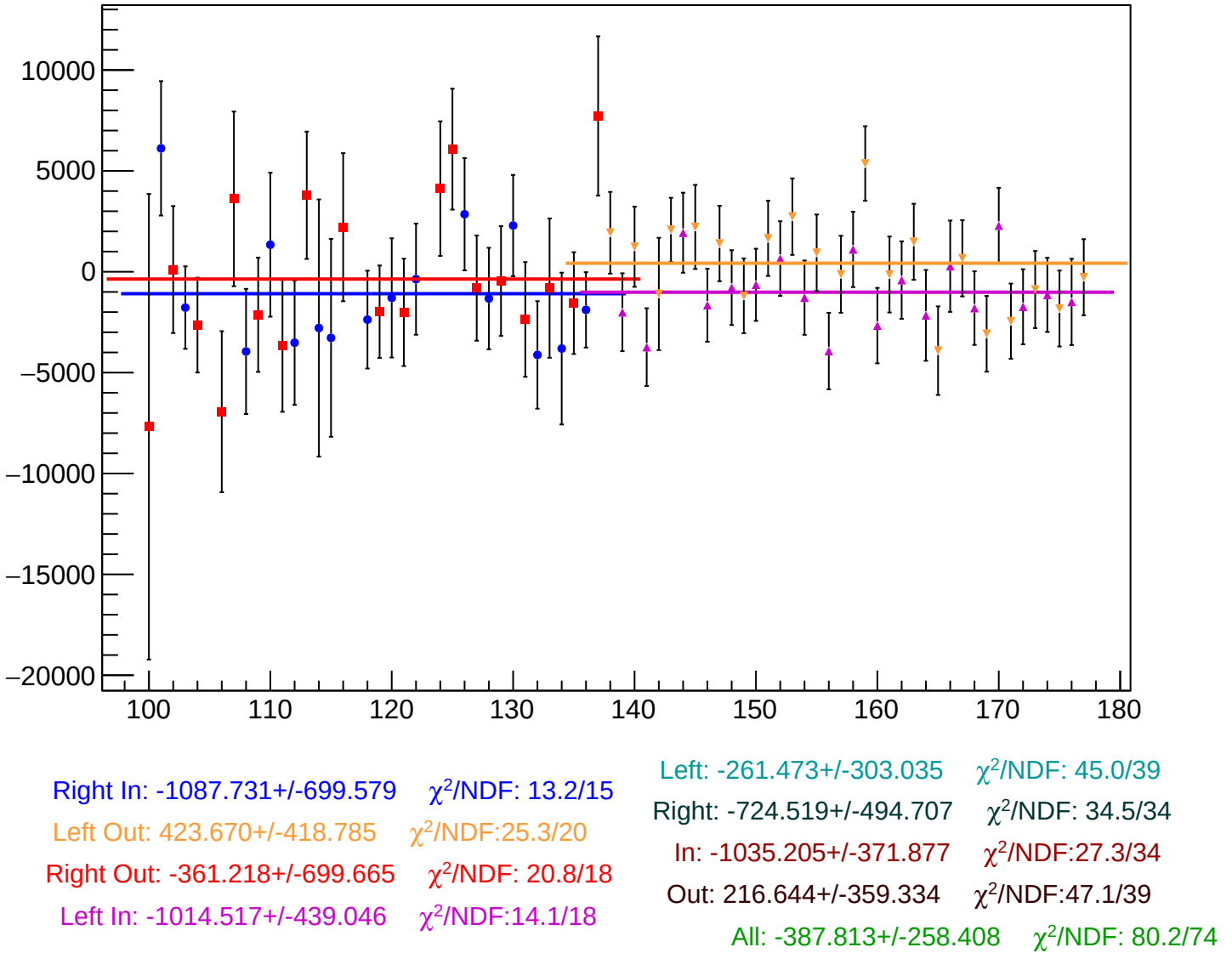
Left: 3909.750+/-0.499 χ^2/NDF: 2466742.2/39

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

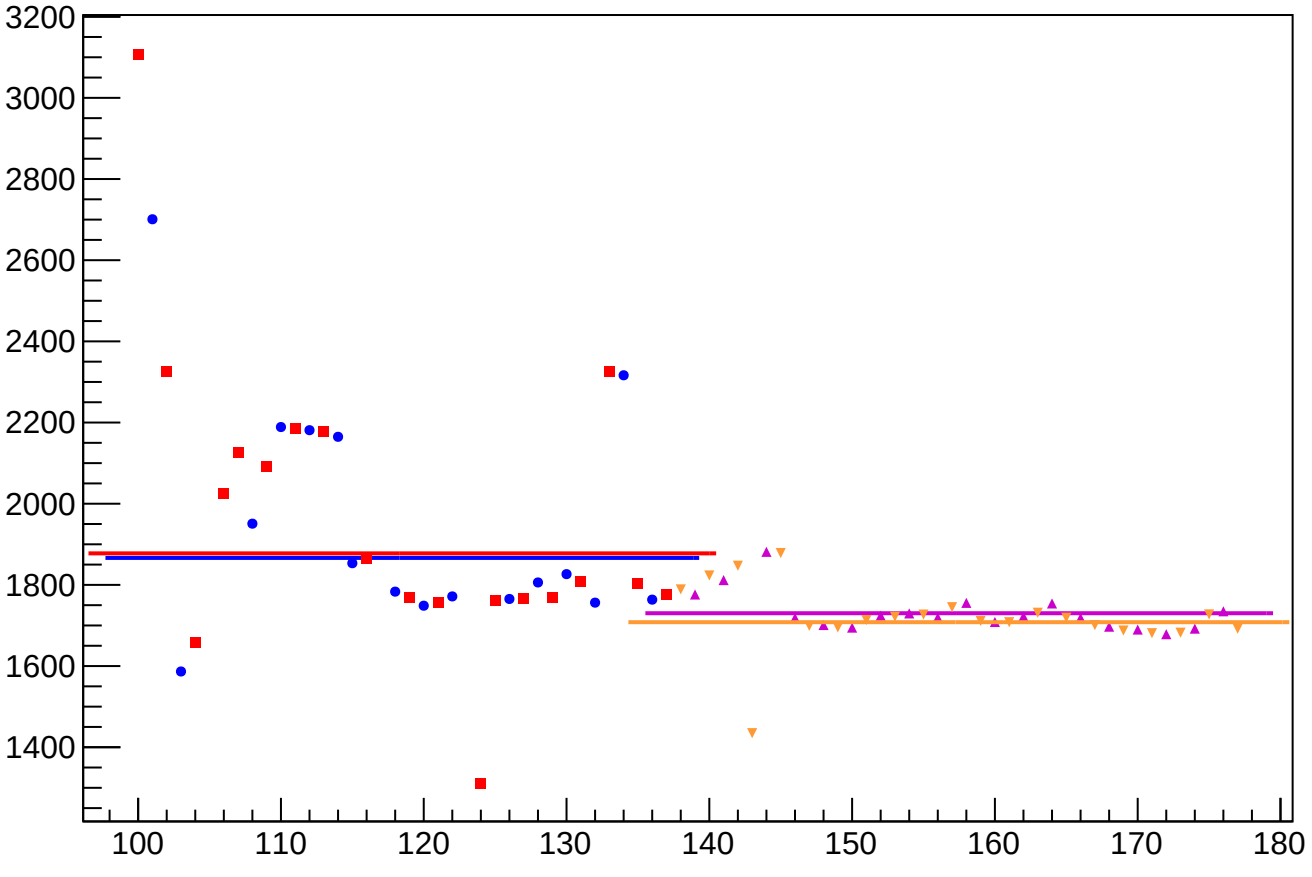
In: 3906.488+/-0.593 χ^2/NDF:1818281.8/34

Out: 1389.469+/-0.321 χ^2/NDF:28733708.3/39

All: 1960.602+/-0.283 χ^2/NDF: 44461951.6/7


dit_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
Right In: -1087.731+/-699.579 χ²/NDF: 13.2/15
Left Out: 423.670+/-418.785 χ²/NDF:25.3/20
Right Out: -361.218+/-699.665 χ²/NDF: 20.8/18
Left In: -1014.517+/-439.046 χ²/NDF:14.1/18
Left: -261.473+/-303.035 χ²/NDF: 45.0/39
Right: -724.519+/-494.707 χ²/NDF: 34.5/34
In: -1035.205+/-371.877 χ²/NDF:27.3/34
Out: 216.644+/-359.334 χ²/NDF:47.1/39
All: -387.813+/-258.408 χ²/NDF: 80.2/74

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1708.082+/-0.296 χ^2/NDF:90578.3/20

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

Left In: 1730.176+/-0.310 χ^2/NDF:22759.6/18

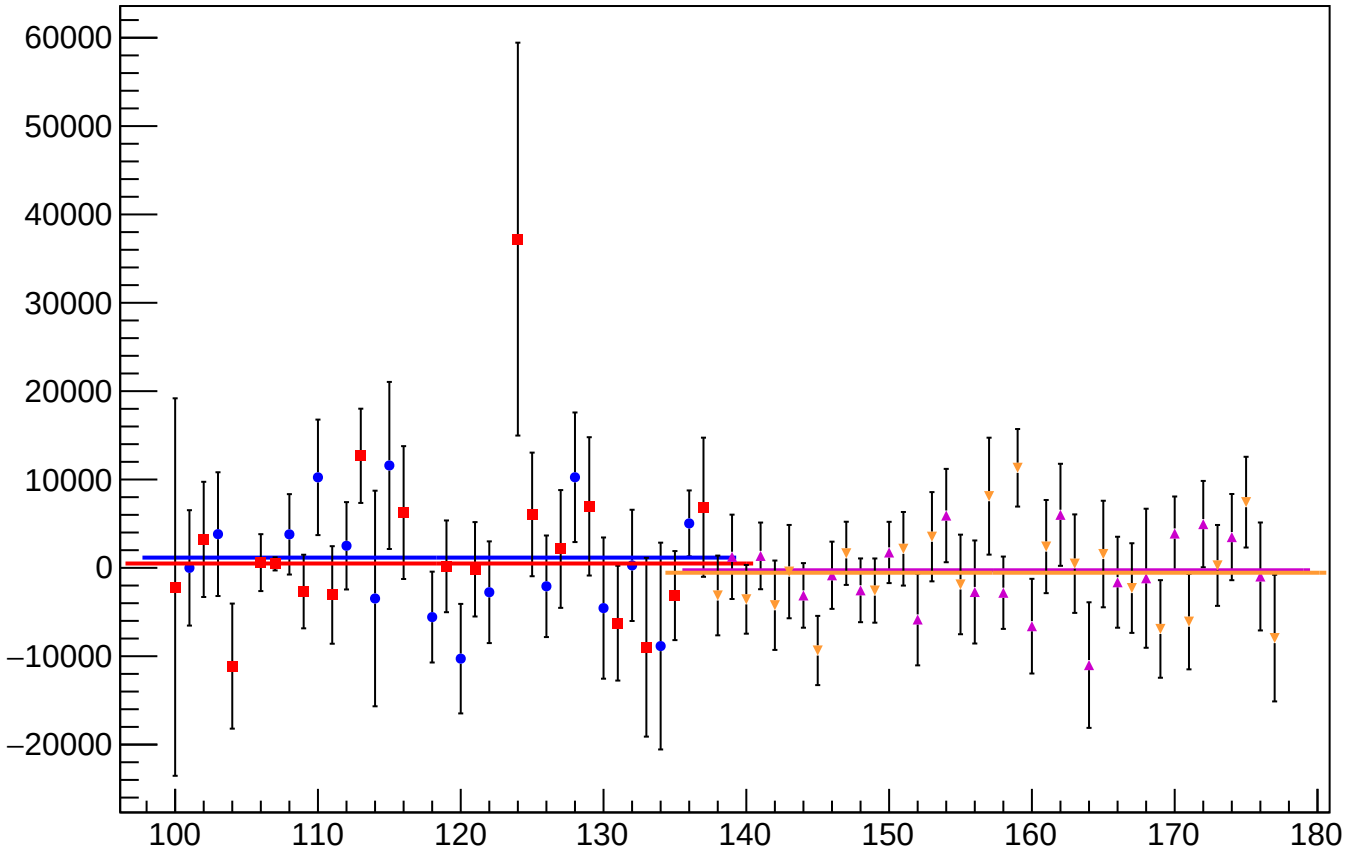
Left: 1718.608+/-0.214 χ^2/NDF: 115989.9/39

Right: 1872.061+/-0.350 χ^2/NDF: 508369.5/34

In: 1768.685+/-0.263 χ^2/NDF:333471.7/34

Out: 1752.865+/-0.254 χ^2/NDF:429030.4/39

All: 1760.502+/-0.183 χ^2/NDF: 764374.2/74



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -551.129+/-1043.093 χ^2/NDF:23.8/20

Right Out: 492.907+/-658.510 χ^2/NDF: 16.9/18

Left In: -273.784+/-1062.272 χ^2/NDF:12.4/18

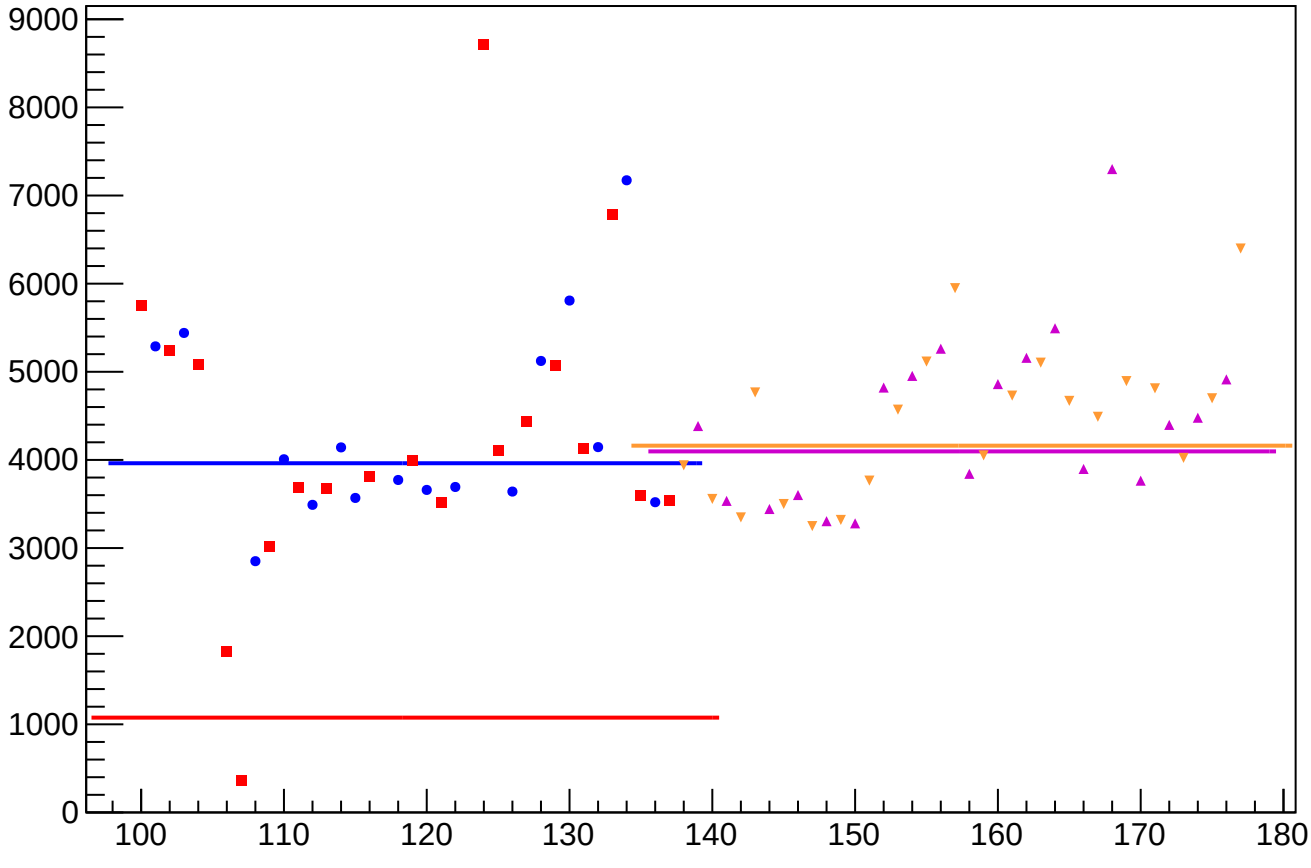
Left: -414.983+/-744.266 χ^2/NDF: 36.3/39

Right: 599.419+/-603.751 χ^2/NDF: 30.8/34

In: 200.320+/-869.243 χ^2/NDF:26.7/34

Out: 195.386+/-556.832 χ^2/NDF:41.5/39

All: 196.821+/-468.877 χ^2/NDF: 68.2/74



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 4161.702+/-0.738 χ^2/NDF:1047377.5/20

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

Left In: 4096.751+/-0.751 χ^2/NDF:1123737.2/18

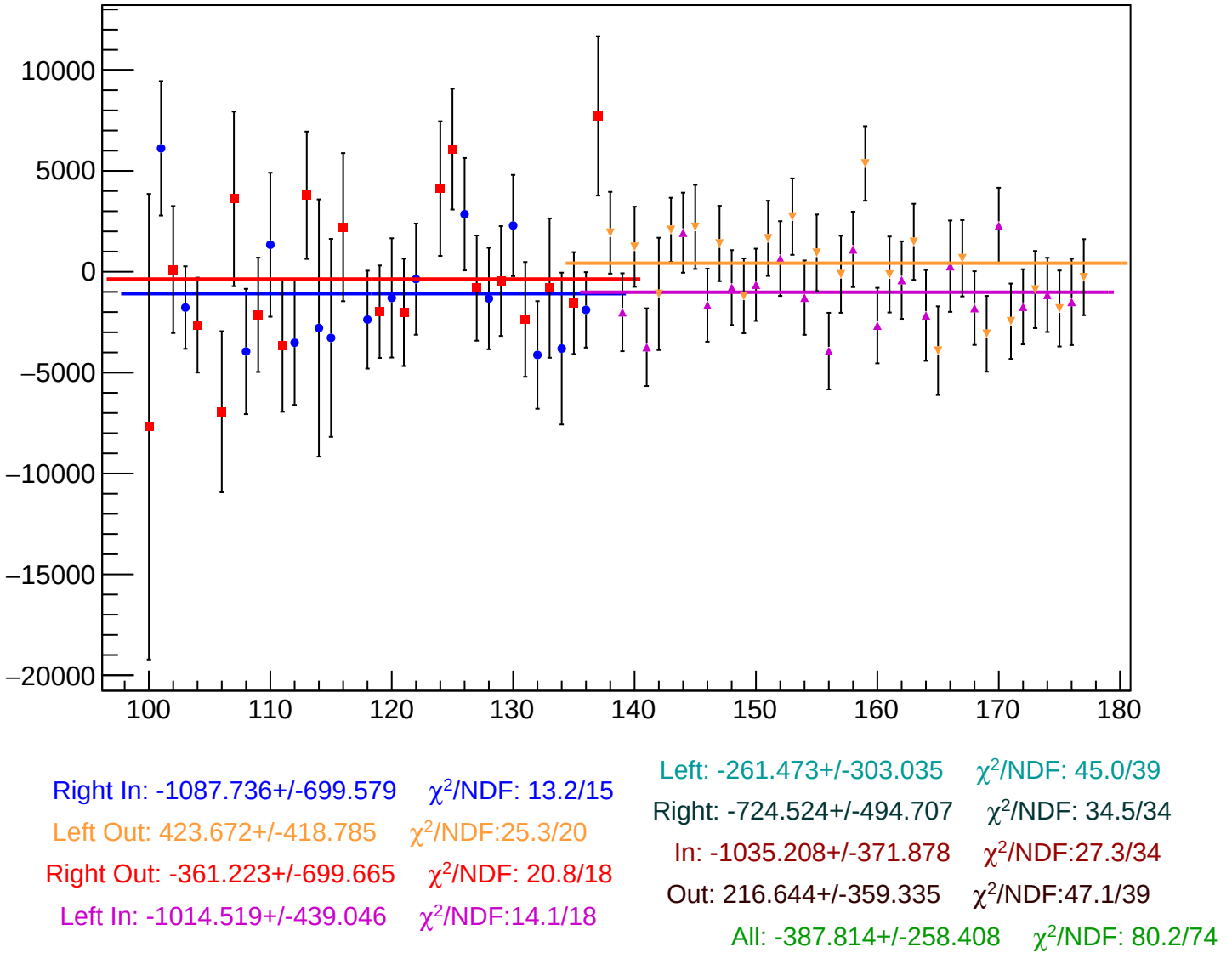
Left: 4129.819+/-0.526 χ^2/NDF: 2174921.3/39

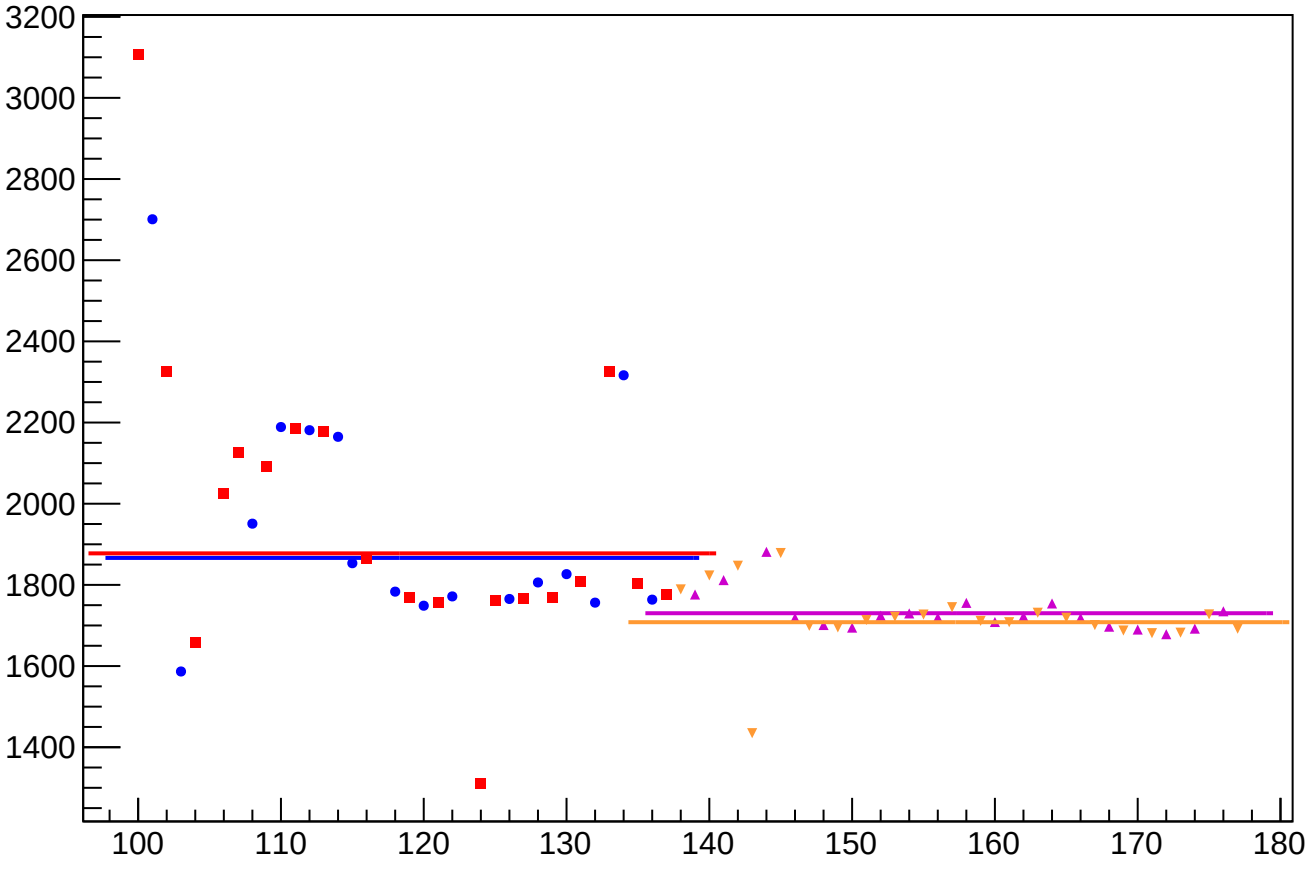
Right: 1536.045+/-0.427 χ^2/NDF: 16351680.6/34

In: 4052.350+/-0.615 χ^2/NDF:1802652.3/34

Out: 1955.308+/-0.394 χ^2/NDF:23120640.7/39

All: 2565.467+/-0.332 χ^2/NDF: 33176670.0/7


eigen_dit_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
Right In: -1087.736+/-699.579 χ²/NDF: 13.2/15
Left Out: 423.672+/-418.785 χ²/NDF:25.3/20
Right Out: -361.223+/-699.665 χ²/NDF: 20.8/18
Left In: -1014.519+/-439.046 χ²/NDF:14.1/18
Left: -261.473+/-303.035 χ²/NDF: 45.0/39
Right: -724.524+/-494.707 χ²/NDF: 34.5/34
In: -1035.208+/-371.878 χ²/NDF:27.3/34
Out: 216.644+/-359.335 χ²/NDF:47.1/39
All: -387.814+/-258.408 χ²/NDF: 80.2/74



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1708.083+/-0.296 χ^2/NDF:90577.5/20

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1730.177+/-0.310 χ^2/NDF:22759.6/18

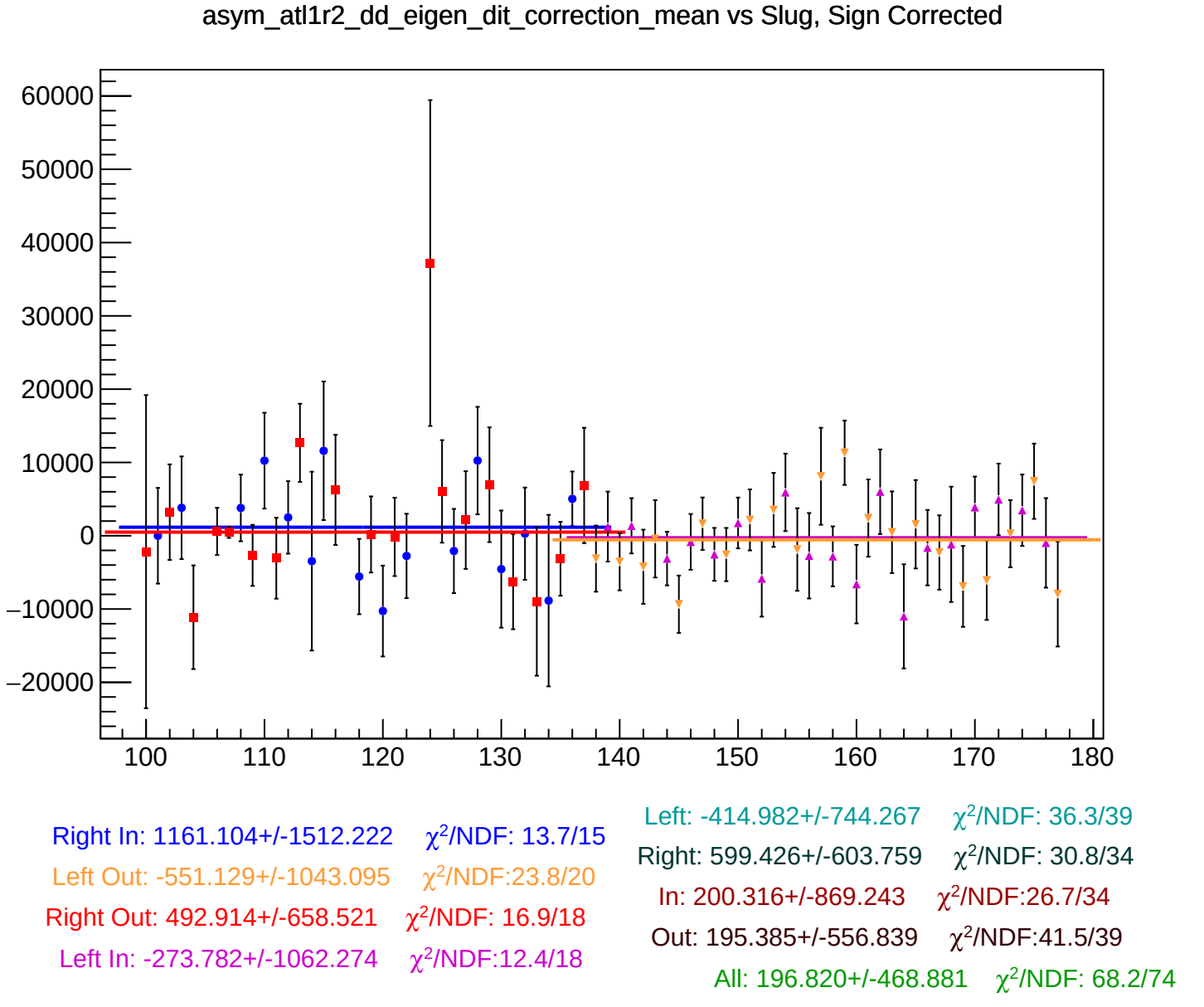
Left: 1718.609+/-0.214 χ^2/NDF: 115989.1/39

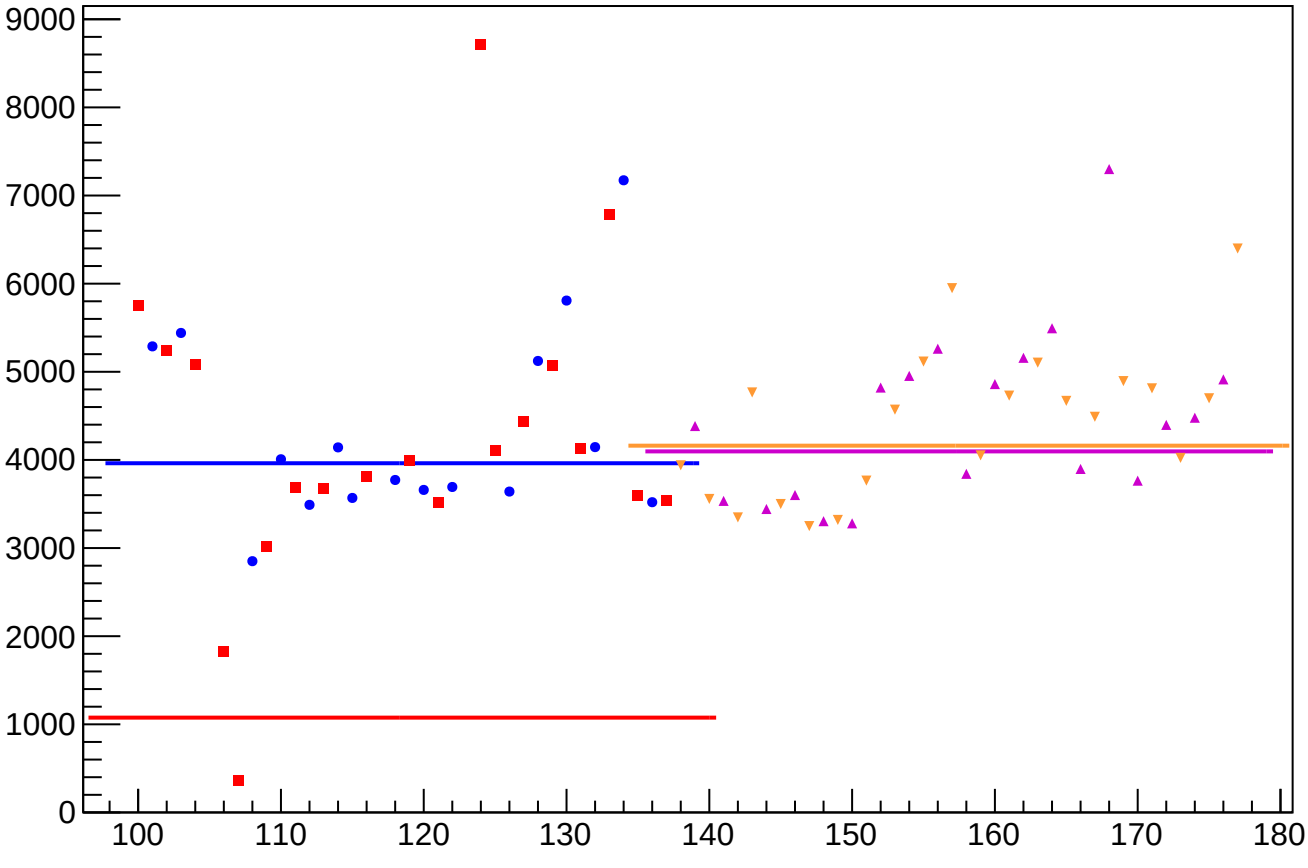
Right: 1872.061+/-0.350 χ^2/NDF: 508369.7/34

In: 1768.685+/-0.263 χ^2/NDF:333471.0/34

Out: 1752.866+/-0.254 χ^2/NDF:429029.1/39

All: 1760.503+/-0.183 χ^2/NDF: 764372.1/74


asym_atl1r2_dd_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: 1161.104+/-1512.222 χ²/NDF: 13.7/15
Left Out: -551.129+/-1043.095 χ²/NDF:23.8/20
Right Out: 492.914+/-658.521 χ²/NDF: 16.9/18
Left In: -273.782+/-1062.274 χ²/NDF:12.4/18
Left: -414.982+/-744.267 χ²/NDF: 36.3/39
Right: 599.426+/-603.759 χ²/NDF: 30.8/34
In: 200.316+/-869.243 χ²/NDF:26.7/34
Out: 195.385+/-556.839 χ²/NDF:41.5/39
All: 196.820+/-468.881 χ²/NDF: 68.2/74



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 4161.708+/-0.738 χ^2/NDF:1047377.7/20

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

Left In: 4096.757+/-0.751 χ^2/NDF:1123739.4/18

Left: 4129.824+/-0.526 χ^2/NDF: 2174923.7/39

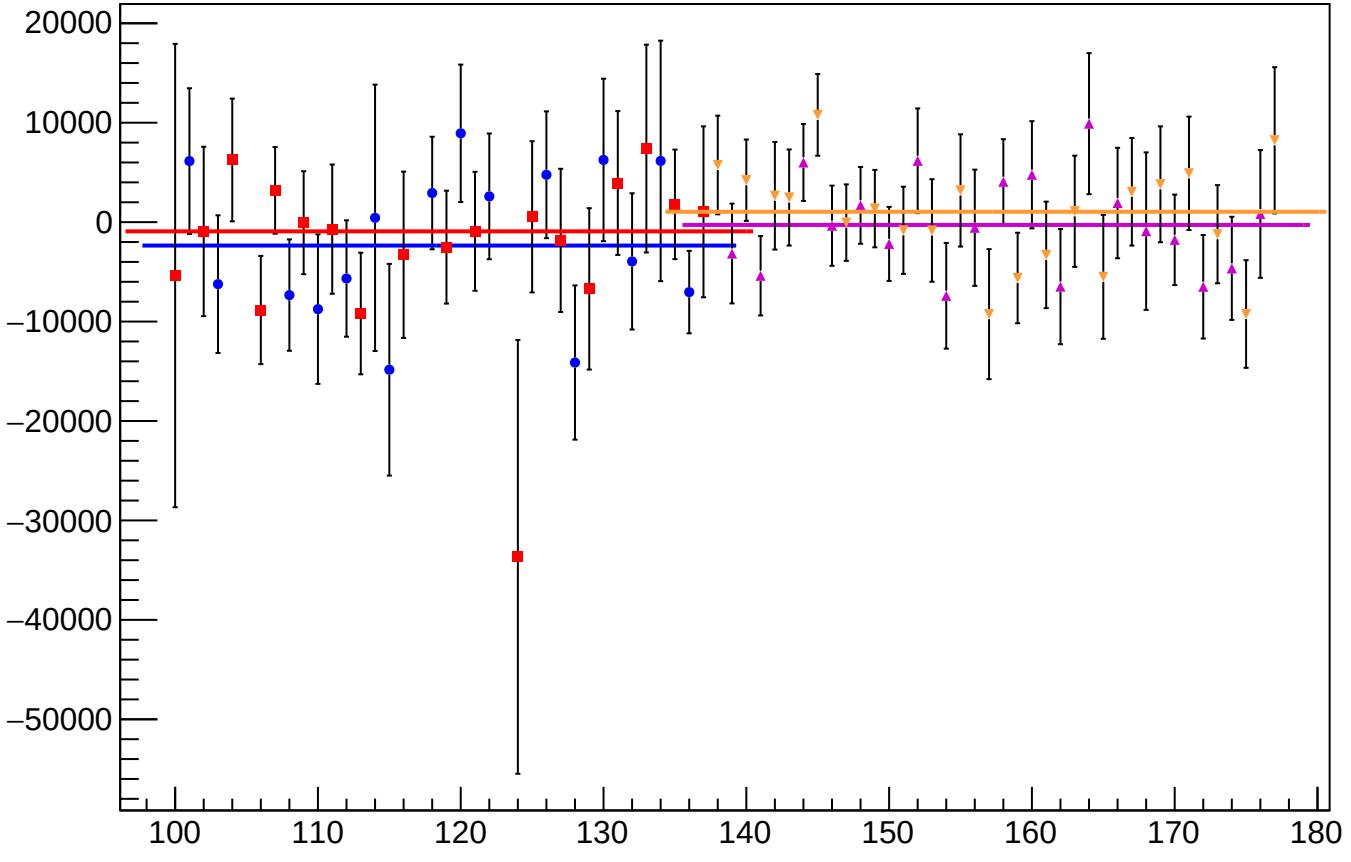
Right: 1536.084+/-0.427 χ^2/NDF: 16351375.7/34

In: 4052.352+/-0.615 χ^2/NDF:1802652.7/34

Out: 1955.351+/-0.394 χ^2/NDF:23120166.0/39

All: 2565.508+/-0.332 χ^2/NDF: 33175810.2/7

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 1043.078+/-1088.800 χ^2/NDF:19.8/20

Right Out: -924.896+/-1546.889 χ^2/NDF: 10.6/18

Left In: -282.031+/-1115.139 χ^2/NDF:16.0/18

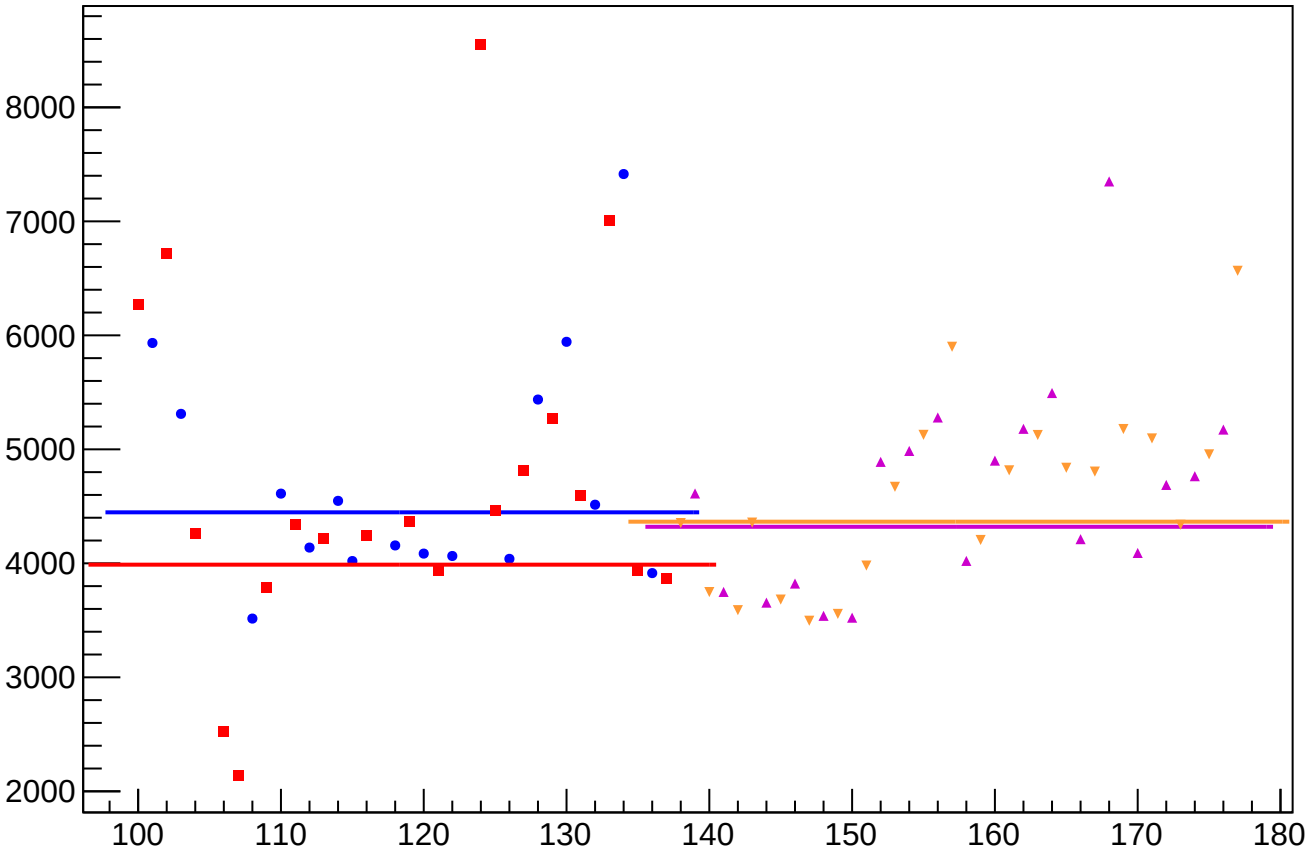
Left: 396.357+/-779.043 χ^2/NDF: 36.5/39

Right: -1578.969+/-1139.452 χ^2/NDF: 26.5/34

In: -913.487+/-929.897 χ^2/NDF:32.6/34

Out: 391.100+/-890.360 χ^2/NDF:31.5/39

All: -232.870+/-643.103 χ^2/NDF: 65.1/74



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 4365.367+/-0.770 χ^2/NDF:852849.6/20

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

Left In: 4320.538+/-0.789 χ^2/NDF:909432.6/18

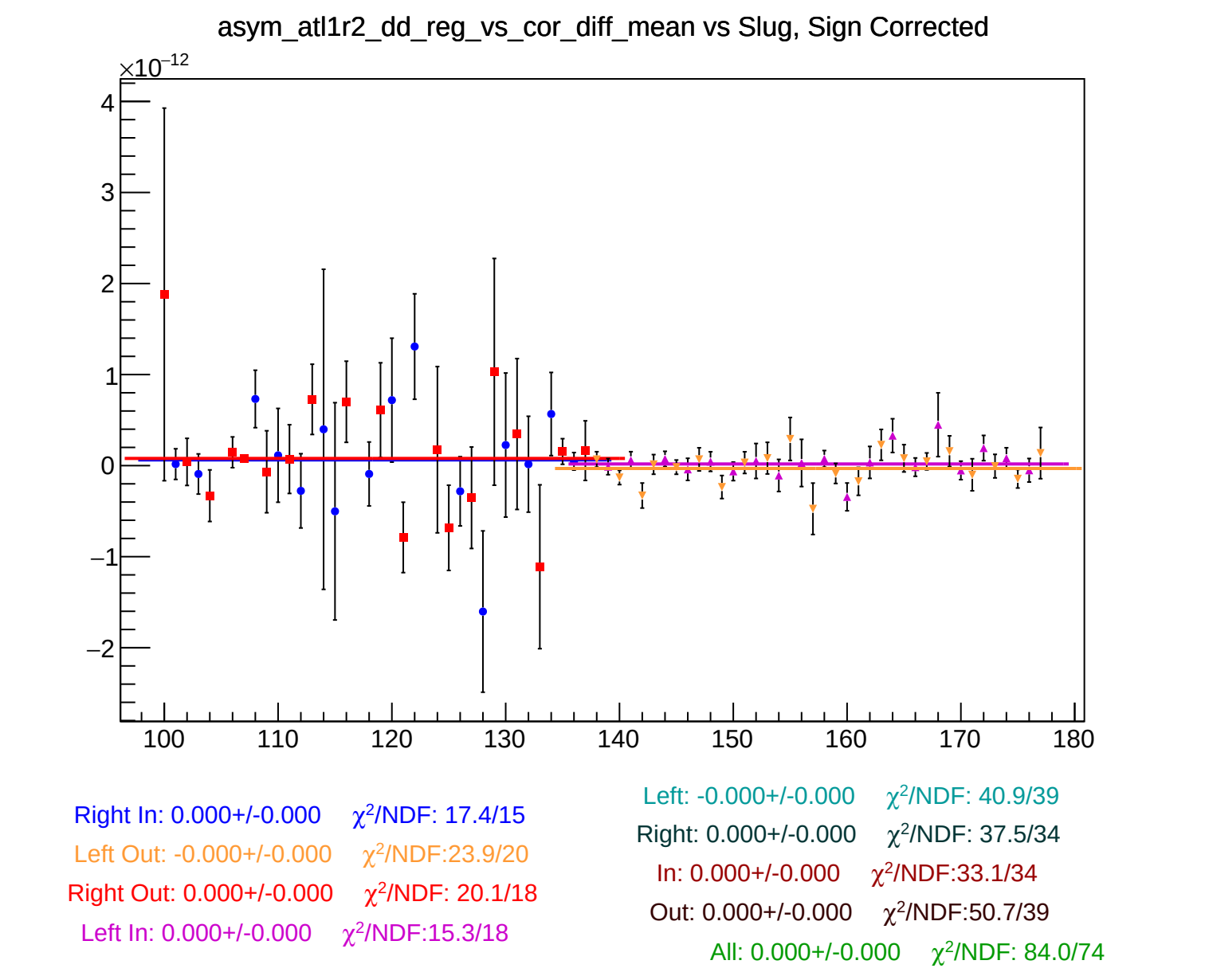
Left: 4343.488+/-0.551 χ^2/NDF: 1763937.0/39

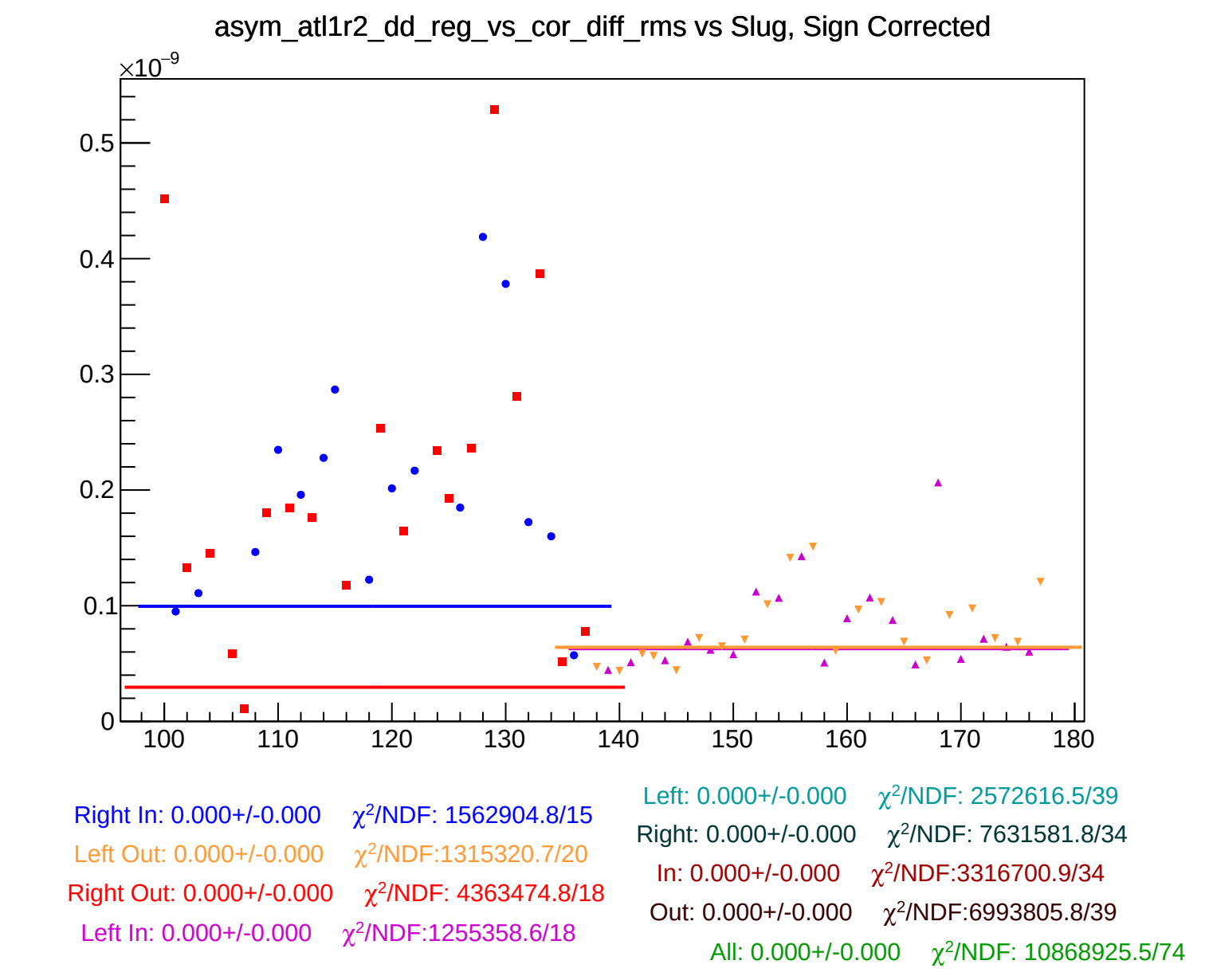
Right: 4196.010+/-0.801 χ^2/NDF: 1683524.5/34

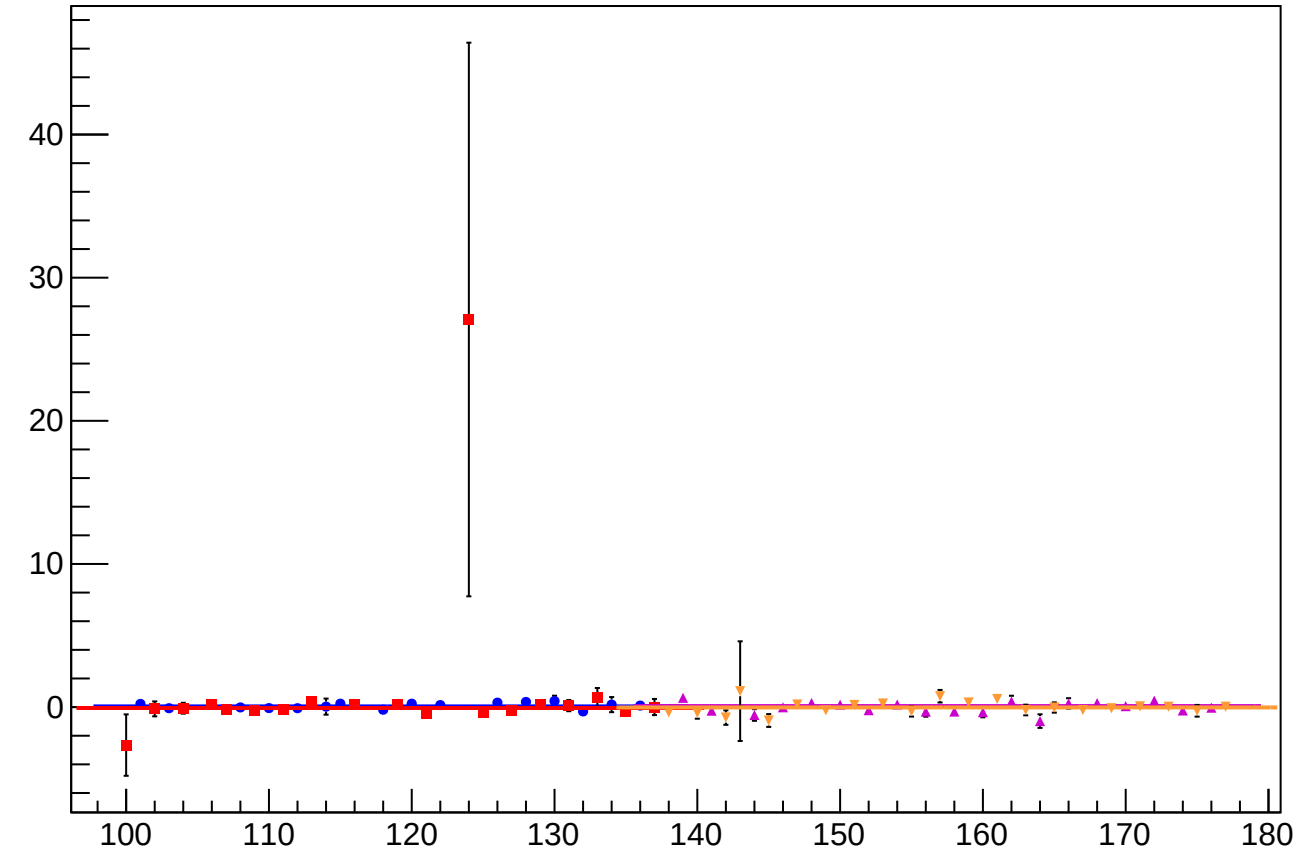
In: 4359.192+/-0.658 χ^2/NDF:1375572.1/34

Out: 4238.760+/-0.627 χ^2/NDF:2077333.2/39

All: 4296.161+/-0.454 χ^2/NDF: 3470462.4/74


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:23.9/20
Right Out: 0.000+/-0.000 χ²/NDF: 20.1/18
Left In: 0.000+/-0.000 χ²/NDF:15.3/18
Left: -0.000+/-0.000 χ²/NDF: 40.9/39
Right: 0.000+/-0.000 χ²/NDF: 37.5/34
In: 0.000+/-0.000 χ²/NDF:33.1/34
Out: 0.000+/-0.000 χ²/NDF:50.7/39
All: 0.000+/-0.000 χ²/NDF: 84.0/74


asym_atl1r2_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1562904.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1315320.7/20
Right Out: 0.000+/-0.000 χ²/NDF: 4363474.8/18
Left In: 0.000+/-0.000 χ²/NDF:1255358.6/18
Left: 0.000+/-0.000 χ²/NDF: 2572616.5/39
Right: 0.000+/-0.000 χ²/NDF: 7631581.8/34
In: 0.000+/-0.000 χ²/NDF:3316700.9/34
Out: 0.000+/-0.000 χ²/NDF:6993805.8/39
All: 0.000+/-0.000 χ²/NDF: 10868925.5/74



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.023+/-0.064 χ^2/NDF:19.9/20

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.071+/-0.066 χ^2/NDF:27.5/18

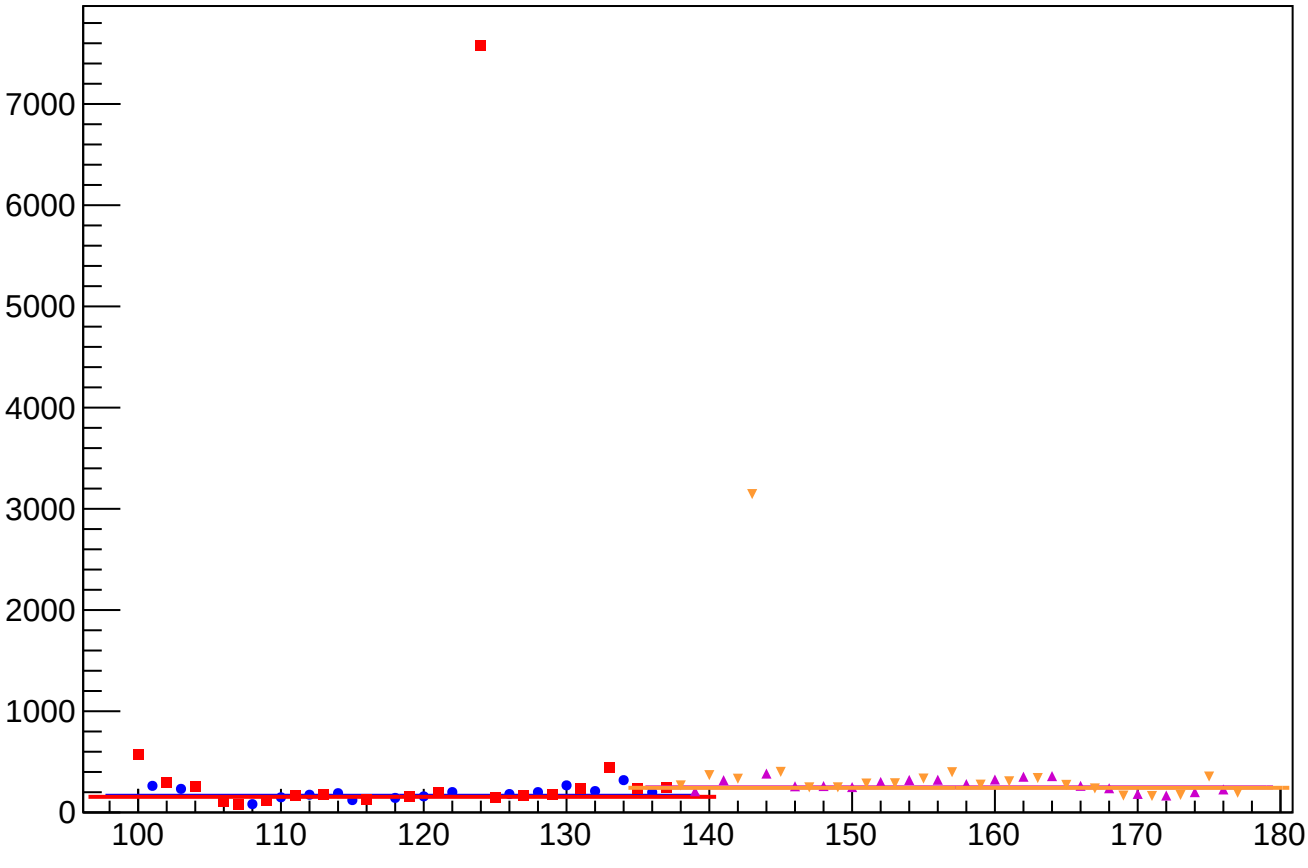
Left: 0.023+/-0.046 χ^2/NDF: 48.4/39

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.059+/-0.047 χ^2/NDF:35.1/34

Out: -0.042+/-0.046 χ^2/NDF:38.5/39

All: 0.007+/-0.033 χ^2/NDF: 76.0/74



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 243.527+/-0.046 χ^2/NDF:3783731.4/20

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 247.969+/-0.047 χ^2/NDF:1634922.3/18

Left: 245.696+/-0.033 χ^2/NDF: 5423297.4/39

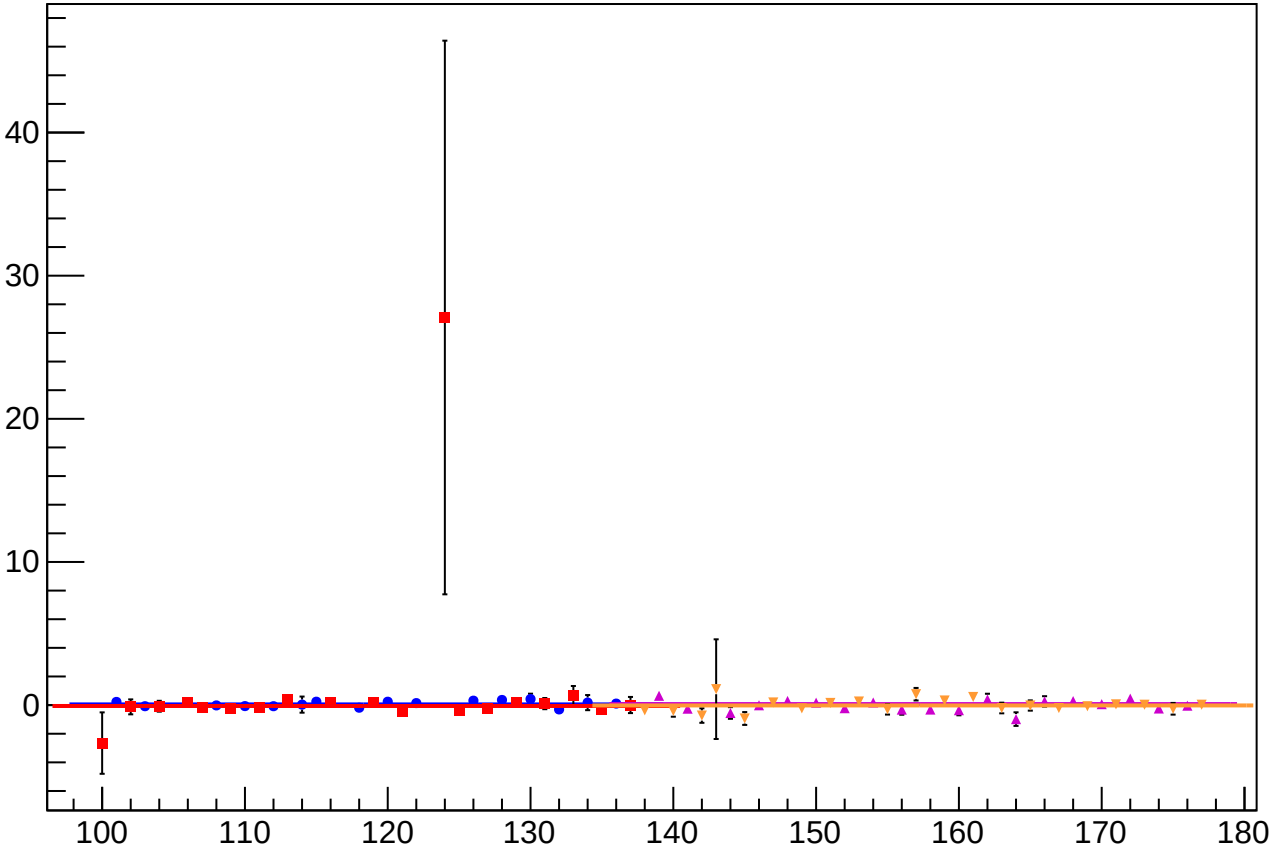
Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 206.712+/-0.033 χ^2/NDF:4687030.9/34

Out: 198.942+/-0.032 χ^2/NDF:7620035.9/39

All: 202.722+/-0.023 χ^2/NDF: 12335387.6/74

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: -0.023+/-0.064 χ^2/NDF:19.9/20

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.071+/-0.066 χ^2/NDF:27.5/18

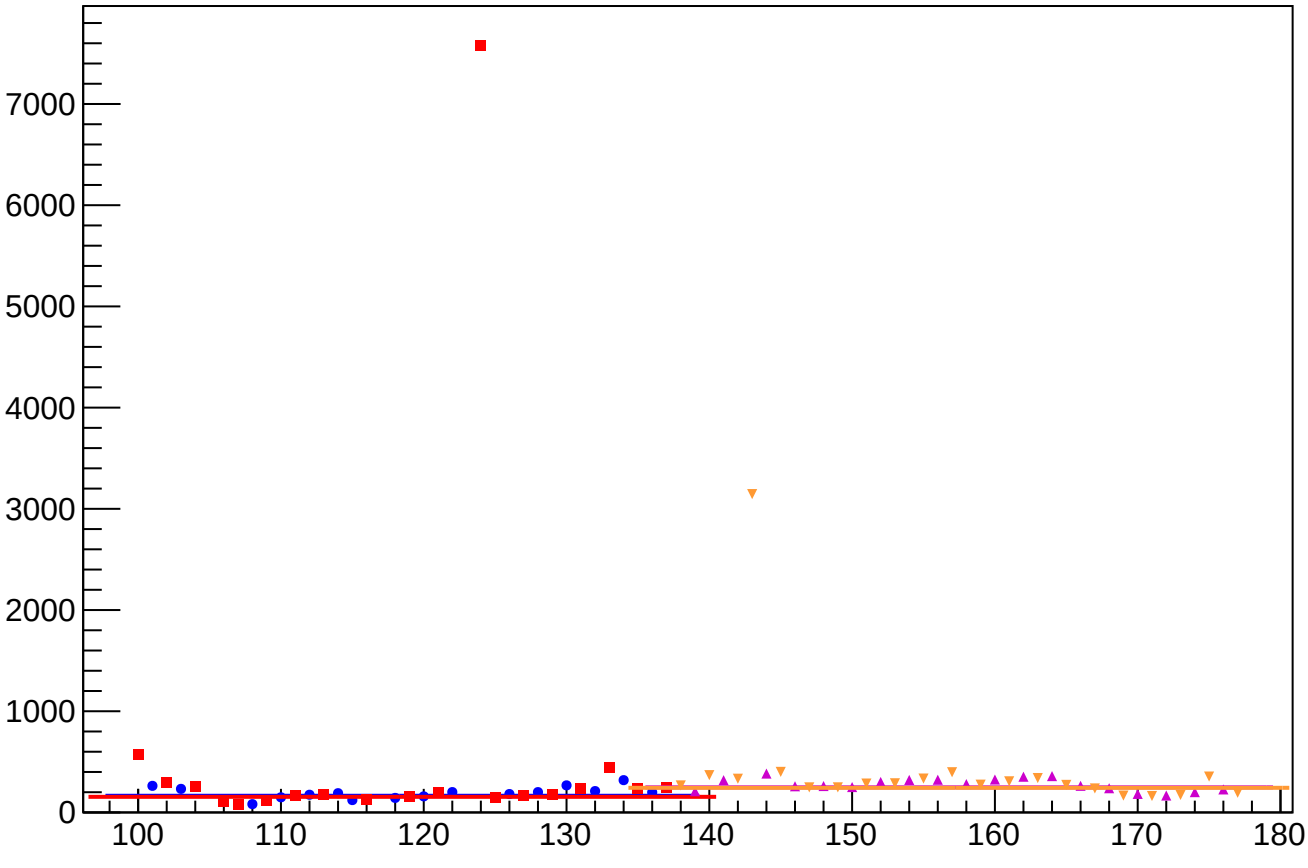
Left: 0.023+/-0.046 χ^2/NDF: 48.4/39

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.059+/-0.047 χ^2/NDF:35.1/34

Out: -0.042+/-0.046 χ^2/NDF:38.5/39

All: 0.007+/-0.033 χ^2/NDF: 76.0/74



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 243.527+/-0.046 χ^2/NDF:3783731.4/20

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 247.969+/-0.047 χ^2/NDF:1634922.3/18

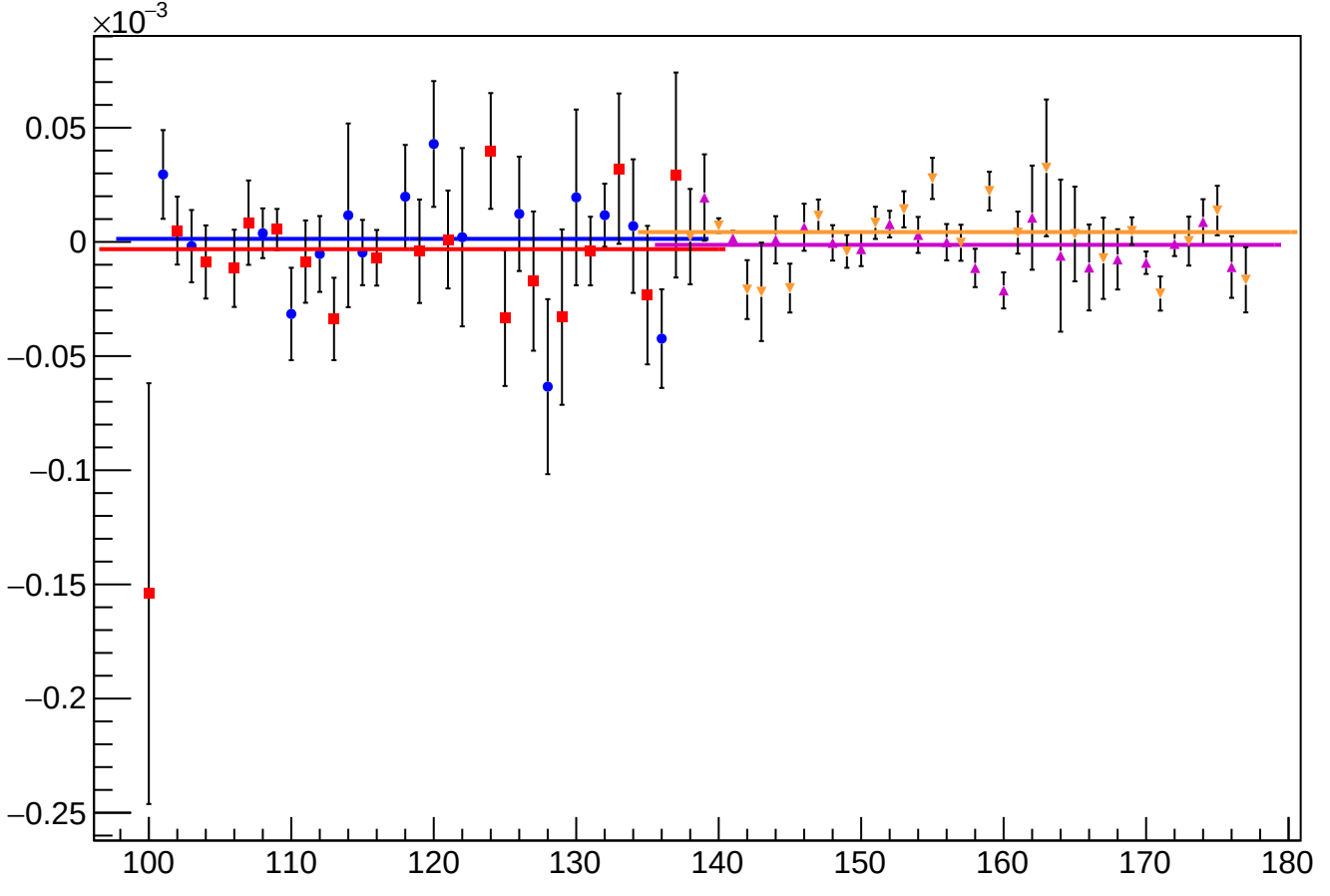
Left: 245.696+/-0.033 χ^2/NDF: 5423297.4/39

Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 206.712+/-0.033 χ^2/NDF:4687030.9/34

Out: 198.942+/-0.032 χ^2/NDF:7620035.9/39

All: 202.722+/-0.023 χ^2/NDF: 12335387.6/74



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:44.5/20

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:18.2/18

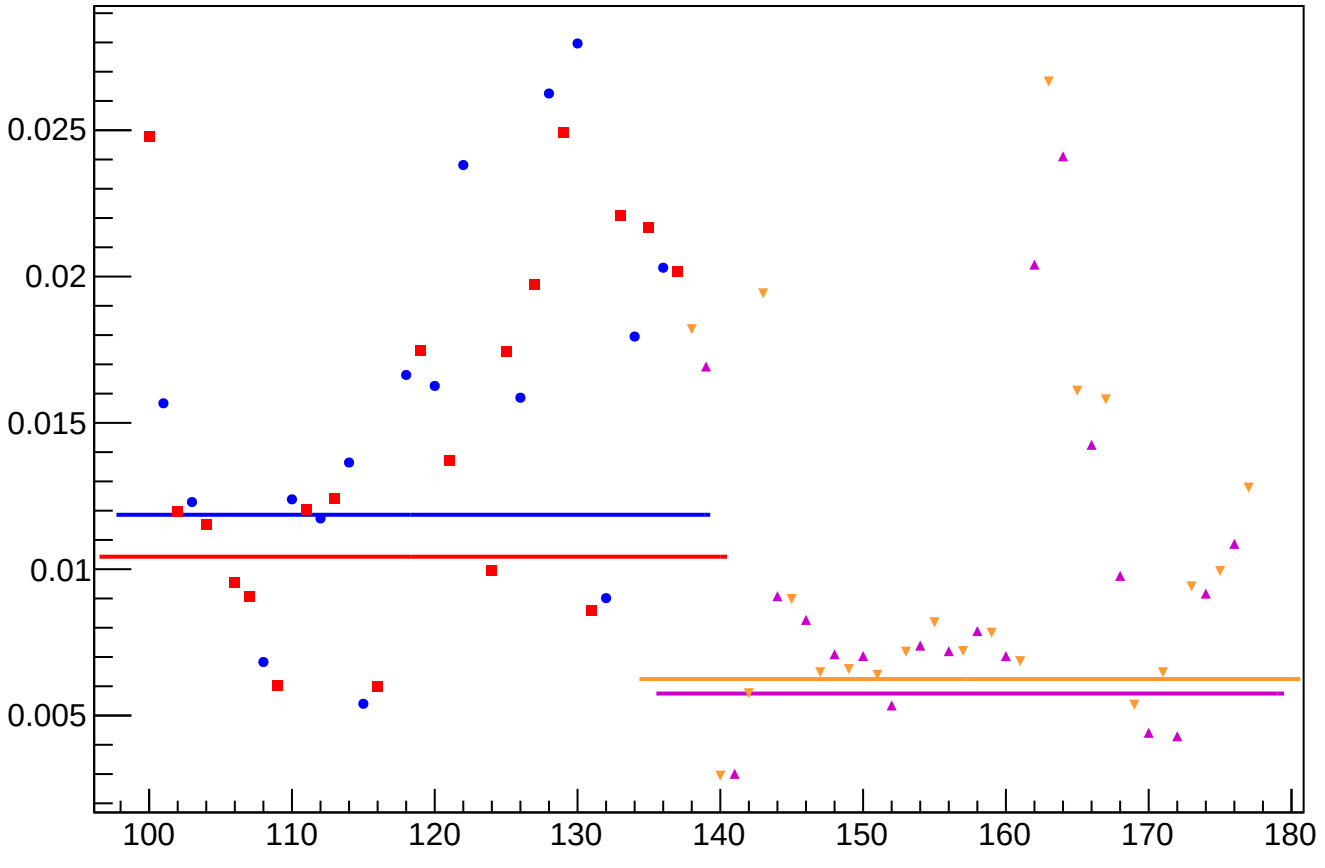
Left: 0.000+/-0.000 χ^2/NDF: 67.9/39

Right: -0.000+/-0.000 χ^2/NDF: 31.2/34

In: -0.000+/-0.000 χ^2/NDF:34.6/34

Out: 0.000+/-0.000 χ^2/NDF:61.8/39

All: 0.000+/-0.000 χ^2/NDF: 99.7/74



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.006+/-0.000 χ^2/NDF:6715588.2/20

Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

Left In: 0.006+/-0.000 χ^2/NDF:5801969.2/18

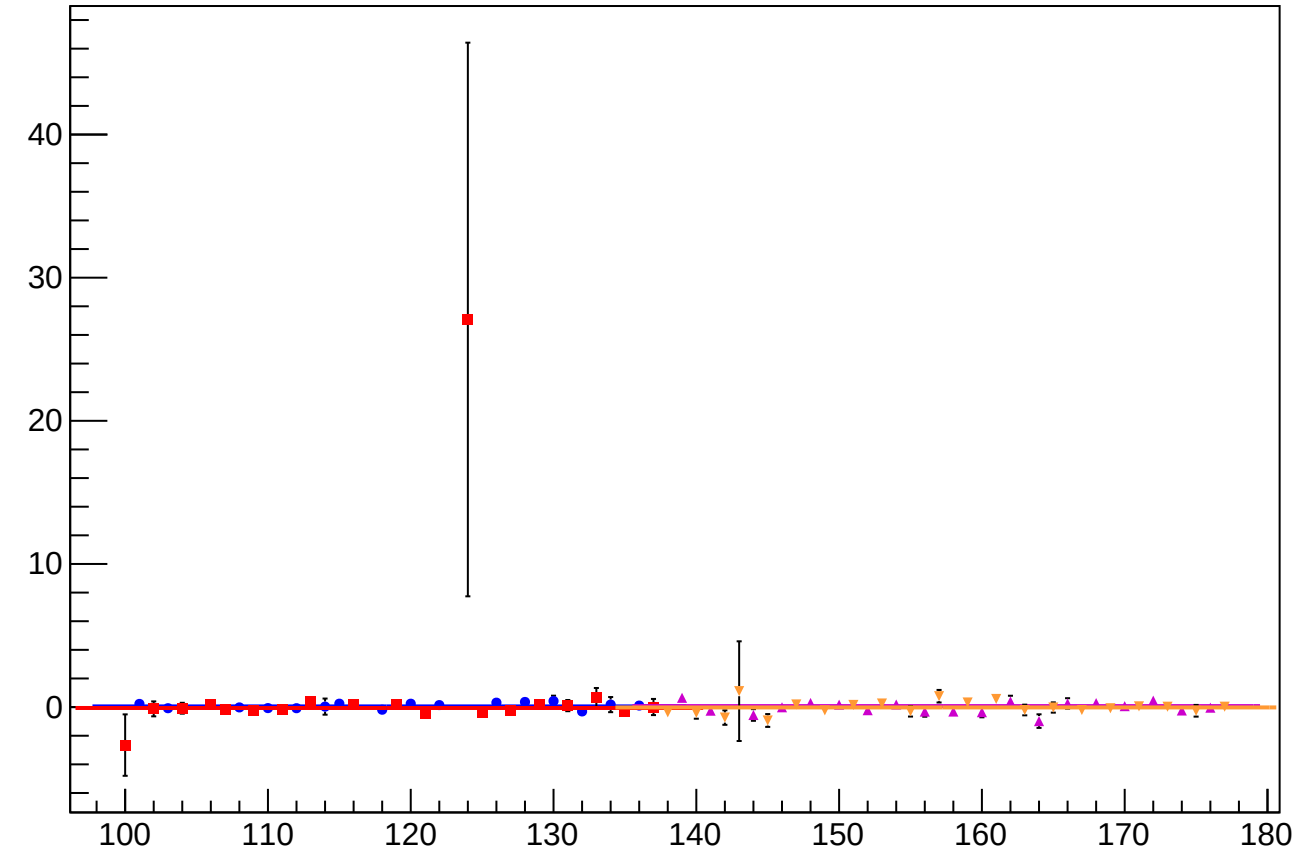
Left: 0.006+/-0.000 χ^2/NDF: 12599688.3/39

Right: 0.011+/-0.000 χ^2/NDF: 4860752.3/34

In: 0.006+/-0.000 χ^2/NDF:11012552.3/34

Out: 0.007+/-0.000 χ^2/NDF:10727426.5/39

All: 0.007+/-0.000 χ^2/NDF: 21820319.3/74



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.023+/-0.064 χ^2/NDF:19.9/20

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.071+/-0.066 χ^2/NDF:27.5/18

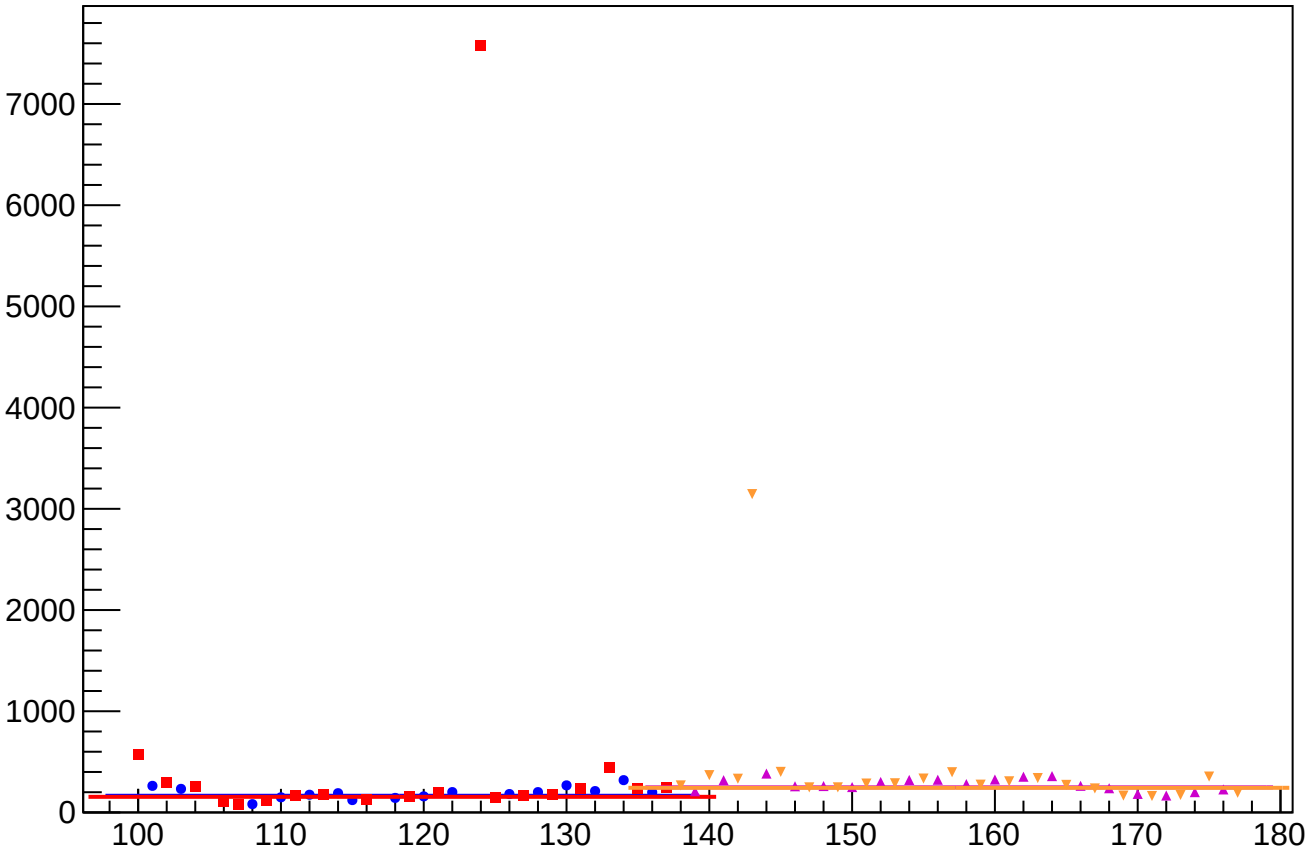
Left: 0.023+/-0.046 χ^2/NDF: 48.4/39

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.059+/-0.047 χ^2/NDF:35.1/34

Out: -0.042+/-0.046 χ^2/NDF:38.5/39

All: 0.007+/-0.033 χ^2/NDF: 76.0/74



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 243.528+/-0.046 χ^2/NDF:3783834.4/20

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 247.971+/-0.047 χ^2/NDF:1634969.9/18

Left: 245.698+/-0.033 χ^2/NDF: 5423449.8/39

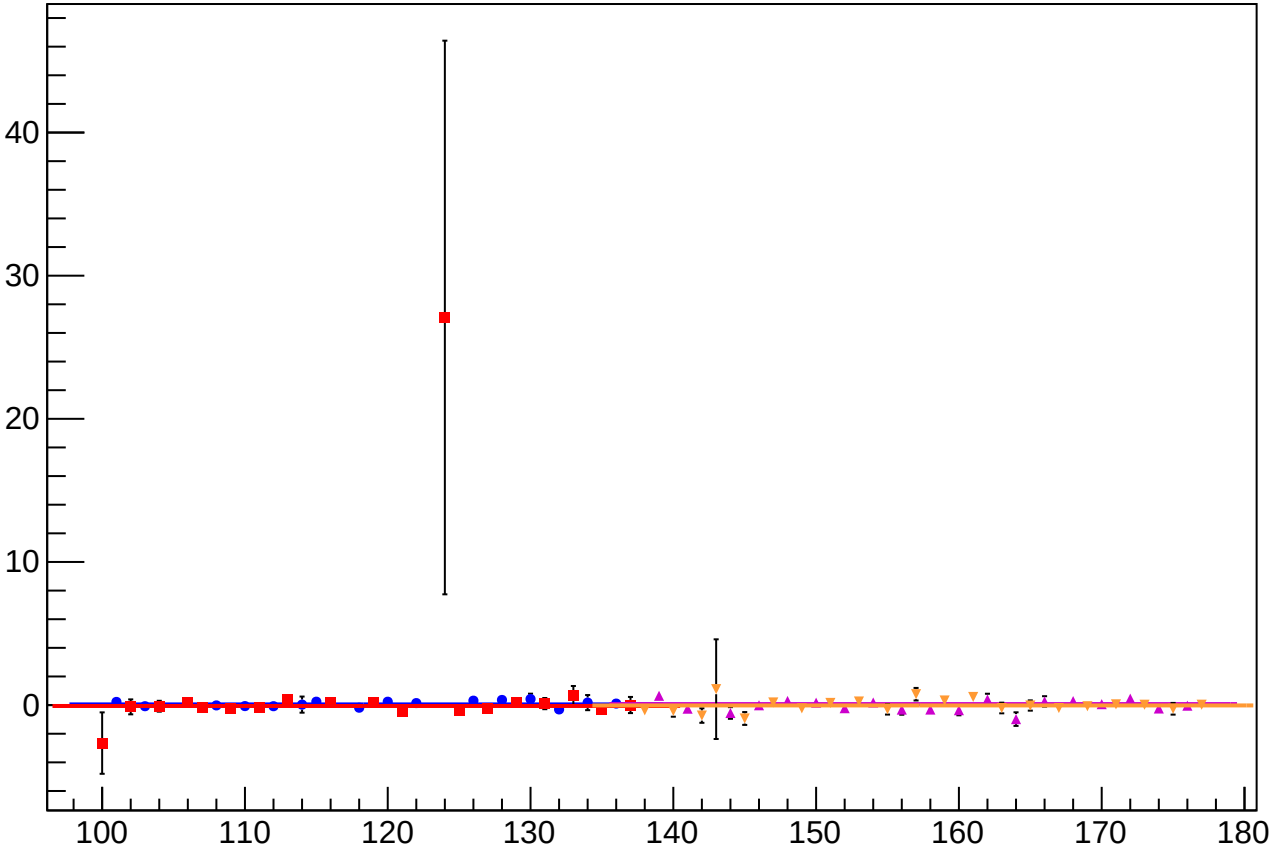
Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 206.712+/-0.033 χ^2/NDF:4687139.0/34

Out: 198.942+/-0.032 χ^2/NDF:7620227.0/39

All: 202.723+/-0.023 χ^2/NDF: 12335688.7/74

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: -0.023+/-0.064 χ^2/NDF:19.9/20

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.071+/-0.066 χ^2/NDF:27.5/18

Left: 0.023+/-0.046 χ^2/NDF: 48.4/39

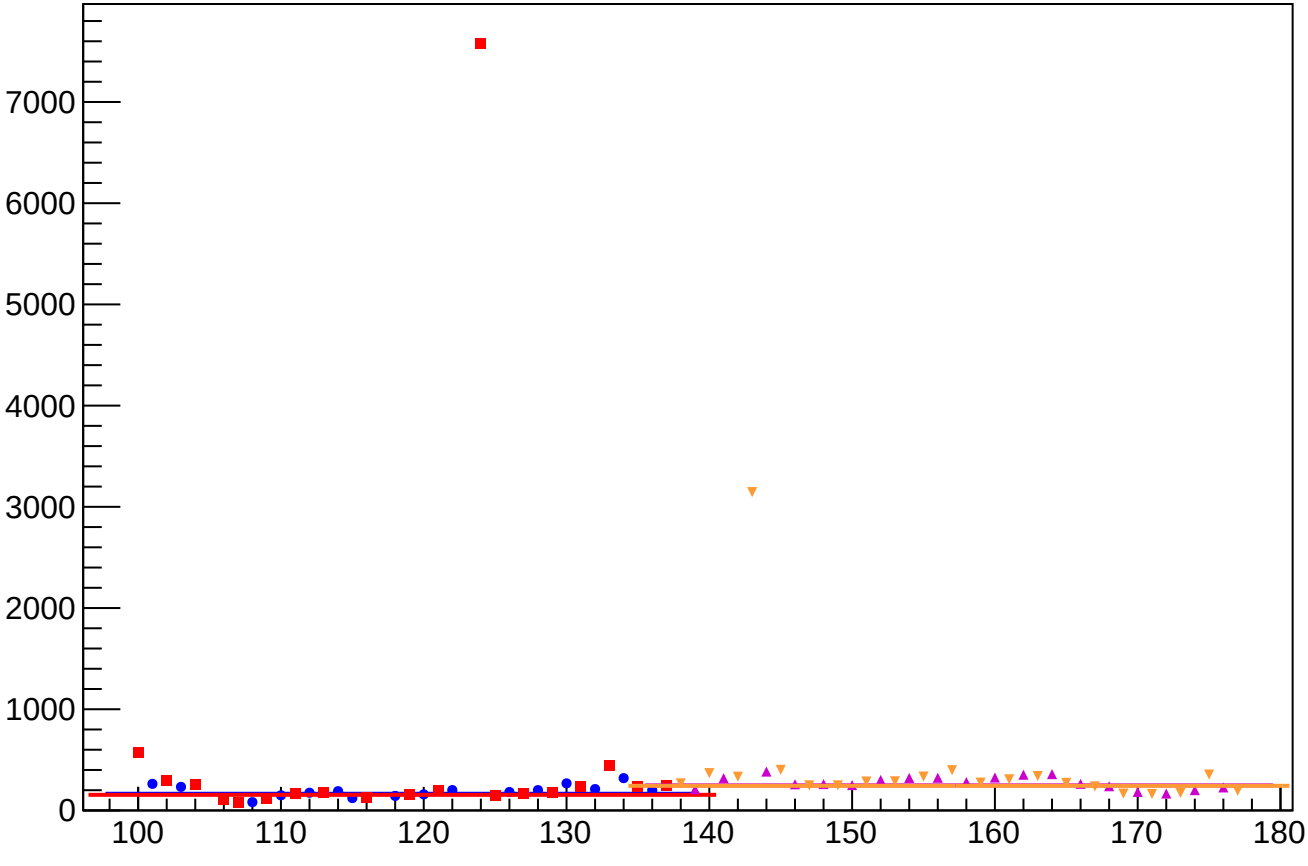
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.059+/-0.047 χ^2/NDF:35.1/34

Out: -0.042+/-0.046 χ^2/NDF:38.5/39

All: 0.007+/-0.033 χ^2/NDF: 76.0/74

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 243.528+/-0.046 χ^2/NDF:3783834.4/20

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 247.971+/-0.047 χ^2/NDF:1634969.9/18

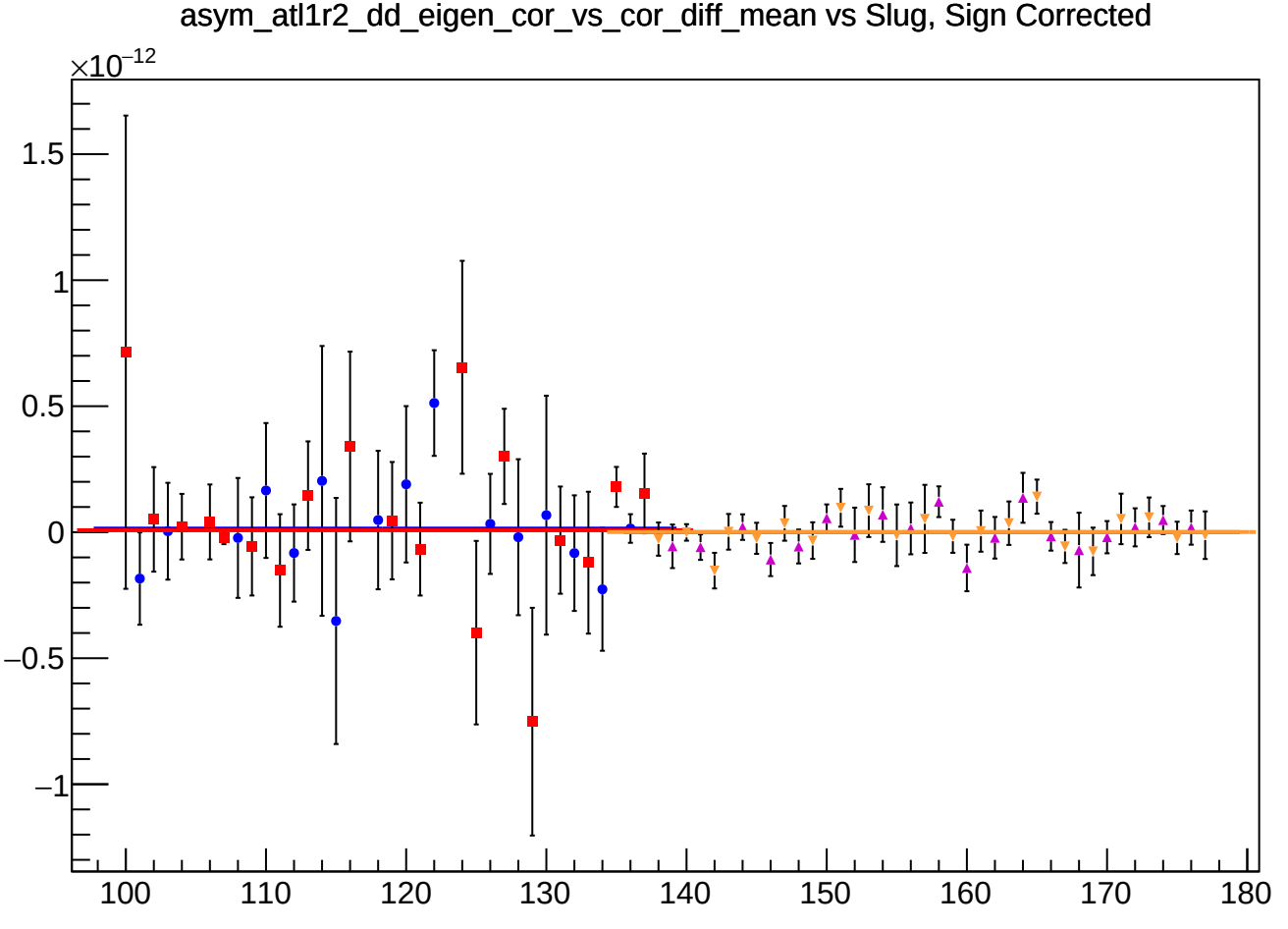
Left: 245.698+/-0.033 χ^2/NDF: 5423449.8/39

Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 206.712+/-0.033 χ^2/NDF:4687139.0/34

Out: 198.942+/-0.032 χ^2/NDF:7620227.0/39

All: 202.723+/-0.023 χ^2/NDF: 12335688.7/74



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:16.4/18

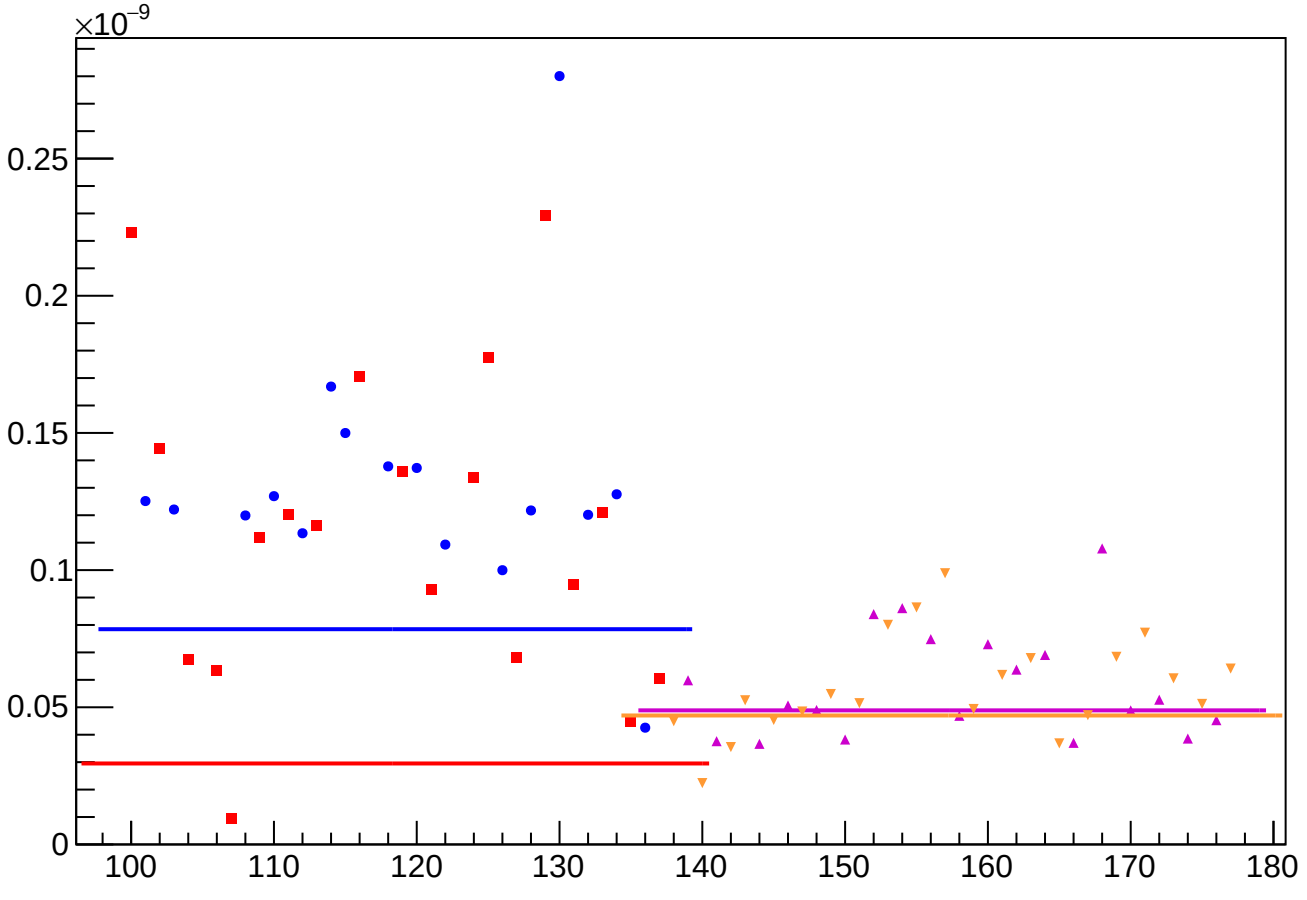
Left: 0.000+/-0.000 χ^2/NDF: 31.3/39

Right: 0.000+/-0.000 χ^2/NDF: 28.0/34

In: 0.000+/-0.000 χ^2/NDF:26.2/34

Out: 0.000+/-0.000 χ^2/NDF:33.3/39

All: 0.000+/-0.000 χ^2/NDF: 59.5/74



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2578436.6/20

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1667967.6/18

Left: 0.000+/-0.000 χ^2/NDF: 4260724.2/39

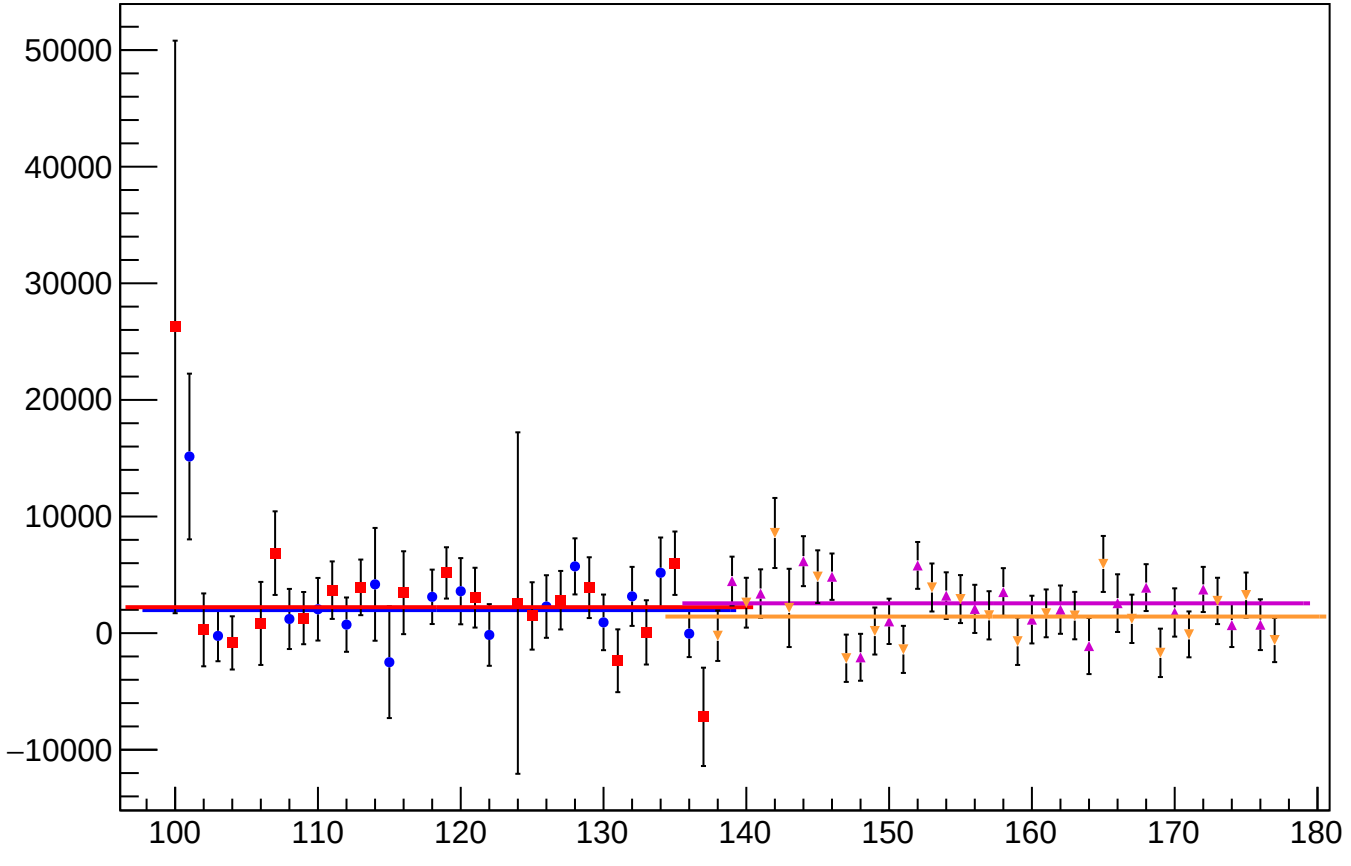
Right: 0.000+/-0.000 χ^2/NDF: 9651358.8/34

In: 0.000+/-0.000 χ^2/NDF:4623236.2/34

Out: 0.000+/-0.000 χ^2/NDF:8872645.8/39

All: 0.000+/-0.000 χ^2/NDF: 14113911.7/74

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1421.502+/-461.842 χ^2/NDF:26.3/20

Right Out: 2226.171+/-656.286 χ^2/NDF: 19.0/18

Left In: 2557.309+/-473.400 χ^2/NDF:19.6/18

Left: 1975.372+/-330.582 χ^2/NDF: 48.9/39

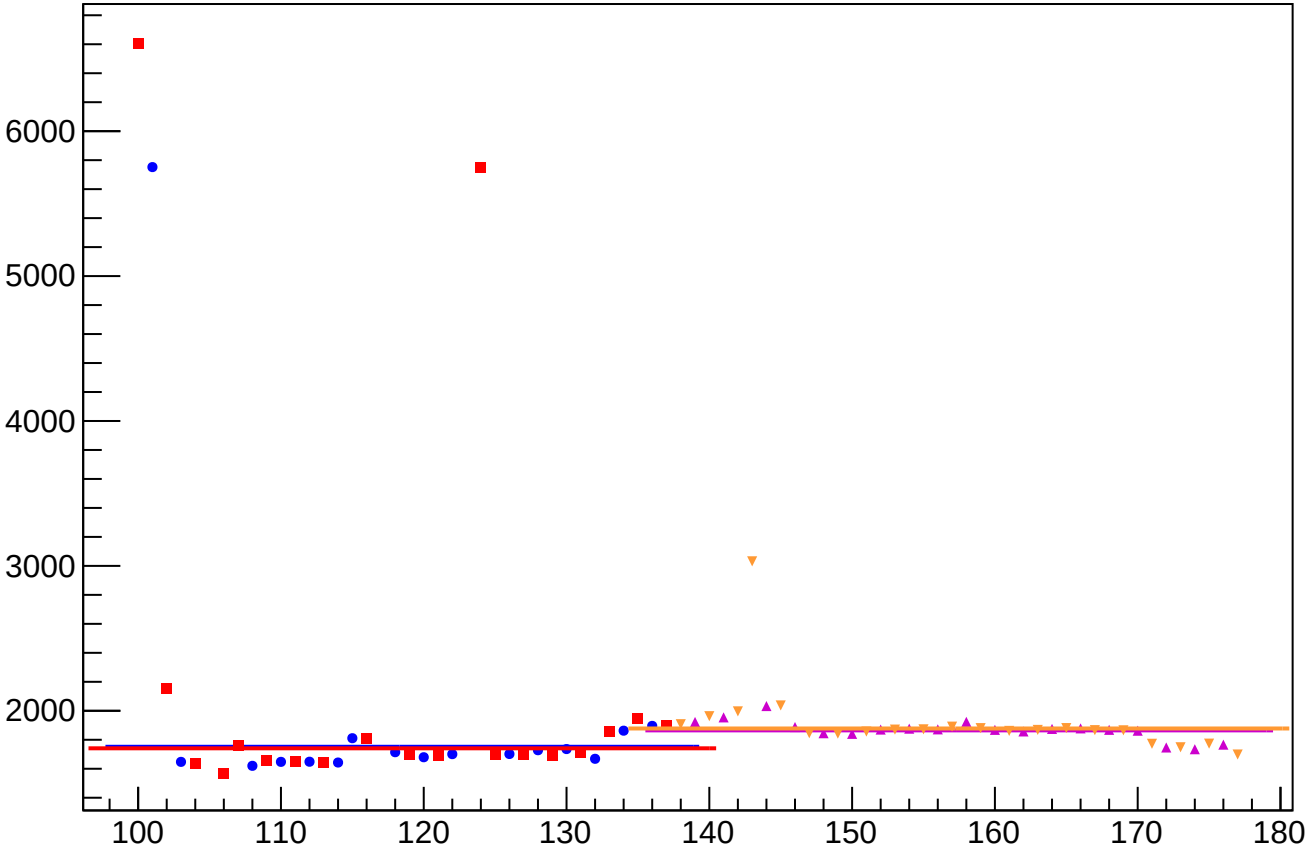
Right: 2103.390+/-468.051 χ^2/NDF: 31.2/34

In: 2362.951+/-386.186 χ^2/NDF:32.2/34

Out: 1688.011+/-377.695 χ^2/NDF:46.3/39

All: 2017.979+/-270.023 χ^2/NDF: 80.1/74

reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 1877.900+/-0.327 χ^2/NDF:292861.5/20

Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

Left In: 1864.880+/-0.335 χ^2/NDF:41255.6/18

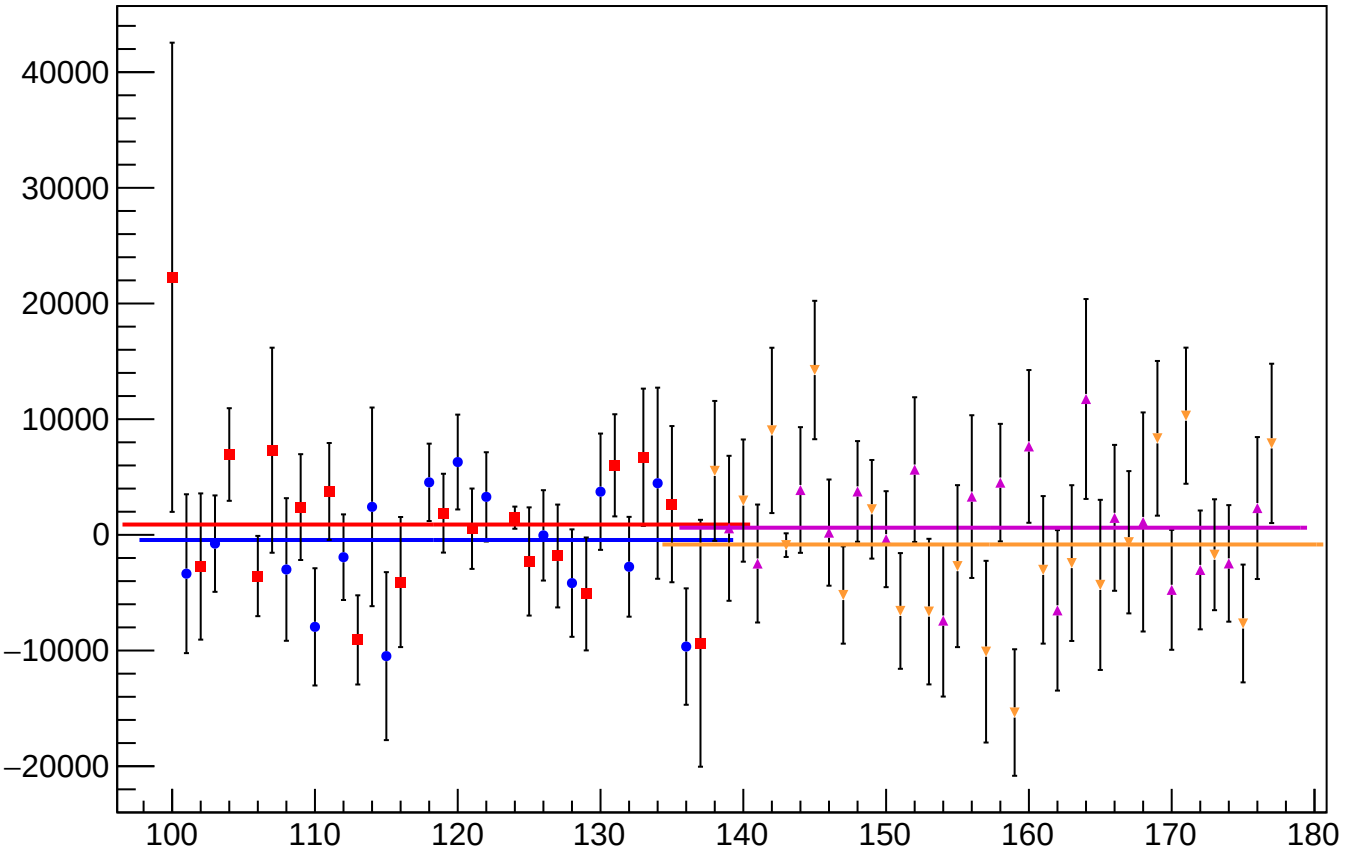
Left: 1871.551+/-0.234 χ^2/NDF: 334892.1/39

Right: 1746.199+/-0.330 χ^2/NDF: 975562.4/34

In: 1826.988+/-0.273 χ^2/NDF:750211.6/34

Out: 1832.127+/-0.266 χ^2/NDF:656250.8/39

All: 1829.621+/-0.191 χ^2/NDF: 1406643.8/74



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -831.447+/-800.609 χ^2/NDF:31.5/20

Right Out: 892.237+/-725.737 χ^2/NDF: 20.1/18

Left In: 617.539+/-1292.788 χ^2/NDF:10.1/18

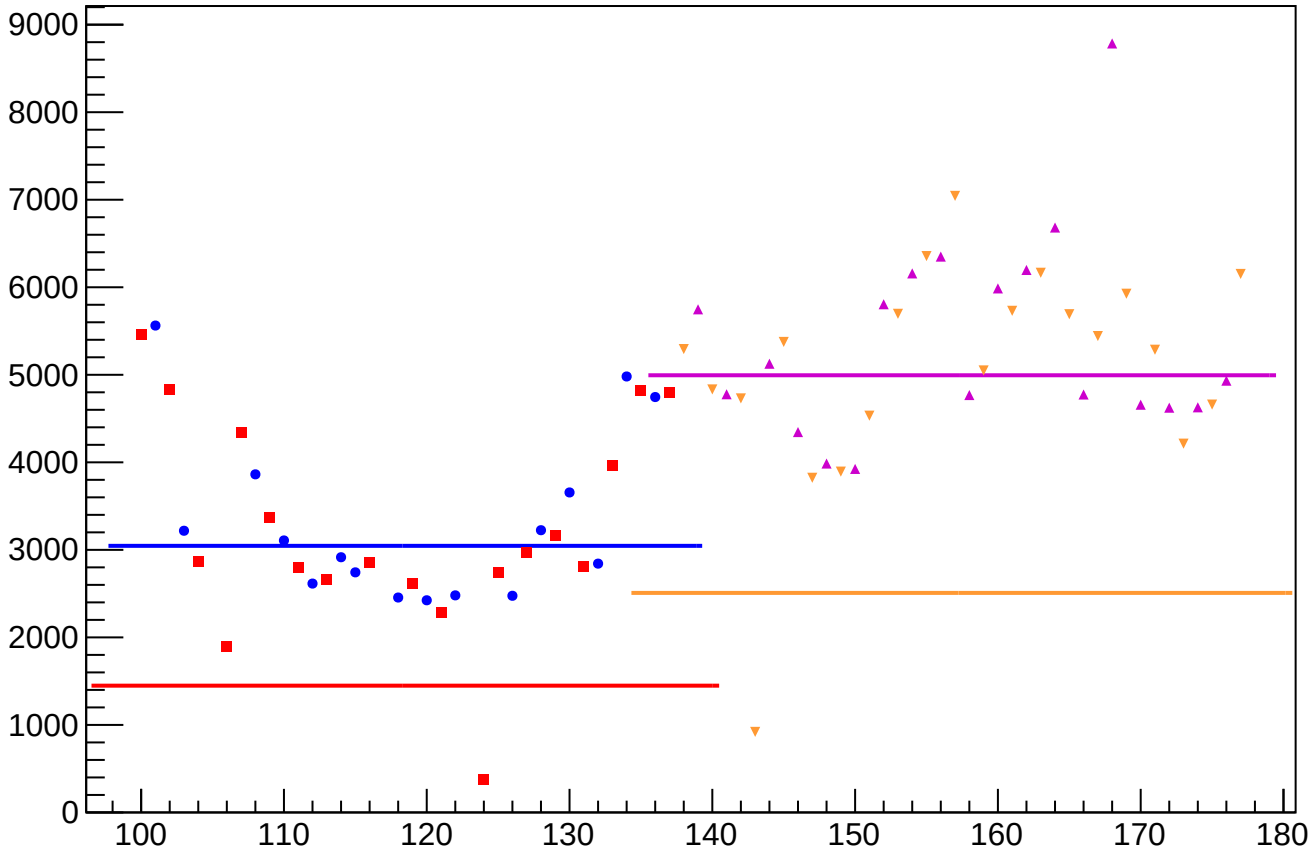
Left: -429.781+/-680.656 χ^2/NDF: 42.5/39

Right: 522.917+/-617.375 χ^2/NDF: 36.9/34

In: 35.820+/-869.294 χ^2/NDF:26.4/34

Out: 114.744+/-537.700 χ^2/NDF:54.1/39

All: 92.904+/-457.290 χ^2/NDF: 80.5/74



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 2508.264+/-0.566 χ^2/NDF:13308787.9/20

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

Left In: 4994.662+/-0.914 χ^2/NDF:1022872.2/18

Left: 3197.507+/-0.481 χ^2/NDF: 19678924.7/39

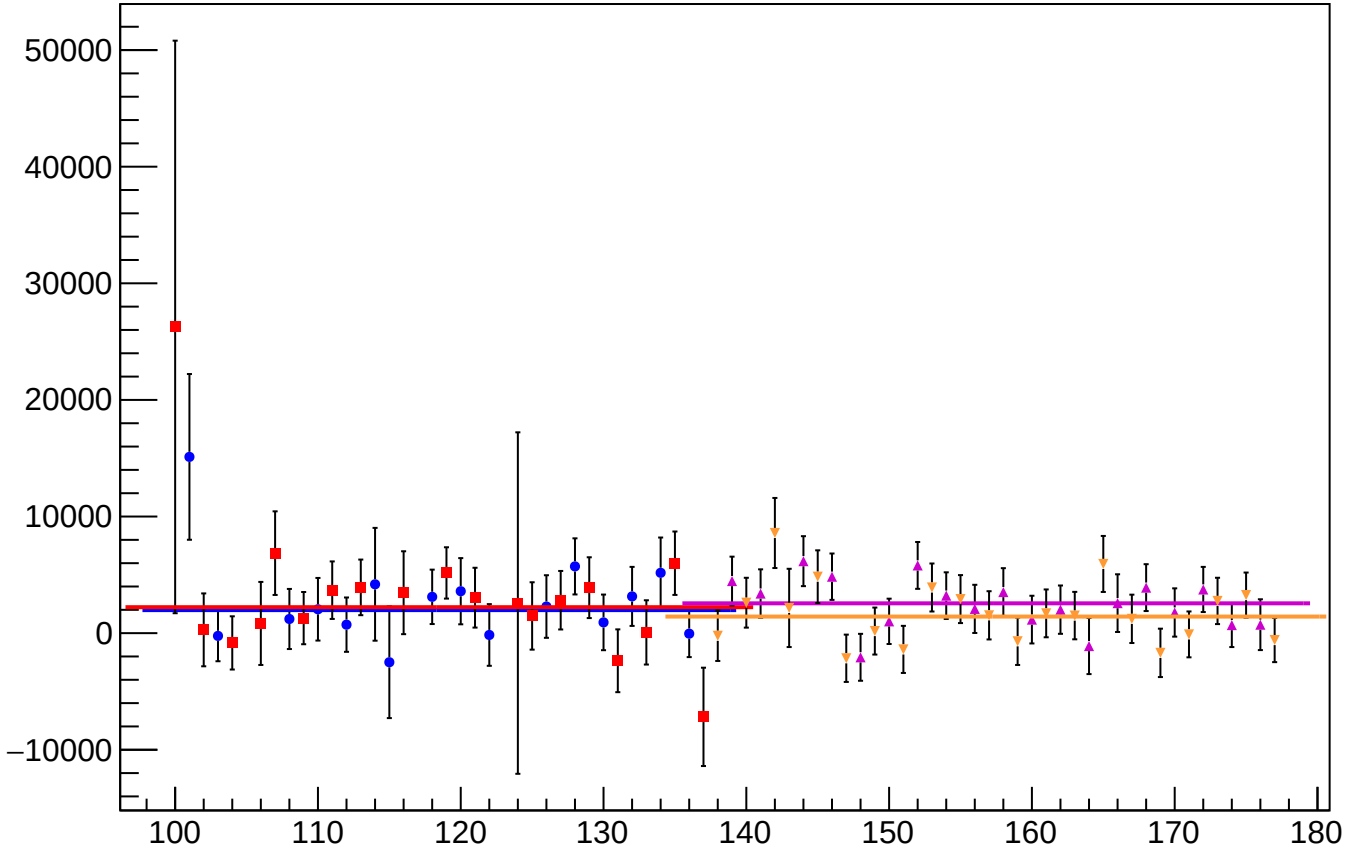
Right: 1889.931+/-0.437 χ^2/NDF: 10371803.4/34

In: 3927.034+/-0.615 χ^2/NDF:4419977.4/34

Out: 1926.533+/-0.380 χ^2/NDF:22019306.1/39

All: 2480.123+/-0.323 χ^2/NDF: 34100145.0/7

cor_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1421.484+/-461.842 χ^2/NDF:26.3/20

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 2557.364+/-473.400 χ^2/NDF:19.6/18

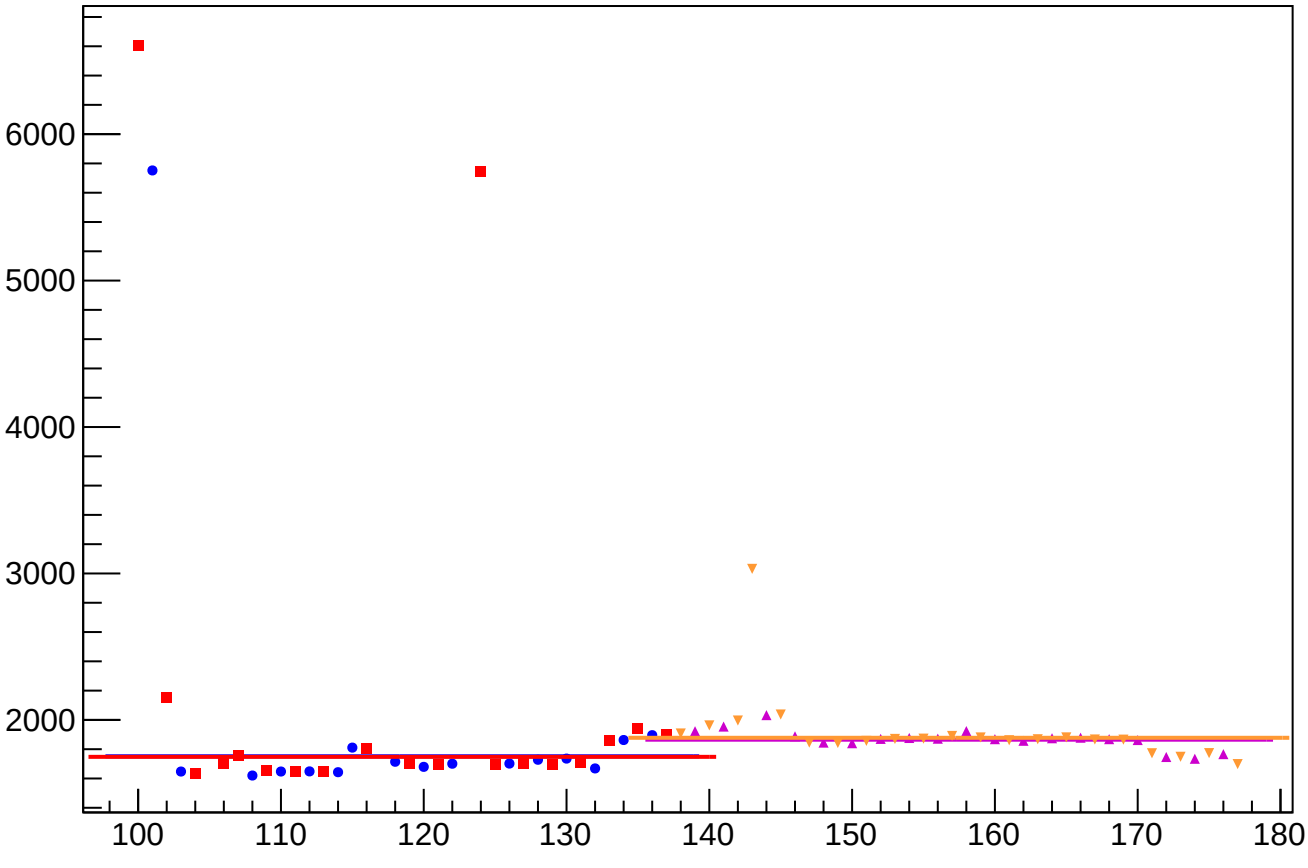
Left: 1975.389+/-330.582 χ^2/NDF: 48.9/39

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2362.870+/-386.186 χ^2/NDF:32.2/34

Out: 1688.031+/-377.695 χ^2/NDF:46.3/39

All: 2017.950+/-270.023 χ^2/NDF: 80.1/74



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1877.900+/-0.327 χ^2/NDF:292861.5/20

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1864.881+/-0.335 χ^2/NDF:41255.6/18

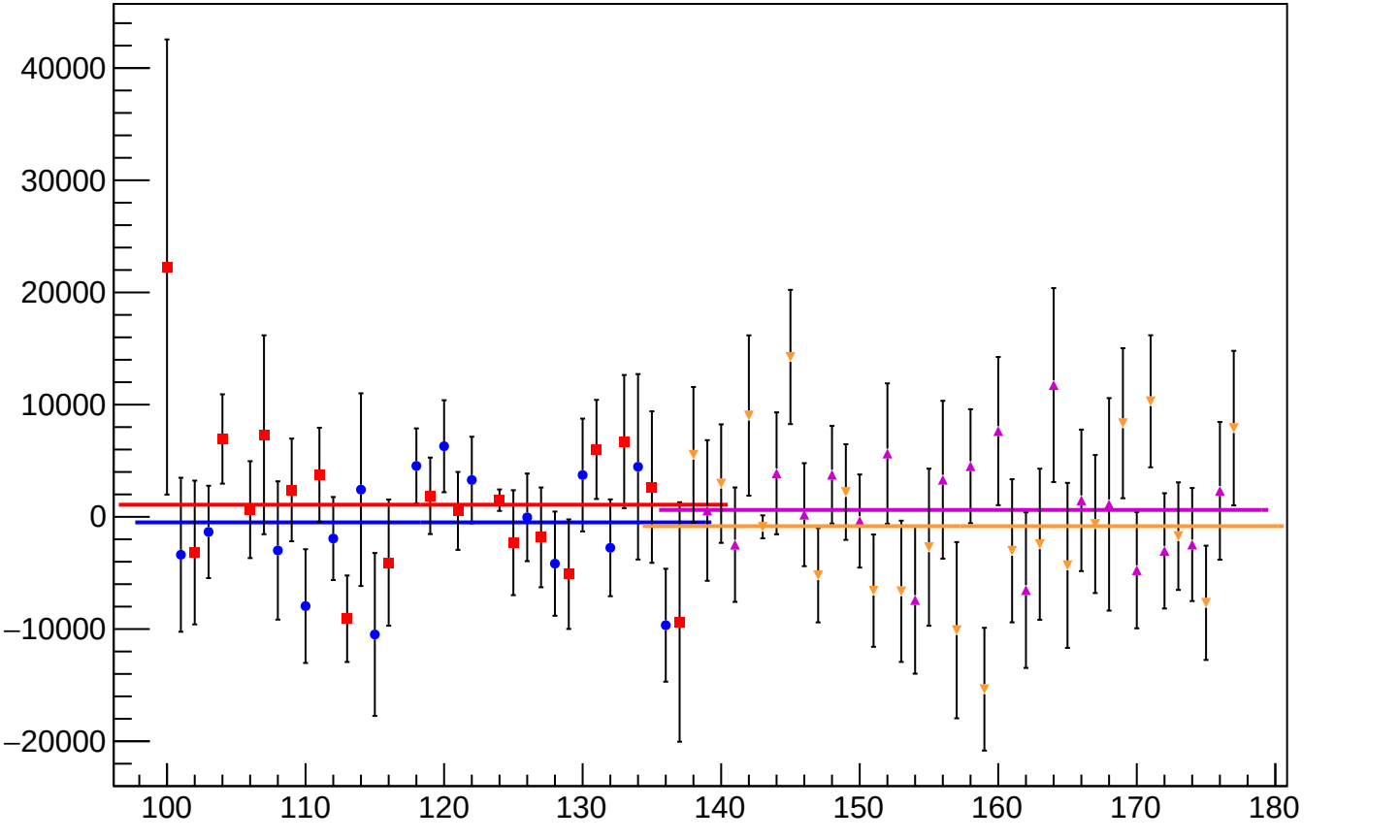
Left: 1871.551+/-0.234 χ^2/NDF: 334892.1/39

Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1826.988+/-0.273 χ^2/NDF:750212.0/34

Out: 1834.589+/-0.267 χ^2/NDF:643618.8/39

All: 1830.878+/-0.191 χ^2/NDF: 1394227.3/74



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -831.297+/-800.589 χ^2/NDF:31.5/20

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 617.641+/-1292.788 χ^2/NDF:10.1/18

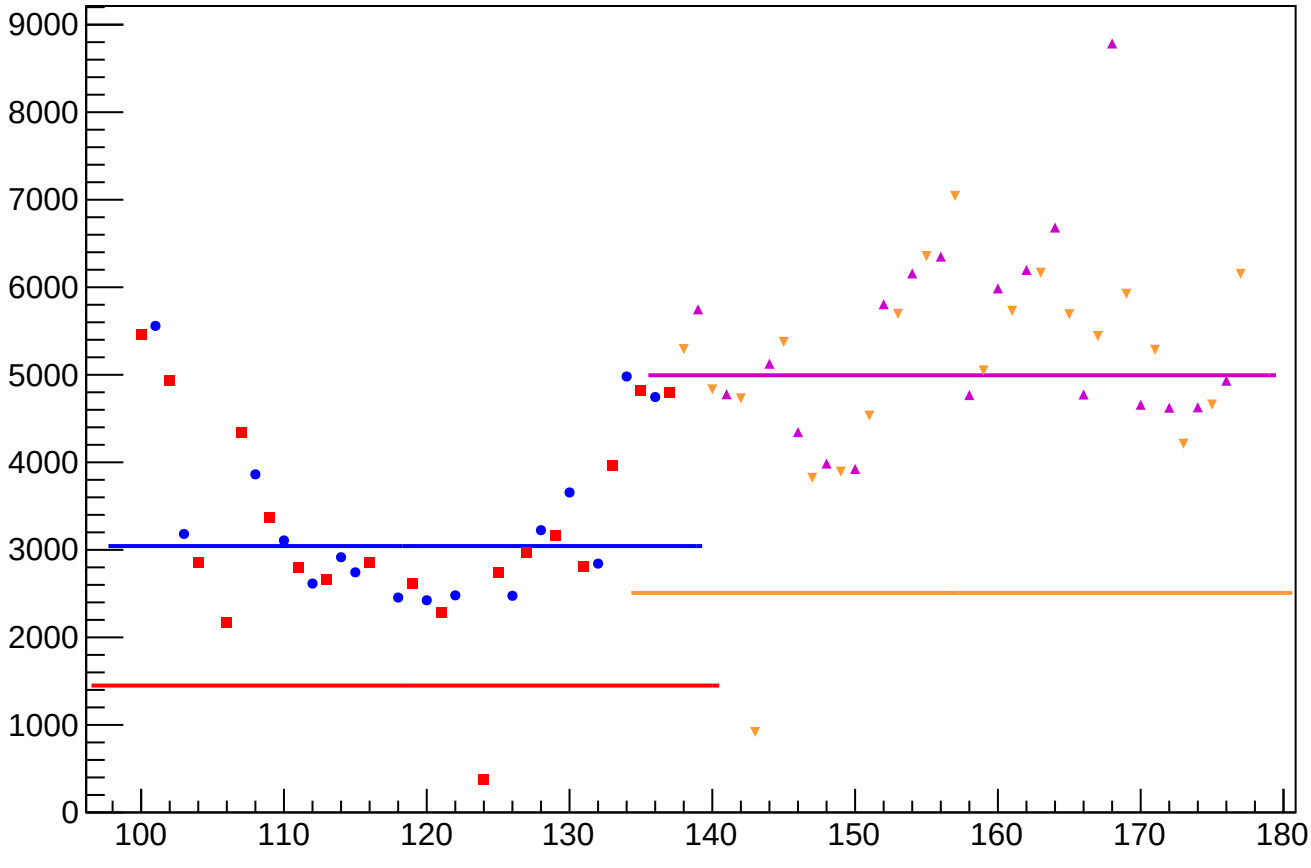
Left: -429.658+/-680.644 χ^2/NDF: 42.5/39

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: 8.651+/-868.803 χ^2/NDF:26.5/34

Out: 210.924+/-540.008 χ^2/NDF:53.0/39

All: 154.556+/-458.635 χ^2/NDF: 79.6/74



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2508.161+/-0.566 χ^2/NDF:13309413.3/20

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 4994.662+/-0.914 χ^2/NDF:1022870.6/18

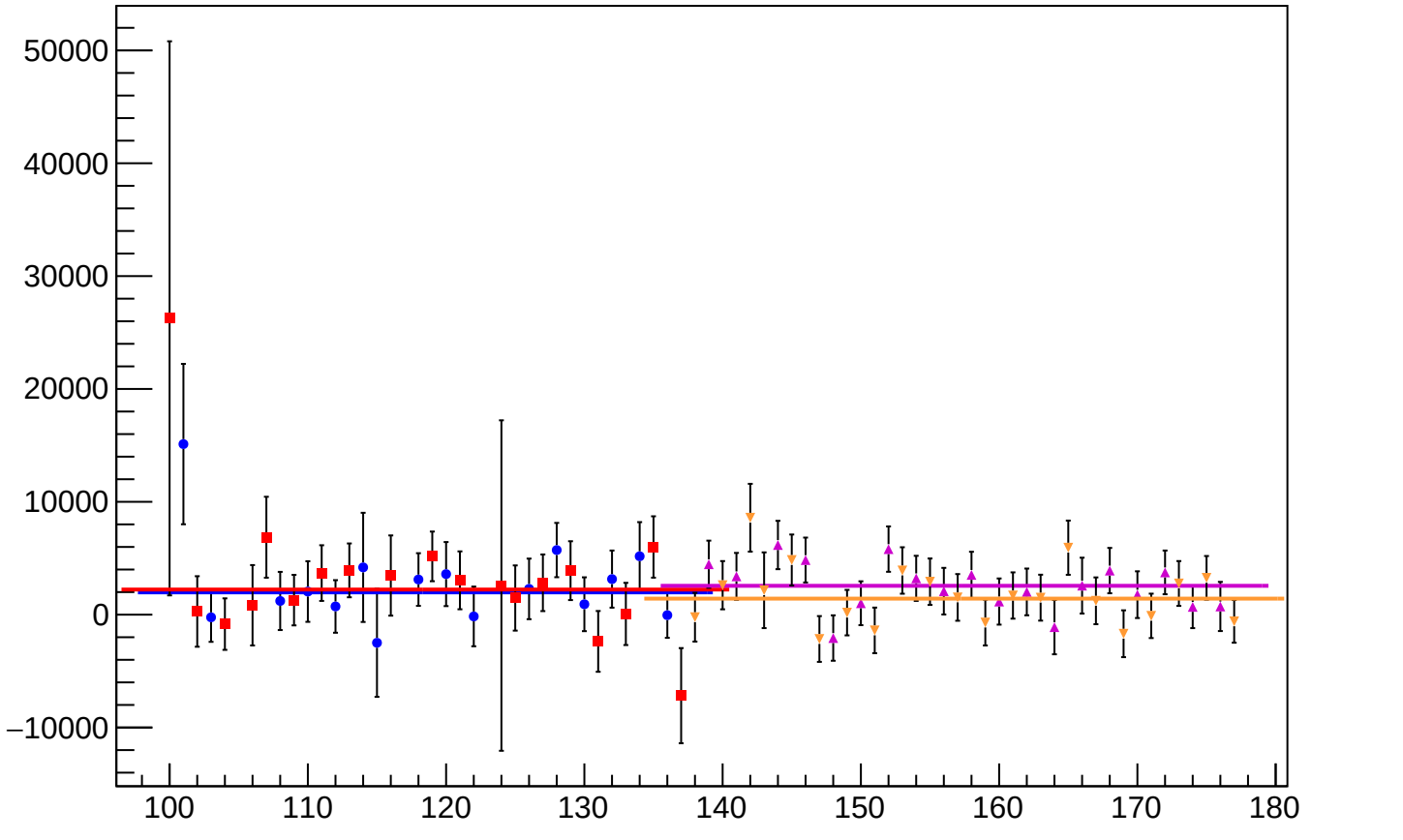
Left: 3197.407+/-0.481 χ^2/NDF: 19680064.2/39

Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3924.588+/-0.614 χ^2/NDF:4427343.4/34

Out: 1931.166+/-0.382 χ^2/NDF:22041176.6/39

All: 2486.675+/-0.324 χ^2/NDF: 34063371.2/7



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1421.484+/-461.842 χ^2/NDF:26.3/20

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 2557.364+/-473.400 χ^2/NDF:19.6/18

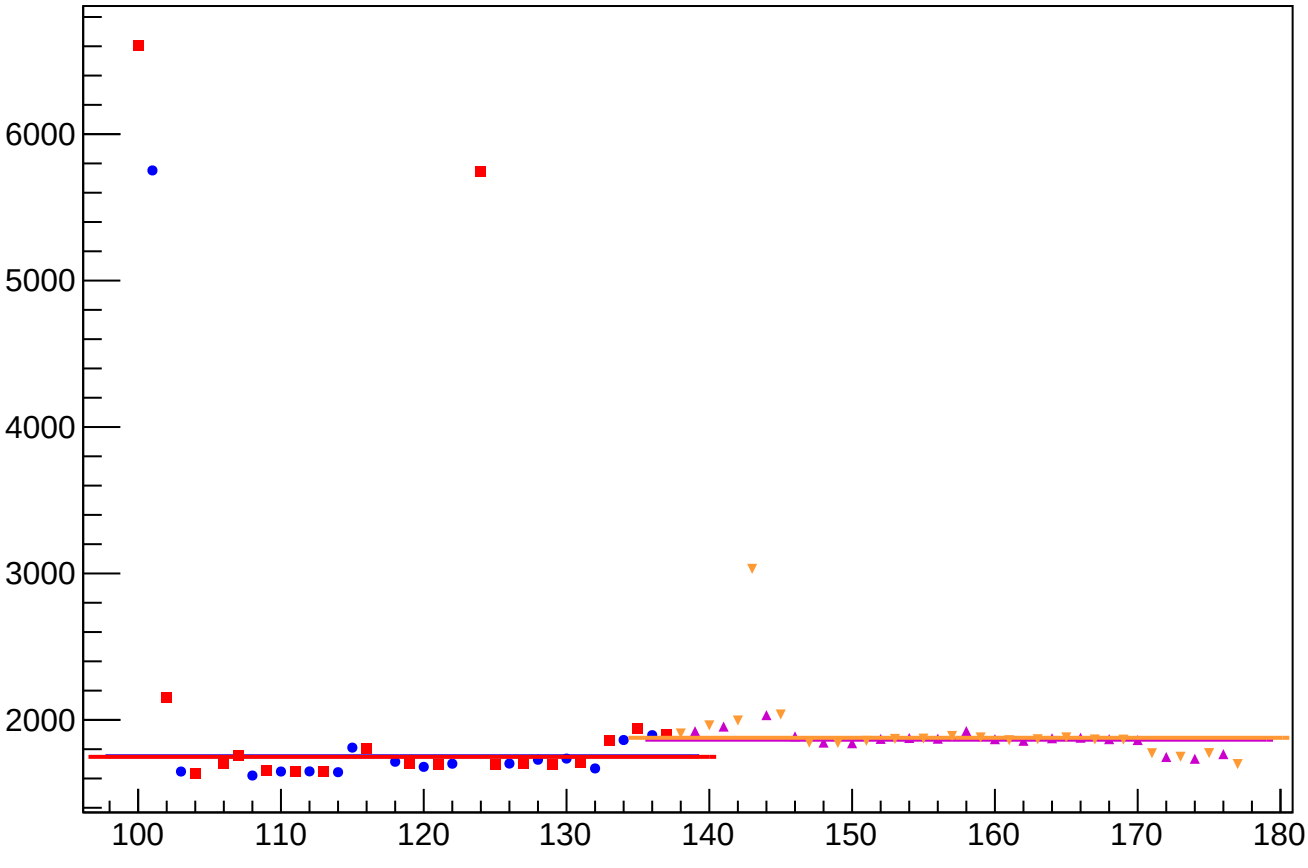
Left: 1975.389+/-330.582 χ^2/NDF: 48.9/39

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2362.870+/-386.186 χ^2/NDF:32.2/34

Out: 1688.031+/-377.695 χ^2/NDF:46.3/39

All: 2017.950+/-270.023 χ^2/NDF: 80.1/74



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1877.900+/-0.327 χ^2/NDF:292861.5/20

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1864.881+/-0.335 χ^2/NDF:41255.6/18

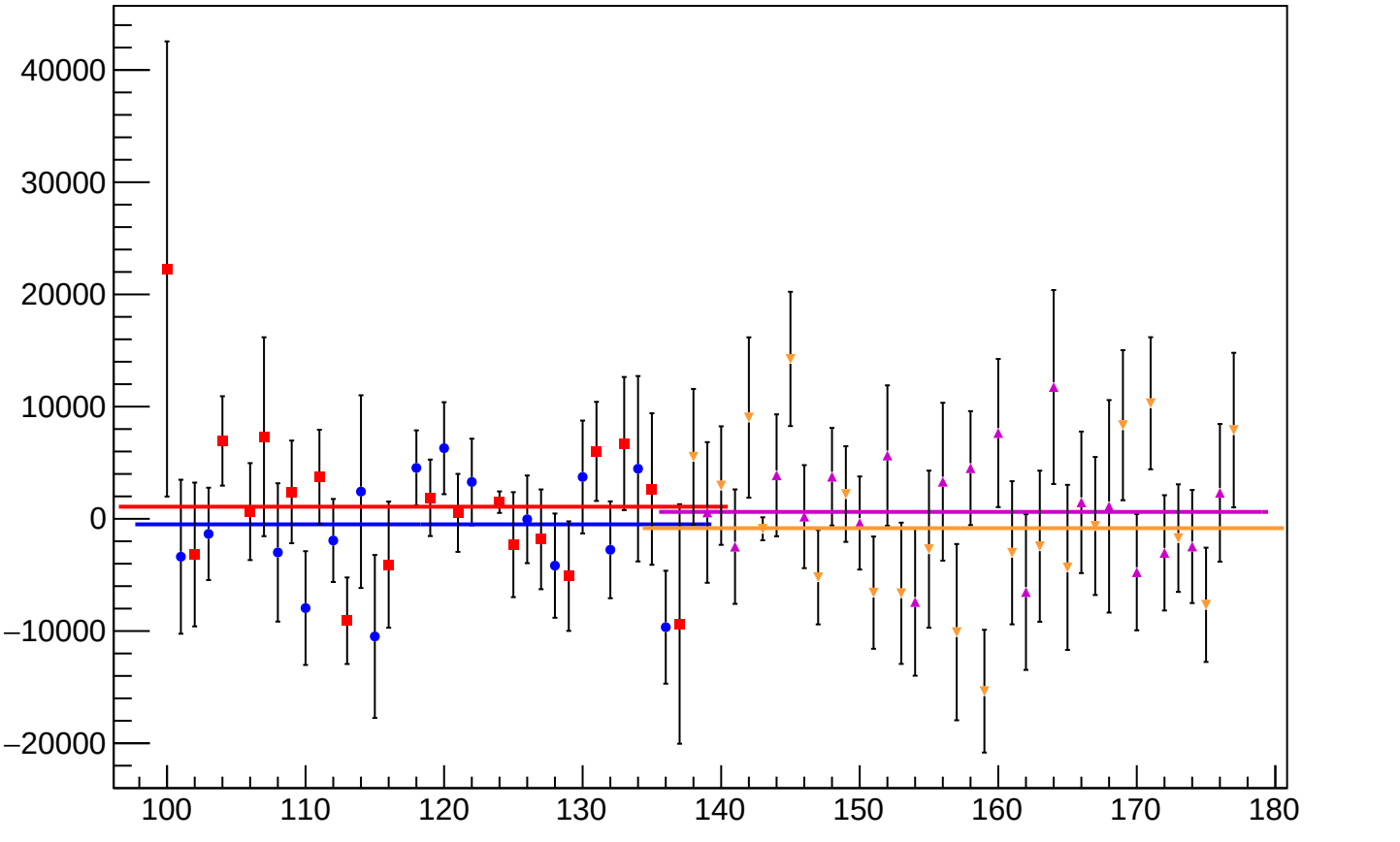
Left: 1871.551+/-0.234 χ^2/NDF: 334892.1/39

Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1826.988+/-0.273 χ^2/NDF:750212.0/34

Out: 1834.589+/-0.267 χ^2/NDF:643618.8/39

All: 1830.878+/-0.191 χ^2/NDF: 1394227.3/74



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -831.297+/-800.589 χ^2/NDF:31.5/20

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 617.641+/-1292.788 χ^2/NDF:10.1/18

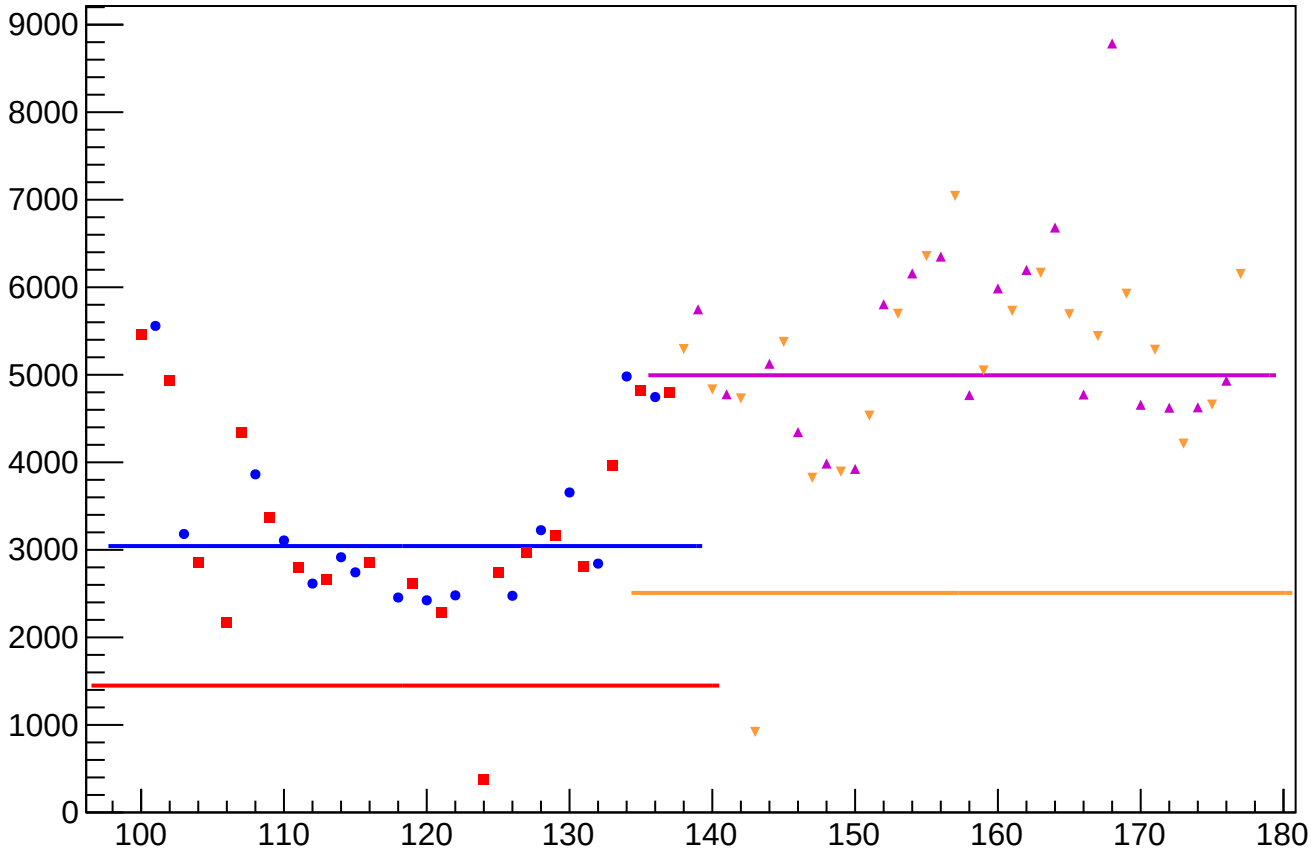
Left: -429.658+/-680.644 χ^2/NDF: 42.5/39

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: 8.651+/-868.803 χ^2/NDF:26.5/34

Out: 210.924+/-540.008 χ^2/NDF:53.0/39

All: 154.556+/-458.635 χ^2/NDF: 79.6/74



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2508.161+/-0.566 χ^2/NDF:13309413.3/20

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 4994.662+/-0.914 χ^2/NDF:1022870.6/18

Left: 3197.407+/-0.481 χ^2/NDF: 19680064.2/39

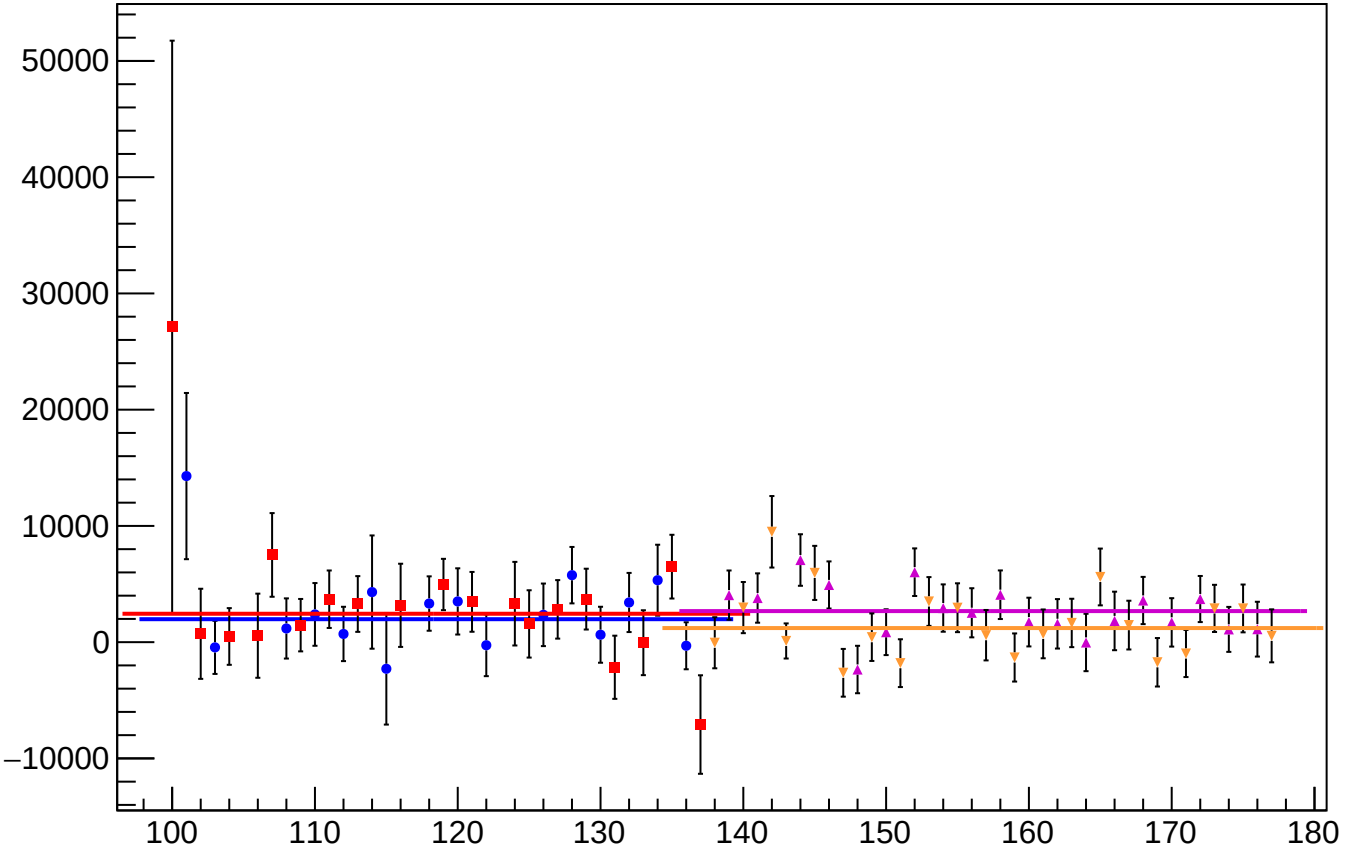
Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3924.588+/-0.614 χ^2/NDF:4427343.4/34

Out: 1931.166+/-0.382 χ^2/NDF:22041176.6/39

All: 2486.675+/-0.324 χ^2/NDF: 34063371.2/7

dit_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1213.032+/-458.666 χ^2/NDF:30.2/20

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 2672.714+/-484.108 χ^2/NDF:19.5/18

Left: 1903.511+/-332.957 χ^2/NDF: 54.4/39

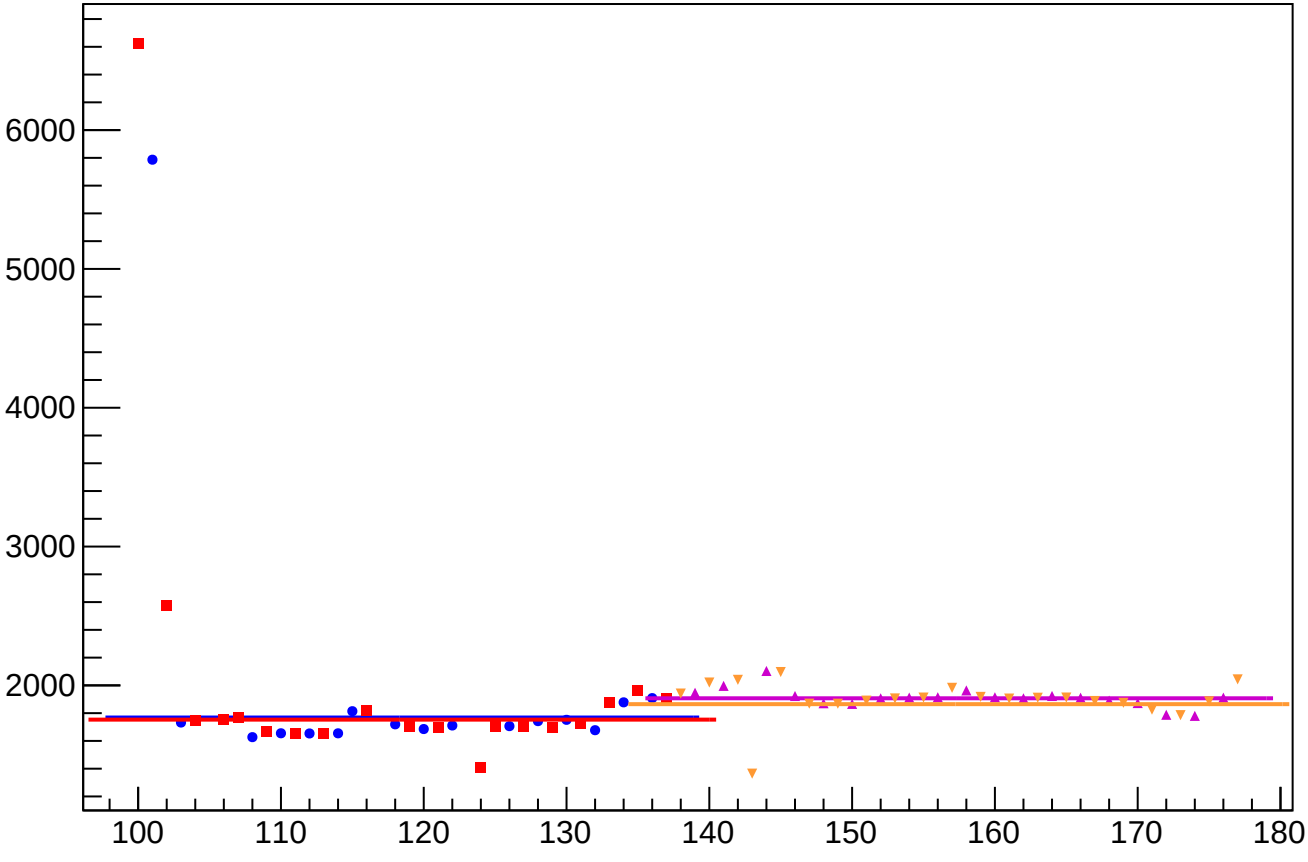
Right: 2215.770+/-470.744 χ^2/NDF: 30.1/34

In: 2435.578+/-393.211 χ^2/NDF:32.6/34

Out: 1615.891+/-376.213 χ^2/NDF:50.0/39

All: 2007.635+/-271.834 χ^2/NDF: 84.9/74

dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1864.807+/-0.324 χ^2/NDF:286795.6/20

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

Left In: 1907.056+/-0.342 χ^2/NDF:39644.7/18

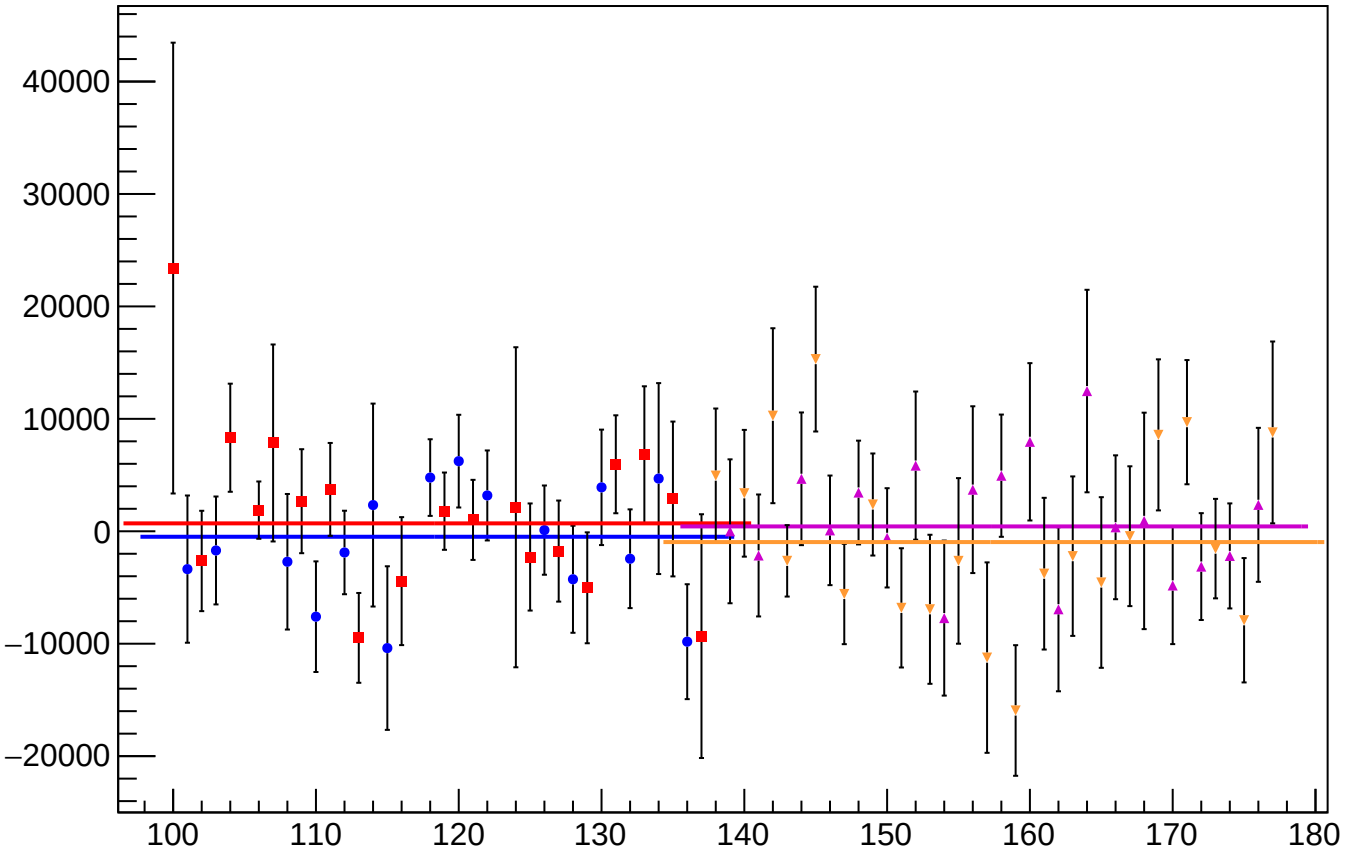
Left: 1884.792+/-0.235 χ^2/NDF: 334467.7/39

Right: 1760.725+/-0.332 χ^2/NDF: 886747.1/34

In: 1859.903+/-0.278 χ^2/NDF:762775.0/34

Out: 1828.216+/-0.266 χ^2/NDF:544419.9/39

All: 1843.346+/-0.192 χ^2/NDF: 1313981.3/74



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: -960.446+/-1233.251 χ^2/NDF:31.4/20

Right Out: 703.324+/-1069.467 χ^2/NDF: 18.8/18

Left In: 431.812+/-1338.090 χ^2/NDF:10.1/18

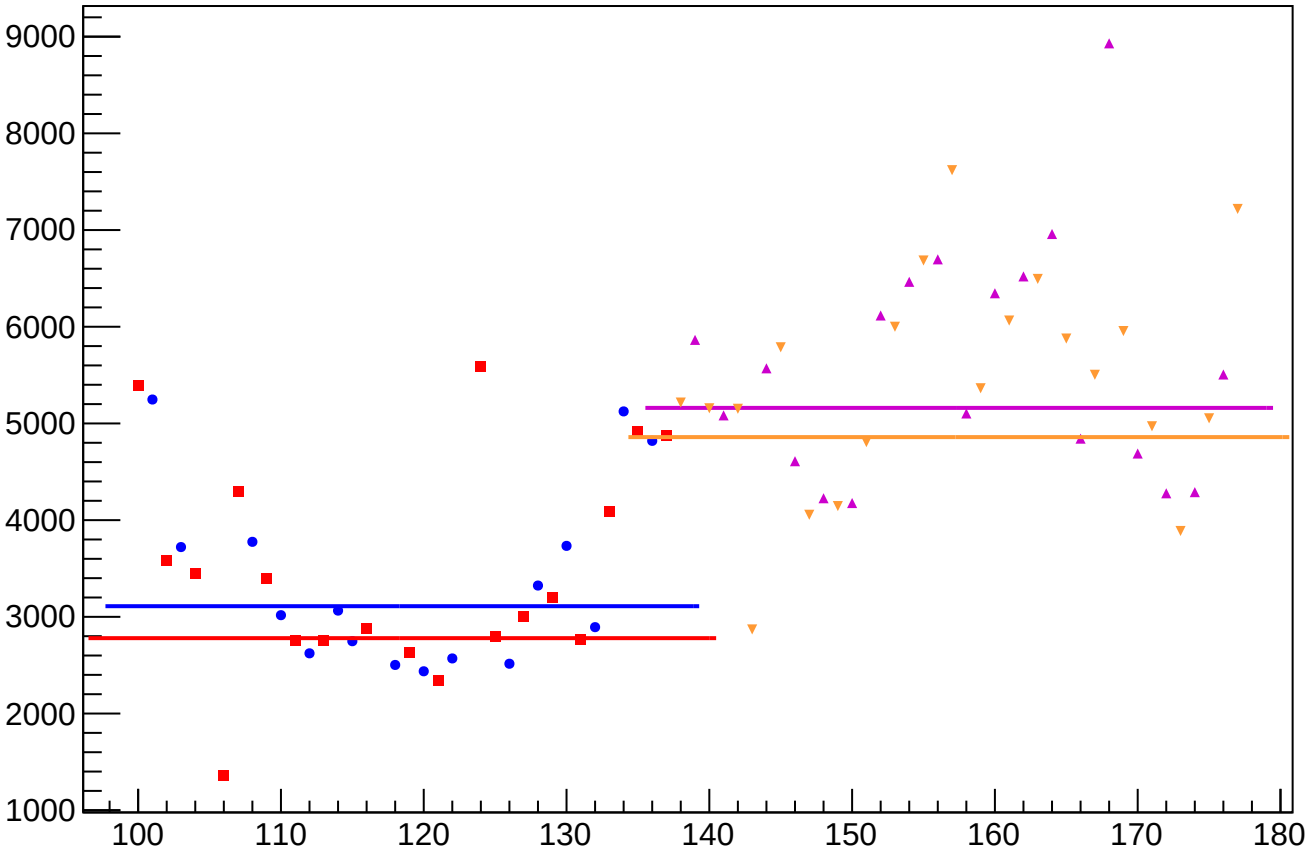
Left: -320.988+/-906.842 χ^2/NDF: 42.1/39

Right: 175.178+/-797.963 χ^2/NDF: 35.1/34

In: -78.615+/-892.756 χ^2/NDF:26.1/34

Out: -10.819+/-807.974 χ^2/NDF:51.3/39

All: -41.346+/-599.061 χ^2/NDF: 77.4/74



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4858.684+/-0.872 χ^2/NDF:1916769.8/20

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

Left In: 5160.861+/-0.946 χ^2/NDF:1119219.0/18

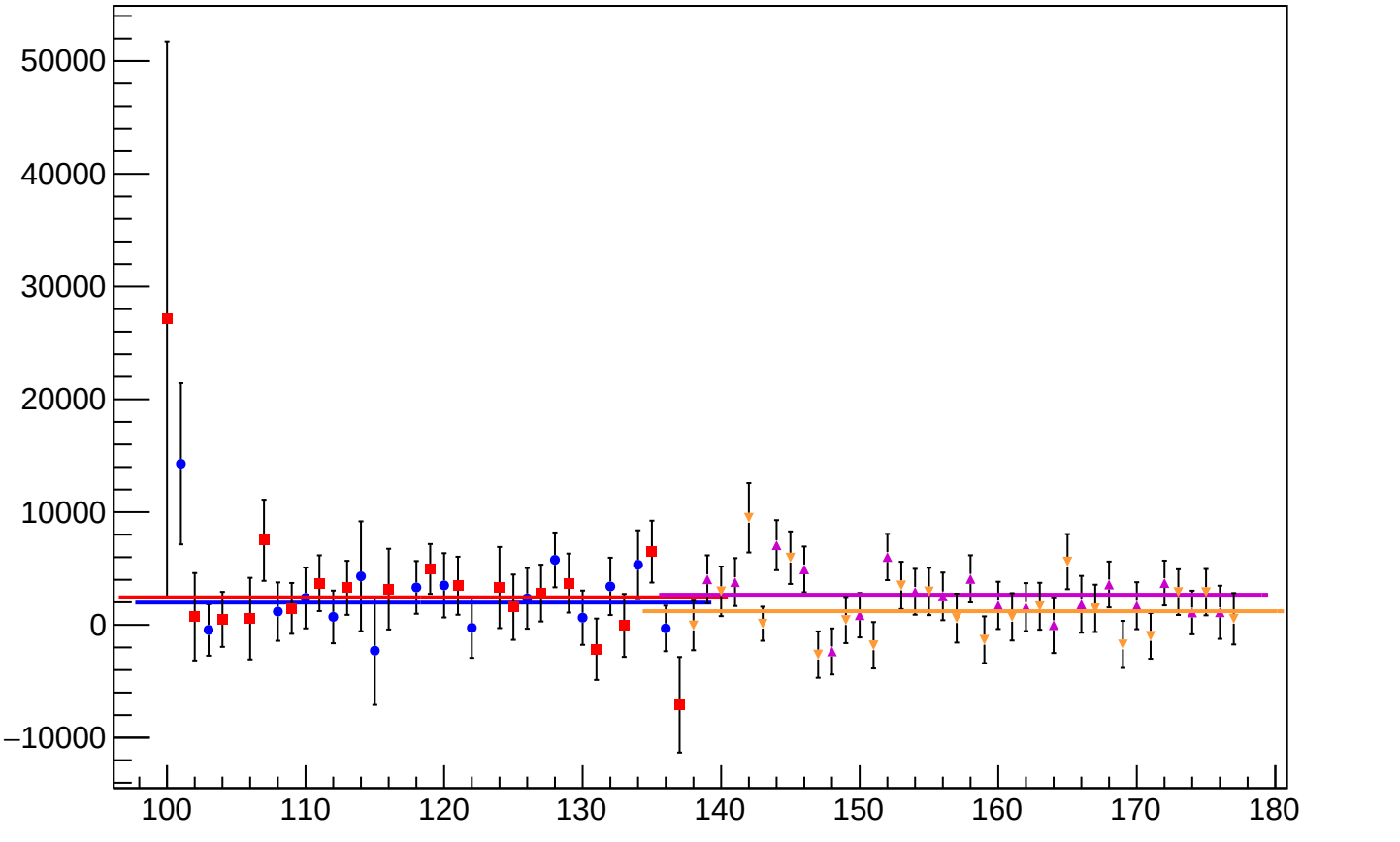
Left: 4997.472+/-0.641 χ^2/NDF: 3091138.4/39

Right: 2926.138+/-0.564 χ^2/NDF: 2316074.2/34

In: 4022.989+/-0.631 χ^2/NDF:4608998.1/34

Out: 3672.026+/-0.571 χ^2/NDF:6509190.5/39

All: 3830.055+/-0.424 χ^2/NDF: 11288104.9/7



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1213.030+/-458.667 χ^2/NDF:30.2/20

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 2672.714+/-484.108 χ^2/NDF:19.5/18

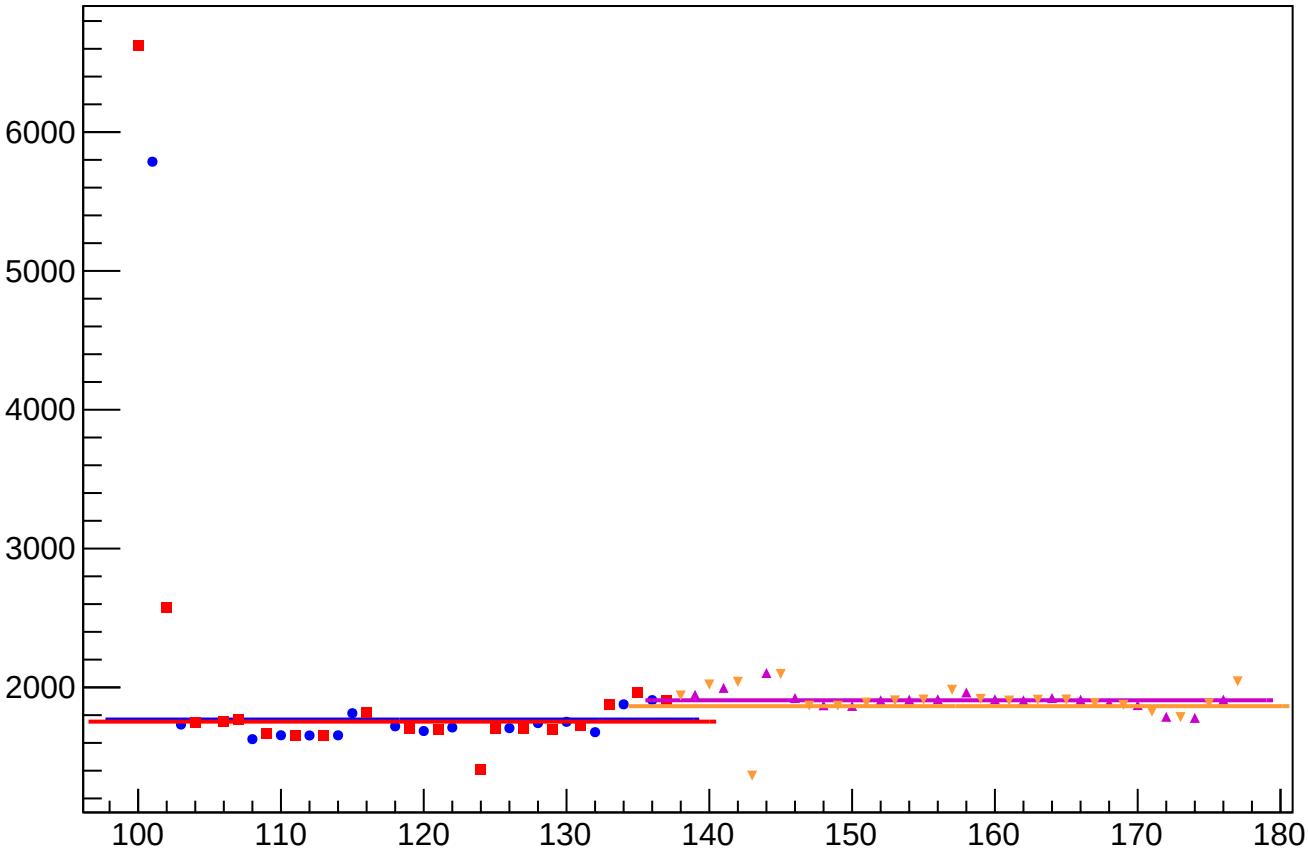
Left: 1903.510+/-332.957 χ^2/NDF: 54.4/39

Right: 2215.771+/-470.744 χ^2/NDF: 30.1/34

In: 2435.578+/-393.211 χ^2/NDF:32.6/34

Out: 1615.890+/-376.214 χ^2/NDF:50.0/39

All: 2007.635+/-271.834 χ^2/NDF: 84.9/74



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1864.807+/-0.324 χ^2/NDF:286798.4/20

Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1907.057+/-0.342 χ^2/NDF:39646.0/18

Left: 1884.793+/-0.235 χ^2/NDF: 334471.7/39

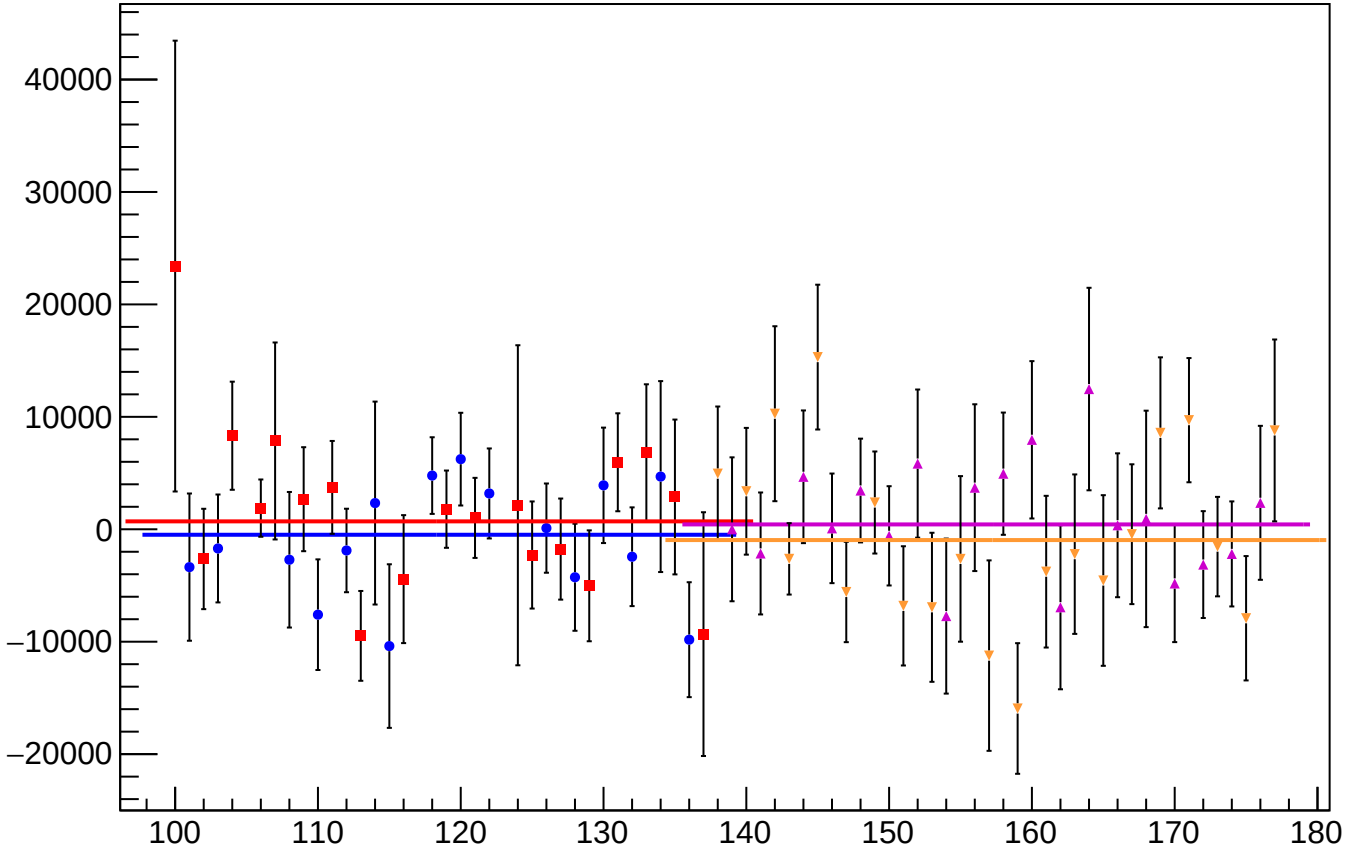
Right: 1760.725+/-0.332 χ^2/NDF: 886747.0/34

In: 1859.904+/-0.278 χ^2/NDF:762776.8/34

Out: 1828.217+/-0.266 χ^2/NDF:544423.3/39

All: 1843.347+/-0.192 χ^2/NDF: 1313986.5/74

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: -960.451+/-1233.253 χ^2/NDF:31.4/20

Right Out: 703.325+/-1069.463 χ^2/NDF: 18.8/18

Left In: 431.813+/-1338.092 χ^2/NDF:10.1/18

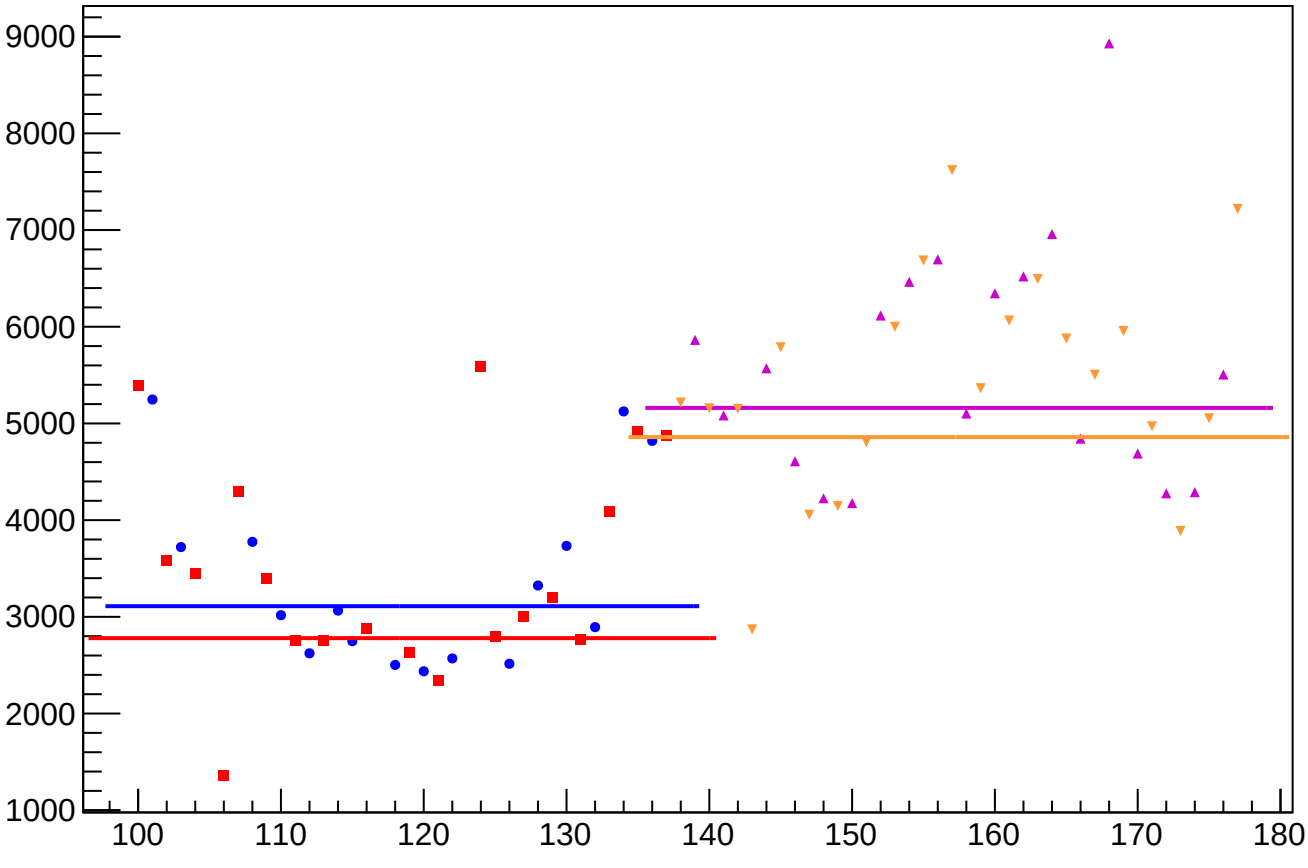
Left: -320.991+/-906.843 χ^2/NDF: 42.1/39

Right: 175.182+/-797.960 χ^2/NDF: 35.1/34

In: -78.613+/-892.755 χ^2/NDF:26.1/34

Out: -10.816+/-807.973 χ^2/NDF:51.3/39

All: -41.343+/-599.060 χ^2/NDF: 77.4/74



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4858.690+/-0.872 χ^2/NDF:1916776.5/20

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

Left In: 5160.868+/-0.946 χ^2/NDF:1119220.2/18

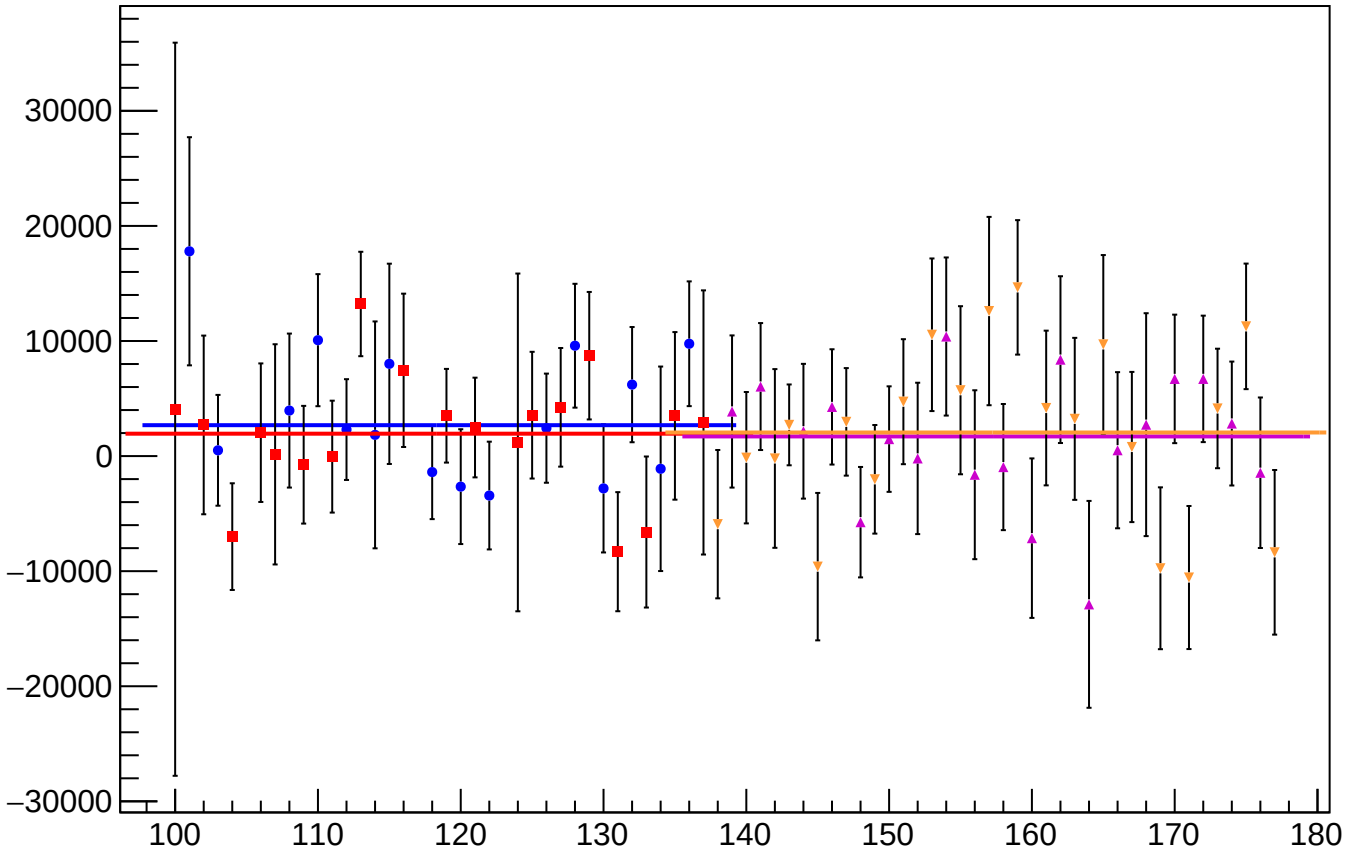
Left: 4997.479+/-0.641 χ^2/NDF: 3091146.5/39

Right: 2926.126+/-0.564 χ^2/NDF: 2316104.6/34

In: 4022.981+/-0.631 χ^2/NDF:4609059.9/34

Out: 3672.016+/-0.571 χ^2/NDF:6509281.8/39

All: 3830.046+/-0.424 χ^2/NDF: 11288260.9/7



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: 2049.727+/-1284.707 χ^2/NDF:27.5/20

Right Out: 1945.685+/-1332.986 χ^2/NDF: 18.7/18

Left In: 1708.312+/-1387.226 χ^2/NDF:12.6/18

Left: 1892.100+/-942.587 χ^2/NDF: 40.2/39

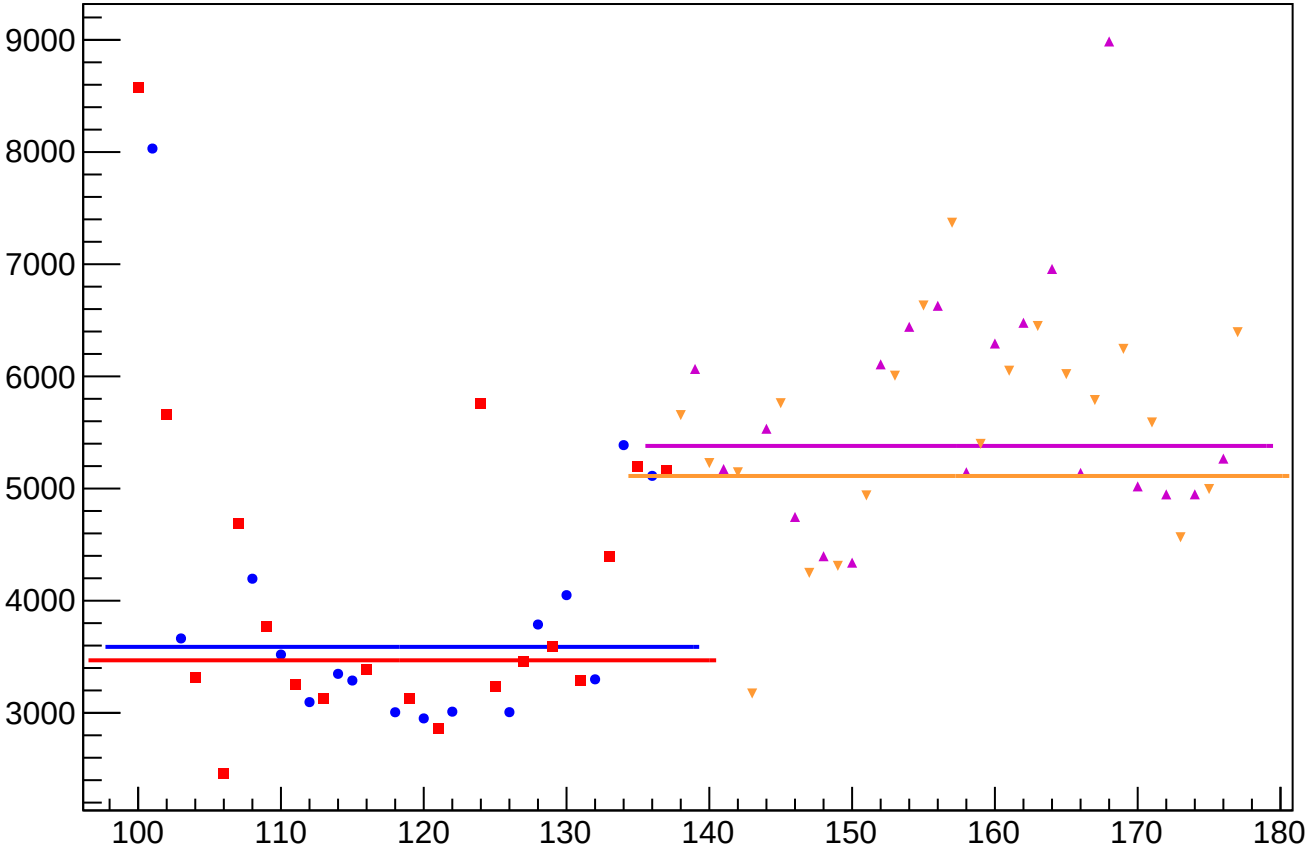
Right: 2302.760+/-958.722 χ^2/NDF: 32.3/34

In: 2199.448+/-978.319 χ^2/NDF:26.3/34

Out: 1999.624+/-925.022 χ^2/NDF:46.2/39

All: 2093.945+/-672.142 χ^2/NDF: 72.6/74

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 5112.087+/-0.908 χ^2/NDF:1364580.2/20

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

Left In: 5380.052+/-0.981 χ^2/NDF:834837.2/18

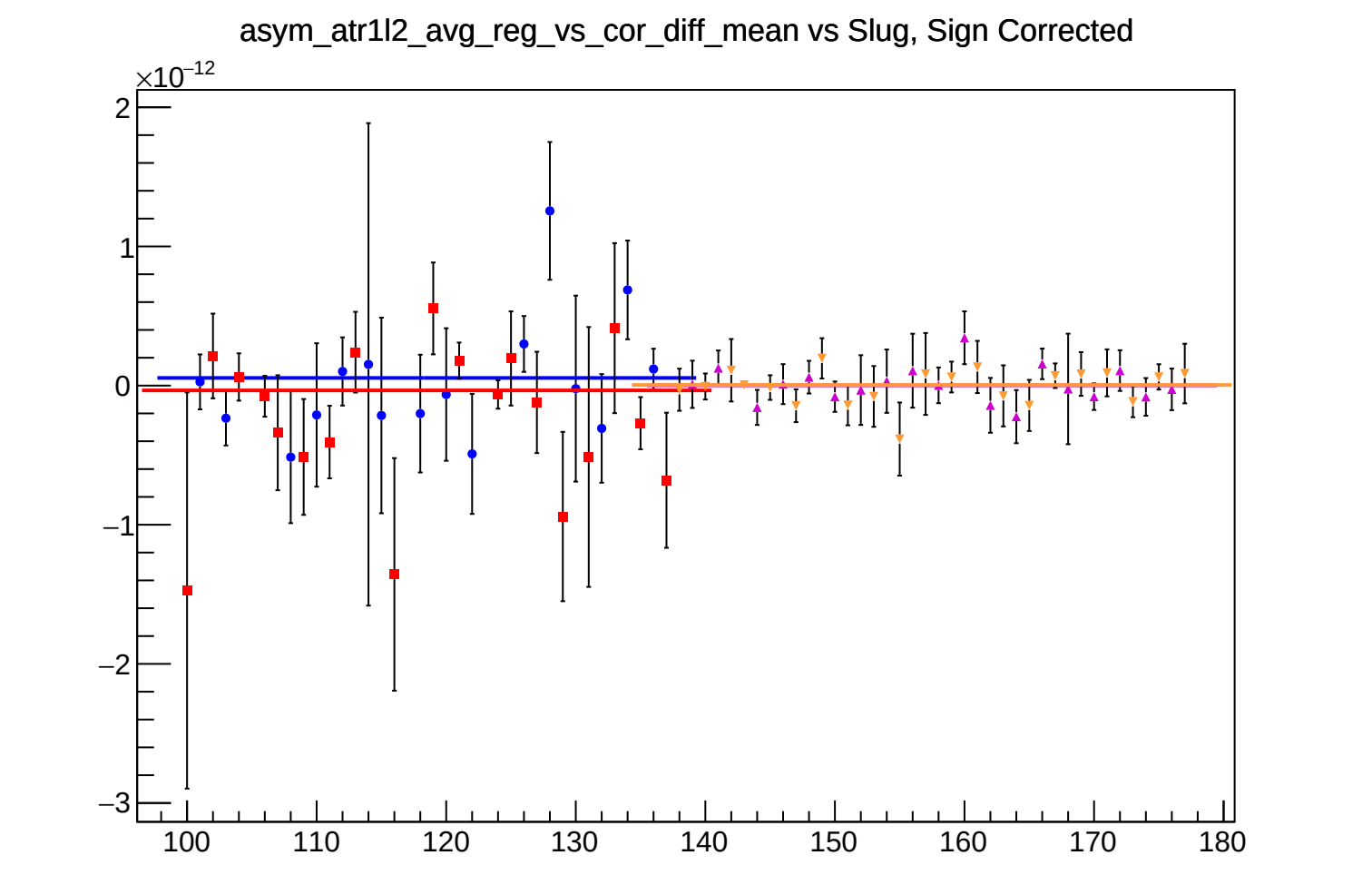
Left: 5235.803+/-0.667 χ^2/NDF: 2239589.6/39

Right: 3525.541+/-0.673 χ^2/NDF: 1519674.0/34

In: 4479.500+/-0.692 χ^2/NDF:3356890.0/34

Out: 4308.092+/-0.649 χ^2/NDF:3632281.4/39

All: 4388.366+/-0.473 χ^2/NDF: 7021813.8/74



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

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

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: 0.000+/-0.000 χ^2/NDF:12.4/18

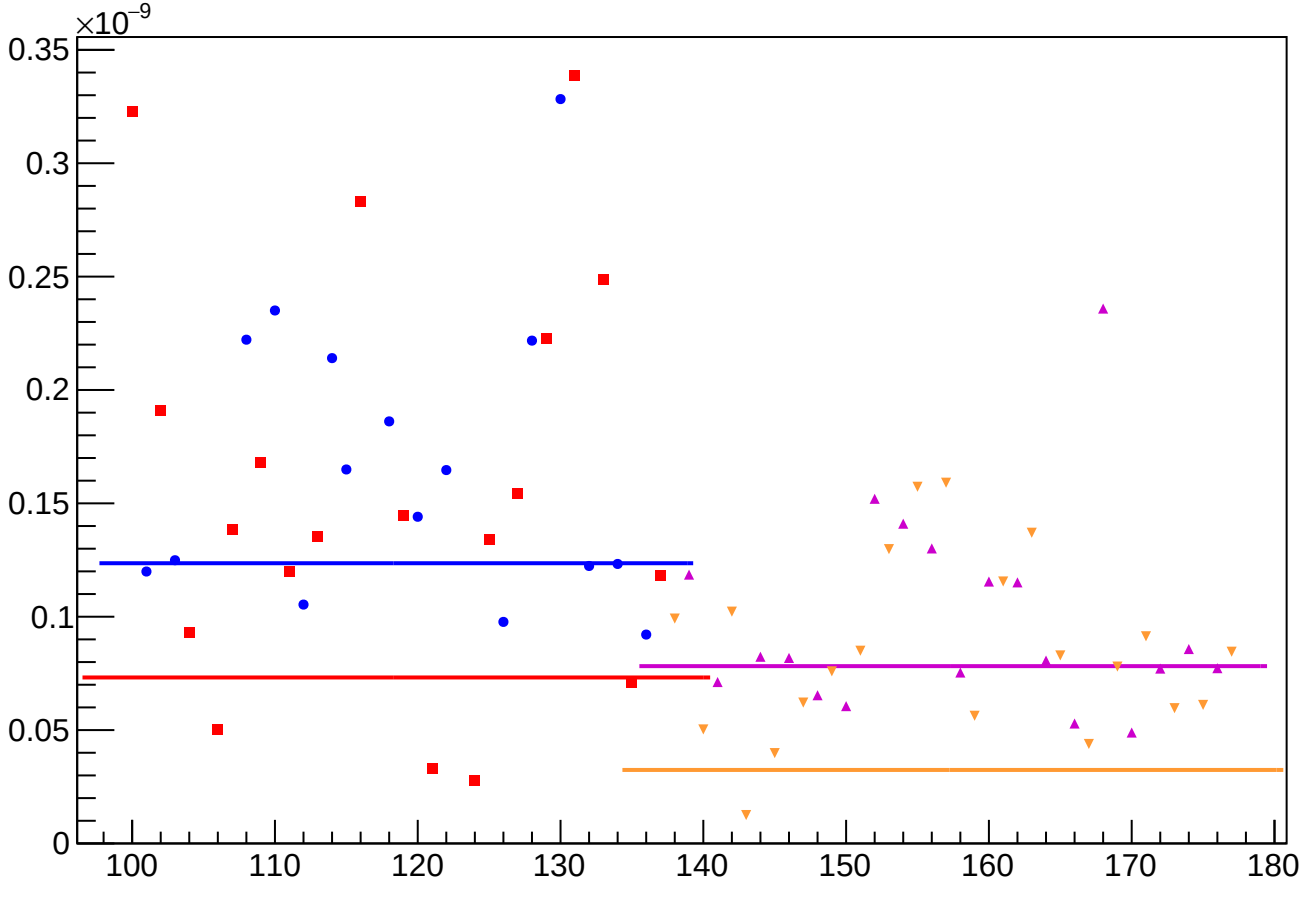
Left: 0.000+/-0.000 χ^2/NDF: 23.8/39

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: 0.000+/-0.000 χ^2/NDF:30.5/34

Out: 0.000+/-0.000 χ^2/NDF:34.1/39

All: 0.000+/-0.000 χ^2/NDF: 64.8/74



Right In: 0.000+/-0.000 χ^2/NDF: 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:6006659.0/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2188857.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1366740.5/18

Left: 0.000+/-0.000 χ^2/NDF: 10300273.9/39

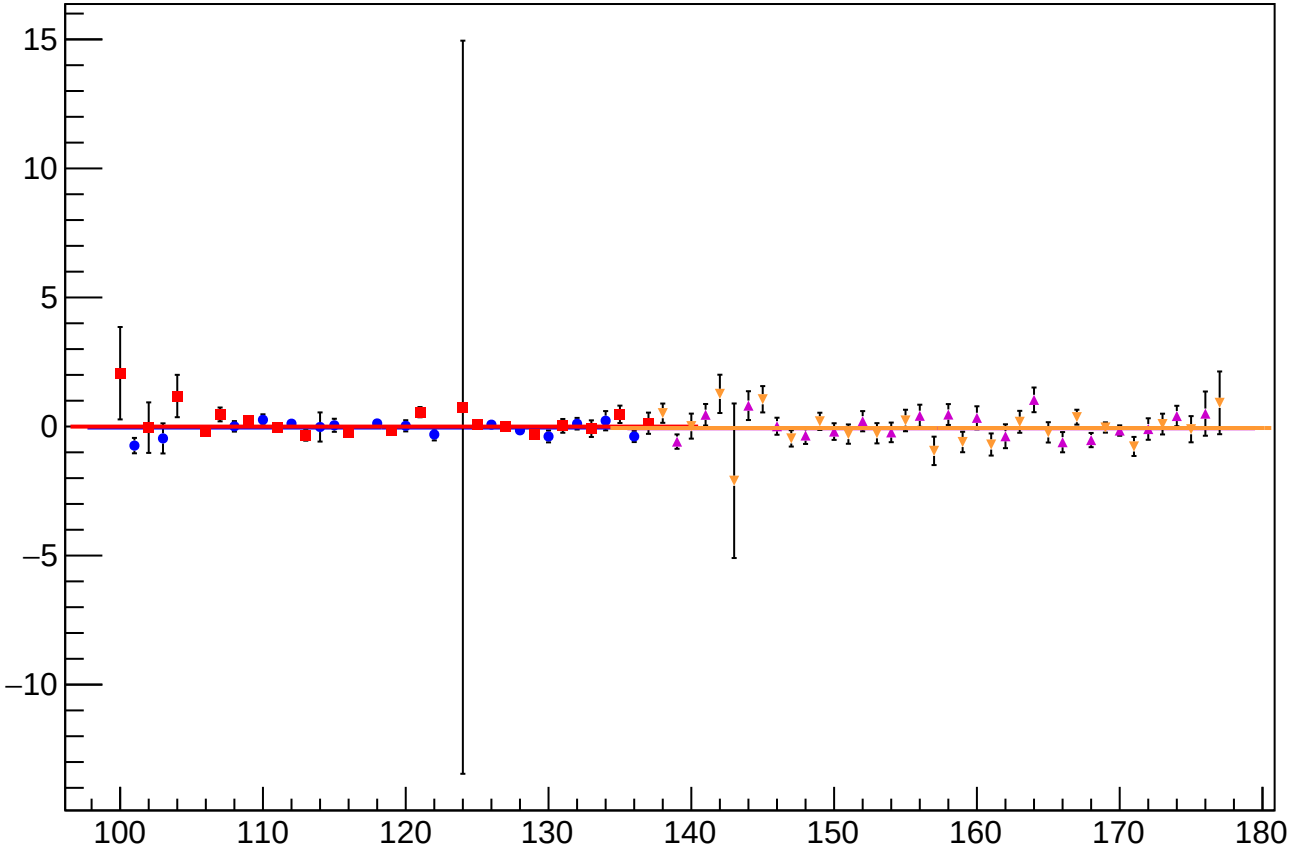
Right: 0.000+/-0.000 χ^2/NDF: 3471325.1/34

In: 0.000+/-0.000 χ^2/NDF:2666653.3/34

Out: 0.000+/-0.000 χ^2/NDF:9249312.8/39

All: 0.000+/-0.000 χ^2/NDF: 15953224.2/74

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.058+/-0.085 χ^2/NDF:28.0/20

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.068+/-0.083 χ^2/NDF:25.4/18

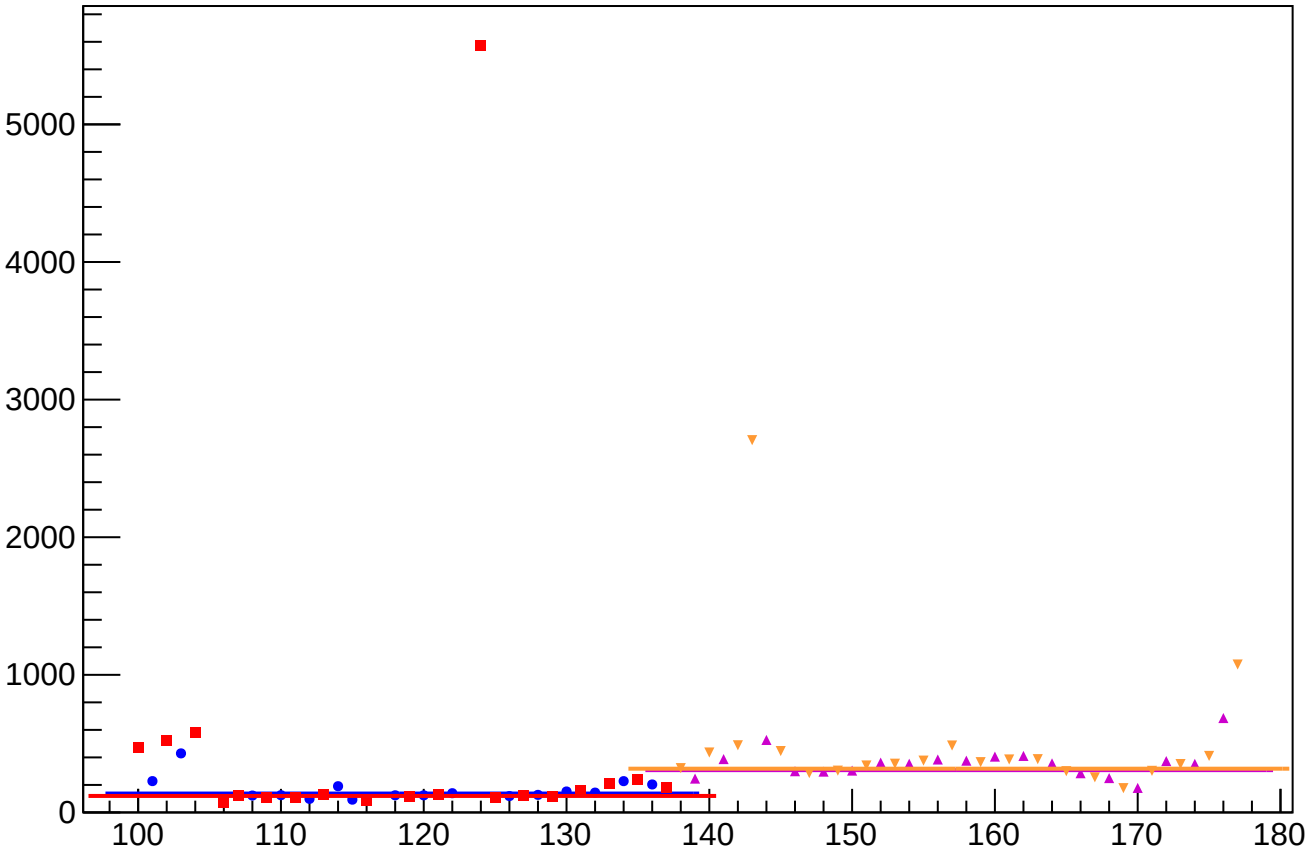
Left: -0.063+/-0.059 χ^2/NDF: 53.4/39

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.048+/-0.046 χ^2/NDF:43.4/34

Out: -0.017+/-0.044 χ^2/NDF:57.1/39

All: -0.032+/-0.032 χ^2/NDF: 100.7/74



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 318.042+/-0.060 χ^2/NDF:3999750.2/20

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 307.529+/-0.058 χ^2/NDF:2275101.7/18

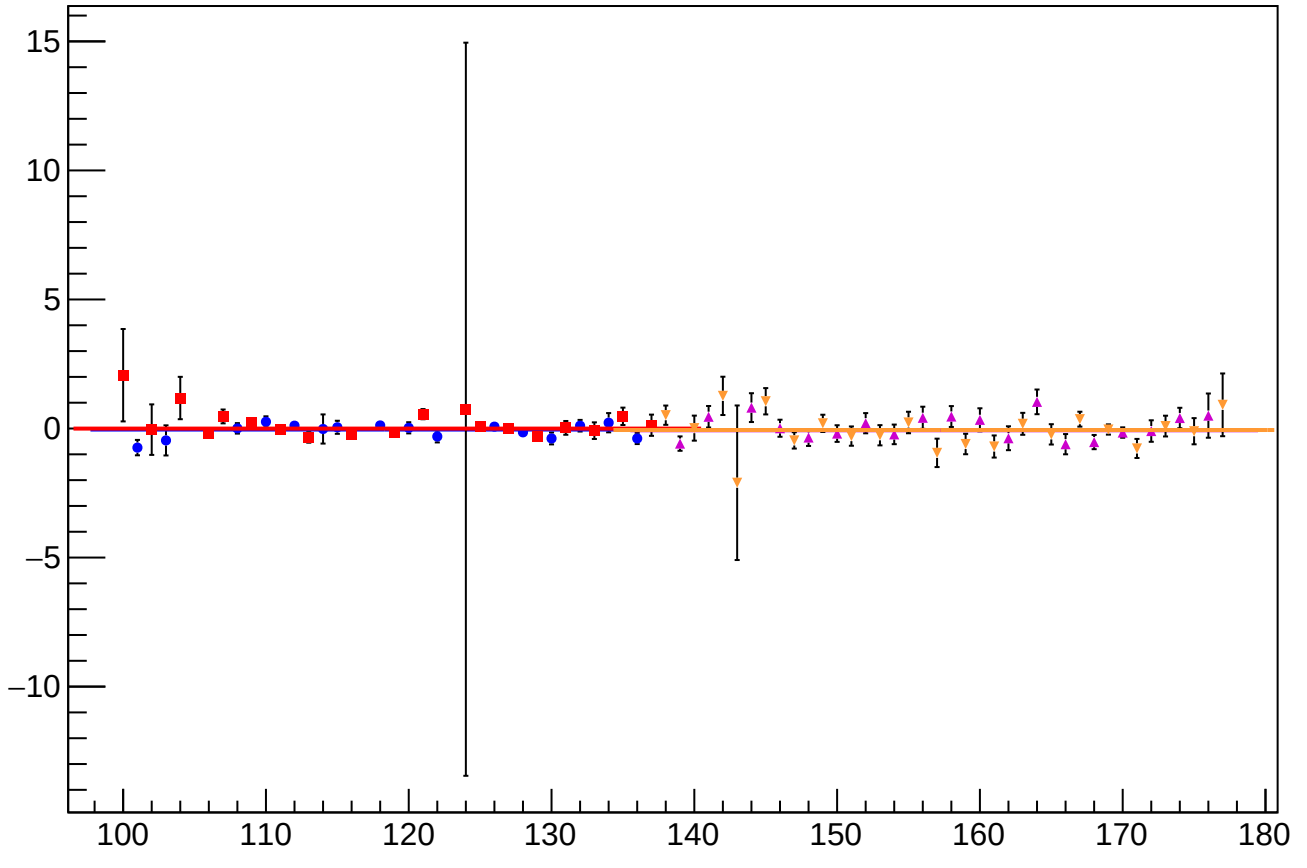
Left: 312.625+/-0.042 χ^2/NDF: 6290583.1/39

Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 190.792+/-0.033 χ^2/NDF:9373801.4/34

Out: 172.233+/-0.031 χ^2/NDF:14115706.2/39

All: 180.989+/-0.022 χ^2/NDF: 23659707.5/74



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.058+/-0.085 χ^2/NDF:28.0/20

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.068+/-0.083 χ^2/NDF:25.4/18

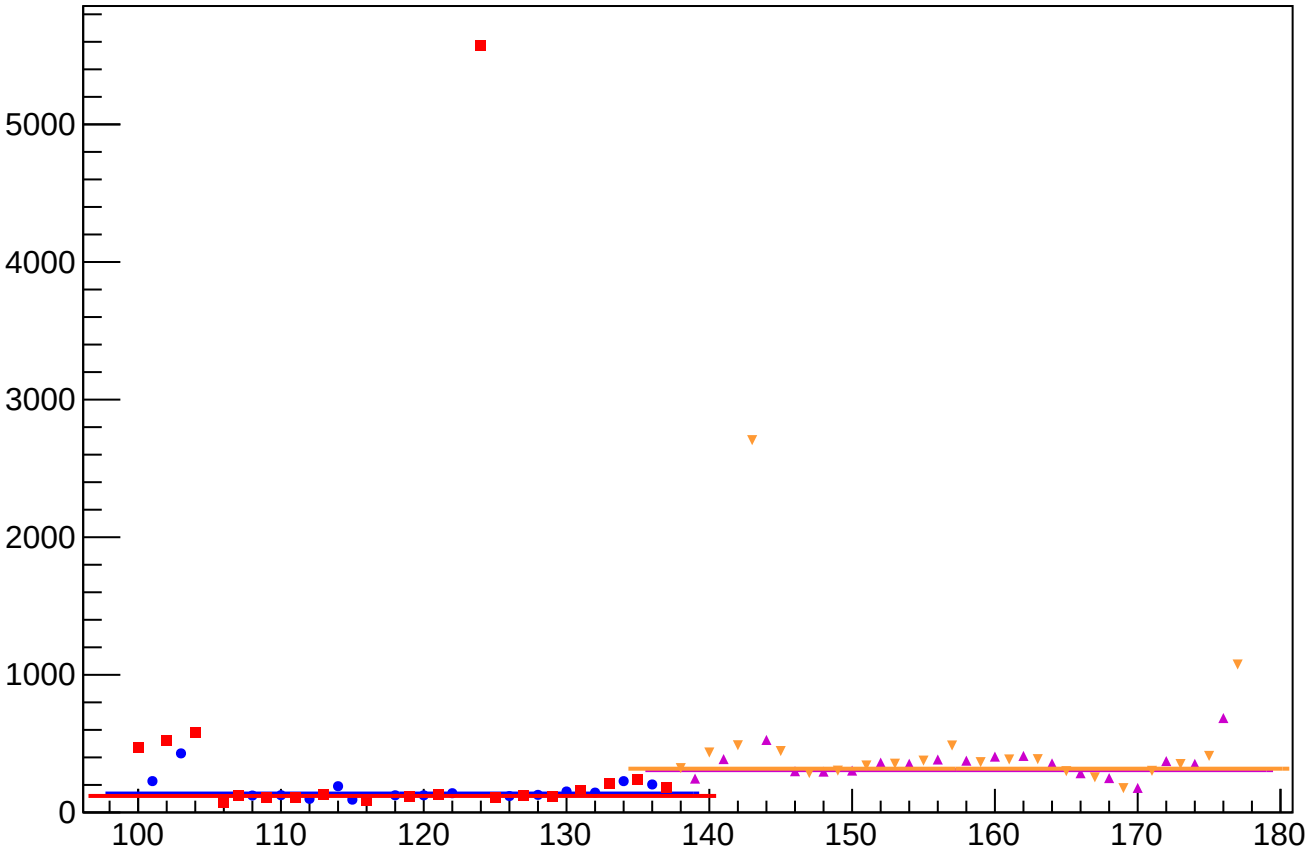
Left: -0.063+/-0.059 χ^2/NDF: 53.4/39

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.048+/-0.046 χ^2/NDF:43.4/34

Out: -0.017+/-0.044 χ^2/NDF:57.1/39

All: -0.032+/-0.032 χ^2/NDF: 100.7/74



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 318.042+/-0.060 χ^2/NDF:3999750.2/20

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 307.529+/-0.058 χ^2/NDF:2275101.7/18

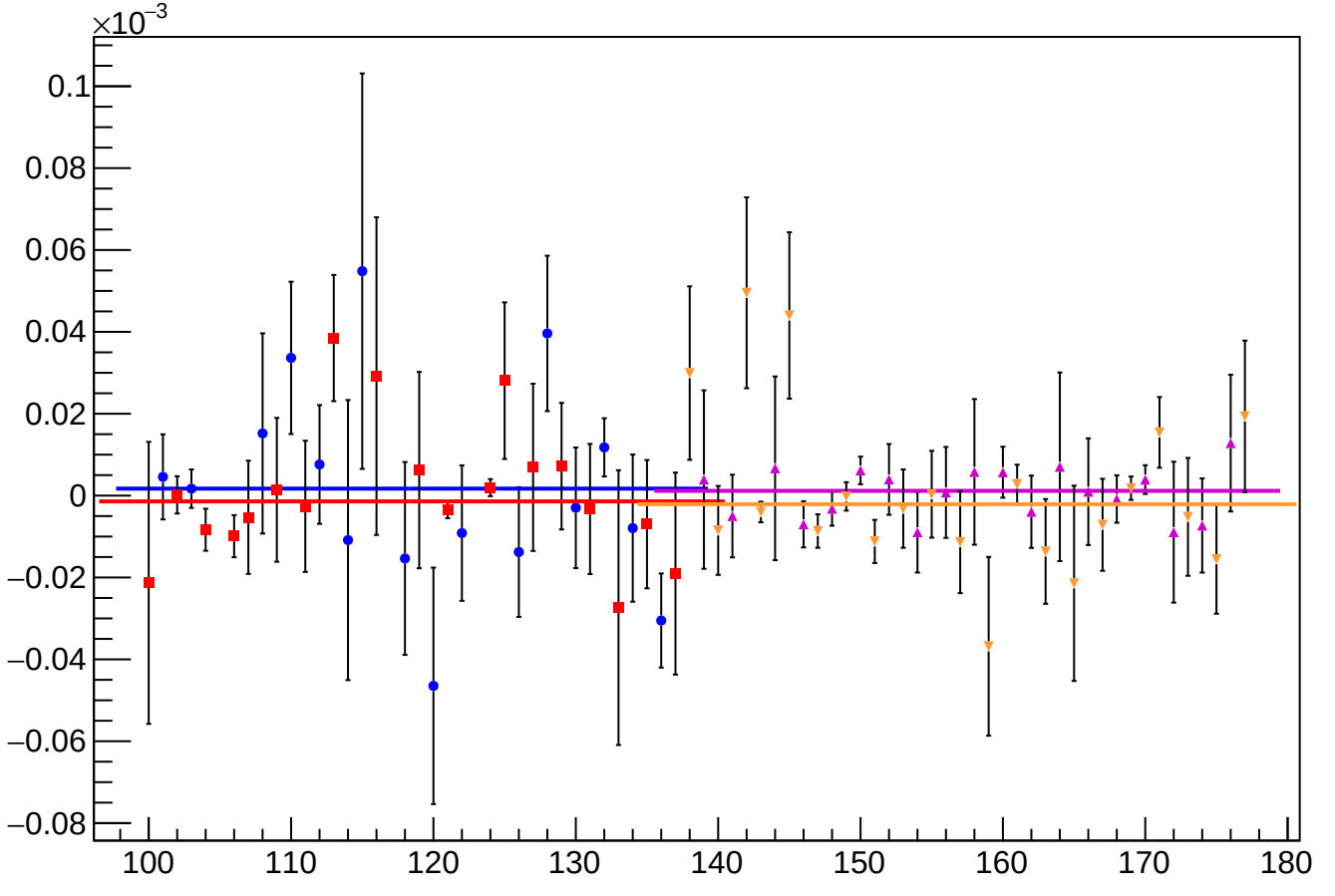
Left: 312.625+/-0.042 χ^2/NDF: 6290583.1/39

Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 190.792+/-0.033 χ^2/NDF:9373801.4/34

Out: 172.233+/-0.031 χ^2/NDF:14115706.2/39

All: 180.989+/-0.022 χ^2/NDF: 23659707.5/74



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.4/20

Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:10.1/18

Left: -0.000+/-0.000 χ^2/NDF: 46.1/39

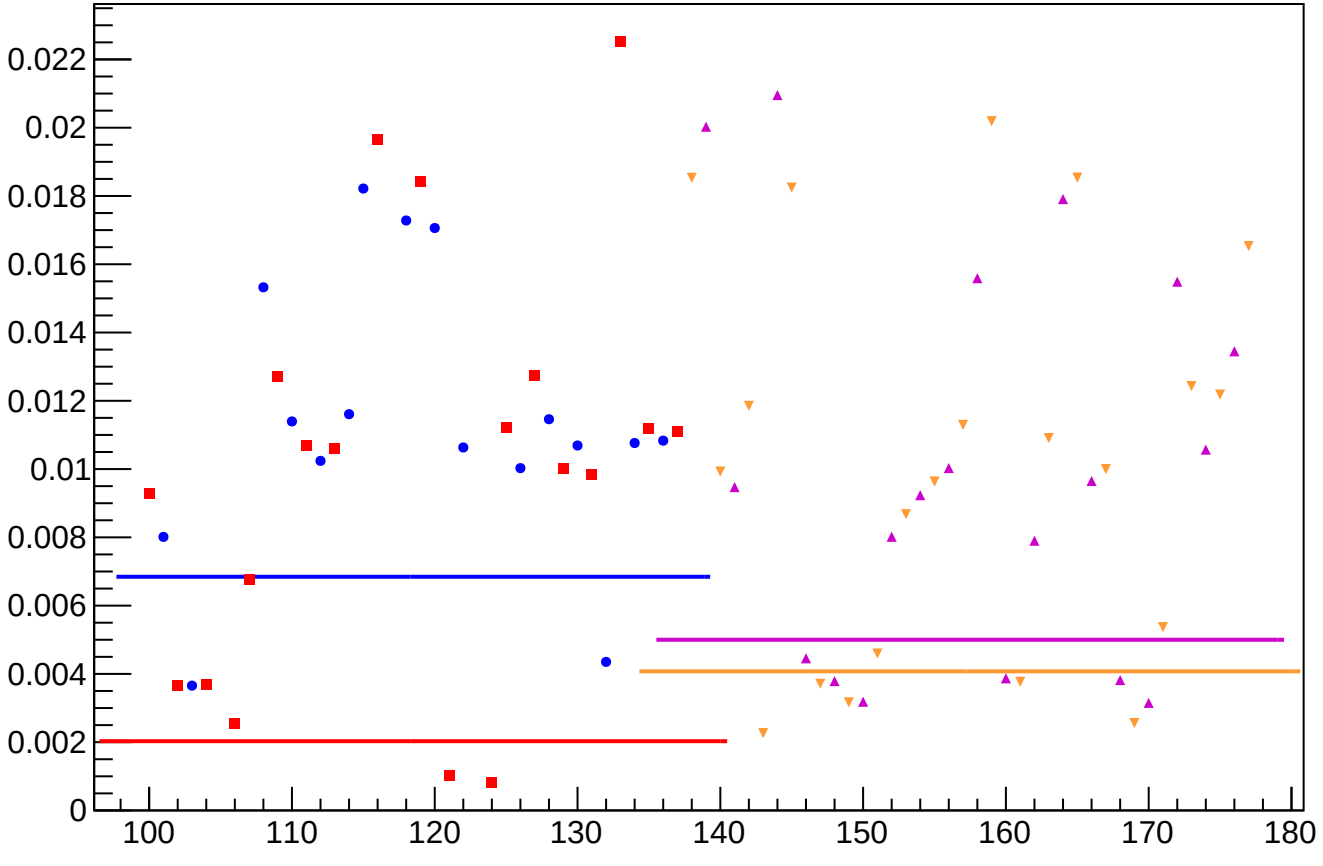
Right: -0.000+/-0.000 χ^2/NDF: 45.0/34

In: 0.000+/-0.000 χ^2/NDF:33.9/34

Out: -0.000+/-0.000 χ^2/NDF:53.8/39

All: -0.000+/-0.000 χ^2/NDF: 91.1/74

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:11492338.3/20

Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

Left In: 0.005+/-0.000 χ^2/NDF:8385312.8/18

Left: 0.004+/-0.000 χ^2/NDF: 20285436.5/39

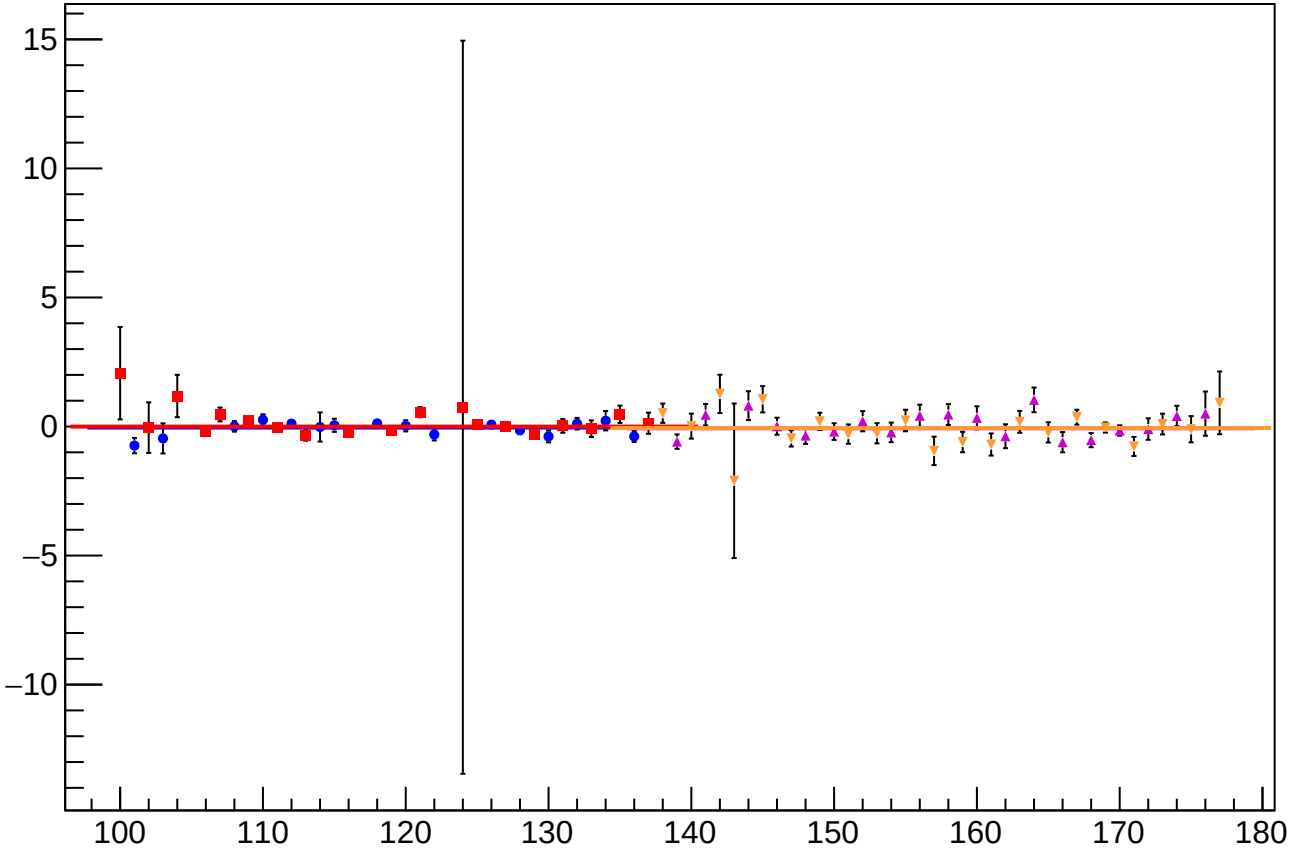
Right: 0.003+/-0.000 χ^2/NDF: 16707172.2/34

In: 0.005+/-0.000 χ^2/NDF:12217499.8/34

Out: 0.003+/-0.000 χ^2/NDF:23059926.6/39

All: 0.004+/-0.000 χ^2/NDF: 39414622.1/74

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: -0.058+/-0.085 χ^2/NDF:28.0/20

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.068+/-0.083 χ^2/NDF:25.4/18

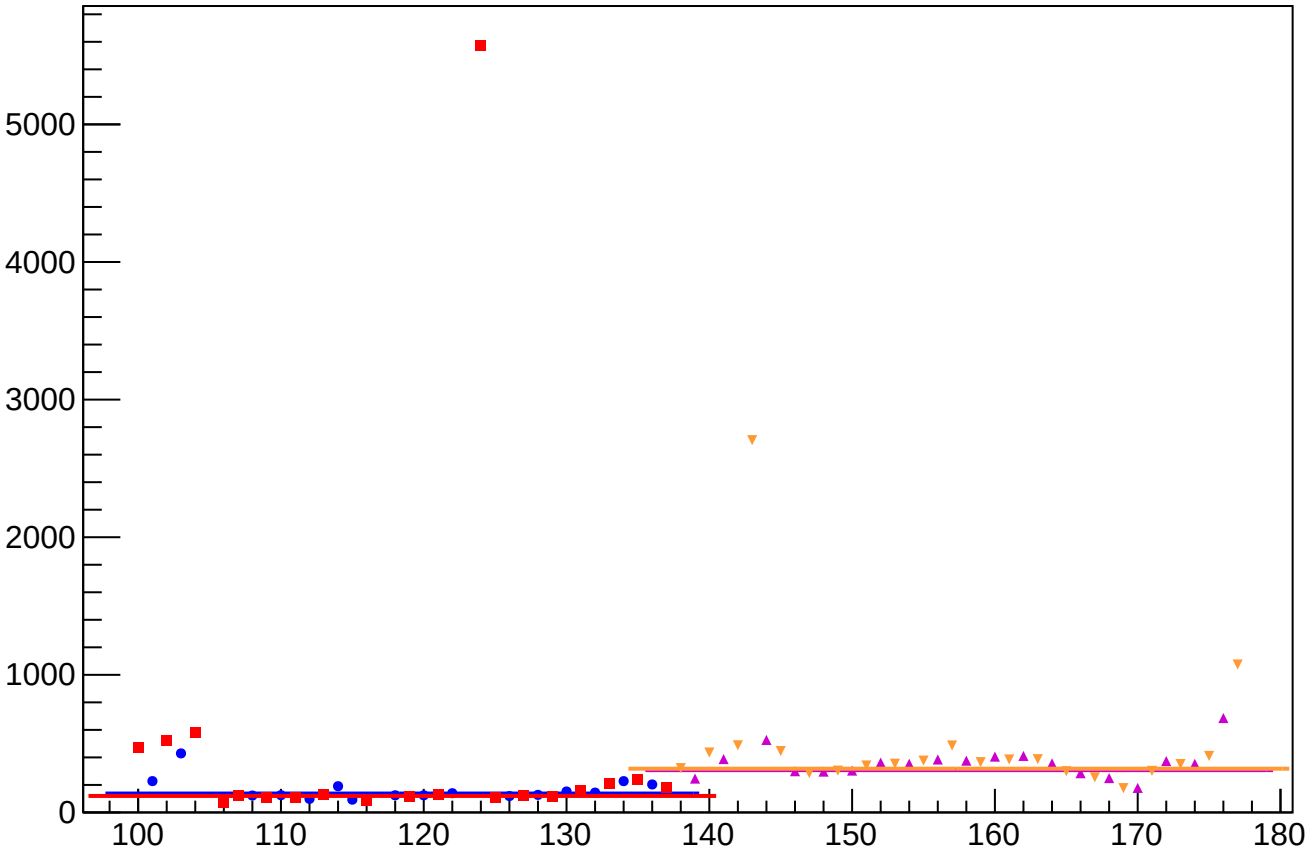
Left: -0.063+/-0.059 χ^2/NDF: 53.4/39

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.048+/-0.046 χ^2/NDF:43.4/34

Out: -0.017+/-0.044 χ^2/NDF:57.1/39

All: -0.032+/-0.032 χ^2/NDF: 100.7/74



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 318.044+/-0.060 χ^2/NDF:3999796.0/20

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 307.531+/-0.058 χ^2/NDF:2275095.8/18

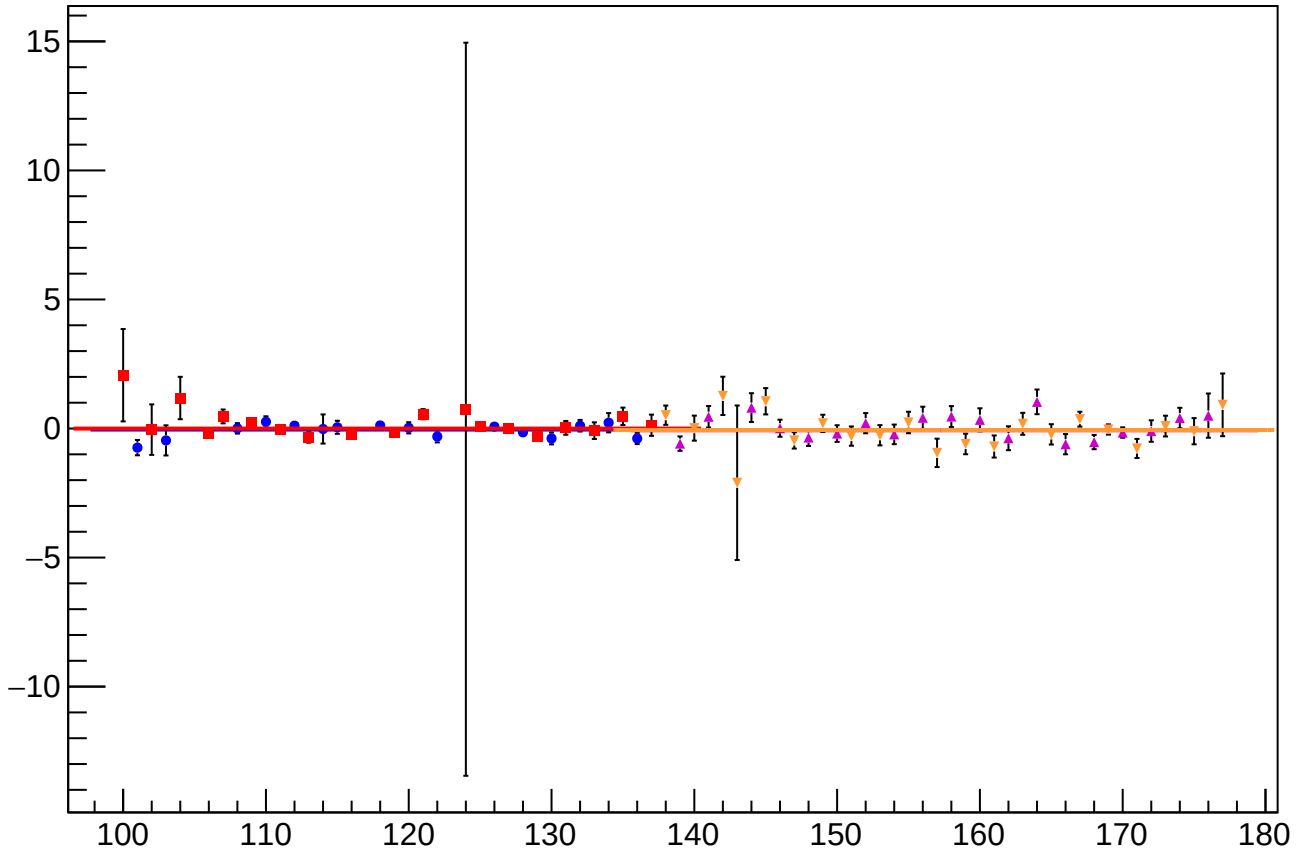
Left: 312.628+/-0.042 χ^2/NDF: 6290620.1/39

Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 190.793+/-0.033 χ^2/NDF:9373769.9/34

Out: 172.233+/-0.031 χ^2/NDF:14115755.5/39

All: 180.989+/-0.022 χ^2/NDF: 23659748.4/74



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.058+/-0.085 χ^2/NDF:28.0/20

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.068+/-0.083 χ^2/NDF:25.4/18

Left: -0.063+/-0.059 χ^2/NDF: 53.4/39

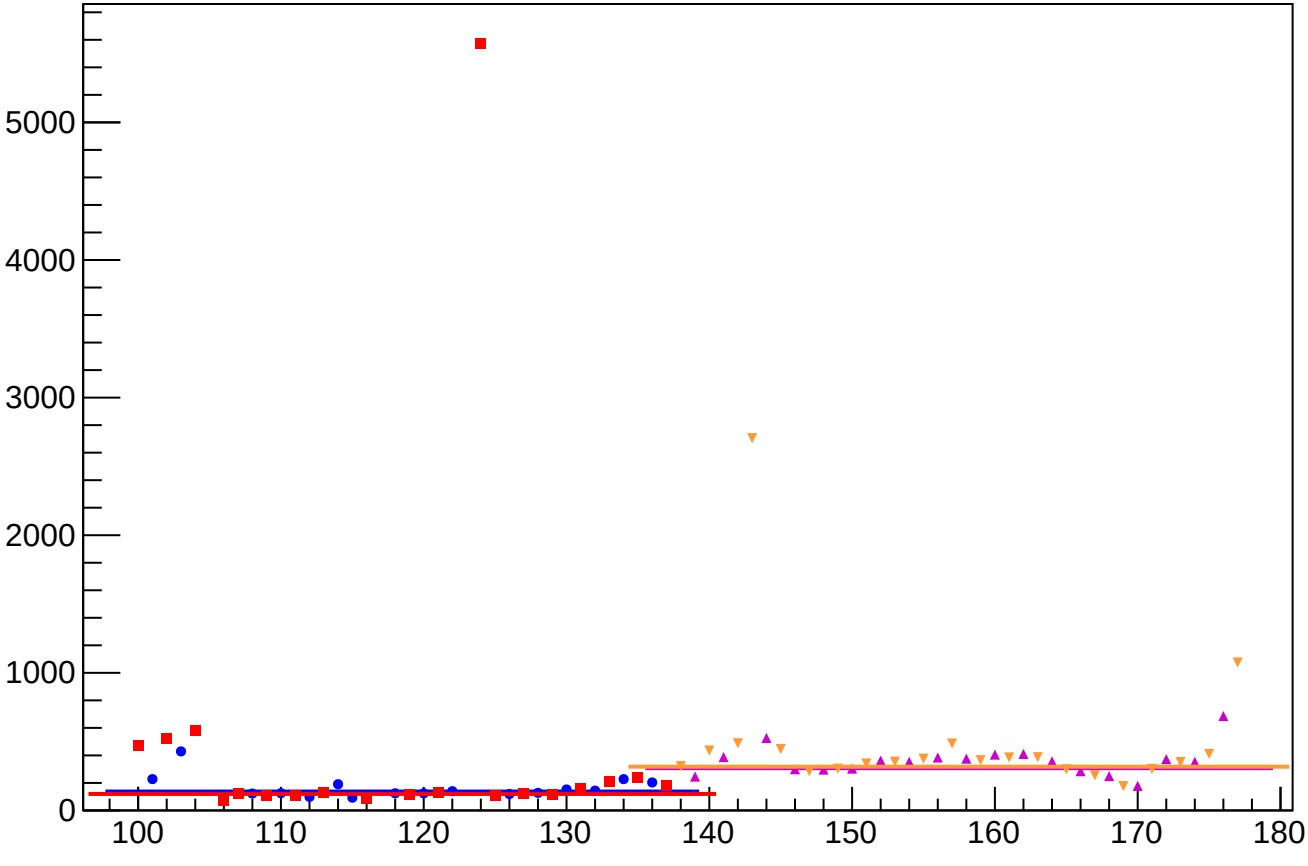
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.048+/-0.046 χ^2/NDF:43.4/34

Out: -0.017+/-0.044 χ^2/NDF:57.1/39

All: -0.032+/-0.032 χ^2/NDF: 100.7/74

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: 318.044+/-0.060 χ^2/NDF:3999796.0/20

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 307.531+/-0.058 χ^2/NDF:2275095.8/18

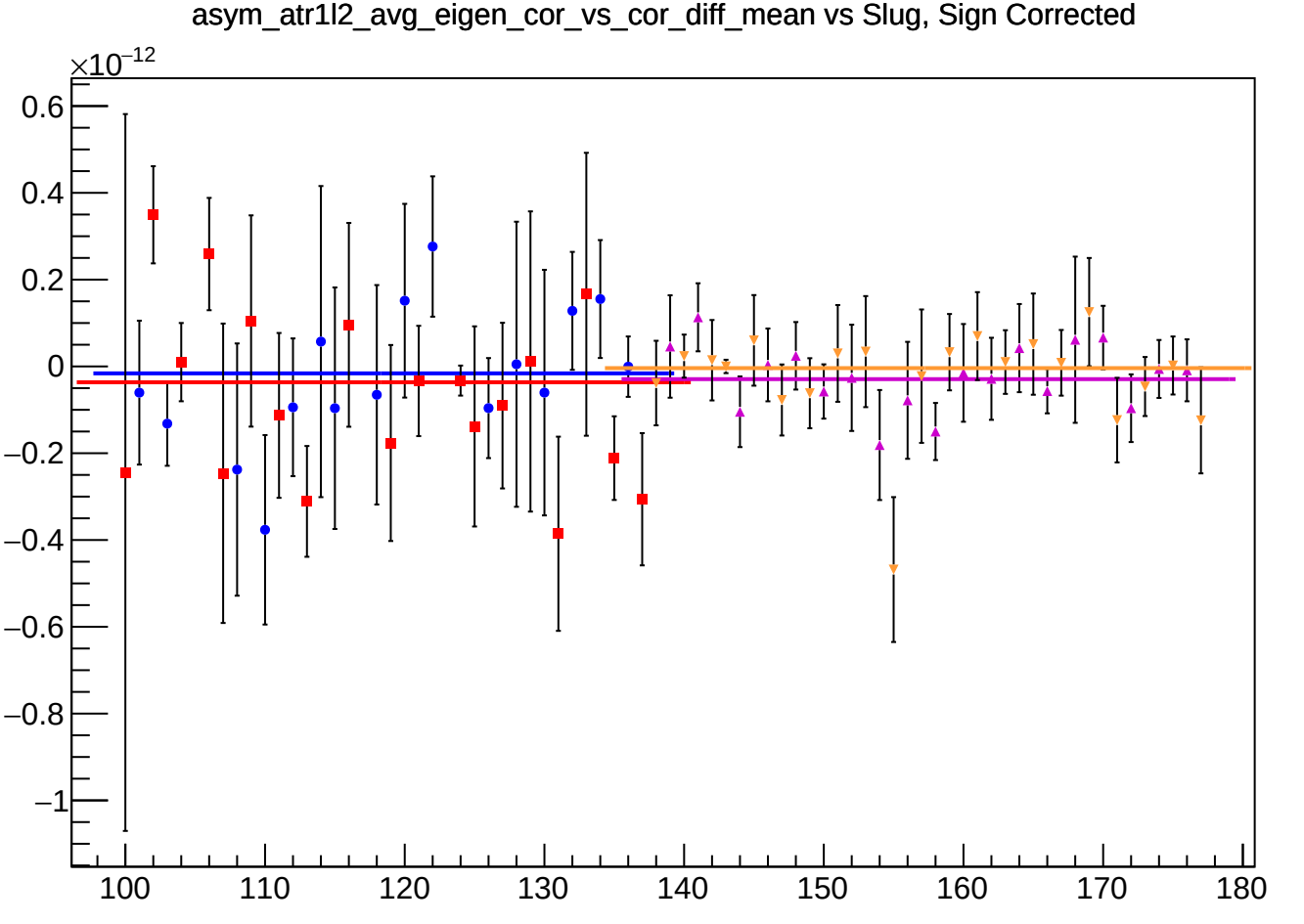
Left: 312.628+/-0.042 χ^2/NDF: 6290620.1/39

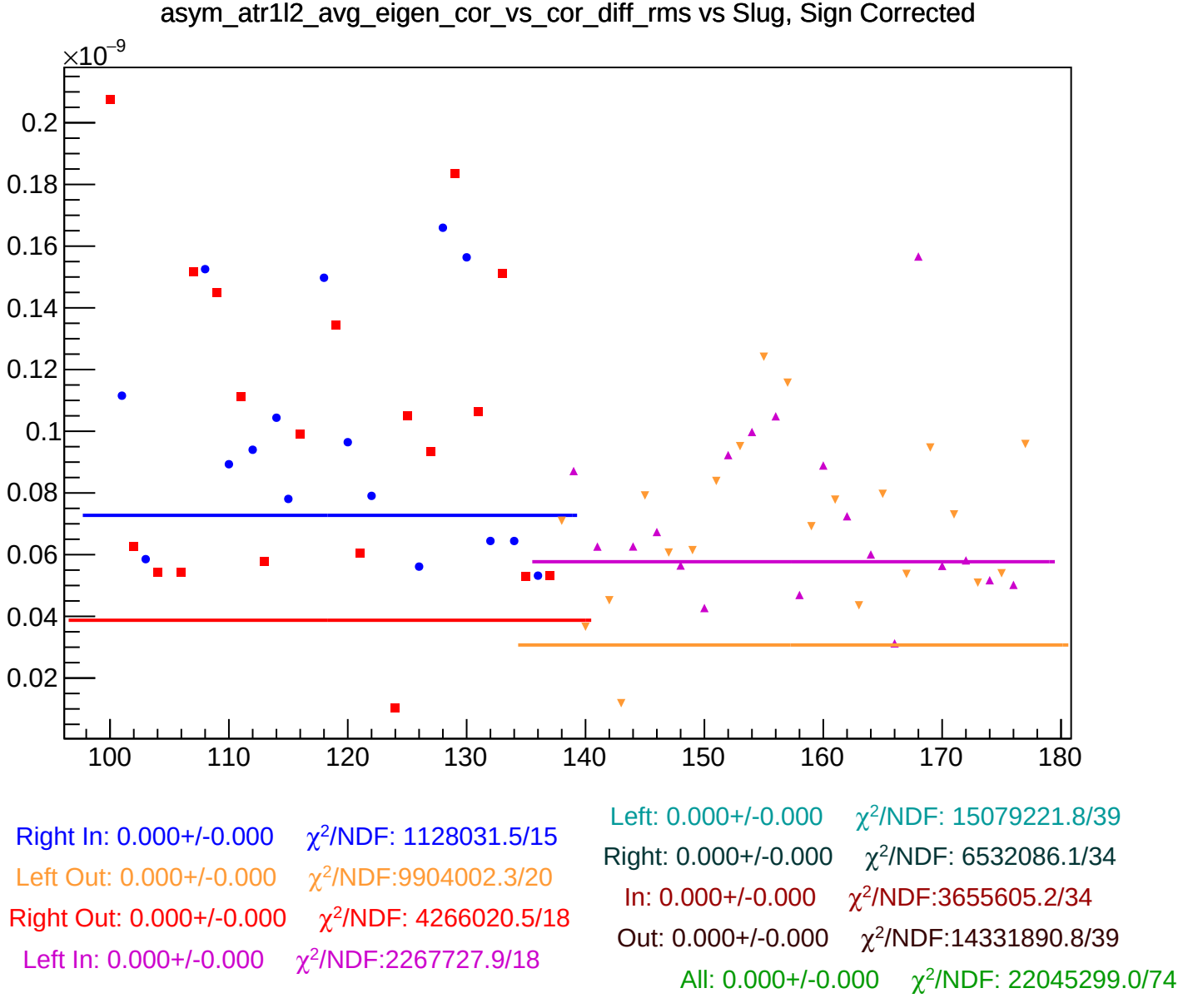
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 190.793+/-0.033 χ^2/NDF:9373769.9/34

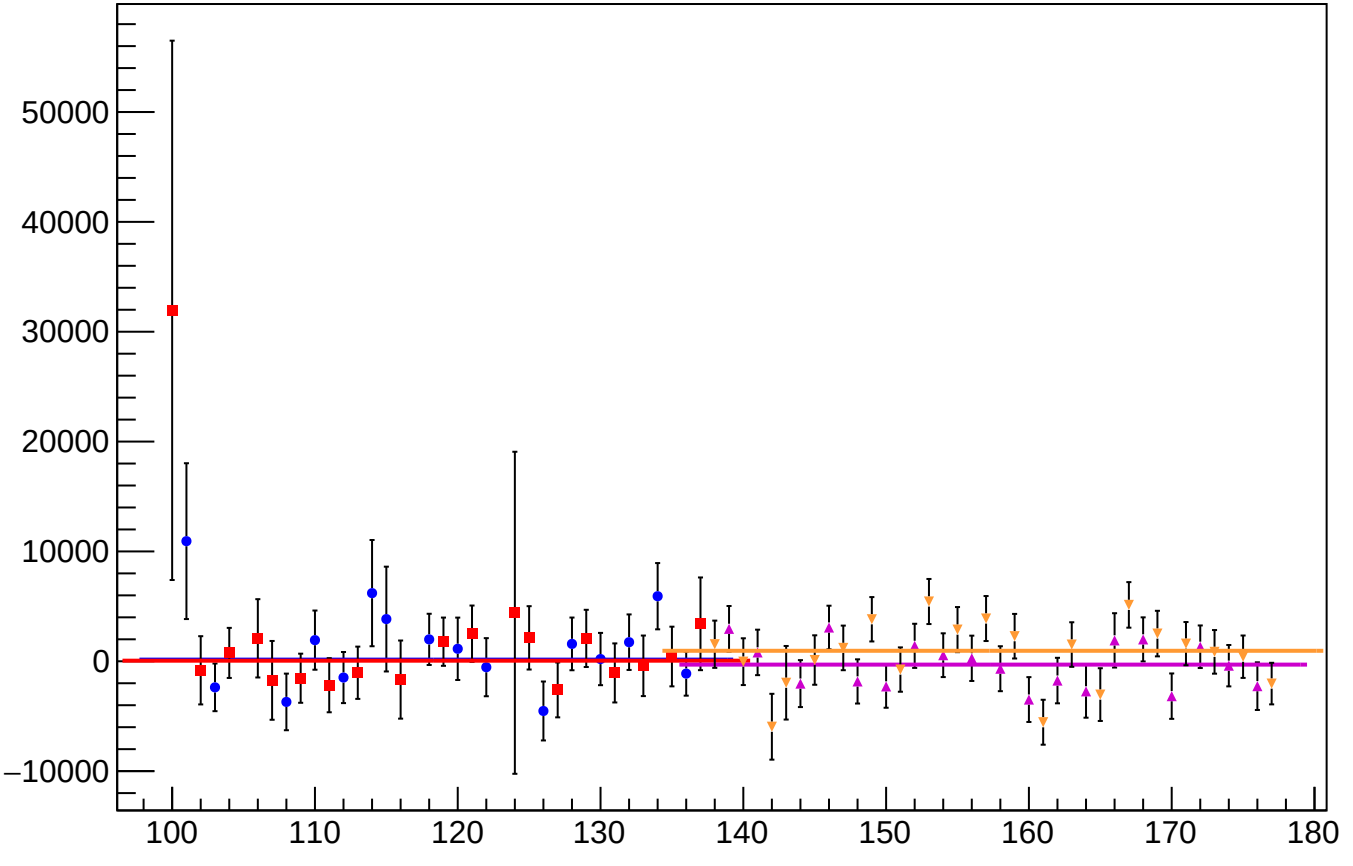
Out: 172.233+/-0.031 χ^2/NDF:14115755.5/39

All: 180.989+/-0.022 χ^2/NDF: 23659748.4/74


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:15.1/20
Right Out: -0.000+/-0.000 χ²/NDF: 33.2/18
Left In: -0.000+/-0.000 χ²/NDF:14.0/18
Left: -0.000+/-0.000 χ²/NDF: 30.4/39
Right: -0.000+/-0.000 χ²/NDF: 45.7/34
In: -0.000+/-0.000 χ²/NDF:26.4/34
Out: -0.000+/-0.000 χ²/NDF:49.6/39
All: -0.000+/-0.000 χ²/NDF: 76.7/74


asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1128031.5/15
Left Out: 0.000+/-0.000 χ²/NDF:9904002.3/20
Right Out: 0.000+/-0.000 χ²/NDF: 4266020.5/18
Left In: 0.000+/-0.000 χ²/NDF:2267727.9/18
Left: 0.000+/-0.000 χ²/NDF: 15079221.8/39
Right: 0.000+/-0.000 χ²/NDF: 6532086.1/34
In: 0.000+/-0.000 χ²/NDF:3655605.2/34
Out: 0.000+/-0.000 χ²/NDF:14331890.8/39
All: 0.000+/-0.000 χ²/NDF: 22045299.0/74

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: 954.786+/-461.031 χ^2/NDF:37.7/20

Right Out: 54.106+/-655.266 χ^2/NDF: 9.0/18

Left In: -304.239+/-472.602 χ^2/NDF:18.4/18

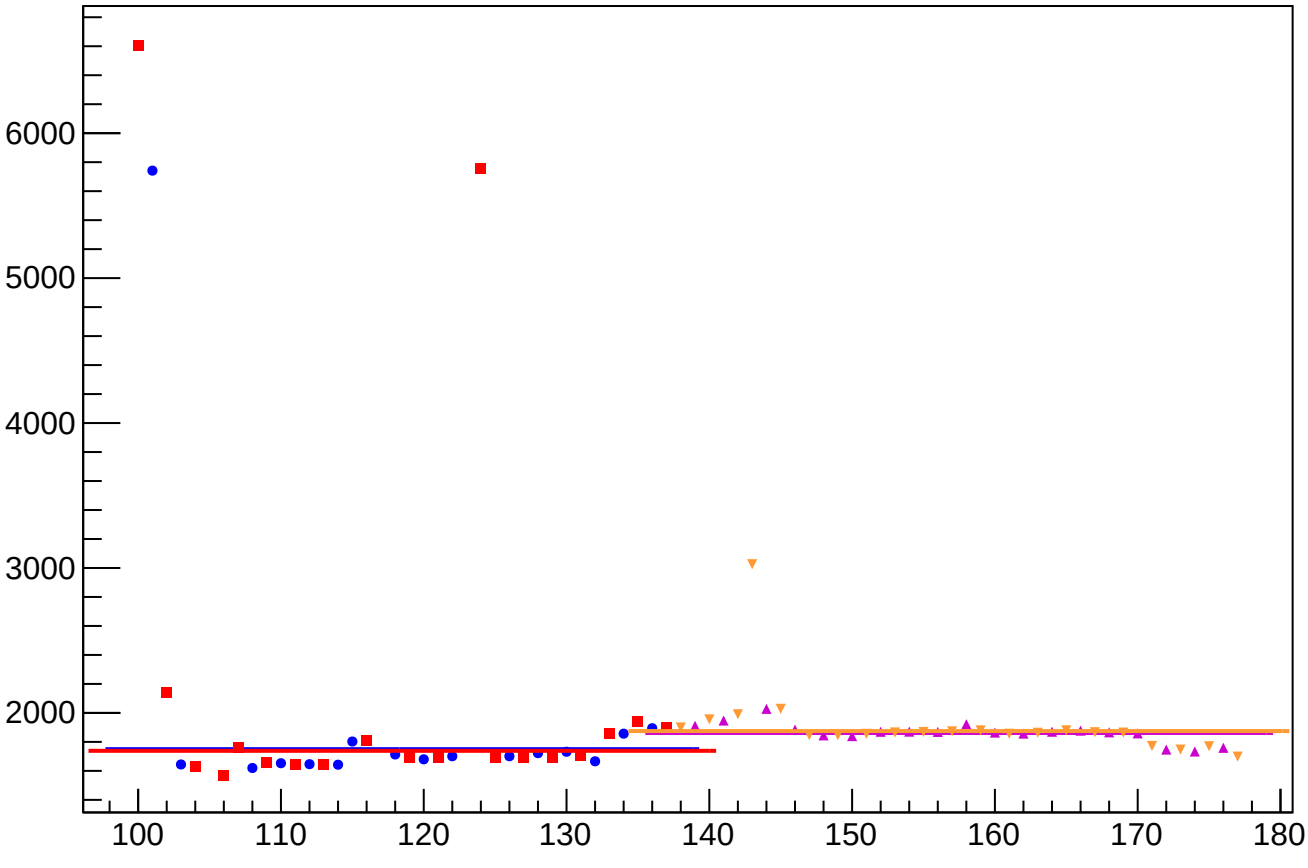
Left: 340.874+/-330.013 χ^2/NDF: 59.7/39

Right: 101.554+/-467.446 χ^2/NDF: 26.6/34

In: -152.182+/-385.621 χ^2/NDF:36.4/34

Out: 656.558+/-377.056 χ^2/NDF:47.9/39

All: 261.269+/-269.596 χ^2/NDF: 86.6/74



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 1874.728+/-0.326 χ^2/NDF:290017.3/20

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

Left In: 1861.811+/-0.334 χ^2/NDF:40004.4/18

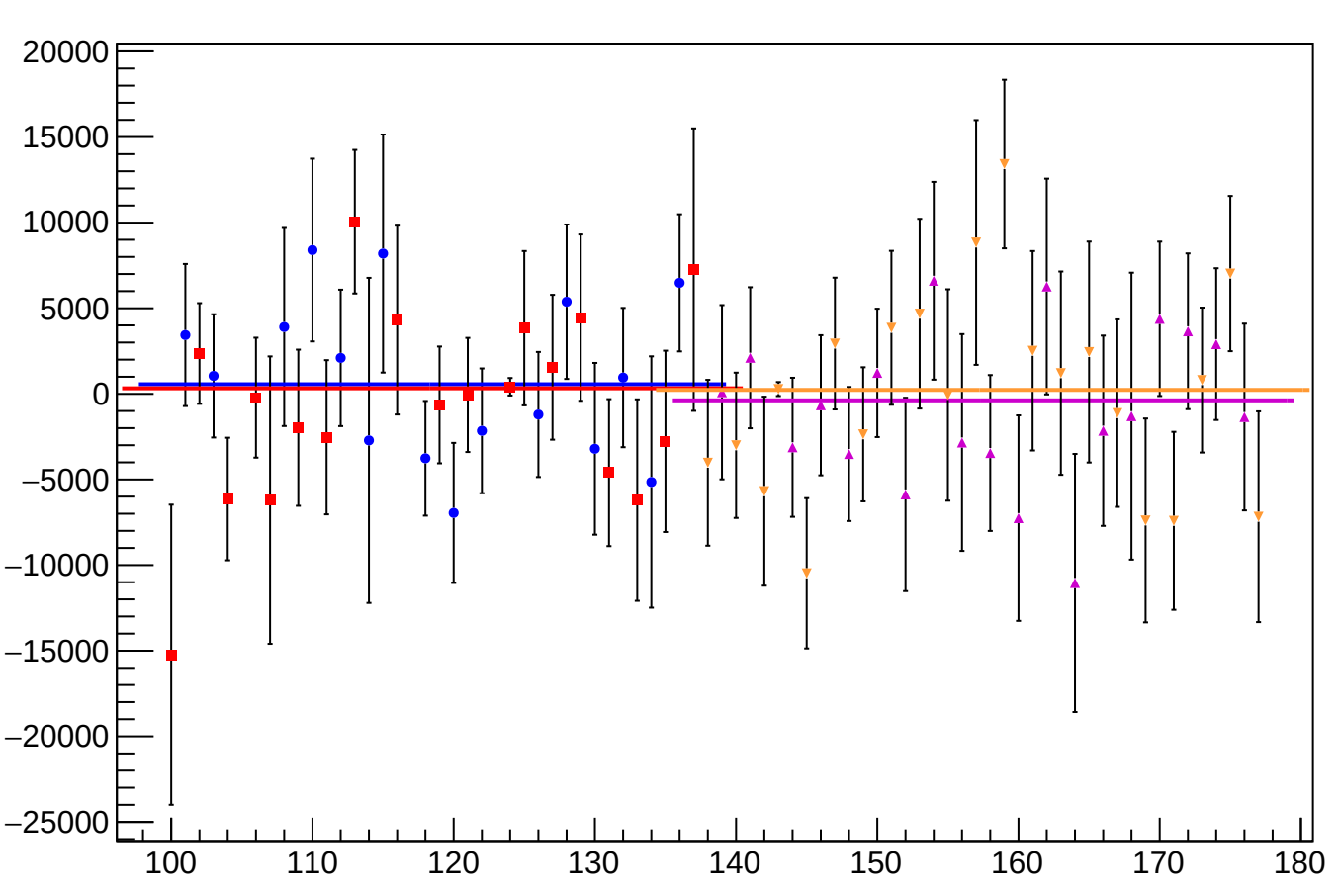
Left: 1868.430+/-0.233 χ^2/NDF: 330787.1/39

Right: 1744.036+/-0.329 χ^2/NDF: 974367.2/34

In: 1824.397+/-0.273 χ^2/NDF:747085.9/34

Out: 1829.173+/-0.266 χ^2/NDF:652907.4/39

All: 1826.844+/-0.190 χ^2/NDF: 1400150.6/74



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 231.683+/-384.290 χ^2/NDF:27.2/20

Right Out: 325.567+/-457.948 χ^2/NDF: 19.2/18

Left In: -377.840+/-1126.373 χ^2/NDF:11.7/18

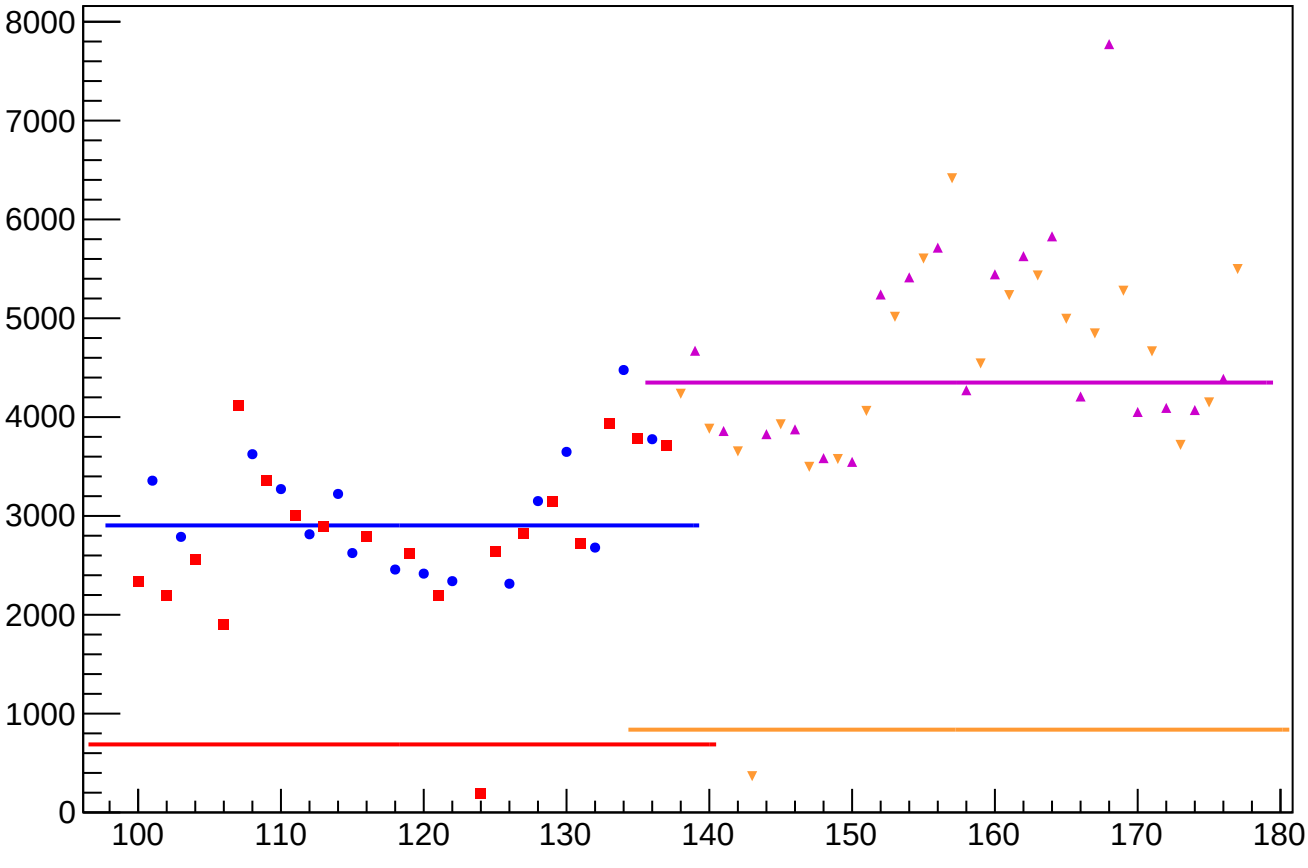
Left: 168.132+/-363.705 χ^2/NDF: 39.2/39

Right: 360.479+/-422.840 χ^2/NDF: 34.1/34

In: 102.889+/-787.402 χ^2/NDF:26.9/34

Out: 270.477+/-294.375 χ^2/NDF:46.5/39

All: 249.926+/-275.735 χ^2/NDF: 73.4/74



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 837.680+/-0.272 χ^2/NDF:23399919.0/20

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

Left In: 4349.419+/-0.796 χ^2/NDF:1059830.1/18

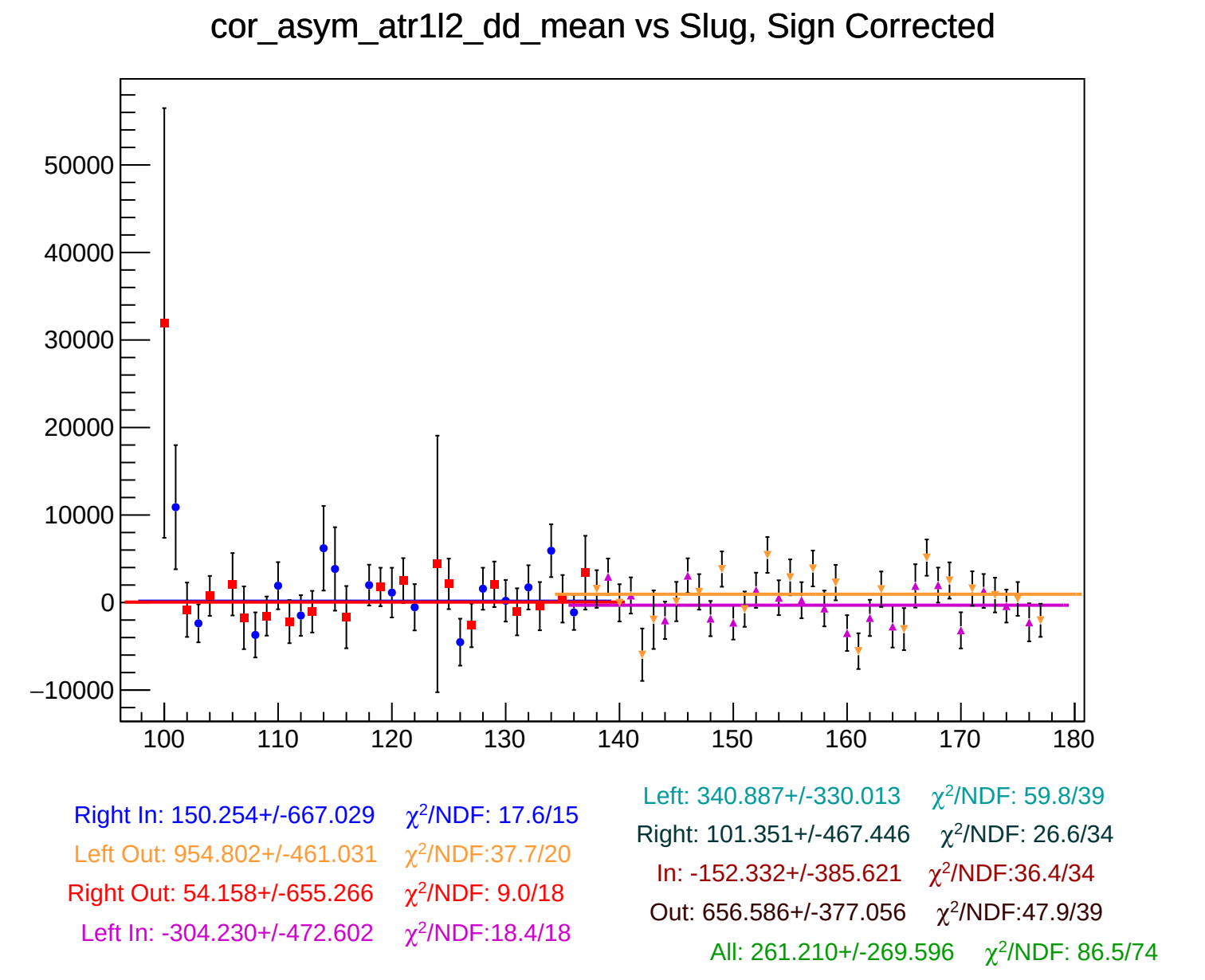
Left: 1203.827+/-0.257 χ^2/NDF: 41873409.3/39

Right: 1015.033+/-0.299 χ^2/NDF: 17532420.1/34

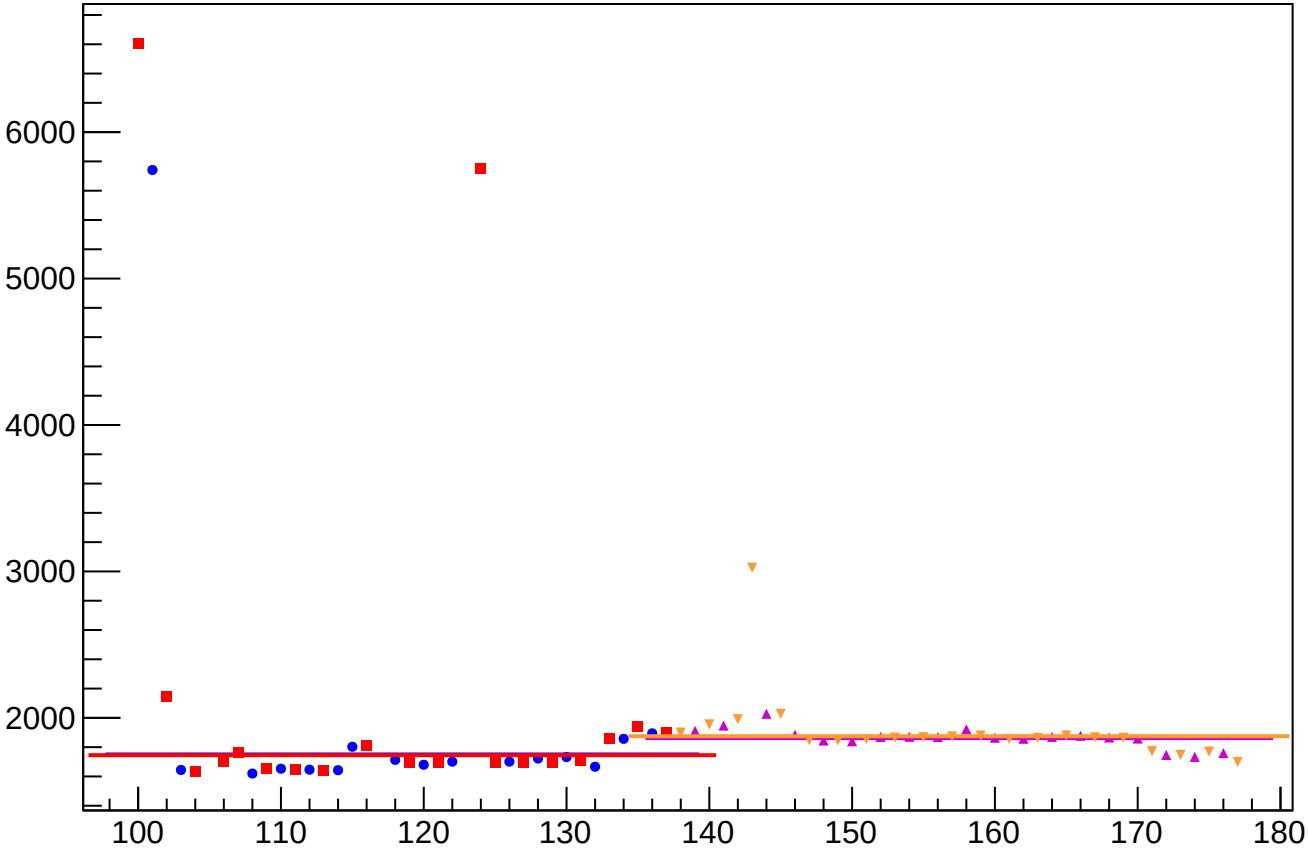
In: 3610.383+/-0.557 χ^2/NDF:3223468.1/34

Out: 775.963+/-0.208 χ^2/NDF:33673672.7/39

All: 1123.544+/-0.195 χ^2/NDF: 59634990.3/7


cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
180
Right In: 150.254+/-667.029 χ²/NDF: 17.6/15
Left Out: 954.802+/-461.031 χ²/NDF:37.7/20
Right Out: 54.158+/-655.266 χ²/NDF: 9.0/18
Left In: -304.230+/-472.602 χ²/NDF:18.4/18
Left: 340.887+/-330.013 χ²/NDF: 59.8/39
Right: 101.351+/-467.446 χ²/NDF: 26.6/34
In: -152.332+/-385.621 χ²/NDF:36.4/34
Out: 656.586+/-377.056 χ²/NDF:47.9/39
All: 261.210+/-269.596 χ²/NDF: 86.5/74

cor_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1874.728+/-0.326 χ^2/NDF:290017.3/20

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1861.811+/-0.334 χ^2/NDF:40004.3/18

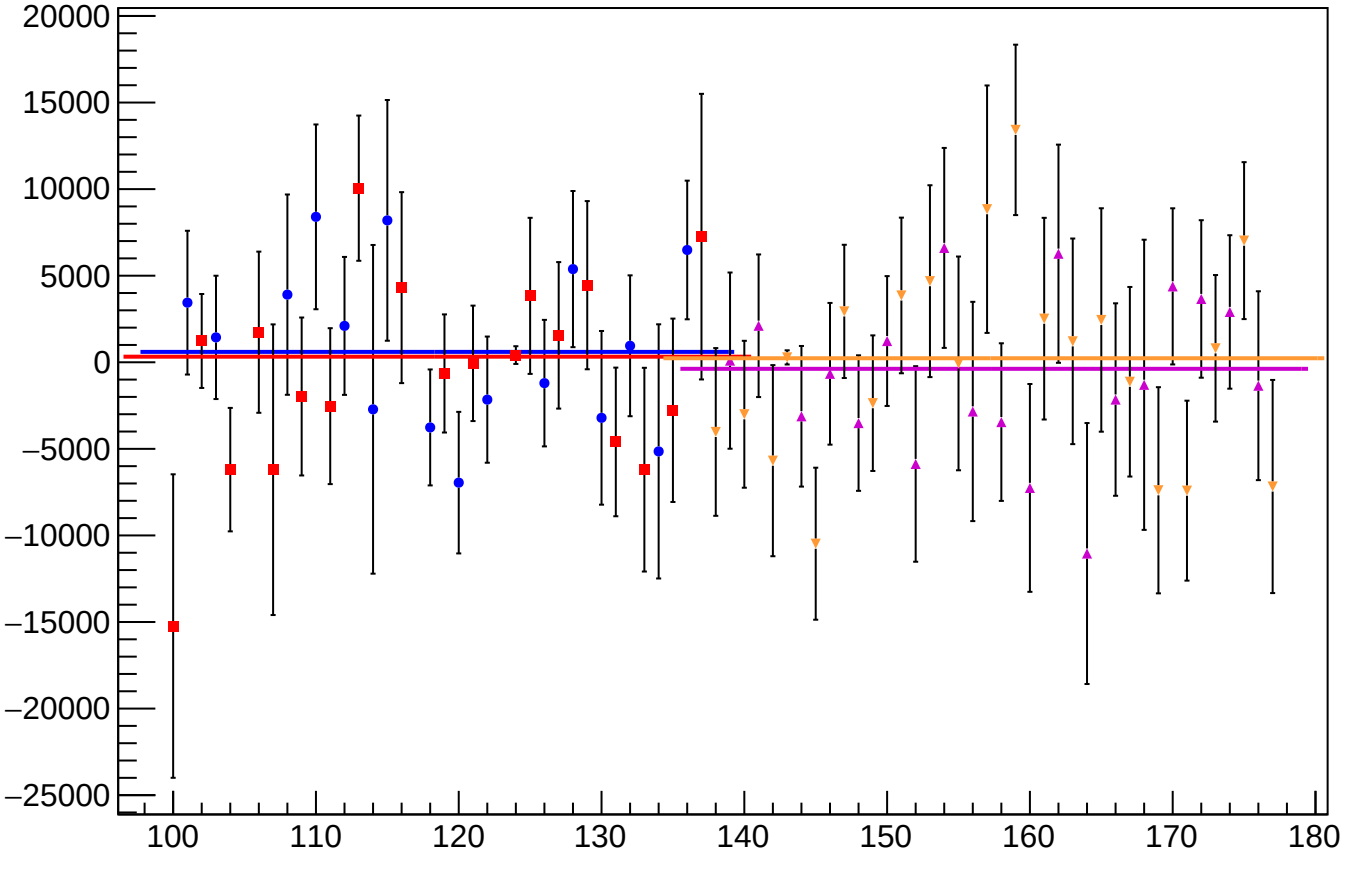
Left: 1868.430+/-0.233 χ^2/NDF: 330787.1/39

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1824.396+/-0.273 χ^2/NDF:747086.4/34

Out: 1831.620+/-0.266 χ^2/NDF:640540.6/39

All: 1828.094+/-0.191 χ^2/NDF: 1387986.2/74



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 232.601+/-384.320 χ^2/NDF:27.2/20

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -377.906+/-1126.371 χ^2/NDF:11.7/18

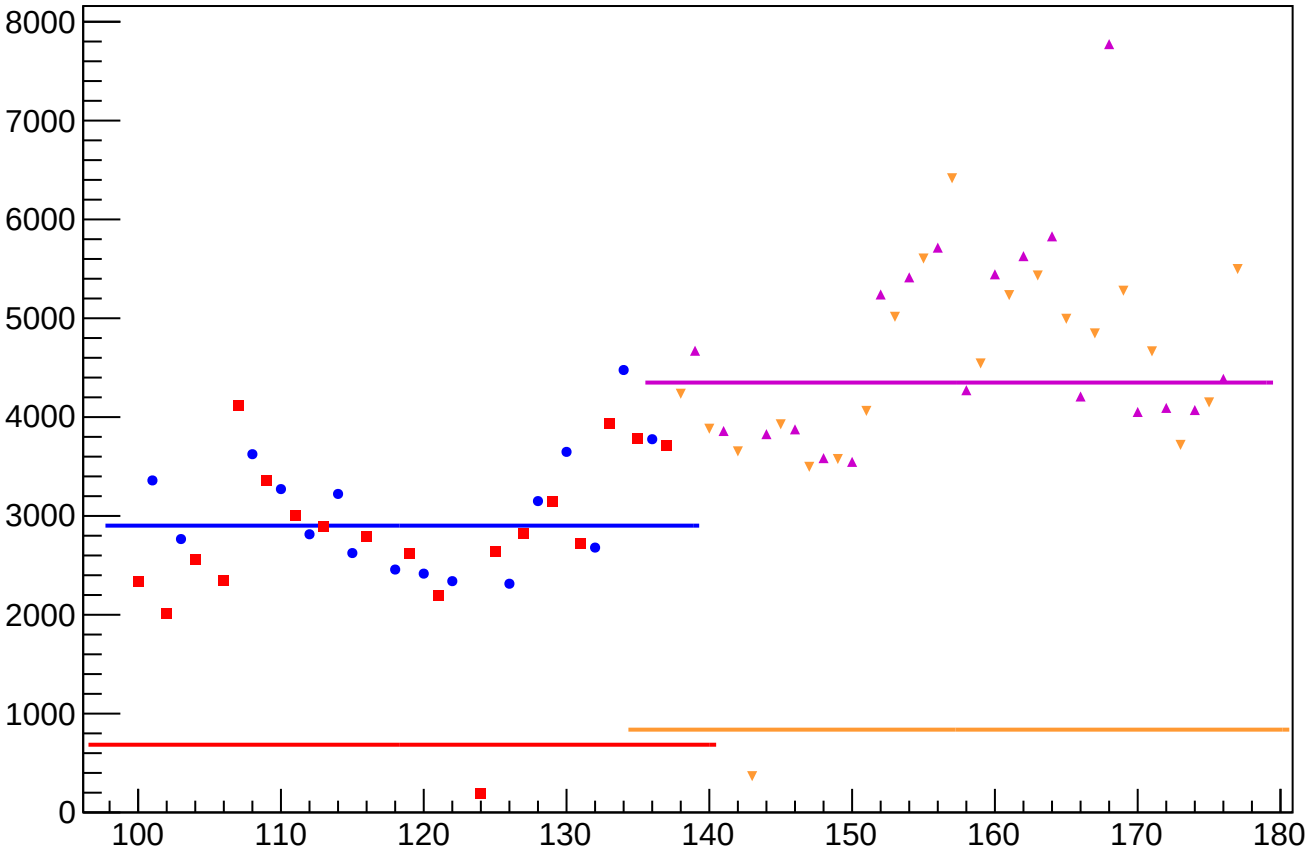
Left: 168.938+/-363.730 χ^2/NDF: 39.2/39

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 122.676+/-787.021 χ^2/NDF:26.9/34

Out: 269.938+/-294.631 χ^2/NDF:46.2/39

All: 251.837+/-275.929 χ^2/NDF: 73.2/74



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 837.789+/-0.272 χ^2/NDF:23398992.6/20

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 4349.410+/-0.796 χ^2/NDF:1059846.7/18

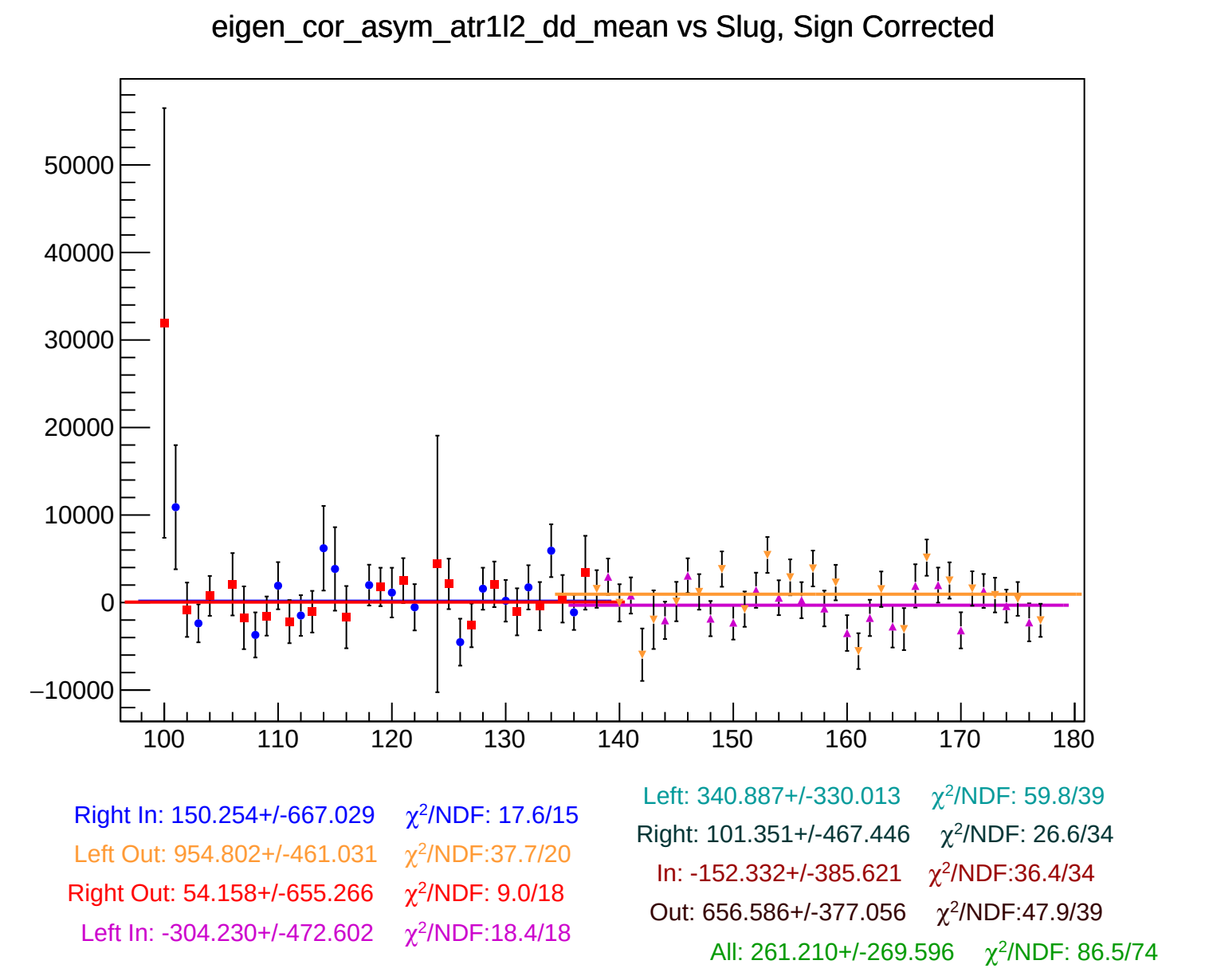
Left: 1203.977+/-0.257 χ^2/NDF: 41871091.0/39

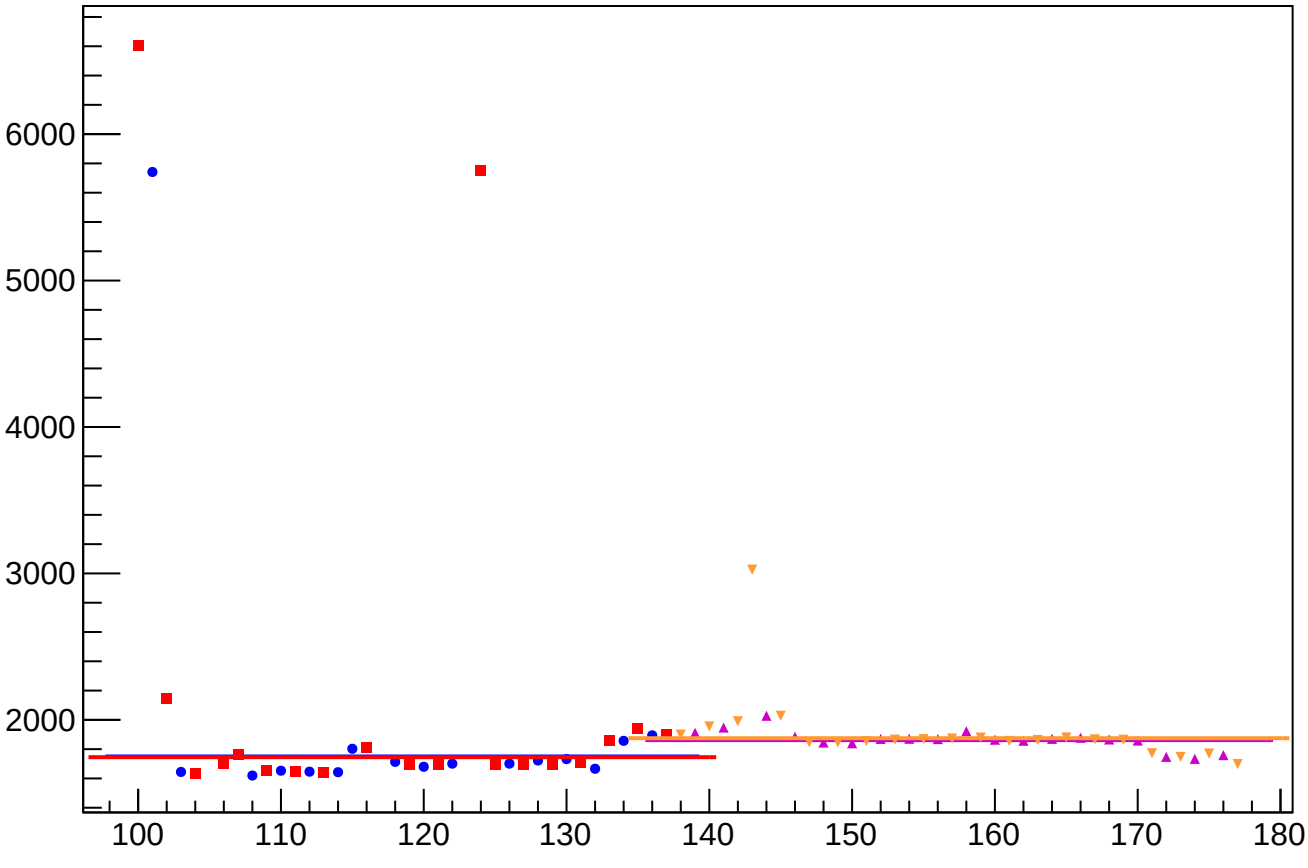
Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3608.574+/-0.557 χ^2/NDF:3231306.5/34

Out: 774.903+/-0.208 χ^2/NDF:33634675.6/39

All: 1123.218+/-0.195 χ^2/NDF: 59606219.0/7


eigen_cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
180
Right In: 150.254+/-667.029 χ²/NDF: 17.6/15
Left Out: 954.802+/-461.031 χ²/NDF:37.7/20
Right Out: 54.158+/-655.266 χ²/NDF: 9.0/18
Left In: -304.230+/-472.602 χ²/NDF:18.4/18
Left: 340.887+/-330.013 χ²/NDF: 59.8/39
Right: 101.351+/-467.446 χ²/NDF: 26.6/34
In: -152.332+/-385.621 χ²/NDF:36.4/34
Out: 656.586+/-377.056 χ²/NDF:47.9/39
All: 261.210+/-269.596 χ²/NDF: 86.5/74



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1874.728+/-0.326 χ^2/NDF:290017.3/20

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1861.811+/-0.334 χ^2/NDF:40004.3/18

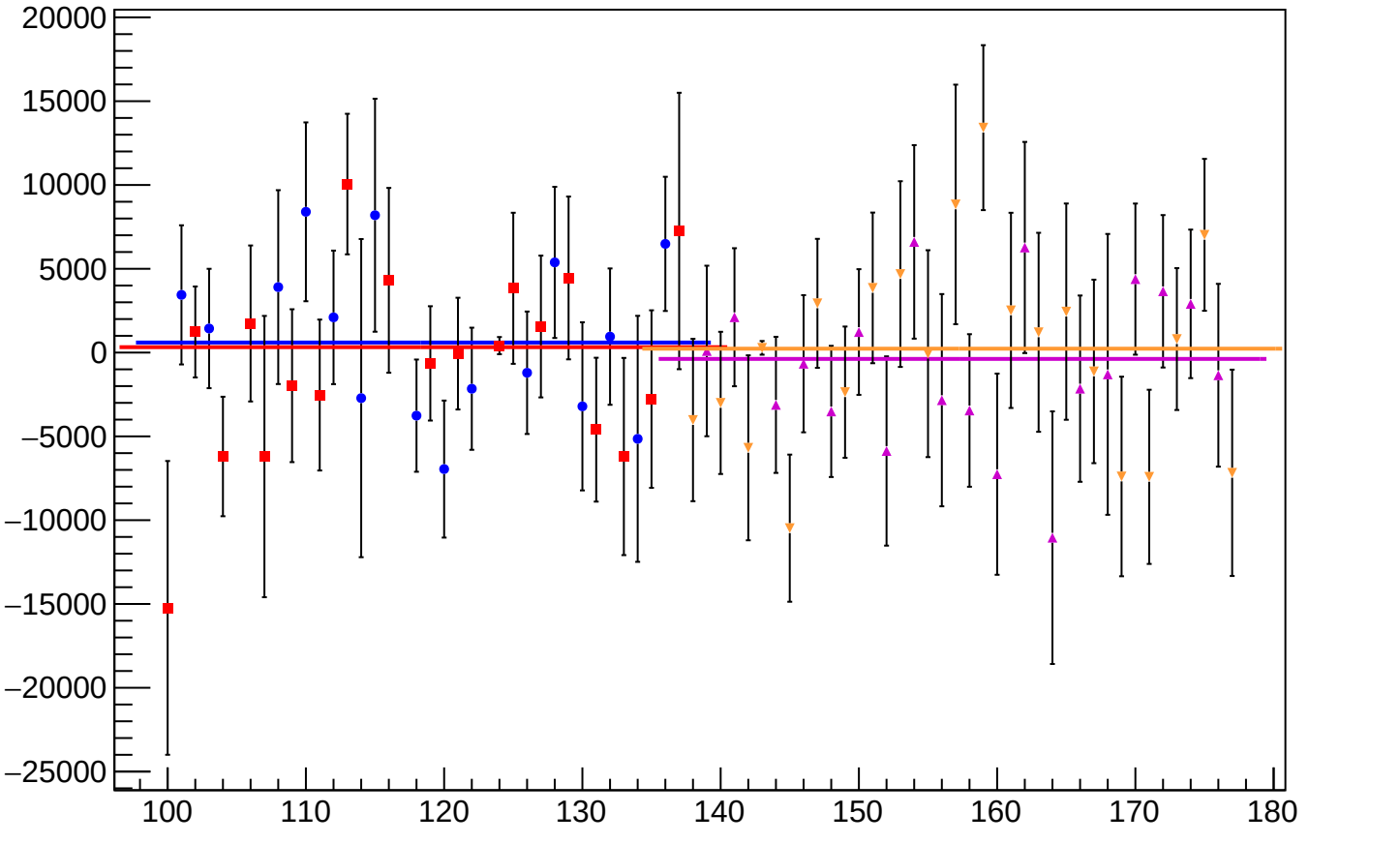
Left: 1868.430+/-0.233 χ^2/NDF: 330787.1/39

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1824.396+/-0.273 χ^2/NDF:747086.4/34

Out: 1831.620+/-0.266 χ^2/NDF:640540.6/39

All: 1828.094+/-0.191 χ^2/NDF: 1387986.2/74



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 232.601+/-384.320 χ^2/NDF:27.2/20

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -377.906+/-1126.371 χ^2/NDF:11.7/18

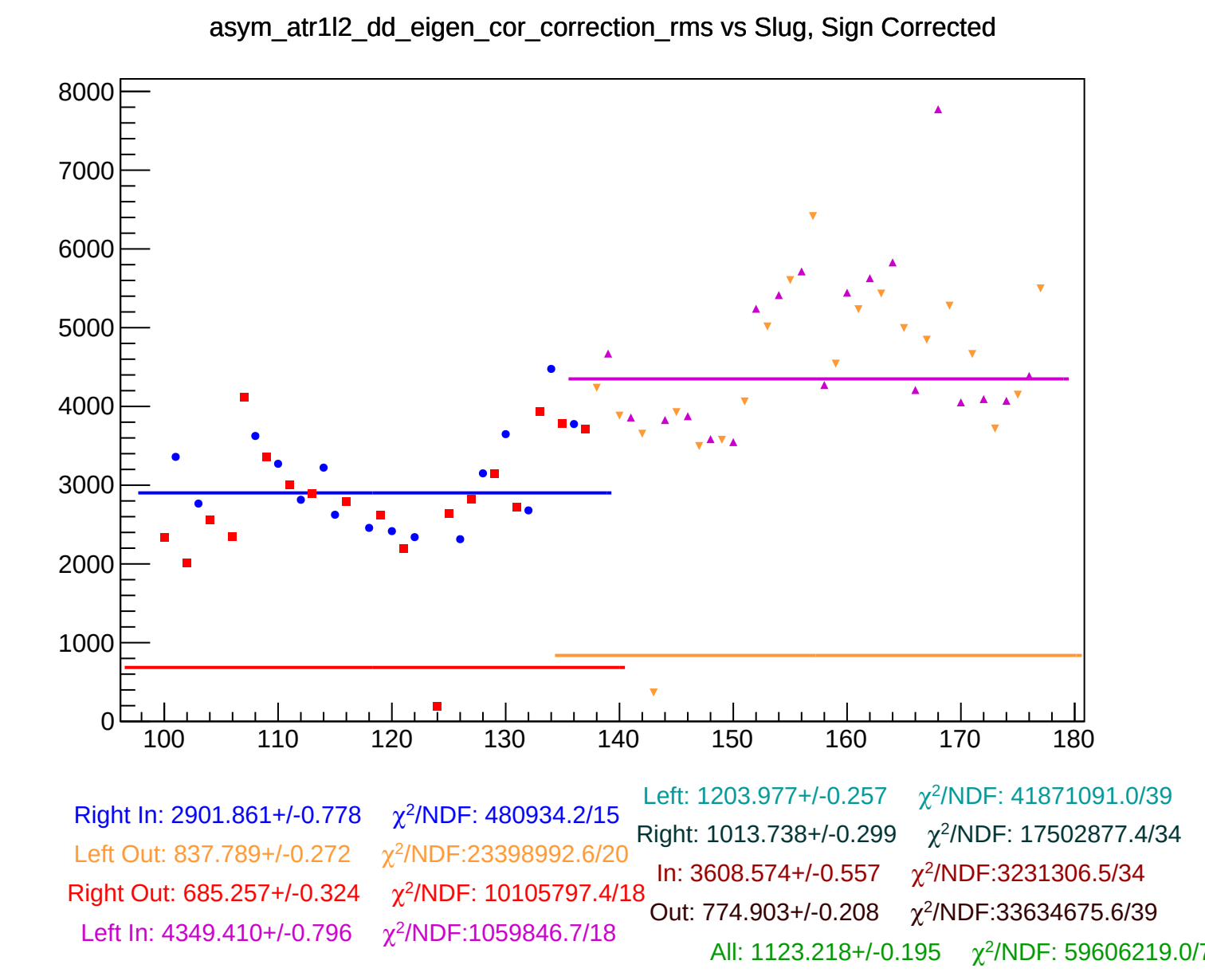
Left: 168.938+/-363.730 χ^2/NDF: 39.2/39

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

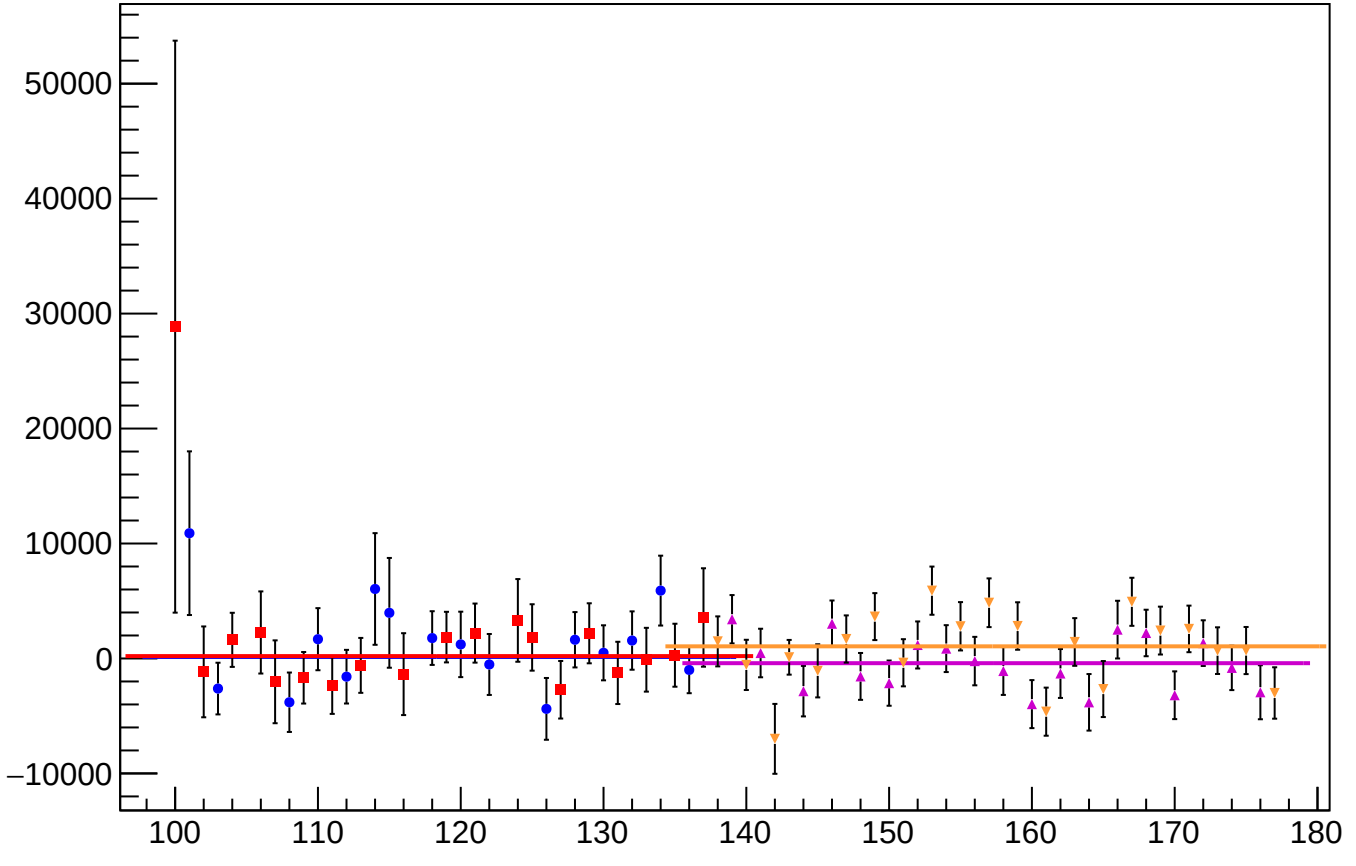
In: 122.676+/-787.021 χ^2/NDF:26.9/34

Out: 269.938+/-294.631 χ^2/NDF:46.2/39

All: 251.837+/-275.929 χ^2/NDF: 73.2/74


asym_atr1l2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
180
Right In: 2901.861+/-0.778 χ²/NDF: 480934.2/15
Left Out: 837.789+/-0.272 χ²/NDF:23398992.6/20
Right Out: 685.257+/-0.324 χ²/NDF: 10105797.4/18
Left In: 4349.410+/-0.796 χ²/NDF:1059846.7/18
Left: 1203.977+/-0.257 χ²/NDF: 41871091.0/39
Right: 1013.738+/-0.299 χ²/NDF: 17502877.4/34
In: 3608.574+/-0.557 χ²/NDF:3231306.5/34
Out: 774.903+/-0.208 χ²/NDF:33634675.6/39
All: 1123.218+/-0.195 χ²/NDF: 59606219.0/7

dit_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1055.584+/-456.682 χ^2/NDF:38.5/20

Right Out: 205.424+/-654.444 χ^2/NDF: 9.7/18

Left In: -409.546+/-482.753 χ^2/NDF:21.6/18

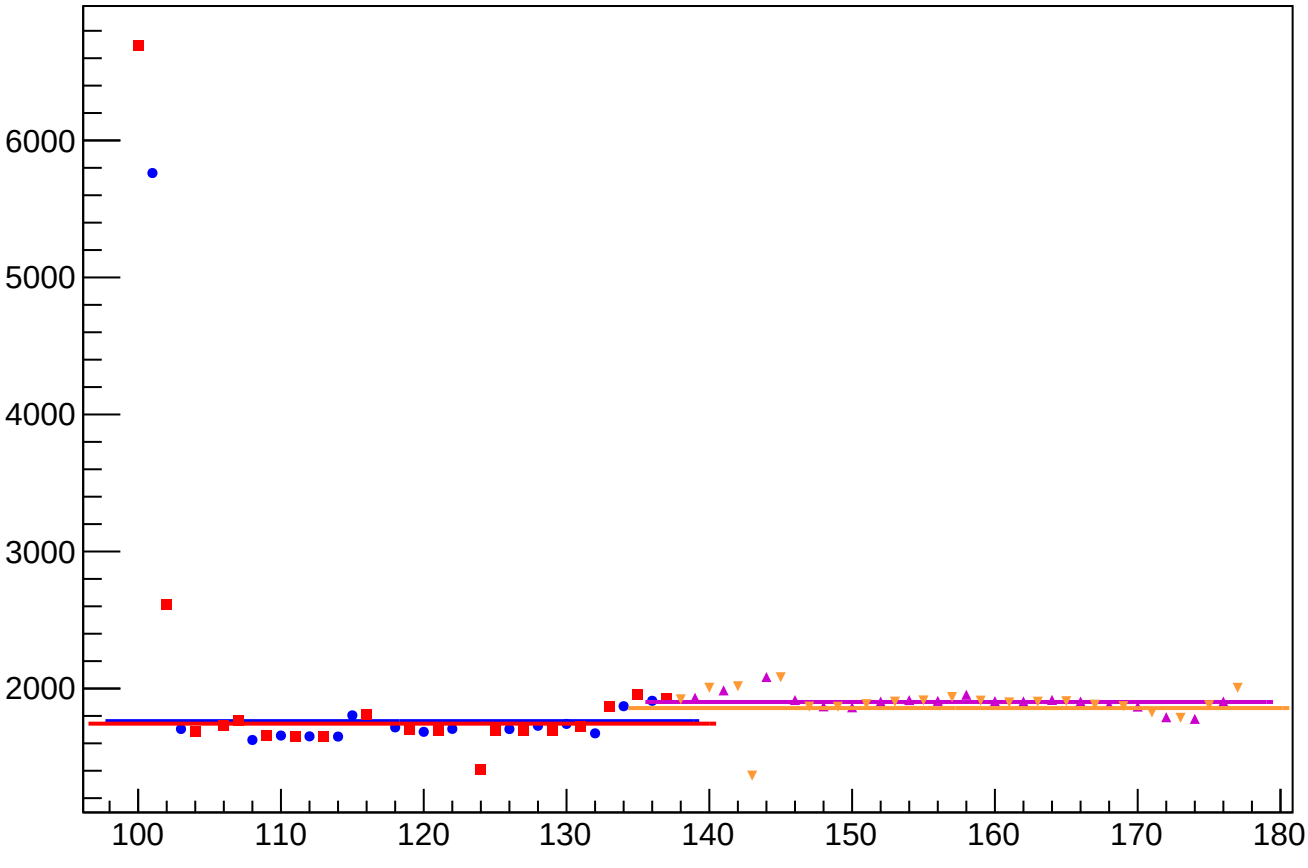
Left: 363.646+/-331.757 χ^2/NDF: 65.0/39

Right: 170.558+/-468.717 χ^2/NDF: 27.0/34

In: -224.440+/-391.995 χ^2/NDF:39.3/34

Out: 777.172+/-374.512 χ^2/NDF:49.4/39

All: 299.200+/-270.790 χ^2/NDF: 92.1/74



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1857.330+/-0.323 χ^2/NDF:270648.8/20

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1901.885+/-0.341 χ^2/NDF:35415.0/18

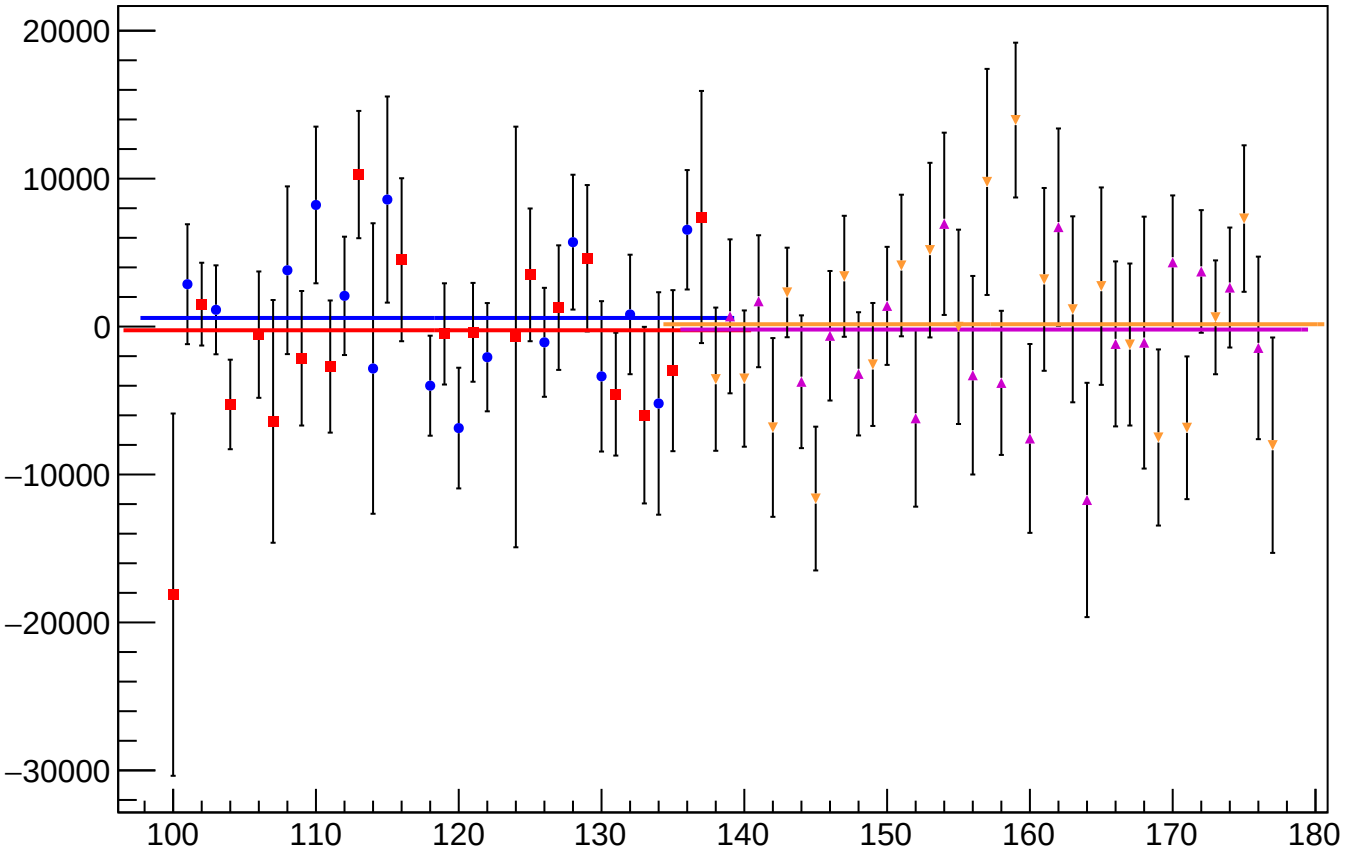
Left: 1878.372+/-0.235 χ^2/NDF: 315054.6/39

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1854.250+/-0.277 χ^2/NDF:760274.9/34

Out: 1819.981+/-0.265 χ^2/NDF:539100.1/39

All: 1836.318+/-0.191 χ^2/NDF: 1307373.3/74



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: 157.741+/-1090.310 χ^2/NDF:27.5/20

Right Out: -250.224+/-1021.012 χ^2/NDF: 17.9/18

Left In: -201.662+/-1169.318 χ^2/NDF:11.6/18

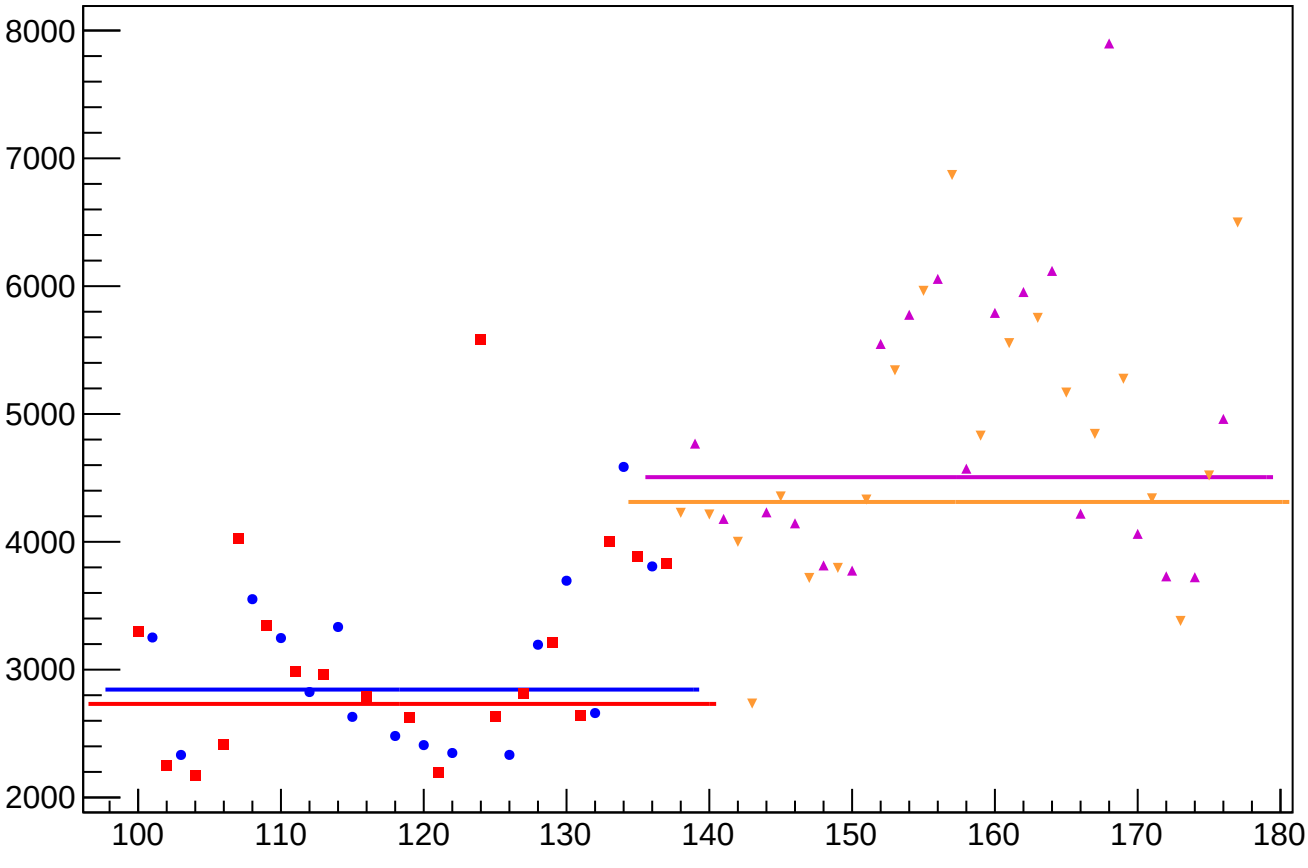
Left: -9.409+/-797.435 χ^2/NDF: 39.2/39

Right: 142.078+/-742.422 χ^2/NDF: 33.1/34

In: 220.825+/-793.961 χ^2/NDF:26.7/34

Out: -59.617+/-745.260 χ^2/NDF:45.5/39

All: 71.739+/-543.380 χ^2/NDF: 72.4/74



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 4311.935+/-0.771 χ^2/NDF:1645098.7/20

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

Left In: 4505.903+/-0.827 χ^2/NDF:1168252.0/18

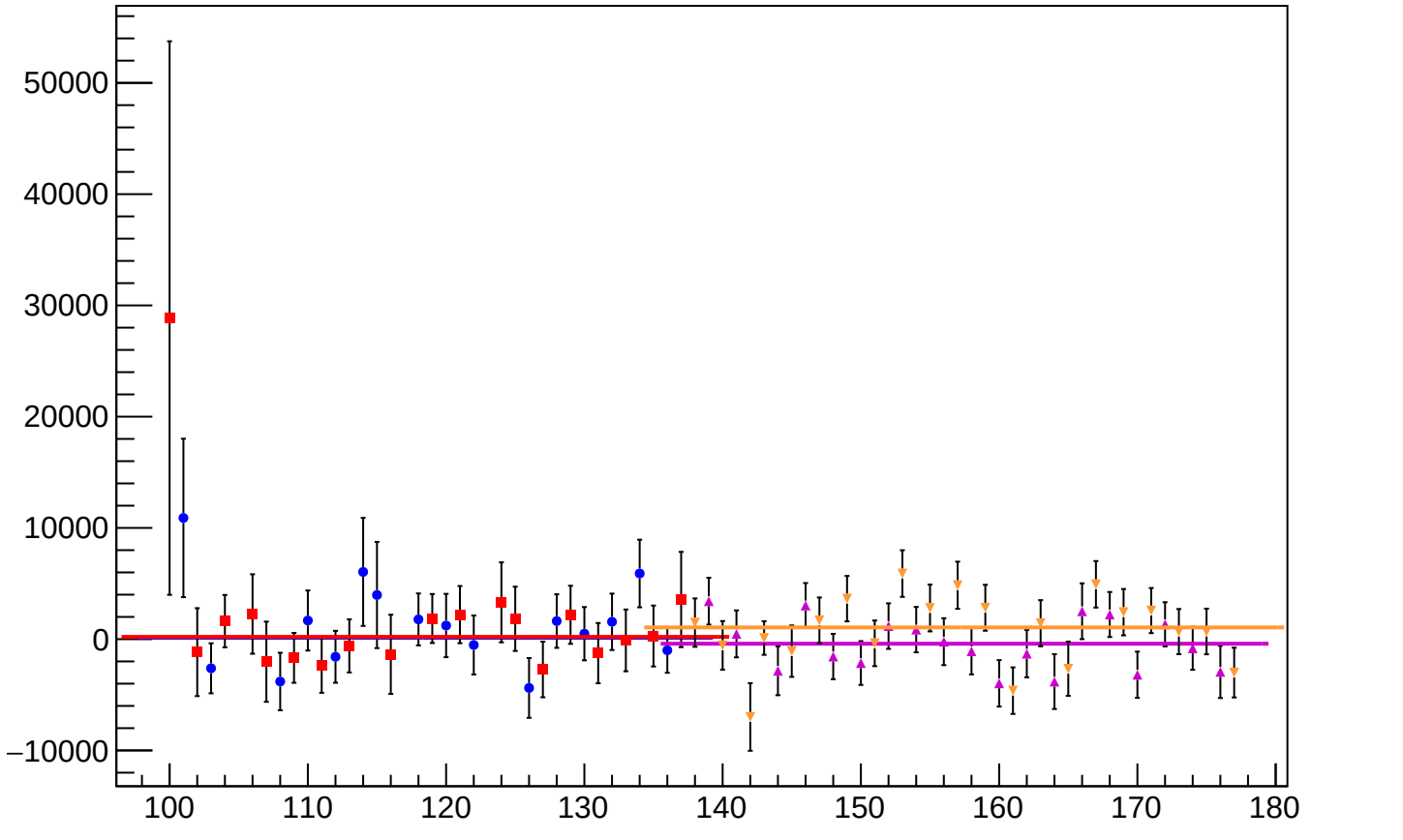
Left: 4402.145+/-0.564 χ^2/NDF: 2842789.3/39

Right: 2784.841+/-0.525 χ^2/NDF: 1164684.5/34

In: 3610.277+/-0.561 χ^2/NDF:3887280.1/34

Out: 3470.155+/-0.527 χ^2/NDF:4493931.7/39

All: 3535.787+/-0.384 χ^2/NDF: 8414327.6/74



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1055.586+/-456.683 χ^2/NDF:38.5/20

Right Out: 205.422+/-654.444 χ^2/NDF: 9.7/18

Left In: -409.547+/-482.753 χ^2/NDF:21.6/18

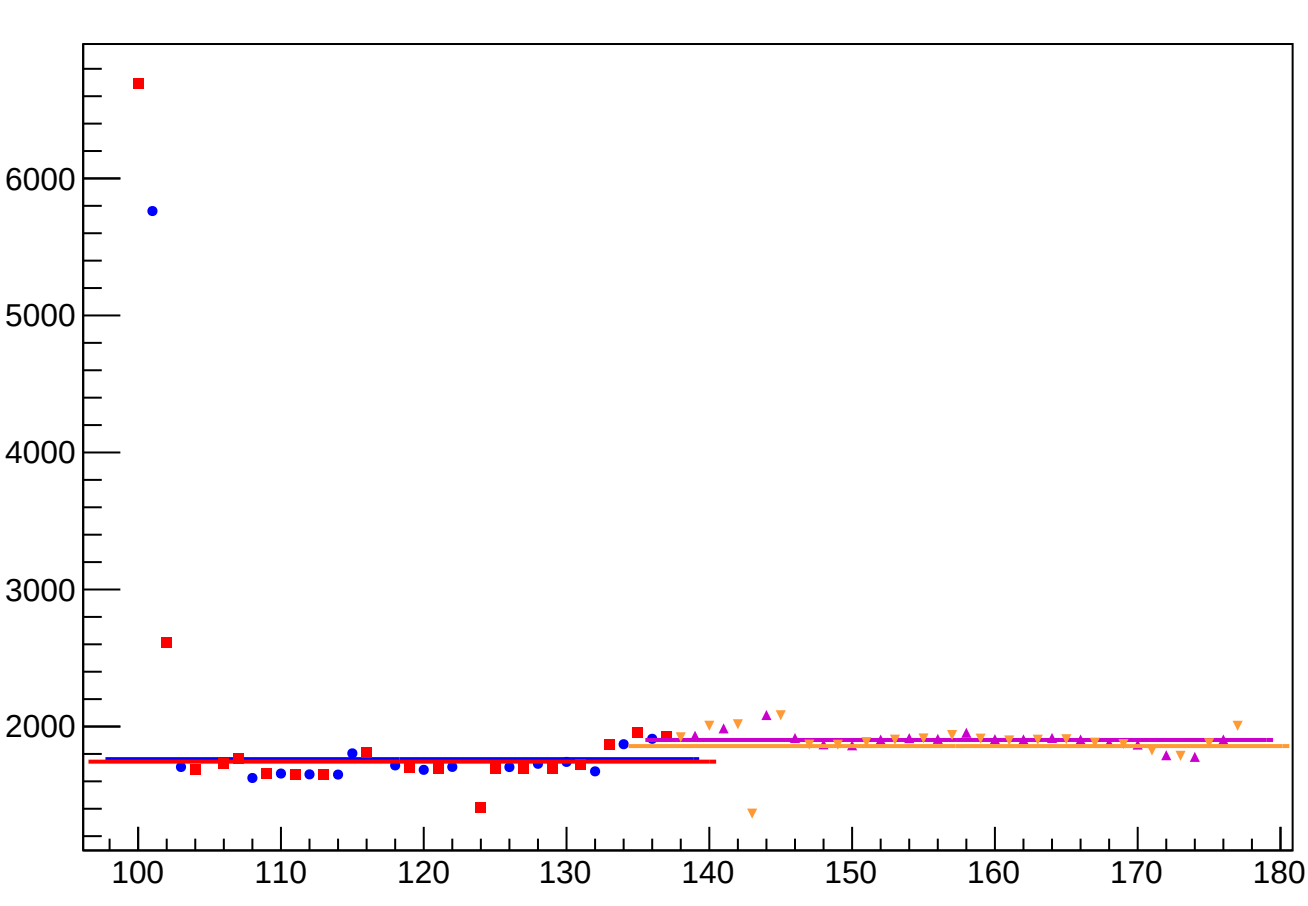
Left: 363.647+/-331.757 χ^2/NDF: 65.0/39

Right: 170.557+/-468.717 χ^2/NDF: 27.0/34

In: -224.441+/-391.996 χ^2/NDF:39.3/34

Out: 777.173+/-374.513 χ^2/NDF:49.4/39

All: 299.199+/-270.790 χ^2/NDF: 92.1/74



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1857.331+/-0.323 χ^2/NDF:270651.4/20

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1901.886+/-0.341 χ^2/NDF:35416.2/18

Left: 1878.373+/-0.235 χ^2/NDF: 315058.2/39

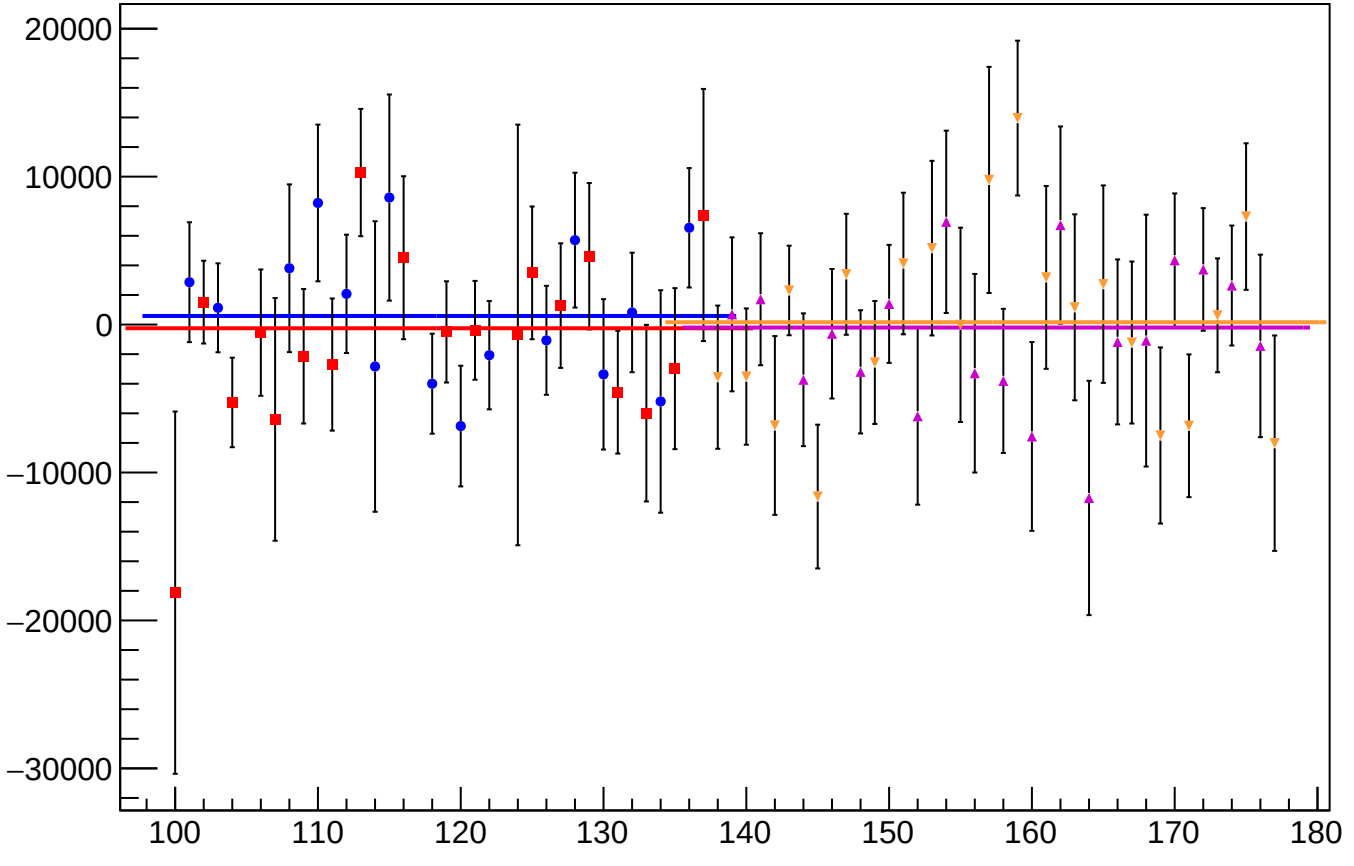
Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1854.251+/-0.277 χ^2/NDF:760276.5/34

Out: 1819.982+/-0.265 χ^2/NDF:539103.2/39

All: 1836.319+/-0.191 χ^2/NDF: 1307378.0/74

asym_atr1l2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: 157.744+/-1090.311 χ^2/NDF:27.5/20

Right Out: -250.225+/-1021.010 χ^2/NDF: 17.9/18

Left In: -201.663+/-1169.320 χ^2/NDF:11.6/18

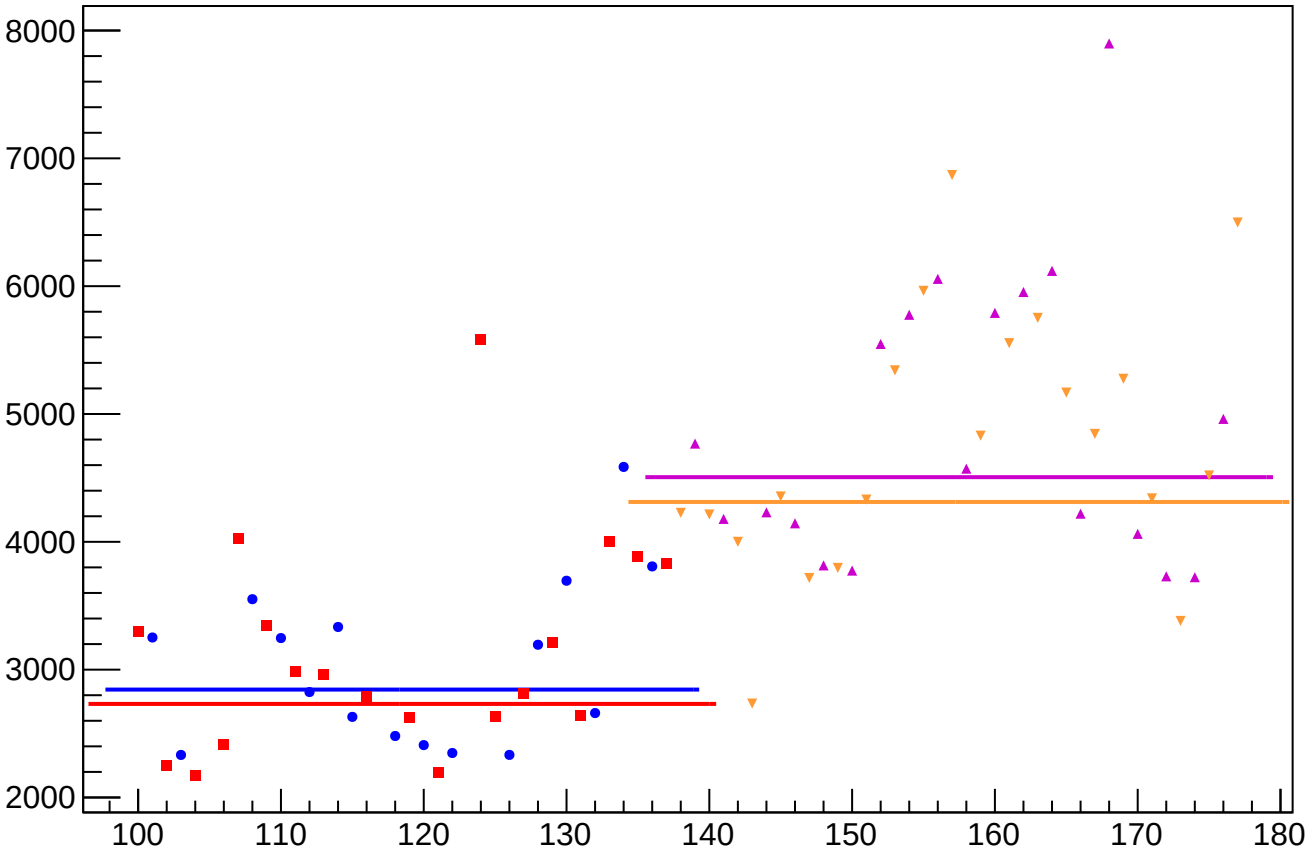
Left: -9.408+/-797.436 χ^2/NDF: 39.2/39

Right: 142.075+/-742.420 χ^2/NDF: 33.1/34

In: 220.824+/-793.961 χ^2/NDF:26.7/34

Out: -59.617+/-745.259 χ^2/NDF:45.5/39

All: 71.739+/-543.380 χ^2/NDF: 72.4/74



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 4311.942+/-0.771 χ^2/NDF:1645102.8/20

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

Left In: 4505.911+/-0.827 χ^2/NDF:1168251.6/18

Left: 4402.153+/-0.564 χ^2/NDF: 2842793.1/39

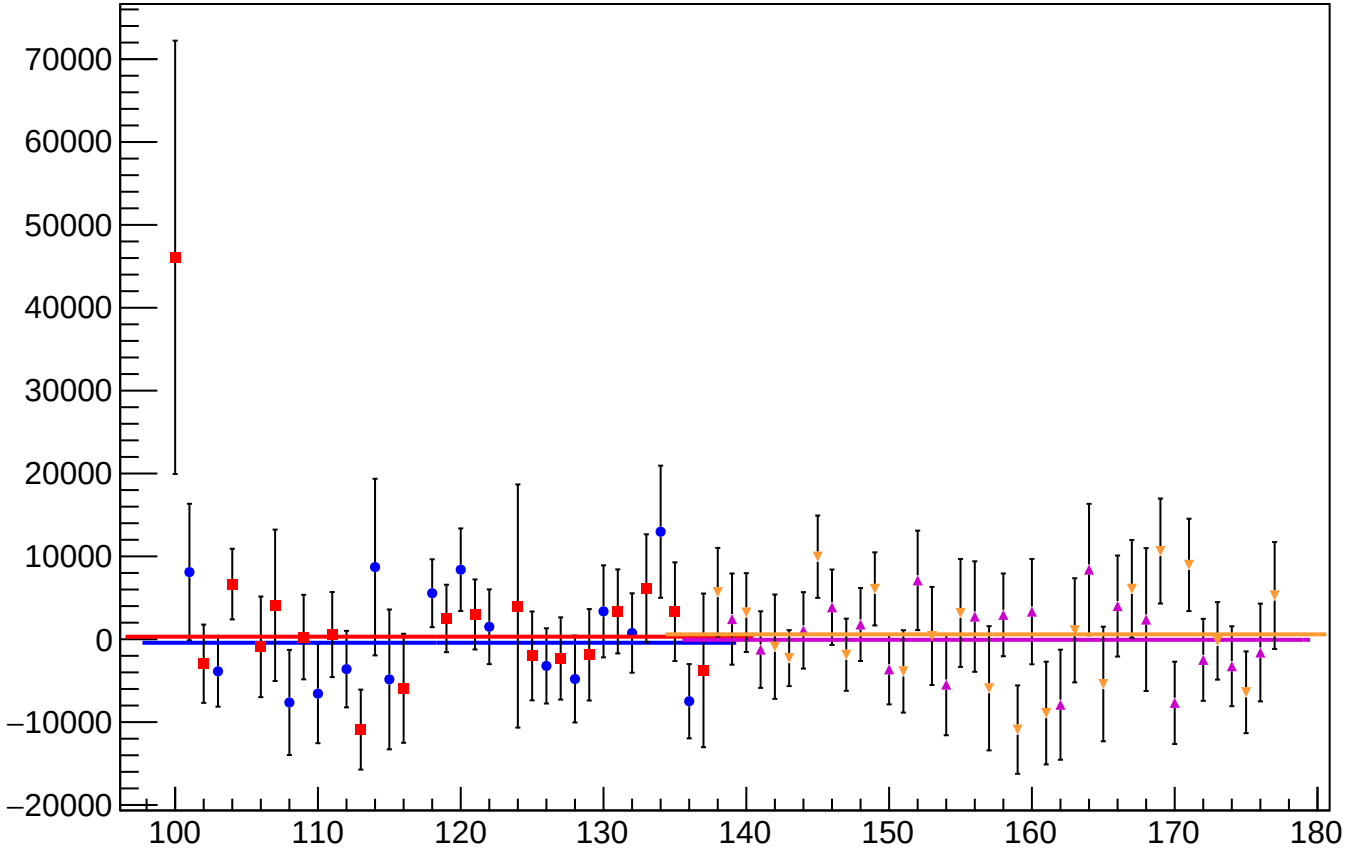
Right: 2784.835+/-0.525 χ^2/NDF: 1164685.2/34

In: 3610.273+/-0.561 χ^2/NDF:3887325.0/34

Out: 3470.152+/-0.527 χ^2/NDF:4493969.0/39

All: 3535.784+/-0.384 χ^2/NDF: 8414409.3/74

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: 592.360+/-1153.380 χ^2/NDF:25.1/20

Right Out: 307.823+/-1275.718 χ^2/NDF: 15.3/18

Left In: -68.430+/-1233.966 χ^2/NDF:11.2/18

Left: 284.244+/-842.612 χ^2/NDF: 36.4/39

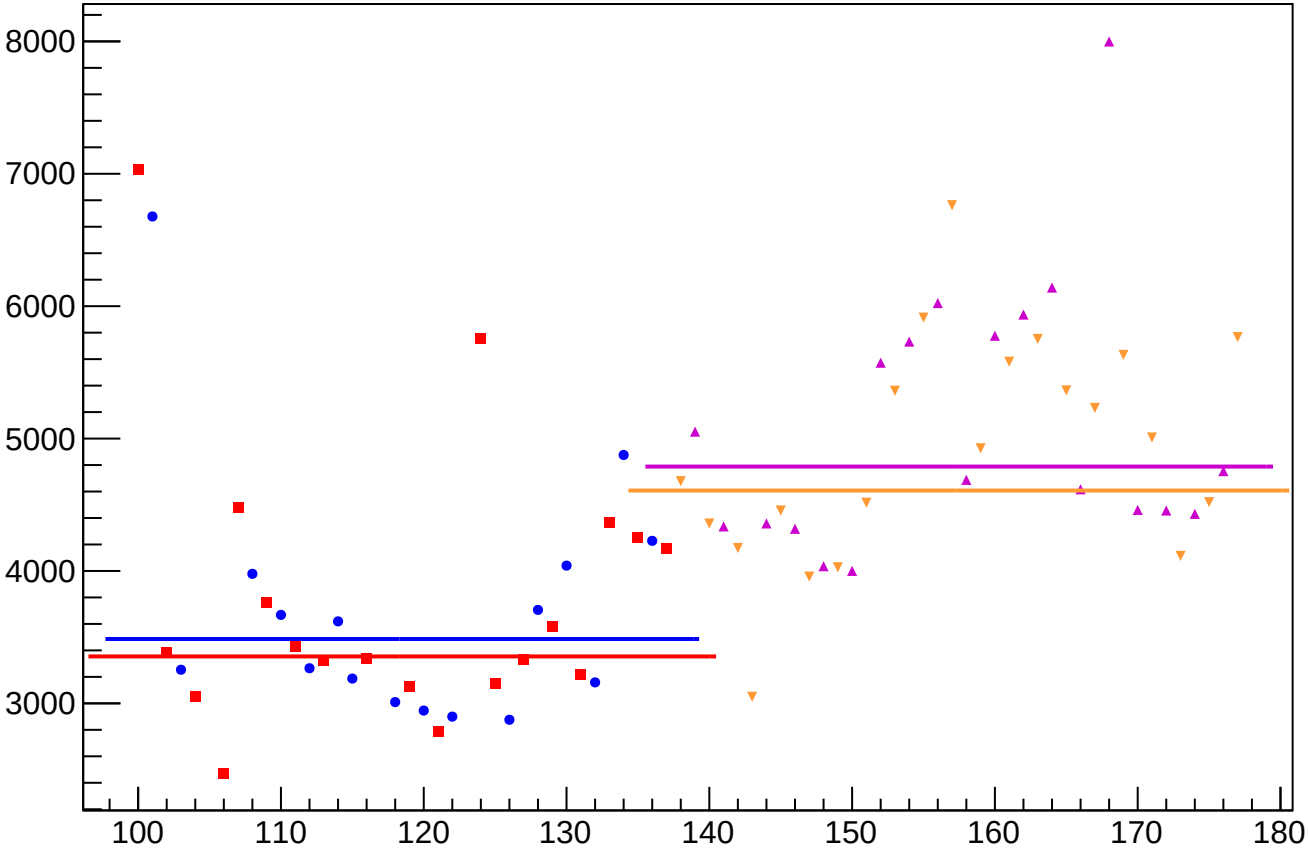
Right: -43.186+/-919.750 χ^2/NDF: 33.3/34

In: -232.878+/-903.728 χ^2/NDF:29.1/34

Out: 464.385+/-855.553 χ^2/NDF:40.4/39

All: 134.833+/-621.301 χ^2/NDF: 69.8/74

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 4607.549+/-0.816 χ^2/NDF:1120636.1/20

Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

Left In: 4788.468+/-0.873 χ^2/NDF:815745.6/18

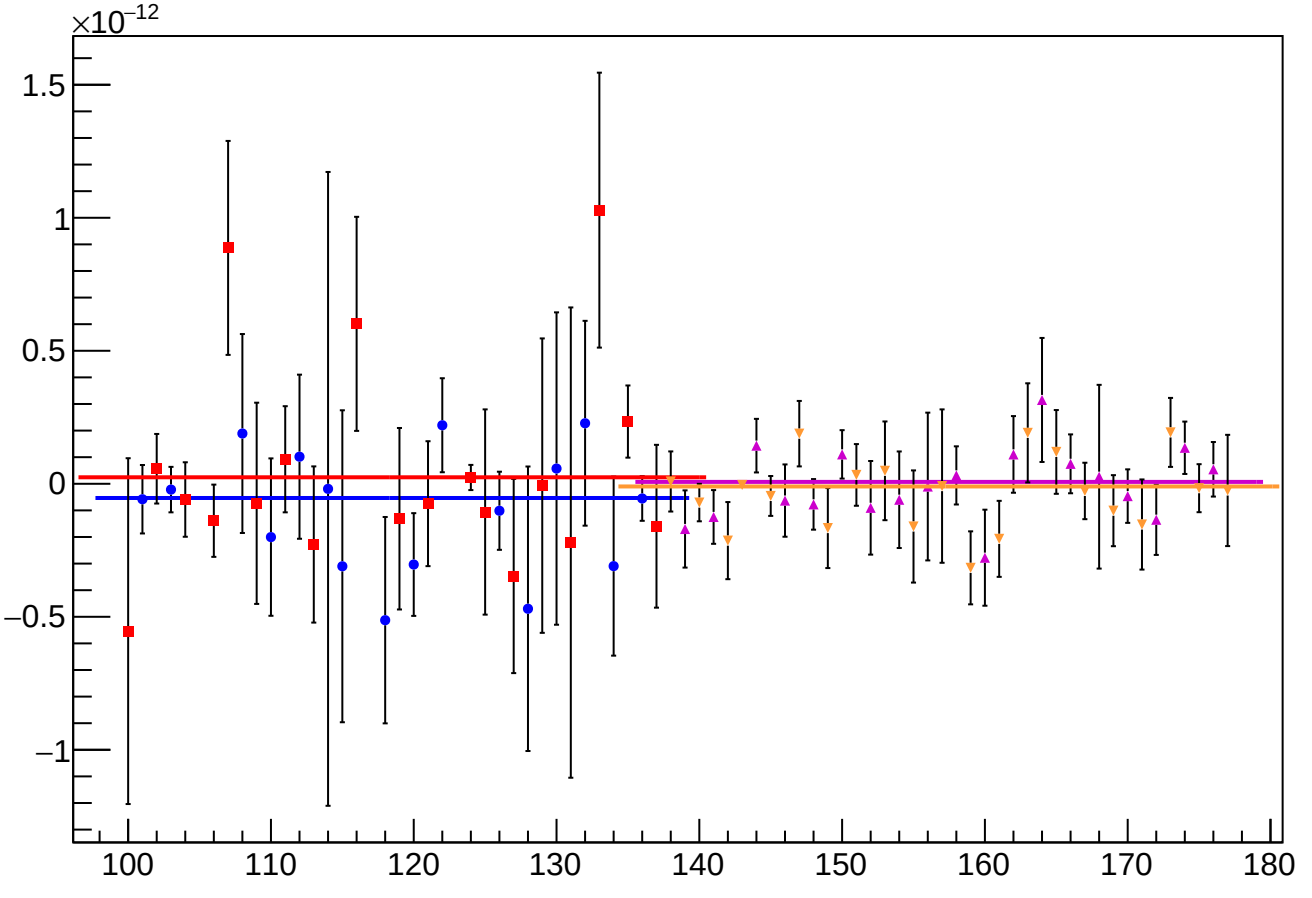
Left: 4691.909+/-0.596 χ^2/NDF: 1959327.4/39

Right: 3416.767+/-0.646 χ^2/NDF: 982597.4/34

In: 4184.690+/-0.639 χ^2/NDF:2444328.3/34

Out: 4035.221+/-0.601 χ^2/NDF:2575324.2/39

All: 4105.391+/-0.438 χ^2/NDF: 5048677.3/74



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.0/20

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:16.3/18

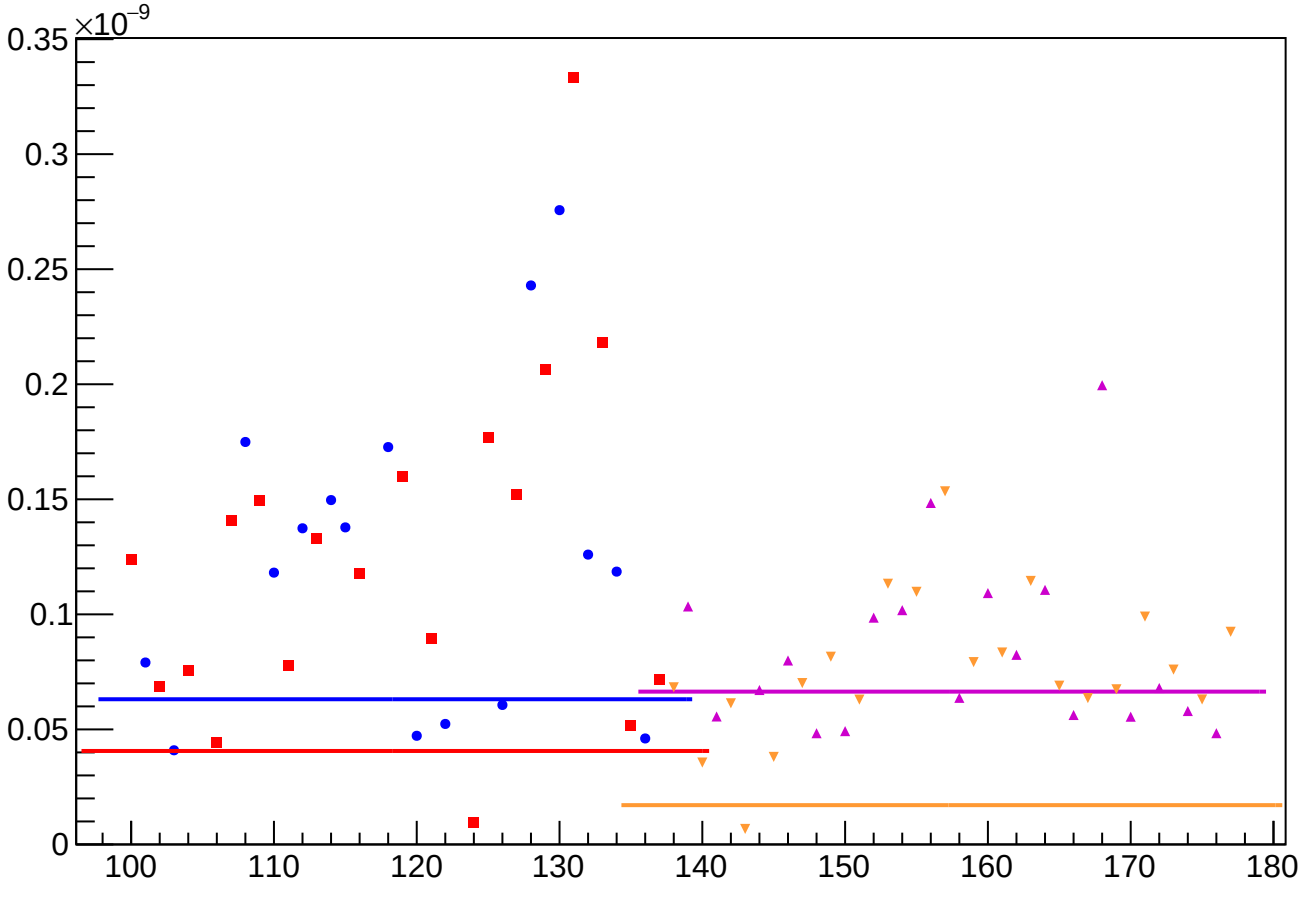
Left: -0.000+/-0.000 χ^2/NDF: 36.6/39

Right: -0.000+/-0.000 χ^2/NDF: 28.8/34

In: -0.000+/-0.000 χ^2/NDF:26.2/34

Out: -0.000+/-0.000 χ^2/NDF:39.2/39

All: -0.000+/-0.000 χ^2/NDF: 65.5/74



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:8532198.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1258555.5/18

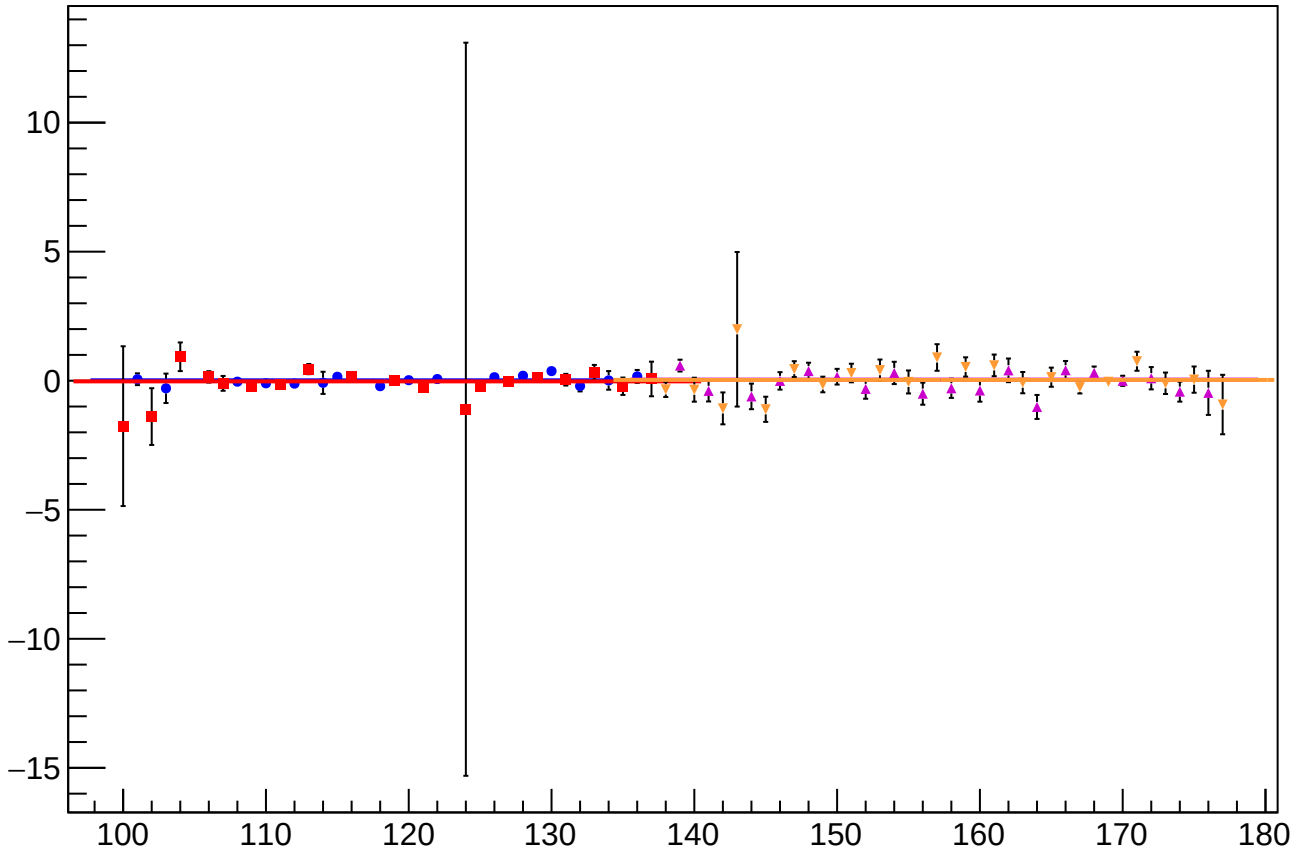
Left: 0.000+/-0.000 χ^2/NDF: 14916758.9/39

Right: 0.000+/-0.000 χ^2/NDF: 4914964.6/34

In: 0.000+/-0.000 χ^2/NDF:2698436.6/34

Out: 0.000+/-0.000 χ^2/NDF:12488851.2/39

All: 0.000+/-0.000 χ^2/NDF: 21260475.7/74



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.031+/-0.079 χ^2/NDF:27.6/20

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.042+/-0.079 χ^2/NDF:24.3/18

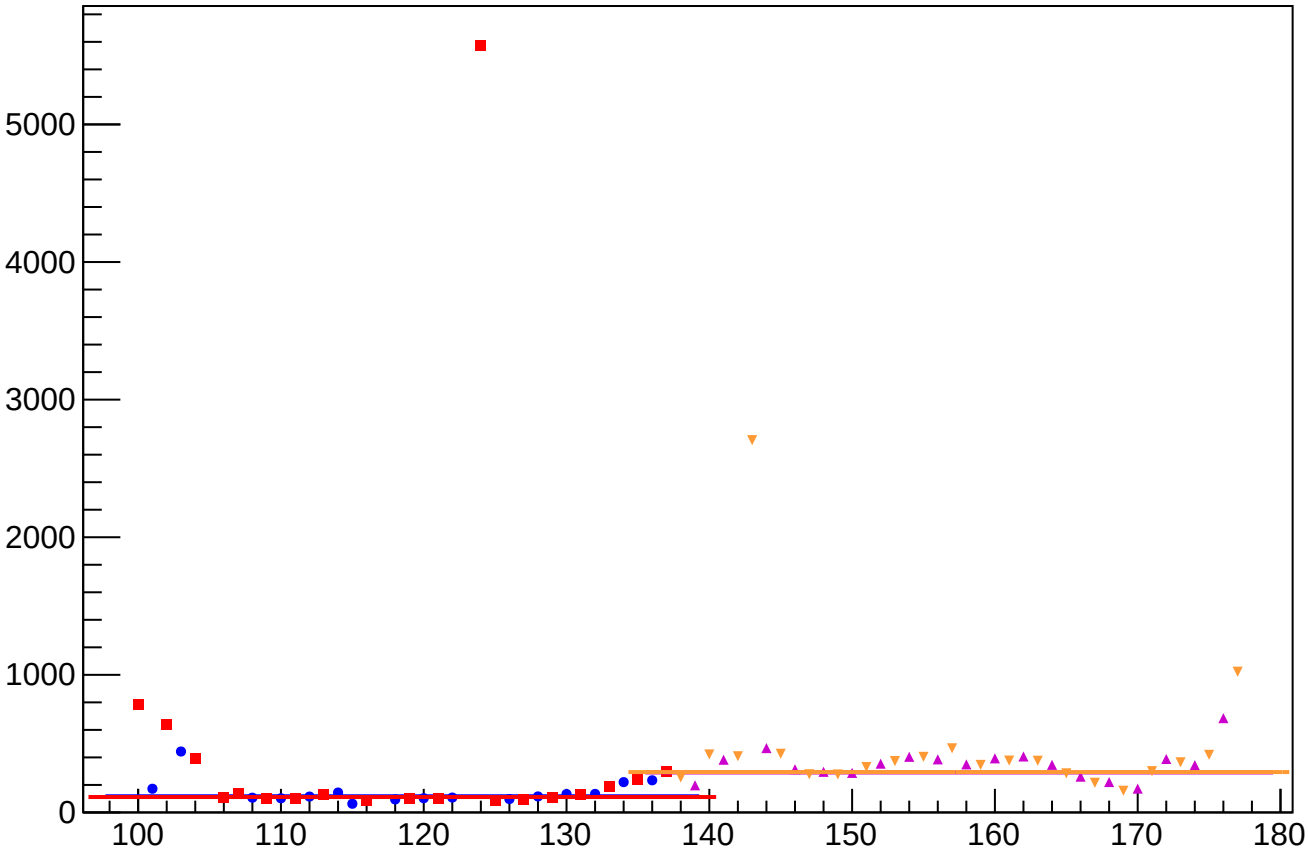
Left: 0.037+/-0.056 χ^2/NDF: 51.9/39

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.022+/-0.041 χ^2/NDF:36.1/34

Out: -0.011+/-0.040 χ^2/NDF:50.1/39

All: 0.006+/-0.029 χ^2/NDF: 86.6/74



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 293.442+/-0.056 χ^2/NDF:4715087.9/20

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 290.588+/-0.056 χ^2/NDF:2778160.9/18

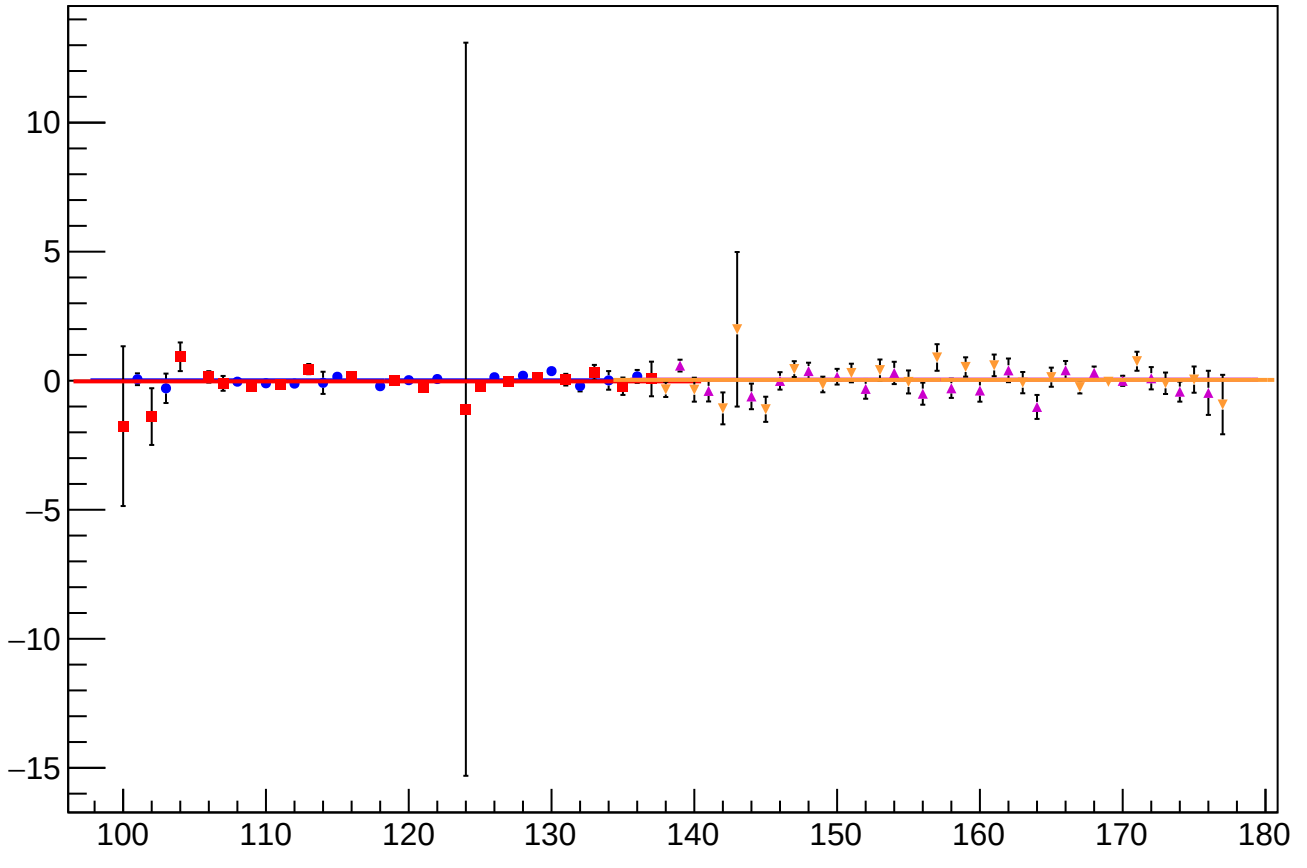
Left: 292.002+/-0.039 χ^2/NDF: 7494557.6/39

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 164.534+/-0.029 χ^2/NDF:11570221.8/34

Out: 159.089+/-0.029 χ^2/NDF:14663366.0/39

All: 161.773+/-0.020 χ^2/NDF: 26251563.1/74



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.031+/-0.079 χ^2/NDF:27.6/20

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.042+/-0.079 χ^2/NDF:24.3/18

Left: 0.037+/-0.056 χ^2/NDF: 51.9/39

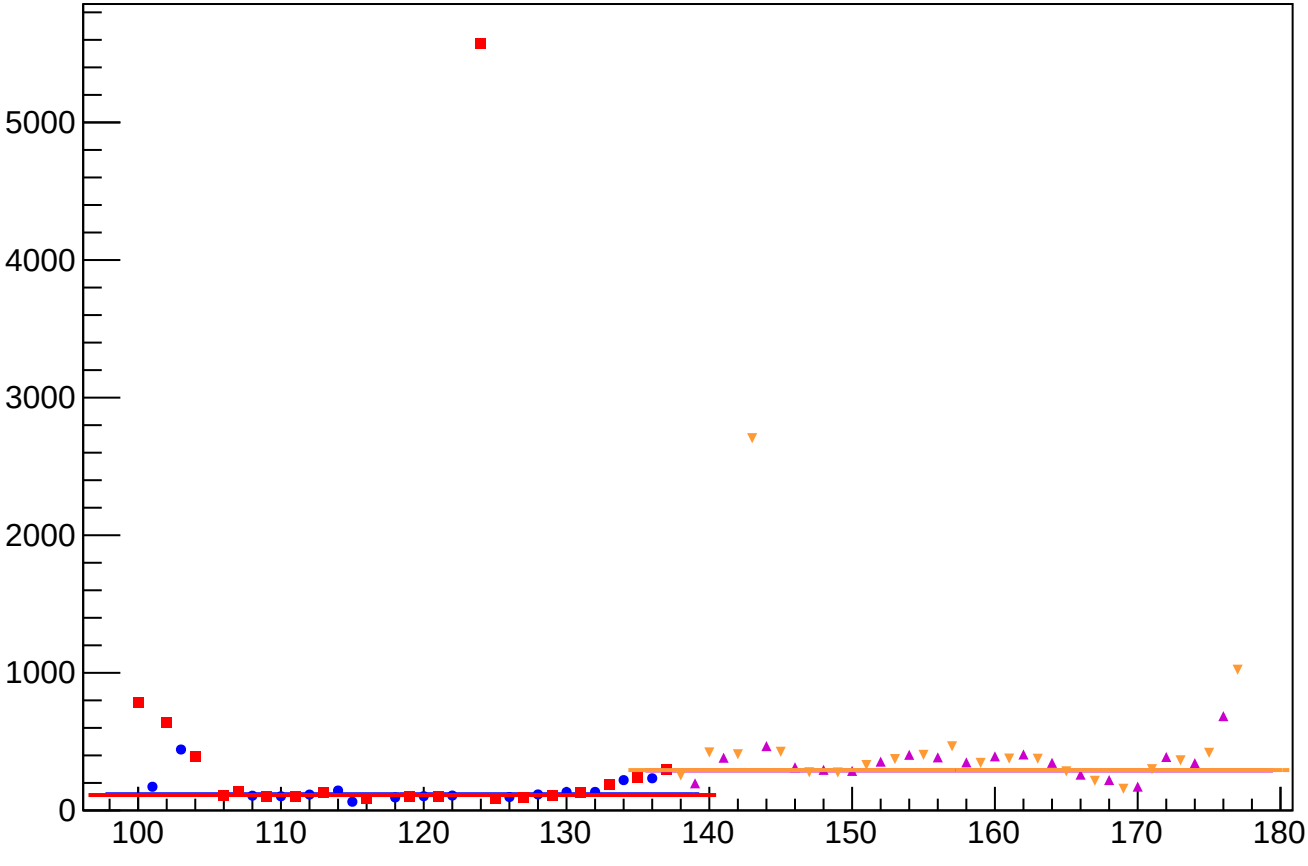
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.022+/-0.041 χ^2/NDF:36.1/34

Out: -0.011+/-0.040 χ^2/NDF:50.1/39

All: 0.006+/-0.029 χ^2/NDF: 86.6/74

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 293.442+/-0.056 χ^2/NDF:4715087.9/20

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 290.588+/-0.056 χ^2/NDF:2778160.9/18

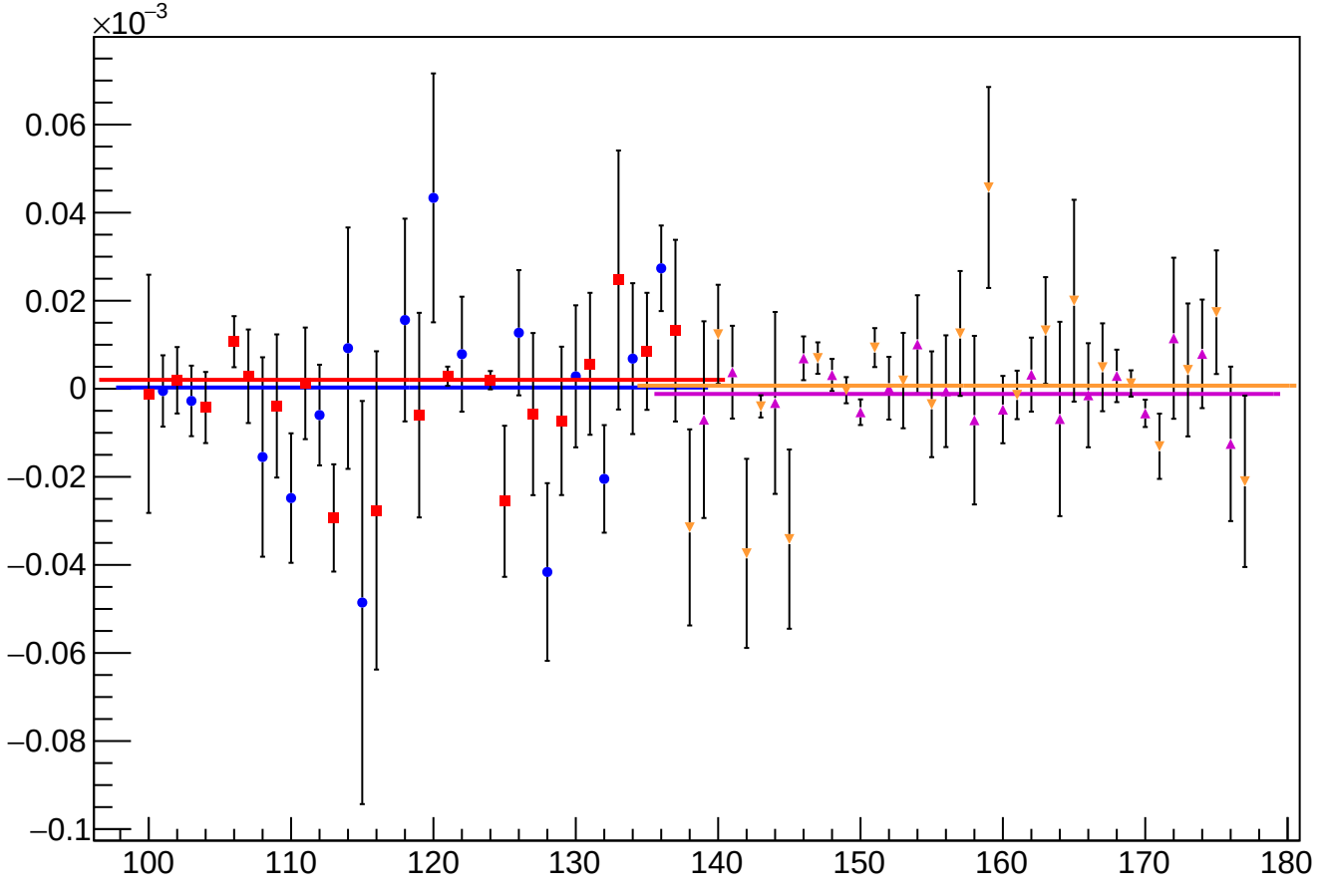
Left: 292.002+/-0.039 χ^2/NDF: 7494557.6/39

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 164.534+/-0.029 χ^2/NDF:11570221.8/34

Out: 159.089+/-0.029 χ^2/NDF:14663366.0/39

All: 161.773+/-0.020 χ^2/NDF: 26251563.1/74



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:32.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:12.0/18

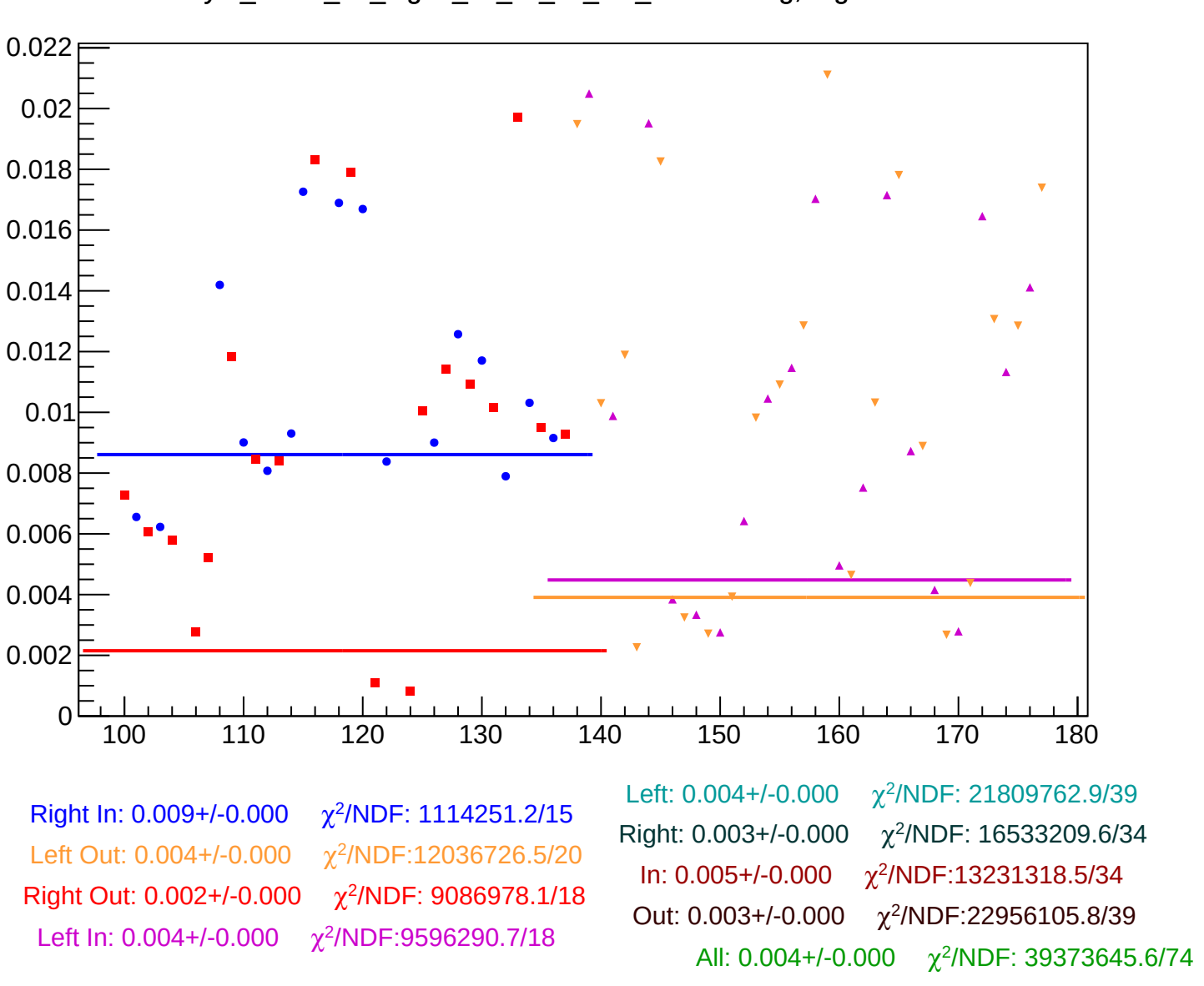
Left: -0.000+/-0.000 χ^2/NDF: 45.7/39

Right: 0.000+/-0.000 χ^2/NDF: 39.1/34

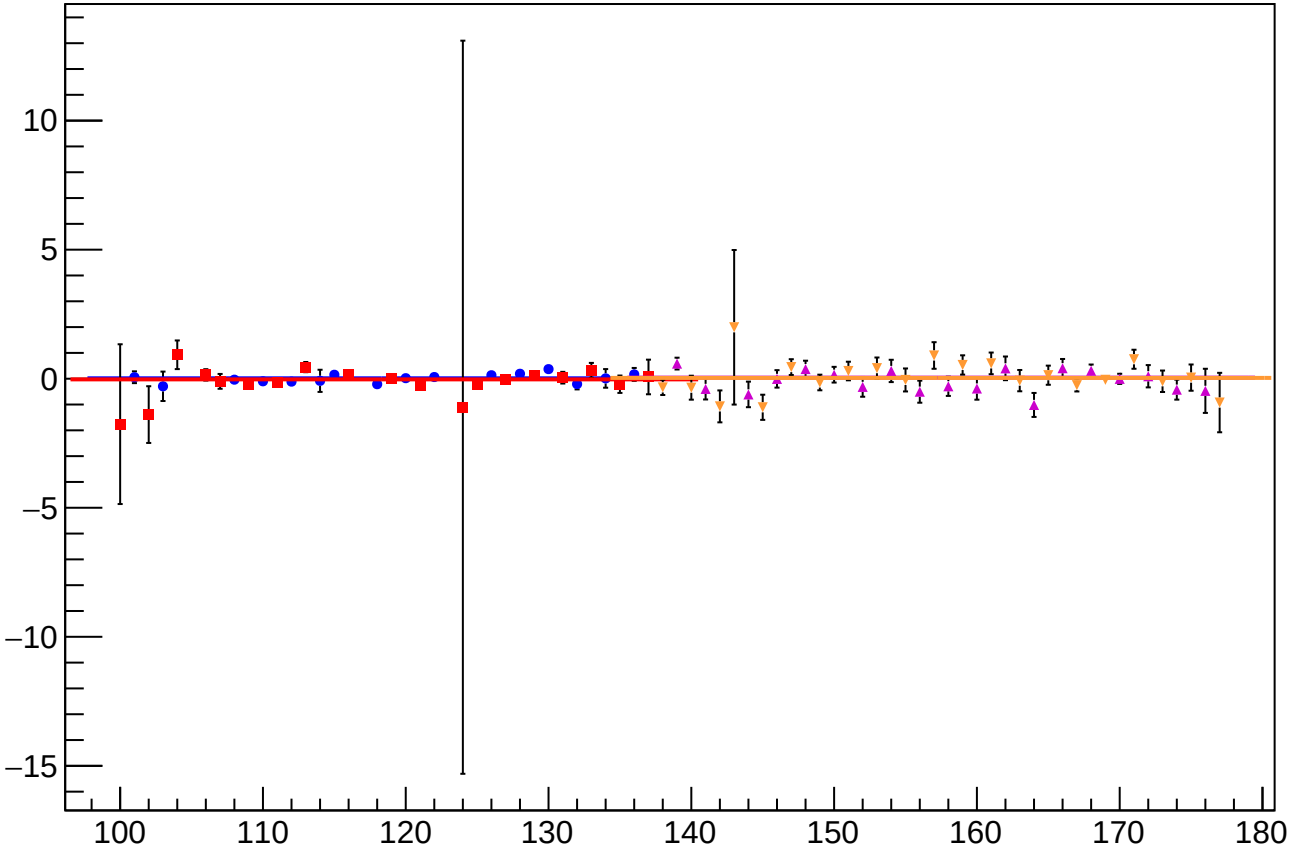
In: -0.000+/-0.000 χ^2/NDF:36.3/34

Out: 0.000+/-0.000 χ^2/NDF:48.1/39

All: 0.000+/-0.000 χ^2/NDF: 86.3/74


asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
170
180
Right In: 0.009+/-0.000 χ²/NDF: 1114251.2/15
Left Out: 0.004+/-0.000 χ²/NDF:12036726.5/20
Right Out: 0.002+/-0.000 χ²/NDF: 9086978.1/18
Left In: 0.004+/-0.000 χ²/NDF:9596290.7/18
Left: 0.004+/-0.000 χ²/NDF: 21809762.9/39
Right: 0.003+/-0.000 χ²/NDF: 16533209.6/34
In: 0.005+/-0.000 χ²/NDF:13231318.5/34
Out: 0.003+/-0.000 χ²/NDF:22956105.8/39
All: 0.004+/-0.000 χ²/NDF: 39373645.6/74

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.031+/-0.079 χ^2/NDF:27.6/20

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.042+/-0.079 χ^2/NDF:24.3/18

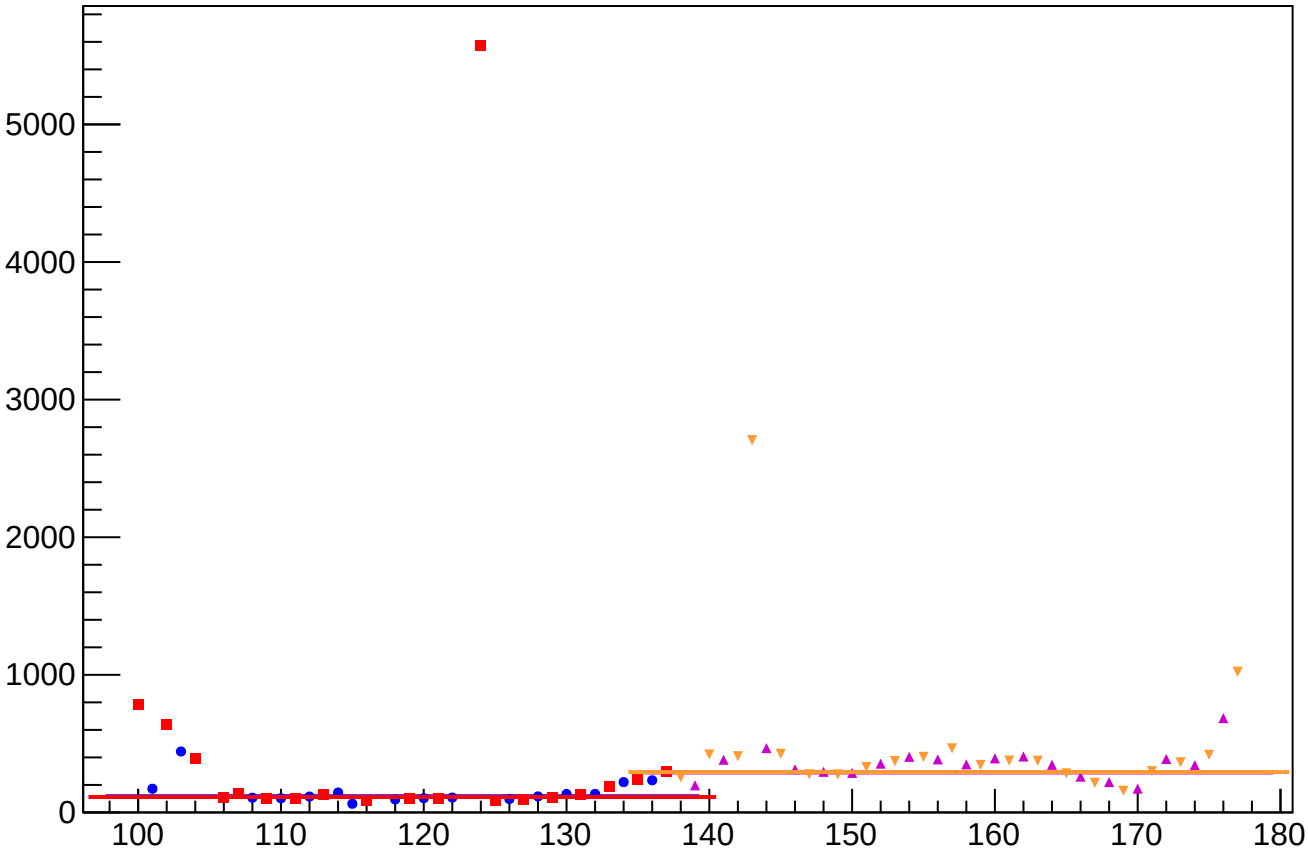
Left: 0.037+/-0.056 χ^2/NDF: 51.9/39

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.022+/-0.041 χ^2/NDF:36.1/34

Out: -0.011+/-0.040 χ^2/NDF:50.1/39

All: 0.006+/-0.029 χ^2/NDF: 86.6/74



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 293.443+/-0.056 χ^2/NDF:4715146.3/20

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 290.591+/-0.056 χ^2/NDF:2778138.7/18

Left: 292.005+/-0.039 χ^2/NDF: 7494592.7/39

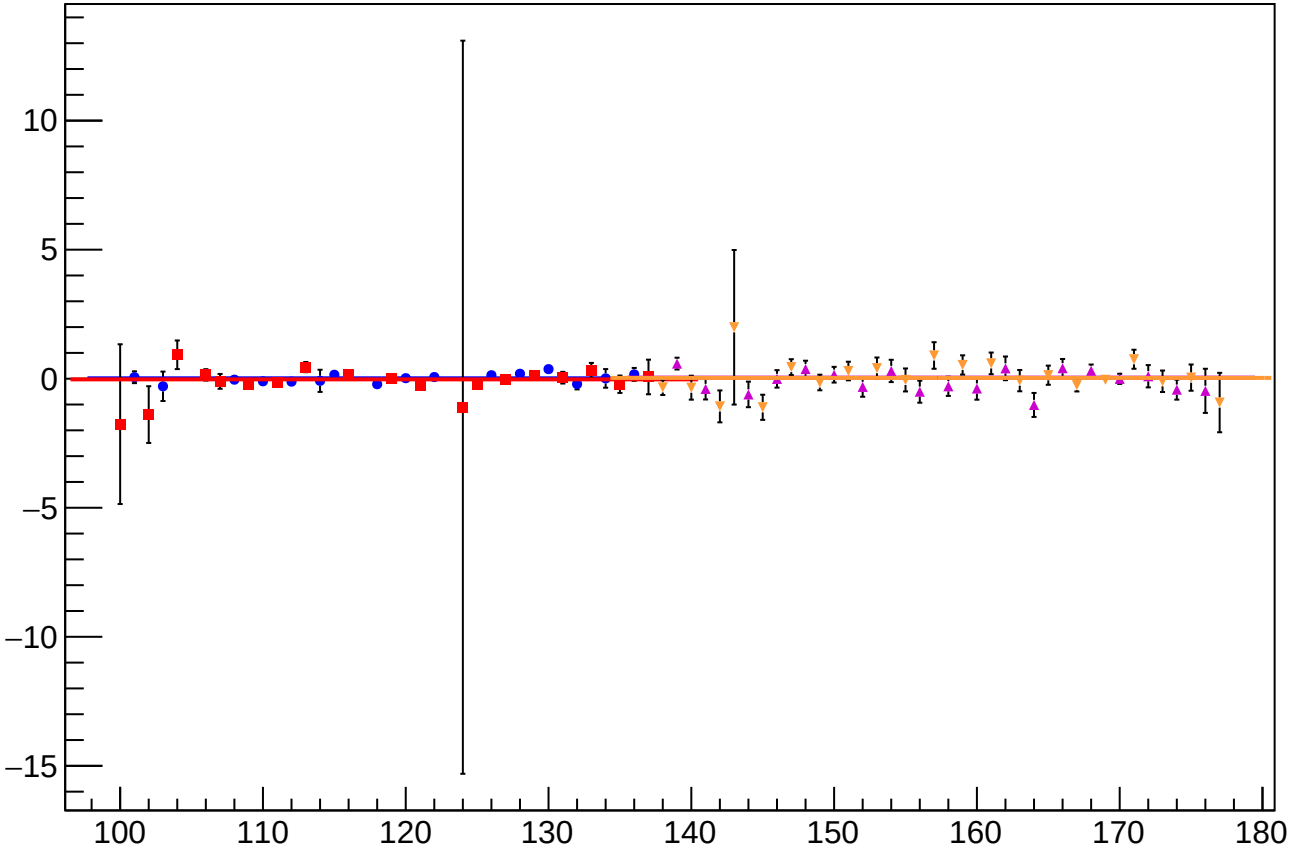
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 164.534+/-0.029 χ^2/NDF:11570296.5/34

Out: 159.091+/-0.029 χ^2/NDF:14663237.1/39

All: 161.775+/-0.020 χ^2/NDF: 26251496.7/74

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: 0.031+/-0.079 χ^2/NDF:27.6/20

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.042+/-0.079 χ^2/NDF:24.3/18

Left: 0.037+/-0.056 χ^2/NDF: 51.9/39

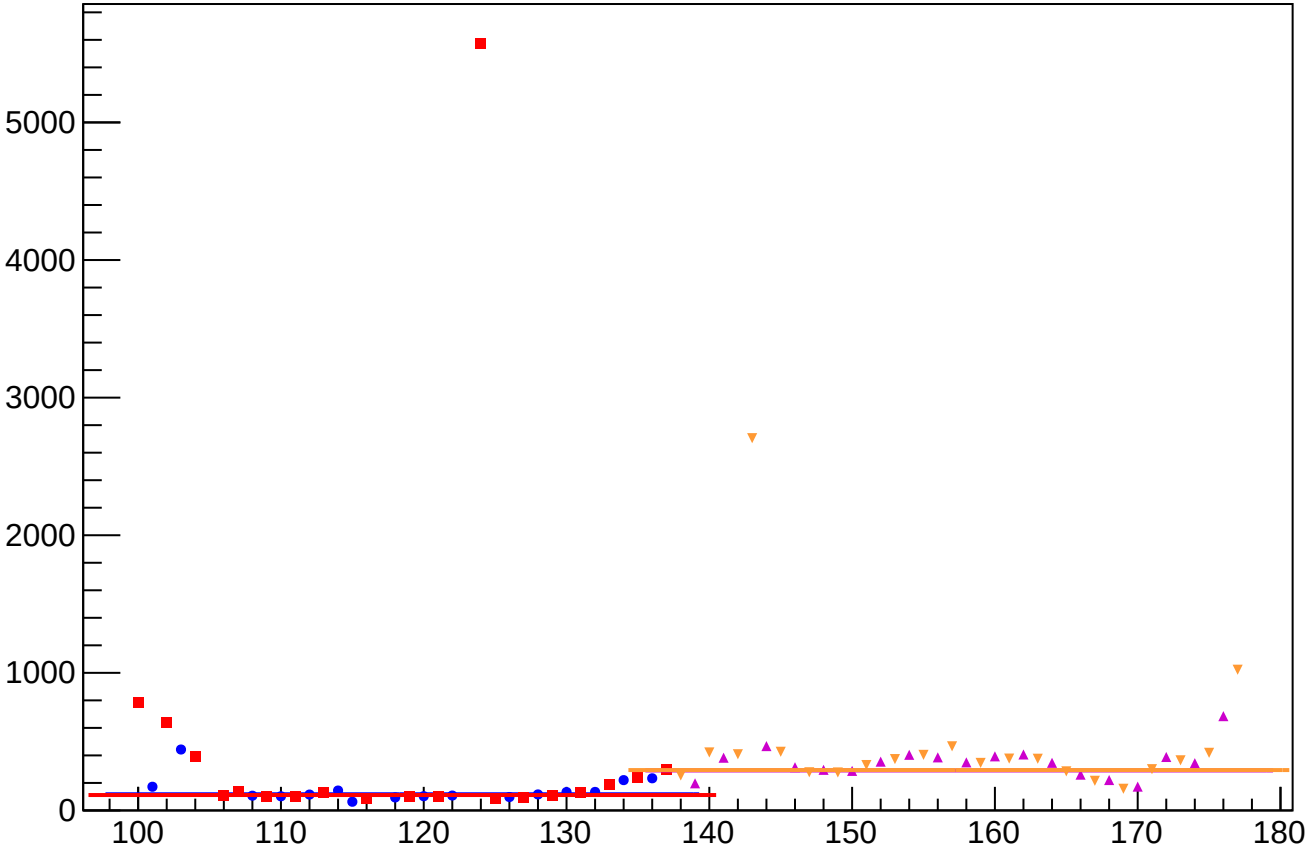
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.022+/-0.041 χ^2/NDF:36.1/34

Out: -0.011+/-0.040 χ^2/NDF:50.1/39

All: 0.006+/-0.029 χ^2/NDF: 86.6/74

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: 293.443+/-0.056 χ^2/NDF:4715146.3/20

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 290.591+/-0.056 χ^2/NDF:2778138.7/18

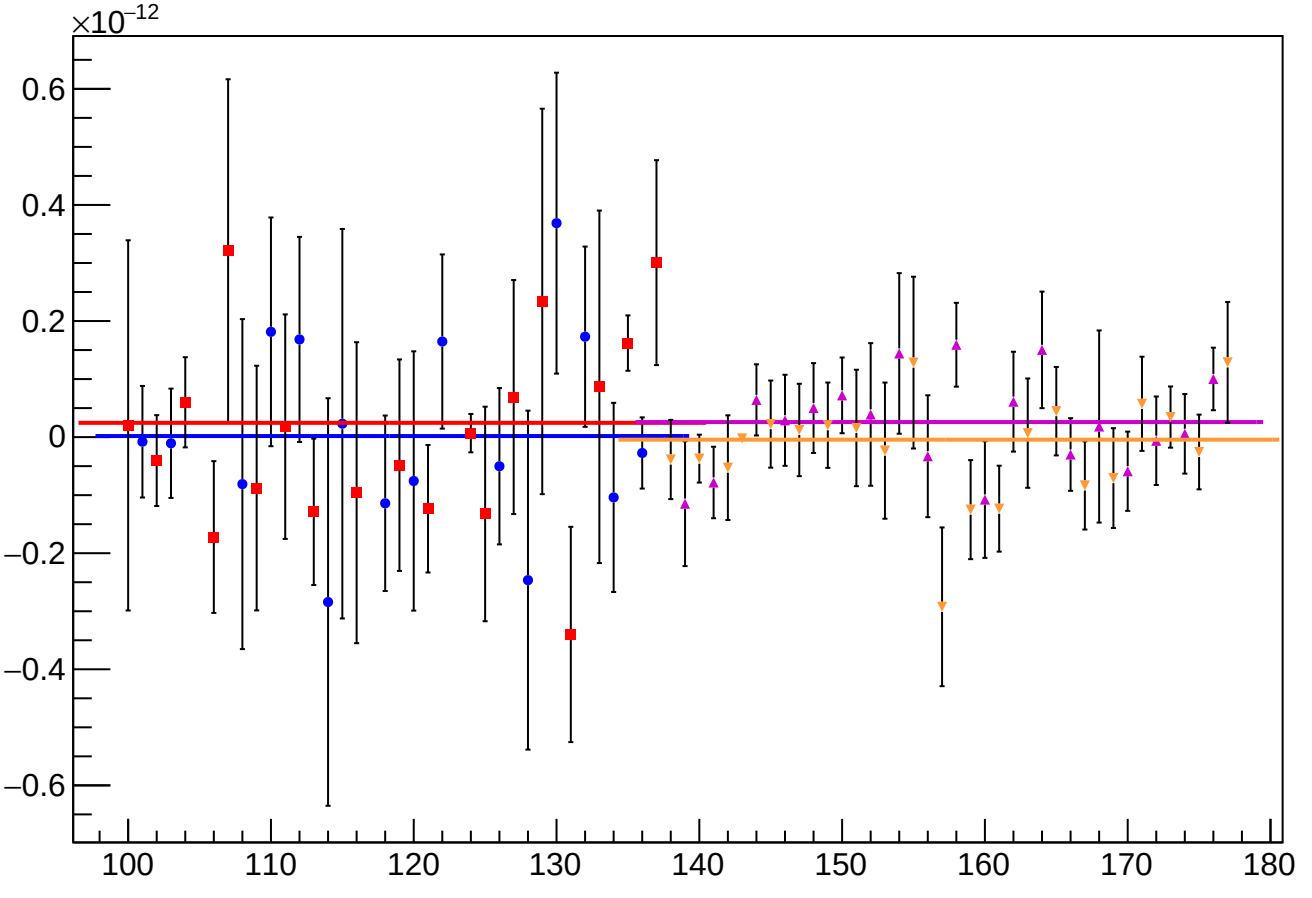
Left: 292.005+/-0.039 χ^2/NDF: 7494592.7/39

Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 164.534+/-0.029 χ^2/NDF:11570296.5/34

Out: 159.091+/-0.029 χ^2/NDF:14663237.1/39

All: 161.775+/-0.020 χ^2/NDF: 26251496.7/74



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: 0.000+/-0.000 χ^2/NDF:18.0/18

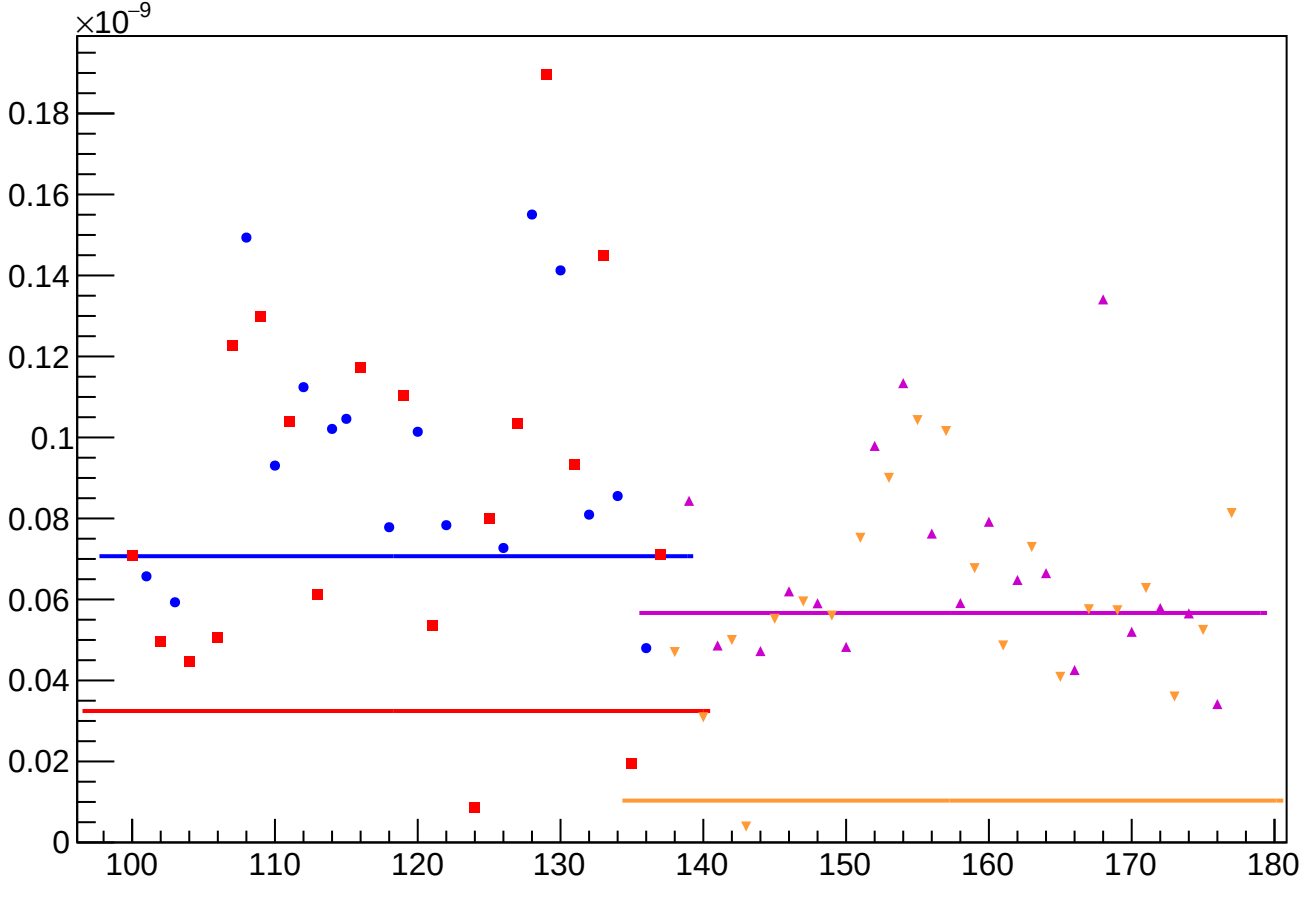
Left: -0.000+/-0.000 χ^2/NDF: 37.0/39

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:27.5/34

Out: -0.000+/-0.000 χ^2/NDF:42.3/39

All: 0.000+/-0.000 χ^2/NDF: 71.7/74



Right In: 0.000+/-0.000 χ^2/NDF: 1023708.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:16155382.0/20

Right Out: 0.000+/-0.000 χ^2/NDF: 4449161.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1926865.0/18

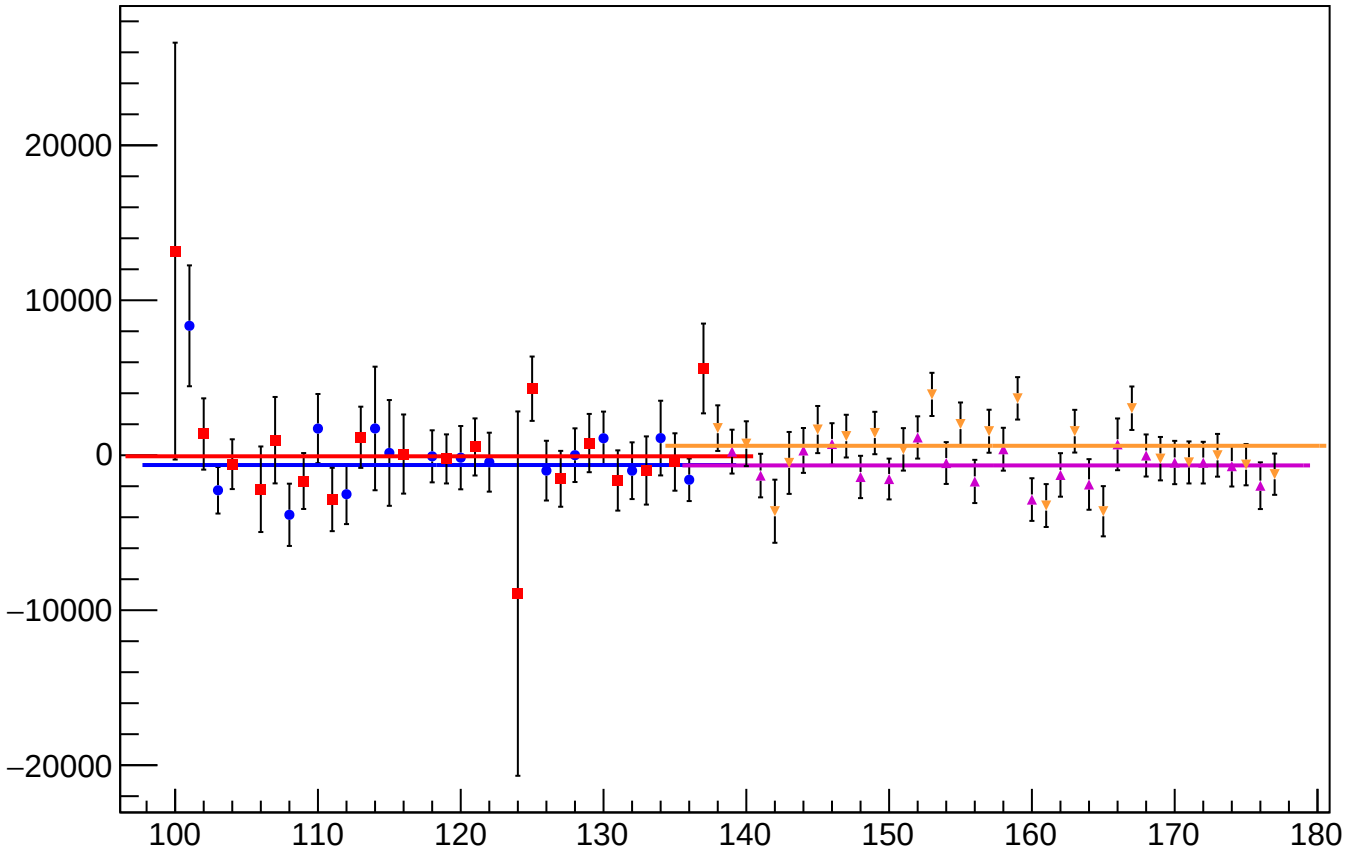
Left: 0.000+/-0.000 χ^2/NDF: 30161121.1/39

Right: 0.000+/-0.000 χ^2/NDF: 7239318.8/34

In: 0.000+/-0.000 χ^2/NDF:3211912.1/34

Out: 0.000+/-0.000 χ^2/NDF:22540580.3/39

All: 0.000+/-0.000 χ^2/NDF: 41637278.5/74



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 610.349+/-313.353 χ^2/NDF:40.3/20

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -656.785+/-321.523 χ^2/NDF:10.7/18

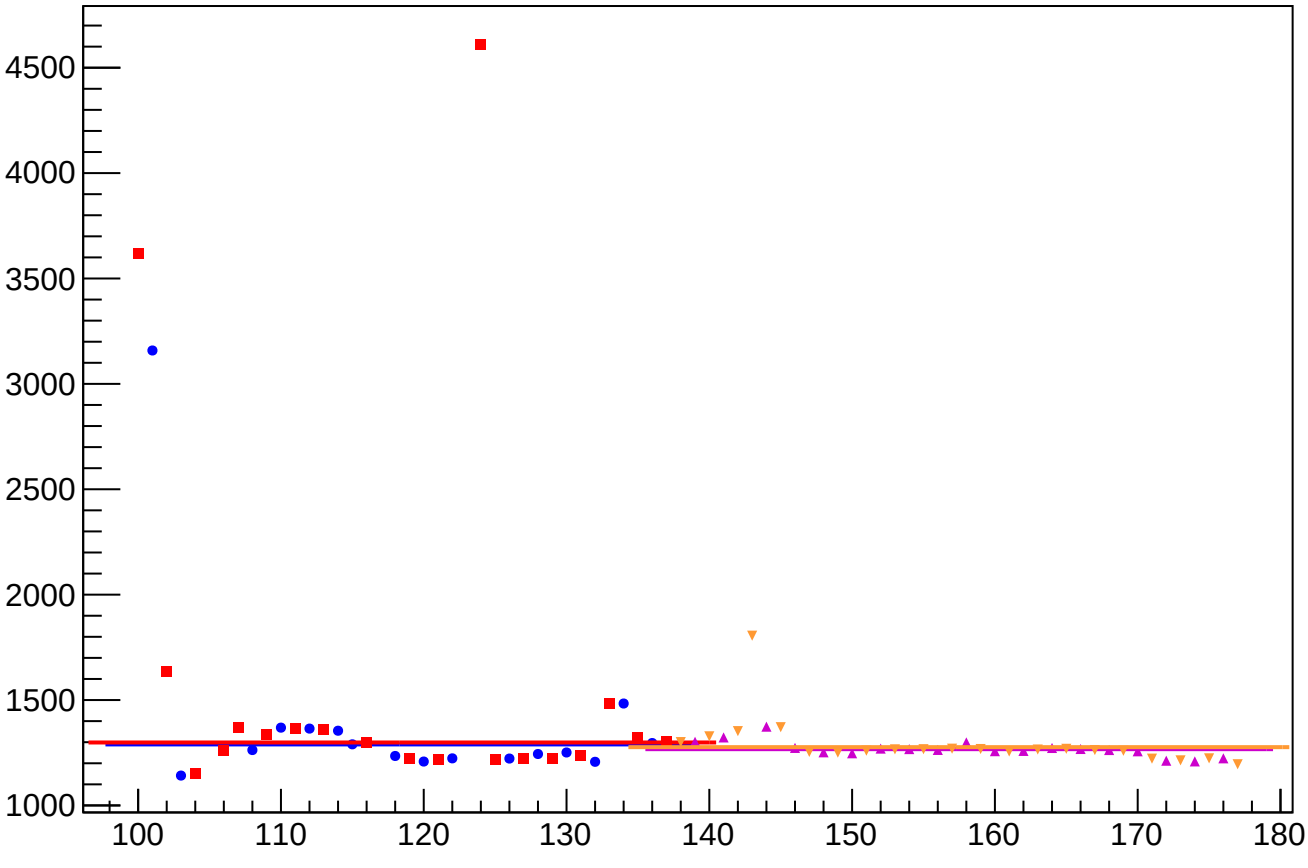
Left: -6.916+/-224.407 χ^2/NDF: 59.1/39

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -649.007+/-268.597 χ^2/NDF:24.7/34

Out: 412.277+/-263.637 χ^2/NDF:57.6/39

All: -108.476+/-188.149 χ^2/NDF: 90.2/74



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1276.484+/-0.222 χ^2/NDF:174631.6/20

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1266.984+/-0.227 χ^2/NDF:26252.5/18

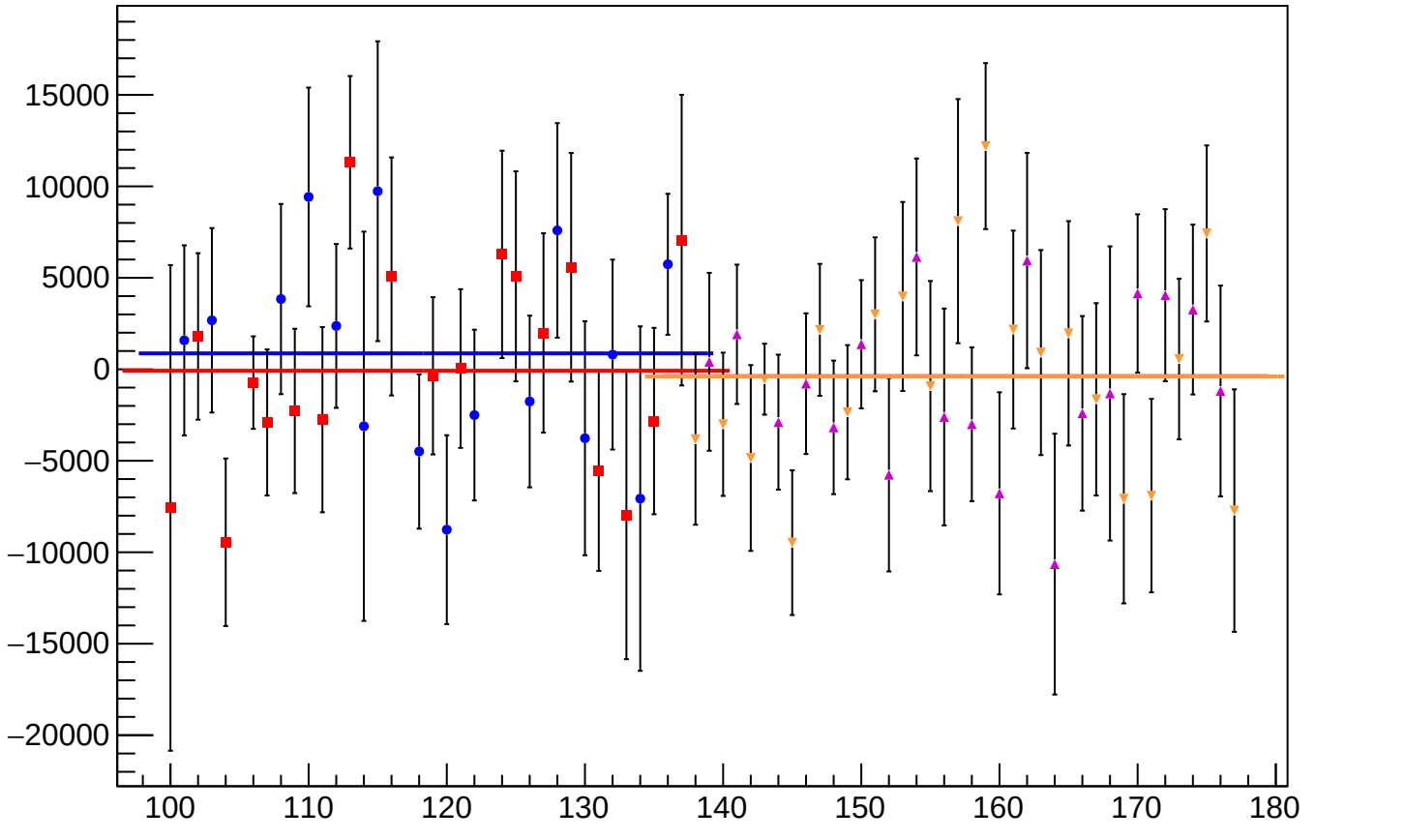
Left: 1271.856+/-0.159 χ^2/NDF: 201779.7/39

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1273.776+/-0.190 χ^2/NDF:543882.0/34

Out: 1282.986+/-0.186 χ^2/NDF:496942.5/39

All: 1278.470+/-0.133 χ^2/NDF: 1042022.9/74



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -389.734+/-936.900 χ^2/NDF:25.8/20

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -374.536+/-1071.133 χ^2/NDF:12.1/18

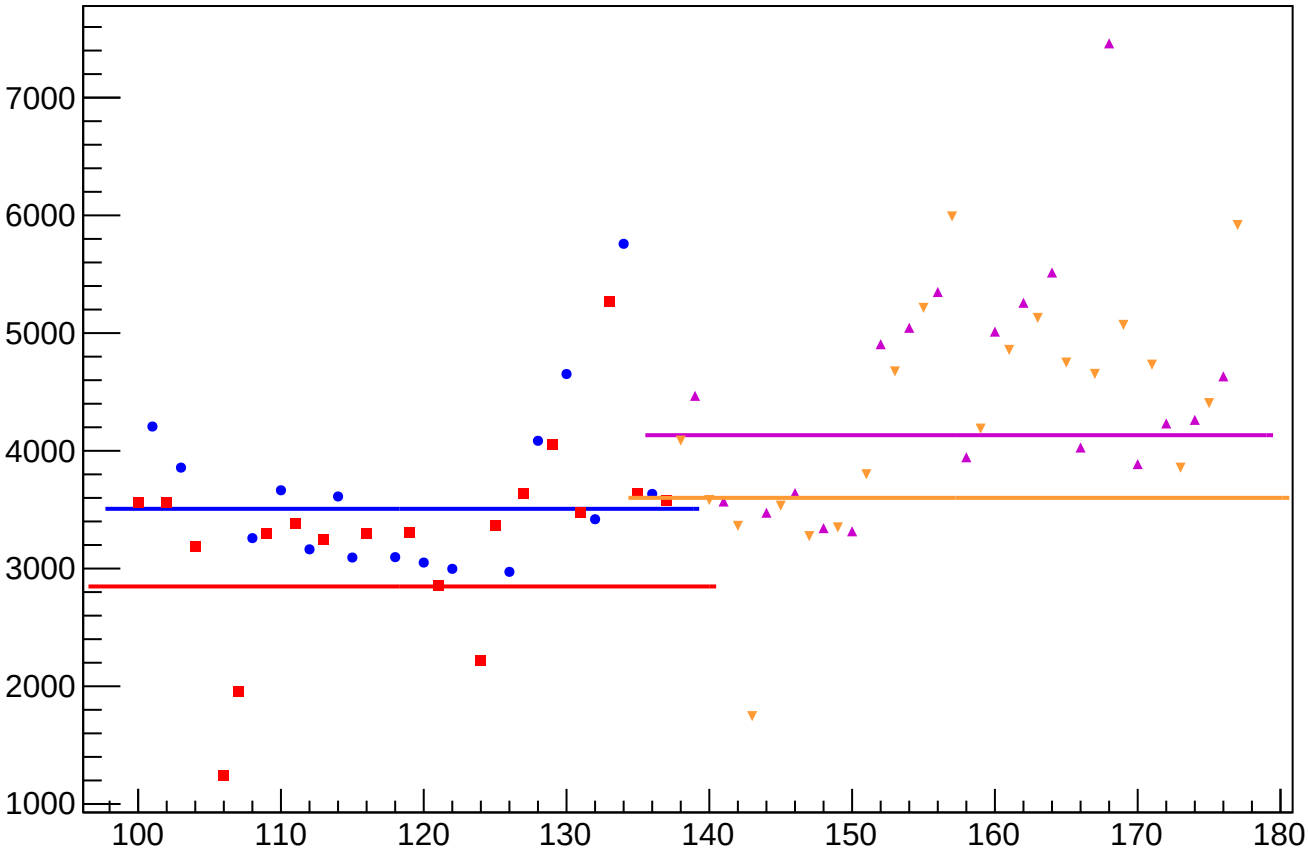
Left: -383.146+/-705.201 χ^2/NDF: 37.9/39

Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: 117.330+/-833.058 χ^2/NDF:26.6/34

Out: -259.908+/-716.246 χ^2/NDF:44.2/39

All: -99.570+/-543.106 χ^2/NDF: 71.0/74



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3600.663+/-0.662 χ^2/NDF:3357722.6/20

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4132.820+/-0.757 χ^2/NDF:1106305.7/18

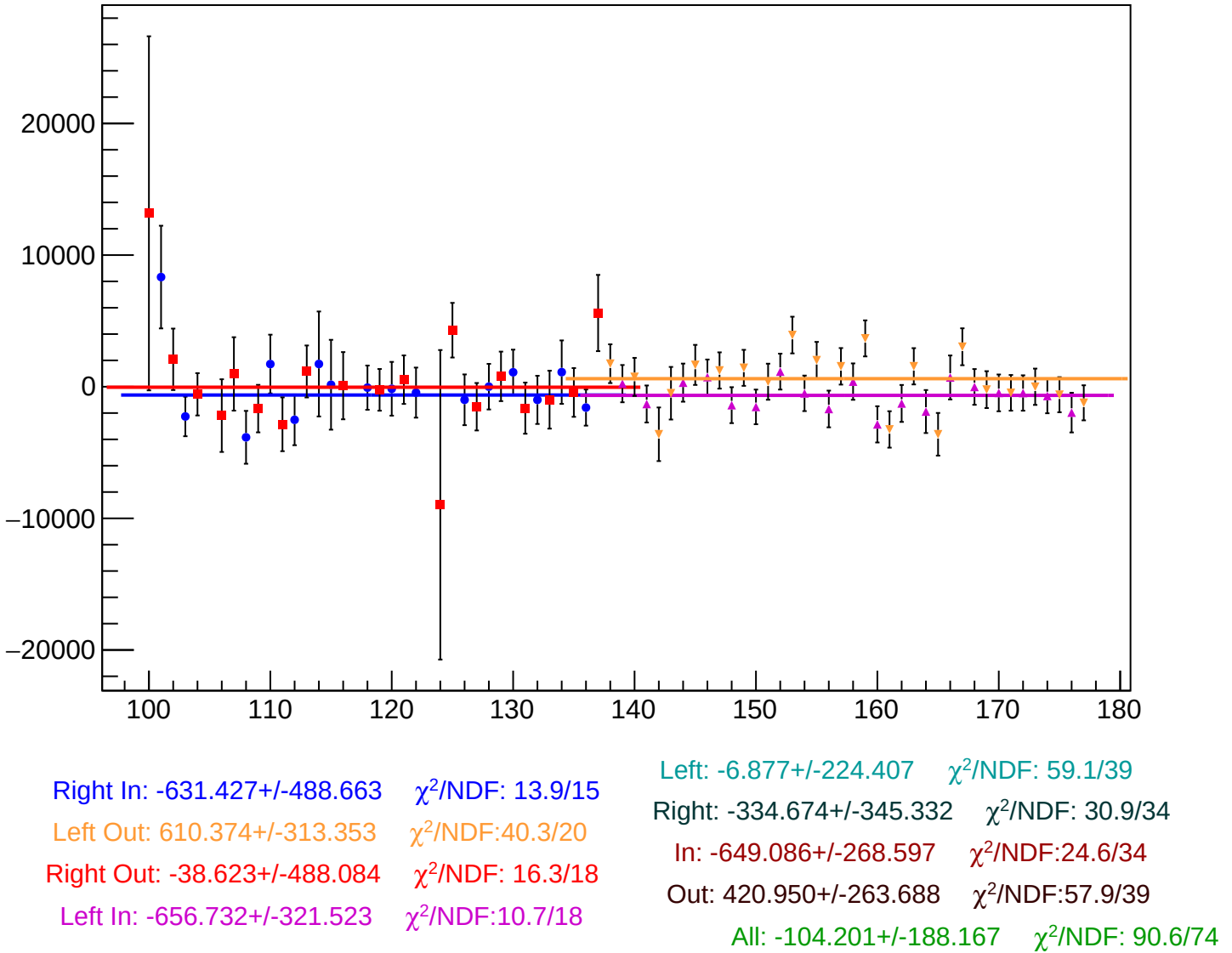
Left: 3831.326+/-0.499 χ^2/NDF: 4743708.6/39

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3885.699+/-0.589 χ^2/NDF:1729703.7/34

Out: 3287.814+/-0.506 χ^2/NDF:5393726.4/39

All: 3541.932+/-0.384 χ^2/NDF: 7715754.6/74


cor_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected
20000
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−20000
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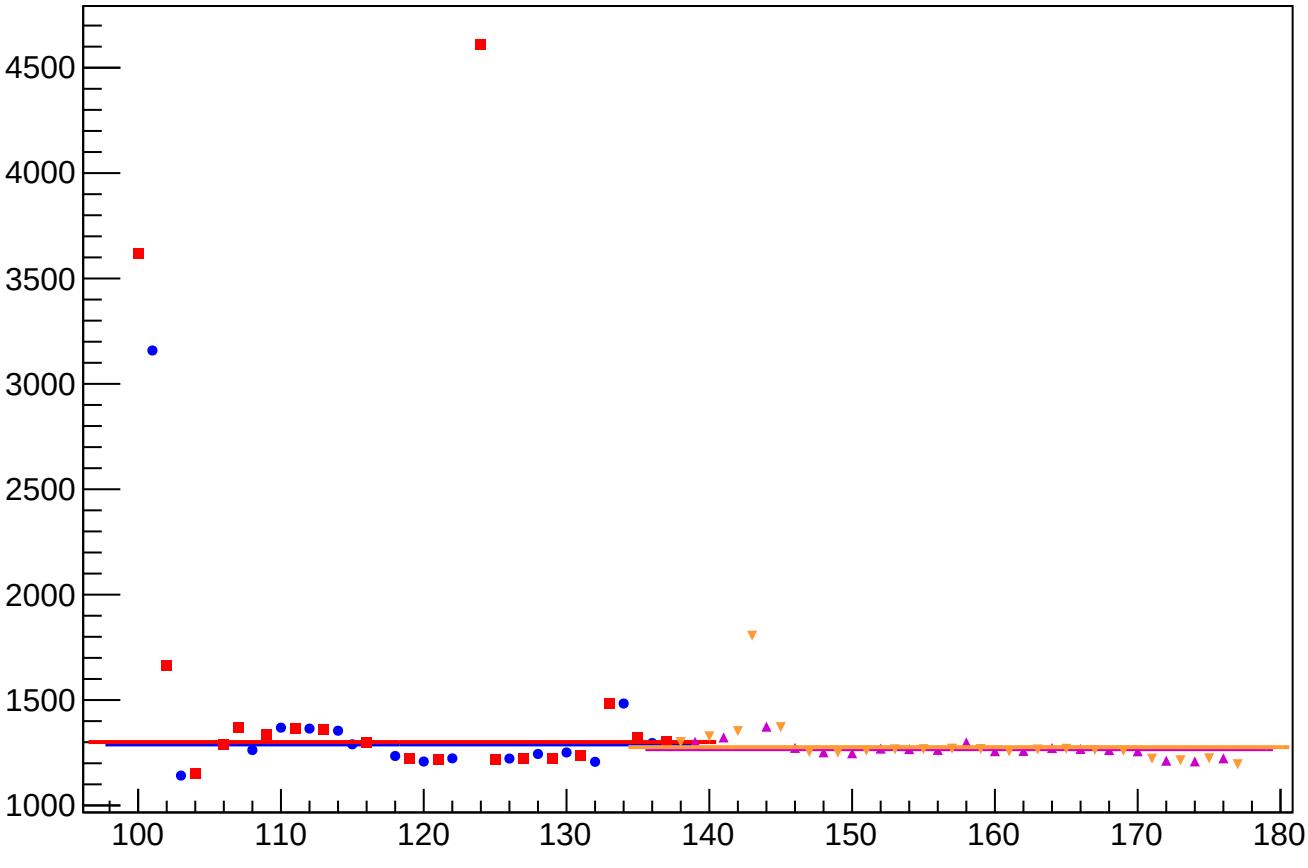
170
180
Right In: -631.427+/-488.663 χ²/NDF: 13.9/15
Left Out: 610.374+/-313.353 χ²/NDF:40.3/20
Right Out: -38.623+/-488.084 χ²/NDF: 16.3/18
Left In: -656.732+/-321.523 χ²/NDF:10.7/18
Left: -6.877+/-224.407 χ²/NDF: 59.1/39
Right: -334.674+/-345.332 χ²/NDF: 30.9/34
In: -649.086+/-268.597 χ²/NDF:24.6/34
Out: 420.950+/-263.688 χ²/NDF:57.9/39
All: -104.201+/-188.167 χ²/NDF: 90.6/74



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1276.484+/-0.222 χ^2/NDF:174631.6/20

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1266.984+/-0.227 χ^2/NDF:26252.5/18

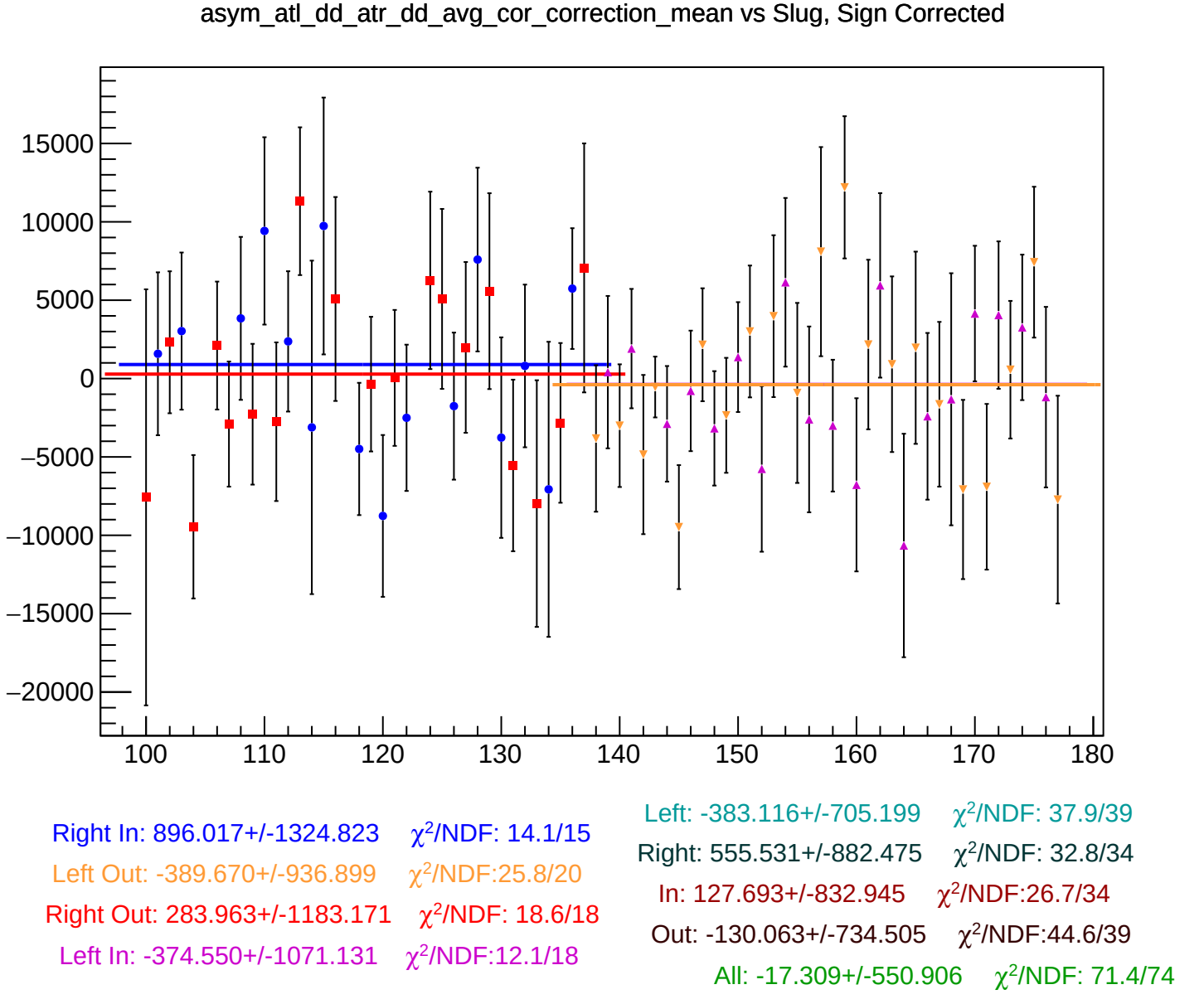
Left: 1271.856+/-0.159 χ^2/NDF: 201779.7/39

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1273.776+/-0.190 χ^2/NDF:543883.4/34

Out: 1283.566+/-0.186 χ^2/NDF:504030.0/39

All: 1278.764+/-0.133 χ^2/NDF: 1049267.1/74


asym_atl_dd_atr_dd_avg_cor_correction_mean vs Slug, Sign Corrected
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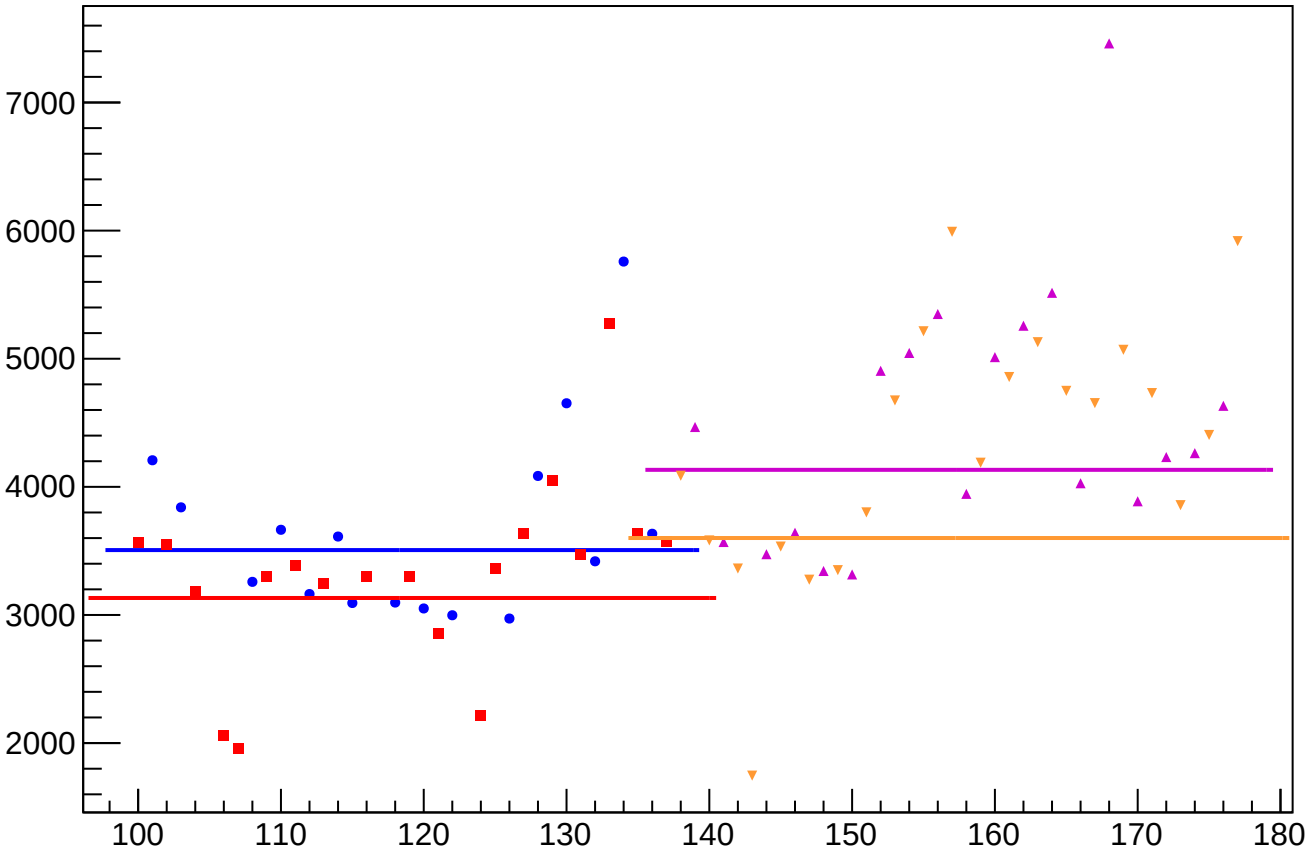
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -389.670+/-936.899 χ²/NDF:25.8/20
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -374.550+/-1071.131 χ²/NDF:12.1/18
Left: -383.116+/-705.199 χ²/NDF: 37.9/39
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 127.693+/-832.945 χ²/NDF:26.7/34
Out: -130.063+/-734.505 χ²/NDF:44.6/39
All: -17.309+/-550.906 χ²/NDF: 71.4/74



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3600.654+/-0.662 χ^2/NDF:3357758.5/20

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4132.815+/-0.757 χ^2/NDF:1106306.5/18

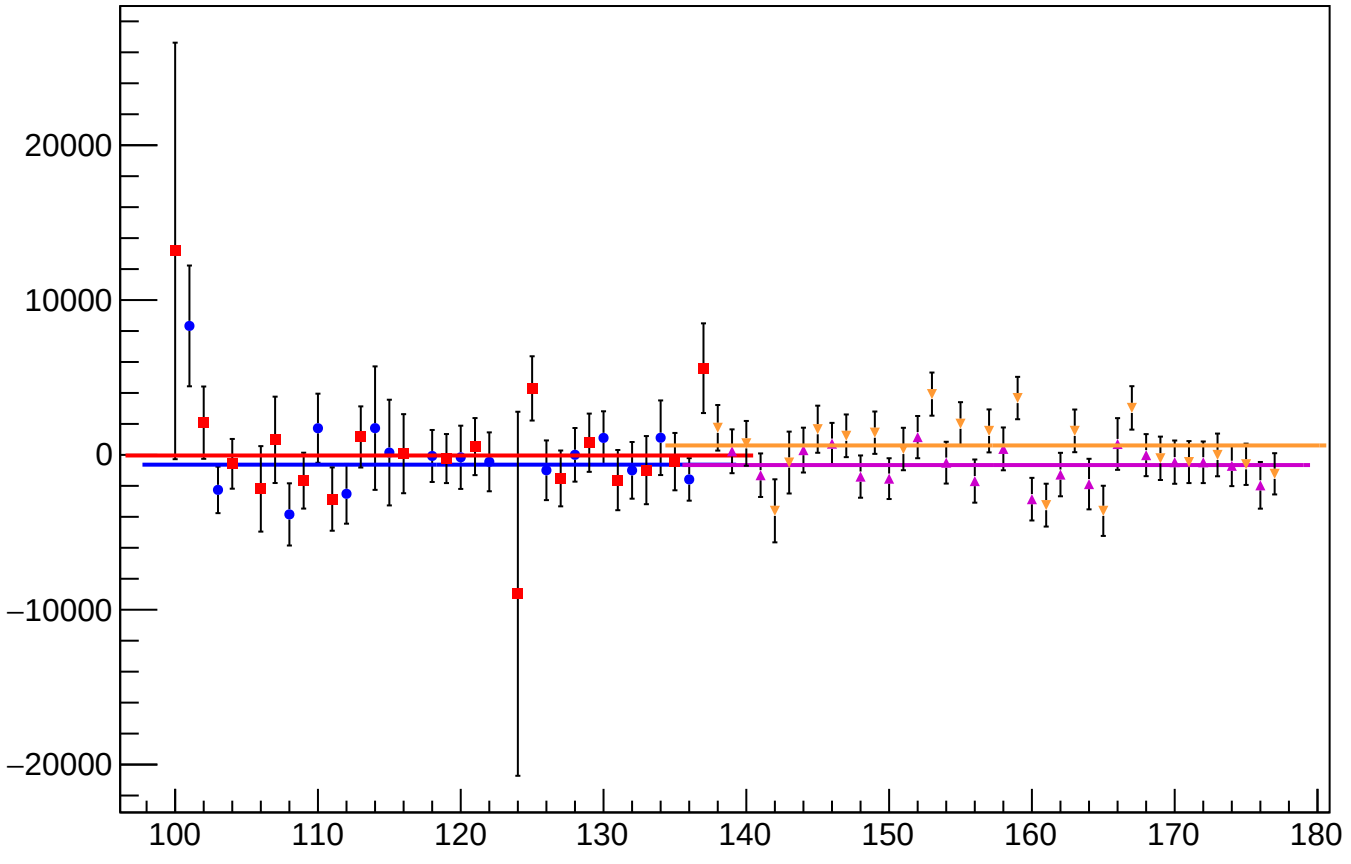
Left: 3831.319+/-0.499 χ^2/NDF: 4743749.4/39

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3885.232+/-0.589 χ^2/NDF:1729858.1/34

Out: 3420.268+/-0.519 χ^2/NDF:4199748.1/39

All: 3623.664+/-0.390 χ^2/NDF: 6280197.8/74



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 610.374+/-313.353 χ^2/NDF:40.3/20

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -656.732+/-321.523 χ^2/NDF:10.7/18

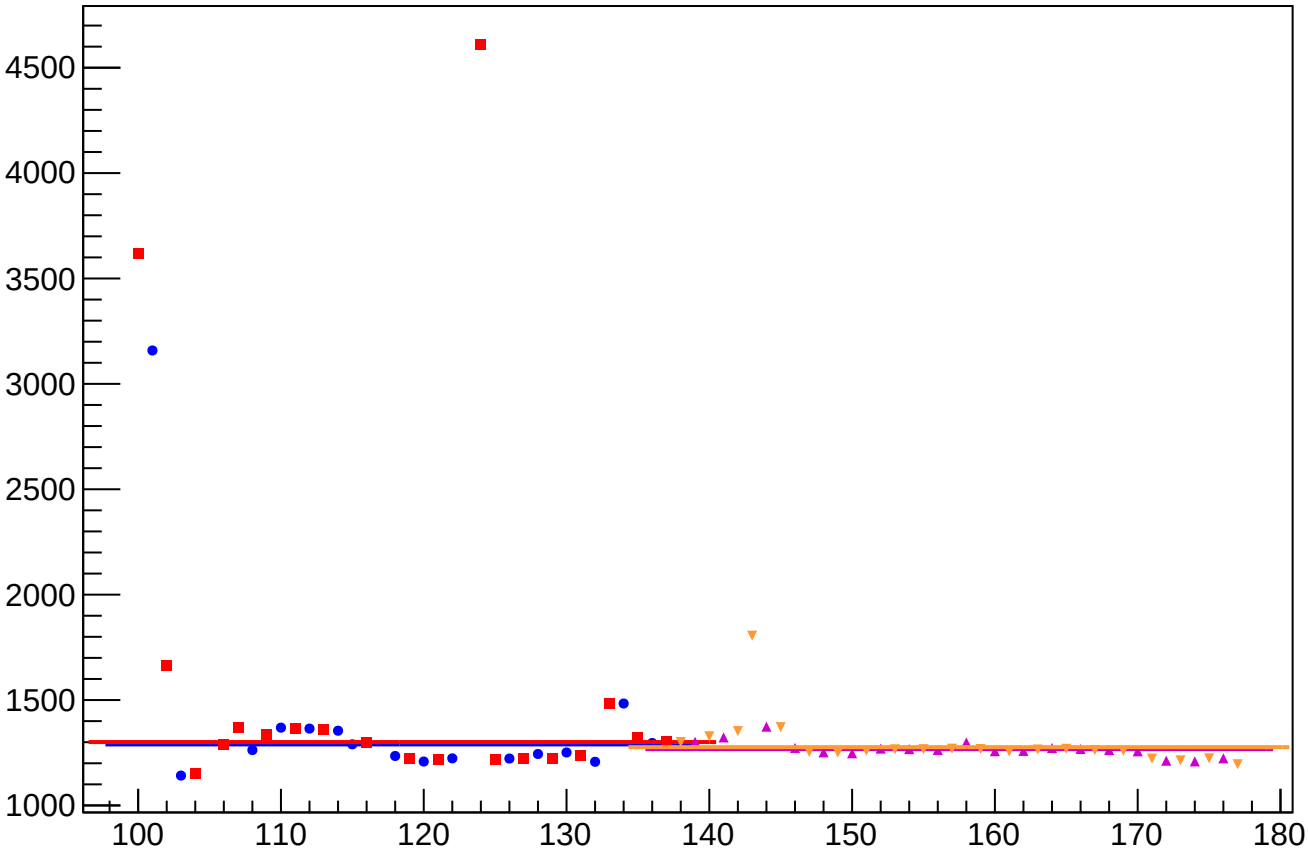
Left: -6.877+/-224.407 χ^2/NDF: 59.1/39

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -649.086+/-268.597 χ^2/NDF:24.6/34

Out: 420.950+/-263.688 χ^2/NDF:57.9/39

All: -104.201+/-188.167 χ^2/NDF: 90.6/74



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1276.484+/-0.222 χ^2/NDF:174631.6/20

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1266.984+/-0.227 χ^2/NDF:26252.5/18

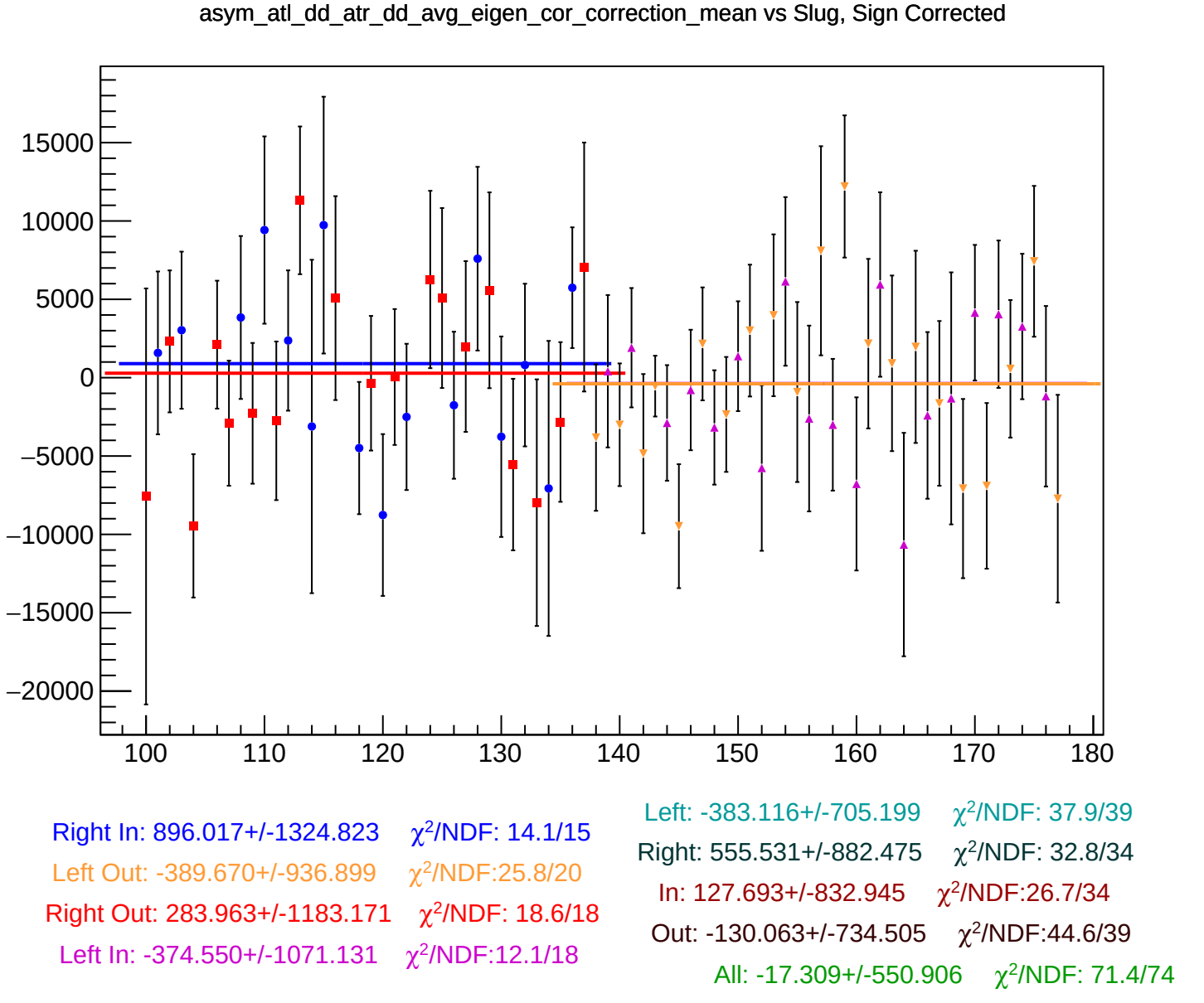
Left: 1271.856+/-0.159 χ^2/NDF: 201779.7/39

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1273.776+/-0.190 χ^2/NDF:543883.4/34

Out: 1283.566+/-0.186 χ^2/NDF:504030.0/39

All: 1278.764+/-0.133 χ^2/NDF: 1049267.1/74


asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
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−20000
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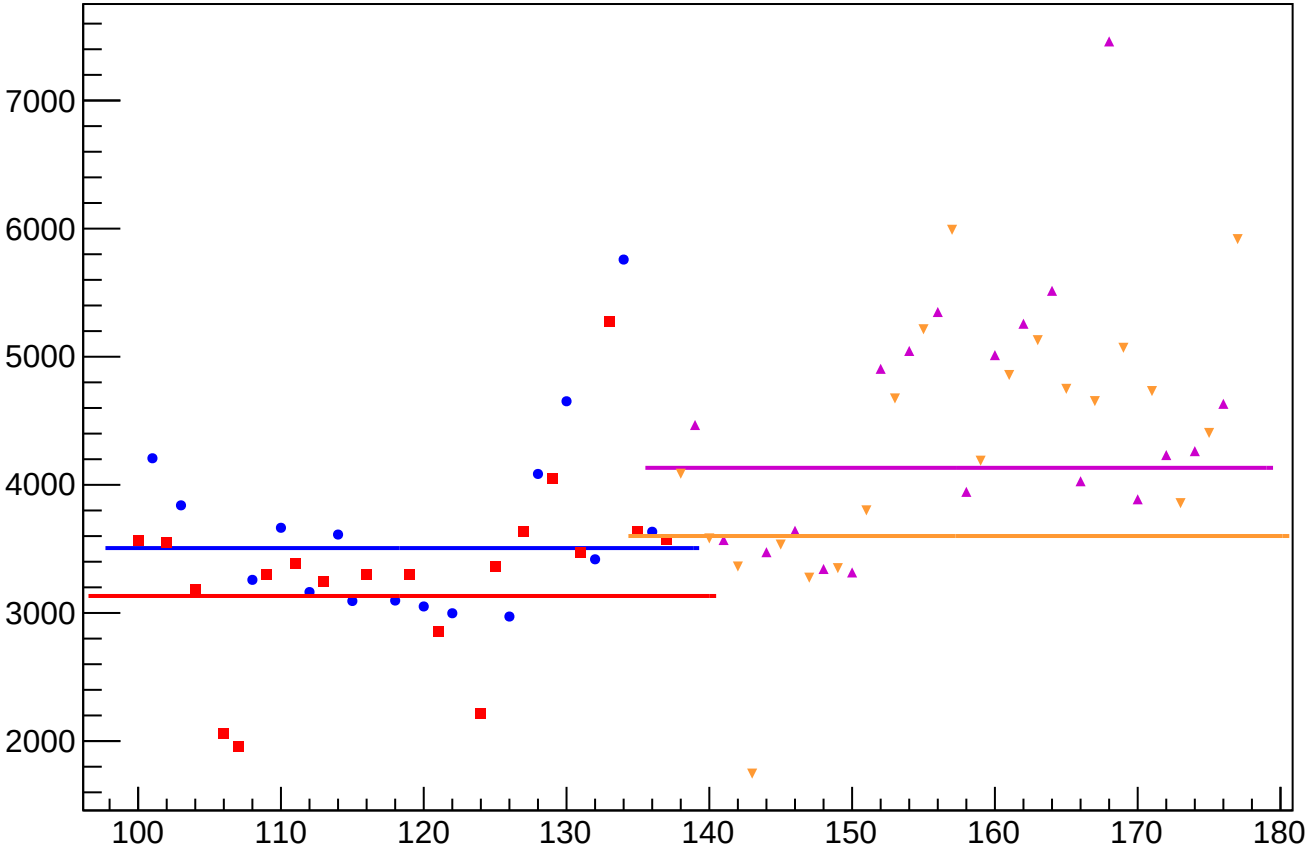
170
180
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -389.670+/-936.899 χ²/NDF:25.8/20
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -374.550+/-1071.131 χ²/NDF:12.1/18
Left: -383.116+/-705.199 χ²/NDF: 37.9/39
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 127.693+/-832.945 χ²/NDF:26.7/34
Out: -130.063+/-734.505 χ²/NDF:44.6/39
All: -17.309+/-550.906 χ²/NDF: 71.4/74

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: 3600.654+/-0.662 χ^2/NDF:3357758.5/20

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4132.815+/-0.757 χ^2/NDF:1106306.5/18

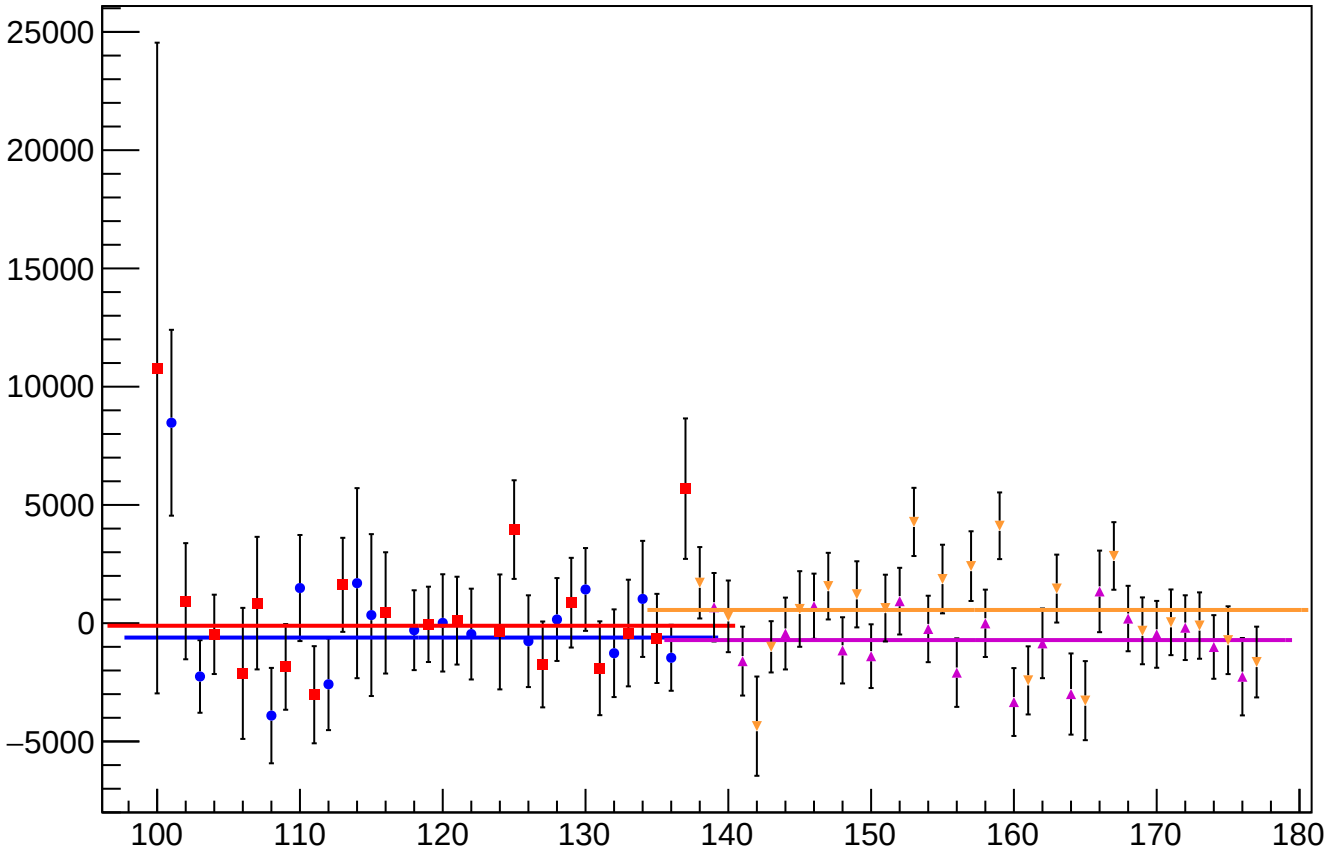
Left: 3831.319+/-0.499 χ^2/NDF: 4743749.4/39

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3885.232+/-0.589 χ^2/NDF:1729858.1/34

Out: 3420.268+/-0.519 χ^2/NDF:4199748.1/39

All: 3623.664+/-0.390 χ^2/NDF: 6280197.8/74



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 559.036+/-315.347 χ^2/NDF:40.5/20

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -714.051+/-332.363 χ^2/NDF:13.5/18

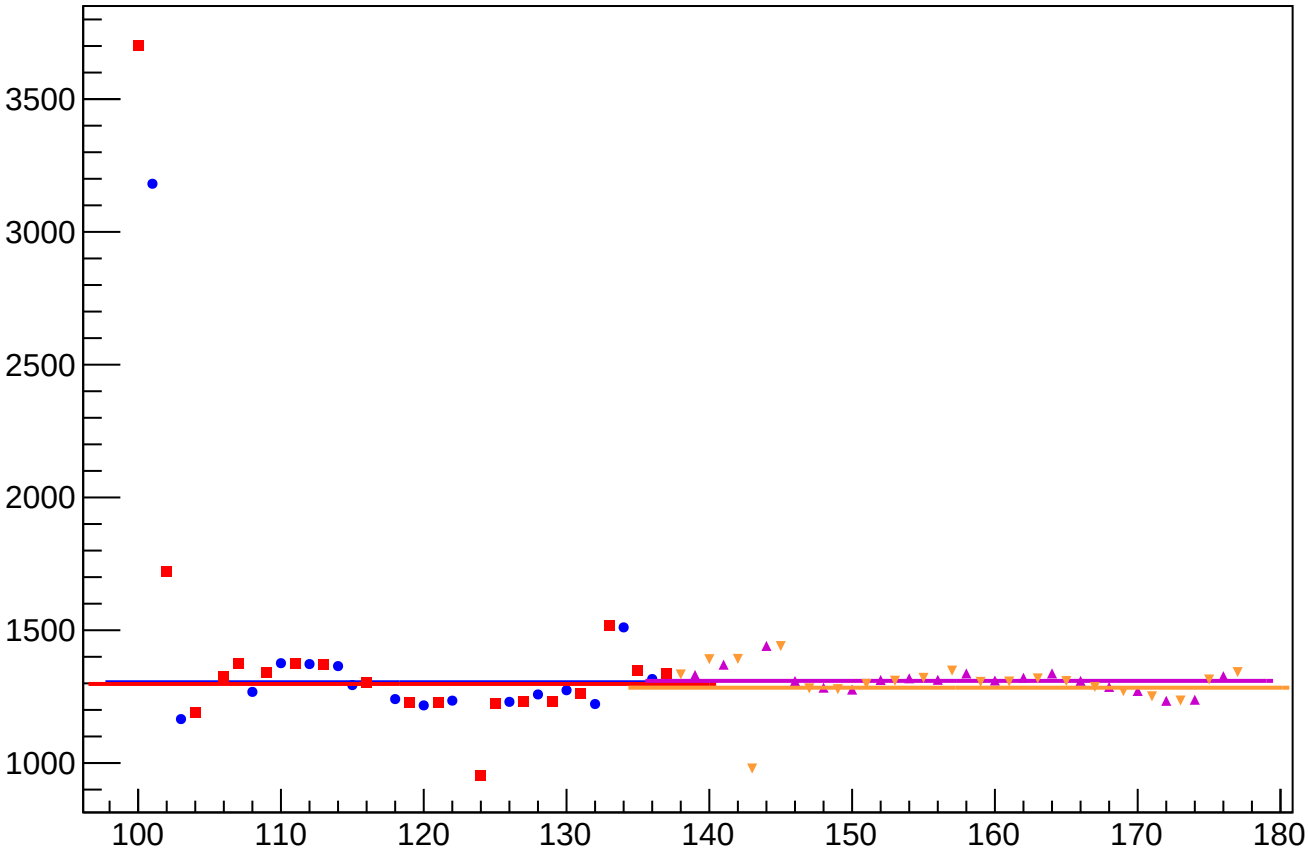
Left: -44.085+/-228.763 χ^2/NDF: 61.7/39

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -680.969+/-275.791 χ^2/NDF:27.6/34

Out: 360.968+/-264.466 χ^2/NDF:56.7/39

All: -138.168+/-190.884 χ^2/NDF: 91.8/74



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1283.699+/-0.223 χ^2/NDF:210710.5/20

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1309.347+/-0.235 χ^2/NDF:36214.4/18

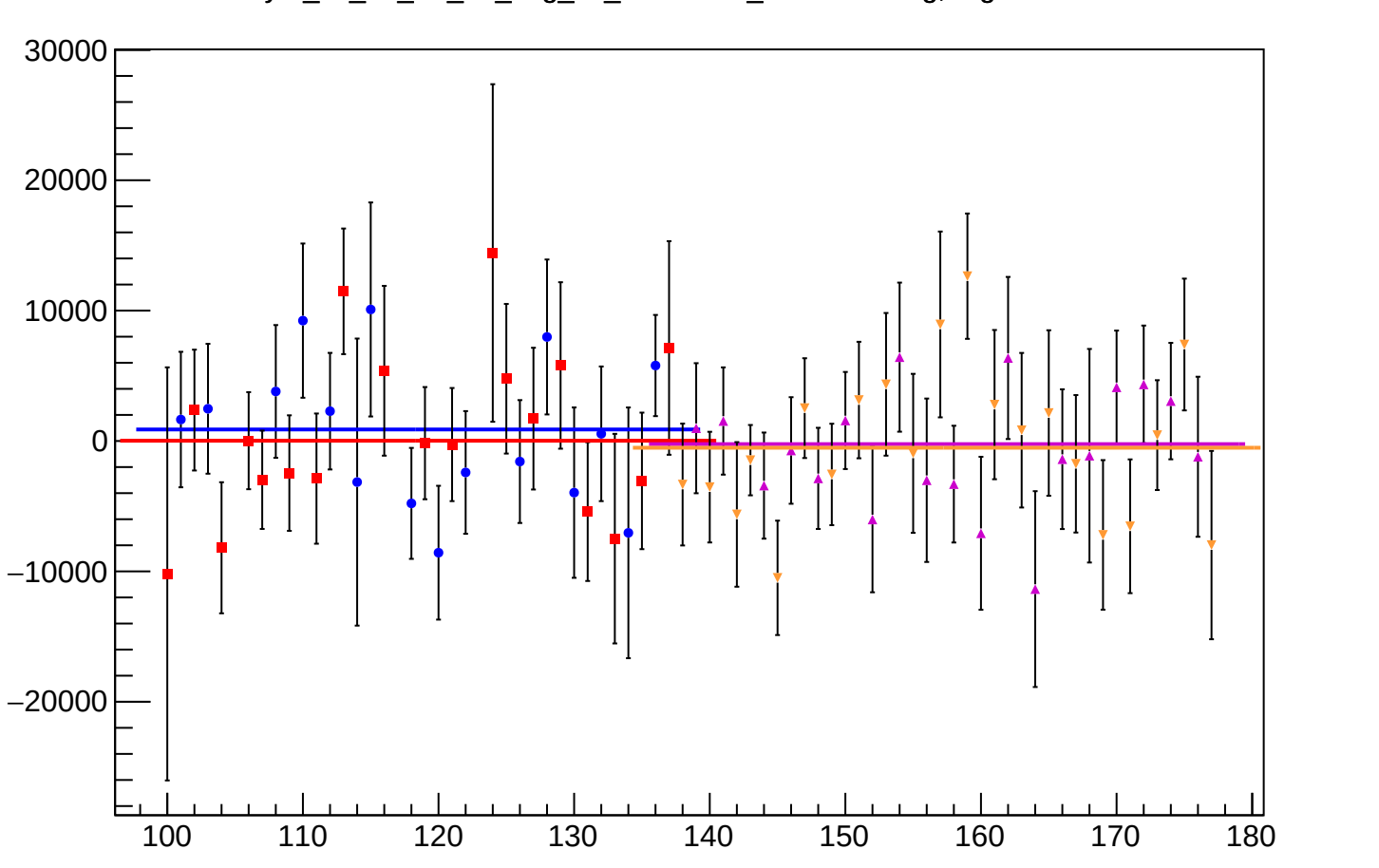
Left: 1295.849+/-0.162 χ^2/NDF: 253192.7/39

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1307.713+/-0.195 χ^2/NDF:546959.0/34

Out: 1287.885+/-0.187 χ^2/NDF:424994.4/39

All: 1297.382+/-0.135 χ^2/NDF: 977340.1/74



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -517.647+/-1034.802 χ^2/NDF:25.6/20

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -239.932+/-1120.053 χ^2/NDF:12.0/18

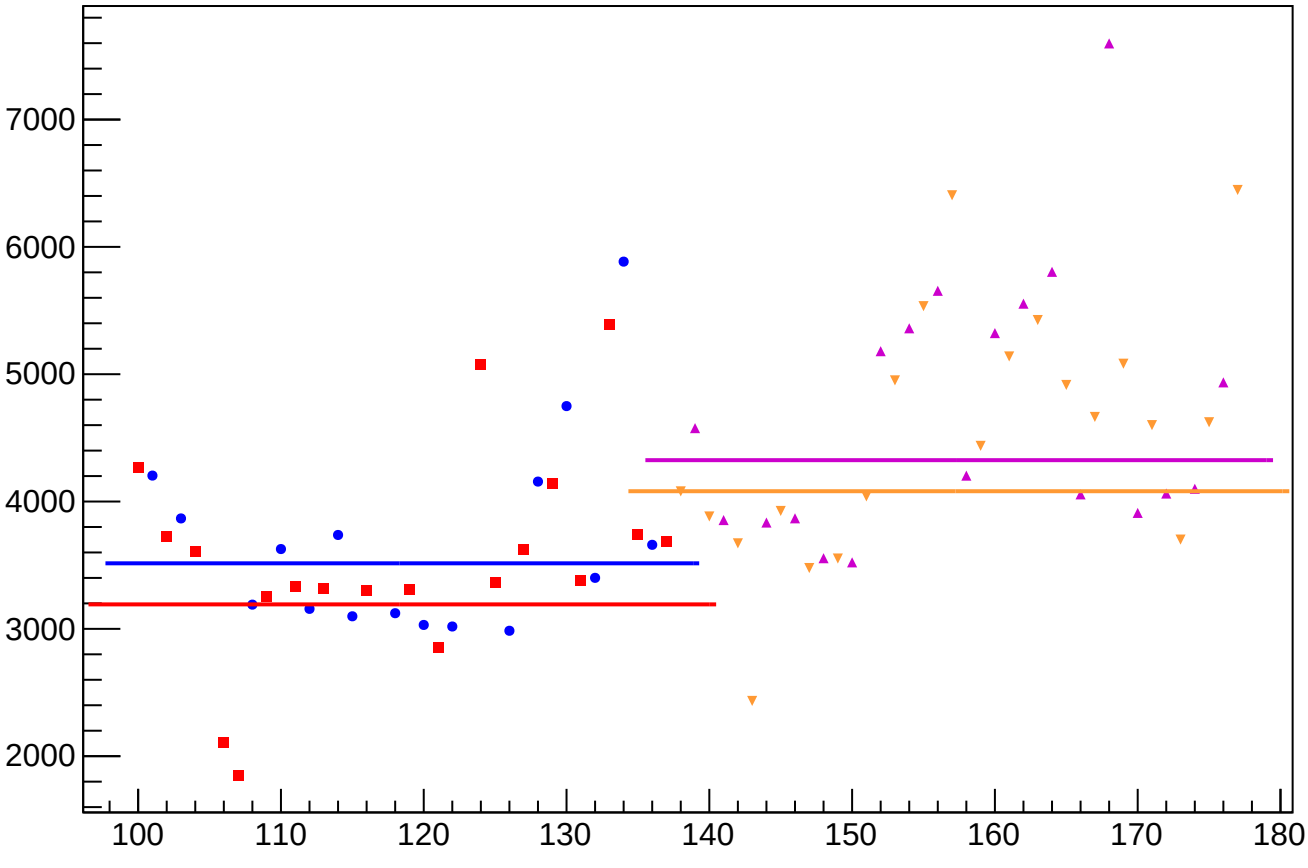
Left: -389.759+/-760.070 χ^2/NDF: 37.6/39

Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 227.518+/-856.028 χ^2/NDF:26.5/34

Out: -288.063+/-783.671 χ^2/NDF:42.5/39

All: -52.980+/-578.030 χ^2/NDF: 69.3/74



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4081.017+/-0.732 χ^2/NDF:1803960.9/20

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4324.914+/-0.792 χ^2/NDF:1048985.0/18

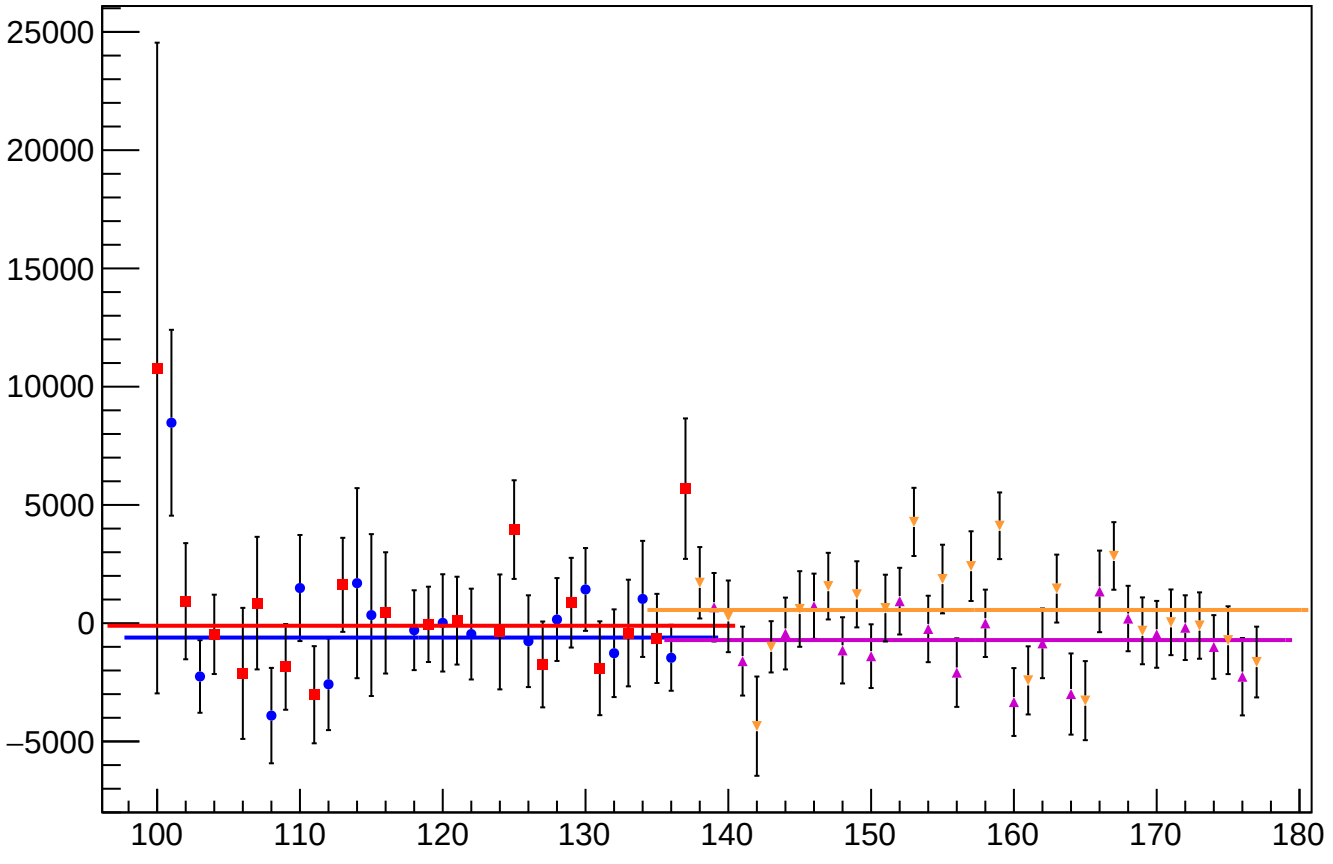
Left: 4193.331+/-0.537 χ^2/NDF: 2904108.9/39

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3987.977+/-0.605 χ^2/NDF:1859250.4/34

Out: 3701.960+/-0.554 χ^2/NDF:3205716.7/39

All: 3832.372+/-0.409 χ^2/NDF: 5186437.6/74



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 559.039+/-315.347 χ^2/NDF:40.5/20

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -714.052+/-332.363 χ^2/NDF:13.5/18

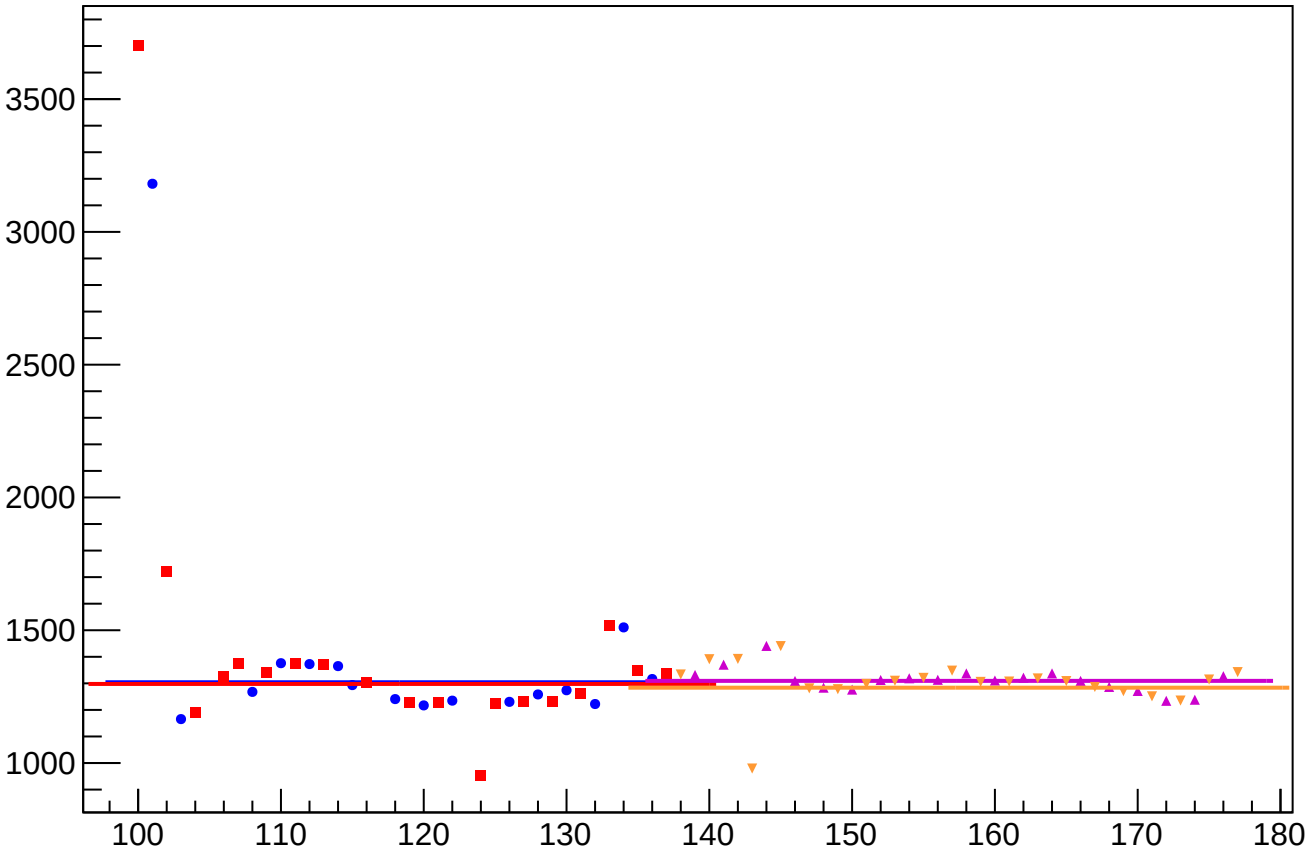
Left: -44.084+/-228.763 χ^2/NDF: 61.7/39

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -680.970+/-275.791 χ^2/NDF:27.6/34

Out: 360.968+/-264.466 χ^2/NDF:56.7/39

All: -138.169+/-190.884 χ^2/NDF: 91.8/74



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1283.700+/-0.223 χ^2/NDF:210712.2/20

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1309.348+/-0.235 χ^2/NDF:36215.6/18

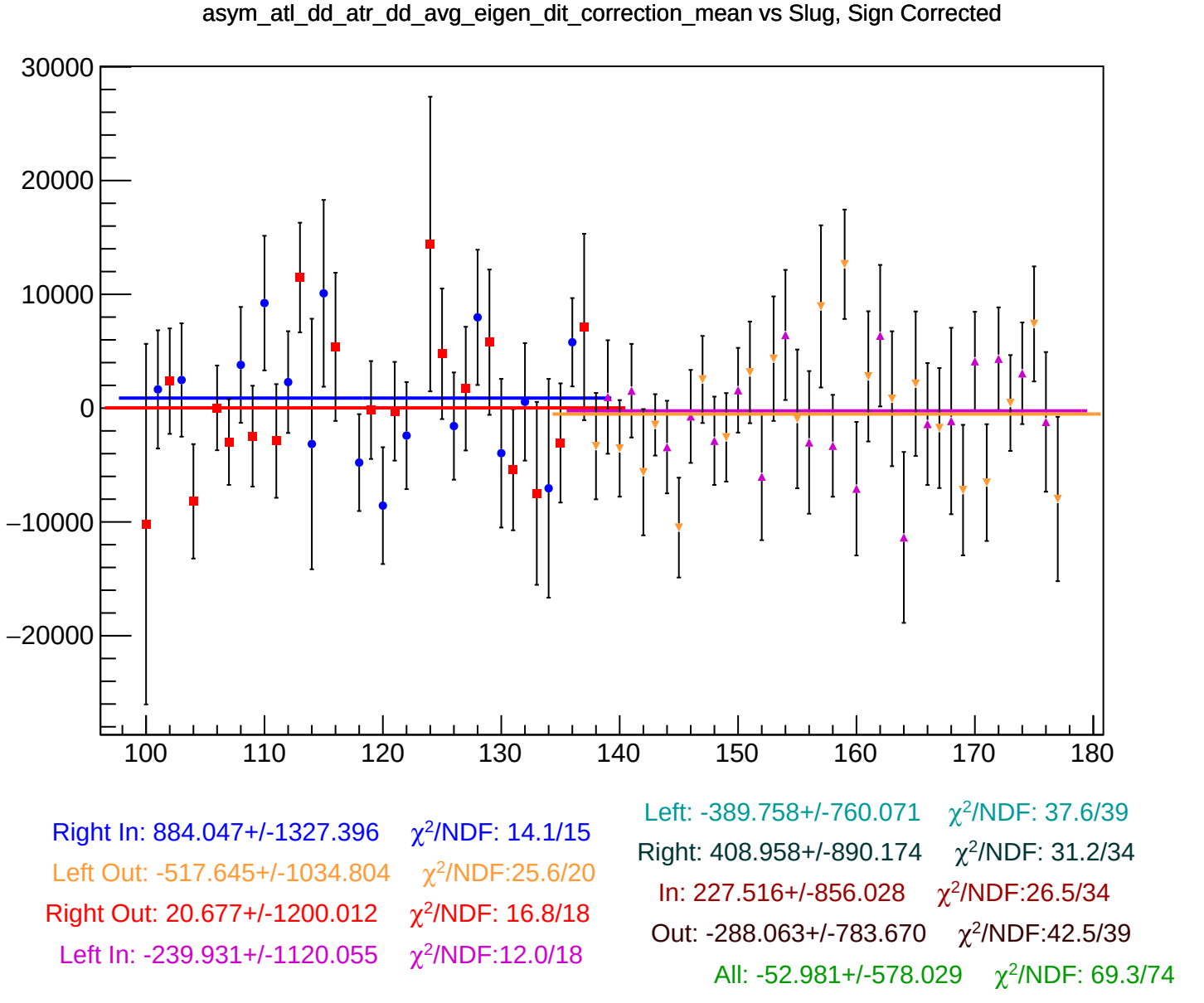
Left: 1295.850+/-0.162 χ^2/NDF: 253195.5/39

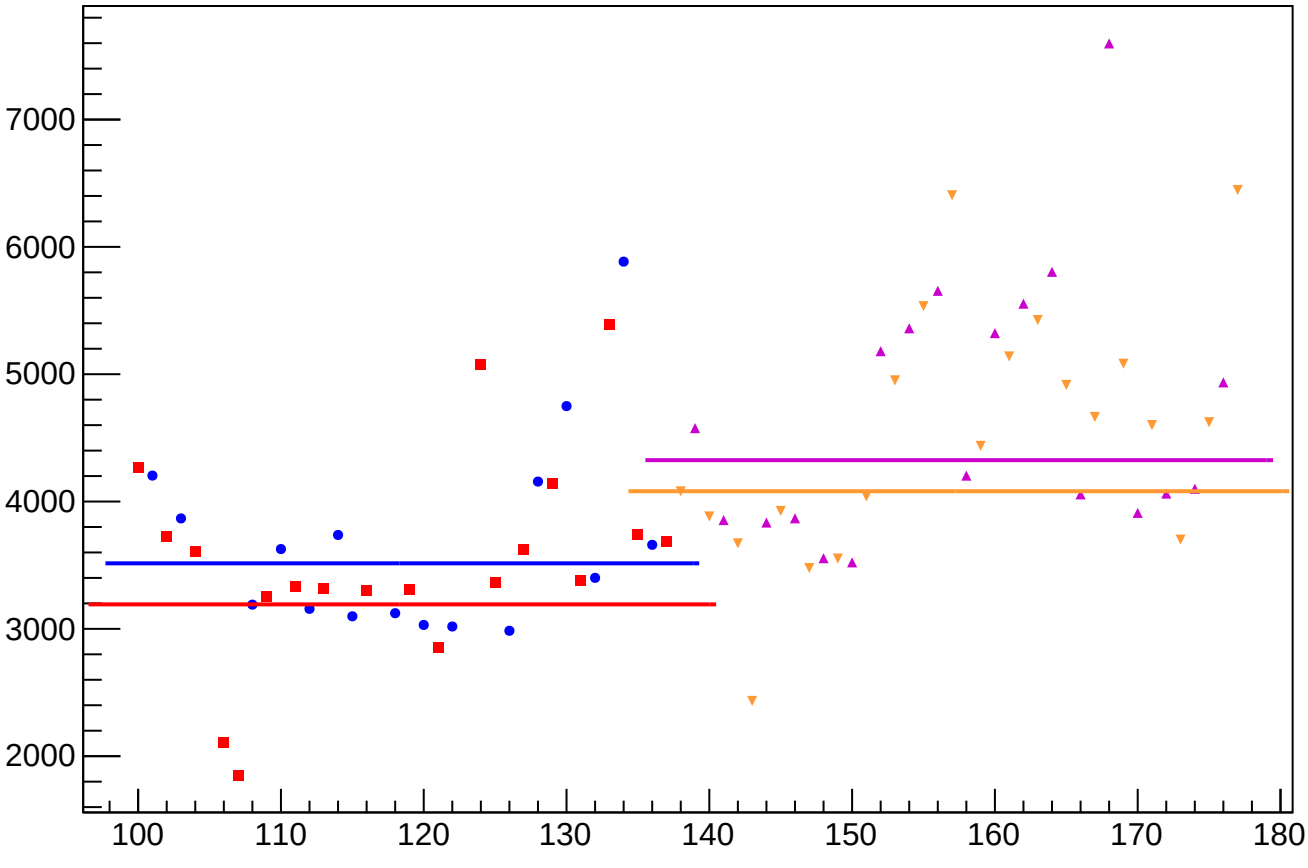
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1307.714+/-0.195 χ^2/NDF:546960.3/34

Out: 1287.886+/-0.187 χ^2/NDF:424996.0/39

All: 1297.382+/-0.135 χ^2/NDF: 977343.1/74


asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: 884.047+/-1327.396 χ²/NDF: 14.1/15
Left Out: -517.645+/-1034.804 χ²/NDF:25.6/20
Right Out: 20.677+/-1200.012 χ²/NDF: 16.8/18
Left In: -239.931+/-1120.055 χ²/NDF:12.0/18
Left: -389.758+/-760.071 χ²/NDF: 37.6/39
Right: 408.958+/-890.174 χ²/NDF: 31.2/34
In: 227.516+/-856.028 χ²/NDF:26.5/34
Out: -288.063+/-783.670 χ²/NDF:42.5/39
All: -52.981+/-578.029 χ²/NDF: 69.3/74



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4081.023+/-0.732 χ^2/NDF:1803962.4/20

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4324.920+/-0.792 χ^2/NDF:1048987.2/18

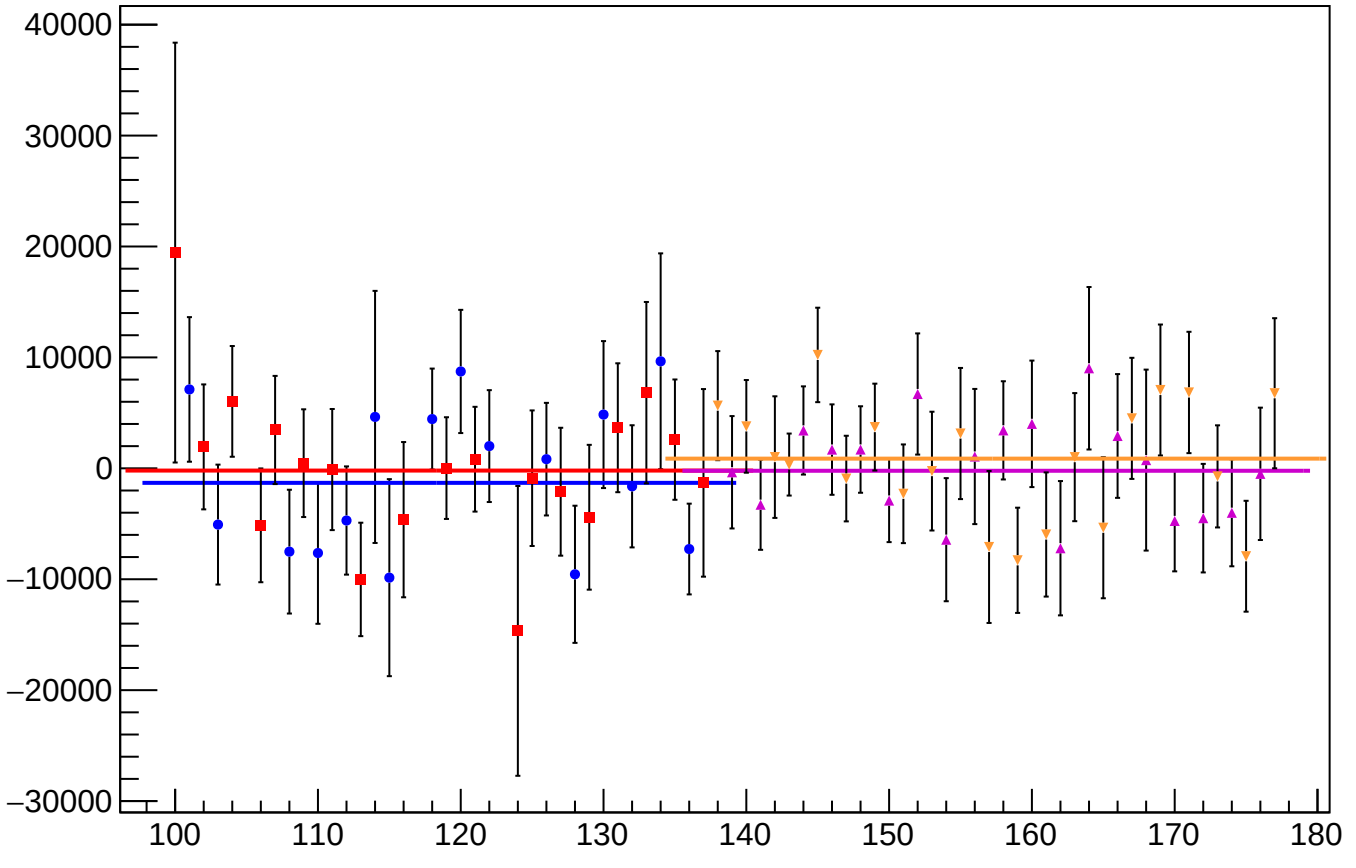
Left: 4193.338+/-0.537 χ^2/NDF: 2904112.5/39

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3987.975+/-0.605 χ^2/NDF:1859274.2/34

Out: 3701.959+/-0.554 χ^2/NDF:3205741.6/39

All: 3832.370+/-0.409 χ^2/NDF: 5186486.0/74



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 874.387+/-1043.434 χ^2/NDF:22.0/20

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: -220.440+/-1125.949 χ^2/NDF:12.1/18

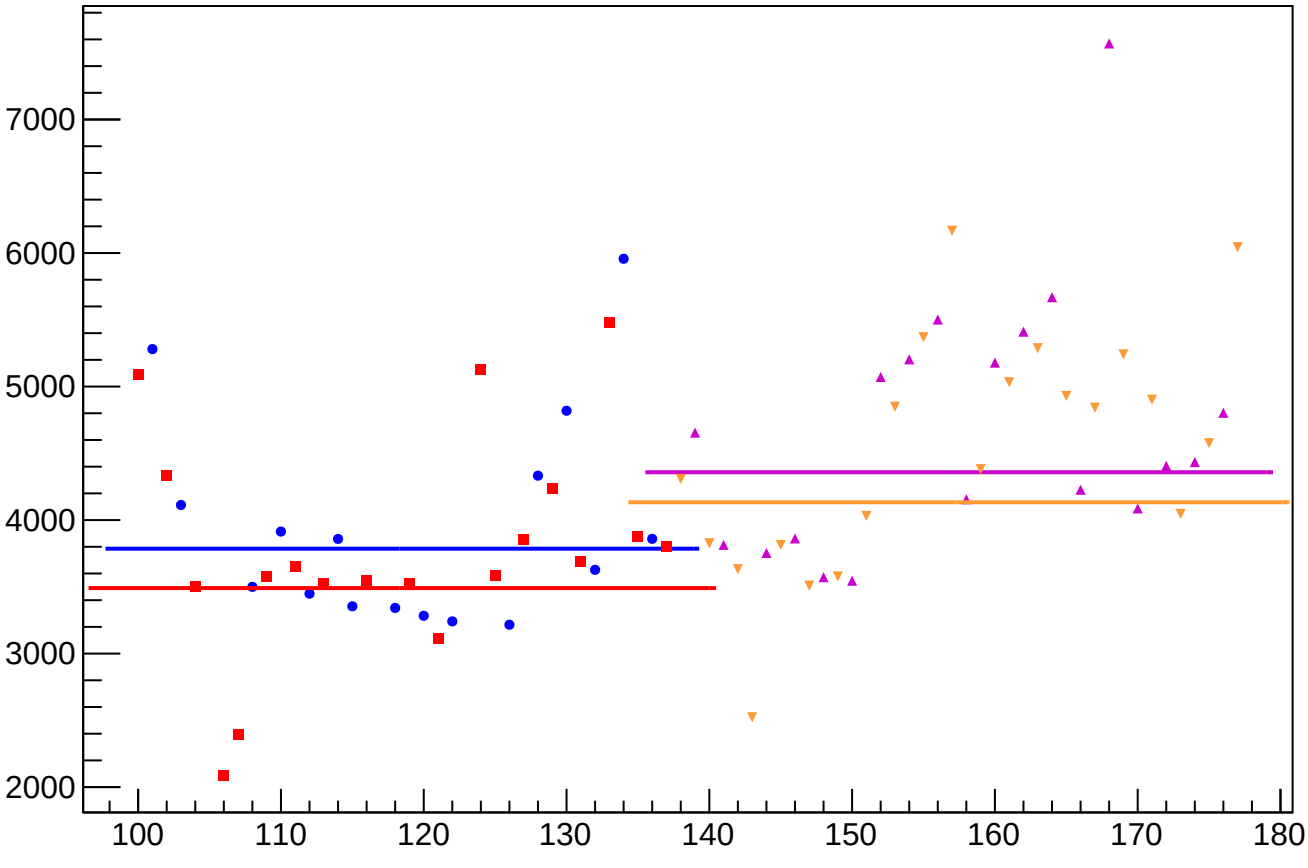
Left: 368.557+/-765.330 χ^2/NDF: 34.6/39

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -636.584+/-885.024 χ^2/NDF:30.1/34

Out: 466.749+/-822.360 χ^2/NDF:34.0/39

All: -44.478+/-602.433 χ^2/NDF: 64.9/74



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4133.516+/-0.738 χ^2/NDF:1585866.2/20

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4358.299+/-0.796 χ^2/NDF:945027.1/18

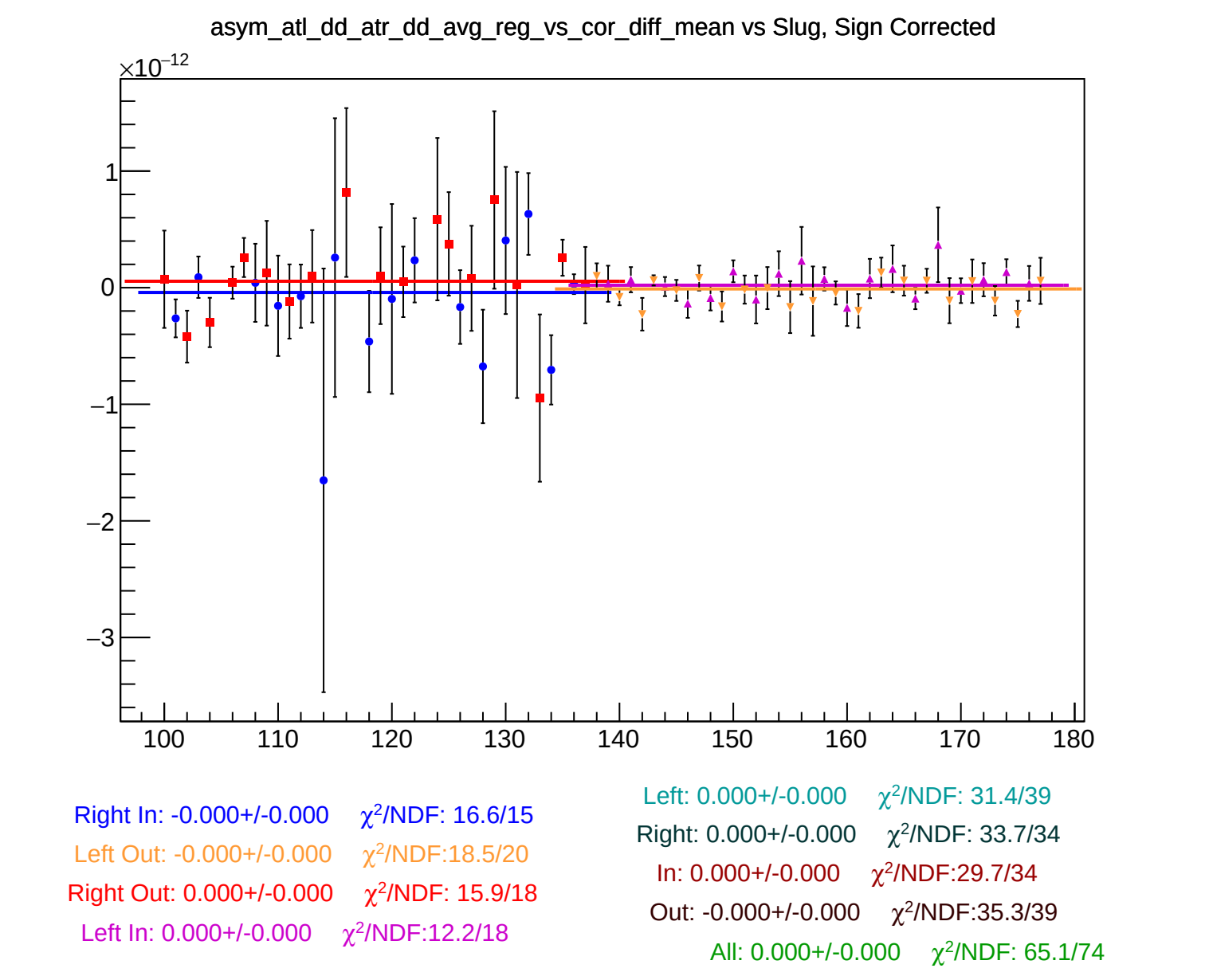
Left: 4237.370+/-0.541 χ^2/NDF: 2573776.6/39

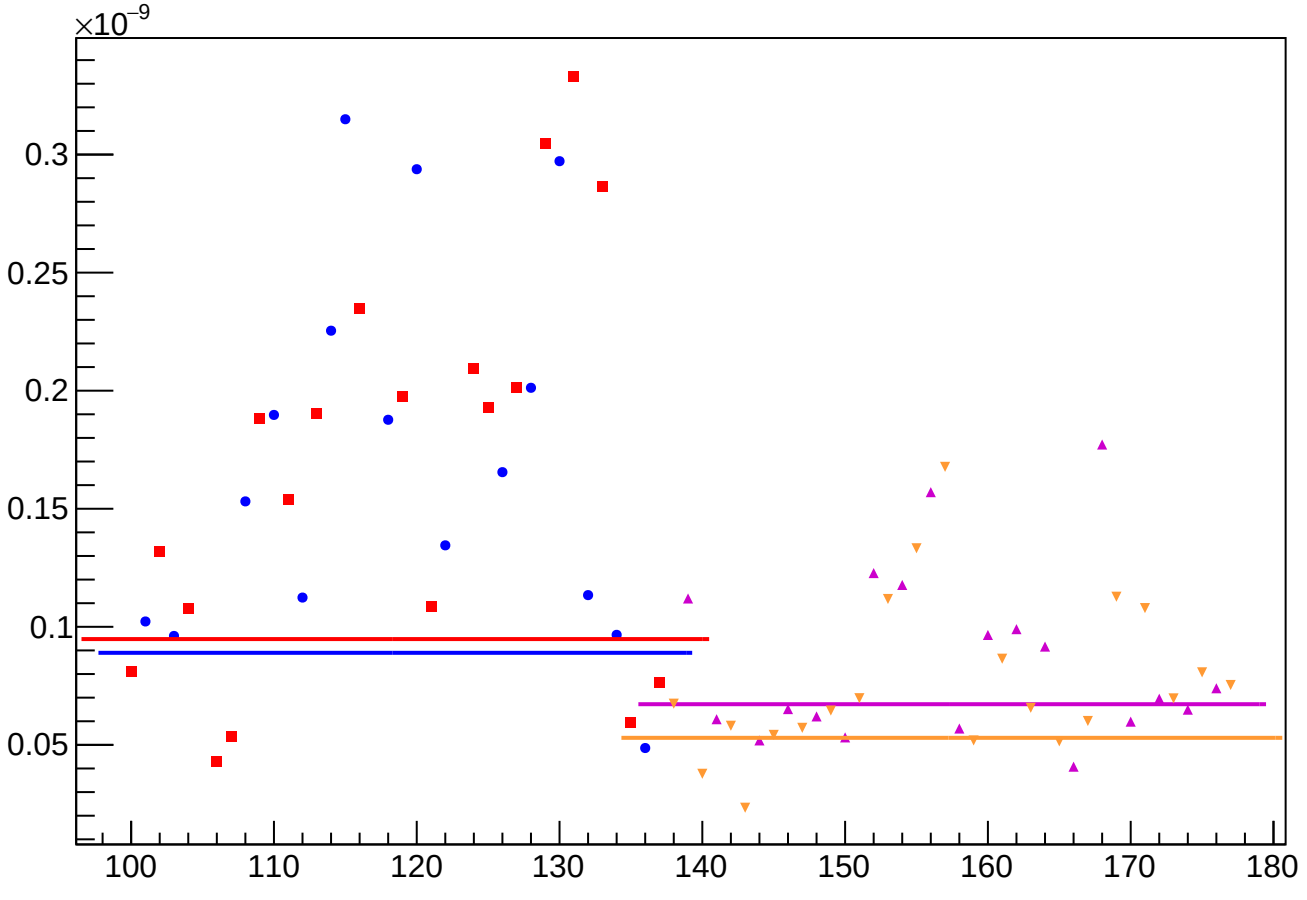
Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4139.497+/-0.626 χ^2/NDF:1525643.6/34

Out: 3885.783+/-0.578 χ^2/NDF:2465150.4/39

All: 4002.680+/-0.425 χ^2/NDF: 4079429.5/74


asym_atl_dd_atr_dd_avg_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:18.5/20
Right Out: 0.000+/-0.000 χ²/NDF: 15.9/18
Left In: 0.000+/-0.000 χ²/NDF:12.2/18
Left: 0.000+/-0.000 χ²/NDF: 31.4/39
Right: 0.000+/-0.000 χ²/NDF: 33.7/34
In: 0.000+/-0.000 χ²/NDF:29.7/34
Out: -0.000+/-0.000 χ²/NDF:35.3/39
All: 0.000+/-0.000 χ²/NDF: 65.1/74



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2547856.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1380140.5/18

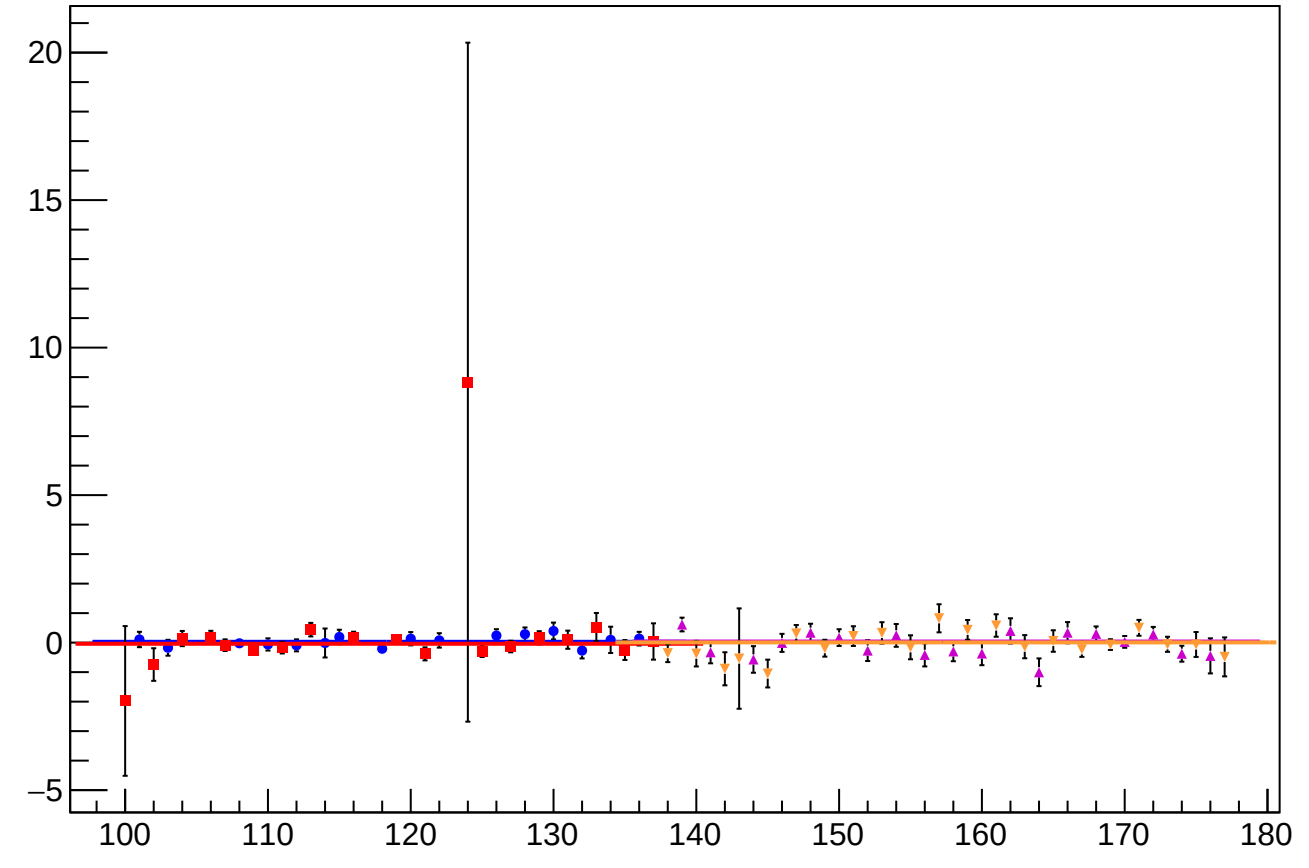
Left: 0.000+/-0.000 χ^2/NDF: 4222315.4/39

Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:3060442.4/34

Out: 0.000+/-0.000 χ^2/NDF:5037116.3/39

All: 0.000+/-0.000 χ^2/NDF: 8415214.6/74



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.008+/-0.073 χ^2/NDF:24.8/20

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.037+/-0.072 χ^2/NDF:25.8/18

Left: 0.023+/-0.051 χ^2/NDF: 50.8/39

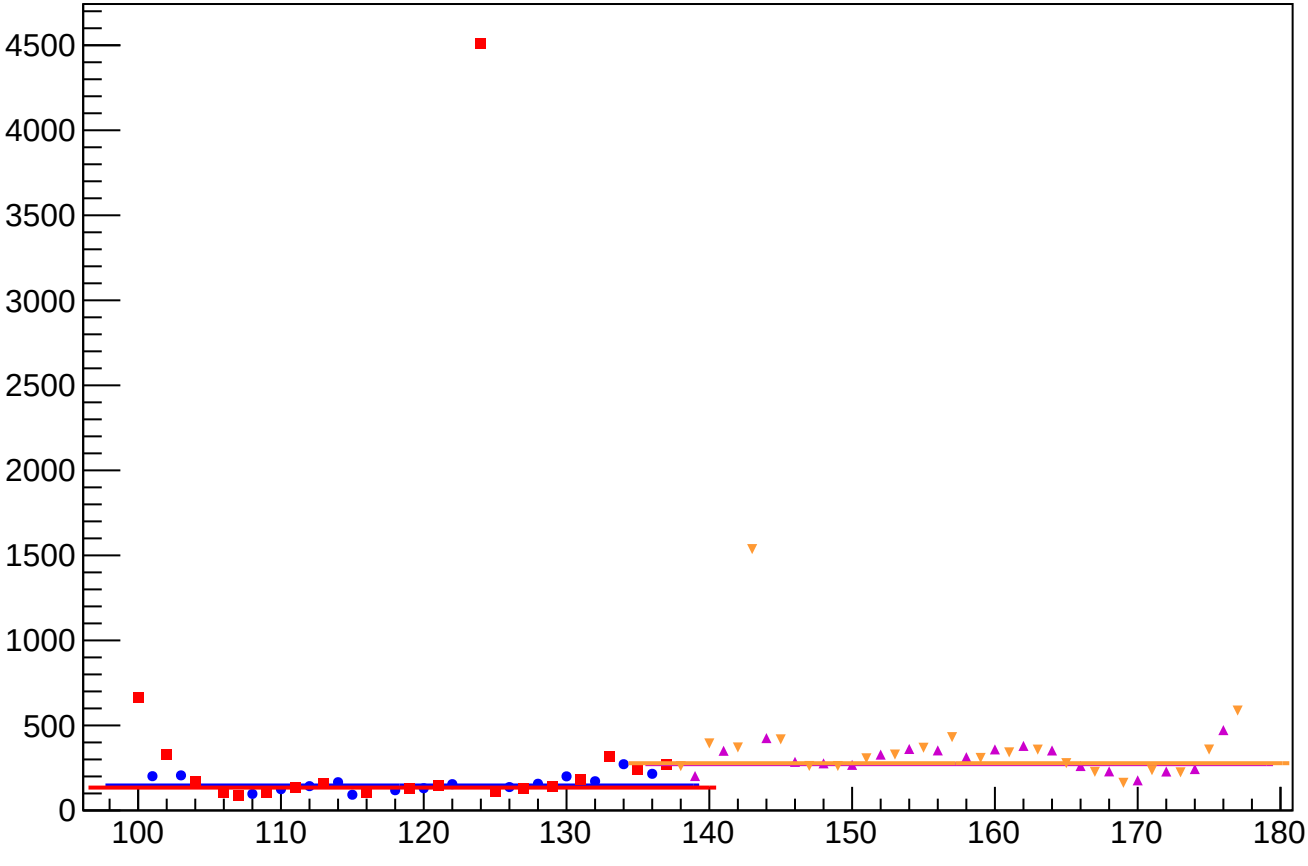
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.031+/-0.045 χ^2/NDF:35.3/34

Out: -0.022+/-0.044 χ^2/NDF:45.1/39

All: 0.004+/-0.031 χ^2/NDF: 81.1/74

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: 277.862+/-0.052 χ^2/NDF:3536745.3/20

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 272.245+/-0.051 χ^2/NDF:1877539.7/18

Left: 275.026+/-0.036 χ^2/NDF: 5420271.0/39

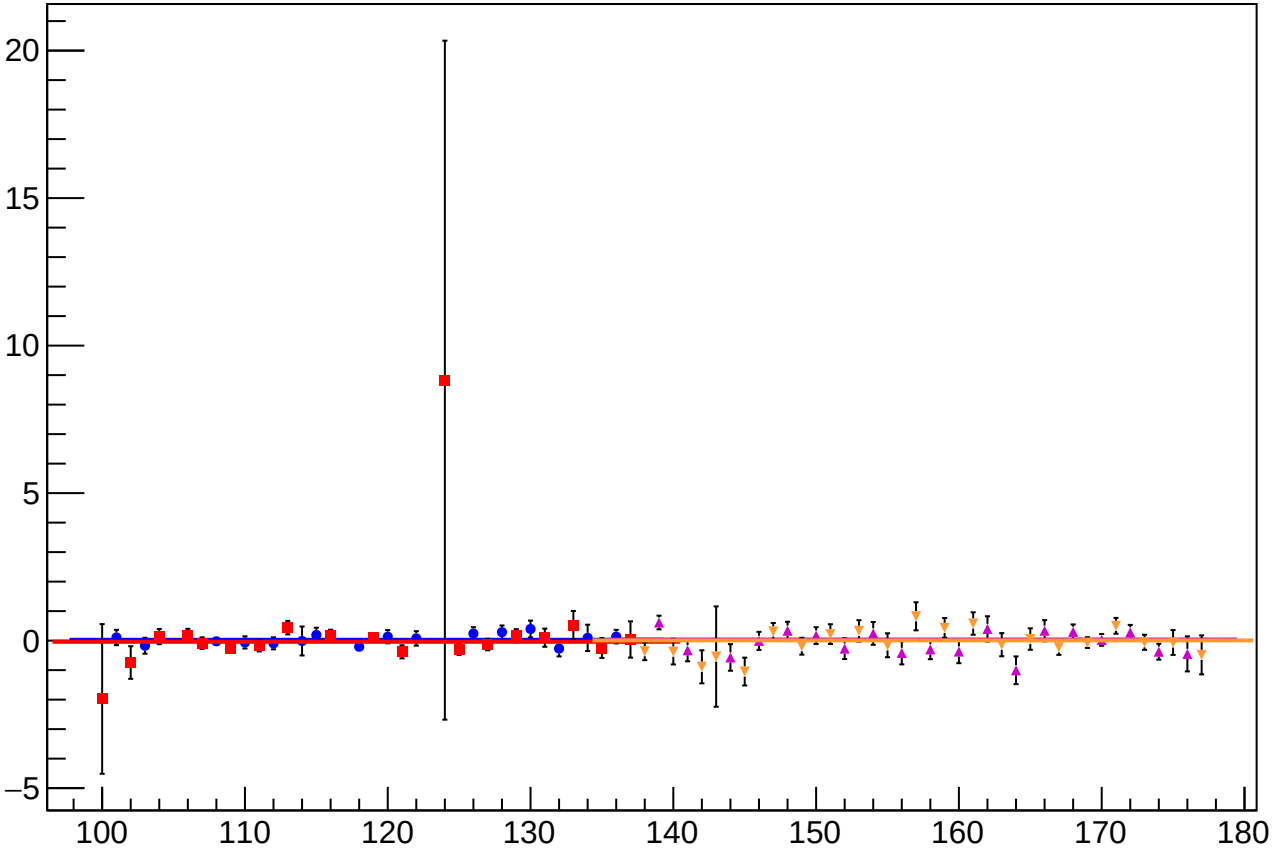
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 195.682+/-0.032 χ^2/NDF:6556599.8/34

Out: 186.188+/-0.031 χ^2/NDF:10081368.0/39

All: 190.798+/-0.022 χ^2/NDF: 16683591.3/74

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: 0.008+/-0.073 χ^2/NDF:24.8/20

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.037+/-0.072 χ^2/NDF:25.8/18

Left: 0.023+/-0.051 χ^2/NDF: 50.8/39

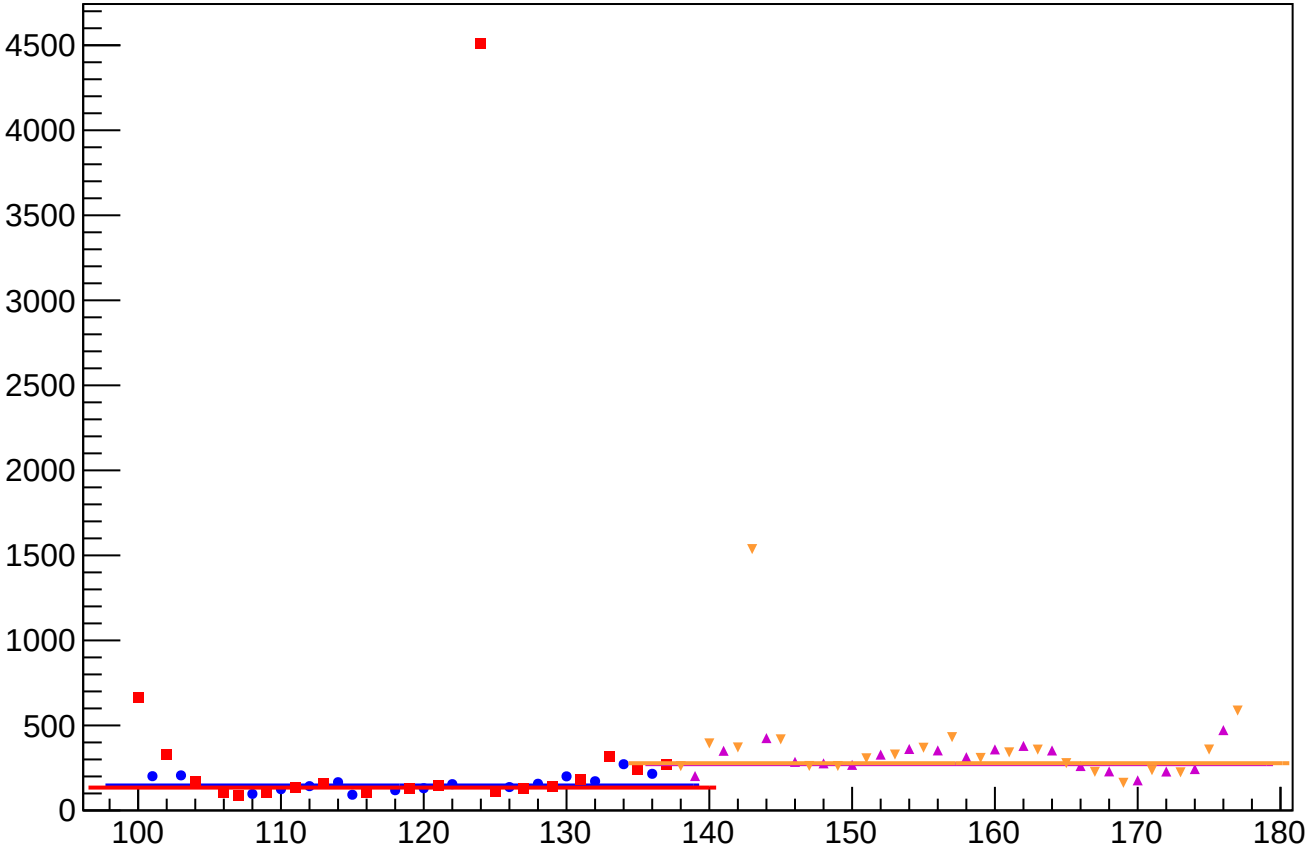
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.031+/-0.045 χ^2/NDF:35.3/34

Out: -0.022+/-0.044 χ^2/NDF:45.1/39

All: 0.004+/-0.031 χ^2/NDF: 81.1/74

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: 277.862+/-0.052 χ^2/NDF:3536745.3/20

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 272.245+/-0.051 χ^2/NDF:1877539.7/18

Left: 275.026+/-0.036 χ^2/NDF: 5420271.0/39

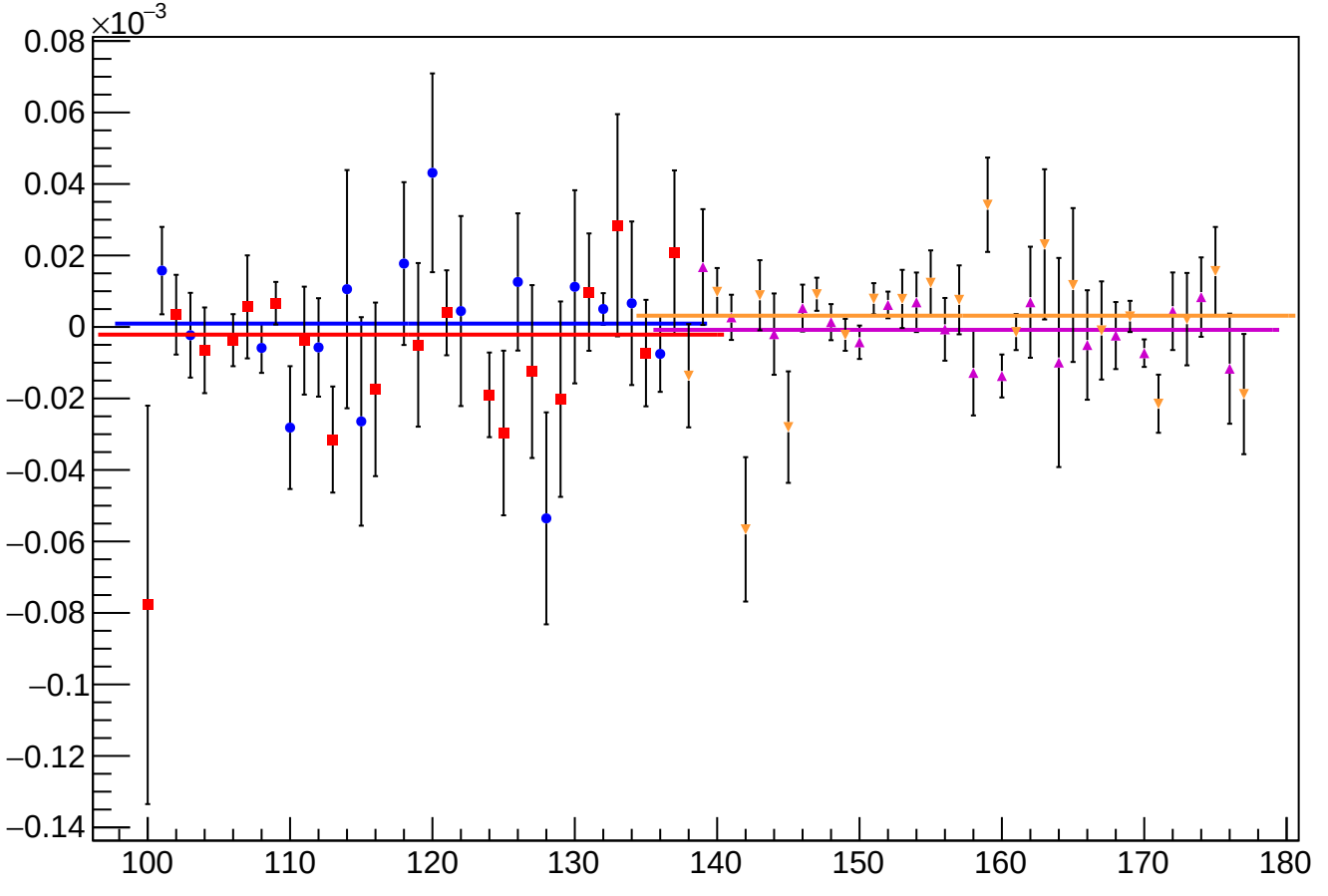
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 195.682+/-0.032 χ^2/NDF:6556599.8/34

Out: 186.188+/-0.031 χ^2/NDF:10081368.0/39

All: 190.798+/-0.022 χ^2/NDF: 16683591.3/74

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:40.7/20

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

Left In: -0.000+/-0.000 χ^2/NDF:17.8/18

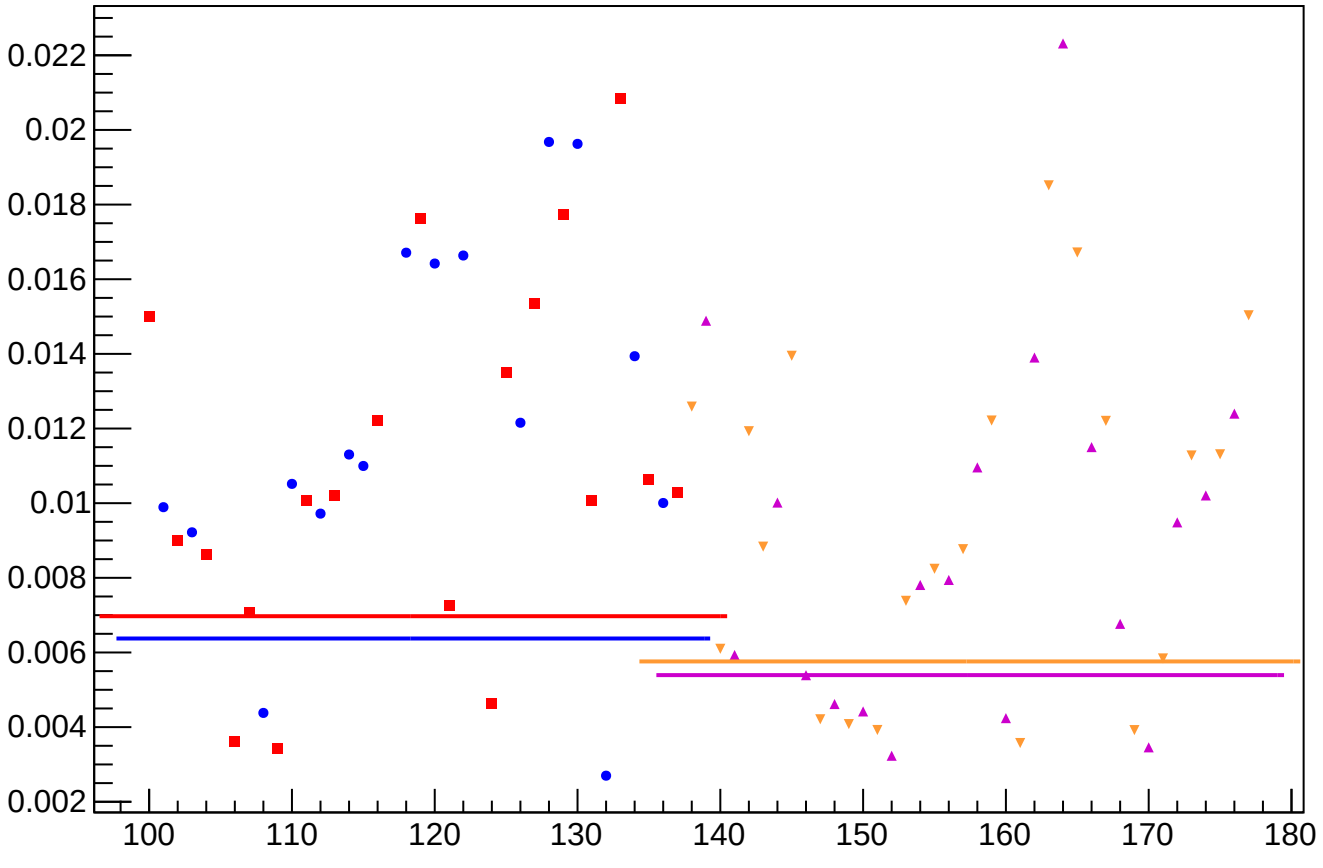
Left: 0.000+/-0.000 χ^2/NDF: 61.5/39

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: -0.000+/-0.000 χ^2/NDF:32.9/34

Out: 0.000+/-0.000 χ^2/NDF:59.1/39

All: 0.000+/-0.000 χ^2/NDF: 93.4/74



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:6952917.2/20

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:5892788.8/18

Left: 0.006+/-0.000 χ^2/NDF: 12896576.1/39

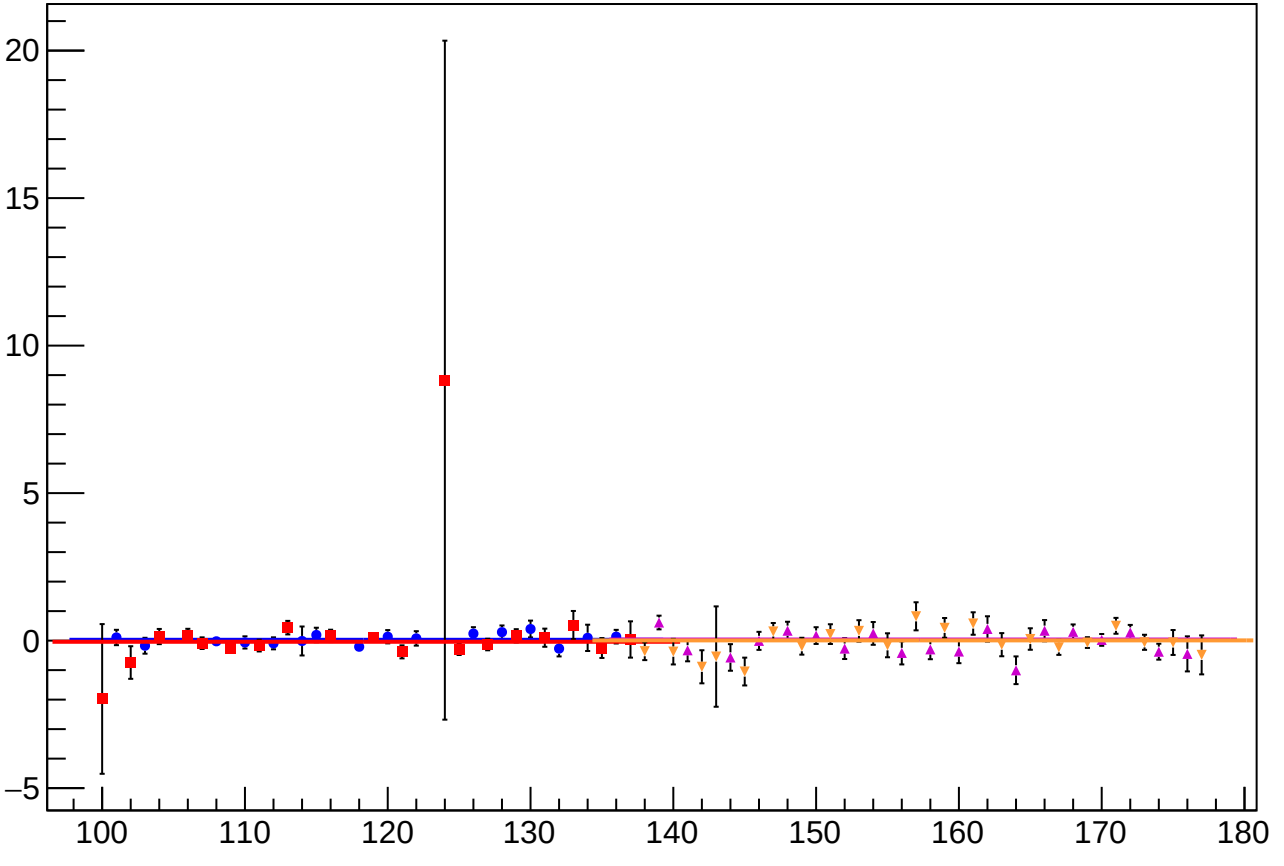
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:10705200.3/34

Out: 0.006+/-0.000 χ^2/NDF:10612034.2/39

All: 0.006+/-0.000 χ^2/NDF: 21403034.2/74

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: 0.008+/-0.073 χ^2/NDF:24.8/20

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.037+/-0.072 χ^2/NDF:25.8/18

Left: 0.023+/-0.051 χ^2/NDF: 50.8/39

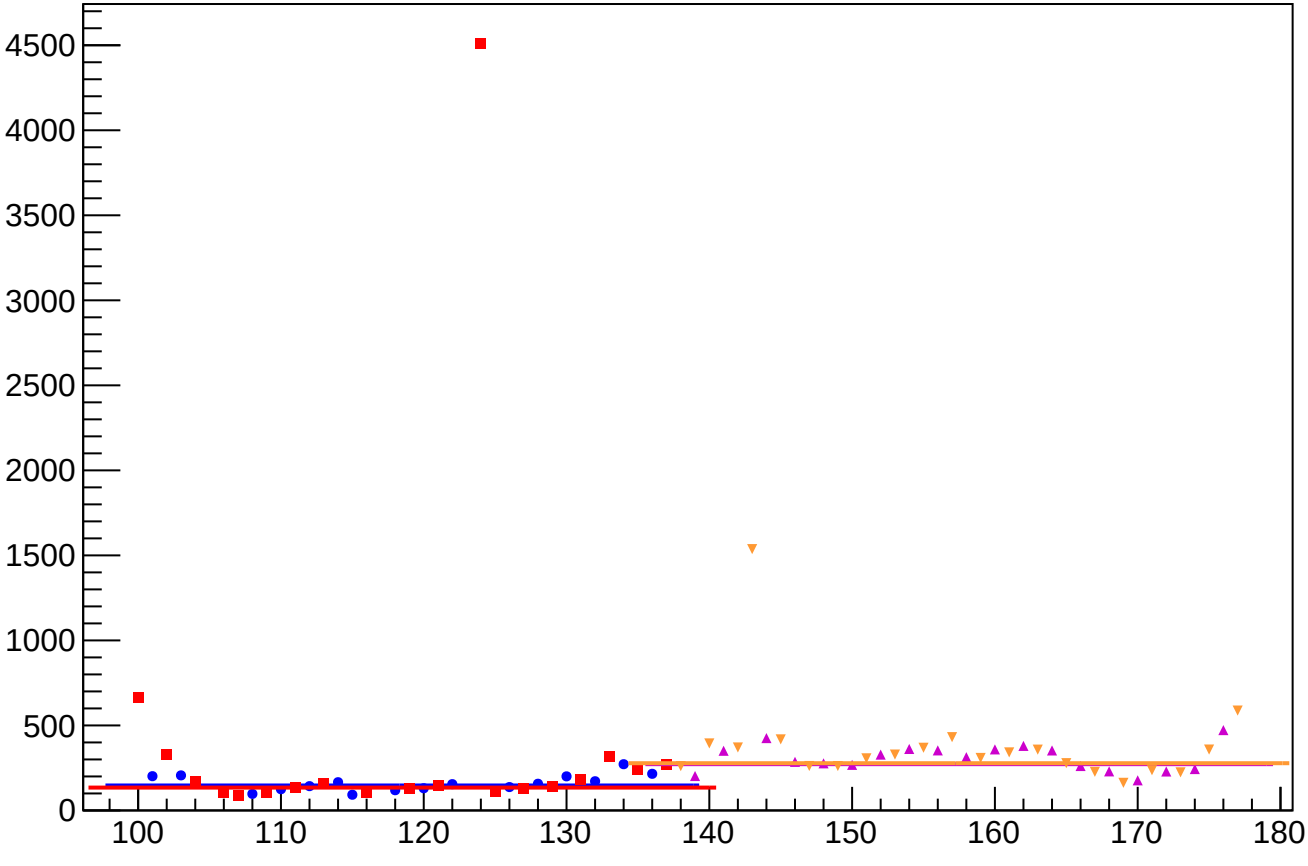
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.031+/-0.045 χ^2/NDF:35.3/34

Out: -0.022+/-0.044 χ^2/NDF:45.1/39

All: 0.004+/-0.031 χ^2/NDF: 81.1/74

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: 277.862+/-0.052 χ^2/NDF:3536897.0/20

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 272.247+/-0.051 χ^2/NDF:1877615.8/18

Left: 275.027+/-0.036 χ^2/NDF: 5420495.7/39

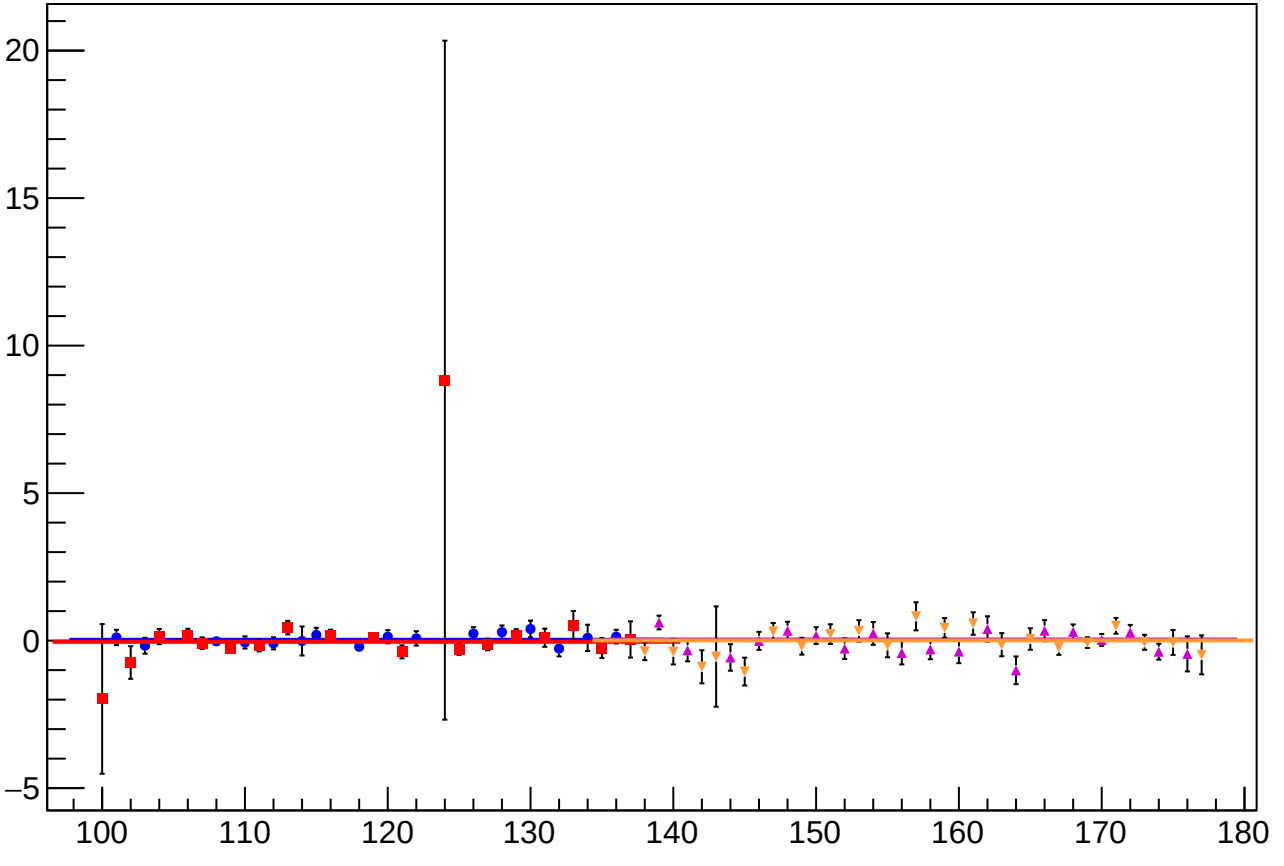
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 195.682+/-0.032 χ^2/NDF:6556680.4/34

Out: 186.189+/-0.031 χ^2/NDF:10081320.3/39

All: 190.799+/-0.022 χ^2/NDF: 16683613.6/74

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: 0.008+/-0.073 χ^2/NDF:24.8/20

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.037+/-0.072 χ^2/NDF:25.8/18

Left: 0.023+/-0.051 χ^2/NDF: 50.8/39

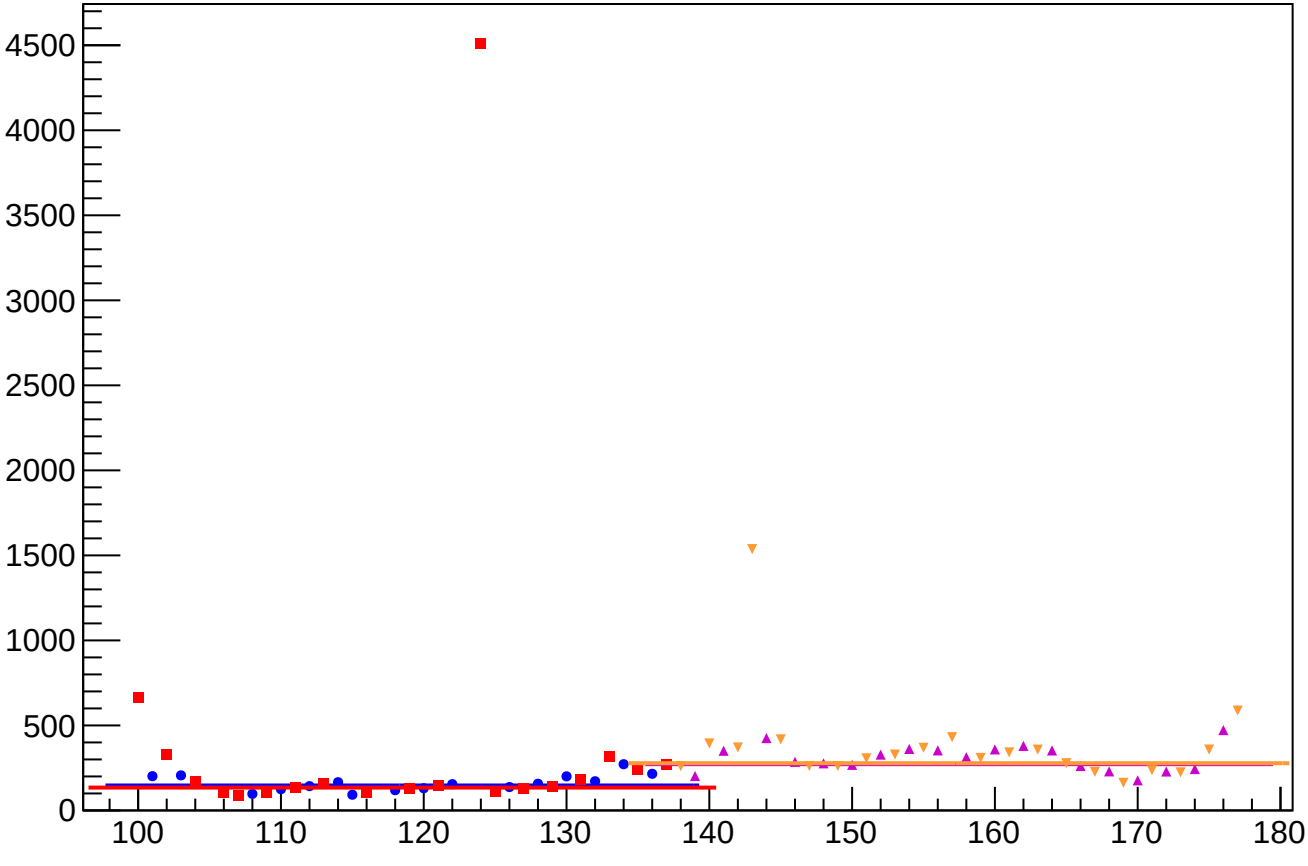
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.031+/-0.045 χ^2/NDF:35.3/34

Out: -0.022+/-0.044 χ^2/NDF:45.1/39

All: 0.004+/-0.031 χ^2/NDF: 81.1/74

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: 277.862+/-0.052 χ^2/NDF:3536897.0/20

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 272.247+/-0.051 χ^2/NDF:1877615.8/18

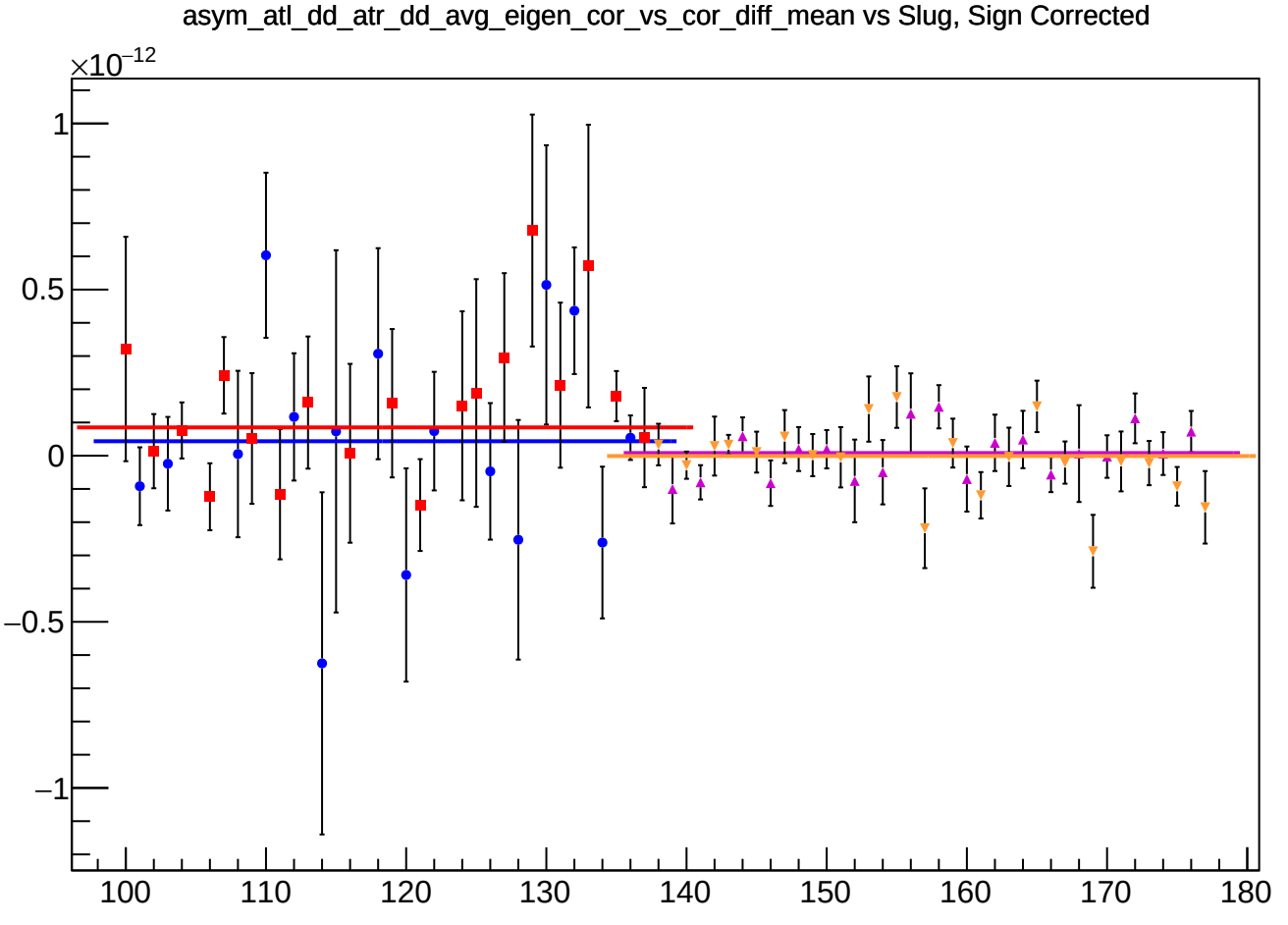
Left: 275.027+/-0.036 χ^2/NDF: 5420495.7/39

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 195.682+/-0.032 χ^2/NDF:6556680.4/34

Out: 186.189+/-0.031 χ^2/NDF:10081320.3/39

All: 190.799+/-0.022 χ^2/NDF: 16683613.6/74



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:18.5/18

Left: 0.000+/-0.000 χ^2/NDF: 48.8/39

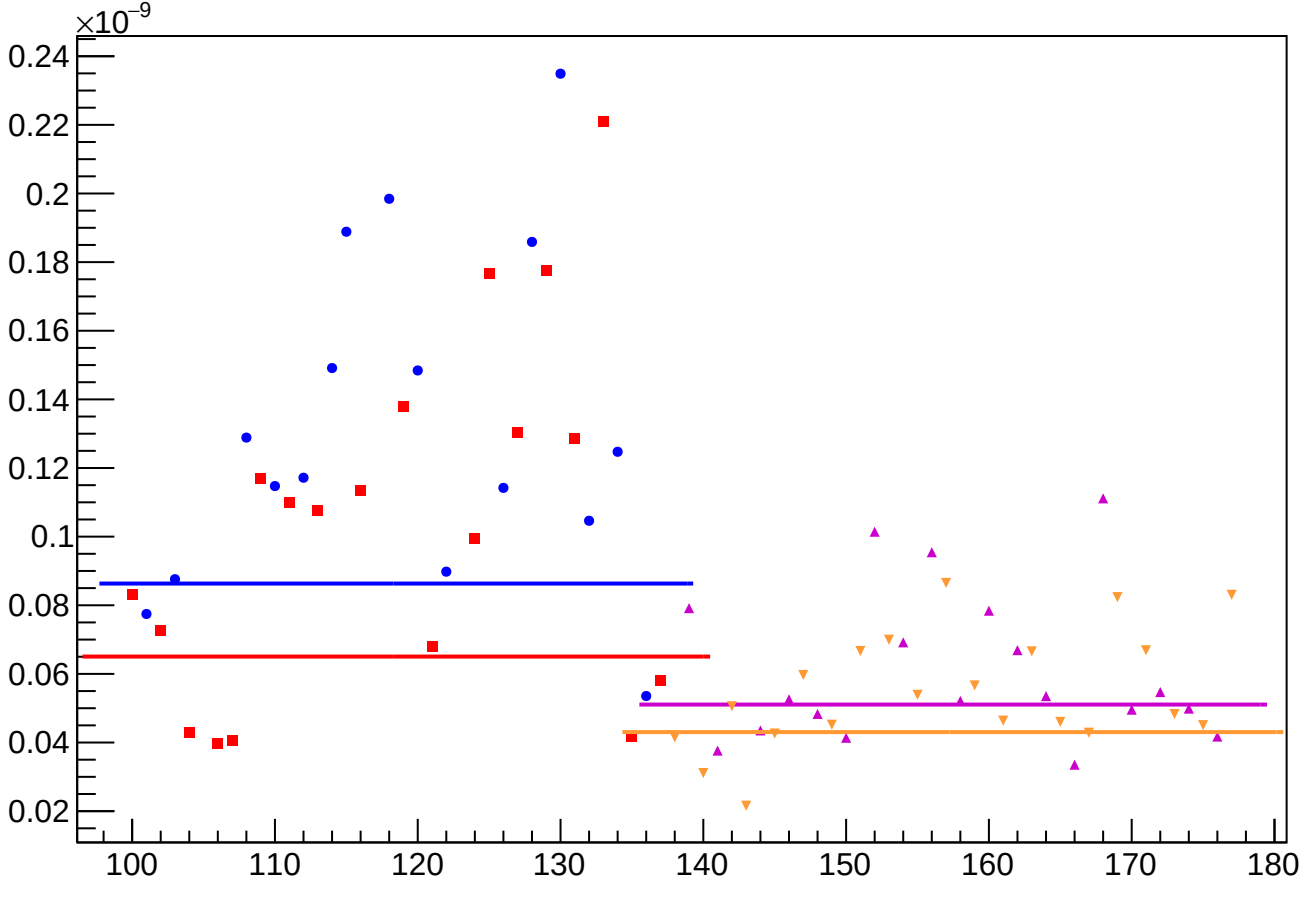
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:38.1/34

Out: 0.000+/-0.000 χ^2/NDF:53.8/39

All: 0.000+/-0.000 χ^2/NDF: 91.9/74

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:2798956.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1882647.6/18

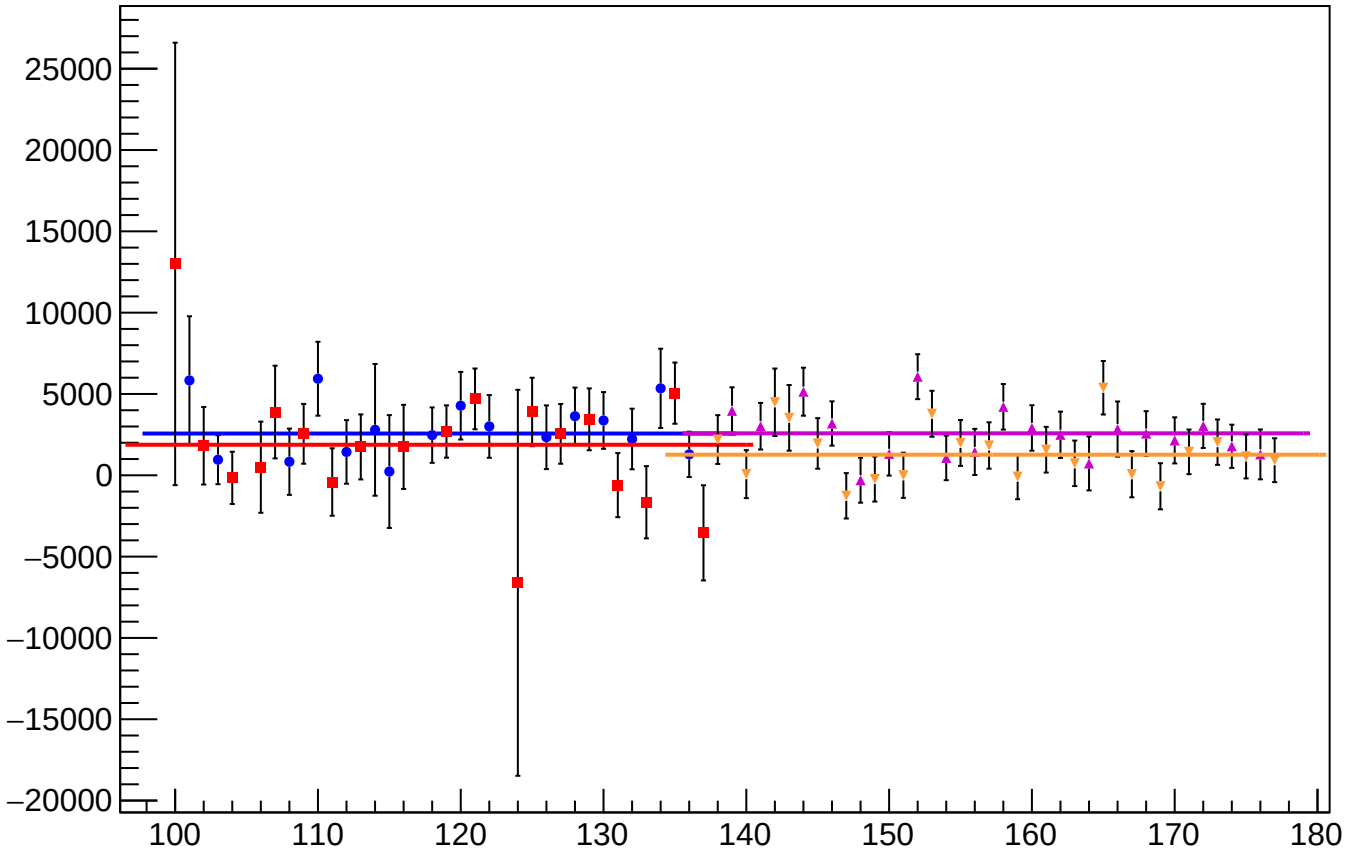
Left: 0.000+/-0.000 χ^2/NDF: 4953717.1/39

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:4634489.8/34

Out: 0.000+/-0.000 χ^2/NDF:5662511.0/39

All: 0.000+/-0.000 χ^2/NDF: 10723004.8/74



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1267.308+/-318.095 χ^2/NDF:24.2/20

Right Out: 1878.030+/-494.719 χ^2/NDF: 19.5/18

Left In: 2580.368+/-326.440 χ^2/NDF:21.7/18

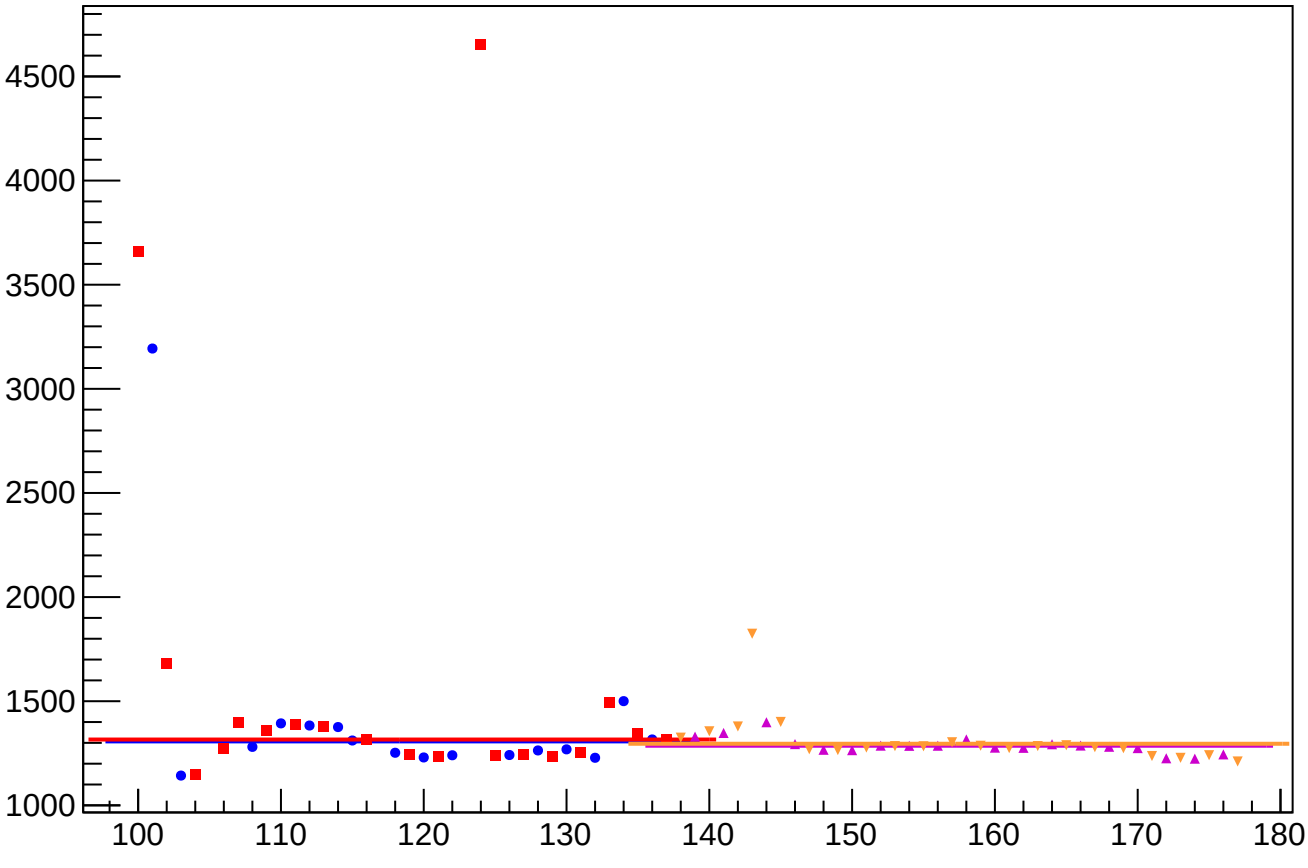
Left: 1906.840+/-227.820 χ^2/NDF: 54.1/39

Right: 2222.296+/-350.047 χ^2/NDF: 29.6/34

In: 2576.460+/-272.576 χ^2/NDF:30.7/34

Out: 1445.943+/-267.559 χ^2/NDF:44.8/39

All: 2000.702+/-190.942 χ^2/NDF: 84.2/74



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1295.682+/-0.225 χ^2/NDF:176718.3/20

Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1286.240+/-0.231 χ^2/NDF:29238.6/18

Left: 1291.083+/-0.161 χ^2/NDF: 206815.2/39

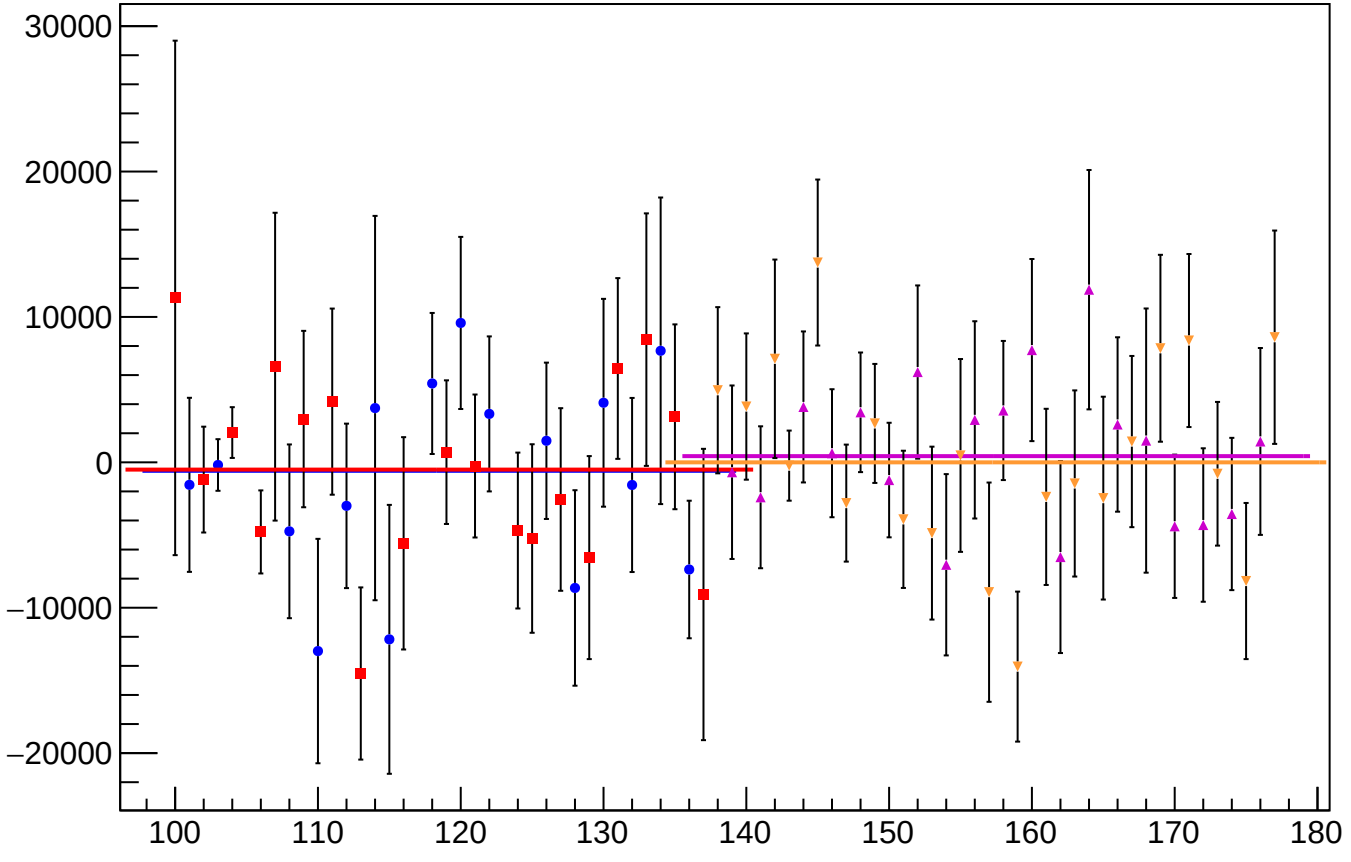
Right: 1311.551+/-0.247 χ^2/NDF: 842995.4/34

In: 1292.546+/-0.193 χ^2/NDF:547952.9/34

Out: 1301.647+/-0.189 χ^2/NDF:505533.8/39

All: 1297.185+/-0.135 χ^2/NDF: 1054623.1/74

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: -1.516+/-1107.969 χ^2/NDF:26.9/20

Right Out: -500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: 426.235+/-1247.599 χ^2/NDF:11.4/18

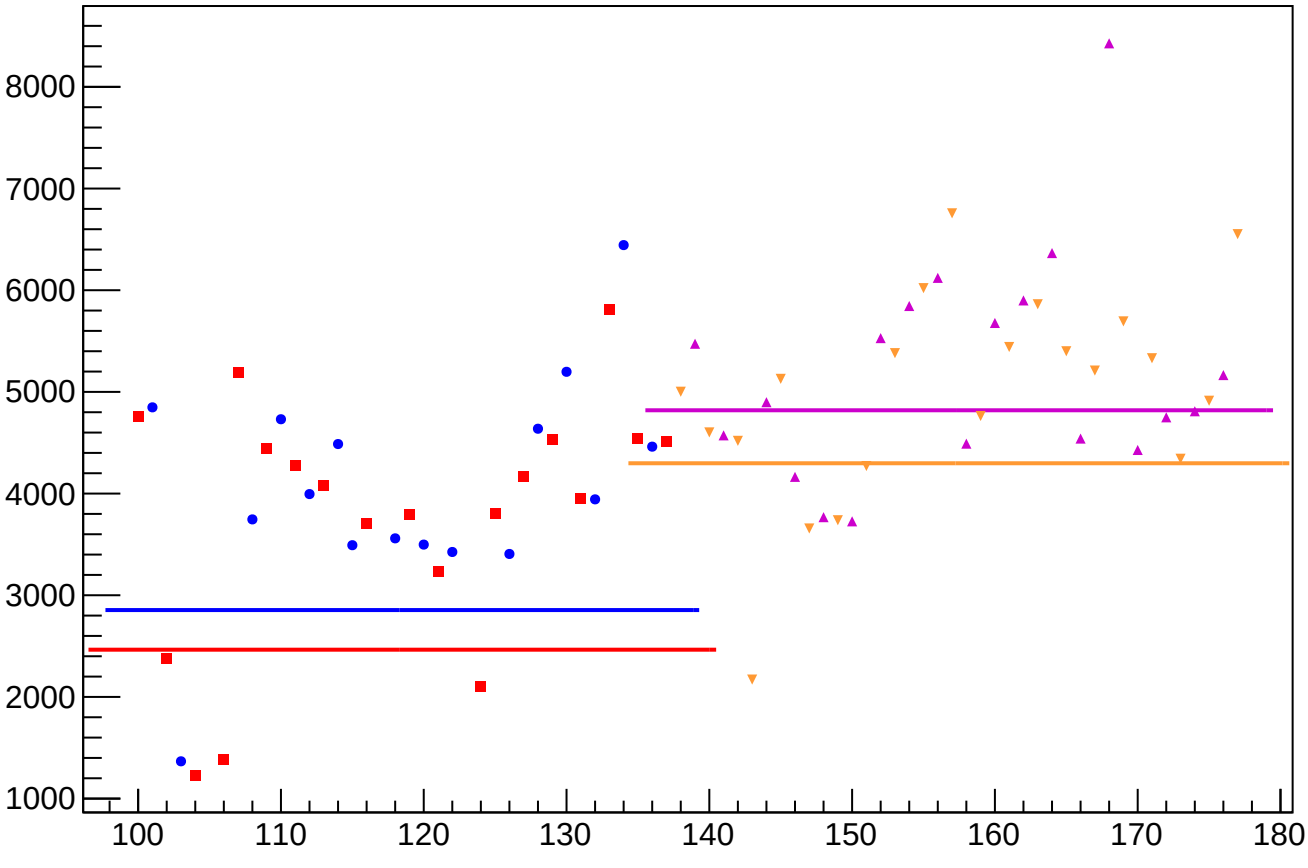
Left: 187.093+/-828.439 χ^2/NDF: 38.3/39

Right: -535.969+/-790.447 χ^2/NDF: 32.4/34

In: -100.375+/-862.182 χ^2/NDF:26.4/34

Out: -262.907+/-764.202 χ^2/NDF:44.7/39

All: -191.397+/-571.890 χ^2/NDF: 71.2/74



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 4298.154+/-0.783 χ^2/NDF:2816029.8/20

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

Left In: 4819.254+/-0.882 χ^2/NDF:1024209.6/18

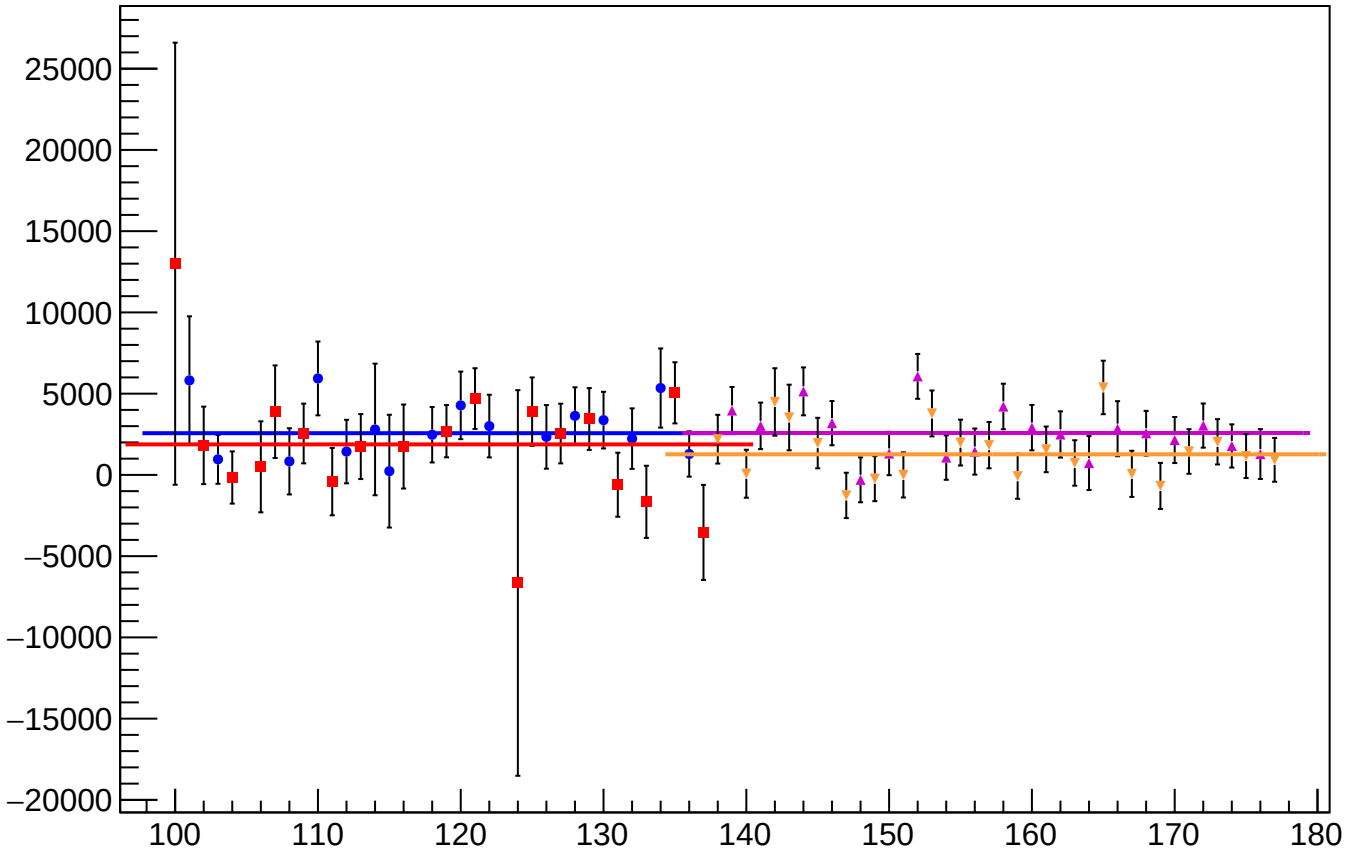
Left: 4527.924+/-0.586 χ^2/NDF: 4035308.0/39

Right: 2635.714+/-0.559 χ^2/NDF: 6380500.9/34

In: 3792.727+/-0.610 χ^2/NDF:6520841.2/34

Out: 3336.874+/-0.540 χ^2/NDF:9043550.5/39

All: 3537.438+/-0.404 χ^2/NDF: 15877496.9/7



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1267.246+/-318.095 χ^2/NDF:24.2/20

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 2580.385+/-326.440 χ^2/NDF:21.7/18

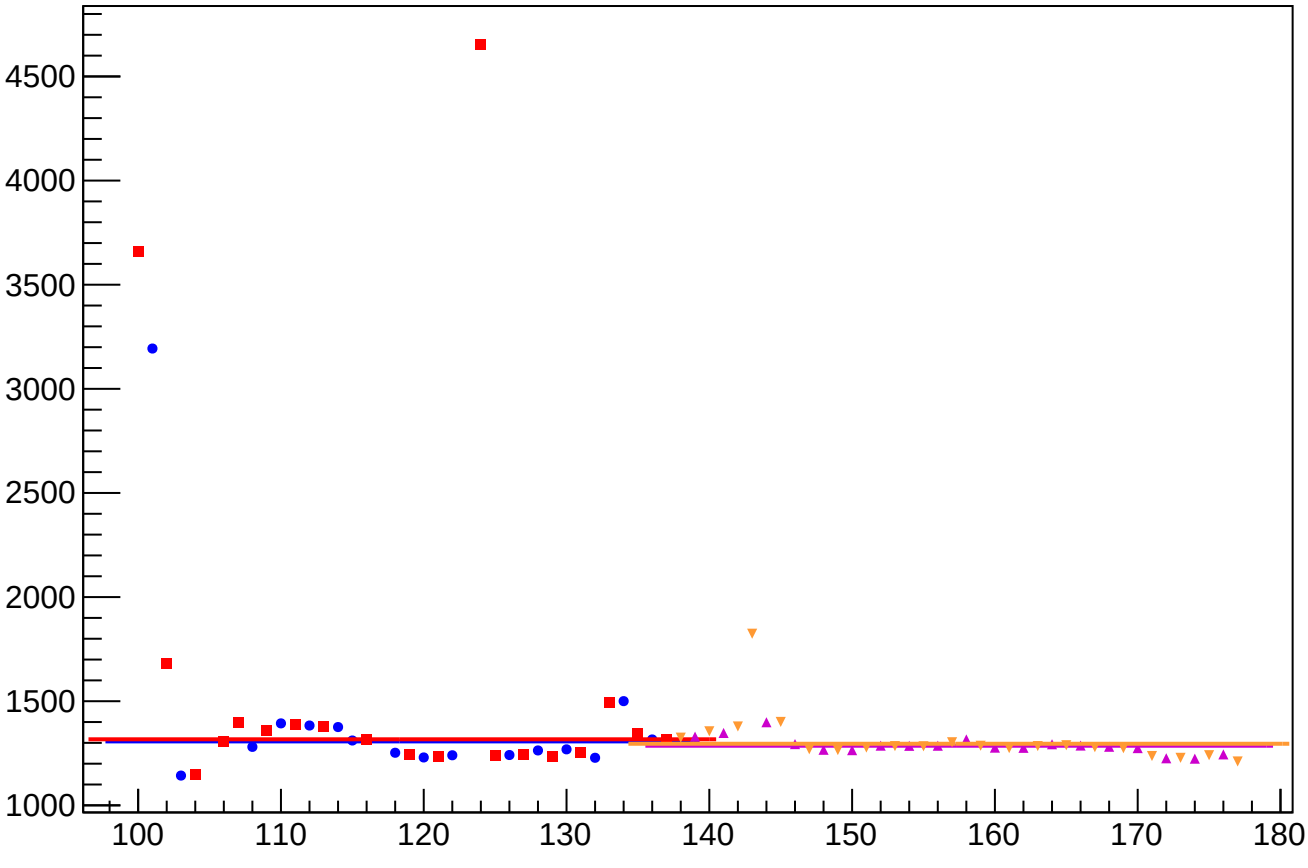
Left: 1906.816+/-227.820 χ^2/NDF: 54.1/39

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2576.387+/-272.576 χ^2/NDF:30.7/34

Out: 1445.824+/-267.559 χ^2/NDF:44.8/39

All: 2000.605+/-190.942 χ^2/NDF: 84.2/74



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1295.682+/-0.225 χ^2/NDF:176718.3/20

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1286.240+/-0.231 χ^2/NDF:29238.6/18

Left: 1291.083+/-0.161 χ^2/NDF: 206815.2/39

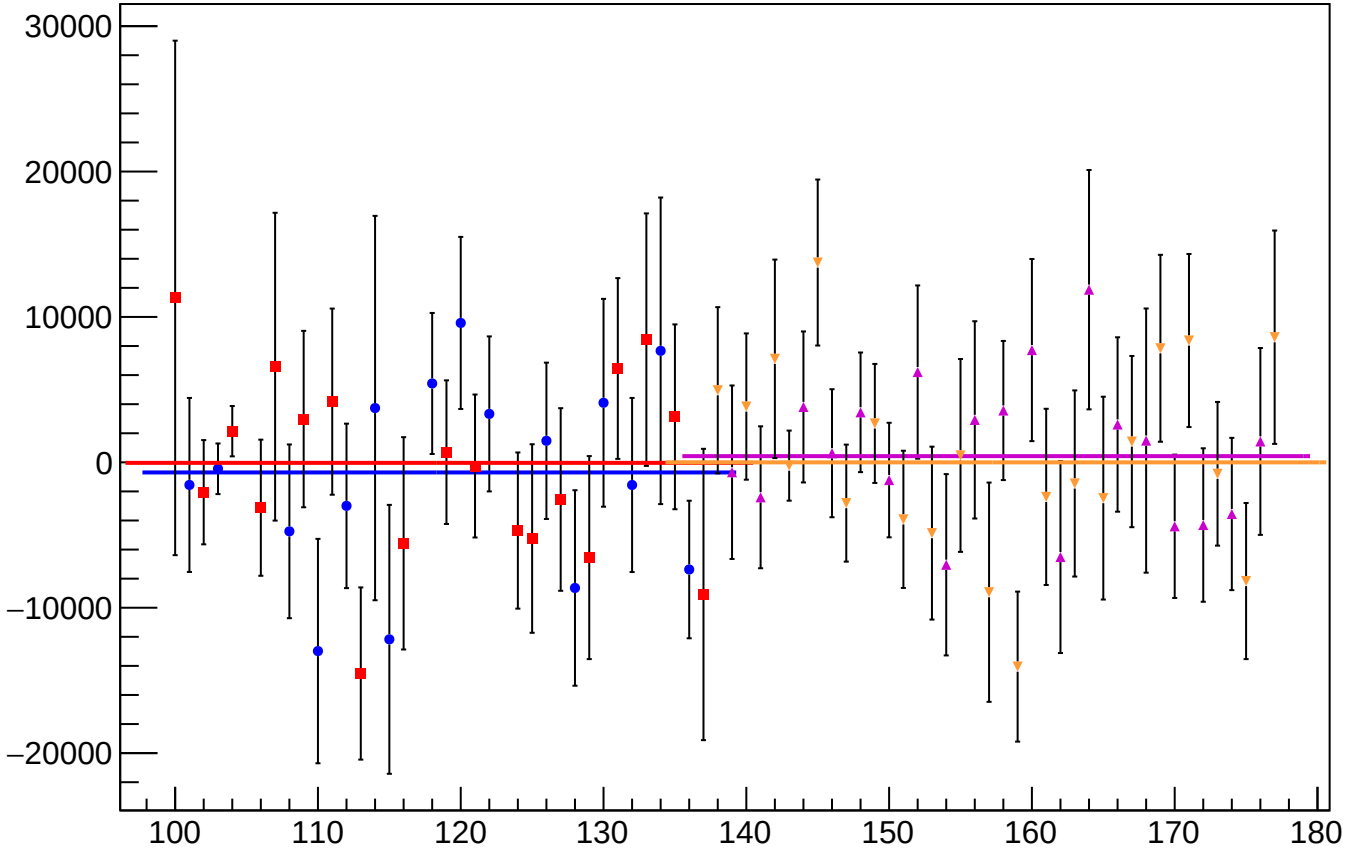
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1292.546+/-0.193 χ^2/NDF:547954.3/34

Out: 1301.972+/-0.189 χ^2/NDF:505311.3/39

All: 1297.349+/-0.135 χ^2/NDF: 1054484.3/74

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: -1.531+/-1107.966 χ^2/NDF:26.9/20

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 426.311+/-1247.599 χ^2/NDF:11.4/18

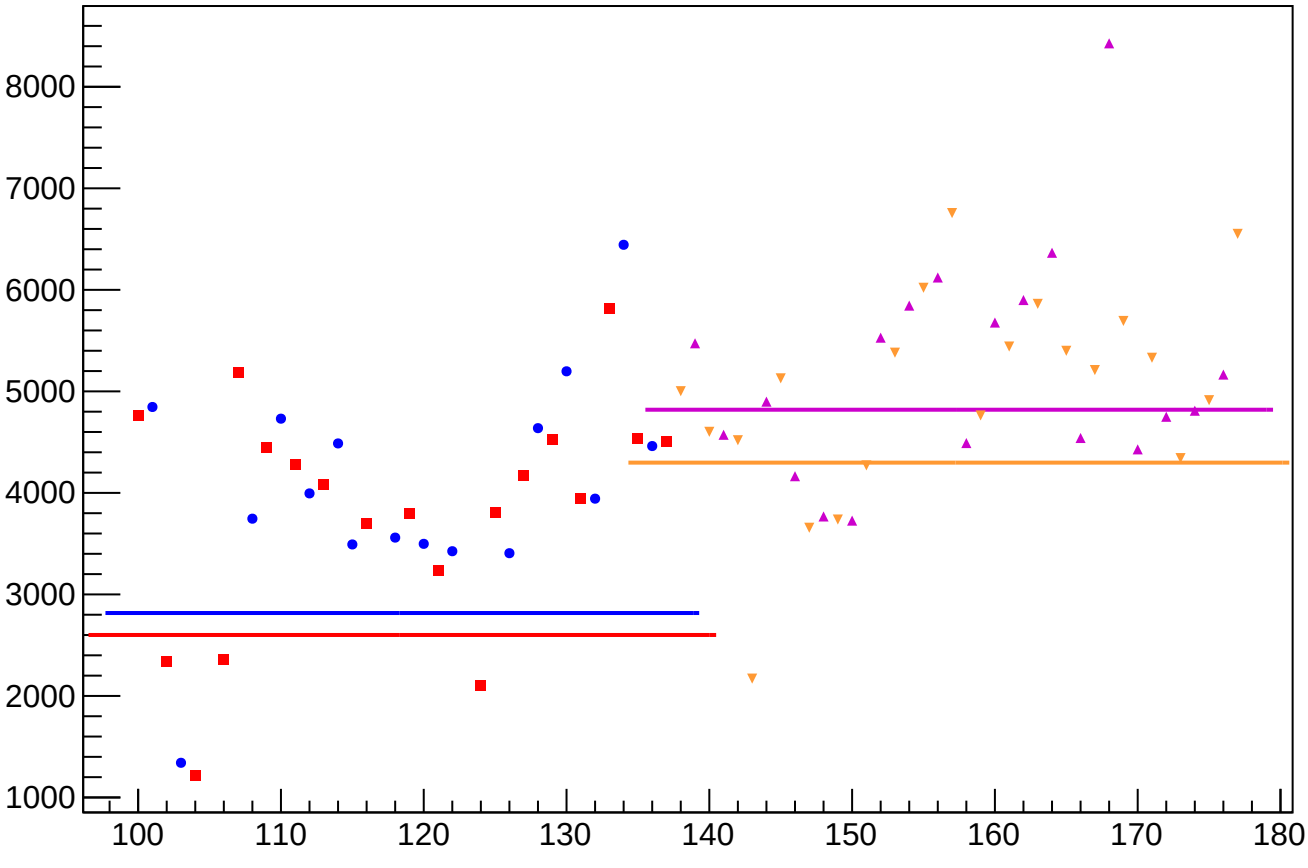
Left: 187.117+/-828.437 χ^2/NDF: 38.3/39

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -164.524+/-858.219 χ^2/NDF:26.5/34

Out: -18.976+/-779.977 χ^2/NDF:42.8/39

All: -84.814+/-577.211 χ^2/NDF: 69.3/74



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4298.135+/-0.783 χ^2/NDF:2816117.0/20

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4819.254+/-0.882 χ^2/NDF:1024217.0/18

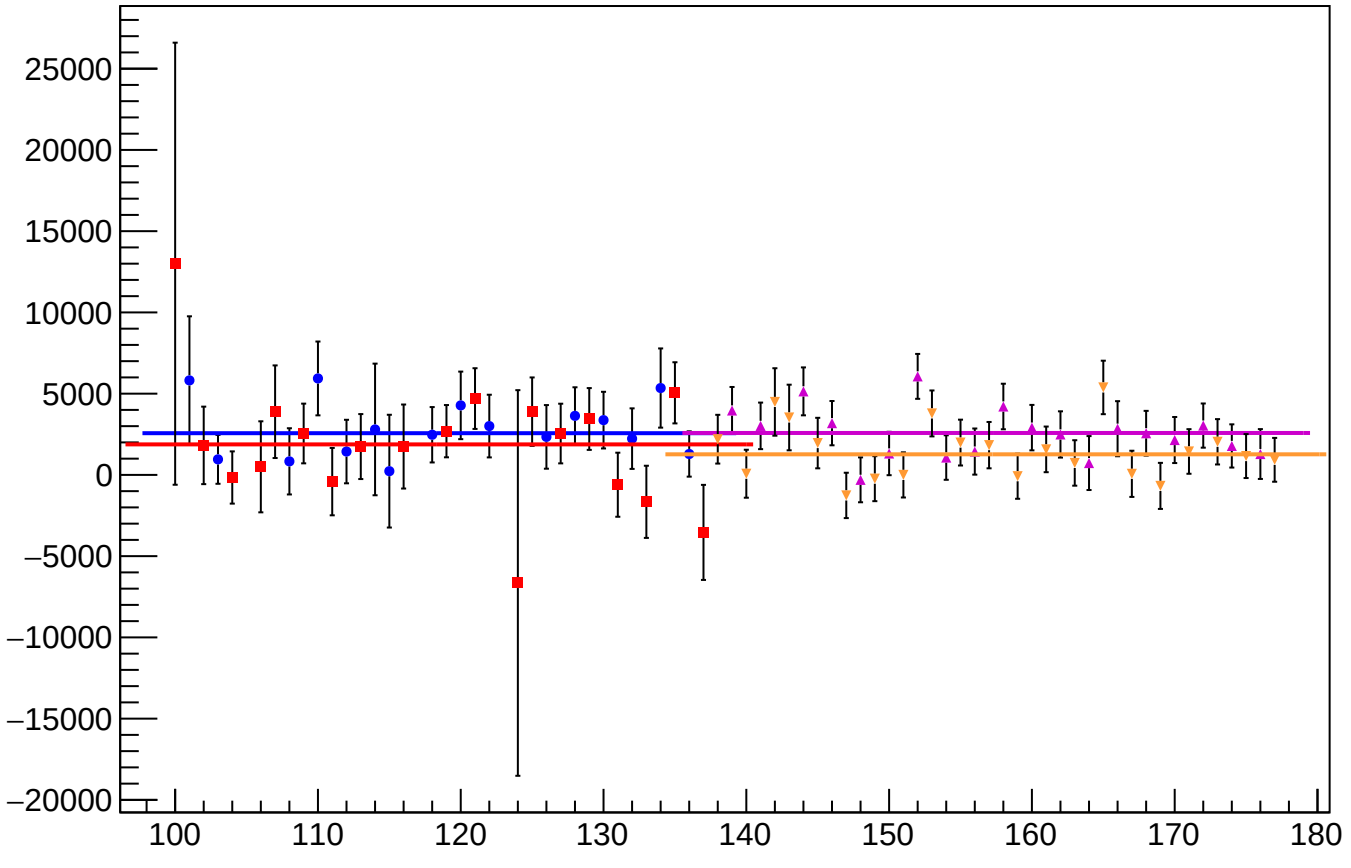
Left: 4527.912+/-0.586 χ^2/NDF: 4035416.8/39

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3764.357+/-0.607 χ^2/NDF:6746075.5/34

Out: 3441.820+/-0.552 χ^2/NDF:8265255.2/39

All: 3587.719+/-0.408 χ^2/NDF: 15166033.1/7



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1267.246+/-318.095 χ^2/NDF:24.2/20

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 2580.385+/-326.440 χ^2/NDF:21.7/18

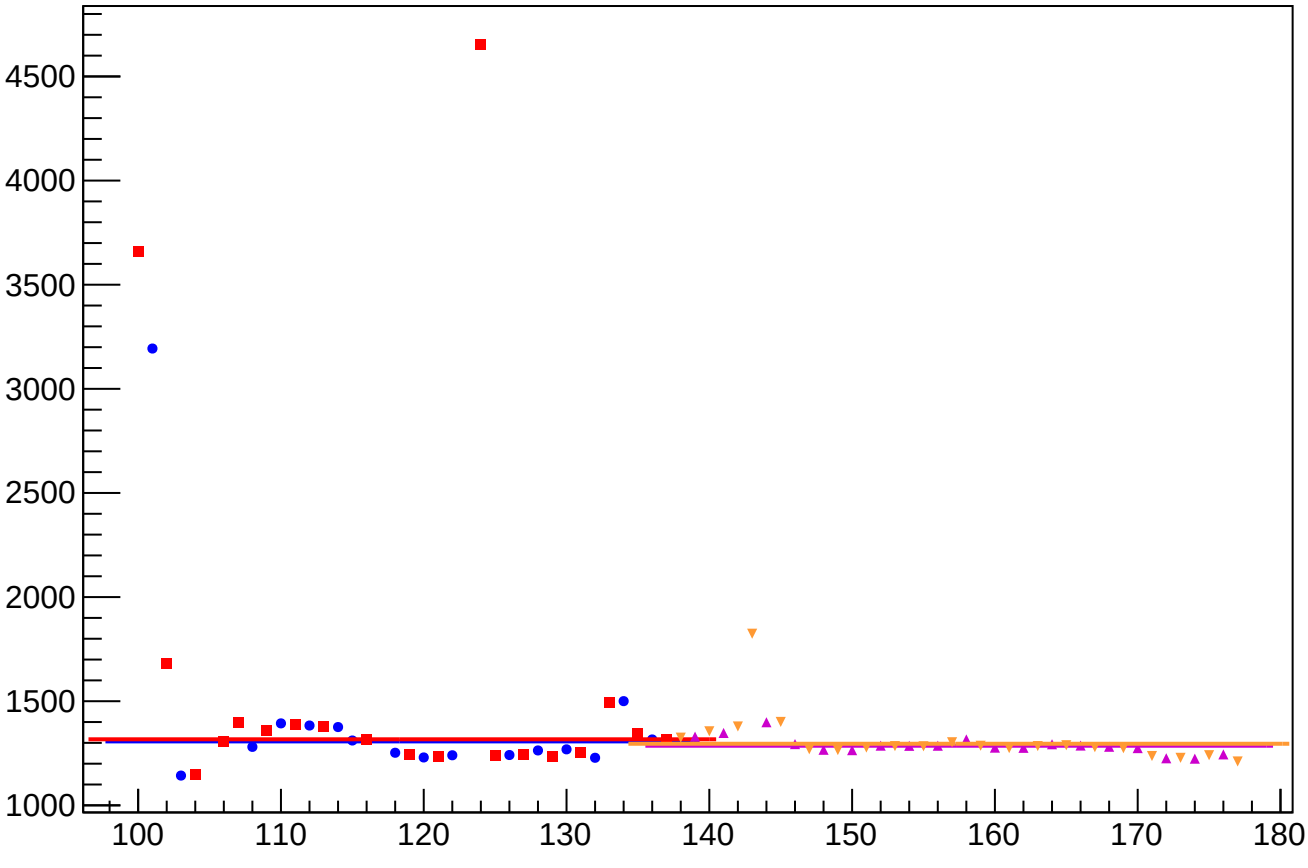
Left: 1906.816+/-227.820 χ^2/NDF: 54.1/39

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2576.387+/-272.576 χ^2/NDF:30.7/34

Out: 1445.824+/-267.559 χ^2/NDF:44.8/39

All: 2000.605+/-190.942 χ^2/NDF: 84.2/74



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1295.682+/-0.225 χ^2/NDF:176718.3/20

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1286.240+/-0.231 χ^2/NDF:29238.6/18

Left: 1291.083+/-0.161 χ^2/NDF: 206815.2/39

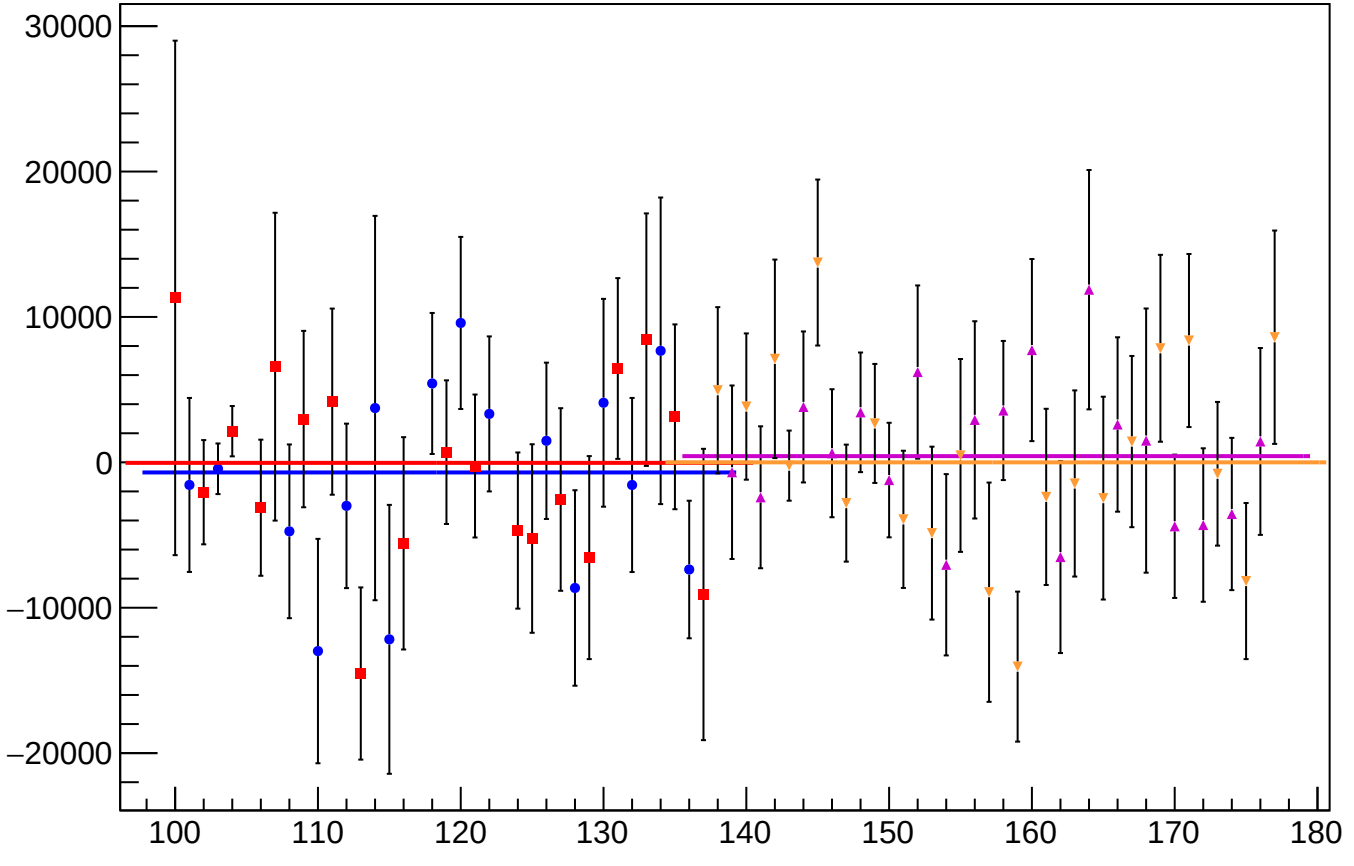
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1292.546+/-0.193 χ^2/NDF:547954.3/34

Out: 1301.972+/-0.189 χ^2/NDF:505311.3/39

All: 1297.349+/-0.135 χ^2/NDF: 1054484.3/74

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: -1.531+/-1107.966 χ^2/NDF:26.9/20

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 426.311+/-1247.599 χ^2/NDF:11.4/18

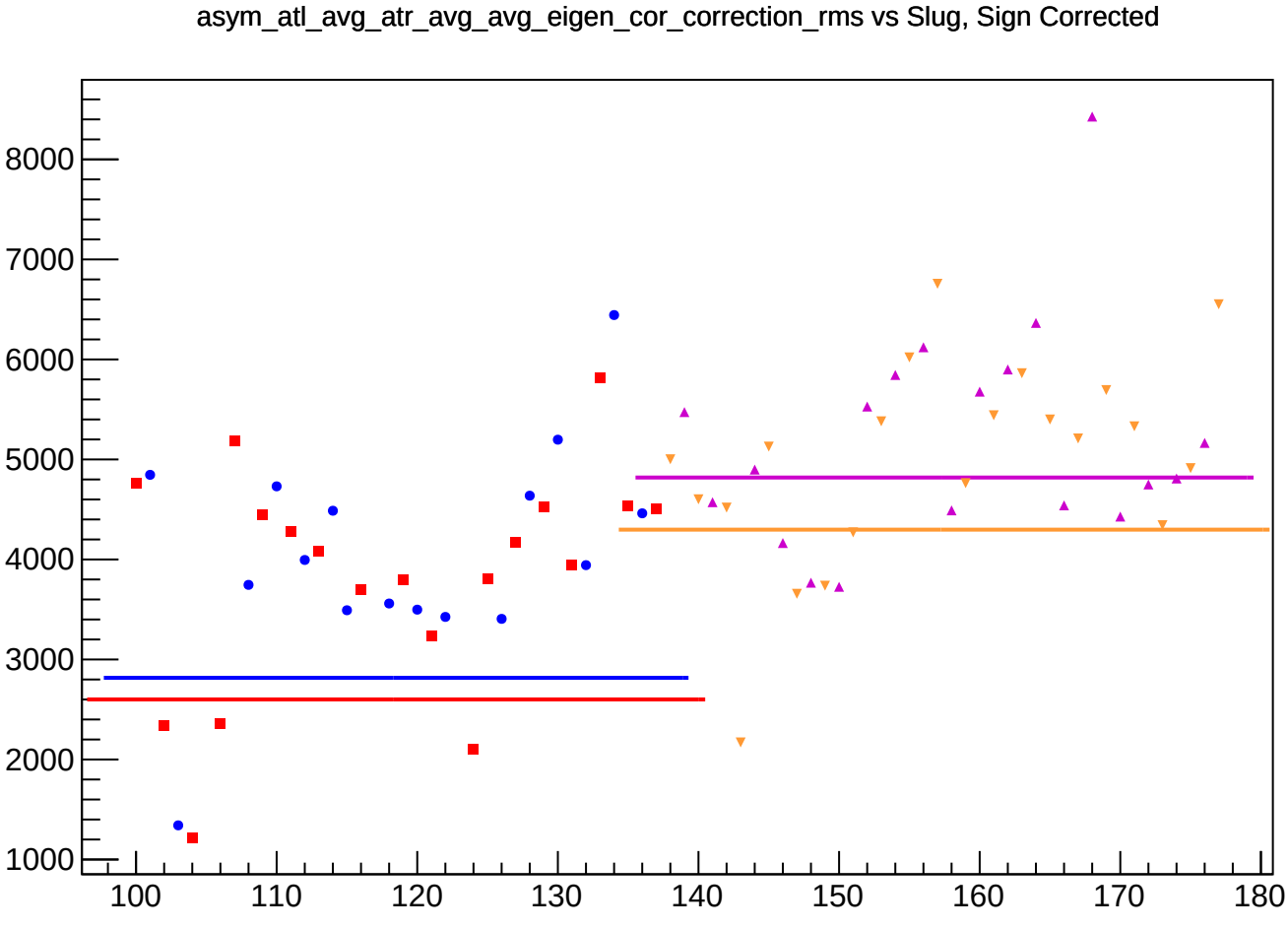
Left: 187.117+/-828.437 χ^2/NDF: 38.3/39

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -164.524+/-858.219 χ^2/NDF:26.5/34

Out: -18.976+/-779.977 χ^2/NDF:42.8/39

All: -84.814+/-577.211 χ^2/NDF: 69.3/74



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4298.135+/-0.783 χ^2/NDF:2816117.0/20

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4819.254+/-0.882 χ^2/NDF:1024217.0/18

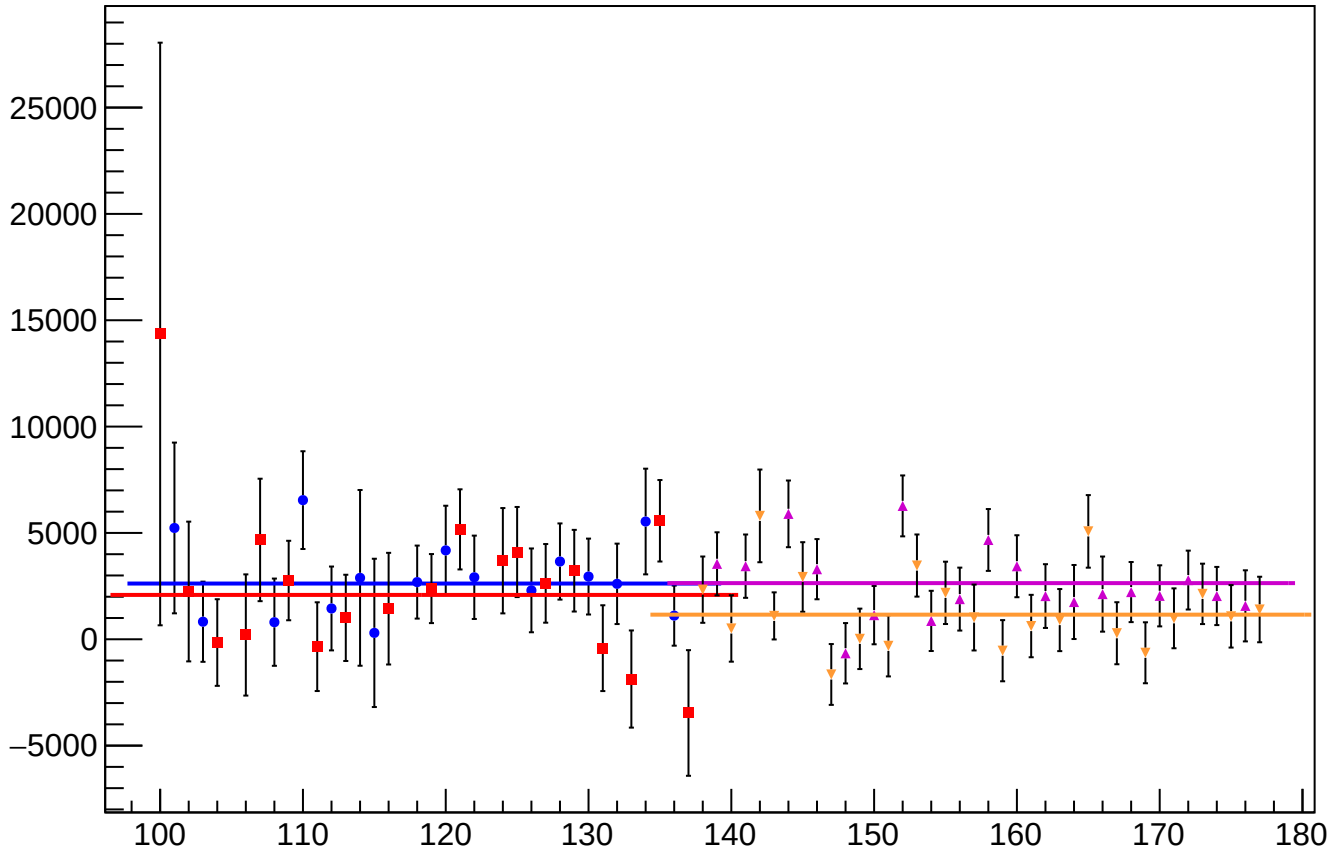
Left: 4527.912+/-0.586 χ^2/NDF: 4035416.8/39

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3764.357+/-0.607 χ^2/NDF:6746075.5/34

Out: 3441.820+/-0.552 χ^2/NDF:8265255.2/39

All: 3587.719+/-0.408 χ^2/NDF: 15166033.1/7



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1157.712+/-321.994 χ^2/NDF:24.3/20

Right Out: 2085.606+/-504.873 χ^2/NDF: 20.9/18

Left In: 2640.240+/-338.554 χ^2/NDF:23.7/18

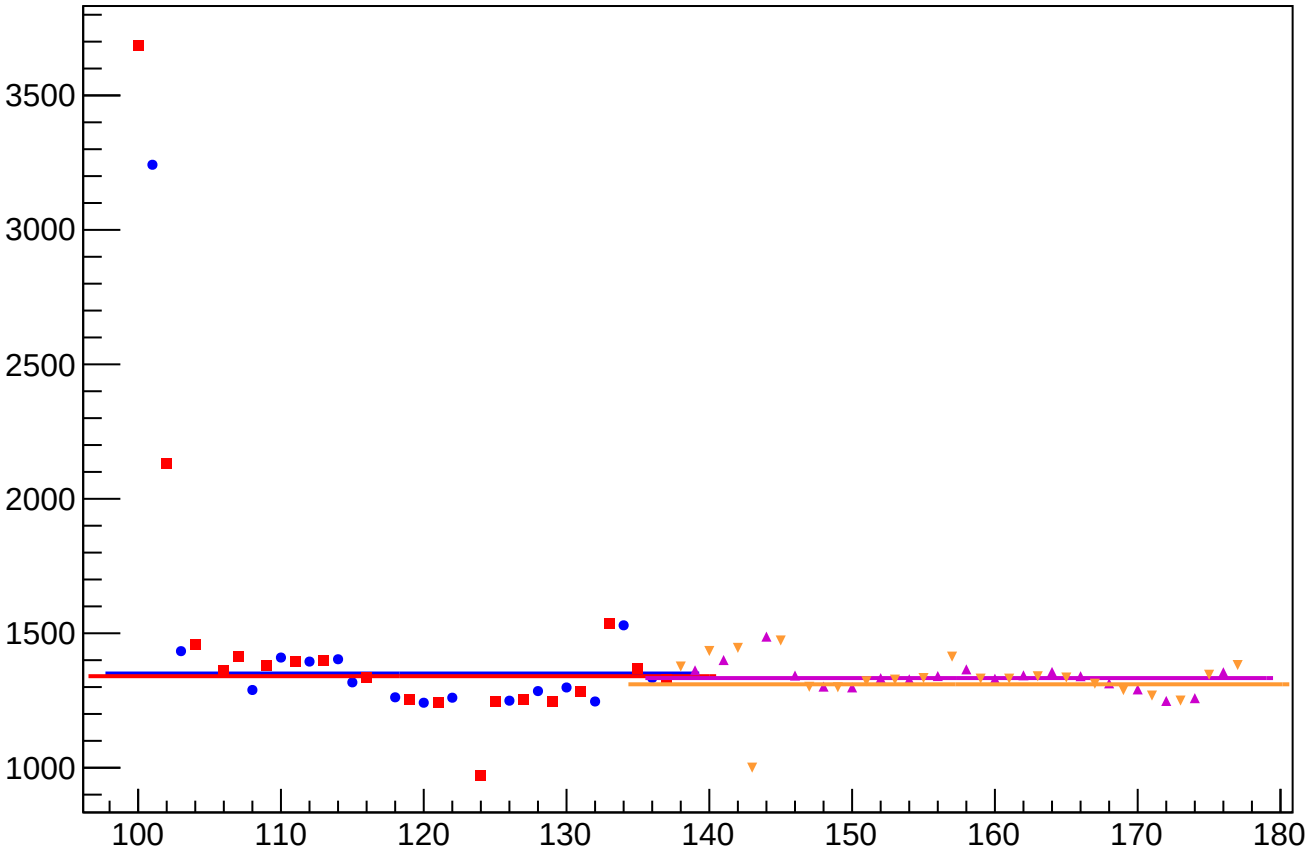
Left: 1861.833+/-233.319 χ^2/NDF: 58.0/39

Right: 2349.577+/-359.323 χ^2/NDF: 30.8/34

In: 2634.238+/-282.317 χ^2/NDF:33.0/34

Out: 1426.007+/-271.481 χ^2/NDF:47.6/39

All: 2006.489+/-195.685 χ^2/NDF: 90.1/74



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1310.280+/-0.228 χ^2/NDF:223884.5/20

Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1333.422+/-0.239 χ^2/NDF:43987.2/18

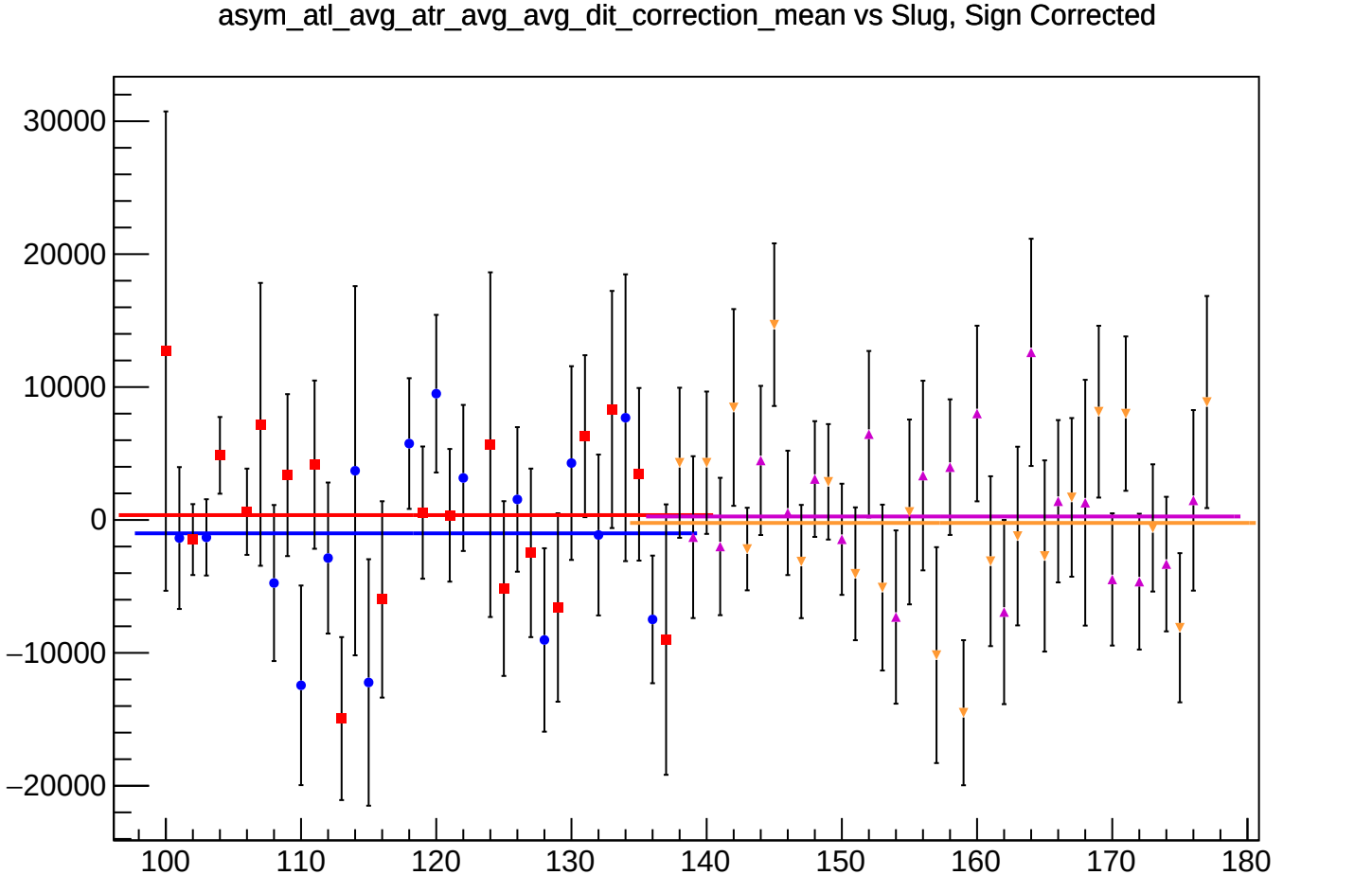
Left: 1321.271+/-0.165 χ^2/NDF: 272778.2/39

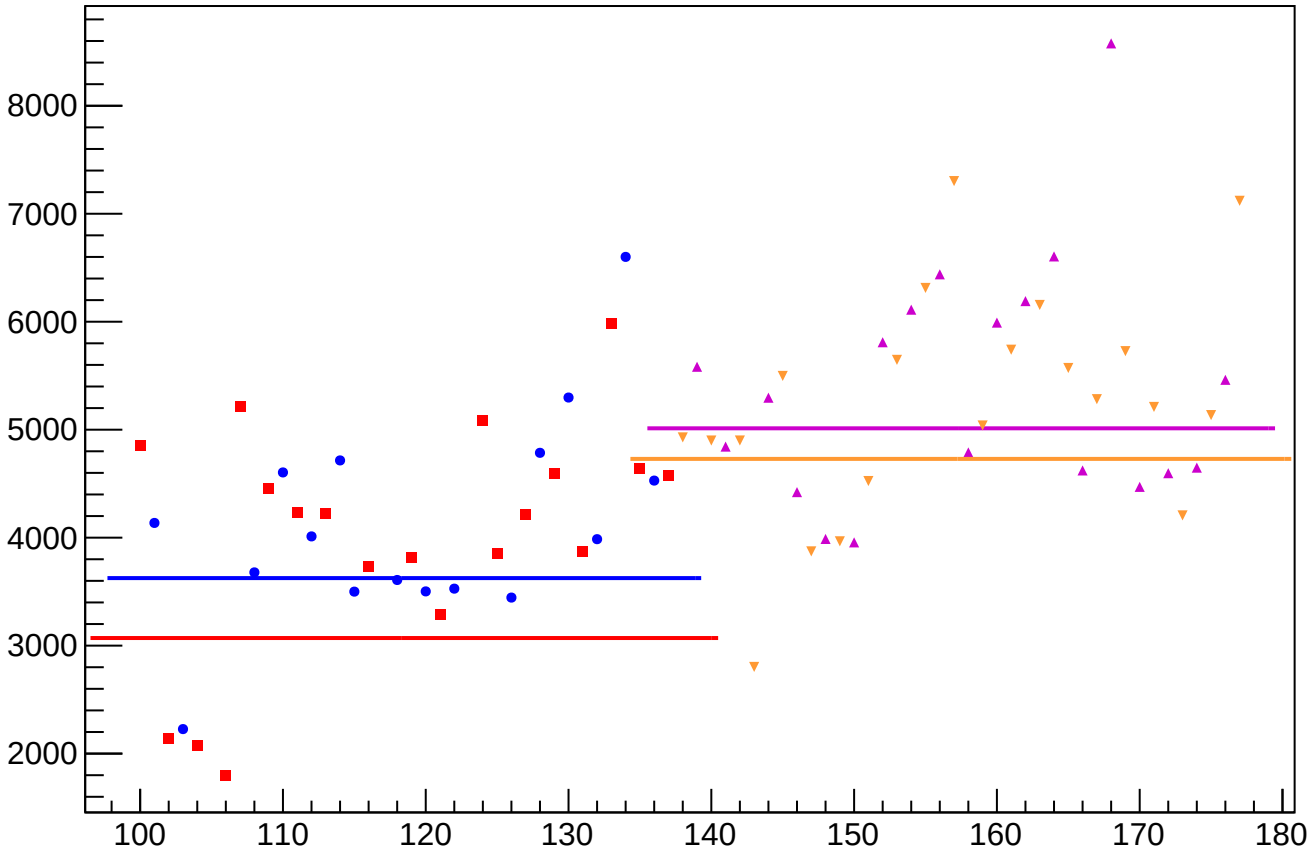
Right: 1345.331+/-0.254 χ^2/NDF: 766617.4/34

In: 1338.585+/-0.200 χ^2/NDF:539564.9/34

Out: 1319.005+/-0.192 χ^2/NDF:501142.1/39

All: 1328.410+/-0.138 χ^2/NDF: 1045705.7/74


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: -223.032+/-1197.995 χ²/NDF:27.0/20
Right Out: 364.493+/-1202.498 χ²/NDF: 16.2/18
Left In: 262.152+/-1297.214 χ²/NDF:11.4/18
Left: 0.298+/-880.099 χ²/NDF: 38.5/39
Right: -215.533+/-913.430 χ²/NDF: 31.4/34
In: -322.009+/-952.930 χ²/NDF:26.4/34
Out: 69.628+/-848.698 χ²/NDF:43.4/39
All: -103.608+/-633.780 χ²/NDF: 69.9/74



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 4729.493+/-0.847 χ^2/NDF:1766288.4/20

Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 5012.688+/-0.917 χ^2/NDF:1000809.4/18

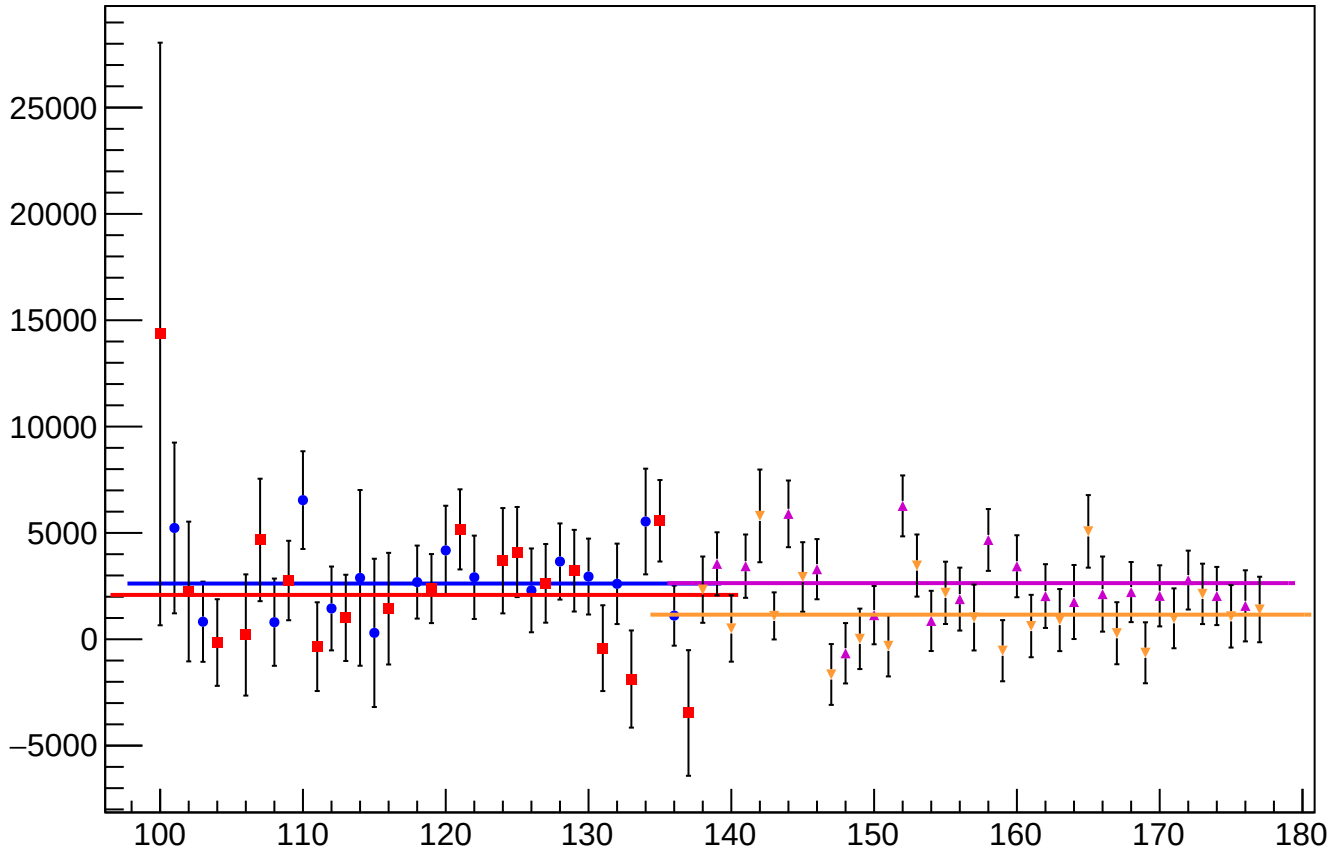
Left: 4859.847+/-0.622 χ^2/NDF: 2818541.4/39

Right: 3305.233+/-0.646 χ^2/NDF: 2963820.1/34

In: 4374.078+/-0.674 χ^2/NDF:2998582.5/34

Out: 3903.080+/-0.600 χ^2/NDF:5515577.9/39

All: 4111.420+/-0.448 χ^2/NDF: 8786629.0/74



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1157.709+/-321.995 χ^2/NDF:24.3/20

Right Out: 2085.608+/-504.873 χ^2/NDF: 20.9/18

Left In: 2640.242+/-338.555 χ^2/NDF:23.7/18

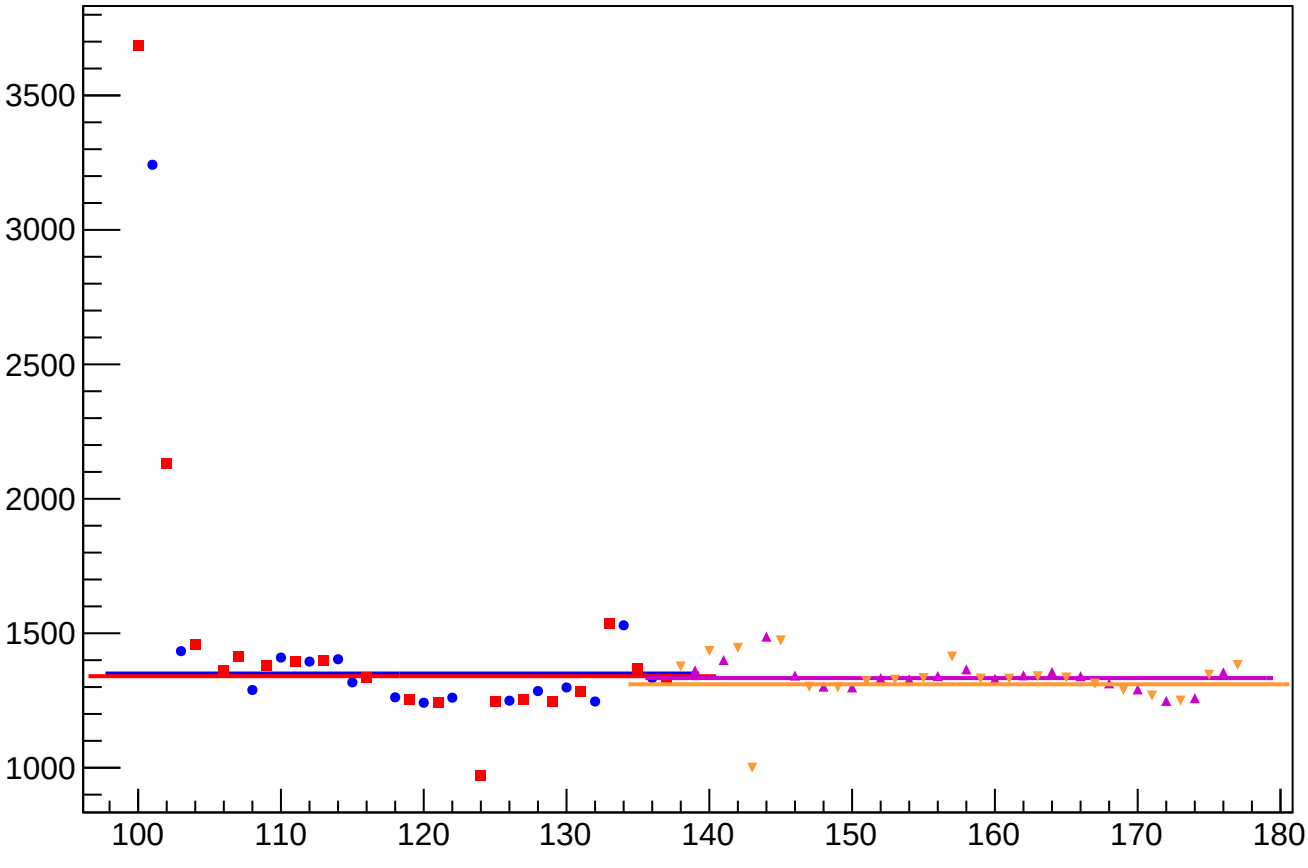
Left: 1861.832+/-233.319 χ^2/NDF: 58.0/39

Right: 2349.579+/-359.323 χ^2/NDF: 30.8/34

In: 2634.239+/-282.318 χ^2/NDF:33.0/34

Out: 1426.006+/-271.481 χ^2/NDF:47.6/39

All: 2006.489+/-195.685 χ^2/NDF: 90.1/74



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.2/15

Left Out: 1310.282+/-0.228 χ^2/NDF:223886.4/20

Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1333.423+/-0.239 χ^2/NDF:43988.6/18

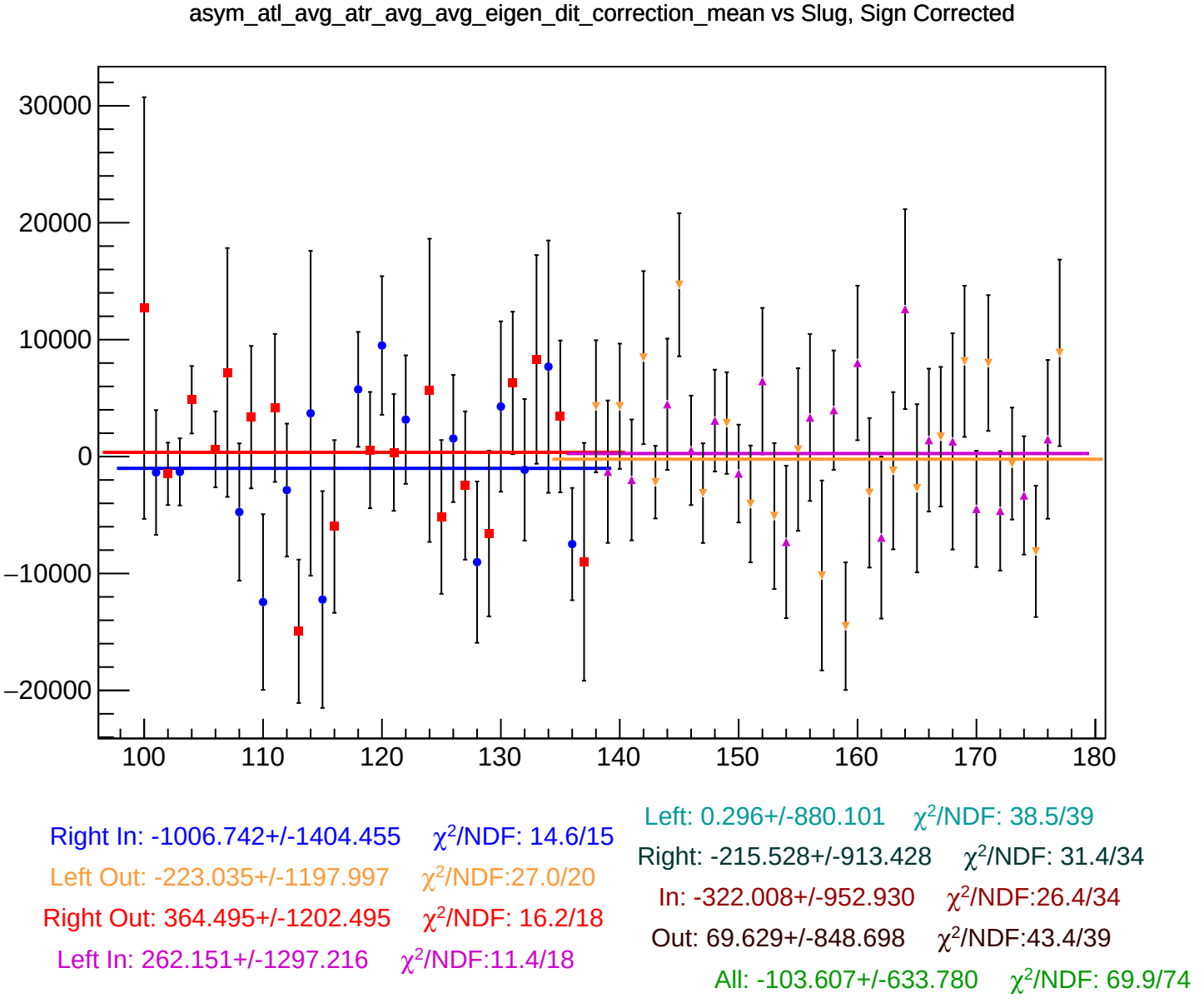
Left: 1321.273+/-0.165 χ^2/NDF: 272781.4/39

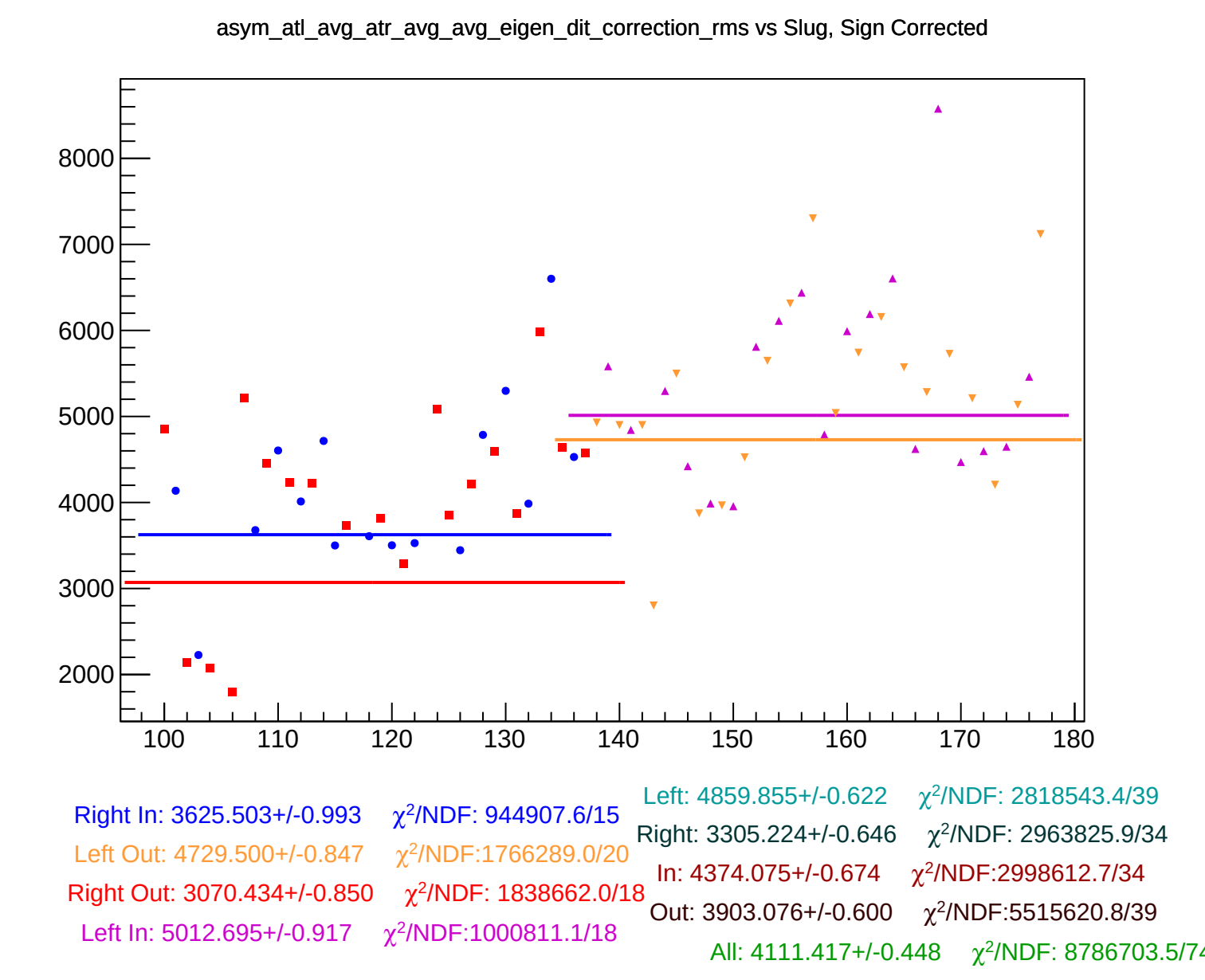
Right: 1345.330+/-0.254 χ^2/NDF: 766616.6/34

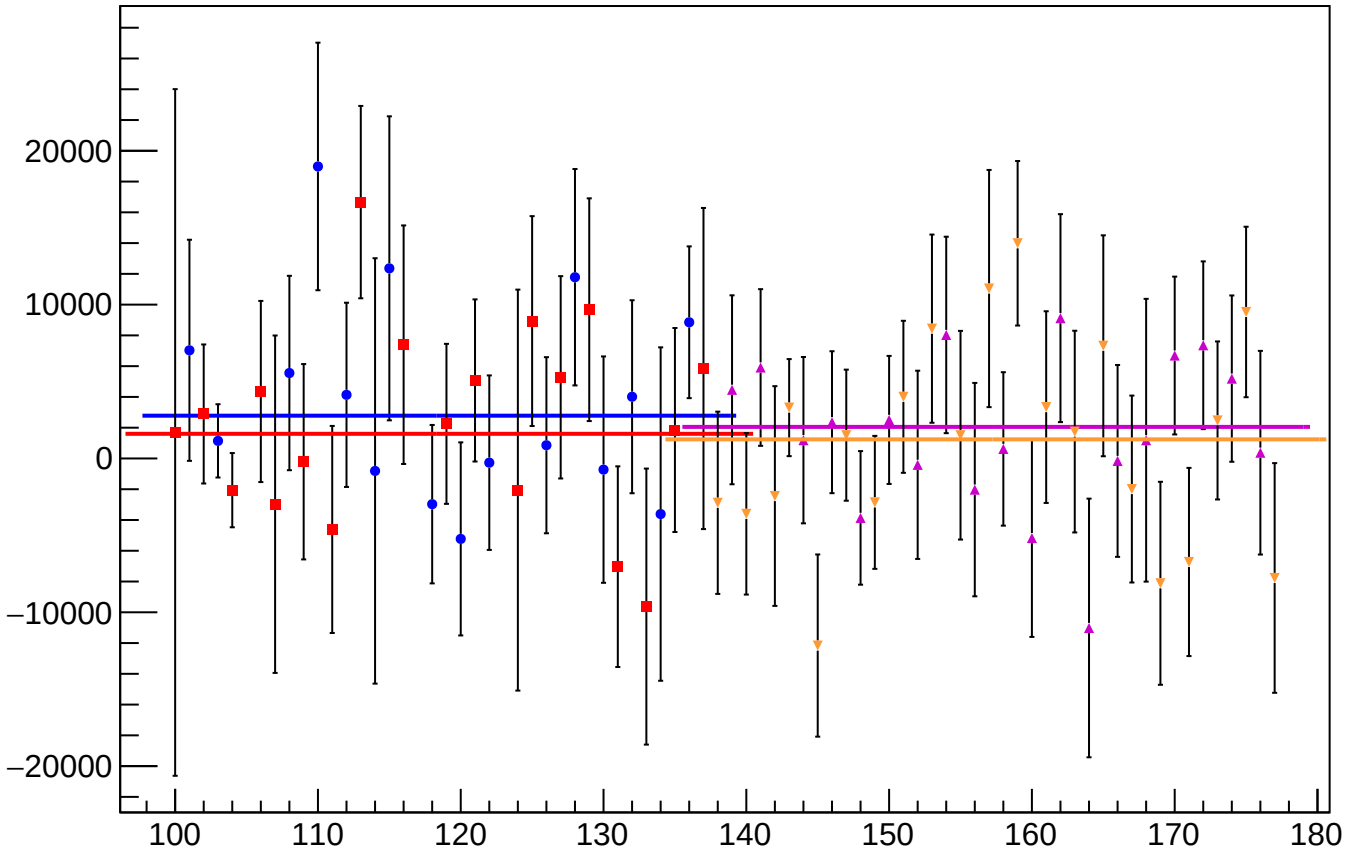
In: 1338.585+/-0.200 χ^2/NDF:539566.1/34

Out: 1319.006+/-0.192 χ^2/NDF:501142.5/39

All: 1328.411+/-0.138 χ^2/NDF: 1045707.3/74


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: -223.035+/-1197.997 χ²/NDF:27.0/20
Right Out: 364.495+/-1202.495 χ²/NDF: 16.2/18
Left In: 262.151+/-1297.216 χ²/NDF:11.4/18
Left: 0.296+/-880.101 χ²/NDF: 38.5/39
Right: -215.528+/-913.428 χ²/NDF: 31.4/34
In: -322.008+/-952.930 χ²/NDF:26.4/34
Out: 69.629+/-848.698 χ²/NDF:43.4/39
All: -103.607+/-633.780 χ²/NDF: 69.9/74


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: 4729.500+/-0.847 χ²/NDF:1766289.0/20
Right Out: 3070.434+/-0.850 χ²/NDF: 1838662.0/18
Left In: 5012.695+/-0.917 χ²/NDF:1000811.1/18
Left: 4859.855+/-0.622 χ²/NDF: 2818543.4/39
Right: 3305.224+/-0.646 χ²/NDF: 2963825.9/34
In: 4374.075+/-0.674 χ²/NDF:2998612.7/34
Out: 3903.076+/-0.600 χ²/NDF:5515620.8/39
All: 4111.417+/-0.448 χ²/NDF: 8786703.5/74



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: 1241.907+/-1197.918 χ^2/NDF:25.6/20

Right Out: 1602.626+/-1337.018 χ^2/NDF: 16.8/18

Left In: 2051.934+/-1295.559 χ^2/NDF:11.2/18

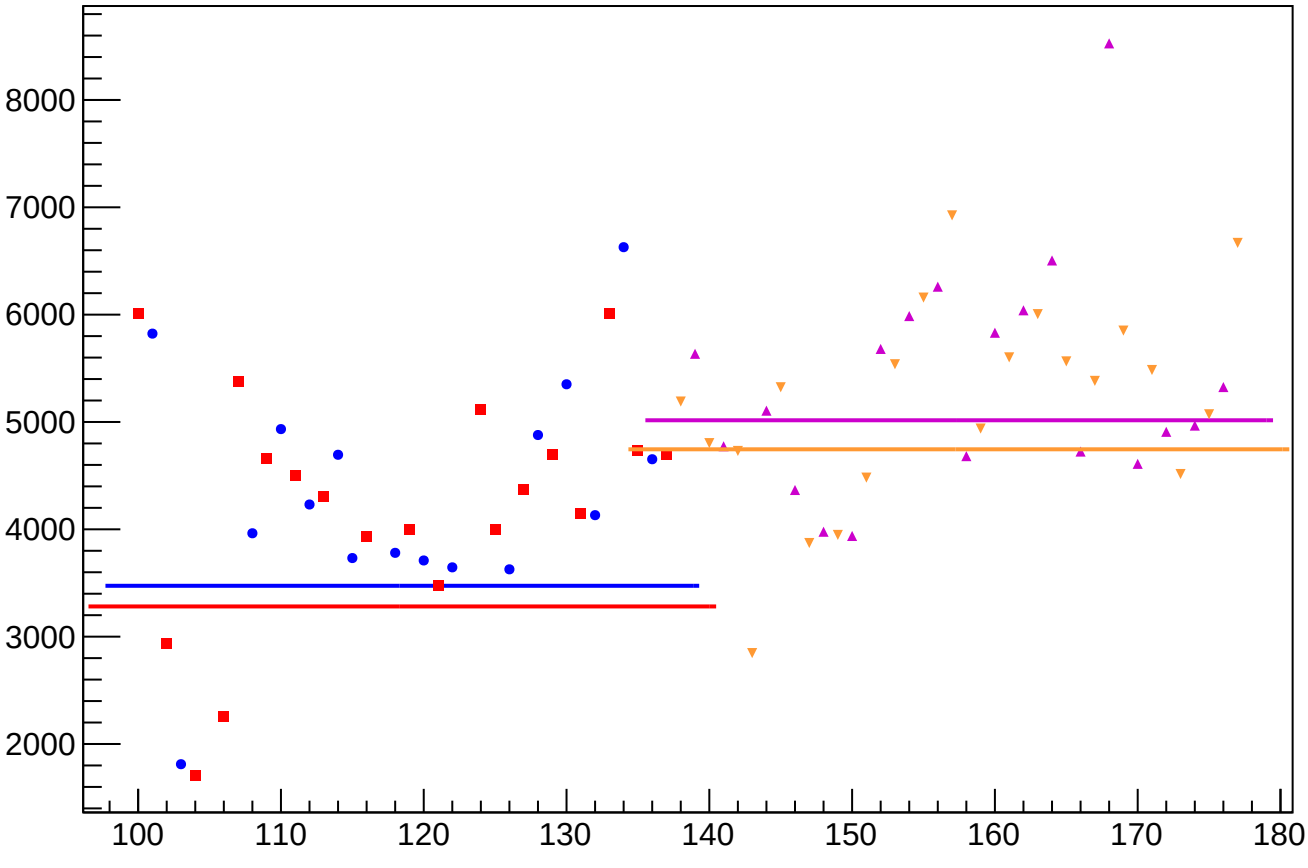
Left: 1615.249+/-879.551 χ^2/NDF: 37.0/39

Right: 2169.106+/-963.414 χ^2/NDF: 30.3/34

In: 2390.950+/-947.551 χ^2/NDF:24.5/34

Out: 1402.532+/-892.194 χ^2/NDF:42.5/39

All: 1867.027+/-649.565 χ^2/NDF: 67.5/74



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 4745.437+/-0.847 χ^2/NDF:1584210.3/20

Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

Left In: 5015.916+/-0.916 χ^2/NDF:911825.3/18

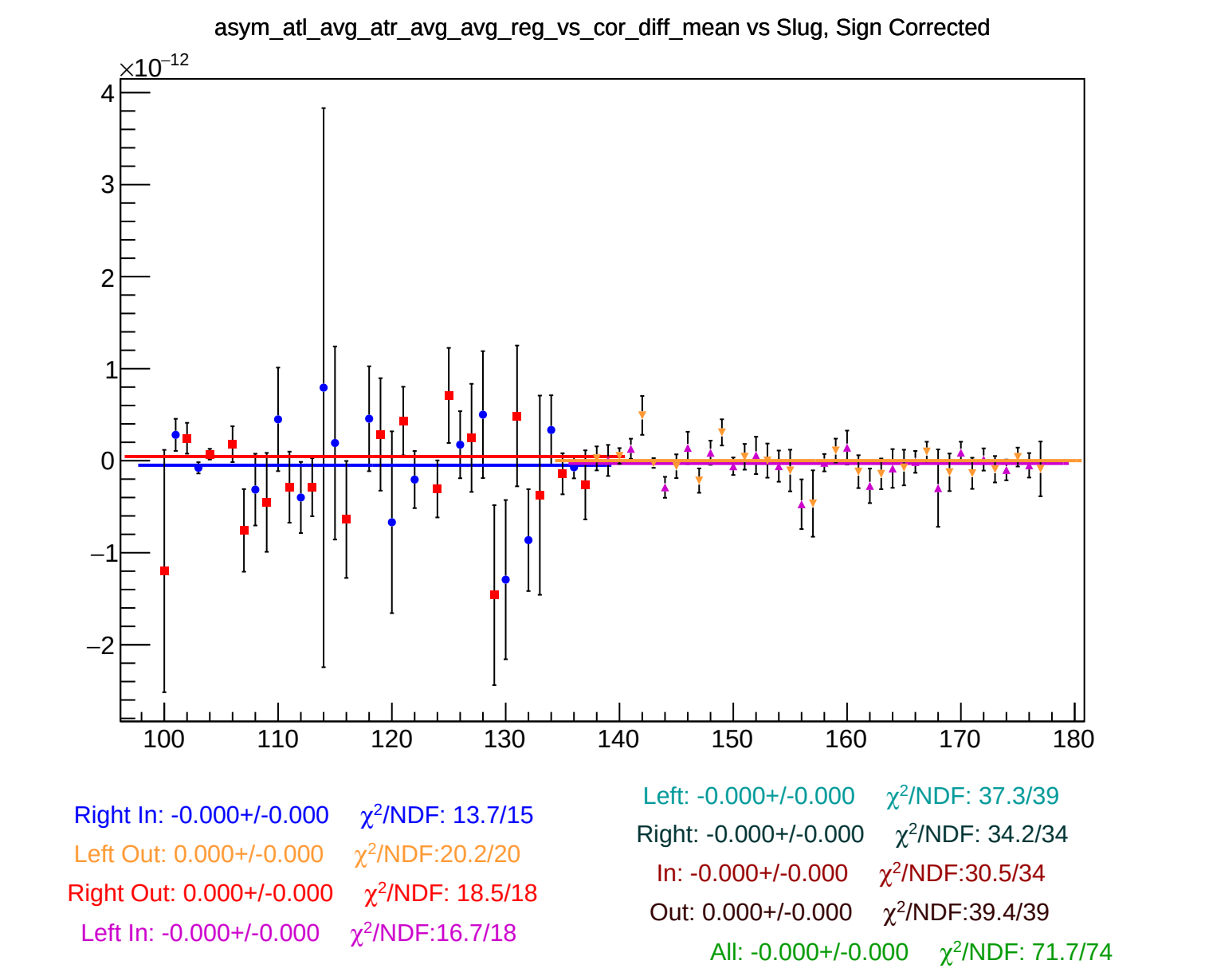
Left: 4870.101+/-0.622 χ^2/NDF: 2543030.5/39

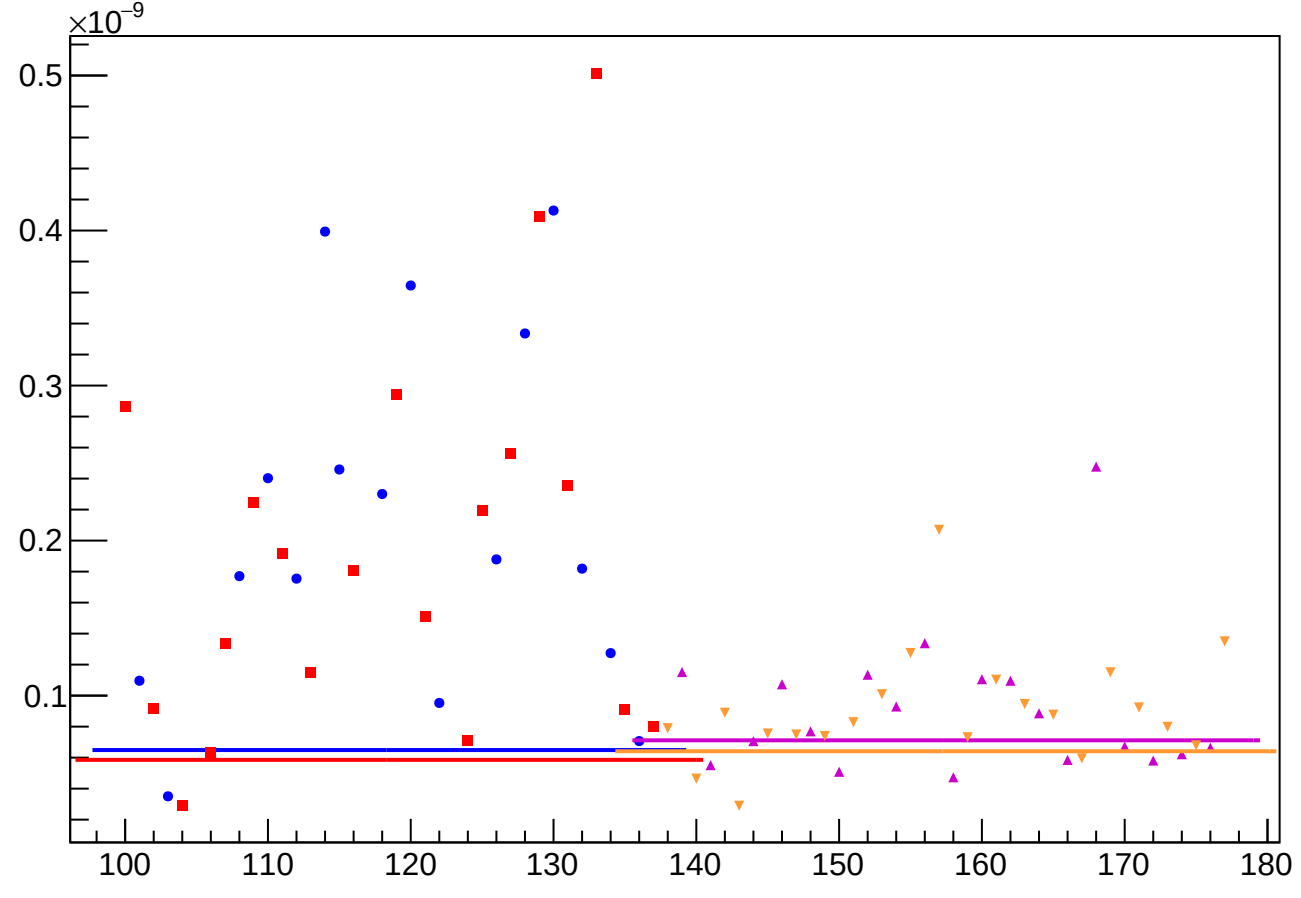
Right: 3372.669+/-0.676 χ^2/NDF: 3739637.8/34

In: 4298.751+/-0.670 χ^2/NDF:4073511.6/34

Out: 4083.582+/-0.627 χ^2/NDF:4810120.6/39

All: 4184.037+/-0.458 χ^2/NDF: 8938614.5/74


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:20.2/20
Right Out: 0.000+/-0.000 χ²/NDF: 18.5/18
Left In: -0.000+/-0.000 χ²/NDF:16.7/18
Left: -0.000+/-0.000 χ²/NDF: 37.3/39
Right: -0.000+/-0.000 χ²/NDF: 34.2/34
In: -0.000+/-0.000 χ²/NDF:30.5/34
Out: 0.000+/-0.000 χ²/NDF:39.4/39
All: -0.000+/-0.000 χ²/NDF: 71.7/74



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2212067.5/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1319668.0/18

Left: 0.000+/-0.000 χ^2/NDF: 3588381.2/39

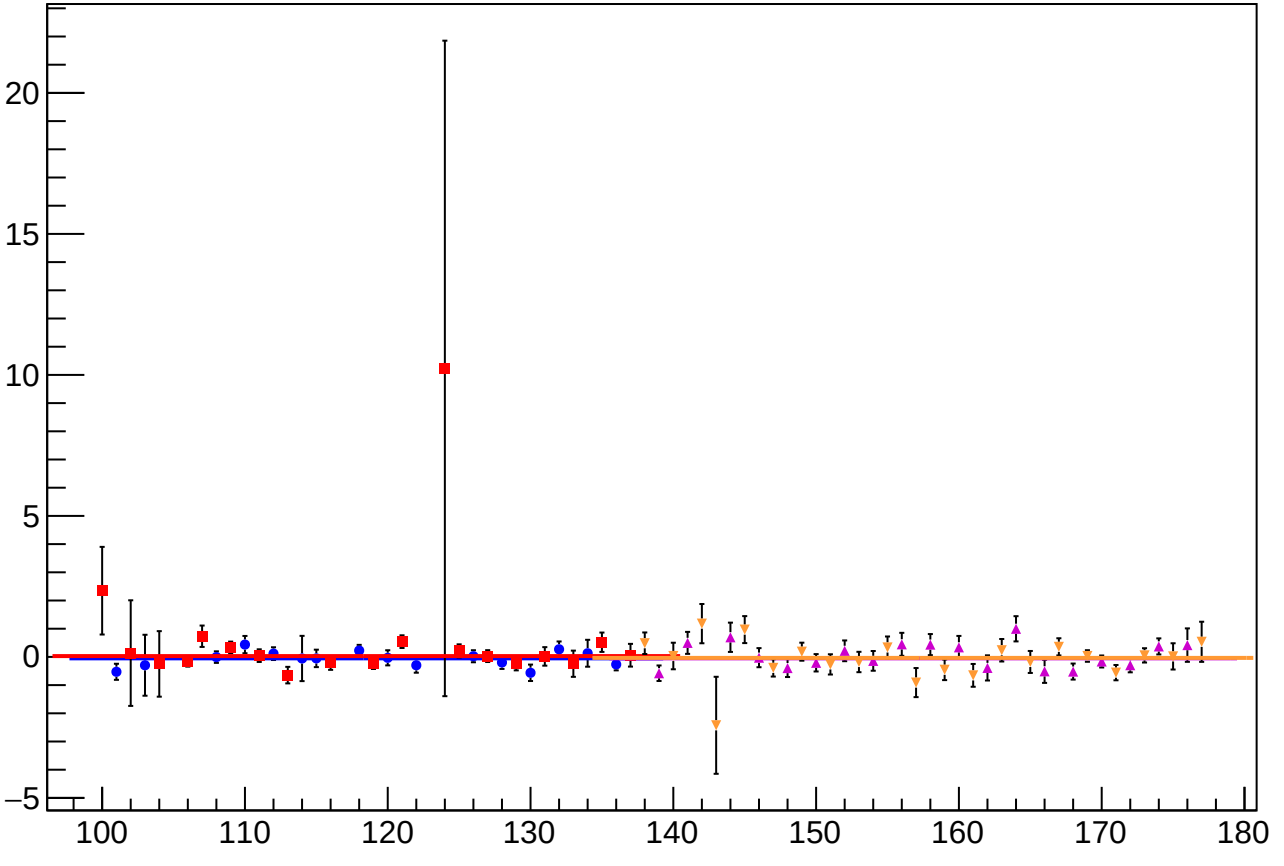
Right: 0.000+/-0.000 χ^2/NDF: 5465312.1/34

In: 0.000+/-0.000 χ^2/NDF:3936159.1/34

Out: 0.000+/-0.000 χ^2/NDF:5087521.8/39

All: 0.000+/-0.000 χ^2/NDF: 9092350.9/74

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: -0.035+/-0.079 χ^2/NDF:27.9/20

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.051+/-0.077 χ^2/NDF:28.0/18

Left: -0.043+/-0.055 χ^2/NDF: 55.9/39

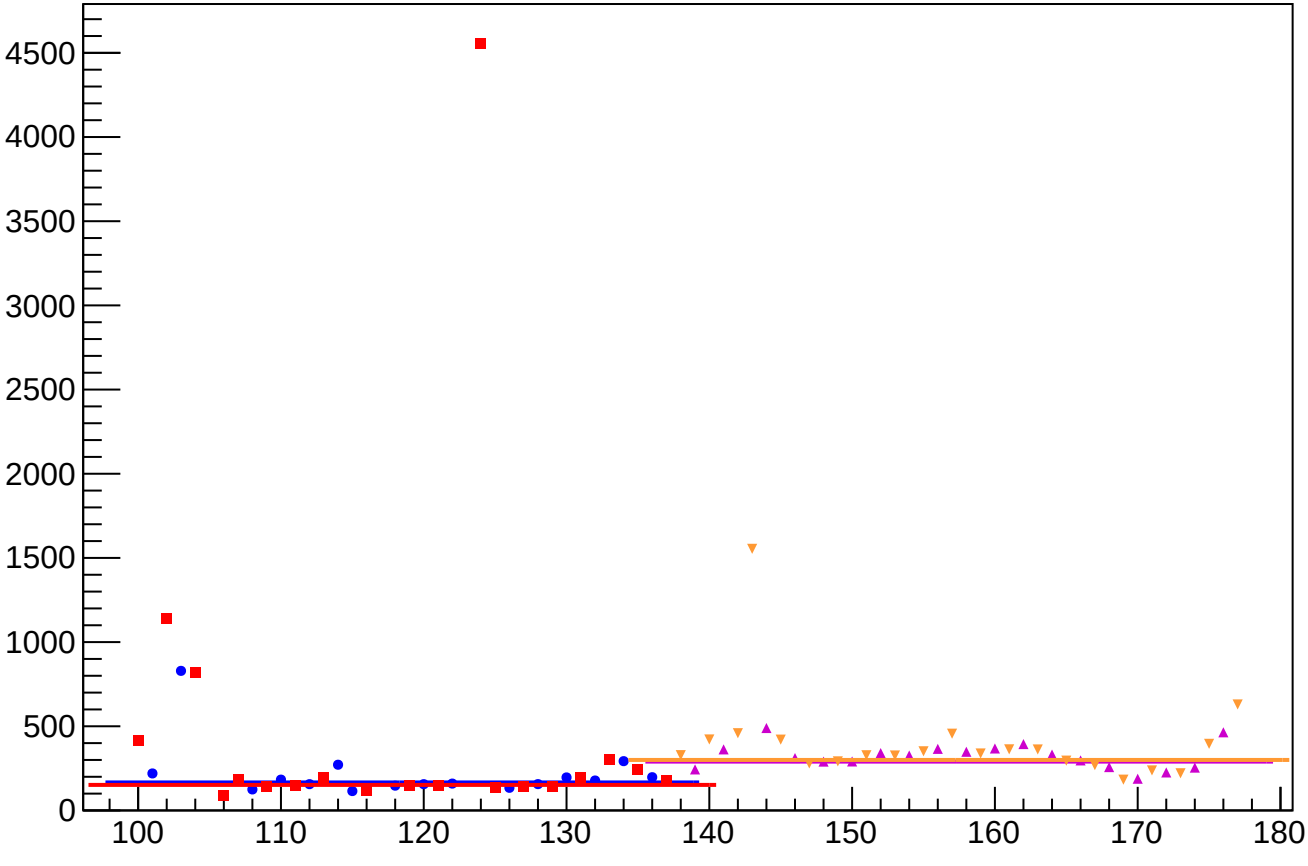
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.051+/-0.050 χ^2/NDF:42.8/34

Out: 0.004+/-0.050 χ^2/NDF:55.9/39

All: -0.023+/-0.035 χ^2/NDF: 99.3/74

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 300.025+/-0.056 χ^2/NDF:3295358.9/20

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 290.146+/-0.054 χ^2/NDF:1624889.6/18

Left: 294.969+/-0.039 χ^2/NDF: 4936326.8/39

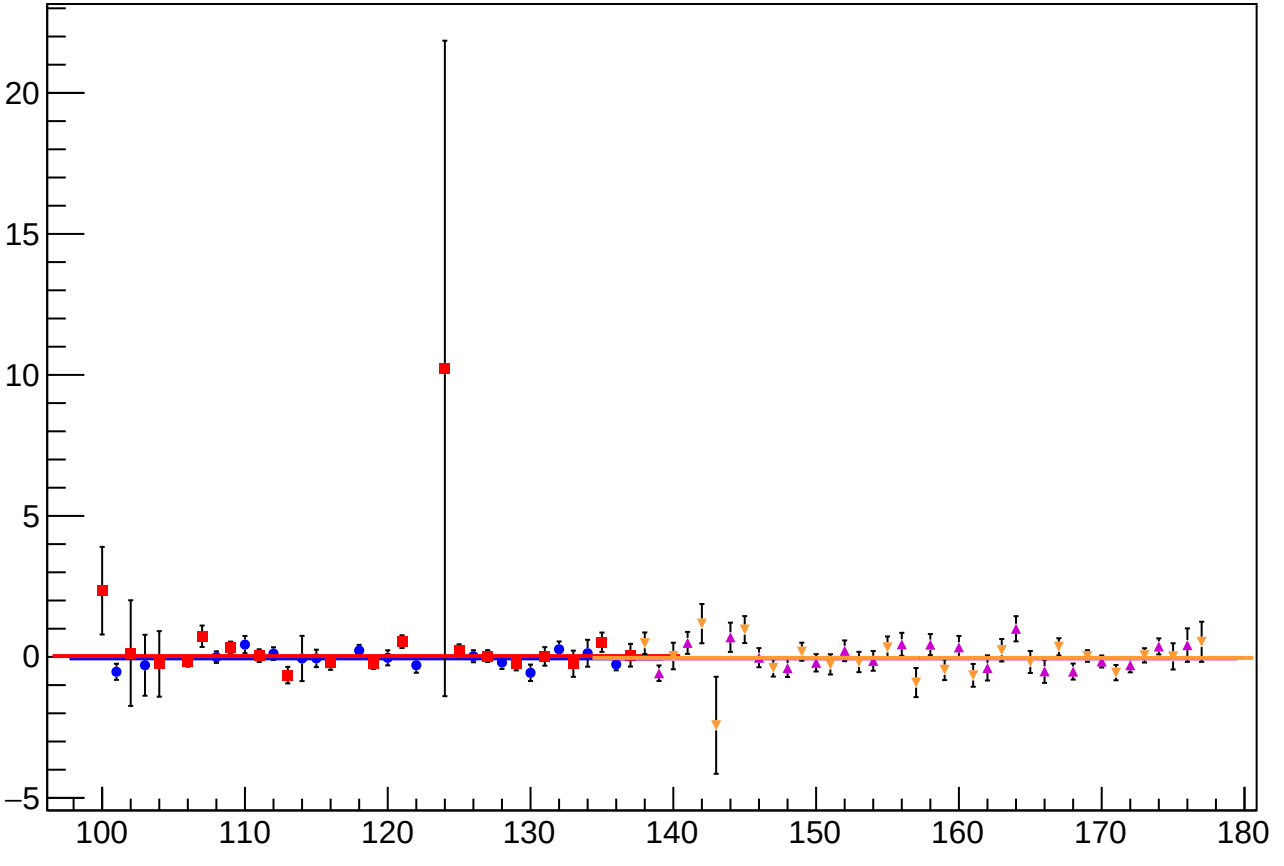
Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 219.466+/-0.036 χ^2/NDF:5860377.5/34

Out: 210.718+/-0.035 χ^2/NDF:9873101.5/39

All: 215.028+/-0.025 χ^2/NDF: 15764015.2/74

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: -0.035+/-0.079 χ^2/NDF:27.9/20

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.051+/-0.077 χ^2/NDF:28.0/18

Left: -0.043+/-0.055 χ^2/NDF: 55.9/39

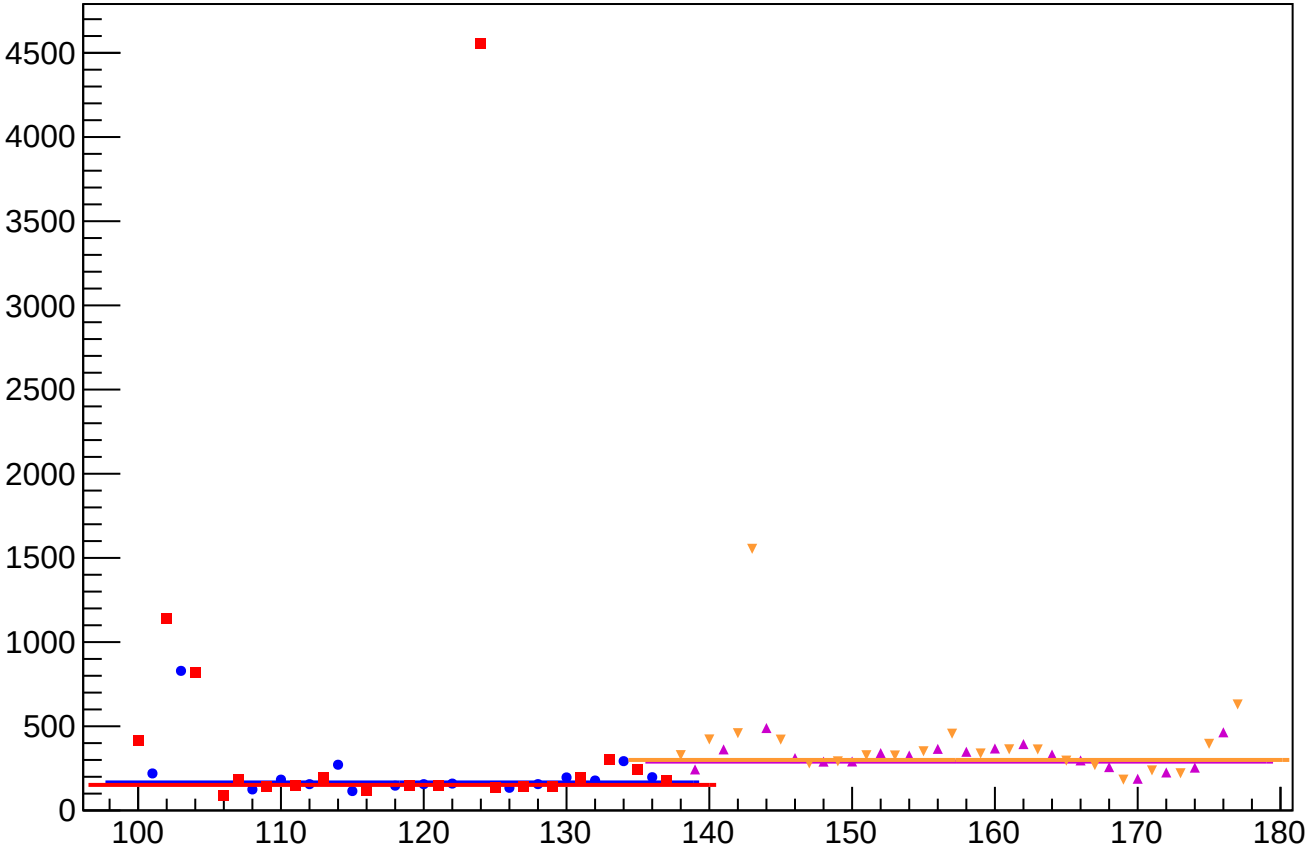
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.051+/-0.050 χ^2/NDF:42.8/34

Out: 0.004+/-0.050 χ^2/NDF:55.9/39

All: -0.023+/-0.035 χ^2/NDF: 99.3/74

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: 300.025+/-0.056 χ^2/NDF:3295358.9/20

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 290.146+/-0.054 χ^2/NDF:1624889.6/18

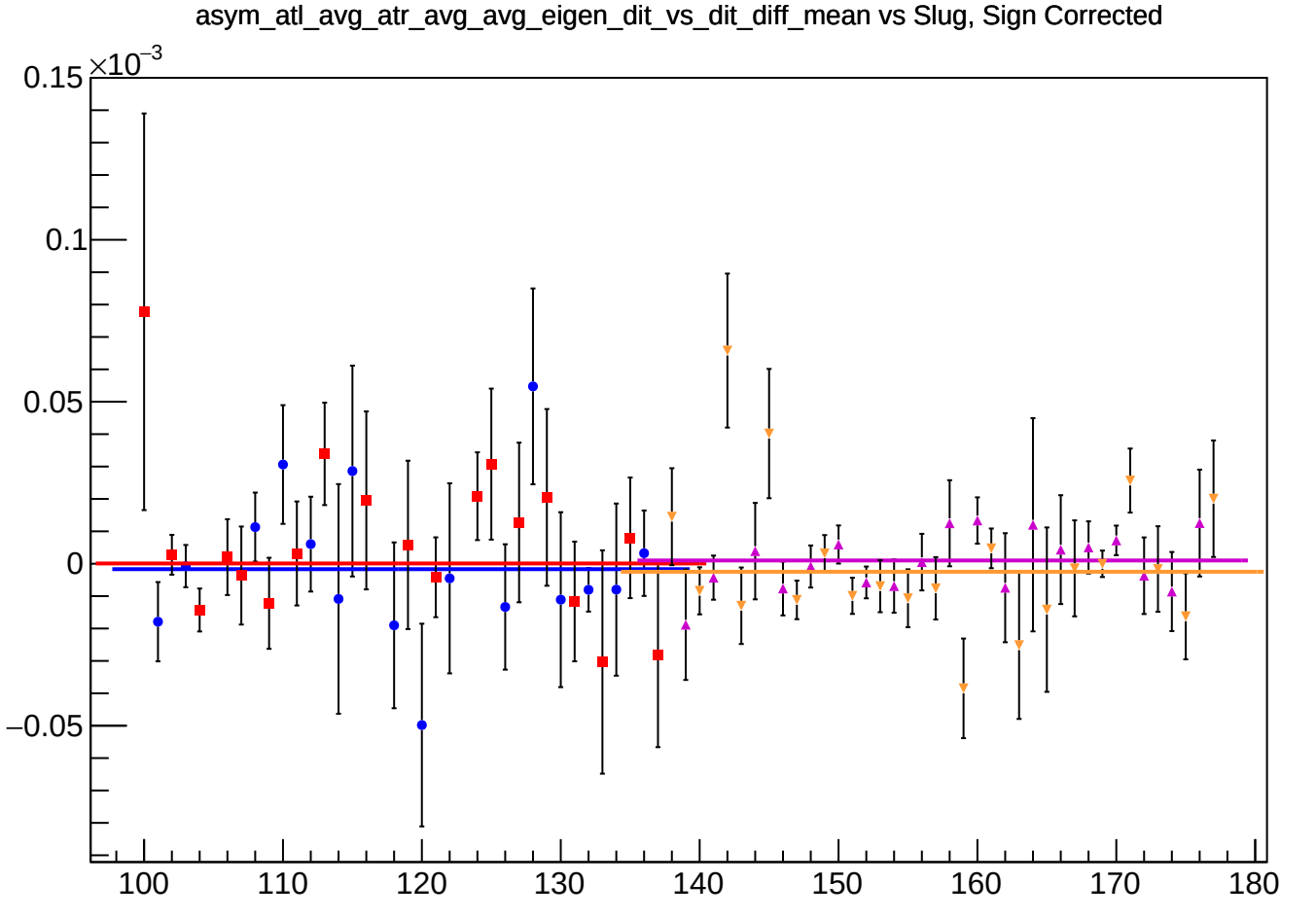
Left: 294.969+/-0.039 χ^2/NDF: 4936326.8/39

Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 219.466+/-0.036 χ^2/NDF:5860377.5/34

Out: 210.718+/-0.035 χ^2/NDF:9873101.5/39

All: 215.028+/-0.025 χ^2/NDF: 15764015.2/74



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:41.1/20

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:14.2/18

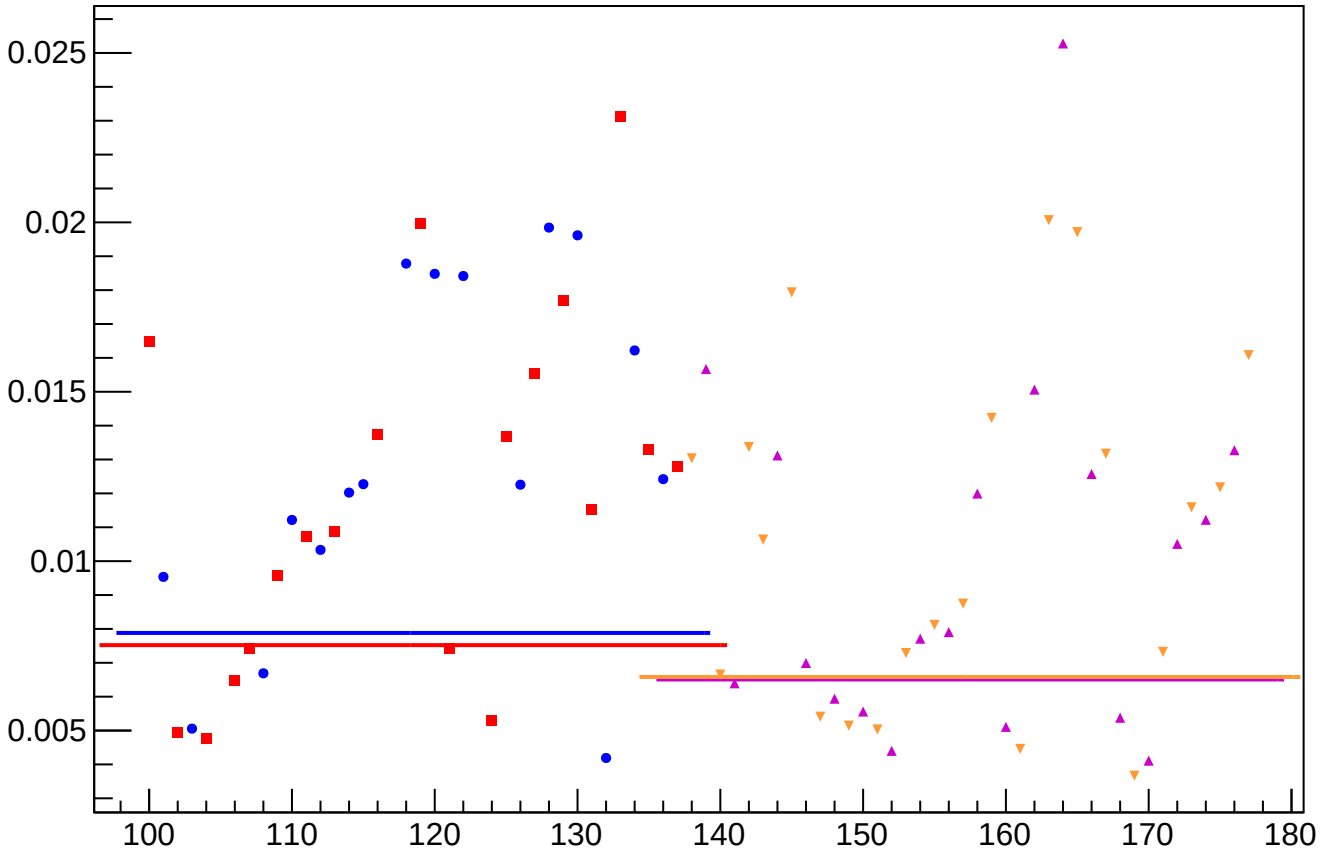
Left: -0.000+/-0.000 χ^2/NDF: 57.0/39

Right: -0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:30.1/34

Out: -0.000+/-0.000 χ^2/NDF:61.5/39

All: -0.000+/-0.000 χ^2/NDF: 92.5/74



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:6553673.5/20

Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.007+/-0.000 χ^2/NDF:4807516.3/18

Left: 0.007+/-0.000 χ^2/NDF: 11362759.5/39

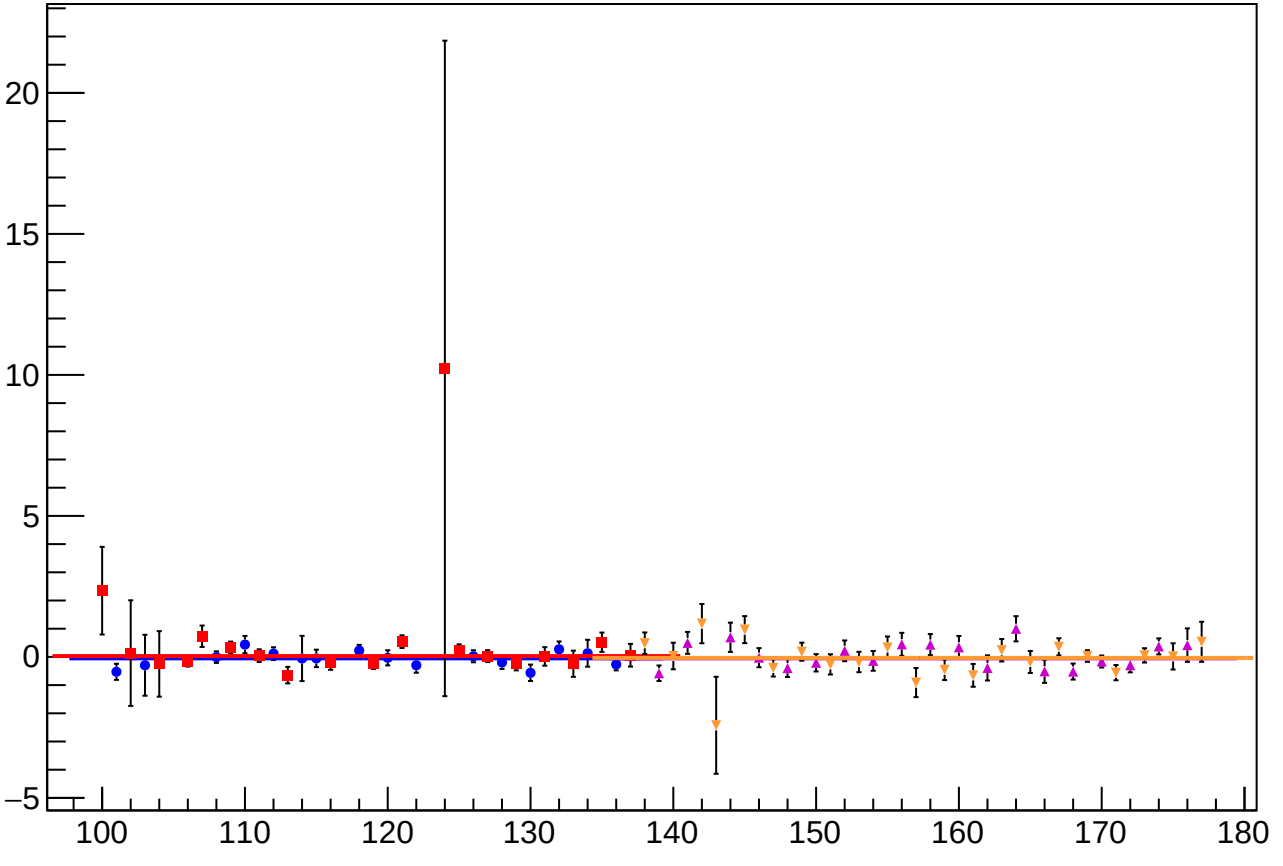
Right: 0.008+/-0.000 χ^2/NDF: 6289175.2/34

In: 0.007+/-0.000 χ^2/NDF:8358906.8/34

Out: 0.007+/-0.000 χ^2/NDF:9661998.8/39

All: 0.007+/-0.000 χ^2/NDF: 18020917.1/74

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: -0.035+/-0.079 χ^2/NDF:27.9/20

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.051+/-0.077 χ^2/NDF:28.0/18

Left: -0.043+/-0.055 χ^2/NDF: 55.9/39

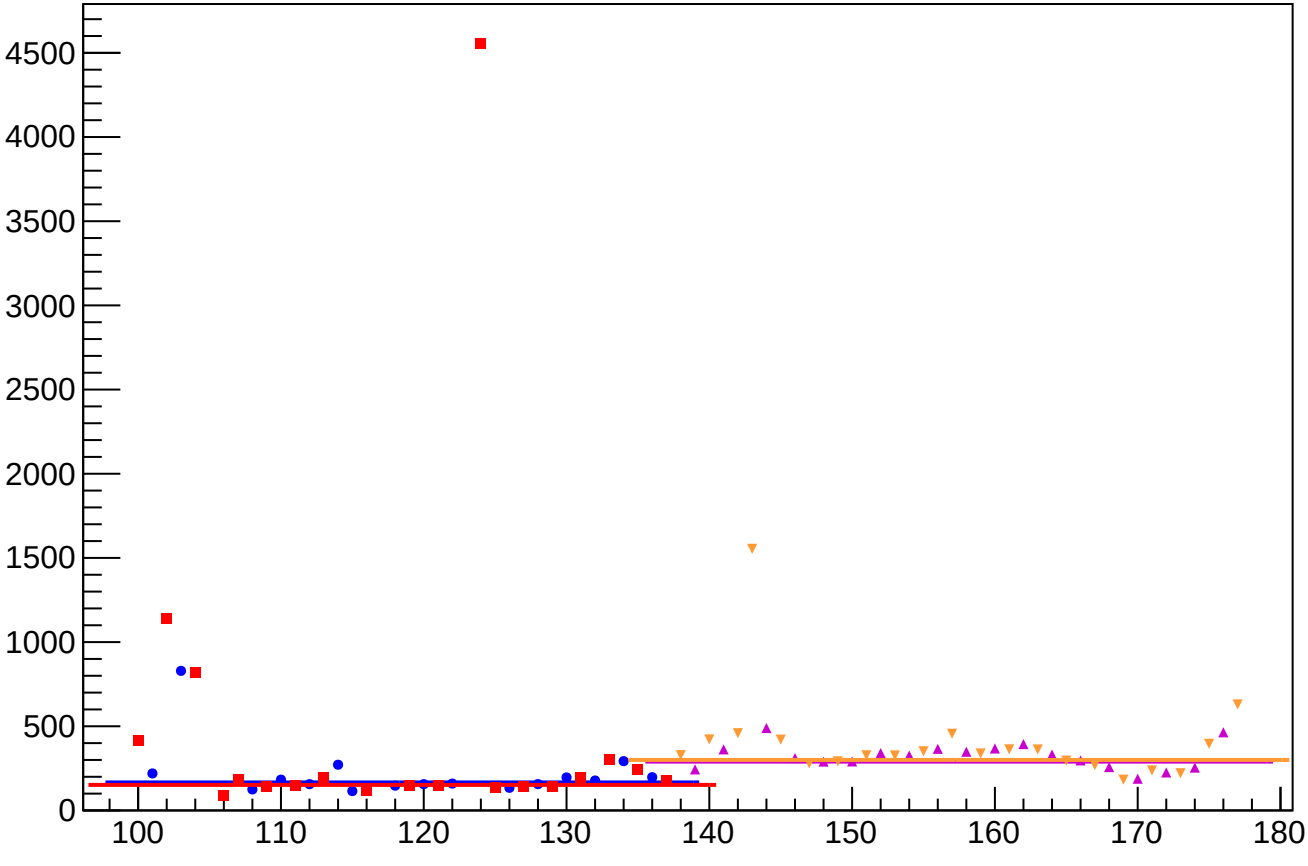
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.051+/-0.050 χ^2/NDF:42.8/34

Out: 0.004+/-0.050 χ^2/NDF:55.9/39

All: -0.023+/-0.035 χ^2/NDF: 99.3/74

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: 300.025+/-0.056 χ^2/NDF:3295533.2/20

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 290.148+/-0.054 χ^2/NDF:1625005.2/18

Left: 294.970+/-0.039 χ^2/NDF: 4936612.6/39

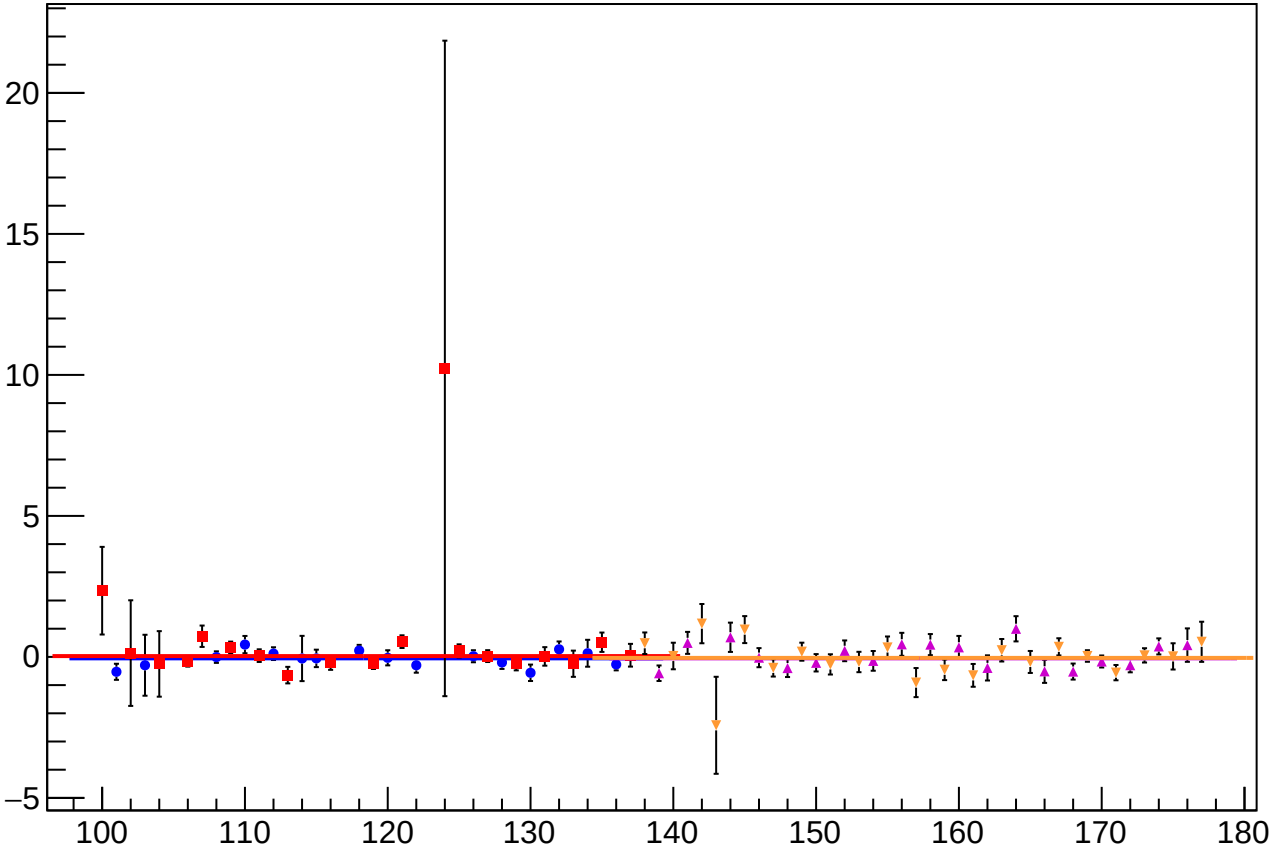
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 219.465+/-0.036 χ^2/NDF:5860568.4/34

Out: 210.716+/-0.035 χ^2/NDF:9873362.1/39

All: 215.027+/-0.025 χ^2/NDF: 15764473.9/74

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: -0.035+/-0.079 χ^2/NDF:27.9/20

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.051+/-0.077 χ^2/NDF:28.0/18

Left: -0.043+/-0.055 χ^2/NDF: 55.9/39

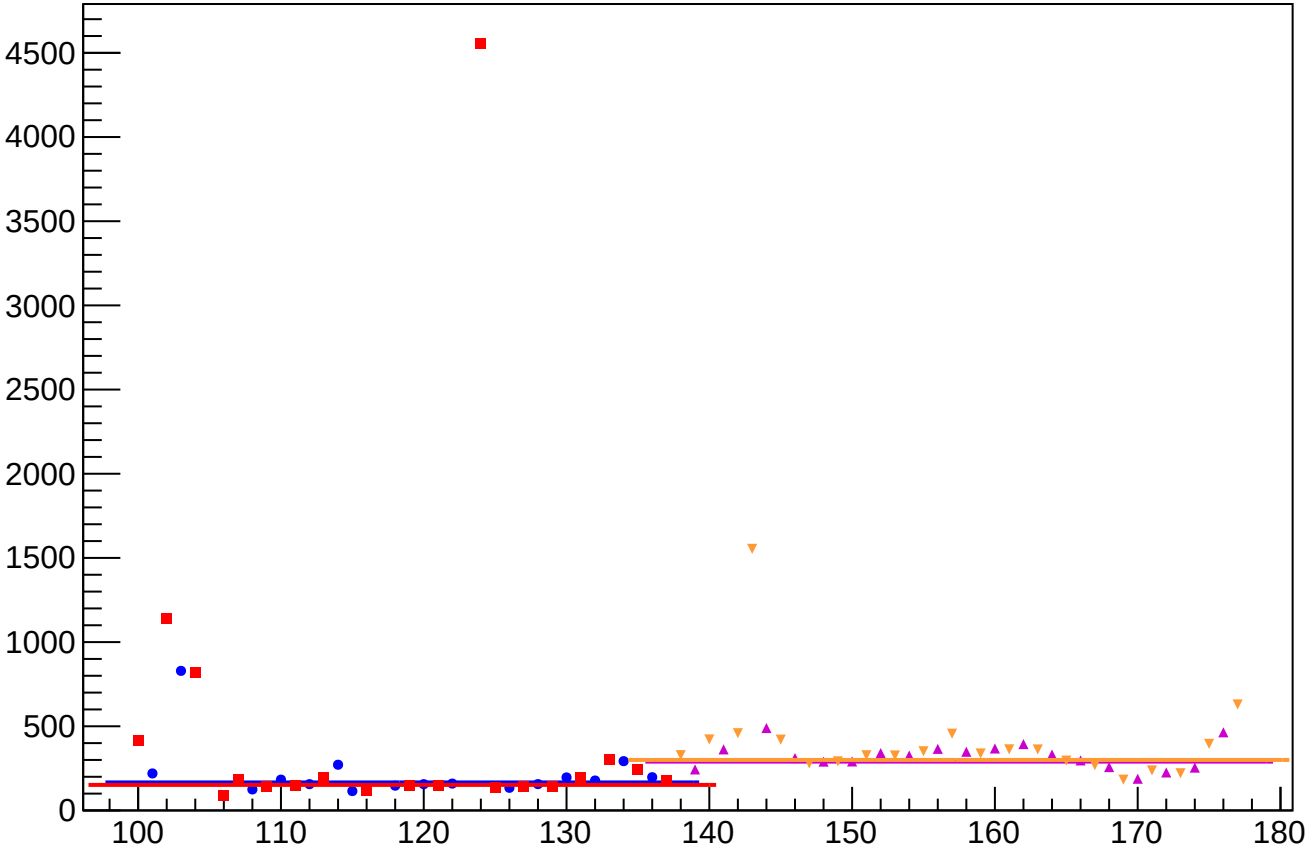
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.051+/-0.050 χ^2/NDF:42.8/34

Out: 0.004+/-0.050 χ^2/NDF:55.9/39

All: -0.023+/-0.035 χ^2/NDF: 99.3/74

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: 300.025+/-0.056 χ^2/NDF:3295533.2/20

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 290.148+/-0.054 χ^2/NDF:1625005.2/18

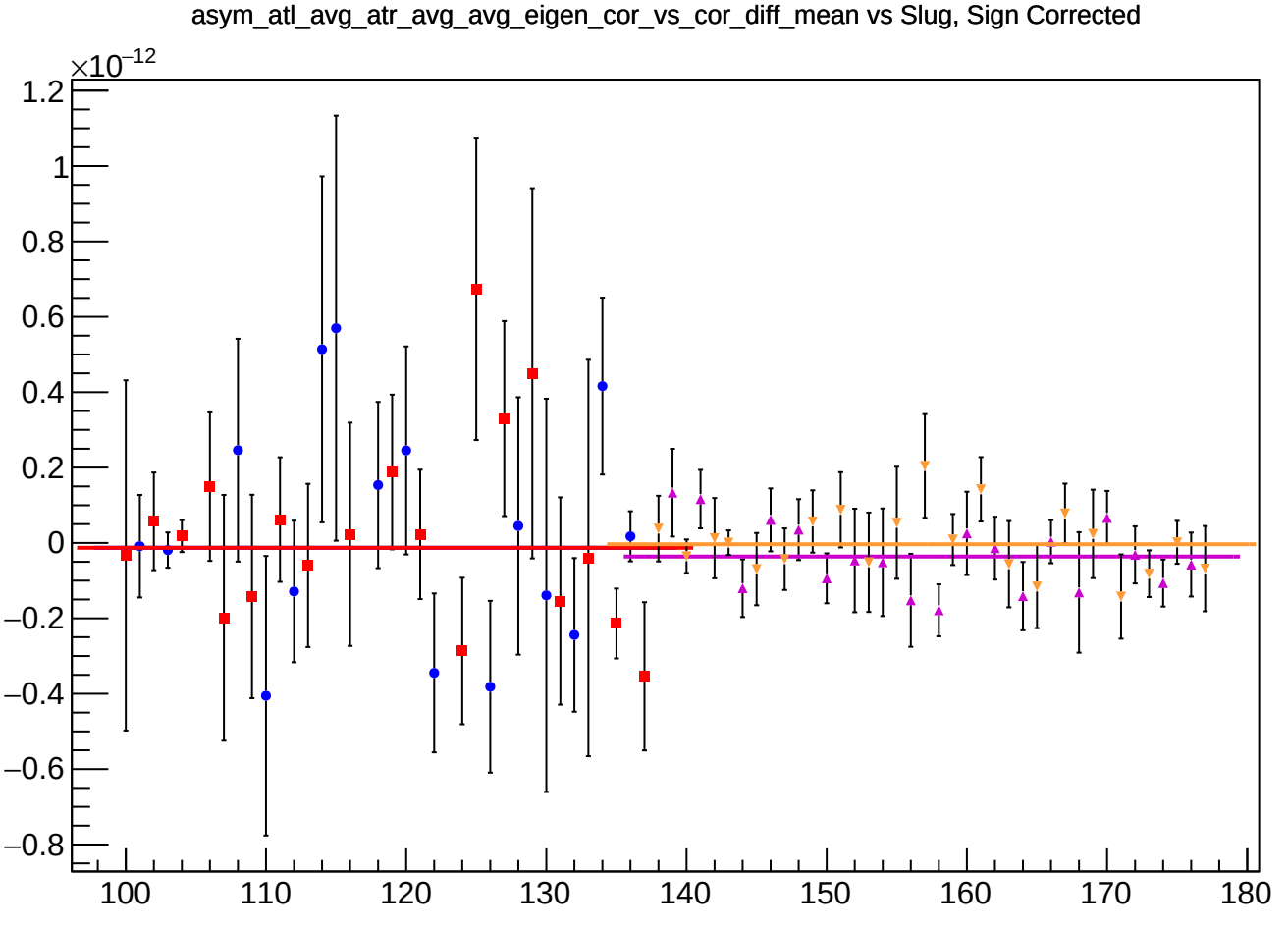
Left: 294.970+/-0.039 χ^2/NDF: 4936612.6/39

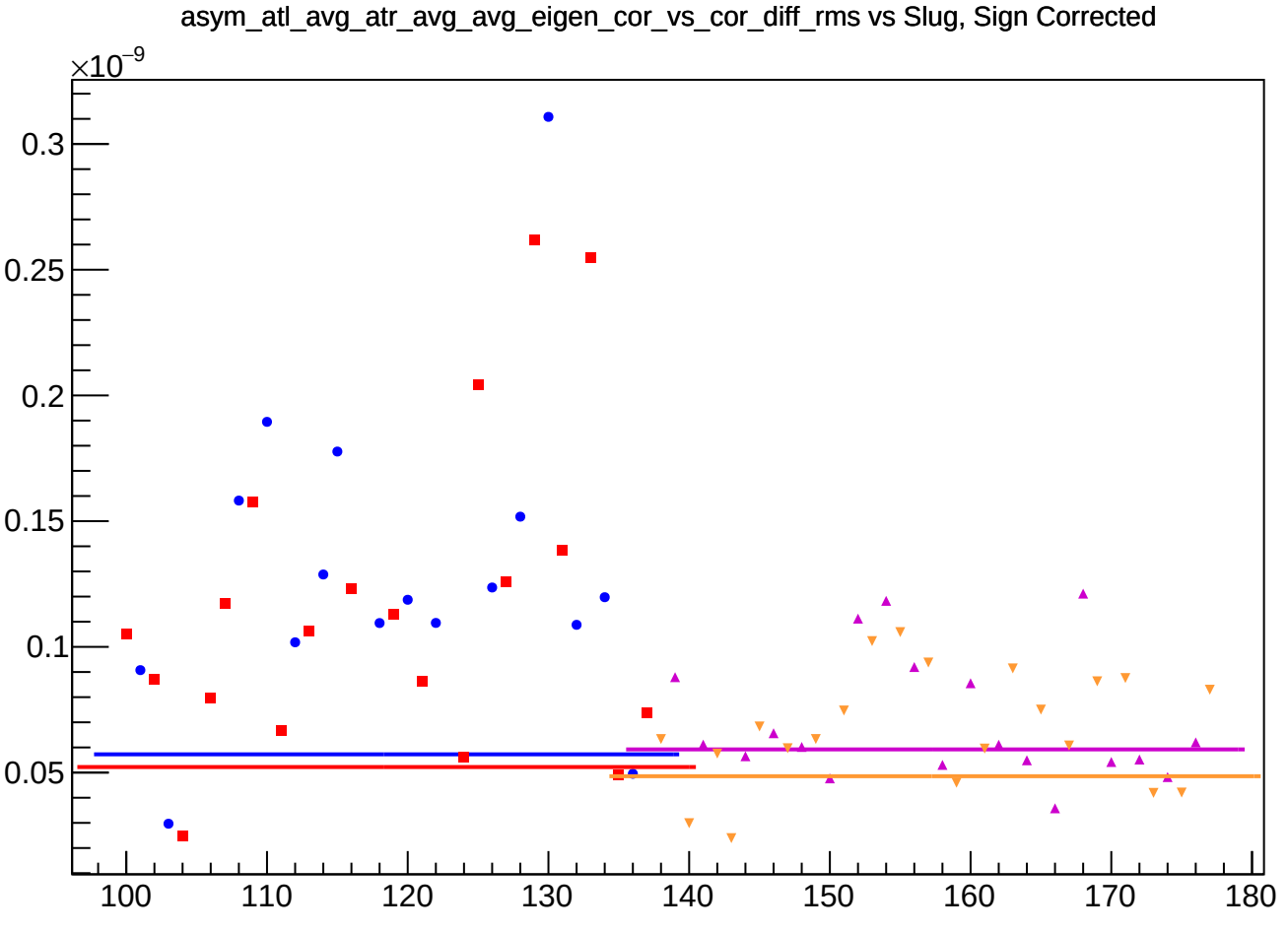
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

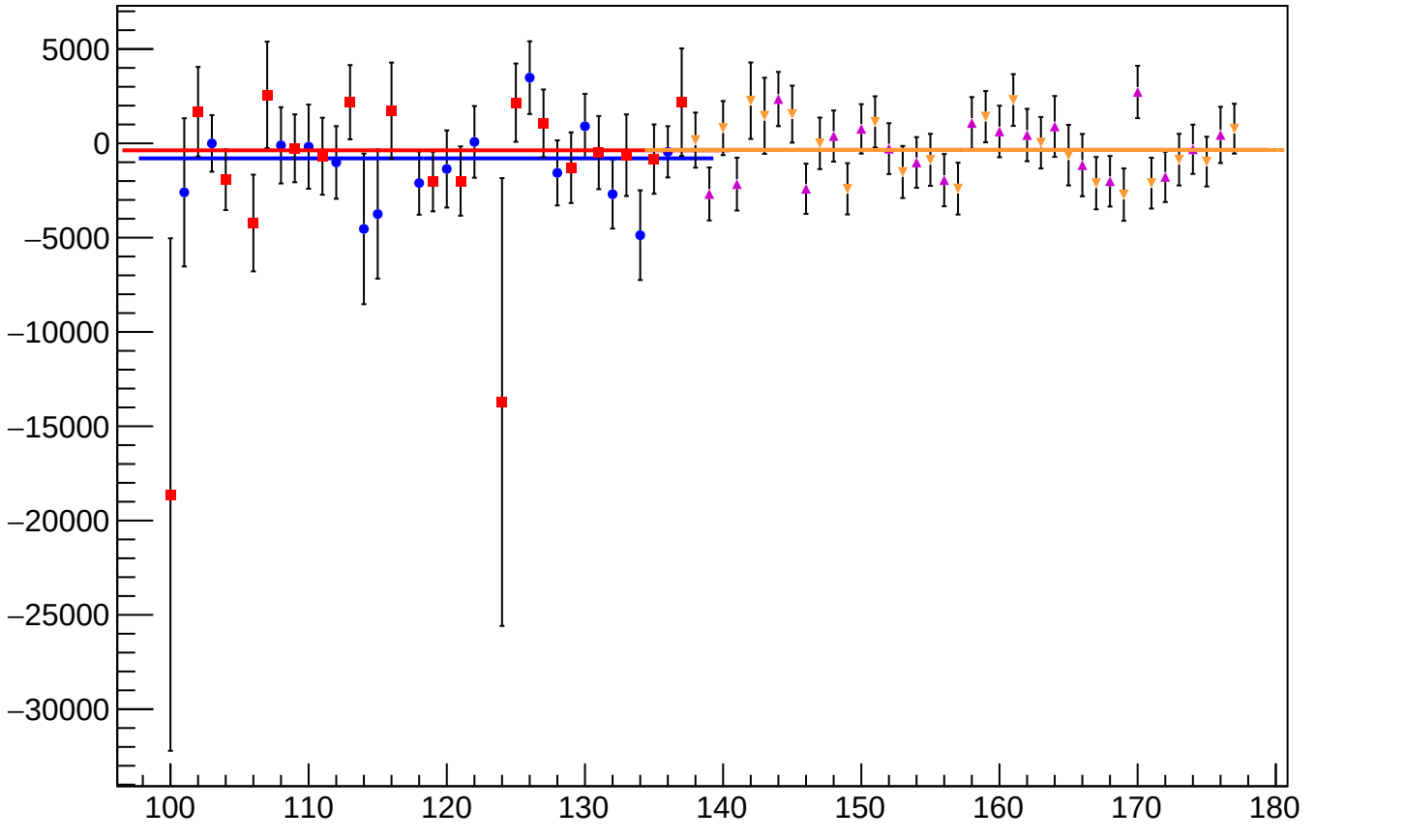
In: 219.465+/-0.036 χ^2/NDF:5860568.4/34

Out: 210.716+/-0.035 χ^2/NDF:9873362.1/39

All: 215.027+/-0.025 χ^2/NDF: 15764473.9/74


asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 16.1/15
Left Out: -0.000+/-0.000 χ²/NDF:14.2/20
Right Out: -0.000+/-0.000 χ²/NDF: 18.9/18
Left In: -0.000+/-0.000 χ²/NDF:21.2/18
Left: -0.000+/-0.000 χ²/NDF: 37.1/39
Right: -0.000+/-0.000 χ²/NDF: 35.0/34
In: -0.000+/-0.000 χ²/NDF:37.7/34
Out: -0.000+/-0.000 χ²/NDF:33.1/39
All: -0.000+/-0.000 χ²/NDF: 72.1/74


asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2983121.7/15
Left Out: 0.000+/-0.000 χ²/NDF:3895195.0/20
Right Out: 0.000+/-0.000 χ²/NDF: 3287828.4/18
Left In: 0.000+/-0.000 χ²/NDF:1819773.0/18
Left: 0.000+/-0.000 χ²/NDF: 6079072.4/39
Right: 0.000+/-0.000 χ²/NDF: 6295515.7/34
In: 0.000+/-0.000 χ²/NDF:4808203.9/34
Out: 0.000+/-0.000 χ²/NDF:7204263.3/39
All: 0.000+/-0.000 χ²/NDF: 12381924.7/74



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -351.151+/-310.829 χ^2/NDF:24.3/20

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -344.707+/-318.942 χ^2/NDF:23.6/18

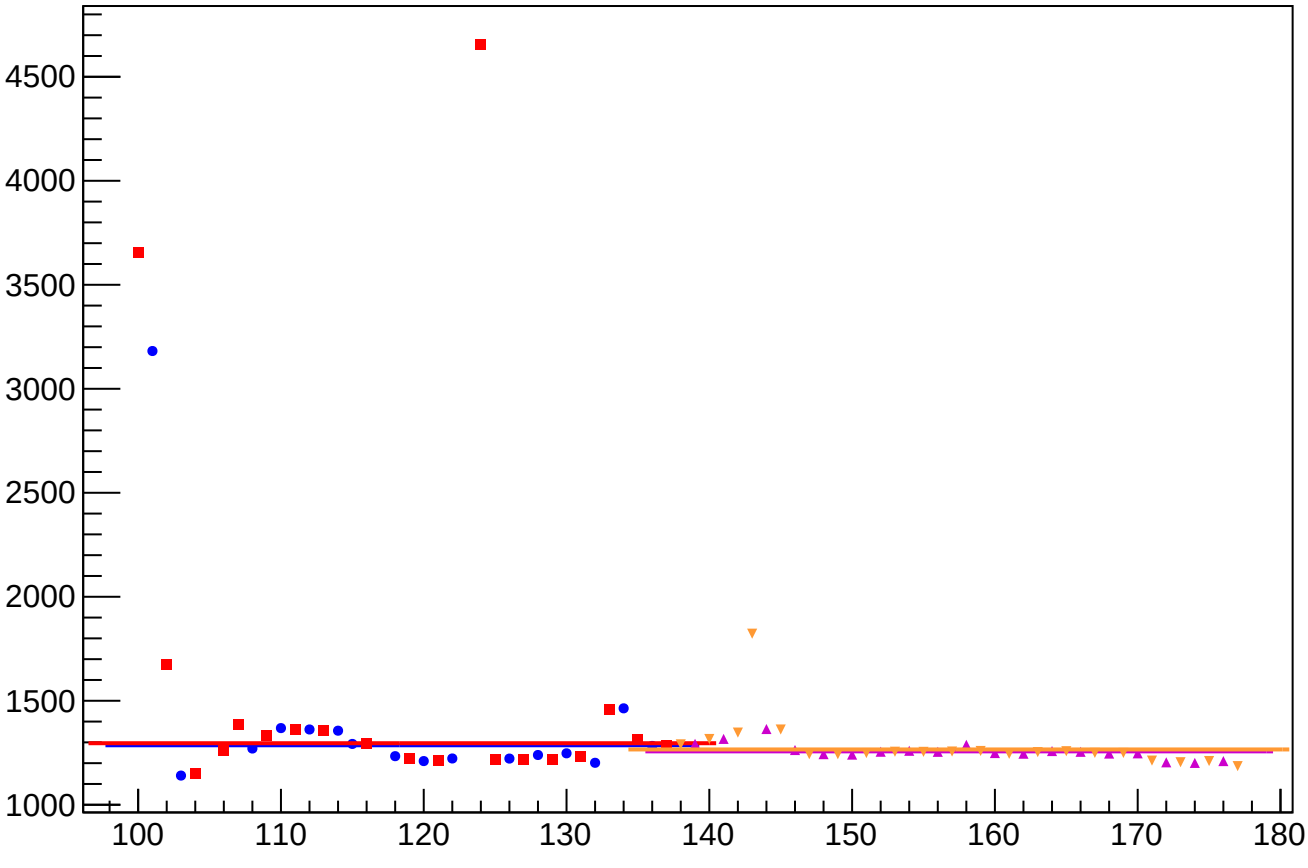
Left: -348.012+/-222.602 χ^2/NDF: 47.9/39

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -480.379+/-266.889 χ^2/NDF:37.6/34

Out: -356.629+/-261.827 χ^2/NDF:39.9/39

All: -417.319+/-186.904 χ^2/NDF: 77.6/74



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1265.948+/-0.220 χ^2/NDF:187824.7/20

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1256.800+/-0.226 χ^2/NDF:26886.1/18

Left: 1261.492+/-0.157 χ^2/NDF: 215554.7/39

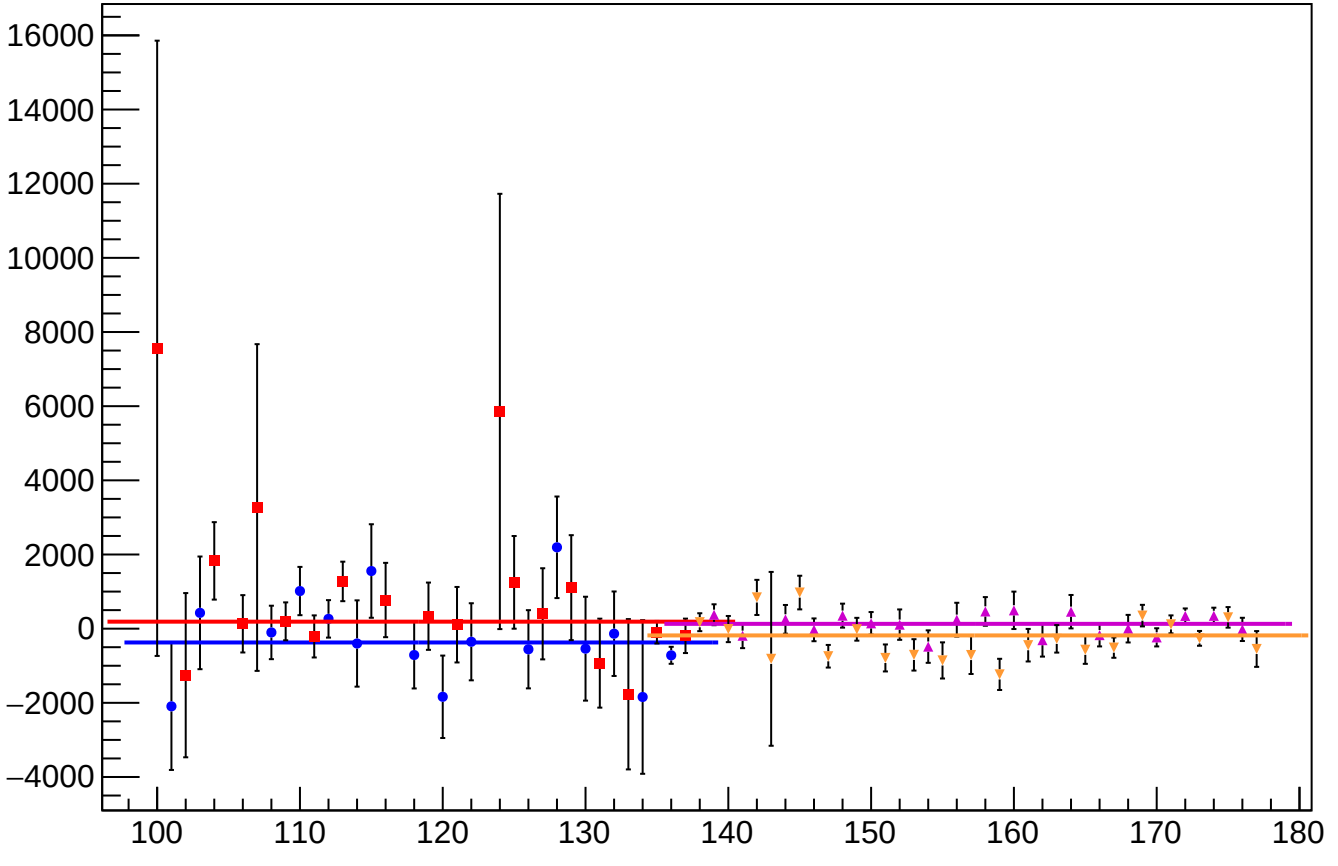
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1265.583+/-0.189 χ^2/NDF:550071.9/34

Out: 1274.660+/-0.185 χ^2/NDF:521303.9/39

All: 1270.208+/-0.132 χ^2/NDF: 1072554.8/74

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: -181.967+/-73.159 χ^2/NDF:42.5/20

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 129.752+/-73.266 χ^2/NDF:13.0/18

Left: -26.334+/-51.769 χ^2/NDF: 64.6/39

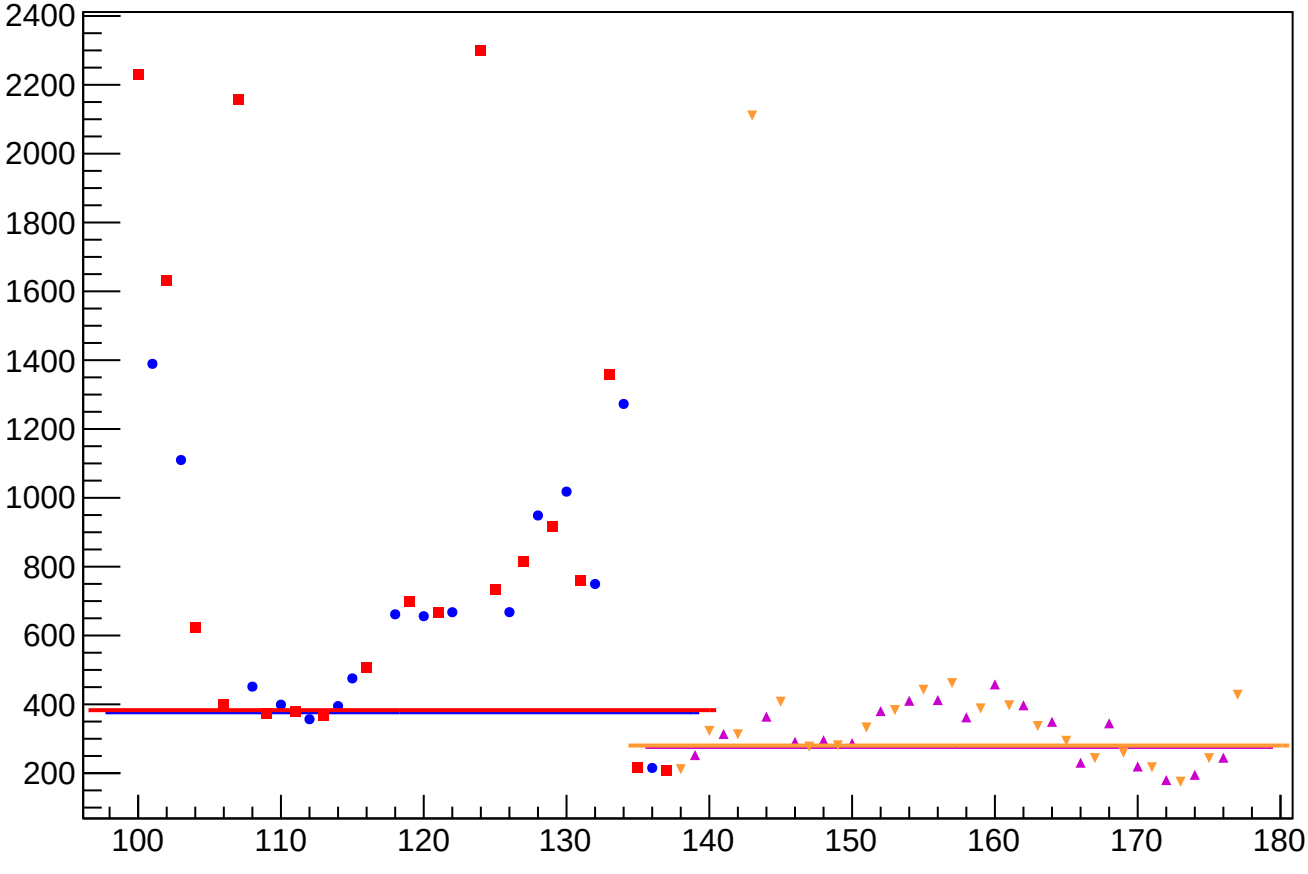
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: 49.685+/-67.170 χ^2/NDF:38.6/34

Out: -123.763+/-67.174 χ^2/NDF:61.2/39

All: -37.034+/-47.498 χ^2/NDF: 103.2/74

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: 280.319+/-0.052 χ^2/NDF:3492094.4/20

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 276.202+/-0.052 χ^2/NDF:2186294.9/18

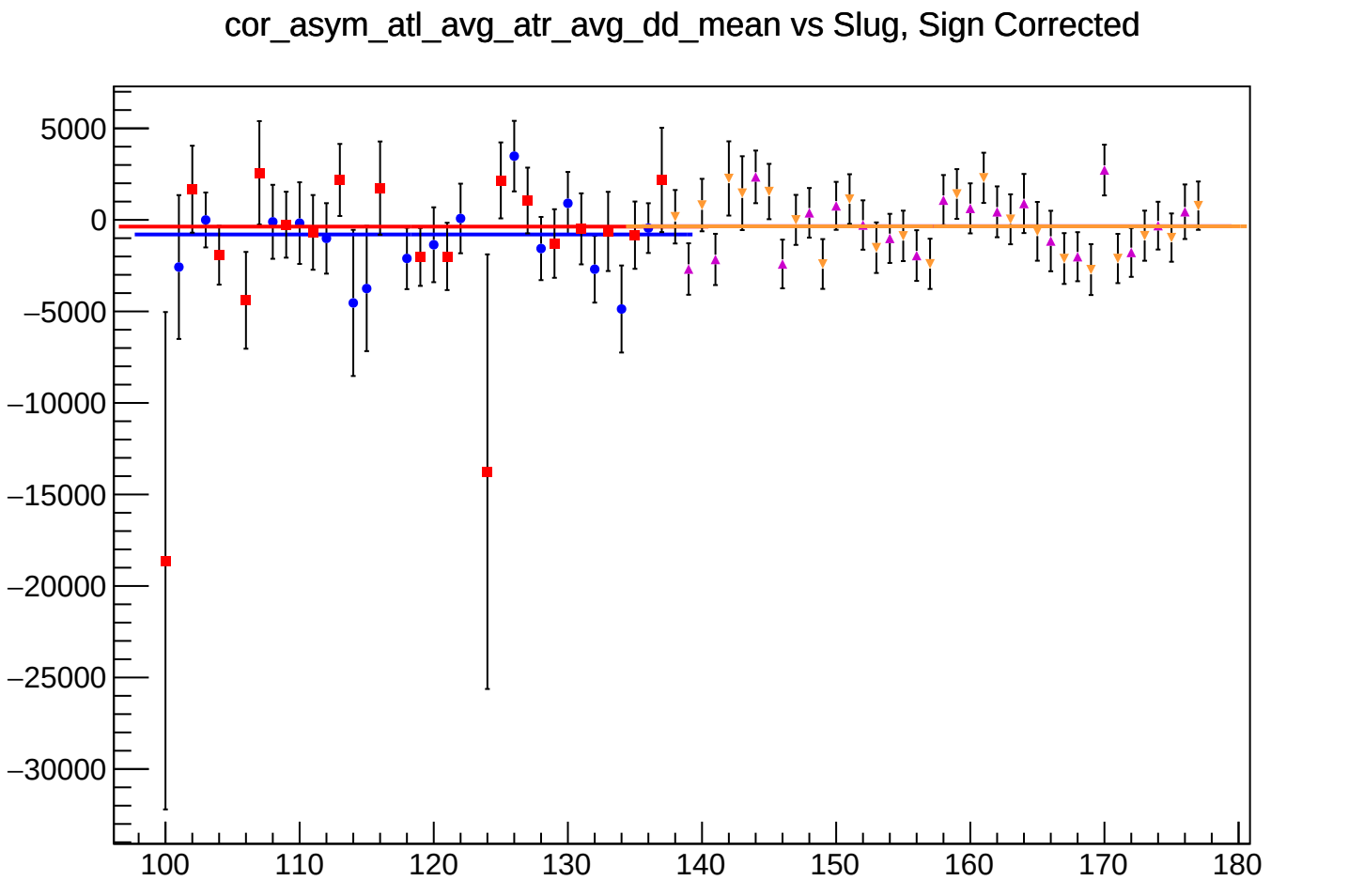
Left: 278.263+/-0.037 χ^2/NDF: 5681551.1/39

Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 292.259+/-0.047 χ^2/NDF:6978896.6/34

Out: 296.443+/-0.047 χ^2/NDF:8165344.3/39

All: 294.351+/-0.034 χ^2/NDF: 15148120.4/74



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -351.144+/-310.829 χ^2/NDF:24.3/20

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -344.660+/-318.942 χ^2/NDF:23.6/18

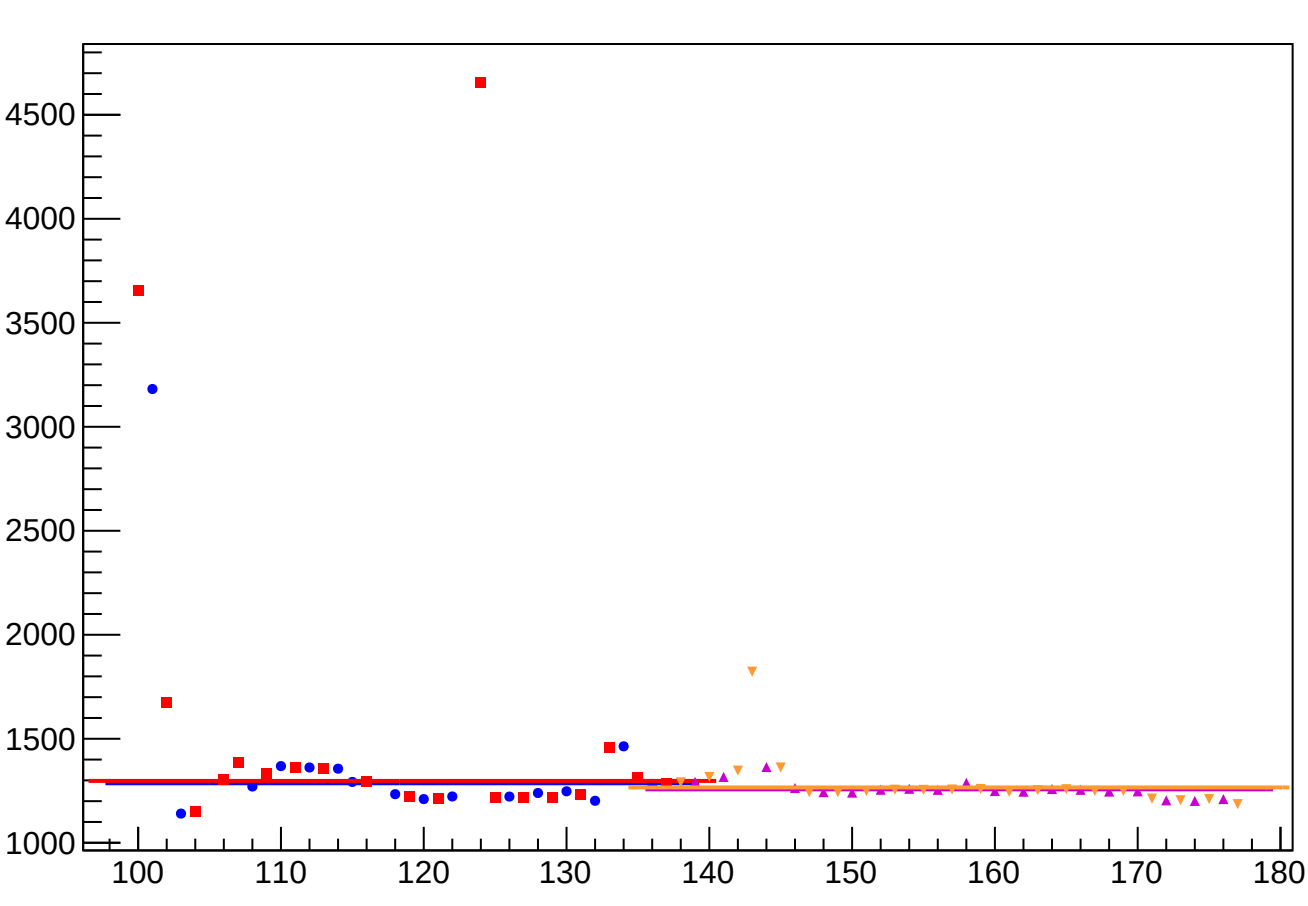
Left: -347.985+/-222.602 χ^2/NDF: 47.9/39

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -480.225+/-266.889 χ^2/NDF:37.6/34

Out: -355.880+/-261.909 χ^2/NDF:40.0/39

All: -416.881+/-186.933 χ^2/NDF: 77.7/74



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1265.948+/-0.220 χ^2/NDF:187824.7/20

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1256.800+/-0.226 χ^2/NDF:26886.1/18

Left: 1261.492+/-0.157 χ^2/NDF: 215554.7/39

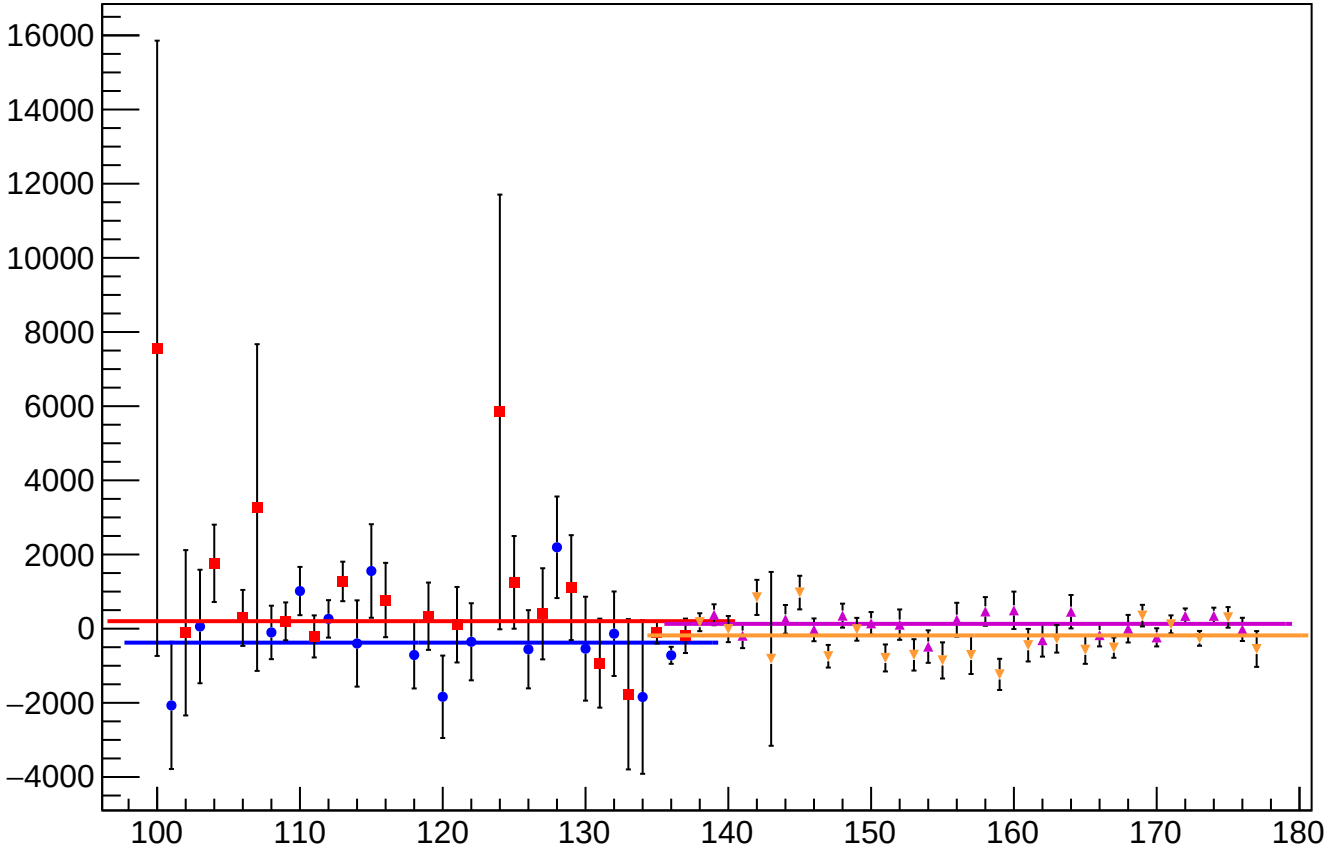
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1265.582+/-0.189 χ^2/NDF:550073.2/34

Out: 1275.068+/-0.185 χ^2/NDF:521502.6/39

All: 1270.414+/-0.132 χ^2/NDF: 1072862.7/74

asym_atl_avg_atr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -181.964+/-73.161 χ^2/NDF:42.5/20

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 129.837+/-73.267 χ^2/NDF:13.0/18

Left: -26.289+/-51.770 χ^2/NDF: 64.6/39

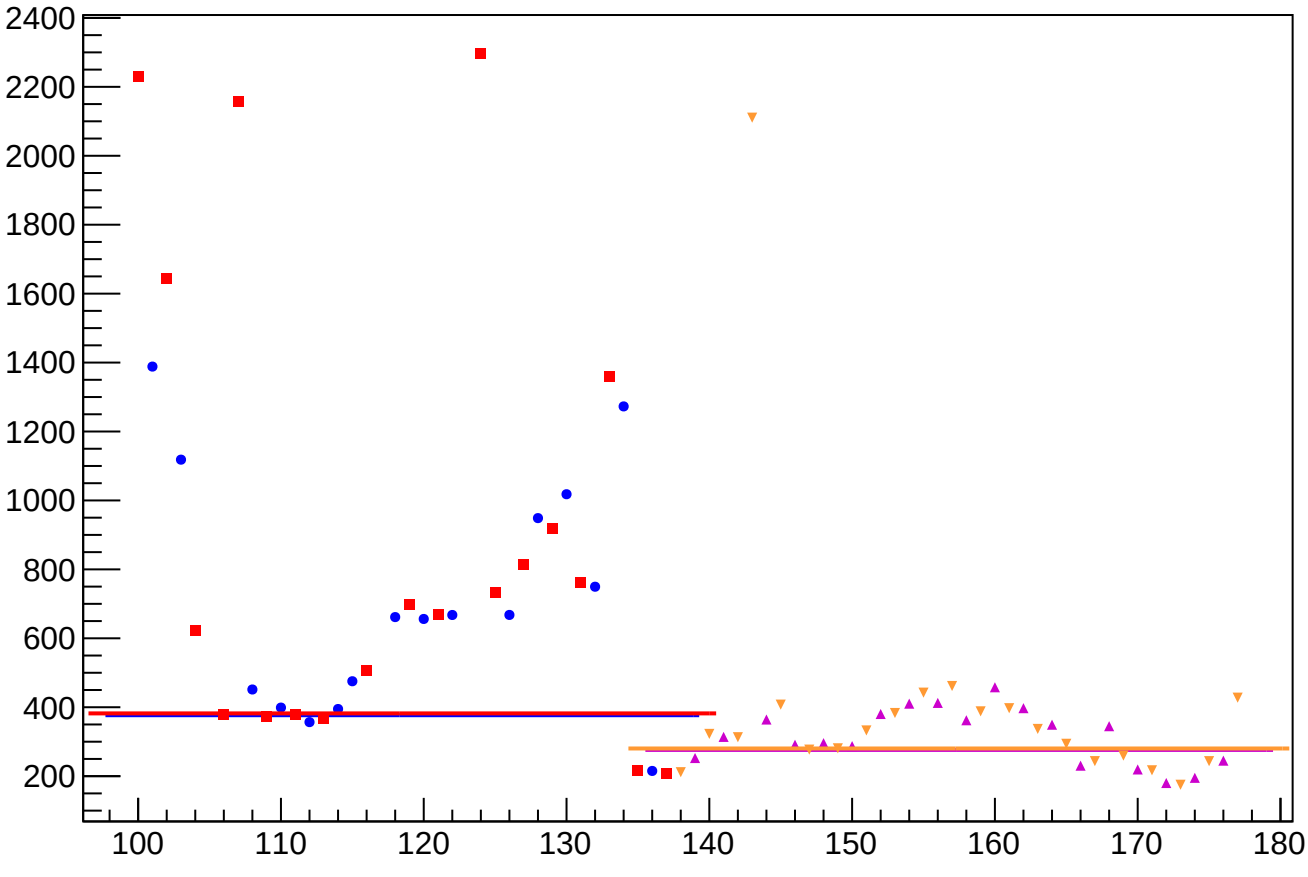
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 49.061+/-67.173 χ^2/NDF:38.6/34

Out: -121.567+/-67.164 χ^2/NDF:60.9/39

All: -36.265+/-47.495 χ^2/NDF: 102.7/74

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: 280.328+/-0.052 χ^2/NDF:3491796.3/20

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 276.208+/-0.052 χ^2/NDF:2186114.3/18

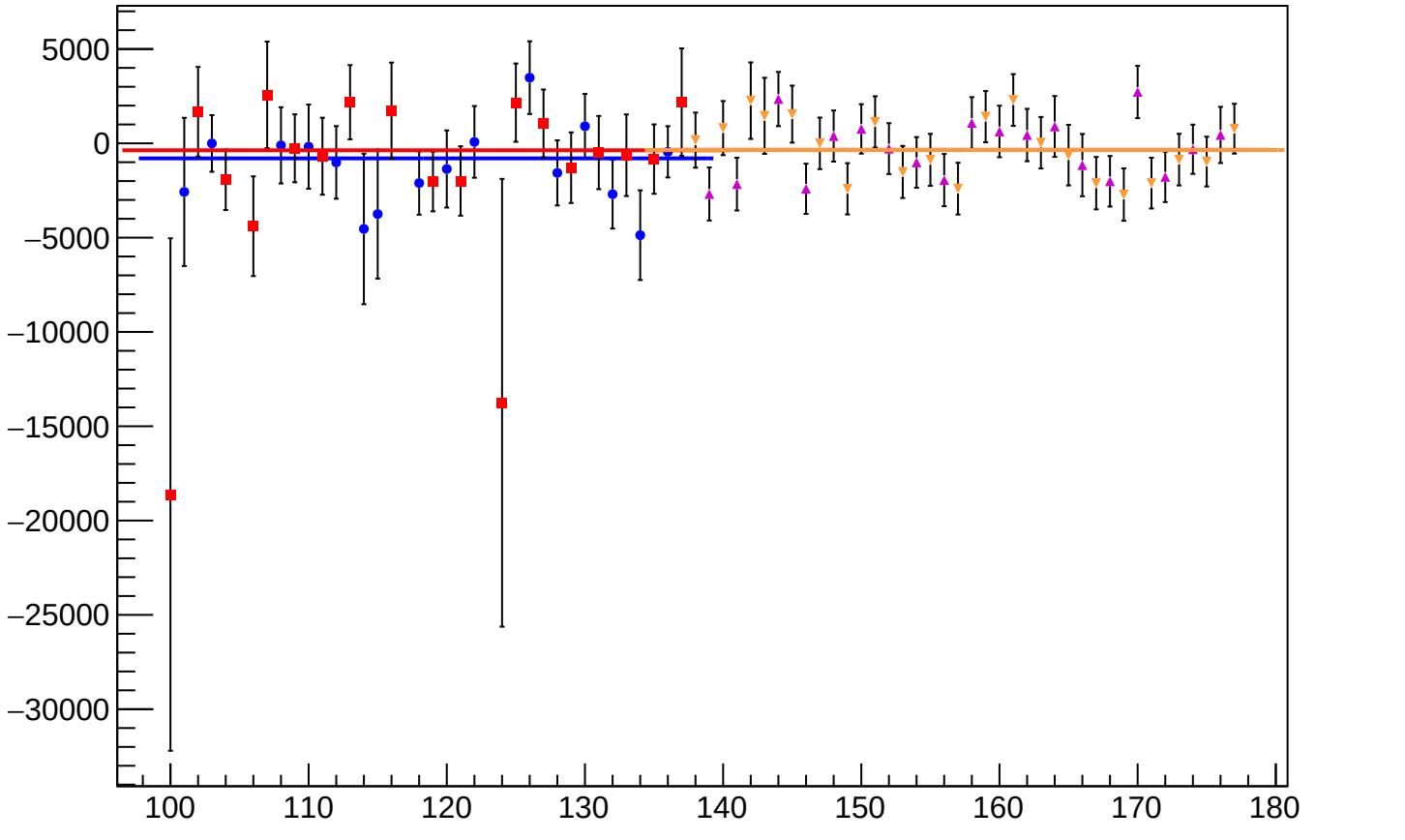
Left: 278.271+/-0.037 χ^2/NDF: 5681076.9/39

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 292.261+/-0.047 χ^2/NDF:6981546.0/34

Out: 296.336+/-0.047 χ^2/NDF:8160353.9/39

All: 294.299+/-0.034 χ^2/NDF: 15145581.6/74



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -351.144+/-310.829 χ^2/NDF:24.3/20

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -344.660+/-318.942 χ^2/NDF:23.6/18

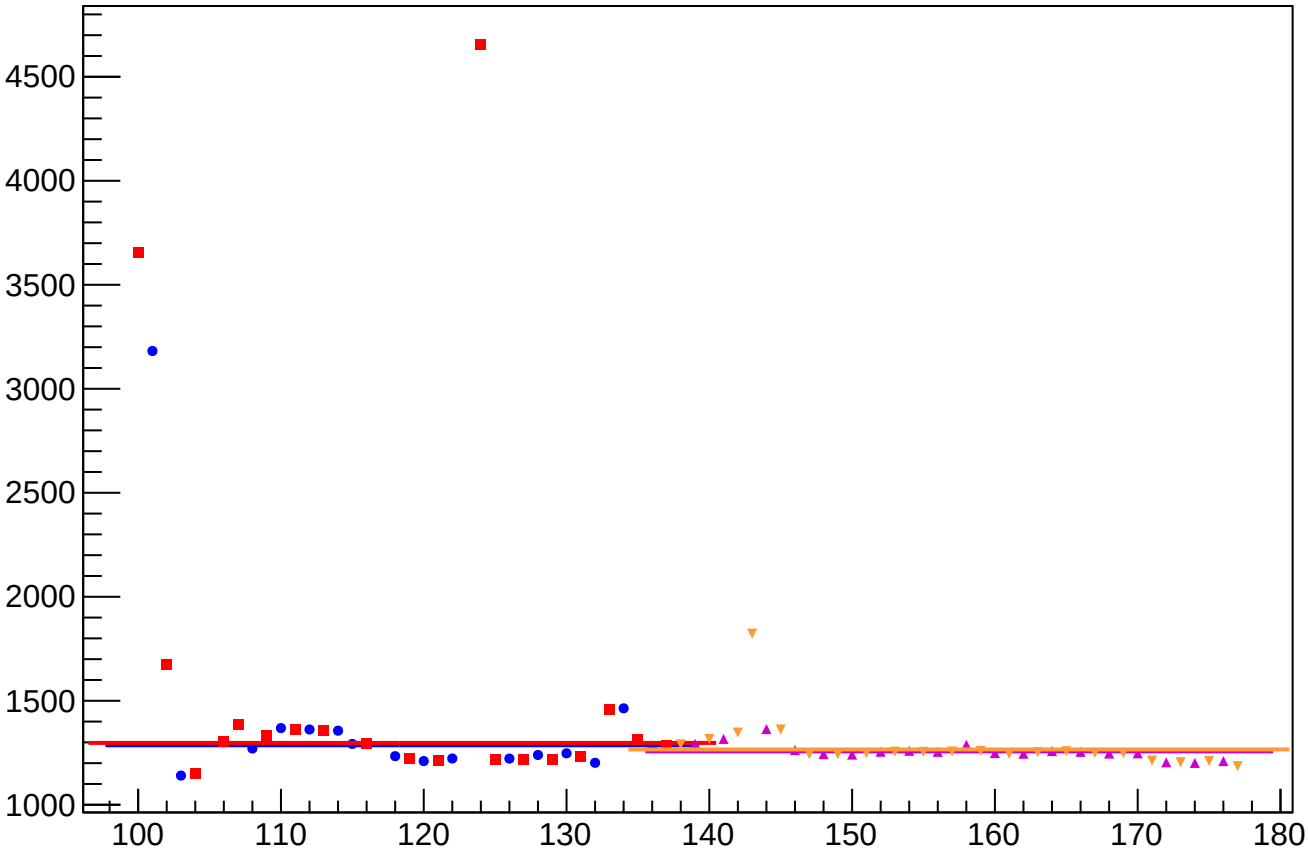
Left: -347.985+/-222.602 χ^2/NDF: 47.9/39

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -480.225+/-266.889 χ^2/NDF:37.6/34

Out: -355.880+/-261.909 χ^2/NDF:40.0/39

All: -416.881+/-186.933 χ^2/NDF: 77.7/74



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1265.948+/-0.220 χ^2/NDF:187824.7/20

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1256.800+/-0.226 χ^2/NDF:26886.1/18

Left: 1261.492+/-0.157 χ^2/NDF: 215554.7/39

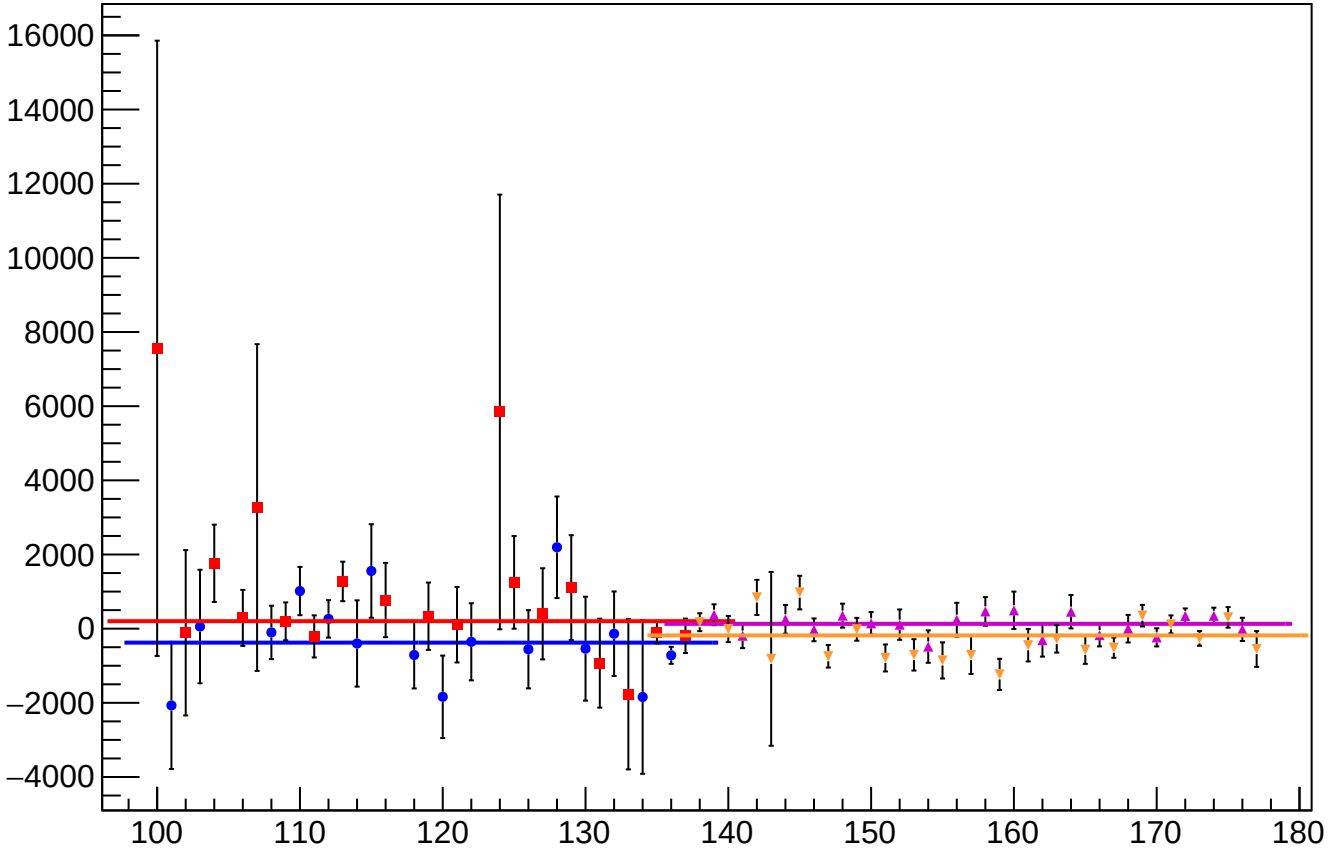
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1265.582+/-0.189 χ^2/NDF:550073.2/34

Out: 1275.068+/-0.185 χ^2/NDF:521502.6/39

All: 1270.414+/-0.132 χ^2/NDF: 1072862.7/74

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: -181.964+/-73.161 χ^2/NDF:42.5/20

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 129.837+/-73.267 χ^2/NDF:13.0/18

Left: -26.289+/-51.770 χ^2/NDF: 64.6/39

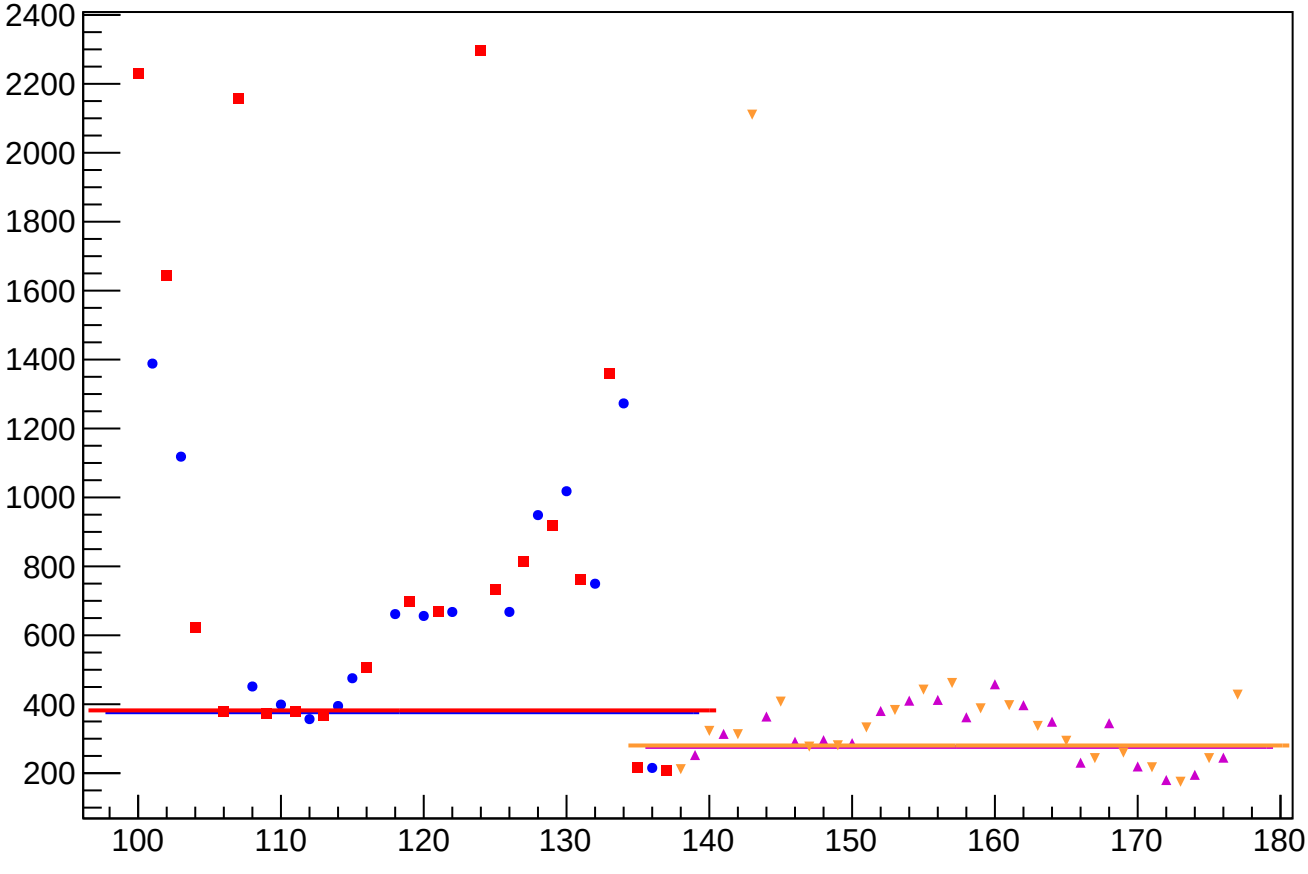
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 49.061+/-67.173 χ^2/NDF:38.6/34

Out: -121.567+/-67.164 χ^2/NDF:60.9/39

All: -36.265+/-47.495 χ^2/NDF: 102.7/74

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: 280.328+/-0.052 χ^2/NDF:3491796.3/20

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 276.208+/-0.052 χ^2/NDF:2186114.3/18

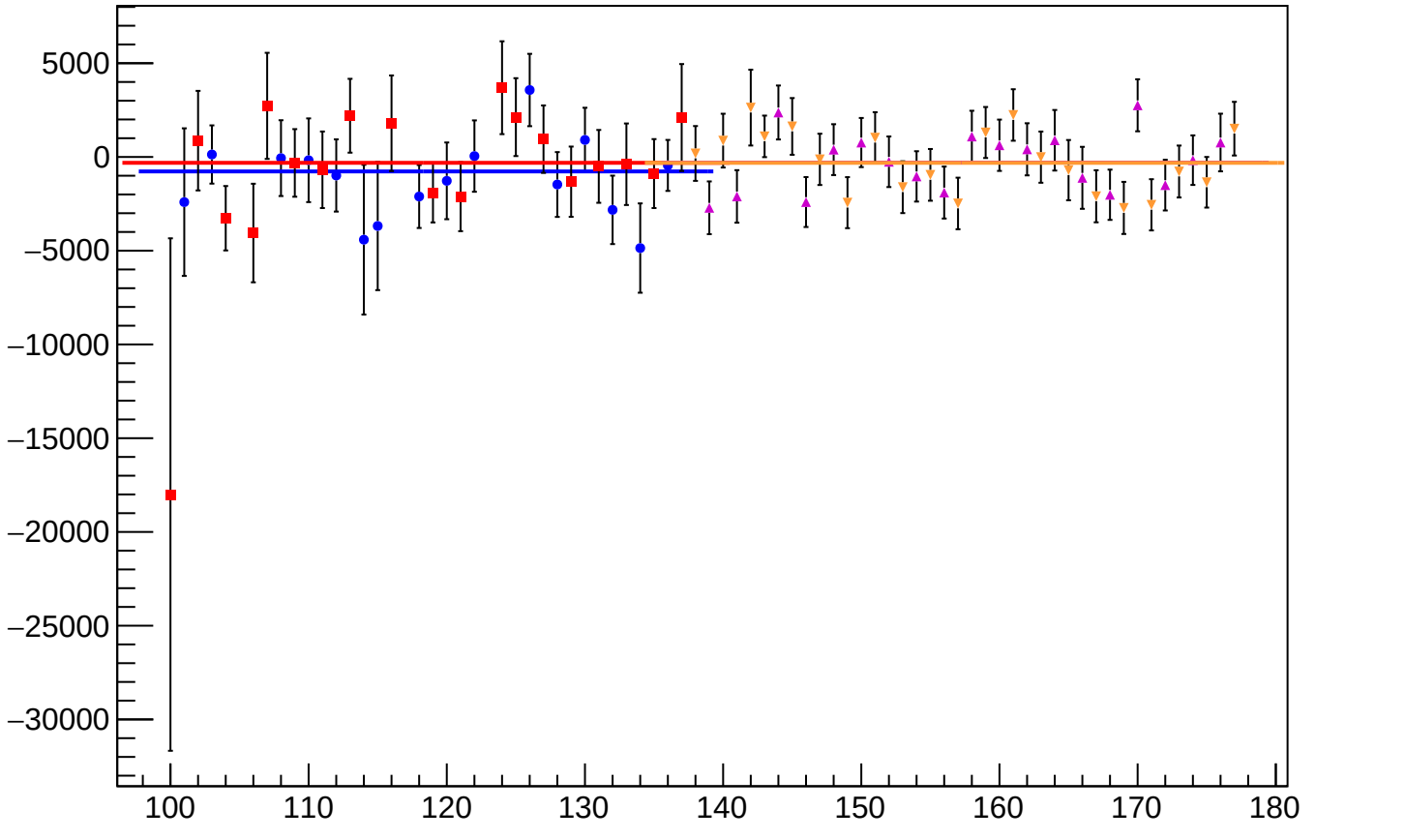
Left: 278.271+/-0.037 χ^2/NDF: 5681076.9/39

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 292.261+/-0.047 χ^2/NDF:6981546.0/34

Out: 296.336+/-0.047 χ^2/NDF:8160353.9/39

All: 294.299+/-0.034 χ^2/NDF: 15145581.6/74



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: -313.387+/-304.686 χ^2/NDF:27.8/20

Right Out: -311.418+/-482.642 χ^2/NDF: 17.9/18

Left In: -299.204+/-320.057 χ^2/NDF:23.4/18

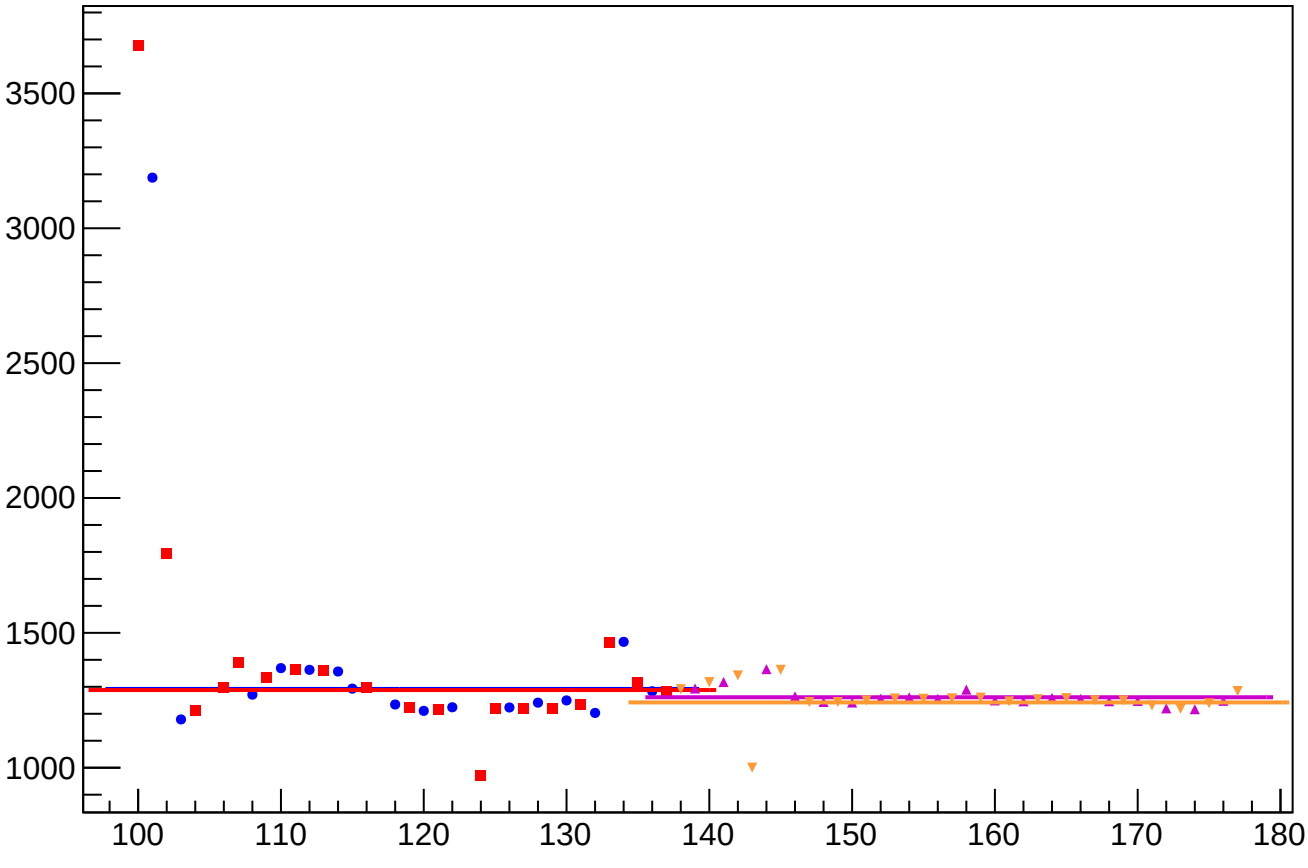
Left: -306.644+/-220.679 χ^2/NDF: 51.3/39

Right: -538.165+/-343.714 χ^2/NDF: 32.0/34

In: -440.606+/-267.895 χ^2/NDF:37.7/34

Out: -312.826+/-257.642 χ^2/NDF:45.8/39

All: -374.224+/-185.699 χ^2/NDF: 83.6/74



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1242.063+/-0.215 χ^2/NDF:124763.8/20

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1261.294+/-0.226 χ^2/NDF:21597.9/18

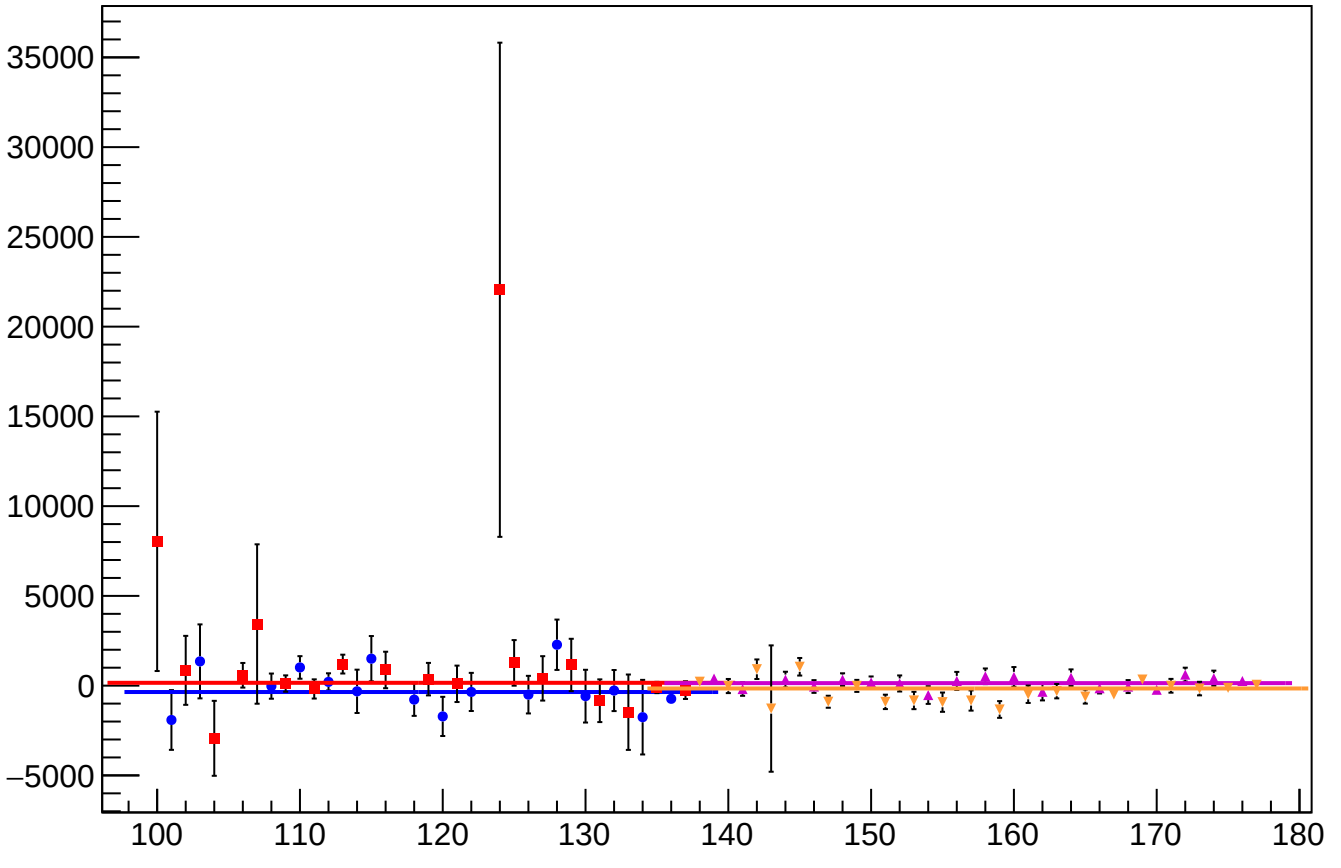
Left: 1251.206+/-0.156 χ^2/NDF: 150149.8/39

Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1270.499+/-0.189 χ^2/NDF:536529.1/34

Out: 1255.150+/-0.182 χ^2/NDF:346921.1/39

All: 1262.525+/-0.131 χ^2/NDF: 886861.0/74



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -157.443+/-69.193 χ^2/NDF:41.5/20

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 140.612+/-77.662 χ^2/NDF:13.0/18

Left: -25.546+/-51.663 χ^2/NDF: 62.7/39

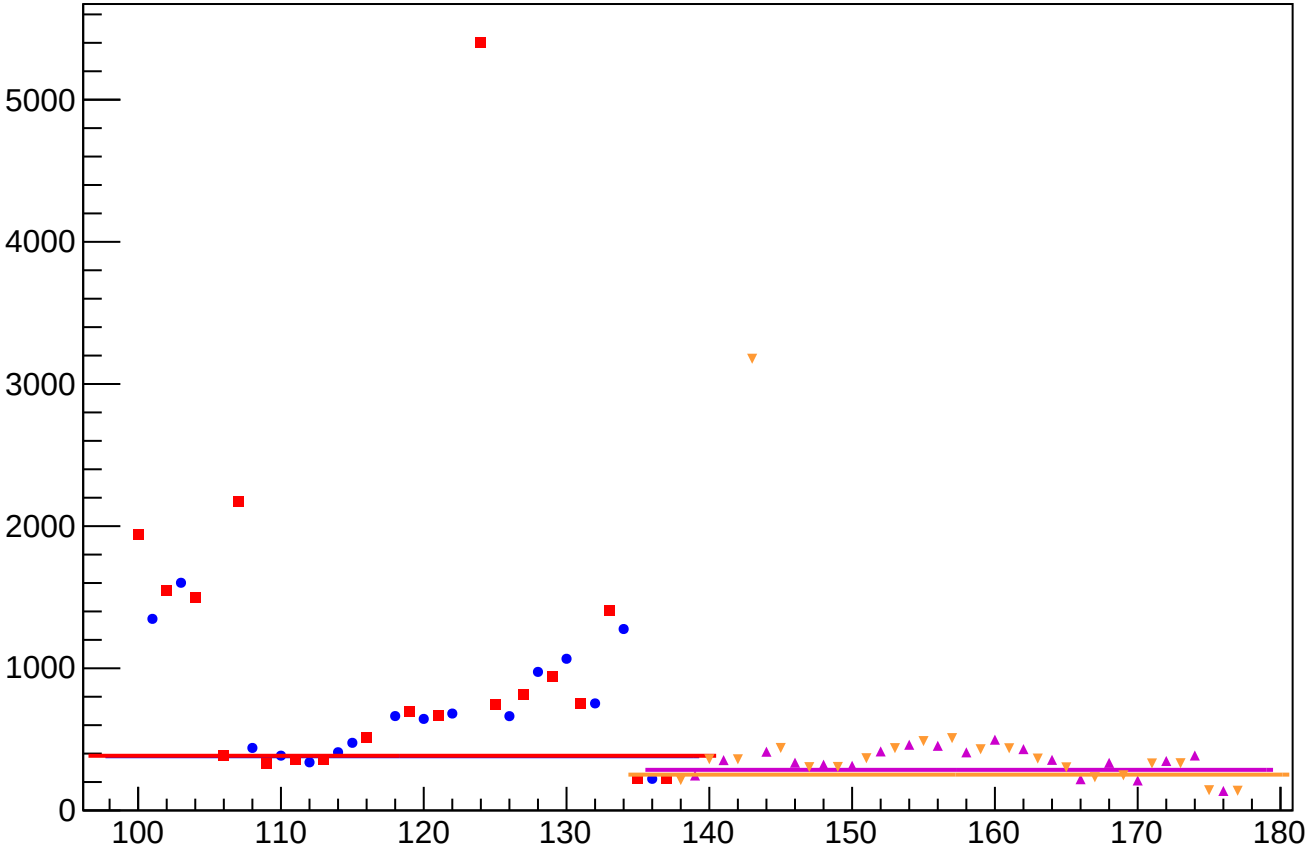
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: 54.975+/-70.637 χ^2/NDF:38.5/34

Out: -112.471+/-64.070 χ^2/NDF:60.3/39

All: -36.892+/-47.457 χ^2/NDF: 101.9/74

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: 252.063+/-0.049 χ^2/NDF:6277747.8/20

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 285.725+/-0.055 χ^2/NDF:3737837.6/18

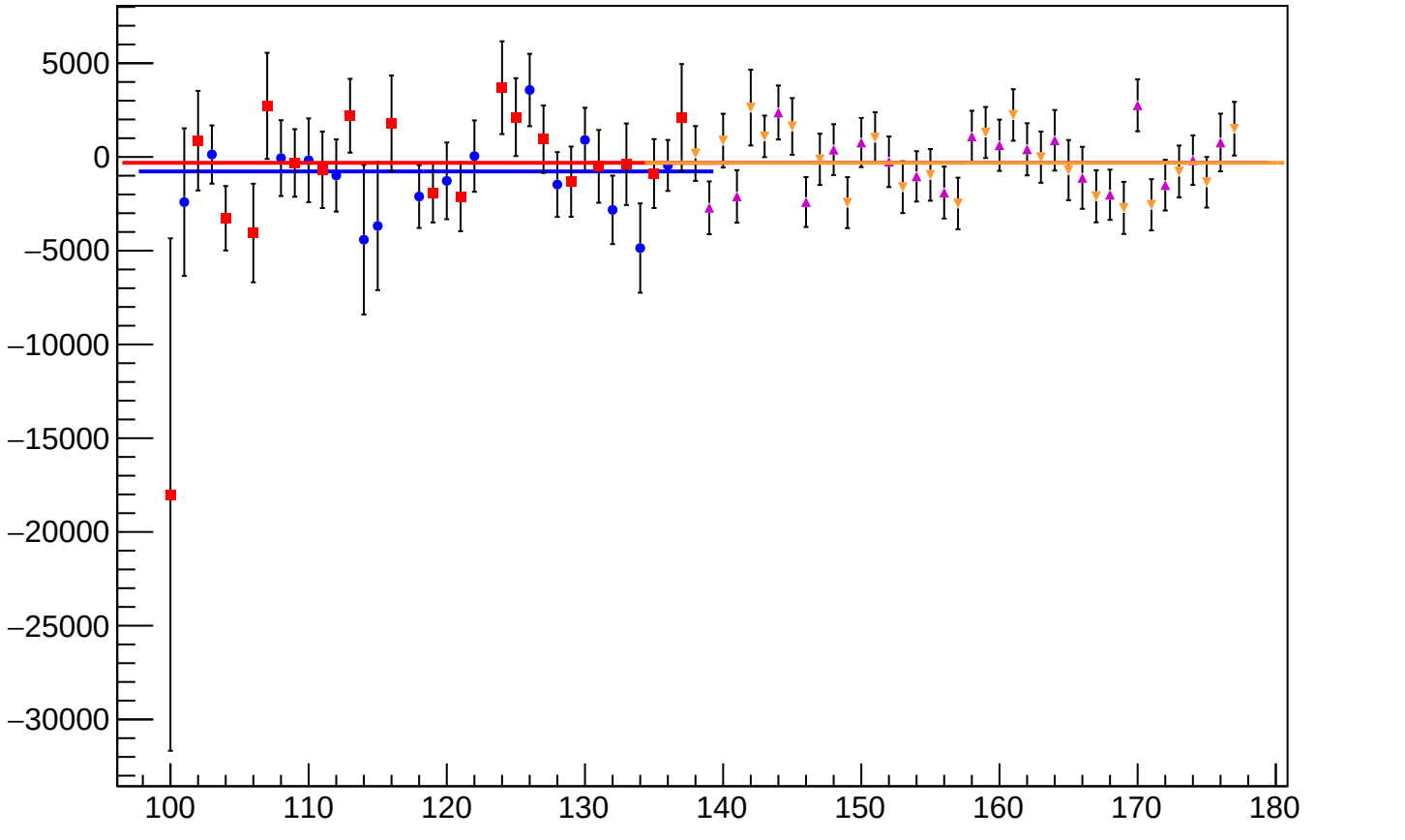
Left: 266.959+/-0.037 χ^2/NDF: 10225063.0/39

Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 302.241+/-0.050 χ^2/NDF:8579445.4/34

Out: 270.970+/-0.045 χ^2/NDF:11885175.0/39

All: 285.085+/-0.034 χ^2/NDF: 20679659.1/74



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: -313.386+/-304.686 χ^2/NDF:27.8/20

Right Out: -311.419+/-482.642 χ^2/NDF: 17.9/18

Left In: -299.204+/-320.057 χ^2/NDF:23.4/18

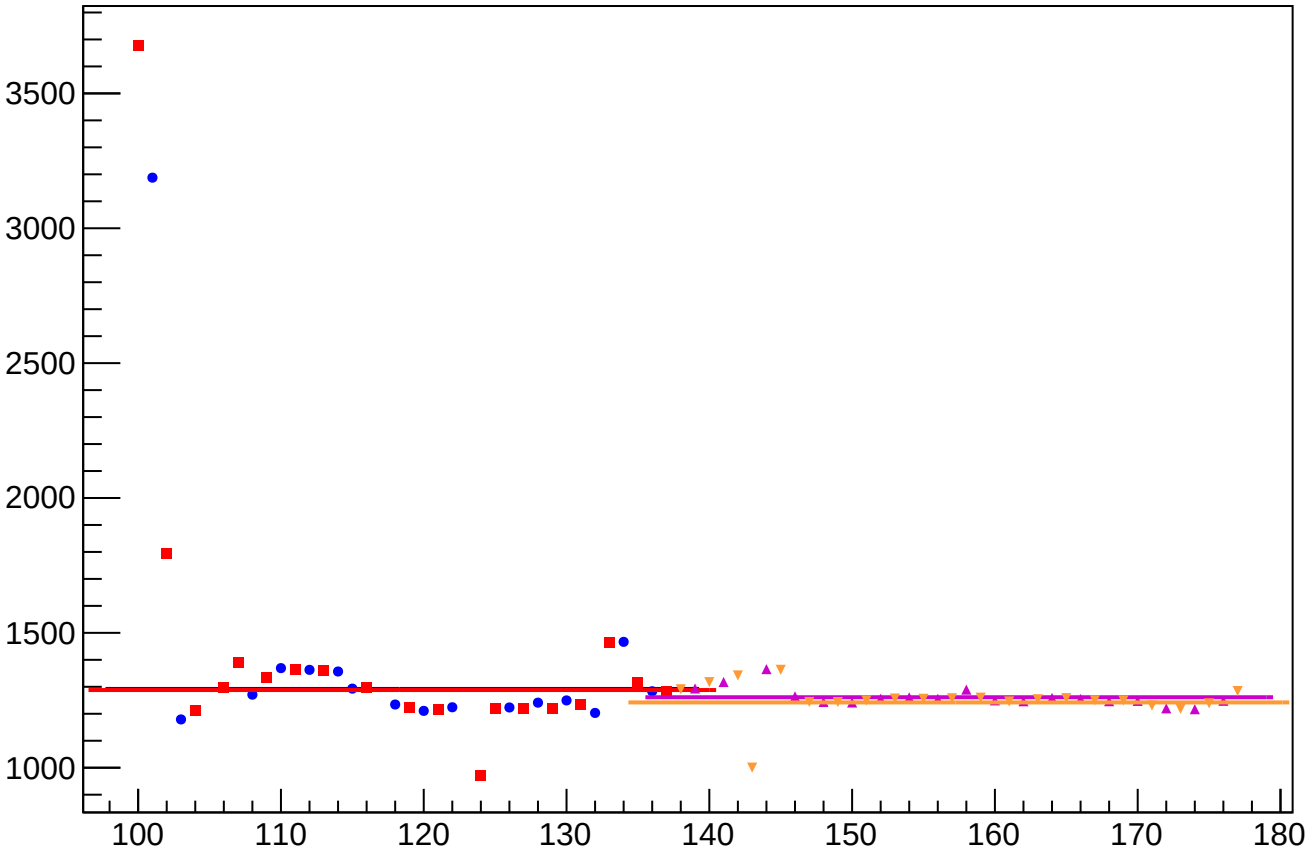
Left: -306.644+/-220.679 χ^2/NDF: 51.3/39

Right: -538.167+/-343.714 χ^2/NDF: 32.0/34

In: -440.607+/-267.895 χ^2/NDF:37.7/34

Out: -312.826+/-257.642 χ^2/NDF:45.8/39

All: -374.224+/-185.699 χ^2/NDF: 83.6/74



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1242.063+/-0.215 χ^2/NDF:124763.1/20

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1261.294+/-0.226 χ^2/NDF:21598.0/18

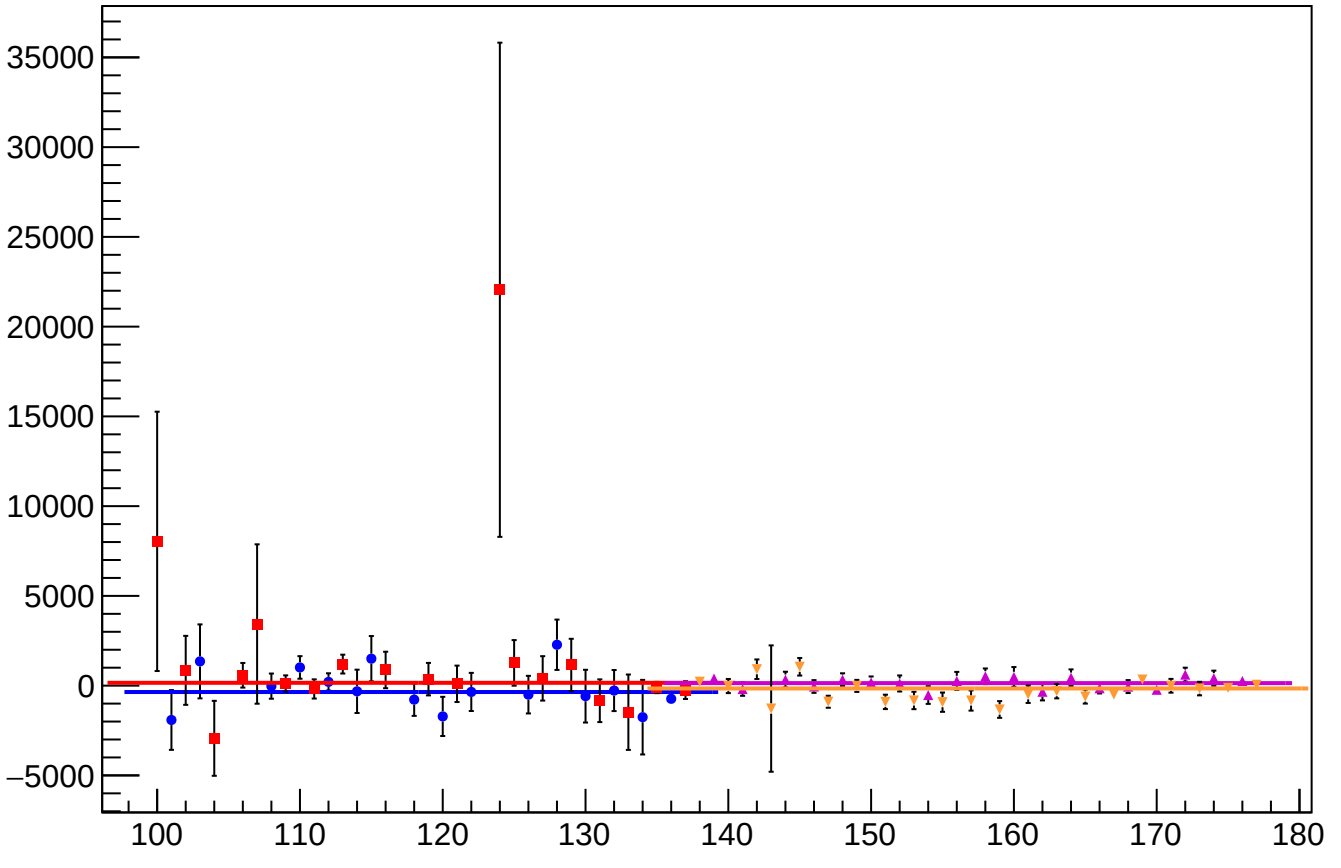
Left: 1251.206+/-0.156 χ^2/NDF: 150149.2/39

Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1270.499+/-0.189 χ^2/NDF:536529.2/34

Out: 1255.150+/-0.182 χ^2/NDF:346920.7/39

All: 1262.525+/-0.131 χ^2/NDF: 886860.6/74



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -157.448+/-69.194 χ^2/NDF:41.5/20

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 140.611+/-77.662 χ^2/NDF:13.0/18

Left: -25.548+/-51.663 χ^2/NDF: 62.7/39

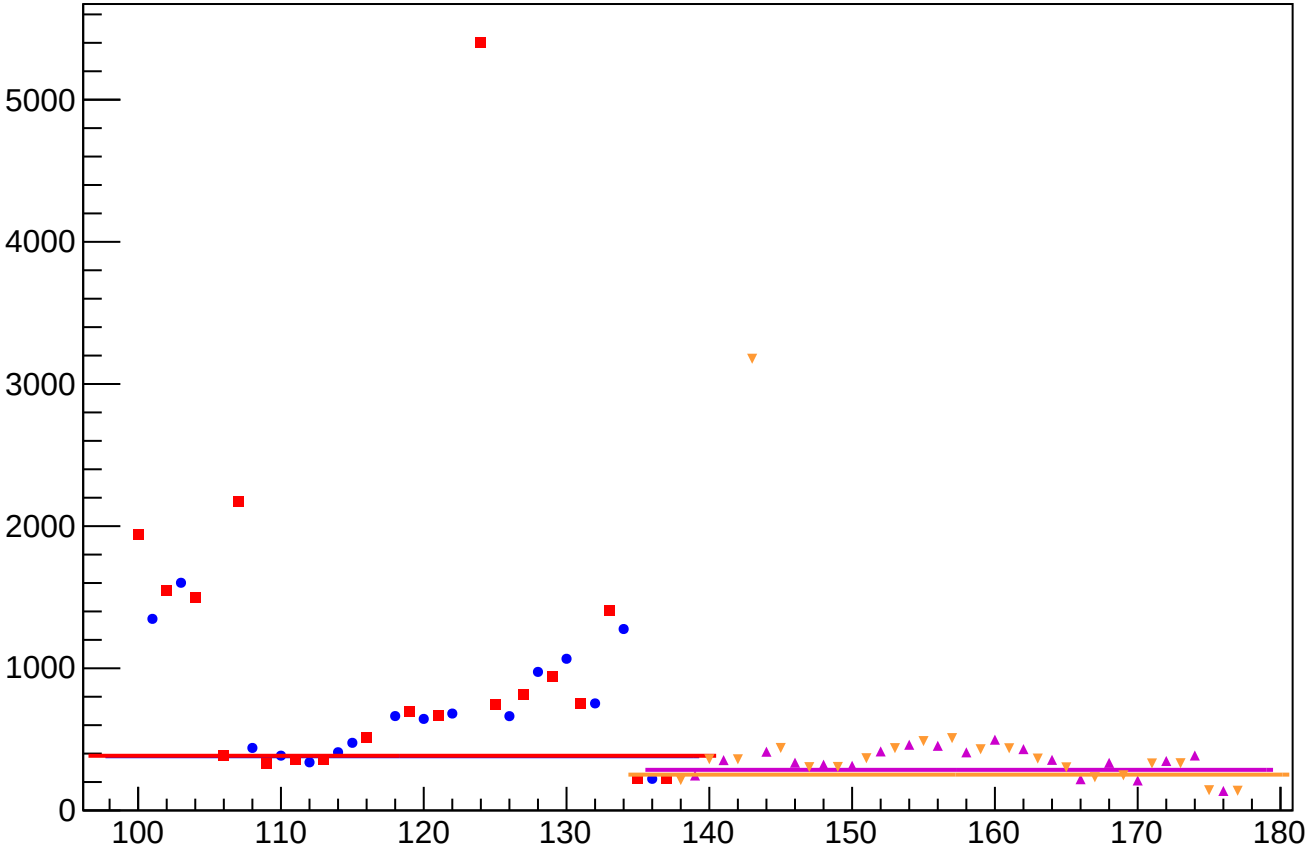
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: 54.976+/-70.638 χ^2/NDF:38.5/34

Out: -112.475+/-64.071 χ^2/NDF:60.3/39

All: -36.893+/-47.457 χ^2/NDF: 101.9/74

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 252.065+/-0.049 χ^2/NDF:6277656.5/20

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 285.727+/-0.055 χ^2/NDF:3737780.6/18

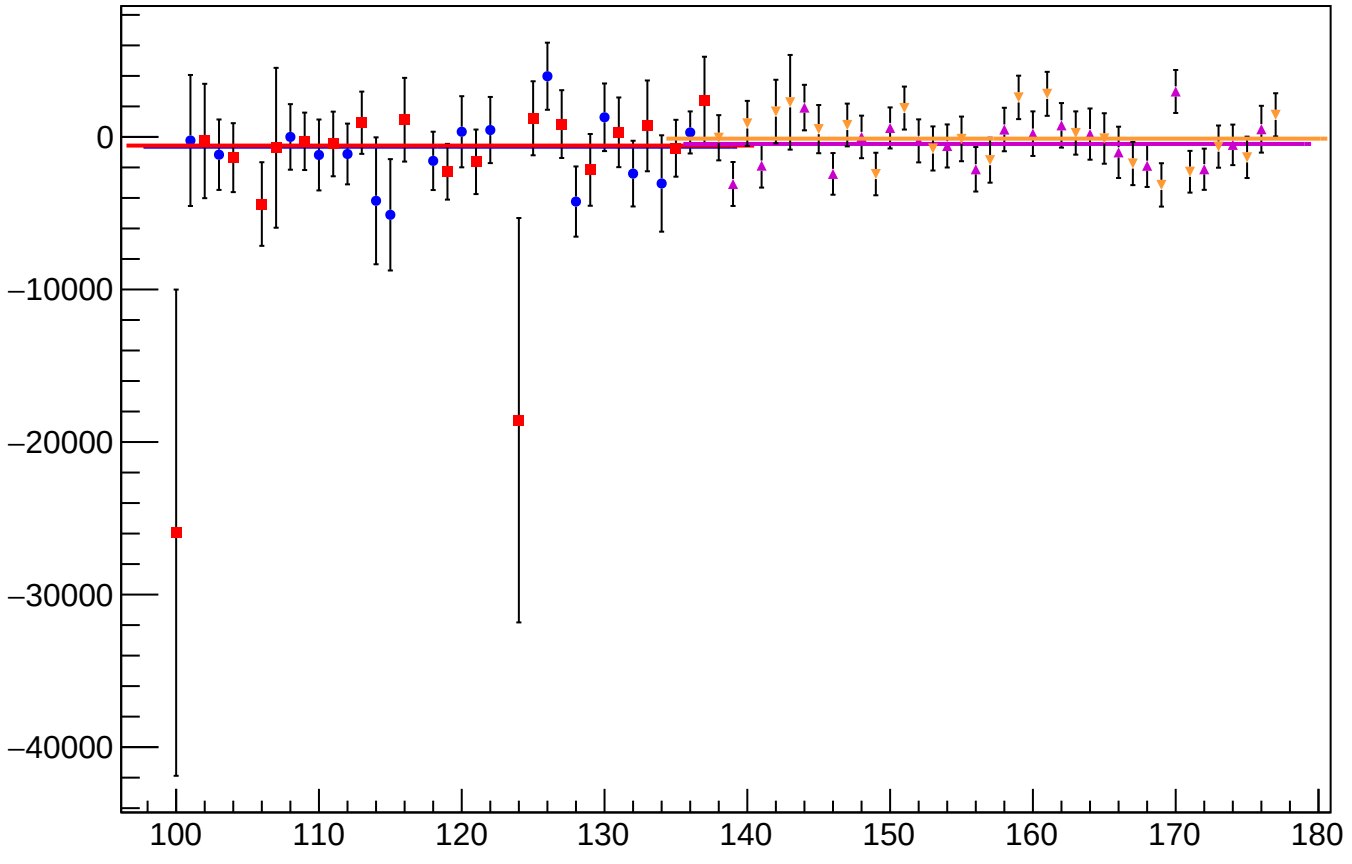
Left: 266.961+/-0.037 χ^2/NDF: 10224905.8/39

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 302.243+/-0.050 χ^2/NDF:8579285.0/34

Out: 270.973+/-0.045 χ^2/NDF:11885013.6/39

All: 285.087+/-0.034 χ^2/NDF: 20679334.2/74



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: -112.140+/-324.263 χ^2/NDF:26.6/20

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: -460.577+/-329.908 χ^2/NDF:21.5/18

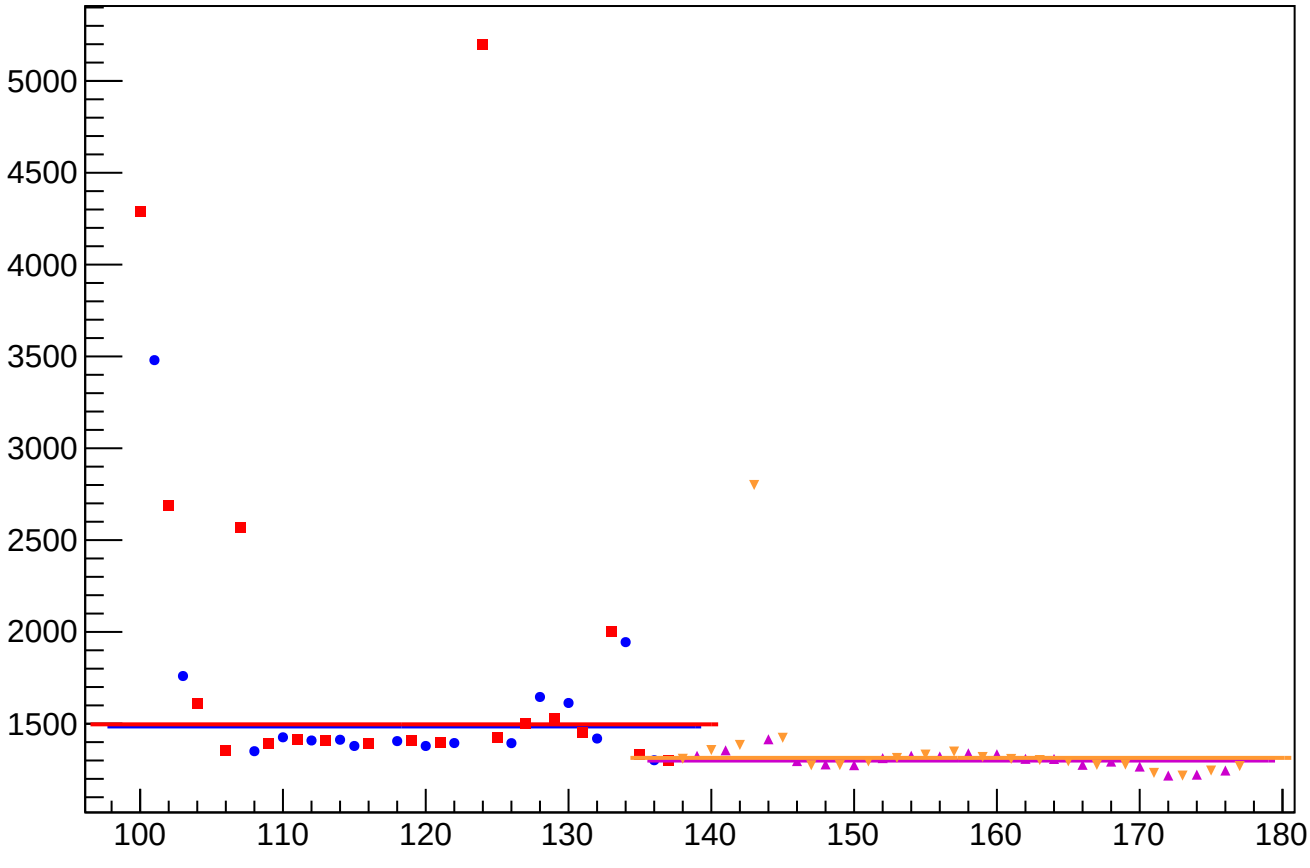
Left: -283.352+/-231.259 χ^2/NDF: 48.7/39

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -506.483+/-284.815 χ^2/NDF:34.0/34

Out: -224.373+/-281.455 χ^2/NDF:38.4/39

All: -363.754+/-200.196 χ^2/NDF: 73.0/74



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1314.244+/-0.229 χ^2/NDF:504421.4/20

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1299.726+/-0.233 χ^2/NDF:38947.4/18

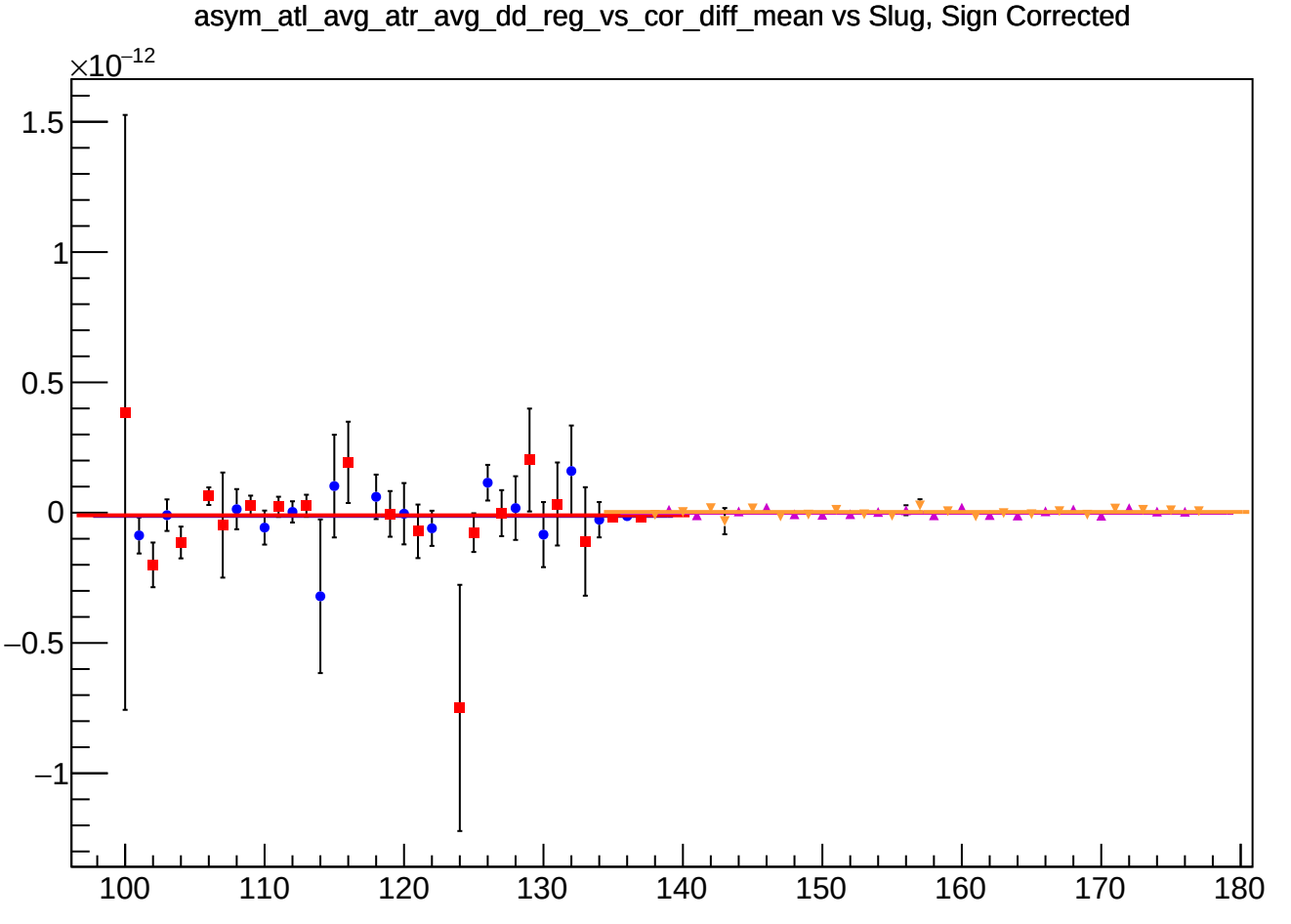
Left: 1307.110+/-0.164 χ^2/NDF: 545338.8/39

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1347.007+/-0.201 χ^2/NDF:784708.9/34

Out: 1359.279+/-0.199 χ^2/NDF:1284150.8/39

All: 1353.216+/-0.142 χ^2/NDF: 2070738.4/74



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.0/20

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:21.9/18

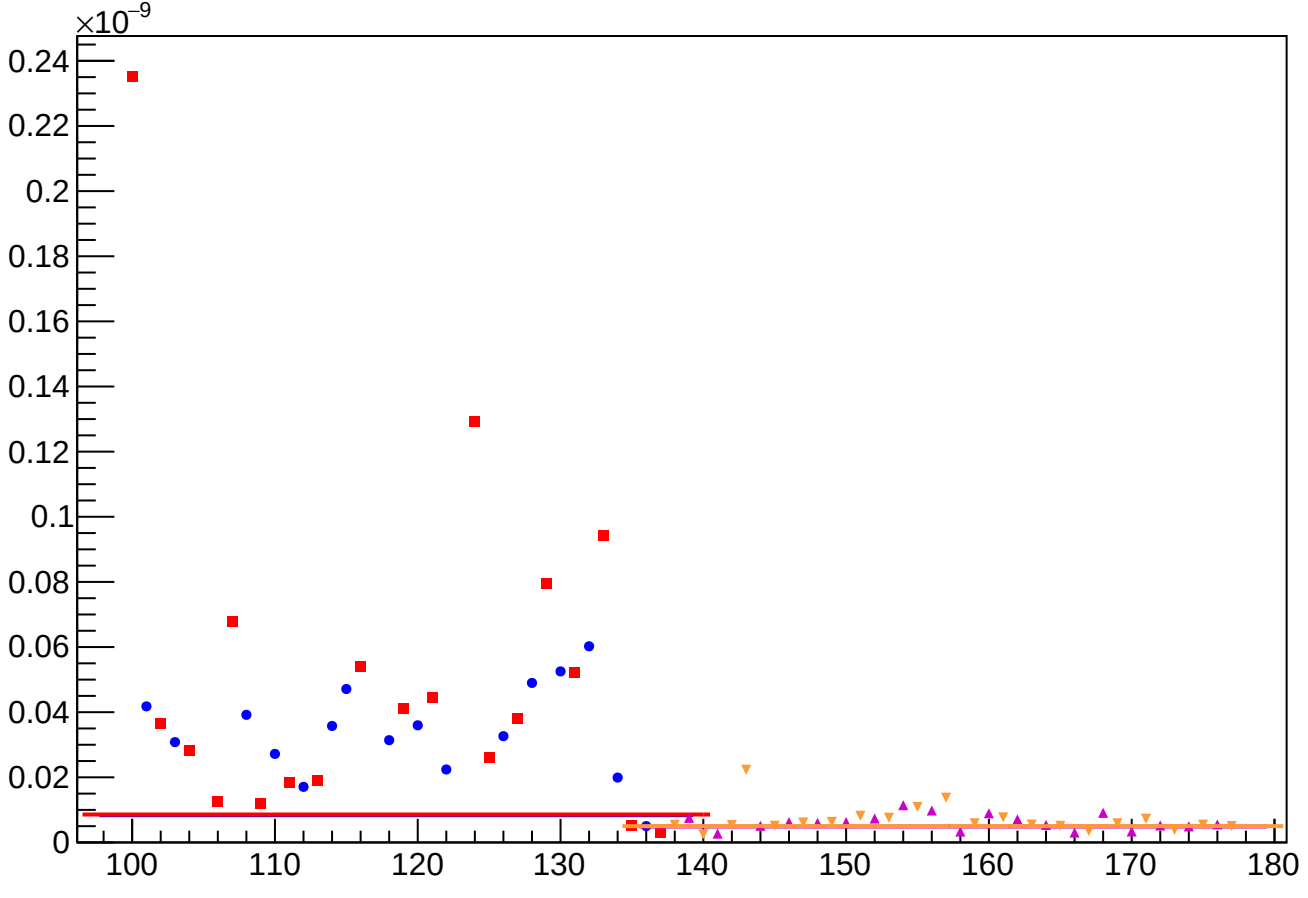
Left: 0.000+/-0.000 χ^2/NDF: 42.1/39

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:33.6/34

Out: 0.000+/-0.000 χ^2/NDF:43.7/39

All: 0.000+/-0.000 χ^2/NDF: 78.7/74



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1887485.0/20

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1697202.6/18

Left: 0.000+/-0.000 χ^2/NDF: 3587789.7/39

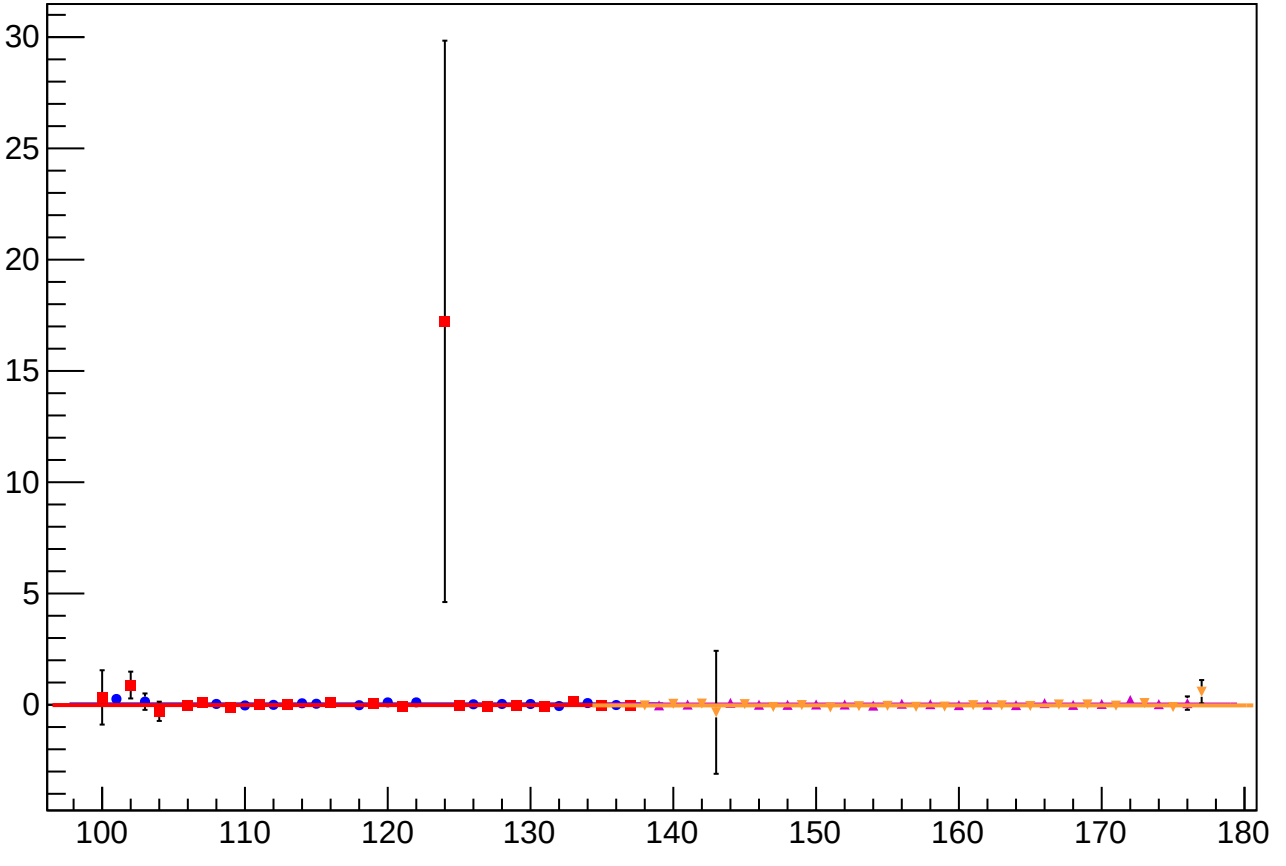
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:5163408.3/34

Out: 0.000+/-0.000 χ^2/NDF:5607238.1/39

All: 0.000+/-0.000 χ^2/NDF: 10771901.7/74

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:25.2/20

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:10.7/18

Left: -0.008+/-0.007 χ^2/NDF: 44.1/39

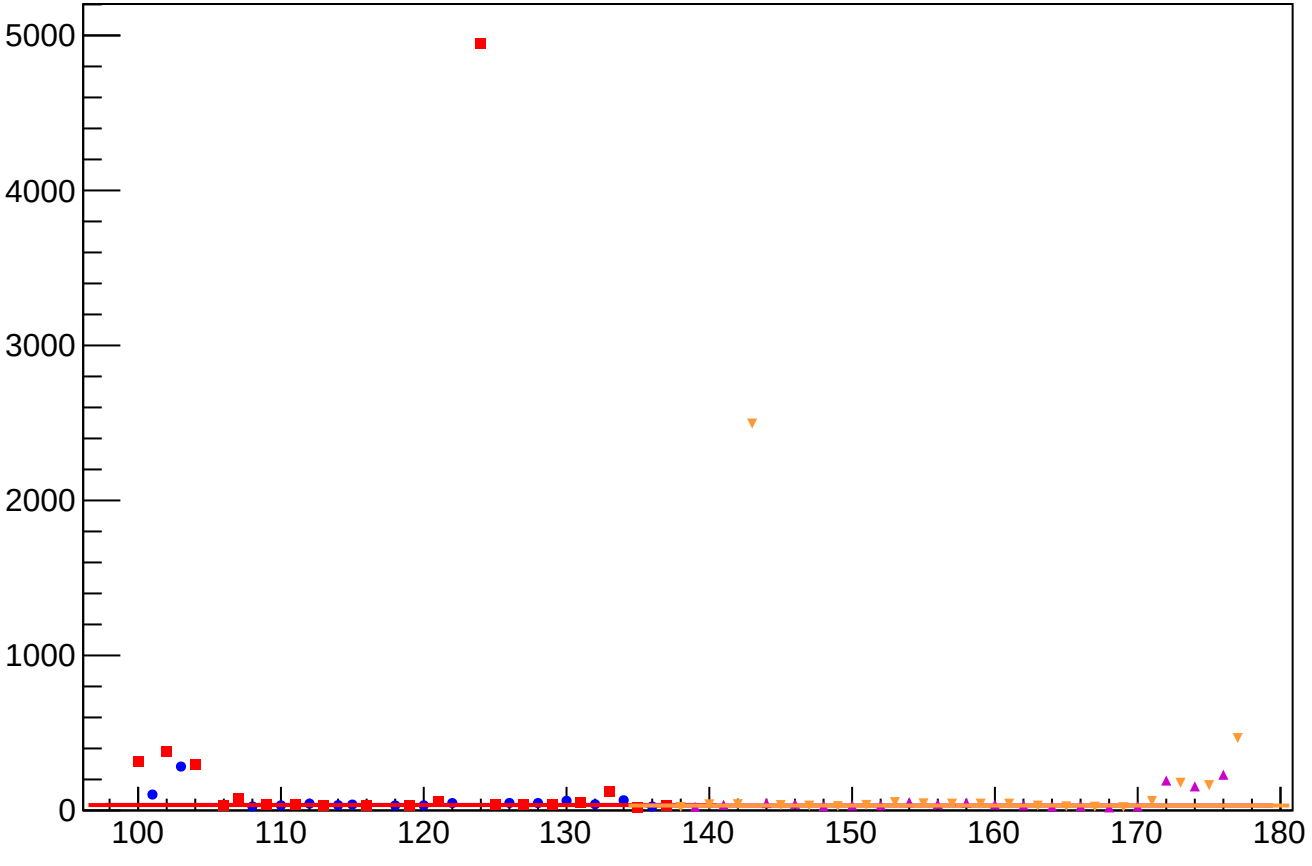
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.3/34

Out: -0.024+/-0.008 χ^2/NDF:41.8/39

All: -0.005+/-0.006 χ^2/NDF: 74.1/74

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: 31.819+/-0.007 χ^2/NDF:6685097.5/20

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.029+/-0.007 χ^2/NDF:4629230.8/18

Left: 31.924+/-0.005 χ^2/NDF: 11314816.8/39

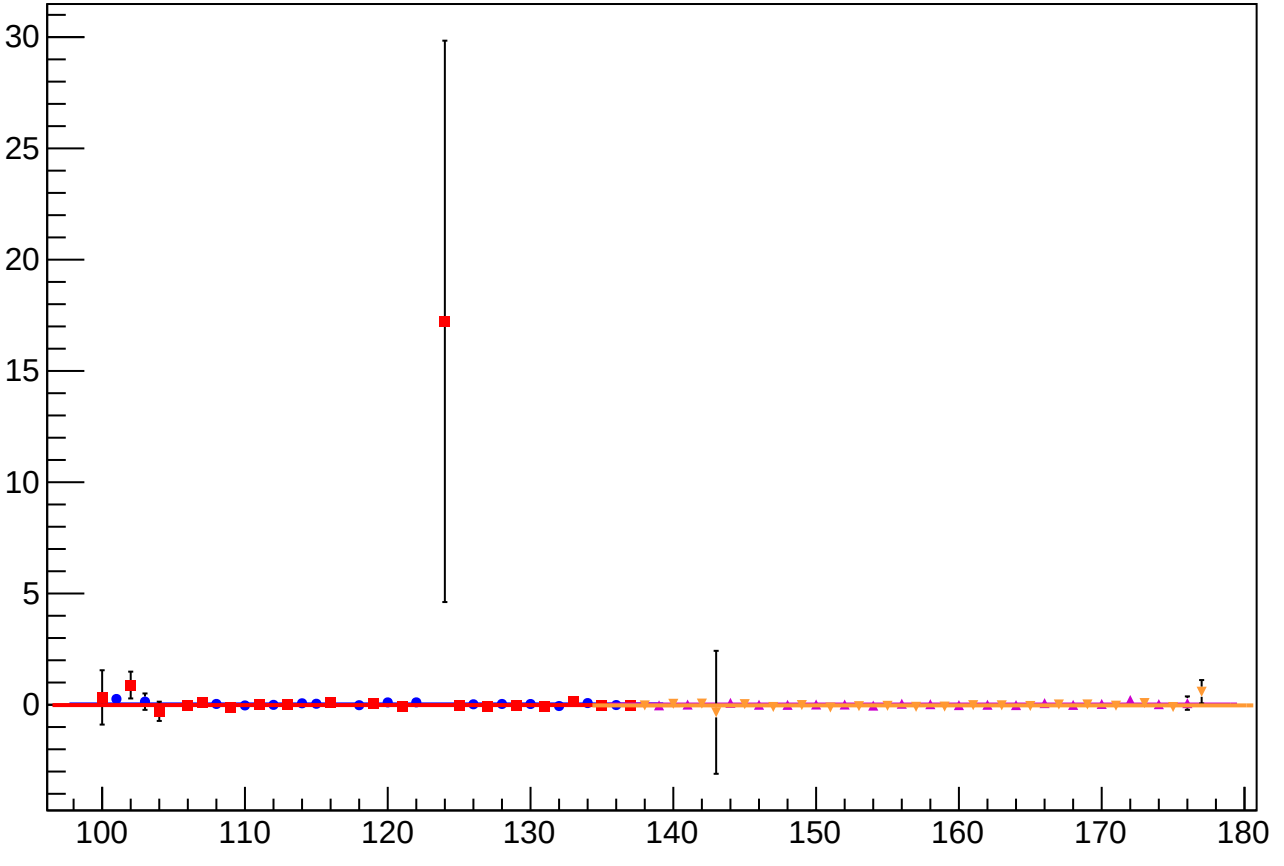
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 33.050+/-0.006 χ^2/NDF:6977777.7/34

Out: 32.627+/-0.006 χ^2/NDF:9652201.3/39

All: 32.839+/-0.004 χ^2/NDF: 16632700.9/74

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:25.2/20

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:10.7/18

Left: -0.008+/-0.007 χ^2/NDF: 44.1/39

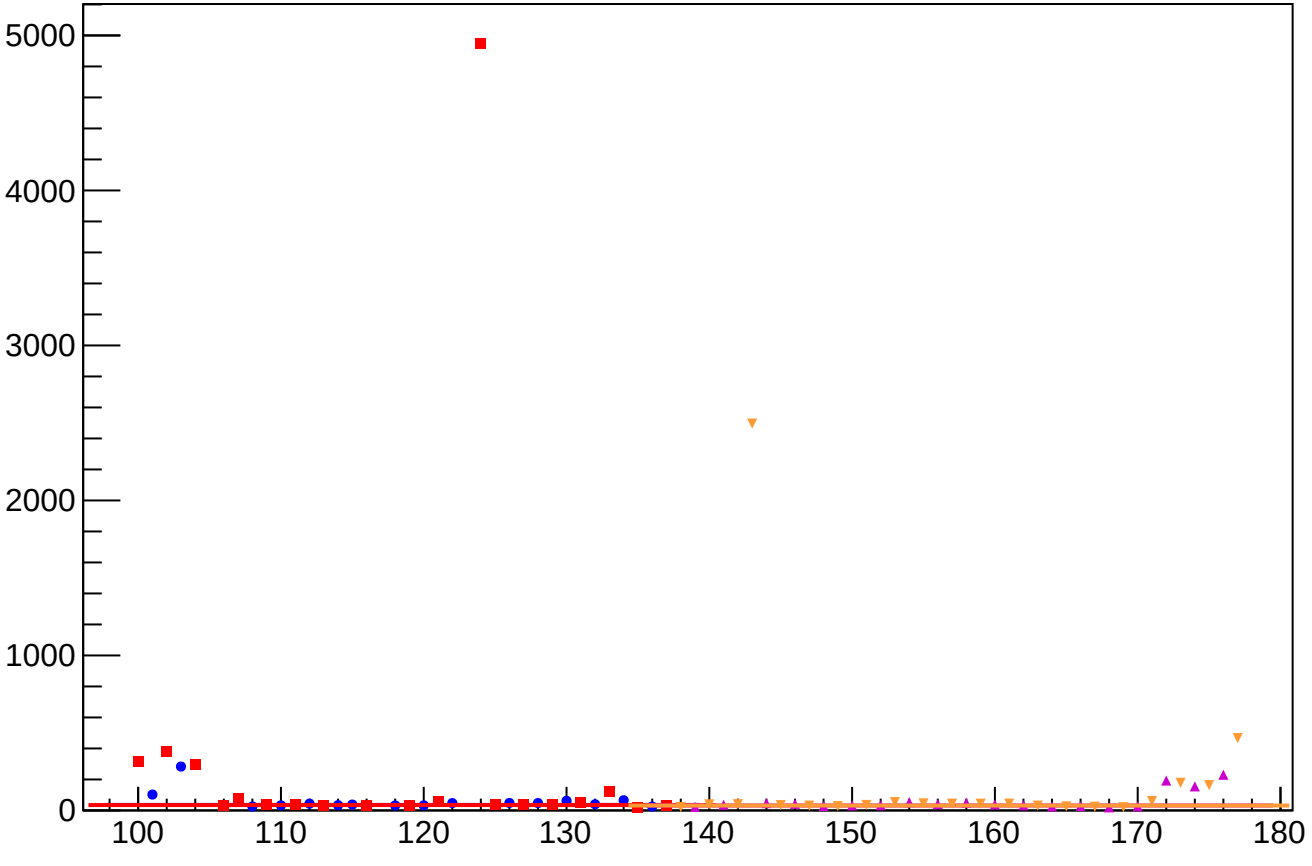
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.3/34

Out: -0.024+/-0.008 χ^2/NDF:41.8/39

All: -0.005+/-0.006 χ^2/NDF: 74.1/74

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: 31.819+/-0.007 χ^2/NDF:6685097.5/20

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.029+/-0.007 χ^2/NDF:4629230.8/18

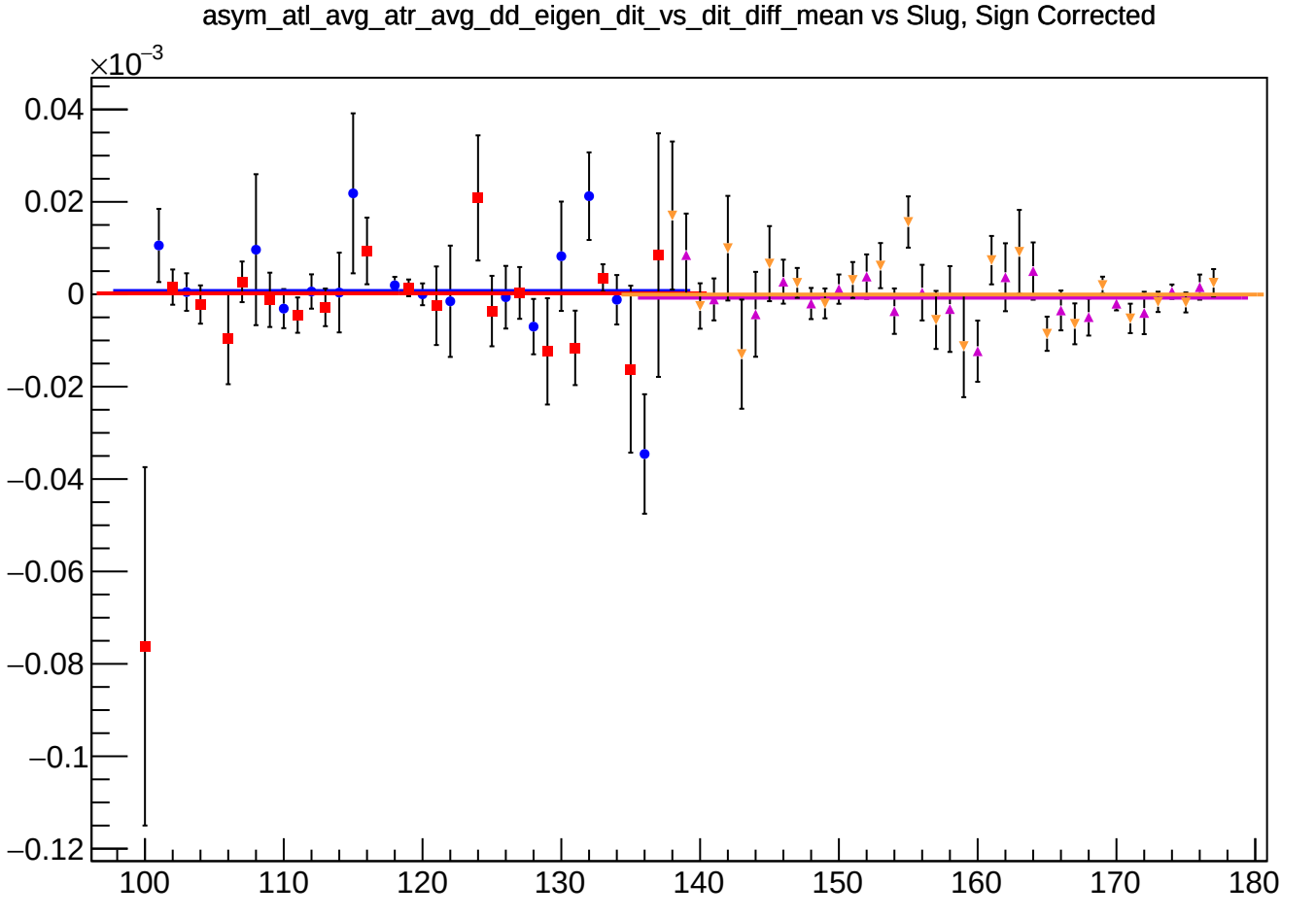
Left: 31.924+/-0.005 χ^2/NDF: 11314816.8/39

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 33.050+/-0.006 χ^2/NDF:6977777.7/34

Out: 32.627+/-0.006 χ^2/NDF:9652201.3/39

All: 32.839+/-0.004 χ^2/NDF: 16632700.9/74



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:12.1/18

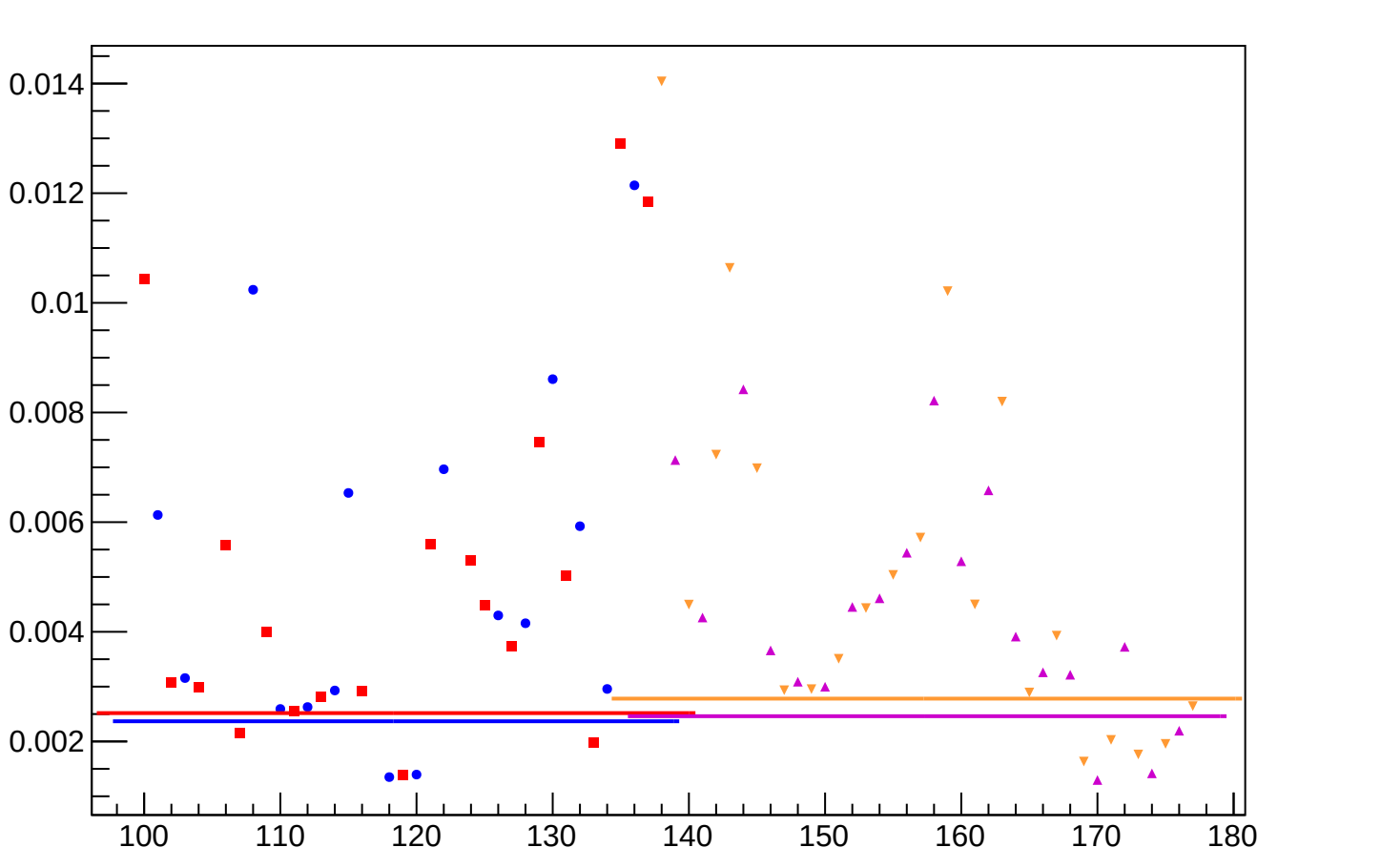
Left: -0.000+/-0.000 χ^2/NDF: 45.8/39

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:32.4/34

Out: 0.000+/-0.000 χ^2/NDF:51.4/39

All: -0.000+/-0.000 χ^2/NDF: 83.9/74



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.003+/-0.000 χ^2/NDF:7632972.3/20

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.002+/-0.000 χ^2/NDF:7563029.6/18

Left: 0.003+/-0.000 χ^2/NDF: 15362092.9/39

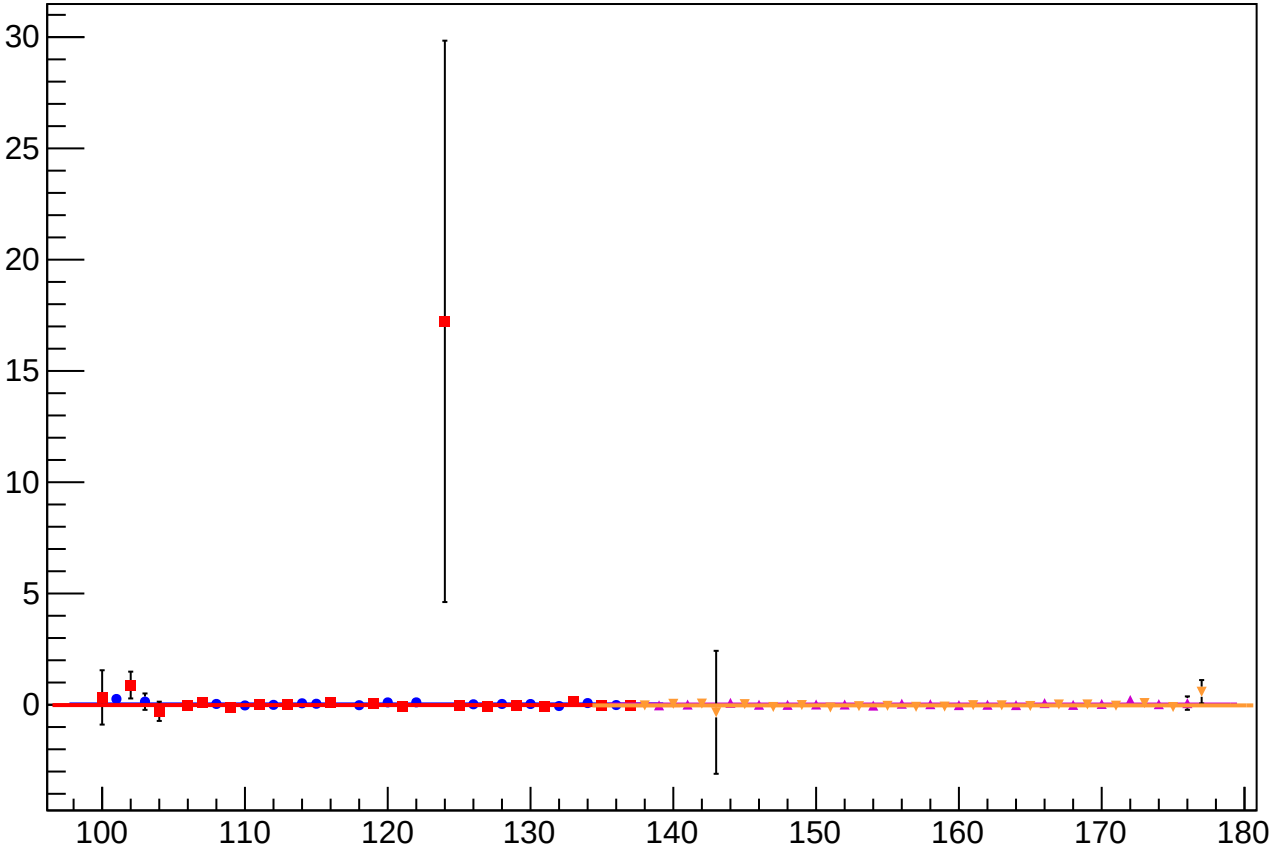
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.002+/-0.000 χ^2/NDF:12294052.4/34

Out: 0.003+/-0.000 χ^2/NDF:11108686.5/39

All: 0.003+/-0.000 χ^2/NDF: 23563014.6/74

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:25.2/20

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:10.7/18

Left: -0.008+/-0.007 χ^2/NDF: 44.1/39

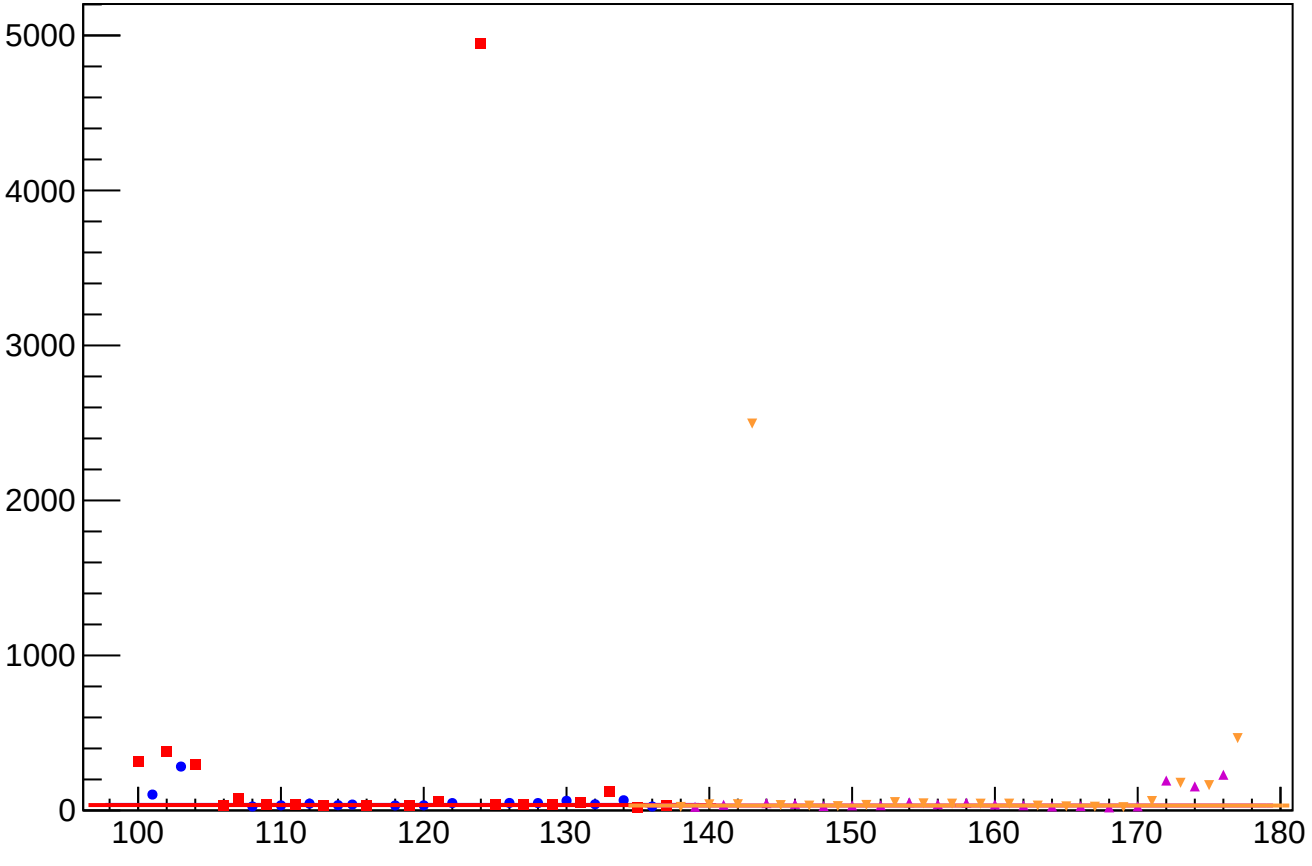
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.3/34

Out: -0.024+/-0.008 χ^2/NDF:41.8/39

All: -0.005+/-0.006 χ^2/NDF: 74.1/74

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: 31.819+/-0.007 χ^2/NDF:6685353.5/20

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.028+/-0.007 χ^2/NDF:4629822.5/18

Left: 31.924+/-0.005 χ^2/NDF: 11315659.5/39

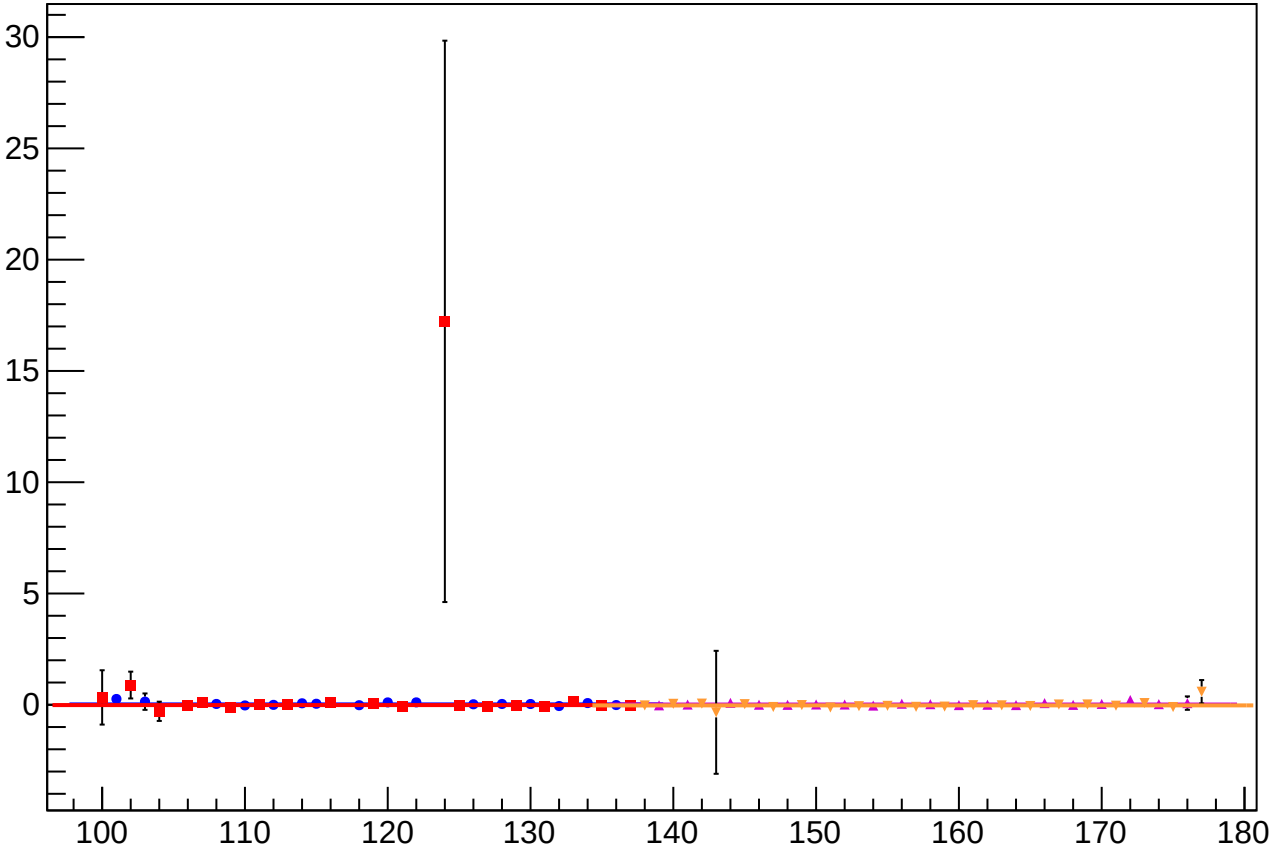
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 33.050+/-0.006 χ^2/NDF:6978217.2/34

Out: 32.627+/-0.006 χ^2/NDF:9652322.1/39

All: 32.839+/-0.004 χ^2/NDF: 16633252.6/74

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:25.2/20

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:10.7/18

Left: -0.008+/-0.007 χ^2/NDF: 44.1/39

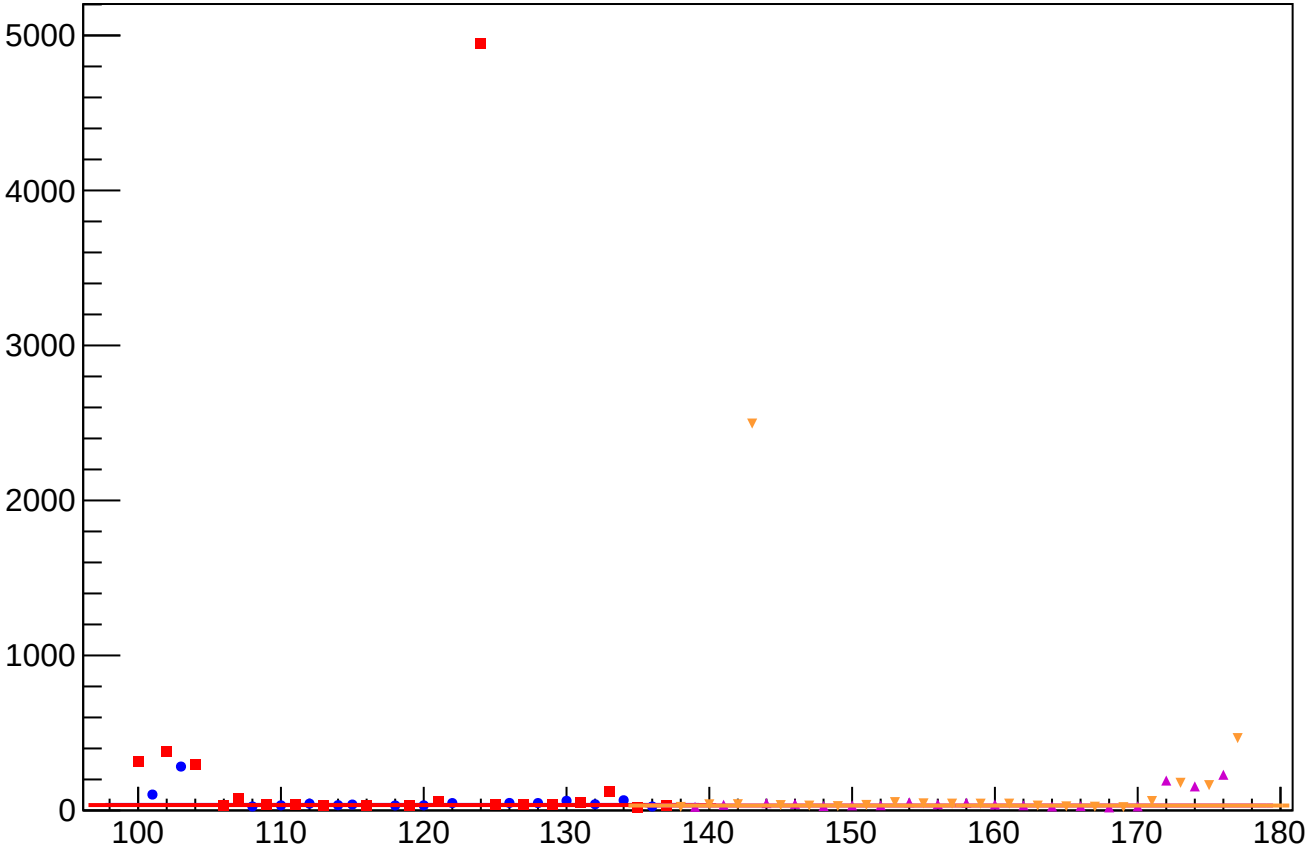
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.3/34

Out: -0.024+/-0.008 χ^2/NDF:41.8/39

All: -0.005+/-0.006 χ^2/NDF: 74.1/74

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: 31.819+/-0.007 χ^2/NDF:6685353.5/20

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.028+/-0.007 χ^2/NDF:4629822.5/18

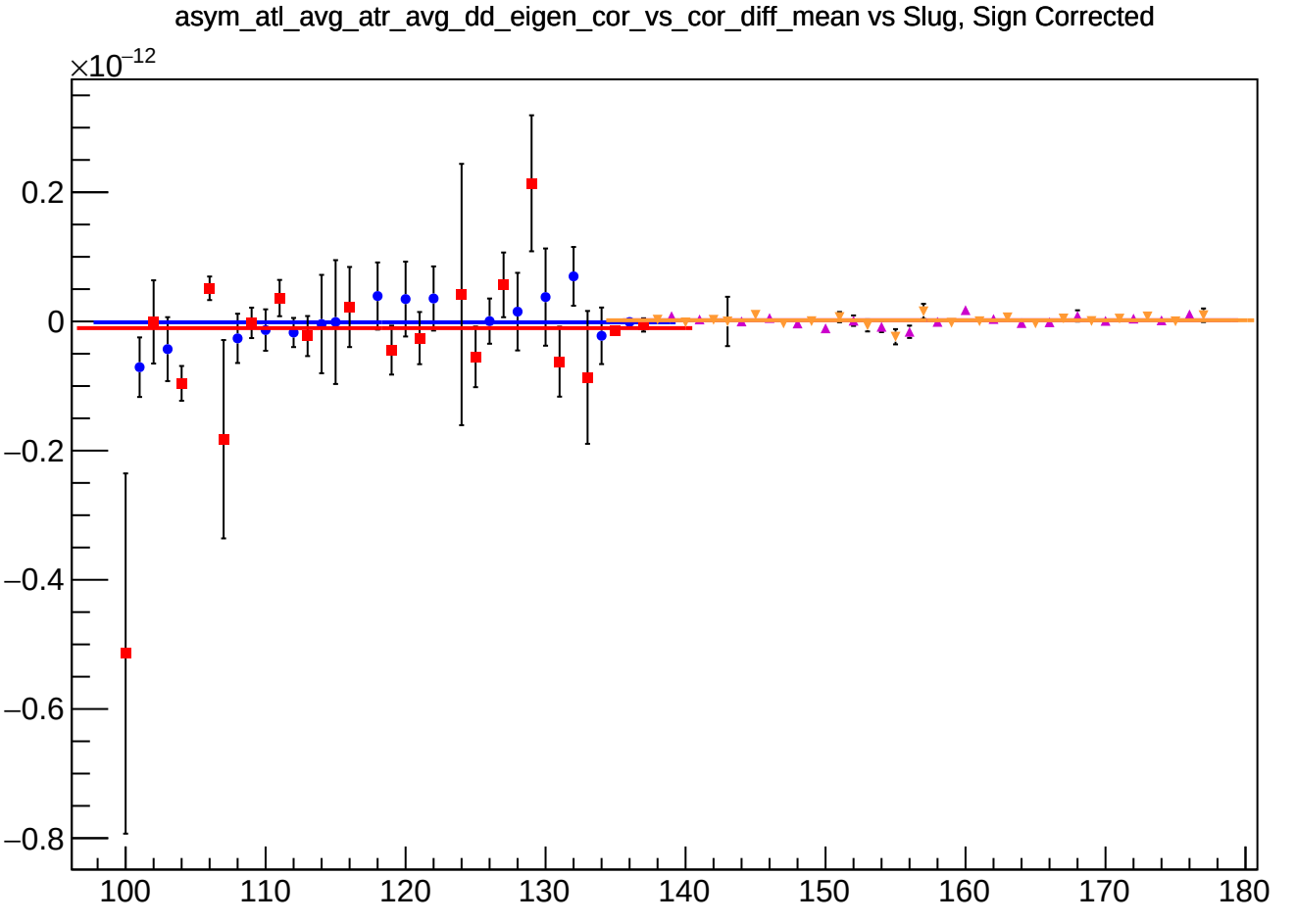
Left: 31.924+/-0.005 χ^2/NDF: 11315659.5/39

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 33.050+/-0.006 χ^2/NDF:6978217.2/34

Out: 32.627+/-0.006 χ^2/NDF:9652322.1/39

All: 32.839+/-0.004 χ^2/NDF: 16633252.6/74



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.5/20

Right Out: -0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: 0.000+/-0.000 χ^2/NDF:22.9/18

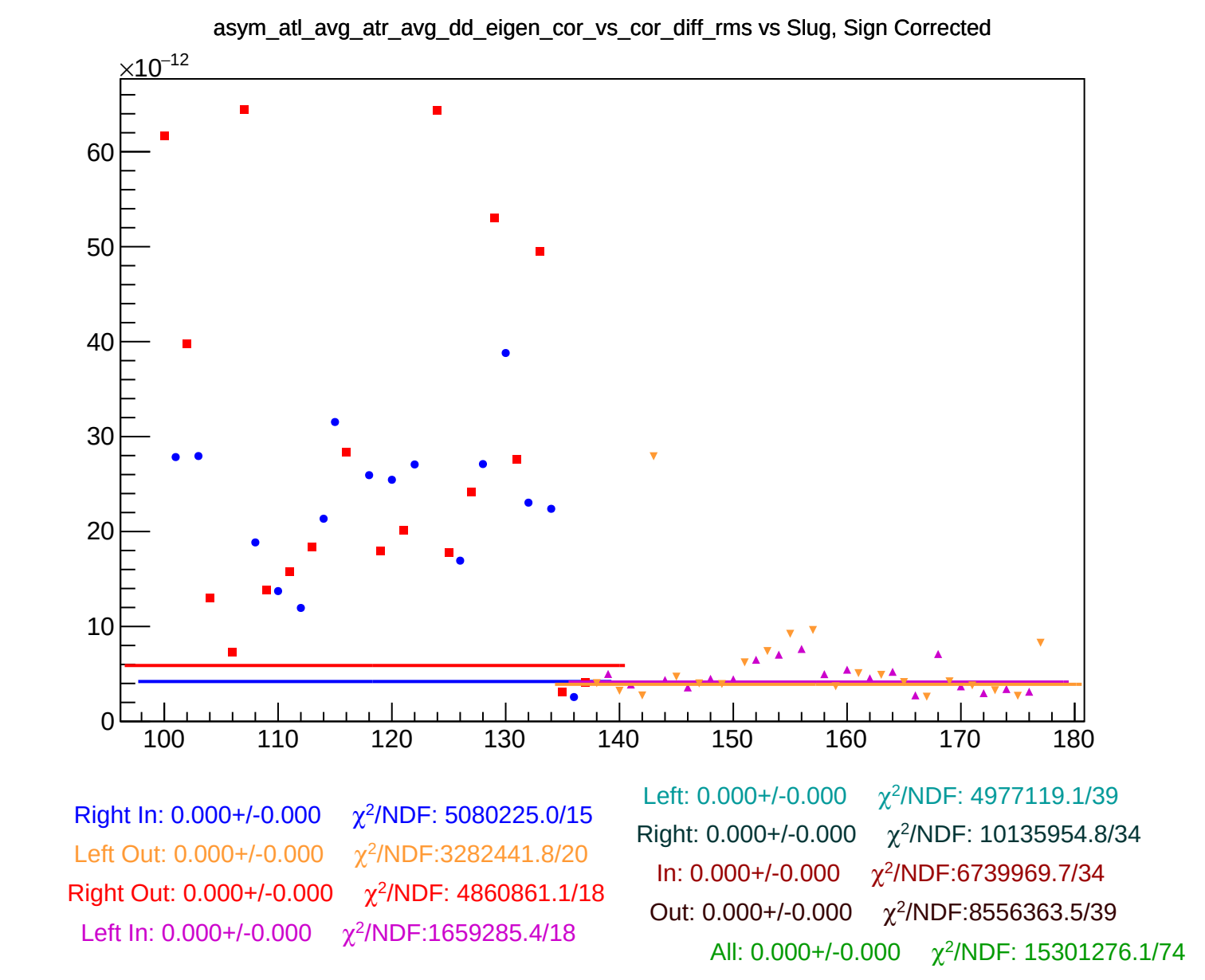
Left: 0.000+/-0.000 χ^2/NDF: 38.4/39

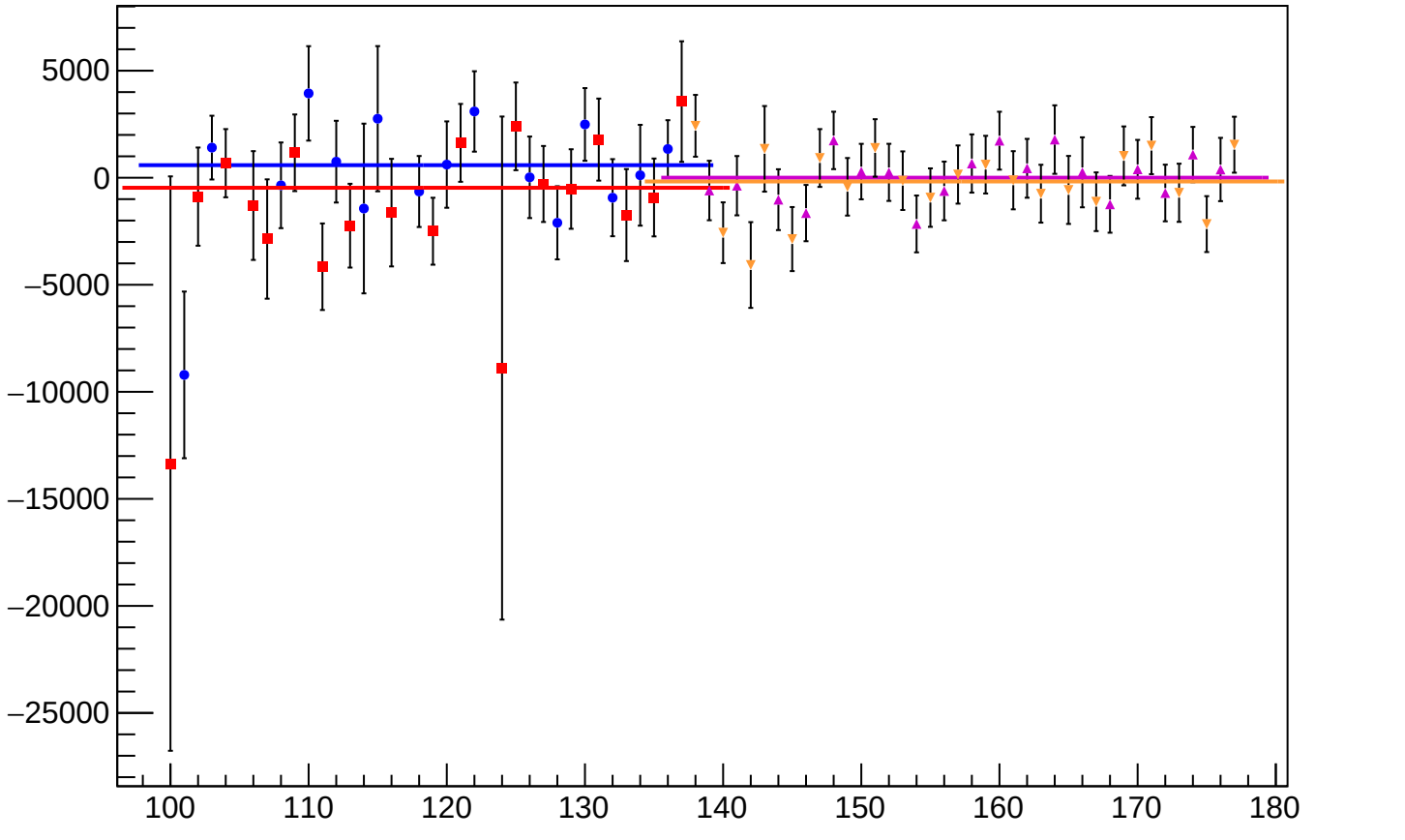
Right: -0.000+/-0.000 χ^2/NDF: 51.3/34

In: 0.000+/-0.000 χ^2/NDF:32.3/34

Out: 0.000+/-0.000 χ^2/NDF:63.1/39

All: 0.000+/-0.000 χ^2/NDF: 95.5/74


asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 5080225.0/15
Left Out: 0.000+/-0.000 χ²/NDF:3282441.8/20
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:1659285.4/18
Left: 0.000+/-0.000 χ²/NDF: 4977119.1/39
Right: 0.000+/-0.000 χ²/NDF: 10135954.8/34
In: 0.000+/-0.000 χ²/NDF:6739969.7/34
Out: 0.000+/-0.000 χ²/NDF:8556363.5/39
All: 0.000+/-0.000 χ²/NDF: 15301276.1/74



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -174.329+/-307.648 χ^2/NDF:23.7/20

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: 1.147+/-315.722 χ^2/NDF:12.2/18

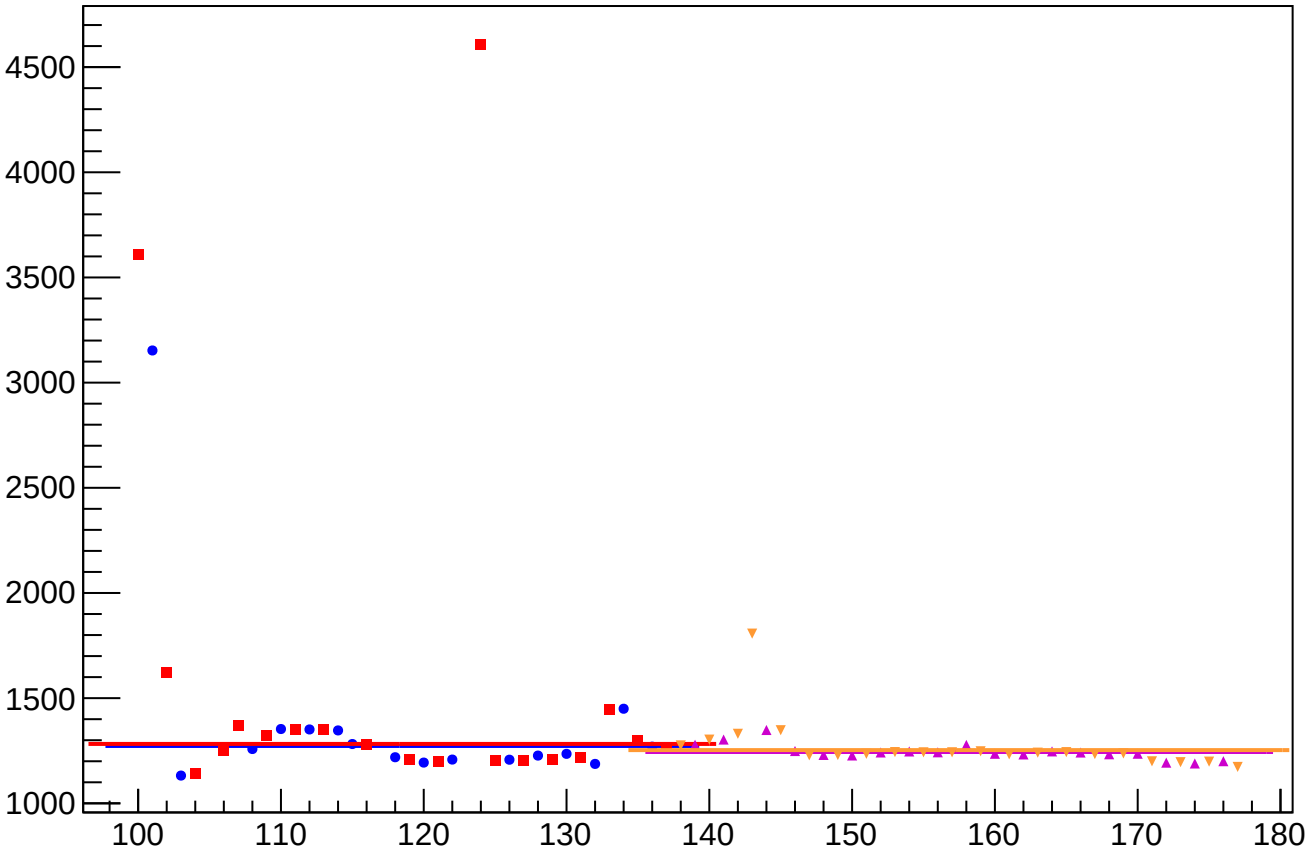
Left: -88.863+/-220.339 χ^2/NDF: 36.1/39

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 176.802+/-264.178 χ^2/NDF:30.3/34

Out: -260.004+/-259.094 χ^2/NDF:40.8/39

All: -45.845+/-184.979 χ^2/NDF: 72.6/74



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1252.983+/-0.218 χ^2/NDF:188394.0/20

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1244.136+/-0.223 χ^2/NDF:26202.8/18

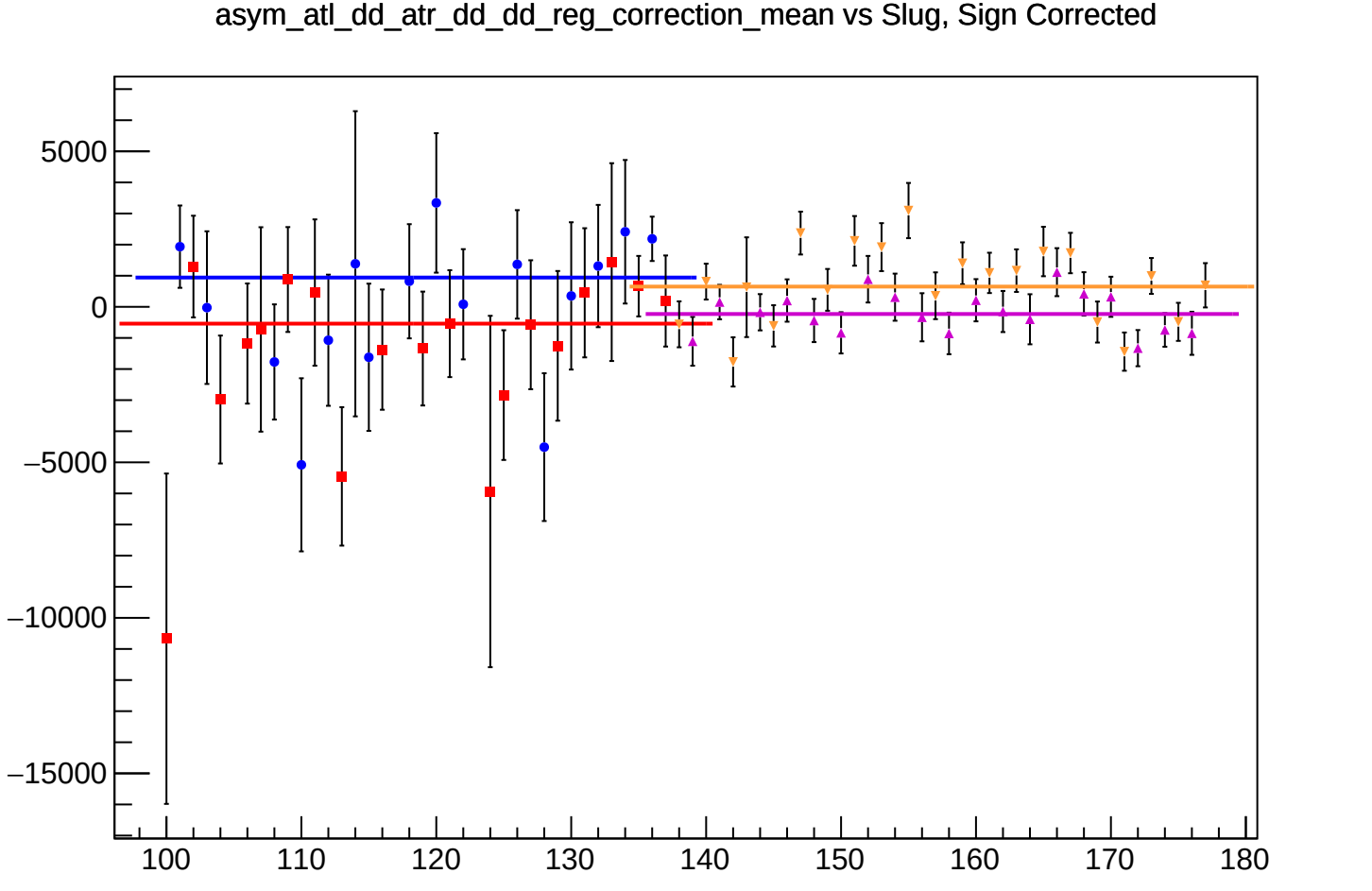
Left: 1248.674+/-0.156 χ^2/NDF: 215402.3/39

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1252.732+/-0.187 χ^2/NDF:550445.7/34

Out: 1261.525+/-0.183 χ^2/NDF:515776.4/39

All: 1257.214+/-0.131 χ^2/NDF: 1067351.5/74



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 650.567+/-152.554 χ^2/NDF:61.2/20

Right Out: -540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: -230.589+/-153.626 χ^2/NDF:17.1/18

Left: 213.075+/-108.249 χ^2/NDF: 94.9/39

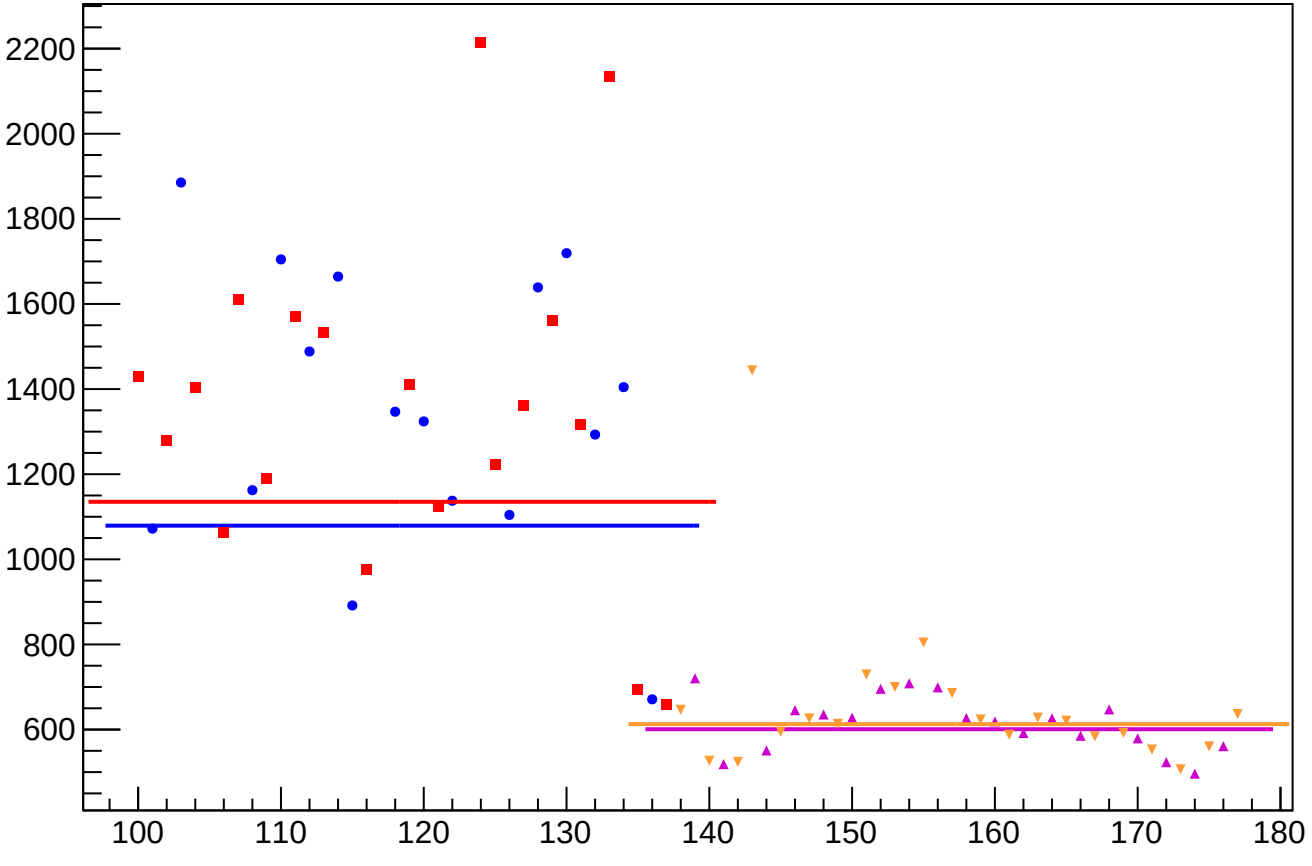
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: -95.580+/-144.510 χ^2/NDF:43.7/34

Out: 522.691+/-144.133 χ^2/NDF:84.9/39

All: 214.363+/-102.050 χ^2/NDF: 137.8/74

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: 612.699+/-0.108 χ^2/NDF:908075.3/20

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 600.799+/-0.109 χ^2/NDF:362403.7/18

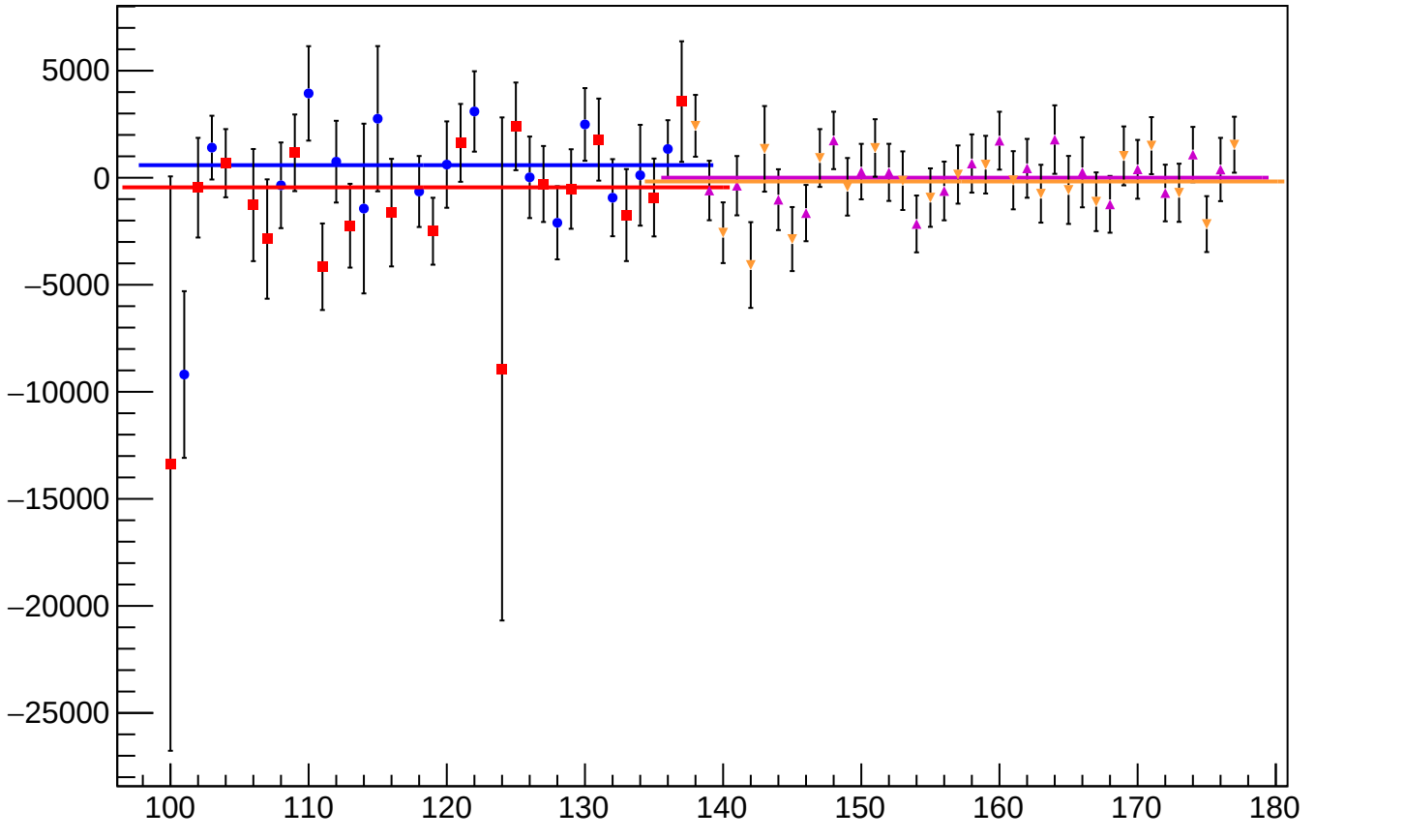
Left: 606.791+/-0.077 χ^2/NDF: 1276520.4/39

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 655.884+/-0.102 χ^2/NDF:4077412.1/34

Out: 668.786+/-0.102 χ^2/NDF:4719429.8/39

All: 662.351+/-0.072 χ^2/NDF: 8804834.1/74



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -174.375+/-307.648 χ^2/NDF:23.7/20

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: 1.108+/-315.722 χ^2/NDF:12.2/18

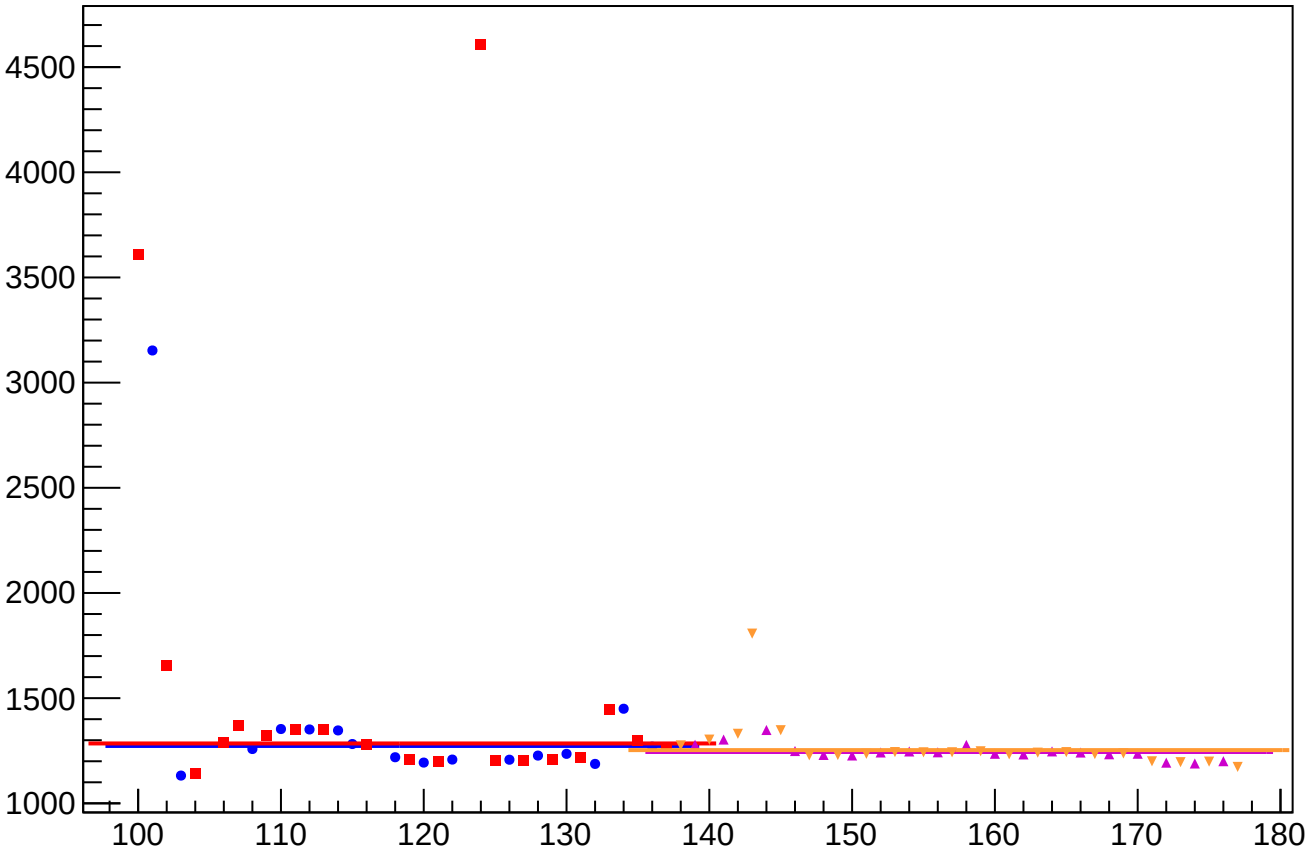
Left: -88.906+/-220.339 χ^2/NDF: 36.1/39

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 176.870+/-264.178 χ^2/NDF:30.3/34

Out: -253.856+/-259.222 χ^2/NDF:40.8/39

All: -42.571+/-185.025 χ^2/NDF: 72.4/74



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1252.983+/-0.218 χ^2/NDF:188394.0/20

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1244.136+/-0.223 χ^2/NDF:26202.8/18

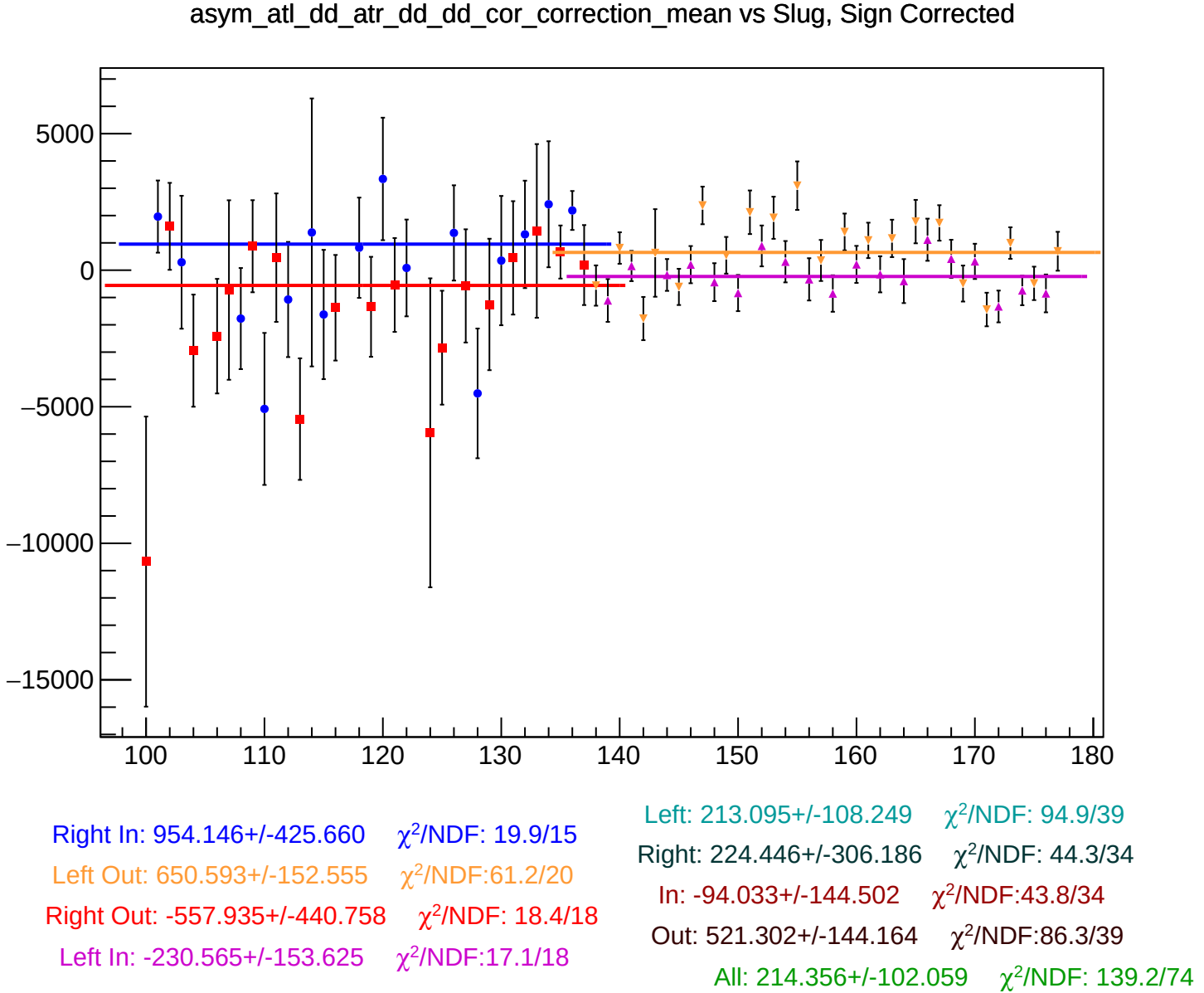
Left: 1248.674+/-0.156 χ^2/NDF: 215402.3/39

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

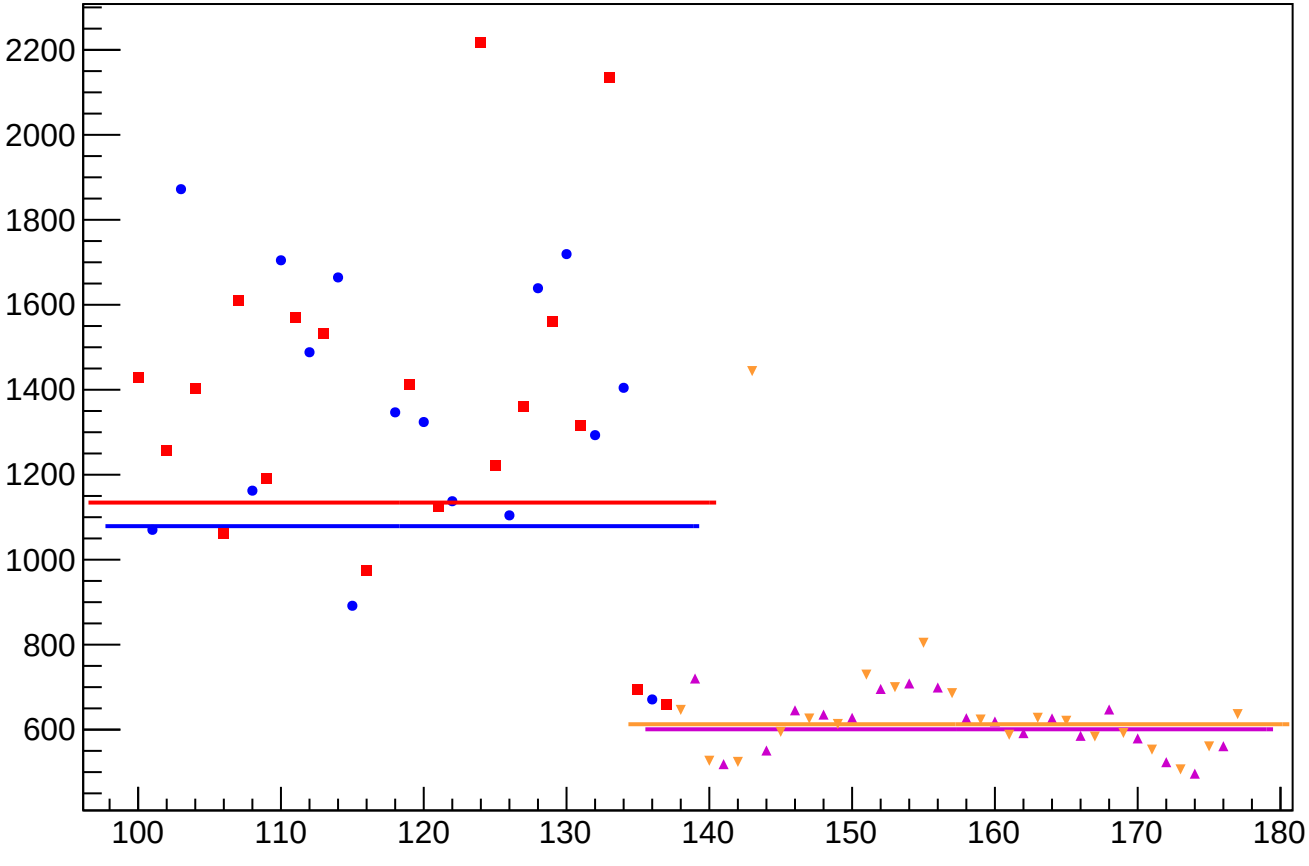
In: 1252.732+/-0.187 χ^2/NDF:550447.1/34

Out: 1262.169+/-0.183 χ^2/NDF:523276.6/39

All: 1257.540+/-0.131 χ^2/NDF: 1075023.7/74


asym_atl_dd_atr_dd_dd_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 954.146+/-425.660 χ²/NDF: 19.9/15
Left Out: 650.593+/-152.555 χ²/NDF:61.2/20
Right Out: -557.935+/-440.758 χ²/NDF: 18.4/18
Left In: -230.565+/-153.625 χ²/NDF:17.1/18
Left: 213.095+/-108.249 χ²/NDF: 94.9/39
Right: 224.446+/-306.186 χ²/NDF: 44.3/34
In: -94.033+/-144.502 χ²/NDF:43.8/34
Out: 521.302+/-144.164 χ²/NDF:86.3/39
All: 214.356+/-102.059 χ²/NDF: 139.2/74

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: 612.702+/-0.108 χ^2/NDF:908027.8/20

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 600.796+/-0.109 χ^2/NDF:362428.7/18

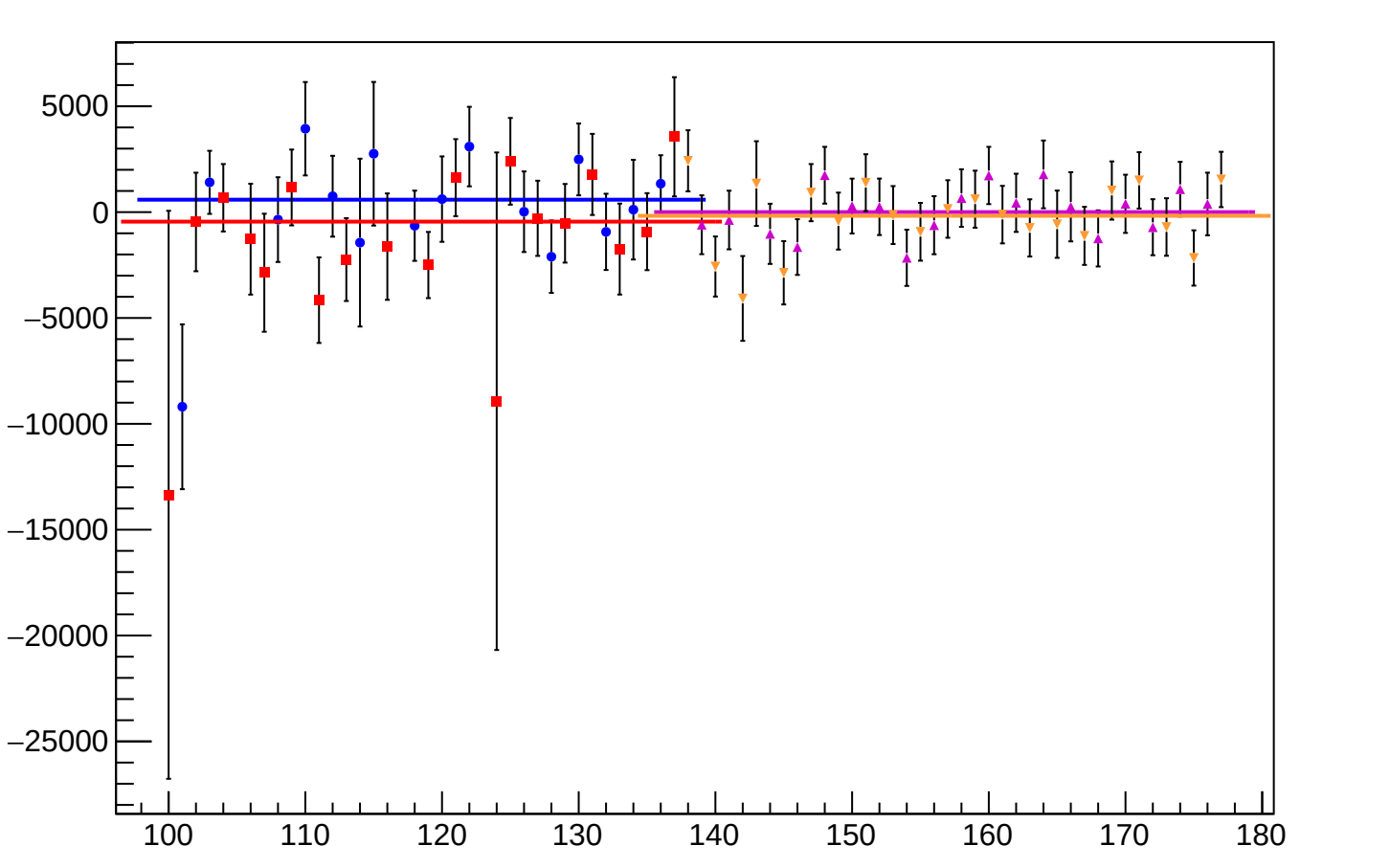
Left: 606.790+/-0.077 χ^2/NDF: 1276505.1/39

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 655.899+/-0.102 χ^2/NDF:4073844.4/34

Out: 668.517+/-0.102 χ^2/NDF:4699431.4/39

All: 662.223+/-0.072 χ^2/NDF: 8780919.3/74



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -174.375+/-307.648 χ^2/NDF:23.7/20

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: 1.108+/-315.722 χ^2/NDF:12.2/18

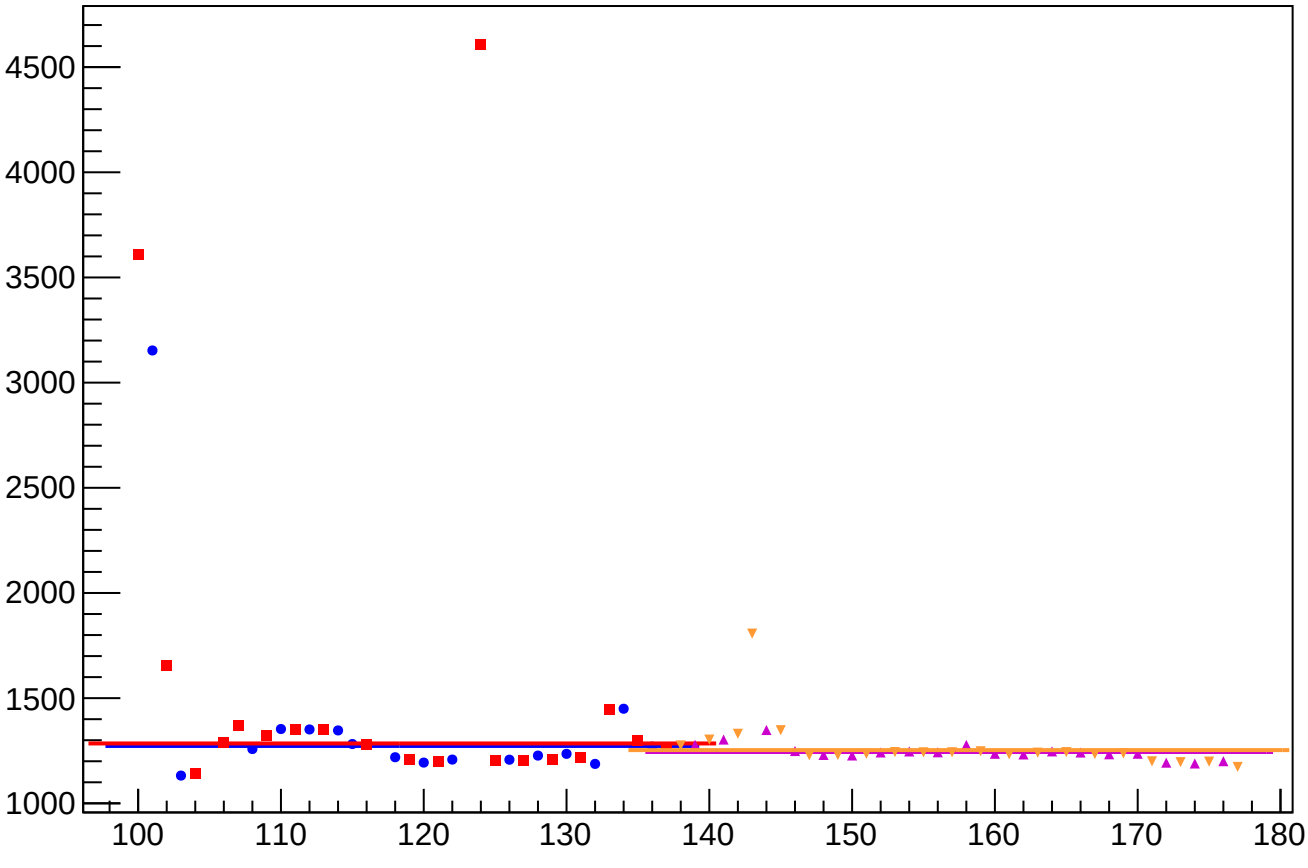
Left: -88.906+/-220.339 χ^2/NDF: 36.1/39

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 176.870+/-264.178 χ^2/NDF:30.3/34

Out: -253.856+/-259.222 χ^2/NDF:40.8/39

All: -42.571+/-185.025 χ^2/NDF: 72.4/74



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1252.983+/-0.218 χ^2/NDF:188394.0/20

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1244.136+/-0.223 χ^2/NDF:26202.8/18

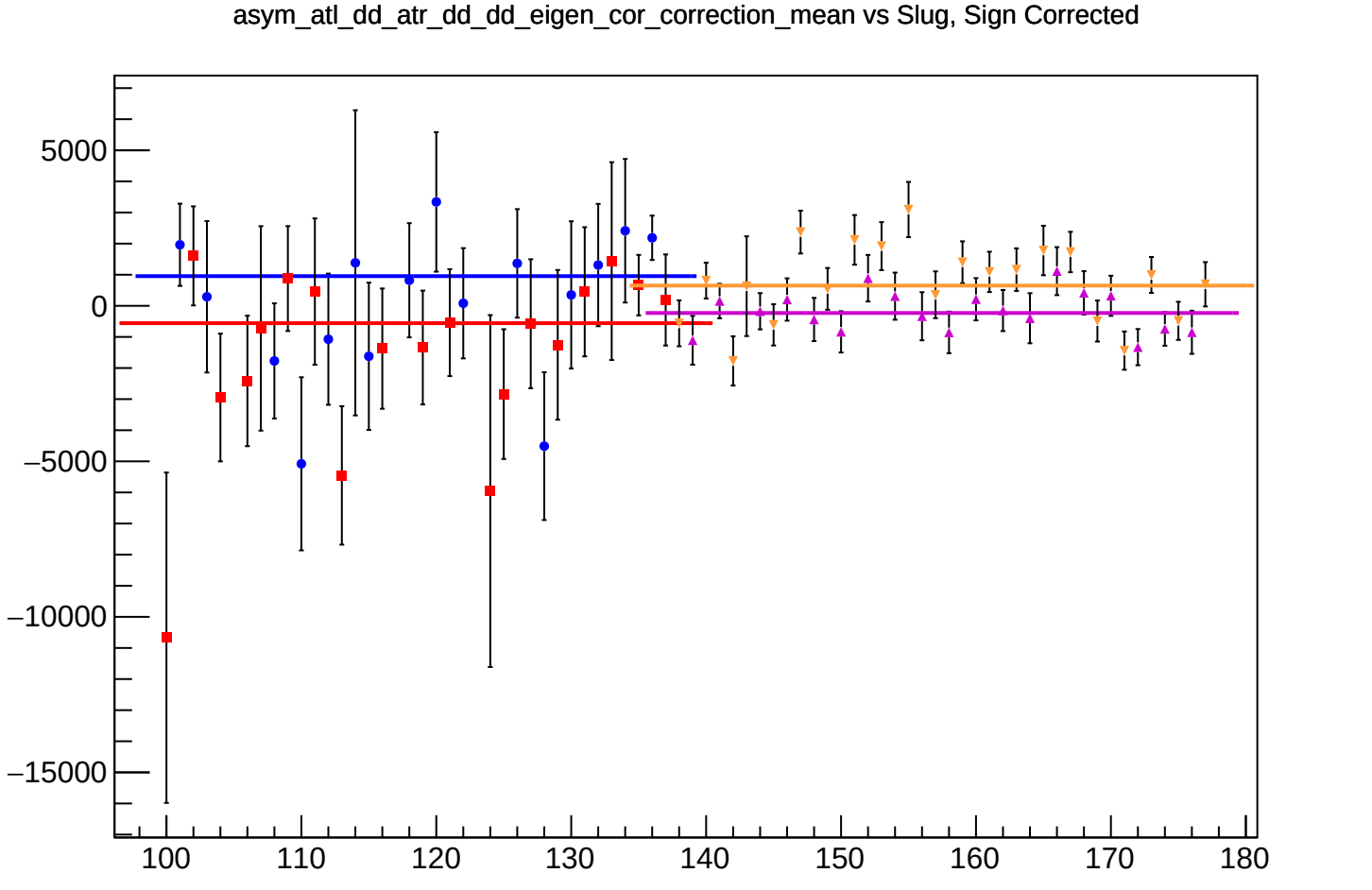
Left: 1248.674+/-0.156 χ^2/NDF: 215402.3/39

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1252.732+/-0.187 χ^2/NDF:550447.1/34

Out: 1262.169+/-0.183 χ^2/NDF:523276.6/39

All: 1257.540+/-0.131 χ^2/NDF: 1075023.7/74



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 650.593+/-152.555 χ^2/NDF:61.2/20

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -230.565+/-153.625 χ^2/NDF:17.1/18

Left: 213.095+/-108.249 χ^2/NDF: 94.9/39

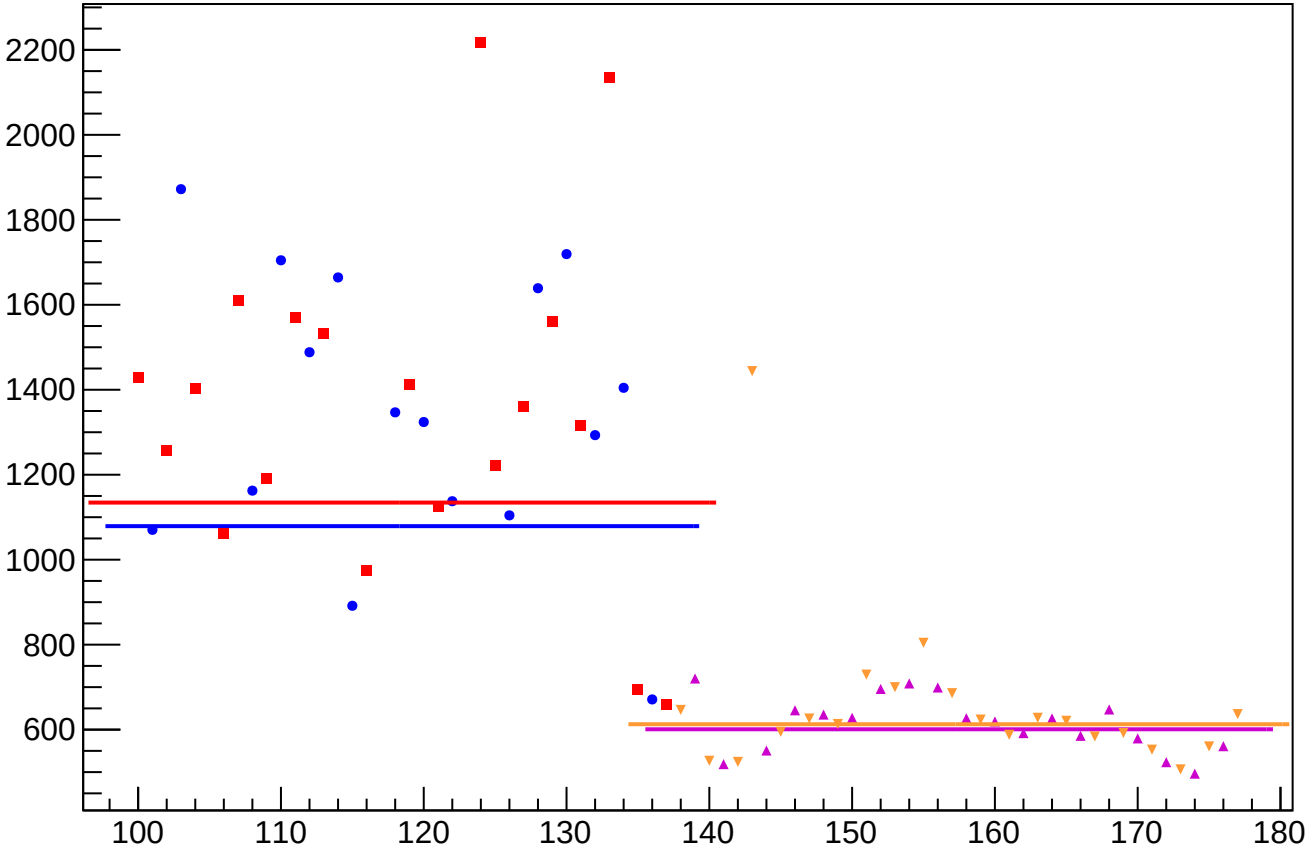
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: -94.033+/-144.502 χ^2/NDF:43.8/34

Out: 521.302+/-144.164 χ^2/NDF:86.3/39

All: 214.356+/-102.059 χ^2/NDF: 139.2/74

asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 612.702+/-0.108 χ^2/NDF:908027.8/20

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 600.796+/-0.109 χ^2/NDF:362428.7/18

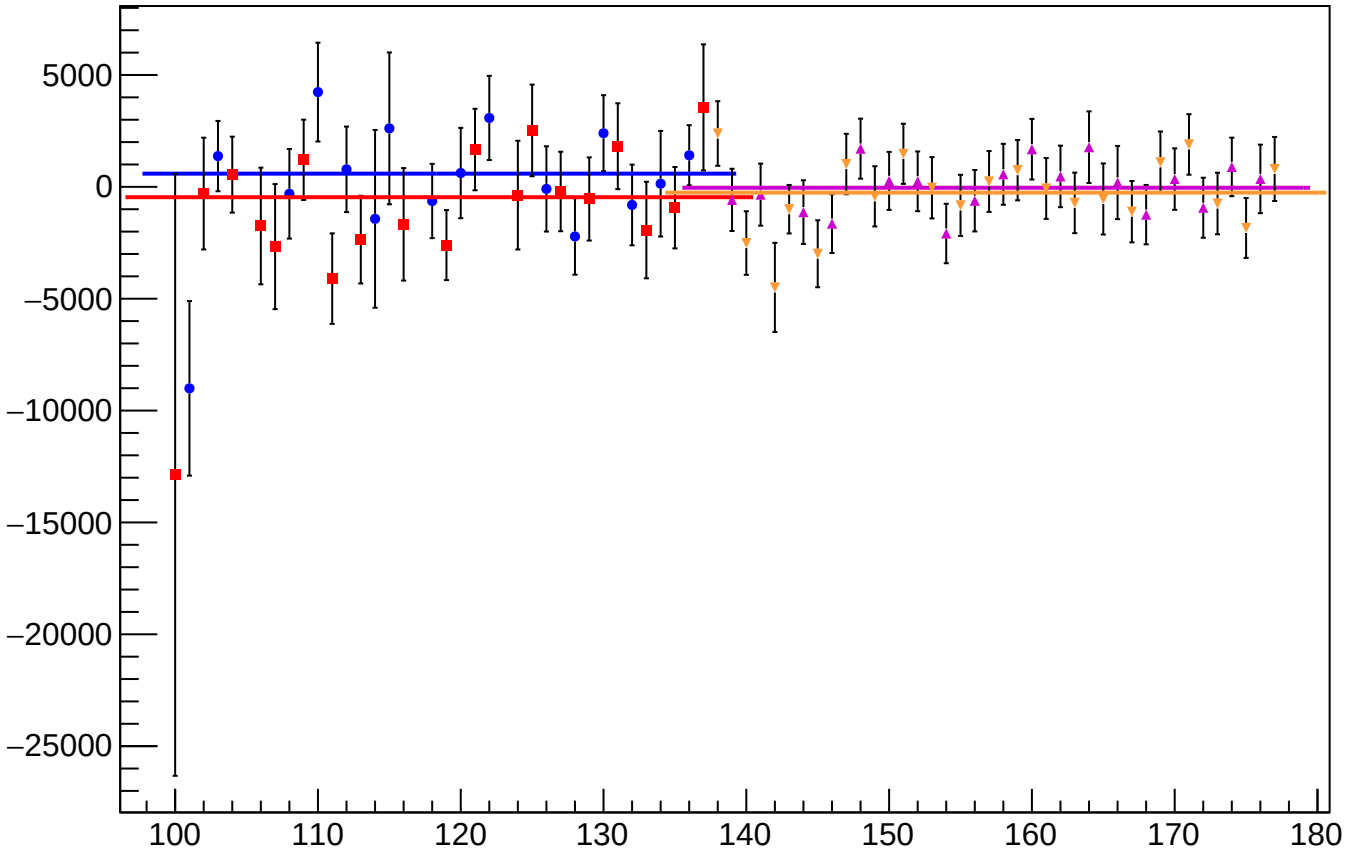
Left: 606.790+/-0.077 χ^2/NDF: 1276505.1/39

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 655.899+/-0.102 χ^2/NDF:4073844.4/34

Out: 668.517+/-0.102 χ^2/NDF:4699431.4/39

All: 662.223+/-0.072 χ^2/NDF: 8780919.3/74



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -258.828+/-301.527 χ^2/NDF:23.8/20

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -39.558+/-316.920 χ^2/NDF:11.8/18

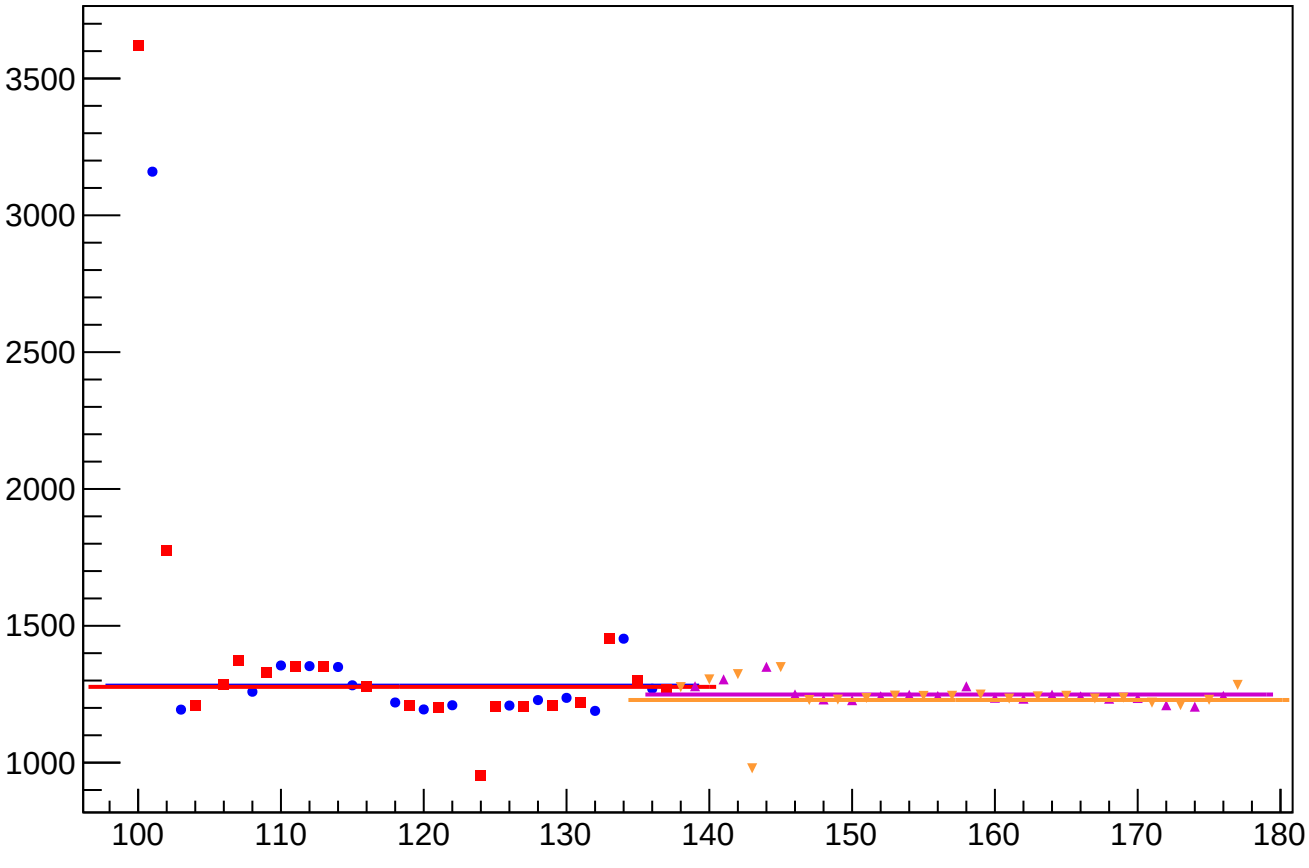
Left: -154.647+/-218.451 χ^2/NDF: 35.8/39

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 148.654+/-265.380 χ^2/NDF:30.1/34

Out: -317.043+/-254.843 χ^2/NDF:40.6/39

All: -93.624+/-183.813 χ^2/NDF: 72.3/74



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1228.956+/-0.213 χ^2/NDF:136371.9/20

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1248.957+/-0.224 χ^2/NDF:21082.7/18

Left: 1238.459+/-0.154 χ^2/NDF: 161635.8/39

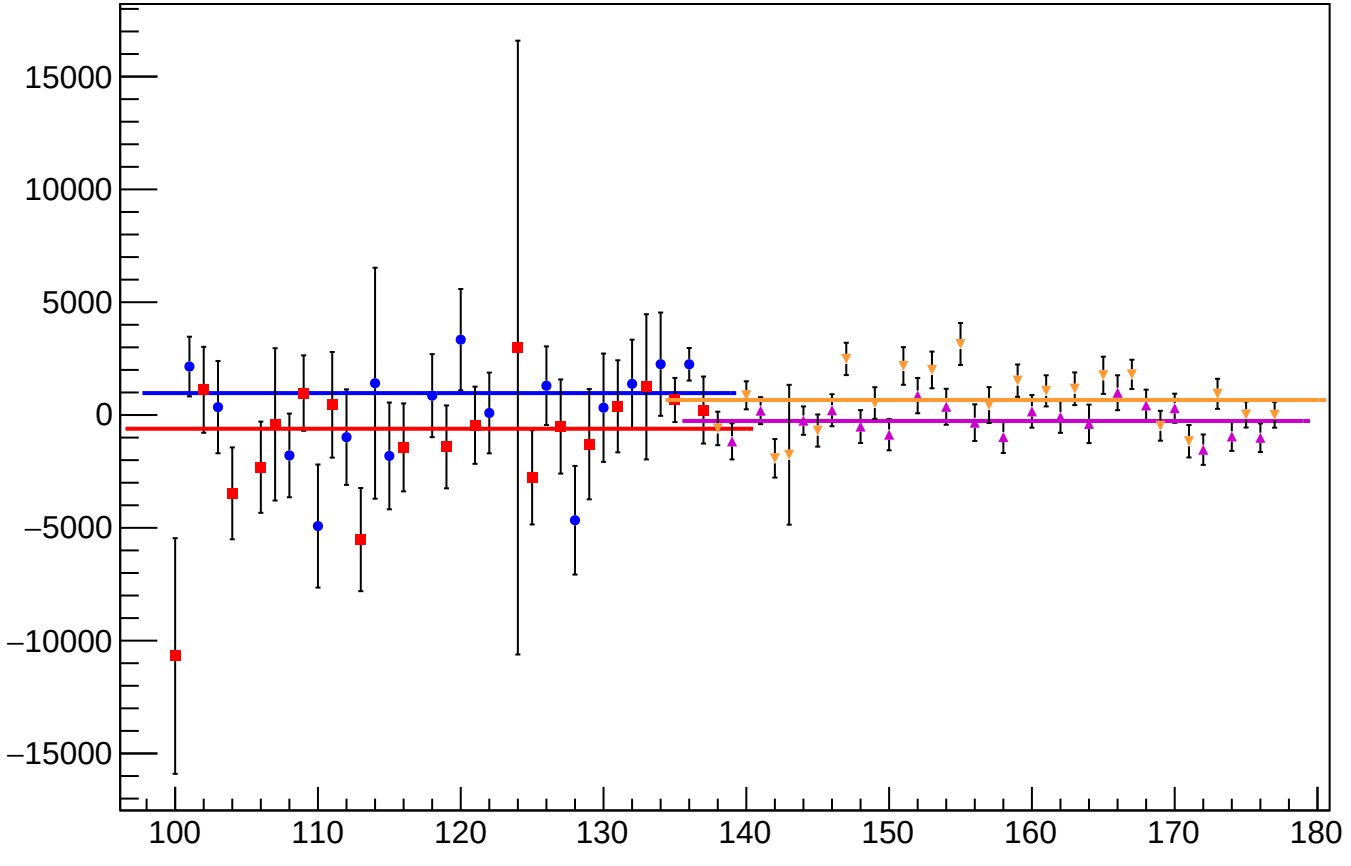
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1258.642+/-0.188 χ^2/NDF:534411.9/34

Out: 1242.641+/-0.180 χ^2/NDF:371307.1/39

All: 1250.317+/-0.130 χ^2/NDF: 909501.5/74

asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 665.726+/-158.358 χ^2/NDF:55.2/20

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: -263.669+/-162.125 χ^2/NDF:17.7/18

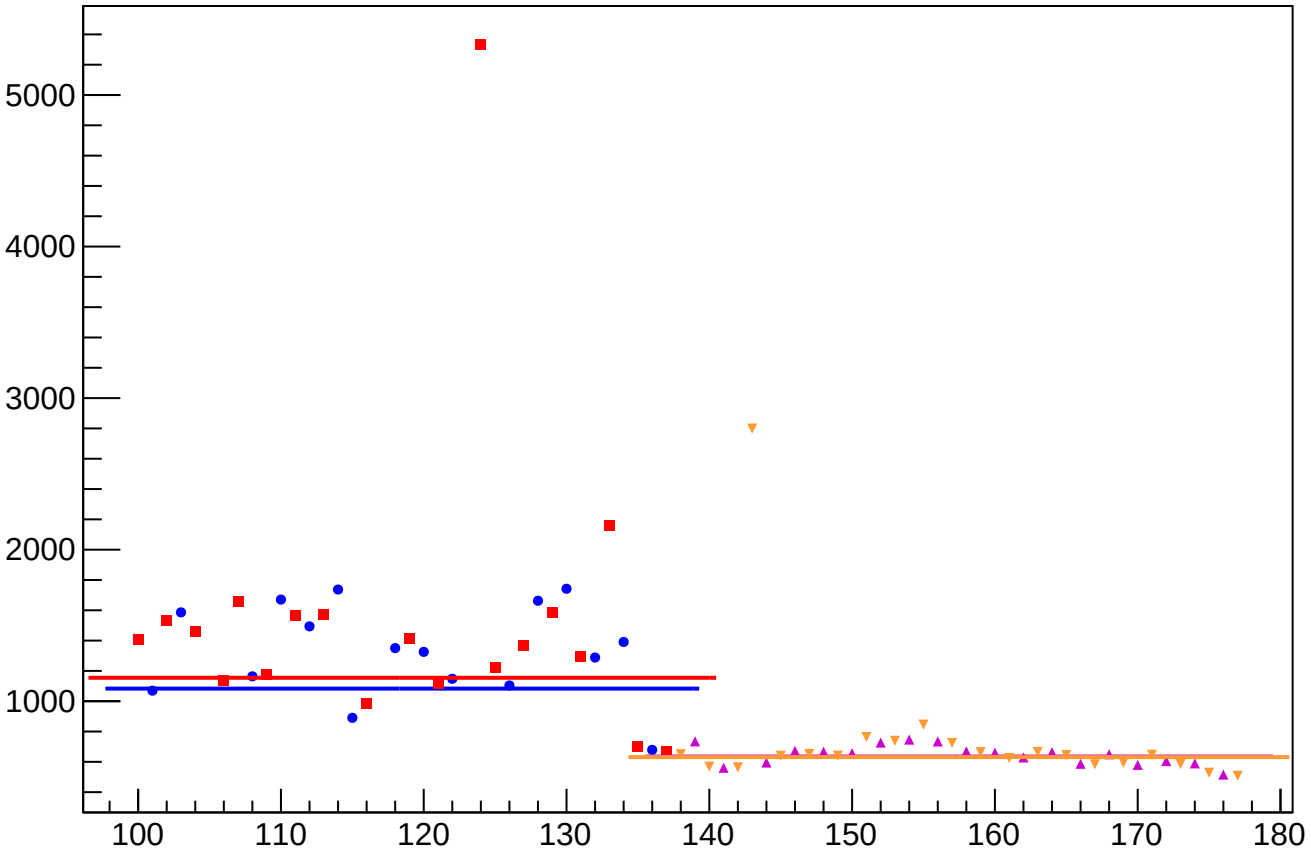
Left: 211.951+/-113.284 χ^2/NDF: 89.8/39

Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: -106.802+/-151.487 χ^2/NDF:45.6/34

Out: 524.057+/-149.295 χ^2/NDF:79.6/39

All: 213.226+/-106.334 χ^2/NDF: 133.9/74



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 631.200+/-0.112 χ^2/NDF:1428122.1/20

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 634.968+/-0.115 χ^2/NDF:294225.7/18

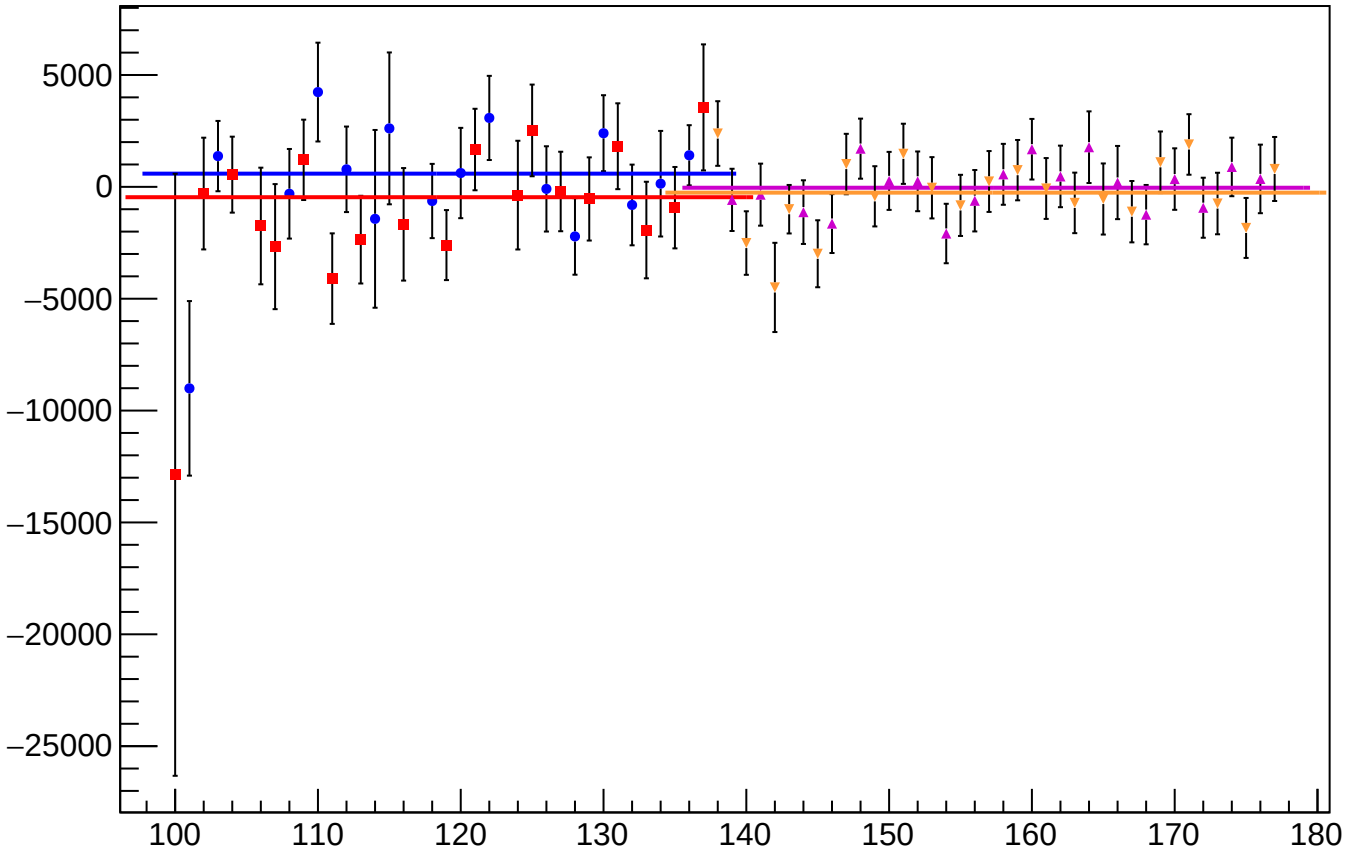
Left: 633.040+/-0.080 χ^2/NDF: 1722900.8/39

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 691.875+/-0.107 χ^2/NDF:3595827.9/34

Out: 689.408+/-0.106 χ^2/NDF:5346810.3/39

All: 690.624+/-0.075 χ^2/NDF: 8942907.0/74



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -258.829+/-301.527 χ^2/NDF:23.8/20

Right Out: -462.605+/-476.795 χ^2/NDF: 16.7/18

Left In: -39.558+/-316.920 χ^2/NDF:11.8/18

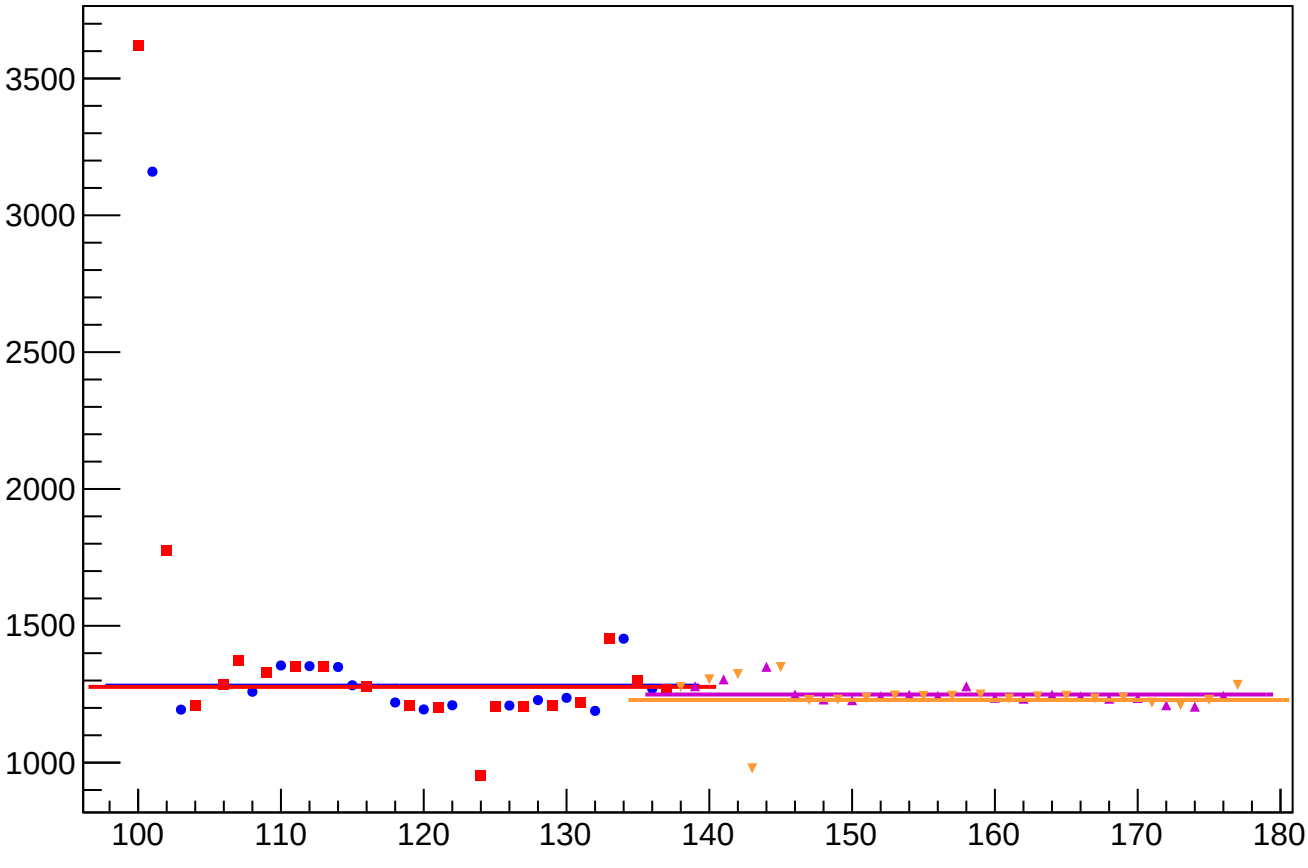
Left: -154.648+/-218.451 χ^2/NDF: 35.8/39

Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

In: 148.655+/-265.380 χ^2/NDF:30.1/34

Out: -317.044+/-254.843 χ^2/NDF:40.6/39

All: -93.624+/-183.813 χ^2/NDF: 72.3/74



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1228.956+/-0.213 χ^2/NDF:136371.2/20

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1248.957+/-0.224 χ^2/NDF:21082.8/18

Left: 1238.459+/-0.154 χ^2/NDF: 161635.2/39

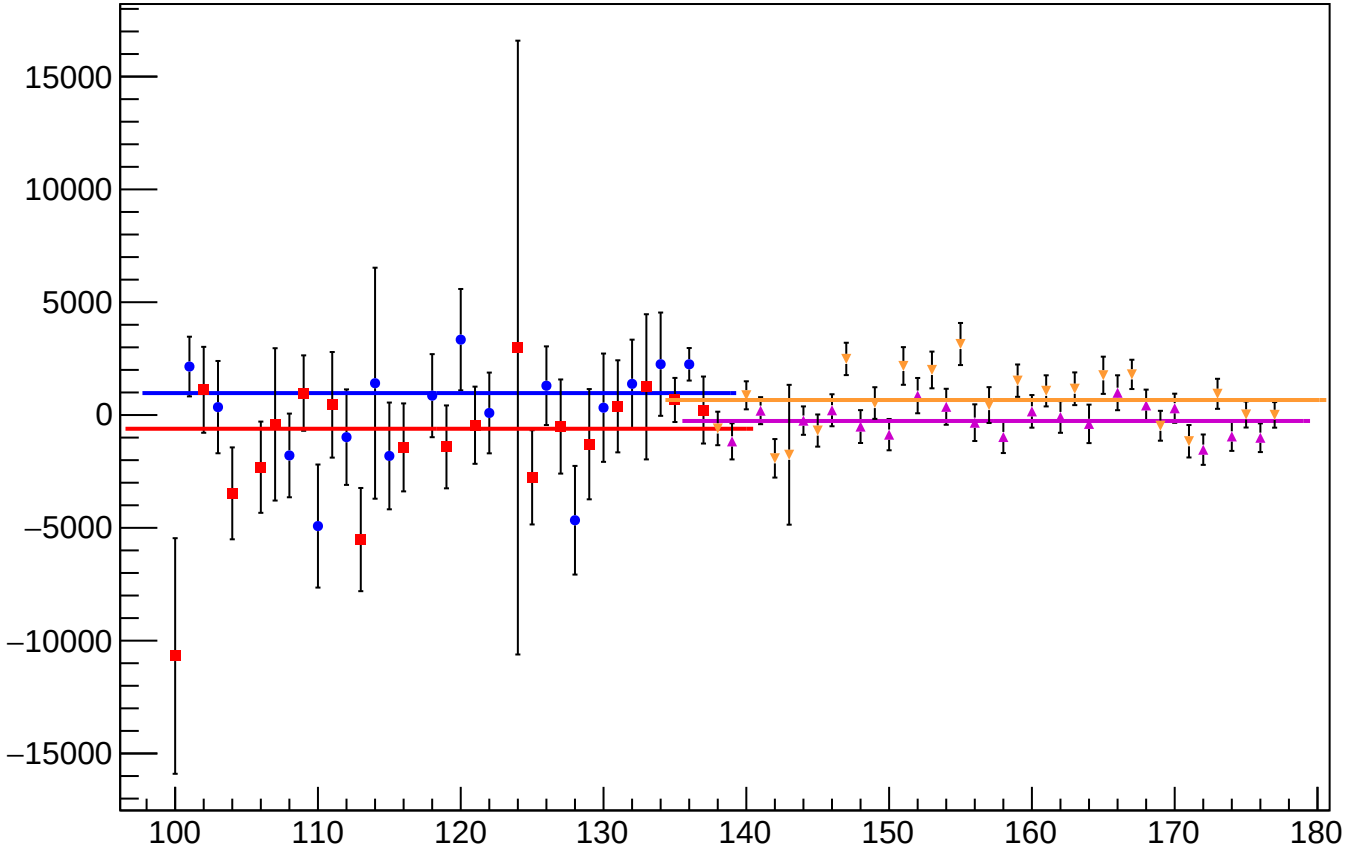
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1258.642+/-0.188 χ^2/NDF:534412.1/34

Out: 1242.641+/-0.180 χ^2/NDF:371306.2/39

All: 1250.317+/-0.130 χ^2/NDF: 909500.8/74

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: 665.726+/-158.358 χ^2/NDF:55.2/20

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -263.668+/-162.125 χ^2/NDF:17.7/18

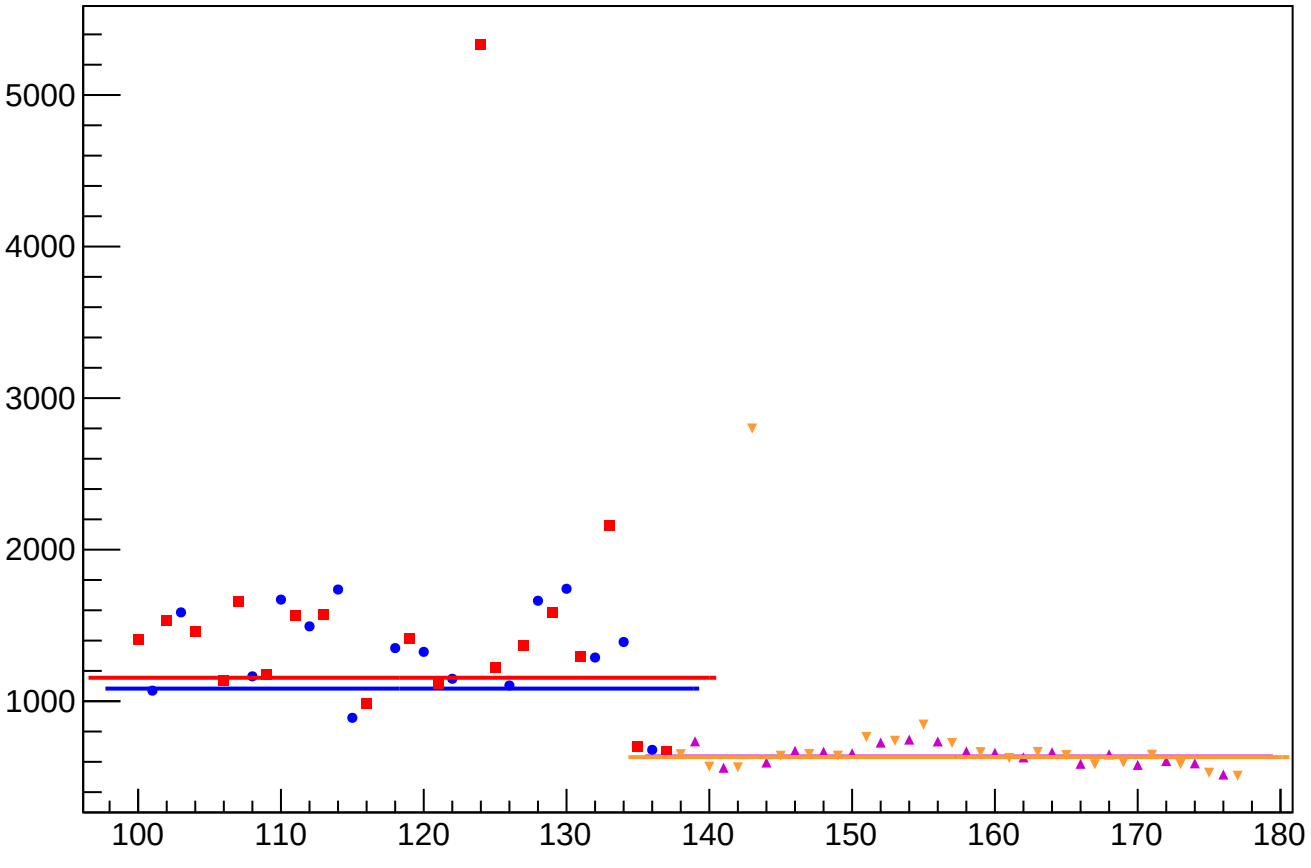
Left: 211.951+/-113.284 χ^2/NDF: 89.8/39

Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: -106.803+/-151.487 χ^2/NDF:45.6/34

Out: 524.058+/-149.295 χ^2/NDF:79.6/39

All: 213.225+/-106.334 χ^2/NDF: 133.9/74



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 631.200+/-0.112 χ^2/NDF:1428118.6/20

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 634.967+/-0.115 χ^2/NDF:294228.9/18

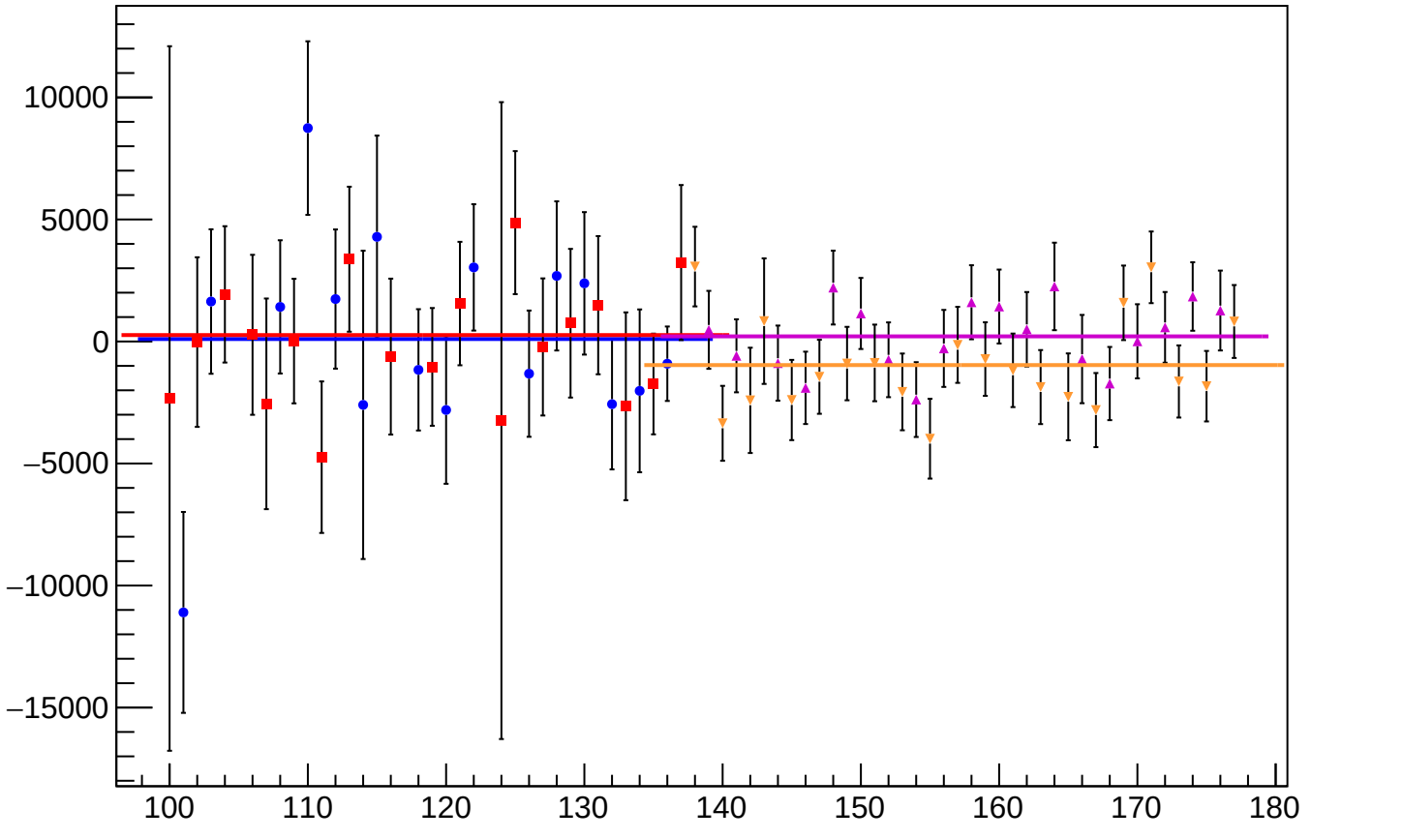
Left: 633.039+/-0.080 χ^2/NDF: 1722900.3/39

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 691.874+/-0.107 χ^2/NDF:3595821.8/34

Out: 689.409+/-0.106 χ^2/NDF:5346803.3/39

All: 690.624+/-0.075 χ^2/NDF: 8942893.9/74



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -966.800+/-345.996 χ^2/NDF:29.2/20

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: 210.020+/-352.862 χ^2/NDF:15.0/18

Left: -389.951+/-247.048 χ^2/NDF: 49.8/39

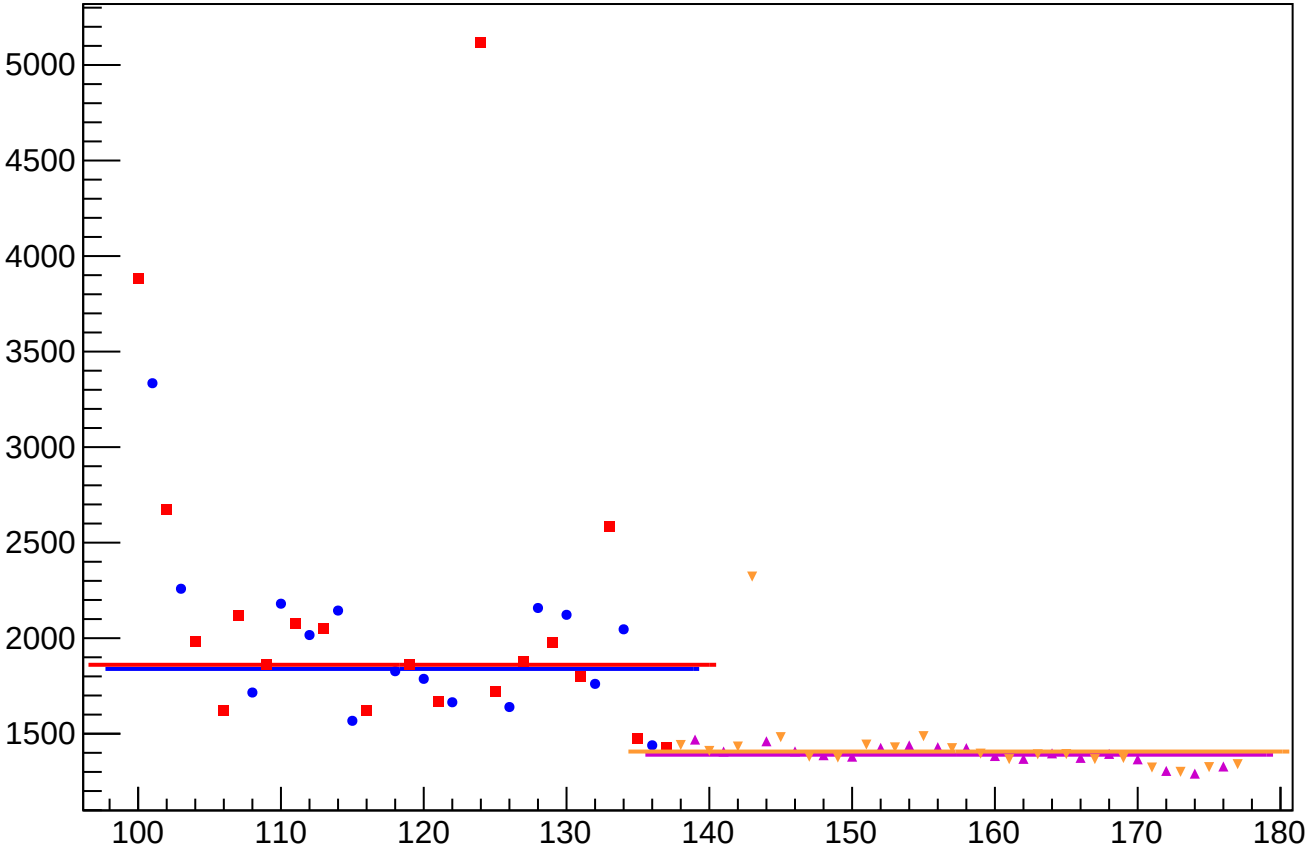
Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 187.768+/-315.000 χ^2/NDF:36.3/34

Out: -725.237+/-310.151 χ^2/NDF:42.0/39

All: -275.816+/-221.004 χ^2/NDF: 82.5/74

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1406.670+/-0.245 χ^2/NDF:298275.4/20

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1390.175+/-0.250 χ^2/NDF:35958.2/18

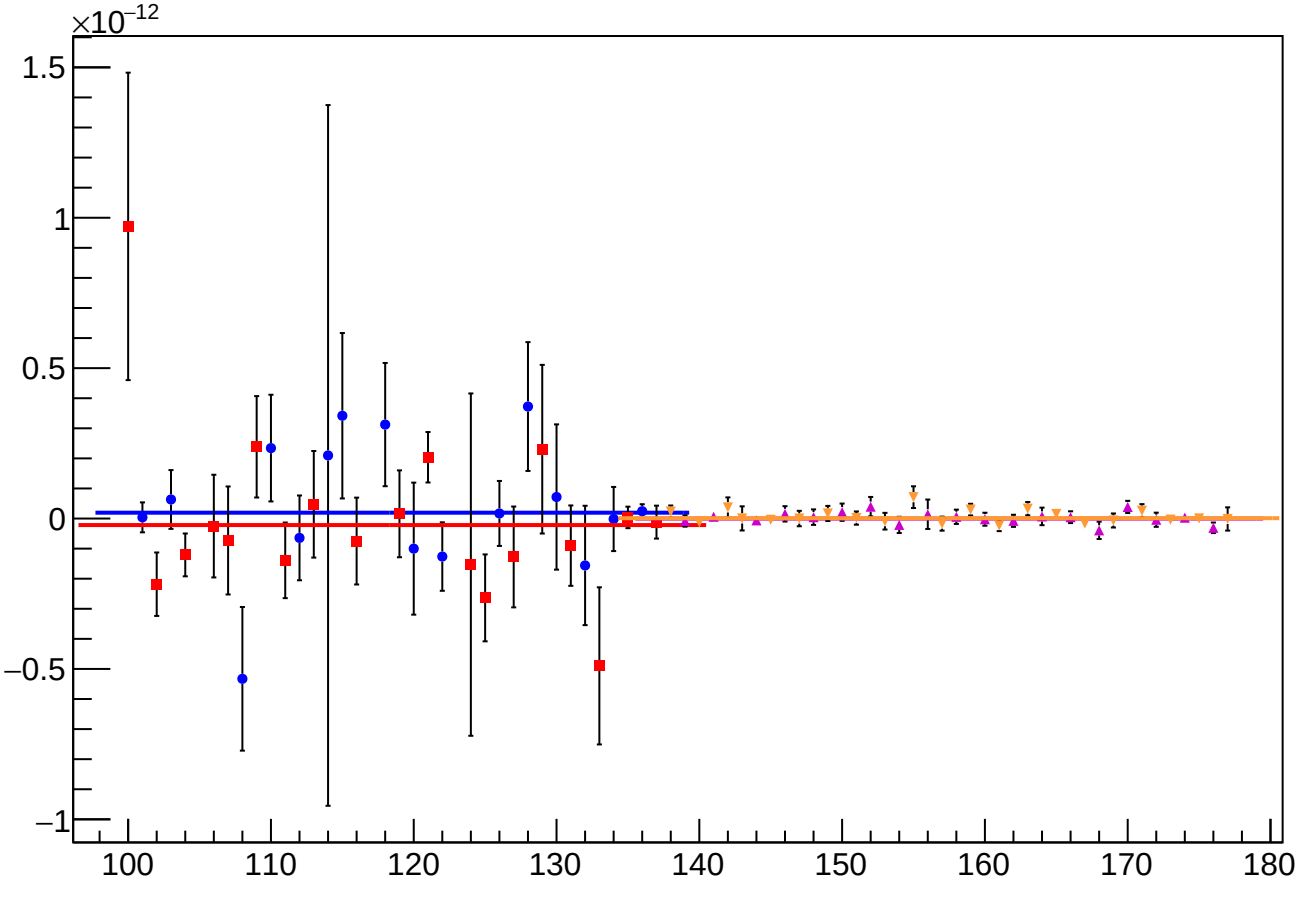
Left: 1398.585+/-0.175 χ^2/NDF: 336461.9/39

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1481.350+/-0.223 χ^2/NDF:1250160.7/34

Out: 1495.885+/-0.219 χ^2/NDF:1497187.5/39

All: 1488.730+/-0.156 χ^2/NDF: 2749510.4/74



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.7/20

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:12.6/18

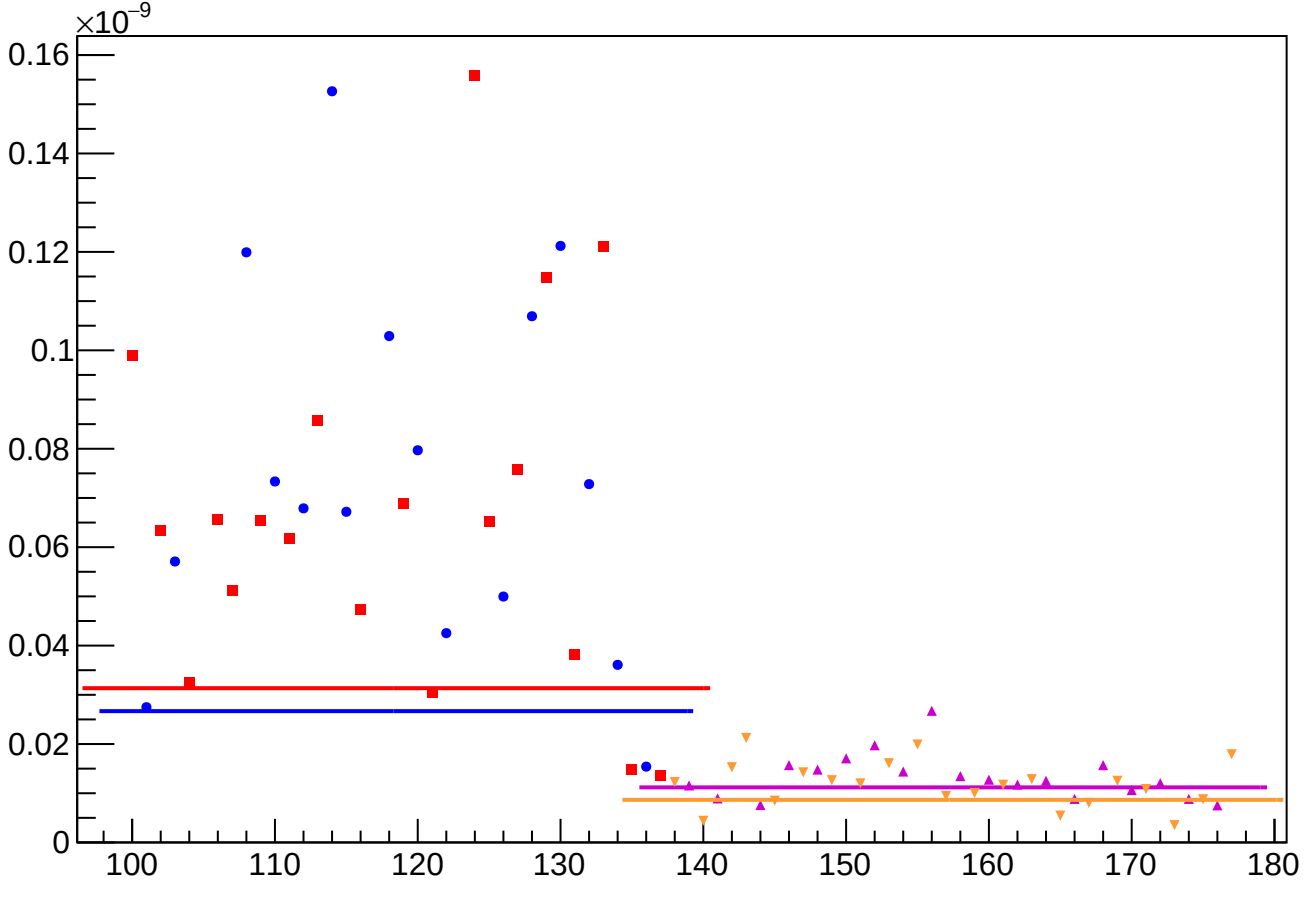
Left: 0.000+/-0.000 χ^2/NDF: 31.4/39

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:30.1/34

Out: 0.000+/-0.000 χ^2/NDF:47.9/39

All: 0.000+/-0.000 χ^2/NDF: 78.0/74



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2114148.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:988234.7/18

Left: 0.000+/-0.000 χ^2/NDF: 3424389.8/39

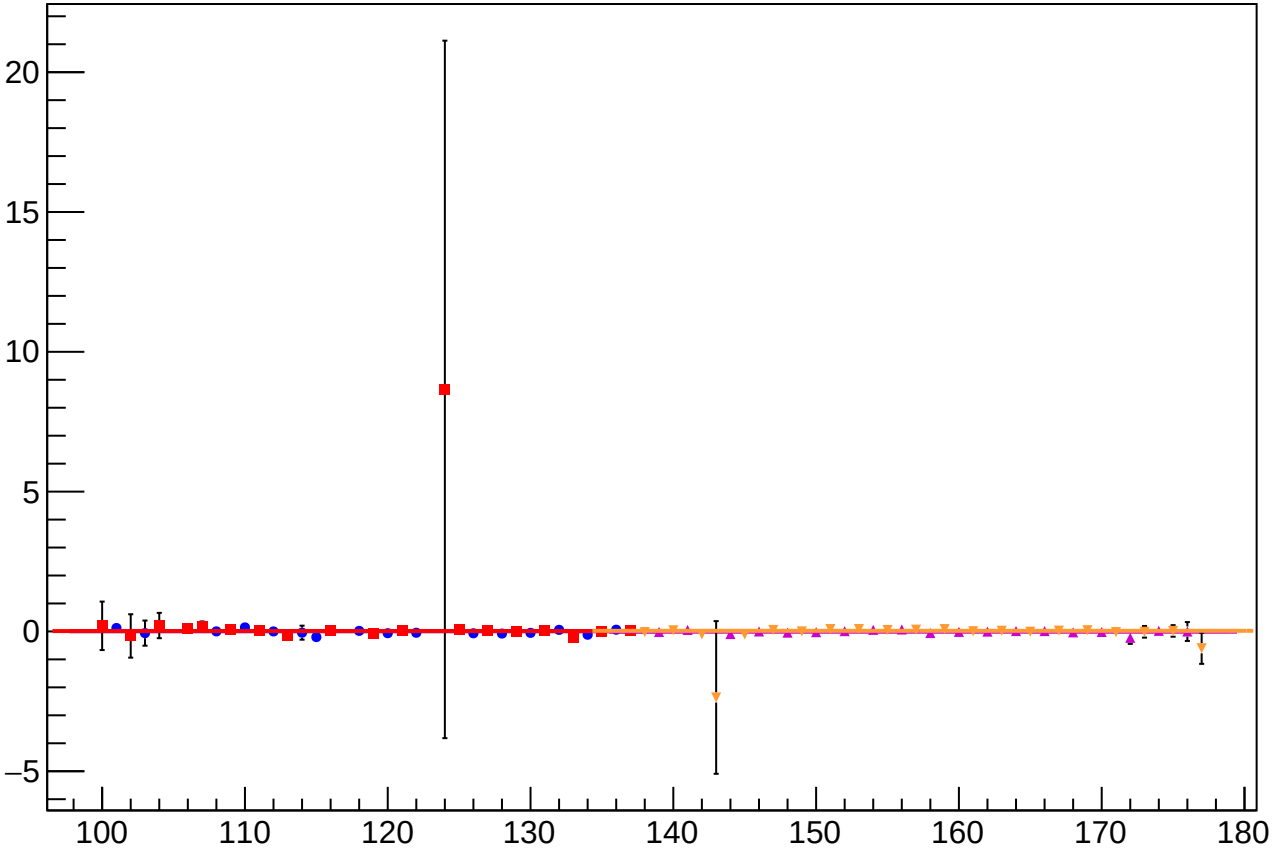
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4840598.6/34

Out: 0.000+/-0.000 χ^2/NDF:6395803.7/39

All: 0.000+/-0.000 χ^2/NDF: 11648827.5/74

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:19.4/20

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:11.9/18

Left: 0.006+/-0.007 χ^2/NDF: 36.6/39

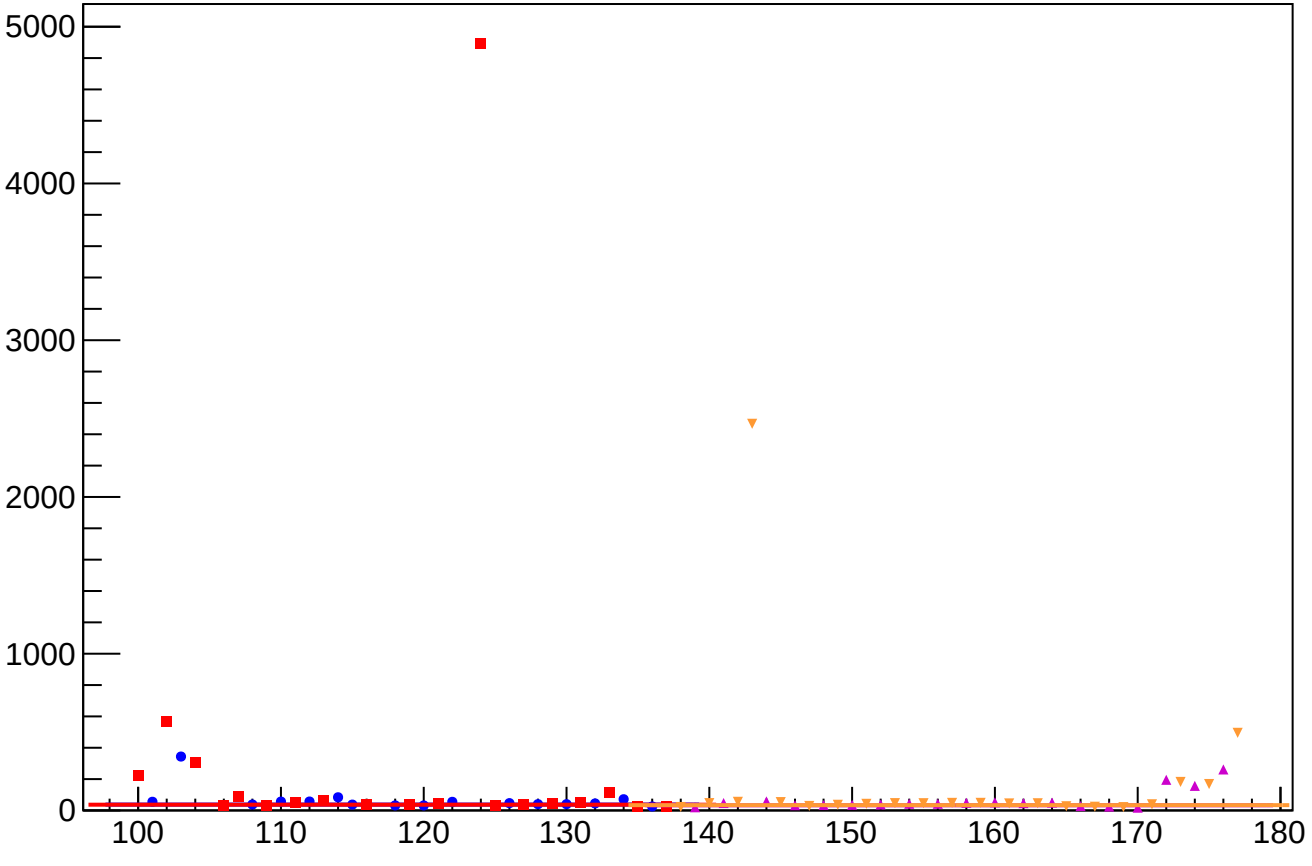
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/34

Out: 0.020+/-0.009 χ^2/NDF:32.2/39

All: 0.007+/-0.006 χ^2/NDF: 68.6/74

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 33.822+/-0.007 χ^2/NDF:7220370.2/20

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.818+/-0.007 χ^2/NDF:5733137.0/18

Left: 33.307+/-0.005 χ^2/NDF: 12963399.9/39

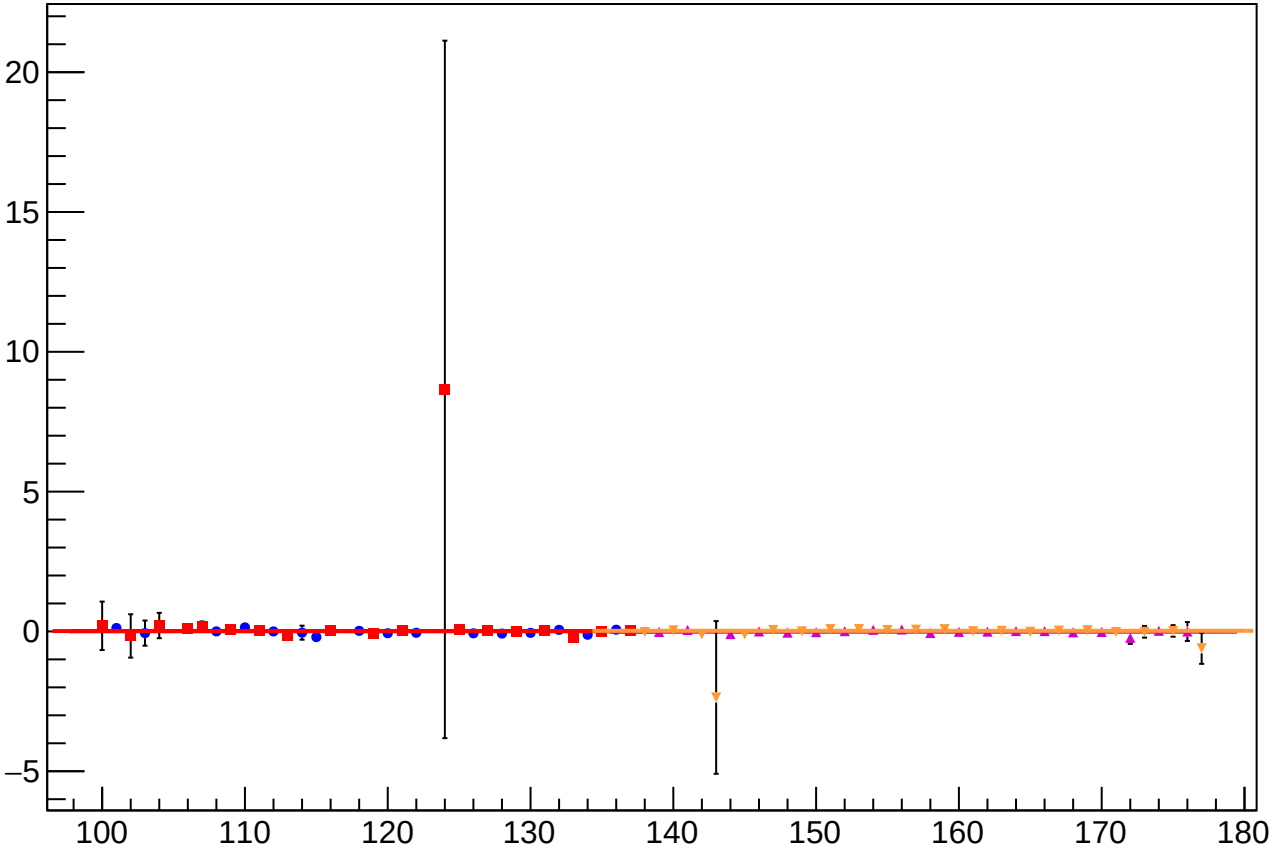
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.114+/-0.006 χ^2/NDF:7838704.0/34

Out: 34.630+/-0.006 χ^2/NDF:10456656.0/39

All: 34.365+/-0.004 χ^2/NDF: 18298972.6/74

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:19.4/20

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:11.9/18

Left: 0.006+/-0.007 χ^2/NDF: 36.6/39

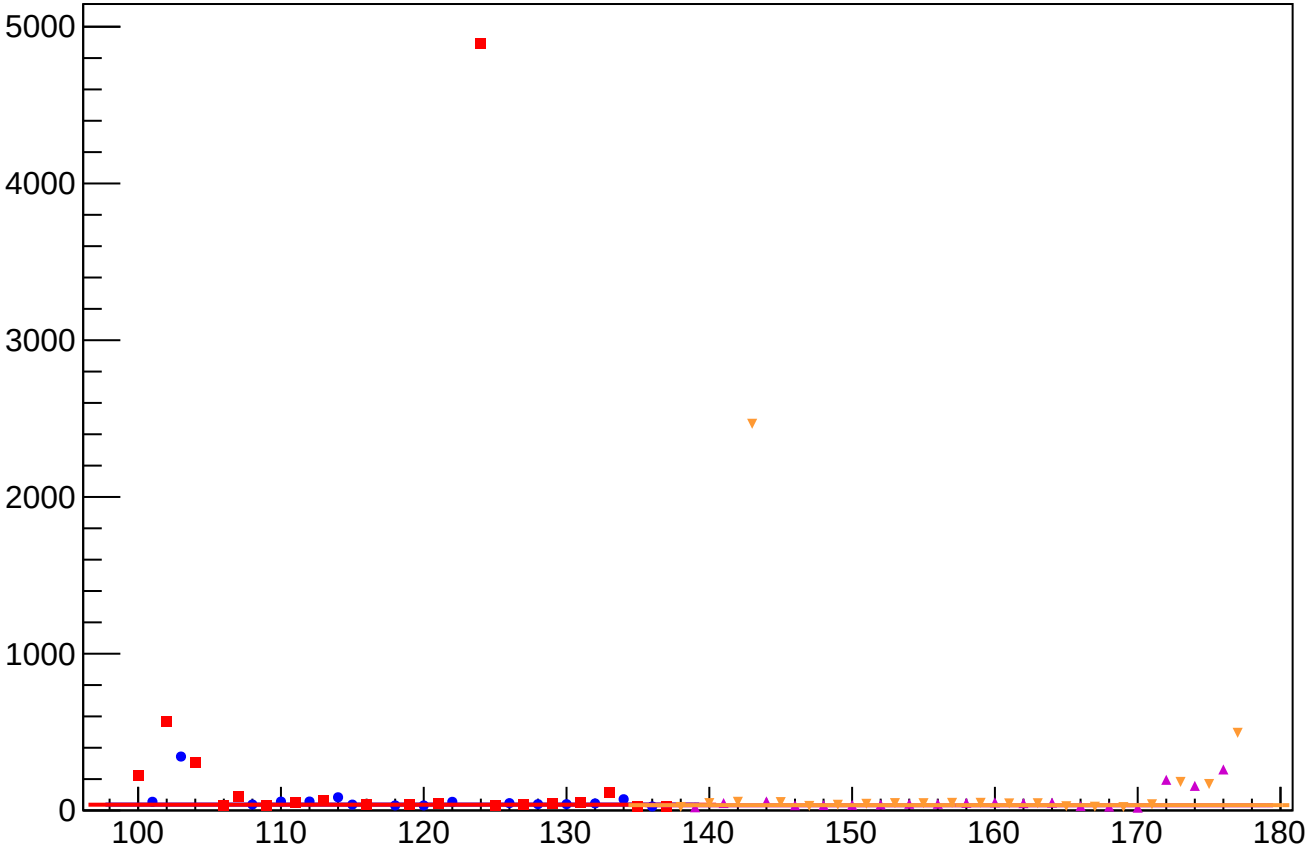
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/34

Out: 0.020+/-0.009 χ^2/NDF:32.2/39

All: 0.007+/-0.006 χ^2/NDF: 68.6/74

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 33.822+/-0.007 χ^2/NDF:7220370.2/20

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.818+/-0.007 χ^2/NDF:5733137.0/18

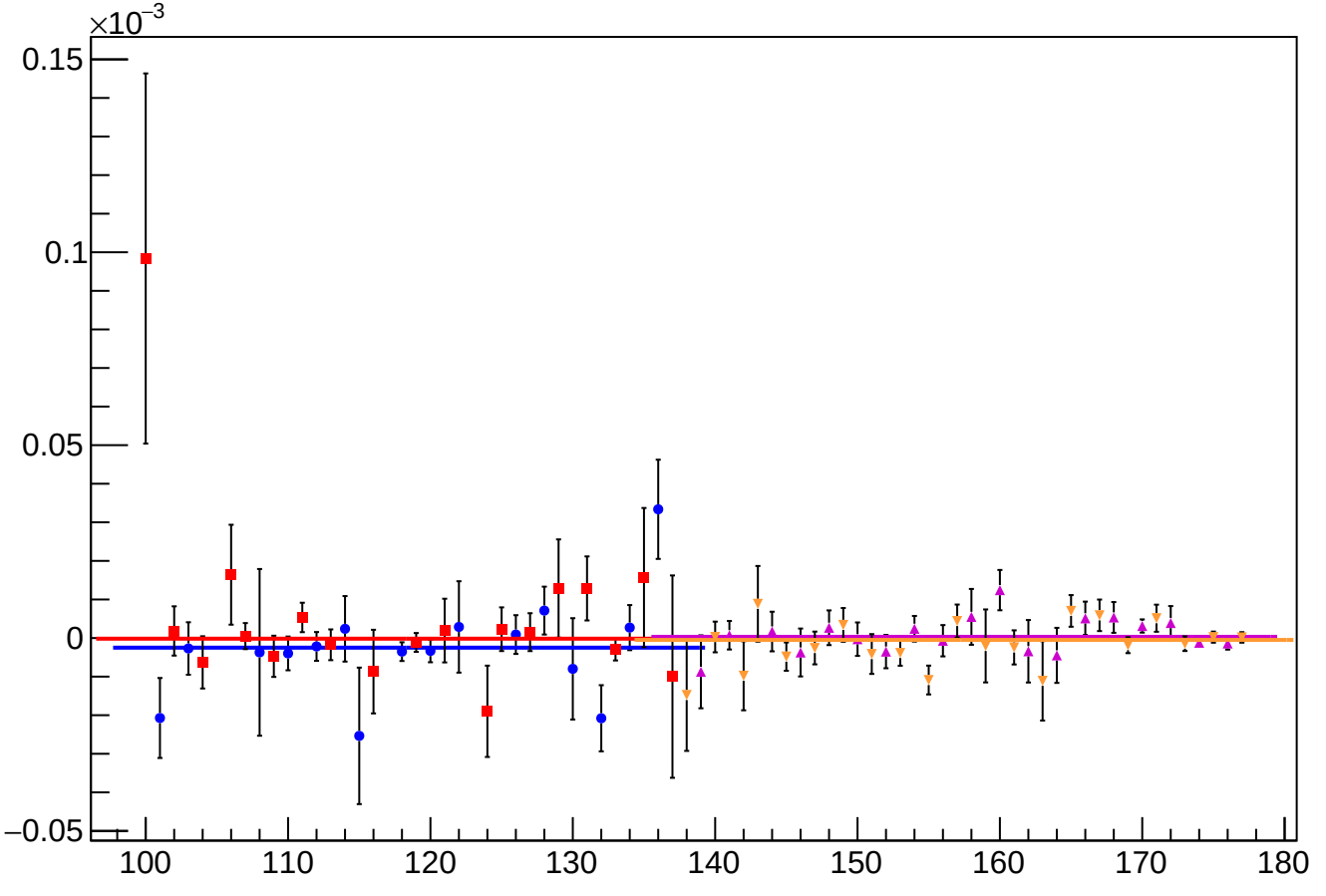
Left: 33.307+/-0.005 χ^2/NDF: 12963399.9/39

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.114+/-0.006 χ^2/NDF:7838704.0/34

Out: 34.630+/-0.006 χ^2/NDF:10456656.0/39

All: 34.365+/-0.004 χ^2/NDF: 18298972.6/74



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.8/20

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:18.9/18

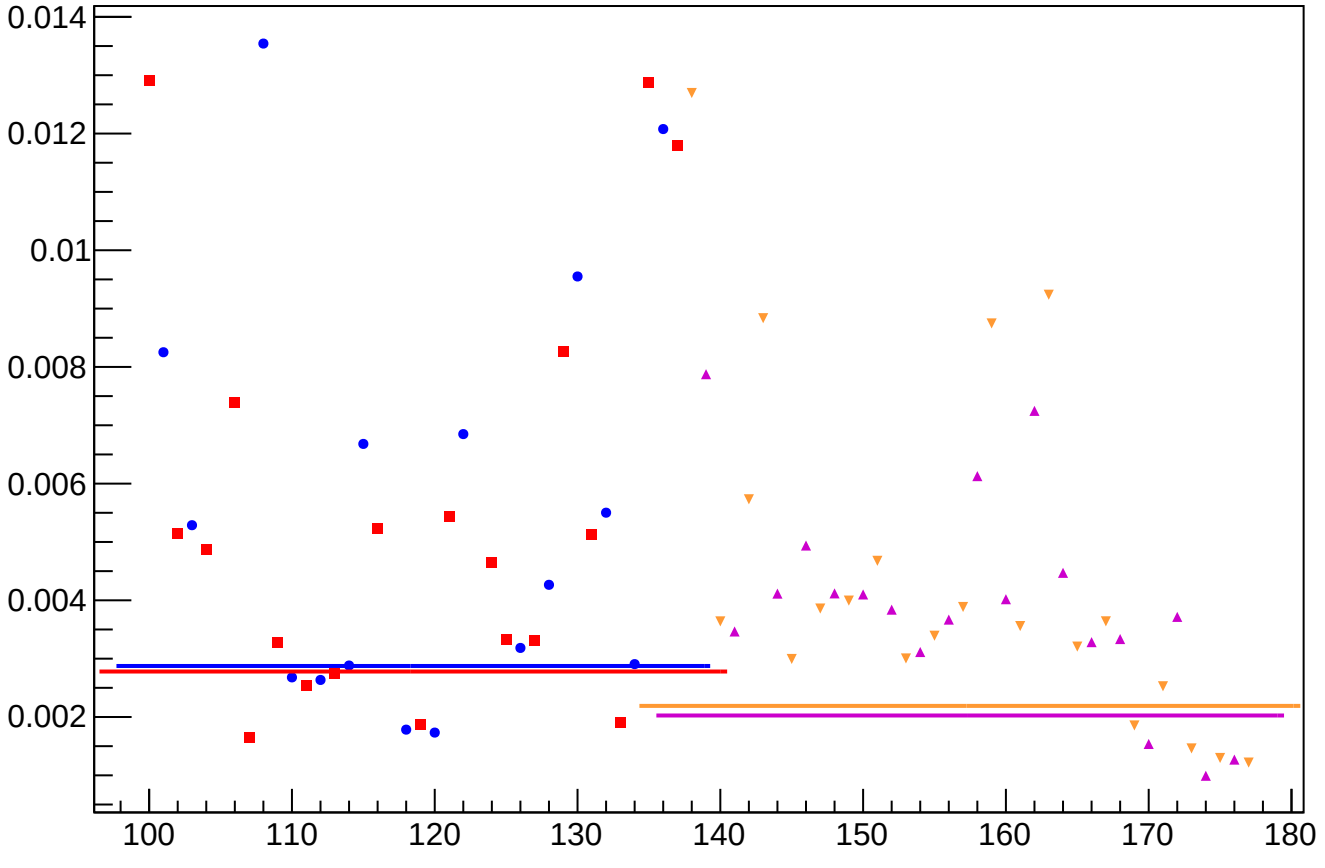
Left: -0.000+/-0.000 χ^2/NDF: 46.5/39

Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:44.4/34

Out: -0.000+/-0.000 χ^2/NDF:45.8/39

All: -0.000+/-0.000 χ^2/NDF: 90.2/74



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:9009808.0/20

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.002+/-0.000 χ^2/NDF:8752658.2/18

Left: 0.002+/-0.000 χ^2/NDF: 17825248.3/39

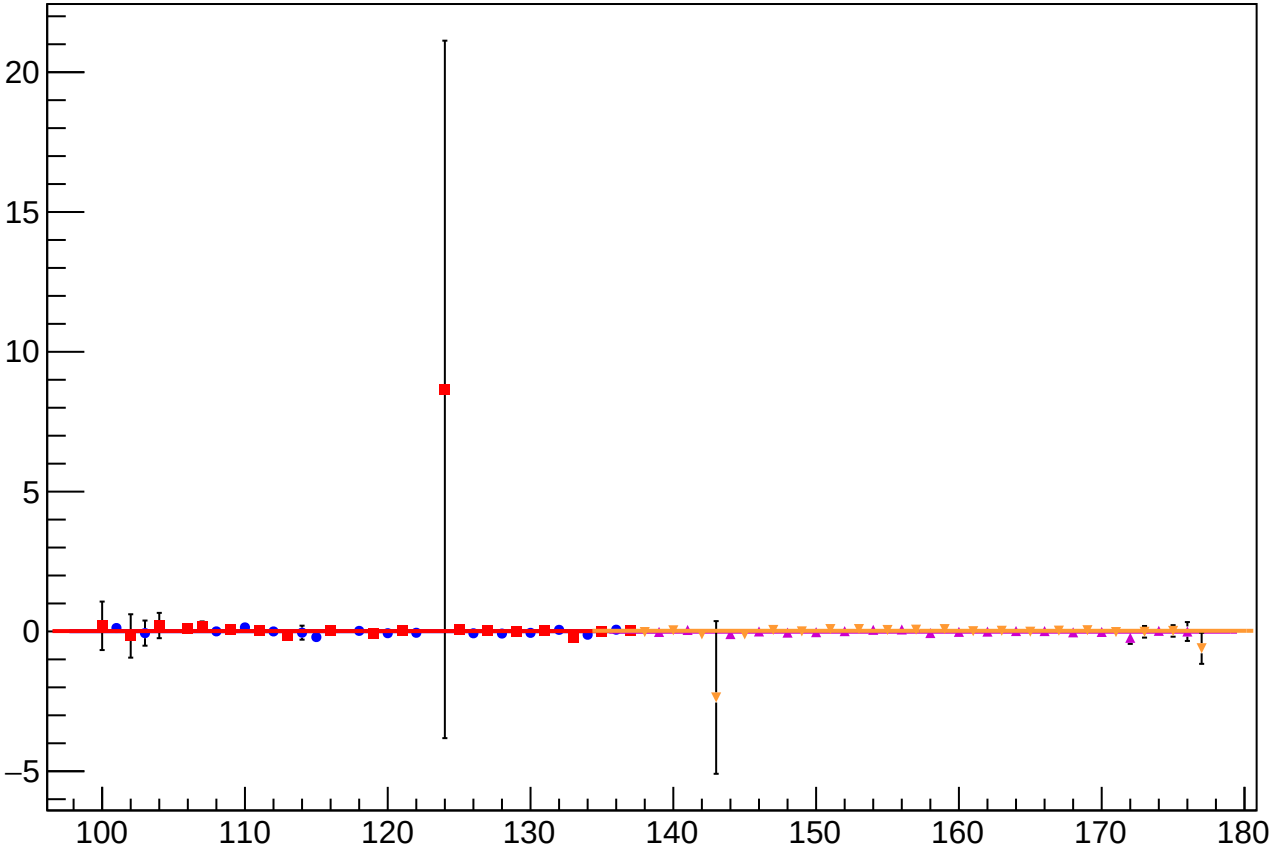
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.002+/-0.000 χ^2/NDF:13579220.0/34

Out: 0.002+/-0.000 χ^2/NDF:12705423.3/39

All: 0.002+/-0.000 χ^2/NDF: 26336771.2/74

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:19.4/20

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:11.9/18

Left: 0.006+/-0.007 χ^2/NDF: 36.6/39

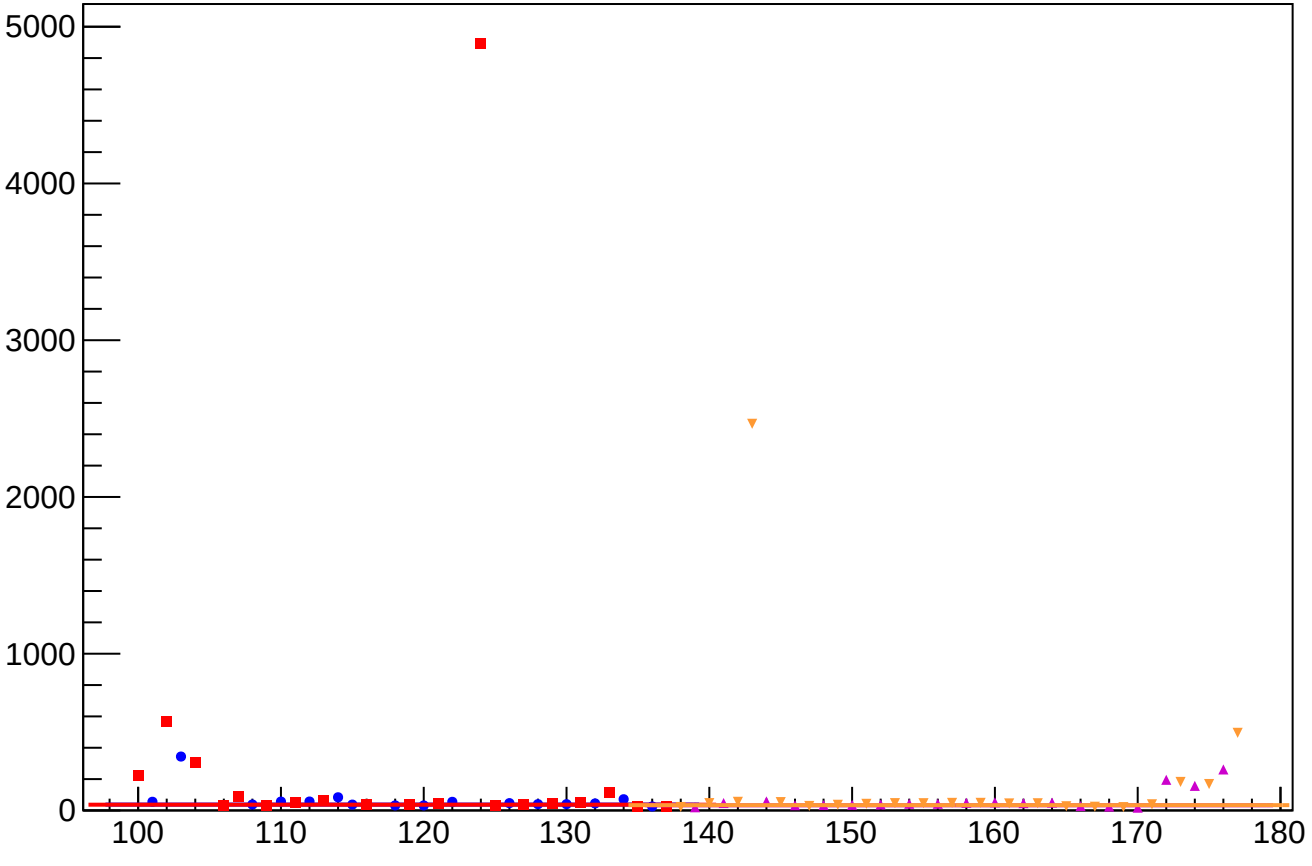
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/34

Out: 0.020+/-0.009 χ^2/NDF:32.2/39

All: 0.007+/-0.006 χ^2/NDF: 68.6/74

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.821+/-0.007 χ^2/NDF:7220458.7/20

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.820+/-0.007 χ^2/NDF:5731937.1/18

Left: 33.307+/-0.005 χ^2/NDF: 12962225.7/39

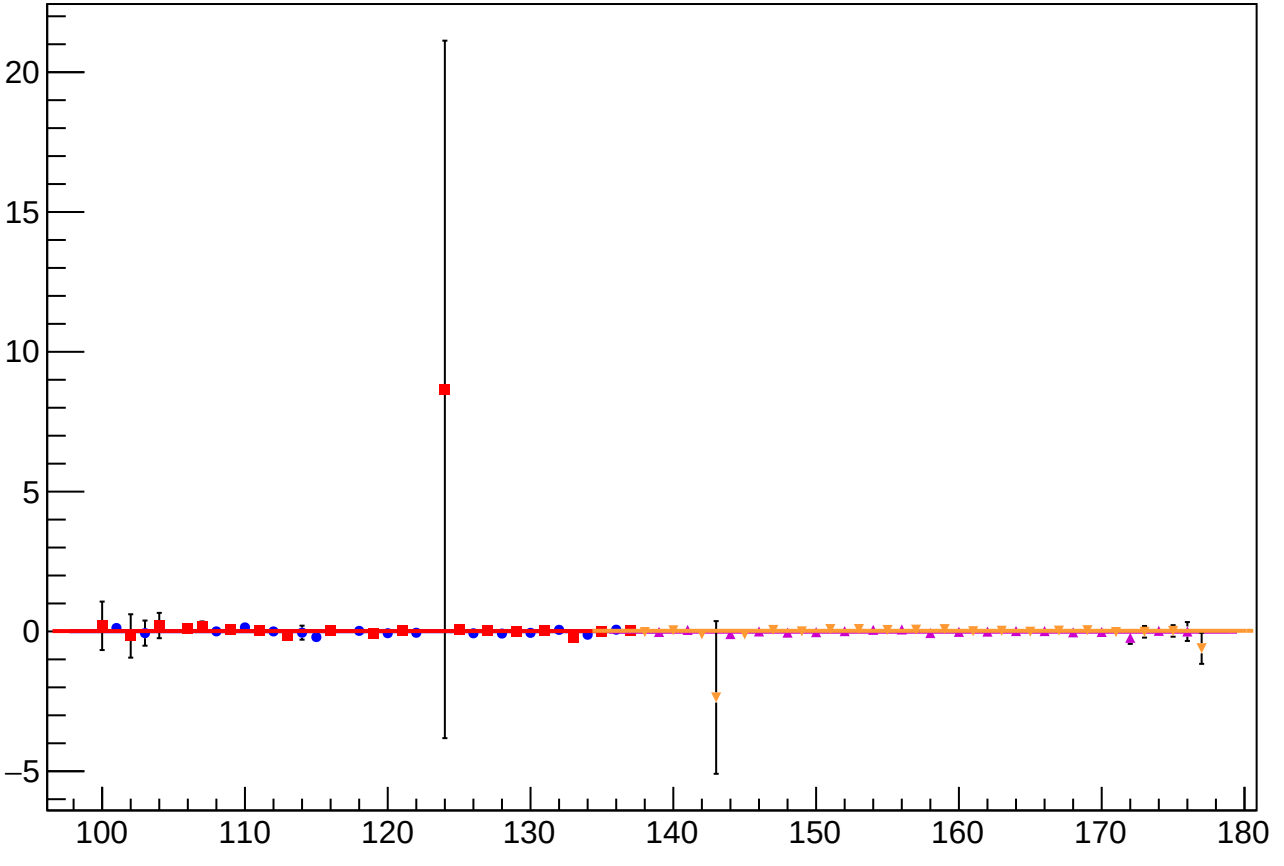
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.116+/-0.006 χ^2/NDF:7837342.0/34

Out: 34.630+/-0.006 χ^2/NDF:10456525.3/39

All: 34.366+/-0.004 χ^2/NDF: 18297450.7/74

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:19.4/20

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:11.9/18

Left: 0.006+/-0.007 χ^2/NDF: 36.6/39

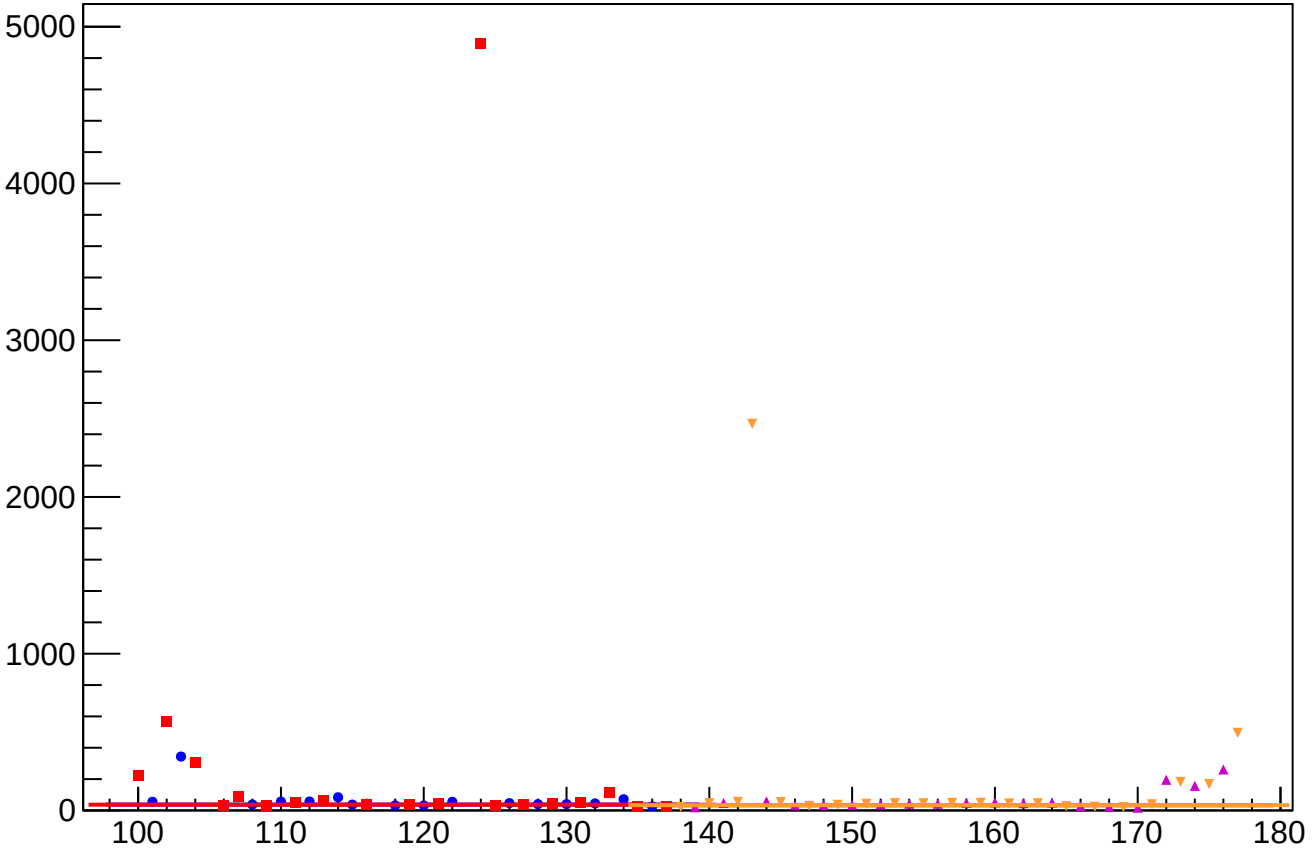
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/34

Out: 0.020+/-0.009 χ^2/NDF:32.2/39

All: 0.007+/-0.006 χ^2/NDF: 68.6/74

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.821+/-0.007 χ^2/NDF:7220458.7/20

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.820+/-0.007 χ^2/NDF:5731937.1/18

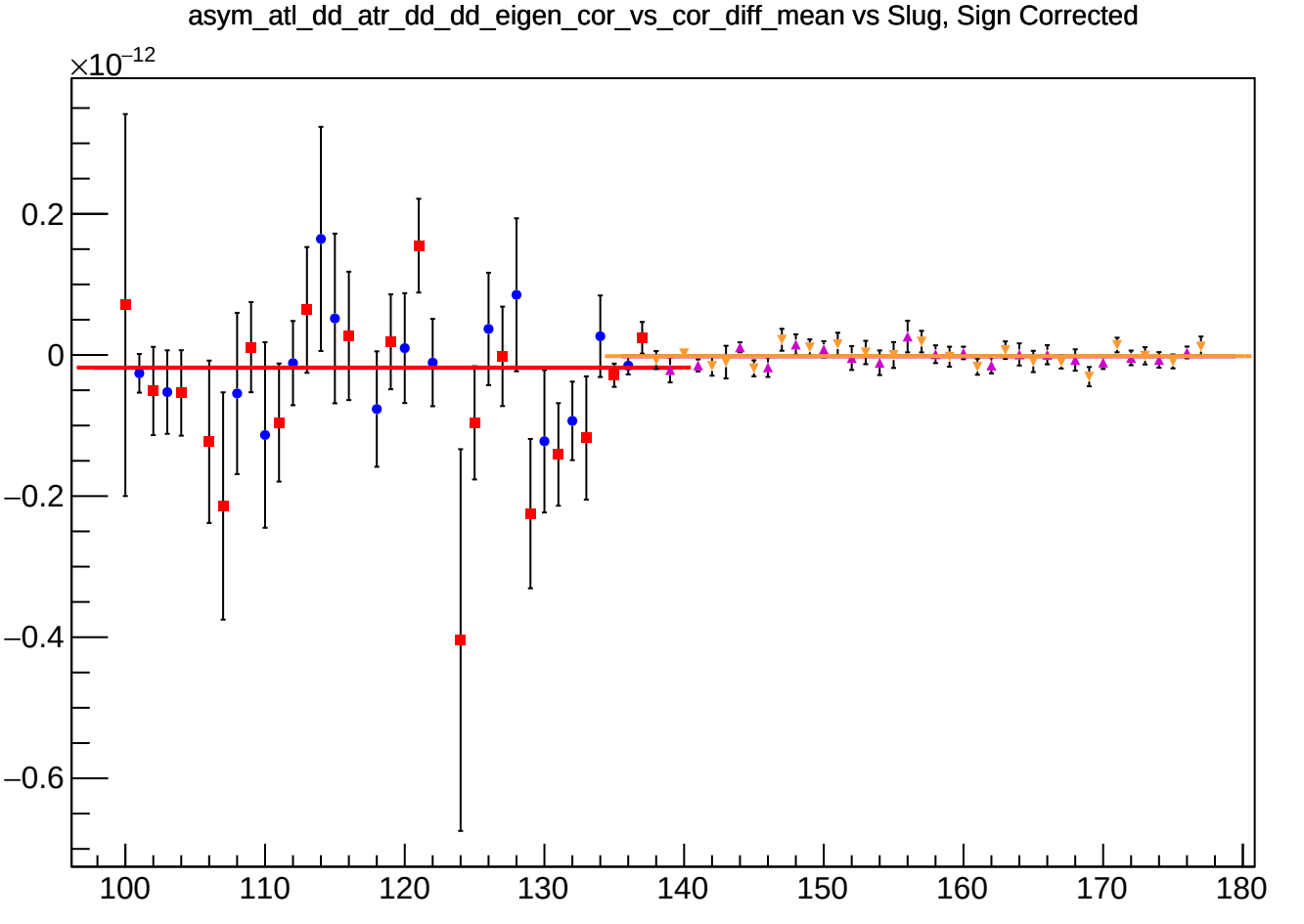
Left: 33.307+/-0.005 χ^2/NDF: 12962225.7/39

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.116+/-0.006 χ^2/NDF:7837342.0/34

Out: 34.630+/-0.006 χ^2/NDF:10456525.3/39

All: 34.366+/-0.004 χ^2/NDF: 18297450.7/74



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/20

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

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

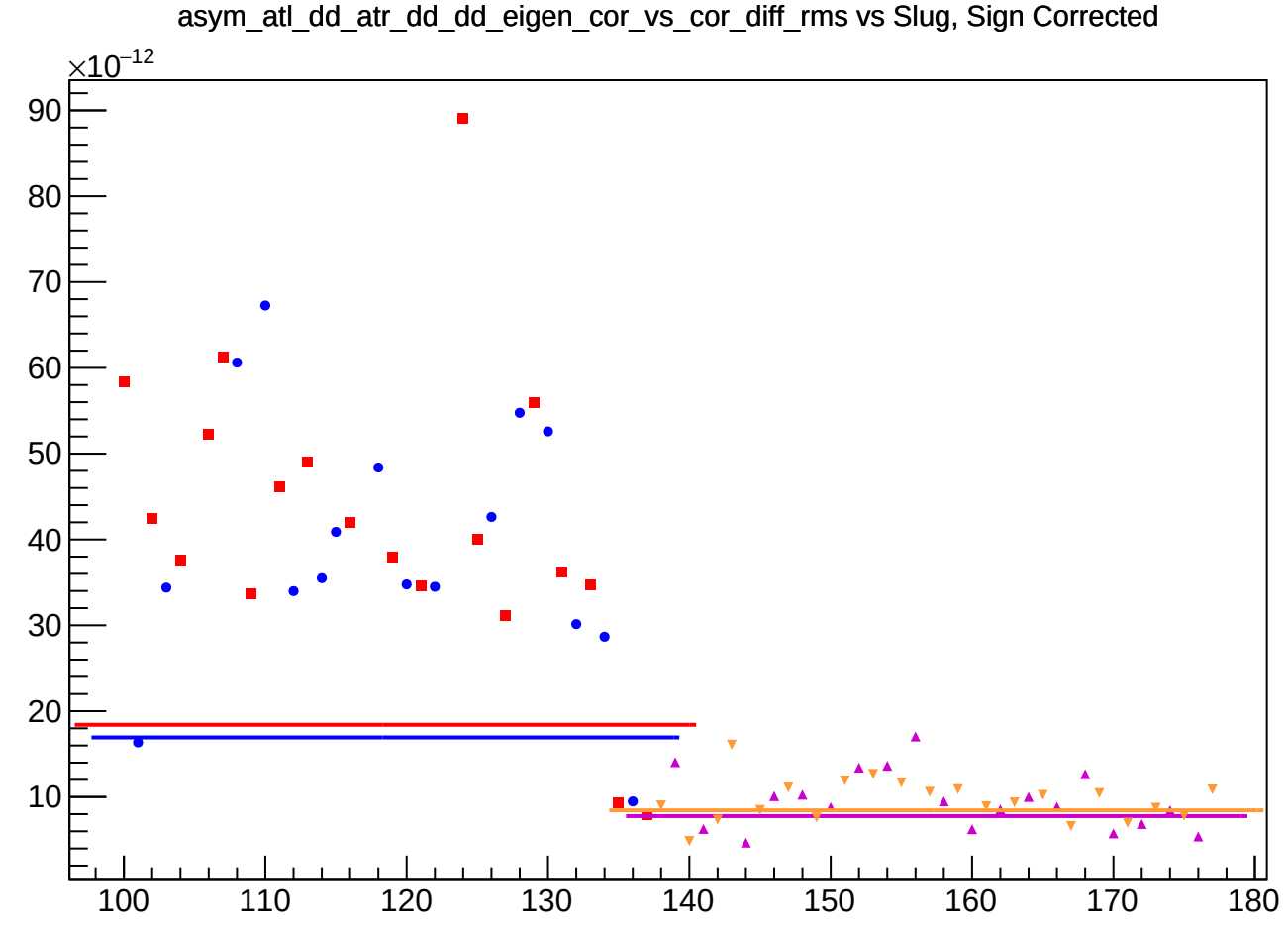
Left: -0.000+/-0.000 χ^2/NDF: 37.4/39

Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:26.3/34

Out: -0.000+/-0.000 χ^2/NDF:51.2/39

All: -0.000+/-0.000 χ^2/NDF: 77.5/74



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1519115.7/20

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2280603.8/18

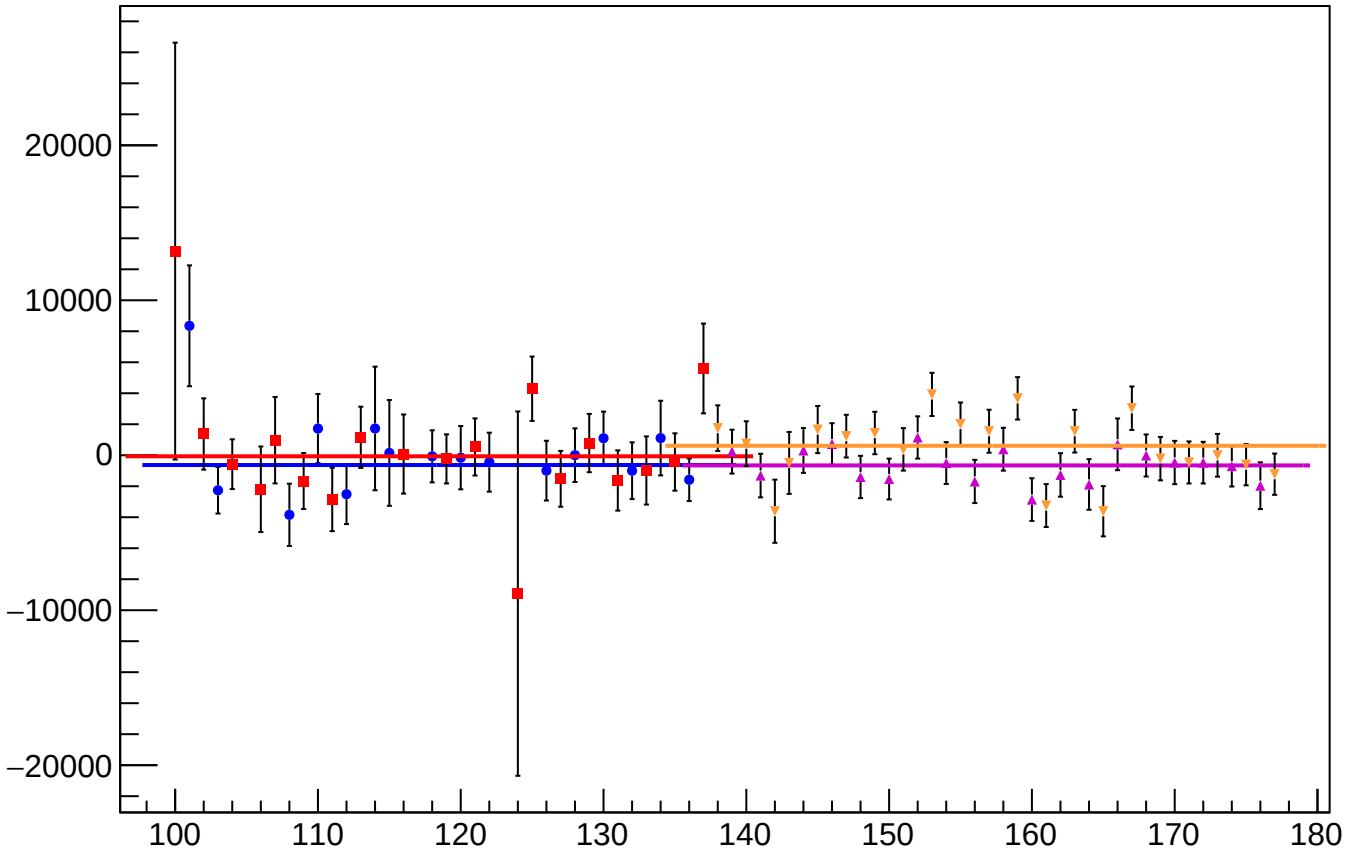
Left: 0.000+/-0.000 χ^2/NDF: 3864481.3/39

Right: 0.000+/-0.000 χ^2/NDF: 6902390.3/34

In: 0.000+/-0.000 χ^2/NDF:7088159.4/34

Out: 0.000+/-0.000 χ^2/NDF:6731817.2/39

All: 0.000+/-0.000 χ^2/NDF: 13880588.3/74



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 610.349+/-313.353 χ^2/NDF:40.3/20

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -656.785+/-321.523 χ^2/NDF:10.7/18

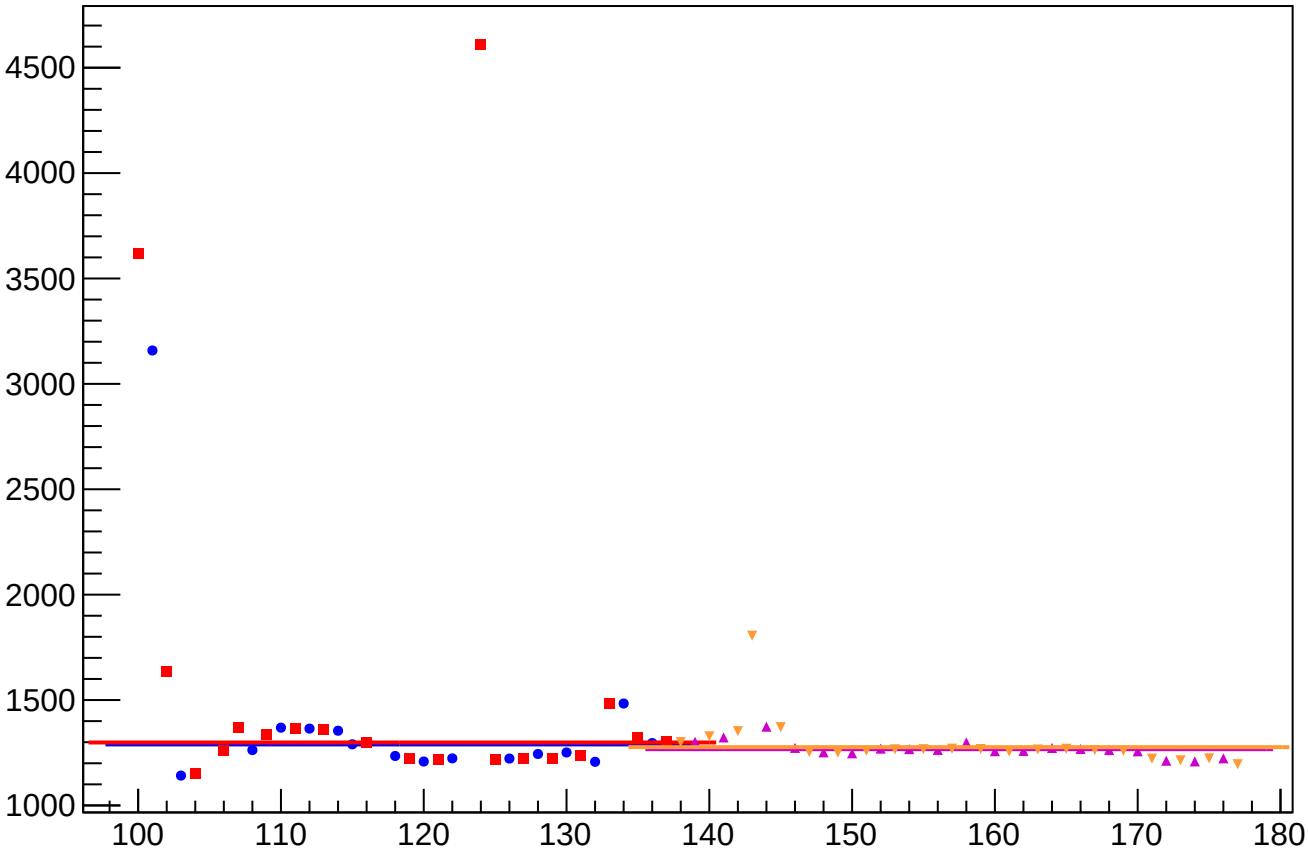
Left: -6.916+/-224.407 χ^2/NDF: 59.1/39

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -649.007+/-268.597 χ^2/NDF:24.7/34

Out: 412.277+/-263.637 χ^2/NDF:57.6/39

All: -108.476+/-188.149 χ^2/NDF: 90.2/74



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1276.484+/-0.222 χ^2/NDF:174631.6/20

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1266.984+/-0.227 χ^2/NDF:26252.5/18

Left: 1271.856+/-0.159 χ^2/NDF: 201779.7/39

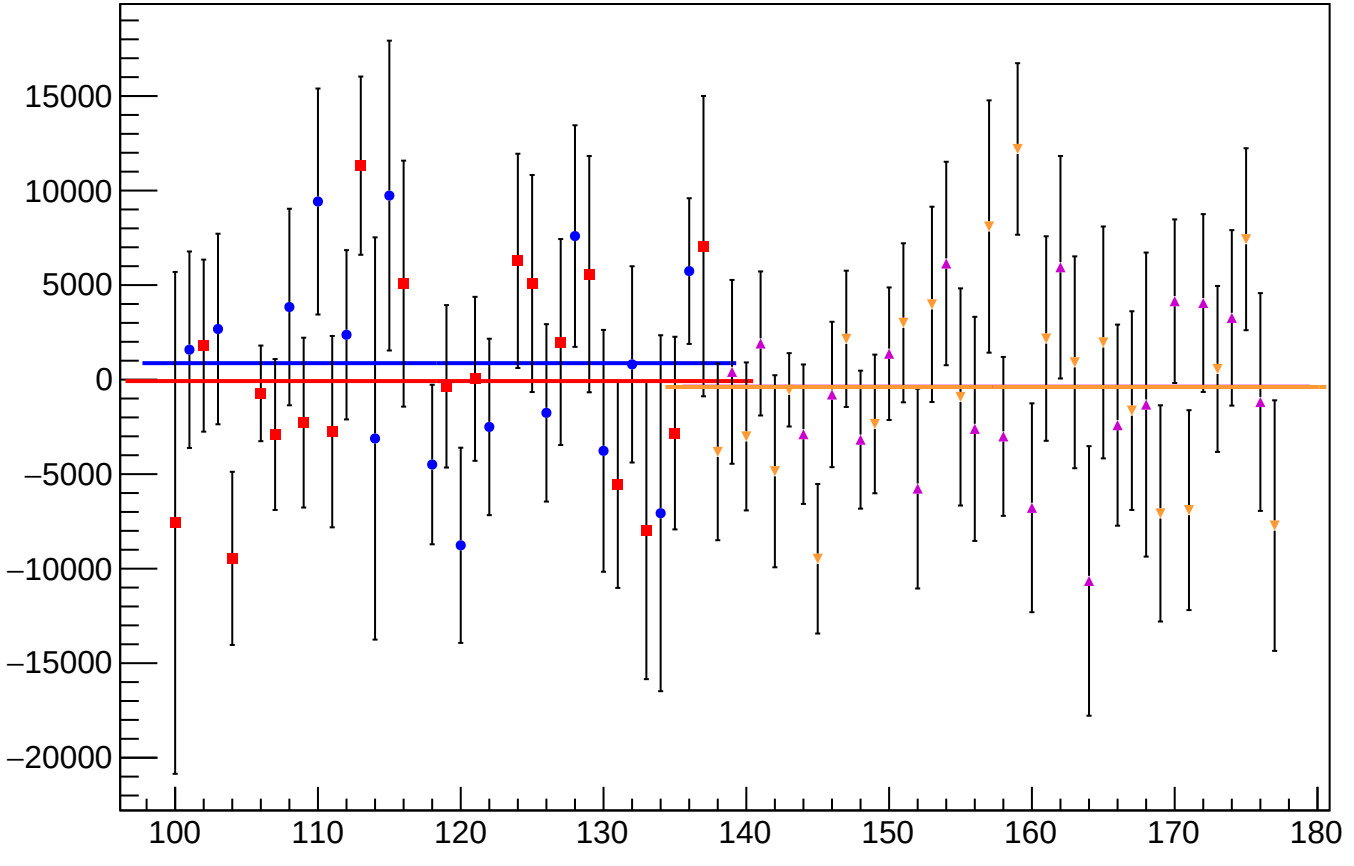
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1273.776+/-0.190 χ^2/NDF:543882.0/34

Out: 1282.986+/-0.186 χ^2/NDF:496942.5/39

All: 1278.470+/-0.133 χ^2/NDF: 1042022.9/74

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: -389.734+/-936.900 χ^2/NDF:25.8/20

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -374.536+/-1071.133 χ^2/NDF:12.1/18

Left: -383.146+/-705.201 χ^2/NDF: 37.9/39

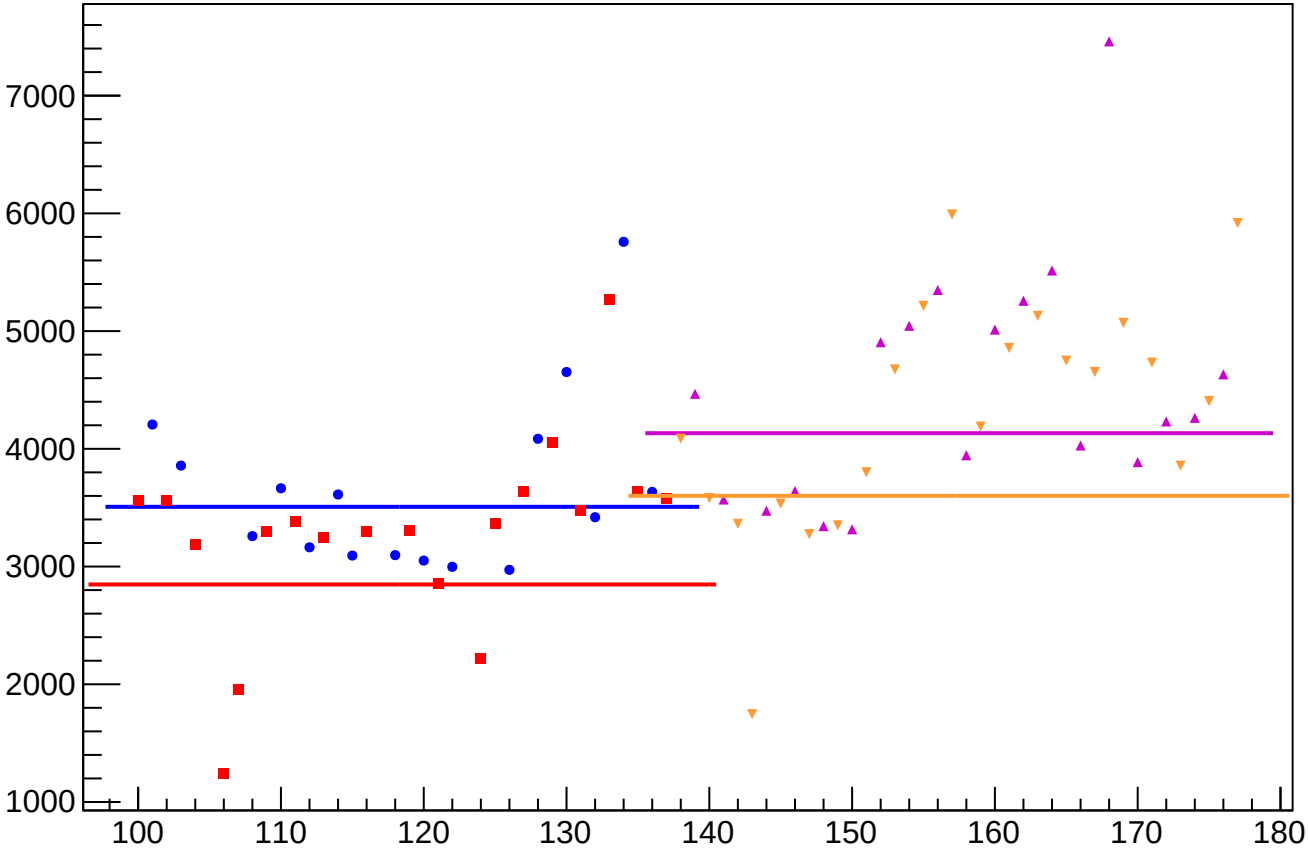
Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: 117.330+/-833.058 χ^2/NDF:26.6/34

Out: -259.908+/-716.246 χ^2/NDF:44.2/39

All: -99.570+/-543.106 χ^2/NDF: 71.0/74

asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3600.663+/-0.662 χ^2/NDF:3357722.6/20

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4132.820+/-0.757 χ^2/NDF:1106305.7/18

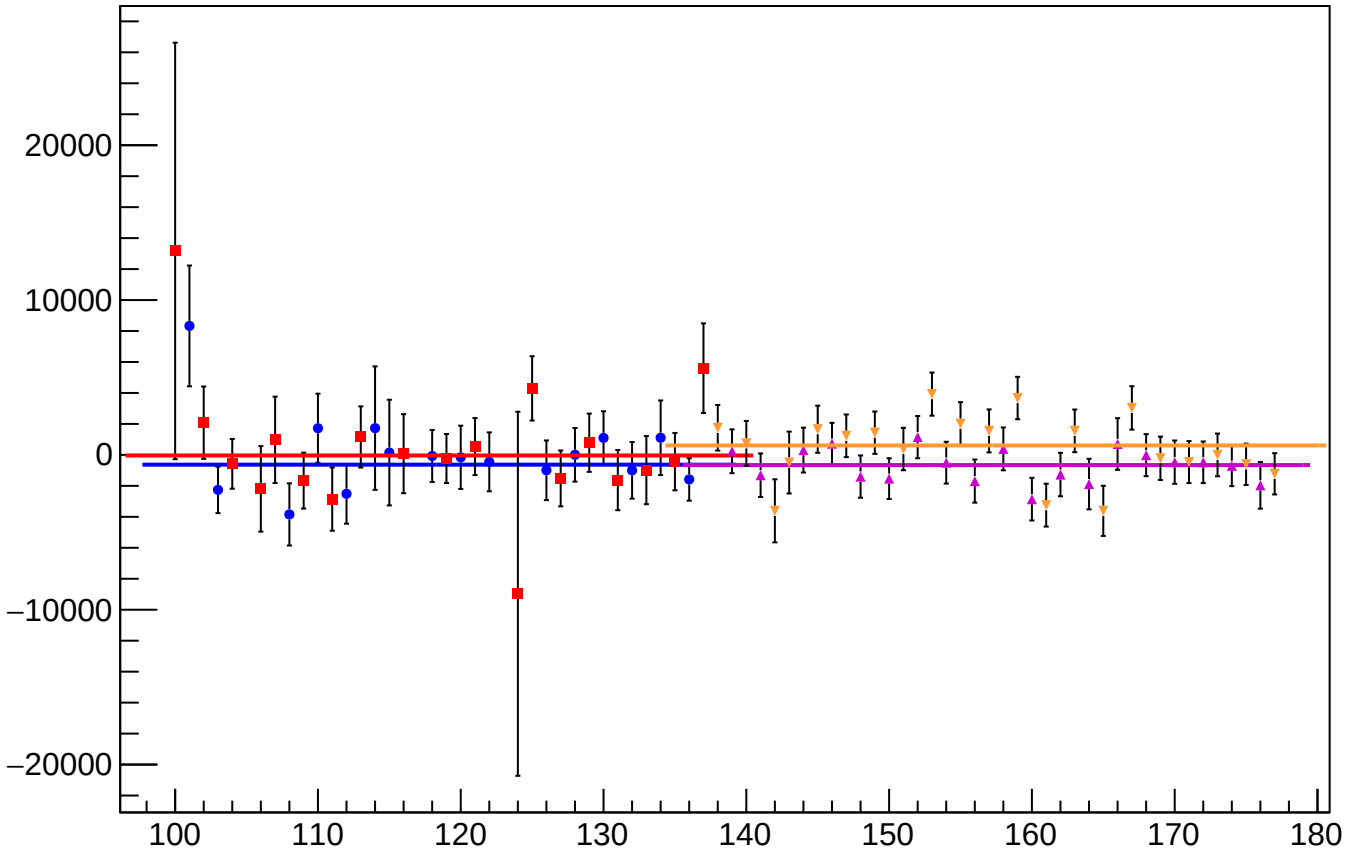
Left: 3831.326+/-0.499 χ^2/NDF: 4743708.6/39

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3885.699+/-0.589 χ^2/NDF:1729703.7/34

Out: 3287.814+/-0.506 χ^2/NDF:5393726.4/39

All: 3541.932+/-0.384 χ^2/NDF: 7715754.6/74



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 610.374+/-313.353 χ^2/NDF:40.3/20

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -656.732+/-321.523 χ^2/NDF:10.7/18

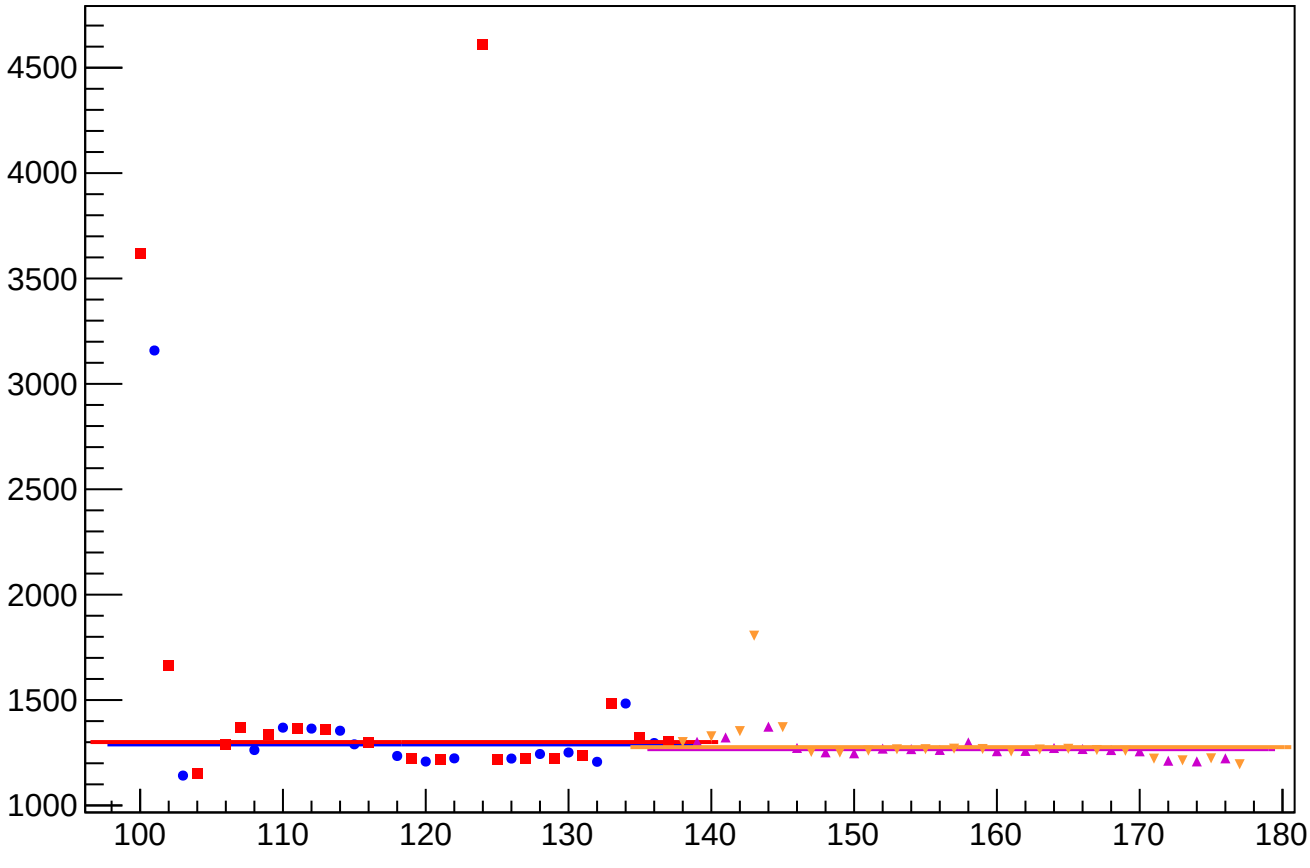
Left: -6.877+/-224.407 χ^2/NDF: 59.1/39

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -649.086+/-268.597 χ^2/NDF:24.6/34

Out: 420.950+/-263.688 χ^2/NDF:57.9/39

All: -104.201+/-188.167 χ^2/NDF: 90.6/74



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1276.484+/-0.222 χ^2/NDF:174631.6/20

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1266.984+/-0.227 χ^2/NDF:26252.5/18

Left: 1271.856+/-0.159 χ^2/NDF: 201779.7/39

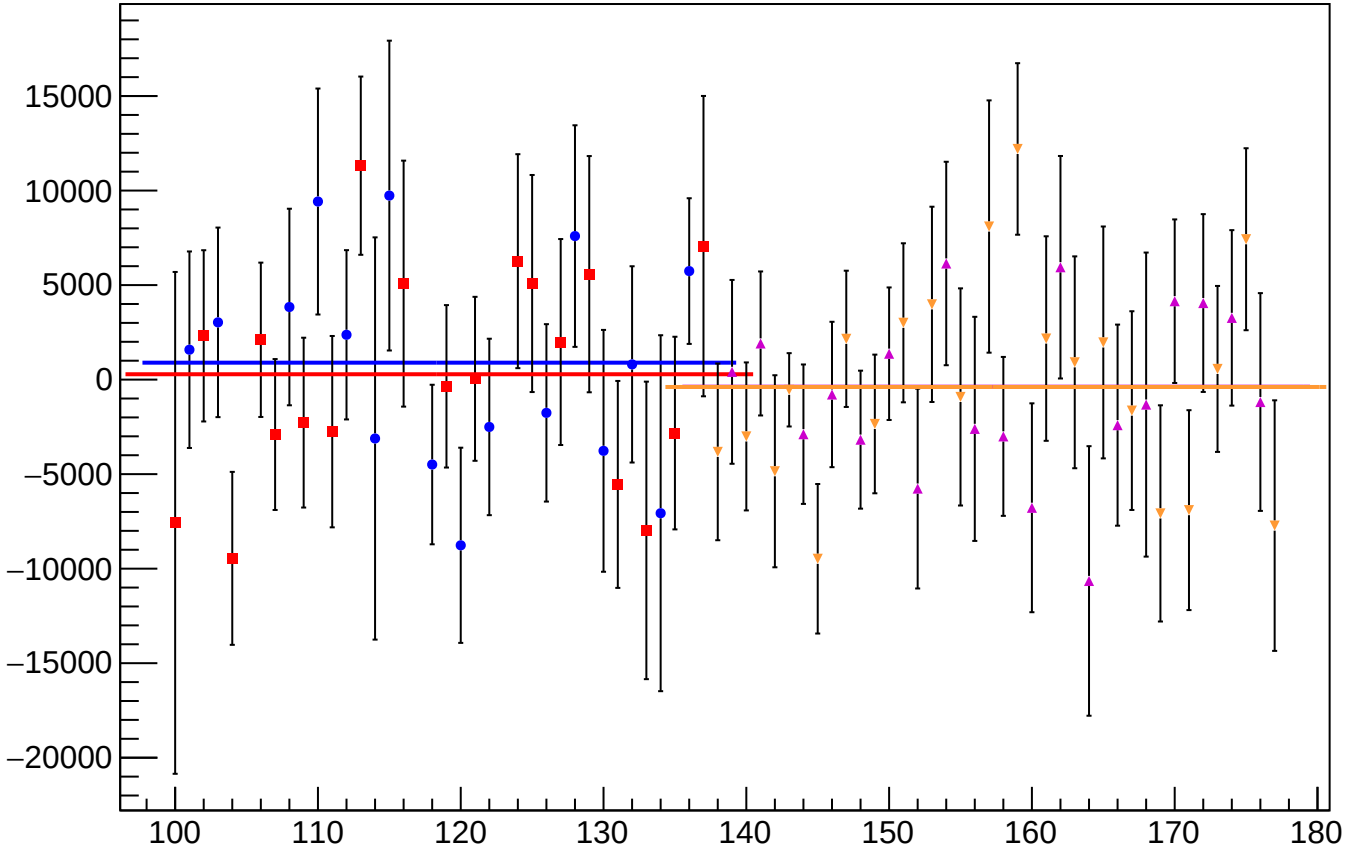
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1273.776+/-0.190 χ^2/NDF:543883.4/34

Out: 1283.566+/-0.186 χ^2/NDF:504030.0/39

All: 1278.764+/-0.133 χ^2/NDF: 1049267.1/74

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: -389.670+/-936.899 χ^2/NDF:25.8/20

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -374.550+/-1071.131 χ^2/NDF:12.1/18

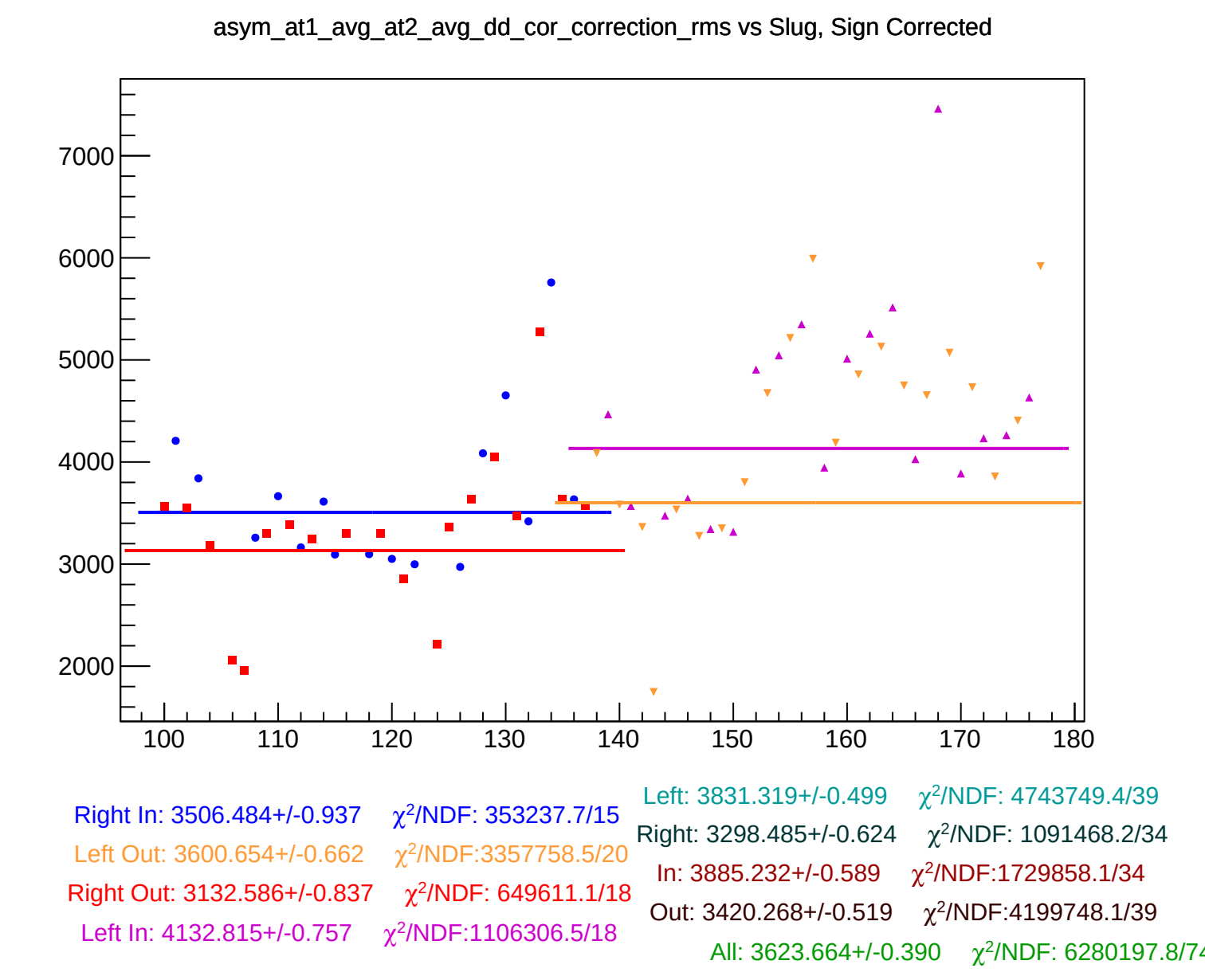
Left: -383.116+/-705.199 χ^2/NDF: 37.9/39

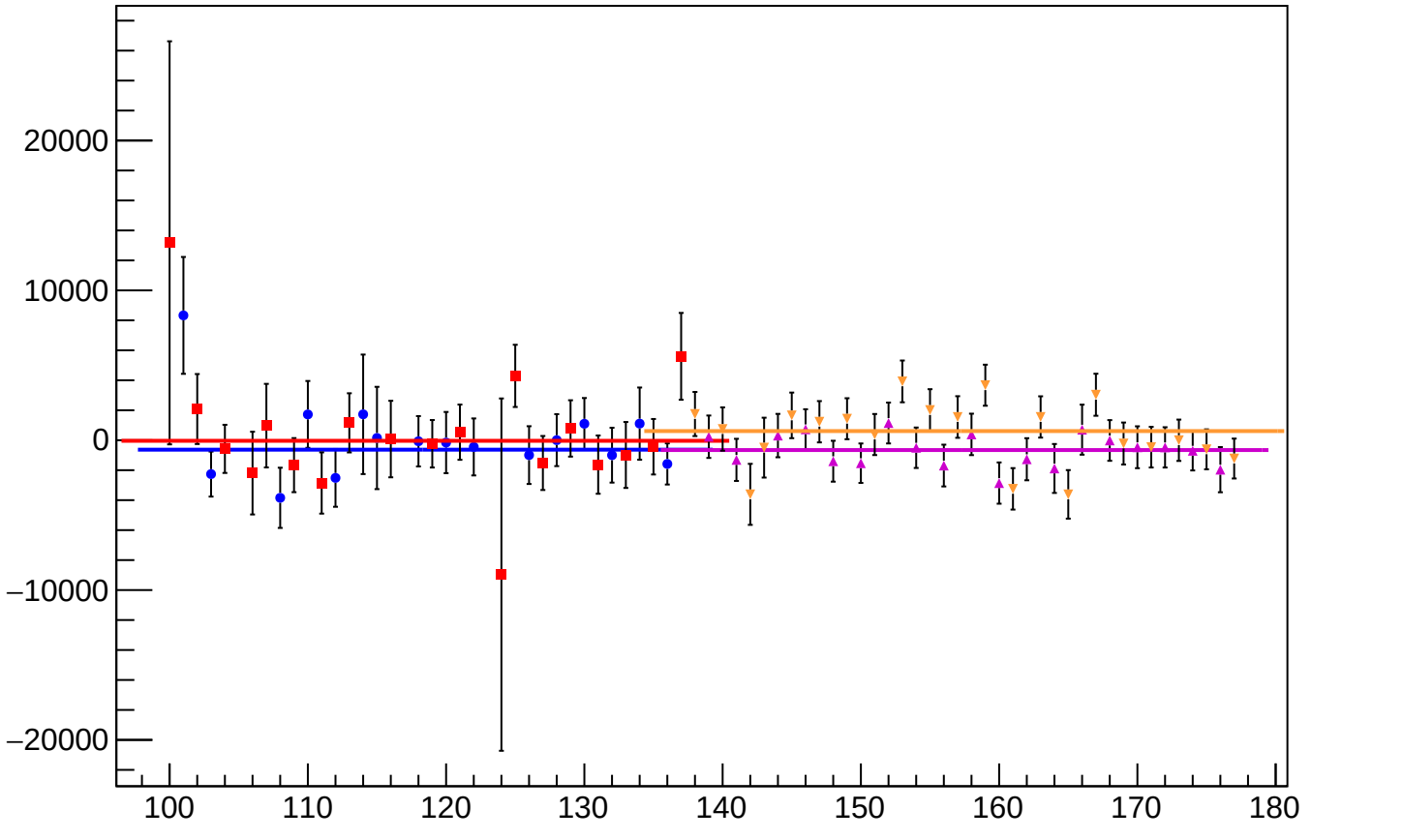
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 127.693+/-832.945 χ^2/NDF:26.7/34

Out: -130.063+/-734.505 χ^2/NDF:44.6/39

All: -17.309+/-550.906 χ^2/NDF: 71.4/74


asym_at1_avg_at2_avg_dd_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: 3600.654+/-0.662 χ²/NDF:3357758.5/20
Right Out: 3132.586+/-0.837 χ²/NDF: 649611.1/18
Left In: 4132.815+/-0.757 χ²/NDF:1106306.5/18
Left: 3831.319+/-0.499 χ²/NDF: 4743749.4/39
Right: 3298.485+/-0.624 χ²/NDF: 1091468.2/34
In: 3885.232+/-0.589 χ²/NDF:1729858.1/34
Out: 3420.268+/-0.519 χ²/NDF:4199748.1/39
All: 3623.664+/-0.390 χ²/NDF: 6280197.8/74



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 610.374+/-313.353 χ^2/NDF:40.3/20

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -656.732+/-321.523 χ^2/NDF:10.7/18

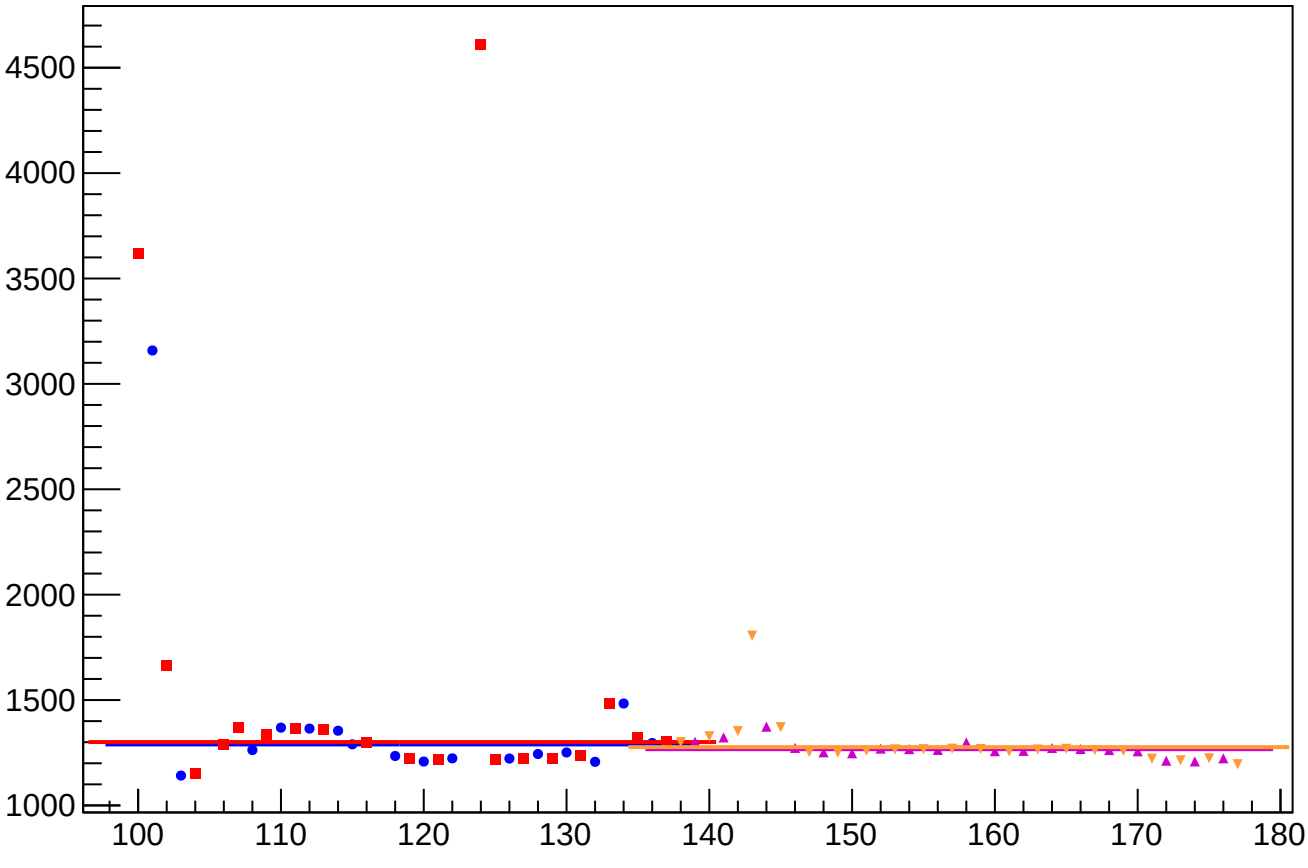
Left: -6.877+/-224.407 χ^2/NDF: 59.1/39

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -649.086+/-268.597 χ^2/NDF:24.6/34

Out: 420.950+/-263.688 χ^2/NDF:57.9/39

All: -104.201+/-188.167 χ^2/NDF: 90.6/74



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1276.484+/-0.222 χ^2/NDF:174631.6/20

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1266.984+/-0.227 χ^2/NDF:26252.5/18

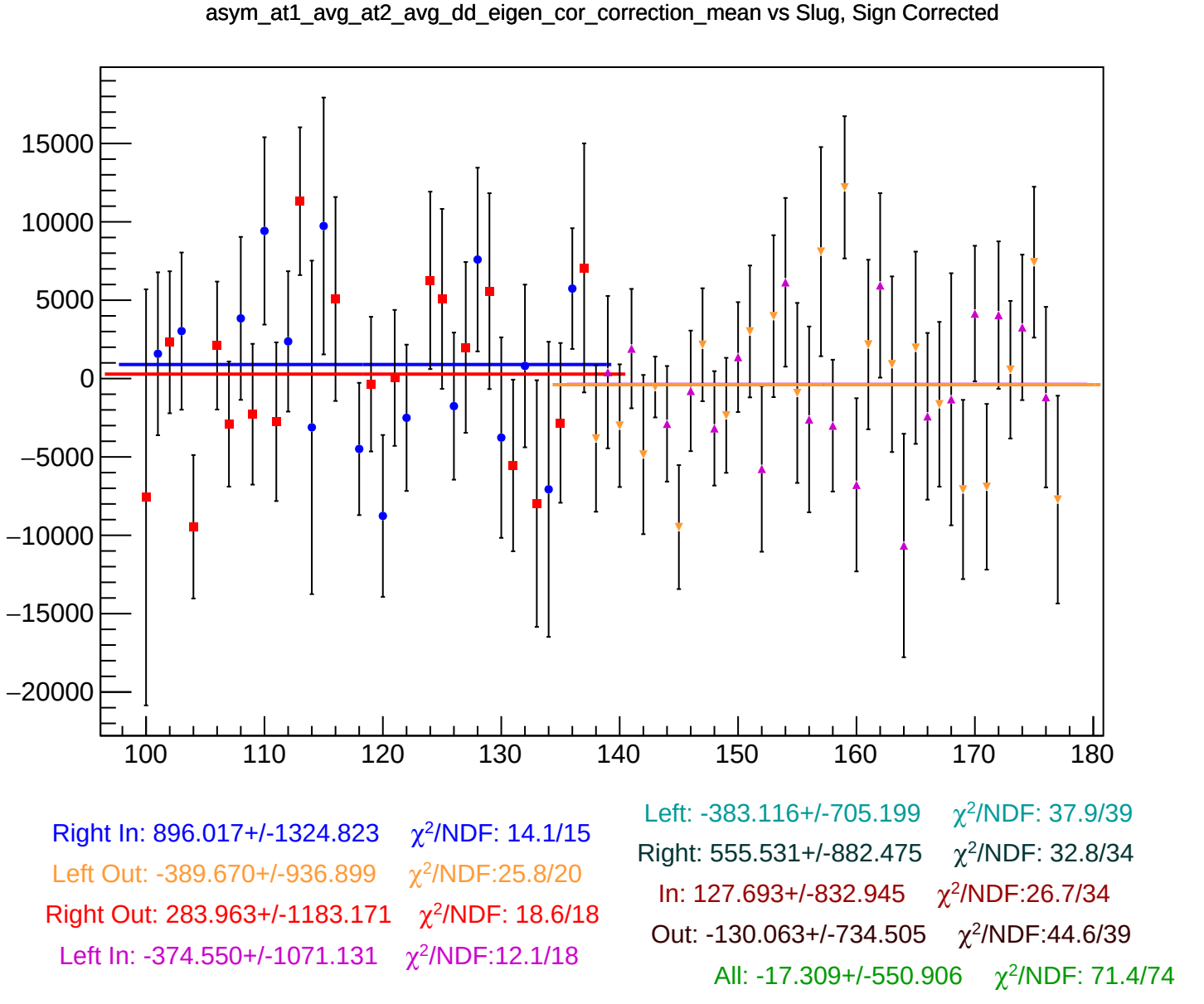
Left: 1271.856+/-0.159 χ^2/NDF: 201779.7/39

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1273.776+/-0.190 χ^2/NDF:543883.4/34

Out: 1283.566+/-0.186 χ^2/NDF:504030.0/39

All: 1278.764+/-0.133 χ^2/NDF: 1049267.1/74


asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
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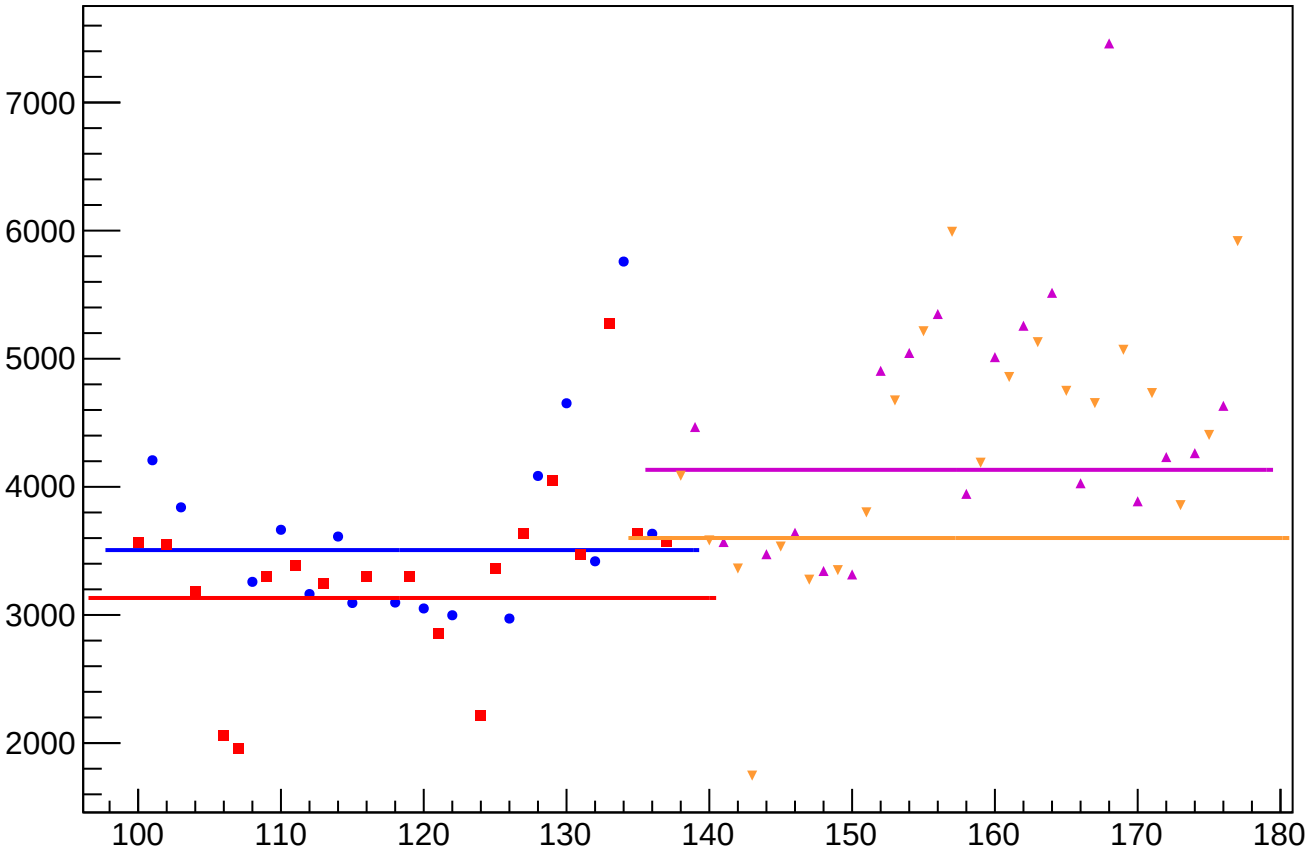
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -389.670+/-936.899 χ²/NDF:25.8/20
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -374.550+/-1071.131 χ²/NDF:12.1/18
Left: -383.116+/-705.199 χ²/NDF: 37.9/39
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 127.693+/-832.945 χ²/NDF:26.7/34
Out: -130.063+/-734.505 χ²/NDF:44.6/39
All: -17.309+/-550.906 χ²/NDF: 71.4/74



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3600.654+/-0.662 χ^2/NDF:3357758.5/20

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4132.815+/-0.757 χ^2/NDF:1106306.5/18

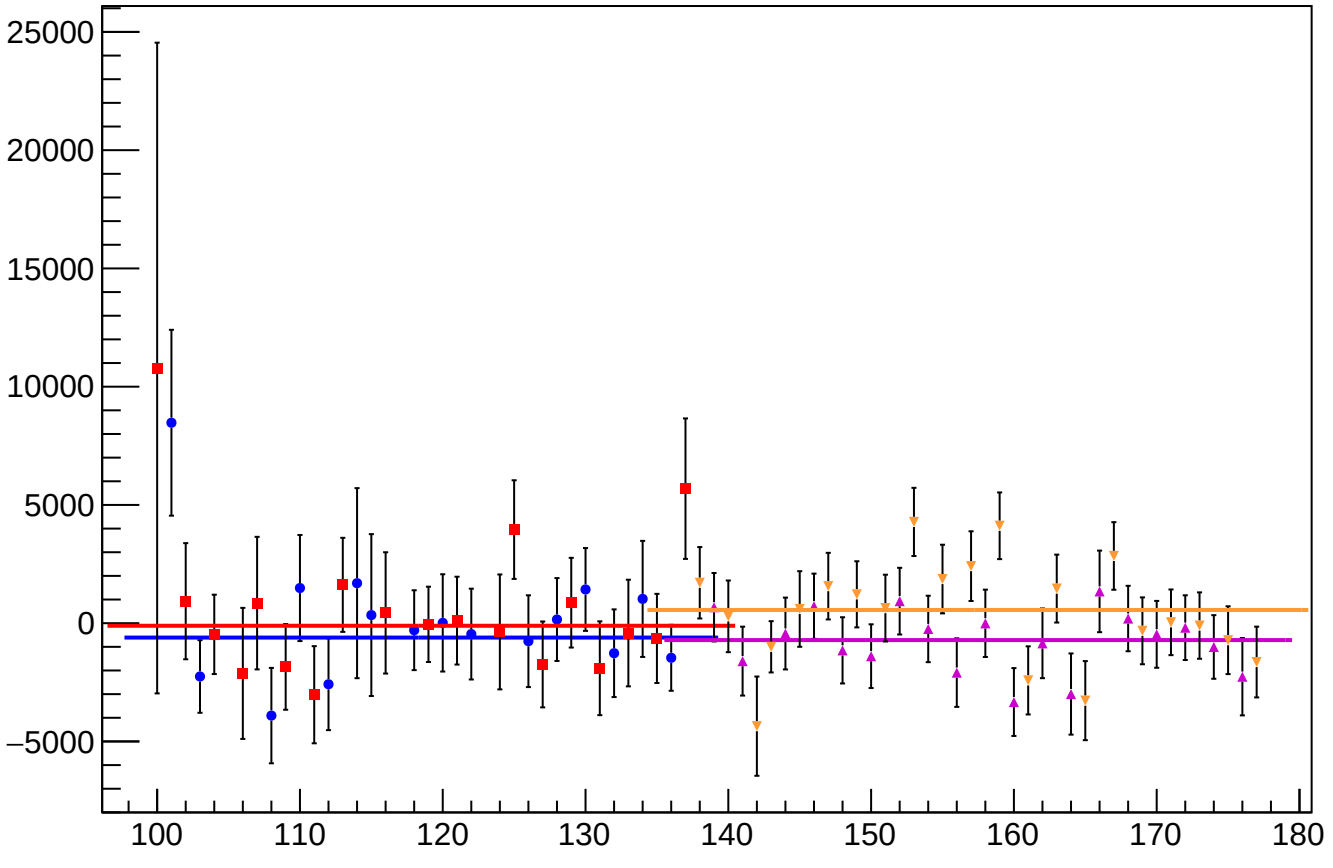
Left: 3831.319+/-0.499 χ^2/NDF: 4743749.4/39

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3885.232+/-0.589 χ^2/NDF:1729858.1/34

Out: 3420.268+/-0.519 χ^2/NDF:4199748.1/39

All: 3623.664+/-0.390 χ^2/NDF: 6280197.8/74



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 559.036+/-315.347 χ^2/NDF:40.5/20

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -714.051+/-332.363 χ^2/NDF:13.5/18

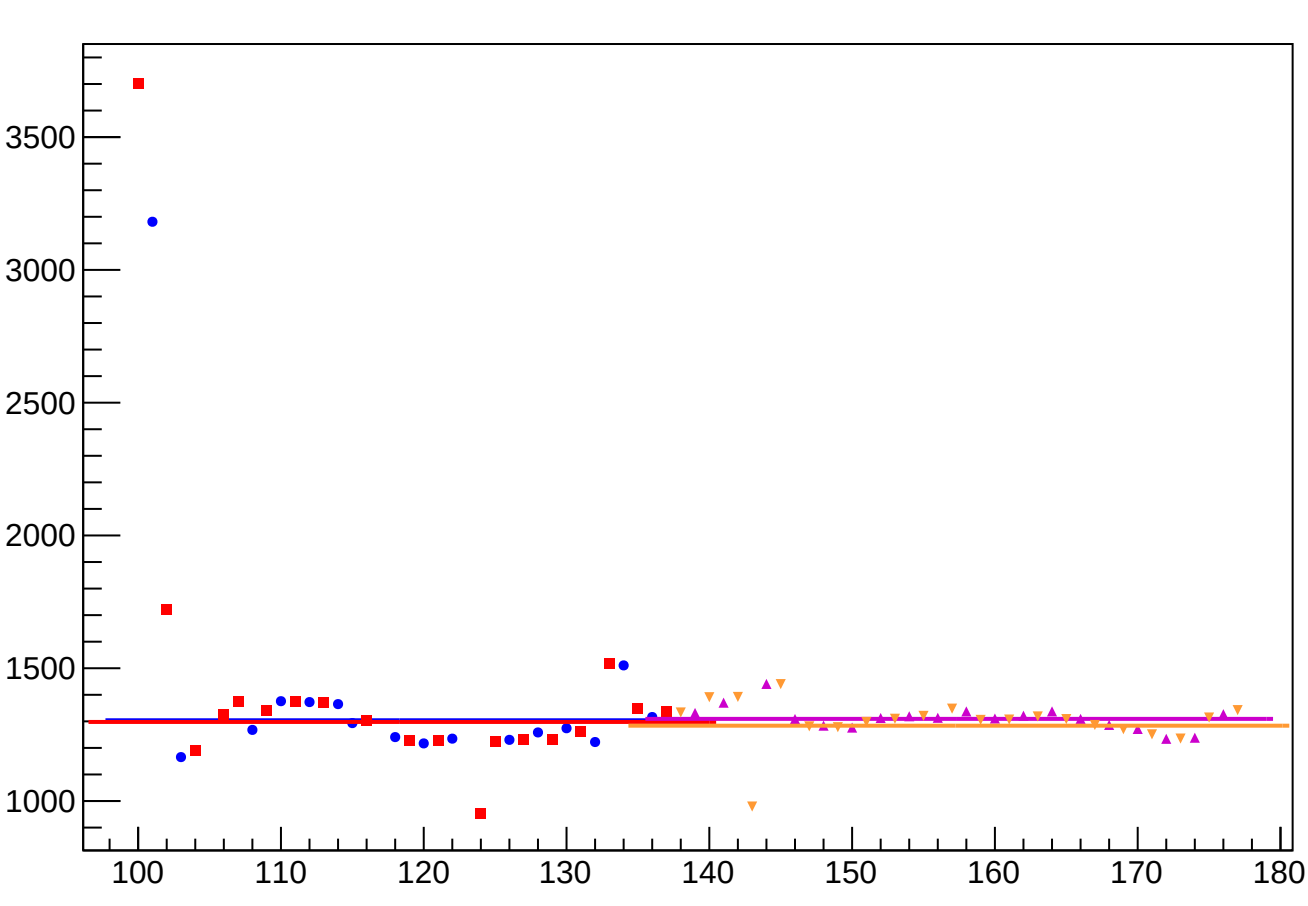
Left: -44.085+/-228.763 χ^2/NDF: 61.7/39

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -680.969+/-275.791 χ^2/NDF:27.6/34

Out: 360.968+/-264.466 χ^2/NDF:56.7/39

All: -138.168+/-190.884 χ^2/NDF: 91.8/74



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1283.699+/-0.223 χ^2/NDF:210710.5/20

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1309.347+/-0.235 χ^2/NDF:36214.4/18

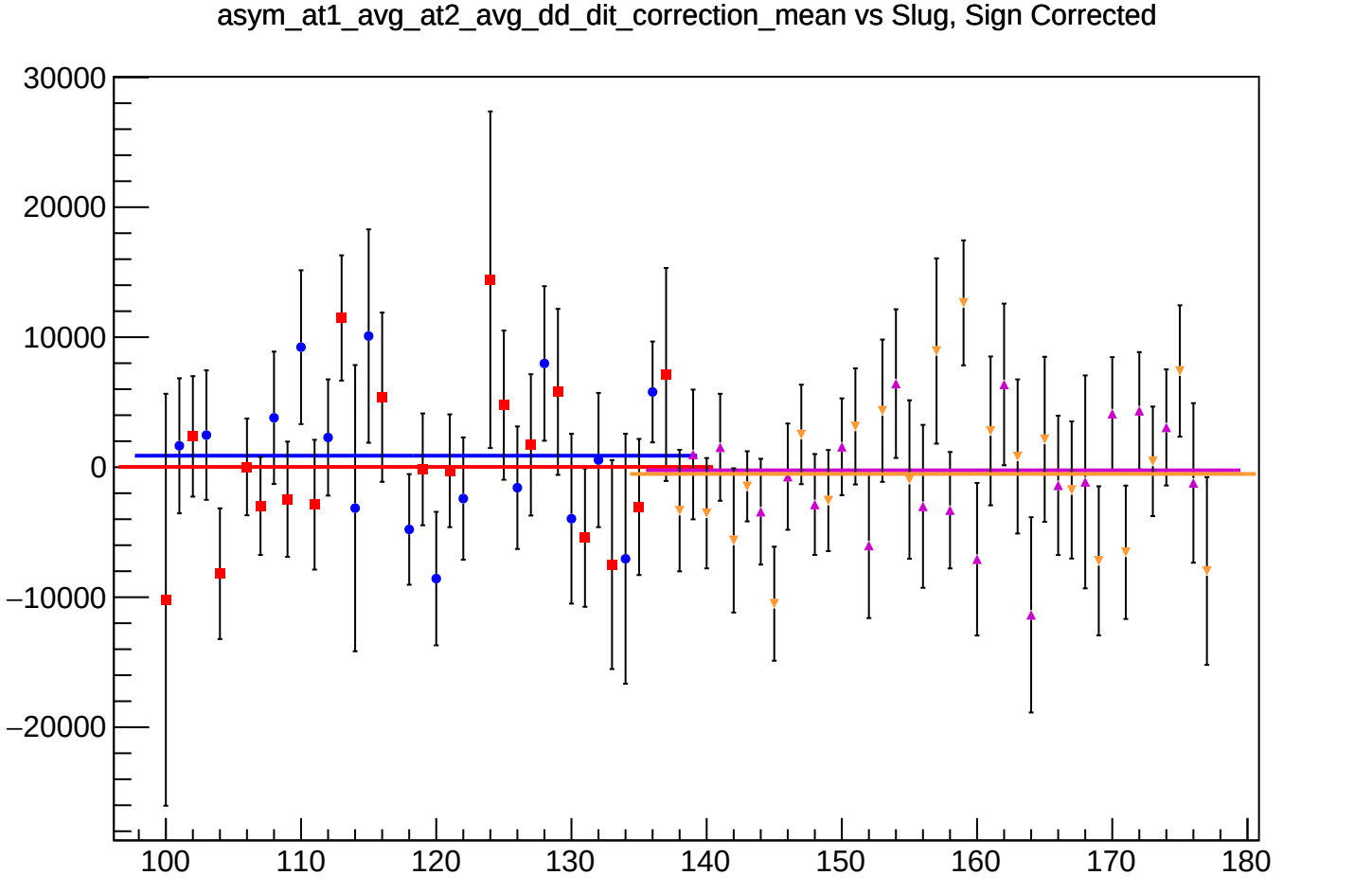
Left: 1295.849+/-0.162 χ^2/NDF: 253192.7/39

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1307.713+/-0.195 χ^2/NDF:546959.0/34

Out: 1287.885+/-0.187 χ^2/NDF:424994.4/39

All: 1297.382+/-0.135 χ^2/NDF: 977340.1/74



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -517.647+/-1034.802 χ^2/NDF:25.6/20

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -239.932+/-1120.053 χ^2/NDF:12.0/18

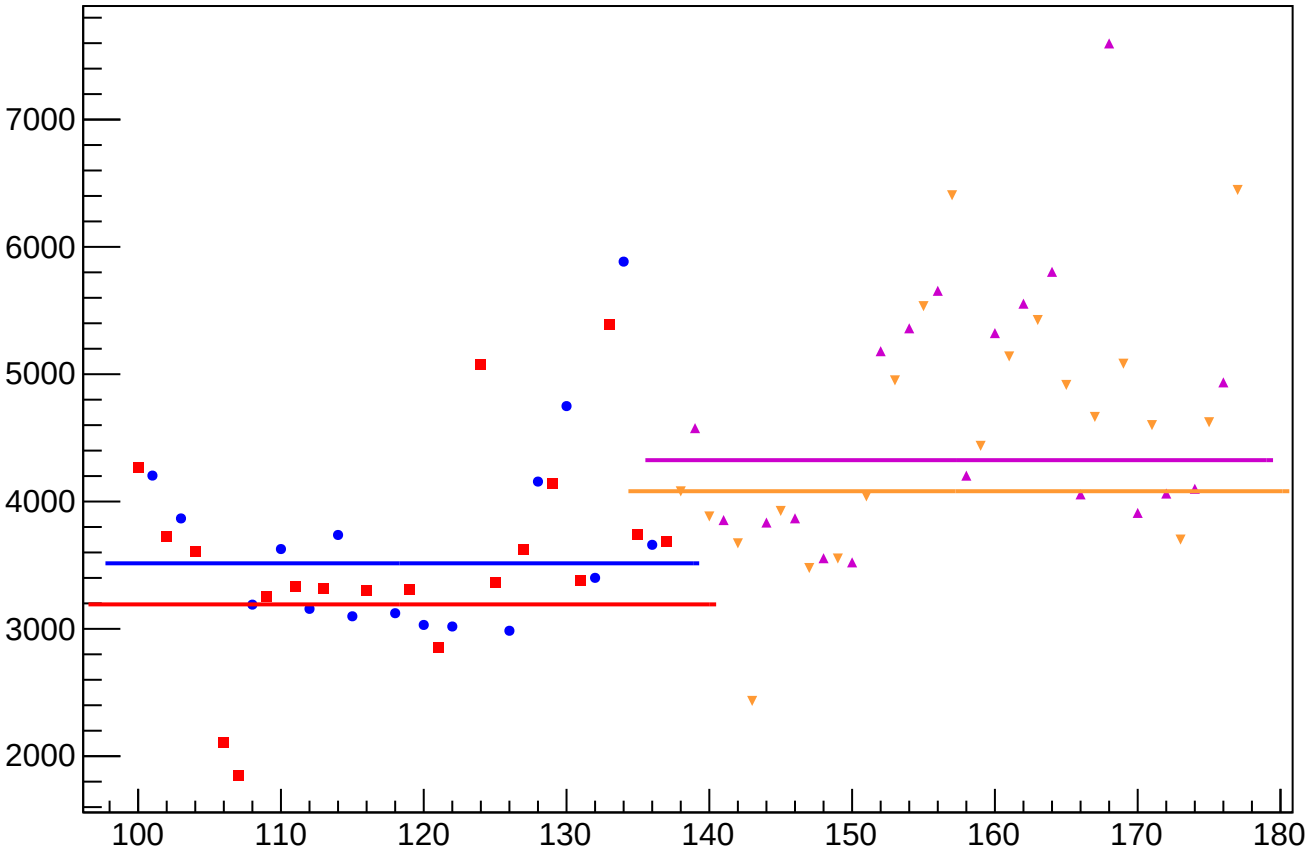
Left: -389.759+/-760.070 χ^2/NDF: 37.6/39

Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 227.518+/-856.028 χ^2/NDF:26.5/34

Out: -288.063+/-783.671 χ^2/NDF:42.5/39

All: -52.980+/-578.030 χ^2/NDF: 69.3/74


asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug, Sign Corrected
7000
6000
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2000
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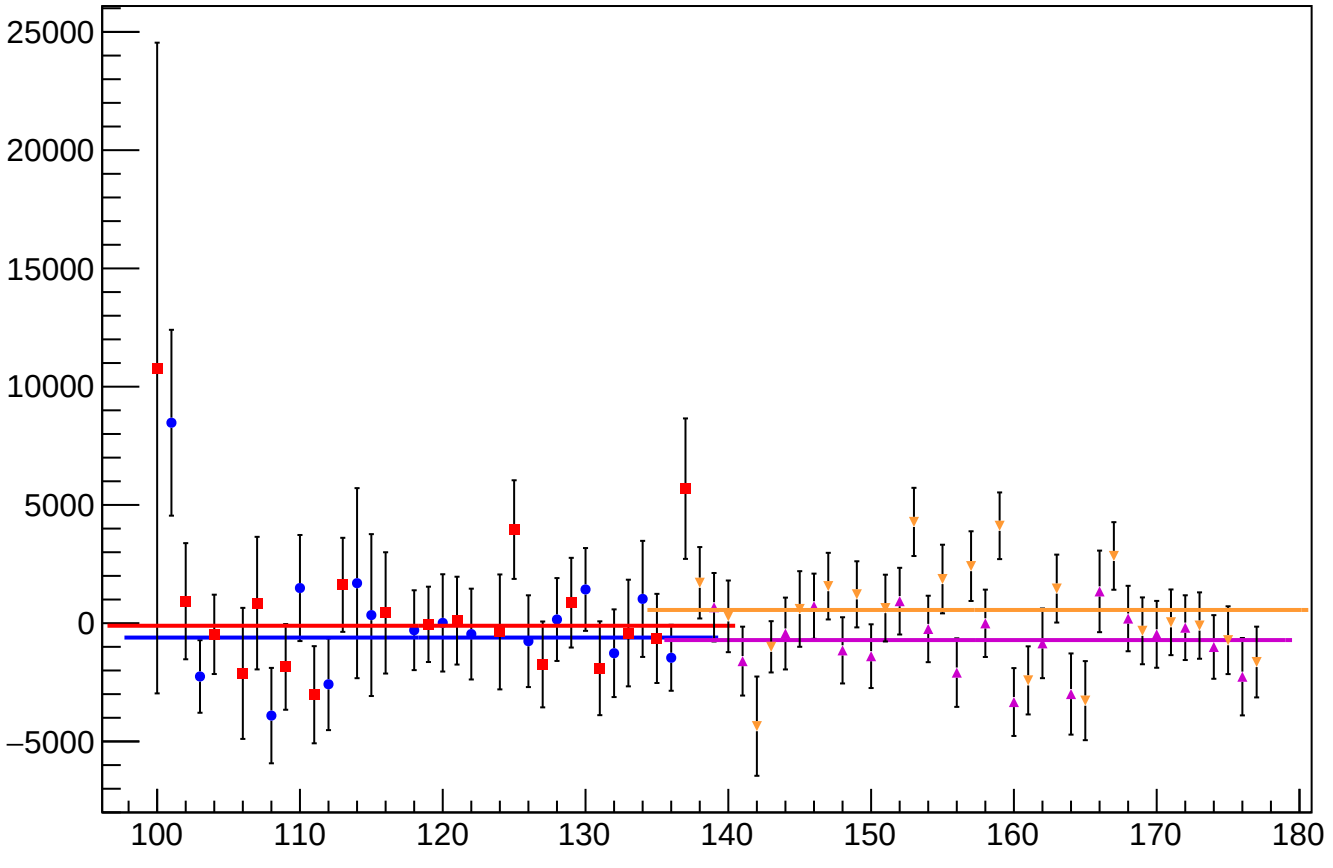
110
120
130
140
150
160
170
180
Right In: 3514.746+/-0.939 χ²/NDF: 375078.6/15
Left Out: 4081.017+/-0.732 χ²/NDF:1803960.9/20
Right Out: 3192.203+/-0.849 χ²/NDF: 772495.7/18
Left In: 4324.914+/-0.792 χ²/NDF:1048985.0/18
Left: 4193.331+/-0.537 χ²/NDF: 2904108.9/39
Right: 3337.259+/-0.629 χ²/NDF: 1212554.2/34
In: 3987.977+/-0.605 χ²/NDF:1859250.4/34
Out: 3701.960+/-0.554 χ²/NDF:3205716.7/39
All: 3832.372+/-0.409 χ²/NDF: 5186437.6/74



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 559.039+/-315.347 χ^2/NDF:40.5/20

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -714.052+/-332.363 χ^2/NDF:13.5/18

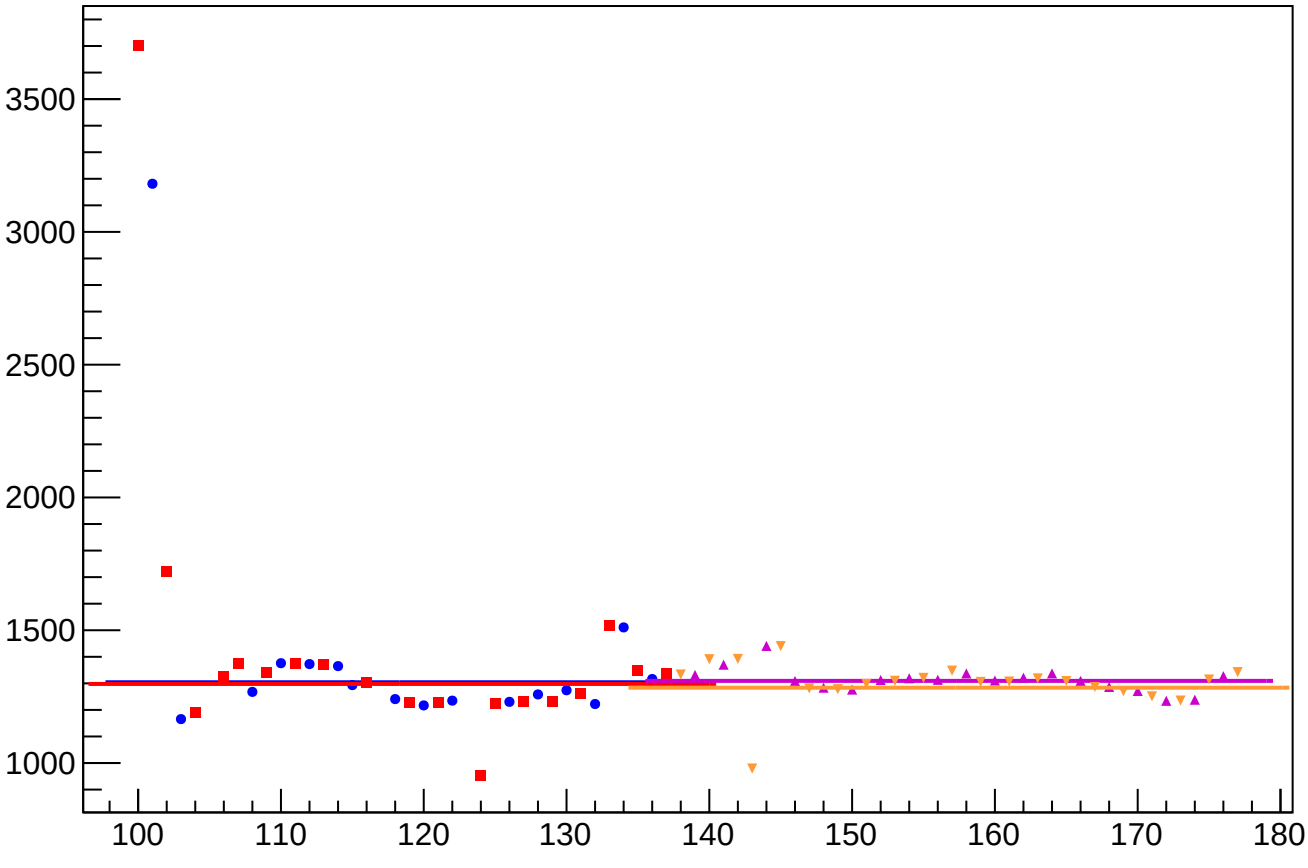
Left: -44.084+/-228.763 χ^2/NDF: 61.7/39

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -680.970+/-275.791 χ^2/NDF:27.6/34

Out: 360.968+/-264.466 χ^2/NDF:56.7/39

All: -138.169+/-190.884 χ^2/NDF: 91.8/74



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1283.700+/-0.223 χ^2/NDF:210712.2/20

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1309.348+/-0.235 χ^2/NDF:36215.6/18

Left: 1295.850+/-0.162 χ^2/NDF: 253195.5/39

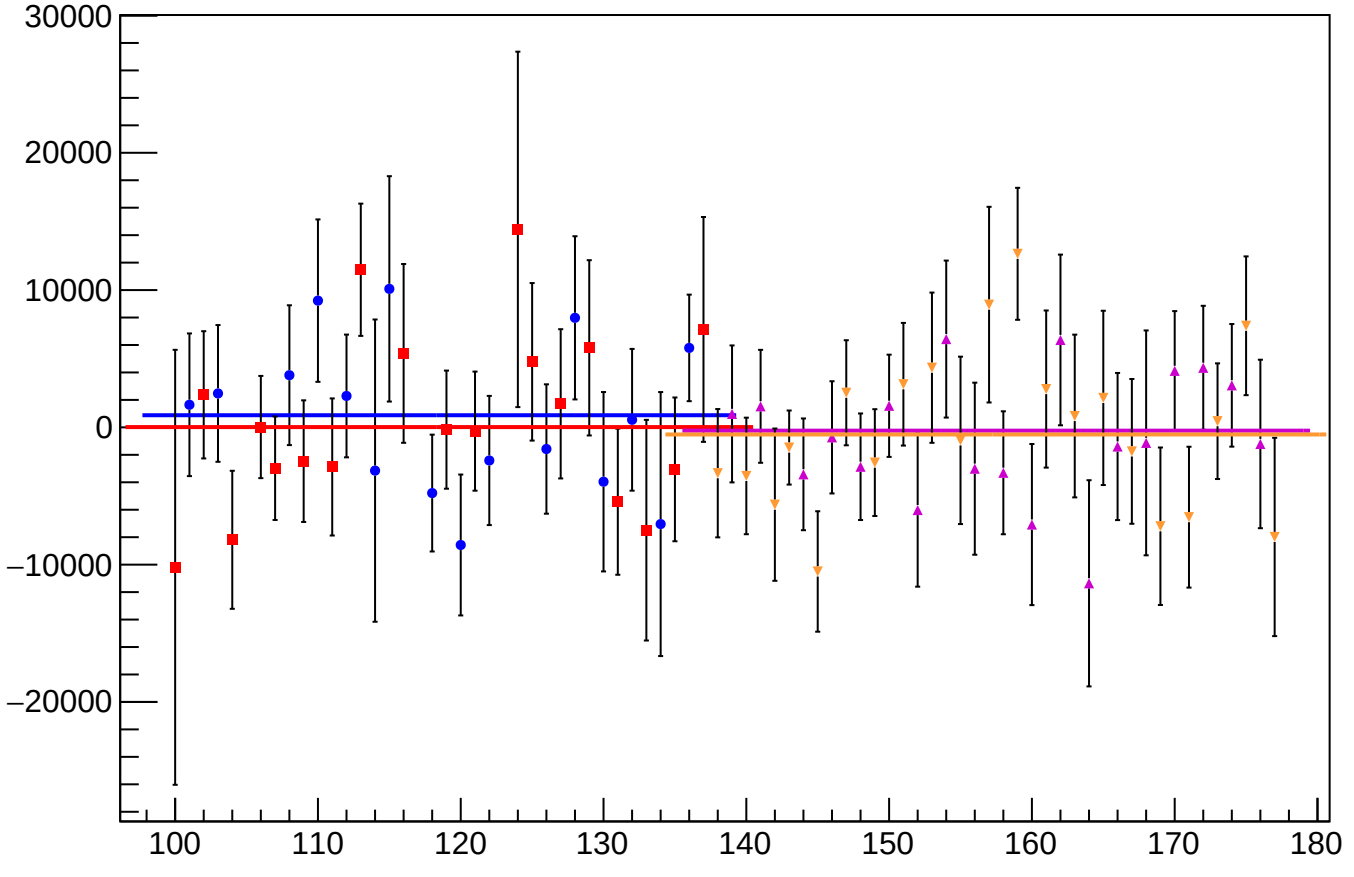
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1307.714+/-0.195 χ^2/NDF:546960.3/34

Out: 1287.886+/-0.187 χ^2/NDF:424996.0/39

All: 1297.382+/-0.135 χ^2/NDF: 977343.1/74

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: -517.645+/-1034.804 χ^2/NDF:25.6/20

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -239.931+/-1120.055 χ^2/NDF:12.0/18

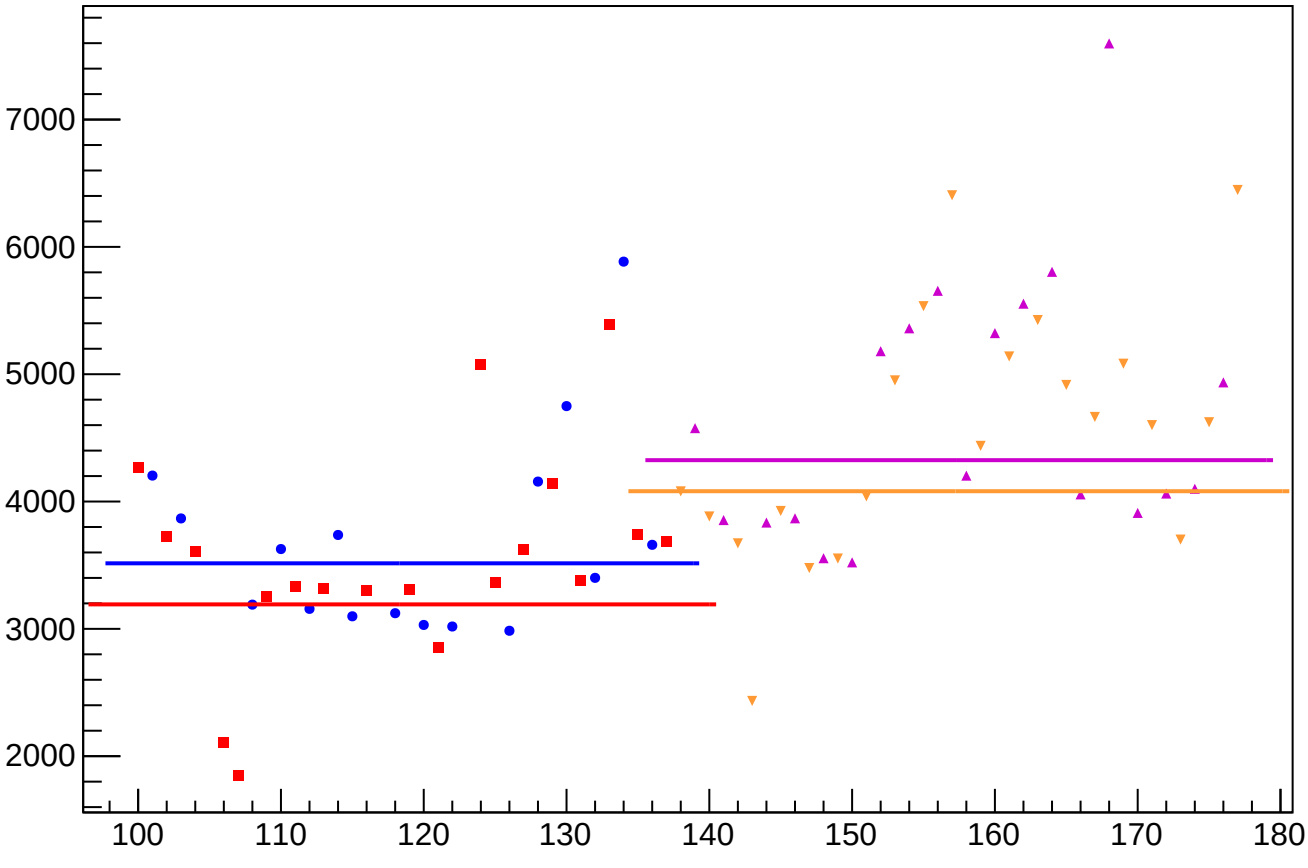
Left: -389.758+/-760.071 χ^2/NDF: 37.6/39

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 227.516+/-856.028 χ^2/NDF:26.5/34

Out: -288.063+/-783.670 χ^2/NDF:42.5/39

All: -52.981+/-578.029 χ^2/NDF: 69.3/74



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4081.023+/-0.732 χ^2/NDF:1803962.4/20

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4324.920+/-0.792 χ^2/NDF:1048987.2/18

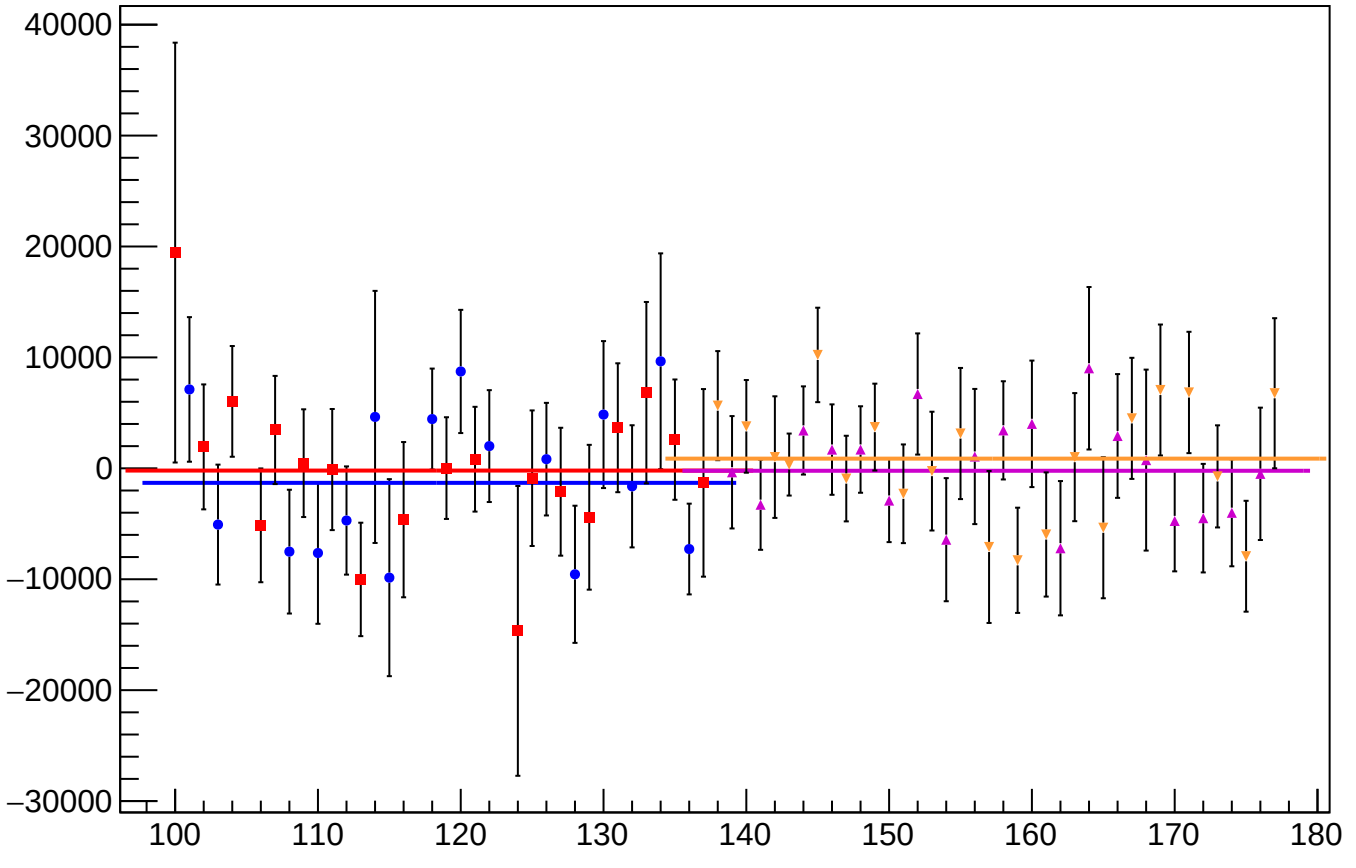
Left: 4193.338+/-0.537 χ^2/NDF: 2904112.5/39

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3987.975+/-0.605 χ^2/NDF:1859274.2/34

Out: 3701.959+/-0.554 χ^2/NDF:3205741.6/39

All: 3832.370+/-0.409 χ^2/NDF: 5186486.0/74



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 874.387+/-1043.434 χ^2/NDF:22.0/20

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: -220.440+/-1125.949 χ^2/NDF:12.1/18

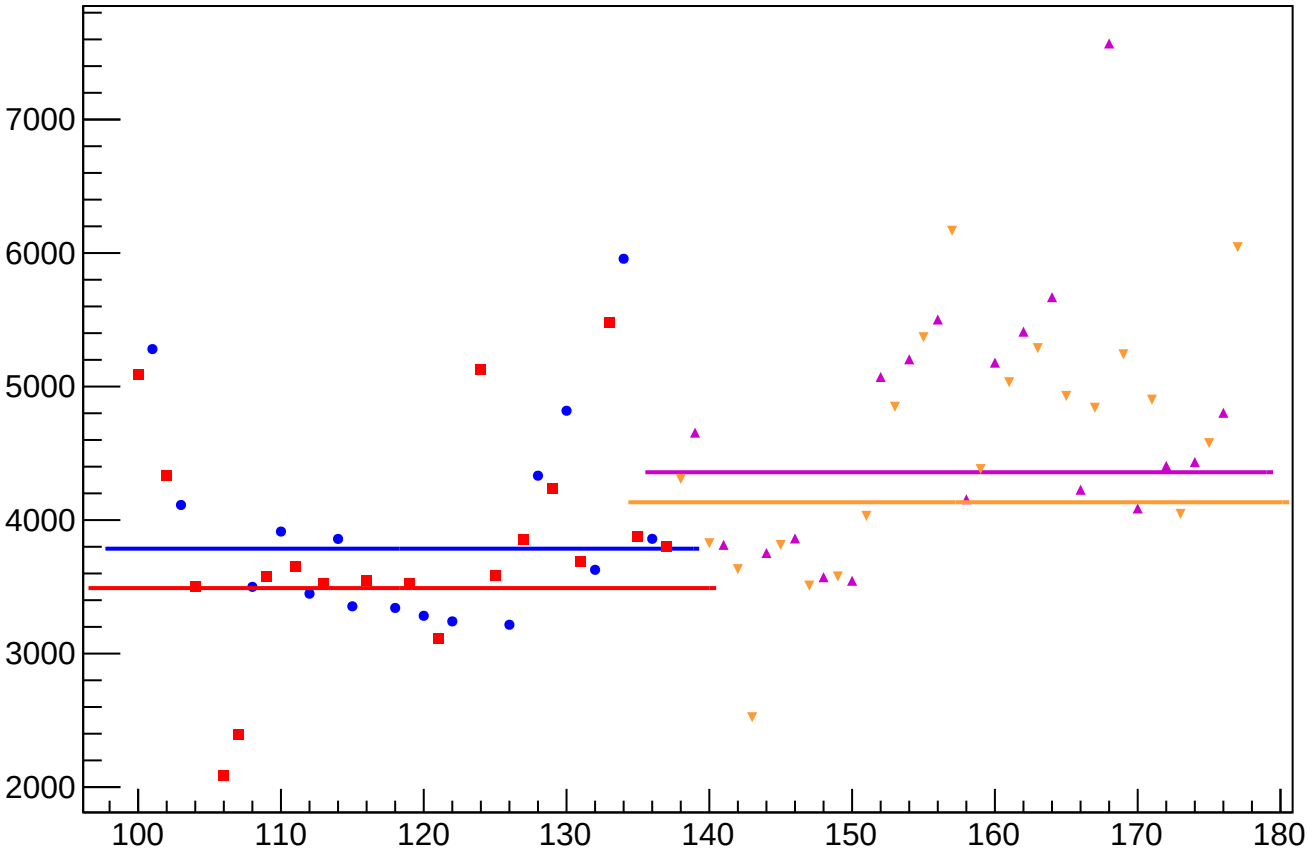
Left: 368.557+/-765.330 χ^2/NDF: 34.6/39

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -636.584+/-885.024 χ^2/NDF:30.1/34

Out: 466.749+/-822.360 χ^2/NDF:34.0/39

All: -44.478+/-602.433 χ^2/NDF: 64.9/74



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4133.516+/-0.738 χ^2/NDF:1585866.2/20

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4358.299+/-0.796 χ^2/NDF:945027.1/18

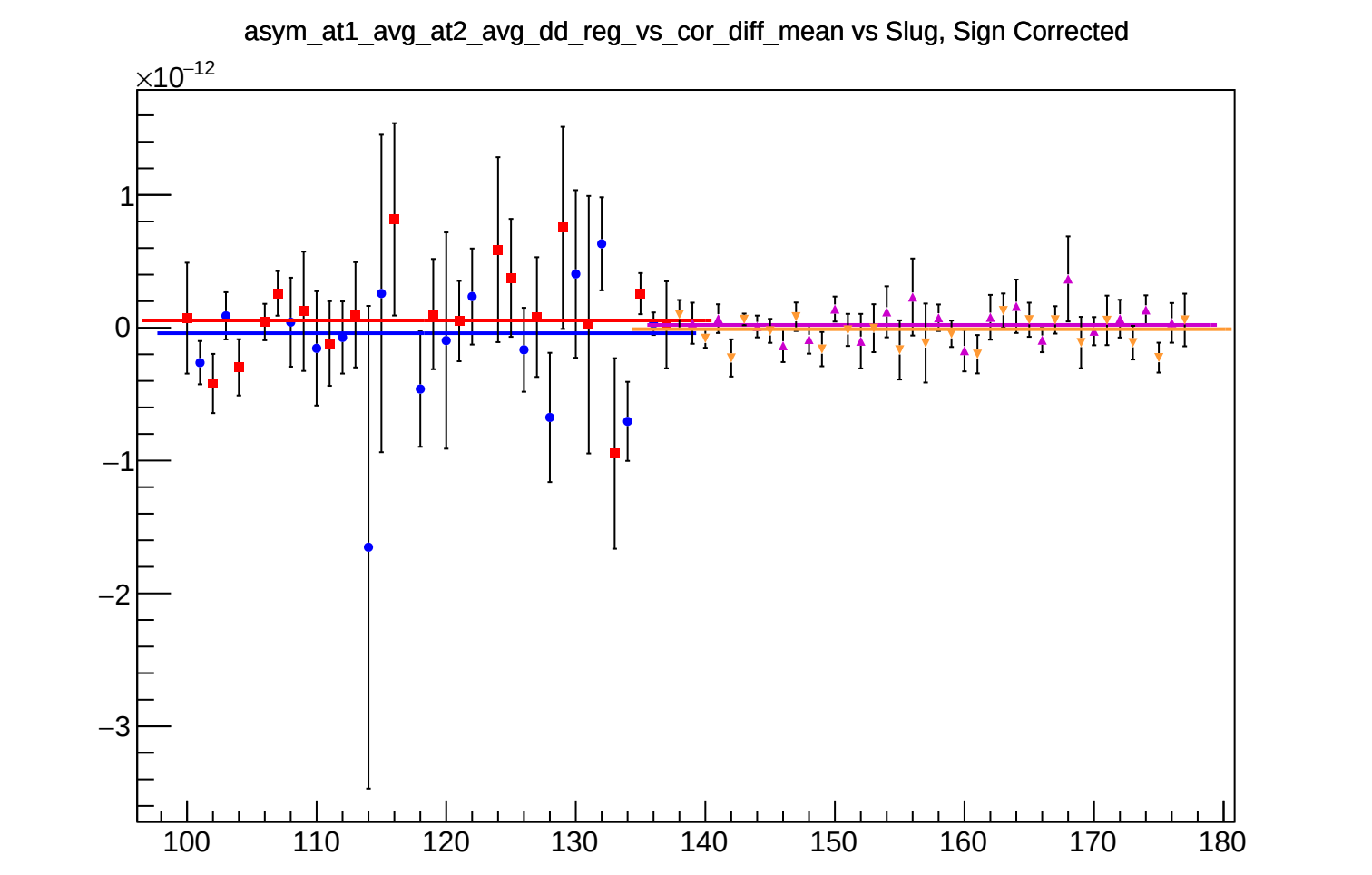
Left: 4237.370+/-0.541 χ^2/NDF: 2573776.6/39

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4139.497+/-0.626 χ^2/NDF:1525643.6/34

Out: 3885.783+/-0.578 χ^2/NDF:2465150.4/39

All: 4002.680+/-0.425 χ^2/NDF: 4079429.5/74



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.5/20

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:12.2/18

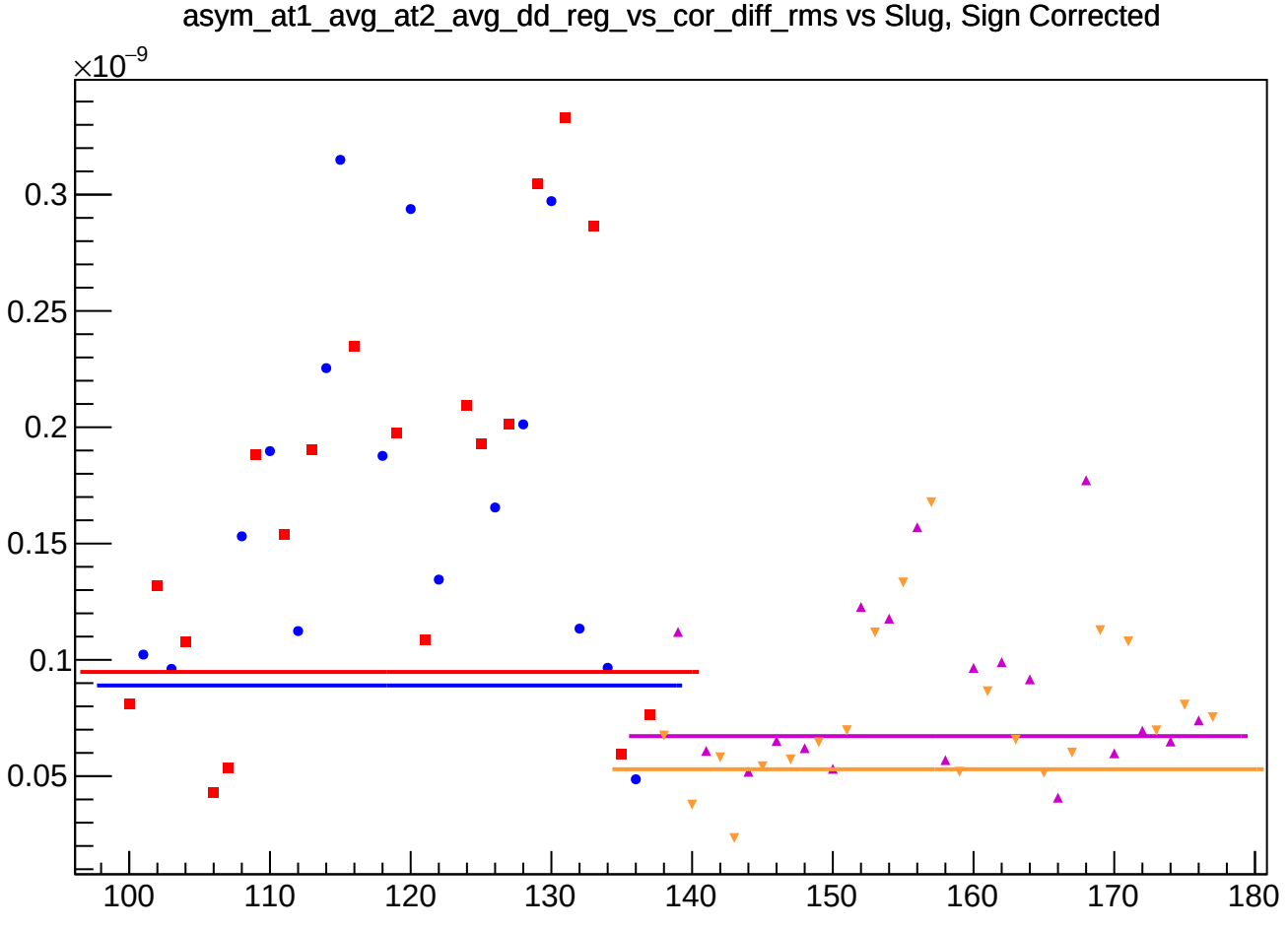
Left: 0.000+/-0.000 χ^2/NDF: 31.4/39

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:29.7/34

Out: -0.000+/-0.000 χ^2/NDF:35.3/39

All: 0.000+/-0.000 χ^2/NDF: 65.1/74



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2547856.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1380140.5/18

Left: 0.000+/-0.000 χ^2/NDF: 4222315.4/39

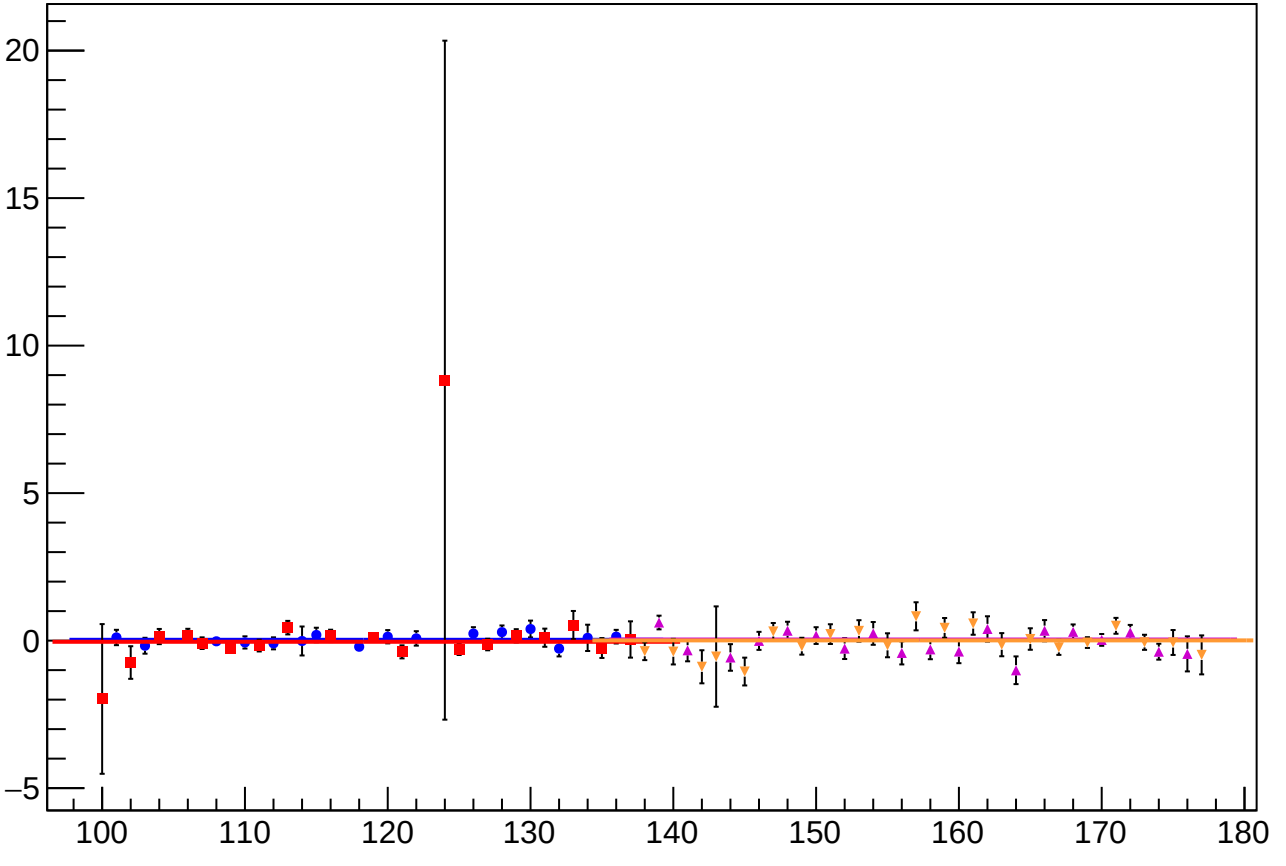
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:3060442.4/34

Out: 0.000+/-0.000 χ^2/NDF:5037116.3/39

All: 0.000+/-0.000 χ^2/NDF: 8415214.6/74

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: 0.008+/-0.073 χ^2/NDF:24.8/20

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.037+/-0.072 χ^2/NDF:25.8/18

Left: 0.023+/-0.051 χ^2/NDF: 50.8/39

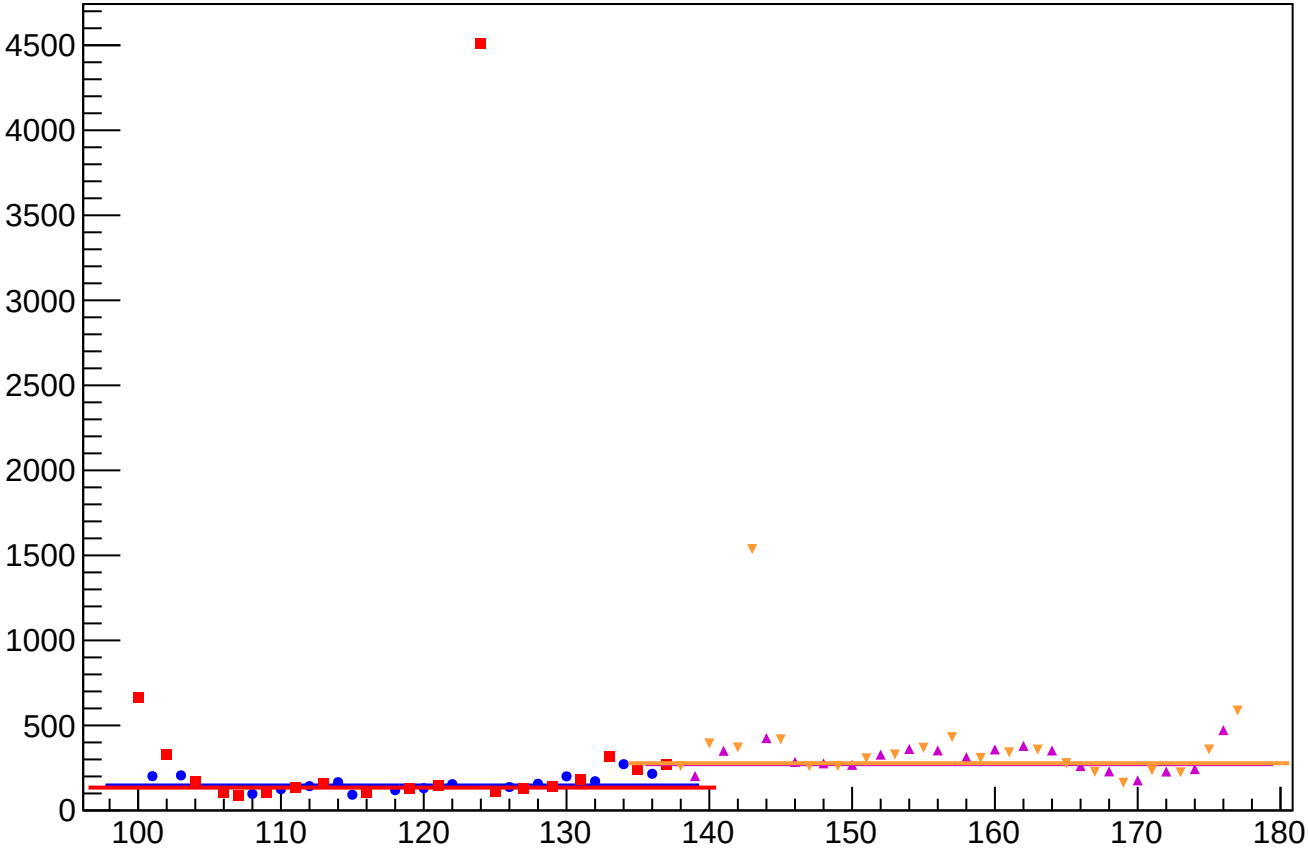
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.031+/-0.045 χ^2/NDF:35.3/34

Out: -0.022+/-0.044 χ^2/NDF:45.1/39

All: 0.004+/-0.031 χ^2/NDF: 81.1/74

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: 277.862+/-0.052 χ^2/NDF:3536745.3/20

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 272.245+/-0.051 χ^2/NDF:1877539.7/18

Left: 275.026+/-0.036 χ^2/NDF: 5420271.0/39

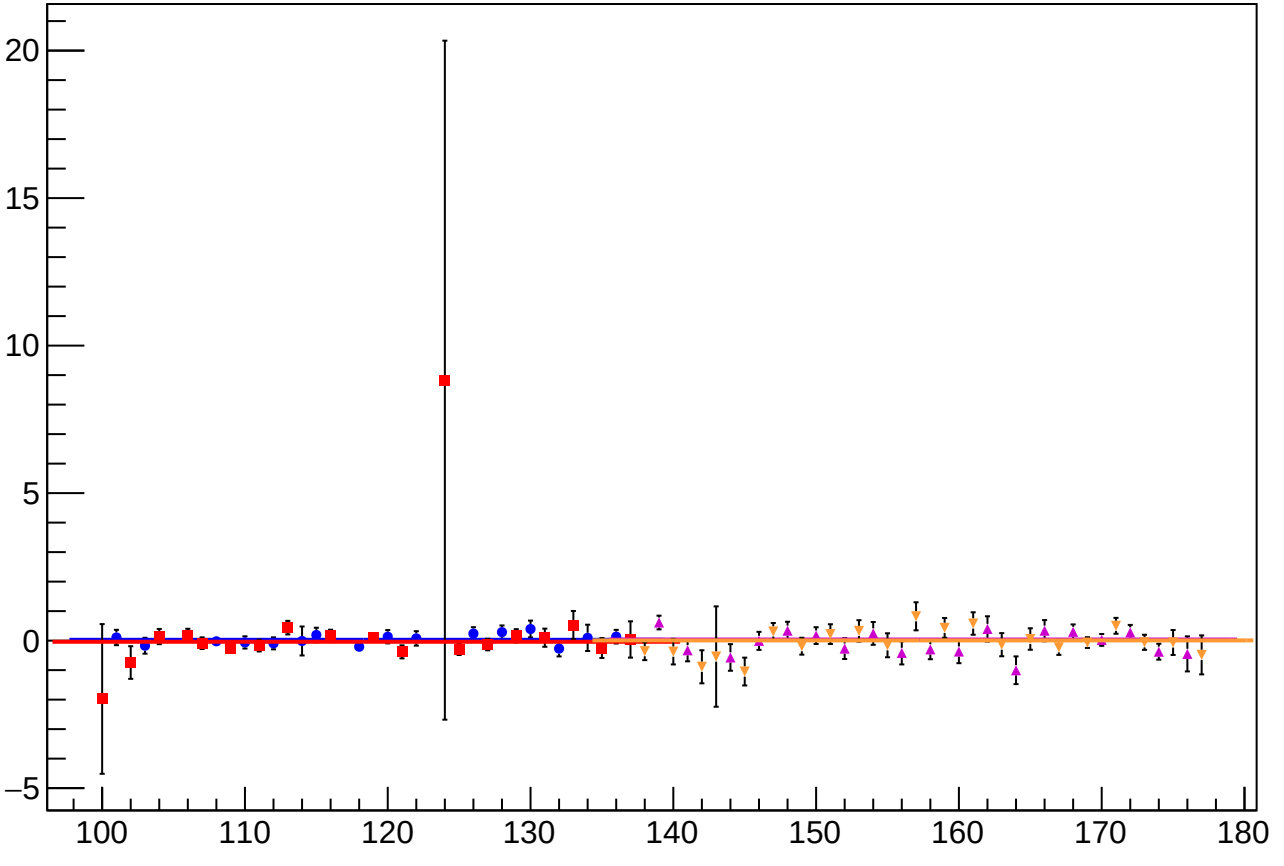
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 195.682+/-0.032 χ^2/NDF:6556599.8/34

Out: 186.188+/-0.031 χ^2/NDF:10081368.0/39

All: 190.798+/-0.022 χ^2/NDF: 16683591.3/74

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: 0.008+/-0.073 χ^2/NDF:24.8/20

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.037+/-0.072 χ^2/NDF:25.8/18

Left: 0.023+/-0.051 χ^2/NDF: 50.8/39

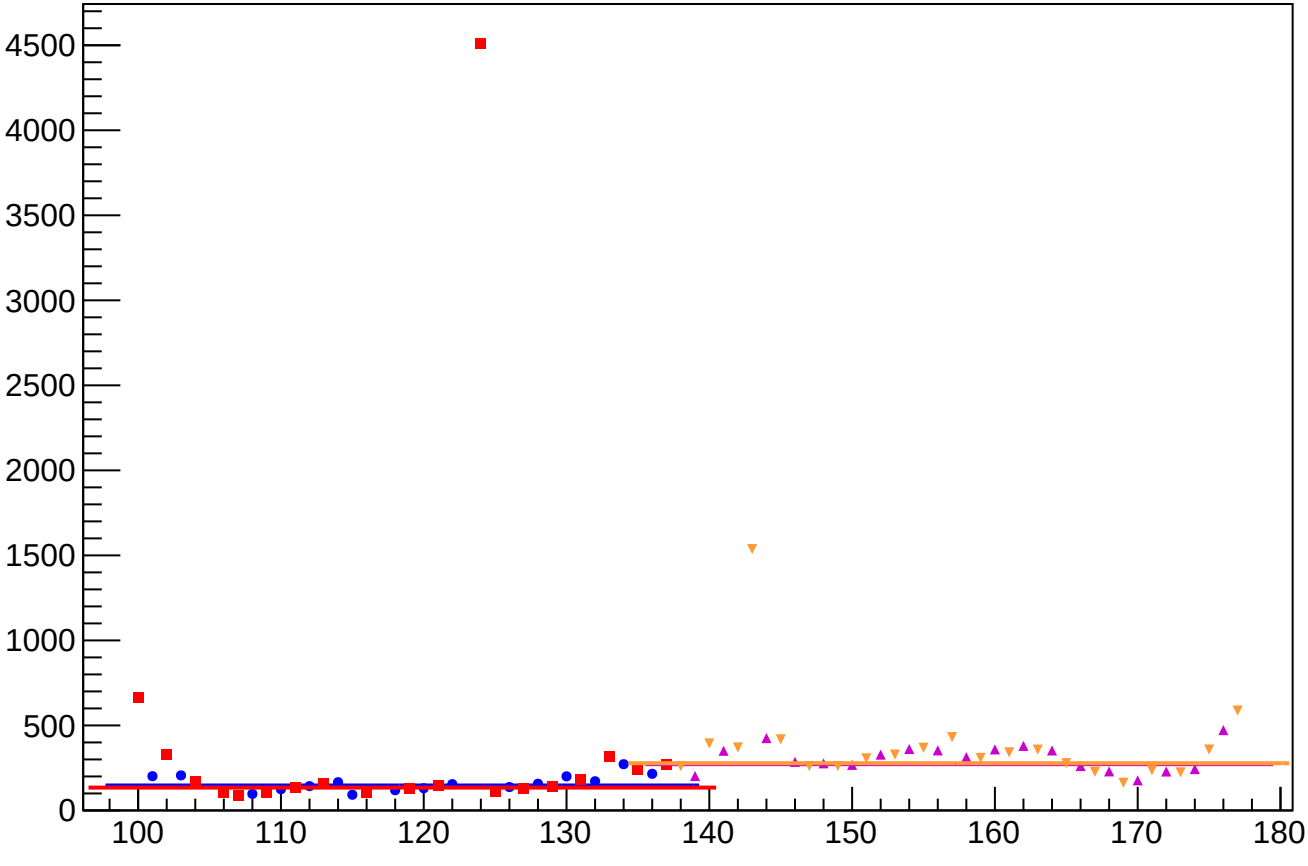
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.031+/-0.045 χ^2/NDF:35.3/34

Out: -0.022+/-0.044 χ^2/NDF:45.1/39

All: 0.004+/-0.031 χ^2/NDF: 81.1/74

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: 277.862+/-0.052 χ^2/NDF:3536745.3/20

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 272.245+/-0.051 χ^2/NDF:1877539.7/18

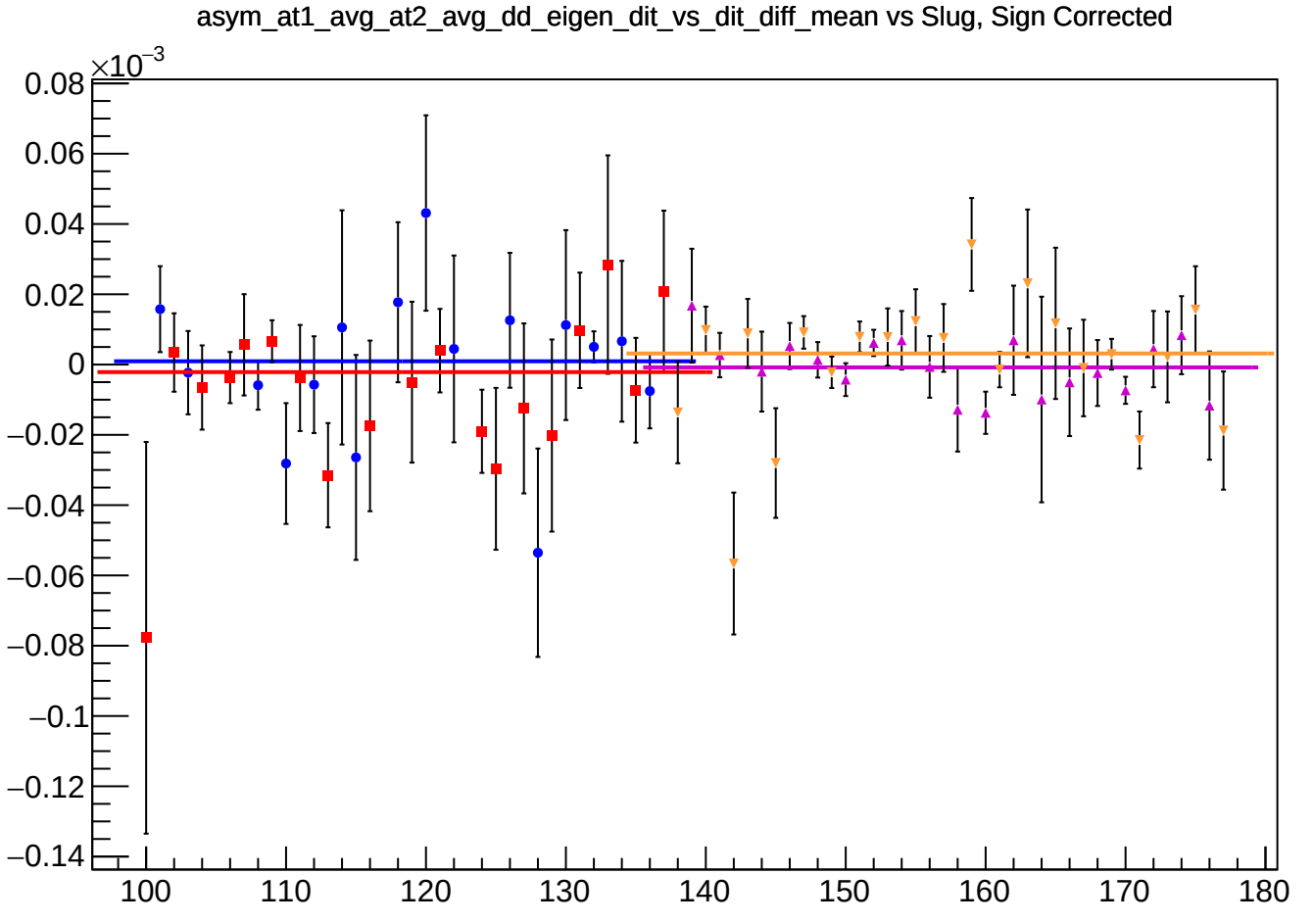
Left: 275.026+/-0.036 χ^2/NDF: 5420271.0/39

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 195.682+/-0.032 χ^2/NDF:6556599.8/34

Out: 186.188+/-0.031 χ^2/NDF:10081368.0/39

All: 190.798+/-0.022 χ^2/NDF: 16683591.3/74



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:40.7/20

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

Left In: -0.000+/-0.000 χ^2/NDF:17.8/18

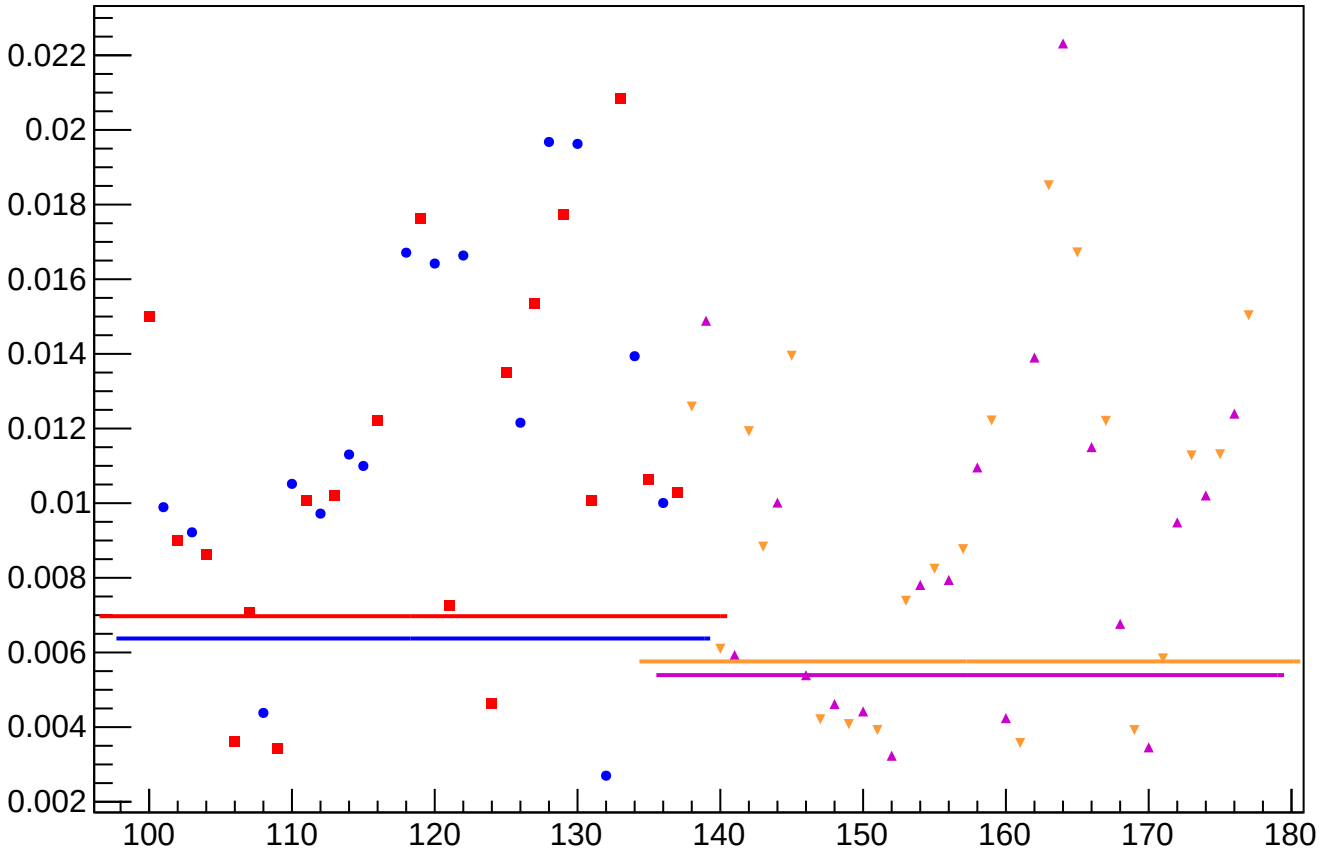
Left: 0.000+/-0.000 χ^2/NDF: 61.5/39

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: -0.000+/-0.000 χ^2/NDF:32.9/34

Out: 0.000+/-0.000 χ^2/NDF:59.1/39

All: 0.000+/-0.000 χ^2/NDF: 93.4/74



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:6952917.2/20

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:5892788.8/18

Left: 0.006+/-0.000 χ^2/NDF: 12896576.1/39

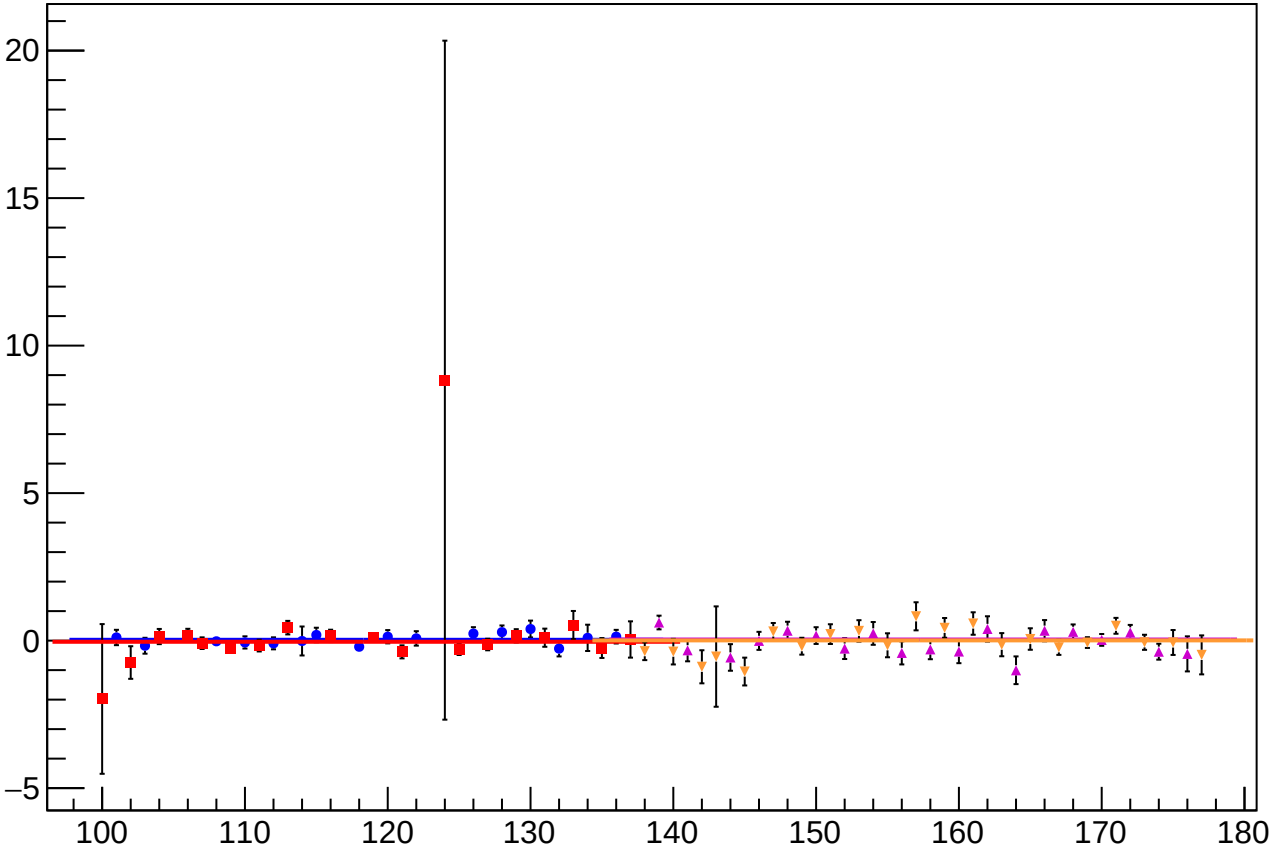
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:10705200.3/34

Out: 0.006+/-0.000 χ^2/NDF:10612034.2/39

All: 0.006+/-0.000 χ^2/NDF: 21403034.2/74

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: 0.008+/-0.073 χ^2/NDF:24.8/20

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.037+/-0.072 χ^2/NDF:25.8/18

Left: 0.023+/-0.051 χ^2/NDF: 50.8/39

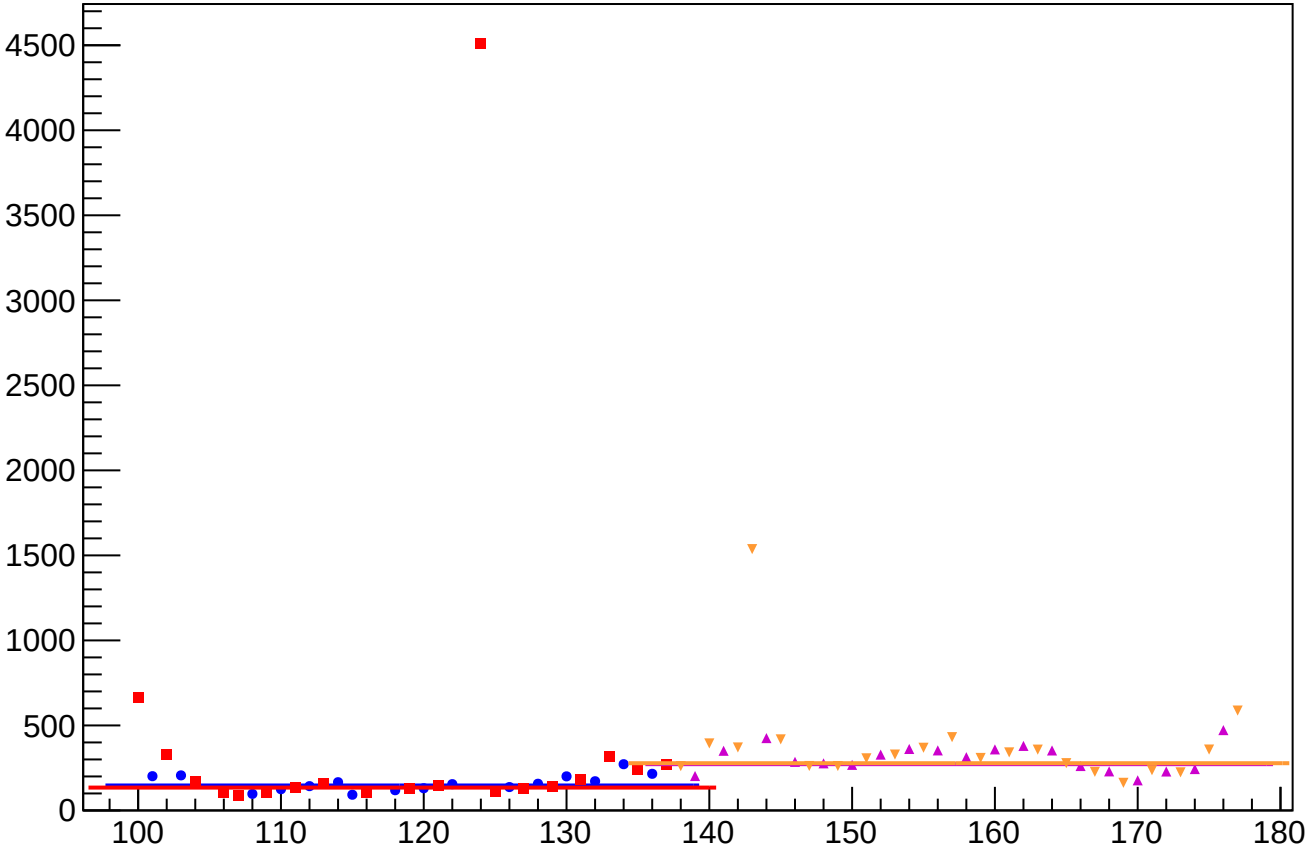
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.031+/-0.045 χ^2/NDF:35.3/34

Out: -0.022+/-0.044 χ^2/NDF:45.1/39

All: 0.004+/-0.031 χ^2/NDF: 81.1/74

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: 277.862+/-0.052 χ^2/NDF:3536897.0/20

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 272.247+/-0.051 χ^2/NDF:1877615.8/18

Left: 275.027+/-0.036 χ^2/NDF: 5420495.7/39

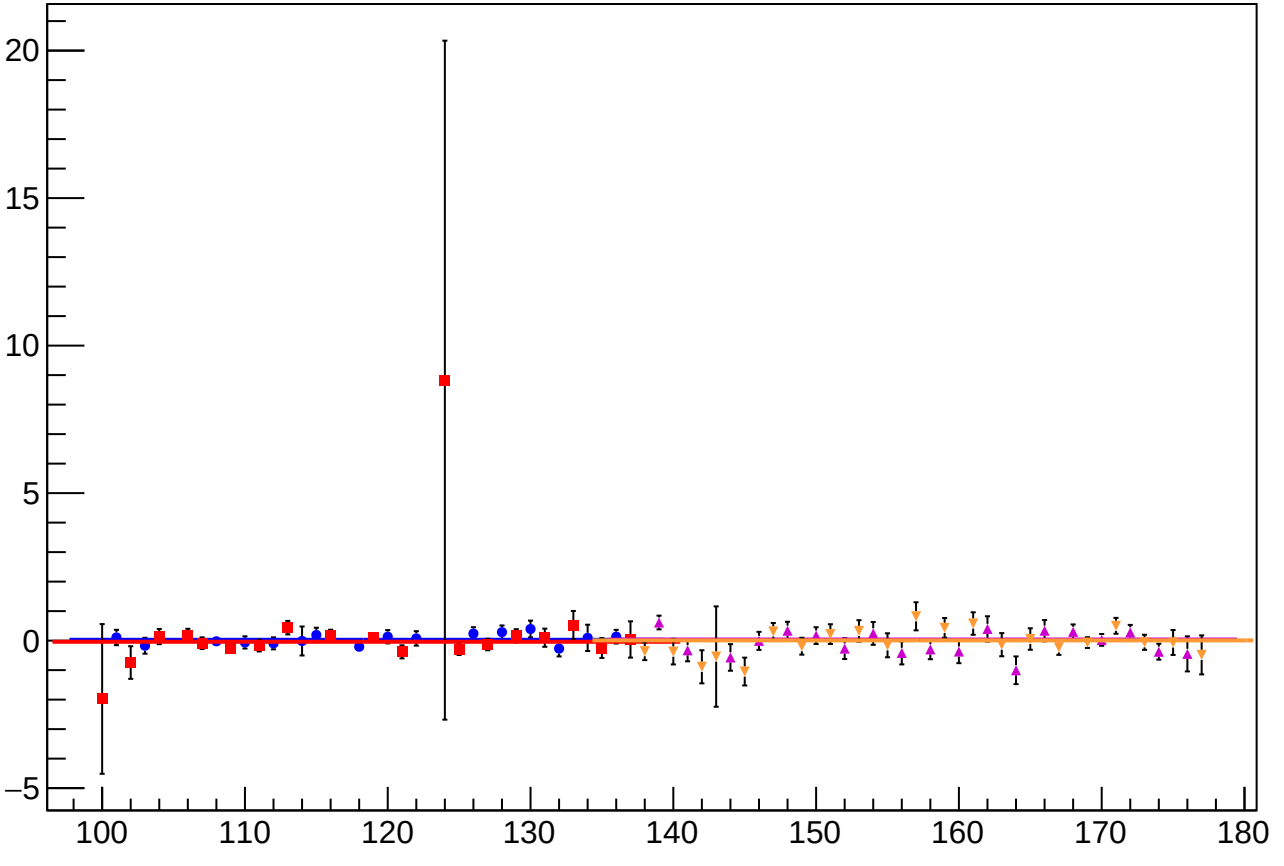
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 195.682+/-0.032 χ^2/NDF:6556680.4/34

Out: 186.189+/-0.031 χ^2/NDF:10081320.3/39

All: 190.799+/-0.022 χ^2/NDF: 16683613.6/74

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: 0.008+/-0.073 χ^2/NDF:24.8/20

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.037+/-0.072 χ^2/NDF:25.8/18

Left: 0.023+/-0.051 χ^2/NDF: 50.8/39

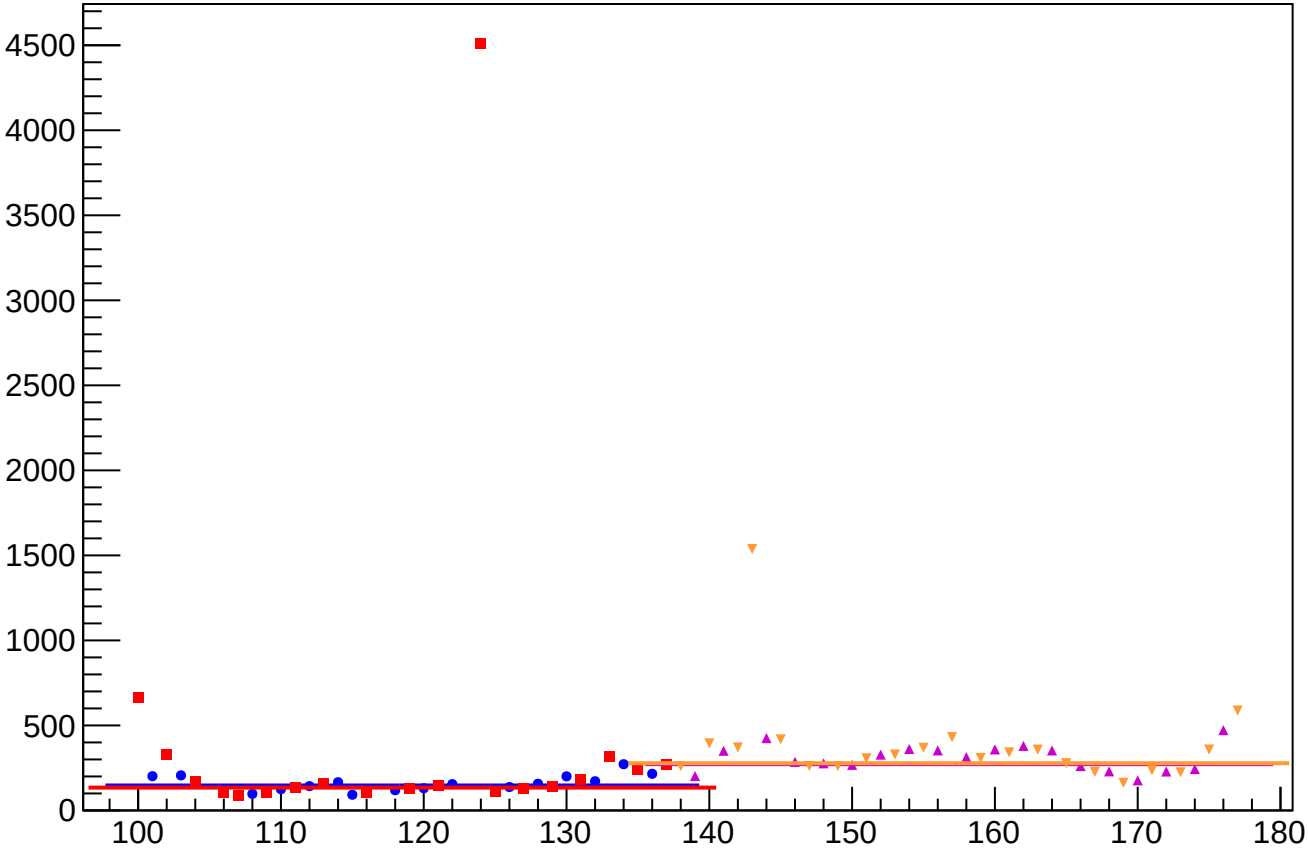
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.031+/-0.045 χ^2/NDF:35.3/34

Out: -0.022+/-0.044 χ^2/NDF:45.1/39

All: 0.004+/-0.031 χ^2/NDF: 81.1/74

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: 277.862+/-0.052 χ^2/NDF:3536897.0/20

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 272.247+/-0.051 χ^2/NDF:1877615.8/18

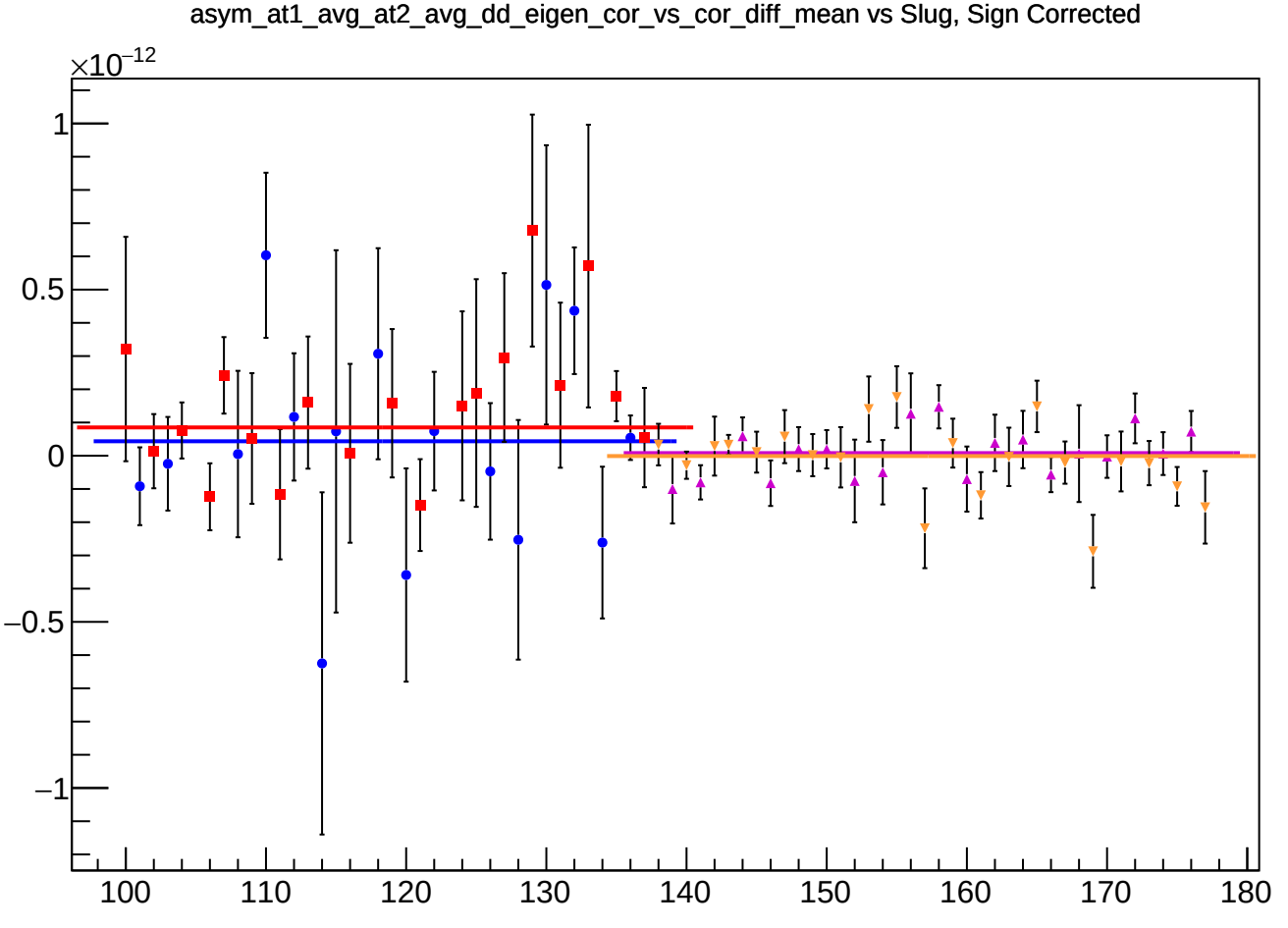
Left: 275.027+/-0.036 χ^2/NDF: 5420495.7/39

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 195.682+/-0.032 χ^2/NDF:6556680.4/34

Out: 186.189+/-0.031 χ^2/NDF:10081320.3/39

All: 190.799+/-0.022 χ^2/NDF: 16683613.6/74



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:18.5/18

Left: 0.000+/-0.000 χ^2/NDF: 48.8/39

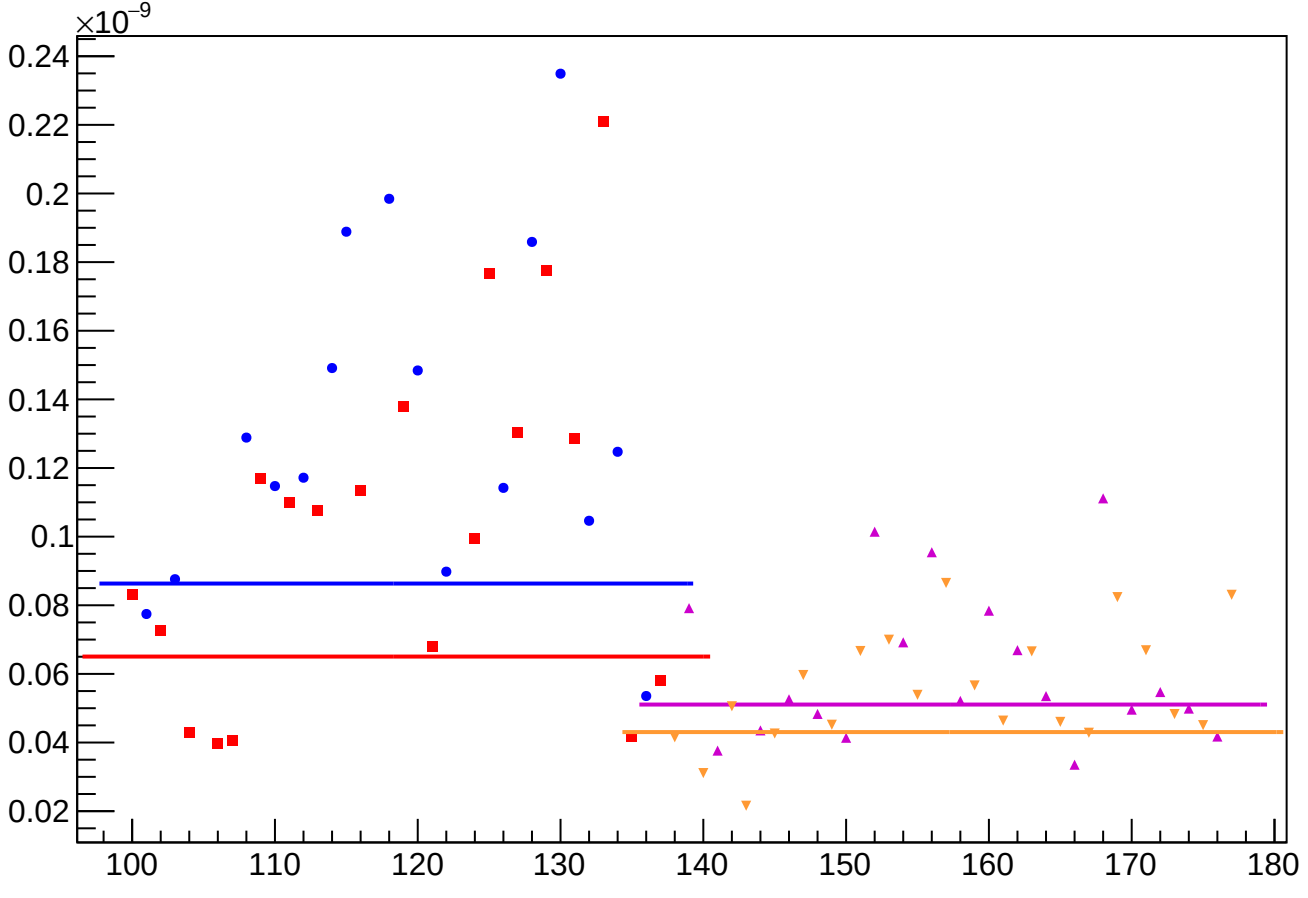
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:38.1/34

Out: 0.000+/-0.000 χ^2/NDF:53.8/39

All: 0.000+/-0.000 χ^2/NDF: 91.9/74

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:2798956.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1882647.6/18

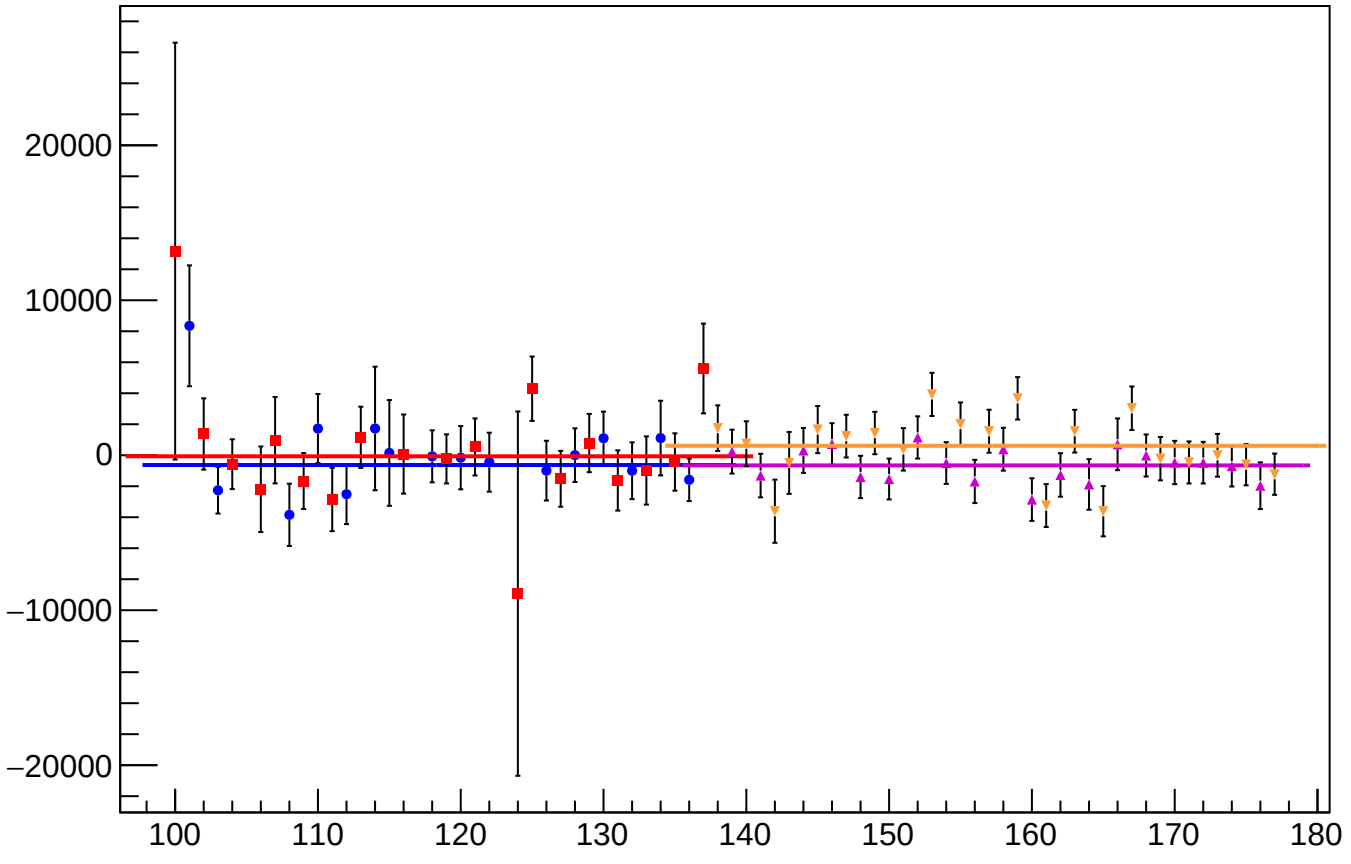
Left: 0.000+/-0.000 χ^2/NDF: 4953717.1/39

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:4634489.8/34

Out: 0.000+/-0.000 χ^2/NDF:5662511.0/39

All: 0.000+/-0.000 χ^2/NDF: 10723004.8/74



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 610.349+/-313.353 χ^2/NDF:40.3/20

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -656.785+/-321.523 χ^2/NDF:10.7/18

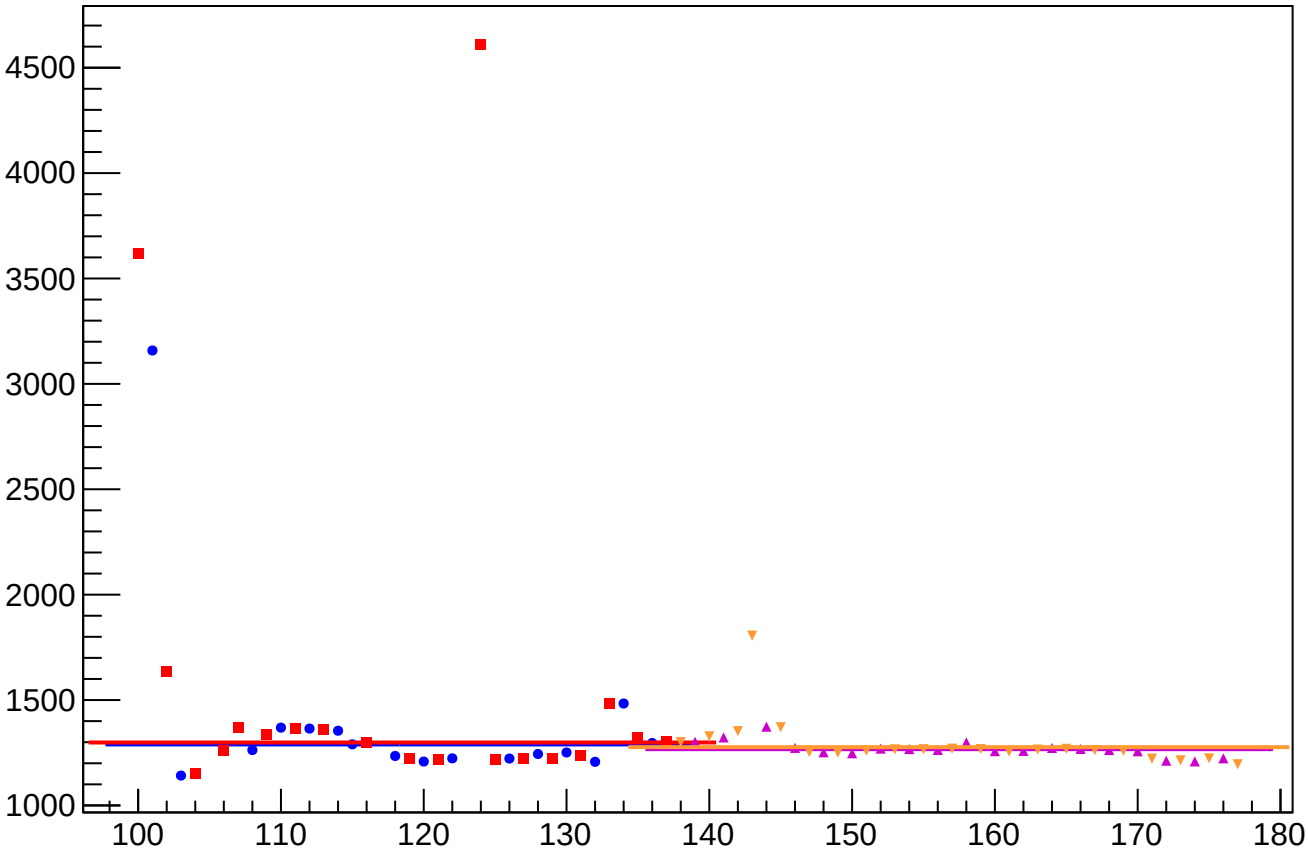
Left: -6.916+/-224.407 χ^2/NDF: 59.1/39

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -649.007+/-268.597 χ^2/NDF:24.7/34

Out: 412.277+/-263.637 χ^2/NDF:57.6/39

All: -108.476+/-188.149 χ^2/NDF: 90.2/74



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1276.484+/-0.222 χ^2/NDF:174631.6/20

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1266.984+/-0.227 χ^2/NDF:26252.5/18

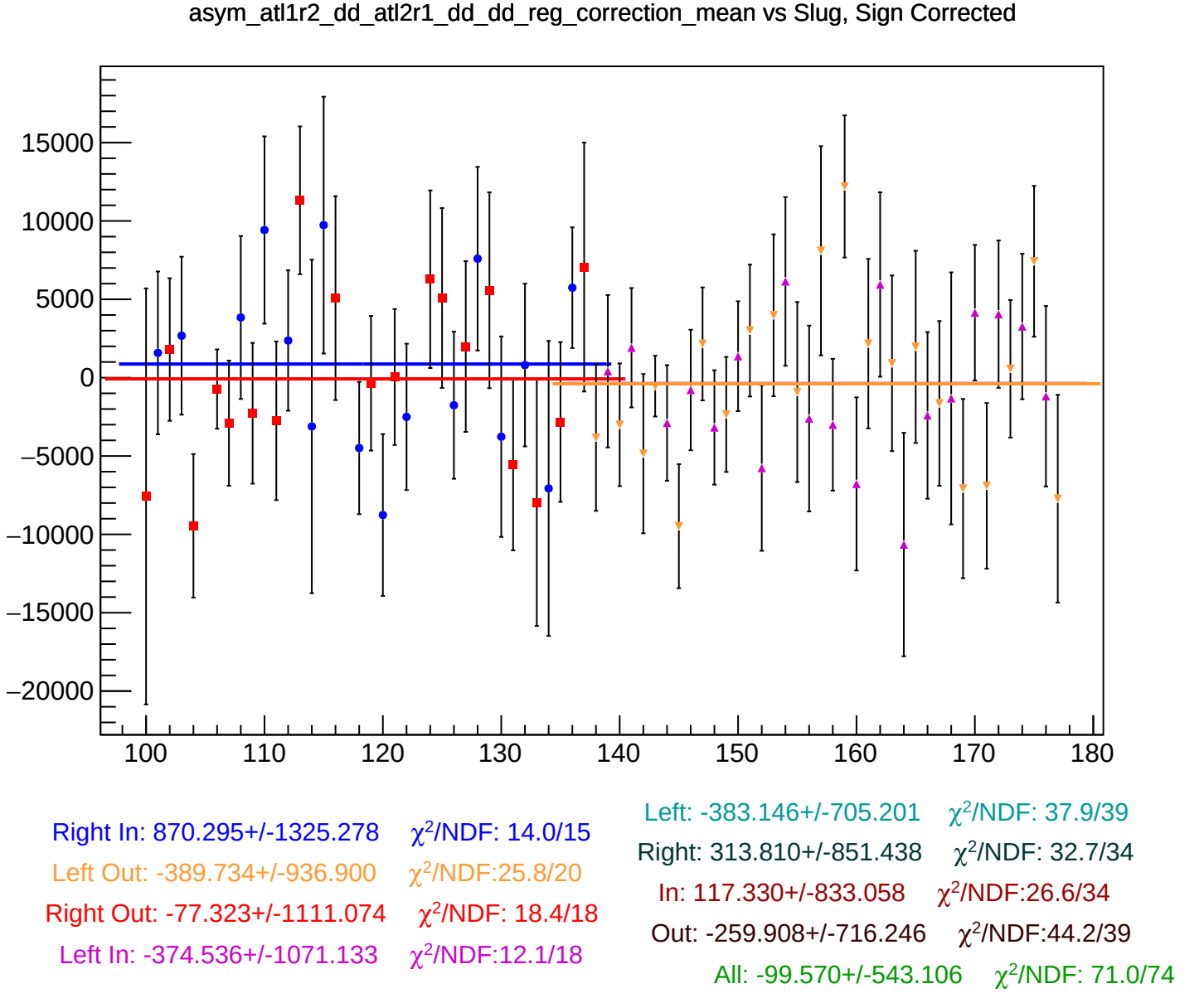
Left: 1271.856+/-0.159 χ^2/NDF: 201779.7/39

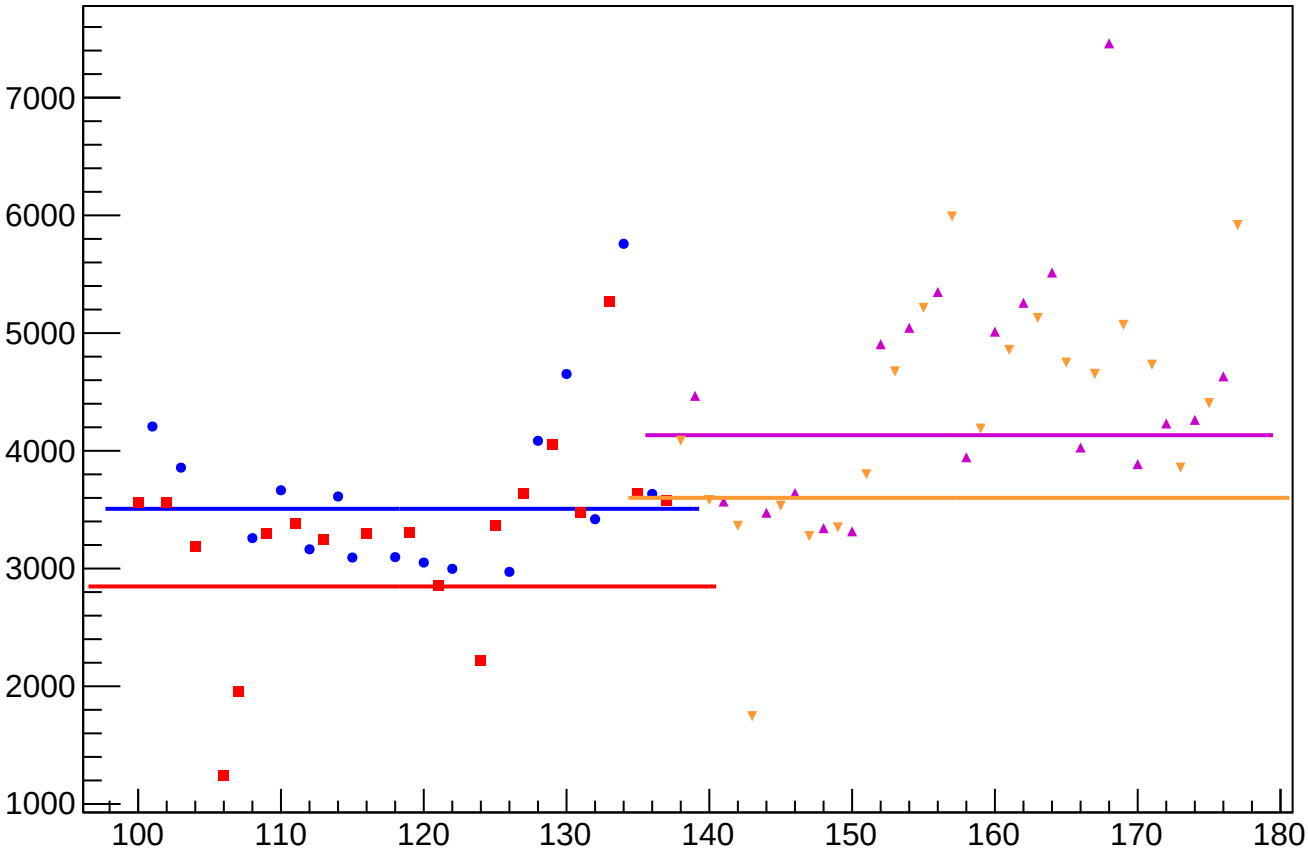
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1273.776+/-0.190 χ^2/NDF:543882.0/34

Out: 1282.986+/-0.186 χ^2/NDF:496942.5/39

All: 1278.470+/-0.133 χ^2/NDF: 1042022.9/74


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -389.734+/-936.900 χ²/NDF:25.8/20
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: -374.536+/-1071.133 χ²/NDF:12.1/18
Left: -383.146+/-705.201 χ²/NDF: 37.9/39
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: 117.330+/-833.058 χ²/NDF:26.6/34
Out: -259.908+/-716.246 χ²/NDF:44.2/39
All: -99.570+/-543.106 χ²/NDF: 71.0/74



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3600.663+/-0.662 χ^2/NDF:3357722.6/20

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4132.820+/-0.757 χ^2/NDF:1106305.7/18

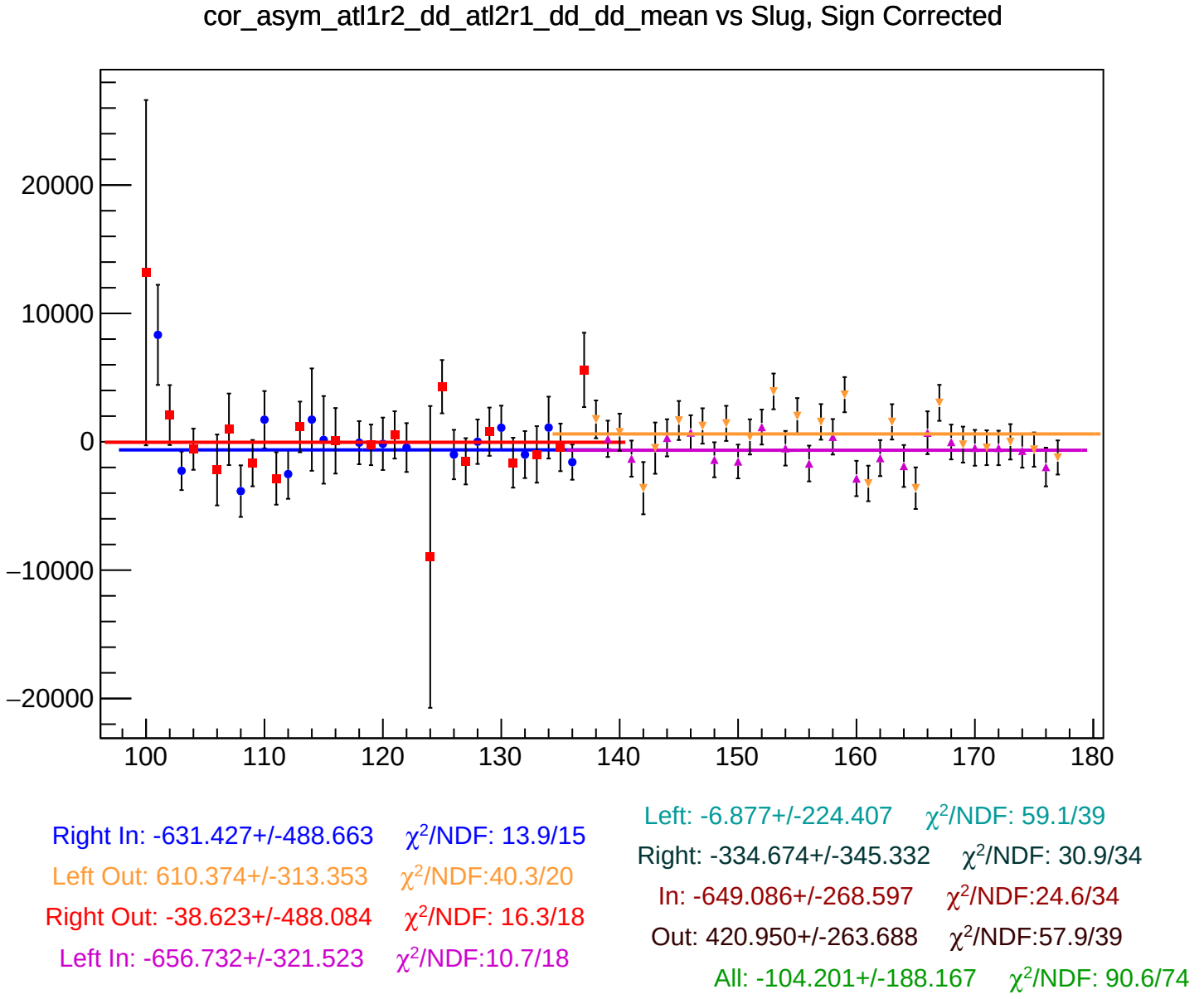
Left: 3831.326+/-0.499 χ^2/NDF: 4743708.6/39

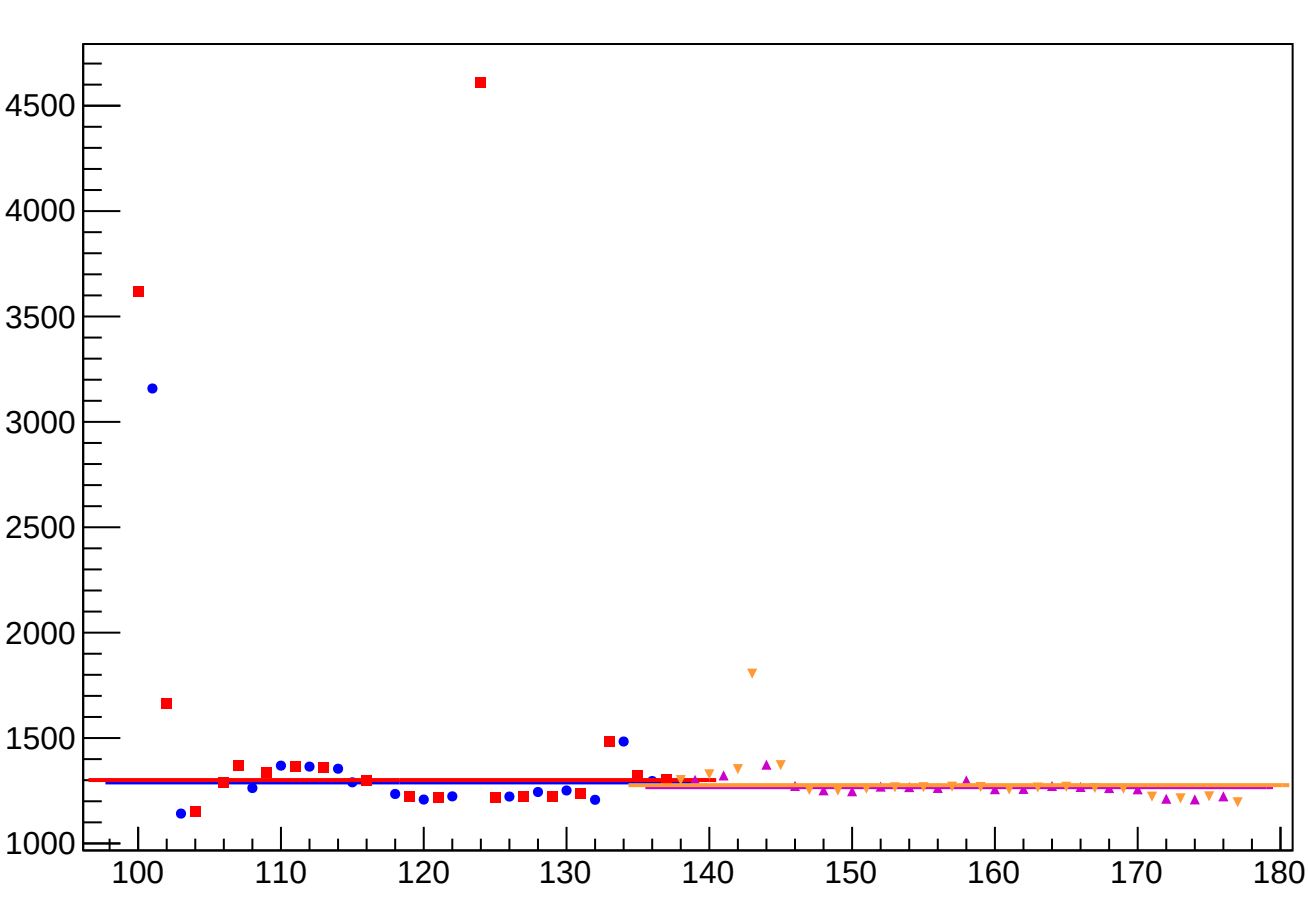
Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3885.699+/-0.589 χ^2/NDF:1729703.7/34

Out: 3287.814+/-0.506 χ^2/NDF:5393726.4/39

All: 3541.932+/-0.384 χ^2/NDF: 7715754.6/74


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: 610.374+/-313.353 χ²/NDF:40.3/20
Right Out: -38.623+/-488.084 χ²/NDF: 16.3/18
Left In: -656.732+/-321.523 χ²/NDF:10.7/18
Left: -6.877+/-224.407 χ²/NDF: 59.1/39
Right: -334.674+/-345.332 χ²/NDF: 30.9/34
In: -649.086+/-268.597 χ²/NDF:24.6/34
Out: 420.950+/-263.688 χ²/NDF:57.9/39
All: -104.201+/-188.167 χ²/NDF: 90.6/74



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1276.484+/-0.222 χ^2/NDF:174631.6/20

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1266.984+/-0.227 χ^2/NDF:26252.5/18

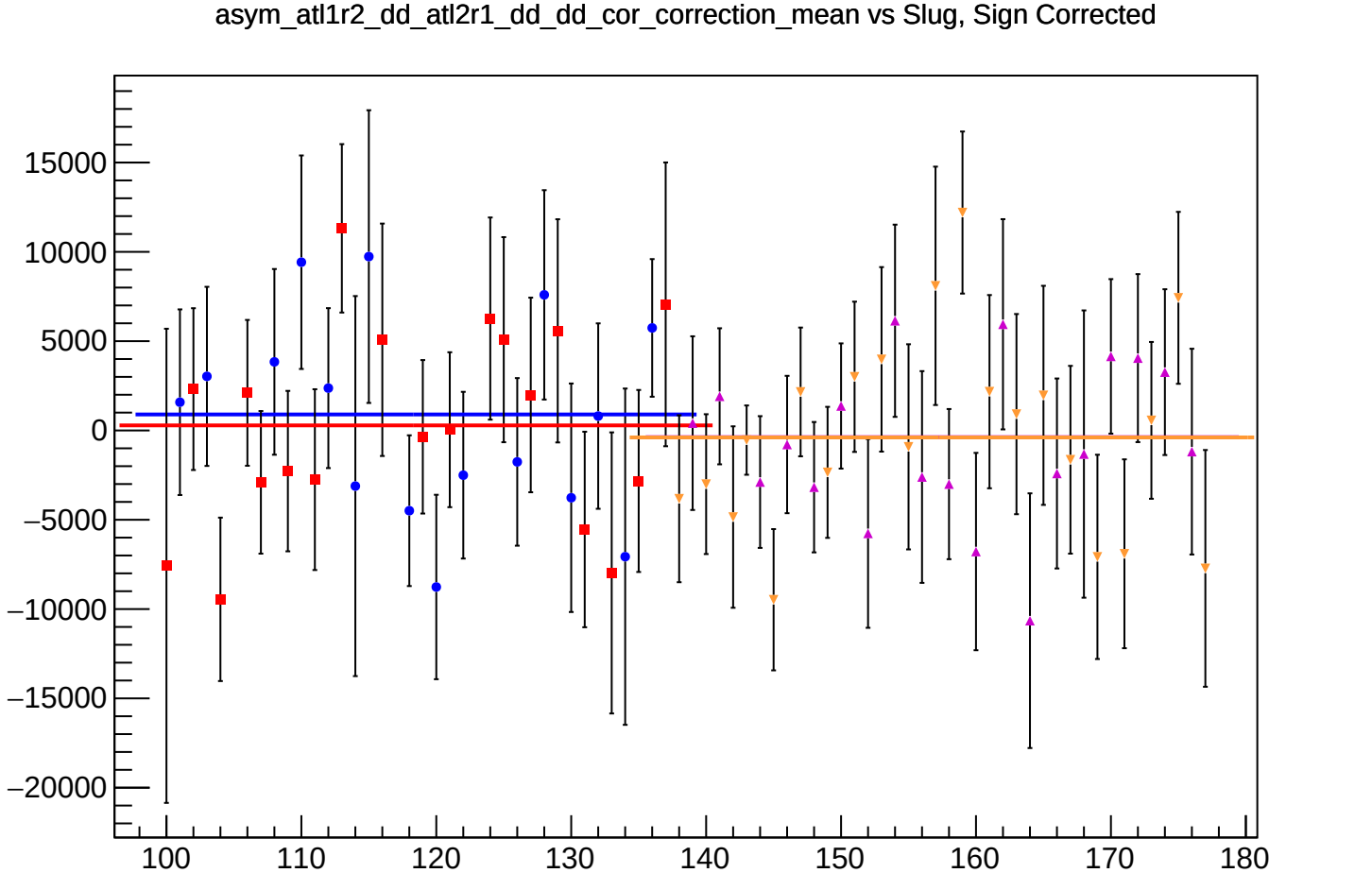
Left: 1271.856+/-0.159 χ^2/NDF: 201779.7/39

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1273.776+/-0.190 χ^2/NDF:543883.4/34

Out: 1283.566+/-0.186 χ^2/NDF:504030.0/39

All: 1278.764+/-0.133 χ^2/NDF: 1049267.1/74



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -389.670+/-936.899 χ^2/NDF:25.8/20

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -374.550+/-1071.131 χ^2/NDF:12.1/18

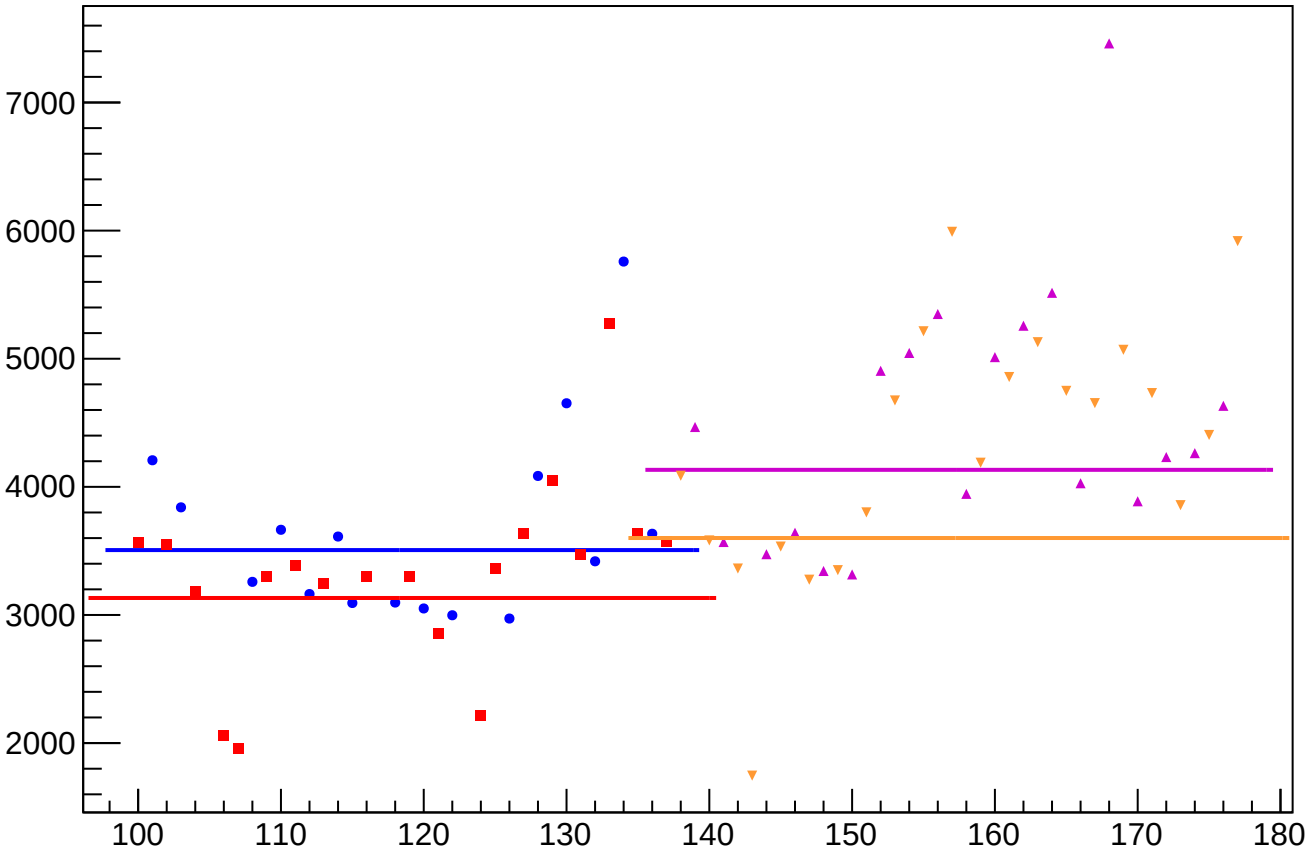
Left: -383.116+/-705.199 χ^2/NDF: 37.9/39

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 127.693+/-832.945 χ^2/NDF:26.7/34

Out: -130.063+/-734.505 χ^2/NDF:44.6/39

All: -17.309+/-550.906 χ^2/NDF: 71.4/74



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3600.654+/-0.662 χ^2/NDF:3357758.5/20

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4132.815+/-0.757 χ^2/NDF:1106306.5/18

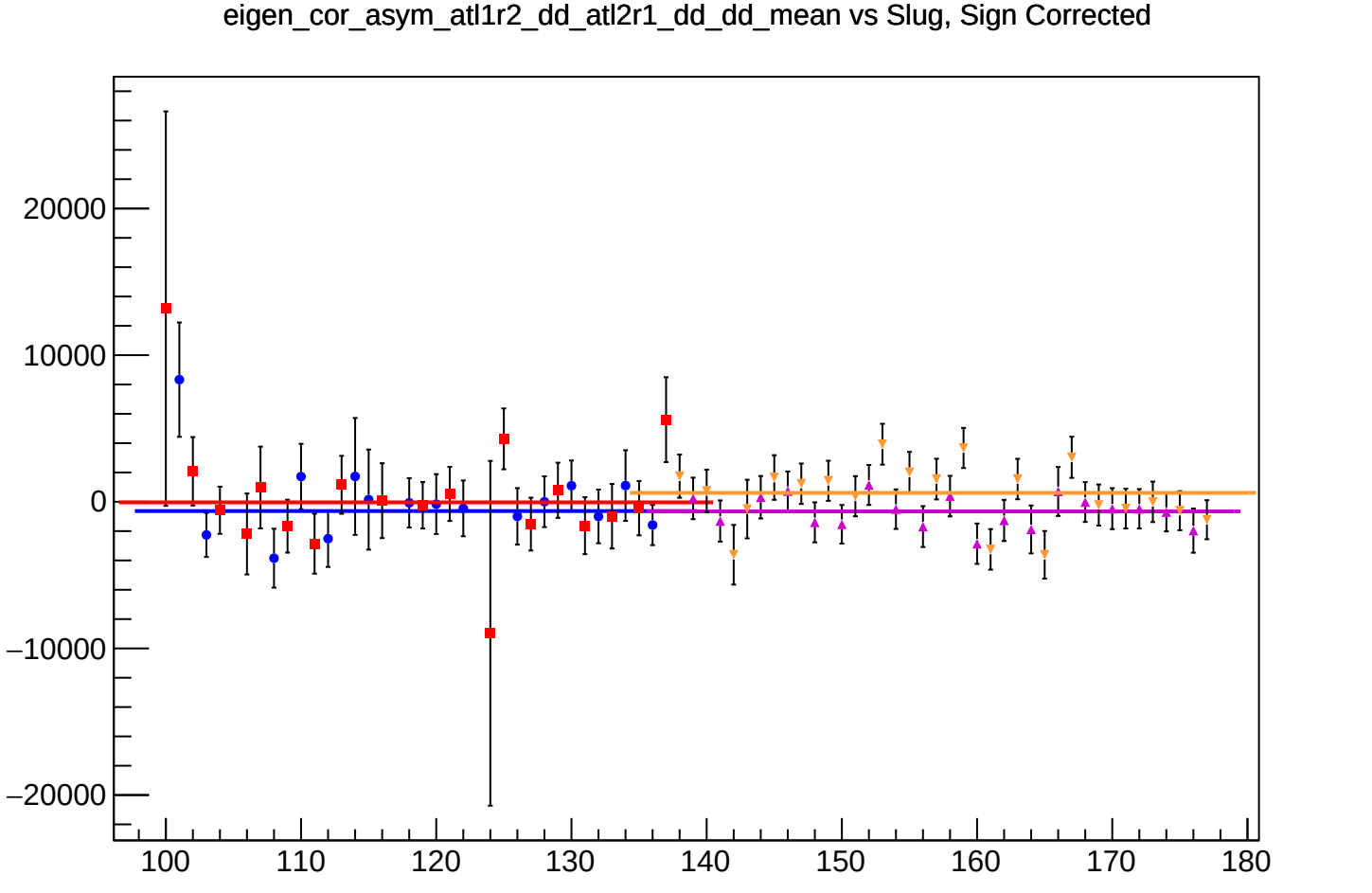
Left: 3831.319+/-0.499 χ^2/NDF: 4743749.4/39

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3885.232+/-0.589 χ^2/NDF:1729858.1/34

Out: 3420.268+/-0.519 χ^2/NDF:4199748.1/39

All: 3623.664+/-0.390 χ^2/NDF: 6280197.8/74



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 610.374+/-313.353 χ^2/NDF:40.3/20

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -656.732+/-321.523 χ^2/NDF:10.7/18

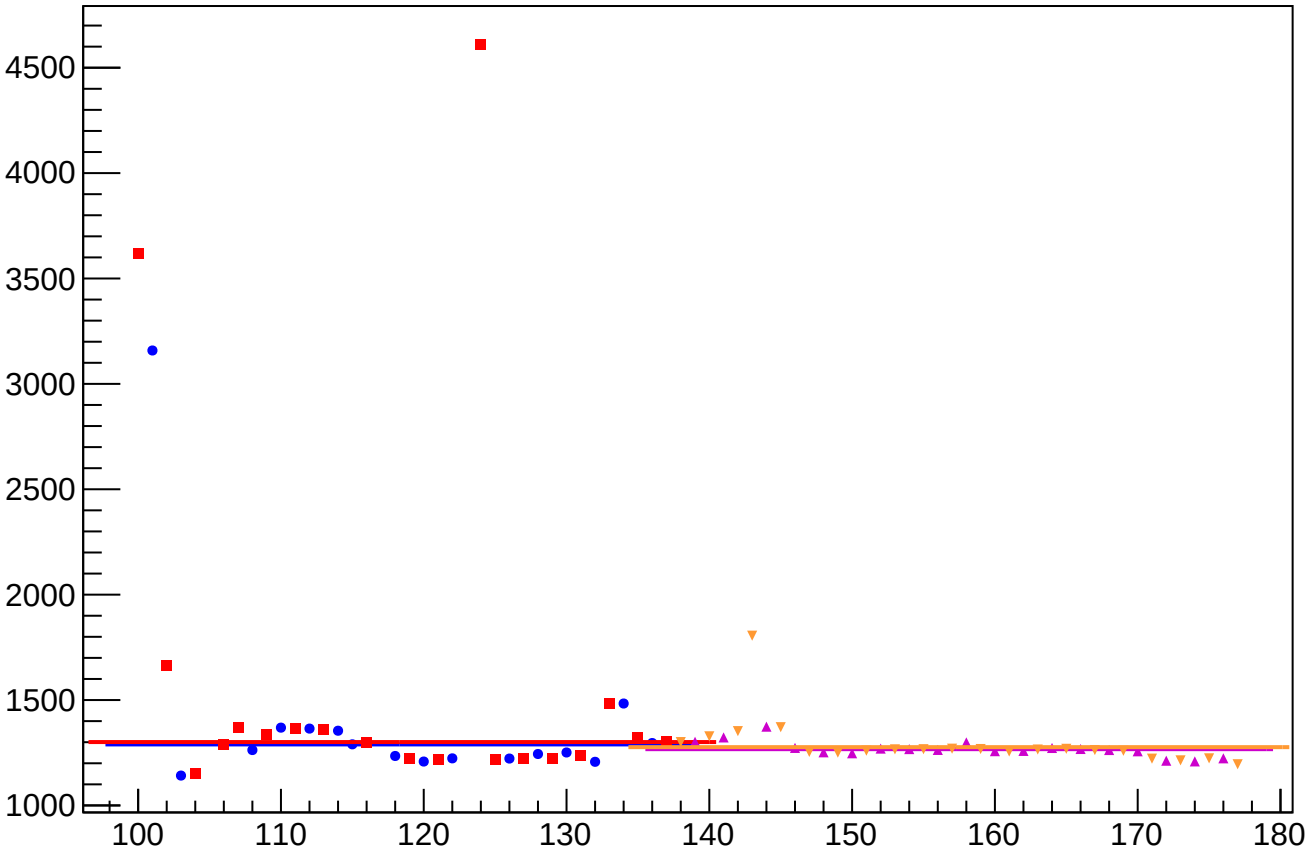
Left: -6.877+/-224.407 χ^2/NDF: 59.1/39

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -649.086+/-268.597 χ^2/NDF:24.6/34

Out: 420.950+/-263.688 χ^2/NDF:57.9/39

All: -104.201+/-188.167 χ^2/NDF: 90.6/74



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1276.484+/-0.222 χ^2/NDF:174631.6/20

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1266.984+/-0.227 χ^2/NDF:26252.5/18

Left: 1271.856+/-0.159 χ^2/NDF: 201779.7/39

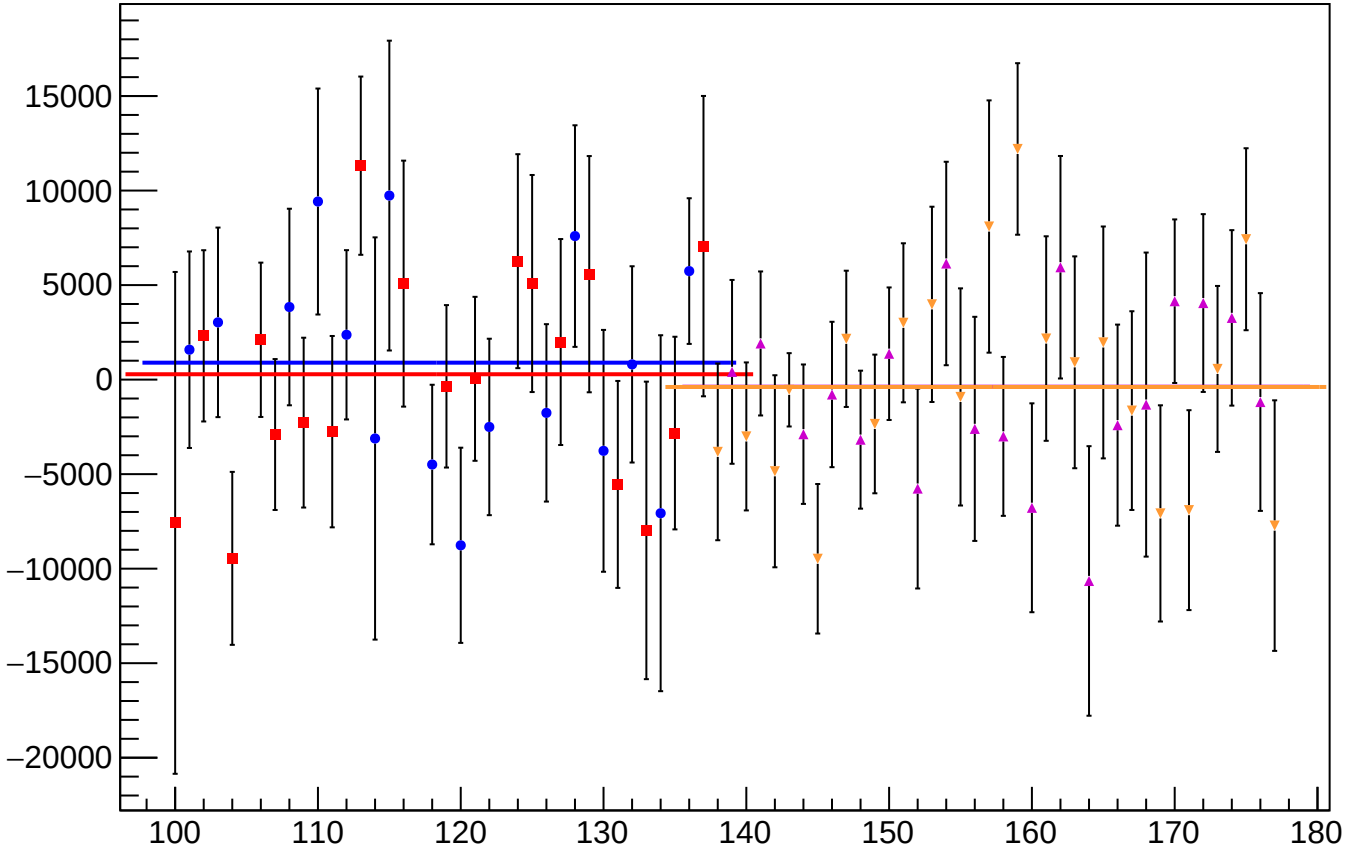
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1273.776+/-0.190 χ^2/NDF:543883.4/34

Out: 1283.566+/-0.186 χ^2/NDF:504030.0/39

All: 1278.764+/-0.133 χ^2/NDF: 1049267.1/74

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -389.670+/-936.899 χ^2/NDF:25.8/20

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -374.550+/-1071.131 χ^2/NDF:12.1/18

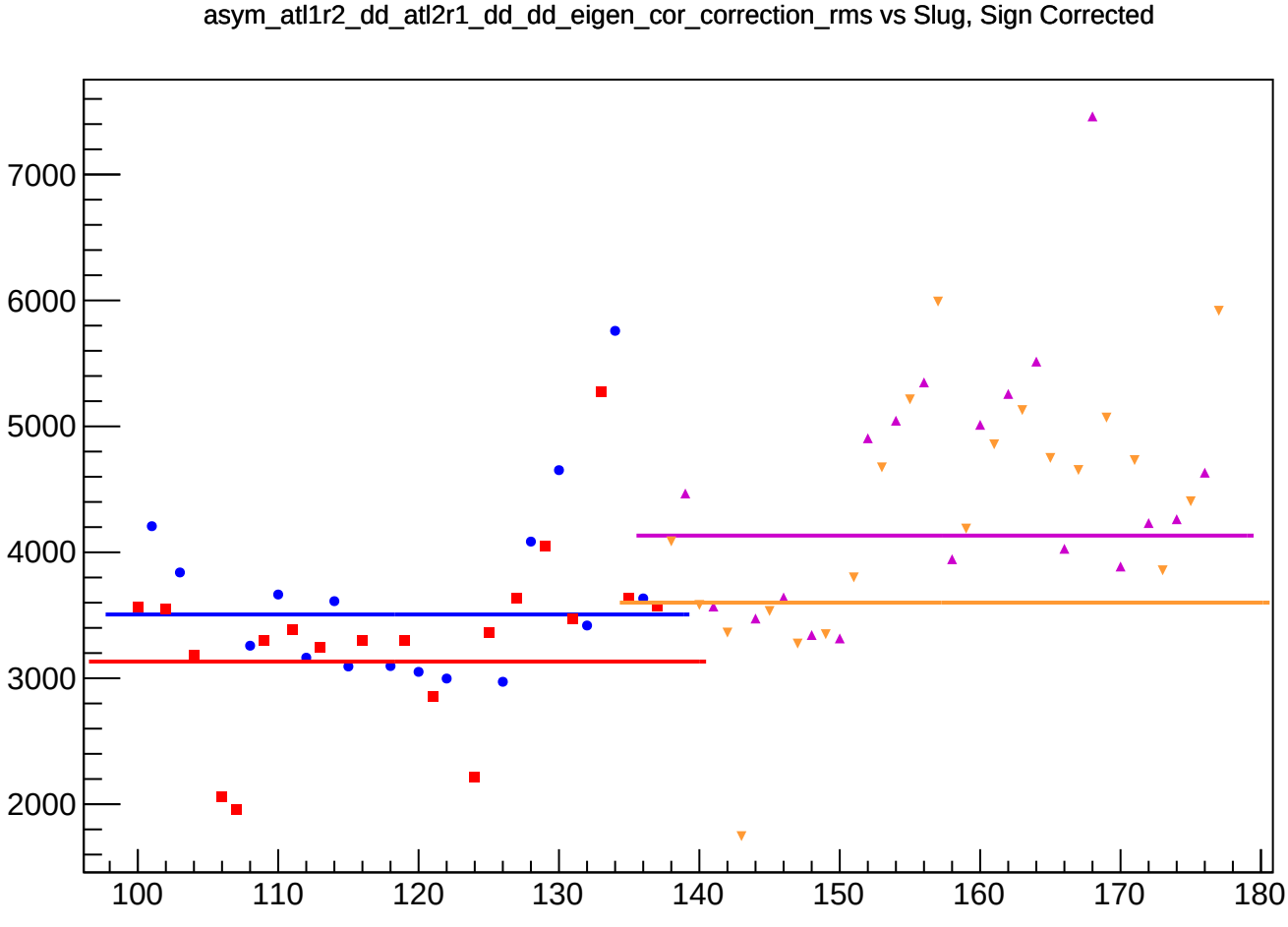
Left: -383.116+/-705.199 χ^2/NDF: 37.9/39

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 127.693+/-832.945 χ^2/NDF:26.7/34

Out: -130.063+/-734.505 χ^2/NDF:44.6/39

All: -17.309+/-550.906 χ^2/NDF: 71.4/74



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3600.654+/-0.662 χ^2/NDF:3357758.5/20

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4132.815+/-0.757 χ^2/NDF:1106306.5/18

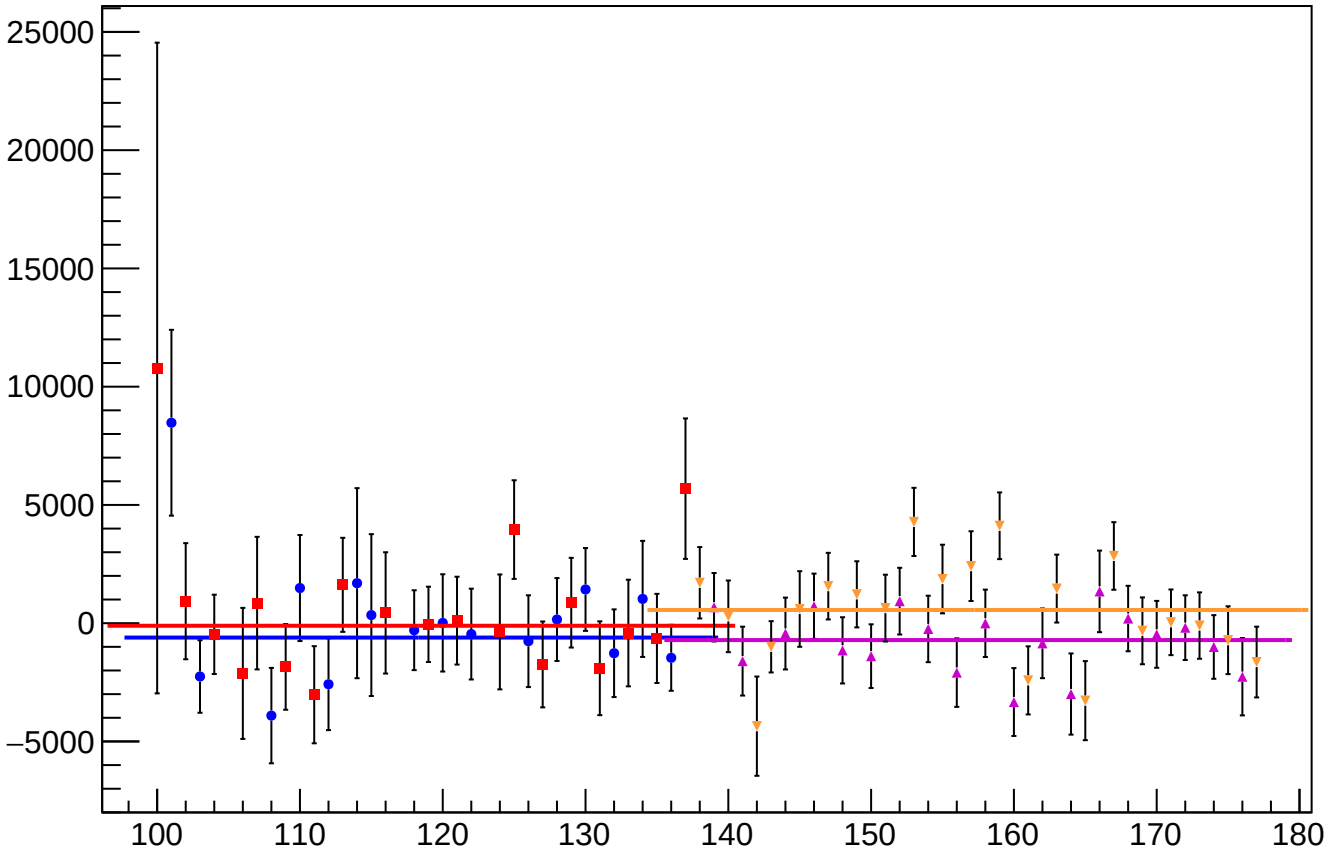
Left: 3831.319+/-0.499 χ^2/NDF: 4743749.4/39

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3885.232+/-0.589 χ^2/NDF:1729858.1/34

Out: 3420.268+/-0.519 χ^2/NDF:4199748.1/39

All: 3623.664+/-0.390 χ^2/NDF: 6280197.8/74



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 559.036+/-315.347 χ^2/NDF:40.5/20

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -714.051+/-332.363 χ^2/NDF:13.5/18

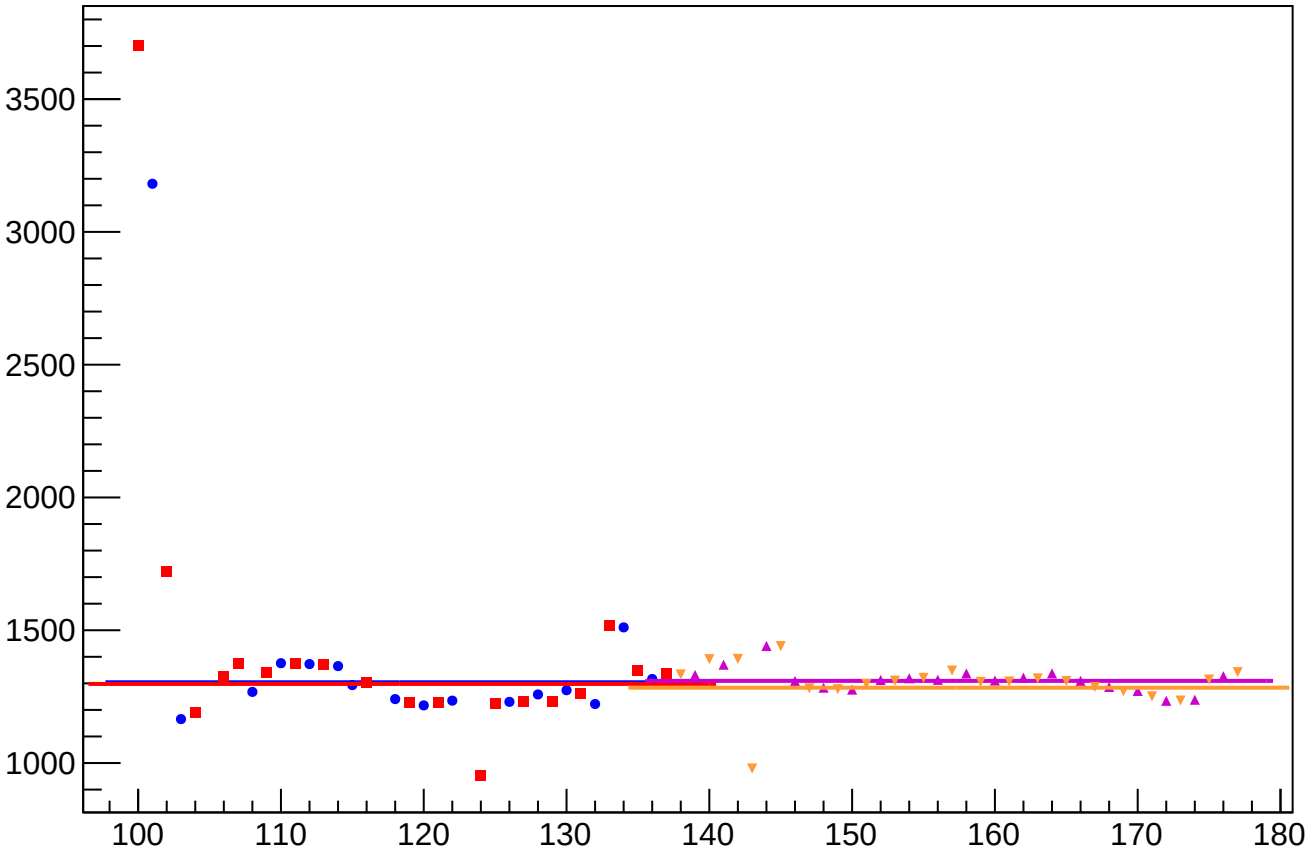
Left: -44.085+/-228.763 χ^2/NDF: 61.7/39

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -680.969+/-275.791 χ^2/NDF:27.6/34

Out: 360.968+/-264.466 χ^2/NDF:56.7/39

All: -138.168+/-190.884 χ^2/NDF: 91.8/74



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1283.699+/-0.223 χ^2/NDF:210710.5/20

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1309.347+/-0.235 χ^2/NDF:36214.4/18

Left: 1295.849+/-0.162 χ^2/NDF: 253192.7/39

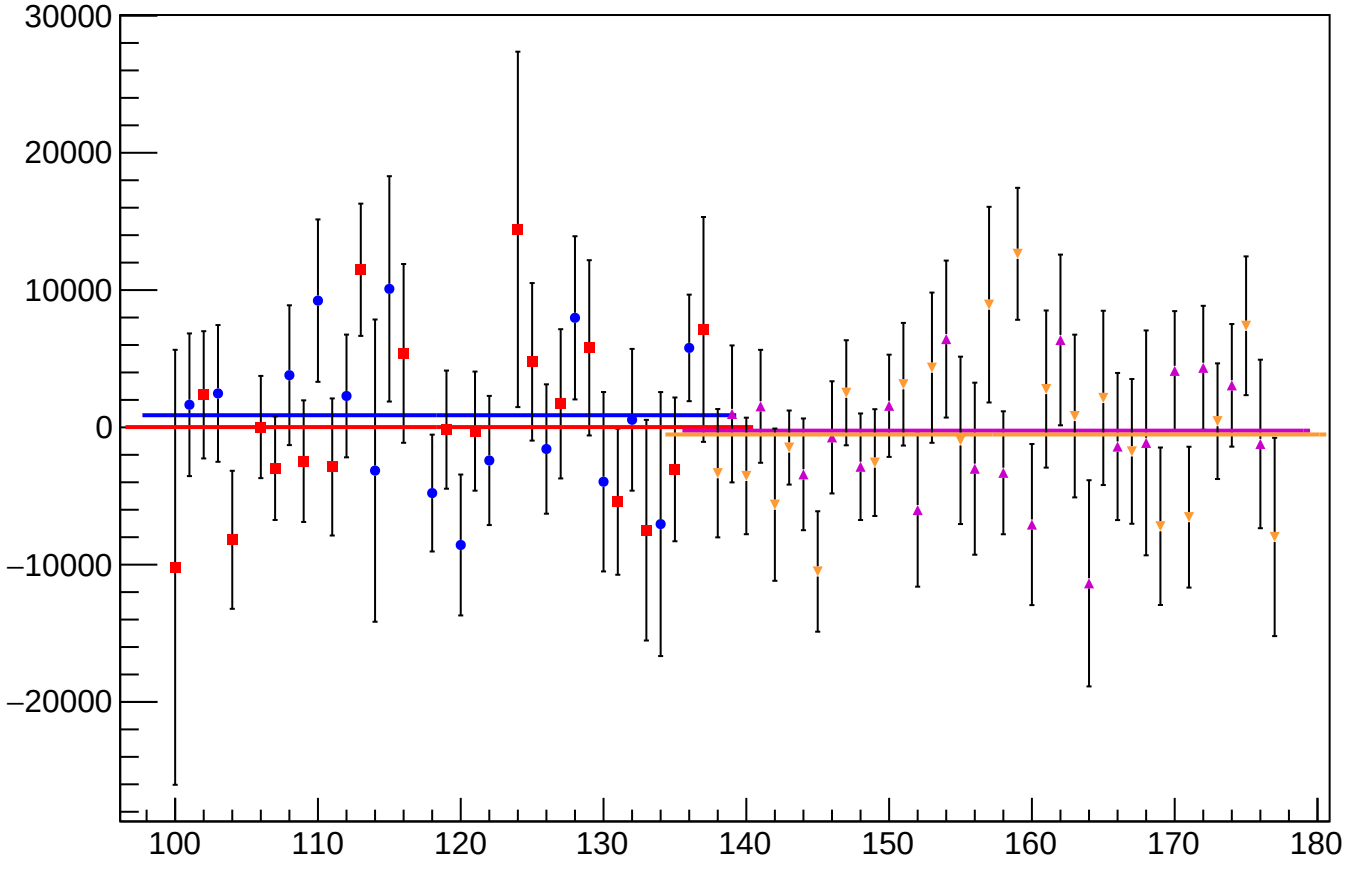
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1307.713+/-0.195 χ^2/NDF:546959.0/34

Out: 1287.885+/-0.187 χ^2/NDF:424994.4/39

All: 1297.382+/-0.135 χ^2/NDF: 977340.1/74

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: -517.647+/-1034.802 χ^2/NDF:25.6/20

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -239.932+/-1120.053 χ^2/NDF:12.0/18

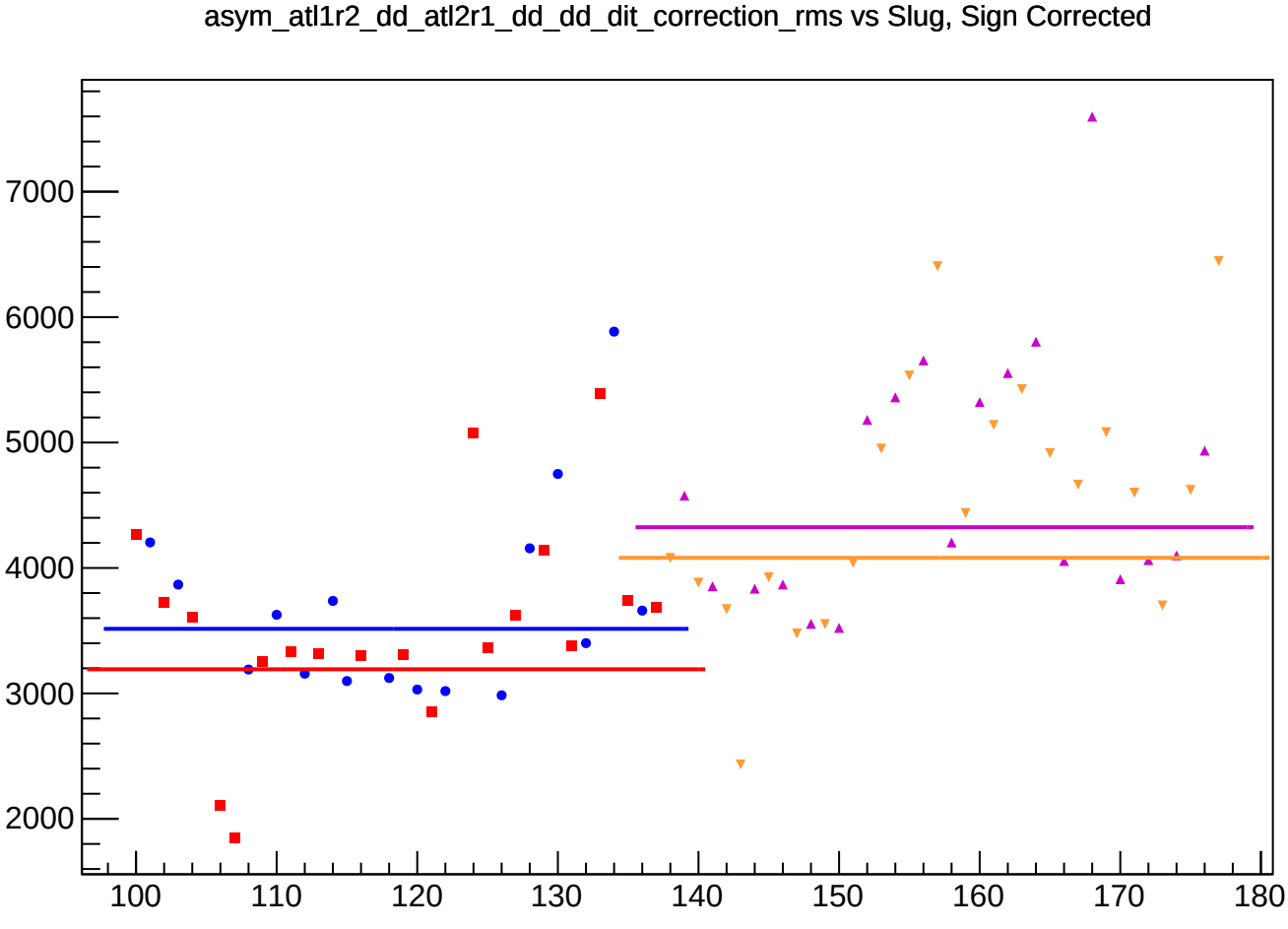
Left: -389.759+/-760.070 χ^2/NDF: 37.6/39

Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 227.518+/-856.028 χ^2/NDF:26.5/34

Out: -288.063+/-783.671 χ^2/NDF:42.5/39

All: -52.980+/-578.030 χ^2/NDF: 69.3/74



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4081.017+/-0.732 χ^2/NDF:1803960.9/20

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4324.914+/-0.792 χ^2/NDF:1048985.0/18

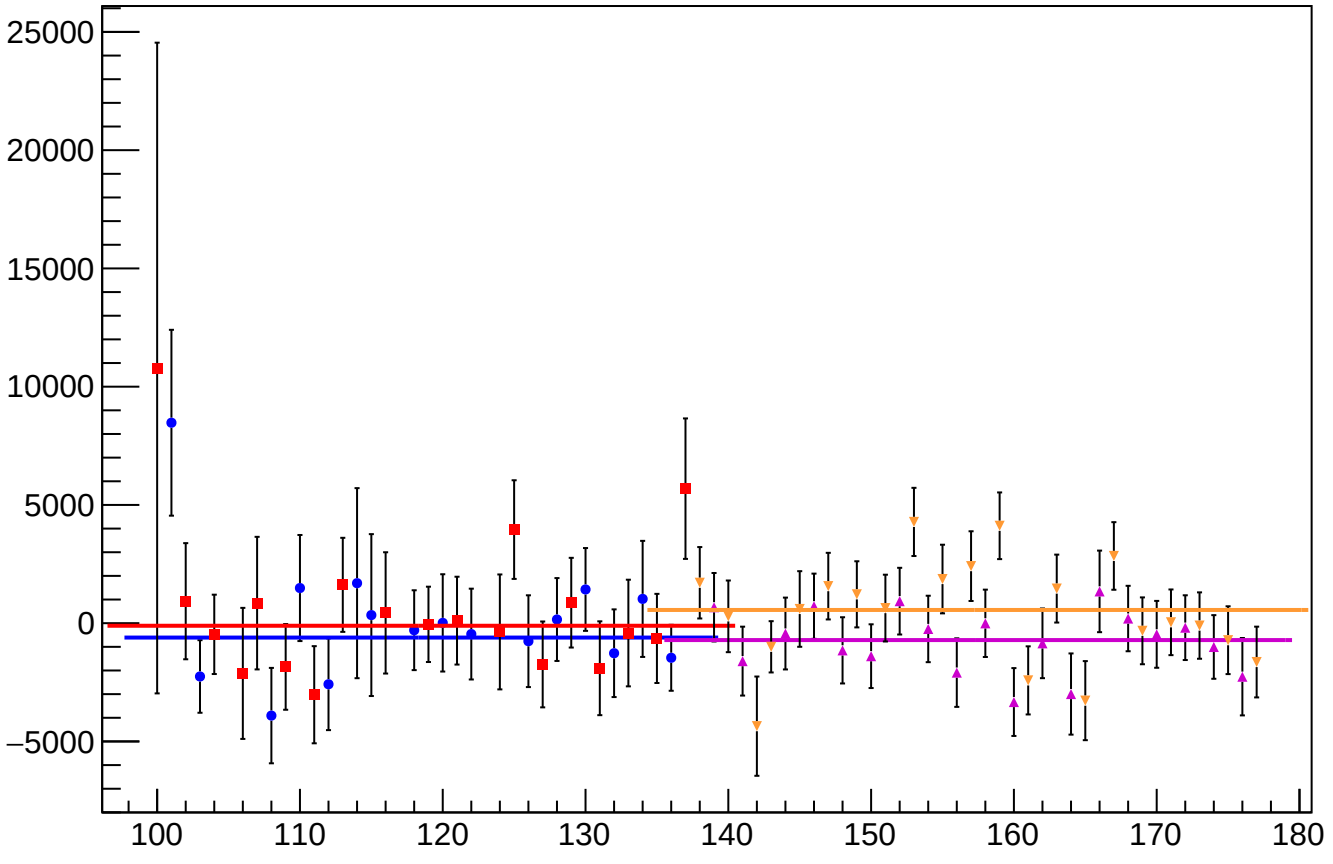
Left: 4193.331+/-0.537 χ^2/NDF: 2904108.9/39

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3987.977+/-0.605 χ^2/NDF:1859250.4/34

Out: 3701.960+/-0.554 χ^2/NDF:3205716.7/39

All: 3832.372+/-0.409 χ^2/NDF: 5186437.6/74



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 559.039+/-315.347 χ^2/NDF:40.5/20

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -714.052+/-332.363 χ^2/NDF:13.5/18

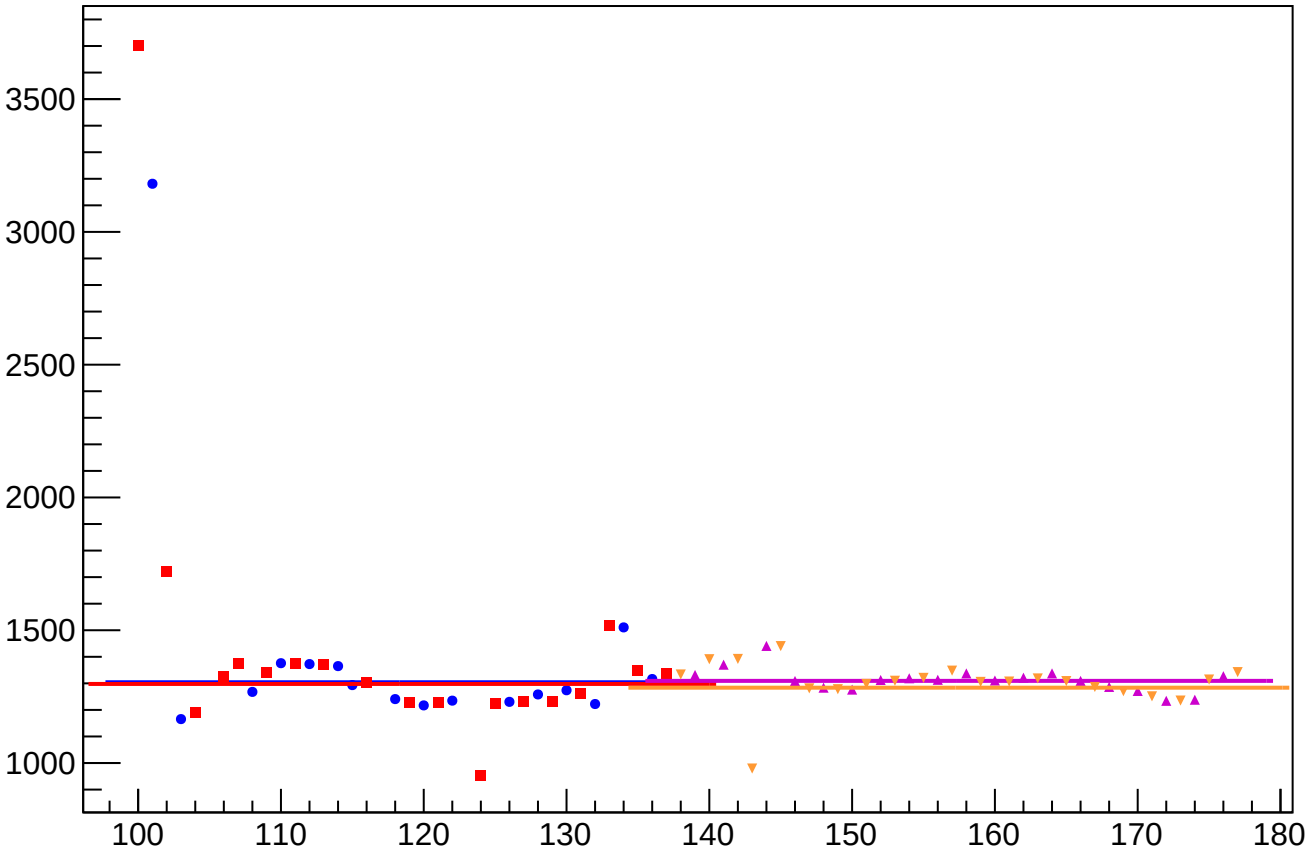
Left: -44.084+/-228.763 χ^2/NDF: 61.7/39

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -680.970+/-275.791 χ^2/NDF:27.6/34

Out: 360.968+/-264.466 χ^2/NDF:56.7/39

All: -138.169+/-190.884 χ^2/NDF: 91.8/74



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1283.700+/-0.223 χ^2/NDF:210712.2/20

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1309.348+/-0.235 χ^2/NDF:36215.6/18

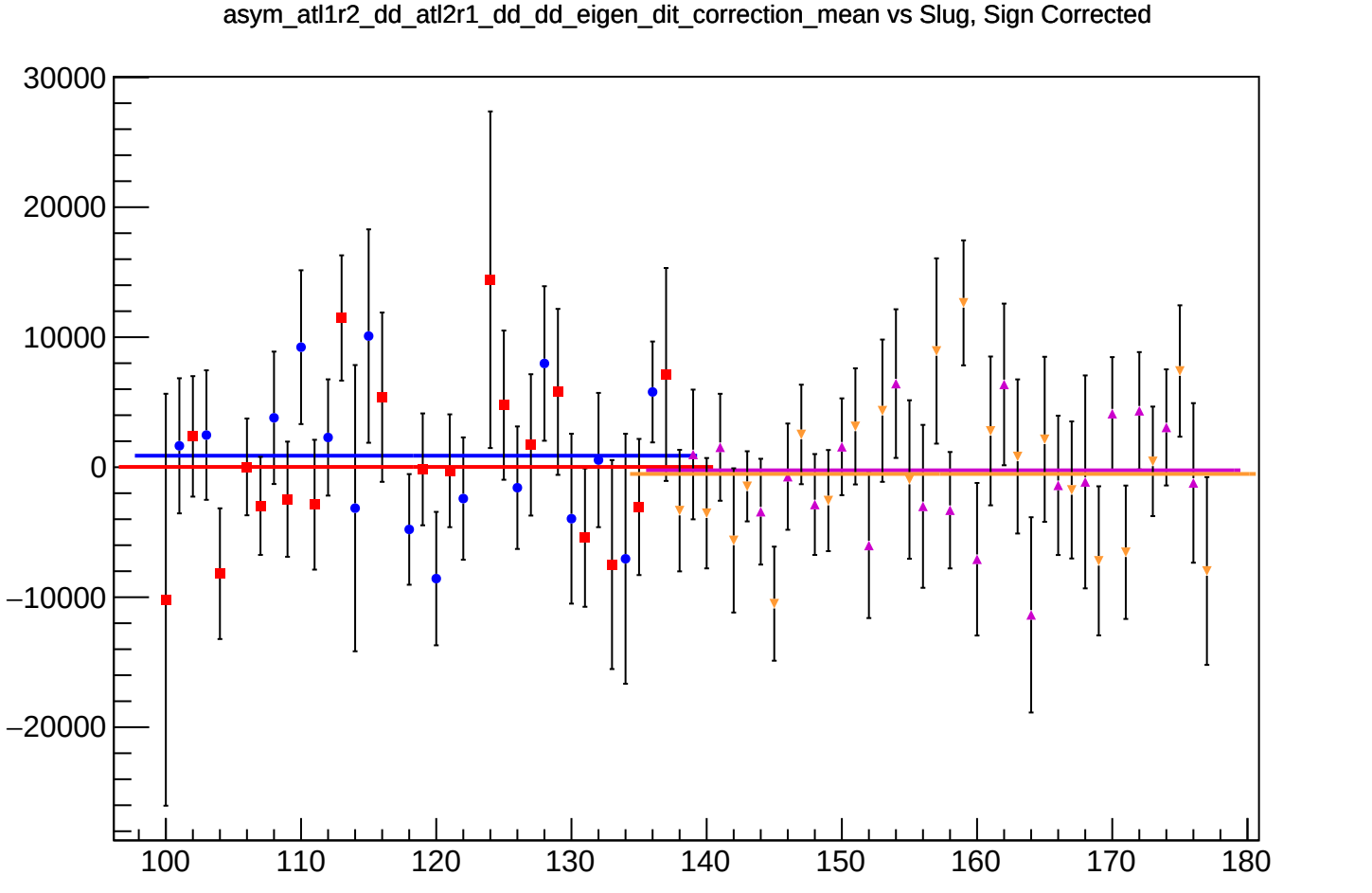
Left: 1295.850+/-0.162 χ^2/NDF: 253195.5/39

Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1307.714+/-0.195 χ^2/NDF:546960.3/34

Out: 1287.886+/-0.187 χ^2/NDF:424996.0/39

All: 1297.382+/-0.135 χ^2/NDF: 977343.1/74



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -517.645+/-1034.804 χ^2/NDF:25.6/20

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -239.931+/-1120.055 χ^2/NDF:12.0/18

Left: -389.758+/-760.071 χ^2/NDF: 37.6/39

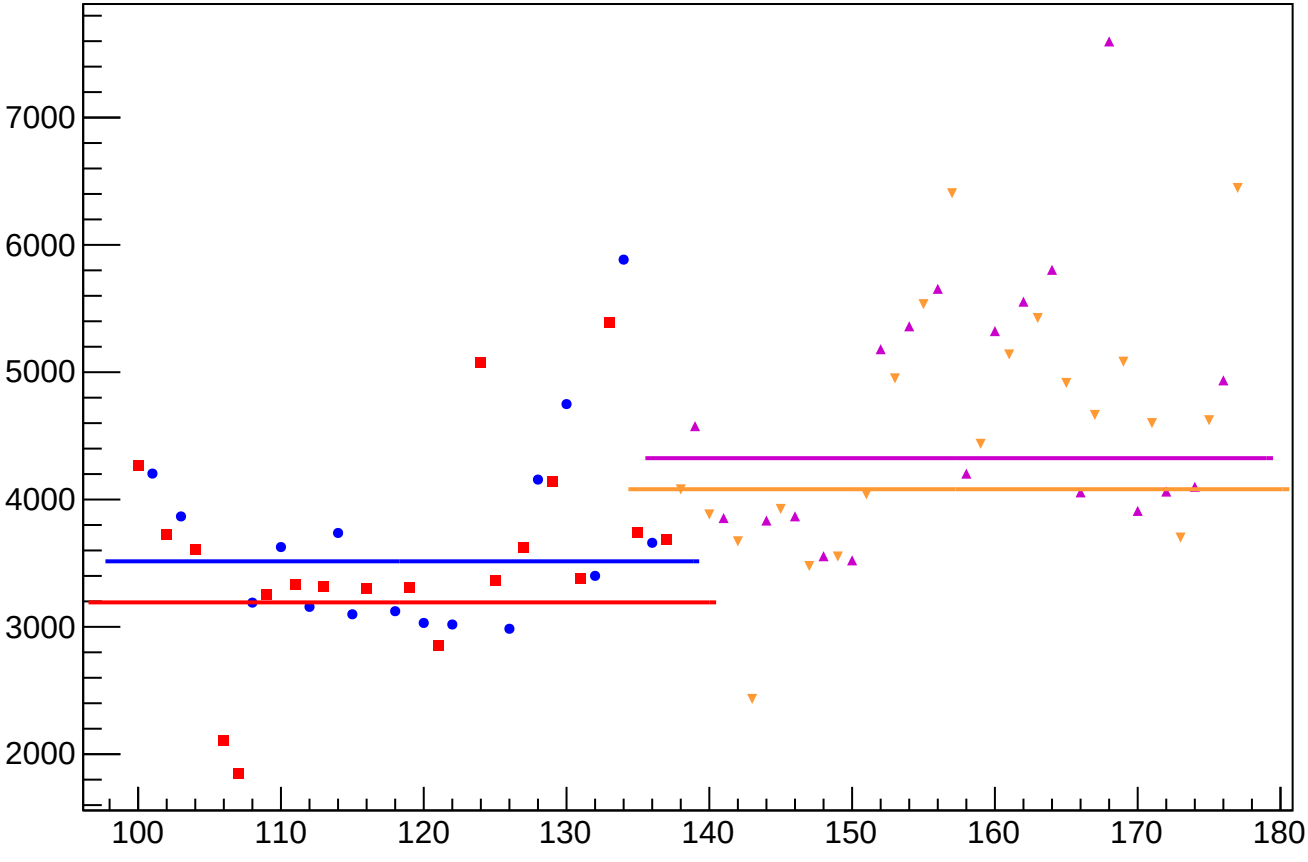
Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 227.516+/-856.028 χ^2/NDF:26.5/34

Out: -288.063+/-783.670 χ^2/NDF:42.5/39

All: -52.981+/-578.029 χ^2/NDF: 69.3/74

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: 4081.023+/-0.732 χ^2/NDF:1803962.4/20

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4324.920+/-0.792 χ^2/NDF:1048987.2/18

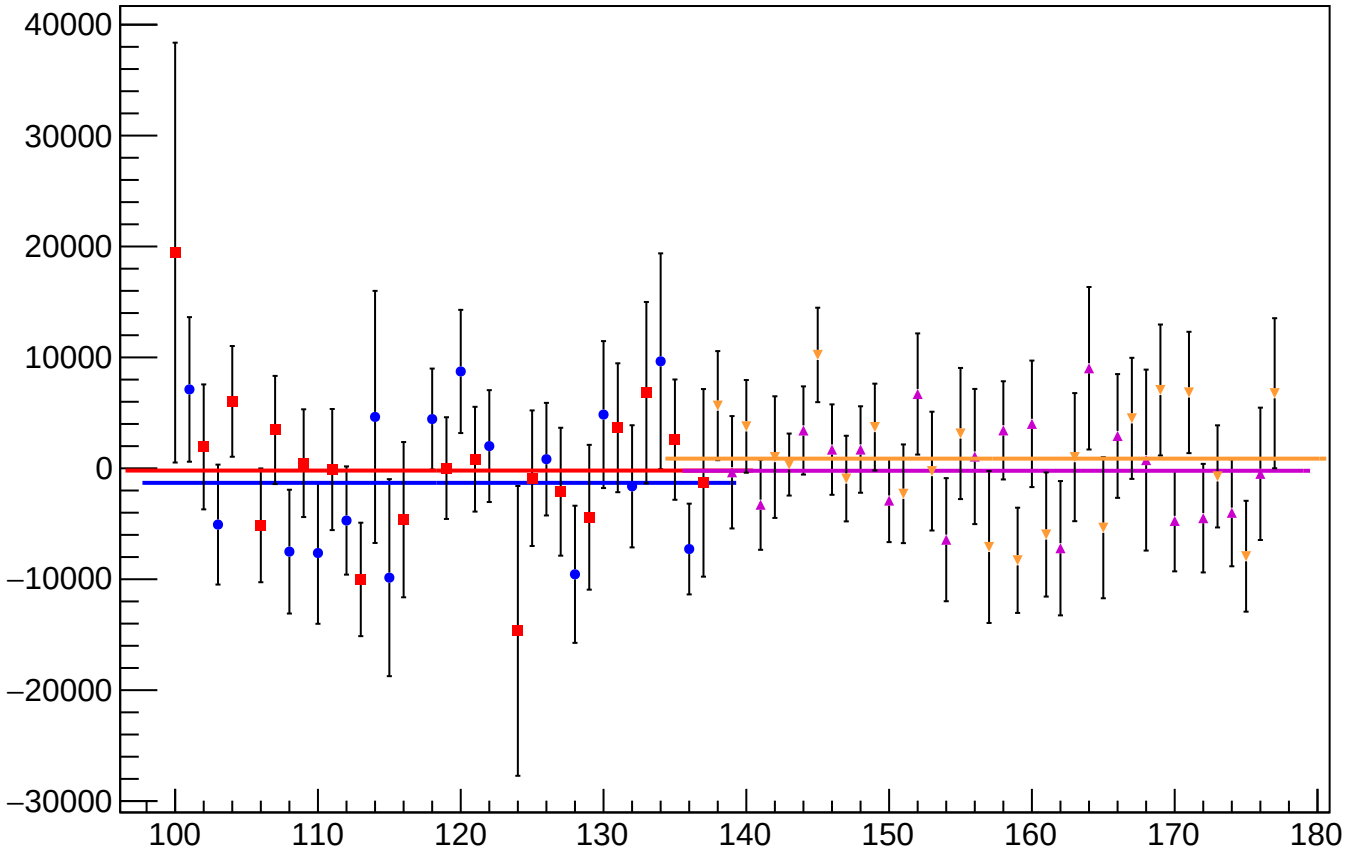
Left: 4193.338+/-0.537 χ^2/NDF: 2904112.5/39

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3987.975+/-0.605 χ^2/NDF:1859274.2/34

Out: 3701.959+/-0.554 χ^2/NDF:3205741.6/39

All: 3832.370+/-0.409 χ^2/NDF: 5186486.0/74



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 874.387+/-1043.434 χ^2/NDF:22.0/20

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: -220.440+/-1125.949 χ^2/NDF:12.1/18

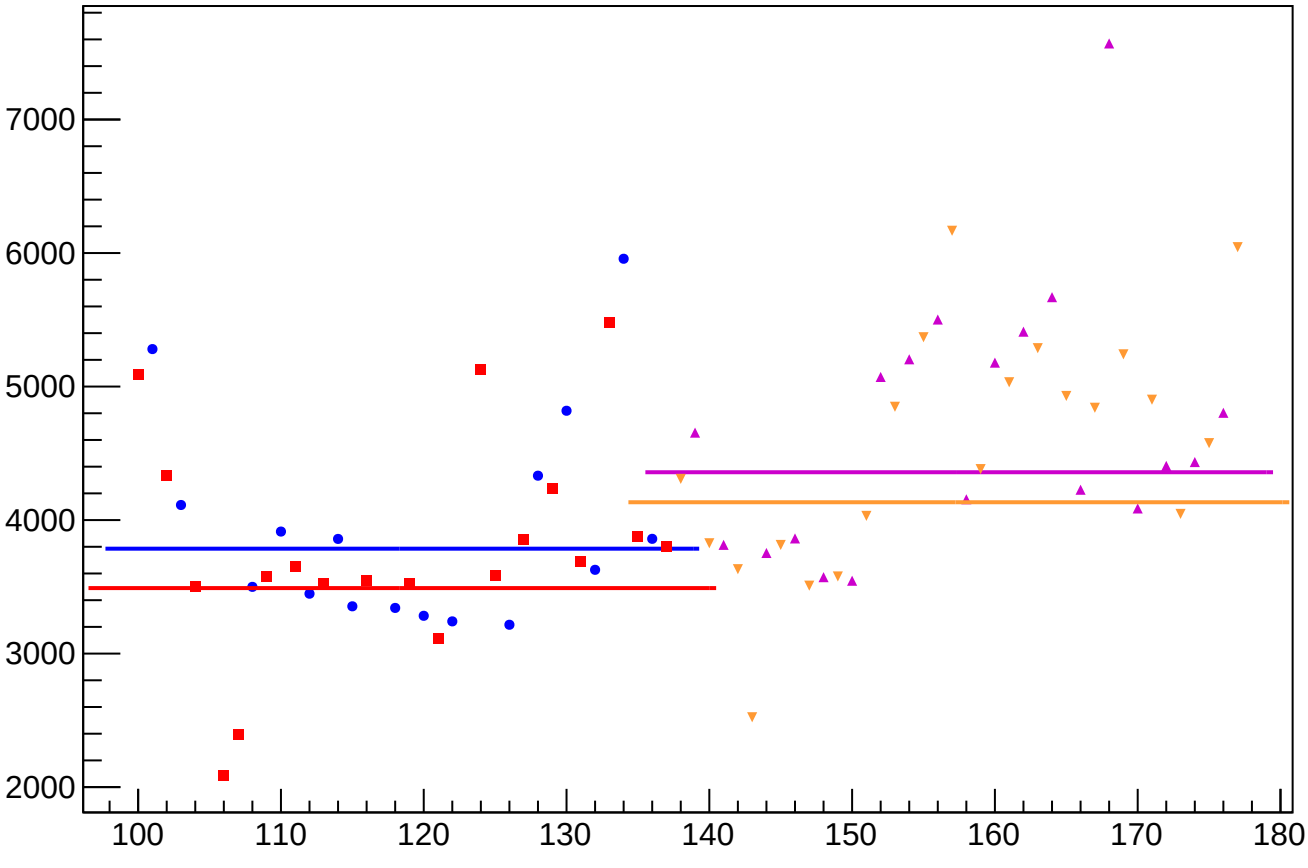
Left: 368.557+/-765.330 χ^2/NDF: 34.6/39

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -636.584+/-885.024 χ^2/NDF:30.1/34

Out: 466.749+/-822.360 χ^2/NDF:34.0/39

All: -44.478+/-602.433 χ^2/NDF: 64.9/74



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4133.516+/-0.738 χ^2/NDF:1585866.2/20

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4358.299+/-0.796 χ^2/NDF:945027.1/18

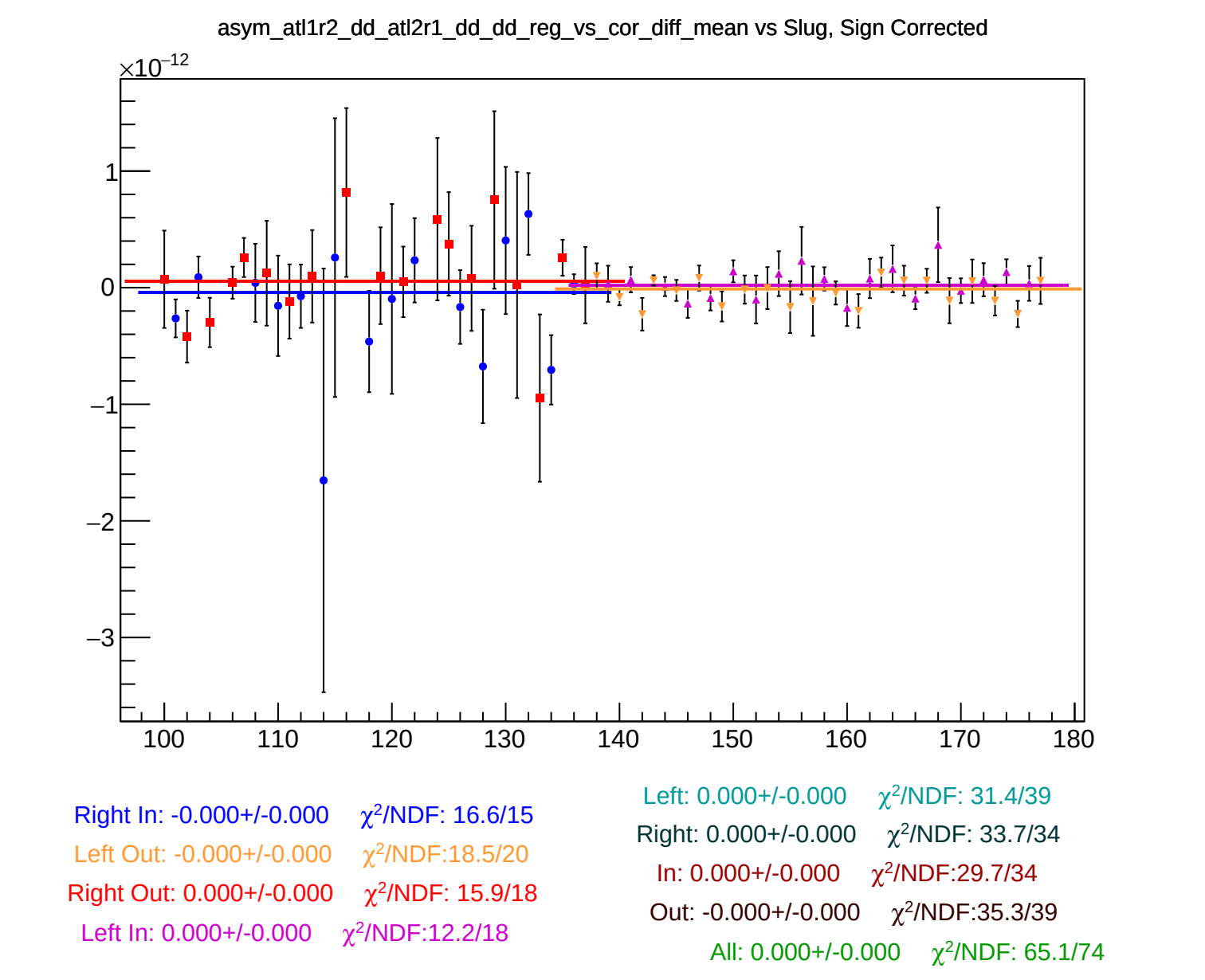
Left: 4237.370+/-0.541 χ^2/NDF: 2573776.6/39

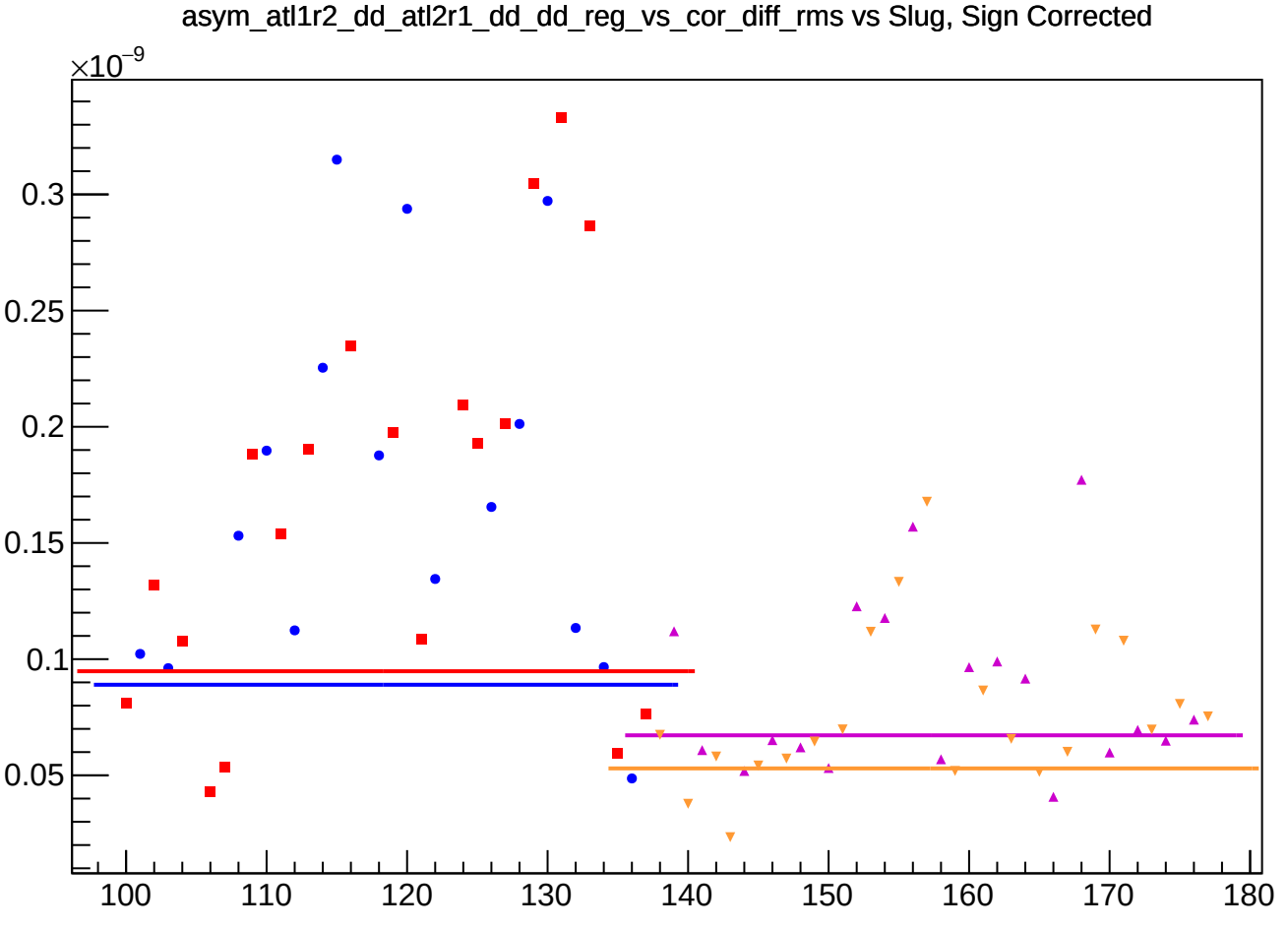
Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4139.497+/-0.626 χ^2/NDF:1525643.6/34

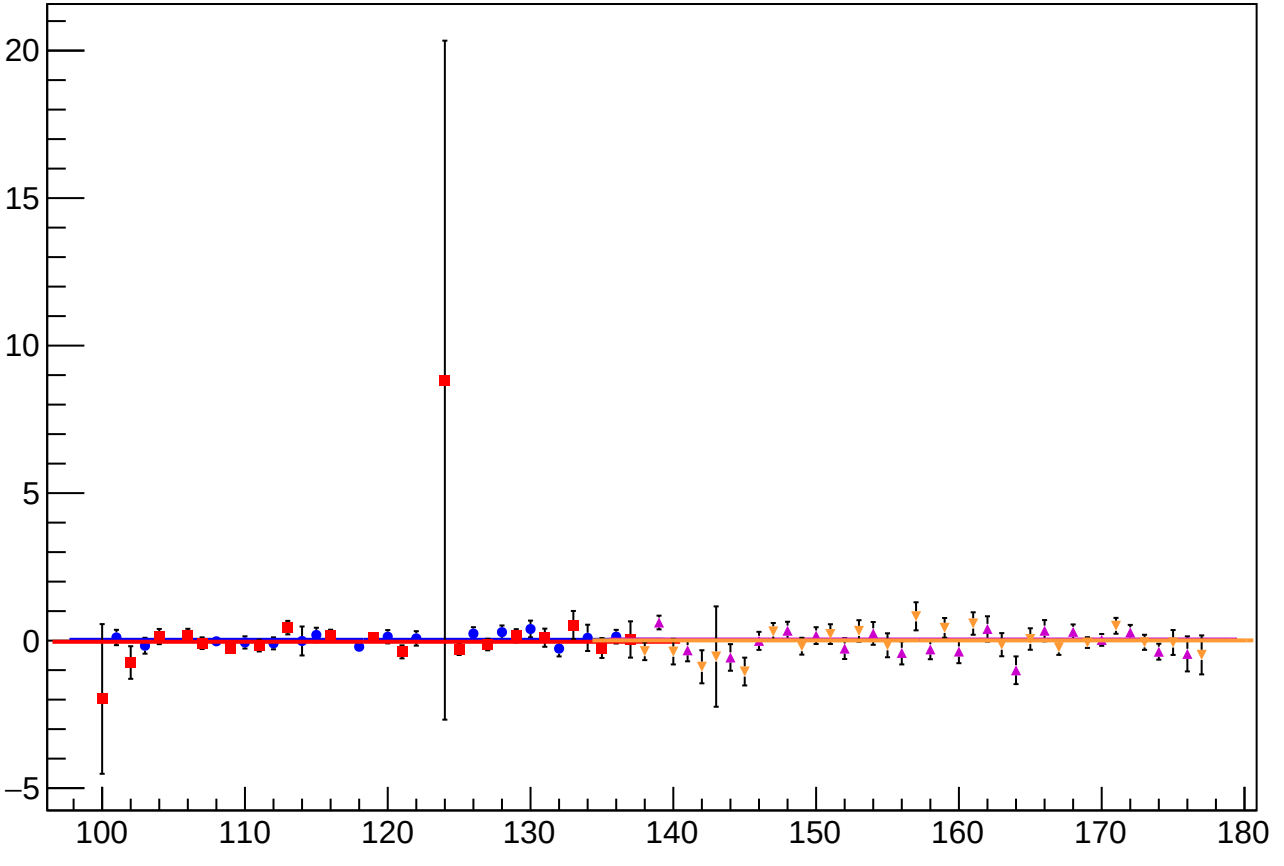
Out: 3885.783+/-0.578 χ^2/NDF:2465150.4/39

All: 4002.680+/-0.425 χ^2/NDF: 4079429.5/74


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:18.5/20
Right Out: 0.000+/-0.000 χ²/NDF: 15.9/18
Left In: 0.000+/-0.000 χ²/NDF:12.2/18
Left: 0.000+/-0.000 χ²/NDF: 31.4/39
Right: 0.000+/-0.000 χ²/NDF: 33.7/34
In: 0.000+/-0.000 χ²/NDF:29.7/34
Out: -0.000+/-0.000 χ²/NDF:35.3/39
All: 0.000+/-0.000 χ²/NDF: 65.1/74


asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1460718.5/15
Left Out: 0.000+/-0.000 χ²/NDF:2547856.2/20
Right Out: 0.000+/-0.000 χ²/NDF: 1734601.4/18
Left In: 0.000+/-0.000 χ²/NDF:1380140.5/18
Left: 0.000+/-0.000 χ²/NDF: 4222315.4/39
Right: 0.000+/-0.000 χ²/NDF: 3204262.4/34
In: 0.000+/-0.000 χ²/NDF:3060442.4/34
Out: 0.000+/-0.000 χ²/NDF:5037116.3/39
All: 0.000+/-0.000 χ²/NDF: 8415214.6/74

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: 0.008+/-0.073 χ^2/NDF:24.8/20

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.037+/-0.072 χ^2/NDF:25.8/18

Left: 0.023+/-0.051 χ^2/NDF: 50.8/39

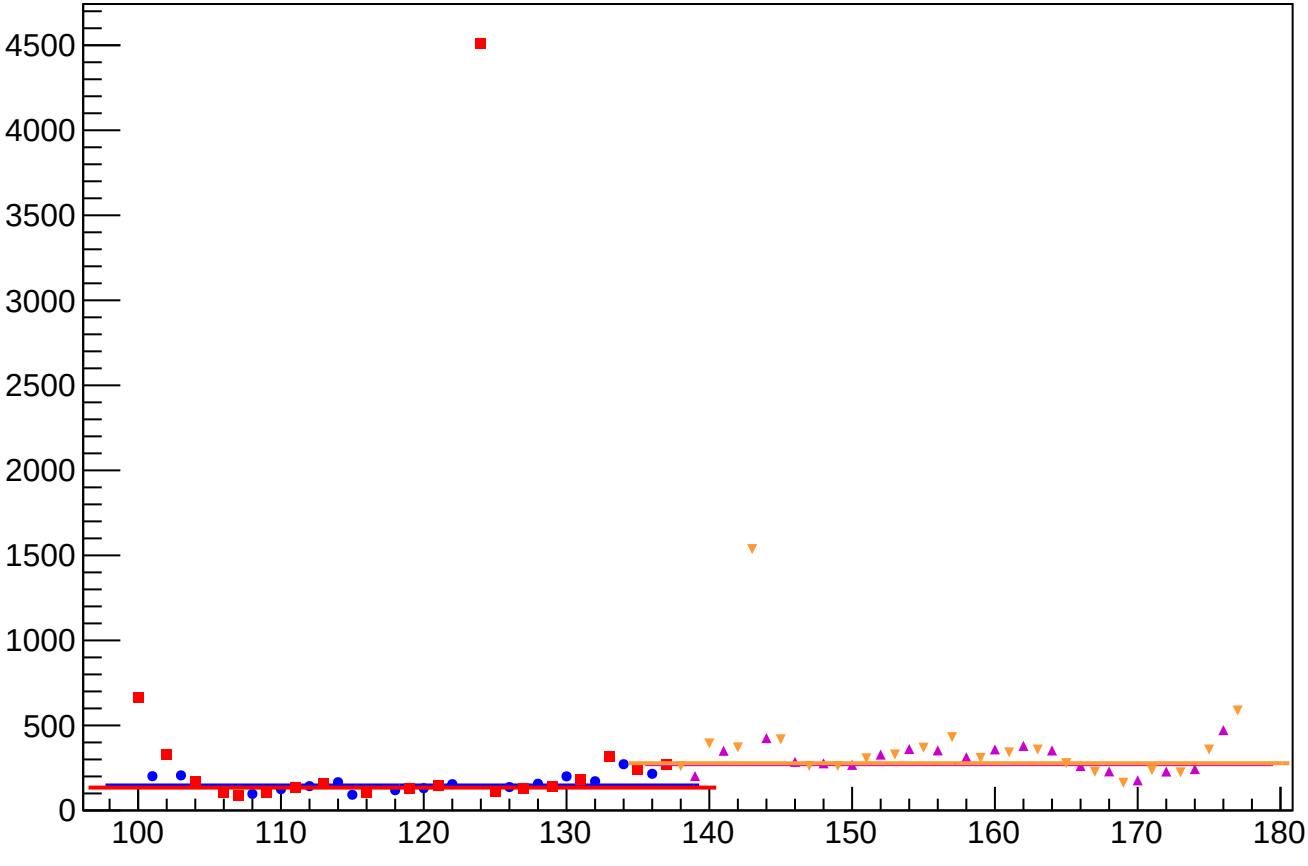
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.031+/-0.045 χ^2/NDF:35.3/34

Out: -0.022+/-0.044 χ^2/NDF:45.1/39

All: 0.004+/-0.031 χ^2/NDF: 81.1/74

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 277.862+/-0.052 χ^2/NDF:3536745.3/20

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 272.245+/-0.051 χ^2/NDF:1877539.7/18

Left: 275.026+/-0.036 χ^2/NDF: 5420271.0/39

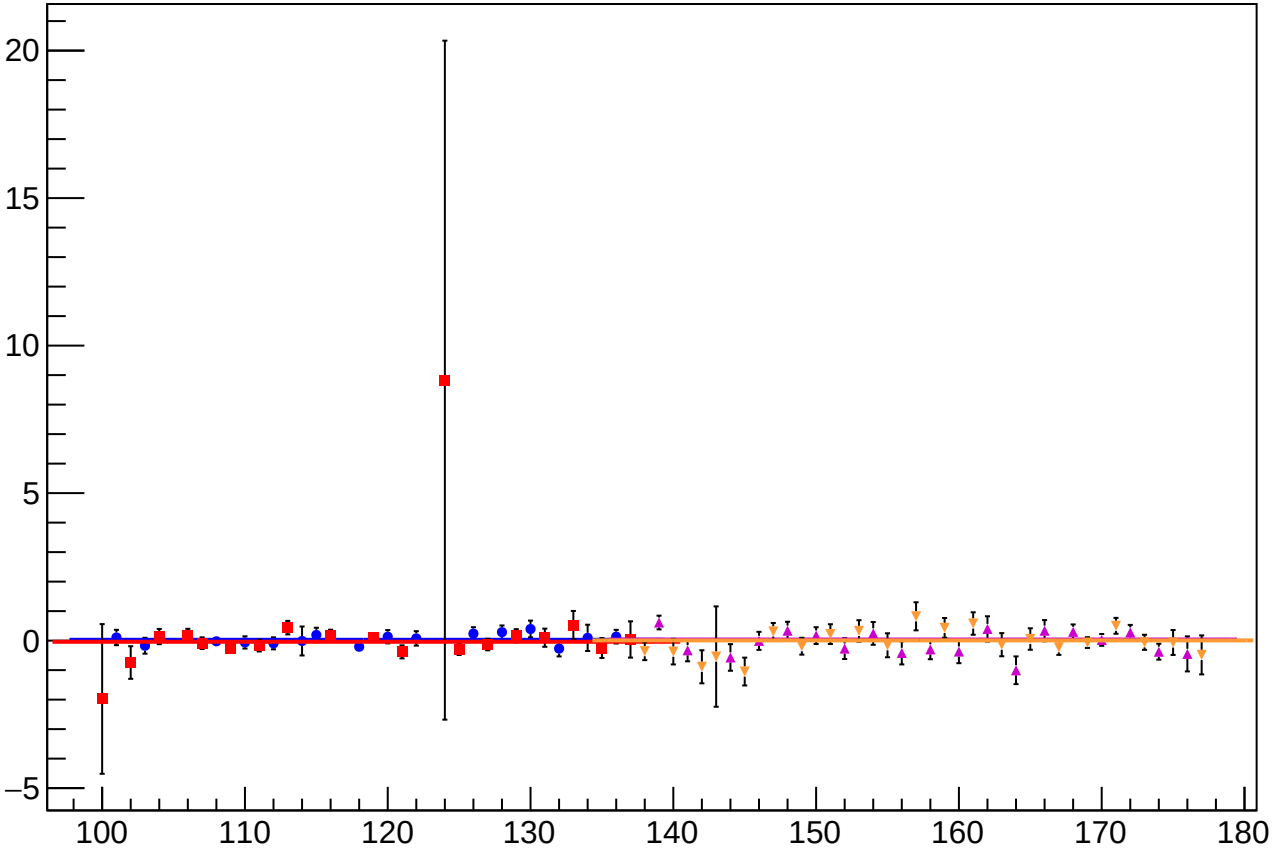
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 195.682+/-0.032 χ^2/NDF:6556599.8/34

Out: 186.188+/-0.031 χ^2/NDF:10081368.0/39

All: 190.798+/-0.022 χ^2/NDF: 16683591.3/74

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: 0.008+/-0.073 χ^2/NDF:24.8/20

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.037+/-0.072 χ^2/NDF:25.8/18

Left: 0.023+/-0.051 χ^2/NDF: 50.8/39

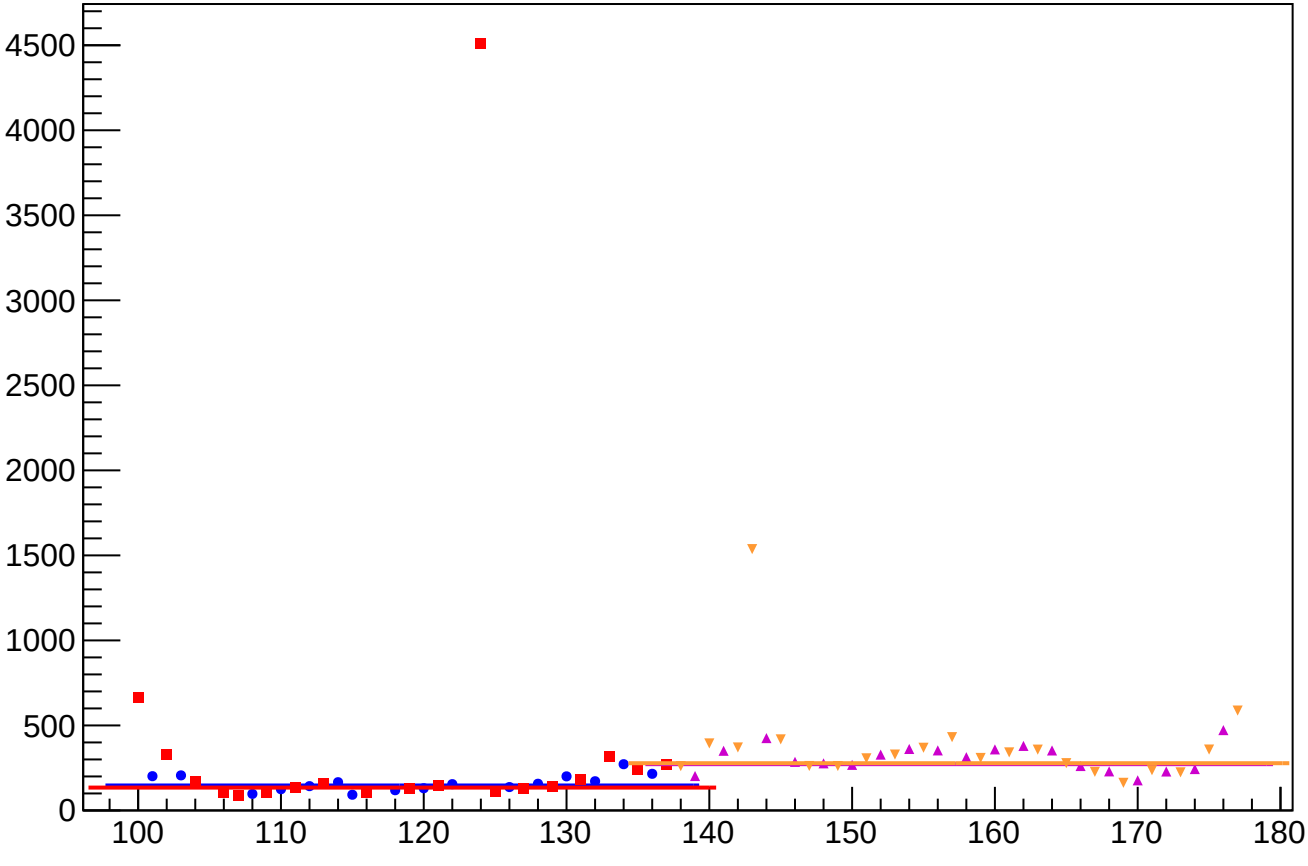
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.031+/-0.045 χ^2/NDF:35.3/34

Out: -0.022+/-0.044 χ^2/NDF:45.1/39

All: 0.004+/-0.031 χ^2/NDF: 81.1/74

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: 277.862+/-0.052 χ^2/NDF:3536745.3/20

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 272.245+/-0.051 χ^2/NDF:1877539.7/18

Left: 275.026+/-0.036 χ^2/NDF: 5420271.0/39

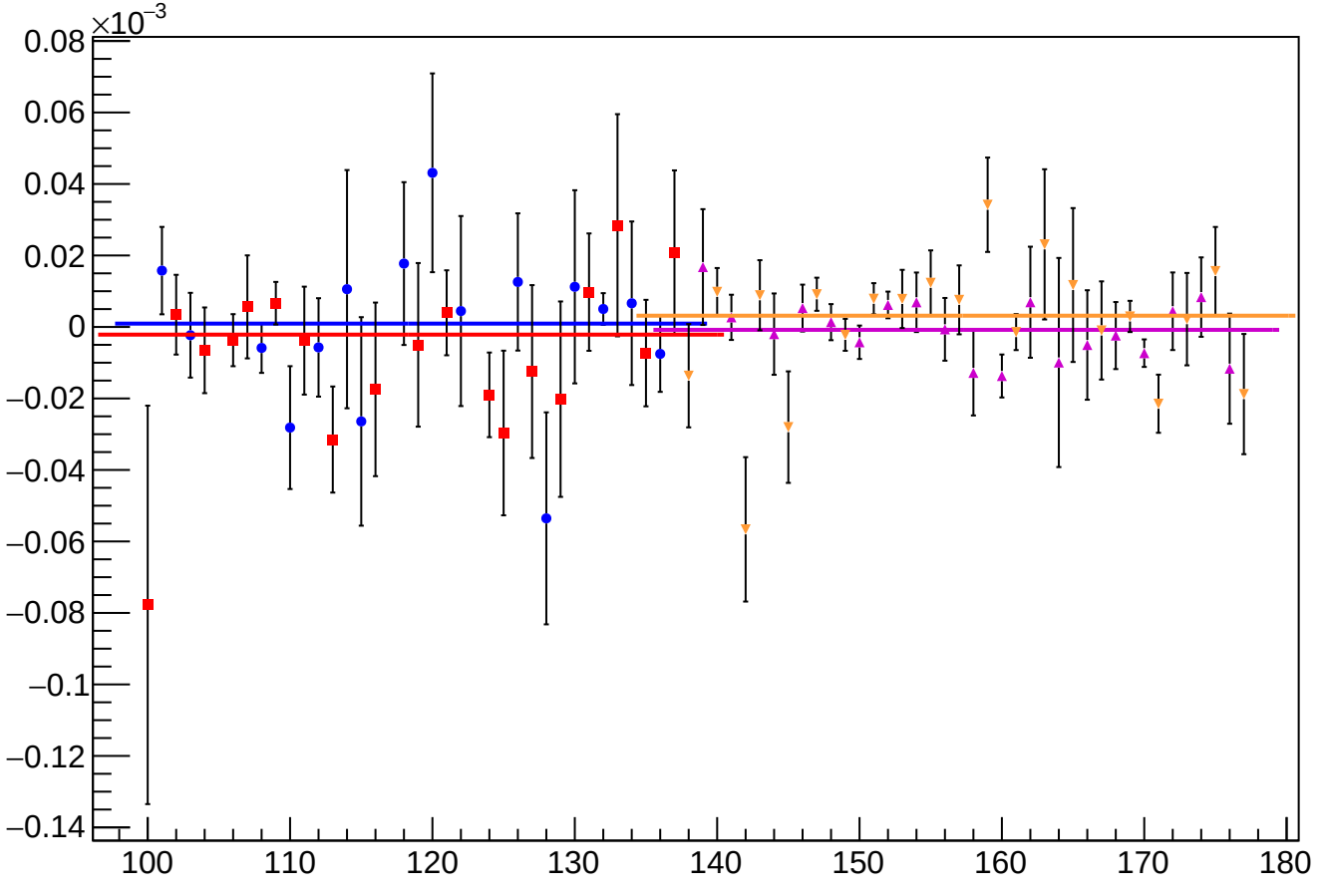
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 195.682+/-0.032 χ^2/NDF:6556599.8/34

Out: 186.188+/-0.031 χ^2/NDF:10081368.0/39

All: 190.798+/-0.022 χ^2/NDF: 16683591.3/74

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:40.7/20

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

Left In: -0.000+/-0.000 χ^2/NDF:17.8/18

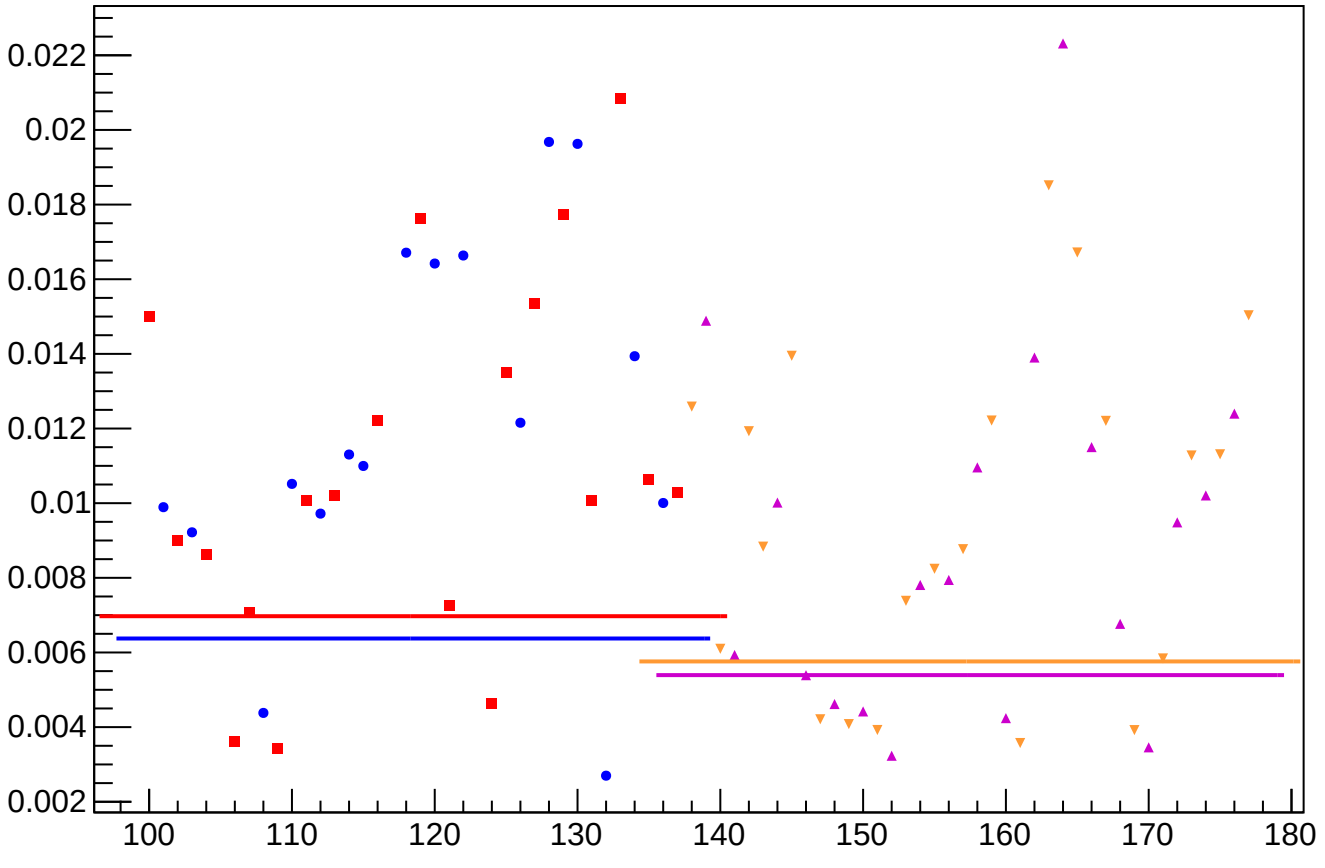
Left: 0.000+/-0.000 χ^2/NDF: 61.5/39

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: -0.000+/-0.000 χ^2/NDF:32.9/34

Out: 0.000+/-0.000 χ^2/NDF:59.1/39

All: 0.000+/-0.000 χ^2/NDF: 93.4/74



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:6952917.2/20

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:5892788.8/18

Left: 0.006+/-0.000 χ^2/NDF: 12896576.1/39

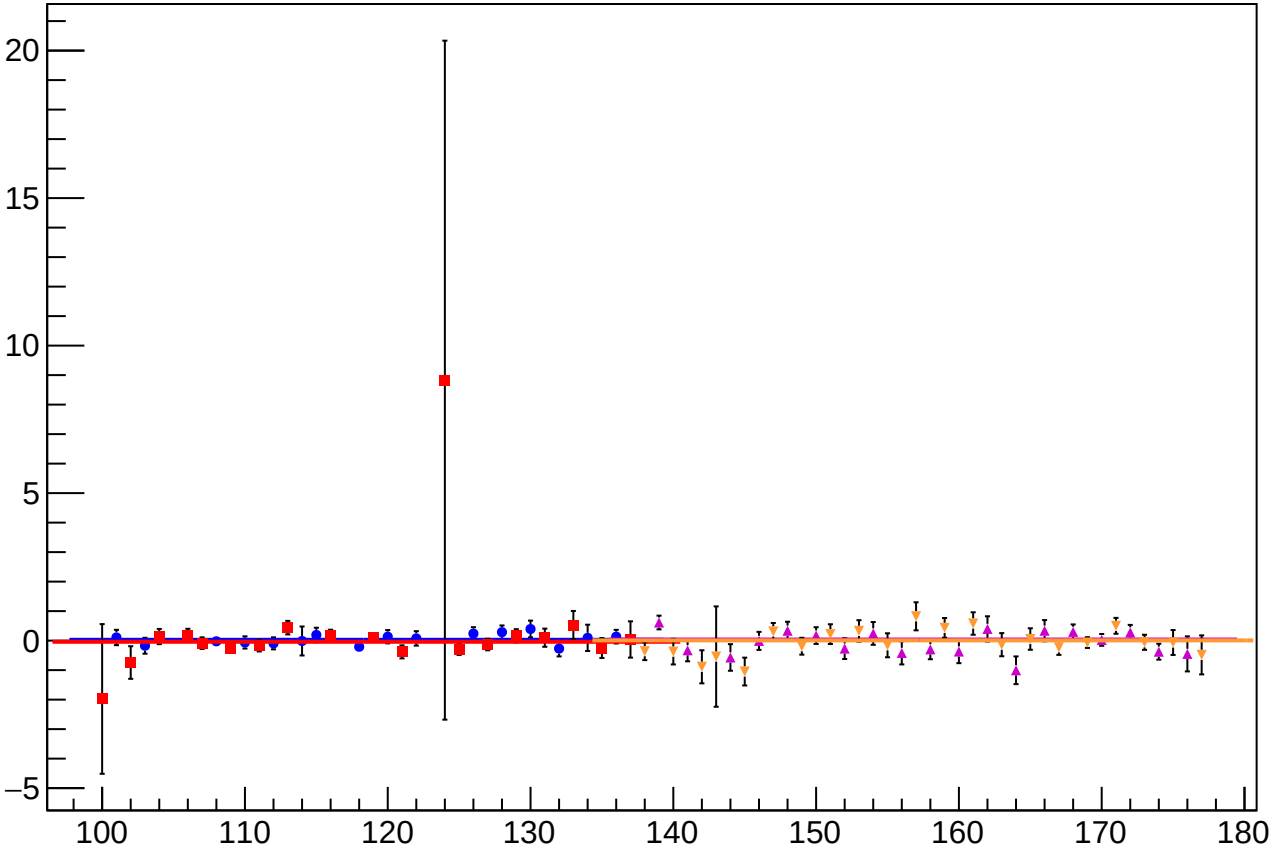
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:10705200.3/34

Out: 0.006+/-0.000 χ^2/NDF:10612034.2/39

All: 0.006+/-0.000 χ^2/NDF: 21403034.2/74

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: 0.008+/-0.073 χ^2/NDF:24.8/20

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.037+/-0.072 χ^2/NDF:25.8/18

Left: 0.023+/-0.051 χ^2/NDF: 50.8/39

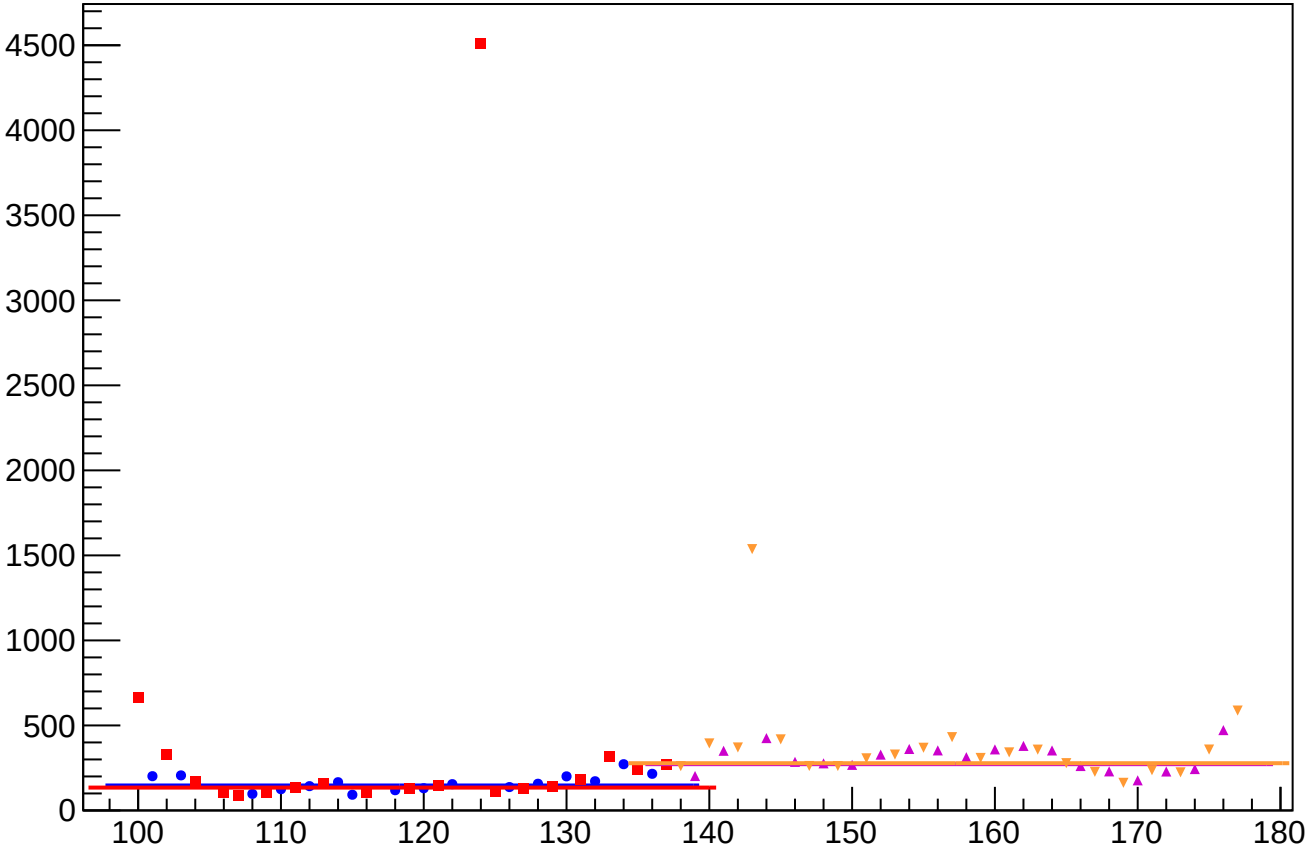
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.031+/-0.045 χ^2/NDF:35.3/34

Out: -0.022+/-0.044 χ^2/NDF:45.1/39

All: 0.004+/-0.031 χ^2/NDF: 81.1/74

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: 277.862+/-0.052 χ^2/NDF:3536897.0/20

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 272.247+/-0.051 χ^2/NDF:1877615.8/18

Left: 275.027+/-0.036 χ^2/NDF: 5420495.7/39

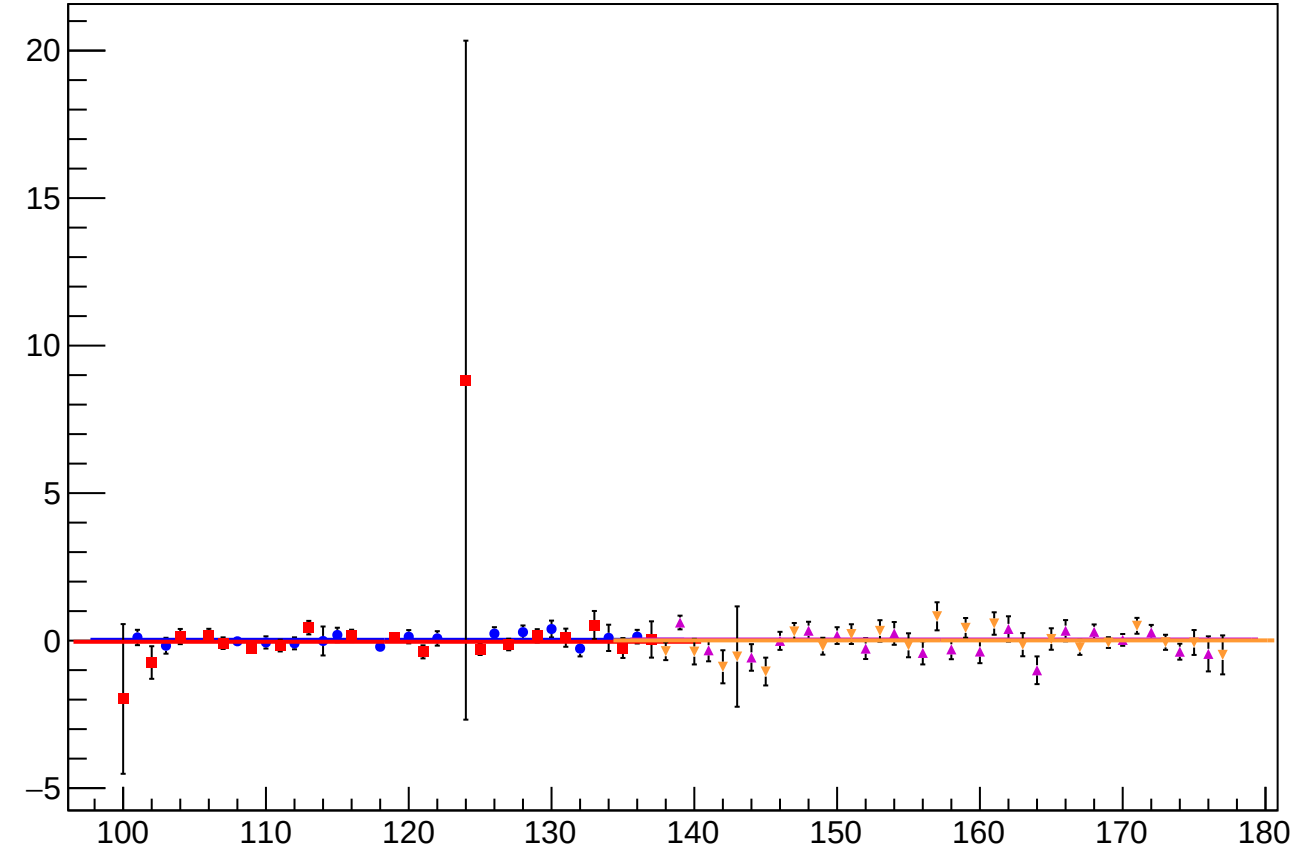
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 195.682+/-0.032 χ^2/NDF:6556680.4/34

Out: 186.189+/-0.031 χ^2/NDF:10081320.3/39

All: 190.799+/-0.022 χ^2/NDF: 16683613.6/74

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: 0.008+/-0.073 χ^2/NDF:24.8/20

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.037+/-0.072 χ^2/NDF:25.8/18

Left: 0.023+/-0.051 χ^2/NDF: 50.8/39

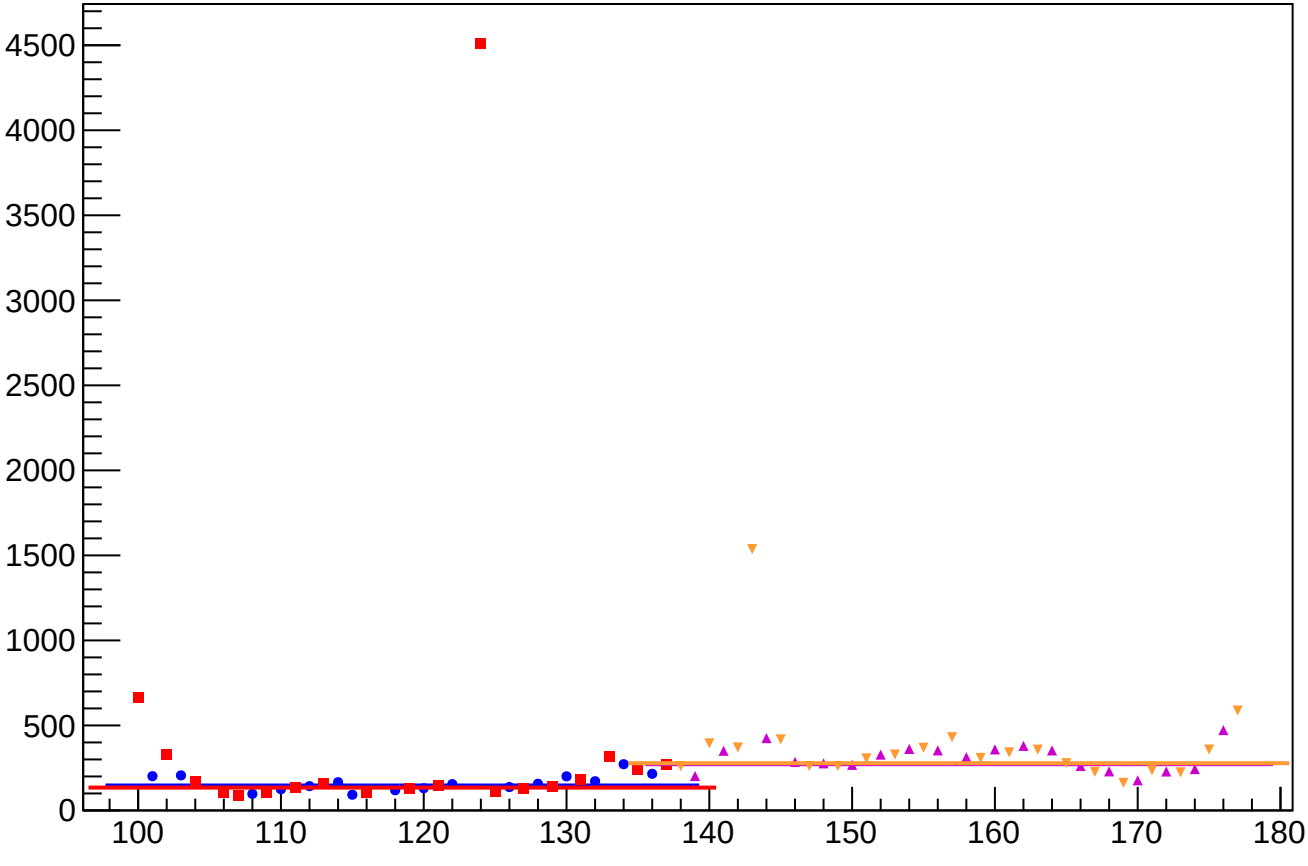
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.031+/-0.045 χ^2/NDF:35.3/34

Out: -0.022+/-0.044 χ^2/NDF:45.1/39

All: 0.004+/-0.031 χ^2/NDF: 81.1/74

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: 277.862+/-0.052 χ^2/NDF:3536897.0/20

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 272.247+/-0.051 χ^2/NDF:1877615.8/18

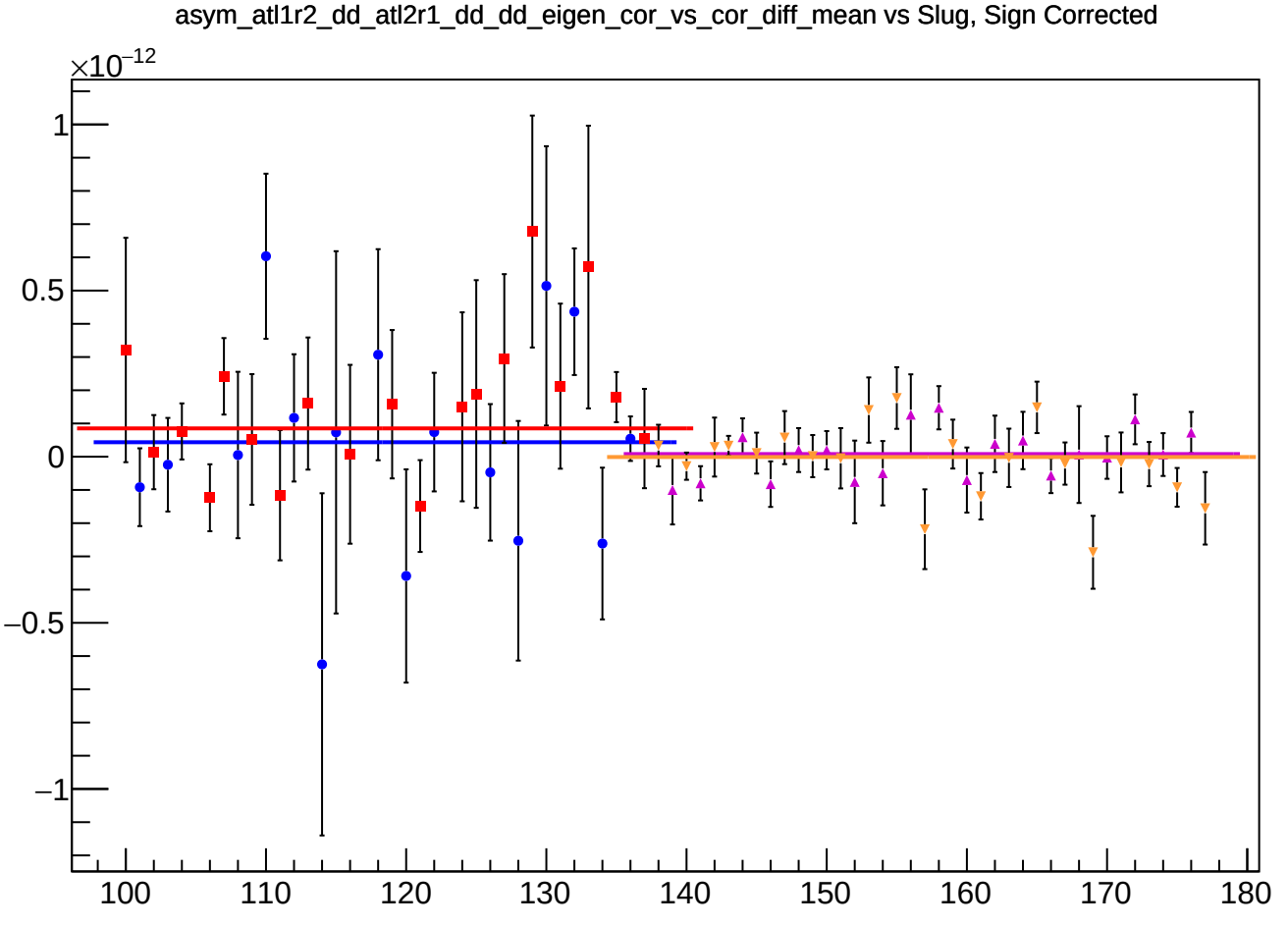
Left: 275.027+/-0.036 χ^2/NDF: 5420495.7/39

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 195.682+/-0.032 χ^2/NDF:6556680.4/34

Out: 186.189+/-0.031 χ^2/NDF:10081320.3/39

All: 190.799+/-0.022 χ^2/NDF: 16683613.6/74



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:18.5/18

Left: 0.000+/-0.000 χ^2/NDF: 48.8/39

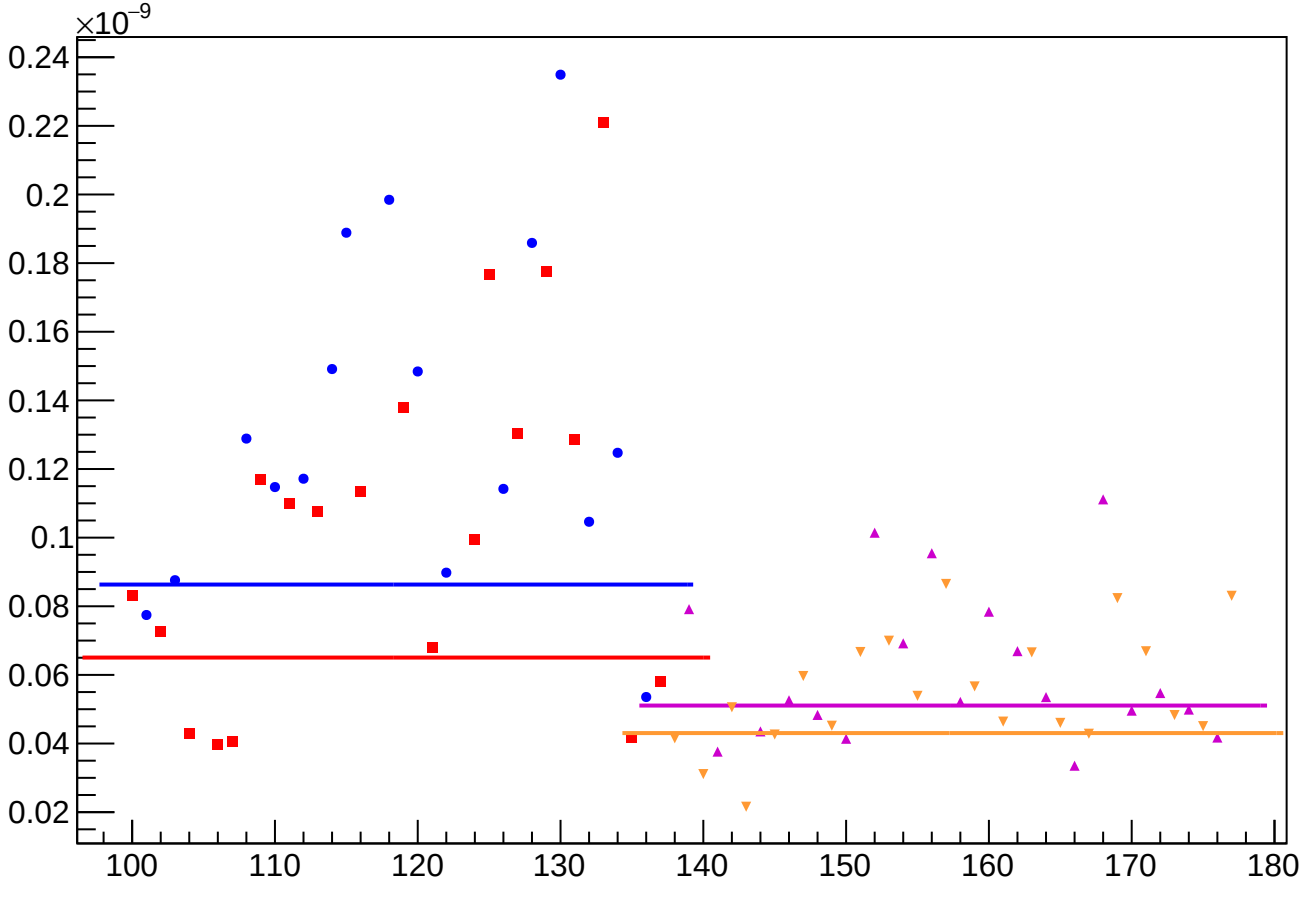
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:38.1/34

Out: 0.000+/-0.000 χ^2/NDF:53.8/39

All: 0.000+/-0.000 χ^2/NDF: 91.9/74

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:2798956.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1882647.6/18

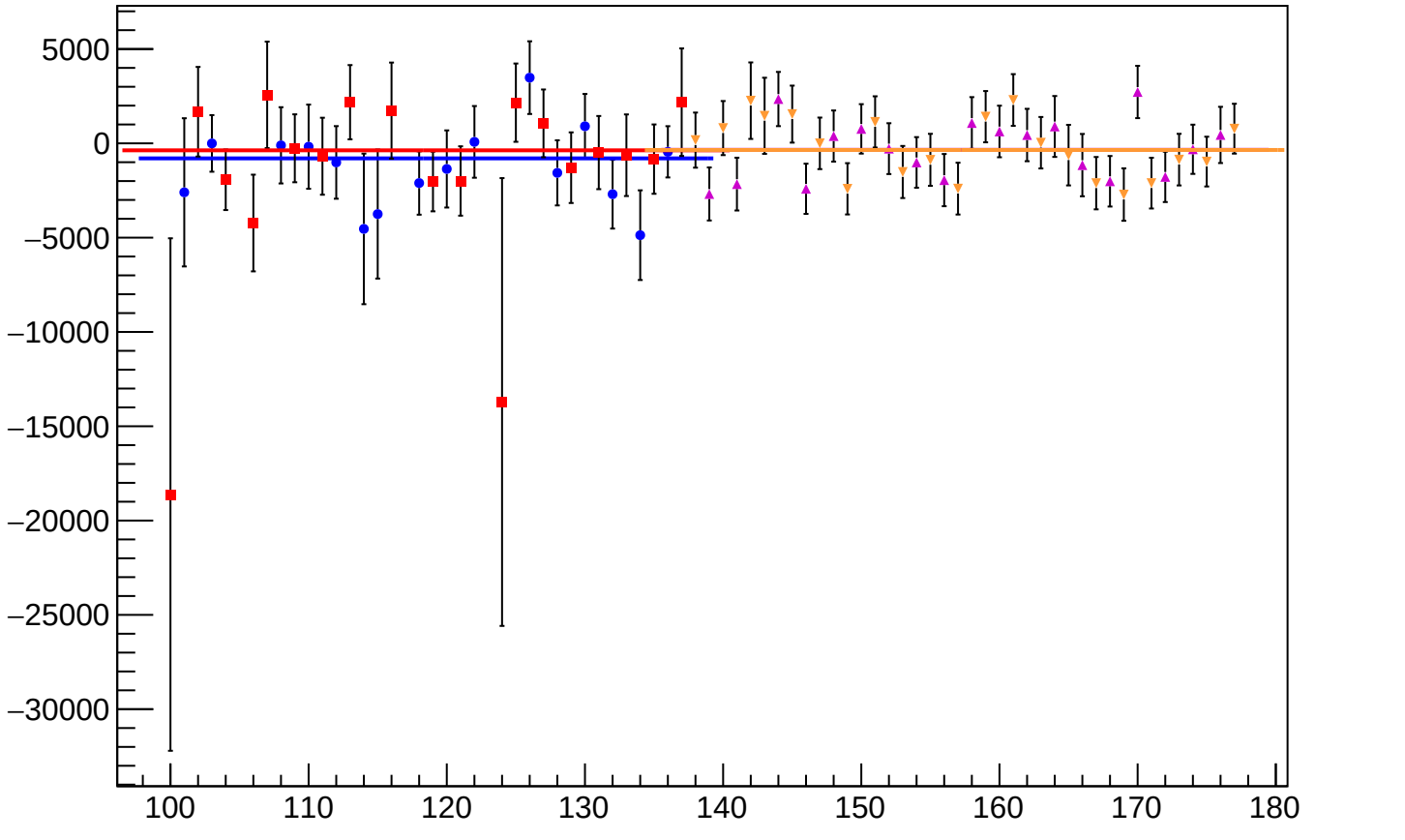
Left: 0.000+/-0.000 χ^2/NDF: 4953717.1/39

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:4634489.8/34

Out: 0.000+/-0.000 χ^2/NDF:5662511.0/39

All: 0.000+/-0.000 χ^2/NDF: 10723004.8/74



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -351.151+/-310.829 χ^2/NDF:24.3/20

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -344.707+/-318.942 χ^2/NDF:23.6/18

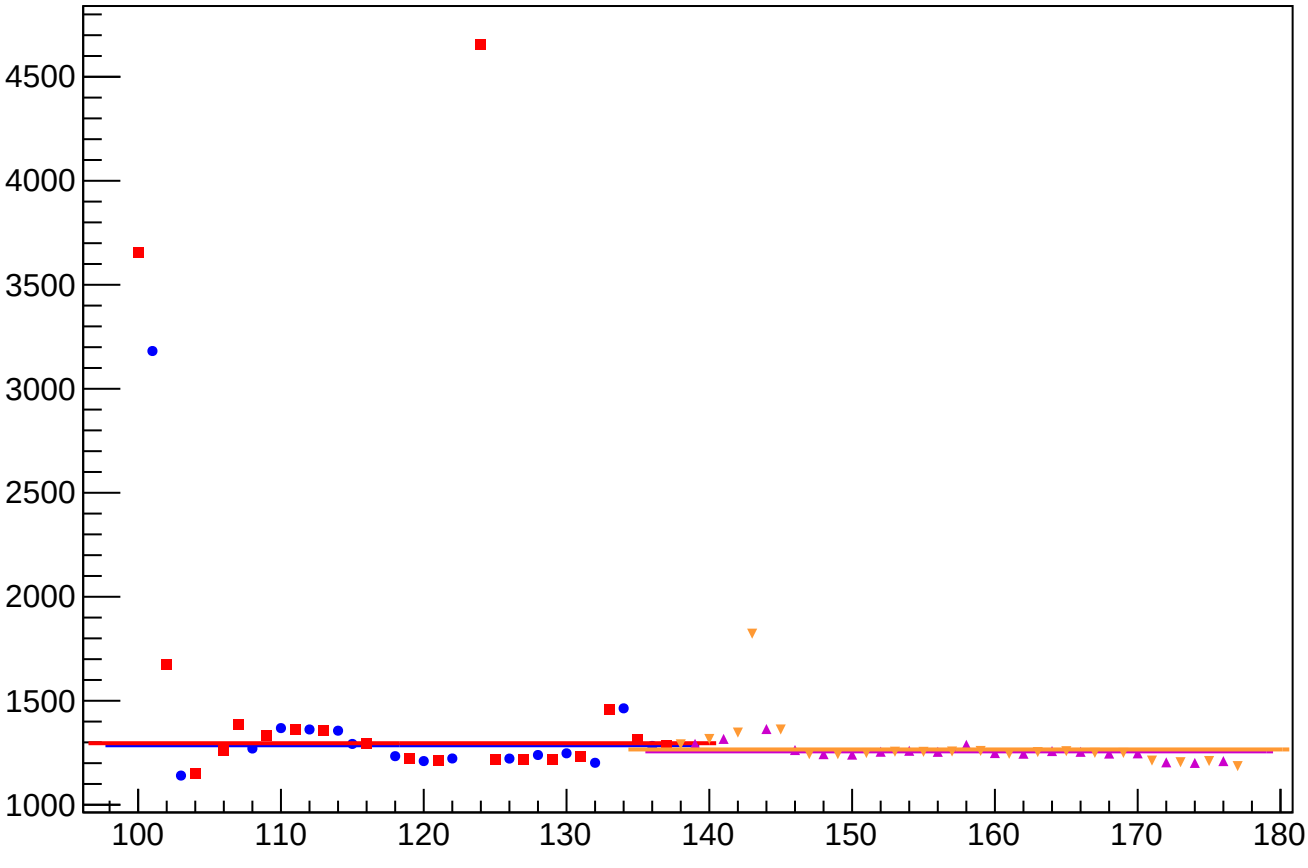
Left: -348.012+/-222.602 χ^2/NDF: 47.9/39

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -480.379+/-266.889 χ^2/NDF:37.6/34

Out: -356.629+/-261.827 χ^2/NDF:39.9/39

All: -417.319+/-186.904 χ^2/NDF: 77.6/74



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1265.948+/-0.220 χ^2/NDF:187824.7/20

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1256.800+/-0.226 χ^2/NDF:26886.1/18

Left: 1261.492+/-0.157 χ^2/NDF: 215554.7/39

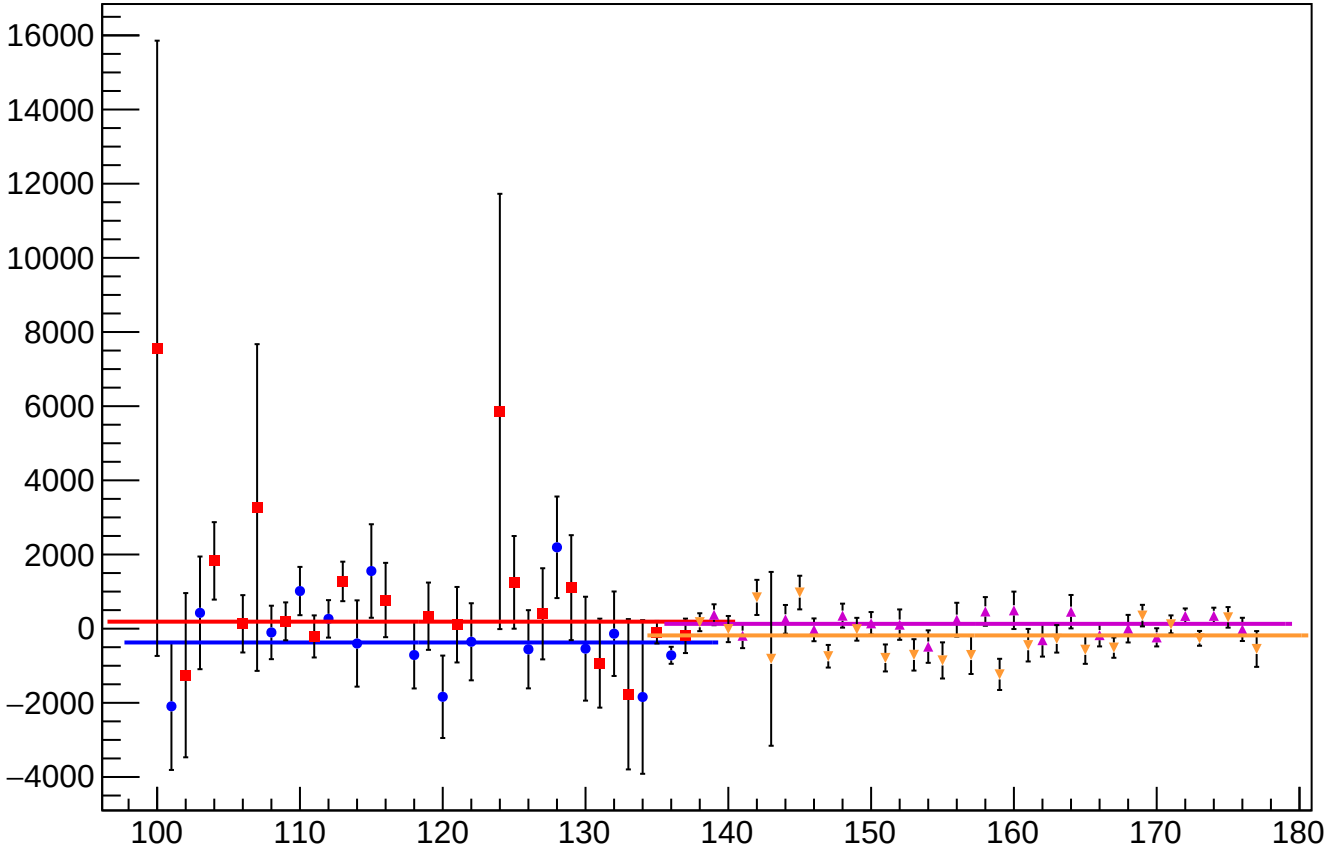
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1265.583+/-0.189 χ^2/NDF:550071.9/34

Out: 1274.660+/-0.185 χ^2/NDF:521303.9/39

All: 1270.208+/-0.132 χ^2/NDF: 1072554.8/74

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: -181.967+/-73.159 χ^2/NDF:42.5/20

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 129.752+/-73.266 χ^2/NDF:13.0/18

Left: -26.334+/-51.769 χ^2/NDF: 64.6/39

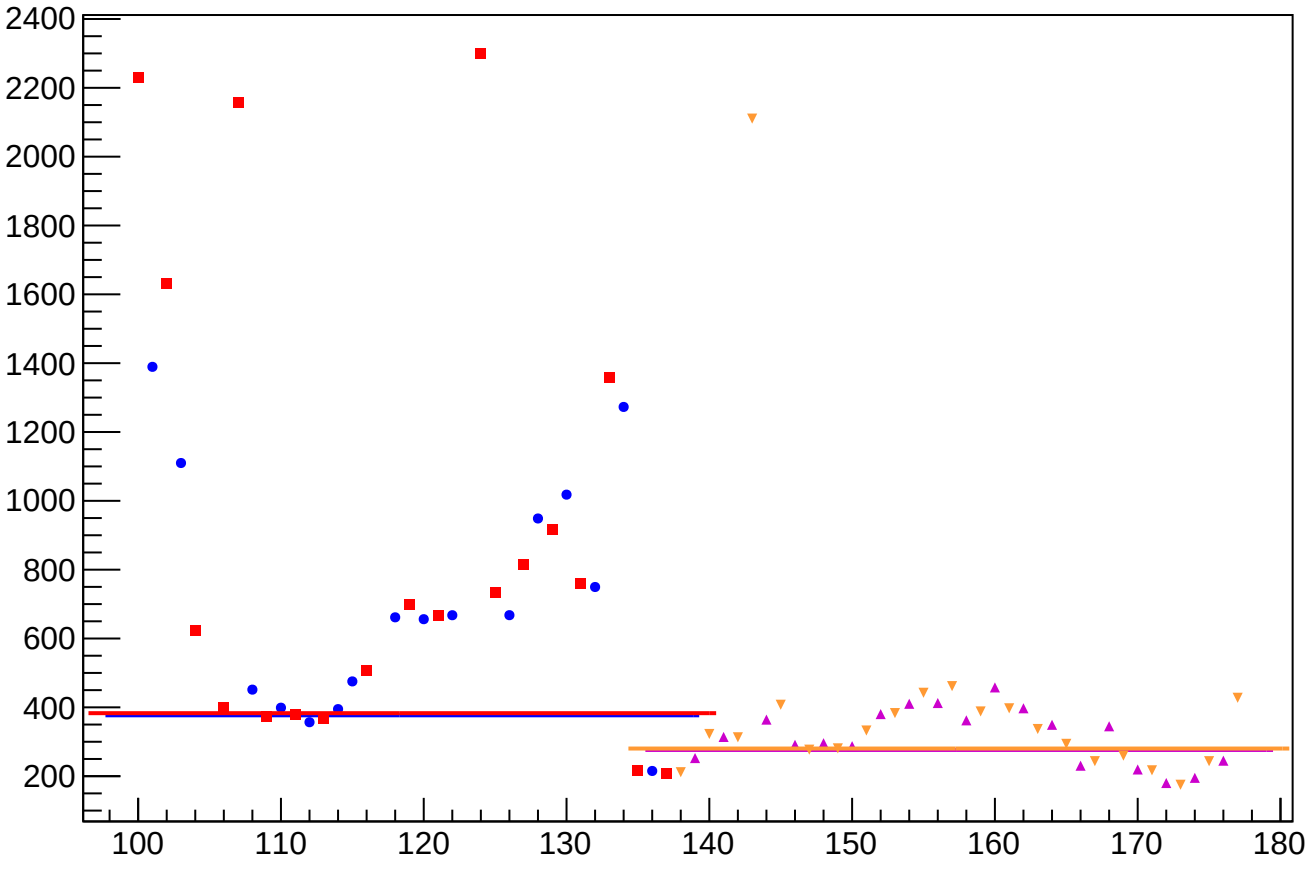
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: 49.685+/-67.170 χ^2/NDF:38.6/34

Out: -123.763+/-67.174 χ^2/NDF:61.2/39

All: -37.034+/-47.498 χ^2/NDF: 103.2/74

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: 280.319+/-0.052 χ^2/NDF:3492094.4/20

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 276.202+/-0.052 χ^2/NDF:2186294.9/18

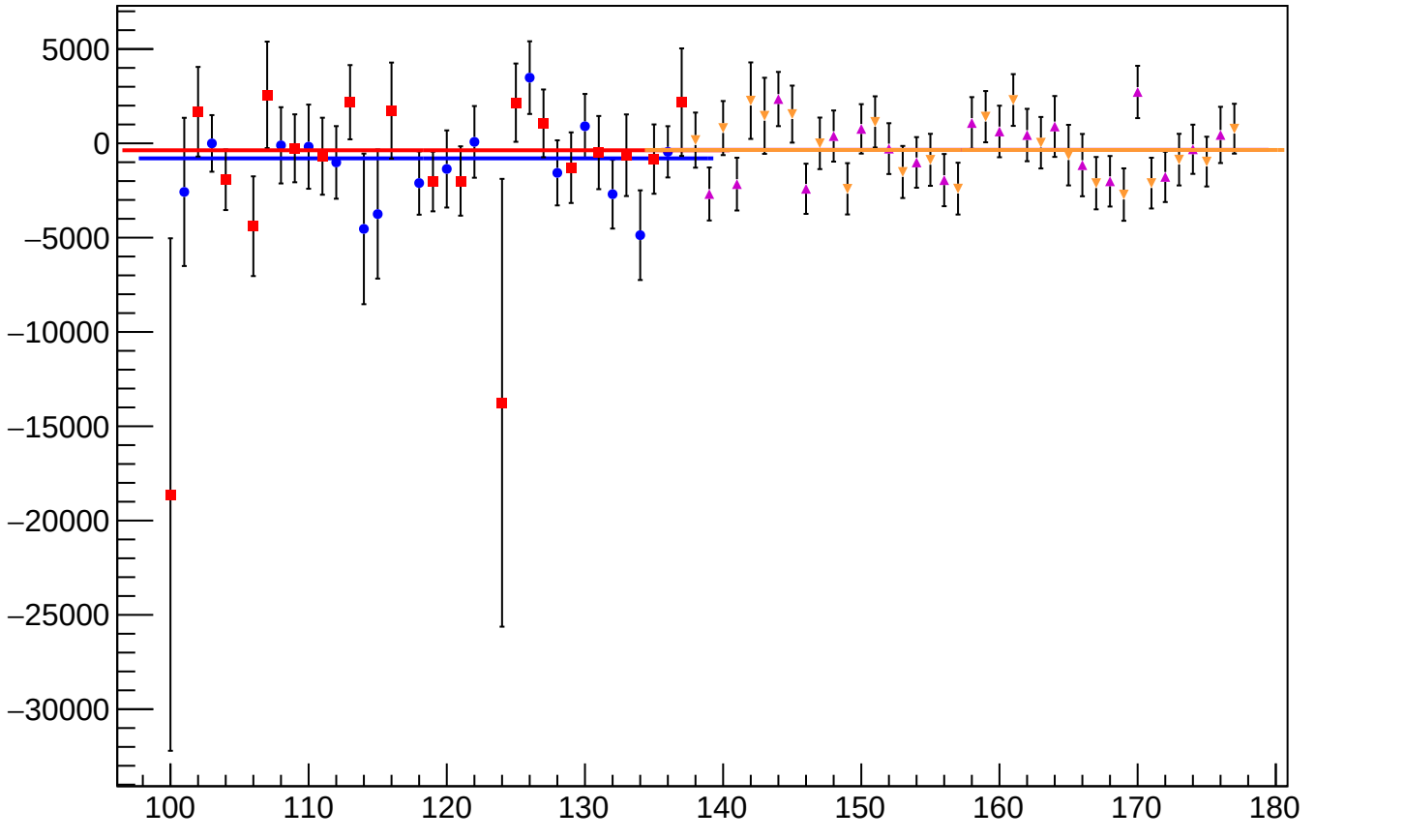
Left: 278.263+/-0.037 χ^2/NDF: 5681551.1/39

Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 292.259+/-0.047 χ^2/NDF:6978896.6/34

Out: 296.443+/-0.047 χ^2/NDF:8165344.3/39

All: 294.351+/-0.034 χ^2/NDF: 15148120.4/74



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -351.144+/-310.829 χ^2/NDF:24.3/20

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -344.660+/-318.942 χ^2/NDF:23.6/18

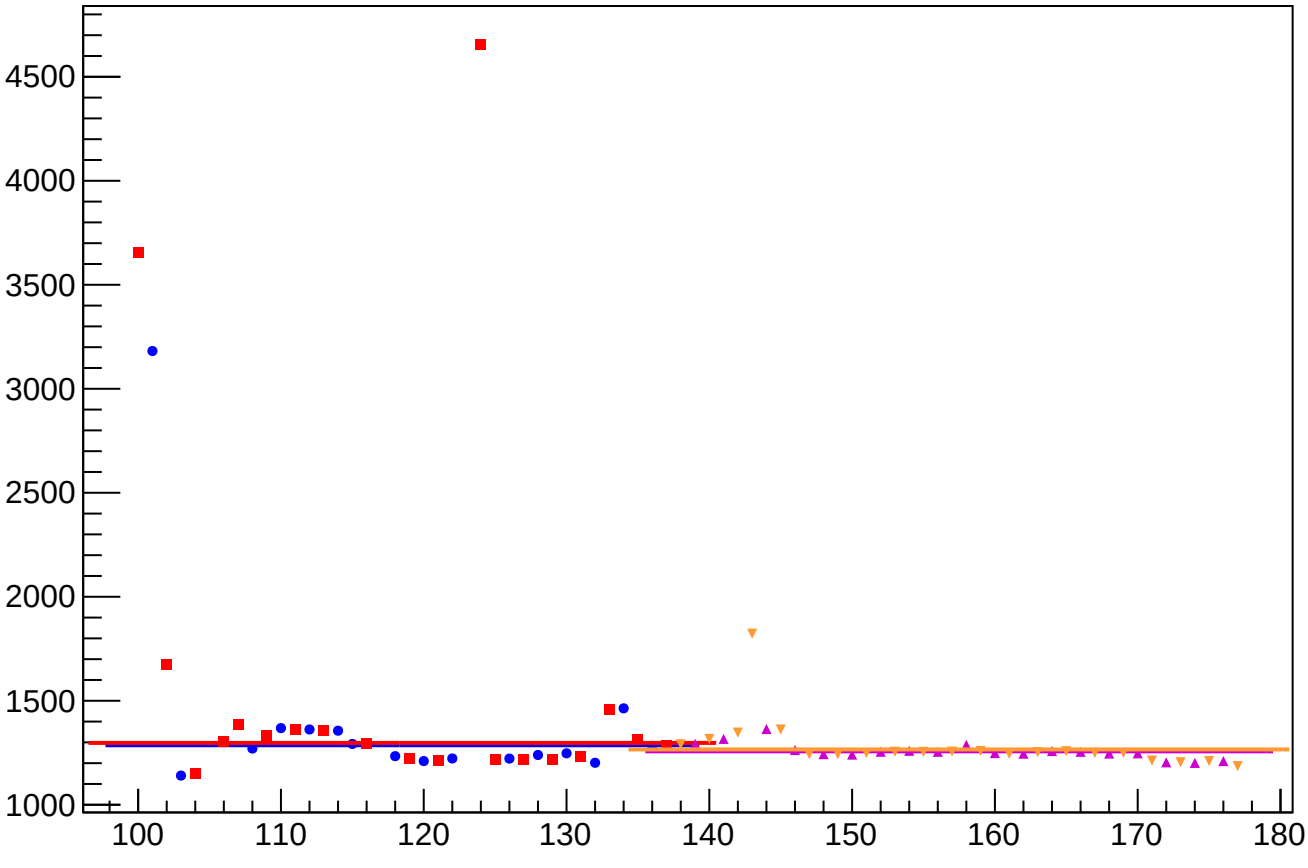
Left: -347.985+/-222.602 χ^2/NDF: 47.9/39

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -480.225+/-266.889 χ^2/NDF:37.6/34

Out: -355.880+/-261.909 χ^2/NDF:40.0/39

All: -416.881+/-186.933 χ^2/NDF: 77.7/74



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1265.948+/-0.220 χ^2/NDF:187824.7/20

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1256.800+/-0.226 χ^2/NDF:26886.1/18

Left: 1261.492+/-0.157 χ^2/NDF: 215554.7/39

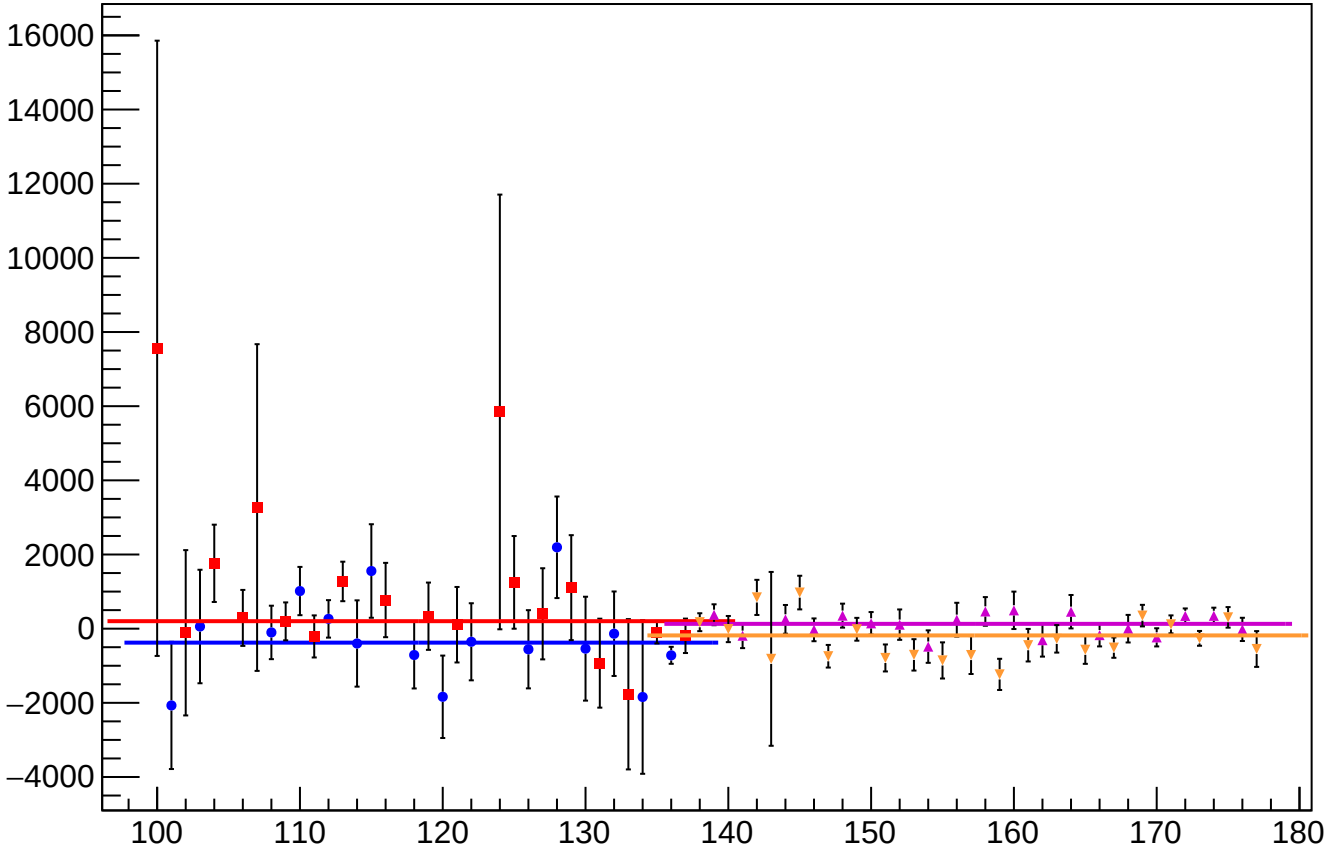
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1265.582+/-0.189 χ^2/NDF:550073.2/34

Out: 1275.068+/-0.185 χ^2/NDF:521502.6/39

All: 1270.414+/-0.132 χ^2/NDF: 1072862.7/74

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: -181.964+/-73.161 χ^2/NDF:42.5/20

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 129.837+/-73.267 χ^2/NDF:13.0/18

Left: -26.289+/-51.770 χ^2/NDF: 64.6/39

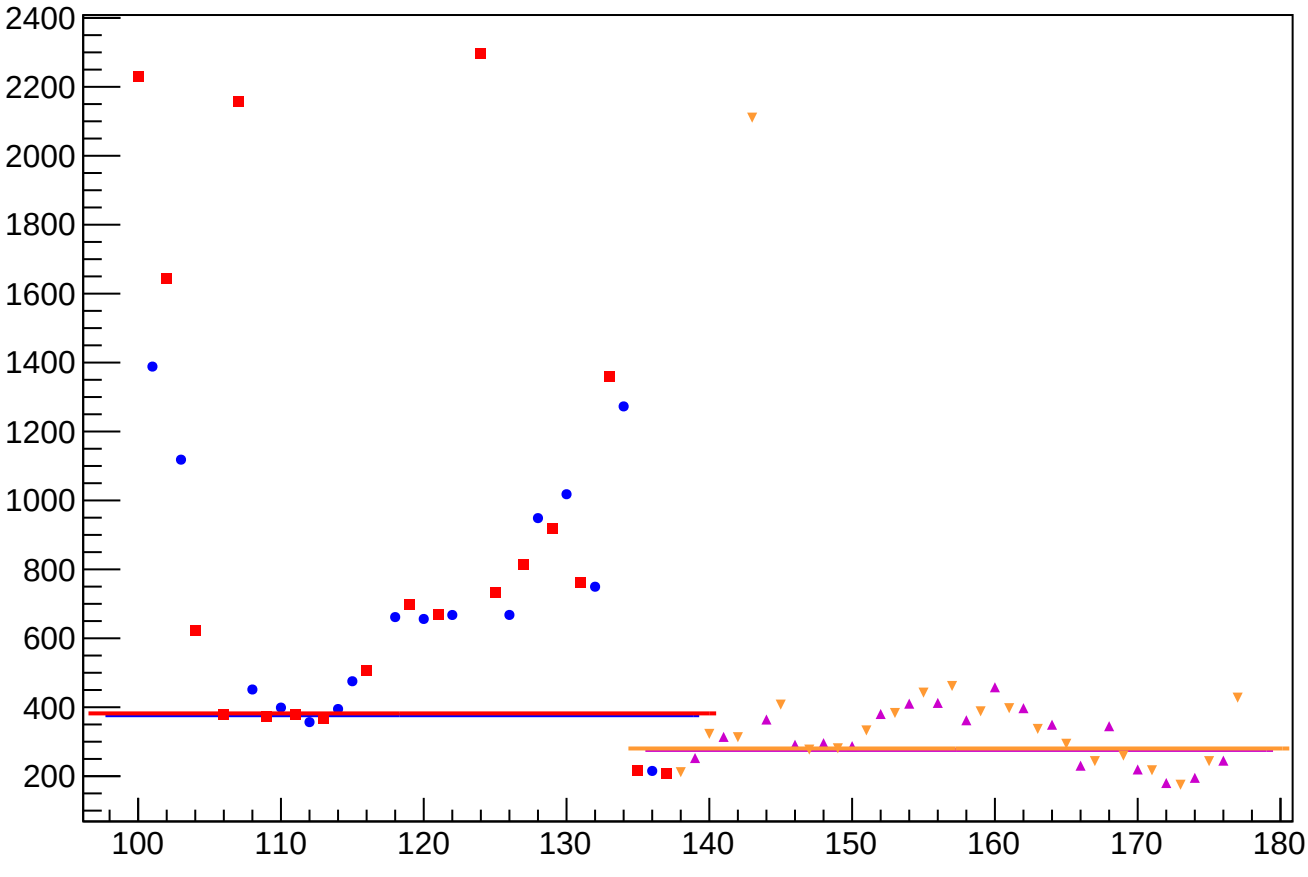
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 49.061+/-67.173 χ^2/NDF:38.6/34

Out: -121.567+/-67.164 χ^2/NDF:60.9/39

All: -36.265+/-47.495 χ^2/NDF: 102.7/74

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: 280.328+/-0.052 χ^2/NDF:3491796.3/20

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 276.208+/-0.052 χ^2/NDF:2186114.3/18

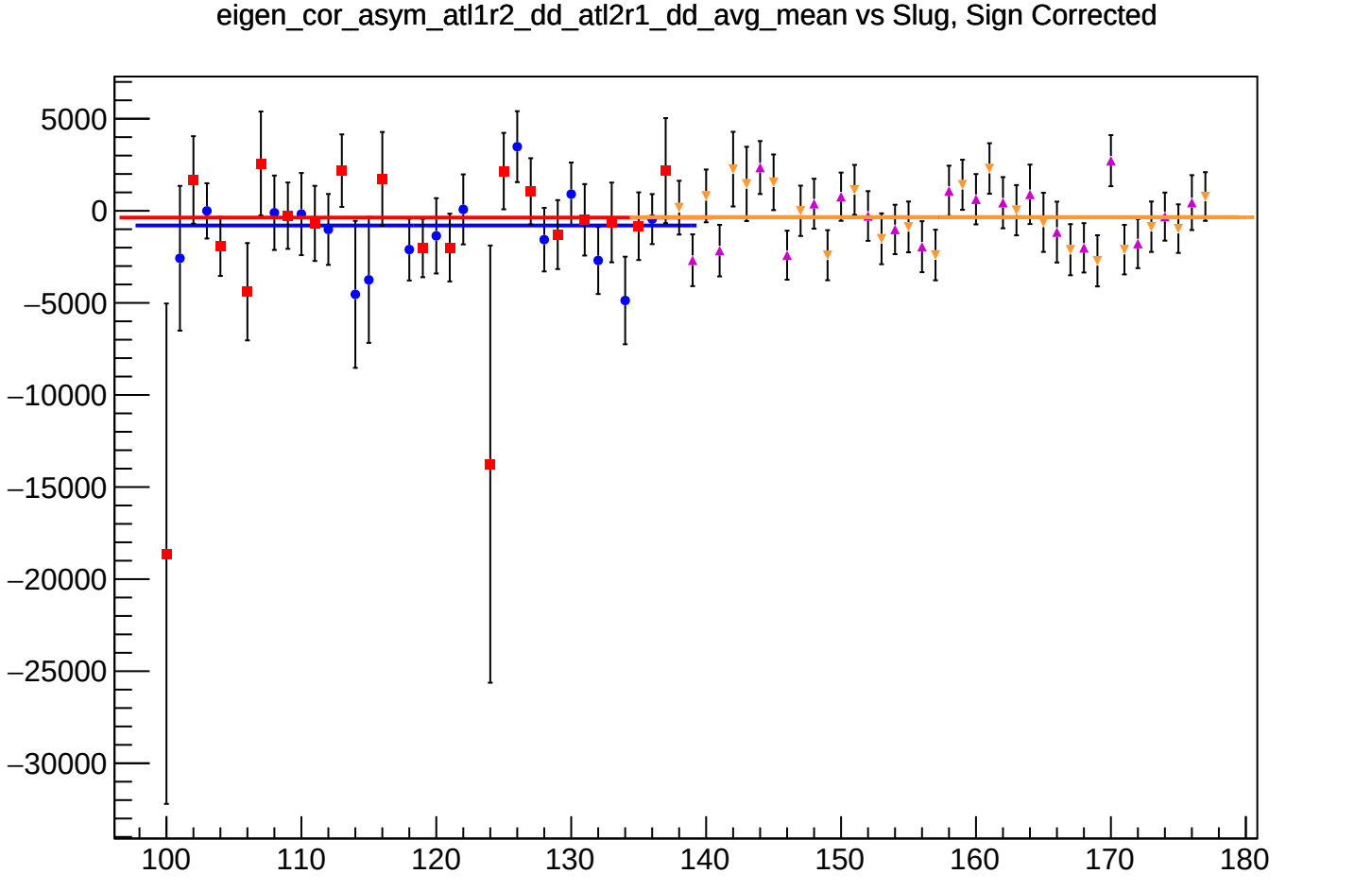
Left: 278.271+/-0.037 χ^2/NDF: 5681076.9/39

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 292.261+/-0.047 χ^2/NDF:6981546.0/34

Out: 296.336+/-0.047 χ^2/NDF:8160353.9/39

All: 294.299+/-0.034 χ^2/NDF: 15145581.6/74



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -351.144+/-310.829 χ^2/NDF:24.3/20

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -344.660+/-318.942 χ^2/NDF:23.6/18

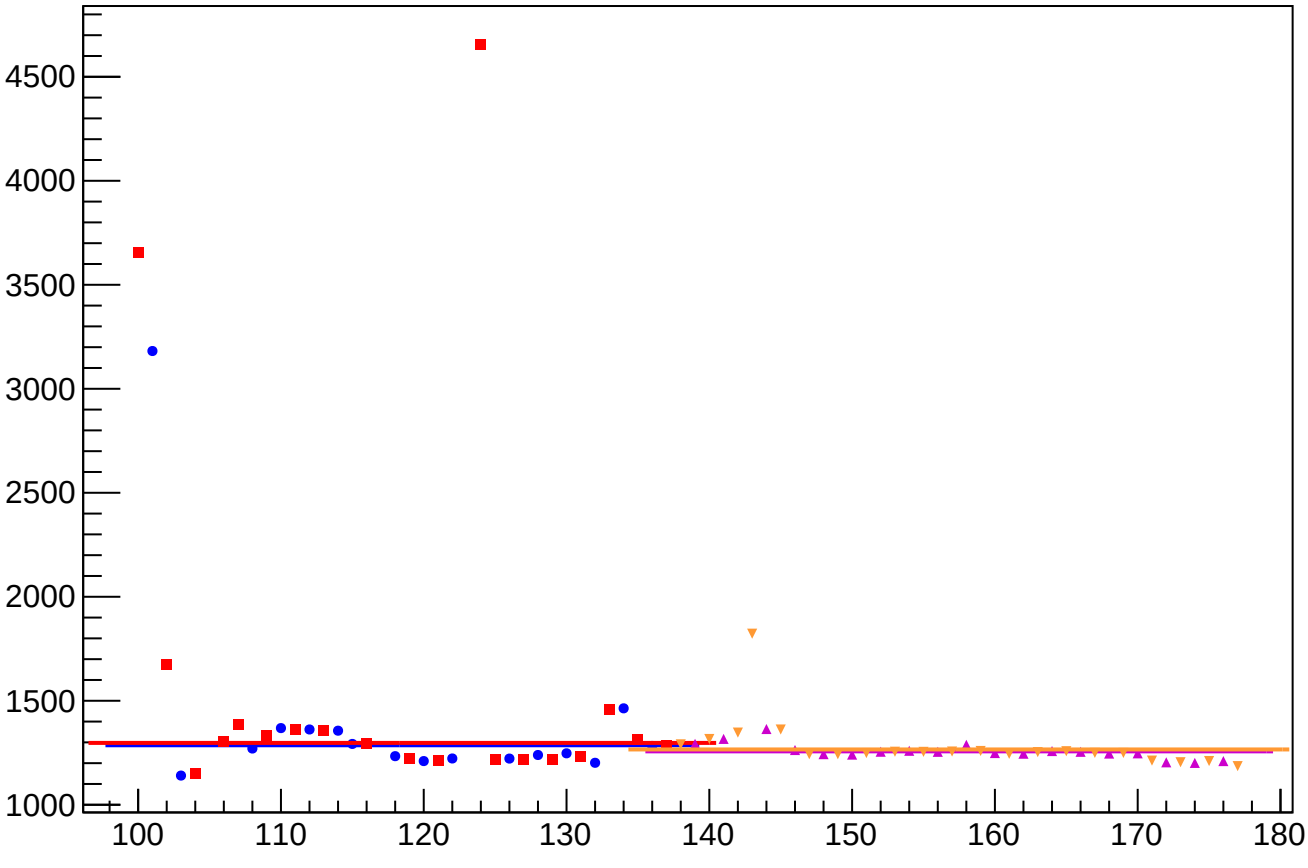
Left: -347.985+/-222.602 χ^2/NDF: 47.9/39

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -480.225+/-266.889 χ^2/NDF:37.6/34

Out: -355.880+/-261.909 χ^2/NDF:40.0/39

All: -416.881+/-186.933 χ^2/NDF: 77.7/74



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1265.948+/-0.220 χ^2/NDF:187824.7/20

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1256.800+/-0.226 χ^2/NDF:26886.1/18

Left: 1261.492+/-0.157 χ^2/NDF: 215554.7/39

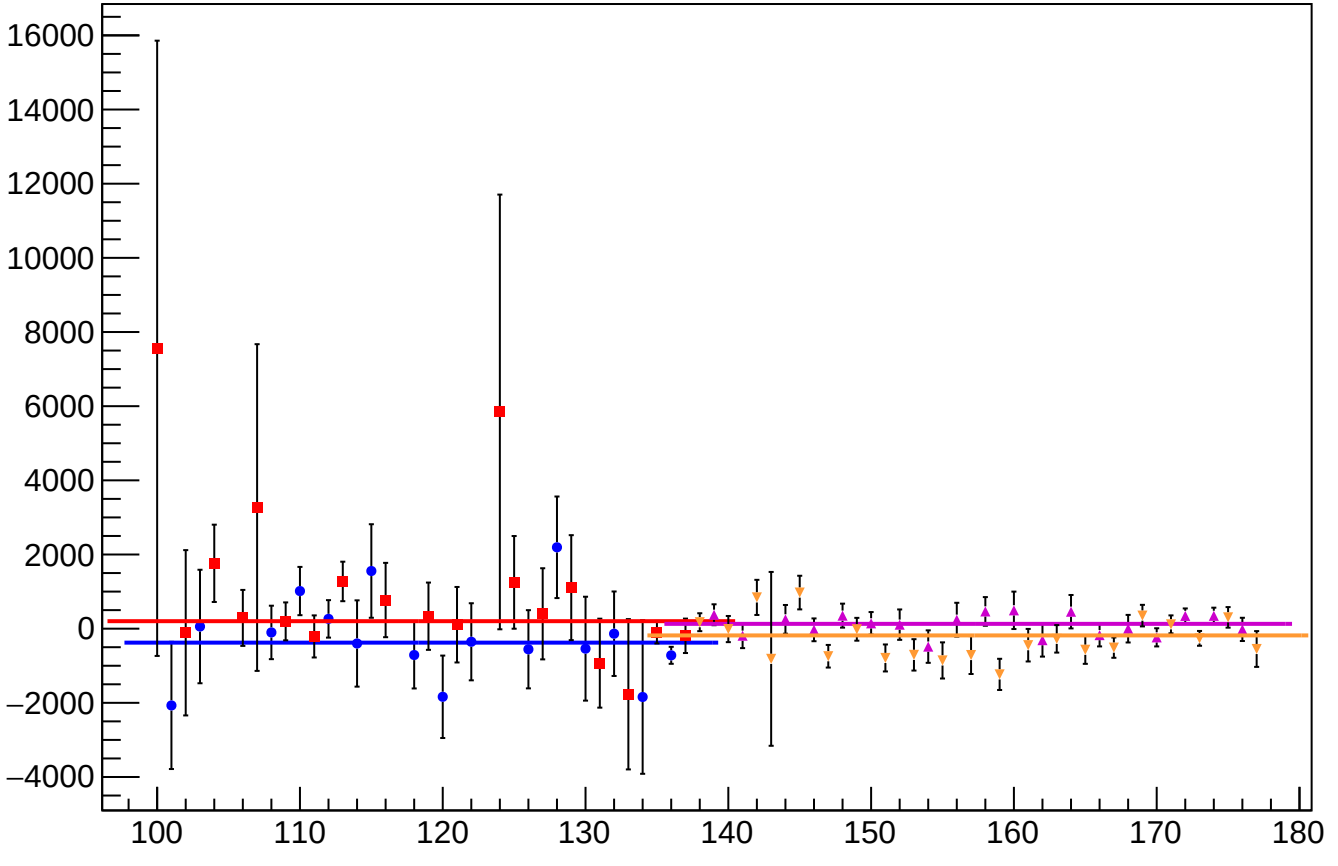
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1265.582+/-0.189 χ^2/NDF:550073.2/34

Out: 1275.068+/-0.185 χ^2/NDF:521502.6/39

All: 1270.414+/-0.132 χ^2/NDF: 1072862.7/74

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: -181.964+/-73.161 χ^2/NDF:42.5/20

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 129.837+/-73.267 χ^2/NDF:13.0/18

Left: -26.289+/-51.770 χ^2/NDF: 64.6/39

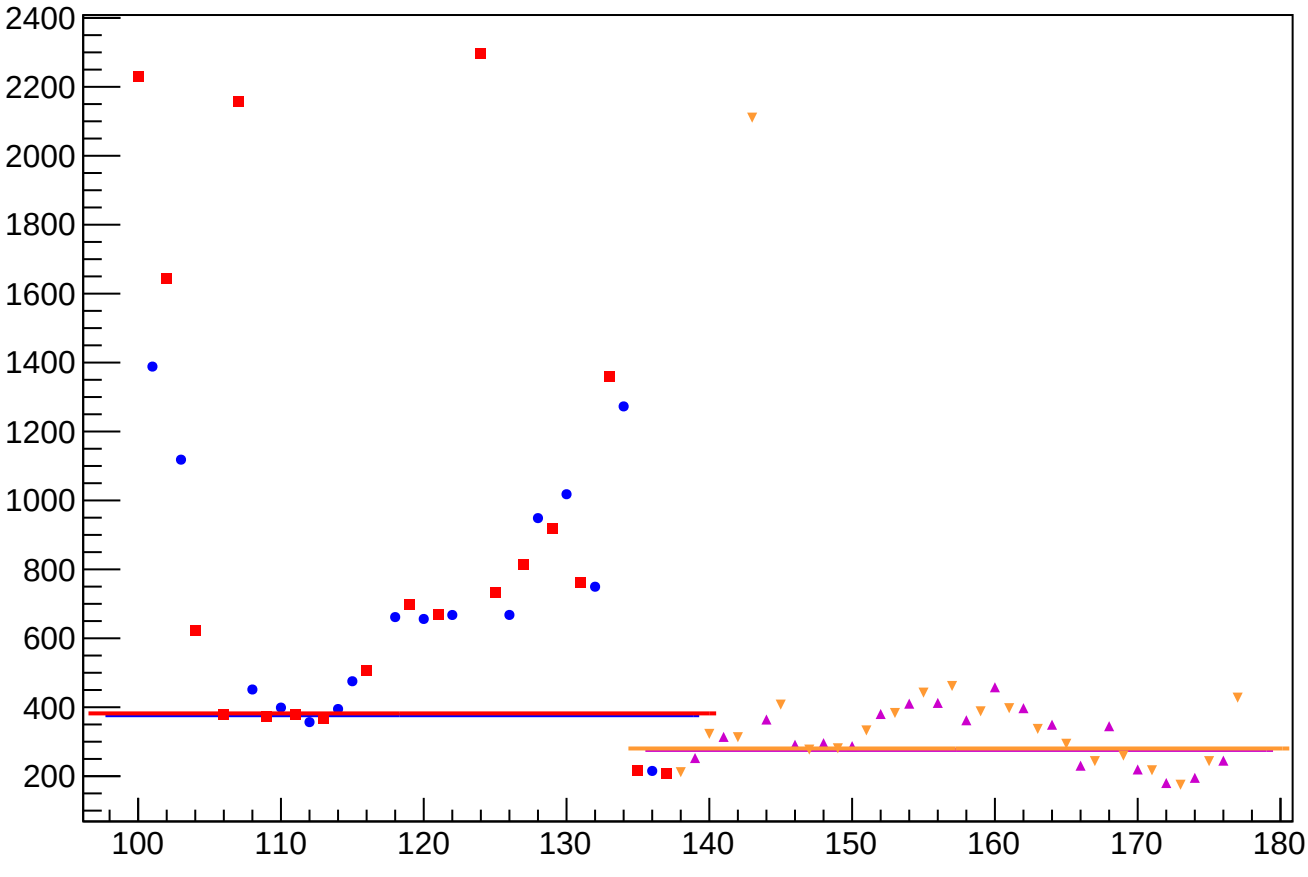
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 49.061+/-67.173 χ^2/NDF:38.6/34

Out: -121.567+/-67.164 χ^2/NDF:60.9/39

All: -36.265+/-47.495 χ^2/NDF: 102.7/74

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: 280.328+/-0.052 χ^2/NDF:3491796.3/20

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 276.208+/-0.052 χ^2/NDF:2186114.3/18

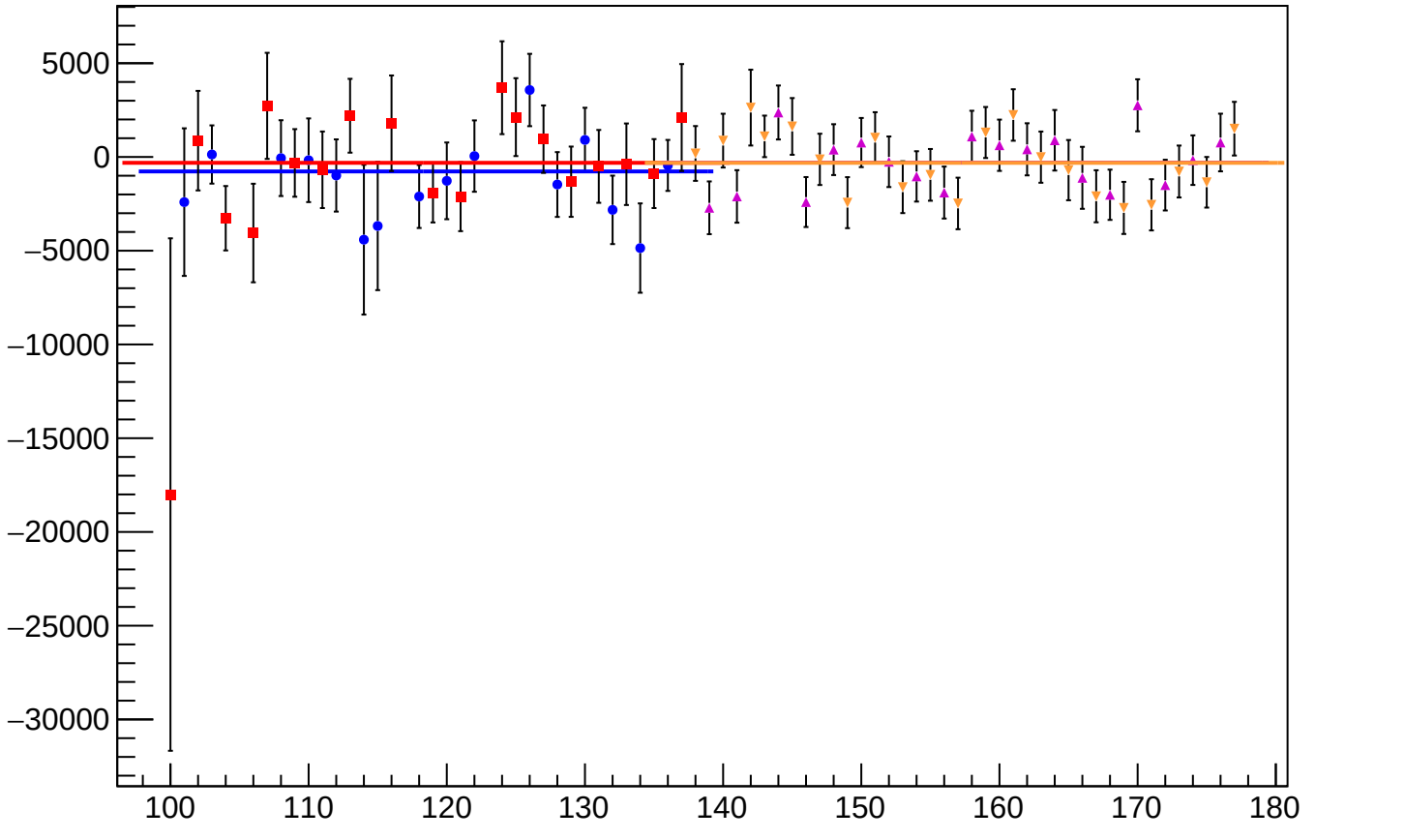
Left: 278.271+/-0.037 χ^2/NDF: 5681076.9/39

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 292.261+/-0.047 χ^2/NDF:6981546.0/34

Out: 296.336+/-0.047 χ^2/NDF:8160353.9/39

All: 294.299+/-0.034 χ^2/NDF: 15145581.6/74



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: -313.387+/-304.686 χ^2/NDF:27.8/20

Right Out: -311.418+/-482.642 χ^2/NDF: 17.9/18

Left In: -299.204+/-320.057 χ^2/NDF:23.4/18

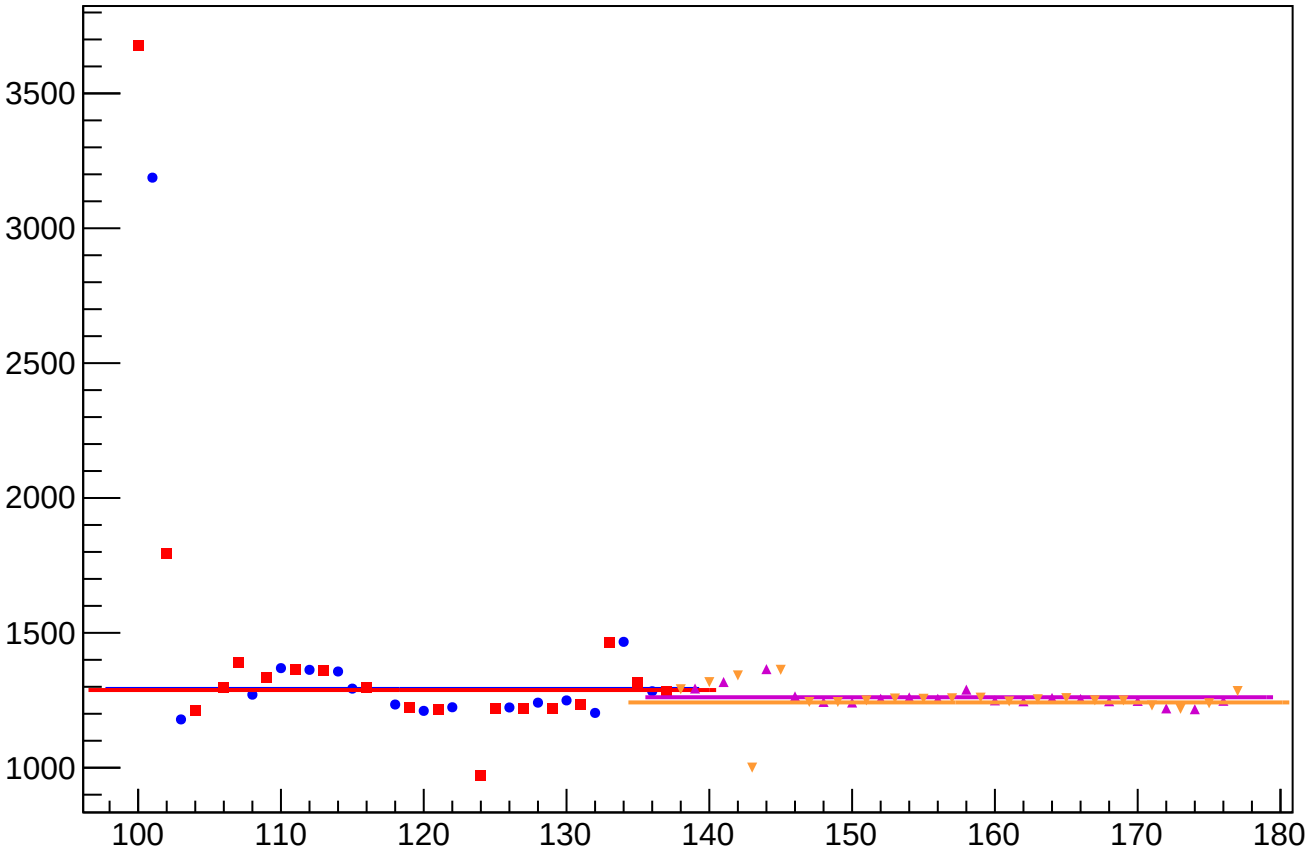
Left: -306.644+/-220.679 χ^2/NDF: 51.3/39

Right: -538.165+/-343.714 χ^2/NDF: 32.0/34

In: -440.606+/-267.895 χ^2/NDF:37.7/34

Out: -312.826+/-257.642 χ^2/NDF:45.8/39

All: -374.224+/-185.699 χ^2/NDF: 83.6/74



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1242.063+/-0.215 χ^2/NDF:124763.8/20

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1261.294+/-0.226 χ^2/NDF:21597.9/18

Left: 1251.206+/-0.156 χ^2/NDF: 150149.8/39

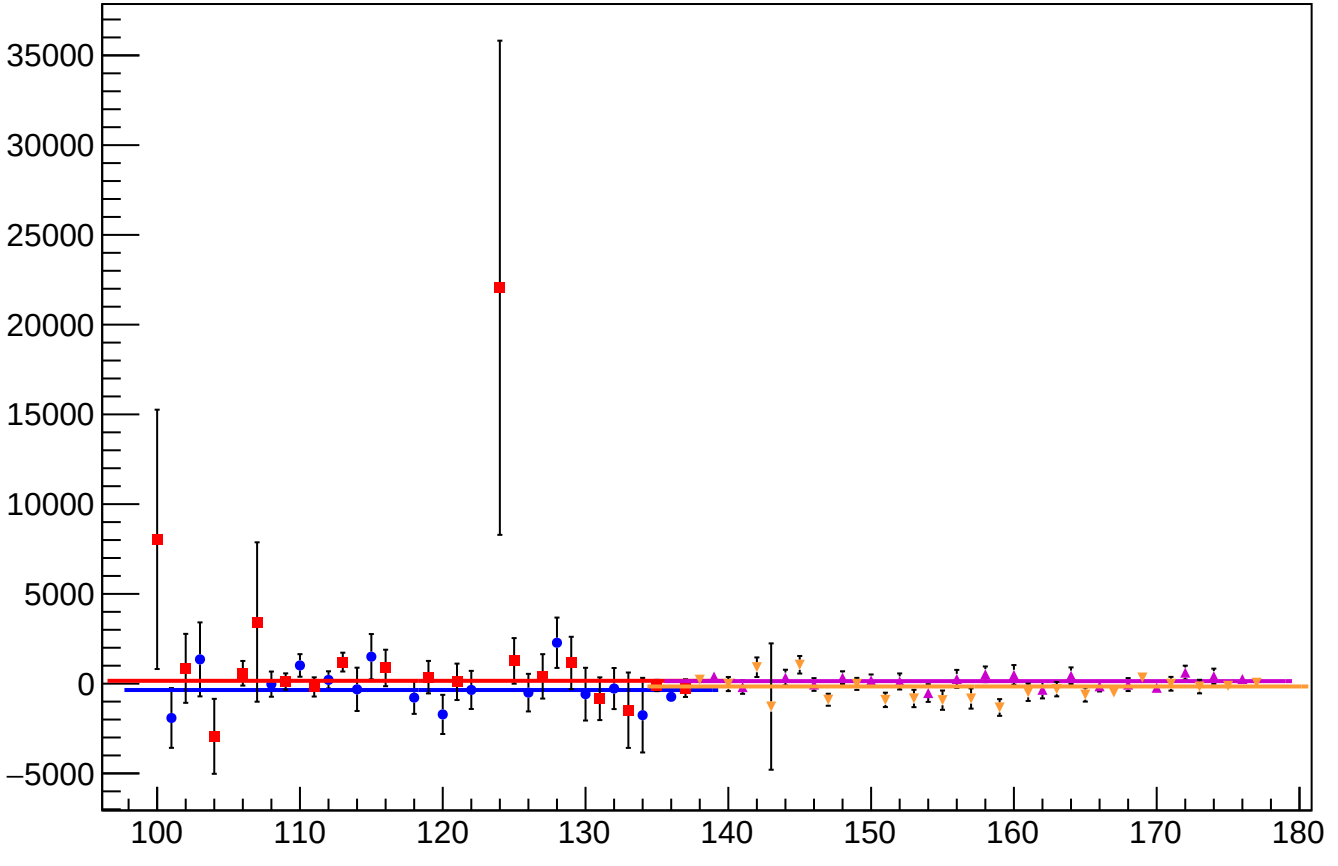
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1270.499+/-0.189 χ^2/NDF:536529.1/34

Out: 1255.150+/-0.182 χ^2/NDF:346921.1/39

All: 1262.525+/-0.131 χ^2/NDF: 886861.0/74

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: -157.443+/-69.193 χ^2/NDF:41.5/20

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 140.612+/-77.662 χ^2/NDF:13.0/18

Left: -25.546+/-51.663 χ^2/NDF: 62.7/39

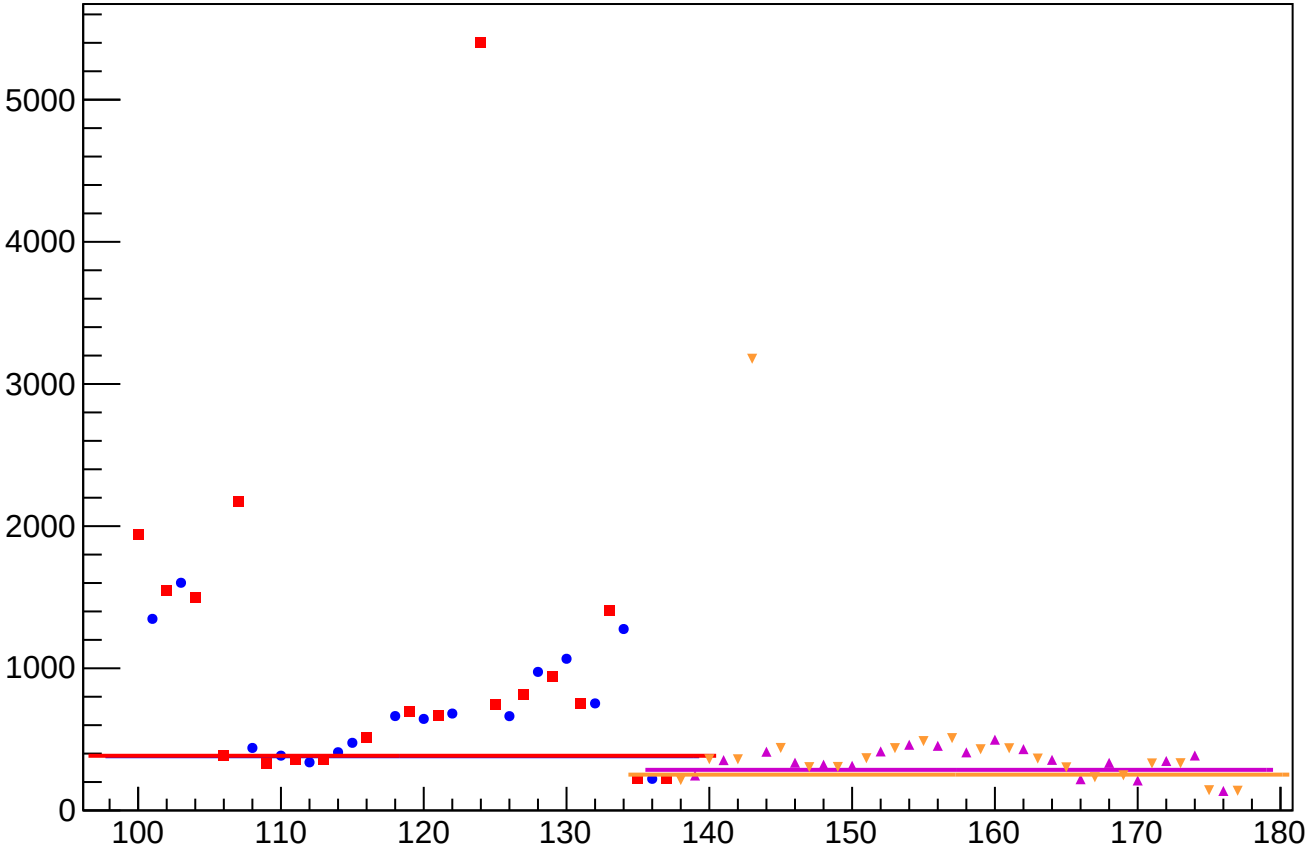
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: 54.975+/-70.637 χ^2/NDF:38.5/34

Out: -112.471+/-64.070 χ^2/NDF:60.3/39

All: -36.892+/-47.457 χ^2/NDF: 101.9/74

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: 252.063+/-0.049 χ^2/NDF:6277747.8/20

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 285.725+/-0.055 χ^2/NDF:3737837.6/18

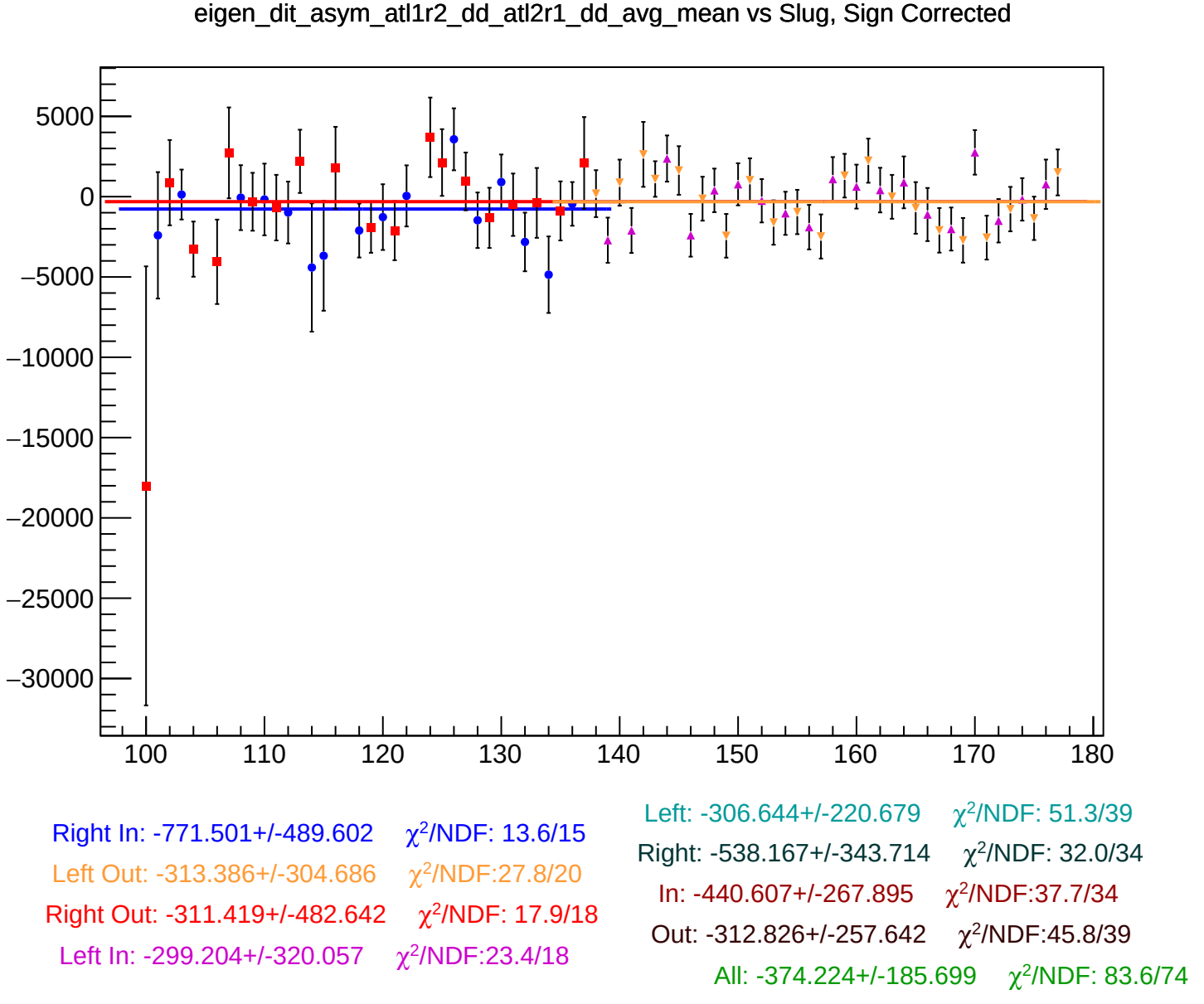
Left: 266.959+/-0.037 χ^2/NDF: 10225063.0/39

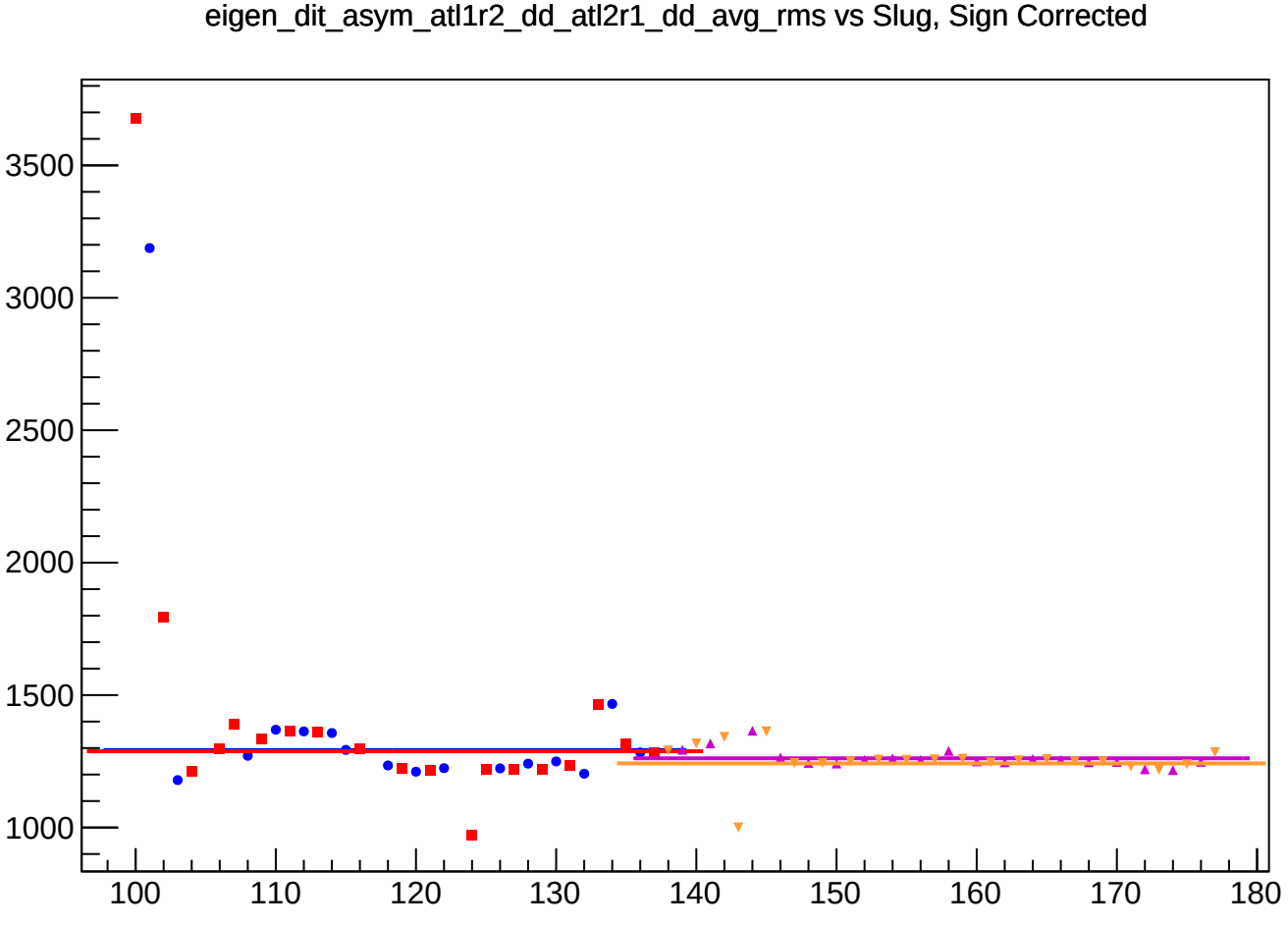
Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 302.241+/-0.050 χ^2/NDF:8579445.4/34

Out: 270.970+/-0.045 χ^2/NDF:11885175.0/39

All: 285.085+/-0.034 χ^2/NDF: 20679659.1/74


eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
180
Right In: -771.501+/-489.602 χ²/NDF: 13.6/15
Left Out: -313.386+/-304.686 χ²/NDF:27.8/20
Right Out: -311.419+/-482.642 χ²/NDF: 17.9/18
Left In: -299.204+/-320.057 χ²/NDF:23.4/18
Left: -306.644+/-220.679 χ²/NDF: 51.3/39
Right: -538.167+/-343.714 χ²/NDF: 32.0/34
In: -440.607+/-267.895 χ²/NDF:37.7/34
Out: -312.826+/-257.642 χ²/NDF:45.8/39
All: -374.224+/-185.699 χ²/NDF: 83.6/74



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1242.063+/-0.215 χ^2/NDF:124763.1/20

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1261.294+/-0.226 χ^2/NDF:21598.0/18

Left: 1251.206+/-0.156 χ^2/NDF: 150149.2/39

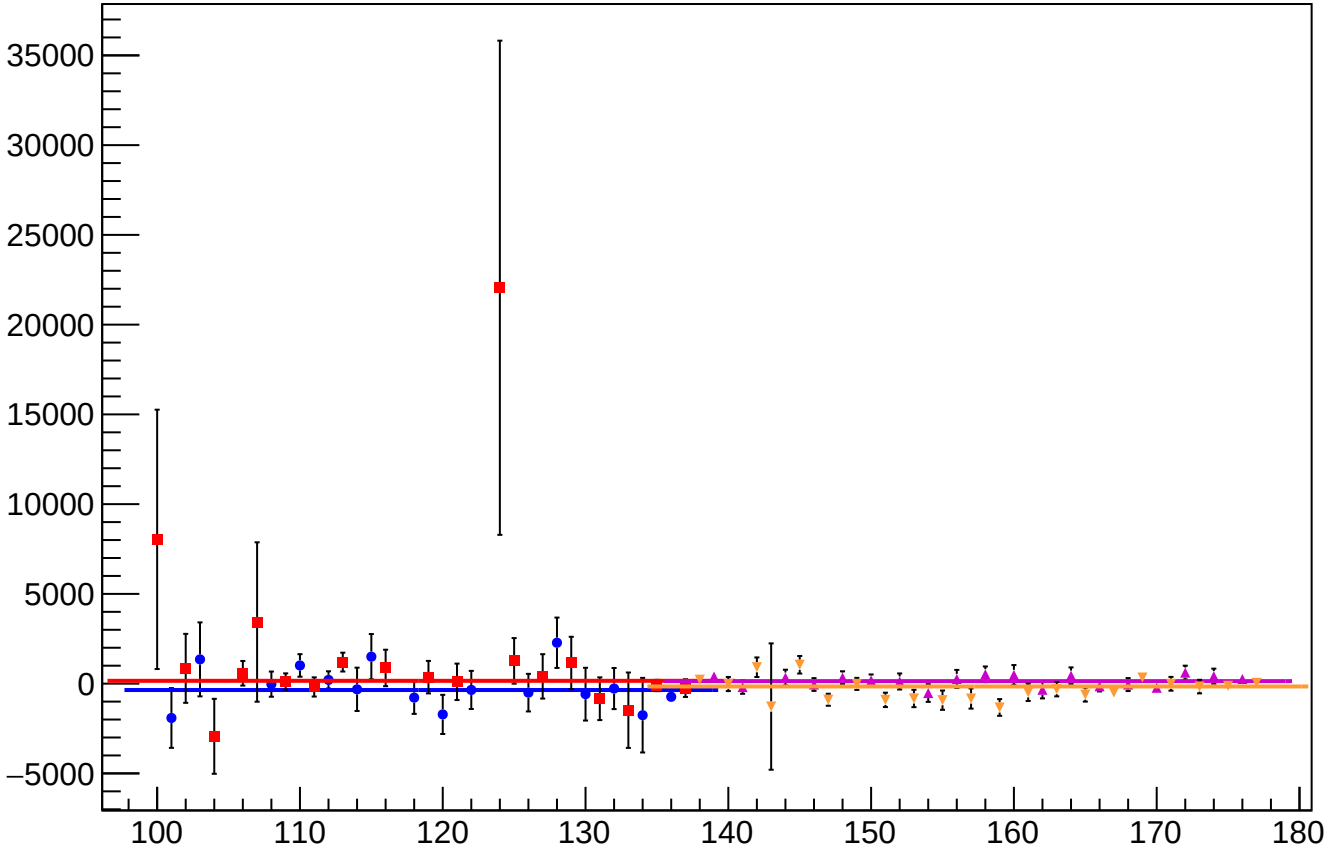
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1270.499+/-0.189 χ^2/NDF:536529.2/34

Out: 1255.150+/-0.182 χ^2/NDF:346920.7/39

All: 1262.525+/-0.131 χ^2/NDF: 886860.6/74

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: -157.448+/-69.194 χ^2/NDF:41.5/20

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 140.611+/-77.662 χ^2/NDF:13.0/18

Left: -25.548+/-51.663 χ^2/NDF: 62.7/39

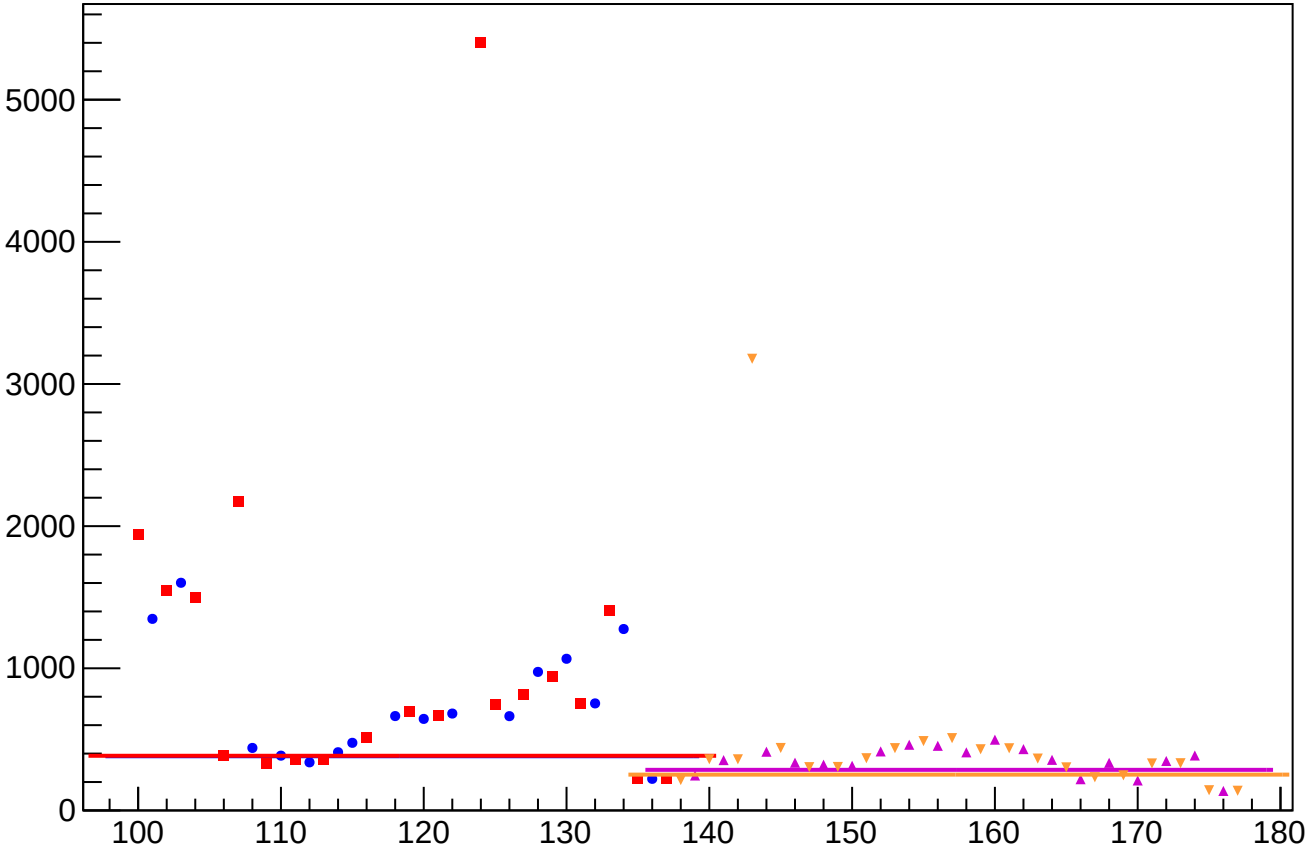
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: 54.976+/-70.638 χ^2/NDF:38.5/34

Out: -112.475+/-64.071 χ^2/NDF:60.3/39

All: -36.893+/-47.457 χ^2/NDF: 101.9/74

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: 252.065+/-0.049 χ^2/NDF:6277656.5/20

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 285.727+/-0.055 χ^2/NDF:3737780.6/18

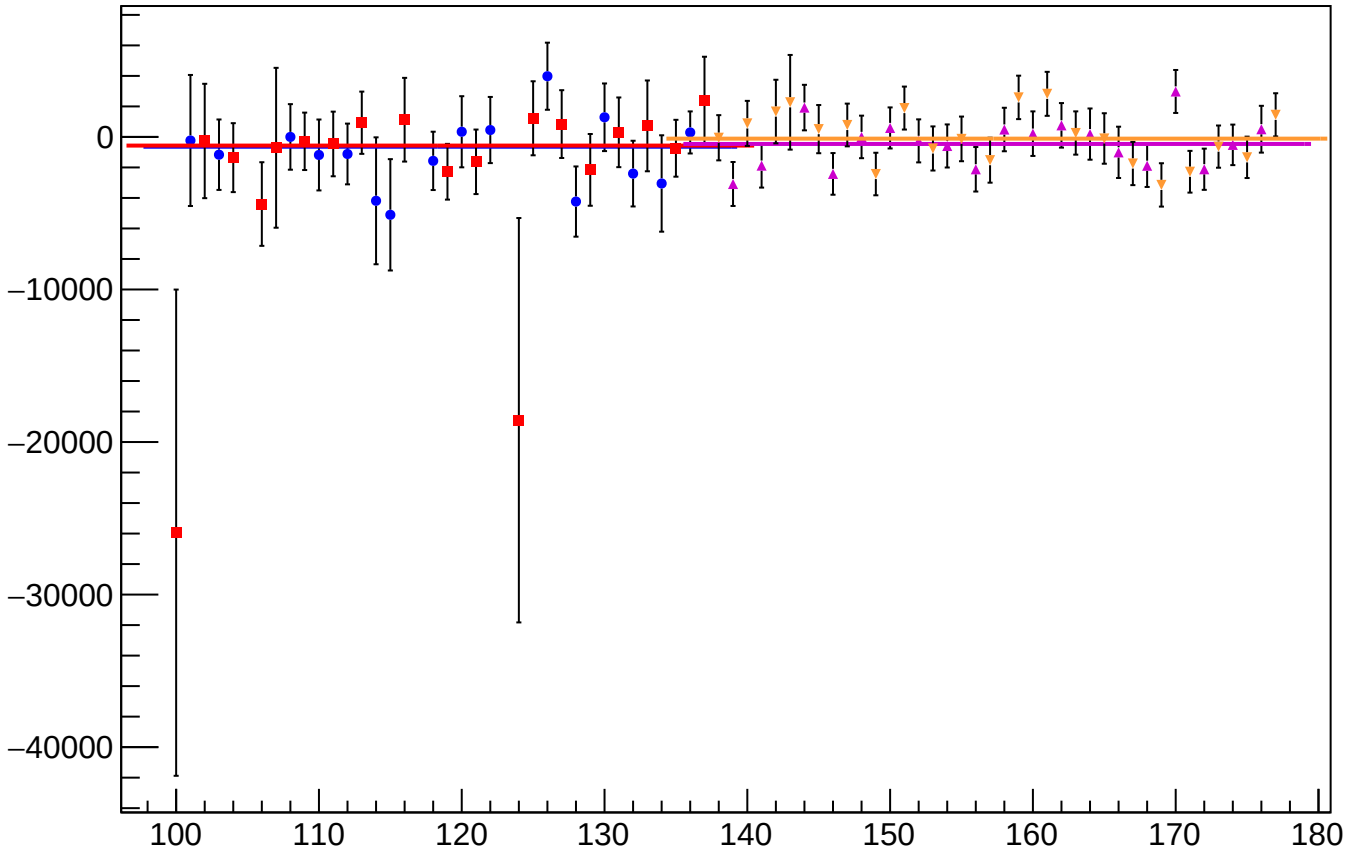
Left: 266.961+/-0.037 χ^2/NDF: 10224905.8/39

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 302.243+/-0.050 χ^2/NDF:8579285.0/34

Out: 270.973+/-0.045 χ^2/NDF:11885013.6/39

All: 285.087+/-0.034 χ^2/NDF: 20679334.2/74



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: -112.140+/-324.263 χ^2/NDF:26.6/20

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: -460.577+/-329.908 χ^2/NDF:21.5/18

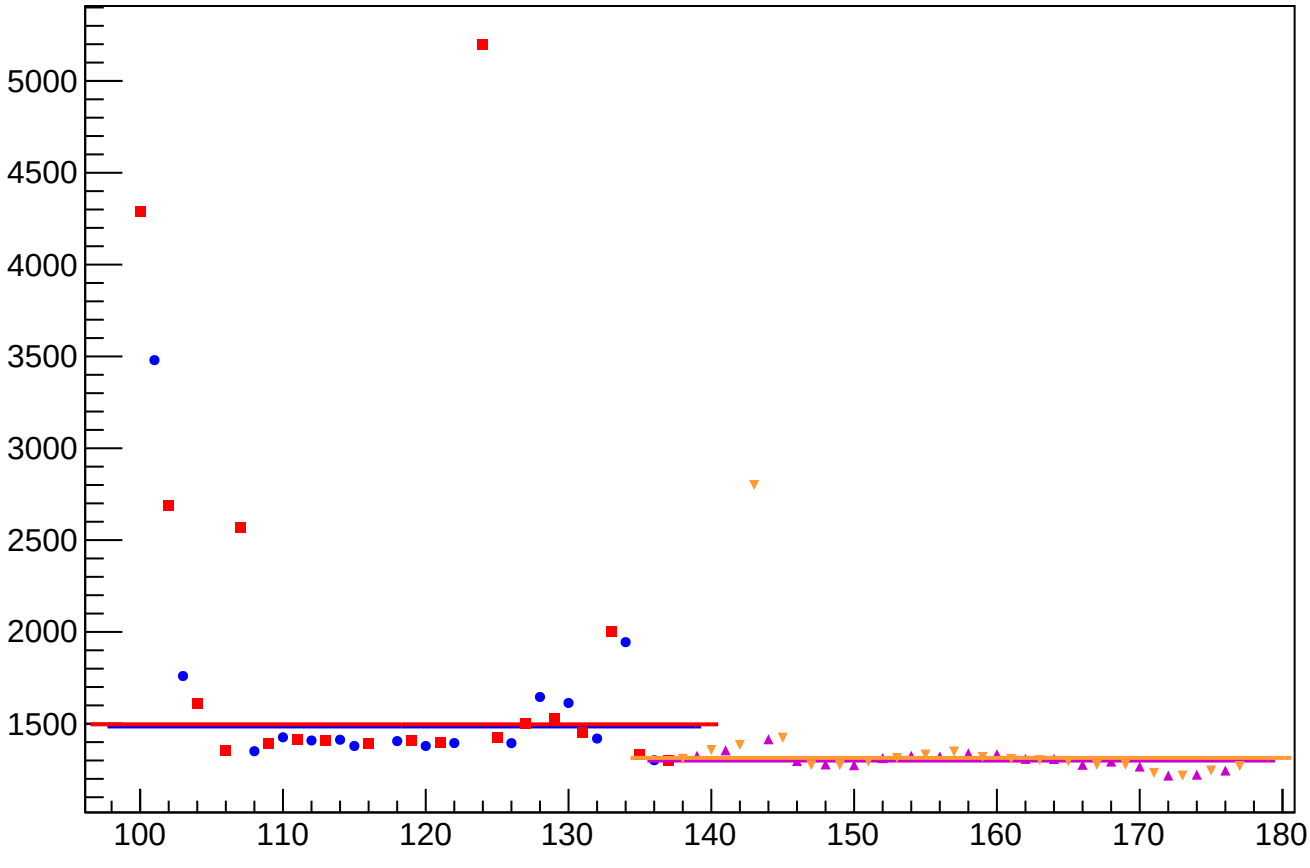
Left: -283.352+/-231.259 χ^2/NDF: 48.7/39

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -506.483+/-284.815 χ^2/NDF:34.0/34

Out: -224.373+/-281.455 χ^2/NDF:38.4/39

All: -363.754+/-200.196 χ^2/NDF: 73.0/74



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1314.244+/-0.229 χ^2/NDF:504421.4/20

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1299.726+/-0.233 χ^2/NDF:38947.4/18

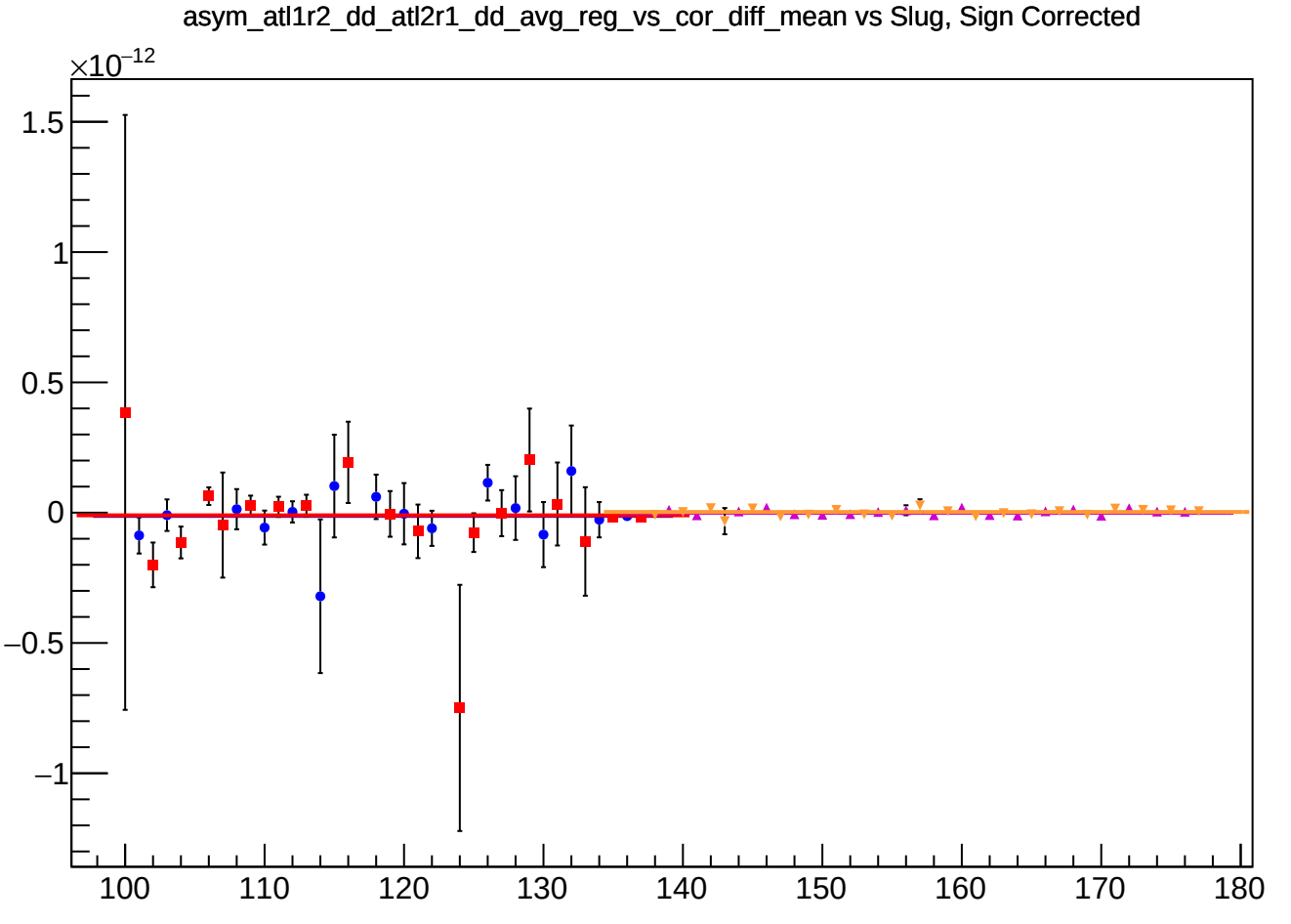
Left: 1307.110+/-0.164 χ^2/NDF: 545338.8/39

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1347.007+/-0.201 χ^2/NDF:784708.9/34

Out: 1359.279+/-0.199 χ^2/NDF:1284150.8/39

All: 1353.216+/-0.142 χ^2/NDF: 2070738.4/74



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.0/20

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:21.9/18

Left: 0.000+/-0.000 χ^2/NDF: 42.1/39

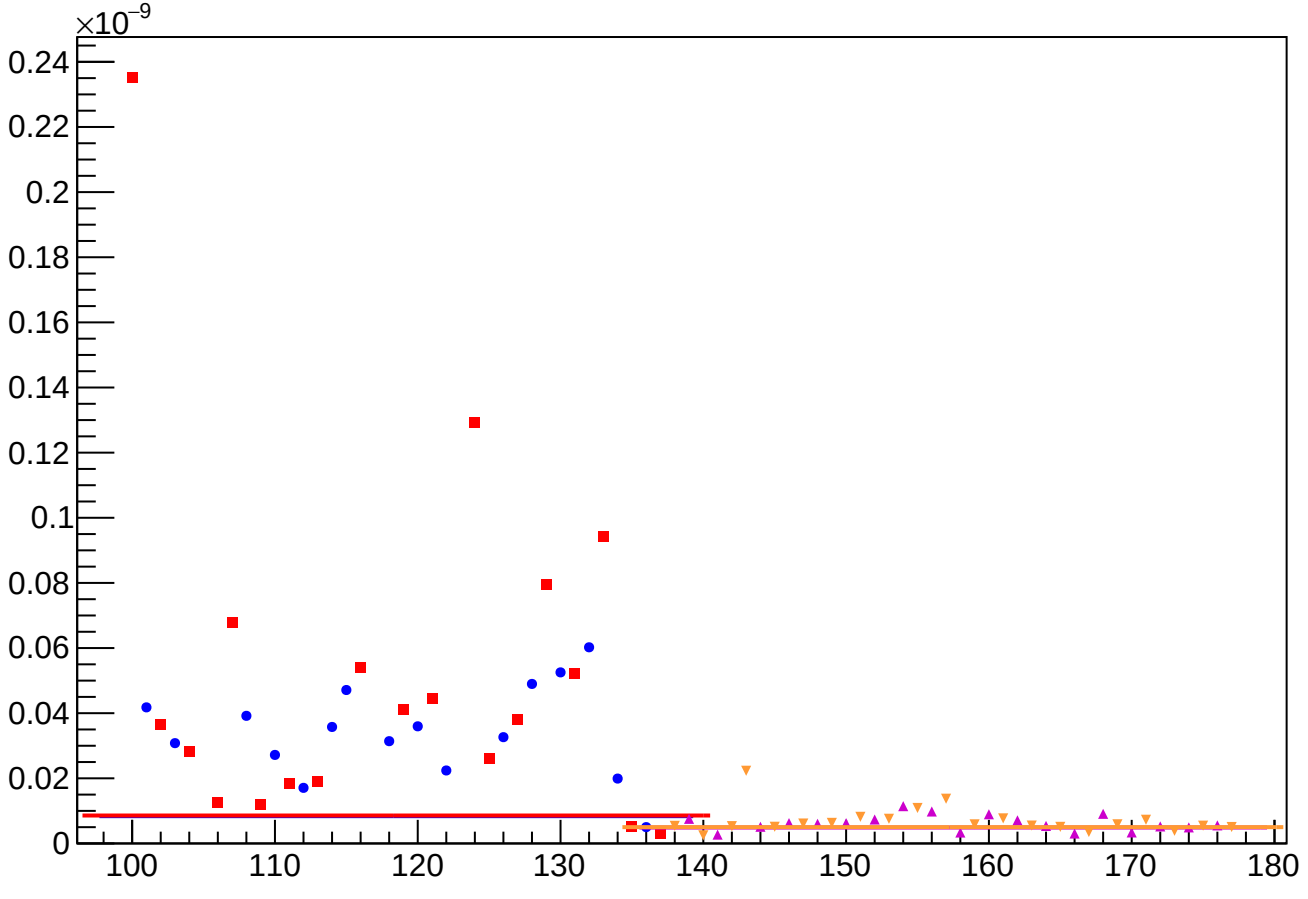
Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:33.6/34

Out: 0.000+/-0.000 χ^2/NDF:43.7/39

All: 0.000+/-0.000 χ^2/NDF: 78.7/74

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:1887485.0/20

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1697202.6/18

Left: 0.000+/-0.000 χ^2/NDF: 3587789.7/39

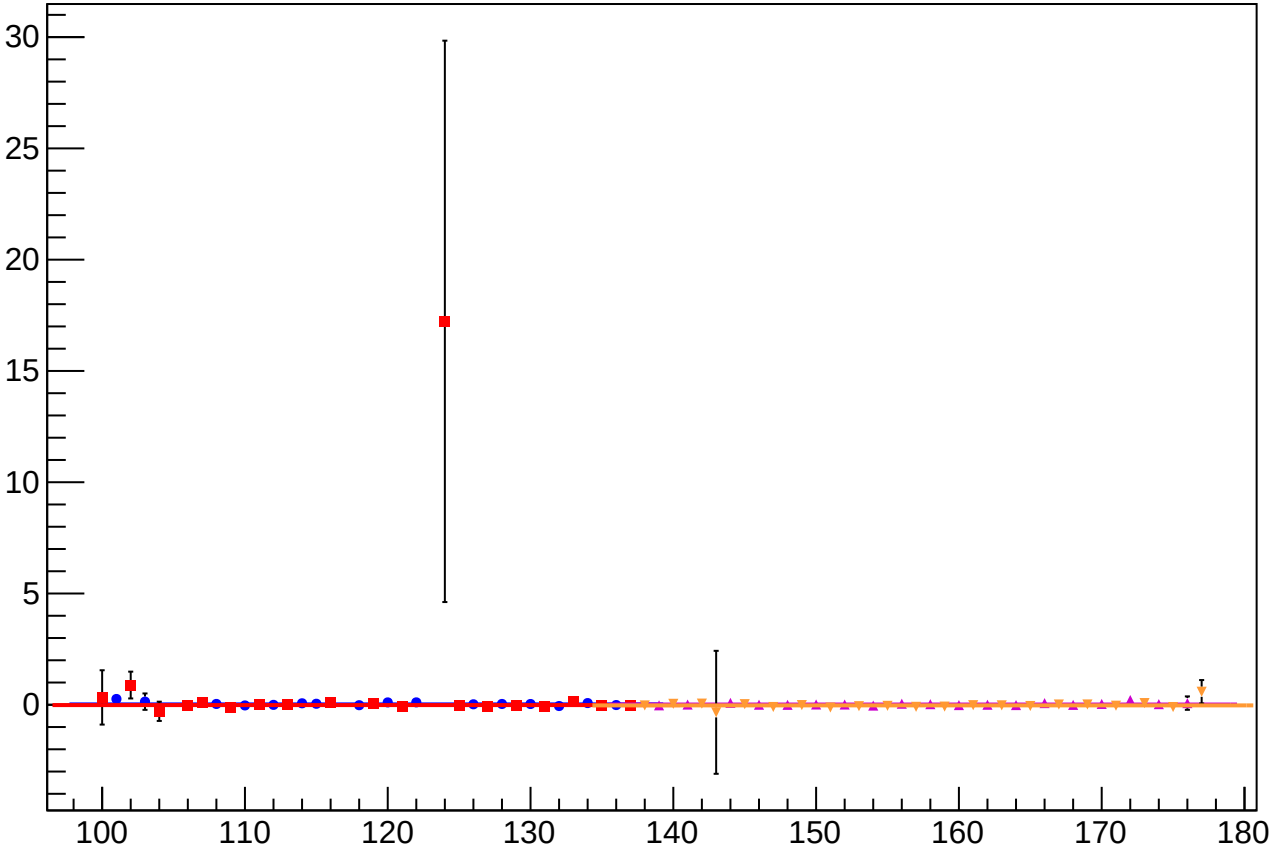
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:5163408.3/34

Out: 0.000+/-0.000 χ^2/NDF:5607238.1/39

All: 0.000+/-0.000 χ^2/NDF: 10771901.7/74

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:25.2/20

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:10.7/18

Left: -0.008+/-0.007 χ^2/NDF: 44.1/39

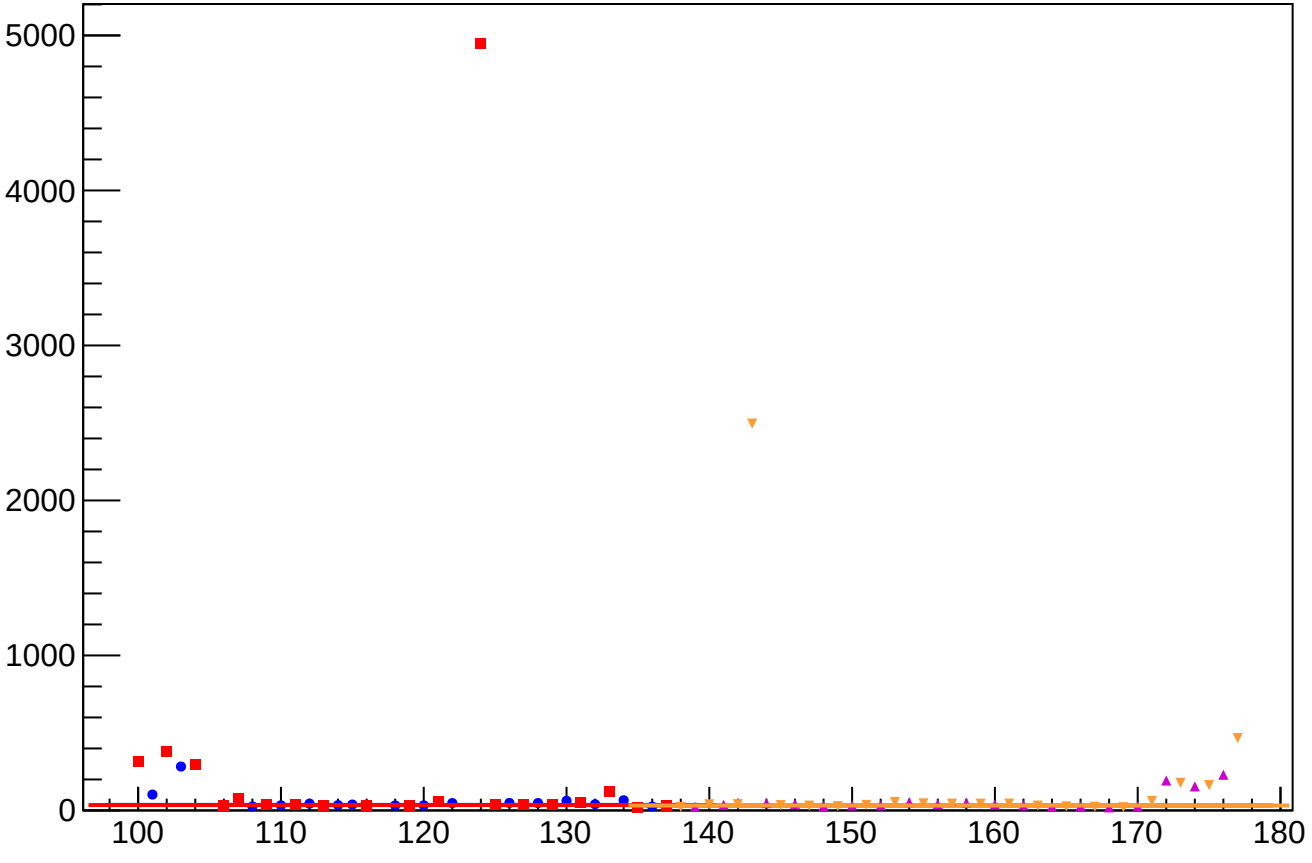
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.3/34

Out: -0.024+/-0.008 χ^2/NDF:41.8/39

All: -0.005+/-0.006 χ^2/NDF: 74.1/74

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: 31.819+/-0.007 χ^2/NDF:6685097.5/20

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.029+/-0.007 χ^2/NDF:4629230.8/18

Left: 31.924+/-0.005 χ^2/NDF: 11314816.8/39

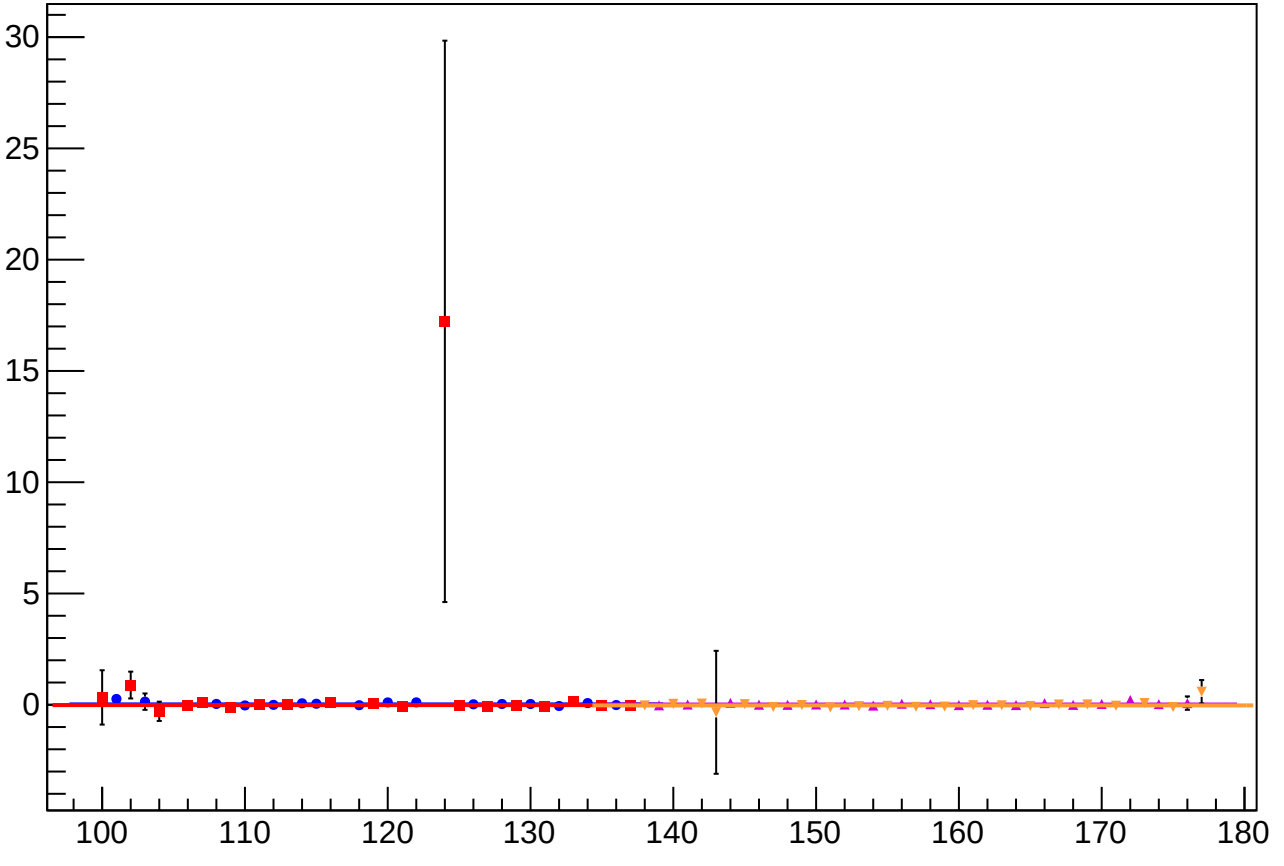
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 33.050+/-0.006 χ^2/NDF:6977777.7/34

Out: 32.627+/-0.006 χ^2/NDF:9652201.3/39

All: 32.839+/-0.004 χ^2/NDF: 16632700.9/74

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:25.2/20

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:10.7/18

Left: -0.008+/-0.007 χ^2/NDF: 44.1/39

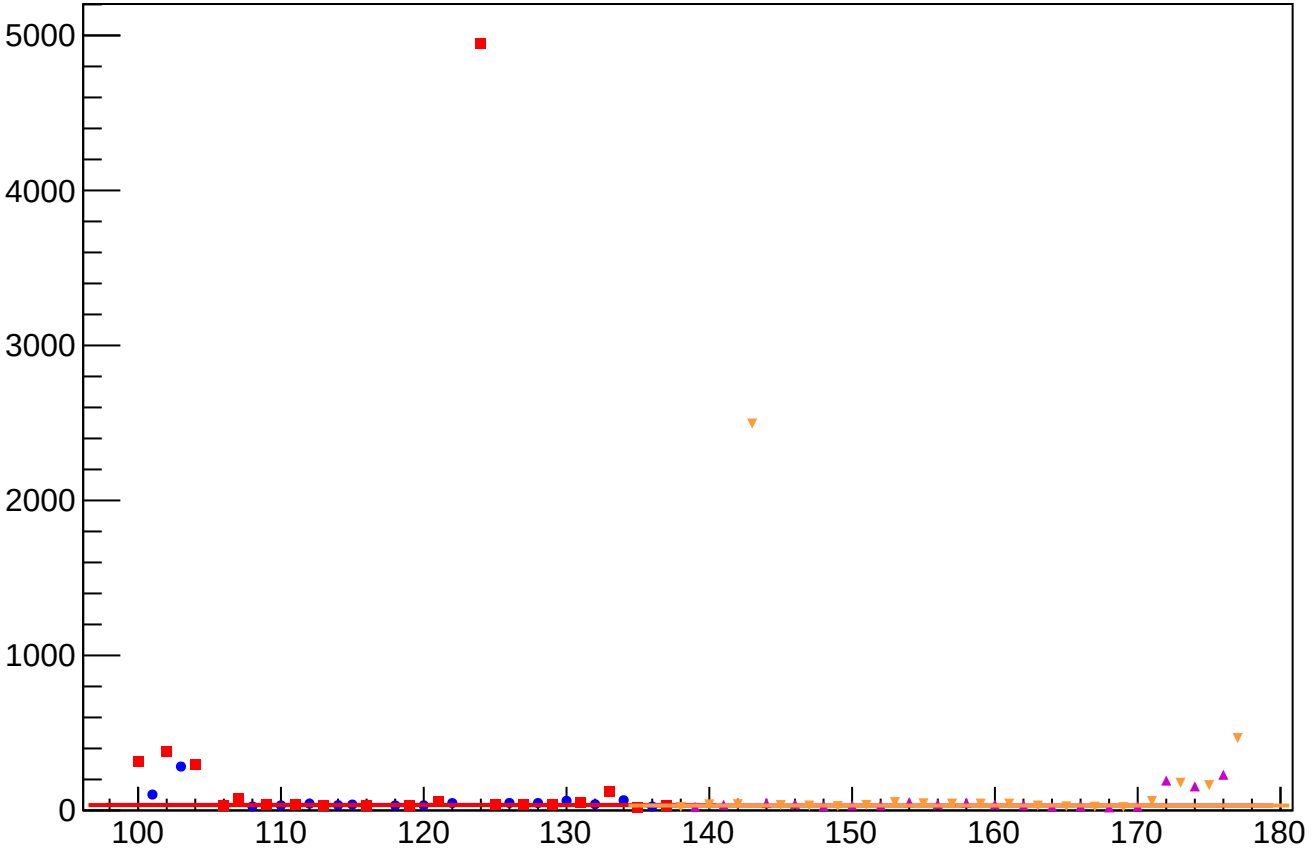
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.3/34

Out: -0.024+/-0.008 χ^2/NDF:41.8/39

All: -0.005+/-0.006 χ^2/NDF: 74.1/74

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: 31.819+/-0.007 χ^2/NDF:6685097.5/20

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.029+/-0.007 χ^2/NDF:4629230.8/18

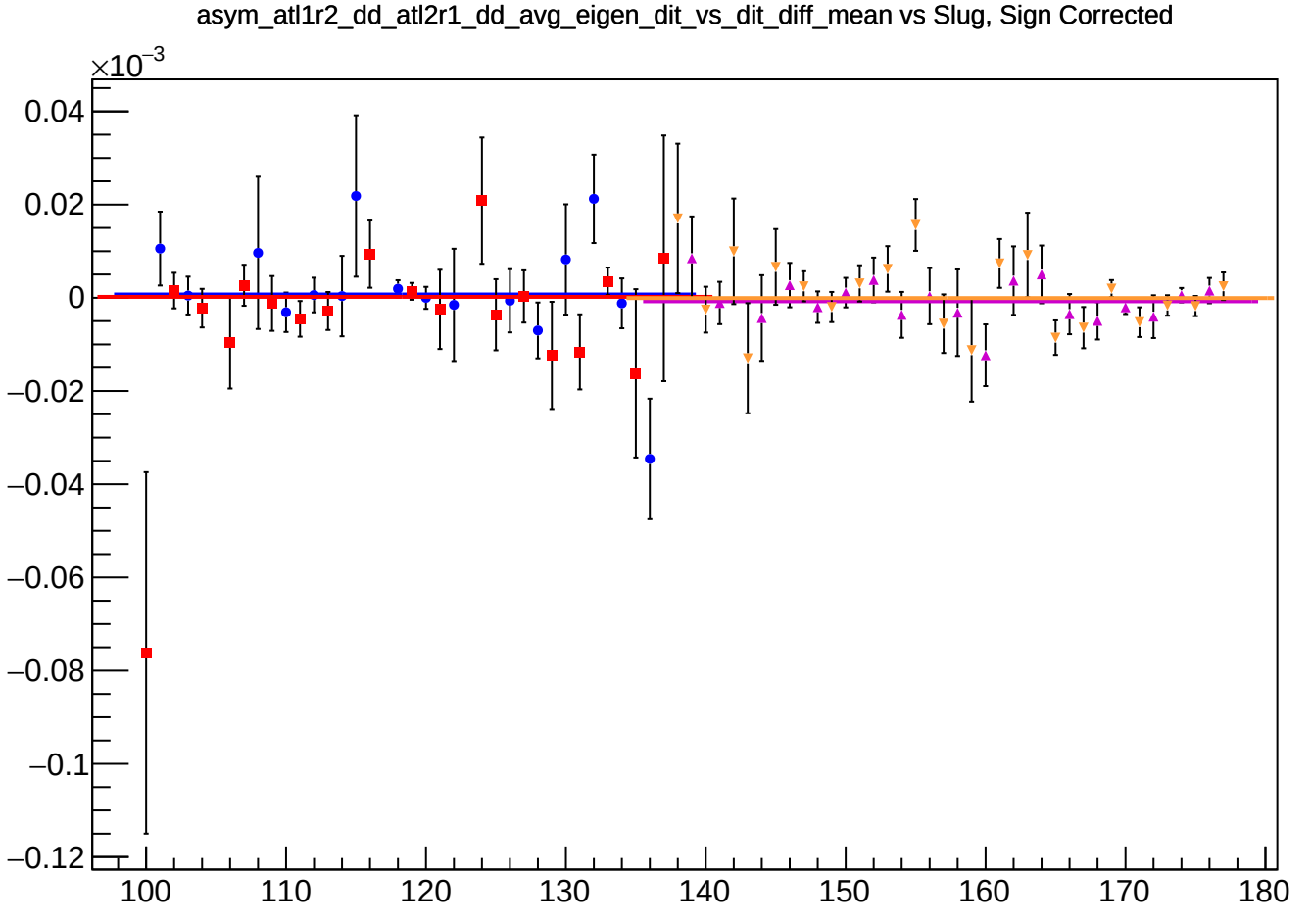
Left: 31.924+/-0.005 χ^2/NDF: 11314816.8/39

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 33.050+/-0.006 χ^2/NDF:6977777.7/34

Out: 32.627+/-0.006 χ^2/NDF:9652201.3/39

All: 32.839+/-0.004 χ^2/NDF: 16632700.9/74



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:12.1/18

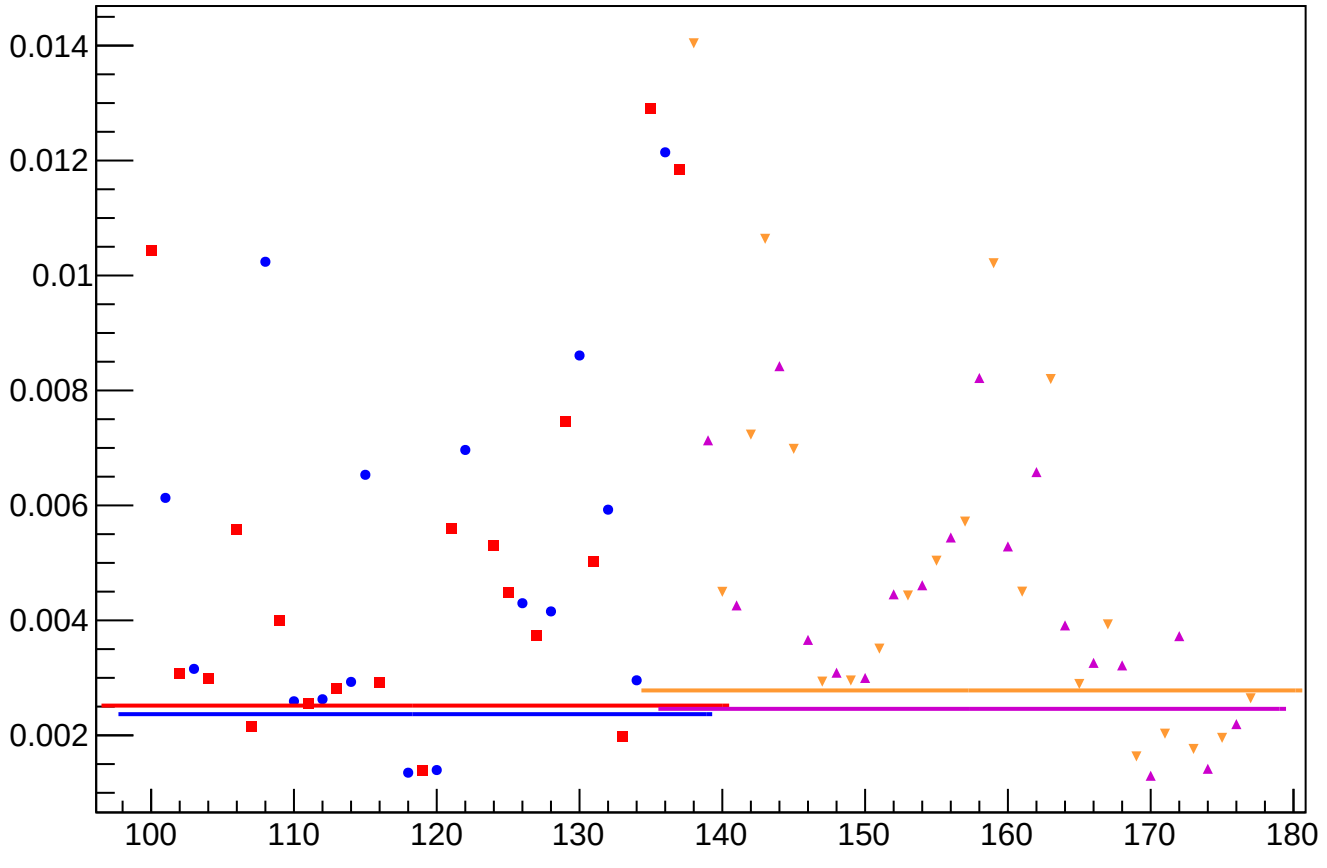
Left: -0.000+/-0.000 χ^2/NDF: 45.8/39

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:32.4/34

Out: 0.000+/-0.000 χ^2/NDF:51.4/39

All: -0.000+/-0.000 χ^2/NDF: 83.9/74



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.003+/-0.000 χ^2/NDF:7632972.3/20

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.002+/-0.000 χ^2/NDF:7563029.6/18

Left: 0.003+/-0.000 χ^2/NDF: 15362092.9/39

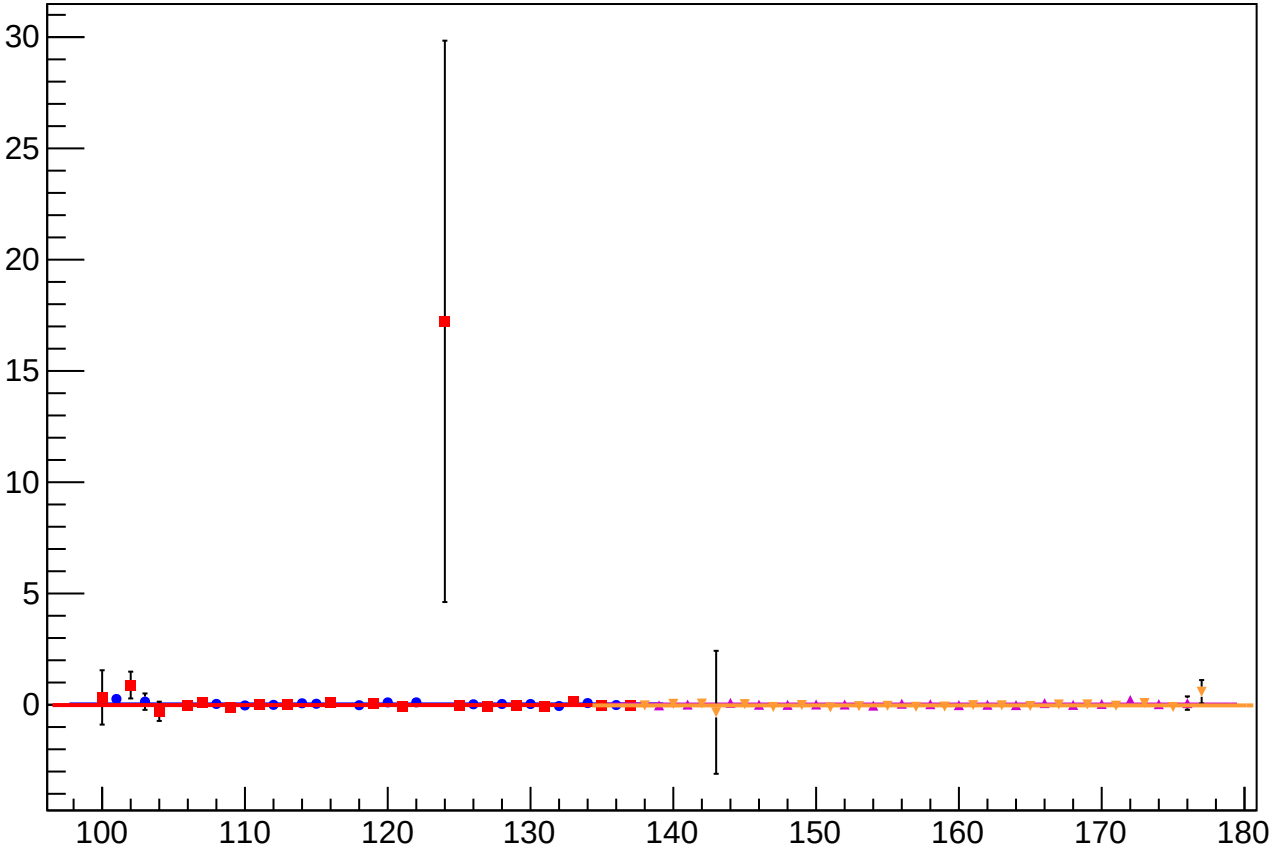
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.002+/-0.000 χ^2/NDF:12294052.4/34

Out: 0.003+/-0.000 χ^2/NDF:11108686.5/39

All: 0.003+/-0.000 χ^2/NDF: 23563014.6/74

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:25.2/20

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:10.7/18

Left: -0.008+/-0.007 χ^2/NDF: 44.1/39

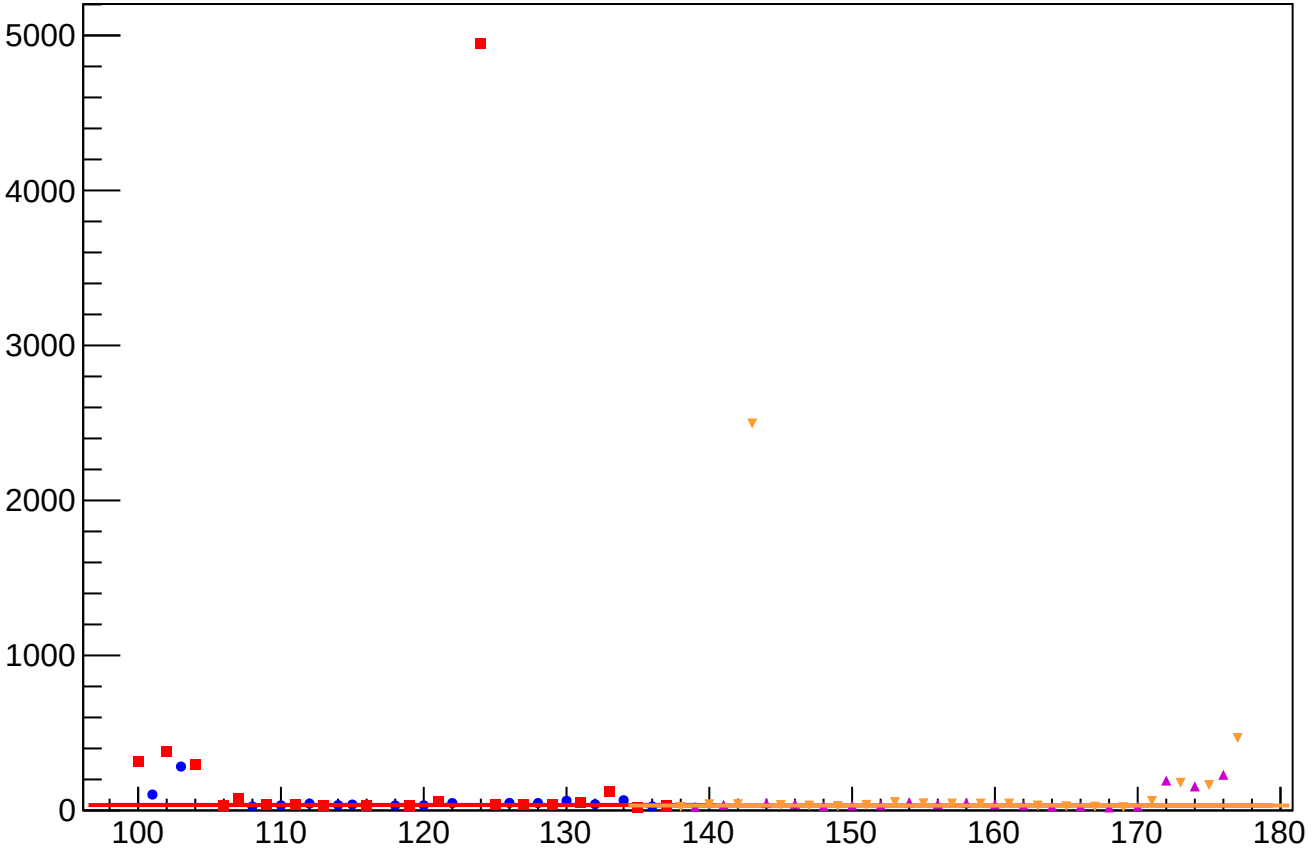
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.3/34

Out: -0.024+/-0.008 χ^2/NDF:41.8/39

All: -0.005+/-0.006 χ^2/NDF: 74.1/74

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: 31.819+/-0.007 χ^2/NDF:6685353.5/20

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.028+/-0.007 χ^2/NDF:4629822.5/18

Left: 31.924+/-0.005 χ^2/NDF: 11315659.5/39

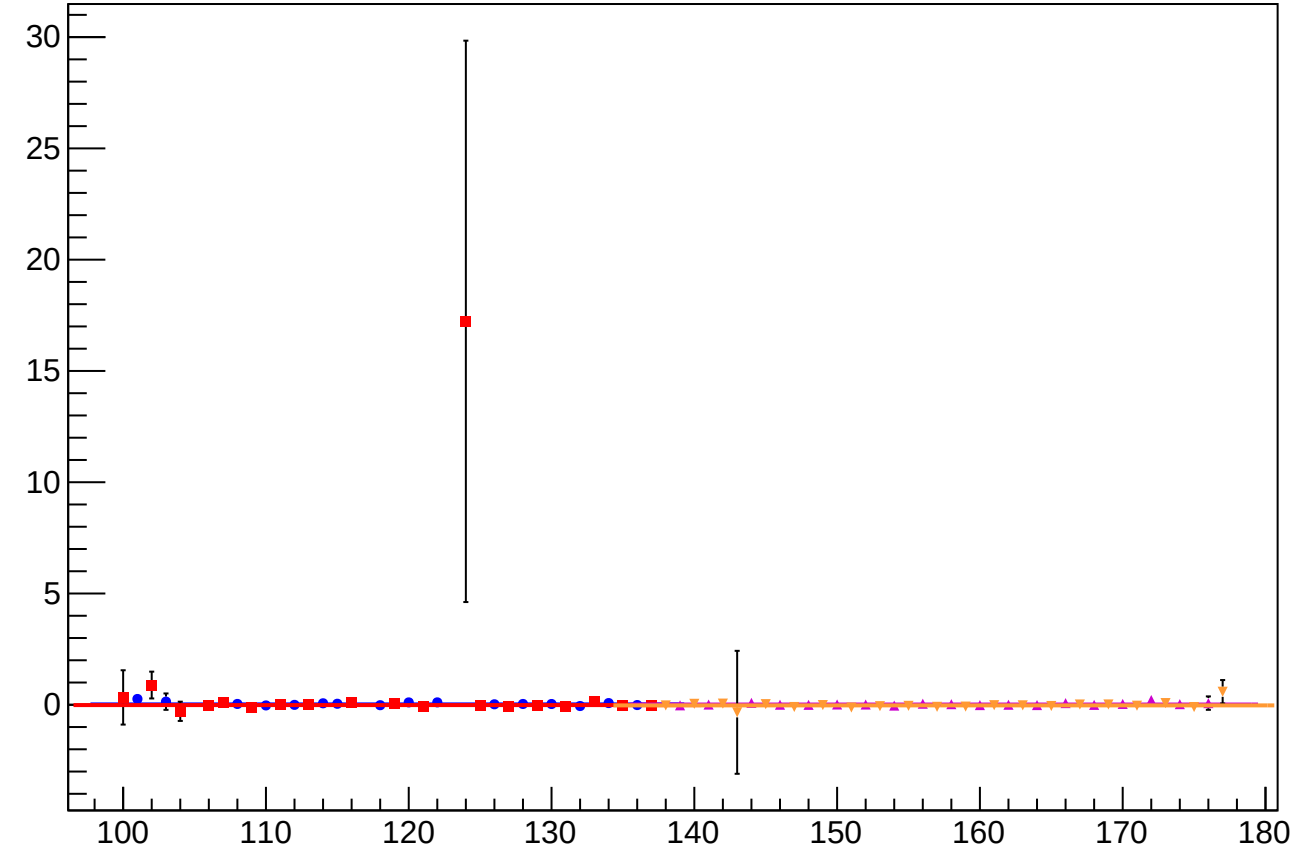
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 33.050+/-0.006 χ^2/NDF:6978217.2/34

Out: 32.627+/-0.006 χ^2/NDF:9652322.1/39

All: 32.839+/-0.004 χ^2/NDF: 16633252.6/74

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:25.2/20

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:10.7/18

Left: -0.008+/-0.007 χ^2/NDF: 44.1/39

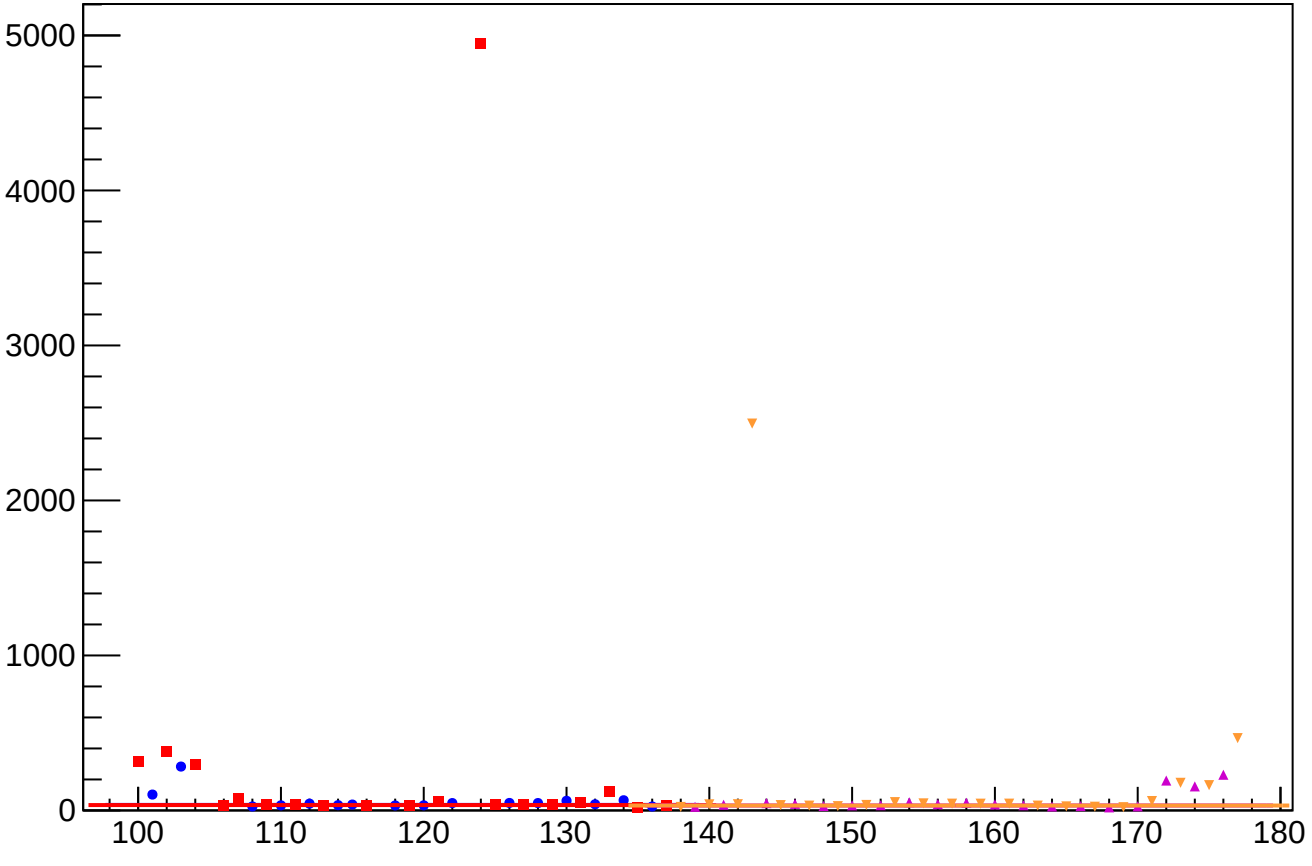
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.3/34

Out: -0.024+/-0.008 χ^2/NDF:41.8/39

All: -0.005+/-0.006 χ^2/NDF: 74.1/74

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: 31.819+/-0.007 χ^2/NDF:6685353.5/20

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.028+/-0.007 χ^2/NDF:4629822.5/18

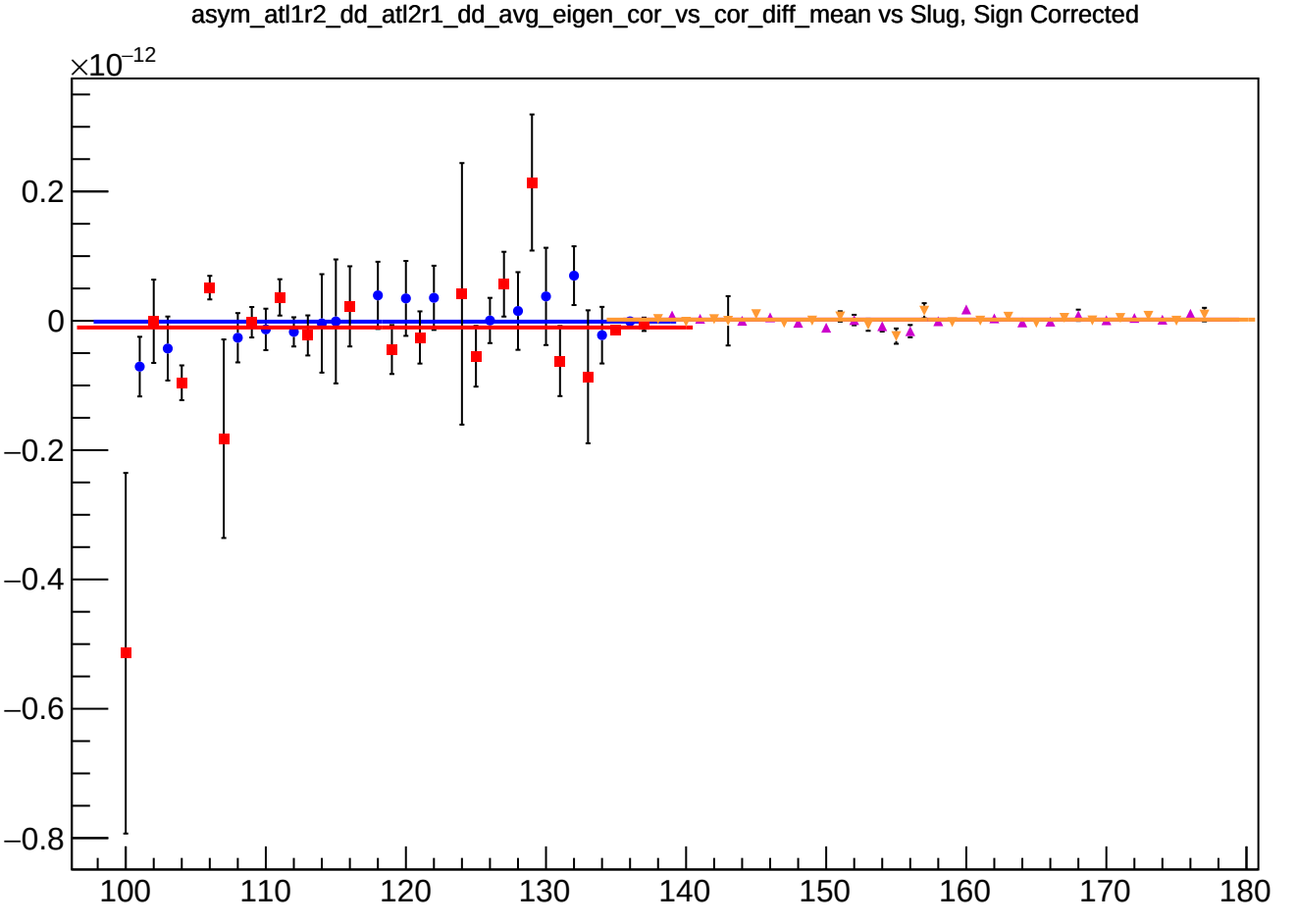
Left: 31.924+/-0.005 χ^2/NDF: 11315659.5/39

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 33.050+/-0.006 χ^2/NDF:6978217.2/34

Out: 32.627+/-0.006 χ^2/NDF:9652322.1/39

All: 32.839+/-0.004 χ^2/NDF: 16633252.6/74



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.5/20

Right Out: -0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: 0.000+/-0.000 χ^2/NDF:22.9/18

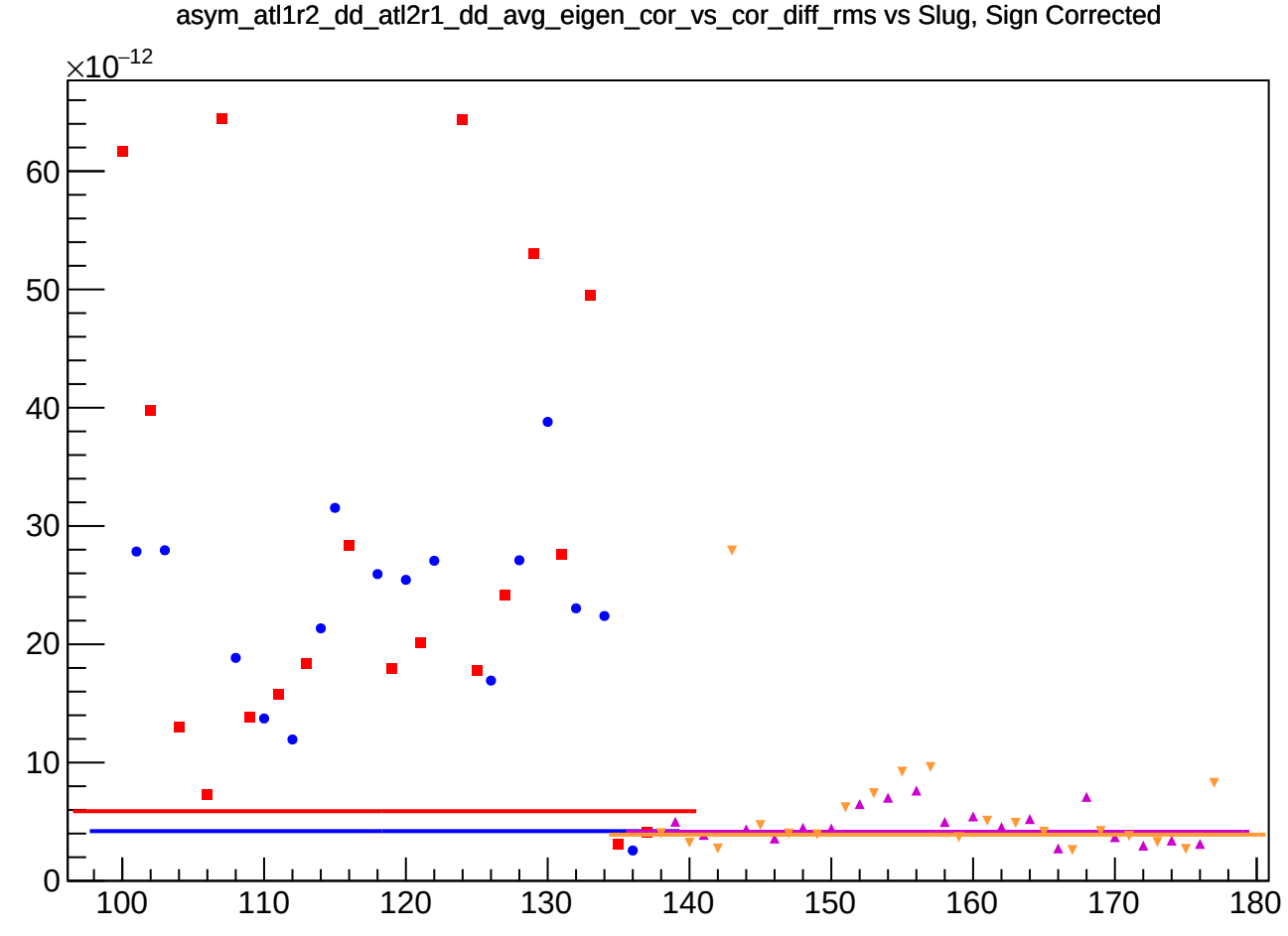
Left: 0.000+/-0.000 χ^2/NDF: 38.4/39

Right: -0.000+/-0.000 χ^2/NDF: 51.3/34

In: 0.000+/-0.000 χ^2/NDF:32.3/34

Out: 0.000+/-0.000 χ^2/NDF:63.1/39

All: 0.000+/-0.000 χ^2/NDF: 95.5/74



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:3282441.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1659285.4/18

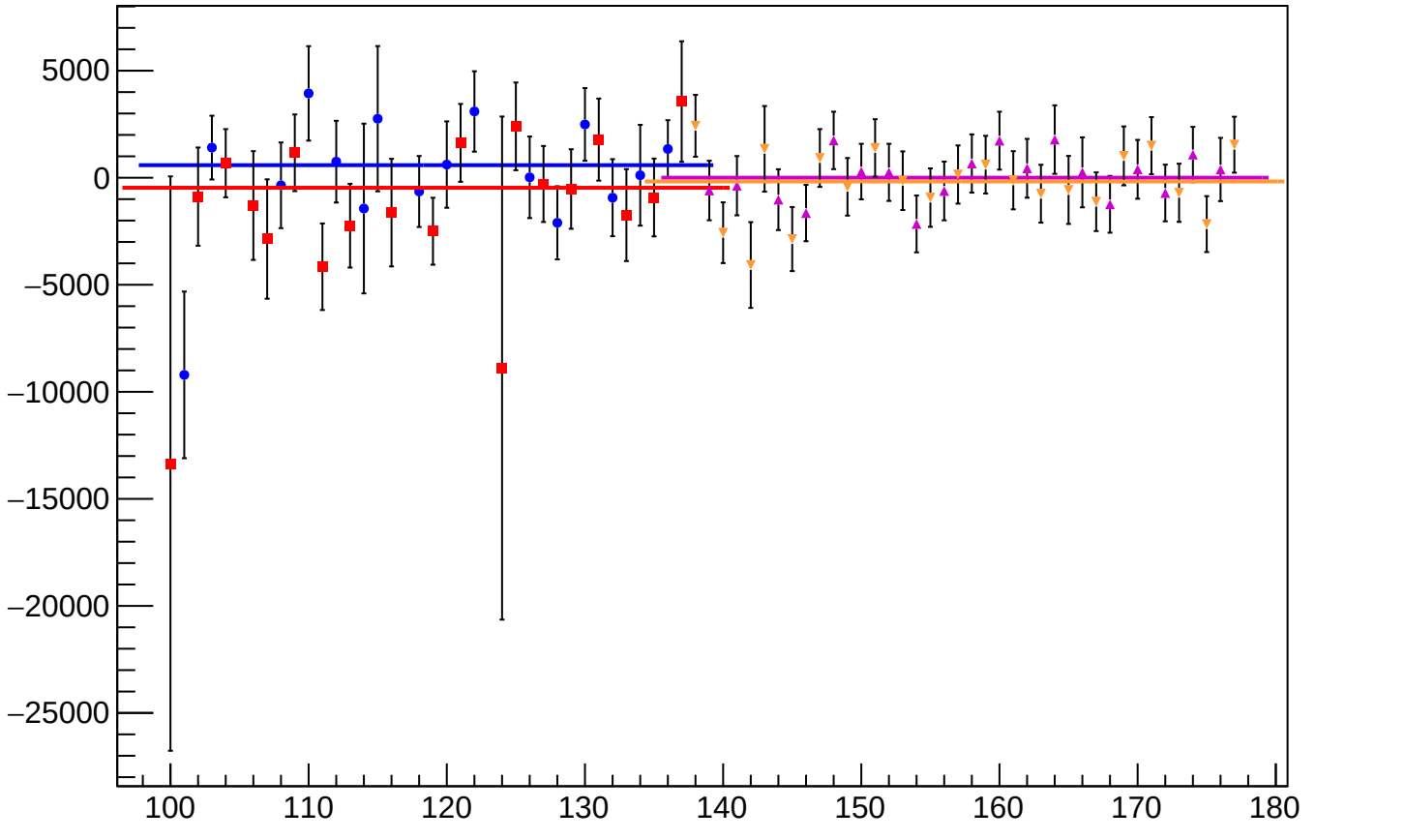
Left: 0.000+/-0.000 χ^2/NDF: 4977119.1/39

Right: 0.000+/-0.000 χ^2/NDF: 10135954.8/34

In: 0.000+/-0.000 χ^2/NDF:6739969.7/34

Out: 0.000+/-0.000 χ^2/NDF:8556363.5/39

All: 0.000+/-0.000 χ^2/NDF: 15301276.1/74



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -174.329+/-307.648 χ^2/NDF:23.7/20

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: 1.147+/-315.722 χ^2/NDF:12.2/18

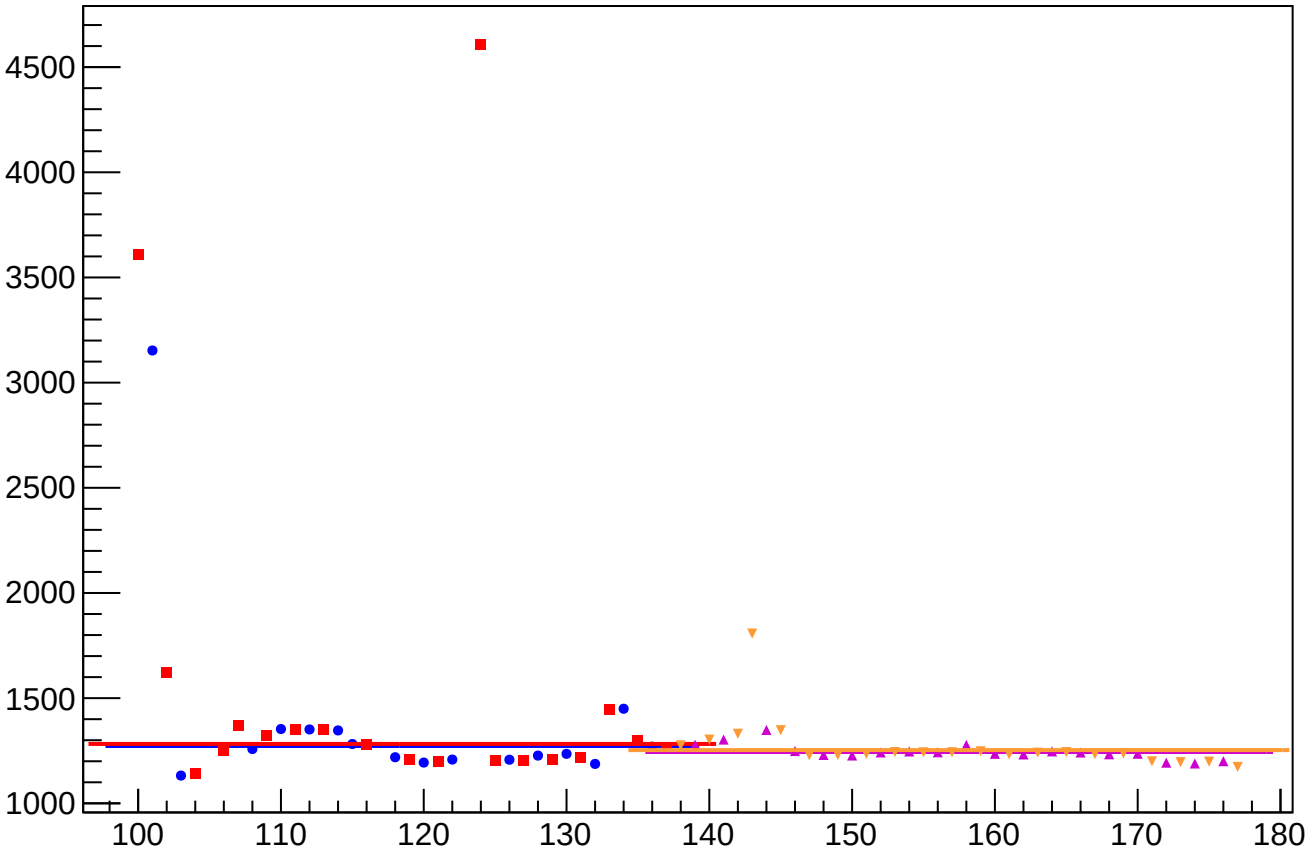
Left: -88.863+/-220.339 χ^2/NDF: 36.1/39

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 176.802+/-264.178 χ^2/NDF:30.3/34

Out: -260.004+/-259.094 χ^2/NDF:40.8/39

All: -45.845+/-184.979 χ^2/NDF: 72.6/74



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1252.983+/-0.218 χ^2/NDF:188394.0/20

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1244.136+/-0.223 χ^2/NDF:26202.8/18

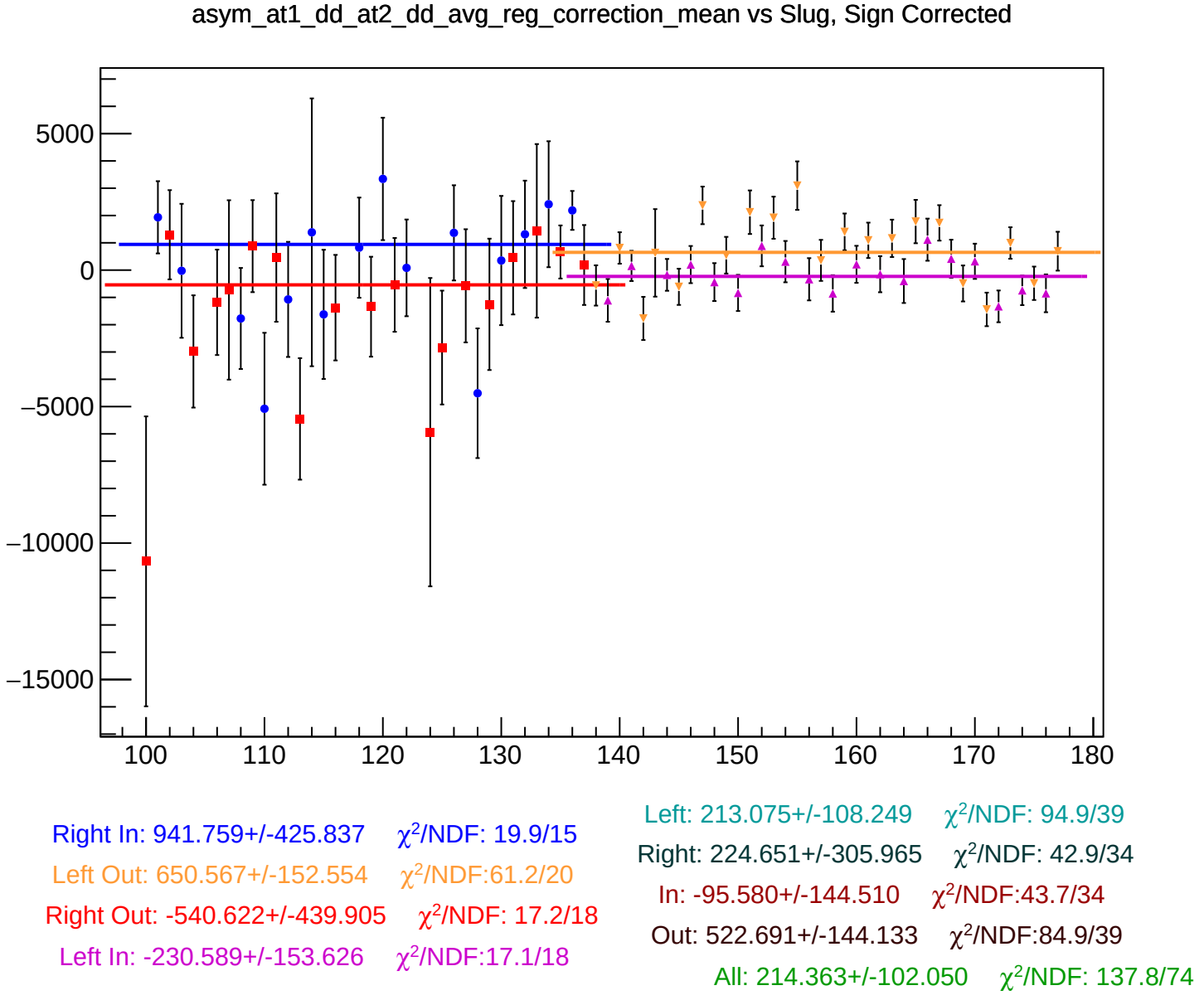
Left: 1248.674+/-0.156 χ^2/NDF: 215402.3/39

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

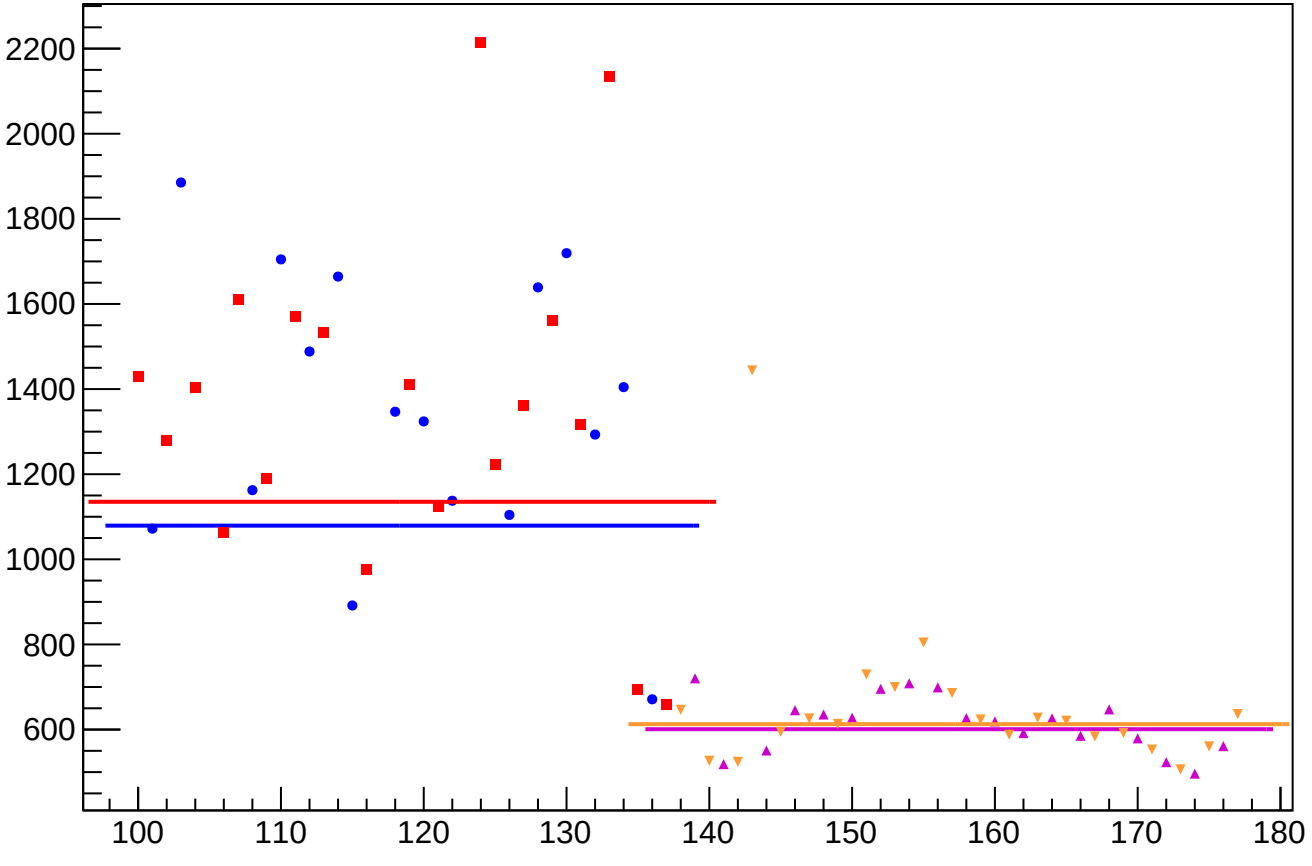
In: 1252.732+/-0.187 χ^2/NDF:550445.7/34

Out: 1261.525+/-0.183 χ^2/NDF:515776.4/39

All: 1257.214+/-0.131 χ^2/NDF: 1067351.5/74


asym_at1_dd_at2_dd_avg_reg_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 941.759+/-425.837 χ²/NDF: 19.9/15
Left Out: 650.567+/-152.554 χ²/NDF:61.2/20
Right Out: -540.622+/-439.905 χ²/NDF: 17.2/18
Left In: -230.589+/-153.626 χ²/NDF:17.1/18
Left: 213.075+/-108.249 χ²/NDF: 94.9/39
Right: 224.651+/-305.965 χ²/NDF: 42.9/34
In: -95.580+/-144.510 χ²/NDF:43.7/34
Out: 522.691+/-144.133 χ²/NDF:84.9/39
All: 214.363+/-102.050 χ²/NDF: 137.8/74

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: 612.699+/-0.108 χ^2/NDF:908075.3/20

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 600.799+/-0.109 χ^2/NDF:362403.7/18

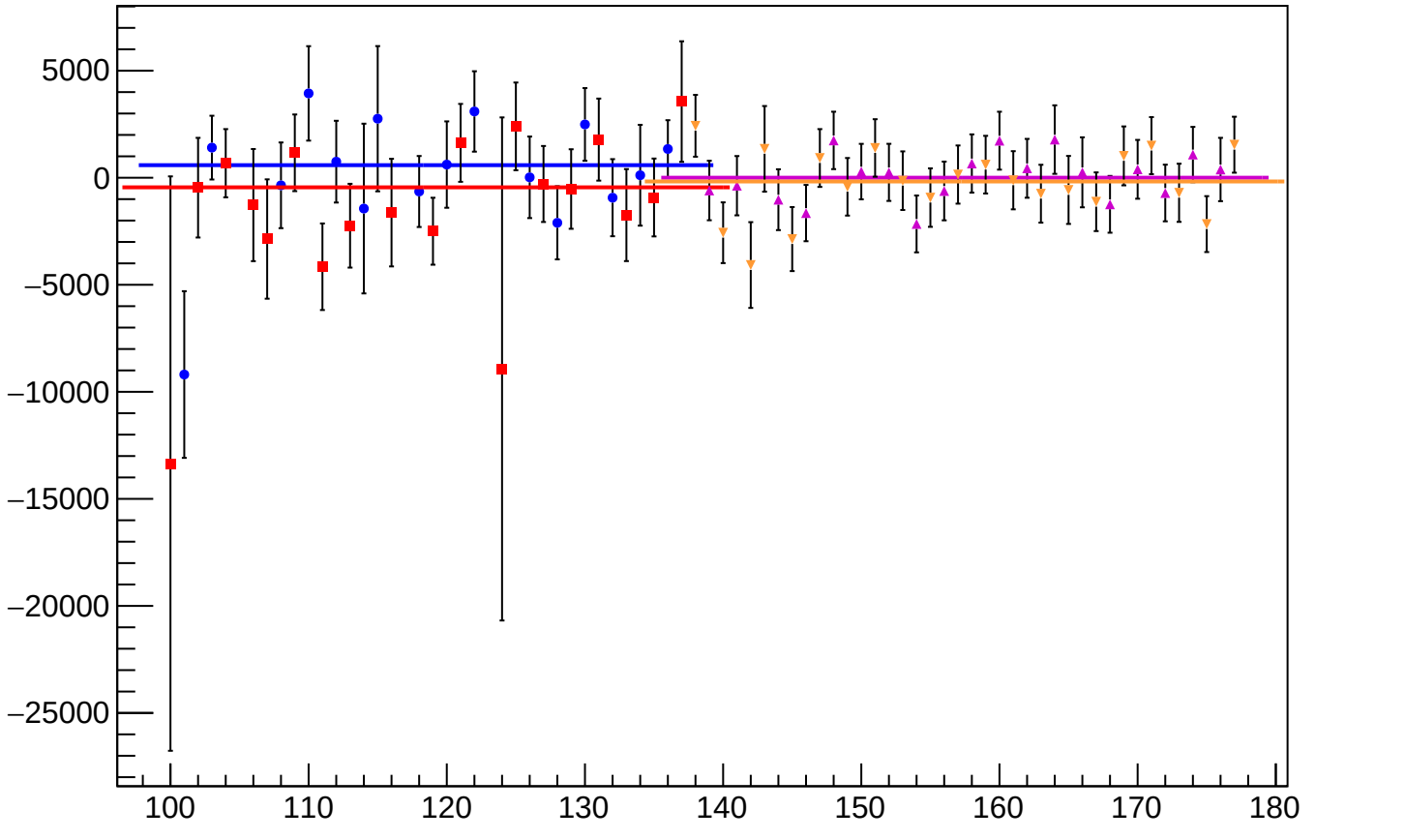
Left: 606.791+/-0.077 χ^2/NDF: 1276520.4/39

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 655.884+/-0.102 χ^2/NDF:4077412.1/34

Out: 668.786+/-0.102 χ^2/NDF:4719429.8/39

All: 662.351+/-0.072 χ^2/NDF: 8804834.1/74



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -174.375+/-307.648 χ^2/NDF:23.7/20

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: 1.108+/-315.722 χ^2/NDF:12.2/18

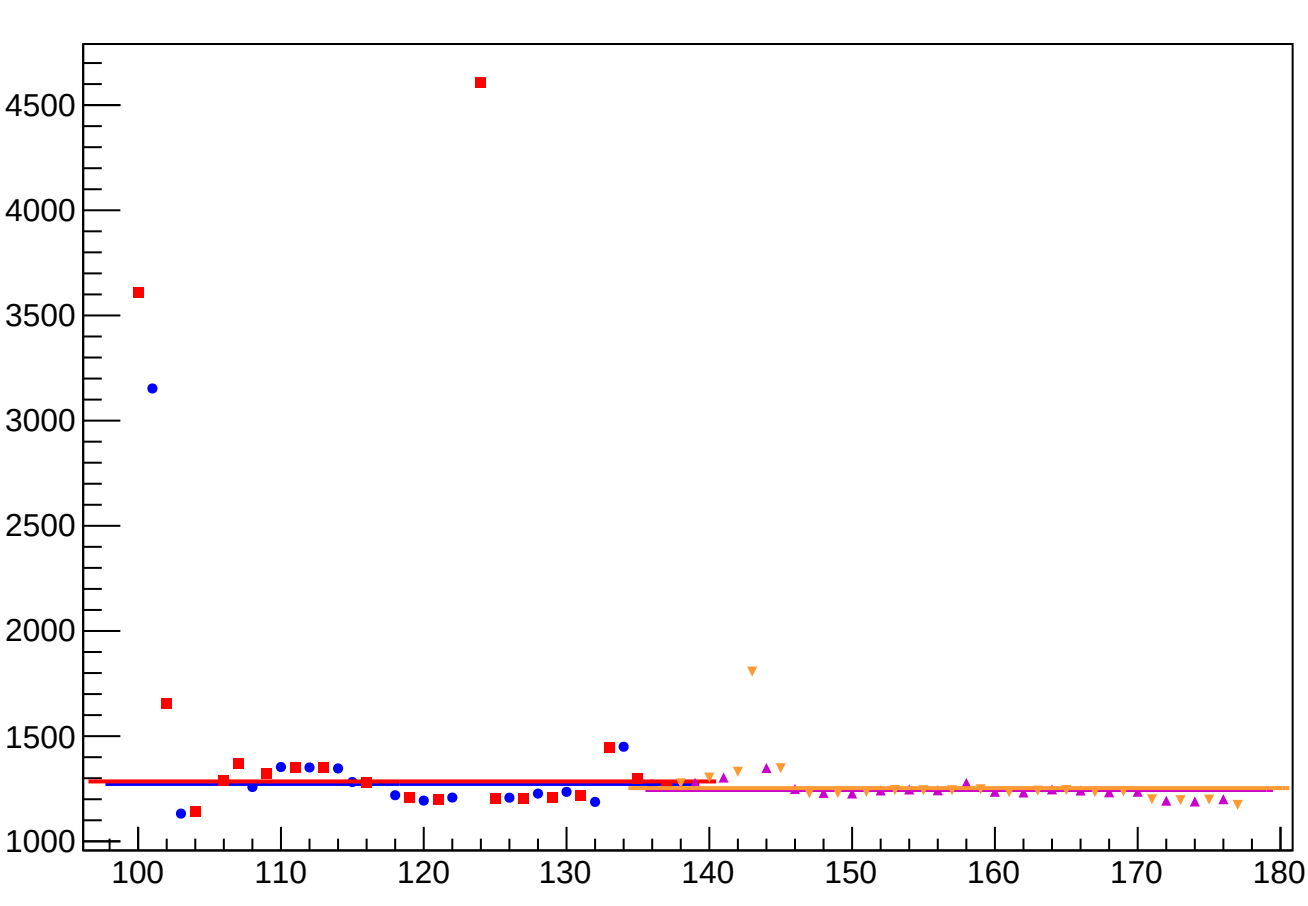
Left: -88.906+/-220.339 χ^2/NDF: 36.1/39

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 176.870+/-264.178 χ^2/NDF:30.3/34

Out: -253.856+/-259.222 χ^2/NDF:40.8/39

All: -42.571+/-185.025 χ^2/NDF: 72.4/74



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1252.983+/-0.218 χ^2/NDF:188394.0/20

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1244.136+/-0.223 χ^2/NDF:26202.8/18

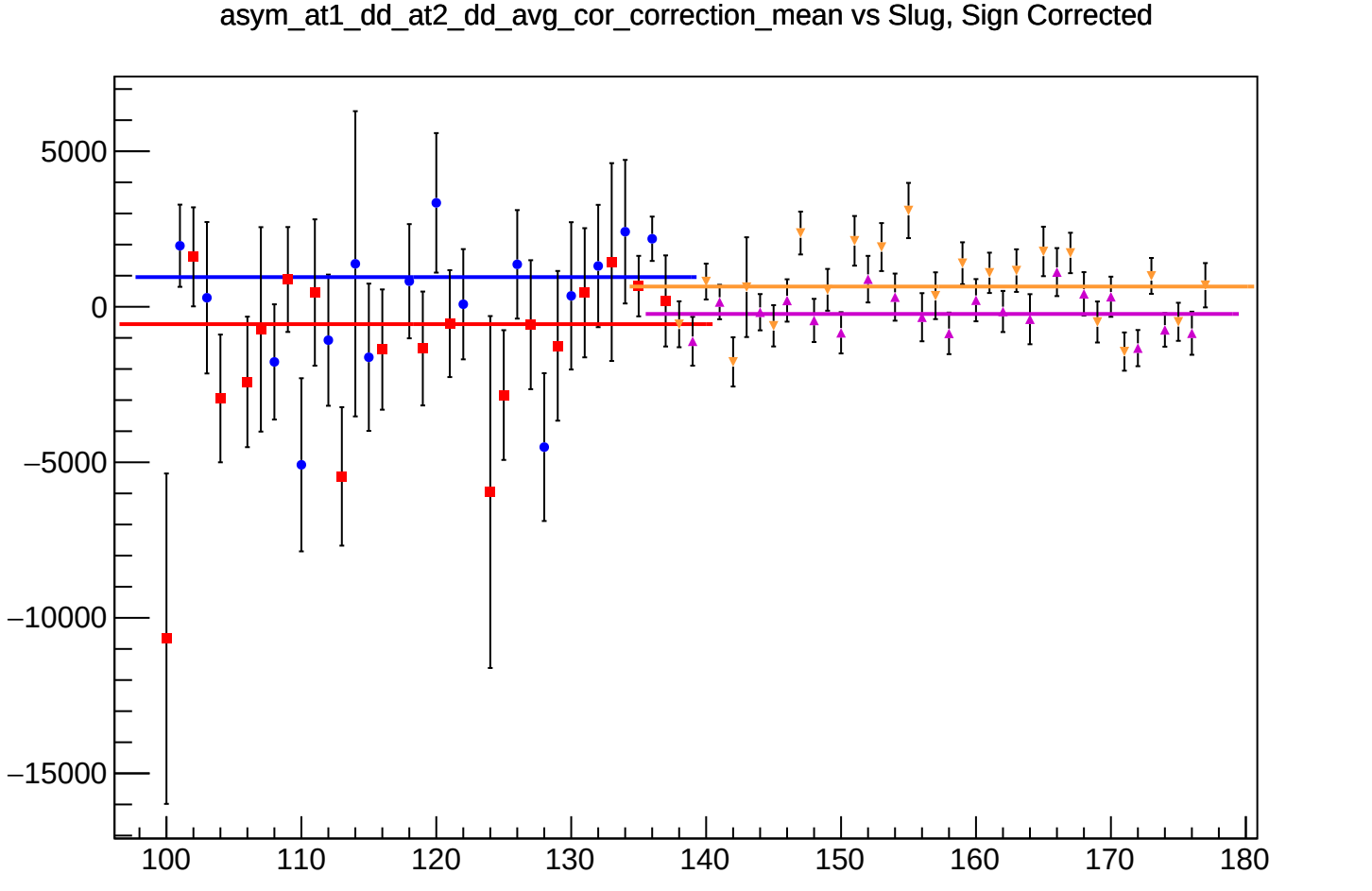
Left: 1248.674+/-0.156 χ^2/NDF: 215402.3/39

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1252.732+/-0.187 χ^2/NDF:550447.1/34

Out: 1262.169+/-0.183 χ^2/NDF:523276.6/39

All: 1257.540+/-0.131 χ^2/NDF: 1075023.7/74



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 650.593+/-152.555 χ^2/NDF:61.2/20

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -230.565+/-153.625 χ^2/NDF:17.1/18

Left: 213.095+/-108.249 χ^2/NDF: 94.9/39

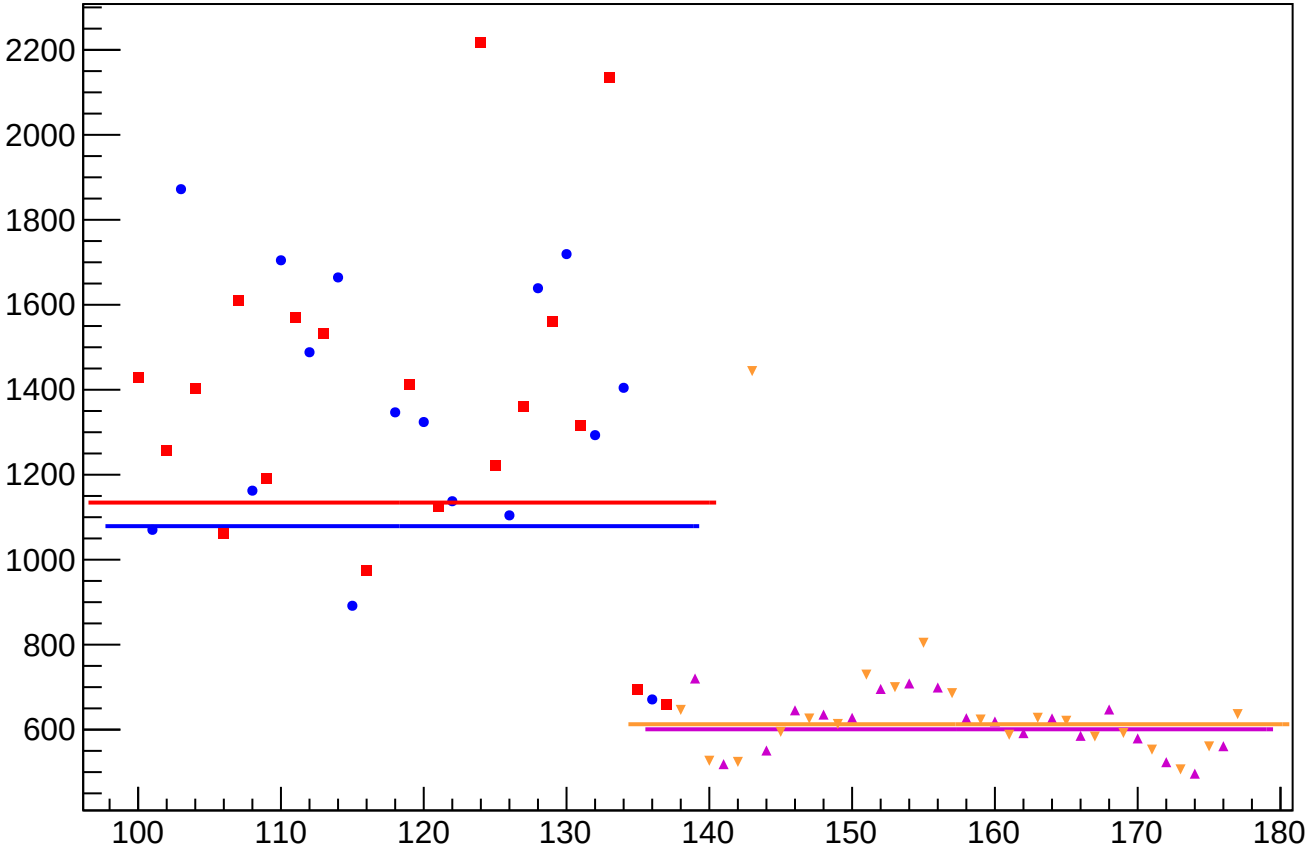
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: -94.033+/-144.502 χ^2/NDF:43.8/34

Out: 521.302+/-144.164 χ^2/NDF:86.3/39

All: 214.356+/-102.059 χ^2/NDF: 139.2/74

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: 612.702+/-0.108 χ^2/NDF:908027.8/20

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 600.796+/-0.109 χ^2/NDF:362428.7/18

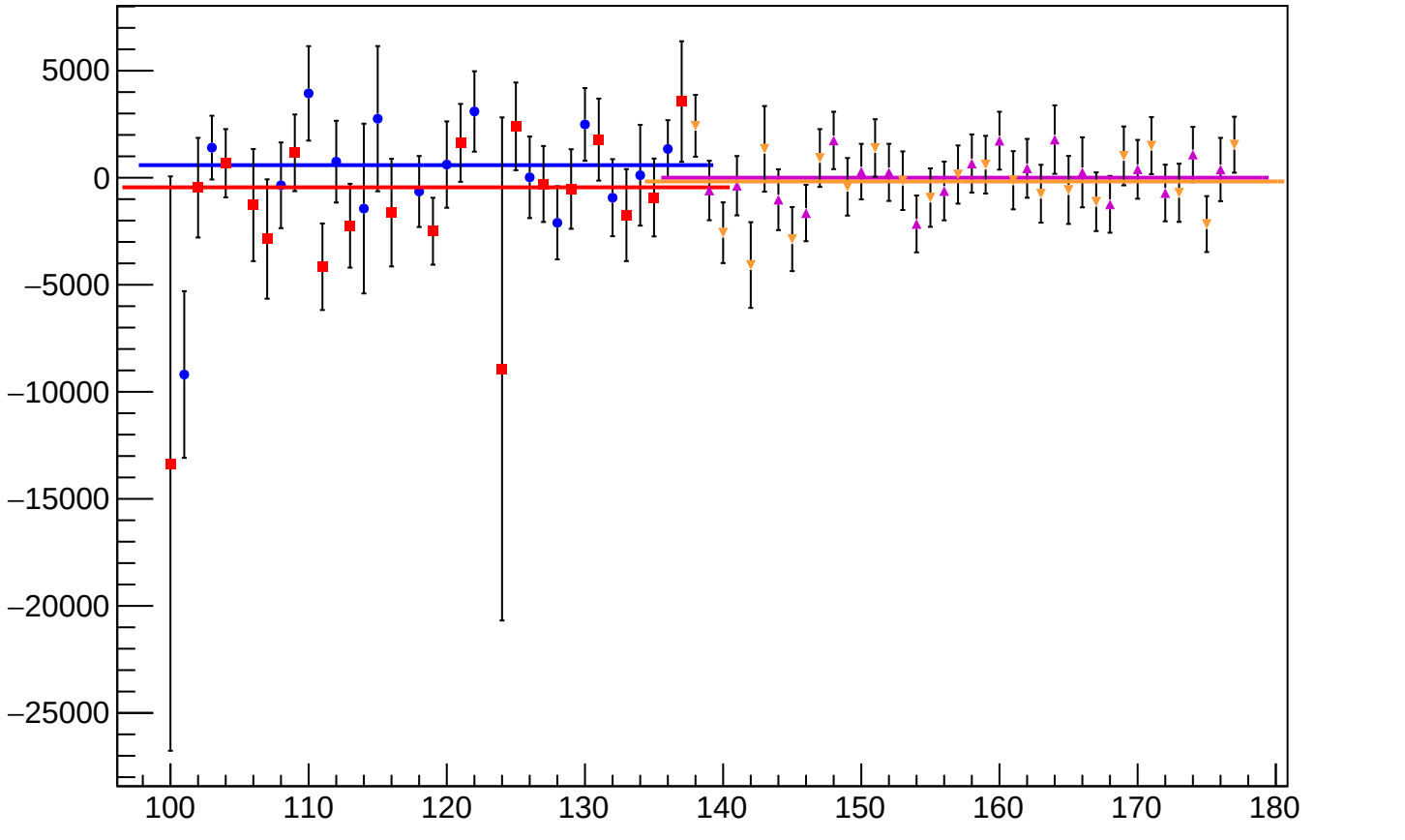
Left: 606.790+/-0.077 χ^2/NDF: 1276505.1/39

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 655.899+/-0.102 χ^2/NDF:4073844.4/34

Out: 668.517+/-0.102 χ^2/NDF:4699431.4/39

All: 662.223+/-0.072 χ^2/NDF: 8780919.3/74



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -174.375+/-307.648 χ^2/NDF:23.7/20

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: 1.108+/-315.722 χ^2/NDF:12.2/18

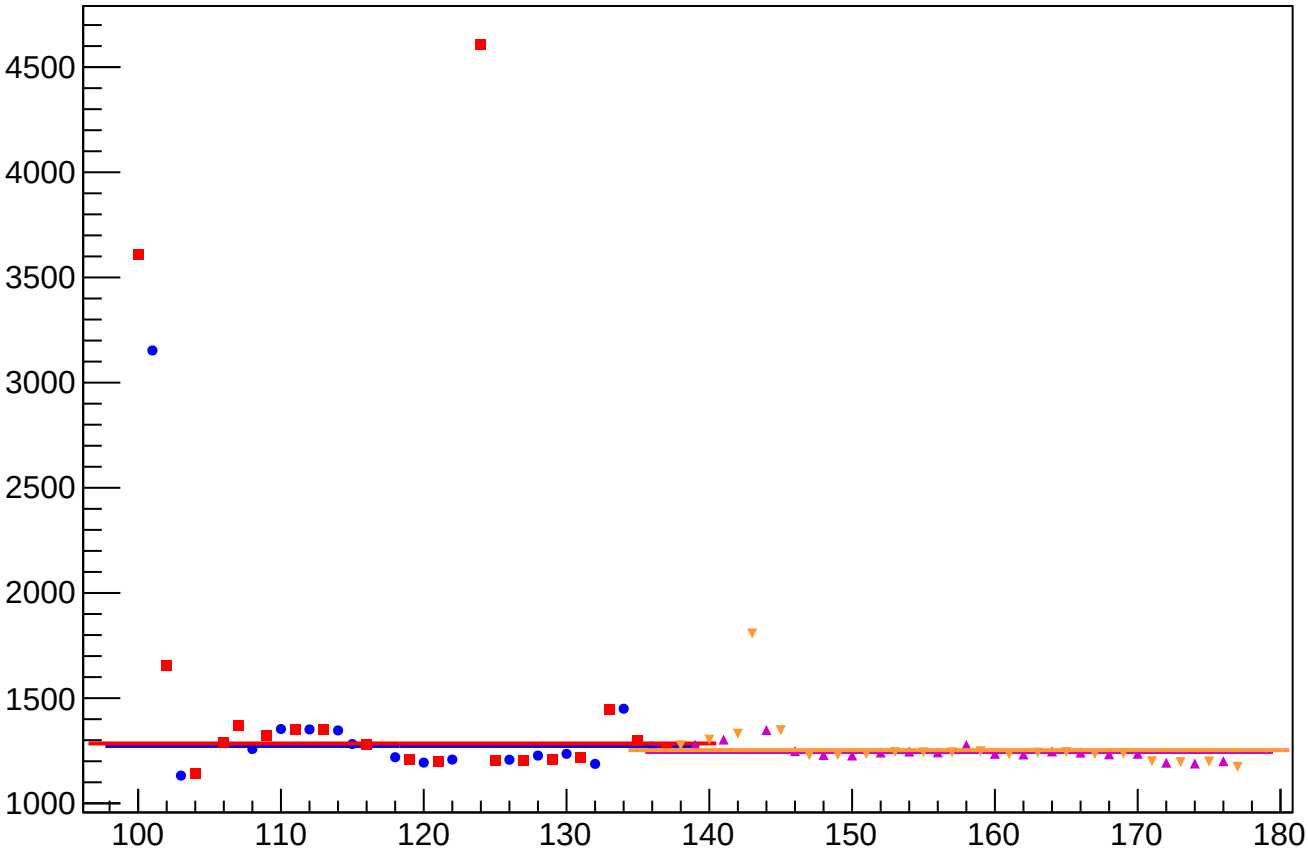
Left: -88.906+/-220.339 χ^2/NDF: 36.1/39

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 176.870+/-264.178 χ^2/NDF:30.3/34

Out: -253.856+/-259.222 χ^2/NDF:40.8/39

All: -42.571+/-185.025 χ^2/NDF: 72.4/74



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1252.983+/-0.218 χ^2/NDF:188394.0/20

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1244.136+/-0.223 χ^2/NDF:26202.8/18

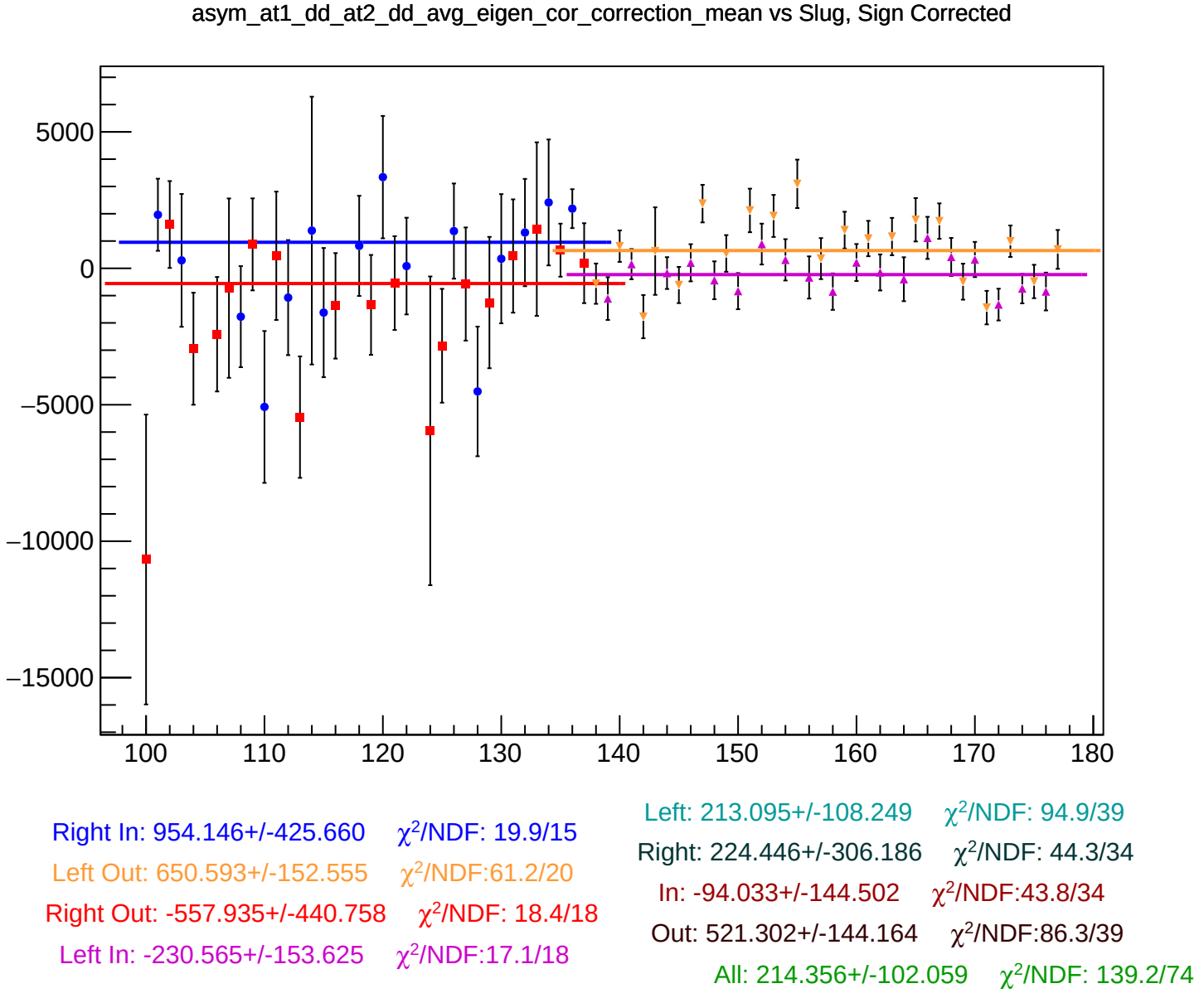
Left: 1248.674+/-0.156 χ^2/NDF: 215402.3/39

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

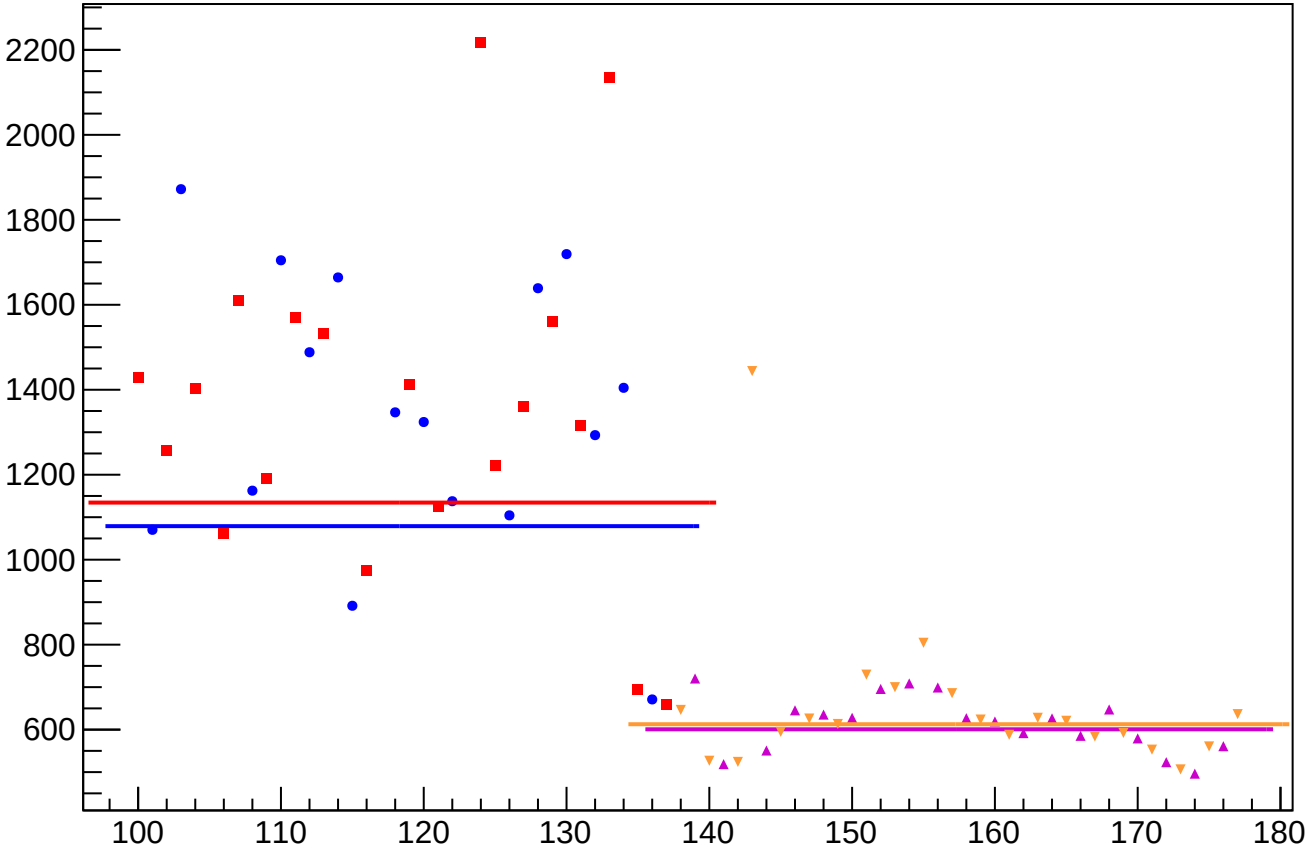
In: 1252.732+/-0.187 χ^2/NDF:550447.1/34

Out: 1262.169+/-0.183 χ^2/NDF:523276.6/39

All: 1257.540+/-0.131 χ^2/NDF: 1075023.7/74


asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 954.146+/-425.660 χ²/NDF: 19.9/15
Left Out: 650.593+/-152.555 χ²/NDF:61.2/20
Right Out: -557.935+/-440.758 χ²/NDF: 18.4/18
Left In: -230.565+/-153.625 χ²/NDF:17.1/18
Left: 213.095+/-108.249 χ²/NDF: 94.9/39
Right: 224.446+/-306.186 χ²/NDF: 44.3/34
In: -94.033+/-144.502 χ²/NDF:43.8/34
Out: 521.302+/-144.164 χ²/NDF:86.3/39
All: 214.356+/-102.059 χ²/NDF: 139.2/74

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: 612.702+/-0.108 χ^2/NDF:908027.8/20

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 600.796+/-0.109 χ^2/NDF:362428.7/18

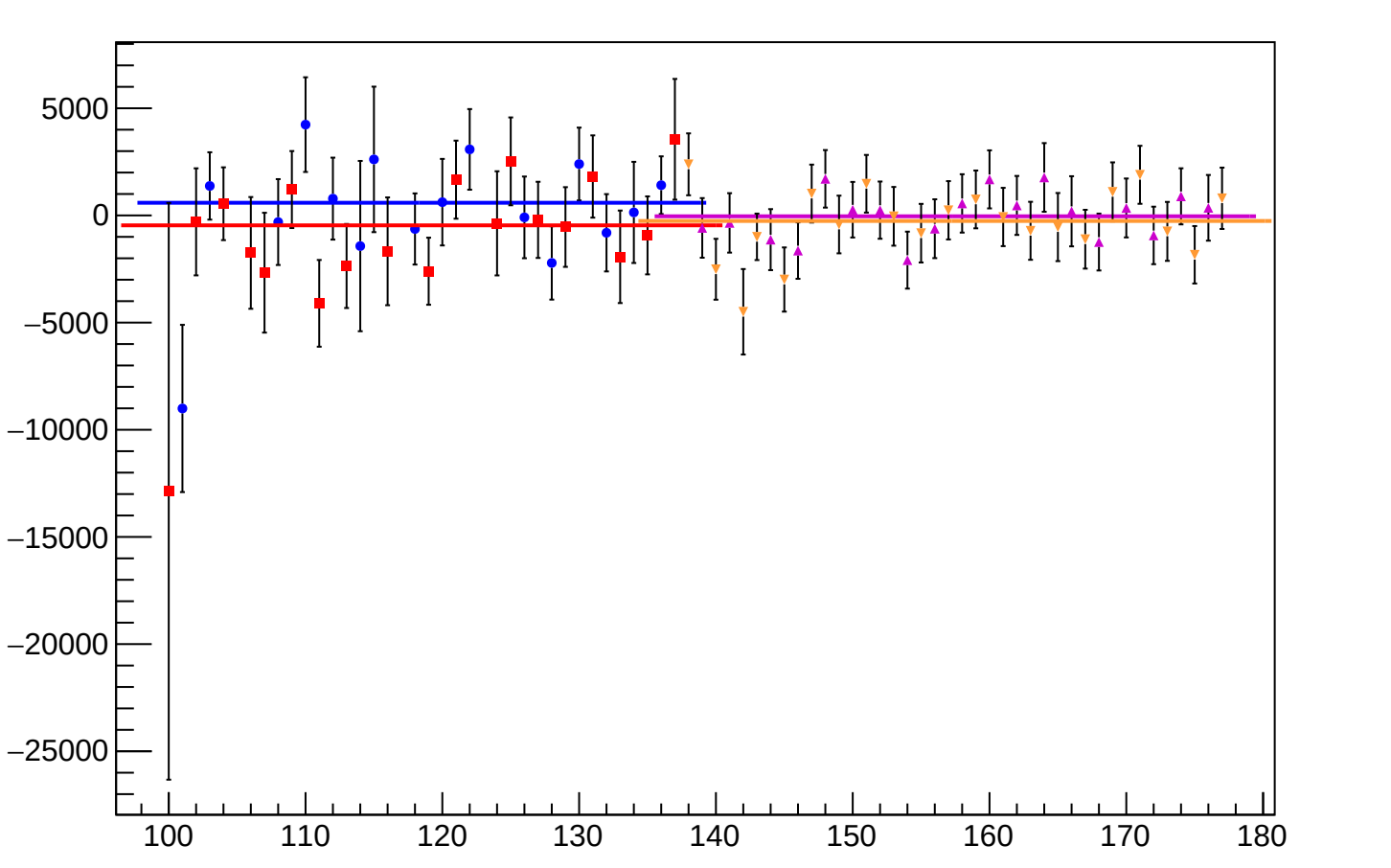
Left: 606.790+/-0.077 χ^2/NDF: 1276505.1/39

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 655.899+/-0.102 χ^2/NDF:4073844.4/34

Out: 668.517+/-0.102 χ^2/NDF:4699431.4/39

All: 662.223+/-0.072 χ^2/NDF: 8780919.3/74



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -258.828+/-301.527 χ^2/NDF:23.8/20

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -39.558+/-316.920 χ^2/NDF:11.8/18

Left: -154.647+/-218.451 χ^2/NDF: 35.8/39

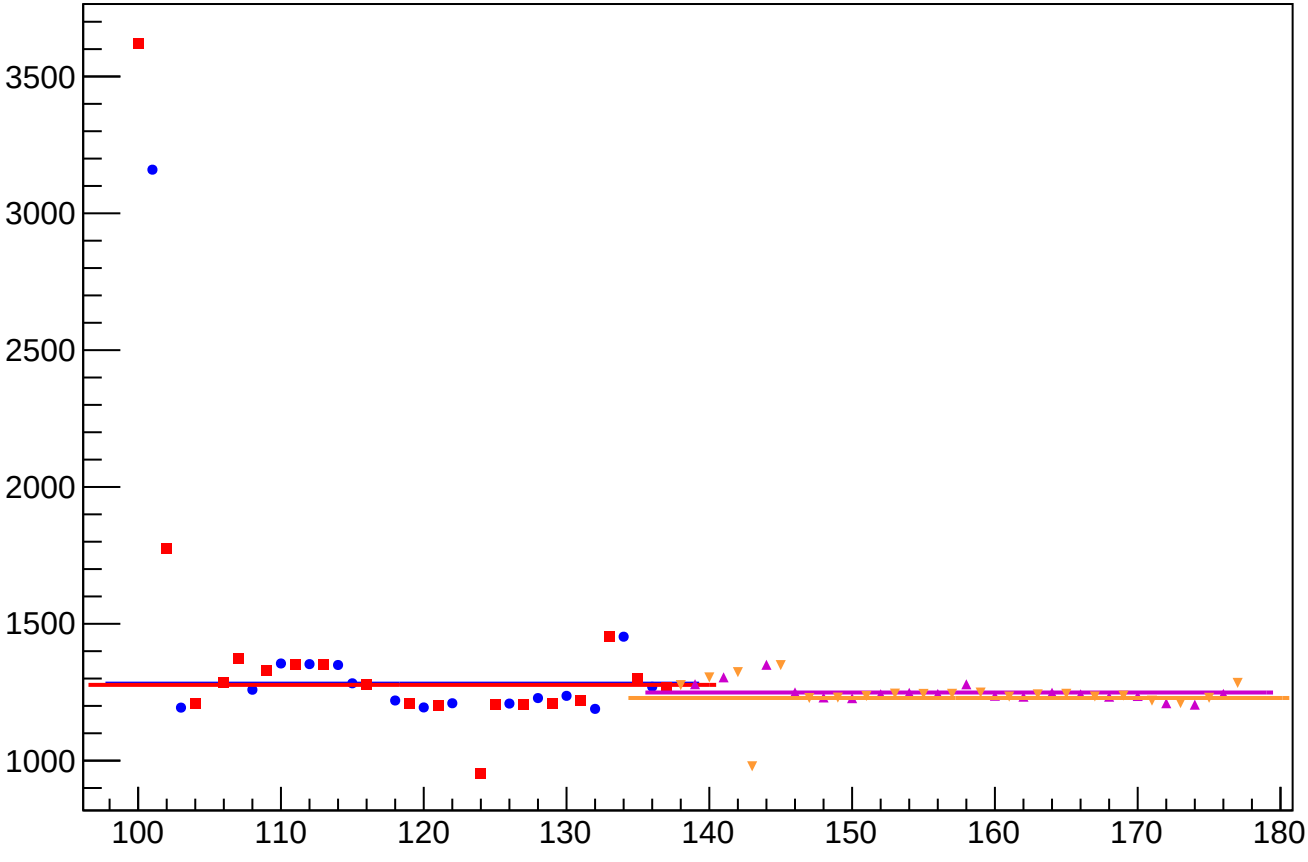
Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 148.654+/-265.380 χ^2/NDF:30.1/34

Out: -317.043+/-254.843 χ^2/NDF:40.6/39

All: -93.624+/-183.813 χ^2/NDF: 72.3/74

dit_asym_at1_dd_at2_dd_avg_rms vs Slug, Sign Corrected



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1228.956+/-0.213 χ^2/NDF:136371.9/20

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1248.957+/-0.224 χ^2/NDF:21082.7/18

Left: 1238.459+/-0.154 χ^2/NDF: 161635.8/39

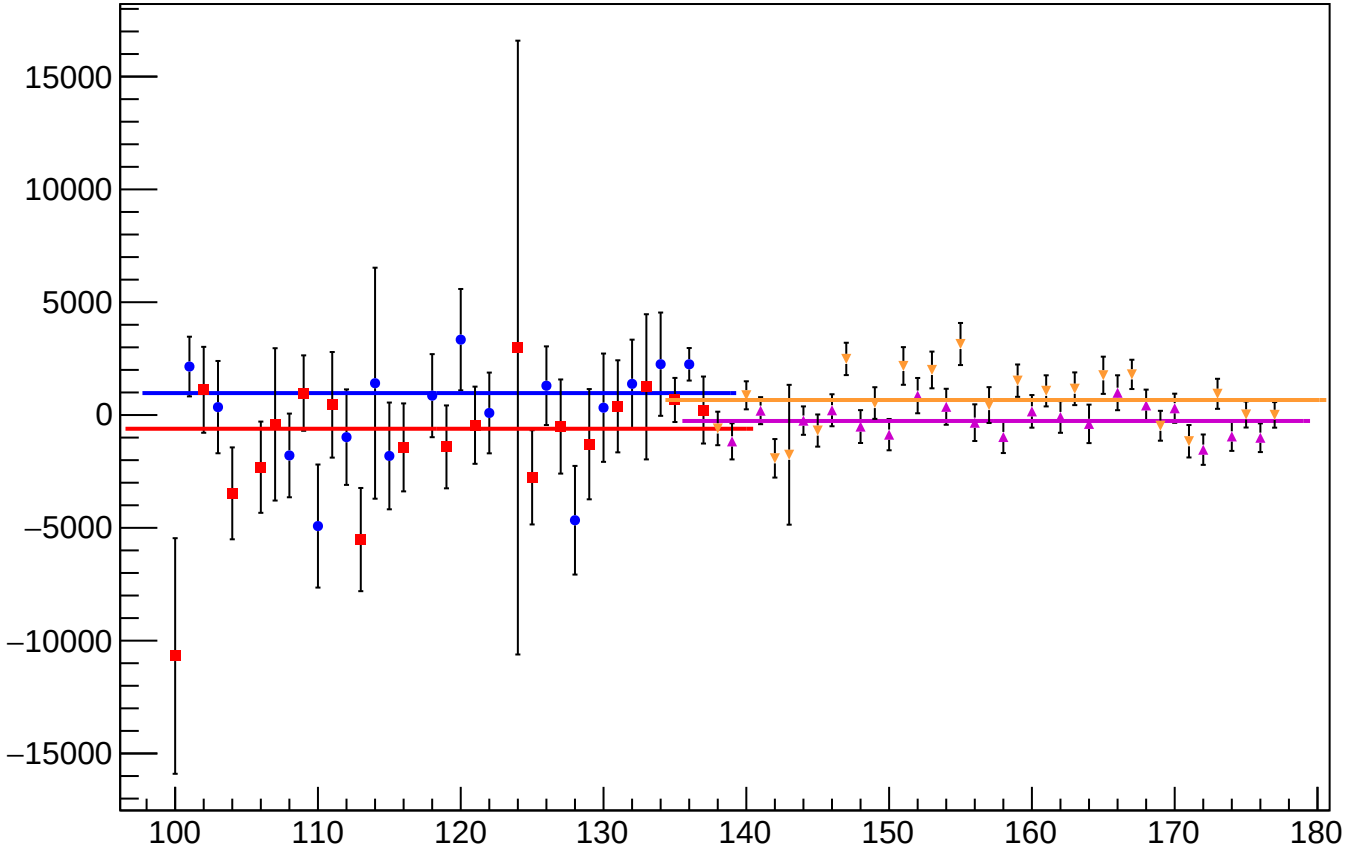
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1258.642+/-0.188 χ^2/NDF:534411.9/34

Out: 1242.641+/-0.180 χ^2/NDF:371307.1/39

All: 1250.317+/-0.130 χ^2/NDF: 909501.5/74

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: 665.726+/-158.358 χ^2/NDF:55.2/20

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: -263.669+/-162.125 χ^2/NDF:17.7/18

Left: 211.951+/-113.284 χ^2/NDF: 89.8/39

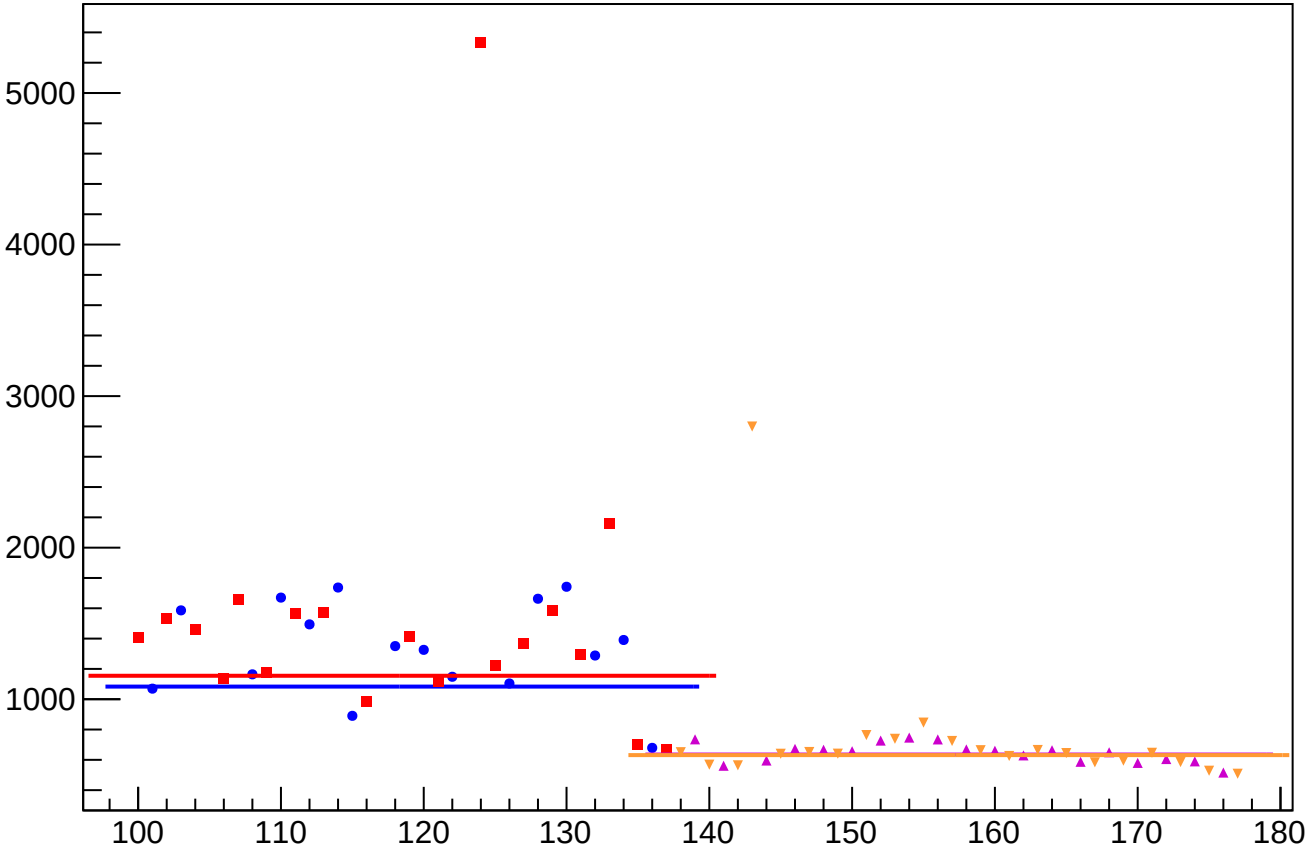
Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: -106.802+/-151.487 χ^2/NDF:45.6/34

Out: 524.057+/-149.295 χ^2/NDF:79.6/39

All: 213.226+/-106.334 χ^2/NDF: 133.9/74

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: 631.200+/-0.112 χ^2/NDF:1428122.1/20

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 634.968+/-0.115 χ^2/NDF:294225.7/18

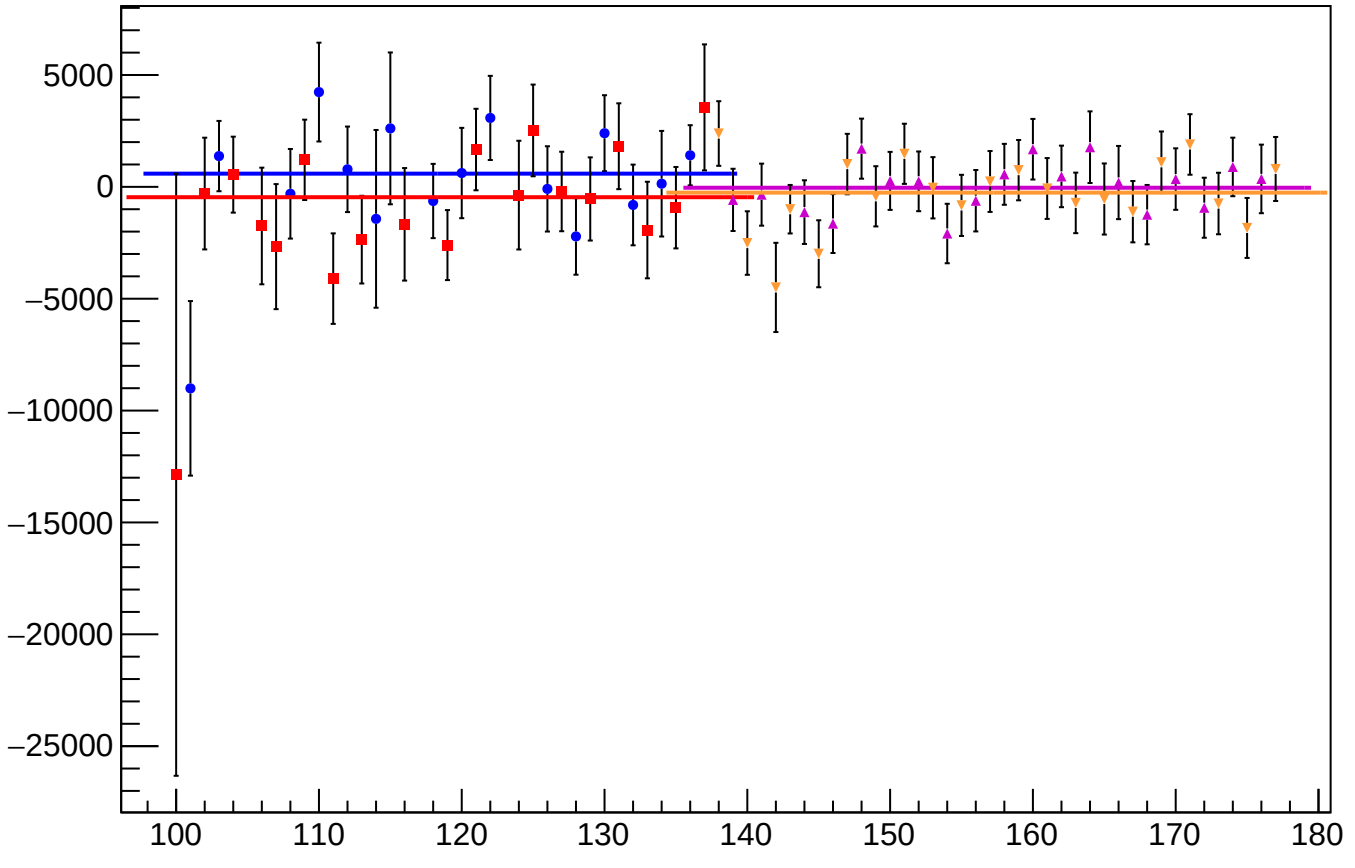
Left: 633.040+/-0.080 χ^2/NDF: 1722900.8/39

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 691.875+/-0.107 χ^2/NDF:3595827.9/34

Out: 689.408+/-0.106 χ^2/NDF:5346810.3/39

All: 690.624+/-0.075 χ^2/NDF: 8942907.0/74



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -258.829+/-301.527 χ^2/NDF:23.8/20

Right Out: -462.605+/-476.795 χ^2/NDF: 16.7/18

Left In: -39.558+/-316.920 χ^2/NDF:11.8/18

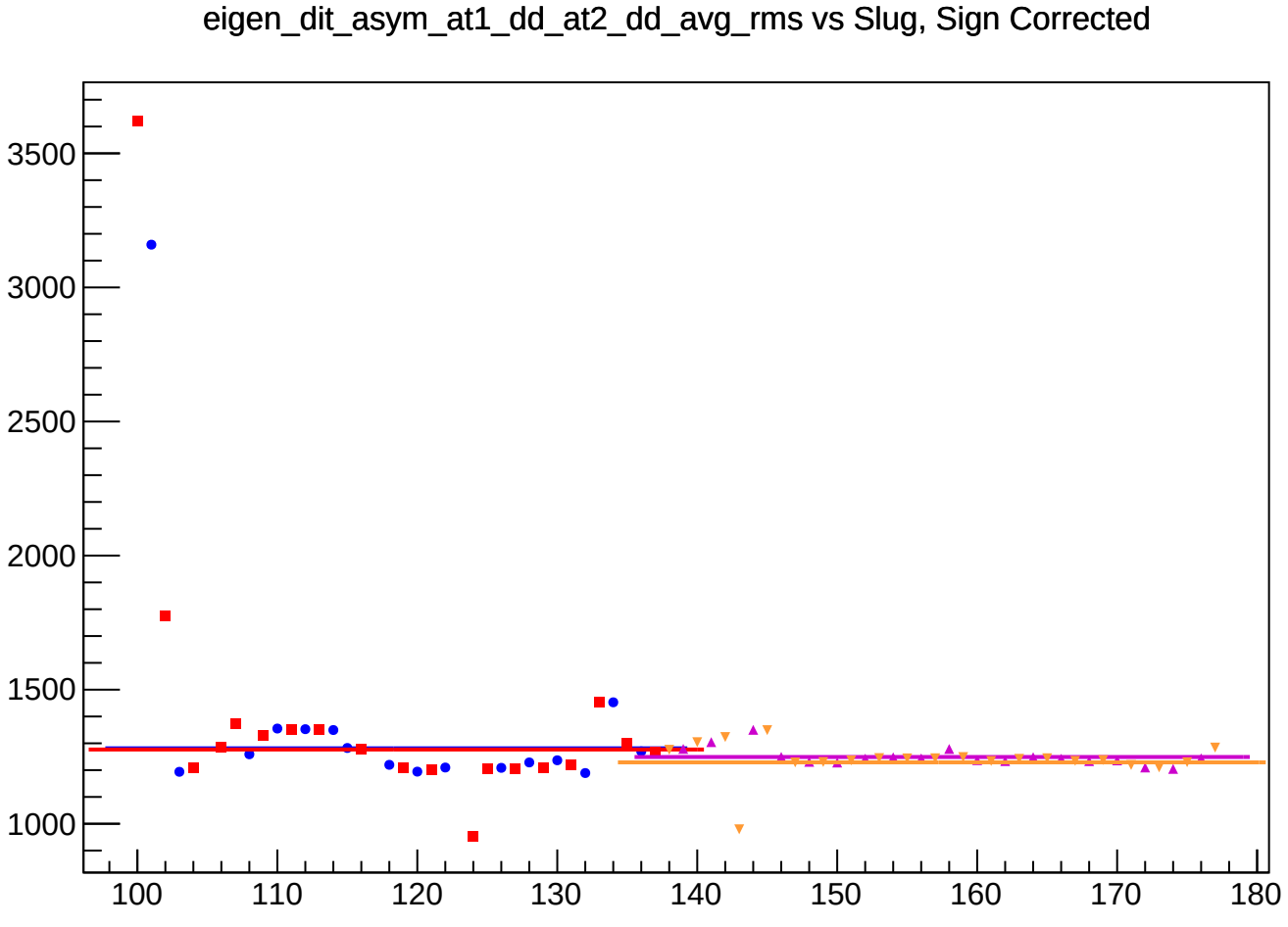
Left: -154.648+/-218.451 χ^2/NDF: 35.8/39

Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

In: 148.655+/-265.380 χ^2/NDF:30.1/34

Out: -317.044+/-254.843 χ^2/NDF:40.6/39

All: -93.624+/-183.813 χ^2/NDF: 72.3/74



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1228.956+/-0.213 χ^2/NDF:136371.2/20

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1248.957+/-0.224 χ^2/NDF:21082.8/18

Left: 1238.459+/-0.154 χ^2/NDF: 161635.2/39

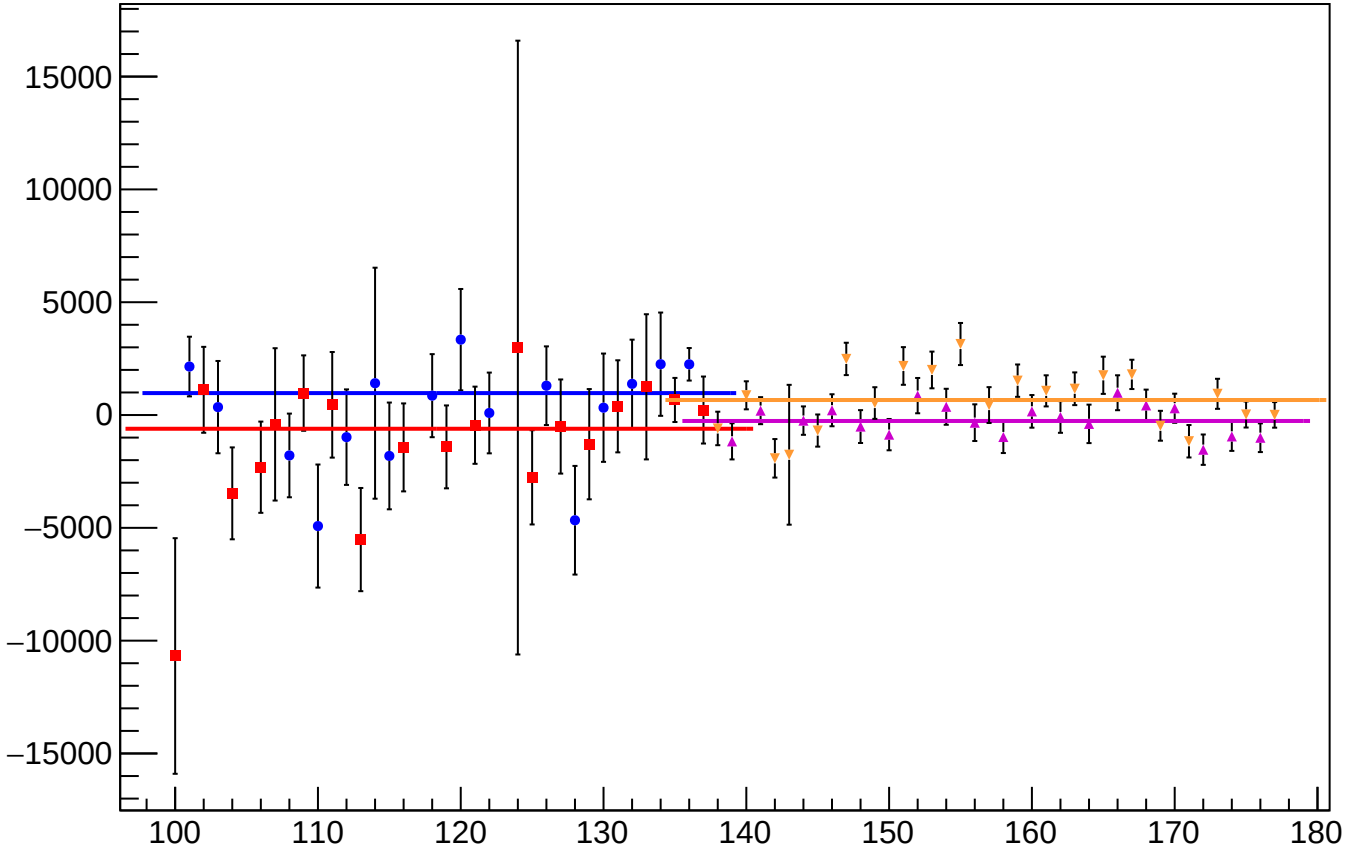
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1258.642+/-0.188 χ^2/NDF:534412.1/34

Out: 1242.641+/-0.180 χ^2/NDF:371306.2/39

All: 1250.317+/-0.130 χ^2/NDF: 909500.8/74

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 665.726+/-158.358 χ^2/NDF:55.2/20

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -263.668+/-162.125 χ^2/NDF:17.7/18

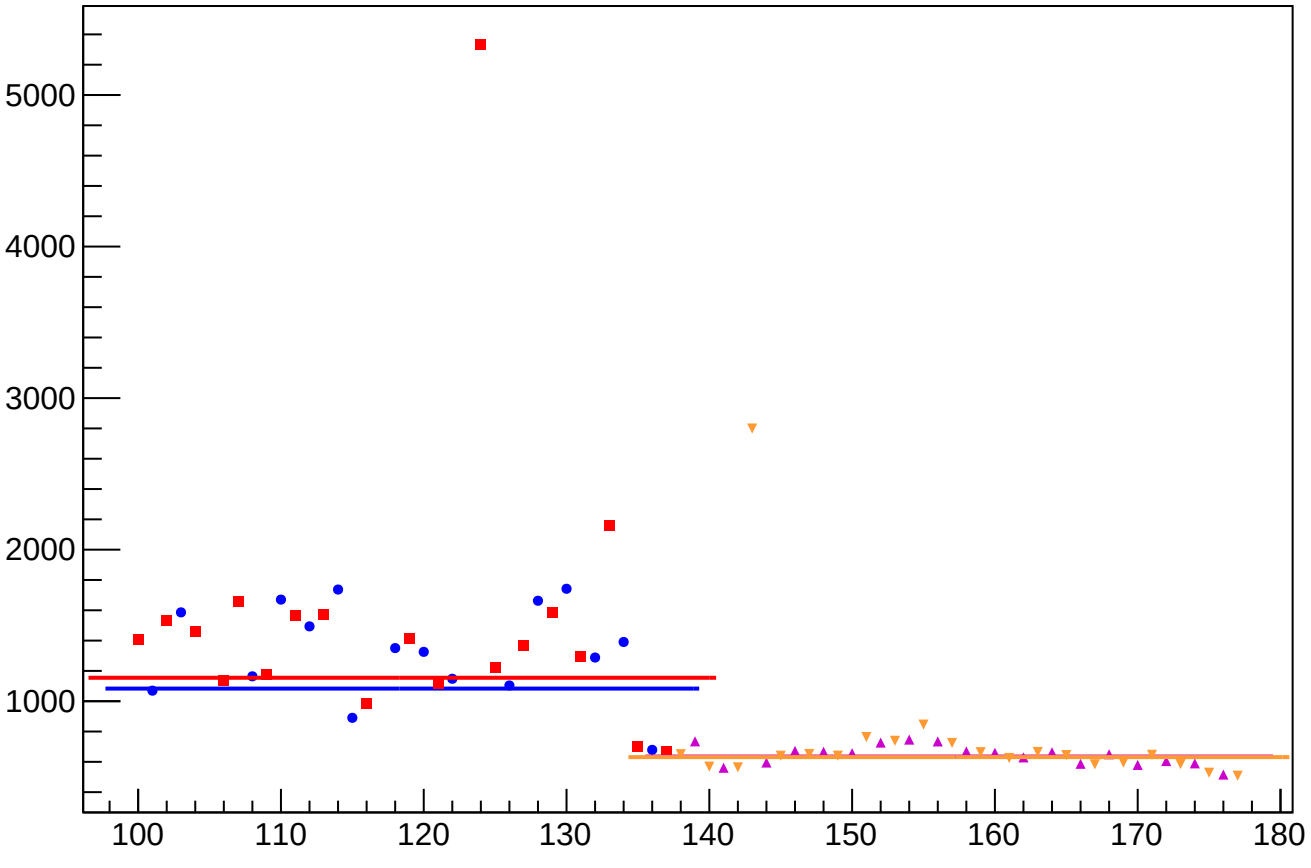
Left: 211.951+/-113.284 χ^2/NDF: 89.8/39

Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: -106.803+/-151.487 χ^2/NDF:45.6/34

Out: 524.058+/-149.295 χ^2/NDF:79.6/39

All: 213.225+/-106.334 χ^2/NDF: 133.9/74



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 631.200+/-0.112 χ^2/NDF:1428118.6/20

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 634.967+/-0.115 χ^2/NDF:294228.9/18

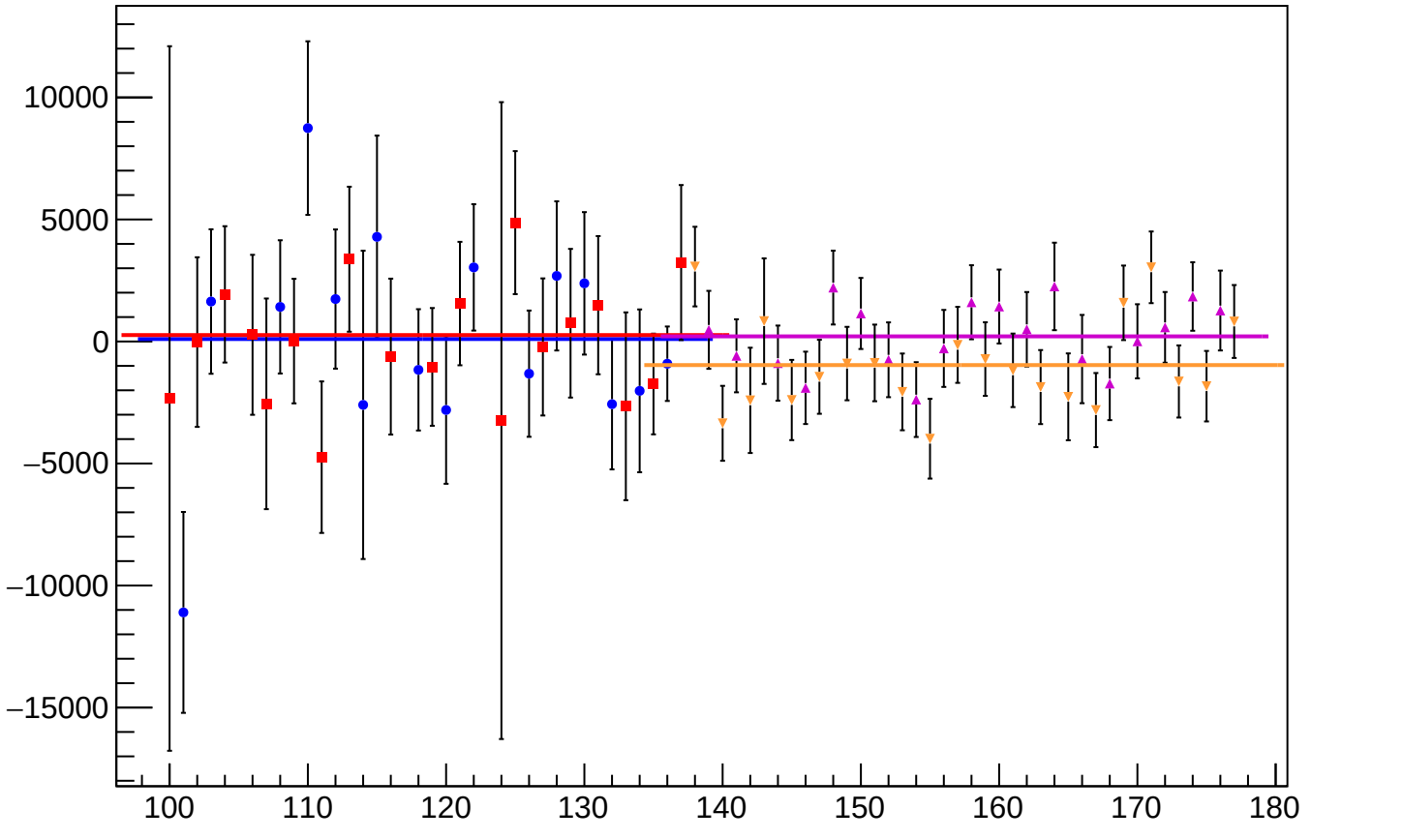
Left: 633.039+/-0.080 χ^2/NDF: 1722900.3/39

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 691.874+/-0.107 χ^2/NDF:3595821.8/34

Out: 689.409+/-0.106 χ^2/NDF:5346803.3/39

All: 690.624+/-0.075 χ^2/NDF: 8942893.9/74



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -966.800+/-345.996 χ^2/NDF:29.2/20

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: 210.020+/-352.862 χ^2/NDF:15.0/18

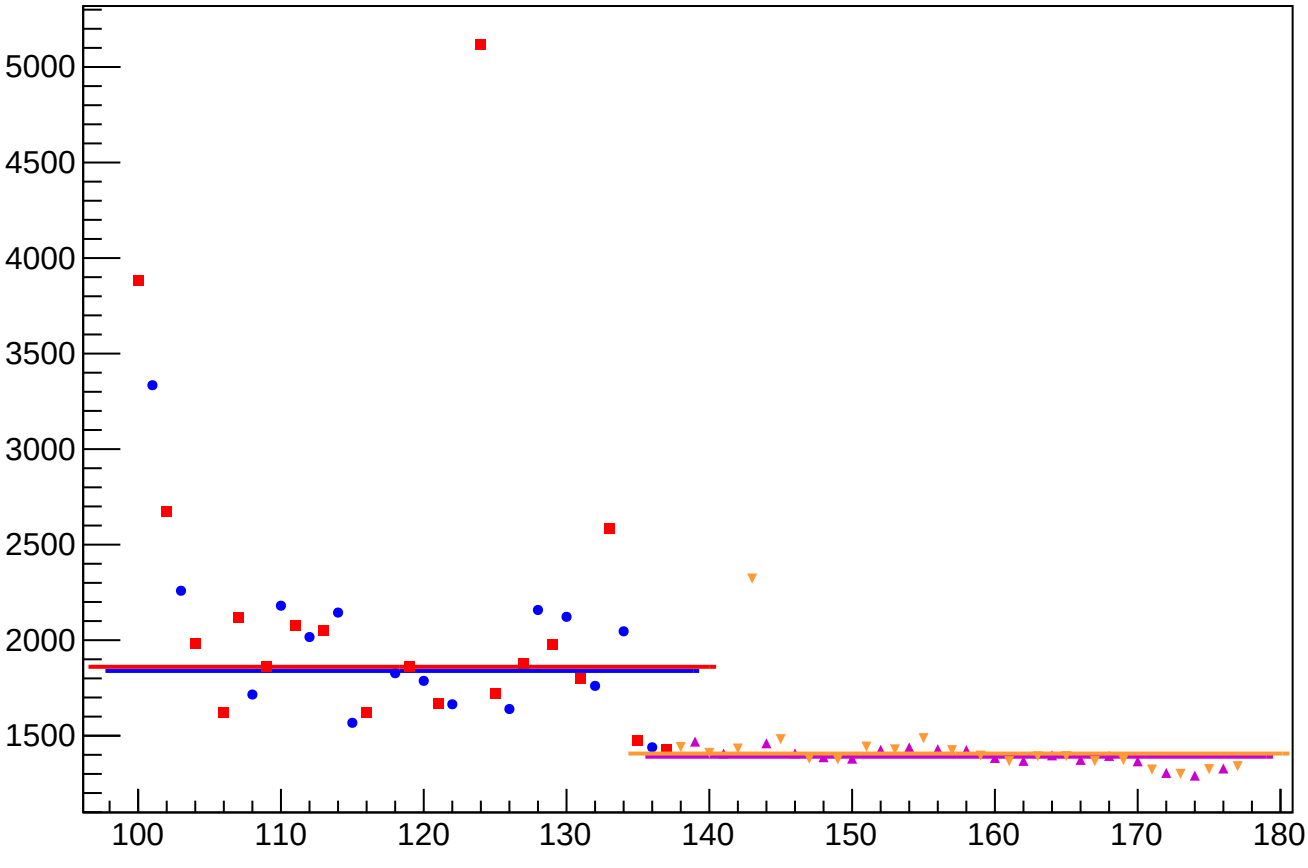
Left: -389.951+/-247.048 χ^2/NDF: 49.8/39

Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 187.768+/-315.000 χ^2/NDF:36.3/34

Out: -725.237+/-310.151 χ^2/NDF:42.0/39

All: -275.816+/-221.004 χ^2/NDF: 82.5/74



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1406.670+/-0.245 χ^2/NDF:298275.4/20

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1390.175+/-0.250 χ^2/NDF:35958.2/18

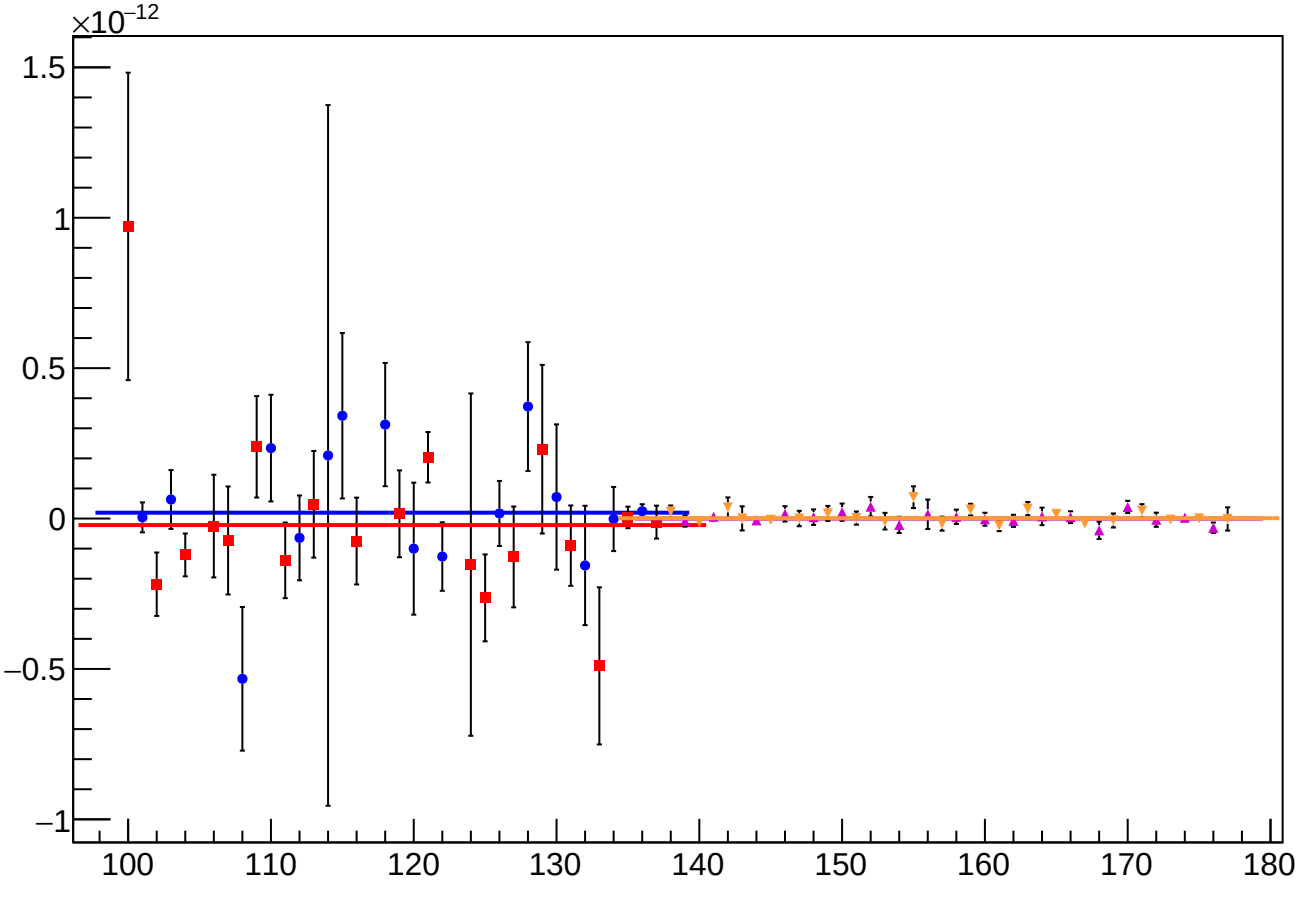
Left: 1398.585+/-0.175 χ^2/NDF: 336461.9/39

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1481.350+/-0.223 χ^2/NDF:1250160.7/34

Out: 1495.885+/-0.219 χ^2/NDF:1497187.5/39

All: 1488.730+/-0.156 χ^2/NDF: 2749510.4/74



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.7/20

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:12.6/18

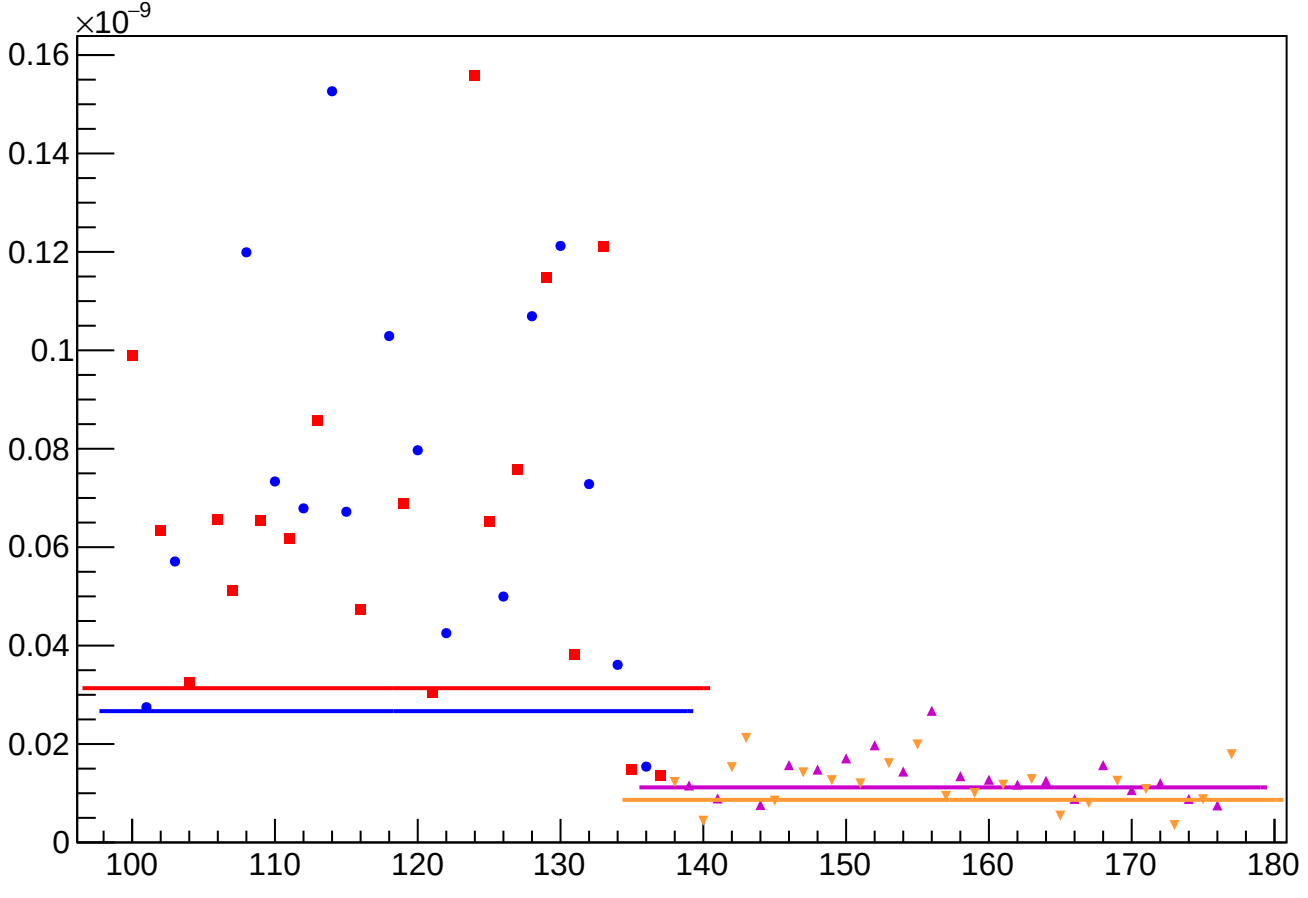
Left: 0.000+/-0.000 χ^2/NDF: 31.4/39

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:30.1/34

Out: 0.000+/-0.000 χ^2/NDF:47.9/39

All: 0.000+/-0.000 χ^2/NDF: 78.0/74



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2114148.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:988234.7/18

Left: 0.000+/-0.000 χ^2/NDF: 3424389.8/39

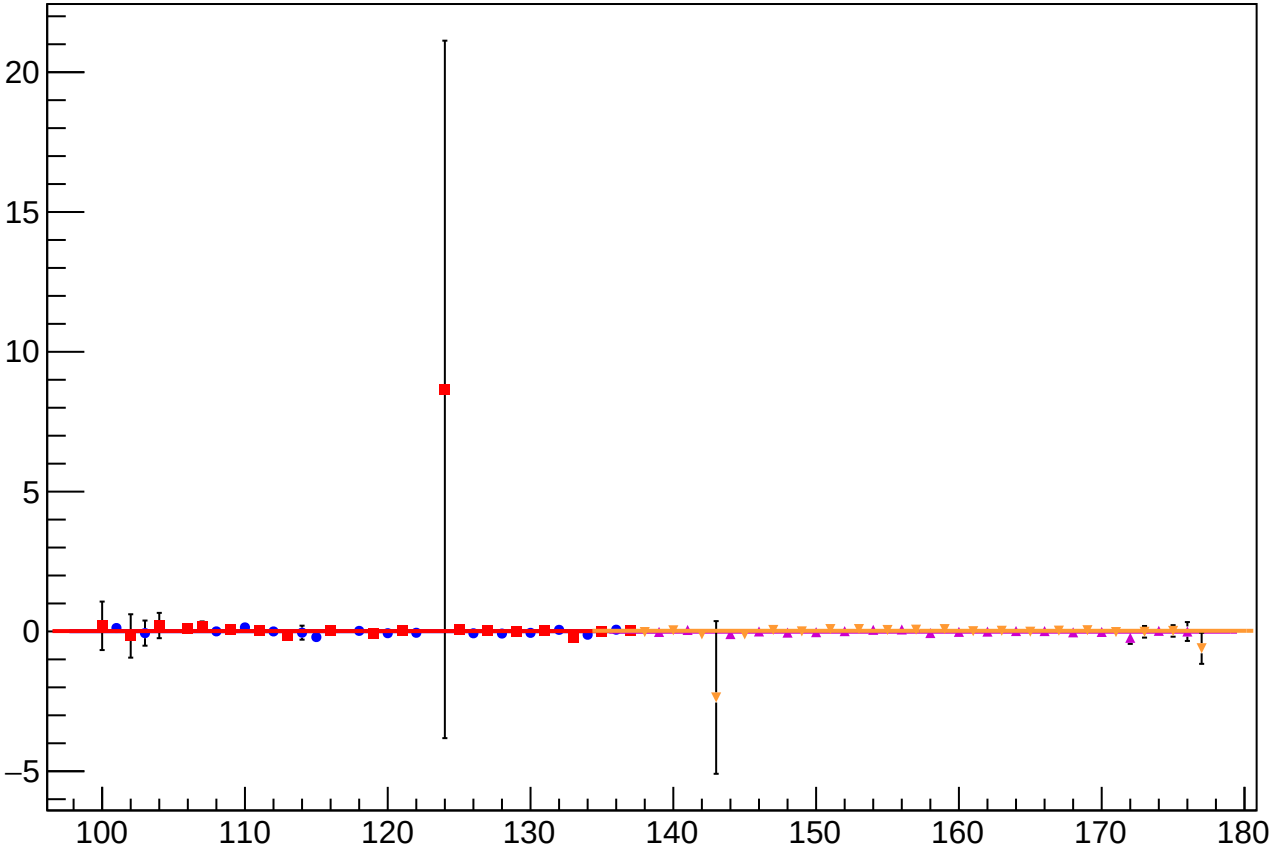
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4840598.6/34

Out: 0.000+/-0.000 χ^2/NDF:6395803.7/39

All: 0.000+/-0.000 χ^2/NDF: 11648827.5/74

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:19.4/20

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:11.9/18

Left: 0.006+/-0.007 χ^2/NDF: 36.6/39

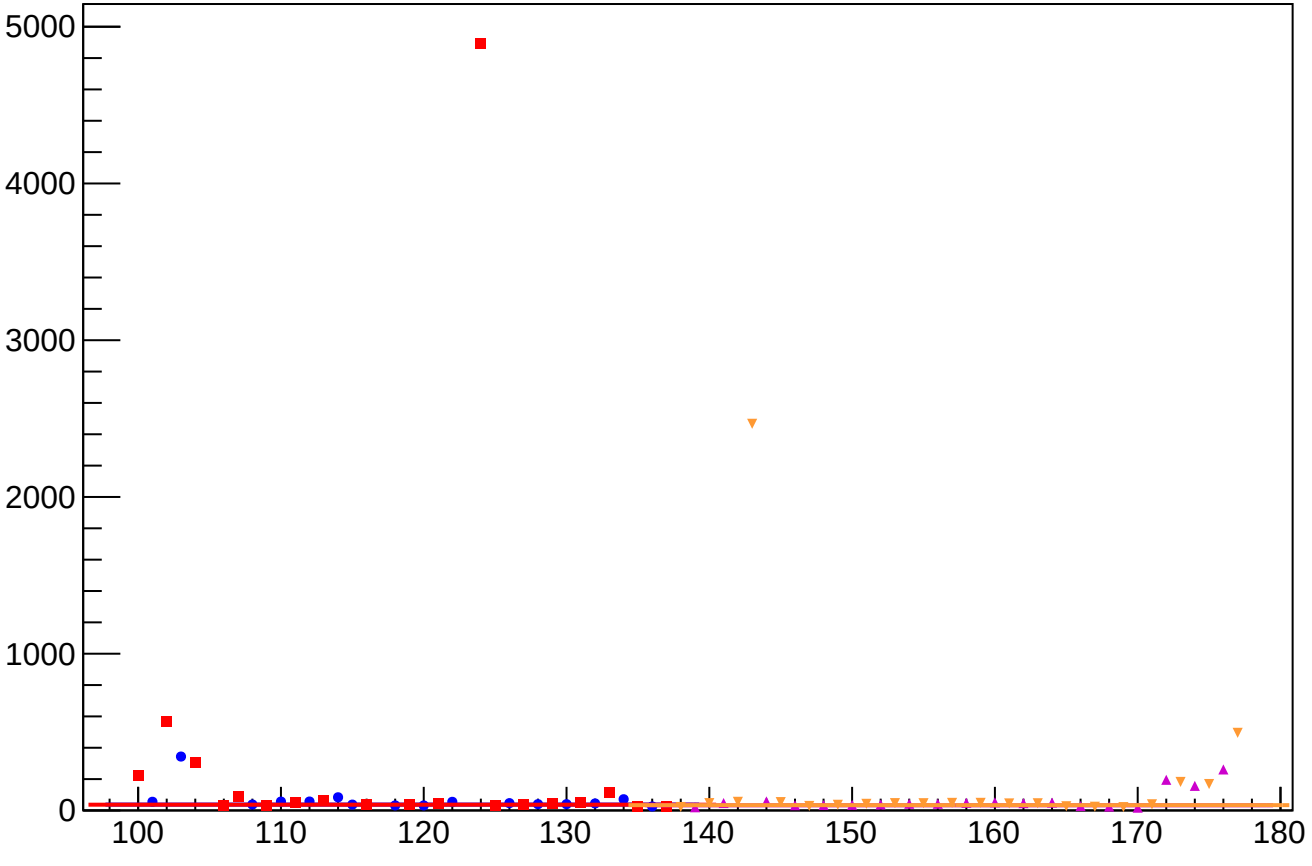
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/34

Out: 0.020+/-0.009 χ^2/NDF:32.2/39

All: 0.007+/-0.006 χ^2/NDF: 68.6/74

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 33.822+/-0.007 χ^2/NDF:7220370.2/20

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.818+/-0.007 χ^2/NDF:5733137.0/18

Left: 33.307+/-0.005 χ^2/NDF: 12963399.9/39

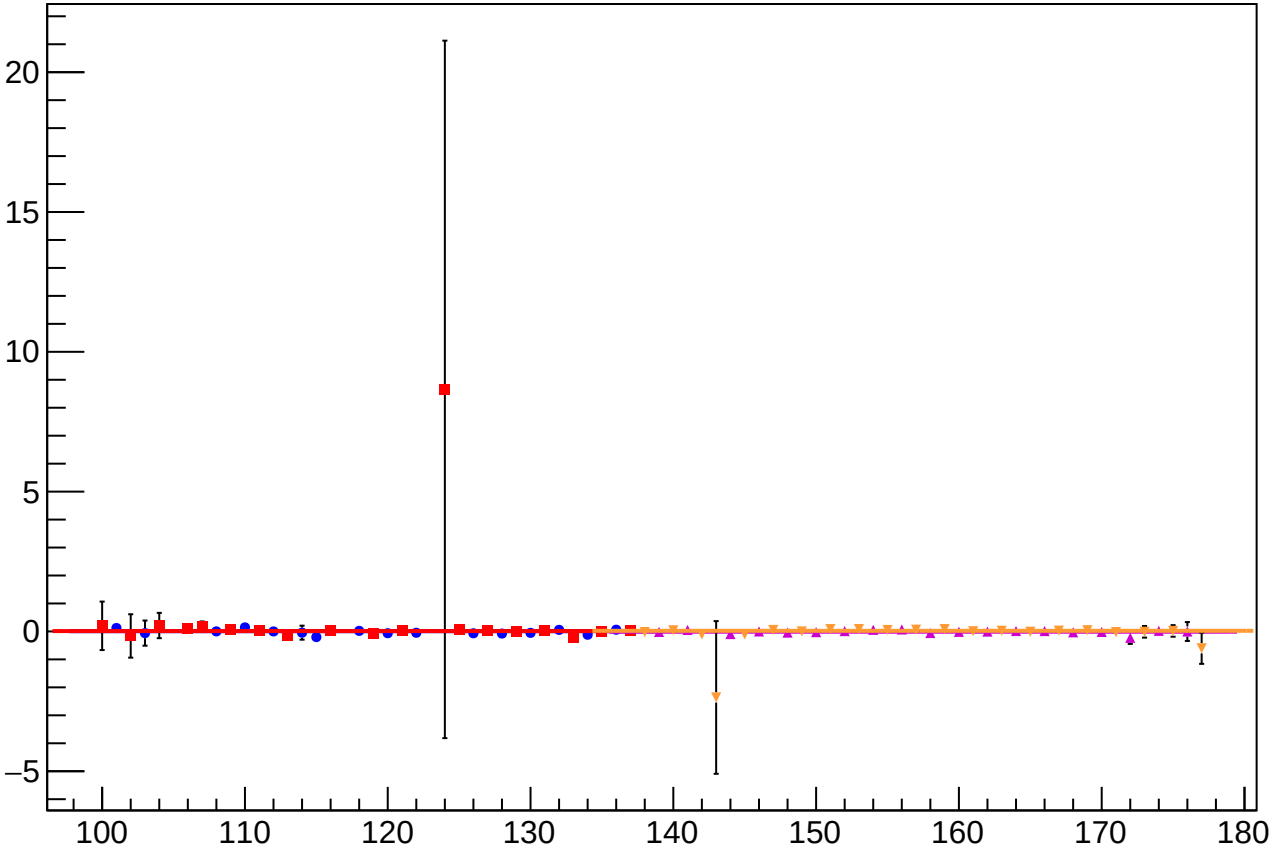
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.114+/-0.006 χ^2/NDF:7838704.0/34

Out: 34.630+/-0.006 χ^2/NDF:10456656.0/39

All: 34.365+/-0.004 χ^2/NDF: 18298972.6/74

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:19.4/20

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:11.9/18

Left: 0.006+/-0.007 χ^2/NDF: 36.6/39

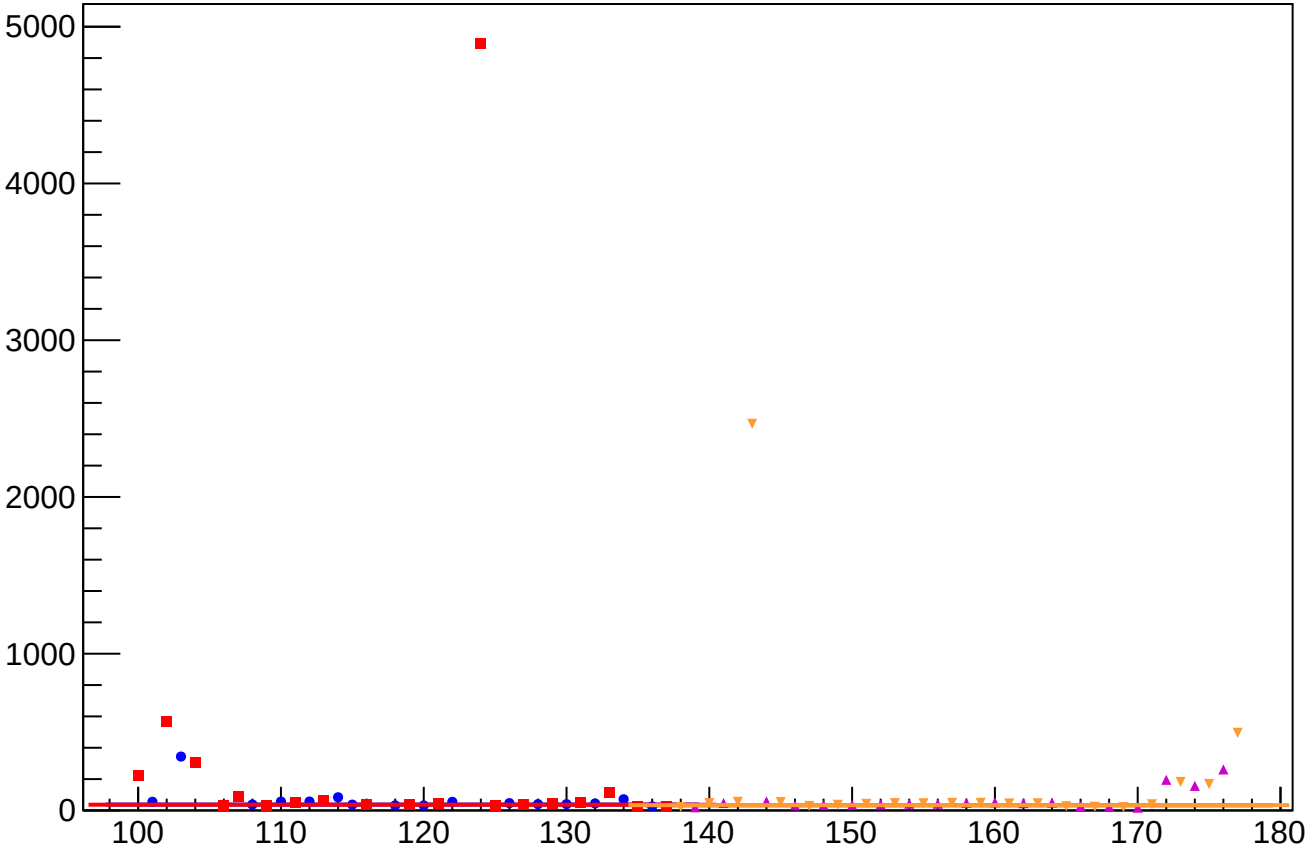
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/34

Out: 0.020+/-0.009 χ^2/NDF:32.2/39

All: 0.007+/-0.006 χ^2/NDF: 68.6/74

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 33.822+/-0.007 χ^2/NDF:7220370.2/20

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.818+/-0.007 χ^2/NDF:5733137.0/18

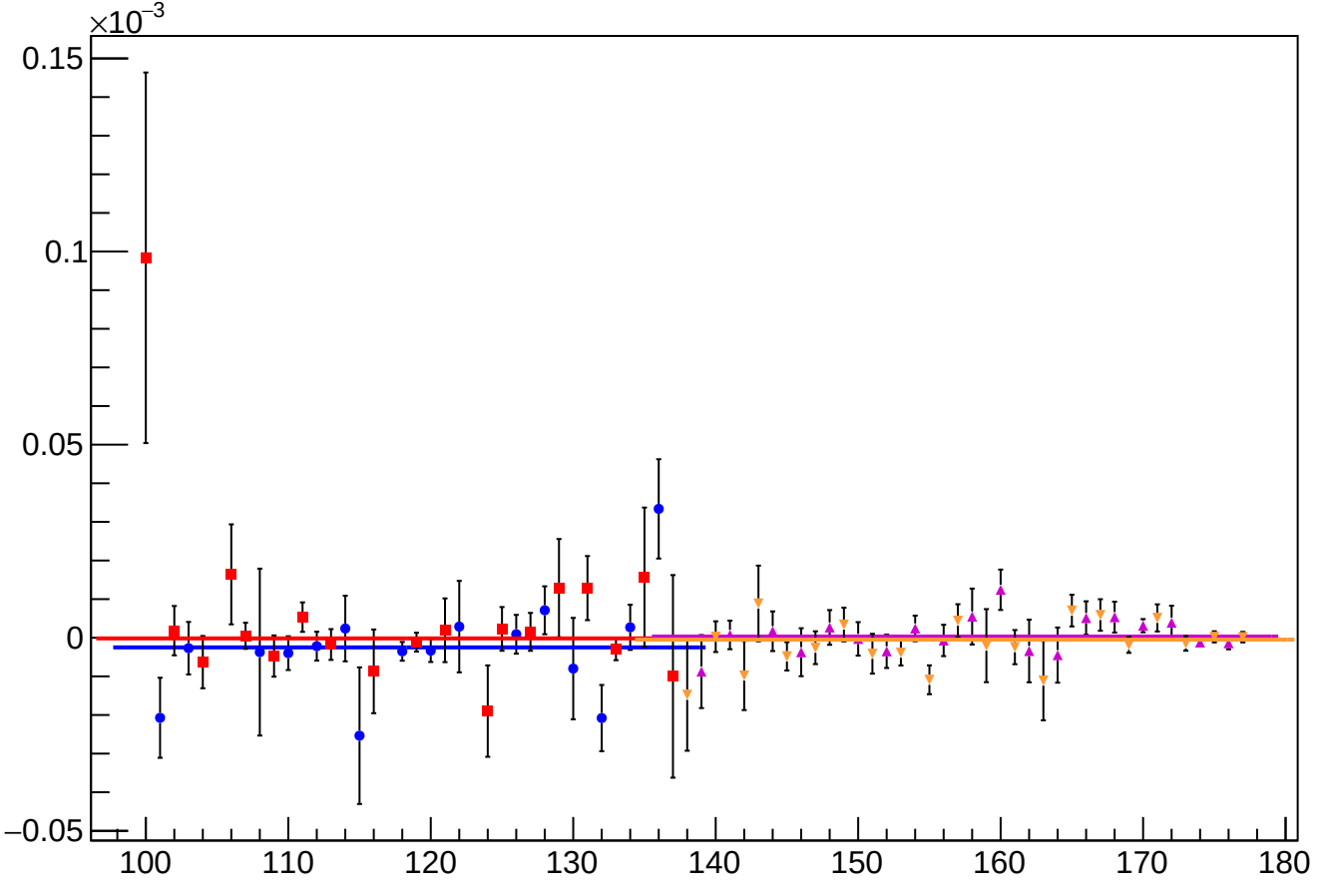
Left: 33.307+/-0.005 χ^2/NDF: 12963399.9/39

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.114+/-0.006 χ^2/NDF:7838704.0/34

Out: 34.630+/-0.006 χ^2/NDF:10456656.0/39

All: 34.365+/-0.004 χ^2/NDF: 18298972.6/74



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.8/20

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:18.9/18

Left: -0.000+/-0.000 χ^2/NDF: 46.5/39

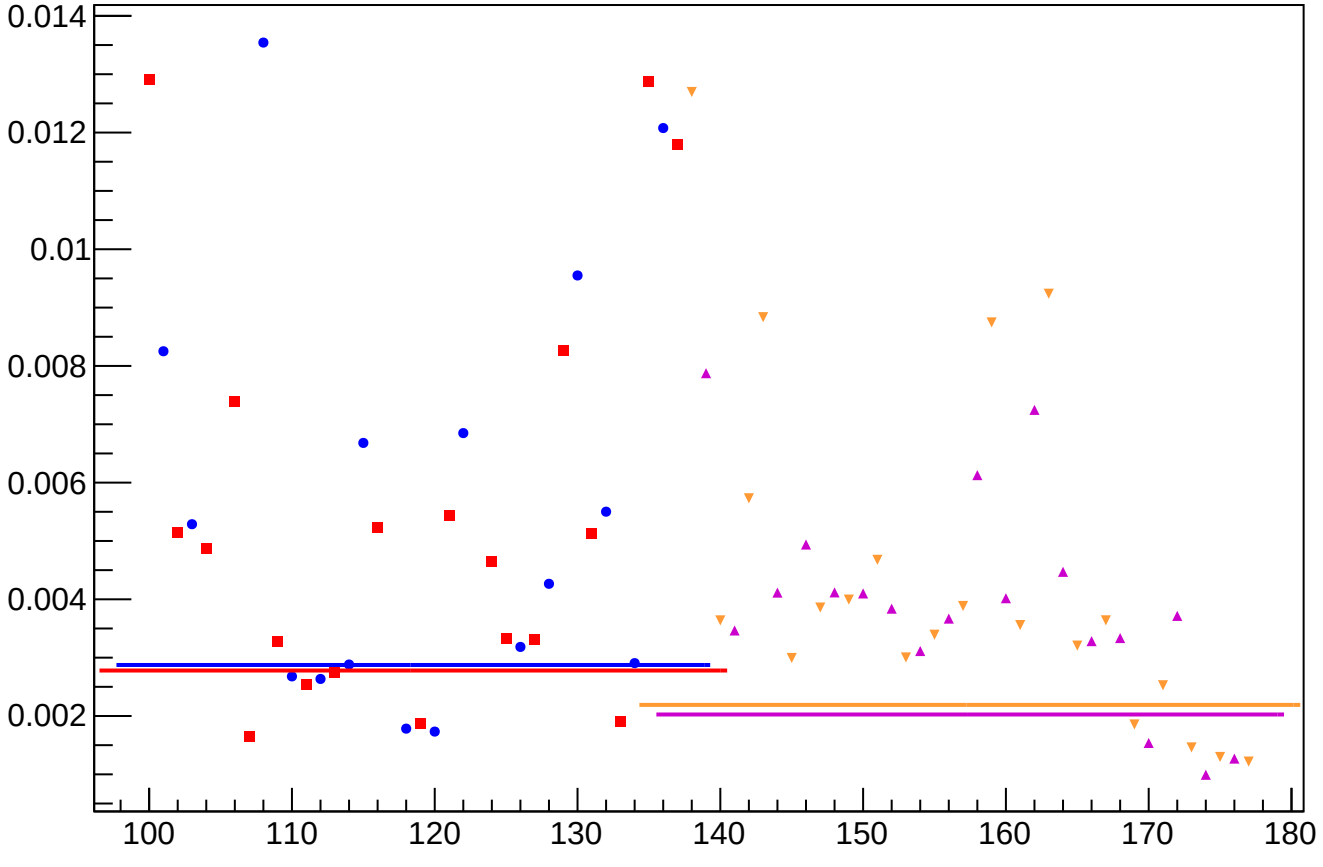
Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:44.4/34

Out: -0.000+/-0.000 χ^2/NDF:45.8/39

All: -0.000+/-0.000 χ^2/NDF: 90.2/74

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:9009808.0/20

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.002+/-0.000 χ^2/NDF:8752658.2/18

Left: 0.002+/-0.000 χ^2/NDF: 17825248.3/39

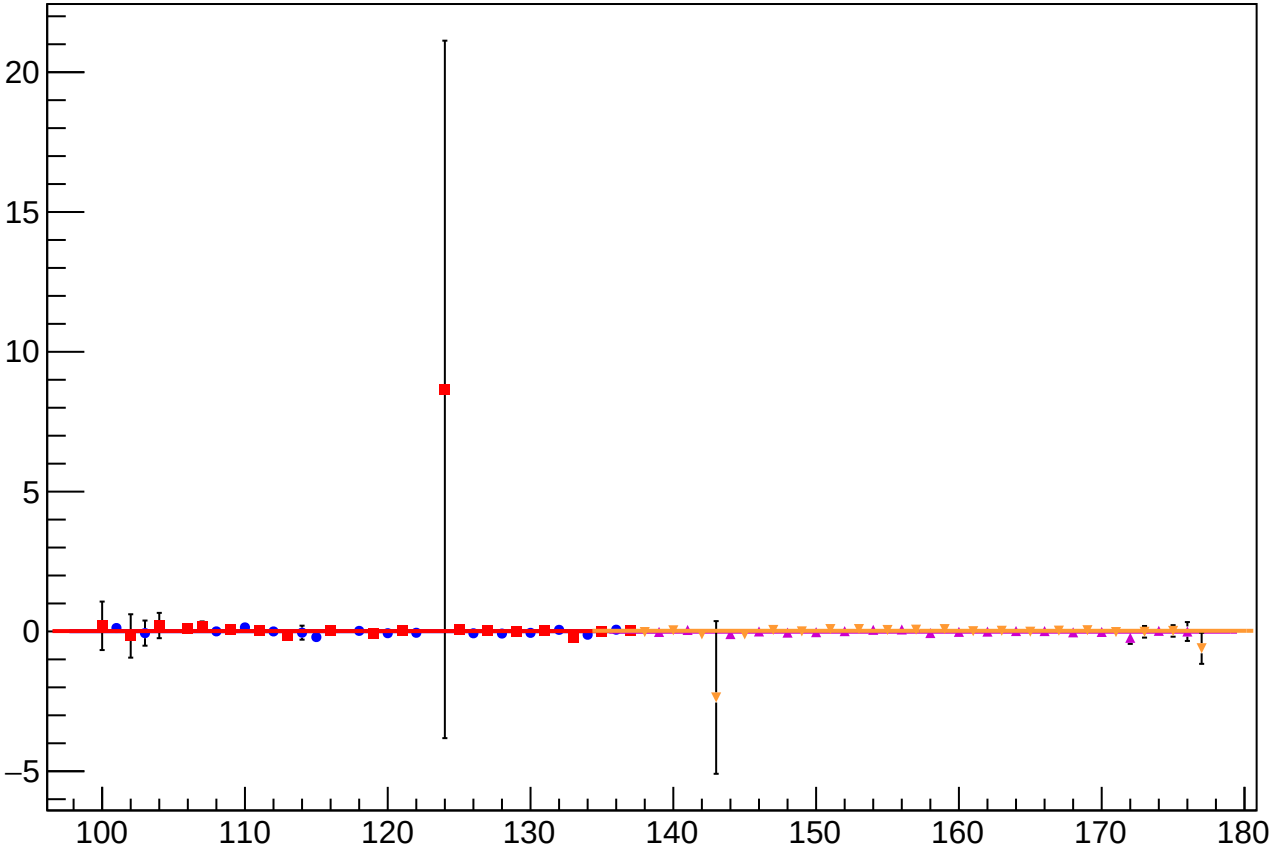
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.002+/-0.000 χ^2/NDF:13579220.0/34

Out: 0.002+/-0.000 χ^2/NDF:12705423.3/39

All: 0.002+/-0.000 χ^2/NDF: 26336771.2/74

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:19.4/20

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:11.9/18

Left: 0.006+/-0.007 χ^2/NDF: 36.6/39

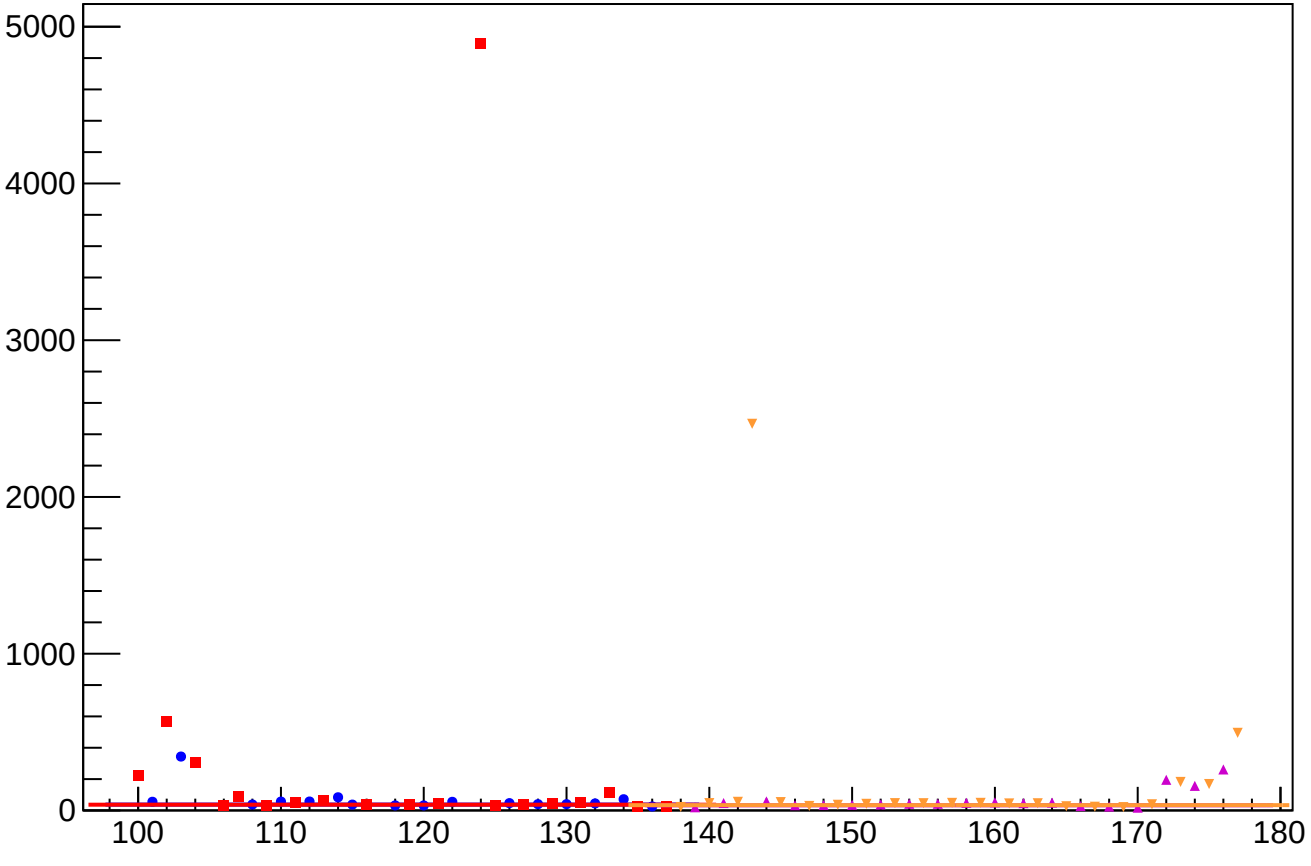
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/34

Out: 0.020+/-0.009 χ^2/NDF:32.2/39

All: 0.007+/-0.006 χ^2/NDF: 68.6/74

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.821+/-0.007 χ^2/NDF:7220458.7/20

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.820+/-0.007 χ^2/NDF:5731937.1/18

Left: 33.307+/-0.005 χ^2/NDF: 12962225.7/39

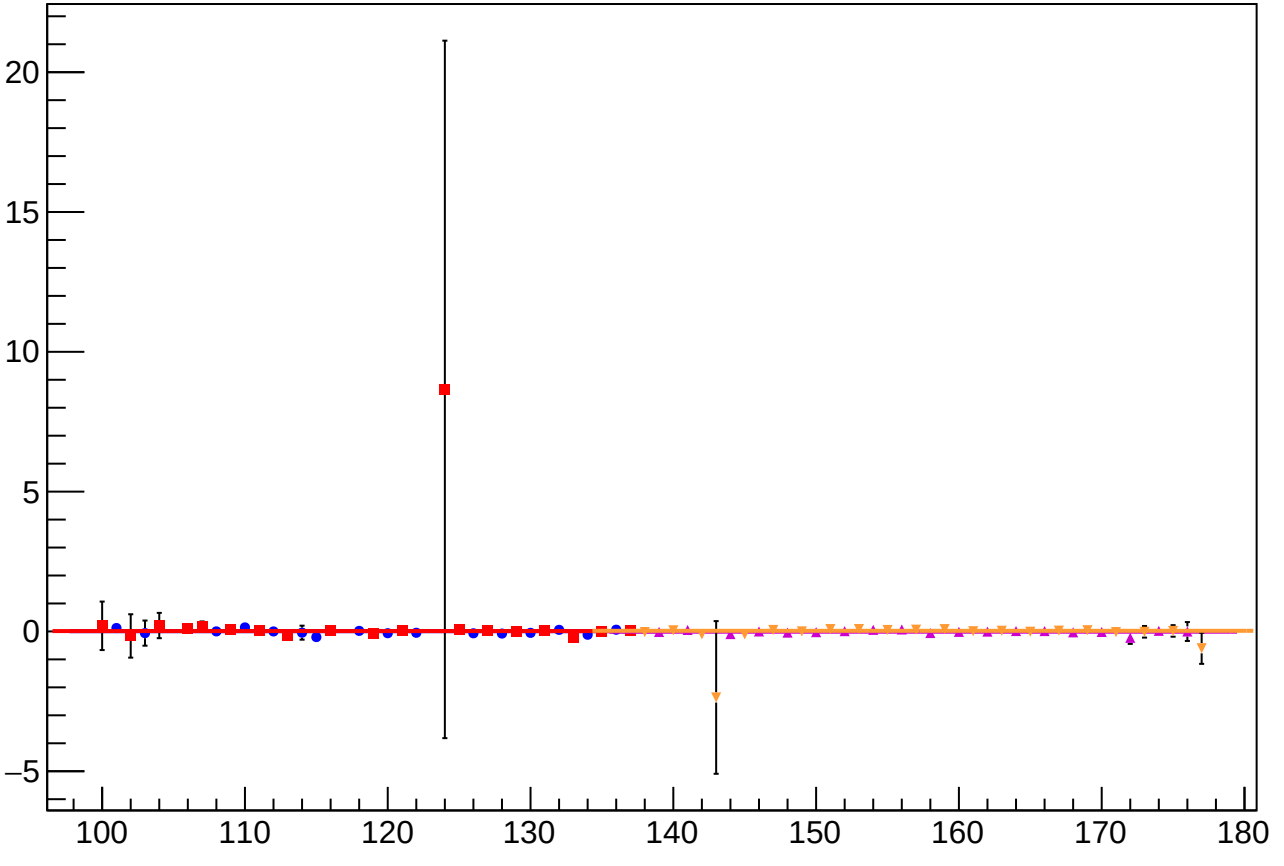
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.116+/-0.006 χ^2/NDF:7837342.0/34

Out: 34.630+/-0.006 χ^2/NDF:10456525.3/39

All: 34.366+/-0.004 χ^2/NDF: 18297450.7/74

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:19.4/20

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:11.9/18

Left: 0.006+/-0.007 χ^2/NDF: 36.6/39

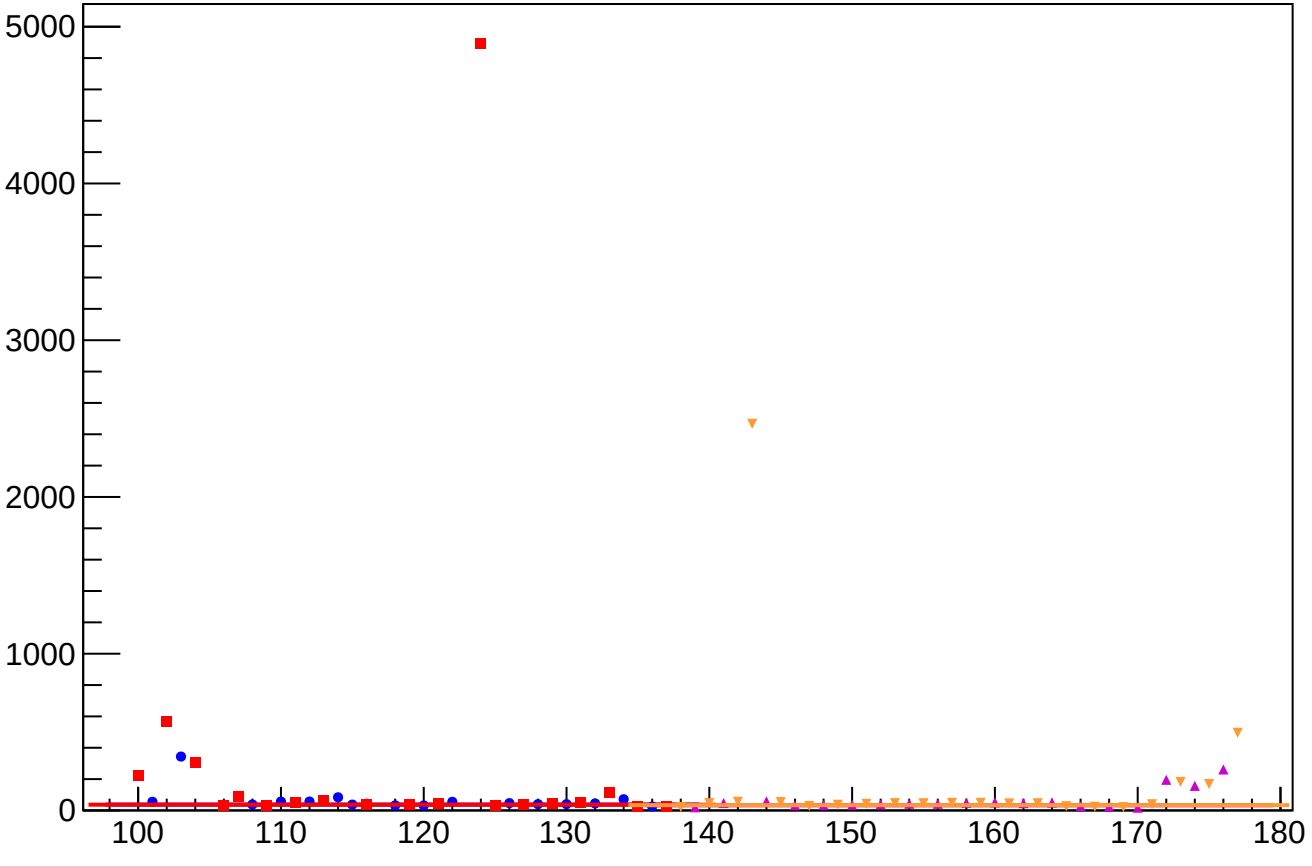
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/34

Out: 0.020+/-0.009 χ^2/NDF:32.2/39

All: 0.007+/-0.006 χ^2/NDF: 68.6/74

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.821+/-0.007 χ^2/NDF:7220458.7/20

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.820+/-0.007 χ^2/NDF:5731937.1/18

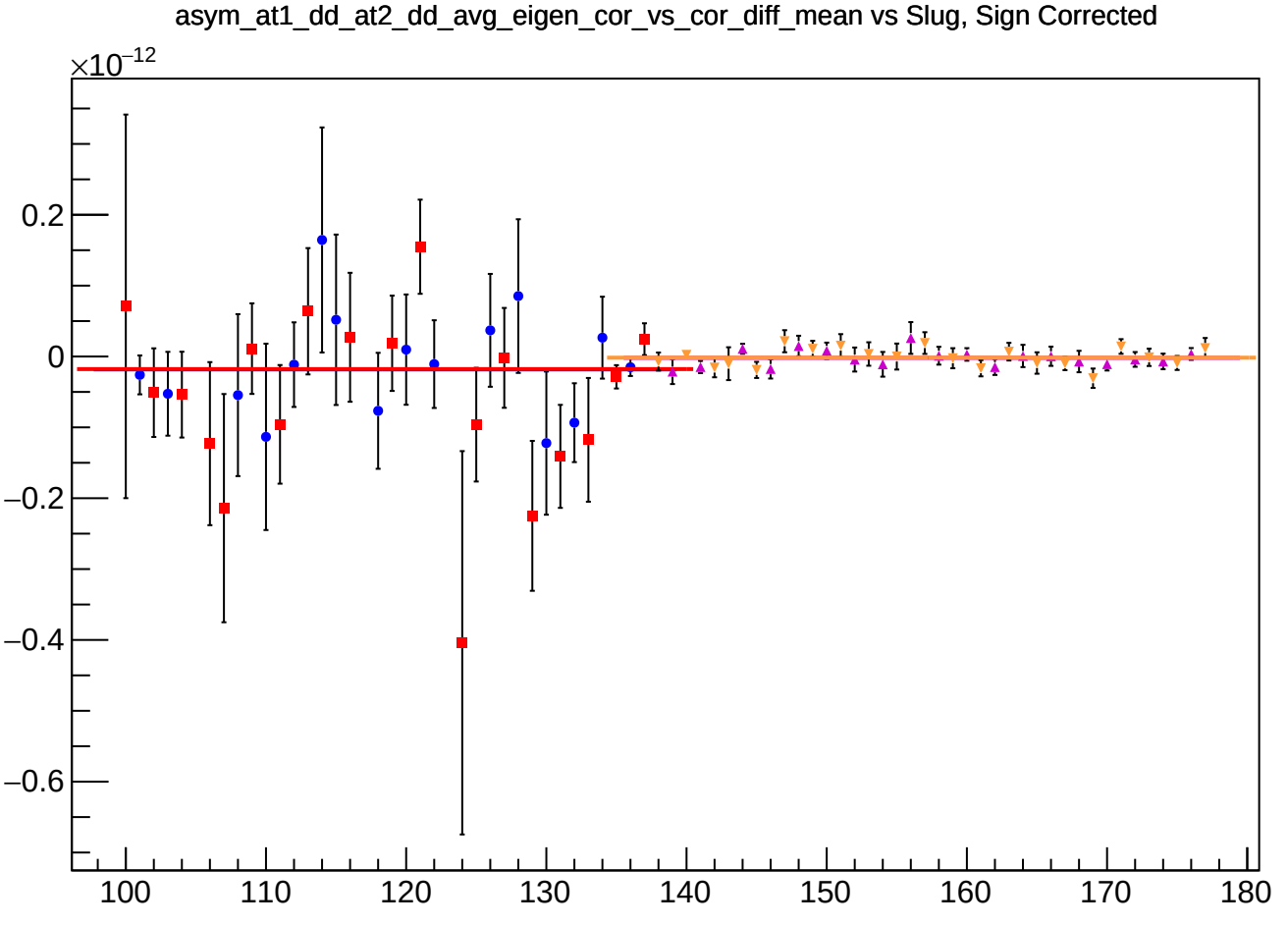
Left: 33.307+/-0.005 χ^2/NDF: 12962225.7/39

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.116+/-0.006 χ^2/NDF:7837342.0/34

Out: 34.630+/-0.006 χ^2/NDF:10456525.3/39

All: 34.366+/-0.004 χ^2/NDF: 18297450.7/74



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/20

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

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

Left: -0.000+/-0.000 χ^2/NDF: 37.4/39

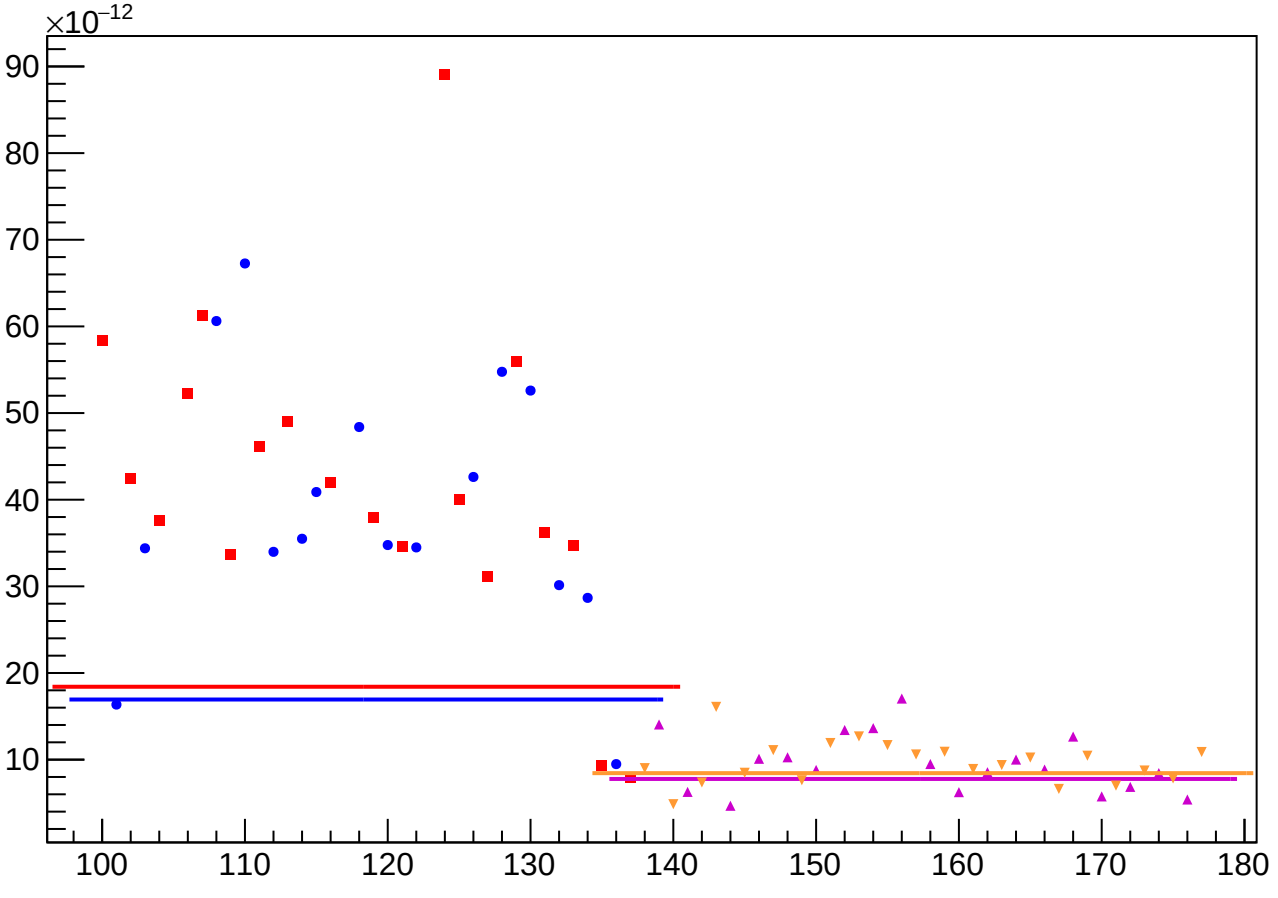
Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:26.3/34

Out: -0.000+/-0.000 χ^2/NDF:51.2/39

All: -0.000+/-0.000 χ^2/NDF: 77.5/74

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1519115.7/20

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2280603.8/18

Left: 0.000+/-0.000 χ^2/NDF: 3864481.3/39

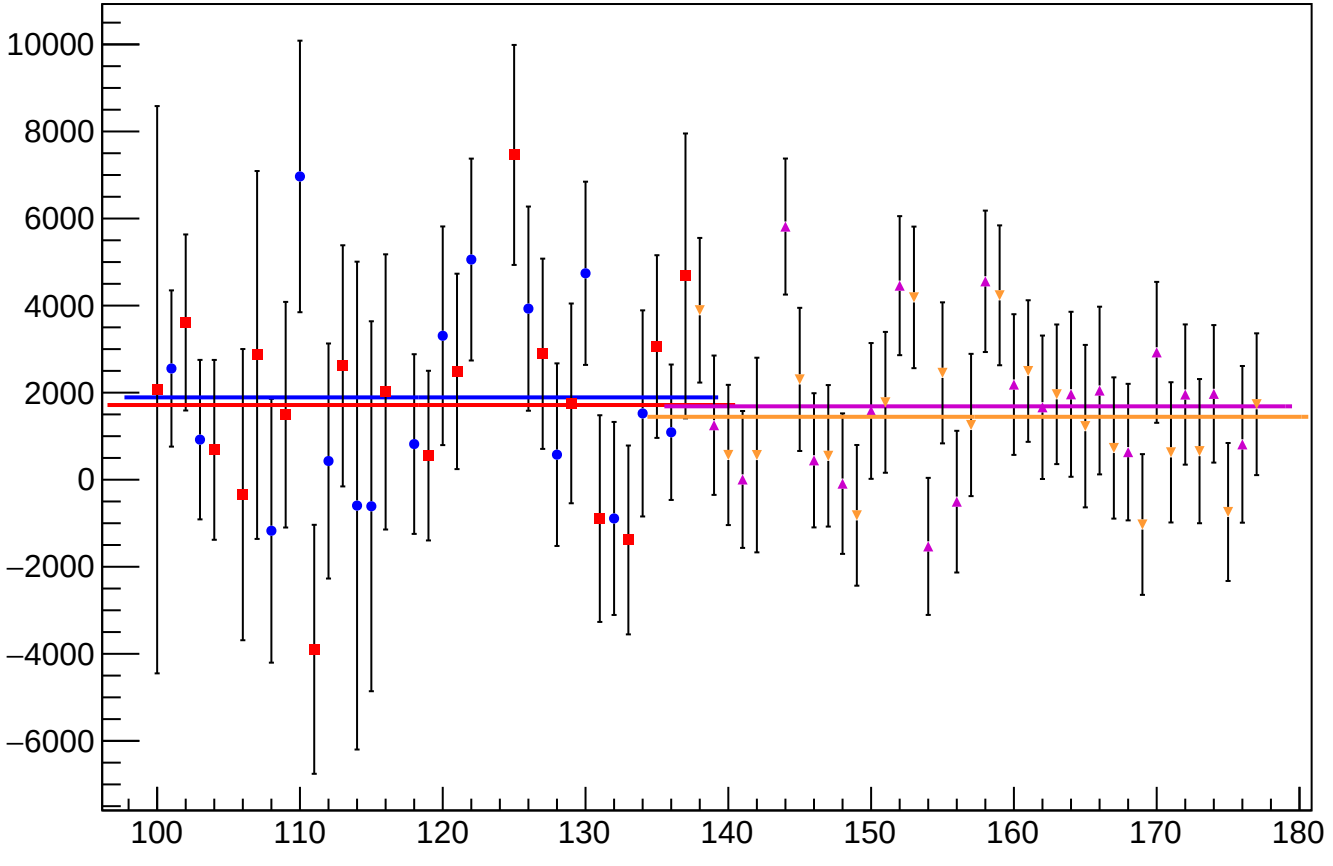
Right: 0.000+/-0.000 χ^2/NDF: 6902390.3/34

In: 0.000+/-0.000 χ^2/NDF:7088159.4/34

Out: 0.000+/-0.000 χ^2/NDF:6731817.2/39

All: 0.000+/-0.000 χ^2/NDF: 13880588.3/74

reg_asym_usl_atl1_avg_mean vs Slug, Sign Corrected



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1445.021+/-369.522 χ^2/NDF:17.0/19

Right Out: 1715.909+/-589.518 χ^2/NDF: 16.0/17

Left In: 1685.666+/-373.868 χ^2/NDF:23.7/18

Left: 1563.937+/-262.814 χ^2/NDF: 40.8/38

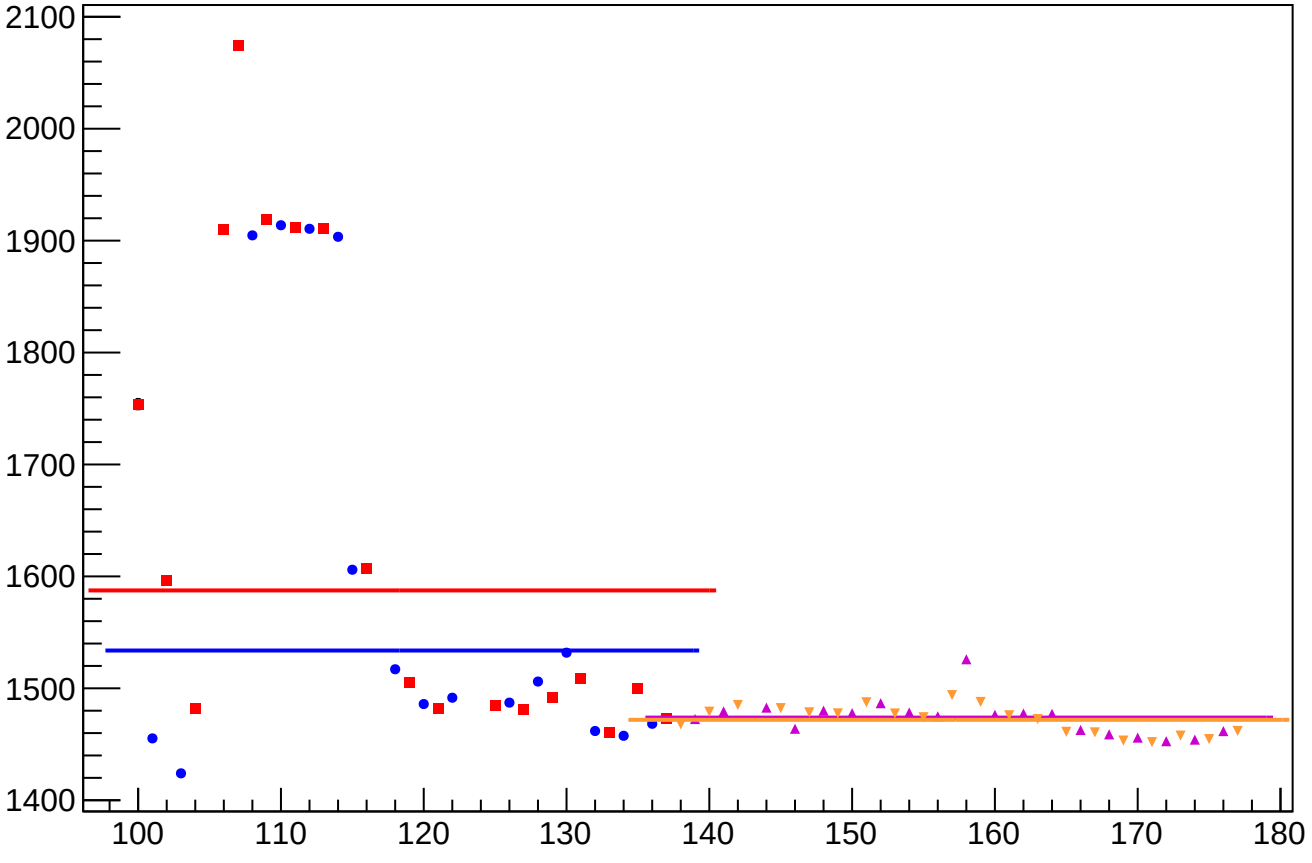
Right: 1806.293+/-410.609 χ^2/NDF: 28.2/33

In: 1747.230+/-312.989 χ^2/NDF:36.0/34

Out: 1521.432+/-313.097 χ^2/NDF:33.1/37

All: 1634.370+/-221.355 χ^2/NDF: 69.3/72

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1471.845+/-0.261 χ^2/NDF:2242.4/19

Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1473.832+/-0.264 χ^2/NDF:3680.8/18

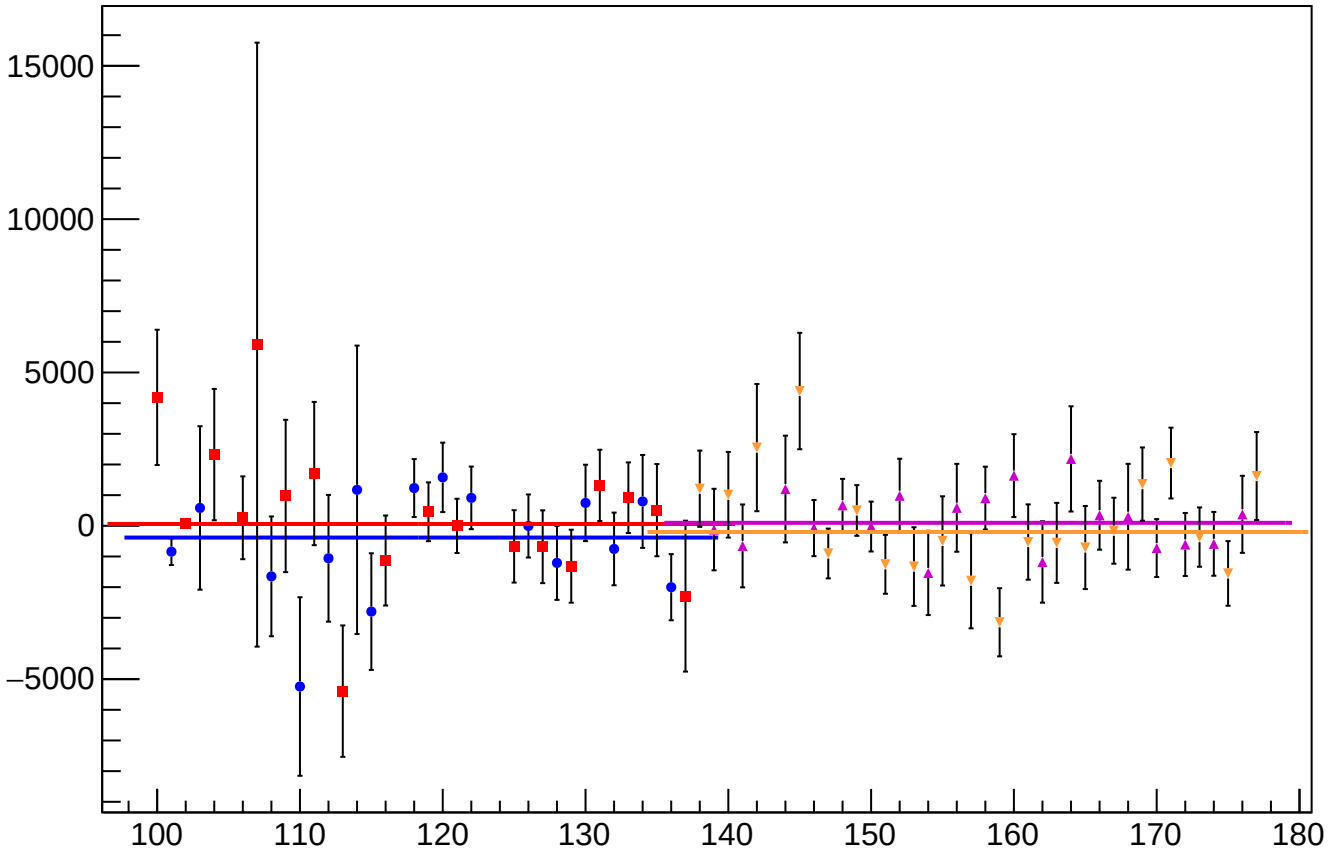
Left: 1472.827+/-0.186 χ^2/NDF: 5951.8/38

Right: 1559.818+/-0.290 χ^2/NDF: 309801.2/33

In: 1491.763+/-0.221 χ^2/NDF:148330.4/34

Out: 1504.457+/-0.221 χ^2/NDF:229458.2/37

All: 1498.108+/-0.157 χ^2/NDF: 379433.0/72



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: -200.347+/-261.683 χ^2/NDF:30.3/19

Right Out: 59.970+/-127.700 χ^2/NDF: 17.8/17

Left In: 97.558+/-263.871 χ^2/NDF:9.4/18

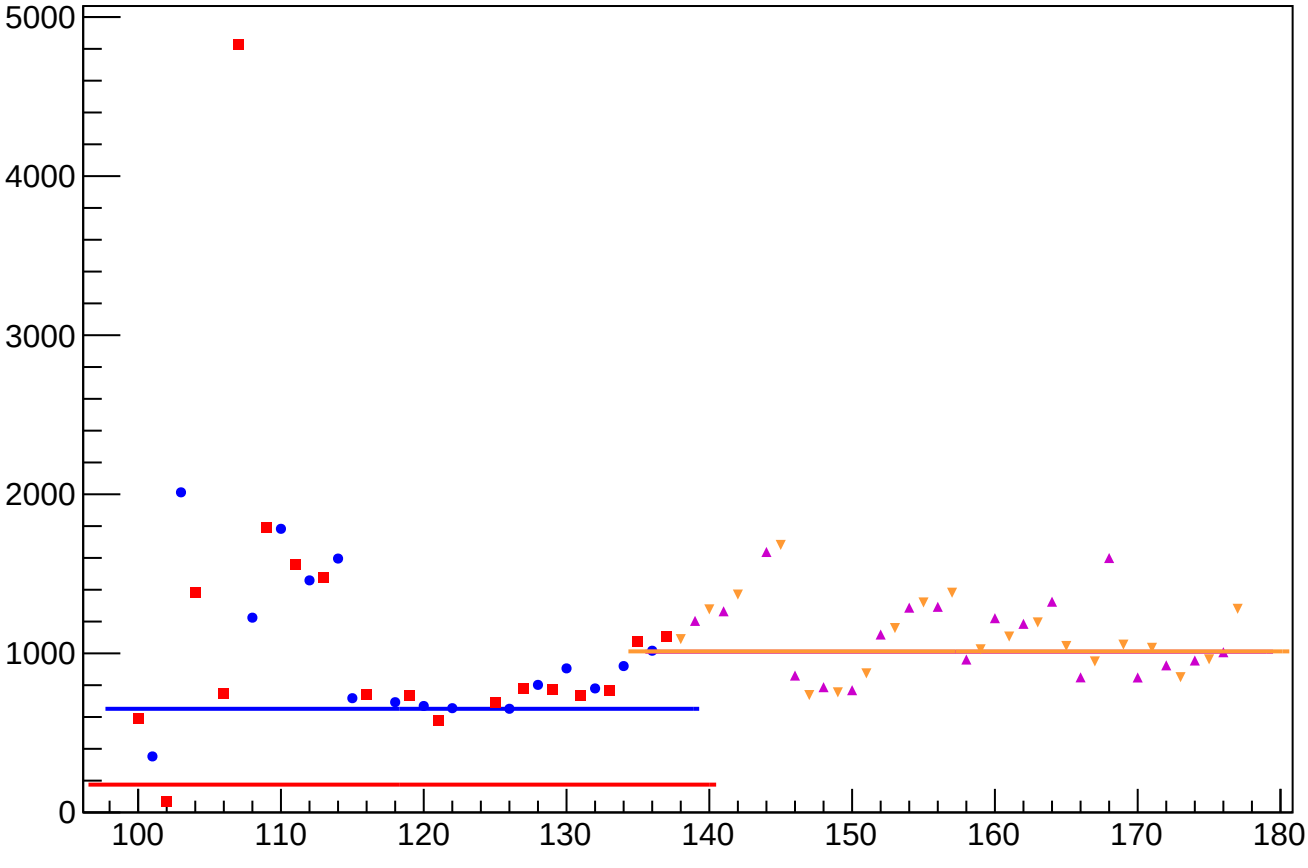
Left: -52.634+/-185.806 χ^2/NDF: 40.3/38

Right: -19.895+/-115.611 χ^2/NDF: 38.1/33

In: -135.145+/-189.464 χ^2/NDF:29.2/34

Out: 9.902+/-114.764 χ^2/NDF:48.9/37

All: -29.032+/-98.161 χ^2/NDF: 78.5/72



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 1012.516+/-0.185 χ^2/NDF:1271916.6/19

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

Left In: 1010.350+/-0.187 χ^2/NDF:1420192.0/18

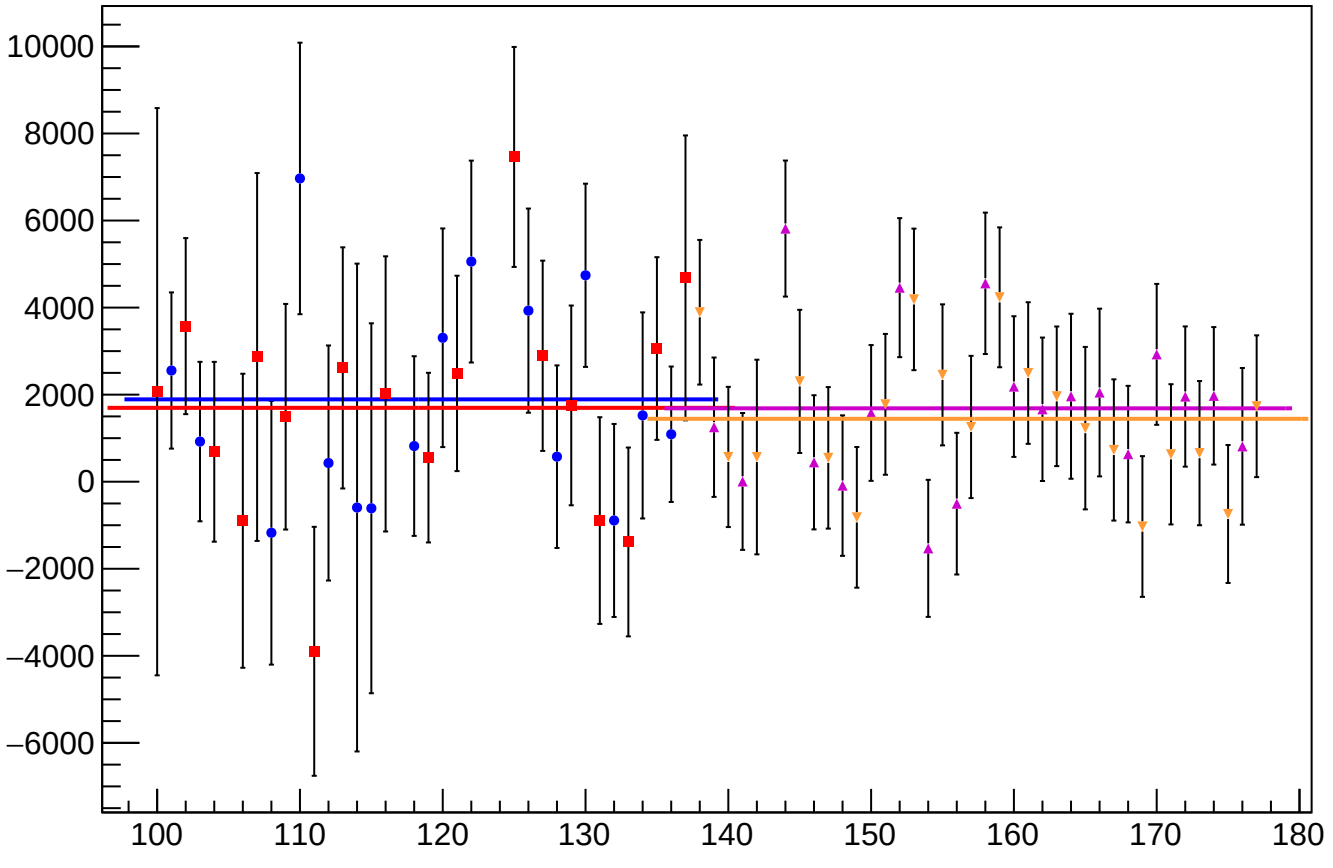
Left: 1011.442+/-0.131 χ^2/NDF: 2692176.6/38

Right: 260.873+/-0.082 χ^2/NDF: 17549506.9/33

In: 836.516+/-0.134 χ^2/NDF:5974550.2/34

Out: 336.004+/-0.081 χ^2/NDF:27583280.5/37

All: 470.353+/-0.069 χ^2/NDF: 43768776.9/72



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1444.998+/-369.522 χ^2/NDF:17.0/19

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1685.742+/-373.868 χ^2/NDF:23.7/18

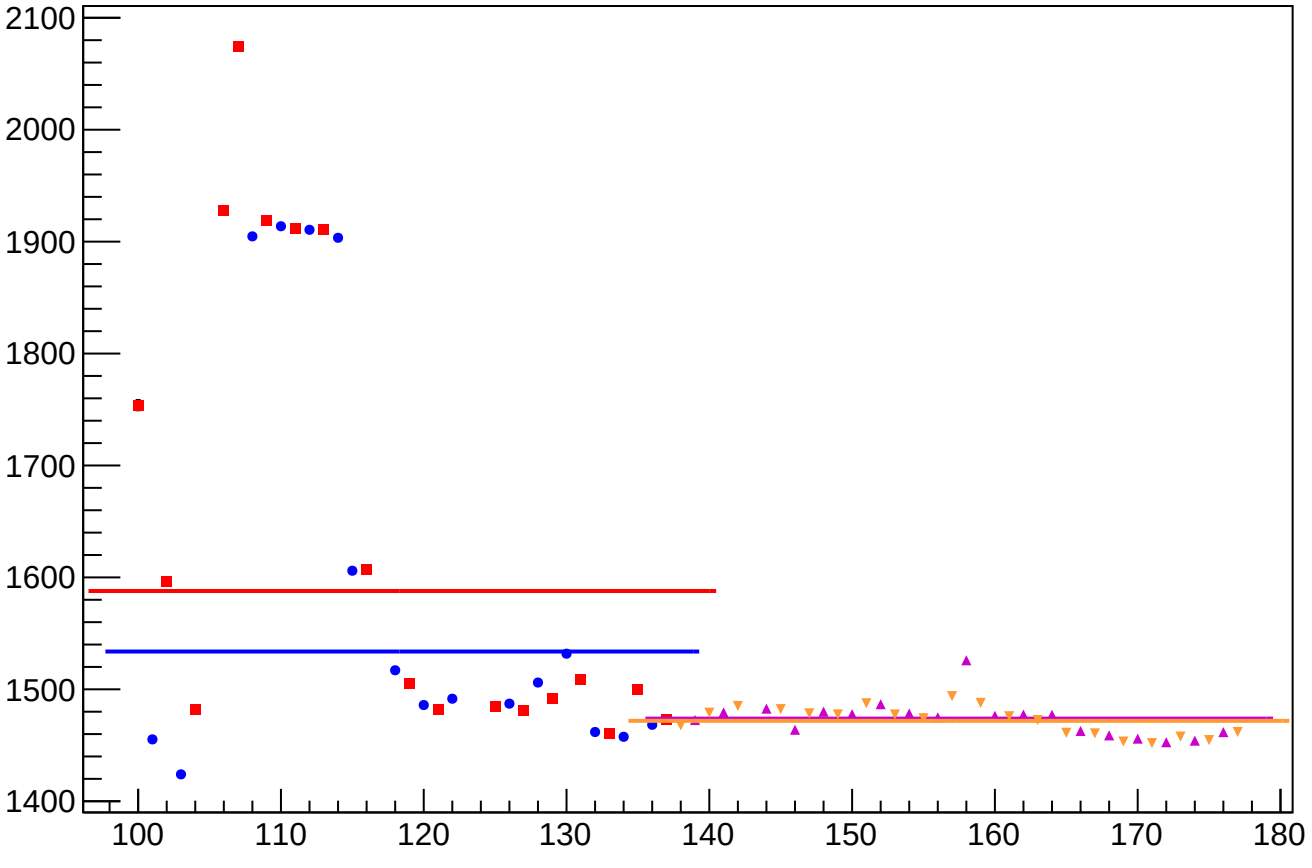
Left: 1563.962+/-262.814 χ^2/NDF: 40.8/38

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1747.314+/-312.989 χ^2/NDF:36.0/34

Out: 1516.046+/-313.125 χ^2/NDF:33.2/37

All: 1631.730+/-221.365 χ^2/NDF: 69.5/72



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1471.845+/-0.261 χ^2/NDF:2242.4/19

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1473.832+/-0.264 χ^2/NDF:3680.8/18

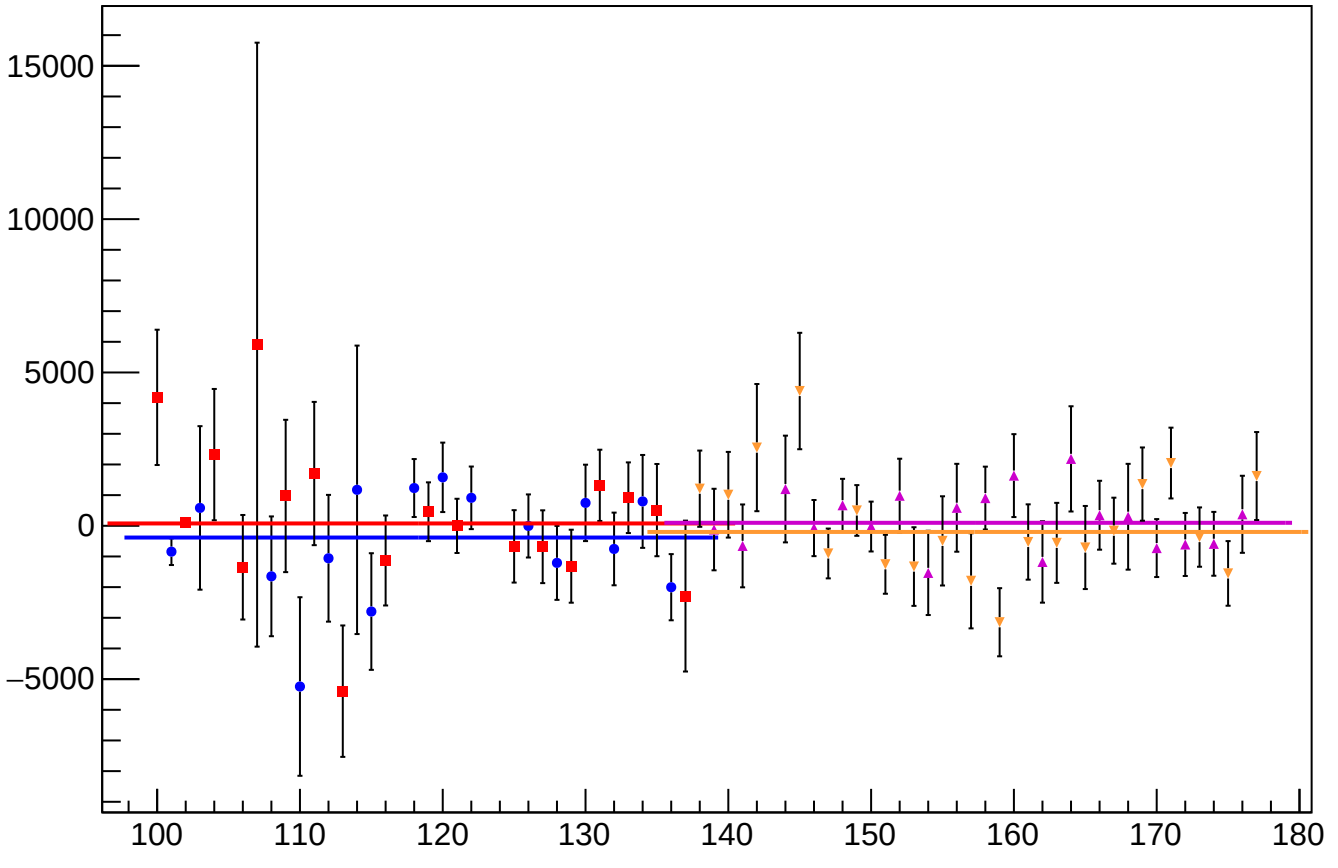
Left: 1472.827+/-0.186 χ^2/NDF: 5951.8/38

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1491.763+/-0.221 χ^2/NDF:148330.4/34

Out: 1504.551+/-0.221 χ^2/NDF:231580.6/37

All: 1498.155+/-0.157 χ^2/NDF: 381579.7/72



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -200.363+/-261.683 χ^2/NDF:30.3/19

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 97.630+/-263.871 χ^2/NDF:9.4/18

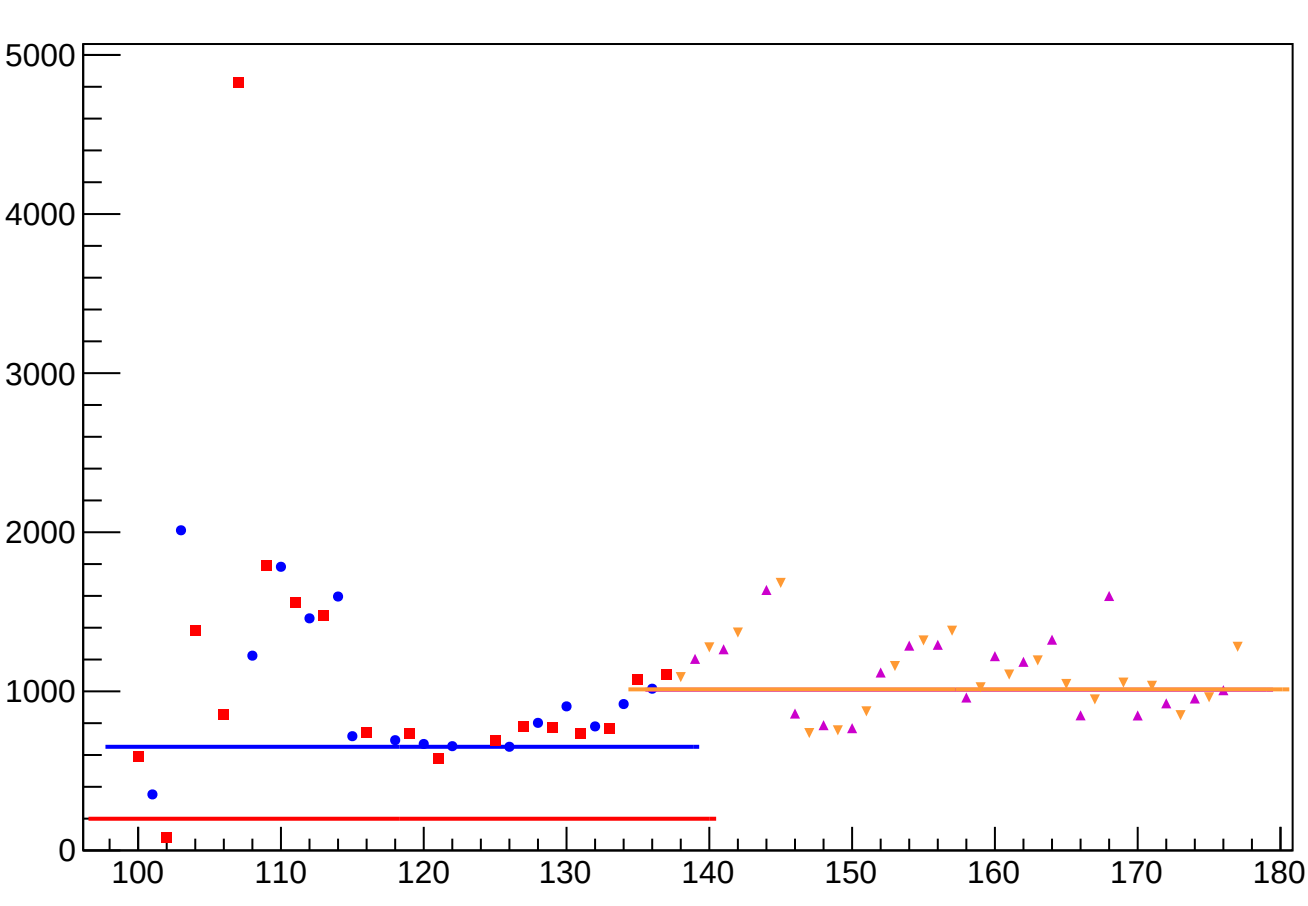
Left: -52.607+/-185.807 χ^2/NDF: 40.3/38

Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -135.096+/-189.464 χ^2/NDF:29.2/34

Out: 16.362+/-122.161 χ^2/NDF:49.7/37

All: -28.114+/-102.670 χ^2/NDF: 79.3/72



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1012.519+/-0.185 χ^2/NDF:1271946.3/19

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1010.350+/-0.187 χ^2/NDF:1420282.6/18

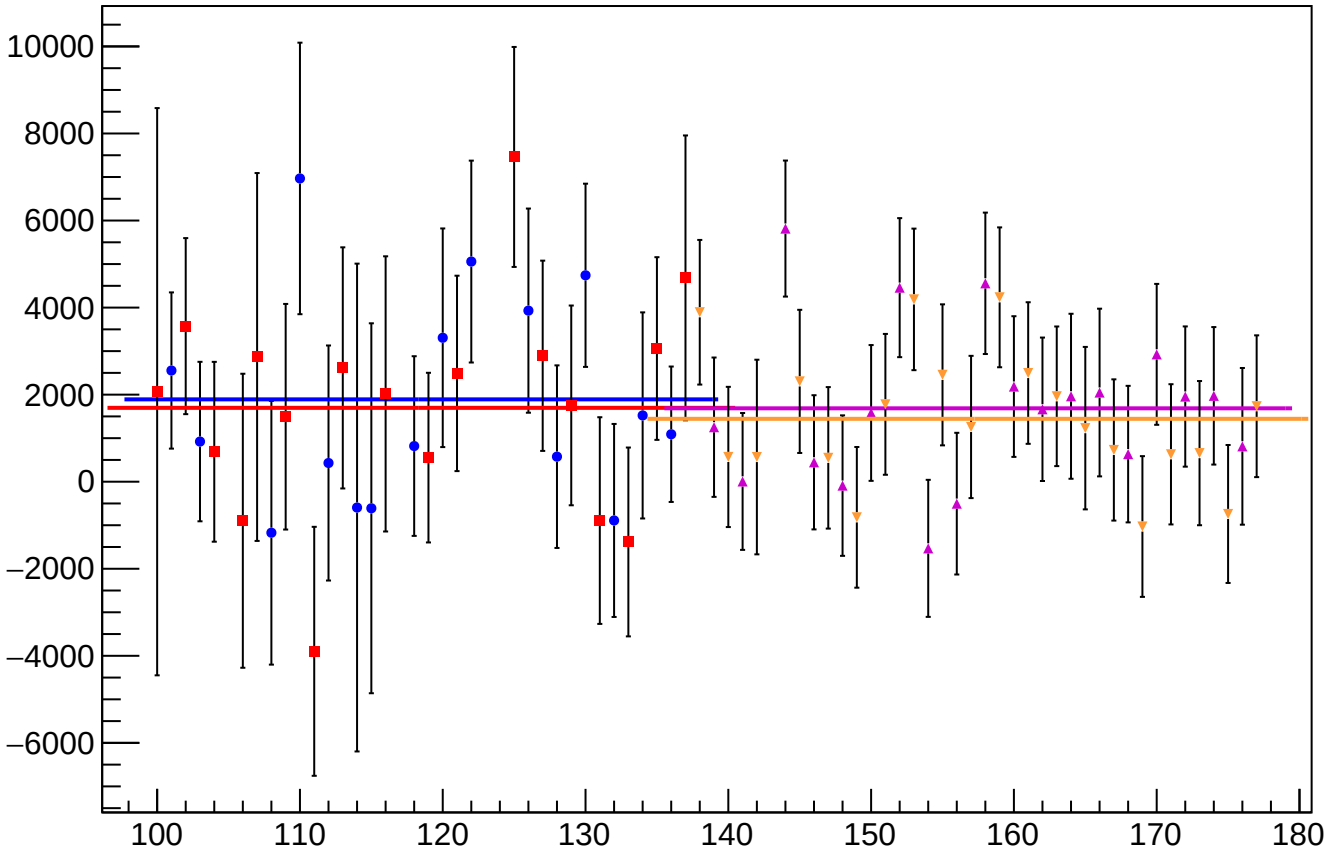
Left: 1011.444+/-0.131 χ^2/NDF: 2692297.1/38

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 836.515+/-0.134 χ^2/NDF:5974688.4/34

Out: 376.558+/-0.086 χ^2/NDF:25660756.8/37

All: 511.625+/-0.073 χ^2/NDF: 39961326.8/72



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1444.998+/-369.522 χ^2/NDF:17.0/19

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1685.742+/-373.868 χ^2/NDF:23.7/18

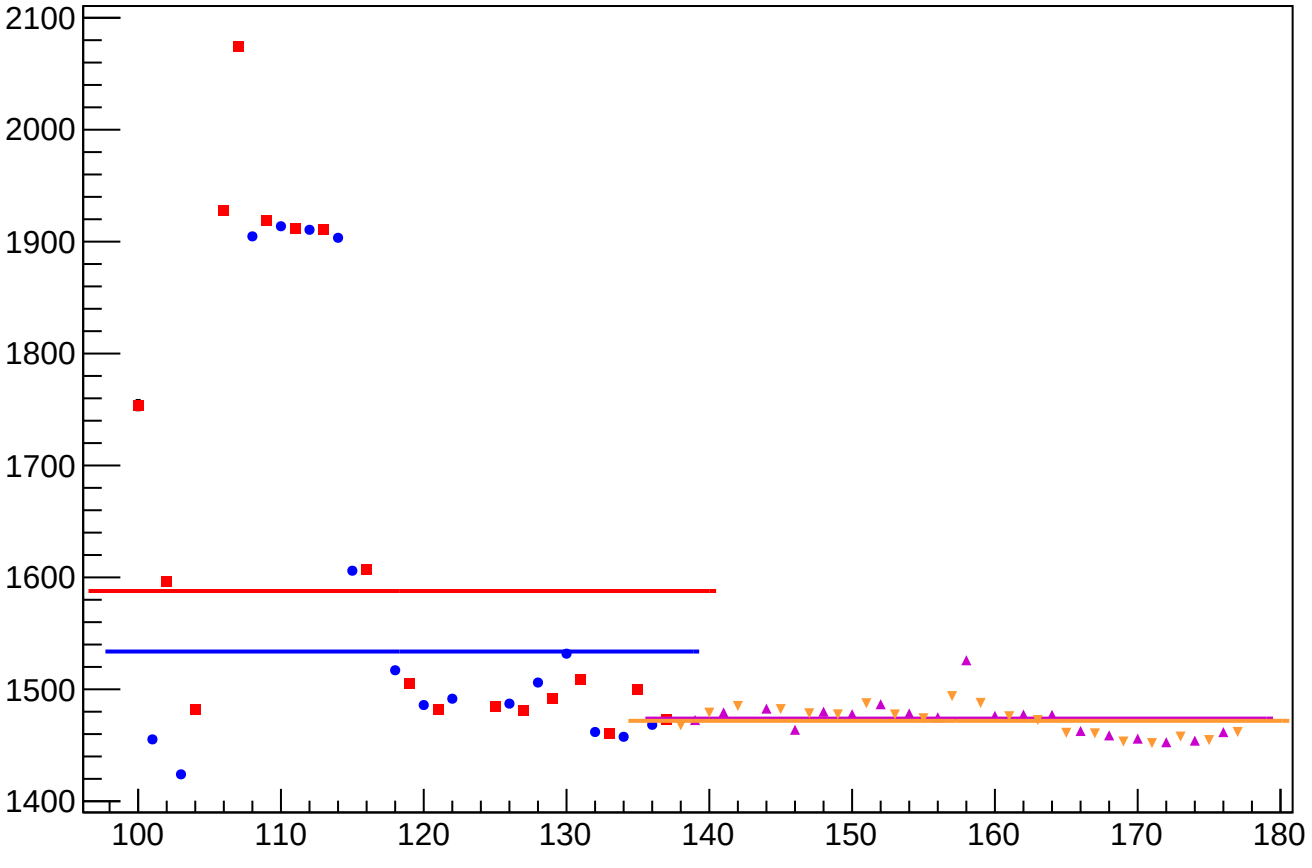
Left: 1563.962+/-262.814 χ^2/NDF: 40.8/38

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1747.314+/-312.989 χ^2/NDF:36.0/34

Out: 1516.046+/-313.125 χ^2/NDF:33.2/37

All: 1631.730+/-221.365 χ^2/NDF: 69.5/72



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1471.845+/-0.261 χ^2/NDF:2242.4/19

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1473.832+/-0.264 χ^2/NDF:3680.8/18

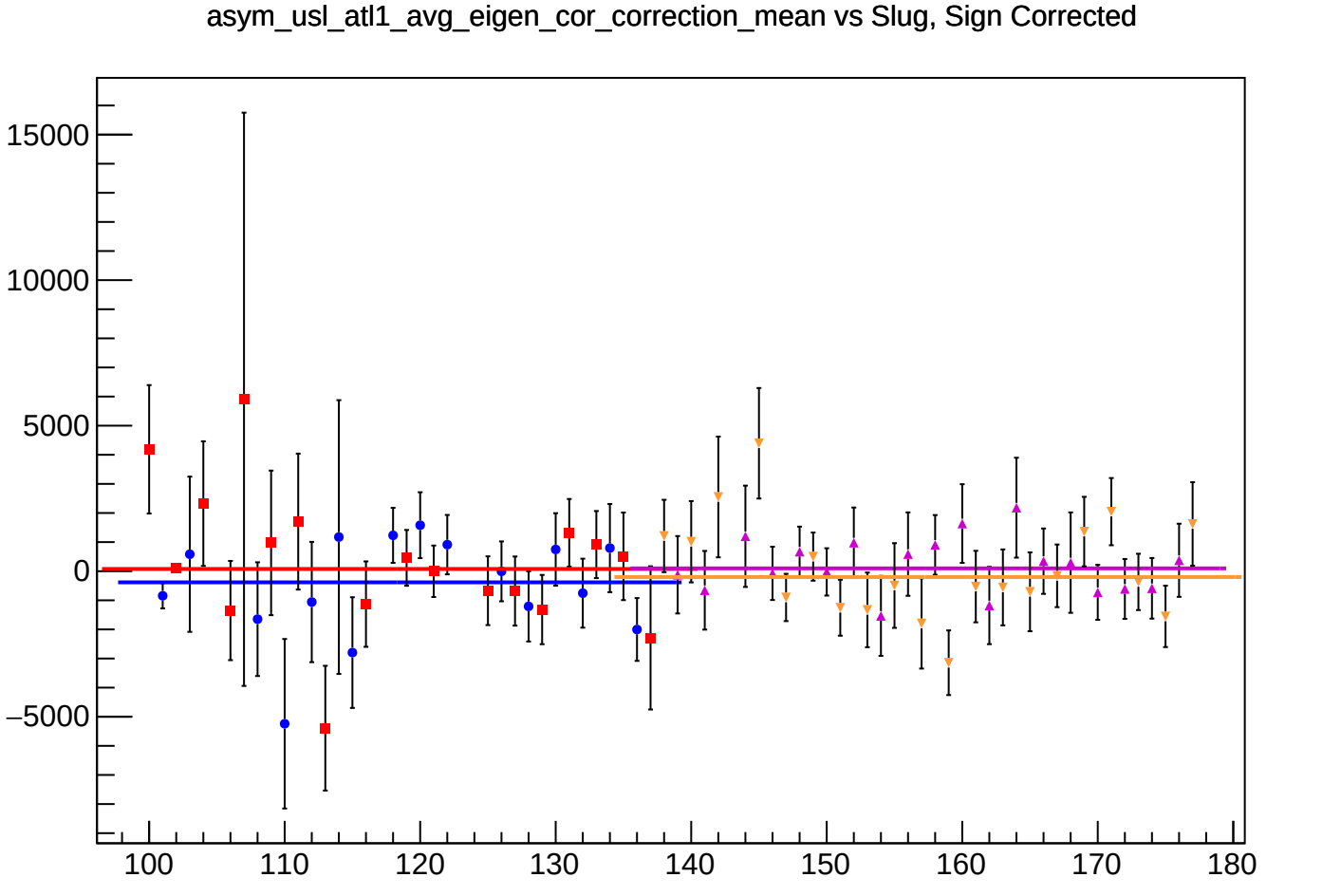
Left: 1472.827+/-0.186 χ^2/NDF: 5951.8/38

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1491.763+/-0.221 χ^2/NDF:148330.4/34

Out: 1504.551+/-0.221 χ^2/NDF:231580.6/37

All: 1498.155+/-0.157 χ^2/NDF: 381579.7/72



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -200.363+/-261.683 χ^2/NDF:30.3/19

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 97.630+/-263.871 χ^2/NDF:9.4/18

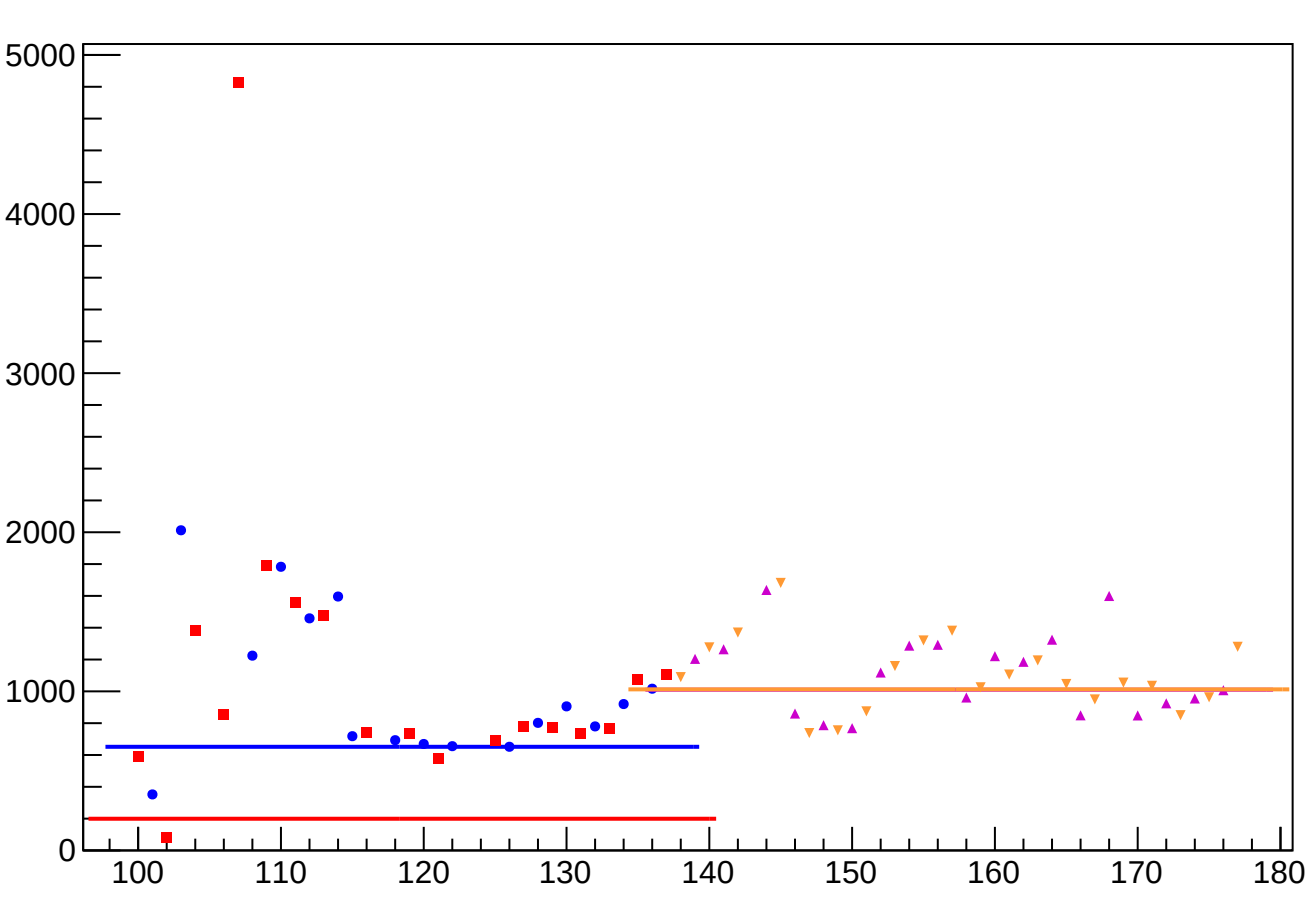
Left: -52.607+/-185.807 χ^2/NDF: 40.3/38

Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -135.096+/-189.464 χ^2/NDF:29.2/34

Out: 16.362+/-122.161 χ^2/NDF:49.7/37

All: -28.114+/-102.670 χ^2/NDF: 79.3/72



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1012.519+/-0.185 χ^2/NDF:1271946.3/19

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1010.350+/-0.187 χ^2/NDF:1420282.6/18

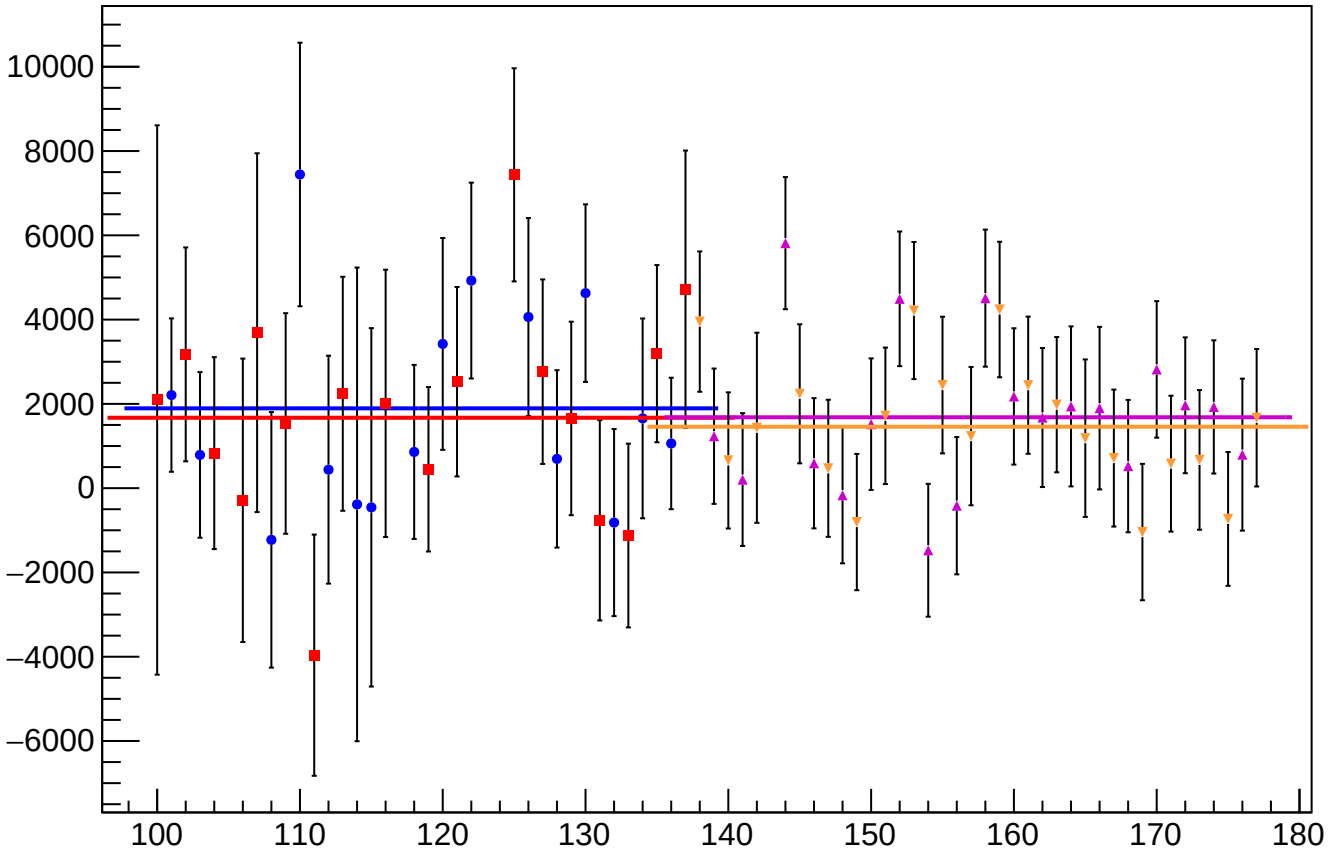
Left: 1011.444+/-0.131 χ^2/NDF: 2692297.1/38

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 836.515+/-0.134 χ^2/NDF:5974688.4/34

Out: 376.558+/-0.086 χ^2/NDF:25660756.8/37

All: 511.625+/-0.073 χ^2/NDF: 39961326.8/72



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 1457.301+/-370.132 χ^2/NDF:16.8/19

Right Out: 1670.933+/-604.838 χ^2/NDF: 15.0/17

Left In: 1682.297+/-374.382 χ^2/NDF:23.0/18

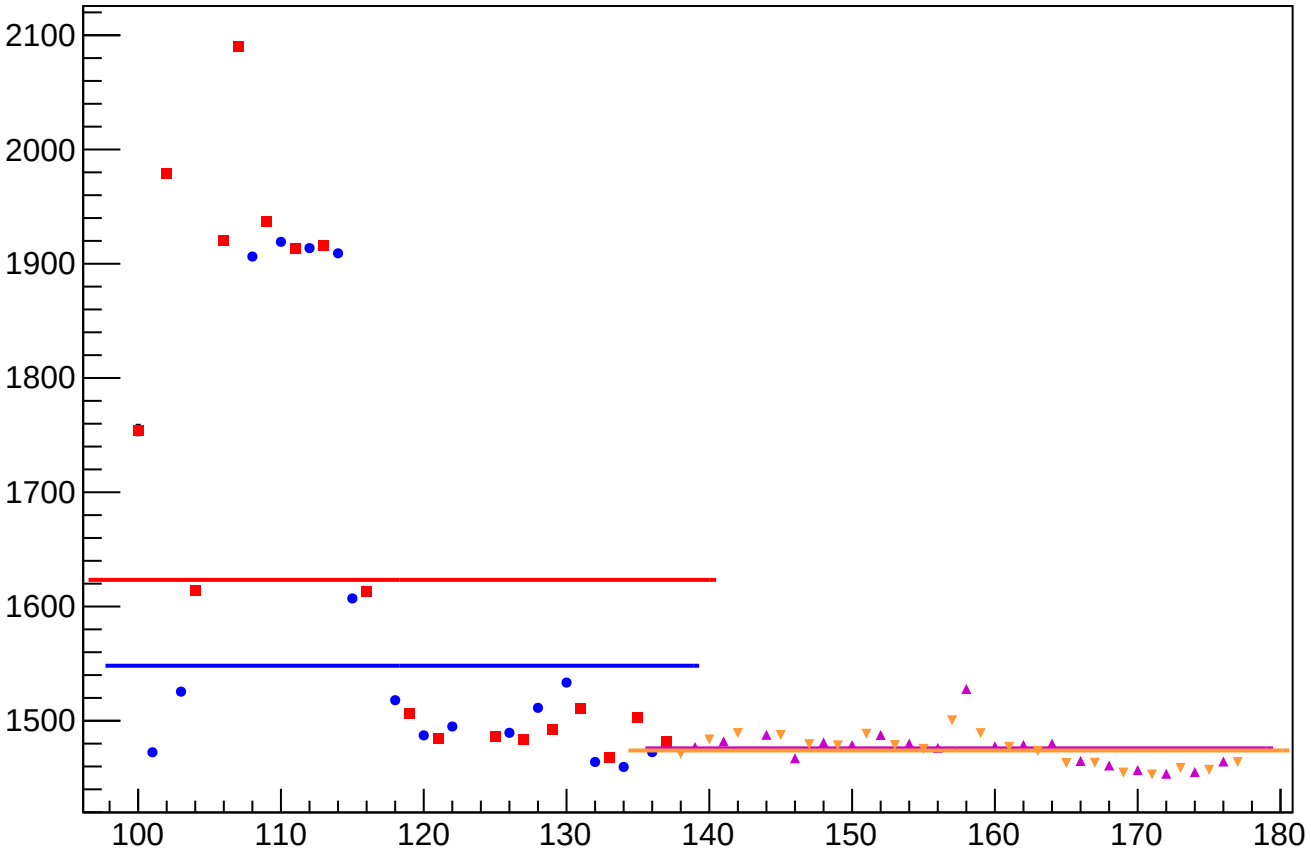
Left: 1568.514+/-263.212 χ^2/NDF: 40.0/38

Right: 1787.686+/-417.734 χ^2/NDF: 27.4/33

In: 1744.972+/-314.166 χ^2/NDF:35.3/34

Out: 1515.506+/-315.708 χ^2/NDF:32.0/37

All: 1630.801+/-222.692 χ^2/NDF: 67.6/72



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1474.004+/-0.262 χ^2/NDF:2481.6/19

Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 1475.841+/-0.265 χ^2/NDF:3744.8/18

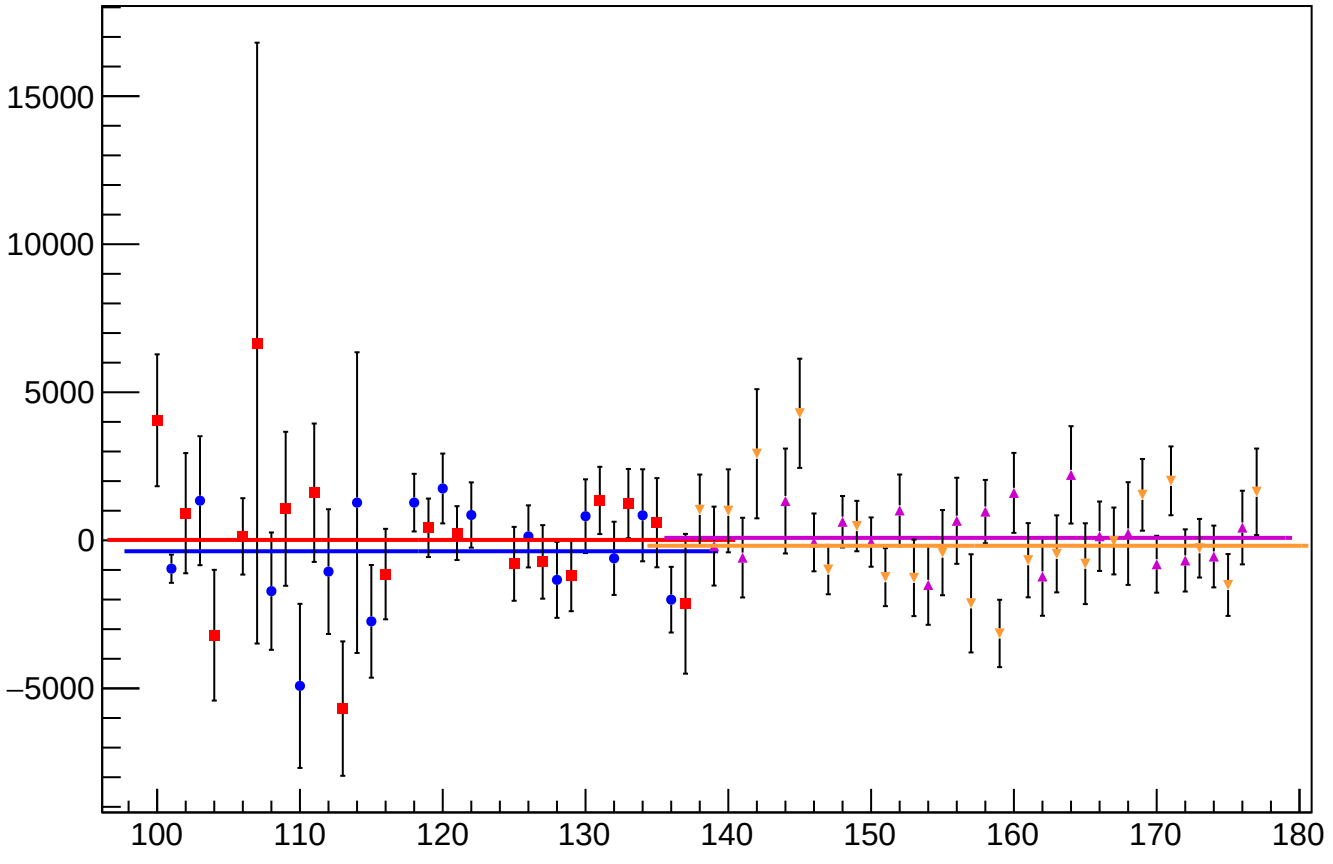
Left: 1474.912+/-0.186 χ^2/NDF: 6250.7/38

Right: 1584.024+/-0.295 χ^2/NDF: 347589.8/33

In: 1497.238+/-0.222 χ^2/NDF:145734.9/34

Out: 1514.688+/-0.223 χ^2/NDF:302708.3/37

All: 1505.920+/-0.157 χ^2/NDF: 451513.5/72



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: -183.351+/-265.556 χ^2/NDF:30.4/19

Right Out: 13.729+/-341.569 χ^2/NDF: 19.1/17

Left In: 83.045+/-267.903 χ^2/NDF:9.8/18

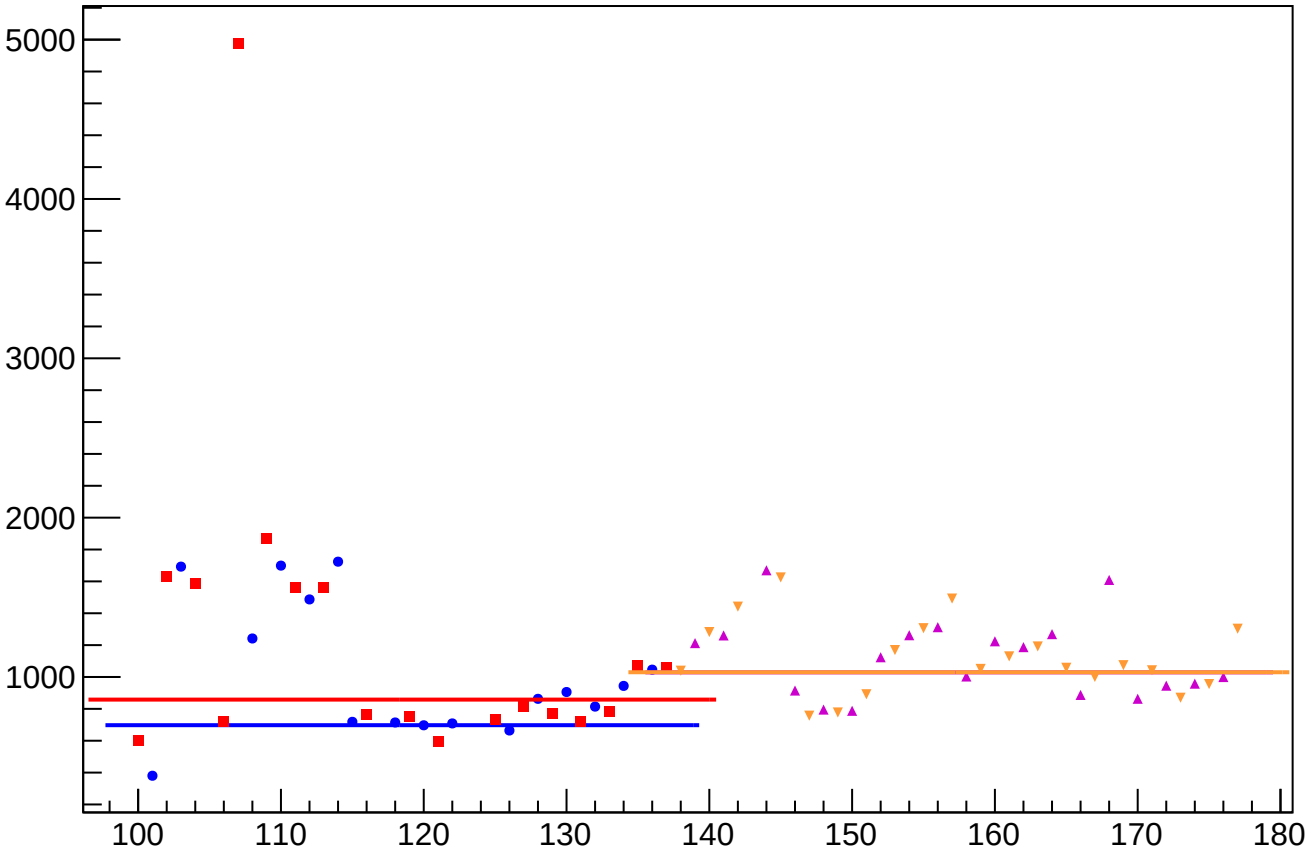
Left: -51.325+/-188.601 χ^2/NDF: 40.7/38

Right: -210.716+/-219.541 χ^2/NDF: 38.7/33

In: -127.635+/-195.705 χ^2/NDF:30.0/34

Out: -109.105+/-209.649 χ^2/NDF:49.7/37

All: -119.006+/-143.060 χ^2/NDF: 79.7/72



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 1029.755+/-0.188 χ^2/NDF:1208748.4/19

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

Left In: 1029.033+/-0.189 χ^2/NDF:1296261.2/18

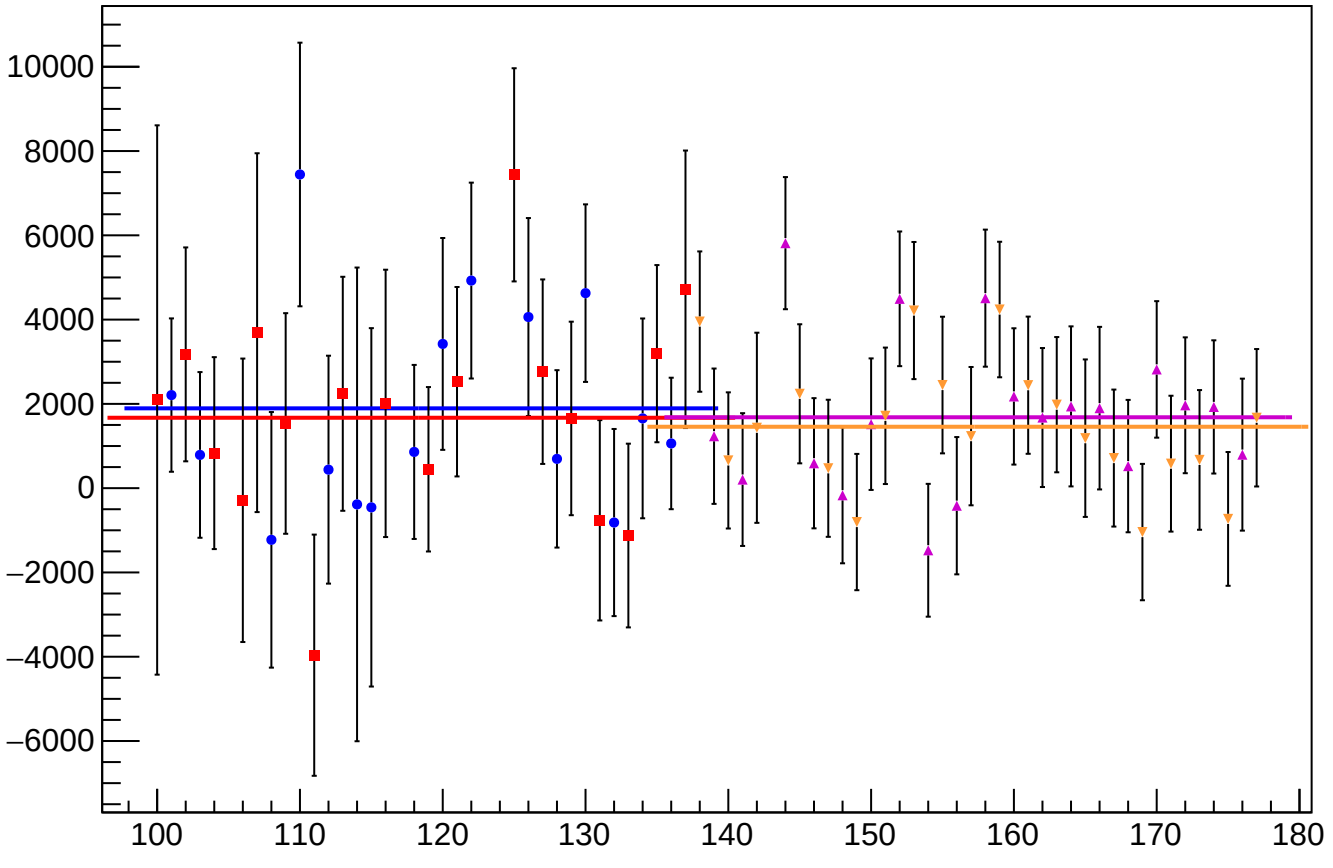
Left: 1029.397+/-0.133 χ^2/NDF: 2505016.9/38

Right: 763.855+/-0.155 χ^2/NDF: 4577183.5/33

In: 874.427+/-0.138 χ^2/NDF:5160119.6/34

Out: 965.086+/-0.148 χ^2/NDF:3405749.9/37

All: 916.641+/-0.101 χ^2/NDF: 8765716.0/72



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 1457.300+/-370.132 χ^2/NDF:16.8/19

Right Out: 1670.931+/-604.838 χ^2/NDF: 15.0/17

Left In: 1682.298+/-374.382 χ^2/NDF:23.0/18

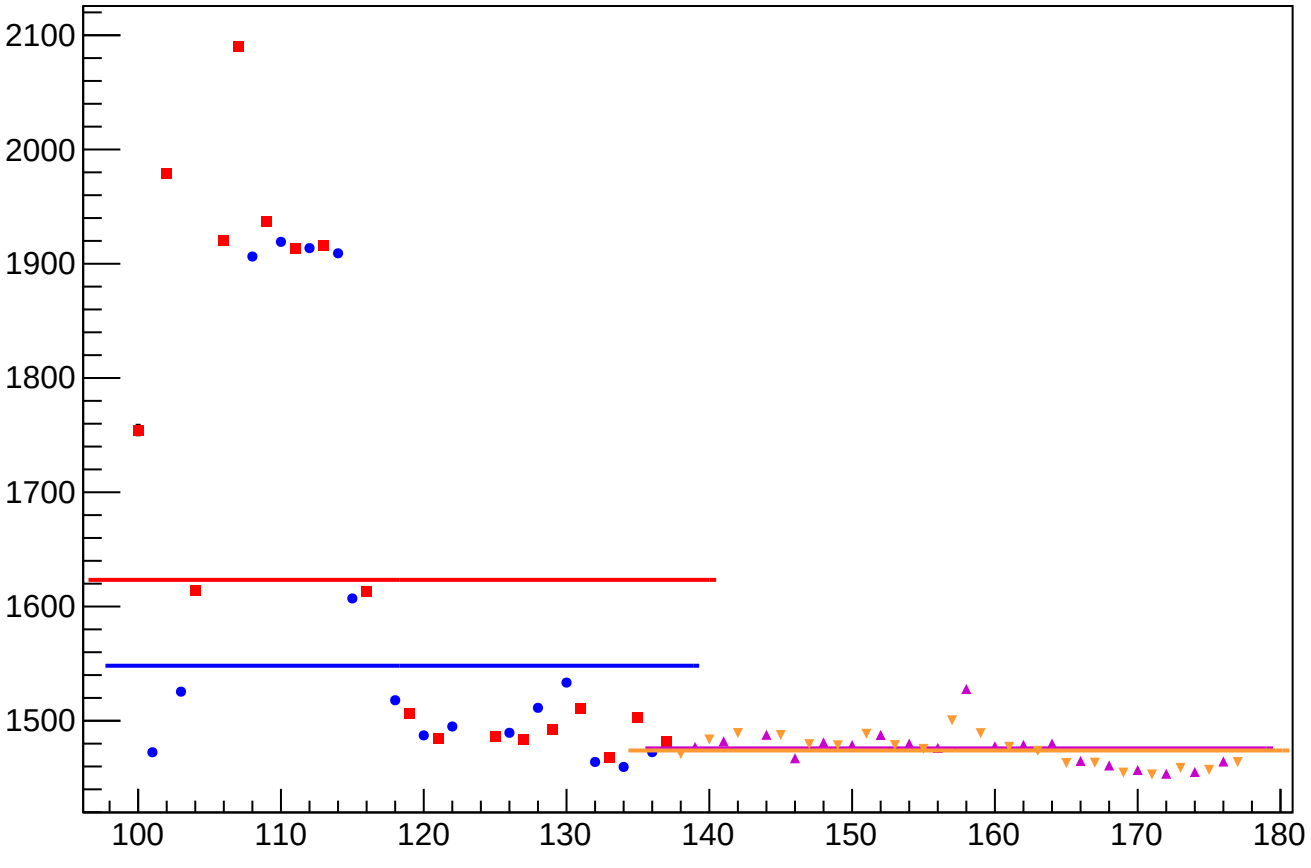
Left: 1568.514+/-263.212 χ^2/NDF: 40.0/38

Right: 1787.684+/-417.734 χ^2/NDF: 27.4/33

In: 1744.972+/-314.166 χ^2/NDF:35.3/34

Out: 1515.505+/-315.708 χ^2/NDF:32.0/37

All: 1630.800+/-222.692 χ^2/NDF: 67.6/72



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1474.004+/-0.262 χ^2/NDF:2481.6/19

Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1475.841+/-0.265 χ^2/NDF:3744.8/18

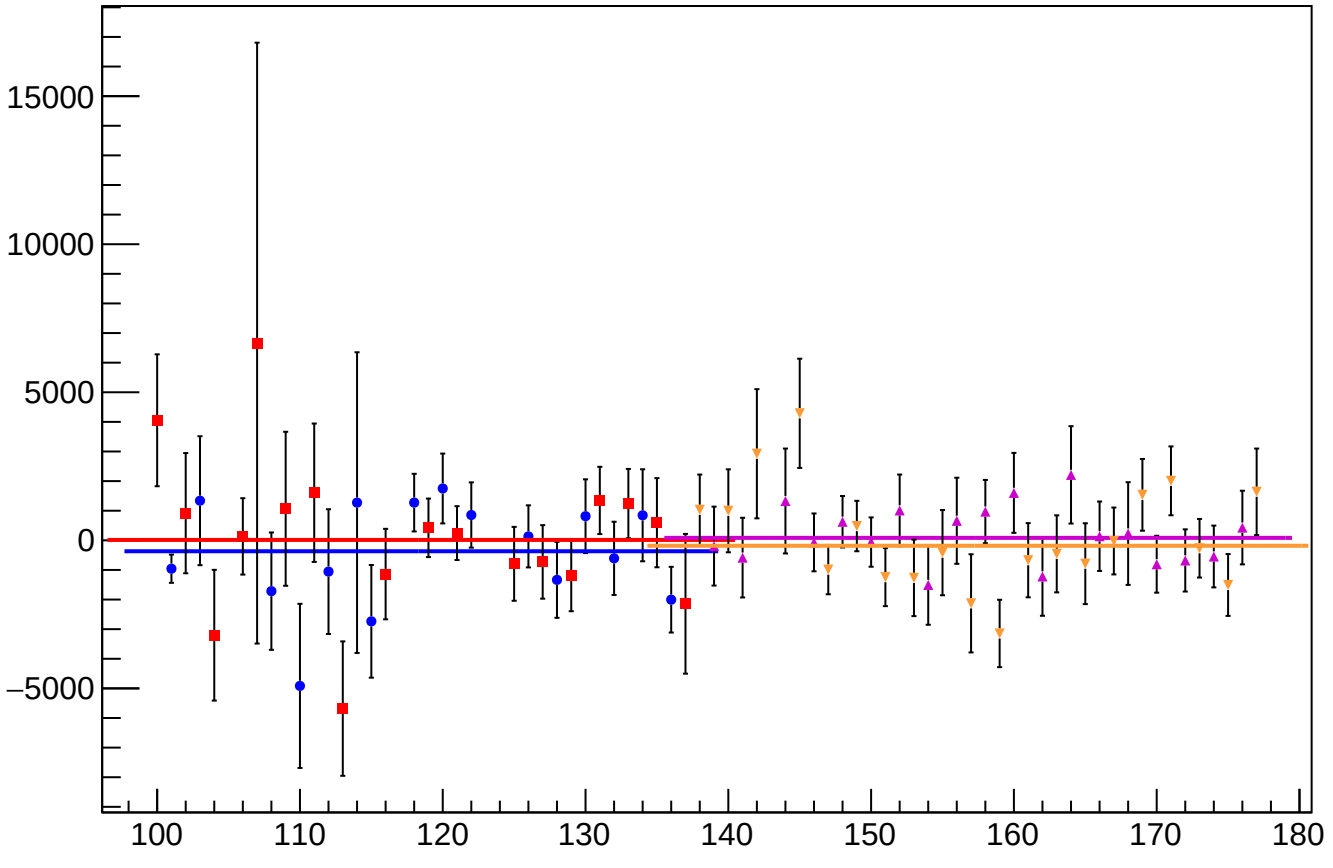
Left: 1474.912+/-0.186 χ^2/NDF: 6250.7/38

Right: 1584.024+/-0.295 χ^2/NDF: 347589.7/33

In: 1497.238+/-0.222 χ^2/NDF:145734.8/34

Out: 1514.688+/-0.223 χ^2/NDF:302707.9/37

All: 1505.920+/-0.157 χ^2/NDF: 451512.9/72



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: -183.353+/-265.556 χ^2/NDF:30.4/19

Right Out: 13.730+/-341.568 χ^2/NDF: 19.1/17

Left In: 83.045+/-267.903 χ^2/NDF:9.8/18

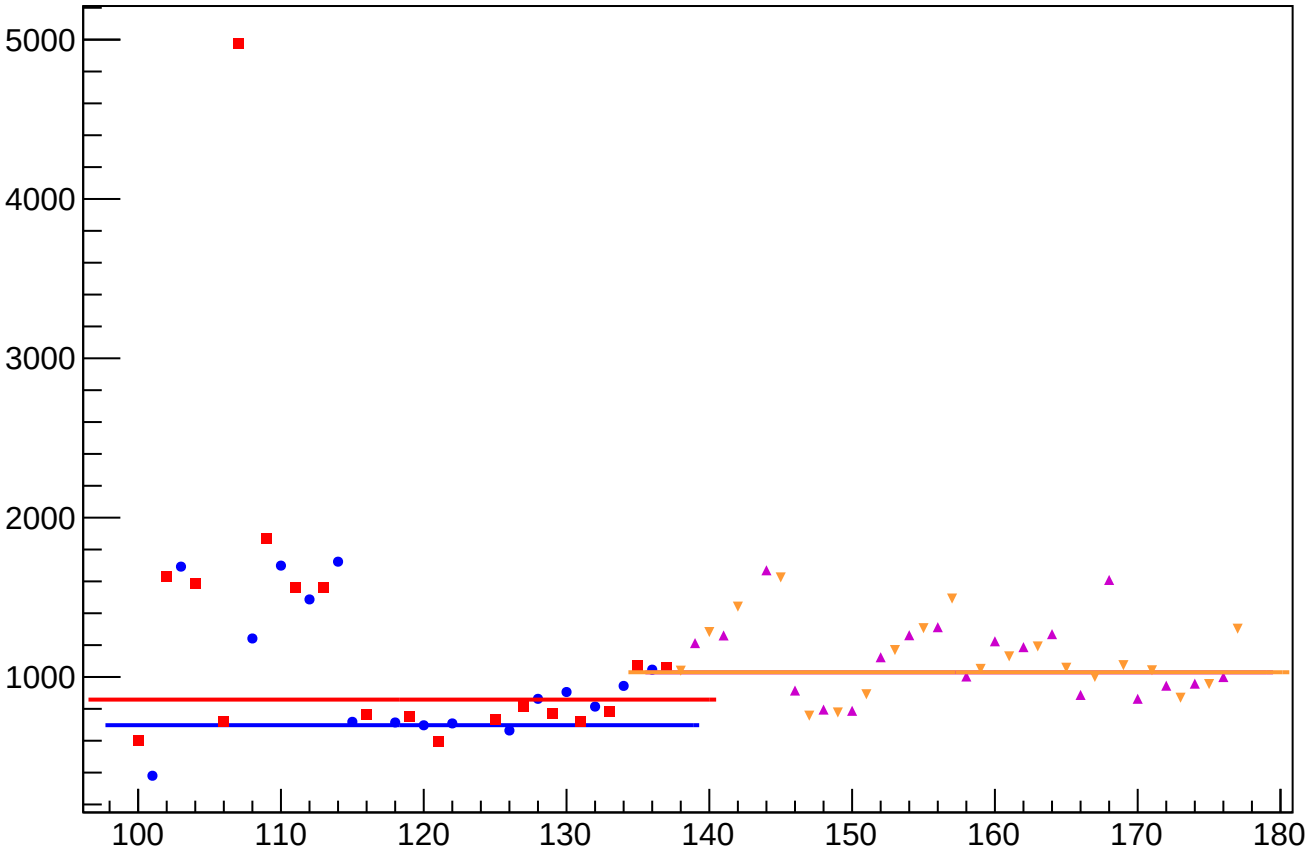
Left: -51.326+/-188.601 χ^2/NDF: 40.7/38

Right: -210.715+/-219.541 χ^2/NDF: 38.7/33

In: -127.634+/-195.705 χ^2/NDF:30.0/34

Out: -109.106+/-209.649 χ^2/NDF:49.7/37

All: -119.007+/-143.060 χ^2/NDF: 79.7/72



Right In: 697.517+/-0.203 χ^2/NDF: 2435593.9/15

Left Out: 1029.757+/-0.188 χ^2/NDF:1208746.6/19

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

Left In: 1029.034+/-0.189 χ^2/NDF:1296257.6/18

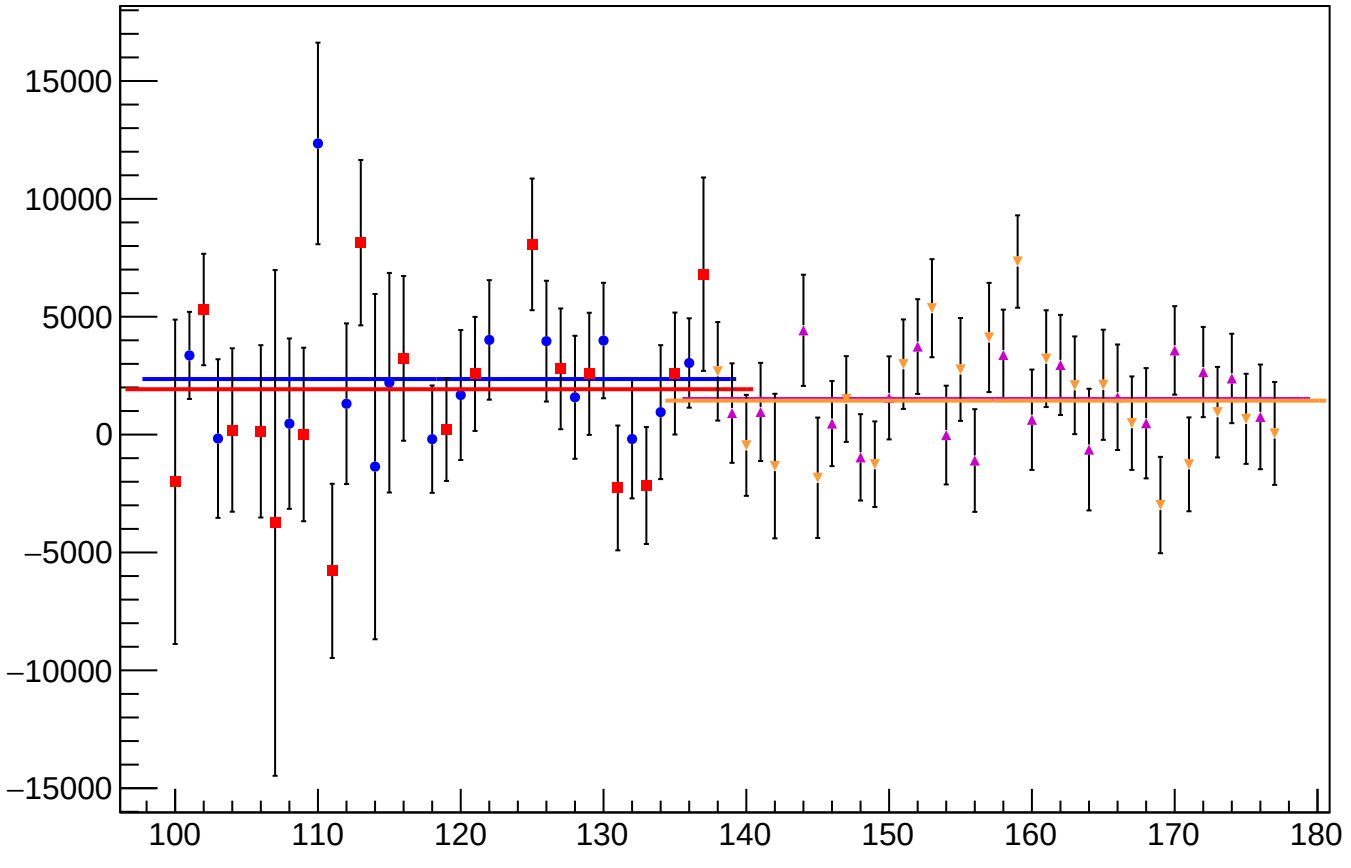
Left: 1029.399+/-0.133 χ^2/NDF: 2505011.6/38

Right: 763.854+/-0.155 χ^2/NDF: 4577181.2/33

In: 874.427+/-0.138 χ^2/NDF:5160120.7/34

Out: 965.086+/-0.148 χ^2/NDF:3405769.5/37

All: 916.642+/-0.101 χ^2/NDF: 8765734.5/72



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 1441.171+/-464.679 χ^2/NDF:29.1/19

Right Out: 1924.824+/-706.809 χ^2/NDF: 23.4/17

Left In: 1509.133+/-469.795 χ^2/NDF:11.4/18

Left: 1474.780+/-330.372 χ^2/NDF: 40.5/38

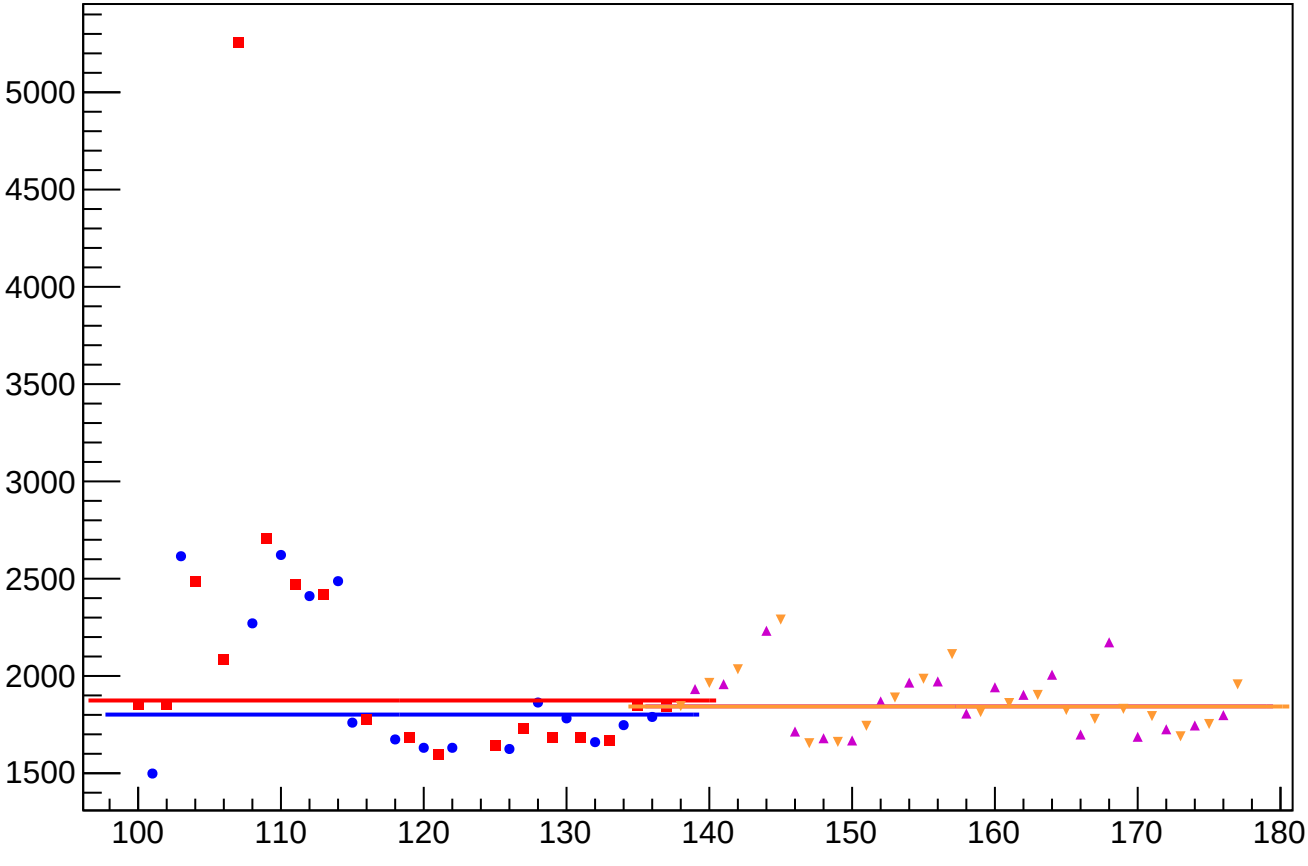
Right: 2149.598+/-489.640 χ^2/NDF: 34.6/33

In: 1783.649+/-386.326 χ^2/NDF:23.5/34

Out: 1587.129+/-388.283 χ^2/NDF:52.9/37

All: 1685.886+/-273.863 χ^2/NDF: 76.5/72

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1843.024+/-0.329 χ^2/NDF:187266.9/19

Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1843.827+/-0.332 χ^2/NDF:214047.9/18

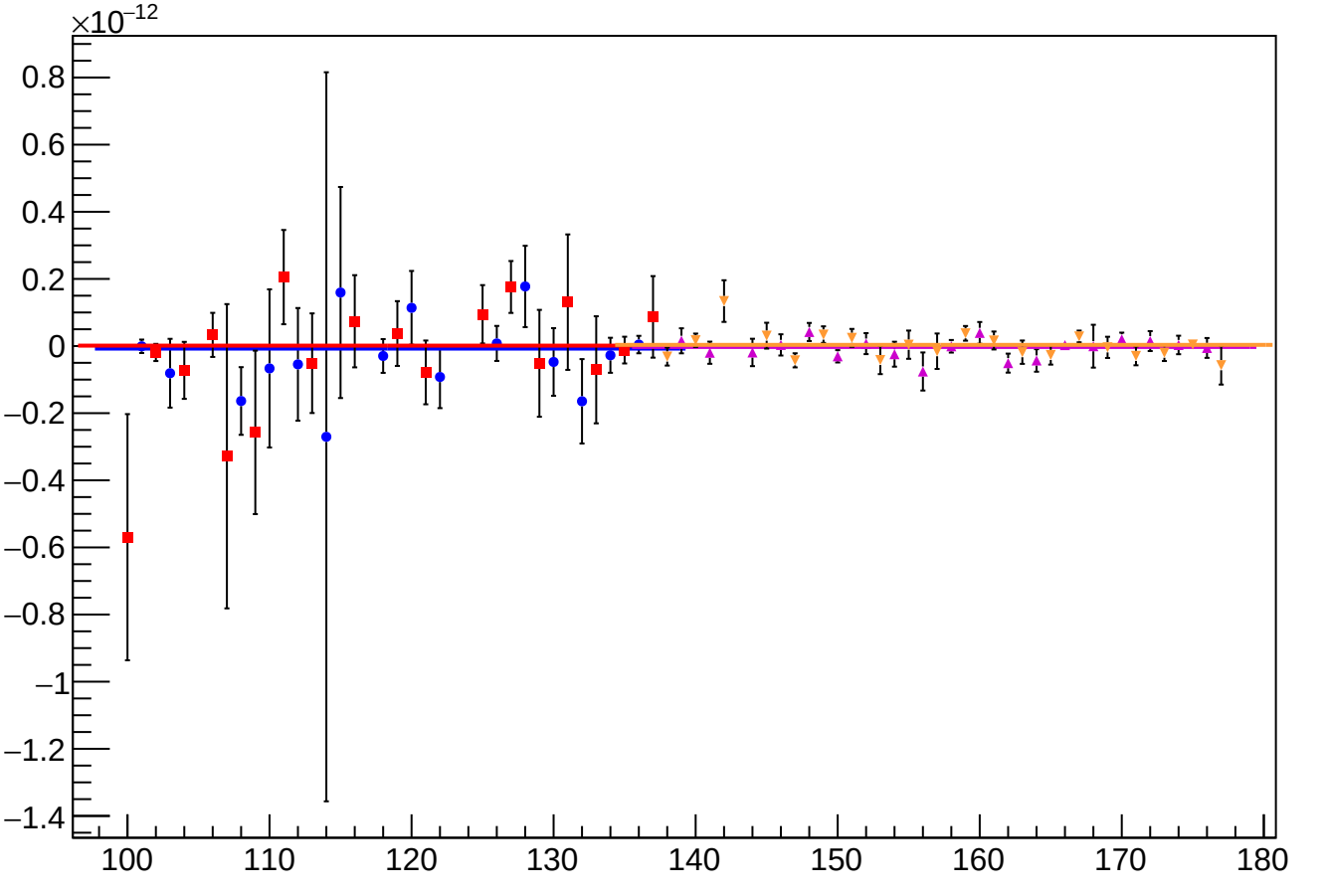
Left: 1843.421+/-0.234 χ^2/NDF: 401317.8/38

Right: 1836.296+/-0.346 χ^2/NDF: 981540.0/33

In: 1830.132+/-0.273 χ^2/NDF:619999.7/34

Out: 1852.365+/-0.275 χ^2/NDF:759853.8/37

All: 1841.192+/-0.194 χ^2/NDF: 1383148.8/72



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: -0.000+/-0.000 χ^2/NDF:15.7/18

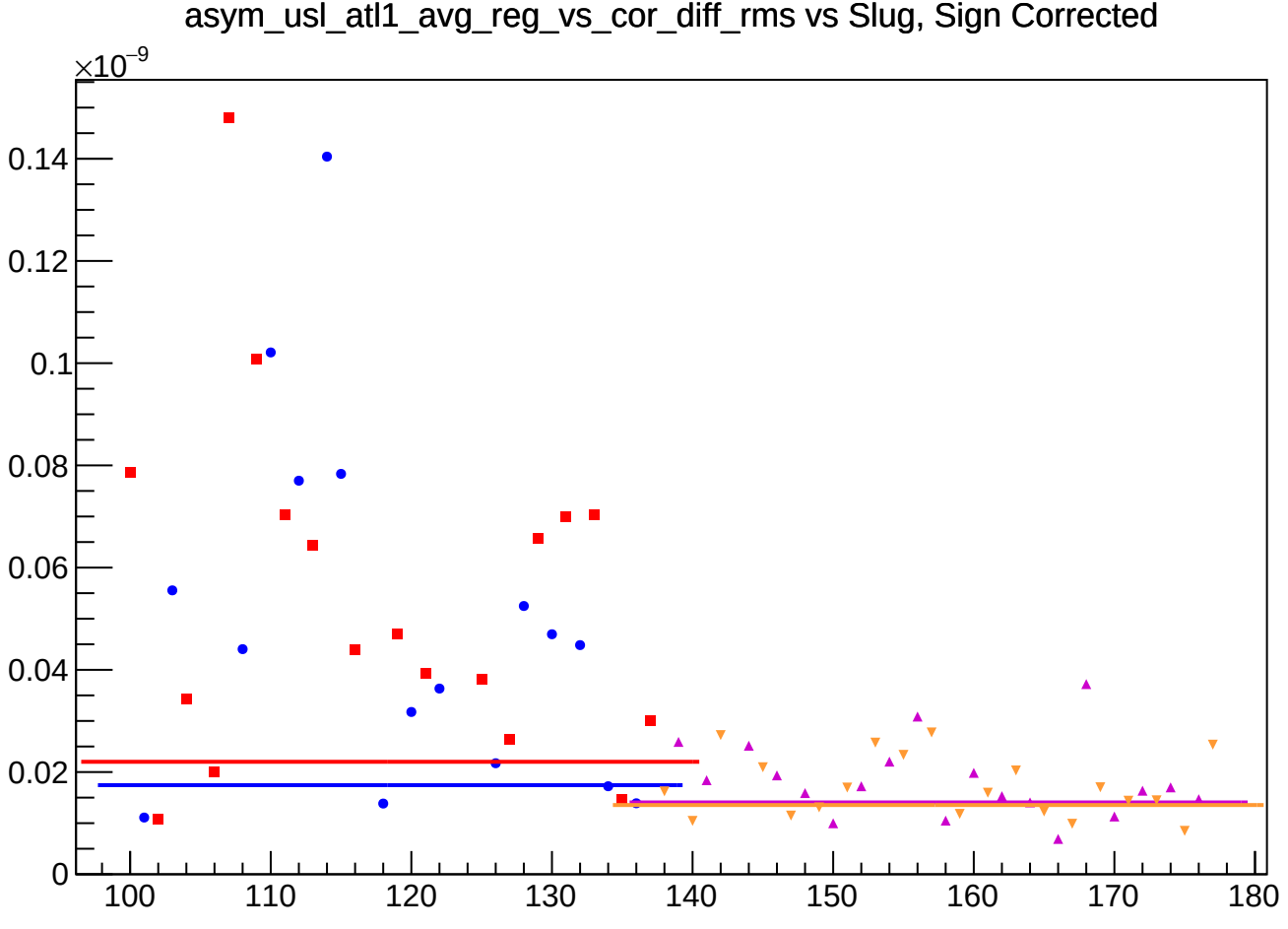
Left: 0.000+/-0.000 χ^2/NDF: 41.2/38

Right: -0.000+/-0.000 χ^2/NDF: 27.1/33

In: -0.000+/-0.000 χ^2/NDF:26.1/34

Out: 0.000+/-0.000 χ^2/NDF:41.7/37

All: -0.000+/-0.000 χ^2/NDF: 68.5/72



Right In: 0.000+/-0.000 χ^2/NDF: 1840069.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1253650.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2098640.3/17

Left In: 0.000+/-0.000 χ^2/NDF:1772170.0/18

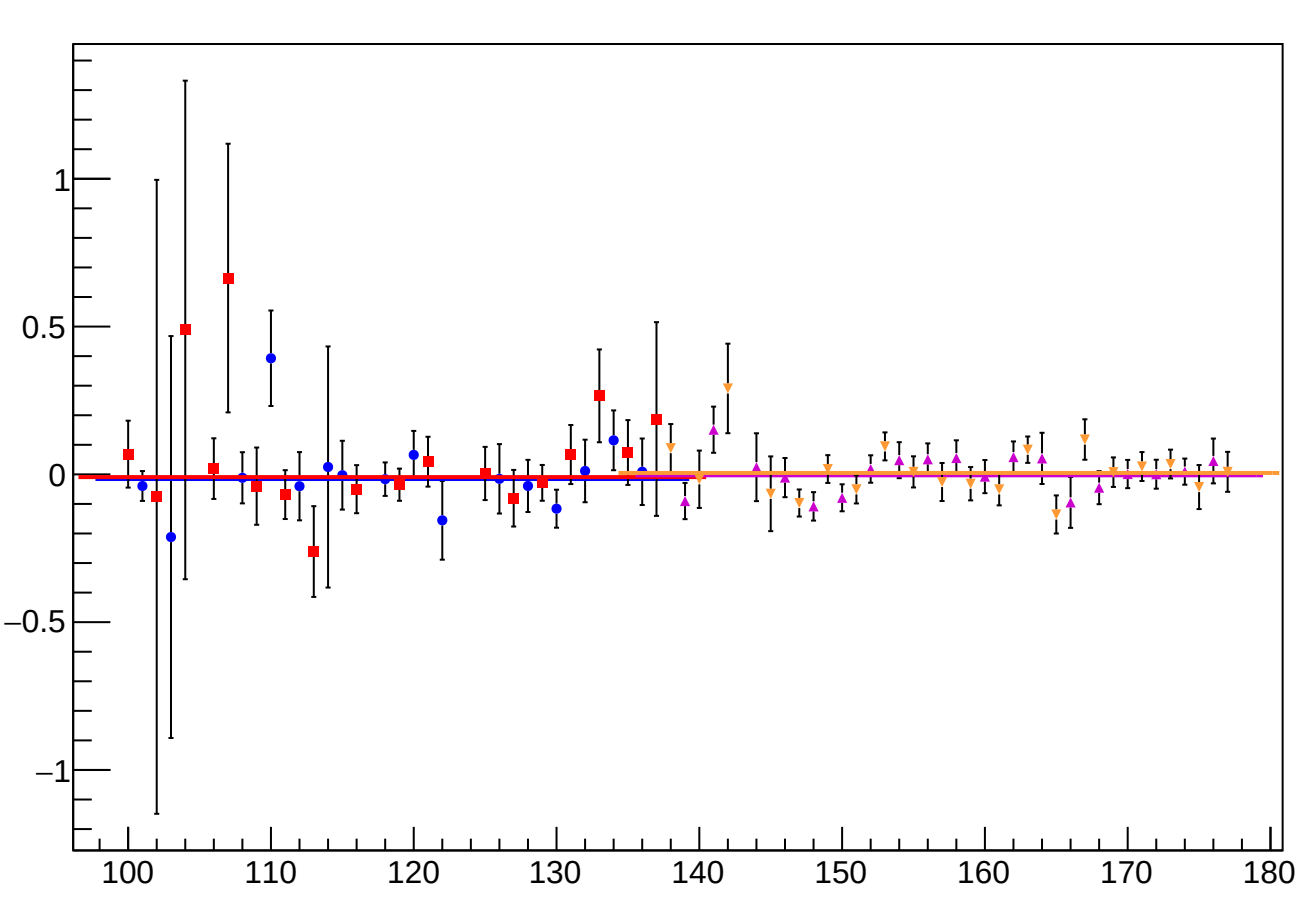
Left: 0.000+/-0.000 χ^2/NDF: 3033103.7/38

Right: 0.000+/-0.000 χ^2/NDF: 4028264.0/33

In: 0.000+/-0.000 χ^2/NDF:3720749.0/34

Out: 0.000+/-0.000 χ^2/NDF:3788239.5/37

All: 0.000+/-0.000 χ^2/NDF: 7510813.8/72



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.005+/-0.013 χ^2/NDF:28.2/19

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.003+/-0.013 χ^2/NDF:20.4/18

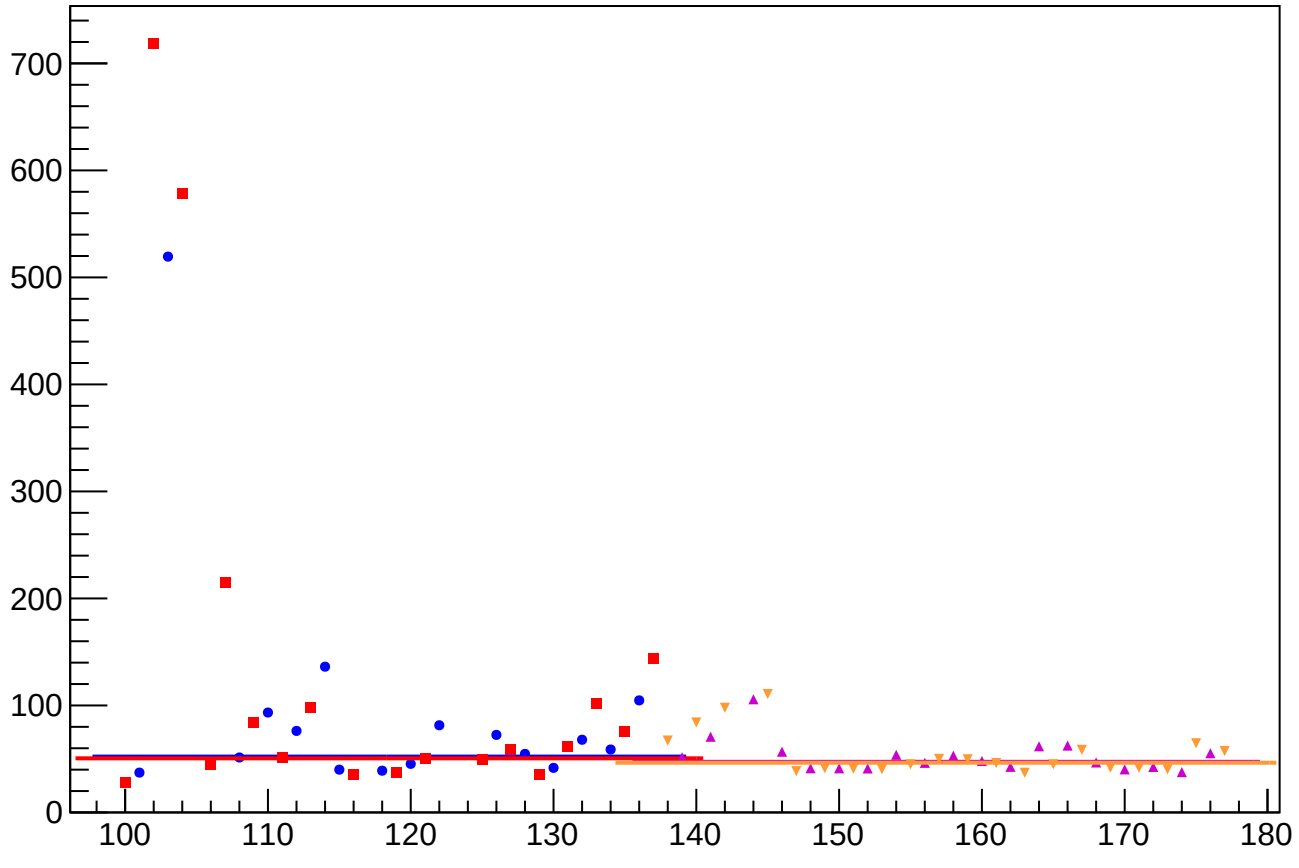
Left: 0.001+/-0.009 χ^2/NDF: 48.8/38

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.006+/-0.011 χ^2/NDF:33.8/34

Out: 0.002+/-0.011 χ^2/NDF:41.0/37

All: -0.002+/-0.008 χ^2/NDF: 75.1/72



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 46.481+/-0.009 χ^2/NDF:1726239.9/19

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 47.318+/-0.009 χ^2/NDF:1209225.0/18

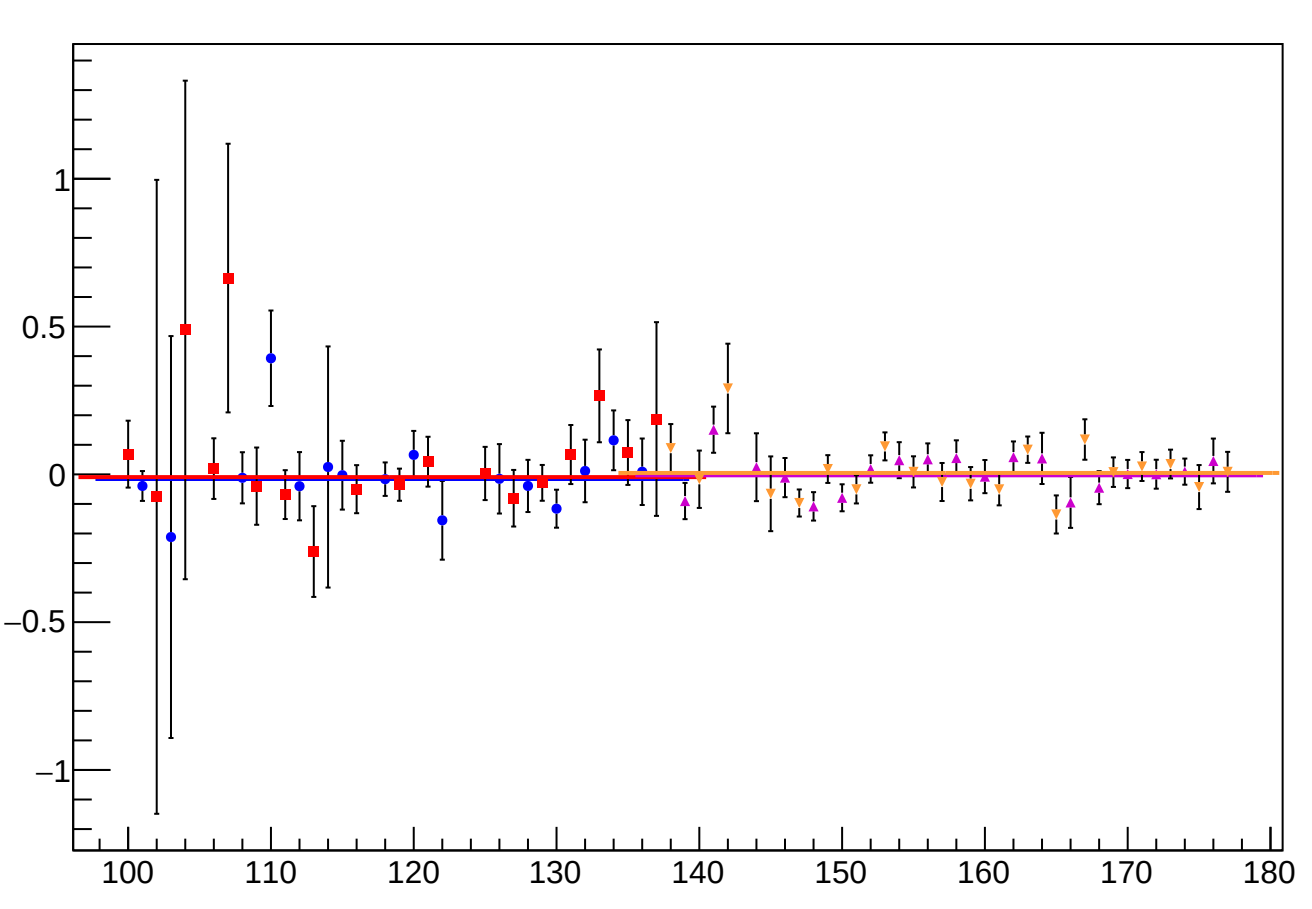
Left: 46.892+/-0.006 χ^2/NDF: 2939616.4/38

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 48.543+/-0.008 χ^2/NDF:3545483.2/34

Out: 47.422+/-0.008 χ^2/NDF:4824177.1/37

All: 47.980+/-0.006 χ^2/NDF: 8379461.2/72



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.005+/-0.013 χ^2/NDF:28.2/19

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.003+/-0.013 χ^2/NDF:20.4/18

Left: 0.001+/-0.009 χ^2/NDF: 48.8/38

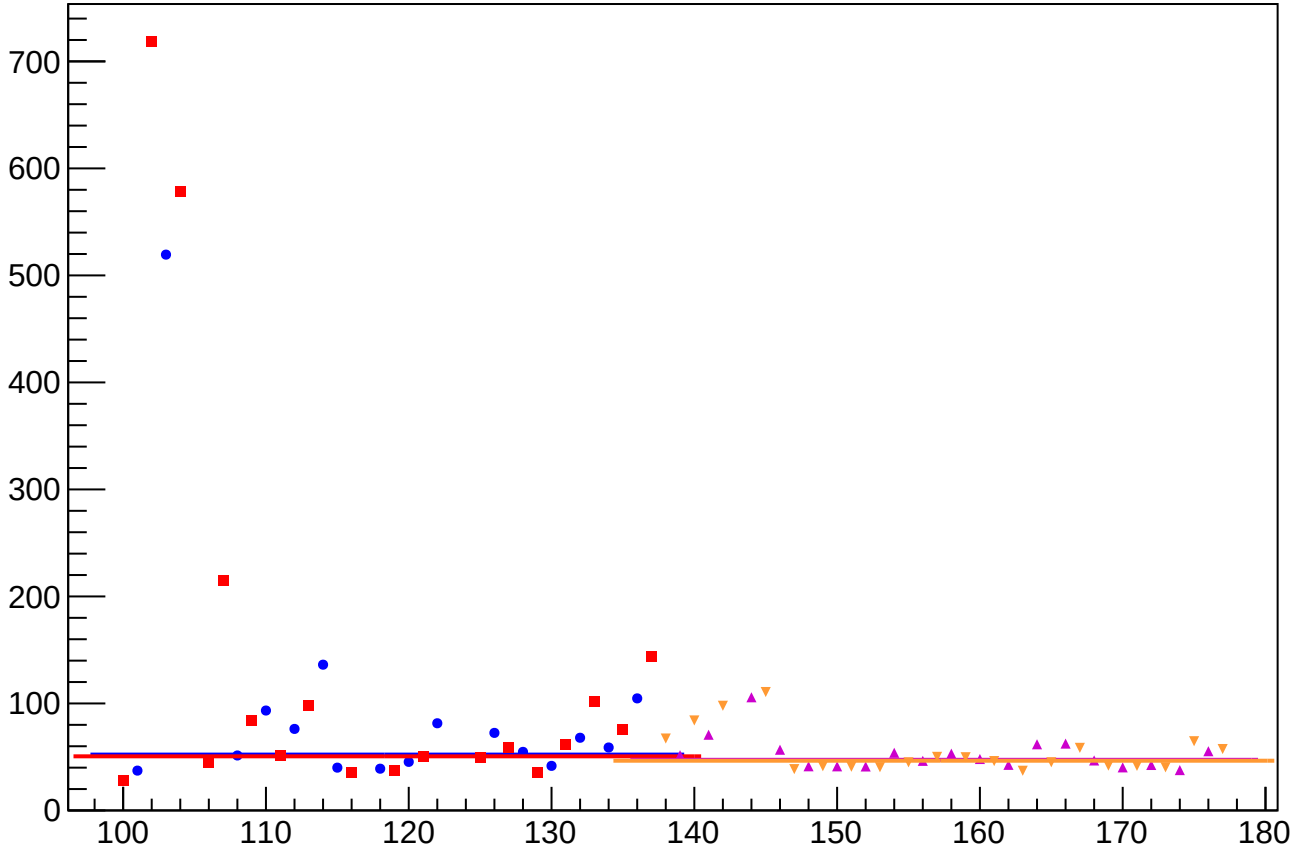
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.006+/-0.011 χ^2/NDF:33.8/34

Out: 0.002+/-0.011 χ^2/NDF:41.0/37

All: -0.002+/-0.008 χ^2/NDF: 75.1/72

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: 46.481+/-0.009 χ^2/NDF:1726239.9/19

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 47.318+/-0.009 χ^2/NDF:1209225.0/18

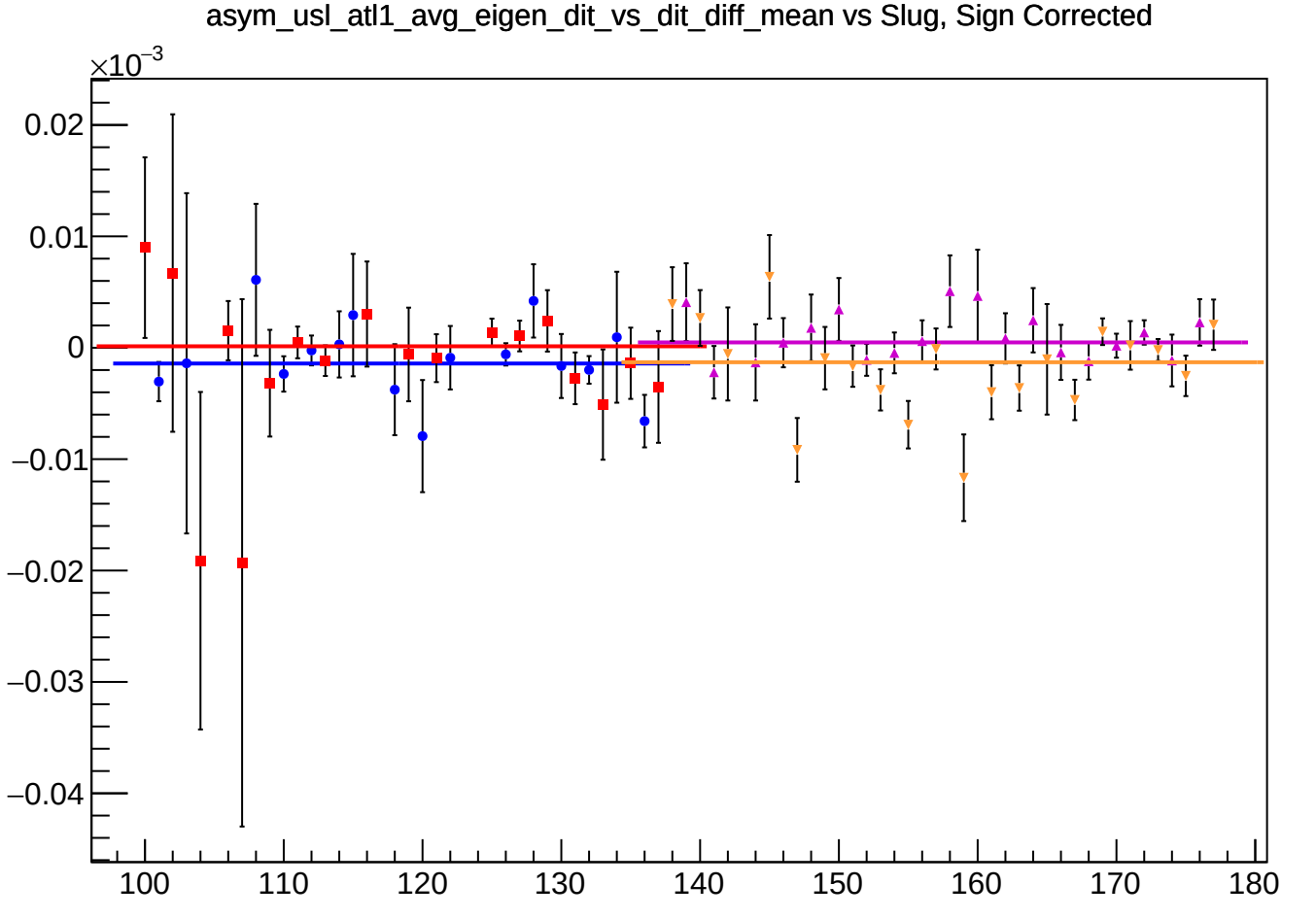
Left: 46.892+/-0.006 χ^2/NDF: 2939616.4/38

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 48.543+/-0.008 χ^2/NDF:3545483.2/34

Out: 47.422+/-0.008 χ^2/NDF:4824177.1/37

All: 47.980+/-0.006 χ^2/NDF: 8379461.2/72



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:48.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 11.6/17

Left In: 0.000+/-0.000 χ^2/NDF:12.1/18

Left: -0.000+/-0.000 χ^2/NDF: 68.7/38

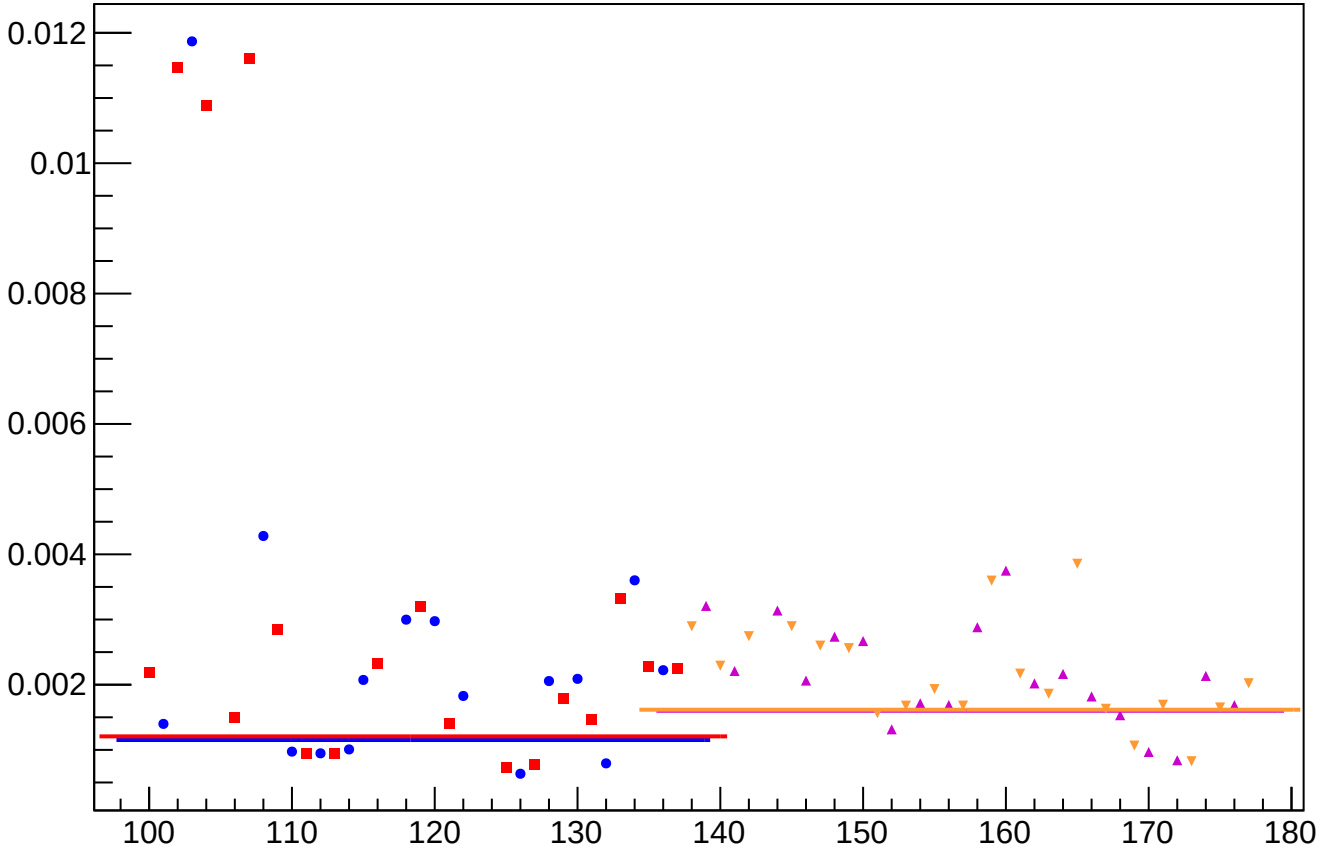
Right: -0.000+/-0.000 χ^2/NDF: 30.7/33

In: -0.000+/-0.000 χ^2/NDF:34.7/34

Out: -0.000+/-0.000 χ^2/NDF:64.4/37

All: -0.000+/-0.000 χ^2/NDF: 99.8/72

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:4170803.3/19

Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.002+/-0.000 χ^2/NDF:4494278.7/18

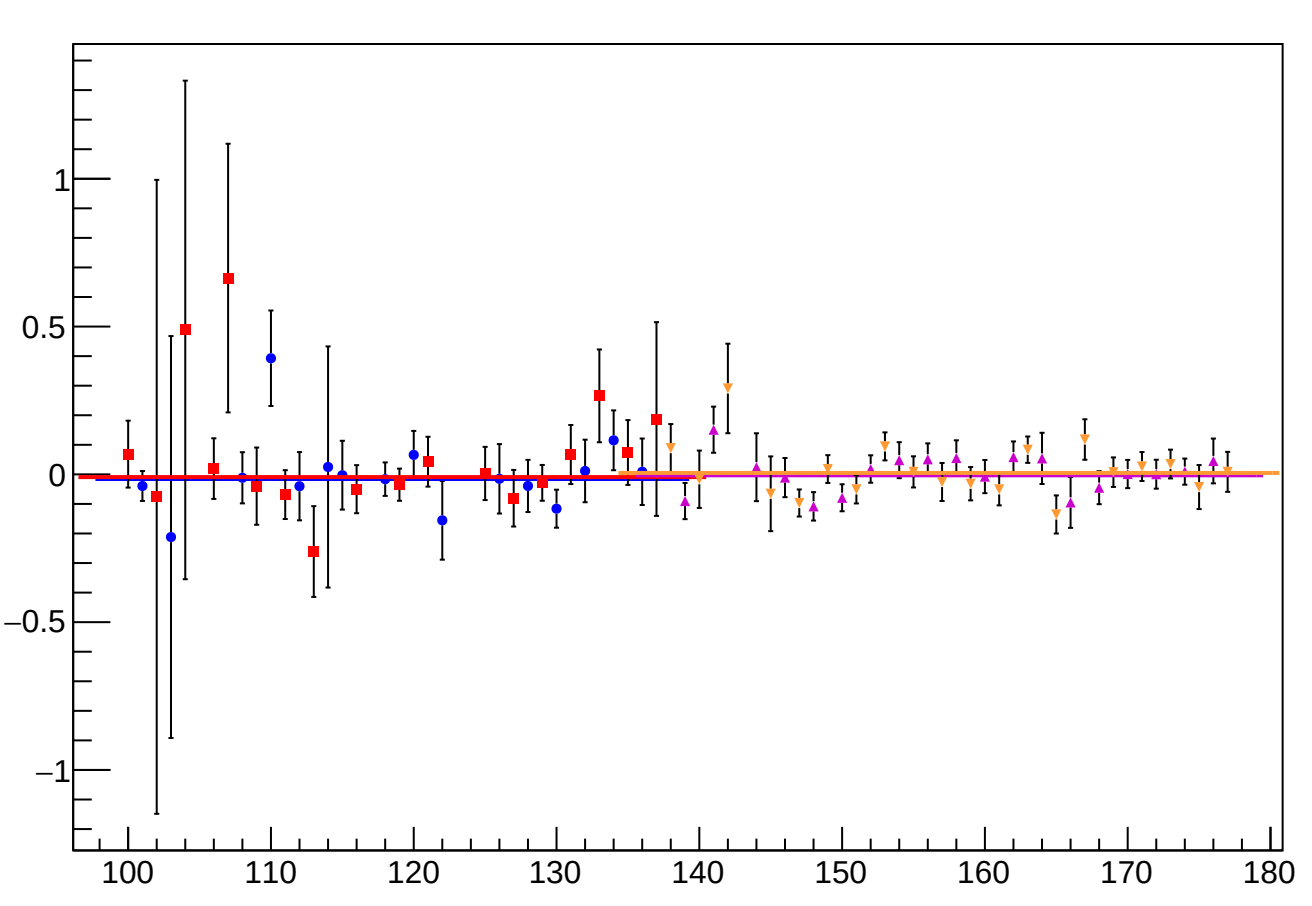
Left: 0.002+/-0.000 χ^2/NDF: 8666296.2/38

Right: 0.001+/-0.000 χ^2/NDF: 8720631.4/33

In: 0.001+/-0.000 χ^2/NDF:9543822.4/34

Out: 0.001+/-0.000 χ^2/NDF:9347761.6/37

All: 0.001+/-0.000 χ^2/NDF: 18910893.9/72



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.005+/-0.013 χ^2/NDF:28.2/19

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.003+/-0.013 χ^2/NDF:20.4/18

Left: 0.001+/-0.009 χ^2/NDF: 48.8/38

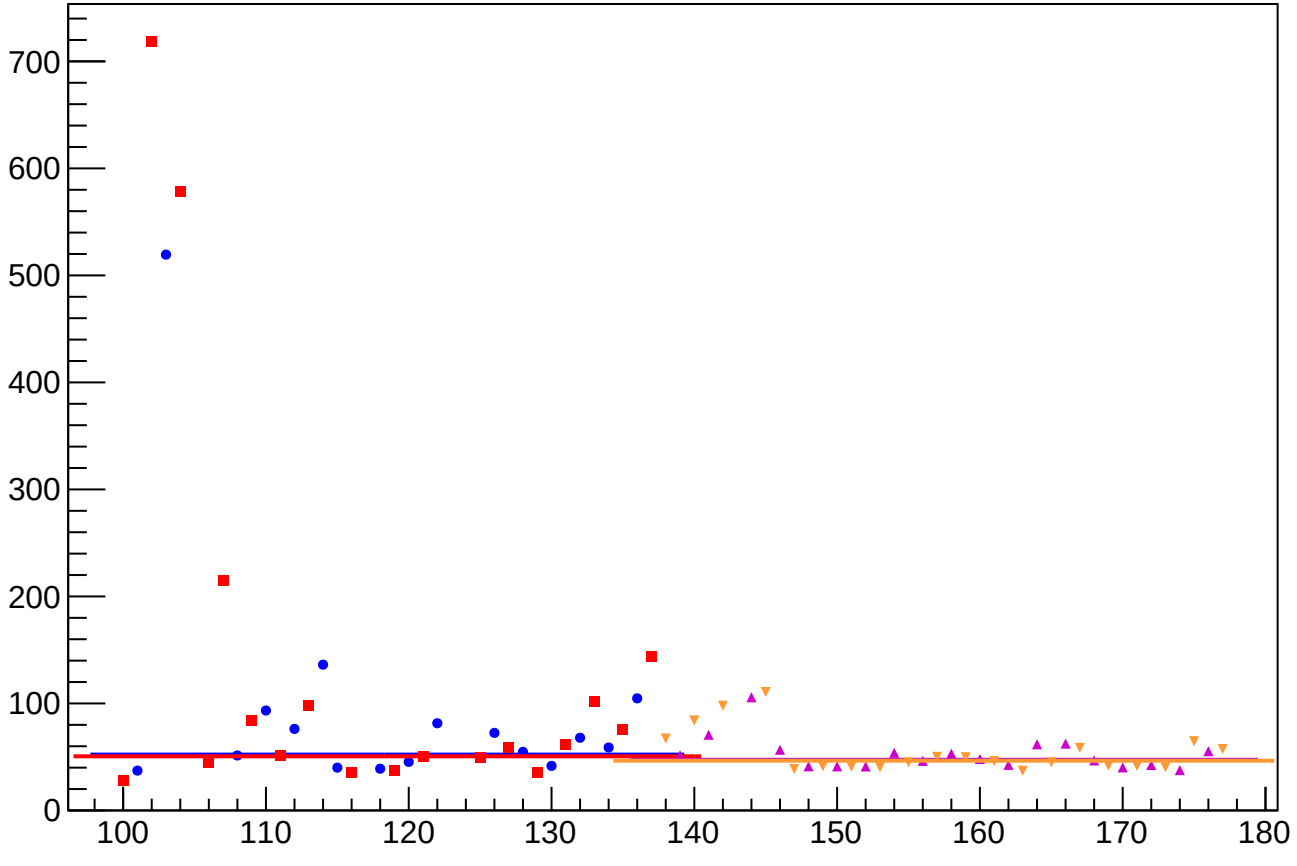
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.006+/-0.011 χ^2/NDF:33.8/34

Out: 0.002+/-0.011 χ^2/NDF:41.0/37

All: -0.002+/-0.008 χ^2/NDF: 75.1/72

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: 46.481+/-0.009 χ^2/NDF:1726219.2/19

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 47.318+/-0.009 χ^2/NDF:1209224.2/18

Left: 46.892+/-0.006 χ^2/NDF: 2939593.7/38

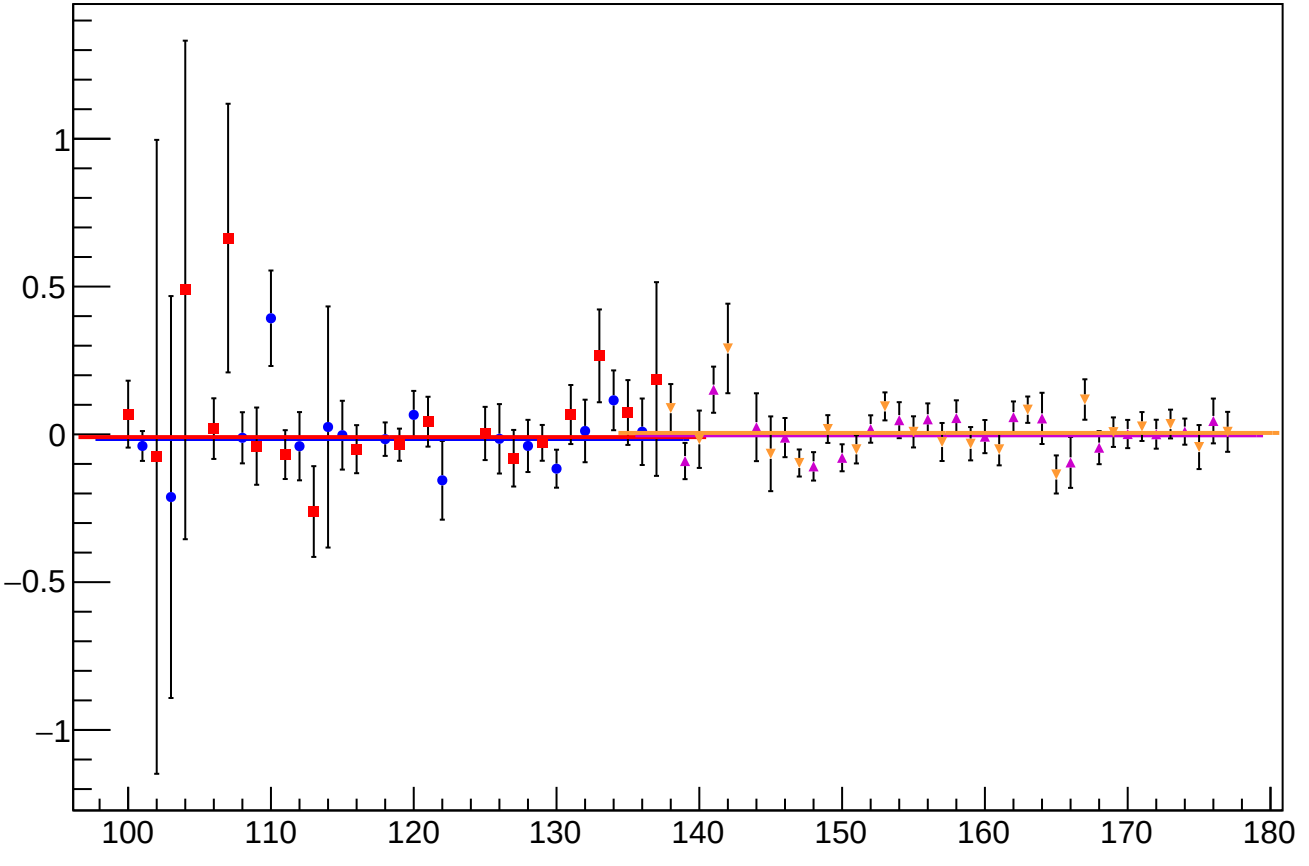
Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 48.543+/-0.008 χ^2/NDF:3545470.5/34

Out: 47.422+/-0.008 χ^2/NDF:4824131.1/37

All: 47.980+/-0.006 χ^2/NDF: 8379401.2/72

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.005+/-0.013 χ^2/NDF:28.2/19

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.003+/-0.013 χ^2/NDF:20.4/18

Left: 0.001+/-0.009 χ^2/NDF: 48.8/38

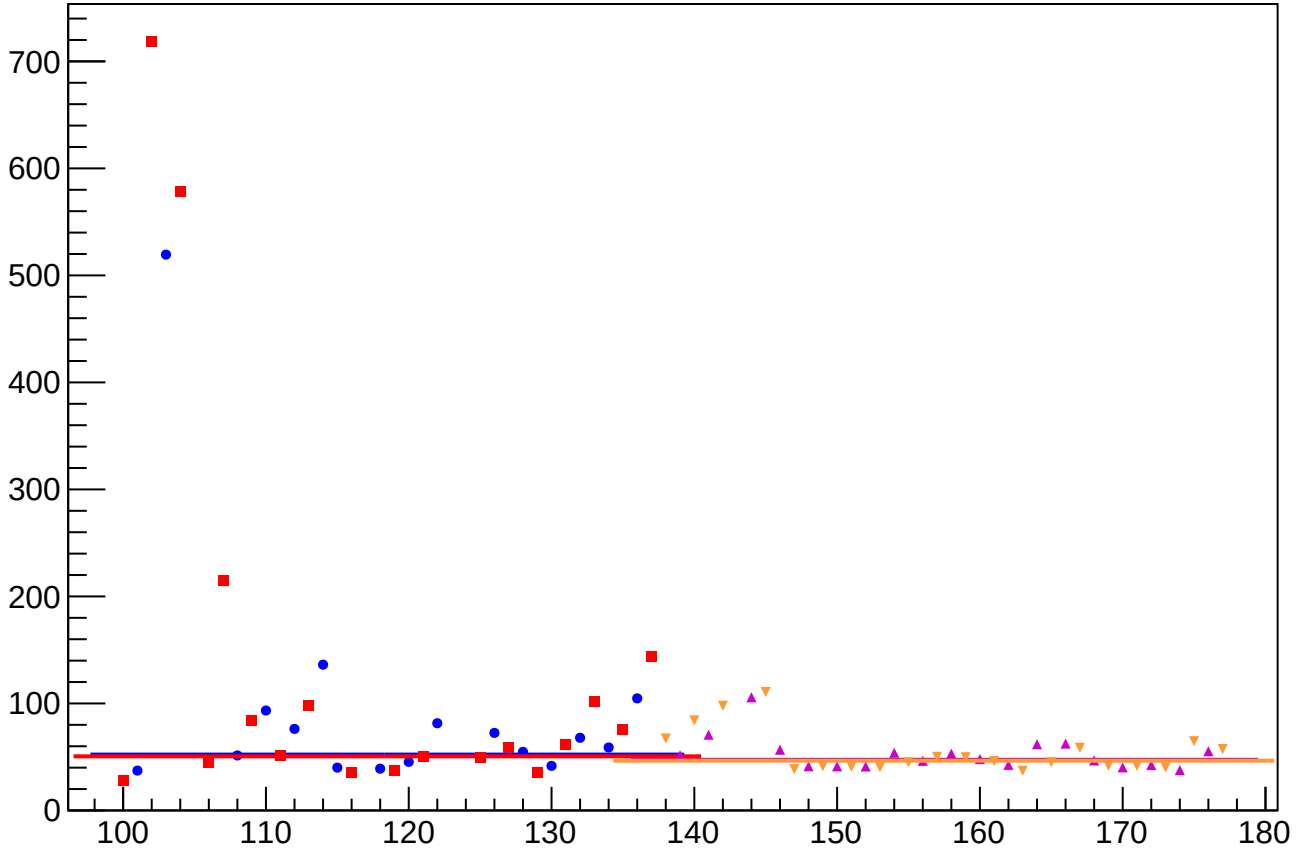
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.006+/-0.011 χ^2/NDF:33.8/34

Out: 0.002+/-0.011 χ^2/NDF:41.0/37

All: -0.002+/-0.008 χ^2/NDF: 75.1/72

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: 46.481+/-0.009 χ^2/NDF:1726219.2/19

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 47.318+/-0.009 χ^2/NDF:1209224.2/18

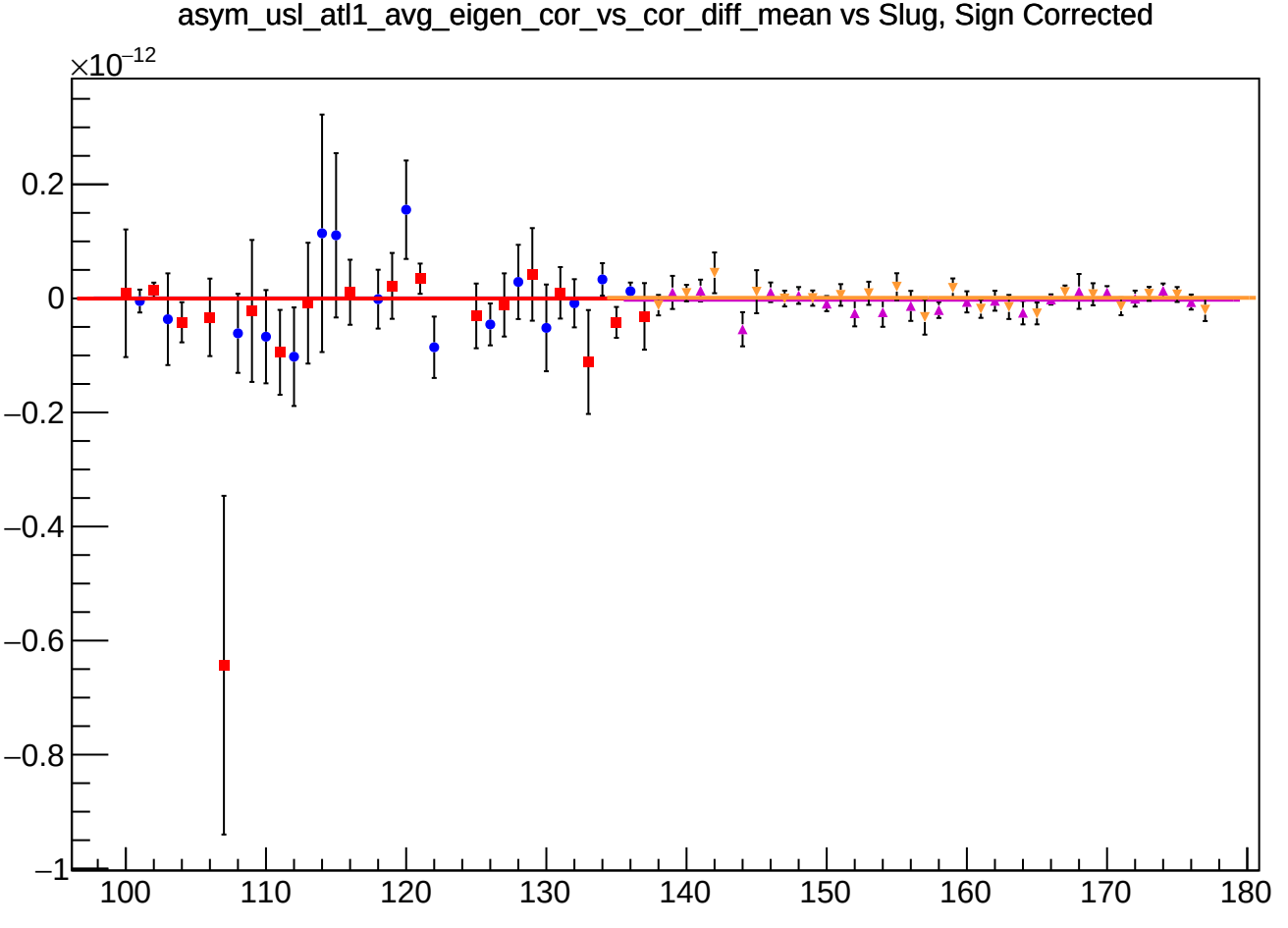
Left: 46.892+/-0.006 χ^2/NDF: 2939593.7/38

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 48.543+/-0.008 χ^2/NDF:3545470.5/34

Out: 47.422+/-0.008 χ^2/NDF:4824131.1/37

All: 47.980+/-0.006 χ^2/NDF: 8379401.2/72



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.1/19

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: -0.000+/-0.000 χ^2/NDF:13.1/18

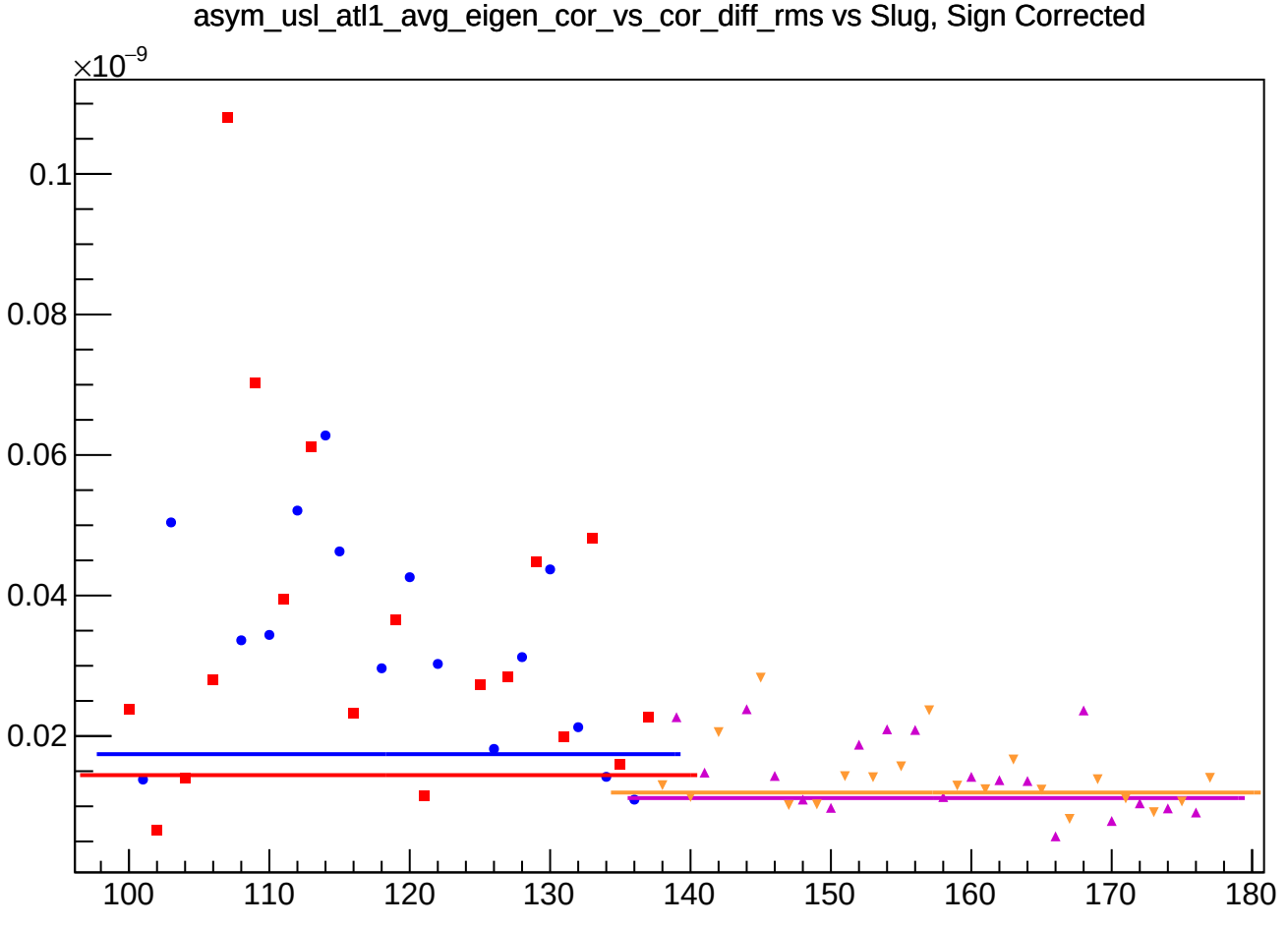
Left: -0.000+/-0.000 χ^2/NDF: 26.6/38

Right: -0.000+/-0.000 χ^2/NDF: 30.1/33

In: -0.000+/-0.000 χ^2/NDF:27.3/34

Out: 0.000+/-0.000 χ^2/NDF:29.1/37

All: -0.000+/-0.000 χ^2/NDF: 56.7/72



Right In: 0.000+/-0.000 χ^2/NDF: 2224531.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1449461.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3261103.3/17

Left In: 0.000+/-0.000 χ^2/NDF:3059583.6/18

Left: 0.000+/-0.000 χ^2/NDF: 4553752.2/38

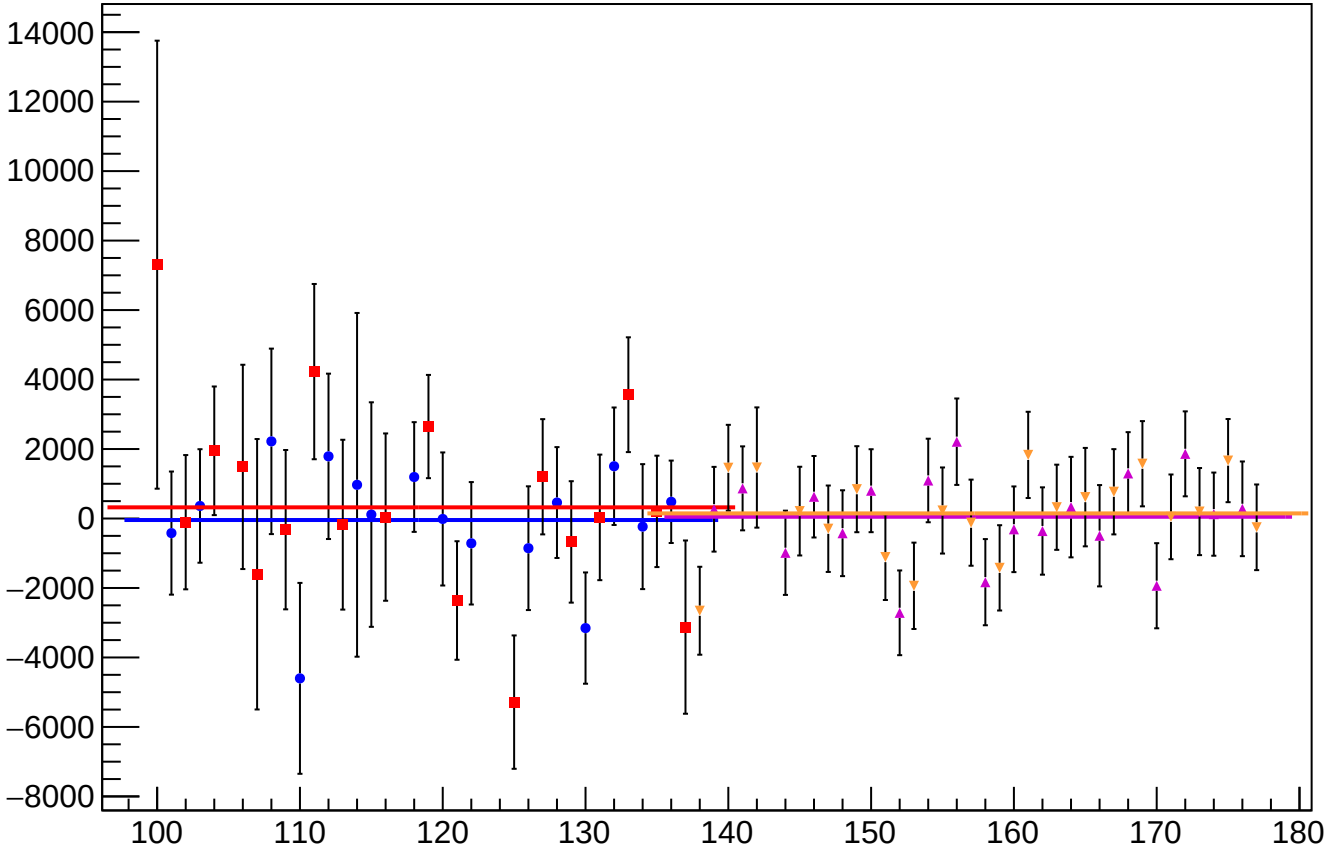
Right: 0.000+/-0.000 χ^2/NDF: 5591516.4/33

In: 0.000+/-0.000 χ^2/NDF:6054047.3/34

Out: 0.000+/-0.000 χ^2/NDF:4840743.2/37

All: 0.000+/-0.000 χ^2/NDF: 10905035.8/72

reg_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: 146.975+/-281.714 χ^2/NDF:17.9/19

Right Out: 321.266+/-474.939 χ^2/NDF: 24.8/17

Left In: 50.170+/-285.142 χ^2/NDF:19.5/18

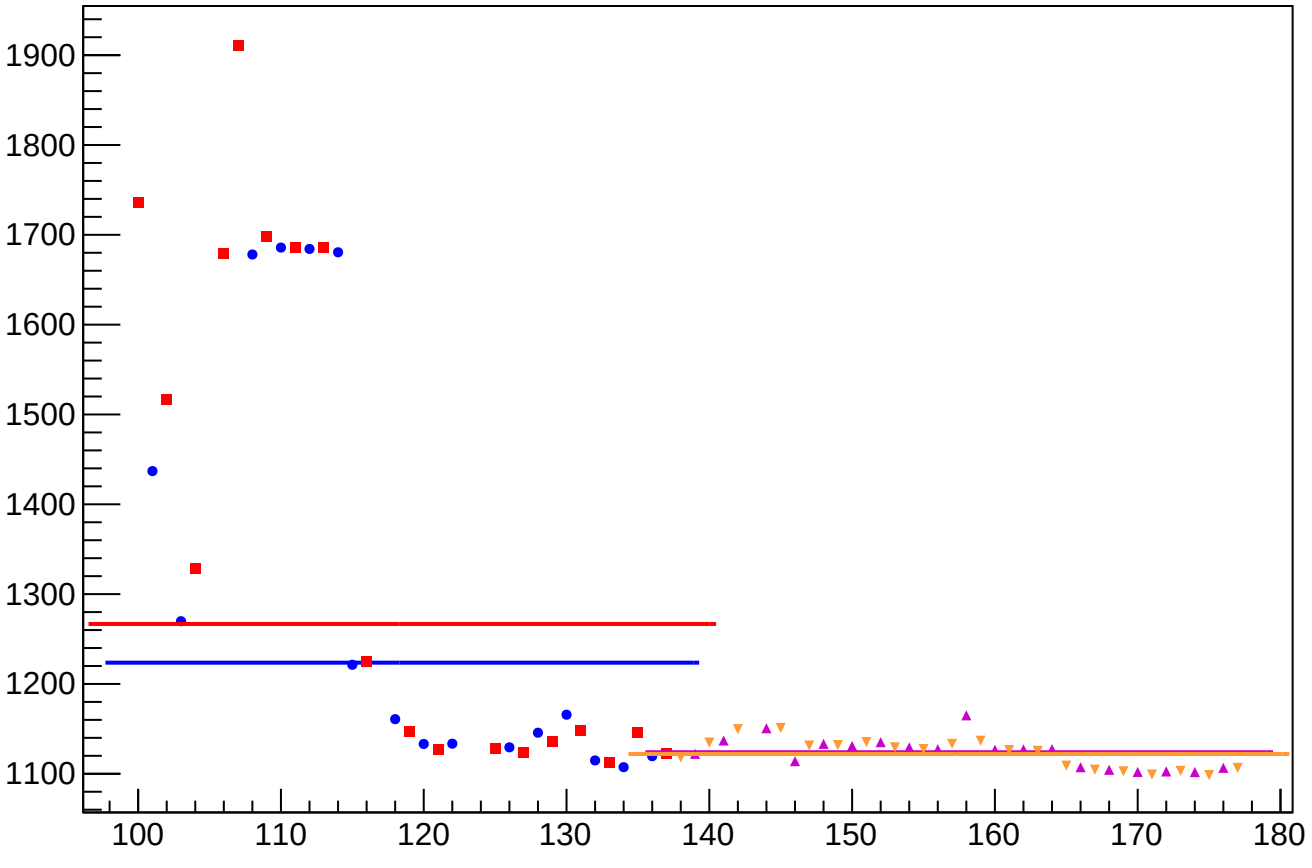
Left: 99.158+/-200.403 χ^2/NDF: 37.5/38

Right: 132.654+/-330.136 χ^2/NDF: 35.2/33

In: 24.055+/-242.242 χ^2/NDF:29.7/34

Out: 192.337+/-242.296 χ^2/NDF:42.8/37

All: 108.177+/-171.310 χ^2/NDF: 72.7/72



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1122.047+/-0.199 χ^2/NDF:6151.1/19

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

Left In: 1124.004+/-0.202 χ^2/NDF:7046.6/18

Left: 1123.014+/-0.142 χ^2/NDF: 13245.4/38

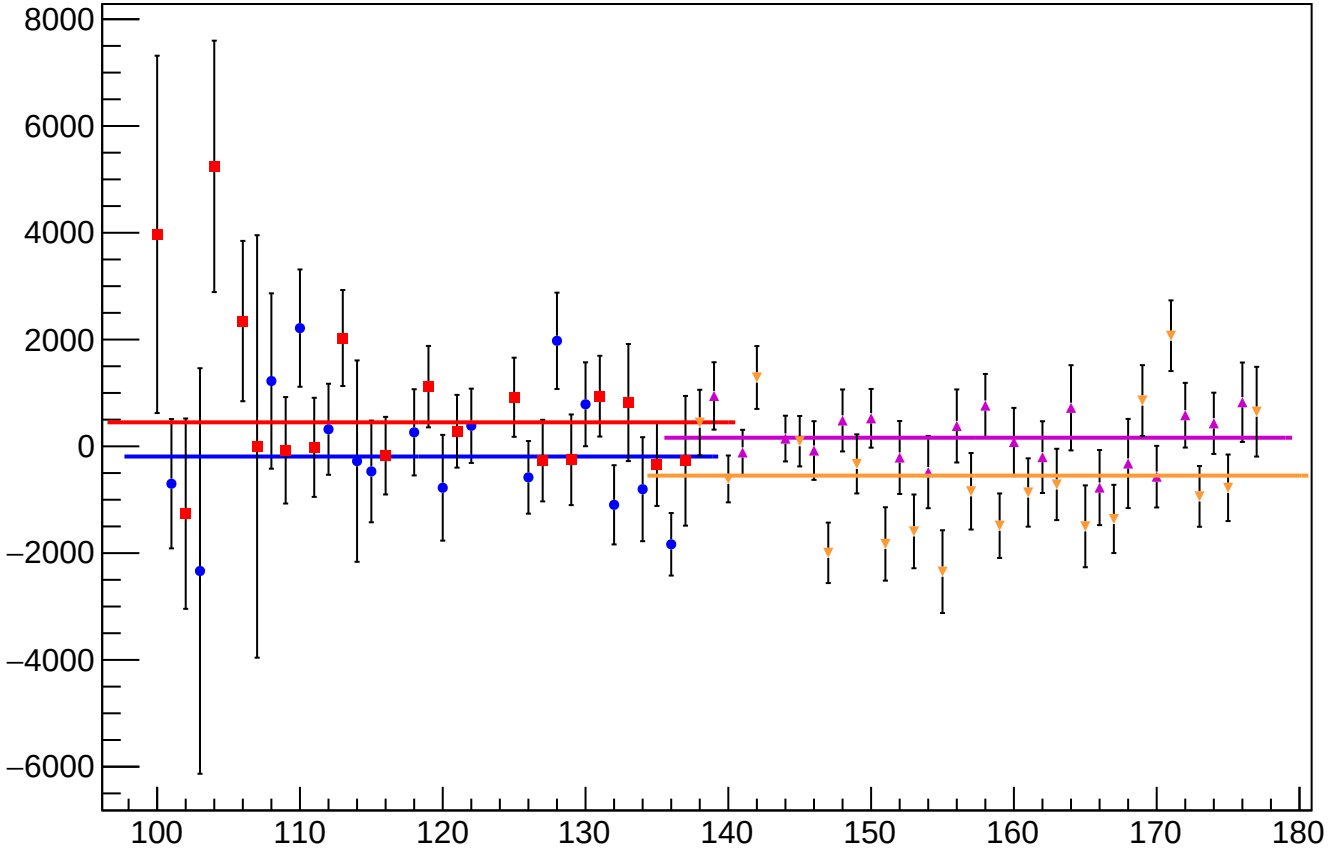
Right: 1244.518+/-0.233 χ^2/NDF: 736313.8/33

In: 1151.747+/-0.171 χ^2/NDF:370051.9/34

Out: 1159.716+/-0.171 χ^2/NDF:576388.9/37

All: 1155.731+/-0.121 χ^2/NDF: 947522.7/72

asym_usl_atl1_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -548.026+/-137.815 χ^2/NDF:60.9/19

Right Out: 449.847+/-223.203 χ^2/NDF: 16.8/17

Left In: 161.164+/-137.741 χ^2/NDF:11.2/18

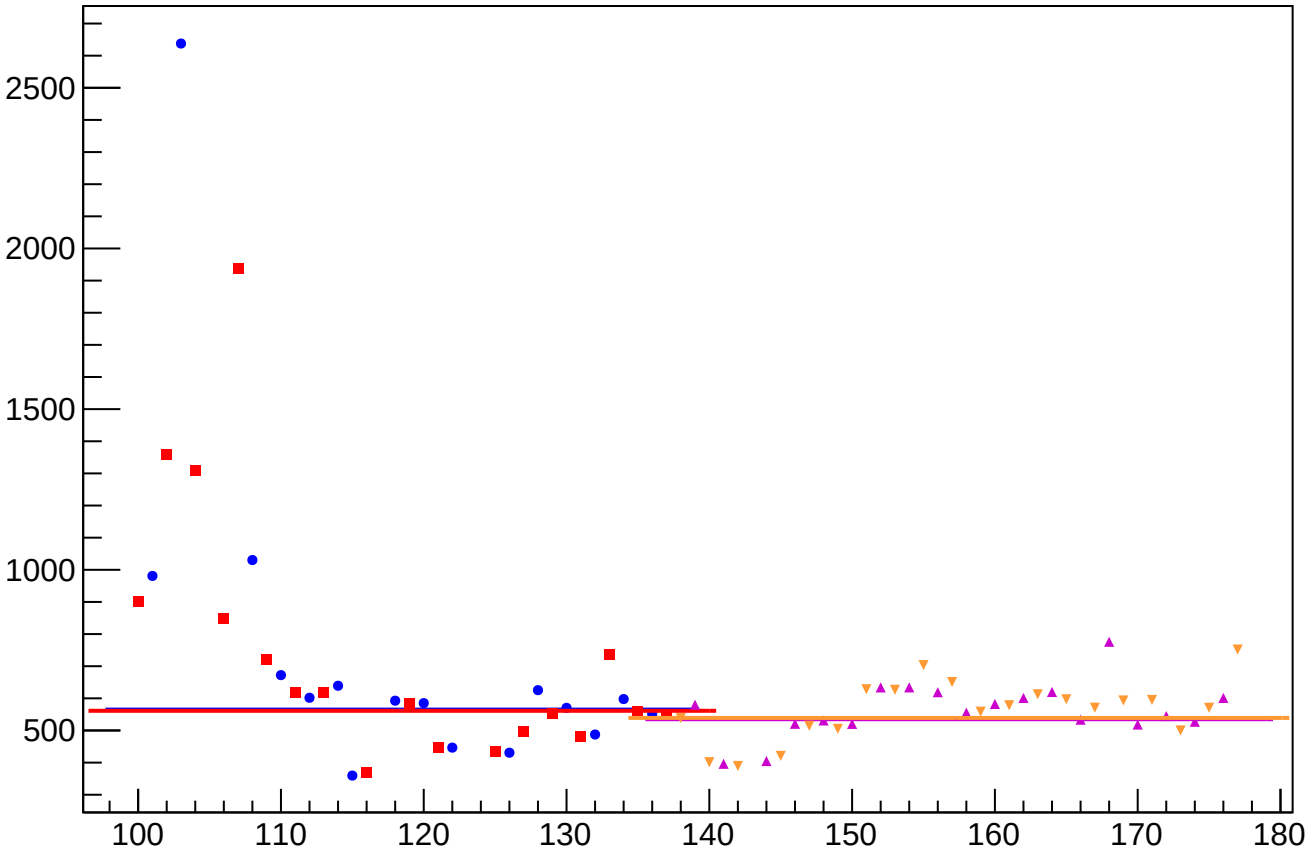
Left: -193.242+/-97.424 χ^2/NDF: 85.4/38

Right: 129.127+/-157.710 χ^2/NDF: 46.2/33

In: 63.929+/-117.170 χ^2/NDF:38.3/34

Out: -272.603+/-117.263 χ^2/NDF:92.2/37

All: -104.203+/-82.885 χ^2/NDF: 134.6/72



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 539.056+/-0.097 χ^2/NDF:888125.6/19

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

Left In: 535.067+/-0.097 χ^2/NDF:767568.8/18

Left: 537.061+/-0.069 χ^2/NDF: 1656532.6/38

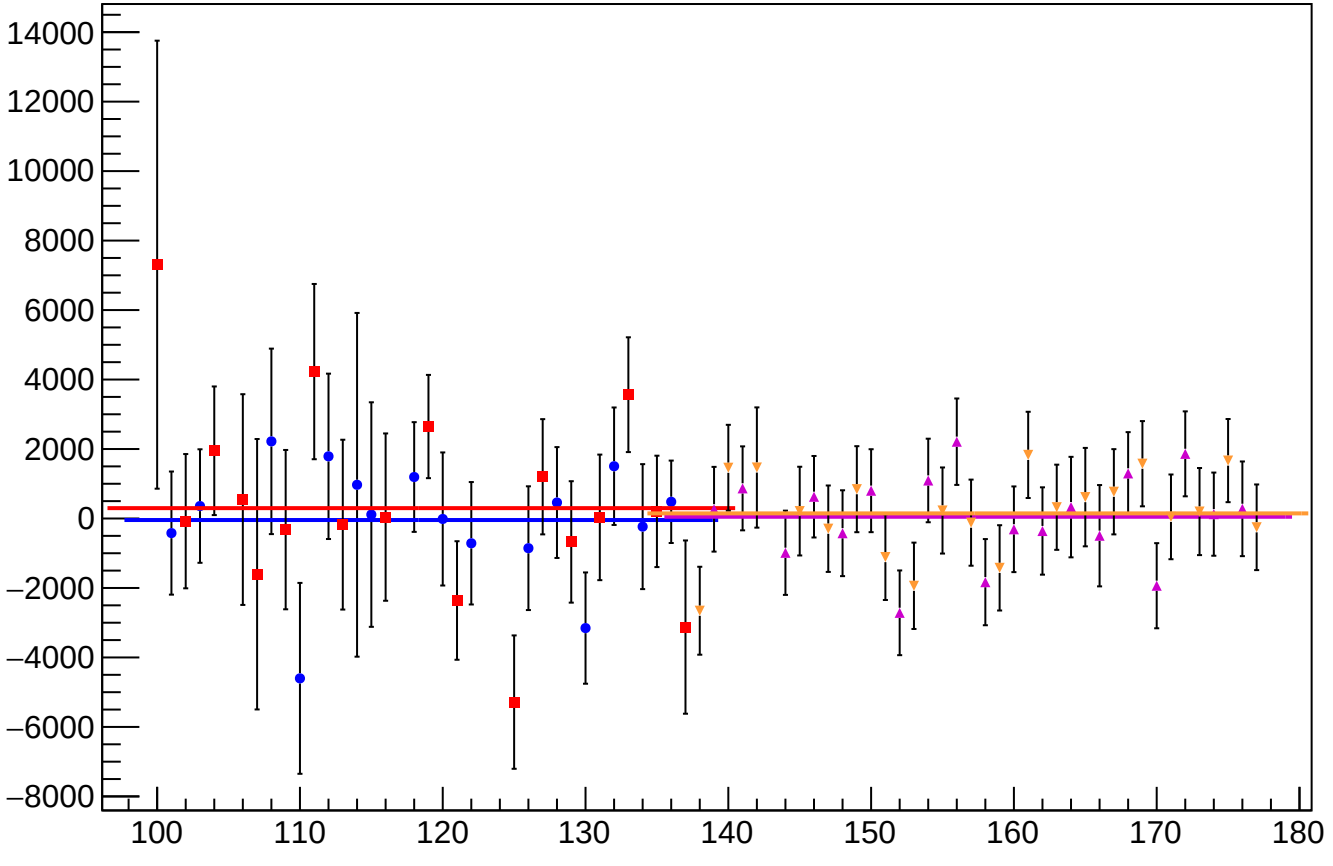
Right: 563.104+/-0.112 χ^2/NDF: 2636995.6/33

In: 543.329+/-0.083 χ^2/NDF:2078081.0/34

Out: 545.180+/-0.083 χ^2/NDF:2254672.7/37

All: 544.254+/-0.059 χ^2/NDF: 4333003.0/72

cor_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: 147.029+/-281.714 χ^2/NDF:17.9/19

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: 50.168+/-285.142 χ^2/NDF:19.5/18

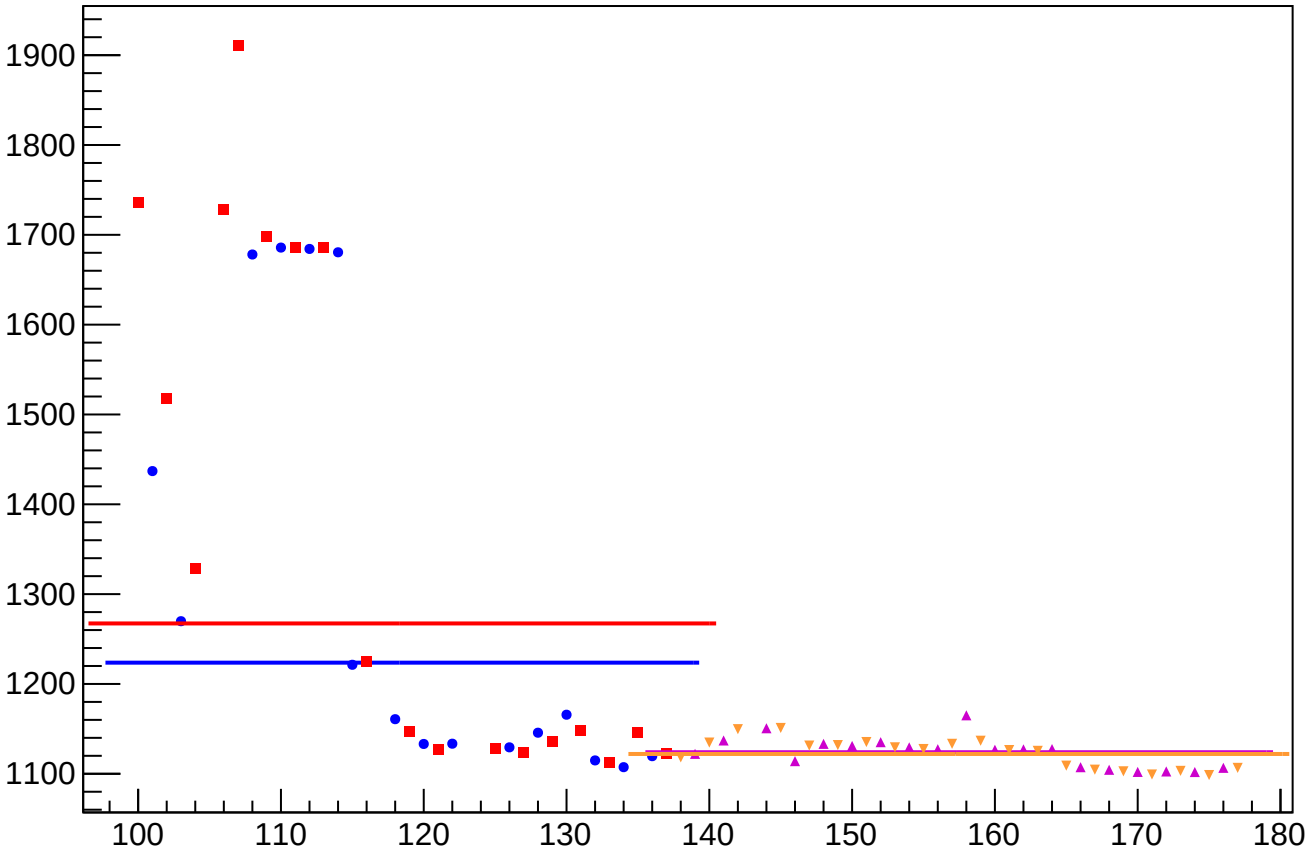
Left: 99.184+/-200.403 χ^2/NDF: 37.5/38

Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: 23.986+/-242.242 χ^2/NDF:29.7/34

Out: 186.330+/-242.346 χ^2/NDF:42.6/37

All: 105.123+/-171.328 χ^2/NDF: 72.5/72



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1122.047+/-0.199 χ^2/NDF:6151.1/19

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1124.004+/-0.202 χ^2/NDF:7046.6/18

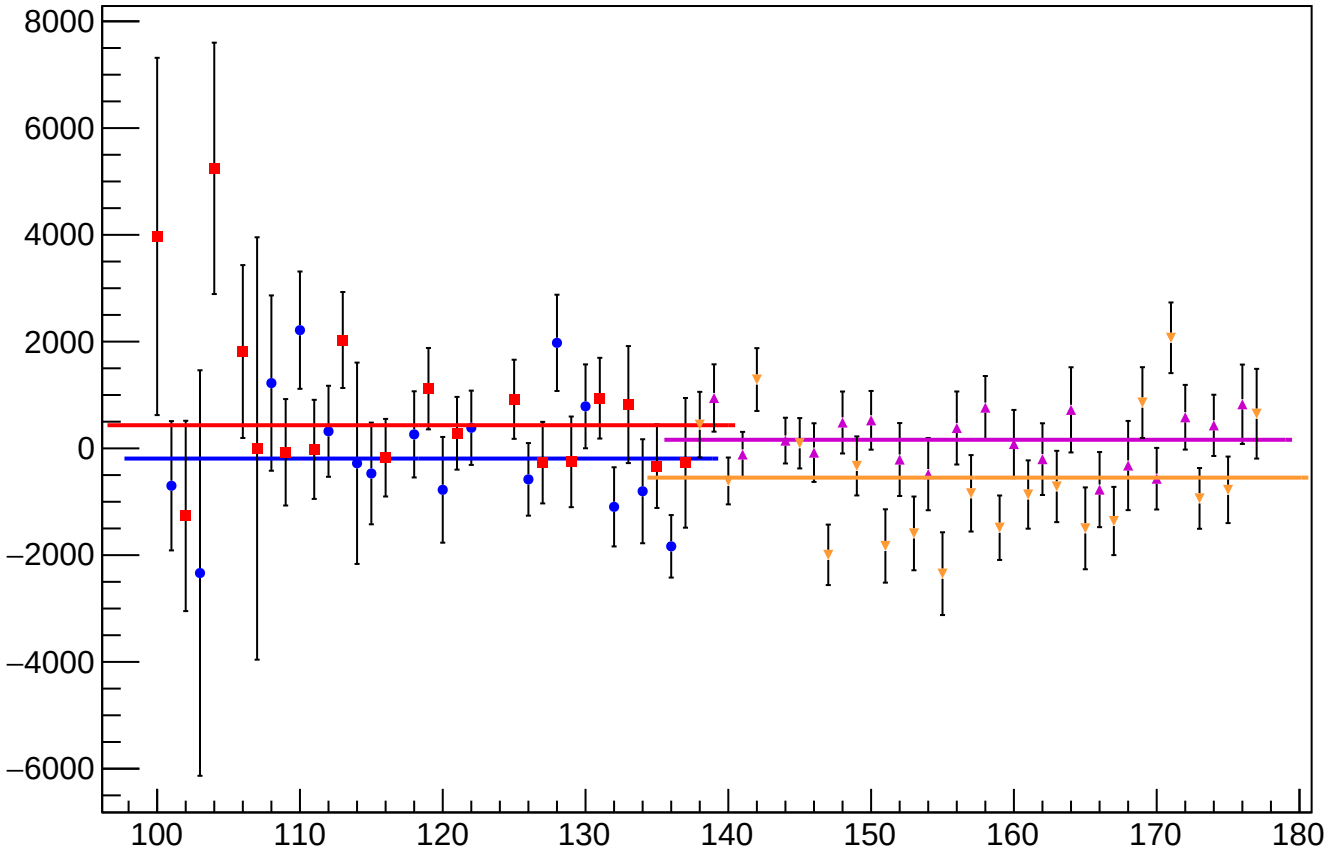
Left: 1123.014+/-0.142 χ^2/NDF: 13245.4/38

Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1151.748+/-0.171 χ^2/NDF:370052.0/34

Out: 1159.824+/-0.171 χ^2/NDF:584473.9/37

All: 1155.784+/-0.121 χ^2/NDF: 955637.0/72



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -548.042+/-137.814 χ^2/NDF:60.9/19

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 161.152+/-137.741 χ^2/NDF:11.2/18

Left: -193.256+/-97.423 χ^2/NDF: 85.4/38

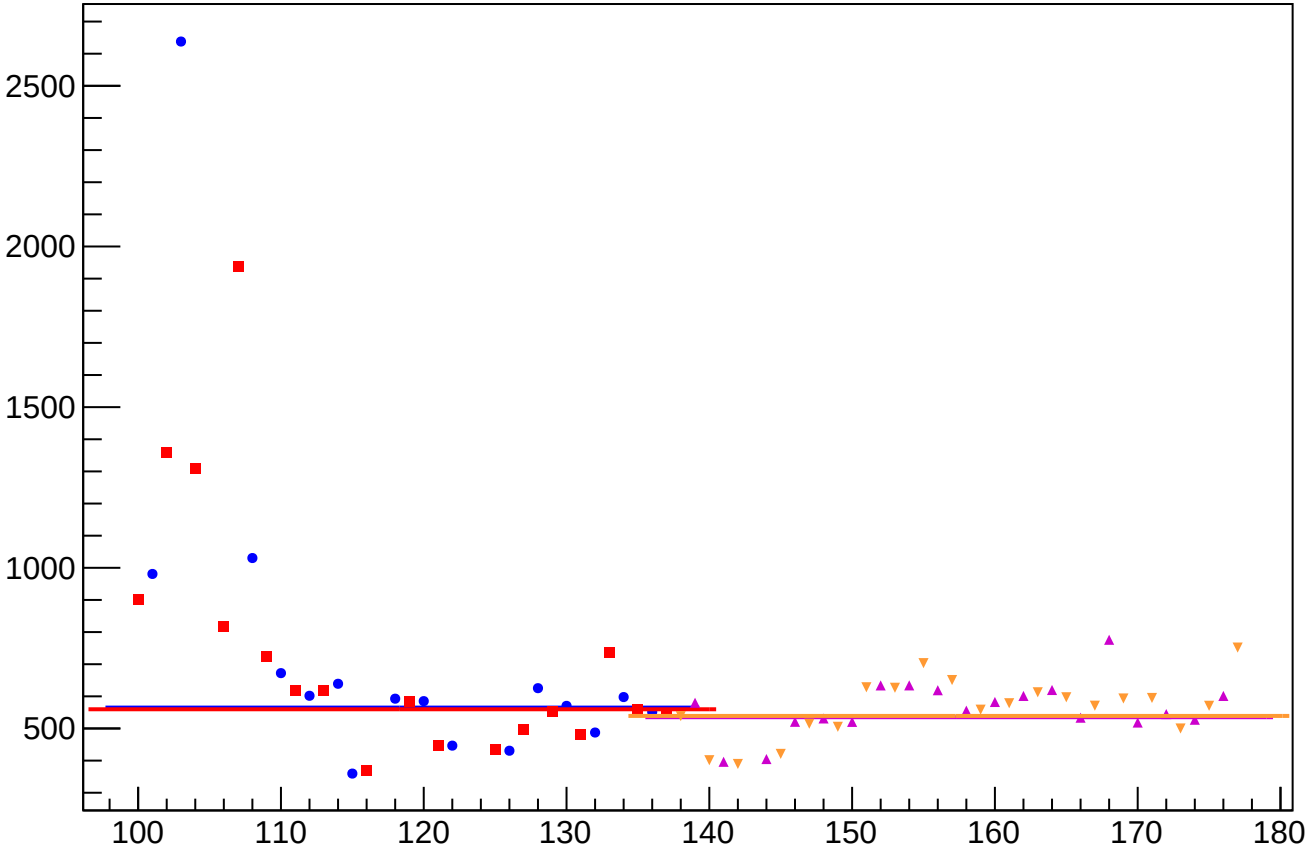
Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 63.917+/-117.169 χ^2/NDF:38.3/34

Out: -277.628+/-117.313 χ^2/NDF:90.8/37

All: -106.646+/-82.902 χ^2/NDF: 133.3/72

asym_usl_atl1_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 539.054+/-0.097 χ^2/NDF:888119.9/19

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 535.066+/-0.097 χ^2/NDF:767520.3/18

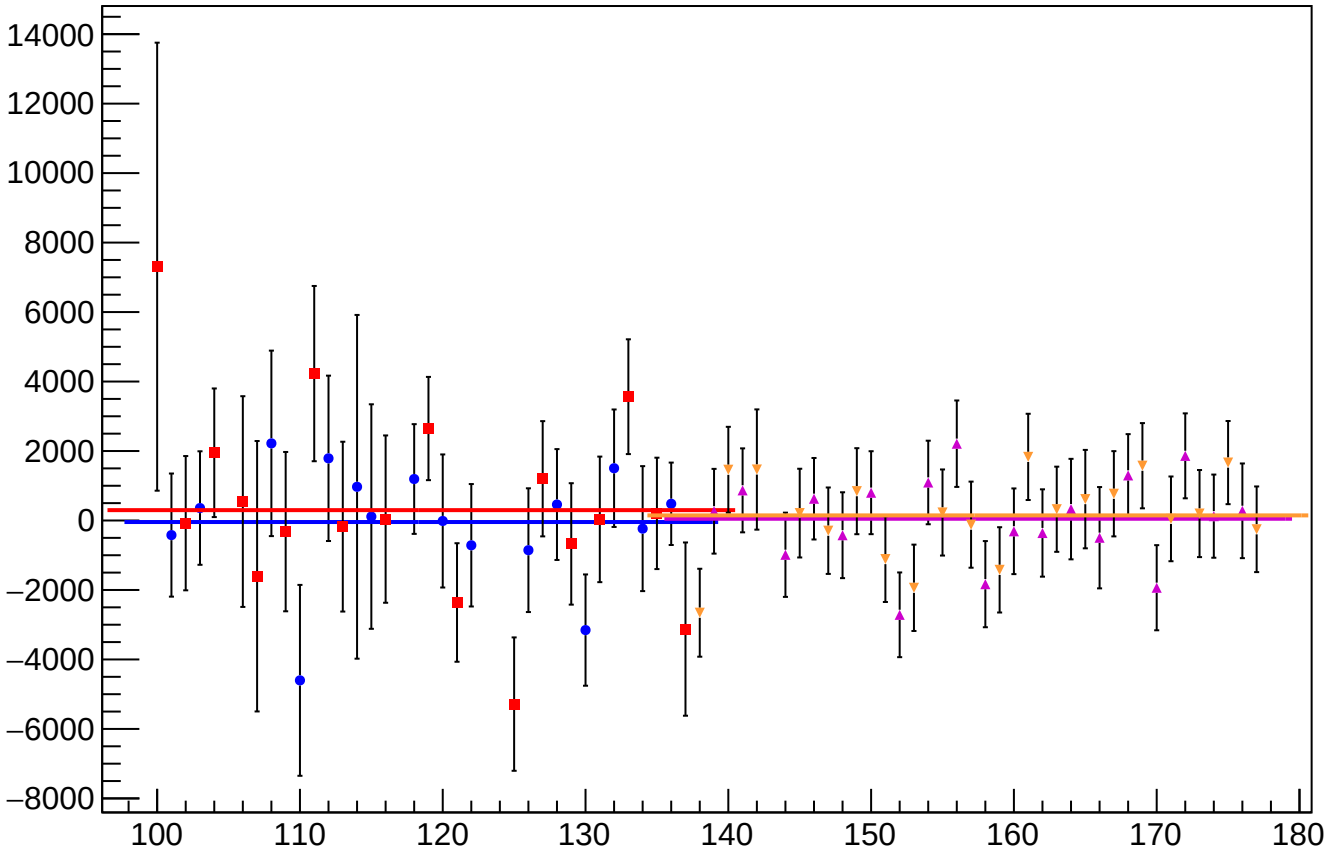
Left: 537.059+/-0.069 χ^2/NDF: 1656478.1/38

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 543.327+/-0.083 χ^2/NDF:2078003.5/34

Out: 544.756+/-0.083 χ^2/NDF:2229907.2/37

All: 544.041+/-0.059 χ^2/NDF: 4308059.2/72



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: 147.029+/-281.714 χ^2/NDF:17.9/19

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: 50.168+/-285.142 χ^2/NDF:19.5/18

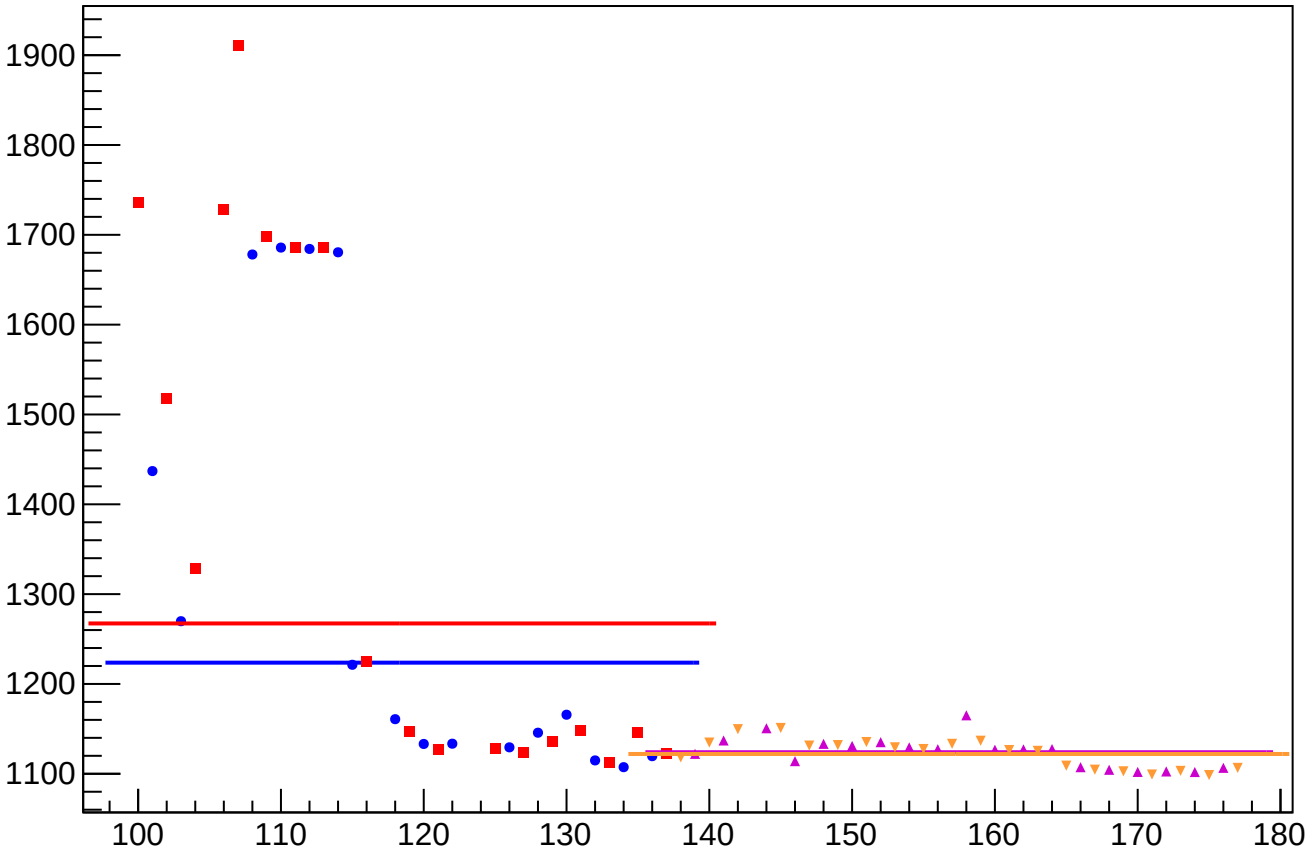
Left: 99.184+/-200.403 χ^2/NDF: 37.5/38

Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: 23.986+/-242.242 χ^2/NDF:29.7/34

Out: 186.330+/-242.346 χ^2/NDF:42.6/37

All: 105.123+/-171.328 χ^2/NDF: 72.5/72



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1122.047+/-0.199 χ^2/NDF:6151.1/19

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1124.004+/-0.202 χ^2/NDF:7046.6/18

Left: 1123.014+/-0.142 χ^2/NDF: 13245.4/38

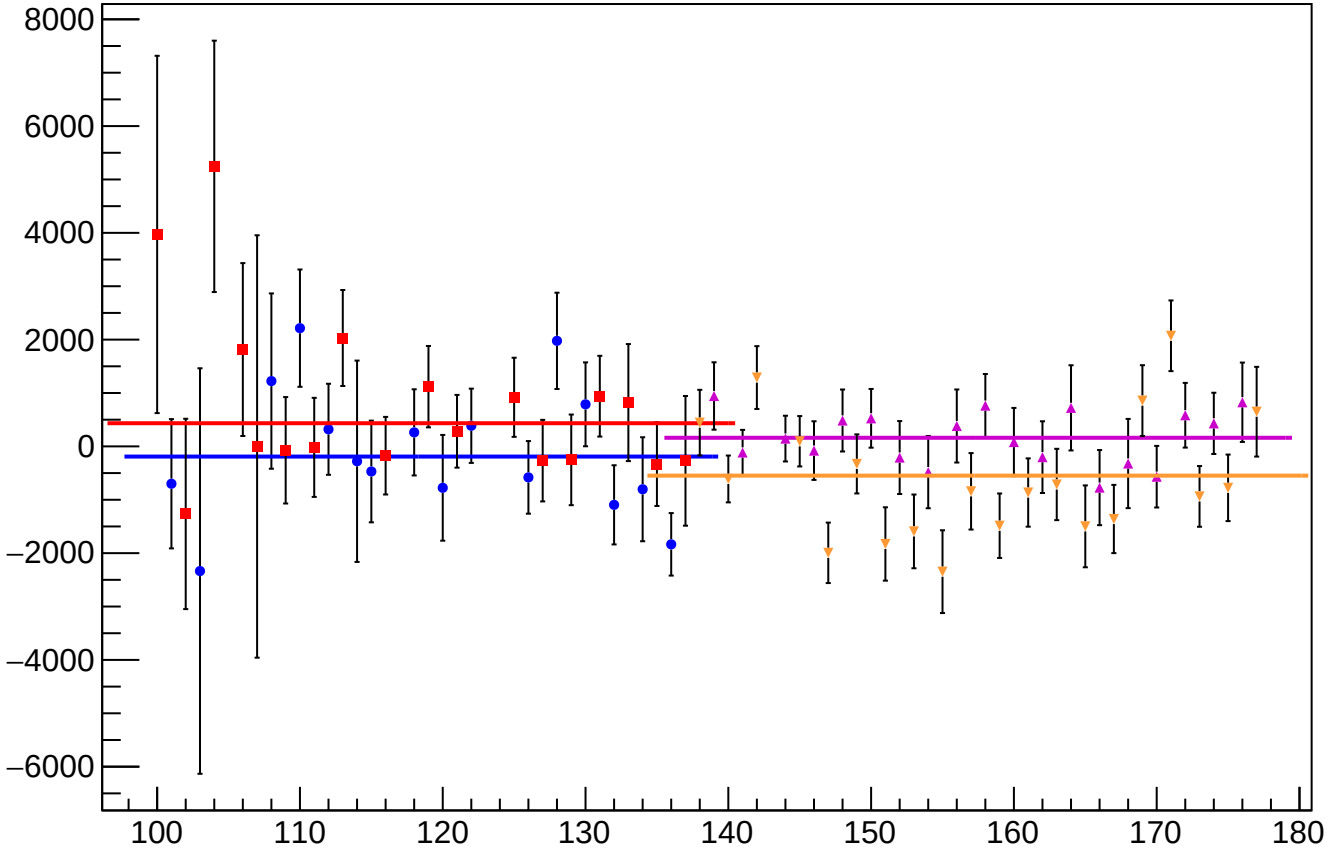
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1151.748+/-0.171 χ^2/NDF:370052.0/34

Out: 1159.824+/-0.171 χ^2/NDF:584473.9/37

All: 1155.784+/-0.121 χ^2/NDF: 955637.0/72

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: -548.042+/-137.814 χ^2/NDF:60.9/19

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 161.152+/-137.741 χ^2/NDF:11.2/18

Left: -193.256+/-97.423 χ^2/NDF: 85.4/38

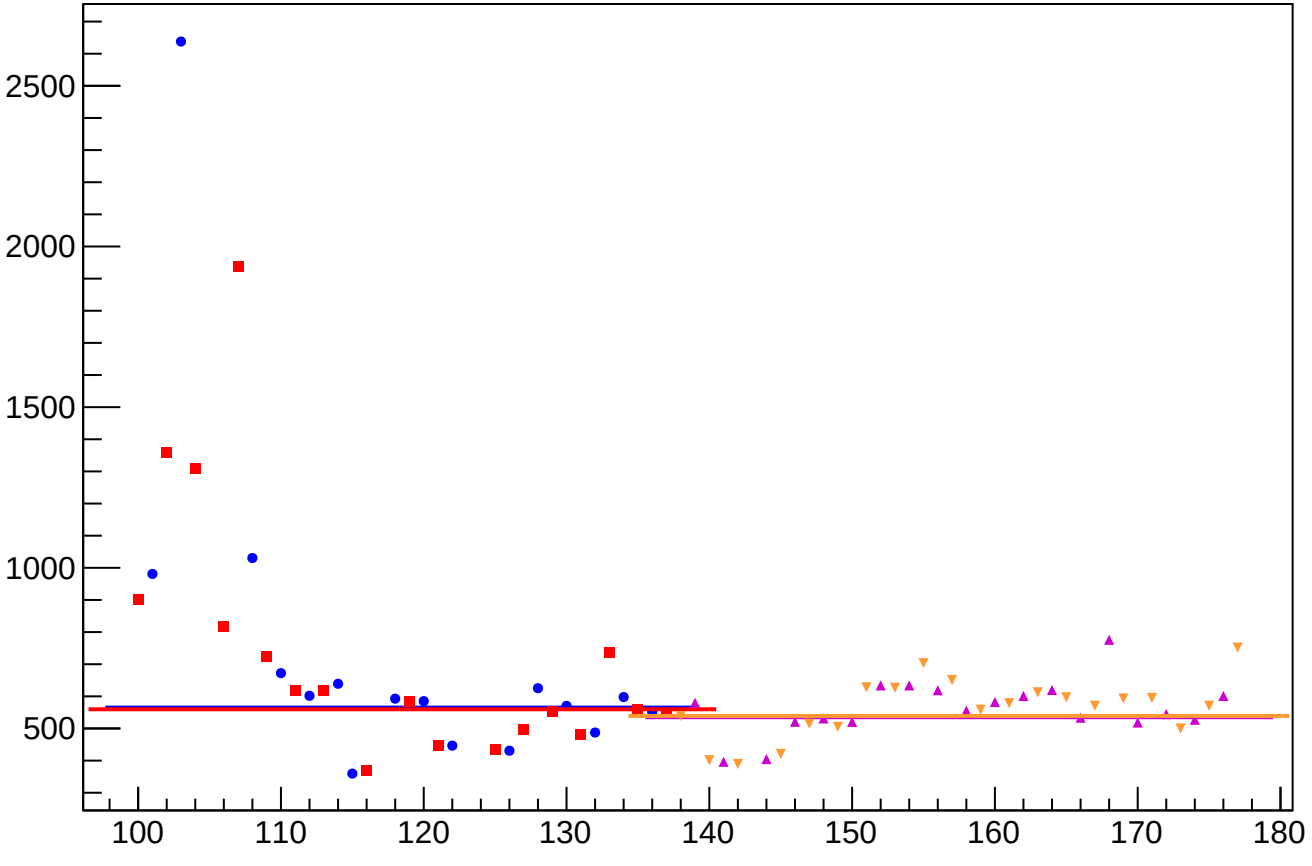
Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 63.917+/-117.169 χ^2/NDF:38.3/34

Out: -277.628+/-117.313 χ^2/NDF:90.8/37

All: -106.646+/-82.902 χ^2/NDF: 133.3/72

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: 539.054+/-0.097 χ^2/NDF:888119.9/19

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 535.066+/-0.097 χ^2/NDF:767520.3/18

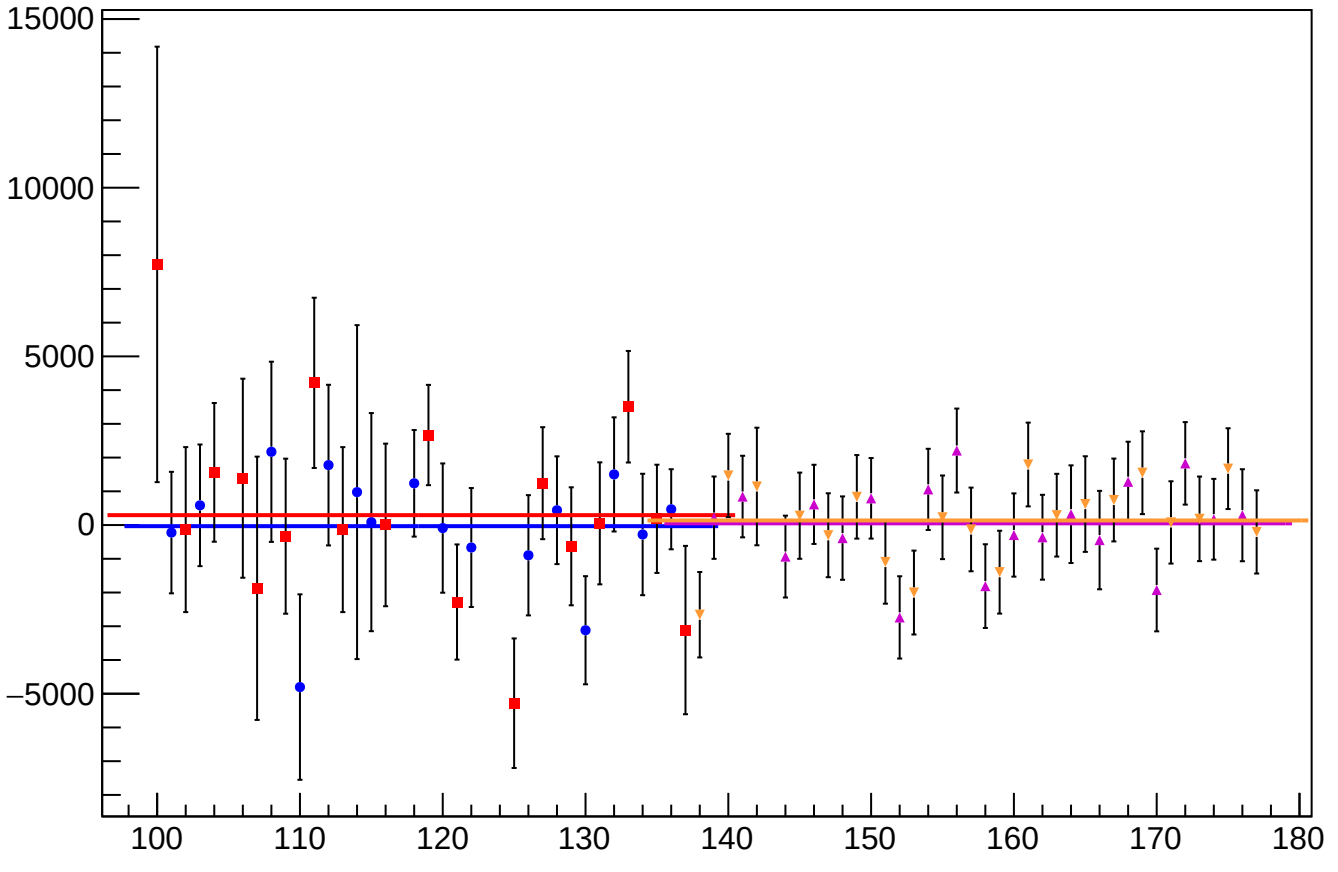
Left: 537.059+/-0.069 χ^2/NDF: 1656478.1/38

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 543.327+/-0.083 χ^2/NDF:2078003.5/34

Out: 544.756+/-0.083 χ^2/NDF:2229907.2/37

All: 544.041+/-0.059 χ^2/NDF: 4308059.2/72



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: 136.481+/-281.880 χ^2/NDF:17.6/19

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: 50.939+/-285.258 χ^2/NDF:19.2/18

Left: 94.219+/-200.503 χ^2/NDF: 36.8/38

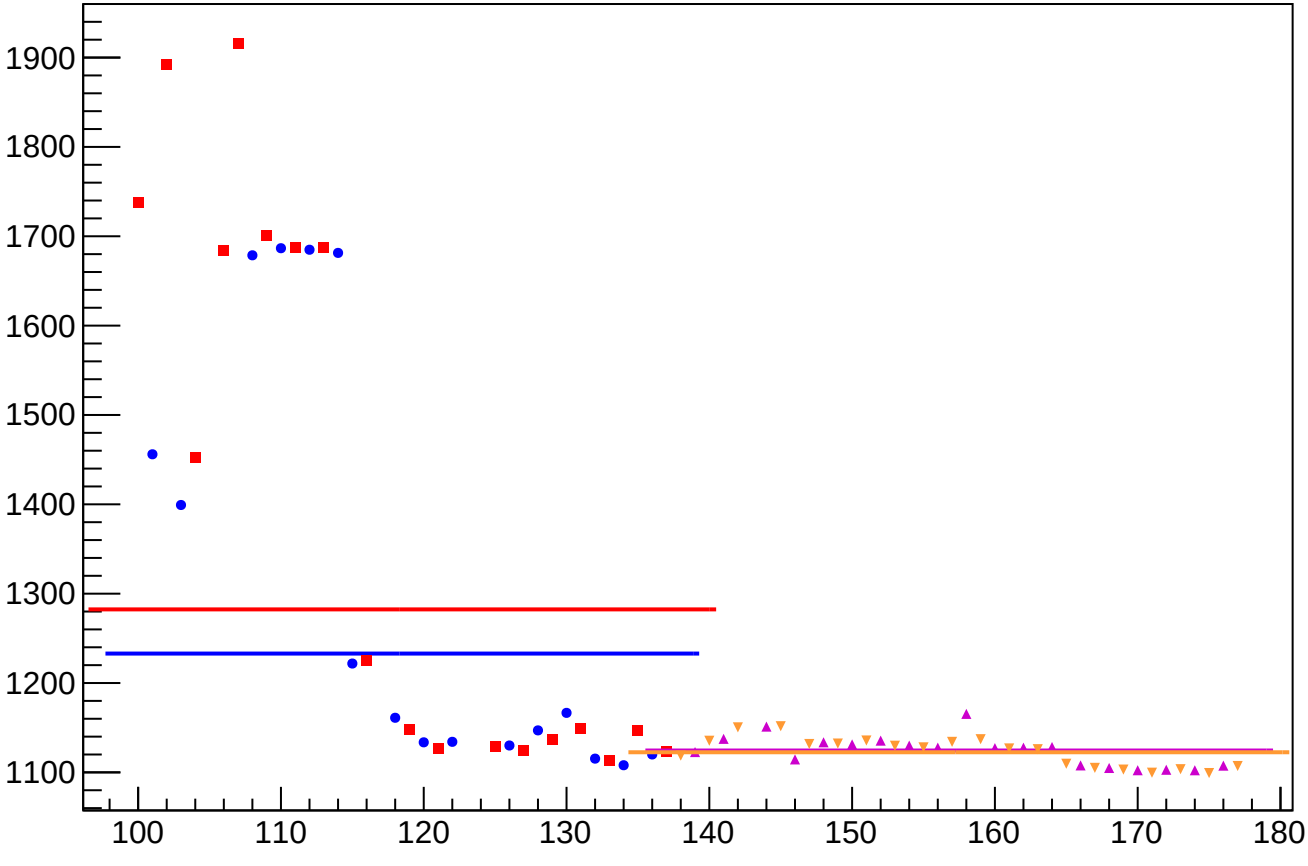
Right: 123.056+/-334.596 χ^2/NDF: 34.7/33

In: 27.842+/-242.895 χ^2/NDF:29.5/34

Out: 176.241+/-243.561 χ^2/NDF:41.9/37

All: 101.839+/-171.988 χ^2/NDF: 71.6/72

dit_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1122.512+/-0.199 χ^2/NDF:6147.8/19

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

Left In: 1124.463+/-0.202 χ^2/NDF:7033.3/18

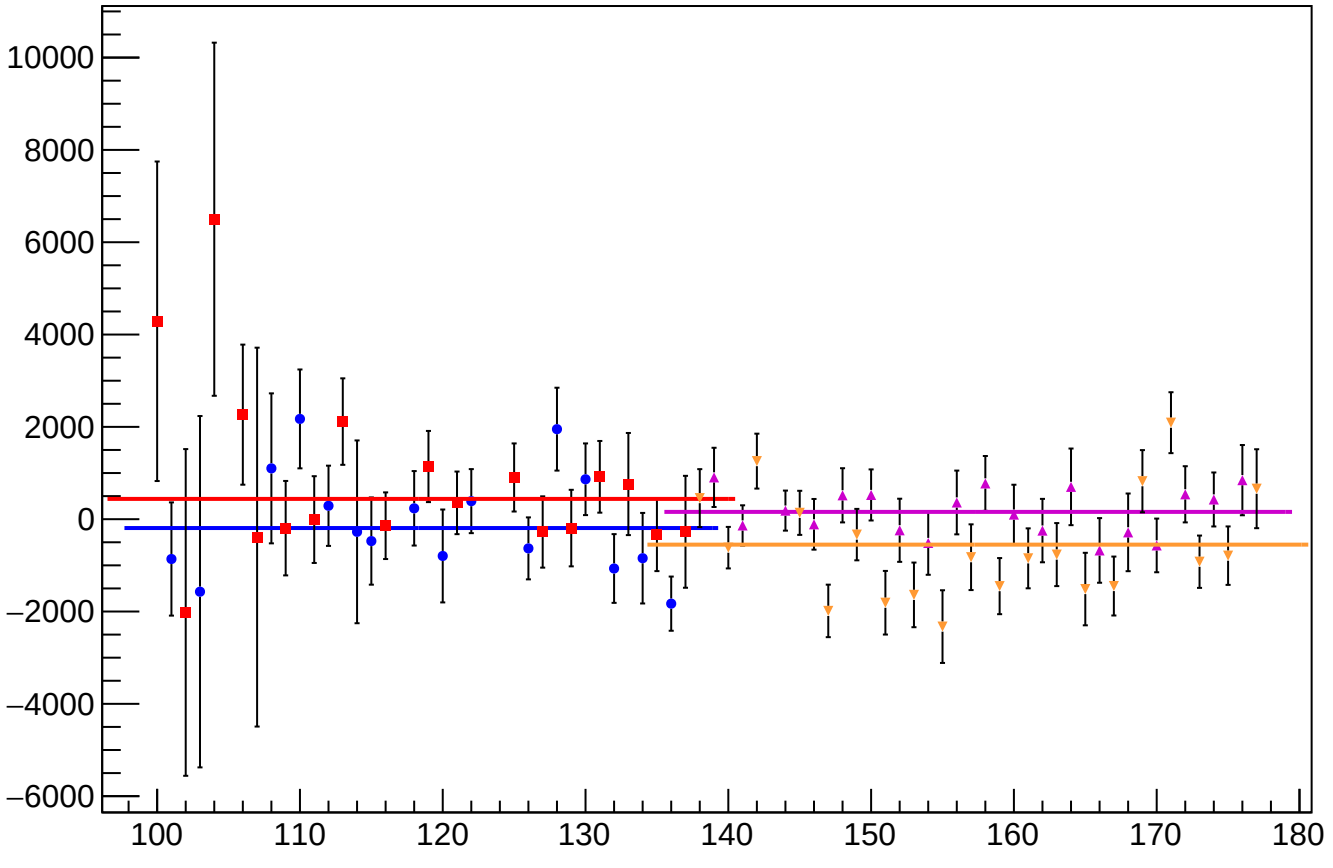
Left: 1123.476+/-0.142 χ^2/NDF: 13228.4/38

Right: 1256.610+/-0.237 χ^2/NDF: 869771.1/33

In: 1154.297+/-0.172 χ^2/NDF:402064.8/34

Out: 1163.030+/-0.172 χ^2/NDF:712625.1/37

All: 1158.652+/-0.122 χ^2/NDF: 1115979.2/72



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: -551.176+/-139.327 χ^2/NDF:60.2/19

Right Out: 439.610+/-226.600 χ^2/NDF: 14.6/17

Left In: 158.265+/-139.502 χ^2/NDF:10.8/18

Left: -196.900+/-98.581 χ^2/NDF: 83.9/38

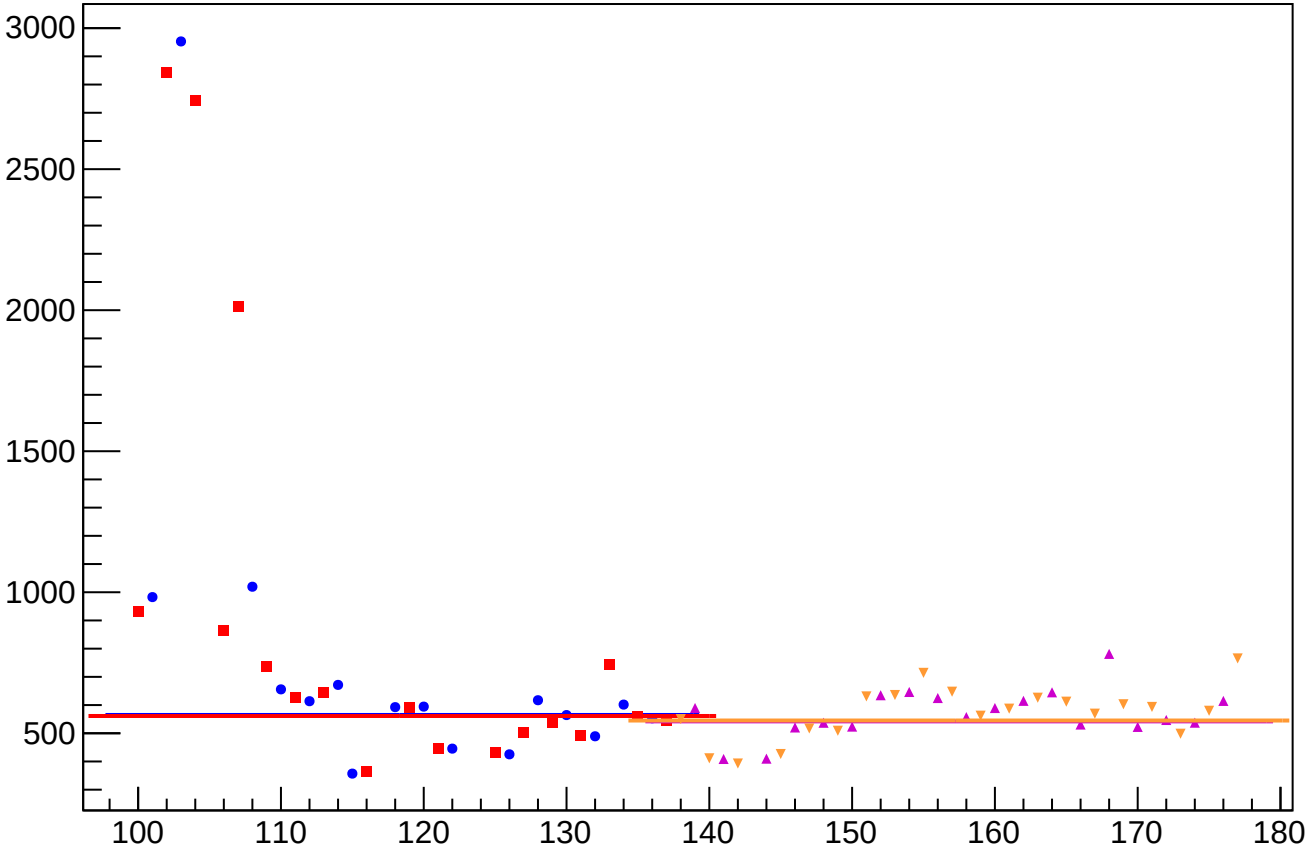
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: 59.730+/-118.232 χ^2/NDF:37.8/34

Out: -279.366+/-118.687 χ^2/NDF:88.7/37

All: -109.166+/-83.763 χ^2/NDF: 130.6/72

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: 545.217+/-0.099 χ^2/NDF:876347.3/19

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

Left In: 542.207+/-0.099 χ^2/NDF:748318.3/18

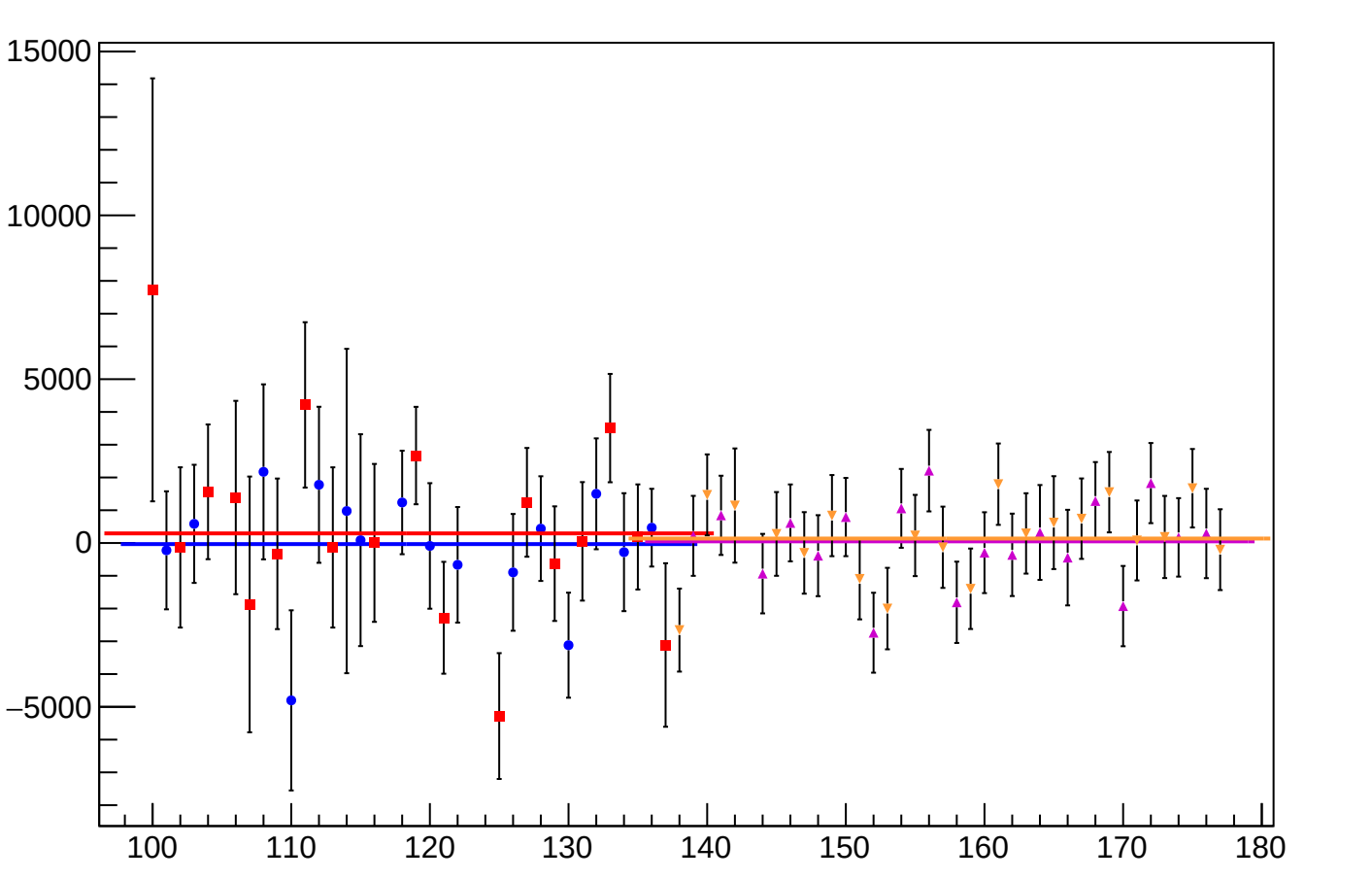
Left: 543.714+/-0.070 χ^2/NDF: 1625131.7/38

Right: 563.103+/-0.112 χ^2/NDF: 3754003.6/33

In: 548.591+/-0.084 χ^2/NDF:2243564.2/34

Out: 549.622+/-0.084 χ^2/NDF:3157005.8/37

All: 549.104+/-0.059 χ^2/NDF: 5400645.7/72



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: 136.479+/-281.880 χ^2/NDF:17.6/19

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: 50.939+/-285.258 χ^2/NDF:19.2/18

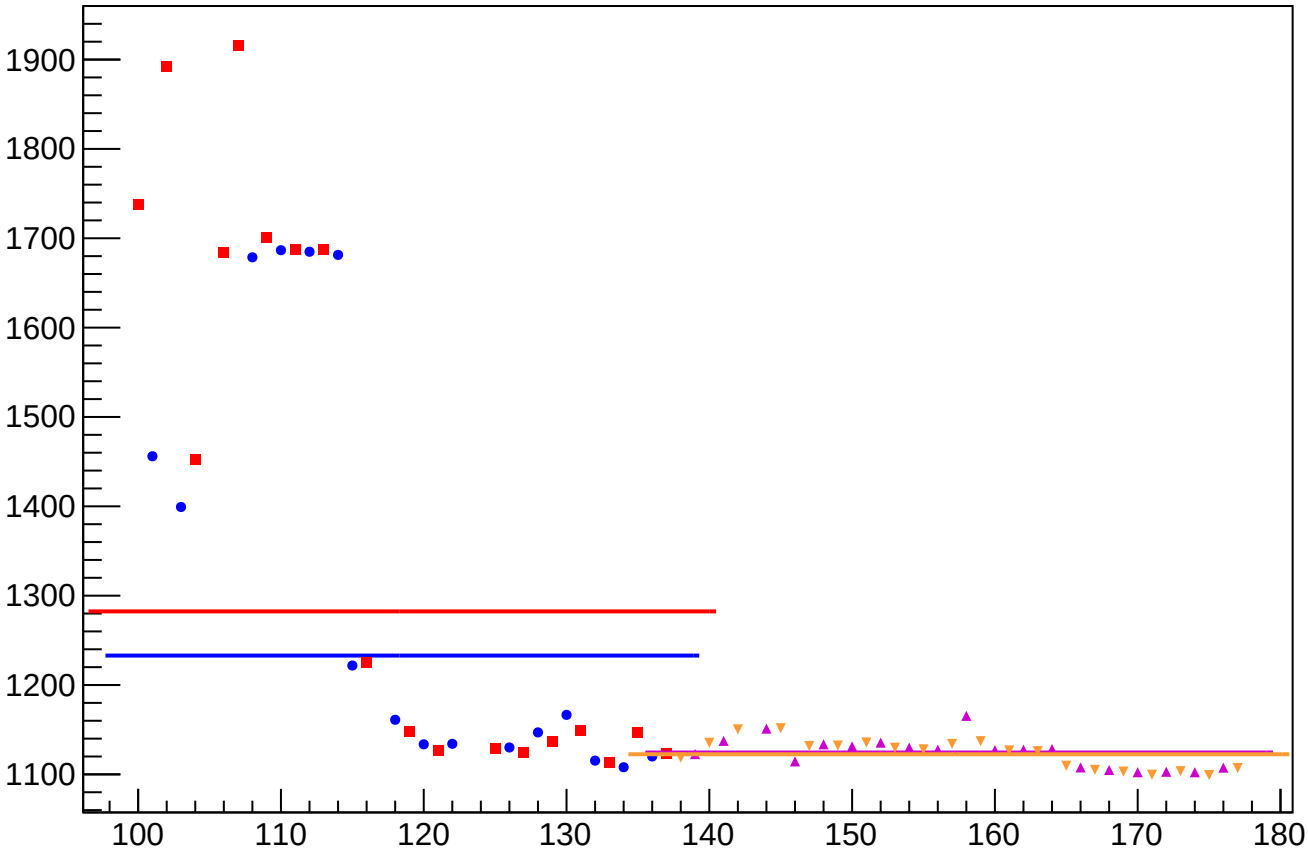
Left: 94.219+/-200.503 χ^2/NDF: 36.8/38

Right: 123.057+/-334.596 χ^2/NDF: 34.7/33

In: 27.843+/-242.895 χ^2/NDF:29.5/34

Out: 176.240+/-243.561 χ^2/NDF:41.9/37

All: 101.838+/-171.988 χ^2/NDF: 71.6/72



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1122.512+/-0.199 χ^2/NDF:6147.8/19

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

Left In: 1124.463+/-0.202 χ^2/NDF:7033.3/18

Left: 1123.476+/-0.142 χ^2/NDF: 13228.4/38

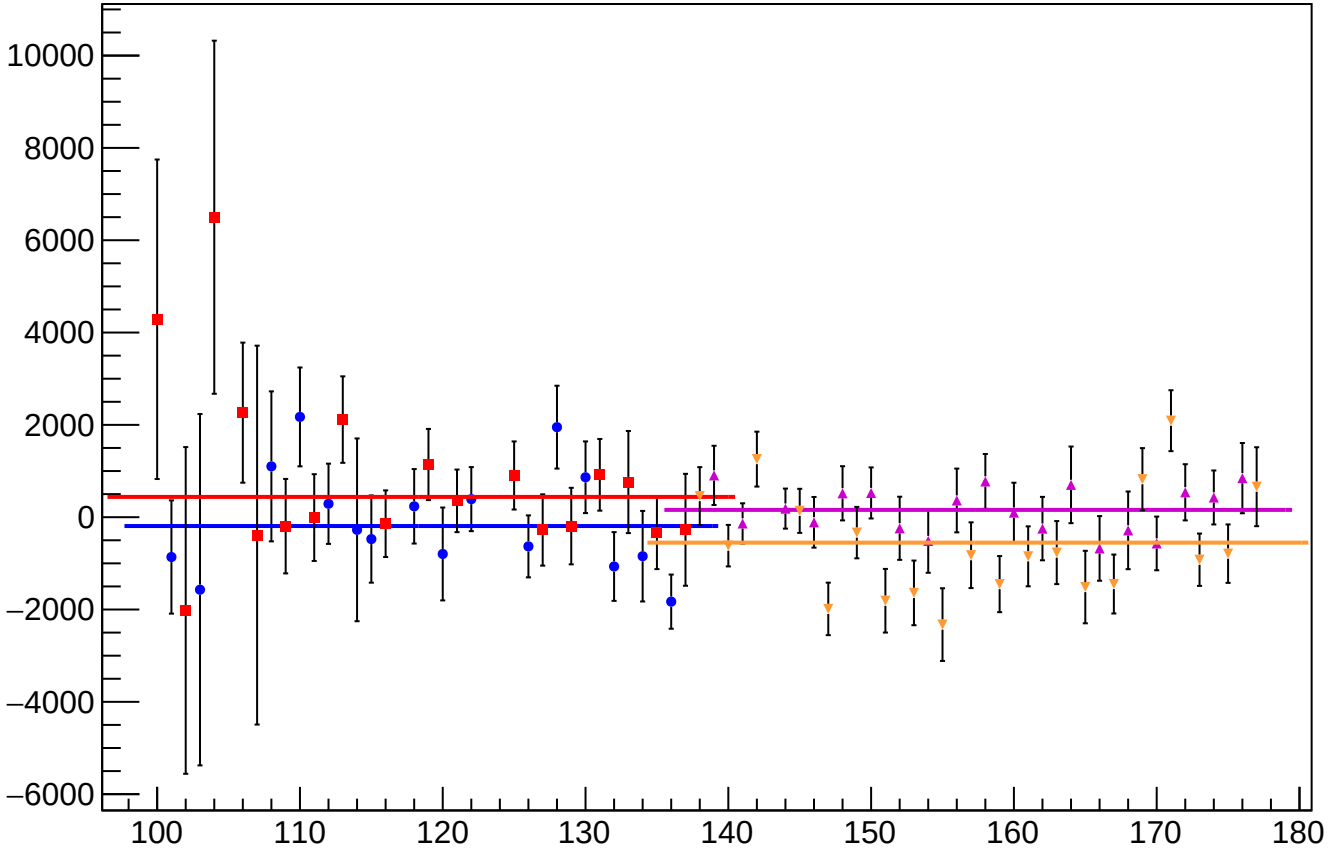
Right: 1256.610+/-0.237 χ^2/NDF: 869770.2/33

In: 1154.297+/-0.172 χ^2/NDF:402064.3/34

Out: 1163.030+/-0.172 χ^2/NDF:712624.4/37

All: 1158.652+/-0.122 χ^2/NDF: 1115978.0/72

asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -191.527+/-222.763 χ^2/NDF: 25.3/15

Left Out: -551.175+/-139.327 χ^2/NDF:60.2/19

Right Out: 439.611+/-226.600 χ^2/NDF: 14.6/17

Left In: 158.265+/-139.502 χ^2/NDF:10.8/18

Left: -196.899+/-98.581 χ^2/NDF: 83.9/38

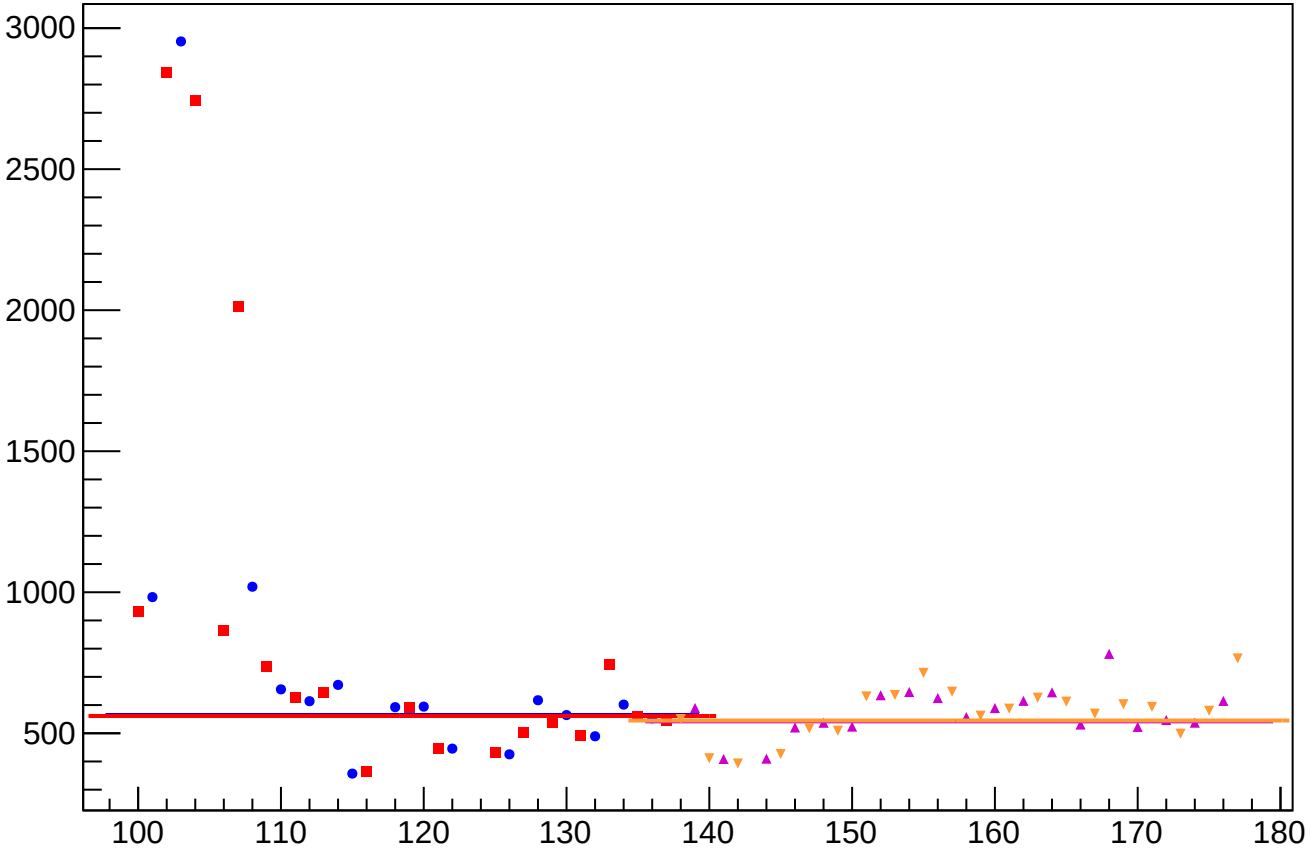
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: 59.730+/-118.232 χ^2/NDF:37.8/34

Out: -279.365+/-118.687 χ^2/NDF:88.7/37

All: -109.166+/-83.763 χ^2/NDF: 130.6/72

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: 545.216+/-0.099 χ^2/NDF:876366.1/19

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

Left In: 542.206+/-0.099 χ^2/NDF:748330.8/18

Left: 543.713+/-0.070 χ^2/NDF: 1625163.0/38

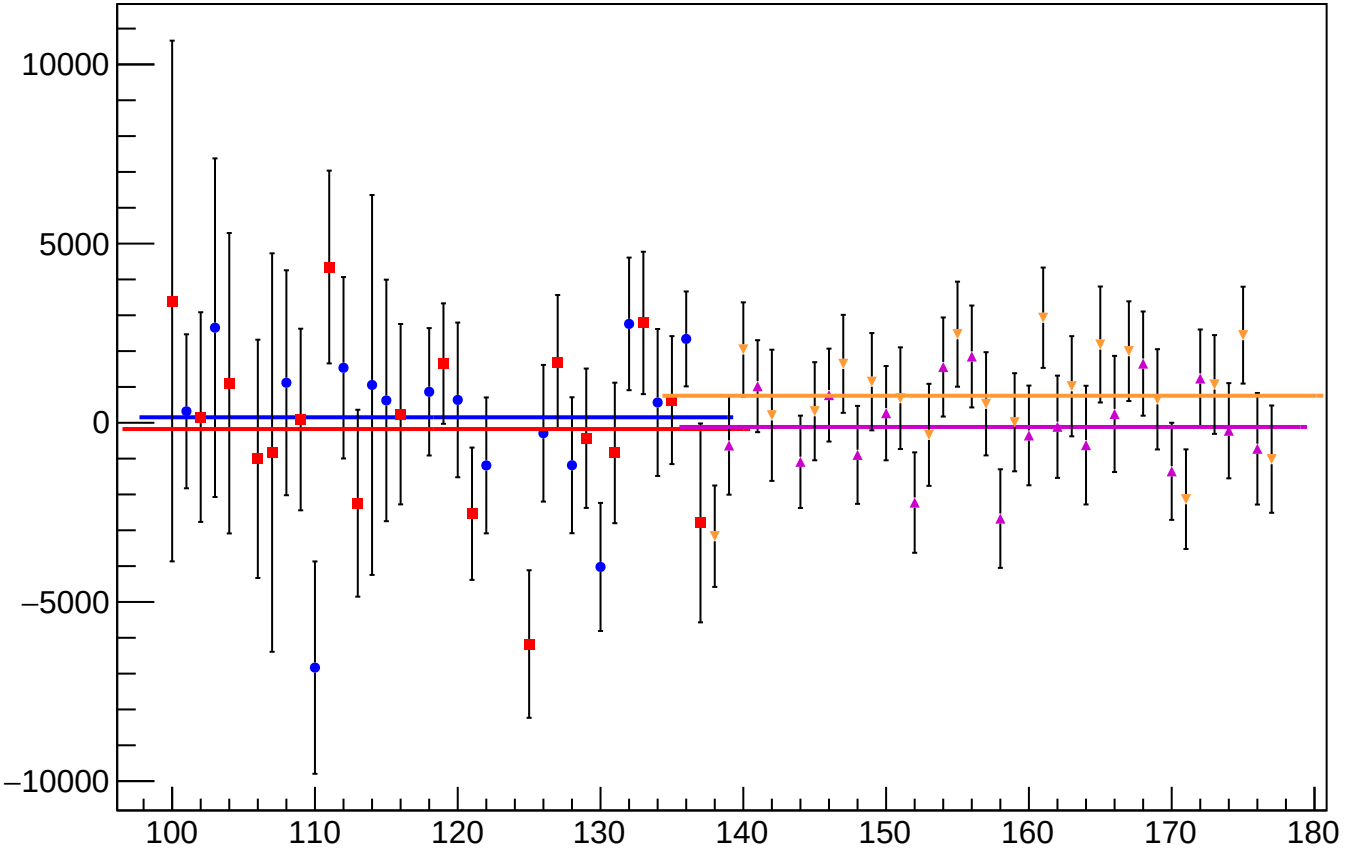
Right: 563.103+/-0.112 χ^2/NDF: 3754001.7/33

In: 548.591+/-0.084 χ^2/NDF:2243574.8/34

Out: 549.621+/-0.084 χ^2/NDF:3157025.9/37

All: 549.104+/-0.059 χ^2/NDF: 5400676.3/72

asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: 754.812+/-317.328 χ^2/NDF:23.0/19

Right Out: -174.319+/-550.153 χ^2/NDF: 19.7/17

Left In: -116.794+/-319.629 χ^2/NDF:15.1/18

Left: 322.156+/-225.194 χ^2/NDF: 41.8/38

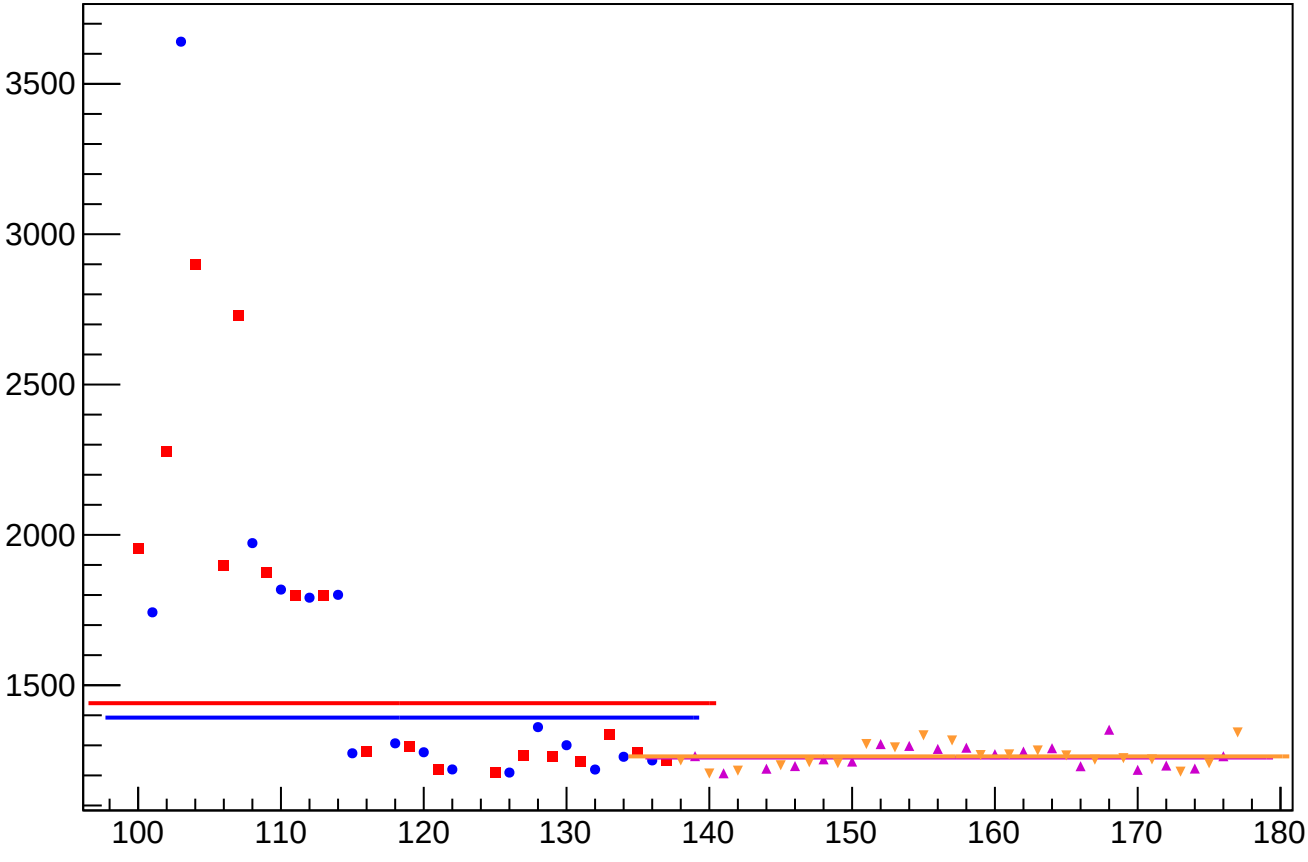
Right: -5.006+/-382.473 χ^2/NDF: 37.6/33

In: -45.157+/-273.995 χ^2/NDF:33.1/34

Out: 522.861+/-274.880 χ^2/NDF:44.8/37

All: 237.936+/-194.056 χ^2/NDF: 80.0/72

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1263.287+/-0.224 χ^2/NDF:26740.4/19

Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1259.463+/-0.226 χ^2/NDF:25836.5/18

Left: 1261.389+/-0.159 χ^2/NDF: 52721.0/38

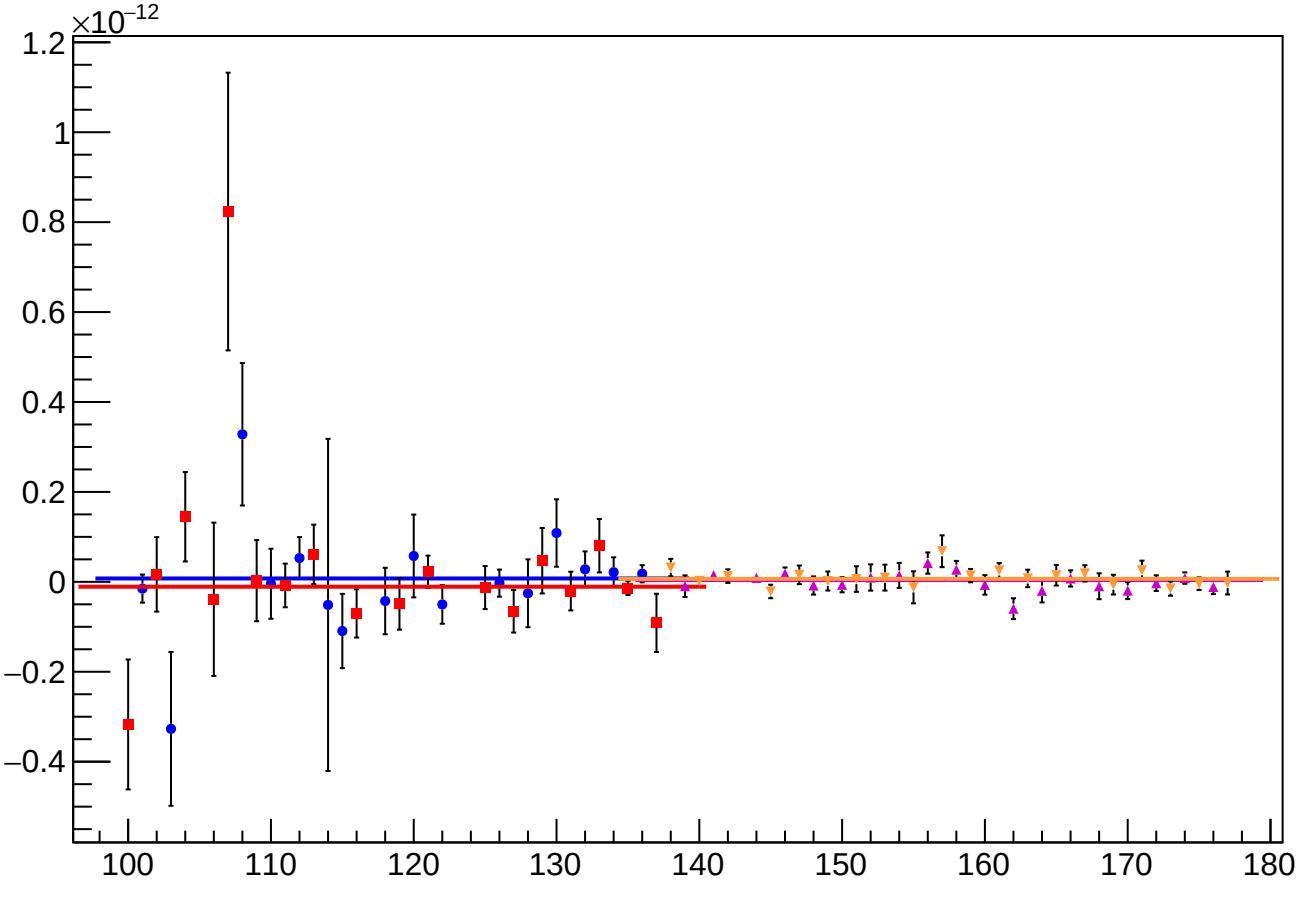
Right: 1415.461+/-0.270 χ^2/NDF: 1641967.9/33

In: 1294.686+/-0.194 χ^2/NDF:896672.1/34

Out: 1307.457+/-0.194 χ^2/NDF:1036850.8/37

All: 1301.051+/-0.137 χ^2/NDF: 1935688.6/72

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.7/19

Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/17

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

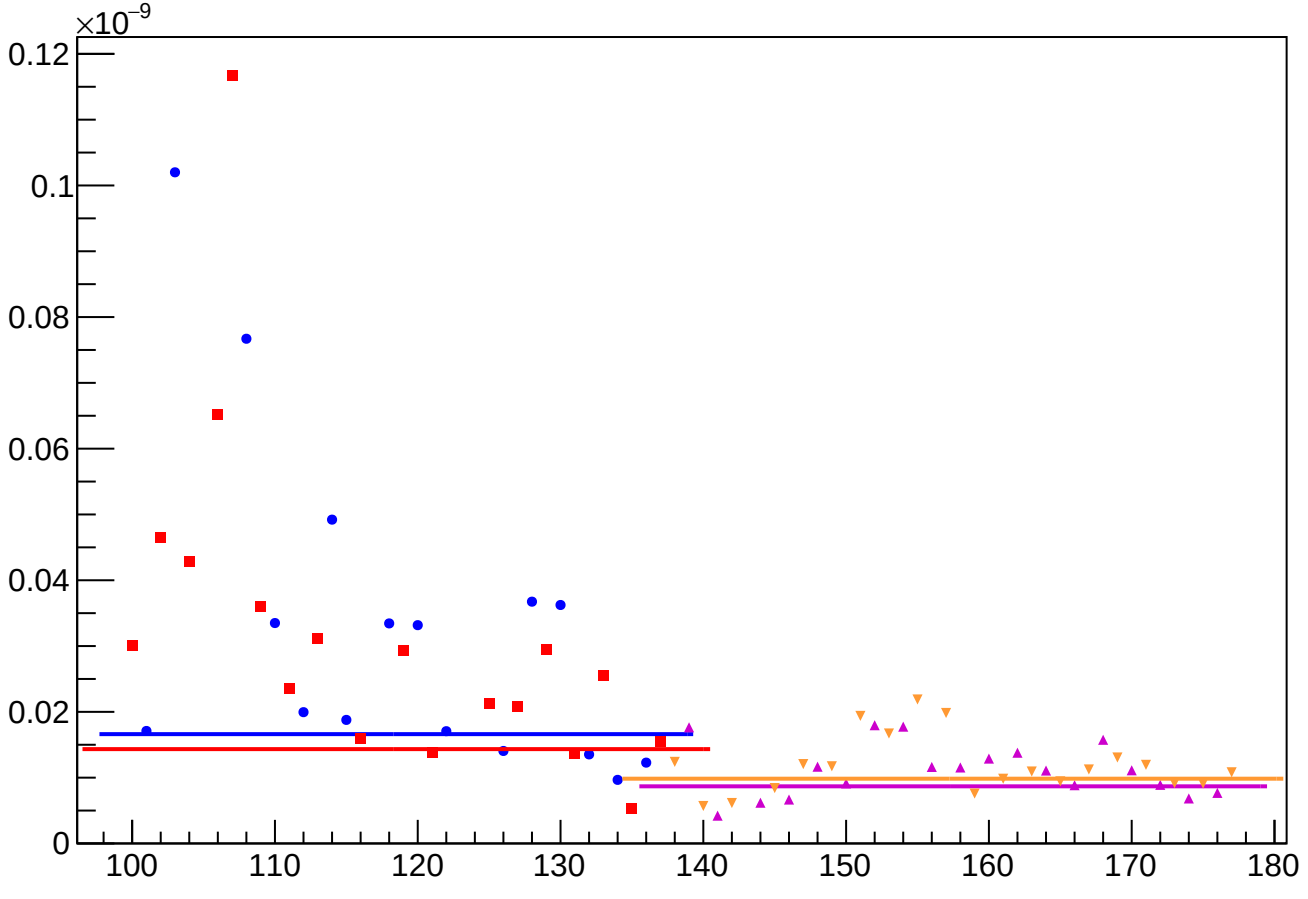
Left: 0.000+/-0.000 χ^2/NDF: 34.4/38

Right: -0.000+/-0.000 χ^2/NDF: 42.4/33

In: 0.000+/-0.000 χ^2/NDF:36.5/34

Out: 0.000+/-0.000 χ^2/NDF:41.1/37

All: 0.000+/-0.000 χ^2/NDF: 77.6/72



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1354903.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

Left In: 0.000+/-0.000 χ^2/NDF:1813112.7/18

Left: 0.000+/-0.000 χ^2/NDF: 3251676.2/38

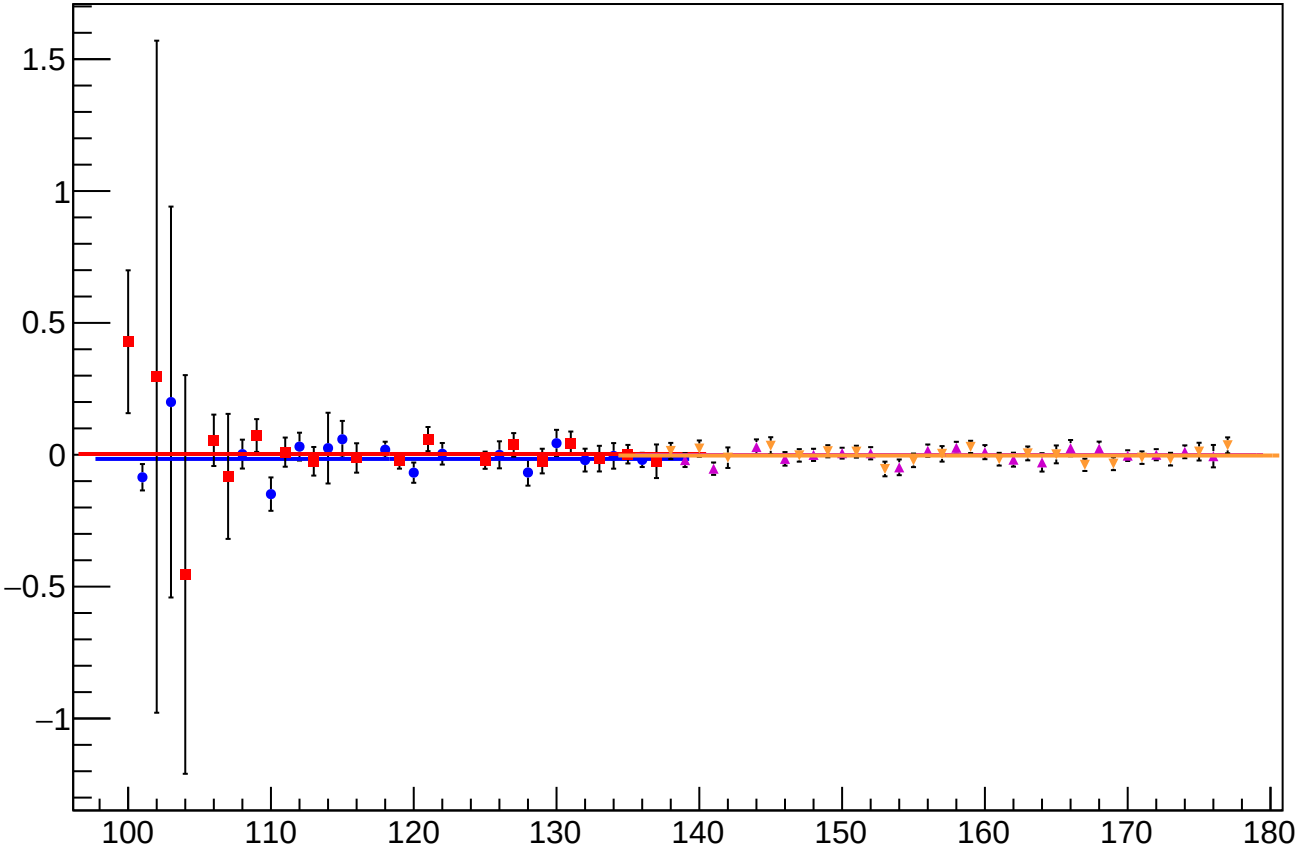
Right: 0.000+/-0.000 χ^2/NDF: 3876075.8/33

In: 0.000+/-0.000 χ^2/NDF:4330376.9/34

Out: 0.000+/-0.000 χ^2/NDF:3925277.9/37

All: 0.000+/-0.000 χ^2/NDF: 8306868.2/72

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.003+/-0.006 χ^2/NDF:15.8/19

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.001+/-0.006 χ^2/NDF:14.5/18

Left: -0.002+/-0.004 χ^2/NDF: 30.3/38

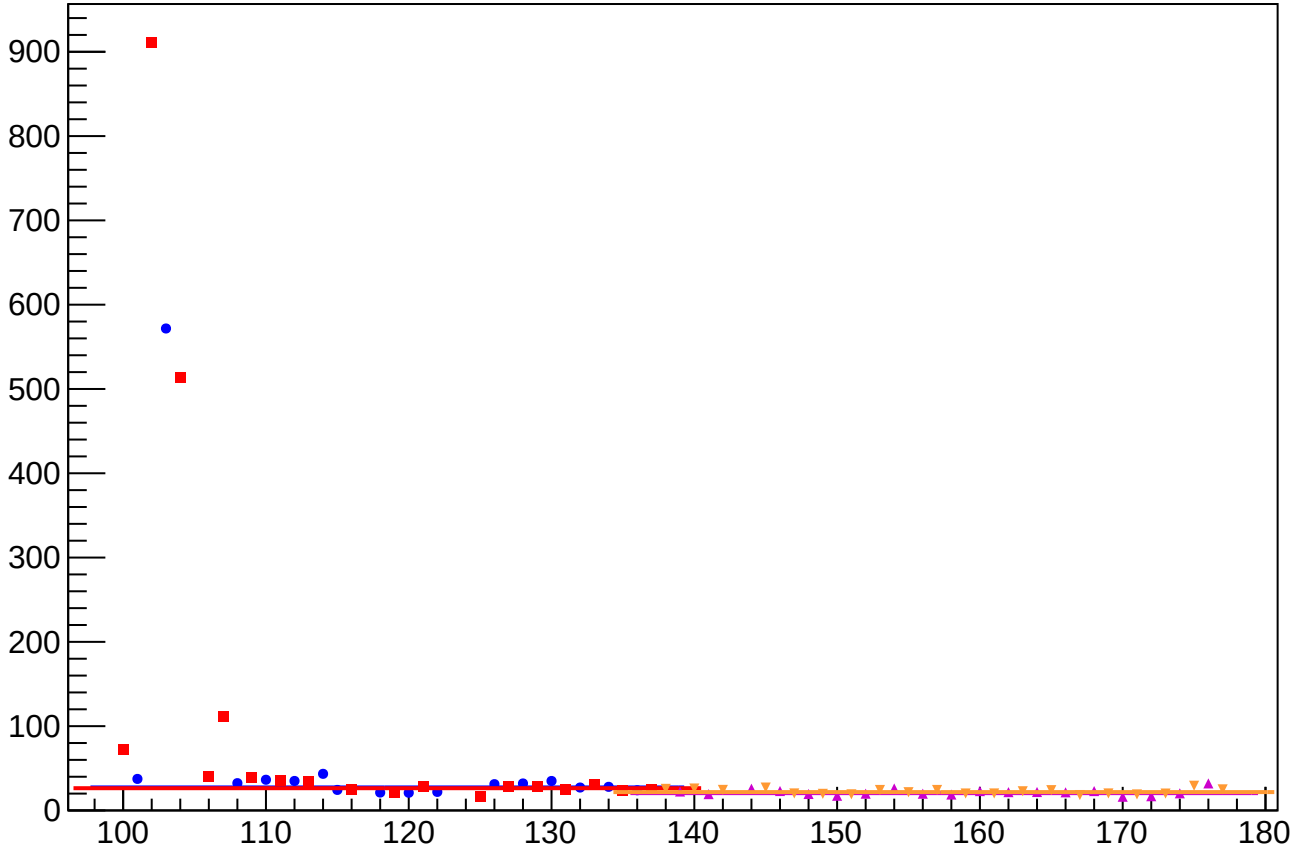
Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.004+/-0.005 χ^2/NDF:30.4/34

Out: -0.002+/-0.005 χ^2/NDF:25.9/37

All: -0.003+/-0.004 χ^2/NDF: 56.4/72

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 21.784+/-0.004 χ^2/NDF:461183.9/19

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.560+/-0.004 χ^2/NDF:571603.5/18

Left: 21.153+/-0.003 χ^2/NDF: 1076267.1/38

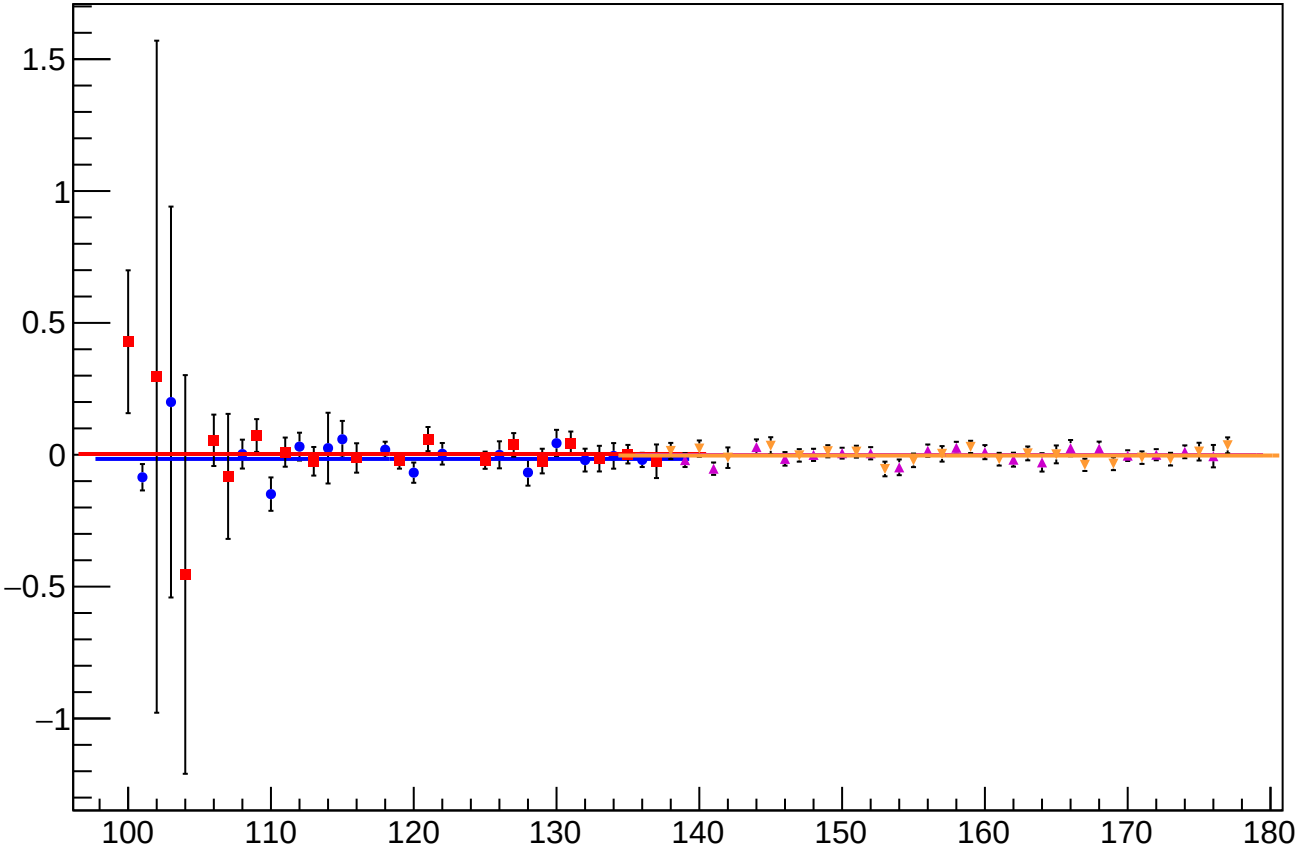
Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 21.909+/-0.004 χ^2/NDF:2684707.6/34

Out: 22.695+/-0.004 χ^2/NDF:3312518.5/37

All: 22.289+/-0.003 χ^2/NDF: 6019618.2/72

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:15.8/19

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.001+/-0.006 χ^2/NDF:14.5/18

Left: -0.002+/-0.004 χ^2/NDF: 30.3/38

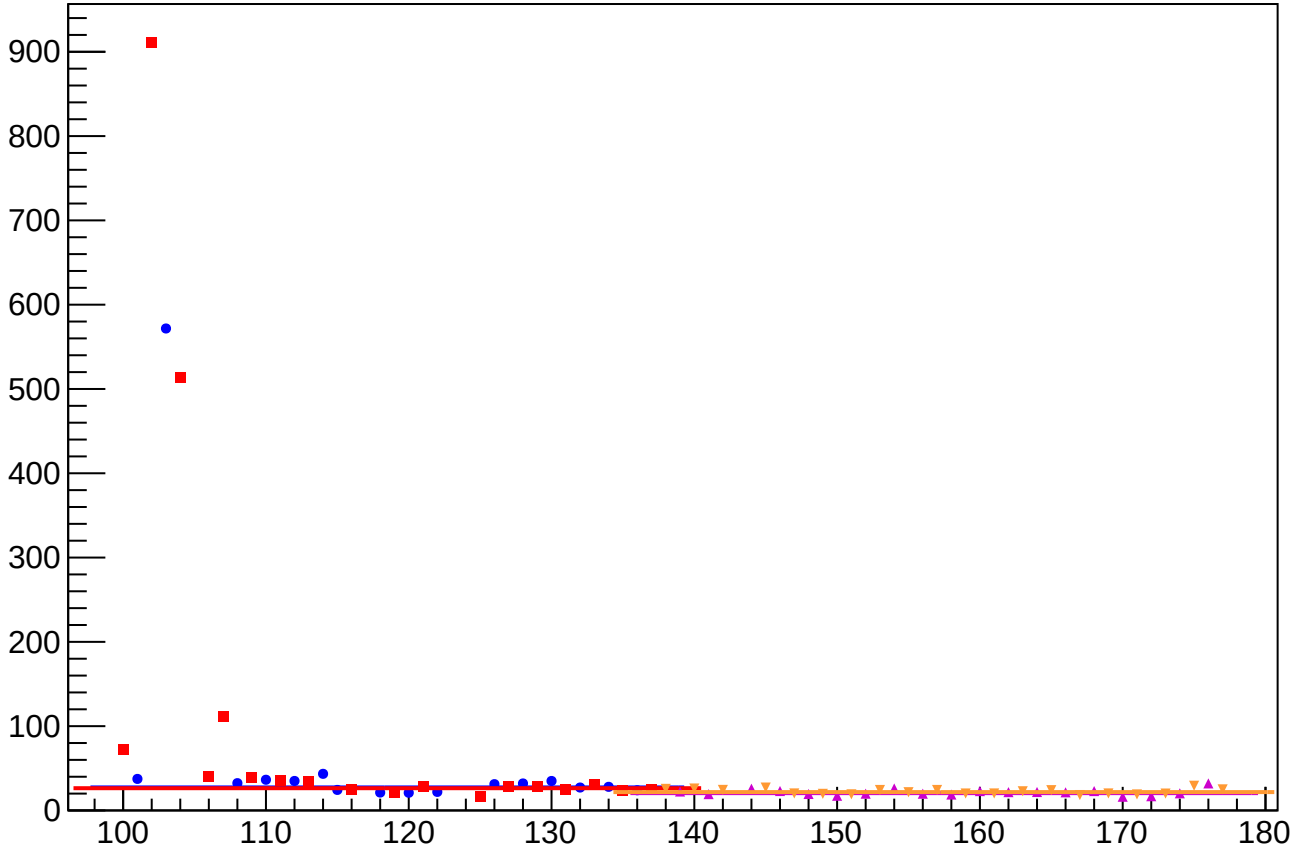
Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.004+/-0.005 χ^2/NDF:30.4/34

Out: -0.002+/-0.005 χ^2/NDF:25.9/37

All: -0.003+/-0.004 χ^2/NDF: 56.4/72

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: 21.784+/-0.004 χ^2/NDF:461183.9/19

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.560+/-0.004 χ^2/NDF:571603.5/18

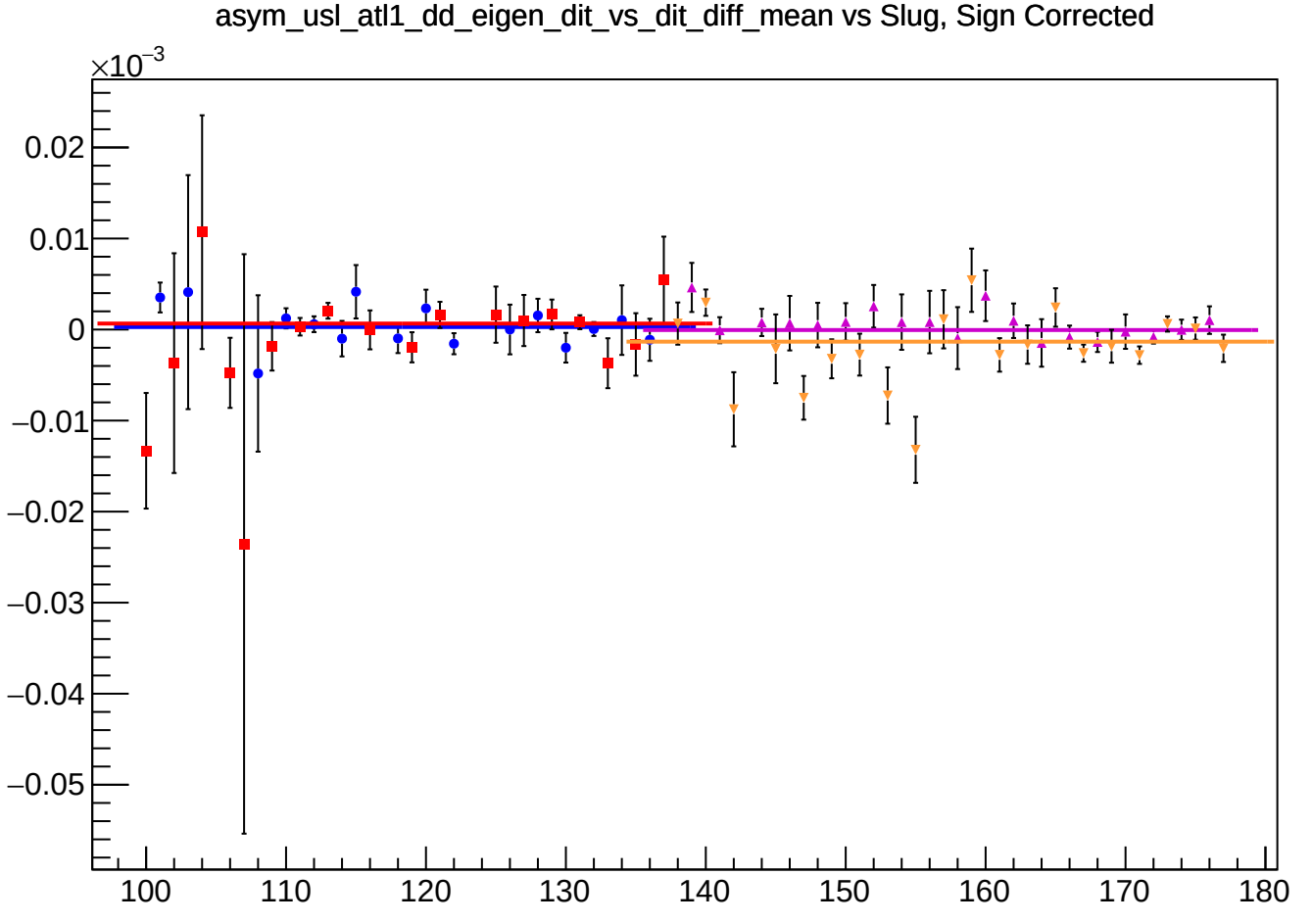
Left: 21.153+/-0.003 χ^2/NDF: 1076267.1/38

Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 21.909+/-0.004 χ^2/NDF:2684707.6/34

Out: 22.695+/-0.004 χ^2/NDF:3312518.5/37

All: 22.289+/-0.003 χ^2/NDF: 6019618.2/72



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:54.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 19.3/17

Left In: -0.000+/-0.000 χ^2/NDF:10.9/18

Left: -0.000+/-0.000 χ^2/NDF: 71.4/38

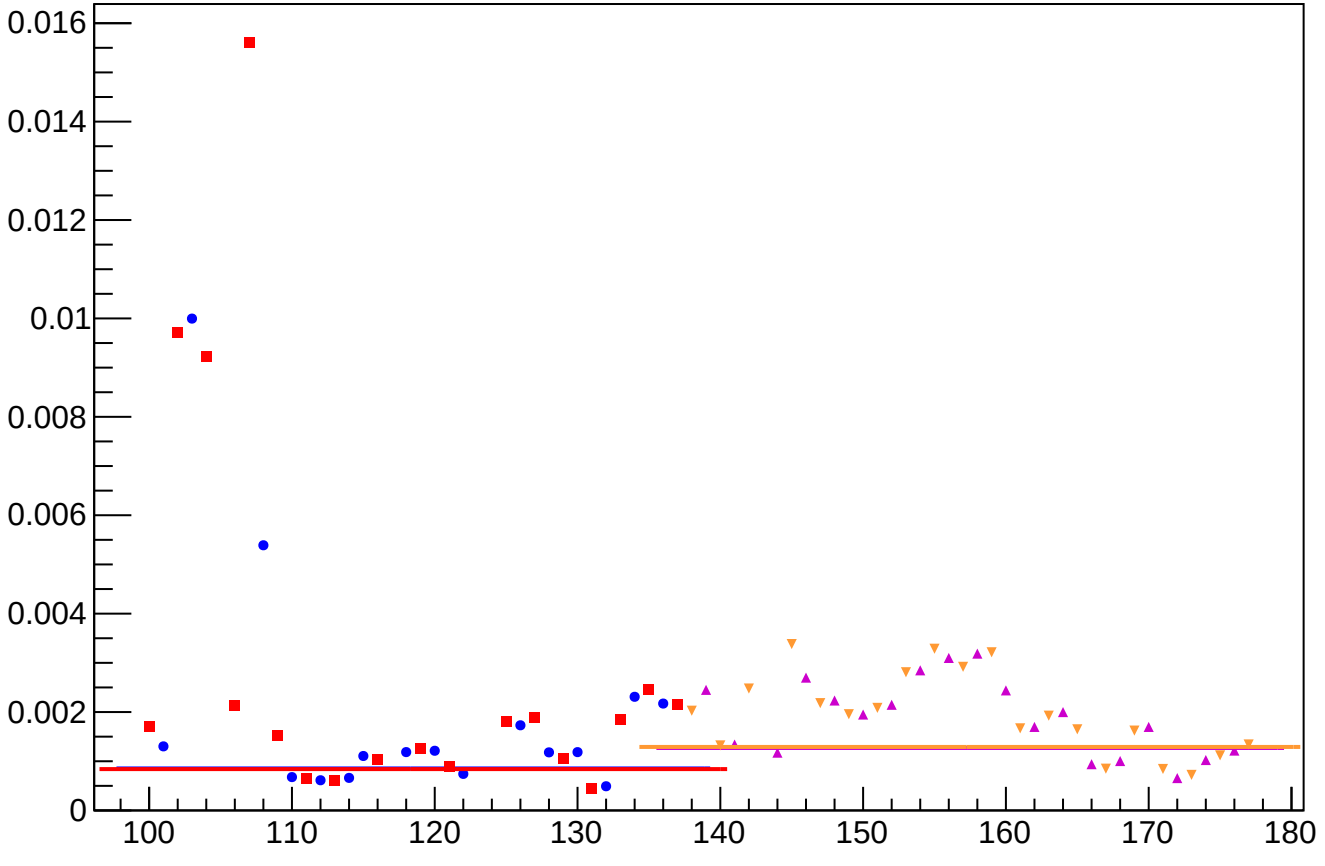
Right: 0.000+/-0.000 χ^2/NDF: 34.2/33

In: 0.000+/-0.000 χ^2/NDF:25.7/34

Out: -0.000+/-0.000 χ^2/NDF:87.3/37

All: -0.000+/-0.000 χ^2/NDF: 115.0/72

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 3863719.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:6135649.6/19

Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.001+/-0.000 χ^2/NDF:5866679.5/18

Left: 0.001+/-0.000 χ^2/NDF: 12005621.6/38

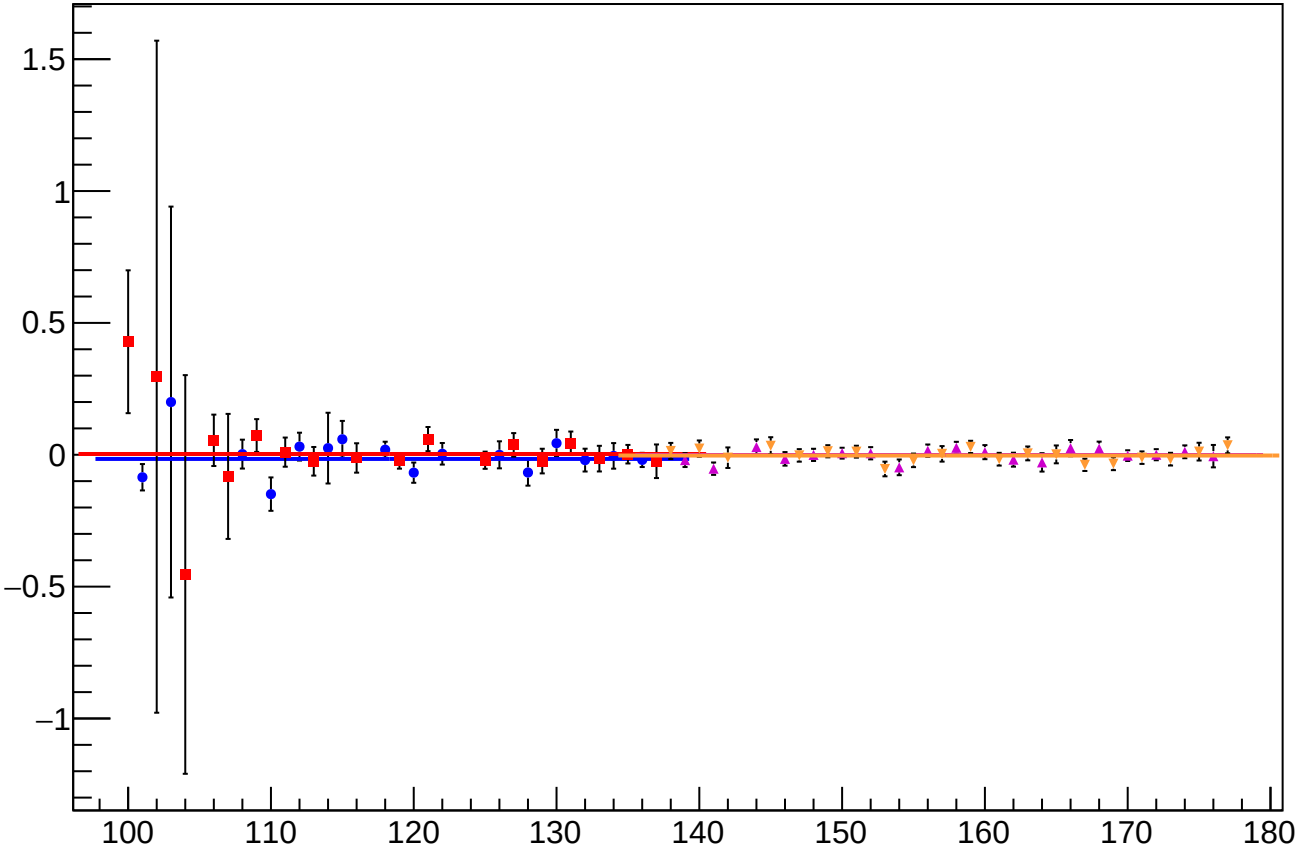
Right: 0.001+/-0.000 χ^2/NDF: 8904244.0/33

In: 0.001+/-0.000 χ^2/NDF:10987164.0/34

Out: 0.001+/-0.000 χ^2/NDF:12564151.9/37

All: 0.001+/-0.000 χ^2/NDF: 23556591.8/72

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:15.8/19

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.001+/-0.006 χ^2/NDF:14.5/18

Left: -0.002+/-0.004 χ^2/NDF: 30.3/38

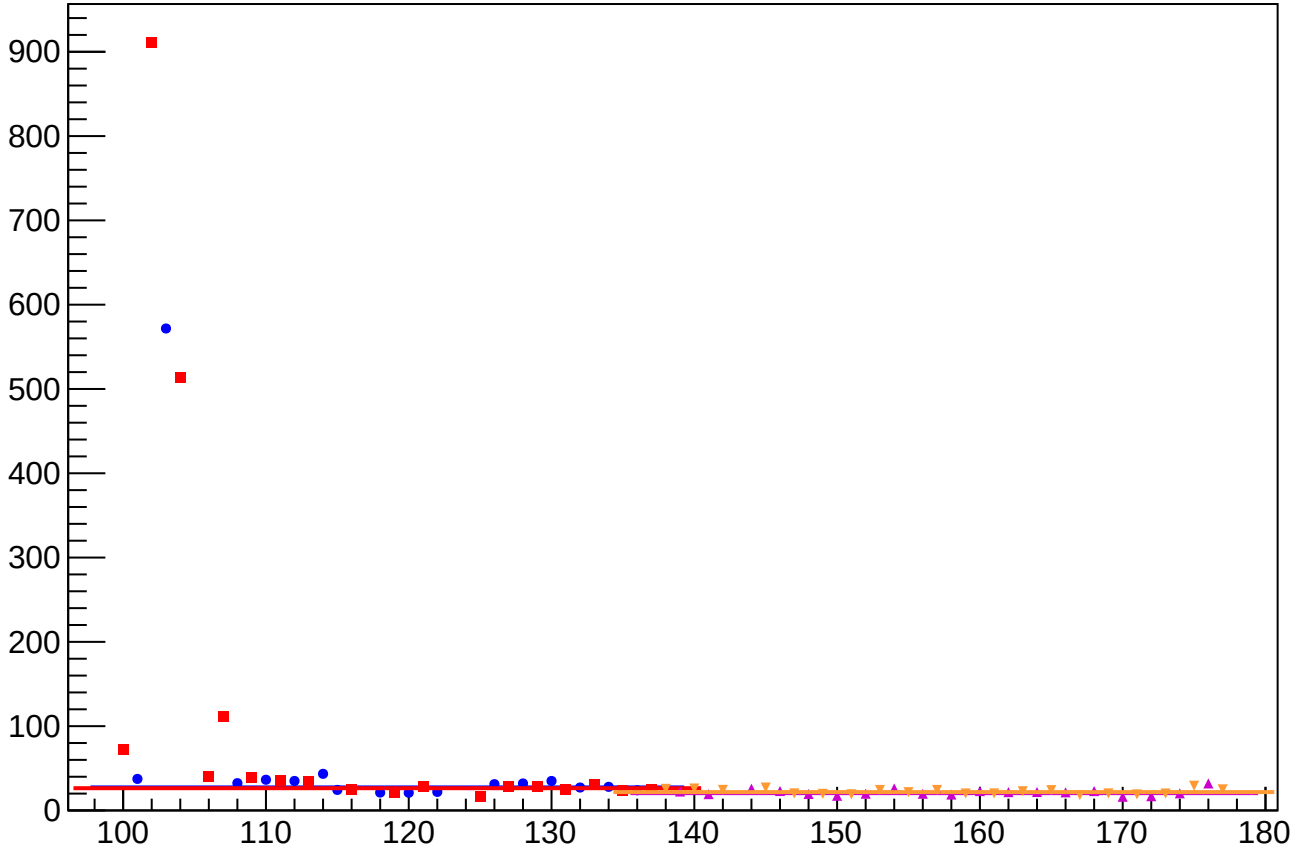
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.004+/-0.005 χ^2/NDF:30.4/34

Out: -0.002+/-0.005 χ^2/NDF:25.8/37

All: -0.003+/-0.004 χ^2/NDF: 56.4/72

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: 21.784+/-0.004 χ^2/NDF:461154.7/19

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.560+/-0.004 χ^2/NDF:571618.5/18

Left: 21.153+/-0.003 χ^2/NDF: 1076251.9/38

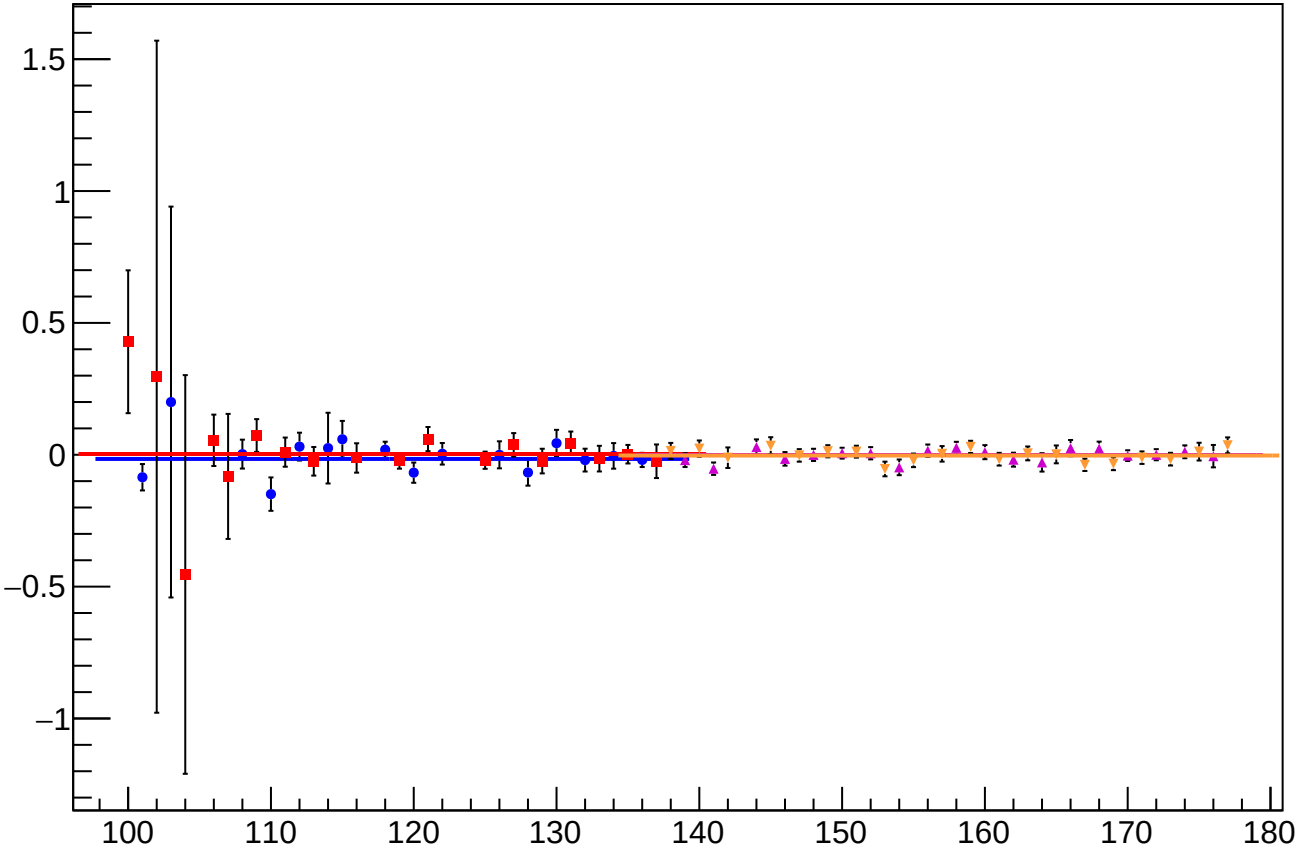
Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 21.909+/-0.004 χ^2/NDF:2684722.9/34

Out: 22.695+/-0.004 χ^2/NDF:3312512.2/37

All: 22.289+/-0.003 χ^2/NDF: 6019626.6/72

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:15.8/19

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.001+/-0.006 χ^2/NDF:14.5/18

Left: -0.002+/-0.004 χ^2/NDF: 30.3/38

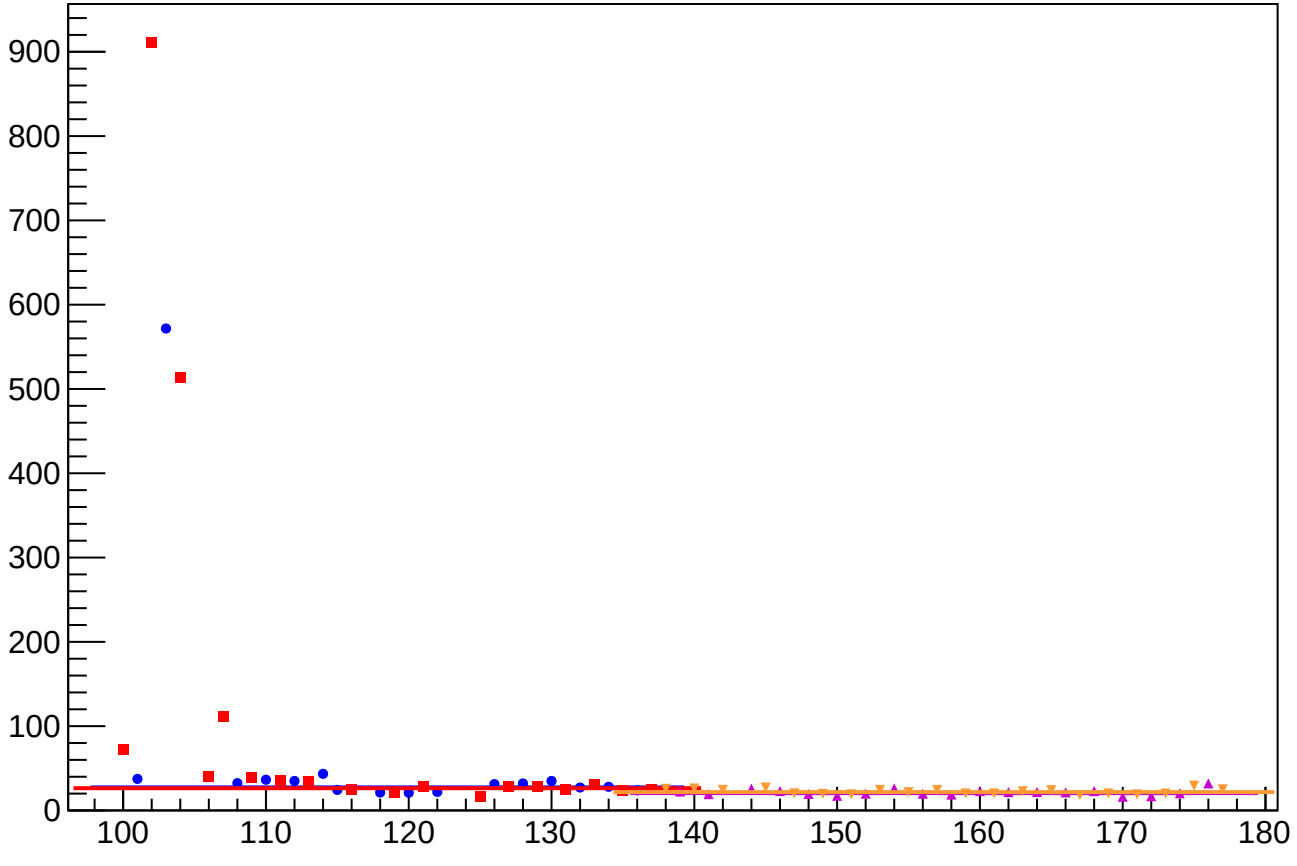
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.004+/-0.005 χ^2/NDF:30.4/34

Out: -0.002+/-0.005 χ^2/NDF:25.8/37

All: -0.003+/-0.004 χ^2/NDF: 56.4/72

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: 21.784+/-0.004 χ^2/NDF:461154.7/19

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.560+/-0.004 χ^2/NDF:571618.5/18

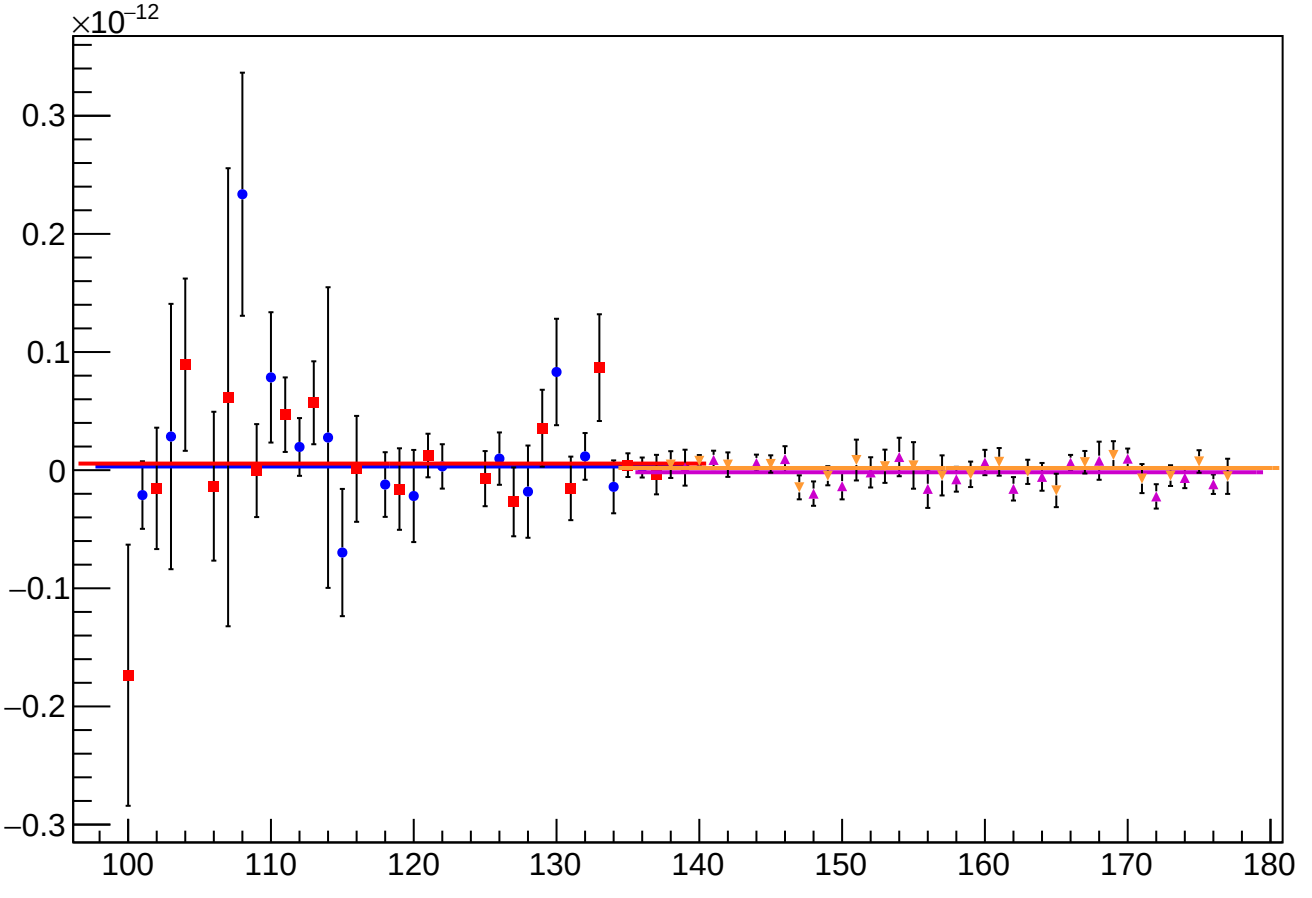
Left: 21.153+/-0.003 χ^2/NDF: 1076251.9/38

Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 21.909+/-0.004 χ^2/NDF:2684722.9/34

Out: 22.695+/-0.004 χ^2/NDF:3312512.2/37

All: 22.289+/-0.003 χ^2/NDF: 6019626.6/72



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: -0.000+/-0.000 χ^2/NDF:22.2/18

Left: 0.000+/-0.000 χ^2/NDF: 34.0/38

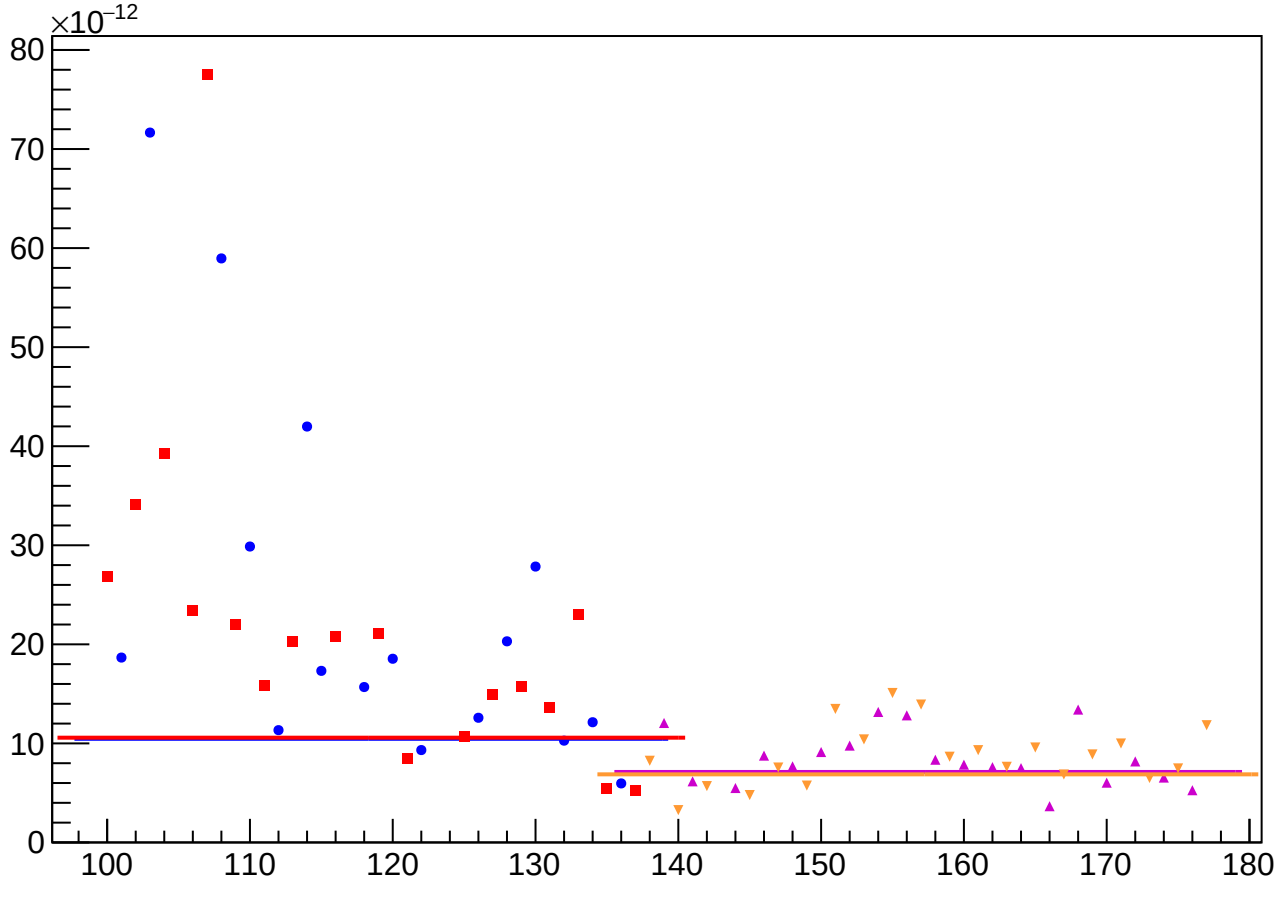
Right: 0.000+/-0.000 χ^2/NDF: 30.4/33

In: -0.000+/-0.000 χ^2/NDF:37.9/34

Out: 0.000+/-0.000 χ^2/NDF:26.2/37

All: 0.000+/-0.000 χ^2/NDF: 65.3/72

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:3100830.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2771384.1/17

Left In: 0.000+/-0.000 χ^2/NDF:2139032.5/18

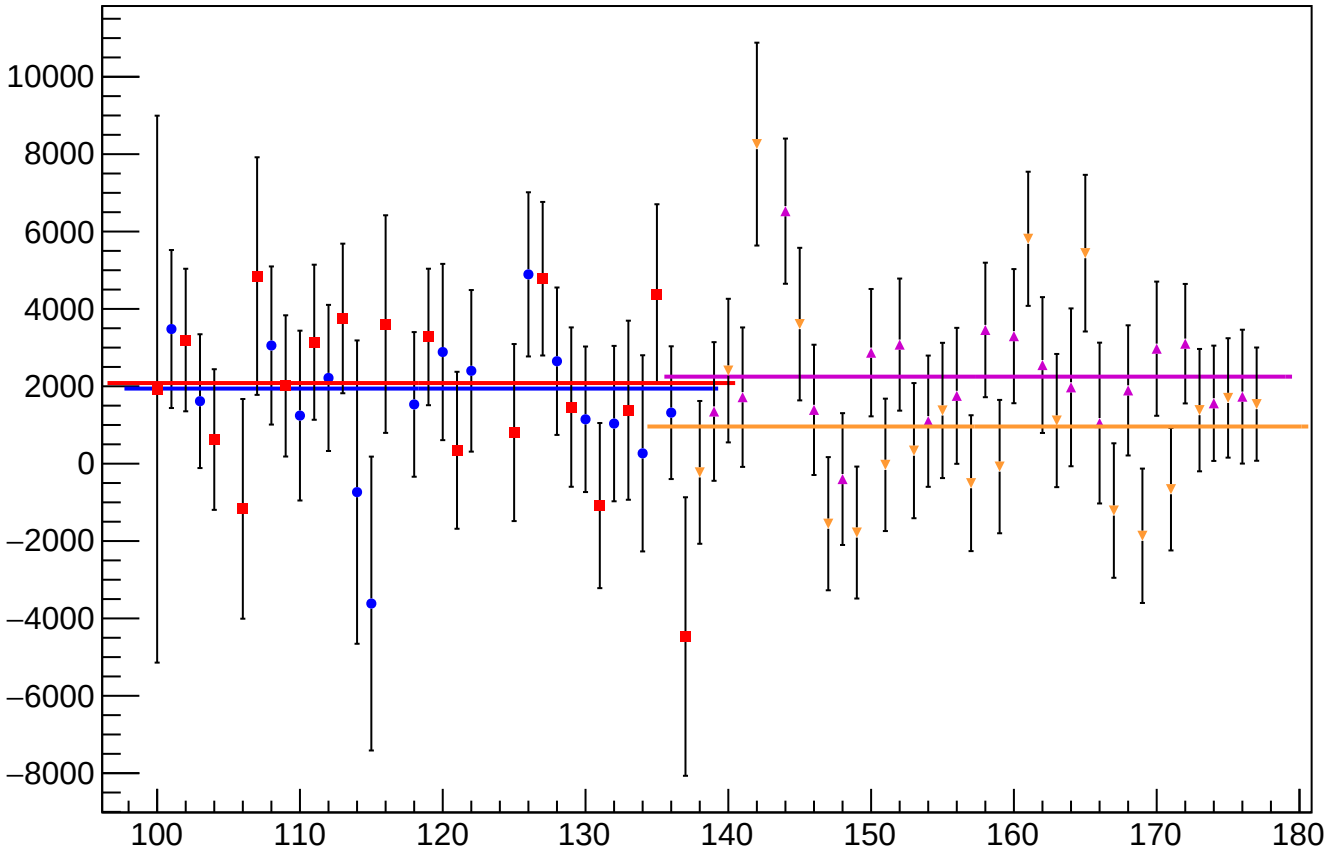
Left: 0.000+/-0.000 χ^2/NDF: 5251149.7/38

Right: 0.000+/-0.000 χ^2/NDF: 5566631.8/33

In: 0.000+/-0.000 χ^2/NDF:5522279.1/34

Out: 0.000+/-0.000 χ^2/NDF:6523755.1/37

All: 0.000+/-0.000 χ^2/NDF: 12060491.8/72



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 960.401+/-389.613 χ^2/NDF:35.3/19

Right Out: 2083.952+/-519.583 χ^2/NDF: 14.5/17

Left In: 2249.125+/-397.354 χ^2/NDF:11.2/18

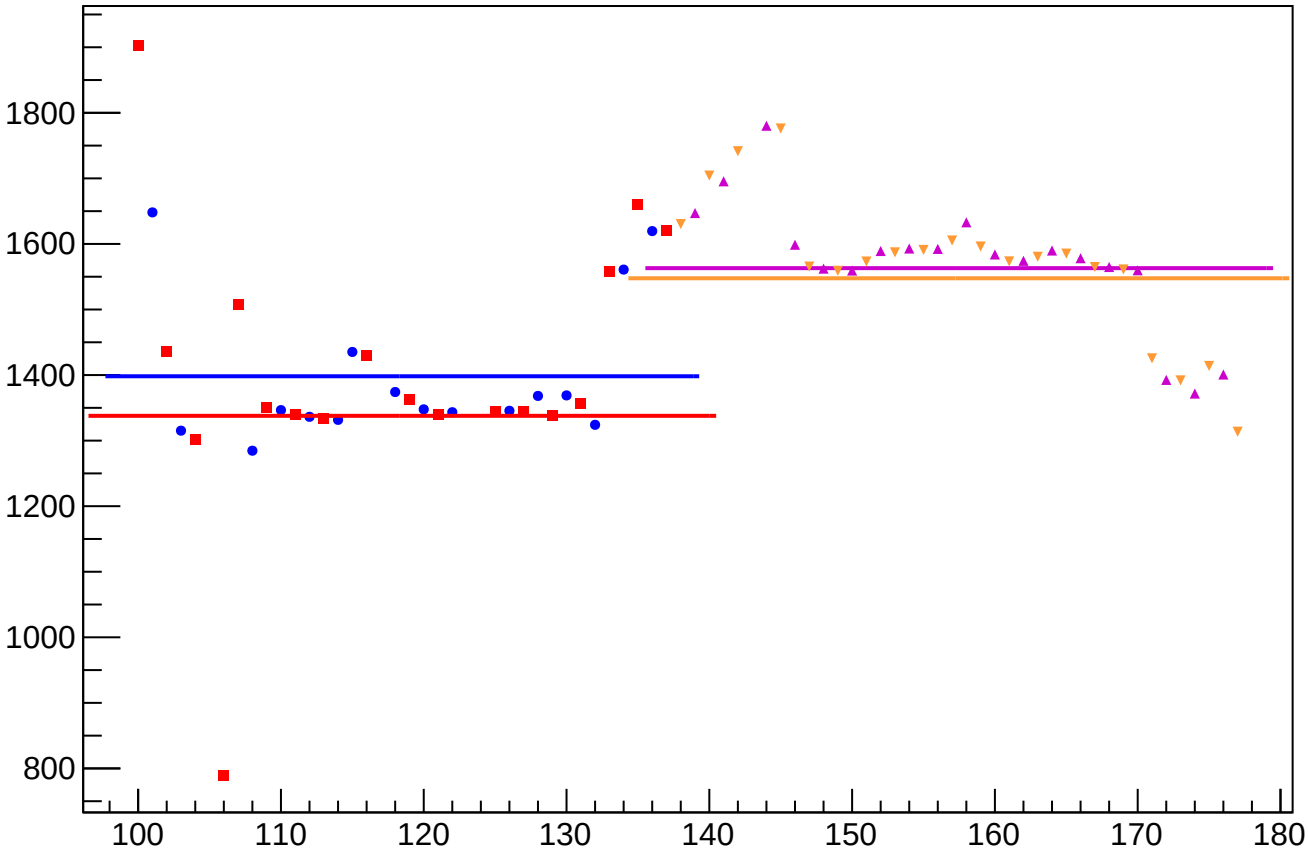
Left: 1592.087+/-278.195 χ^2/NDF: 51.9/38

Right: 2012.819+/-368.313 χ^2/NDF: 21.4/33

In: 2136.123+/-316.212 χ^2/NDF:18.3/34

Out: 1364.780+/-311.712 χ^2/NDF:52.8/37

All: 1744.924+/-221.988 χ^2/NDF: 74.1/72



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1547.625+/-0.275 χ^2/NDF:162394.8/19

Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1563.077+/-0.281 χ^2/NDF:123538.2/18

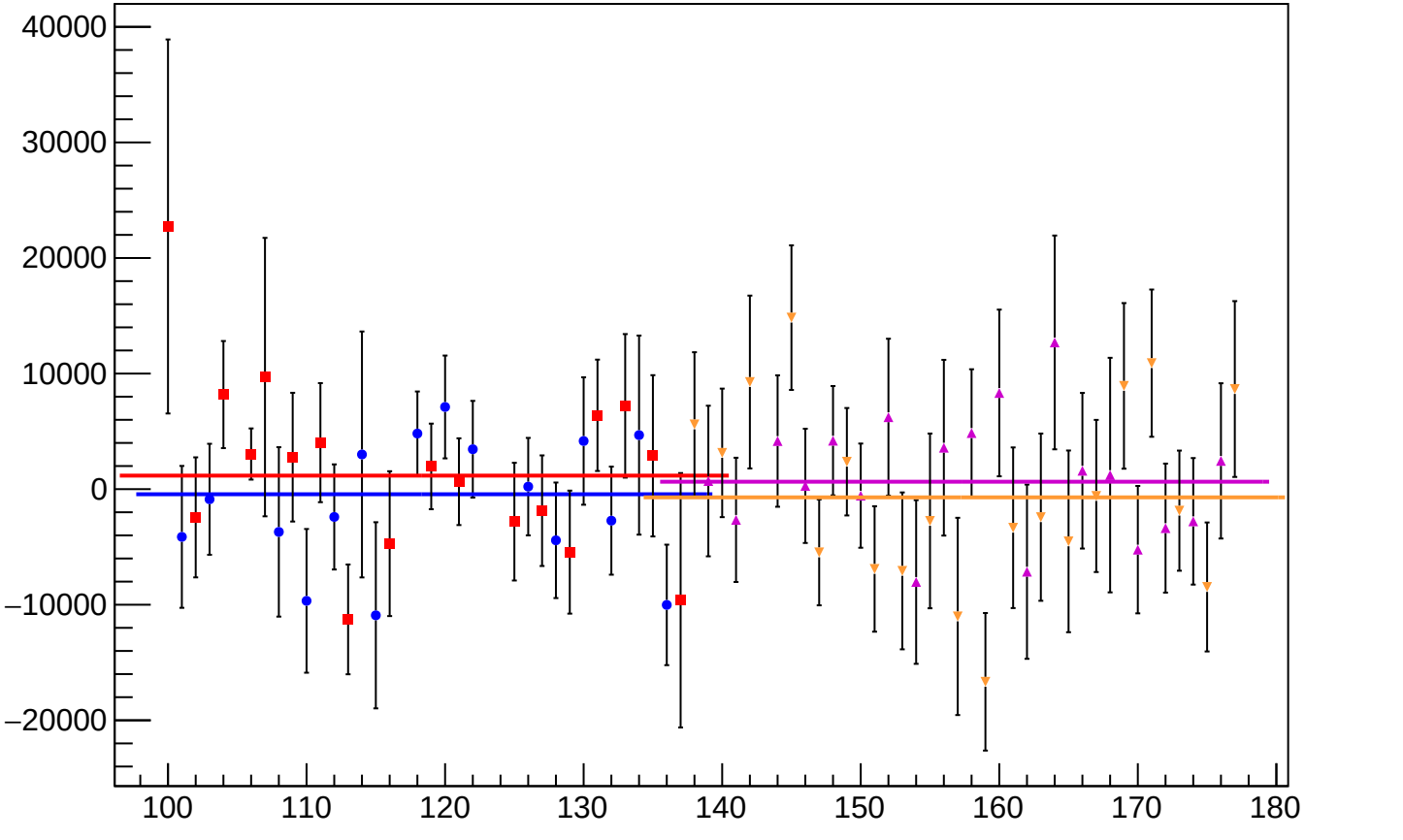
Left: 1555.199+/-0.197 χ^2/NDF: 287474.8/38

Right: 1366.881+/-0.256 χ^2/NDF: 425531.4/33

In: 1502.600+/-0.224 χ^2/NDF:343797.8/34

Out: 1469.015+/-0.218 χ^2/NDF:697460.8/37

All: 1485.371+/-0.156 χ^2/NDF: 1052833.1/72



Right In: -441.138+/-1295.916 χ^2/NDF: 15.9/15

Left Out: -709.817+/-1386.625 χ^2/NDF:31.0/19

Right Out: 1171.548+/-1119.890 χ^2/NDF: 19.7/17

Left In: 642.761+/-1391.293 χ^2/NDF:10.4/18

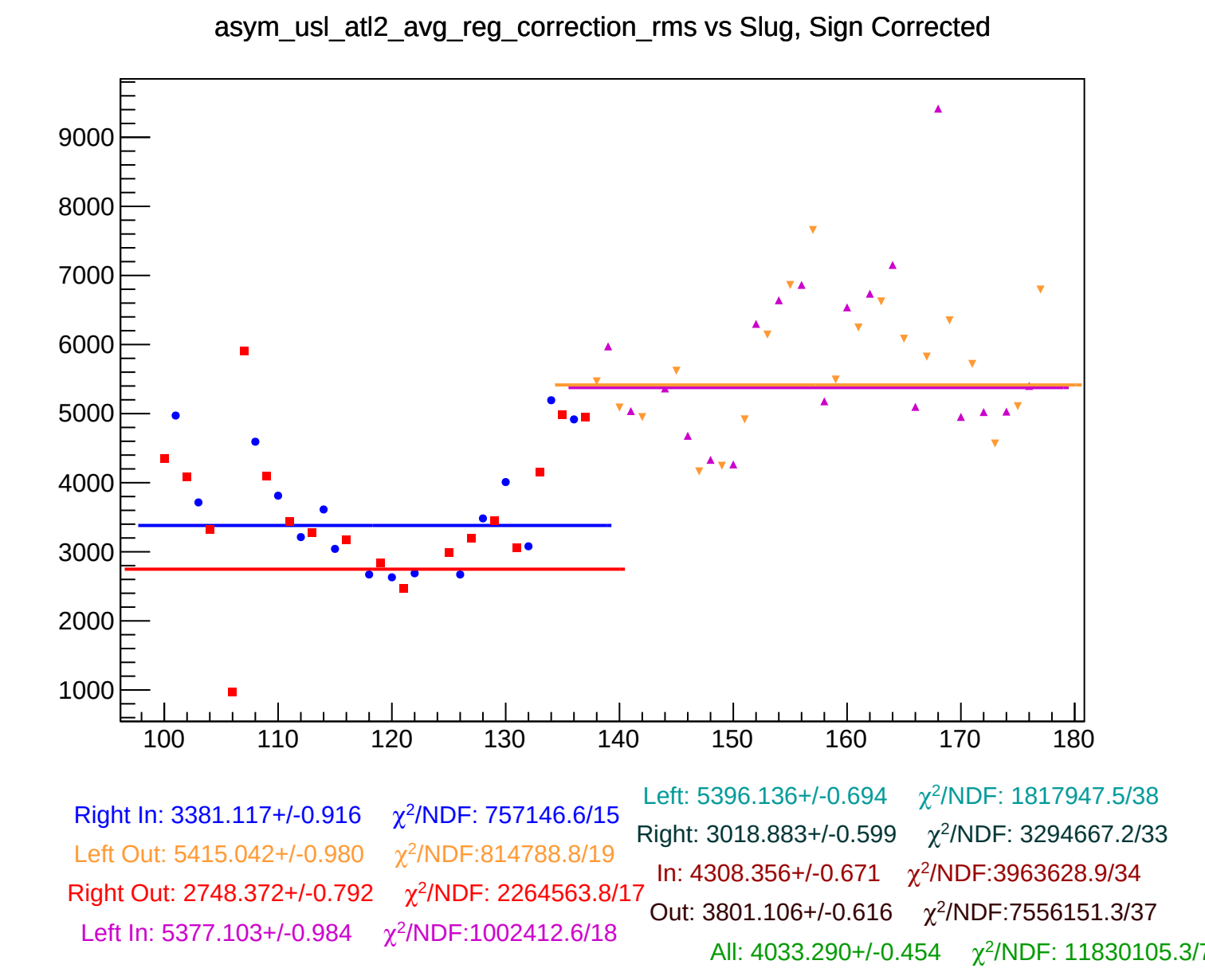
Left: -35.801+/-982.138 χ^2/NDF: 41.8/38

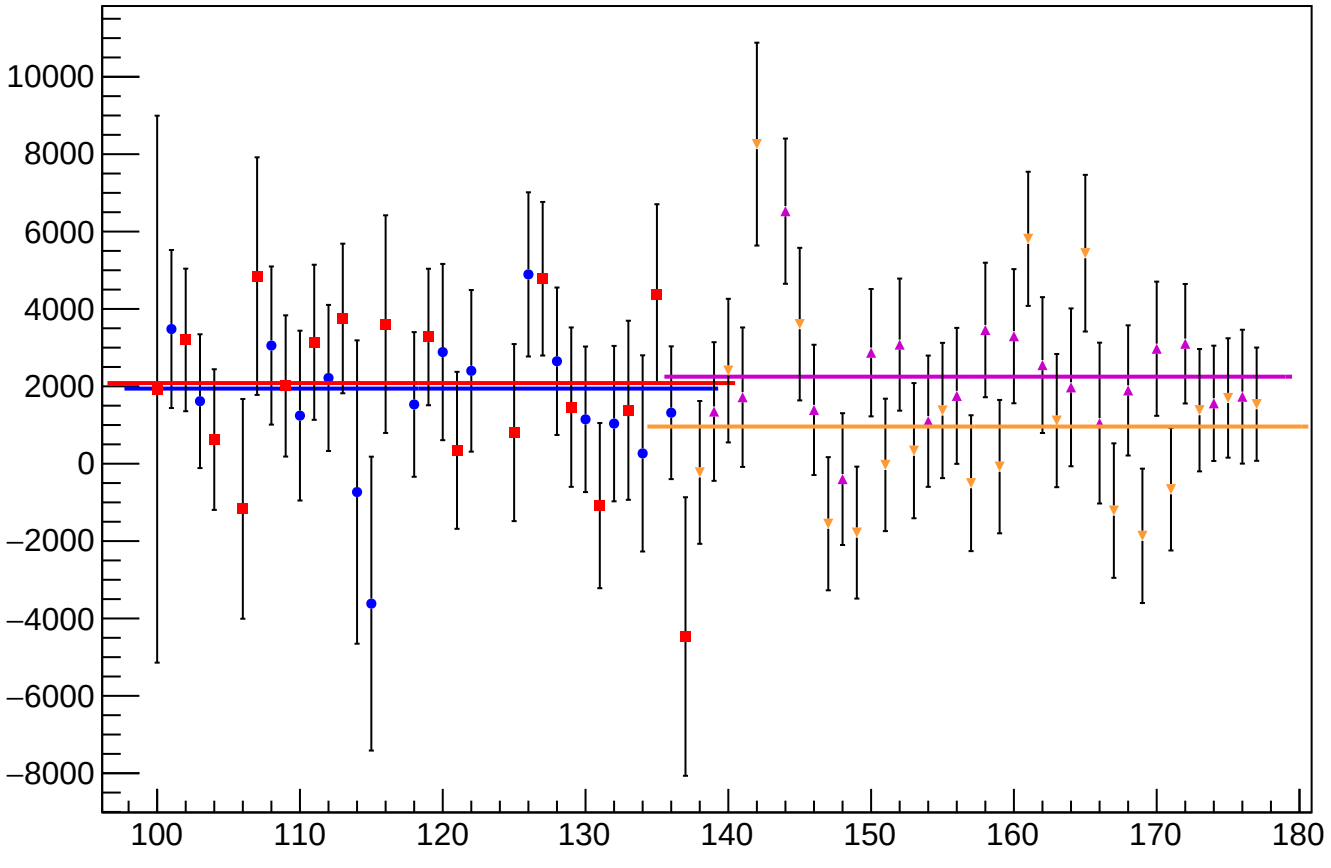
Right: 482.092+/-847.335 χ^2/NDF: 36.5/33

In: 62.390+/-948.278 χ^2/NDF:26.6/34

Out: 428.833+/-871.232 χ^2/NDF:51.7/37

All: 261.100+/-641.565 χ^2/NDF: 78.4/72


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: 5415.042+/-0.980 χ²/NDF:814788.8/19
Right Out: 2748.372+/-0.792 χ²/NDF: 2264563.8/17
Left In: 5377.103+/-0.984 χ²/NDF:1002412.6/18
Left: 5396.136+/-0.694 χ²/NDF: 1817947.5/38
Right: 3018.883+/-0.599 χ²/NDF: 3294667.2/33
In: 4308.356+/-0.671 χ²/NDF:3963628.9/34
Out: 3801.106+/-0.616 χ²/NDF:7556151.3/37
All: 4033.290+/-0.454 χ²/NDF: 11830105.3/7



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 960.396+/-389.613 χ^2/NDF:35.3/19

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2249.179+/-397.354 χ^2/NDF:11.2/18

Left: 1592.111+/-278.195 χ^2/NDF: 51.9/38

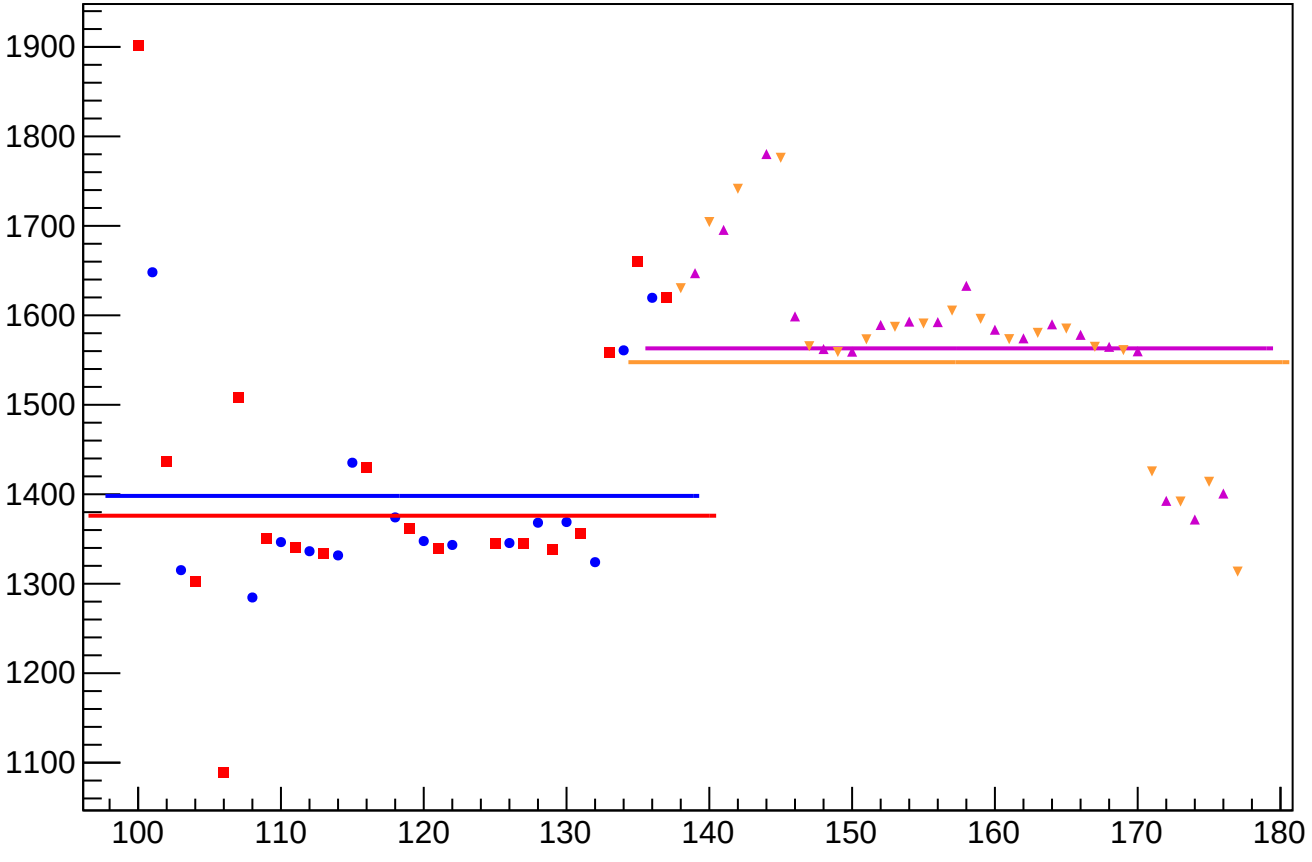
Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2136.177+/-316.212 χ^2/NDF:18.3/34

Out: 1364.851+/-311.713 χ^2/NDF:52.8/37

All: 1744.987+/-221.988 χ^2/NDF: 74.1/72

cor_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1547.626+/-0.275 χ^2/NDF:162394.8/19

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1563.077+/-0.281 χ^2/NDF:123538.1/18

Left: 1555.199+/-0.197 χ^2/NDF: 287474.8/38

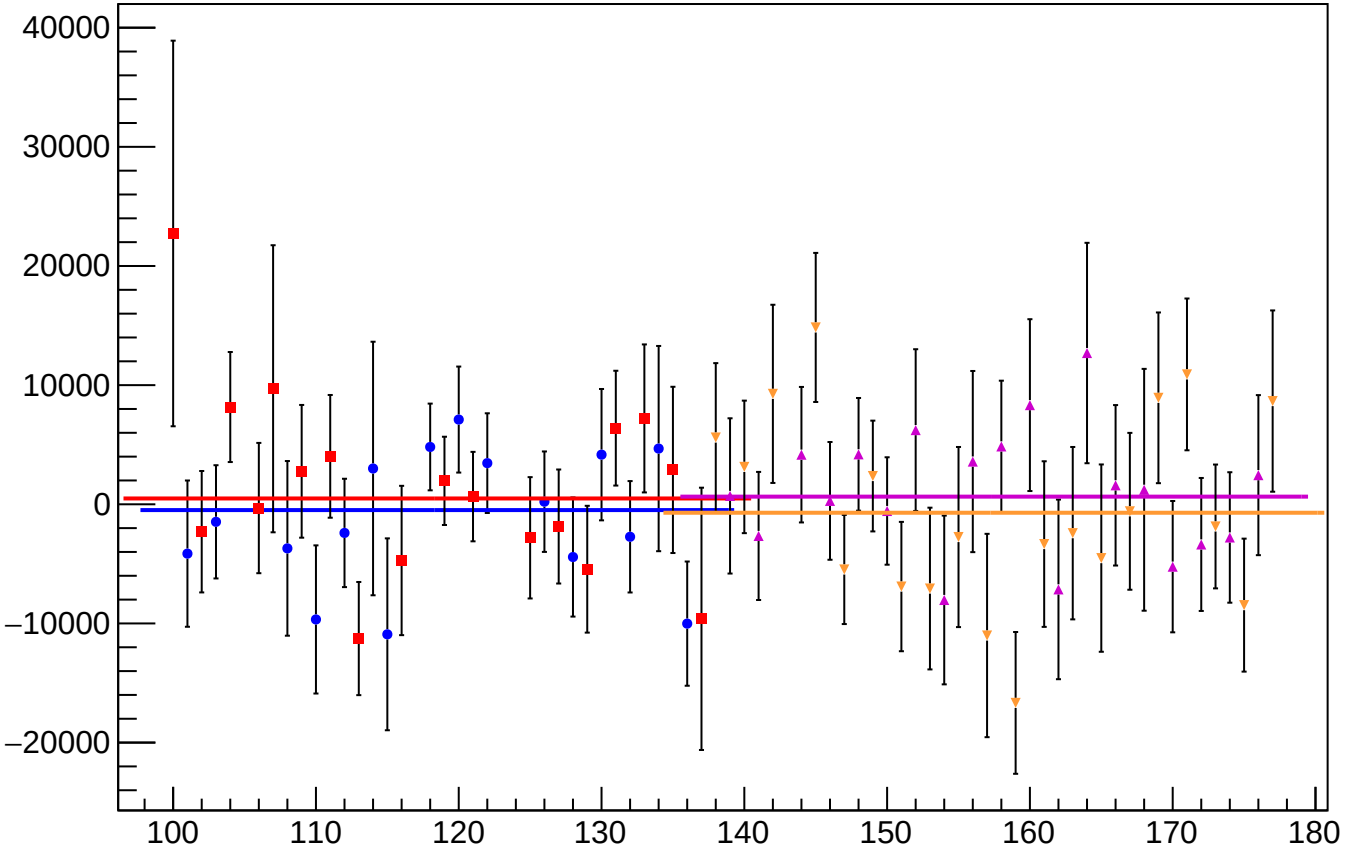
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1502.600+/-0.224 χ^2/NDF:343798.0/34

Out: 1484.802+/-0.219 χ^2/NDF:418470.2/37

All: 1493.530+/-0.157 χ^2/NDF: 765497.1/72

asym_usl_atl2_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -709.839+/-1386.626 χ^2/NDF:31.0/19

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 642.869+/-1391.292 χ^2/NDF:10.4/18

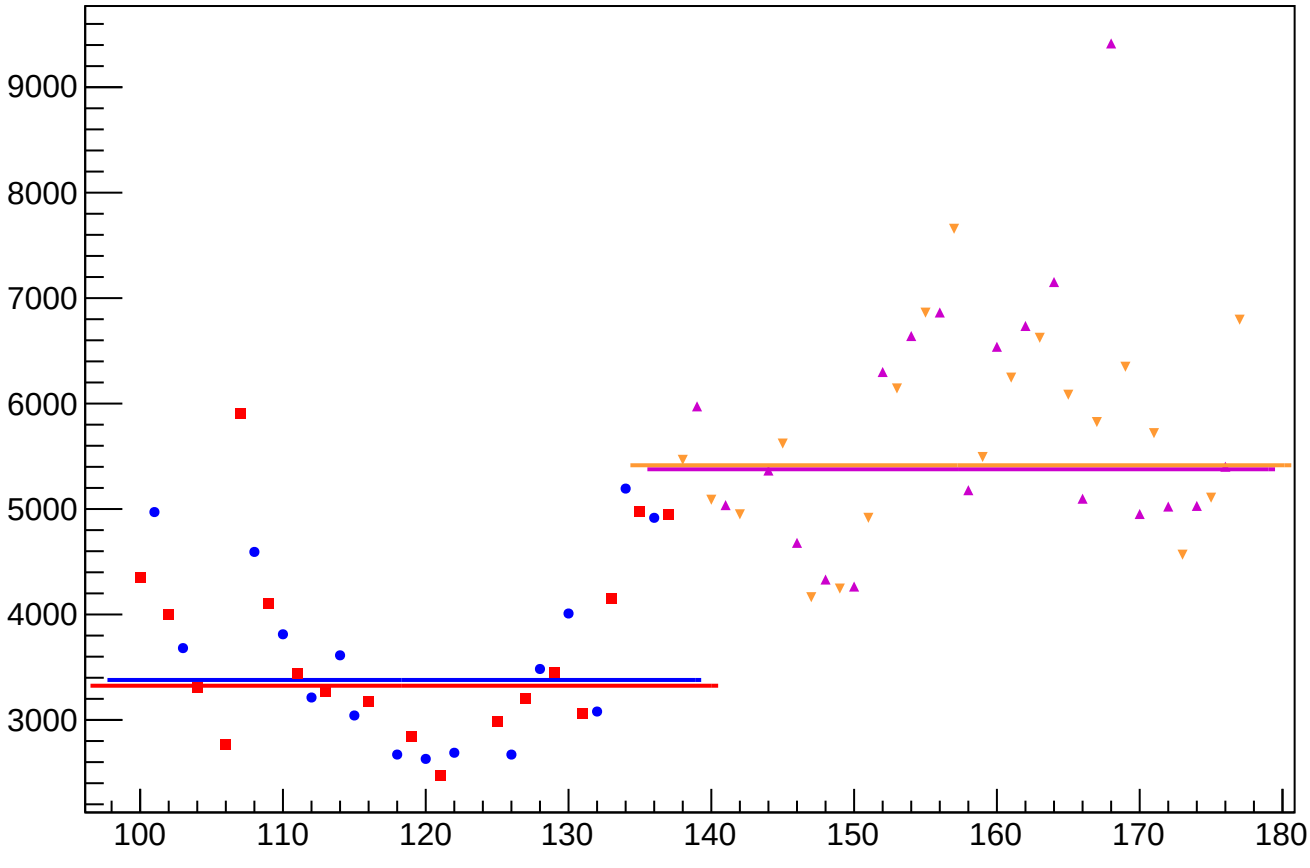
Left: -35.757+/-982.138 χ^2/NDF: 41.8/38

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: 37.690+/-947.891 χ^2/NDF:26.7/34

Out: -54.035+/-933.048 χ^2/NDF:50.1/37

All: -8.896+/-664.950 χ^2/NDF: 76.7/72



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5415.046+/-0.980 χ^2/NDF:814785.3/19

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5377.099+/-0.984 χ^2/NDF:1002421.9/18

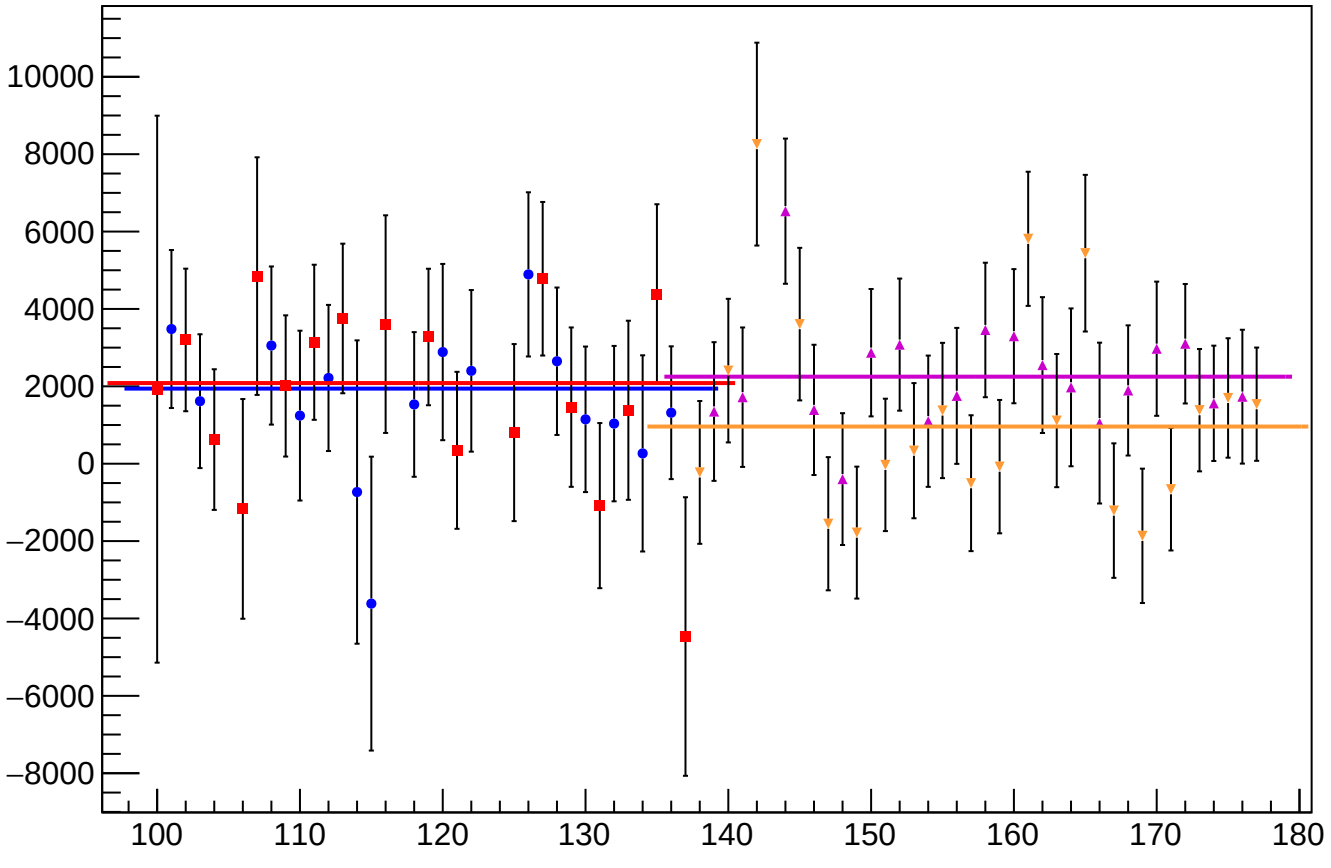
Left: 5396.136+/-0.694 χ^2/NDF: 1817953.7/38

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4306.524+/-0.670 χ^2/NDF:3967819.0/34

Out: 4271.034+/-0.660 χ^2/NDF:3846381.5/37

All: 4288.499+/-0.470 χ^2/NDF: 7815624.5/72



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 960.396+/-389.613 χ^2/NDF:35.3/19

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2249.179+/-397.354 χ^2/NDF:11.2/18

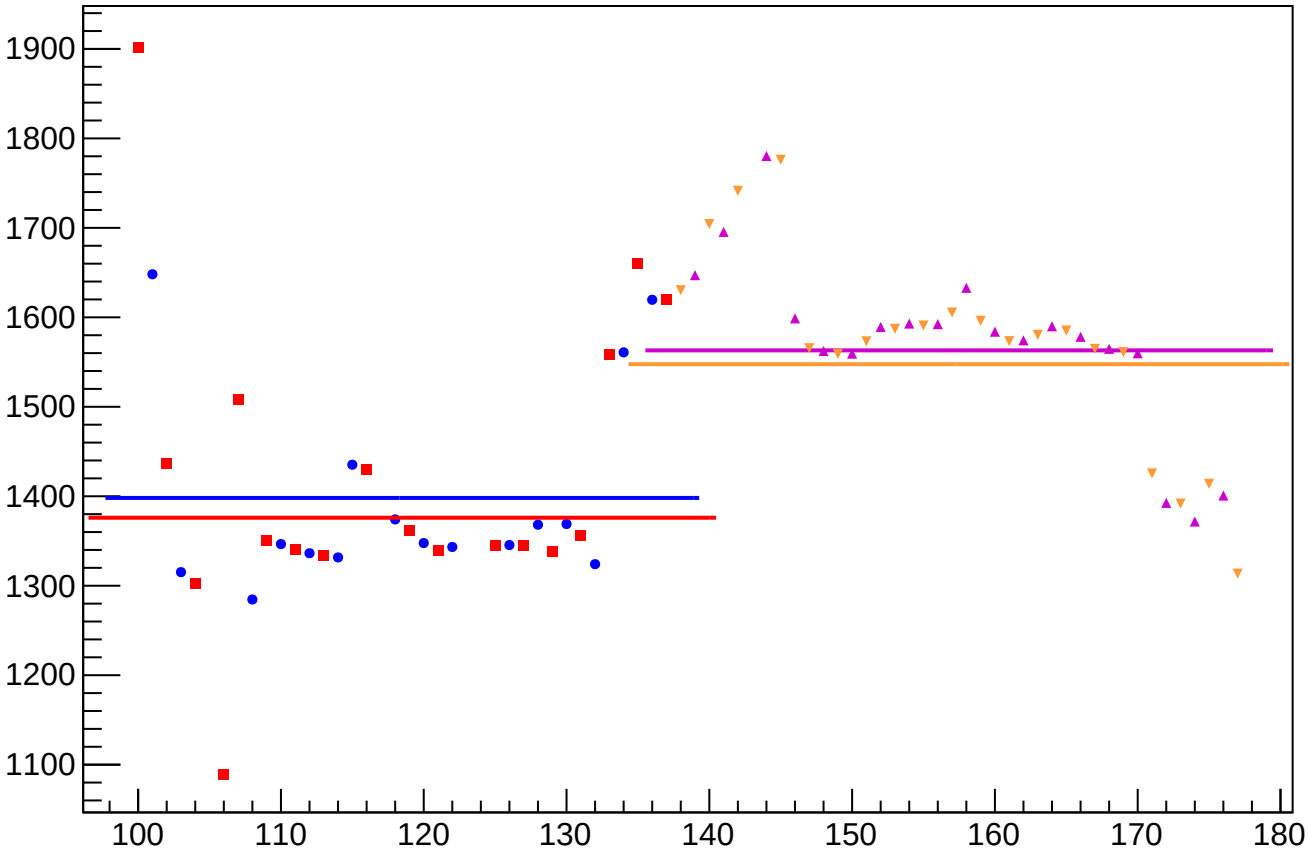
Left: 1592.111+/-278.195 χ^2/NDF: 51.9/38

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2136.177+/-316.212 χ^2/NDF:18.3/34

Out: 1364.851+/-311.713 χ^2/NDF:52.8/37

All: 1744.987+/-221.988 χ^2/NDF: 74.1/72



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1547.626+/-0.275 χ^2/NDF:162394.8/19

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1563.077+/-0.281 χ^2/NDF:123538.1/18

Left: 1555.199+/-0.197 χ^2/NDF: 287474.8/38

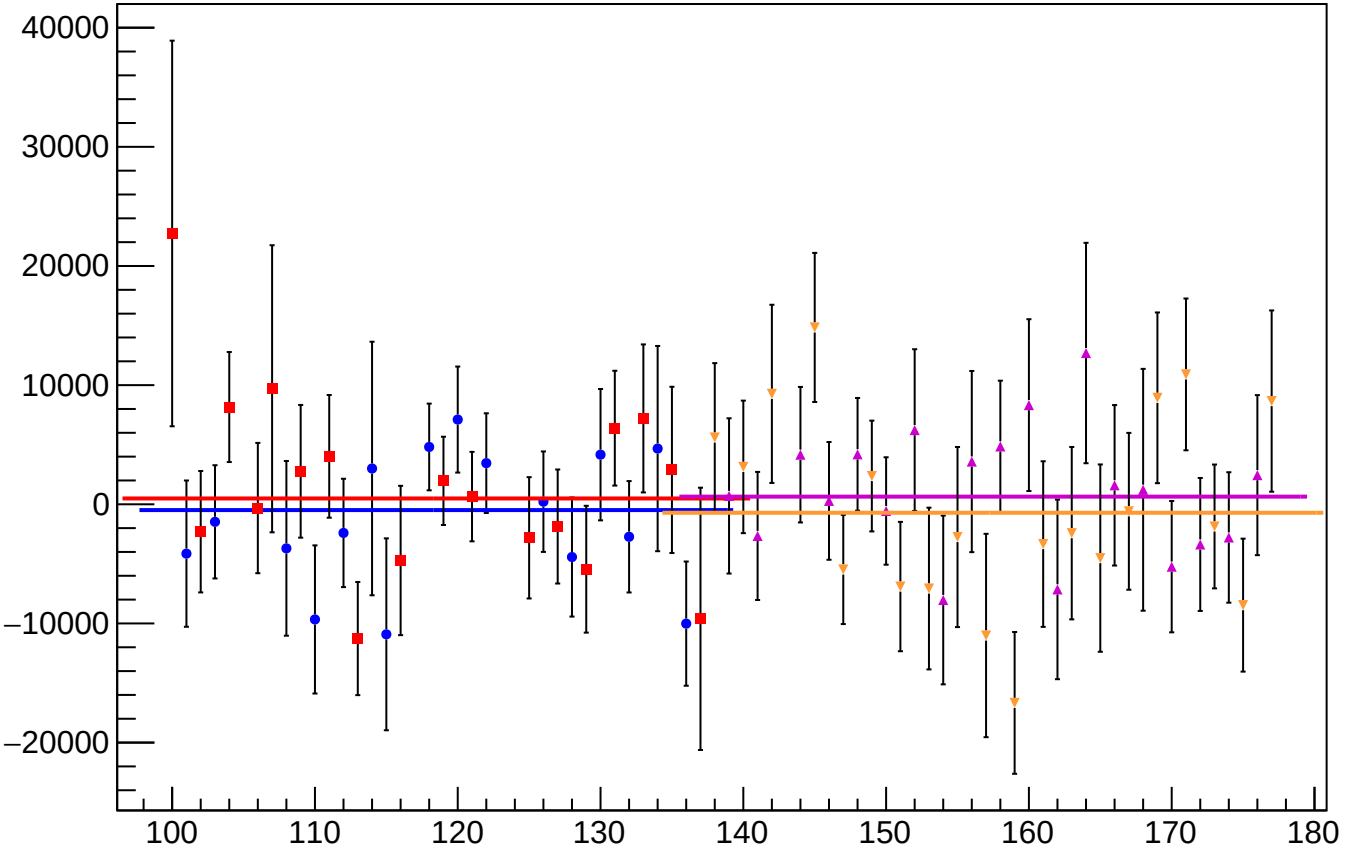
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1502.600+/-0.224 χ^2/NDF:343798.0/34

Out: 1484.802+/-0.219 χ^2/NDF:418470.2/37

All: 1493.530+/-0.157 χ^2/NDF: 765497.1/72

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: -709.839+/-1386.626 χ^2/NDF:31.0/19

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 642.869+/-1391.292 χ^2/NDF:10.4/18

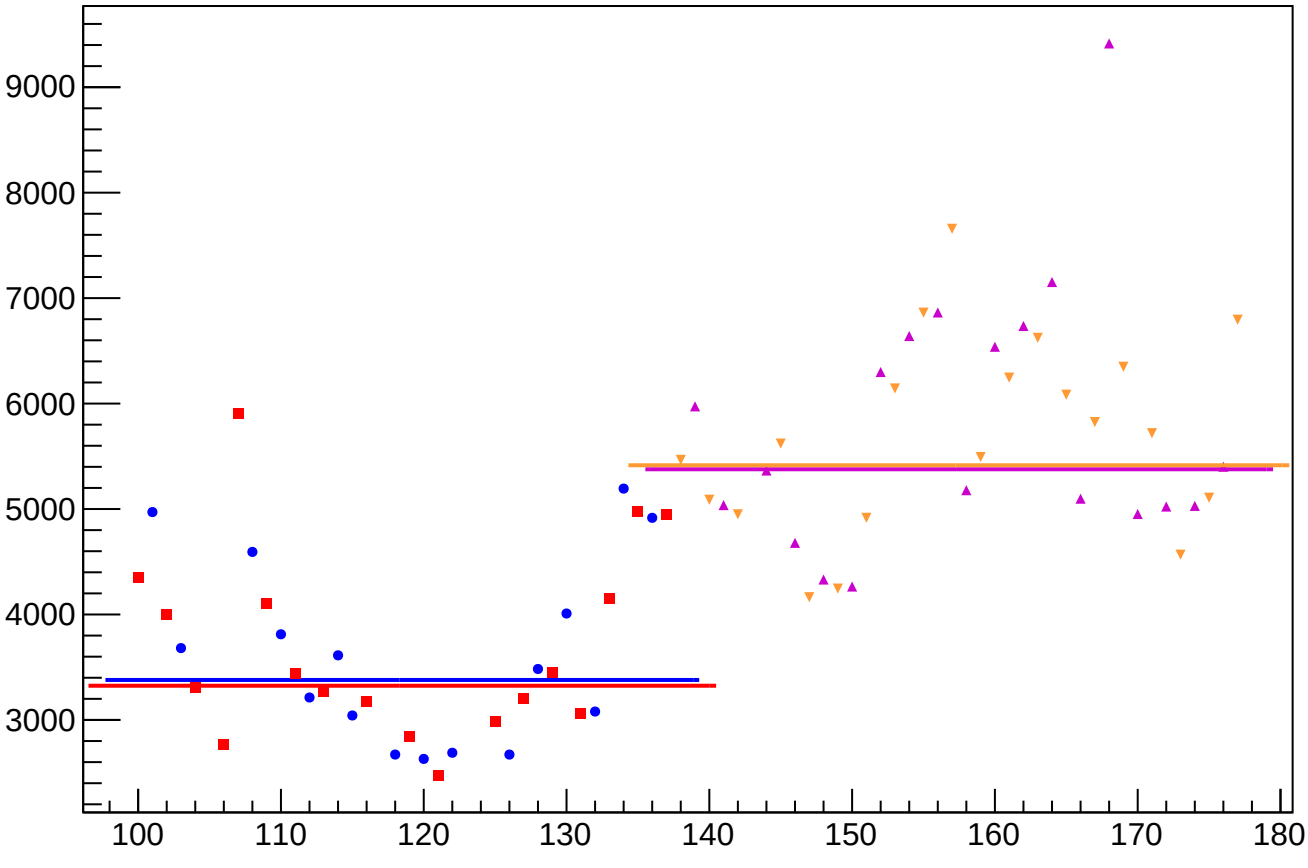
Left: -35.757+/-982.138 χ^2/NDF: 41.8/38

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: 37.690+/-947.891 χ^2/NDF:26.7/34

Out: -54.035+/-933.048 χ^2/NDF:50.1/37

All: -8.896+/-664.950 χ^2/NDF: 76.7/72



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5415.046+/-0.980 χ^2/NDF:814785.3/19

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5377.099+/-0.984 χ^2/NDF:1002421.9/18

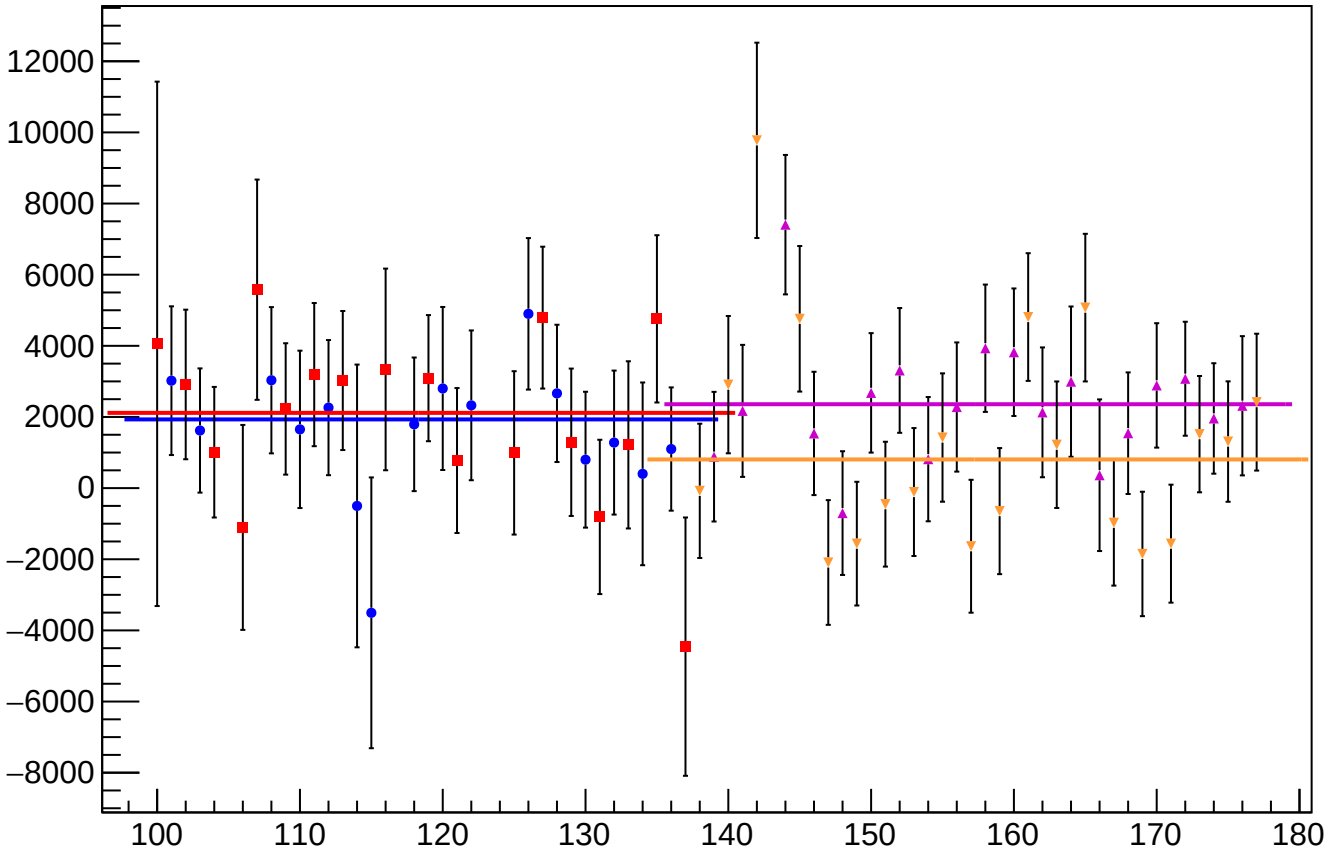
Left: 5396.136+/-0.694 χ^2/NDF: 1817953.7/38

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4306.524+/-0.670 χ^2/NDF:3967819.0/34

Out: 4271.034+/-0.660 χ^2/NDF:3846381.5/37

All: 4288.499+/-0.470 χ^2/NDF: 7815624.5/72



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 806.361+/-408.721 χ^2/NDF:39.3/19

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2358.162+/-410.695 χ^2/NDF:14.7/18

Left: 1578.523+/-289.705 χ^2/NDF: 61.2/38

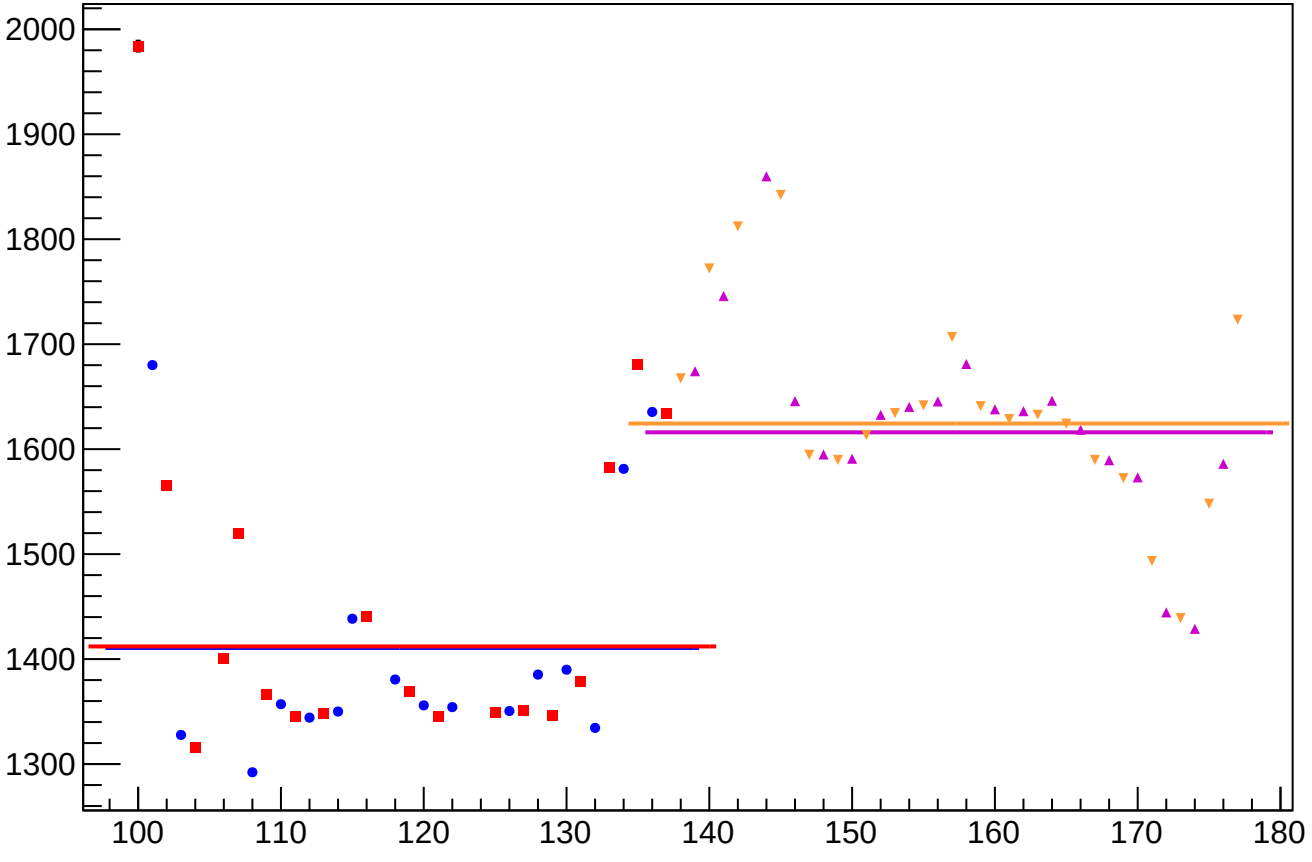
Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2197.015+/-323.974 χ^2/NDF:21.5/34

Out: 1295.843+/-323.385 χ^2/NDF:56.3/37

All: 1745.608+/-228.876 χ^2/NDF: 81.7/72

dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1624.434+/-0.289 χ^2/NDF:100683.4/19

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

Left In: 1616.029+/-0.290 χ^2/NDF:102990.0/18

Left: 1620.252+/-0.205 χ^2/NDF: 204094.2/38

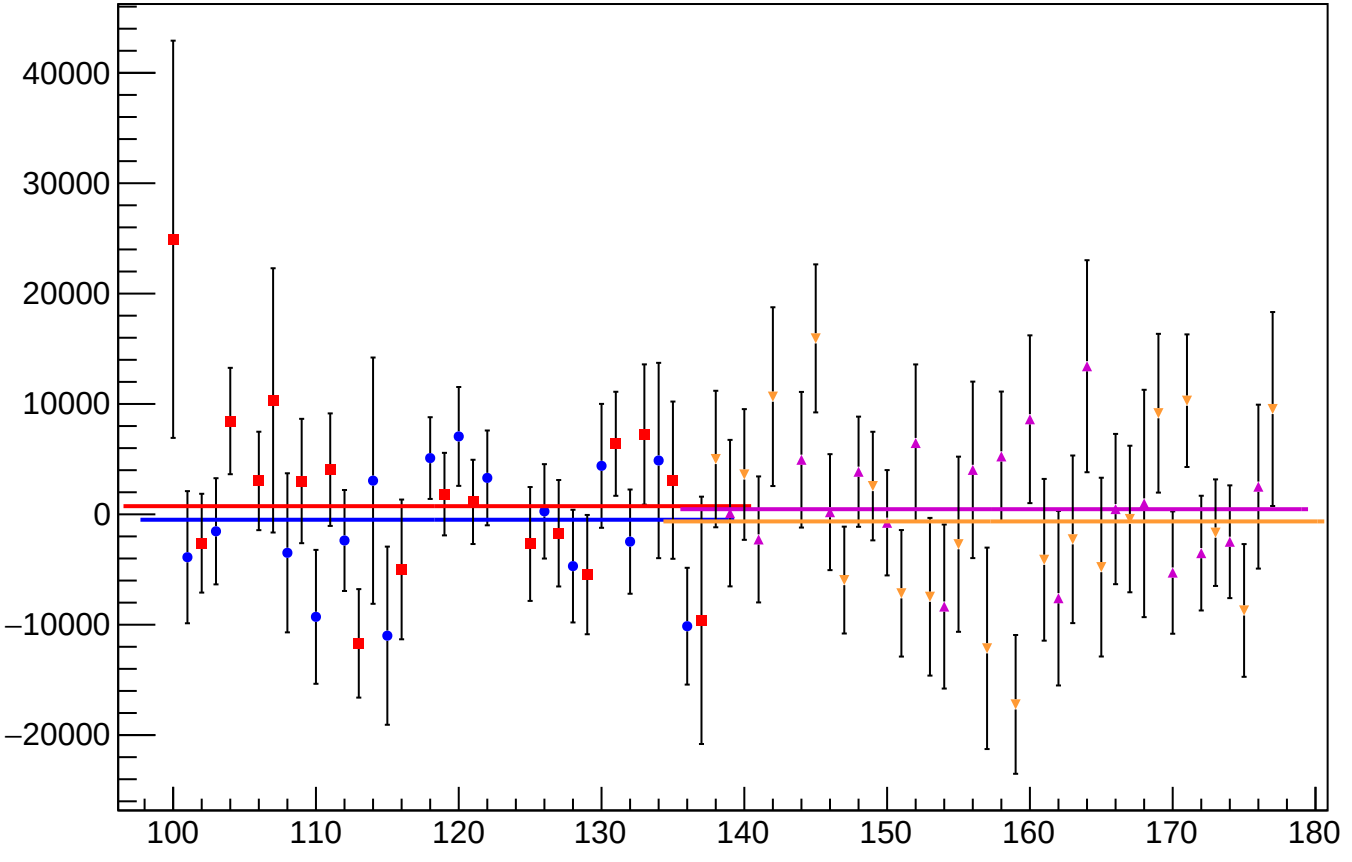
Right: 1411.321+/-0.264 χ^2/NDF: 188862.1/33

In: 1538.432+/-0.229 χ^2/NDF:391162.1/34

Out: 1544.739+/-0.228 χ^2/NDF:393031.2/37

All: 1541.594+/-0.162 χ^2/NDF: 784573.4/72

asym_usl_atl2_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: -641.169+/-1437.674 χ^2/NDF:30.7/19

Right Out: 740.592+/-1247.947 χ^2/NDF: 19.2/17

Left In: 466.082+/-1437.723 χ^2/NDF:10.4/18

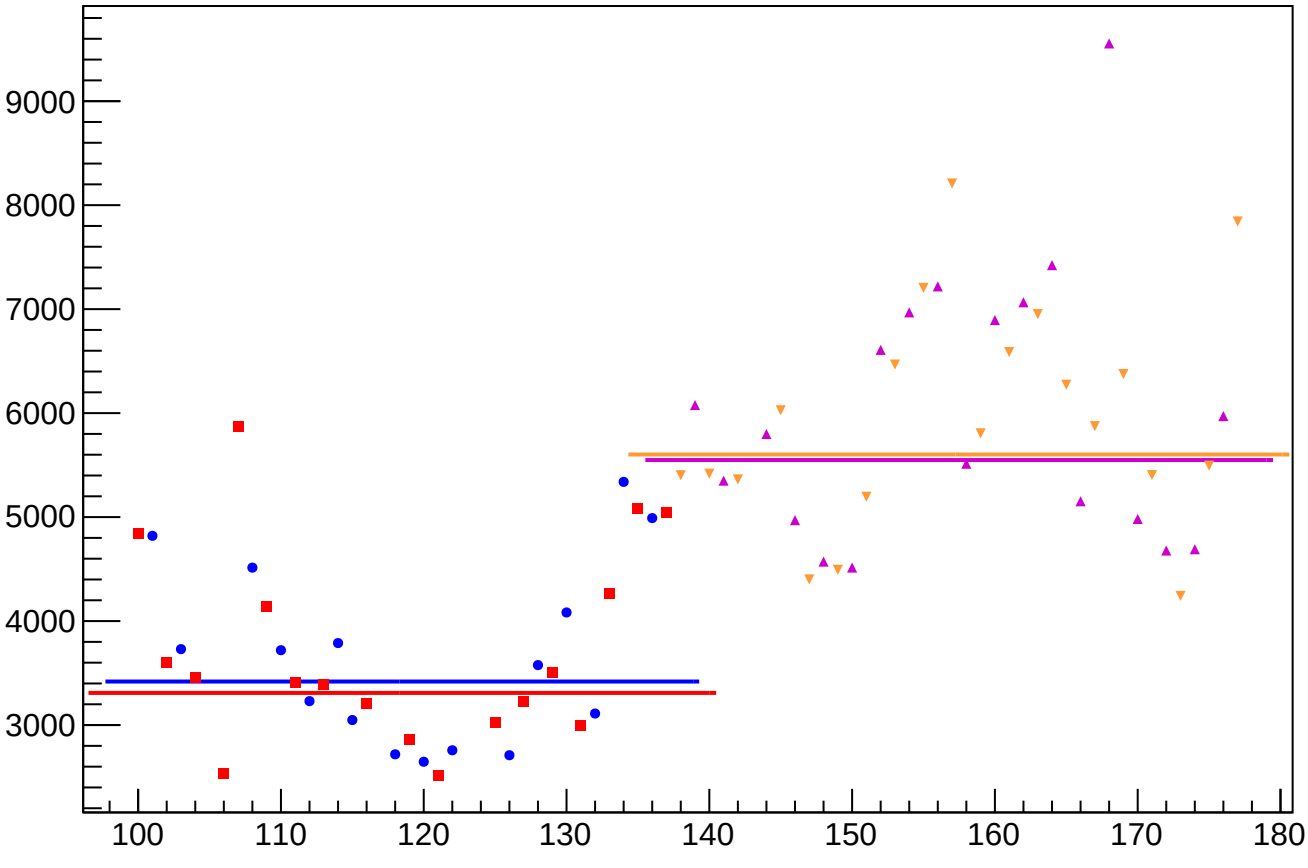
Left: -87.562+/-1016.606 χ^2/NDF: 41.4/38

Right: 154.802+/-903.143 χ^2/NDF: 35.5/33

In: -56.451+/-967.793 χ^2/NDF:26.4/34

Out: 146.842+/-942.423 χ^2/NDF:50.5/37

All: 47.895+/-675.185 χ^2/NDF: 76.9/72



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5602.083+/-1.017 χ^2/NDF:956089.8/19

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

Left In: 5548.756+/-1.017 χ^2/NDF:1079546.5/18

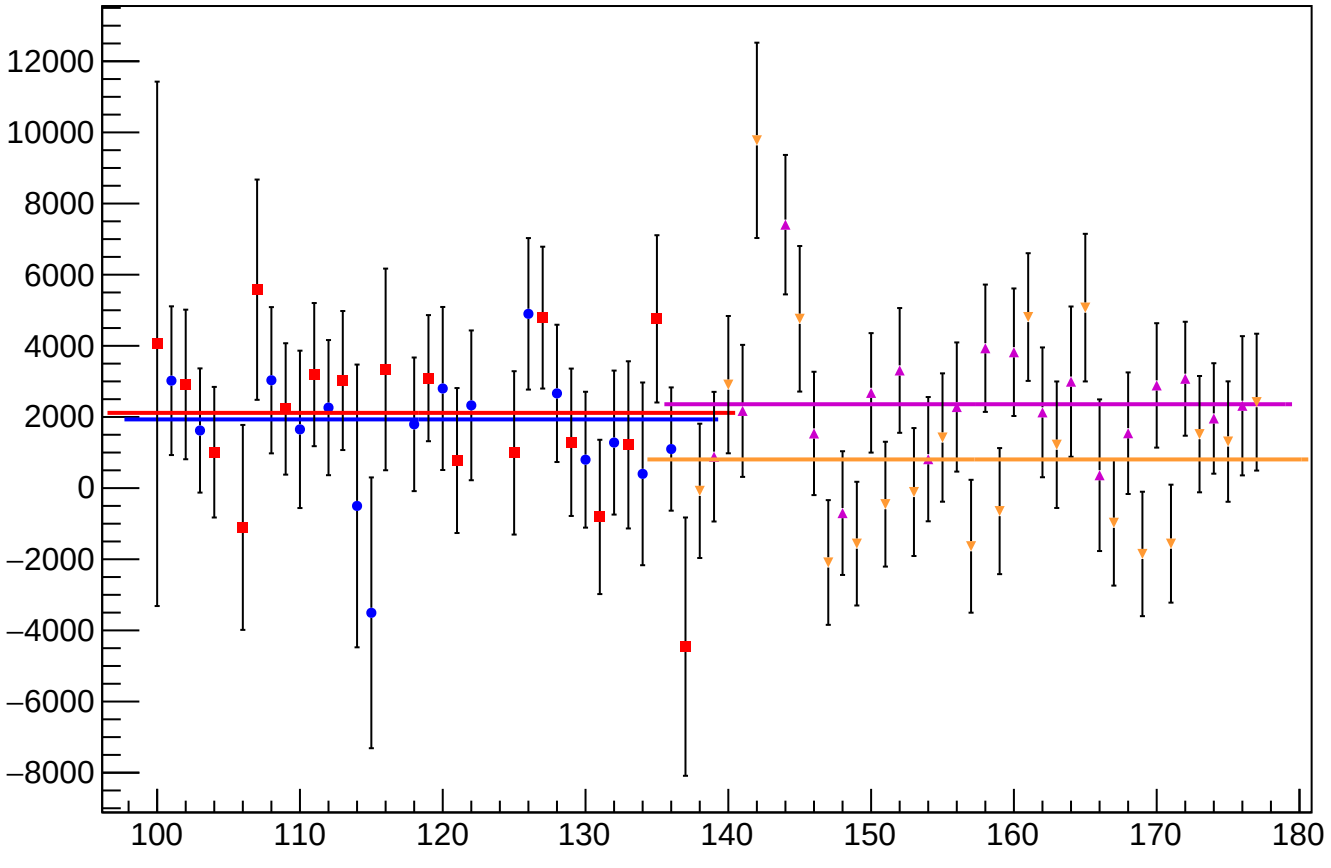
Left: 5575.420+/-0.719 χ^2/NDF: 2037012.1/38

Right: 3361.304+/-0.639 χ^2/NDF: 1300501.2/33

In: 4383.876+/-0.684 χ^2/NDF:4201541.2/34

Out: 4294.414+/-0.666 χ^2/NDF:4429414.7/37

All: 4337.957+/-0.477 χ^2/NDF: 8639727.7/72



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 806.355+/-408.721 χ^2/NDF:39.3/19

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2358.164+/-410.695 χ^2/NDF:14.7/18

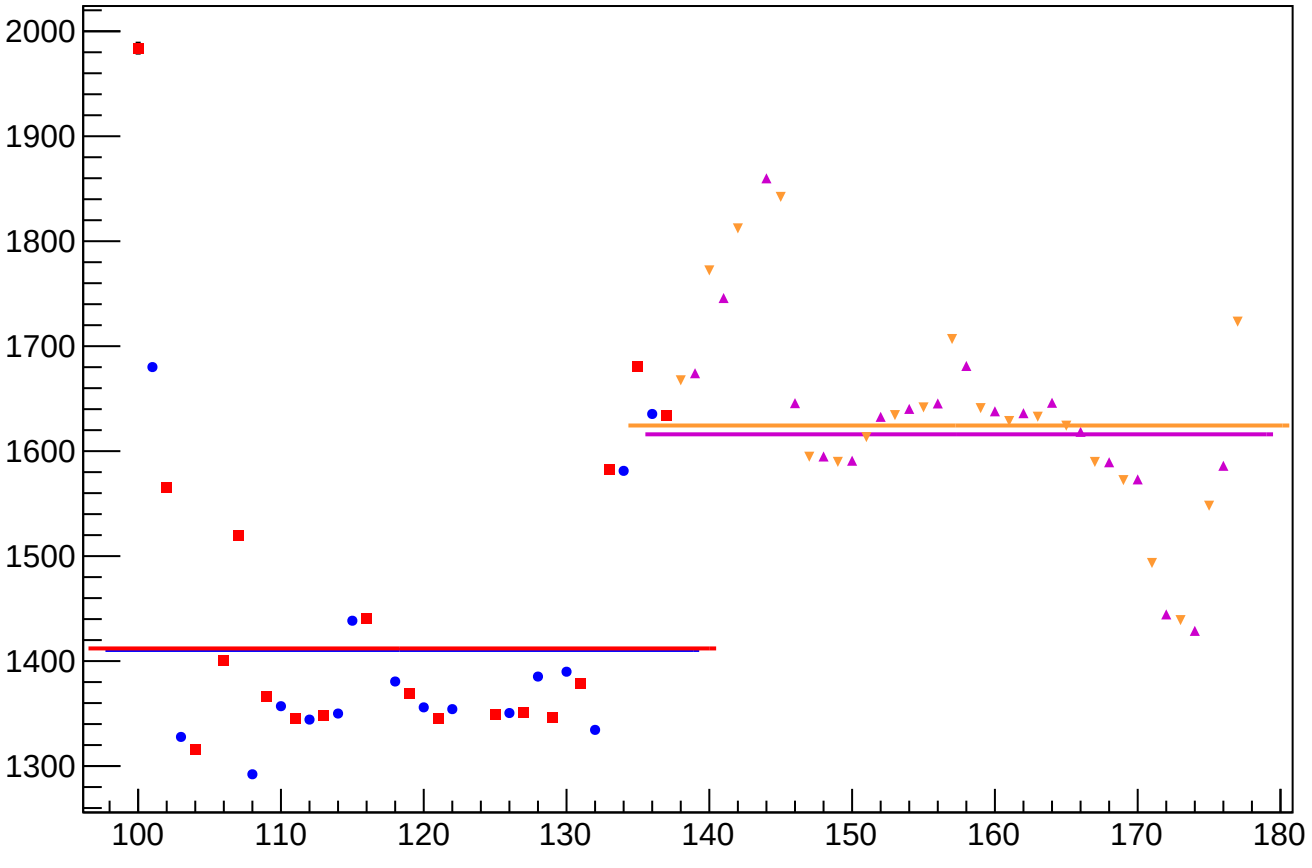
Left: 1578.521+/-289.705 χ^2/NDF: 61.2/38

Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2197.016+/-323.974 χ^2/NDF:21.5/34

Out: 1295.840+/-323.385 χ^2/NDF:56.3/37

All: 1745.608+/-228.876 χ^2/NDF: 81.7/72



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1624.435+/-0.289 χ^2/NDF:100687.8/19

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1616.030+/-0.290 χ^2/NDF:102993.3/18

Left: 1620.253+/-0.205 χ^2/NDF: 204102.0/38

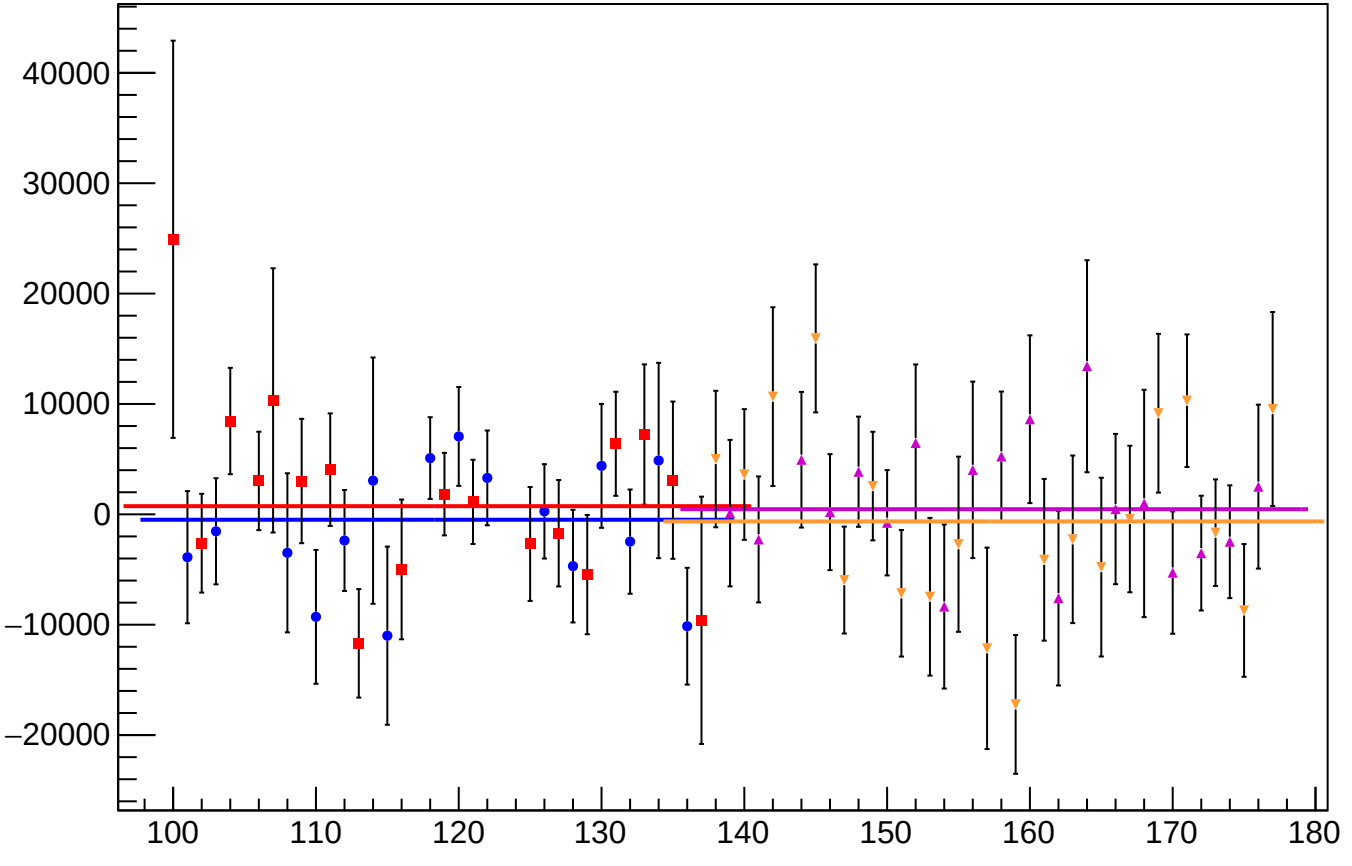
Right: 1411.321+/-0.264 χ^2/NDF: 188862.2/33

In: 1538.432+/-0.229 χ^2/NDF:391166.4/34

Out: 1544.740+/-0.228 χ^2/NDF:393037.7/37

All: 1541.595+/-0.162 χ^2/NDF: 784584.2/72

asym_usl_atl2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: -641.175+/-1437.676 χ^2/NDF:30.7/19

Right Out: 740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: 466.083+/-1437.725 χ^2/NDF:10.4/18

Left: -87.565+/-1016.608 χ^2/NDF: 41.4/38

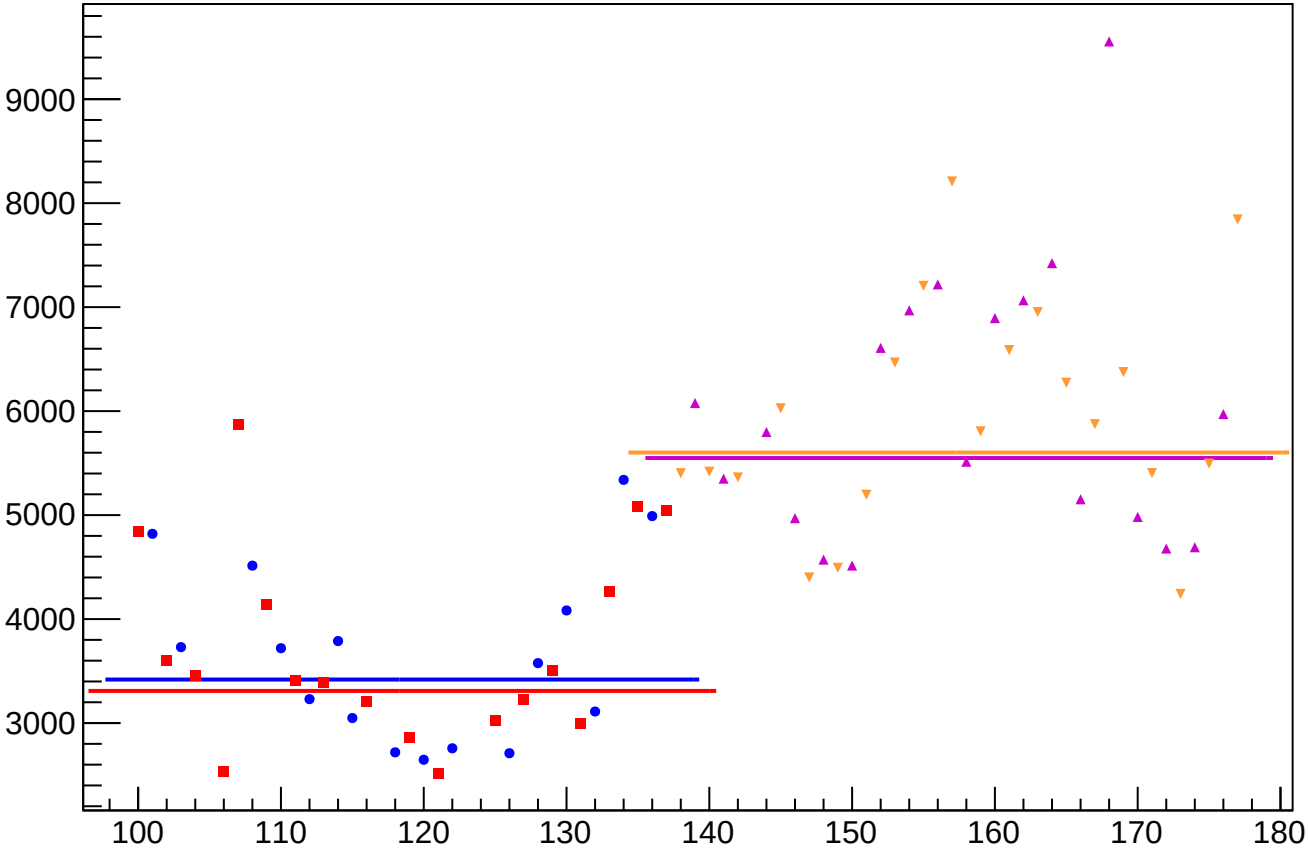
Right: 154.807+/-903.141 χ^2/NDF: 35.5/33

In: -56.449+/-967.792 χ^2/NDF:26.4/34

Out: 146.843+/-942.422 χ^2/NDF:50.5/37

All: 47.897+/-675.184 χ^2/NDF: 76.9/72

asym_usl_atl2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5602.092+/-1.017 χ^2/NDF:956090.2/19

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

Left In: 5548.765+/-1.017 χ^2/NDF:1079547.1/18

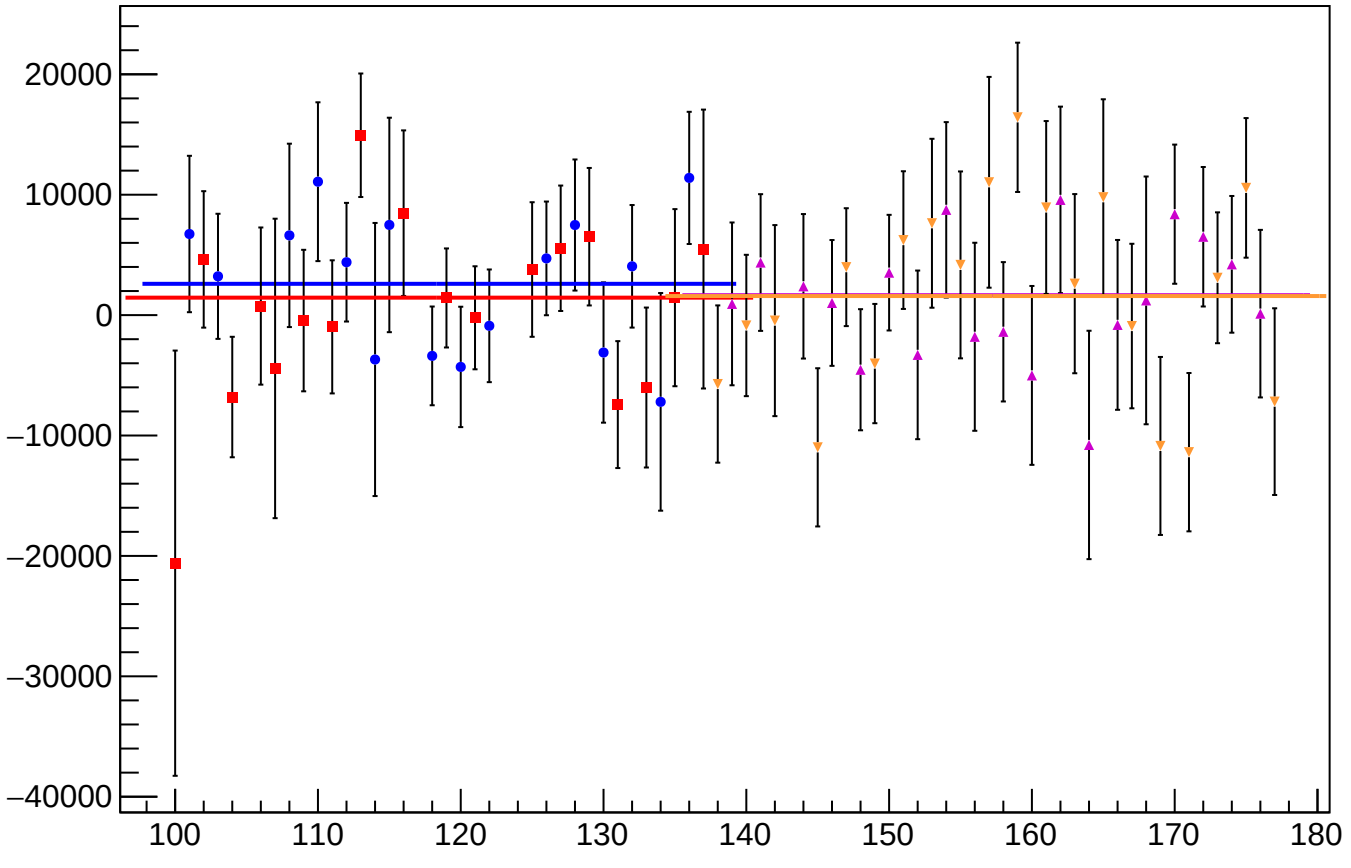
Left: 5575.429+/-0.719 χ^2/NDF: 2037013.2/38

Right: 3361.294+/-0.639 χ^2/NDF: 1300513.6/33

In: 4383.868+/-0.684 χ^2/NDF:4201597.0/34

Out: 4294.407+/-0.666 χ^2/NDF:4429469.2/37

All: 4337.950+/-0.477 χ^2/NDF: 8639837.9/72



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: 1583.694+/-1449.062 χ^2/NDF:27.8/19

Right Out: 1450.418+/-1382.818 χ^2/NDF: 19.0/17

Left In: 1654.661+/-1454.684 χ^2/NDF:9.9/18

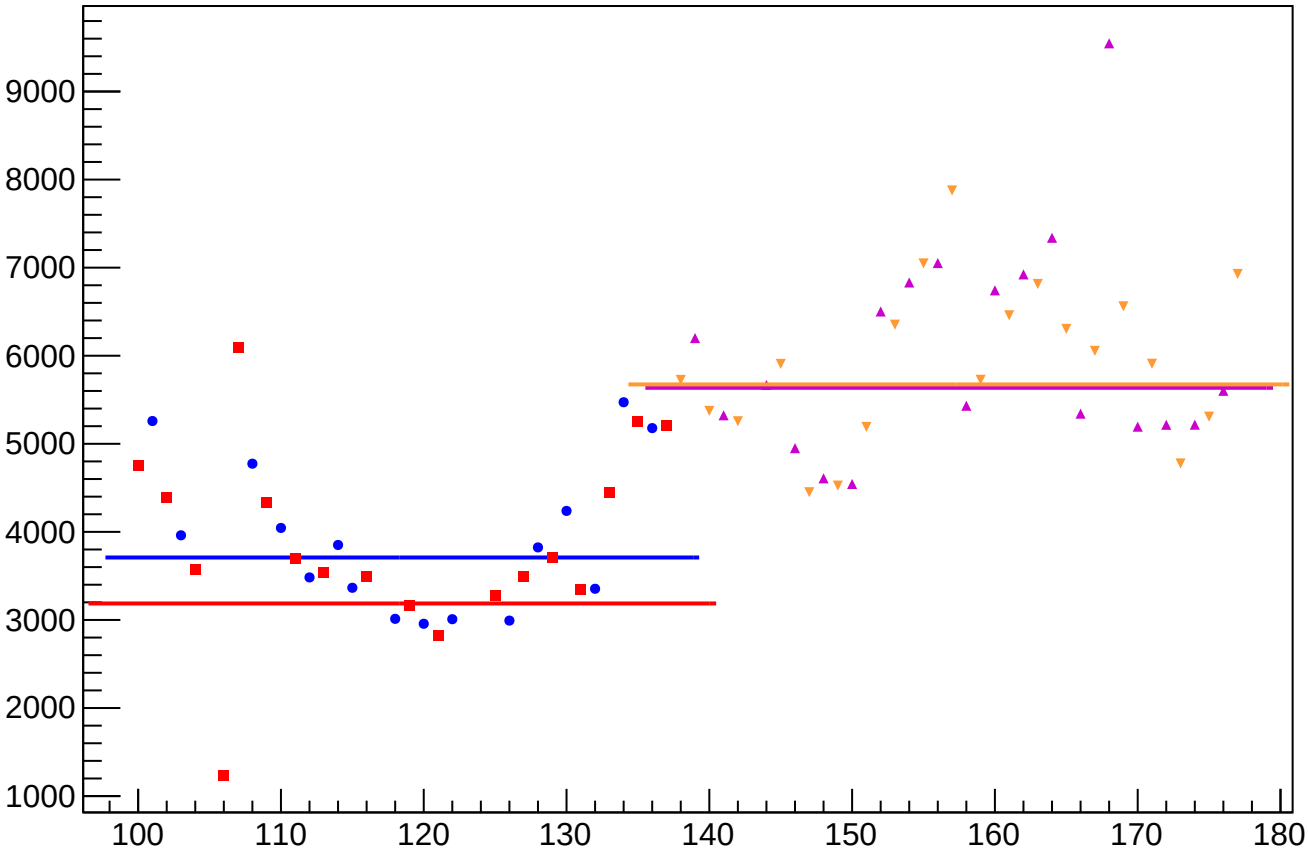
Left: 1619.040+/-1026.624 χ^2/NDF: 37.6/38

Right: 2012.006+/-988.811 χ^2/NDF: 32.9/33

In: 2140.374+/-1014.111 χ^2/NDF:23.6/34

Out: 1513.940+/-1000.399 χ^2/NDF:46.8/37

All: 1822.893+/-712.187 χ^2/NDF: 70.6/72



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5674.203+/-1.025 χ^2/NDF:703649.4/19

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

Left In: 5635.790+/-1.029 χ^2/NDF:883886.3/18

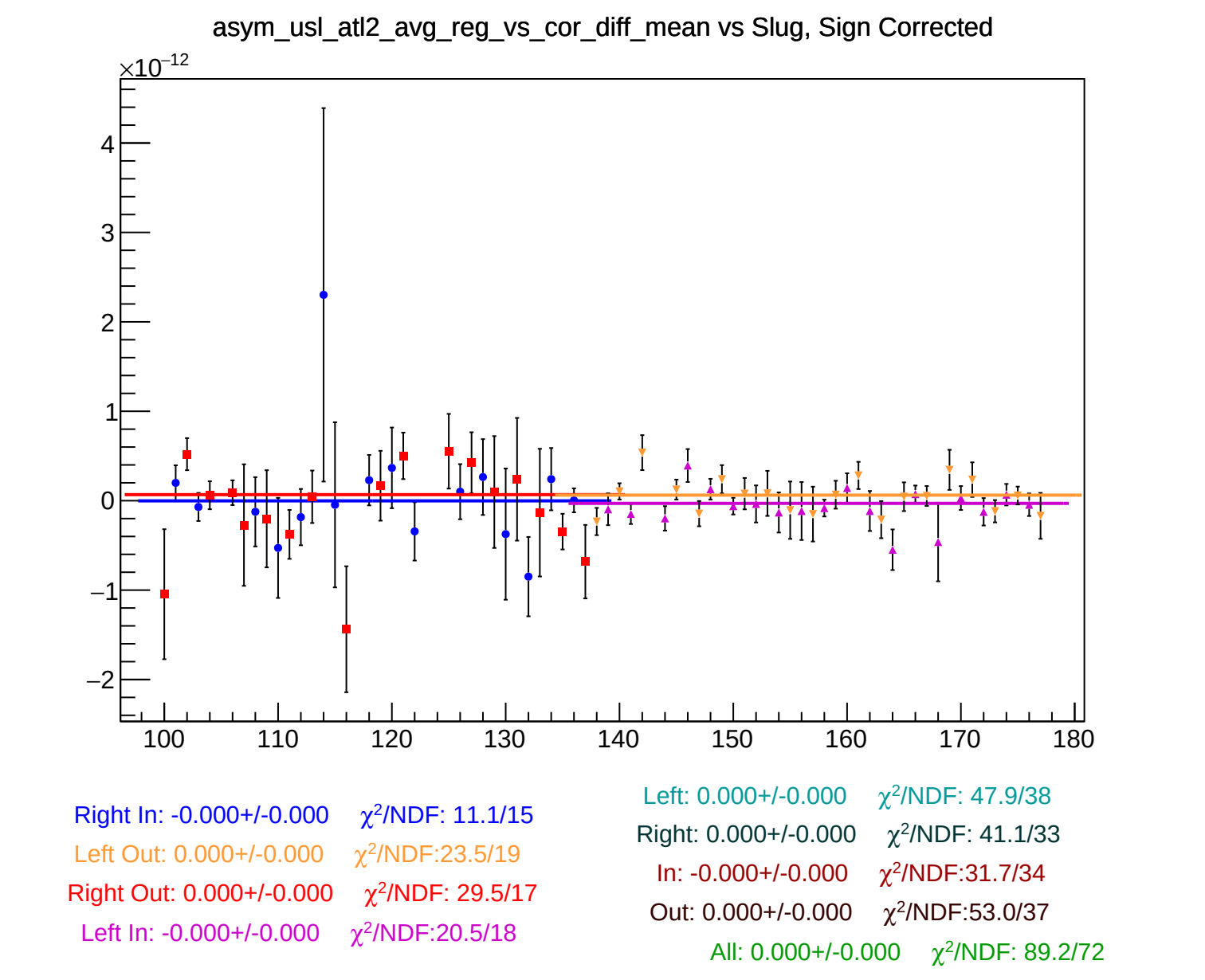
Left: 5655.071+/-0.726 χ^2/NDF: 1588235.6/38

Right: 3419.452+/-0.667 χ^2/NDF: 2372609.3/33

In: 4645.491+/-0.717 χ^2/NDF:3297784.7/34

Out: 4264.273+/-0.674 χ^2/NDF:5654348.2/37

All: 4443.173+/-0.491 χ^2/NDF: 9102125.1/72


asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
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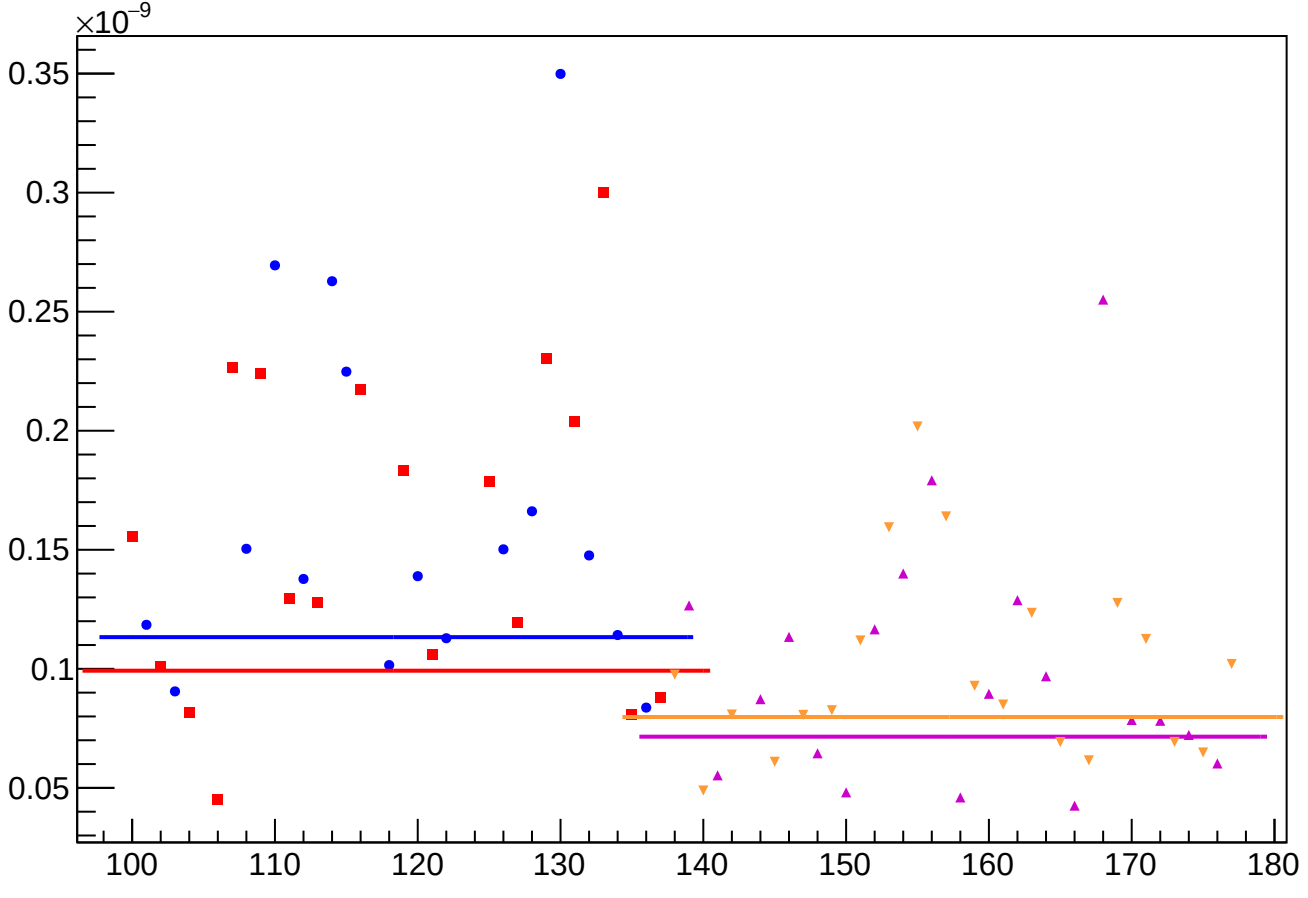
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 11.1/15
Left Out: 0.000+/-0.000 χ²/NDF:23.5/19
Right Out: 0.000+/-0.000 χ²/NDF: 29.5/17
Left In: -0.000+/-0.000 χ²/NDF:20.5/18
Left: 0.000+/-0.000 χ²/NDF: 47.9/38
Right: 0.000+/-0.000 χ²/NDF: 41.1/33
In: -0.000+/-0.000 χ²/NDF:31.7/34
Out: 0.000+/-0.000 χ²/NDF:53.0/37
All: 0.000+/-0.000 χ²/NDF: 89.2/72



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1412695.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1884921.6/18

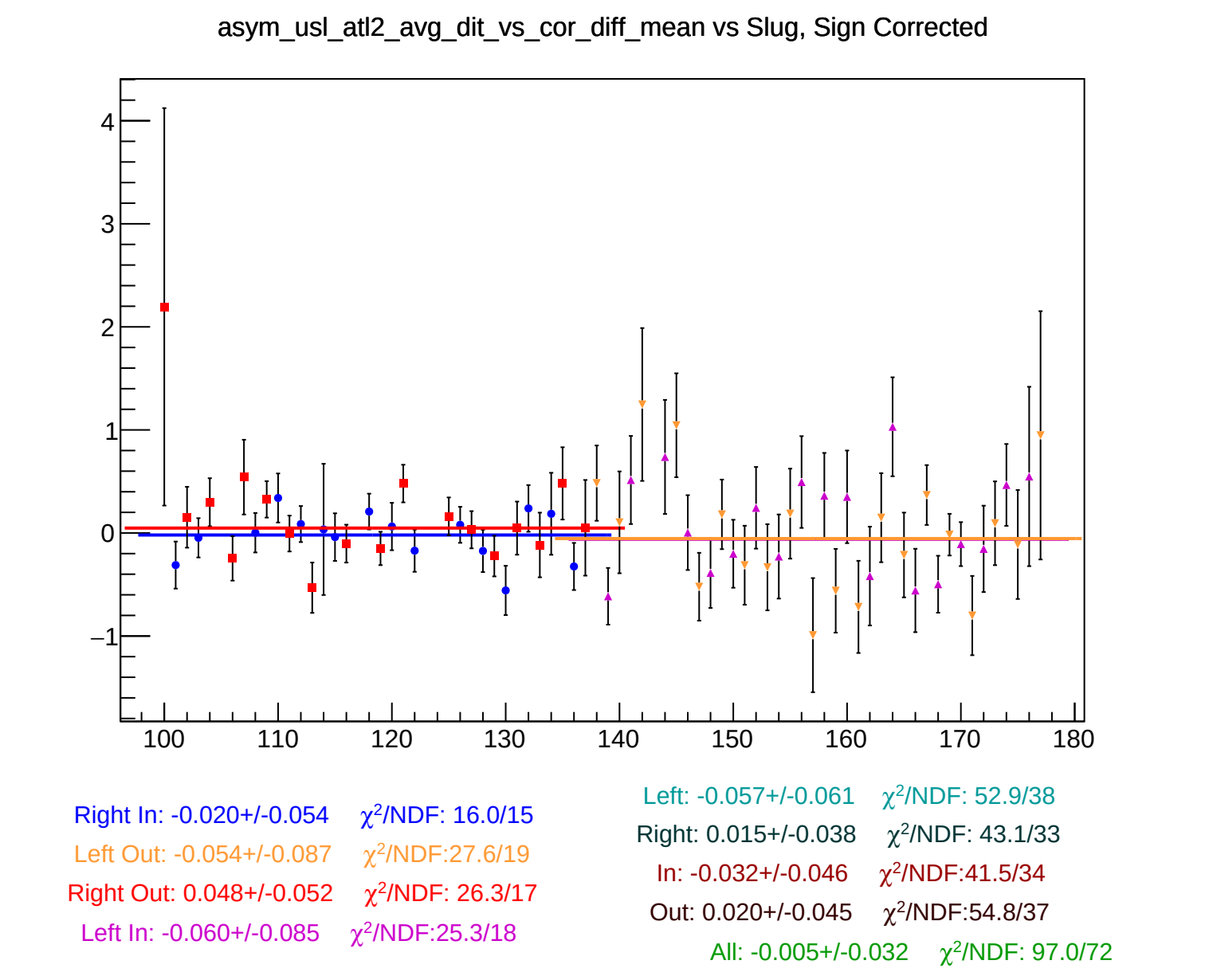
Left: 0.000+/-0.000 χ^2/NDF: 3360727.5/38

Right: 0.000+/-0.000 χ^2/NDF: 1799459.5/33

In: 0.000+/-0.000 χ^2/NDF:3124187.8/34

Out: 0.000+/-0.000 χ^2/NDF:2652488.4/37

All: 0.000+/-0.000 χ^2/NDF: 5806603.5/72


asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
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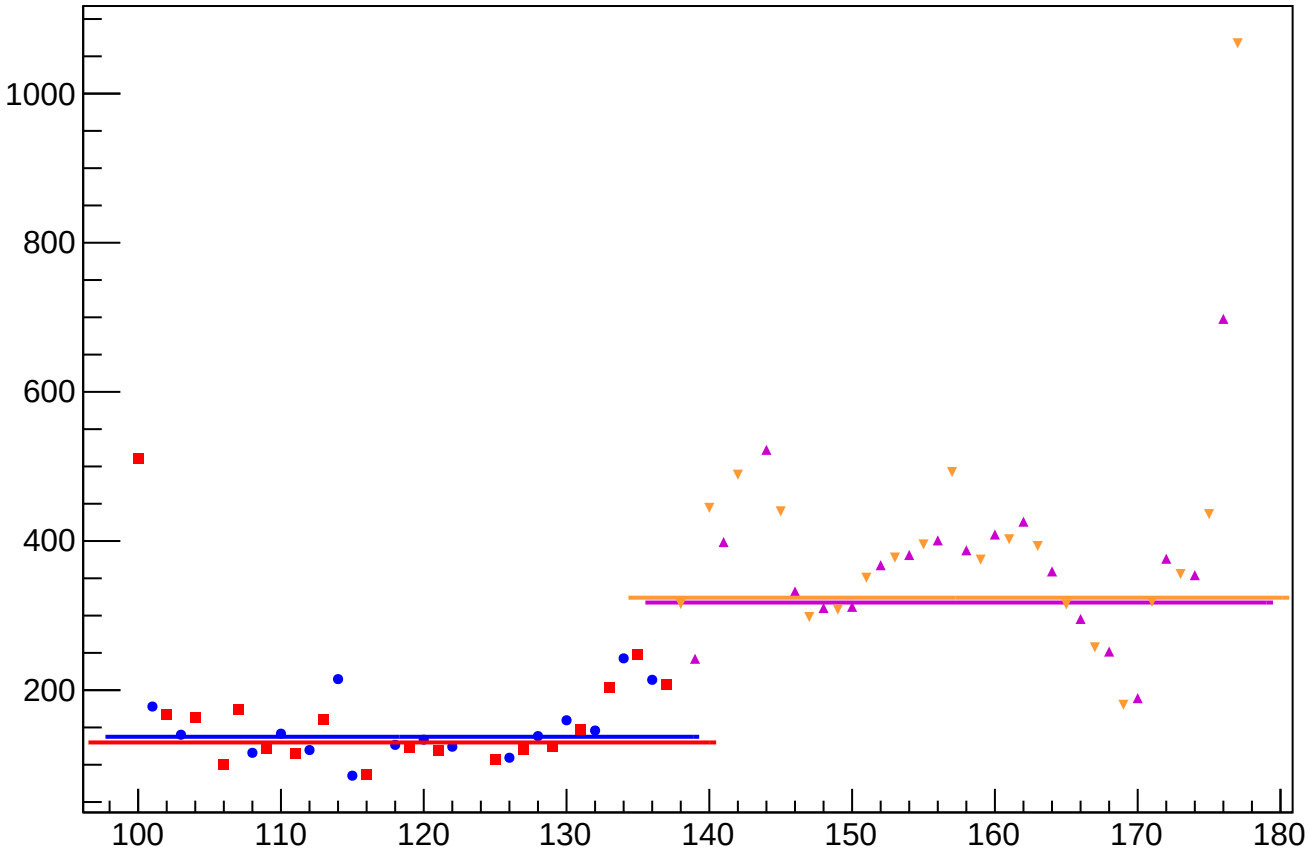
−1
100
110
120
130
140
150
160
170
180
Right In: -0.020+/-0.054 χ²/NDF: 16.0/15
Left Out: -0.054+/-0.087 χ²/NDF:27.6/19
Right Out: 0.048+/-0.052 χ²/NDF: 26.3/17
Left In: -0.060+/-0.085 χ²/NDF:25.3/18
Left: -0.057+/-0.061 χ²/NDF: 52.9/38
Right: 0.015+/-0.038 χ²/NDF: 43.1/33
In: -0.032+/-0.046 χ²/NDF:41.5/34
Out: 0.020+/-0.045 χ²/NDF:54.8/37
All: -0.005+/-0.032 χ²/NDF: 97.0/72



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 324.013+/-0.062 χ^2/NDF:2745996.0/19

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 317.515+/-0.060 χ^2/NDF:2189448.2/18

Left: 320.684+/-0.043 χ^2/NDF: 4941159.6/38

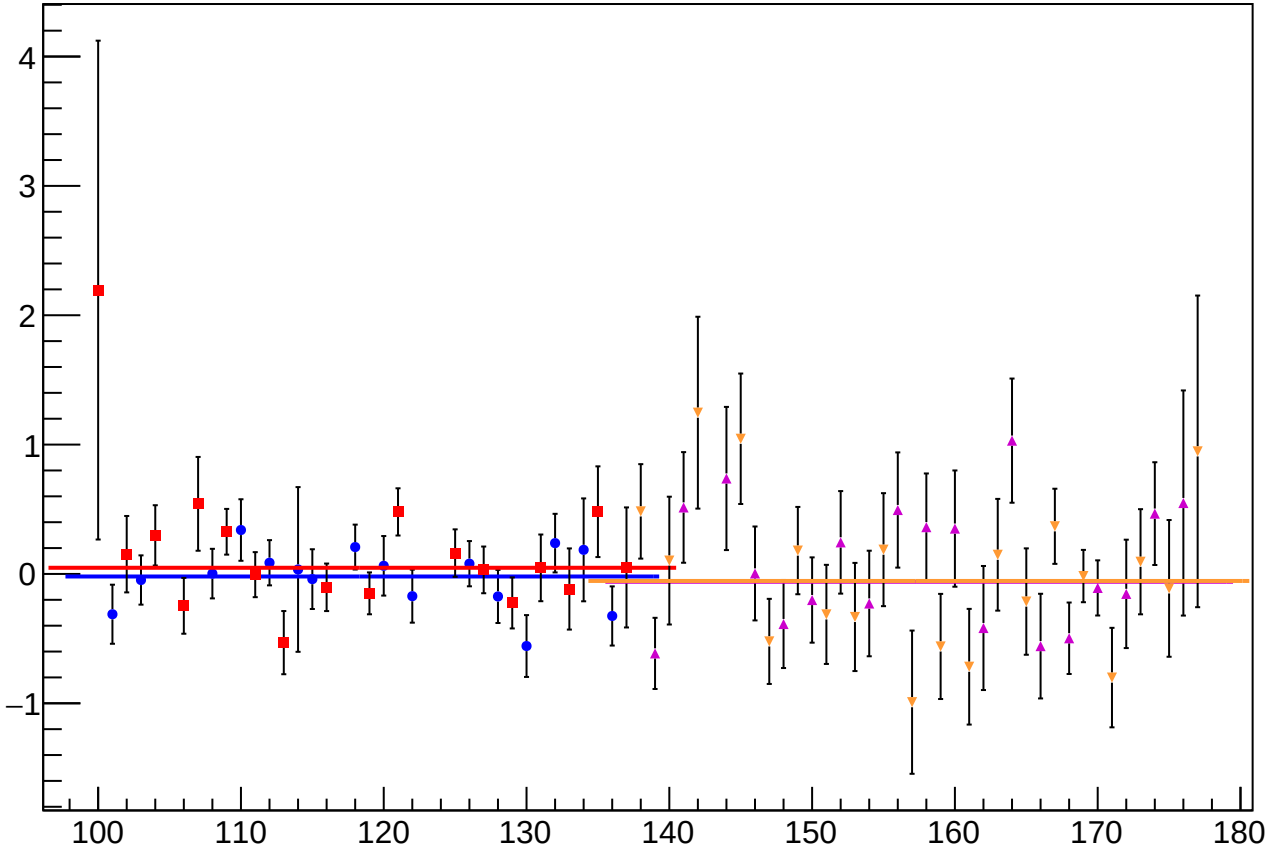
Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 189.640+/-0.032 χ^2/NDF:9272389.6/34

Out: 181.698+/-0.032 χ^2/NDF:10879686.7/37

All: 185.604+/-0.023 χ^2/NDF: 20182793.5/72

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.054+/-0.087 χ^2/NDF:27.6/19

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.060+/-0.085 χ^2/NDF:25.3/18

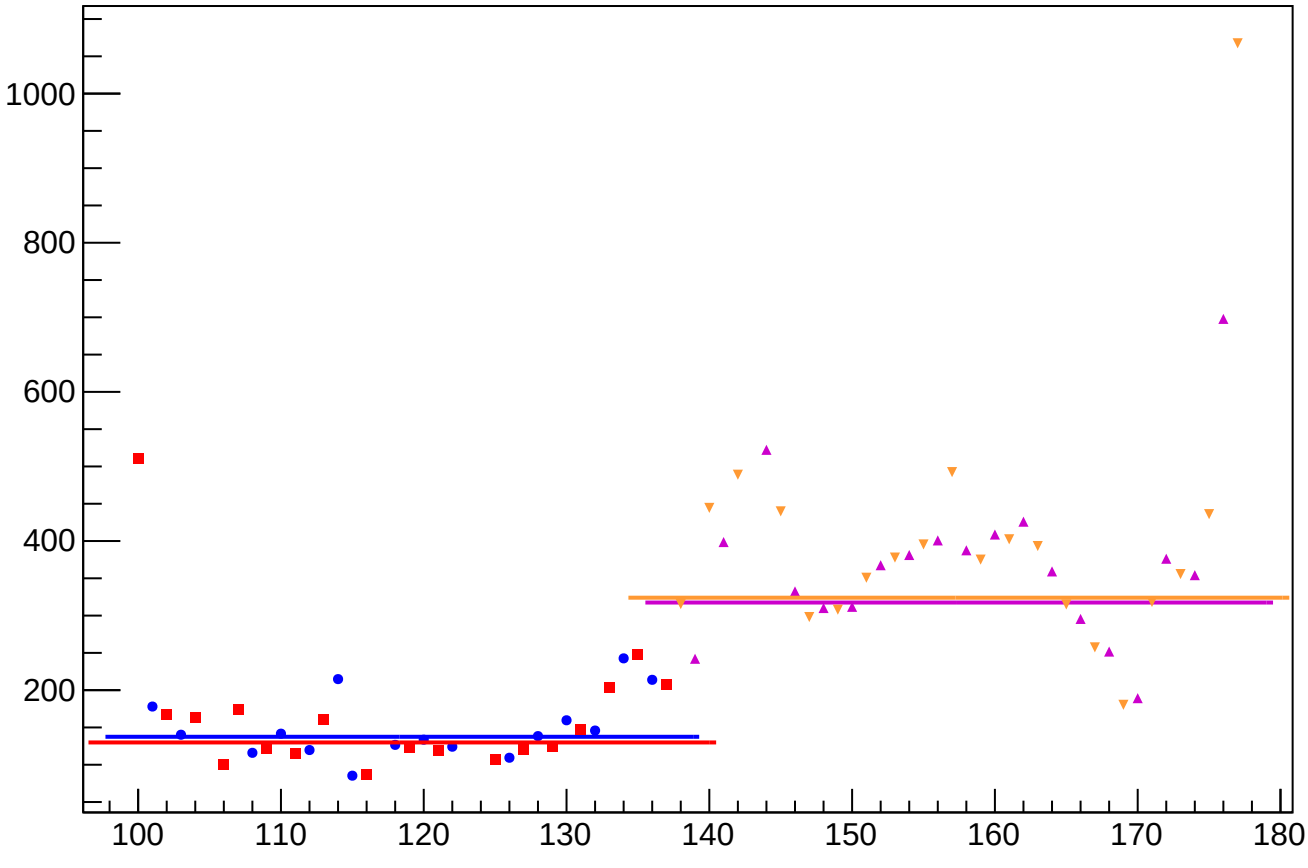
Left: -0.057+/-0.061 χ^2/NDF: 52.9/38

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.032+/-0.046 χ^2/NDF:41.5/34

Out: 0.020+/-0.045 χ^2/NDF:54.8/37

All: -0.005+/-0.032 χ^2/NDF: 97.0/72



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 324.013+/-0.062 χ^2/NDF:2745996.0/19

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 317.515+/-0.060 χ^2/NDF:2189448.2/18

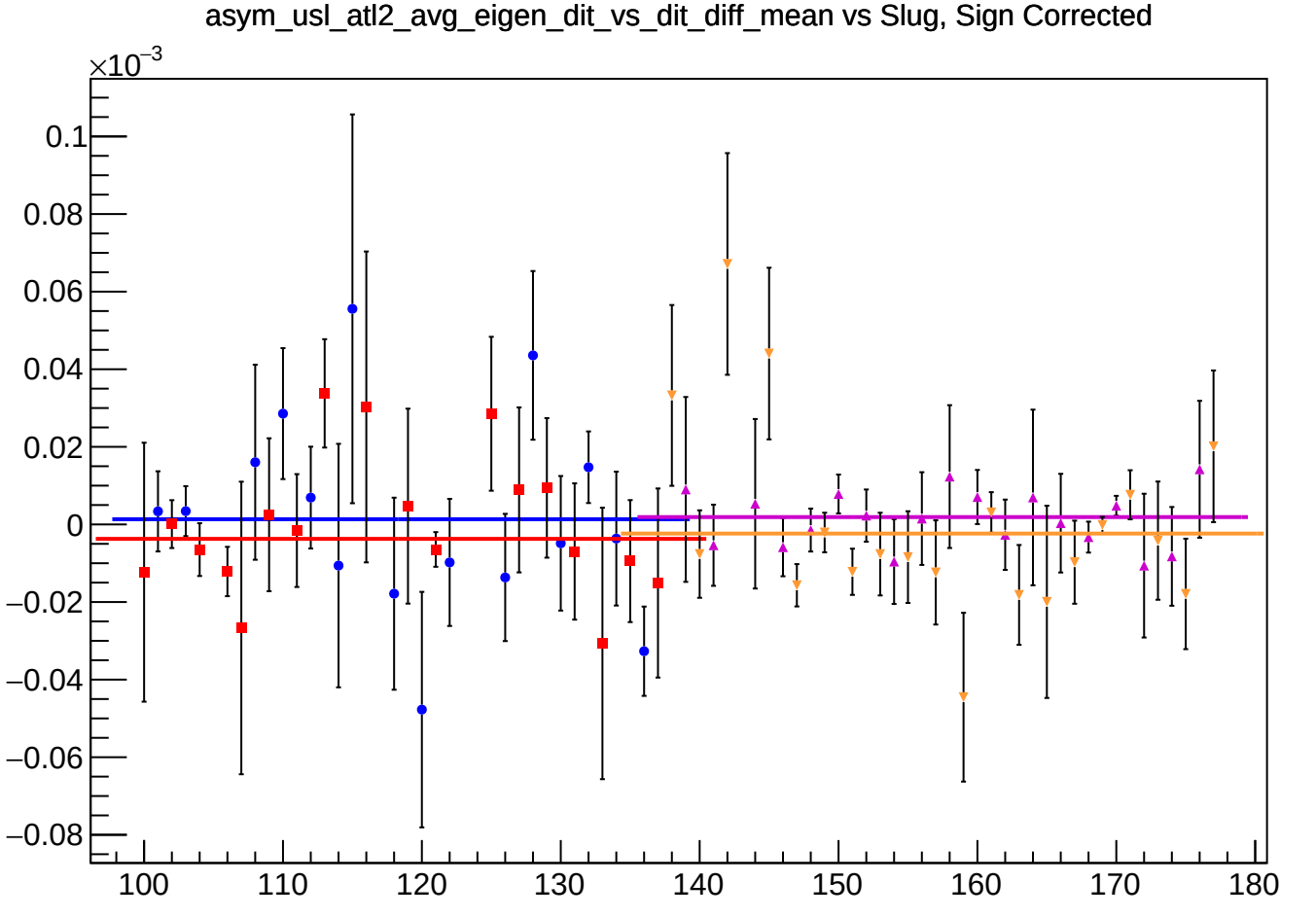
Left: 320.684+/-0.043 χ^2/NDF: 4941159.6/38

Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 189.640+/-0.032 χ^2/NDF:9272389.6/34

Out: 181.698+/-0.032 χ^2/NDF:10879686.7/37

All: 185.604+/-0.023 χ^2/NDF: 20182793.5/72



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/19

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: 0.000+/-0.000 χ^2/NDF:10.3/18

Left: -0.000+/-0.000 χ^2/NDF: 50.4/38

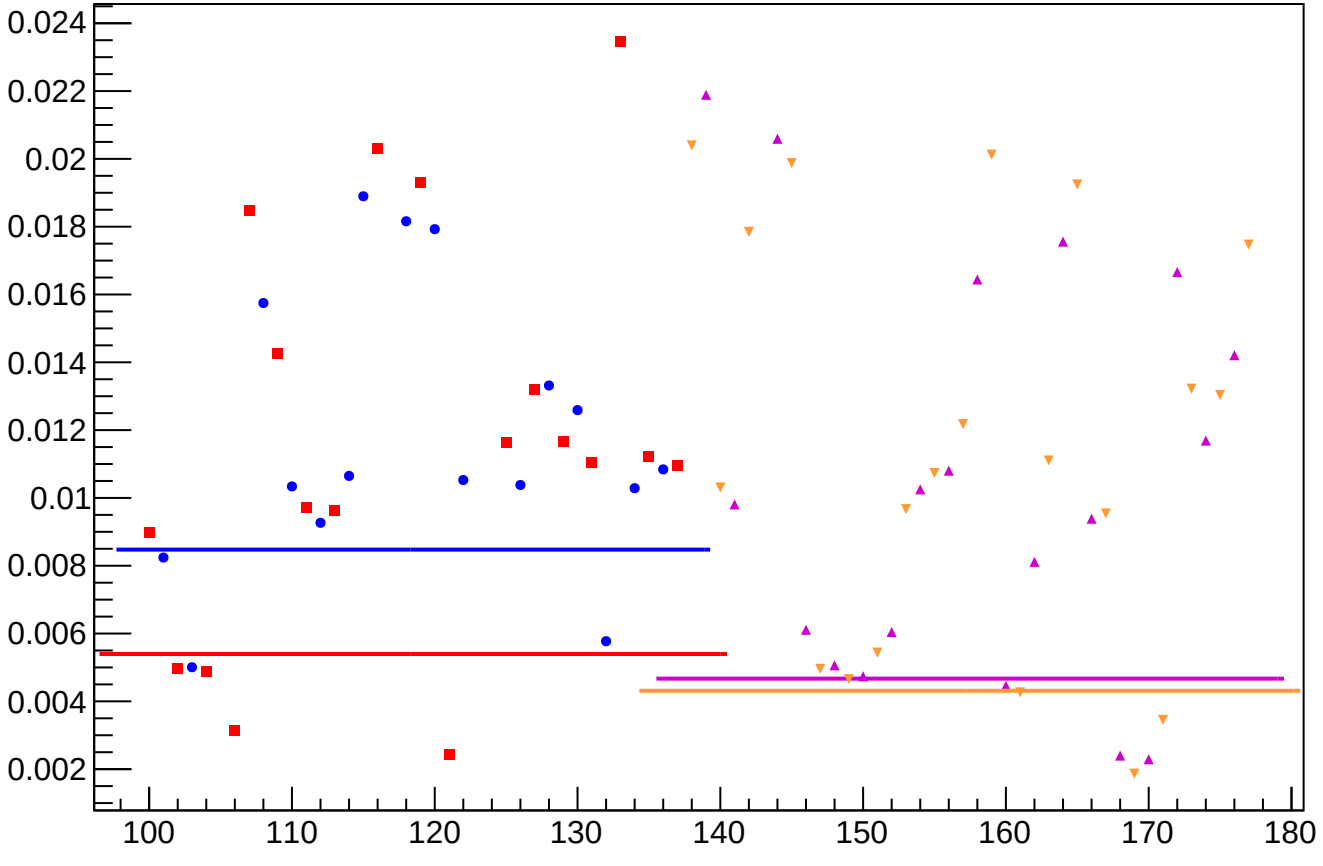
Right: -0.000+/-0.000 χ^2/NDF: 41.1/33

In: 0.000+/-0.000 χ^2/NDF:34.3/34

Out: -0.000+/-0.000 χ^2/NDF:52.1/37

All: -0.000+/-0.000 χ^2/NDF: 92.0/72

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:12815028.9/19

Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.005+/-0.000 χ^2/NDF:10255540.5/18

Left: 0.004+/-0.000 χ^2/NDF: 23126237.1/38

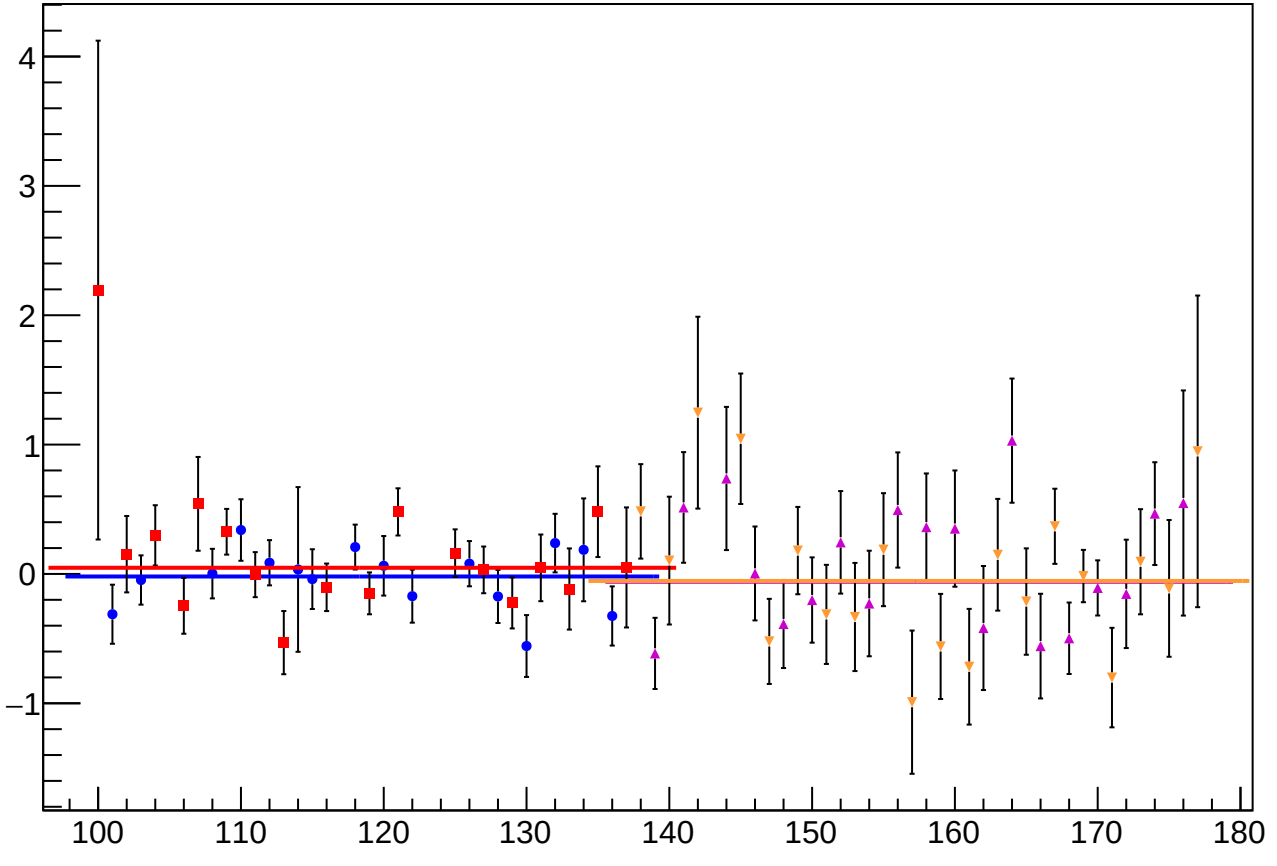
Right: 0.006+/-0.000 χ^2/NDF: 7872620.7/33

In: 0.005+/-0.000 χ^2/NDF:14205881.7/34

Out: 0.005+/-0.000 χ^2/NDF:17998665.1/37

All: 0.005+/-0.000 χ^2/NDF: 32493473.4/72

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: -0.054+/-0.087 χ^2/NDF:27.6/19

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.060+/-0.085 χ^2/NDF:25.3/18

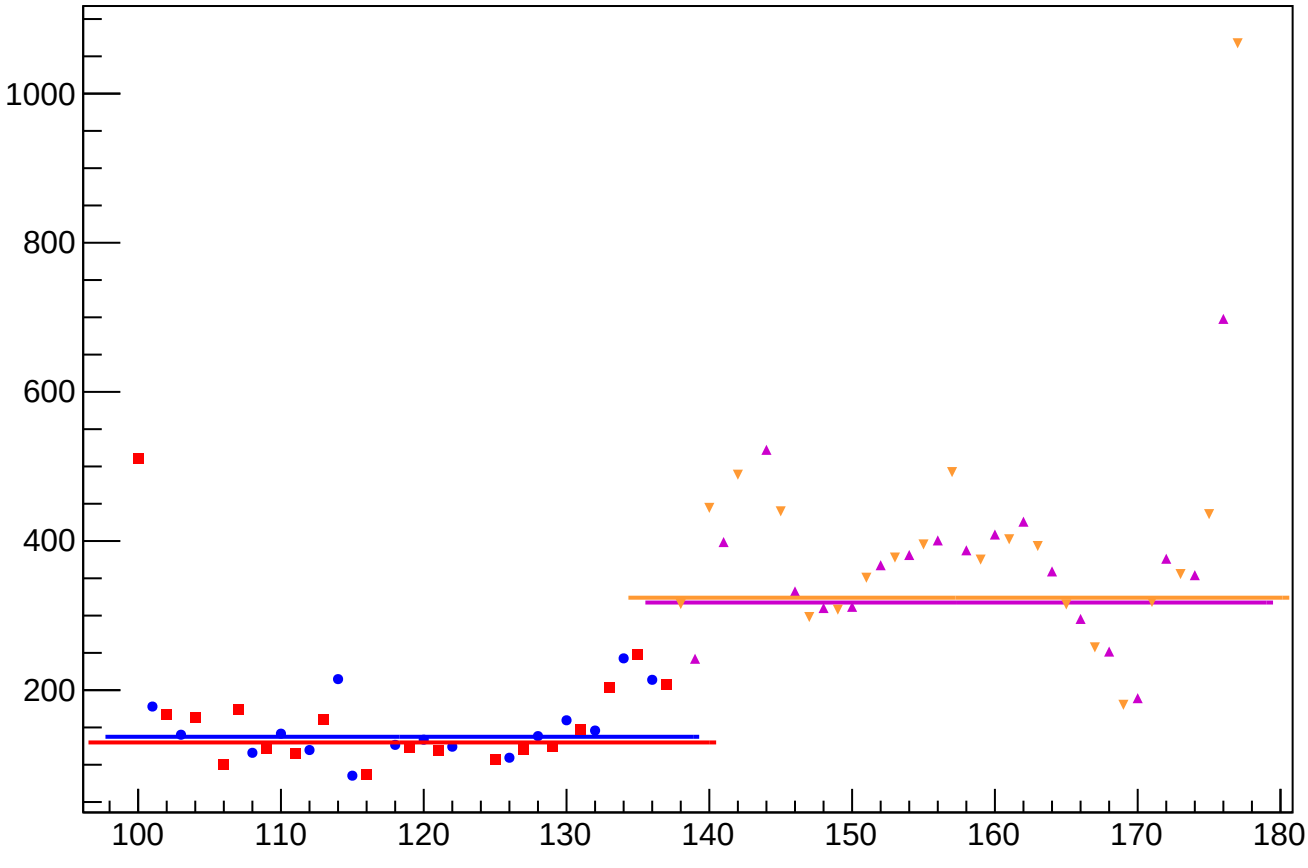
Left: -0.057+/-0.061 χ^2/NDF: 52.9/38

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.032+/-0.046 χ^2/NDF:41.5/34

Out: 0.020+/-0.045 χ^2/NDF:54.8/37

All: -0.005+/-0.032 χ^2/NDF: 97.0/72



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 324.015+/-0.062 χ^2/NDF:2746054.3/19

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 317.518+/-0.060 χ^2/NDF:2189444.1/18

Left: 320.686+/-0.043 χ^2/NDF: 4941212.0/38

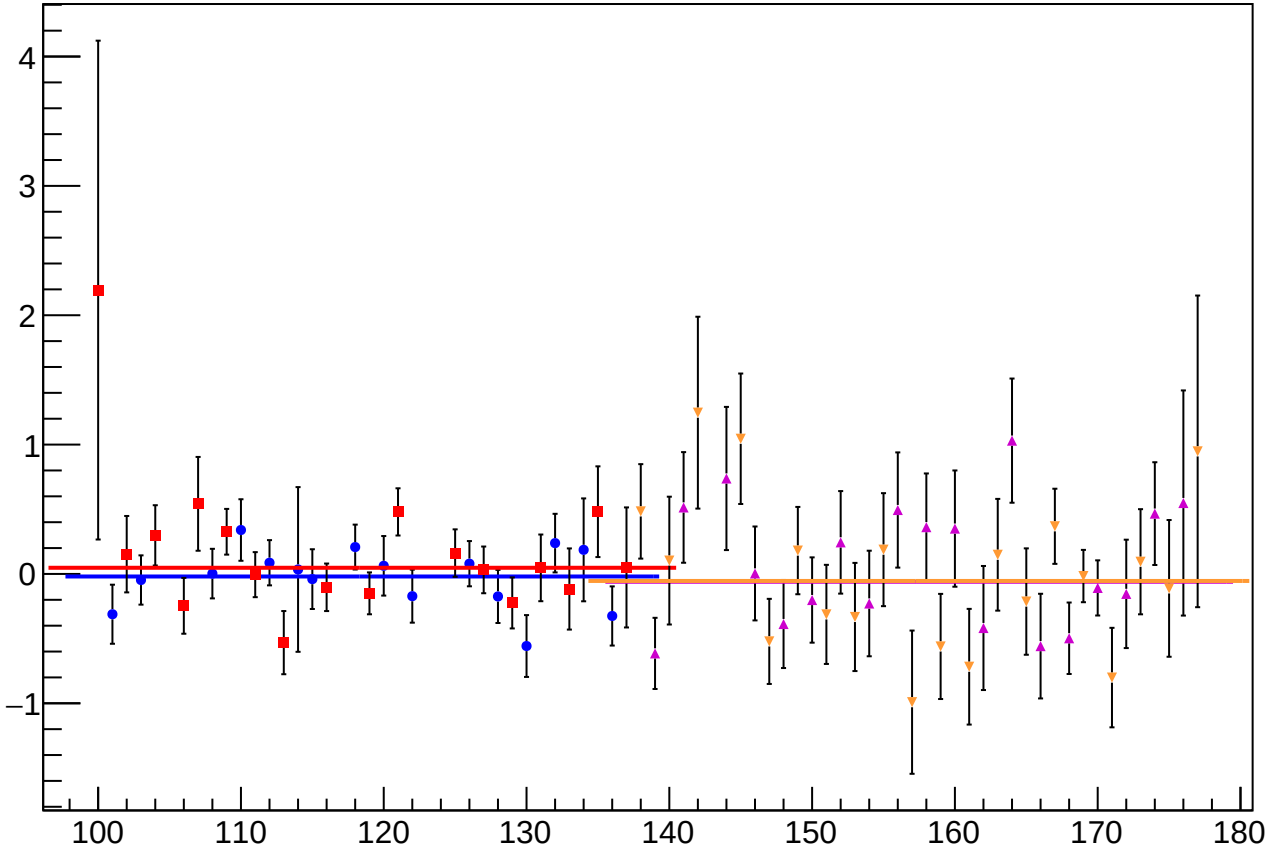
Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 189.640+/-0.032 χ^2/NDF:9272493.5/34

Out: 181.698+/-0.032 χ^2/NDF:10879773.3/37

All: 185.604+/-0.023 χ^2/NDF: 20182984.5/72

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: -0.054+/-0.087 χ^2/NDF:27.6/19

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.060+/-0.085 χ^2/NDF:25.3/18

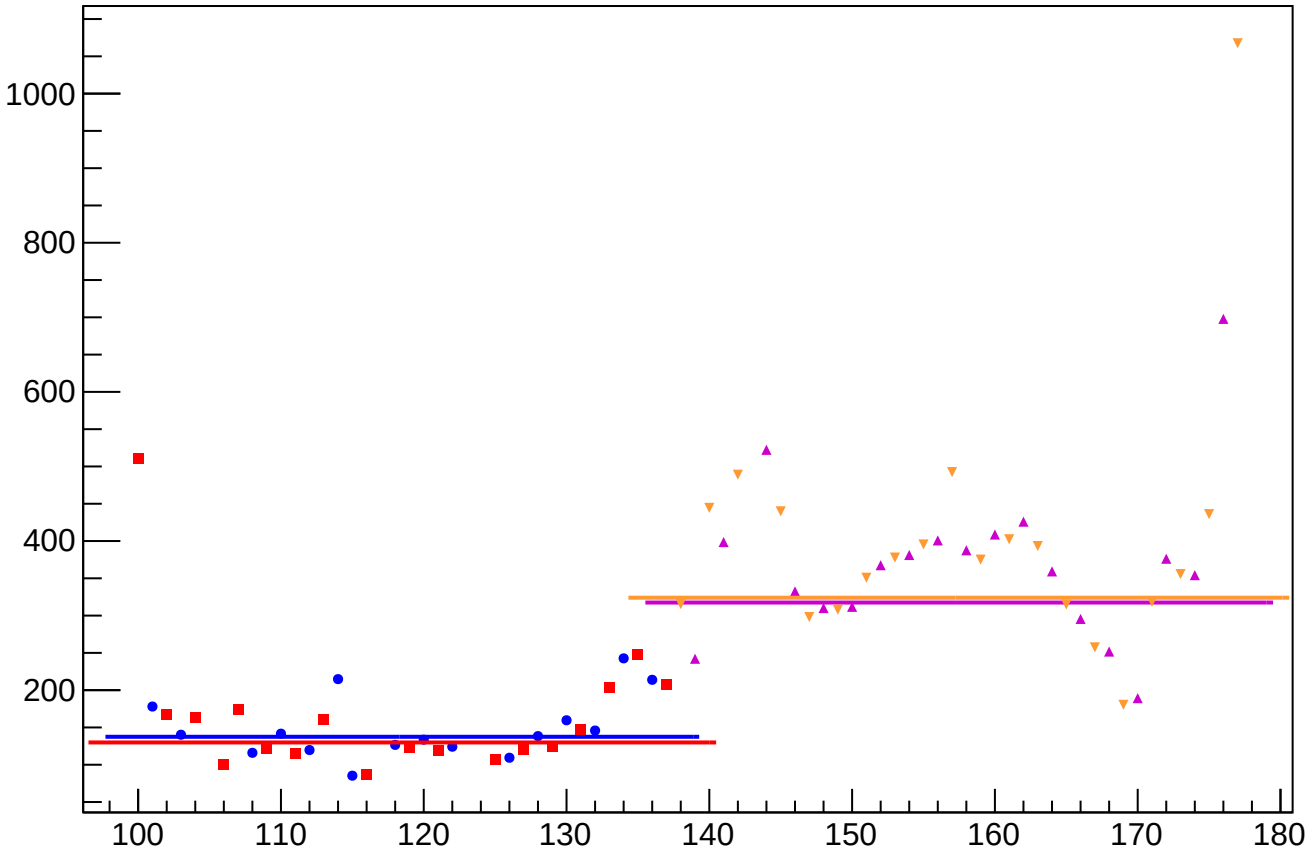
Left: -0.057+/-0.061 χ^2/NDF: 52.9/38

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.032+/-0.046 χ^2/NDF:41.5/34

Out: 0.020+/-0.045 χ^2/NDF:54.8/37

All: -0.005+/-0.032 χ^2/NDF: 97.0/72



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 324.015+/-0.062 χ^2/NDF:2746054.3/19

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 317.518+/-0.060 χ^2/NDF:2189444.1/18

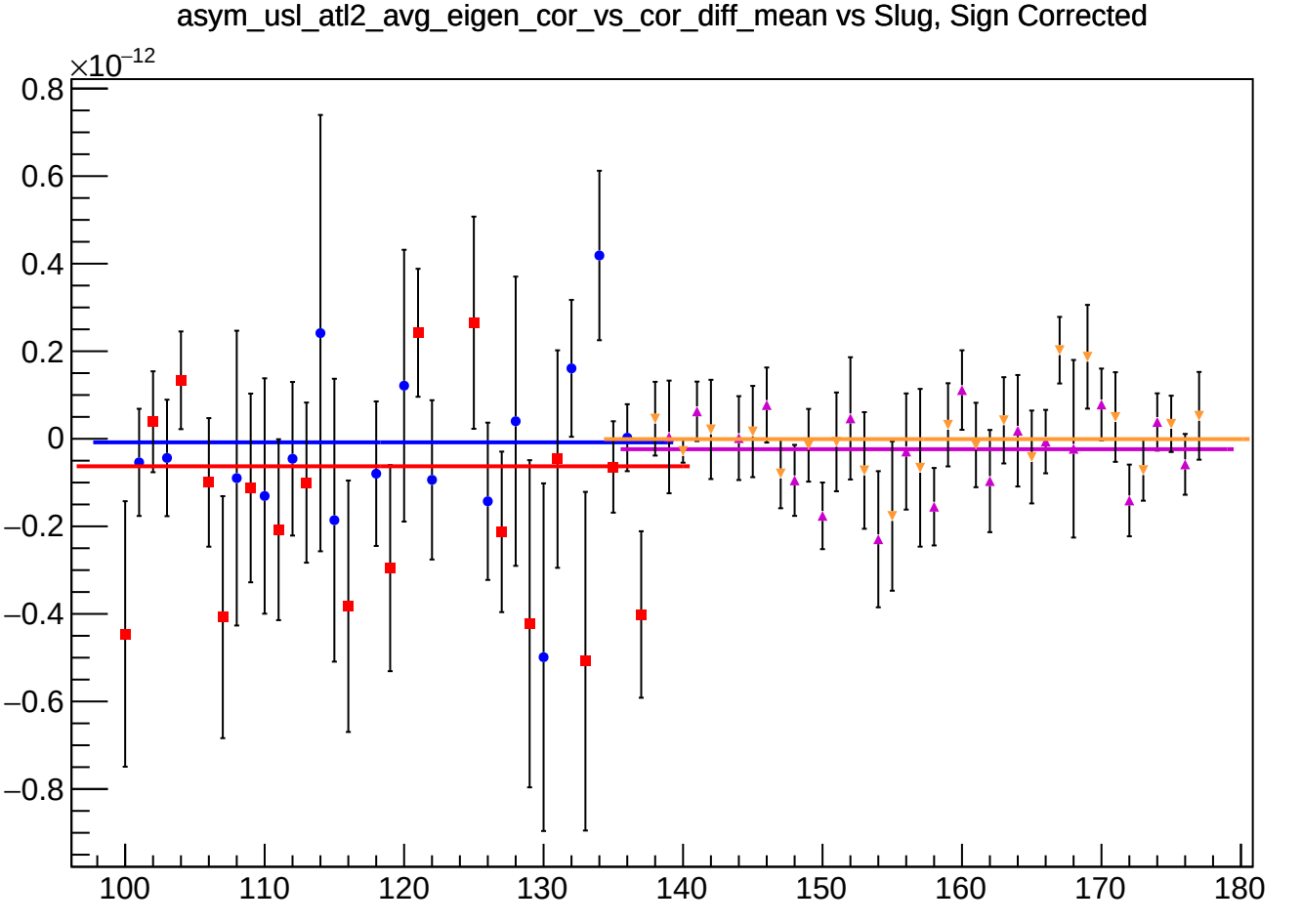
Left: 320.686+/-0.043 χ^2/NDF: 4941212.0/38

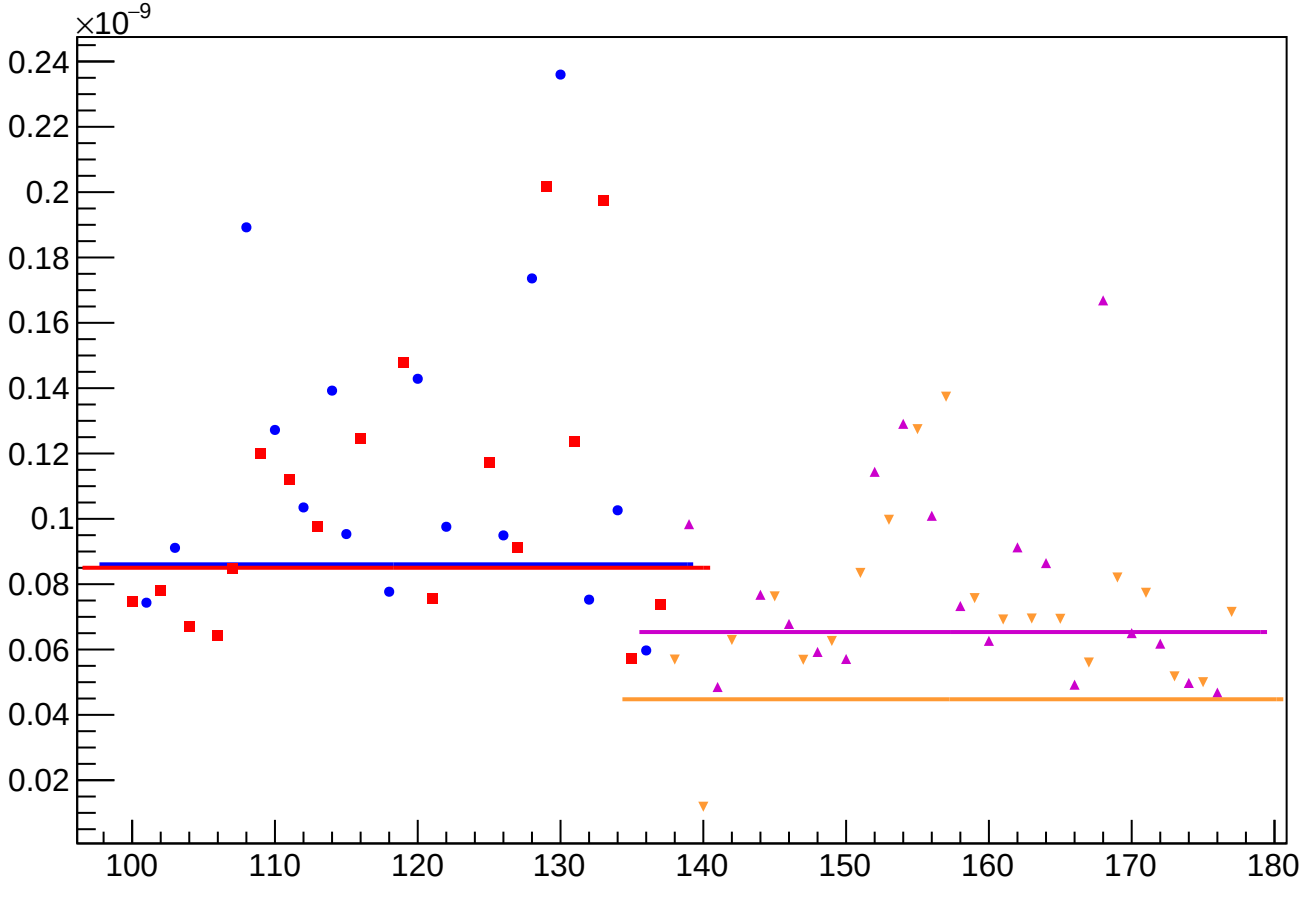
Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 189.640+/-0.032 χ^2/NDF:9272493.5/34

Out: 181.698+/-0.032 χ^2/NDF:10879773.3/37

All: 185.604+/-0.023 χ^2/NDF: 20182984.5/72


asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10⁻¹²
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 9.8/15
Left Out: -0.000+/-0.000 χ²/NDF:15.9/19
Right Out: -0.000+/-0.000 χ²/NDF: 22.2/17
Left In: -0.000+/-0.000 χ²/NDF:19.6/18
Left: -0.000+/-0.000 χ²/NDF: 36.2/38
Right: -0.000+/-0.000 χ²/NDF: 32.8/33
In: -0.000+/-0.000 χ²/NDF:29.5/34
Out: -0.000+/-0.000 χ²/NDF:40.0/37
All: -0.000+/-0.000 χ²/NDF: 69.7/72



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6222070.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

Left In: 0.000+/-0.000 χ^2/NDF:2076791.7/18

Left: 0.000+/-0.000 χ^2/NDF: 9486601.3/38

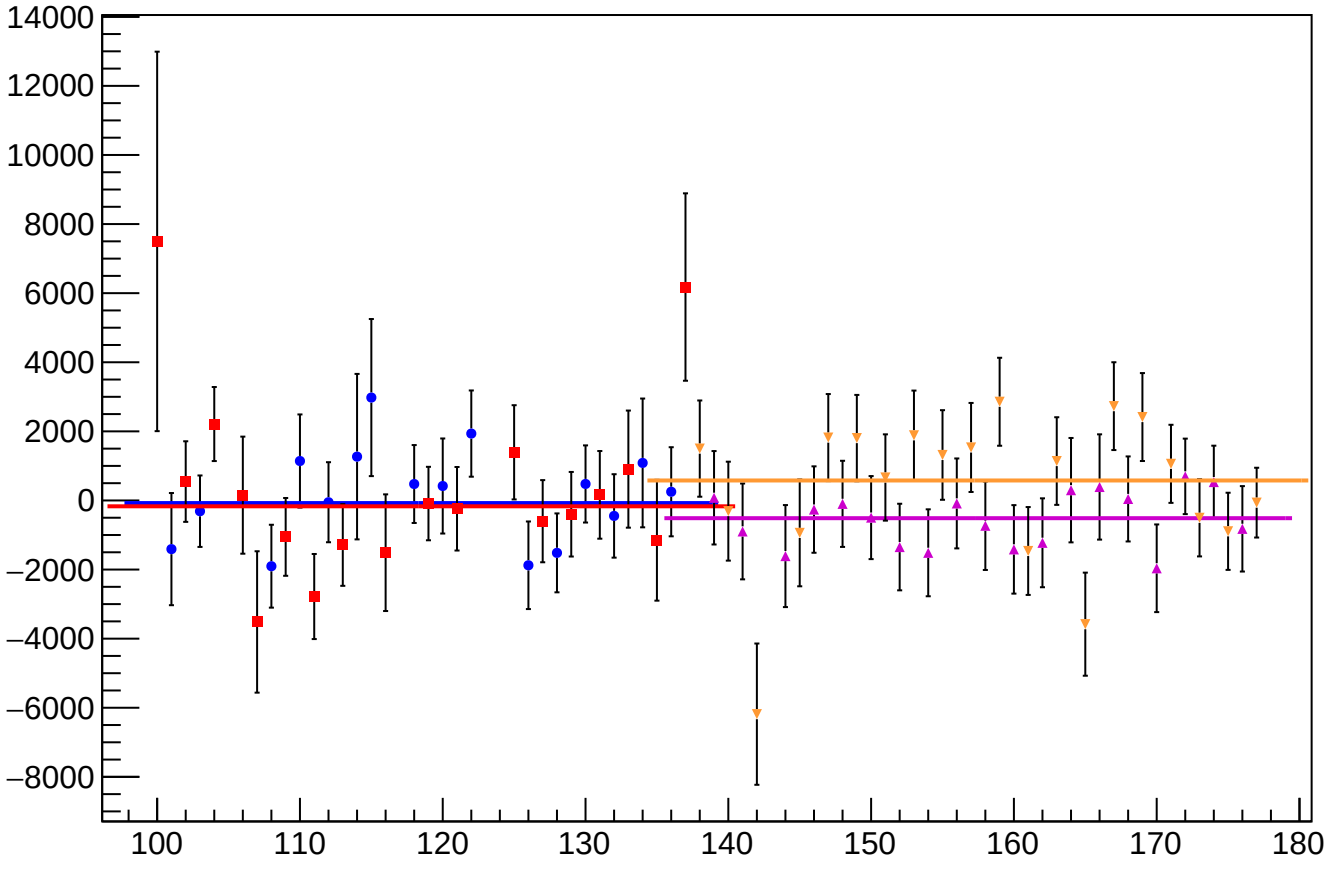
Right: 0.000+/-0.000 χ^2/NDF: 2055907.6/33

In: 0.000+/-0.000 χ^2/NDF:3533738.4/34

Out: 0.000+/-0.000 χ^2/NDF:8804575.8/37

All: 0.000+/-0.000 χ^2/NDF: 13548162.5/72

reg_asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: 578.351+/-285.407 χ^2/NDF:38.5/19

Right Out: -169.345+/-321.827 χ^2/NDF: 24.4/17

Left In: -513.119+/-292.013 χ^2/NDF:7.4/18

Left: 45.102+/-204.109 χ^2/NDF: 53.1/38

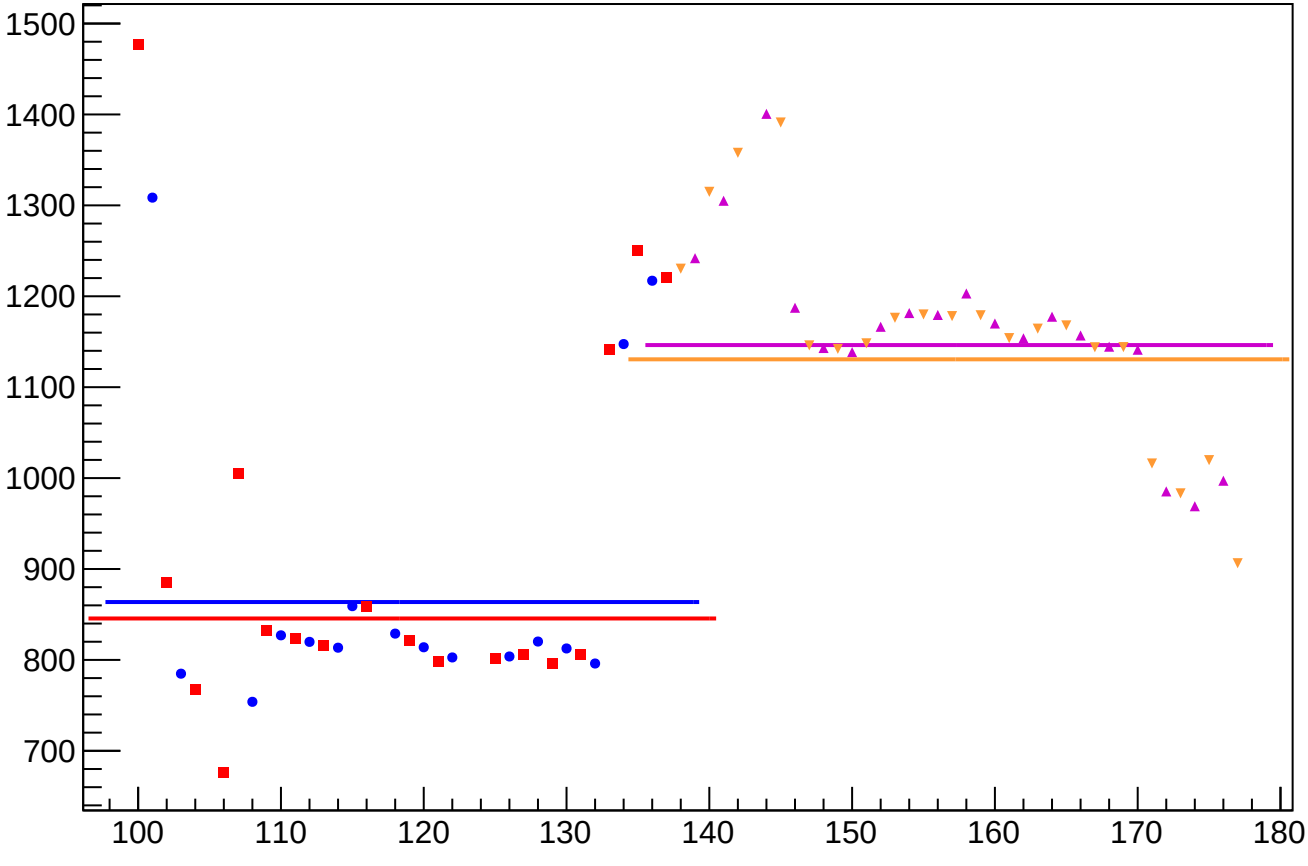
Right: -123.279+/-229.106 χ^2/NDF: 37.8/33

In: -318.651+/-217.578 χ^2/NDF:21.8/34

Out: 249.187+/-213.534 χ^2/NDF:65.9/37

All: -29.405+/-152.401 χ^2/NDF: 91.1/72

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1130.644+/-0.202 χ^2/NDF:314260.6/19

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

Left In: 1146.333+/-0.206 χ^2/NDF:236090.9/18

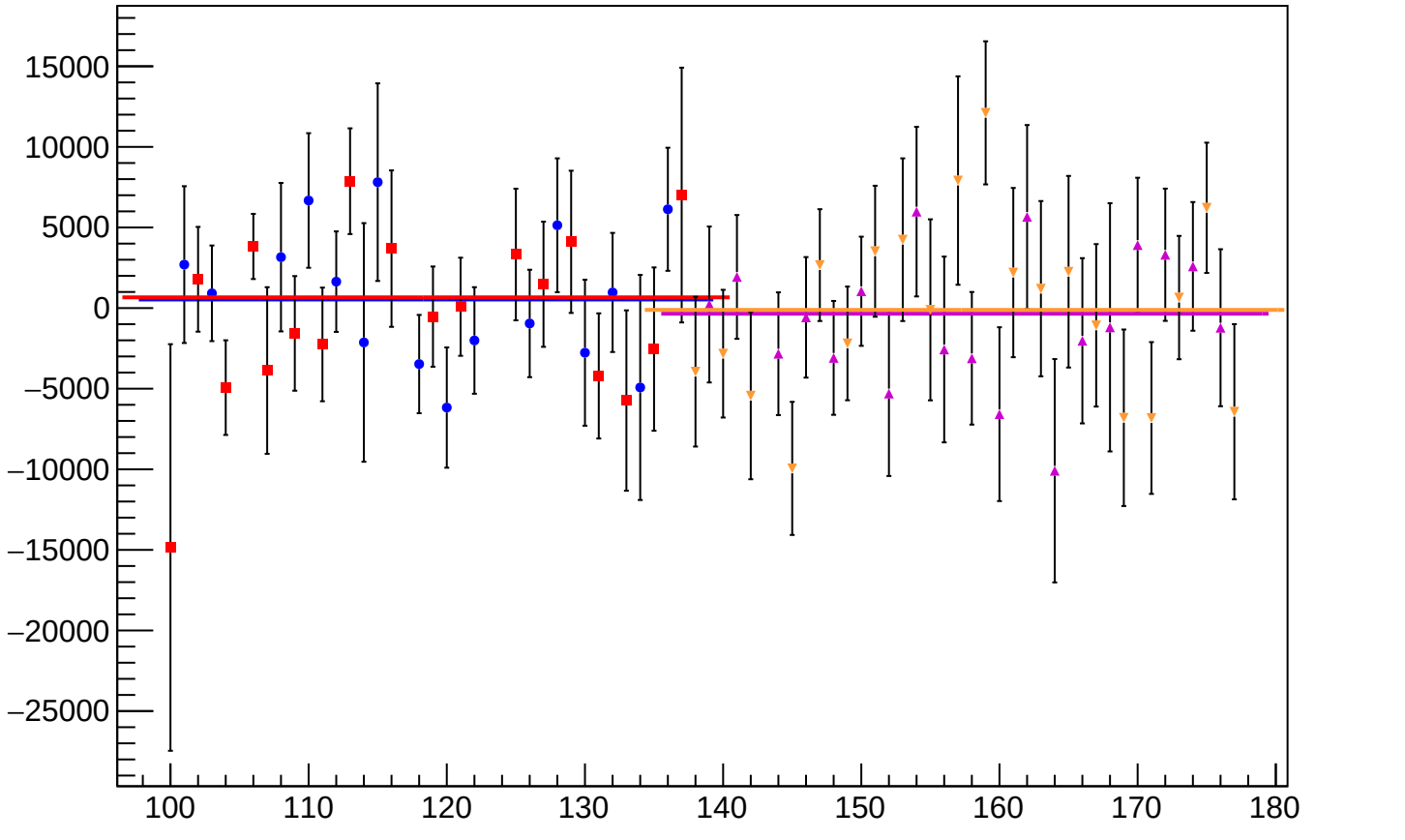
Left: 1138.309+/-0.144 χ^2/NDF: 553303.8/38

Right: 854.385+/-0.161 χ^2/NDF: 718425.8/33

In: 1020.592+/-0.154 χ^2/NDF:1477236.3/34

Out: 1003.398+/-0.150 χ^2/NDF:1512653.0/37

All: 1011.787+/-0.107 χ^2/NDF: 2996285.8/72



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: -111.895+/-1023.082 χ^2/NDF:27.4/19

Right Out: 665.878+/-864.970 χ^2/NDF: 20.0/17

Left In: -347.505+/-1028.812 χ^2/NDF:11.5/18

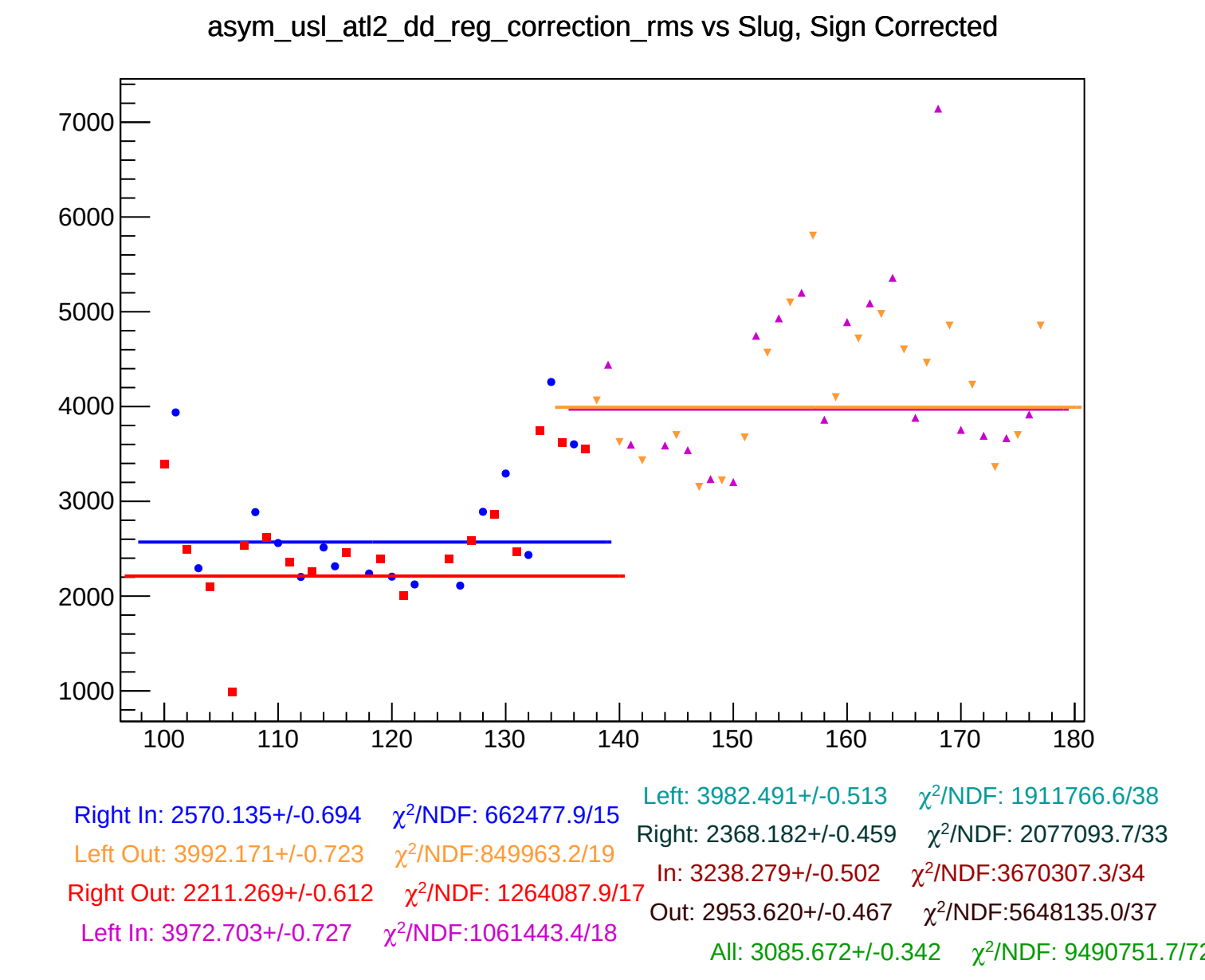
Left: -229.042+/-725.446 χ^2/NDF: 38.9/38

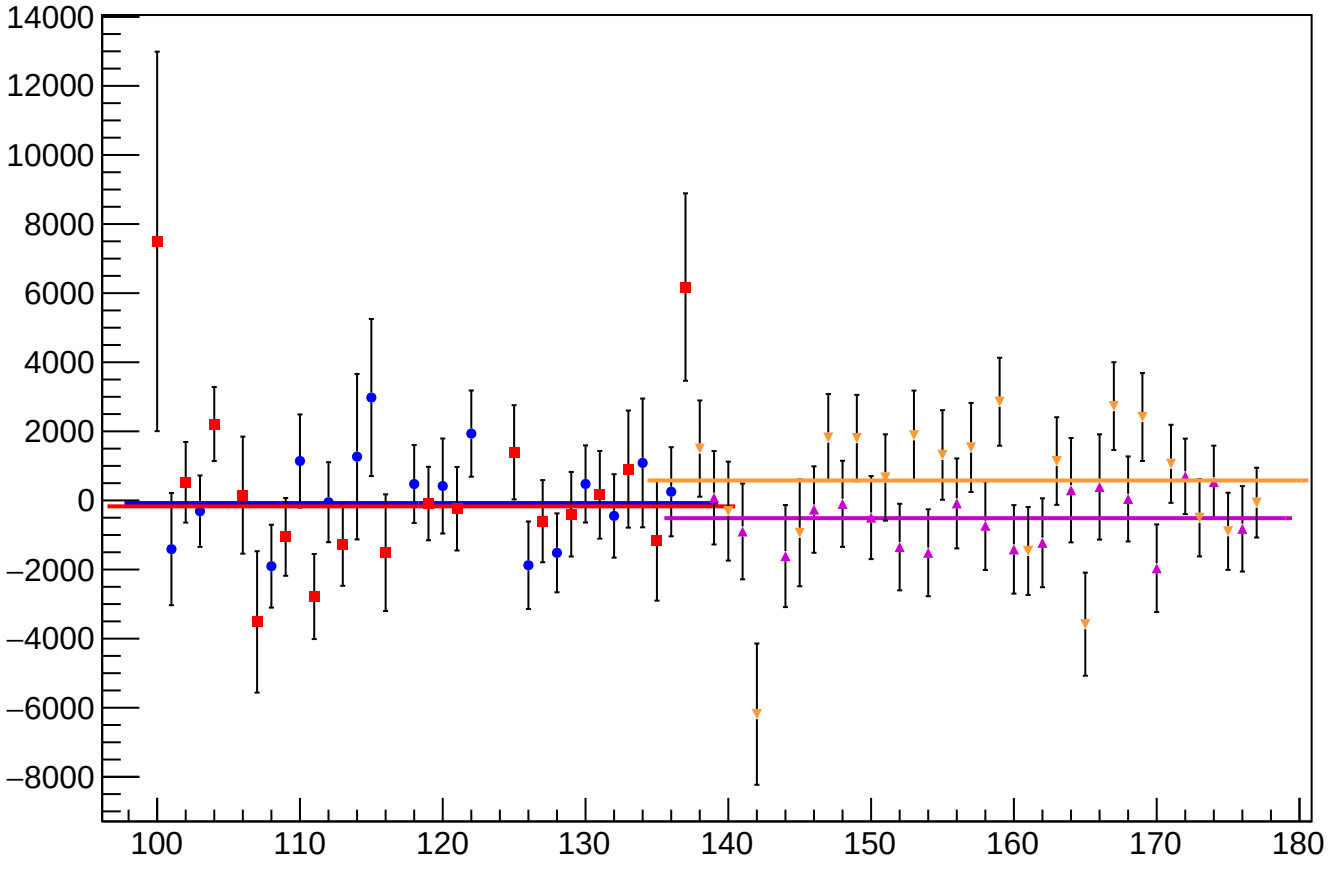
Right: 608.437+/-648.874 χ^2/NDF: 34.6/33

In: 114.341+/-710.083 χ^2/NDF:26.5/34

Out: 341.671+/-660.534 χ^2/NDF:47.7/37

All: 236.214+/-483.637 χ^2/NDF: 74.3/72


asym_usl_atl2_dd_reg_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
180
Right In: 2570.135+/-0.694 χ²/NDF: 662477.9/15
Left Out: 3992.171+/-0.723 χ²/NDF:849963.2/19
Right Out: 2211.269+/-0.612 χ²/NDF: 1264087.9/17
Left In: 3972.703+/-0.727 χ²/NDF:1061443.4/18
Left: 3982.491+/-0.513 χ²/NDF: 1911766.6/38
Right: 2368.182+/-0.459 χ²/NDF: 2077093.7/33
In: 3238.279+/-0.502 χ²/NDF:3670307.3/34
Out: 2953.620+/-0.467 χ²/NDF:5648135.0/37
All: 3085.672+/-0.342 χ²/NDF: 9490751.7/72



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 578.396+/-285.407 χ^2/NDF:38.5/19

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -513.105+/-292.013 χ^2/NDF:7.4/18

Left: 45.131+/-204.109 χ^2/NDF: 53.1/38

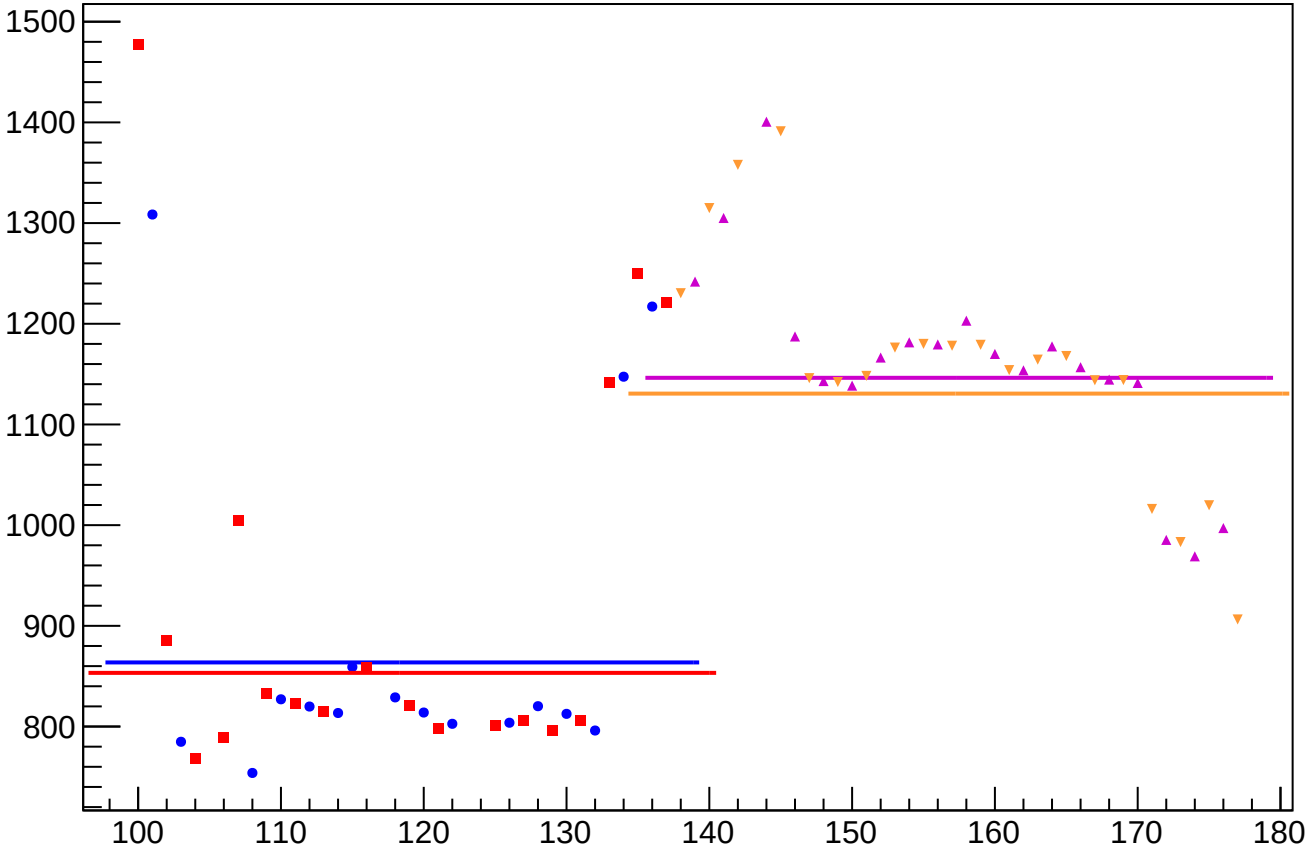
Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -318.678+/-217.578 χ^2/NDF:21.8/34

Out: 248.497+/-213.535 χ^2/NDF:65.9/37

All: -29.772+/-152.401 χ^2/NDF: 91.1/72

cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1130.645+/-0.202 χ^2/NDF:314260.6/19

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1146.333+/-0.206 χ^2/NDF:236090.9/18

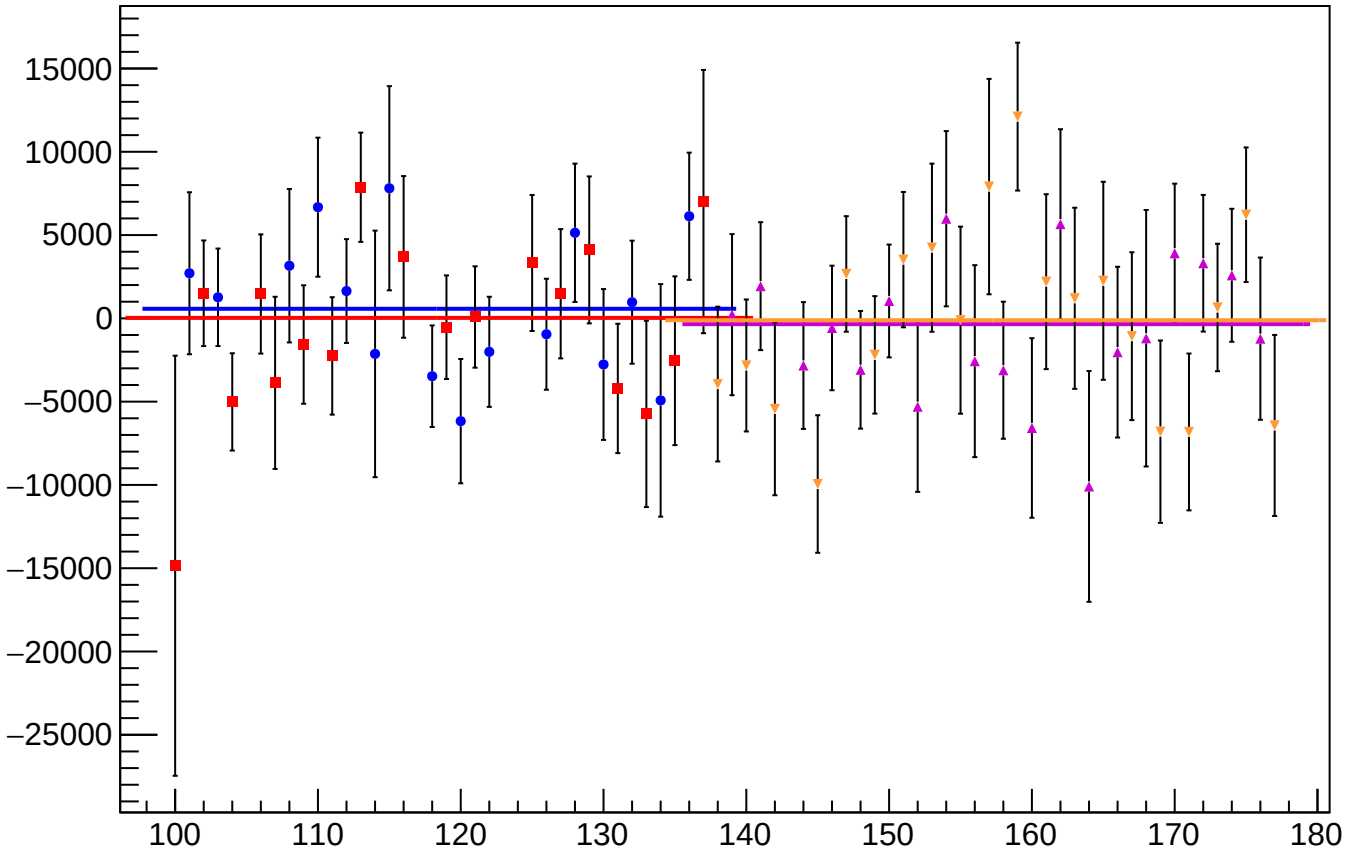
Left: 1138.309+/-0.144 χ^2/NDF: 553303.7/38

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 1020.592+/-0.154 χ^2/NDF:1477236.4/34

Out: 1007.836+/-0.151 χ^2/NDF:1425922.7/37

All: 1014.080+/-0.108 χ^2/NDF: 2906668.5/72



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -111.883+/-1023.082 χ^2/NDF:27.4/19

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: -347.559+/-1028.811 χ^2/NDF:11.5/18

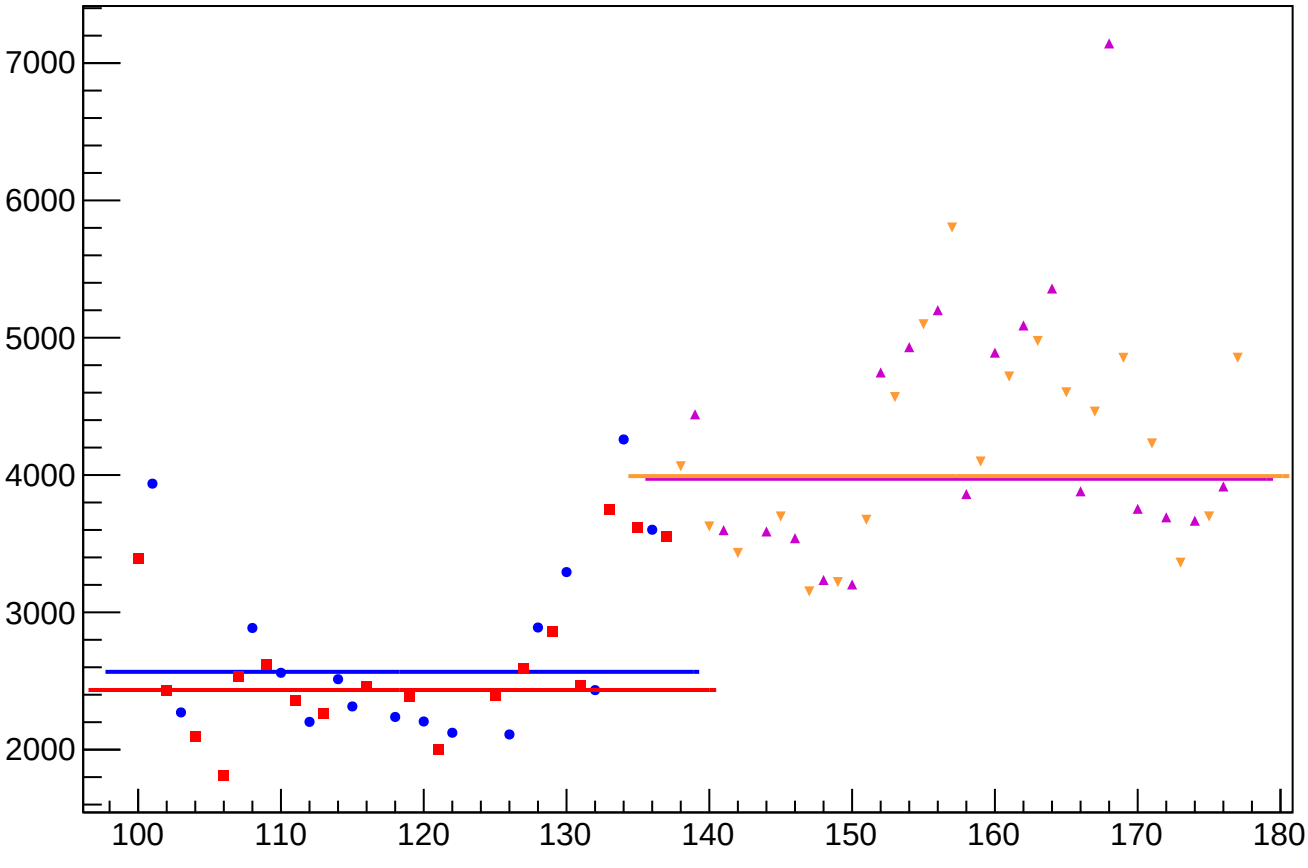
Left: -229.063+/-725.445 χ^2/NDF: 38.9/38

Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: 136.173+/-709.539 χ^2/NDF:26.6/34

Out: -34.367+/-684.956 χ^2/NDF:44.6/37

All: 47.898+/-492.799 χ^2/NDF: 71.2/72



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3992.172+/-0.723 χ^2/NDF:849959.3/19

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3972.698+/-0.727 χ^2/NDF:1061446.6/18

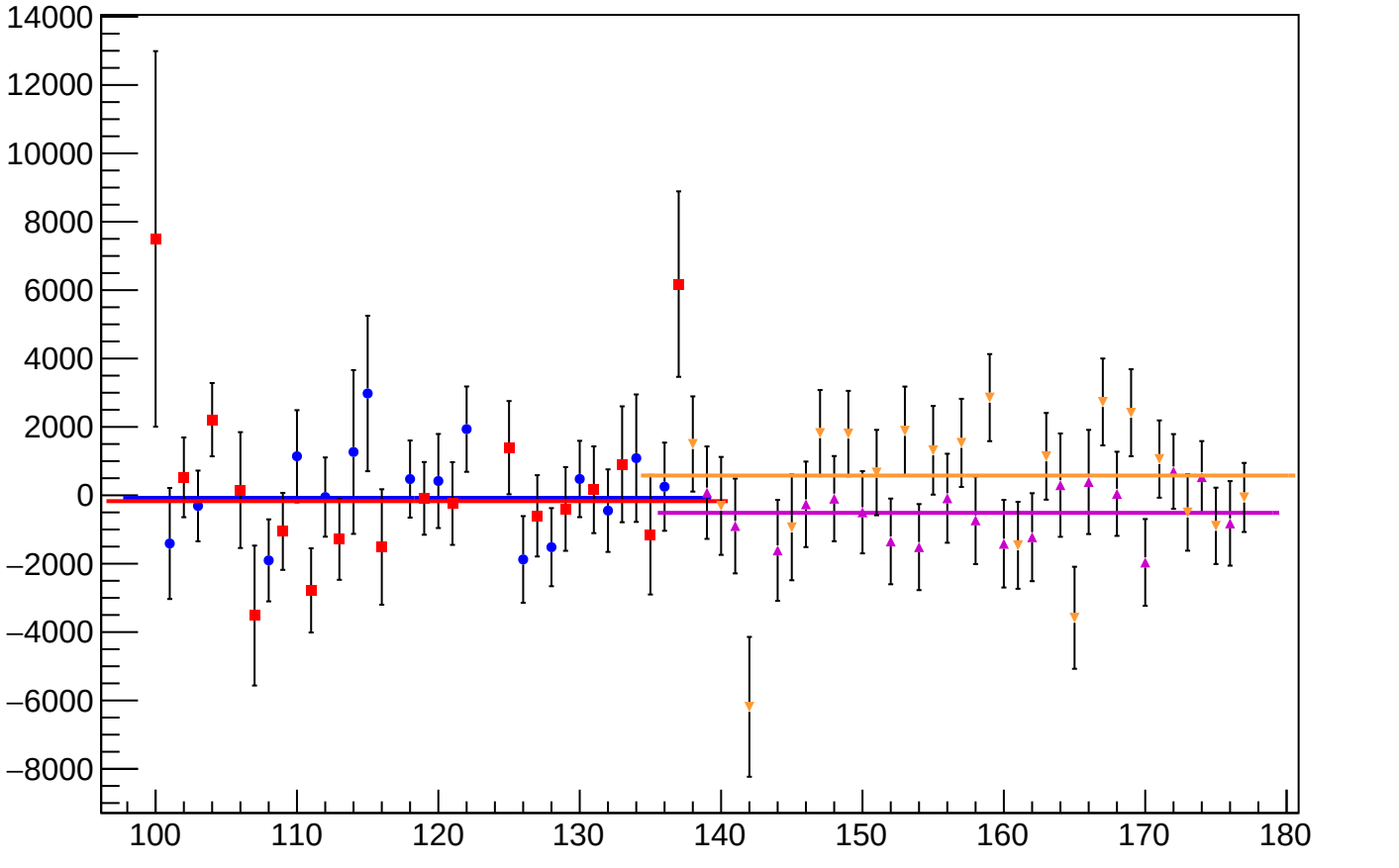
Left: 3982.490+/-0.513 χ^2/NDF: 1911766.2/38

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 3235.470+/-0.502 χ^2/NDF:3685873.3/34

Out: 3132.663+/-0.484 χ^2/NDF:3842361.6/37

All: 3182.254+/-0.348 χ^2/NDF: 7549968.8/72



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 578.396+/-285.407 χ^2/NDF:38.5/19

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -513.105+/-292.013 χ^2/NDF:7.4/18

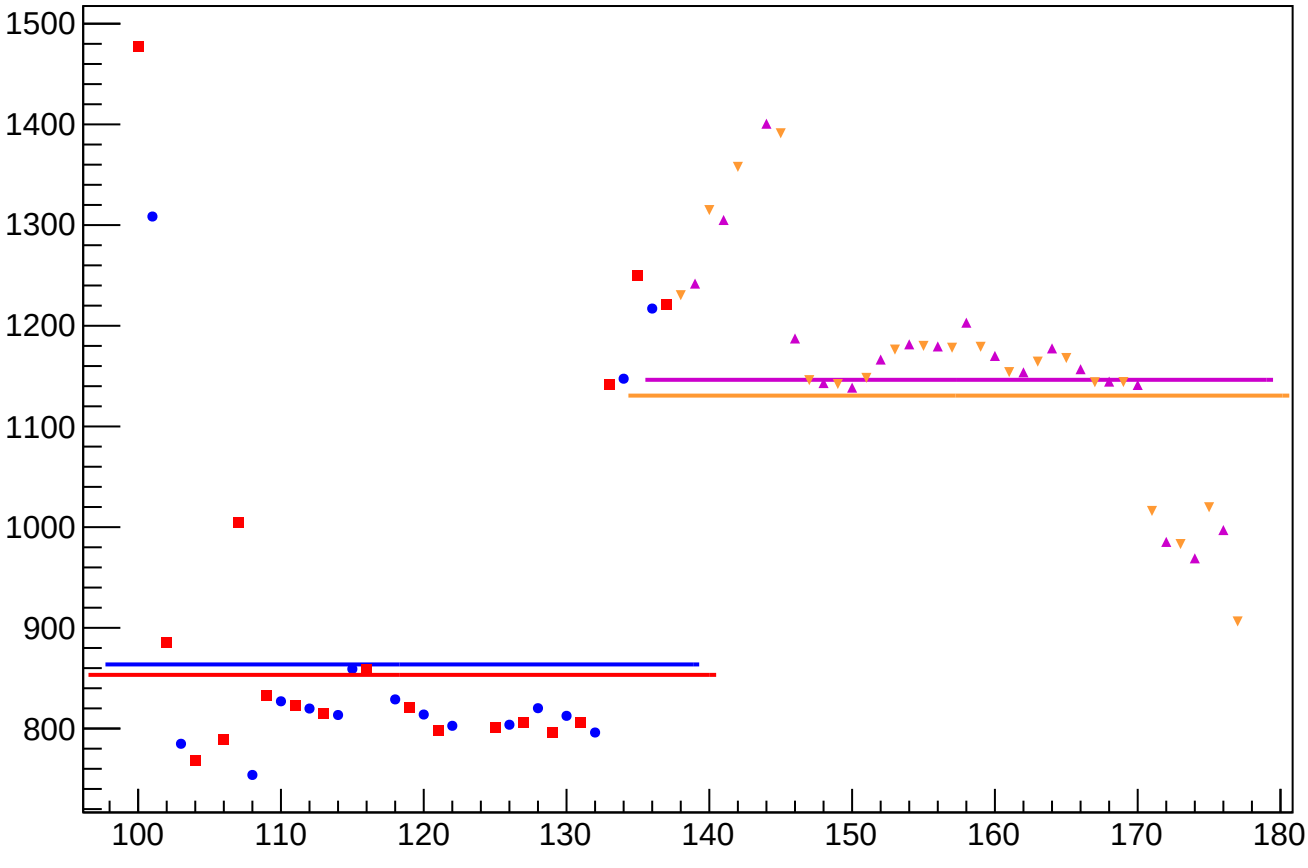
Left: 45.131+/-204.109 χ^2/NDF: 53.1/38

Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -318.678+/-217.578 χ^2/NDF:21.8/34

Out: 248.497+/-213.535 χ^2/NDF:65.9/37

All: -29.772+/-152.401 χ^2/NDF: 91.1/72



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1130.645+/-0.202 χ^2/NDF:314260.6/19

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1146.333+/-0.206 χ^2/NDF:236090.9/18

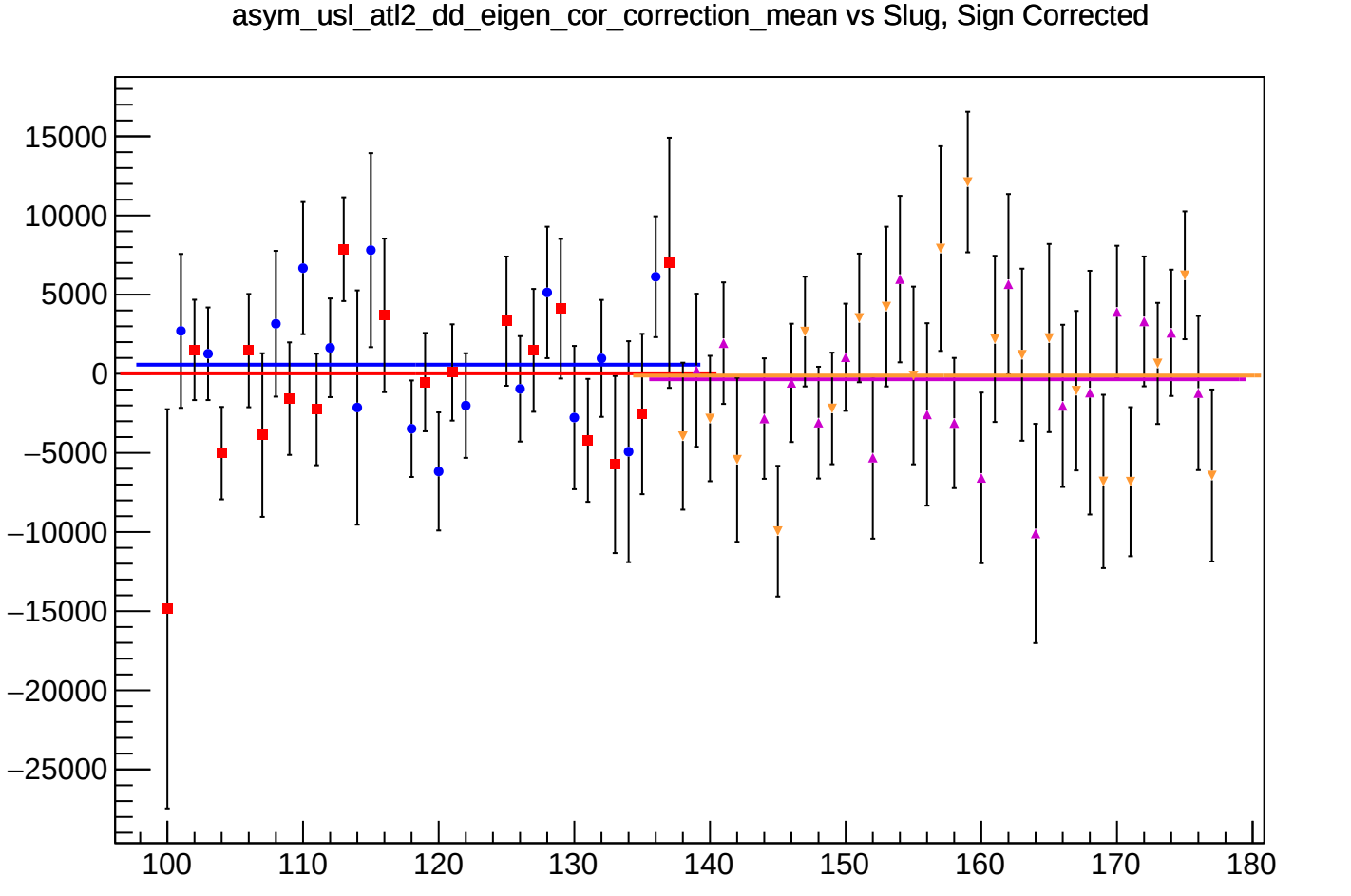
Left: 1138.309+/-0.144 χ^2/NDF: 553303.7/38

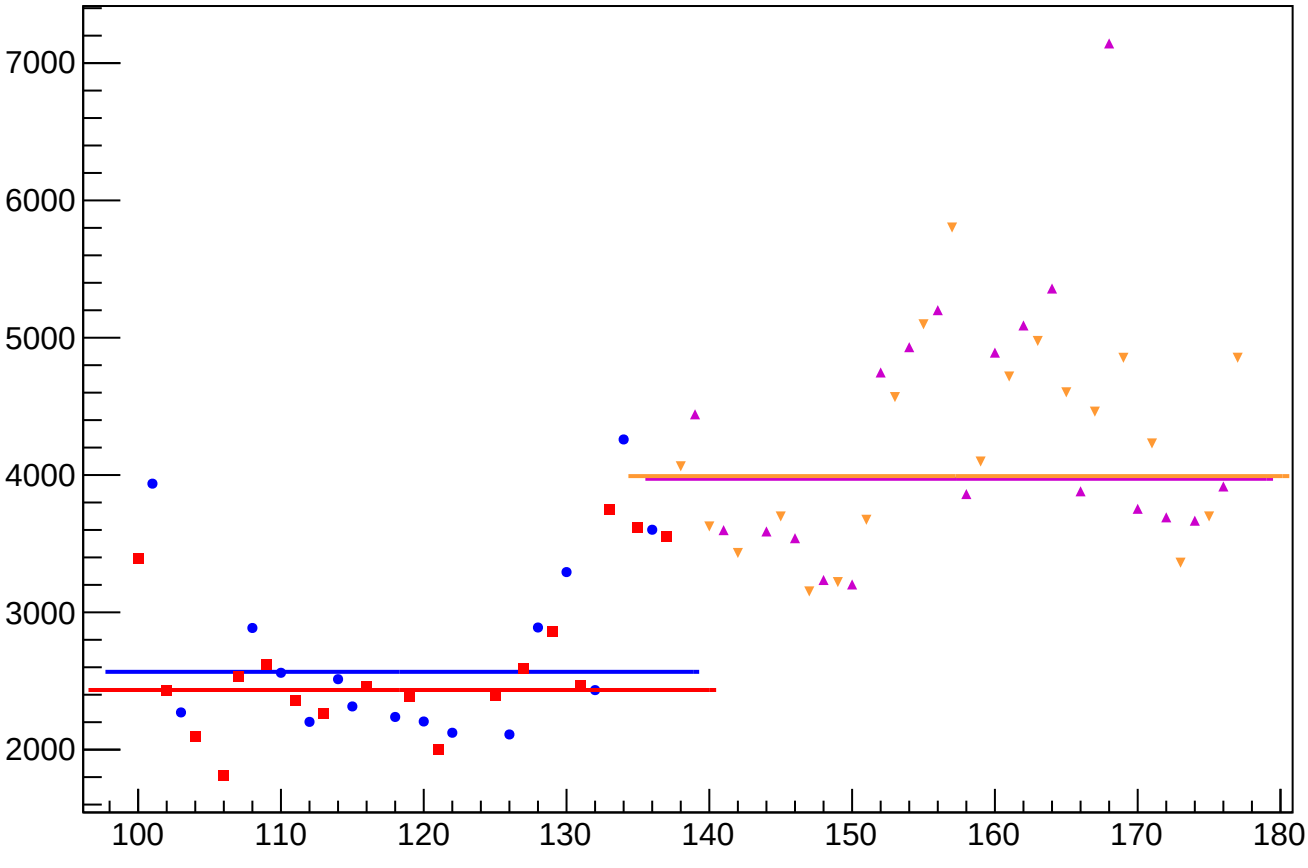
Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 1020.592+/-0.154 χ^2/NDF:1477236.4/34

Out: 1007.836+/-0.151 χ^2/NDF:1425922.7/37

All: 1014.080+/-0.108 χ^2/NDF: 2906668.5/72


asym_usl_atl2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
Right In: 574.964+/-979.856 χ²/NDF: 14.7/15
Left Out: -111.883+/-1023.082 χ²/NDF:27.4/19
Right Out: 28.604+/-922.115 χ²/NDF: 17.2/17
Left In: -347.559+/-1028.811 χ²/NDF:11.5/18
Left: -229.063+/-725.445 χ²/NDF: 38.9/38
Right: 285.212+/-671.519 χ²/NDF: 32.1/33
In: 136.173+/-709.539 χ²/NDF:26.6/34
Out: -34.367+/-684.956 χ²/NDF:44.6/37
All: 47.898+/-492.799 χ²/NDF: 71.2/72



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3992.172+/-0.723 χ^2/NDF:849959.3/19

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3972.698+/-0.727 χ^2/NDF:1061446.6/18

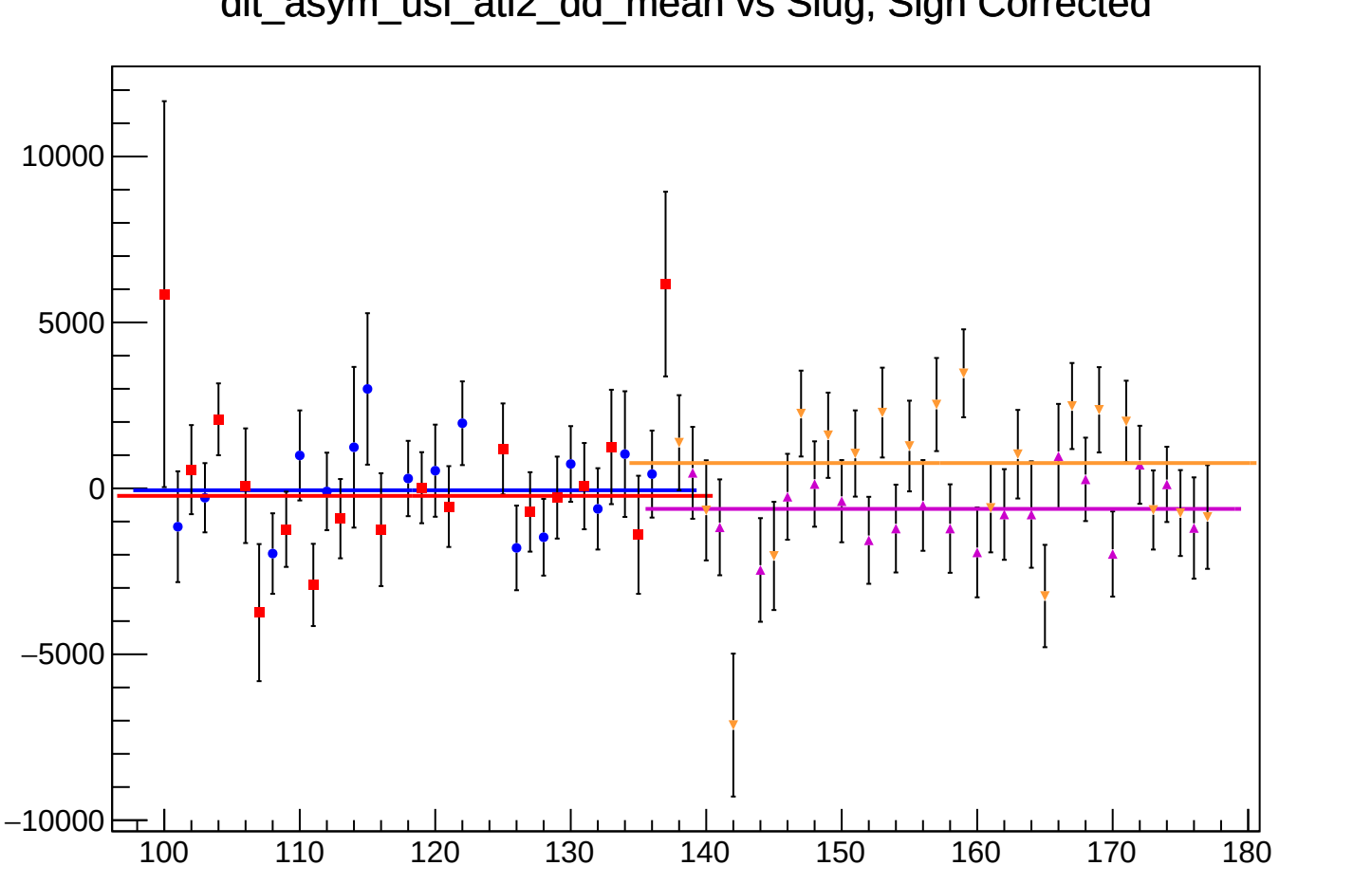
Left: 3982.490+/-0.513 χ^2/NDF: 1911766.2/38

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 3235.470+/-0.502 χ^2/NDF:3685873.3/34

Out: 3132.663+/-0.484 χ^2/NDF:3842361.6/37

All: 3182.254+/-0.348 χ^2/NDF: 7549968.8/72



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: 762.994+/-307.344 χ^2/NDF:42.4/19

Right Out: -226.075+/-328.069 χ^2/NDF: 22.9/17

Left In: -619.043+/-307.757 χ^2/NDF:9.0/18

Left: 72.905+/-217.471 χ^2/NDF: 61.5/38

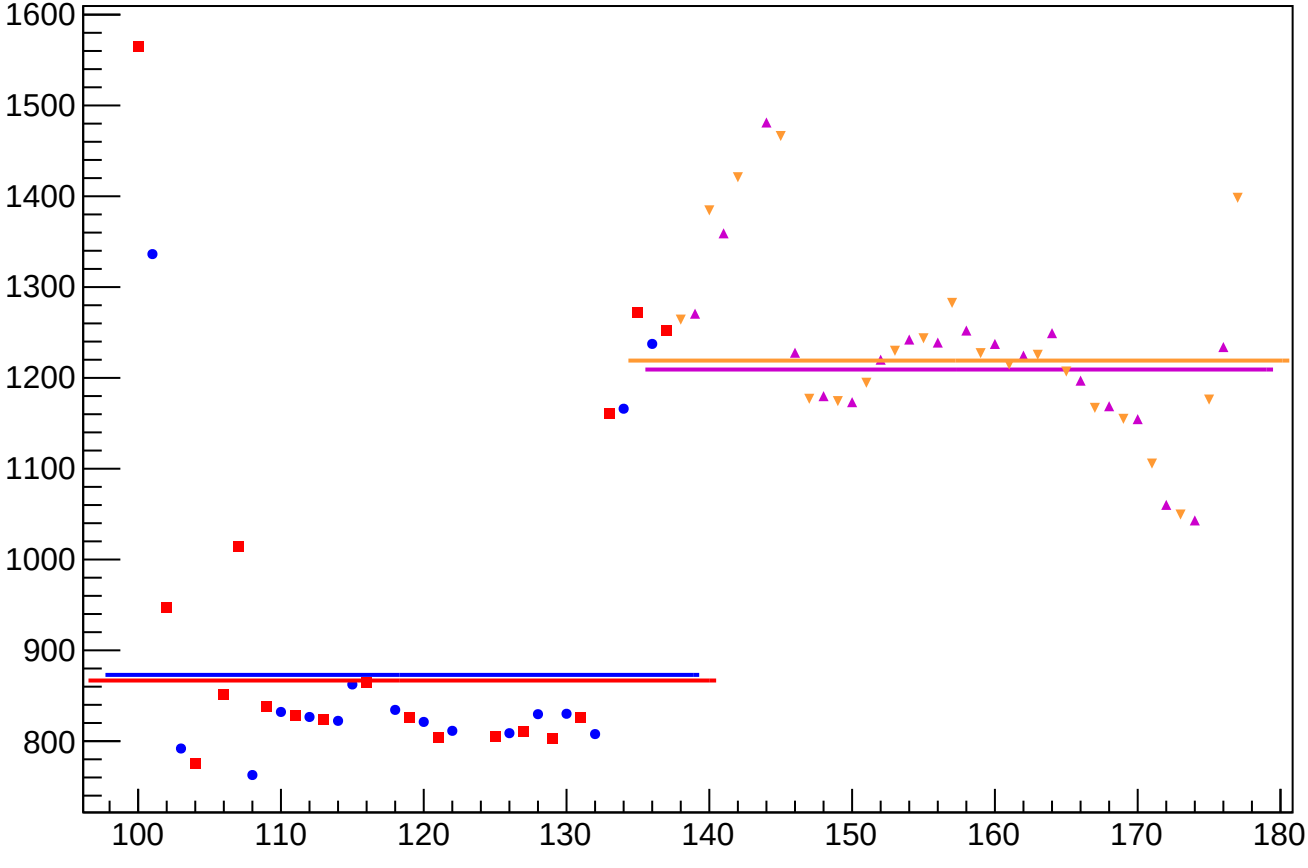
Right: -142.159+/-232.690 χ^2/NDF: 36.0/33

In: -357.770+/-225.098 χ^2/NDF:23.5/34

Out: 300.685+/-224.294 χ^2/NDF:70.2/37

All: -27.365+/-158.883 χ^2/NDF: 98.0/72

dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1219.080+/-0.217 χ^2/NDF:194157.9/19

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

Left In: 1209.213+/-0.218 χ^2/NDF:177493.8/18

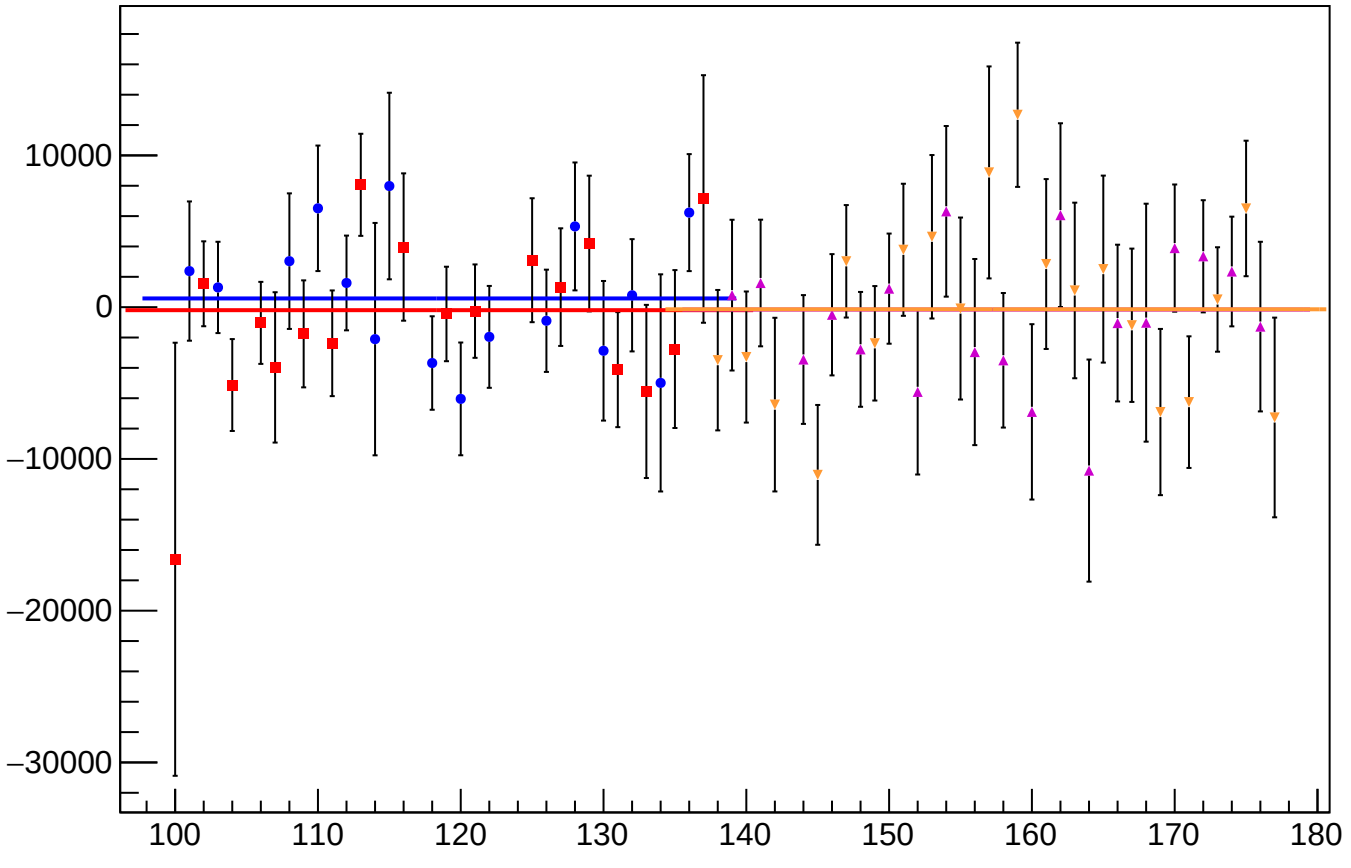
Left: 1214.153+/-0.154 χ^2/NDF: 372680.9/38

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1052.849+/-0.159 χ^2/NDF:1704791.8/34

Out: 1054.231+/-0.159 χ^2/NDF:1714213.1/37

All: 1053.543+/-0.112 χ^2/NDF: 3419042.7/72



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: -139.703+/-1070.544 χ^2/NDF:27.0/19

Right Out: -197.953+/-894.121 χ^2/NDF: 17.2/17

Left In: -157.991+/-1070.143 χ^2/NDF:11.5/18

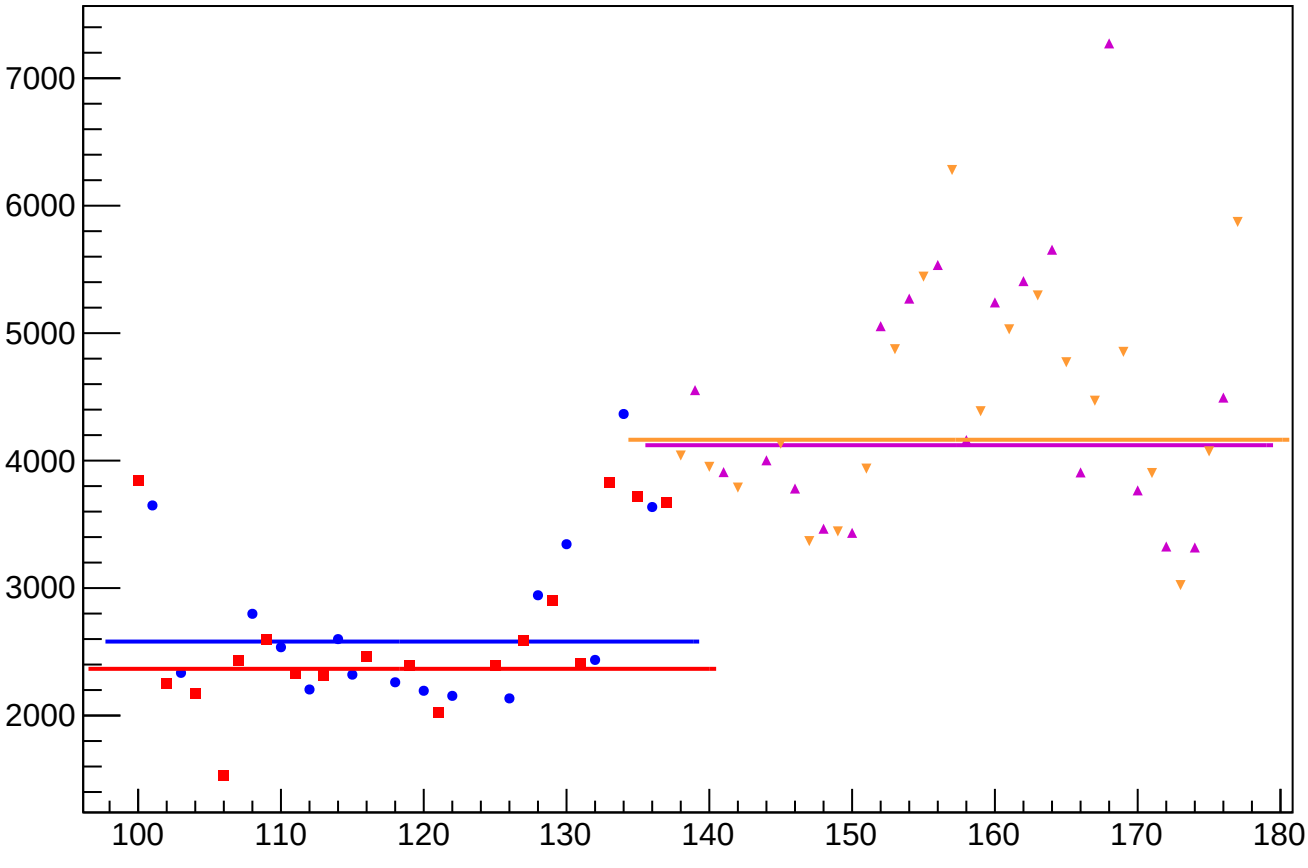
Left: -148.851+/-756.847 χ^2/NDF: 38.5/38

Right: 151.395+/-662.008 χ^2/NDF: 32.2/33

In: 239.008+/-724.690 χ^2/NDF:26.4/34

Out: -174.017+/-686.252 χ^2/NDF:44.2/37

All: 21.252+/-498.288 χ^2/NDF: 70.7/72



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 4163.674+/-0.757 χ^2/NDF:1044808.0/19

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

Left In: 4120.851+/-0.757 χ^2/NDF:1211635.2/18

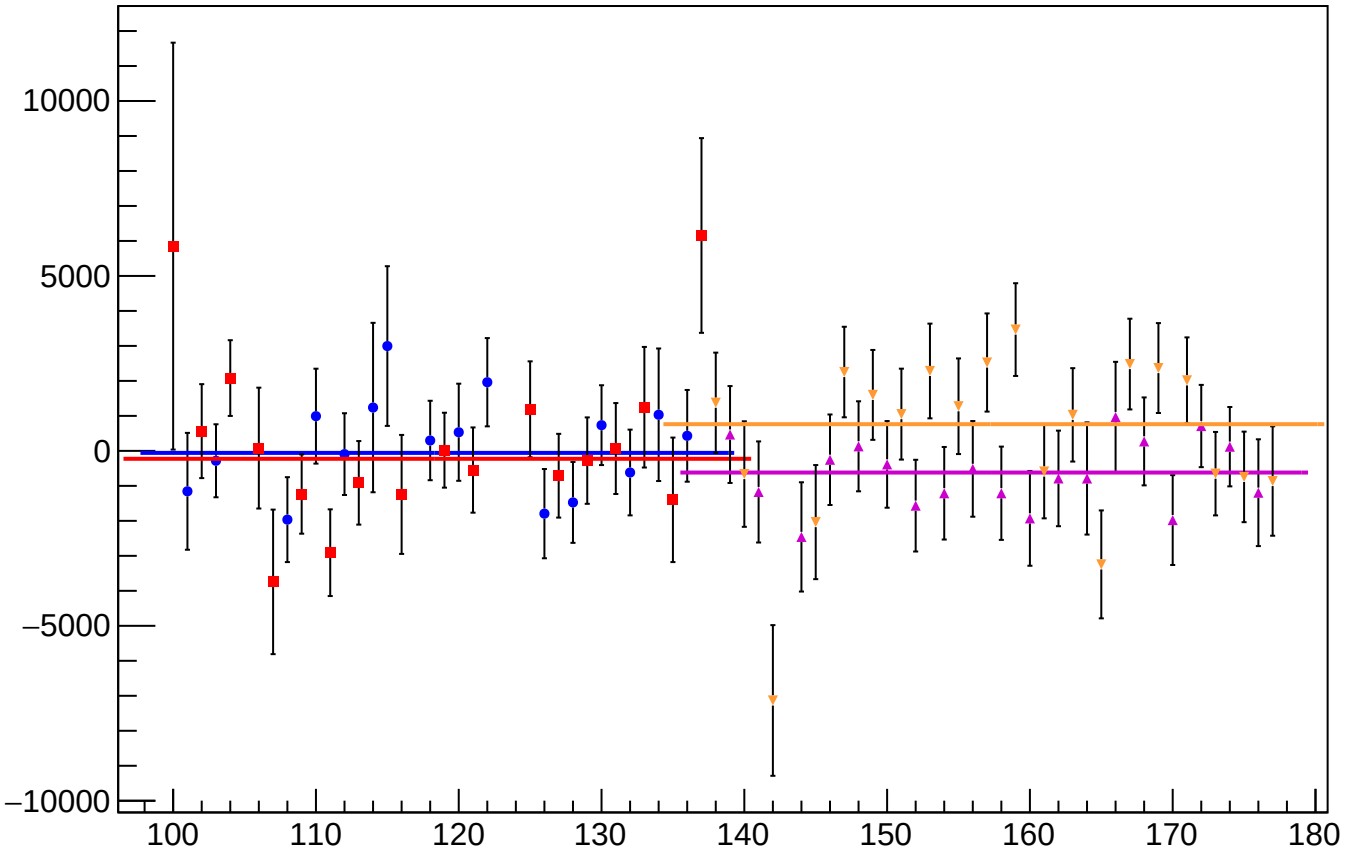
Left: 4142.254+/-0.535 χ^2/NDF: 2258043.9/38

Right: 2463.083+/-0.468 χ^2/NDF: 1280596.8/33

In: 3286.815+/-0.512 χ^2/NDF:4072594.8/34

Out: 3104.944+/-0.485 χ^2/NDF:4977113.7/37

All: 3190.929+/-0.352 χ^2/NDF: 9116120.6/72



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 762.995+/-307.344 χ^2/NDF:42.4/19

Right Out: -226.078+/-328.069 χ^2/NDF: 22.9/17

Left In: -619.040+/-307.758 χ^2/NDF:9.0/18

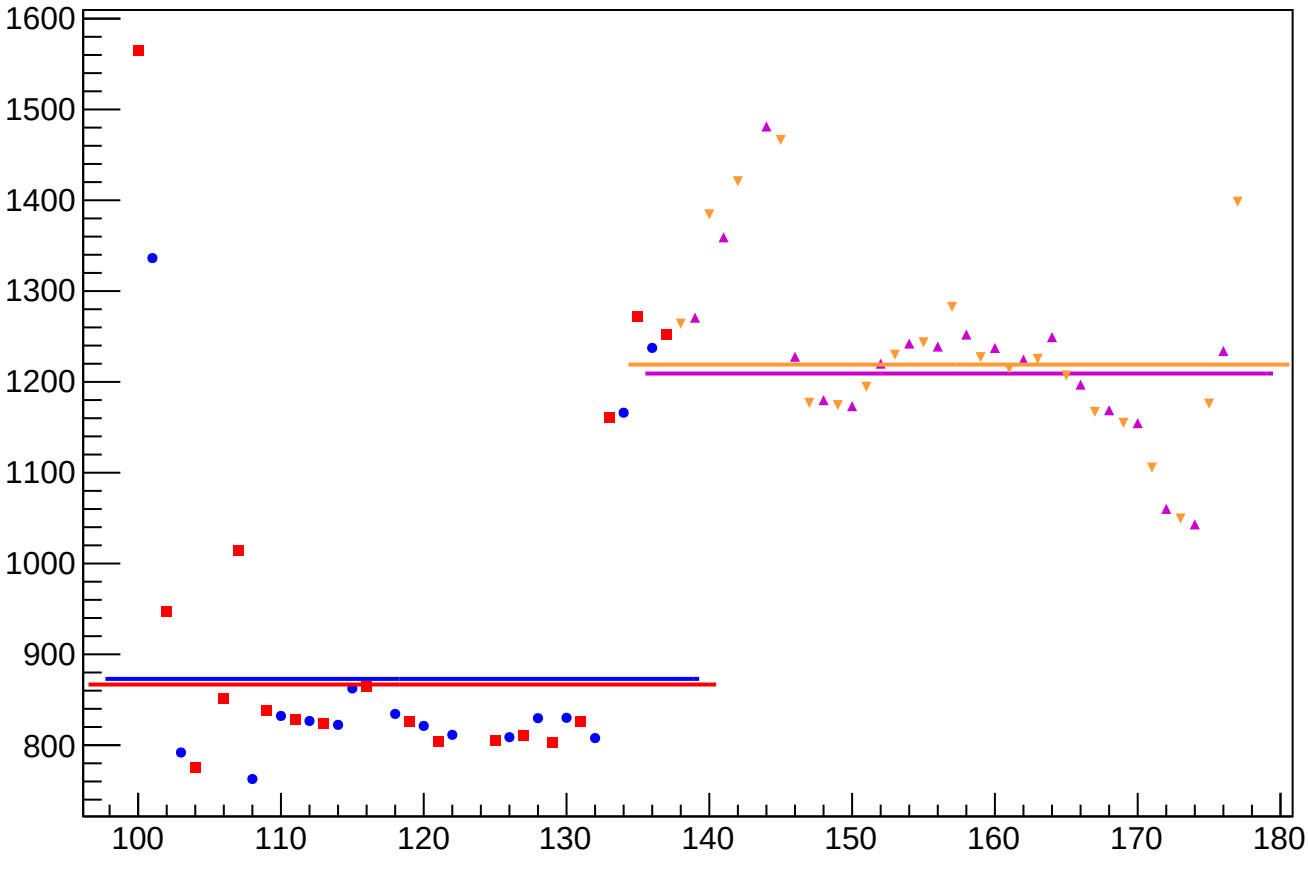
Left: 72.906+/-217.471 χ^2/NDF: 61.5/38

Right: -142.162+/-232.690 χ^2/NDF: 36.0/33

In: -357.771+/-225.098 χ^2/NDF:23.5/34

Out: 300.683+/-224.294 χ^2/NDF:70.2/37

All: -27.366+/-158.883 χ^2/NDF: 98.0/72



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1219.080+/-0.217 χ^2/NDF:194167.7/19

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1209.214+/-0.218 χ^2/NDF:177500.9/18

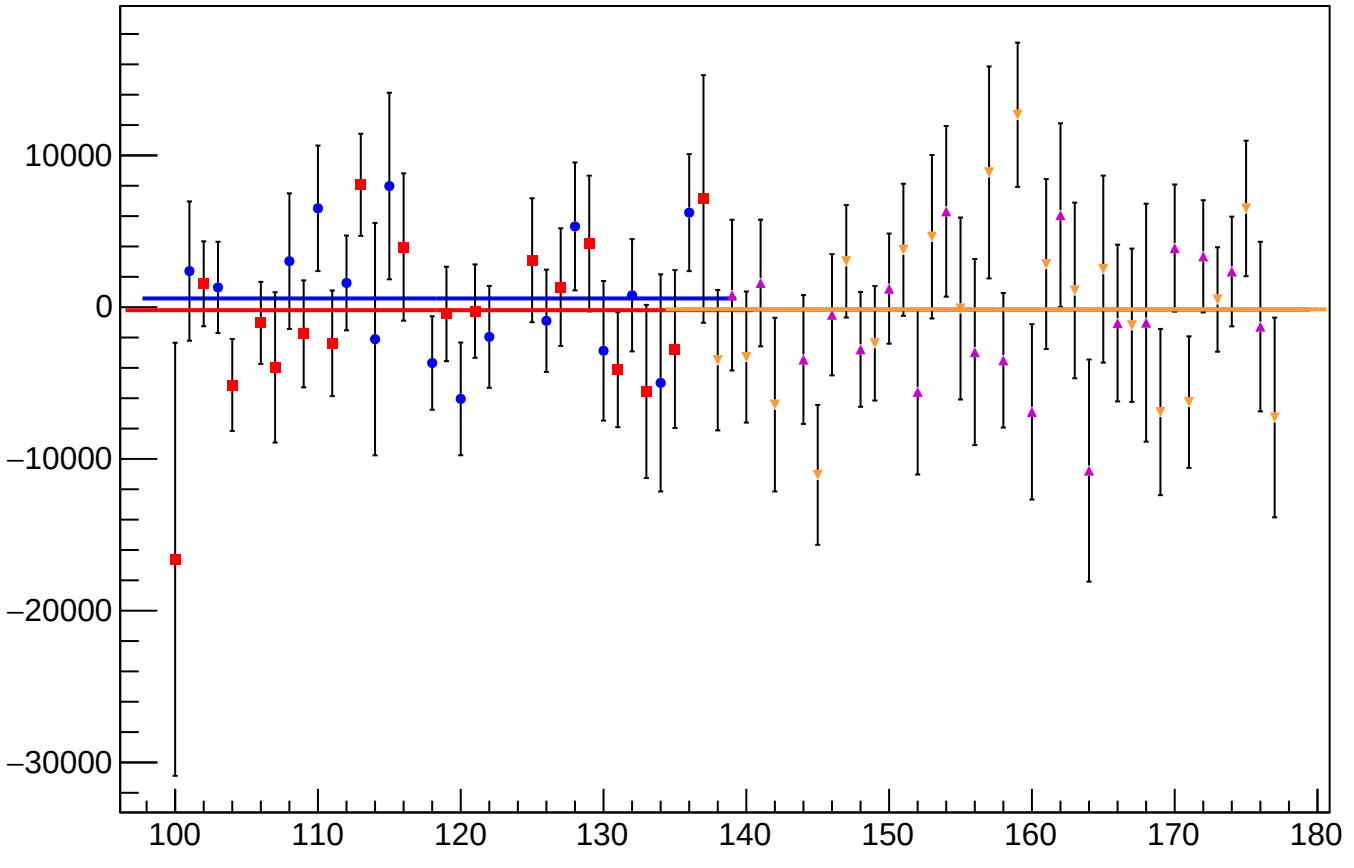
Left: 1214.154+/-0.154 χ^2/NDF: 372697.9/38

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1052.850+/-0.159 χ^2/NDF:1704800.4/34

Out: 1054.231+/-0.159 χ^2/NDF:1714225.7/37

All: 1053.543+/-0.112 χ^2/NDF: 3419064.0/72



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: -139.702+/-1070.546 χ^2/NDF:27.0/19

Right Out: -197.955+/-894.119 χ^2/NDF: 17.2/17

Left In: -157.992+/-1070.145 χ^2/NDF:11.5/18

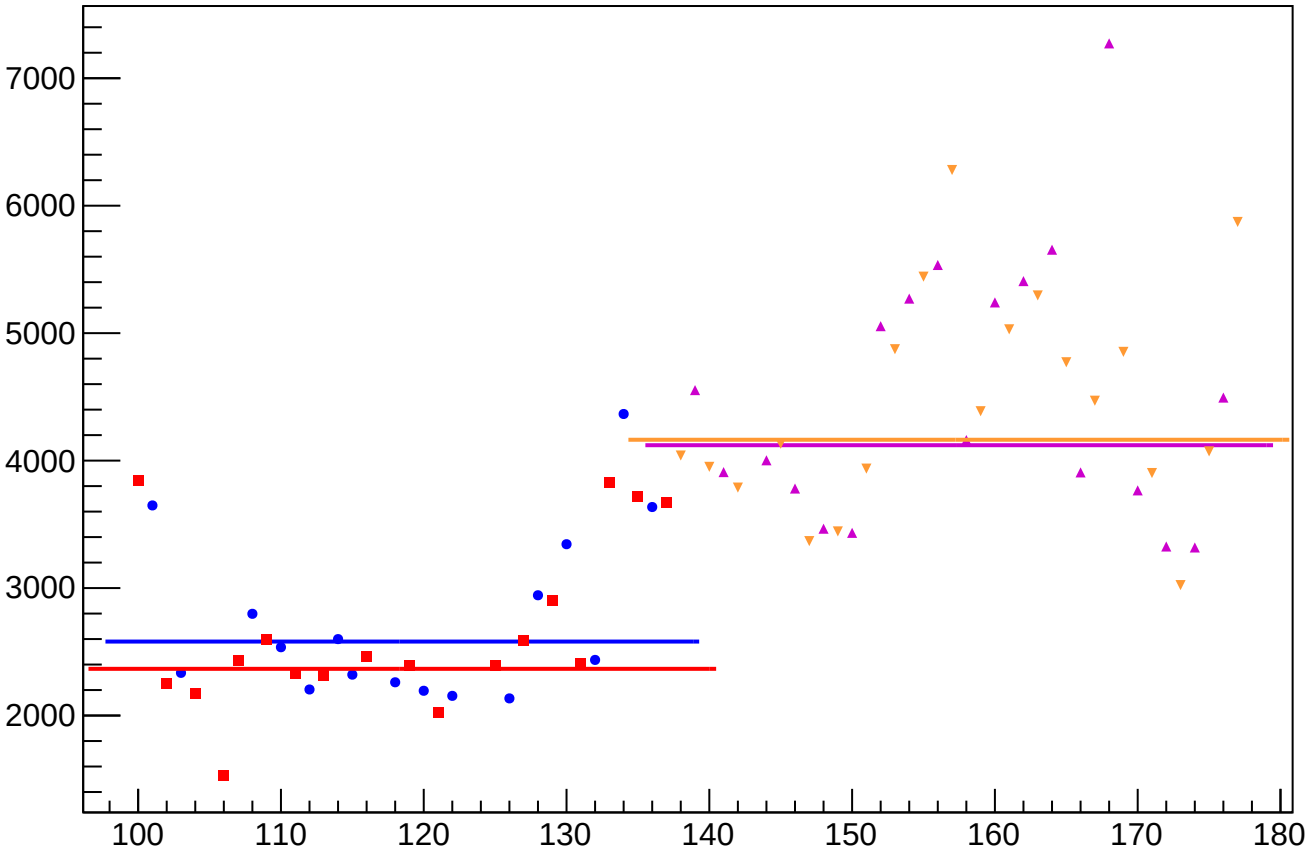
Left: -148.850+/-756.849 χ^2/NDF: 38.5/38

Right: 151.392+/-662.006 χ^2/NDF: 32.2/33

In: 239.007+/-724.689 χ^2/NDF:26.4/34

Out: -174.018+/-686.251 χ^2/NDF:44.2/37

All: 21.251+/-498.287 χ^2/NDF: 70.7/72



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 4163.683+/-0.757 χ^2/NDF:1044806.5/19

Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

Left In: 4120.858+/-0.757 χ^2/NDF:1211635.0/18

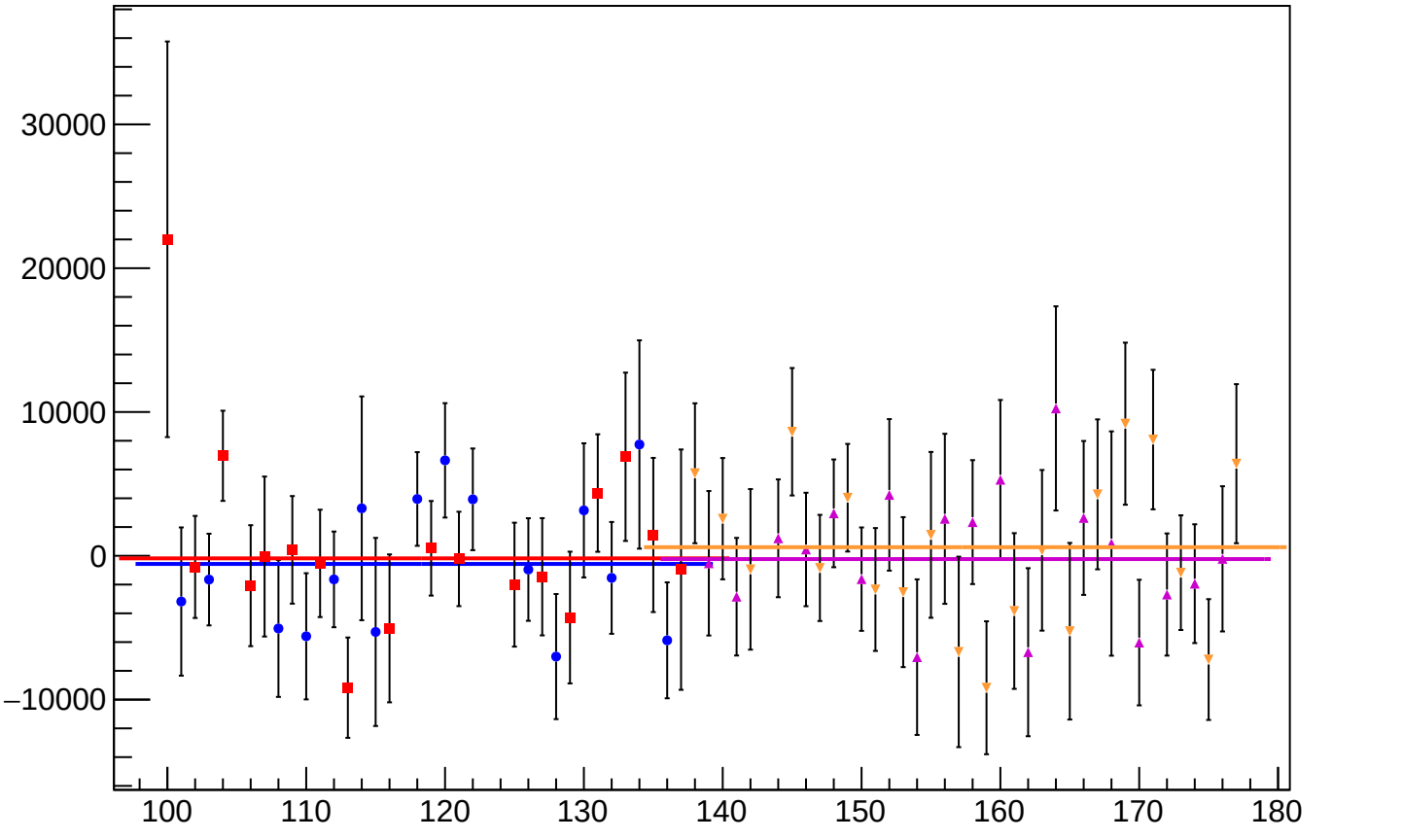
Left: 4142.262+/-0.535 χ^2/NDF: 2258042.4/38

Right: 2463.075+/-0.468 χ^2/NDF: 1280607.2/33

In: 3286.810+/-0.512 χ^2/NDF:4072649.4/34

Out: 3104.940+/-0.485 χ^2/NDF:4977171.5/37

All: 3190.924+/-0.352 χ^2/NDF: 9116232.9/72



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 598.368+/-1070.166 χ^2/NDF:23.8/19

Right Out: -178.586+/-988.392 χ^2/NDF: 19.5/17

Left In: -227.763+/-1076.347 χ^2/NDF:11.3/18

Left: 187.682+/-758.897 χ^2/NDF: 35.4/38

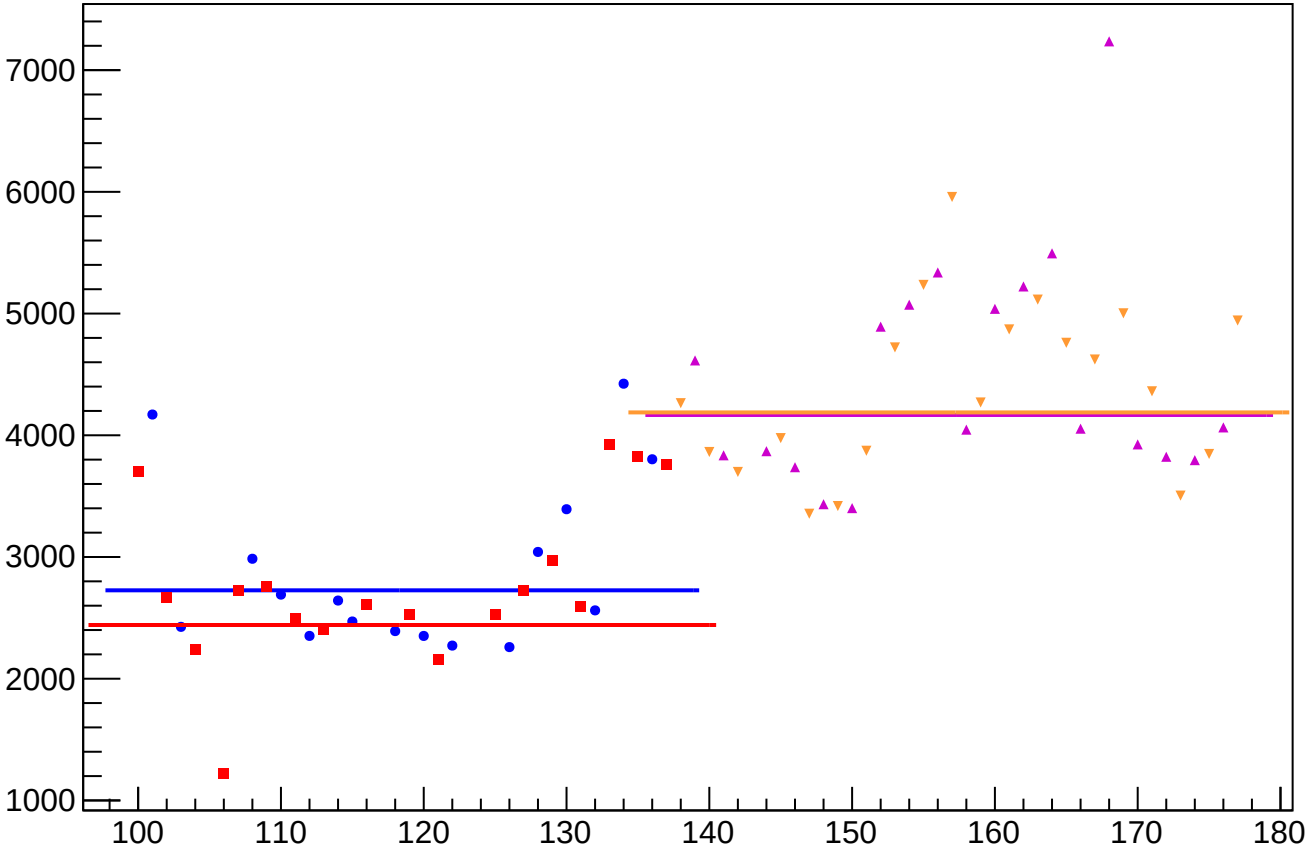
Right: -362.430+/-716.551 χ^2/NDF: 35.8/33

In: -402.687+/-748.027 χ^2/NDF:27.6/34

Out: 179.076+/-726.089 χ^2/NDF:43.6/37

All: -103.150+/-521.006 χ^2/NDF: 71.5/72

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 4187.932+/-0.757 χ^2/NDF:731465.8/19

Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 4166.914+/-0.761 χ^2/NDF:936016.3/18

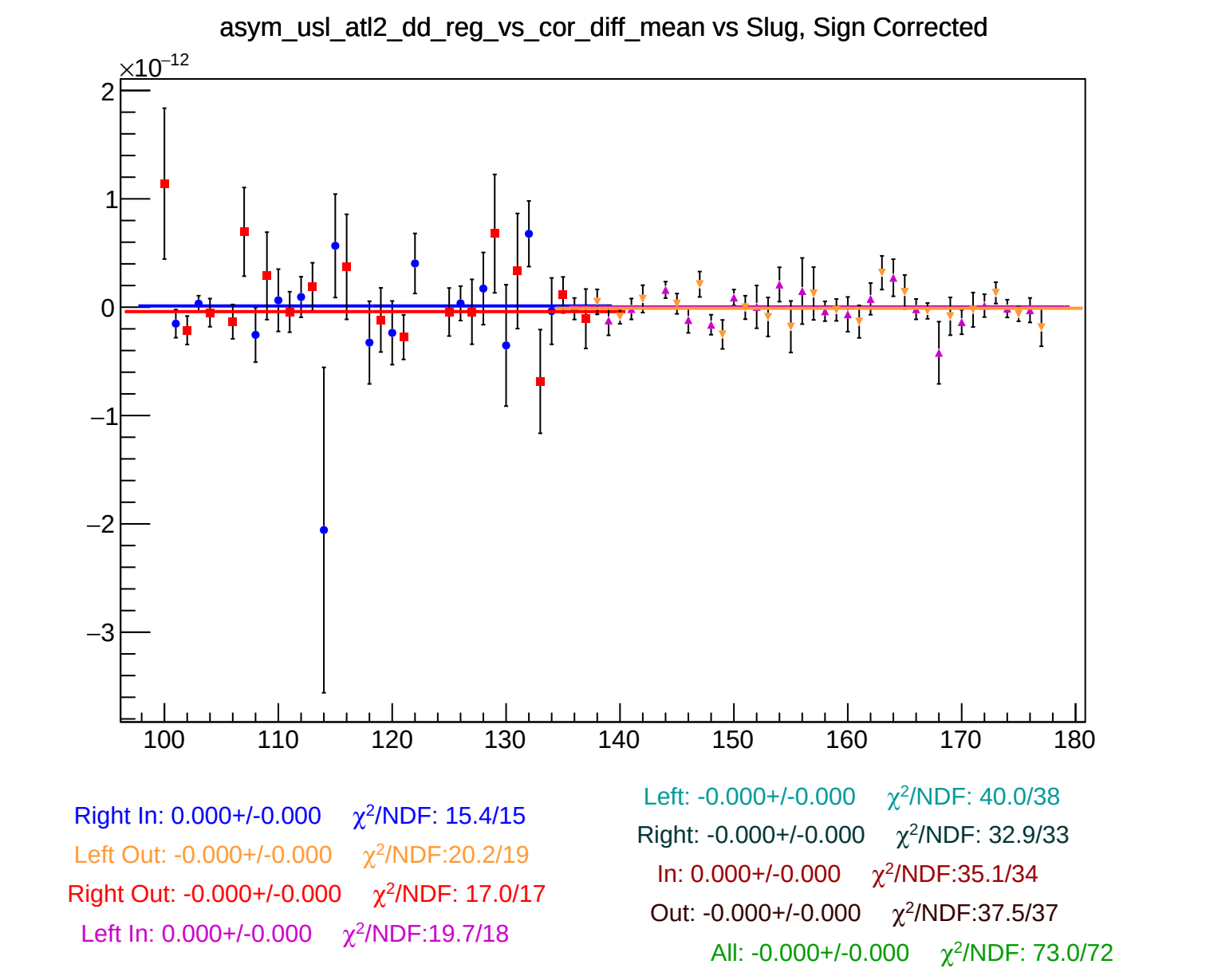
Left: 4177.483+/-0.537 χ^2/NDF: 1667865.6/38

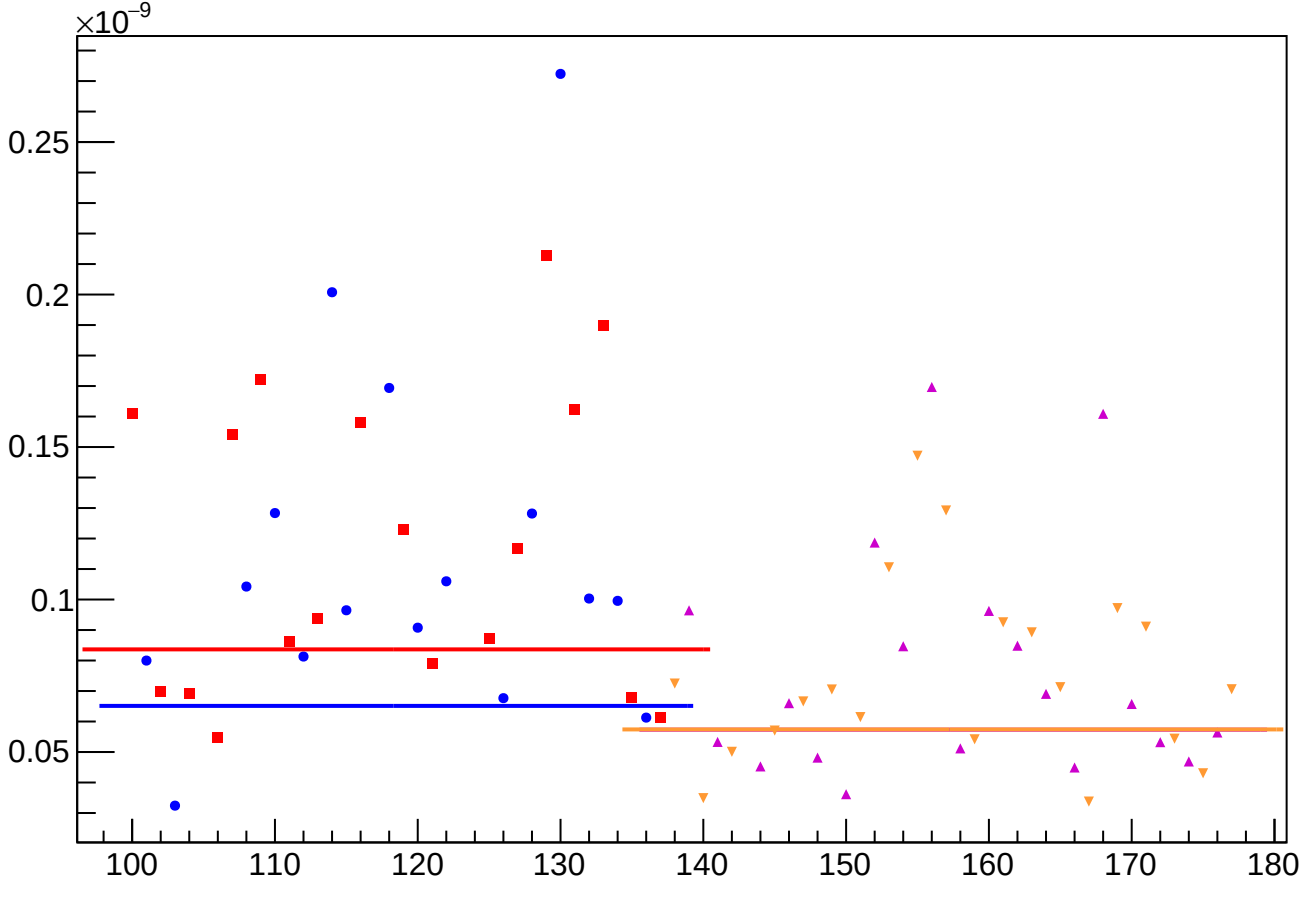
Right: 2569.883+/-0.494 χ^2/NDF: 1596520.0/33

In: 3422.053+/-0.529 χ^2/NDF:3411640.4/34

Out: 3204.940+/-0.500 χ^2/NDF:4620819.1/37

All: 3307.470+/-0.363 χ^2/NDF: 8121379.7/72


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:20.2/19
Right Out: -0.000+/-0.000 χ²/NDF: 17.0/17
Left In: 0.000+/-0.000 χ²/NDF:19.7/18
Left: -0.000+/-0.000 χ²/NDF: 40.0/38
Right: -0.000+/-0.000 χ²/NDF: 32.9/33
In: 0.000+/-0.000 χ²/NDF:35.1/34
Out: -0.000+/-0.000 χ²/NDF:37.5/37
All: -0.000+/-0.000 χ²/NDF: 73.0/72



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1657281.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1487068.5/18

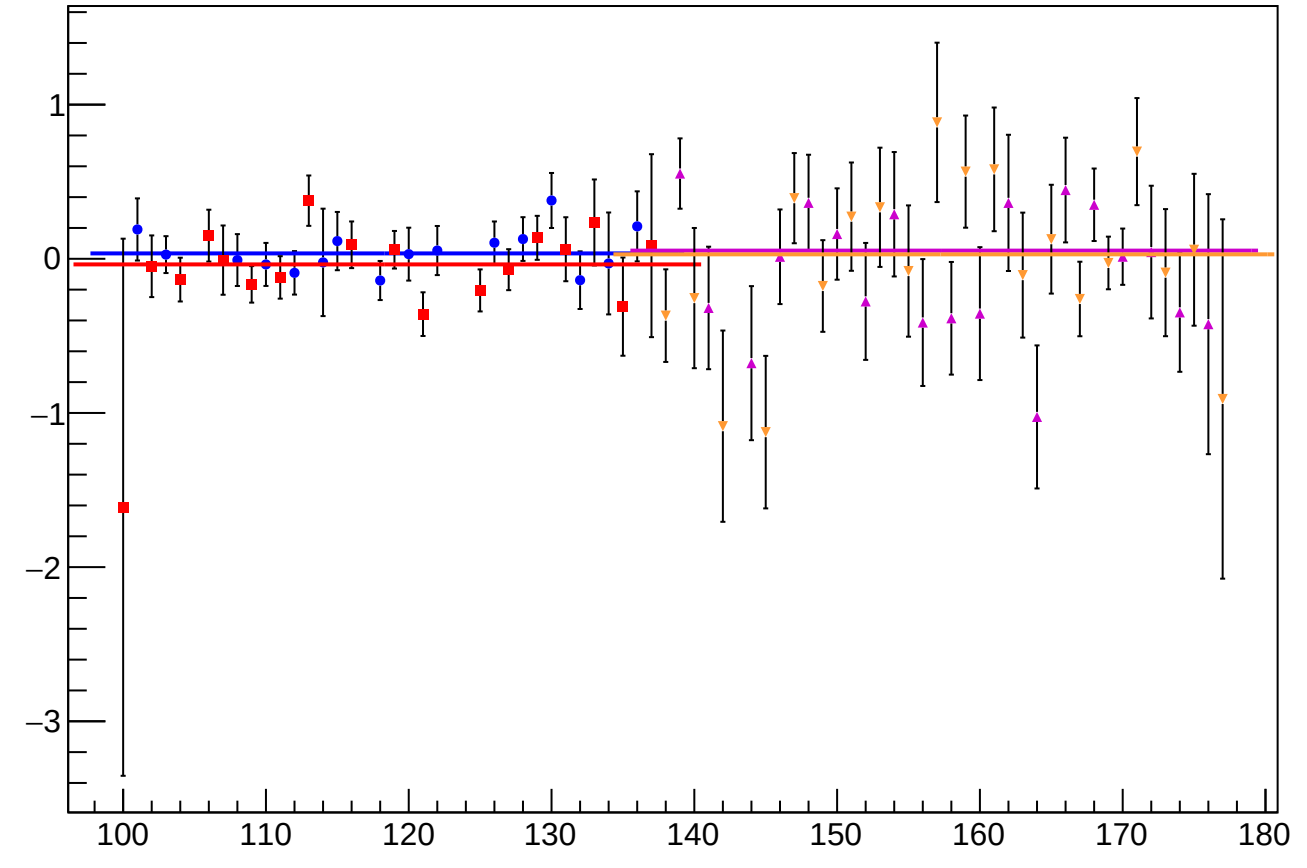
Left: 0.000+/-0.000 χ^2/NDF: 3144362.1/38

Right: 0.000+/-0.000 χ^2/NDF: 2057625.5/33

In: 0.000+/-0.000 χ^2/NDF:2756753.1/34

Out: 0.000+/-0.000 χ^2/NDF:2745824.9/37

All: 0.000+/-0.000 χ^2/NDF: 5519113.6/72



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.029+/-0.077 χ^2/NDF:27.0/19

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.053+/-0.076 χ^2/NDF:24.0/18

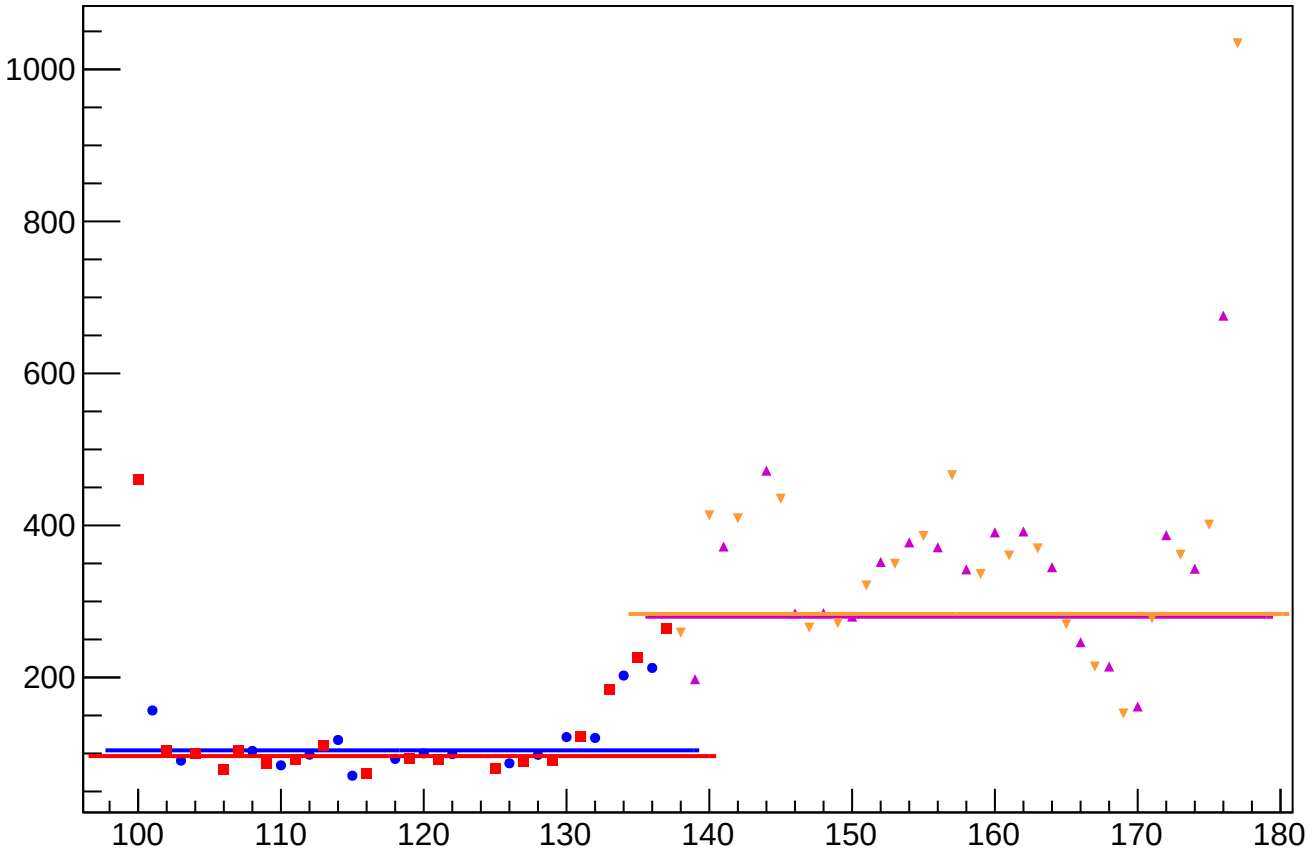
Left: 0.041+/-0.054 χ^2/NDF: 51.0/38

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.039+/-0.036 χ^2/NDF:33.7/34

Out: -0.023+/-0.035 χ^2/NDF:49.6/37

All: 0.007+/-0.025 χ^2/NDF: 84.9/72



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 283.542+/-0.055 χ^2/NDF:3469524.5/19

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 279.913+/-0.054 χ^2/NDF:2942889.6/18

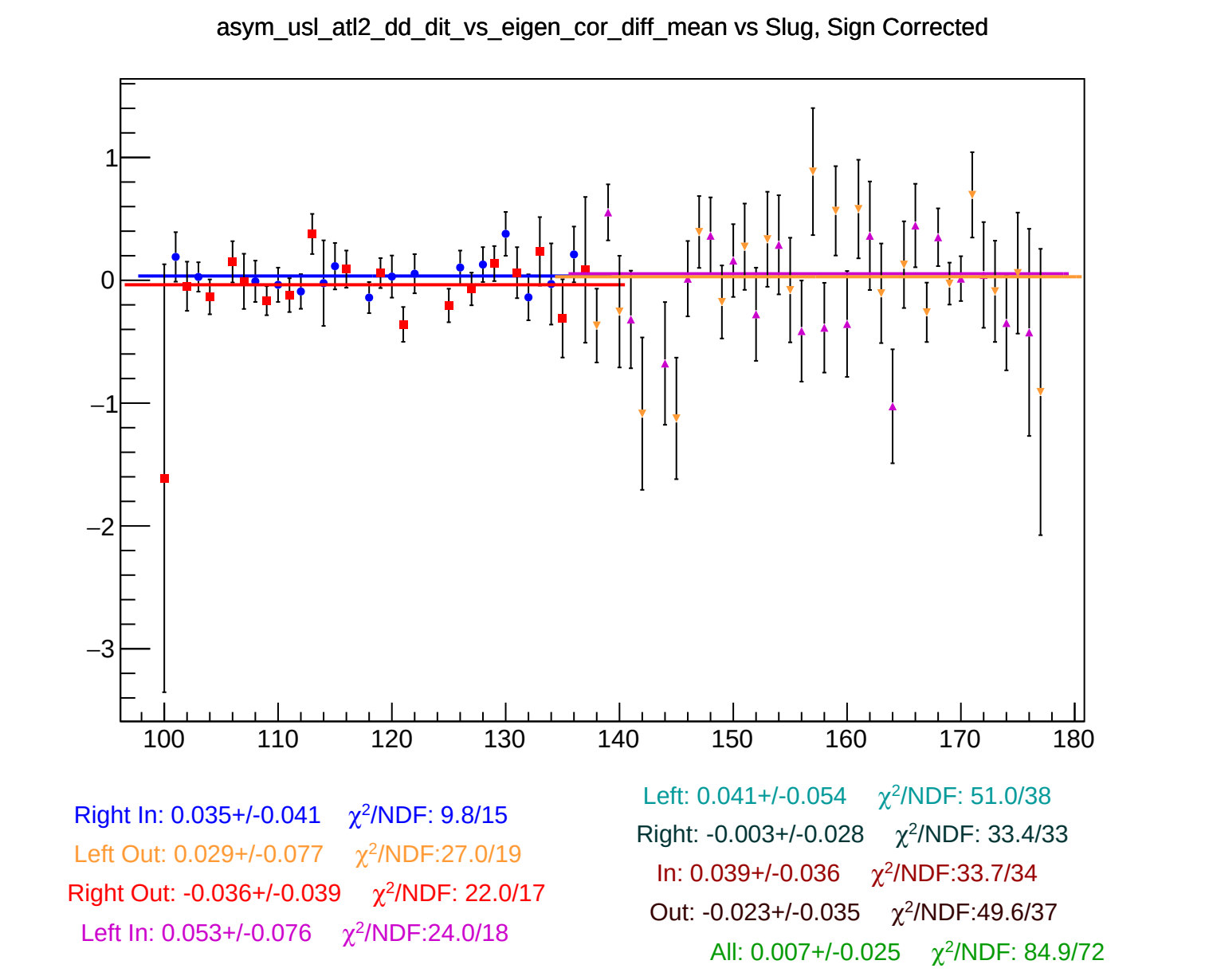
Left: 281.697+/-0.038 χ^2/NDF: 6414664.2/38

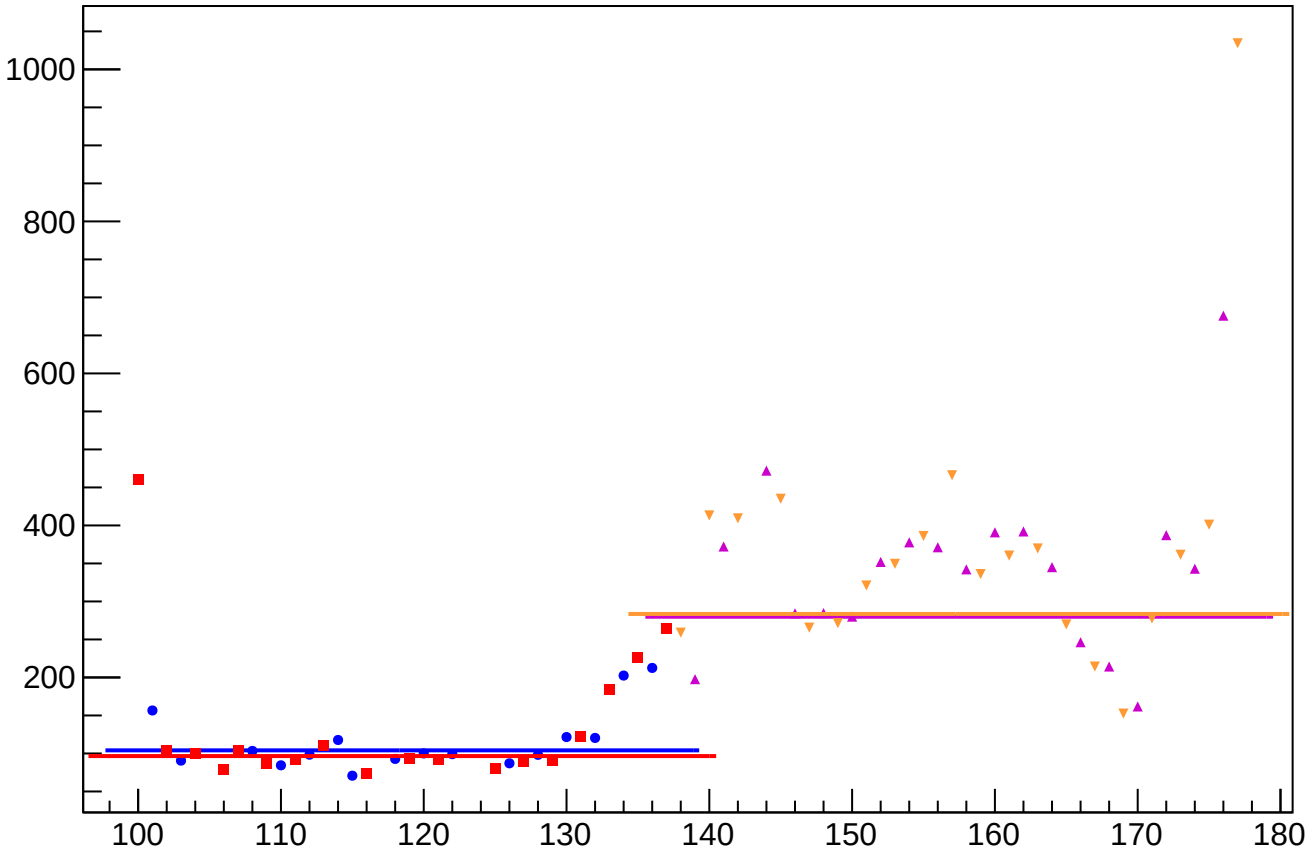
Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 143.895+/-0.026 χ^2/NDF:12244580.7/34

Out: 134.467+/-0.025 χ^2/NDF:13790470.2/37

All: 139.000+/-0.018 χ^2/NDF: 26105905.9/72


asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: 0.029+/-0.077 χ²/NDF:27.0/19
Right Out: -0.036+/-0.039 χ²/NDF: 22.0/17
Left In: 0.053+/-0.076 χ²/NDF:24.0/18
Left: 0.041+/-0.054 χ²/NDF: 51.0/38
Right: -0.003+/-0.028 χ²/NDF: 33.4/33
In: 0.039+/-0.036 χ²/NDF:33.7/34
Out: -0.023+/-0.035 χ²/NDF:49.6/37
All: 0.007+/-0.025 χ²/NDF: 84.9/72



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 283.542+/-0.055 χ^2/NDF:3469524.5/19

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 279.913+/-0.054 χ^2/NDF:2942889.6/18

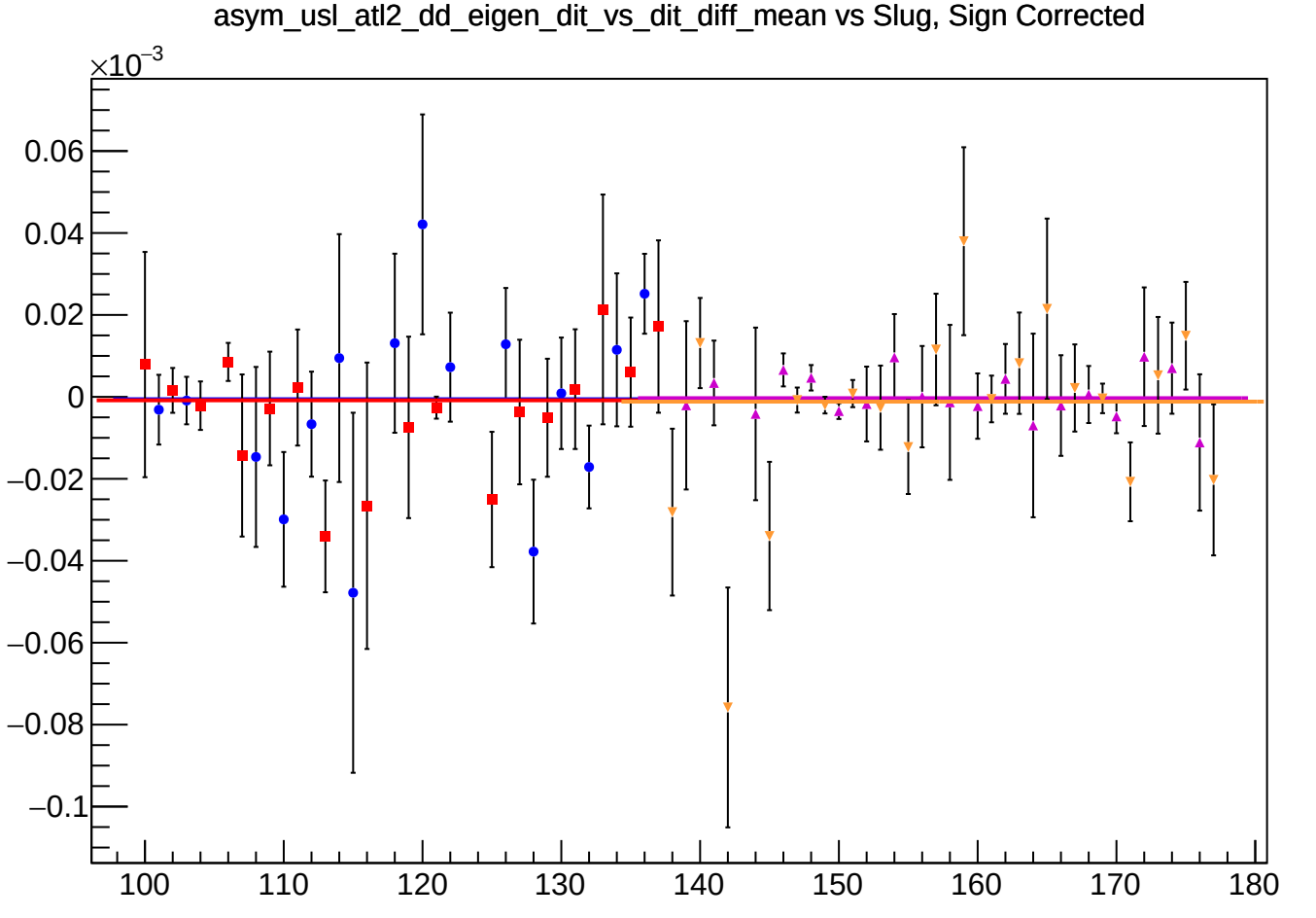
Left: 281.697+/-0.038 χ^2/NDF: 6414664.2/38

Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 143.895+/-0.026 χ^2/NDF:12244580.7/34

Out: 134.467+/-0.025 χ^2/NDF:13790470.2/37

All: 139.000+/-0.018 χ^2/NDF: 26105905.9/72



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.2/19

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/17

Left In: -0.000+/-0.000 χ^2/NDF:12.2/18

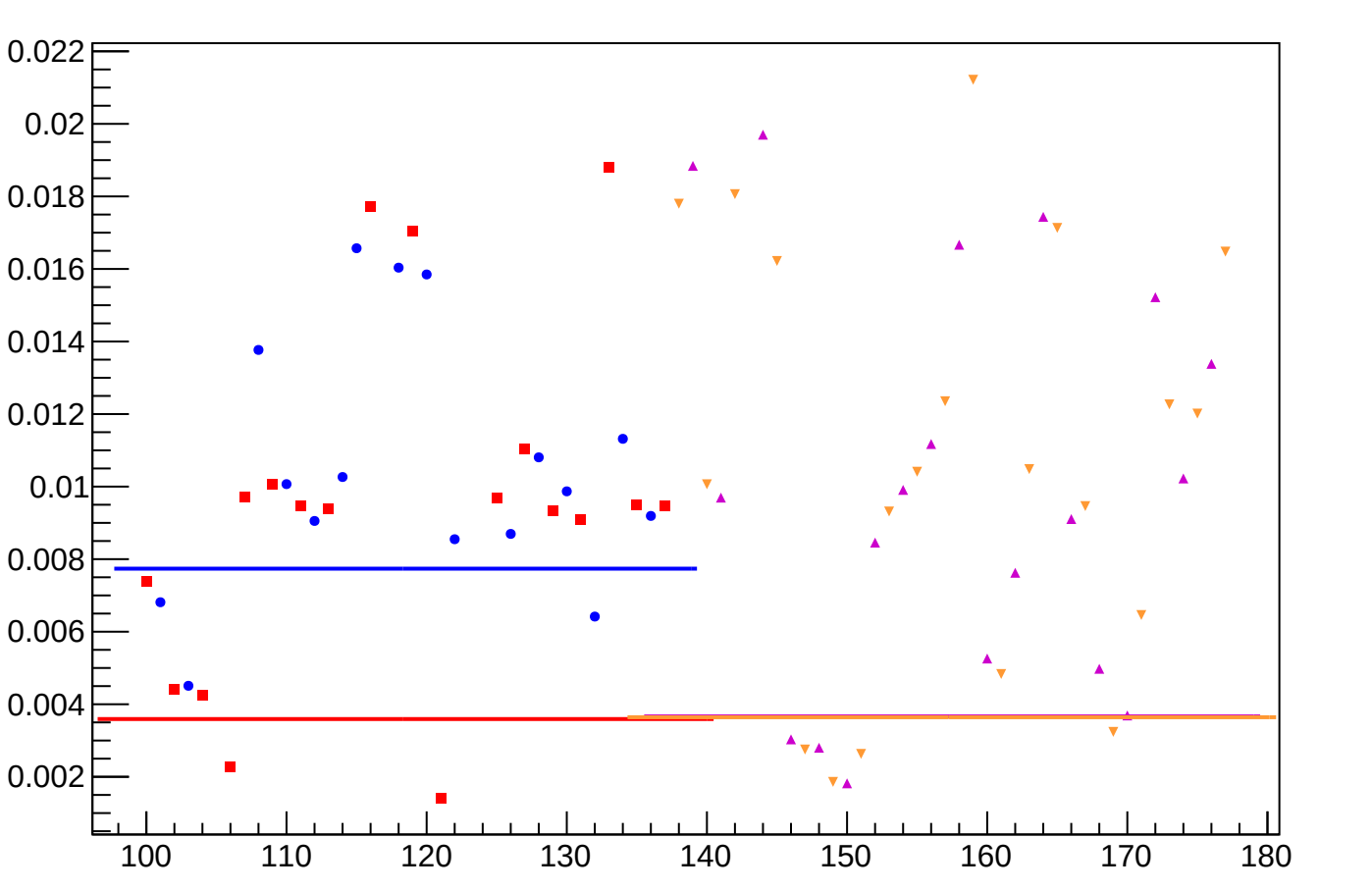
Left: -0.000+/-0.000 χ^2/NDF: 39.6/38

Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:36.1/34

Out: -0.000+/-0.000 χ^2/NDF:43.1/37

All: -0.000+/-0.000 χ^2/NDF: 79.4/72



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.004+/-0.000 χ^2/NDF:13044047.4/19

Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

Left In: 0.004+/-0.000 χ^2/NDF:11949330.0/18

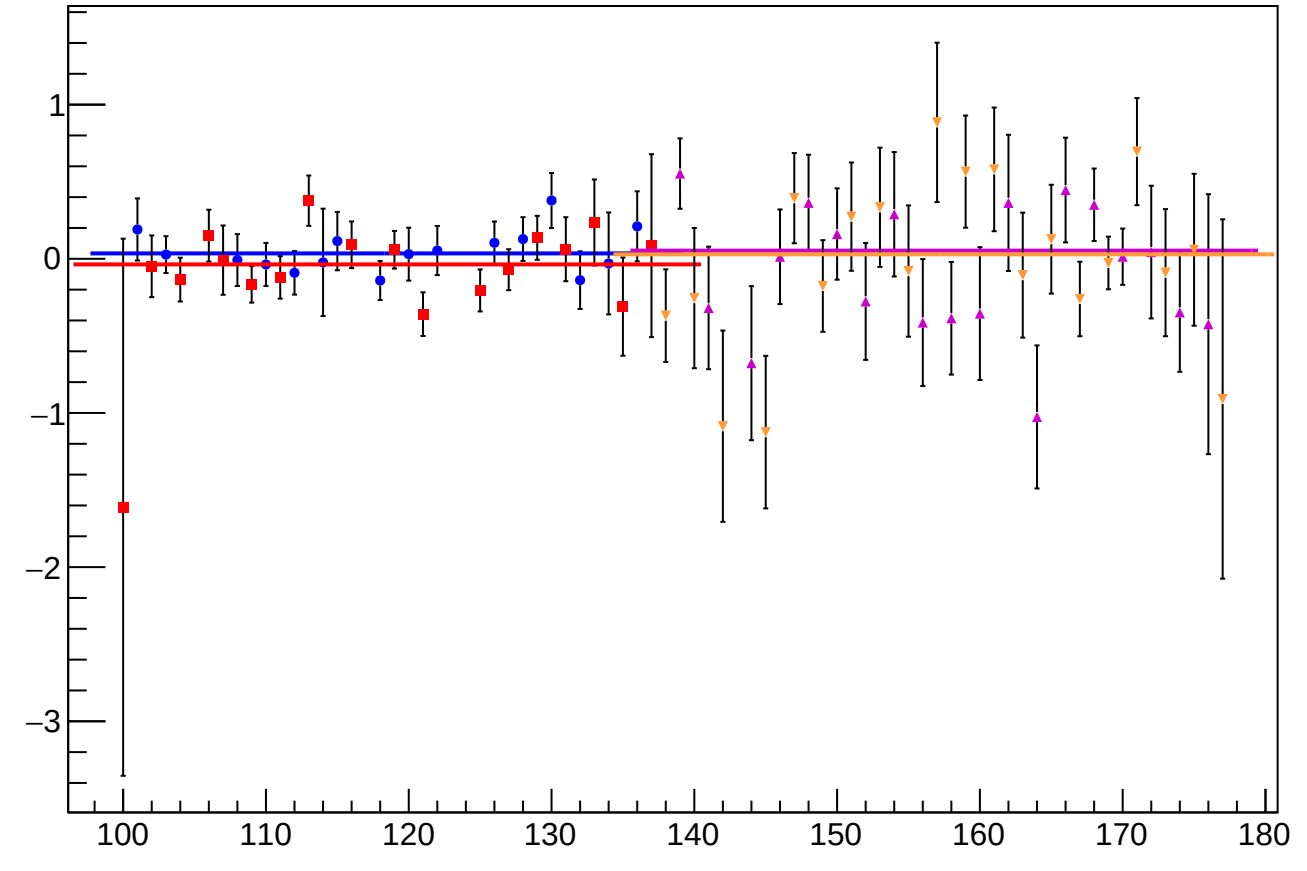
Left: 0.004+/-0.000 χ^2/NDF: 24993723.8/38

Right: 0.005+/-0.000 χ^2/NDF: 10695382.9/33

In: 0.004+/-0.000 χ^2/NDF:16582562.9/34

Out: 0.004+/-0.000 χ^2/NDF:19409918.7/37

All: 0.004+/-0.000 χ^2/NDF: 36309241.2/72



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.029+/-0.077 χ^2/NDF:27.0/19

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.053+/-0.076 χ^2/NDF:24.0/18

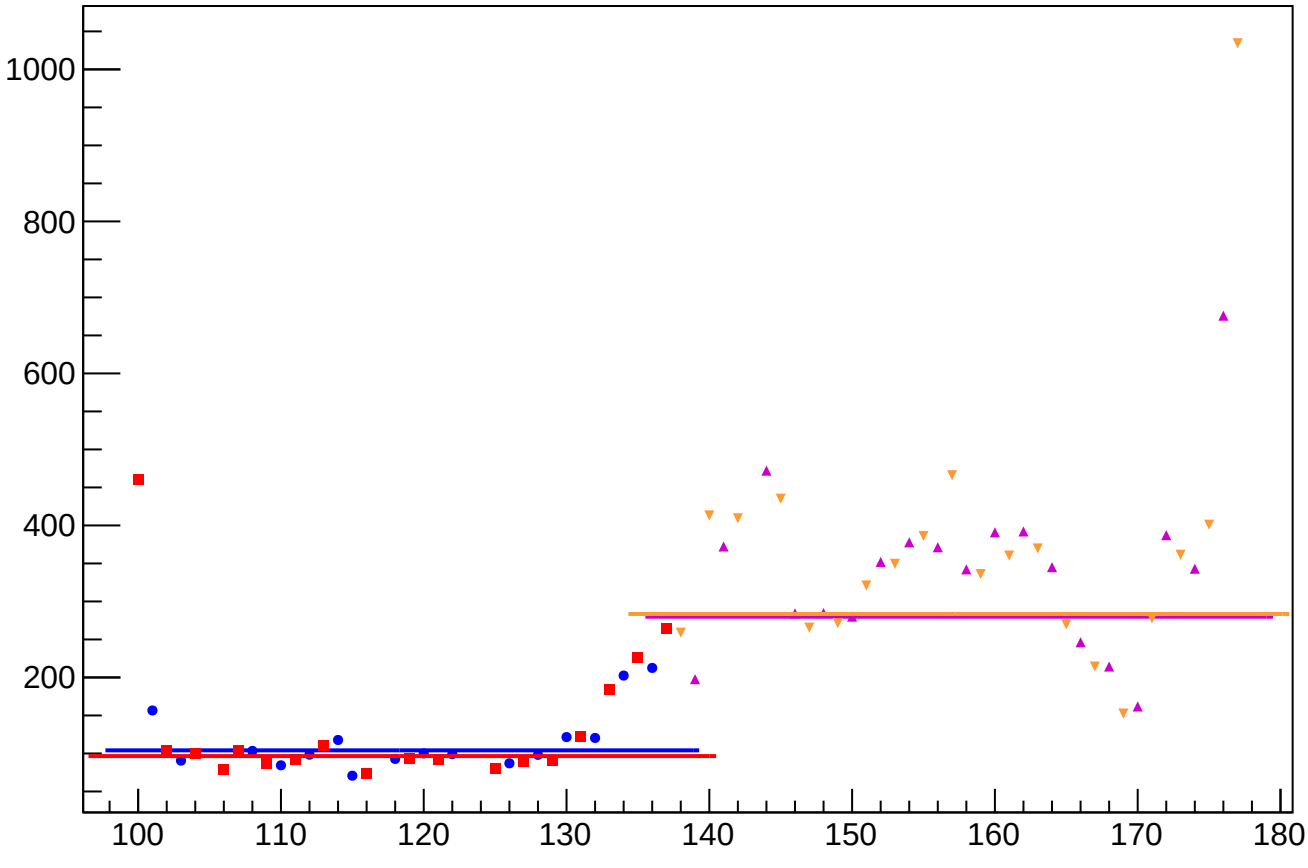
Left: 0.041+/-0.054 χ^2/NDF: 51.0/38

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.039+/-0.036 χ^2/NDF:33.7/34

Out: -0.023+/-0.035 χ^2/NDF:49.6/37

All: 0.007+/-0.025 χ^2/NDF: 84.9/72



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 283.544+/-0.055 χ^2/NDF:3469574.5/19

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 279.916+/-0.054 χ^2/NDF:2942847.0/18

Left: 281.699+/-0.038 χ^2/NDF: 6414669.7/38

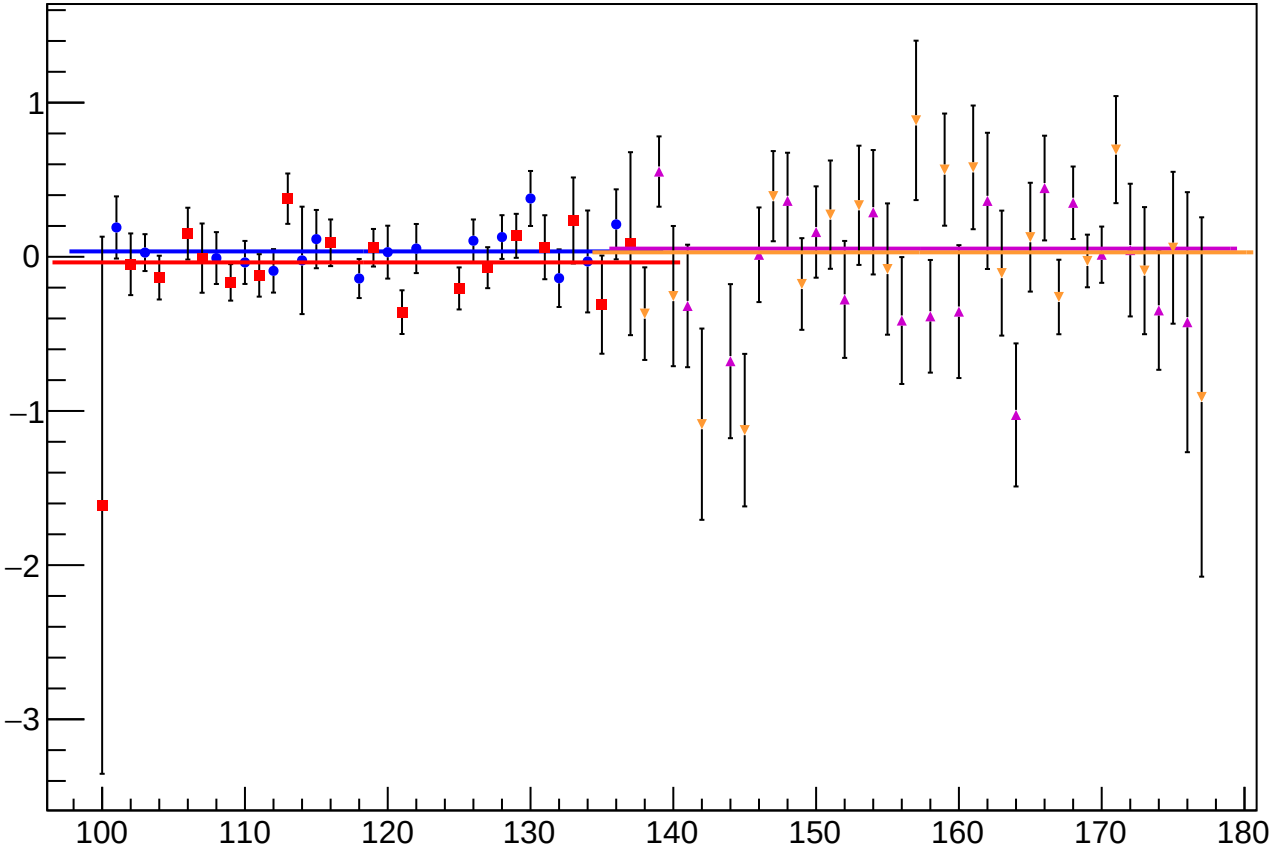
Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 143.896+/-0.026 χ^2/NDF:12244550.7/34

Out: 134.468+/-0.025 χ^2/NDF:13790356.2/37

All: 139.002+/-0.018 χ^2/NDF: 26105754.1/72

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: 0.029+/-0.077 χ^2/NDF:27.0/19

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.053+/-0.076 χ^2/NDF:24.0/18

Left: 0.041+/-0.054 χ^2/NDF: 51.0/38

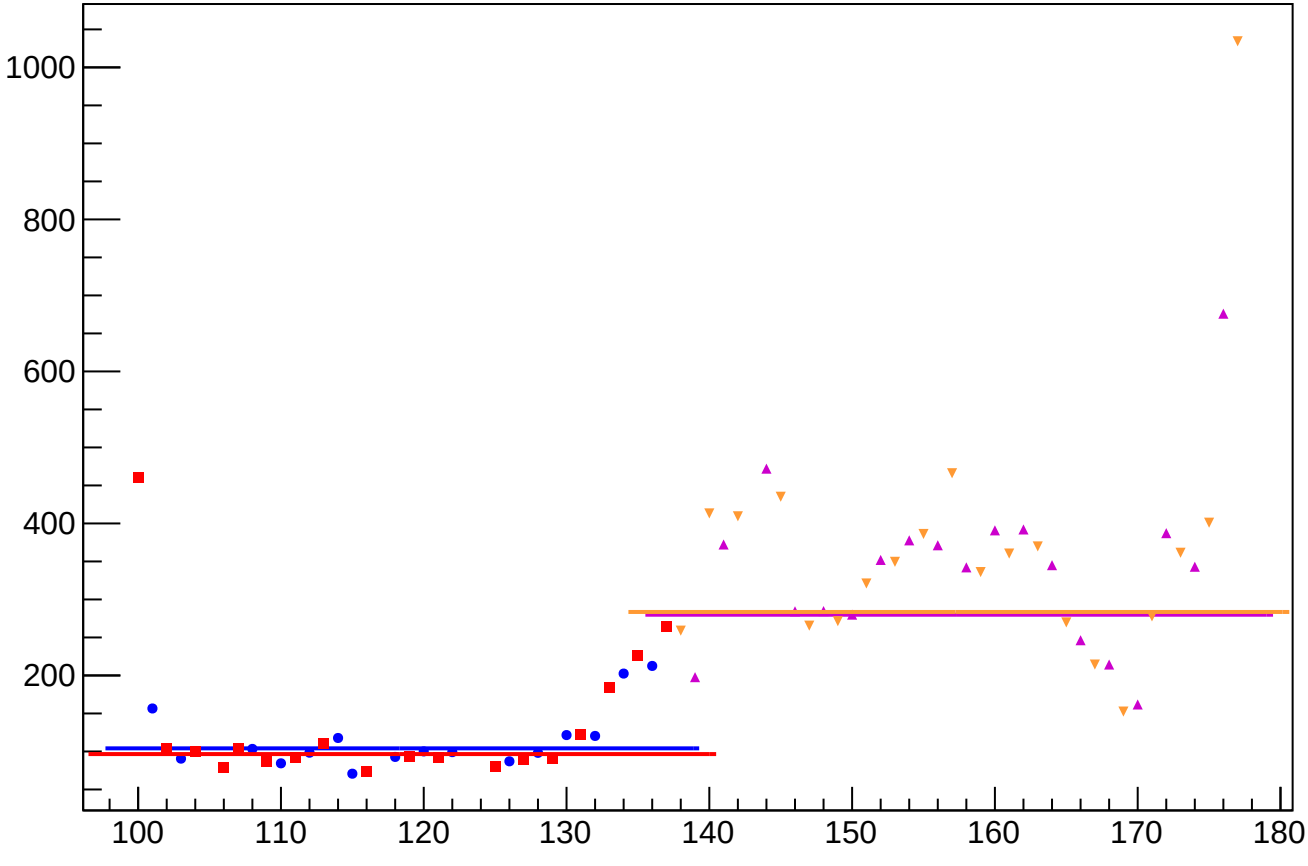
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.039+/-0.036 χ^2/NDF:33.7/34

Out: -0.023+/-0.035 χ^2/NDF:49.6/37

All: 0.007+/-0.025 χ^2/NDF: 84.9/72

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 283.544+/-0.055 χ^2/NDF:3469574.5/19

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 279.916+/-0.054 χ^2/NDF:2942847.0/18

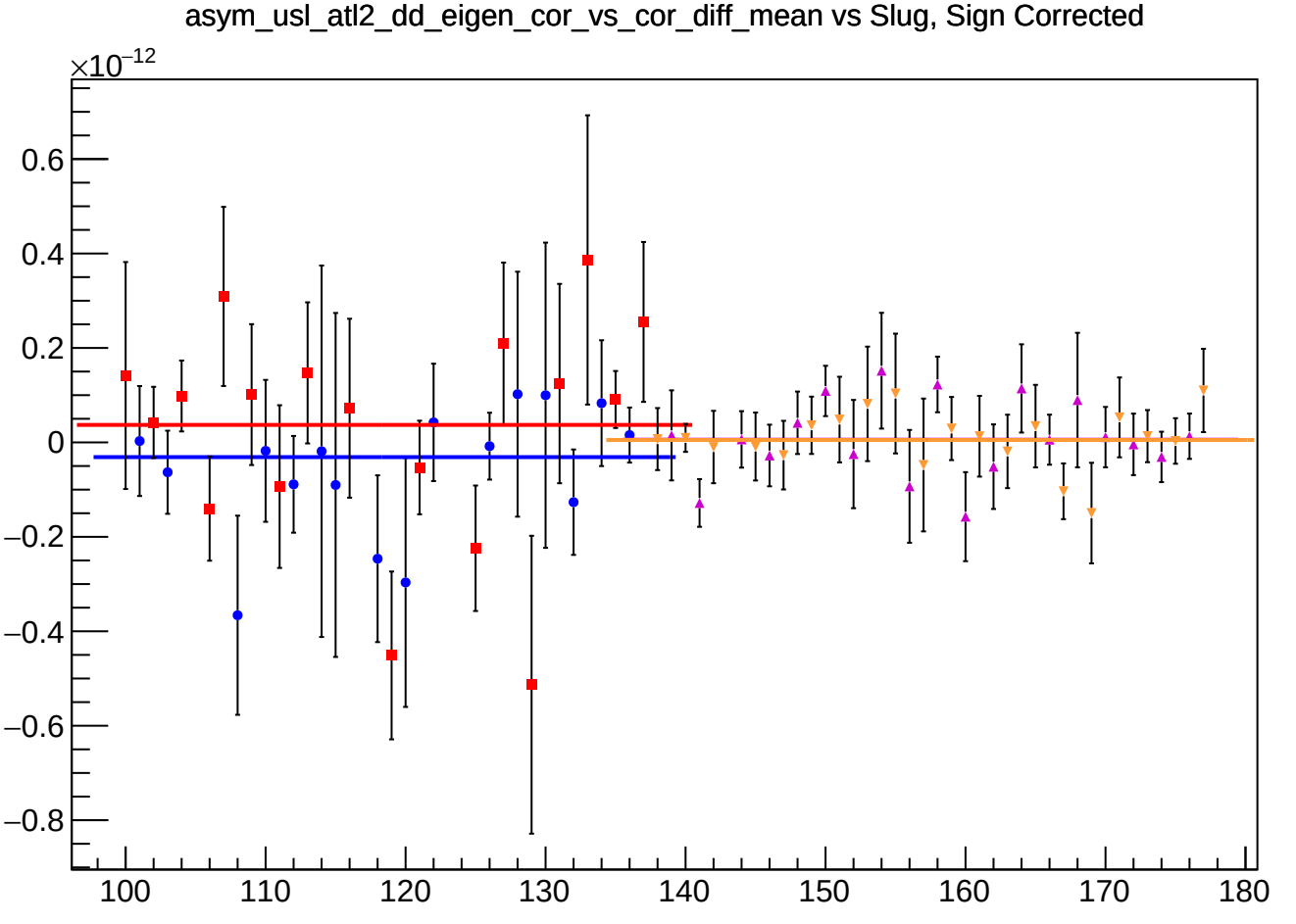
Left: 281.699+/-0.038 χ^2/NDF: 6414669.7/38

Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 143.896+/-0.026 χ^2/NDF:12244550.7/34

Out: 134.468+/-0.025 χ^2/NDF:13790356.2/37

All: 139.002+/-0.018 χ^2/NDF: 26105754.1/72



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: 0.000+/-0.000 χ^2/NDF:23.1/18

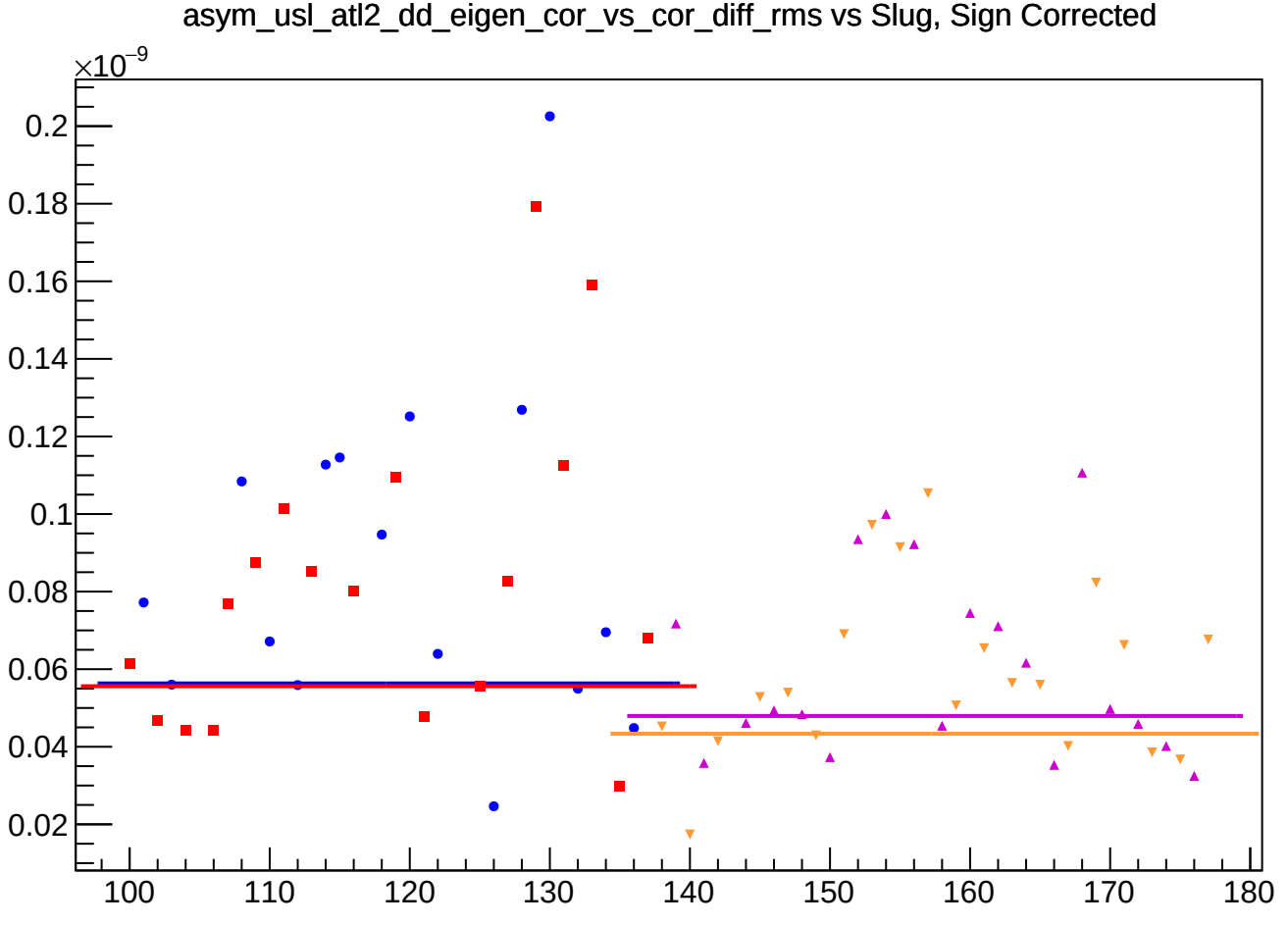
Left: 0.000+/-0.000 χ^2/NDF: 32.6/38

Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: -0.000+/-0.000 χ^2/NDF:32.9/34

Out: 0.000+/-0.000 χ^2/NDF:37.6/37

All: 0.000+/-0.000 χ^2/NDF: 71.0/72



Right In: 0.000+/-0.000 χ^2/NDF: 1582688.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:3730836.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1767462.9/17

Left In: 0.000+/-0.000 χ^2/NDF:2368604.0/18

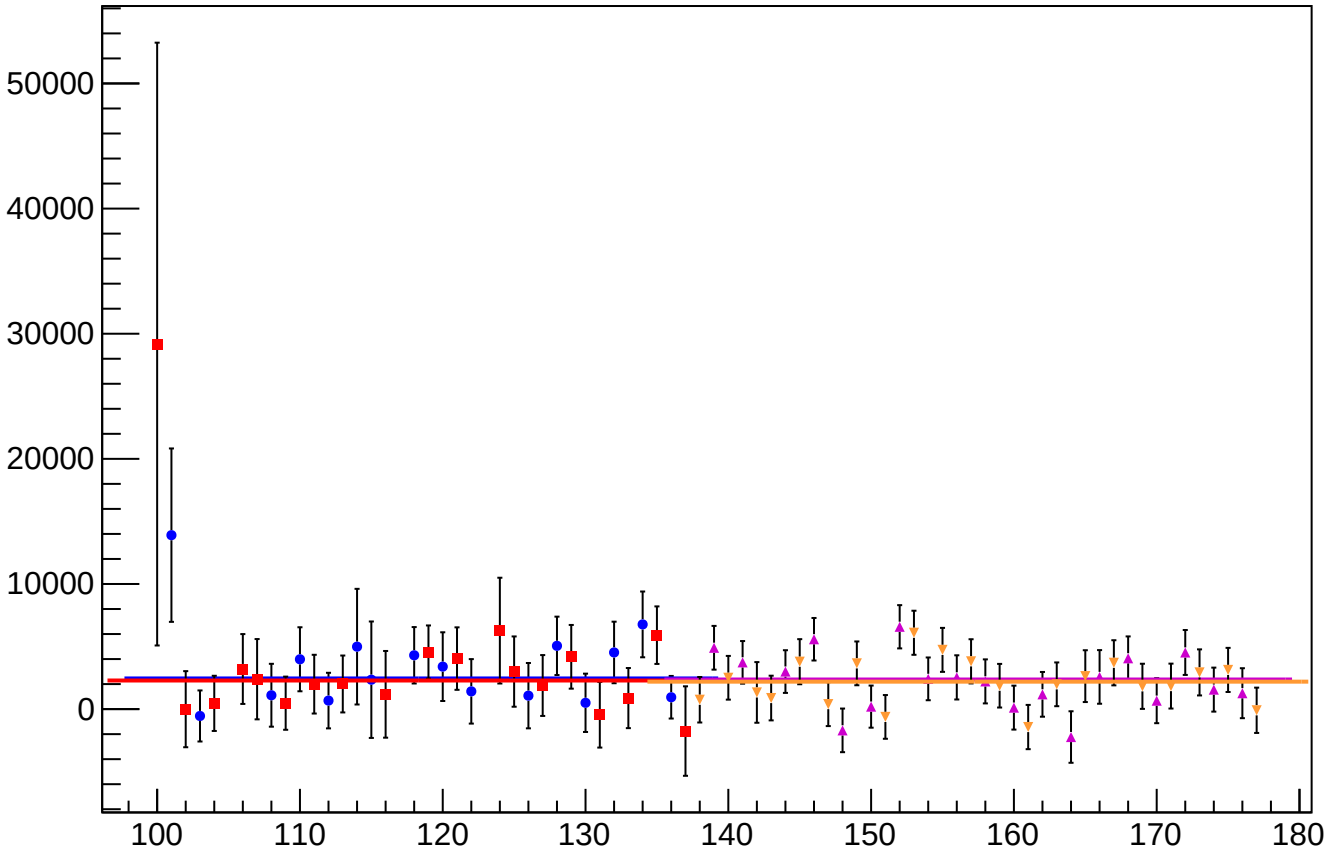
Left: 0.000+/-0.000 χ^2/NDF: 6190501.4/38

Right: 0.000+/-0.000 χ^2/NDF: 3350763.8/33

In: 0.000+/-0.000 χ^2/NDF:4077620.5/34

Out: 0.000+/-0.000 χ^2/NDF:5785610.0/37

All: 0.000+/-0.000 χ^2/NDF: 9944456.7/72



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2194.422+/-394.561 χ^2/NDF:21.4/20

Right Out: 2286.573+/-609.157 χ^2/NDF: 11.8/18

Left In: 2365.624+/-408.993 χ^2/NDF:30.4/18

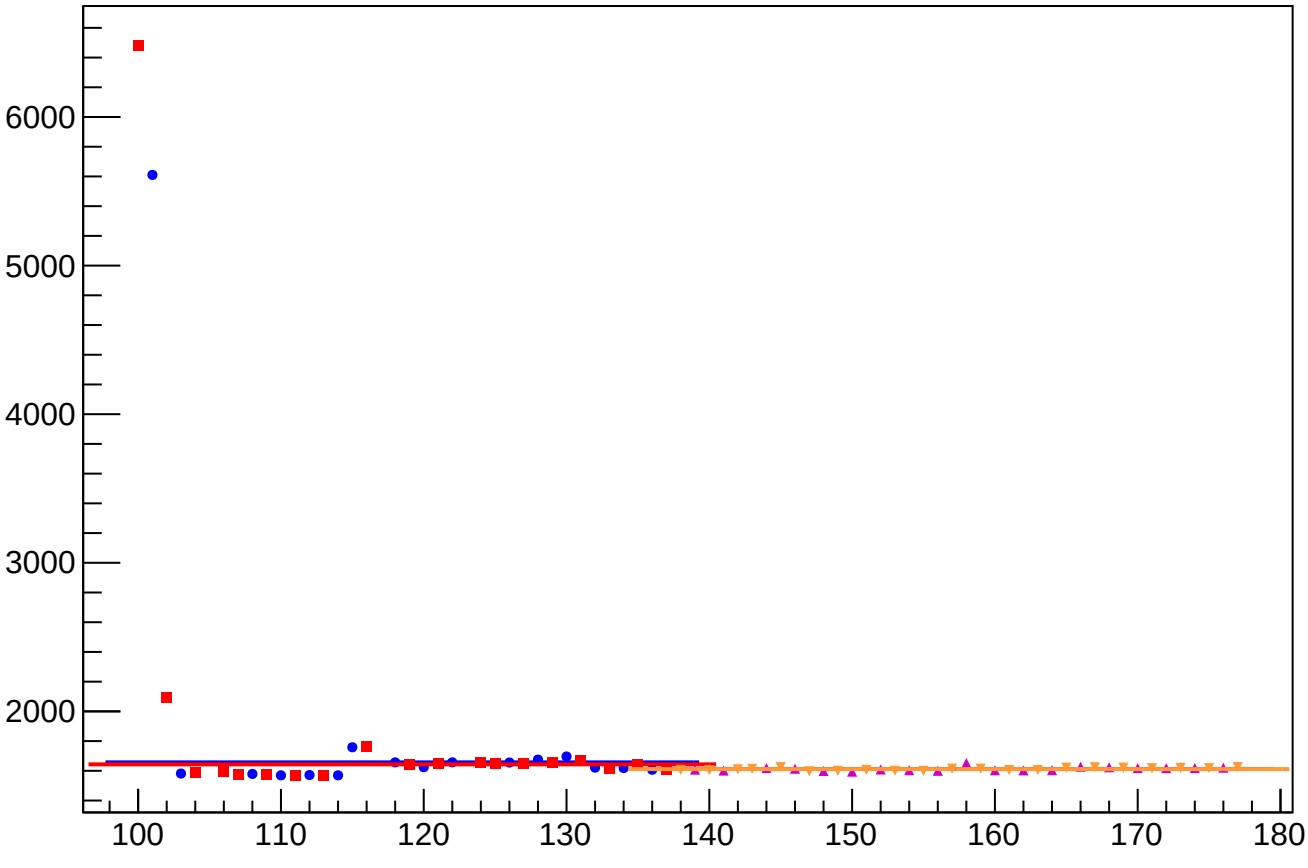
Left: 2276.949+/-283.962 χ^2/NDF: 51.9/39

Right: 2365.487+/-438.001 χ^2/NDF: 25.7/34

In: 2390.615+/-343.082 χ^2/NDF:44.2/34

Out: 2221.656+/-331.162 χ^2/NDF:33.3/39

All: 2303.150+/-238.269 χ^2/NDF: 77.7/74



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1611.550+/-0.279 χ^2/NDF:1042.7/20

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

Left In: 1612.352+/-0.289 χ^2/NDF:2087.7/18

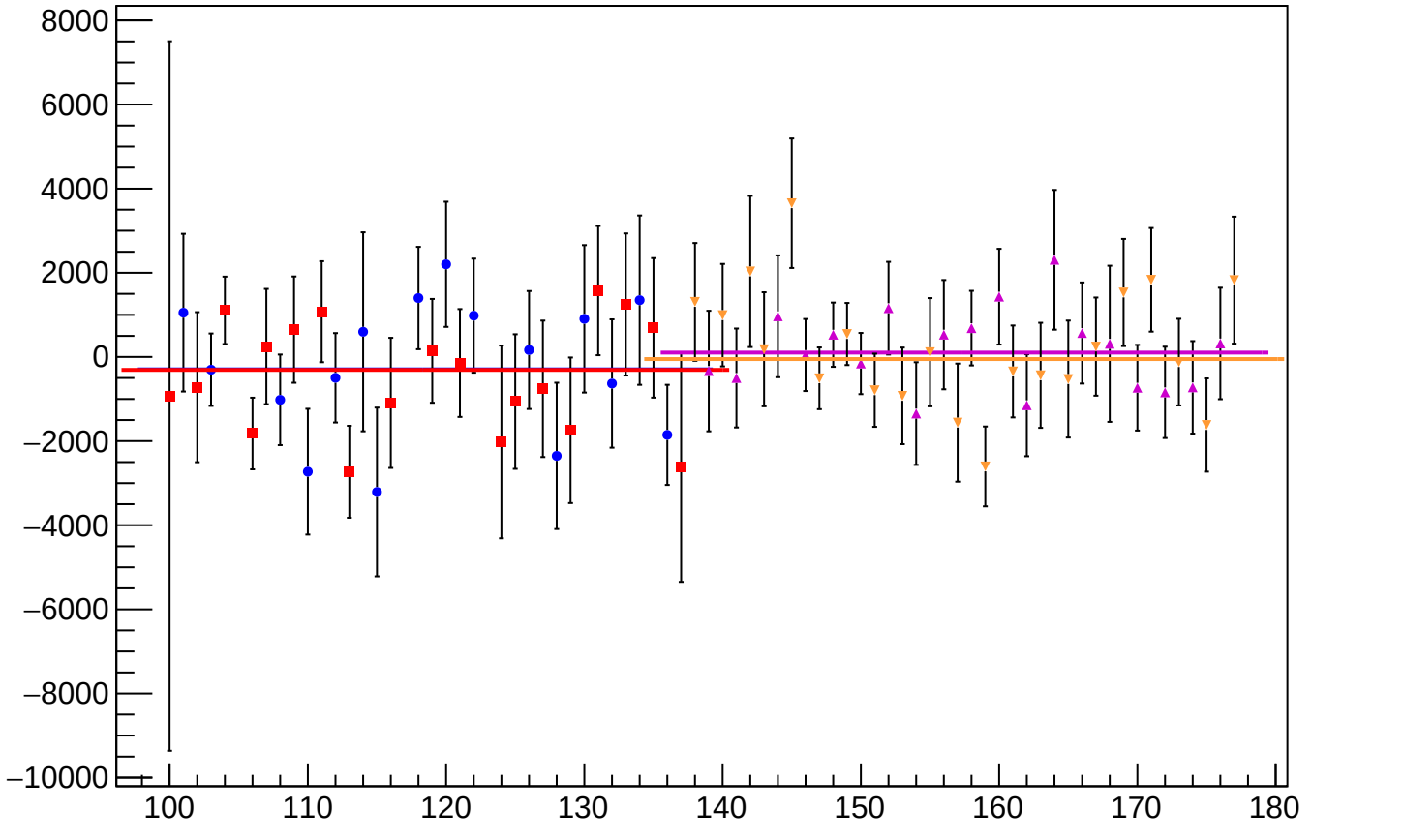
Left: 1611.936+/-0.201 χ^2/NDF: 3134.3/39

Right: 1649.831+/-0.310 χ^2/NDF: 803681.3/34

In: 1625.489+/-0.243 χ^2/NDF:675277.1/34

Out: 1620.972+/-0.234 χ^2/NDF:141899.5/39

All: 1623.151+/-0.168 χ^2/NDF: 817356.1/74



Right In: -296.450+/-343.436 χ^2/NDF: 16.0/15

Left Out: -50.377+/-245.026 χ^2/NDF:27.4/20

Right Out: -307.671+/-312.976 χ^2/NDF: 18.7/18

Left In: 102.993+/-249.817 χ^2/NDF:10.4/18

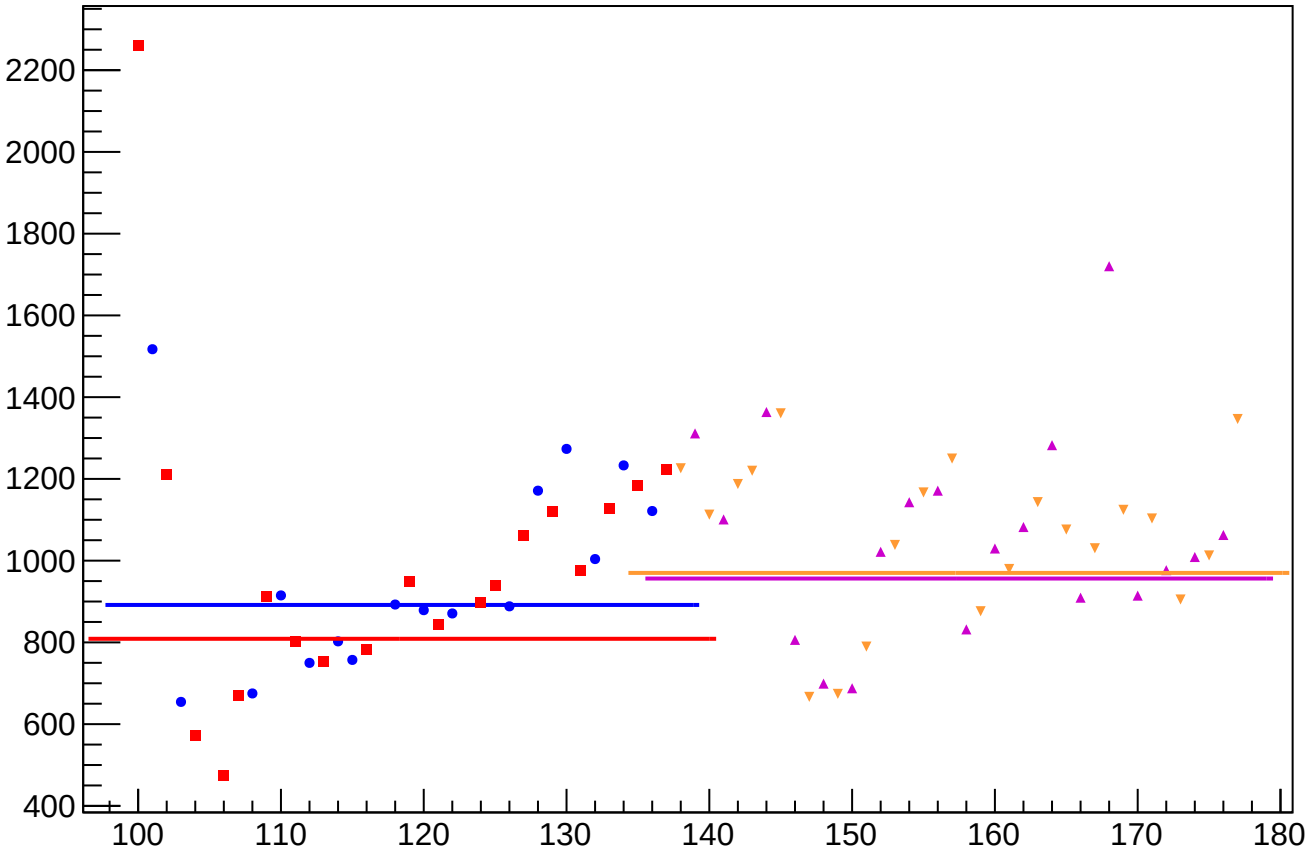
Left: 24.823+/-174.929 χ^2/NDF: 38.0/39

Right: -302.580+/-231.328 χ^2/NDF: 34.7/34

In: -35.226+/-202.023 χ^2/NDF:27.2/34

Out: -148.150+/-192.933 χ^2/NDF:46.5/39

All: -94.286+/-139.527 χ^2/NDF: 73.9/74



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 970.012+/-0.173 χ^2/NDF:1465849.1/20

Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 956.239+/-0.177 χ^2/NDF:1490707.5/18

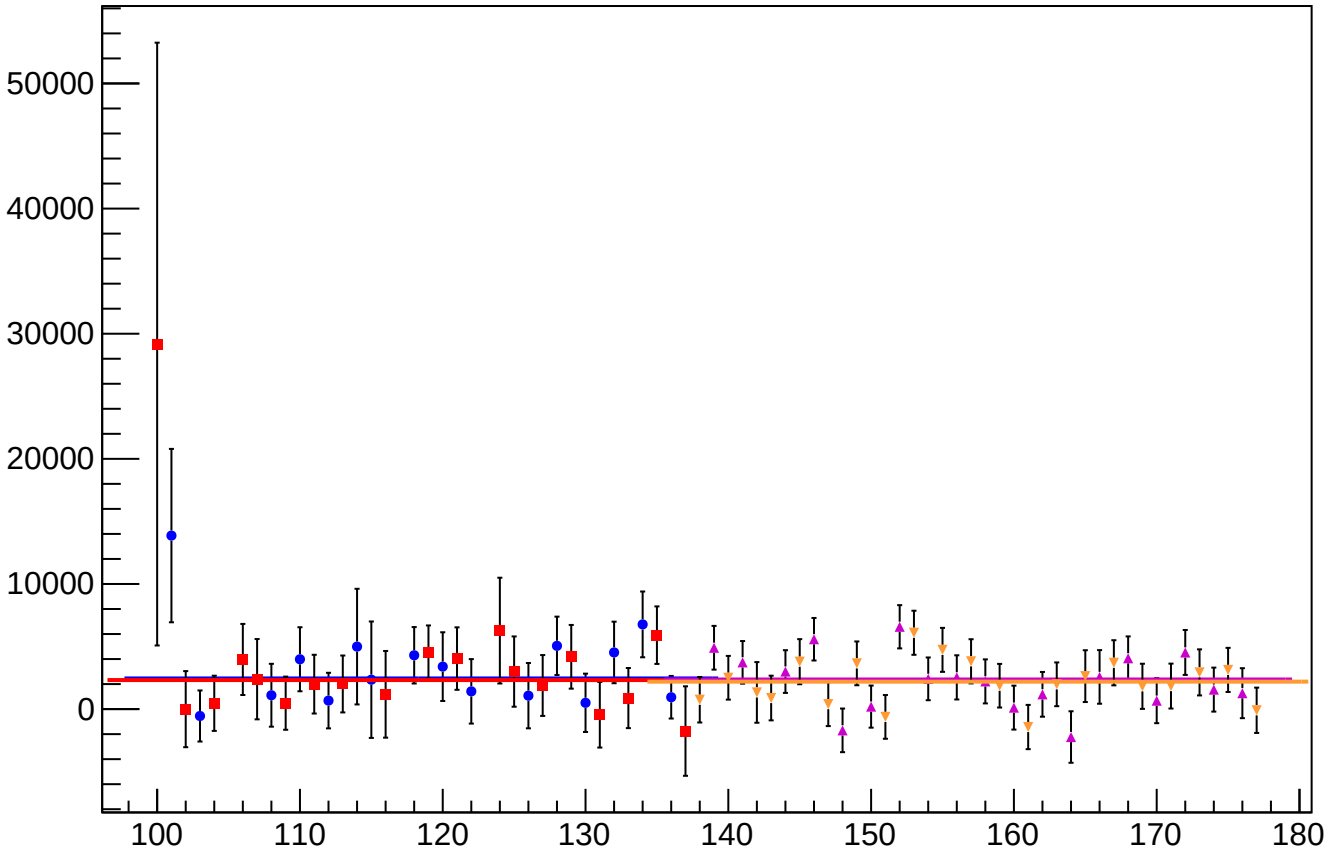
Left: 963.259+/-0.124 χ^2/NDF: 2959655.3/39

Right: 846.386+/-0.164 χ^2/NDF: 1941284.0/34

In: 933.883+/-0.143 χ^2/NDF:2330889.5/34

Out: 908.755+/-0.136 χ^2/NDF:2878650.8/39

All: 920.741+/-0.099 χ^2/NDF: 5225723.9/74



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2194.412+/-394.561 χ^2/NDF:21.4/20

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 2365.647+/-408.993 χ^2/NDF:30.4/18

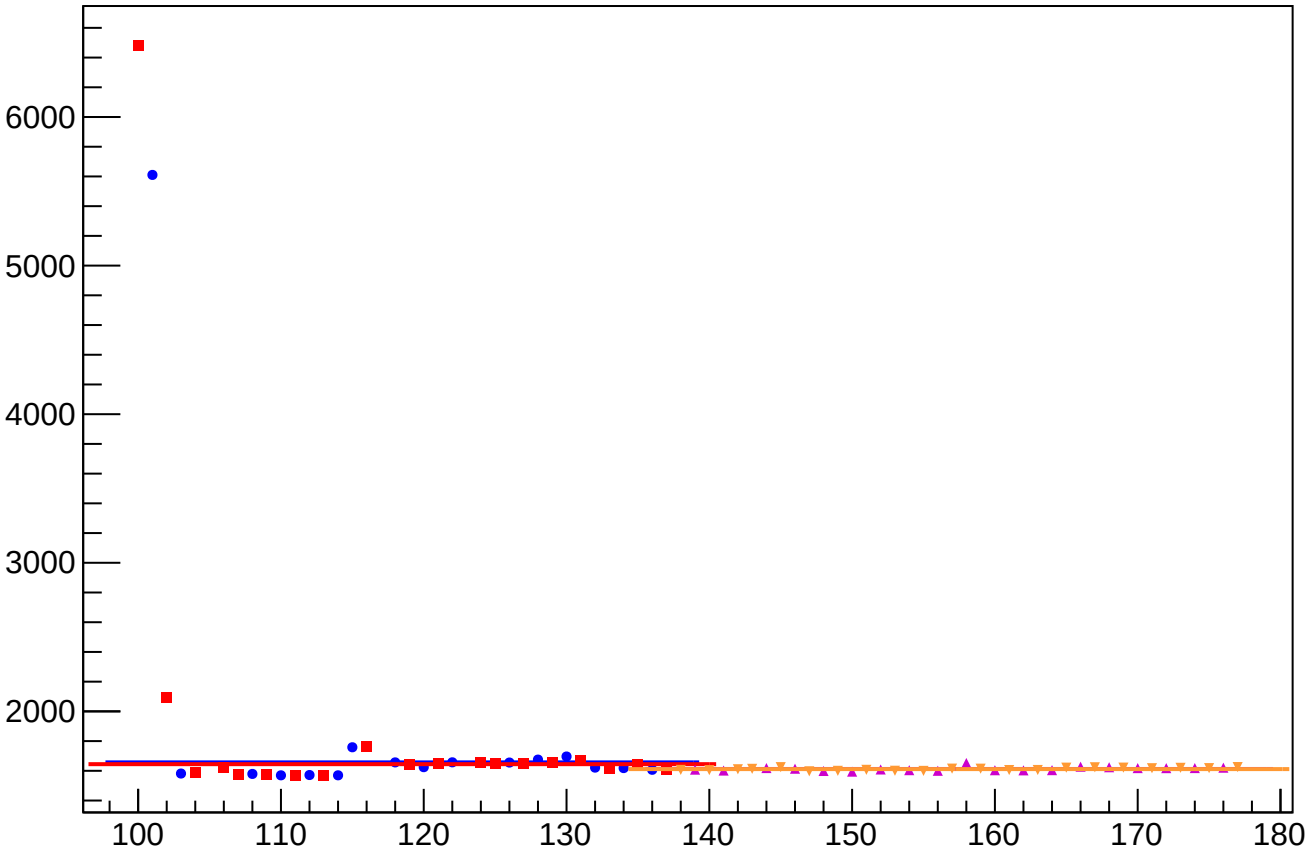
Left: 2276.955+/-283.962 χ^2/NDF: 51.9/39

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2390.466+/-343.082 χ^2/NDF:44.2/34

Out: 2231.655+/-331.242 χ^2/NDF:33.5/39

All: 2308.273+/-238.299 χ^2/NDF: 77.9/74



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1611.550+/-0.279 χ^2/NDF:1042.7/20

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1612.352+/-0.289 χ^2/NDF:2087.7/18

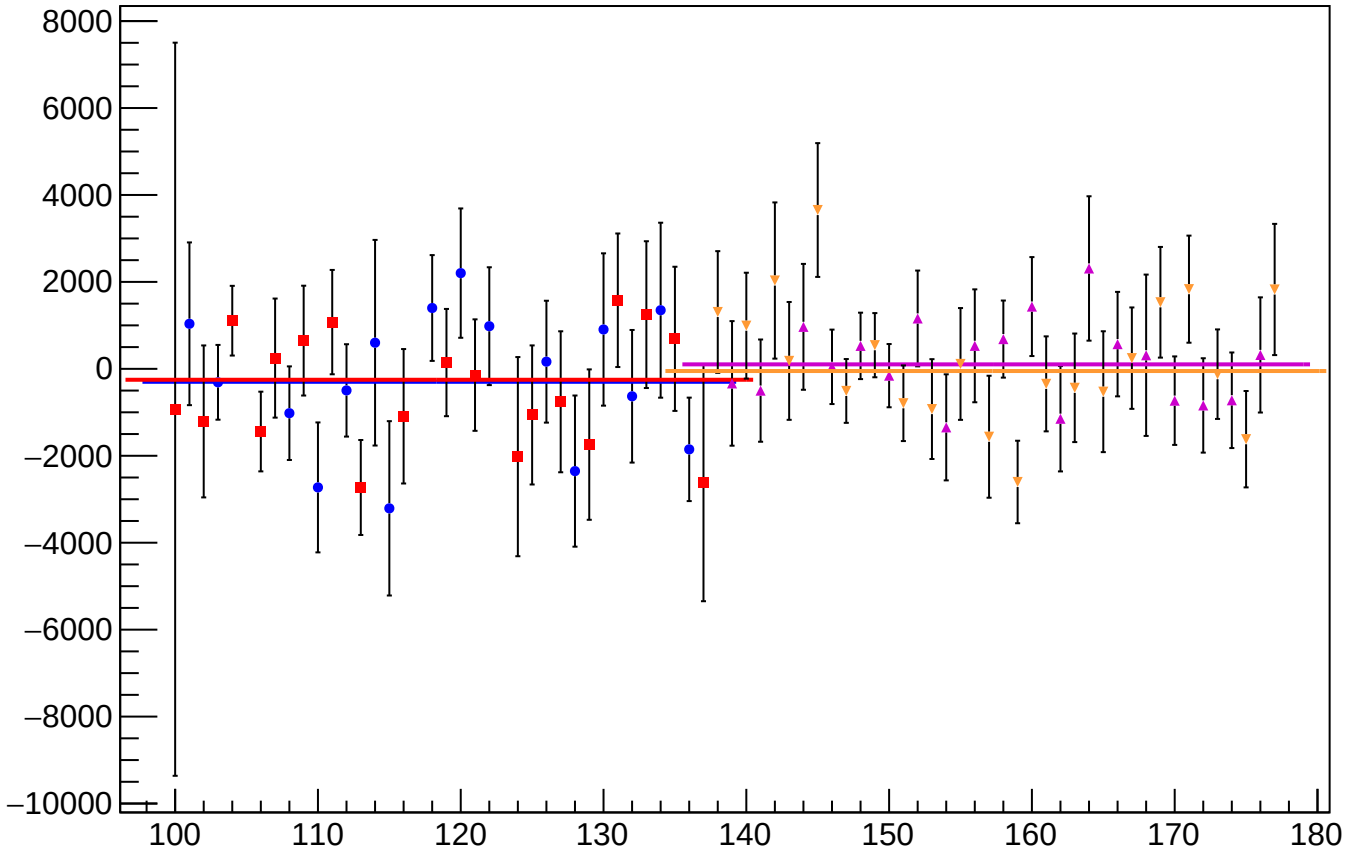
Left: 1611.936+/-0.201 χ^2/NDF: 3134.3/39

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1625.489+/-0.243 χ^2/NDF:675276.7/34

Out: 1621.346+/-0.234 χ^2/NDF:141701.7/39

All: 1623.344+/-0.169 χ^2/NDF: 817129.3/74



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -50.428+/-245.024 χ^2/NDF:27.4/20

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 103.028+/-249.818 χ^2/NDF:10.4/18

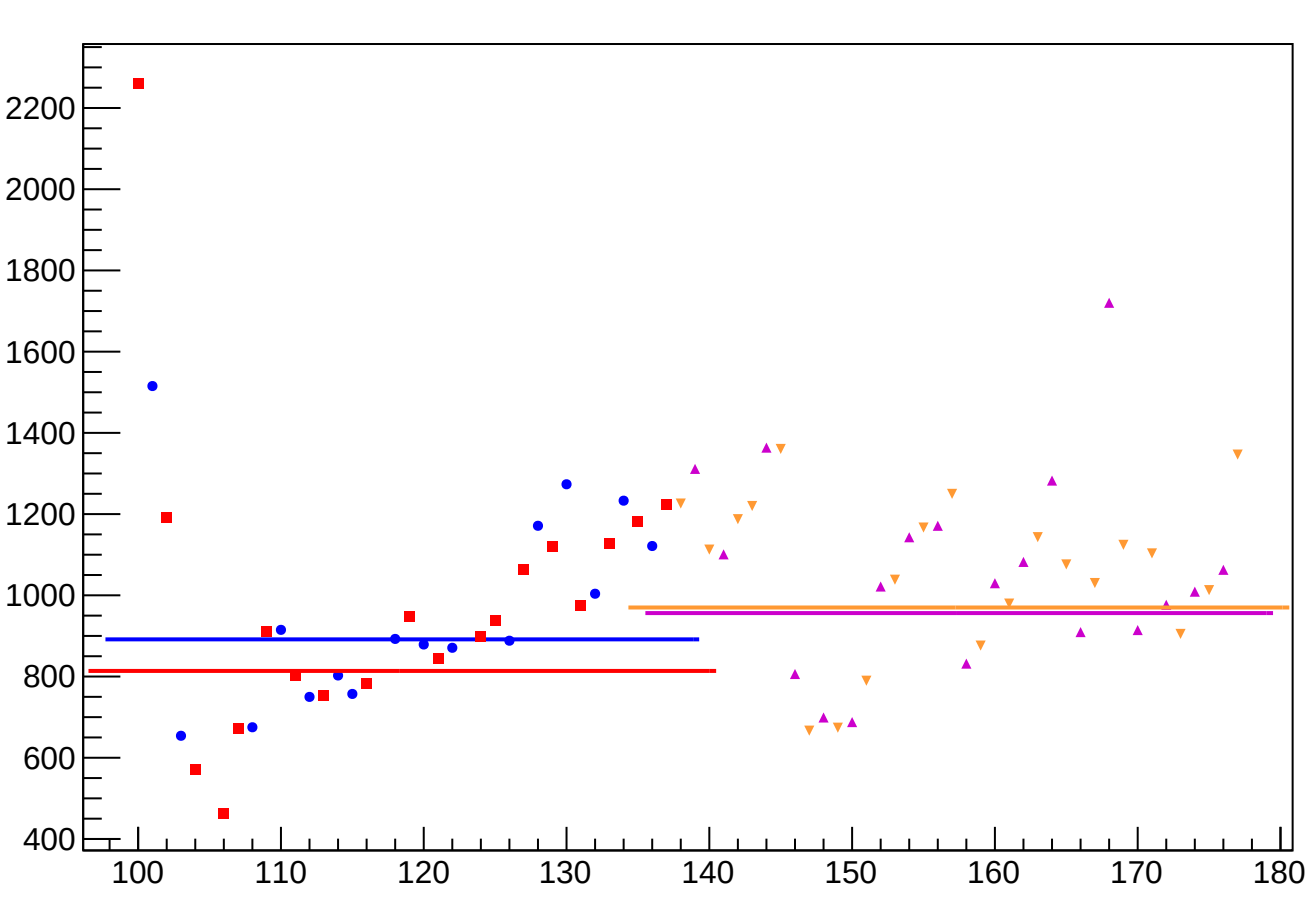
Left: 24.813+/-174.928 χ^2/NDF: 38.0/39

Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -35.692+/-202.015 χ^2/NDF:27.2/34

Out: -125.900+/-193.576 χ^2/NDF:44.9/39

All: -82.720+/-139.767 χ^2/NDF: 72.2/74



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 970.003+/-0.173 χ^2/NDF:1465940.0/20

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 956.244+/-0.177 χ^2/NDF:1490658.5/18

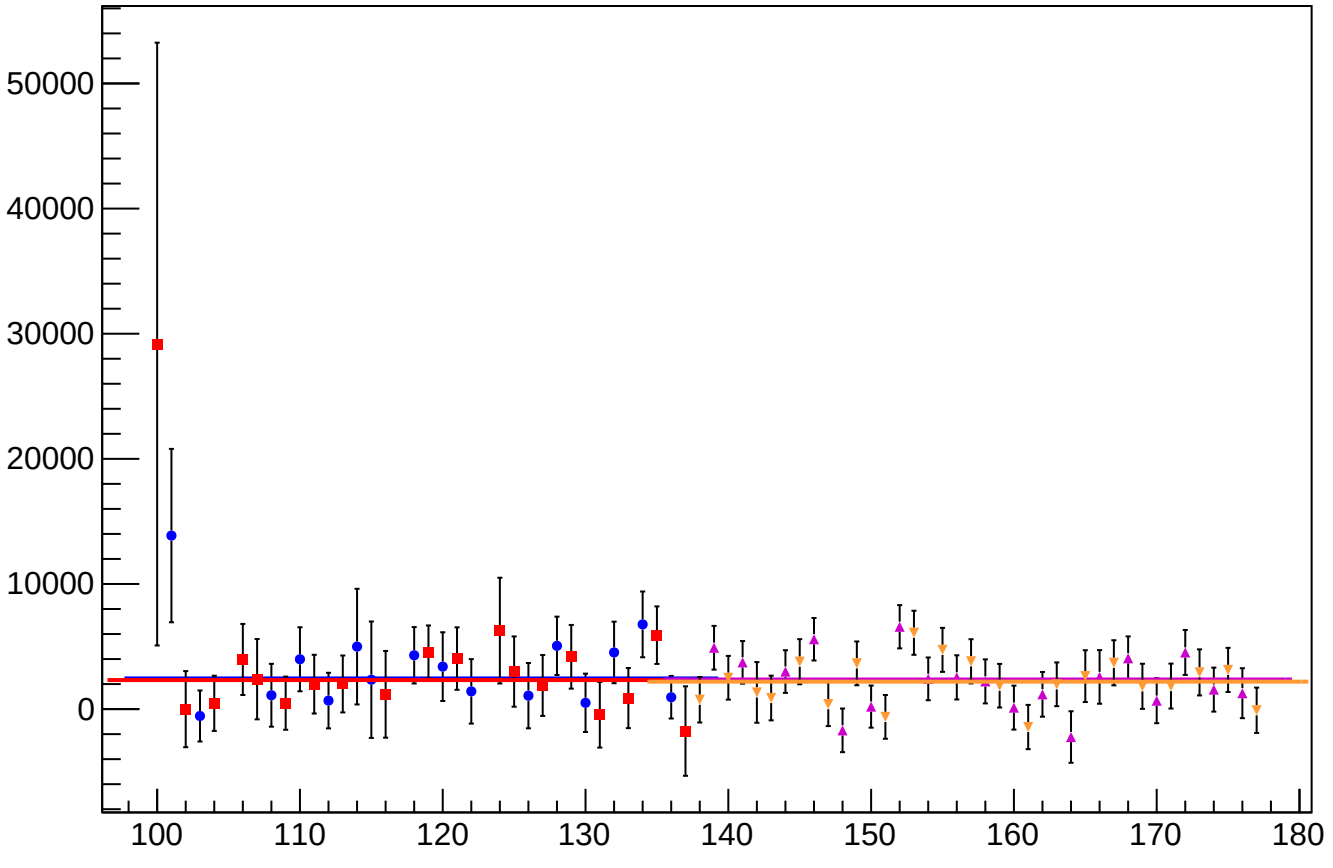
Left: 963.257+/-0.124 χ^2/NDF: 2959690.8/39

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 933.848+/-0.143 χ^2/NDF:2330759.7/34

Out: 911.297+/-0.137 χ^2/NDF:2824405.5/39

All: 922.092+/-0.099 χ^2/NDF: 5168158.7/74



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2194.412+/-394.561 χ^2/NDF:21.4/20

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 2365.647+/-408.993 χ^2/NDF:30.4/18

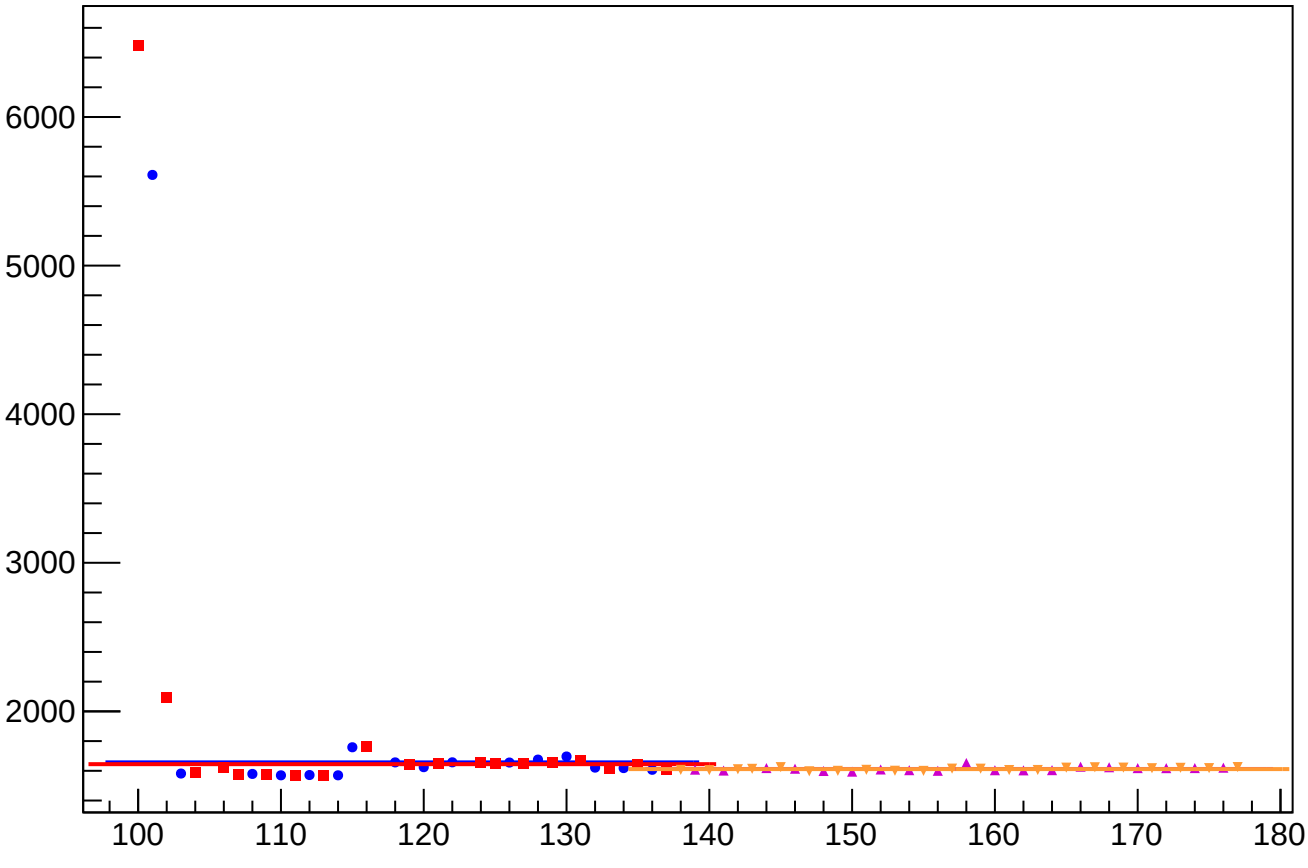
Left: 2276.955+/-283.962 χ^2/NDF: 51.9/39

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2390.466+/-343.082 χ^2/NDF:44.2/34

Out: 2231.655+/-331.242 χ^2/NDF:33.5/39

All: 2308.273+/-238.299 χ^2/NDF: 77.9/74



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1611.550+/-0.279 χ^2/NDF:1042.7/20

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1612.352+/-0.289 χ^2/NDF:2087.7/18

Left: 1611.936+/-0.201 χ^2/NDF: 3134.3/39

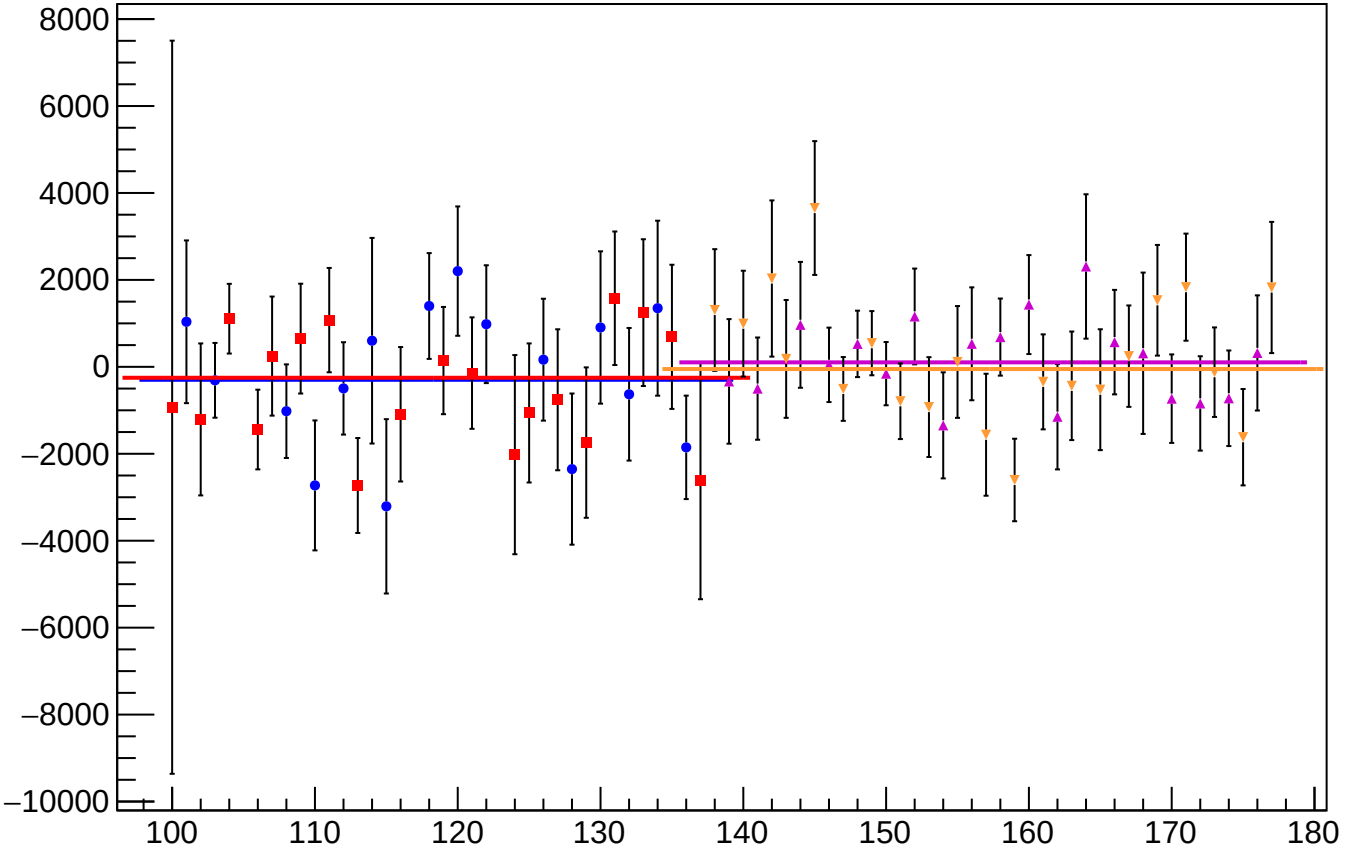
Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1625.489+/-0.243 χ^2/NDF:675276.7/34

Out: 1621.346+/-0.234 χ^2/NDF:141701.7/39

All: 1623.344+/-0.169 χ^2/NDF: 817129.3/74

asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -50.428+/-245.024 χ^2/NDF:27.4/20

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 103.028+/-249.818 χ^2/NDF:10.4/18

Left: 24.813+/-174.928 χ^2/NDF: 38.0/39

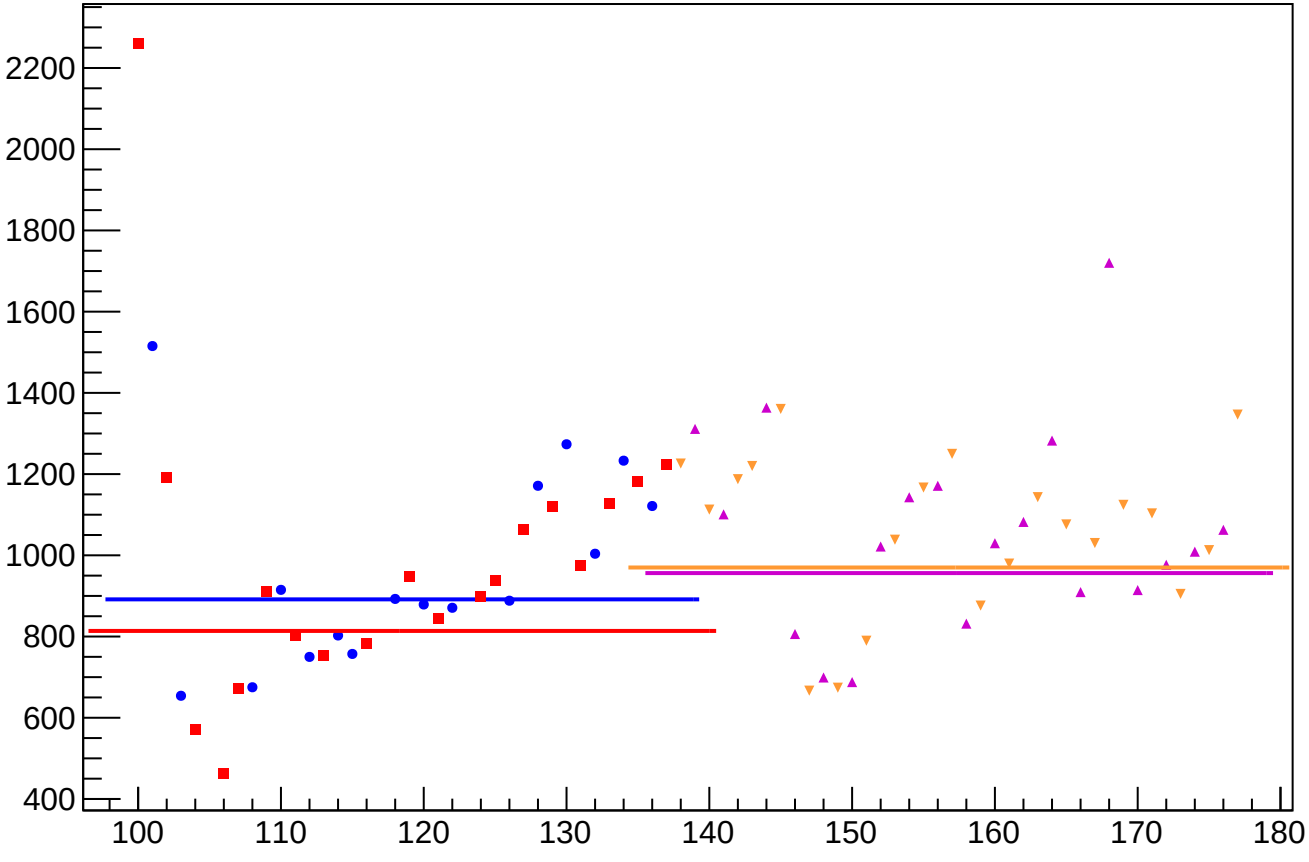
Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -35.692+/-202.015 χ^2/NDF:27.2/34

Out: -125.900+/-193.576 χ^2/NDF:44.9/39

All: -82.720+/-139.767 χ^2/NDF: 72.2/74

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: 970.003+/-0.173 χ^2/NDF:1465940.0/20

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 956.244+/-0.177 χ^2/NDF:1490658.5/18

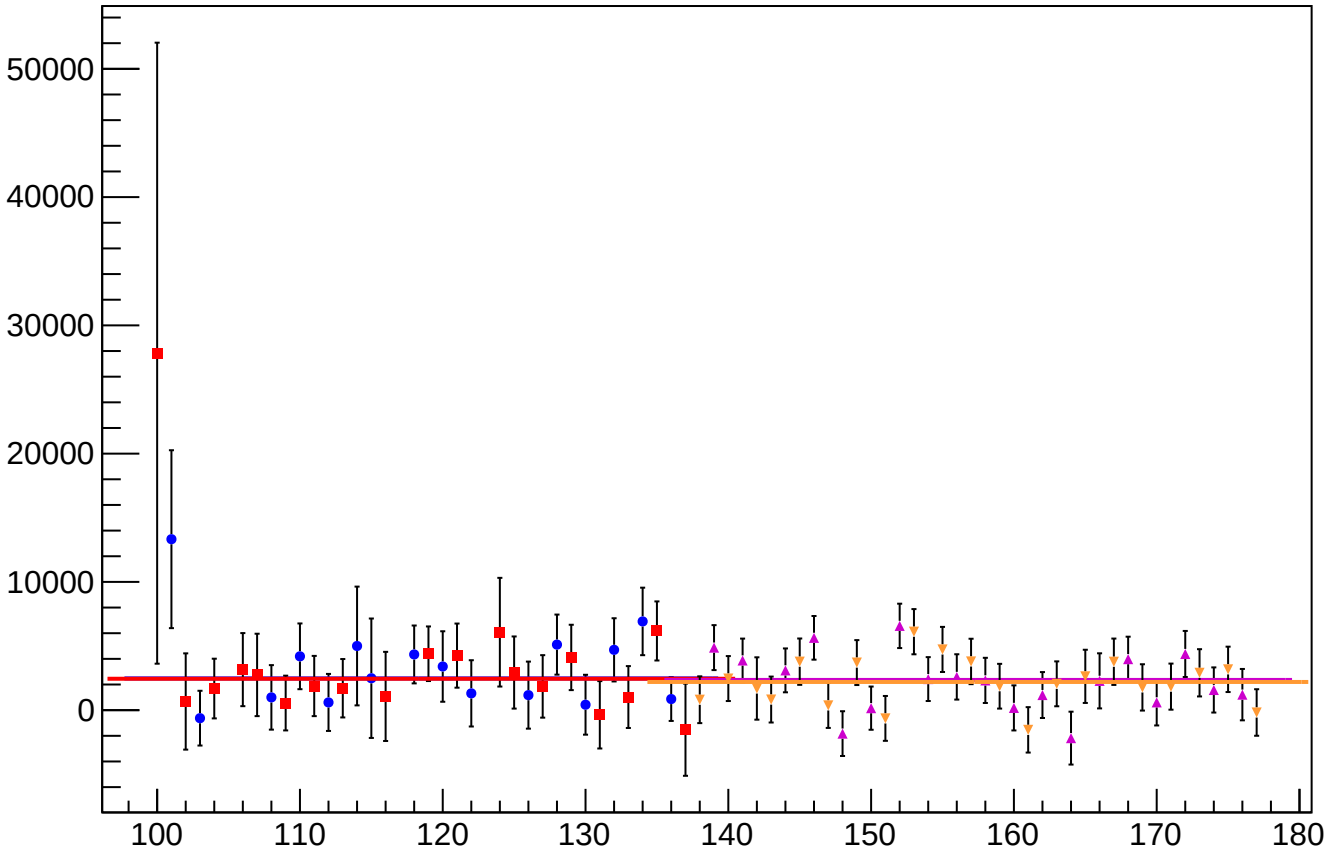
Left: 963.257+/-0.124 χ^2/NDF: 2959690.8/39

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 933.848+/-0.143 χ^2/NDF:2330759.7/34

Out: 911.297+/-0.137 χ^2/NDF:2824405.5/39

All: 922.092+/-0.099 χ^2/NDF: 5168158.7/74



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2198.696+/-395.185 χ^2/NDF:21.9/20

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 2356.869+/-409.539 χ^2/NDF:30.6/18

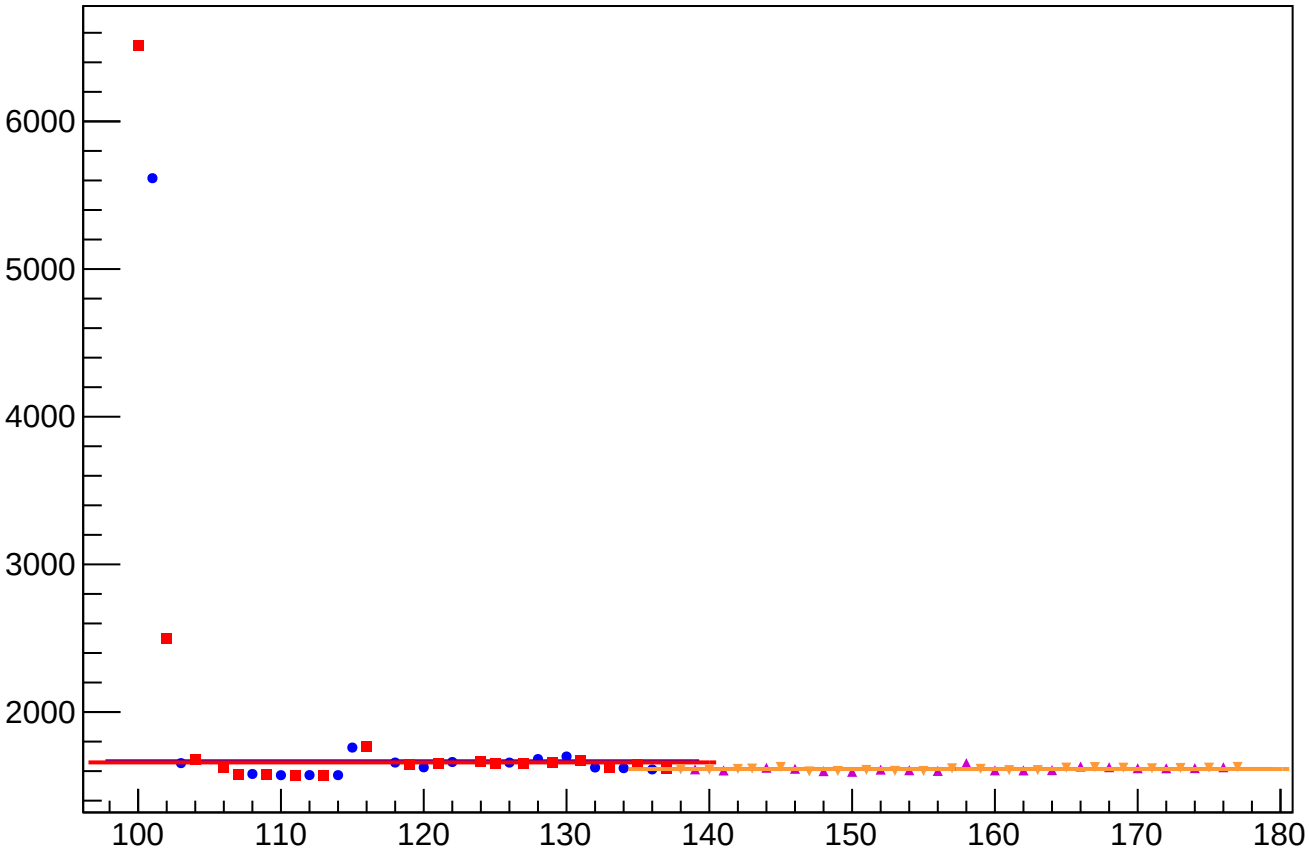
Left: 2274.962+/-284.377 χ^2/NDF: 52.6/39

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2391.726+/-343.987 χ^2/NDF:44.8/34

Out: 2271.435+/-332.862 χ^2/NDF:32.5/39

All: 2329.604+/-239.205 χ^2/NDF: 77.4/74



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1614.089+/-0.279 χ^2/NDF:1184.2/20

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

Left In: 1614.490+/-0.290 χ^2/NDF:2185.1/18

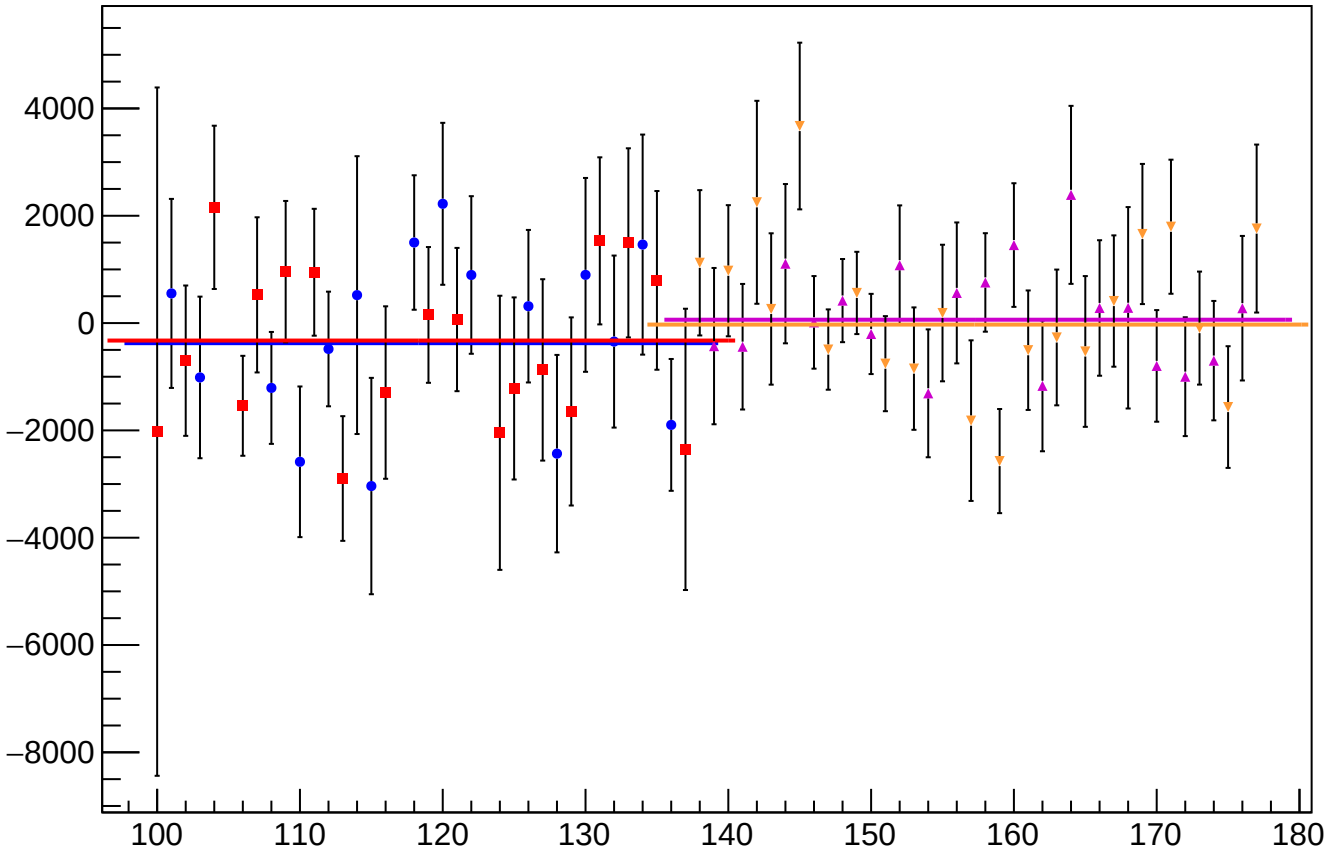
Left: 1614.283+/-0.201 χ^2/NDF: 3370.3/39

Right: 1662.606+/-0.313 χ^2/NDF: 856277.9/34

In: 1629.778+/-0.243 χ^2/NDF:674562.4/34

Out: 1627.139+/-0.235 χ^2/NDF:201914.2/39

All: 1628.415+/-0.169 χ^2/NDF: 876537.4/74



Right In: -374.592+/-367.944 χ^2/NDF: 15.7/15

Left Out: -28.044+/-250.112 χ^2/NDF:26.5/20

Right Out: -325.671+/-340.620 χ^2/NDF: 17.4/18

Left In: 62.572+/-253.774 χ^2/NDF:10.6/18

Left: 16.605+/-178.136 χ^2/NDF: 37.2/39

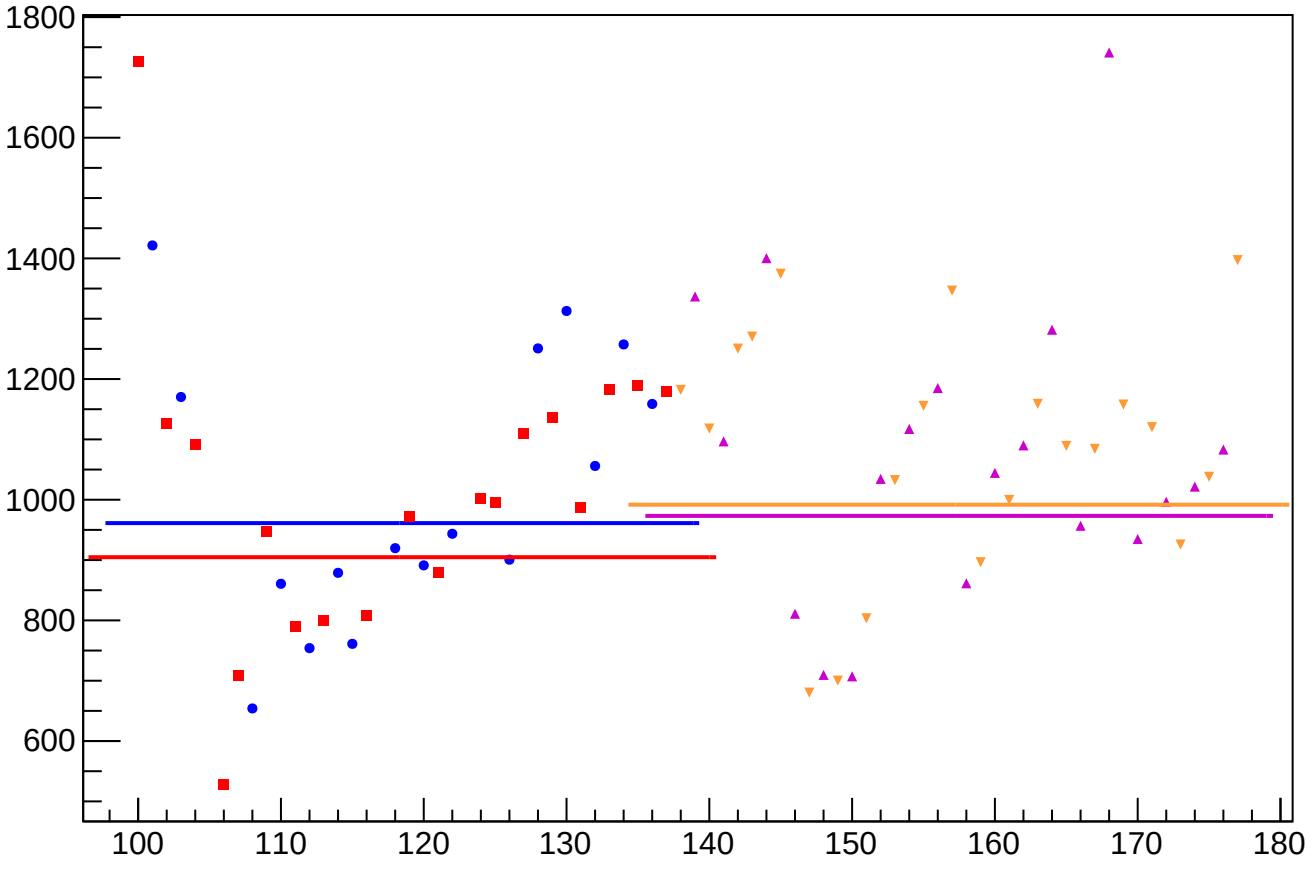
Right: -348.248+/-249.957 χ^2/NDF: 33.1/34

In: -78.349+/-208.905 χ^2/NDF:27.3/34

Out: -132.303+/-201.600 χ^2/NDF:44.4/39

All: -106.286+/-145.066 χ^2/NDF: 71.7/74

asym_usr_atr1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 991.762+/-0.177 χ^2/NDF:1445918.9/20

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

Left In: 973.206+/-0.179 χ^2/NDF:1435957.9/18

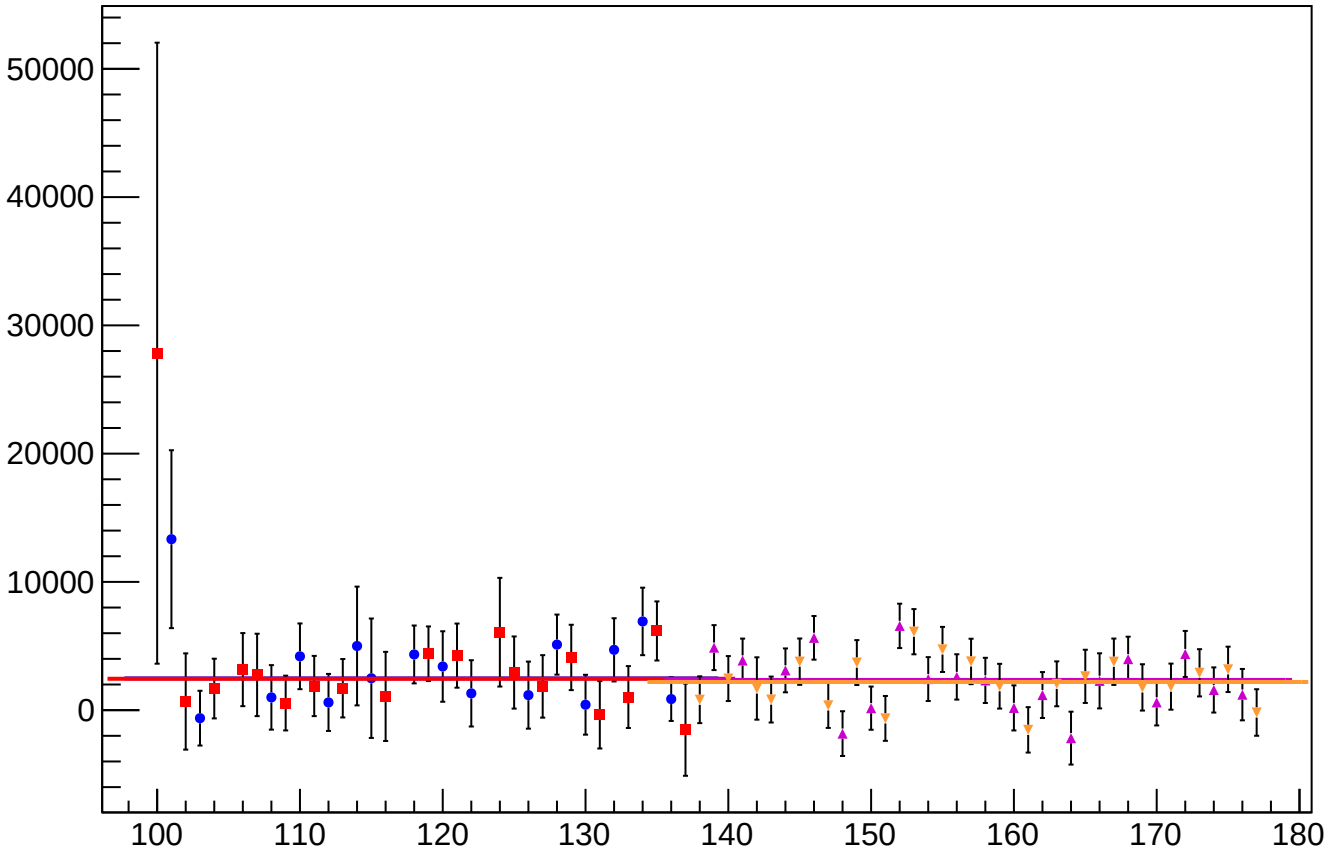
Left: 982.619+/-0.126 χ^2/NDF: 2887300.9/39

Right: 930.814+/-0.177 χ^2/NDF: 1453761.0/34

In: 969.350+/-0.148 χ^2/NDF:2129266.1/34

Out: 961.277+/-0.143 χ^2/NDF:2267223.1/39

All: 965.170+/-0.103 χ^2/NDF: 4398035.7/74



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2198.696+/-395.185 χ^2/NDF:21.9/20

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 2356.869+/-409.539 χ^2/NDF:30.6/18

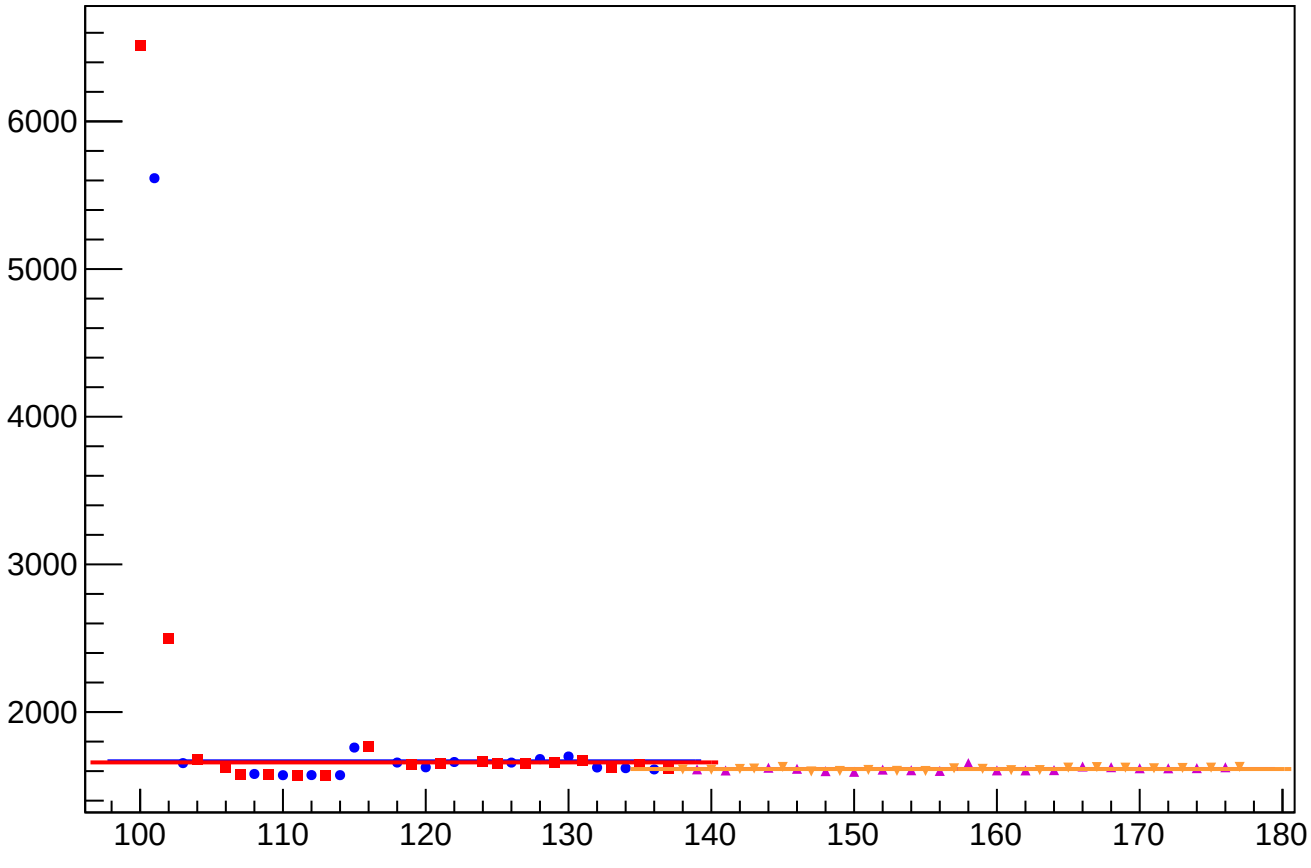
Left: 2274.962+/-284.377 χ^2/NDF: 52.6/39

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2391.726+/-343.987 χ^2/NDF:44.8/34

Out: 2271.435+/-332.862 χ^2/NDF:32.5/39

All: 2329.604+/-239.205 χ^2/NDF: 77.4/74



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1614.089+/-0.279 χ^2/NDF:1184.2/20

Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1614.490+/-0.290 χ^2/NDF:2185.1/18

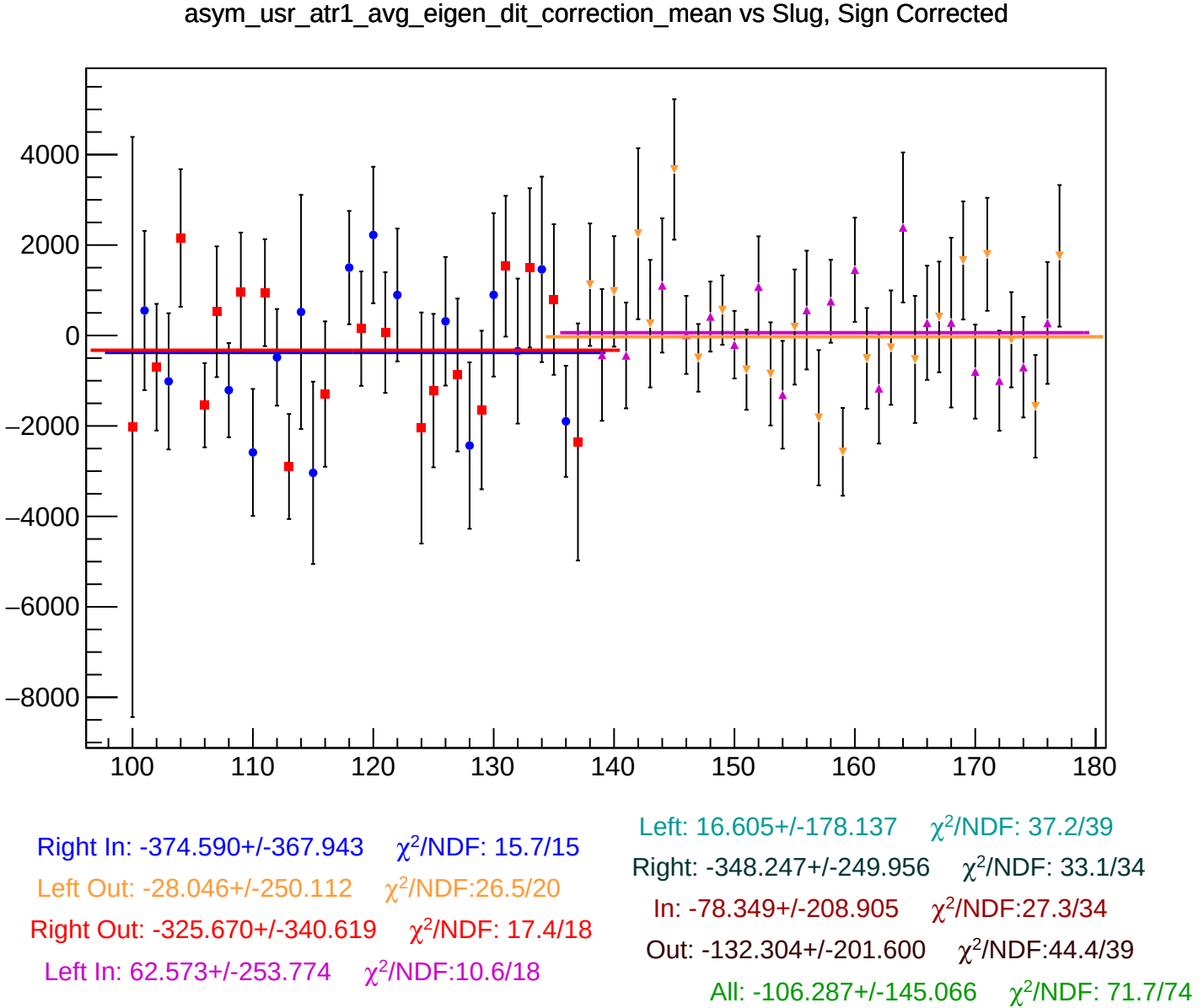
Left: 1614.283+/-0.201 χ^2/NDF: 3370.3/39

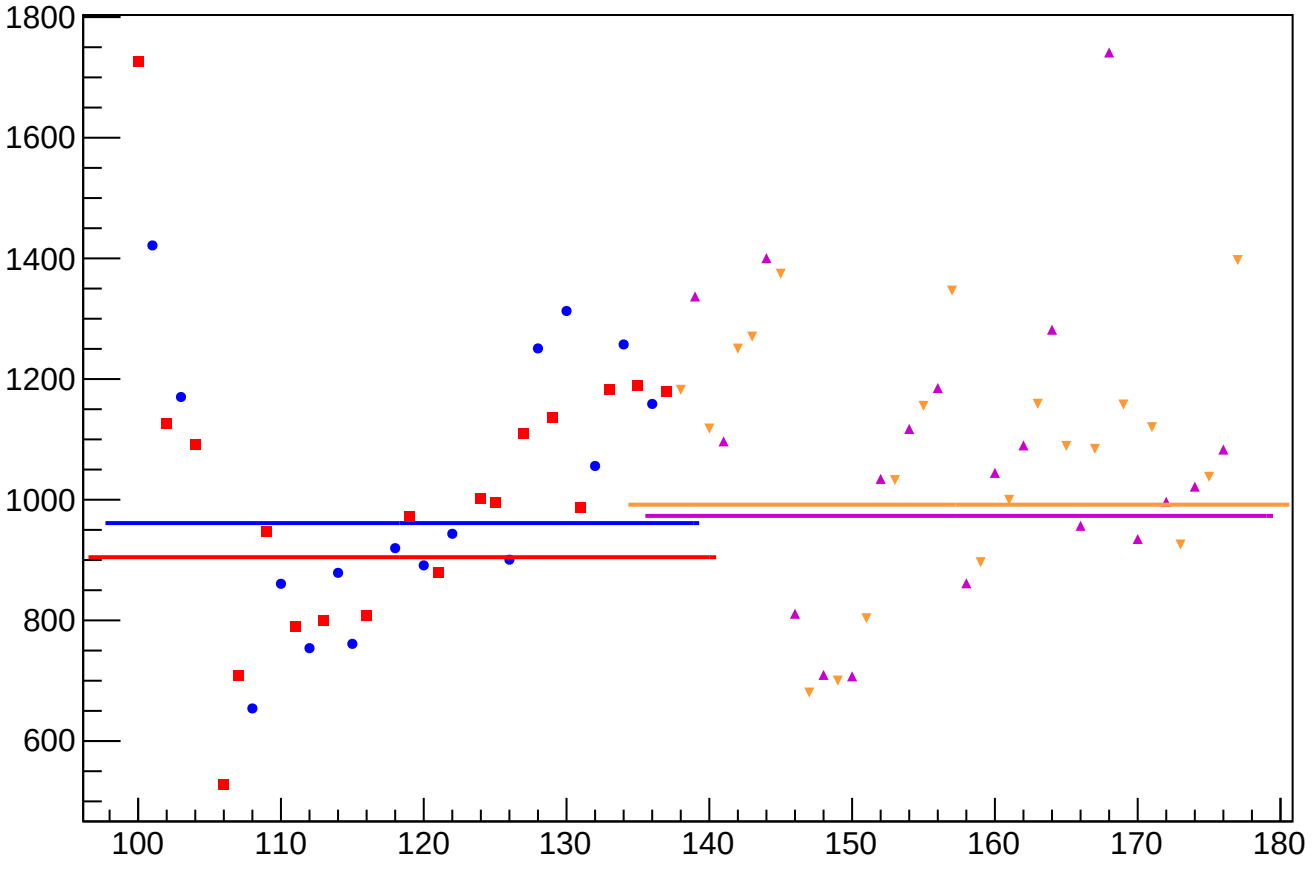
Right: 1662.606+/-0.313 χ^2/NDF: 856277.7/34

In: 1629.778+/-0.243 χ^2/NDF:674562.4/34

Out: 1627.139+/-0.235 χ^2/NDF:201914.0/39

All: 1628.415+/-0.169 χ^2/NDF: 876537.2/74


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: -28.046+/-250.112 χ²/NDF:26.5/20
Right Out: -325.670+/-340.619 χ²/NDF: 17.4/18
Left In: 62.573+/-253.774 χ²/NDF:10.6/18
Left: 16.605+/-178.137 χ²/NDF: 37.2/39
Right: -348.247+/-249.956 χ²/NDF: 33.1/34
In: -78.349+/-208.905 χ²/NDF:27.3/34
Out: -132.304+/-201.600 χ²/NDF:44.4/39
All: -106.287+/-145.066 χ²/NDF: 71.7/74



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 991.764+/-0.177 χ^2/NDF:1445921.6/20

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

Left In: 973.208+/-0.179 χ^2/NDF:1435961.2/18

Left: 982.621+/-0.126 χ^2/NDF: 2887307.0/39

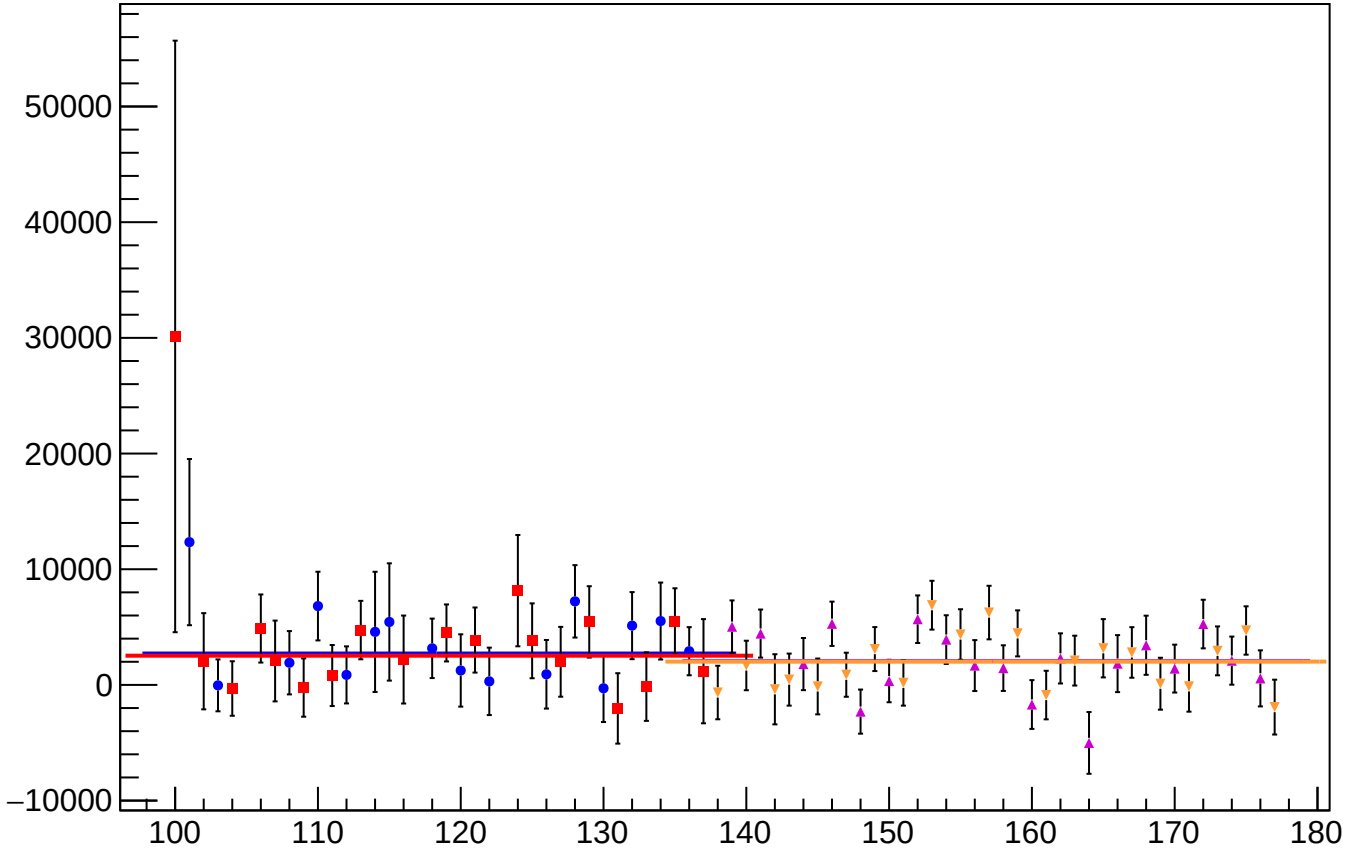
Right: 930.811+/-0.177 χ^2/NDF: 1453765.4/34

In: 969.350+/-0.148 χ^2/NDF:2129278.9/34

Out: 961.277+/-0.143 χ^2/NDF:2267232.3/39

All: 965.170+/-0.103 χ^2/NDF: 4398057.6/74

asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 2015.739+/-475.892 χ^2/NDF:24.7/20

Right Out: 2525.536+/-706.449 χ^2/NDF: 13.2/18

Left In: 2058.873+/-490.813 χ^2/NDF:29.3/18

Left: 2036.640+/-341.660 χ^2/NDF: 54.0/39

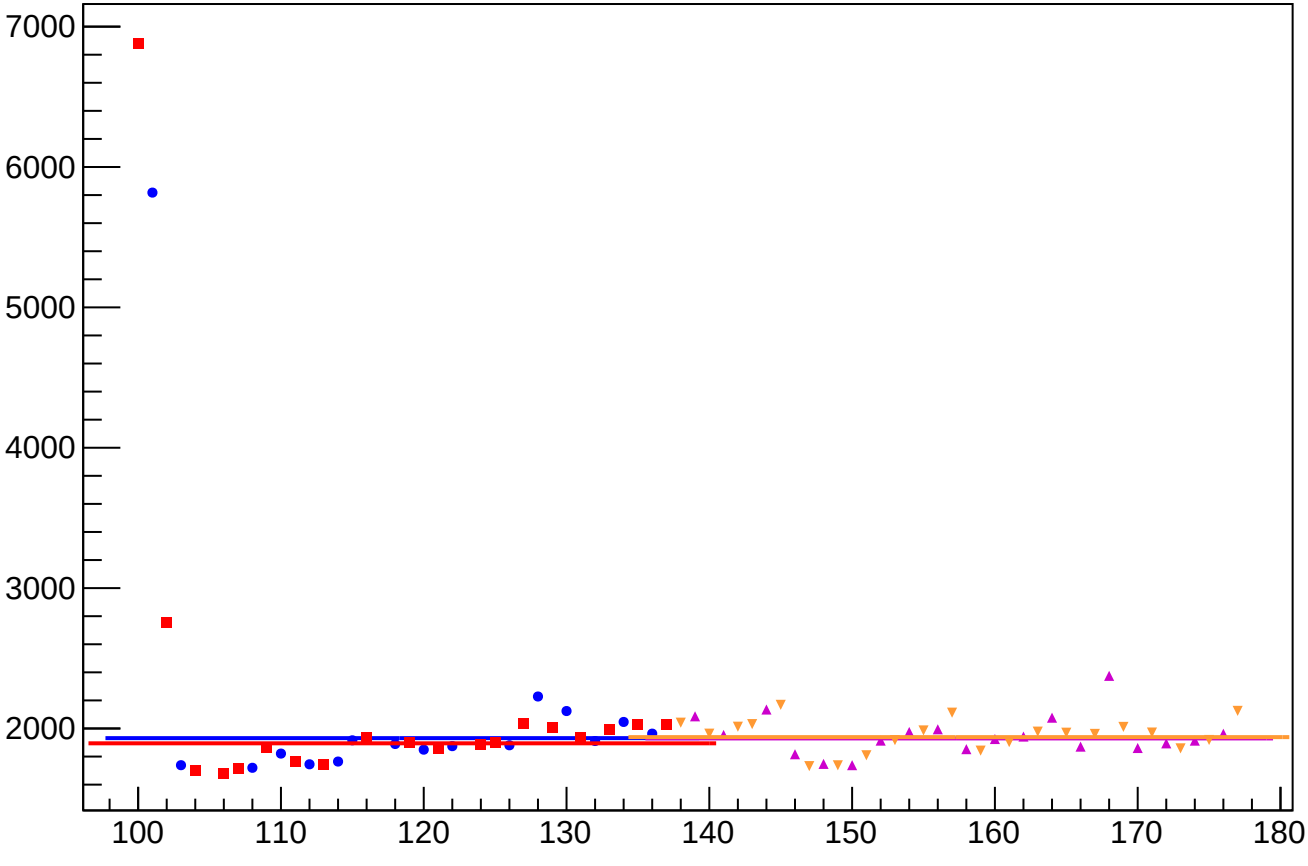
Right: 2614.774+/-509.359 χ^2/NDF: 25.4/34

In: 2260.076+/-408.188 χ^2/NDF:42.0/34

Out: 2174.869+/-394.691 χ^2/NDF:38.3/39

All: 2216.041+/-283.740 χ^2/NDF: 80.3/74

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1938.423+/-0.337 χ^2/NDF:118493.8/20

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

Left In: 1929.160+/-0.347 χ^2/NDF:150409.0/18

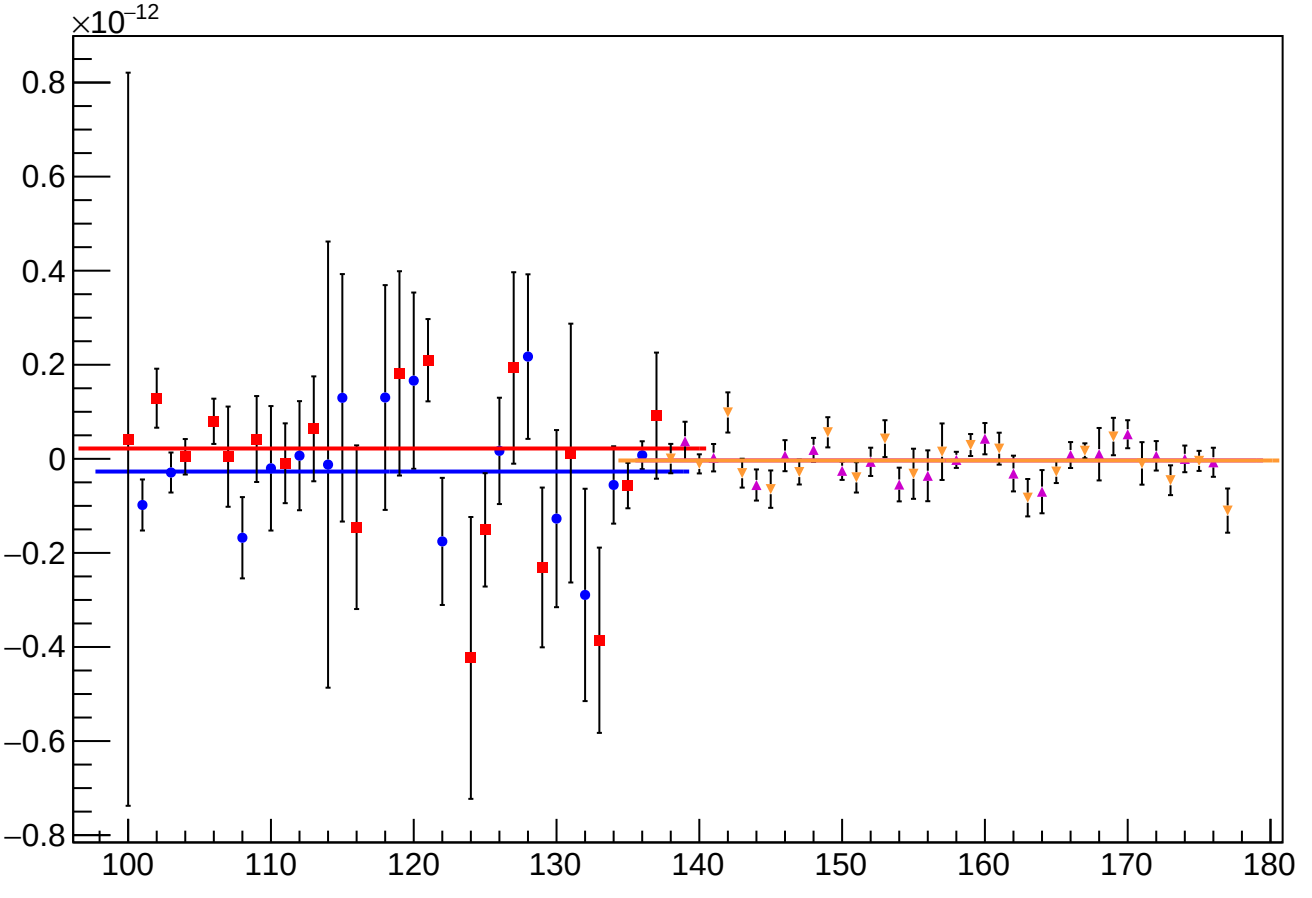
Left: 1933.934+/-0.242 χ^2/NDF: 269269.9/39

Right: 1912.067+/-0.360 χ^2/NDF: 884388.3/34

In: 1929.804+/-0.289 χ^2/NDF:811647.2/34

Out: 1924.665+/-0.279 χ^2/NDF:344389.5/39

All: 1927.148+/-0.201 χ^2/NDF: 1156200.6/74



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:34.0/20

Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: -0.000+/-0.000 χ^2/NDF:16.5/18

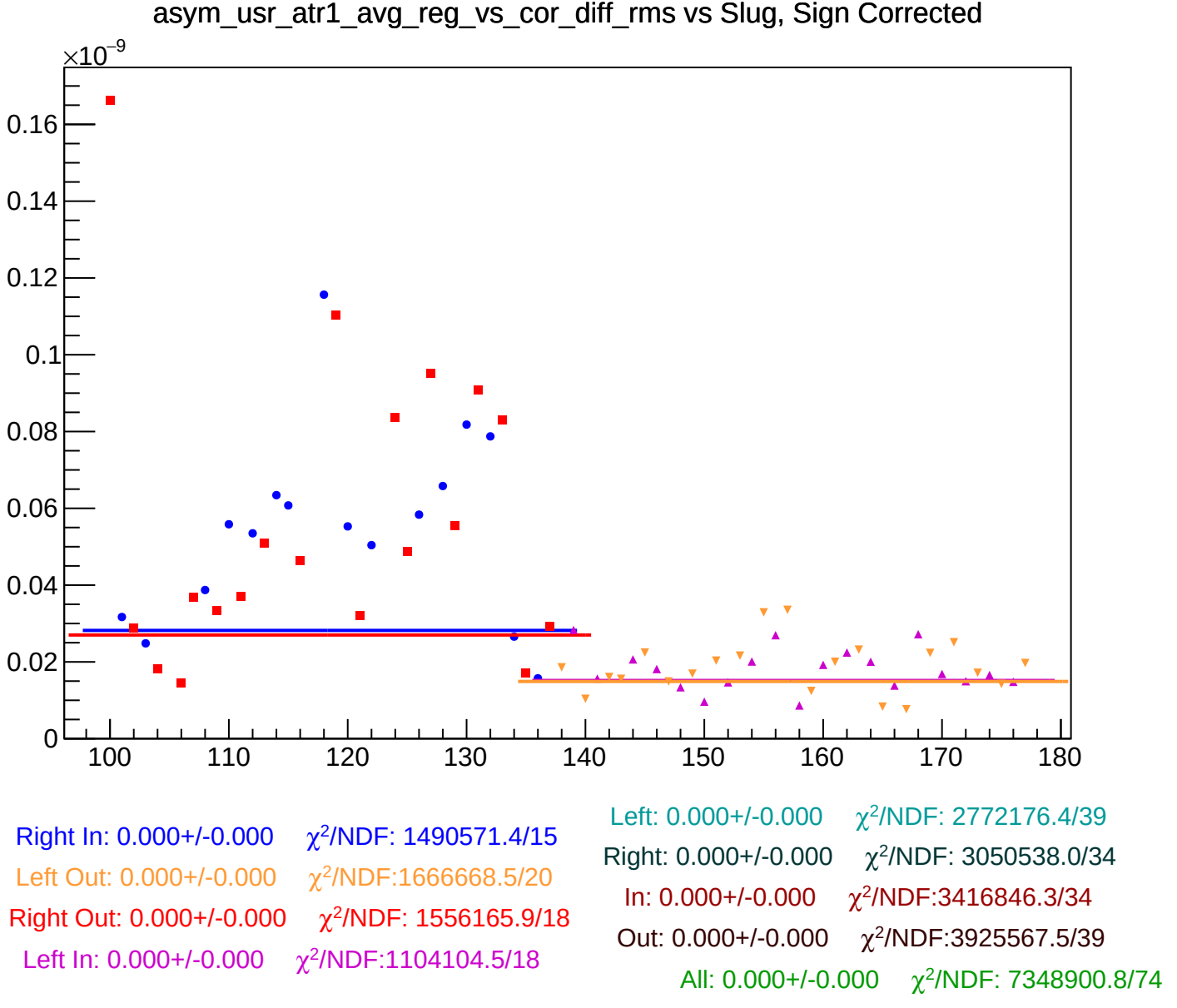
Left: -0.000+/-0.000 χ^2/NDF: 50.5/39

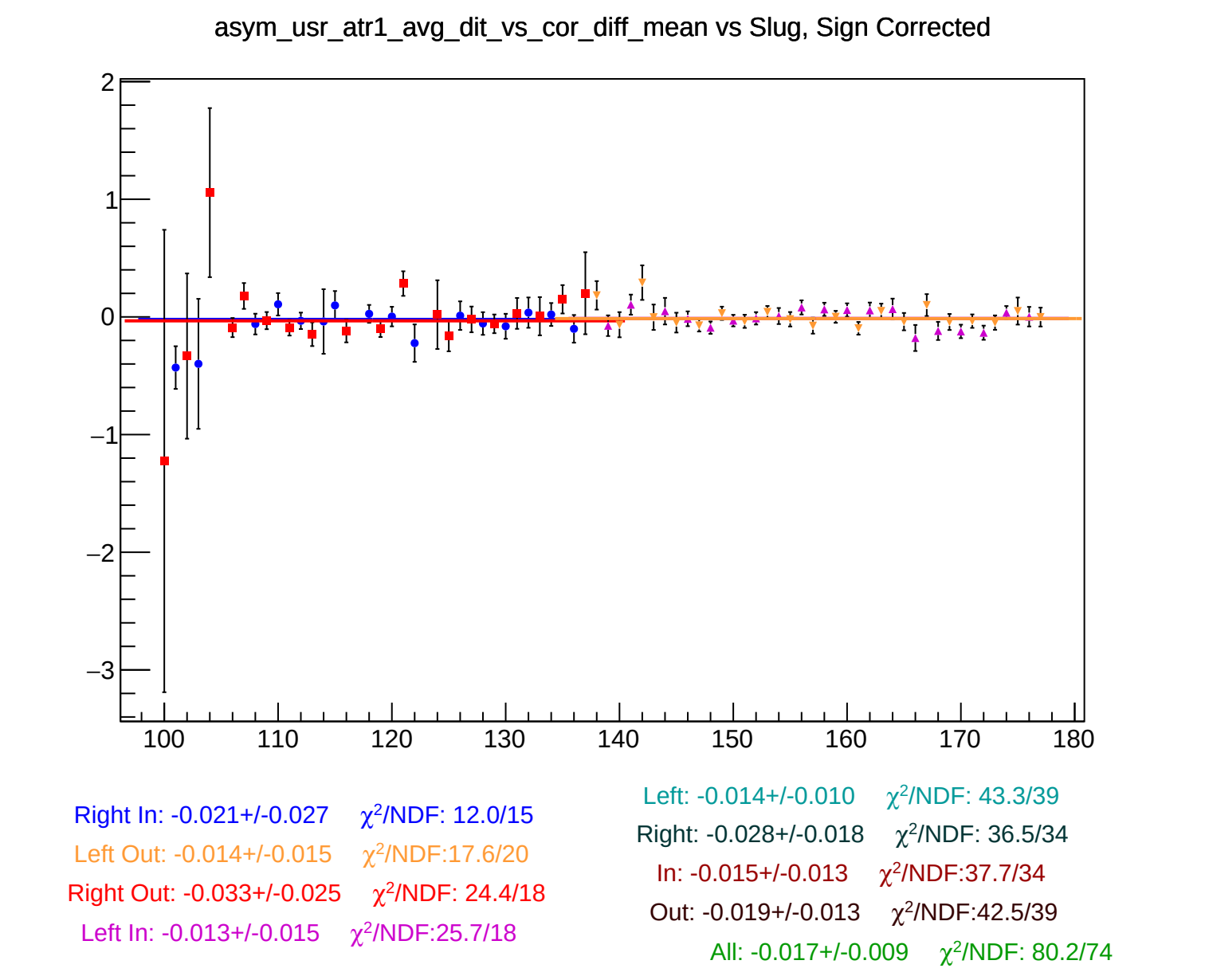
Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

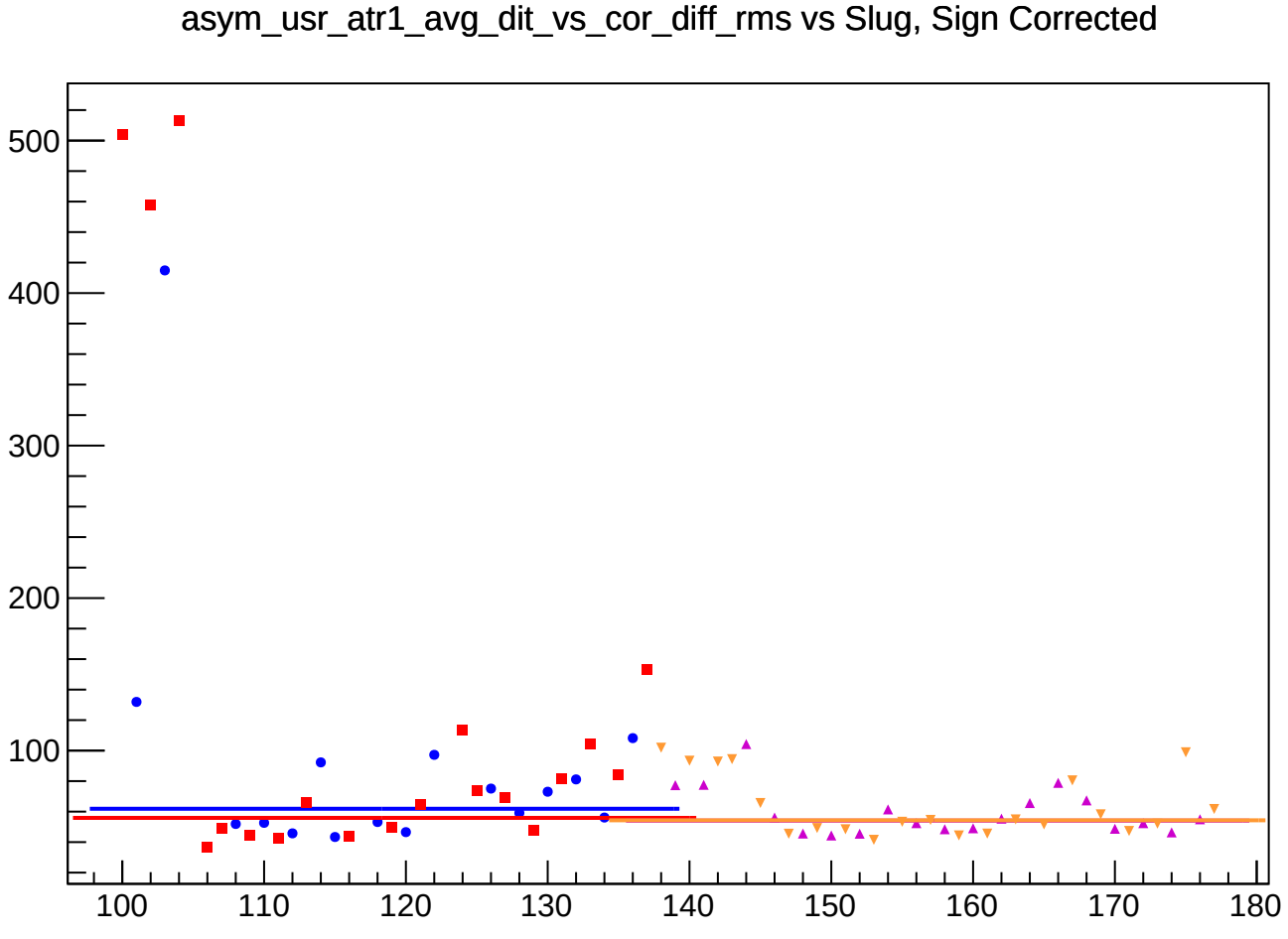
In: -0.000+/-0.000 χ^2/NDF:30.6/34

Out: -0.000+/-0.000 χ^2/NDF:61.0/39

All: -0.000+/-0.000 χ^2/NDF: 91.9/74


asym_usr_atr1_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1490571.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1666668.5/20
Right Out: 0.000+/-0.000 χ²/NDF: 1556165.9/18
Left In: 0.000+/-0.000 χ²/NDF:1104104.5/18
Left: 0.000+/-0.000 χ²/NDF: 2772176.4/39
Right: 0.000+/-0.000 χ²/NDF: 3050538.0/34
In: 0.000+/-0.000 χ²/NDF:3416846.3/34
Out: 0.000+/-0.000 χ²/NDF:3925567.5/39
All: 0.000+/-0.000 χ²/NDF: 7348900.8/74


asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
Right In: -0.021+/-0.027 χ²/NDF: 12.0/15
Left Out: -0.014+/-0.015 χ²/NDF:17.6/20
Right Out: -0.033+/-0.025 χ²/NDF: 24.4/18
Left In: -0.013+/-0.015 χ²/NDF:25.7/18
Left: -0.014+/-0.010 χ²/NDF: 43.3/39
Right: -0.028+/-0.018 χ²/NDF: 36.5/34
In: -0.015+/-0.013 χ²/NDF:37.7/34
Out: -0.019+/-0.013 χ²/NDF:42.5/39
All: -0.017+/-0.009 χ²/NDF: 80.2/74



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 54.310+/-0.010 χ^2/NDF:1897850.5/20

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 54.077+/-0.011 χ^2/NDF:1182180.8/18

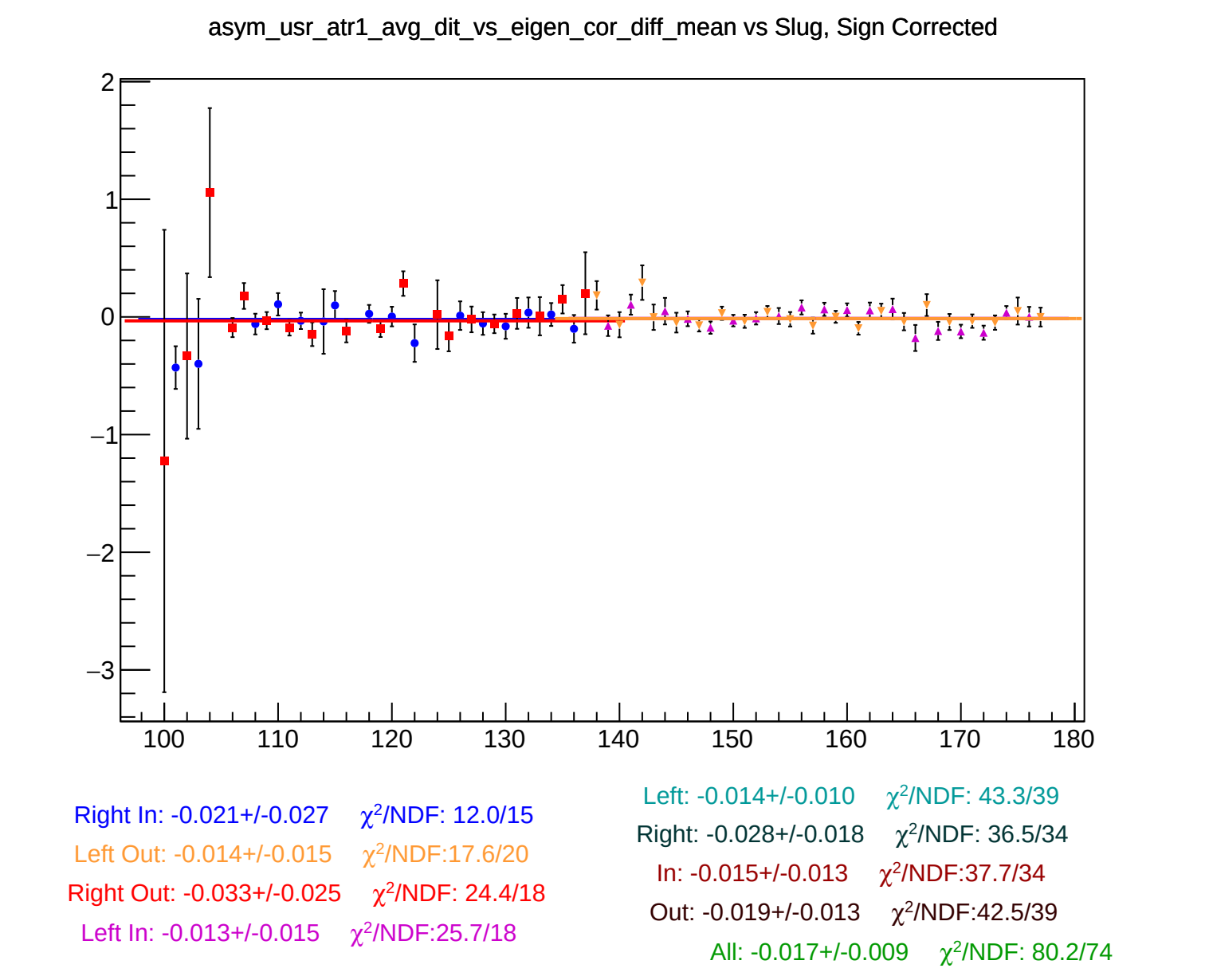
Left: 54.195+/-0.007 χ^2/NDF: 3080278.8/39

Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

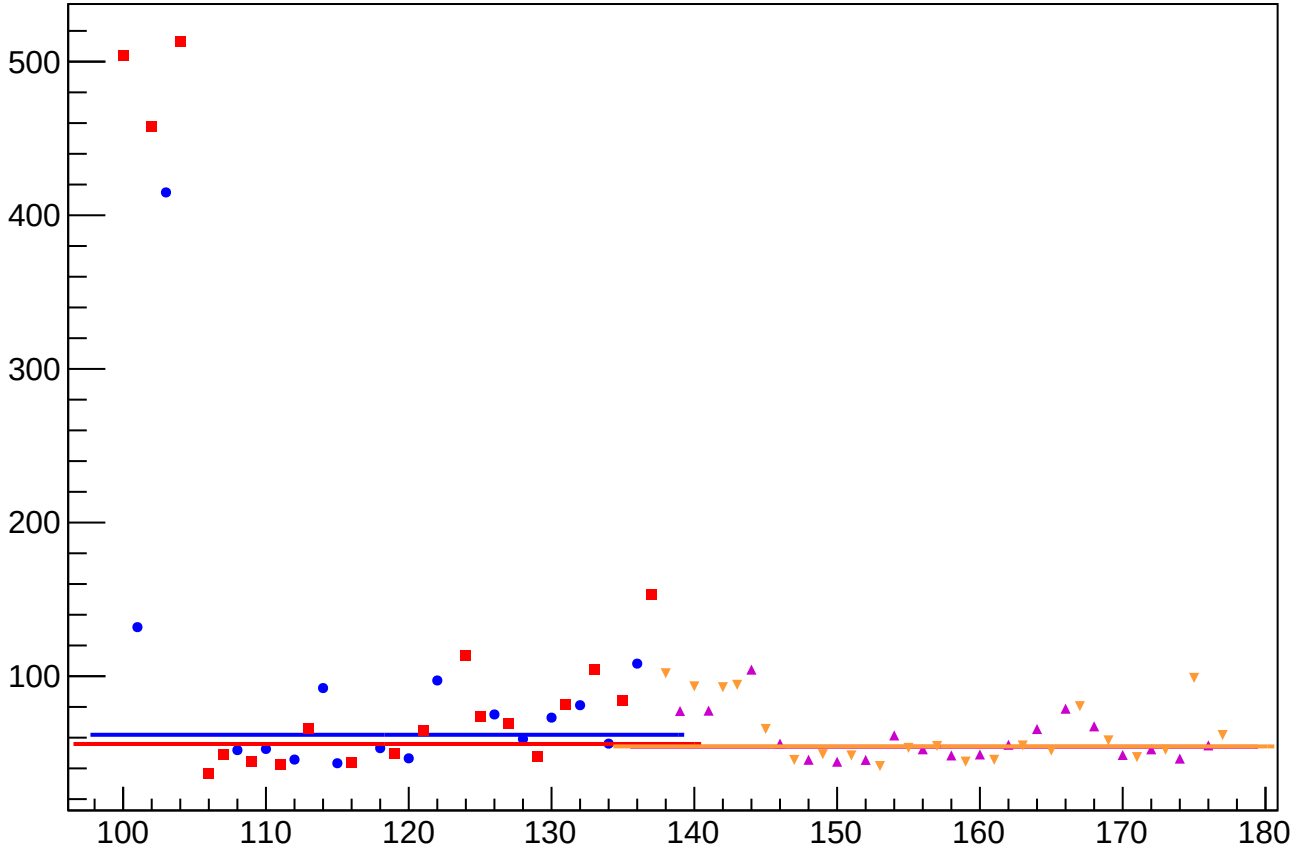
In: 55.947+/-0.009 χ^2/NDF:3251253.9/34

Out: 54.726+/-0.009 χ^2/NDF:4495182.8/39

All: 55.319+/-0.006 χ^2/NDF: 7755510.5/74


asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
Right In: -0.021+/-0.027 χ²/NDF: 12.0/15
Left Out: -0.014+/-0.015 χ²/NDF:17.6/20
Right Out: -0.033+/-0.025 χ²/NDF: 24.4/18
Left In: -0.013+/-0.015 χ²/NDF:25.7/18
Left: -0.014+/-0.010 χ²/NDF: 43.3/39
Right: -0.028+/-0.018 χ²/NDF: 36.5/34
In: -0.015+/-0.013 χ²/NDF:37.7/34
Out: -0.019+/-0.013 χ²/NDF:42.5/39
All: -0.017+/-0.009 χ²/NDF: 80.2/74

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 54.310+/-0.010 χ^2/NDF:1897850.5/20

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 54.077+/-0.011 χ^2/NDF:1182180.8/18

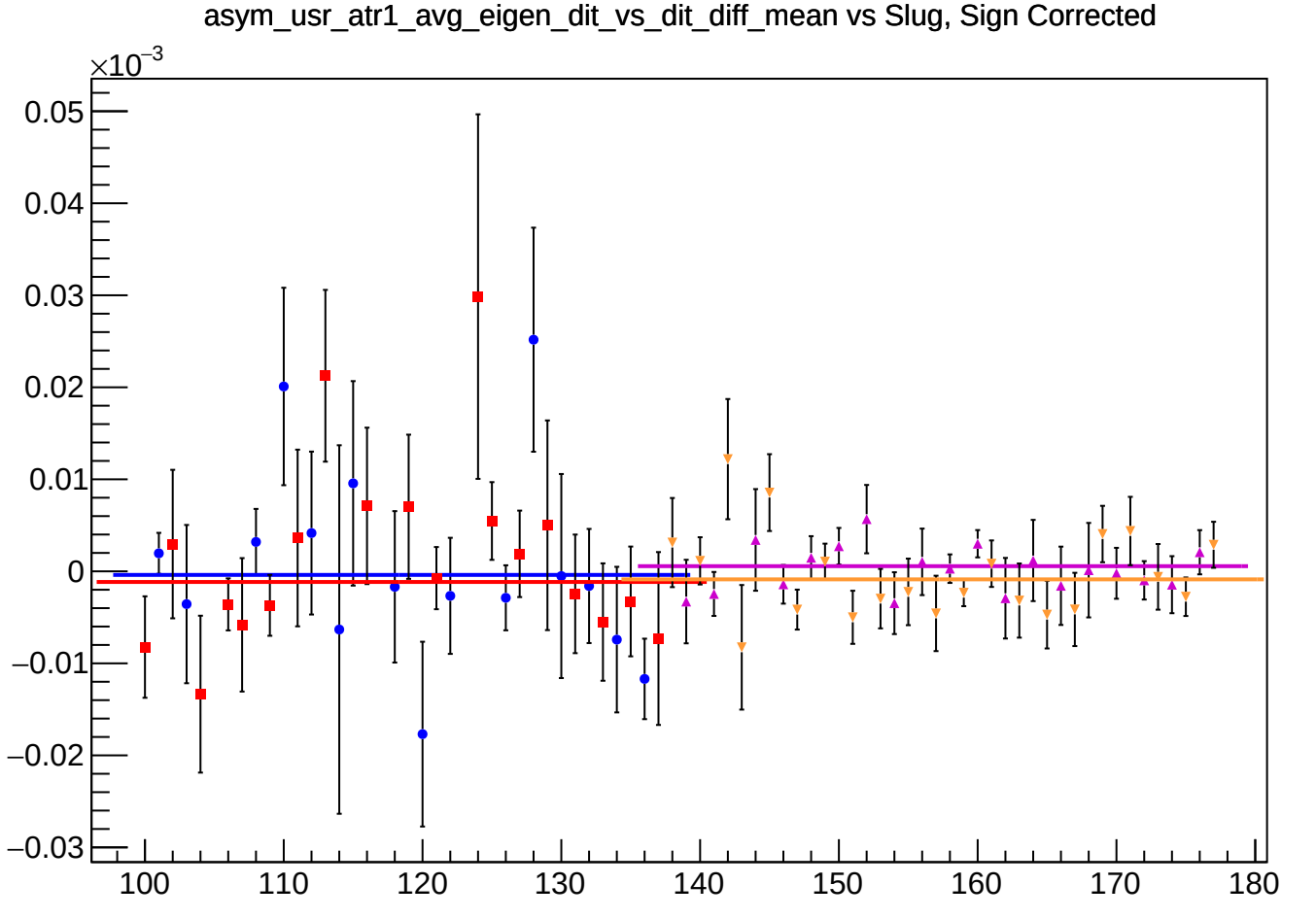
Left: 54.195+/-0.007 χ^2/NDF: 3080278.8/39

Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 55.947+/-0.009 χ^2/NDF:3251253.9/34

Out: 54.726+/-0.009 χ^2/NDF:4495182.8/39

All: 55.319+/-0.006 χ^2/NDF: 7755510.5/74



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/20

Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:13.2/18

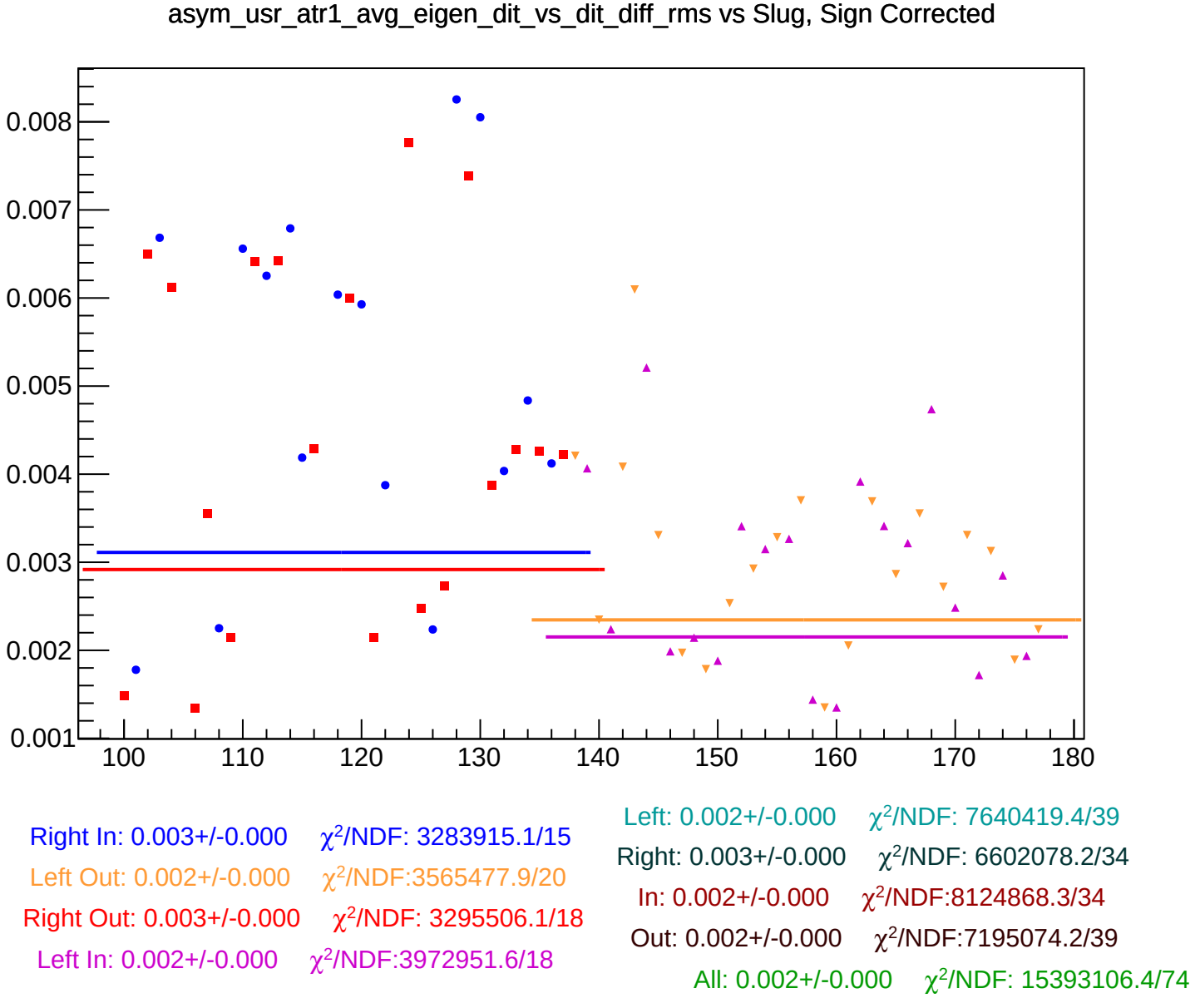
Left: -0.000+/-0.000 χ^2/NDF: 45.5/39

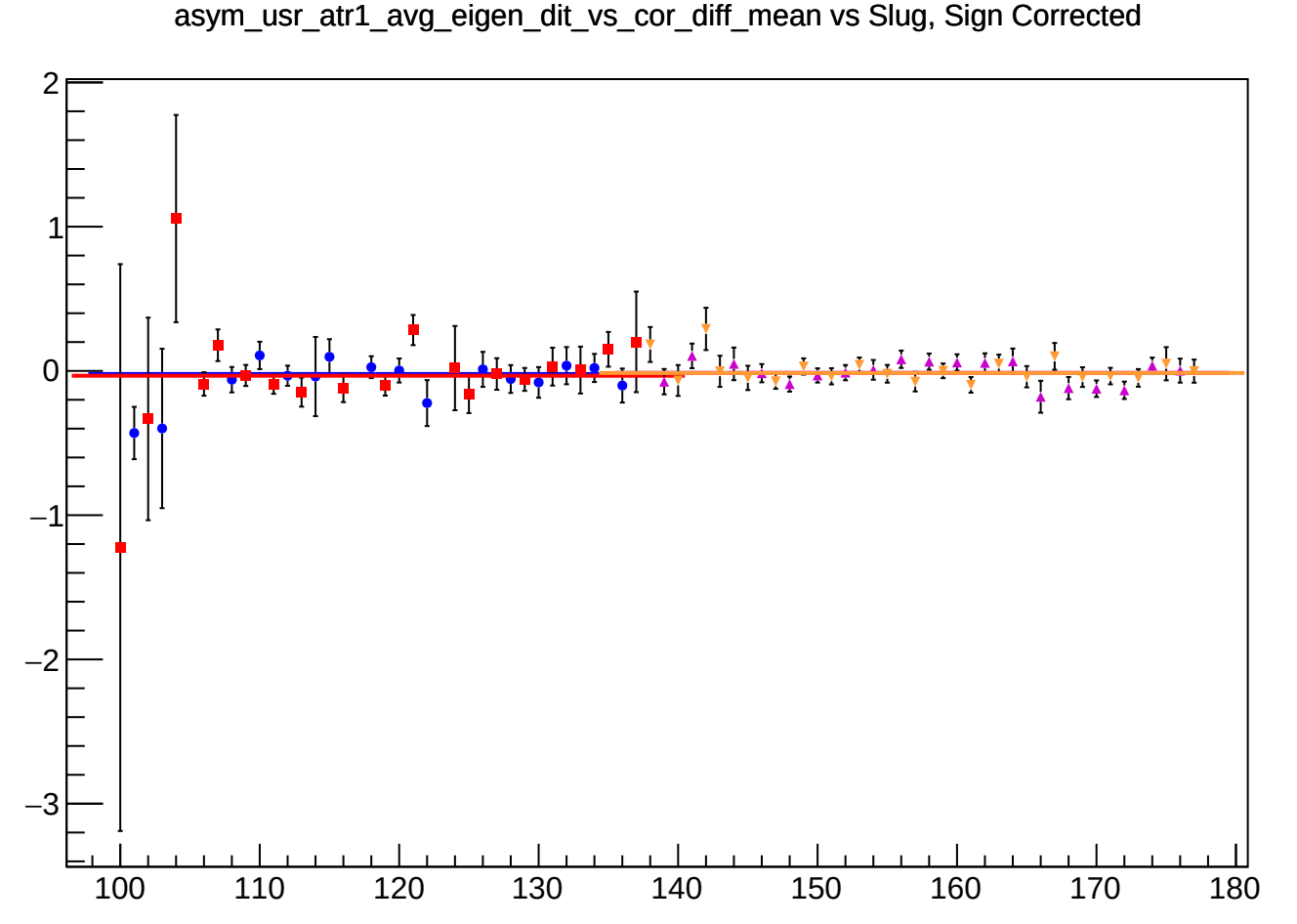
Right: -0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:36.2/34

Out: -0.000+/-0.000 χ^2/NDF:49.9/39

All: -0.000+/-0.000 χ^2/NDF: 89.1/74


asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
180
Right In: 0.003+/-0.000 χ²/NDF: 3283915.1/15
Left Out: 0.002+/-0.000 χ²/NDF:3565477.9/20
Right Out: 0.003+/-0.000 χ²/NDF: 3295506.1/18
Left In: 0.002+/-0.000 χ²/NDF:3972951.6/18
Left: 0.002+/-0.000 χ²/NDF: 7640419.4/39
Right: 0.003+/-0.000 χ²/NDF: 6602078.2/34
In: 0.002+/-0.000 χ²/NDF:8124868.3/34
Out: 0.002+/-0.000 χ²/NDF:7195074.2/39
All: 0.002+/-0.000 χ²/NDF: 15393106.4/74



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.014+/-0.015 χ^2/NDF:17.6/20

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.013+/-0.015 χ^2/NDF:25.7/18

Left: -0.014+/-0.010 χ^2/NDF: 43.3/39

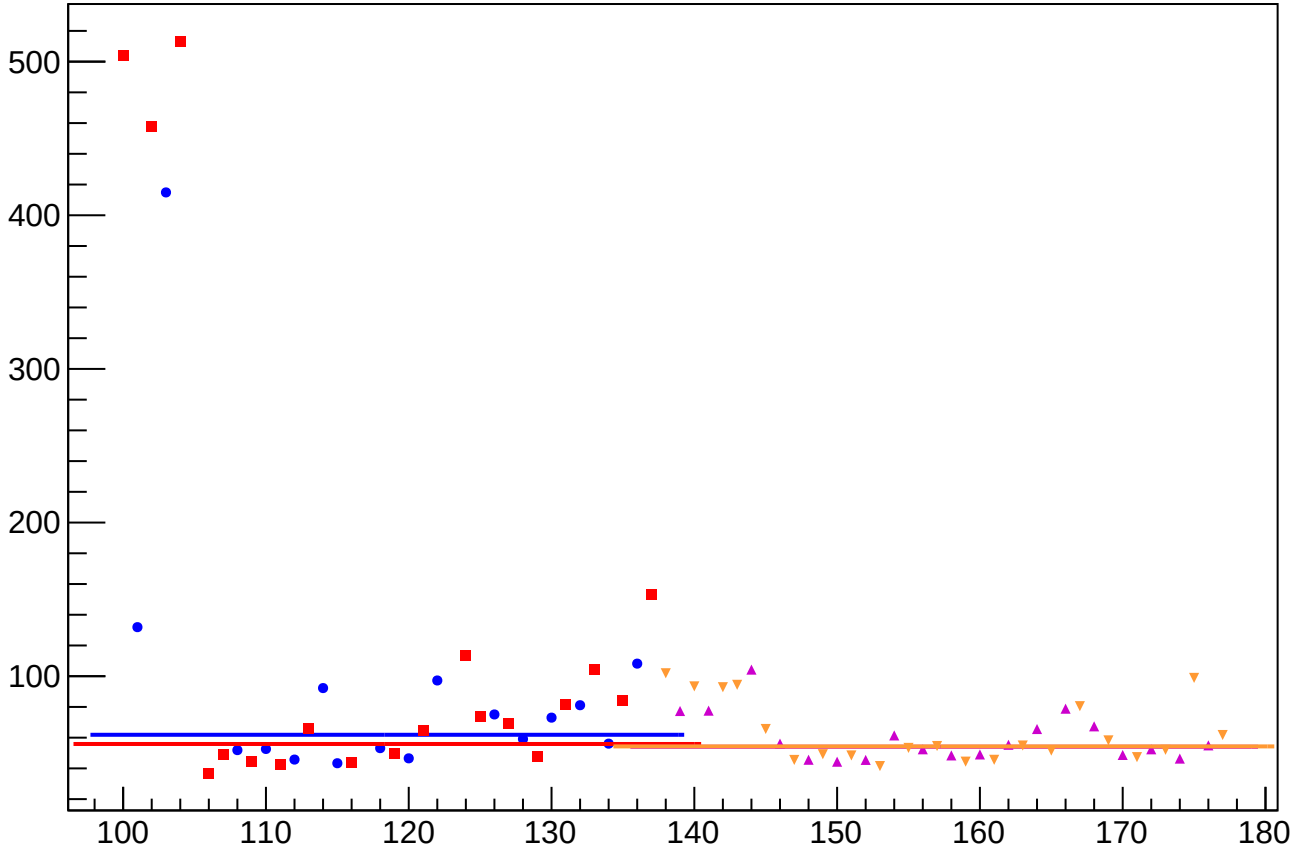
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.015+/-0.013 χ^2/NDF:37.7/34

Out: -0.019+/-0.013 χ^2/NDF:42.5/39

All: -0.017+/-0.009 χ^2/NDF: 80.2/74

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 54.311+/-0.010 χ^2/NDF:1897908.6/20

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 54.077+/-0.011 χ^2/NDF:1182180.2/18

Left: 54.195+/-0.007 χ^2/NDF: 3080336.4/39

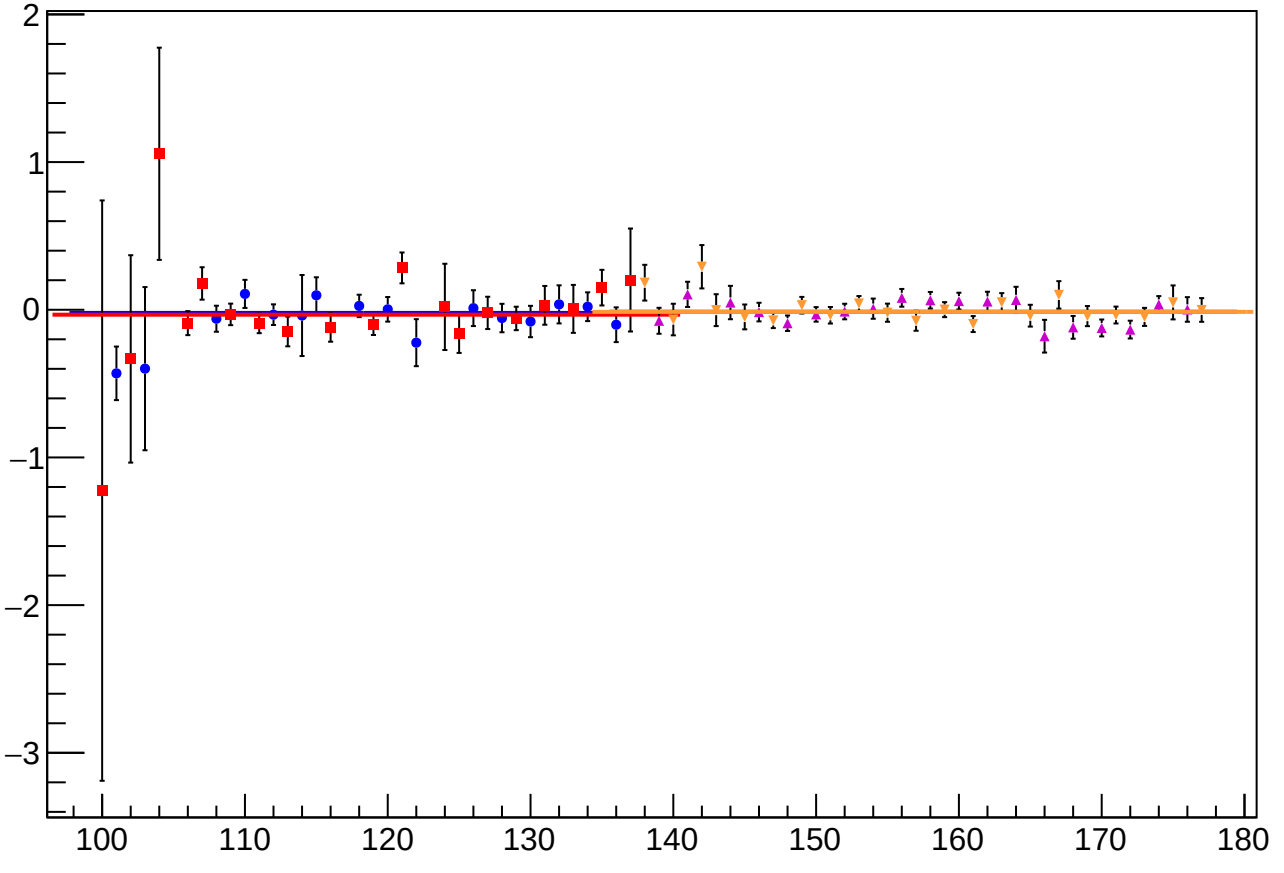
Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 55.947+/-0.009 χ^2/NDF:3251178.7/34

Out: 54.726+/-0.009 χ^2/NDF:4495191.6/39

All: 55.319+/-0.006 χ^2/NDF: 7755444.9/74

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: -0.014+/-0.015 χ^2/NDF:17.6/20

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.013+/-0.015 χ^2/NDF:25.7/18

Left: -0.014+/-0.010 χ^2/NDF: 43.3/39

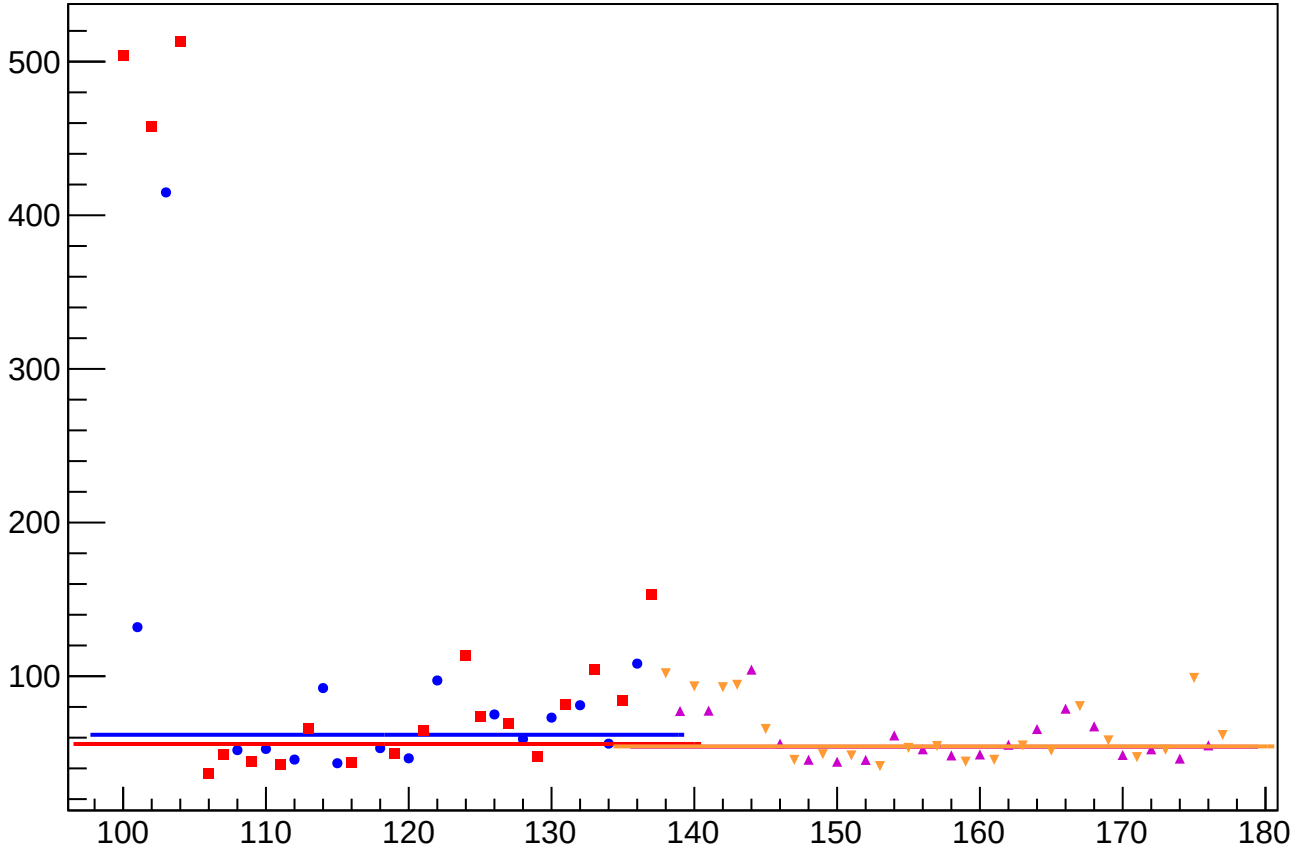
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.015+/-0.013 χ^2/NDF:37.7/34

Out: -0.019+/-0.013 χ^2/NDF:42.5/39

All: -0.017+/-0.009 χ^2/NDF: 80.2/74

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: 54.311+/-0.010 χ^2/NDF:1897908.6/20

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 54.077+/-0.011 χ^2/NDF:1182180.2/18

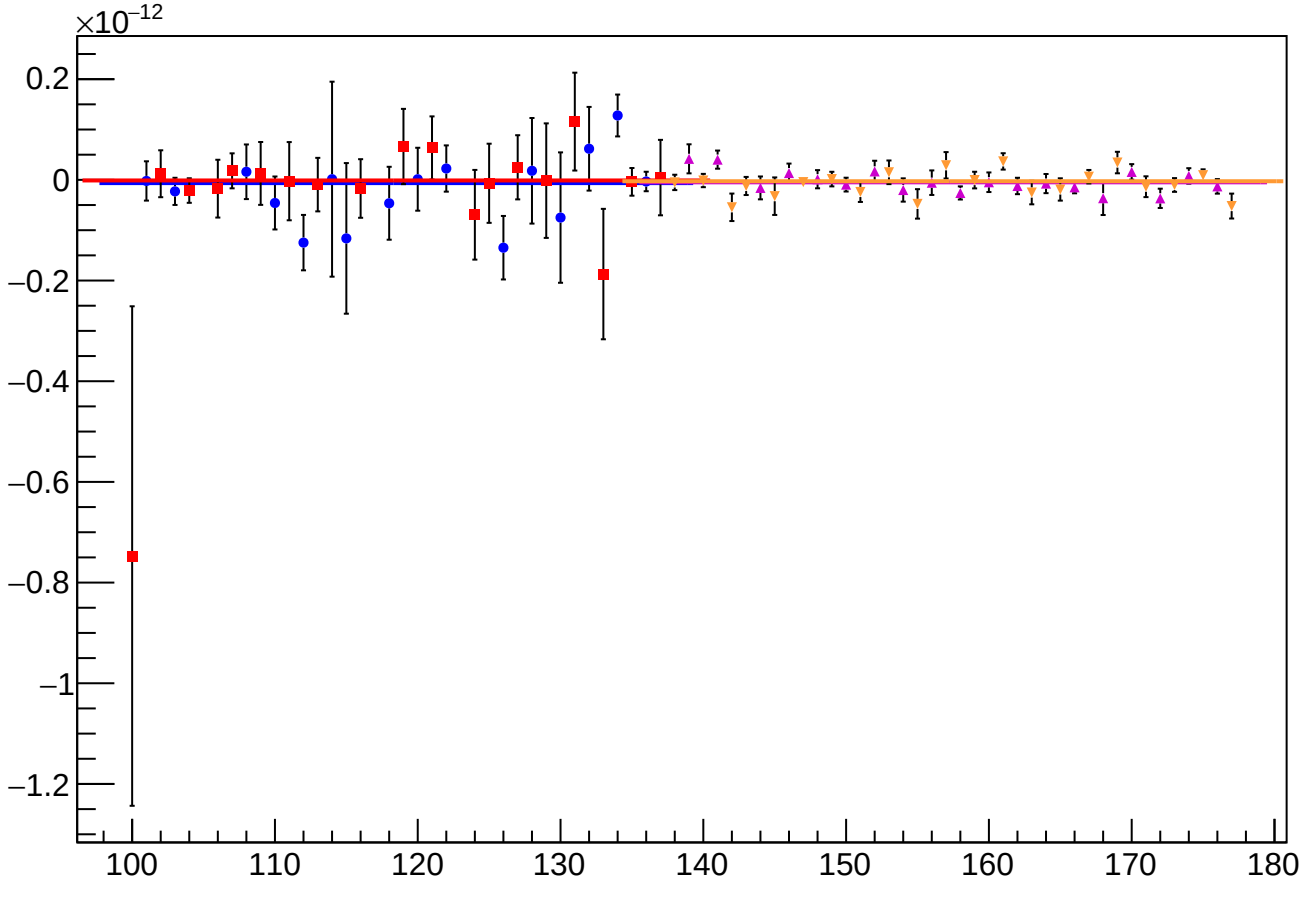
Left: 54.195+/-0.007 χ^2/NDF: 3080336.4/39

Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 55.947+/-0.009 χ^2/NDF:3251178.7/34

Out: 54.726+/-0.009 χ^2/NDF:4495191.6/39

All: 55.319+/-0.006 χ^2/NDF: 7755444.9/74



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.7/20

Right Out: -0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: -0.000+/-0.000 χ^2/NDF:21.7/18

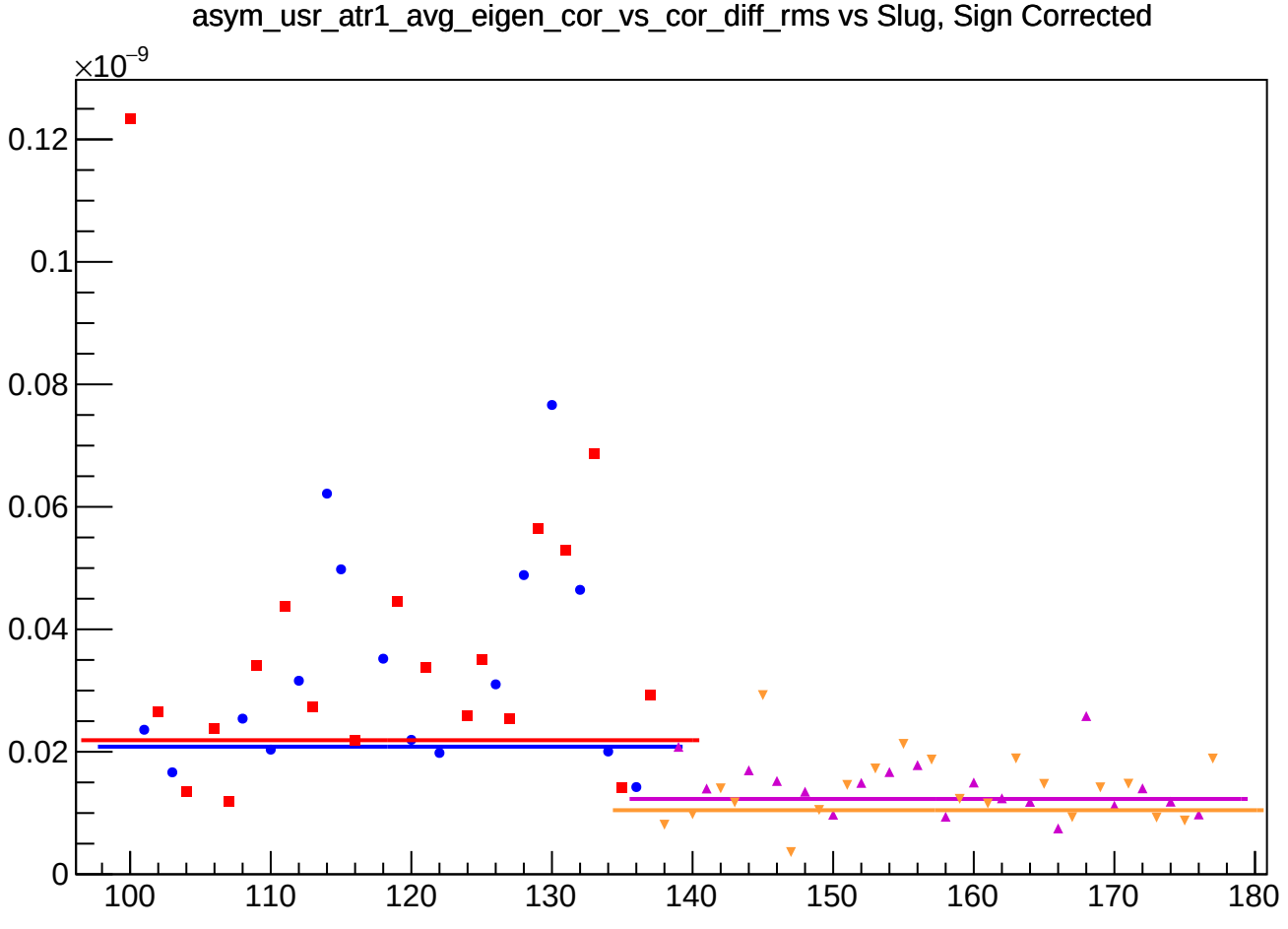
Left: -0.000+/-0.000 χ^2/NDF: 48.5/39

Right: -0.000+/-0.000 χ^2/NDF: 32.4/34

In: -0.000+/-0.000 χ^2/NDF:44.4/34

Out: -0.000+/-0.000 χ^2/NDF:36.4/39

All: -0.000+/-0.000 χ^2/NDF: 81.0/74



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3501116.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1489409.1/18

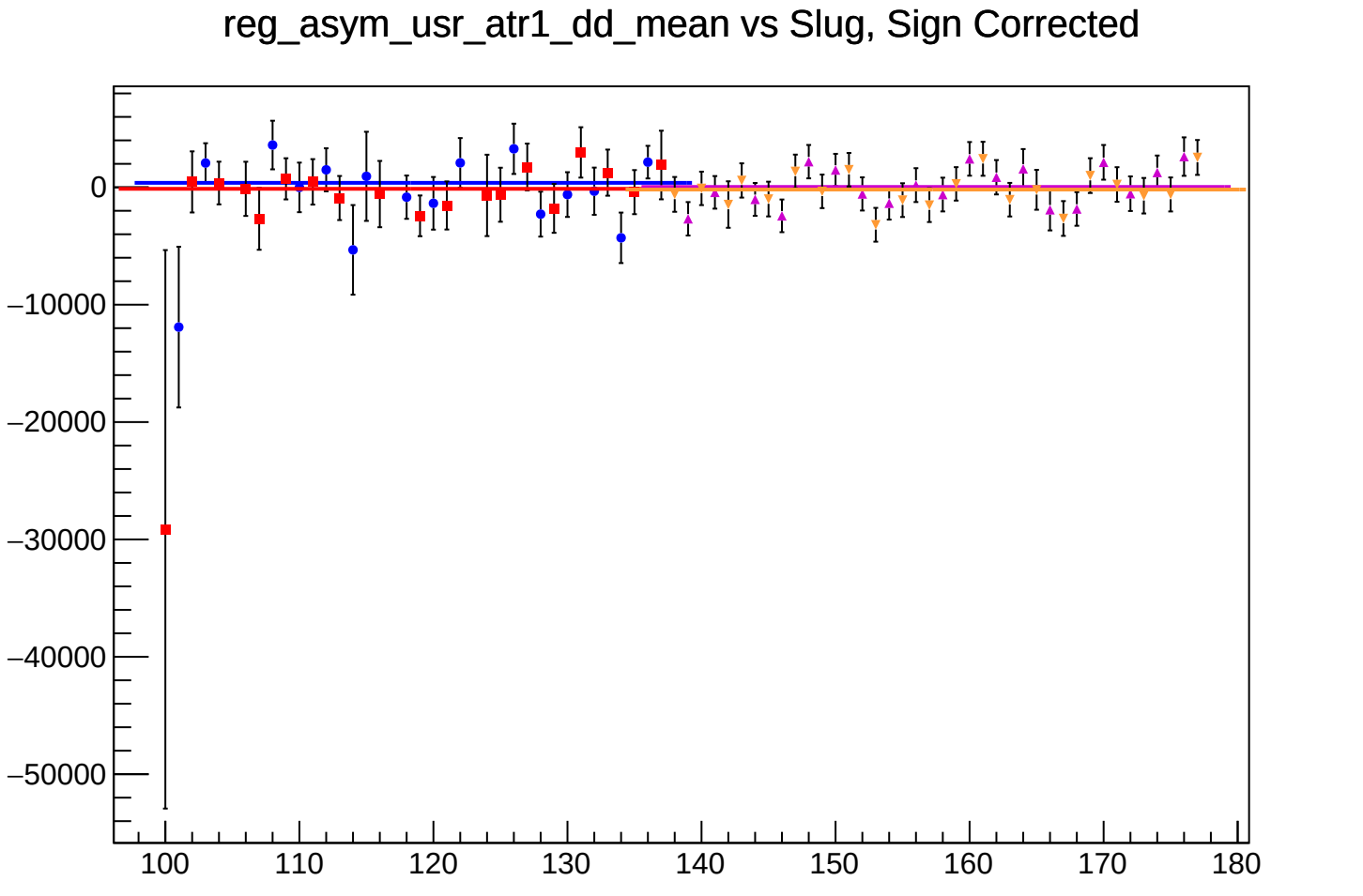
Left: 0.000+/-0.000 χ^2/NDF: 5223558.4/39

Right: 0.000+/-0.000 χ^2/NDF: 3299556.5/34

In: 0.000+/-0.000 χ^2/NDF:3888753.1/34

Out: 0.000+/-0.000 χ^2/NDF:7097989.9/39

All: 0.000+/-0.000 χ^2/NDF: 11244730.6/74



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: -190.672+/-322.956 χ^2/NDF:20.1/20

Right Out: -127.929+/-500.988 χ^2/NDF: 10.0/18

Left In: 31.229+/-334.770 χ^2/NDF:24.5/18

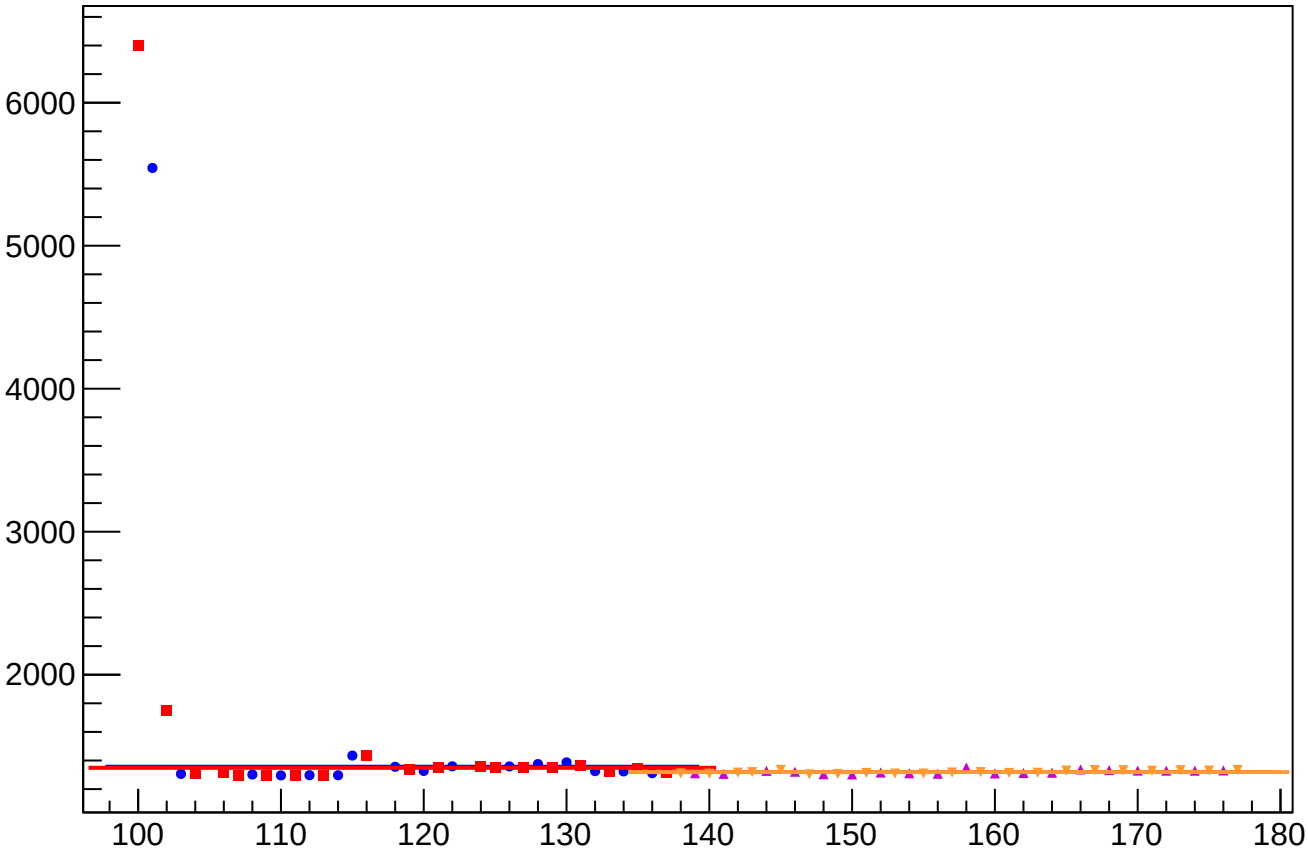
Left: -83.706+/-232.429 χ^2/NDF: 44.8/39

Right: 118.340+/-360.045 χ^2/NDF: 32.0/34

In: 134.455+/-281.130 χ^2/NDF:46.3/34

Out: -172.253+/-271.444 χ^2/NDF:30.1/39

All: -24.273+/-195.274 χ^2/NDF: 77.0/74



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1319.074+/-0.228 χ^2/NDF:2117.7/20

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

Left In: 1319.730+/-0.237 χ^2/NDF:2939.5/18

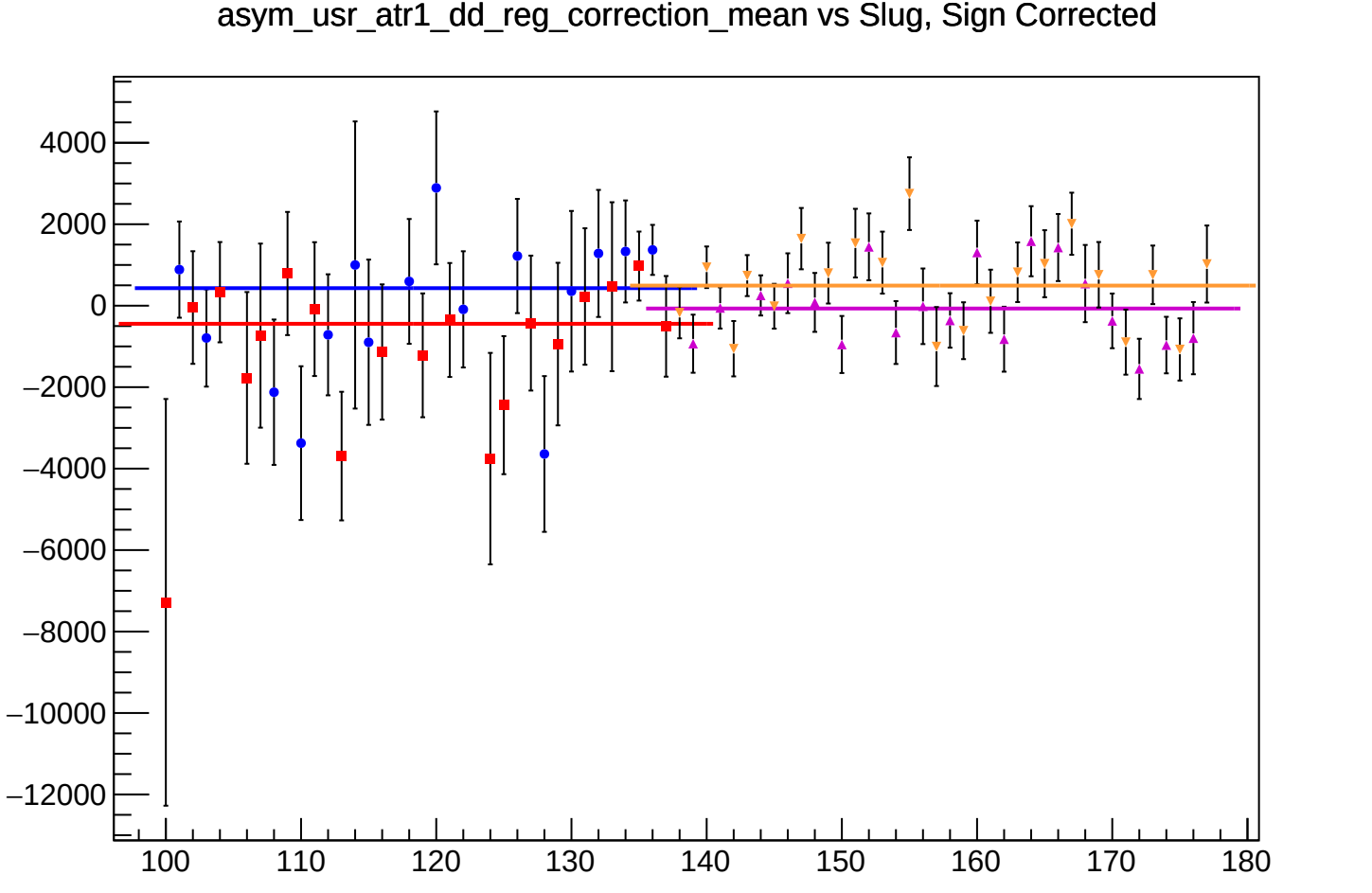
Left: 1319.390+/-0.164 χ^2/NDF: 5061.1/39

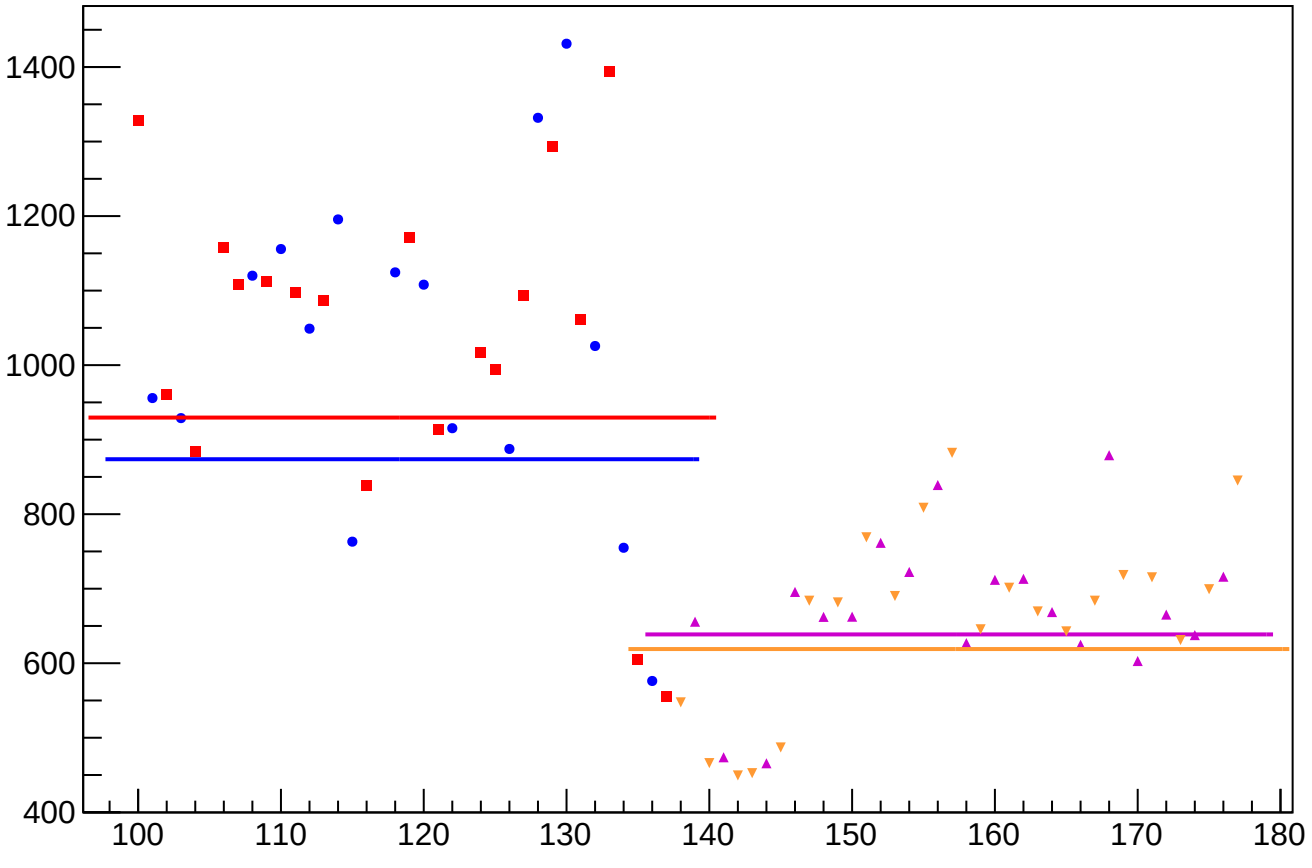
Right: 1352.564+/-0.255 χ^2/NDF: 907744.1/34

In: 1330.539+/-0.199 χ^2/NDF:770278.6/34

Out: 1327.852+/-0.192 χ^2/NDF:154416.0/39

All: 1329.148+/-0.138 χ^2/NDF: 924789.1/74


asym_usr_atr1_dd_reg_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: 430.363+/-338.459 χ²/NDF: 18.2/15
Left Out: 493.484+/-155.313 χ²/NDF:36.7/20
Right Out: -444.555+/-355.594 χ²/NDF: 14.4/18
Left In: -69.502+/-164.622 χ²/NDF:26.4/18
Left: 228.359+/-112.970 χ²/NDF: 69.3/39
Right: 14.491+/-245.161 χ²/NDF: 35.8/34
In: 26.129+/-148.040 χ²/NDF:46.4/34
Out: 343.205+/-142.329 χ²/NDF:56.9/39
All: 190.900+/-102.601 χ²/NDF: 105.7/74



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 619.022+/-0.110 χ^2/NDF:1259717.2/20

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

Left In: 638.652+/-0.116 χ^2/NDF:828486.3/18

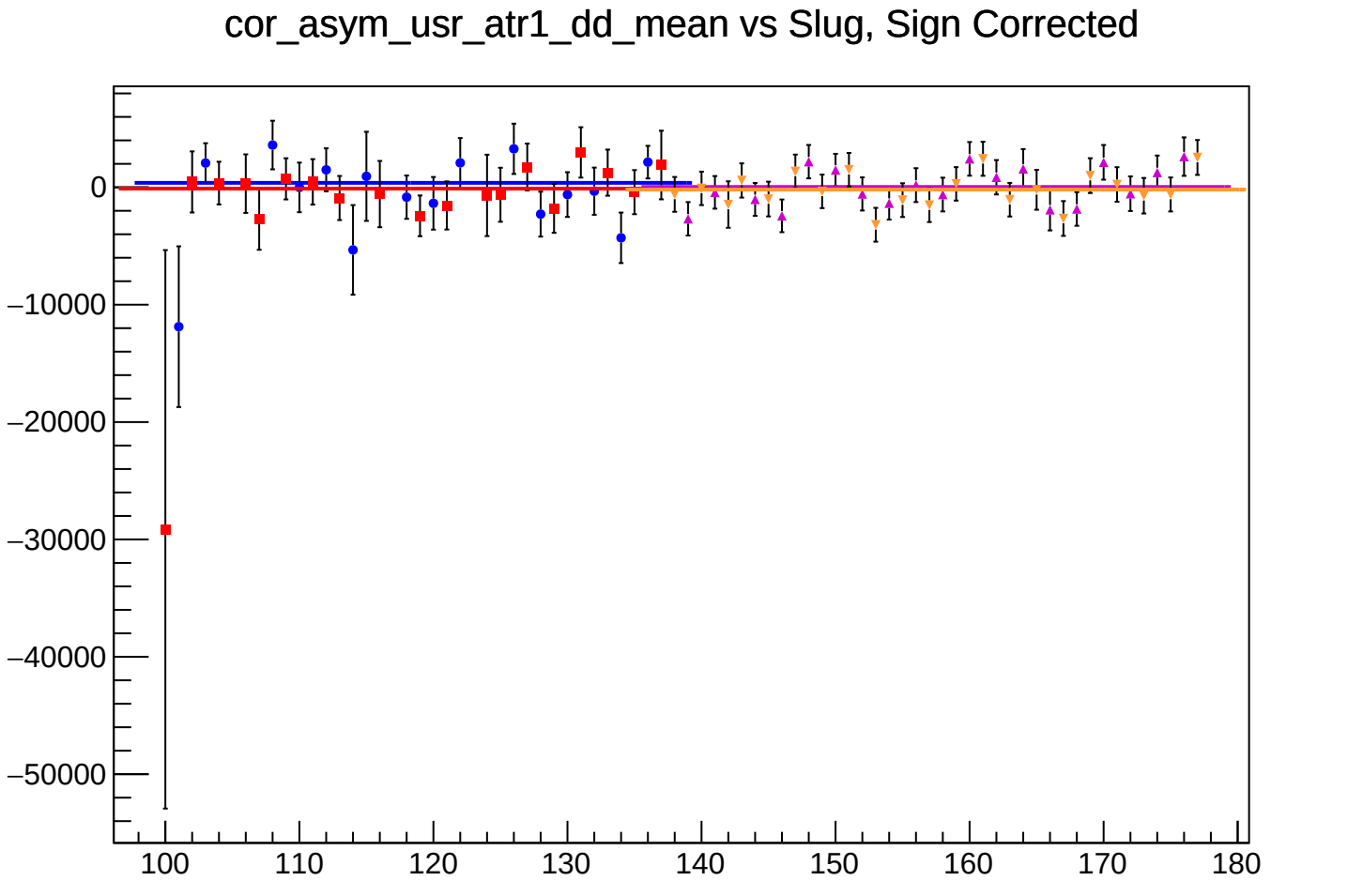
Left: 628.266+/-0.080 χ^2/NDF: 2103248.4/39

Right: 900.305+/-0.173 χ^2/NDF: 1900732.3/34

In: 683.626+/-0.105 χ^2/NDF:2623593.9/34

Out: 668.784+/-0.101 χ^2/NDF:3401205.4/39

All: 675.913+/-0.073 χ^2/NDF: 6035244.9/74



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -190.704+/-322.956 χ^2/NDF:20.1/20

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: 31.187+/-334.770 χ^2/NDF:24.5/18

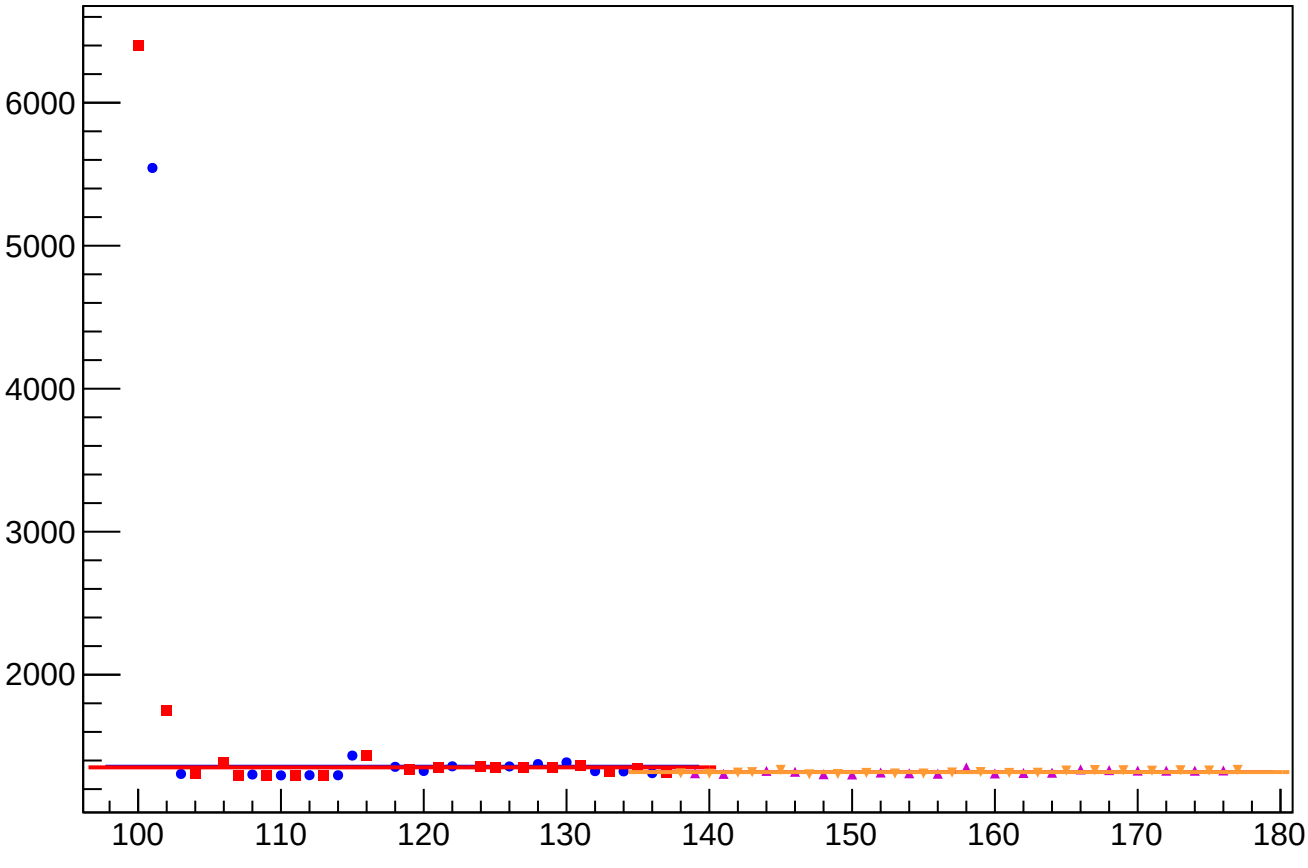
Left: -83.743+/-232.429 χ^2/NDF: 44.8/39

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: 134.517+/-281.130 χ^2/NDF:46.3/34

Out: -167.208+/-271.715 χ^2/NDF:30.1/39

All: -21.482+/-195.375 χ^2/NDF: 77.0/74



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1319.074+/-0.228 χ^2/NDF:2117.7/20

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1319.730+/-0.237 χ^2/NDF:2939.5/18

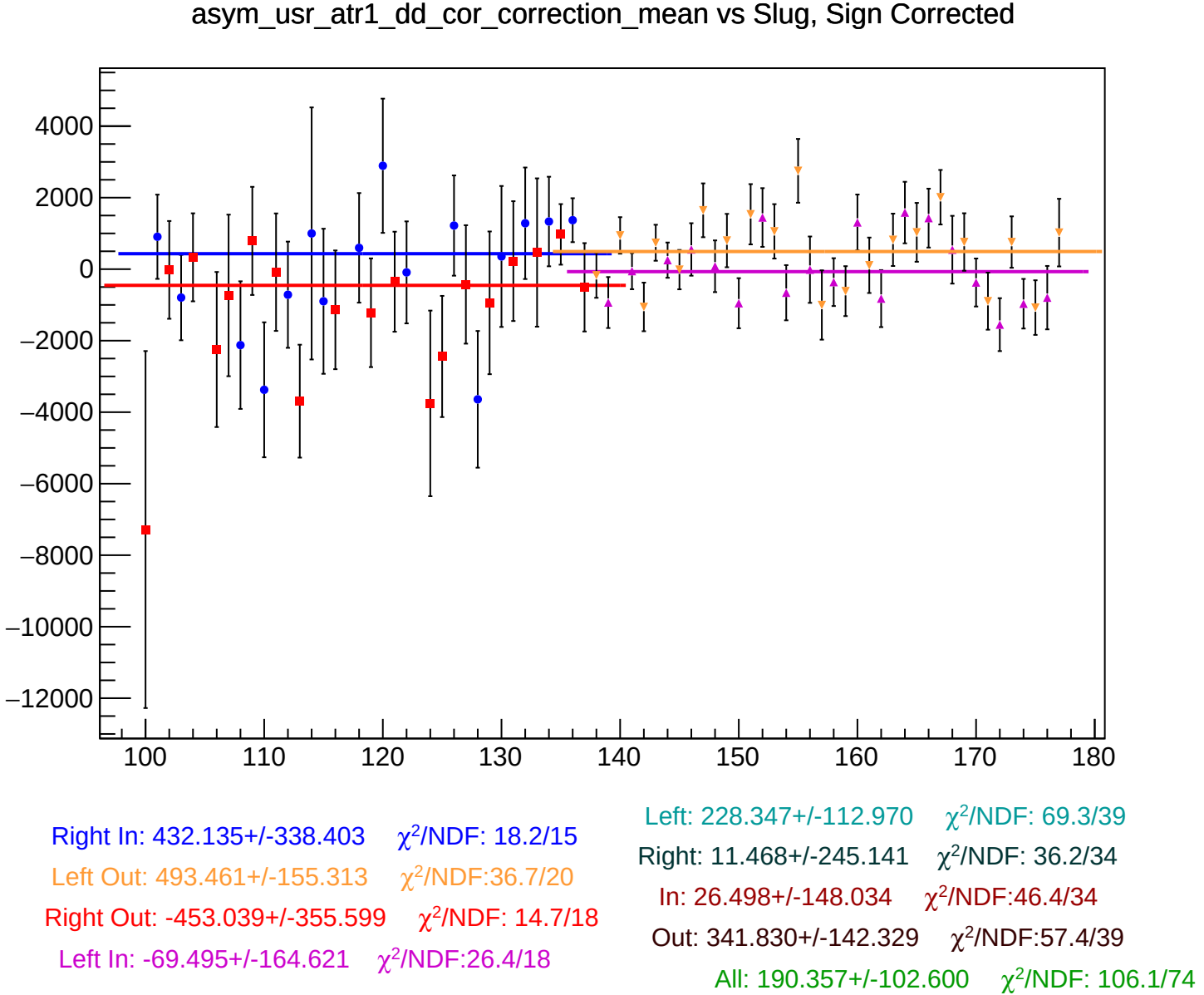
Left: 1319.390+/-0.164 χ^2/NDF: 5061.1/39

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1330.539+/-0.199 χ^2/NDF:770277.6/34

Out: 1328.718+/-0.192 χ^2/NDF:155548.3/39

All: 1329.598+/-0.138 χ^2/NDF: 925869.3/74


asym_usr_atr1_dd_cor_correction_mean vs Slug, Sign Corrected
4000
2000
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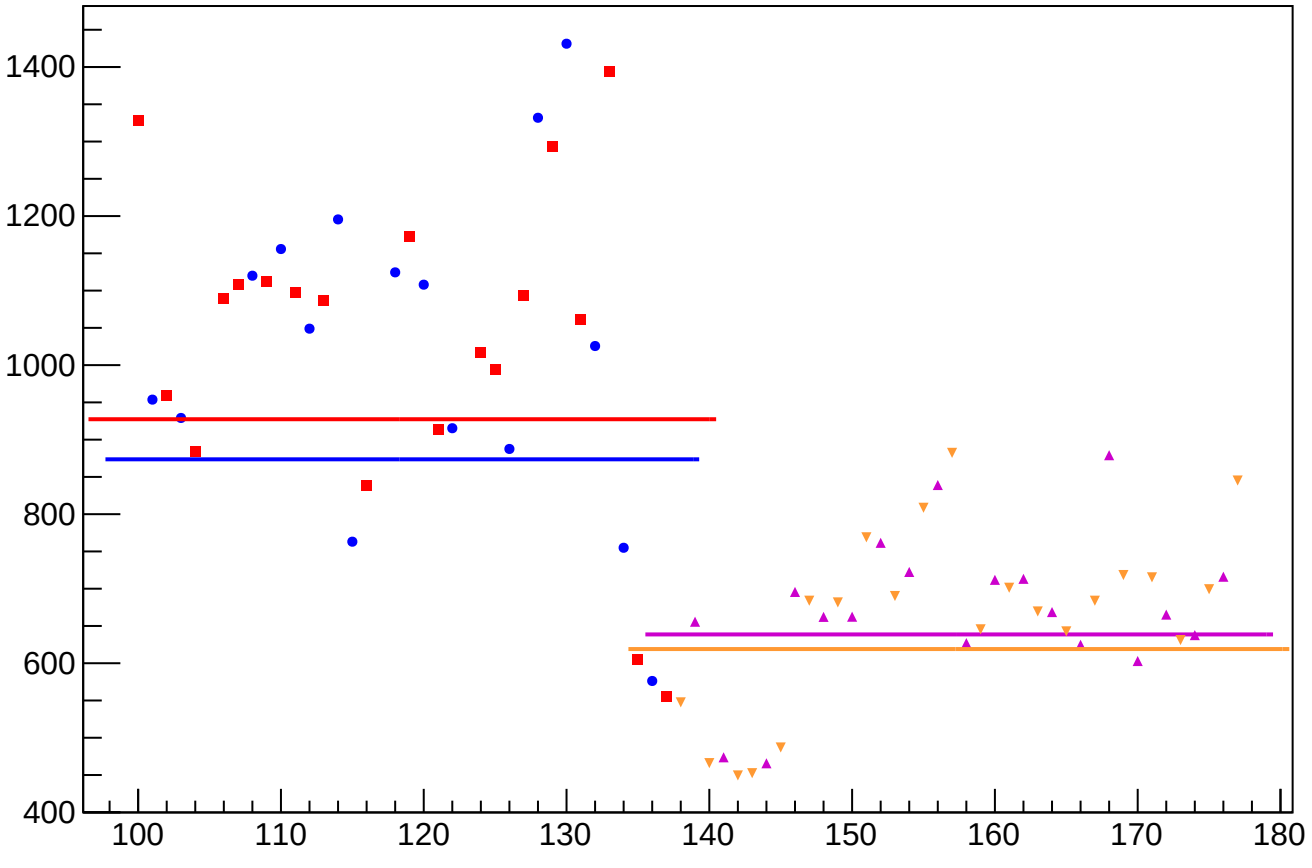
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
Right In: 432.135+/-338.403 χ²/NDF: 18.2/15
Left Out: 493.461+/-155.313 χ²/NDF:36.7/20
Right Out: -453.039+/-355.599 χ²/NDF: 14.7/18
Left In: -69.495+/-164.621 χ²/NDF:26.4/18
Left: 228.347+/-112.970 χ²/NDF: 69.3/39
Right: 11.468+/-245.141 χ²/NDF: 36.2/34
In: 26.498+/-148.034 χ²/NDF:46.4/34
Out: 341.830+/-142.329 χ²/NDF:57.4/39
All: 190.357+/-102.600 χ²/NDF: 106.1/74



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 619.023+/-0.110 χ^2/NDF:1259654.5/20

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 638.646+/-0.116 χ^2/NDF:828543.9/18

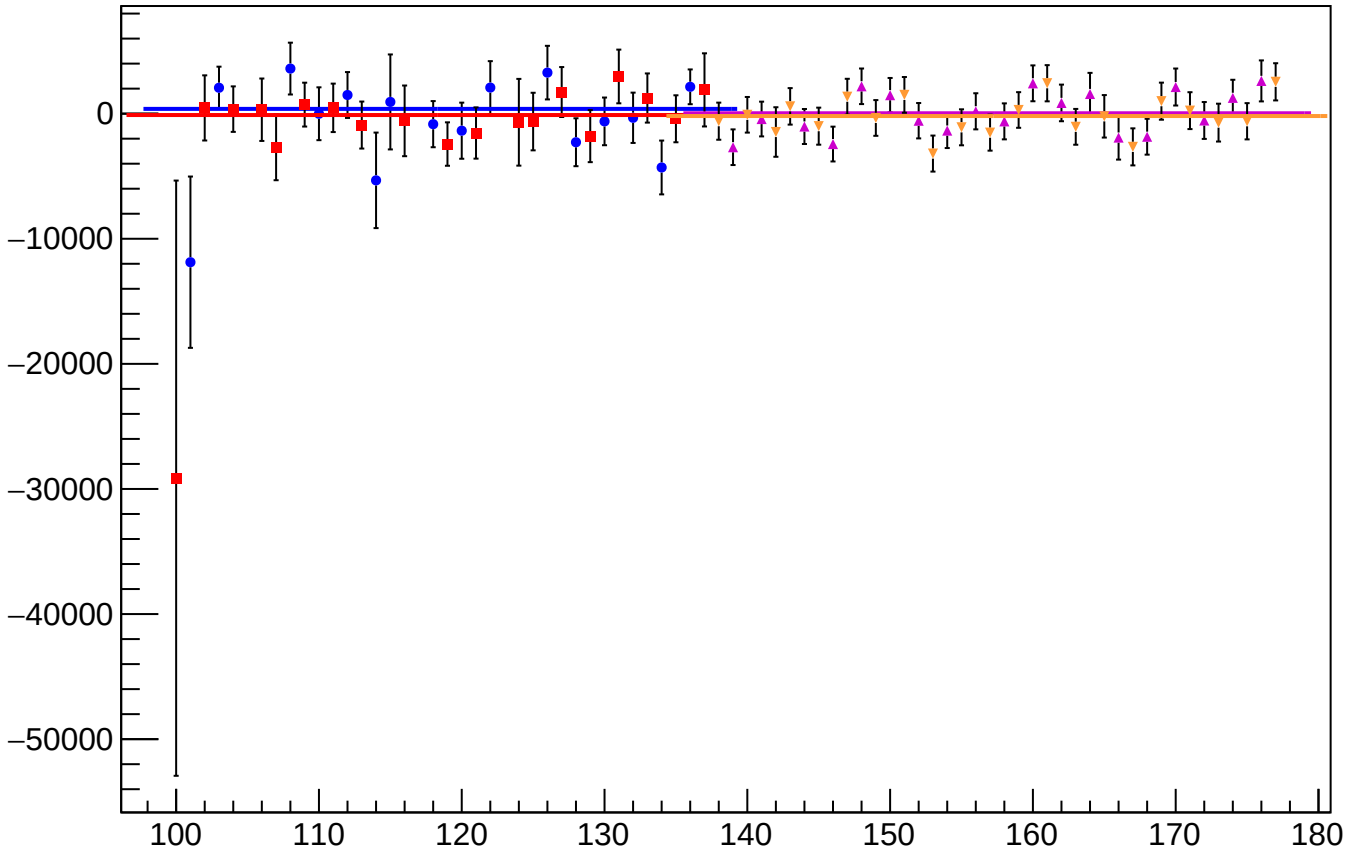
Left: 628.264+/-0.080 χ^2/NDF: 2103233.5/39

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 683.608+/-0.105 χ^2/NDF:2622611.4/34

Out: 668.426+/-0.101 χ^2/NDF:3370225.4/39

All: 675.719+/-0.073 χ^2/NDF: 6003767.6/74



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -190.704+/-322.956 χ^2/NDF:20.1/20

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: 31.187+/-334.770 χ^2/NDF:24.5/18

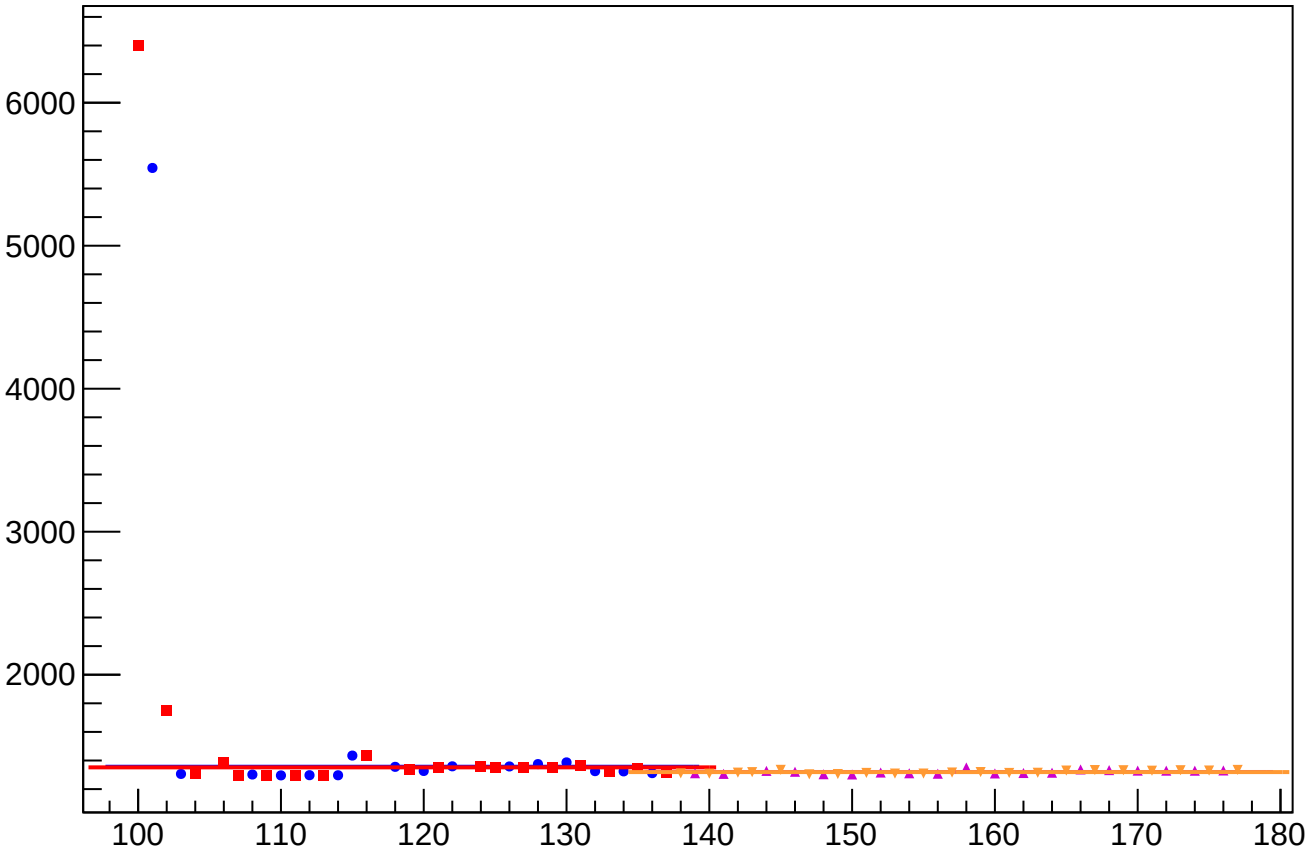
Left: -83.743+/-232.429 χ^2/NDF: 44.8/39

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: 134.517+/-281.130 χ^2/NDF:46.3/34

Out: -167.208+/-271.715 χ^2/NDF:30.1/39

All: -21.482+/-195.375 χ^2/NDF: 77.0/74



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1319.074+/-0.228 χ^2/NDF:2117.7/20

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1319.730+/-0.237 χ^2/NDF:2939.5/18

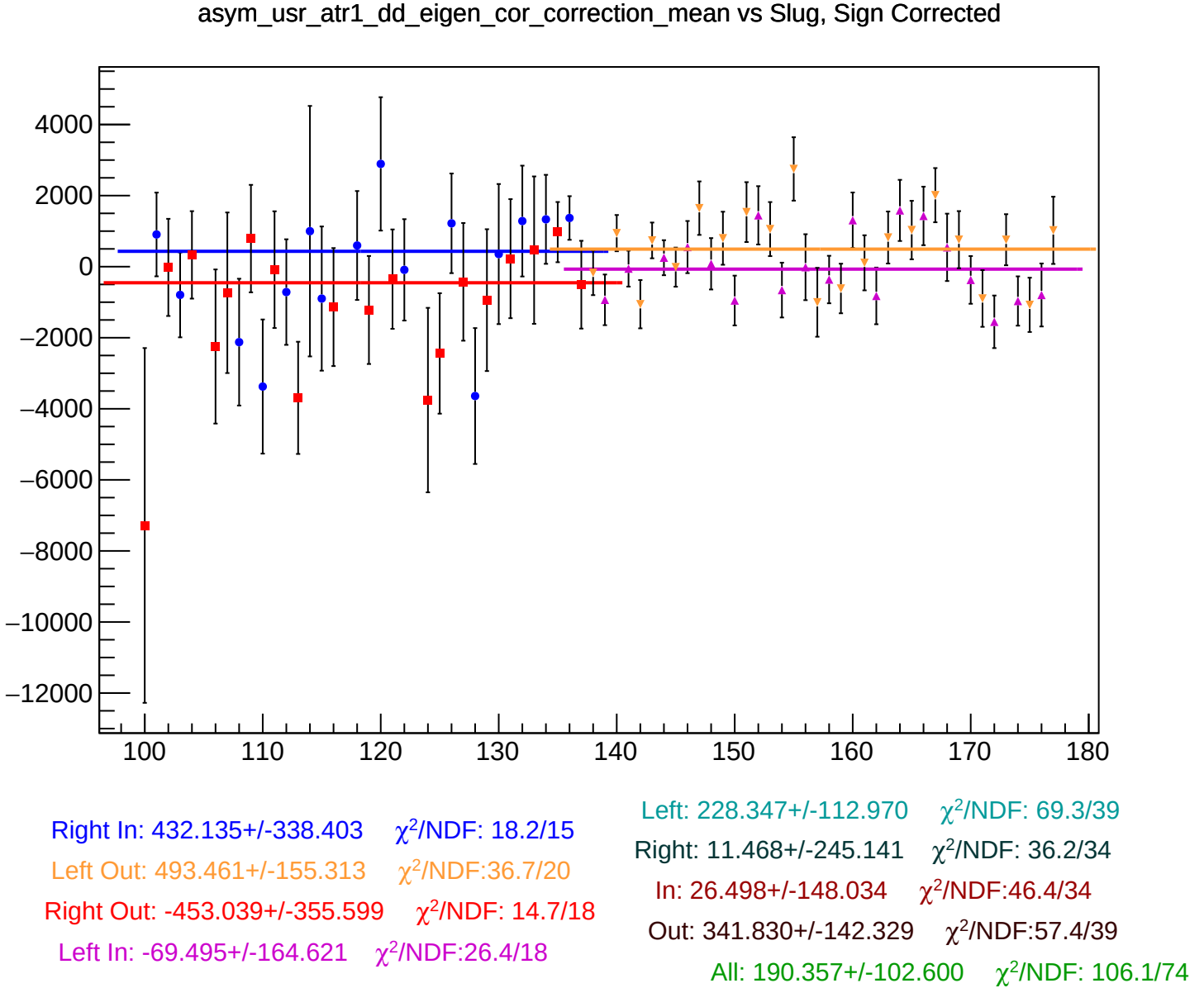
Left: 1319.390+/-0.164 χ^2/NDF: 5061.1/39

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1330.539+/-0.199 χ^2/NDF:770277.6/34

Out: 1328.718+/-0.192 χ^2/NDF:155548.3/39

All: 1329.598+/-0.138 χ^2/NDF: 925869.3/74


asym_usr_atr1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
4000
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−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
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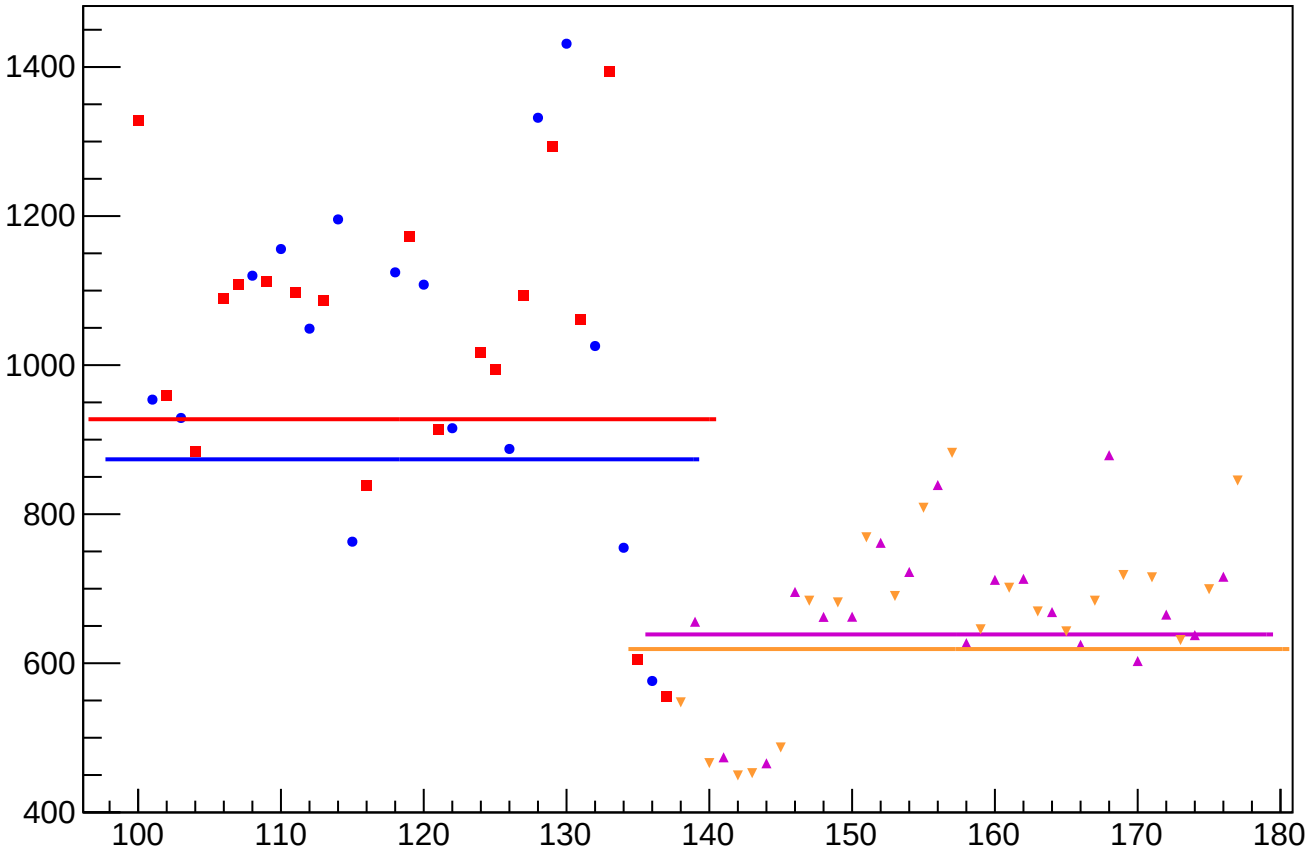
170
180
Right In: 432.135+/-338.403 χ²/NDF: 18.2/15
Left Out: 493.461+/-155.313 χ²/NDF:36.7/20
Right Out: -453.039+/-355.599 χ²/NDF: 14.7/18
Left In: -69.495+/-164.621 χ²/NDF:26.4/18
Left: 228.347+/-112.970 χ²/NDF: 69.3/39
Right: 11.468+/-245.141 χ²/NDF: 36.2/34
In: 26.498+/-148.034 χ²/NDF:46.4/34
Out: 341.830+/-142.329 χ²/NDF:57.4/39
All: 190.357+/-102.600 χ²/NDF: 106.1/74



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 619.023+/-0.110 χ^2/NDF:1259654.5/20

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 638.646+/-0.116 χ^2/NDF:828543.9/18

Left: 628.264+/-0.080 χ^2/NDF: 2103233.5/39

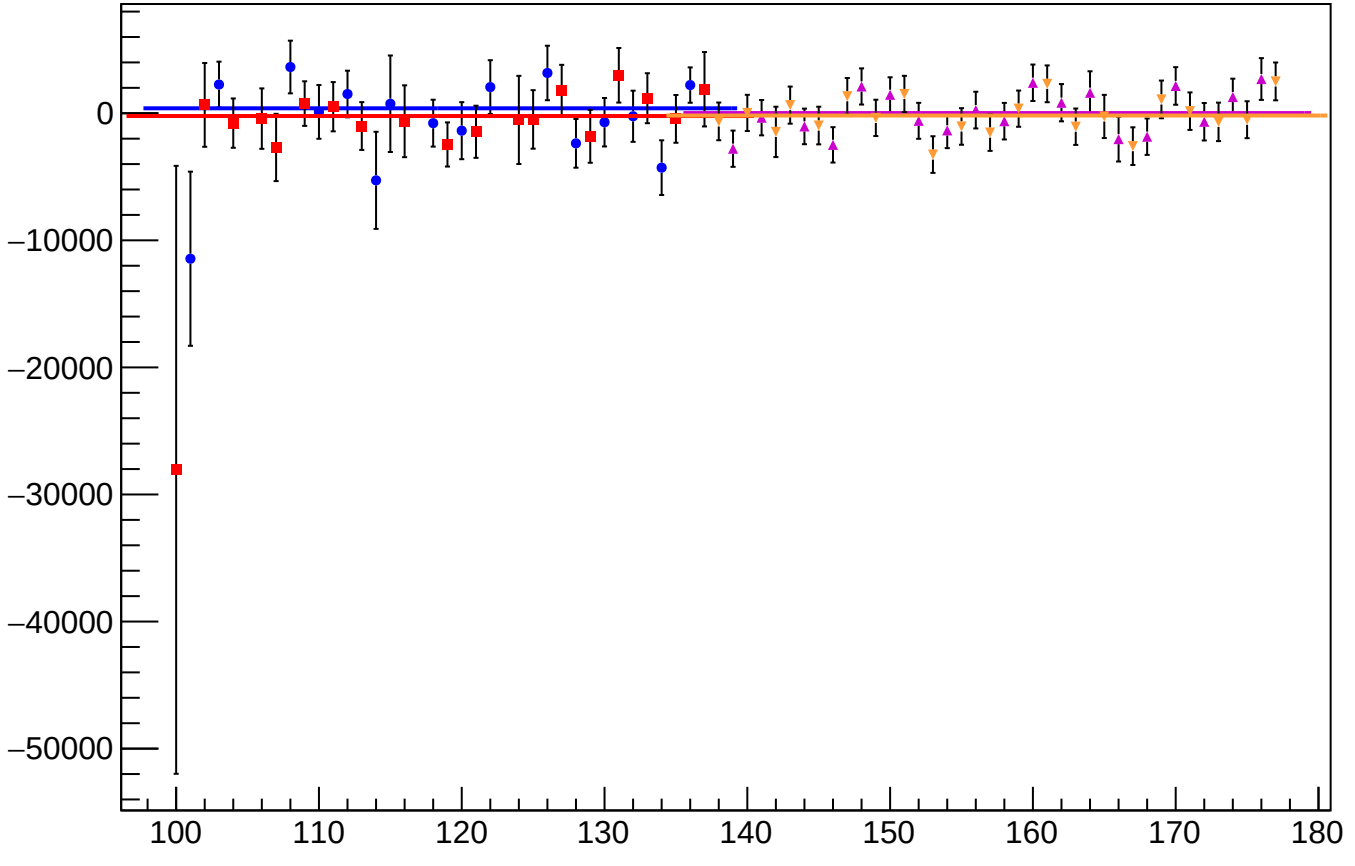
Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 683.608+/-0.105 χ^2/NDF:2622611.4/34

Out: 668.426+/-0.101 χ^2/NDF:3370225.4/39

All: 675.719+/-0.073 χ^2/NDF: 6003767.6/74

dit_asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -178.902+/-323.254 χ^2/NDF:19.8/20

Right Out: -218.184+/-507.927 χ^2/NDF: 10.0/18

Left In: 14.414+/-335.059 χ^2/NDF:25.1/18

Left: -85.709+/-232.636 χ^2/NDF: 45.0/39

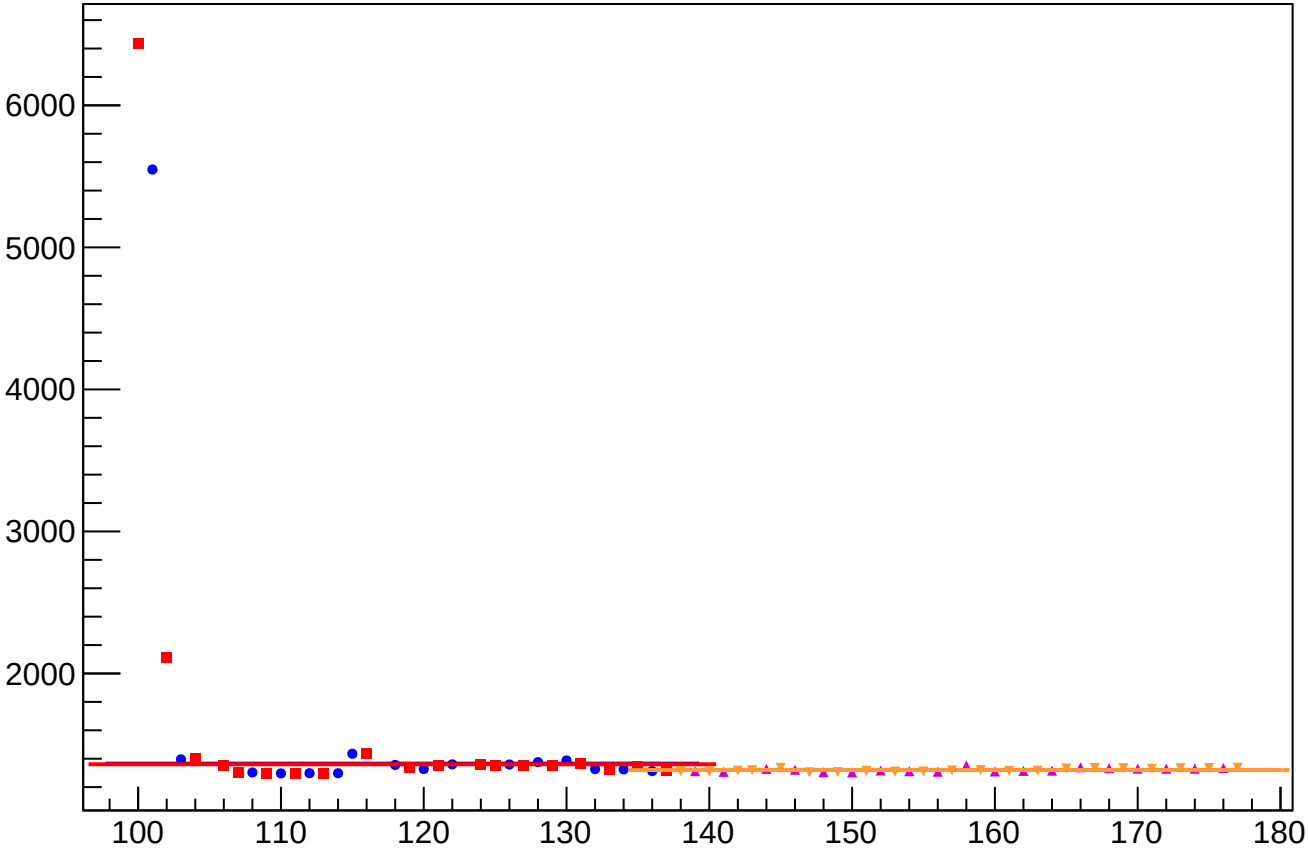
Right: 78.065+/-363.747 χ^2/NDF: 32.1/34

In: 124.240+/-281.837 χ^2/NDF:46.8/34

Out: -190.226+/-272.710 χ^2/NDF:29.8/39

All: -38.167+/-195.983 χ^2/NDF: 77.2/74

dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1320.289+/-0.229 χ^2/NDF:2215.2/20

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

Left In: 1320.865+/-0.237 χ^2/NDF:3027.5/18

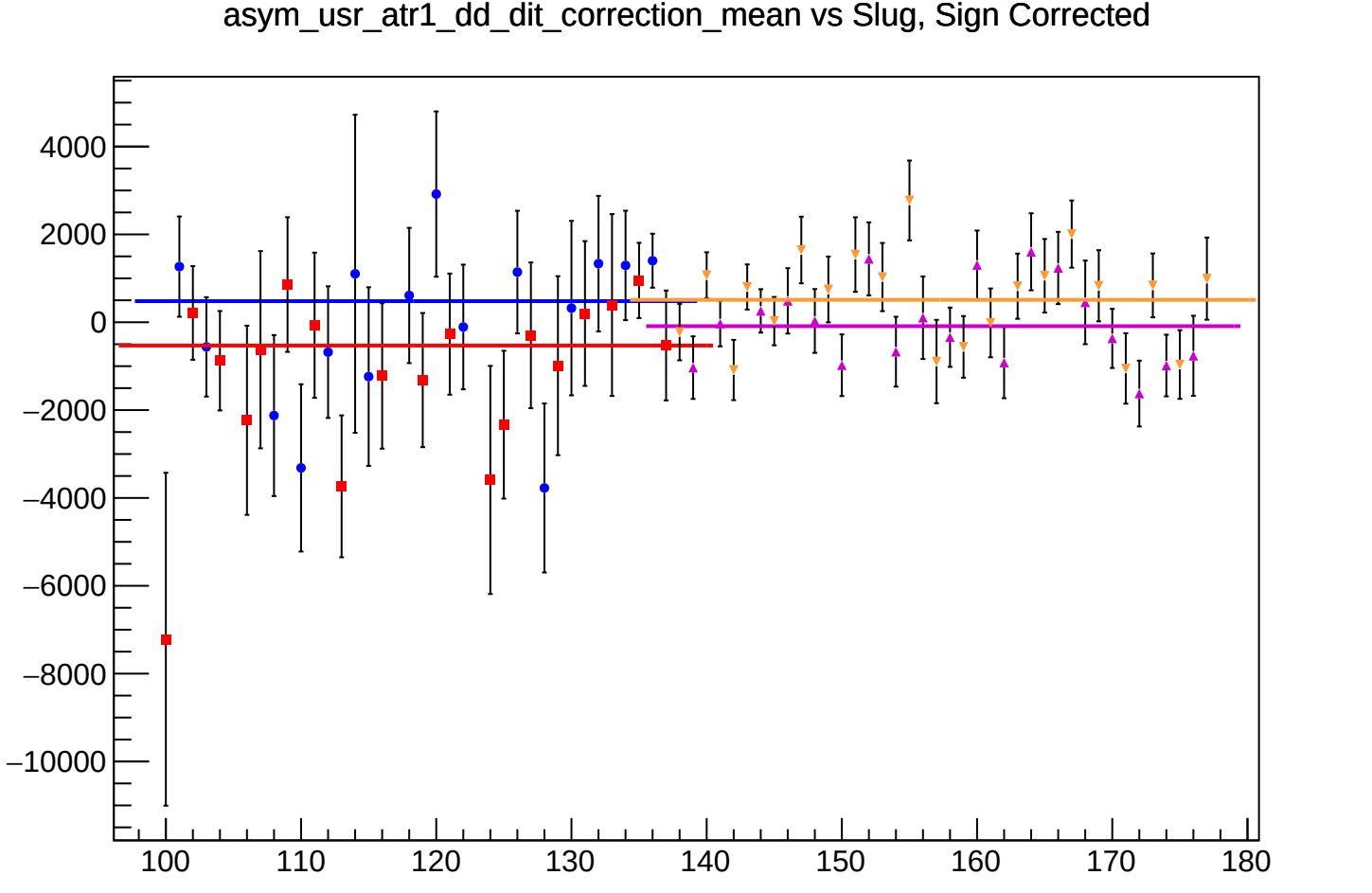
Left: 1320.567+/-0.164 χ^2/NDF: 5245.8/39

Right: 1362.978+/-0.257 χ^2/NDF: 964337.6/34

In: 1333.861+/-0.199 χ^2/NDF:772260.1/34

Out: 1331.958+/-0.193 χ^2/NDF:216572.5/39

All: 1332.878+/-0.139 χ^2/NDF: 988879.7/74



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 509.576+/-157.040 χ^2/NDF:36.8/20

Right Out: -530.532+/-346.105 χ^2/NDF: 15.6/18

Left In: -89.551+/-166.410 χ^2/NDF:26.0/18

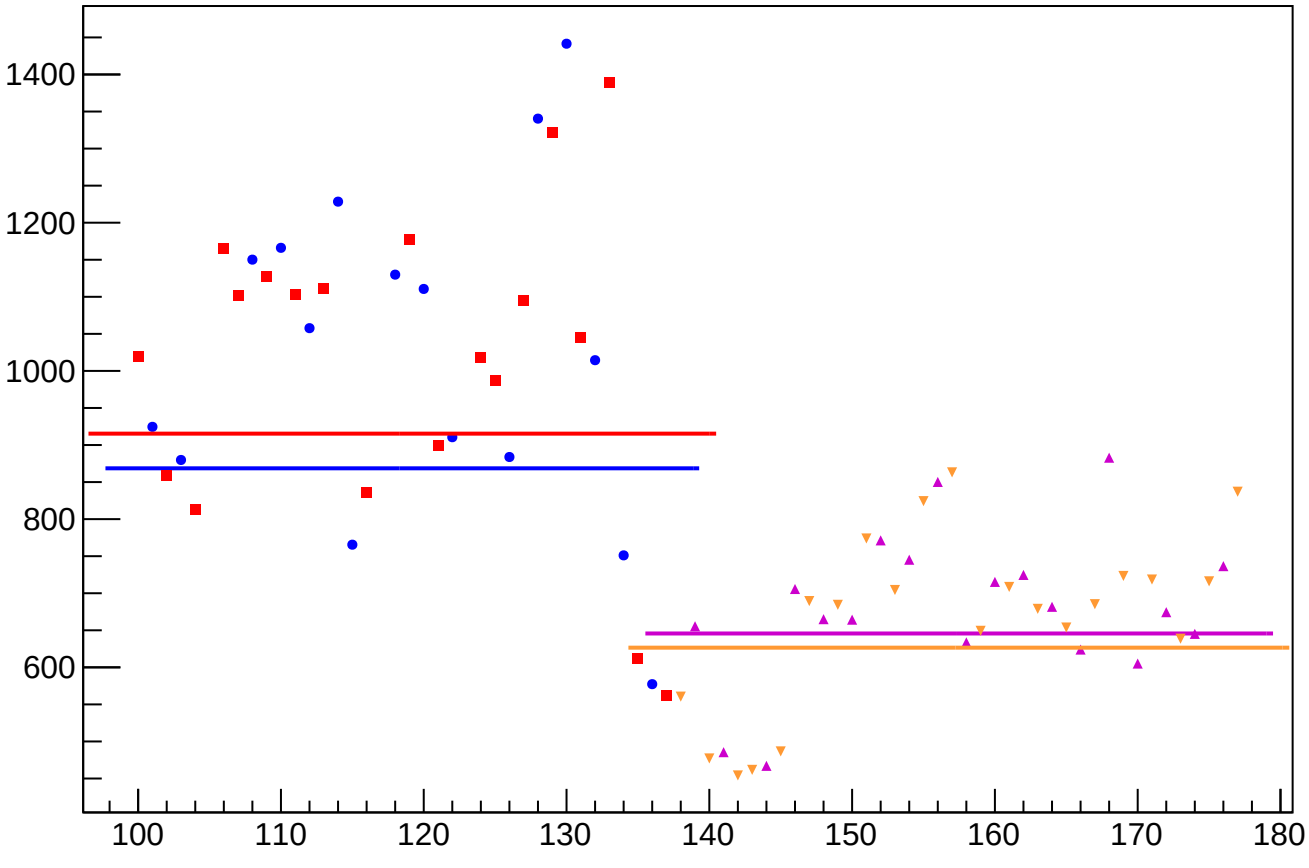
Left: 227.354+/-114.213 χ^2/NDF: 69.6/39

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 22.436+/-149.168 χ^2/NDF:46.9/34

Out: 332.002+/-143.007 χ^2/NDF:59.9/39

All: 183.744+/-103.231 χ^2/NDF: 109.1/74



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 626.563+/-0.111 χ^2/NDF:1202349.4/20

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

Left In: 645.705+/-0.118 χ^2/NDF:834131.7/18

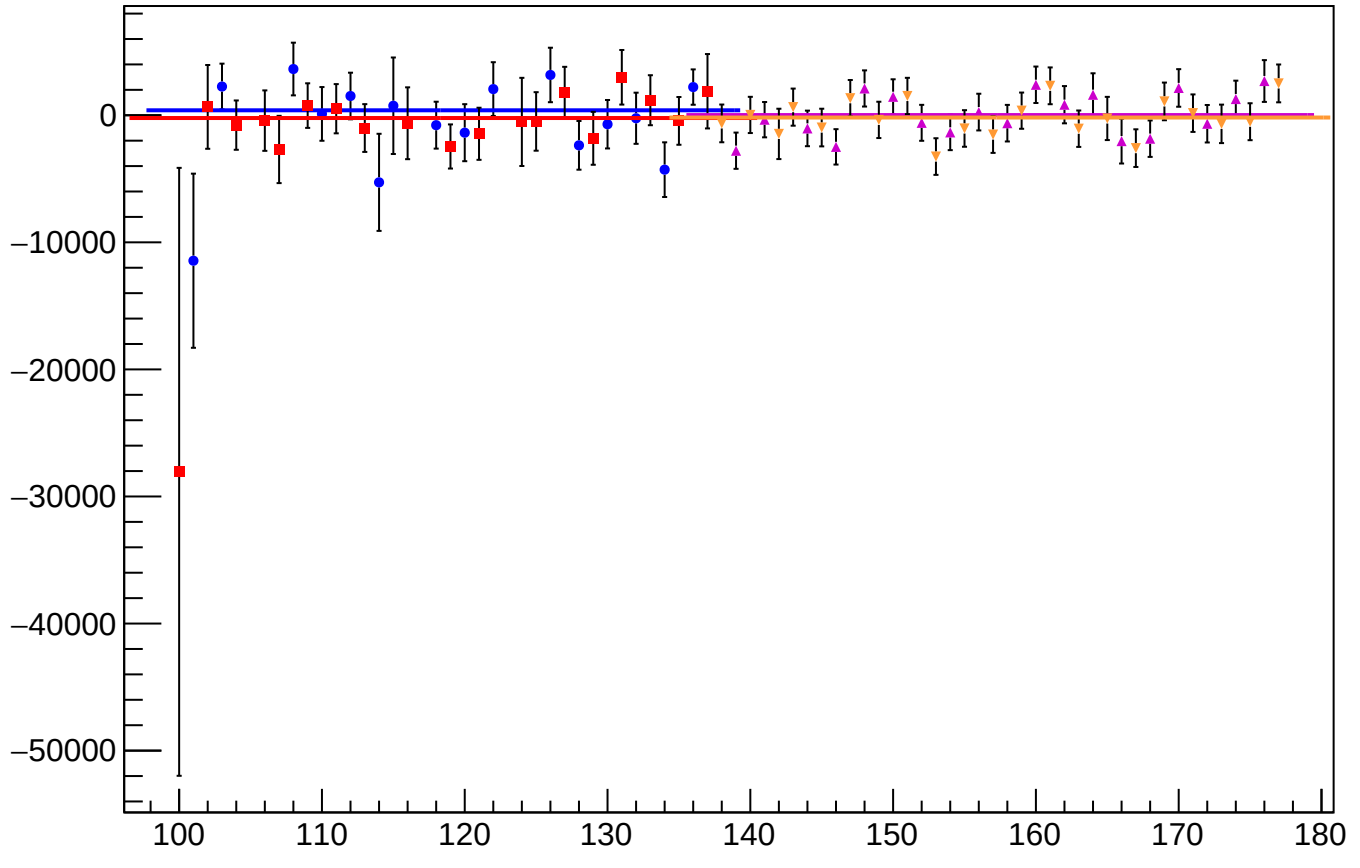
Left: 635.580+/-0.081 χ^2/NDF: 2050479.2/39

Right: 891.309+/-0.171 χ^2/NDF: 1899033.0/34

In: 689.495+/-0.105 χ^2/NDF:2560311.8/34

Out: 675.868+/-0.101 χ^2/NDF:3216032.3/39

All: 682.395+/-0.073 χ^2/NDF: 5785041.3/74



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -178.903+/-323.254 χ^2/NDF:19.8/20

Right Out: -218.182+/-507.927 χ^2/NDF: 10.0/18

Left In: 14.414+/-335.059 χ^2/NDF:25.1/18

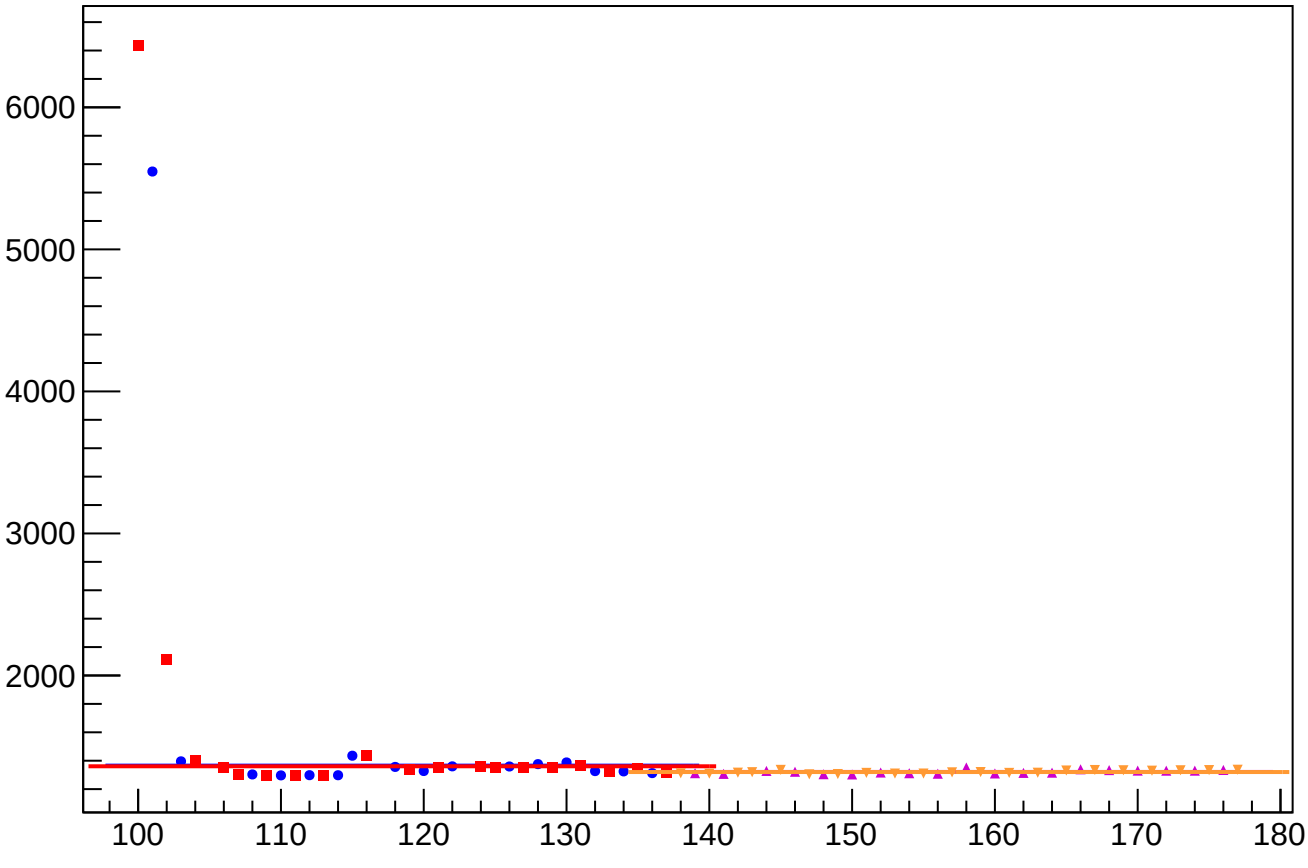
Left: -85.710+/-232.636 χ^2/NDF: 45.0/39

Right: 78.066+/-363.747 χ^2/NDF: 32.1/34

In: 124.241+/-281.837 χ^2/NDF:46.8/34

Out: -190.226+/-272.710 χ^2/NDF:29.8/39

All: -38.167+/-195.983 χ^2/NDF: 77.2/74



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1320.289+/-0.229 χ^2/NDF:2215.2/20

Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1320.865+/-0.237 χ^2/NDF:3027.5/18

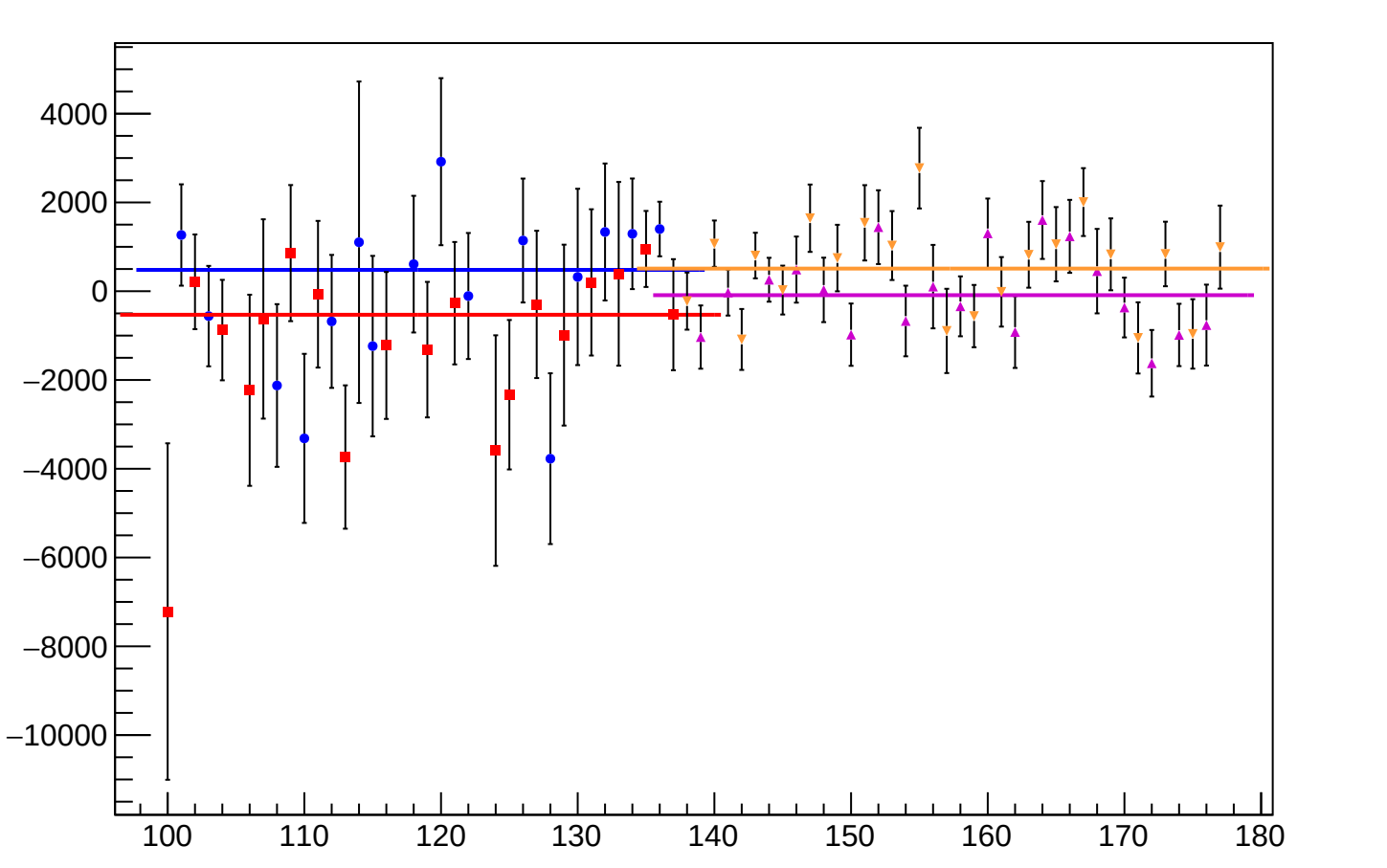
Left: 1320.567+/-0.164 χ^2/NDF: 5245.8/39

Right: 1362.978+/-0.257 χ^2/NDF: 964337.5/34

In: 1333.861+/-0.199 χ^2/NDF:772260.1/34

Out: 1331.958+/-0.193 χ^2/NDF:216572.5/39

All: 1332.878+/-0.139 χ^2/NDF: 988879.6/74



Right In: 480.400+/-336.519 χ^2/NDF: 18.6/15

Left Out: 509.576+/-157.040 χ^2/NDF:36.8/20

Right Out: -530.531+/-346.104 χ^2/NDF: 15.6/18

Left In: -89.550+/-166.410 χ^2/NDF:26.0/18

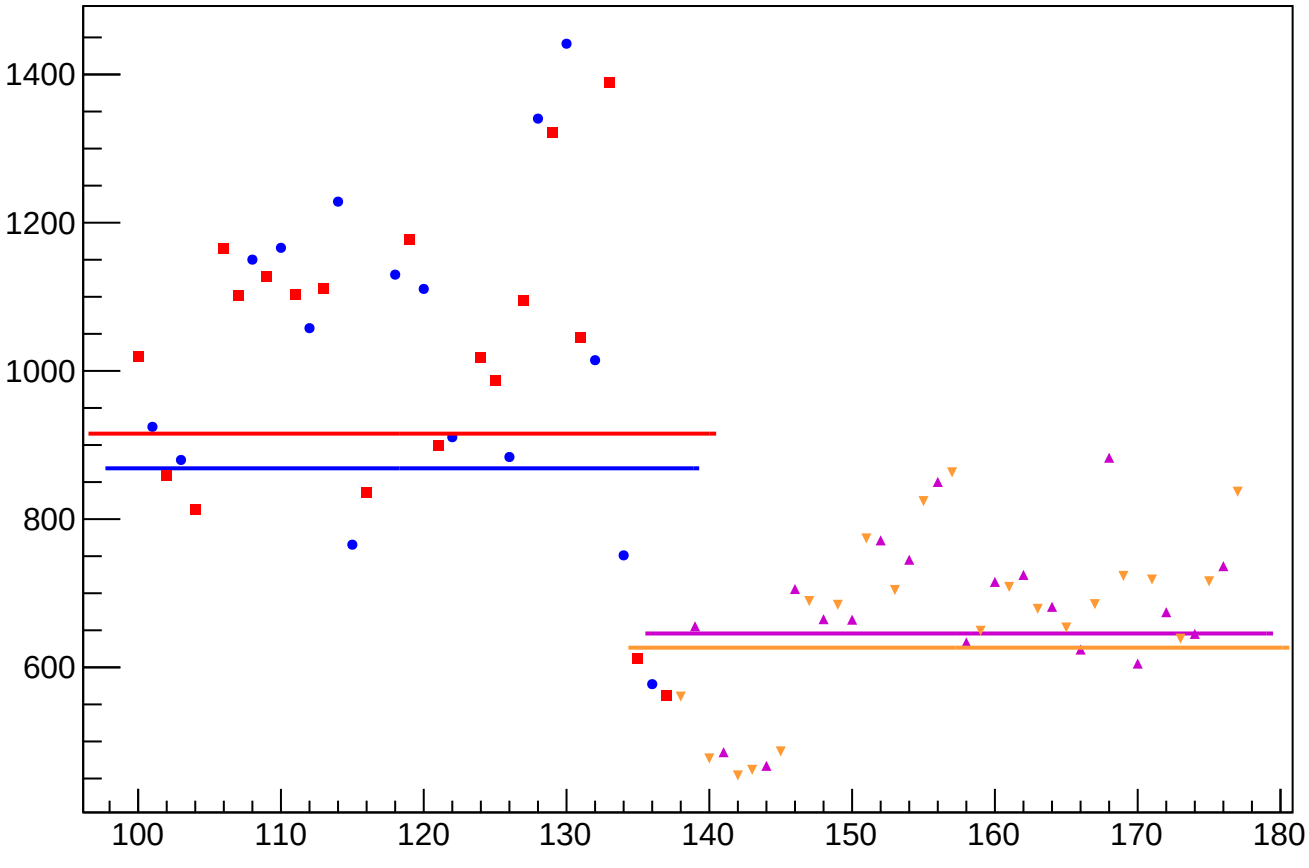
Left: 227.355+/-114.213 χ^2/NDF: 69.6/39

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 22.437+/-149.168 χ^2/NDF:46.9/34

Out: 332.002+/-143.007 χ^2/NDF:59.9/39

All: 183.744+/-103.231 χ^2/NDF: 109.1/74



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 626.563+/-0.111 χ^2/NDF:1202367.6/20

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

Left In: 645.706+/-0.118 χ^2/NDF:834139.4/18

Left: 635.581+/-0.081 χ^2/NDF: 2050506.1/39

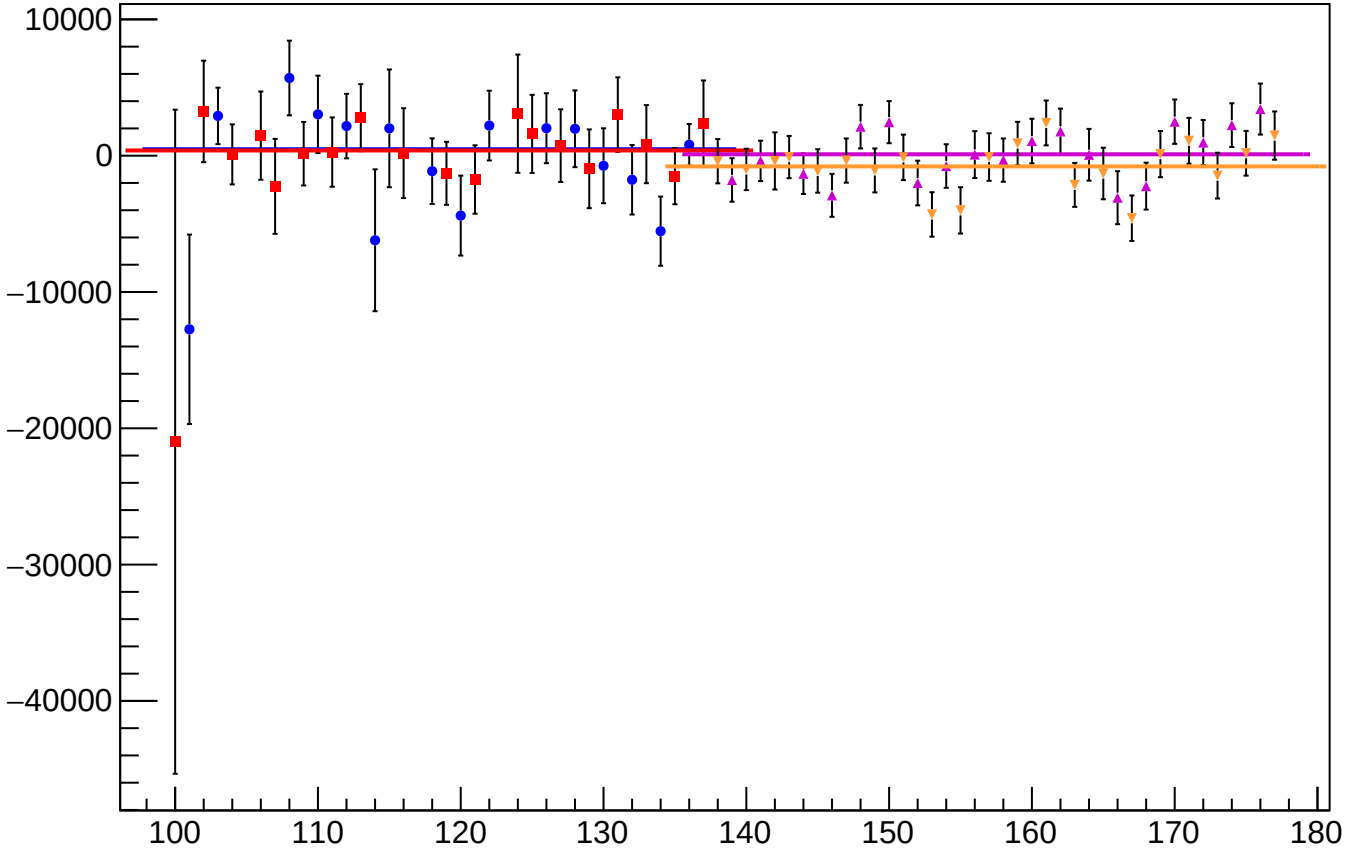
Right: 891.307+/-0.171 χ^2/NDF: 1899032.0/34

In: 689.496+/-0.105 χ^2/NDF:2560298.3/34

Out: 675.869+/-0.101 χ^2/NDF:3216035.9/39

All: 682.395+/-0.073 χ^2/NDF: 5785031.9/74

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -786.487+/-363.546 χ^2/NDF:23.6/20

Right Out: 384.785+/-641.994 χ^2/NDF: 7.3/18

Left In: 101.974+/-376.713 χ^2/NDF:25.3/18

Left: -358.054+/-261.597 χ^2/NDF: 51.7/39

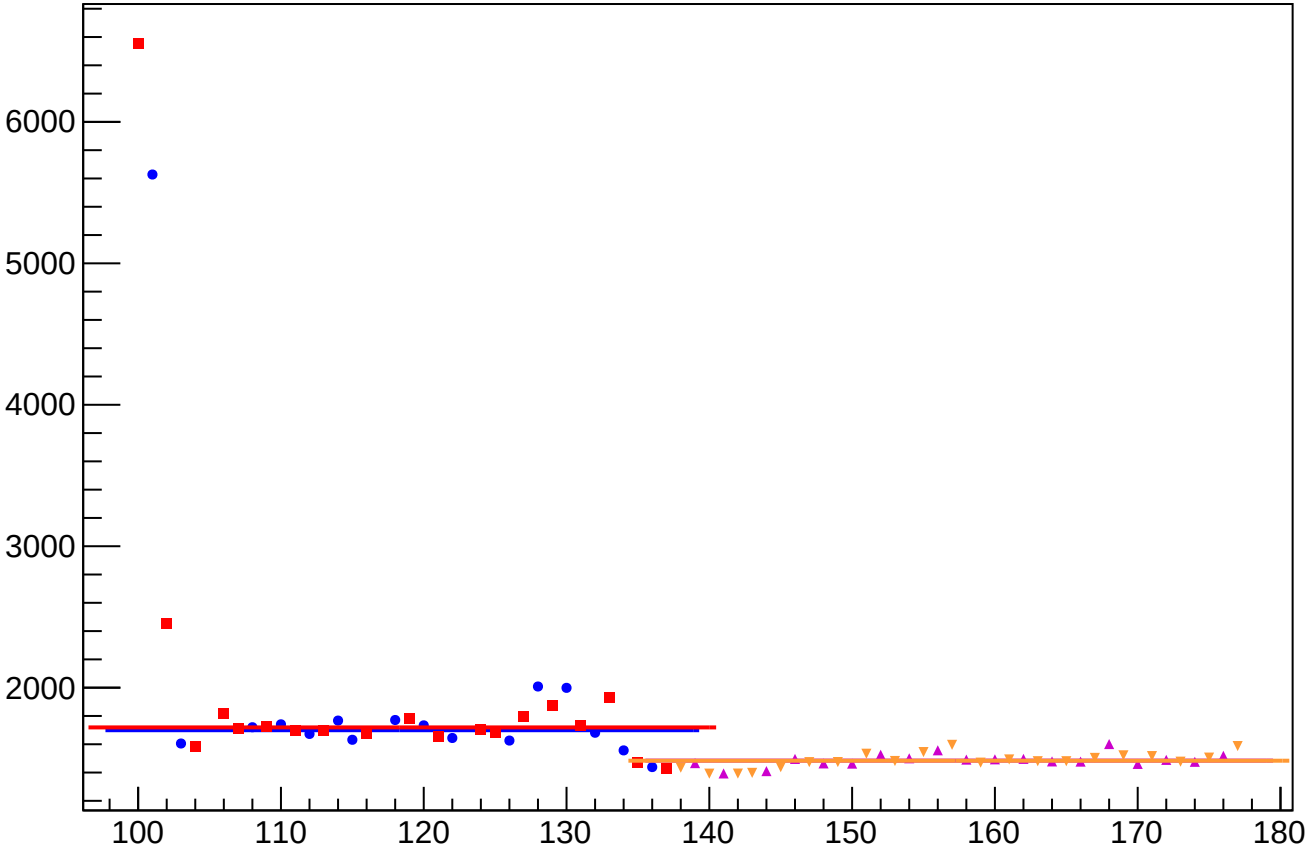
Right: 428.642+/-456.500 χ^2/NDF: 30.0/34

In: 195.550+/-325.835 χ^2/NDF:48.2/34

Out: -502.093+/-316.346 χ^2/NDF:33.3/39

All: -163.578+/-226.971 χ^2/NDF: 83.9/74

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1483.683+/-0.257 χ^2/NDF:42942.3/20

Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1484.278+/-0.266 χ^2/NDF:29271.6/18

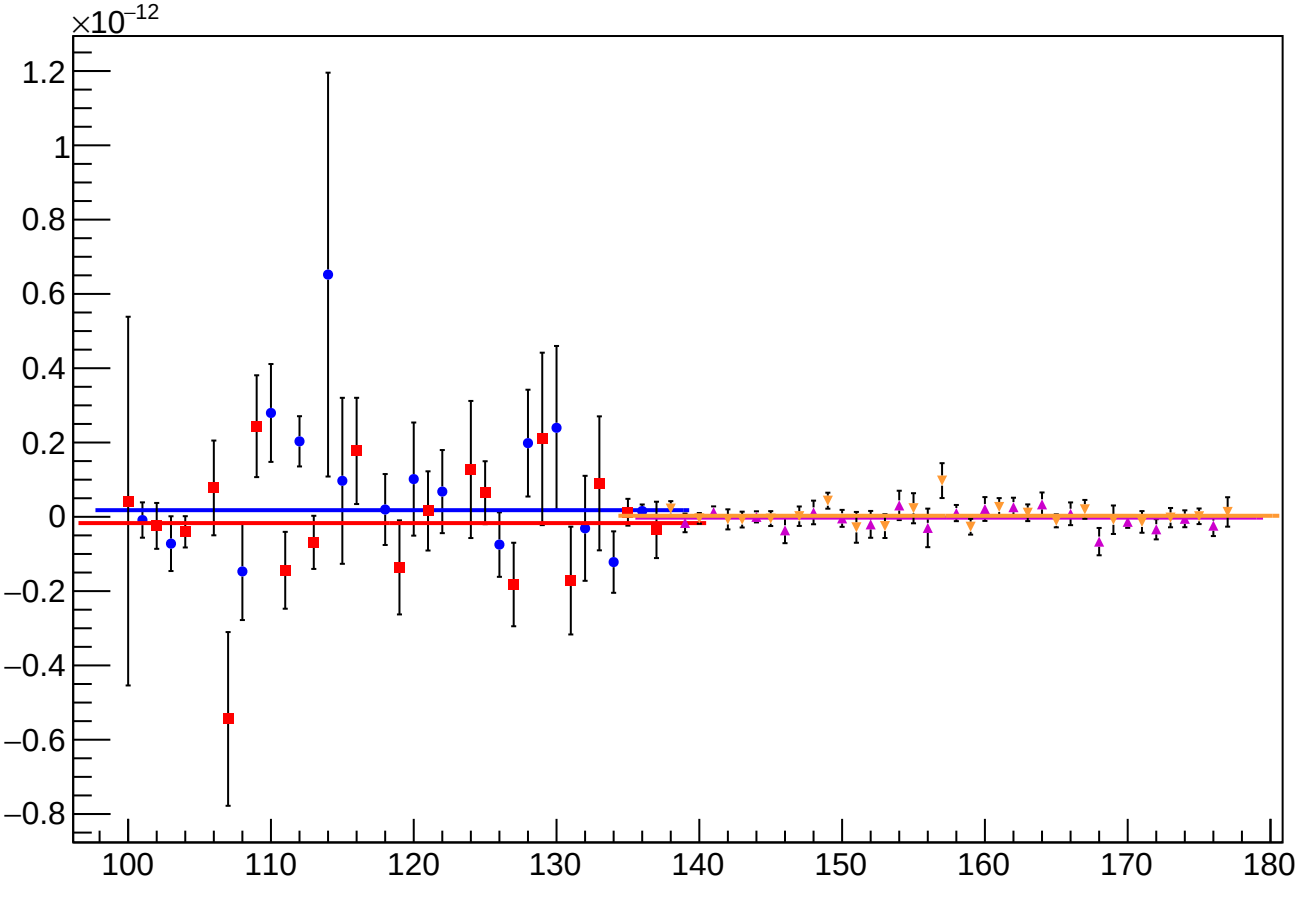
Left: 1483.970+/-0.185 χ^2/NDF: 72216.5/39

Right: 1709.327+/-0.323 χ^2/NDF: 996787.3/34

In: 1538.443+/-0.230 χ^2/NDF:955533.4/34

Out: 1540.845+/-0.224 χ^2/NDF:480333.7/39

All: 1539.679+/-0.160 χ^2/NDF: 1435922.9/74



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.5/20

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:12.6/18

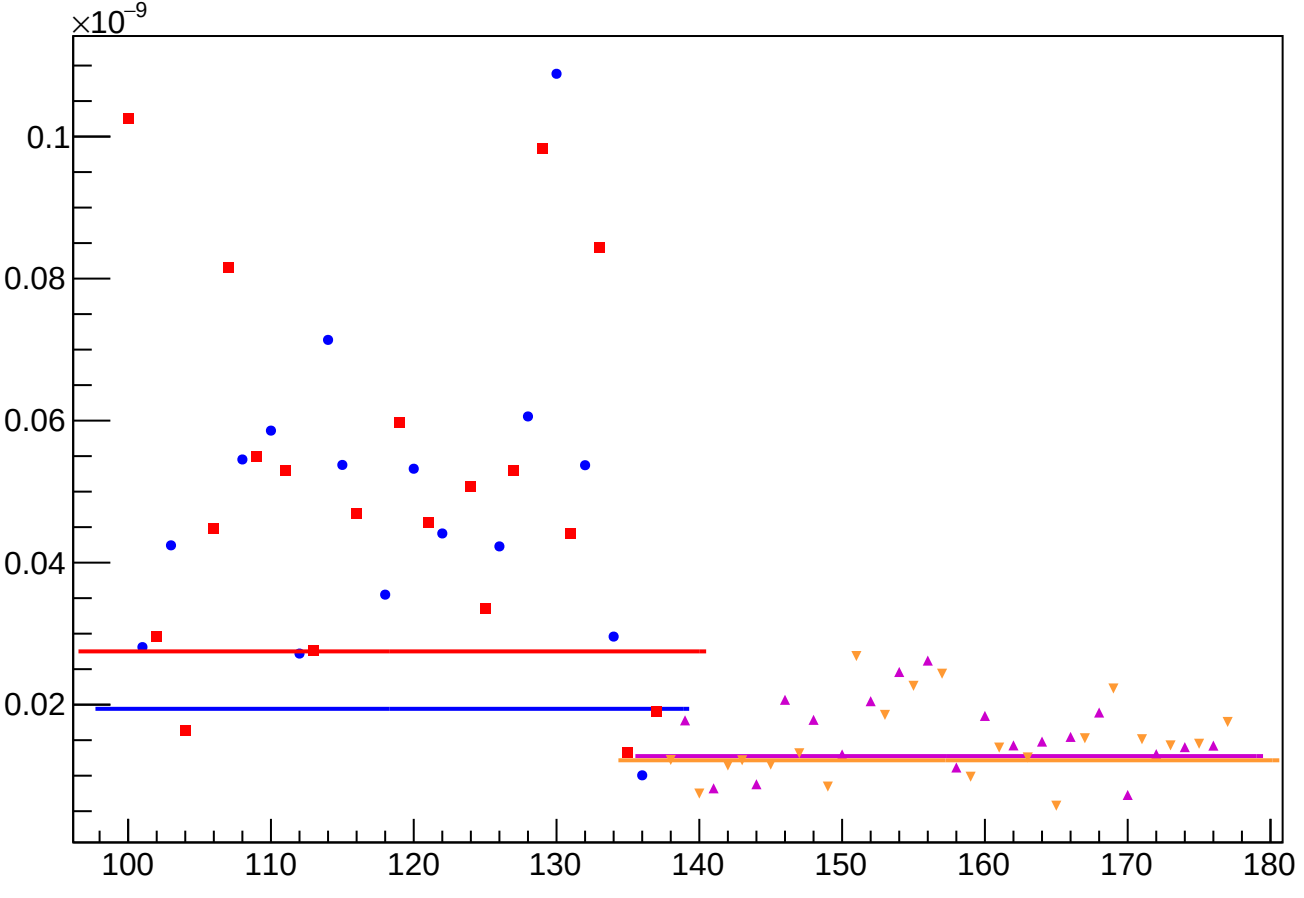
Left: 0.000+/-0.000 χ^2/NDF: 28.4/39

Right: 0.000+/-0.000 χ^2/NDF: 47.0/34

In: 0.000+/-0.000 χ^2/NDF:37.8/34

Out: 0.000+/-0.000 χ^2/NDF:37.8/39

All: 0.000+/-0.000 χ^2/NDF: 75.6/74



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1443957.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1350694.5/18

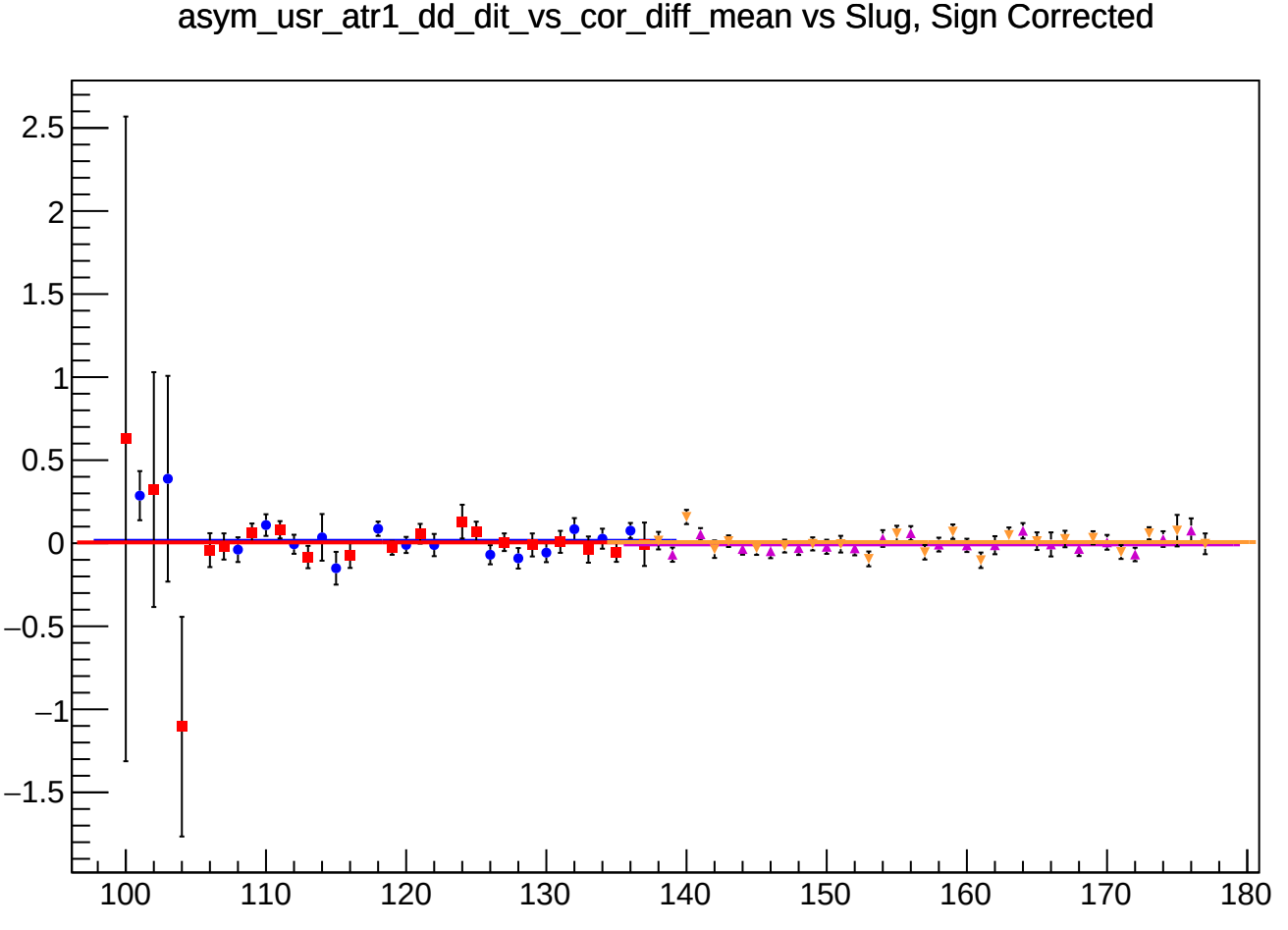
Left: 0.000+/-0.000 χ^2/NDF: 2806497.3/39

Right: 0.000+/-0.000 χ^2/NDF: 4153449.9/34

In: 0.000+/-0.000 χ^2/NDF:3996980.4/34

Out: 0.000+/-0.000 χ^2/NDF:4292921.4/39

All: 0.000+/-0.000 χ^2/NDF: 8296319.7/74



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.007+/-0.010 χ^2/NDF:36.5/20

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.007+/-0.010 χ^2/NDF:17.6/18

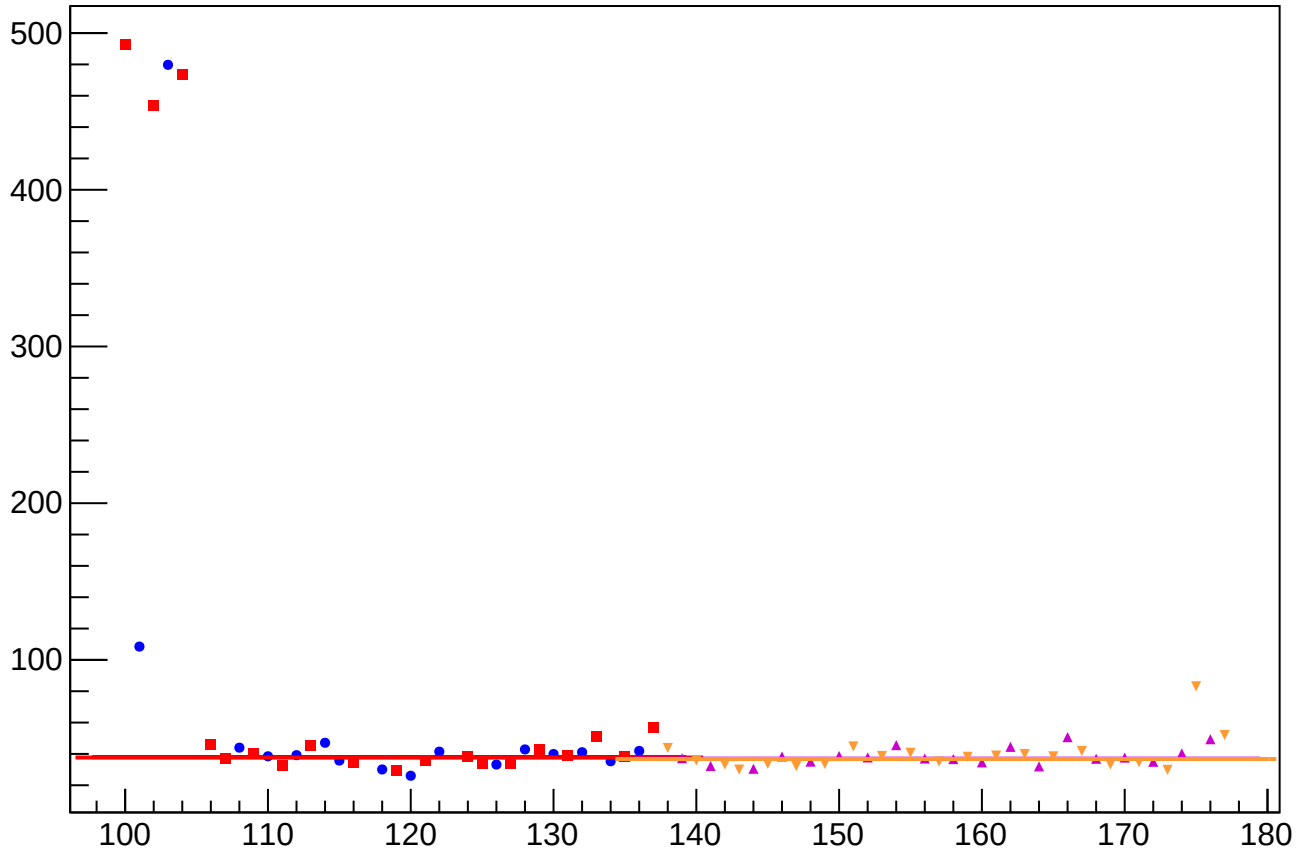
Left: 0.000+/-0.007 χ^2/NDF: 55.1/39

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.001+/-0.009 χ^2/NDF:40.9/34

Out: 0.006+/-0.008 χ^2/NDF:51.3/39

All: 0.003+/-0.006 χ^2/NDF: 92.7/74



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 36.739+/-0.007 χ^2/NDF:970218.1/20

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.980+/-0.007 χ^2/NDF:383230.2/18

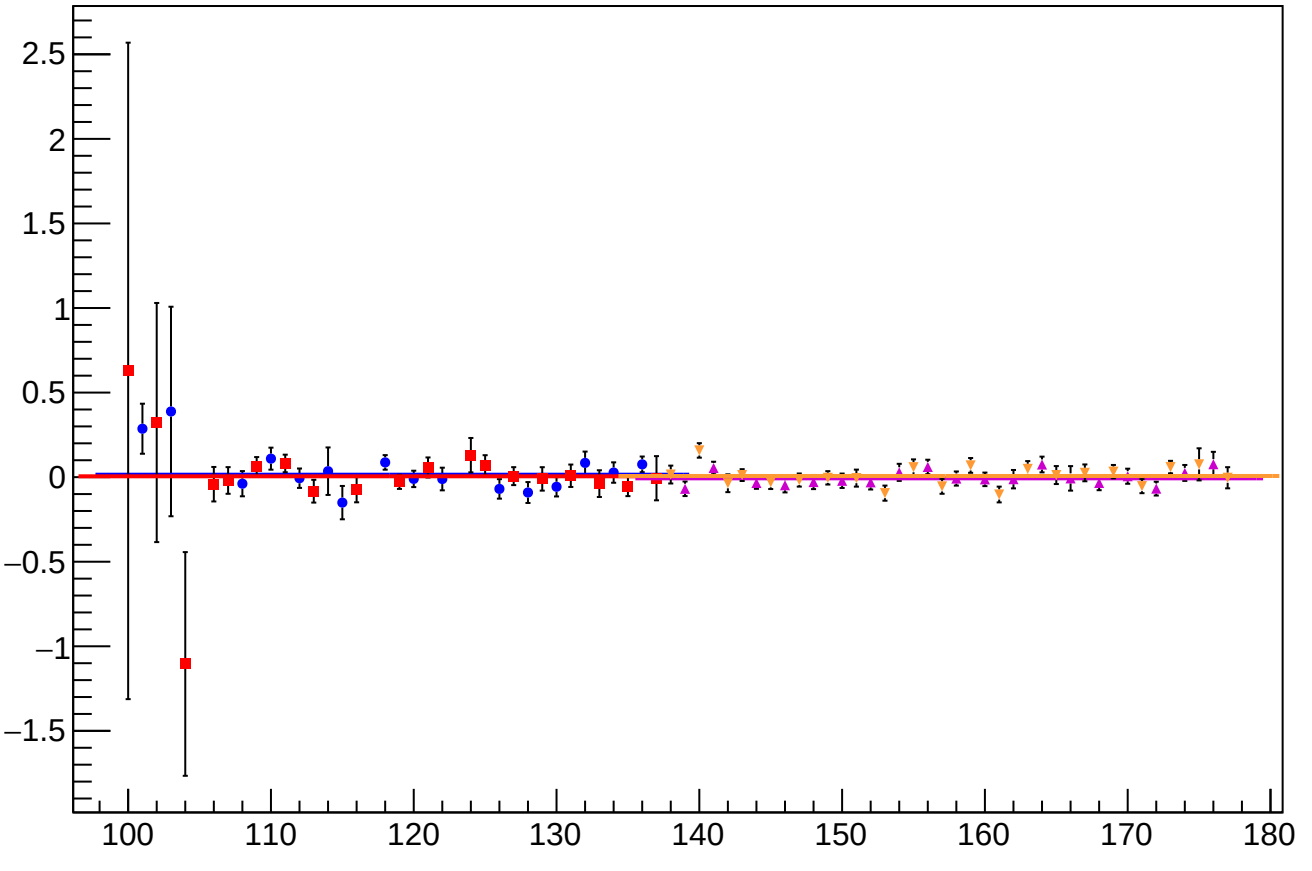
Left: 36.856+/-0.005 χ^2/NDF: 1354032.9/39

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 37.257+/-0.006 χ^2/NDF:2128095.9/34

Out: 36.999+/-0.006 χ^2/NDF:2920275.7/39

All: 37.125+/-0.004 χ^2/NDF: 5049302.0/74



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.007+/-0.010 χ^2/NDF:36.5/20

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.007+/-0.010 χ^2/NDF:17.6/18

Left: 0.000+/-0.007 χ^2/NDF: 55.1/39

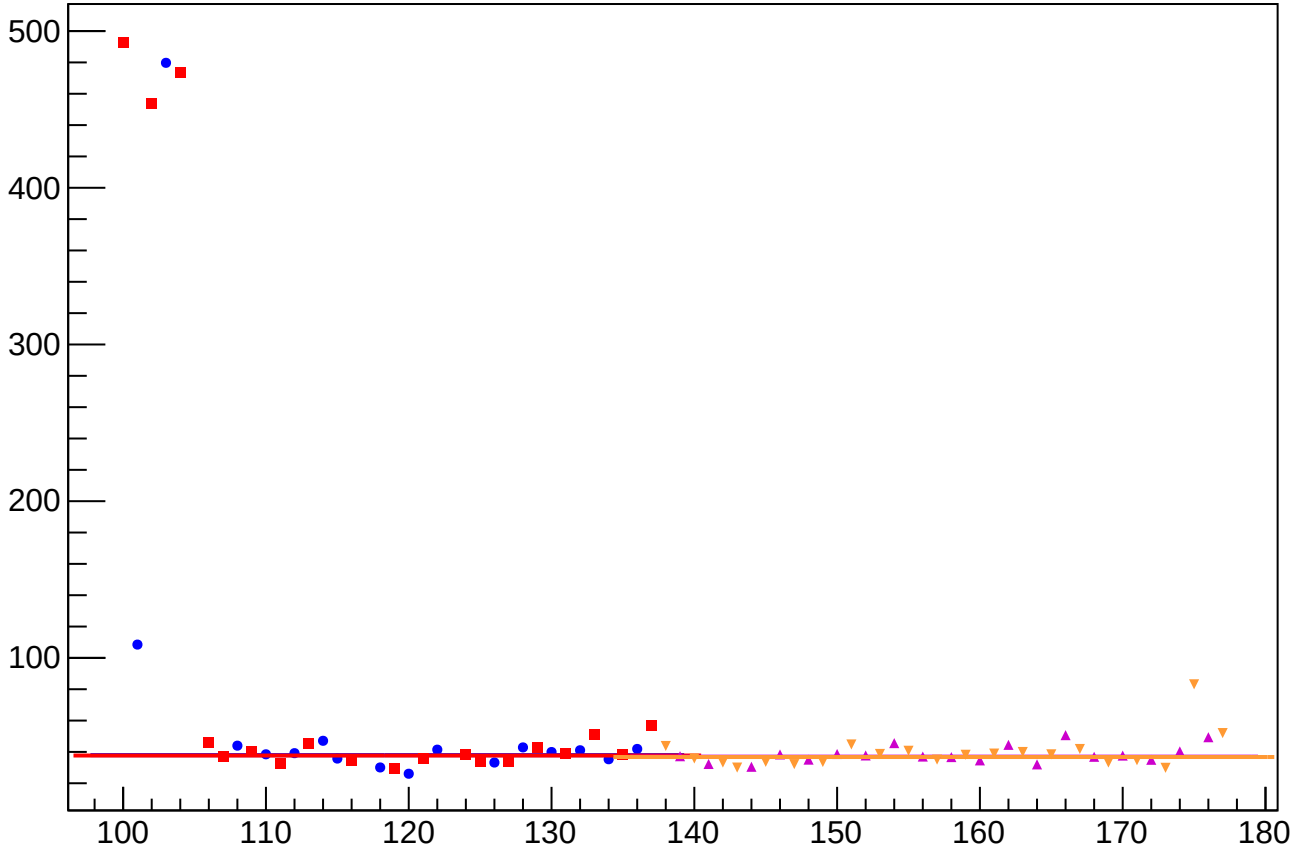
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.001+/-0.009 χ^2/NDF:40.9/34

Out: 0.006+/-0.008 χ^2/NDF:51.3/39

All: 0.003+/-0.006 χ^2/NDF: 92.7/74

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 36.739+/-0.007 χ^2/NDF:970218.1/20

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.980+/-0.007 χ^2/NDF:383230.2/18

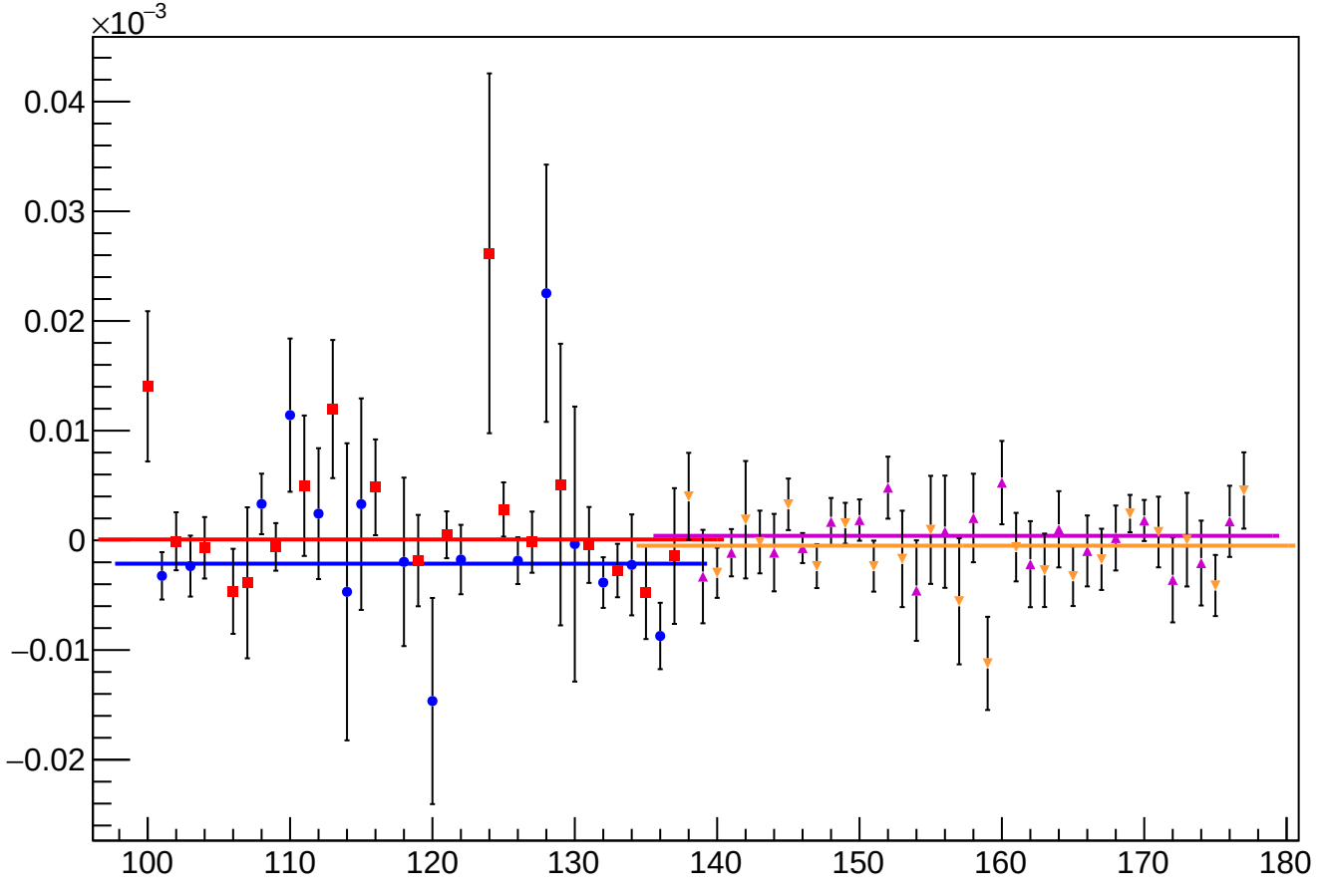
Left: 36.856+/-0.005 χ^2/NDF: 1354032.9/39

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 37.257+/-0.006 χ^2/NDF:2128095.9/34

Out: 36.999+/-0.006 χ^2/NDF:2920275.7/39

All: 37.125+/-0.004 χ^2/NDF: 5049302.0/74



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:11.3/18

Left: -0.000+/-0.000 χ^2/NDF: 36.2/39

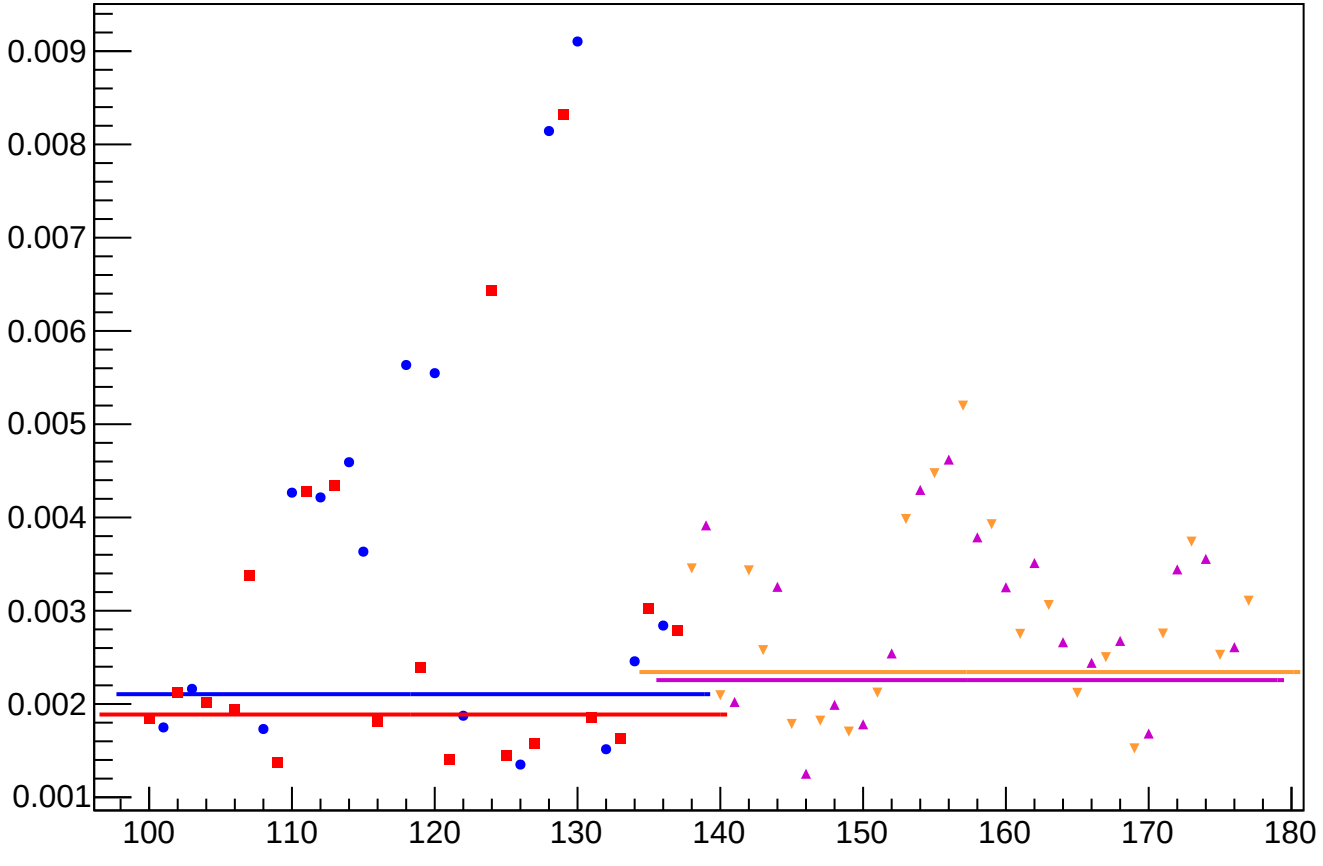
Right: -0.000+/-0.000 χ^2/NDF: 42.2/34

In: -0.000+/-0.000 χ^2/NDF:37.1/34

Out: -0.000+/-0.000 χ^2/NDF:42.6/39

All: -0.000+/-0.000 χ^2/NDF: 79.7/74

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:3162101.5/20

Right Out: 0.002+/-0.000 χ^2/NDF: 1892000.0/18

Left In: 0.002+/-0.000 χ^2/NDF:3891116.1/18

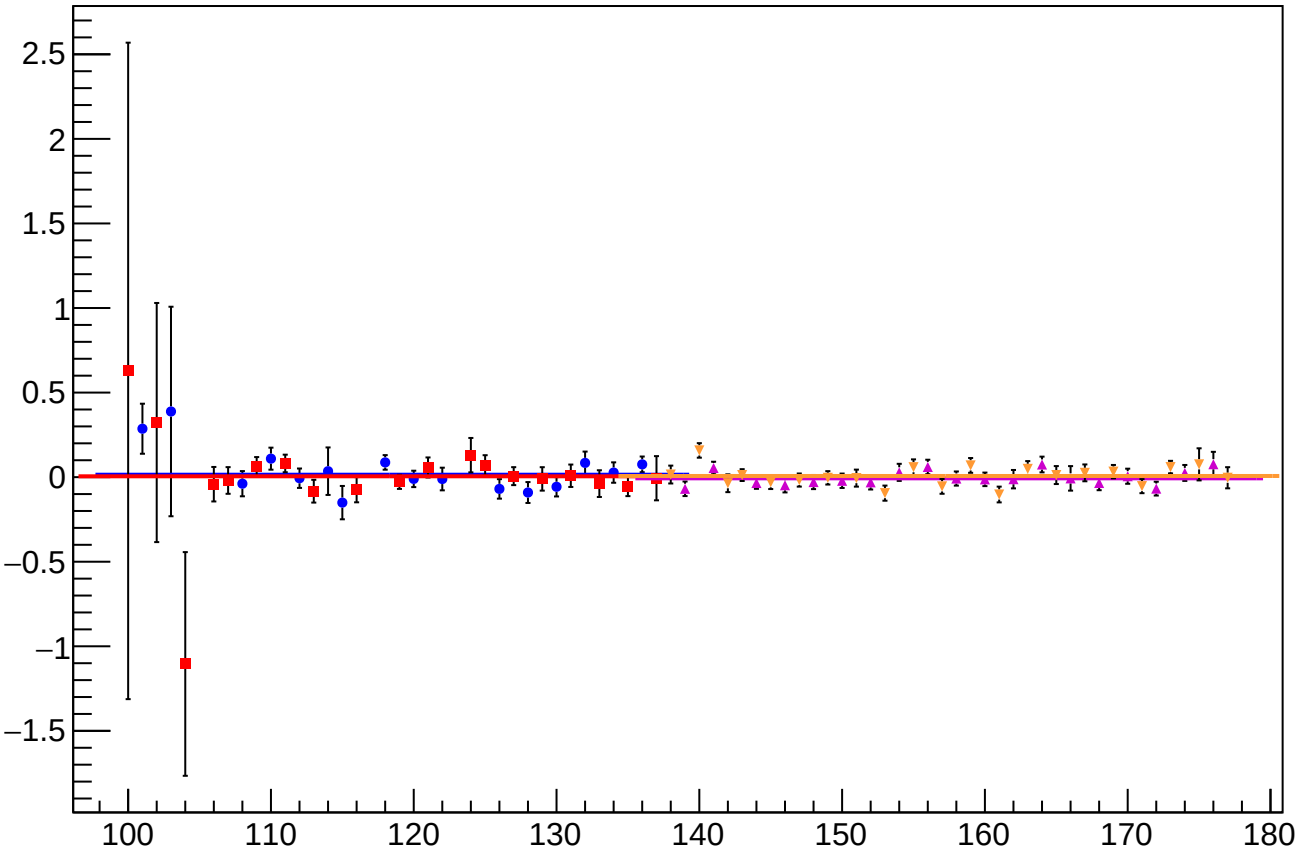
Left: 0.002+/-0.000 χ^2/NDF: 7072850.9/39

Right: 0.002+/-0.000 χ^2/NDF: 4976274.3/34

In: 0.002+/-0.000 χ^2/NDF:6946967.9/34

Out: 0.002+/-0.000 χ^2/NDF:5469325.5/39

All: 0.002+/-0.000 χ^2/NDF: 12421570.0/74



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.007+/-0.010 χ^2/NDF:36.5/20

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.007+/-0.010 χ^2/NDF:17.6/18

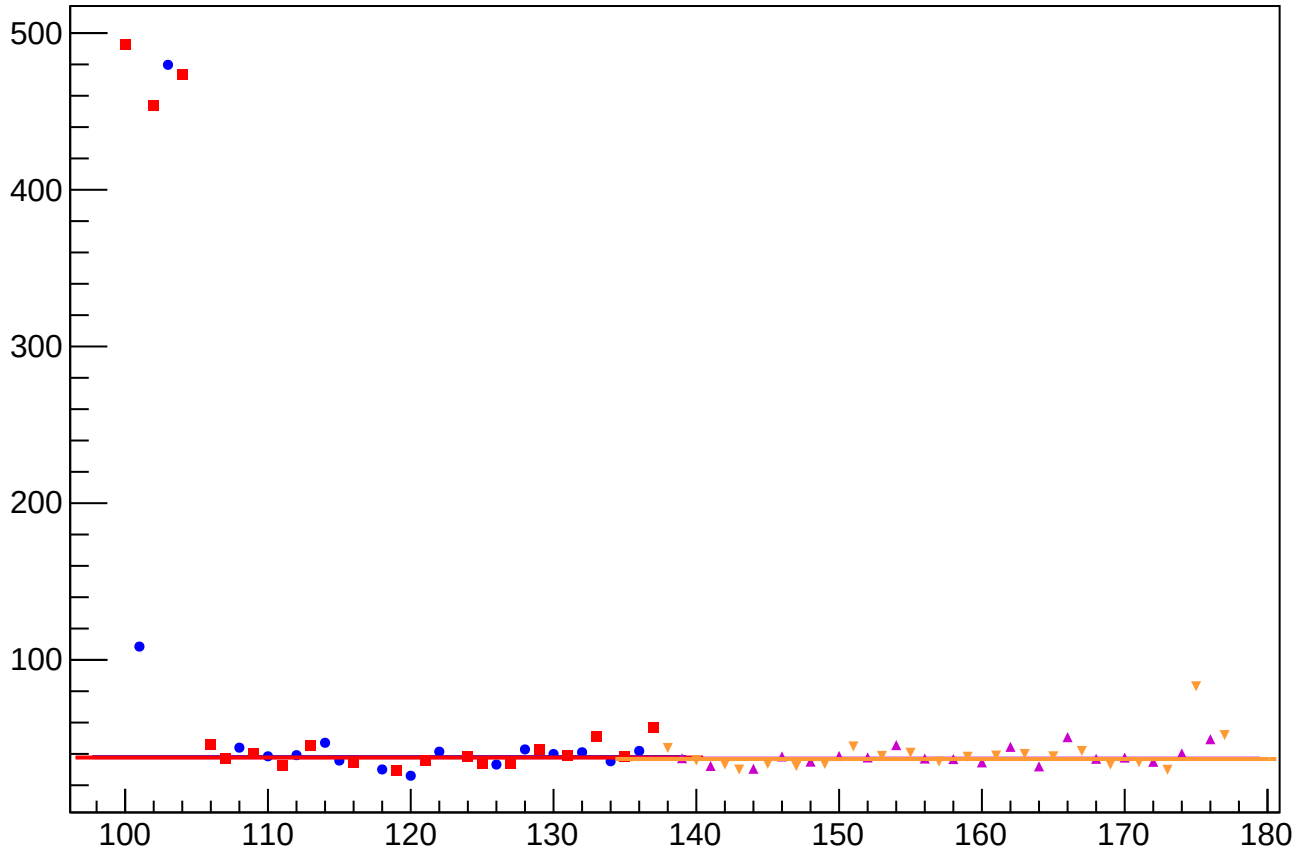
Left: 0.000+/-0.007 χ^2/NDF: 55.1/39

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.001+/-0.009 χ^2/NDF:40.9/34

Out: 0.006+/-0.008 χ^2/NDF:51.3/39

All: 0.003+/-0.006 χ^2/NDF: 92.7/74



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 36.739+/-0.007 χ^2/NDF:970235.2/20

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.980+/-0.007 χ^2/NDF:383272.8/18

Left: 36.856+/-0.005 χ^2/NDF: 1354091.8/39

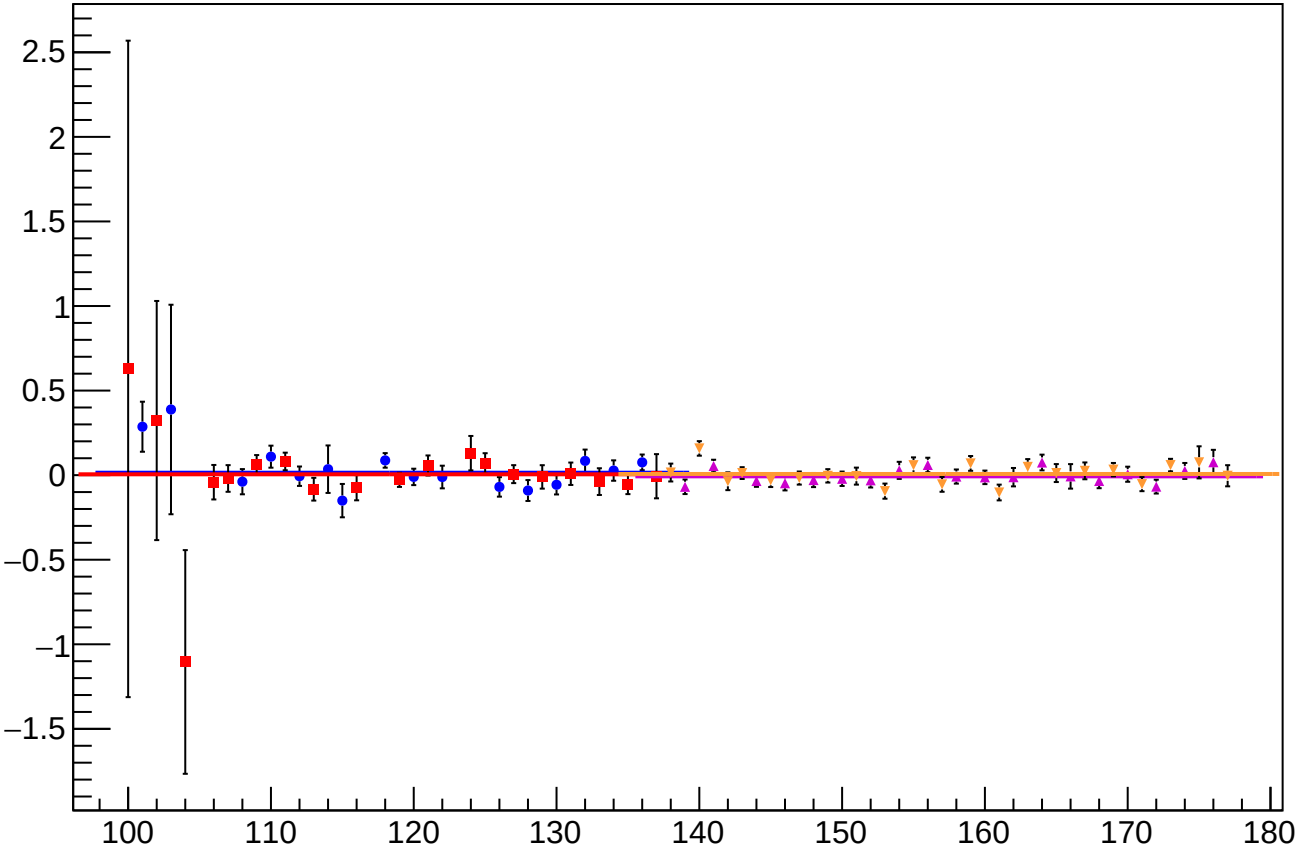
Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 37.257+/-0.006 χ^2/NDF:2128148.2/34

Out: 36.999+/-0.006 χ^2/NDF:2920358.5/39

All: 37.125+/-0.004 χ^2/NDF: 5049437.4/74

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:36.5/20

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.007+/-0.010 χ^2/NDF:17.6/18

Left: 0.000+/-0.007 χ^2/NDF: 55.1/39

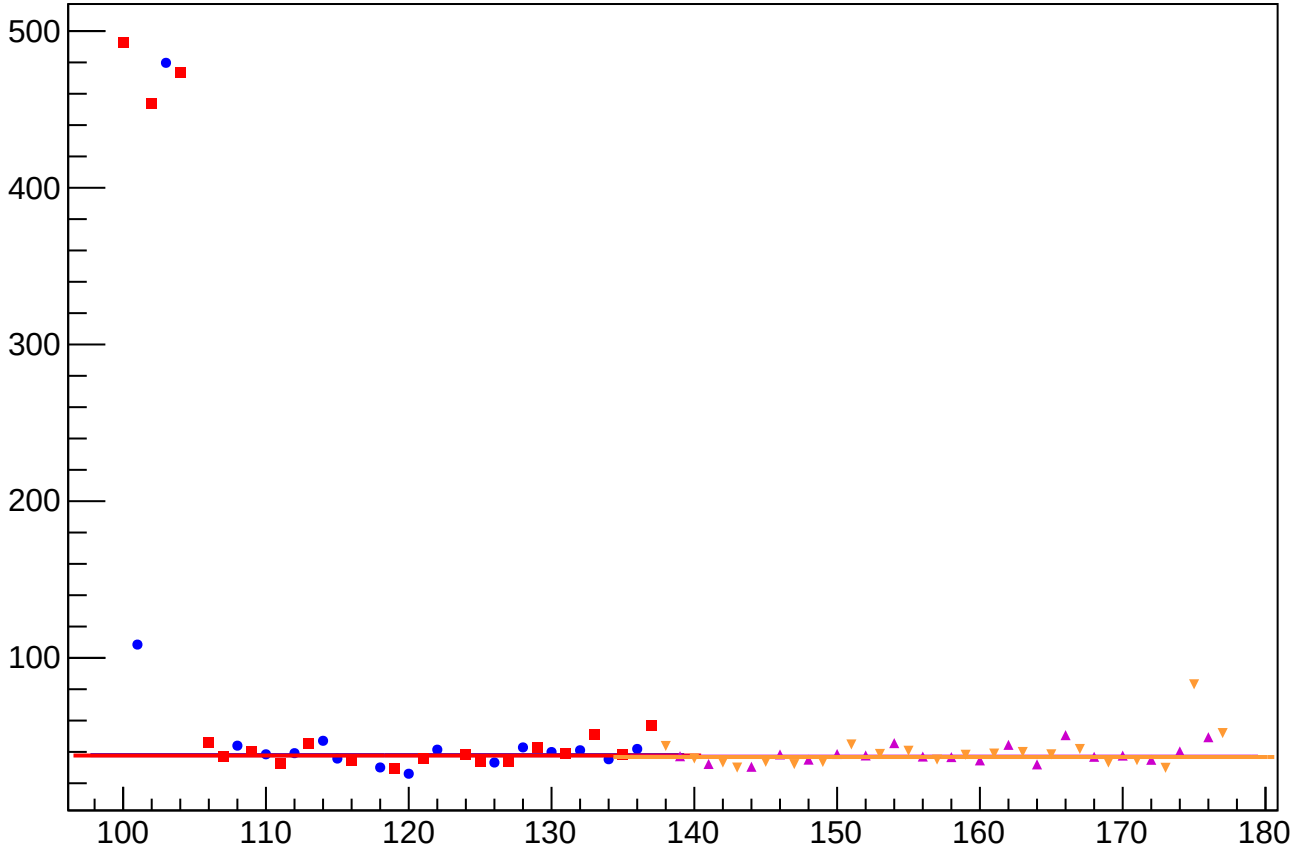
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.001+/-0.009 χ^2/NDF:40.9/34

Out: 0.006+/-0.008 χ^2/NDF:51.3/39

All: 0.003+/-0.006 χ^2/NDF: 92.7/74

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 36.739+/-0.007 χ^2/NDF:970235.2/20

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.980+/-0.007 χ^2/NDF:383272.8/18

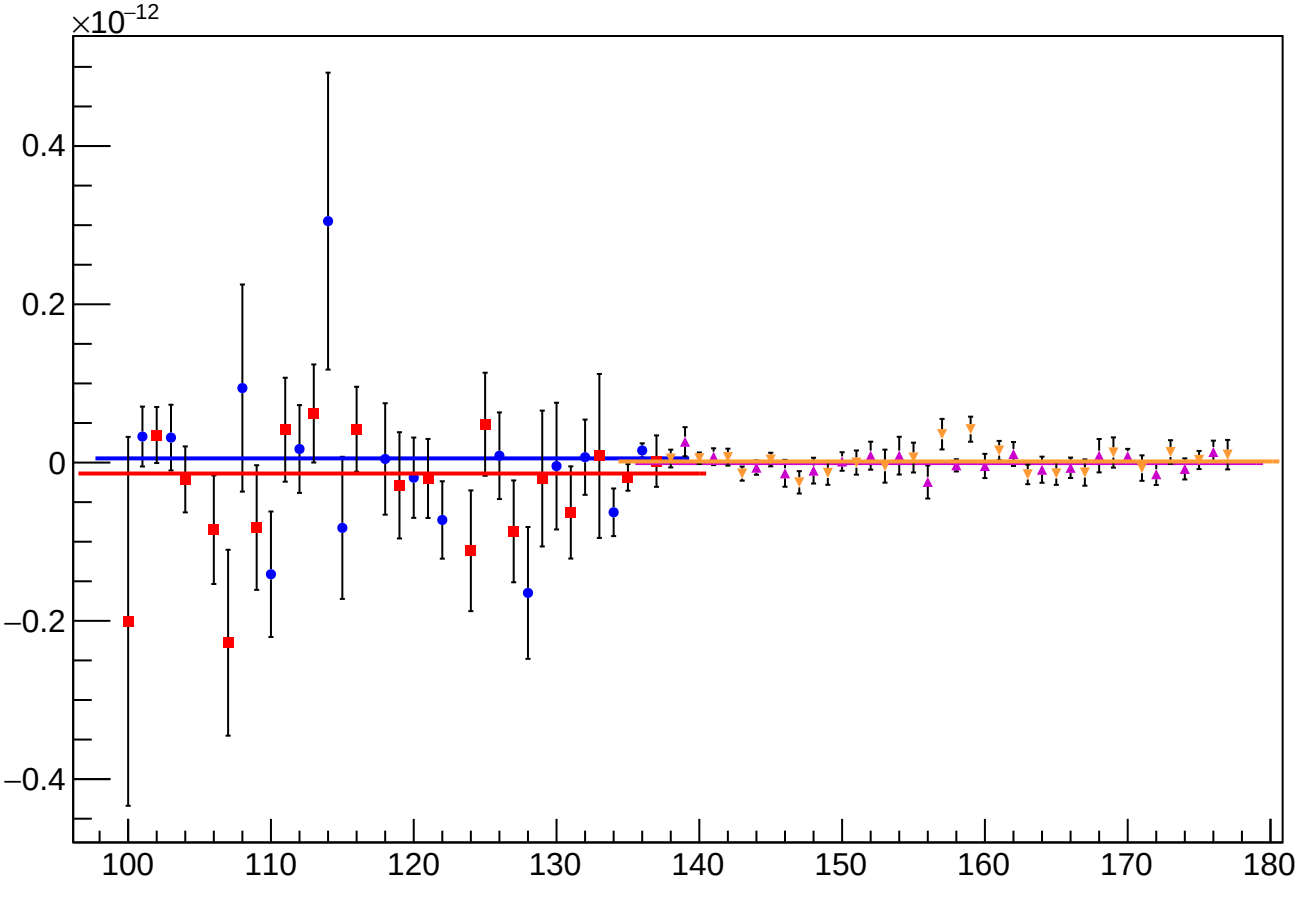
Left: 36.856+/-0.005 χ^2/NDF: 1354091.8/39

Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 37.257+/-0.006 χ^2/NDF:2128148.2/34

Out: 36.999+/-0.006 χ^2/NDF:2920358.5/39

All: 37.125+/-0.004 χ^2/NDF: 5049437.4/74



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.5/20

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

Left In: -0.000+/-0.000 χ^2/NDF:10.4/18

Left: 0.000+/-0.000 χ^2/NDF: 35.2/39

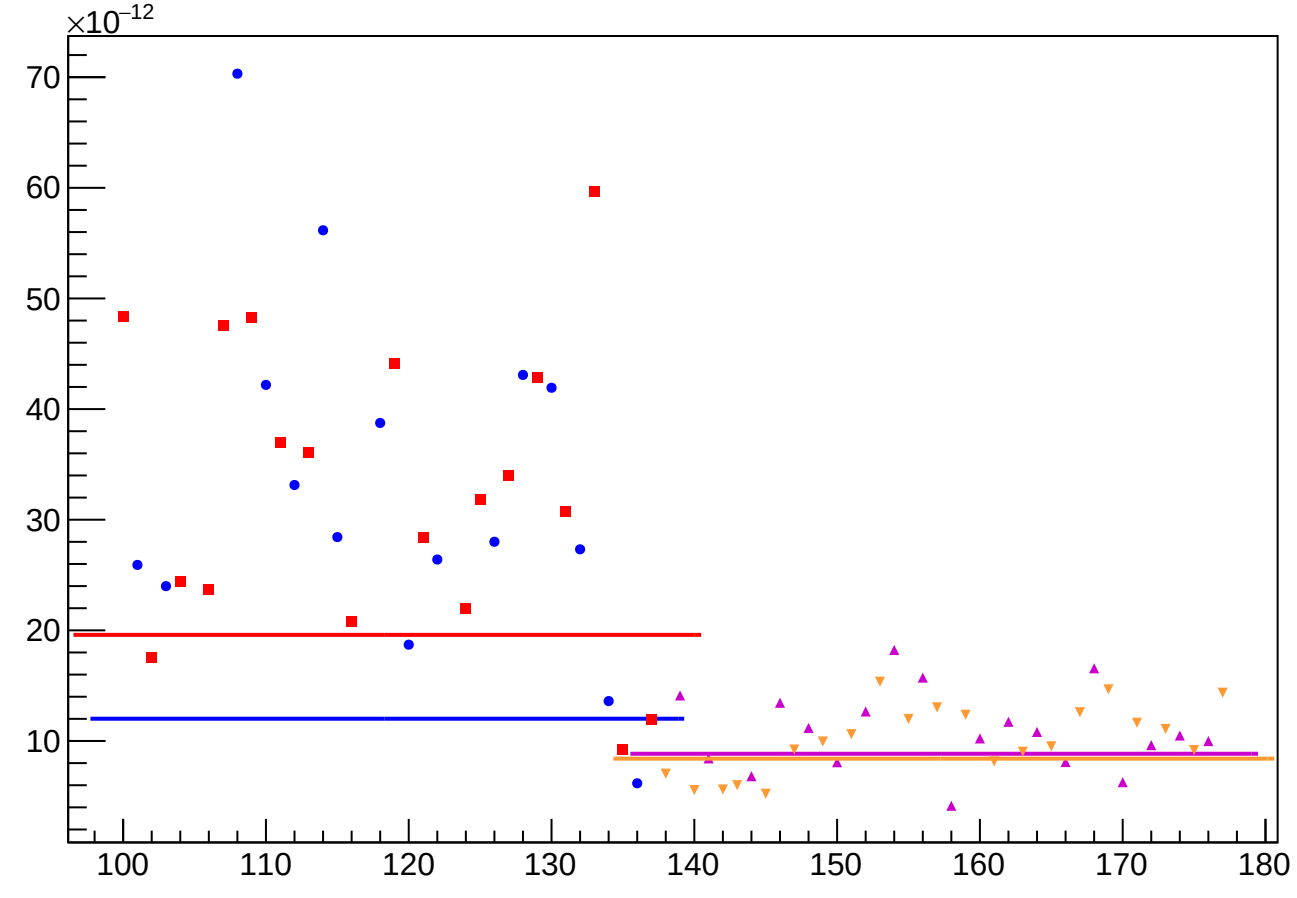
Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: 0.000+/-0.000 χ^2/NDF:32.6/34

Out: 0.000+/-0.000 χ^2/NDF:42.4/39

All: 0.000+/-0.000 χ^2/NDF: 75.0/74

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:2216546.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2619469.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2417279.8/18

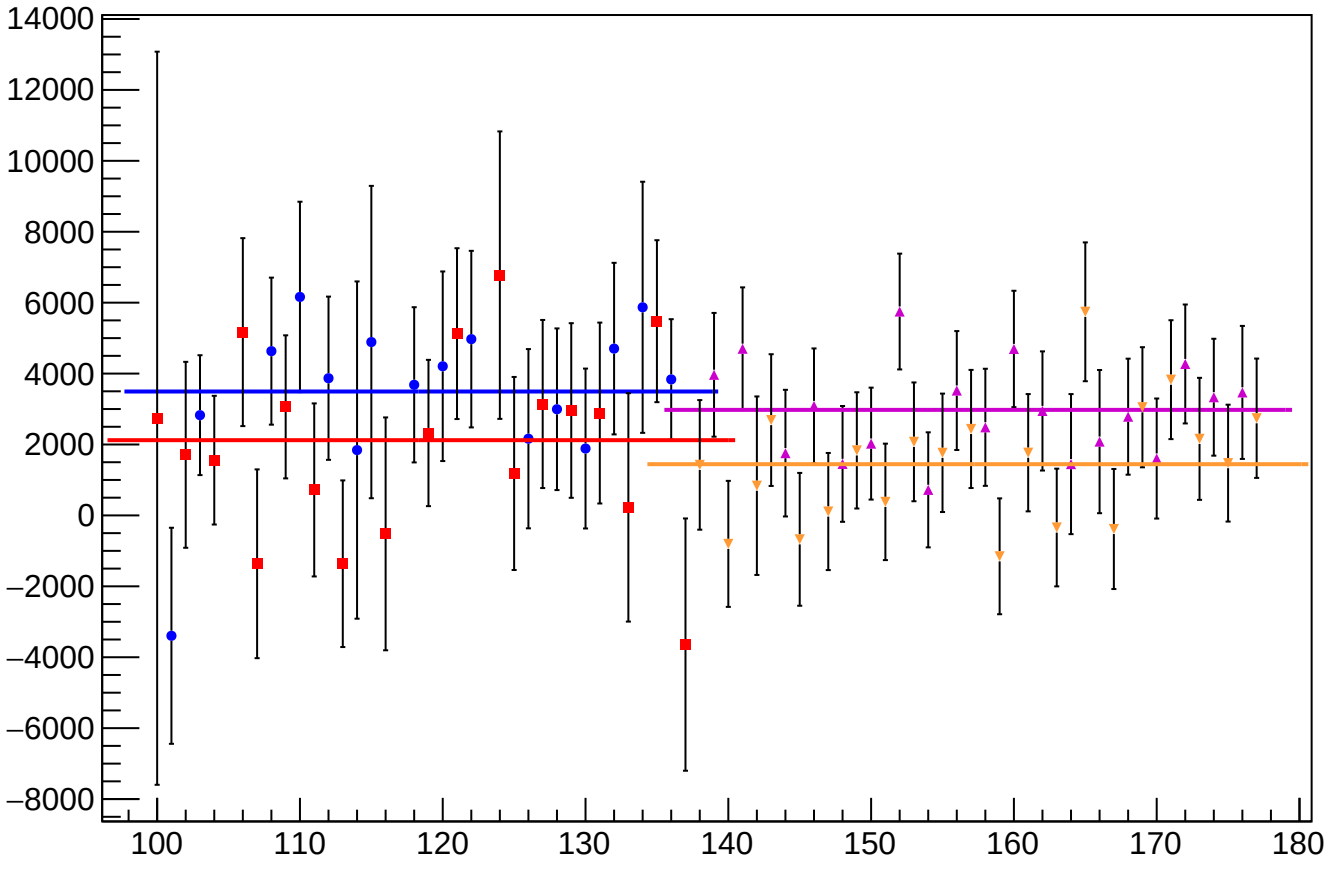
Left: 0.000+/-0.000 χ^2/NDF: 4657308.6/39

Right: 0.000+/-0.000 χ^2/NDF: 7170019.9/34

In: 0.000+/-0.000 χ^2/NDF:6589273.2/34

Out: 0.000+/-0.000 χ^2/NDF:6936972.9/39

All: 0.000+/-0.000 χ^2/NDF: 13529538.9/74



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1444.653+/-377.706 χ^2/NDF:18.4/20

Right Out: 2121.717+/-587.617 χ^2/NDF: 15.1/18

Left In: 2976.400+/-390.238 χ^2/NDF:11.3/18

Left: 2185.536+/-271.401 χ^2/NDF: 37.7/39

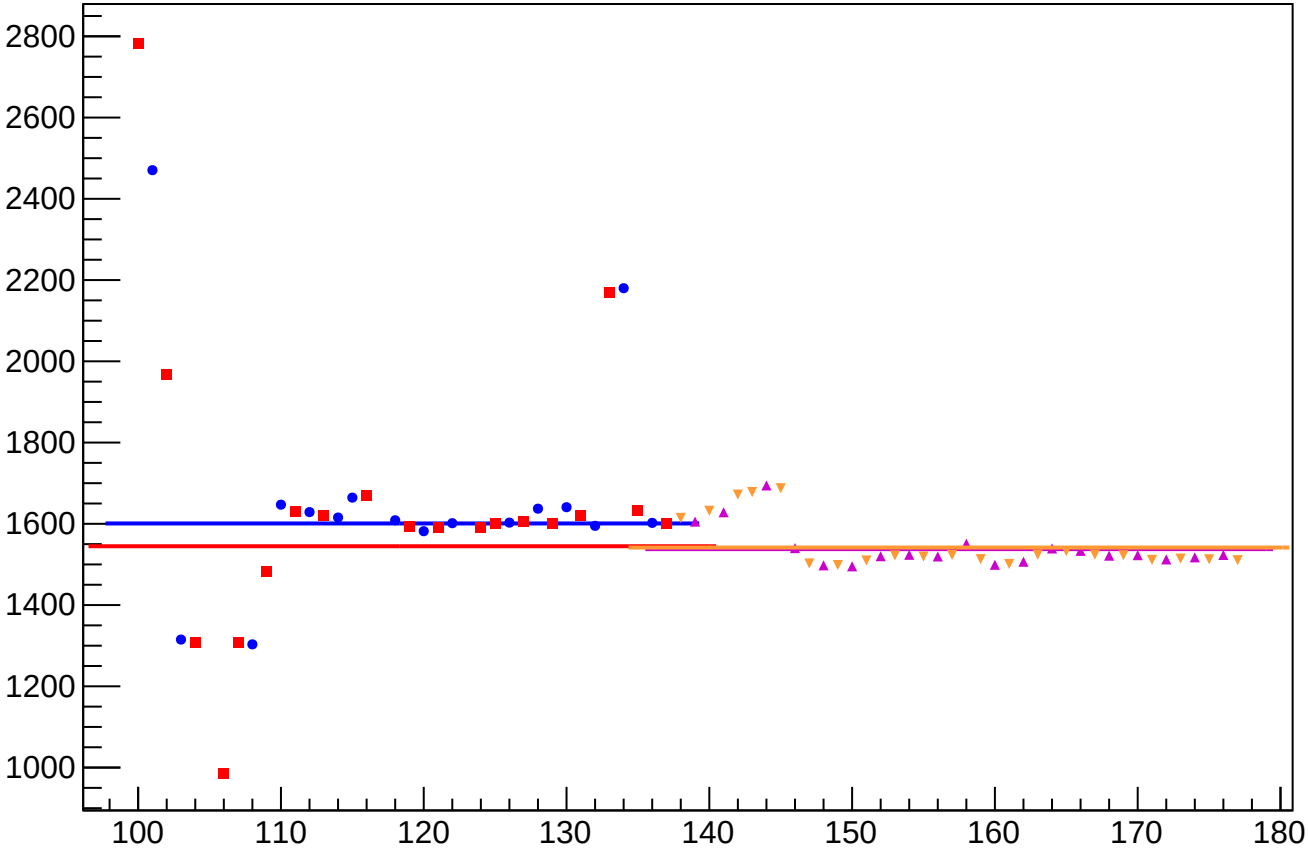
Right: 2792.384+/-420.223 χ^2/NDF: 26.6/34

In: 3129.952+/-327.325 χ^2/NDF:20.6/34

Out: 1642.603+/-317.730 χ^2/NDF:34.5/39

All: 2364.158+/-227.985 χ^2/NDF: 65.7/74

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1541.605+/-0.267 χ^2/NDF:45798.2/20

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

Left In: 1537.682+/-0.276 χ^2/NDF:30312.9/18

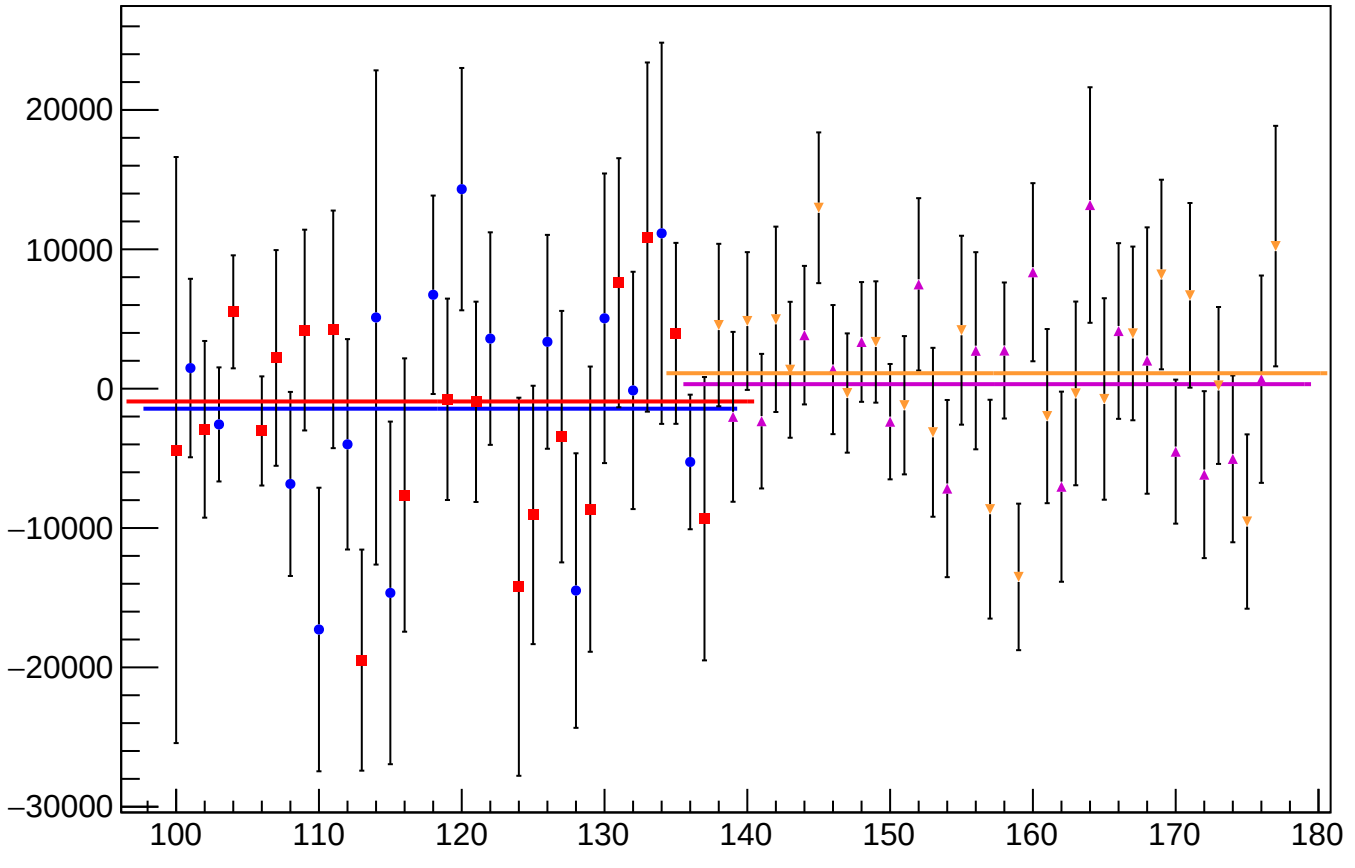
Left: 1539.707+/-0.192 χ^2/NDF: 76215.5/39

Right: 1571.734+/-0.295 χ^2/NDF: 702584.8/34

In: 1556.417+/-0.231 χ^2/NDF:363276.1/34

Out: 1542.564+/-0.224 χ^2/NDF:421968.7/39

All: 1549.250+/-0.161 χ^2/NDF: 787098.2/74



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 1108.173+/-1262.911 χ^2/NDF:23.0/20

Right Out: -918.485+/-1669.278 χ^2/NDF: 15.3/18

Left In: 322.882+/-1302.273 χ^2/NDF:13.3/18

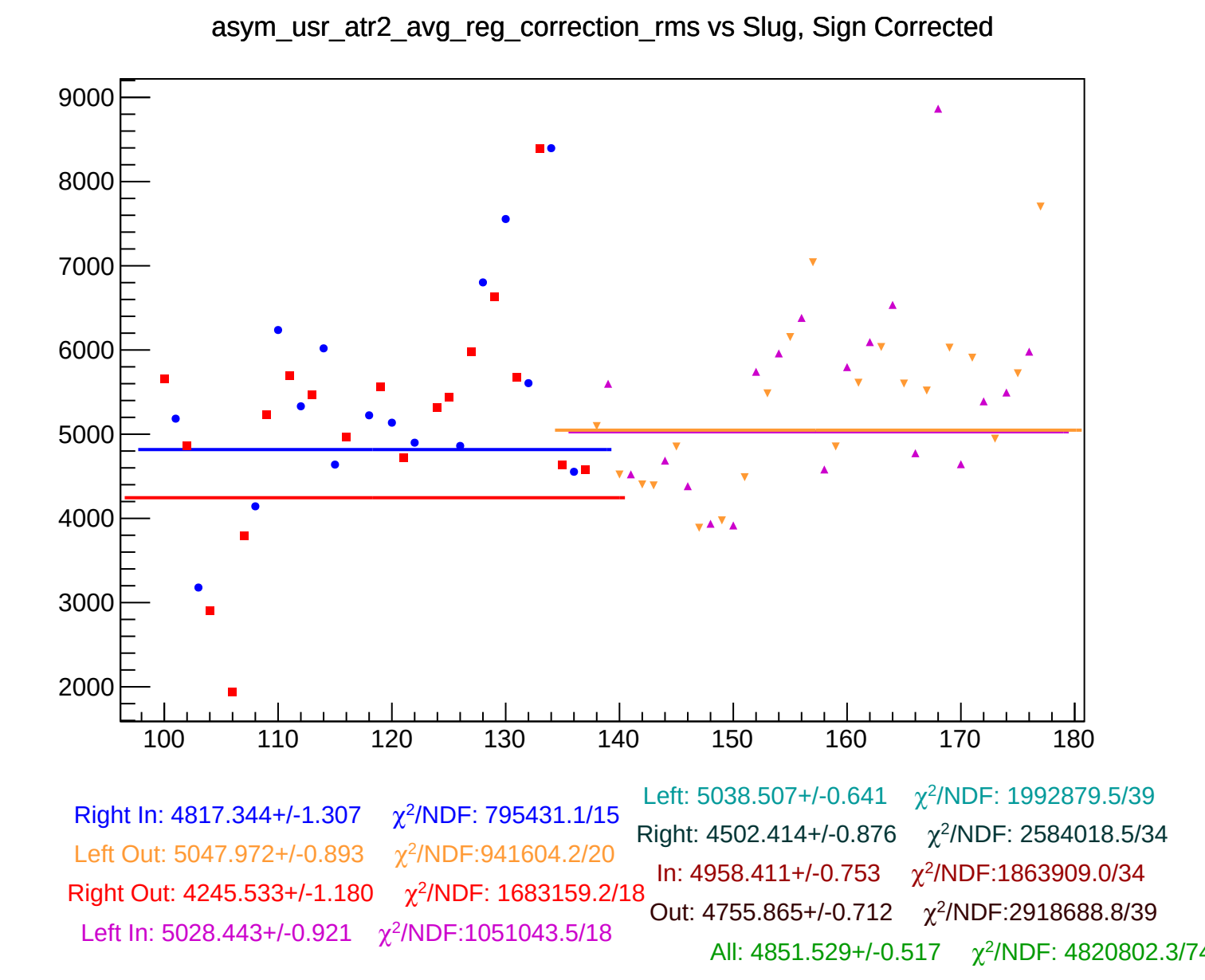
Left: 727.575+/-906.609 χ^2/NDF: 36.6/39

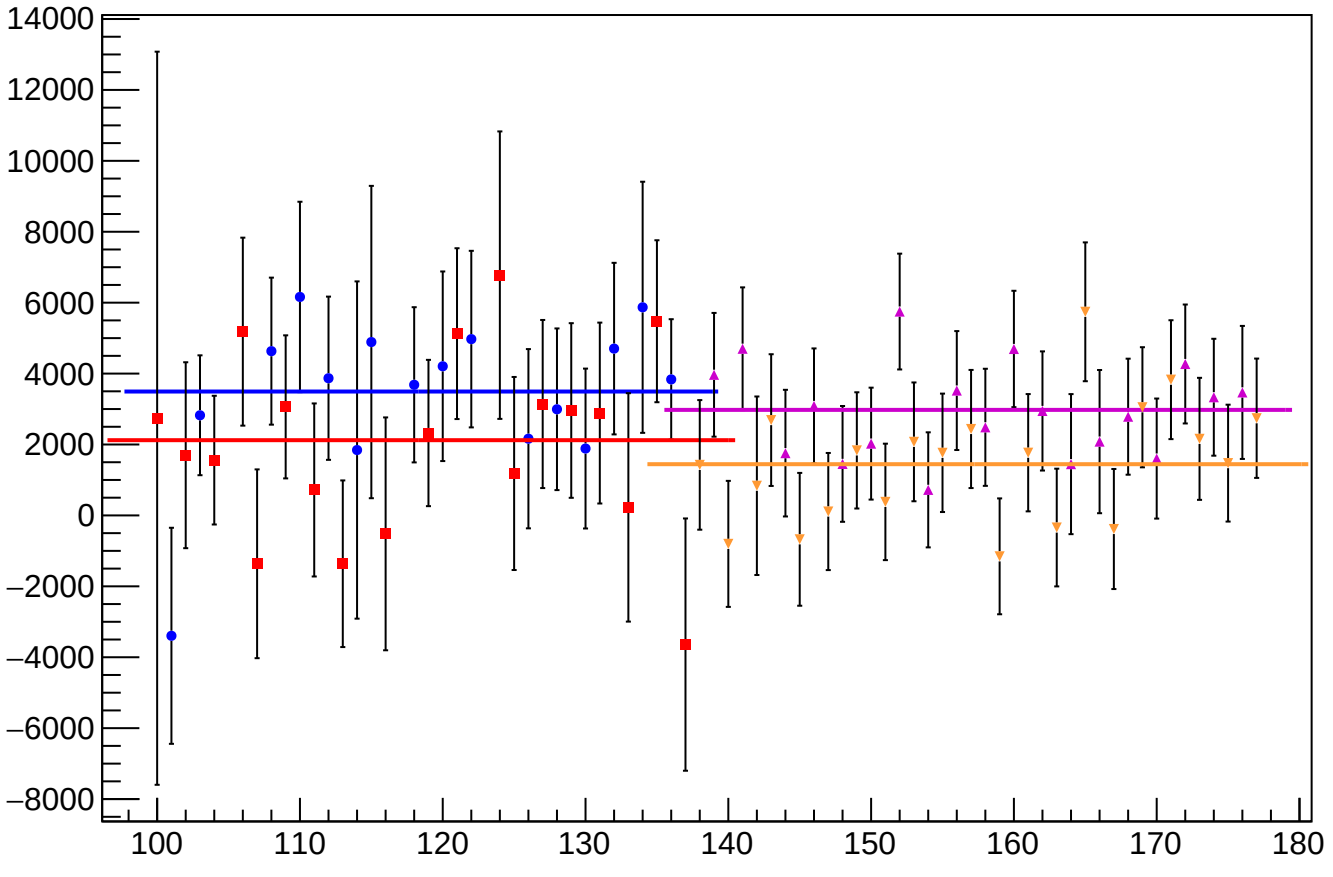
Right: -1151.477+/-1238.823 χ^2/NDF: 29.2/34

In: -260.992+/-1064.566 χ^2/NDF:27.8/34

Out: 370.422+/-1007.148 χ^2/NDF:39.3/39

All: 72.201+/-731.618 χ^2/NDF: 67.3/74


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: 5047.972+/-0.893 χ²/NDF:941604.2/20
Right Out: 4245.533+/-1.180 χ²/NDF: 1683159.2/18
Left In: 5028.443+/-0.921 χ²/NDF:1051043.5/18
Left: 5038.507+/-0.641 χ²/NDF: 1992879.5/39
Right: 4502.414+/-0.876 χ²/NDF: 2584018.5/34
In: 4958.411+/-0.753 χ²/NDF:1863909.0/34
Out: 4755.865+/-0.712 χ²/NDF:2918688.8/39
All: 4851.529+/-0.517 χ²/NDF: 4820802.3/74



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1444.561+/-377.706 χ^2/NDF:18.4/20

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 2976.327+/-390.238 χ^2/NDF:11.3/18

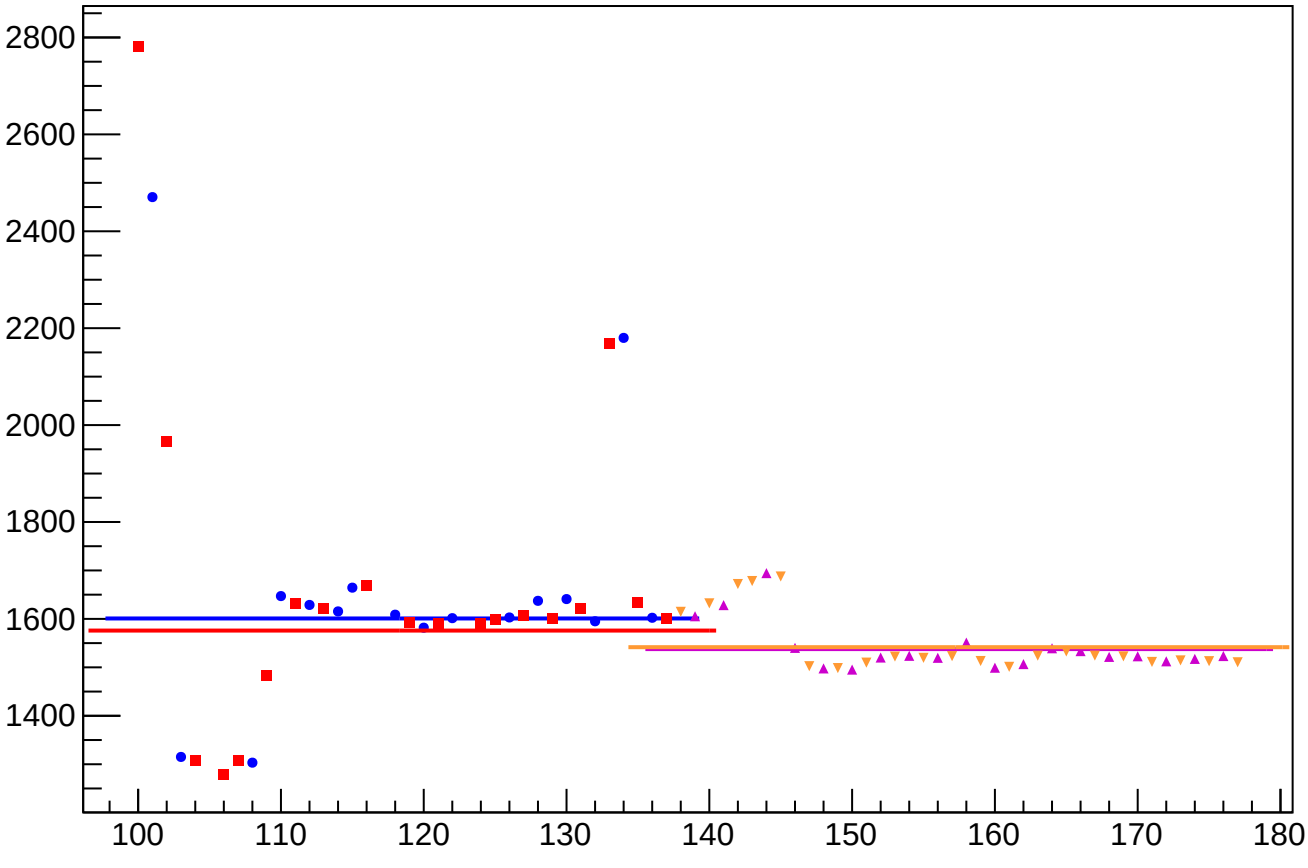
Left: 2185.453+/-271.401 χ^2/NDF: 37.7/39

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3129.801+/-327.325 χ^2/NDF:20.6/34

Out: 1642.535+/-317.730 χ^2/NDF:34.5/39

All: 2364.051+/-227.986 χ^2/NDF: 65.7/74



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1541.605+/-0.267 χ^2/NDF:45798.2/20

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1537.682+/-0.276 χ^2/NDF:30312.9/18

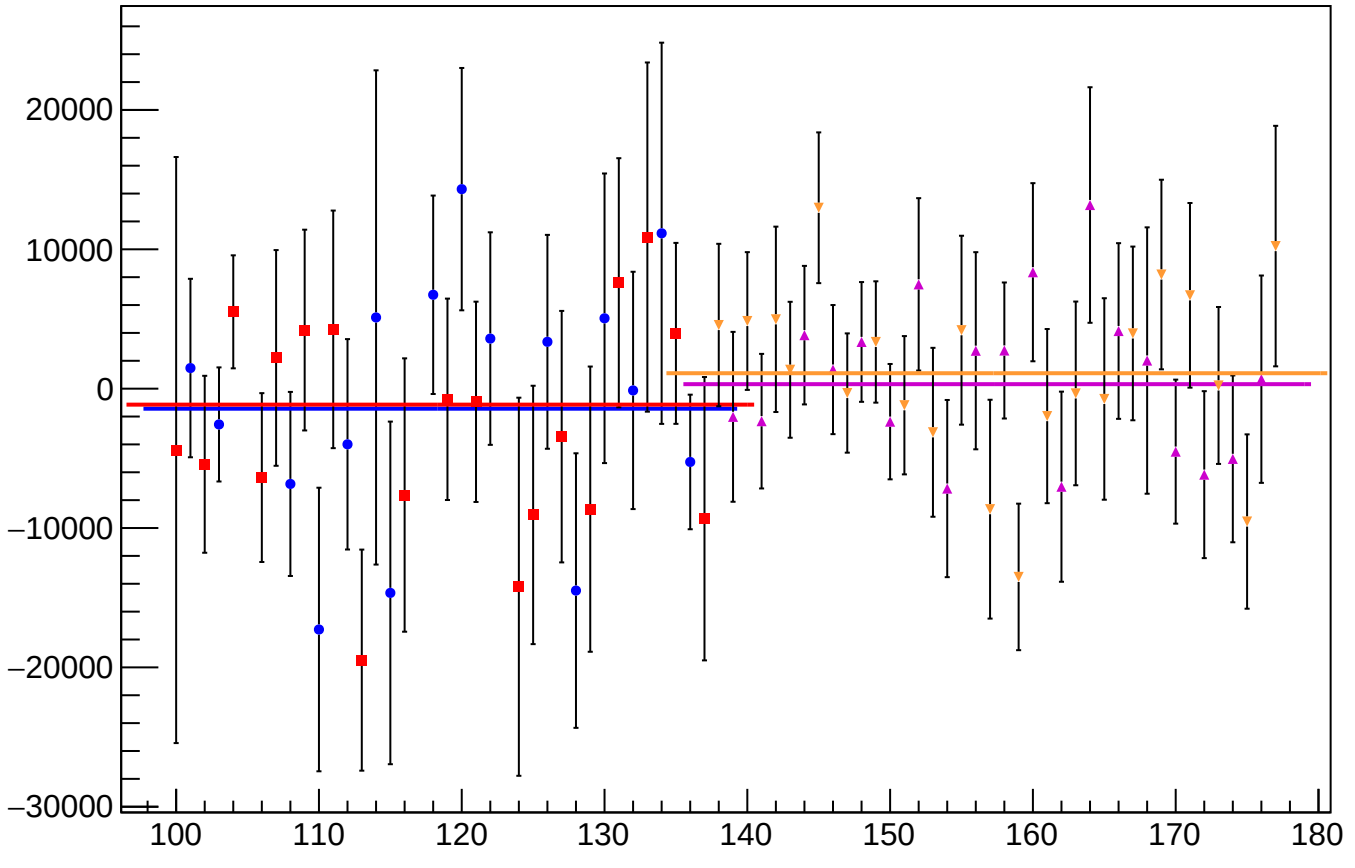
Left: 1539.707+/-0.192 χ^2/NDF: 76215.5/39

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1556.417+/-0.231 χ^2/NDF:363275.4/34

Out: 1551.687+/-0.224 χ^2/NDF:293978.1/39

All: 1553.979+/-0.161 χ^2/NDF: 657468.7/74



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 1108.171+/-1262.908 χ^2/NDF:23.0/20

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 322.913+/-1302.273 χ^2/NDF:13.3/18

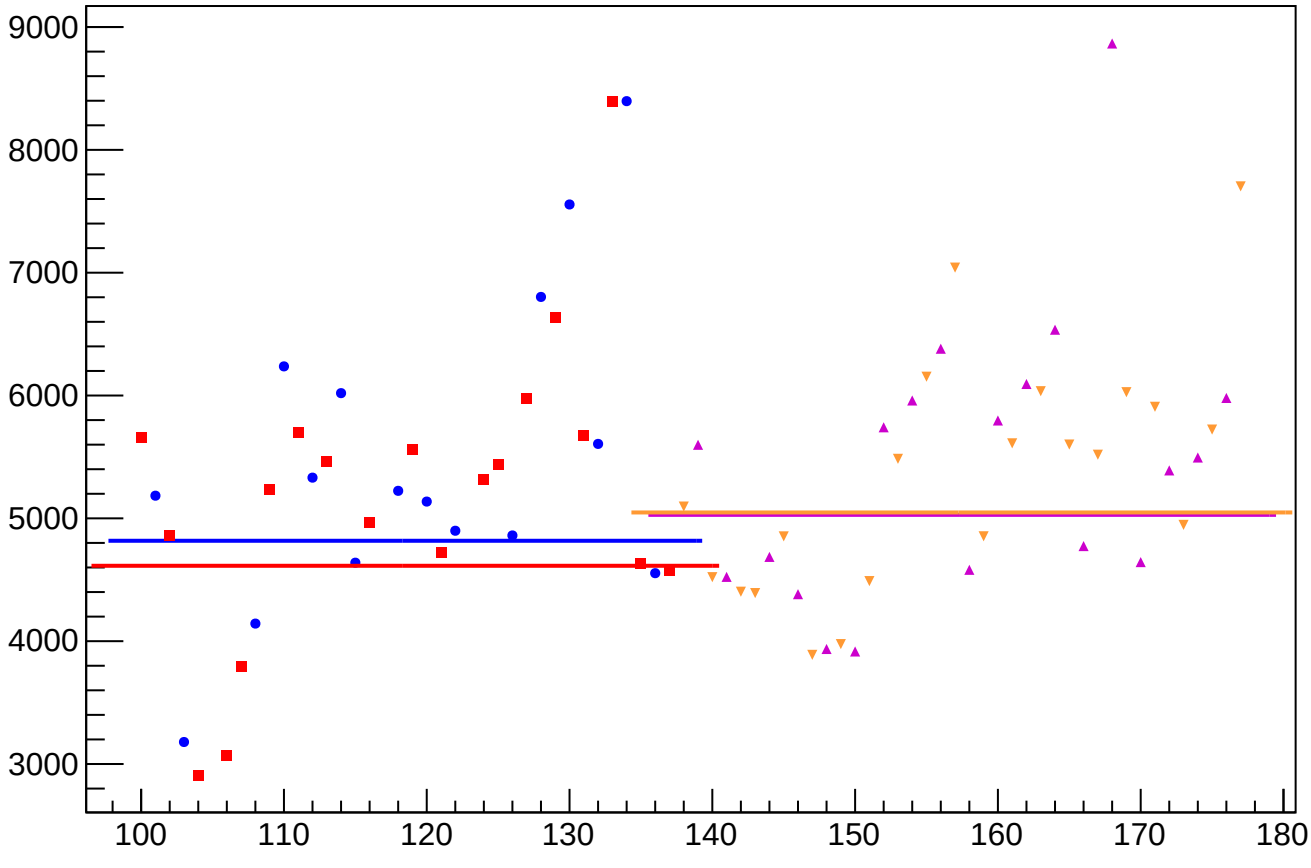
Left: 727.590+/-906.608 χ^2/NDF: 36.6/39

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -261.036+/-1064.573 χ^2/NDF:27.8/34

Out: 345.033+/-1027.142 χ^2/NDF:40.4/39

All: 52.840+/-739.178 χ^2/NDF: 68.3/74



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 5047.961+/-0.893 χ^2/NDF:941614.2/20

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 5028.442+/-0.921 χ^2/NDF:1051045.3/18

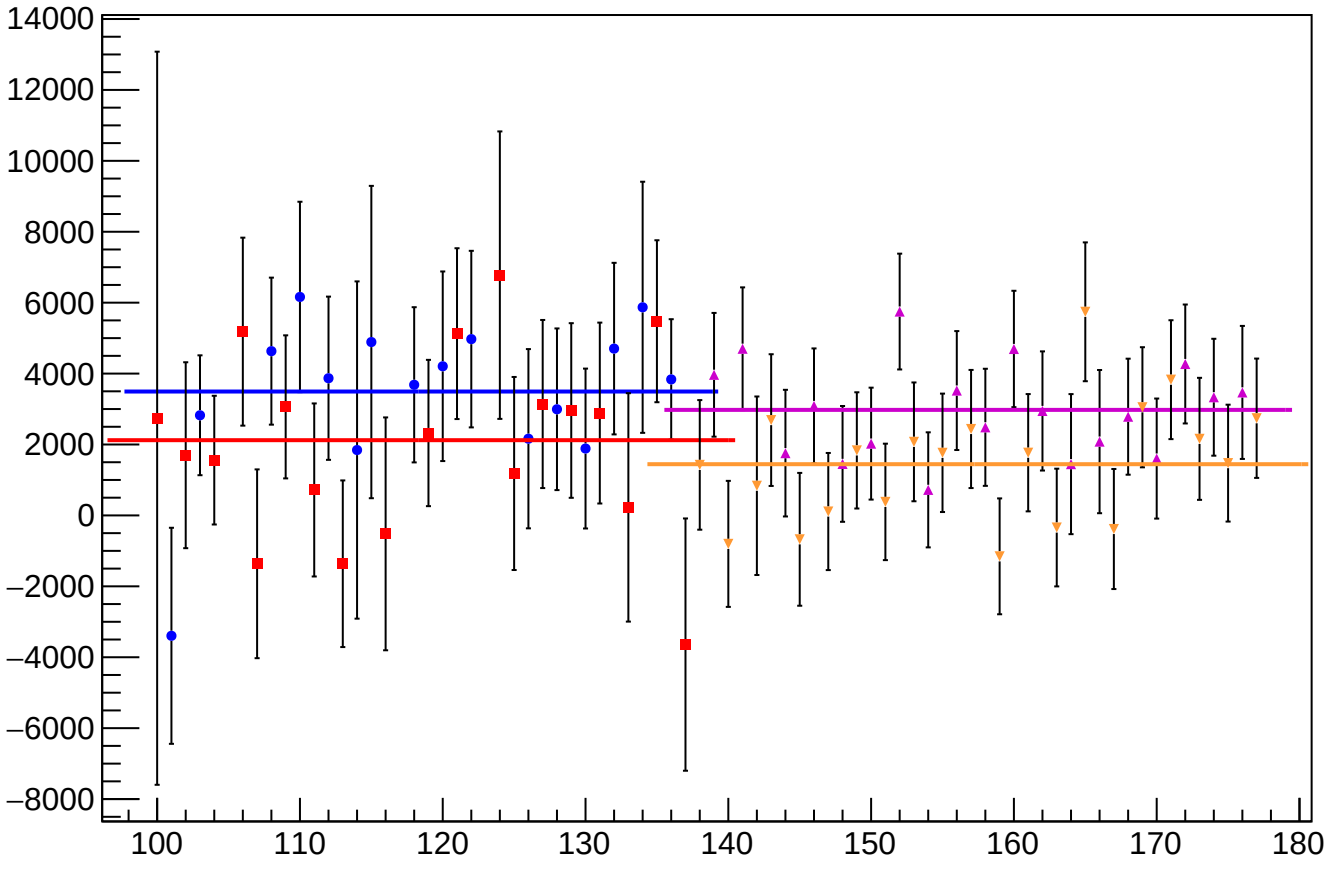
Left: 5038.501+/-0.641 χ^2/NDF: 1992891.0/39

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4958.458+/-0.753 χ^2/NDF:1863689.8/34

Out: 4901.007+/-0.726 χ^2/NDF:1999568.7/39

All: 4928.704+/-0.523 χ^2/NDF: 3866275.1/74



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1444.561+/-377.706 χ^2/NDF:18.4/20

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 2976.327+/-390.238 χ^2/NDF:11.3/18

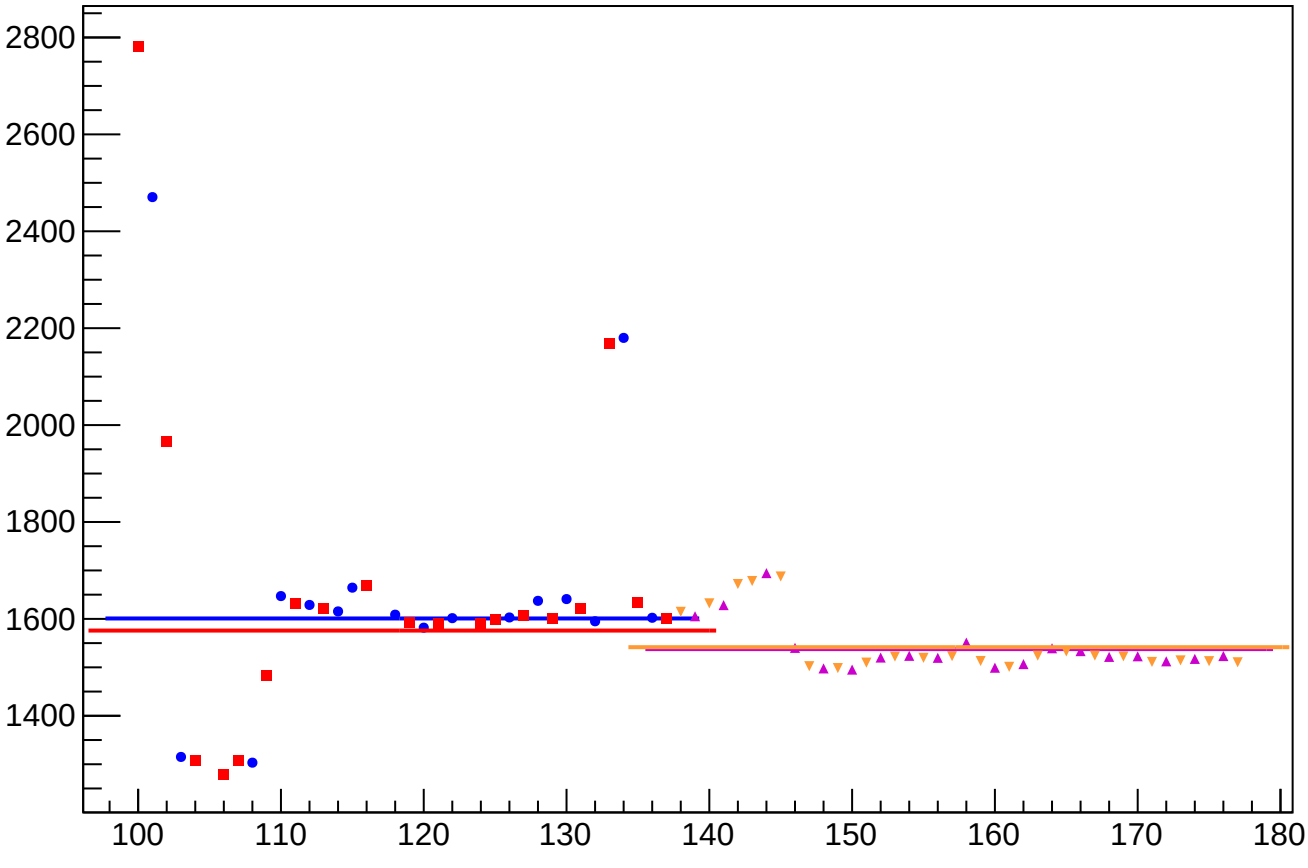
Left: 2185.453+/-271.401 χ^2/NDF: 37.7/39

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3129.801+/-327.325 χ^2/NDF:20.6/34

Out: 1642.535+/-317.730 χ^2/NDF:34.5/39

All: 2364.051+/-227.986 χ^2/NDF: 65.7/74



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1541.605+/-0.267 χ^2/NDF:45798.2/20

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1537.682+/-0.276 χ^2/NDF:30312.9/18

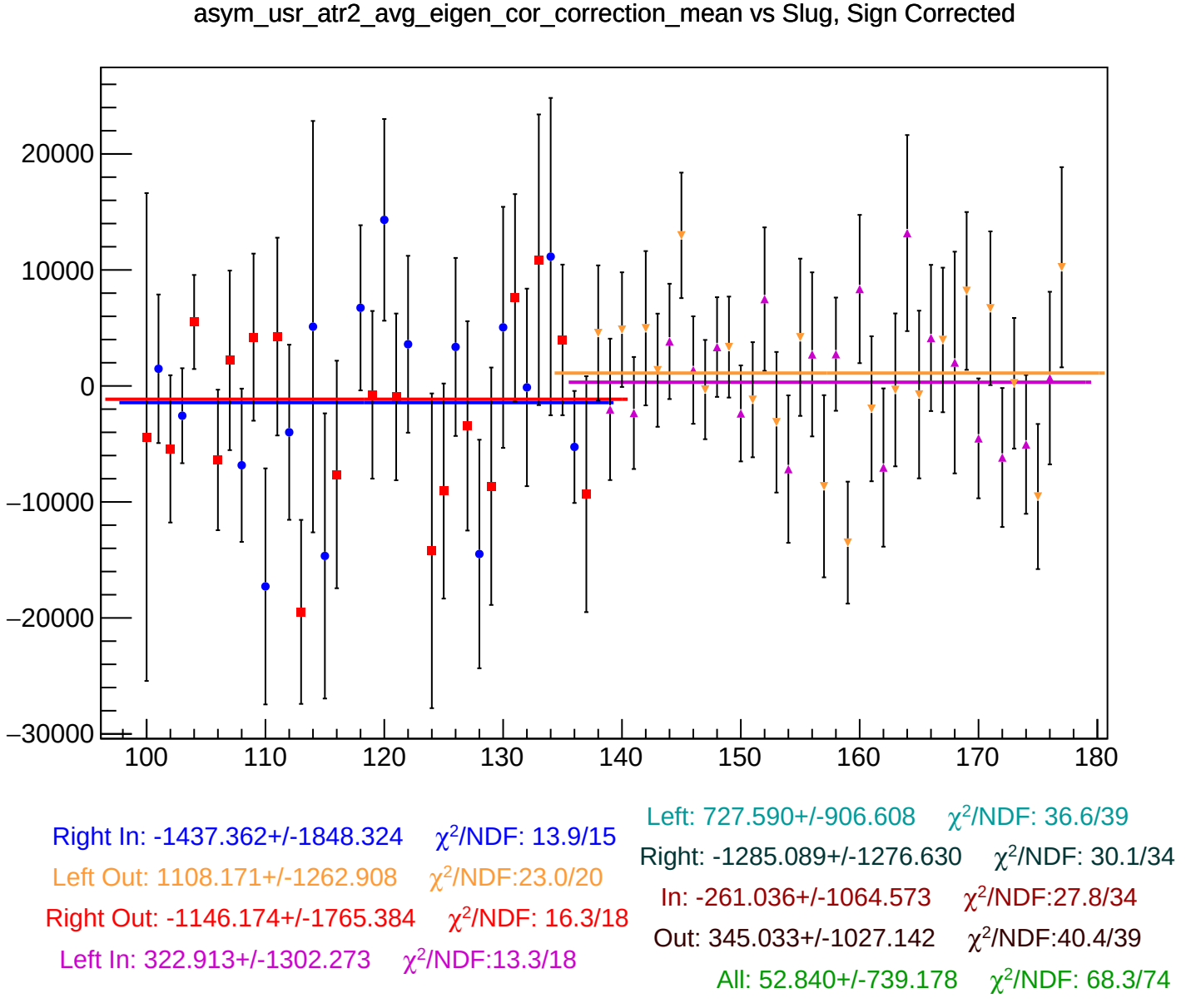
Left: 1539.707+/-0.192 χ^2/NDF: 76215.5/39

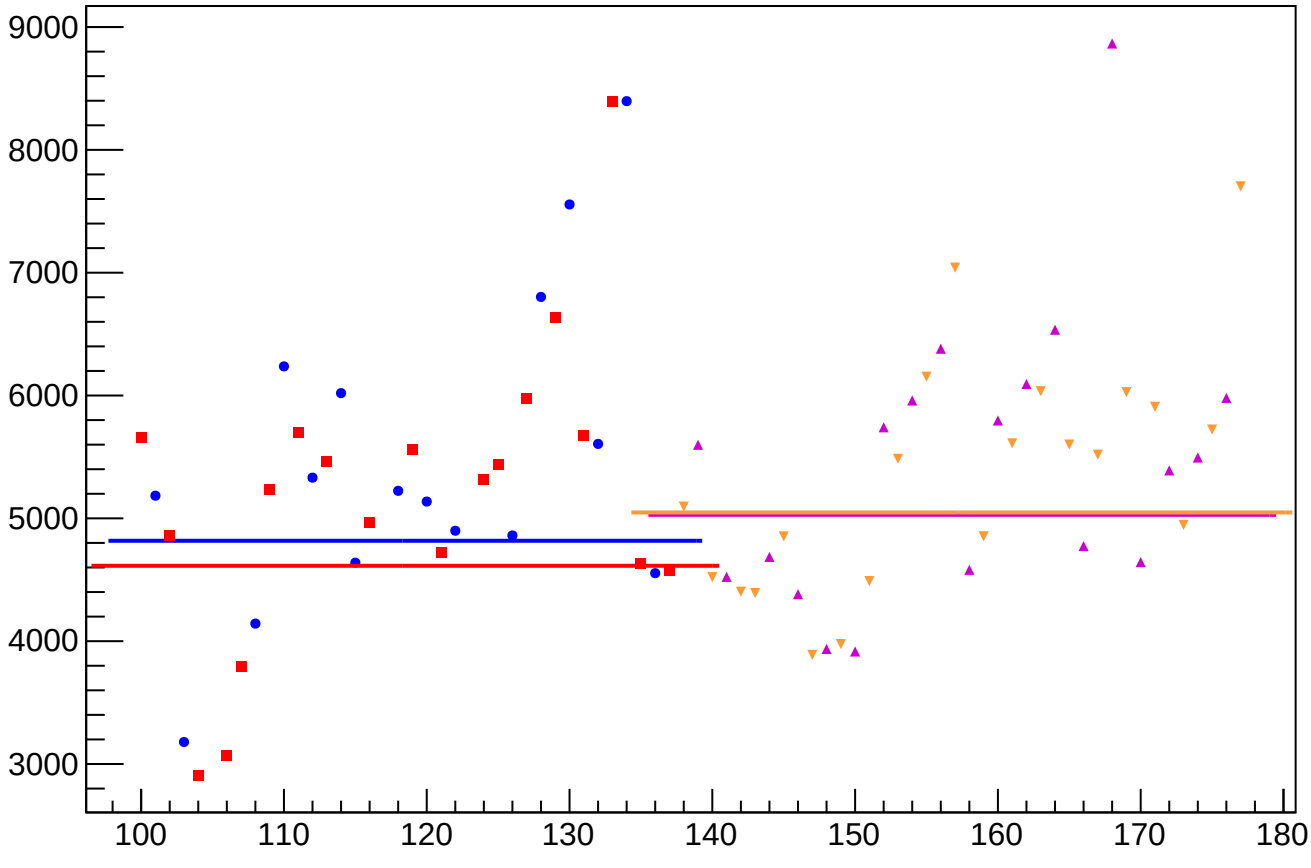
Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1556.417+/-0.231 χ^2/NDF:363275.4/34

Out: 1551.687+/-0.224 χ^2/NDF:293978.1/39

All: 1553.979+/-0.161 χ^2/NDF: 657468.7/74


asym_usr_atr2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: -1437.362+/-1848.324 χ²/NDF: 13.9/15
Left Out: 1108.171+/-1262.908 χ²/NDF:23.0/20
Right Out: -1146.174+/-1765.384 χ²/NDF: 16.3/18
Left In: 322.913+/-1302.273 χ²/NDF:13.3/18
Left: 727.590+/-906.608 χ²/NDF: 36.6/39
Right: -1285.089+/-1276.630 χ²/NDF: 30.1/34
In: -261.036+/-1064.573 χ²/NDF:27.8/34
Out: 345.033+/-1027.142 χ²/NDF:40.4/39
All: 52.840+/-739.178 χ²/NDF: 68.3/74



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 5047.961+/-0.893 χ^2/NDF:941614.2/20

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 5028.442+/-0.921 χ^2/NDF:1051045.3/18

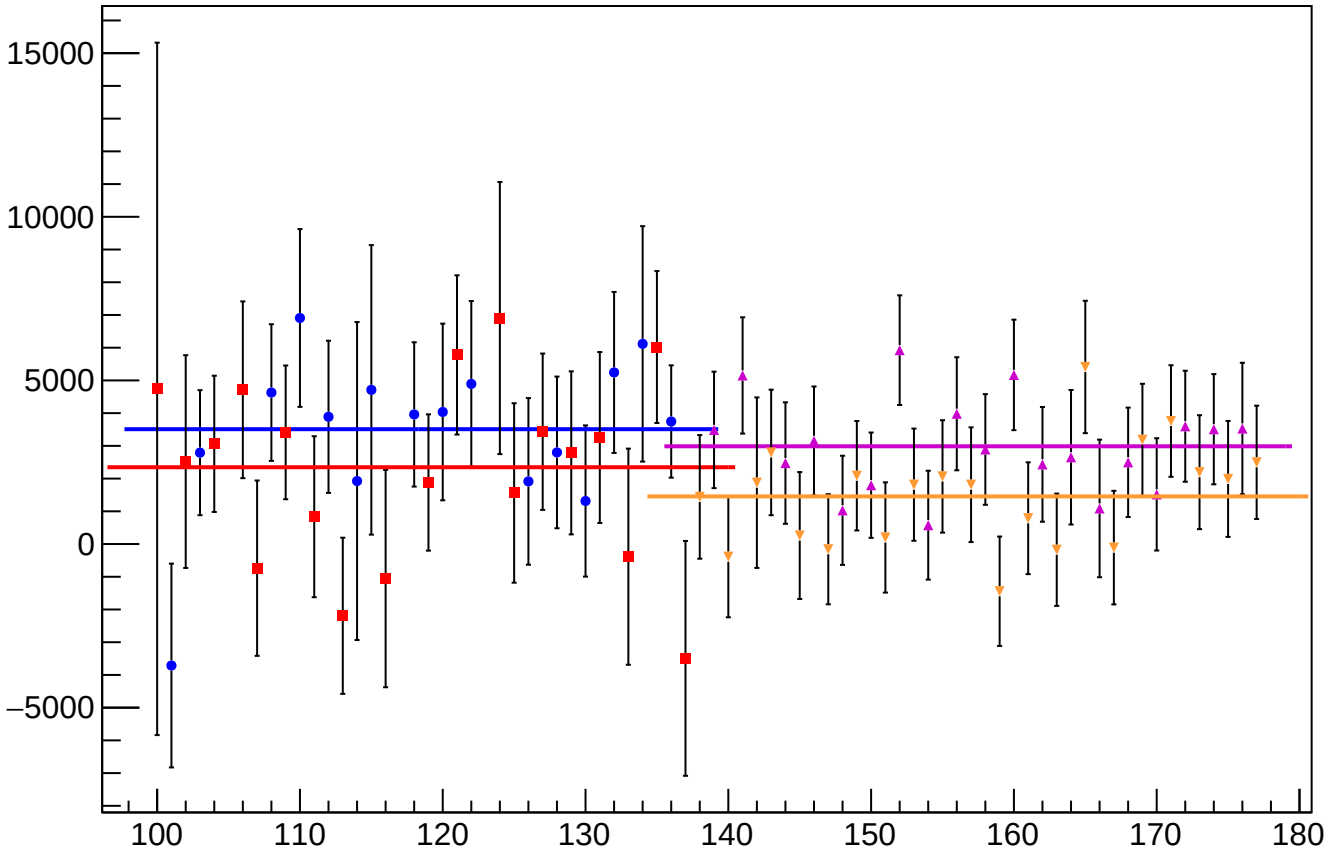
Left: 5038.501+/-0.641 χ^2/NDF: 1992891.0/39

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4958.458+/-0.753 χ^2/NDF:1863689.8/34

Out: 4901.007+/-0.726 χ^2/NDF:1999568.7/39

All: 4928.704+/-0.523 χ^2/NDF: 3866275.1/74



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1455.682+/-389.004 χ^2/NDF:15.9/20

Right Out: 2346.859+/-607.502 χ^2/NDF: 17.1/18

Left In: 2987.034+/-401.055 χ^2/NDF:12.8/18

Left: 2198.005+/-279.231 χ^2/NDF: 36.2/39

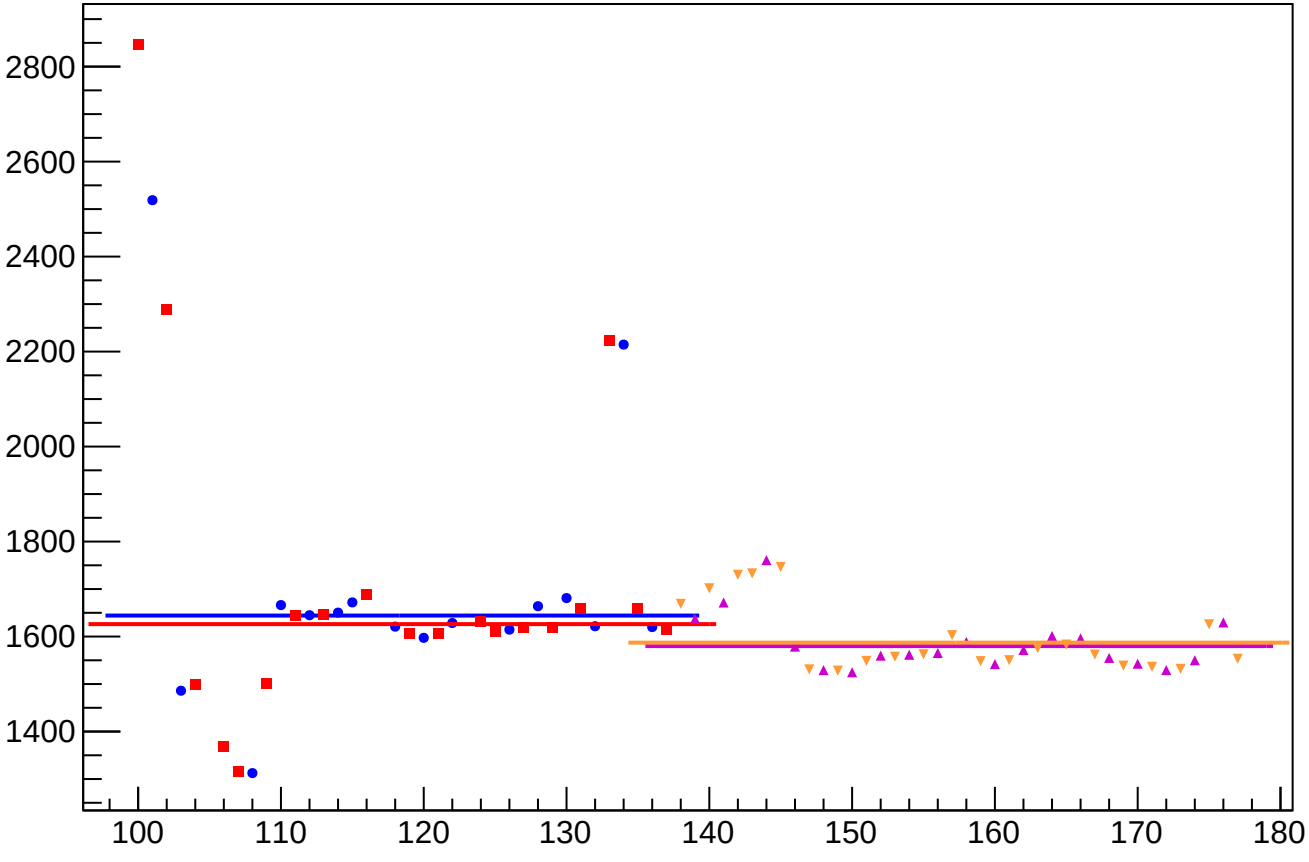
Right: 2919.425+/-432.793 χ^2/NDF: 29.3/34

In: 3142.316+/-336.216 χ^2/NDF:23.7/34

Out: 1714.831+/-327.598 χ^2/NDF:34.5/39

All: 2410.042+/-234.634 χ^2/NDF: 67.5/74

dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1587.196+/-0.275 χ^2/NDF:59029.8/20

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

Left In: 1579.889+/-0.284 χ^2/NDF:37721.5/18

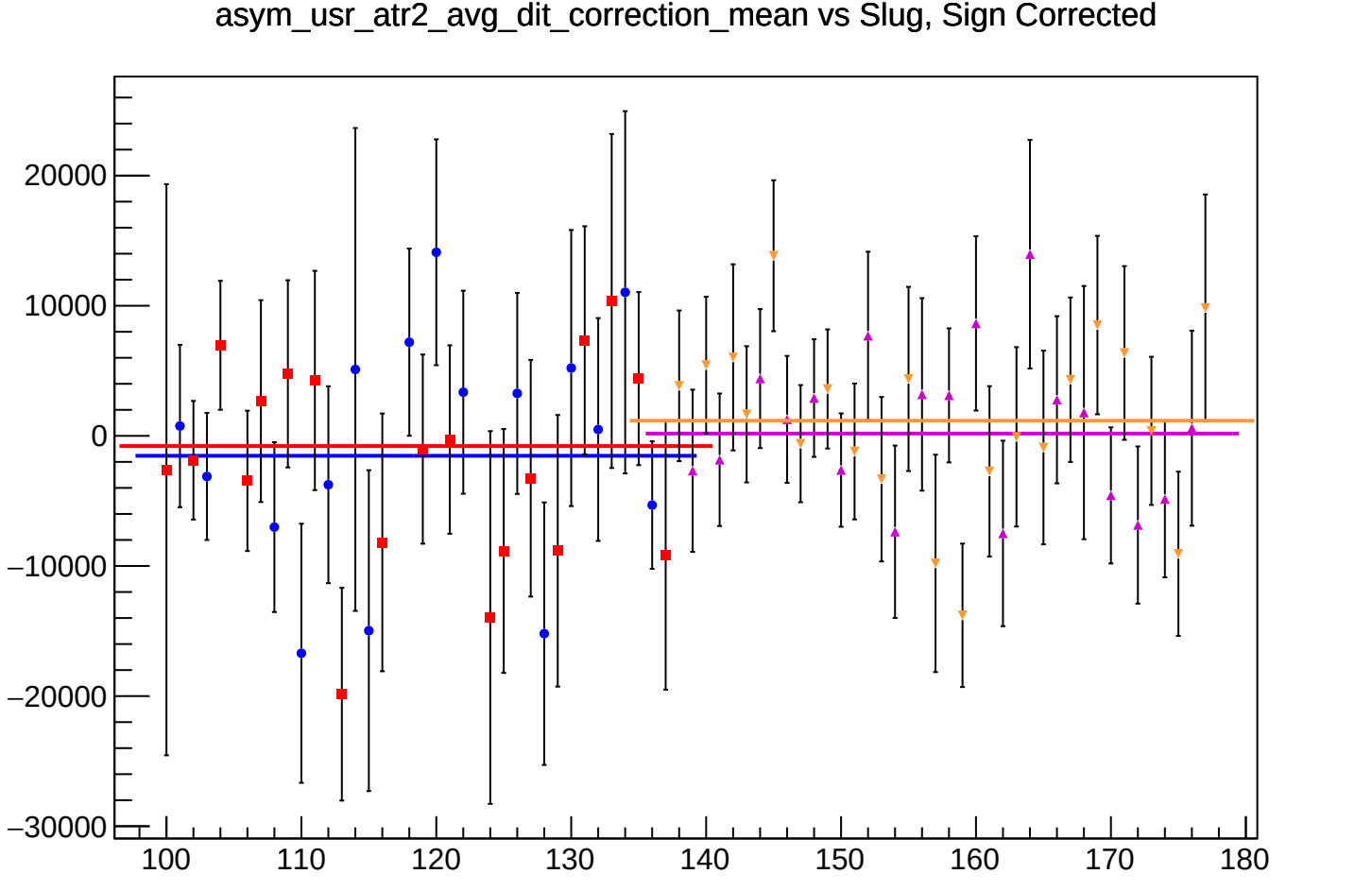
Left: 1583.654+/-0.197 χ^2/NDF: 97093.4/39

Right: 1635.043+/-0.306 χ^2/NDF: 513324.8/34

In: 1599.002+/-0.238 χ^2/NDF:327822.9/34

Out: 1598.545+/-0.232 χ^2/NDF:302515.5/39

All: 1598.767+/-0.166 χ^2/NDF: 630340.3/74



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 1165.688+/-1315.180 χ^2/NDF:22.7/20

Right Out: -784.235+/-1748.566 χ^2/NDF: 15.0/18

Left In: 178.026+/-1354.609 χ^2/NDF:13.3/18

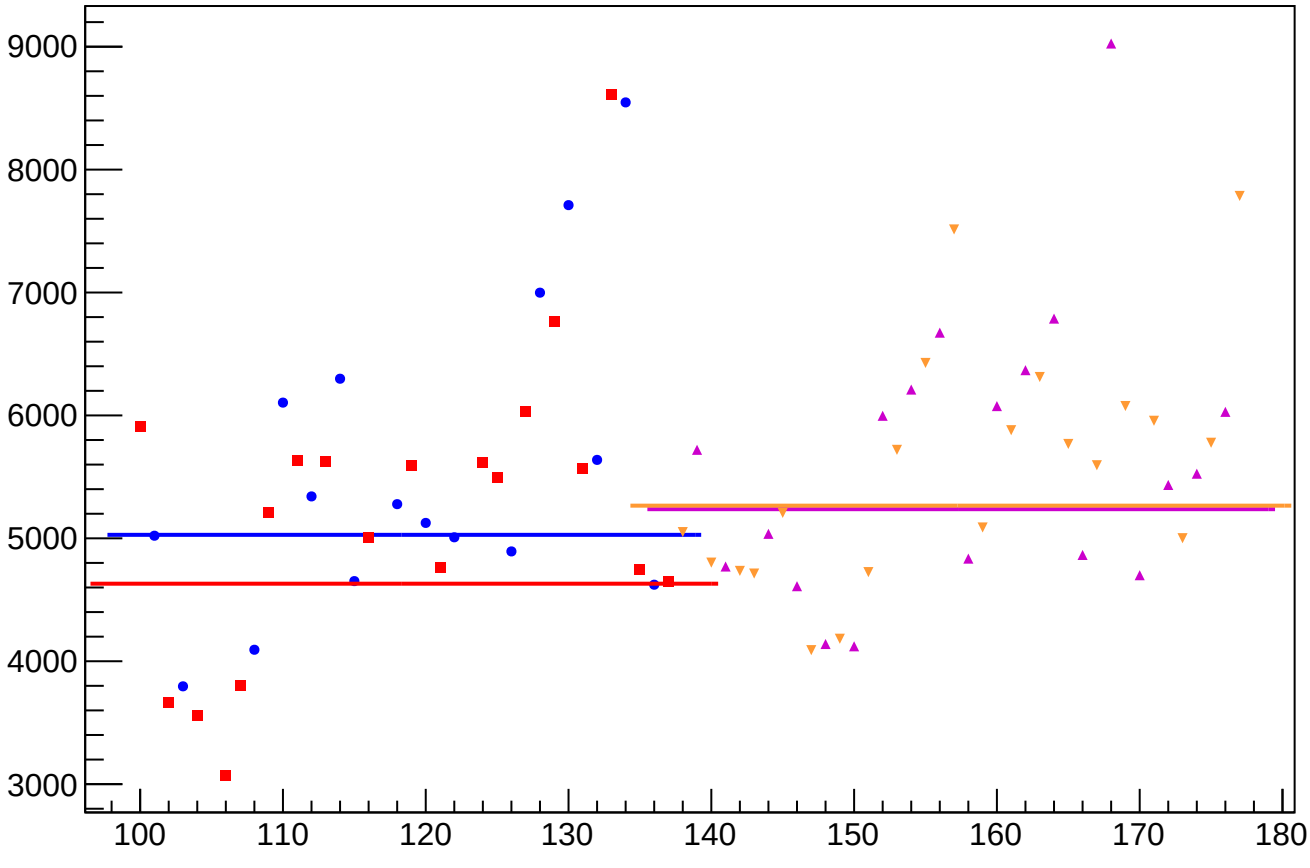
Left: 686.440+/-943.604 χ^2/NDF: 36.2/39

Right: -1124.500+/-1290.893 χ^2/NDF: 29.0/34

In: -392.777+/-1105.666 χ^2/NDF:27.7/34

Out: 461.144+/-1051.060 χ^2/NDF:38.5/39

All: 55.790+/-761.785 χ^2/NDF: 66.5/74



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 5265.888+/-0.930 χ^2/NDF:844361.8/20

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

Left In: 5237.146+/-0.958 χ^2/NDF:976345.5/18

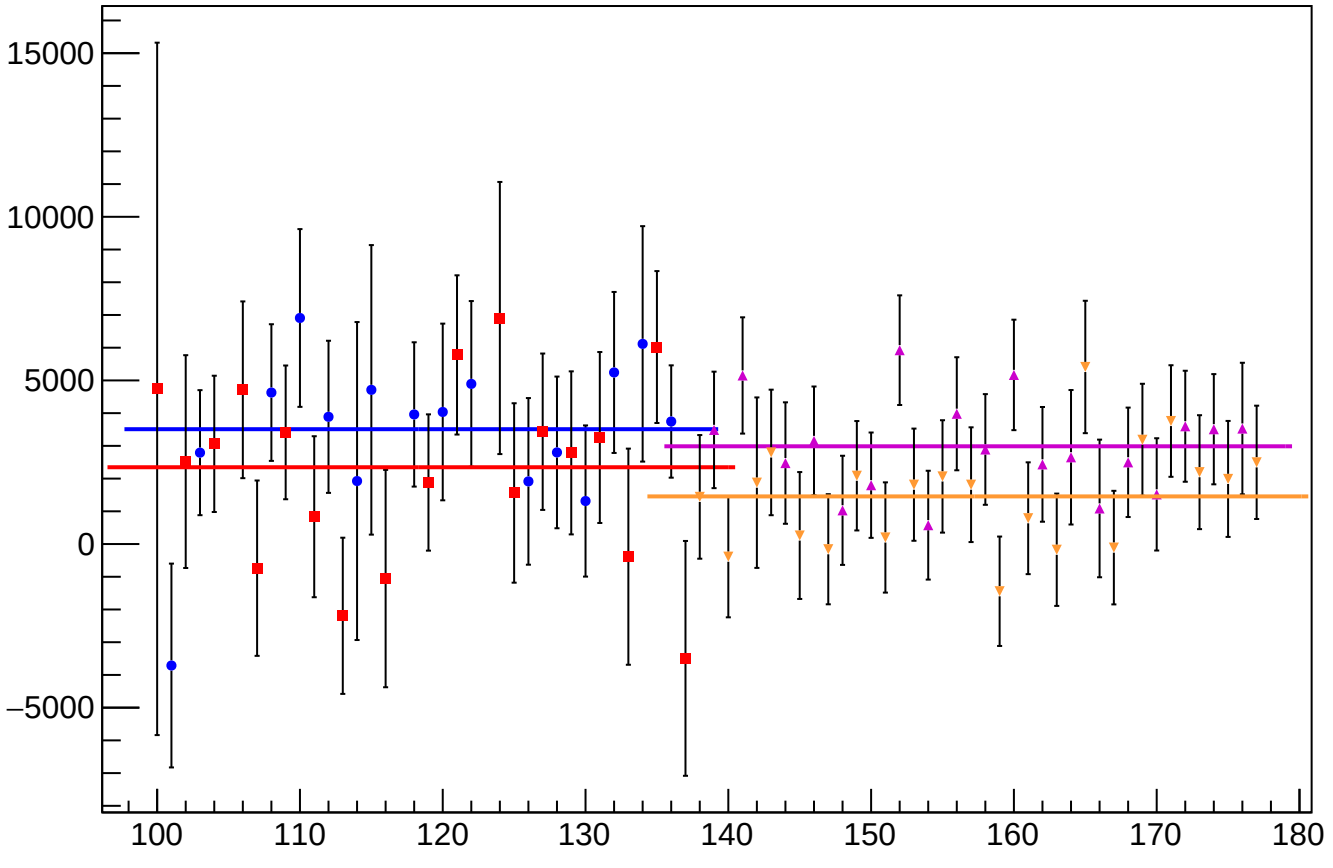
Left: 5251.941+/-0.667 χ^2/NDF: 1821170.8/39

Right: 4811.776+/-0.913 χ^2/NDF: 1476020.7/34

In: 5167.488+/-0.782 χ^2/NDF:1557659.7/34

Out: 5036.455+/-0.743 χ^2/NDF:1876330.2/39

All: 5098.656+/-0.539 χ^2/NDF: 3448745.3/74



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1455.676+/-389.005 χ^2/NDF:15.9/20

Right Out: 2346.865+/-607.502 χ^2/NDF: 17.1/18

Left In: 2987.038+/-401.056 χ^2/NDF:12.8/18

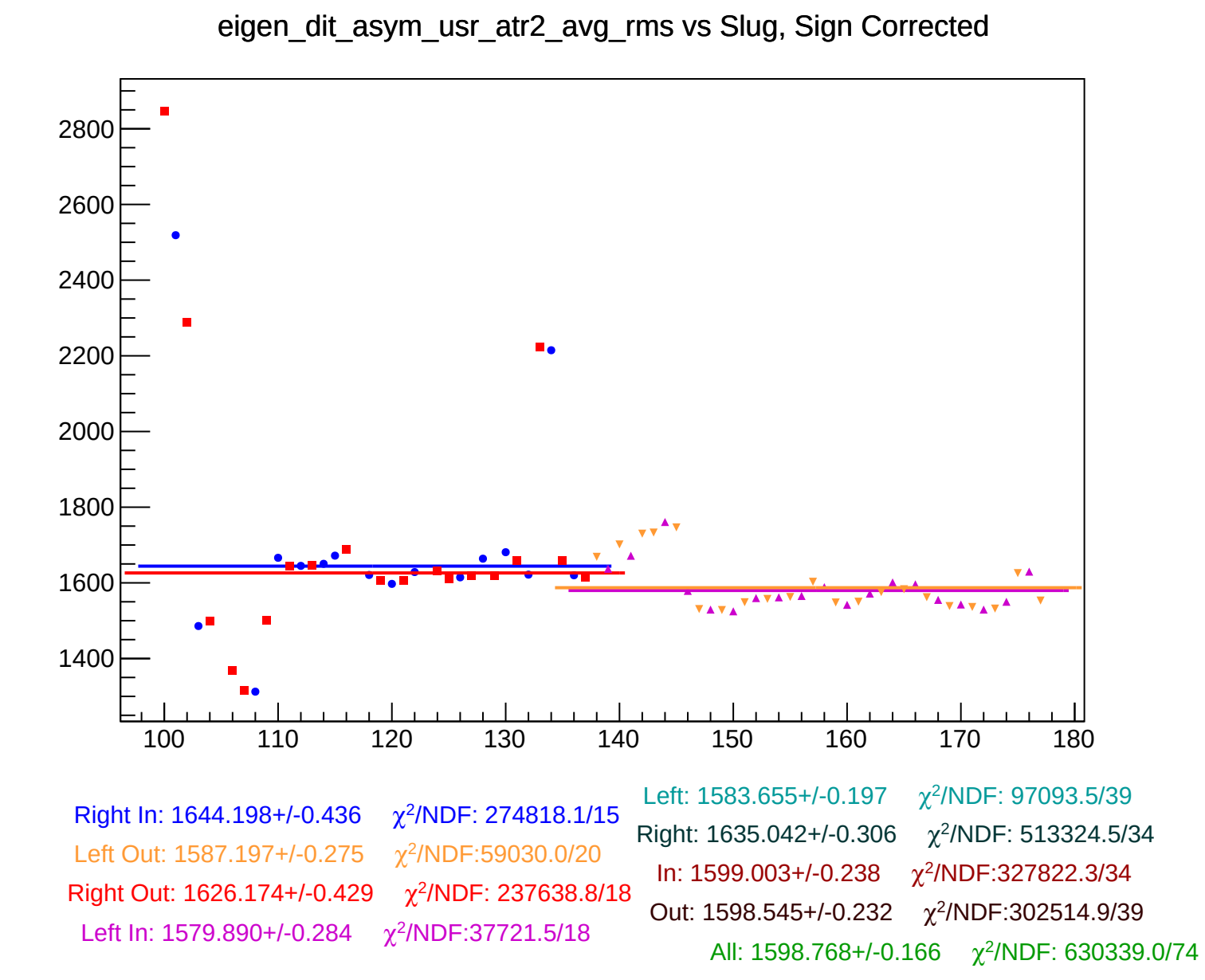
Left: 2198.004+/-279.231 χ^2/NDF: 36.2/39

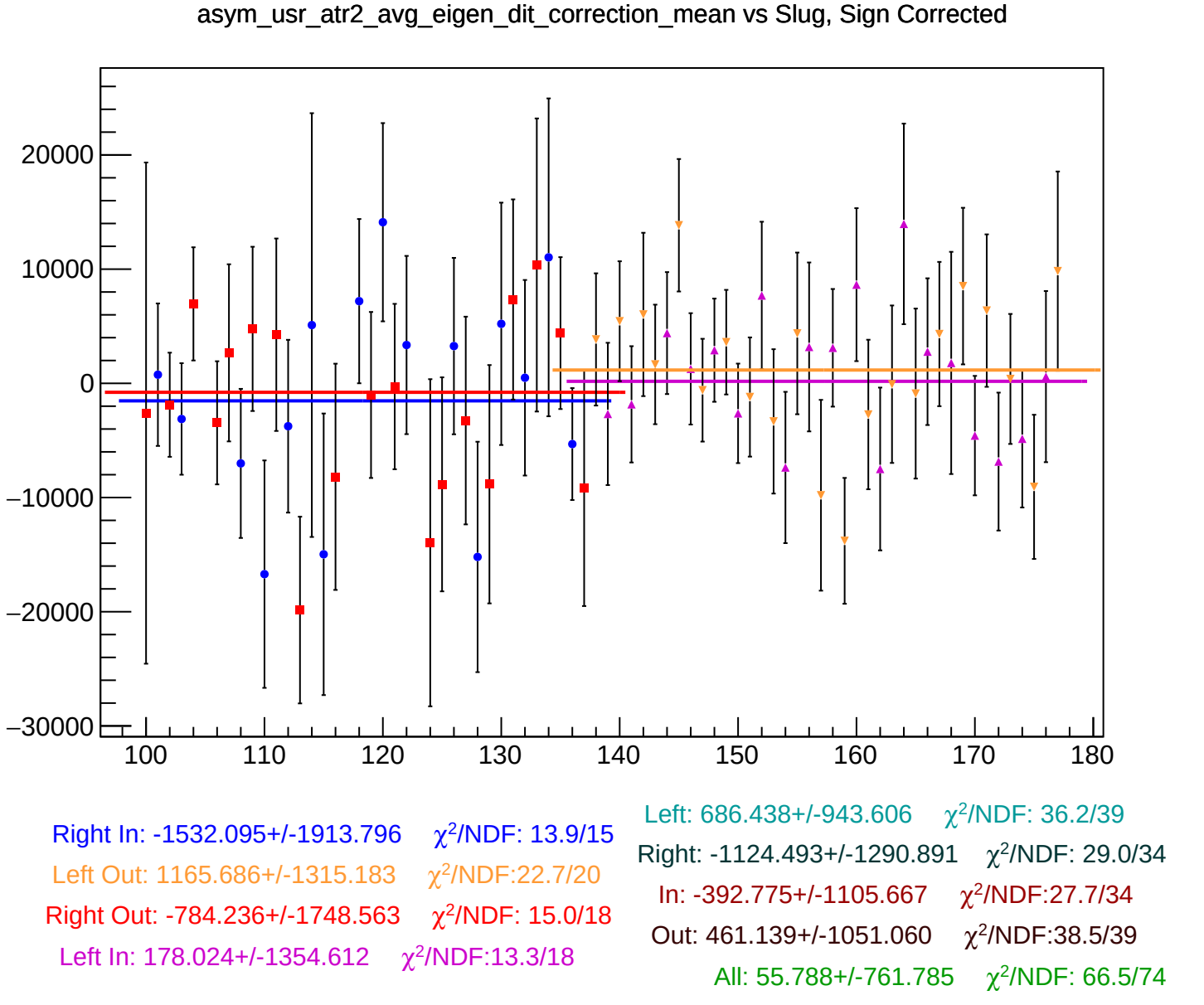
Right: 2919.429+/-432.792 χ^2/NDF: 29.3/34

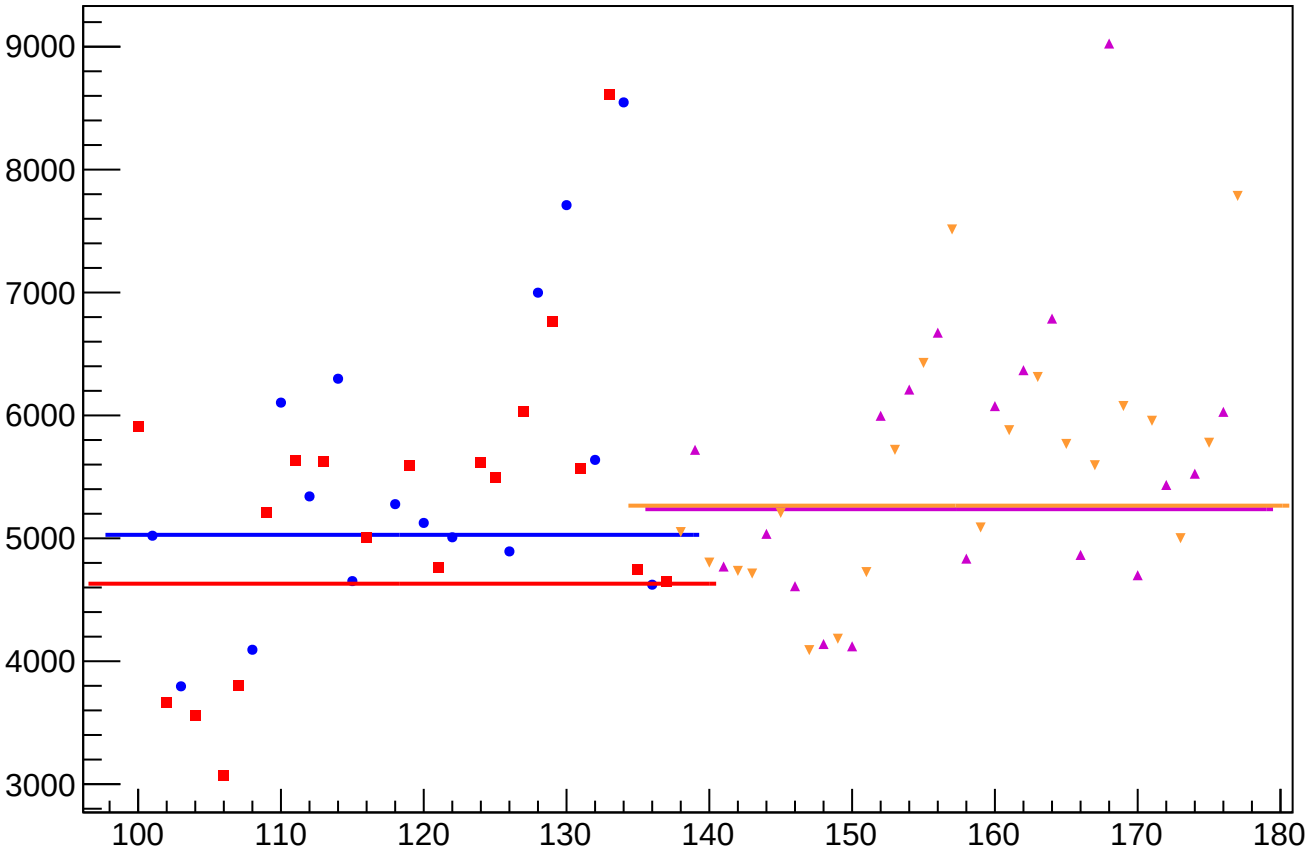
In: 3142.319+/-336.217 χ^2/NDF:23.7/34

Out: 1714.829+/-327.598 χ^2/NDF:34.5/39

All: 2410.043+/-234.634 χ^2/NDF: 67.5/74


eigen_dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected
2800
2600
2400
2200
2000
1800
1600
1400
100
110
120
130
140
150
160
170
180
Right In: 1644.198+/-0.436 χ²/NDF: 274818.1/15
Left Out: 1587.197+/-0.275 χ²/NDF:59030.0/20
Right Out: 1626.174+/-0.429 χ²/NDF: 237638.8/18
Left In: 1579.890+/-0.284 χ²/NDF:37721.5/18
Left: 1583.655+/-0.197 χ²/NDF: 97093.5/39
Right: 1635.042+/-0.306 χ²/NDF: 513324.5/34
In: 1599.003+/-0.238 χ²/NDF:327822.3/34
Out: 1598.545+/-0.232 χ²/NDF:302514.9/39
All: 1598.768+/-0.166 χ²/NDF: 630339.0/74


asym_usr_atr2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: -1532.095+/-1913.796 χ²/NDF: 13.9/15
Left Out: 1165.686+/-1315.183 χ²/NDF:22.7/20
Right Out: -784.236+/-1748.563 χ²/NDF: 15.0/18
Left In: 178.024+/-1354.612 χ²/NDF:13.3/18
Left: 686.438+/-943.606 χ²/NDF: 36.2/39
Right: -1124.493+/-1290.891 χ²/NDF: 29.0/34
In: -392.775+/-1105.667 χ²/NDF:27.7/34
Out: 461.139+/-1051.060 χ²/NDF:38.5/39
All: 55.788+/-761.785 χ²/NDF: 66.5/74



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 5265.897+/-0.930 χ^2/NDF:844362.5/20

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

Left In: 5237.154+/-0.958 χ^2/NDF:976347.3/18

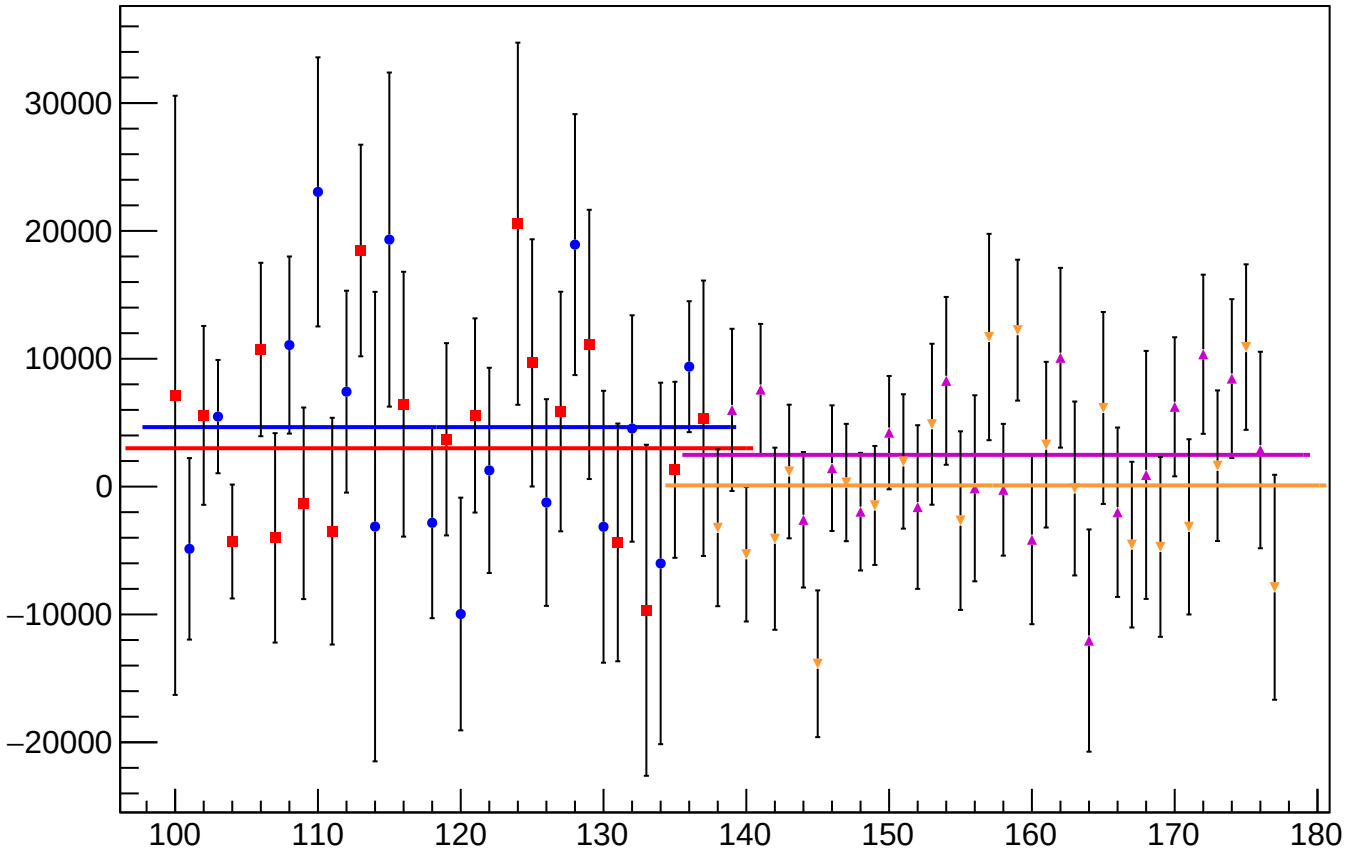
Left: 5251.950+/-0.667 χ^2/NDF: 1821173.2/39

Right: 4811.769+/-0.913 χ^2/NDF: 1476008.6/34

In: 5167.491+/-0.782 χ^2/NDF:1557657.5/34

Out: 5036.458+/-0.743 χ^2/NDF:1876333.2/39

All: 5098.659+/-0.539 χ^2/NDF: 3448746.3/74



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: 95.116+/-1327.607 χ^2/NDF:21.3/20

Right Out: 3000.980+/-1882.821 χ^2/NDF: 13.9/18

Left In: 2482.272+/-1368.040 χ^2/NDF:13.4/18

Left: 1252.896+/-952.733 χ^2/NDF: 36.3/39

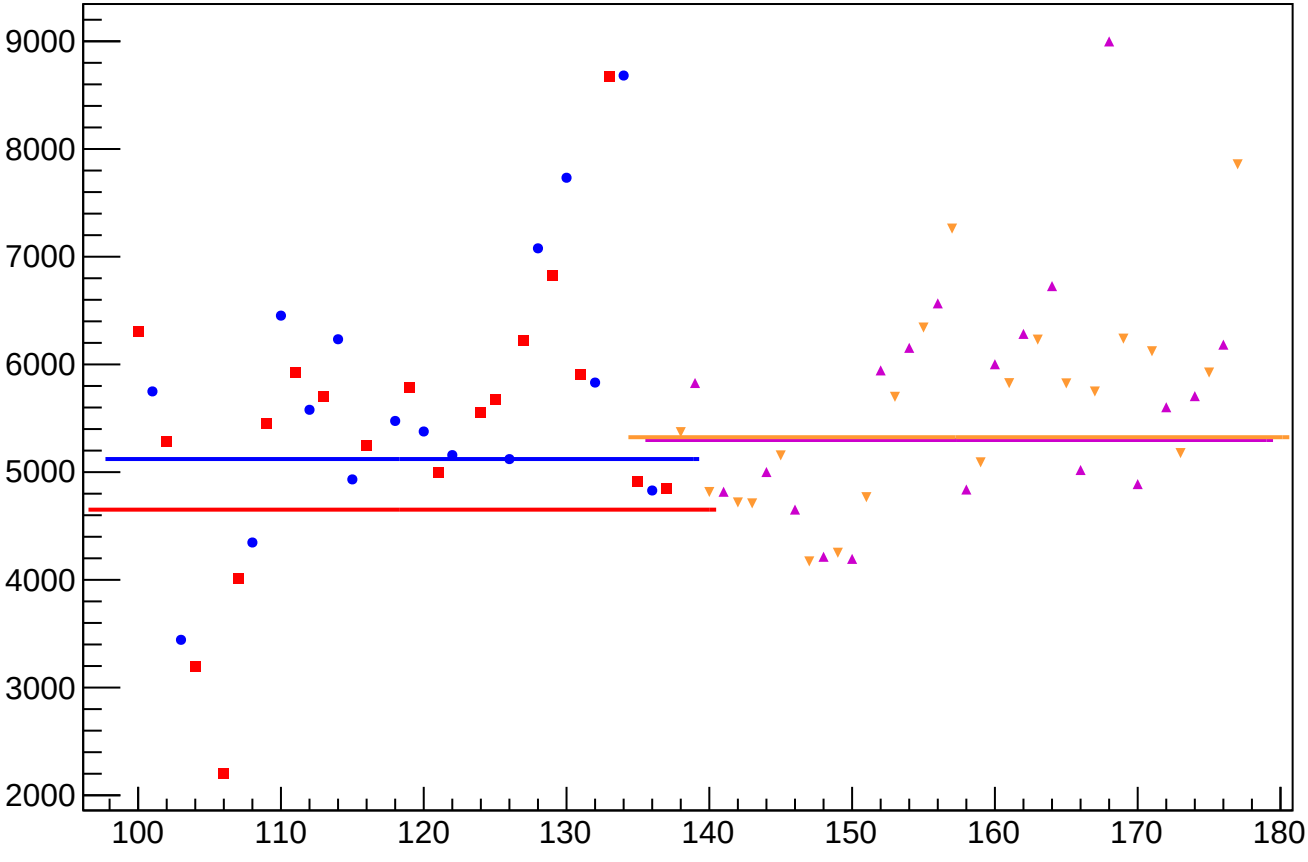
Right: 3794.523+/-1357.320 χ^2/NDF: 29.8/34

In: 3194.148+/-1121.523 χ^2/NDF:29.7/34

Out: 1060.099+/-1085.004 χ^2/NDF:36.8/39

All: 2091.813+/-779.805 χ^2/NDF: 68.4/74

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 5324.298+/-0.939 χ^2/NDF:796066.1/20

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

Left In: 5298.448+/-0.967 χ^2/NDF:900219.8/18

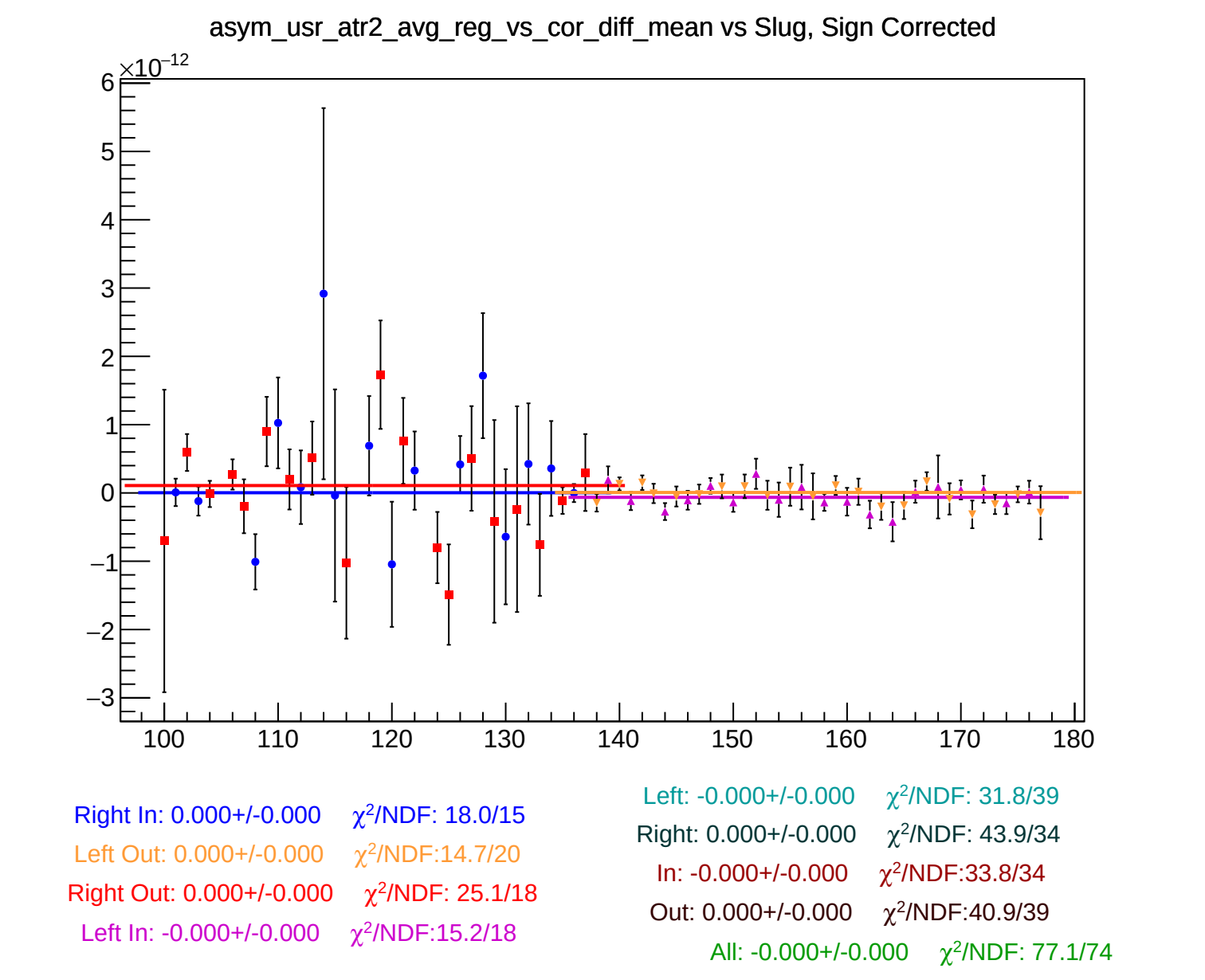
Left: 5311.761+/-0.674 χ^2/NDF: 1696653.6/39

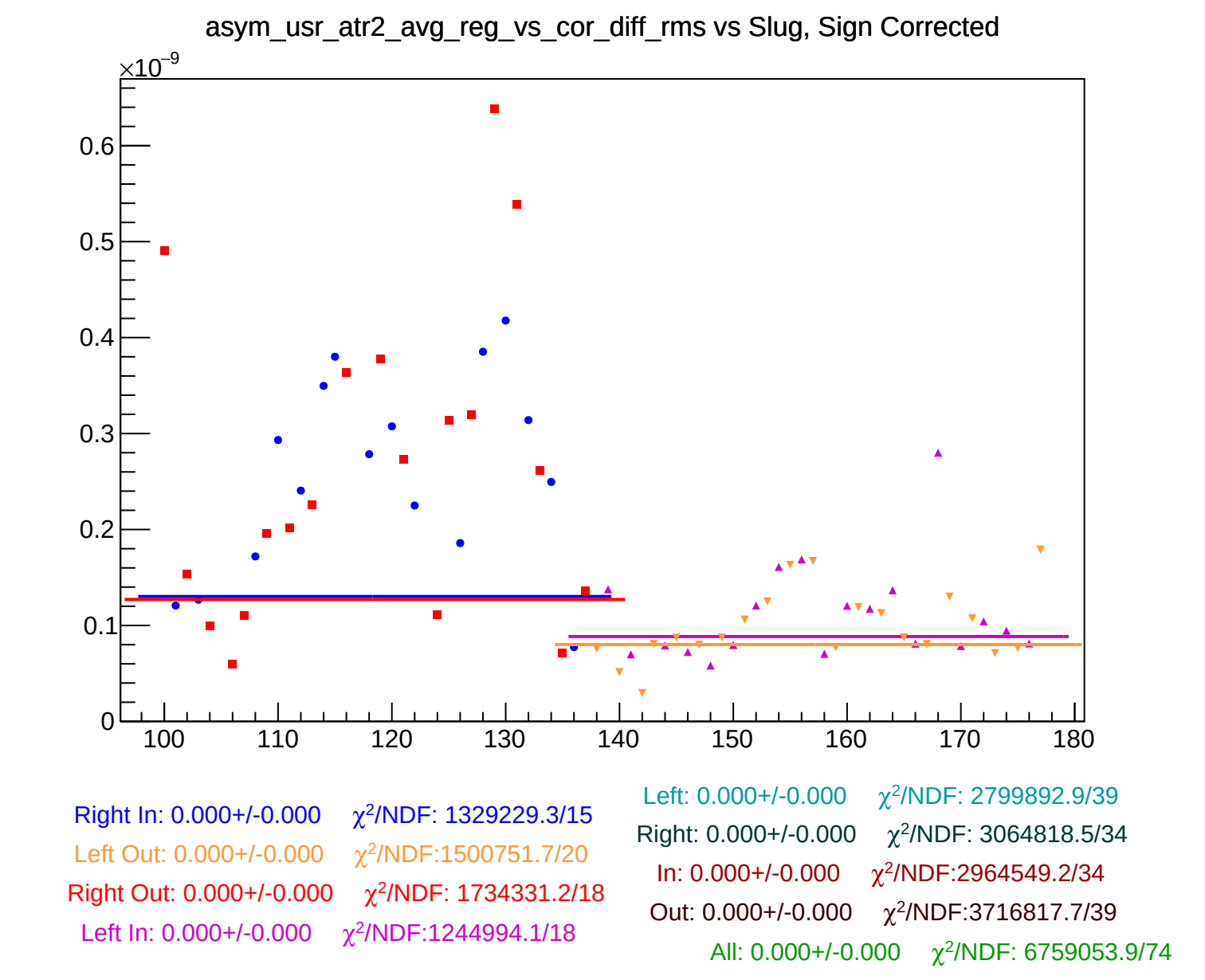
Right: 4868.287+/-0.940 χ^2/NDF: 2127316.1/34

In: 5240.470+/-0.793 χ^2/NDF:1631544.3/34

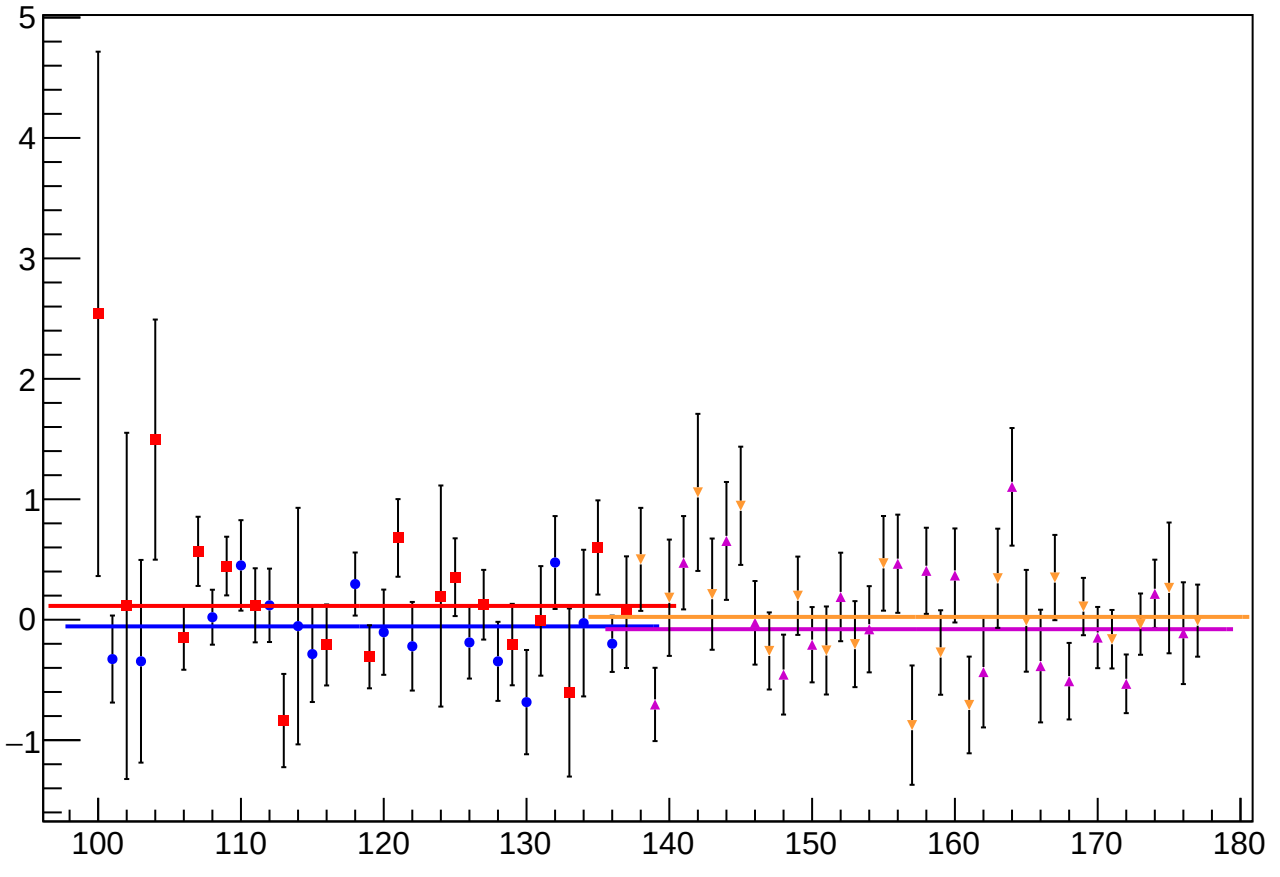
Out: 5089.147+/-0.757 χ^2/NDF:2320398.0/39

All: 5161.299+/-0.548 χ^2/NDF: 3970992.0/74


asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
5
4
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 18.0/15
Left Out: 0.000+/-0.000 χ²/NDF:14.7/20
Right Out: 0.000+/-0.000 χ²/NDF: 25.1/18
Left In: -0.000+/-0.000 χ²/NDF:15.2/18
Left: -0.000+/-0.000 χ²/NDF: 31.8/39
Right: 0.000+/-0.000 χ²/NDF: 43.9/34
In: -0.000+/-0.000 χ²/NDF:33.8/34
Out: 0.000+/-0.000 χ²/NDF:40.9/39
All: -0.000+/-0.000 χ²/NDF: 77.1/74


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:1500751.7/20
Right Out: 0.000+/-0.000 χ²/NDF: 1734331.2/18
Left In: 0.000+/-0.000 χ²/NDF:1244994.1/18
Left: 0.000+/-0.000 χ²/NDF: 2799892.9/39
Right: 0.000+/-0.000 χ²/NDF: 3064818.5/34
In: 0.000+/-0.000 χ²/NDF:2964549.2/34
Out: 0.000+/-0.000 χ²/NDF:3716817.7/39
All: 0.000+/-0.000 χ²/NDF: 6759053.9/74

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.023+/-0.078 χ^2/NDF:20.7/20

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.079+/-0.079 χ^2/NDF:28.8/18

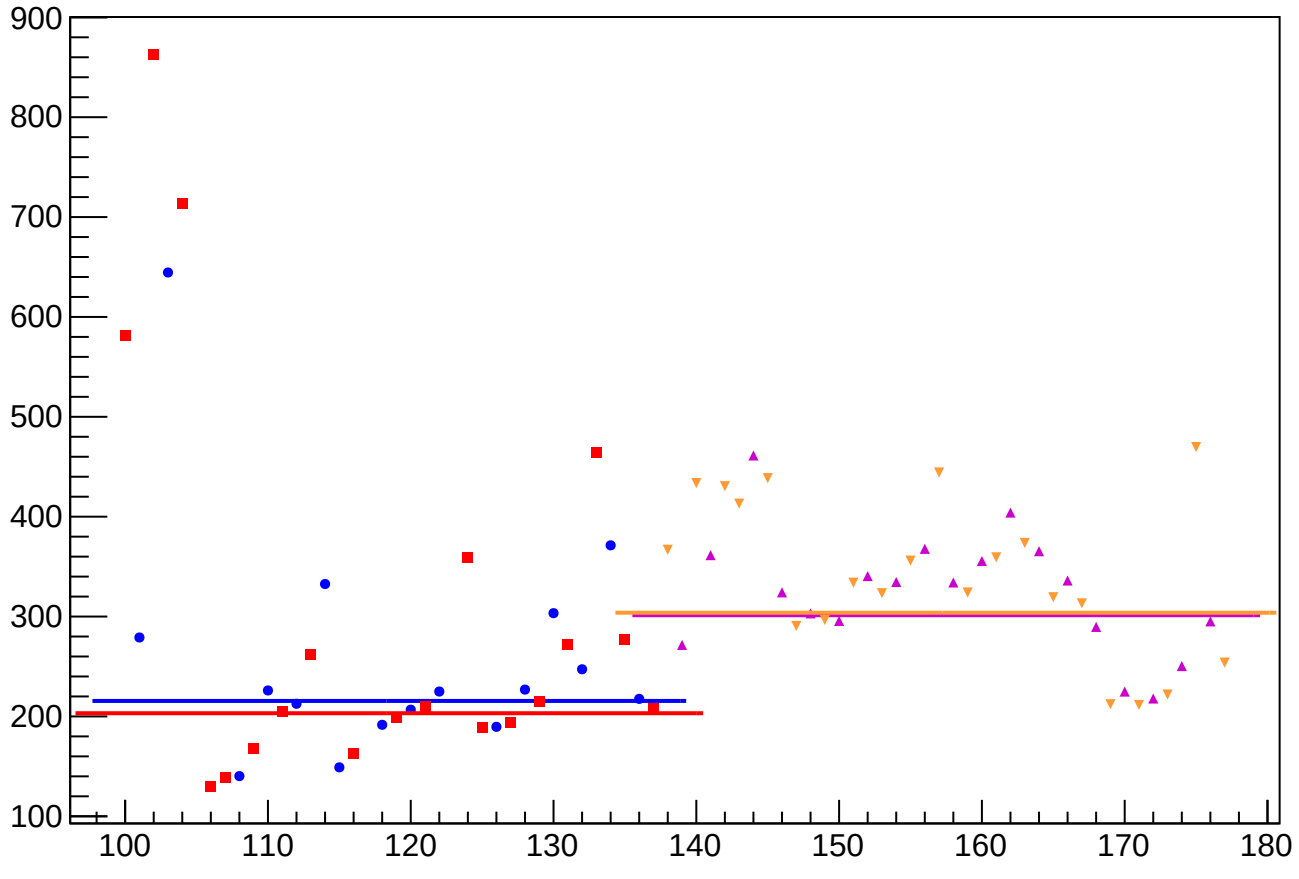
Left: -0.027+/-0.056 χ^2/NDF: 50.3/39

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.068+/-0.058 χ^2/NDF:39.5/34

Out: 0.066+/-0.057 χ^2/NDF:46.5/39

All: 0.000+/-0.041 χ^2/NDF: 88.7/74



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 303.853+/-0.055 χ^2/NDF:1887168.9/20

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 301.333+/-0.056 χ^2/NDF:1067574.3/18

Left: 302.615+/-0.039 χ^2/NDF: 2955768.6/39

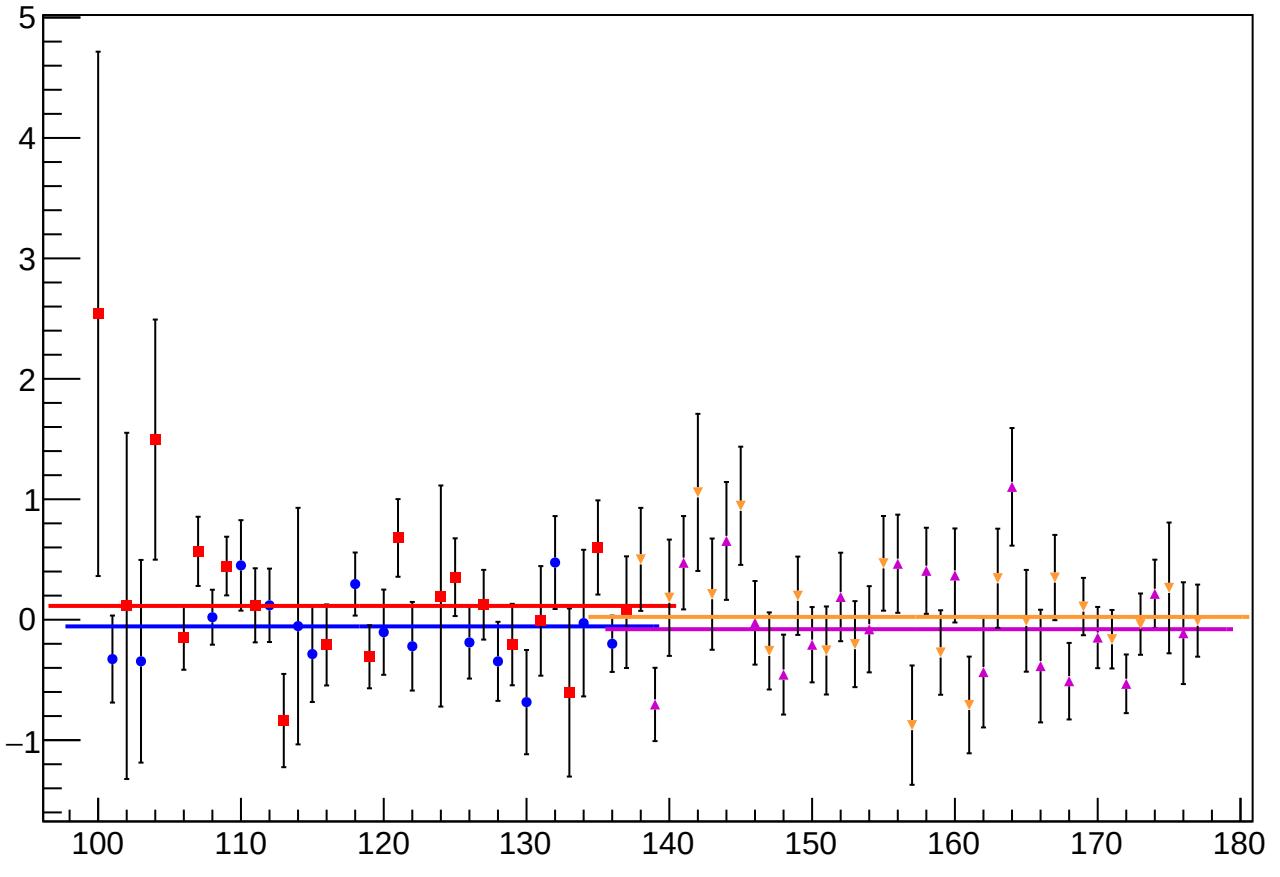
Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 261.584+/-0.041 χ^2/NDF:3298566.6/34

Out: 256.795+/-0.040 χ^2/NDF:5280391.5/39

All: 259.137+/-0.029 χ^2/NDF: 8585885.8/74

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: 0.023+/-0.078 χ^2/NDF:20.7/20

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.079+/-0.079 χ^2/NDF:28.8/18

Left: -0.027+/-0.056 χ^2/NDF: 50.3/39

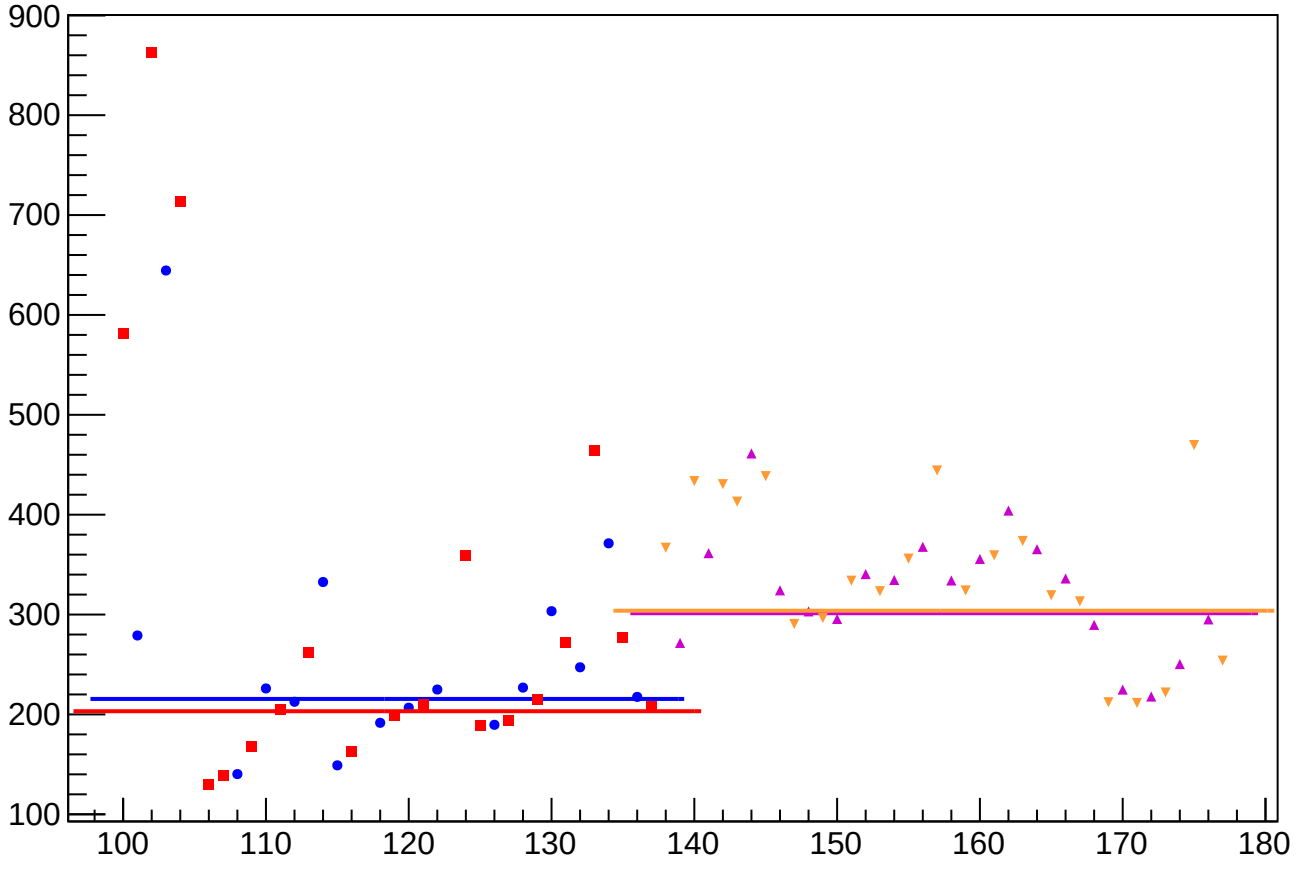
Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.068+/-0.058 χ^2/NDF:39.5/34

Out: 0.066+/-0.057 χ^2/NDF:46.5/39

All: 0.000+/-0.041 χ^2/NDF: 88.7/74

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 303.853+/-0.055 χ^2/NDF:1887168.9/20

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 301.333+/-0.056 χ^2/NDF:1067574.3/18

Left: 302.615+/-0.039 χ^2/NDF: 2955768.6/39

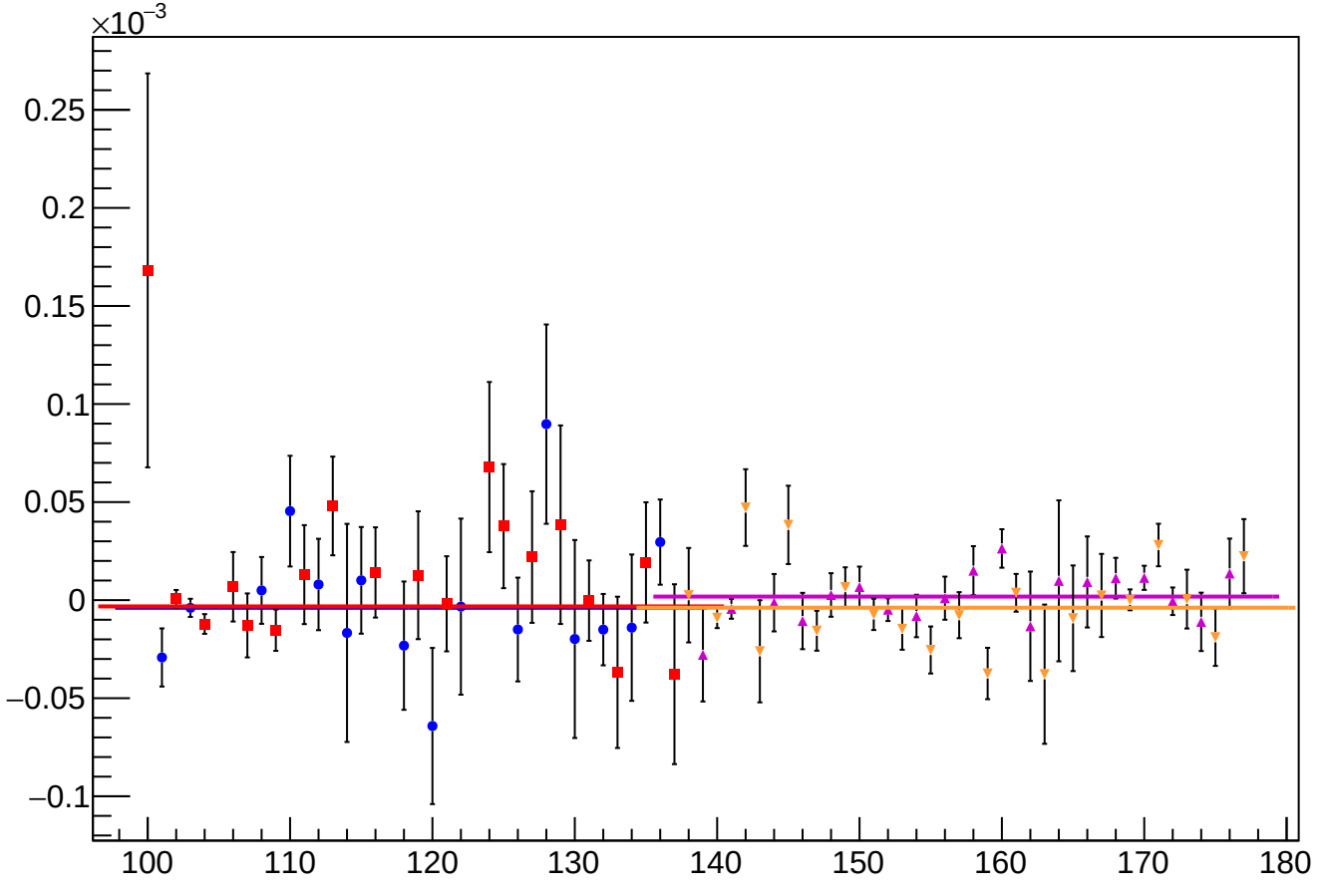
Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 261.584+/-0.041 χ^2/NDF:3298566.6/34

Out: 256.795+/-0.040 χ^2/NDF:5280391.5/39

All: 259.137+/-0.029 χ^2/NDF: 8585885.8/74

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:40.6/20

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:18.6/18

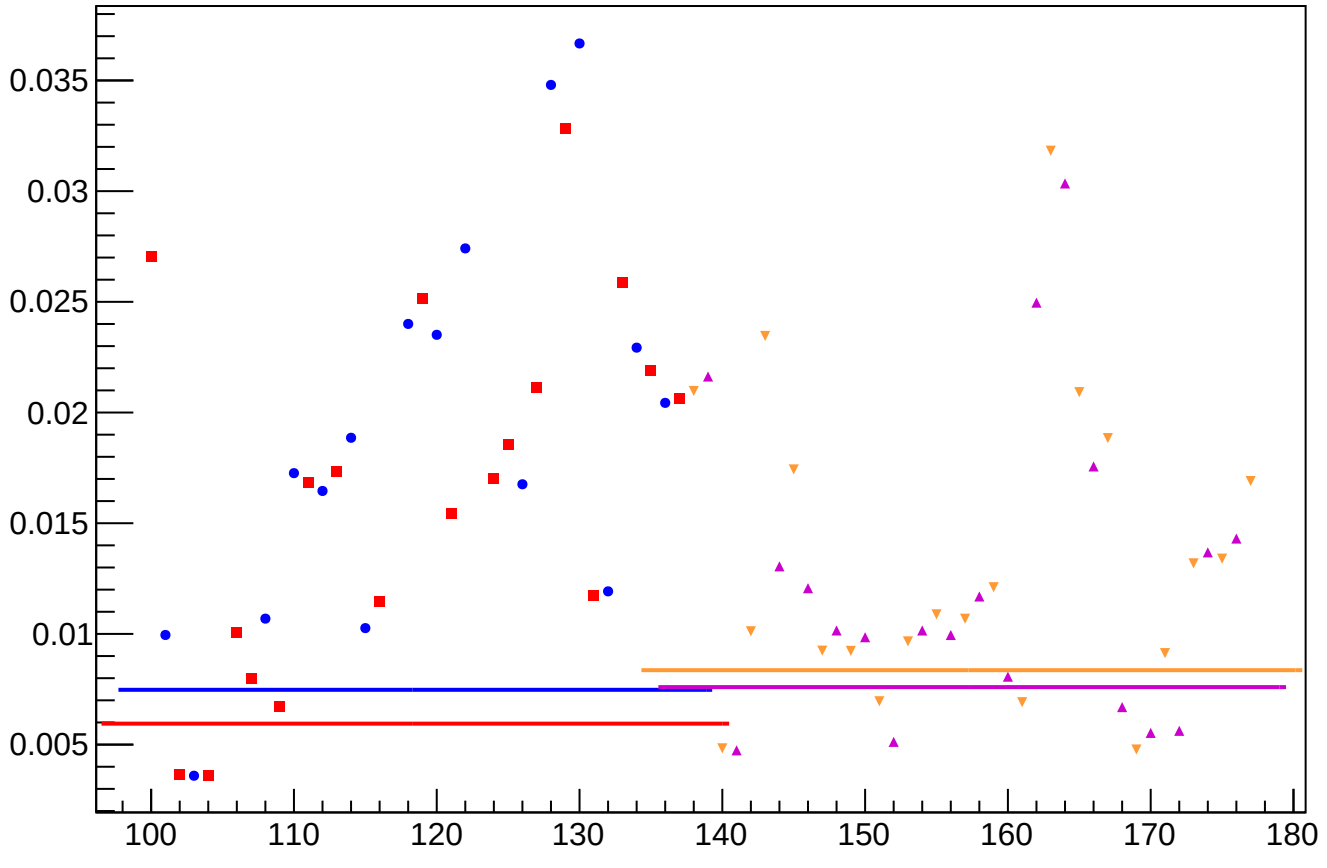
Left: -0.000+/-0.000 χ^2/NDF: 62.2/39

Right: -0.000+/-0.000 χ^2/NDF: 37.6/34

In: 0.000+/-0.000 χ^2/NDF:36.2/34

Out: -0.000+/-0.000 χ^2/NDF:62.3/39

All: -0.000+/-0.000 χ^2/NDF: 100.7/74



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:6610329.6/20

Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.008+/-0.000 χ^2/NDF:5571622.9/18

Left: 0.008+/-0.000 χ^2/NDF: 12292126.7/39

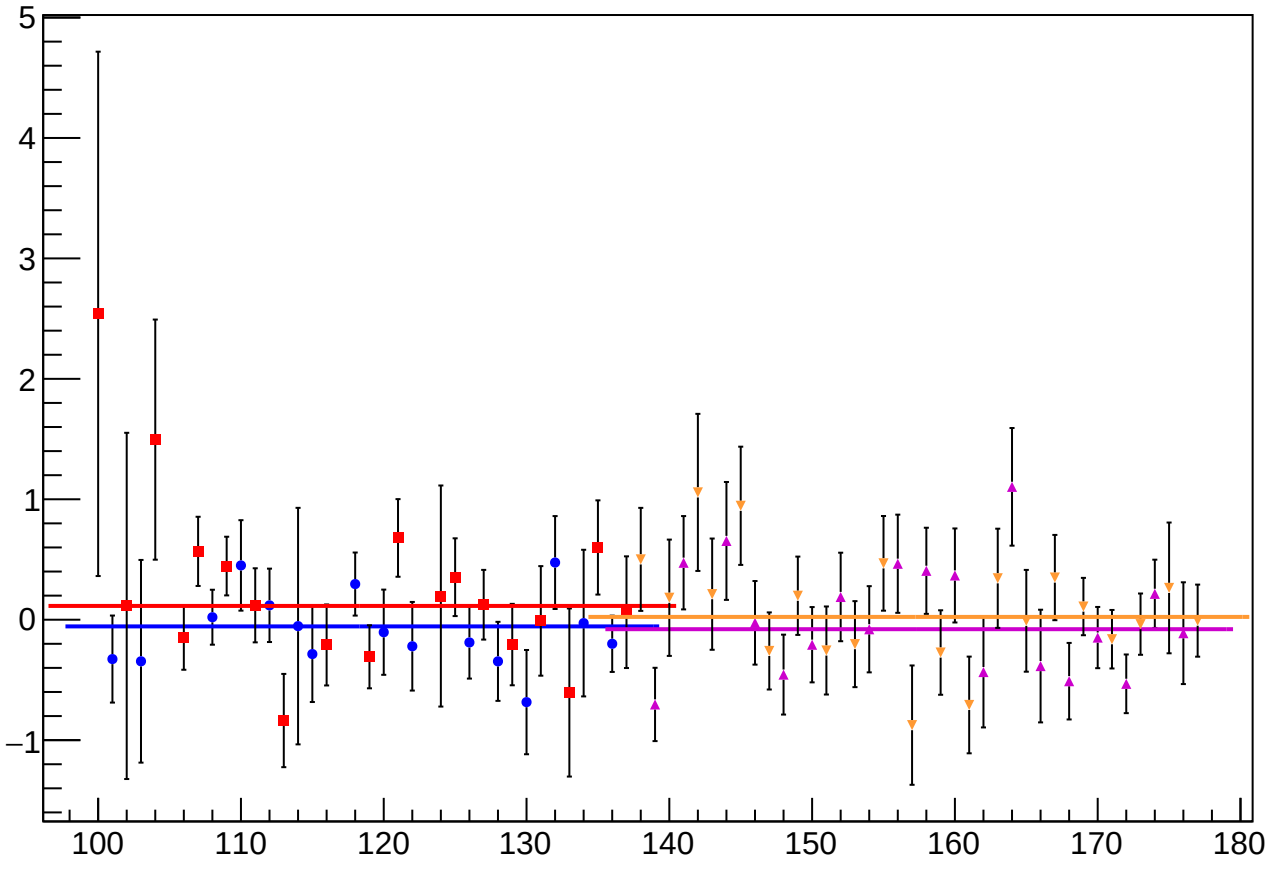
Right: 0.007+/-0.000 χ^2/NDF: 12215563.8/34

In: 0.008+/-0.000 χ^2/NDF:11649354.8/34

Out: 0.007+/-0.000 χ^2/NDF:13379260.1/39

All: 0.007+/-0.000 χ^2/NDF: 25036623.5/74

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: 0.023+/-0.078 χ^2/NDF:20.7/20

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.079+/-0.079 χ^2/NDF:28.8/18

Left: -0.027+/-0.056 χ^2/NDF: 50.3/39

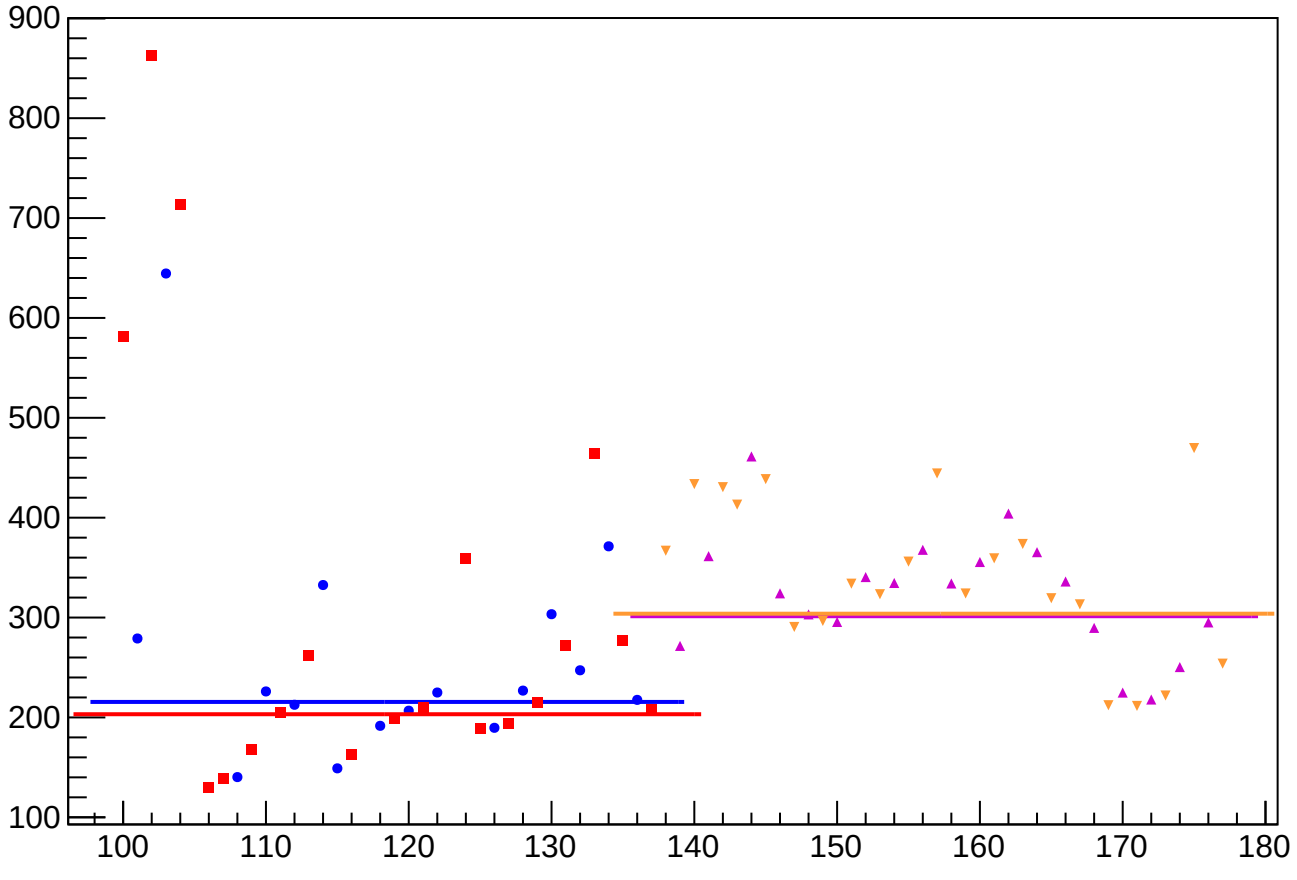
Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.068+/-0.058 χ^2/NDF:39.5/34

Out: 0.066+/-0.057 χ^2/NDF:46.5/39

All: 0.000+/-0.041 χ^2/NDF: 88.7/74

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 303.856+/-0.055 χ^2/NDF:1887252.1/20

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 301.336+/-0.056 χ^2/NDF:1067625.8/18

Left: 302.619+/-0.039 χ^2/NDF: 2955903.0/39

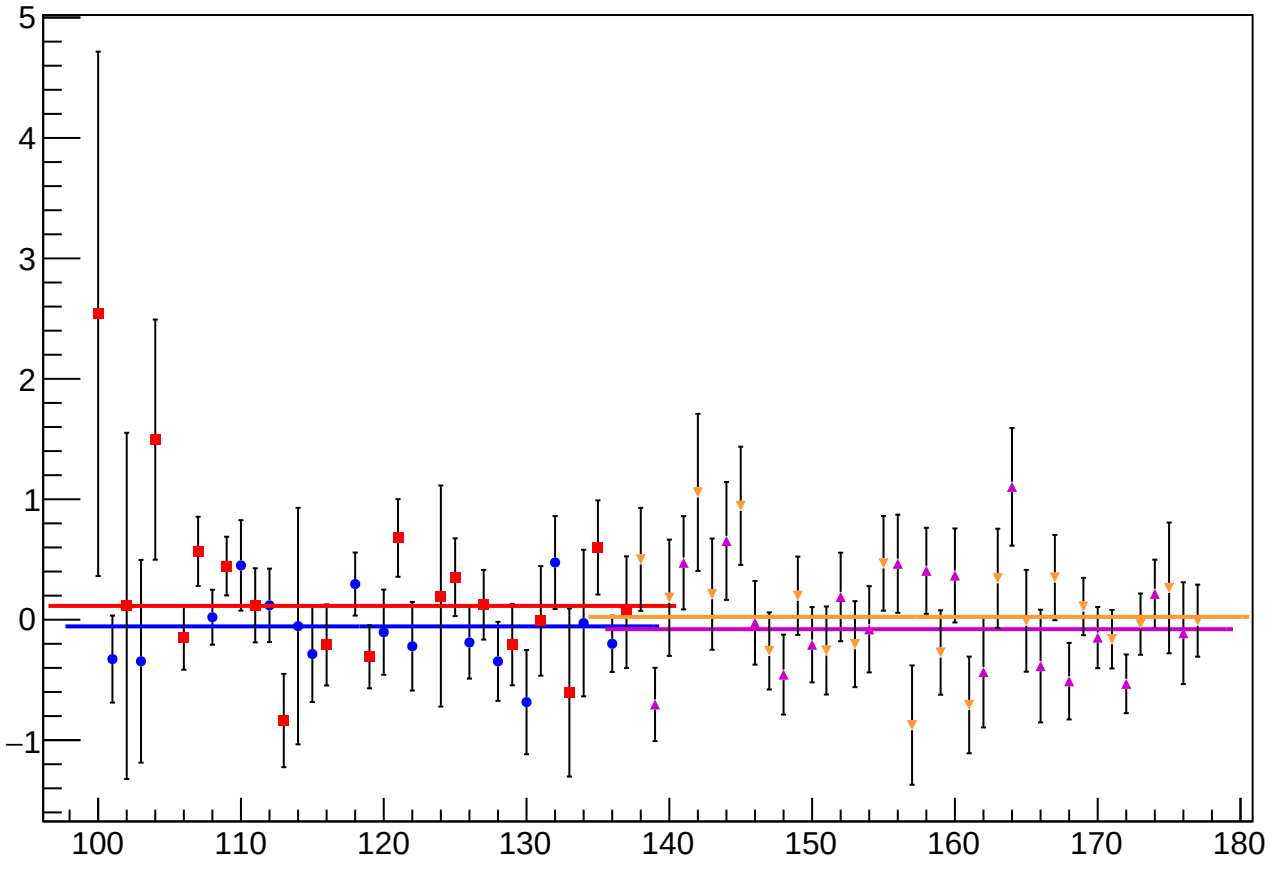
Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 261.585+/-0.041 χ^2/NDF:3298703.9/34

Out: 256.795+/-0.040 χ^2/NDF:5280596.0/39

All: 259.137+/-0.029 χ^2/NDF: 8586229.0/74

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: 0.023+/-0.078 χ^2/NDF:20.7/20

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.079+/-0.079 χ^2/NDF:28.8/18

Left: -0.027+/-0.056 χ^2/NDF: 50.3/39

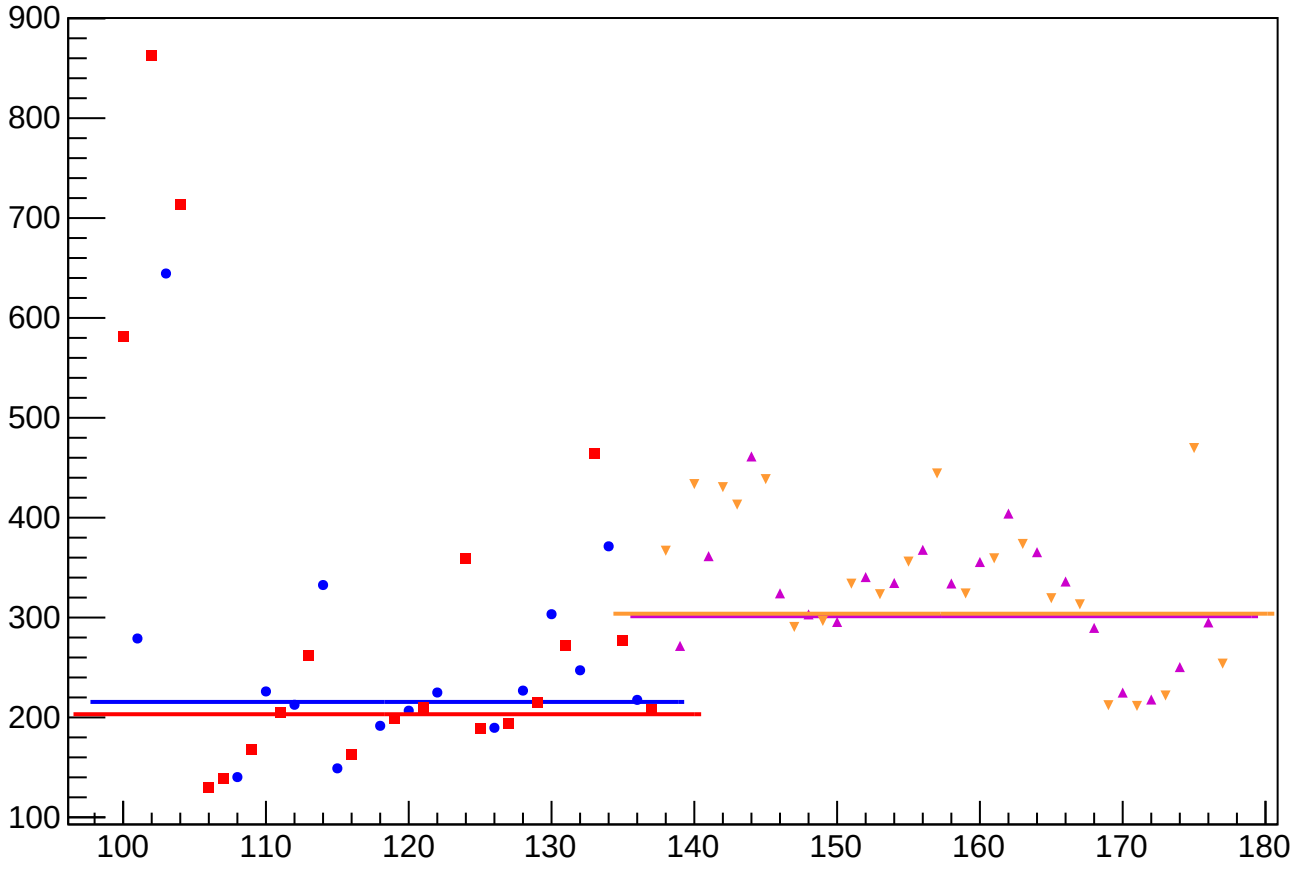
Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.068+/-0.058 χ^2/NDF:39.5/34

Out: 0.066+/-0.057 χ^2/NDF:46.5/39

All: 0.000+/-0.041 χ^2/NDF: 88.7/74

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: 303.856+/-0.055 χ^2/NDF:1887252.1/20

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 301.336+/-0.056 χ^2/NDF:1067625.8/18

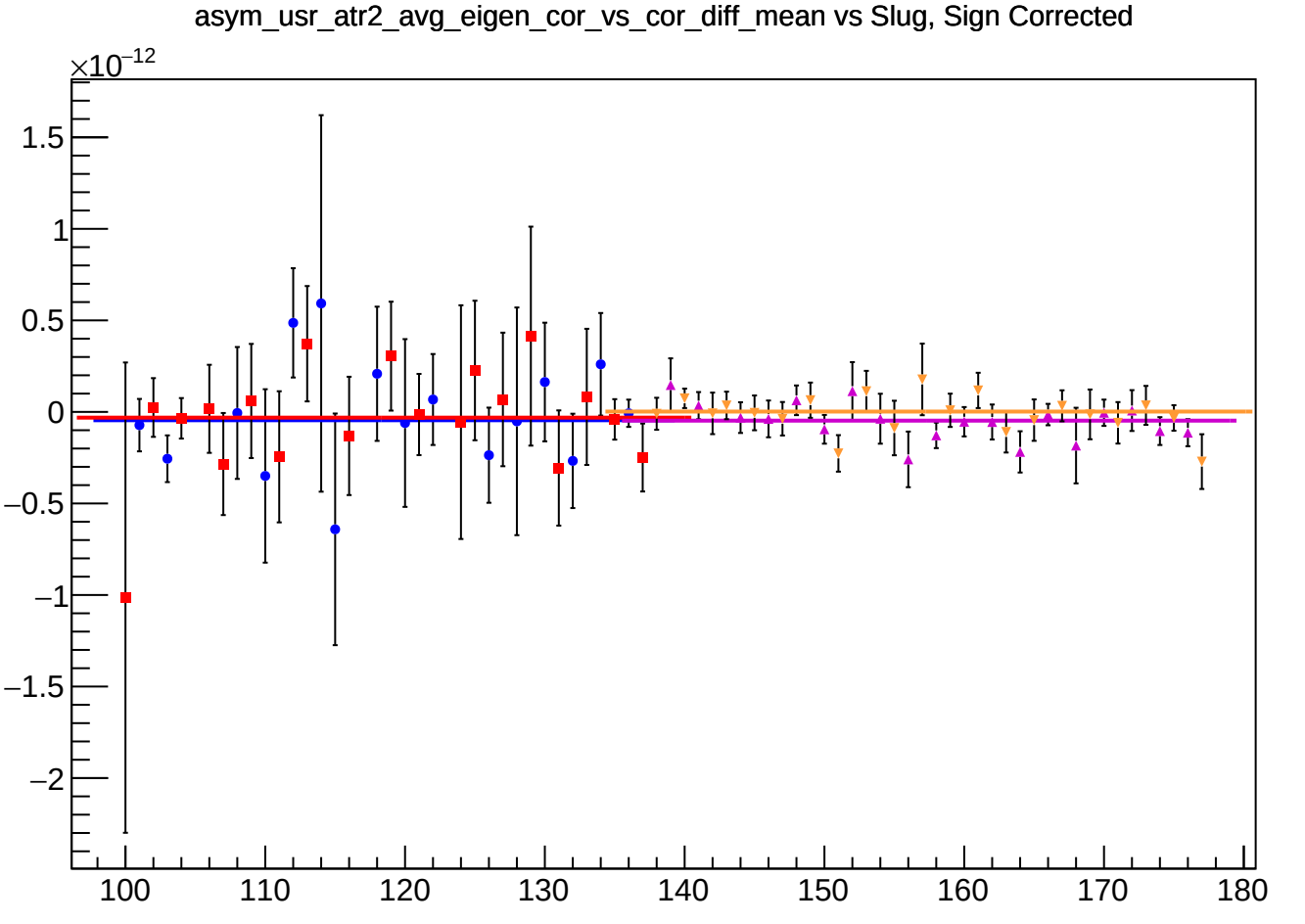
Left: 302.619+/-0.039 χ^2/NDF: 2955903.0/39

Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 261.585+/-0.041 χ^2/NDF:3298703.9/34

Out: 256.795+/-0.040 χ^2/NDF:5280596.0/39

All: 259.137+/-0.029 χ^2/NDF: 8586229.0/74



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.8/20

Right Out: -0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: -0.000+/-0.000 χ^2/NDF:14.6/18

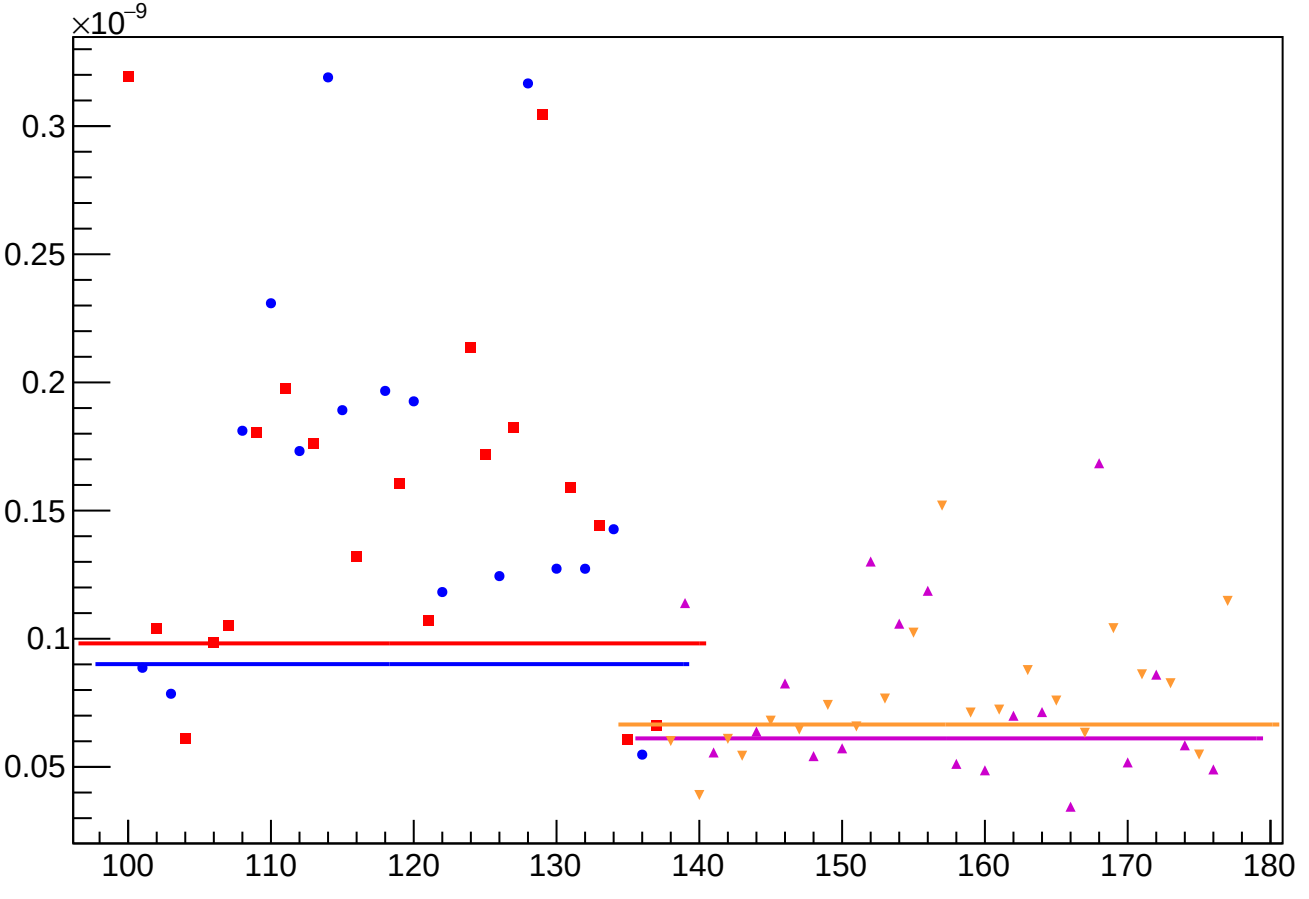
Left: -0.000+/-0.000 χ^2/NDF: 34.4/39

Right: -0.000+/-0.000 χ^2/NDF: 19.9/34

In: -0.000+/-0.000 χ^2/NDF:26.1/34

Out: -0.000+/-0.000 χ^2/NDF:25.5/39

All: -0.000+/-0.000 χ^2/NDF: 54.4/74



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1757318.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2536041.5/18

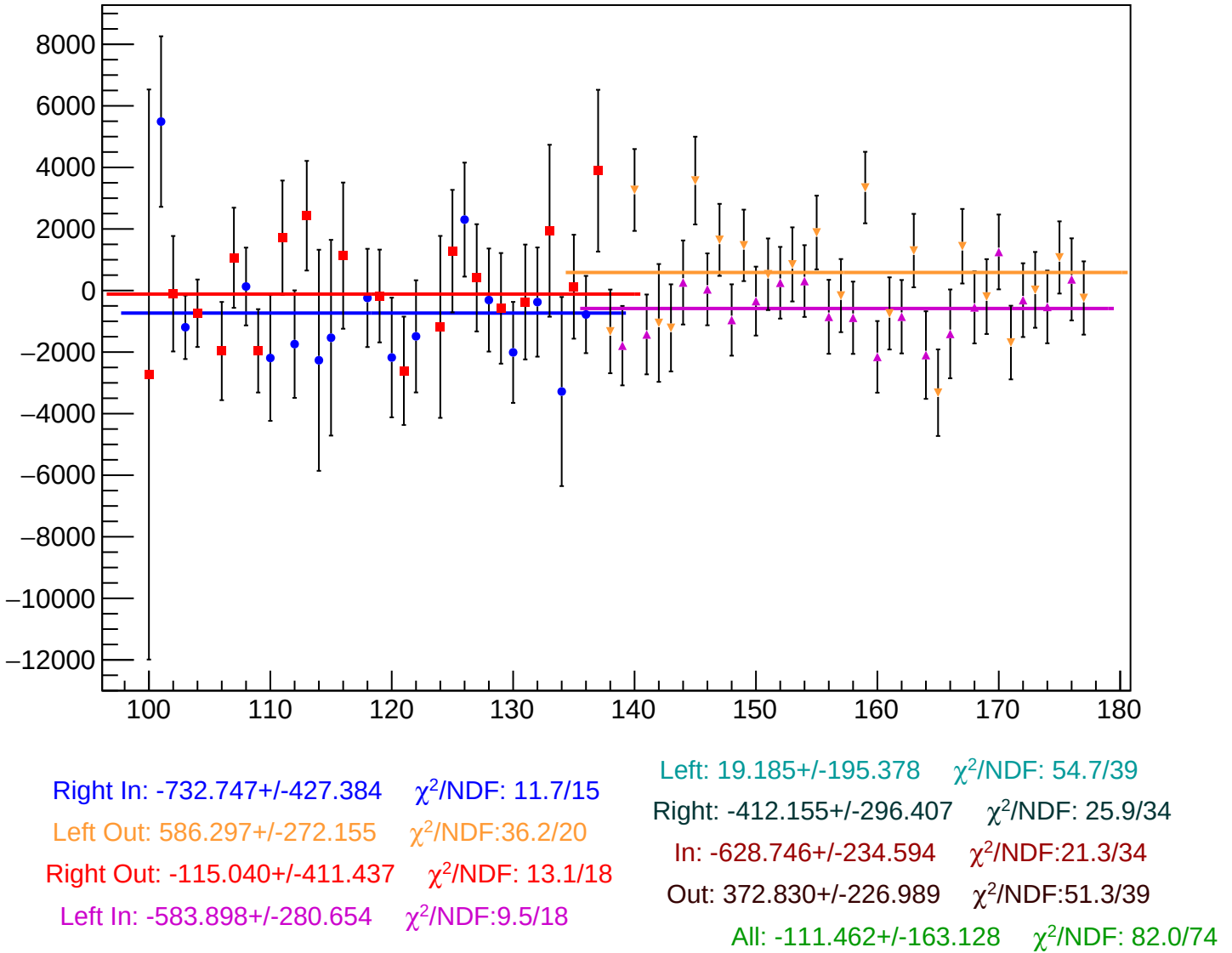
Left: 0.000+/-0.000 χ^2/NDF: 4363031.0/39

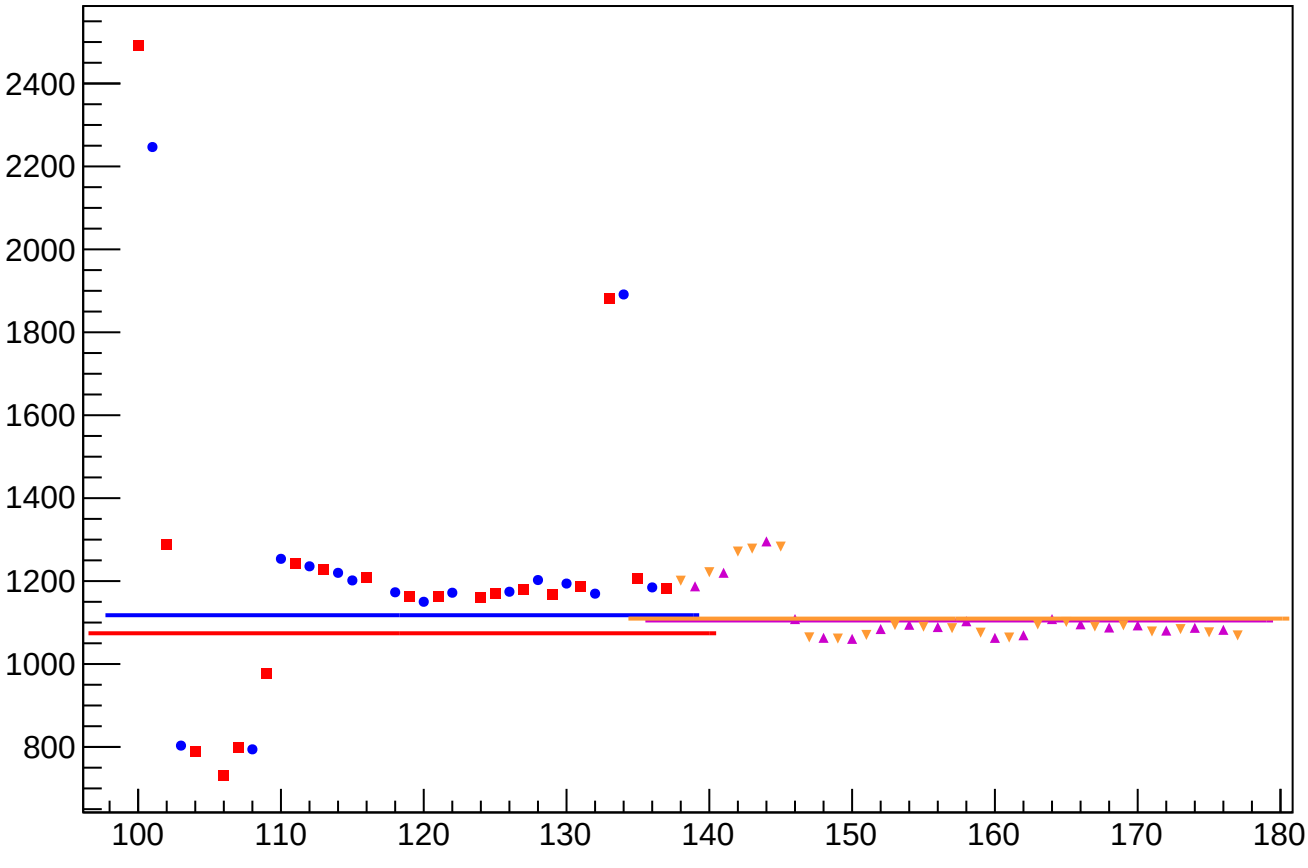
Right: 0.000+/-0.000 χ^2/NDF: 3527917.4/34

In: 0.000+/-0.000 χ^2/NDF:4920764.4/34

Out: 0.000+/-0.000 χ^2/NDF:4089444.2/39

All: 0.000+/-0.000 χ^2/NDF: 9097474.1/74


reg_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
Right In: -732.747+/-427.384 χ²/NDF: 11.7/15
Left Out: 586.297+/-272.155 χ²/NDF:36.2/20
Right Out: -115.040+/-411.437 χ²/NDF: 13.1/18
Left In: -583.898+/-280.654 χ²/NDF:9.5/18
Left: 19.185+/-195.378 χ²/NDF: 54.7/39
Right: -412.155+/-296.407 χ²/NDF: 25.9/34
In: -628.746+/-234.594 χ²/NDF:21.3/34
Out: 372.830+/-226.989 χ²/NDF:51.3/39
All: -111.462+/-163.128 χ²/NDF: 82.0/74



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1109.533+/-0.192 χ^2/NDF:117969.5/20

Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1105.024+/-0.198 χ^2/NDF:76707.6/18

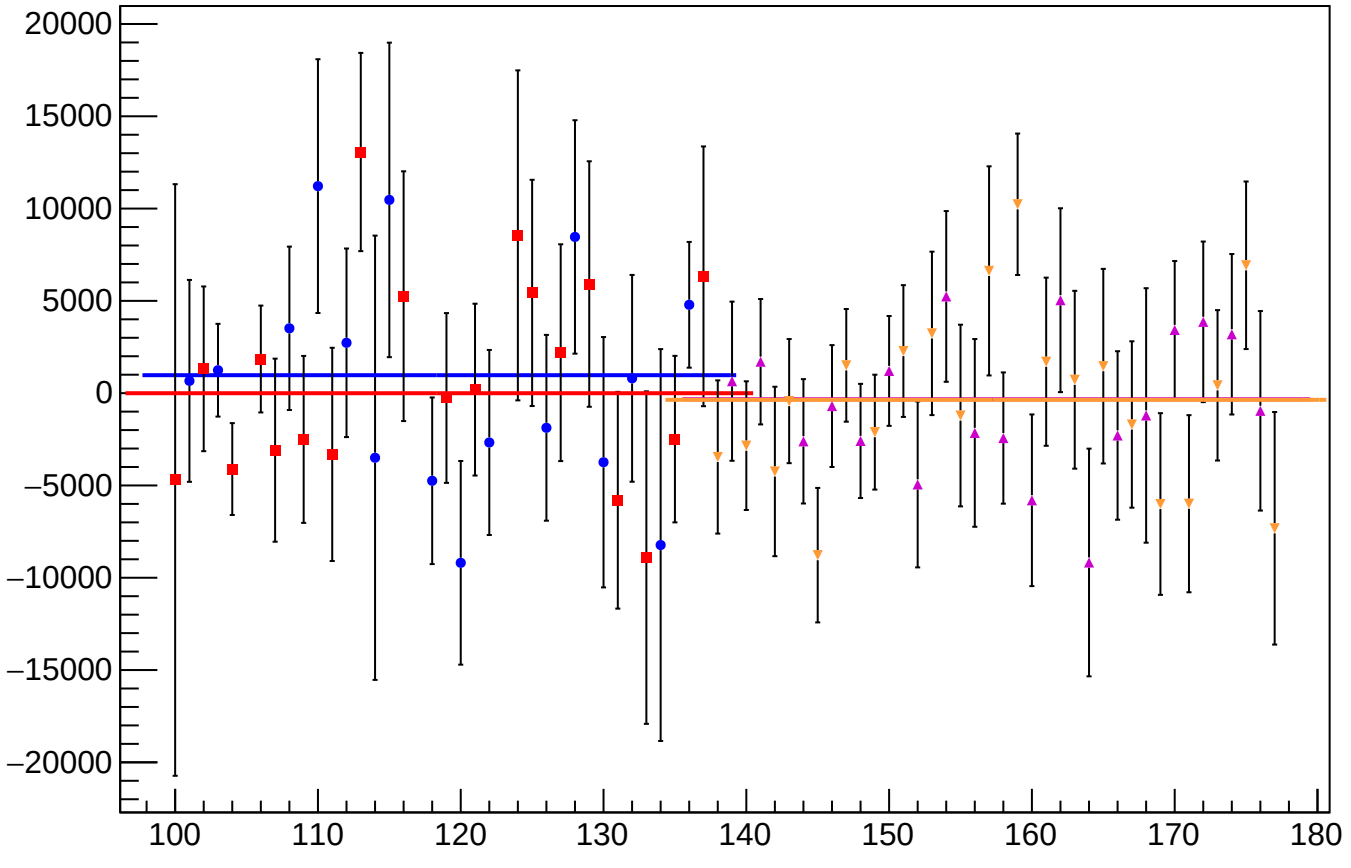
Left: 1107.348+/-0.138 χ^2/NDF: 194943.1/39

Right: 1094.908+/-0.209 χ^2/NDF: 1480200.6/34

In: 1108.838+/-0.166 χ^2/NDF:897768.8/34

Out: 1098.638+/-0.160 χ^2/NDF:777888.0/39

All: 1103.557+/-0.115 χ^2/NDF: 1677614.4/74



Right In: 973.755+/-1232.754 χ^2/NDF: 13.8/15

Left Out: -360.083+/-902.589 χ^2/NDF:25.2/20

Right Out: -2.885+/-1113.897 χ^2/NDF: 16.6/18

Left In: -329.017+/-934.318 χ^2/NDF:12.1/18

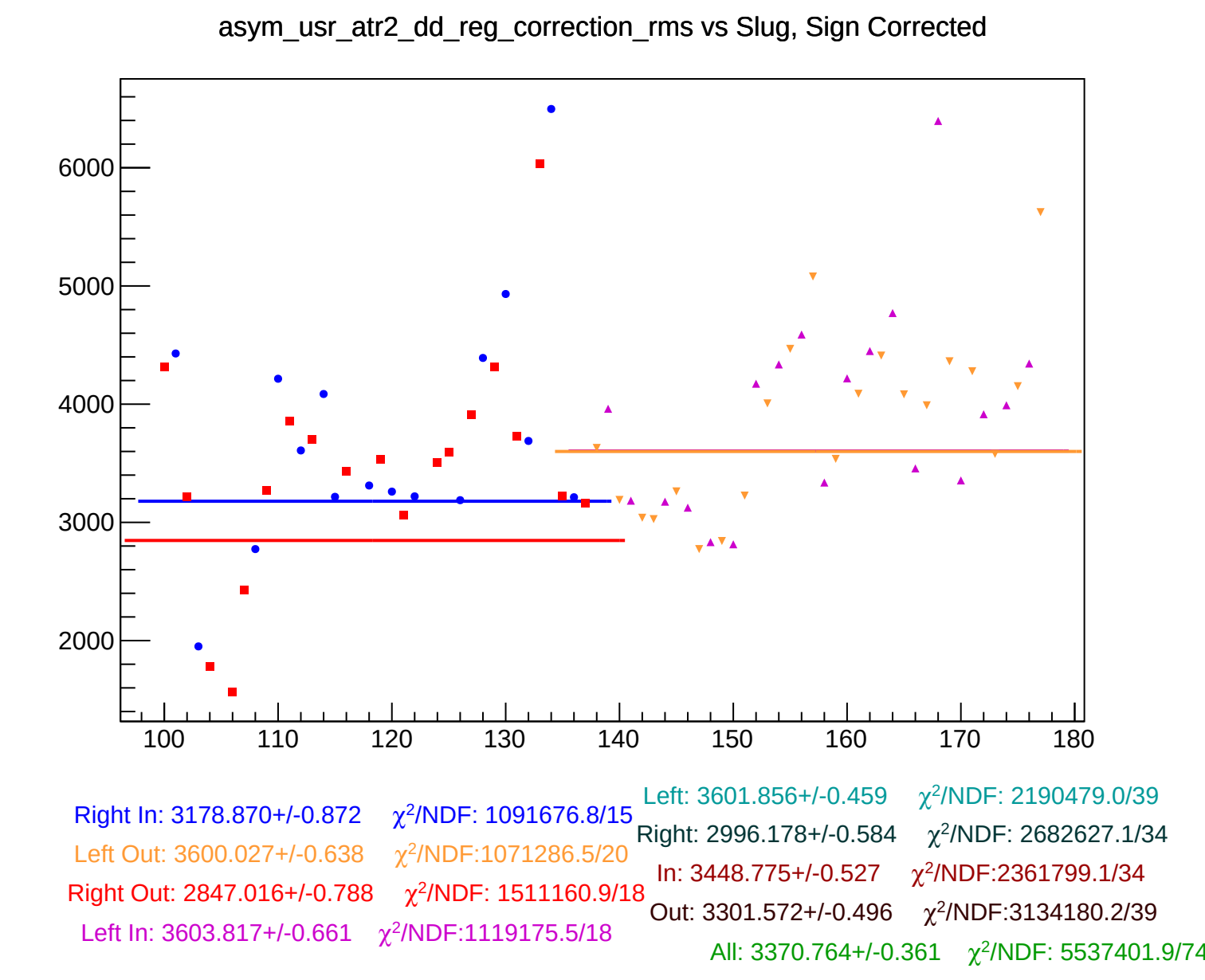
Left: -345.087+/-649.154 χ^2/NDF: 37.3/39

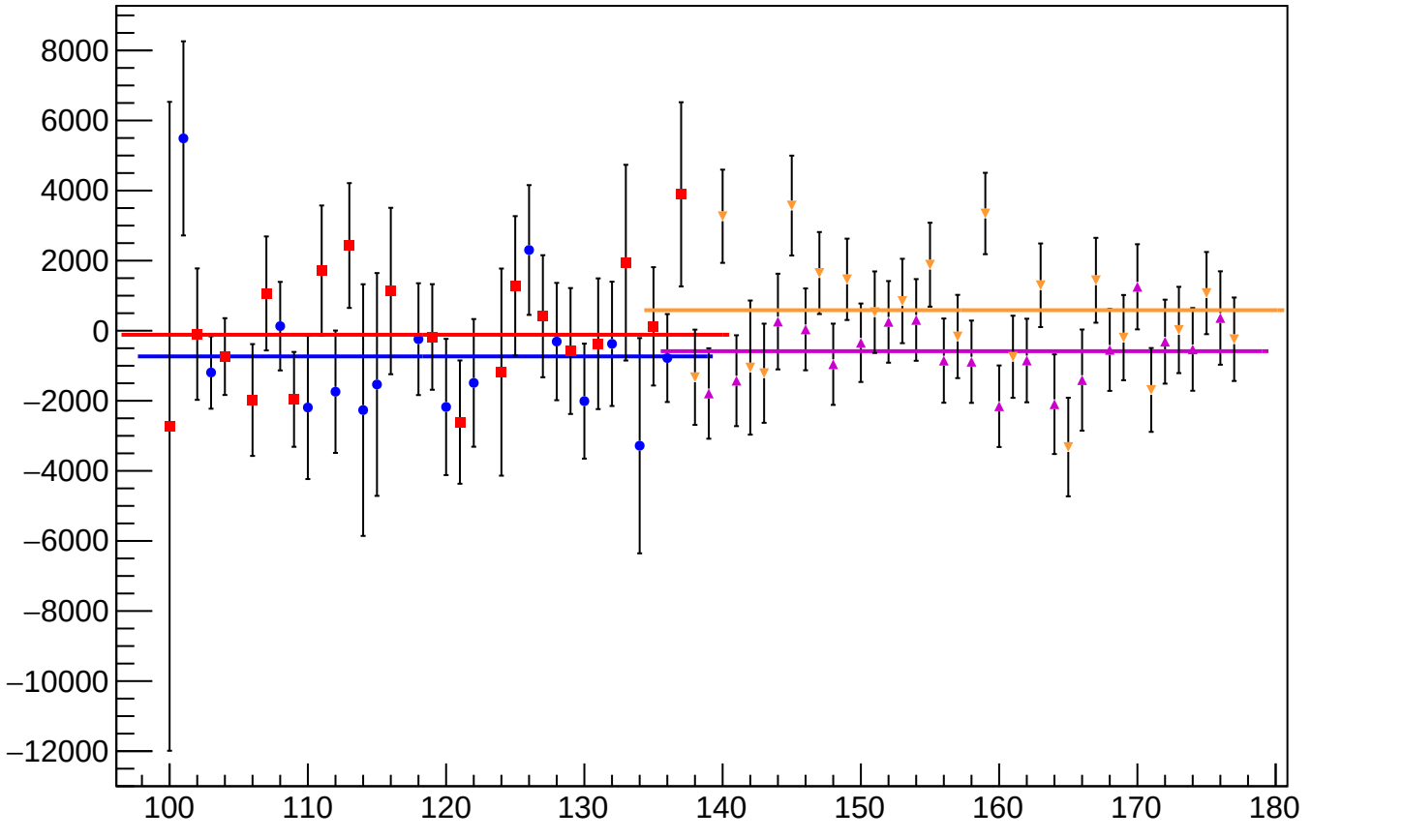
Right: 436.095+/-826.478 χ^2/NDF: 30.7/34

In: 146.298+/-744.617 χ^2/NDF:26.6/34

Out: -218.508+/-701.267 χ^2/NDF:41.8/39

All: -47.033+/-510.508 χ^2/NDF: 68.5/74


asym_usr_atr2_dd_reg_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
Right In: 3178.870+/-0.872 χ²/NDF: 1091676.8/15
Left Out: 3600.027+/-0.638 χ²/NDF:1071286.5/20
Right Out: 2847.016+/-0.788 χ²/NDF: 1511160.9/18
Left In: 3603.817+/-0.661 χ²/NDF:1119175.5/18
Left: 3601.856+/-0.459 χ²/NDF: 2190479.0/39
Right: 2996.178+/-0.584 χ²/NDF: 2682627.1/34
In: 3448.775+/-0.527 χ²/NDF:2361799.1/34
Out: 3301.572+/-0.496 χ²/NDF:3134180.2/39
All: 3370.764+/-0.361 χ²/NDF: 5537401.9/74



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 586.347+/-272.155 χ^2/NDF:36.2/20

Right Out: -115.308+/-411.441 χ^2/NDF: 13.1/18

Left In: -583.846+/-280.654 χ^2/NDF:9.5/18

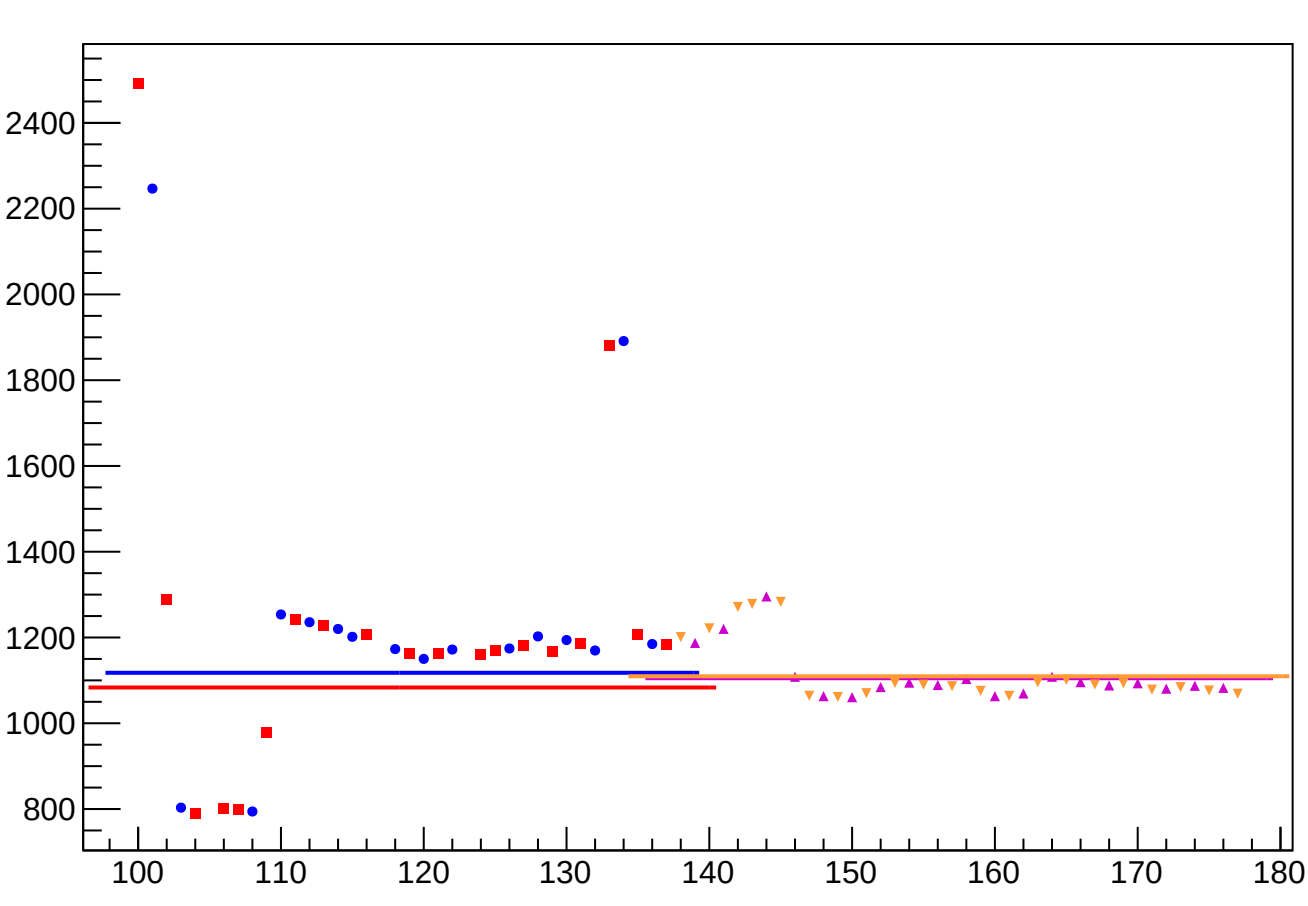
Left: 19.236+/-195.378 χ^2/NDF: 54.7/39

Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -628.690+/-234.594 χ^2/NDF:21.3/34

Out: 372.787+/-226.990 χ^2/NDF:51.4/39

All: -111.458+/-163.128 χ^2/NDF: 82.1/74



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1109.533+/-0.192 χ^2/NDF:117969.5/20

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1105.024+/-0.198 χ^2/NDF:76707.6/18

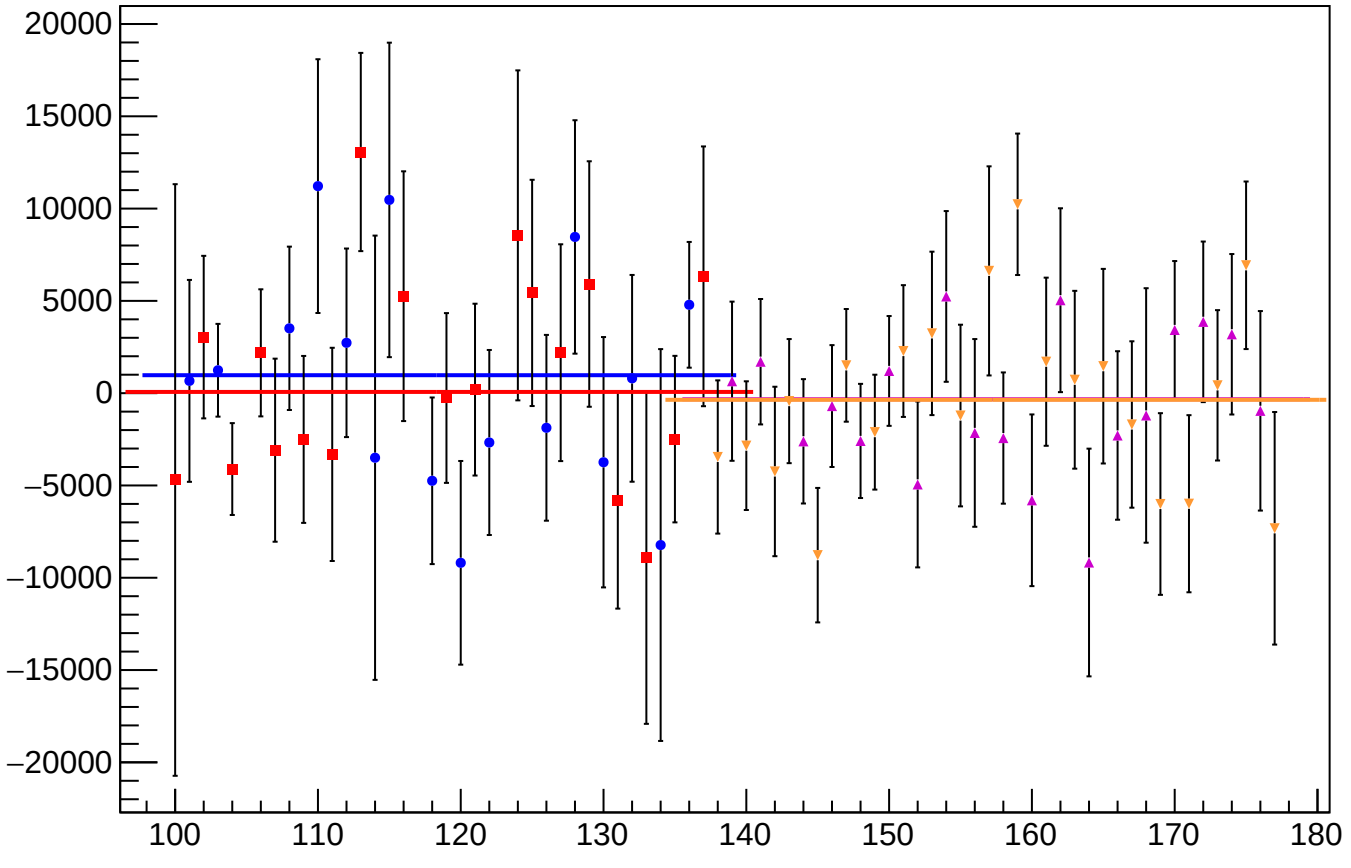
Left: 1107.348+/-0.138 χ^2/NDF: 194943.1/39

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1108.838+/-0.166 χ^2/NDF:897765.5/34

Out: 1101.564+/-0.160 χ^2/NDF:718604.9/39

All: 1105.079+/-0.115 χ^2/NDF: 1617364.1/74



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -360.093+/-902.588 χ^2/NDF:25.2/20

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -329.012+/-934.317 χ^2/NDF:12.1/18

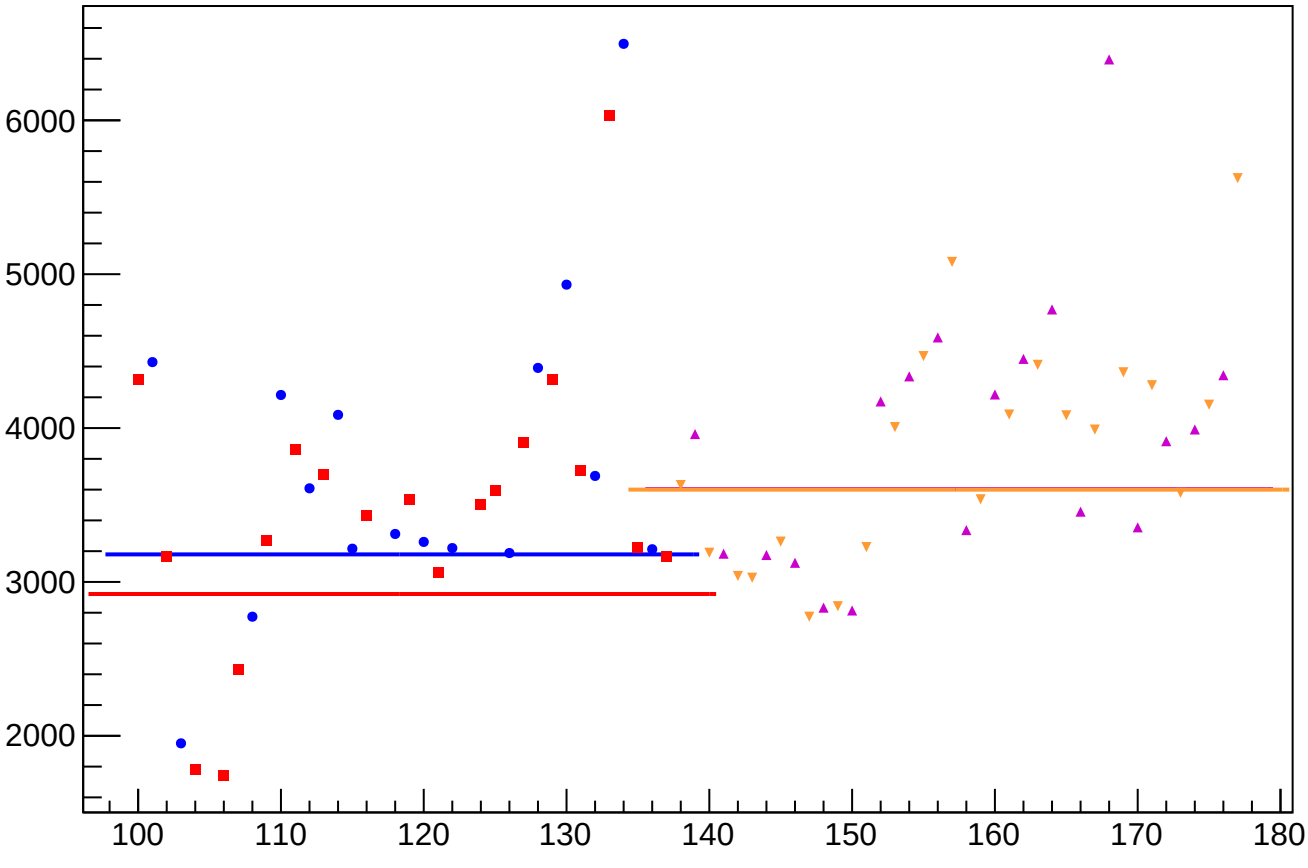
Left: -345.089+/-649.154 χ^2/NDF: 37.3/39

Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 146.095+/-744.628 χ^2/NDF:26.6/34

Out: -195.108+/-707.139 χ^2/NDF:42.2/39

All: -33.312+/-512.764 χ^2/NDF: 68.9/74



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3600.023+/-0.638 χ^2/NDF:1071291.2/20

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3603.815+/-0.661 χ^2/NDF:1119180.2/18

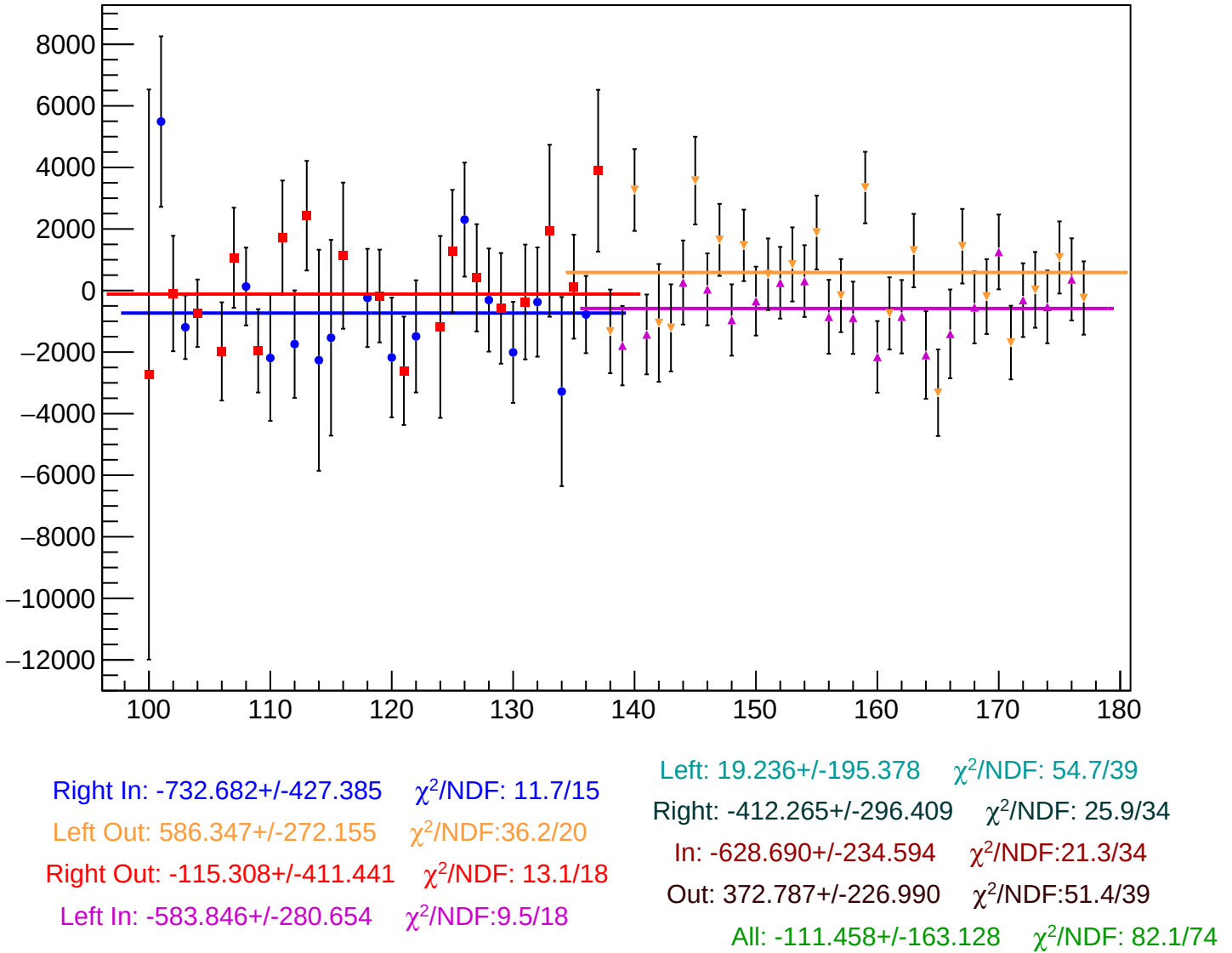
Left: 3601.853+/-0.459 χ^2/NDF: 2190488.4/39

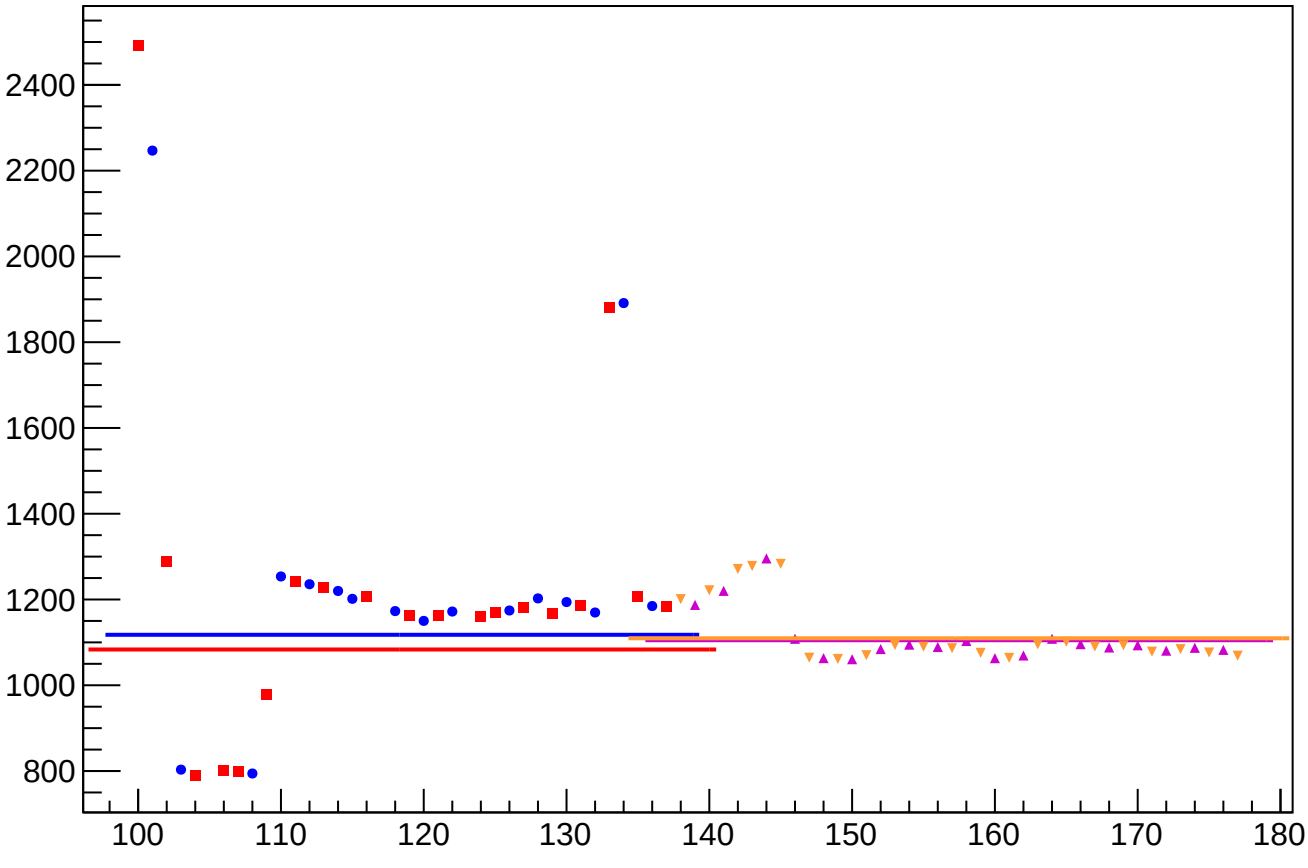
Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3448.849+/-0.527 χ^2/NDF:2361223.5/34

Out: 3338.035+/-0.500 χ^2/NDF:2820502.6/39

All: 3390.582+/-0.363 χ^2/NDF: 5205016.2/74


eigen_cor_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
Right In: -732.682+/-427.385 χ²/NDF: 11.7/15
Left Out: 586.347+/-272.155 χ²/NDF:36.2/20
Right Out: -115.308+/-411.441 χ²/NDF: 13.1/18
Left In: -583.846+/-280.654 χ²/NDF:9.5/18
Left: 19.236+/-195.378 χ²/NDF: 54.7/39
Right: -412.265+/-296.409 χ²/NDF: 25.9/34
In: -628.690+/-234.594 χ²/NDF:21.3/34
Out: 372.787+/-226.990 χ²/NDF:51.4/39
All: -111.458+/-163.128 χ²/NDF: 82.1/74



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1109.533+/-0.192 χ^2/NDF:117969.5/20

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1105.024+/-0.198 χ^2/NDF:76707.6/18

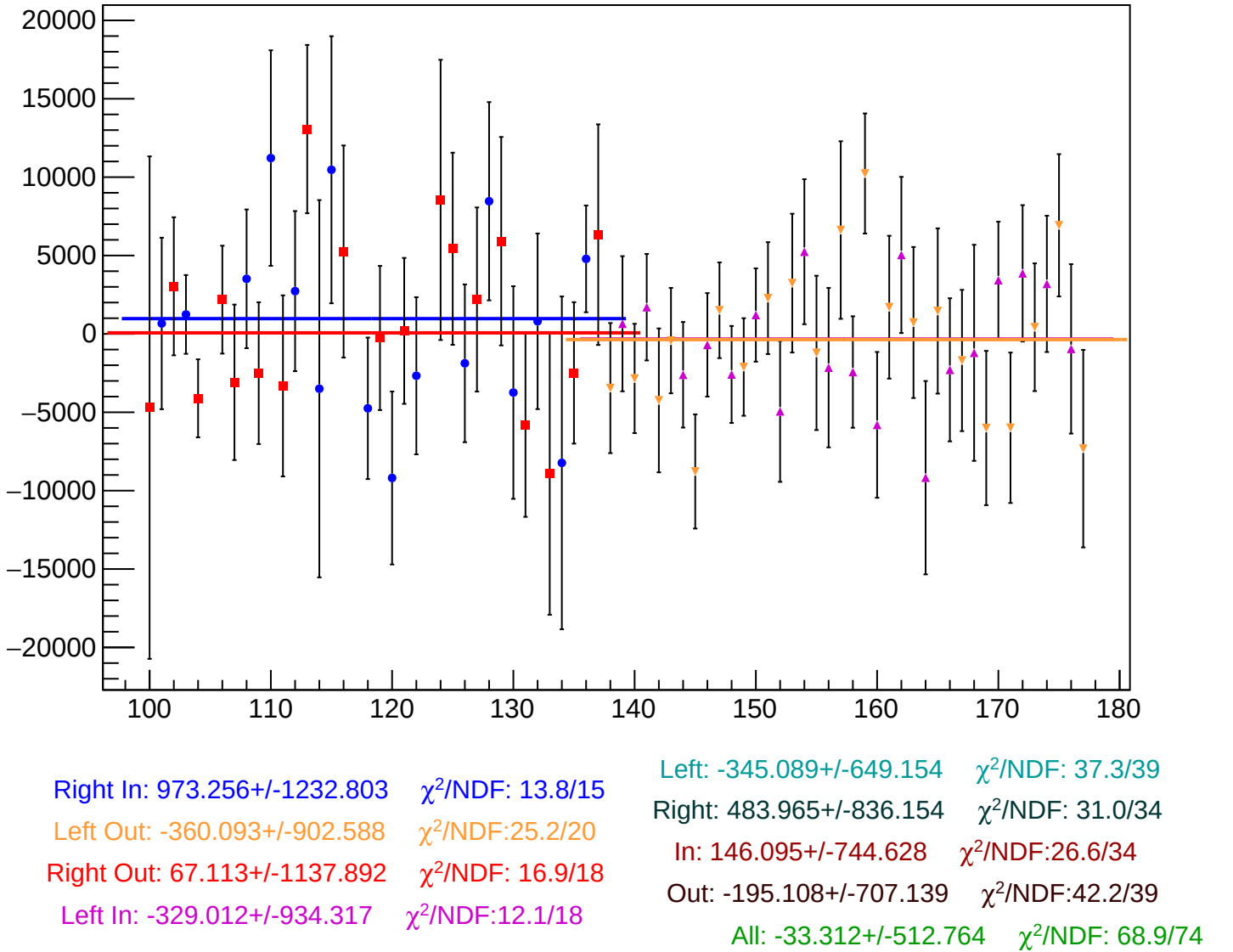
Left: 1107.348+/-0.138 χ^2/NDF: 194943.1/39

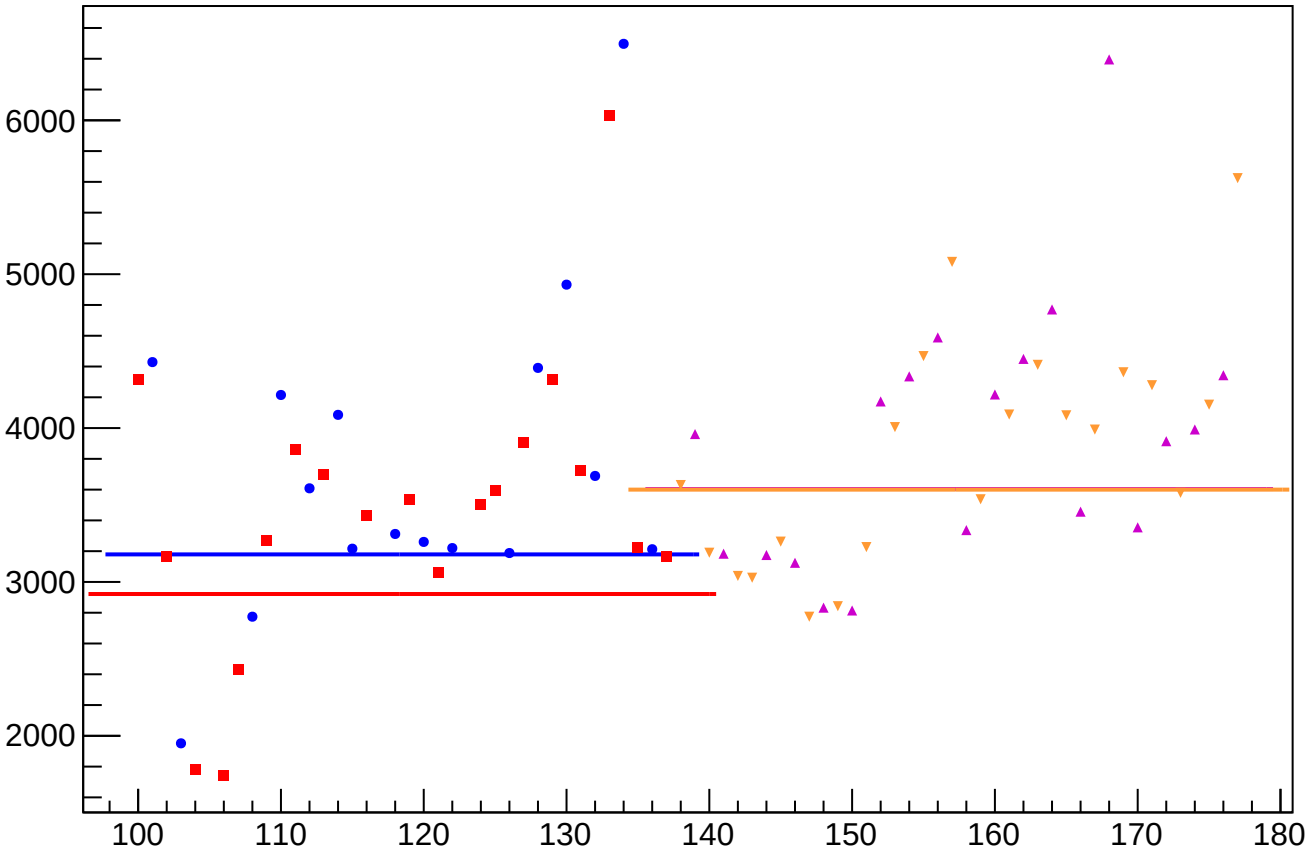
Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1108.838+/-0.166 χ^2/NDF:897765.5/34

Out: 1101.564+/-0.160 χ^2/NDF:718604.9/39

All: 1105.079+/-0.115 χ^2/NDF: 1617364.1/74


asym_usr_atr2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
Right In: 973.256+/-1232.803 χ²/NDF: 13.8/15
Left Out: -360.093+/-902.588 χ²/NDF:25.2/20
Right Out: 67.113+/-1137.892 χ²/NDF: 16.9/18
Left In: -329.012+/-934.317 χ²/NDF:12.1/18
Left: -345.089+/-649.154 χ²/NDF: 37.3/39
Right: 483.965+/-836.154 χ²/NDF: 31.0/34
In: 146.095+/-744.628 χ²/NDF:26.6/34
Out: -195.108+/-707.139 χ²/NDF:42.2/39
All: -33.312+/-512.764 χ²/NDF: 68.9/74



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3600.023+/-0.638 χ^2/NDF:1071291.2/20

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3603.815+/-0.661 χ^2/NDF:1119180.2/18

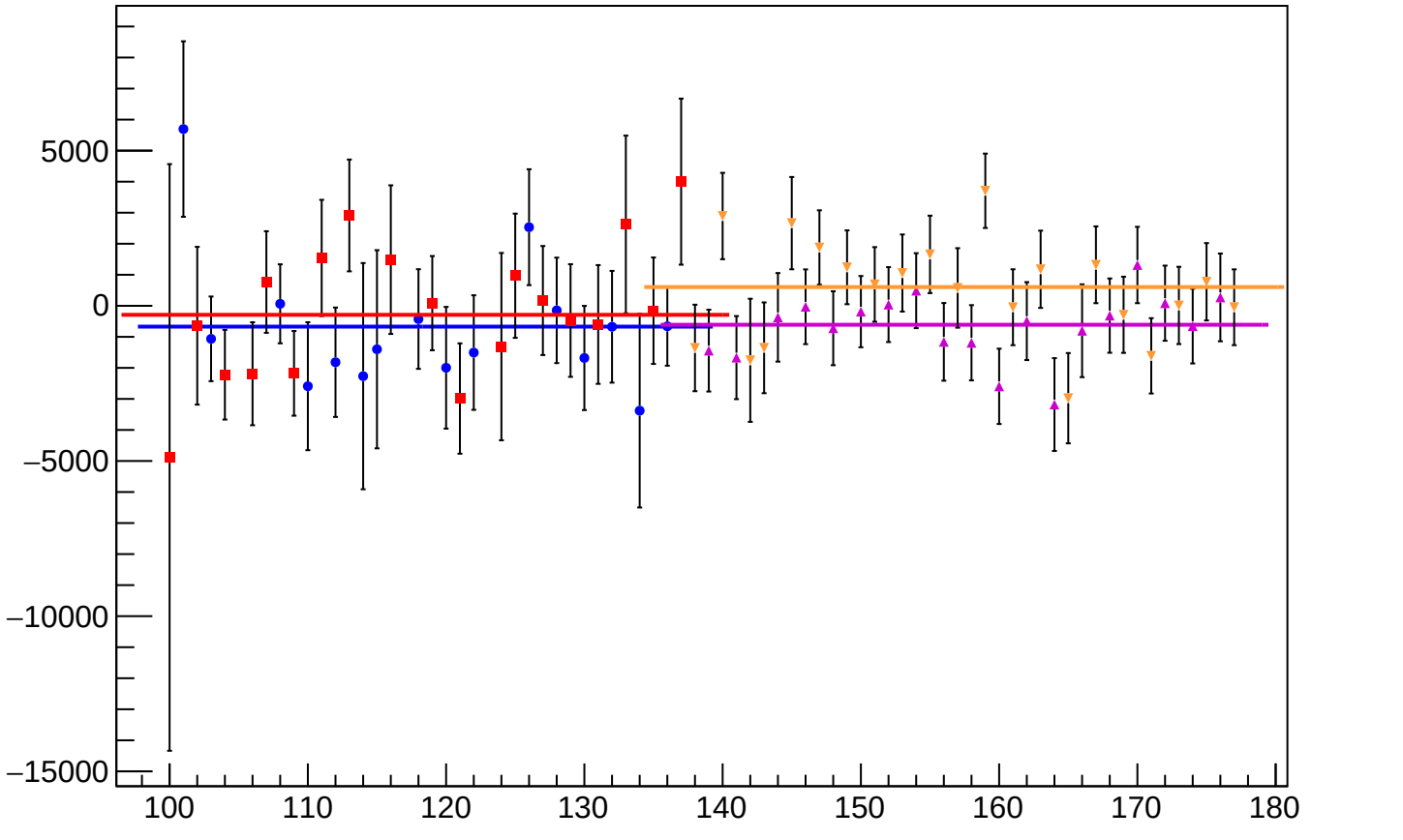
Left: 3601.853+/-0.459 χ^2/NDF: 2190488.4/39

Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3448.849+/-0.527 χ^2/NDF:2361223.5/34

Out: 3338.035+/-0.500 χ^2/NDF:2820502.6/39

All: 3390.582+/-0.363 χ^2/NDF: 5205016.2/74



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 604.403+/-281.261 χ^2/NDF:30.1/20

Right Out: -290.311+/-434.425 χ^2/NDF: 16.9/18

Left In: -610.678+/-289.762 χ^2/NDF:11.9/18

Left: 14.948+/-201.820 χ^2/NDF: 51.0/39

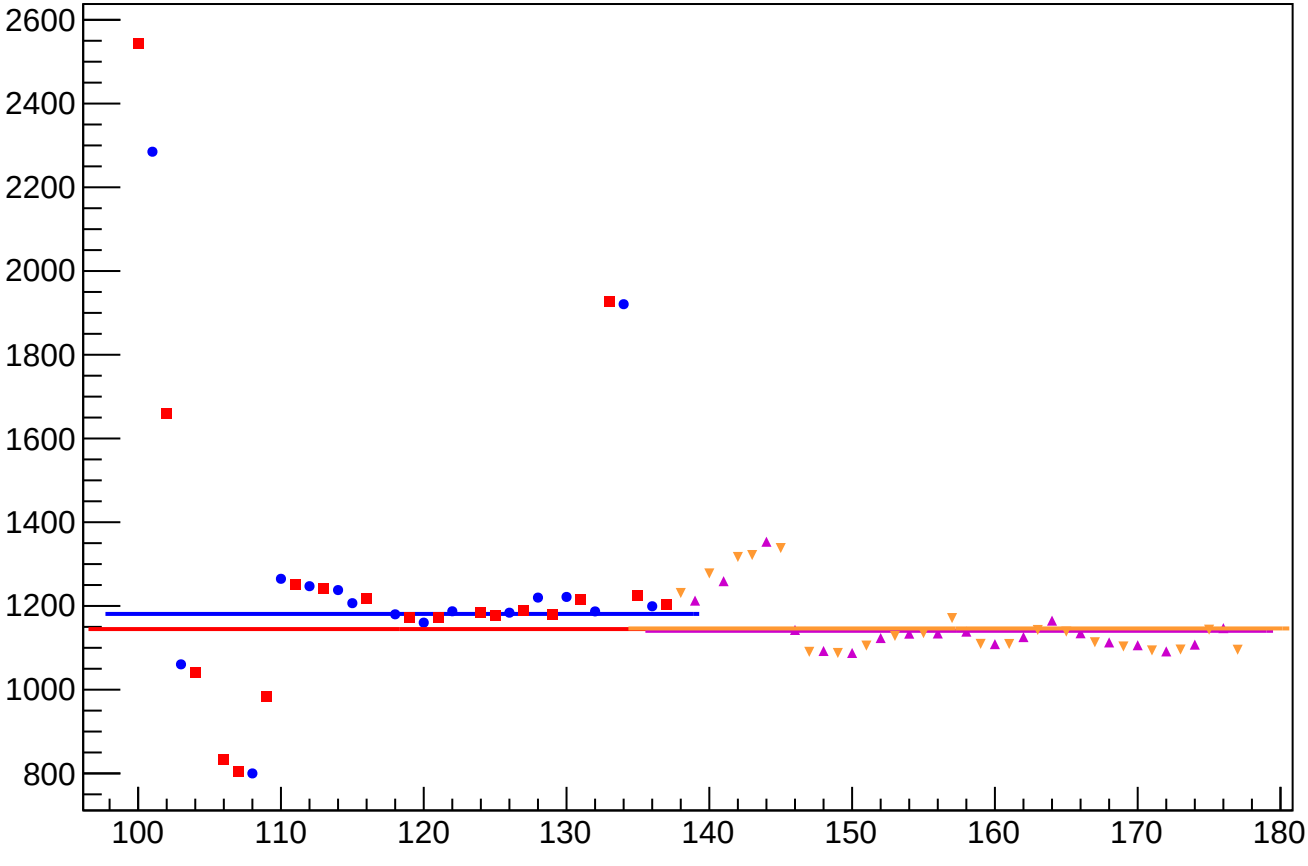
Right: -474.501+/-312.042 χ^2/NDF: 29.2/34

In: -628.389+/-243.385 χ^2/NDF:23.7/34

Out: 340.138+/-236.098 χ^2/NDF:50.0/39

All: -129.409+/-169.464 χ^2/NDF: 81.9/74

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1146.266+/-0.199 χ^2/NDF:133168.6/20

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

Left In: 1140.621+/-0.205 χ^2/NDF:83932.5/18

Left: 1143.527+/-0.143 χ^2/NDF: 217491.9/39

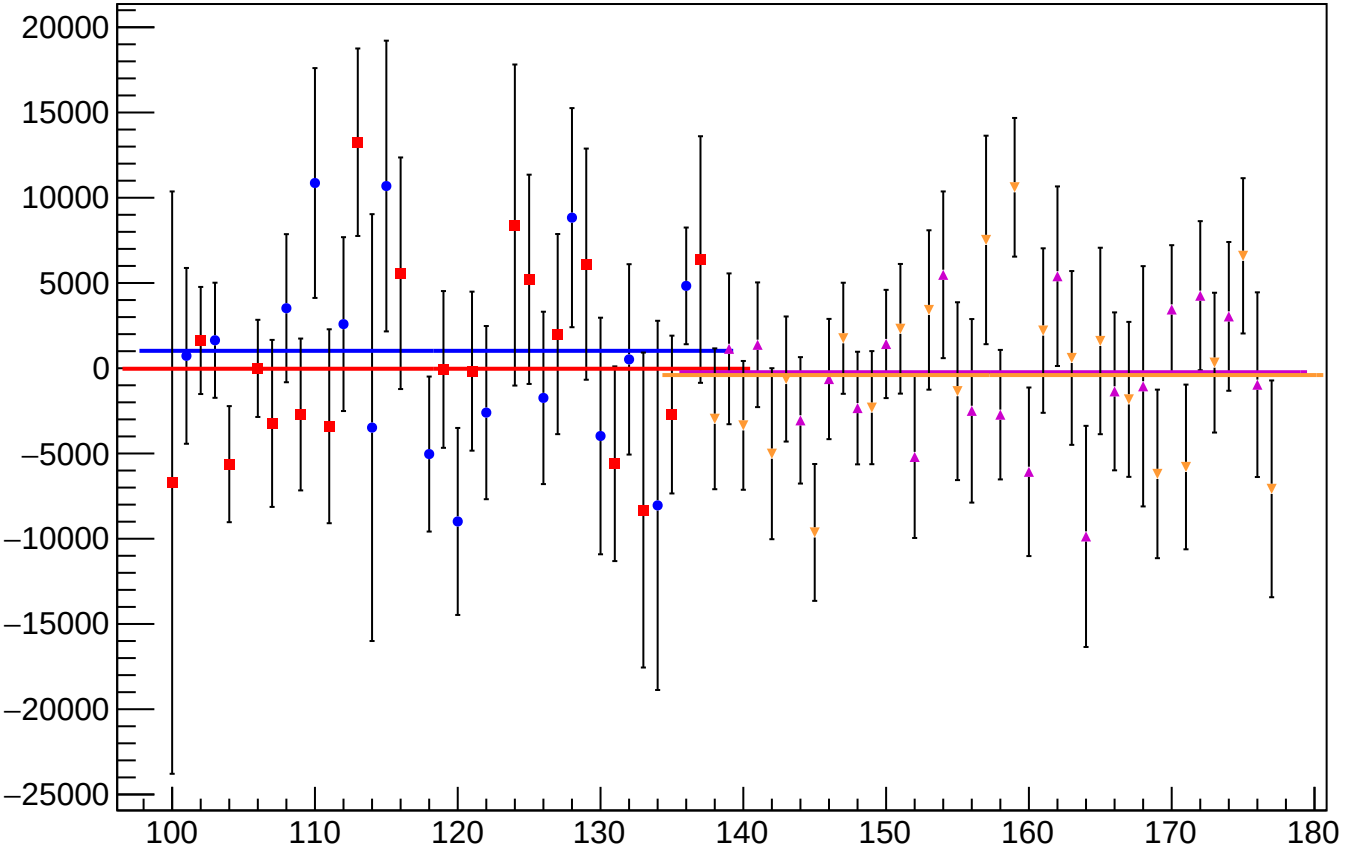
Right: 1162.281+/-0.221 χ^2/NDF: 1126326.7/34

In: 1152.499+/-0.172 χ^2/NDF:717223.0/34

Out: 1145.826+/-0.167 χ^2/NDF:630915.8/39

All: 1149.060+/-0.120 χ^2/NDF: 1348913.6/74

asym_usr_atr2_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -400.494+/-949.848 χ^2/NDF:24.8/20

Right Out: -30.135+/-1130.743 χ^2/NDF: 16.1/18

Left In: -233.256+/-982.174 χ^2/NDF:12.0/18

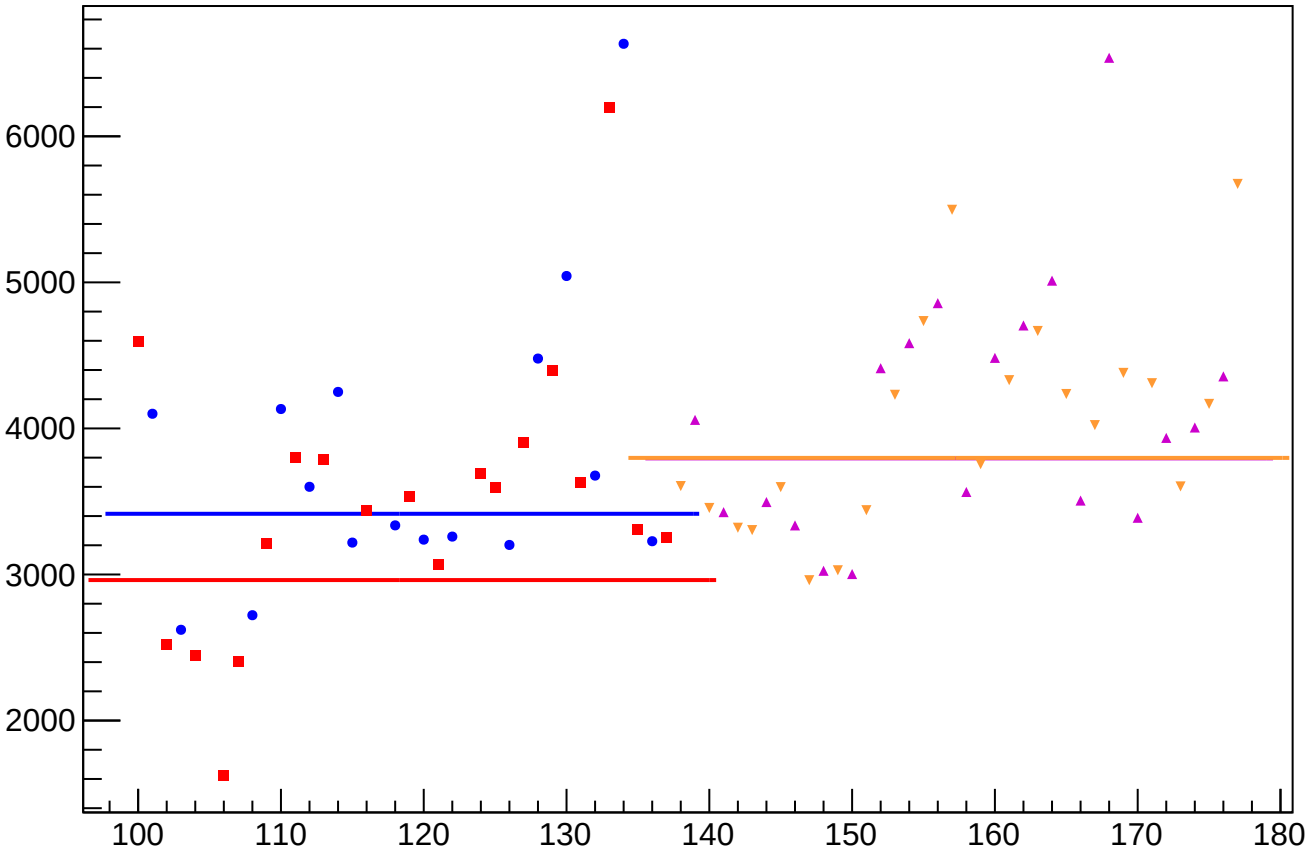
Left: -319.672+/-682.786 χ^2/NDF: 36.8/39

Right: 421.650+/-853.851 χ^2/NDF: 30.4/34

In: 221.455+/-784.190 χ^2/NDF:26.5/34

Out: -247.274+/-727.296 χ^2/NDF:41.0/39

All: -30.528+/-533.256 χ^2/NDF: 67.7/74



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3798.260+/-0.672 χ^2/NDF:916178.9/20

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

Left In: 3794.916+/-0.695 χ^2/NDF:1009442.4/18

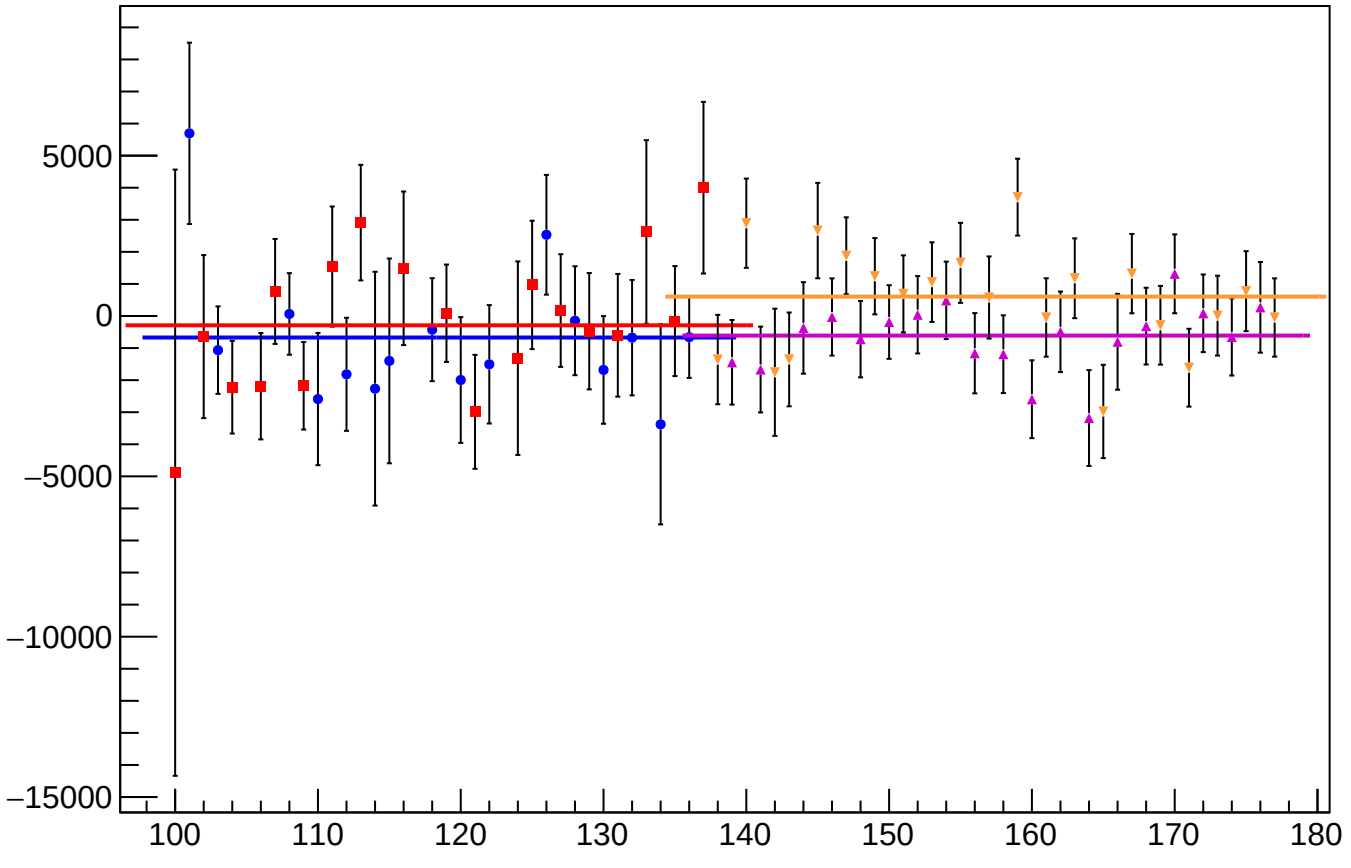
Left: 3796.644+/-0.483 χ^2/NDF: 1925633.3/39

Right: 3156.834+/-0.604 χ^2/NDF: 1900046.9/34

In: 3657.404+/-0.555 χ^2/NDF:1709930.3/34

Out: 3452.208+/-0.514 χ^2/NDF:2727100.6/39

All: 3547.093+/-0.377 χ^2/NDF: 4510647.2/74



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 604.408+/-281.261 χ^2/NDF:30.1/20

Right Out: -290.316+/-434.425 χ^2/NDF: 16.9/18

Left In: -610.679+/-289.762 χ^2/NDF:11.9/18

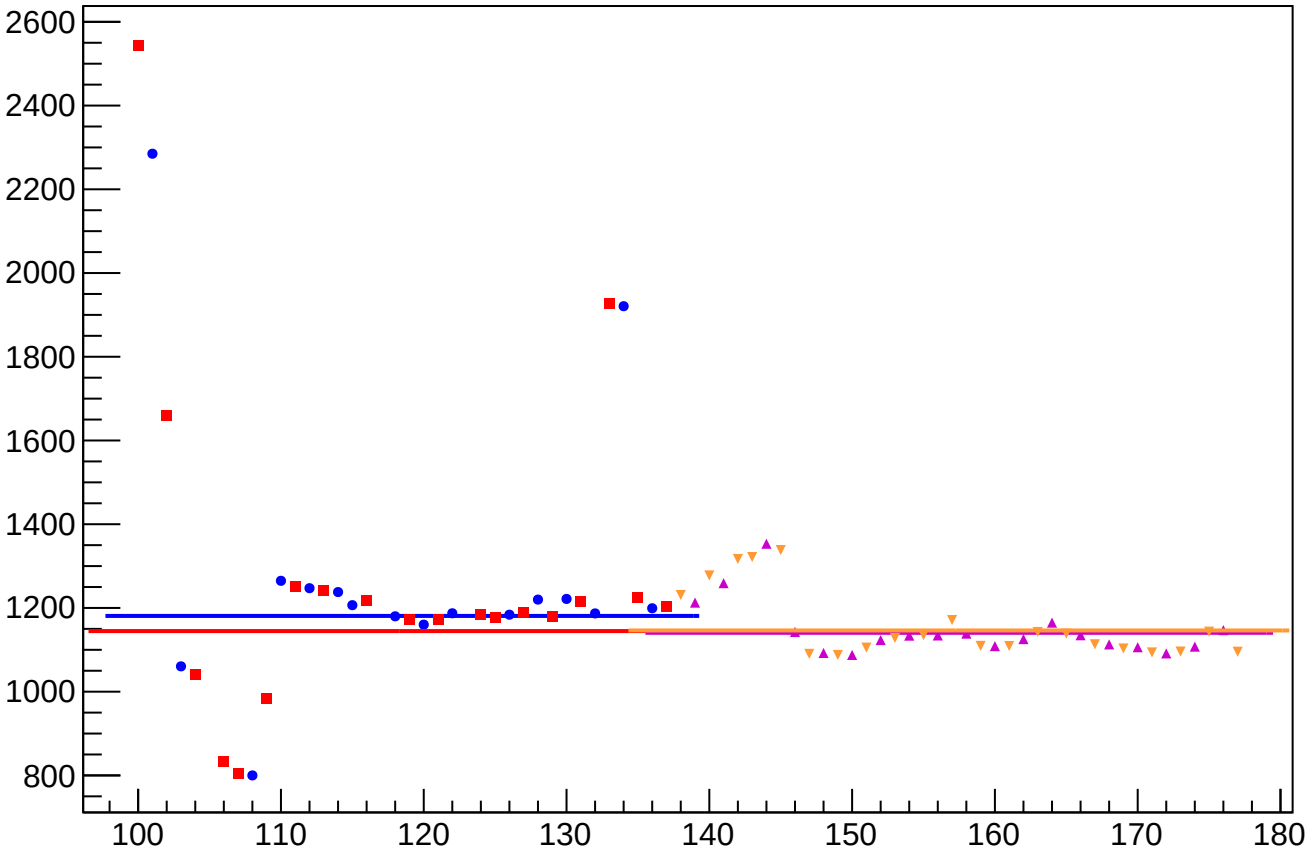
Left: 14.950+/-201.820 χ^2/NDF: 51.0/39

Right: -474.506+/-312.042 χ^2/NDF: 29.2/34

In: -628.391+/-243.386 χ^2/NDF:23.7/34

Out: 340.139+/-236.098 χ^2/NDF:50.0/39

All: -129.409+/-169.464 χ^2/NDF: 81.9/74



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1146.266+/-0.199 χ^2/NDF:133168.8/20

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1140.622+/-0.205 χ^2/NDF:83932.2/18

Left: 1143.528+/-0.143 χ^2/NDF: 217491.7/39

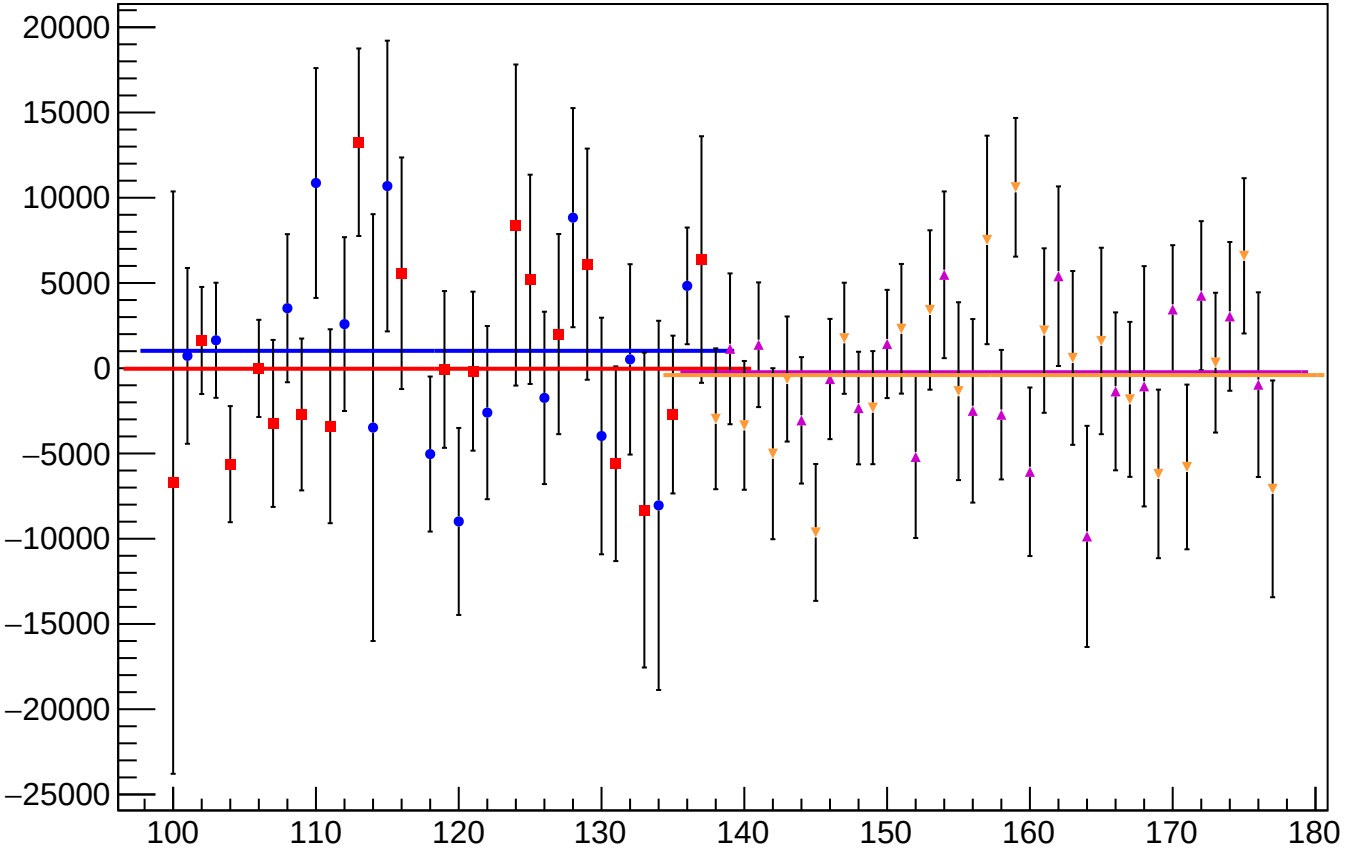
Right: 1162.281+/-0.221 χ^2/NDF: 1126326.4/34

In: 1152.500+/-0.172 χ^2/NDF:717222.5/34

Out: 1145.826+/-0.167 χ^2/NDF:630915.6/39

All: 1149.061+/-0.120 χ^2/NDF: 1348912.8/74

asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -400.494+/-949.849 χ^2/NDF:24.8/20

Right Out: -30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: -233.253+/-982.175 χ^2/NDF:12.0/18

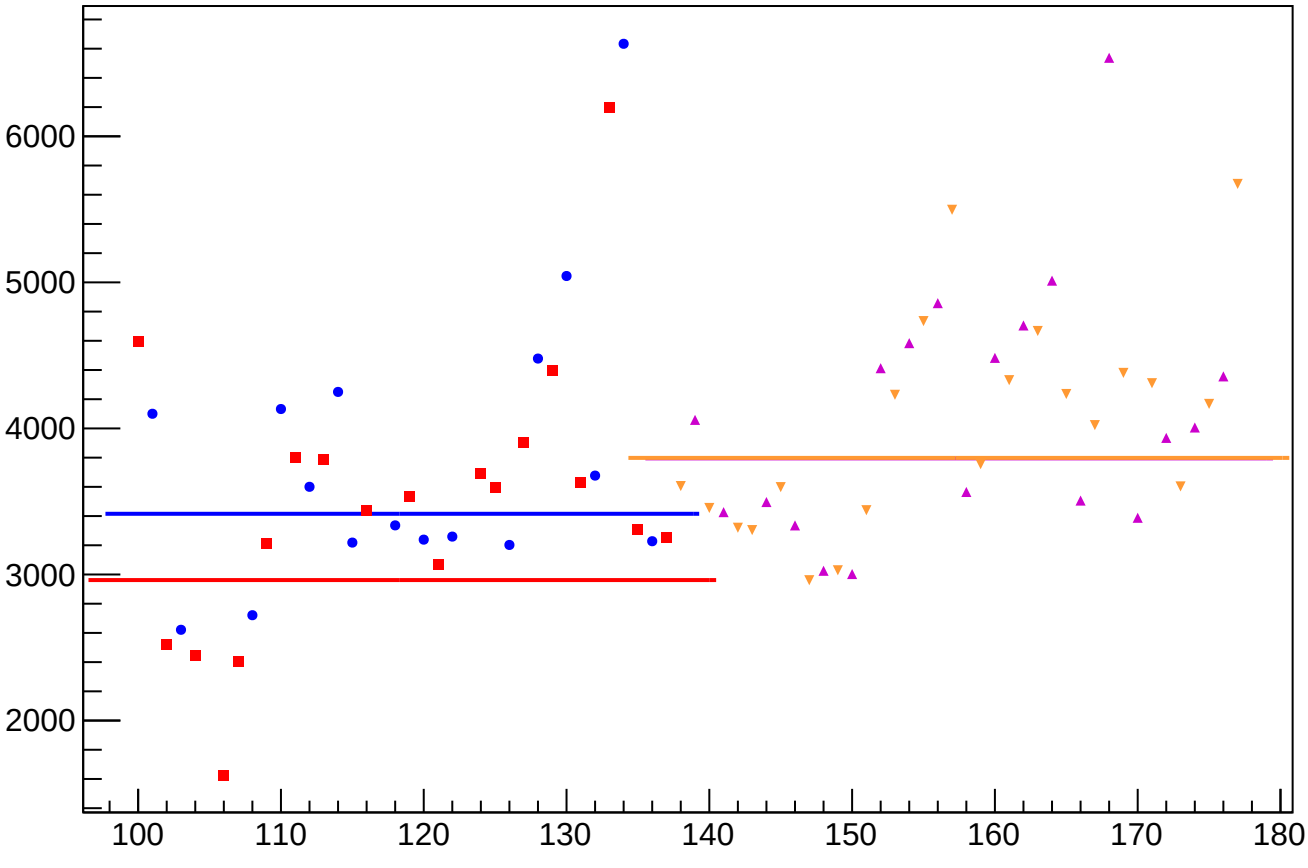
Left: -319.671+/-682.787 χ^2/NDF: 36.8/39

Right: 421.639+/-853.849 χ^2/NDF: 30.4/34

In: 221.452+/-784.190 χ^2/NDF:26.5/34

Out: -247.275+/-727.296 χ^2/NDF:41.0/39

All: -30.531+/-533.256 χ^2/NDF: 67.7/74



Right In: 3415.591+/-0.921 χ^2/NDF: 592339.1/15

Left Out: 3798.265+/-0.672 χ^2/NDF:916178.2/20

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

Left In: 3794.921+/-0.695 χ^2/NDF:1009443.0/18

Left: 3796.649+/-0.483 χ^2/NDF: 1925633.2/39

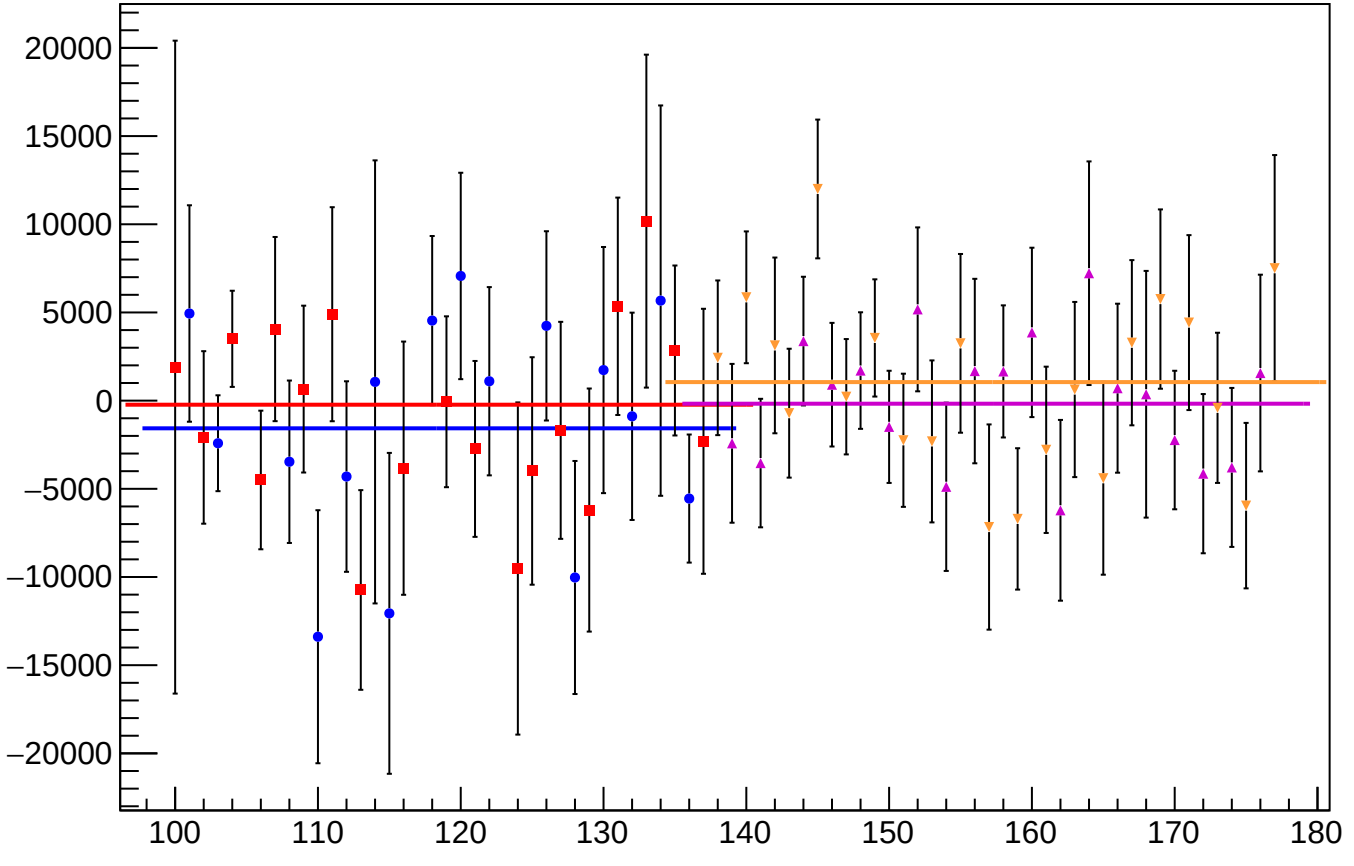
Right: 3156.830+/-0.604 χ^2/NDF: 1900042.9/34

In: 3657.406+/-0.555 χ^2/NDF:1709930.7/34

Out: 3452.208+/-0.514 χ^2/NDF:2727115.9/39

All: 3547.094+/-0.377 χ^2/NDF: 4510664.0/74

asym_usr_atr2_dd_mean vs Slug, Sign Corrected



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 1051.357+/-951.485 χ^2/NDF:24.3/20

Right Out: -231.125+/-1224.318 χ^2/NDF: 13.2/18

Left In: -174.301+/-982.777 χ^2/NDF:10.6/18

Left: 458.351+/-683.596 χ^2/NDF: 35.7/39

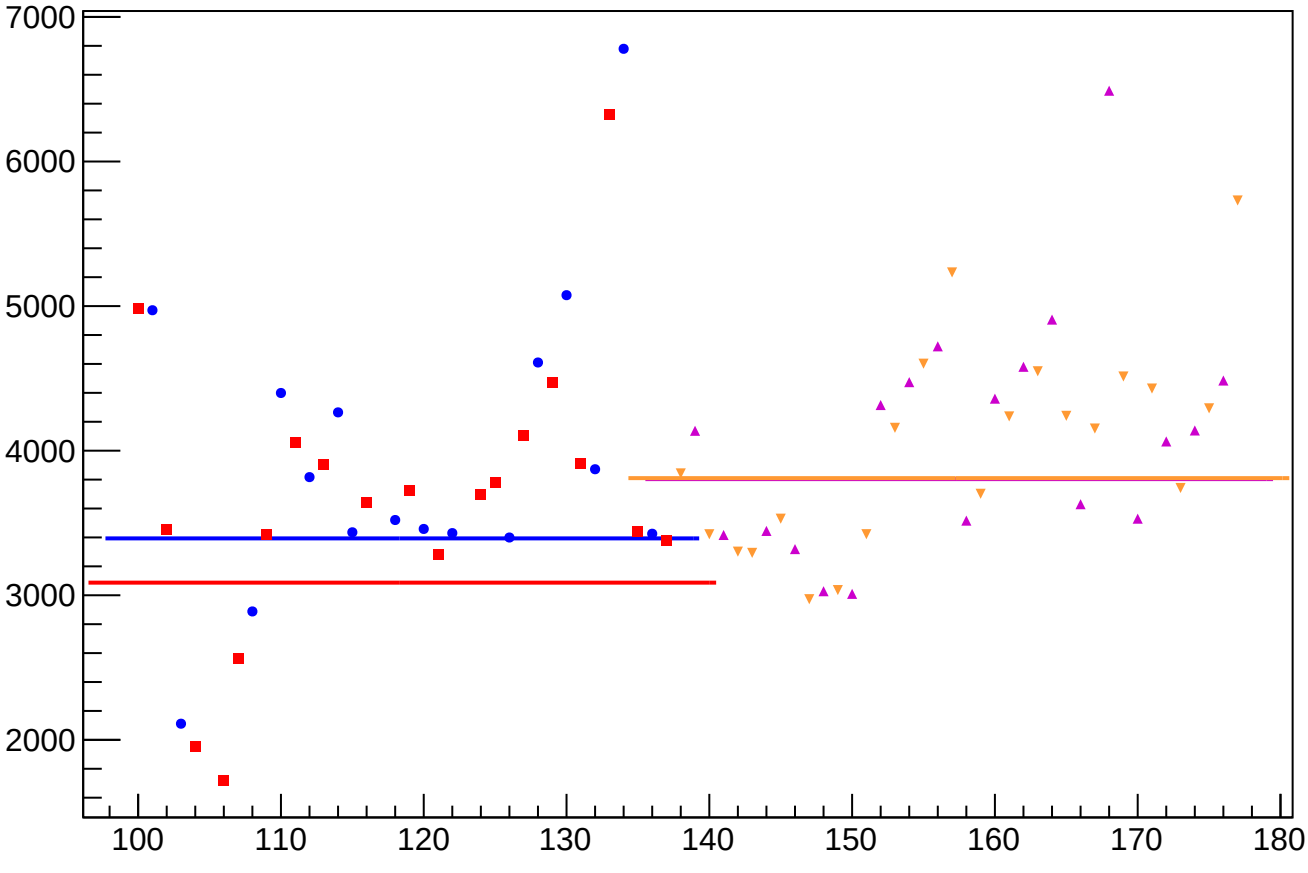
Right: -853.767+/-895.415 χ^2/NDF: 28.2/34

In: -675.425+/-786.775 χ^2/NDF:25.8/34

Out: 568.442+/-751.283 χ^2/NDF:38.3/39

All: -24.804+/-543.352 χ^2/NDF: 65.3/74

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3810.128+/-0.673 χ^2/NDF:889007.3/20

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

Left In: 3803.374+/-0.695 χ^2/NDF:951335.5/18

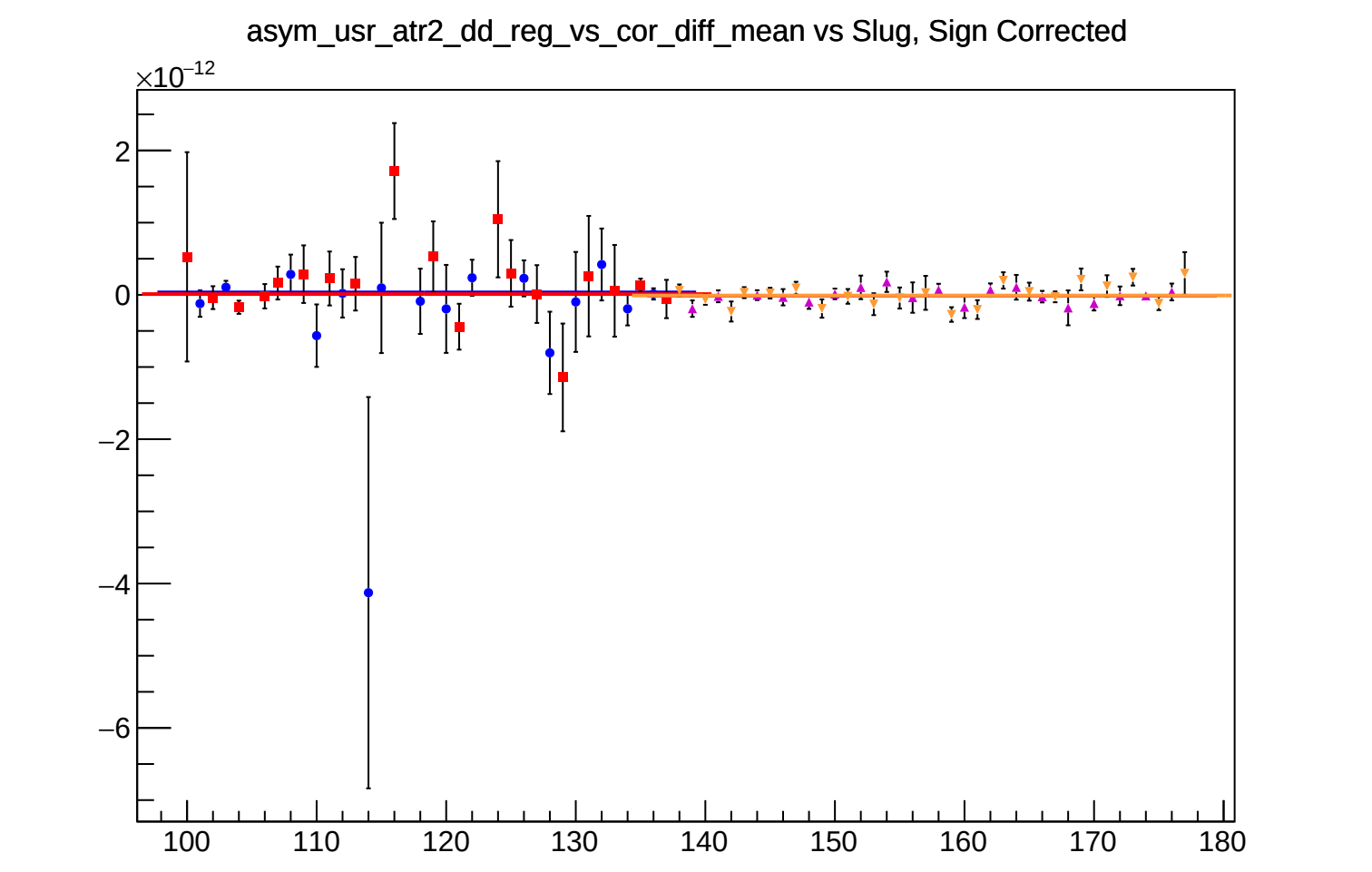
Left: 3806.860+/-0.483 χ^2/NDF: 1840391.6/39

Right: 3227.090+/-0.627 χ^2/NDF: 2436107.0/34

In: 3656.140+/-0.556 χ^2/NDF:2125046.0/34

Out: 3532.196+/-0.528 χ^2/NDF:2661171.7/39

All: 3590.912+/-0.383 χ^2/NDF: 4812338.8/74



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: -0.000+/-0.000 χ^2/NDF:10.9/18

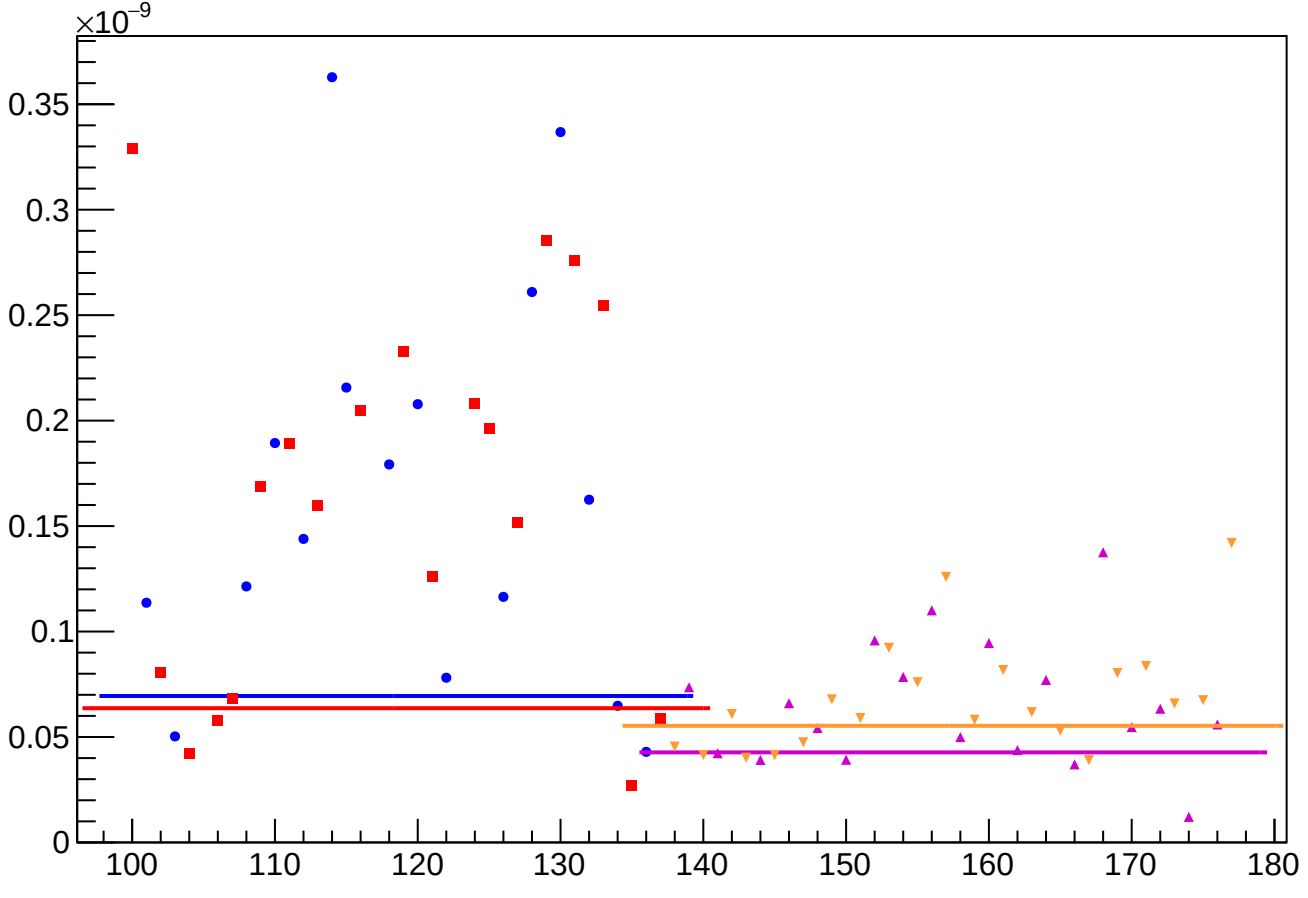
Left: -0.000+/-0.000 χ^2/NDF: 42.1/39

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: -0.000+/-0.000 χ^2/NDF:23.5/34

Out: -0.000+/-0.000 χ^2/NDF:53.2/39

All: -0.000+/-0.000 χ^2/NDF: 76.7/74



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1162668.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2674966.2/18

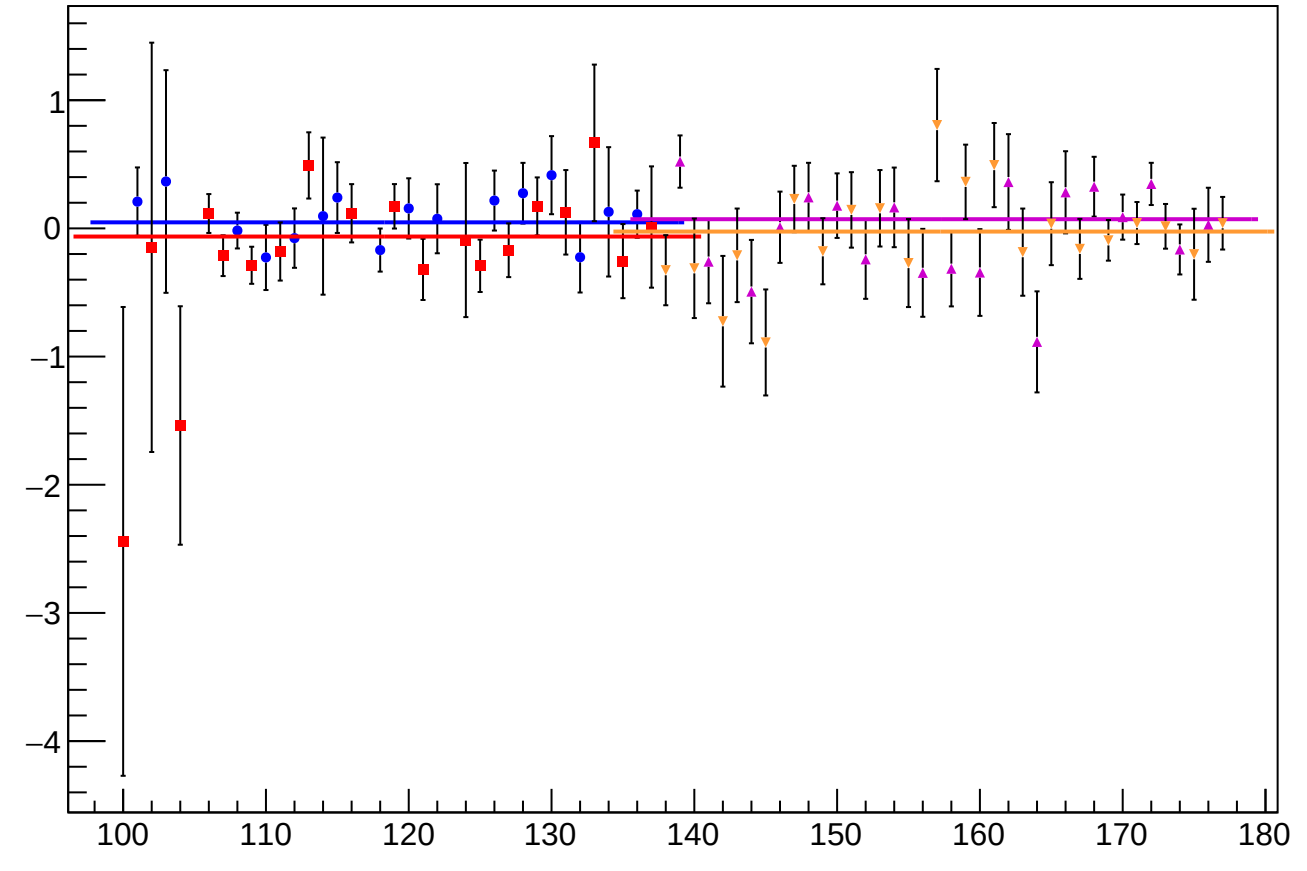
Left: 0.000+/-0.000 χ^2/NDF: 4164329.4/39

Right: 0.000+/-0.000 χ^2/NDF: 3993621.5/34

In: 0.000+/-0.000 χ^2/NDF:4907815.2/34

Out: 0.000+/-0.000 χ^2/NDF:3459745.3/39

All: 0.000+/-0.000 χ^2/NDF: 8609690.9/74



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.025+/-0.057 χ^2/NDF:20.0/20

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.072+/-0.060 χ^2/NDF:26.7/18

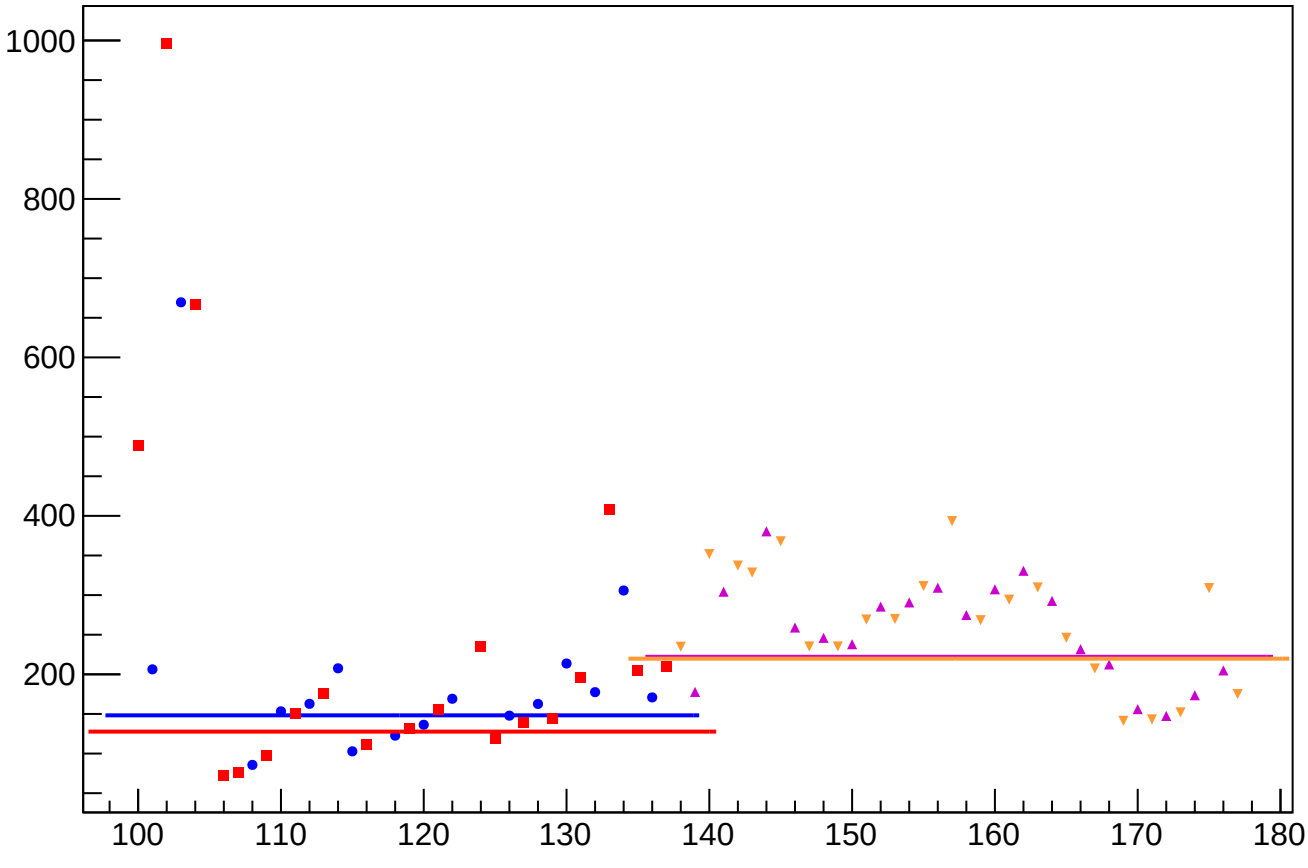
Left: 0.022+/-0.041 χ^2/NDF: 48.1/39

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.059+/-0.042 χ^2/NDF:35.4/34

Out: -0.045+/-0.040 χ^2/NDF:42.5/39

All: 0.004+/-0.029 χ^2/NDF: 81.1/74



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 219.765+/-0.041 χ^2/NDF:3127798.7/20

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 222.120+/-0.042 χ^2/NDF:2155051.9/18

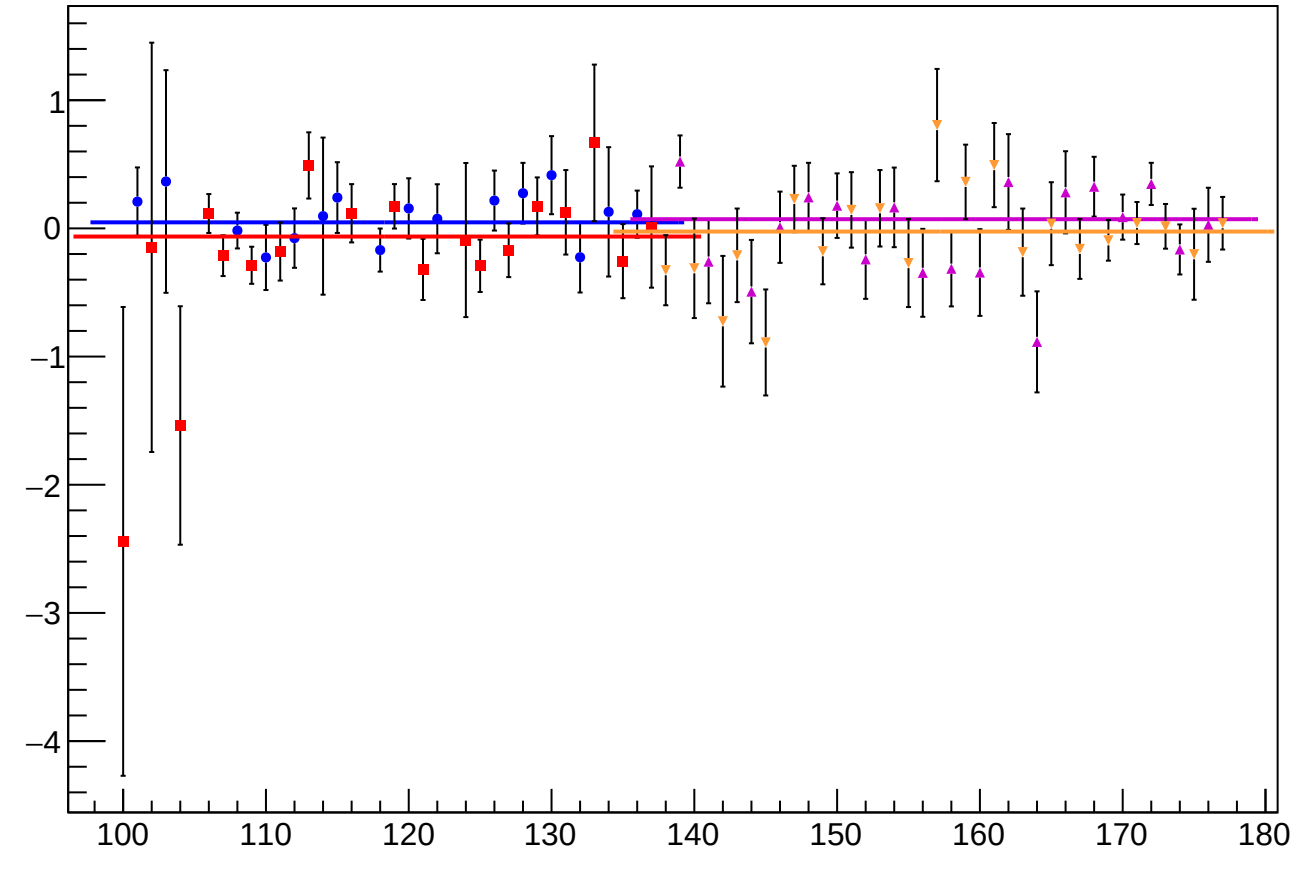
Left: 220.899+/-0.029 χ^2/NDF: 5284466.9/39

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 185.414+/-0.030 χ^2/NDF:5389394.2/34

Out: 171.423+/-0.028 χ^2/NDF:8664901.8/39

All: 177.958+/-0.020 χ^2/NDF: 14170830.3/74



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.025+/-0.057 χ^2/NDF:20.0/20

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.072+/-0.060 χ^2/NDF:26.7/18

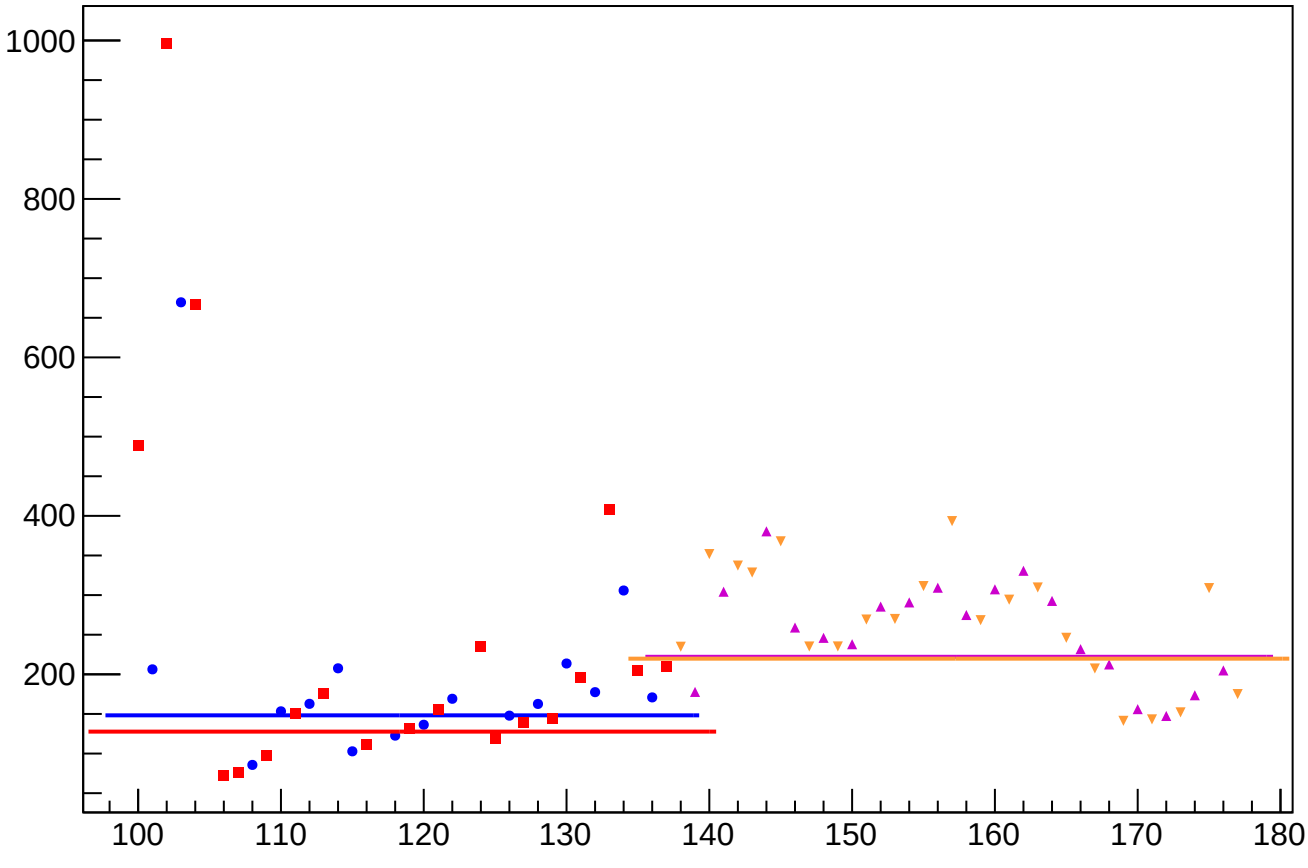
Left: 0.022+/-0.041 χ^2/NDF: 48.1/39

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.059+/-0.042 χ^2/NDF:35.4/34

Out: -0.045+/-0.040 χ^2/NDF:42.5/39

All: 0.004+/-0.029 χ^2/NDF: 81.1/74



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 219.765+/-0.041 χ^2/NDF:3127798.7/20

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 222.120+/-0.042 χ^2/NDF:2155051.9/18

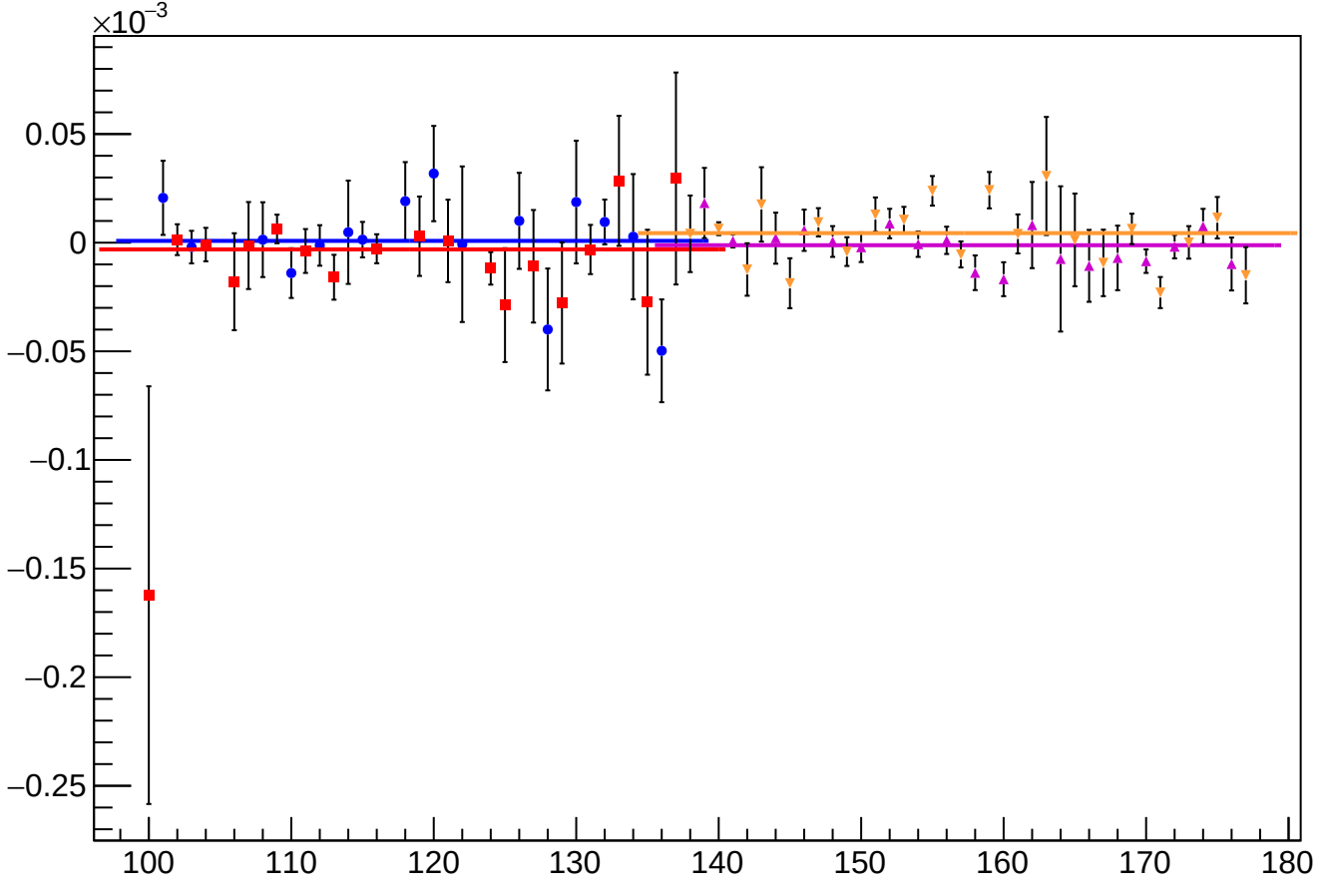
Left: 220.899+/-0.029 χ^2/NDF: 5284466.9/39

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 185.414+/-0.030 χ^2/NDF:5389394.2/34

Out: 171.423+/-0.028 χ^2/NDF:8664901.8/39

All: 177.958+/-0.020 χ^2/NDF: 14170830.3/74



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:47.5/20

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: -0.000+/-0.000 χ^2/NDF:15.6/18

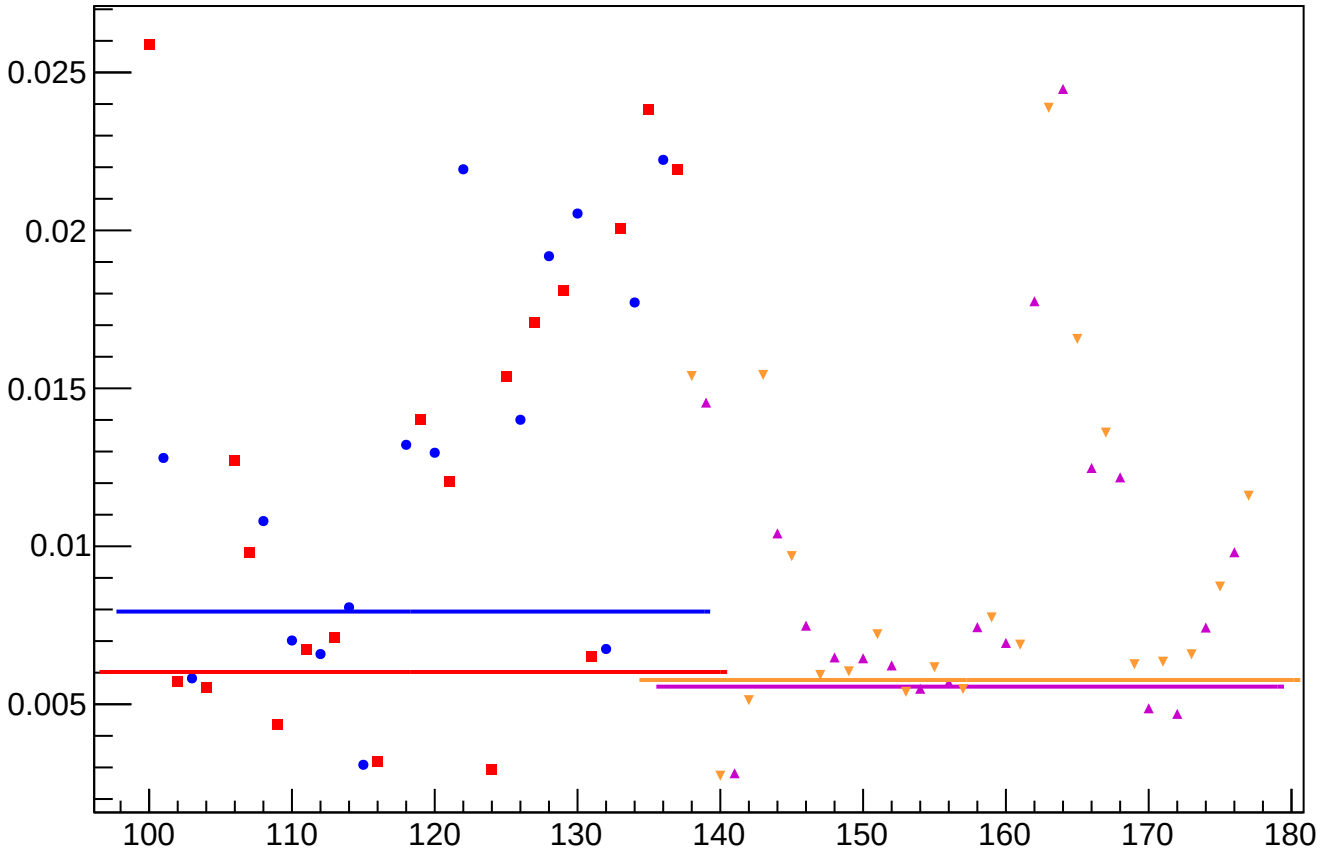
Left: 0.000+/-0.000 χ^2/NDF: 69.0/39

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:30.1/34

Out: 0.000+/-0.000 χ^2/NDF:66.0/39

All: 0.000+/-0.000 χ^2/NDF: 98.7/74



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.006+/-0.000 χ^2/NDF:6326707.7/20

Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

Left In: 0.006+/-0.000 χ^2/NDF:5554096.0/18

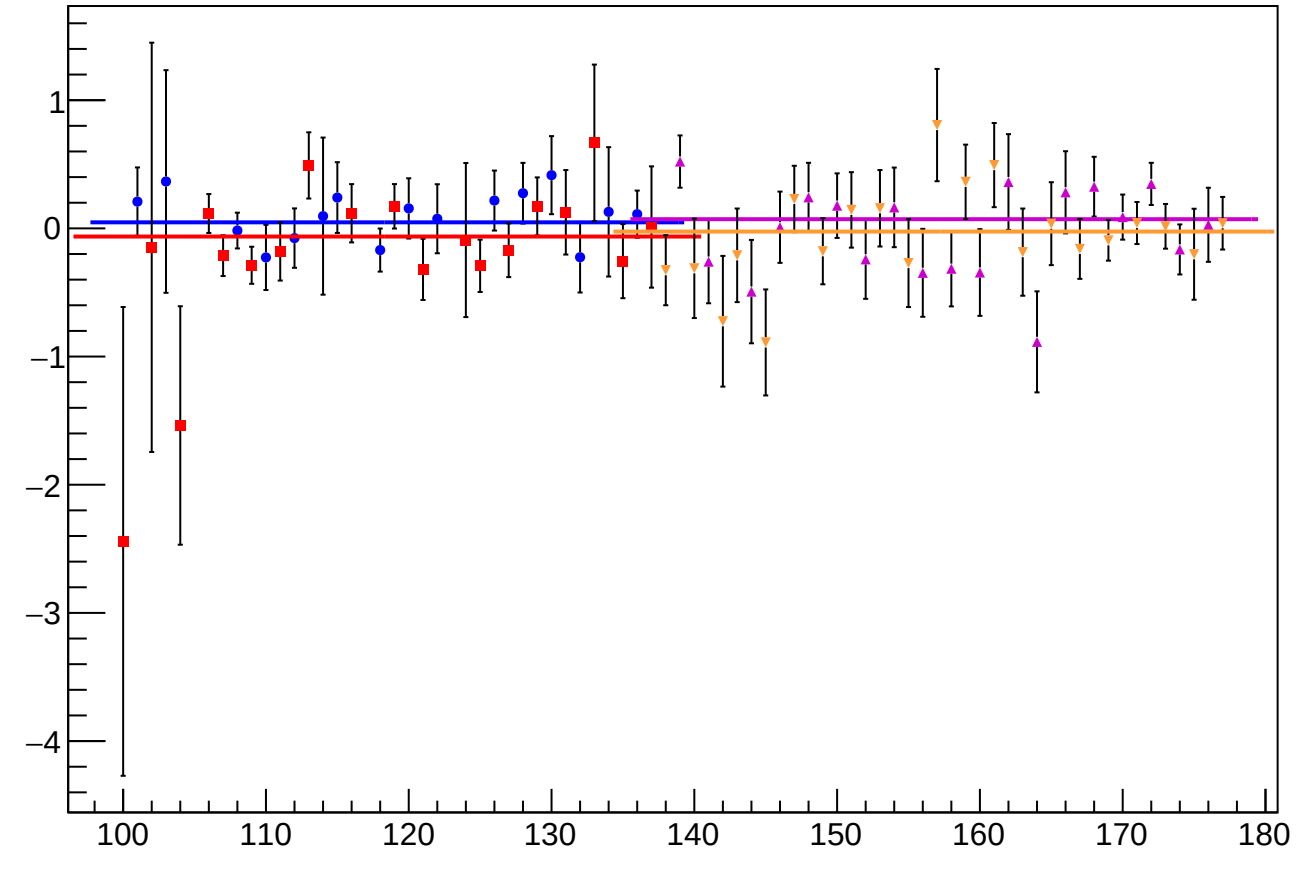
Left: 0.006+/-0.000 χ^2/NDF: 11897801.5/39

Right: 0.007+/-0.000 χ^2/NDF: 7973863.6/34

In: 0.006+/-0.000 χ^2/NDF:9906569.9/34

Out: 0.006+/-0.000 χ^2/NDF:10349752.9/39

All: 0.006+/-0.000 χ^2/NDF: 20266526.4/74



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.025+/-0.057 χ^2/NDF:20.0/20

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.072+/-0.060 χ^2/NDF:26.7/18

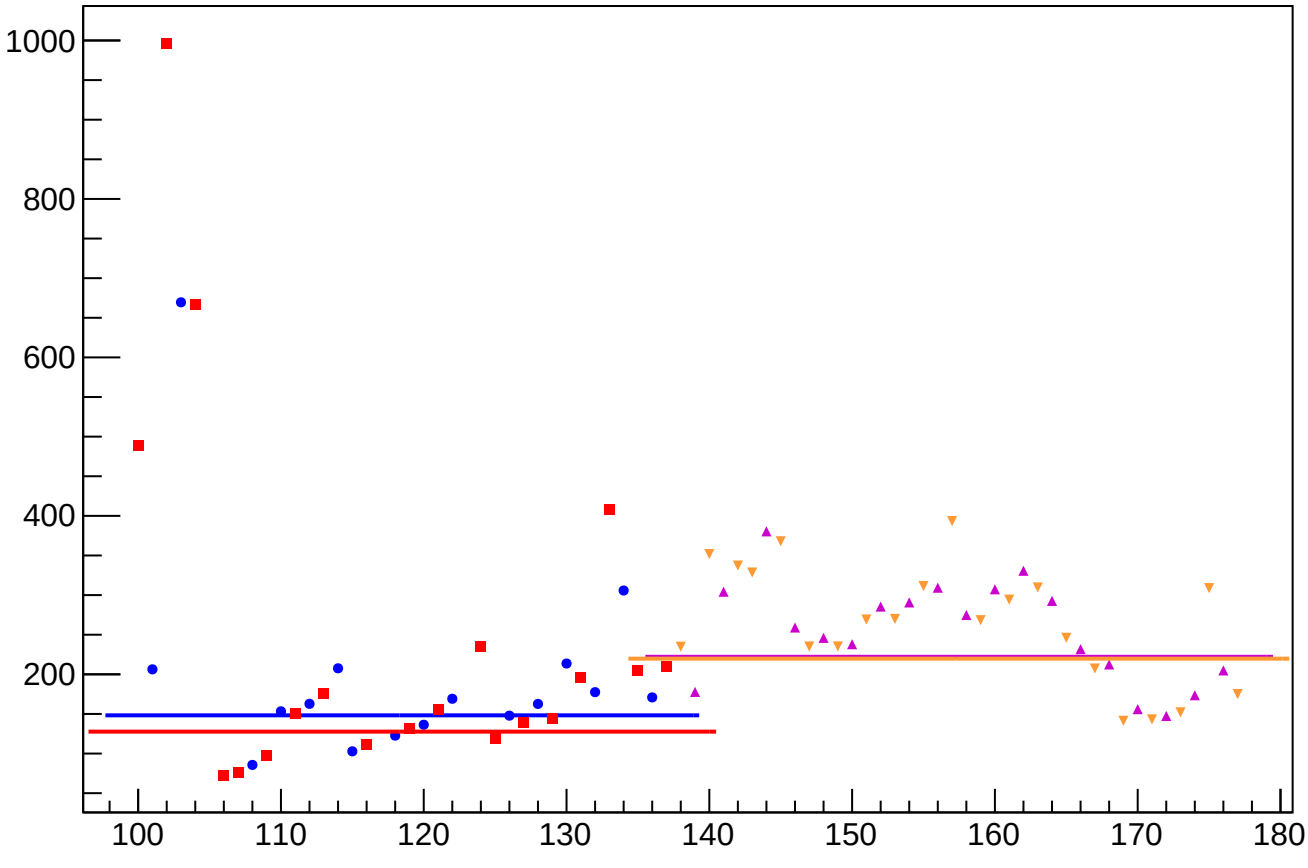
Left: 0.022+/-0.041 χ^2/NDF: 48.1/39

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.059+/-0.042 χ^2/NDF:35.4/34

Out: -0.045+/-0.040 χ^2/NDF:42.5/39

All: 0.004+/-0.029 χ^2/NDF: 81.1/74



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 219.767+/-0.041 χ^2/NDF:3127909.6/20

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 222.122+/-0.042 χ^2/NDF:2155095.8/18

Left: 220.900+/-0.029 χ^2/NDF: 5284622.2/39

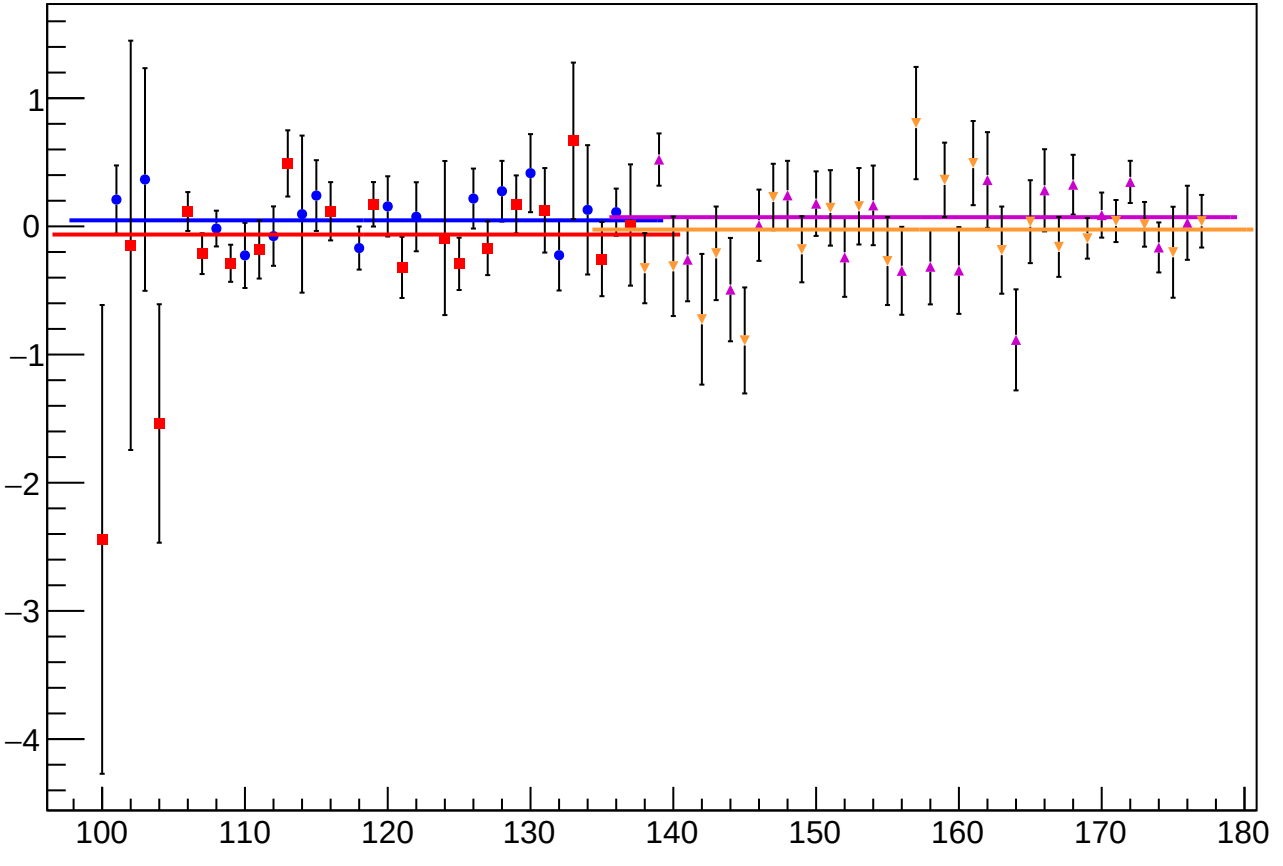
Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 185.413+/-0.030 χ^2/NDF:5389690.0/34

Out: 171.424+/-0.028 χ^2/NDF:8665047.9/39

All: 177.957+/-0.020 χ^2/NDF: 14171247.6/74

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: -0.025+/-0.057 χ^2/NDF:20.0/20

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.072+/-0.060 χ^2/NDF:26.7/18

Left: 0.022+/-0.041 χ^2/NDF: 48.1/39

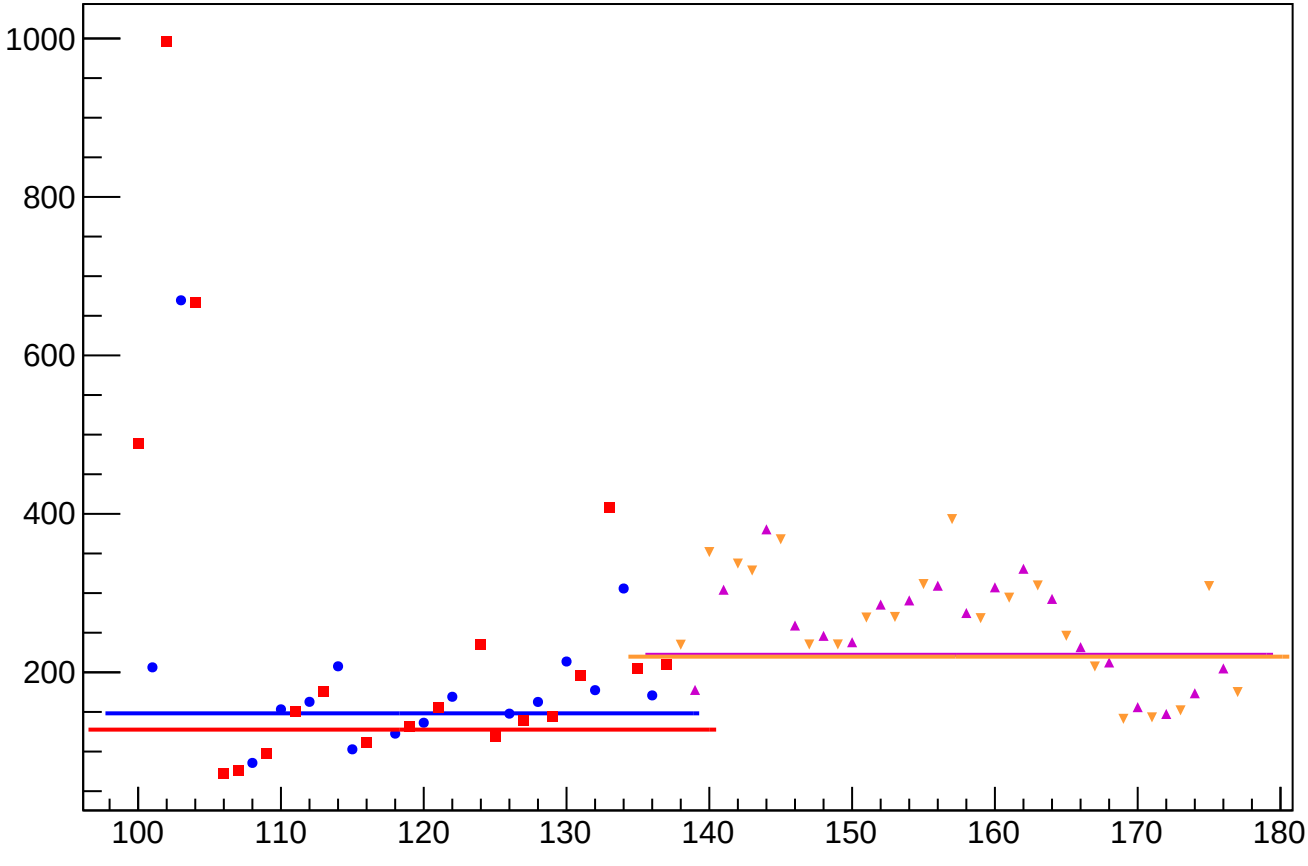
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.059+/-0.042 χ^2/NDF:35.4/34

Out: -0.045+/-0.040 χ^2/NDF:42.5/39

All: 0.004+/-0.029 χ^2/NDF: 81.1/74

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: 219.767+/-0.041 χ^2/NDF:3127909.6/20

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 222.122+/-0.042 χ^2/NDF:2155095.8/18

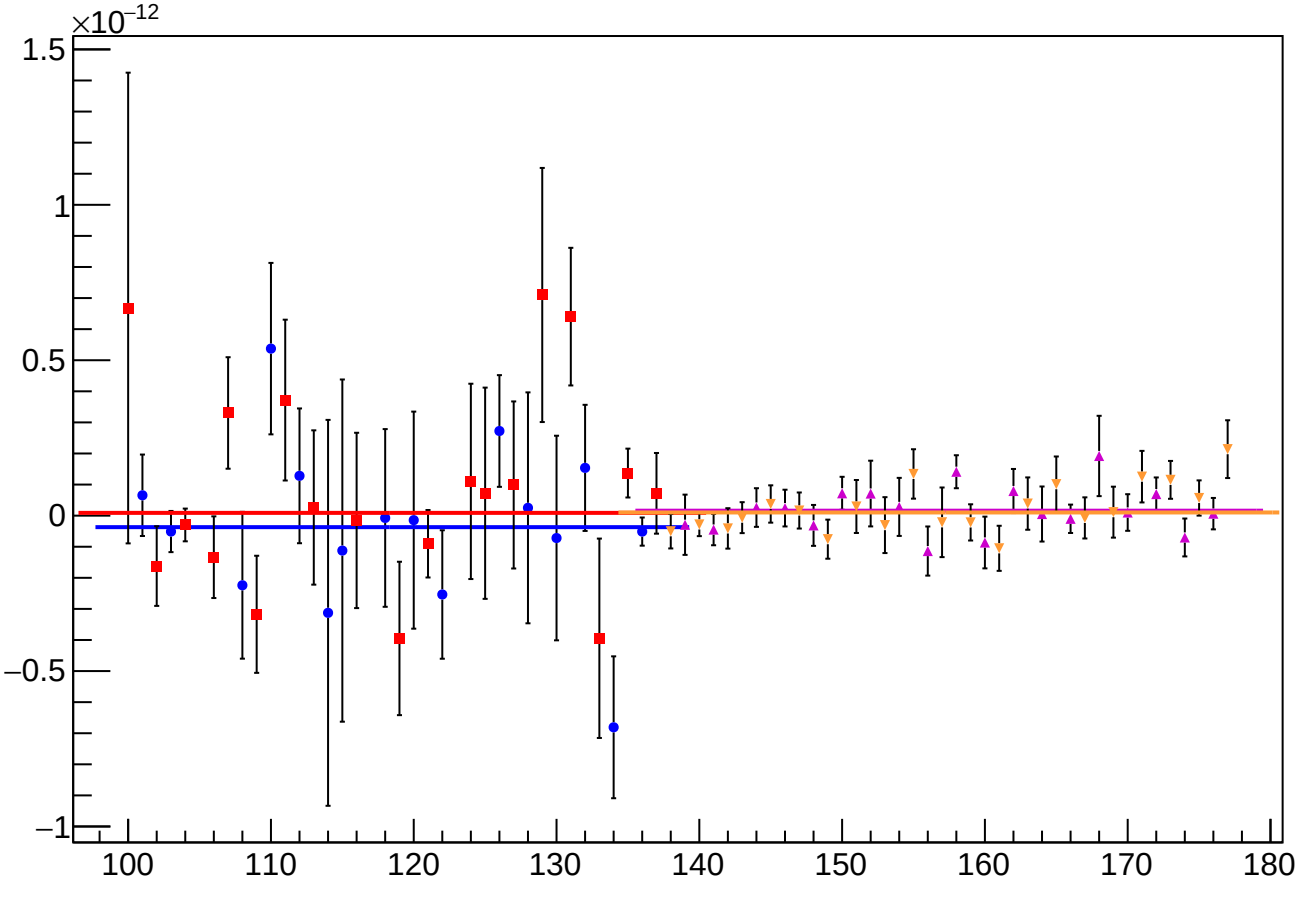
Left: 220.900+/-0.029 χ^2/NDF: 5284622.2/39

Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 185.413+/-0.030 χ^2/NDF:5389690.0/34

Out: 171.424+/-0.028 χ^2/NDF:8665047.9/39

All: 177.957+/-0.020 χ^2/NDF: 14171247.6/74



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 31.8/18

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

Left: 0.000+/-0.000 χ^2/NDF: 41.8/39

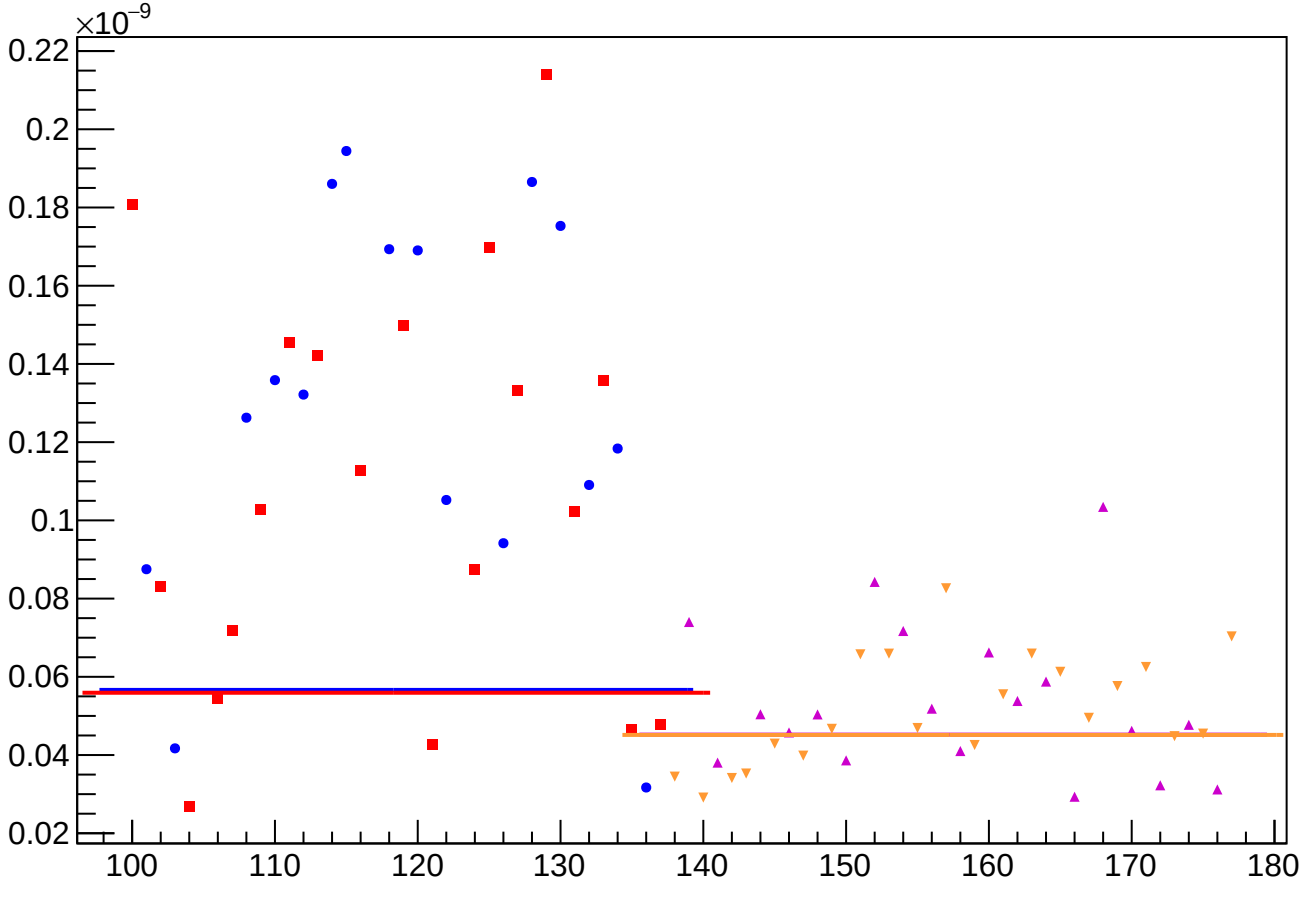
Right: -0.000+/-0.000 χ^2/NDF: 52.3/34

In: 0.000+/-0.000 χ^2/NDF:41.2/34

Out: 0.000+/-0.000 χ^2/NDF:54.0/39

All: 0.000+/-0.000 χ^2/NDF: 95.2/74

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3113213.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1564915.1/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2732977.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1862304.3/18

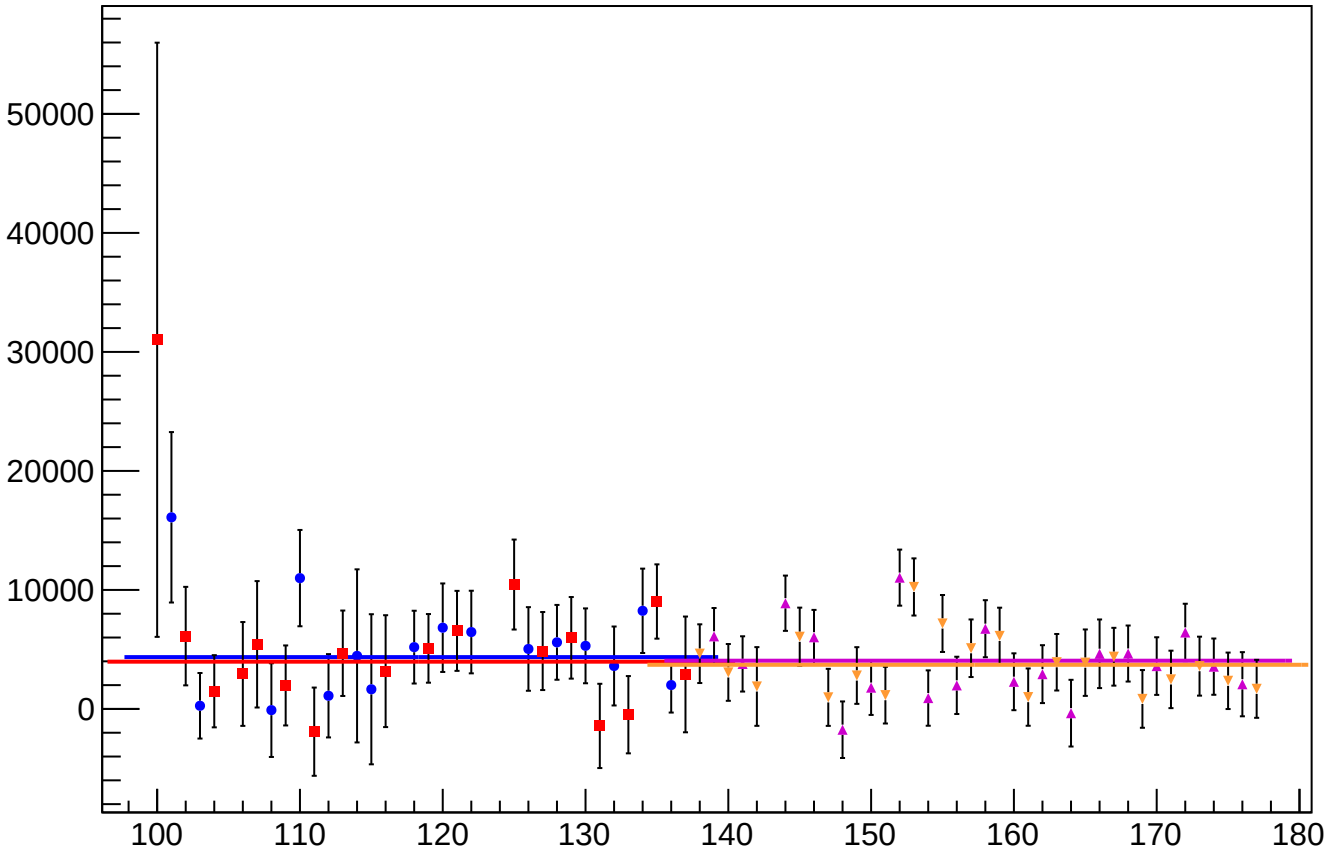
Left: 0.000+/-0.000 χ^2/NDF: 3427248.5/39

Right: 0.000+/-0.000 χ^2/NDF: 5846702.2/34

In: 0.000+/-0.000 χ^2/NDF:5184845.1/34

Out: 0.000+/-0.000 χ^2/NDF:4487630.4/39

All: 0.000+/-0.000 χ^2/NDF: 9672905.0/74



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3709.311+/-548.839 χ^2/NDF:19.0/19

Right Out: 3971.679+/-871.305 χ^2/NDF: 16.2/17

Left In: 4052.283+/-554.991 χ^2/NDF:30.3/18

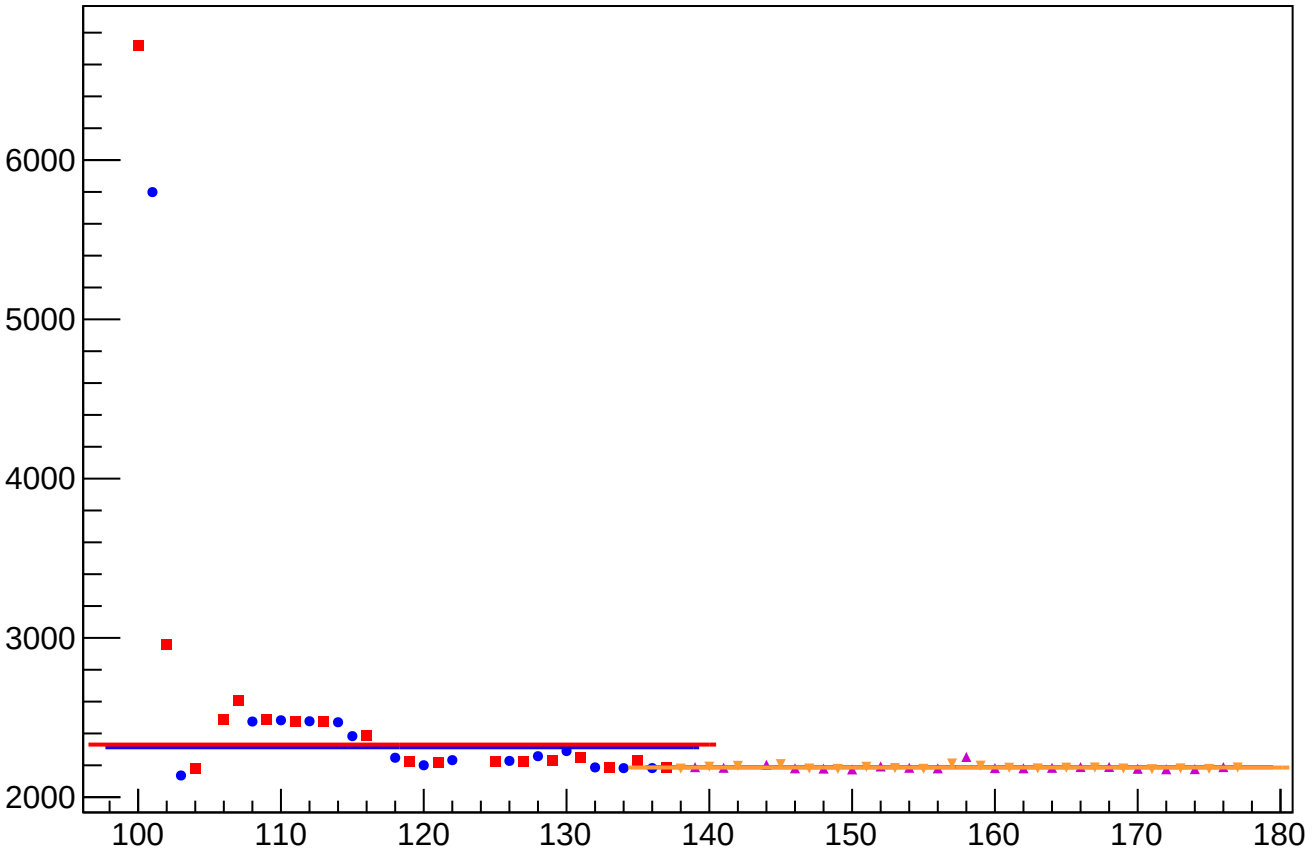
Left: 3878.886+/-390.245 χ^2/NDF: 49.4/38

Right: 4162.171+/-617.462 χ^2/NDF: 29.6/33

In: 4138.921+/-468.691 χ^2/NDF:43.7/34

Out: 3783.841+/-464.388 χ^2/NDF:35.2/37

All: 3959.744+/-329.883 χ^2/NDF: 79.2/72



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2186.100+/-0.388 χ^2/NDF:634.8/19

Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2187.883+/-0.392 χ^2/NDF:1858.9/18

Left: 2186.982+/-0.276 χ^2/NDF: 2504.1/38

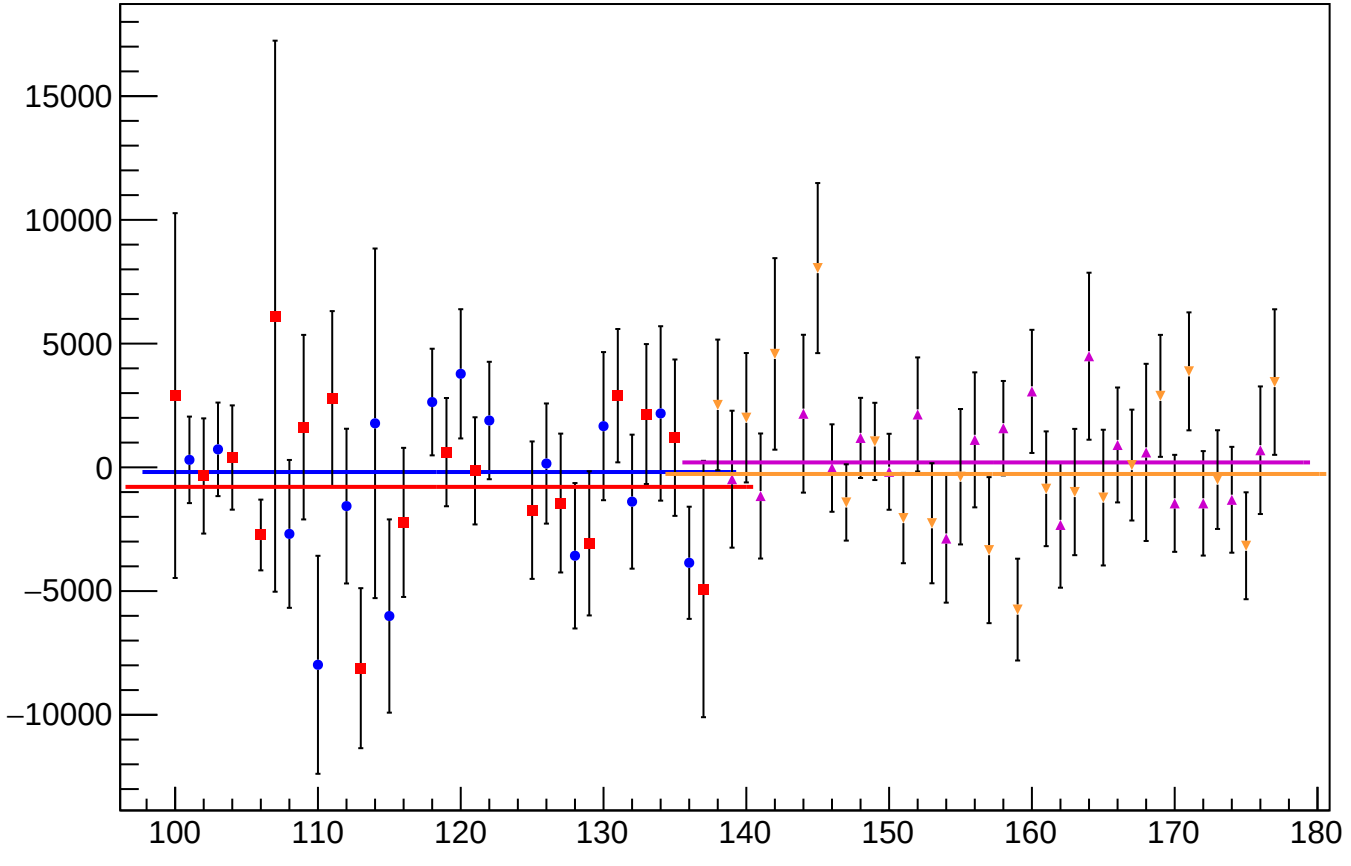
Right: 2321.844+/-0.437 χ^2/NDF: 663951.9/33

In: 2223.887+/-0.331 χ^2/NDF:543577.2/34

Out: 2227.035+/-0.328 χ^2/NDF:191009.8/37

All: 2225.475+/-0.233 χ^2/NDF: 734632.6/72

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: -267.581+/-511.532 χ^2/NDF:28.8/19

Right Out: -789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: 198.928+/-514.337 χ^2/NDF:9.8/18

Left: -35.602+/-362.695 χ^2/NDF: 39.0/38

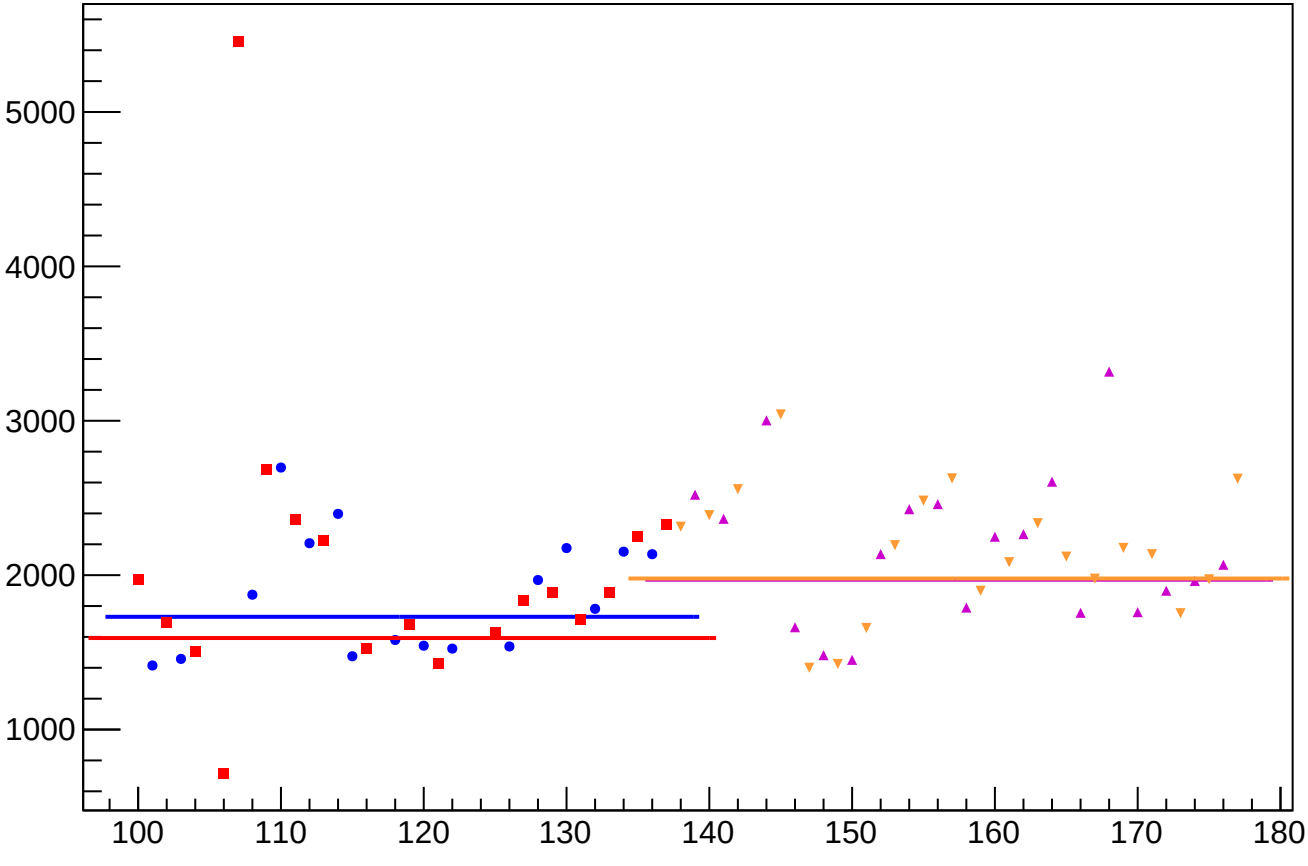
Right: -499.869+/-457.002 χ^2/NDF: 31.8/33

In: 52.021+/-405.306 χ^2/NDF:26.5/34

Out: -472.947+/-398.332 χ^2/NDF:44.1/37

All: -215.019+/-284.097 χ^2/NDF: 71.4/72

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1730.288+/-0.466 χ^2/NDF: 478932.0/15

Left Out: 1978.431+/-0.362 χ^2/NDF:1288419.6/19

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

Left In: 1970.593+/-0.364 χ^2/NDF:1415514.9/18

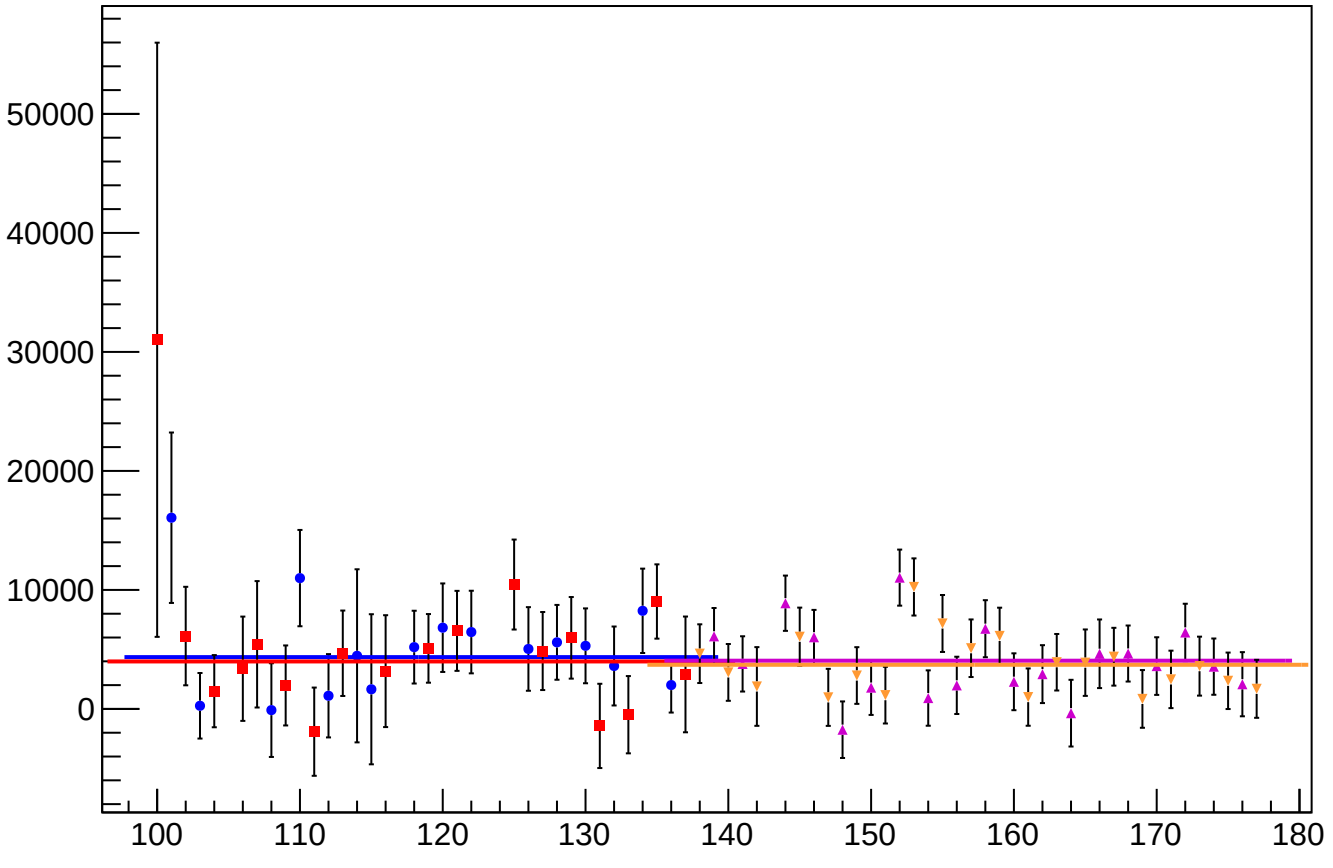
Left: 1974.534+/-0.256 χ^2/NDF: 2704168.0/38

Right: 1659.066+/-0.323 χ^2/NDF: 2080315.9/33

In: 1879.510+/-0.287 χ^2/NDF:2059923.5/34

Out: 1826.648+/-0.282 χ^2/NDF:3291979.5/37

All: 1852.620+/-0.201 χ^2/NDF: 5369209.2/72



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3709.256+/-548.839 χ^2/NDF:19.0/19

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4052.383+/-554.991 χ^2/NDF:30.3/18

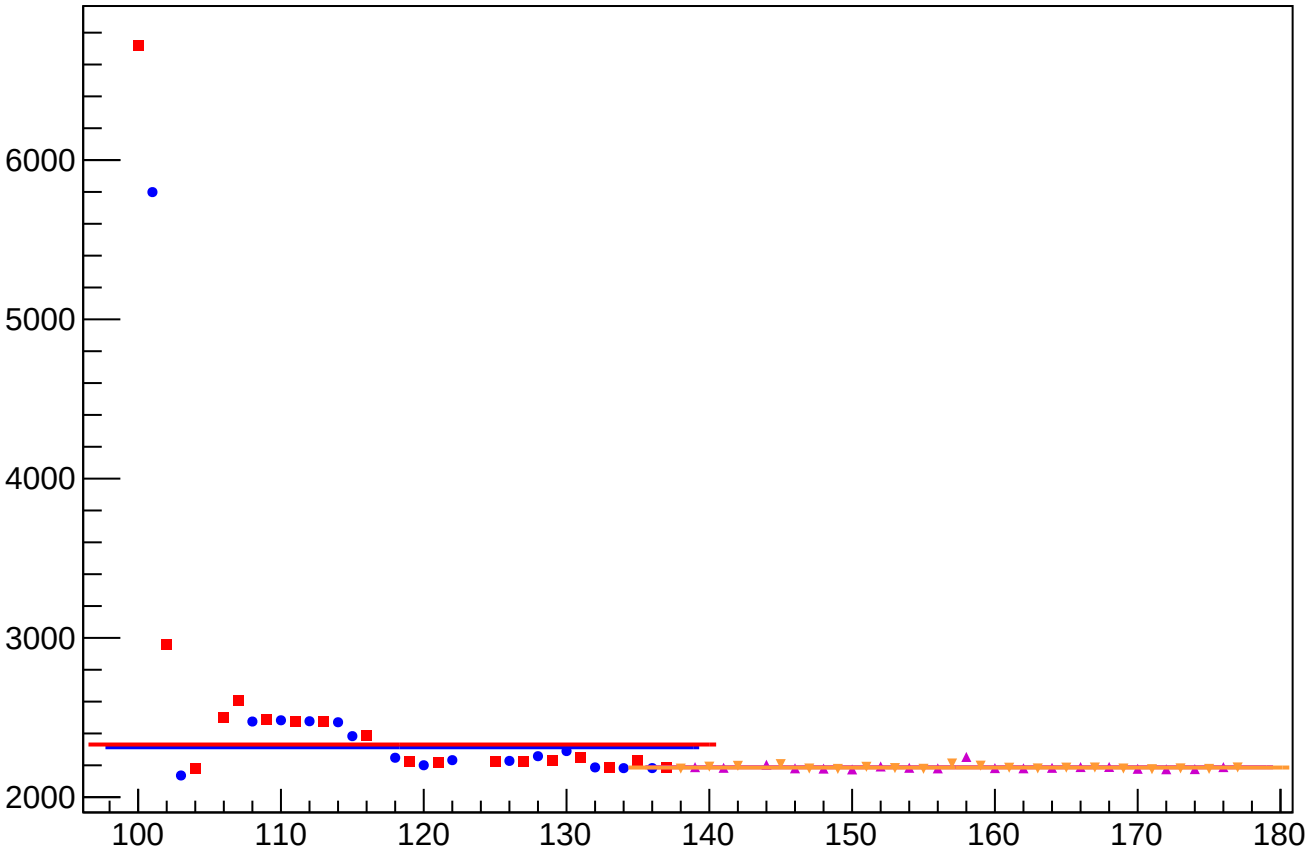
Left: 3878.907+/-390.245 χ^2/NDF: 49.4/38

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4138.797+/-468.691 χ^2/NDF:43.7/34

Out: 3788.954+/-464.411 χ^2/NDF:35.2/37

All: 3962.270+/-329.891 χ^2/NDF: 79.2/72



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2186.100+/-0.388 χ^2/NDF:634.8/19

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2187.883+/-0.392 χ^2/NDF:1858.9/18

Left: 2186.982+/-0.276 χ^2/NDF: 2504.1/38

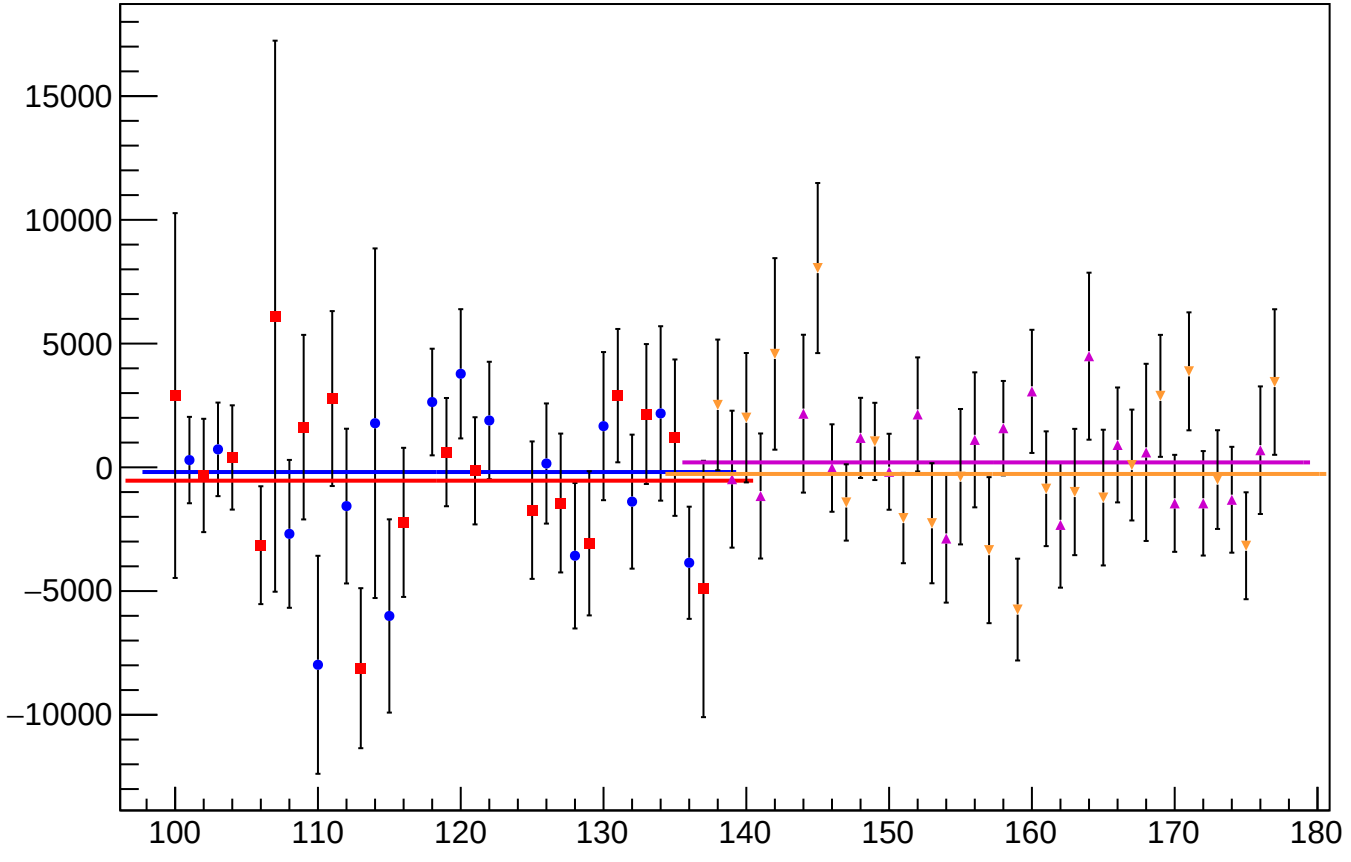
Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

In: 2223.887+/-0.331 χ^2/NDF:543577.6/34

Out: 2227.129+/-0.328 χ^2/NDF:191547.2/37

All: 2225.523+/-0.233 χ^2/NDF: 735173.1/72

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: -267.678+/-511.531 χ^2/NDF:28.8/19

Right Out: -539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: 199.041+/-514.339 χ^2/NDF:9.8/18

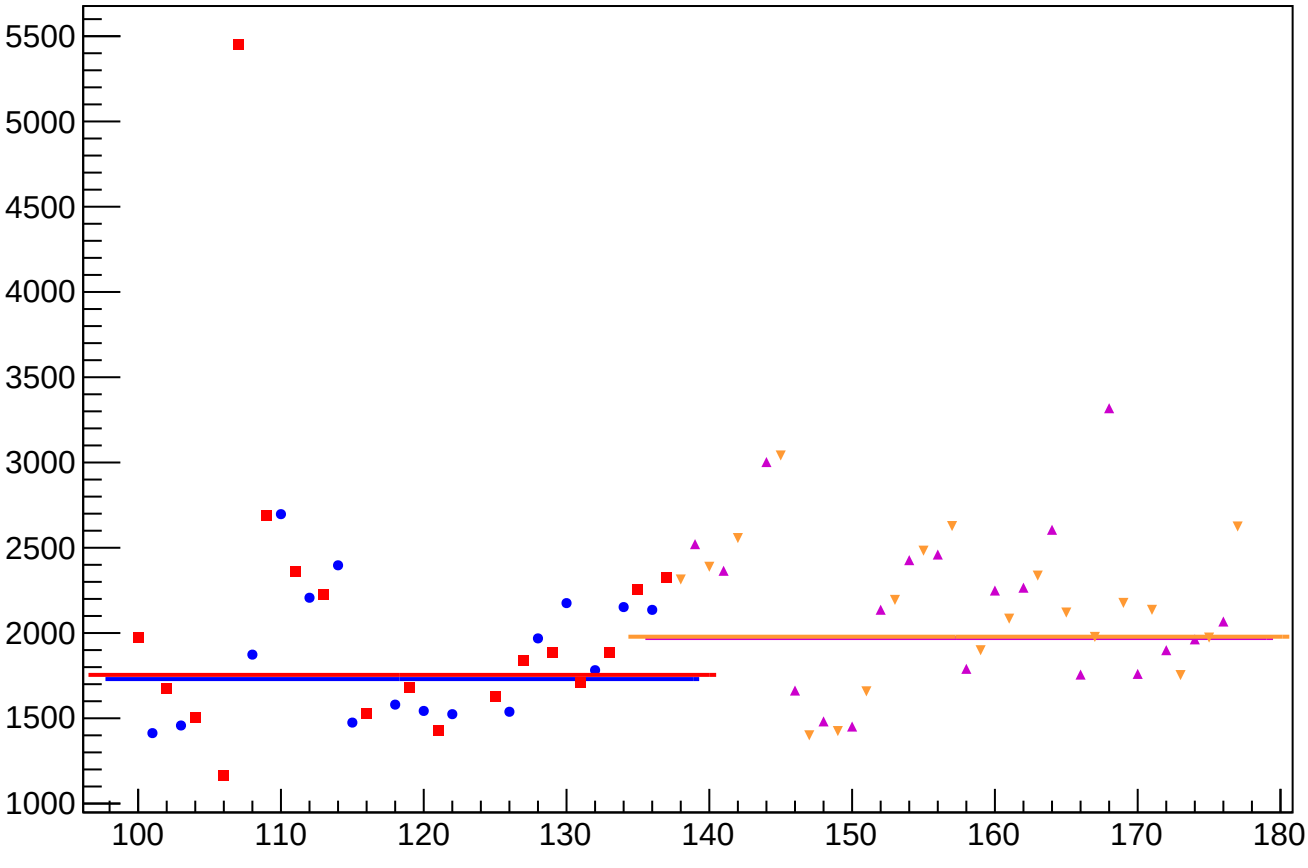
Left: -35.596+/-362.696 χ^2/NDF: 39.0/38

Right: -359.404+/-472.337 χ^2/NDF: 30.5/33

In: 51.636+/-405.277 χ^2/NDF:26.5/34

Out: -366.246+/-408.394 χ^2/NDF:42.8/37

All: -155.704+/-287.670 χ^2/NDF: 69.8/72



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1978.426+/-0.362 χ^2/NDF:1288465.7/19

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1970.599+/-0.364 χ^2/NDF:1415536.9/18

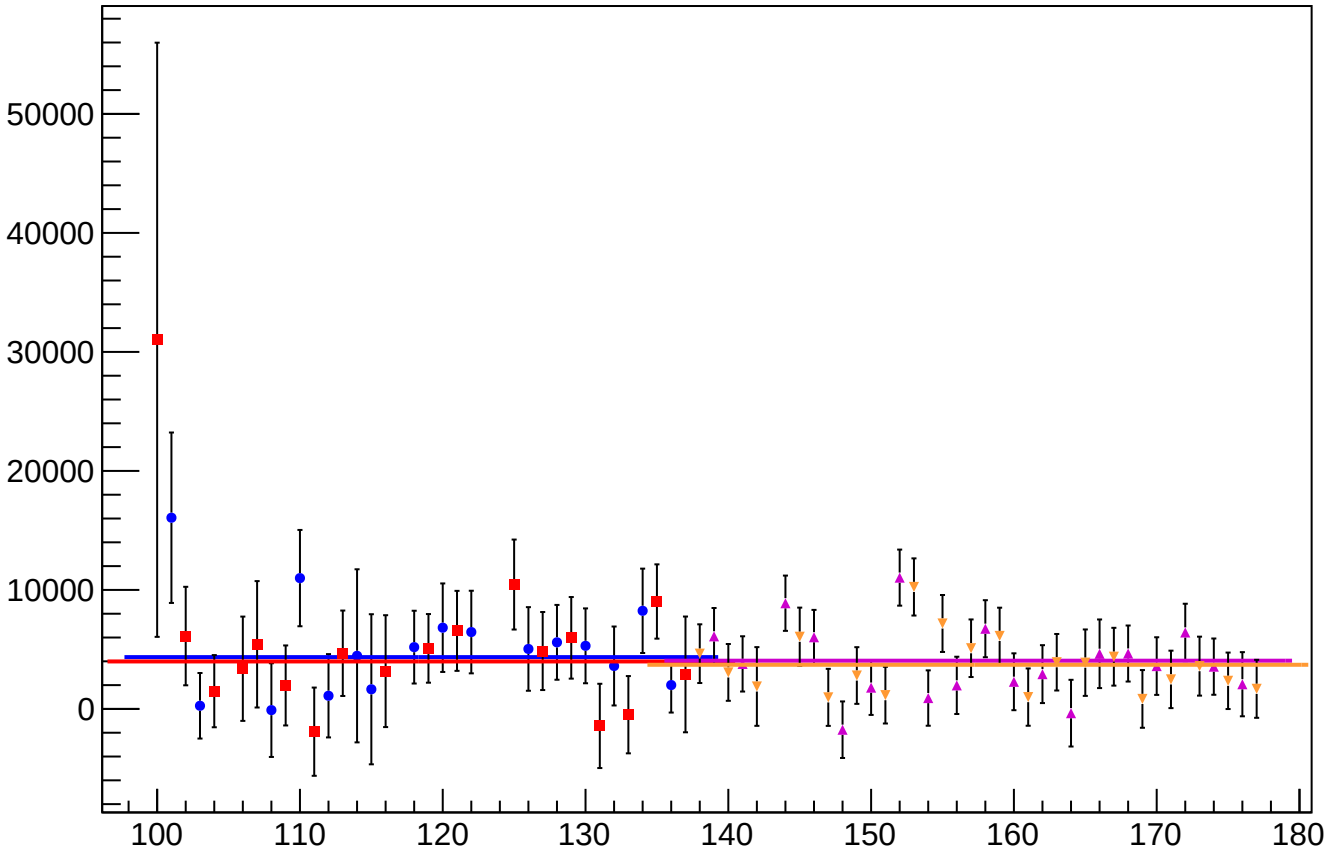
Left: 1974.534+/-0.256 χ^2/NDF: 2704235.4/38

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1879.344+/-0.287 χ^2/NDF:2061496.5/34

Out: 1897.241+/-0.289 χ^2/NDF:2178412.5/37

All: 1888.224+/-0.203 χ^2/NDF: 4241844.2/72



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3709.256+/-548.839 χ^2/NDF:19.0/19

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4052.383+/-554.991 χ^2/NDF:30.3/18

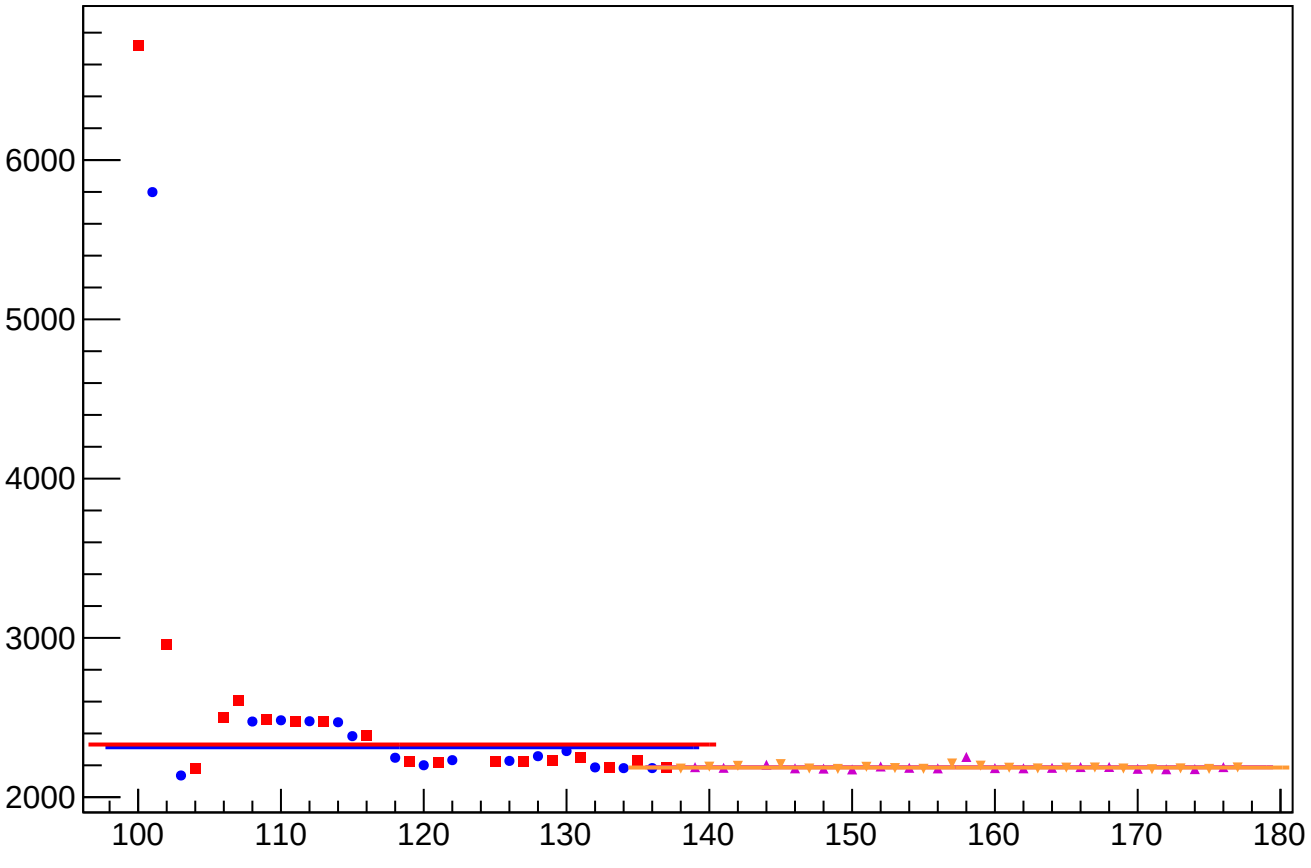
Left: 3878.907+/-390.245 χ^2/NDF: 49.4/38

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4138.797+/-468.691 χ^2/NDF:43.7/34

Out: 3788.954+/-464.411 χ^2/NDF:35.2/37

All: 3962.270+/-329.891 χ^2/NDF: 79.2/72



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2186.100+/-0.388 χ^2/NDF:634.8/19

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2187.883+/-0.392 χ^2/NDF:1858.9/18

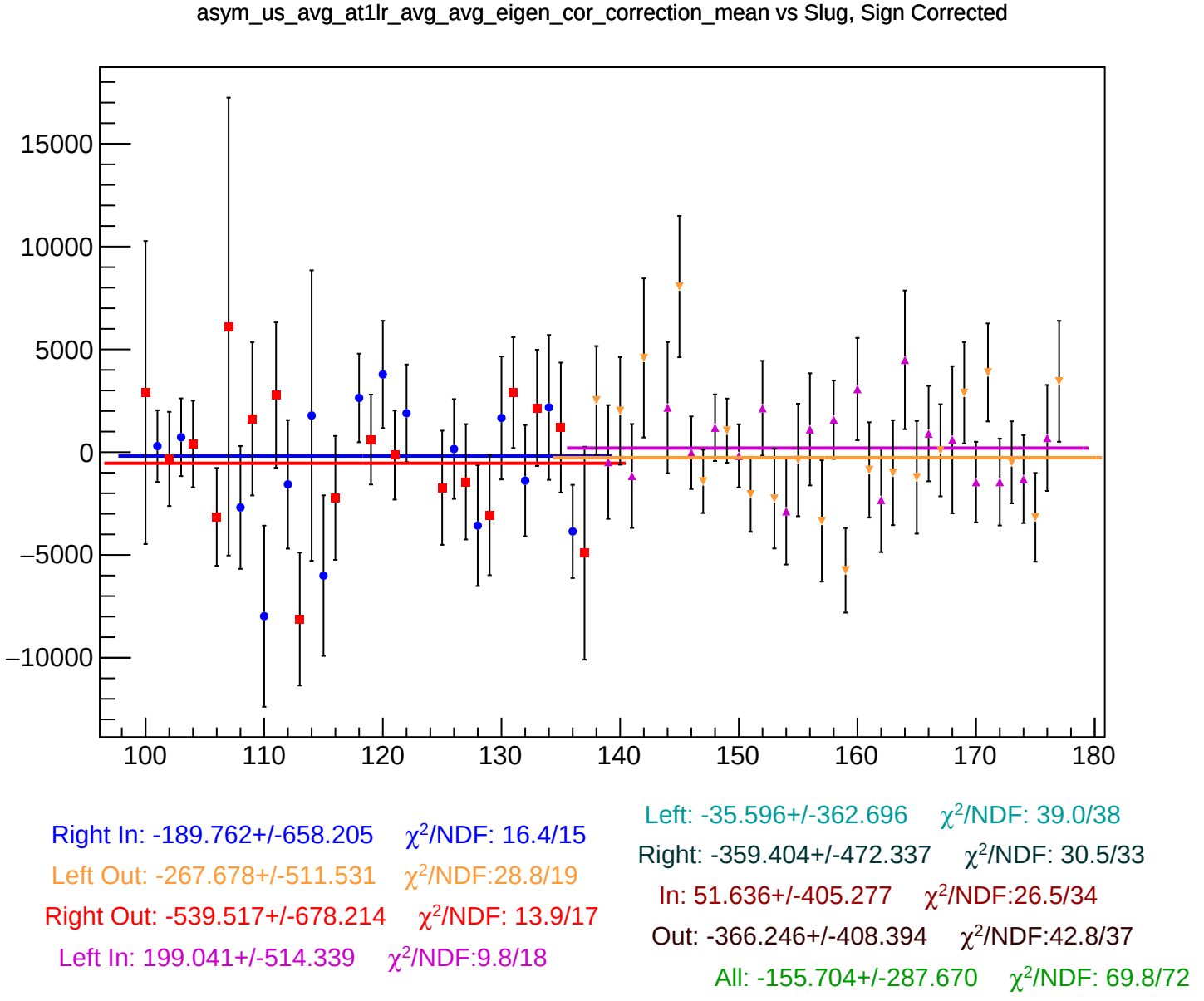
Left: 2186.982+/-0.276 χ^2/NDF: 2504.1/38

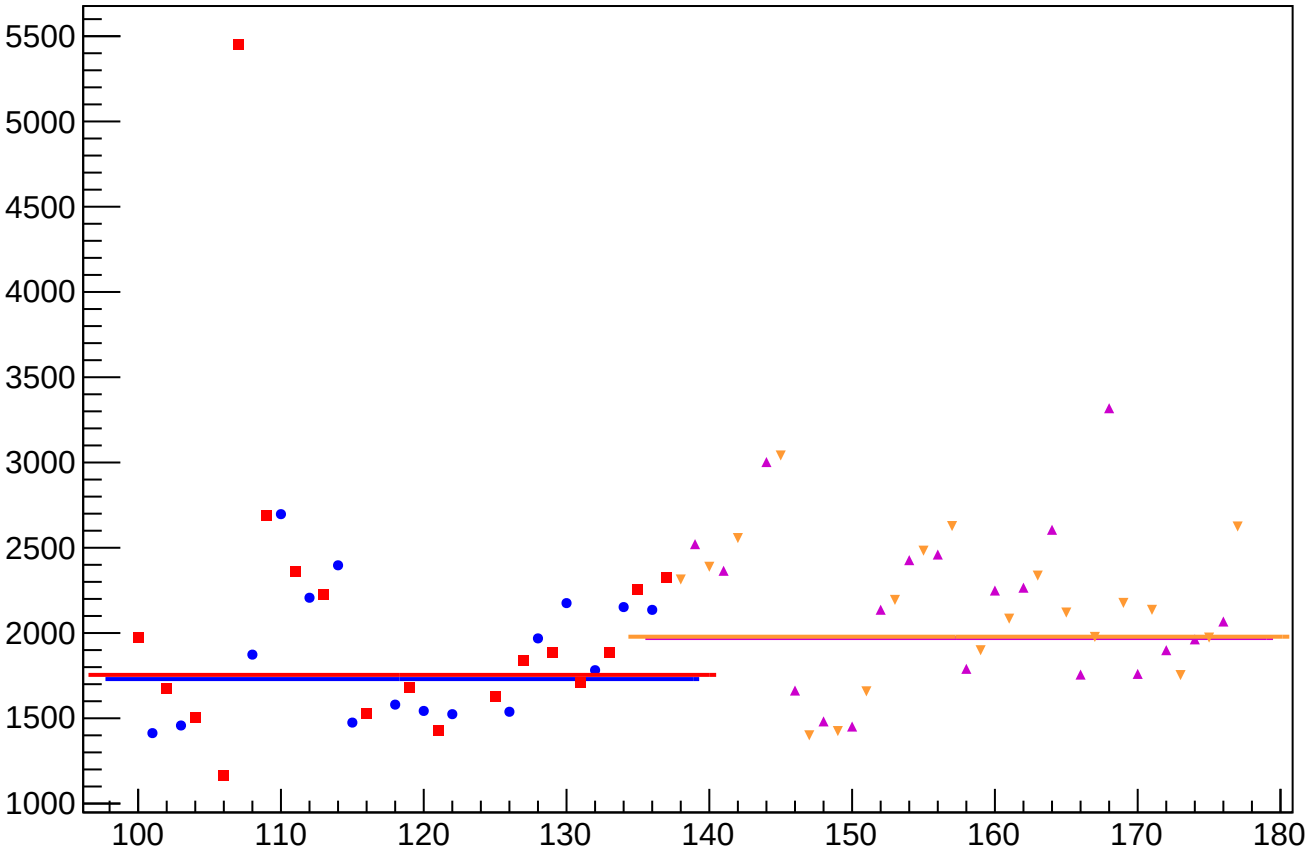
Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

In: 2223.887+/-0.331 χ^2/NDF:543577.6/34

Out: 2227.129+/-0.328 χ^2/NDF:191547.2/37

All: 2225.523+/-0.233 χ^2/NDF: 735173.1/72


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: -267.678+/-511.531 χ²/NDF:28.8/19
Right Out: -539.517+/-678.214 χ²/NDF: 13.9/17
Left In: 199.041+/-514.339 χ²/NDF:9.8/18
Left: -35.596+/-362.696 χ²/NDF: 39.0/38
Right: -359.404+/-472.337 χ²/NDF: 30.5/33
In: 51.636+/-405.277 χ²/NDF:26.5/34
Out: -366.246+/-408.394 χ²/NDF:42.8/37
All: -155.704+/-287.670 χ²/NDF: 69.8/72



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1978.426+/-0.362 χ^2/NDF:1288465.7/19

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1970.599+/-0.364 χ^2/NDF:1415536.9/18

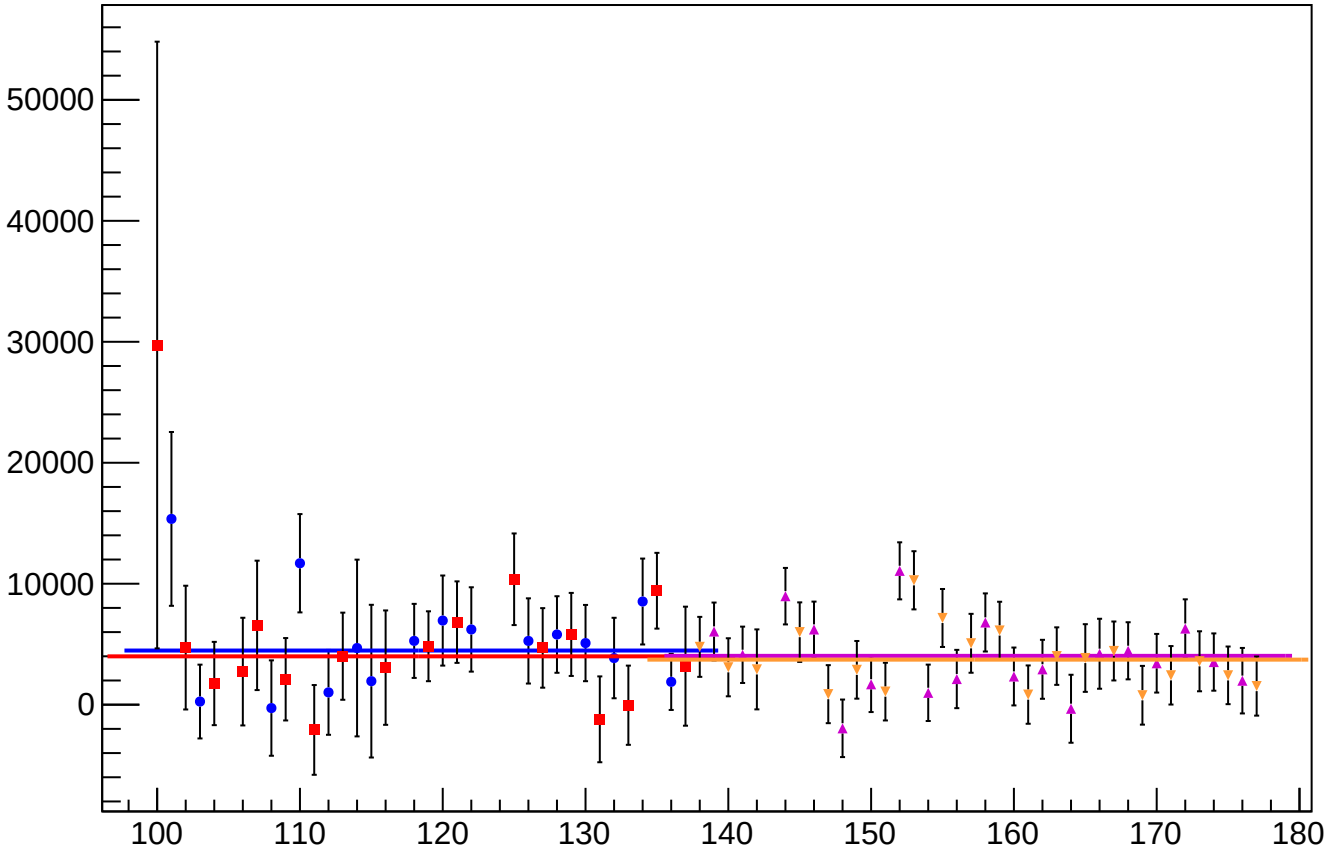
Left: 1974.534+/-0.256 χ^2/NDF: 2704235.4/38

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1879.344+/-0.287 χ^2/NDF:2061496.5/34

Out: 1897.241+/-0.289 χ^2/NDF:2178412.5/37

All: 1888.224+/-0.203 χ^2/NDF: 4241844.2/72



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 3723.278+/-550.198 χ^2/NDF:19.2/19

Right Out: 3995.807+/-890.441 χ^2/NDF: 15.5/17

Left In: 4036.758+/-556.266 χ^2/NDF:30.7/18

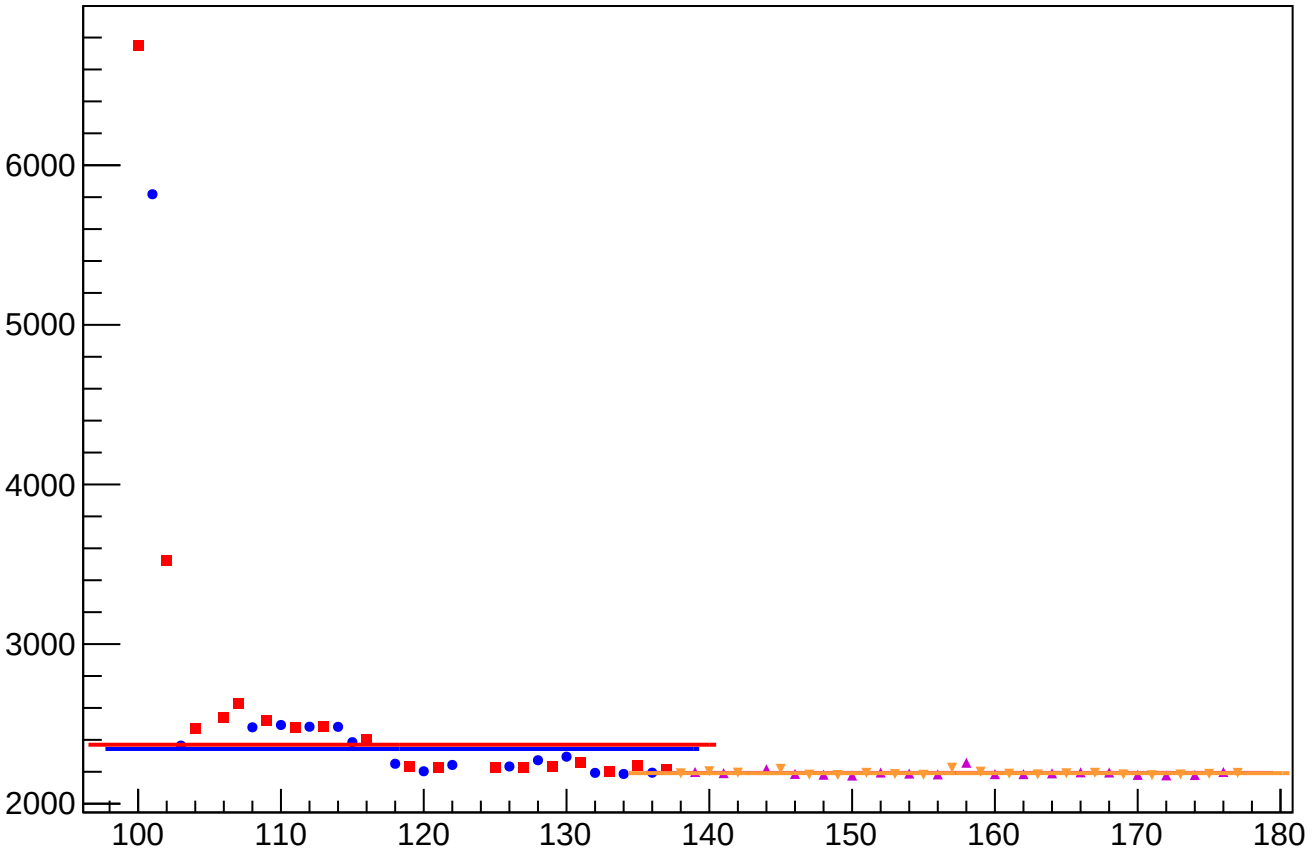
Left: 3878.299+/-391.176 χ^2/NDF: 50.1/38

Right: 4237.297+/-628.092 χ^2/NDF: 29.2/33

In: 4161.051+/-471.123 χ^2/NDF:44.5/34

Out: 3798.579+/-468.056 χ^2/NDF:34.7/37

All: 3978.631+/-332.045 χ^2/NDF: 79.5/72



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2191.430+/-0.389 χ^2/NDF:972.2/19

Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2192.855+/-0.393 χ^2/NDF:2068.5/18

Left: 2192.135+/-0.277 χ^2/NDF: 3047.3/38

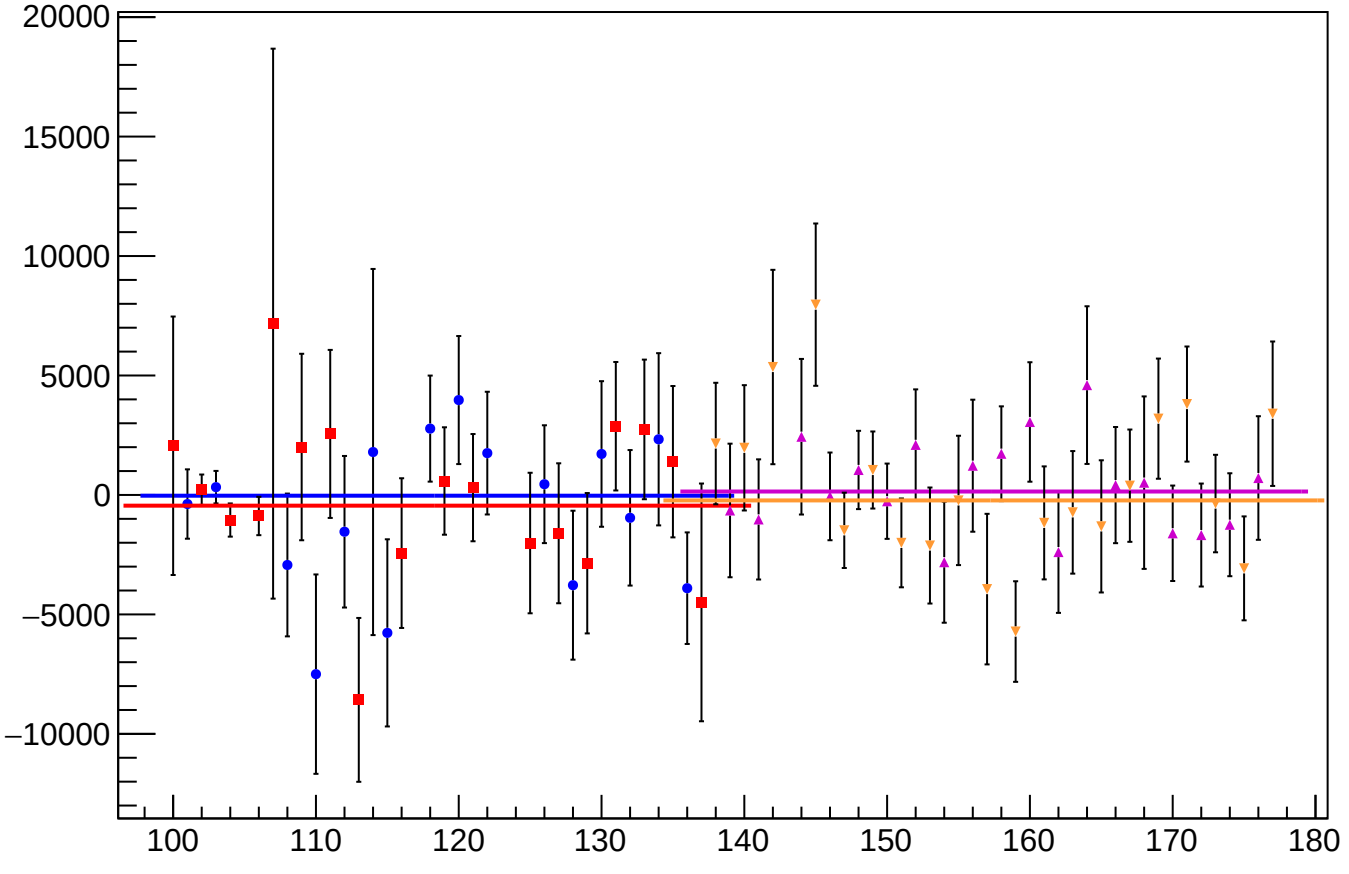
Right: 2356.178+/-0.444 χ^2/NDF: 713914.5/33

In: 2235.275+/-0.333 χ^2/NDF:546079.0/34

Out: 2240.652+/-0.331 χ^2/NDF:269050.8/37

All: 2237.981+/-0.235 χ^2/NDF: 815260.9/72

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: -228.561+/-520.589 χ^2/NDF:28.5/19

Right Out: -448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: 143.697+/-522.594 χ^2/NDF:10.2/18

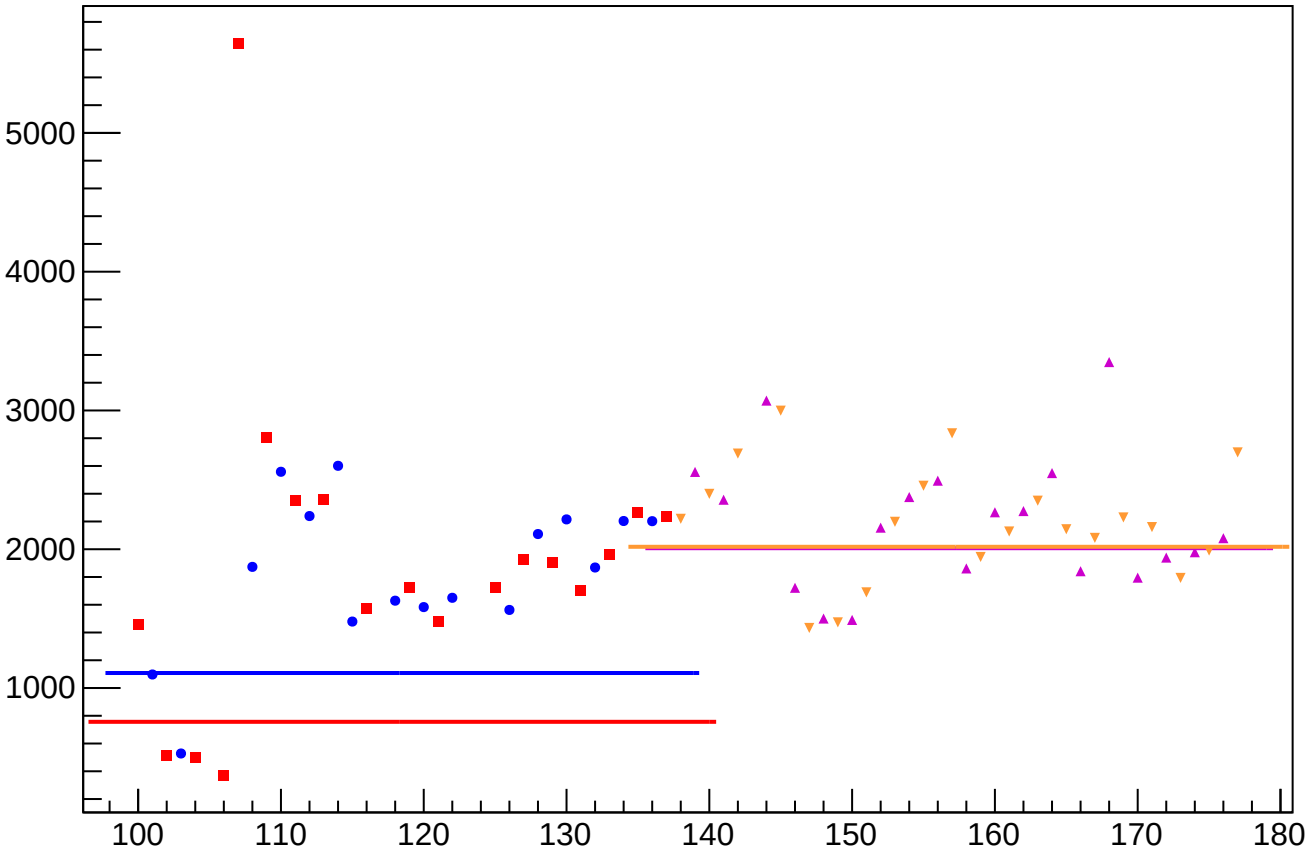
Left: -43.147+/-368.819 χ^2/NDF: 38.9/38

Right: -298.942+/-290.465 χ^2/NDF: 31.9/33

In: 49.687+/-355.624 χ^2/NDF:26.5/34

Out: -376.501+/-297.523 χ^2/NDF:43.7/37

All: -201.022+/-228.194 χ^2/NDF: 71.1/72



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 2017.675+/-0.368 χ^2/NDF:1233335.7/19

Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 2007.493+/-0.370 χ^2/NDF:1316648.6/18

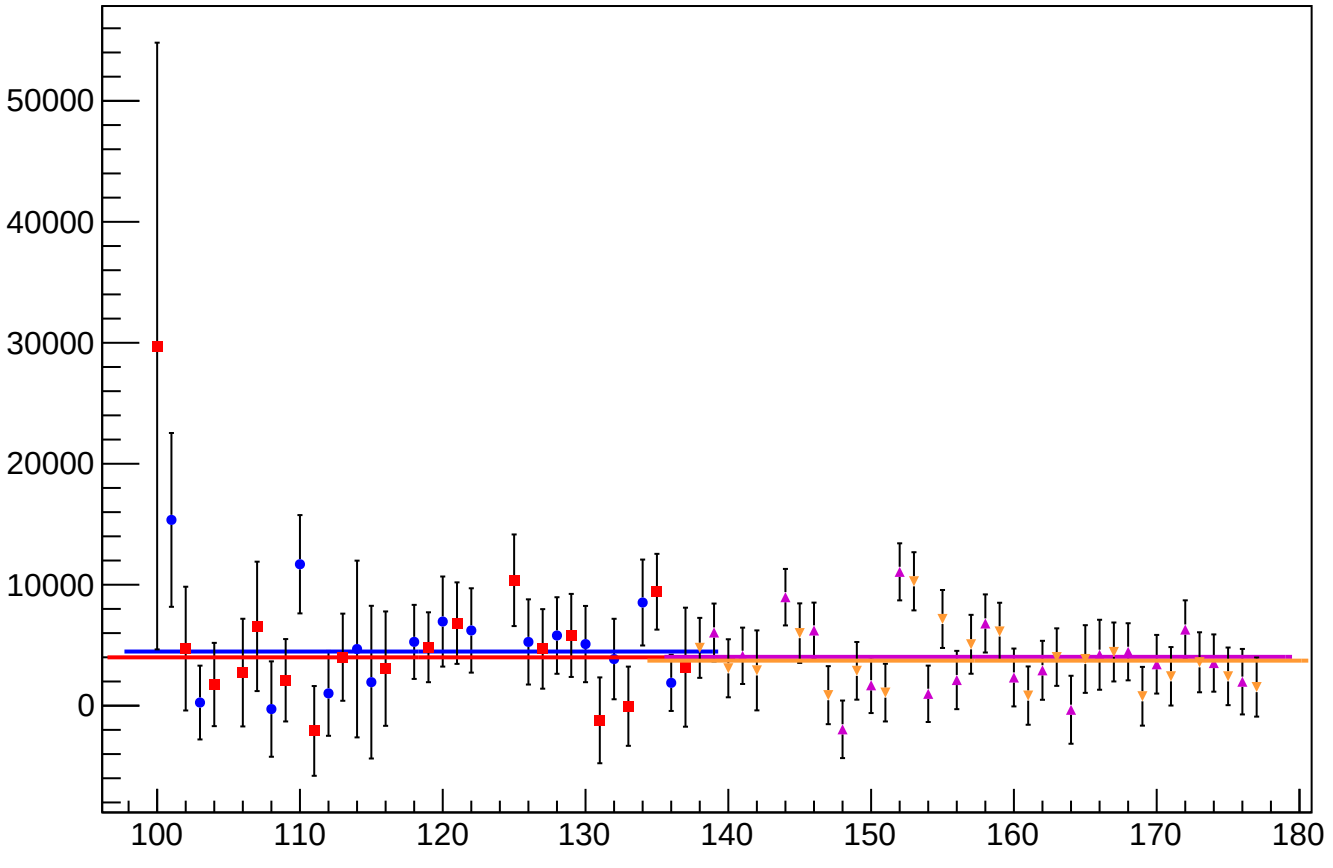
Left: 2012.604+/-0.261 χ^2/NDF: 2550365.5/38

Right: 882.403+/-0.205 χ^2/NDF: 10023844.2/33

In: 1524.610+/-0.251 χ^2/NDF:8243462.8/34

Out: 1168.378+/-0.210 χ^2/NDF:14741576.8/37

All: 1315.054+/-0.161 χ^2/NDF: 24165579.0/7



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 3723.277+/-550.198 χ^2/NDF:19.2/19

Right Out: 3995.803+/-890.441 χ^2/NDF: 15.5/17

Left In: 4036.759+/-556.266 χ^2/NDF:30.7/18

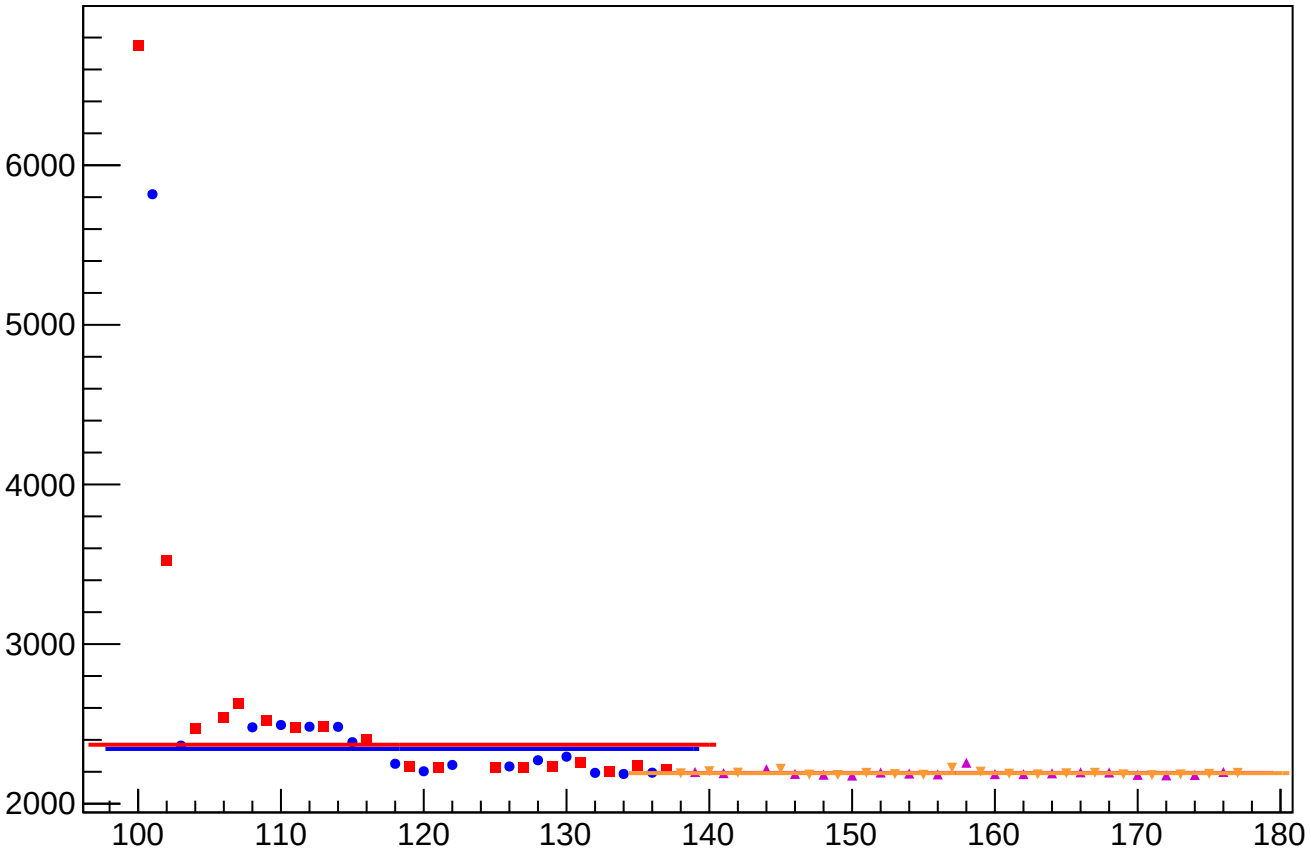
Left: 3878.299+/-391.176 χ^2/NDF: 50.1/38

Right: 4237.293+/-628.092 χ^2/NDF: 29.2/33

In: 4161.051+/-471.123 χ^2/NDF:44.5/34

Out: 3798.577+/-468.056 χ^2/NDF:34.7/37

All: 3978.630+/-332.045 χ^2/NDF: 79.5/72



Right In: 2342.913+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2191.430+/-0.389 χ^2/NDF:972.2/19

Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2192.855+/-0.393 χ^2/NDF:2068.5/18

Left: 2192.135+/-0.277 χ^2/NDF: 3047.3/38

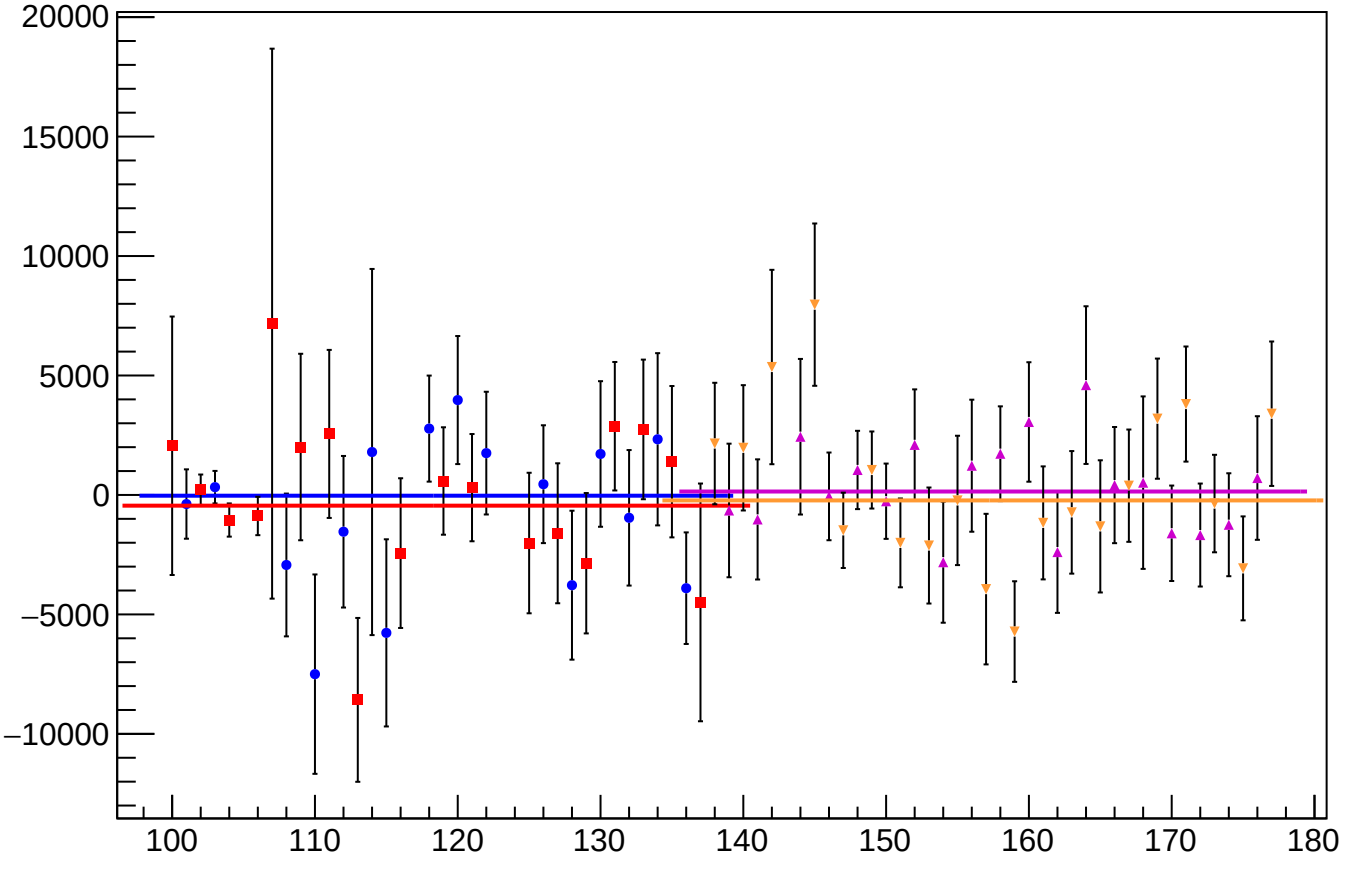
Right: 2356.177+/-0.444 χ^2/NDF: 713913.5/33

In: 2235.275+/-0.333 χ^2/NDF:546078.8/34

Out: 2240.652+/-0.331 χ^2/NDF:269049.3/37

All: 2237.981+/-0.235 χ^2/NDF: 815259.2/72

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: -228.565+/-520.590 χ^2/NDF:28.5/19

Right Out: -448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: 143.699+/-522.595 χ^2/NDF:10.2/18

Left: -43.149+/-368.820 χ^2/NDF: 38.9/38

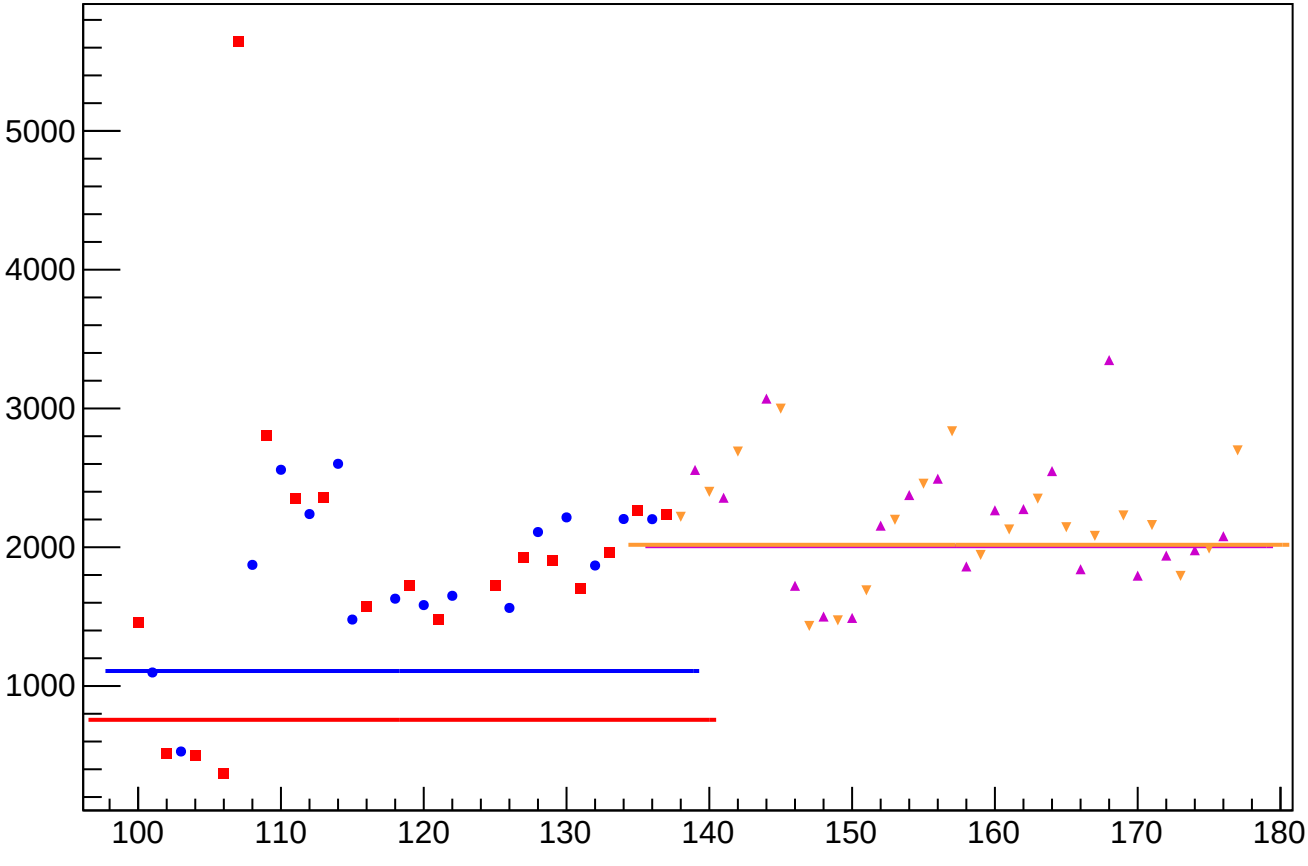
Right: -298.945+/-290.468 χ^2/NDF: 31.9/33

In: 49.685+/-355.626 χ^2/NDF:26.5/34

Out: -376.504+/-297.526 χ^2/NDF:43.7/37

All: -201.023+/-228.196 χ^2/NDF: 71.1/72

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: 2017.679+/-0.368 χ^2/NDF:1233335.6/19

Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

Left In: 2007.497+/-0.370 χ^2/NDF:1316647.6/18

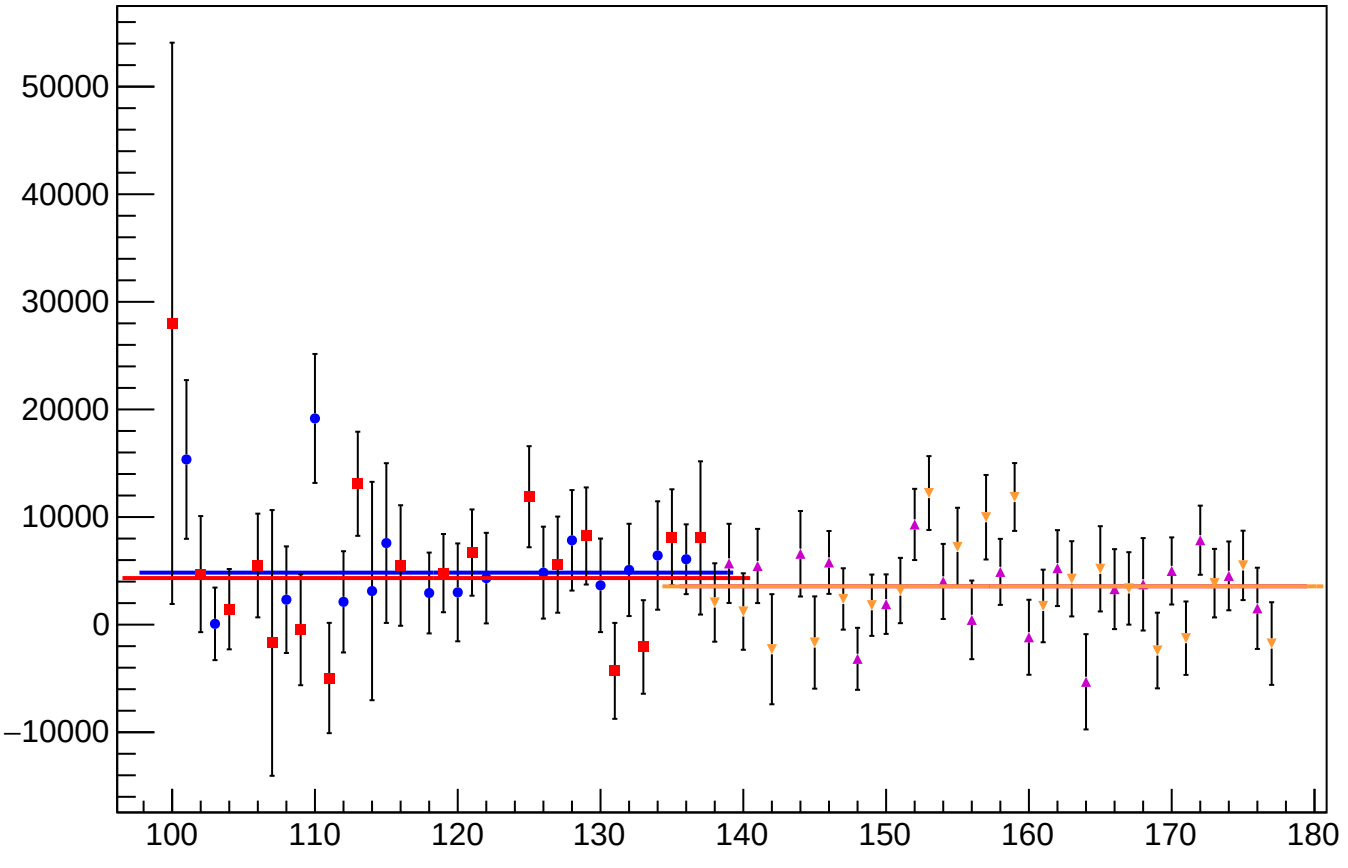
Left: 2012.607+/-0.261 χ^2/NDF: 2550364.3/38

Right: 882.417+/-0.205 χ^2/NDF: 10023620.2/33

In: 1524.619+/-0.251 χ^2/NDF:8243321.7/34

Out: 1168.396+/-0.210 χ^2/NDF:14741228.2/37

All: 1315.069+/-0.161 χ^2/NDF: 24165015.1/7



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 3560.247+/-771.866 χ^2/NDF:28.6/19

Right Out: 4328.601+/-1144.541 χ^2/NDF: 19.9/17

Left In: 3567.746+/-777.976 χ^2/NDF:20.1/18

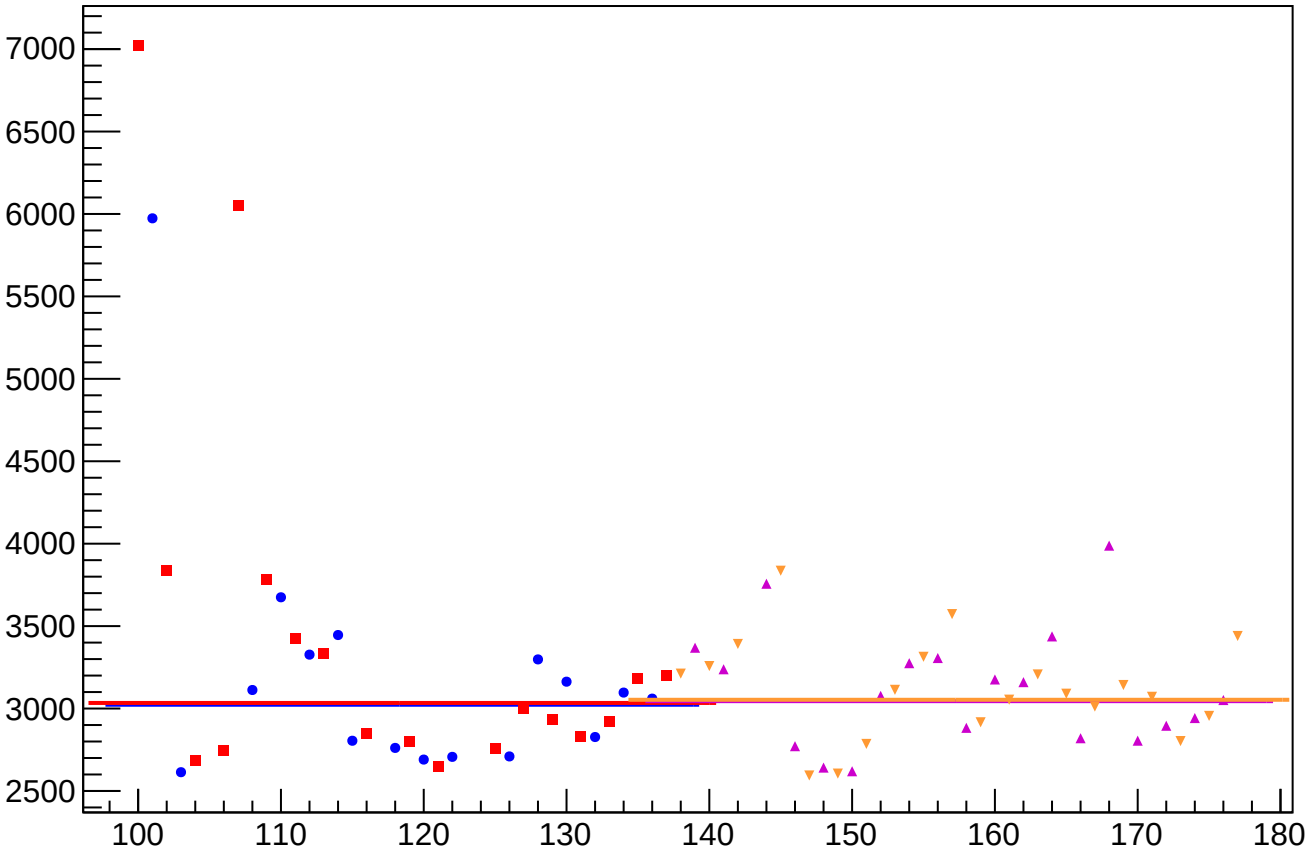
Left: 3563.967+/-547.939 χ^2/NDF: 48.7/38

Right: 4581.647+/-808.603 χ^2/NDF: 31.7/33

In: 3968.806+/-643.053 χ^2/NDF:32.6/34

Out: 3800.450+/-639.941 χ^2/NDF:48.8/37

All: 3884.220+/-453.603 χ^2/NDF: 81.4/72



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 3053.121+/-0.546 χ^2/NDF:292404.1/19

Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3044.764+/-0.550 χ^2/NDF:357418.1/18

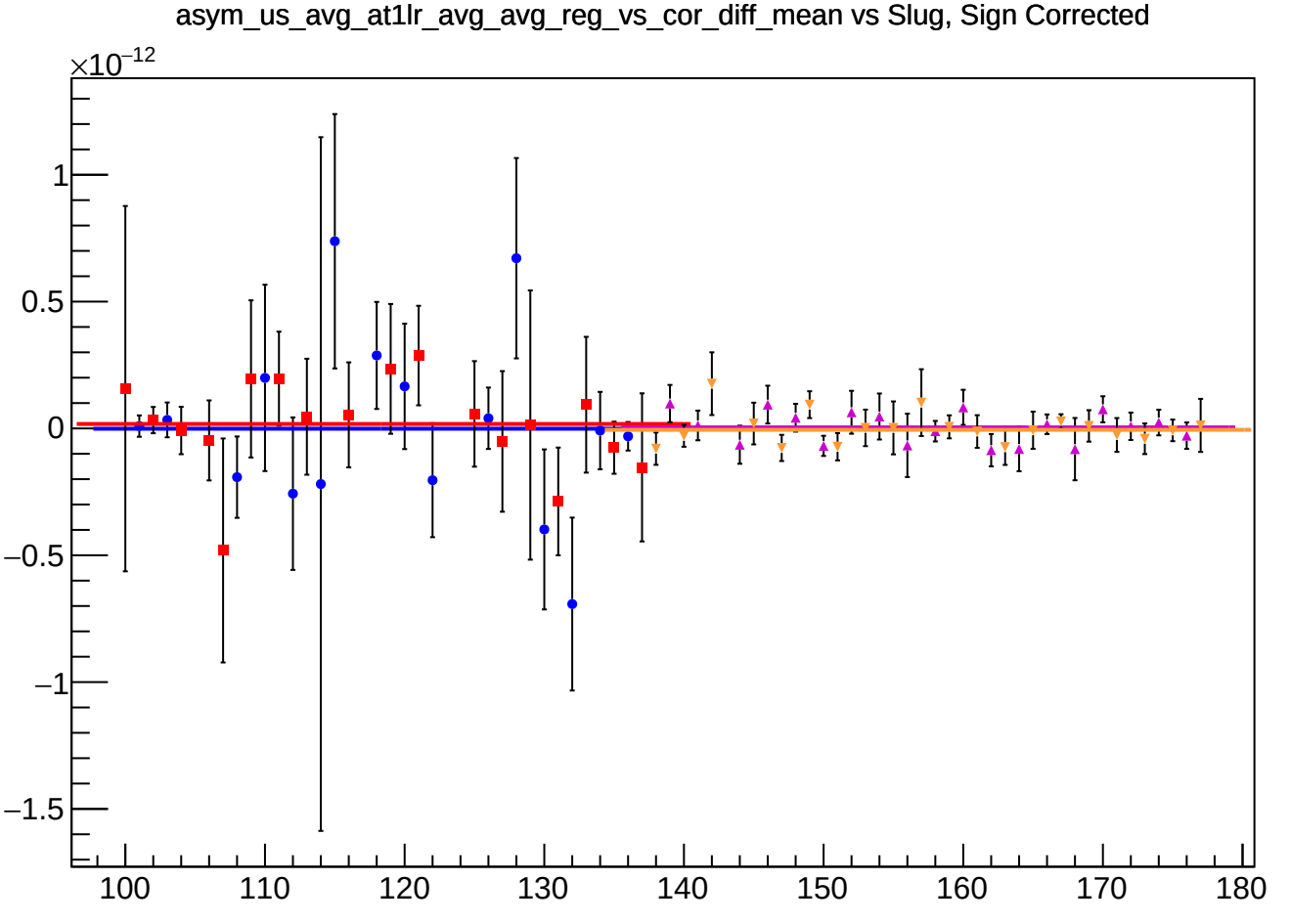
Left: 3048.976+/-0.387 χ^2/NDF: 649938.5/38

Right: 3028.459+/-0.572 χ^2/NDF: 786469.7/33

In: 3037.892+/-0.455 χ^2/NDF:801616.7/34

Out: 3047.102+/-0.453 χ^2/NDF:635467.7/37

All: 3042.519+/-0.321 χ^2/NDF: 1437290.6/72



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: 0.000+/-0.000 χ^2/NDF:16.2/18

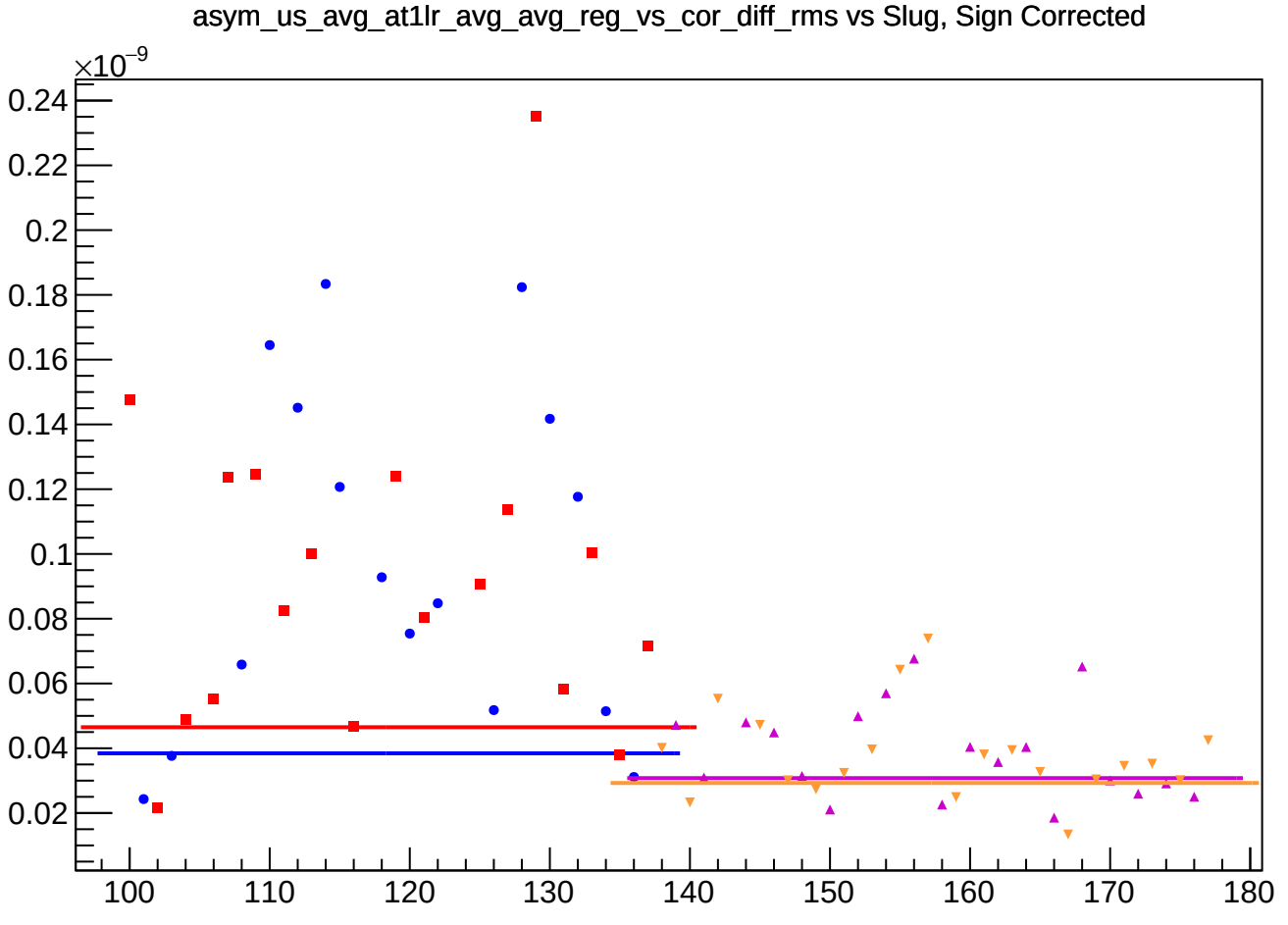
Left: -0.000+/-0.000 χ^2/NDF: 31.0/38

Right: 0.000+/-0.000 χ^2/NDF: 26.3/33

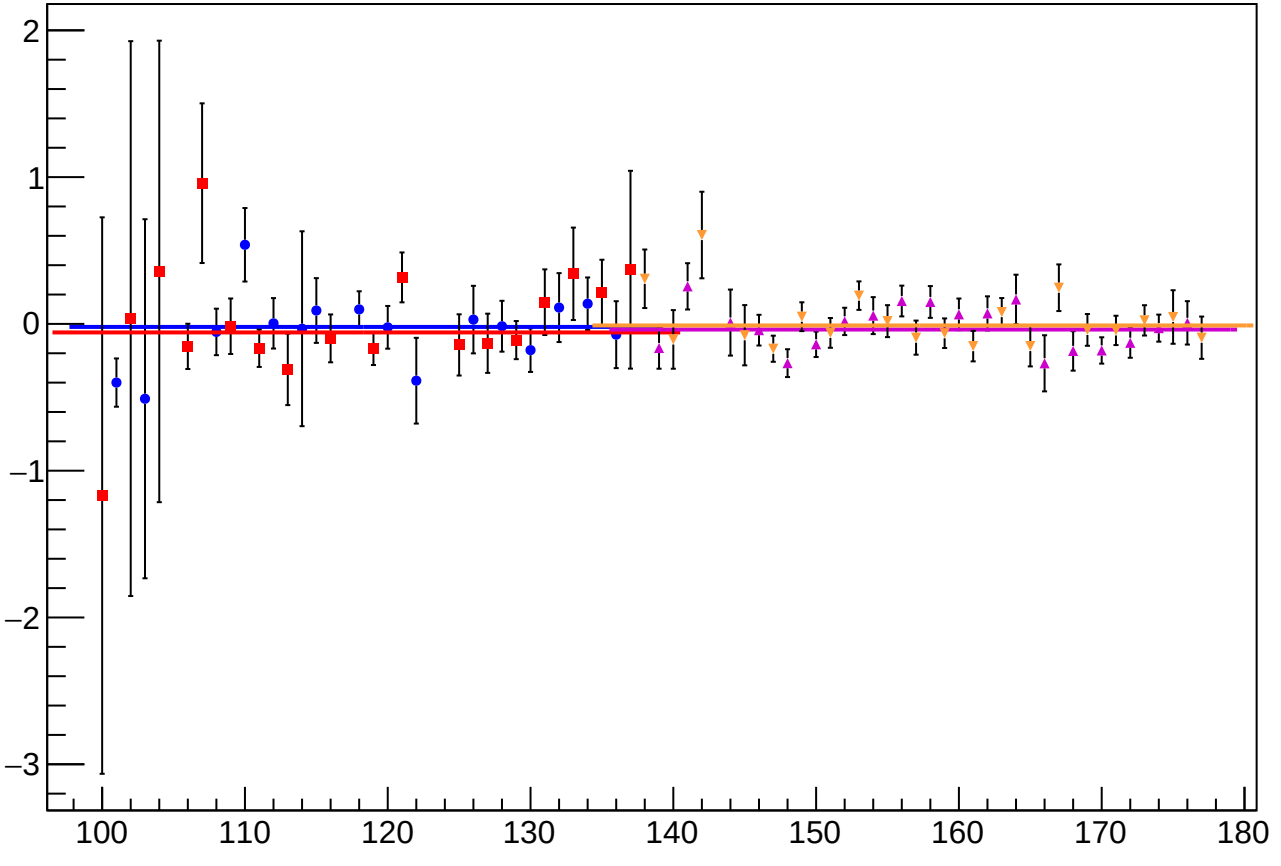
In: 0.000+/-0.000 χ^2/NDF:33.4/34

Out: -0.000+/-0.000 χ^2/NDF:23.9/37

All: 0.000+/-0.000 χ^2/NDF: 57.3/72


asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1771405.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1582963.7/19
Right Out: 0.000+/-0.000 χ²/NDF: 1697135.5/17
Left In: 0.000+/-0.000 χ²/NDF:1395516.6/18
Left: 0.000+/-0.000 χ²/NDF: 2991724.5/38
Right: 0.000+/-0.000 χ²/NDF: 3535596.3/33
In: 0.000+/-0.000 χ²/NDF:3294221.1/34
Out: 0.000+/-0.000 χ²/NDF:3718416.1/37
All: 0.000+/-0.000 χ²/NDF: 7018867.4/72

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: -0.011+/-0.026 χ^2/NDF:23.4/19

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.038+/-0.026 χ^2/NDF:28.2/18

Left: -0.025+/-0.019 χ^2/NDF: 52.1/38

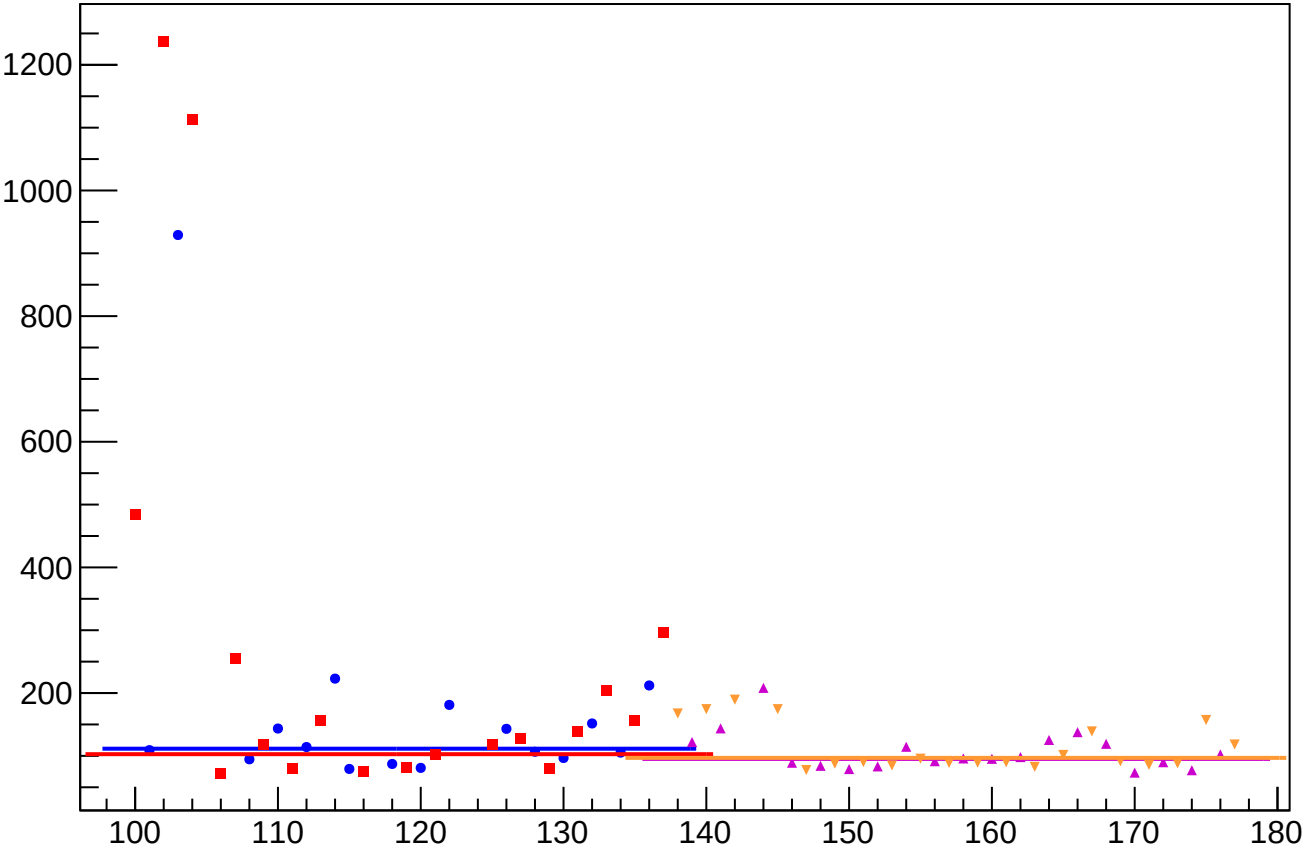
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.034+/-0.023 χ^2/NDF:43.9/34

Out: -0.022+/-0.023 χ^2/NDF:41.0/37

All: -0.028+/-0.016 χ^2/NDF: 85.1/72

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 96.796+/-0.019 χ^2/NDF:1712004.7/19

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 95.142+/-0.018 χ^2/NDF:1386700.9/18

Left: 95.959+/-0.013 χ^2/NDF: 3102661.0/38

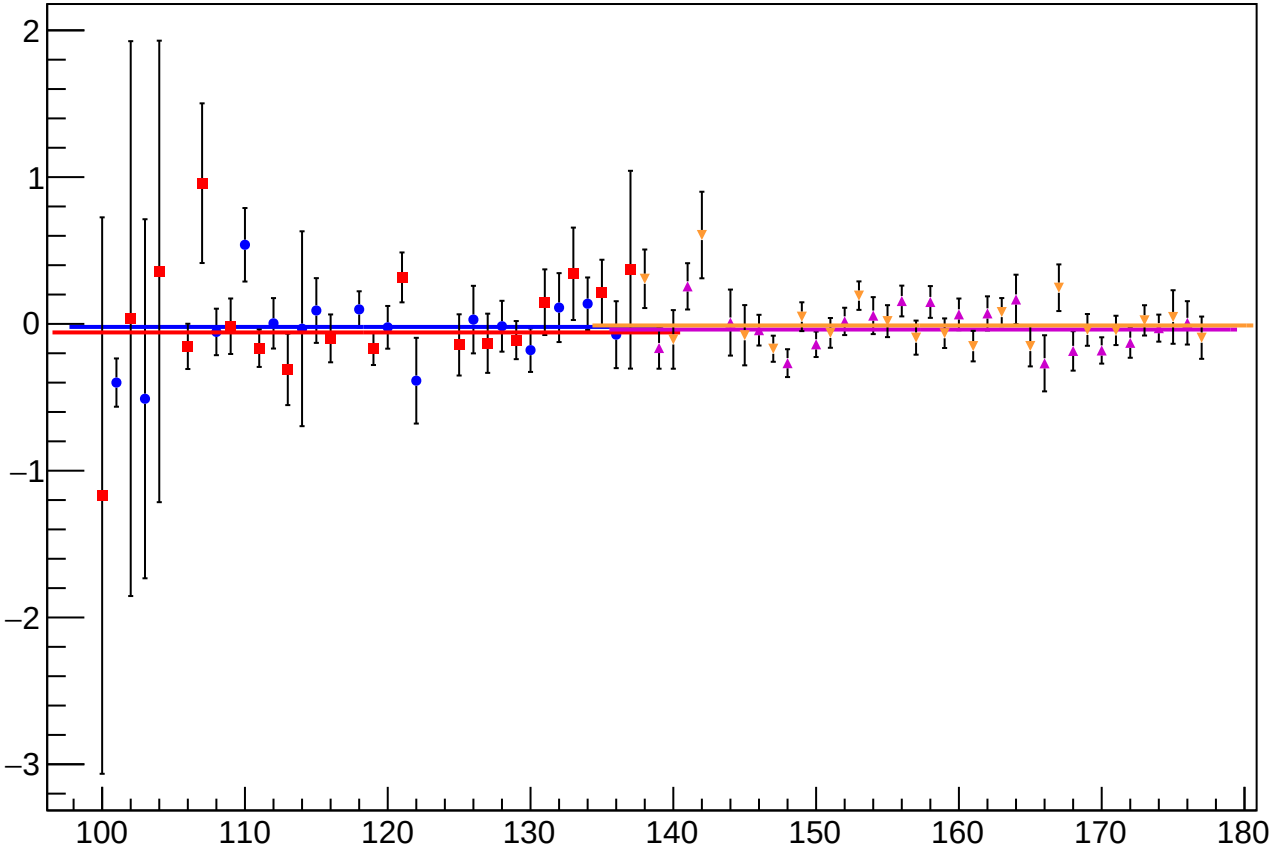
Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 98.908+/-0.016 χ^2/NDF:3405289.8/34

Out: 98.239+/-0.016 χ^2/NDF:4563058.6/37

All: 98.575+/-0.011 χ^2/NDF: 7969198.3/72

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.011+/-0.026 χ^2/NDF:23.4/19

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.038+/-0.026 χ^2/NDF:28.2/18

Left: -0.025+/-0.019 χ^2/NDF: 52.1/38

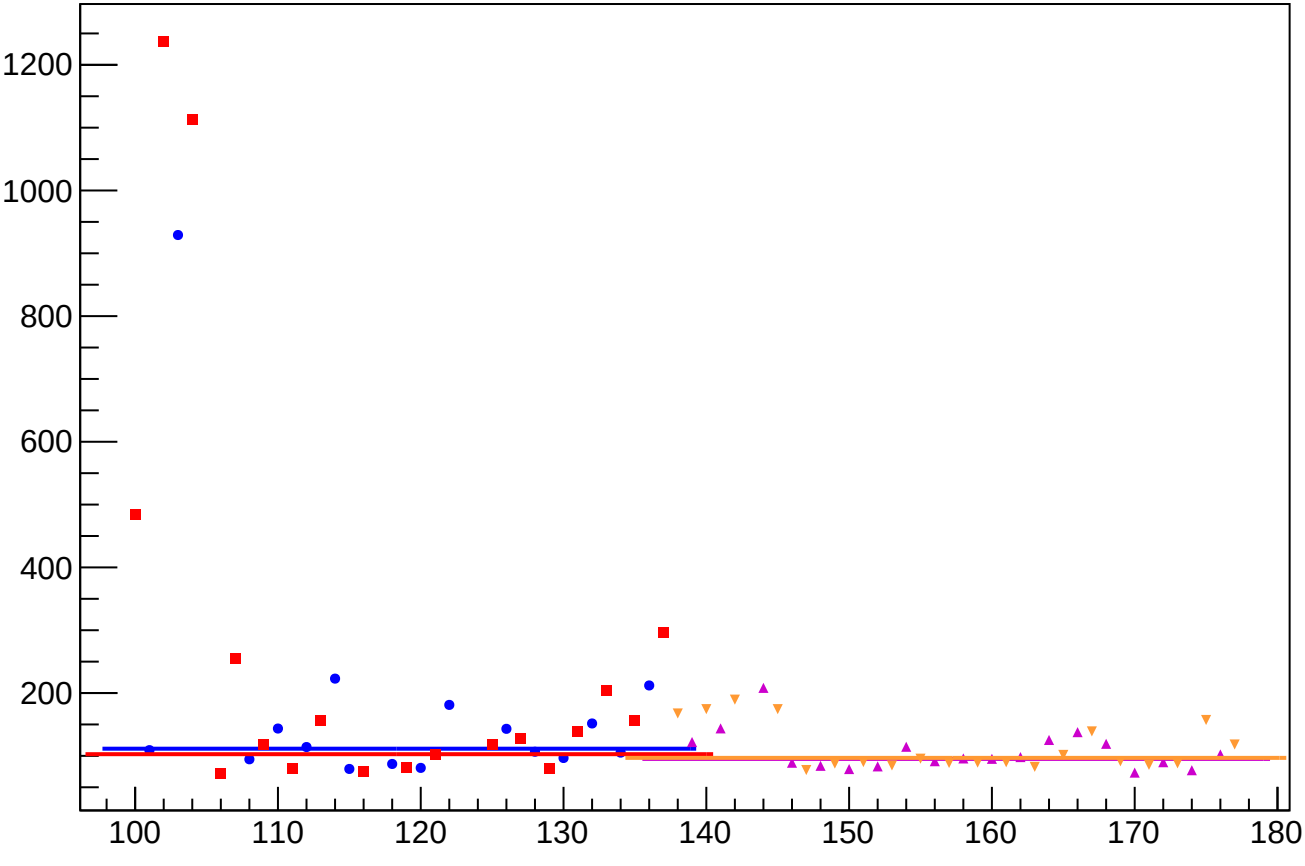
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.034+/-0.023 χ^2/NDF:43.9/34

Out: -0.022+/-0.023 χ^2/NDF:41.0/37

All: -0.028+/-0.016 χ^2/NDF: 85.1/72

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 96.796+/-0.019 χ^2/NDF:1712004.7/19

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 95.142+/-0.018 χ^2/NDF:1386700.9/18

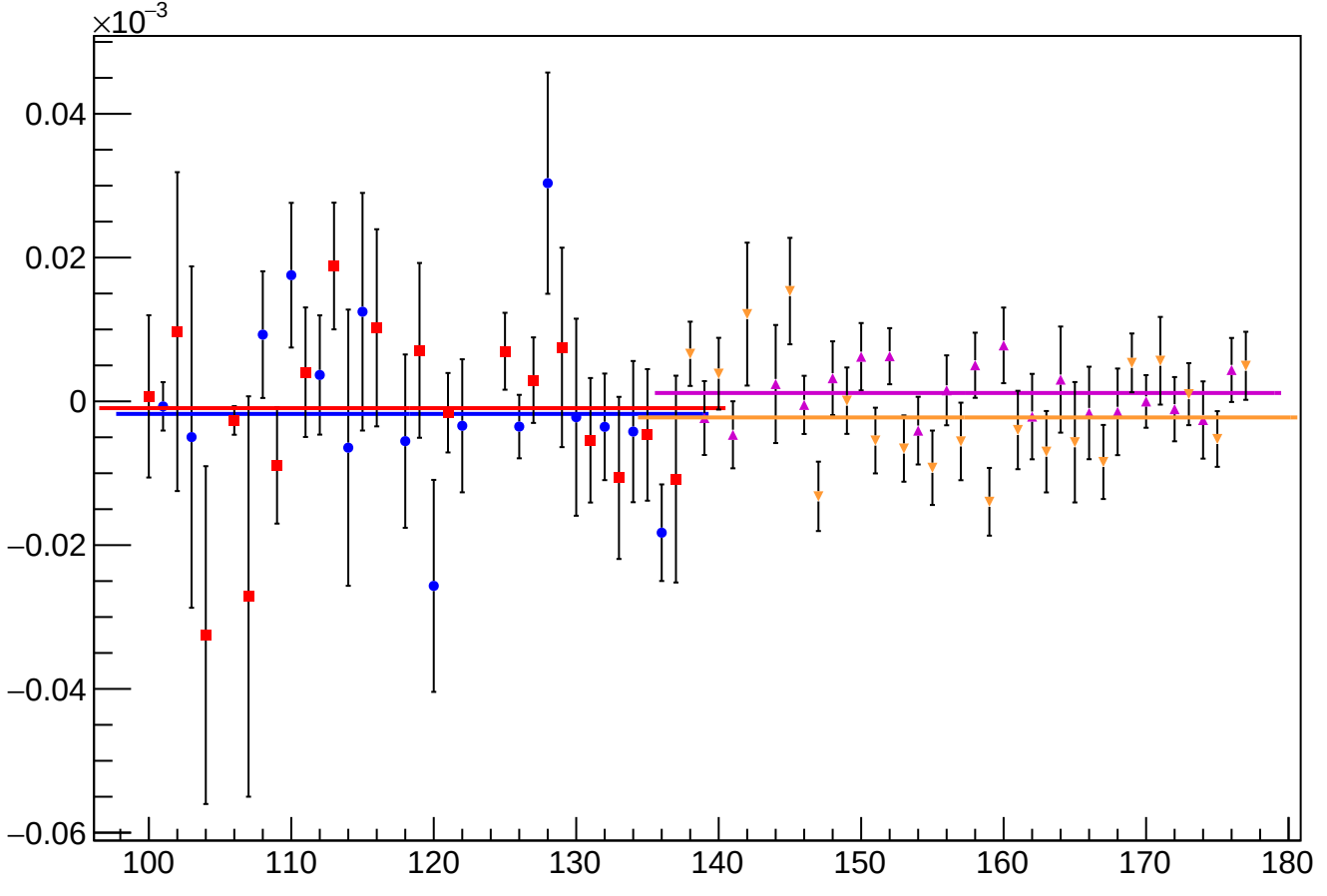
Left: 95.959+/-0.013 χ^2/NDF: 3102661.0/38

Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 98.908+/-0.016 χ^2/NDF:3405289.8/34

Out: 98.239+/-0.016 χ^2/NDF:4563058.6/37

All: 98.575+/-0.011 χ^2/NDF: 7969198.3/72



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.4/19

Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:10.9/18

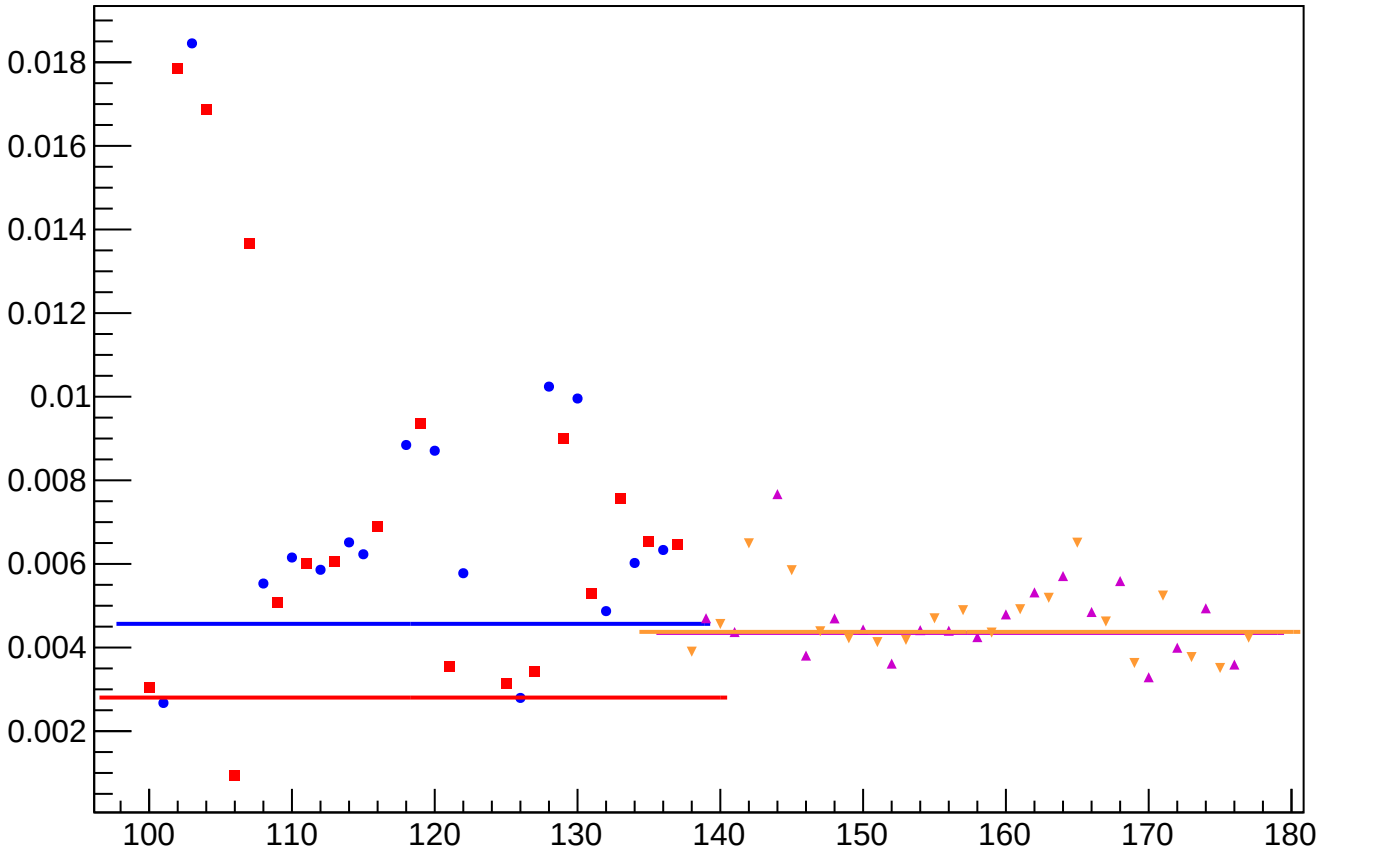
Left: -0.000+/-0.000 χ^2/NDF: 54.8/38

Right: -0.000+/-0.000 χ^2/NDF: 35.9/33

In: 0.000+/-0.000 χ^2/NDF:32.6/34

Out: -0.000+/-0.000 χ^2/NDF:55.6/37

All: -0.000+/-0.000 χ^2/NDF: 91.0/72



Right In: 0.005+/-0.000 χ^2/NDF: 3012257.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:676047.1/19

Right Out: 0.003+/-0.000 χ^2/NDF: 6610011.8/17

Left In: 0.004+/-0.000 χ^2/NDF:948697.7/18

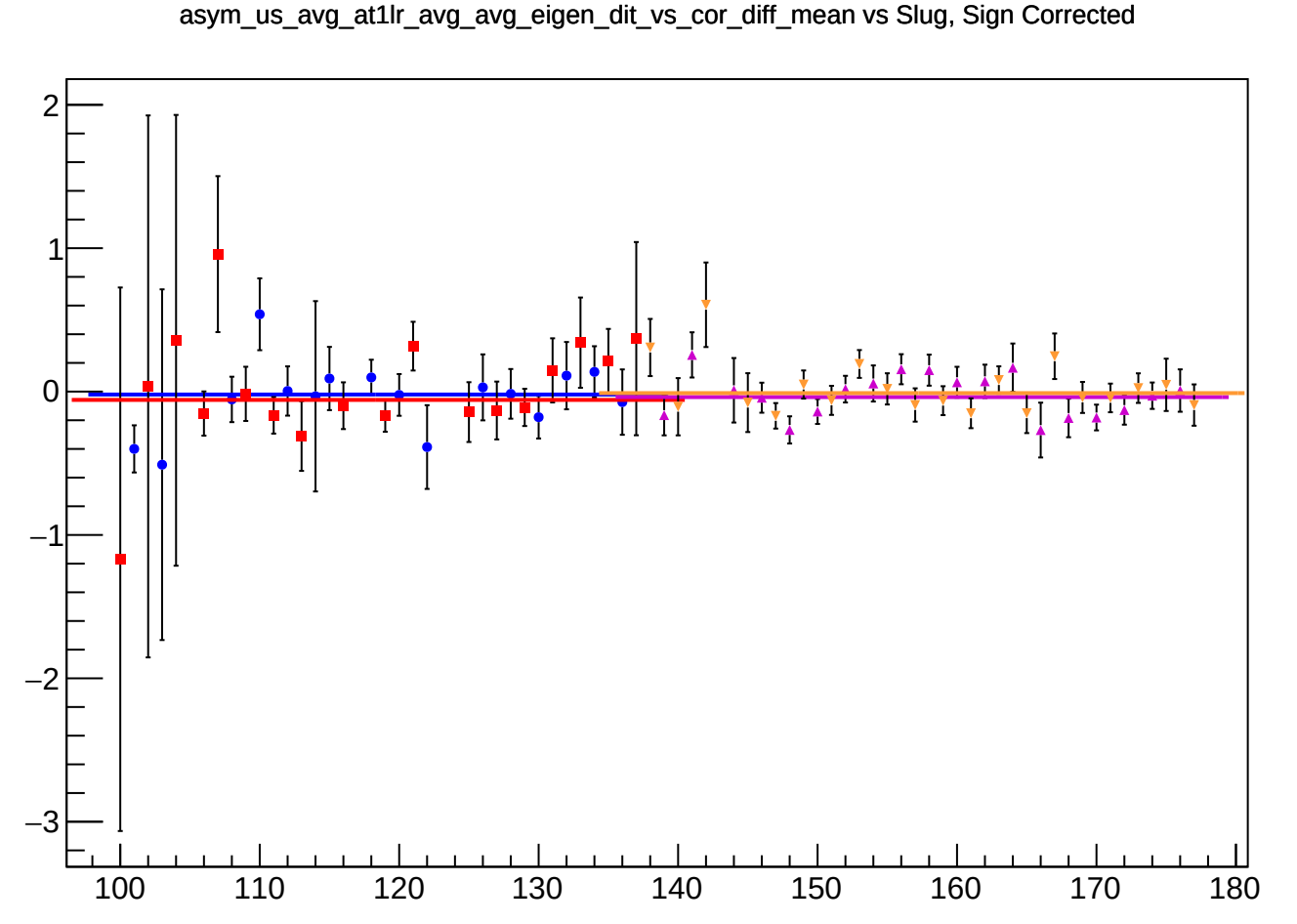
Left: 0.004+/-0.000 χ^2/NDF: 1625232.4/38

Right: 0.003+/-0.000 χ^2/NDF: 10674508.6/33

In: 0.004+/-0.000 χ^2/NDF:3979829.7/34

Out: 0.004+/-0.000 χ^2/NDF:8716016.7/37

All: 0.004+/-0.000 χ^2/NDF: 13117877.7/72



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.011+/-0.026 χ^2/NDF:23.4/19

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.038+/-0.026 χ^2/NDF:28.2/18

Left: -0.025+/-0.019 χ^2/NDF: 52.1/38

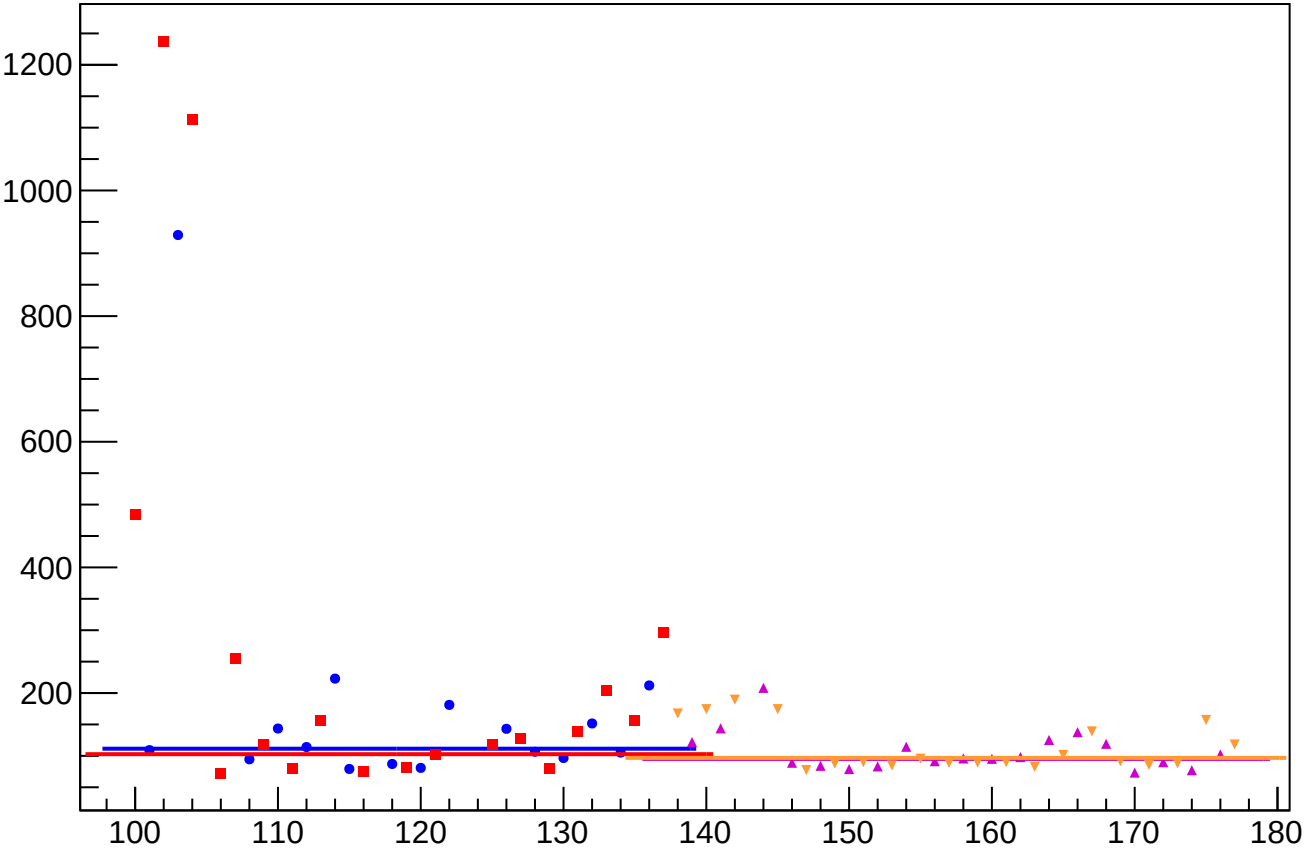
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.034+/-0.023 χ^2/NDF:43.9/34

Out: -0.022+/-0.023 χ^2/NDF:41.0/37

All: -0.028+/-0.016 χ^2/NDF: 85.1/72

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 96.797+/-0.019 χ^2/NDF:1711975.9/19

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 95.142+/-0.018 χ^2/NDF:1386671.2/18

Left: 95.959+/-0.013 χ^2/NDF: 3102603.8/38

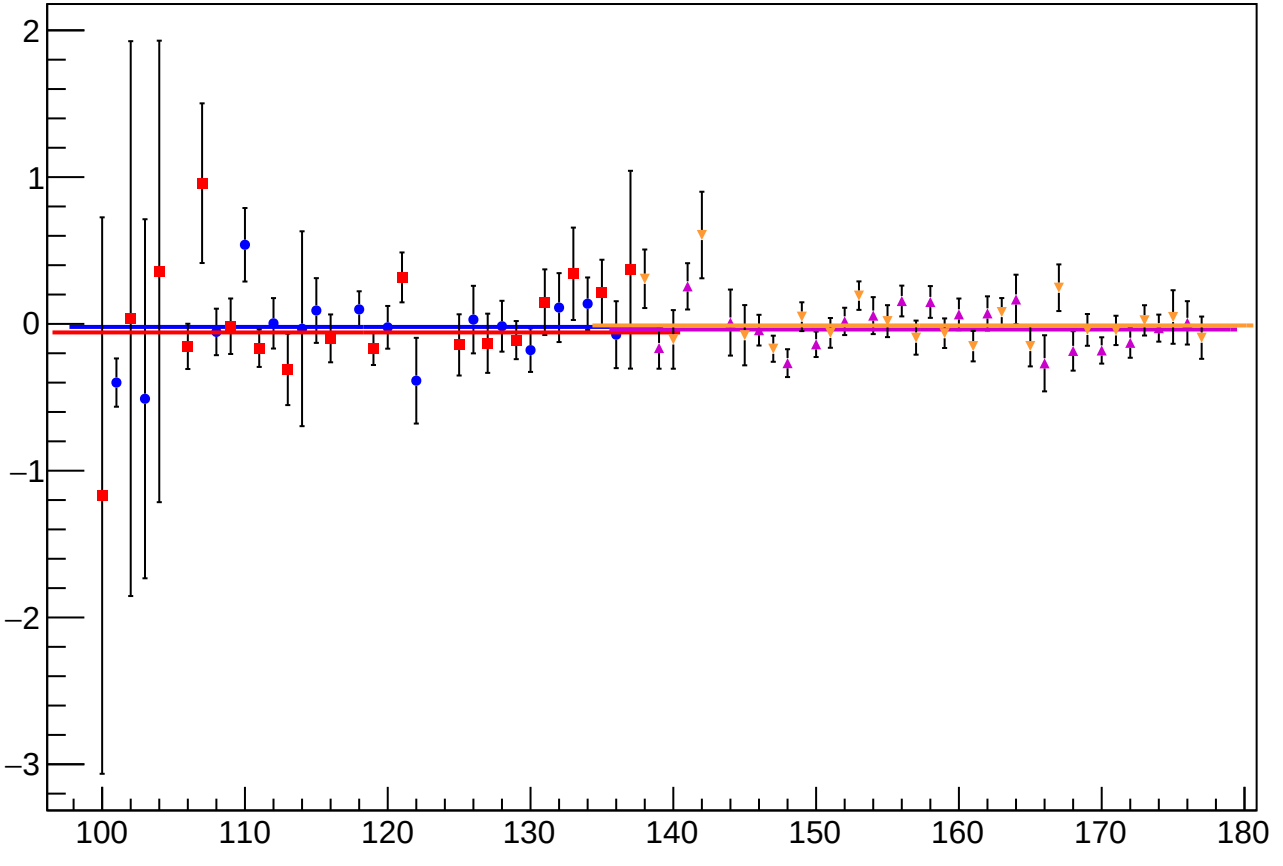
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 98.908+/-0.016 χ^2/NDF:3405241.9/34

Out: 98.239+/-0.016 χ^2/NDF:4563007.0/37

All: 98.575+/-0.011 χ^2/NDF: 7969097.8/72

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: -0.011+/-0.026 χ^2/NDF:23.4/19

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.038+/-0.026 χ^2/NDF:28.2/18

Left: -0.025+/-0.019 χ^2/NDF: 52.1/38

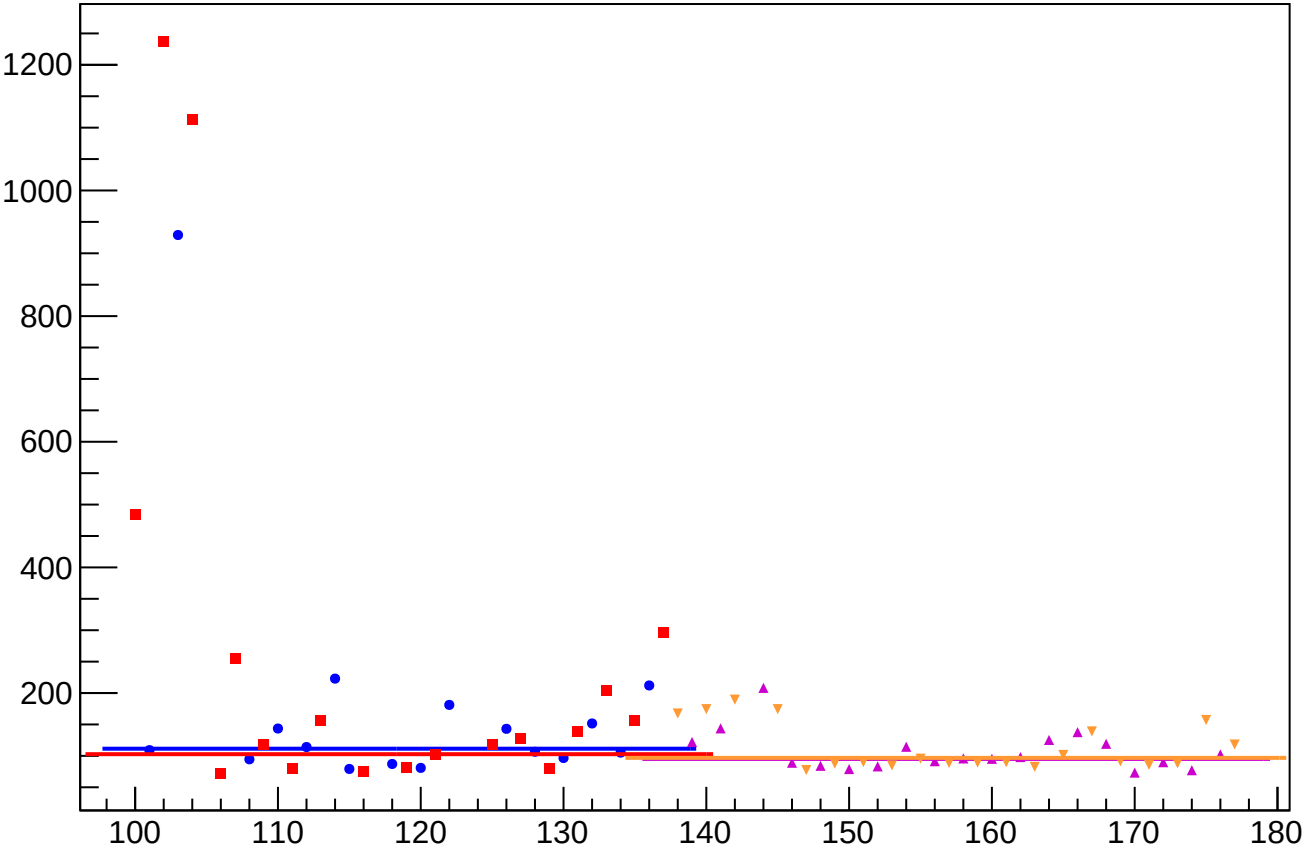
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.034+/-0.023 χ^2/NDF:43.9/34

Out: -0.022+/-0.023 χ^2/NDF:41.0/37

All: -0.028+/-0.016 χ^2/NDF: 85.1/72

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 96.797+/-0.019 χ^2/NDF:1711975.9/19

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 95.142+/-0.018 χ^2/NDF:1386671.2/18

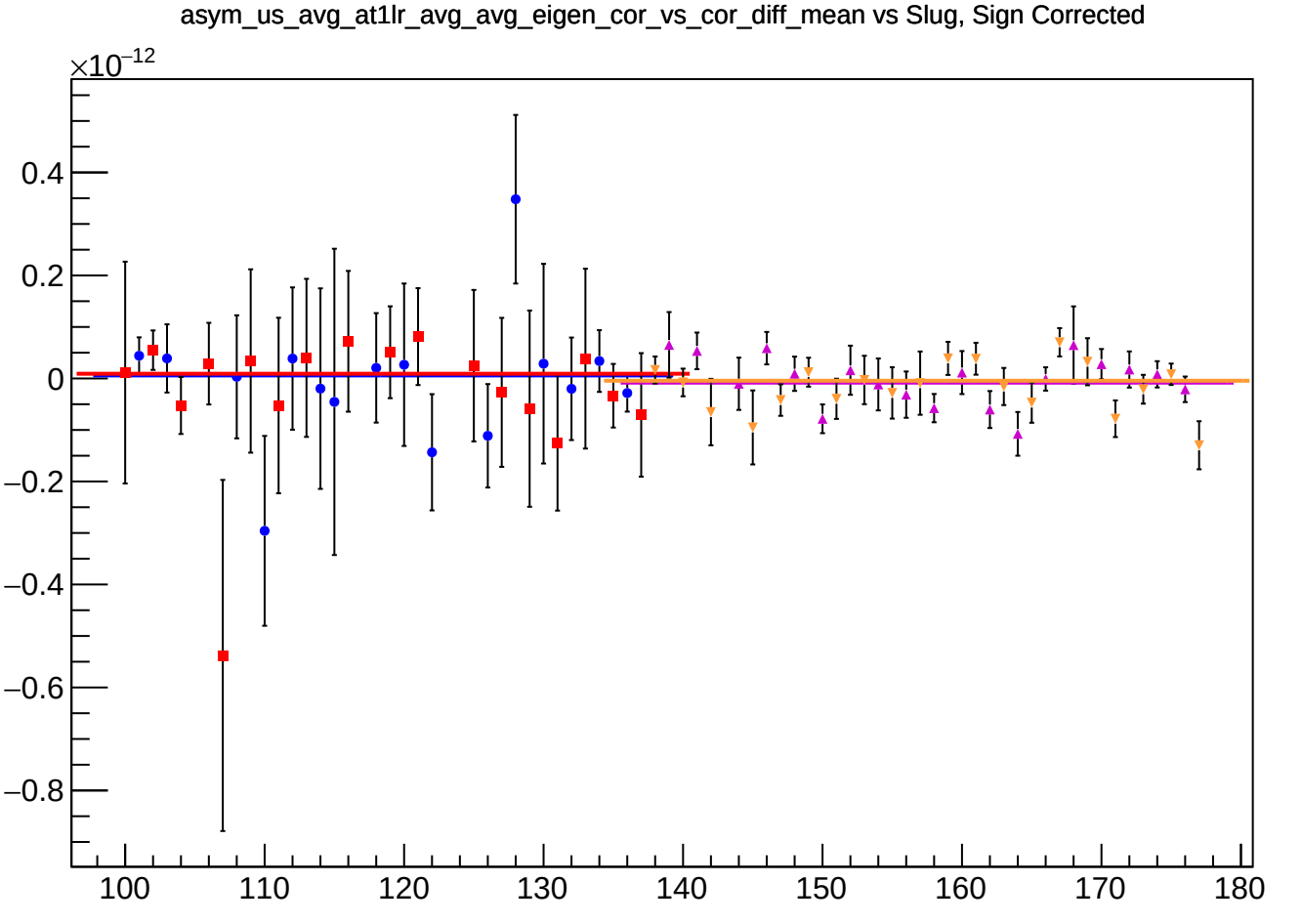
Left: 95.959+/-0.013 χ^2/NDF: 3102603.8/38

Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 98.908+/-0.016 χ^2/NDF:3405241.9/34

Out: 98.239+/-0.016 χ^2/NDF:4563007.0/37

All: 98.575+/-0.011 χ^2/NDF: 7969097.8/72



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 8.7/17

Left In: -0.000+/-0.000 χ^2/NDF:30.8/18

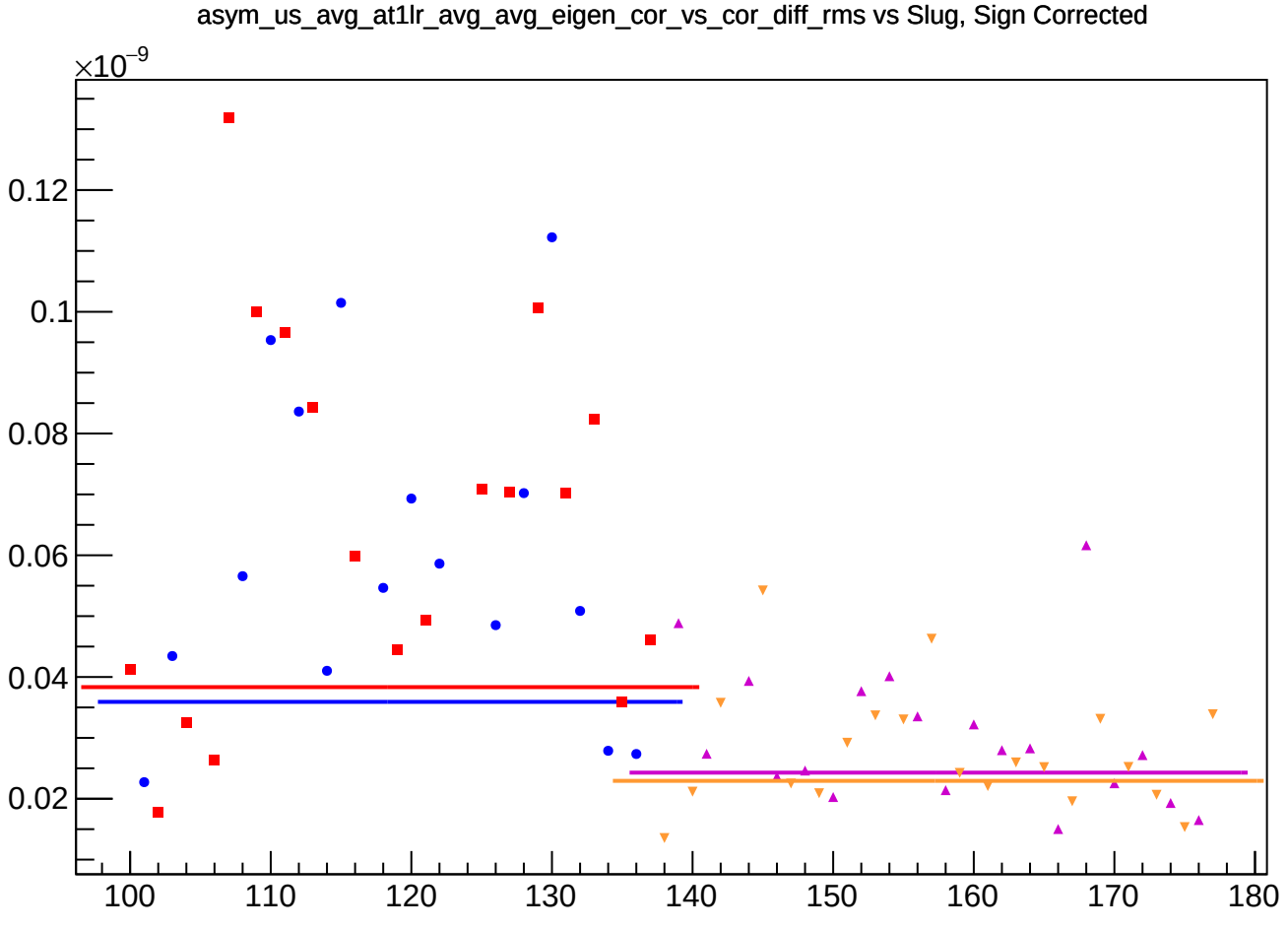
Left: -0.000+/-0.000 χ^2/NDF: 62.2/38

Right: 0.000+/-0.000 χ^2/NDF: 21.6/33

In: -0.000+/-0.000 χ^2/NDF:44.1/34

Out: -0.000+/-0.000 χ^2/NDF:40.3/37

All: -0.000+/-0.000 χ^2/NDF: 84.6/72



Right In: 0.000+/-0.000 χ^2/NDF: 1759038.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1816095.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2202319.8/17

Left In: 0.000+/-0.000 χ^2/NDF:2225826.4/18

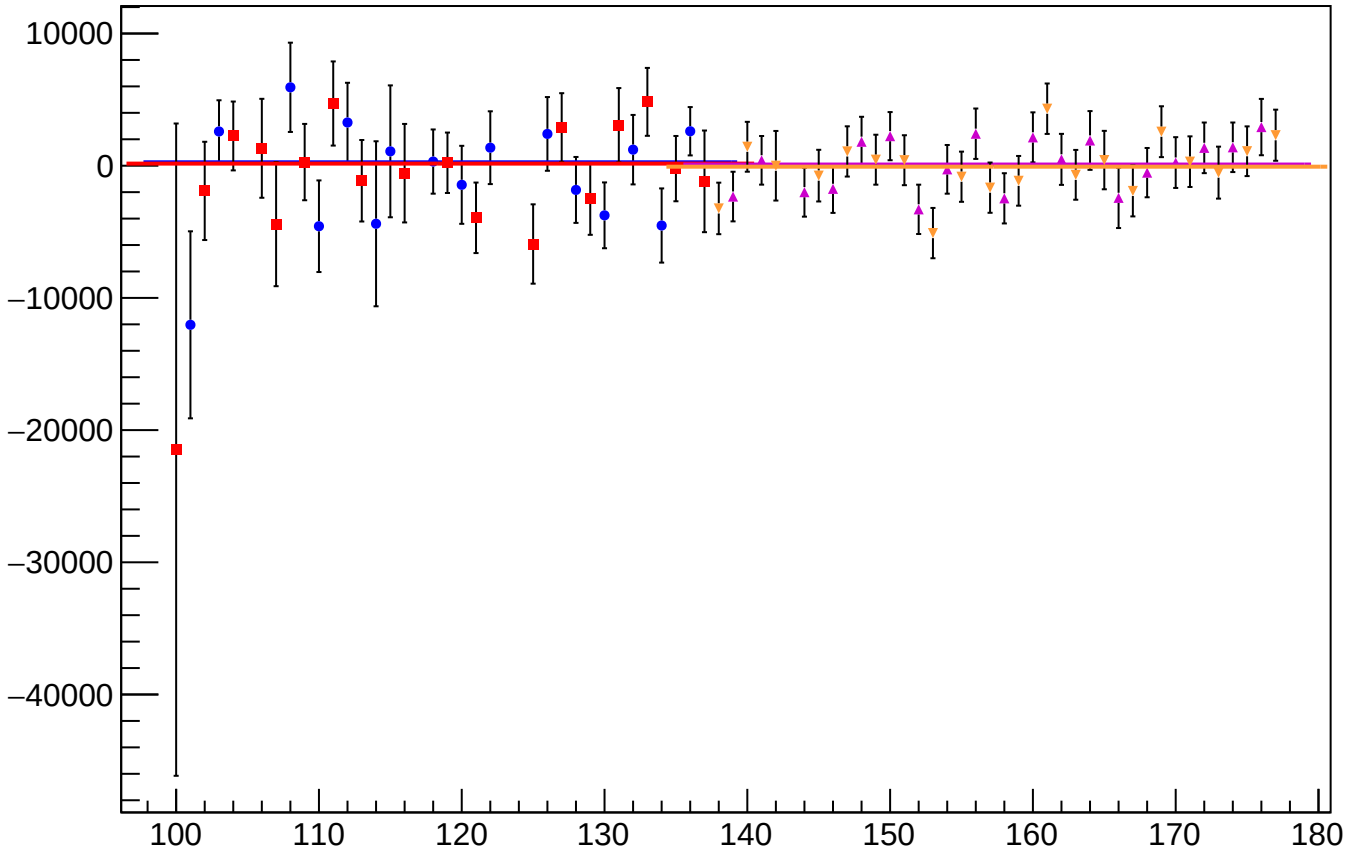
Left: 0.000+/-0.000 χ^2/NDF: 4072769.2/38

Right: 0.000+/-0.000 χ^2/NDF: 3975413.5/33

In: 0.000+/-0.000 χ^2/NDF:4615349.8/34

Out: 0.000+/-0.000 χ^2/NDF:4922916.1/37

All: 0.000+/-0.000 χ^2/NDF: 9571974.9/72



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -73.603+/-435.020 χ^2/NDF:22.3/19

Right Out: 159.330+/-712.314 χ^2/NDF: 18.1/17

Left In: 88.754+/-439.876 χ^2/NDF:18.8/18

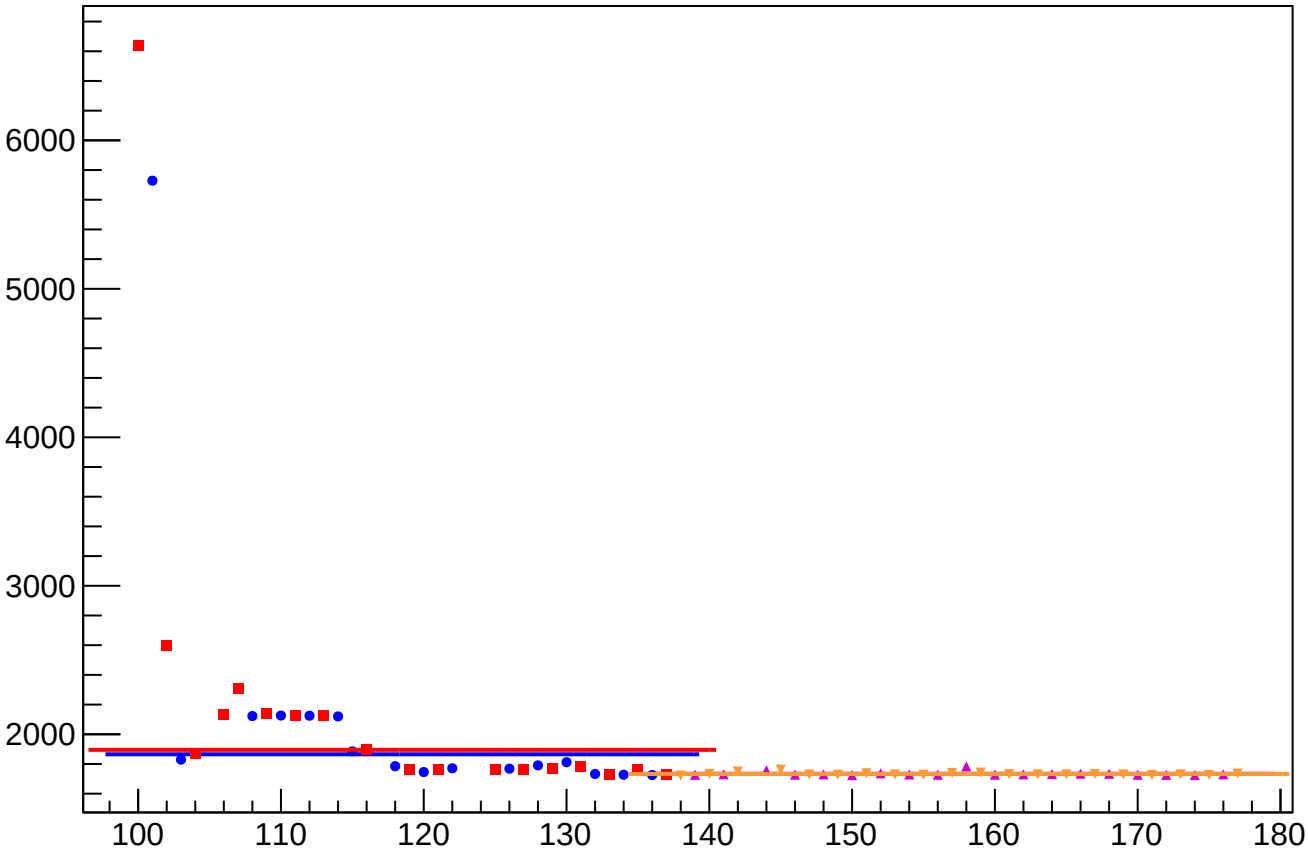
Left: 6.674+/-309.308 χ^2/NDF: 41.1/38

Right: 209.600+/-502.755 χ^2/NDF: 37.5/33

In: 136.143+/-373.884 χ^2/NDF:38.2/34

Out: -10.326+/-371.260 χ^2/NDF:40.5/37

All: 62.393+/-263.443 χ^2/NDF: 78.8/72



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1732.804+/-0.308 χ^2/NDF:776.9/19

Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1734.103+/-0.311 χ^2/NDF:2013.6/18

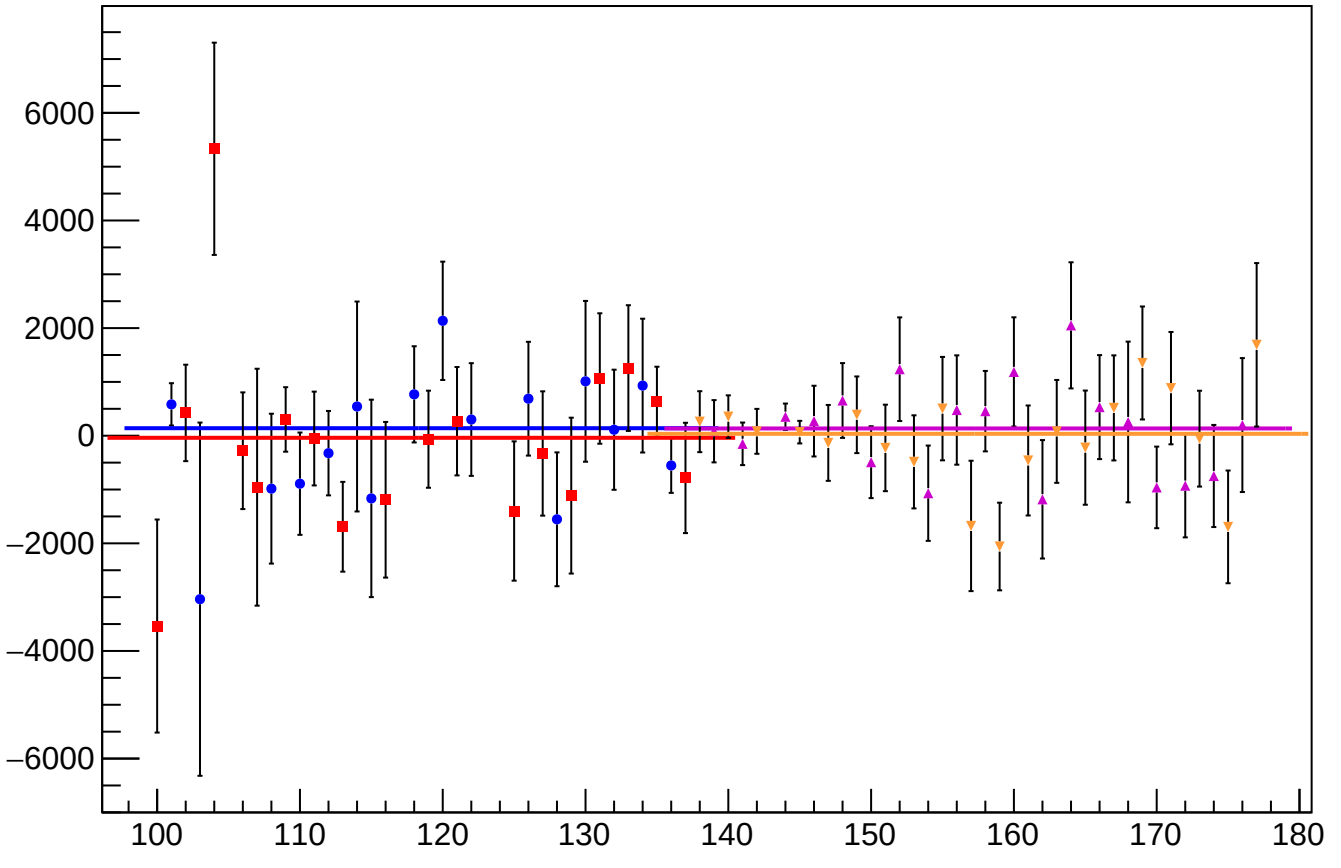
Left: 1733.446+/-0.219 χ^2/NDF: 2799.3/38

Right: 1880.155+/-0.356 χ^2/NDF: 925321.0/33

In: 1770.479+/-0.264 χ^2/NDF:724019.8/34

Out: 1776.933+/-0.263 χ^2/NDF:327343.7/37

All: 1773.729+/-0.186 χ^2/NDF: 1051663.6/72



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 35.502+/-133.039 χ^2/NDF:17.2/19

Right Out: -38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: 134.984+/-146.796 χ^2/NDF:15.8/18

Left: 80.364+/-98.578 χ^2/NDF: 33.2/38

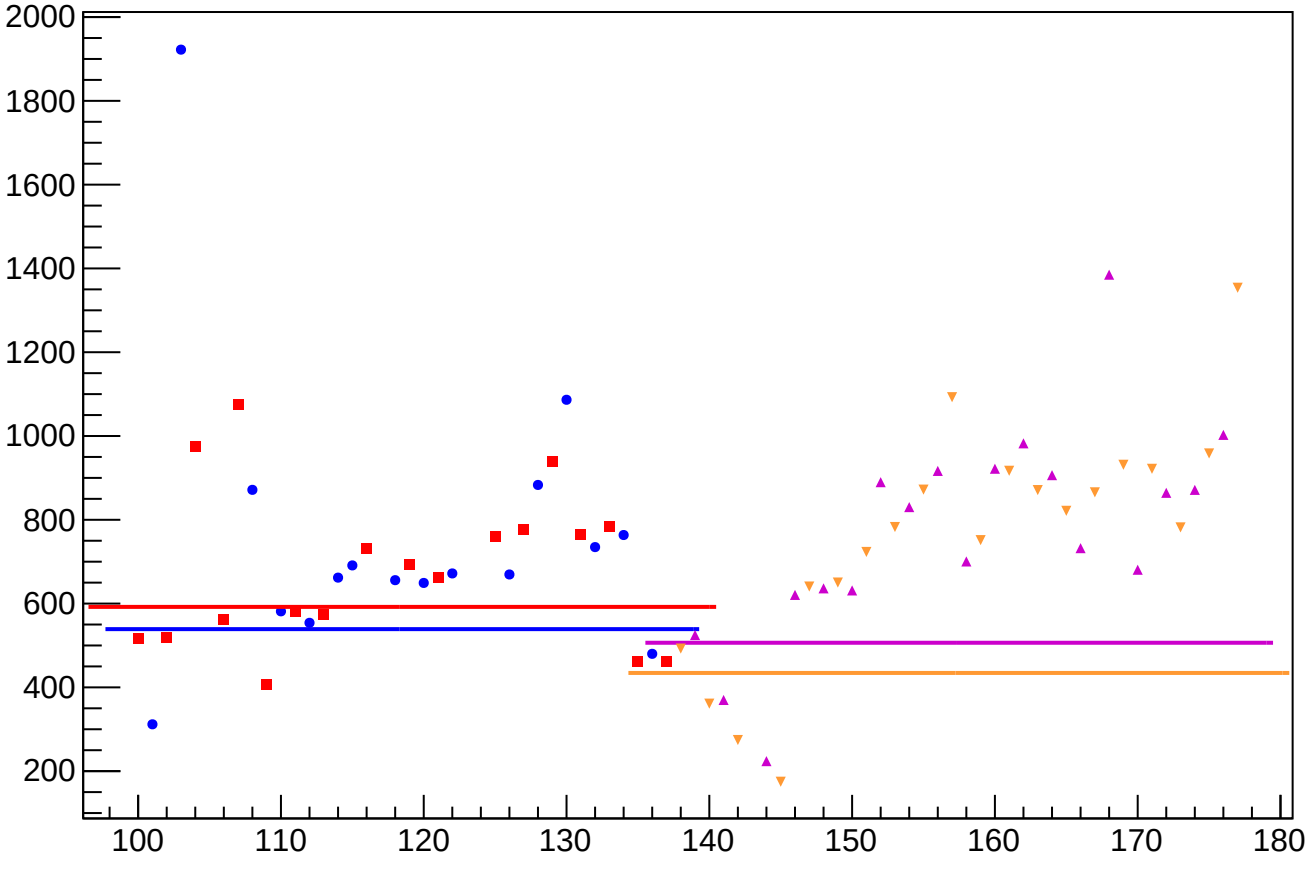
Right: 57.640+/-161.672 χ^2/NDF: 35.2/33

In: 136.466+/-122.126 χ^2/NDF:29.2/34

Out: 17.882+/-116.157 χ^2/NDF:38.6/37

All: 74.205+/-84.166 χ^2/NDF: 68.4/72

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: 434.433+/-0.094 χ^2/NDF:9630123.7/19

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

Left In: 506.487+/-0.104 χ^2/NDF:6886290.1/18

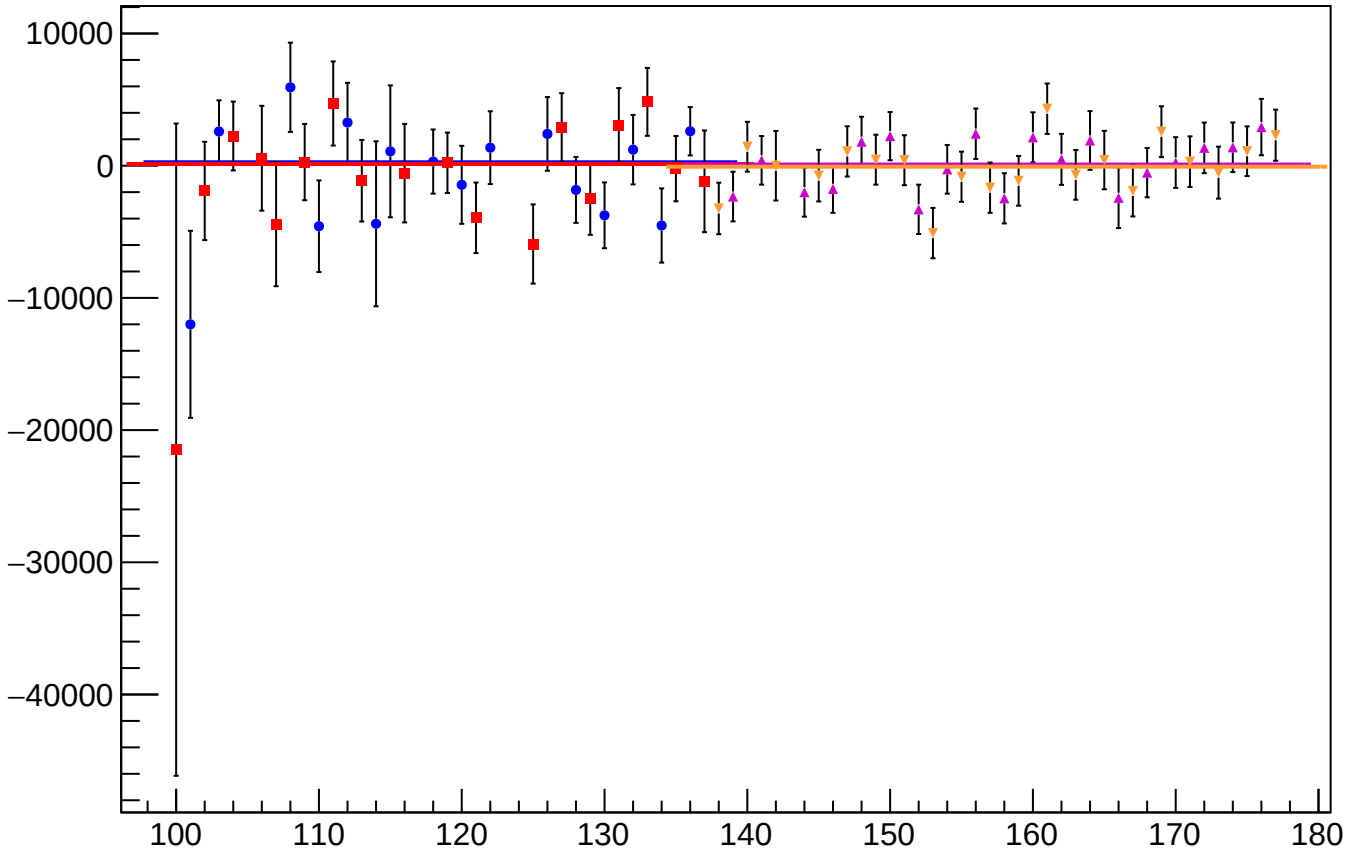
Left: 466.926+/-0.070 χ^2/NDF: 16780969.4/38

Right: 563.459+/-0.114 χ^2/NDF: 2751212.3/33

In: 516.502+/-0.086 χ^2/NDF:8771102.5/34

Out: 471.909+/-0.082 χ^2/NDF:11140870.5/37

All: 493.089+/-0.060 χ^2/NDF: 20051972.7/72



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -73.563+/-435.020 χ^2/NDF:22.3/19

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: 88.708+/-439.876 χ^2/NDF:18.8/18

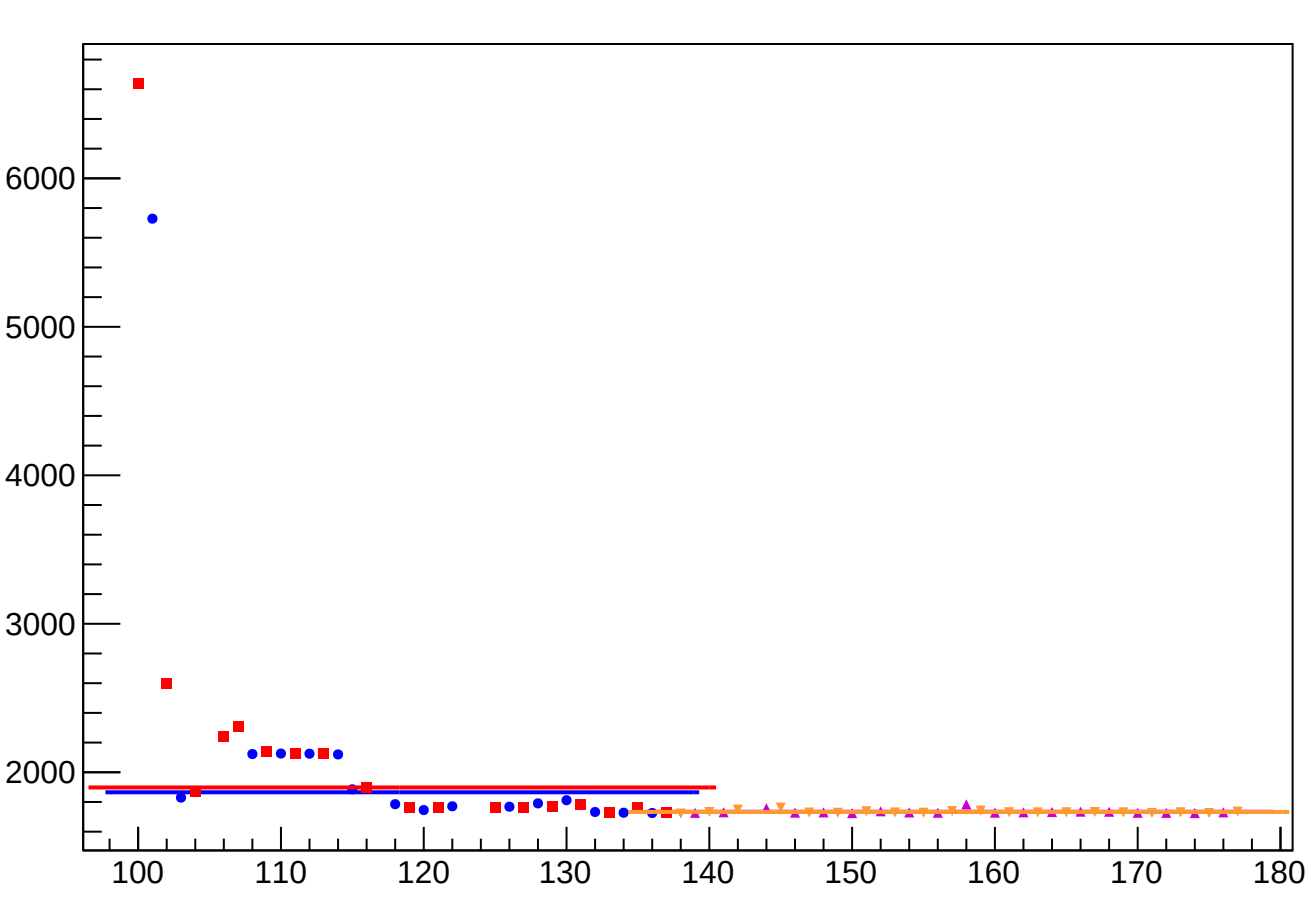
Left: 6.672+/-309.308 χ^2/NDF: 41.1/38

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: 136.162+/-373.884 χ^2/NDF:38.2/34

Out: -18.410+/-371.460 χ^2/NDF:40.3/37

All: 58.373+/-263.515 χ^2/NDF: 78.7/72



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1732.804+/-0.308 χ^2/NDF:776.9/19

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1734.103+/-0.311 χ^2/NDF:2013.6/18

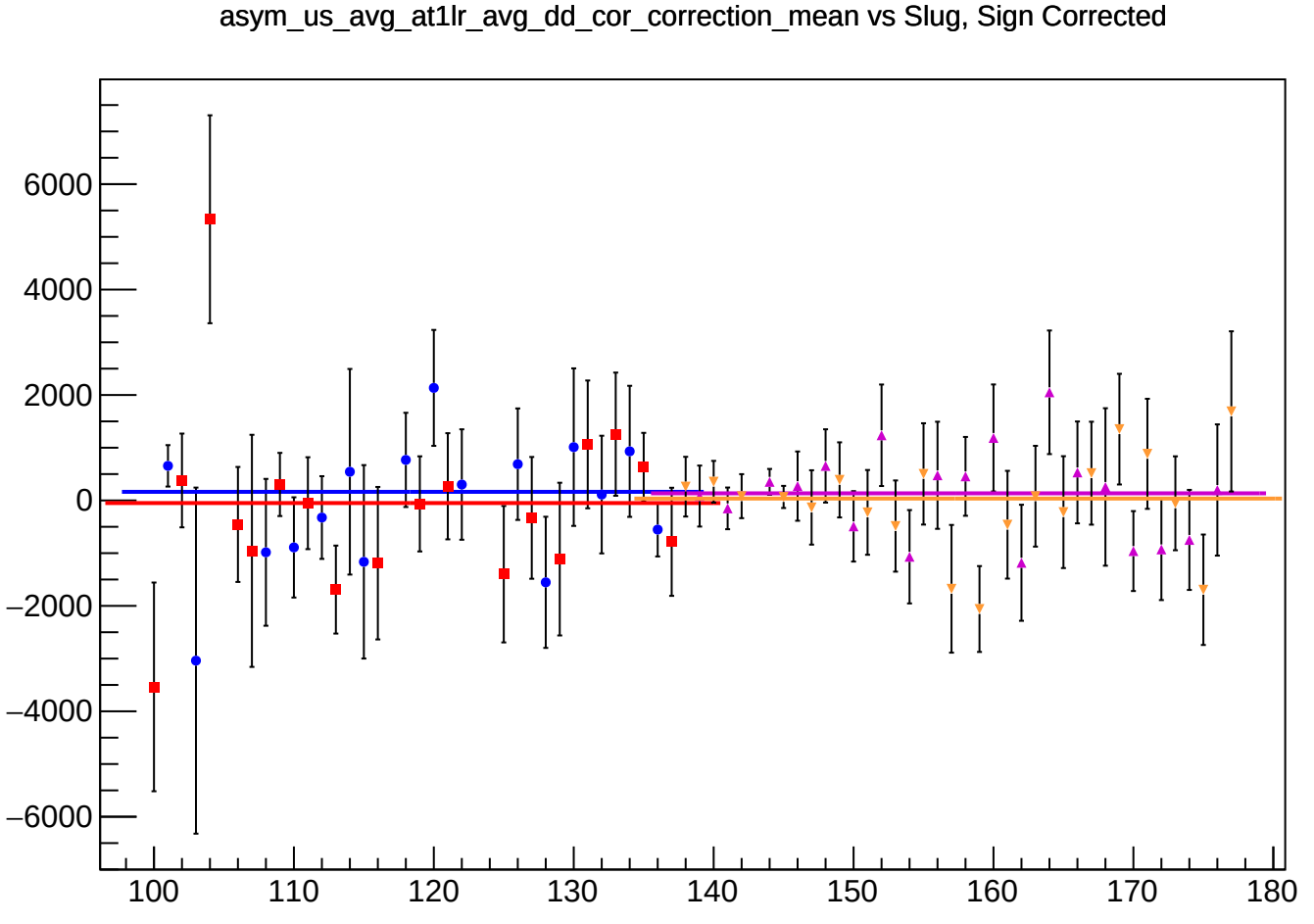
Left: 1733.446+/-0.219 χ^2/NDF: 2799.3/38

Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1770.479+/-0.264 χ^2/NDF:724019.6/34

Out: 1777.470+/-0.263 χ^2/NDF:336350.5/37

All: 1773.997+/-0.186 χ^2/NDF: 1060722.0/72



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 35.384+/-133.041 χ^2/NDF:17.2/19

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 134.962+/-146.797 χ^2/NDF:15.8/18

Left: 80.290+/-98.579 χ^2/NDF: 33.2/38

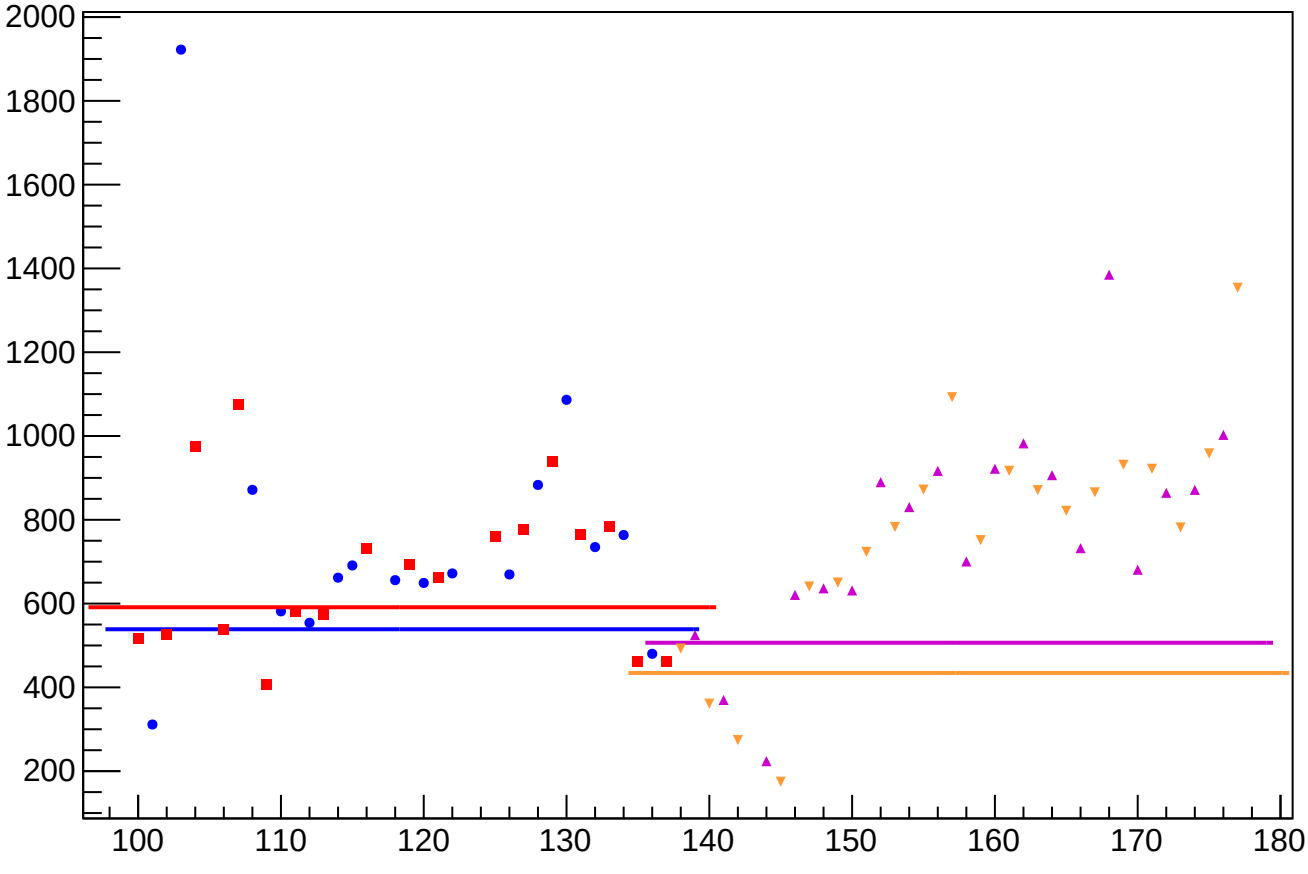
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 143.644+/-122.113 χ^2/NDF:29.7/34

Out: 15.172+/-116.151 χ^2/NDF:38.7/37

All: 76.196+/-84.160 χ^2/NDF: 69.0/72

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: 434.443+/-0.094 χ^2/NDF:9629767.1/19

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 506.495+/-0.104 χ^2/NDF:6885837.7/18

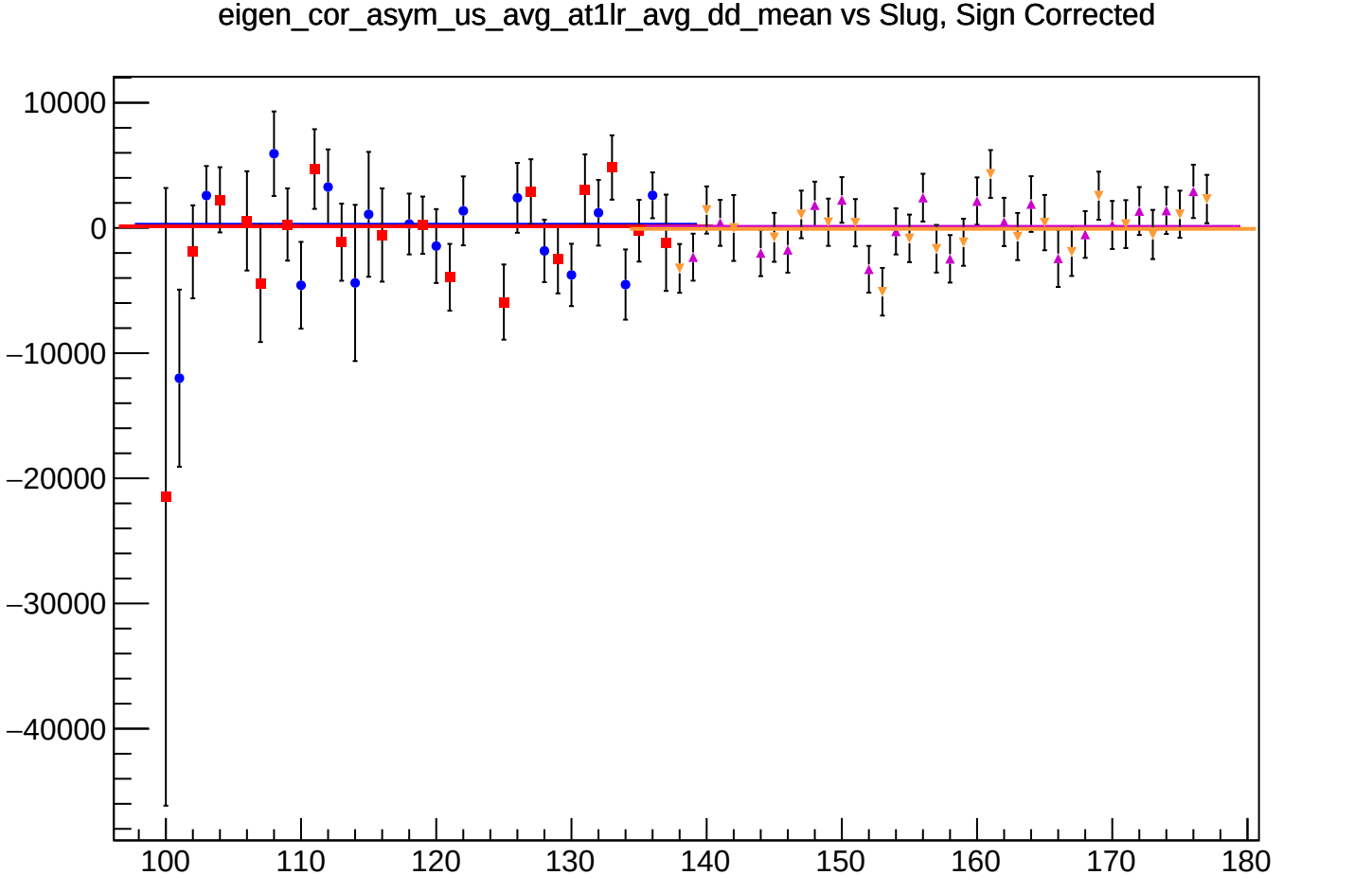
Left: 466.936+/-0.070 χ^2/NDF: 16780140.3/38

Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 516.416+/-0.086 χ^2/NDF:8774387.5/34

Out: 471.727+/-0.082 χ^2/NDF:11134871.4/37

All: 492.954+/-0.060 χ^2/NDF: 20049886.6/72



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -73.563+/-435.020 χ^2/NDF:22.3/19

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: 88.708+/-439.876 χ^2/NDF:18.8/18

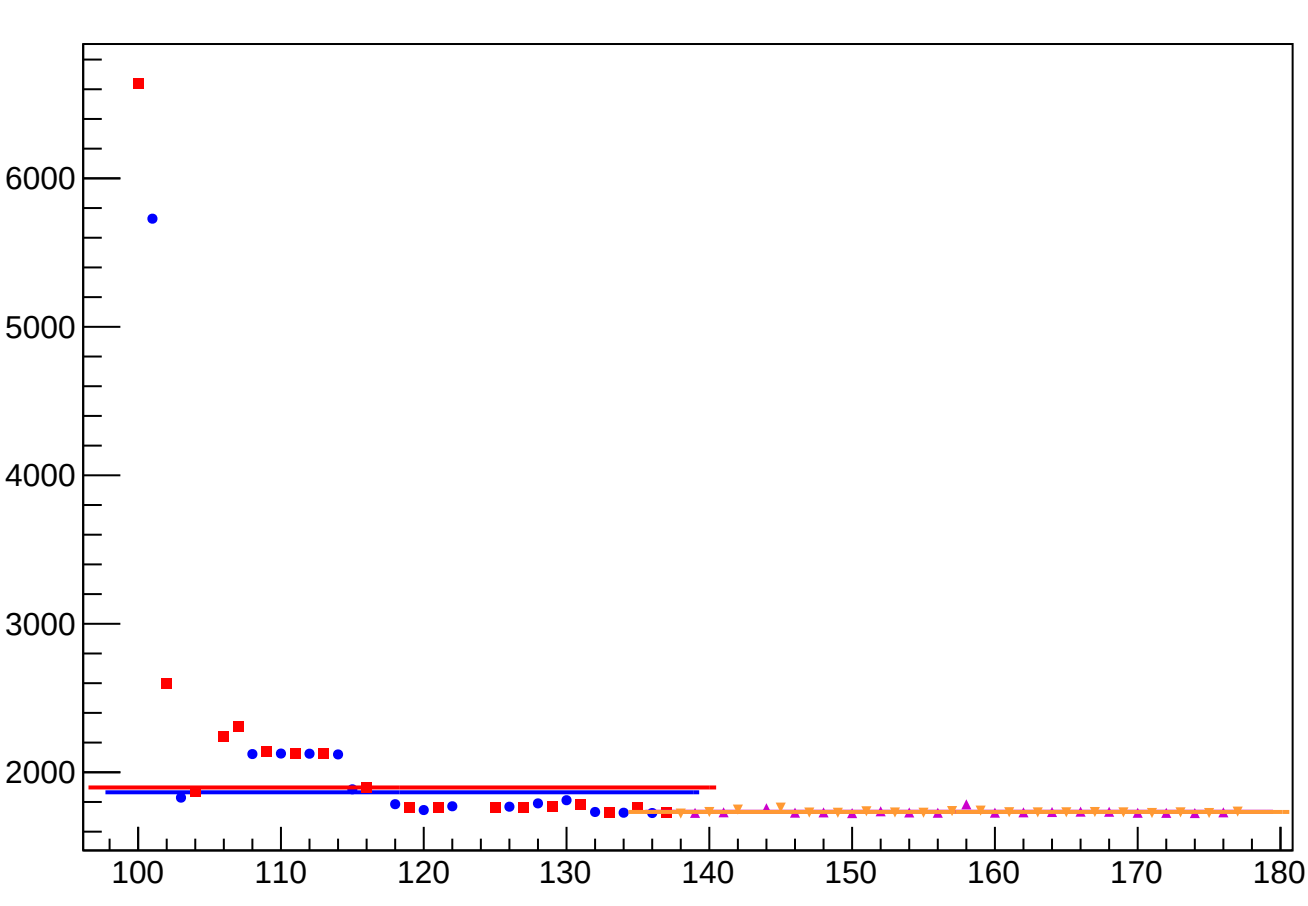
Left: 6.672+/-309.308 χ^2/NDF: 41.1/38

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: 136.162+/-373.884 χ^2/NDF:38.2/34

Out: -18.410+/-371.460 χ^2/NDF:40.3/37

All: 58.373+/-263.515 χ^2/NDF: 78.7/72



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1732.804+/-0.308 χ^2/NDF:776.9/19

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1734.103+/-0.311 χ^2/NDF:2013.6/18

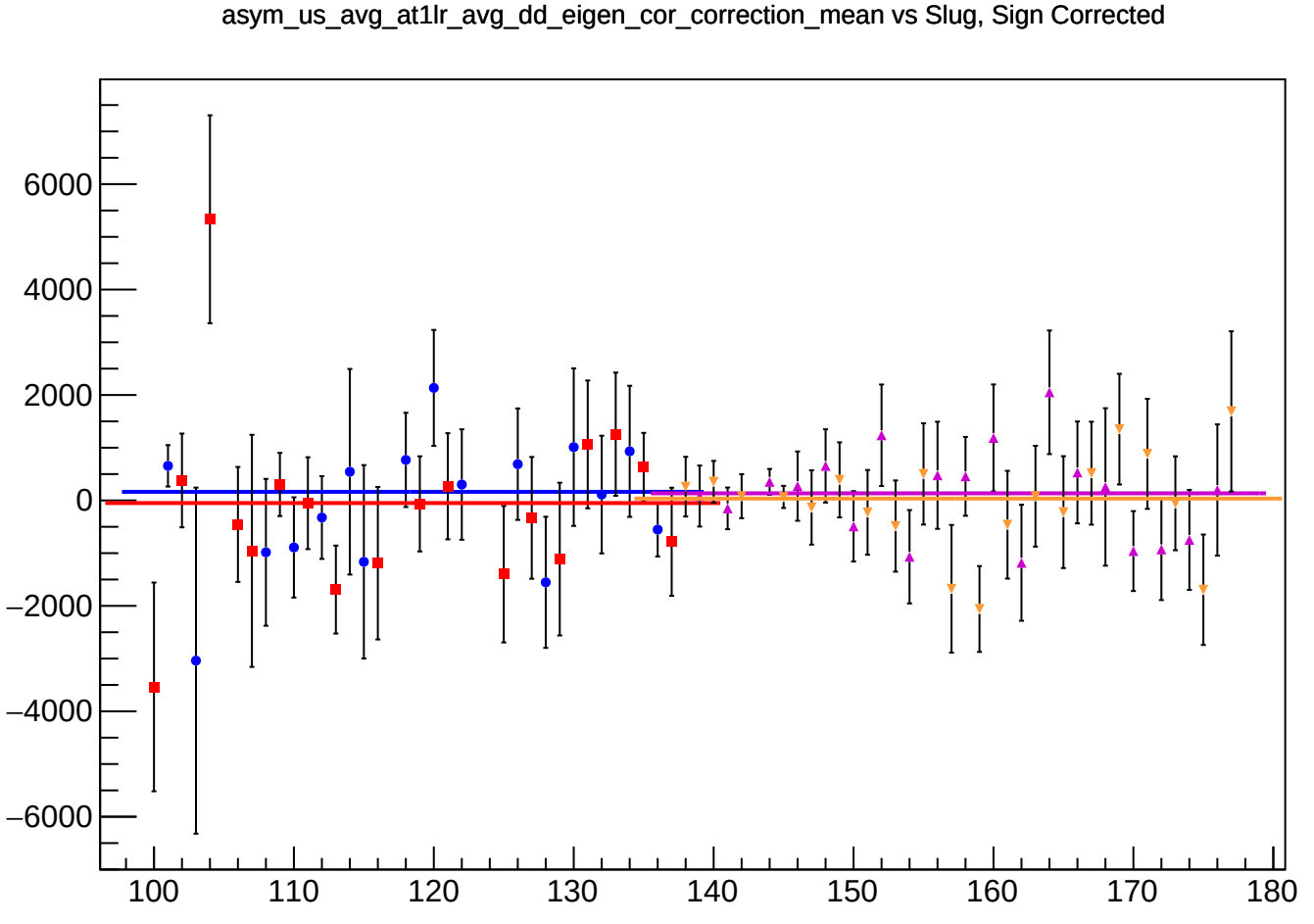
Left: 1733.446+/-0.219 χ^2/NDF: 2799.3/38

Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1770.479+/-0.264 χ^2/NDF:724019.6/34

Out: 1777.470+/-0.263 χ^2/NDF:336350.5/37

All: 1773.997+/-0.186 χ^2/NDF: 1060722.0/72



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 35.384+/-133.041 χ^2/NDF:17.2/19

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 134.962+/-146.797 χ^2/NDF:15.8/18

Left: 80.290+/-98.579 χ^2/NDF: 33.2/38

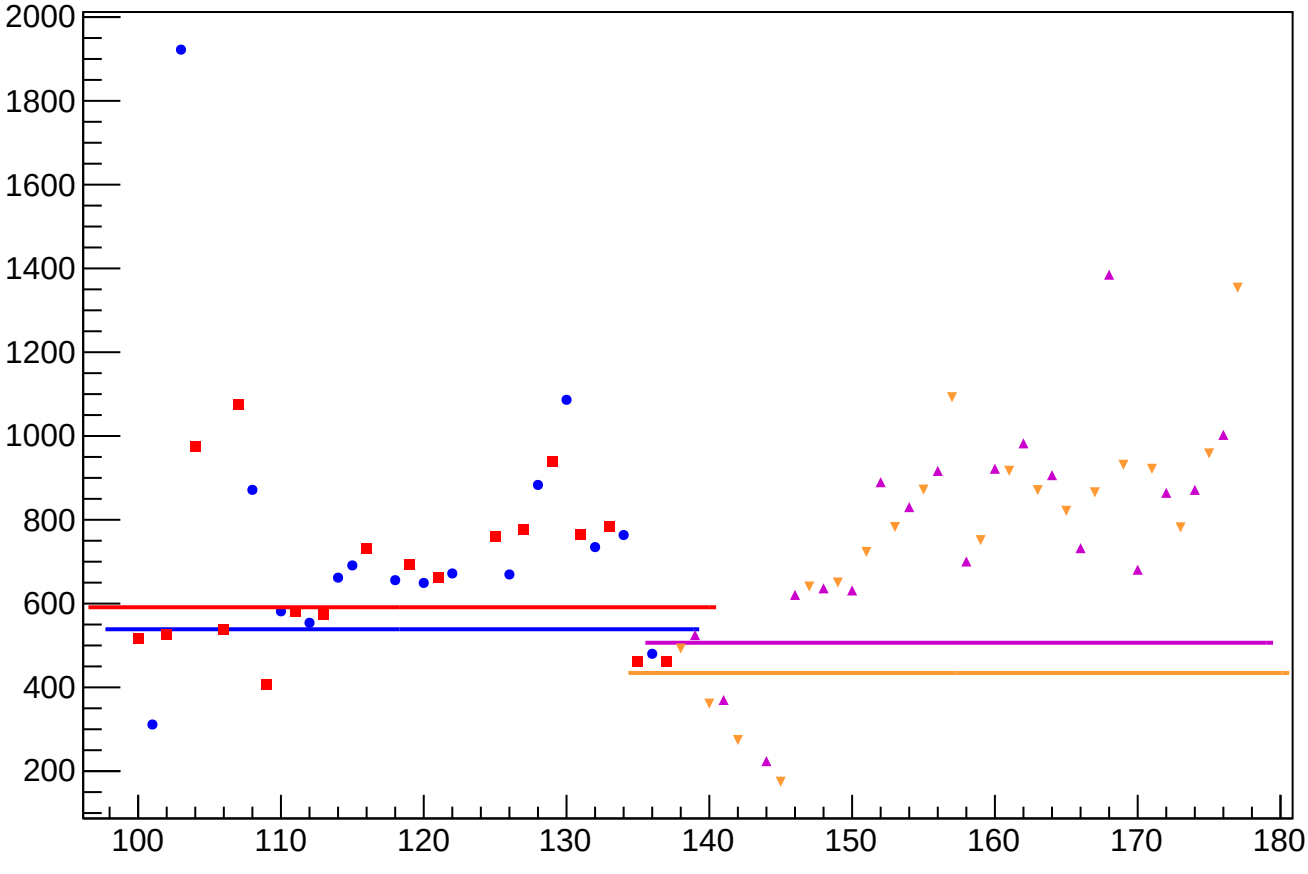
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 143.644+/-122.113 χ^2/NDF:29.7/34

Out: 15.172+/-116.151 χ^2/NDF:38.7/37

All: 76.196+/-84.160 χ^2/NDF: 69.0/72

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: 434.443+/-0.094 χ^2/NDF:9629767.1/19

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 506.495+/-0.104 χ^2/NDF:6885837.7/18

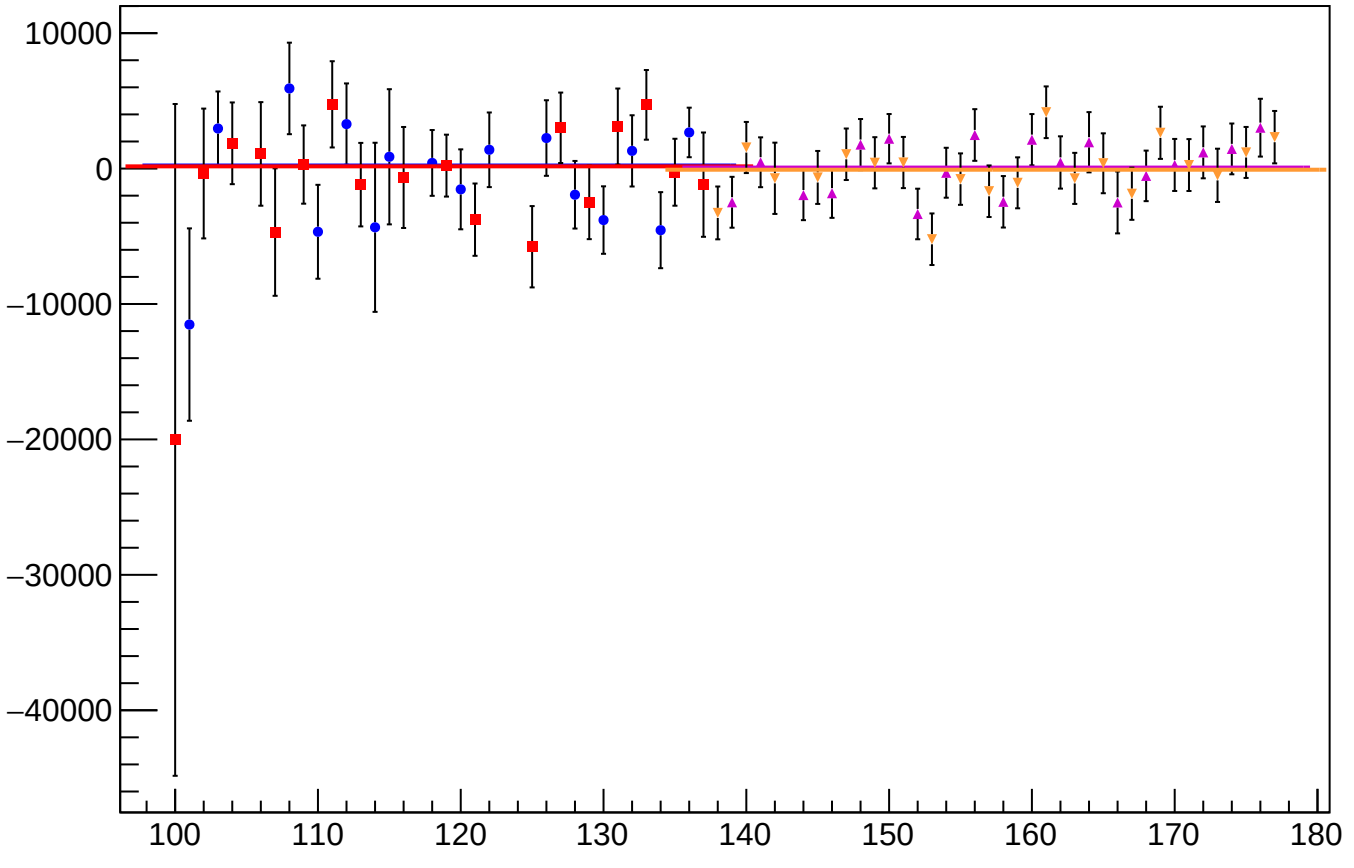
Left: 466.936+/-0.070 χ^2/NDF: 16780140.3/38

Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 516.416+/-0.086 χ^2/NDF:8774387.5/34

Out: 471.727+/-0.082 χ^2/NDF:11134871.4/37

All: 492.954+/-0.060 χ^2/NDF: 20049886.6/72



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -84.887+/-435.333 χ^2/NDF:22.5/19

Right Out: 163.711+/-725.798 χ^2/NDF: 17.0/17

Left In: 73.215+/-440.175 χ^2/NDF:19.2/18

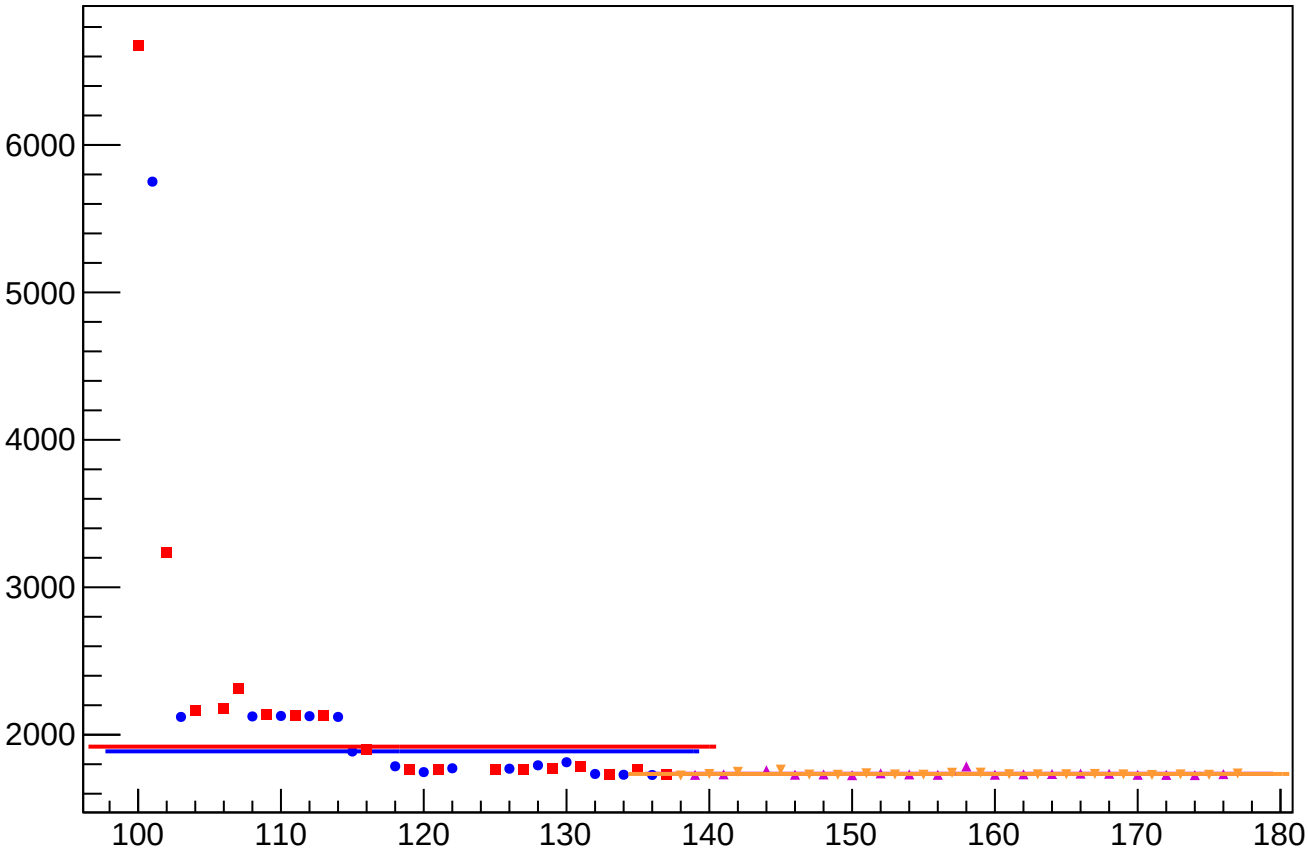
Left: -6.710+/-309.525 χ^2/NDF: 41.8/38

Right: 195.282+/-510.637 χ^2/NDF: 36.4/33

In: 114.967+/-375.348 χ^2/NDF:38.7/34

Out: -19.114+/-373.328 χ^2/NDF:39.6/37

All: 47.565+/-264.694 χ^2/NDF: 78.3/72



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1734.048+/-0.308 χ^2/NDF:778.0/19

Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1735.284+/-0.311 χ^2/NDF:2010.8/18

Left: 1734.659+/-0.219 χ^2/NDF: 2796.8/38

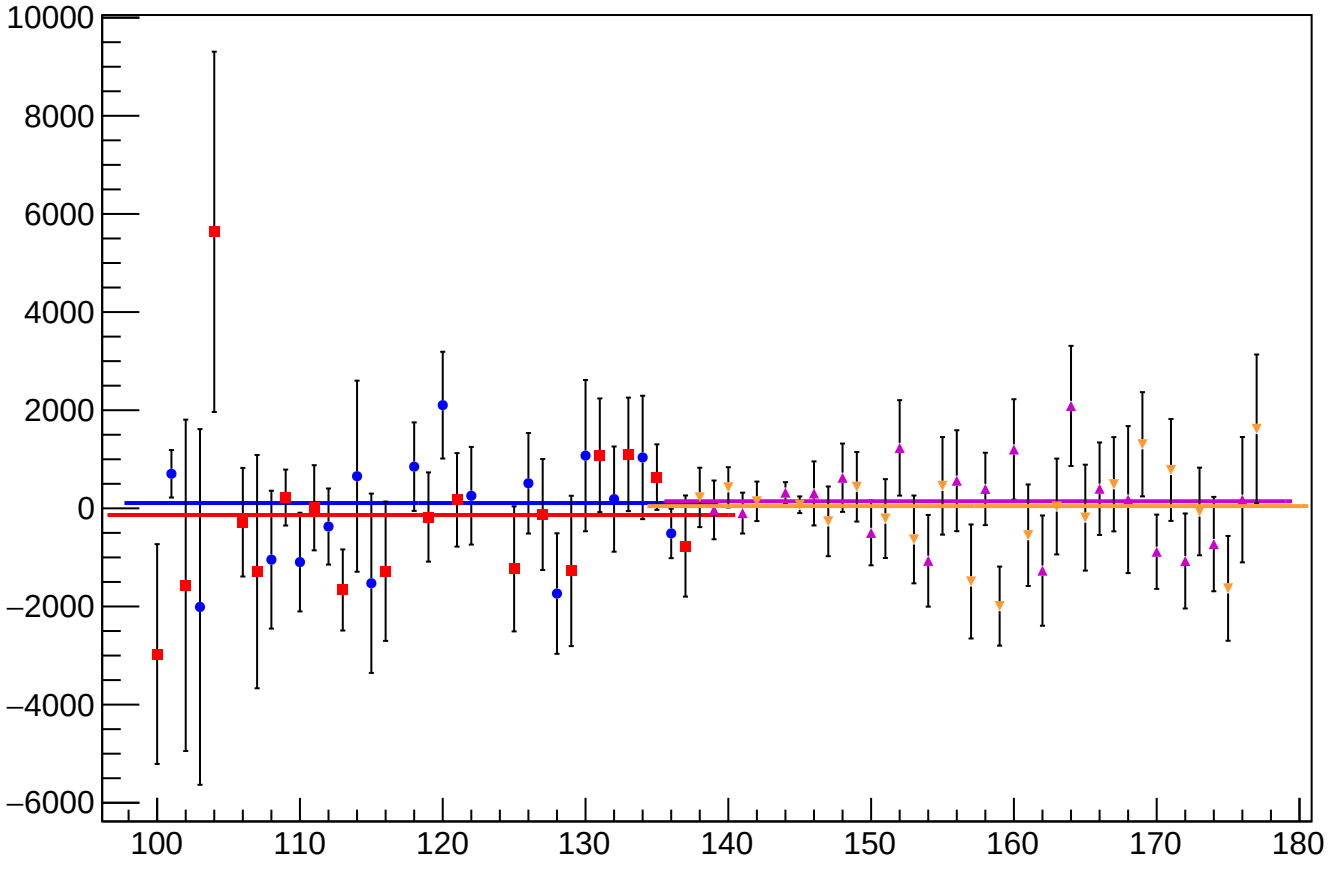
Right: 1903.077+/-0.361 χ^2/NDF: 1043955.3/33

In: 1776.766+/-0.265 χ^2/NDF:756550.5/34

Out: 1783.026+/-0.264 χ^2/NDF:449025.7/37

All: 1779.913+/-0.187 χ^2/NDF: 1205855.8/72

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: 45.258+/-121.555 χ^2/NDF:16.6/19

Right Out: -135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: 144.748+/-140.126 χ^2/NDF:15.3/18

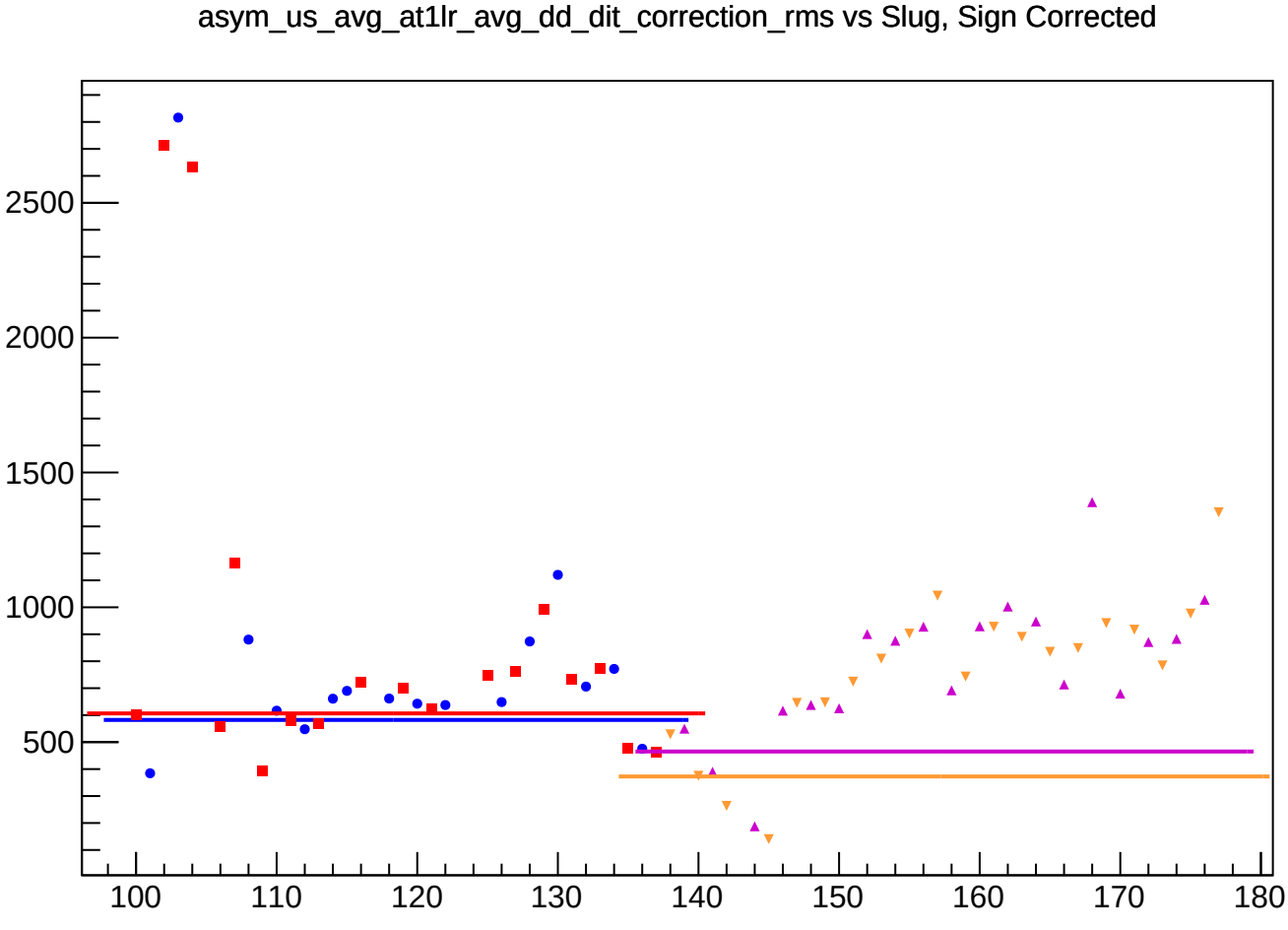
Left: 87.978+/-91.821 χ^2/NDF: 32.2/38

Right: -6.369+/-168.648 χ^2/NDF: 29.0/33

In: 134.943+/-119.906 χ^2/NDF:29.5/34

Out: 9.798+/-108.971 χ^2/NDF:31.4/37

All: 66.405+/-80.643 χ^2/NDF: 61.5/72



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 372.565+/-0.086 χ^2/NDF:12139408.8/19

Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 465.208+/-0.099 χ^2/NDF:8610498.9/18

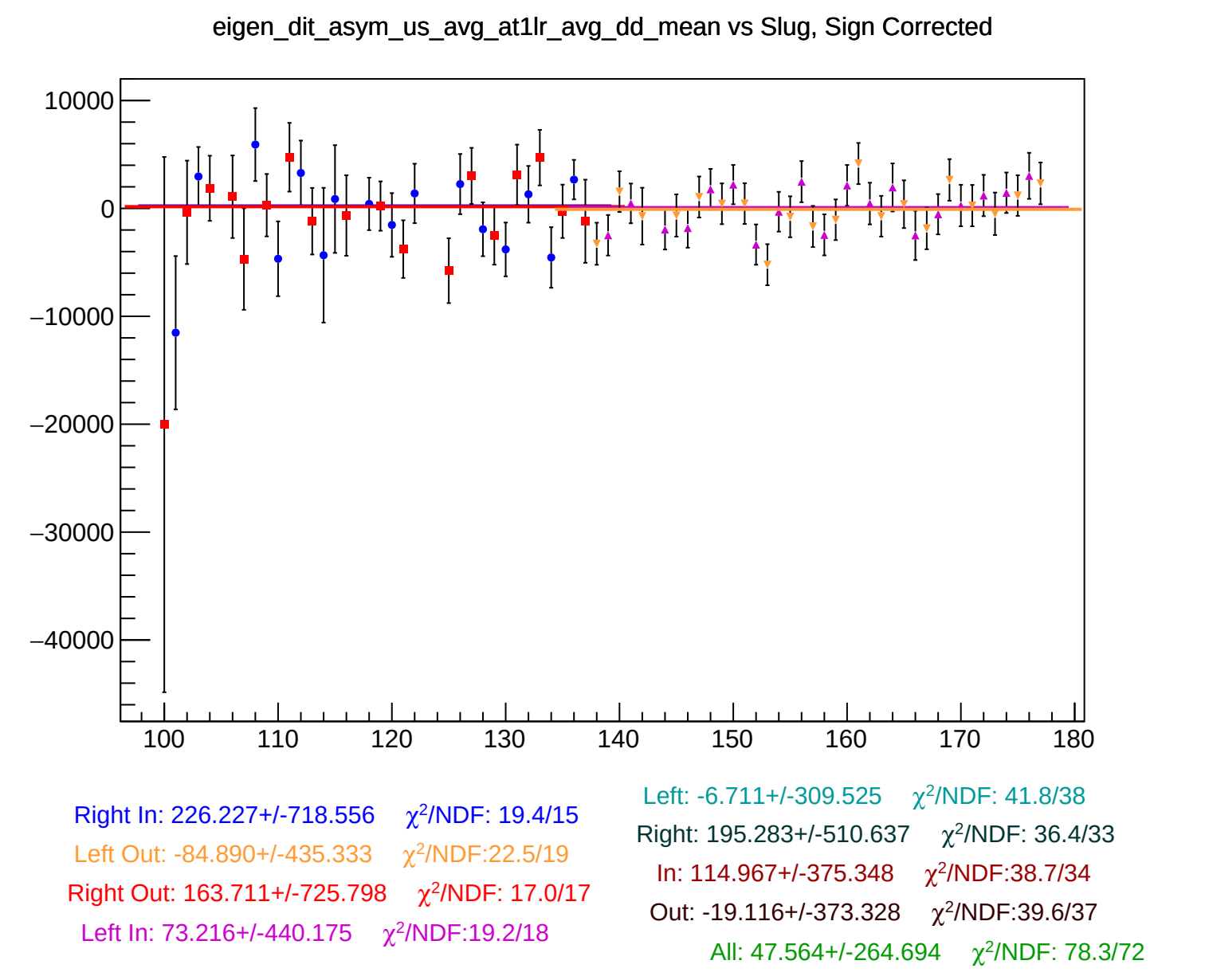
Left: 412.344+/-0.065 χ^2/NDF: 21248747.3/38

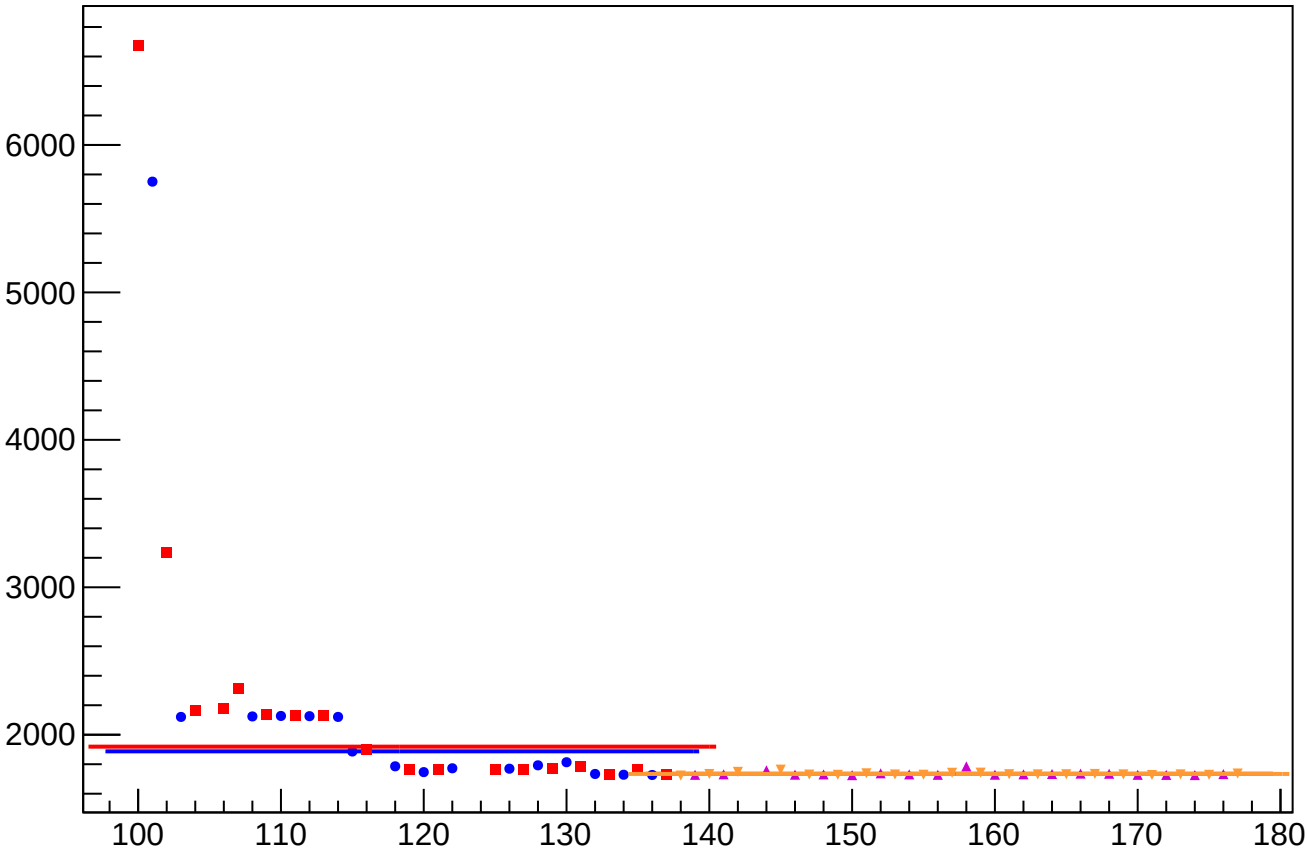
Right: 593.641+/-0.119 χ^2/NDF: 3962943.2/33

In: 496.555+/-0.085 χ^2/NDF:10738574.0/34

Out: 418.484+/-0.077 χ^2/NDF:15791530.8/37

All: 453.798+/-0.057 χ^2/NDF: 26994467.6/72


eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
Right In: 226.227+/-718.556 χ²/NDF: 19.4/15
Left Out: -84.890+/-435.333 χ²/NDF:22.5/19
Right Out: 163.711+/-725.798 χ²/NDF: 17.0/17
Left In: 73.216+/-440.175 χ²/NDF:19.2/18
Left: -6.711+/-309.525 χ²/NDF: 41.8/38
Right: 195.283+/-510.637 χ²/NDF: 36.4/33
In: 114.967+/-375.348 χ²/NDF:38.7/34
Out: -19.116+/-373.328 χ²/NDF:39.6/37
All: 47.564+/-264.694 χ²/NDF: 78.3/72



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.4/15

Left Out: 1734.048+/-0.308 χ^2/NDF:778.0/19

Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1735.284+/-0.311 χ^2/NDF:2010.8/18

Left: 1734.659+/-0.219 χ^2/NDF: 2796.7/38

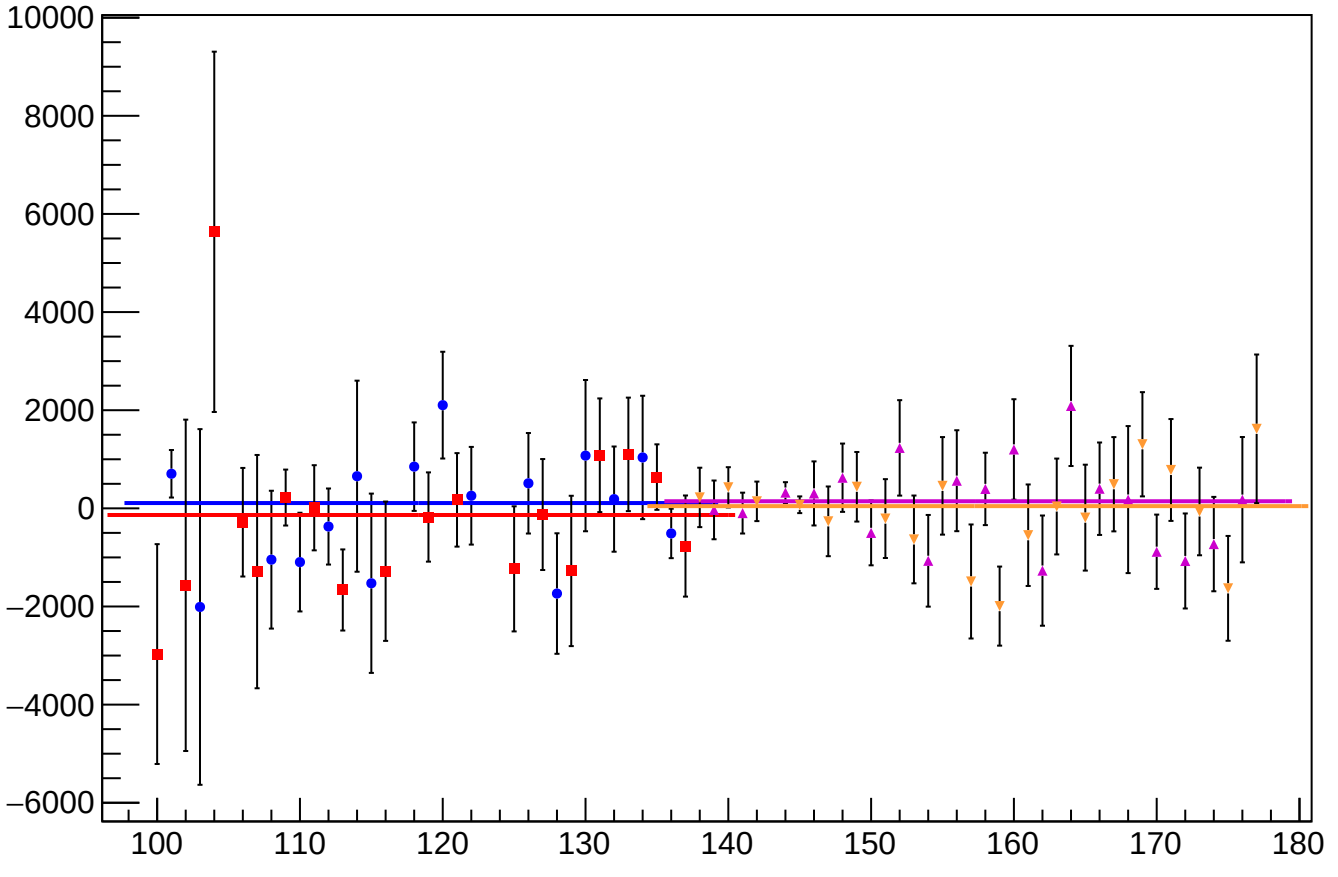
Right: 1903.077+/-0.361 χ^2/NDF: 1043954.3/33

In: 1776.766+/-0.265 χ^2/NDF:756550.2/34

Out: 1783.026+/-0.264 χ^2/NDF:449024.8/37

All: 1779.913+/-0.187 χ^2/NDF: 1205854.6/72

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 45.257+/-121.555 χ^2/NDF:16.6/19

Right Out: -135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: 144.749+/-140.127 χ^2/NDF:15.3/18

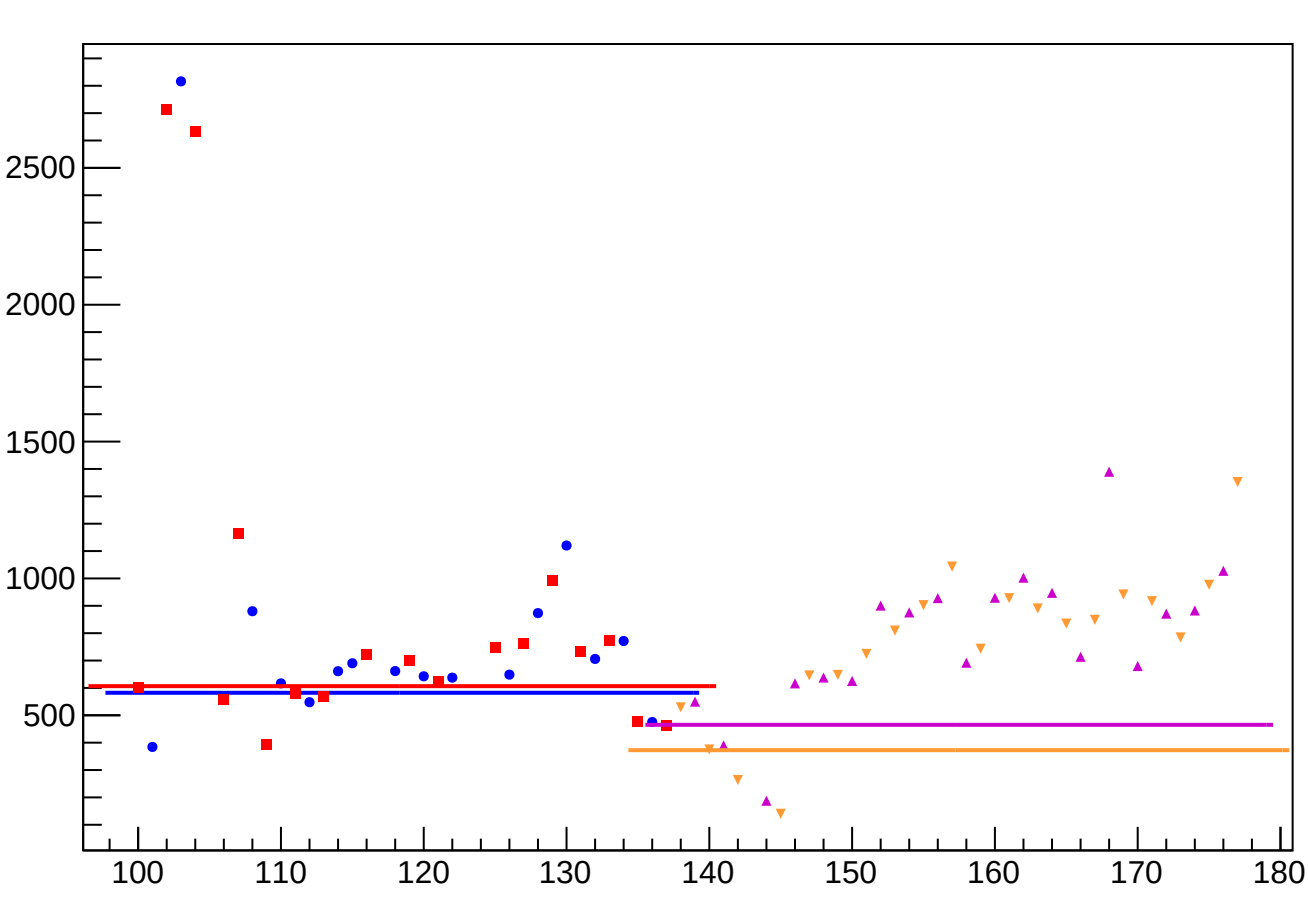
Left: 87.977+/-91.821 χ^2/NDF: 32.2/38

Right: -6.371+/-168.647 χ^2/NDF: 29.0/33

In: 134.942+/-119.906 χ^2/NDF:29.5/34

Out: 9.797+/-108.971 χ^2/NDF:31.4/37

All: 66.404+/-80.643 χ^2/NDF: 61.5/72



Right In: 582.268+/-0.164 χ^2/NDF: 1754289.3/15

Left Out: 372.565+/-0.086 χ^2/NDF:12139448.1/19

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

Left In: 465.209+/-0.099 χ^2/NDF:8610521.2/18

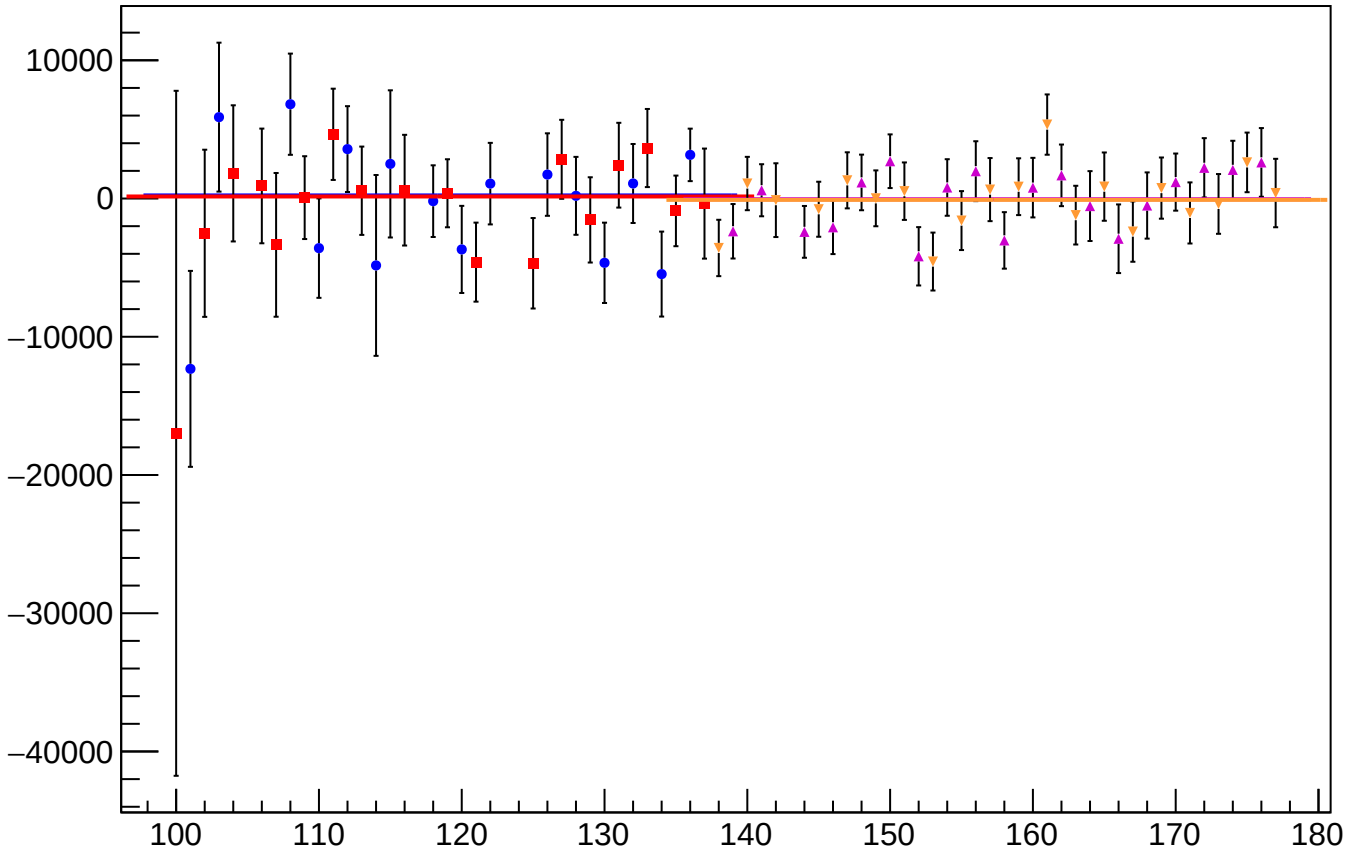
Left: 412.345+/-0.065 χ^2/NDF: 21248814.1/38

Right: 593.638+/-0.119 χ^2/NDF: 3962944.4/33

In: 496.556+/-0.085 χ^2/NDF:10738570.5/34

Out: 418.483+/-0.077 χ^2/NDF:15791551.0/37

All: 453.798+/-0.057 χ^2/NDF: 26994489.9/72



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -97.031+/-481.946 χ^2/NDF:19.1/19

Right Out: 147.974+/-794.180 χ^2/NDF: 11.6/17

Left In: -50.619+/-484.060 χ^2/NDF:19.4/18

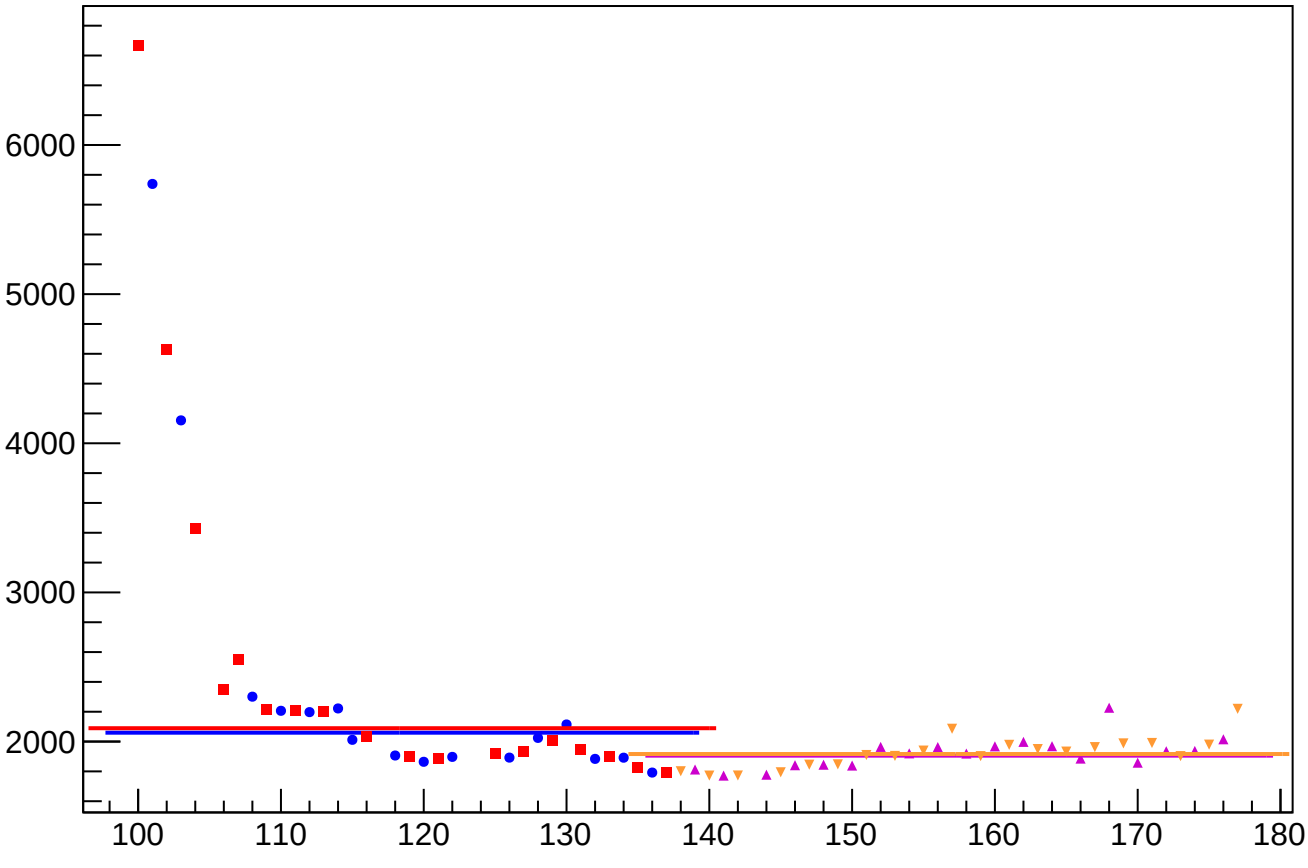
Left: -73.927+/-341.532 χ^2/NDF: 38.4/38

Right: 186.369+/-560.683 χ^2/NDF: 32.7/33

In: 24.252+/-412.980 χ^2/NDF:40.6/34

Out: -31.089+/-412.015 χ^2/NDF:30.7/37

All: -3.483+/-291.679 χ^2/NDF: 71.3/72



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1916.408+/-0.341 χ^2/NDF:86456.3/19

Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1905.534+/-0.342 χ^2/NDF:81600.9/18

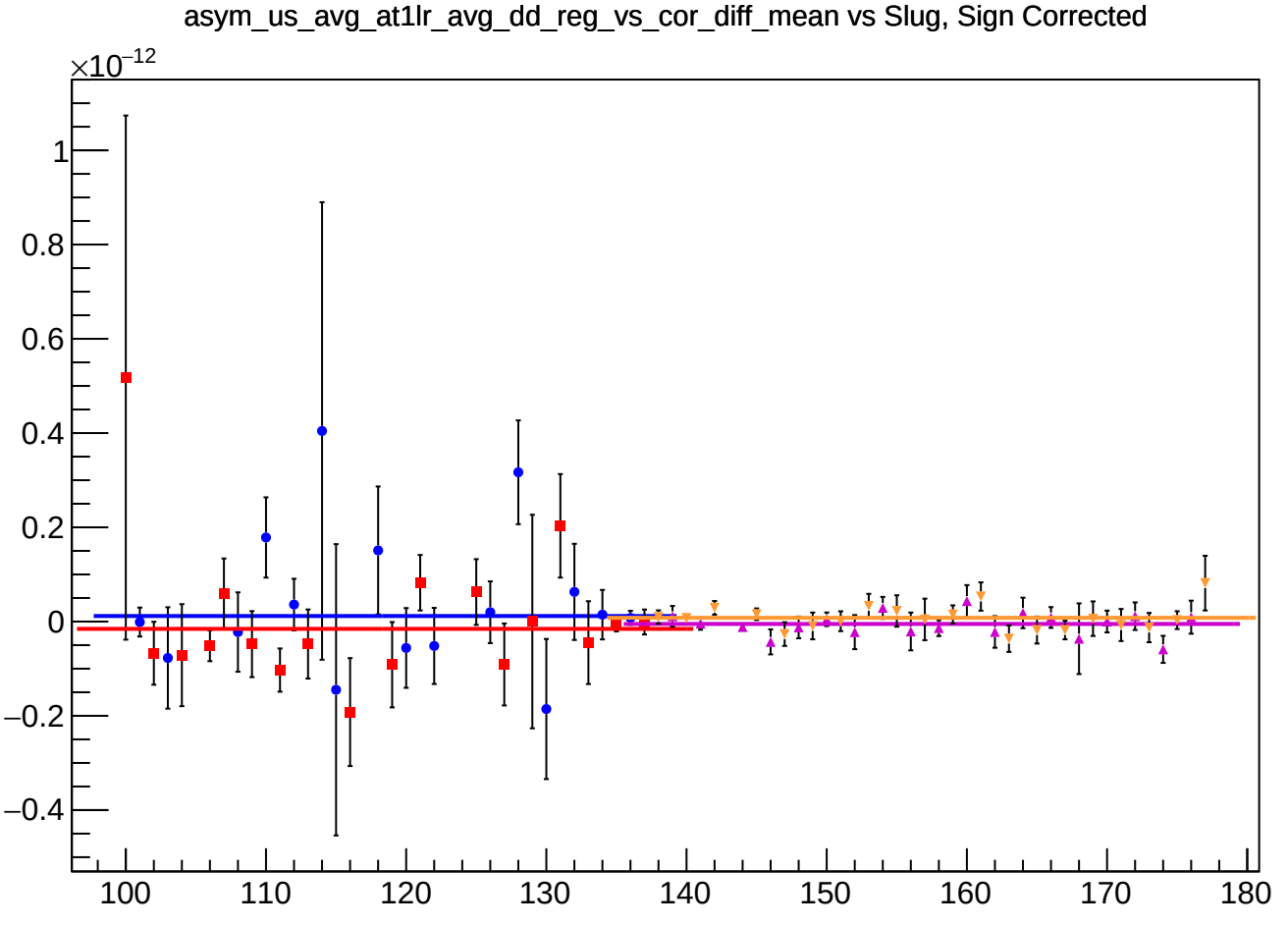
Left: 1910.995+/-0.241 χ^2/NDF: 168564.0/38

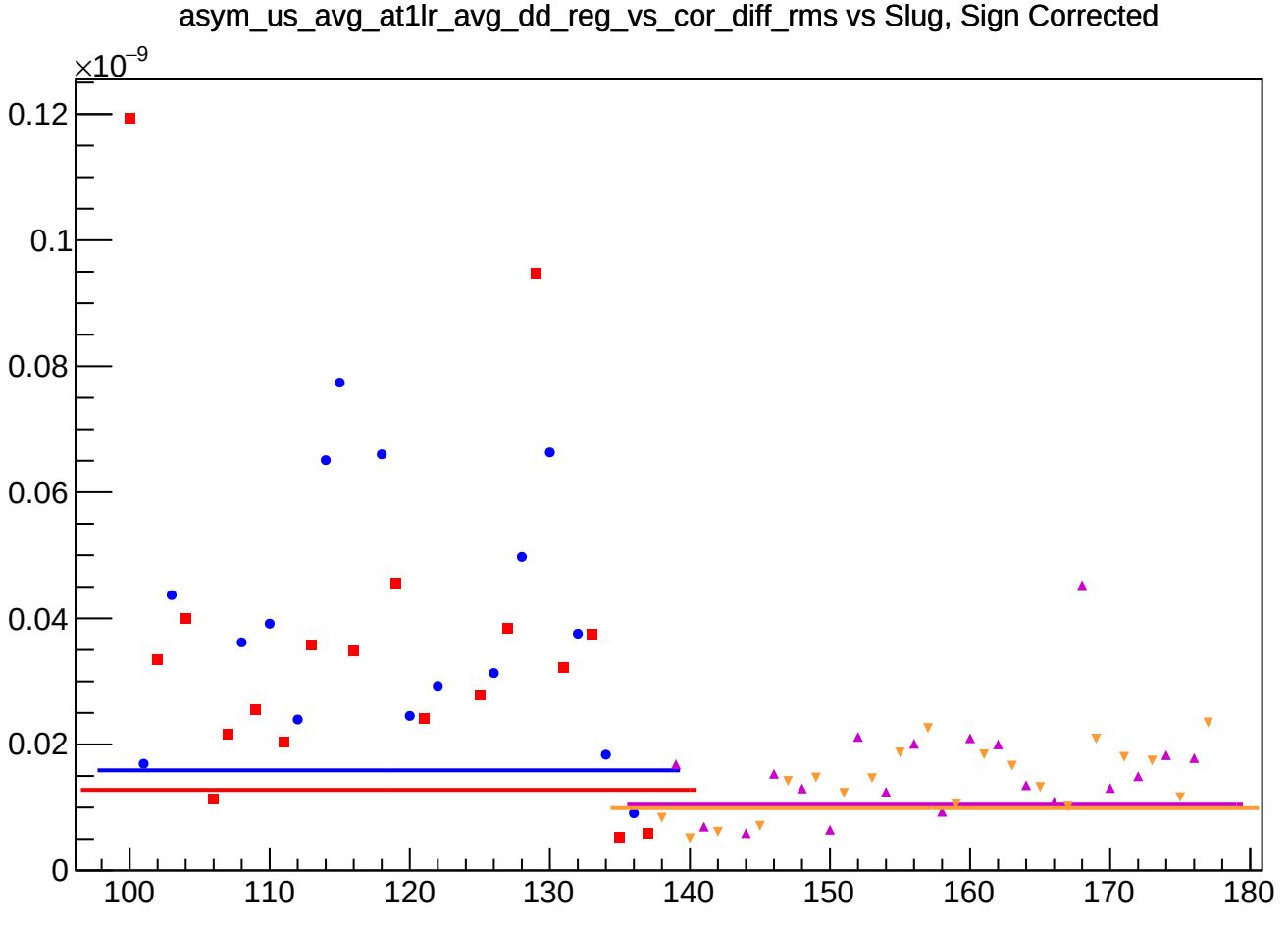
Right: 2074.439+/-0.396 χ^2/NDF: 1622768.9/33

In: 1947.430+/-0.292 χ^2/NDF:1076532.8/34

Out: 1962.989+/-0.291 χ^2/NDF:837338.1/37

All: 1955.228+/-0.206 χ^2/NDF: 1915293.6/72


asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 18.0/15
Left Out: 0.000+/-0.000 χ²/NDF:15.8/19
Right Out: -0.000+/-0.000 χ²/NDF: 20.7/17
Left In: -0.000+/-0.000 χ²/NDF:13.9/18
Left: 0.000+/-0.000 χ²/NDF: 33.7/38
Right: -0.000+/-0.000 χ²/NDF: 41.8/33
In: -0.000+/-0.000 χ²/NDF:33.8/34
Out: 0.000+/-0.000 χ²/NDF:40.6/37
All: 0.000+/-0.000 χ²/NDF: 75.8/72



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2117050.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:2470202.1/18

Left: 0.000+/-0.000 χ^2/NDF: 4601493.5/38

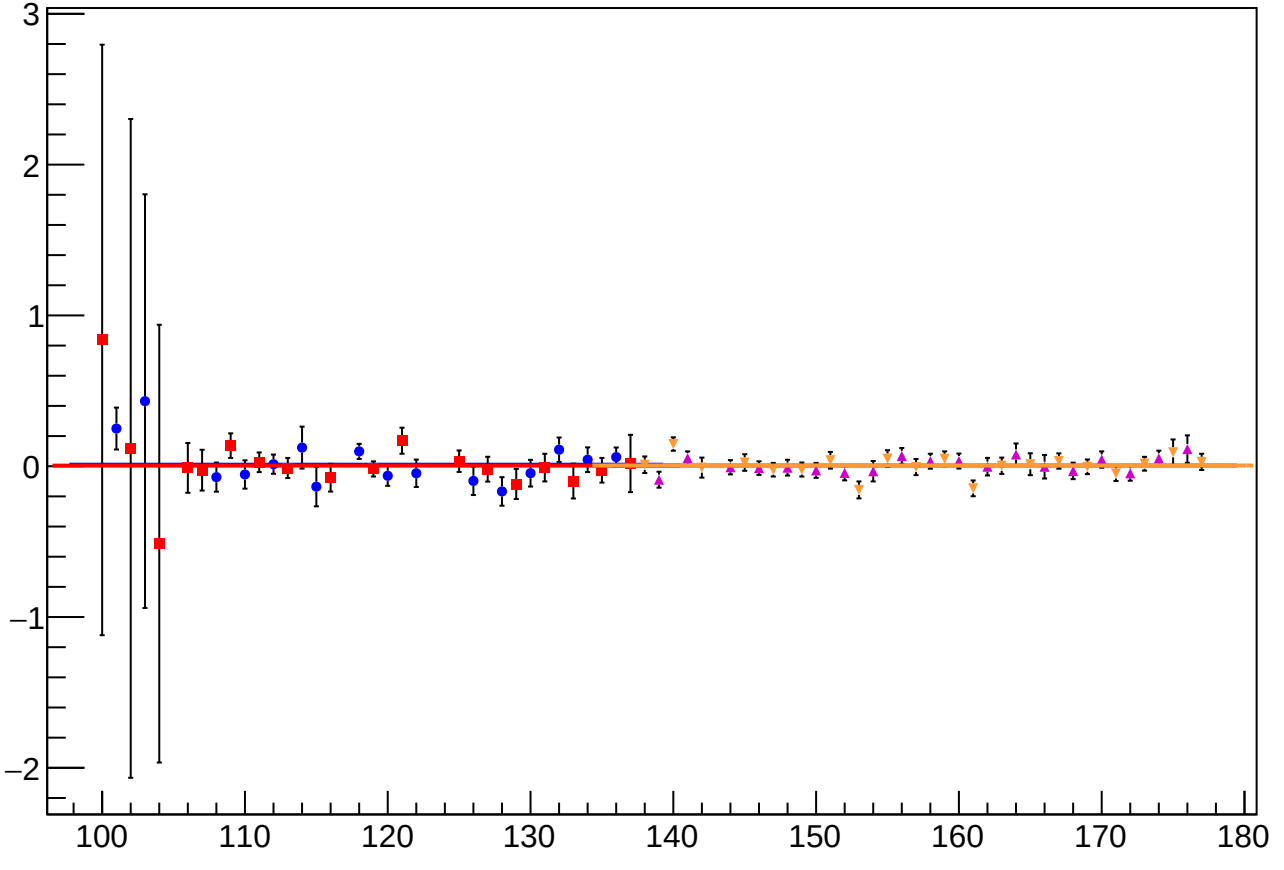
Right: 0.000+/-0.000 χ^2/NDF: 4498662.7/33

In: 0.000+/-0.000 χ^2/NDF:4782761.1/34

Out: 0.000+/-0.000 χ^2/NDF:4727913.1/37

All: 0.000+/-0.000 χ^2/NDF: 9555088.0/72

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: 0.005+/-0.012 χ^2/NDF:32.5/19

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.005+/-0.012 χ^2/NDF:13.9/18

Left: 0.005+/-0.009 χ^2/NDF: 46.3/38

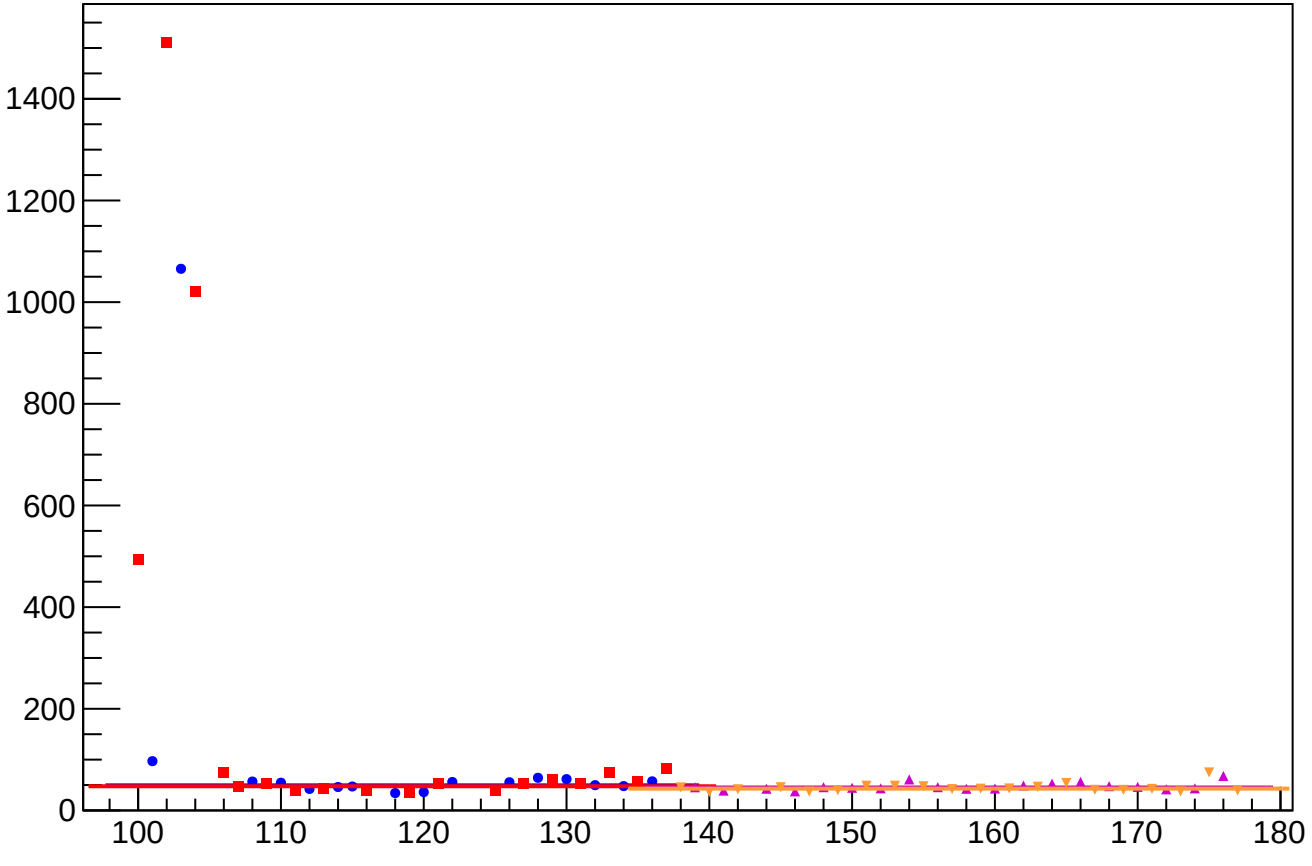
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.006+/-0.011 χ^2/NDF:32.4/34

Out: 0.005+/-0.010 χ^2/NDF:43.0/37

All: 0.005+/-0.007 χ^2/NDF: 75.3/72

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 42.968+/-0.008 χ^2/NDF:537371.2/19

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 45.153+/-0.009 χ^2/NDF:433090.3/18

Left: 44.017+/-0.006 χ^2/NDF: 1003170.7/38

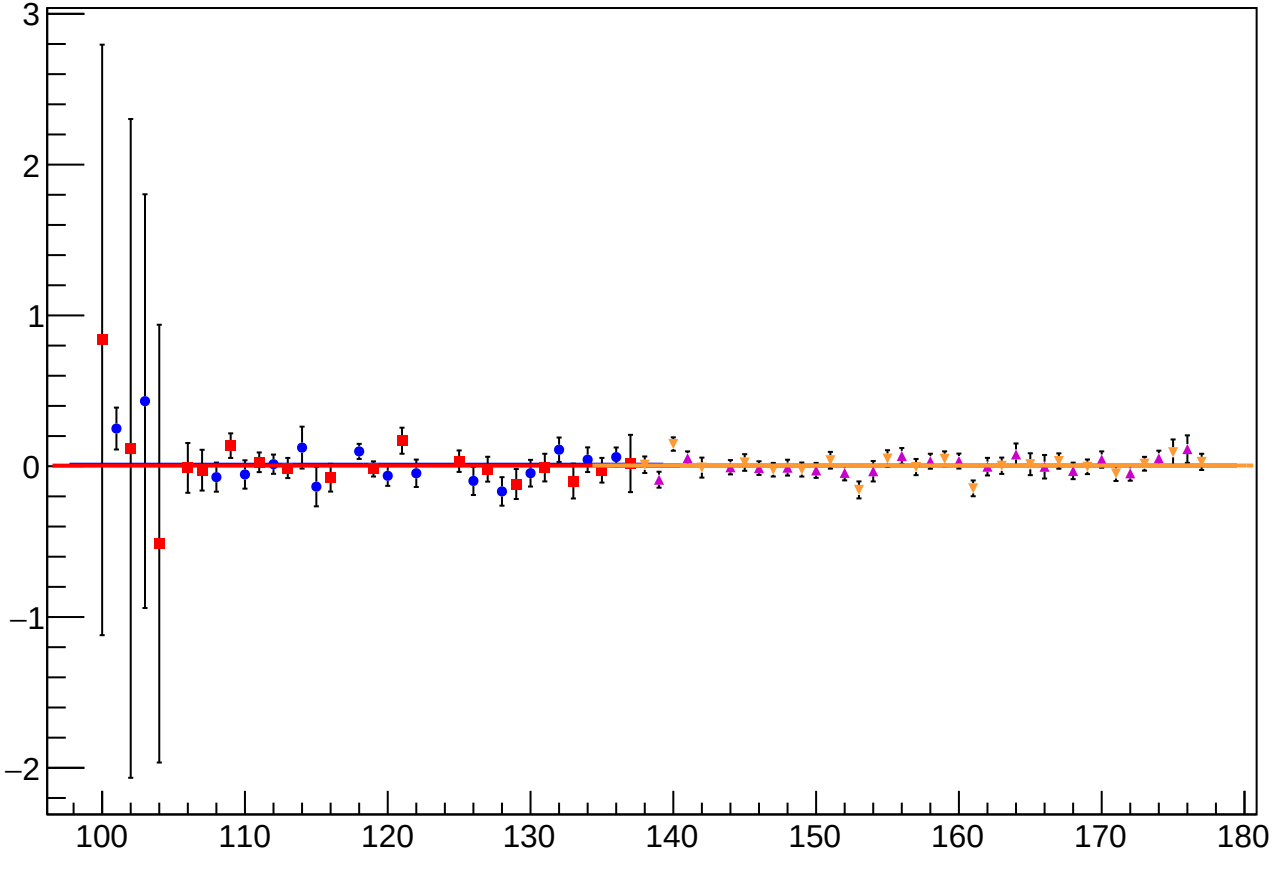
Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 46.226+/-0.008 χ^2/NDF:2269219.9/34

Out: 44.047+/-0.007 χ^2/NDF:3026849.8/37

All: 45.111+/-0.005 χ^2/NDF: 5339189.6/72

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: 0.005+/-0.012 χ^2/NDF:32.5/19

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.005+/-0.012 χ^2/NDF:13.9/18

Left: 0.005+/-0.009 χ^2/NDF: 46.3/38

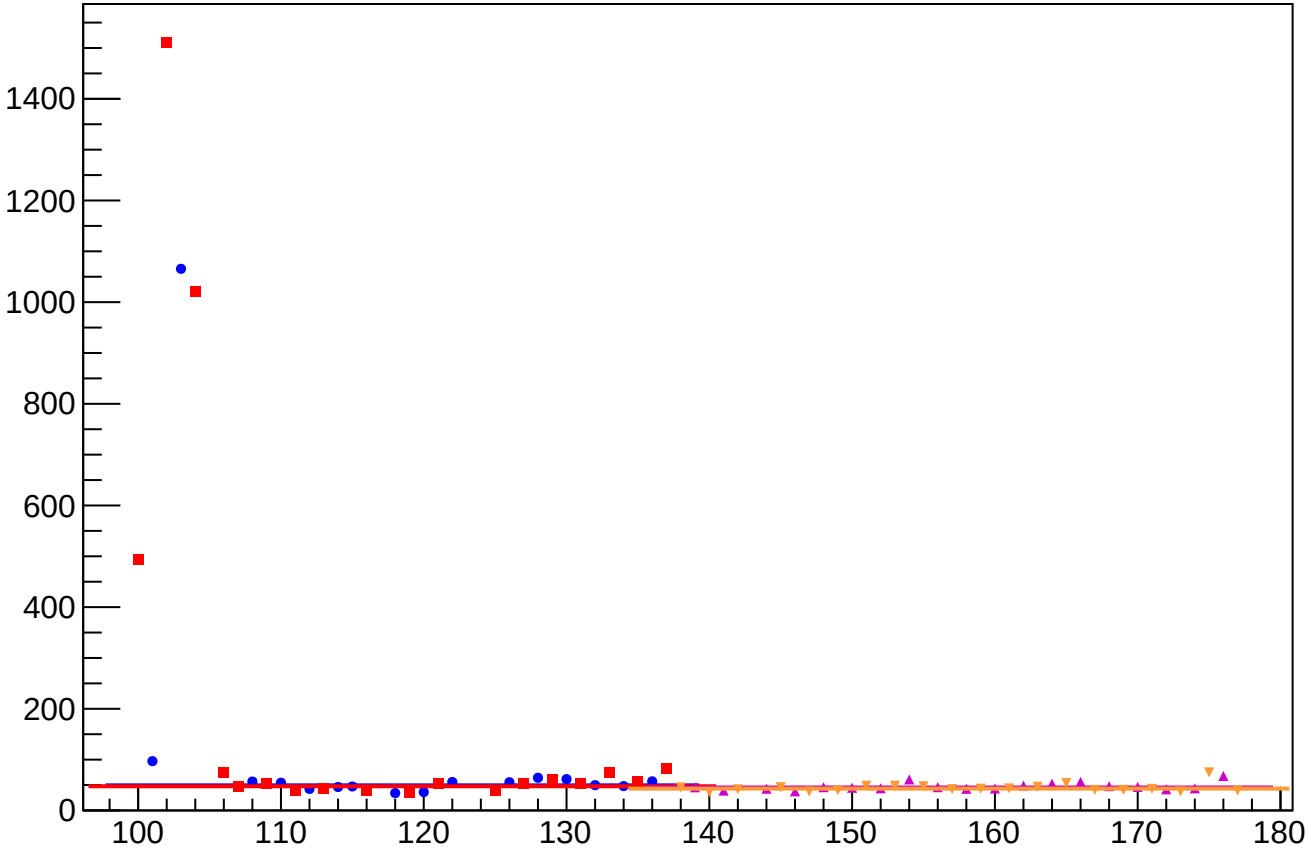
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.006+/-0.011 χ^2/NDF:32.4/34

Out: 0.005+/-0.010 χ^2/NDF:43.0/37

All: 0.005+/-0.007 χ^2/NDF: 75.3/72

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 42.968+/-0.008 χ^2/NDF:537371.2/19

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 45.153+/-0.009 χ^2/NDF:433090.3/18

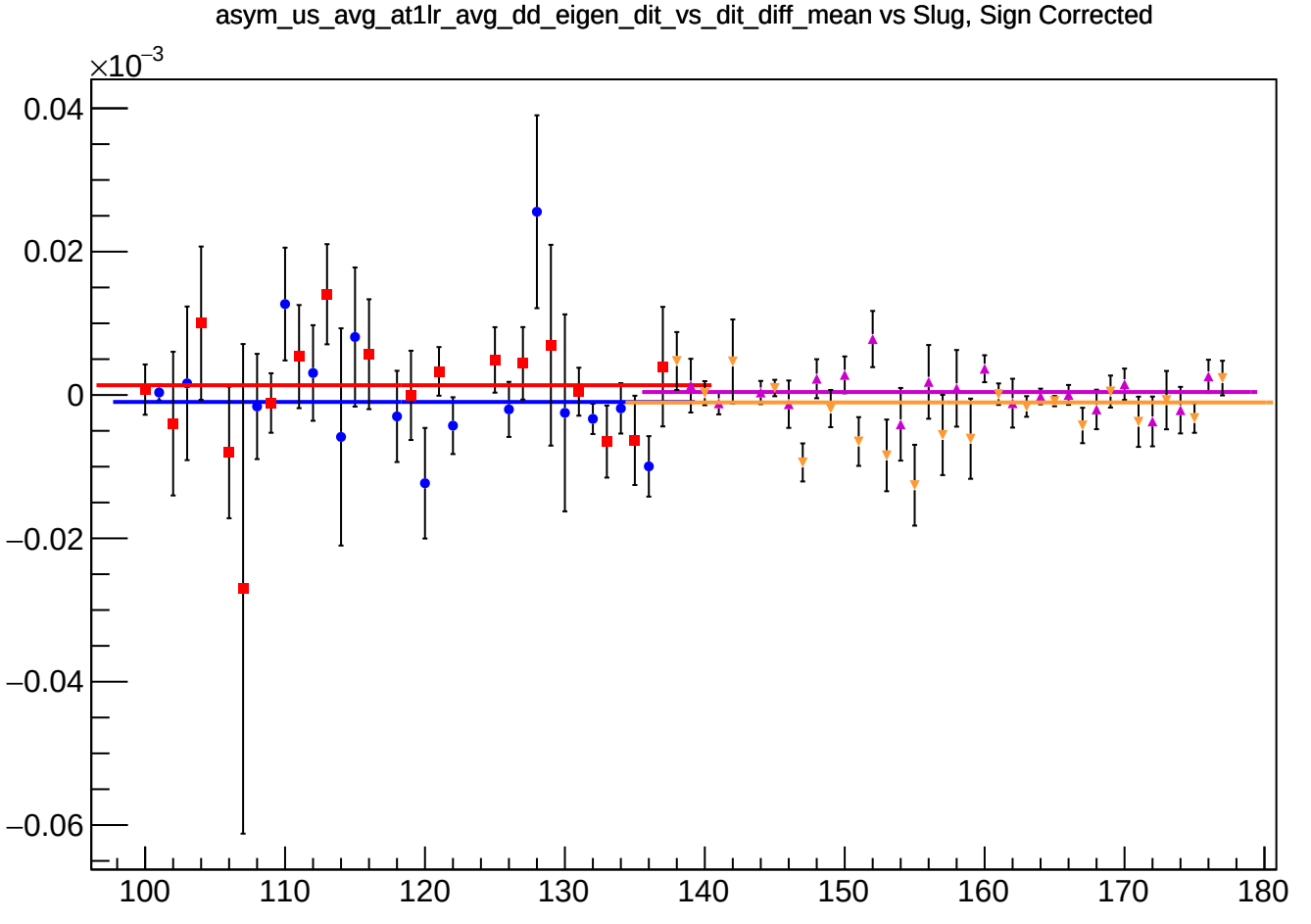
Left: 44.017+/-0.006 χ^2/NDF: 1003170.7/38

Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 46.226+/-0.008 χ^2/NDF:2269219.9/34

Out: 44.047+/-0.007 χ^2/NDF:3026849.8/37

All: 45.111+/-0.005 χ^2/NDF: 5339189.6/72



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:14.6/18

Left: -0.000+/-0.000 χ^2/NDF: 53.2/38

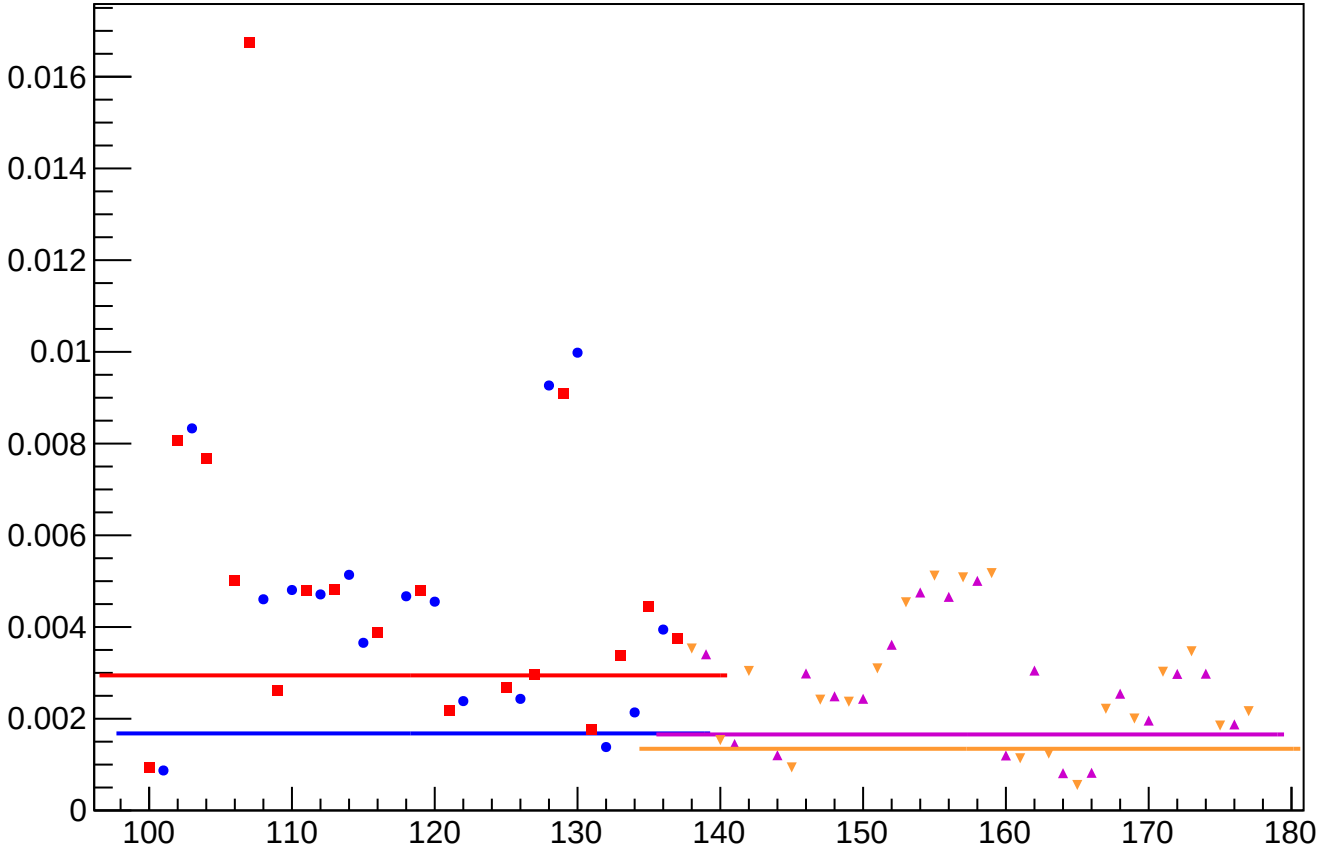
Right: -0.000+/-0.000 χ^2/NDF: 33.6/33

In: 0.000+/-0.000 χ^2/NDF:35.3/34

Out: -0.000+/-0.000 χ^2/NDF:49.6/37

All: -0.000+/-0.000 χ^2/NDF: 86.8/72

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:10002131.1/19

Right Out: 0.003+/-0.000 χ^2/NDF: 3379848.5/17

Left In: 0.002+/-0.000 χ^2/NDF:7291942.1/18

Left: 0.001+/-0.000 χ^2/NDF: 17738391.3/38

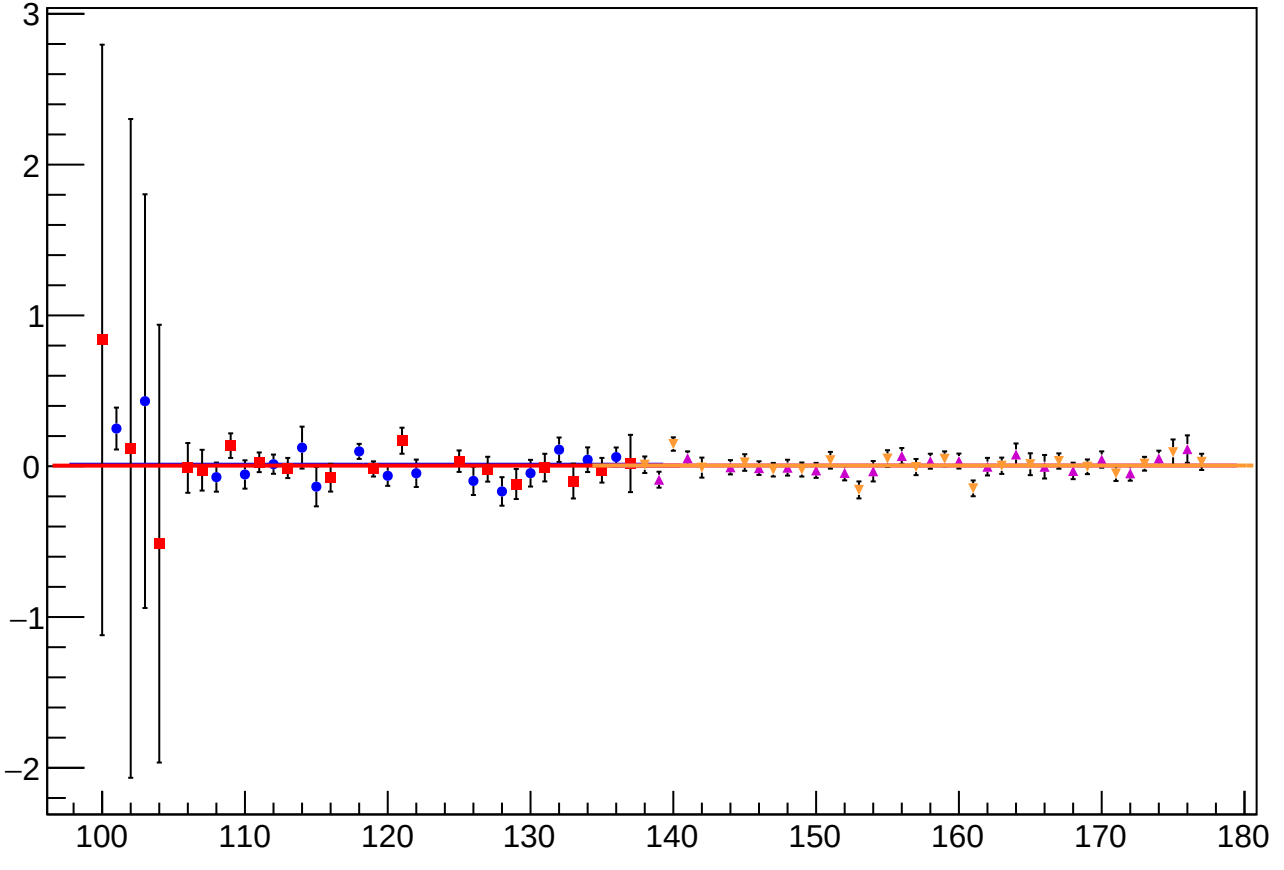
Right: 0.002+/-0.000 χ^2/NDF: 10702272.5/33

In: 0.002+/-0.000 χ^2/NDF:13253219.8/34

Out: 0.002+/-0.000 χ^2/NDF:16160018.2/37

All: 0.002+/-0.000 χ^2/NDF: 29561664.1/72

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: 0.005+/-0.012 χ^2/NDF:32.5/19

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.005+/-0.012 χ^2/NDF:13.9/18

Left: 0.005+/-0.009 χ^2/NDF: 46.3/38

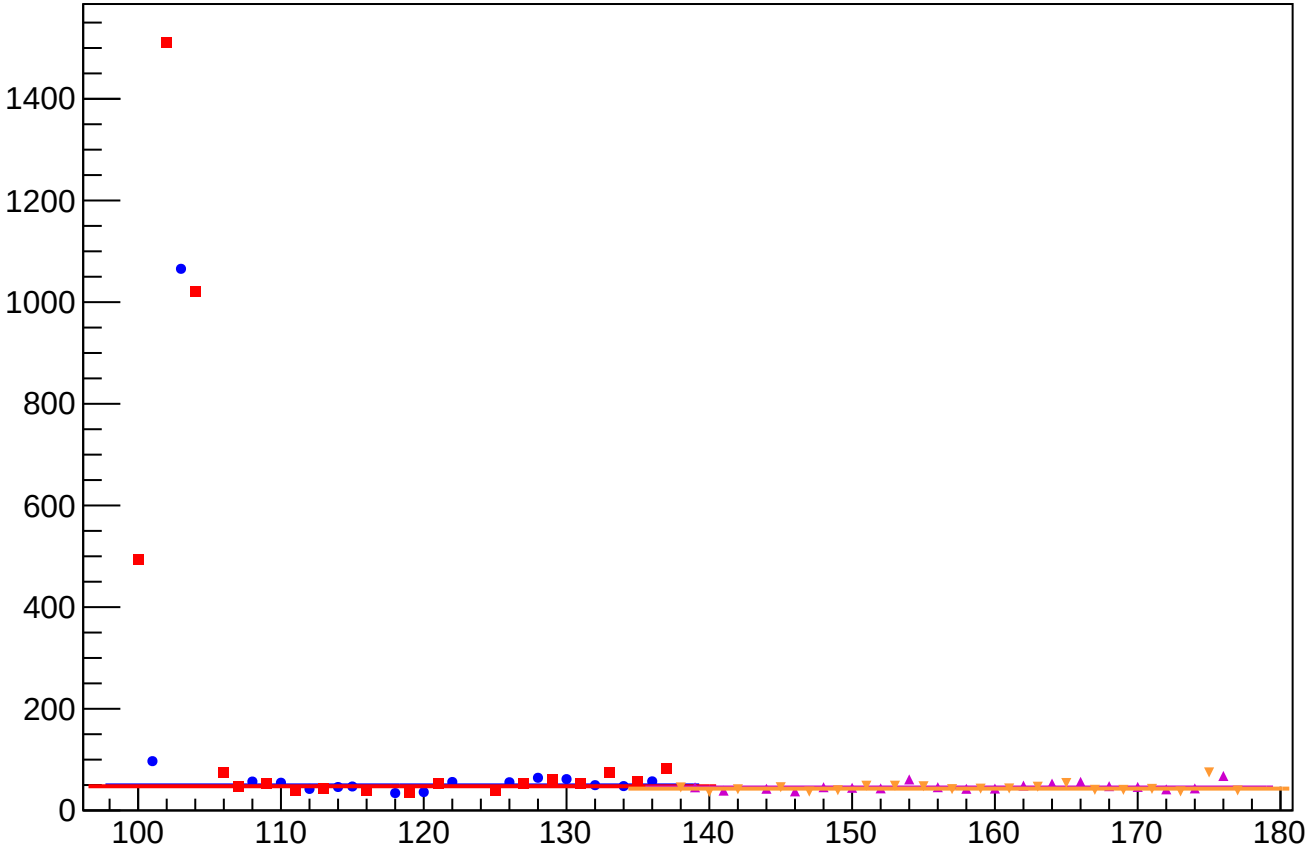
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.006+/-0.011 χ^2/NDF:32.4/34

Out: 0.005+/-0.010 χ^2/NDF:43.0/37

All: 0.005+/-0.007 χ^2/NDF: 75.3/72

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 42.968+/-0.008 χ^2/NDF:537386.3/19

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 45.153+/-0.009 χ^2/NDF:433161.0/18

Left: 44.017+/-0.006 χ^2/NDF: 1003244.8/38

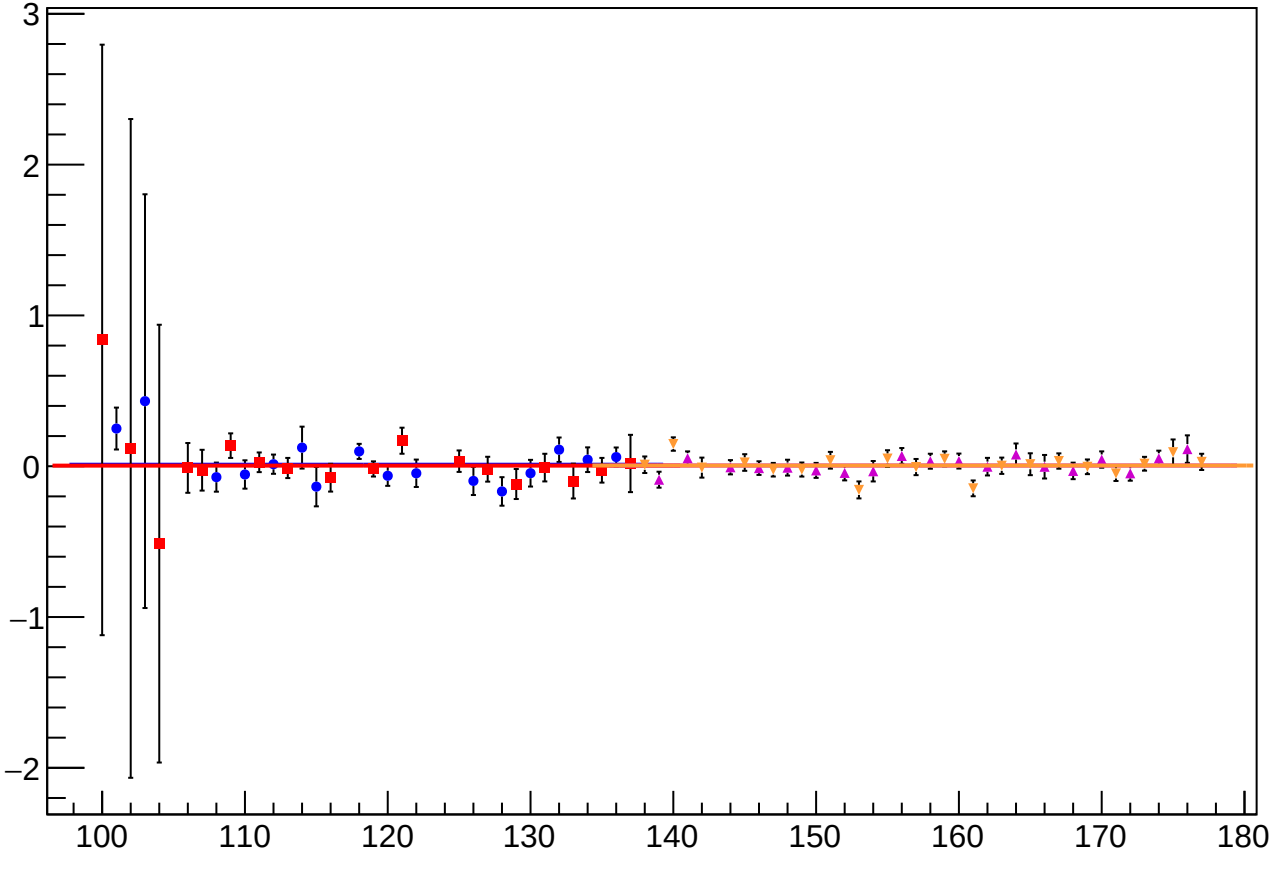
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 46.226+/-0.008 χ^2/NDF:2269236.6/34

Out: 44.047+/-0.007 χ^2/NDF:3026870.1/37

All: 45.111+/-0.005 χ^2/NDF: 5339225.4/72

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: 0.005+/-0.012 χ^2/NDF:32.5/19

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.005+/-0.012 χ^2/NDF:13.9/18

Left: 0.005+/-0.009 χ^2/NDF: 46.3/38

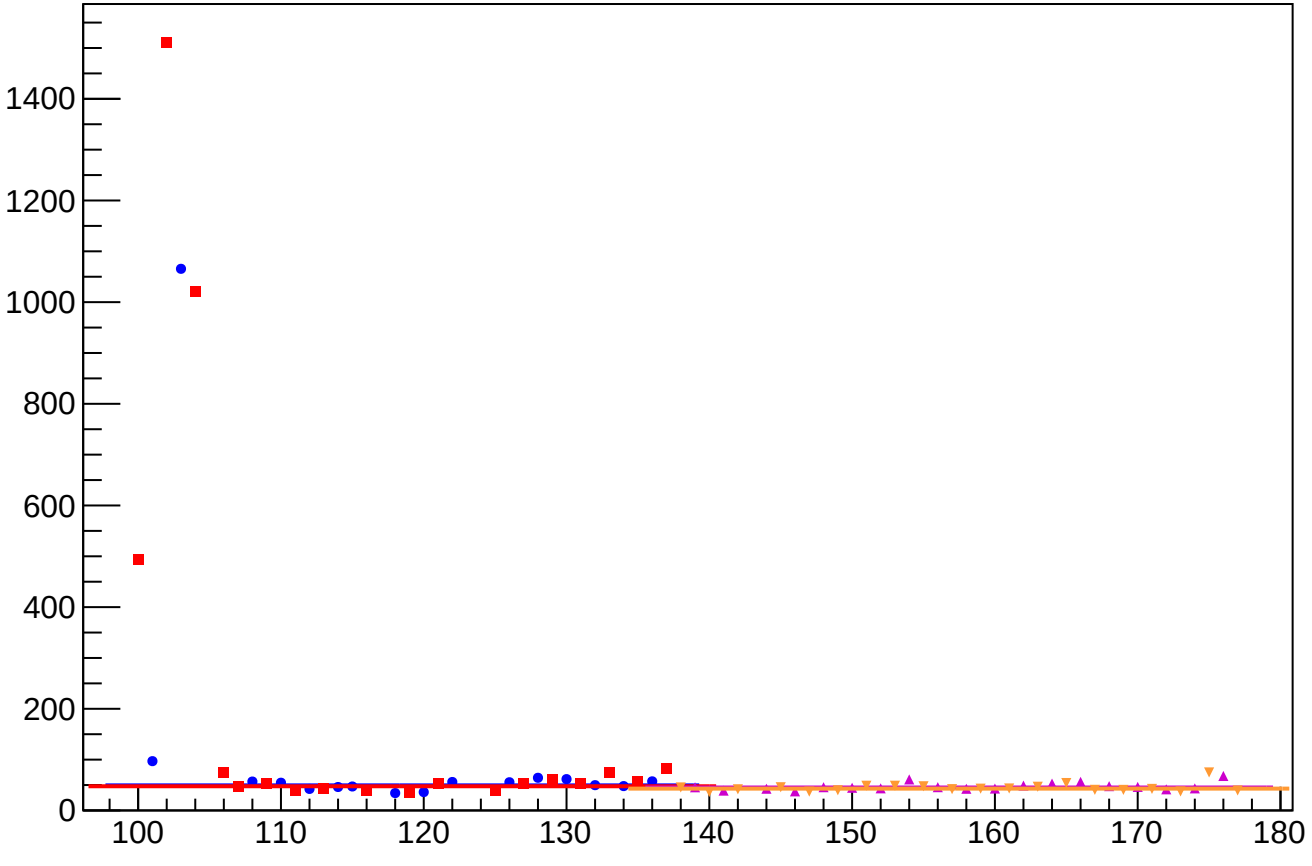
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.006+/-0.011 χ^2/NDF:32.4/34

Out: 0.005+/-0.010 χ^2/NDF:43.0/37

All: 0.005+/-0.007 χ^2/NDF: 75.3/72

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 42.968+/-0.008 χ^2/NDF:537386.3/19

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 45.153+/-0.009 χ^2/NDF:433161.0/18

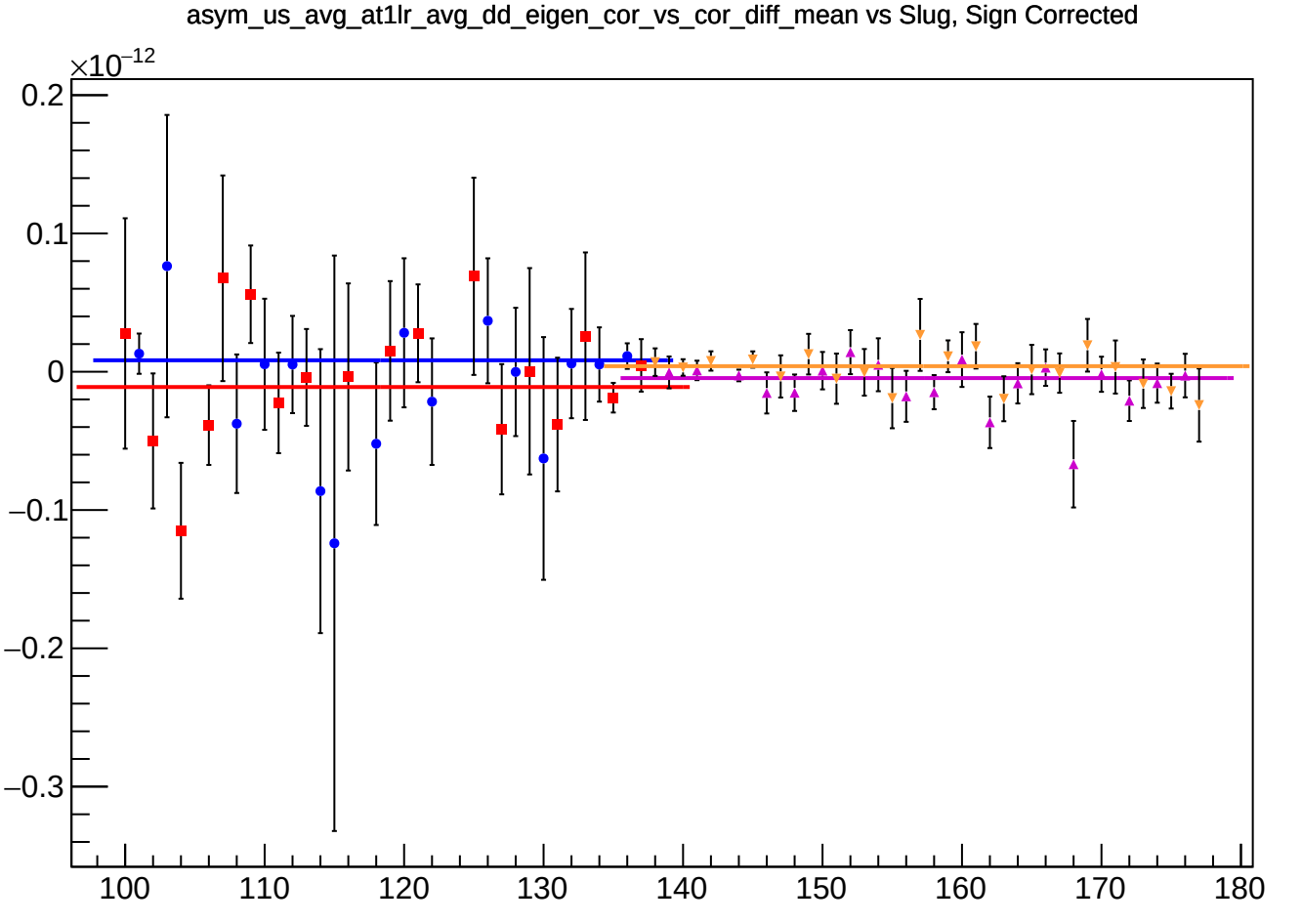
Left: 44.017+/-0.006 χ^2/NDF: 1003244.8/38

Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

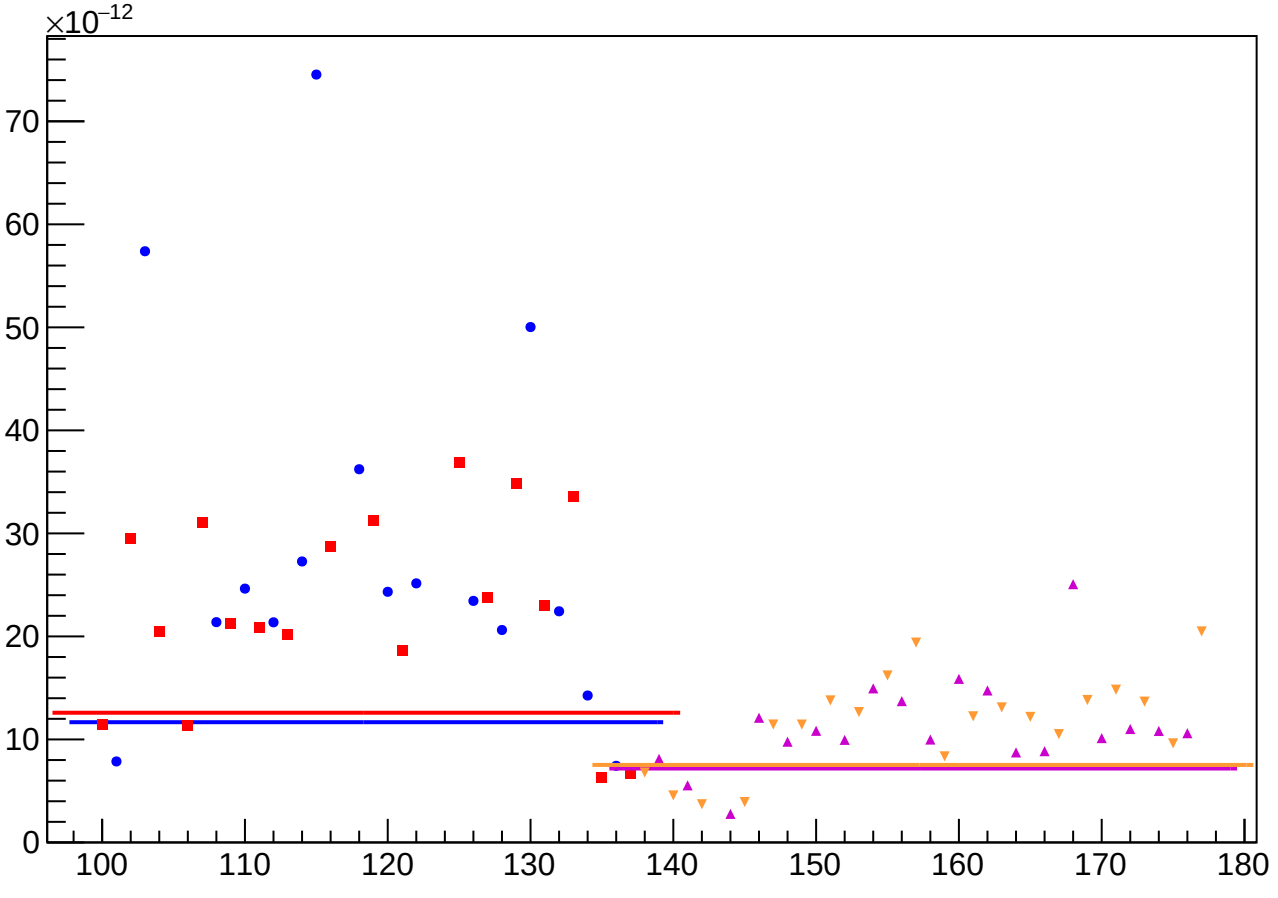
In: 46.226+/-0.008 χ^2/NDF:2269236.6/34

Out: 44.047+/-0.007 χ^2/NDF:3026870.1/37

All: 45.111+/-0.005 χ^2/NDF: 5339225.4/72


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:11.6/19
Right Out: -0.000+/-0.000 χ²/NDF: 16.2/17
Left In: -0.000+/-0.000 χ²/NDF:14.3/18
Left: -0.000+/-0.000 χ²/NDF: 31.4/38
Right: -0.000+/-0.000 χ²/NDF: 25.5/33
In: -0.000+/-0.000 χ²/NDF:22.9/34
Out: 0.000+/-0.000 χ²/NDF:31.7/37
All: -0.000+/-0.000 χ²/NDF: 56.9/72

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2905247.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:5206917.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2923298.3/17

Left In: 0.000+/-0.000 χ^2/NDF:5403665.3/18

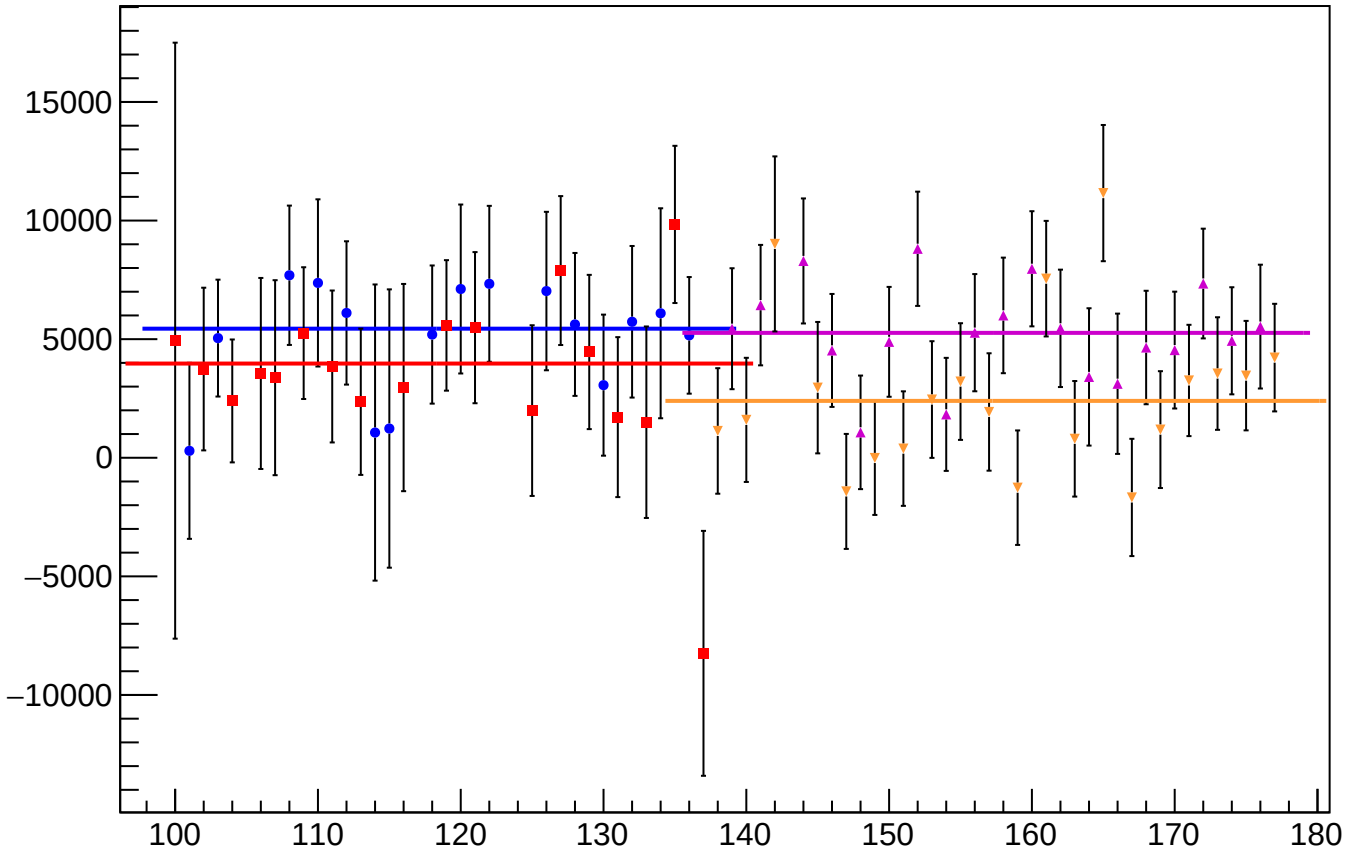
Left: 0.000+/-0.000 χ^2/NDF: 10628586.9/38

Right: 0.000+/-0.000 χ^2/NDF: 5846038.9/33

In: 0.000+/-0.000 χ^2/NDF:9101475.2/34

Out: 0.000+/-0.000 χ^2/NDF:8999493.6/37

All: 0.000+/-0.000 χ^2/NDF: 18122734.6/72



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2397.652+/-558.849 χ^2/NDF:28.6/19

Right Out: 3971.728+/-809.023 χ^2/NDF: 13.0/17

Left In: 5265.569+/-567.301 χ^2/NDF:12.2/18

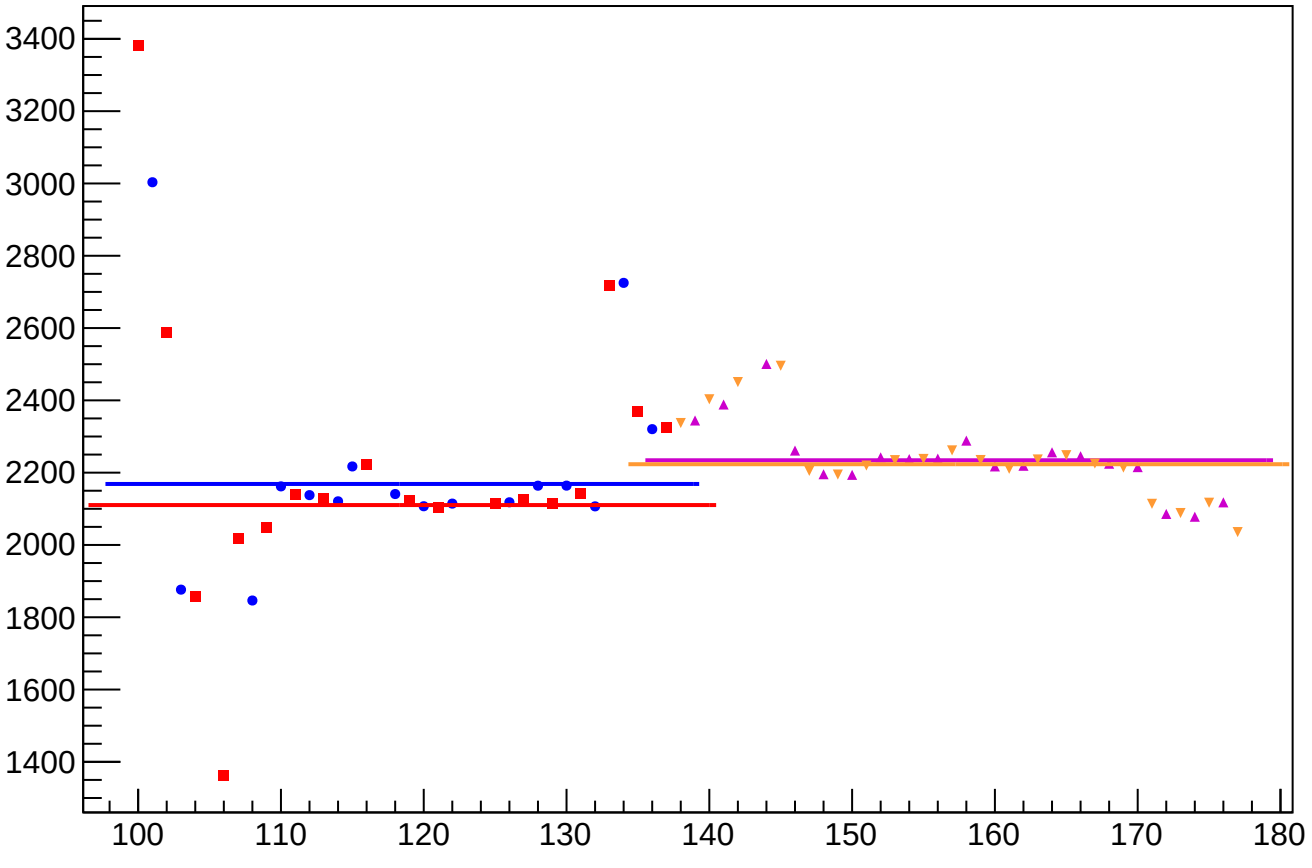
Left: 3810.086+/-398.121 χ^2/NDF: 53.8/38

Right: 4703.849+/-573.303 χ^2/NDF: 20.0/33

In: 5323.499+/-465.147 χ^2/NDF:17.6/34

Out: 2906.121+/-459.812 χ^2/NDF:44.1/37

All: 4100.867+/-327.006 χ^2/NDF: 75.4/72



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2223.333+/-0.395 χ^2/NDF:70203.5/19

Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2234.259+/-0.401 χ^2/NDF:56216.1/18

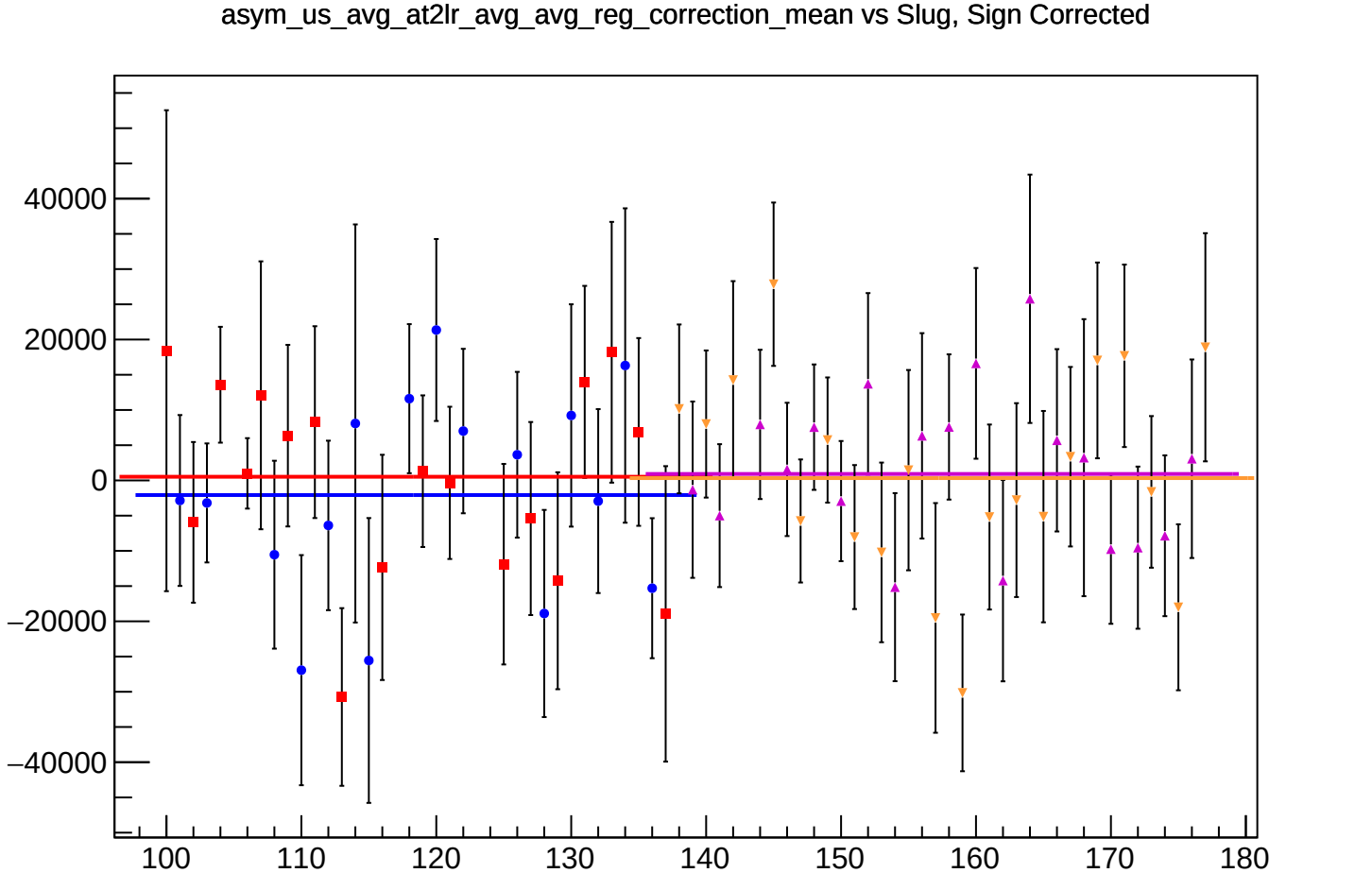
Left: 2228.714+/-0.282 χ^2/NDF: 126796.0/38

Right: 2138.947+/-0.402 χ^2/NDF: 468334.9/33

In: 2212.779+/-0.329 χ^2/NDF:260624.6/34

Out: 2186.046+/-0.323 χ^2/NDF:364591.7/37

All: 2199.189+/-0.231 χ^2/NDF: 628574.8/72



Right In: -2074.843+/-3212.093 χ^2/NDF: 14.4/15

Left Out: 329.710+/-2678.261 χ^2/NDF:26.5/19

Right Out: 521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: 917.294+/-2676.457 χ^2/NDF:11.6/18

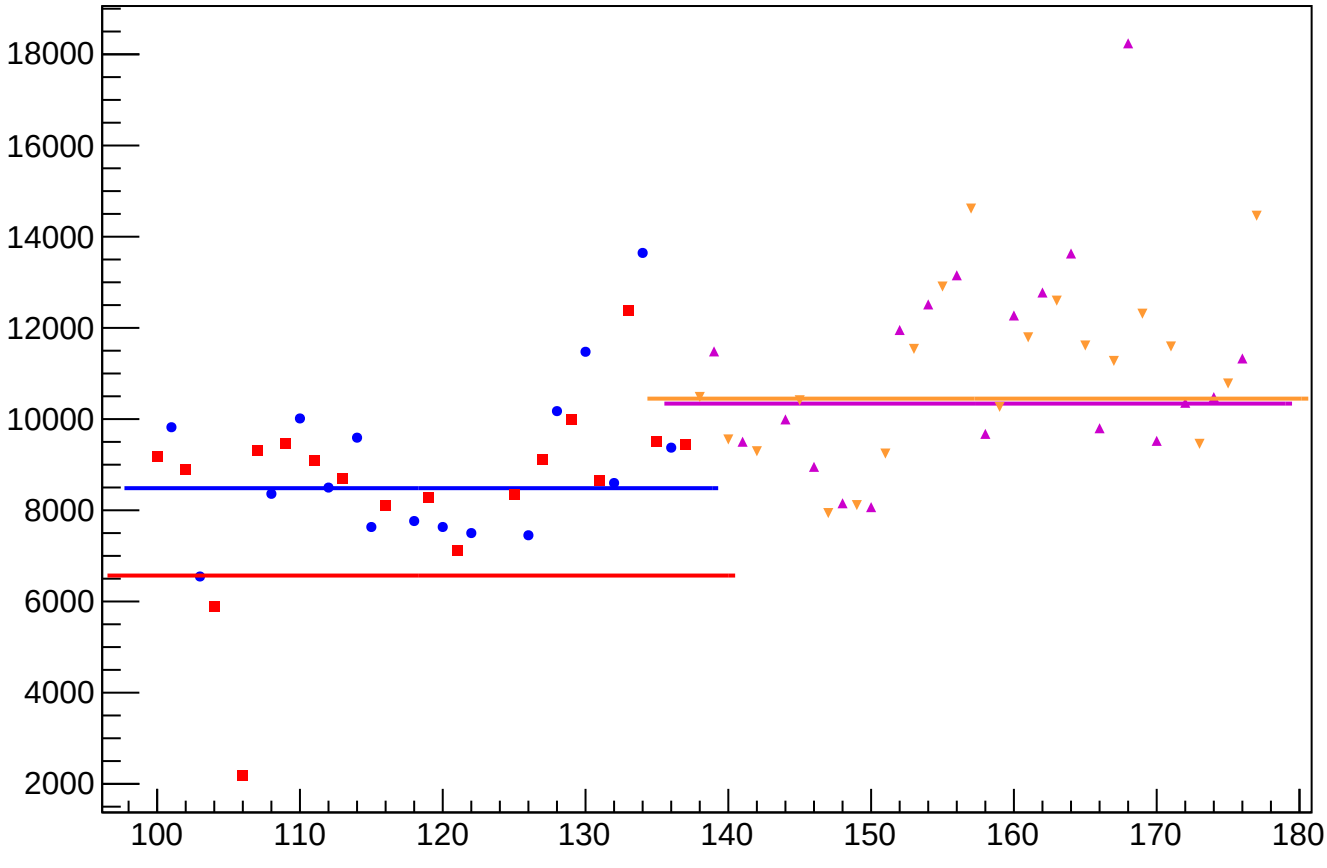
Left: 623.700+/-1893.179 χ^2/NDF: 38.1/38

Right: -560.742+/-2073.786 χ^2/NDF: 30.5/33

In: -308.837+/-2056.202 χ^2/NDF:26.6/34

Out: 424.255+/-1906.876 χ^2/NDF:42.2/37

All: 85.292+/-1398.178 χ^2/NDF: 68.8/72



Right In: 8485.000+/-2.271 χ^2/NDF: 422706.1/15

Left Out: 10448.778+/-1.894 χ^2/NDF:848048.6/19

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

Left In: 10339.756+/-1.893 χ^2/NDF:1022183.0/18

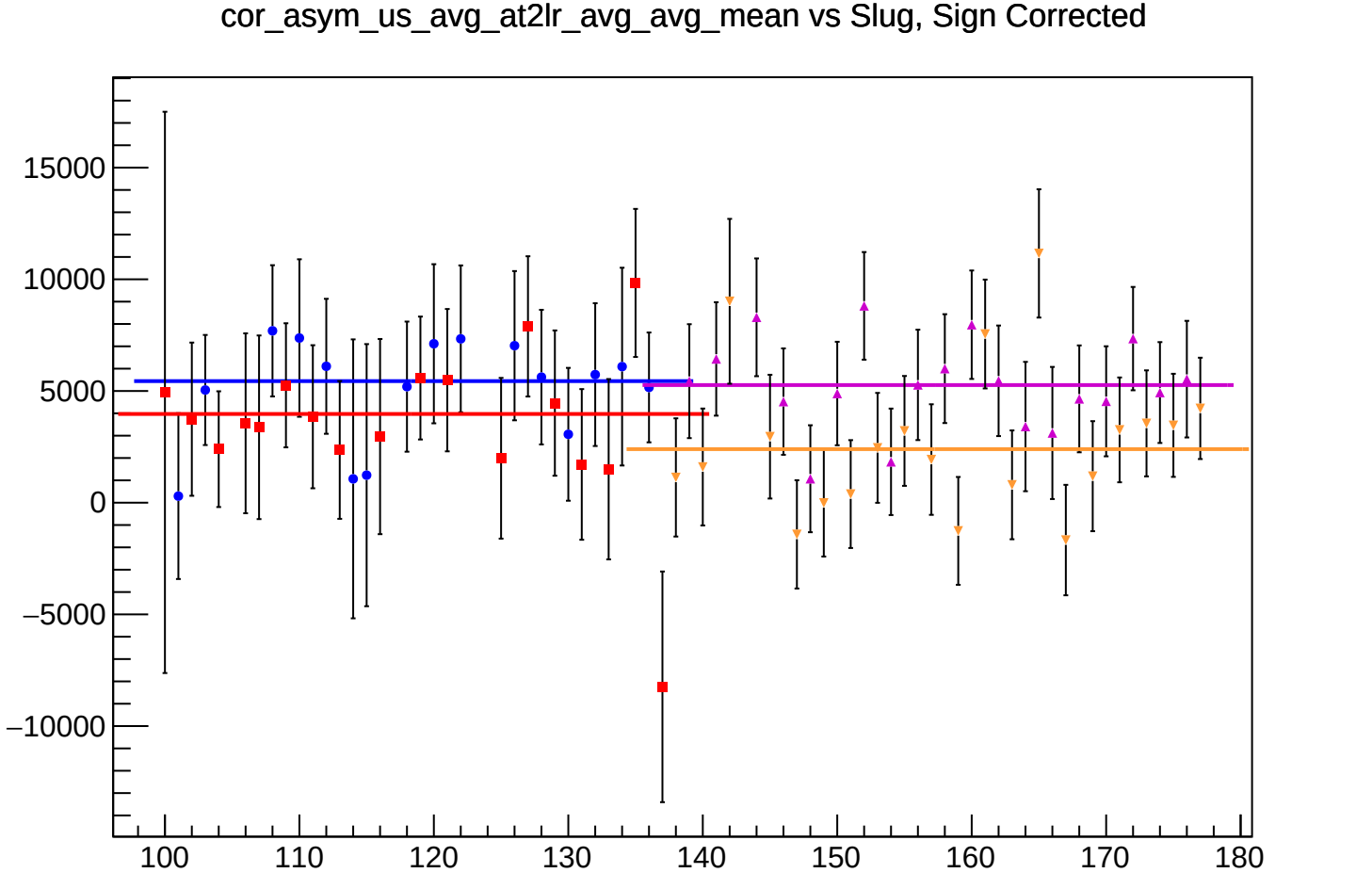
Left: 10394.230+/-1.339 χ^2/NDF: 1871889.7/38

Right: 7367.464+/-1.466 χ^2/NDF: 3406715.7/33

In: 9579.706+/-1.454 χ^2/NDF:1838473.9/34

Out: 8535.593+/-1.348 χ^2/NDF:5486697.4/37

All: 9018.364+/-0.989 χ^2/NDF: 7602422.5/72



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2397.560+/-558.849 χ^2/NDF:28.6/19

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 5265.554+/-567.301 χ^2/NDF:12.2/18

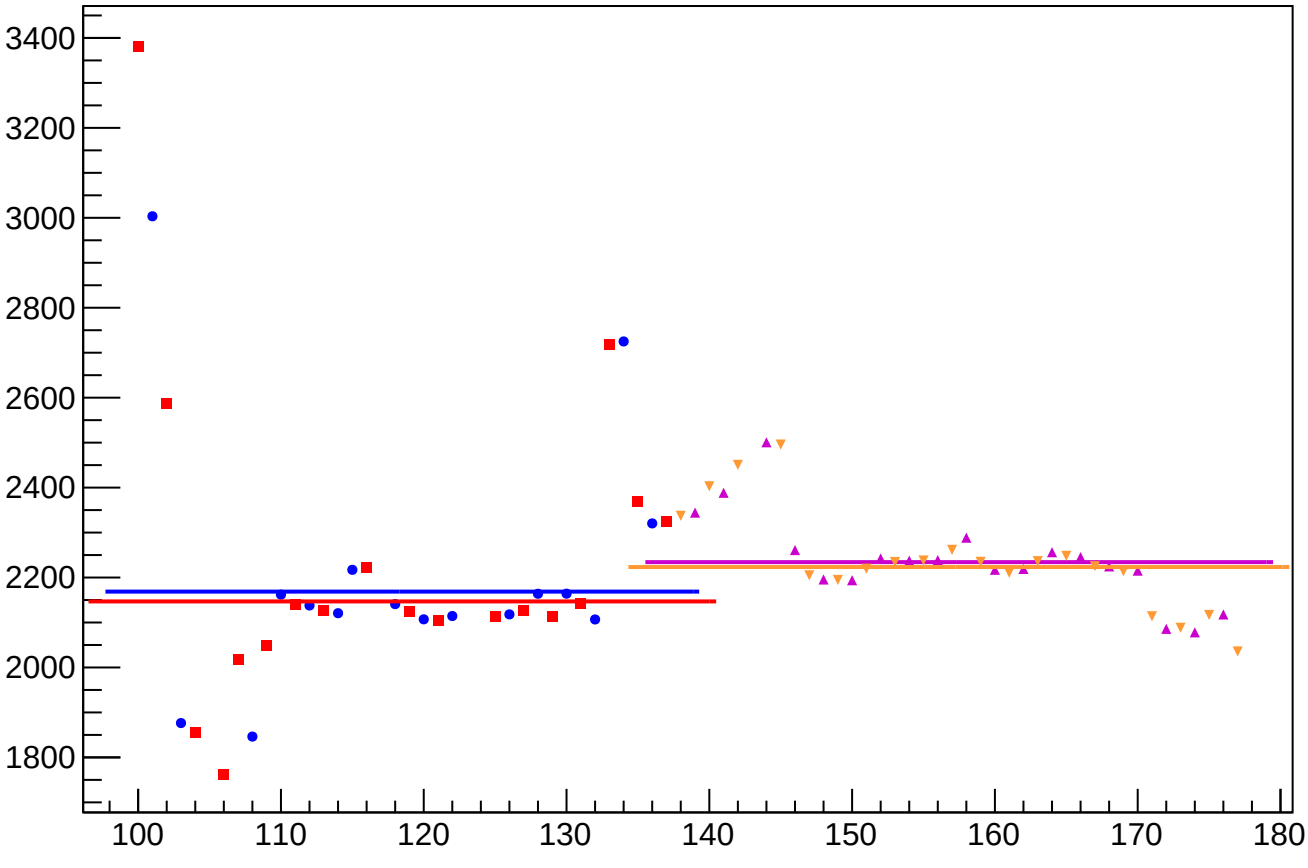
Left: 3810.032+/-398.121 χ^2/NDF: 53.8/38

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5323.535+/-465.147 χ^2/NDF:17.6/34

Out: 2905.975+/-459.812 χ^2/NDF:44.1/37

All: 4100.811+/-327.006 χ^2/NDF: 75.4/72



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2223.333+/-0.395 χ^2/NDF:70203.5/19

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2234.259+/-0.401 χ^2/NDF:56216.1/18

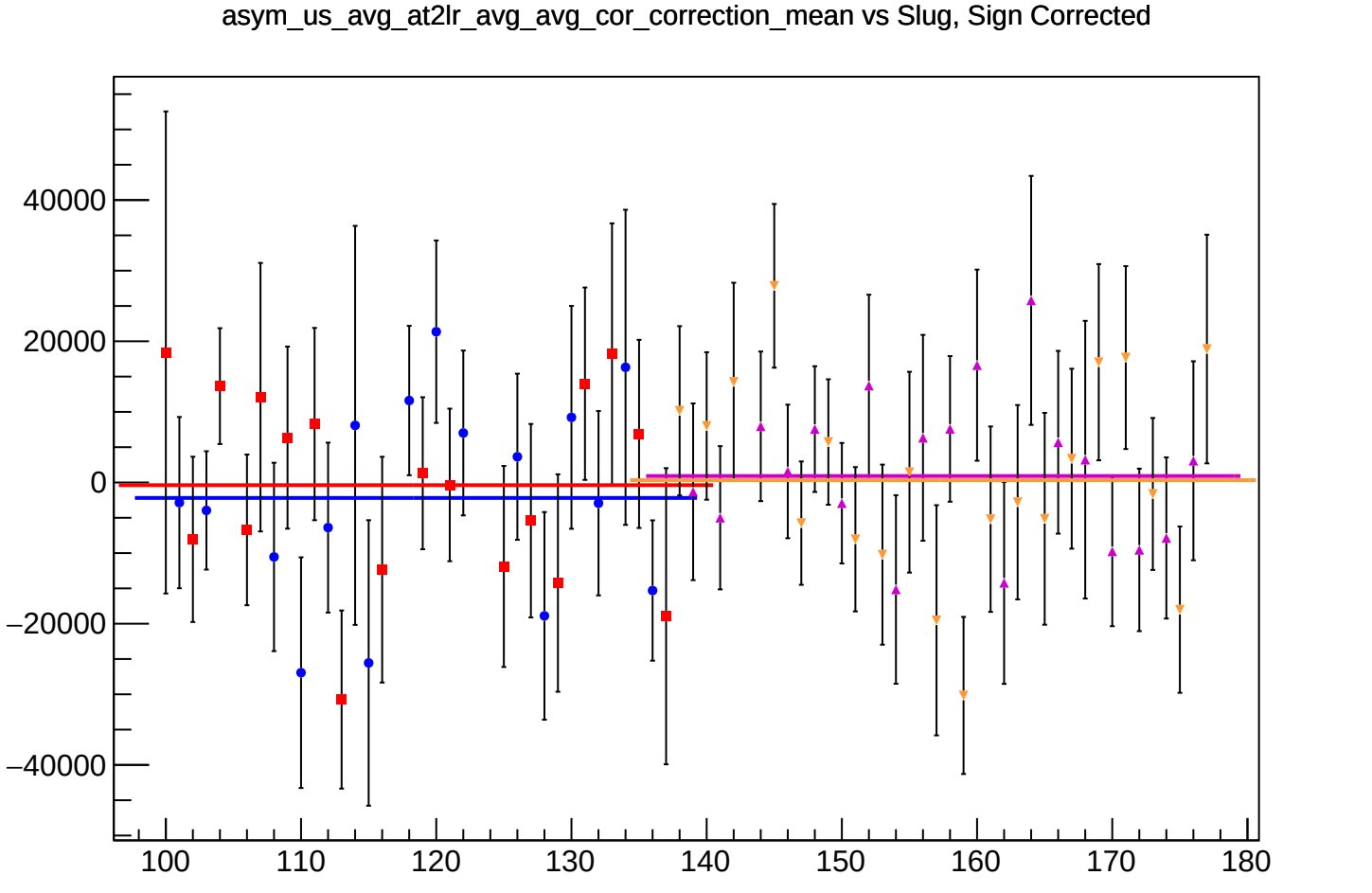
Left: 2228.714+/-0.282 χ^2/NDF: 126796.0/38

Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2212.779+/-0.329 χ^2/NDF:260625.0/34

Out: 2198.473+/-0.325 χ^2/NDF:240124.6/37

All: 2205.532+/-0.231 χ^2/NDF: 501708.0/72



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 329.712+/-2678.260 χ^2/NDF:26.5/19

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: 917.433+/-2676.456 χ^2/NDF:11.6/18

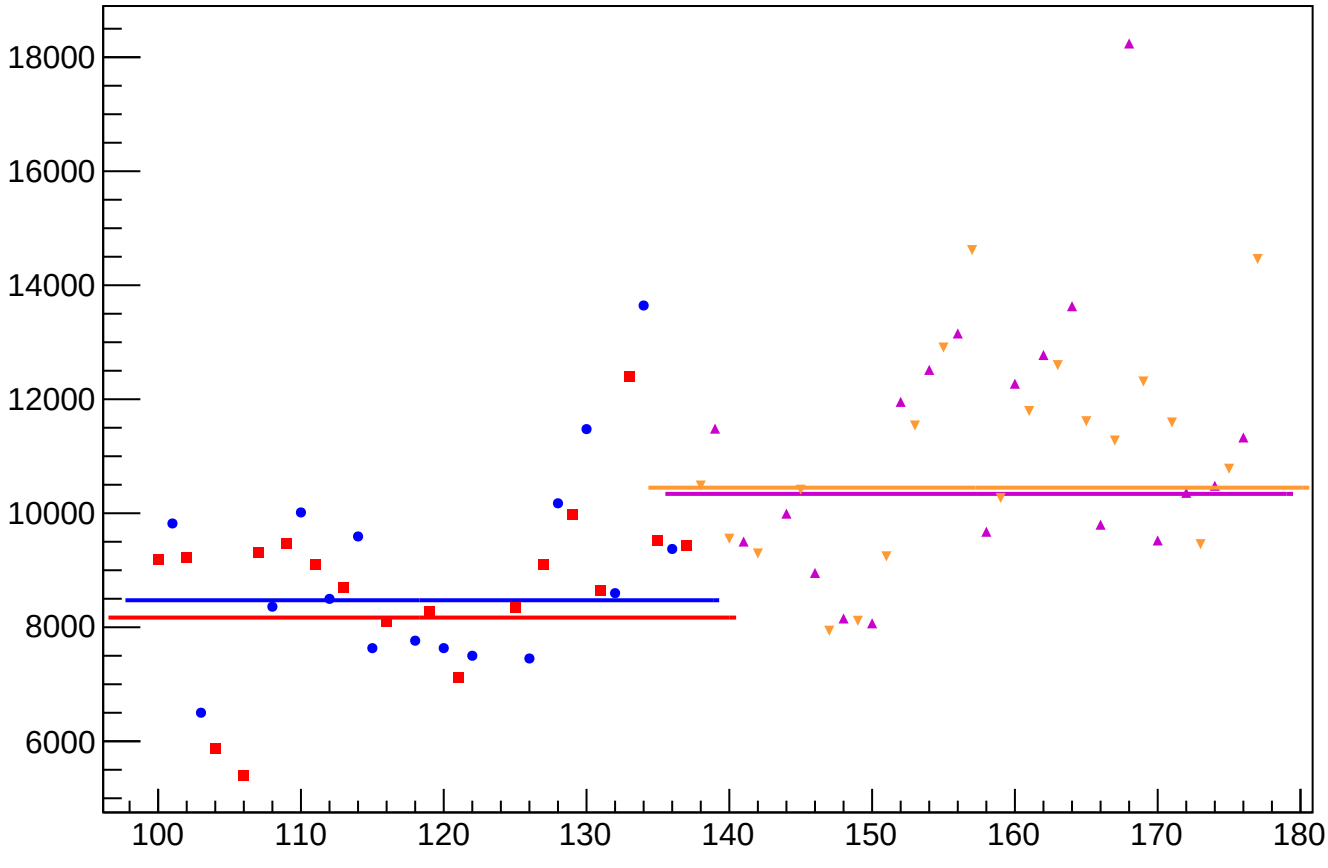
Left: 623.771+/-1893.178 χ^2/NDF: 38.1/38

Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -357.310+/-2055.264 χ^2/NDF:26.6/34

Out: 26.703+/-2026.636 χ^2/NDF:42.8/37

All: -162.610+/-1443.063 χ^2/NDF: 69.5/72



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10448.772+/-1.894 χ^2/NDF:848051.8/19

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10339.751+/-1.893 χ^2/NDF:1022188.2/18

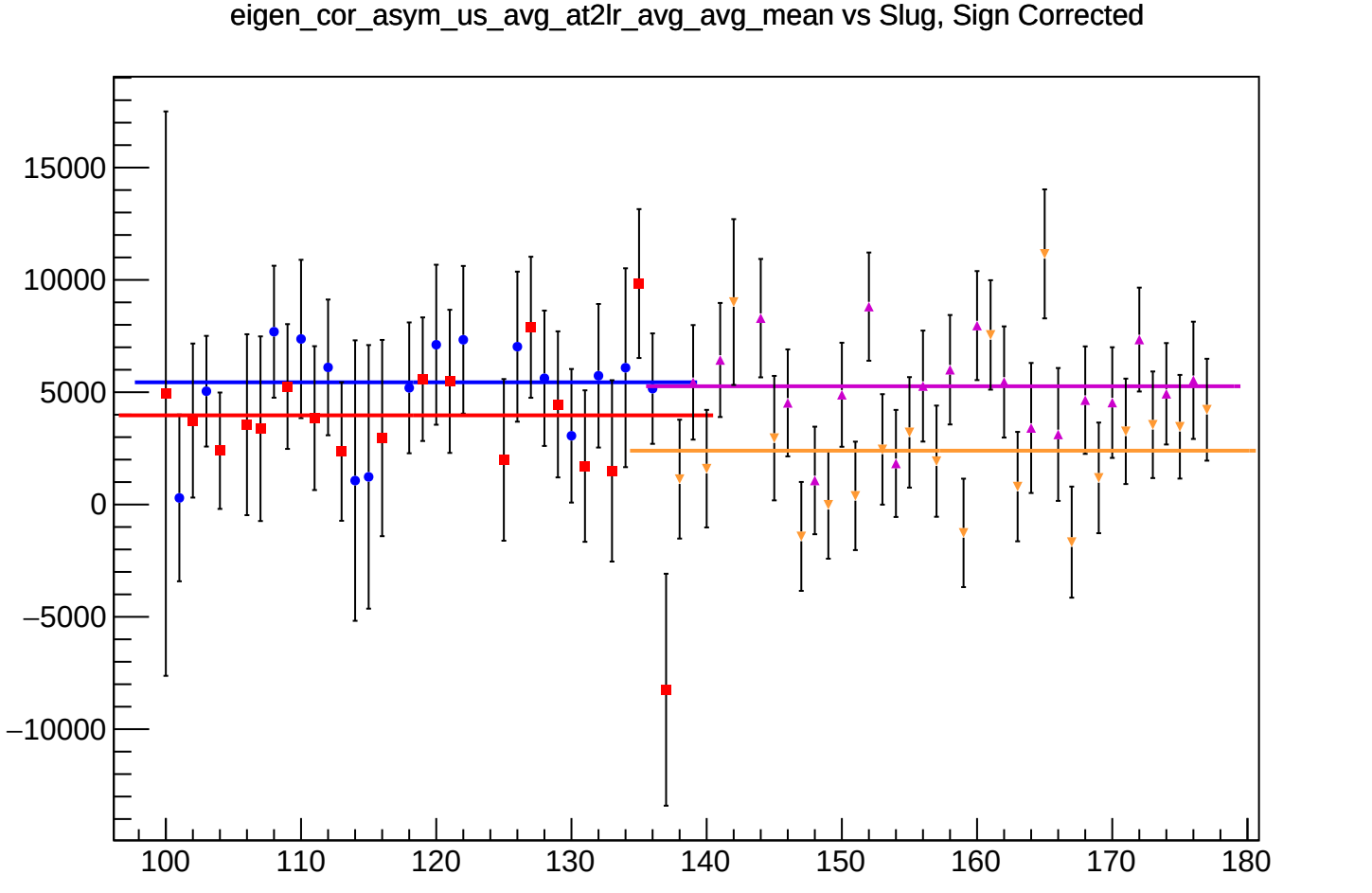
Left: 10394.225+/-1.339 χ^2/NDF: 1871898.1/38

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 9574.087+/-1.453 χ^2/NDF:1850632.9/34

Out: 9474.821+/-1.433 χ^2/NDF:2006787.8/37

All: 9523.758+/-1.020 χ^2/NDF: 3859786.1/72



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2397.560+/-558.849 χ^2/NDF:28.6/19

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 5265.554+/-567.301 χ^2/NDF:12.2/18

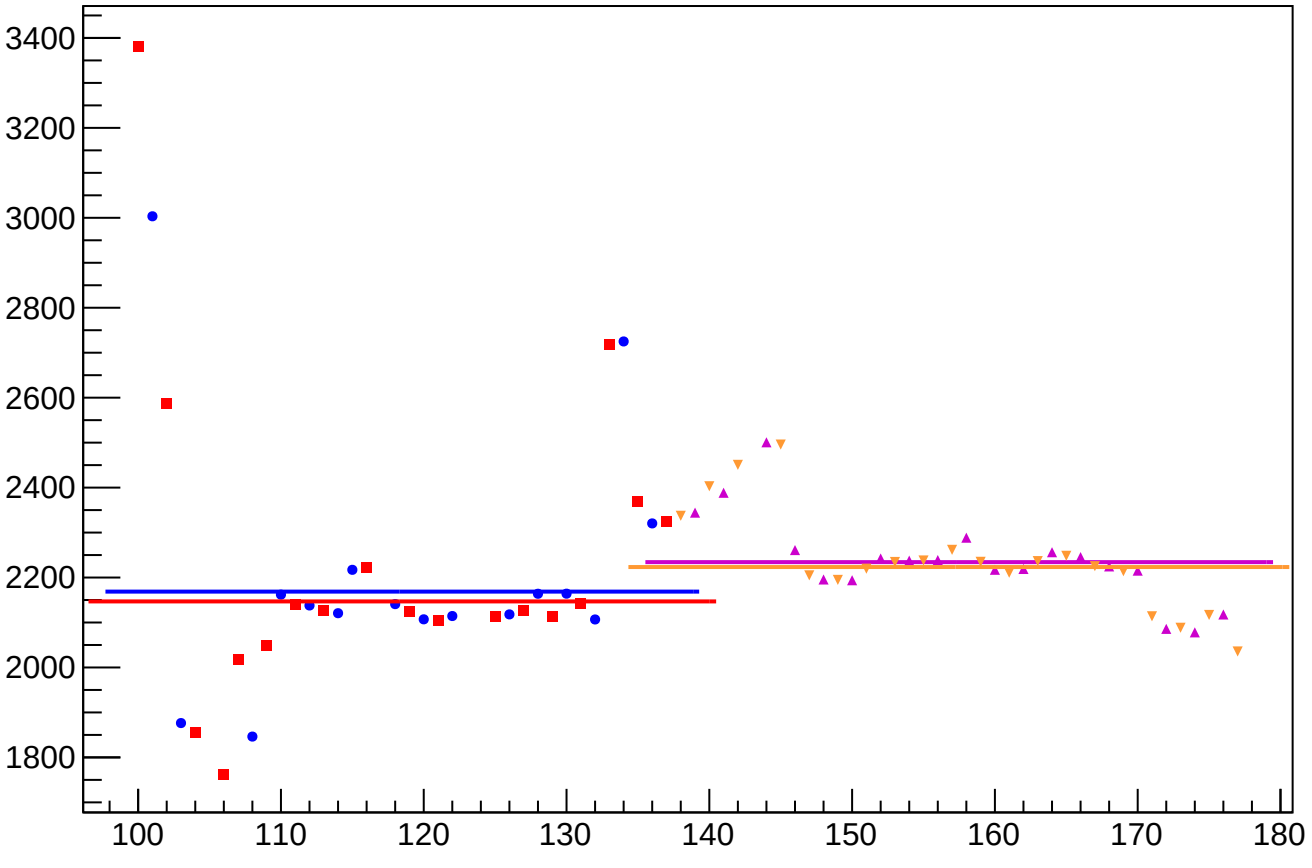
Left: 3810.032+/-398.121 χ^2/NDF: 53.8/38

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5323.535+/-465.147 χ^2/NDF:17.6/34

Out: 2905.975+/-459.812 χ^2/NDF:44.1/37

All: 4100.811+/-327.006 χ^2/NDF: 75.4/72



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2223.333+/-0.395 χ^2/NDF:70203.5/19

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2234.259+/-0.401 χ^2/NDF:56216.1/18

Left: 2228.714+/-0.282 χ^2/NDF: 126796.0/38

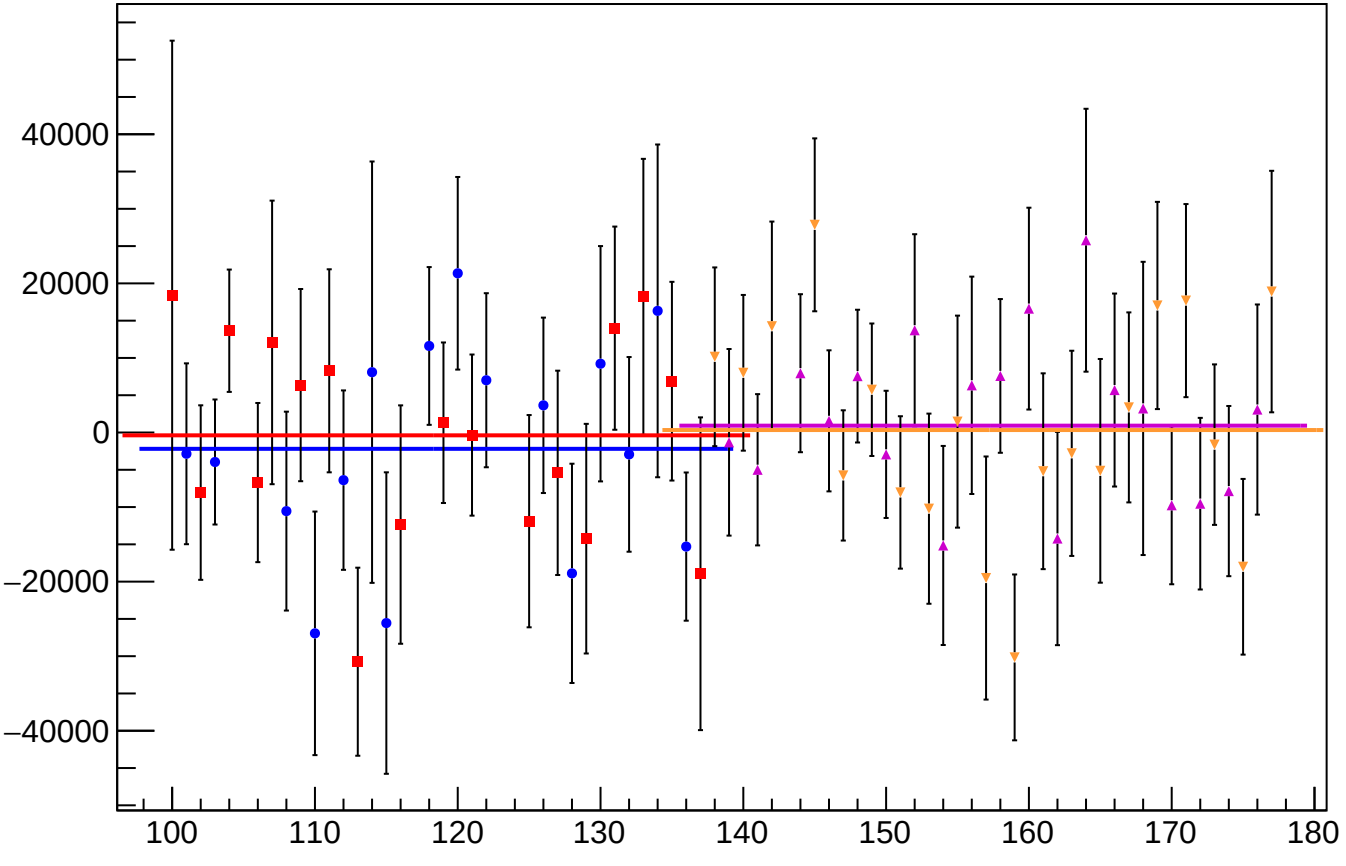
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2212.779+/-0.329 χ^2/NDF:260625.0/34

Out: 2198.473+/-0.325 χ^2/NDF:240124.6/37

All: 2205.532+/-0.231 χ^2/NDF: 501708.0/72

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 329.712+/-2678.260 χ^2/NDF:26.5/19

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: 917.433+/-2676.456 χ^2/NDF:11.6/18

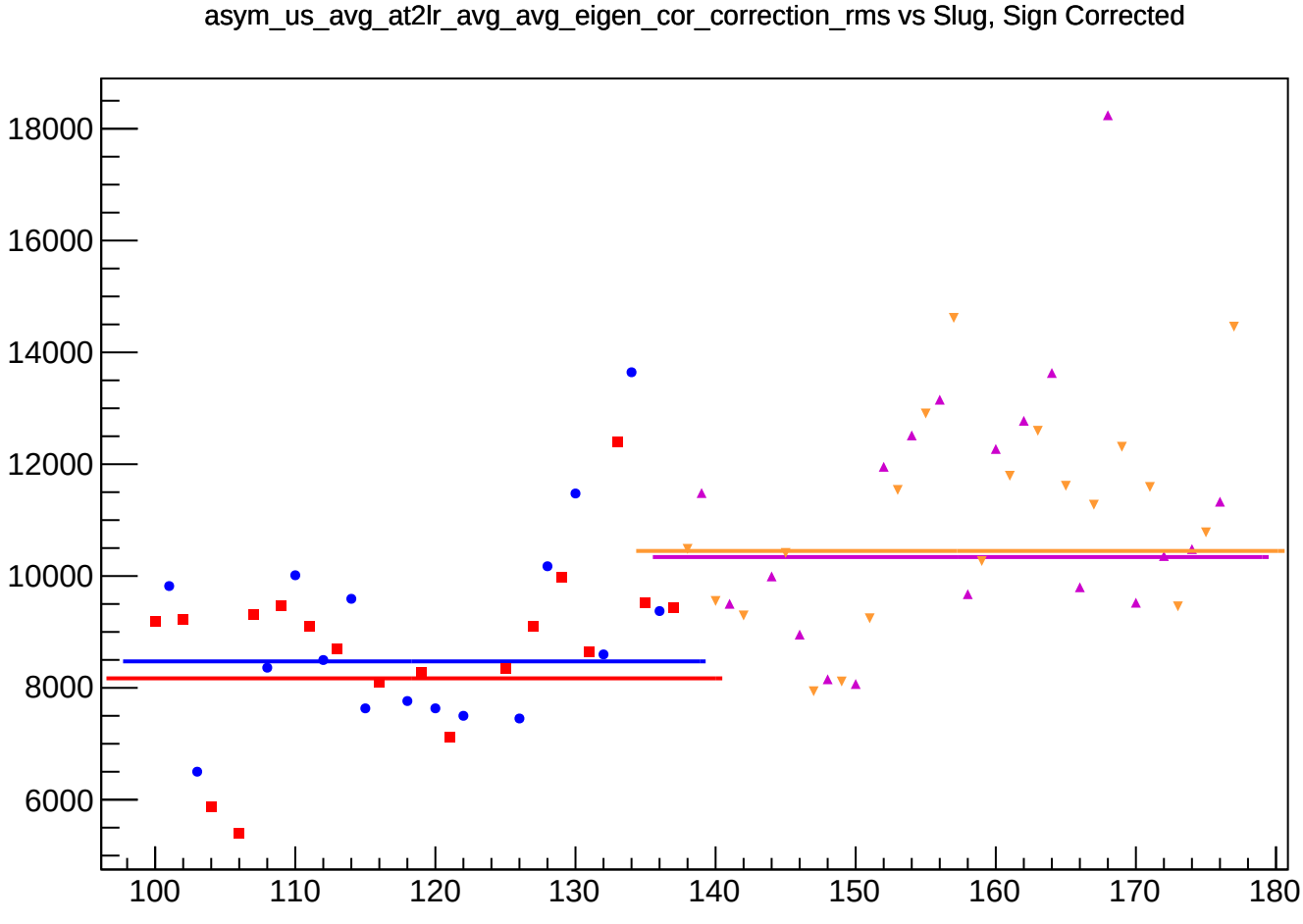
Left: 623.771+/-1893.178 χ^2/NDF: 38.1/38

Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -357.310+/-2055.264 χ^2/NDF:26.6/34

Out: 26.703+/-2026.636 χ^2/NDF:42.8/37

All: -162.610+/-1443.063 χ^2/NDF: 69.5/72



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10448.772+/-1.894 χ^2/NDF:848051.8/19

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10339.751+/-1.893 χ^2/NDF:1022188.2/18

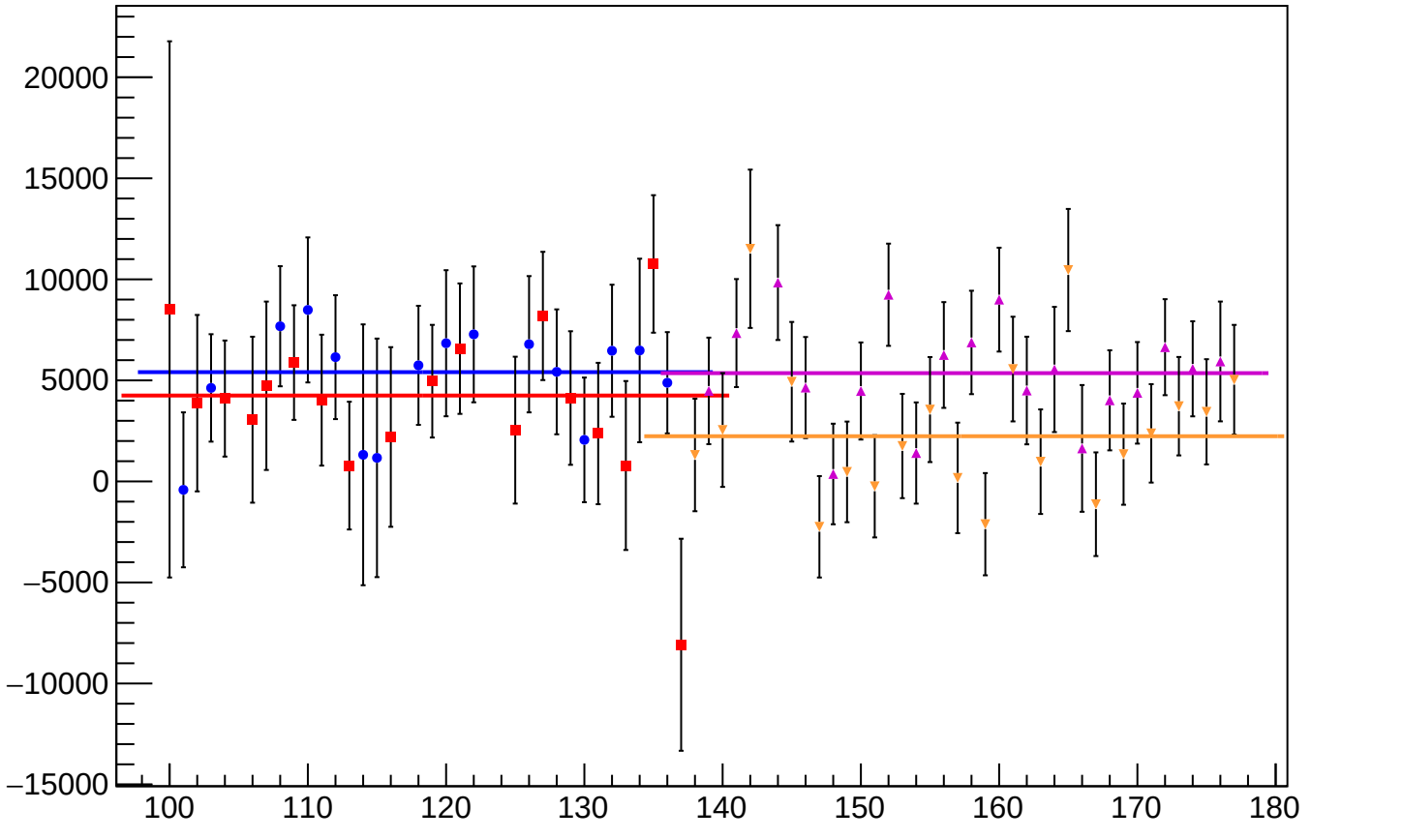
Left: 10394.225+/-1.339 χ^2/NDF: 1871898.1/38

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 9574.087+/-1.453 χ^2/NDF:1850632.9/34

Out: 9474.821+/-1.433 χ^2/NDF:2006787.8/37

All: 9523.758+/-1.020 χ^2/NDF: 3859786.1/72



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 2236.571+/-593.532 χ^2/NDF:27.8/19

Right Out: 4249.899+/-839.336 χ^2/NDF: 14.5/17

Left In: 5358.559+/-596.768 χ^2/NDF:17.0/18

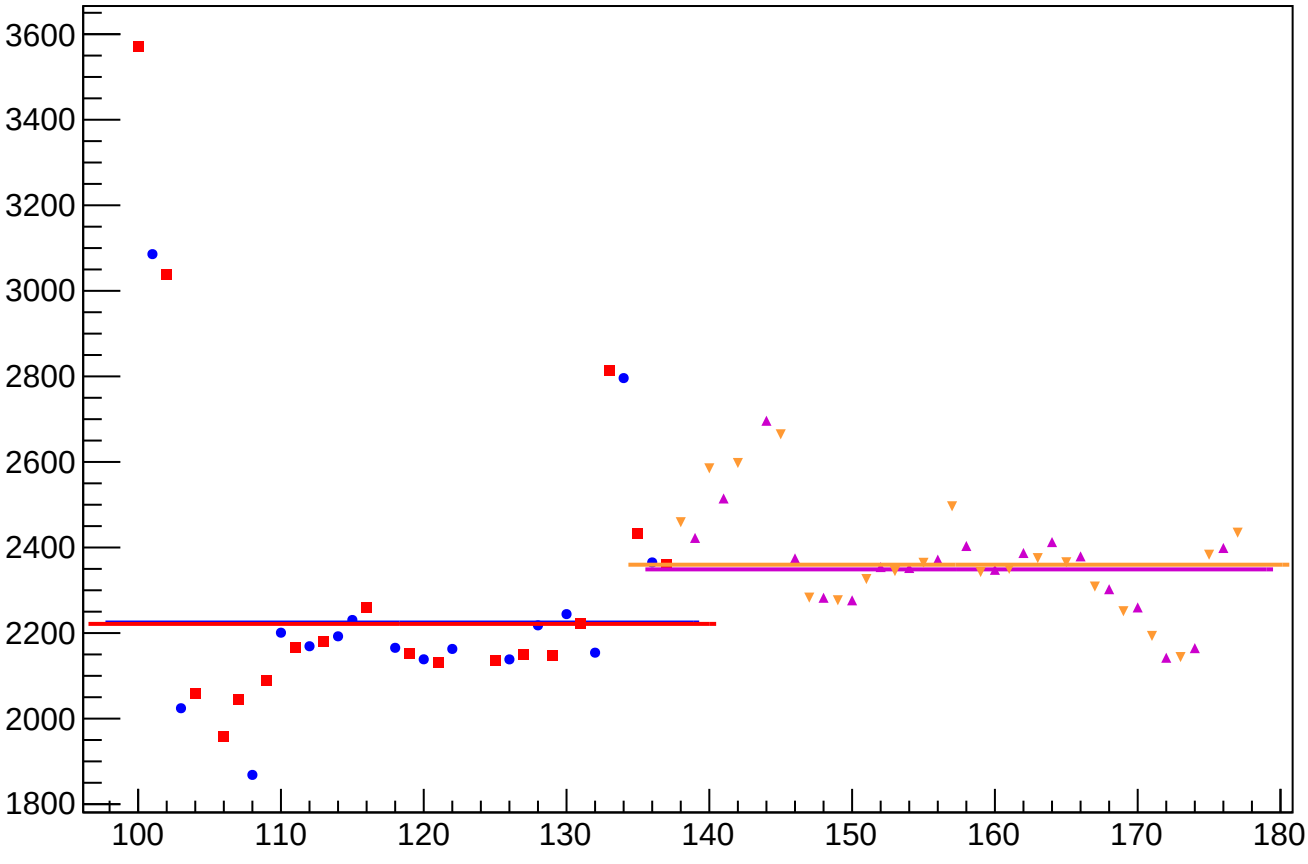
Left: 3789.078+/-420.830 χ^2/NDF: 58.6/38

Right: 4832.791+/-591.493 χ^2/NDF: 22.2/33

In: 5375.265+/-485.258 χ^2/NDF:23.7/34

Out: 2907.729+/-484.608 χ^2/NDF:46.1/37

All: 4139.842+/-342.899 χ^2/NDF: 82.8/72



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2359.811+/-0.420 χ^2/NDF:84959.7/19

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2348.862+/-0.422 χ^2/NDF:76256.1/18

Left: 2354.366+/-0.298 χ^2/NDF: 161554.2/38

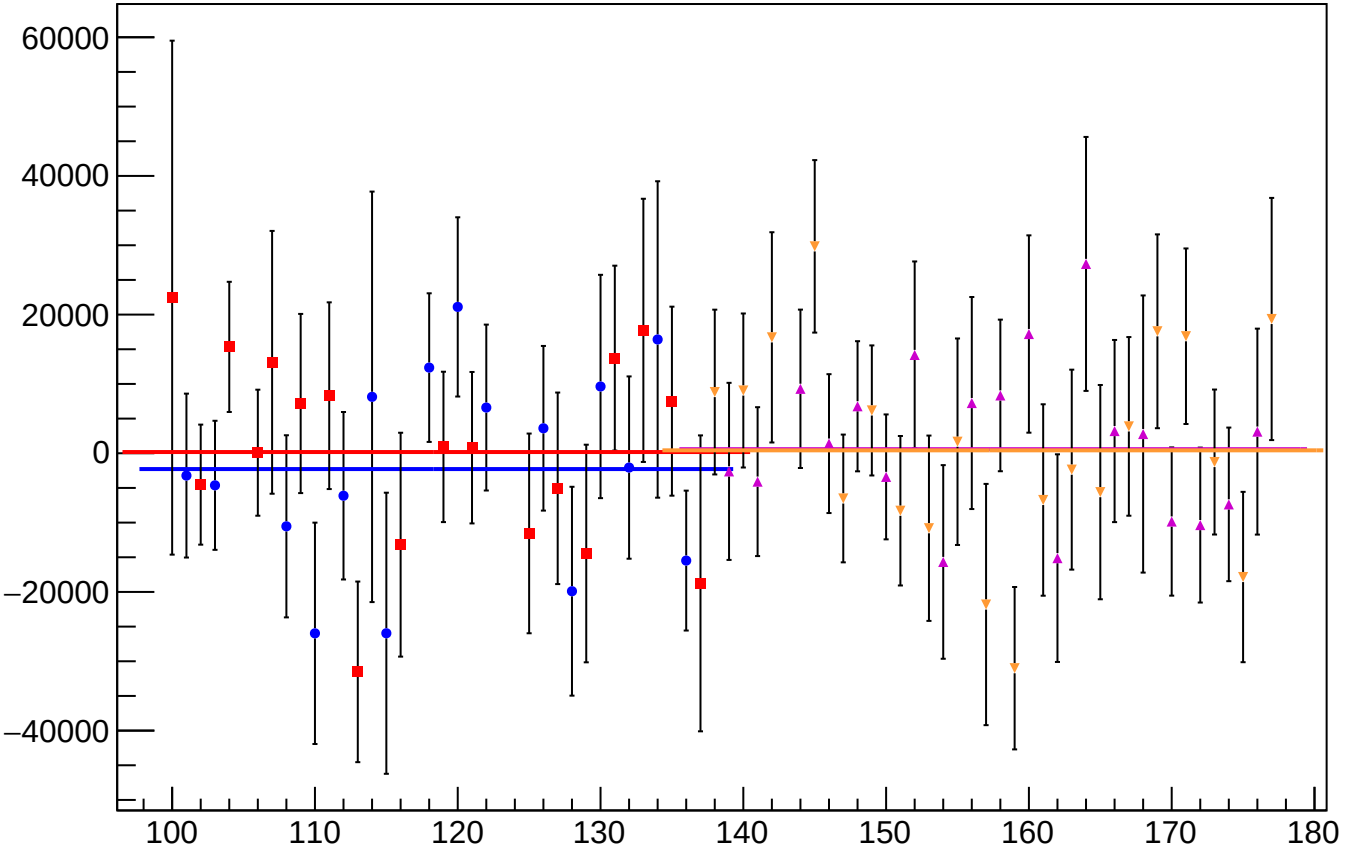
Right: 2223.029+/-0.418 χ^2/NDF: 354638.7/33

In: 2306.767+/-0.343 χ^2/NDF:290308.3/34

Out: 2313.641+/-0.343 χ^2/NDF:291177.7/37

All: 2310.210+/-0.242 χ^2/NDF: 581687.0/72

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: 422.932+/-2782.745 χ^2/NDF:26.1/19

Right Out: 177.024+/-3035.355 χ^2/NDF: 15.6/17

Left In: 590.032+/-2778.720 χ^2/NDF:11.6/18

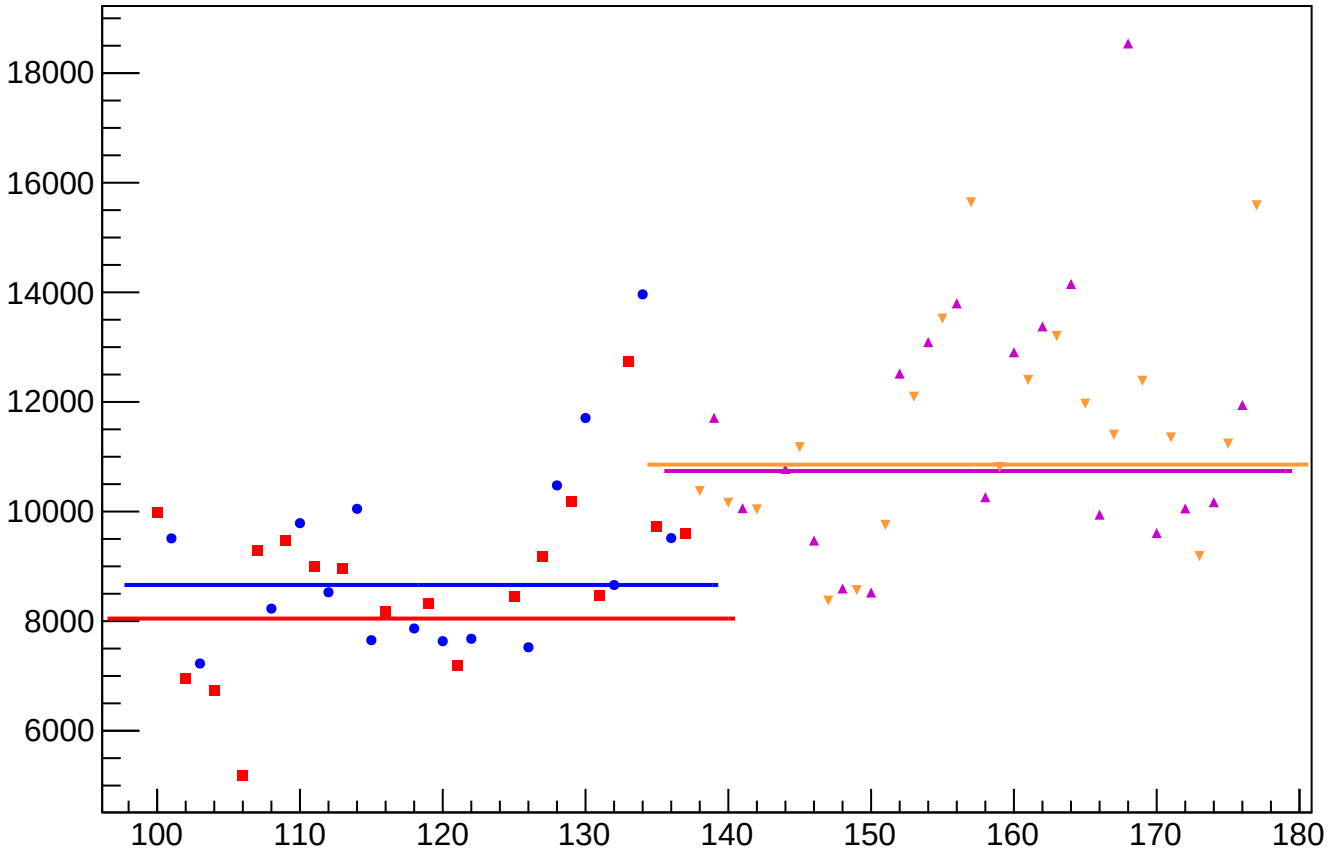
Left: 506.603+/-1966.273 χ^2/NDF: 37.8/38

Right: -958.805+/-2225.203 χ^2/NDF: 30.4/33

In: -612.004+/-2117.940 χ^2/NDF:26.6/34

Out: 310.635+/-2051.199 χ^2/NDF:41.8/37

All: -135.919+/-1473.447 χ^2/NDF: 68.5/72



Right In: 8660.733+/-2.313 χ^2/NDF: 357961.9/15

Left Out: 10857.631+/-1.968 χ^2/NDF:854667.1/19

Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10739.886+/-1.965 χ^2/NDF:990745.9/18

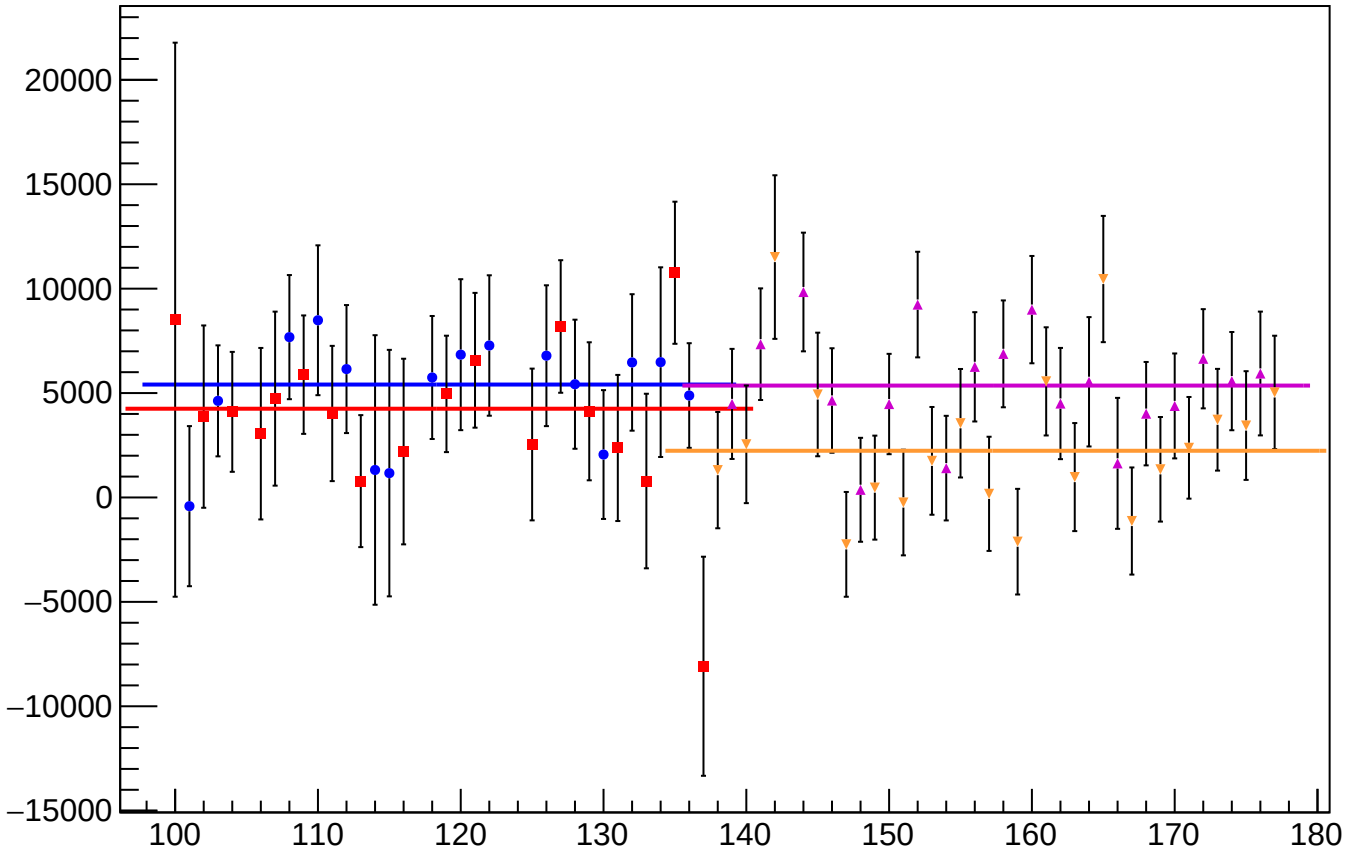
Left: 10798.673+/-1.390 χ^2/NDF: 1847205.9/38

Right: 8331.143+/-1.573 χ^2/NDF: 954287.2/33

In: 9868.614+/-1.498 χ^2/NDF:1817932.3/34

Out: 9574.328+/-1.450 χ^2/NDF:2344645.8/37

All: 9716.761+/-1.042 χ^2/NDF: 4182503.1/72



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 2236.560+/-593.533 χ^2/NDF:27.8/19

Right Out: 4249.903+/-839.335 χ^2/NDF: 14.5/17

Left In: 5358.564+/-596.769 χ^2/NDF:17.0/18

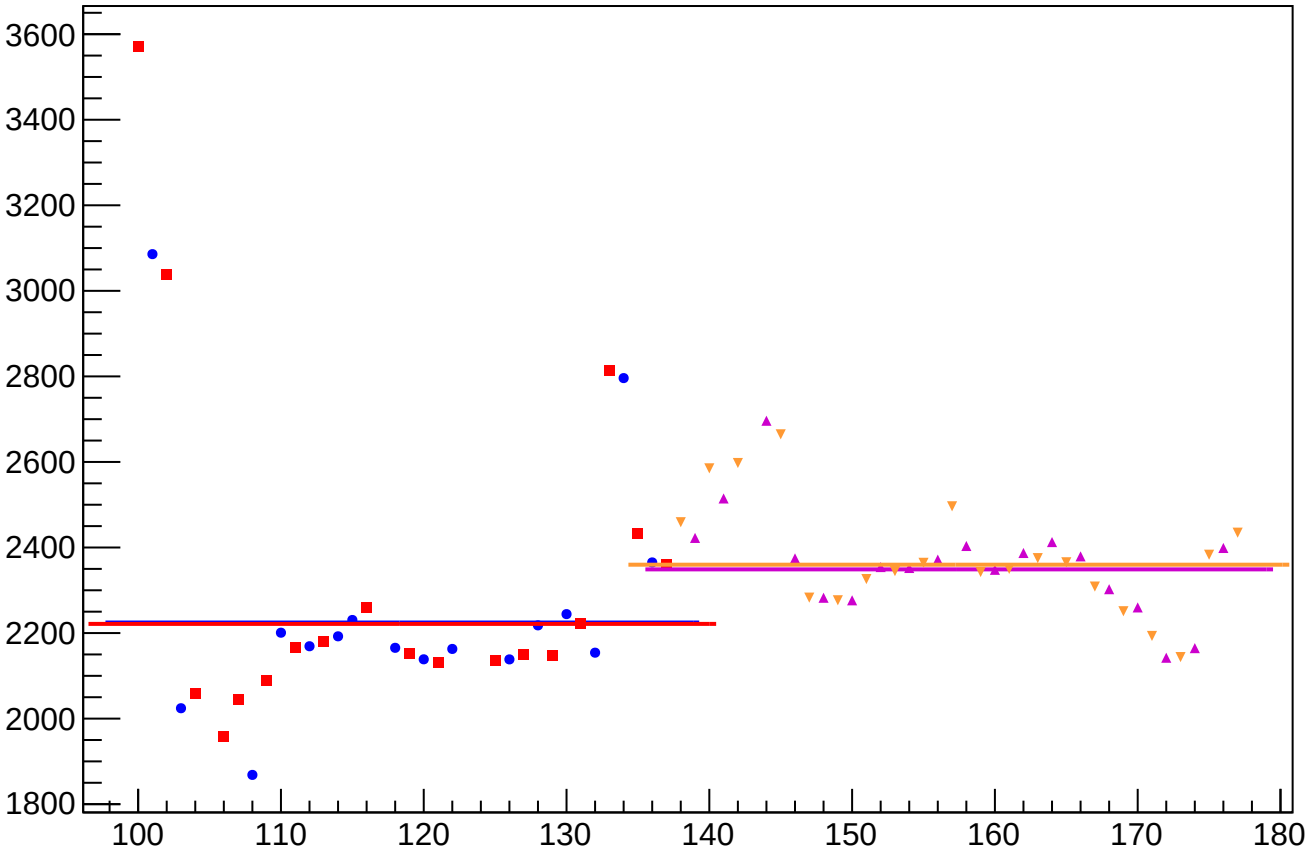
Left: 3789.075+/-420.830 χ^2/NDF: 58.6/38

Right: 4832.794+/-591.493 χ^2/NDF: 22.2/33

In: 5375.268+/-485.259 χ^2/NDF:23.7/34

Out: 2907.725+/-484.609 χ^2/NDF:46.1/37

All: 4139.842+/-342.900 χ^2/NDF: 82.8/72



Right In: 2224.613+/-0.590 χ^2/NDF: 184680.1/15

Left Out: 2359.814+/-0.420 χ^2/NDF:84963.2/19

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2348.865+/-0.422 χ^2/NDF:76258.8/18

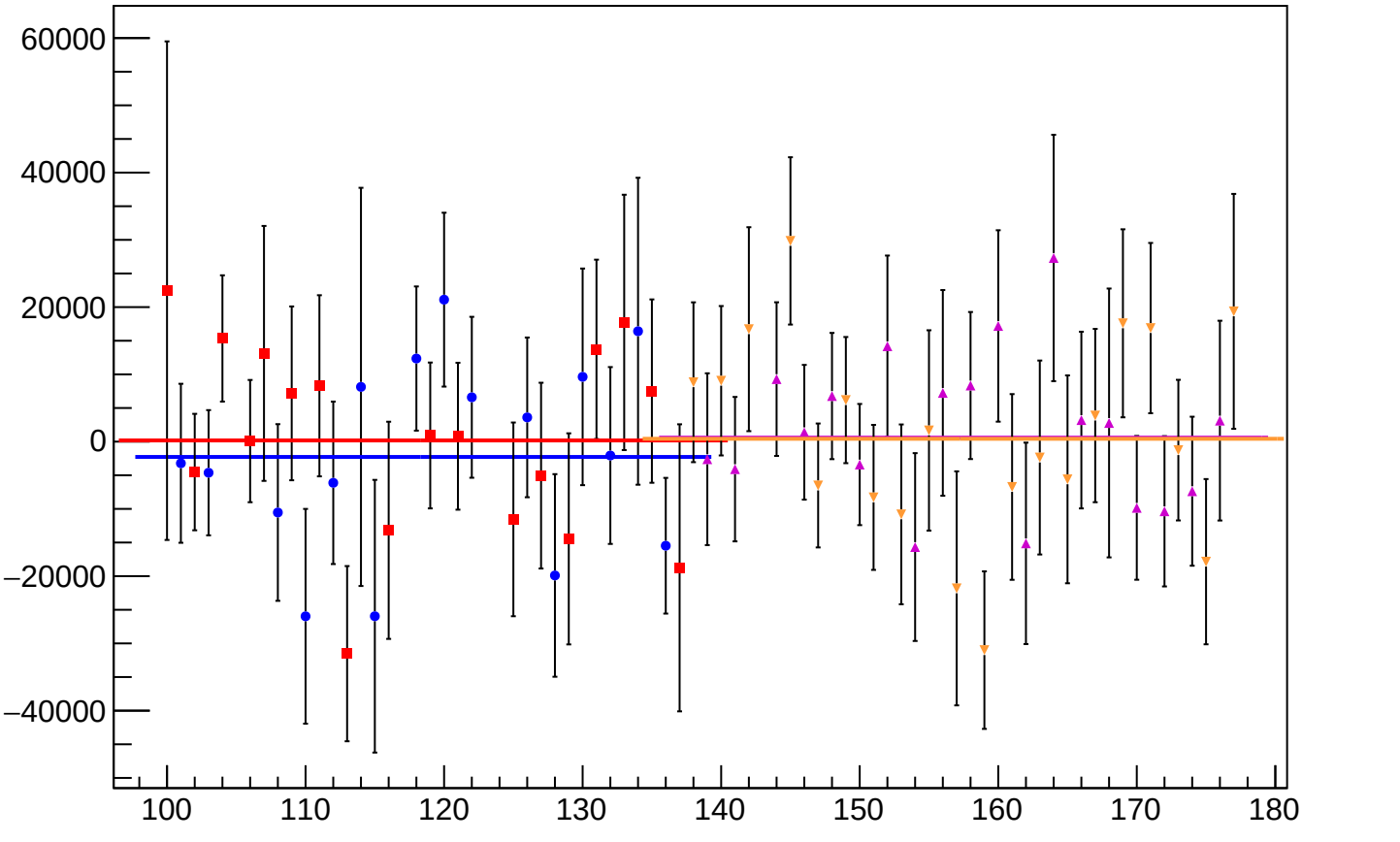
Left: 2354.369+/-0.298 χ^2/NDF: 161560.5/38

Right: 2223.029+/-0.418 χ^2/NDF: 354639.0/33

In: 2306.769+/-0.343 χ^2/NDF:290312.8/34

Out: 2313.643+/-0.343 χ^2/NDF:291183.1/37

All: 2310.211+/-0.242 χ^2/NDF: 581696.8/72



Right In: -2278.418+/-3271.742 χ^2/NDF: 14.5/15

Left Out: 422.925+/-2782.750 χ^2/NDF:26.1/19

Right Out: 177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: 590.032+/-2778.724 χ^2/NDF:11.6/18

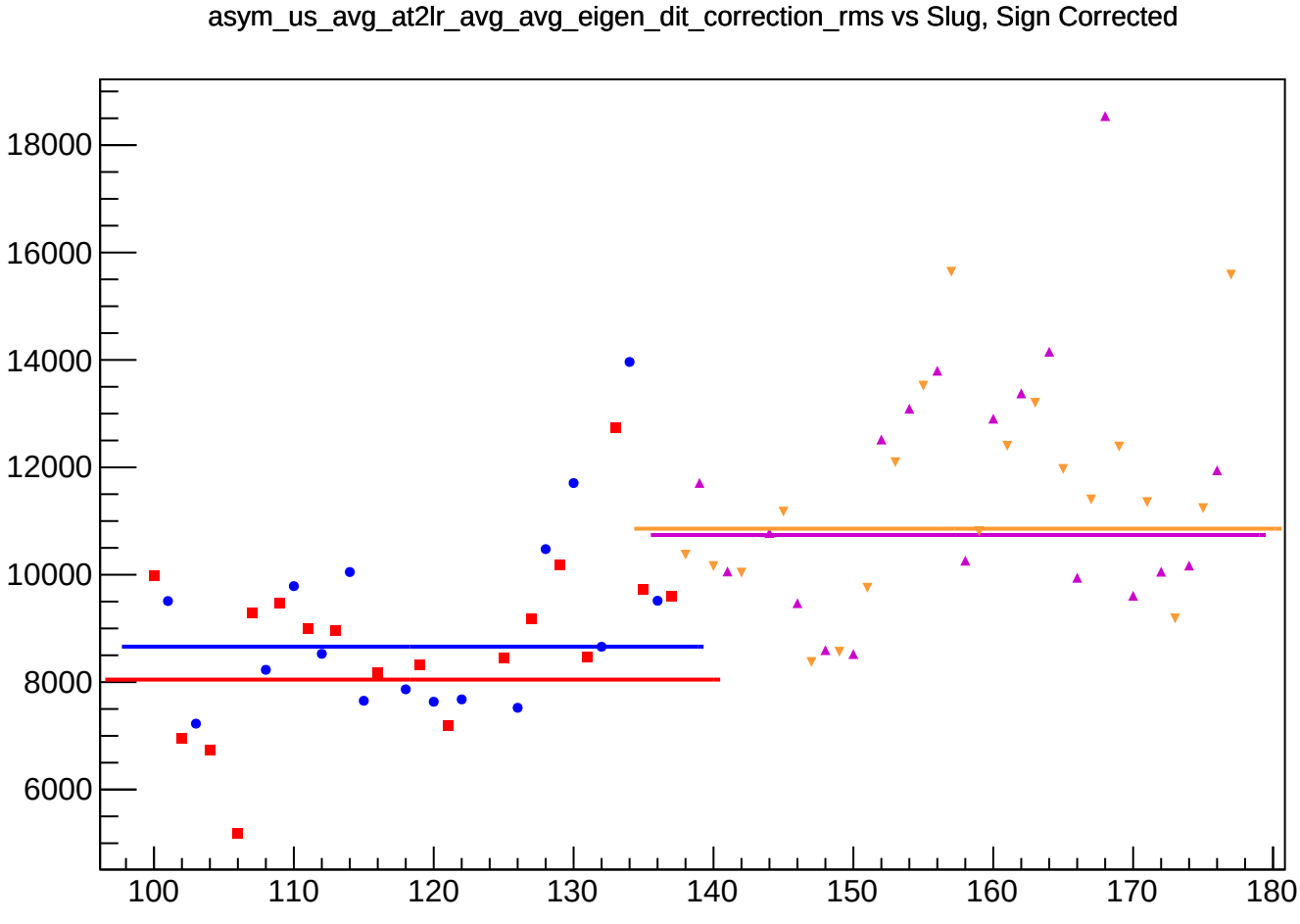
Left: 506.600+/-1966.276 χ^2/NDF: 37.8/38

Right: -958.792+/-2225.198 χ^2/NDF: 30.4/33

In: -612.001+/-2117.940 χ^2/NDF:26.6/34

Out: 310.633+/-2051.199 χ^2/NDF:41.8/37

All: -135.918+/-1473.446 χ^2/NDF: 68.5/72



Right In: 8660.711+/-2.313 χ^2/NDF: 357964.1/15

Left Out: 10857.649+/-1.968 χ^2/NDF:854668.5/19

Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

Left In: 10739.902+/-1.965 χ^2/NDF:990747.7/18

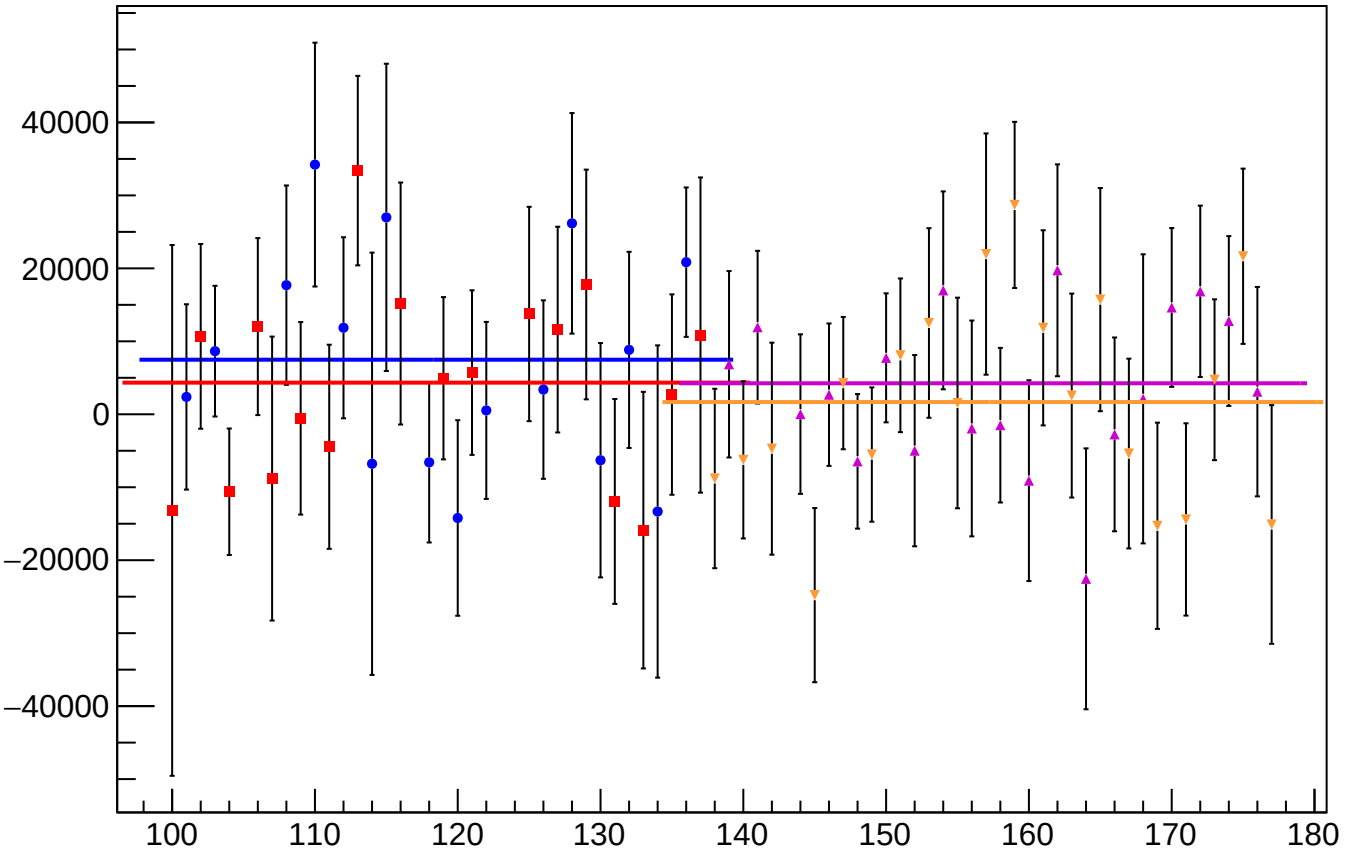
Left: 10798.690+/-1.390 χ^2/NDF: 1847209.3/38

Right: 8331.123+/-1.573 χ^2/NDF: 954287.4/33

In: 9868.611+/-1.498 χ^2/NDF:1817954.1/34

Out: 9574.324+/-1.450 χ^2/NDF:2344670.0/37

All: 9716.757+/-1.042 χ^2/NDF: 4182549.1/72



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: 1677.234+/-2746.059 χ^2/NDF:23.8/19

Right Out: 4338.165+/-3242.620 χ^2/NDF: 14.3/17

Left In: 4248.277+/-2745.026 χ^2/NDF:11.3/18

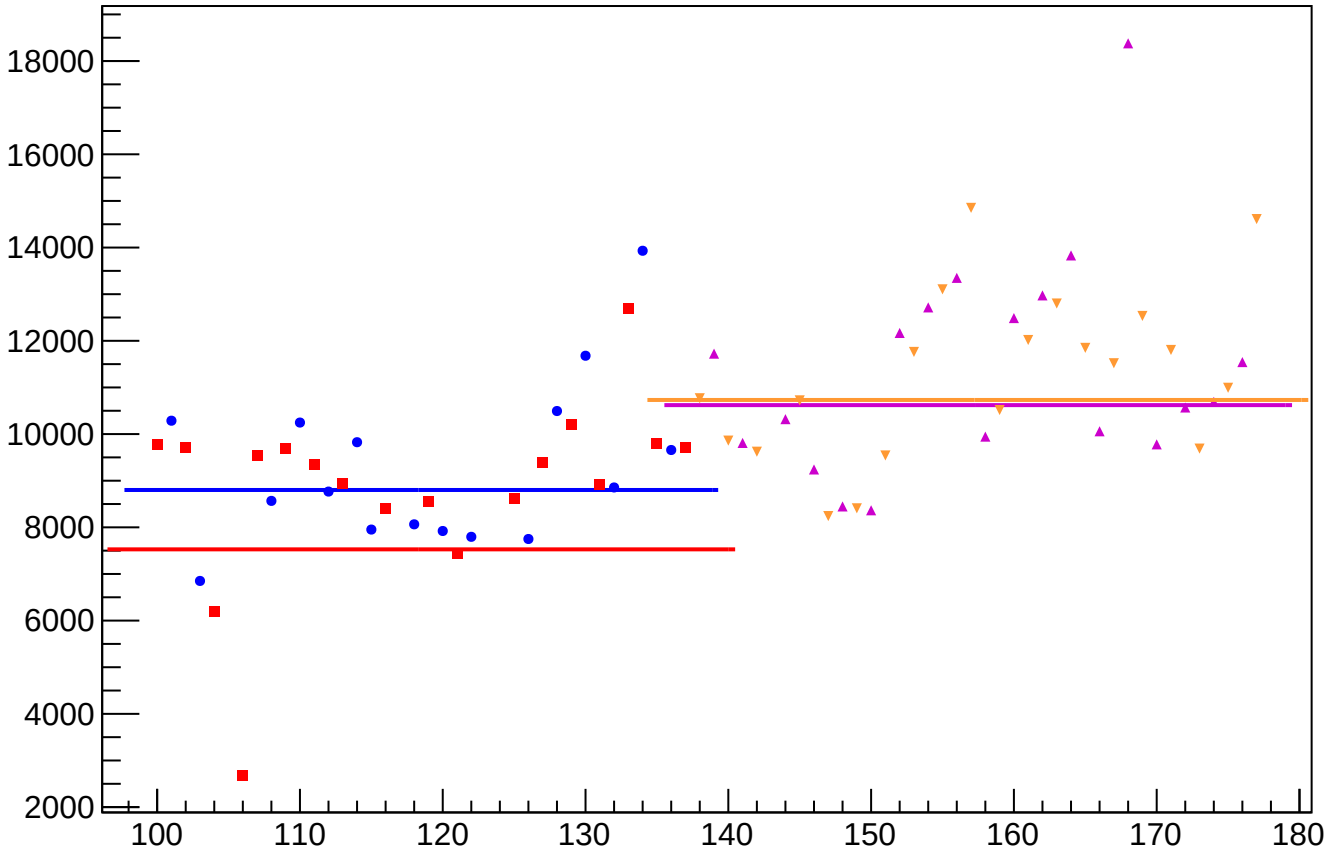
Left: 2963.239+/-1941.392 χ^2/NDF: 35.6/38

Right: 5867.751+/-2323.467 χ^2/NDF: 28.8/33

In: 5556.097+/-2118.369 χ^2/NDF:25.9/34

Out: 2788.571+/-2095.570 χ^2/NDF:38.5/37

All: 4157.361+/-1489.787 χ^2/NDF: 65.3/72



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 10731.587+/-1.942 χ^2/NDF:777406.7/19

Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 10621.048+/-1.941 χ^2/NDF:945922.3/18

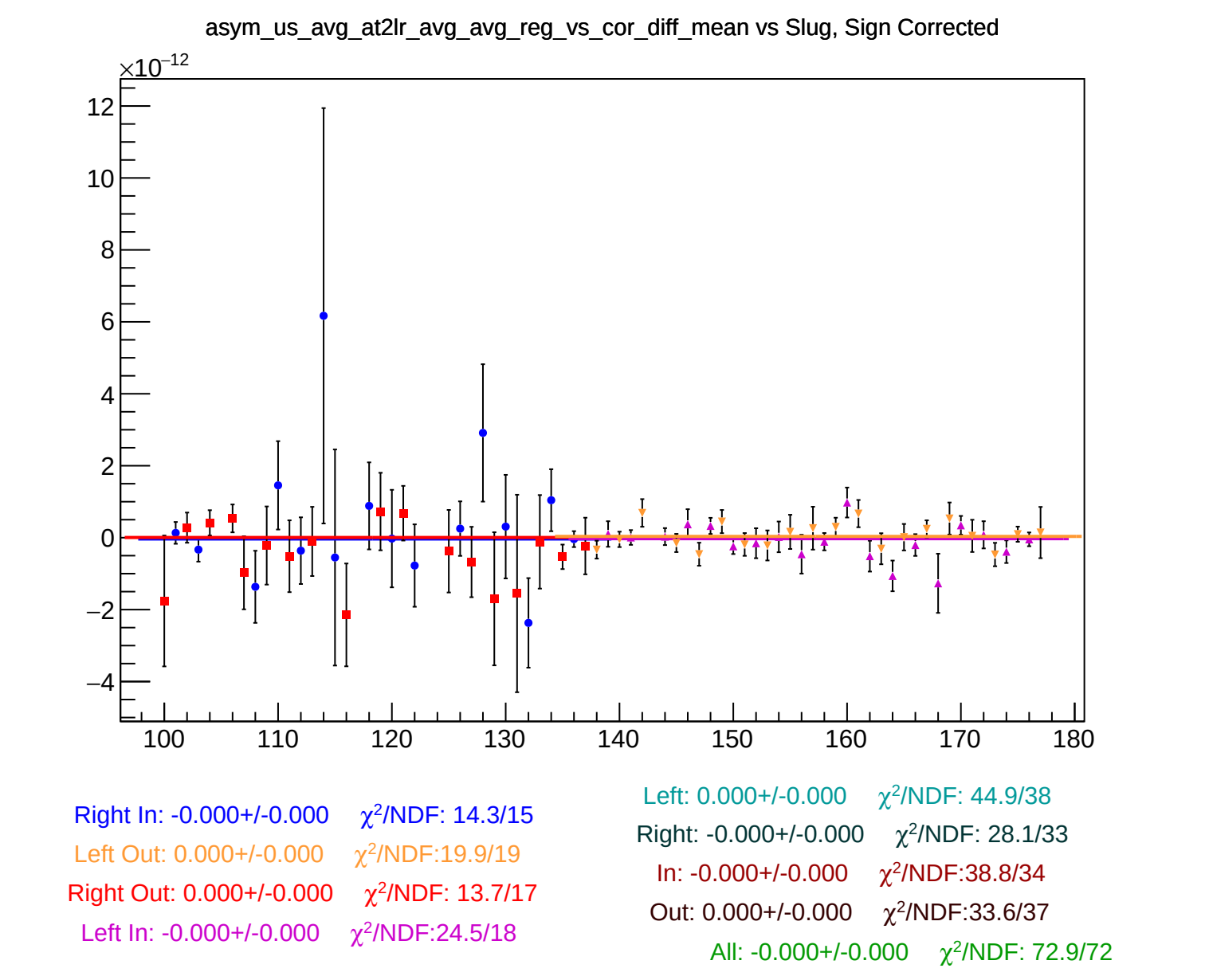
Left: 10676.296+/-1.373 χ^2/NDF: 1724950.0/38

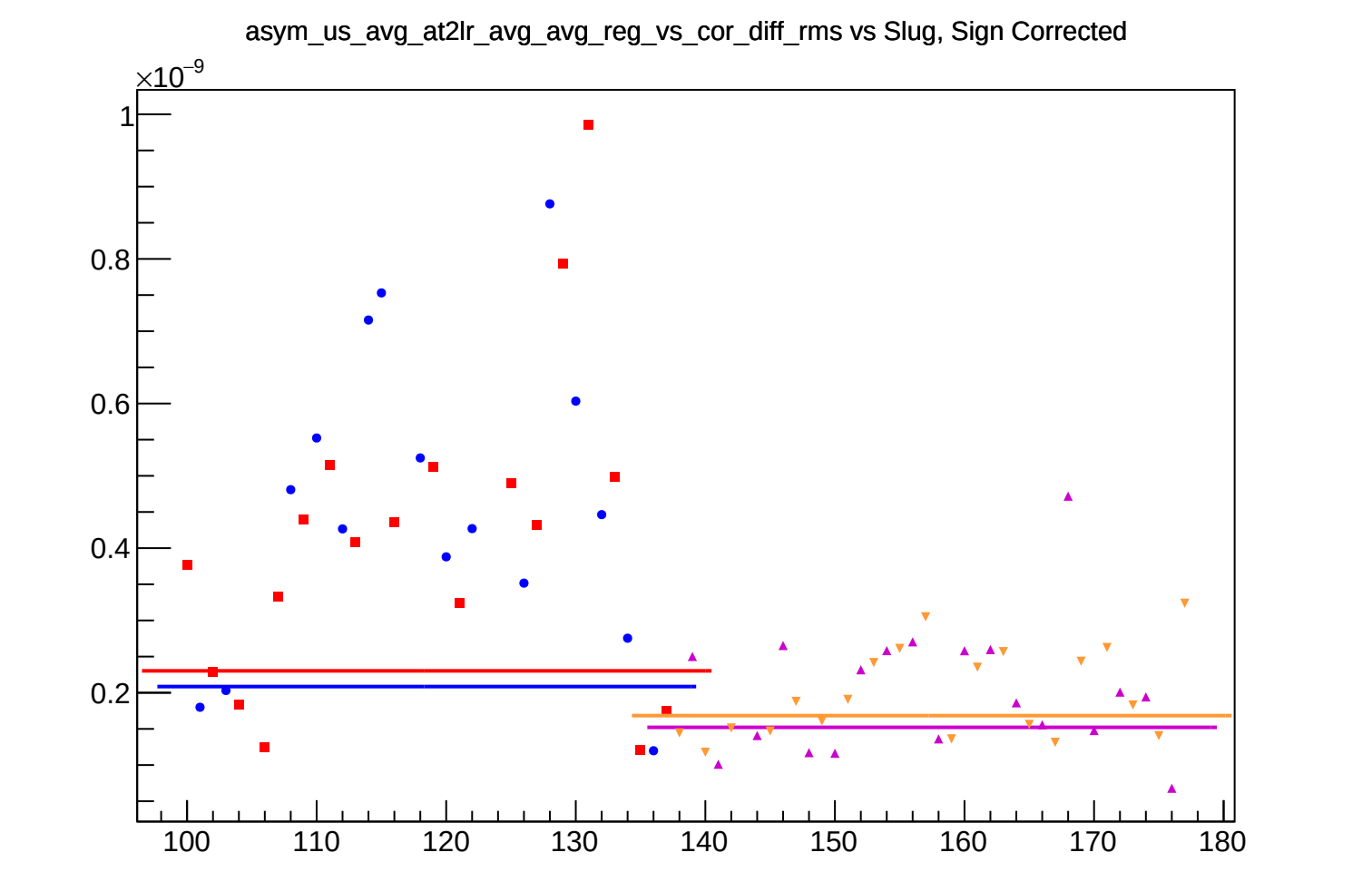
Right: 8100.150+/-1.579 χ^2/NDF: 2212756.1/33

In: 9884.930+/-1.498 χ^2/NDF:1696087.2/34

Out: 9276.243+/-1.434 χ^2/NDF:3671333.6/37

All: 9567.423+/-1.036 χ^2/NDF: 5453555.4/72


asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
12
10
8
6
4
2
0
−2
−4
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 14.3/15
Left Out: 0.000+/-0.000 χ²/NDF:19.9/19
Right Out: 0.000+/-0.000 χ²/NDF: 13.7/17
Left In: -0.000+/-0.000 χ²/NDF:24.5/18
Left: 0.000+/-0.000 χ²/NDF: 44.9/38
Right: -0.000+/-0.000 χ²/NDF: 28.1/33
In: -0.000+/-0.000 χ²/NDF:38.8/34
Out: 0.000+/-0.000 χ²/NDF:33.6/37
All: -0.000+/-0.000 χ²/NDF: 72.9/72



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:918813.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1860677.6/18

Left: 0.000+/-0.000 χ^2/NDF: 2834292.0/38

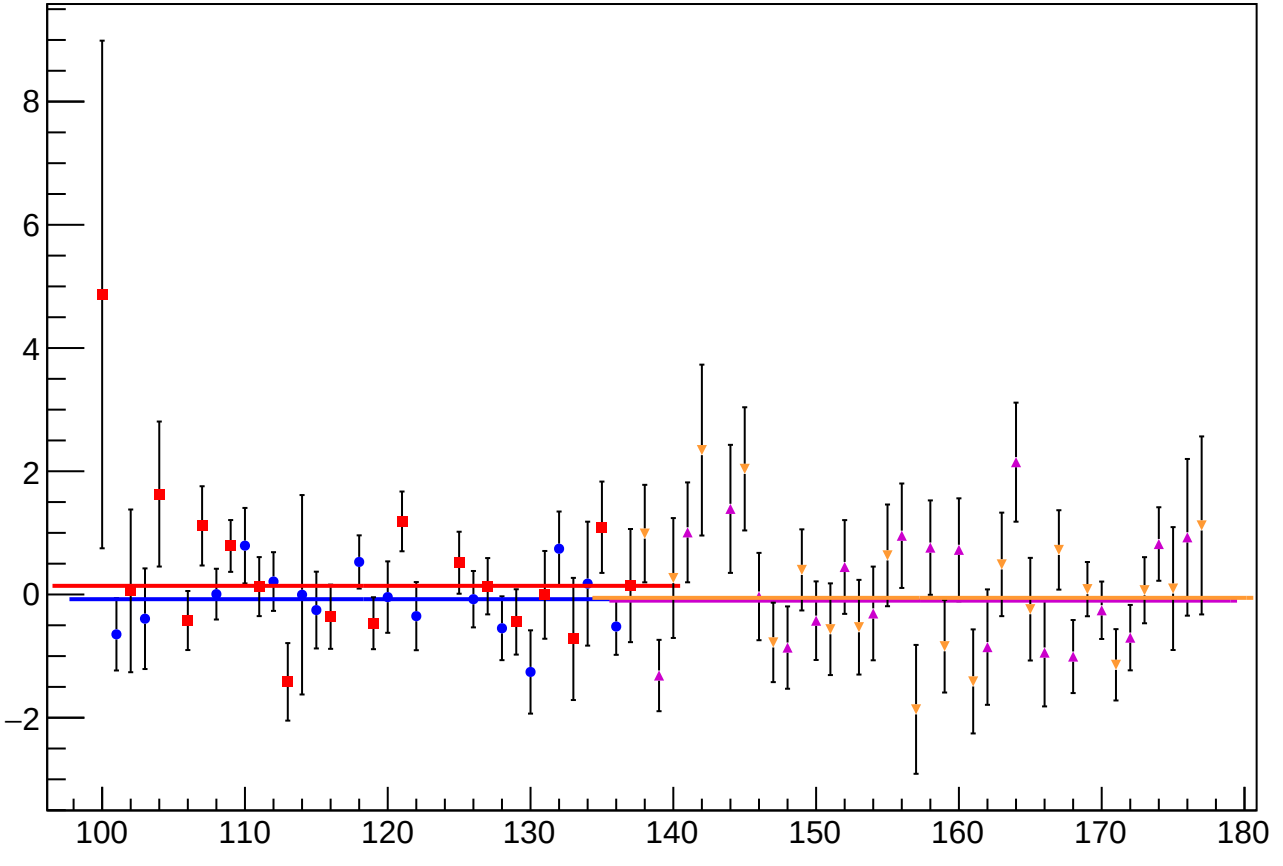
Right: 0.000+/-0.000 χ^2/NDF: 3215206.8/33

In: 0.000+/-0.000 χ^2/NDF:3750626.9/34

Out: 0.000+/-0.000 χ^2/NDF:2740326.6/37

All: 0.000+/-0.000 χ^2/NDF: 6557658.1/72

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: -0.055+/-0.166 χ^2/NDF:25.5/19

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.100+/-0.162 χ^2/NDF:28.0/18

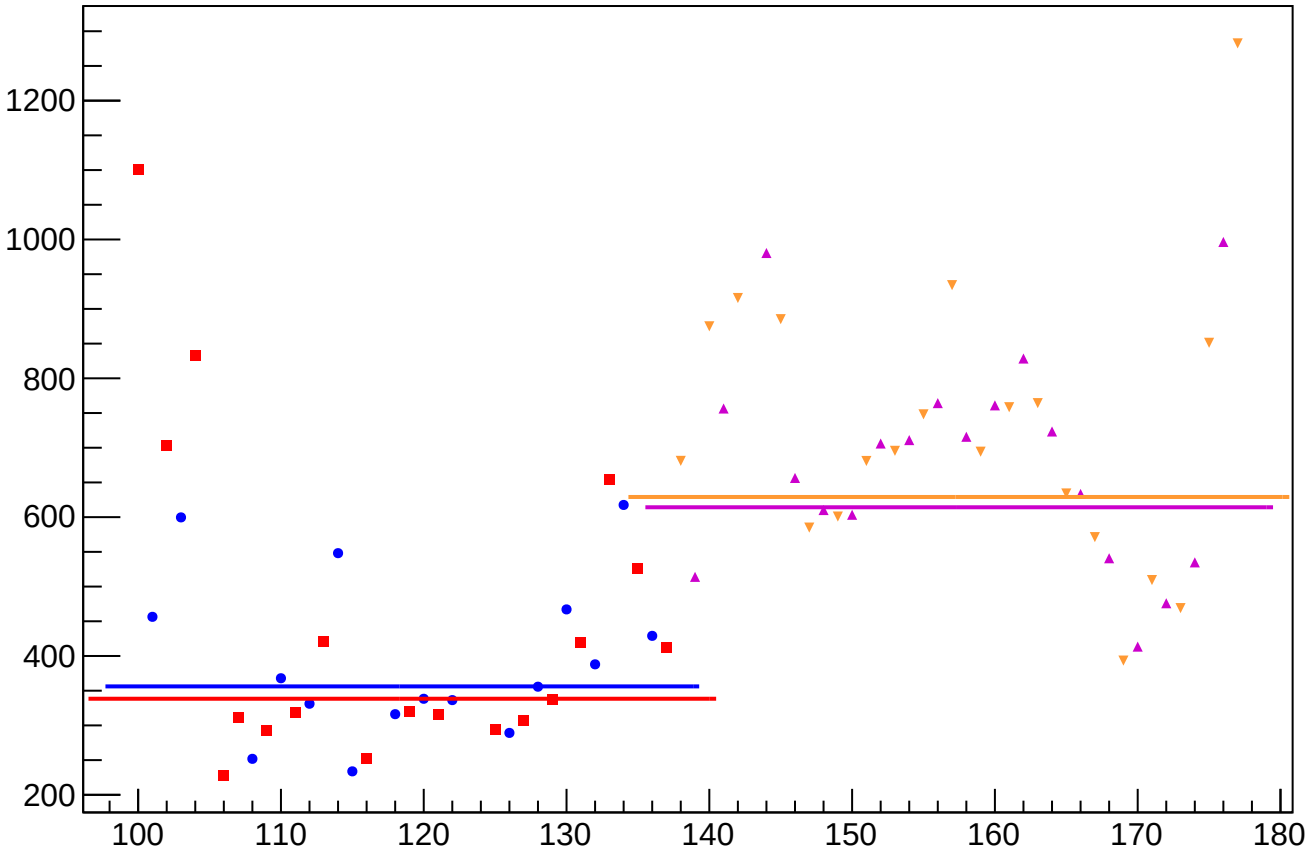
Left: -0.078+/-0.116 χ^2/NDF: 53.5/38

Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.087+/-0.106 χ^2/NDF:40.5/34

Out: 0.061+/-0.106 χ^2/NDF:53.3/37

All: -0.013+/-0.075 χ^2/NDF: 94.8/72



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 629.062+/-0.117 χ^2/NDF:2077877.8/19

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 614.233+/-0.115 χ^2/NDF:1483496.8/18

Left: 621.474+/-0.082 χ^2/NDF: 3569547.2/38

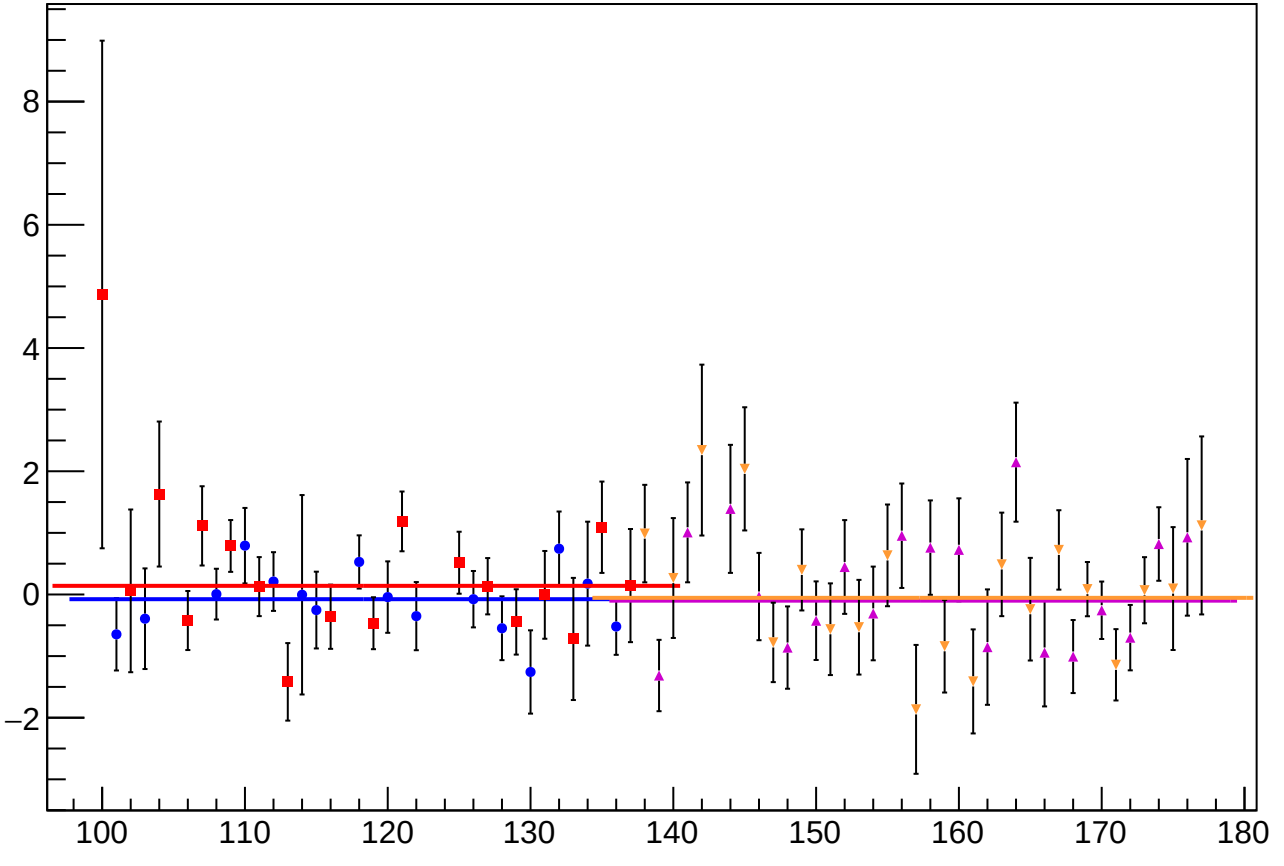
Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 466.335+/-0.075 χ^2/NDF:5172958.6/34

Out: 457.207+/-0.075 χ^2/NDF:6908848.9/37

All: 461.779+/-0.053 χ^2/NDF: 12089222.9/72

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: -0.055+/-0.166 χ^2/NDF:25.5/19

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.100+/-0.162 χ^2/NDF:28.0/18

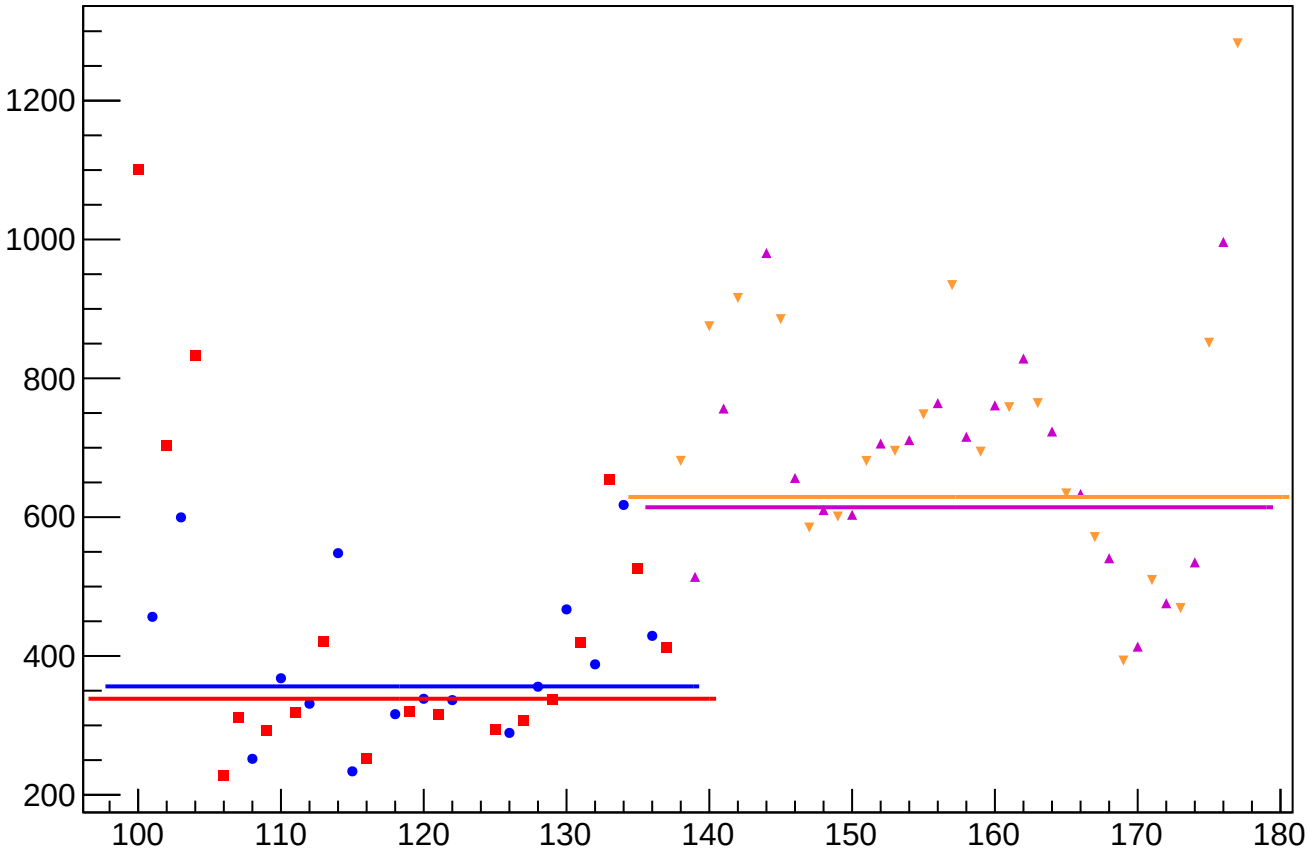
Left: -0.078+/-0.116 χ^2/NDF: 53.5/38

Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.087+/-0.106 χ^2/NDF:40.5/34

Out: 0.061+/-0.106 χ^2/NDF:53.3/37

All: -0.013+/-0.075 χ^2/NDF: 94.8/72



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 629.062+/-0.117 χ^2/NDF:2077877.8/19

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 614.233+/-0.115 χ^2/NDF:1483496.8/18

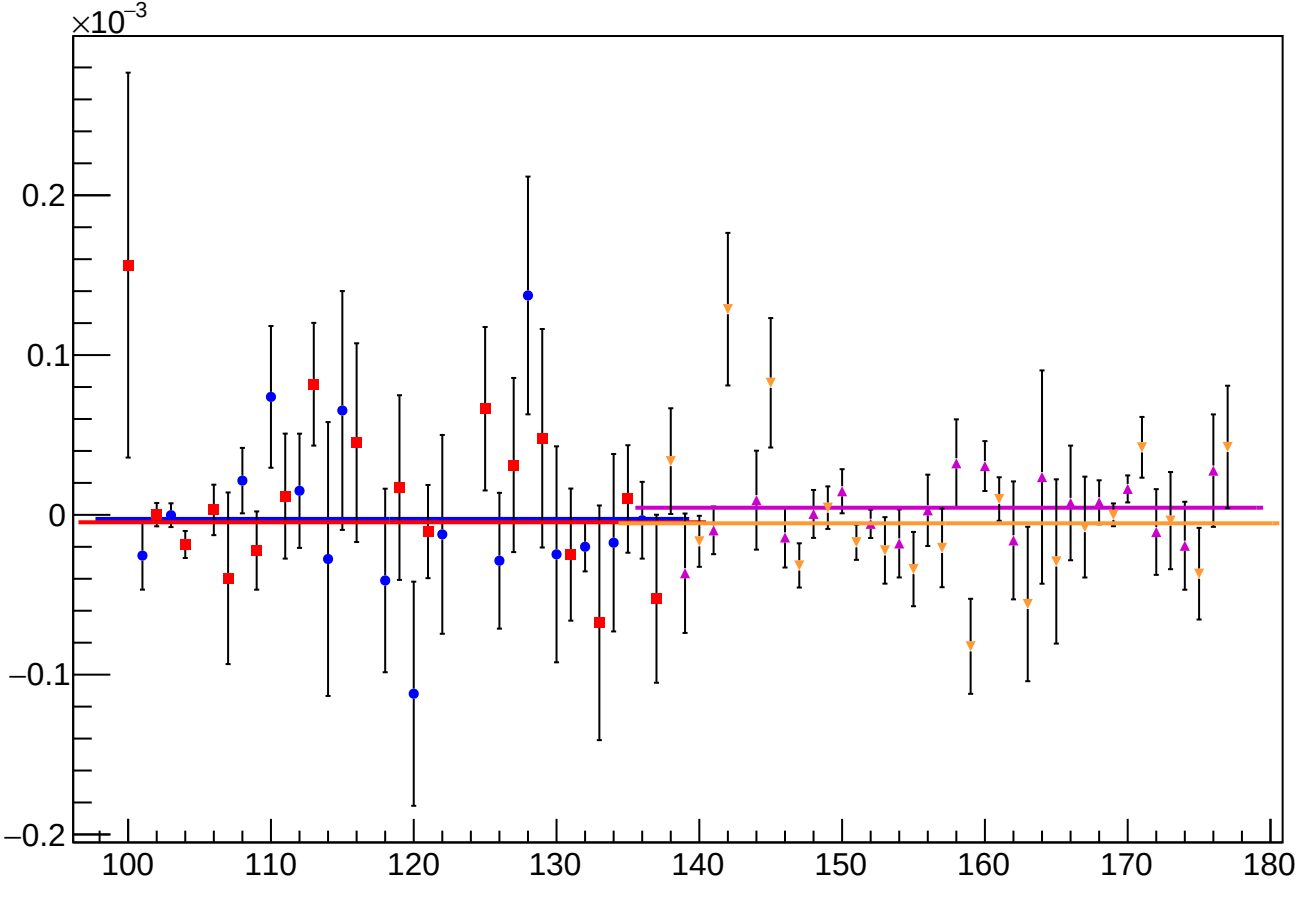
Left: 621.474+/-0.082 χ^2/NDF: 3569547.2/38

Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 466.335+/-0.075 χ^2/NDF:5172958.6/34

Out: 457.207+/-0.075 χ^2/NDF:6908848.9/37

All: 461.779+/-0.053 χ^2/NDF: 12089222.9/72



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:41.2/19

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/17

Left In: 0.000+/-0.000 χ^2/NDF:13.8/18

Left: -0.000+/-0.000 χ^2/NDF: 58.1/38

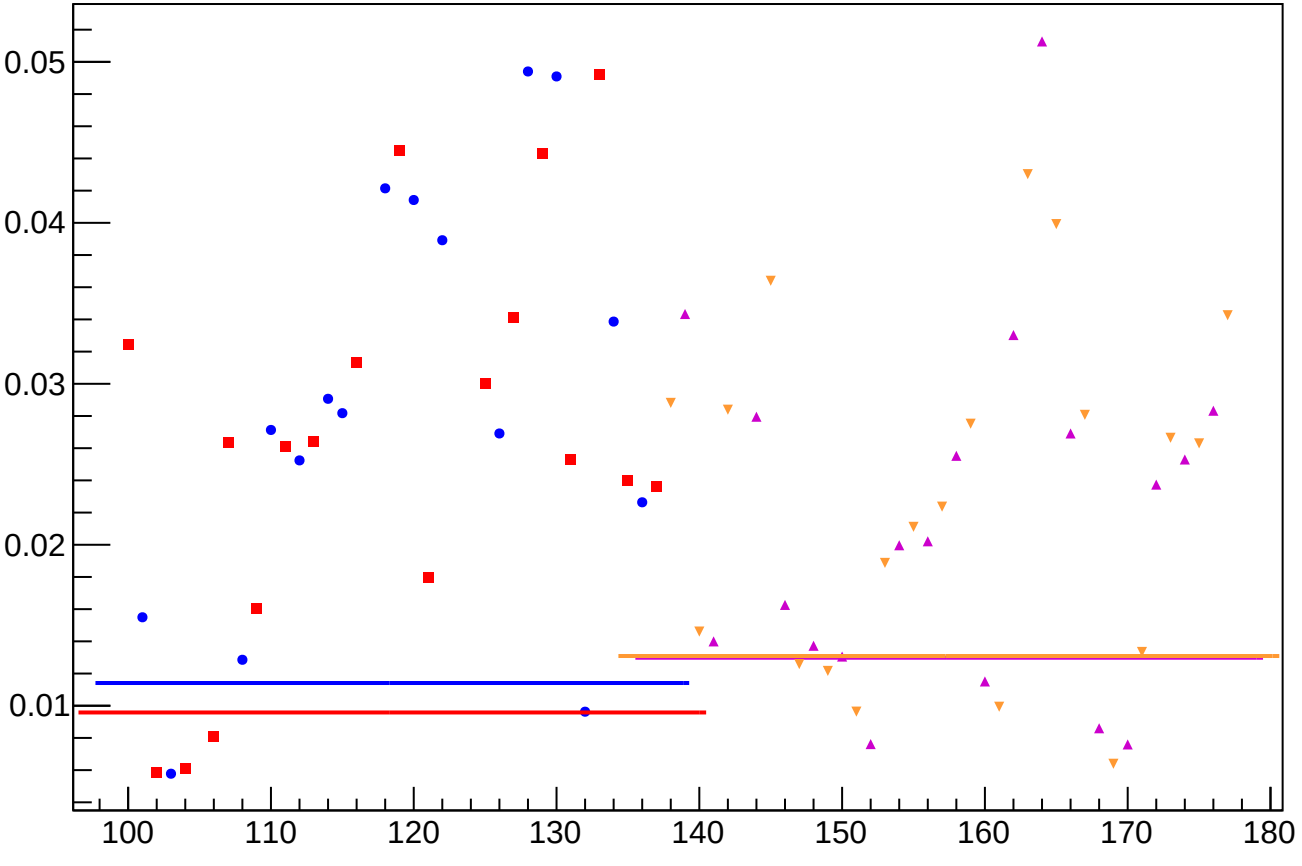
Right: -0.000+/-0.000 χ^2/NDF: 32.2/33

In: 0.000+/-0.000 χ^2/NDF:29.9/34

Out: -0.000+/-0.000 χ^2/NDF:58.3/37

All: -0.000+/-0.000 χ^2/NDF: 90.9/72

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 5500651.2/15

Left Out: 0.013+/-0.000 χ^2/NDF:7760915.0/19

Right Out: 0.010+/-0.000 χ^2/NDF: 5787700.4/17

Left In: 0.013+/-0.000 χ^2/NDF:6453318.9/18

Left: 0.013+/-0.000 χ^2/NDF: 14214968.2/38

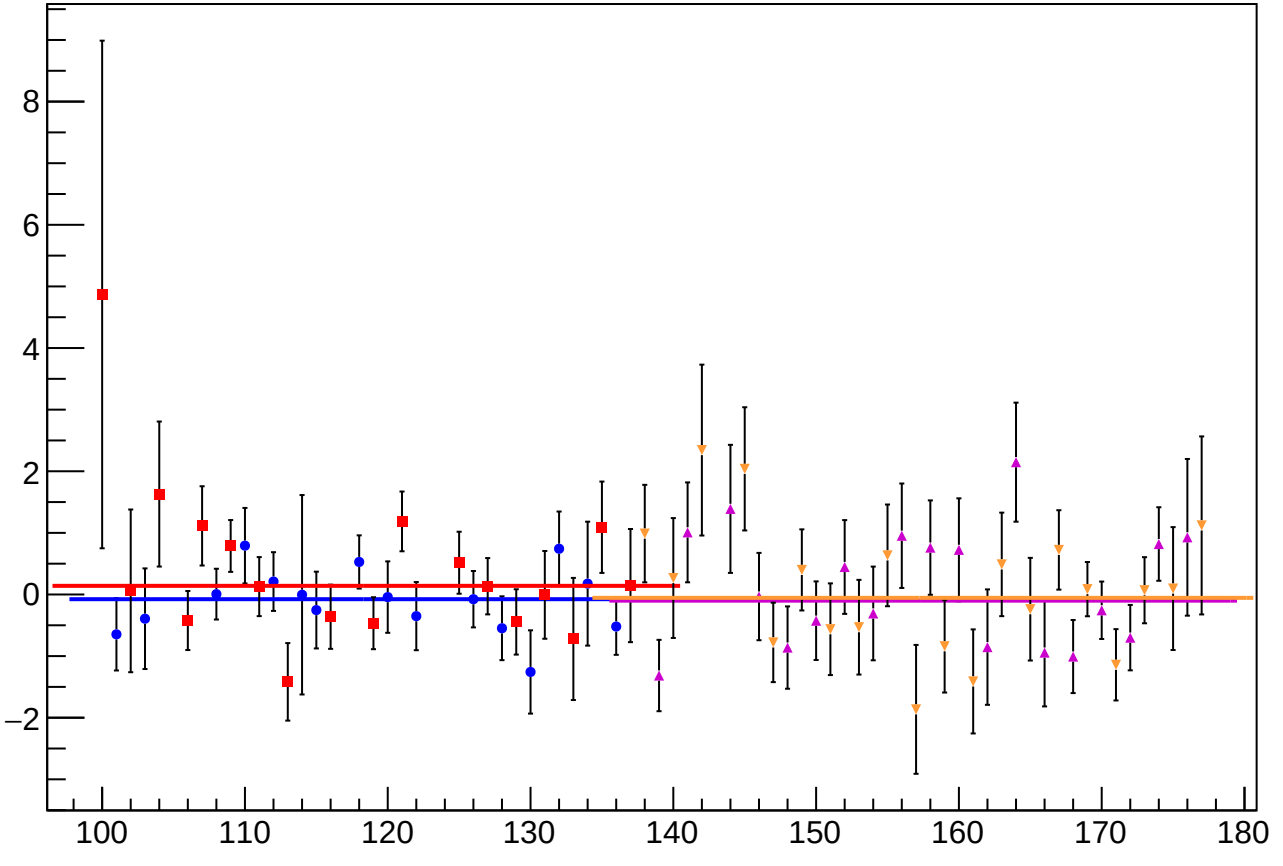
Right: 0.010+/-0.000 χ^2/NDF: 11414181.9/33

In: 0.012+/-0.000 χ^2/NDF:12060753.4/34

Out: 0.012+/-0.000 χ^2/NDF:14199401.7/37

All: 0.012+/-0.000 χ^2/NDF: 26328509.4/72

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: -0.055+/-0.166 χ^2/NDF:25.5/19

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.100+/-0.162 χ^2/NDF:28.0/18

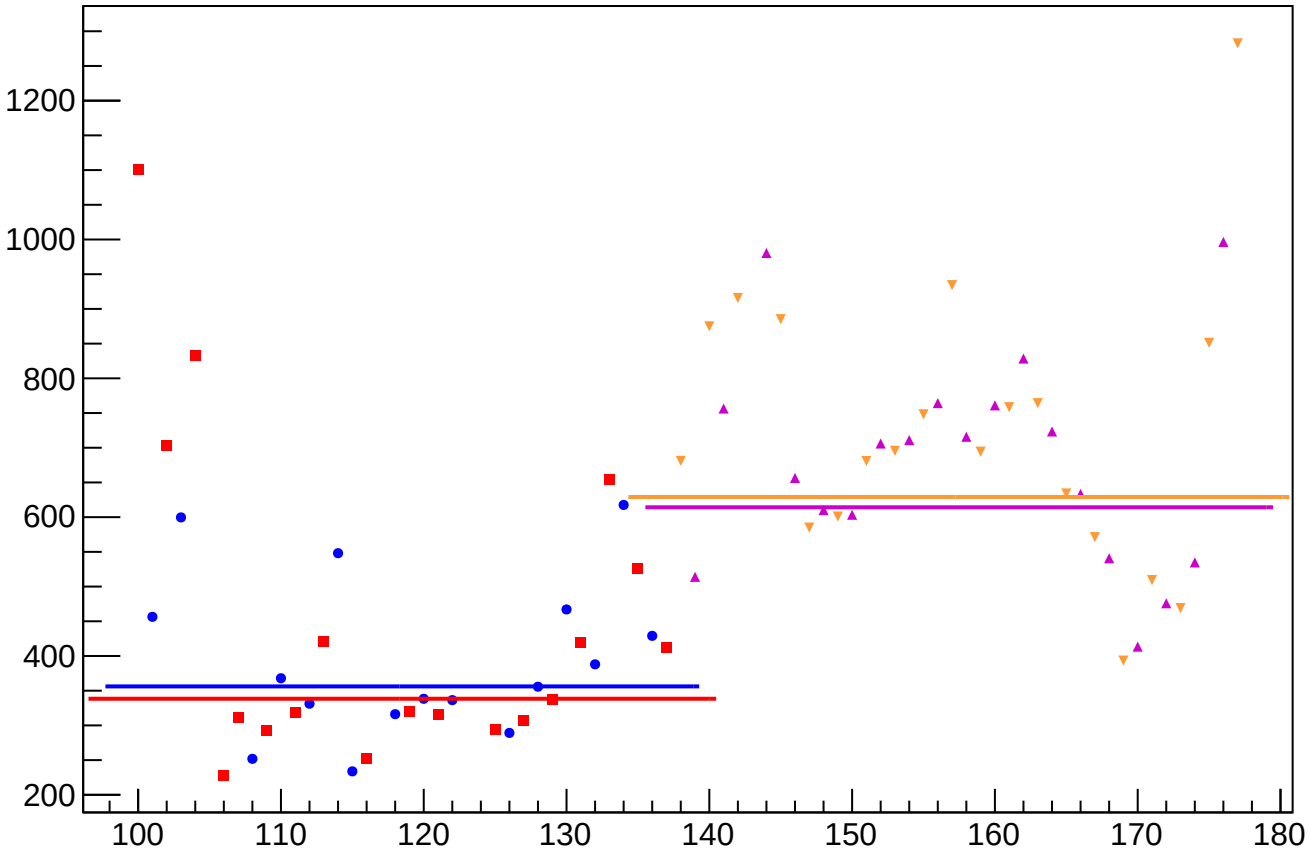
Left: -0.078+/-0.116 χ^2/NDF: 53.5/38

Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.087+/-0.106 χ^2/NDF:40.6/34

Out: 0.061+/-0.106 χ^2/NDF:53.3/37

All: -0.013+/-0.075 χ^2/NDF: 94.8/72



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 629.062+/-0.117 χ^2/NDF:2078058.0/19

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 614.235+/-0.115 χ^2/NDF:1483618.6/18

Left: 621.476+/-0.082 χ^2/NDF: 3569846.2/38

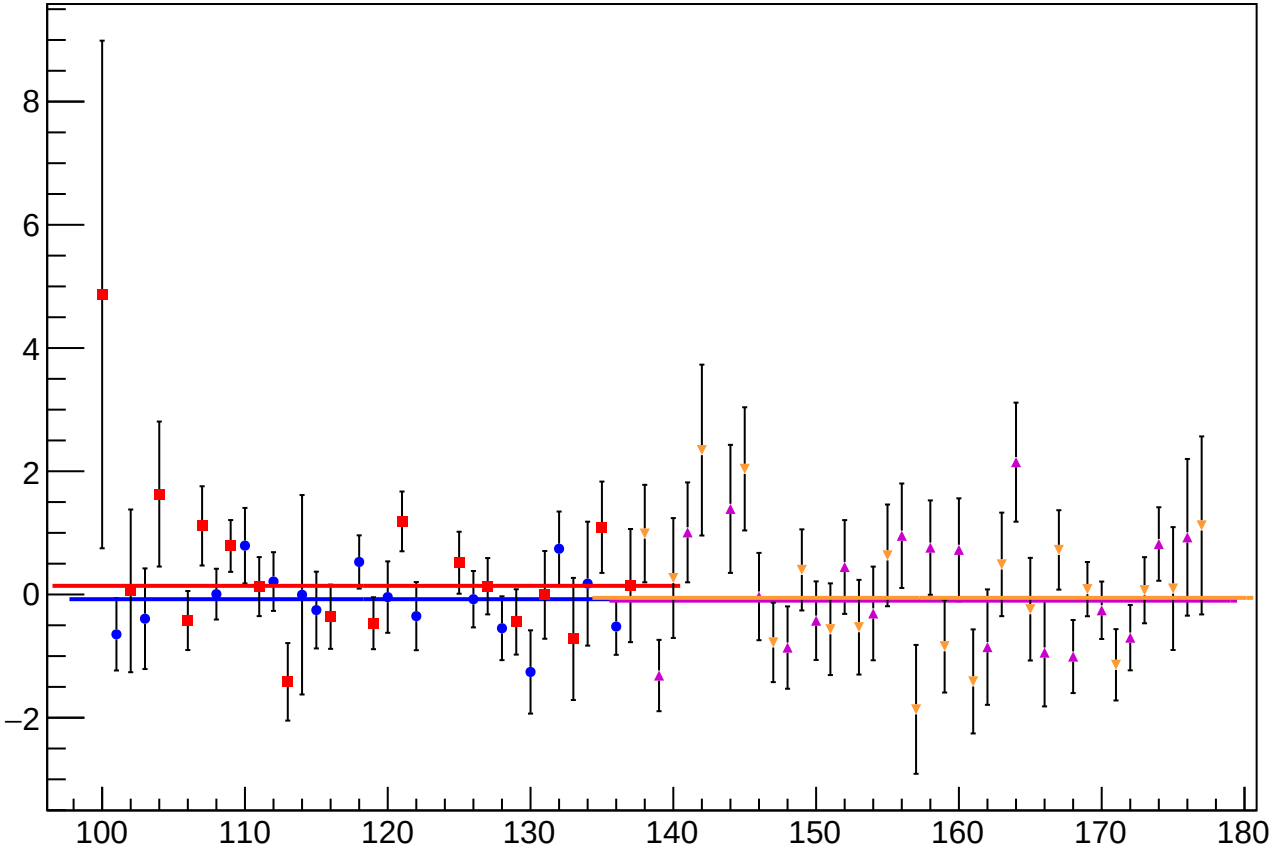
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 466.334+/-0.075 χ^2/NDF:5173128.1/34

Out: 457.205+/-0.075 χ^2/NDF:6909066.5/37

All: 461.777+/-0.053 χ^2/NDF: 12089612.5/72

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: -0.055+/-0.166 χ^2/NDF:25.5/19

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.100+/-0.162 χ^2/NDF:28.0/18

Left: -0.078+/-0.116 χ^2/NDF: 53.5/38

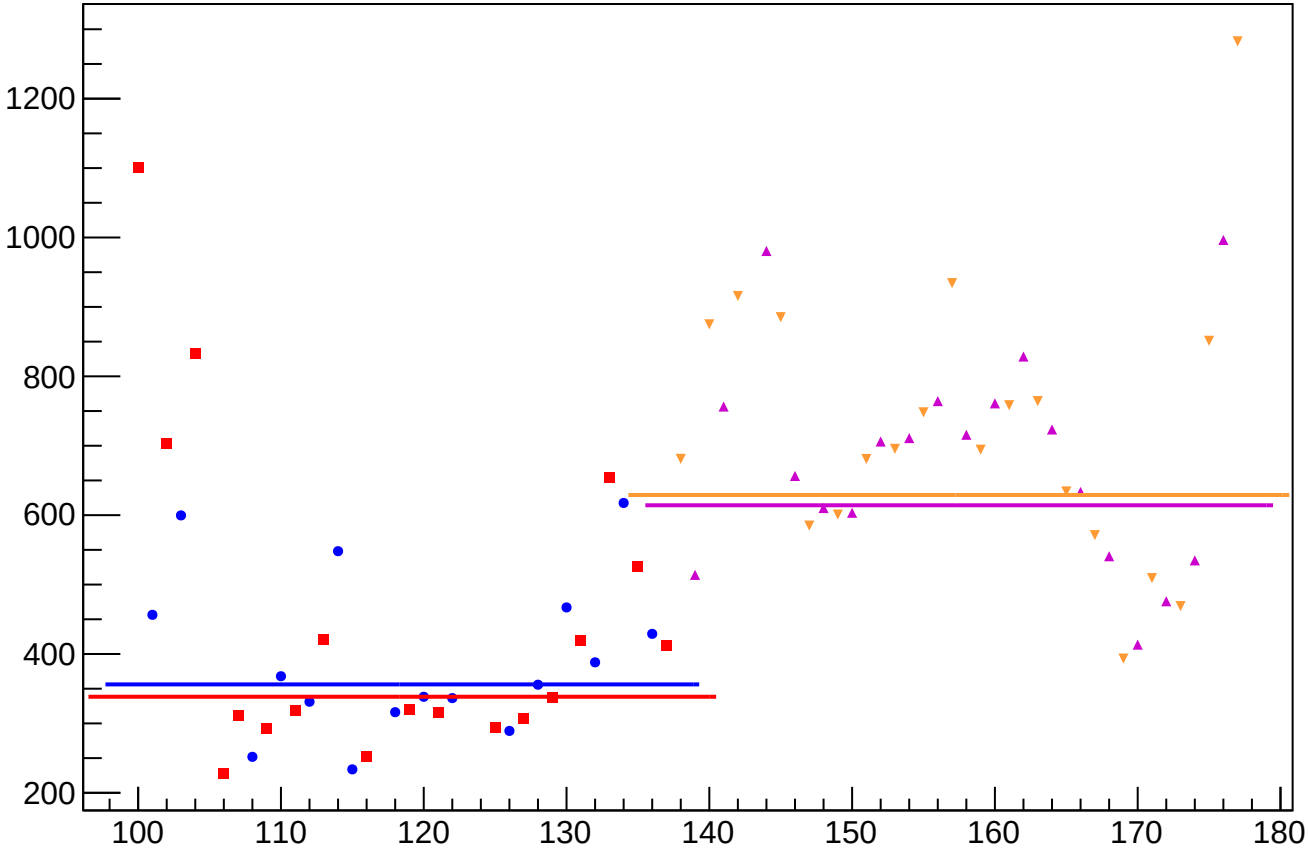
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.087+/-0.106 χ^2/NDF:40.6/34

Out: 0.061+/-0.106 χ^2/NDF:53.3/37

All: -0.013+/-0.075 χ^2/NDF: 94.8/72

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 629.062+/-0.117 χ^2/NDF:2078058.0/19

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 614.235+/-0.115 χ^2/NDF:1483618.6/18

Left: 621.476+/-0.082 χ^2/NDF: 3569846.2/38

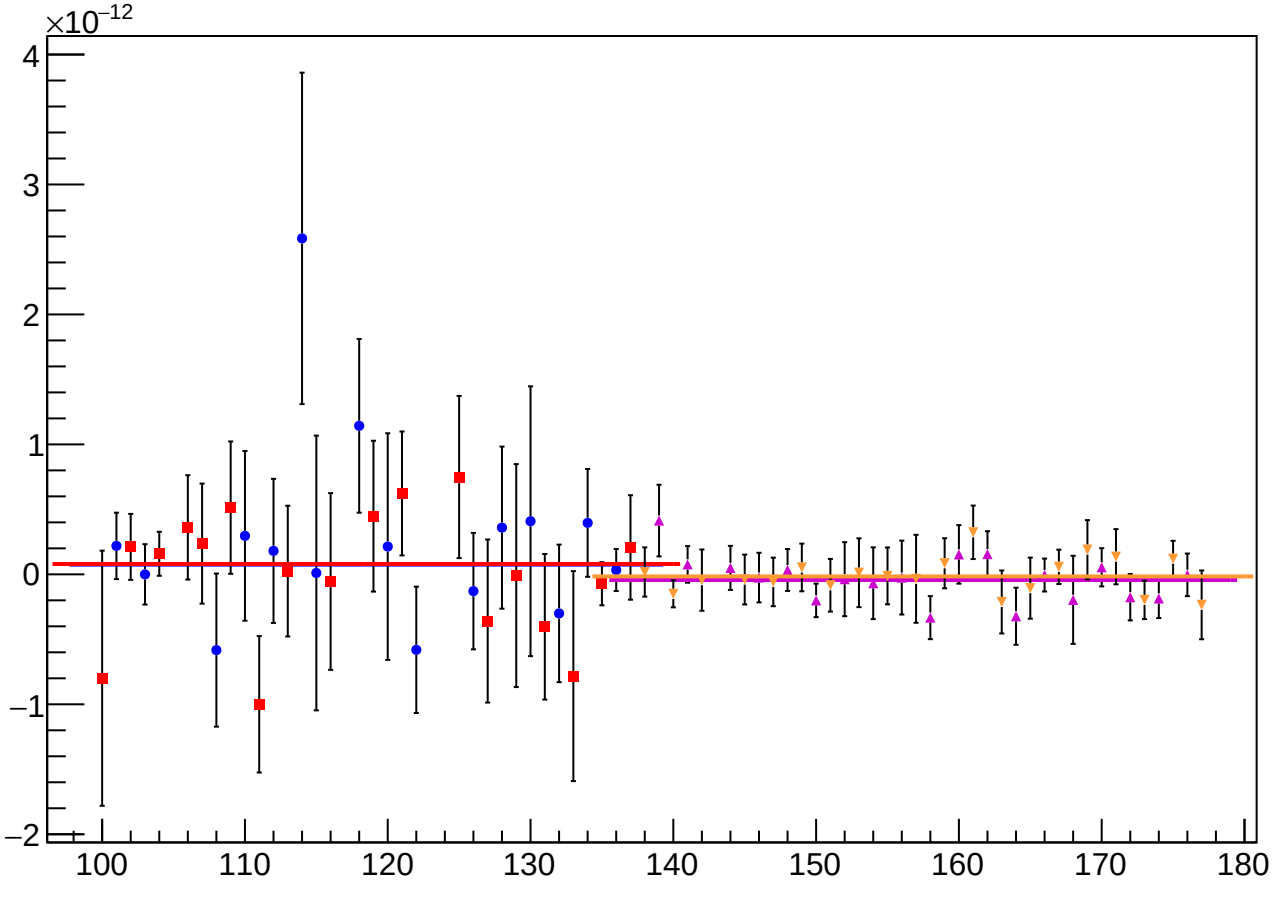
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 466.334+/-0.075 χ^2/NDF:5173128.1/34

Out: 457.205+/-0.075 χ^2/NDF:6909066.5/37

All: 461.777+/-0.053 χ^2/NDF: 12089612.5/72

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 13.1/17

Left In: -0.000+/-0.000 χ^2/NDF:14.4/18

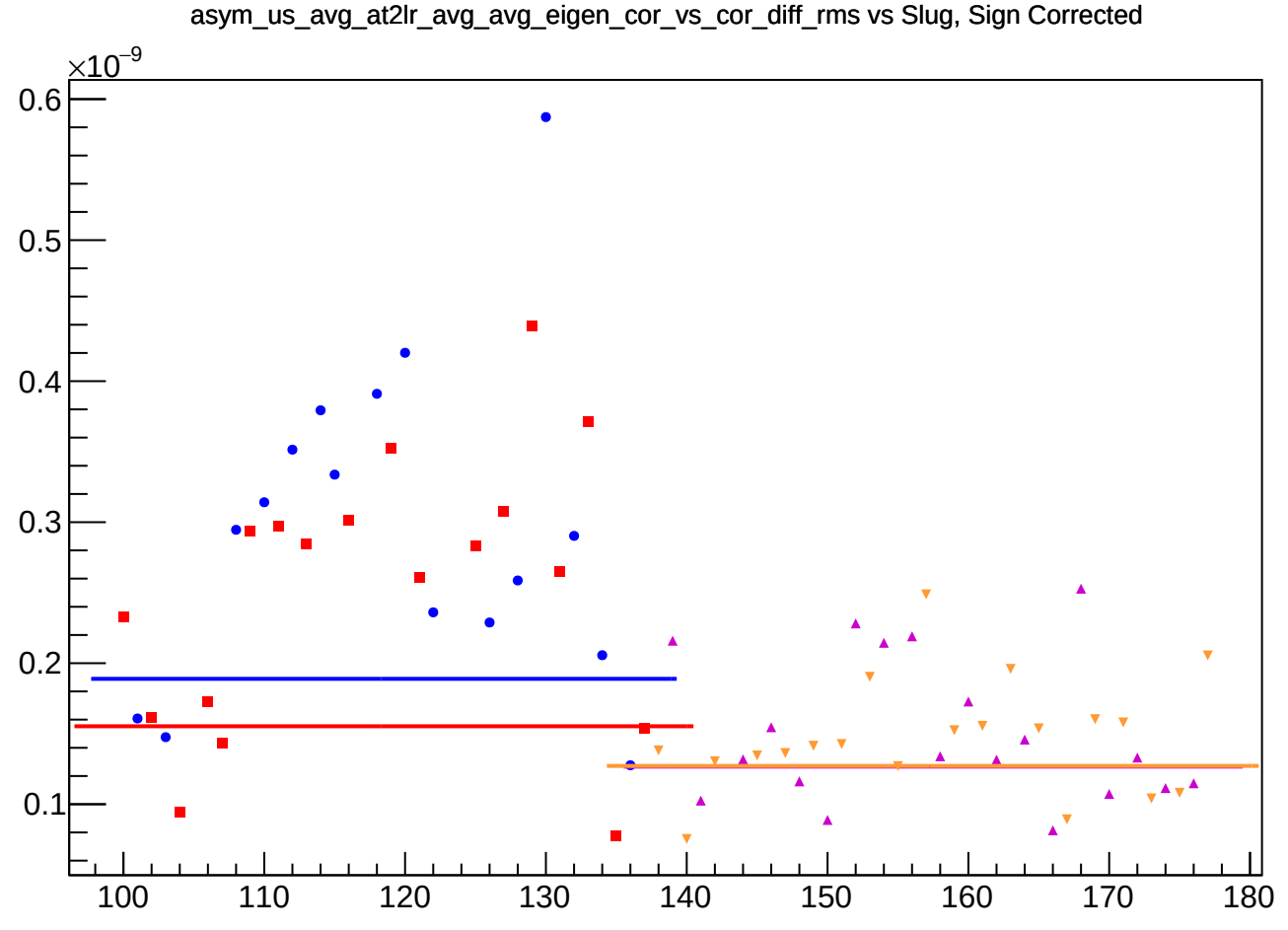
Left: -0.000+/-0.000 χ^2/NDF: 25.3/38

Right: 0.000+/-0.000 χ^2/NDF: 24.9/33

In: -0.000+/-0.000 χ^2/NDF:27.5/34

Out: 0.000+/-0.000 χ^2/NDF:24.7/37

All: -0.000+/-0.000 χ^2/NDF: 52.5/72



Right In: 0.000+/-0.000 χ^2/NDF: 1520620.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1679327.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

Left In: 0.000+/-0.000 χ^2/NDF:1865446.7/18

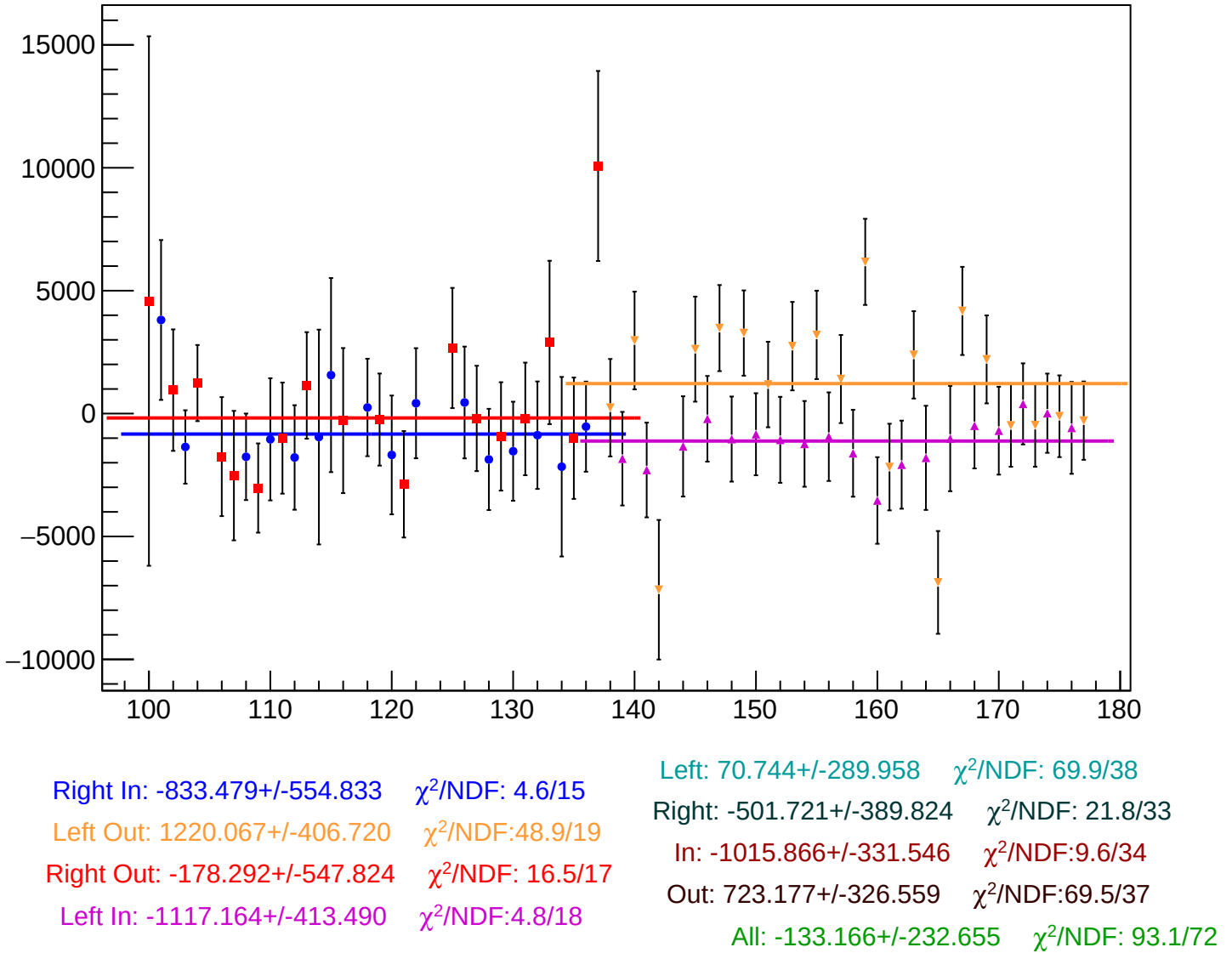
Left: 0.000+/-0.000 χ^2/NDF: 3544924.5/38

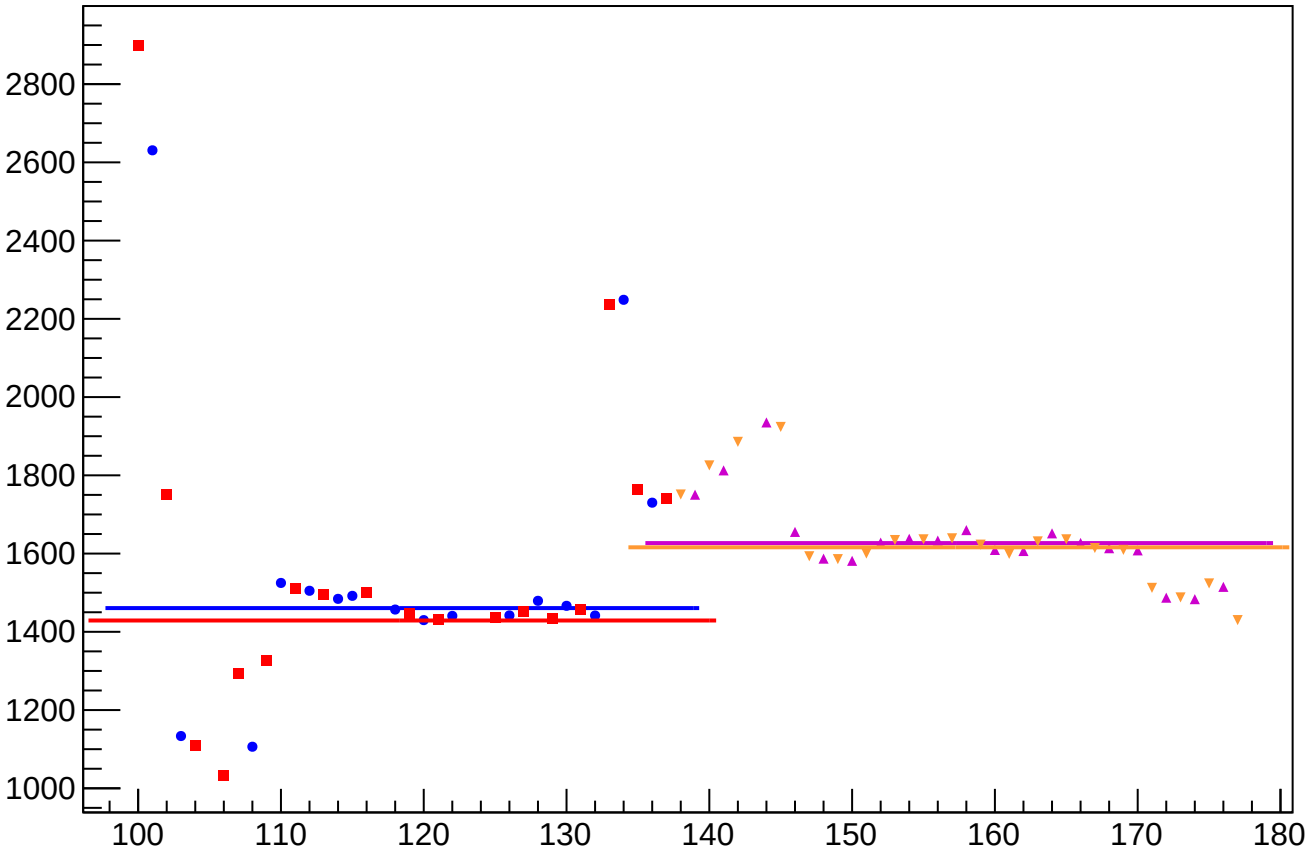
Right: 0.000+/-0.000 χ^2/NDF: 3857679.7/33

In: 0.000+/-0.000 χ^2/NDF:4093489.8/34

Out: 0.000+/-0.000 χ^2/NDF:4055547.4/37

All: 0.000+/-0.000 χ^2/NDF: 8158633.7/72


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: 1220.067+/-406.720 χ²/NDF:48.9/19
Right Out: -178.292+/-547.824 χ²/NDF: 16.5/17
Left In: -1117.164+/-413.490 χ²/NDF:4.8/18
Left: 70.744+/-289.958 χ²/NDF: 69.9/38
Right: -501.721+/-389.824 χ²/NDF: 21.8/33
In: -1015.866+/-331.546 χ²/NDF:9.6/34
Out: 723.177+/-326.559 χ²/NDF:69.5/37
All: -133.166+/-232.655 χ²/NDF: 93.1/72



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1616.002+/-0.288 χ^2/NDF:145993.3/19

Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1626.804+/-0.292 χ^2/NDF:115007.5/18

Left: 1621.314+/-0.205 χ^2/NDF: 261694.5/38

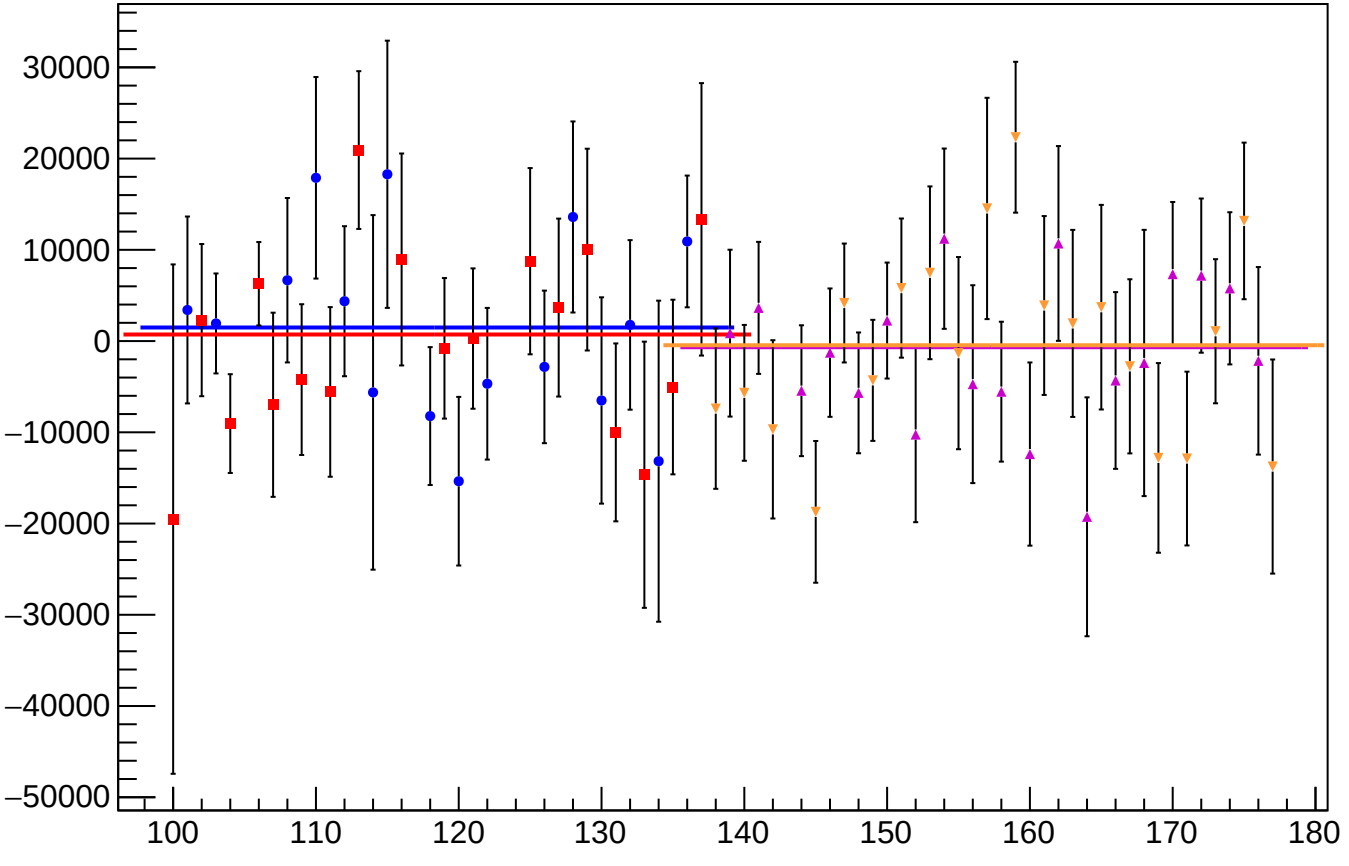
Right: 1444.478+/-0.275 χ^2/NDF: 990344.6/33

In: 1567.475+/-0.234 χ^2/NDF:806053.5/34

Out: 1548.896+/-0.230 χ^2/NDF:709040.4/37

All: 1558.020+/-0.164 χ^2/NDF: 1518290.1/72

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: -457.273+/-1964.589 χ^2/NDF:26.3/19

Right Out: 720.166+/-2011.559 χ^2/NDF: 17.5/17

Left In: -673.970+/-1966.435 χ^2/NDF:11.8/18

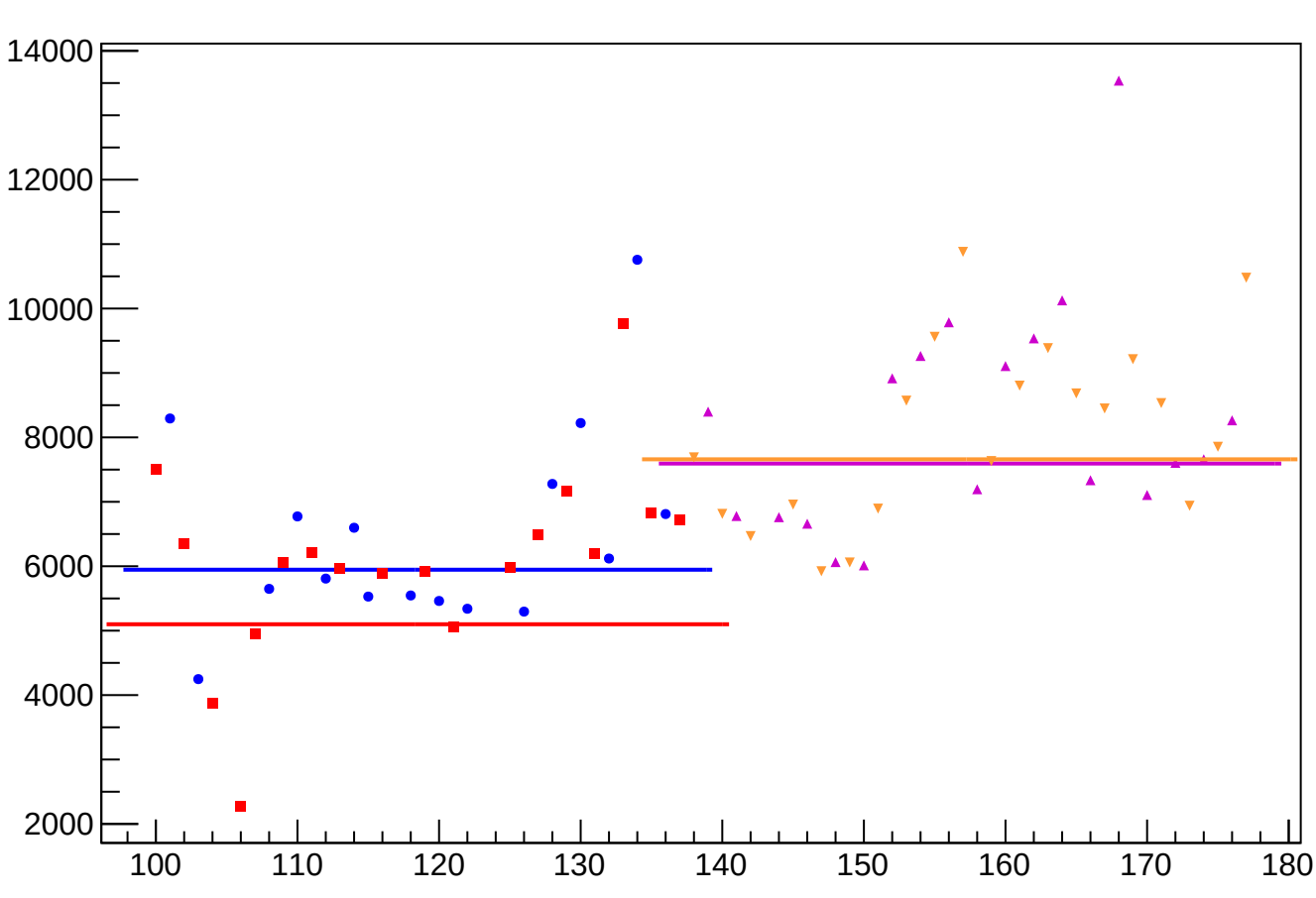
Left: -565.520+/-1389.826 χ^2/NDF: 38.1/38

Right: 1057.985+/-1504.928 χ^2/NDF: 31.8/33

In: 253.568+/-1485.751 χ^2/NDF:26.5/34

Out: 117.540+/-1405.486 χ^2/NDF:44.0/37

All: 181.780+/-1021.025 χ^2/NDF: 70.5/72



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 7659.831+/-1.389 χ^2/NDF:884410.2/19

Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

Left In: 7594.105+/-1.390 χ^2/NDF:1051752.6/18

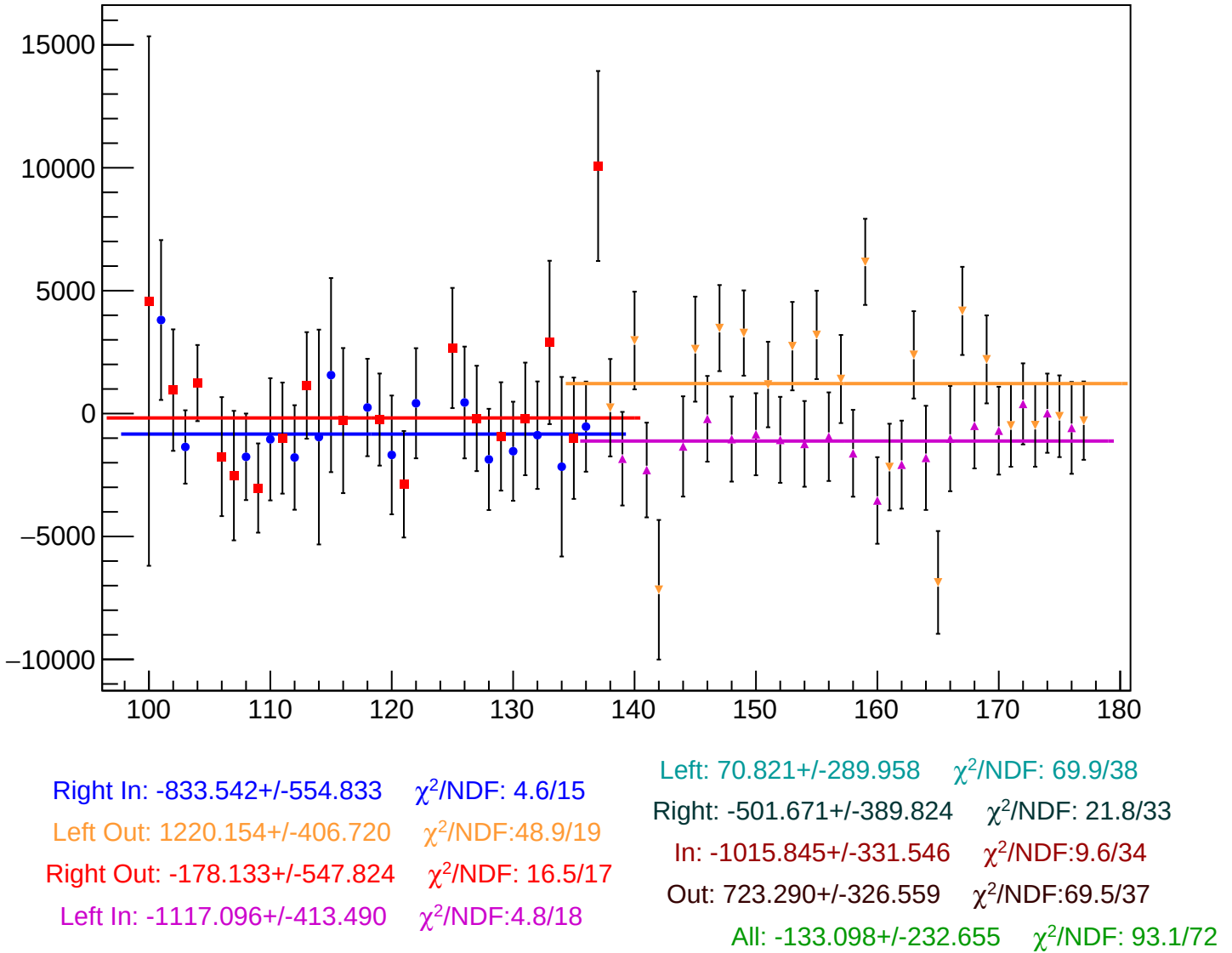
Left: 7626.999+/-0.983 χ^2/NDF: 1937281.1/38

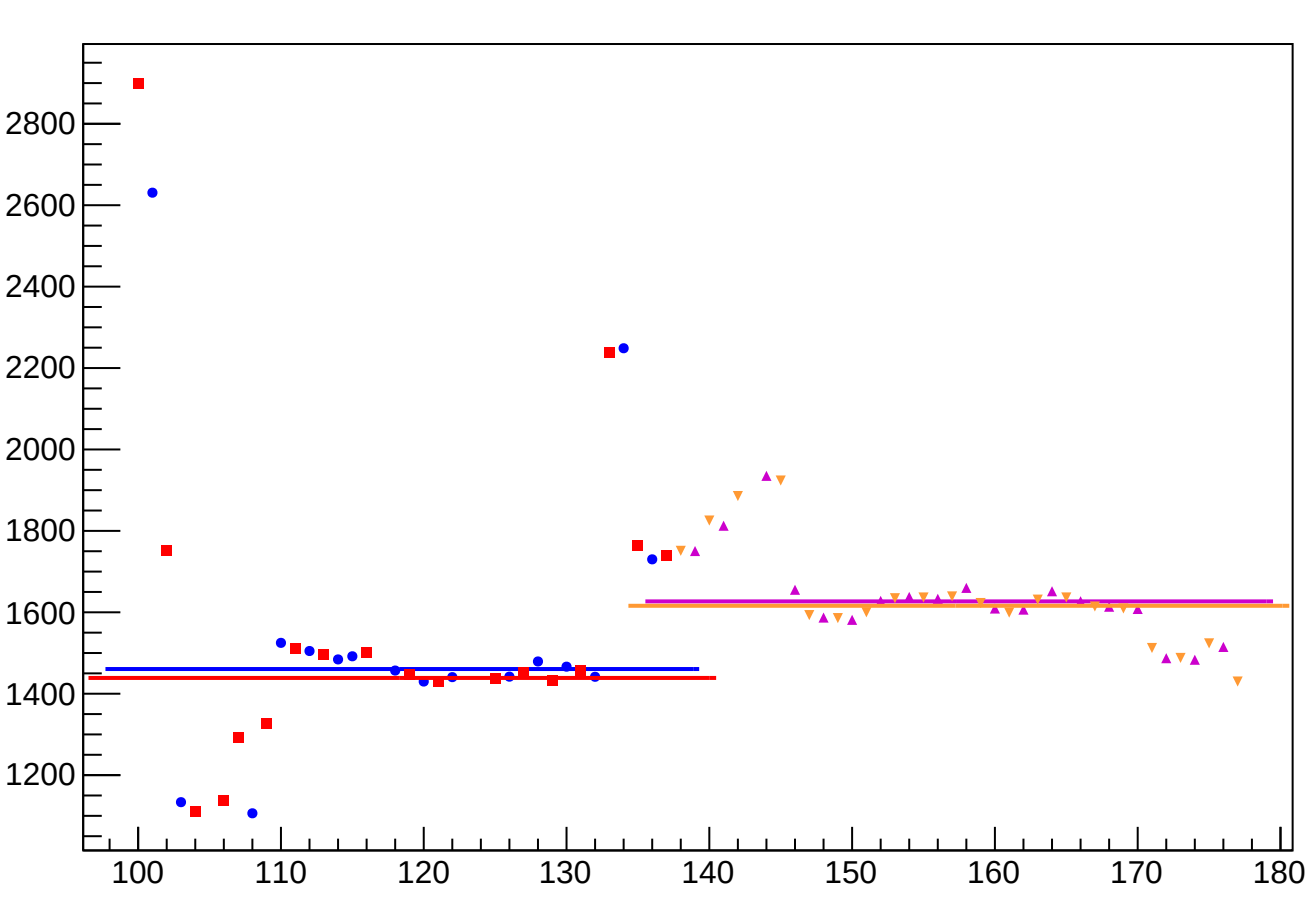
Right: 5472.167+/-1.064 χ^2/NDF: 2277512.7/33

In: 6886.878+/-1.051 χ^2/NDF:2295712.5/34

Out: 6409.845+/-0.994 χ^2/NDF:4023253.5/37

All: 6635.129+/-0.722 χ^2/NDF: 6427772.8/72


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: 1220.154+/-406.720 χ²/NDF:48.9/19
Right Out: -178.133+/-547.824 χ²/NDF: 16.5/17
Left In: -1117.096+/-413.490 χ²/NDF:4.8/18
Left: 70.821+/-289.958 χ²/NDF: 69.9/38
Right: -501.671+/-389.824 χ²/NDF: 21.8/33
In: -1015.845+/-331.546 χ²/NDF:9.6/34
Out: 723.290+/-326.559 χ²/NDF:69.5/37
All: -133.098+/-232.655 χ²/NDF: 93.1/72



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1616.002+/-0.288 χ^2/NDF:145993.3/19

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1626.804+/-0.292 χ^2/NDF:115007.5/18

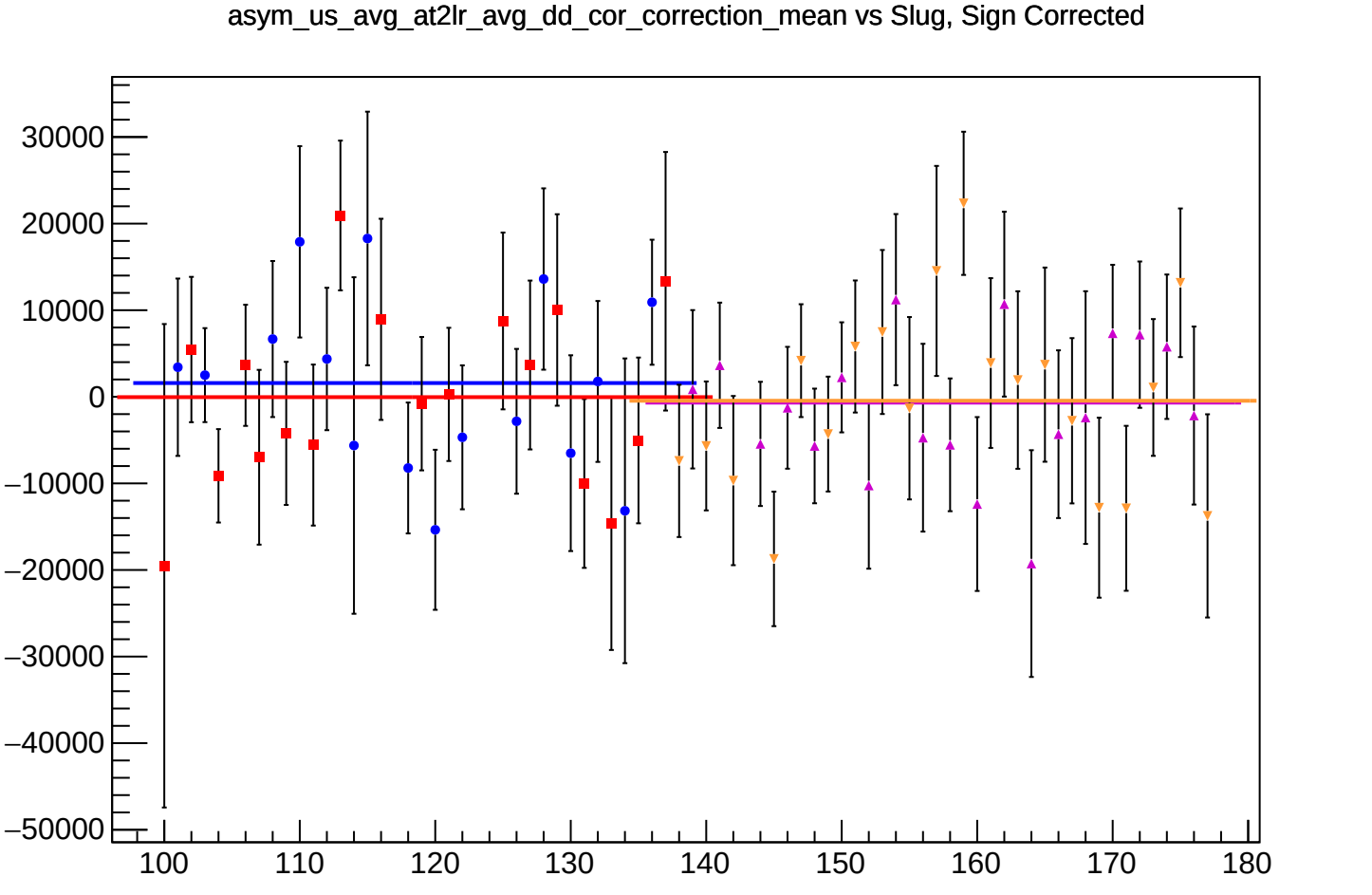
Left: 1621.314+/-0.205 χ^2/NDF: 261694.4/38

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1567.475+/-0.234 χ^2/NDF:806054.0/34

Out: 1552.837+/-0.231 χ^2/NDF:654724.6/37

All: 1560.039+/-0.164 χ^2/NDF: 1462759.1/72



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -457.270+/-1964.589 χ^2/NDF:26.3/19

Right Out: -40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: -674.013+/-1966.433 χ^2/NDF:11.8/18

Left: -565.540+/-1389.826 χ^2/NDF: 38.1/38

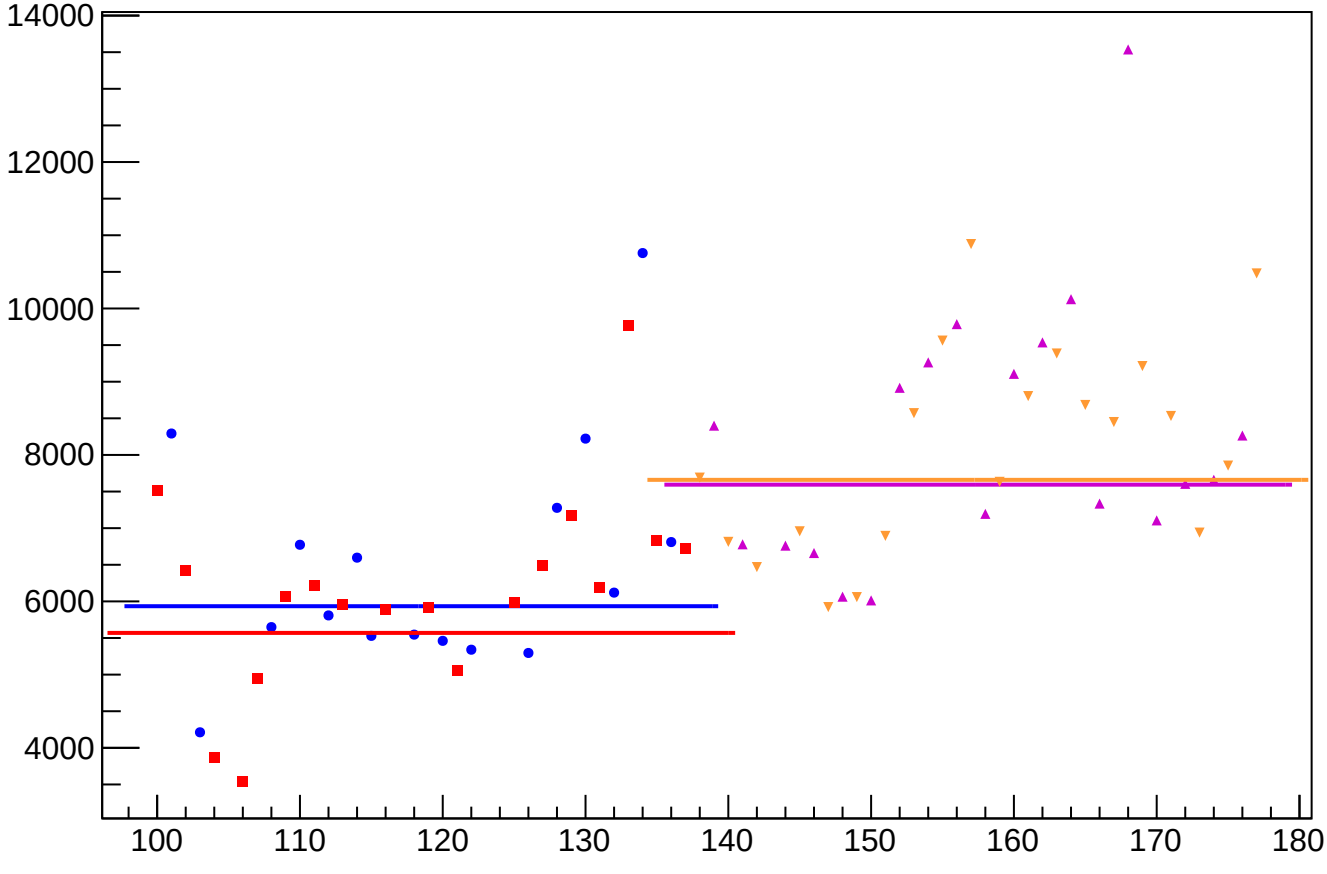
Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: 298.822+/-1484.689 χ^2/NDF:26.6/34

Out: -266.055+/-1445.061 χ^2/NDF:42.8/37

All: 8.745+/-1035.539 χ^2/NDF: 69.4/72

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: 7659.830+/-1.389 χ^2/NDF:884410.0/19

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7594.099+/-1.390 χ^2/NDF:1051756.1/18

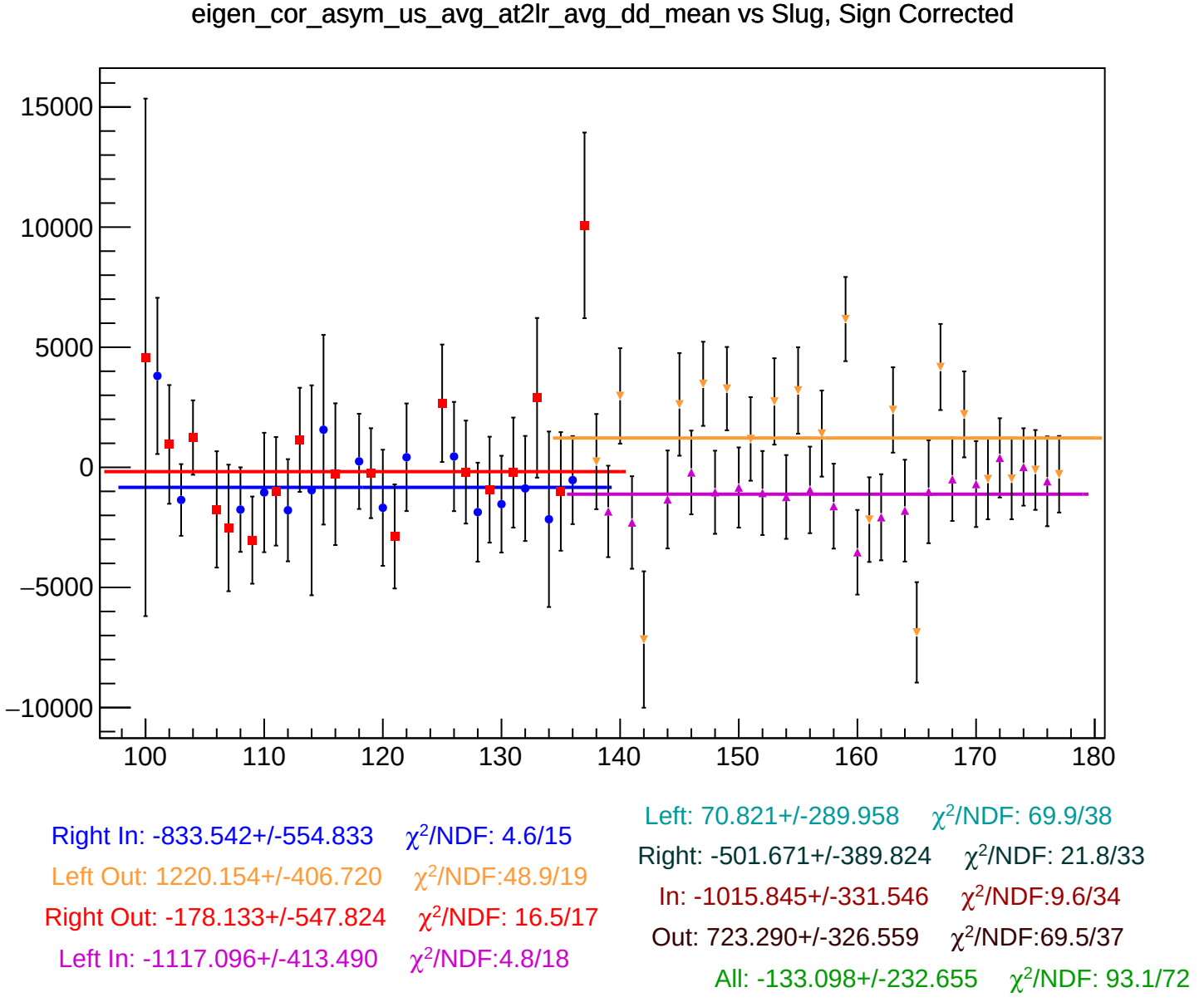
Left: 7626.995+/-0.983 χ^2/NDF: 1937284.5/38

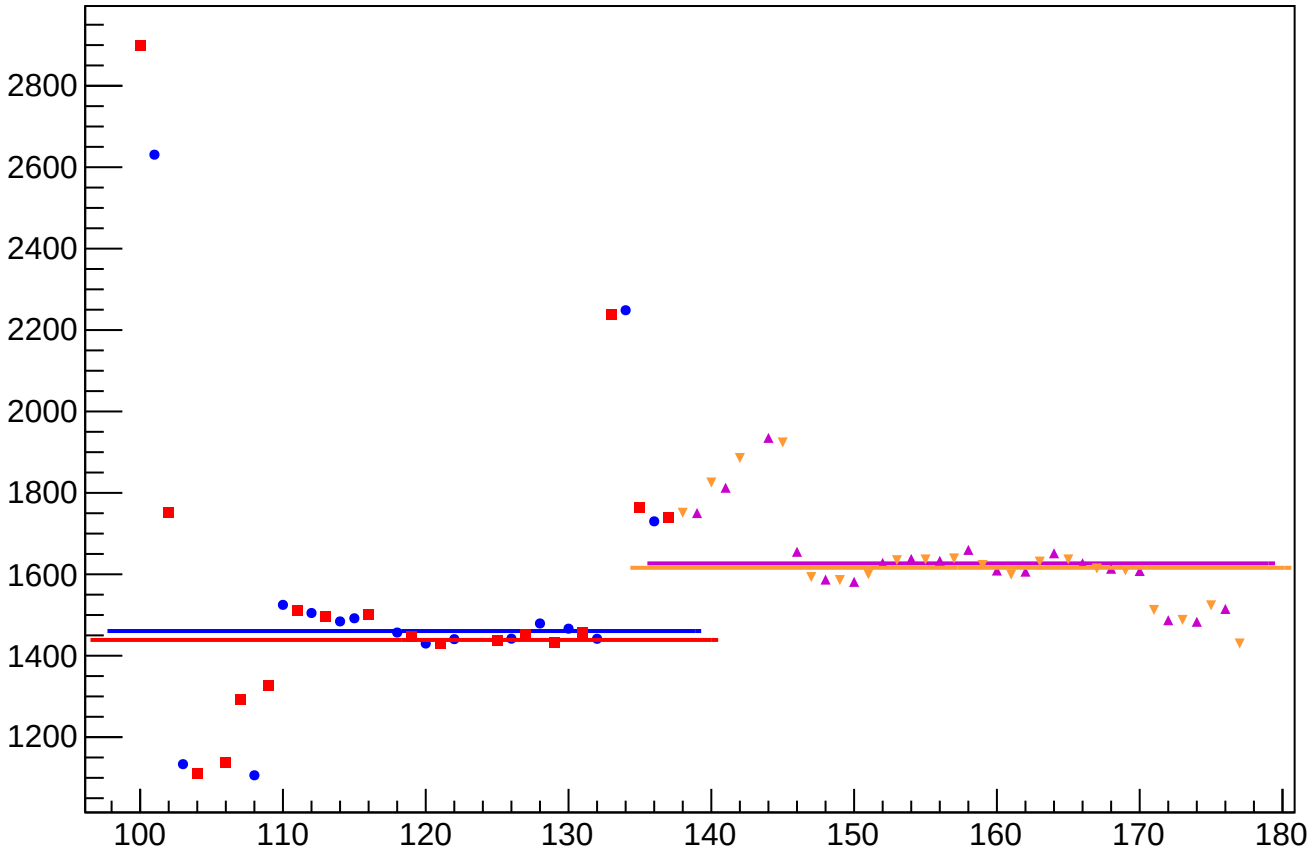
Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6880.428+/-1.050 χ^2/NDF:2317539.7/34

Out: 6700.500+/-1.022 χ^2/NDF:2647534.6/37

All: 6788.031+/-0.732 χ^2/NDF: 4980158.3/72


eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: -833.542+/-554.833 χ²/NDF: 4.6/15
Left Out: 1220.154+/-406.720 χ²/NDF:48.9/19
Right Out: -178.133+/-547.824 χ²/NDF: 16.5/17
Left In: -1117.096+/-413.490 χ²/NDF:4.8/18
Left: 70.821+/-289.958 χ²/NDF: 69.9/38
Right: -501.671+/-389.824 χ²/NDF: 21.8/33
In: -1015.845+/-331.546 χ²/NDF:9.6/34
Out: 723.290+/-326.559 χ²/NDF:69.5/37
All: -133.098+/-232.655 χ²/NDF: 93.1/72



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1616.002+/-0.288 χ^2/NDF:145993.3/19

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1626.804+/-0.292 χ^2/NDF:115007.5/18

Left: 1621.314+/-0.205 χ^2/NDF: 261694.4/38

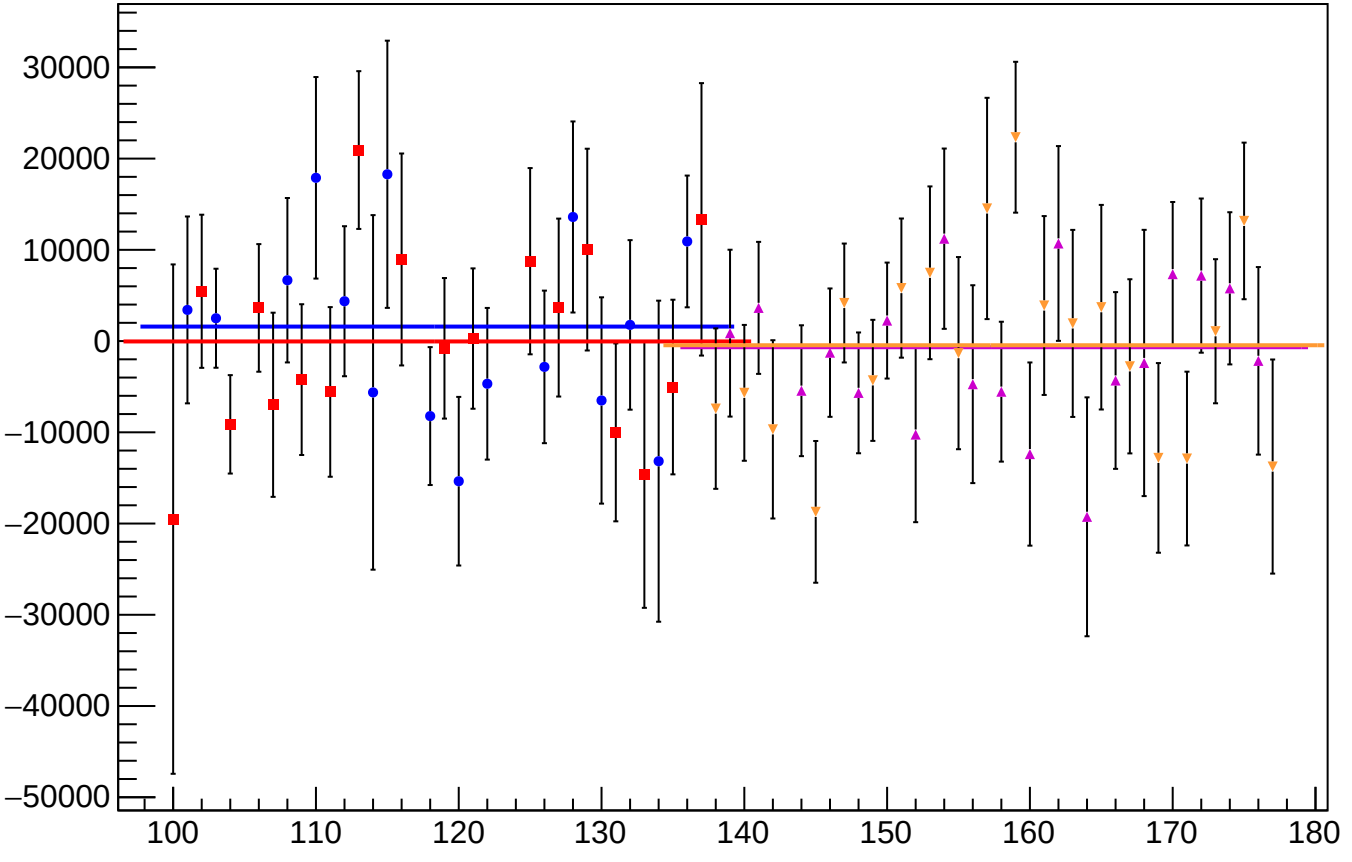
Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1567.475+/-0.234 χ^2/NDF:806054.0/34

Out: 1552.837+/-0.231 χ^2/NDF:654724.6/37

All: 1560.039+/-0.164 χ^2/NDF: 1462759.1/72

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -457.270+/-1964.589 χ^2/NDF:26.3/19

Right Out: -40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: -674.013+/-1966.433 χ^2/NDF:11.8/18

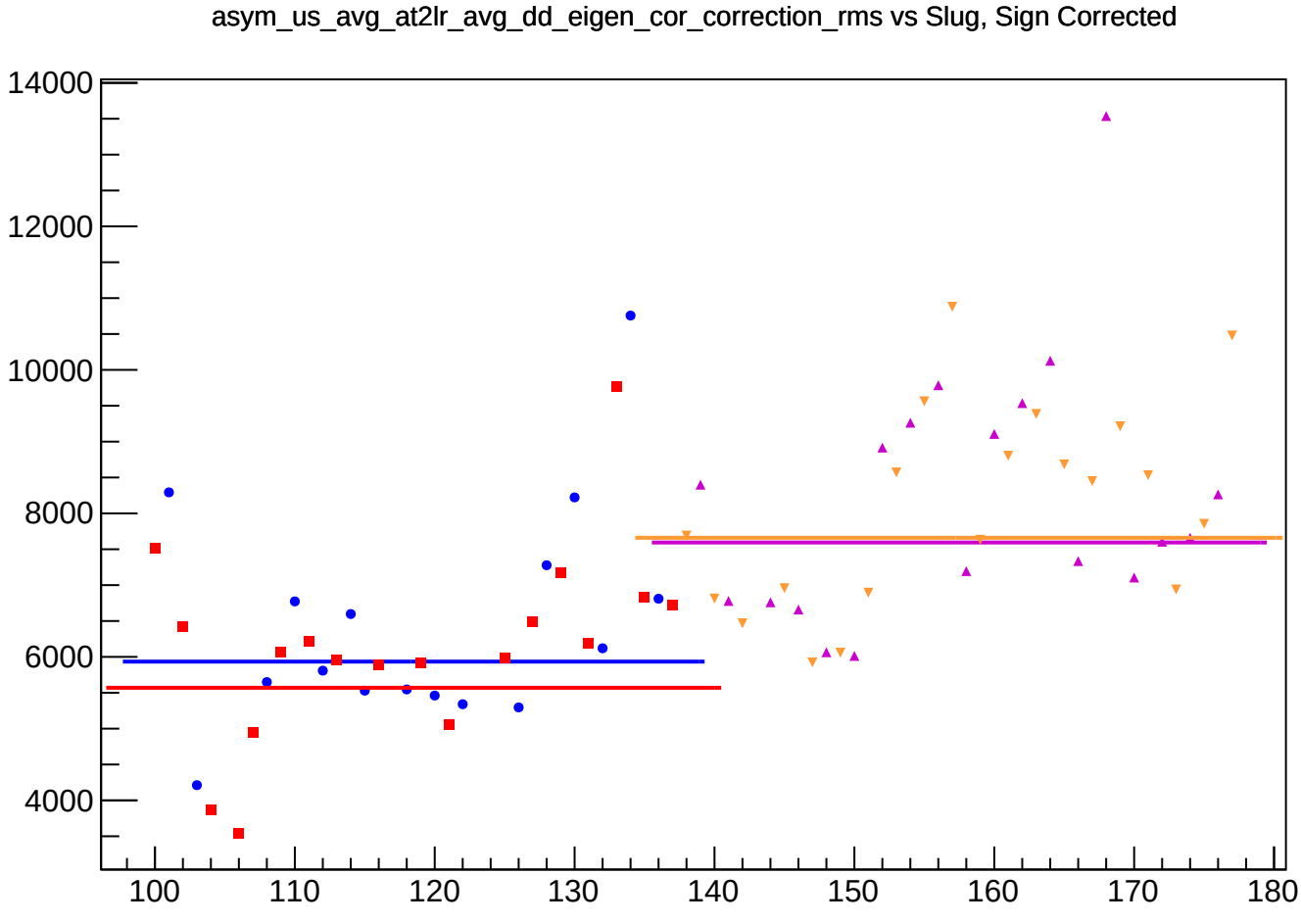
Left: -565.540+/-1389.826 χ^2/NDF: 38.1/38

Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: 298.822+/-1484.689 χ^2/NDF:26.6/34

Out: -266.055+/-1445.061 χ^2/NDF:42.8/37

All: 8.745+/-1035.539 χ^2/NDF: 69.4/72



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7659.830+/-1.389 χ^2/NDF:884410.0/19

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7594.099+/-1.390 χ^2/NDF:1051756.1/18

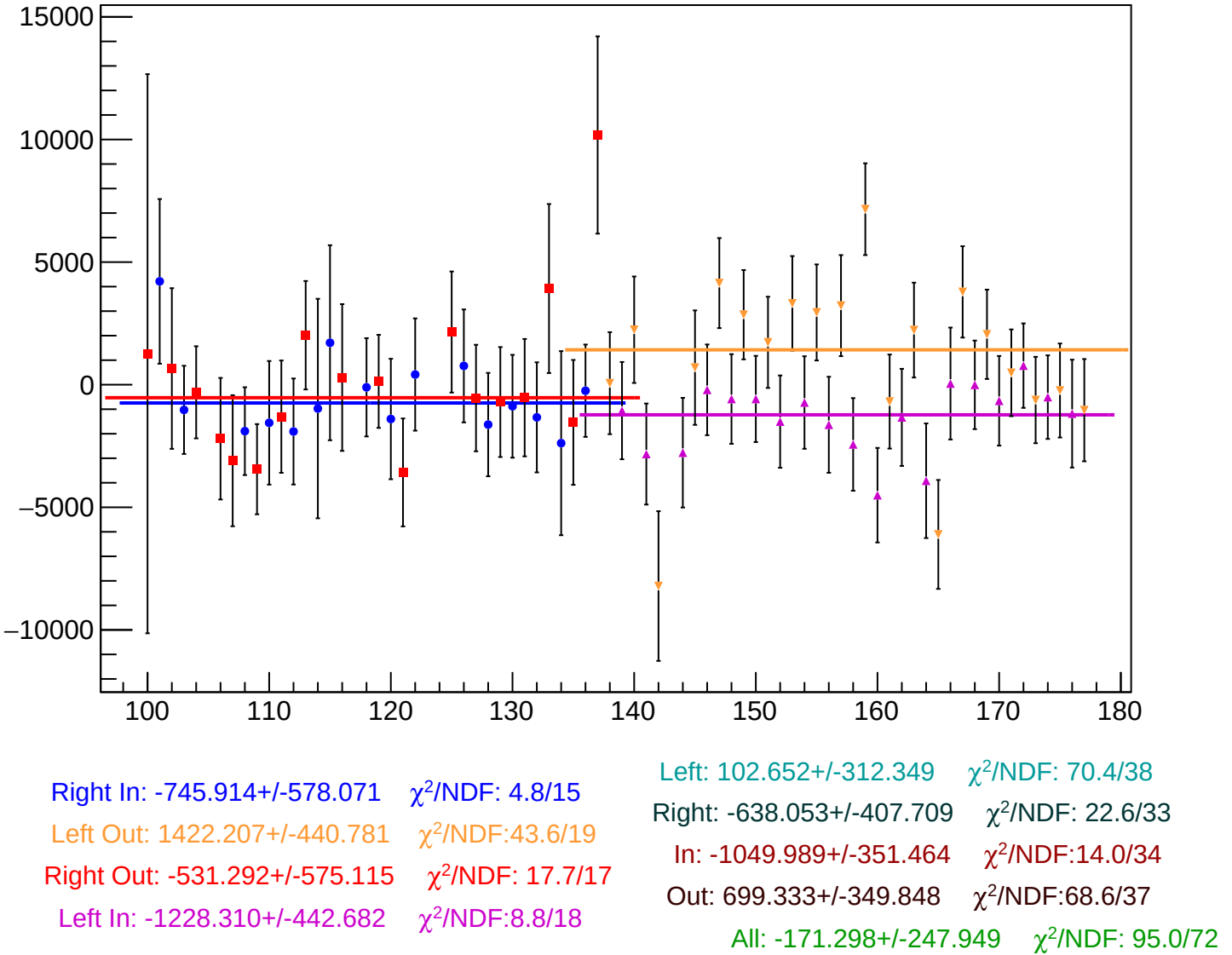
Left: 7626.995+/-0.983 χ^2/NDF: 1937284.5/38

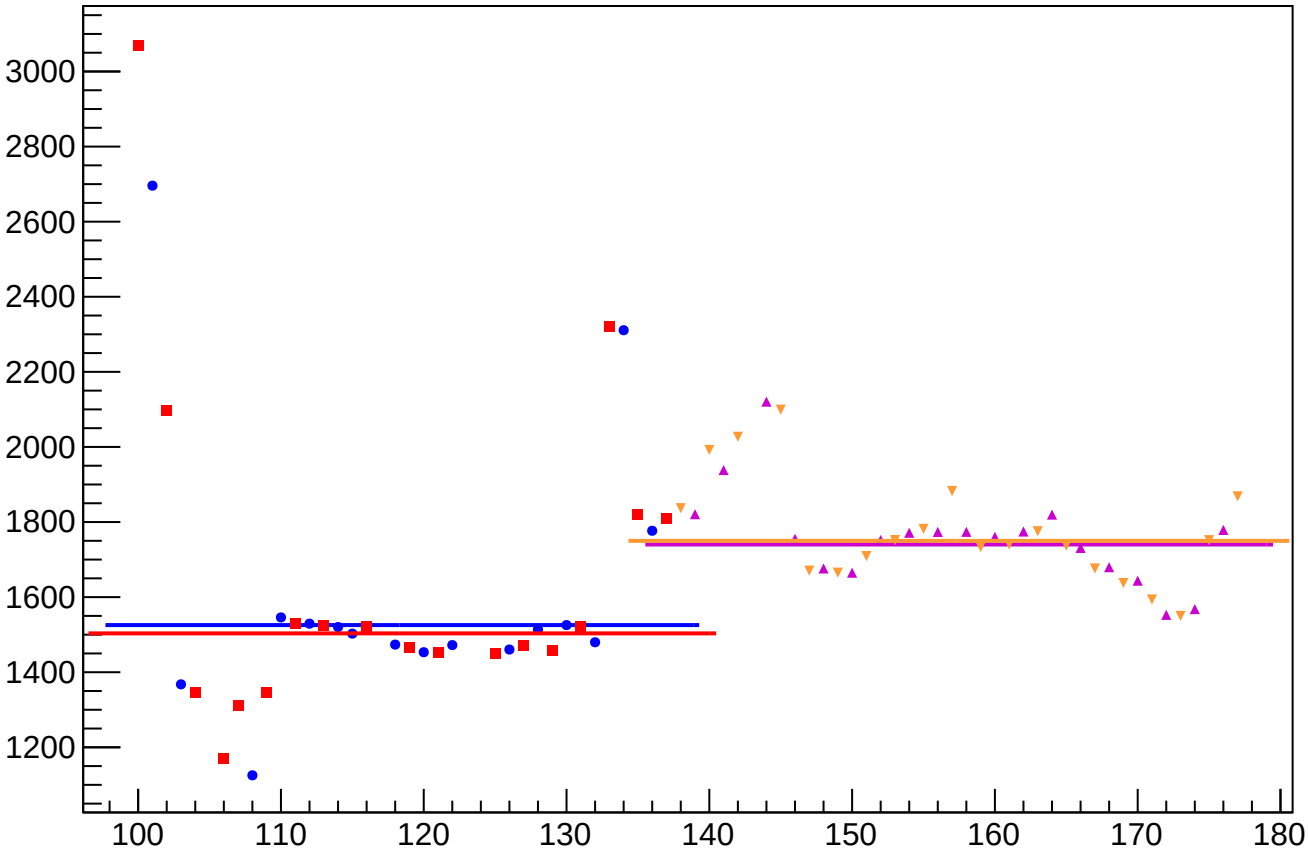
Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6880.428+/-1.050 χ^2/NDF:2317539.7/34

Out: 6700.500+/-1.022 χ^2/NDF:2647534.6/37

All: 6788.031+/-0.732 χ^2/NDF: 4980158.3/72


dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: -745.914+/-578.071 χ²/NDF: 4.8/15
Left Out: 1422.207+/-440.781 χ²/NDF:43.6/19
Right Out: -531.292+/-575.115 χ²/NDF: 17.7/17
Left In: -1228.310+/-442.682 χ²/NDF:8.8/18
Left: 102.652+/-312.349 χ²/NDF: 70.4/38
Right: -638.053+/-407.709 χ²/NDF: 22.6/33
In: -1049.989+/-351.464 χ²/NDF:14.0/34
Out: 699.333+/-349.848 χ²/NDF:68.6/37
All: -171.298+/-247.949 χ²/NDF: 95.0/72



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1749.876+/-0.312 χ^2/NDF:166598.2/19

Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1740.214+/-0.313 χ^2/NDF:143511.4/18

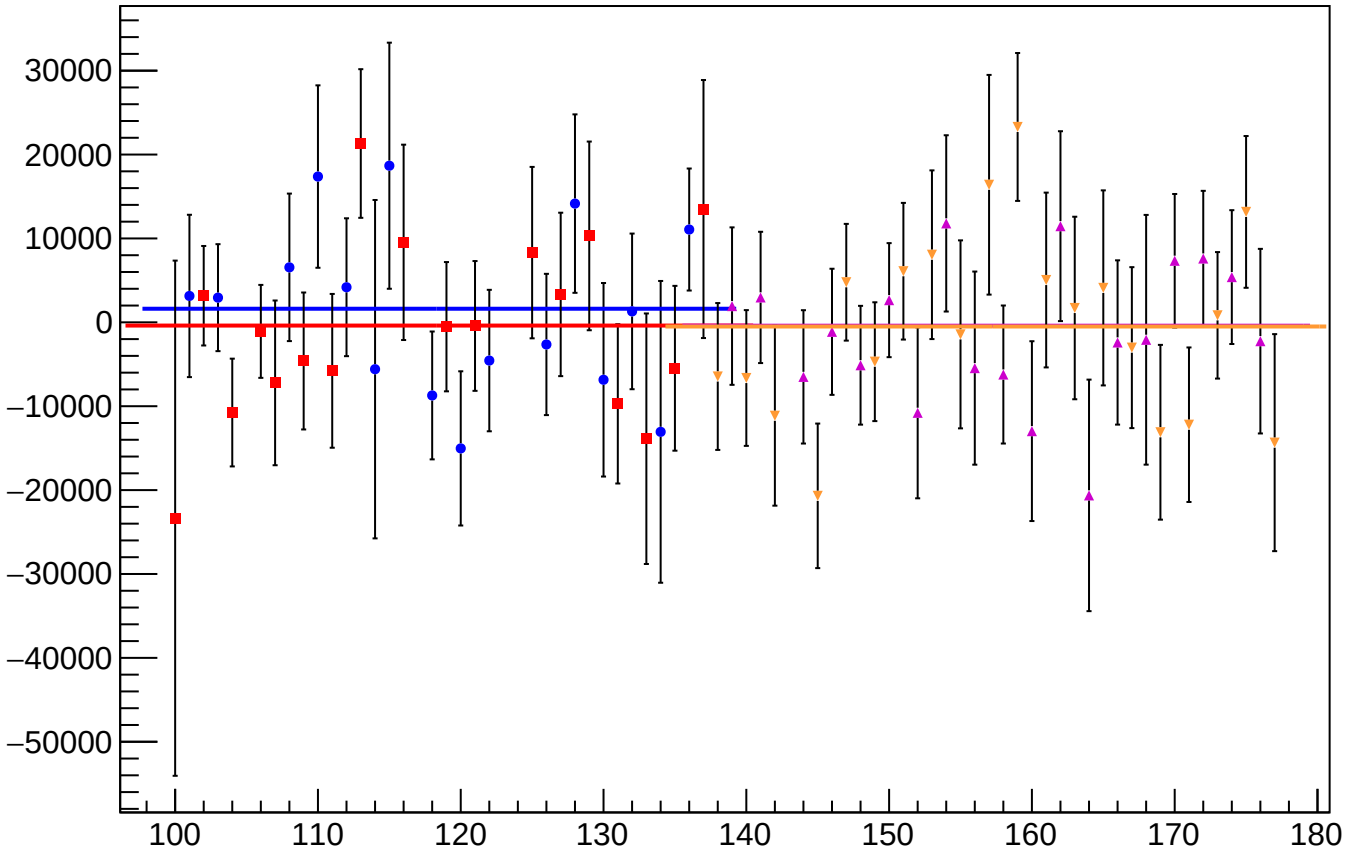
Left: 1745.066+/-0.221 χ^2/NDF: 310588.0/38

Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1660.857+/-0.249 χ^2/NDF:805708.6/34

Out: 1658.649+/-0.247 χ^2/NDF:736536.1/37

All: 1659.748+/-0.175 χ^2/NDF: 1542284.3/72



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: -497.332+/-2060.951 χ^2/NDF:25.9/19

Right Out: -385.942+/-2060.867 χ^2/NDF: 16.0/17

Left In: -401.090+/-2060.006 χ^2/NDF:11.7/18

Left: -449.189+/-1456.978 χ^2/NDF: 37.6/38

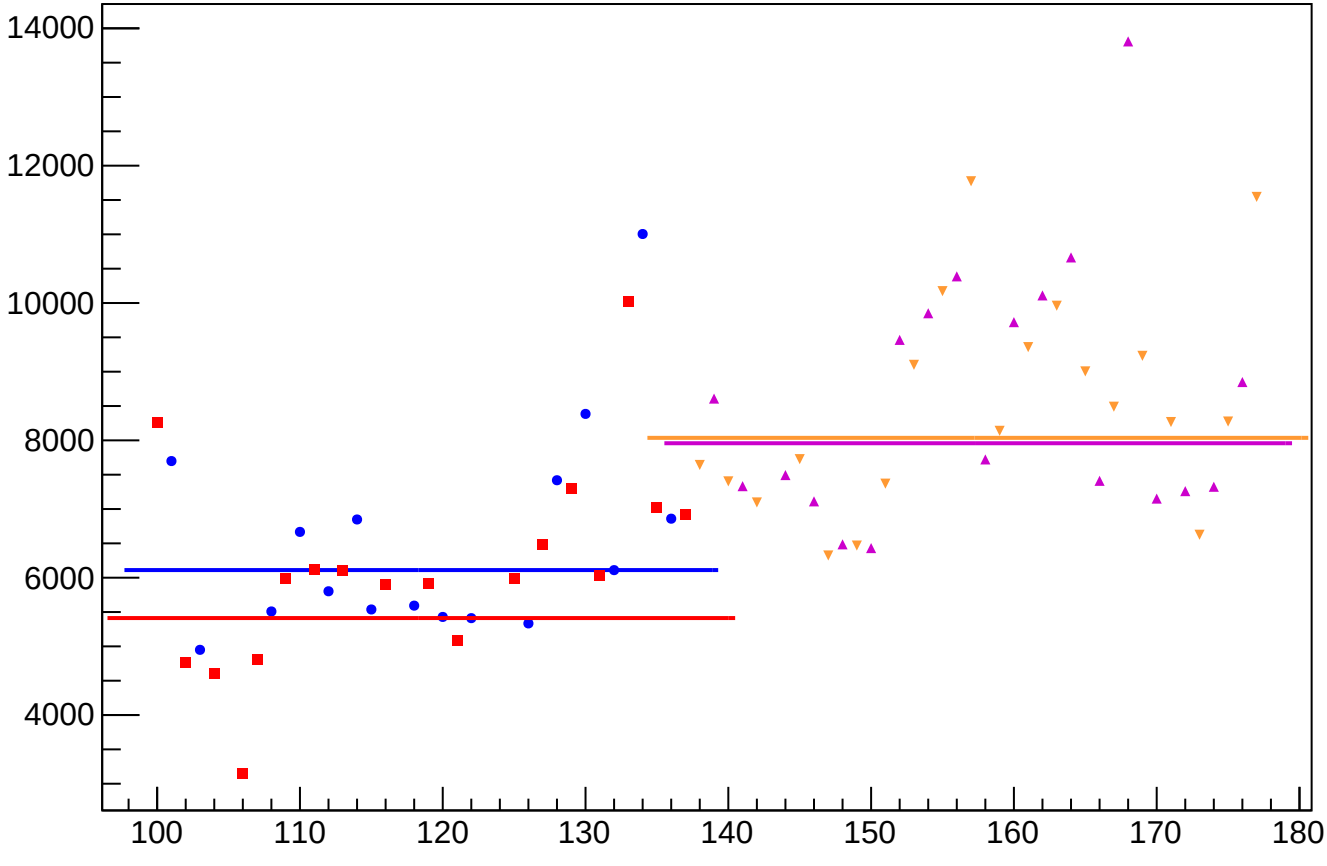
Right: 498.801+/-1540.768 χ^2/NDF: 30.7/33

In: 489.917+/-1540.407 χ^2/NDF:26.4/34

Out: -441.635+/-1457.283 χ^2/NDF:41.9/37

All: -1.670+/-1058.622 χ^2/NDF: 68.5/72

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 6111.037+/-1.641 χ^2/NDF: 471661.4/15

Left Out: 8036.576+/-1.457 χ^2/NDF:884332.9/19

Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 7957.943+/-1.457 χ^2/NDF:1021068.2/18

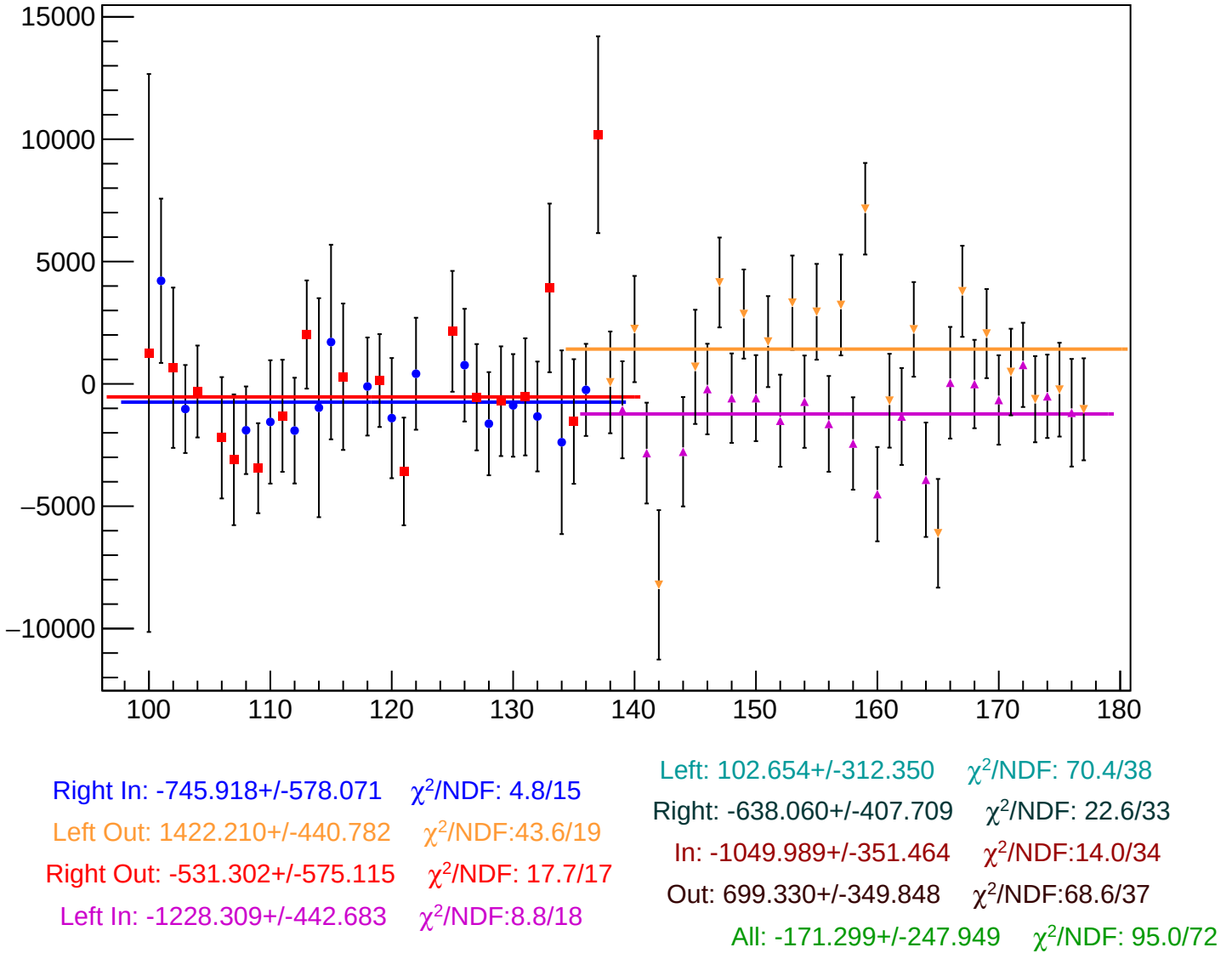
Left: 7997.242+/-1.030 χ^2/NDF: 1906857.4/38

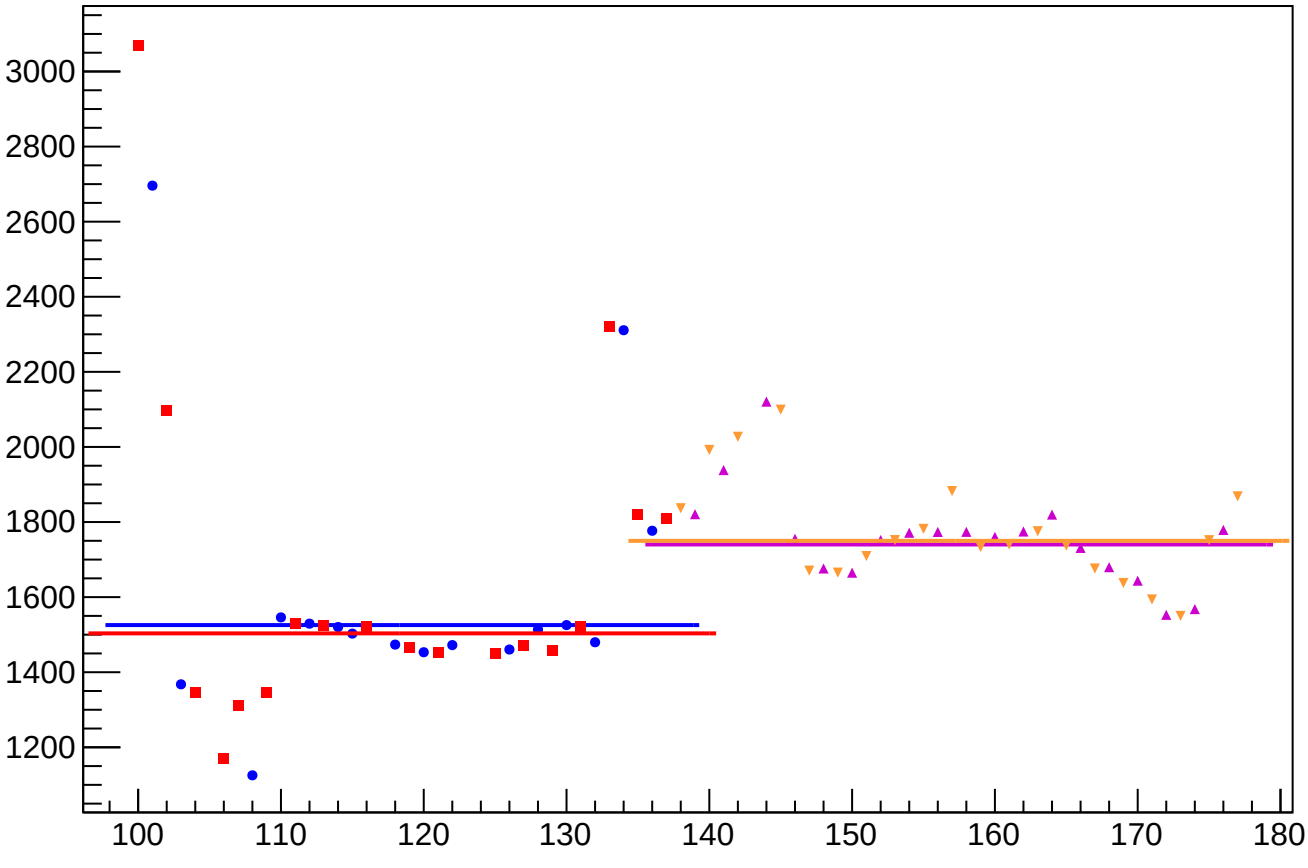
Right: 5720.463+/-1.089 χ^2/NDF: 1394599.9/33

In: 7143.749+/-1.089 χ^2/NDF:2201435.9/34

Out: 6724.373+/-1.030 χ^2/NDF:3327334.6/37

All: 6922.441+/-0.749 χ^2/NDF: 5606998.0/72


eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: -745.918+/-578.071 χ²/NDF: 4.8/15
Left Out: 1422.210+/-440.782 χ²/NDF:43.6/19
Right Out: -531.302+/-575.115 χ²/NDF: 17.7/17
Left In: -1228.309+/-442.683 χ²/NDF:8.8/18
Left: 102.654+/-312.350 χ²/NDF: 70.4/38
Right: -638.060+/-407.709 χ²/NDF: 22.6/33
In: -1049.989+/-351.464 χ²/NDF:14.0/34
Out: 699.330+/-349.848 χ²/NDF:68.6/37
All: -171.299+/-247.949 χ²/NDF: 95.0/72



Right In: 1525.536+/-0.409 χ^2/NDF: 488327.8/15

Left Out: 1749.878+/-0.312 χ^2/NDF:166604.7/19

Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

Left In: 1740.216+/-0.313 χ^2/NDF:143515.8/18

Left: 1745.068+/-0.221 χ^2/NDF: 310598.9/38

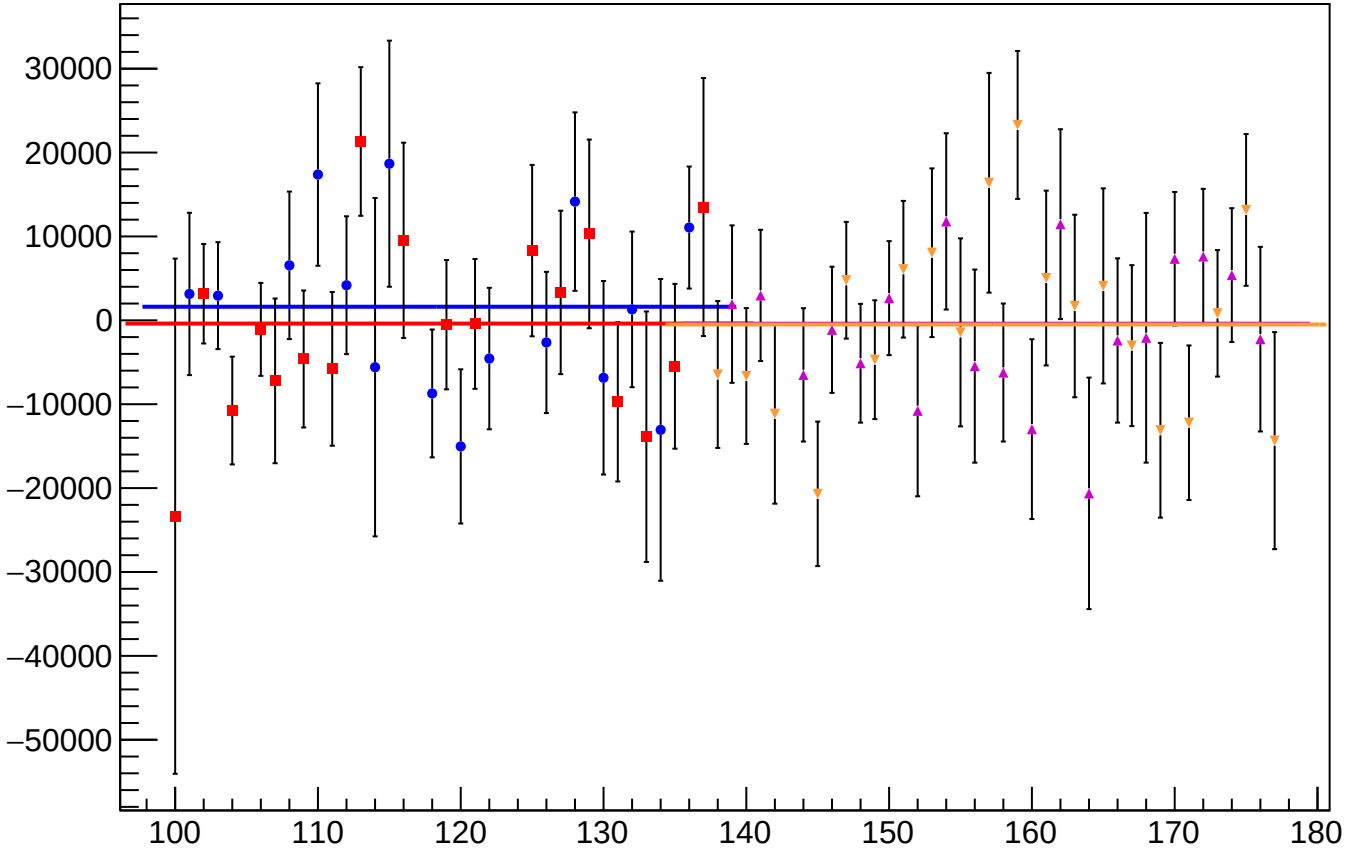
Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1660.858+/-0.249 χ^2/NDF:805715.7/34

Out: 1658.650+/-0.247 χ^2/NDF:736546.1/37

All: 1659.749+/-0.175 χ^2/NDF: 1542301.5/72

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1620.038+/-2320.027 χ^2/NDF: 14.3/15

Left Out: -497.333+/-2060.955 χ^2/NDF:25.9/19

Right Out: -385.948+/-2060.863 χ^2/NDF: 16.0/17

Left In: -401.088+/-2060.009 χ^2/NDF:11.7/18

Left: -449.188+/-1456.981 χ^2/NDF: 37.6/38

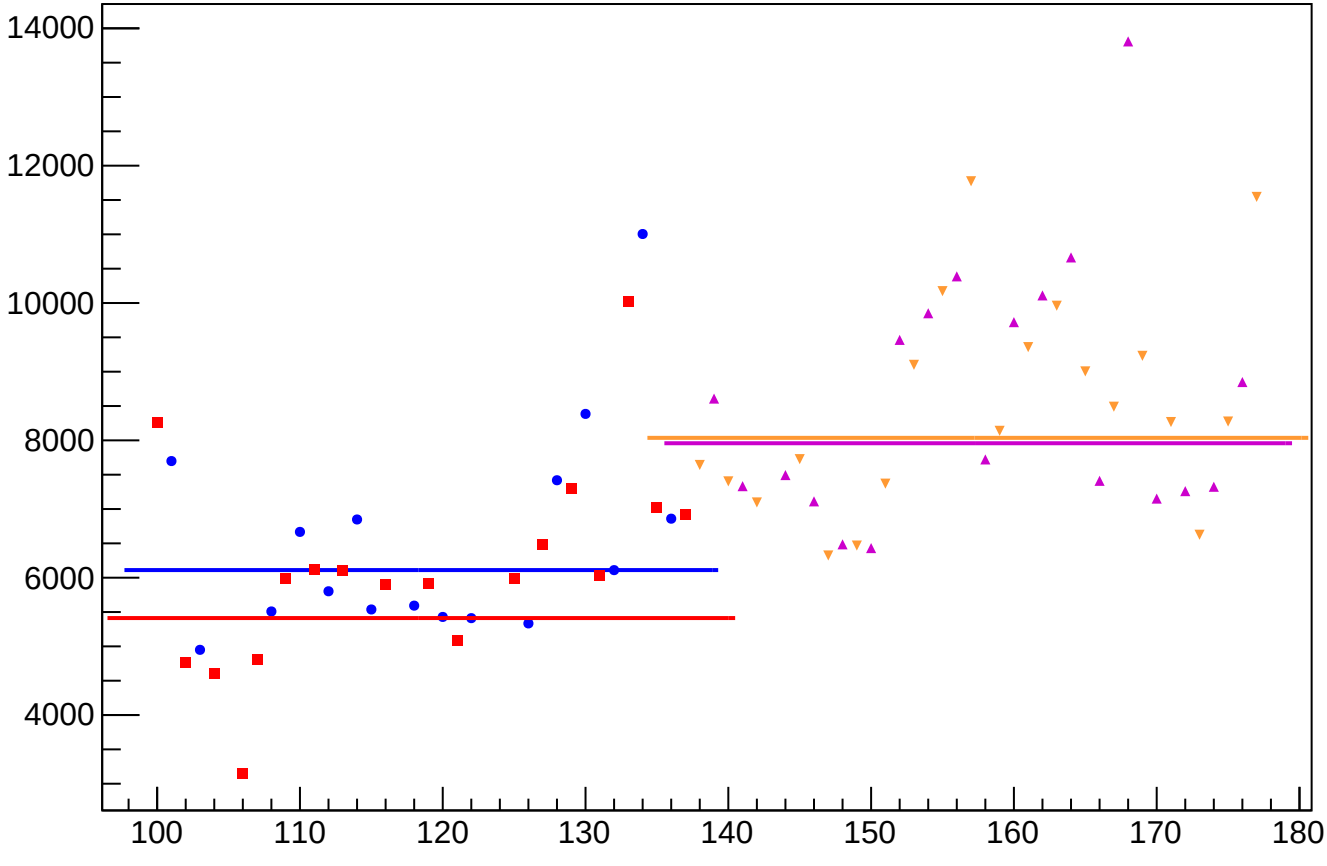
Right: 498.789+/-1540.764 χ^2/NDF: 30.7/33

In: 489.913+/-1540.407 χ^2/NDF:26.4/34

Out: -441.638+/-1457.283 χ^2/NDF:41.9/37

All: -1.674+/-1058.622 χ^2/NDF: 68.5/72

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 6111.023+/-1.641 χ^2/NDF: 471663.6/15

Left Out: 8036.589+/-1.457 χ^2/NDF:884334.1/19

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

Left In: 7957.955+/-1.457 χ^2/NDF:1021070.2/18

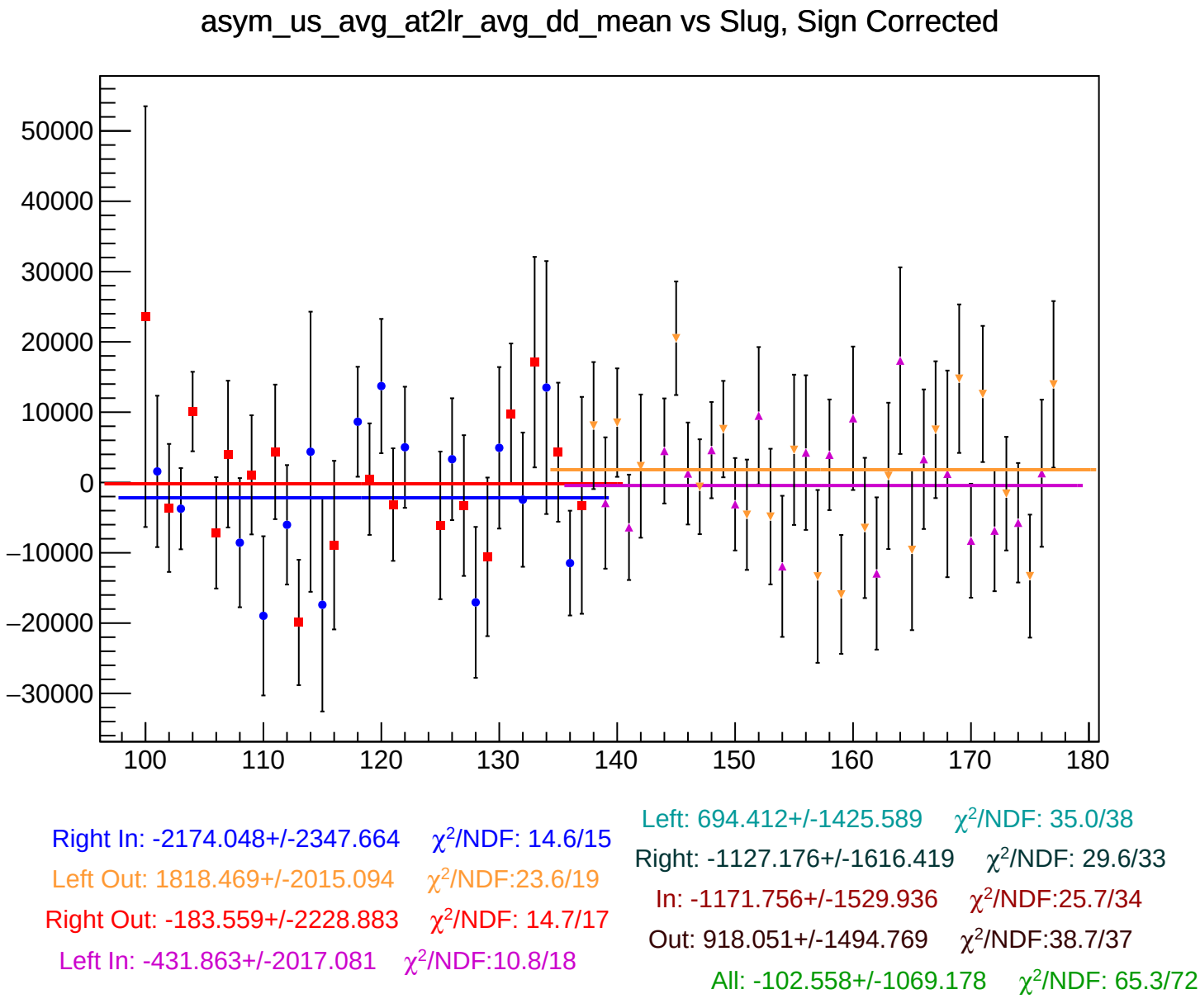
Left: 7997.254+/-1.030 χ^2/NDF: 1906860.7/38

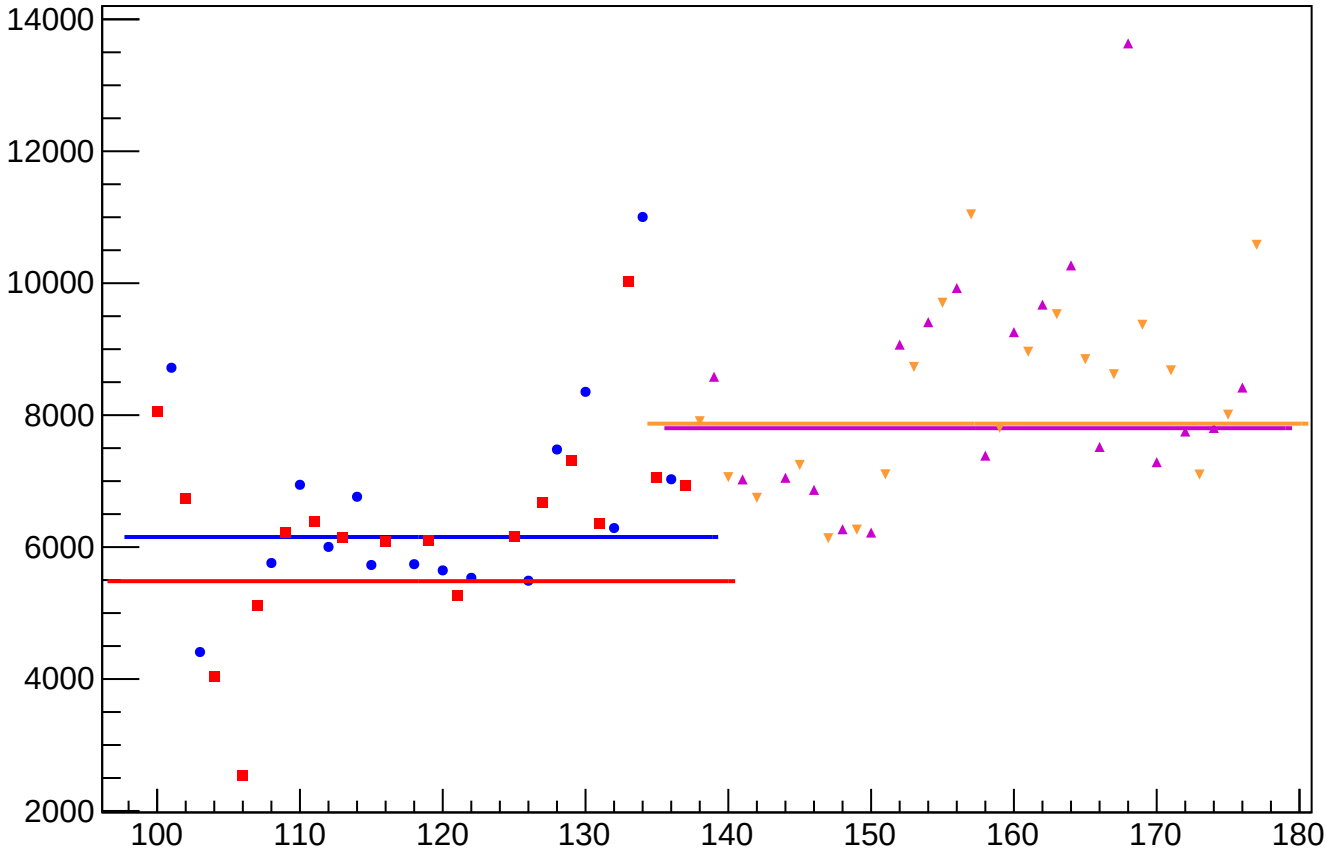
Right: 5720.451+/-1.089 χ^2/NDF: 1394602.1/33

In: 7143.746+/-1.089 χ^2/NDF:2201459.9/34

Out: 6724.369+/-1.030 χ^2/NDF:3327366.1/37

All: 6922.437+/-0.749 χ^2/NDF: 5607054.1/72


asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: -2174.048+/-2347.664 χ²/NDF: 14.6/15
Left Out: 1818.469+/-2015.094 χ²/NDF:23.6/19
Right Out: -183.559+/-2228.883 χ²/NDF: 14.7/17
Left In: -431.863+/-2017.081 χ²/NDF:10.8/18
Left: 694.412+/-1425.589 χ²/NDF: 35.0/38
Right: -1127.176+/-1616.419 χ²/NDF: 29.6/33
In: -1171.756+/-1529.936 χ²/NDF:25.7/34
Out: 918.051+/-1494.769 χ²/NDF:38.7/37
All: -102.558+/-1069.178 χ²/NDF: 65.3/72



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 7871.150+/-1.425 χ^2/NDF:806781.1/19

Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 7802.267+/-1.426 χ^2/NDF:971539.9/18

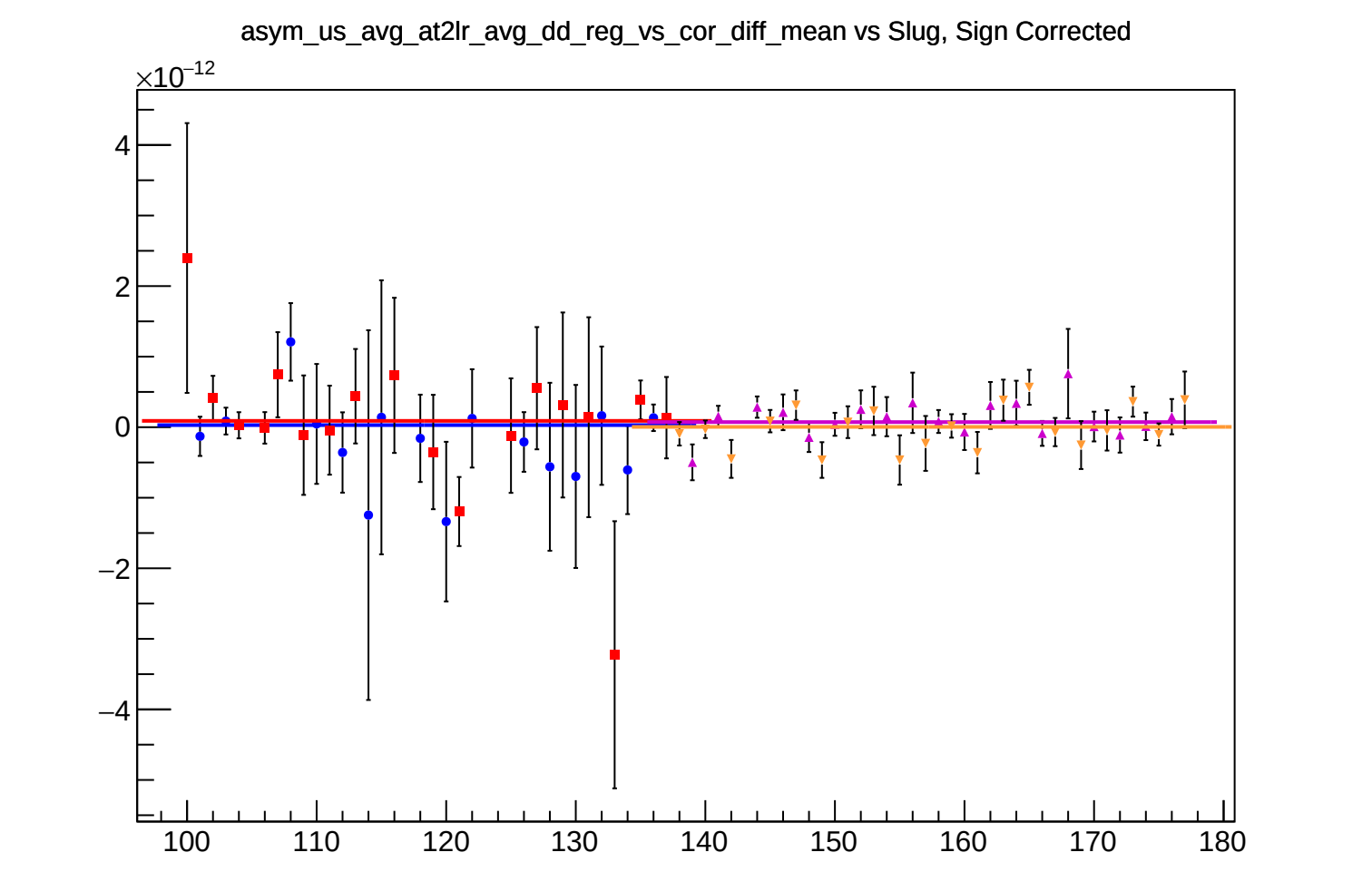
Left: 7836.743+/-1.008 χ^2/NDF: 1779488.4/38

Right: 5788.476+/-1.121 χ^2/NDF: 1861205.2/33

In: 7101.699+/-1.082 χ^2/NDF:2163642.5/34

Out: 6753.861+/-1.039 χ^2/NDF:3269523.3/37

All: 6920.822+/-0.750 χ^2/NDF: 5486924.1/72



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: 0.000+/-0.000 χ^2/NDF:14.0/18

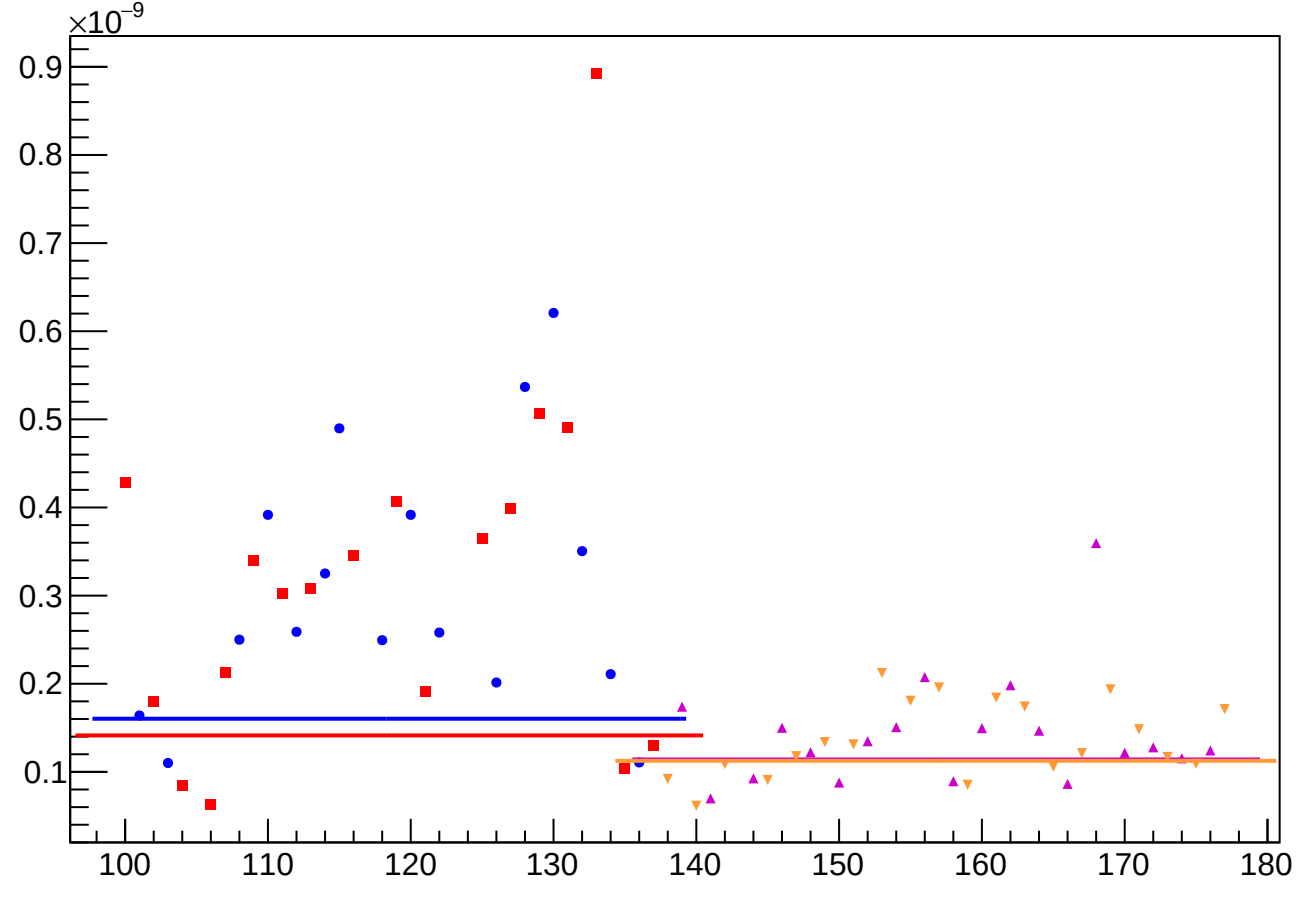
Left: 0.000+/-0.000 χ^2/NDF: 40.1/38

Right: 0.000+/-0.000 χ^2/NDF: 26.2/33

In: 0.000+/-0.000 χ^2/NDF:23.7/34

Out: 0.000+/-0.000 χ^2/NDF:42.2/37

All: 0.000+/-0.000 χ^2/NDF: 66.4/72



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1224931.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1163048.9/18

Left: 0.000+/-0.000 χ^2/NDF: 2388976.1/38

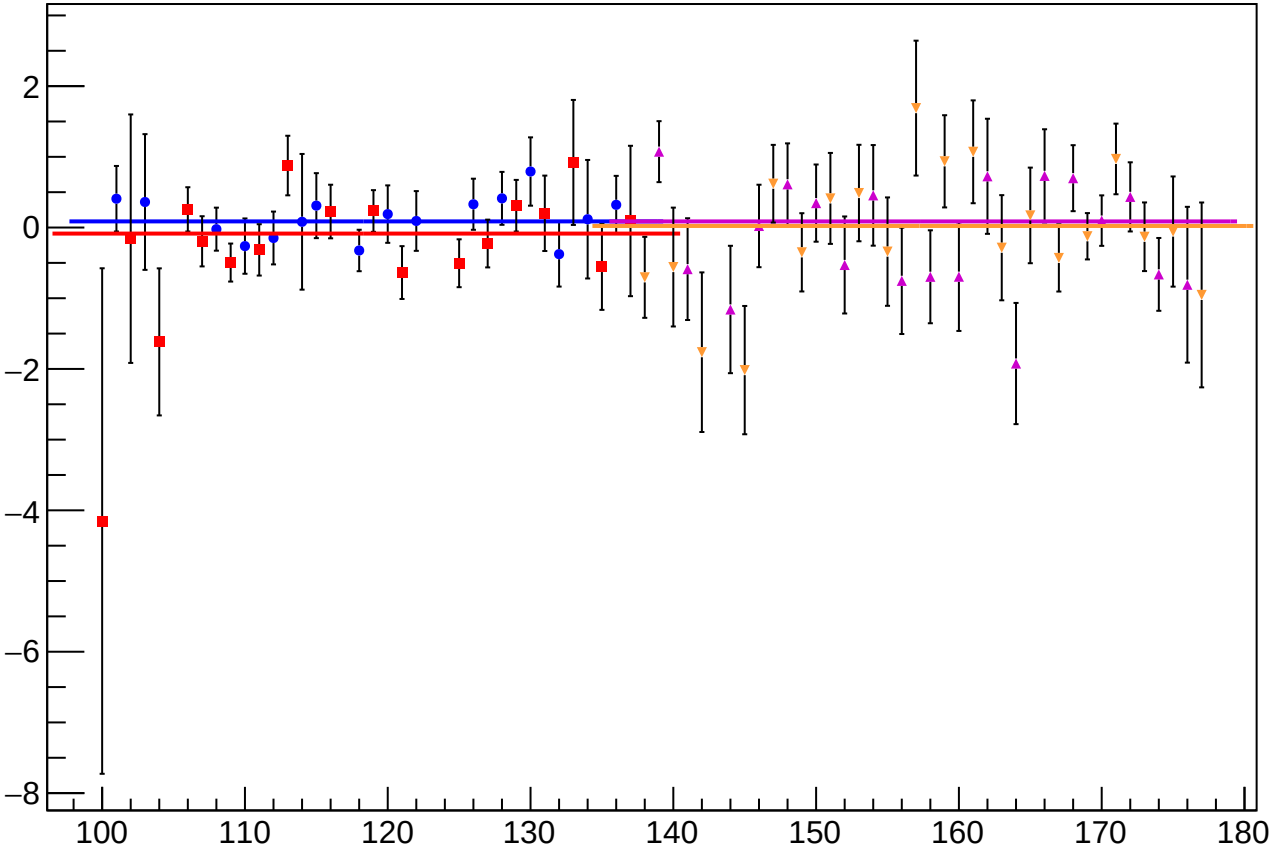
Right: 0.000+/-0.000 χ^2/NDF: 3529311.8/33

In: 0.000+/-0.000 χ^2/NDF:2815003.6/34

Out: 0.000+/-0.000 χ^2/NDF:3519861.8/37

All: 0.000+/-0.000 χ^2/NDF: 6347502.5/72

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.022+/-0.138 χ^2/NDF:25.0/19

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.087+/-0.136 χ^2/NDF:25.9/18

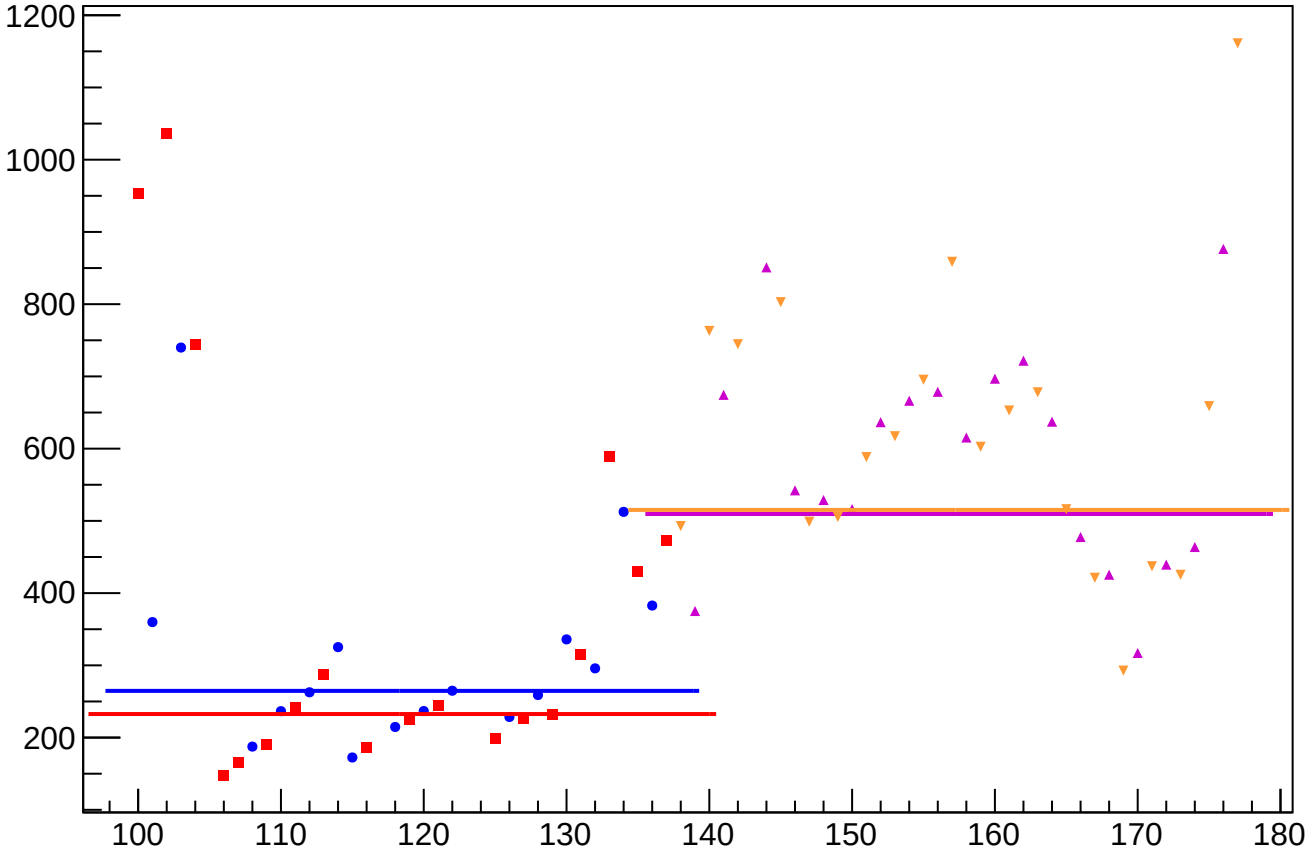
Left: 0.055+/-0.097 χ^2/NDF: 51.1/38

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.087+/-0.083 χ^2/NDF:34.8/34

Out: -0.050+/-0.079 χ^2/NDF:47.3/37

All: 0.015+/-0.057 χ^2/NDF: 83.4/72



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 515.175+/-0.097 χ^2/NDF:2780150.1/19

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 509.518+/-0.096 χ^2/NDF:2142026.6/18

Left: 512.315+/-0.068 χ^2/NDF: 4923887.6/38

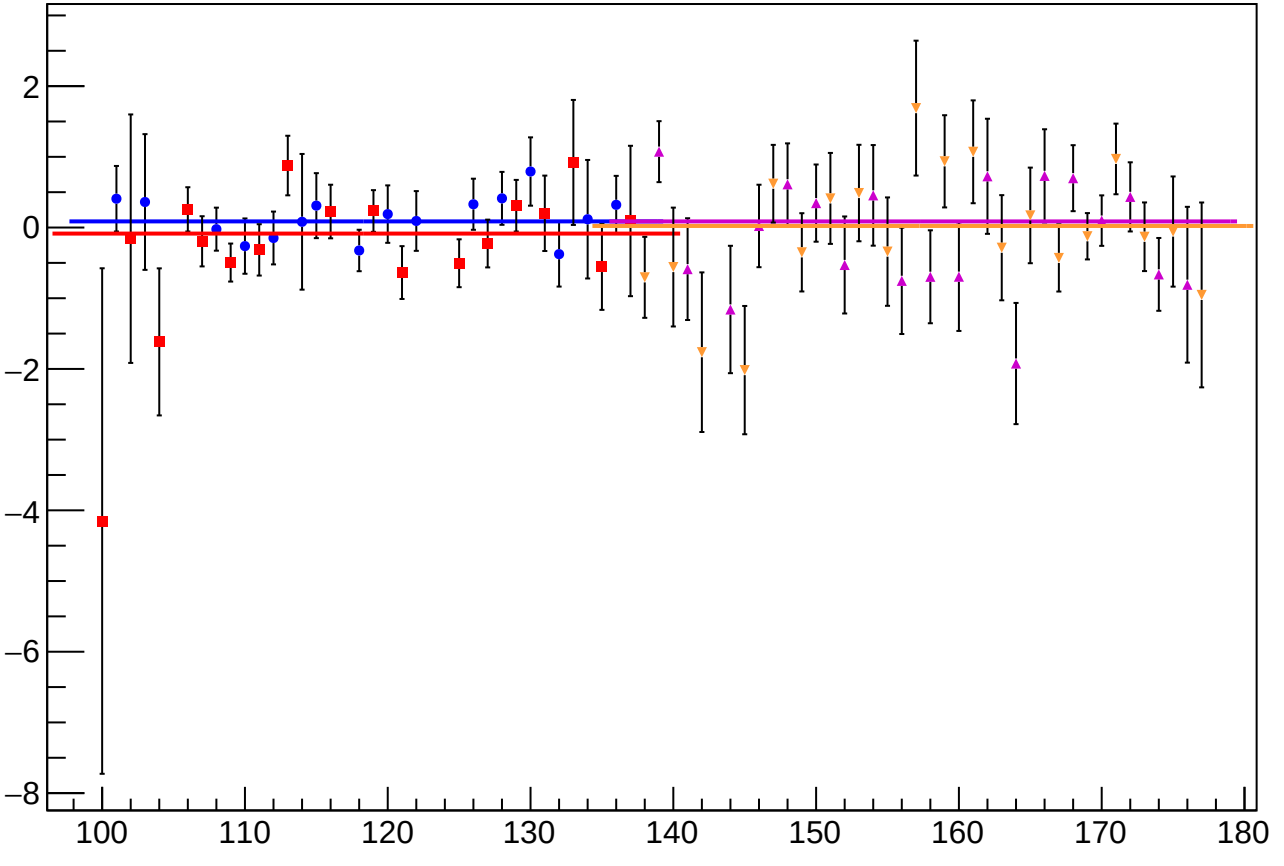
Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 356.204+/-0.059 χ^2/NDF:7485833.0/34

Out: 326.912+/-0.056 χ^2/NDF:10438846.2/37

All: 340.892+/-0.041 χ^2/NDF: 18054426.4/72

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.022+/-0.138 χ^2/NDF:25.0/19

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.087+/-0.136 χ^2/NDF:25.9/18

Left: 0.055+/-0.097 χ^2/NDF: 51.1/38

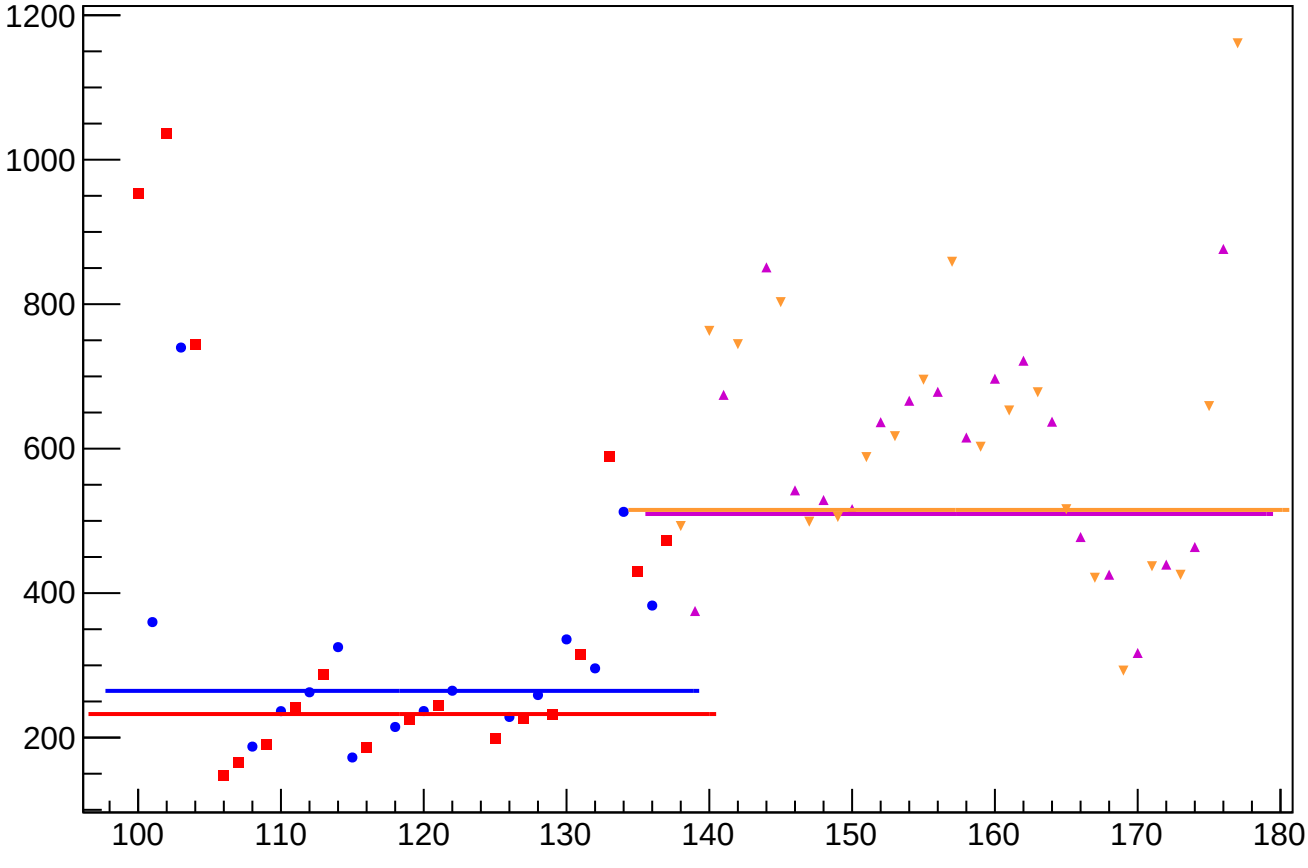
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.087+/-0.083 χ^2/NDF:34.8/34

Out: -0.050+/-0.079 χ^2/NDF:47.3/37

All: 0.015+/-0.057 χ^2/NDF: 83.4/72

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 515.175+/-0.097 χ^2/NDF:2780150.1/19

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 509.518+/-0.096 χ^2/NDF:2142026.6/18

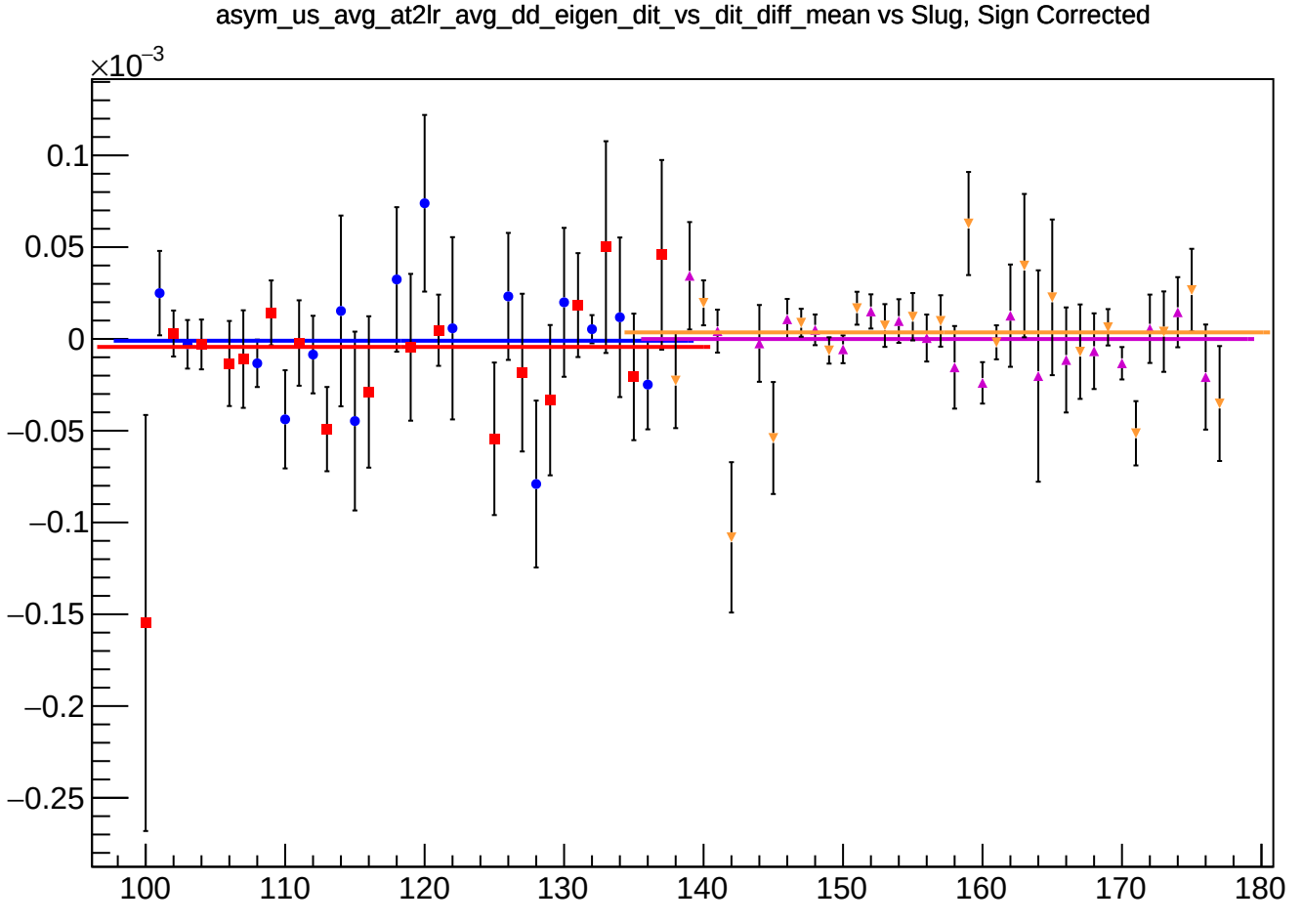
Left: 512.315+/-0.068 χ^2/NDF: 4923887.6/38

Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 356.204+/-0.059 χ^2/NDF:7485833.0/34

Out: 326.912+/-0.056 χ^2/NDF:10438846.2/37

All: 340.892+/-0.041 χ^2/NDF: 18054426.4/72



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:37.5/19

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:15.6/18

Left: 0.000+/-0.000 χ^2/NDF: 53.9/38

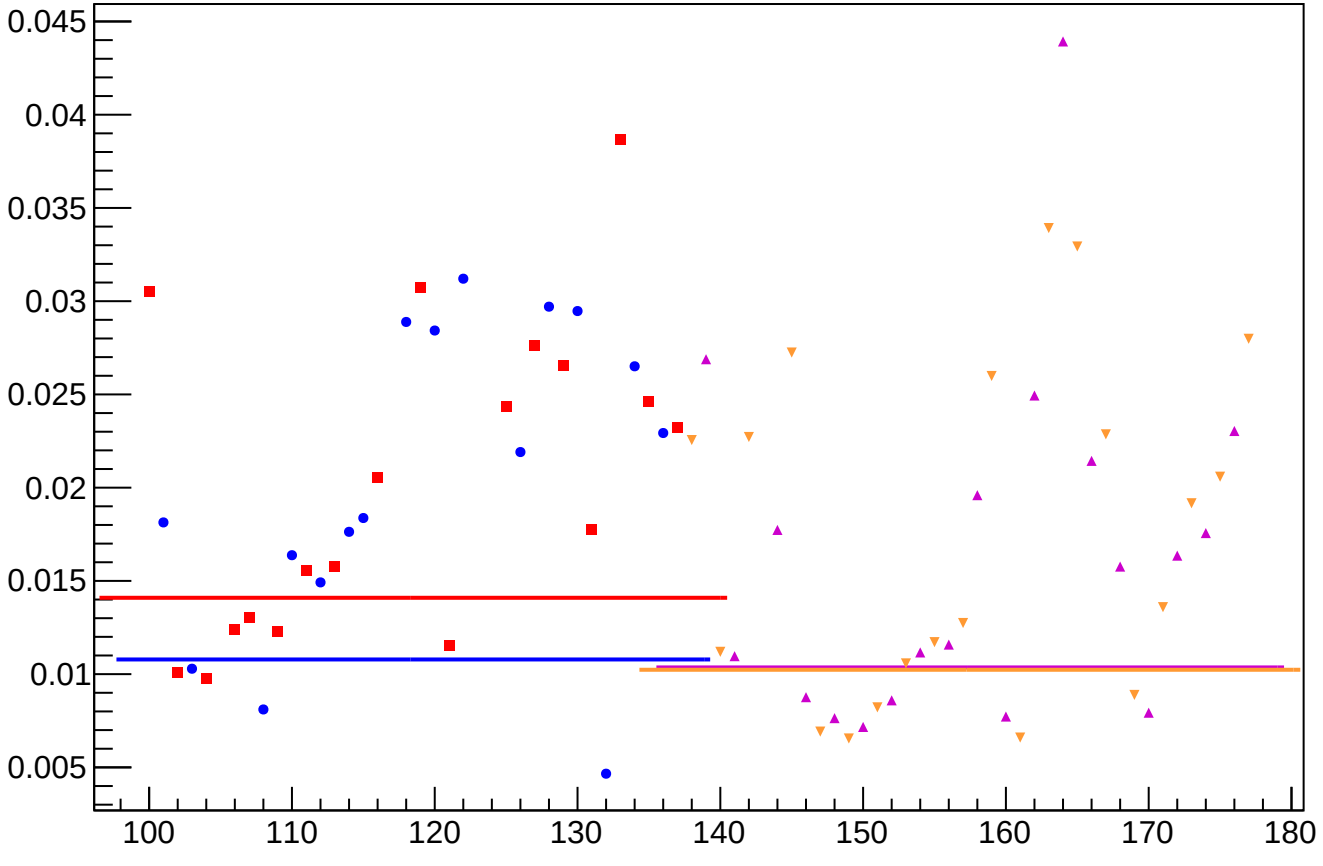
Right: -0.000+/-0.000 χ^2/NDF: 27.2/33

In: -0.000+/-0.000 χ^2/NDF:30.0/34

Out: 0.000+/-0.000 χ^2/NDF:51.6/37

All: 0.000+/-0.000 χ^2/NDF: 82.0/72

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:6610052.7/19

Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

Left In: 0.010+/-0.000 χ^2/NDF:4744495.0/18

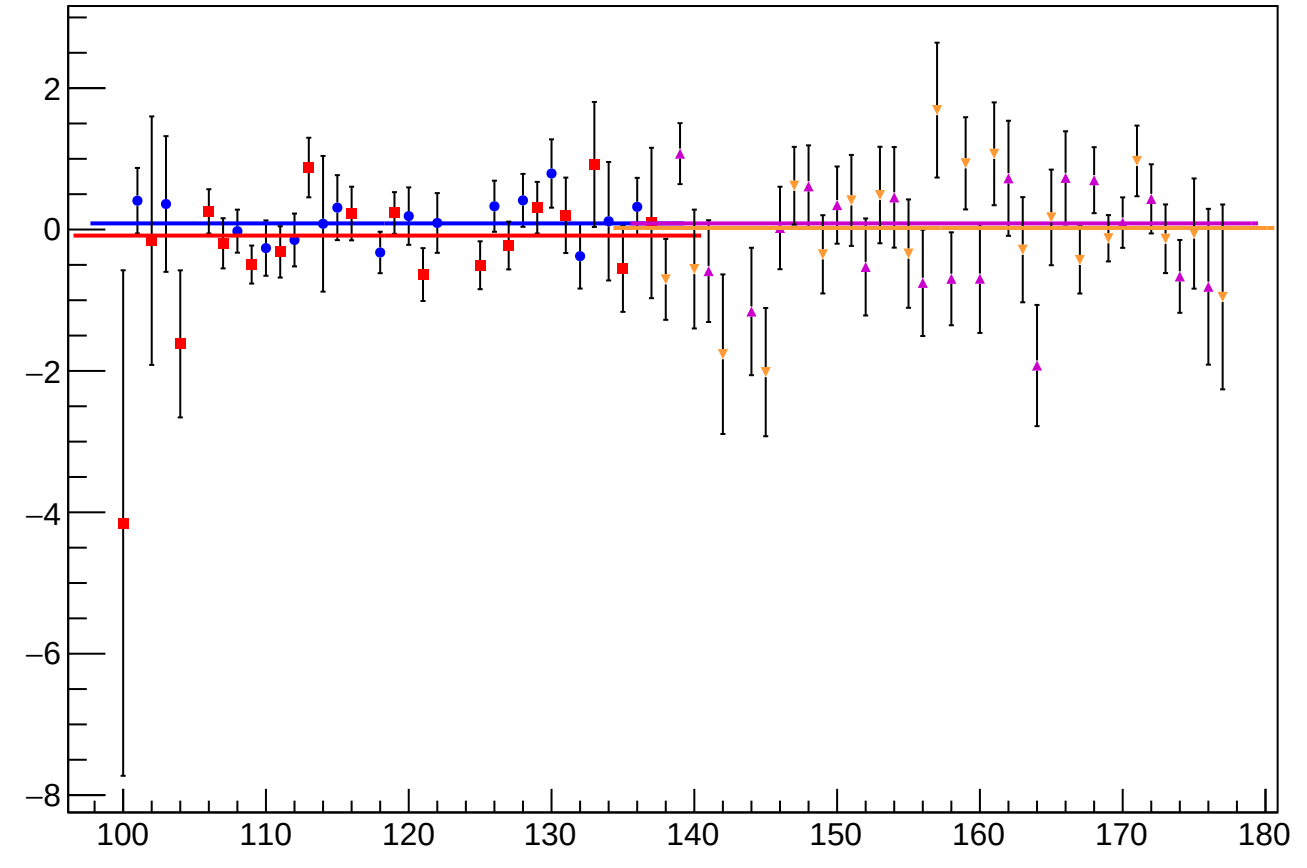
Left: 0.010+/-0.000 χ^2/NDF: 11356284.7/38

Right: 0.012+/-0.000 χ^2/NDF: 7045946.1/33

In: 0.010+/-0.000 χ^2/NDF:9335378.7/34

Out: 0.011+/-0.000 χ^2/NDF:9408191.4/37

All: 0.011+/-0.000 χ^2/NDF: 18793992.1/72



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.022+/-0.138 χ^2/NDF:25.0/19

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.087+/-0.136 χ^2/NDF:25.9/18

Left: 0.055+/-0.097 χ^2/NDF: 51.1/38

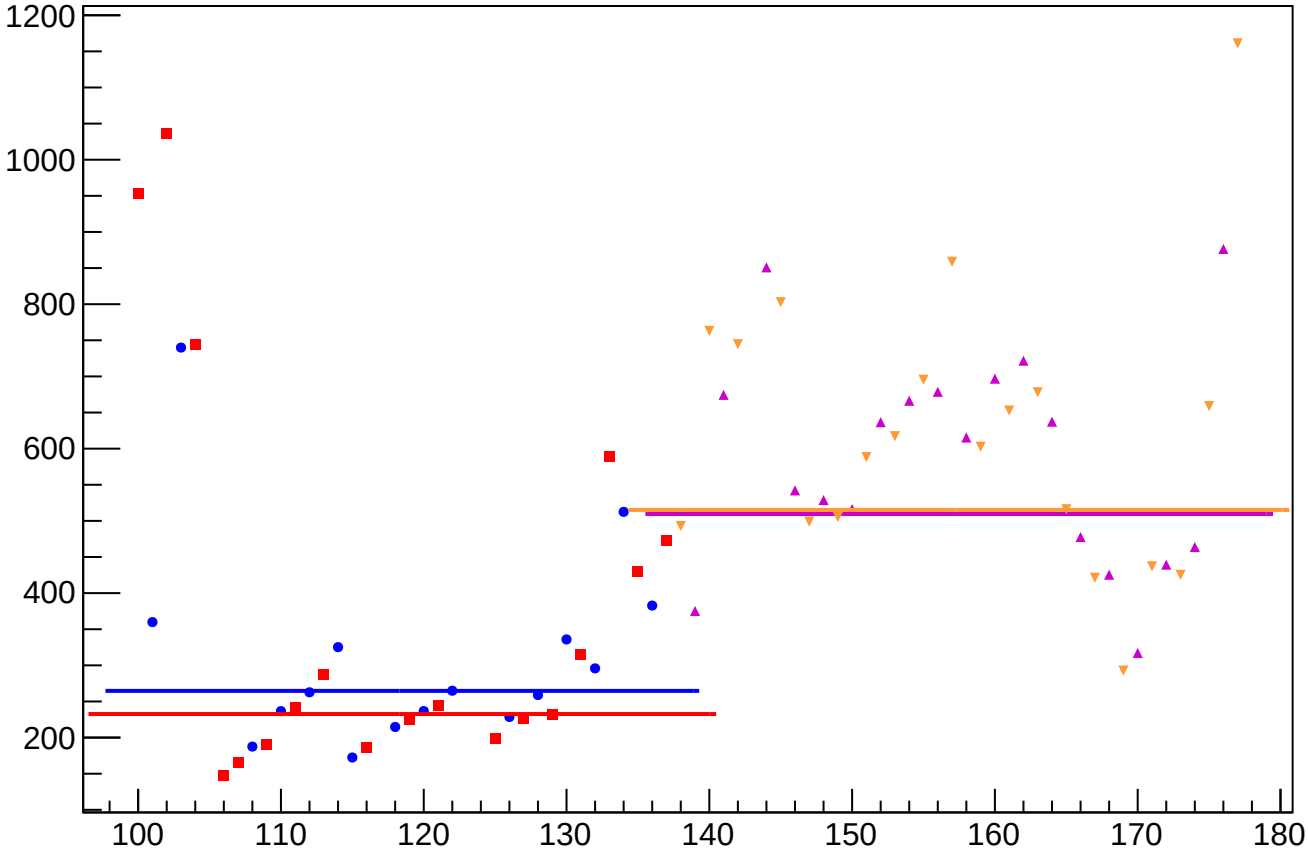
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.087+/-0.083 χ^2/NDF:34.8/34

Out: -0.050+/-0.079 χ^2/NDF:47.3/37

All: 0.015+/-0.057 χ^2/NDF: 83.4/72

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 515.175+/-0.097 χ^2/NDF:2780291.4/19

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 509.521+/-0.096 χ^2/NDF:2142084.5/18

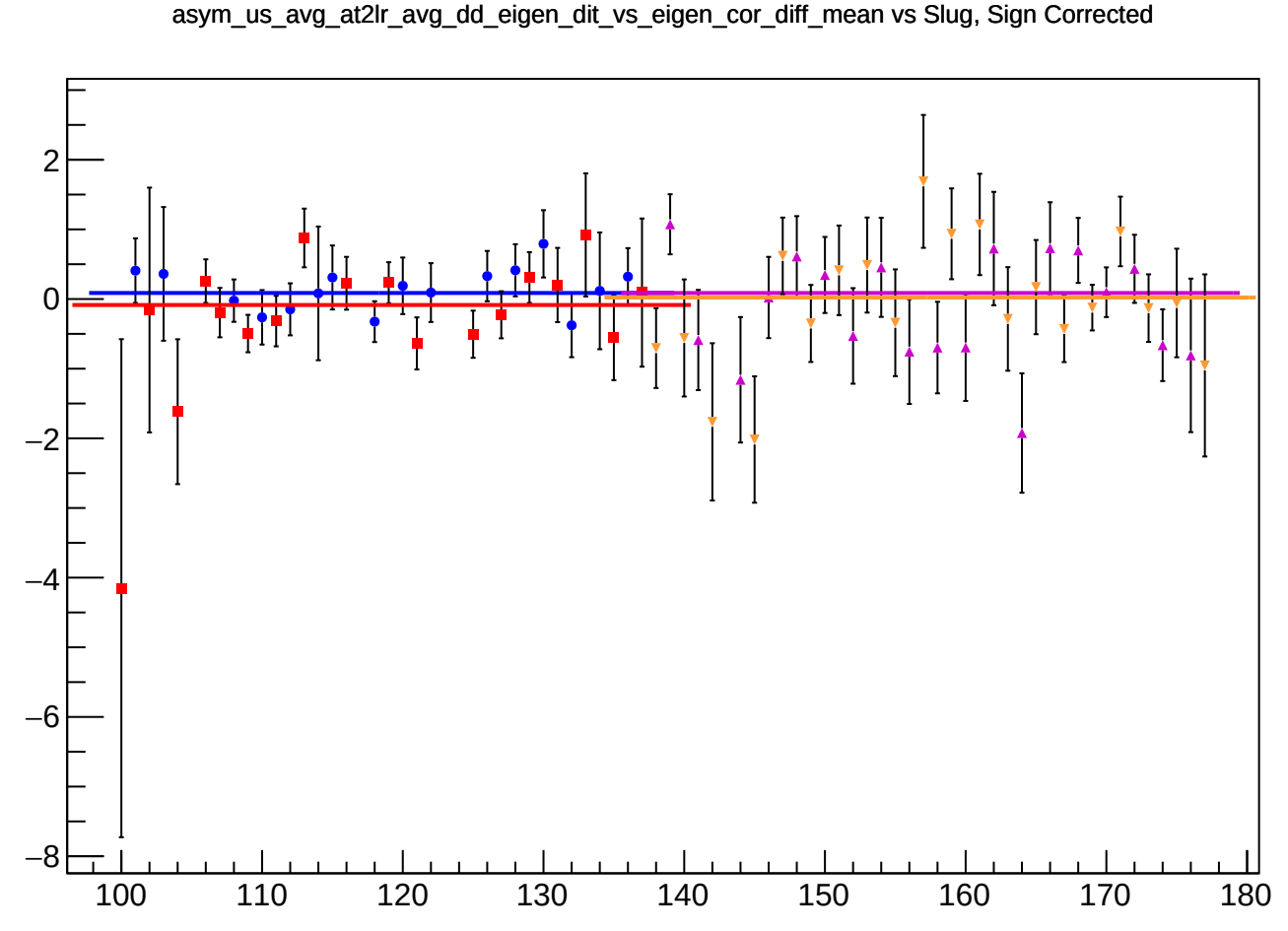
Left: 512.316+/-0.068 χ^2/NDF: 4924085.0/38

Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 356.204+/-0.059 χ^2/NDF:7485936.5/34

Out: 326.913+/-0.056 χ^2/NDF:10438933.9/37

All: 340.892+/-0.041 χ^2/NDF: 18054613.5/72



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.022+/-0.138 χ^2/NDF:25.0/19

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.087+/-0.136 χ^2/NDF:25.9/18

Left: 0.055+/-0.097 χ^2/NDF: 51.1/38

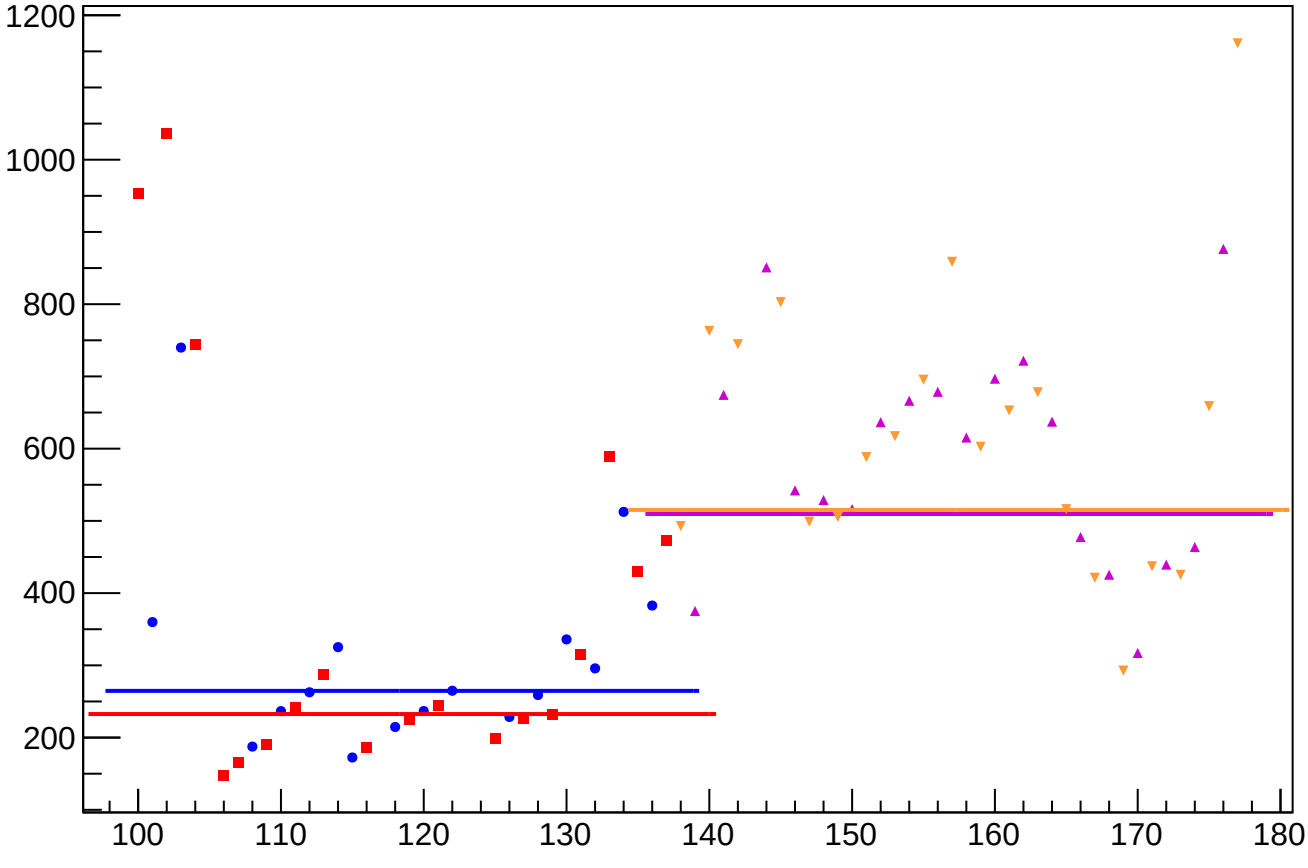
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.087+/-0.083 χ^2/NDF:34.8/34

Out: -0.050+/-0.079 χ^2/NDF:47.3/37

All: 0.015+/-0.057 χ^2/NDF: 83.4/72

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: 515.175+/-0.097 χ^2/NDF:2780291.4/19

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 509.521+/-0.096 χ^2/NDF:2142084.5/18

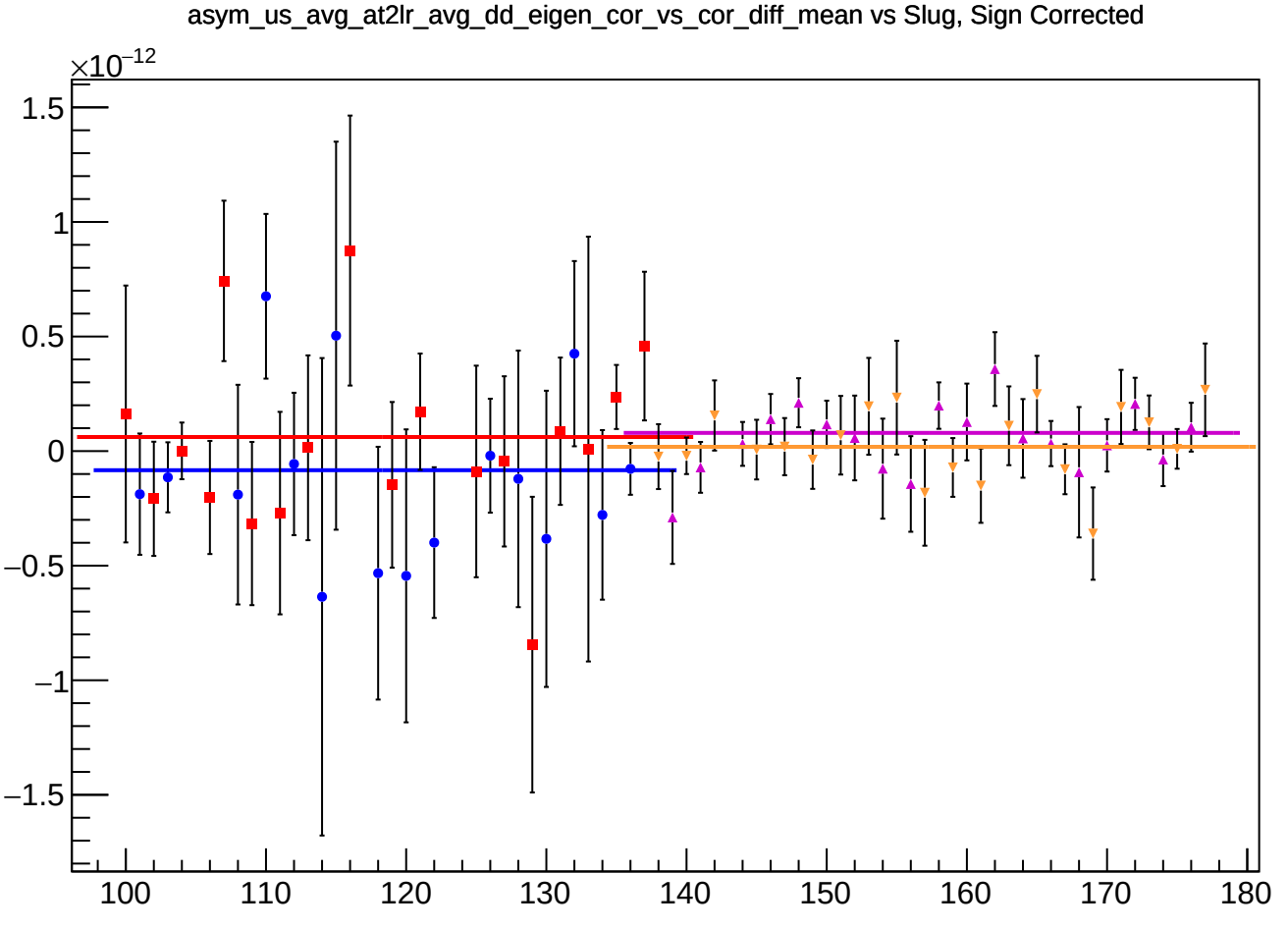
Left: 512.316+/-0.068 χ^2/NDF: 4924085.0/38

Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 356.204+/-0.059 χ^2/NDF:7485936.5/34

Out: 326.913+/-0.056 χ^2/NDF:10438933.9/37

All: 340.892+/-0.041 χ^2/NDF: 18054613.5/72



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:16.6/18

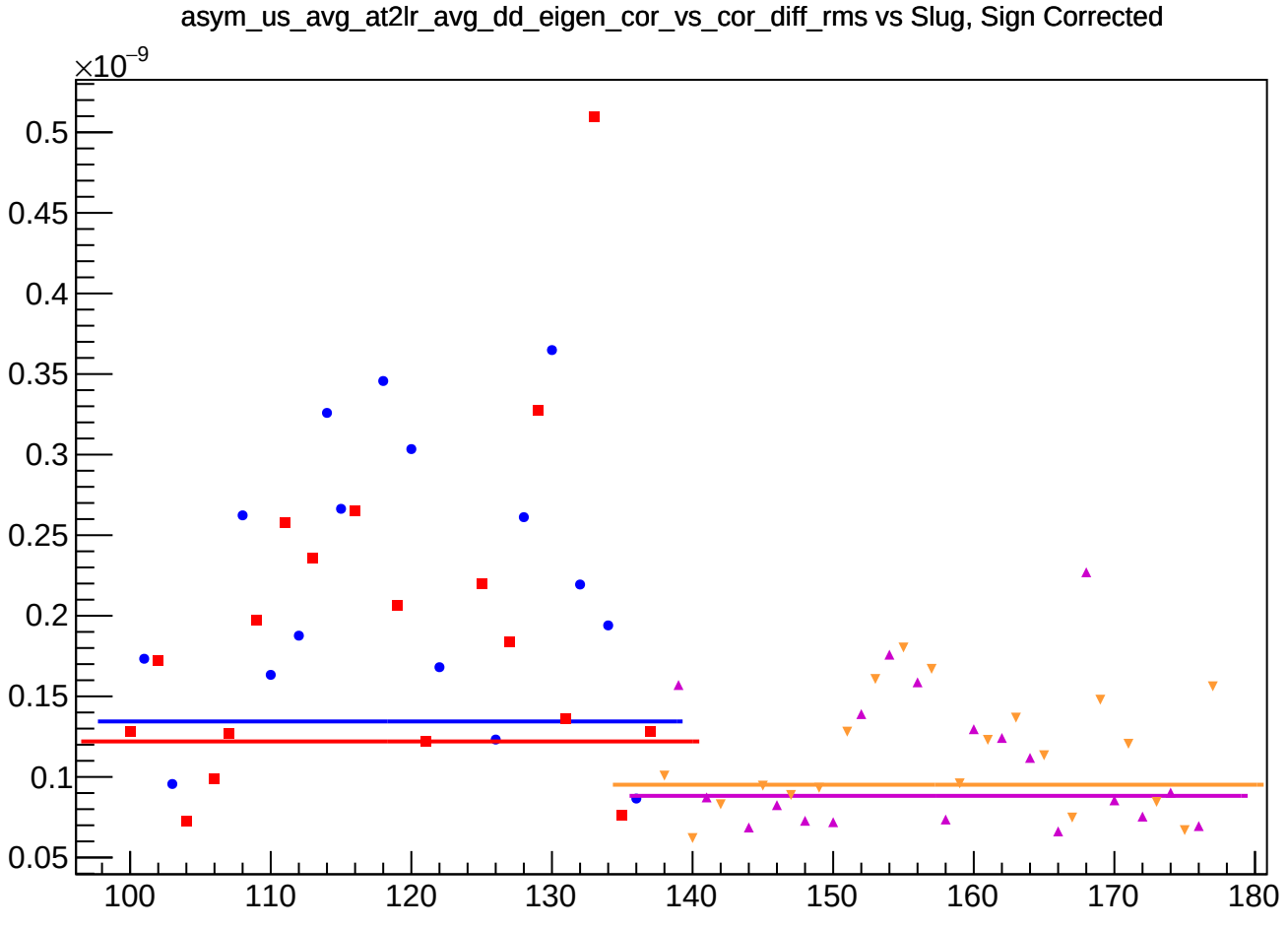
Left: 0.000+/-0.000 χ^2/NDF: 33.9/38

Right: -0.000+/-0.000 χ^2/NDF: 27.8/33

In: 0.000+/-0.000 χ^2/NDF:31.1/34

Out: 0.000+/-0.000 χ^2/NDF:31.3/37

All: 0.000+/-0.000 χ^2/NDF: 62.9/72



Right In: 0.000+/-0.000 χ^2/NDF: 1814968.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1928027.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2003381.5/17

Left In: 0.000+/-0.000 χ^2/NDF:2078598.3/18

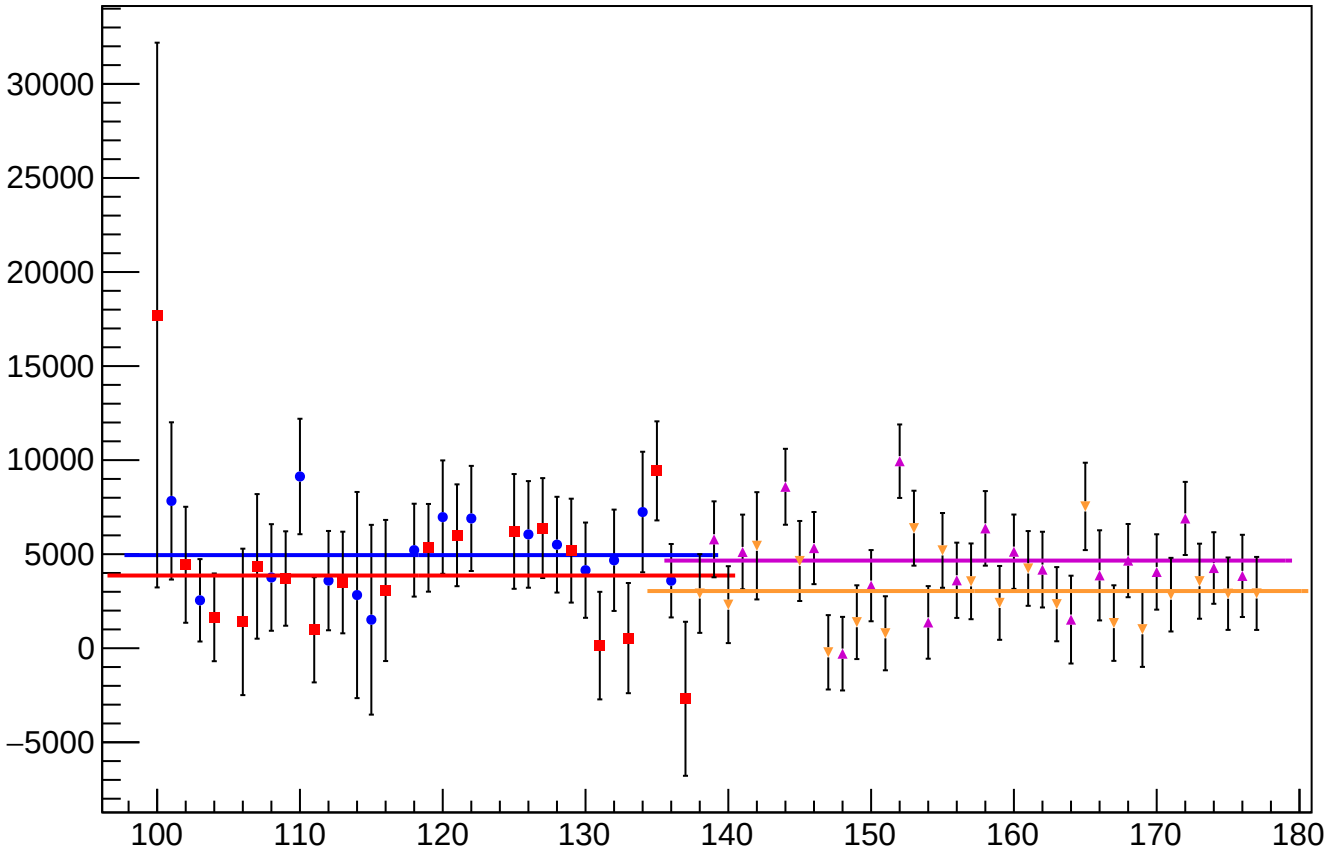
Left: 0.000+/-0.000 χ^2/NDF: 4060429.5/38

Right: 0.000+/-0.000 χ^2/NDF: 3852912.0/33

In: 0.000+/-0.000 χ^2/NDF:4654726.1/34

Out: 0.000+/-0.000 χ^2/NDF:4214401.1/37

All: 0.000+/-0.000 χ^2/NDF: 8901573.5/72



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3039.313+/-454.660 χ^2/NDF:16.4/19

Right Out: 3865.145+/-695.781 χ^2/NDF: 16.2/17

Left In: 4659.519+/-460.499 χ^2/NDF:26.0/18

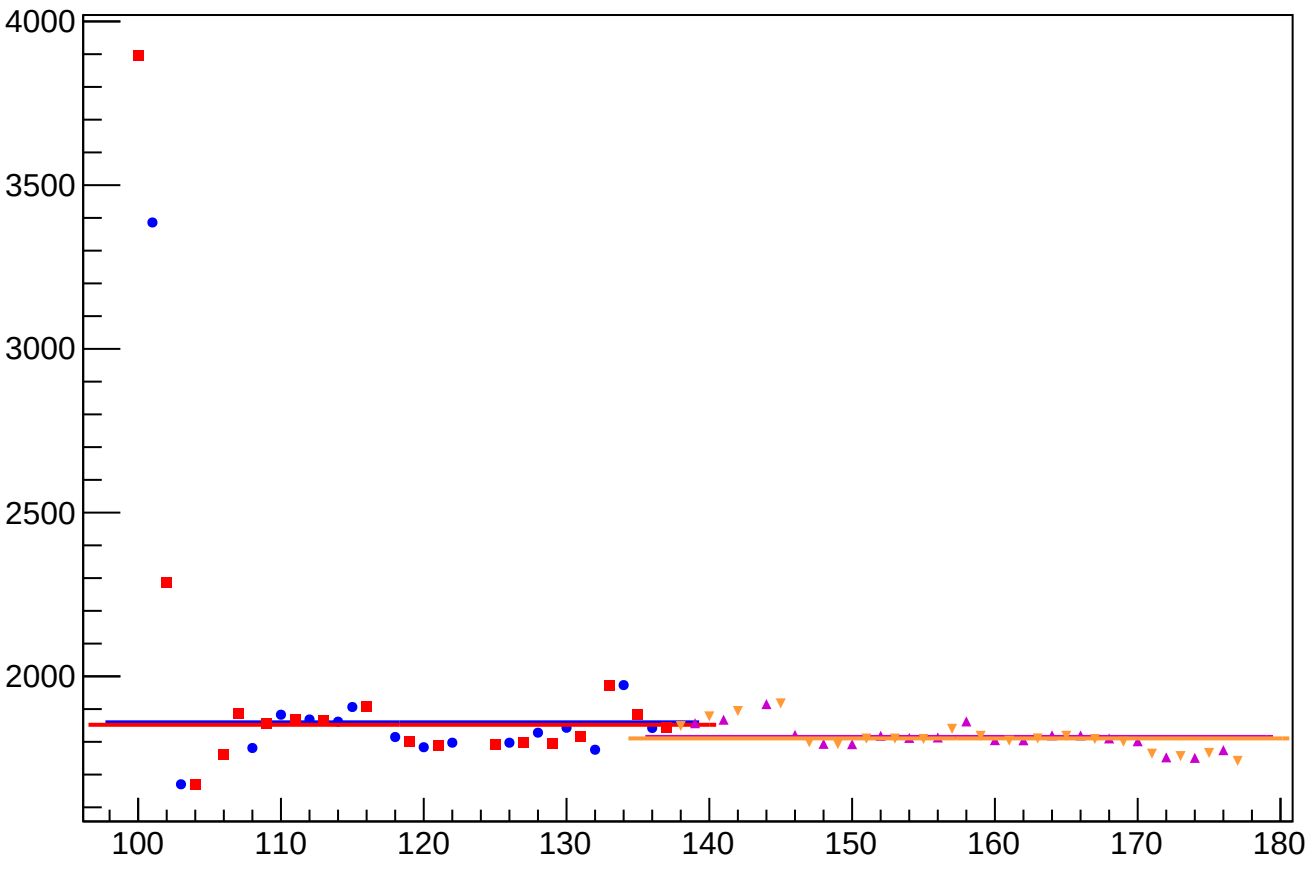
Left: 3839.079+/-323.538 χ^2/NDF: 48.7/38

Right: 4405.277+/-493.103 χ^2/NDF: 24.2/33

In: 4747.543+/-384.539 χ^2/NDF:33.0/34

Out: 3286.426+/-380.605 χ^2/NDF:33.5/37

All: 4009.473+/-270.509 χ^2/NDF: 73.8/72



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1810.444+/-0.321 χ^2/NDF:16554.6/19

Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1814.945+/-0.326 χ^2/NDF:14093.1/18

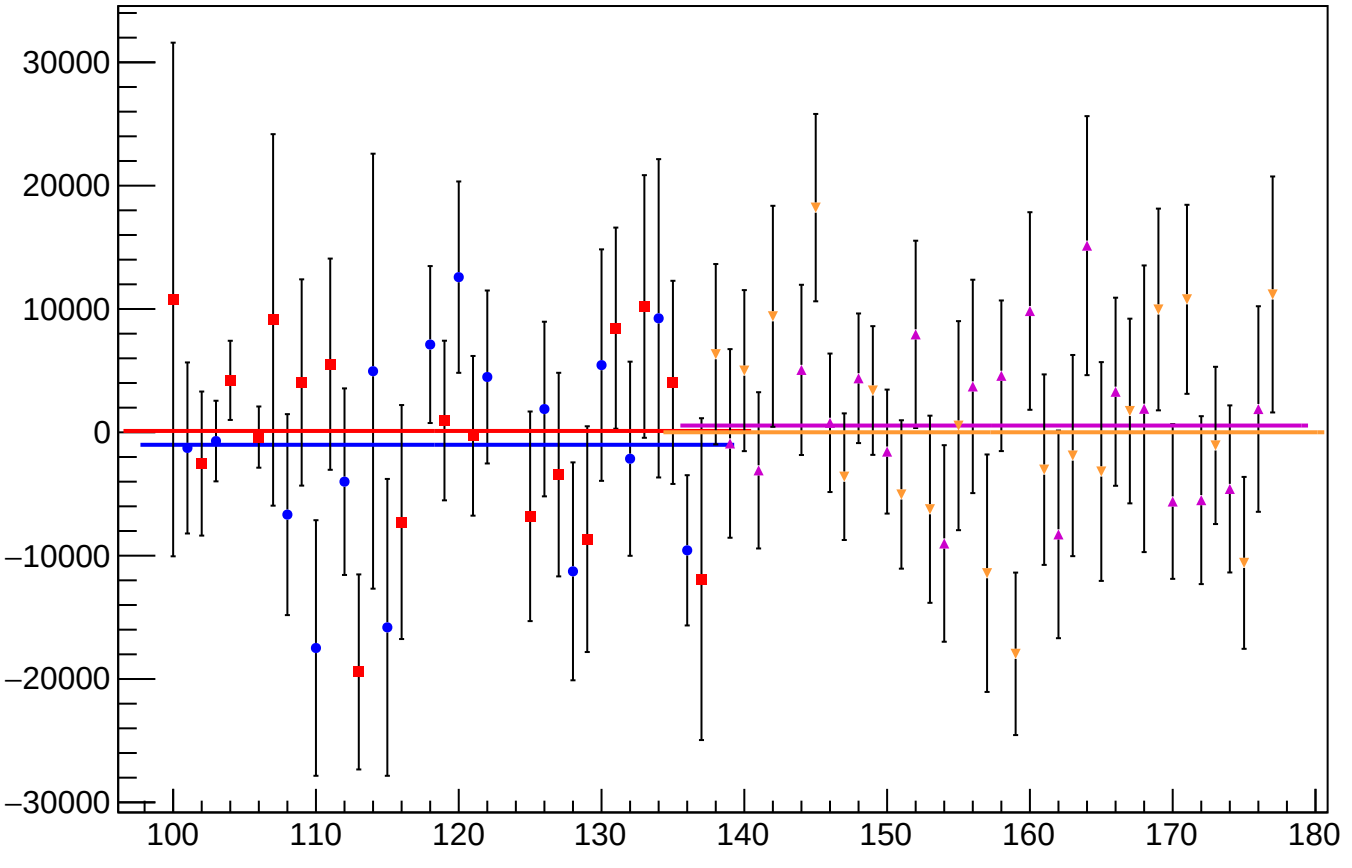
Left: 1812.666+/-0.229 χ^2/NDF: 30744.4/38

Right: 1855.759+/-0.348 χ^2/NDF: 394661.4/33

In: 1828.434+/-0.272 χ^2/NDF:312097.3/34

Out: 1822.951+/-0.269 χ^2/NDF:123803.6/37

All: 1825.662+/-0.191 χ^2/NDF: 436106.5/72



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: 4.684+/-1601.619 χ^2/NDF:26.9/19

Right Out: 111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: 550.291+/-1600.511 χ^2/NDF:11.3/18

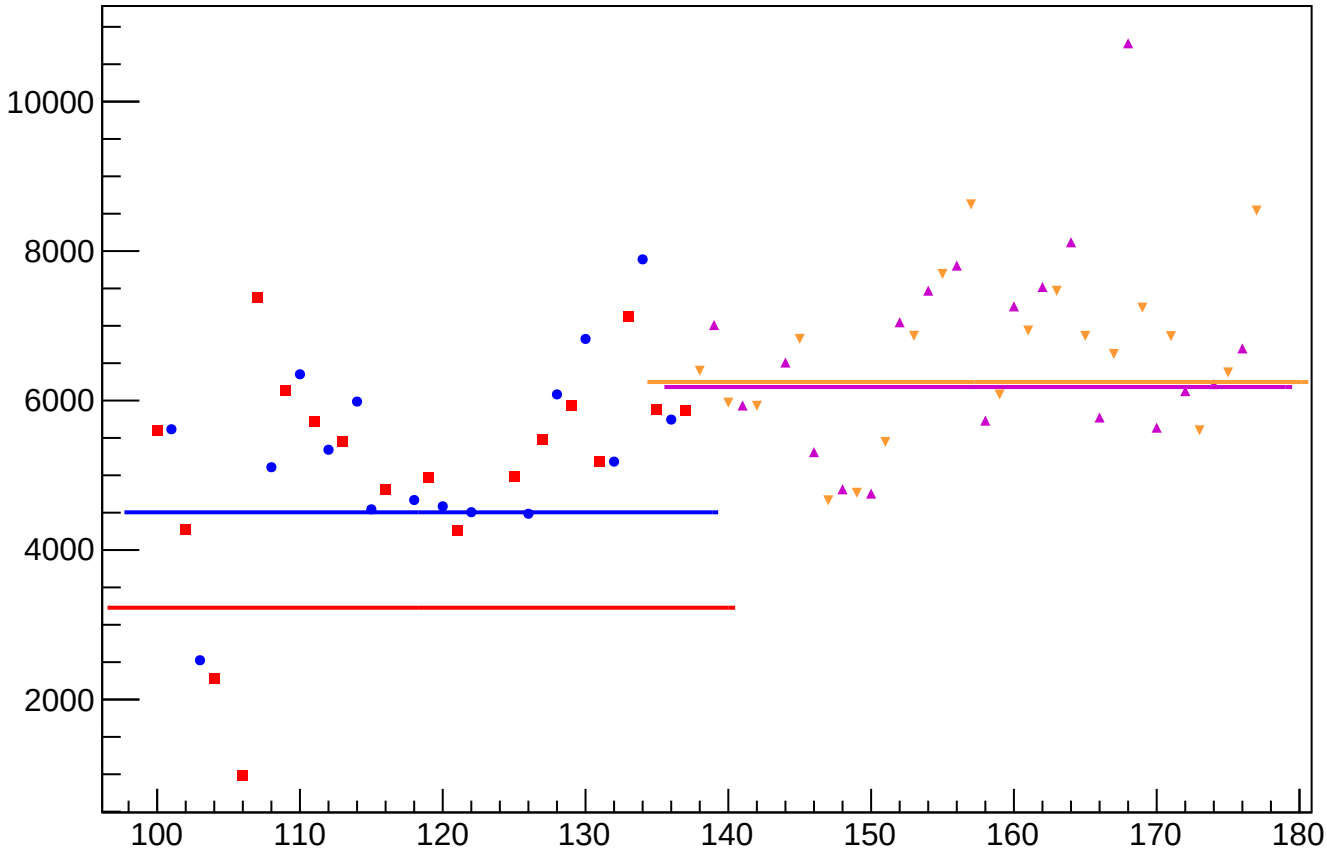
Left: 277.676+/-1132.124 χ^2/NDF: 38.3/38

Right: -336.636+/-1114.867 χ^2/NDF: 29.6/33

In: -154.266+/-1185.382 χ^2/NDF:26.5/34

Out: 63.674+/-1070.217 χ^2/NDF:41.5/37

All: -34.198+/-794.361 χ^2/NDF: 68.0/72



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 6247.647+/-1.133 χ^2/NDF:854213.1/19

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

Left In: 6180.991+/-1.132 χ^2/NDF:1032234.7/18

Left: 6214.296+/-0.801 χ^2/NDF: 1888181.1/38

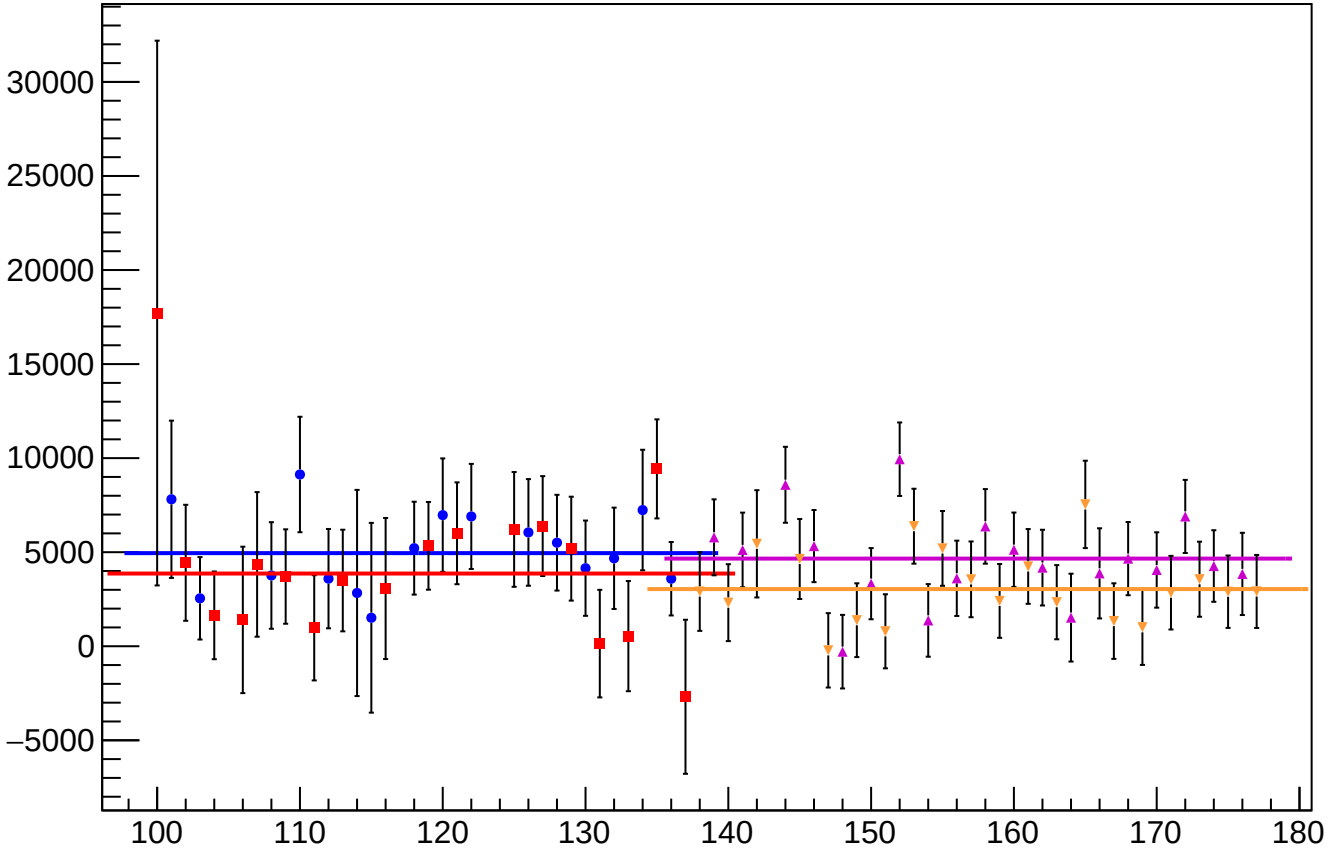
Right: 3738.256+/-0.788 χ^2/NDF: 5906121.0/33

In: 5424.233+/-0.838 χ^2/NDF:3343706.3/34

Out: 4576.619+/-0.757 χ^2/NDF:8743979.4/37

All: 4957.261+/-0.562 χ^2/NDF: 12651066.3/7

cor_asym_us_avg_atlr_avg_avg_mean vs Slug, Sign Corrected



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3039.238+/-454.660 χ^2/NDF:16.4/19

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4659.564+/-460.499 χ^2/NDF:26.0/18

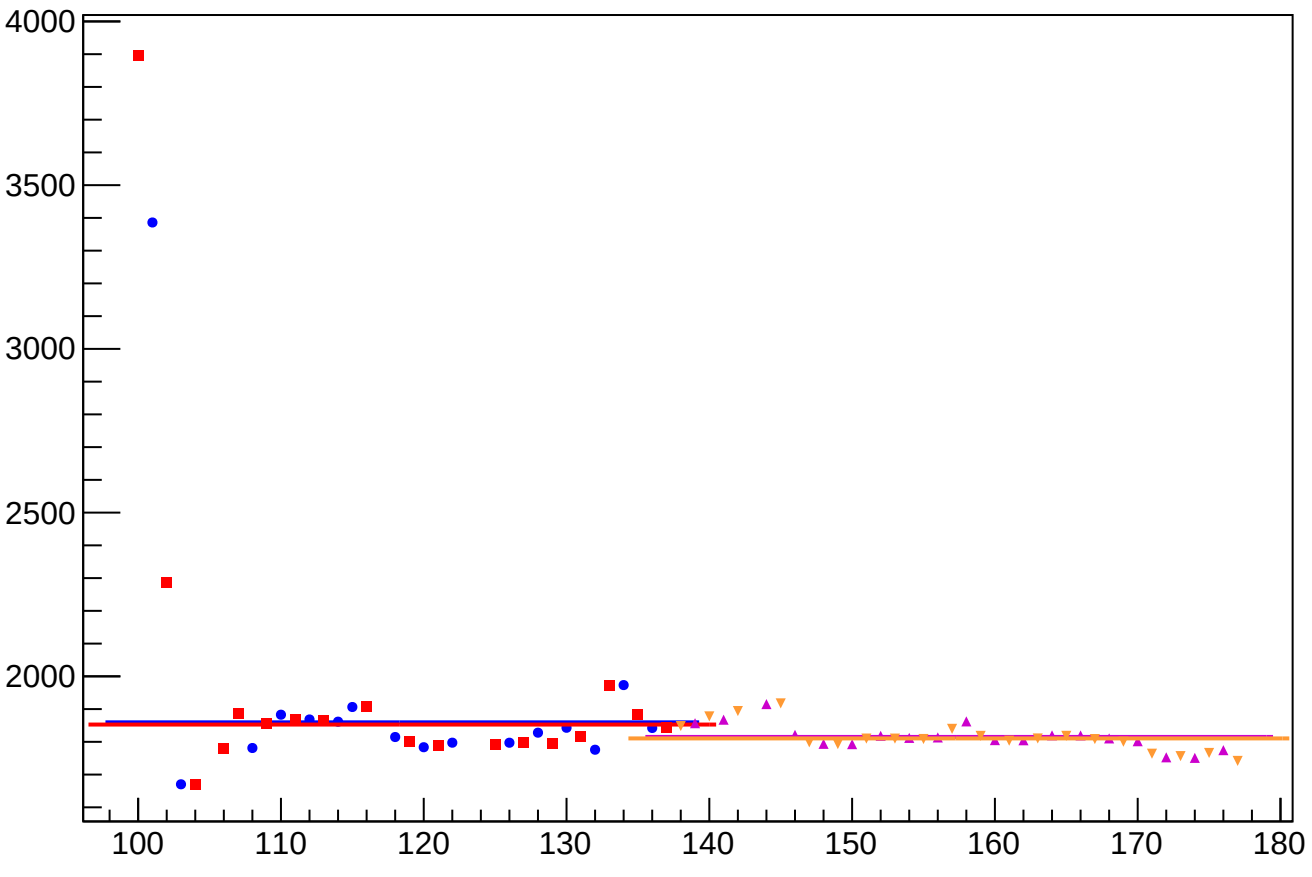
Left: 3839.063+/-323.538 χ^2/NDF: 48.7/38

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4747.428+/-384.539 χ^2/NDF:33.0/34

Out: 3286.310+/-380.605 χ^2/NDF:33.5/37

All: 4009.358+/-270.509 χ^2/NDF: 73.8/72



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1810.444+/-0.321 χ^2/NDF:16554.6/19

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1814.945+/-0.326 χ^2/NDF:14093.1/18

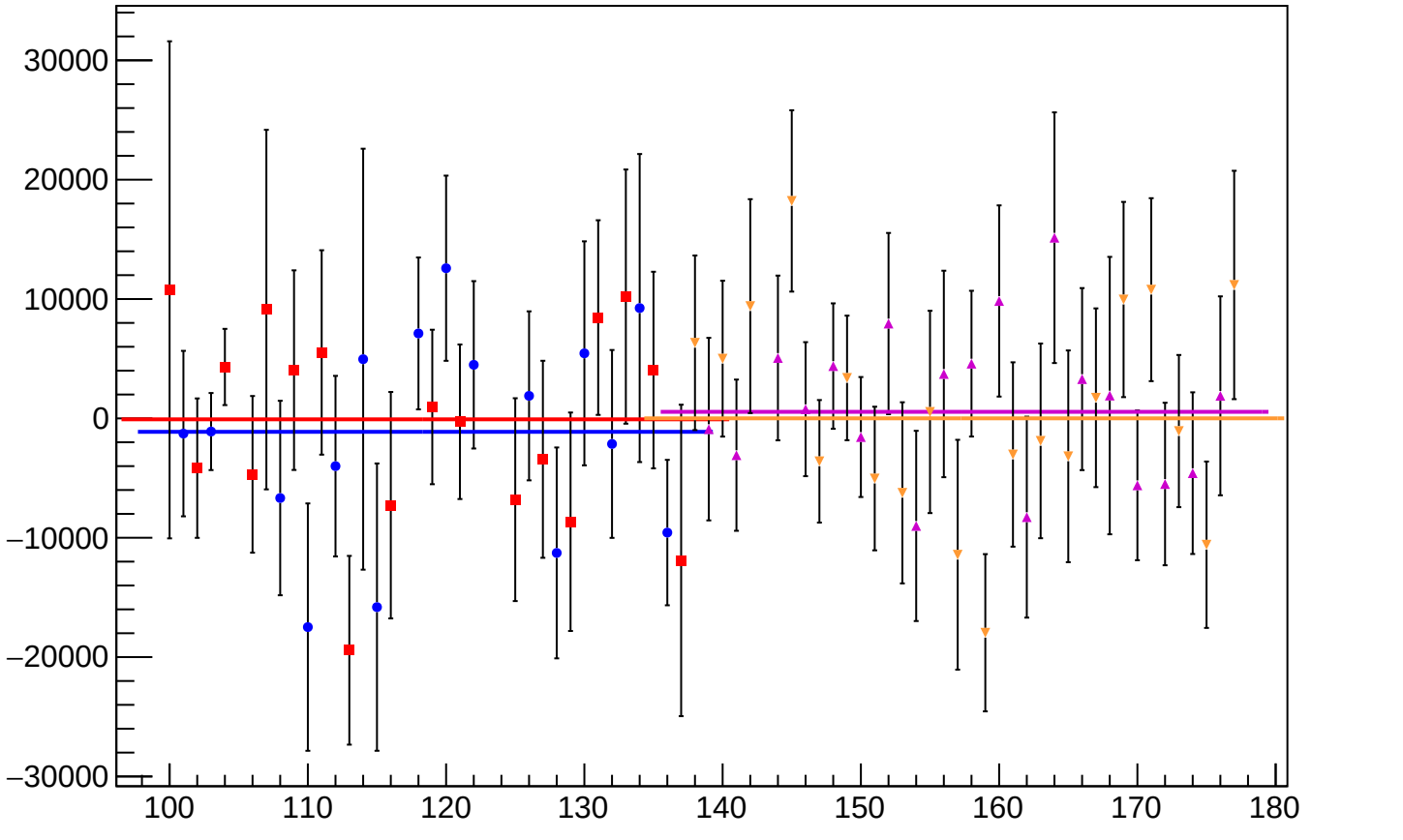
Left: 1812.666+/-0.229 χ^2/NDF: 30744.4/38

Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1828.434+/-0.272 χ^2/NDF:312099.2/34

Out: 1823.158+/-0.269 χ^2/NDF:123511.5/37

All: 1825.767+/-0.191 χ^2/NDF: 435801.0/72



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 4.643+/-1601.618 χ^2/NDF:26.9/19

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 550.416+/-1600.511 χ^2/NDF:11.3/18

Left: 277.718+/-1132.123 χ^2/NDF: 38.3/38

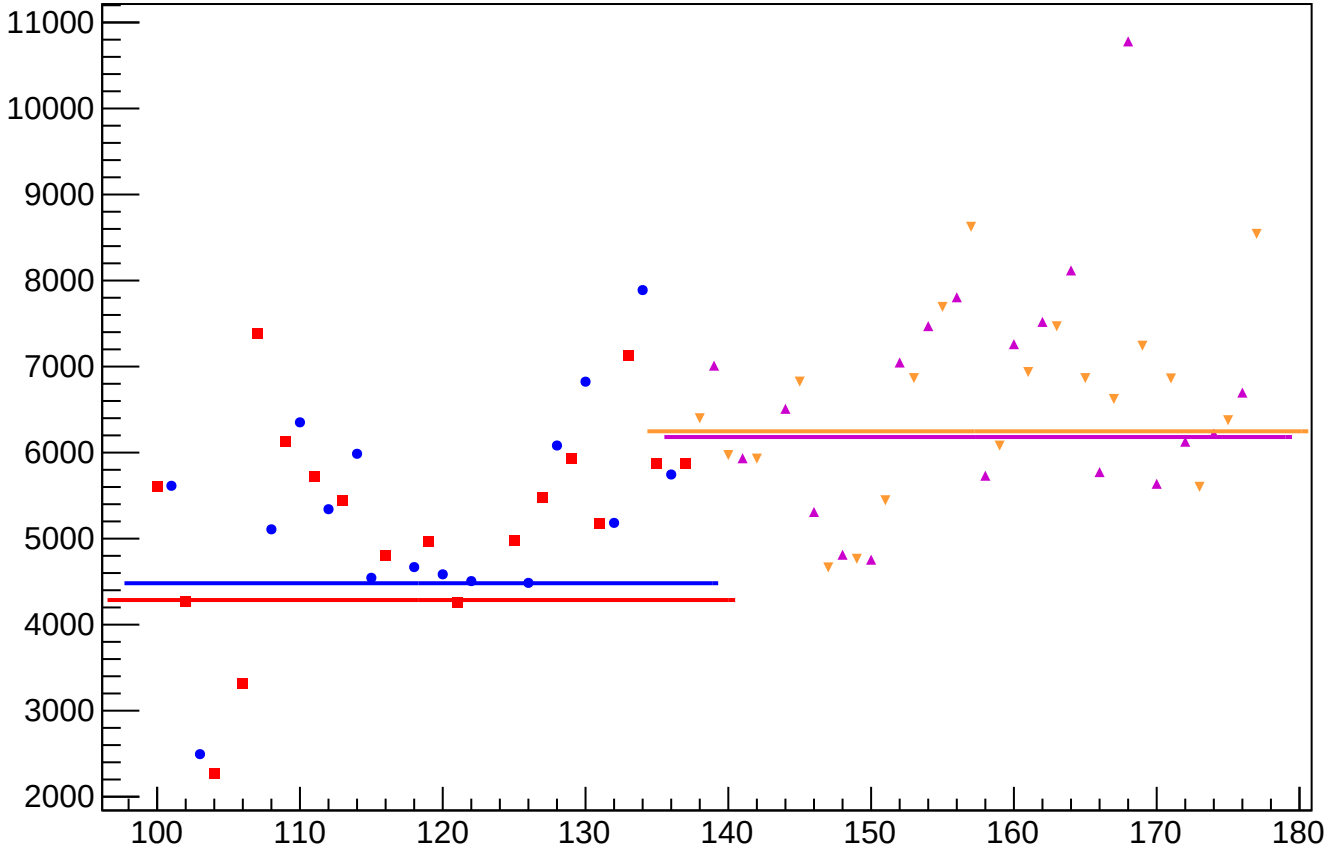
Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -209.216+/-1183.464 χ^2/NDF:26.6/34

Out: -34.286+/-1166.531 χ^2/NDF:42.4/37

All: -120.490+/-830.784 χ^2/NDF: 69.0/72

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6247.643+/-1.133 χ^2/NDF:854221.8/19

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6180.991+/-1.132 χ^2/NDF:1032242.6/18

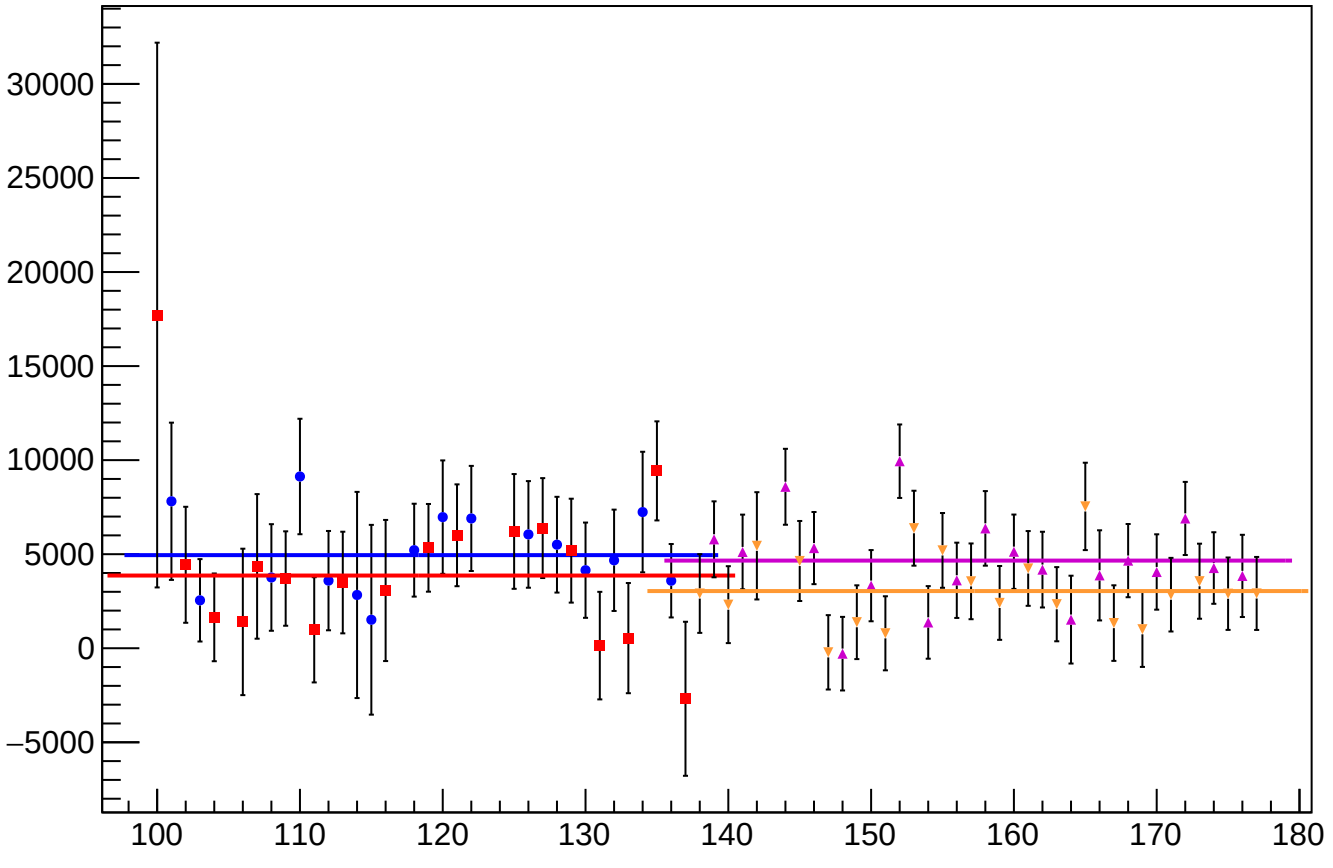
Left: 6214.294+/-0.801 χ^2/NDF: 1888197.5/38

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 5410.712+/-0.837 χ^2/NDF:3416552.3/34

Out: 5326.685+/-0.825 χ^2/NDF:3812532.5/37

All: 5368.093+/-0.587 χ^2/NDF: 7234198.5/72



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3039.238+/-454.660 χ^2/NDF:16.4/19

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4659.564+/-460.499 χ^2/NDF:26.0/18

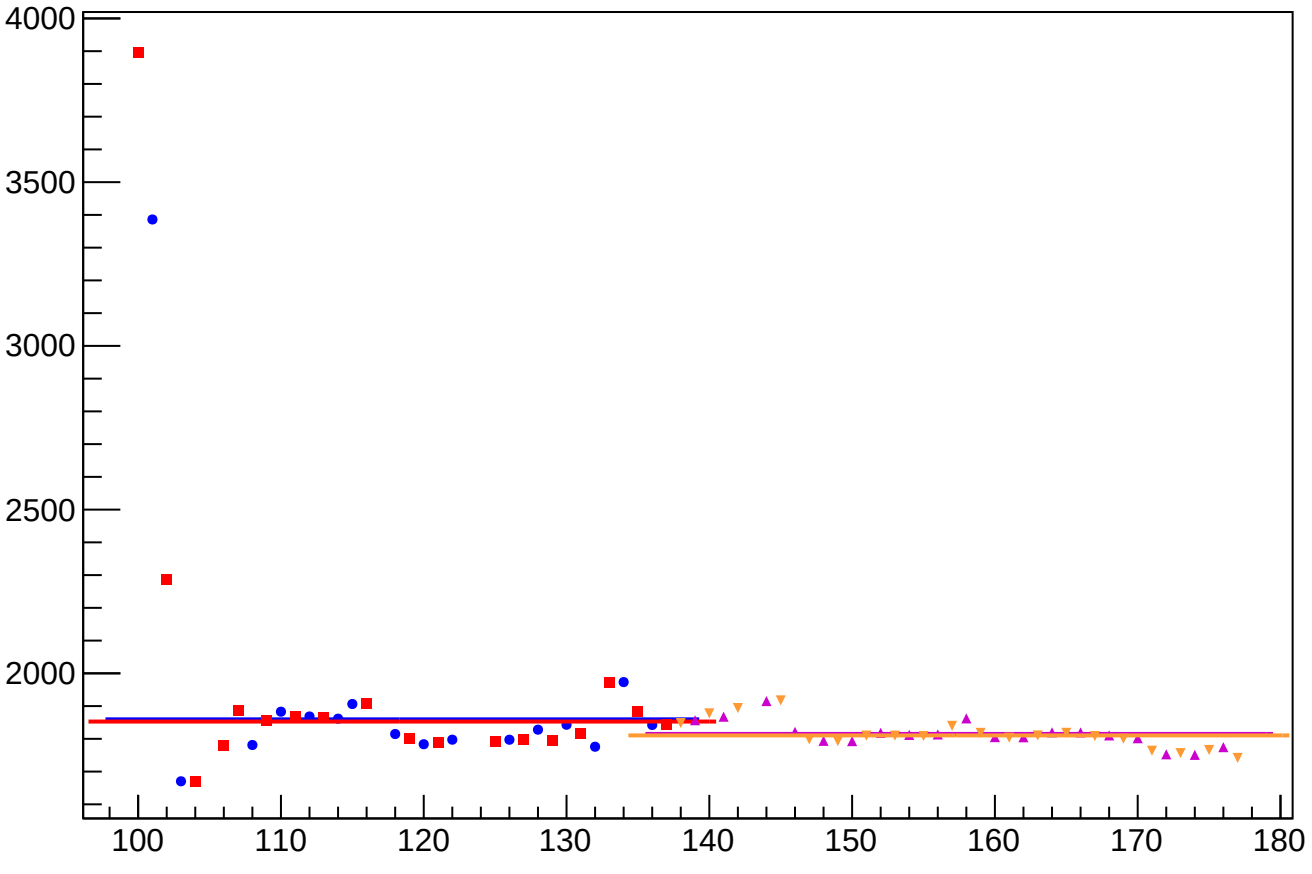
Left: 3839.063+/-323.538 χ^2/NDF: 48.7/38

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4747.428+/-384.539 χ^2/NDF:33.0/34

Out: 3286.310+/-380.605 χ^2/NDF:33.5/37

All: 4009.358+/-270.509 χ^2/NDF: 73.8/72



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1810.444+/-0.321 χ^2/NDF:16554.6/19

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1814.945+/-0.326 χ^2/NDF:14093.1/18

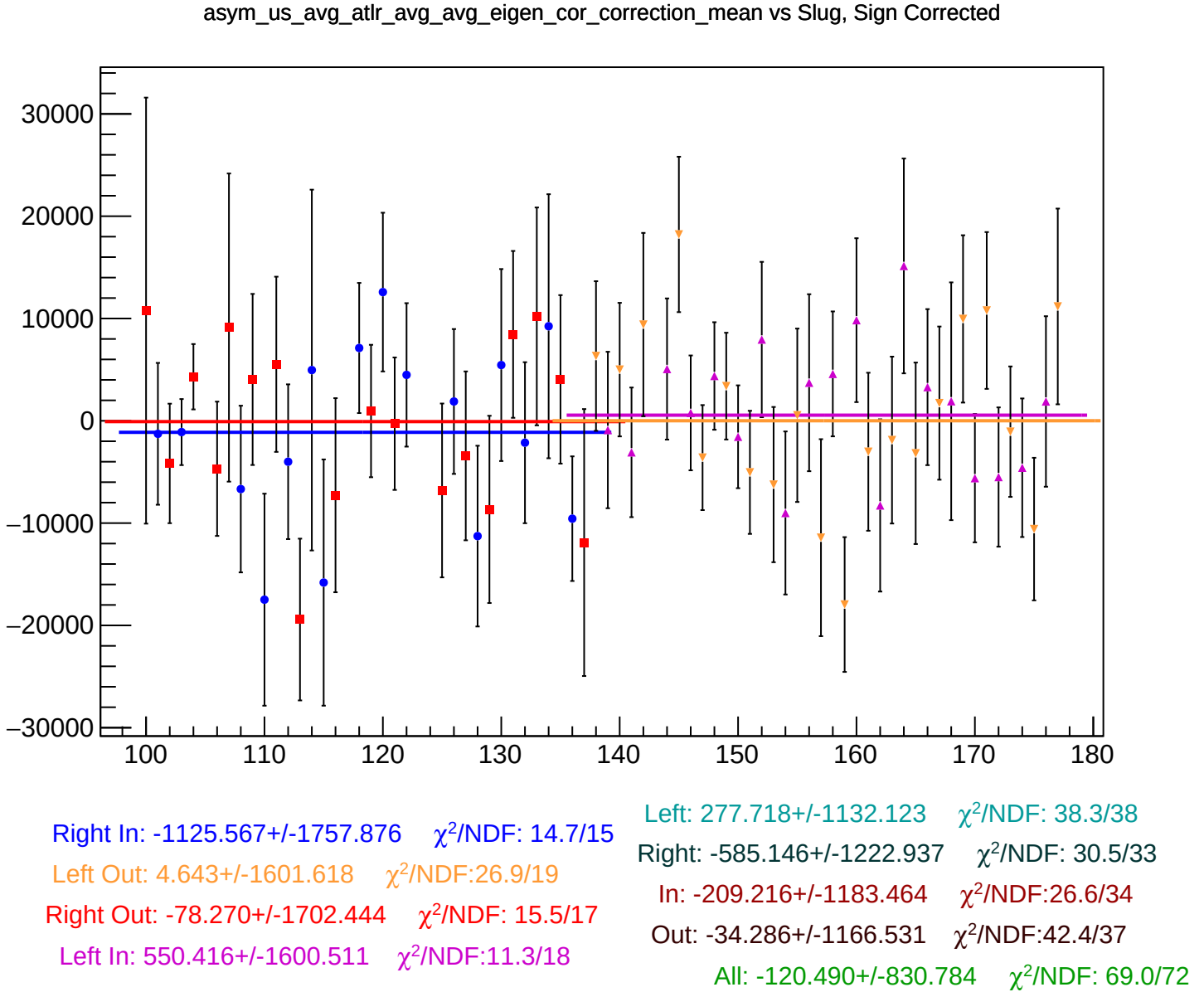
Left: 1812.666+/-0.229 χ^2/NDF: 30744.4/38

Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

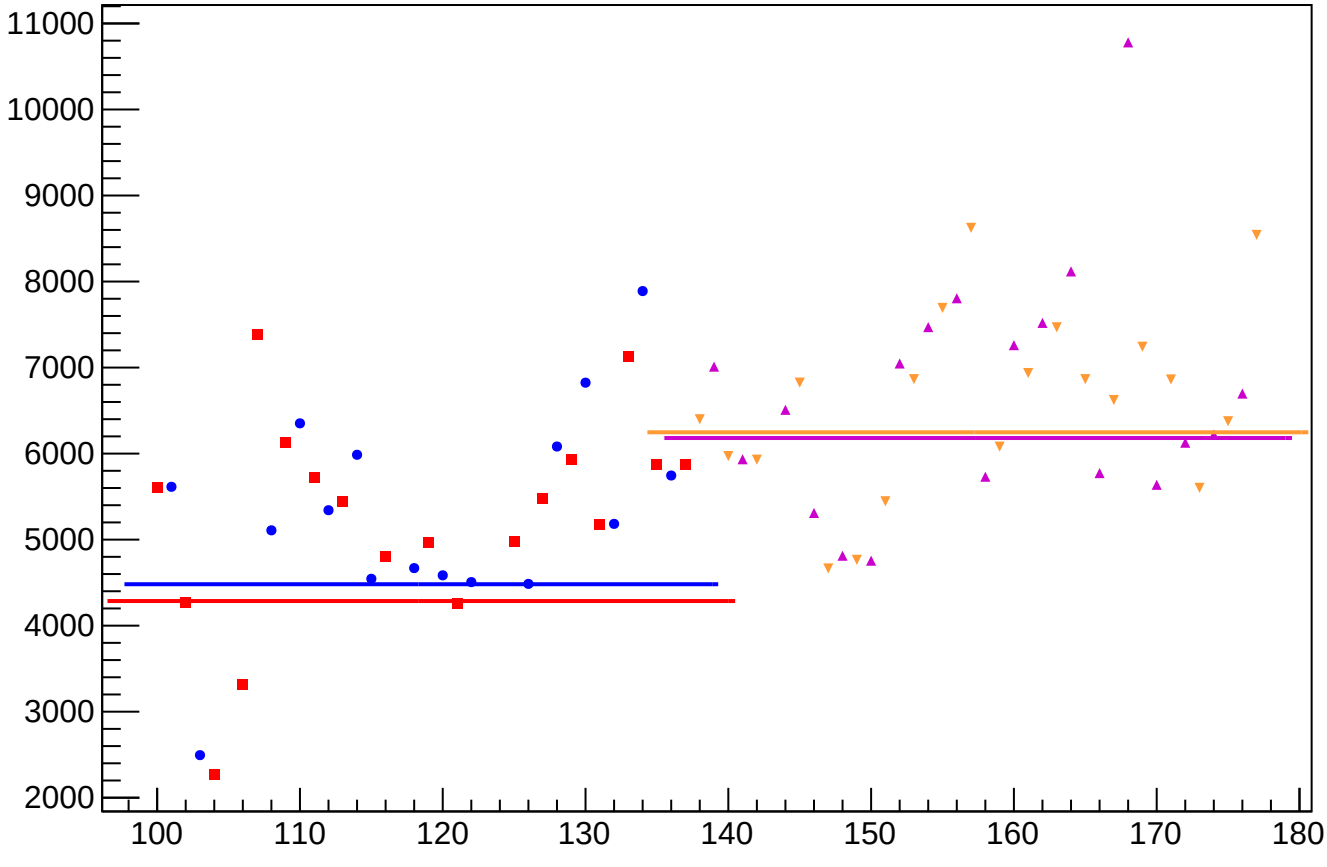
In: 1828.434+/-0.272 χ^2/NDF:312099.2/34

Out: 1823.158+/-0.269 χ^2/NDF:123511.5/37

All: 1825.767+/-0.191 χ^2/NDF: 435801.0/72


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: 4.643+/-1601.618 χ²/NDF:26.9/19
Right Out: -78.270+/-1702.444 χ²/NDF: 15.5/17
Left In: 550.416+/-1600.511 χ²/NDF:11.3/18
Left: 277.718+/-1132.123 χ²/NDF: 38.3/38
Right: -585.146+/-1222.937 χ²/NDF: 30.5/33
In: -209.216+/-1183.464 χ²/NDF:26.6/34
Out: -34.286+/-1166.531 χ²/NDF:42.4/37
All: -120.490+/-830.784 χ²/NDF: 69.0/72

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6247.643+/-1.133 χ^2/NDF:854221.8/19

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6180.991+/-1.132 χ^2/NDF:1032242.6/18

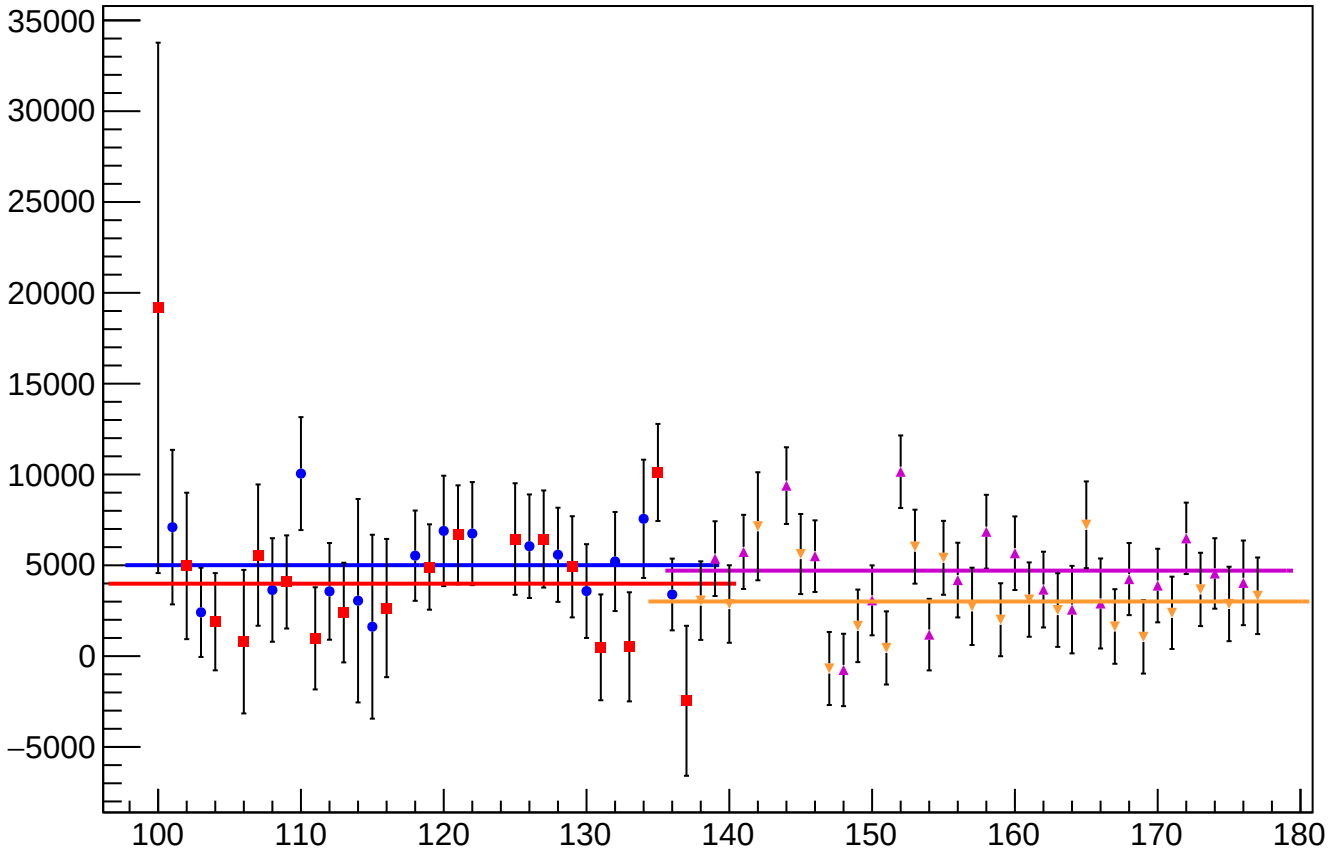
Left: 6214.294+/-0.801 χ^2/NDF: 1888197.5/38

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 5410.712+/-0.837 χ^2/NDF:3416552.3/34

Out: 5326.685+/-0.825 χ^2/NDF:3812532.5/37

All: 5368.093+/-0.587 χ^2/NDF: 7234198.5/72



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3007.921+/-468.882 χ^2/NDF:17.4/19

Right Out: 3989.193+/-719.024 χ^2/NDF: 17.4/17

Left In: 4706.344+/-472.401 χ^2/NDF:28.4/18

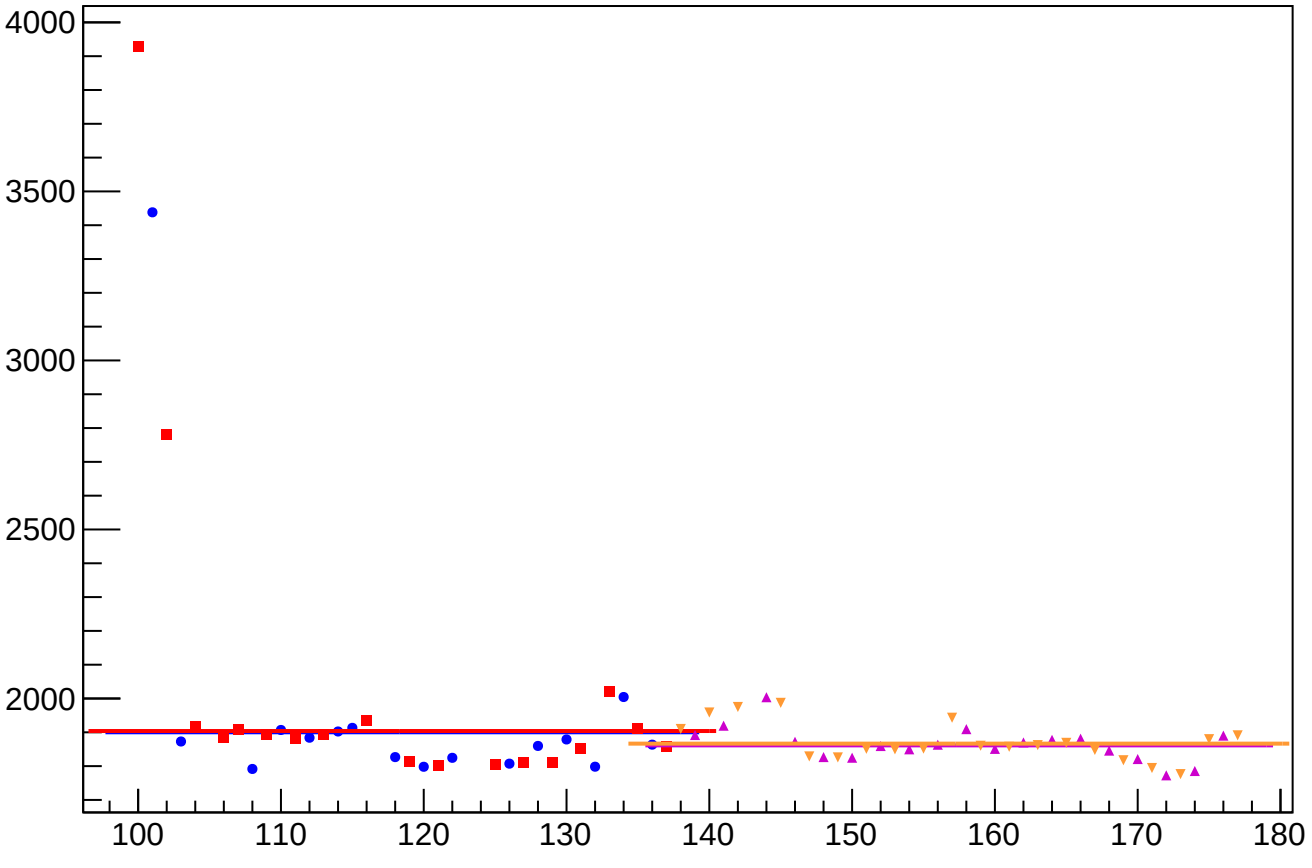
Left: 3850.782+/-332.787 χ^2/NDF: 52.4/38

Right: 4501.780+/-506.663 χ^2/NDF: 26.0/33

In: 4797.969+/-393.986 χ^2/NDF:36.2/34

Out: 3300.700+/-392.752 χ^2/NDF:36.1/37

All: 4046.986+/-278.153 χ^2/NDF: 79.6/72



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1866.515+/-0.332 χ^2/NDF:26053.3/19

Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1861.375+/-0.334 χ^2/NDF:22383.7/18

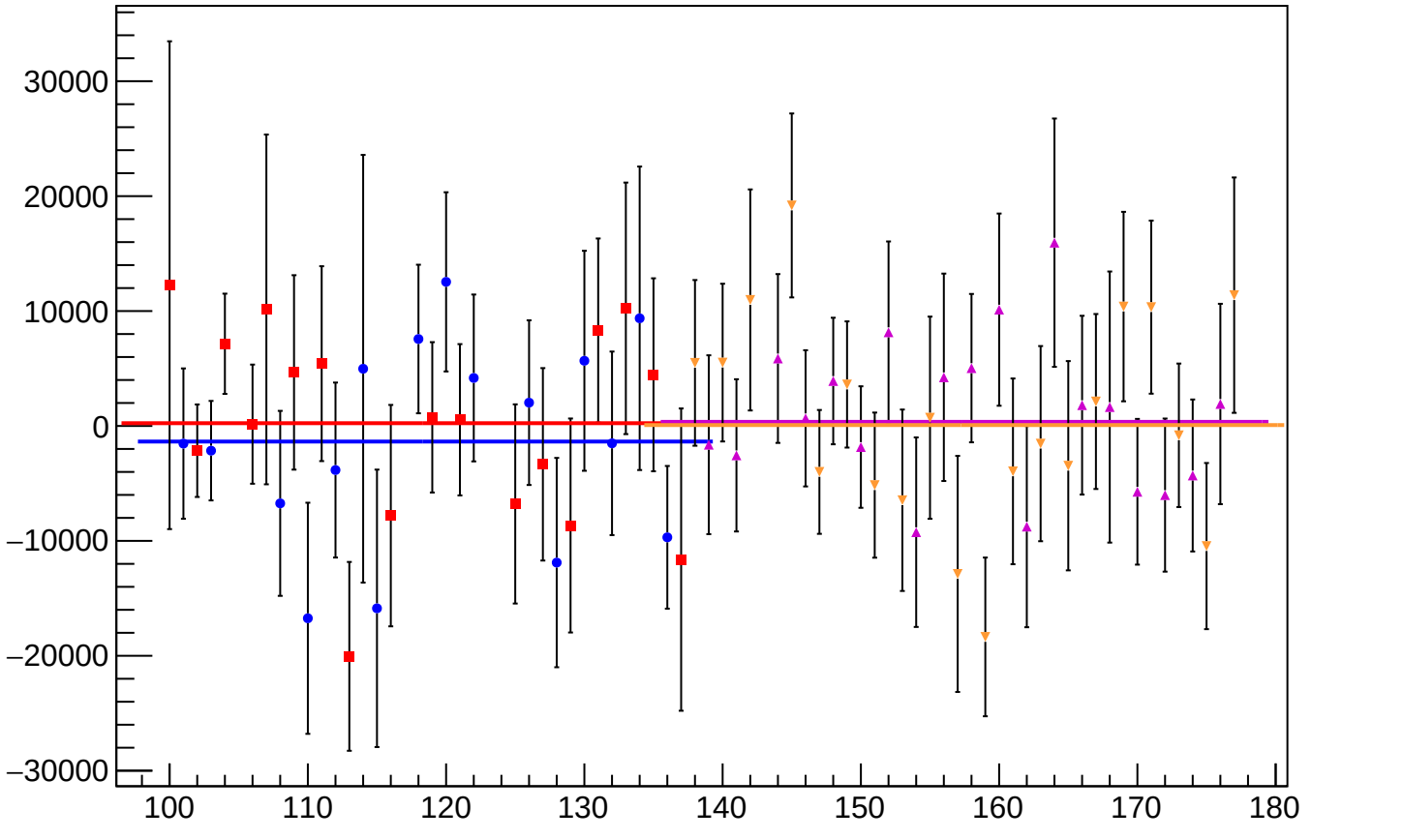
Left: 1863.964+/-0.235 χ^2/NDF: 48556.2/38

Right: 1901.958+/-0.358 χ^2/NDF: 428591.0/33

In: 1873.167+/-0.279 χ^2/NDF:304925.9/34

Out: 1877.665+/-0.278 χ^2/NDF:179953.6/37

All: 1875.424+/-0.197 χ^2/NDF: 485010.3/72



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: 77.538+/-1657.258 χ^2/NDF:26.5/19

Right Out: 241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: 358.078+/-1655.030 χ^2/NDF:11.4/18

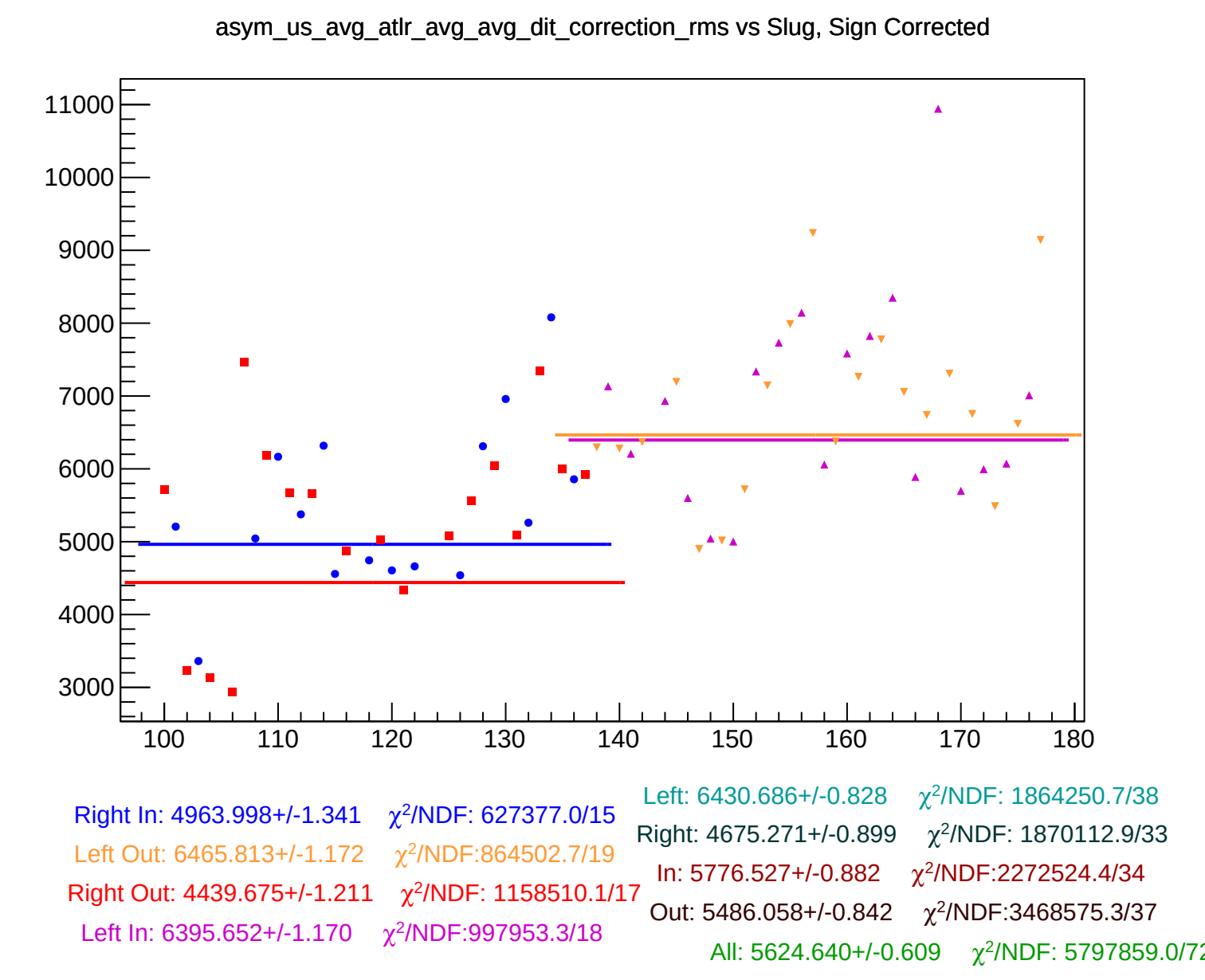
Left: 217.997+/-1171.070 χ^2/NDF: 38.0/38

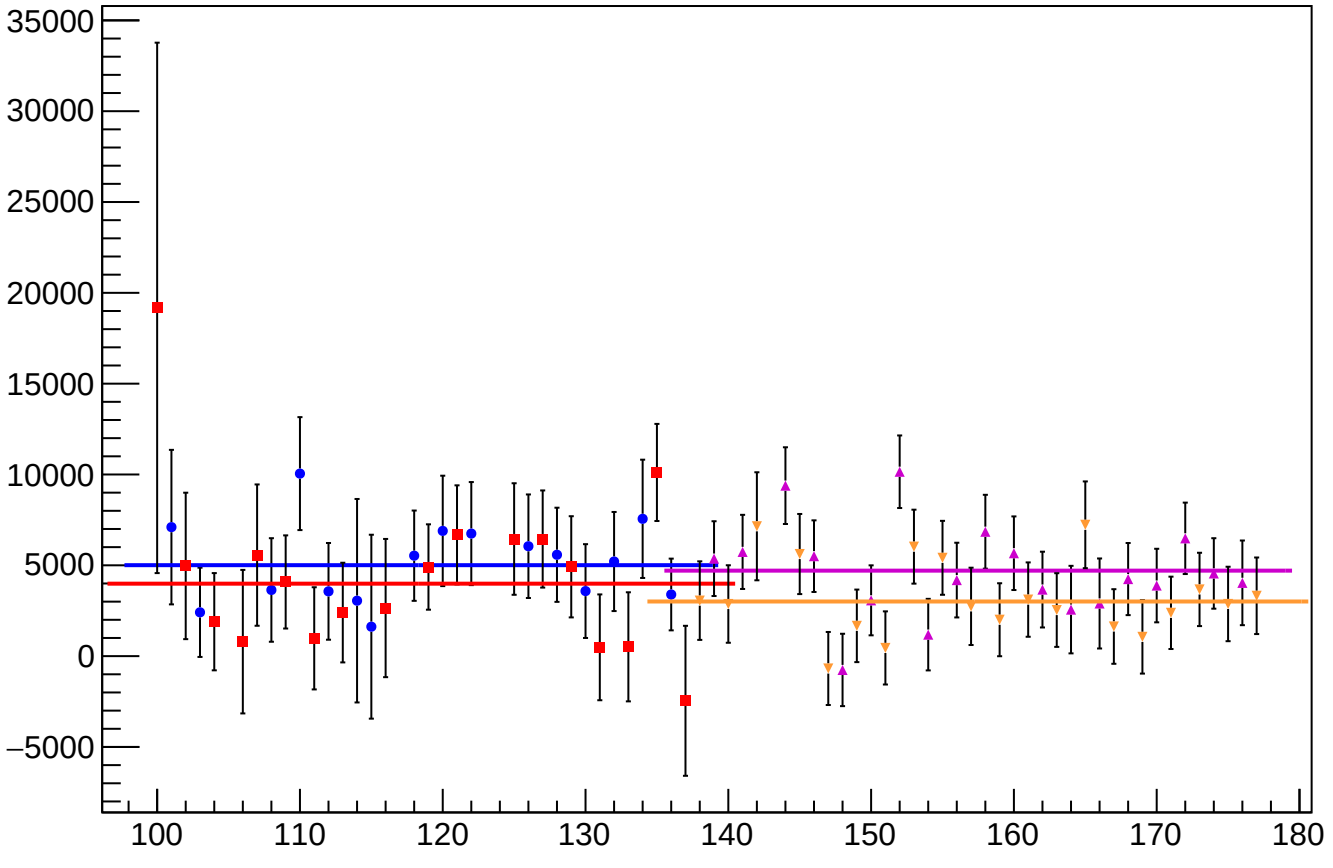
Right: -476.778+/-1270.927 χ^2/NDF: 30.8/33

In: -383.449+/-1246.827 χ^2/NDF:26.6/34

Out: 156.655+/-1190.970 χ^2/NDF:42.3/37

All: -101.028+/-861.213 χ^2/NDF: 68.9/72


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: 6465.813+/-1.172 χ²/NDF:864502.7/19
Right Out: 4439.675+/-1.211 χ²/NDF: 1158510.1/17
Left In: 6395.652+/-1.170 χ²/NDF:997953.3/18
Left: 6430.686+/-0.828 χ²/NDF: 1864250.7/38
Right: 4675.271+/-0.899 χ²/NDF: 1870112.9/33
In: 5776.527+/-0.882 χ²/NDF:2272524.4/34
Out: 5486.058+/-0.842 χ²/NDF:3468575.3/37
All: 5624.640+/-0.609 χ²/NDF: 5797859.0/72



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 3007.916+/-468.882 χ^2/NDF:17.4/19

Right Out: 3989.192+/-719.024 χ^2/NDF: 17.4/17

Left In: 4706.347+/-472.402 χ^2/NDF:28.4/18

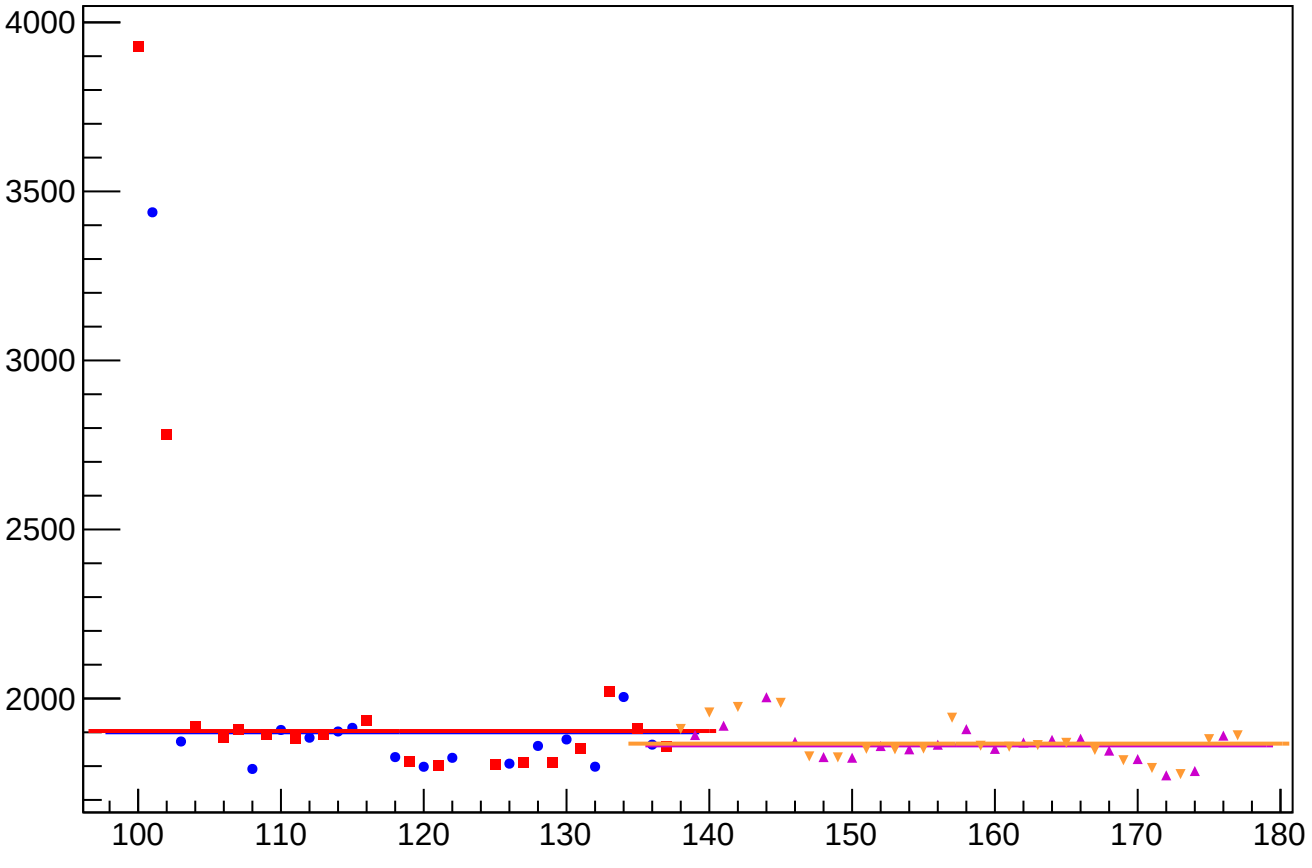
Left: 3850.781+/-332.787 χ^2/NDF: 52.4/38

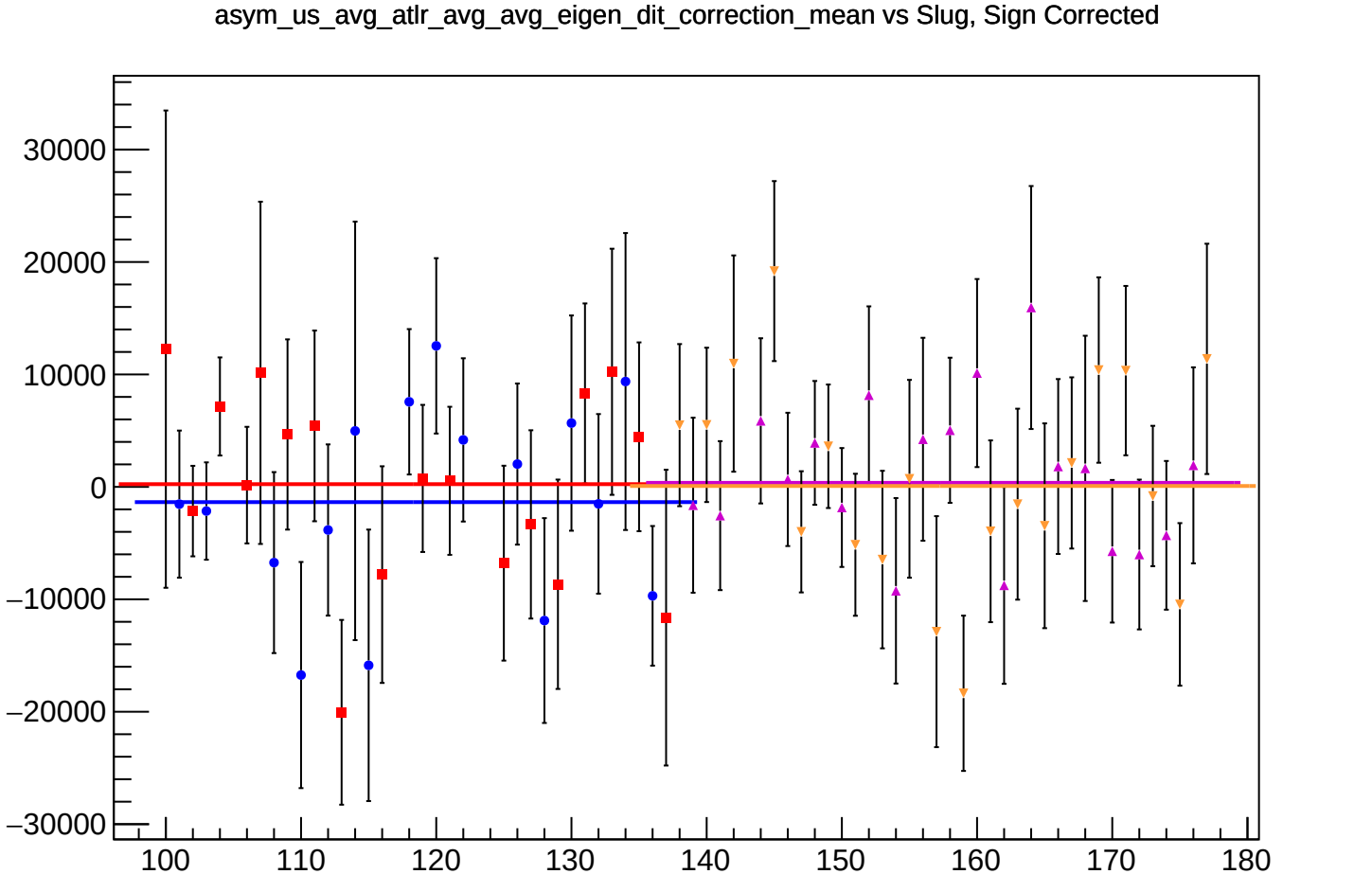
Right: 4501.779+/-506.663 χ^2/NDF: 26.0/33

In: 4797.971+/-393.986 χ^2/NDF:36.2/34

Out: 3300.696+/-392.752 χ^2/NDF:36.1/37

All: 4046.985+/-278.153 χ^2/NDF: 79.6/72


eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
100
110
120
130
140
150
160
170
180
Right In: 1900.111+/-0.505 χ²/NDF: 278448.5/15
Left Out: 1866.516+/-0.332 χ²/NDF:26054.2/19
Right Out: 1903.826+/-0.508 χ²/NDF: 150115.1/17
Left In: 1861.376+/-0.334 χ²/NDF:22384.4/18
Left: 1863.965+/-0.235 χ²/NDF: 48557.8/38
Right: 1901.958+/-0.358 χ²/NDF: 428590.5/33
In: 1873.168+/-0.279 χ²/NDF:304926.5/34
Out: 1877.665+/-0.278 χ²/NDF:179953.4/37
All: 1875.424+/-0.197 χ²/NDF: 485010.6/72



Right In: -1356.604+/-1895.985 χ^2/NDF: 14.7/15

Left Out: 77.533+/-1657.261 χ^2/NDF:26.5/19

Right Out: 241.155+/-1712.677 χ^2/NDF: 15.7/17

Left In: 358.078+/-1655.033 χ^2/NDF:11.4/18

Left: 217.994+/-1171.072 χ^2/NDF: 38.0/38

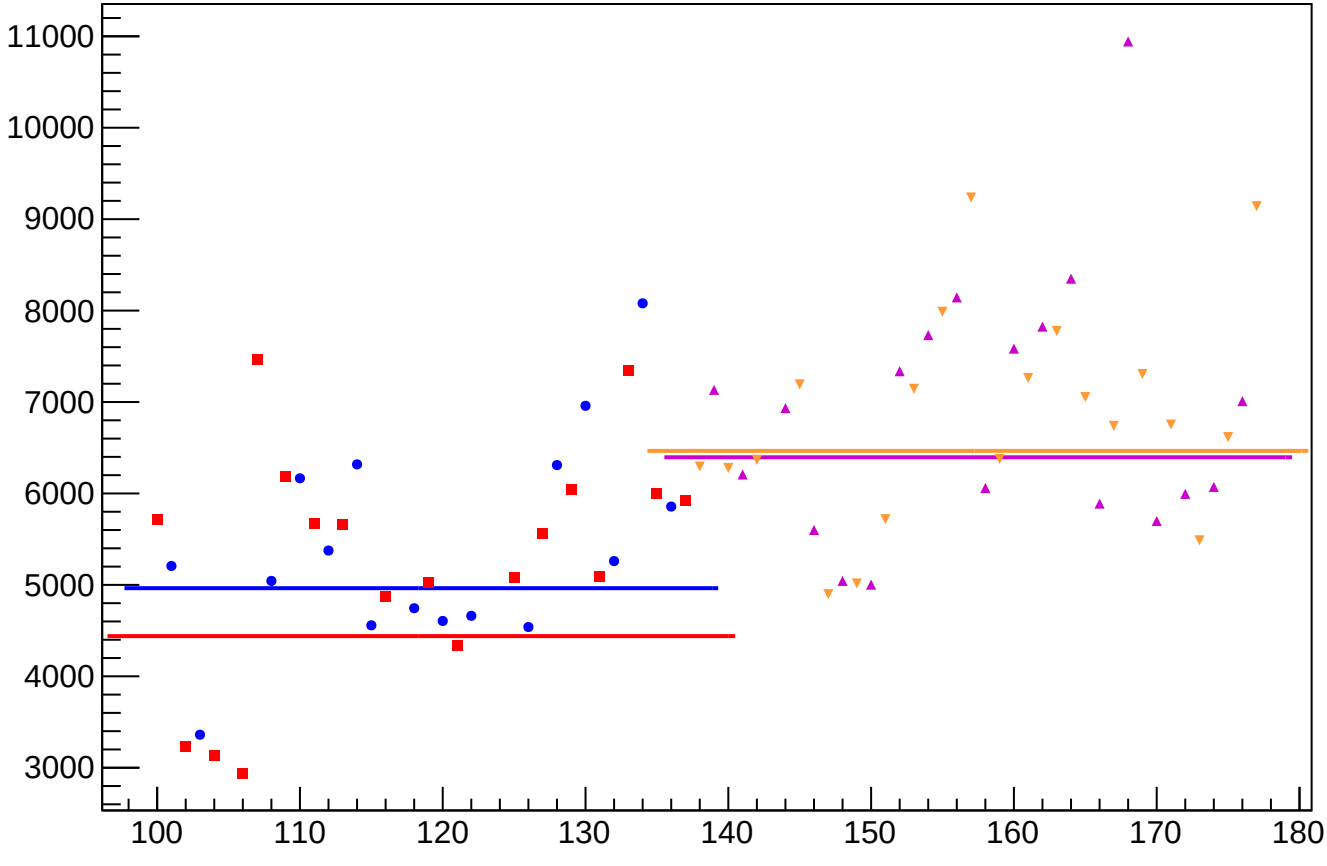
Right: -476.773+/-1270.924 χ^2/NDF: 30.8/33

In: -383.448+/-1246.827 χ^2/NDF:26.6/34

Out: 156.654+/-1190.970 χ^2/NDF:42.3/37

All: -101.028+/-861.213 χ^2/NDF: 68.9/72

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: 6465.824+/-1.172 χ^2/NDF:864504.4/19

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

Left In: 6395.662+/-1.170 χ^2/NDF:997954.9/18

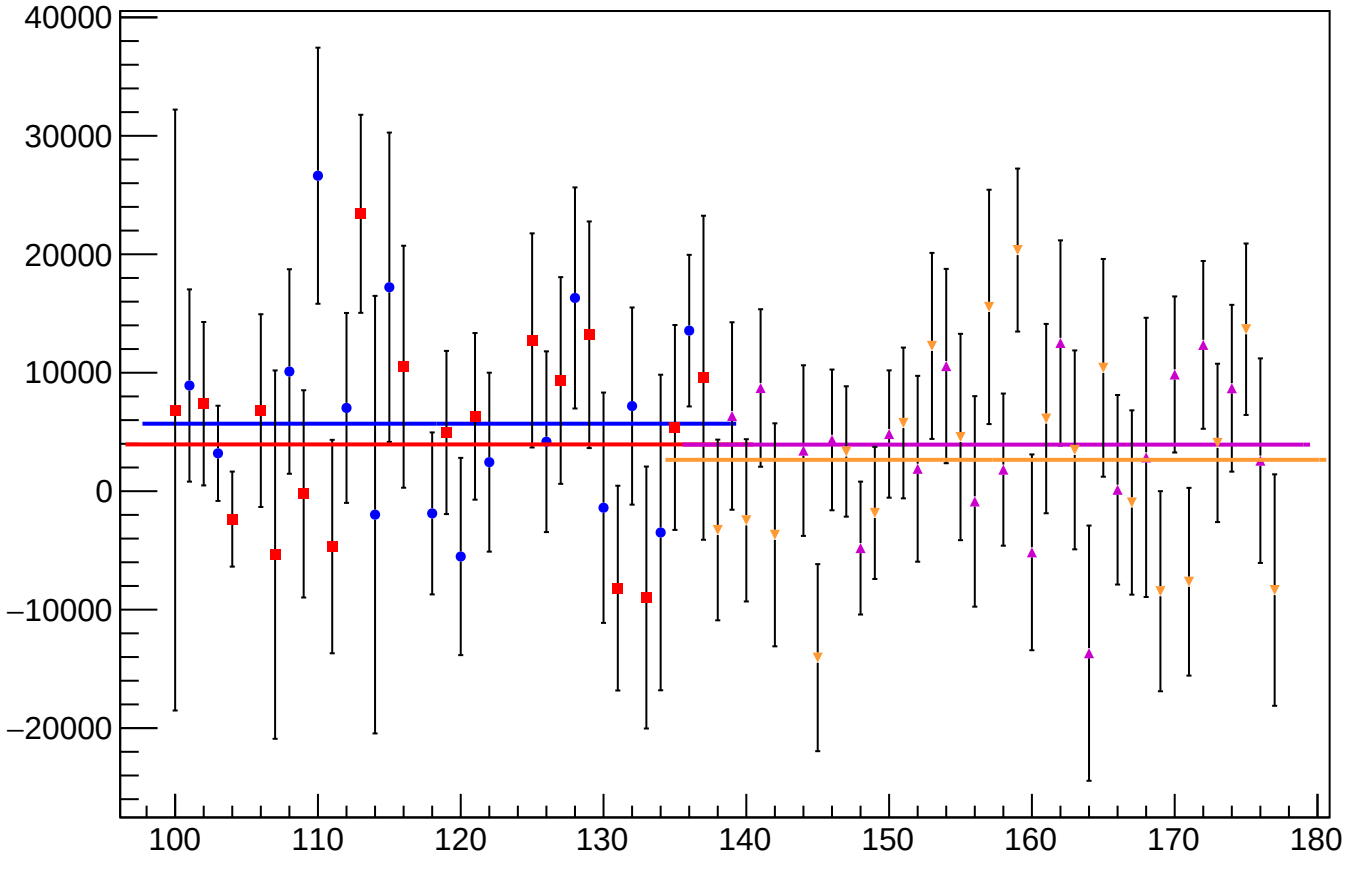
Left: 6430.696+/-0.828 χ^2/NDF: 1864254.0/38

Right: 4675.259+/-0.899 χ^2/NDF: 1870114.9/33

In: 5776.524+/-0.882 χ^2/NDF:2272550.4/34

Out: 5486.053+/-0.842 χ^2/NDF:3468609.4/37

All: 5624.637+/-0.609 χ^2/NDF: 5797919.7/72



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: 2648.452+/-1674.686 χ^2/NDF:25.0/19

Right Out: 3949.394+/-1920.582 χ^2/NDF: 16.1/17

Left In: 3931.428+/-1674.595 χ^2/NDF:12.0/18

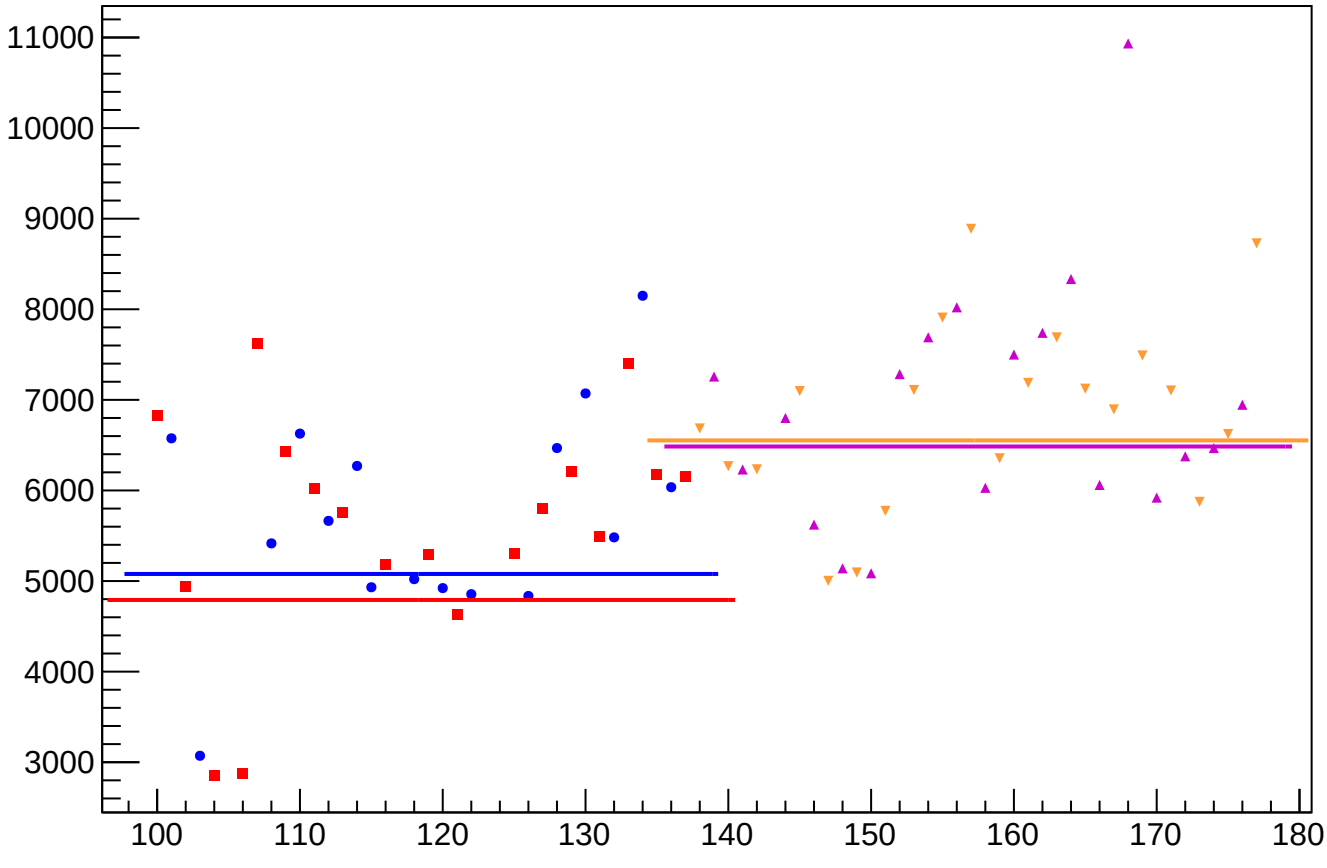
Left: 3289.975+/-1184.150 χ^2/NDF: 37.3/38

Right: 4805.905+/-1371.511 χ^2/NDF: 29.2/33

In: 4676.860+/-1272.965 χ^2/NDF:25.1/34

Out: 3210.360+/-1262.225 χ^2/NDF:41.4/37

All: 3937.398+/-896.301 χ^2/NDF: 67.2/72



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6552.453+/-1.184 χ^2/NDF:727881.9/19

Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6485.074+/-1.184 χ^2/NDF:894822.2/18

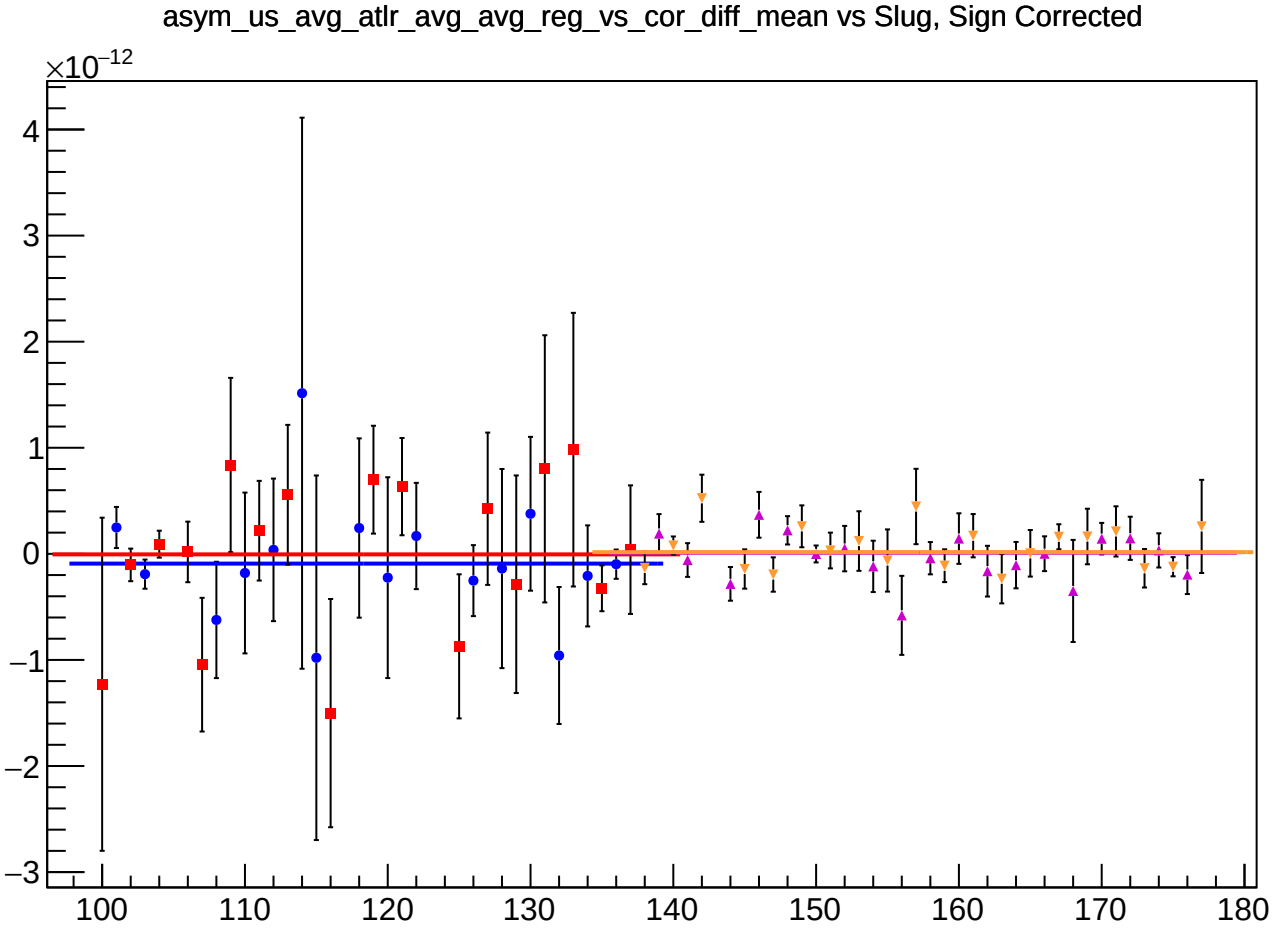
Left: 6518.761+/-0.837 χ^2/NDF: 1624322.9/38

Right: 4928.883+/-0.960 χ^2/NDF: 2103987.6/33

In: 5891.129+/-0.900 χ^2/NDF:2410002.1/34

Out: 5774.073+/-0.885 χ^2/NDF:2867996.3/37

All: 5831.585+/-0.631 χ^2/NDF: 5286601.0/72



Right In: -0.000+/-0.000 χ^2/NDF: 8.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/19

Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:17.0/18

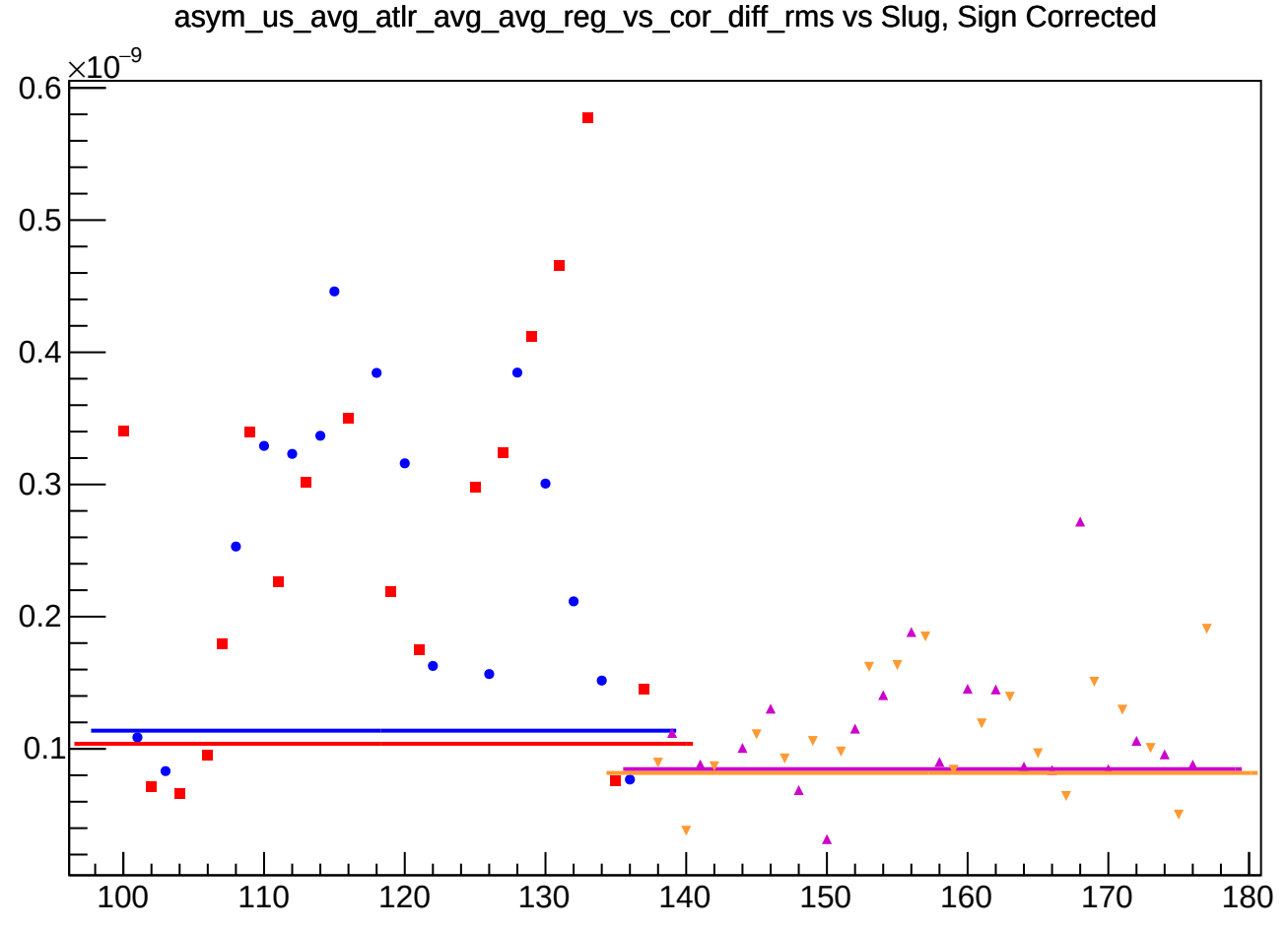
Left: 0.000+/-0.000 χ^2/NDF: 37.6/38

Right: -0.000+/-0.000 χ^2/NDF: 26.2/33

In: -0.000+/-0.000 χ^2/NDF:26.6/34

Out: 0.000+/-0.000 χ^2/NDF:38.0/37

All: 0.000+/-0.000 χ^2/NDF: 64.8/72



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1973612.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1962017.5/18

Left: 0.000+/-0.000 χ^2/NDF: 3941425.6/38

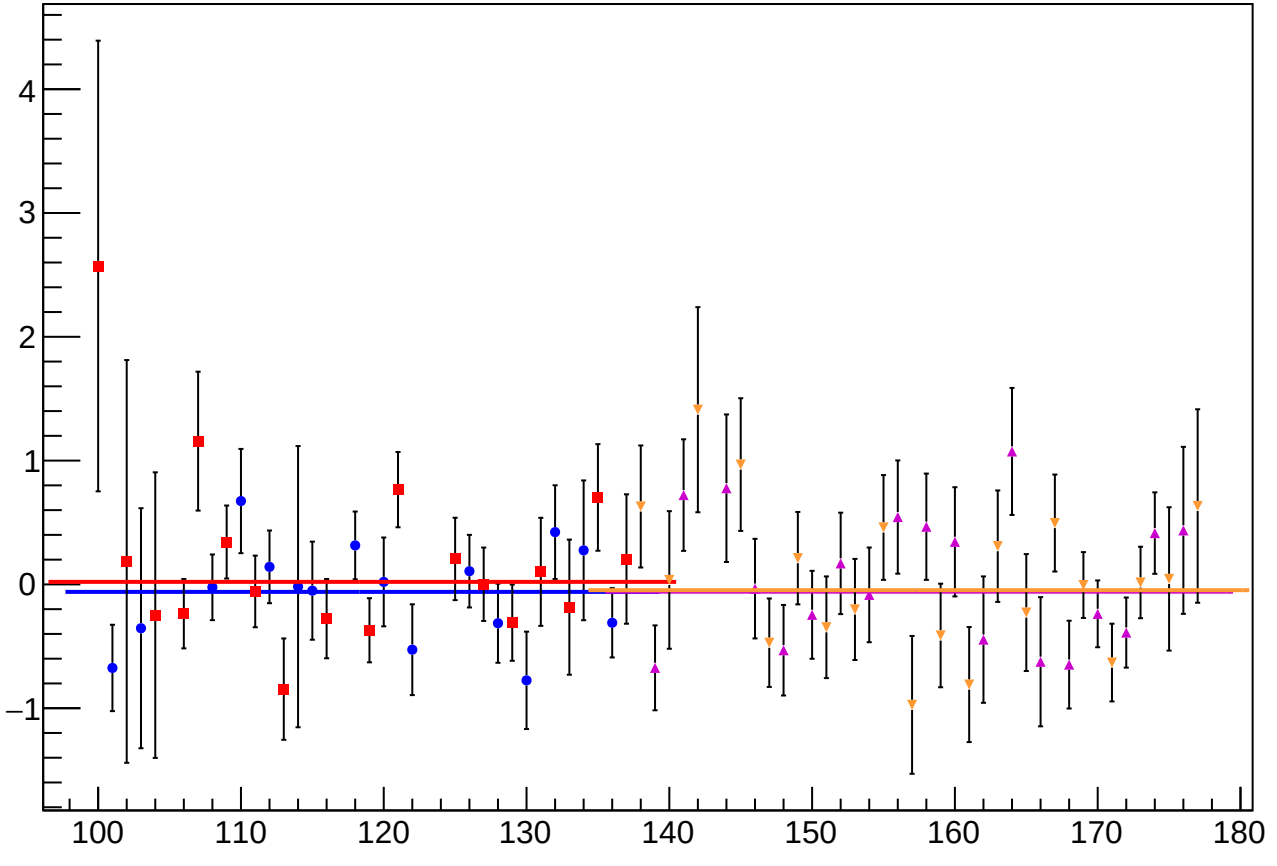
Right: 0.000+/-0.000 χ^2/NDF: 3628704.5/33

In: 0.000+/-0.000 χ^2/NDF:3710973.1/34

Out: 0.000+/-0.000 χ^2/NDF:4194019.9/37

All: 0.000+/-0.000 χ^2/NDF: 7922520.6/72

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: -0.047+/-0.093 χ^2/NDF:25.8/19

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.059+/-0.090 χ^2/NDF:28.3/18

Left: -0.053+/-0.065 χ^2/NDF: 54.1/38

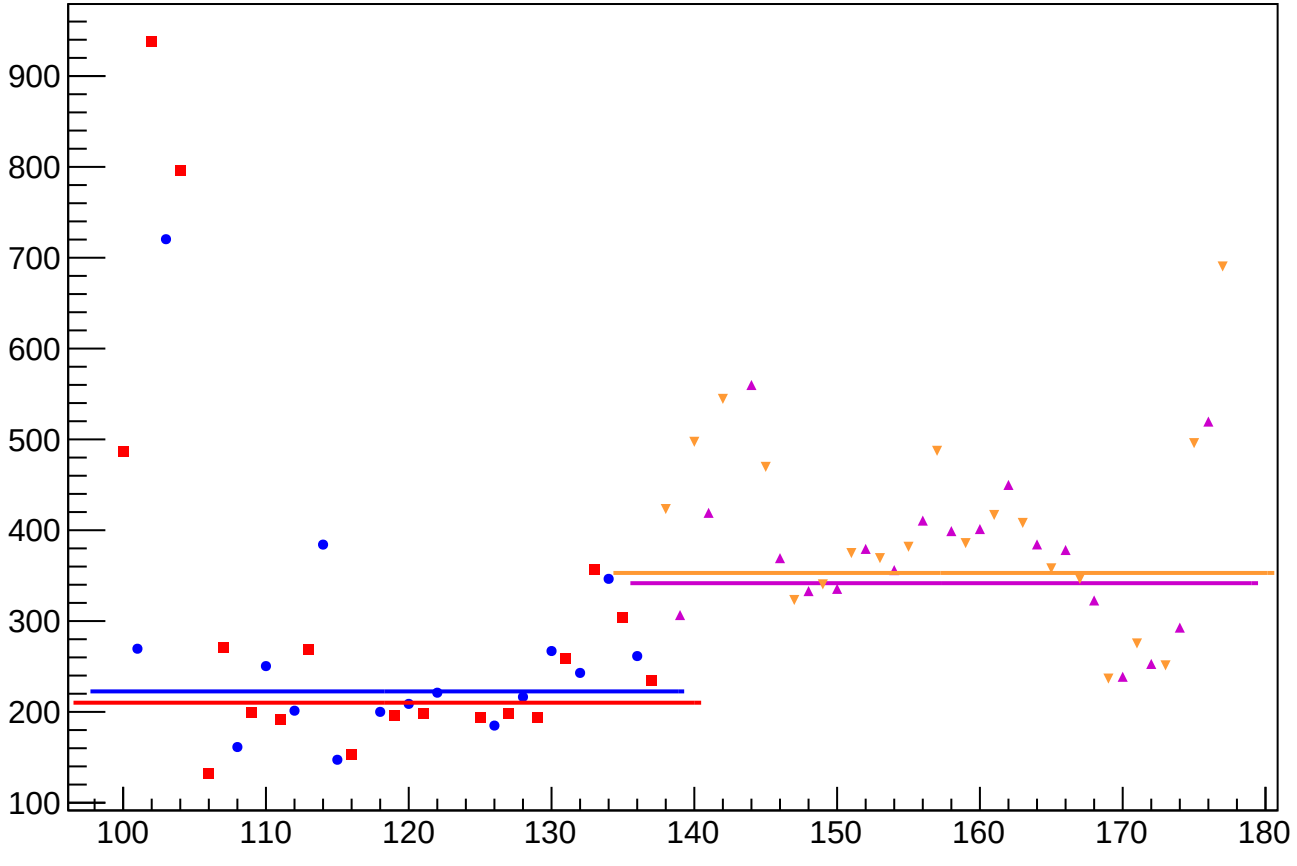
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.060+/-0.063 χ^2/NDF:45.6/34

Out: -0.011+/-0.064 χ^2/NDF:52.2/37

All: -0.035+/-0.045 χ^2/NDF: 98.1/72

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: 352.981+/-0.066 χ^2/NDF:1857747.6/19

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 341.705+/-0.064 χ^2/NDF:1288127.1/18

Left: 347.162+/-0.046 χ^2/NDF: 3160998.8/38

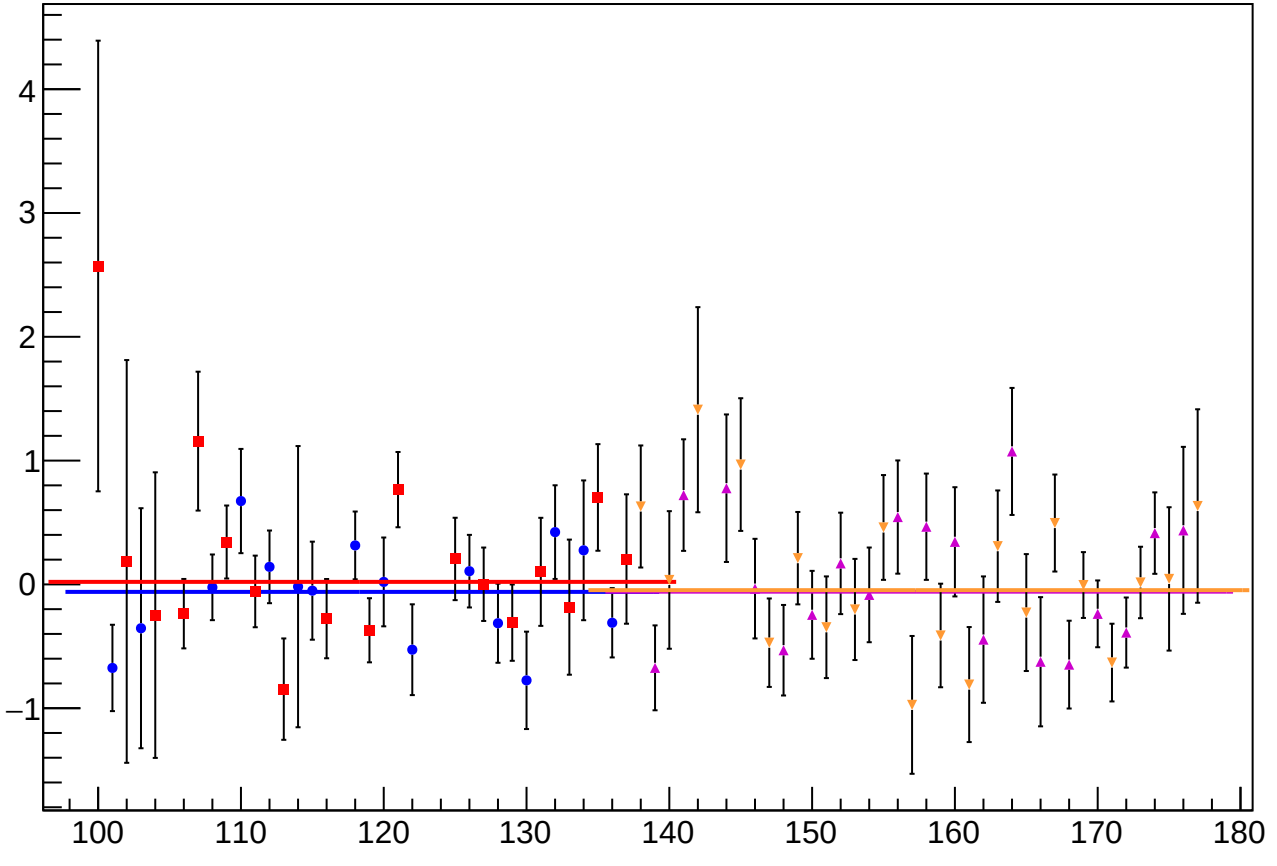
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 281.106+/-0.045 χ^2/NDF:4081387.1/34

Out: 277.031+/-0.045 χ^2/NDF:5907200.4/37

All: 279.085+/-0.032 χ^2/NDF: 9992706.7/72

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: -0.047+/-0.093 χ^2/NDF:25.8/19

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.059+/-0.090 χ^2/NDF:28.3/18

Left: -0.053+/-0.065 χ^2/NDF: 54.1/38

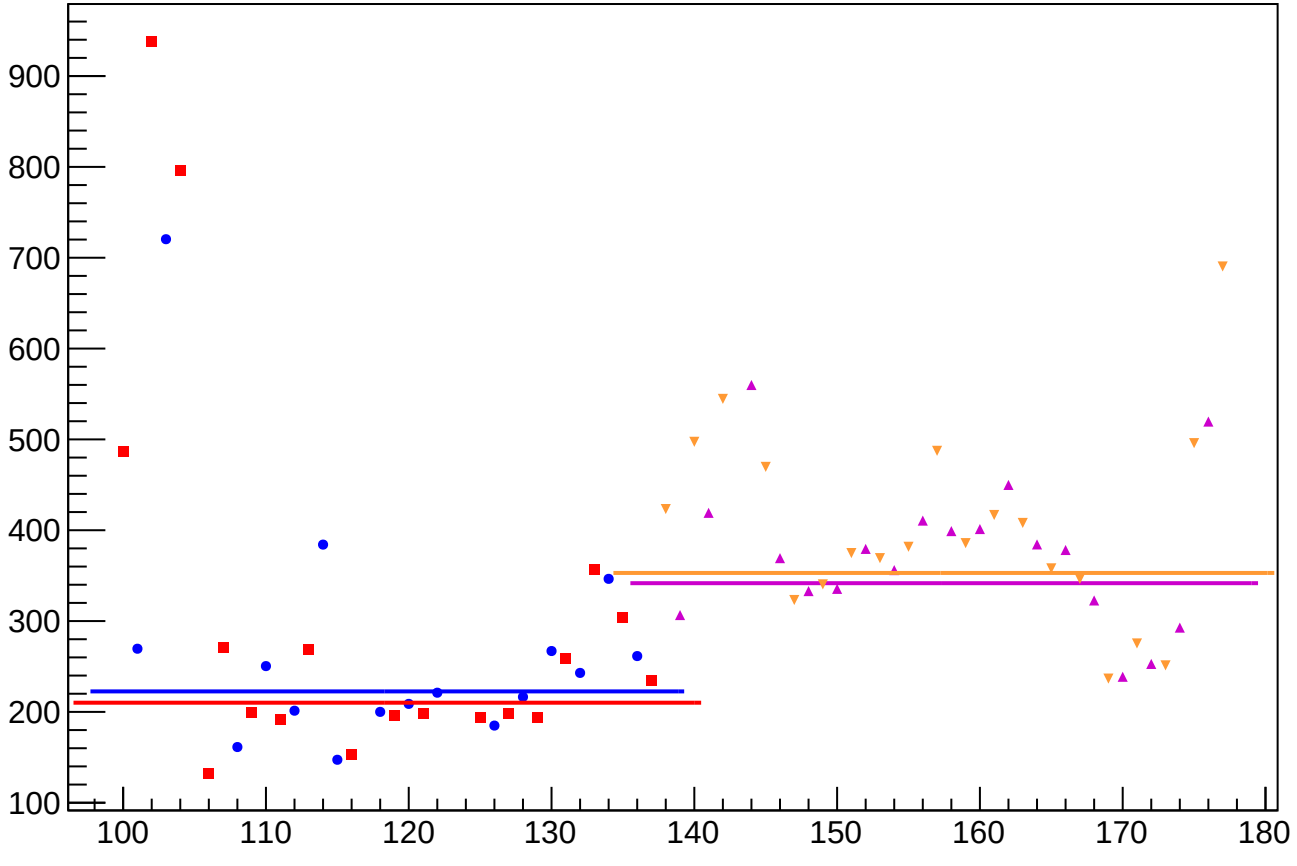
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.060+/-0.063 χ^2/NDF:45.6/34

Out: -0.011+/-0.064 χ^2/NDF:52.2/37

All: -0.035+/-0.045 χ^2/NDF: 98.1/72

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: 352.981+/-0.066 χ^2/NDF:1857747.6/19

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 341.705+/-0.064 χ^2/NDF:1288127.1/18

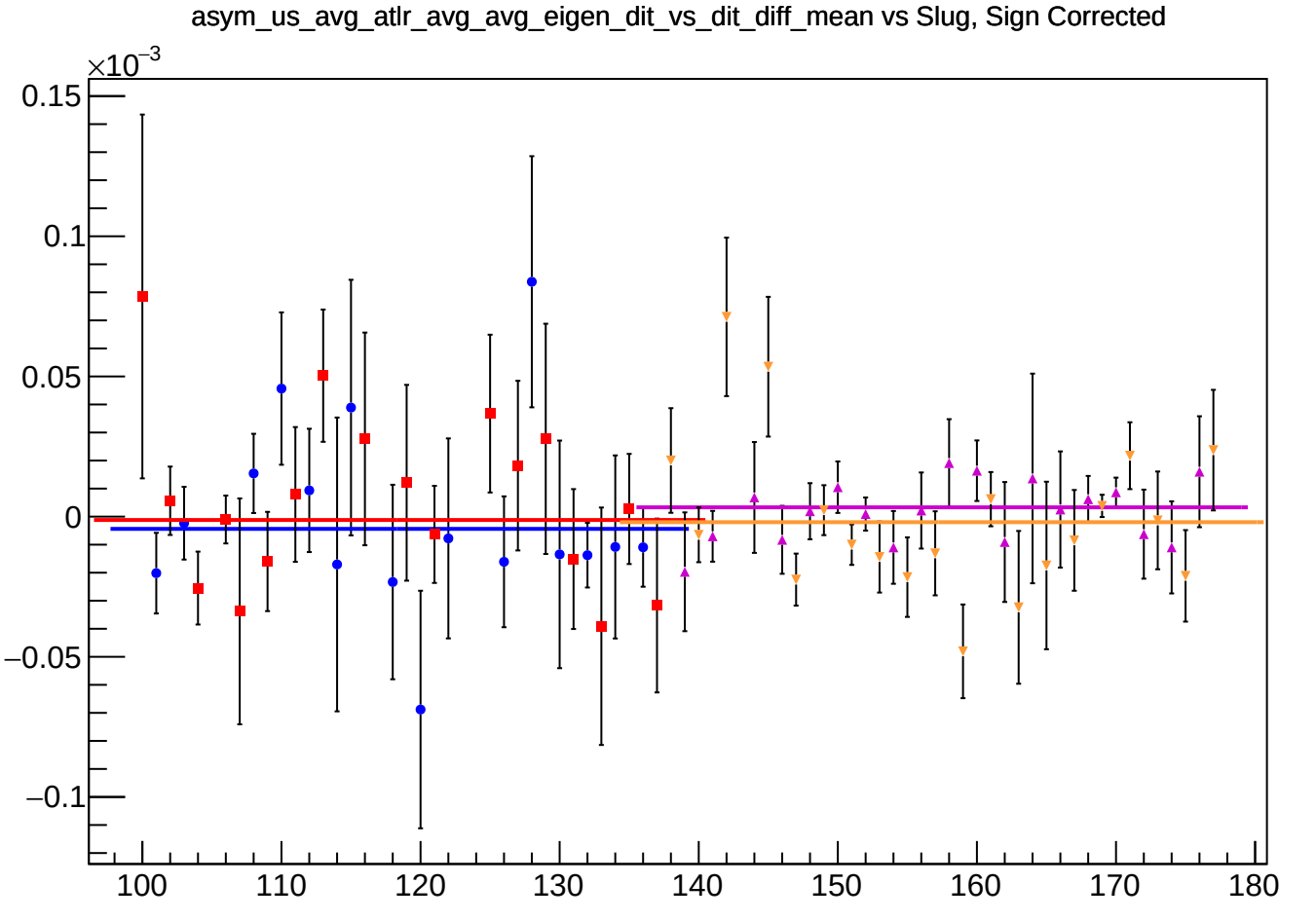
Left: 347.162+/-0.046 χ^2/NDF: 3160998.8/38

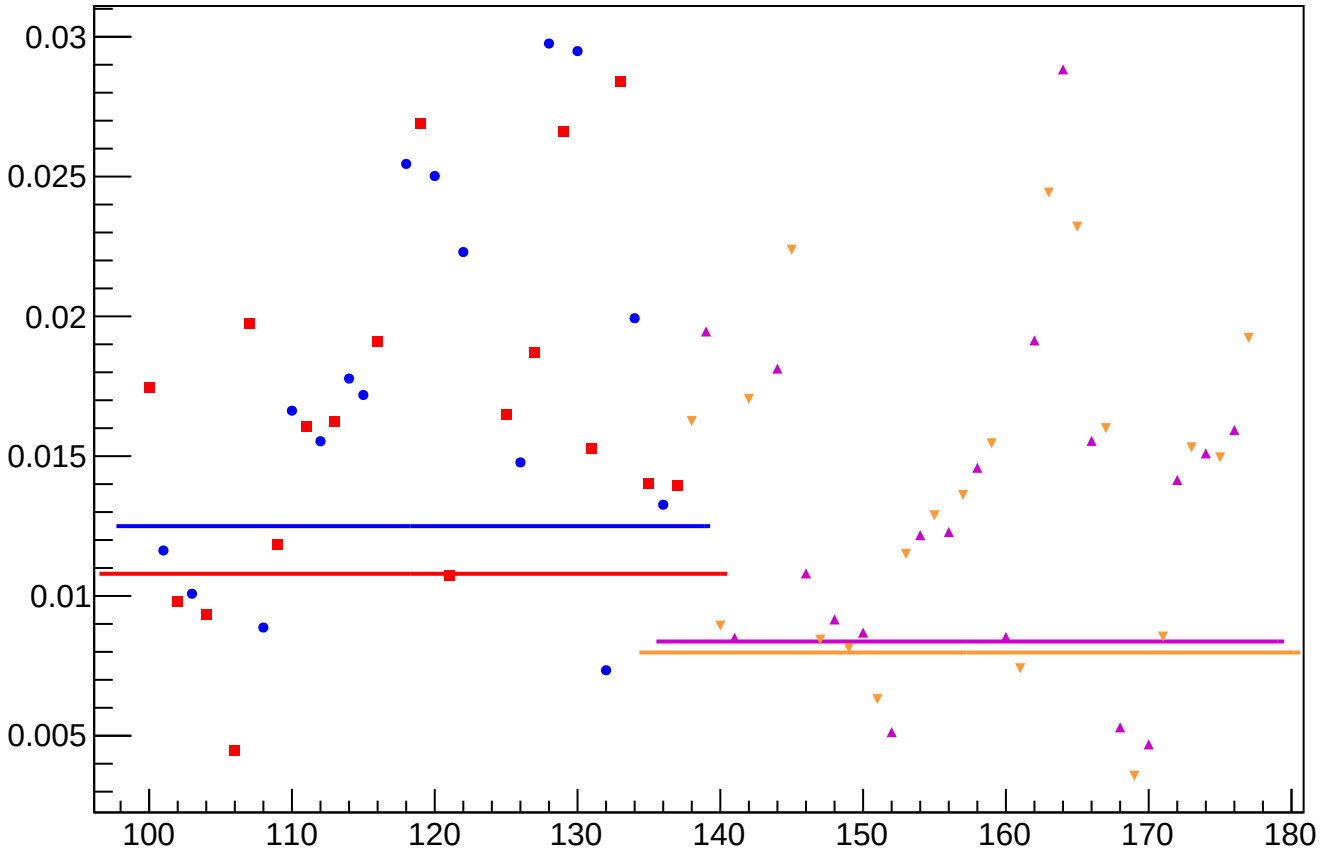
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 281.106+/-0.045 χ^2/NDF:4081387.1/34

Out: 277.031+/-0.045 χ^2/NDF:5907200.4/37

All: 279.085+/-0.032 χ^2/NDF: 9992706.7/72


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:41.9/19
Right Out: -0.000+/-0.000 χ²/NDF: 17.2/17
Left In: 0.000+/-0.000 χ²/NDF:11.0/18
Left: 0.000+/-0.000 χ²/NDF: 55.3/38
Right: -0.000+/-0.000 χ²/NDF: 33.1/33
In: 0.000+/-0.000 χ²/NDF:28.5/34
Out: -0.000+/-0.000 χ²/NDF:59.1/37
All: -0.000+/-0.000 χ²/NDF: 89.1/72



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:7859999.5/19

Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

Left In: 0.008+/-0.000 χ^2/NDF:5893053.0/18

Left: 0.008+/-0.000 χ^2/NDF: 13779450.1/38

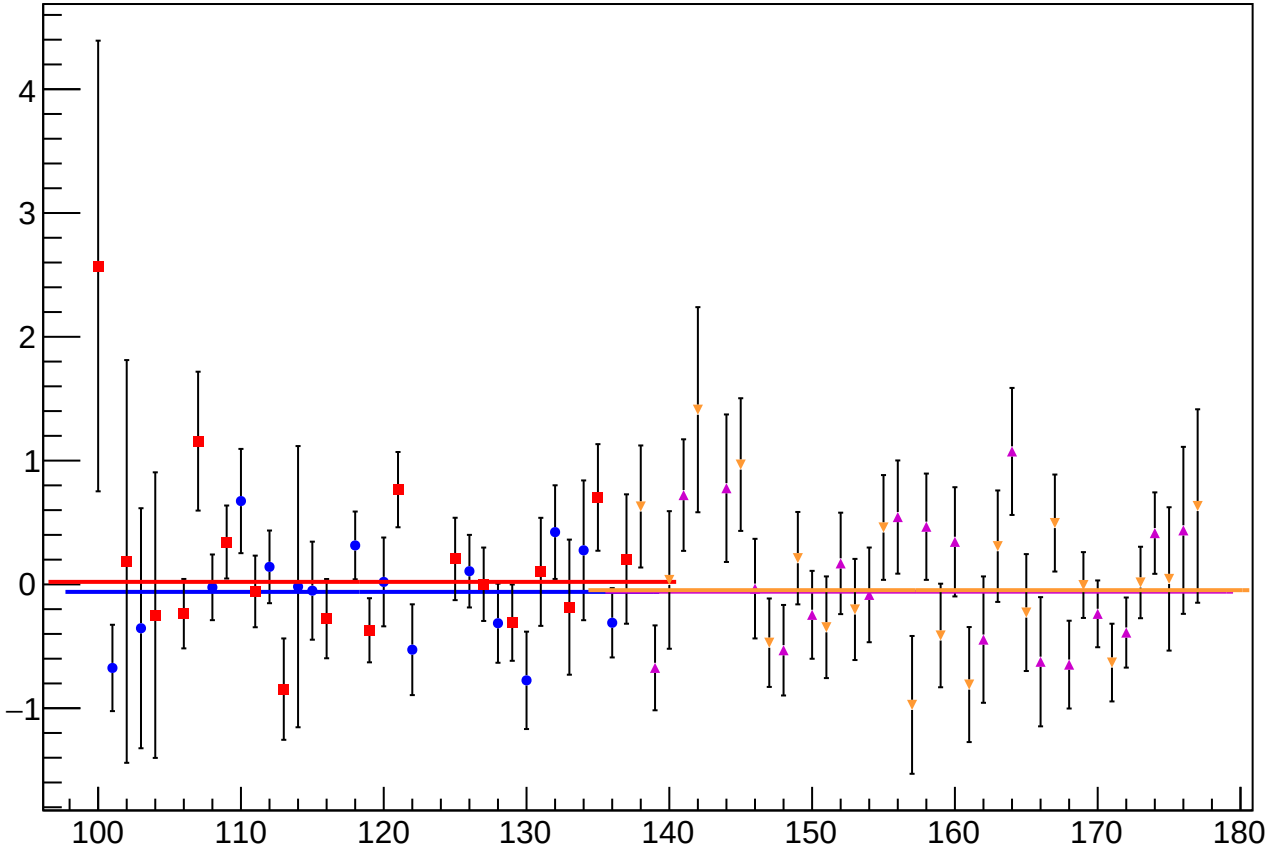
Right: 0.012+/-0.000 χ^2/NDF: 5226474.2/33

In: 0.009+/-0.000 χ^2/NDF:9074093.2/34

Out: 0.009+/-0.000 χ^2/NDF:11440813.1/37

All: 0.009+/-0.000 χ^2/NDF: 20585207.5/72

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: -0.047+/-0.093 χ^2/NDF:25.8/19

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.059+/-0.090 χ^2/NDF:28.3/18

Left: -0.053+/-0.065 χ^2/NDF: 54.1/38

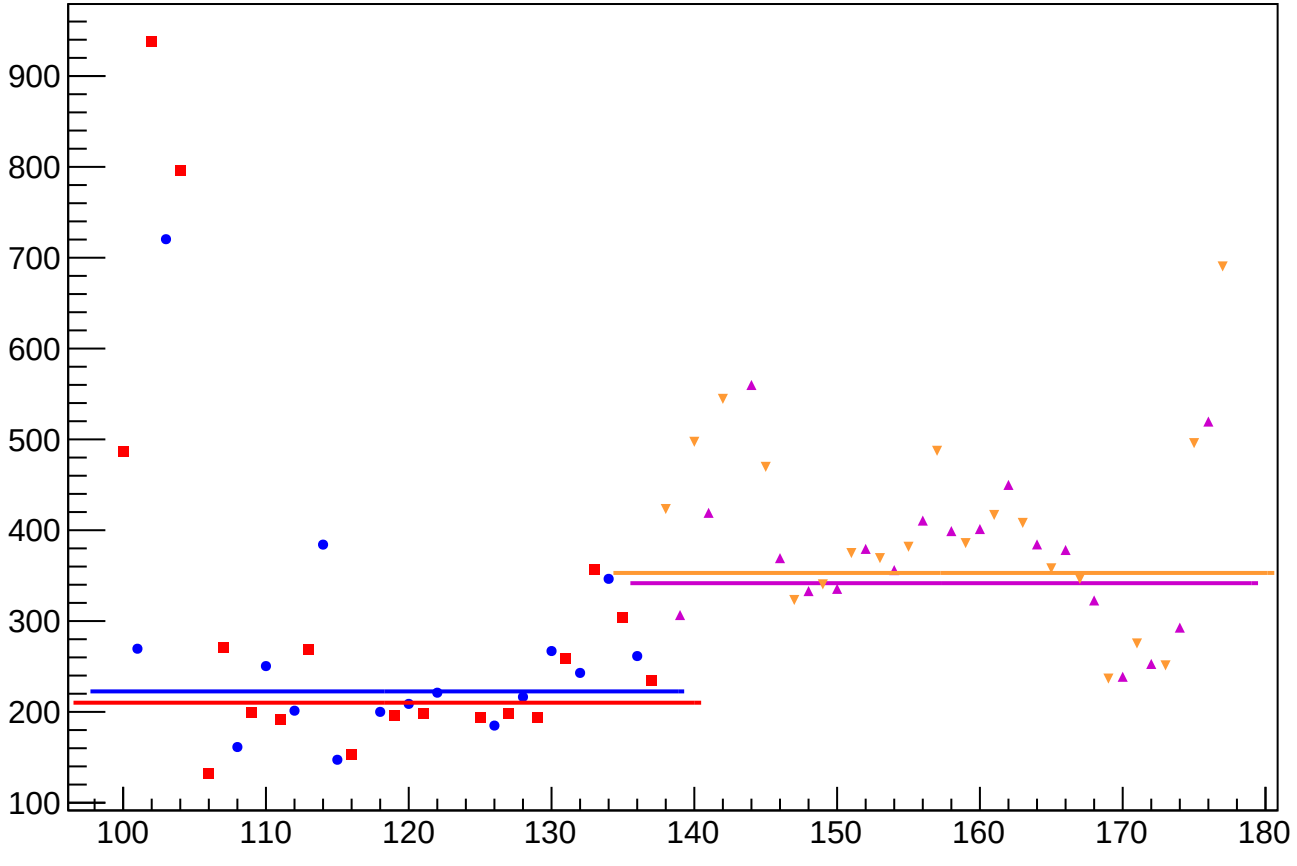
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.060+/-0.063 χ^2/NDF:45.6/34

Out: -0.011+/-0.064 χ^2/NDF:52.2/37

All: -0.035+/-0.045 χ^2/NDF: 98.1/72

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: 352.981+/-0.066 χ^2/NDF:1857930.6/19

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 341.706+/-0.064 χ^2/NDF:1288262.5/18

Left: 347.163+/-0.046 χ^2/NDF: 3161313.7/38

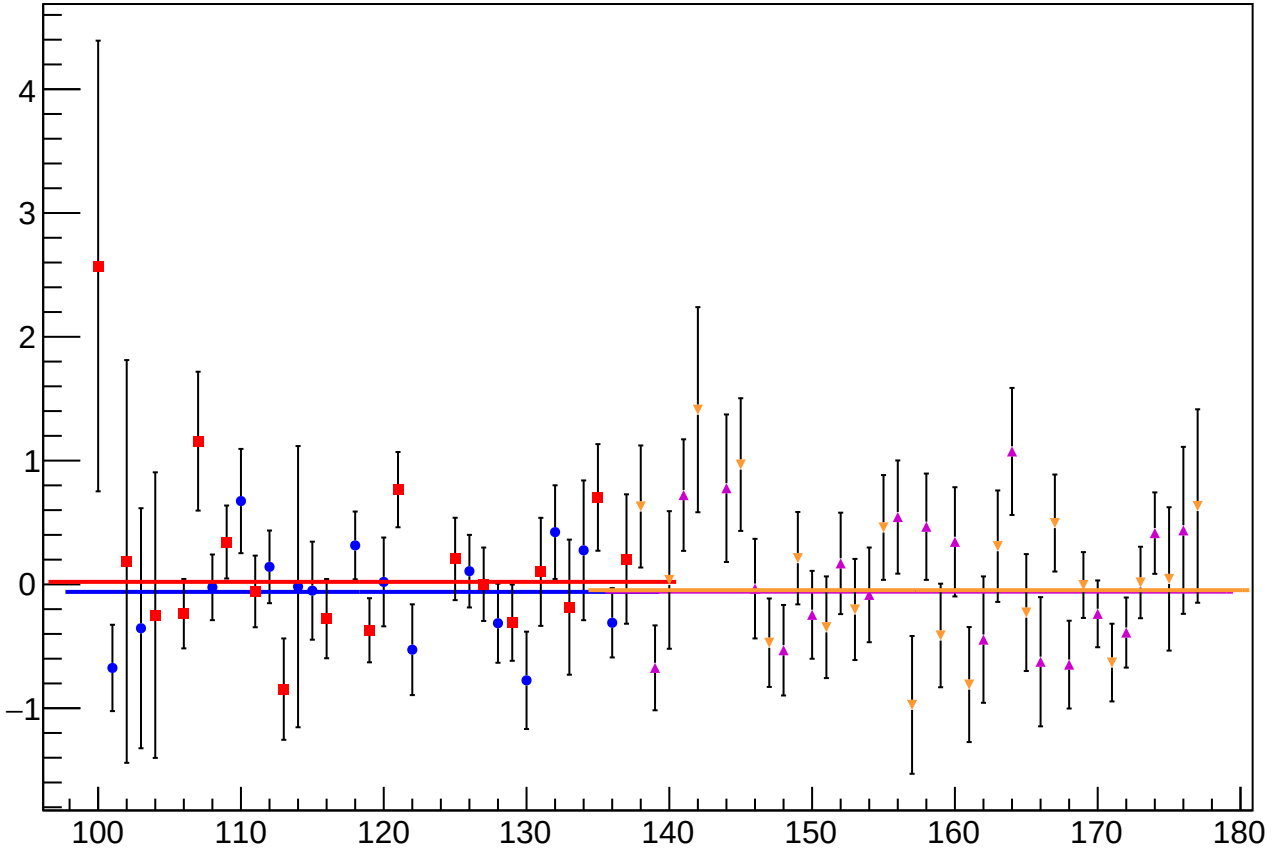
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 281.105+/-0.045 χ^2/NDF:4081603.7/34

Out: 277.029+/-0.045 χ^2/NDF:5907478.4/37

All: 279.084+/-0.032 χ^2/NDF: 9993204.2/72

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: -0.047+/-0.093 χ^2/NDF:25.8/19

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.059+/-0.090 χ^2/NDF:28.3/18

Left: -0.053+/-0.065 χ^2/NDF: 54.1/38

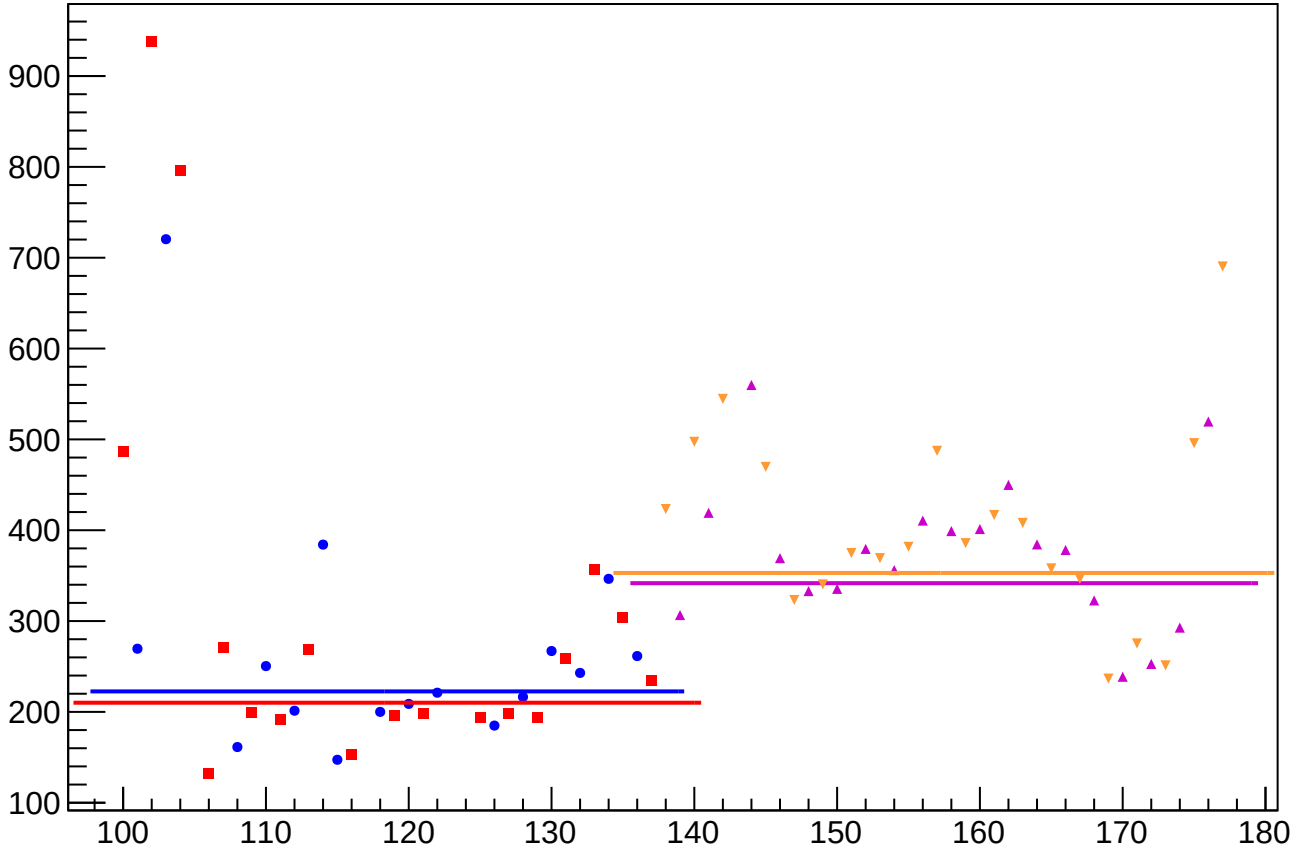
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.060+/-0.063 χ^2/NDF:45.6/34

Out: -0.011+/-0.064 χ^2/NDF:52.2/37

All: -0.035+/-0.045 χ^2/NDF: 98.1/72

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 352.981+/-0.066 χ^2/NDF:1857930.6/19

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 341.706+/-0.064 χ^2/NDF:1288262.5/18

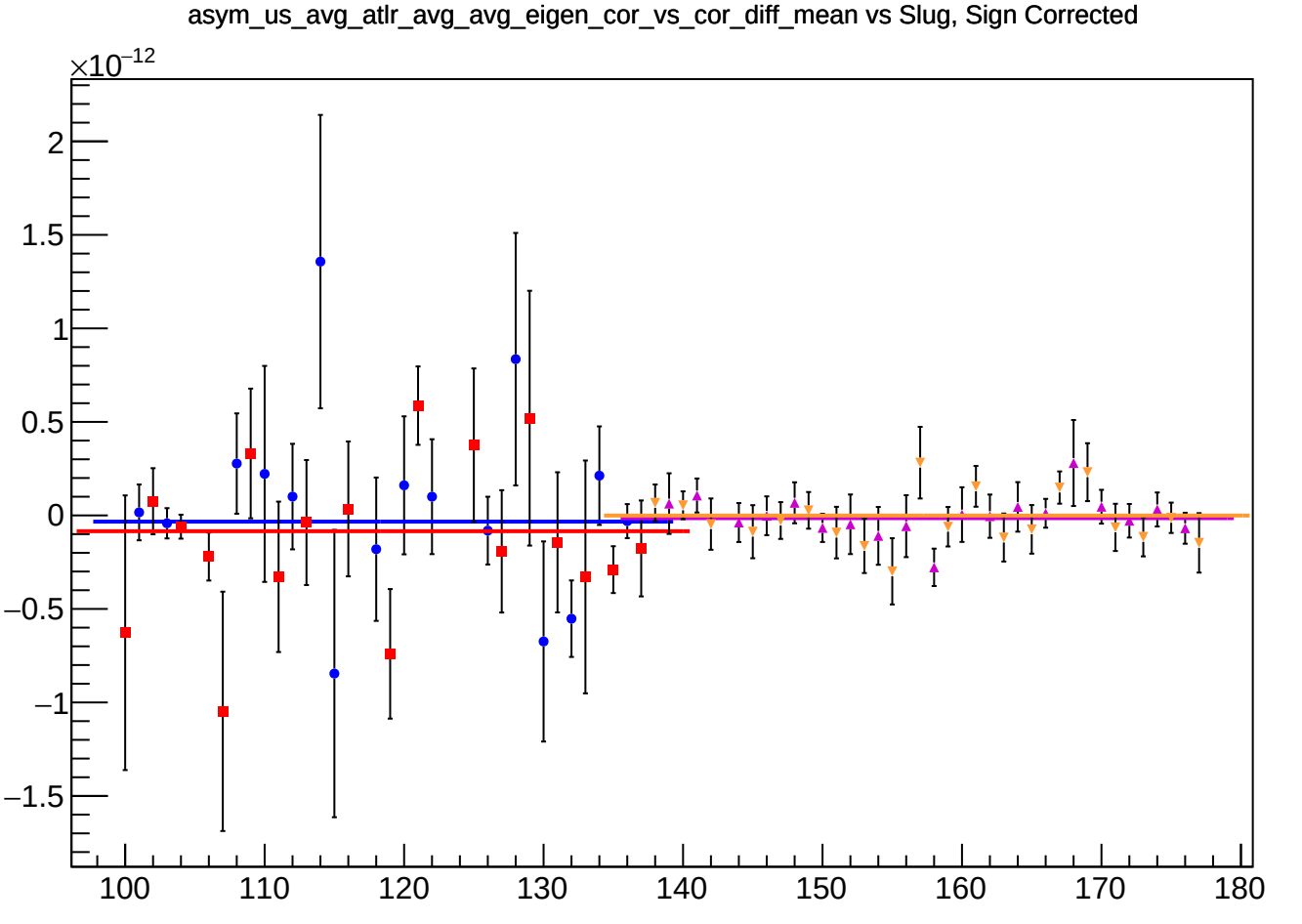
Left: 347.163+/-0.046 χ^2/NDF: 3161313.7/38

Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 281.105+/-0.045 χ^2/NDF:4081603.7/34

Out: 277.029+/-0.045 χ^2/NDF:5907478.4/37

All: 279.084+/-0.032 χ^2/NDF: 9993204.2/72



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.5/19

Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: -0.000+/-0.000 χ^2/NDF:13.7/18

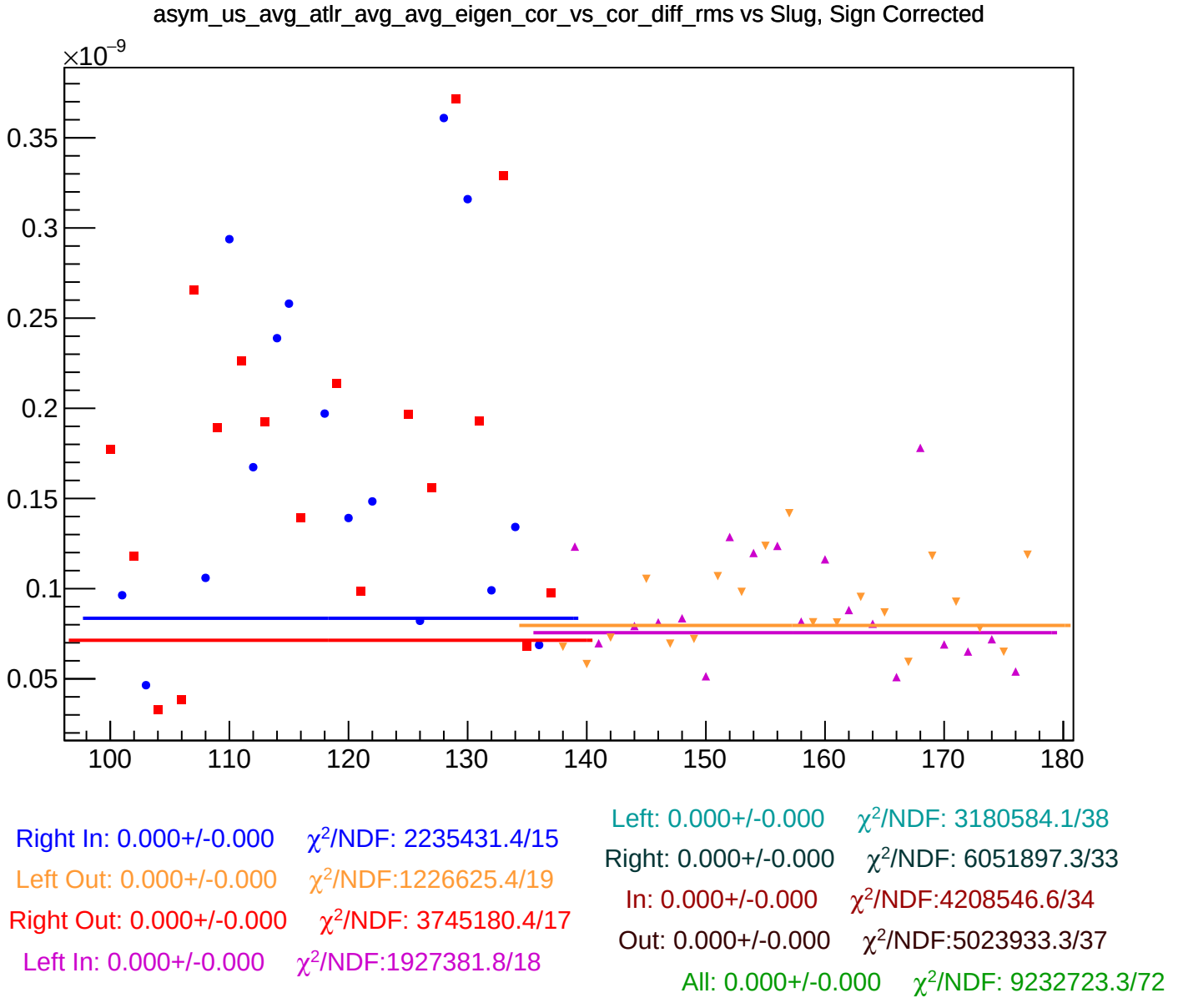
Left: -0.000+/-0.000 χ^2/NDF: 33.3/38

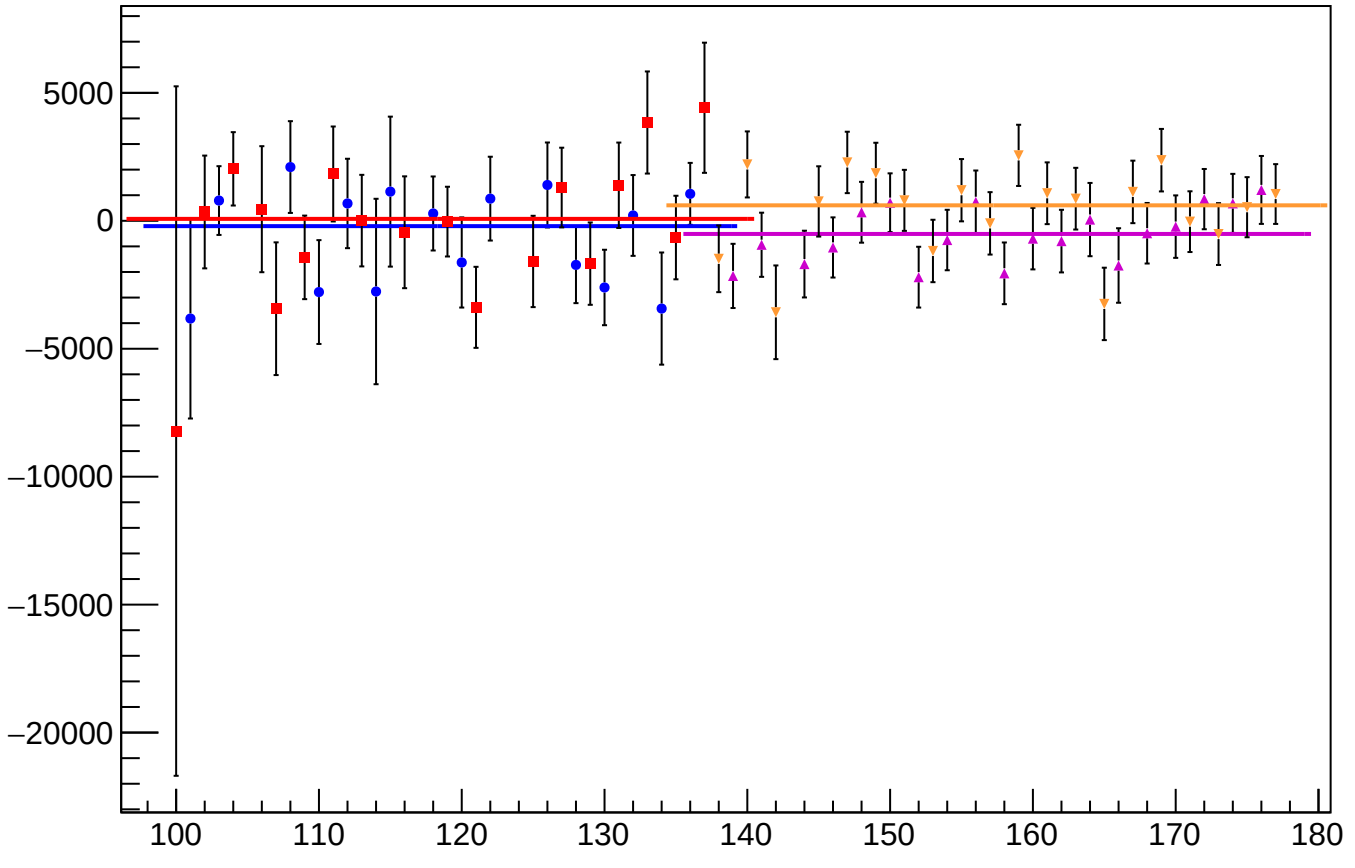
Right: -0.000+/-0.000 χ^2/NDF: 43.7/33

In: -0.000+/-0.000 χ^2/NDF:31.0/34

Out: -0.000+/-0.000 χ^2/NDF:48.0/37

All: -0.000+/-0.000 χ^2/NDF: 79.0/72


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:1226625.4/19
Right Out: 0.000+/-0.000 χ²/NDF: 3745180.4/17
Left In: 0.000+/-0.000 χ²/NDF:1927381.8/18
Left: 0.000+/-0.000 χ²/NDF: 3180584.1/38
Right: 0.000+/-0.000 χ²/NDF: 6051897.3/33
In: 0.000+/-0.000 χ²/NDF:4208546.6/34
Out: 0.000+/-0.000 χ²/NDF:5023933.3/37
All: 0.000+/-0.000 χ²/NDF: 9232723.3/72



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: 604.791+/-278.341 χ^2/NDF:29.0/19

Right Out: 75.616+/-430.760 χ^2/NDF: 20.7/17

Left In: -513.674+/-281.992 χ^2/NDF:14.3/18

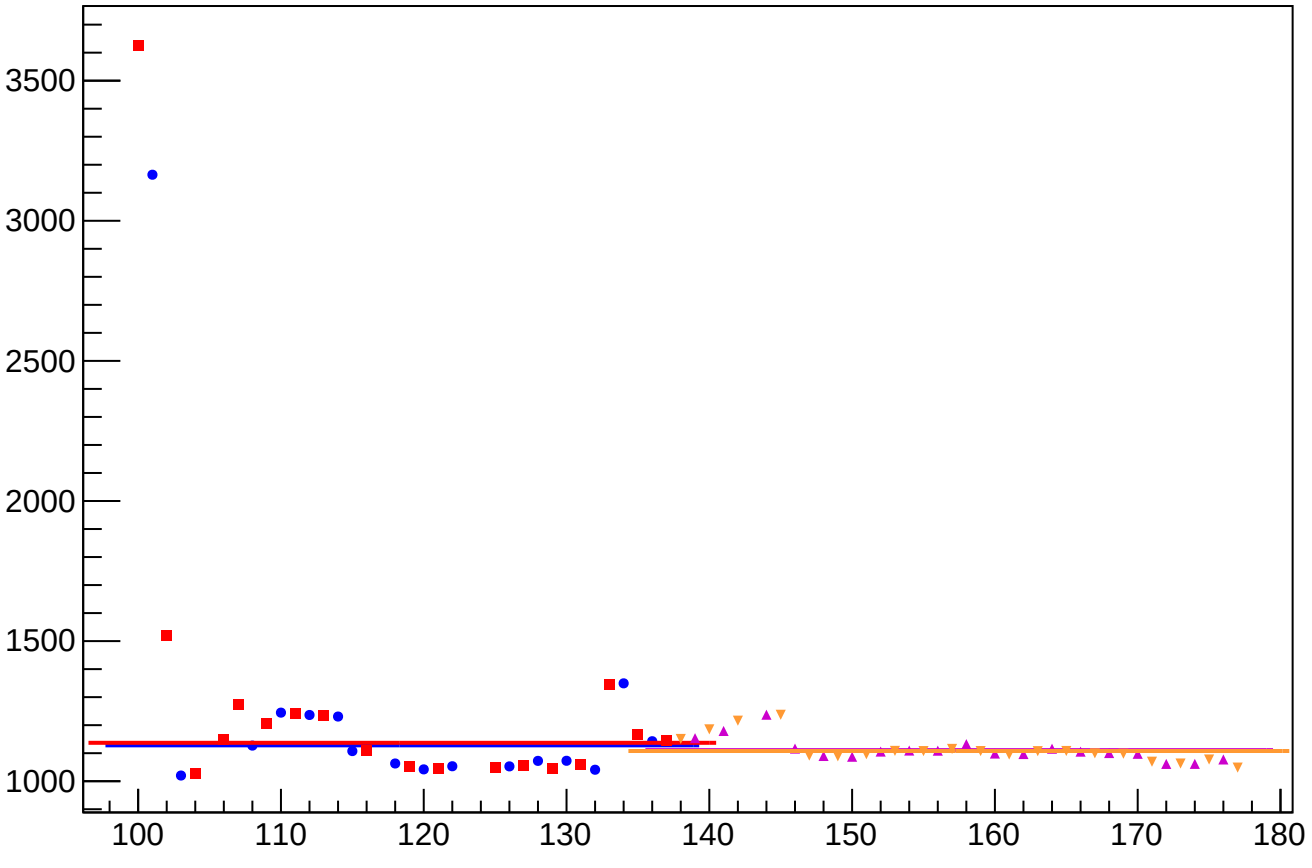
Left: 52.846+/-198.095 χ^2/NDF: 51.3/38

Right: -66.891+/-304.024 χ^2/NDF: 35.6/33

In: -421.597+/-235.668 χ^2/NDF:29.4/34

Out: 448.925+/-233.782 χ^2/NDF:50.7/37

All: 17.162+/-165.972 χ^2/NDF: 87.0/72



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1107.801+/-0.197 χ^2/NDF:46923.9/19

Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1110.946+/-0.199 χ^2/NDF:38478.5/18

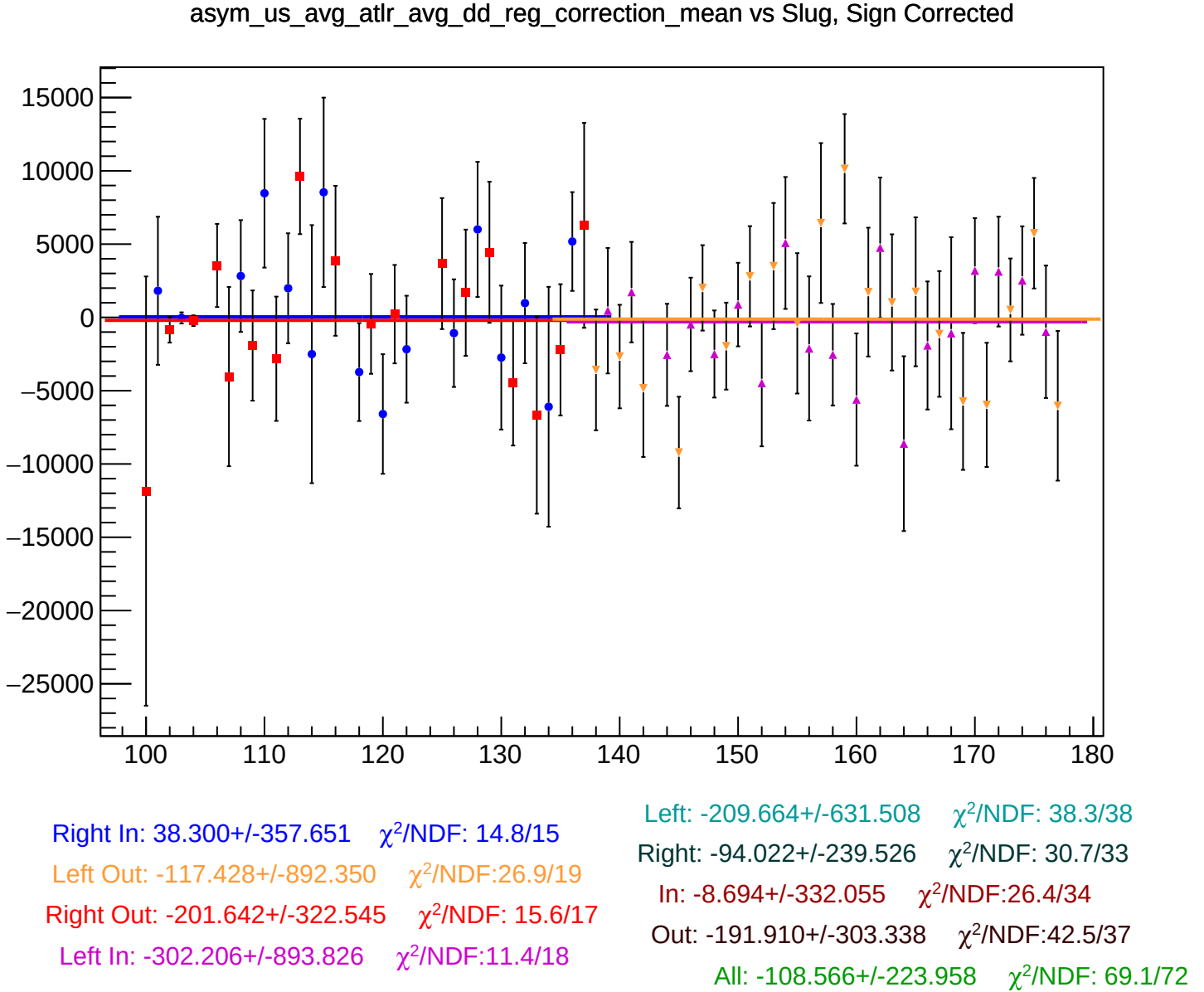
Left: 1109.353+/-0.140 χ^2/NDF: 85528.4/38

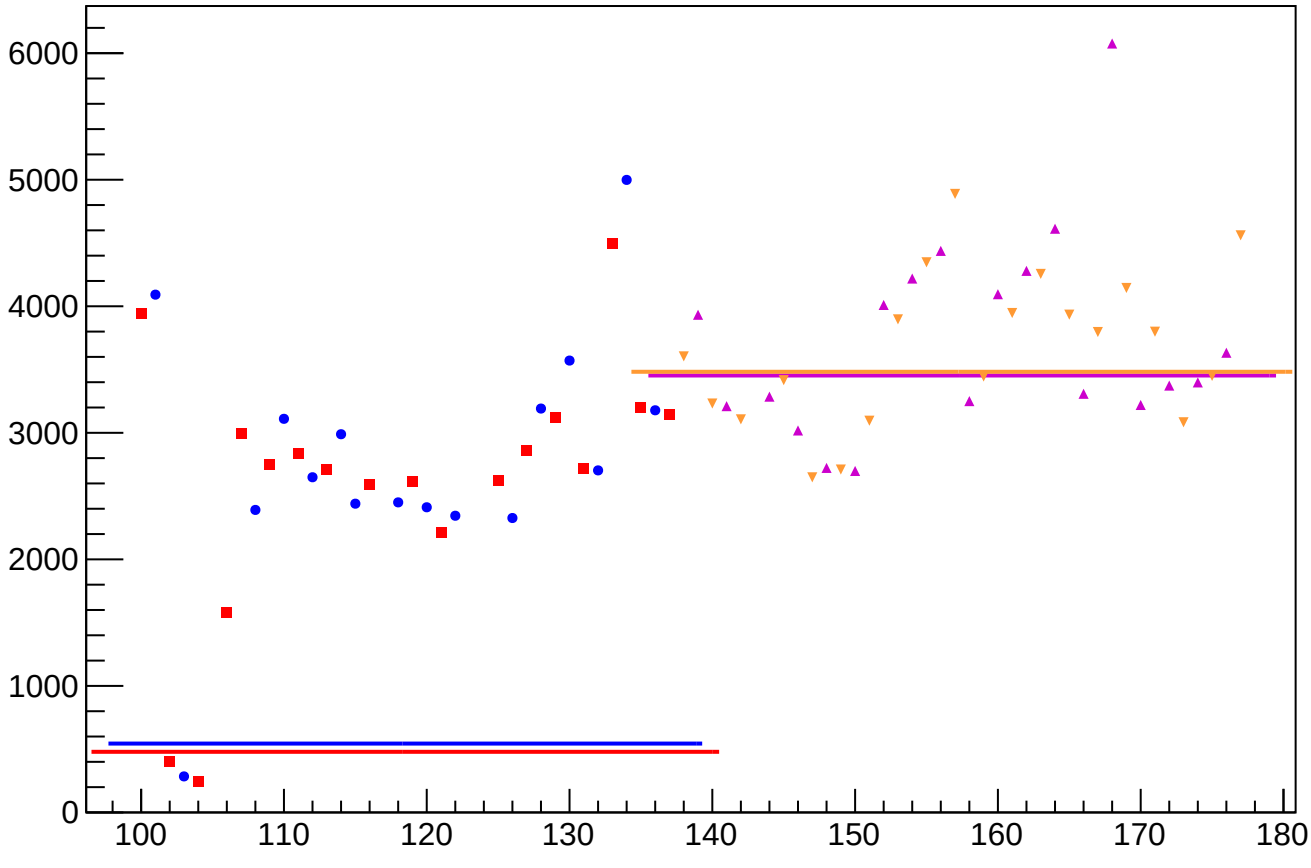
Right: 1132.516+/-0.215 χ^2/NDF: 841922.9/33

In: 1116.091+/-0.167 χ^2/NDF:662080.9/34

Out: 1116.436+/-0.165 χ^2/NDF:273527.8/37

All: 1116.265+/-0.117 χ^2/NDF: 935610.9/72


asym_us_avg_atlr_avg_dd_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
Right In: 38.300+/-357.651 χ²/NDF: 14.8/15
Left Out: -117.428+/-892.350 χ²/NDF:26.9/19
Right Out: -201.642+/-322.545 χ²/NDF: 15.6/17
Left In: -302.206+/-893.826 χ²/NDF:11.4/18
Left: -209.664+/-631.508 χ²/NDF: 38.3/38
Right: -94.022+/-239.526 χ²/NDF: 30.7/33
In: -8.694+/-332.055 χ²/NDF:26.4/34
Out: -191.910+/-303.338 χ²/NDF:42.5/37
All: -108.566+/-223.958 χ²/NDF: 69.1/72



Right In: 544.336+/-0.253 χ^2/NDF: 9682967.9/15

Left Out: 3482.426+/-0.631 χ^2/NDF:837868.9/19

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

Left In: 3453.062+/-0.632 χ^2/NDF:1027469.8/18

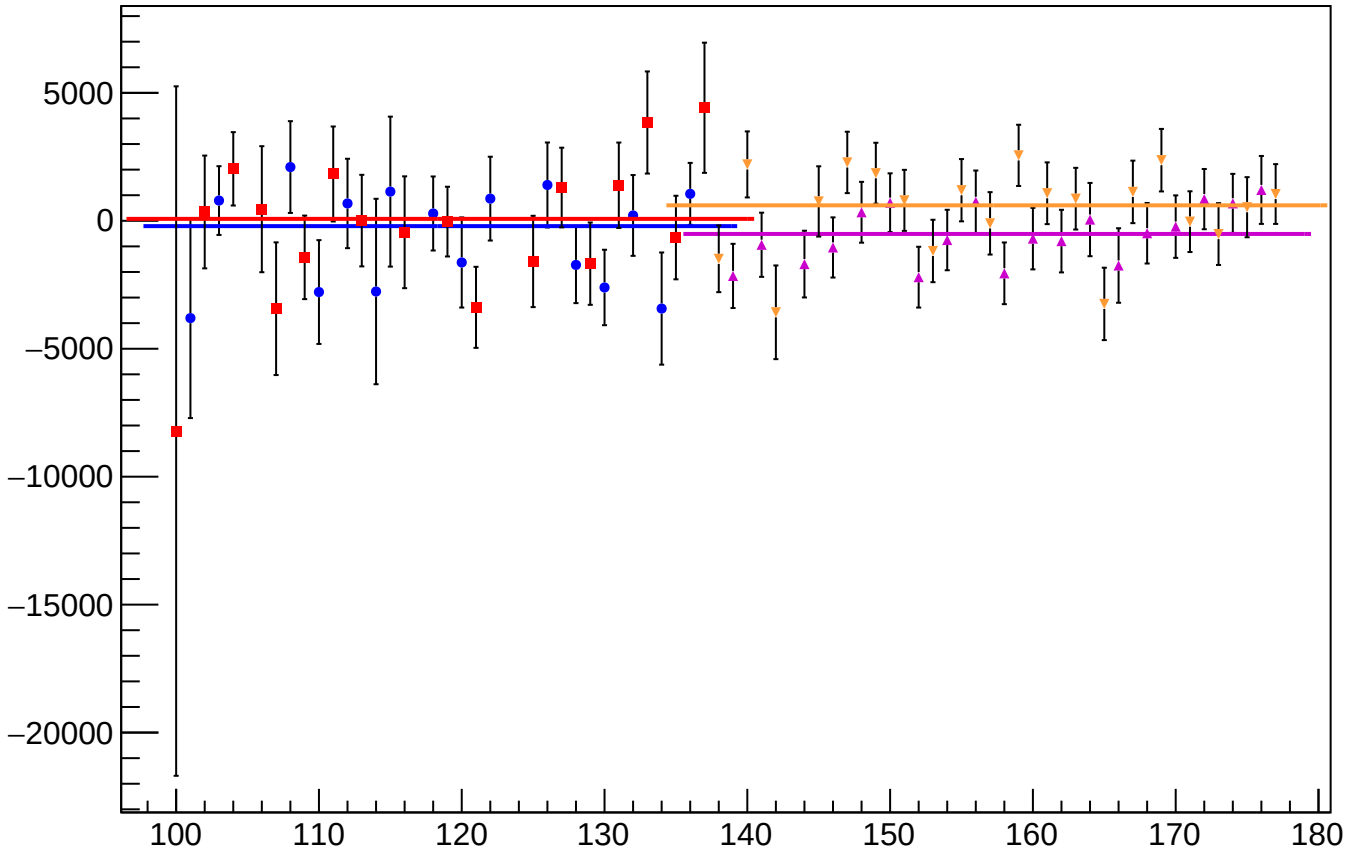
Left: 3467.768+/-0.447 χ^2/NDF: 1866419.7/38

Right: 508.444+/-0.169 χ^2/NDF: 18907476.4/33

In: 945.773+/-0.235 χ^2/NDF:28967504.9/34

Out: 826.278+/-0.214 χ^2/NDF:30060961.2/37

All: 880.636+/-0.158 χ^2/NDF: 59169650.5/72



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 604.856+/-278.341 χ^2/NDF:29.0/19

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: -513.666+/-281.992 χ^2/NDF:14.3/18

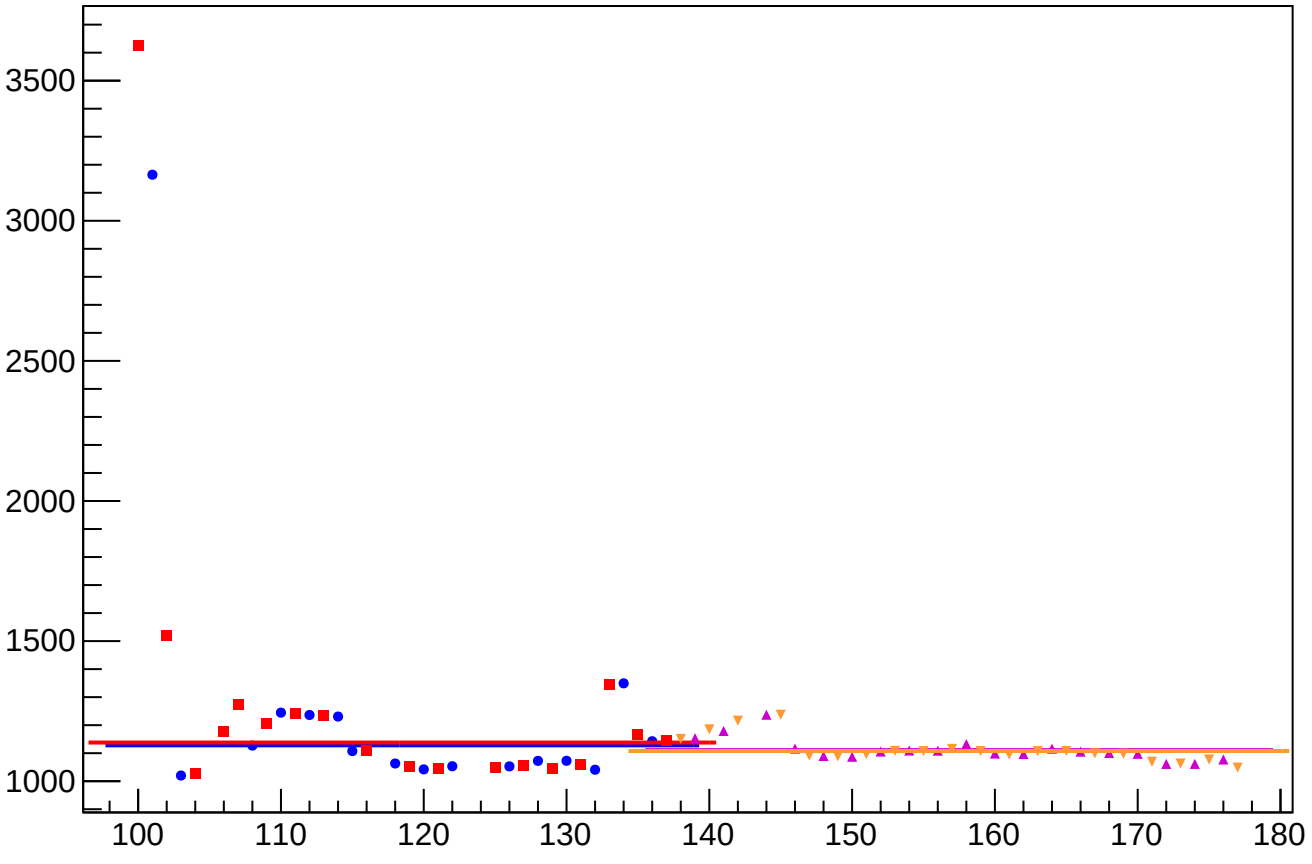
Left: 52.884+/-198.095 χ^2/NDF: 51.3/38

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -421.522+/-235.668 χ^2/NDF:29.4/34

Out: 449.014+/-233.782 χ^2/NDF:50.7/37

All: 17.243+/-165.972 χ^2/NDF: 87.0/72



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1107.801+/-0.197 χ^2/NDF:46923.9/19

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1110.946+/-0.199 χ^2/NDF:38478.5/18

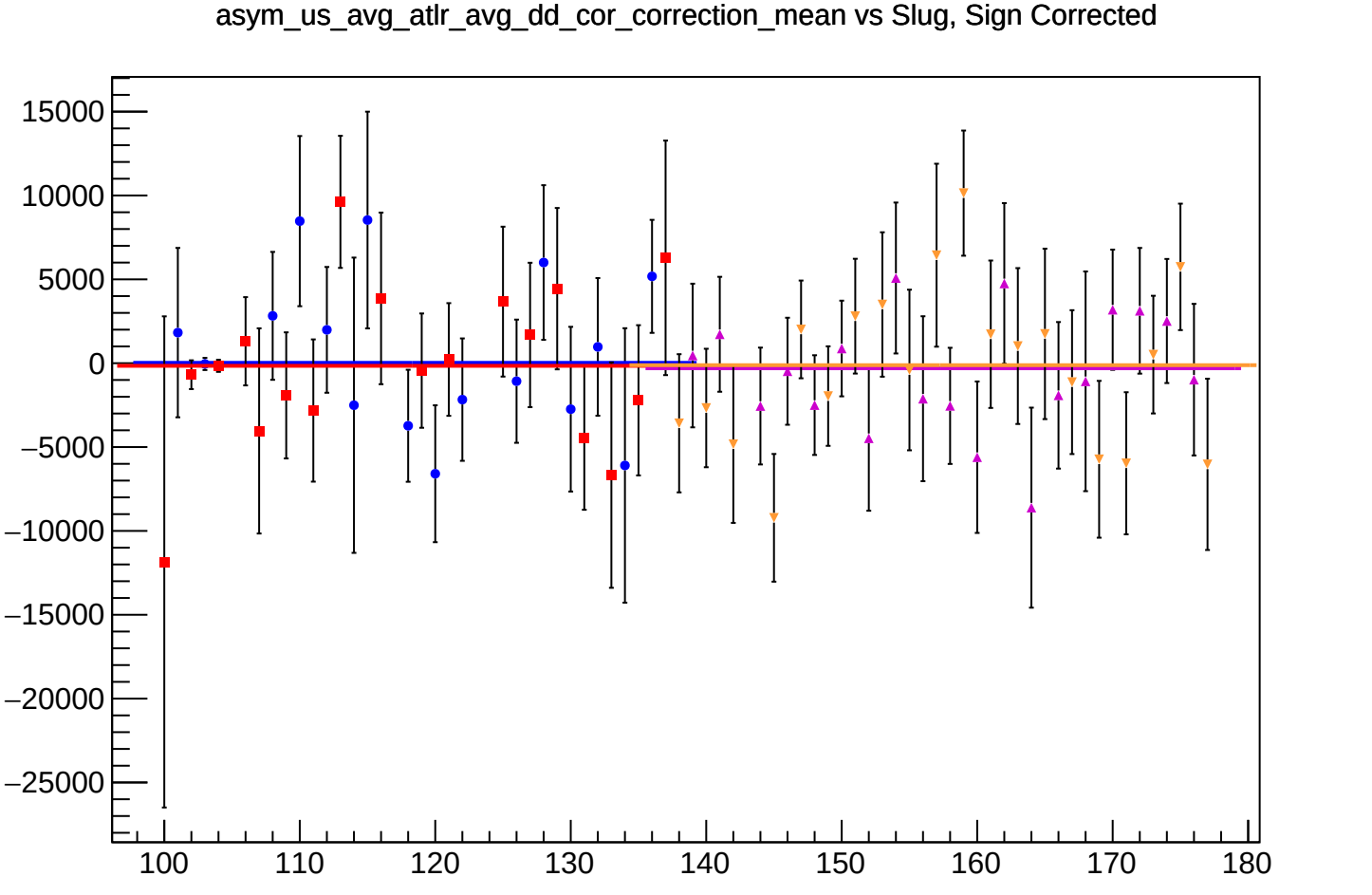
Left: 1109.353+/-0.140 χ^2/NDF: 85528.4/38

Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1116.091+/-0.167 χ^2/NDF:662081.9/34

Out: 1116.703+/-0.165 χ^2/NDF:274488.0/37

All: 1116.399+/-0.117 χ^2/NDF: 936576.8/72



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -117.383+/-892.351 χ^2/NDF:26.9/19

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: -302.235+/-893.826 χ^2/NDF:11.4/18

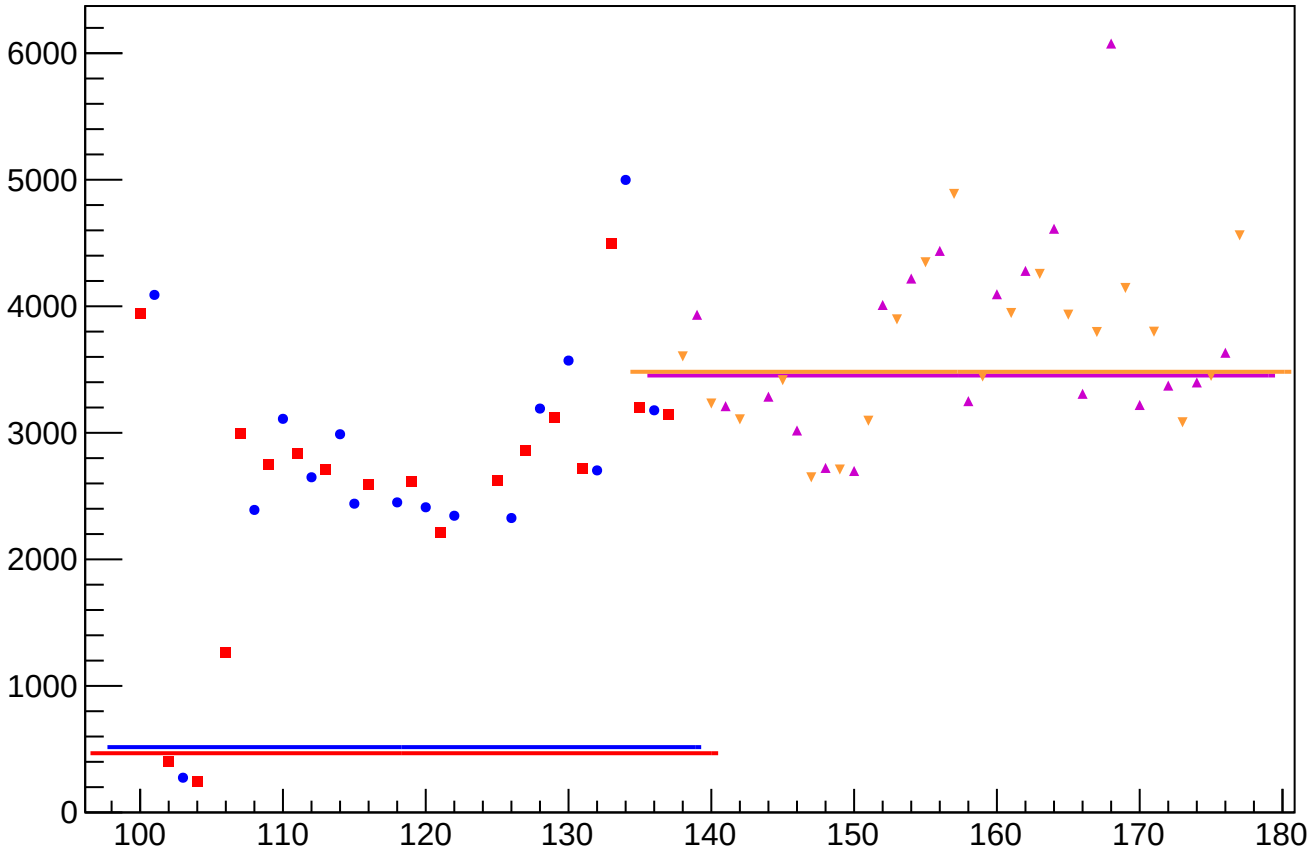
Left: -209.656+/-631.508 χ^2/NDF: 38.3/38

Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: -20.250+/-321.471 χ^2/NDF:26.4/34

Out: -151.869+/-299.019 χ^2/NDF:40.9/37

All: -90.816+/-218.946 χ^2/NDF: 67.4/72



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3482.426+/-0.631 χ^2/NDF:837873.7/19

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3453.061+/-0.632 χ^2/NDF:1027475.7/18

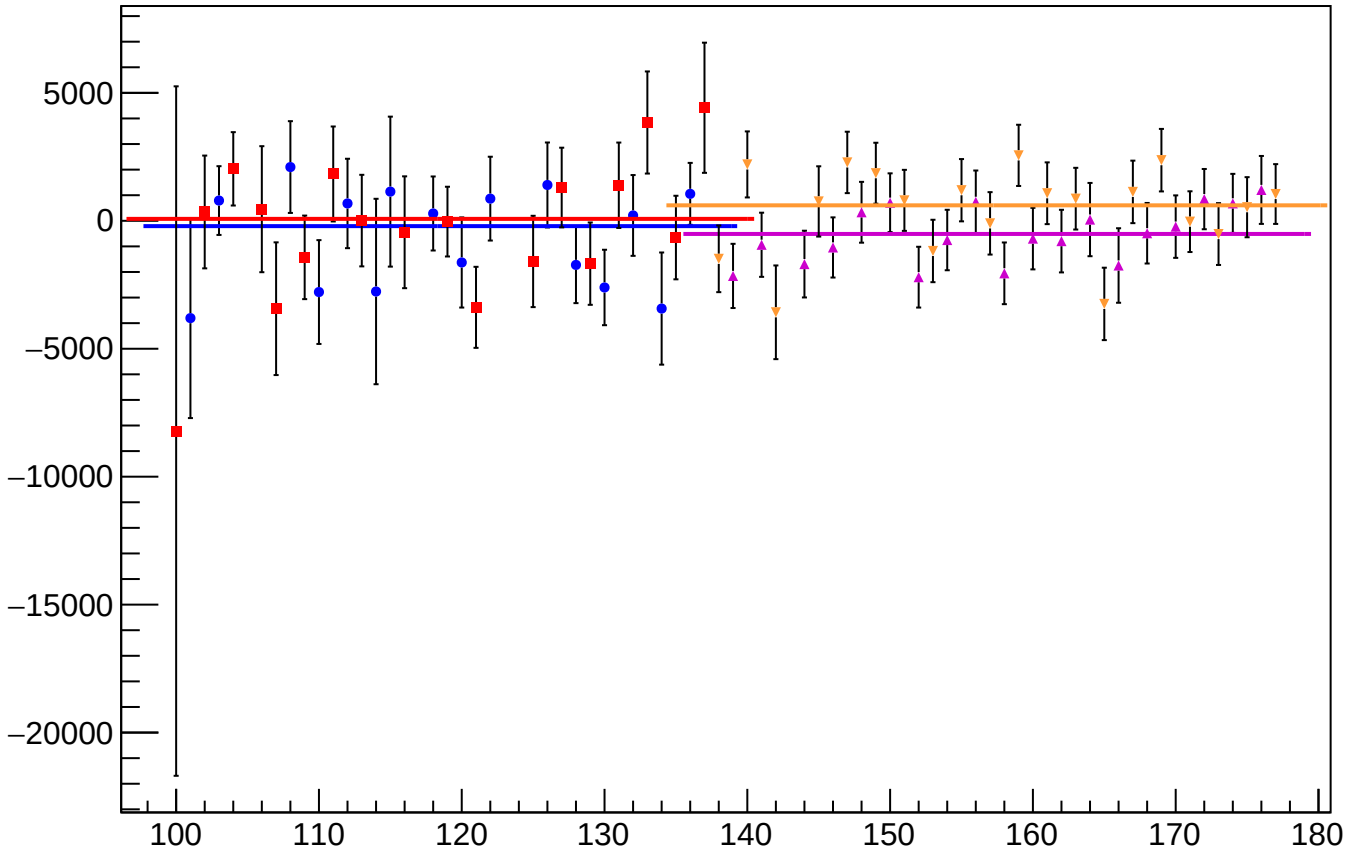
Left: 3467.768+/-0.447 χ^2/NDF: 1866430.5/38

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 896.177+/-0.227 χ^2/NDF:29659812.5/34

Out: 806.531+/-0.211 χ^2/NDF:30208380.9/37

All: 848.115+/-0.155 χ^2/NDF: 59951578.2/72



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 604.856+/-278.341 χ^2/NDF:29.0/19

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: -513.666+/-281.992 χ^2/NDF:14.3/18

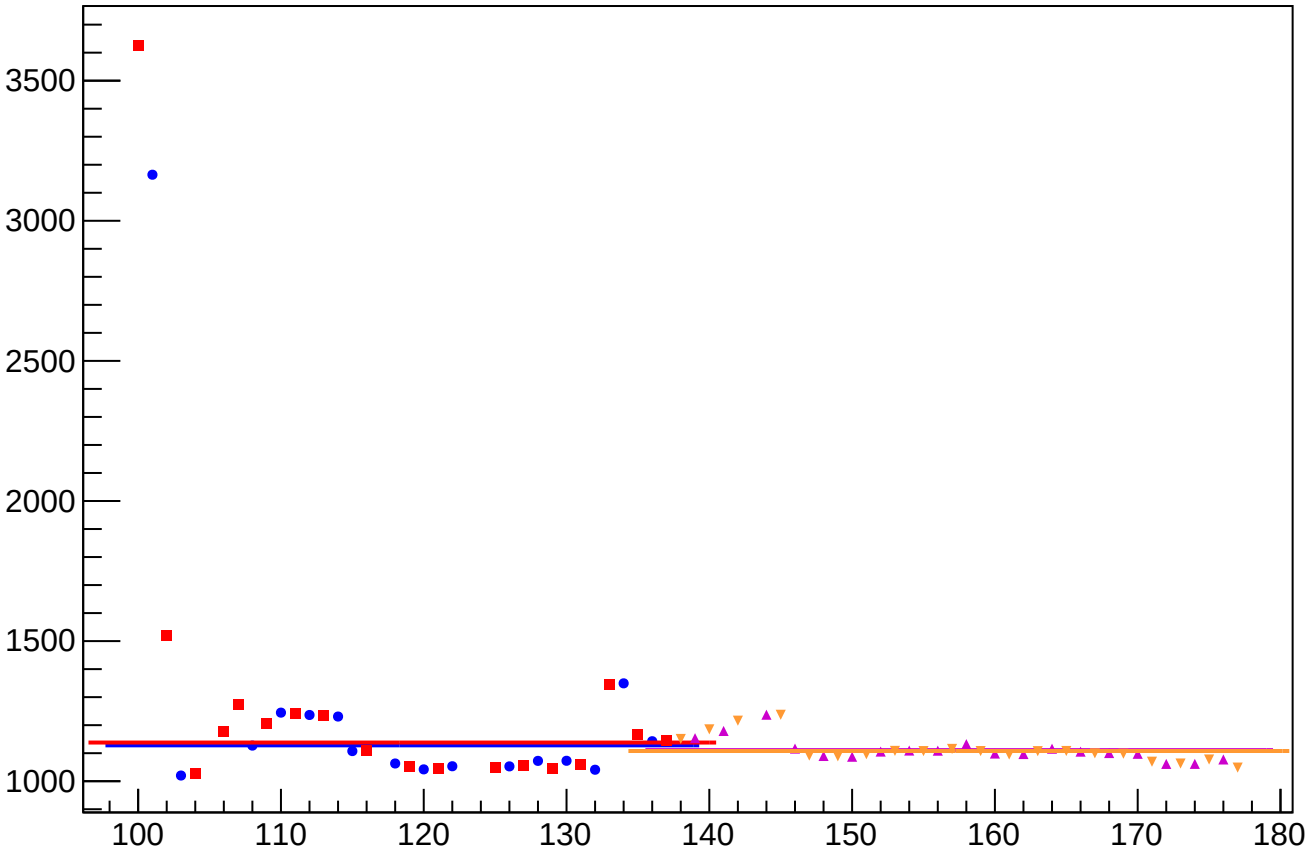
Left: 52.884+/-198.095 χ^2/NDF: 51.3/38

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -421.522+/-235.668 χ^2/NDF:29.4/34

Out: 449.014+/-233.782 χ^2/NDF:50.7/37

All: 17.243+/-165.972 χ^2/NDF: 87.0/72



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1107.801+/-0.197 χ^2/NDF:46923.9/19

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1110.946+/-0.199 χ^2/NDF:38478.5/18

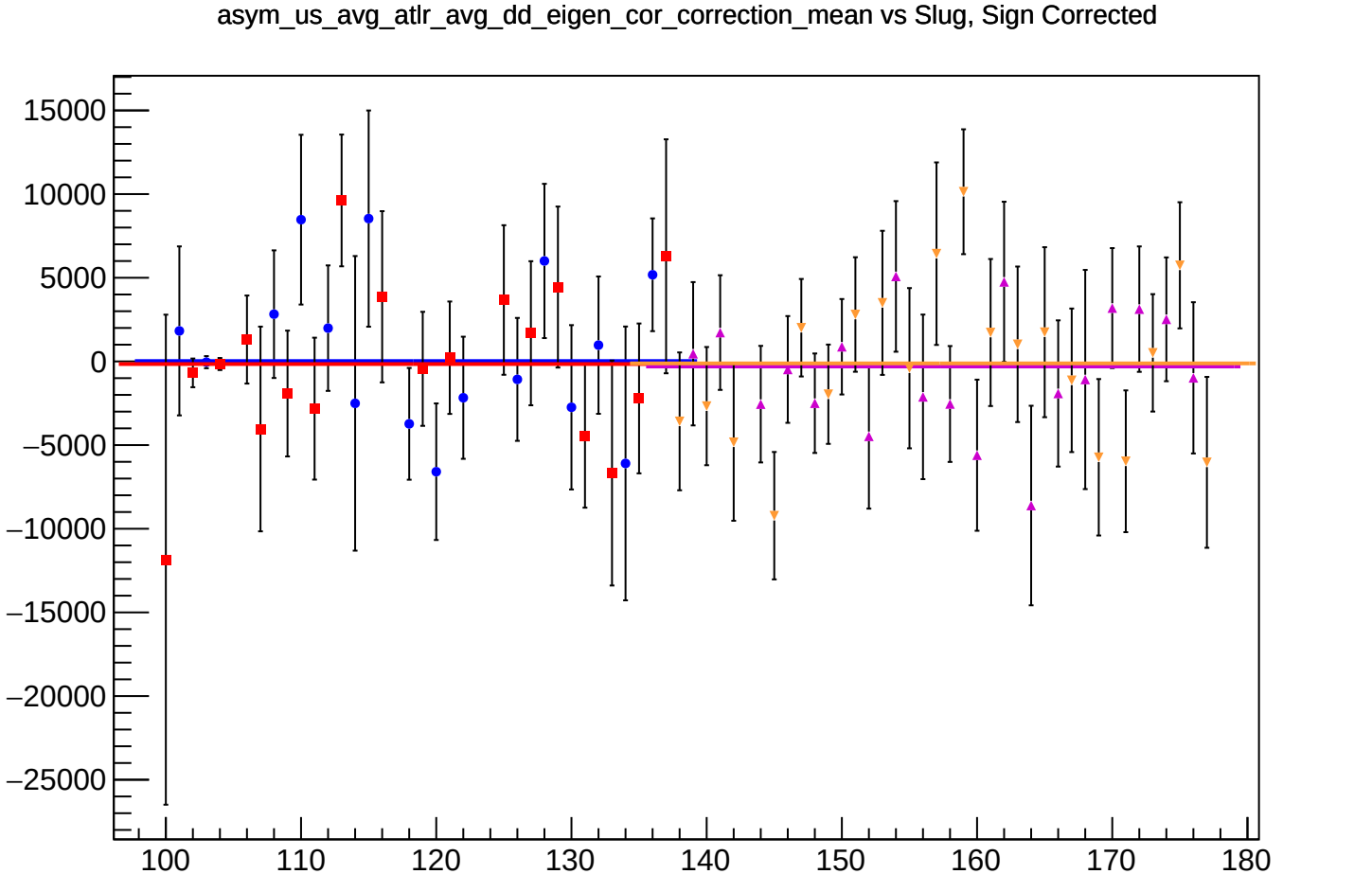
Left: 1109.353+/-0.140 χ^2/NDF: 85528.4/38

Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1116.091+/-0.167 χ^2/NDF:662081.9/34

Out: 1116.703+/-0.165 χ^2/NDF:274488.0/37

All: 1116.399+/-0.117 χ^2/NDF: 936576.8/72



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -117.383+/-892.351 χ^2/NDF:26.9/19

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: -302.235+/-893.826 χ^2/NDF:11.4/18

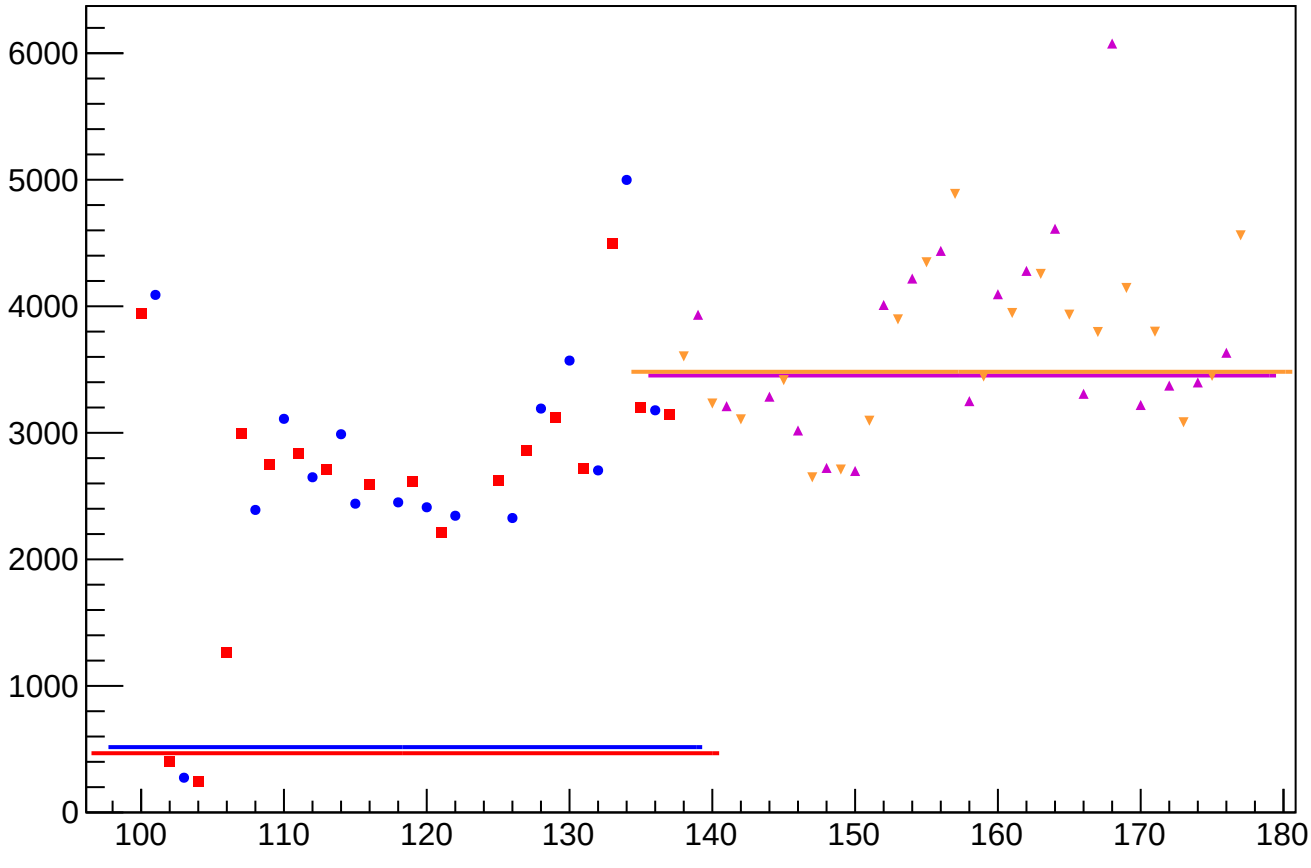
Left: -209.656+/-631.508 χ^2/NDF: 38.3/38

Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: -20.250+/-321.471 χ^2/NDF:26.4/34

Out: -151.869+/-299.019 χ^2/NDF:40.9/37

All: -90.816+/-218.946 χ^2/NDF: 67.4/72



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3482.426+/-0.631 χ^2/NDF:837873.7/19

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3453.061+/-0.632 χ^2/NDF:1027475.7/18

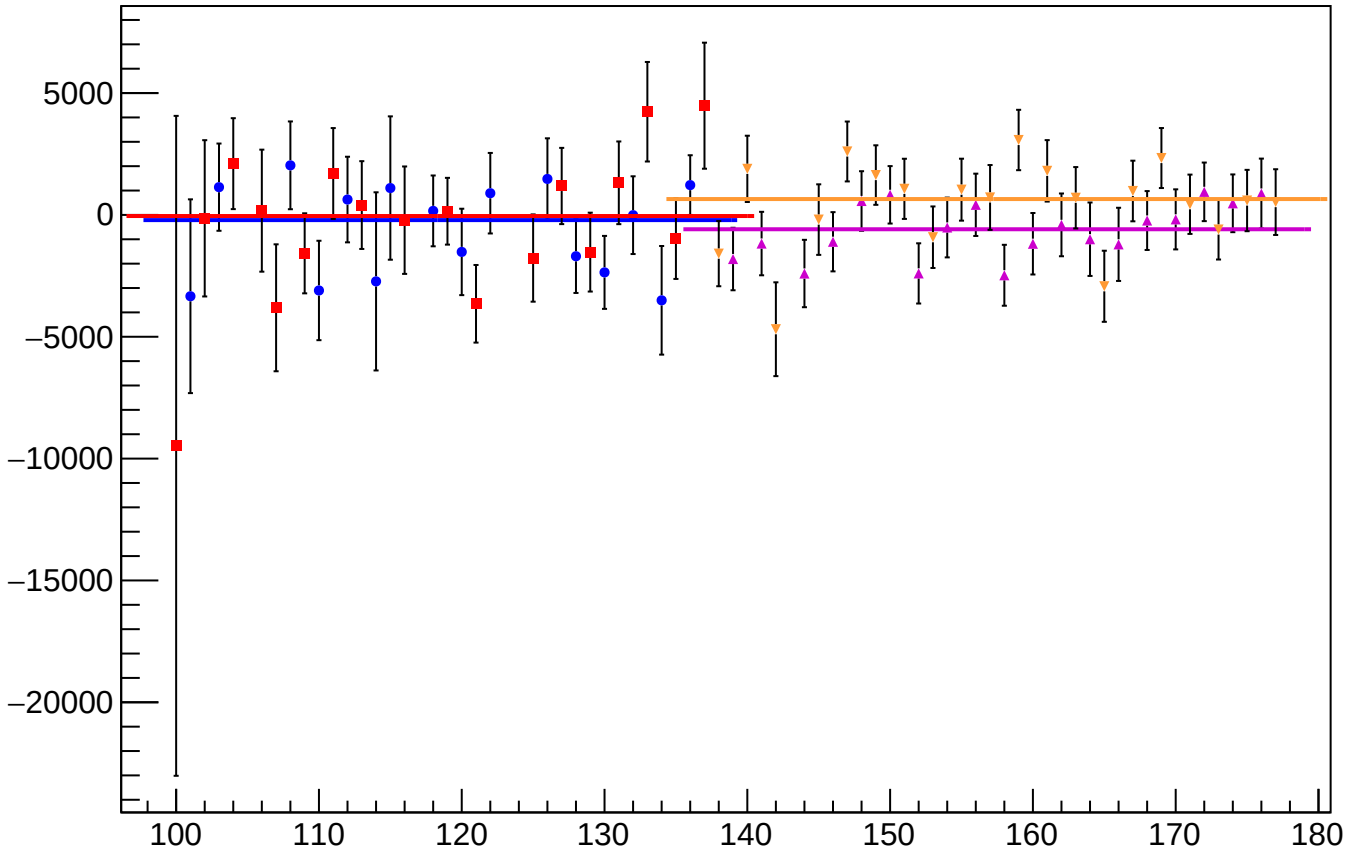
Left: 3467.768+/-0.447 χ^2/NDF: 1866430.5/38

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 896.177+/-0.227 χ^2/NDF:29659812.5/34

Out: 806.531+/-0.211 χ^2/NDF:30208380.9/37

All: 848.115+/-0.155 χ^2/NDF: 59951578.2/72



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: 651.037+/-290.492 χ^2/NDF:30.3/19

Right Out: -45.535+/-447.221 χ^2/NDF: 21.7/17

Left In: -588.408+/-292.245 χ^2/NDF:14.6/18

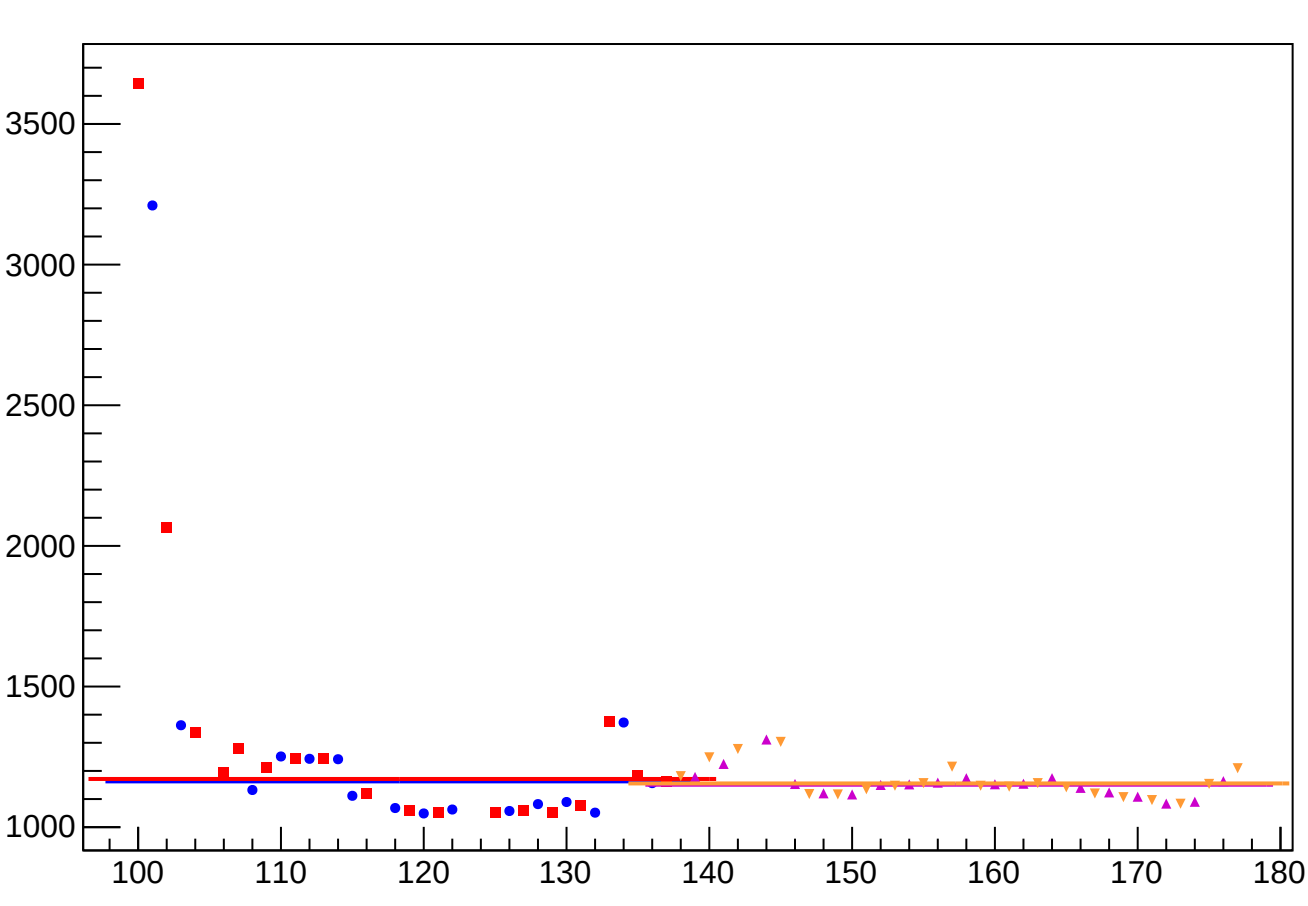
Left: 35.043+/-206.026 χ^2/NDF: 53.9/38

Right: -130.161+/-314.617 χ^2/NDF: 36.1/33

In: -474.483+/-243.892 χ^2/NDF:29.4/34

Out: 444.348+/-243.611 χ^2/NDF:53.7/37

All: -14.539+/-172.358 χ^2/NDF: 90.2/72



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1155.519+/-0.205 χ^2/NDF:67591.1/19

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1150.906+/-0.207 χ^2/NDF:53796.5/18

Left: 1153.227+/-0.146 χ^2/NDF: 121638.3/38

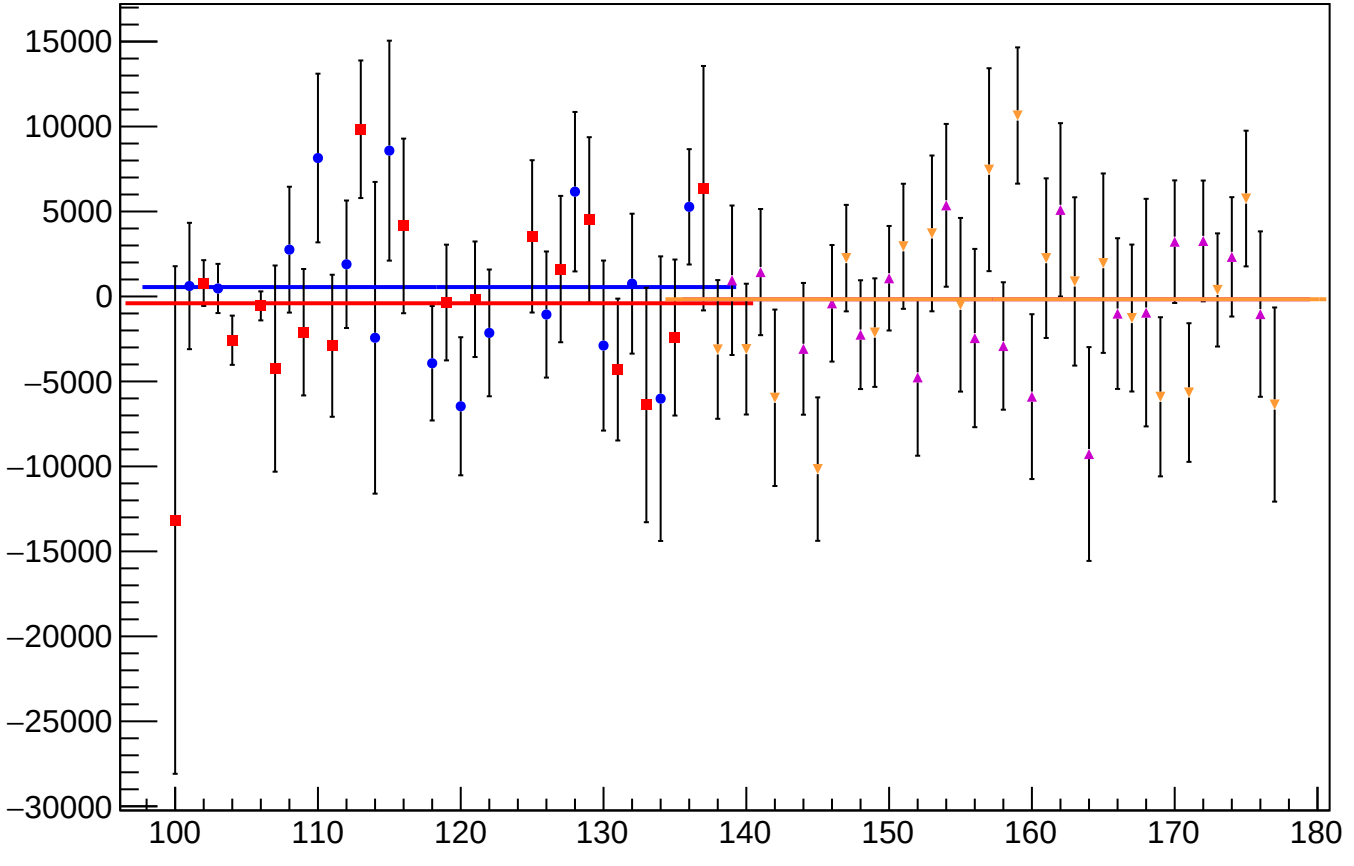
Right: 1167.094+/-0.222 χ^2/NDF: 967365.3/33

In: 1154.532+/-0.172 χ^2/NDF:690164.2/34

Out: 1160.241+/-0.172 χ^2/NDF:401011.2/37

All: 1157.390+/-0.122 χ^2/NDF: 1091724.0/72

asym_us_avg_atlr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: -164.048+/-938.443 χ^2/NDF:26.5/19

Right Out: -400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: -165.127+/-938.353 χ^2/NDF:11.4/18

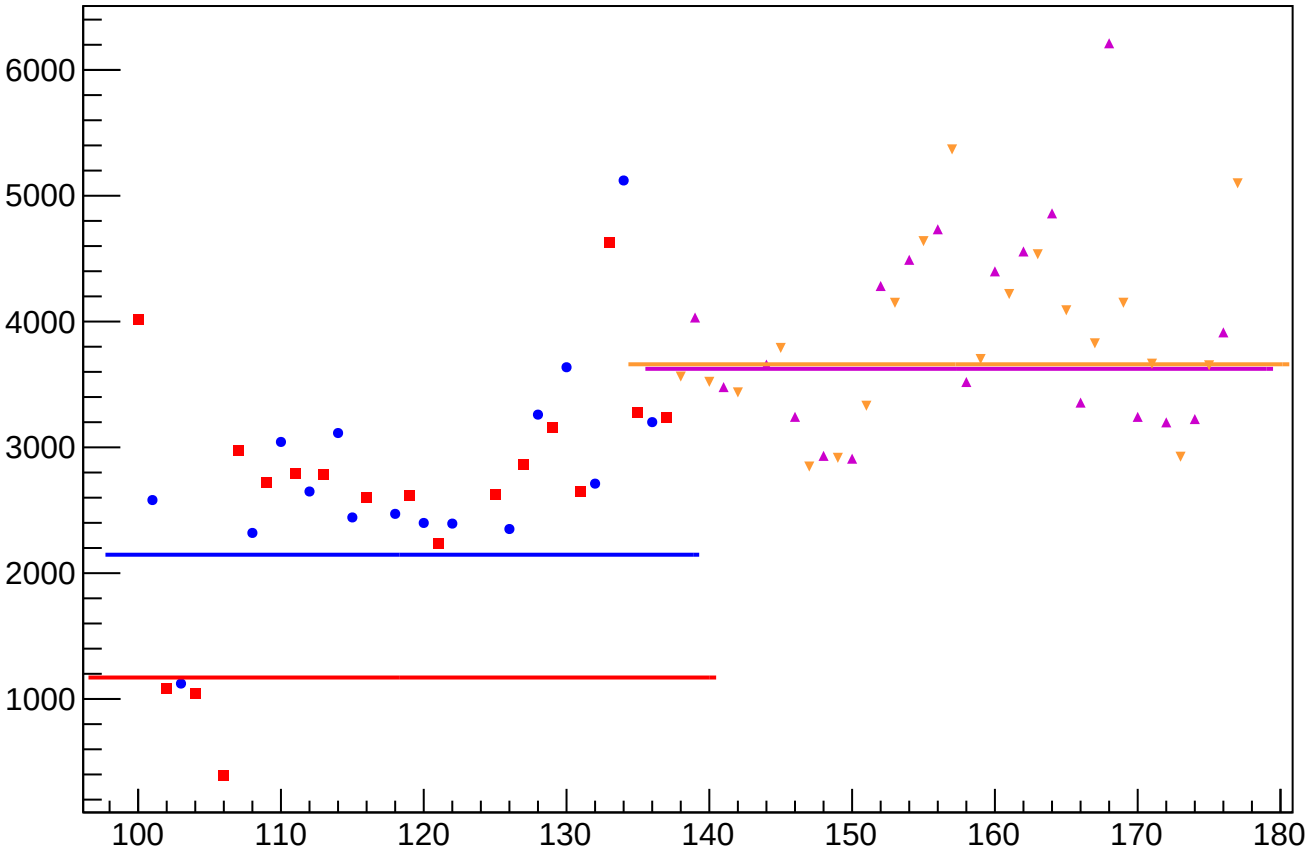
Left: -164.588+/-663.548 χ^2/NDF: 37.9/38

Right: -119.015+/-475.024 χ^2/NDF: 31.9/33

In: 219.093+/-639.603 χ^2/NDF:26.1/34

Out: -337.401+/-484.590 χ^2/NDF:43.2/37

All: -134.457+/-386.251 χ^2/NDF: 69.8/72



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3660.357+/-0.664 χ^2/NDF:881278.5/19

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

Left In: 3624.267+/-0.664 χ^2/NDF:1028690.7/18

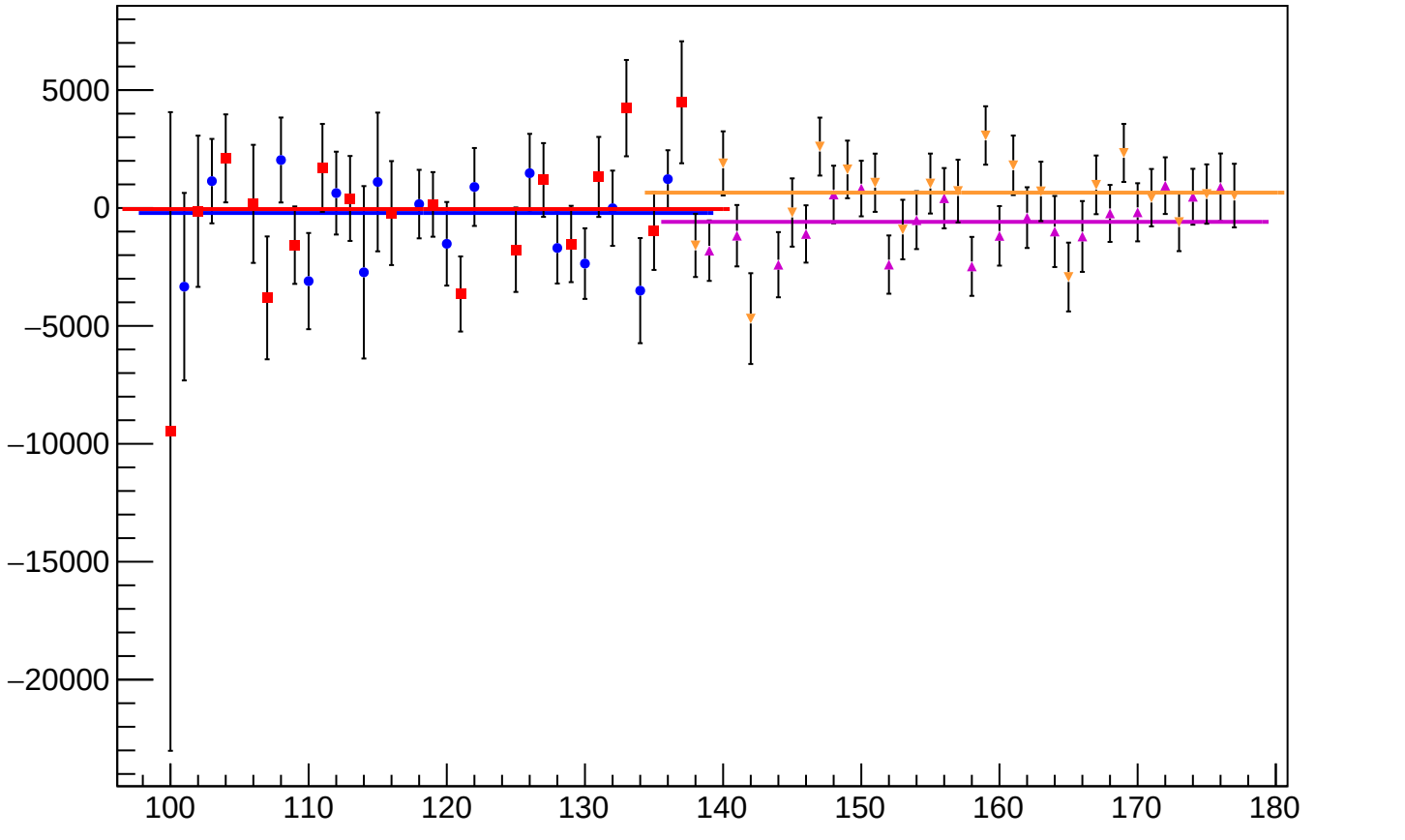
Left: 3642.310+/-0.469 χ^2/NDF: 1911448.3/38

Right: 1458.811+/-0.336 χ^2/NDF: 9549375.1/33

In: 2833.146+/-0.452 χ^2/NDF:5658701.5/34

Out: 1834.462+/-0.343 χ^2/NDF:17022850.7/37

All: 2198.667+/-0.273 χ^2/NDF: 25779367.9/7



Right In: -213.082+/-442.684 χ^2/NDF: 14.3/15

Left Out: 651.037+/-290.492 χ^2/NDF:30.3/19

Right Out: -45.539+/-447.221 χ^2/NDF: 21.7/17

Left In: -588.408+/-292.245 χ^2/NDF:14.6/18

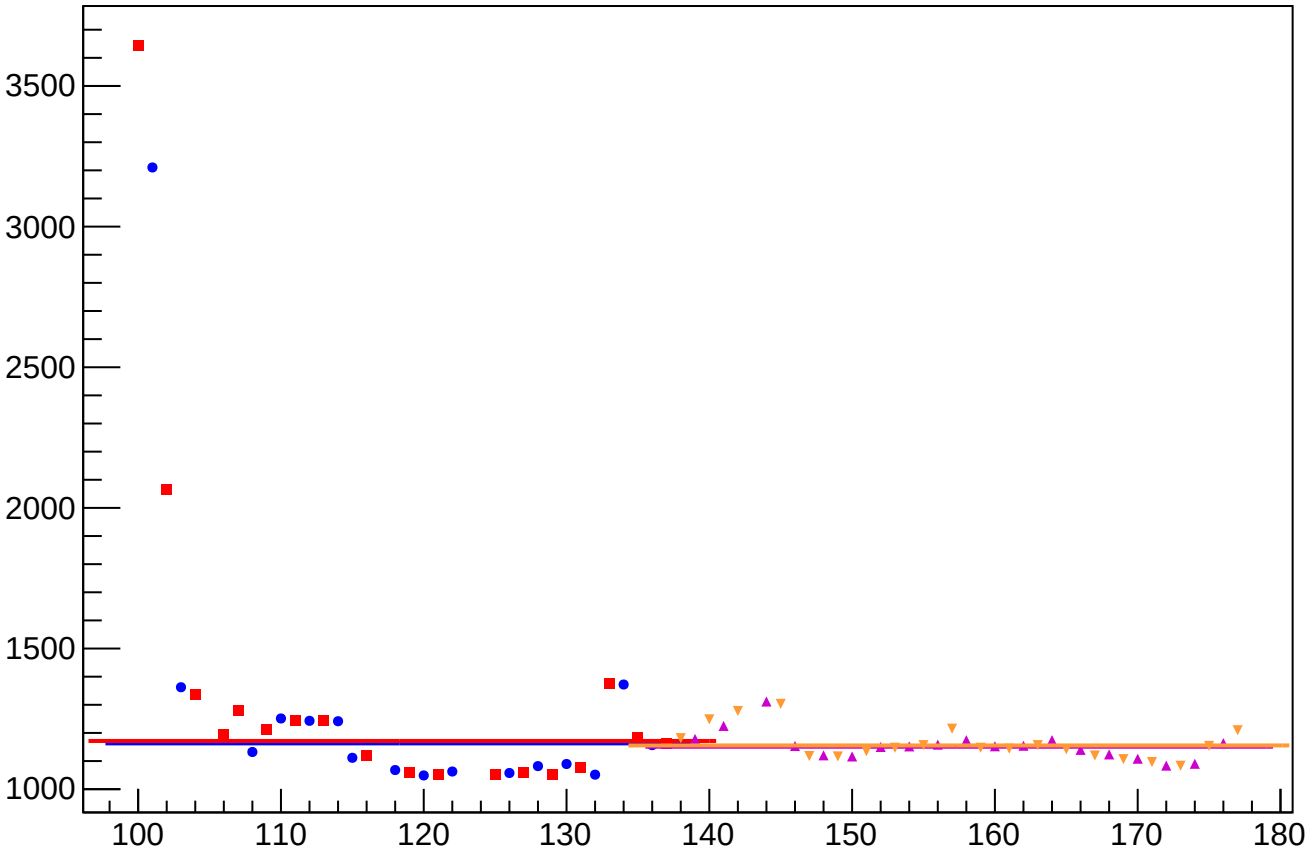
Left: 35.043+/-206.026 χ^2/NDF: 53.9/38

Right: -130.164+/-314.617 χ^2/NDF: 36.1/33

In: -474.484+/-243.892 χ^2/NDF:29.4/34

Out: 444.347+/-243.611 χ^2/NDF:53.7/37

All: -14.540+/-172.358 χ^2/NDF: 90.2/72



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.6/15

Left Out: 1155.520+/-0.205 χ^2/NDF:67593.0/19

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1150.907+/-0.207 χ^2/NDF:53797.6/18

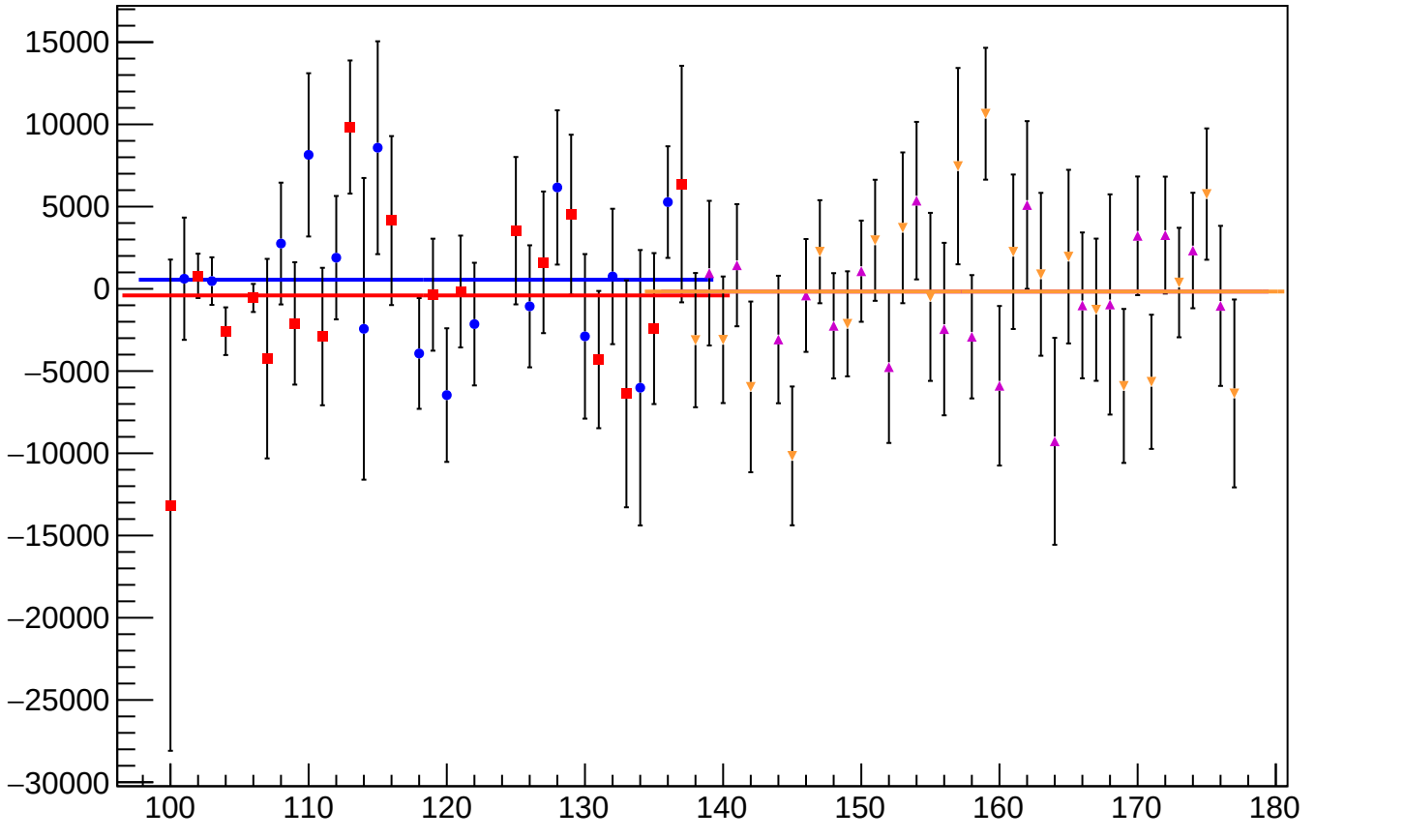
Left: 1153.228+/-0.146 χ^2/NDF: 121641.3/38

Right: 1167.094+/-0.222 χ^2/NDF: 967365.1/33

In: 1154.532+/-0.172 χ^2/NDF:690165.3/34

Out: 1160.241+/-0.172 χ^2/NDF:401012.5/37

All: 1157.391+/-0.122 χ^2/NDF: 1091726.5/72



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: -164.049+/-938.444 χ^2/NDF:26.5/19

Right Out: -400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: -165.126+/-938.355 χ^2/NDF:11.4/18

Left: -164.588+/-663.549 χ^2/NDF: 37.9/38

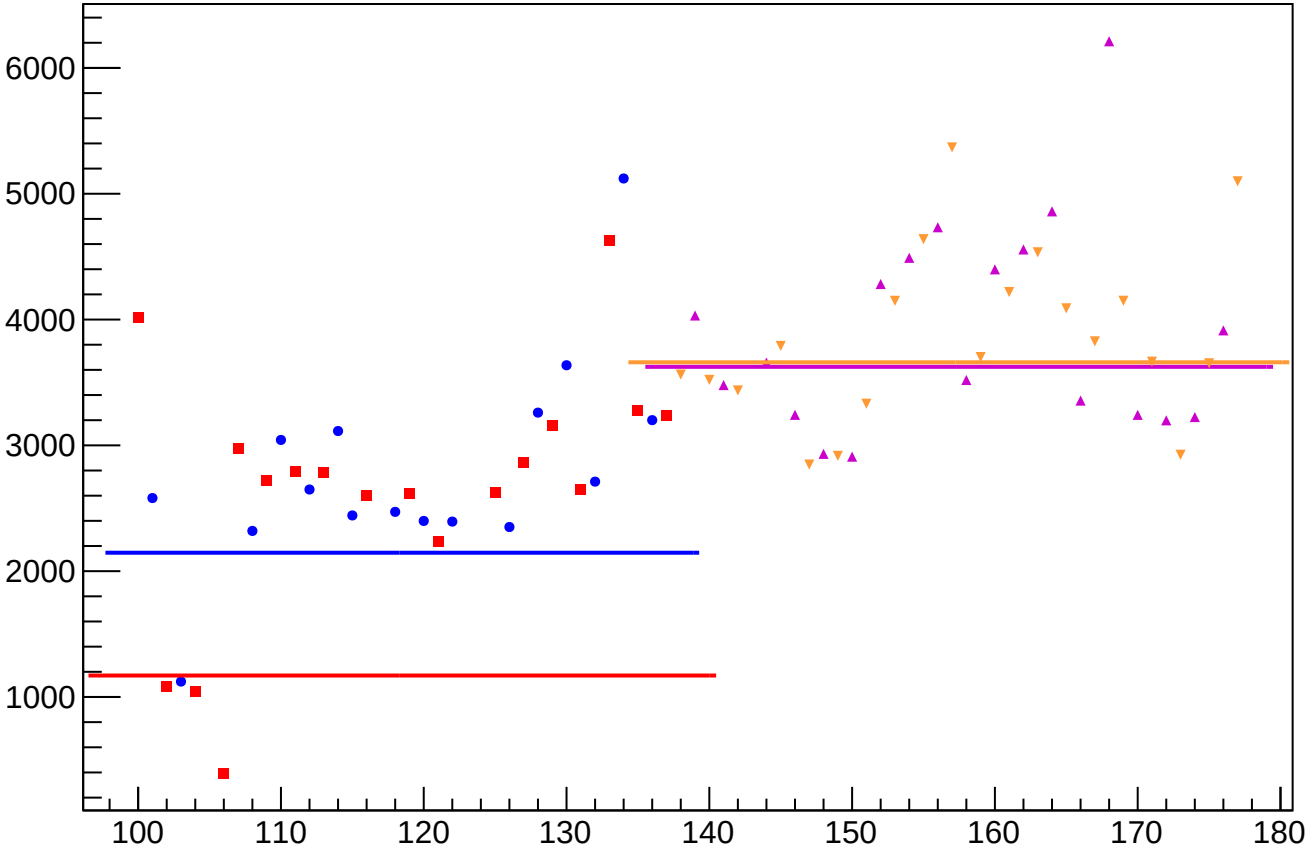
Right: -119.022+/-475.020 χ^2/NDF: 31.9/33

In: 219.091+/-639.603 χ^2/NDF:26.1/34

Out: -337.404+/-484.586 χ^2/NDF:43.2/37

All: -134.461+/-386.248 χ^2/NDF: 69.8/72

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: 3660.362+/-0.664 χ^2/NDF:881279.7/19

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

Left In: 3624.272+/-0.664 χ^2/NDF:1028692.6/18

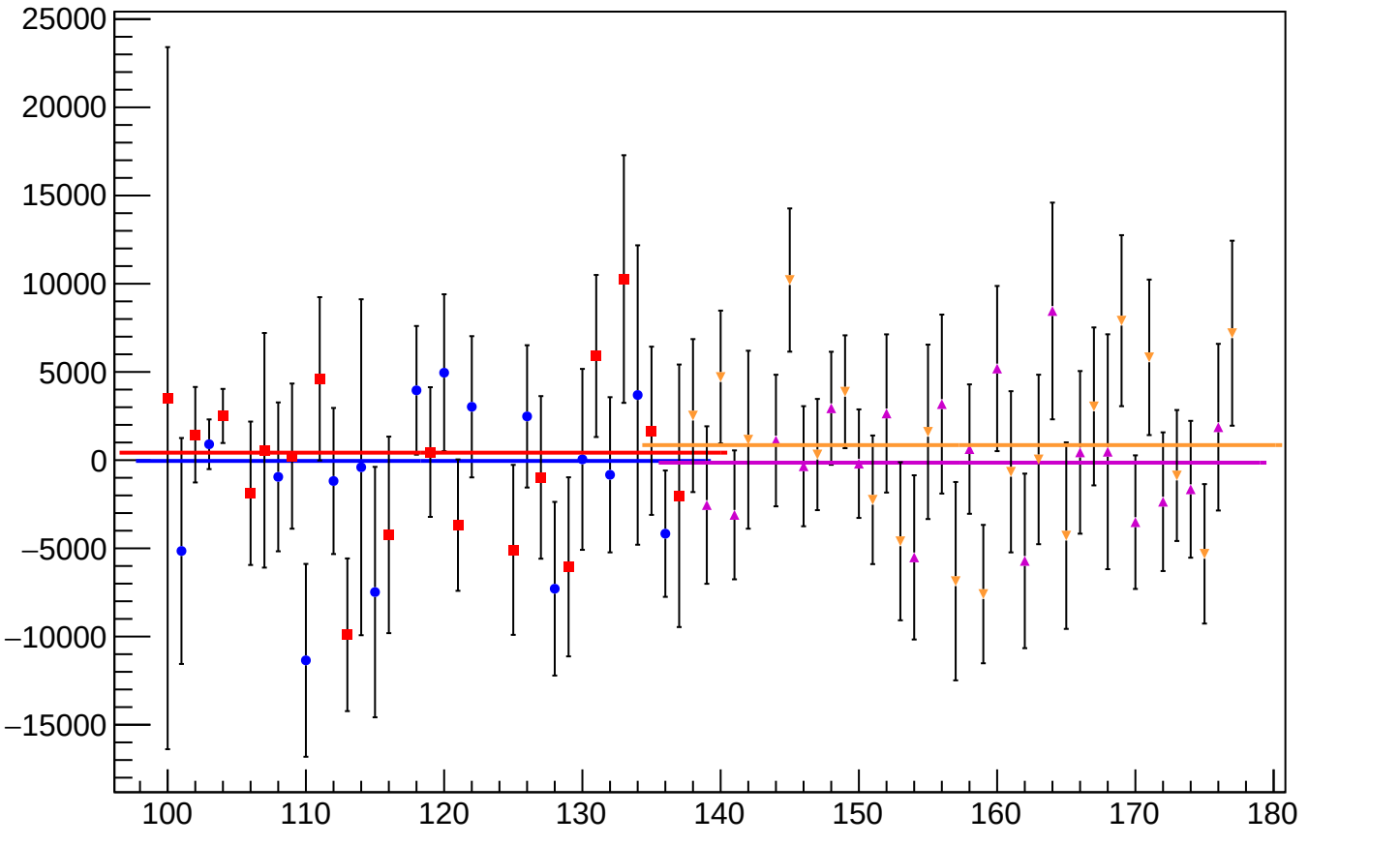
Left: 3642.315+/-0.469 χ^2/NDF: 1911451.5/38

Right: 1458.789+/-0.336 χ^2/NDF: 9549586.1/33

In: 2833.145+/-0.452 χ^2/NDF:5658727.6/34

Out: 1834.433+/-0.343 χ^2/NDF:17023258.7/37

All: 2198.644+/-0.273 χ^2/NDF: 25779990.0/7



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

Left Out: 853.436+/-941.362 χ^2/NDF:25.0/19

Right Out: 423.476+/-896.736 χ^2/NDF: 17.3/17

Left In: -143.379+/-943.330 χ^2/NDF:10.2/18

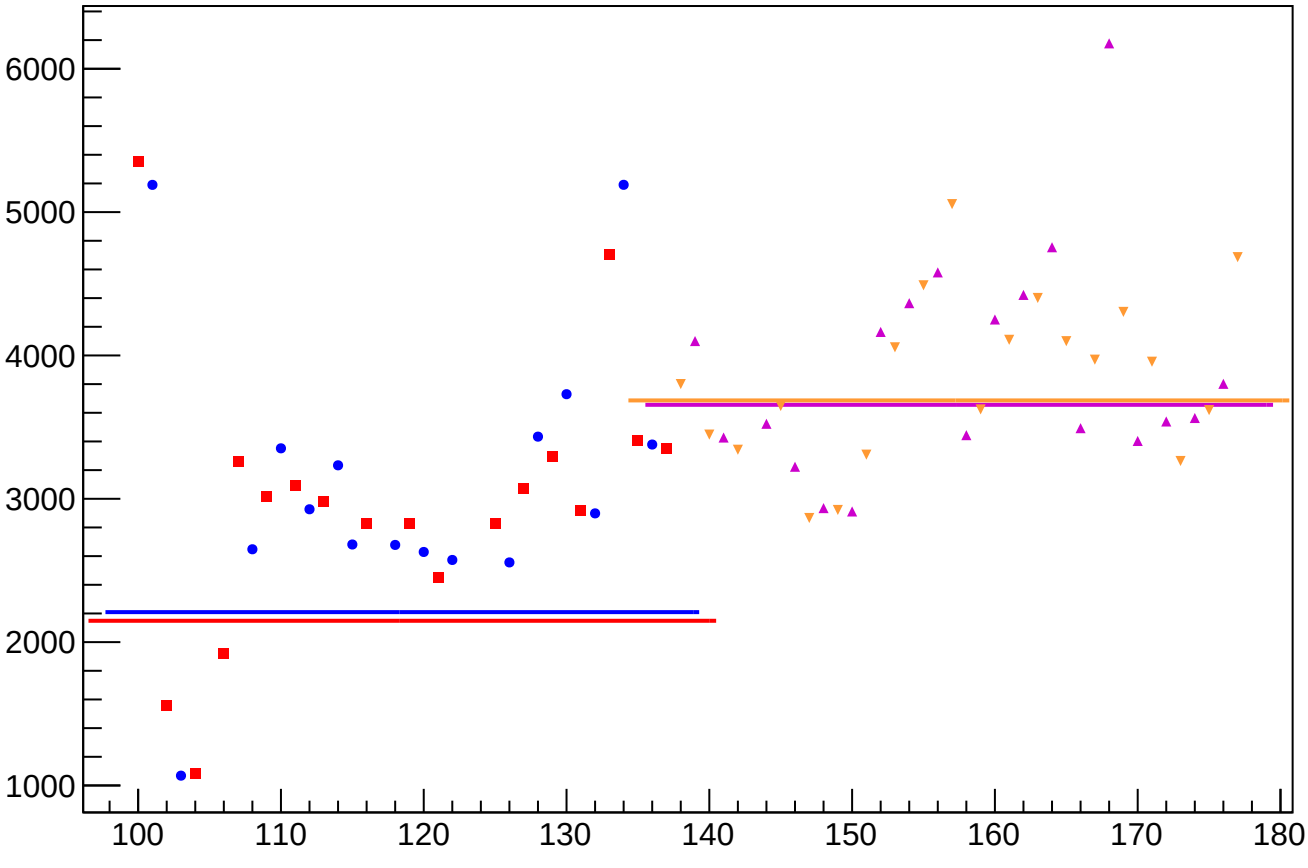
Left: 356.069+/-666.338 χ^2/NDF: 35.7/38

Right: 195.485+/-642.405 χ^2/NDF: 31.2/33

In: -92.933+/-658.902 χ^2/NDF:23.9/34

Out: 628.023+/-649.291 χ^2/NDF:42.5/37

All: 272.841+/-462.479 χ^2/NDF: 67.0/72



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3686.275+/-0.666 χ^2/NDF:696384.0/19

Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3655.687+/-0.667 χ^2/NDF:873273.0/18

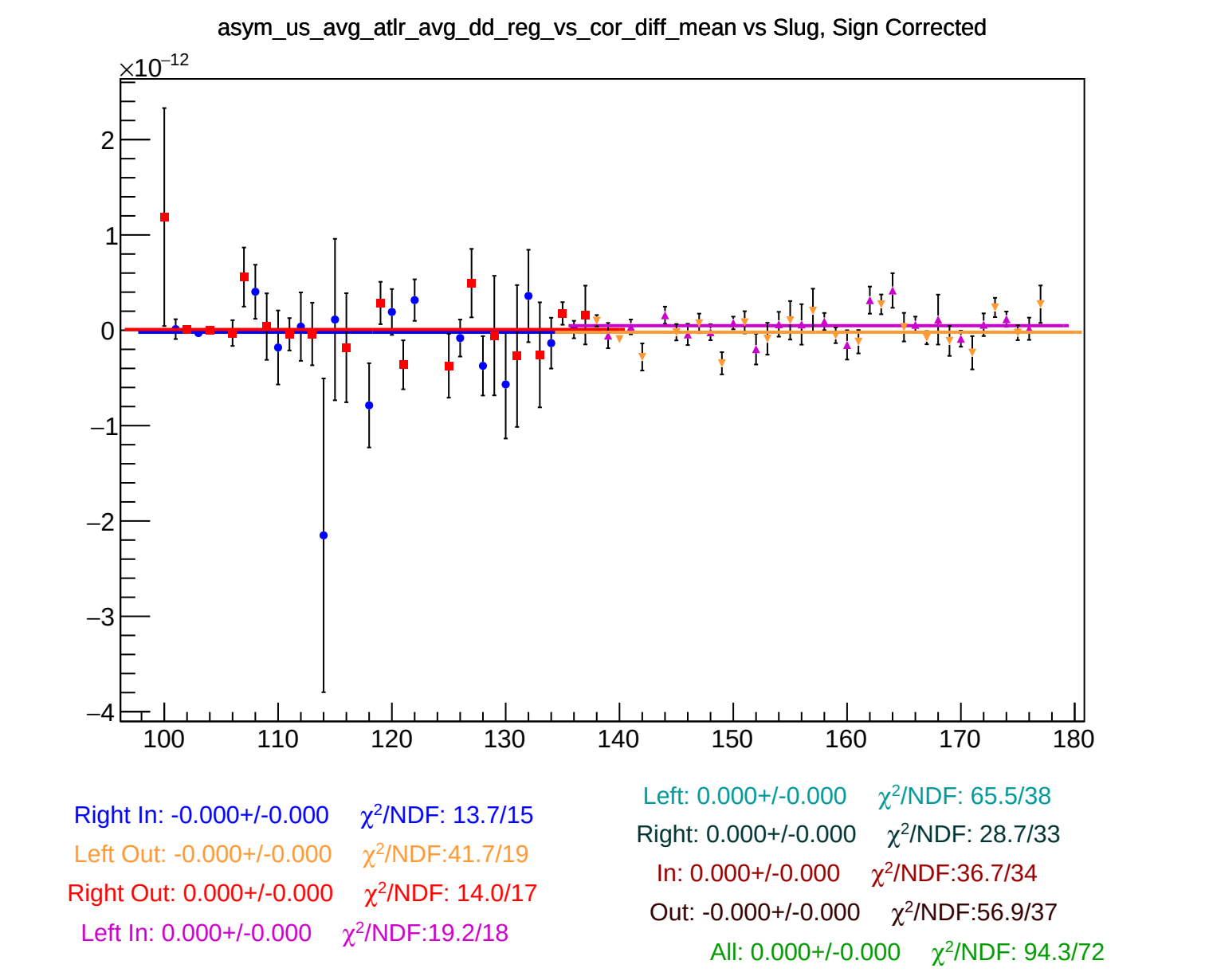
Left: 3671.013+/-0.471 χ^2/NDF: 1570710.6/38

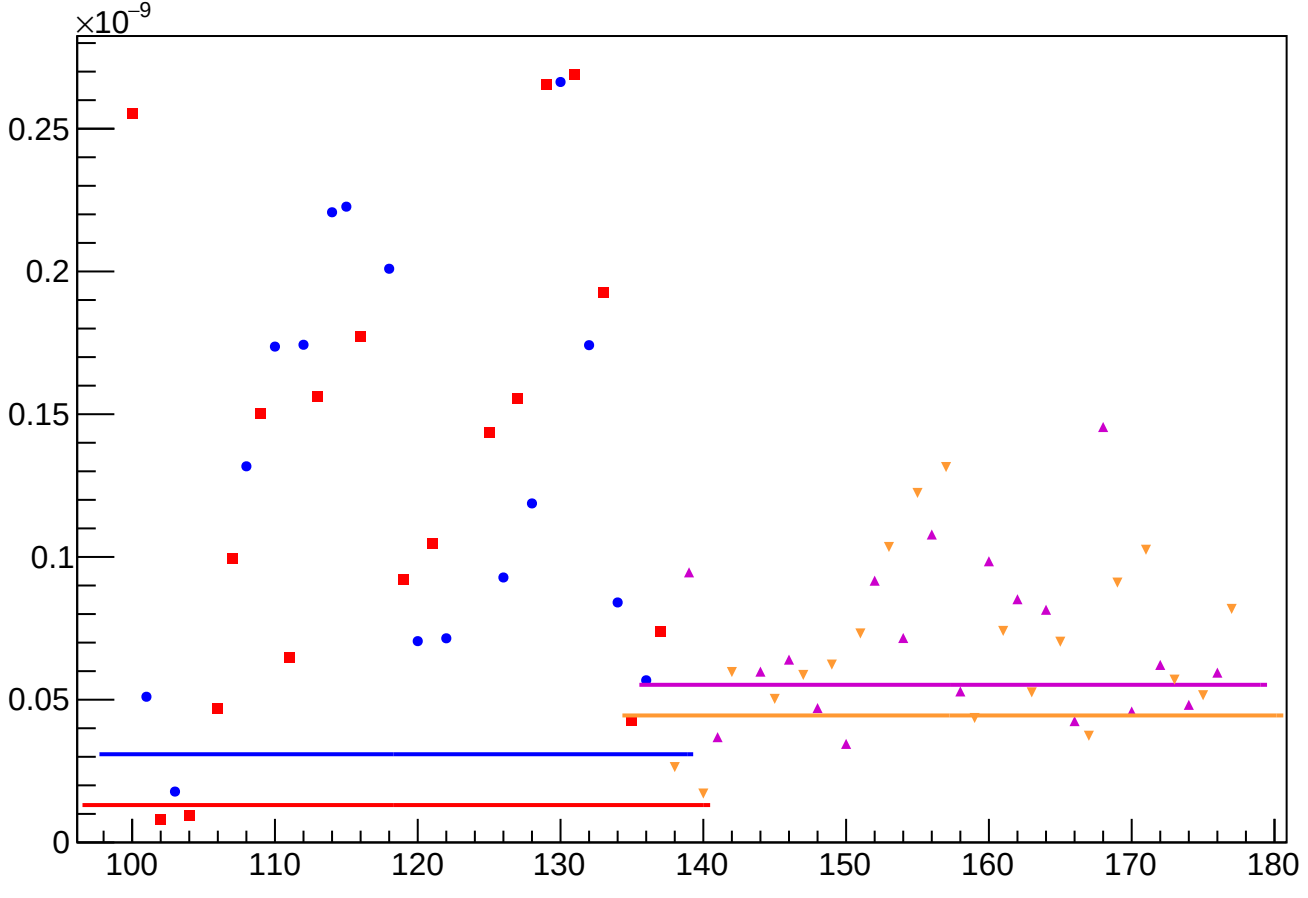
Right: 2178.279+/-0.454 χ^2/NDF: 5110964.0/33

In: 2914.987+/-0.466 χ^2/NDF:6117913.0/34

Out: 2878.473+/-0.459 χ^2/NDF:5768816.7/37

All: 2896.439+/-0.327 χ^2/NDF: 11889849.7/7


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: -0.000+/-0.000 χ²/NDF:41.7/19
Right Out: 0.000+/-0.000 χ²/NDF: 14.0/17
Left In: 0.000+/-0.000 χ²/NDF:19.2/18
Left: 0.000+/-0.000 χ²/NDF: 65.5/38
Right: 0.000+/-0.000 χ²/NDF: 28.7/33
In: 0.000+/-0.000 χ²/NDF:36.7/34
Out: -0.000+/-0.000 χ²/NDF:56.9/37
All: 0.000+/-0.000 χ²/NDF: 94.3/72



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2870186.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1397087.9/18

Left: 0.000+/-0.000 χ^2/NDF: 4496733.8/38

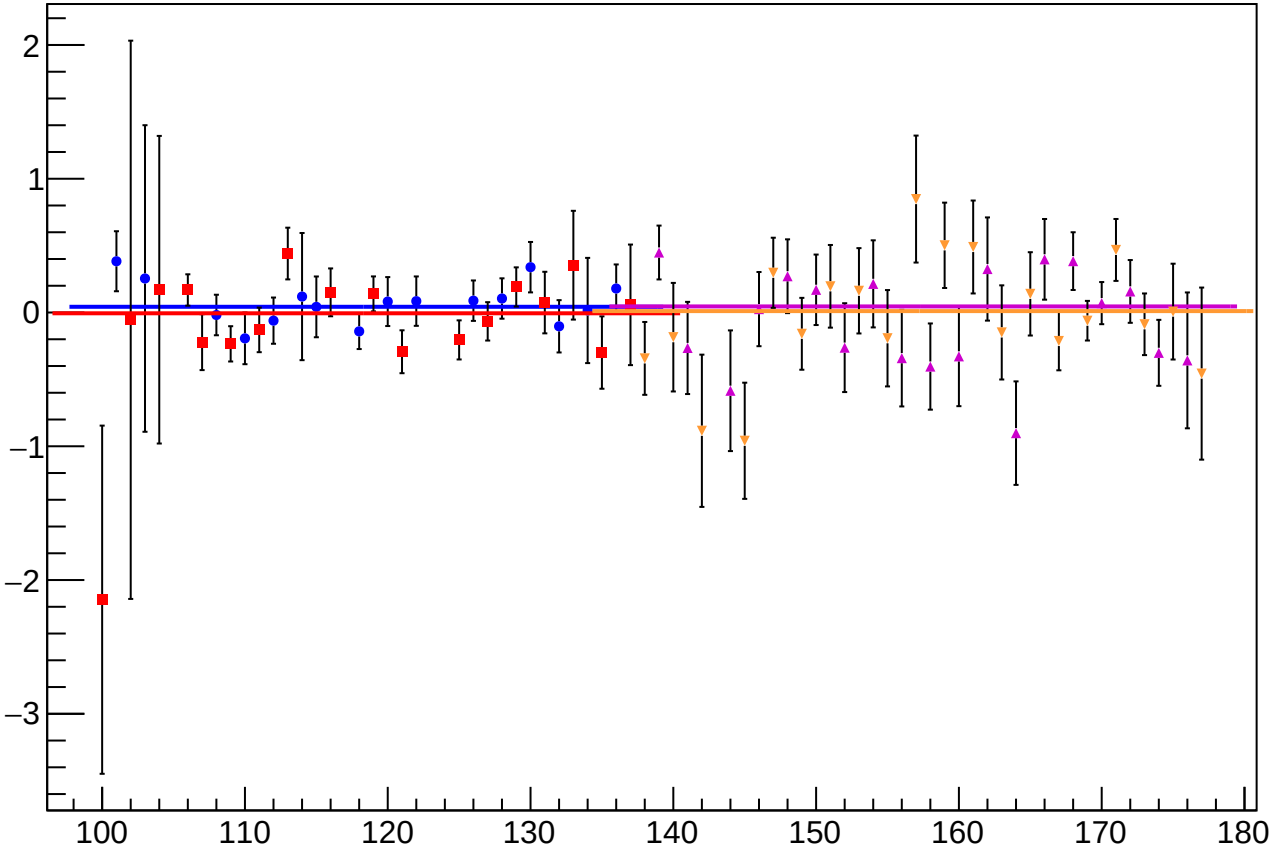
Right: 0.000+/-0.000 χ^2/NDF: 7385142.0/33

In: 0.000+/-0.000 χ^2/NDF:5364952.5/34

Out: 0.000+/-0.000 χ^2/NDF:9535410.5/37

All: 0.000+/-0.000 χ^2/NDF: 16700297.1/72

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: 0.010+/-0.065 χ^2/NDF:25.5/19

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.045+/-0.064 χ^2/NDF:26.1/18

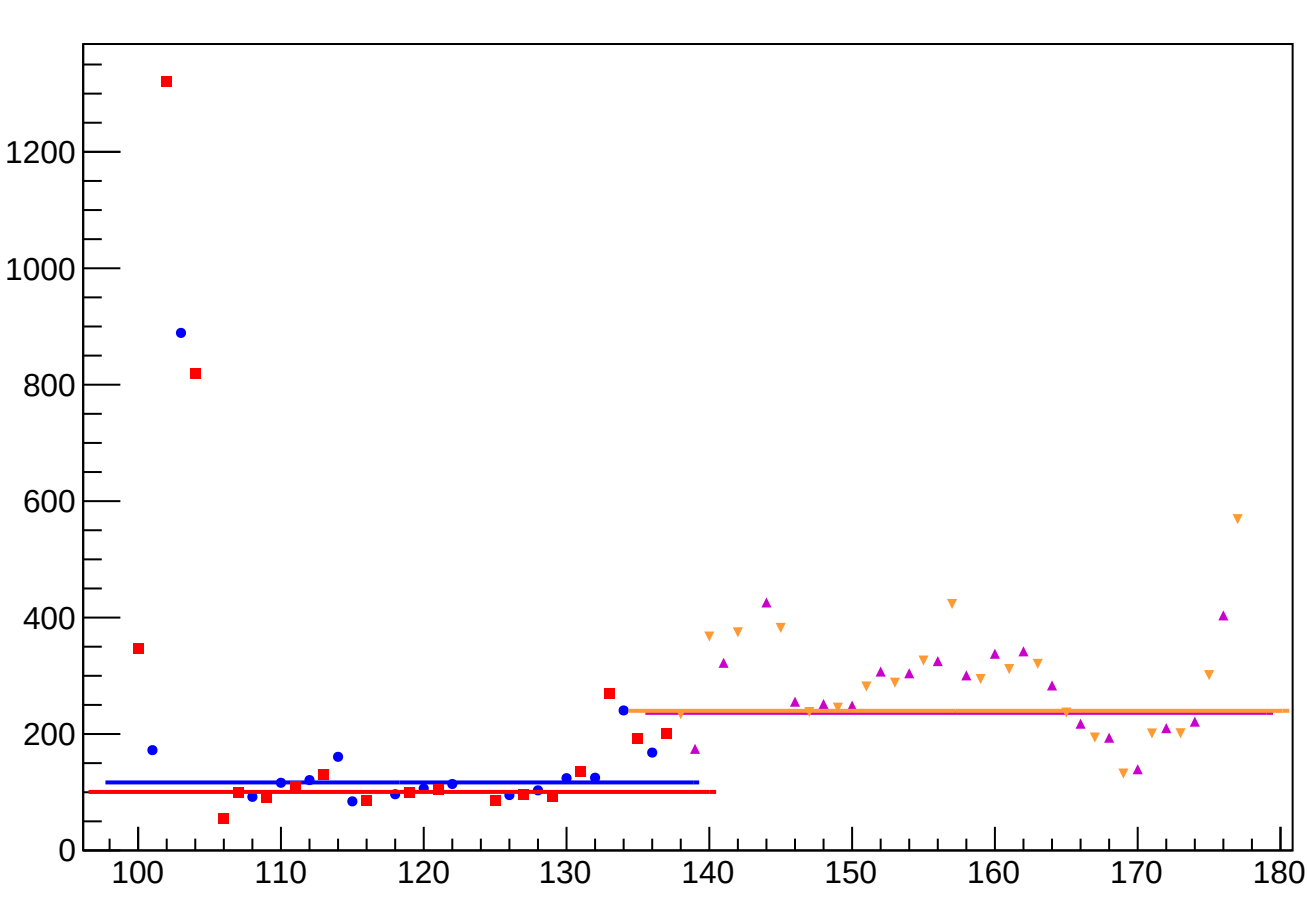
Left: 0.028+/-0.045 χ^2/NDF: 51.8/38

Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.044+/-0.038 χ^2/NDF:36.4/34

Out: -0.001+/-0.036 χ^2/NDF:51.6/37

All: 0.020+/-0.026 χ^2/NDF: 88.7/72



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 239.864+/-0.046 χ^2/NDF:3113256.2/19

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 236.366+/-0.045 χ^2/NDF:2487105.8/18

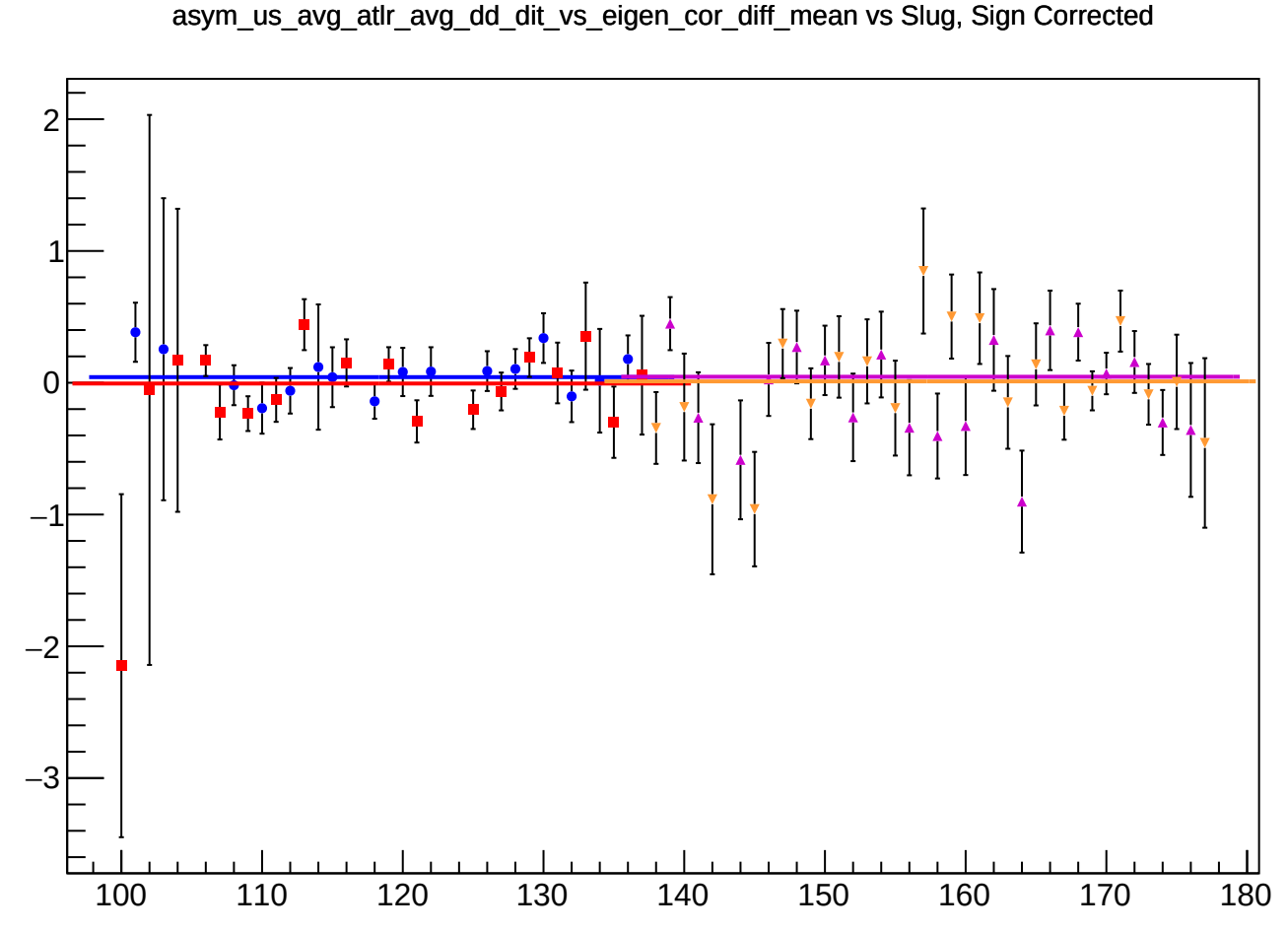
Left: 238.090+/-0.032 χ^2/NDF: 5603332.2/38

Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 159.496+/-0.027 χ^2/NDF:8633737.3/34

Out: 143.813+/-0.025 χ^2/NDF:12184026.1/37

All: 151.222+/-0.019 χ^2/NDF: 20996860.1/72



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: 0.010+/-0.065 χ^2/NDF:25.5/19

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.045+/-0.064 χ^2/NDF:26.1/18

Left: 0.028+/-0.045 χ^2/NDF: 51.8/38

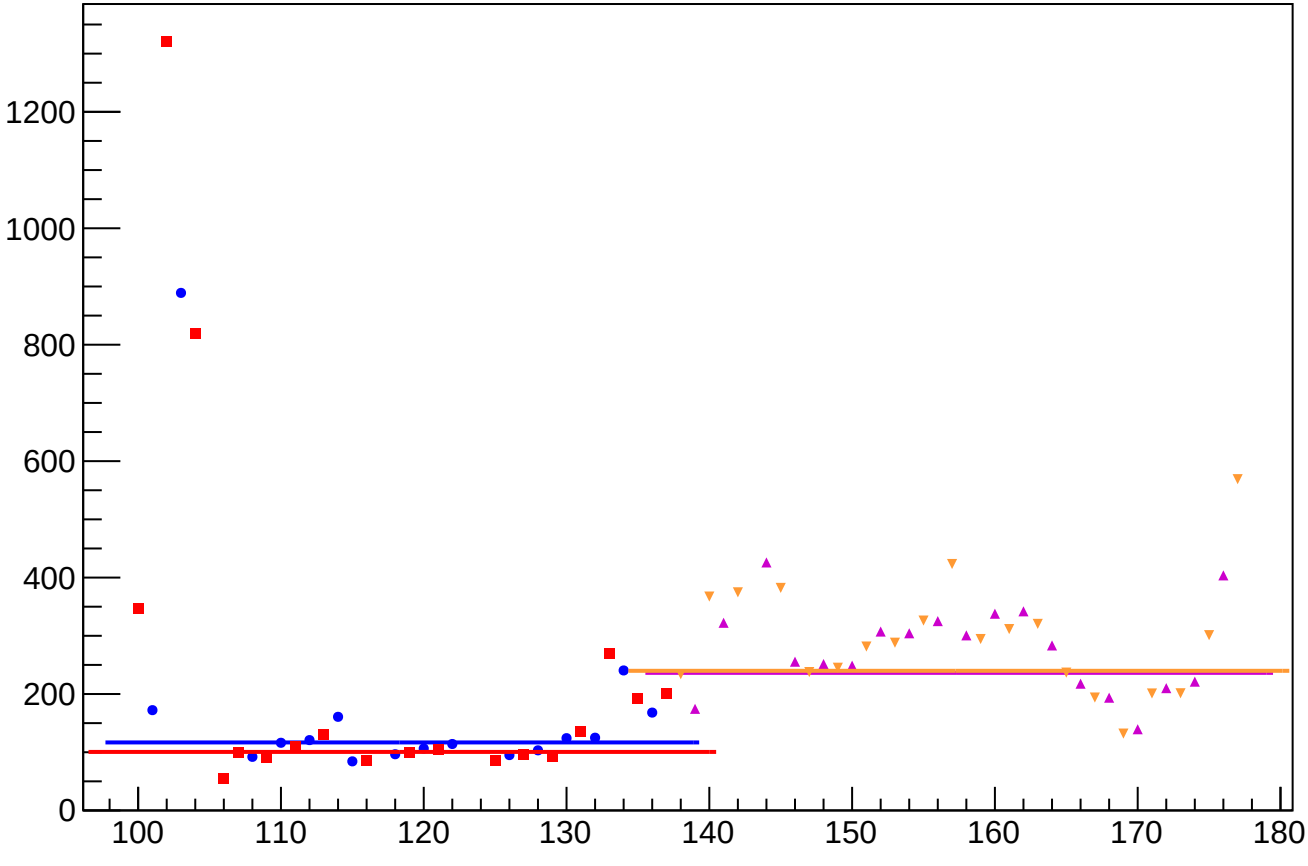
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.044+/-0.038 χ^2/NDF:36.4/34

Out: -0.001+/-0.036 χ^2/NDF:51.6/37

All: 0.020+/-0.026 χ^2/NDF: 88.7/72

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 239.864+/-0.046 χ^2/NDF:3113256.2/19

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 236.366+/-0.045 χ^2/NDF:2487105.8/18

Left: 238.090+/-0.032 χ^2/NDF: 5603332.2/38

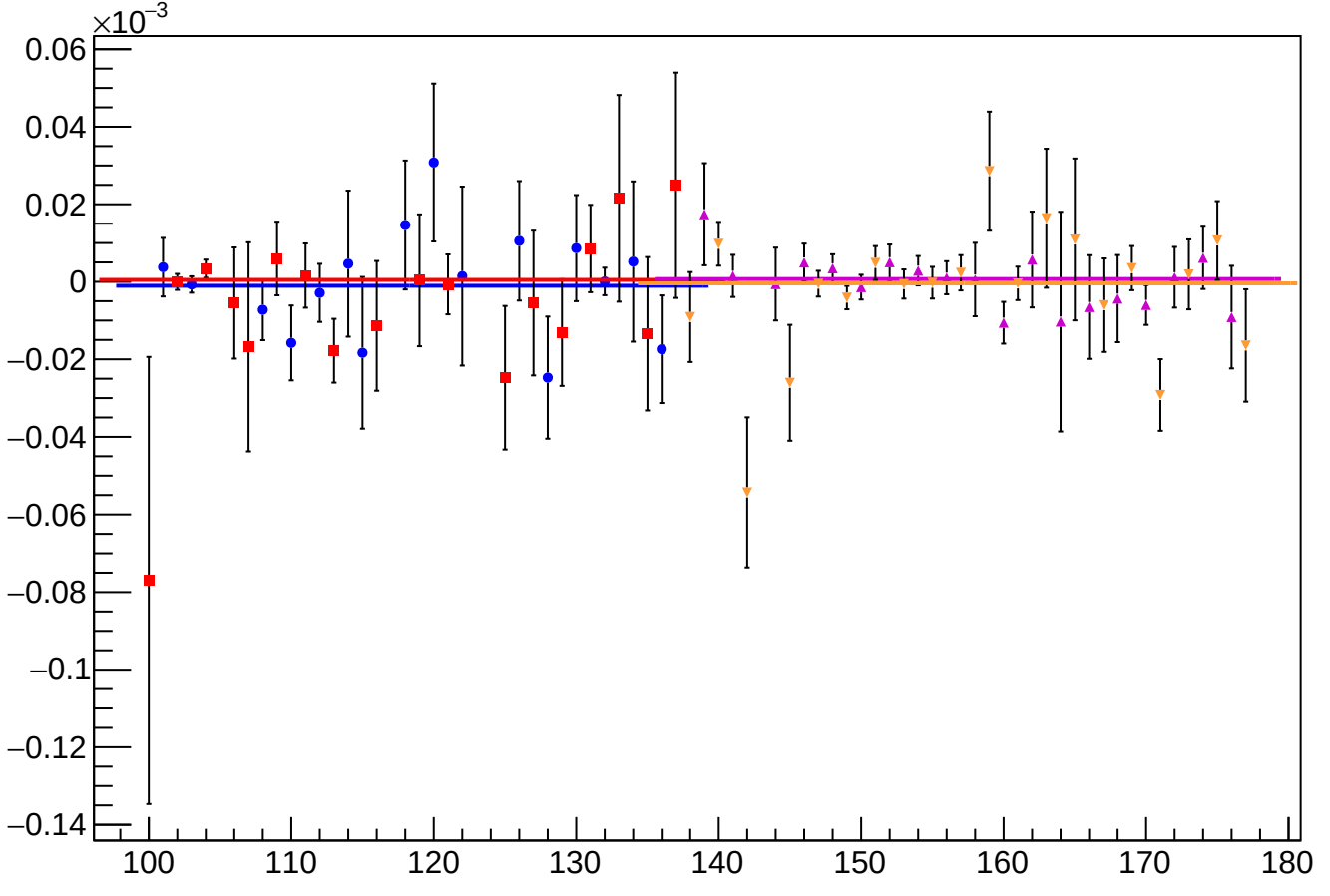
Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 159.496+/-0.027 χ^2/NDF:8633737.3/34

Out: 143.813+/-0.025 χ^2/NDF:12184026.1/37

All: 151.222+/-0.019 χ^2/NDF: 20996860.1/72

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:35.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: 0.000+/-0.000 χ^2/NDF:12.5/18

Left: 0.000+/-0.000 χ^2/NDF: 48.4/38

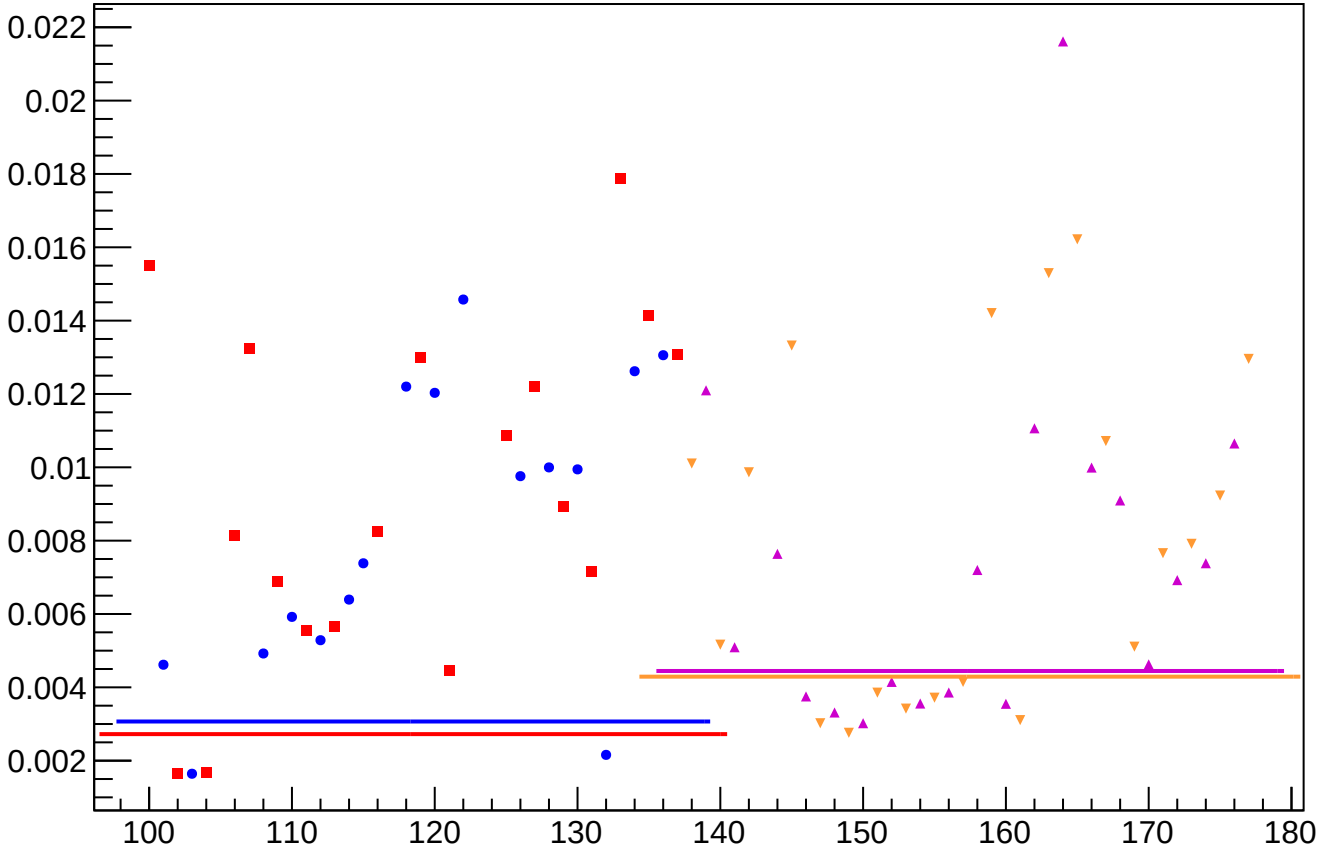
Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: 0.000+/-0.000 χ^2/NDF:25.8/34

Out: 0.000+/-0.000 χ^2/NDF:50.8/37

All: 0.000+/-0.000 χ^2/NDF: 76.6/72

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 5964299.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:7196867.1/19

Right Out: 0.003+/-0.000 χ^2/NDF: 6713699.1/17

Left In: 0.004+/-0.000 χ^2/NDF:4851265.8/18

Left: 0.004+/-0.000 χ^2/NDF: 12062469.0/38

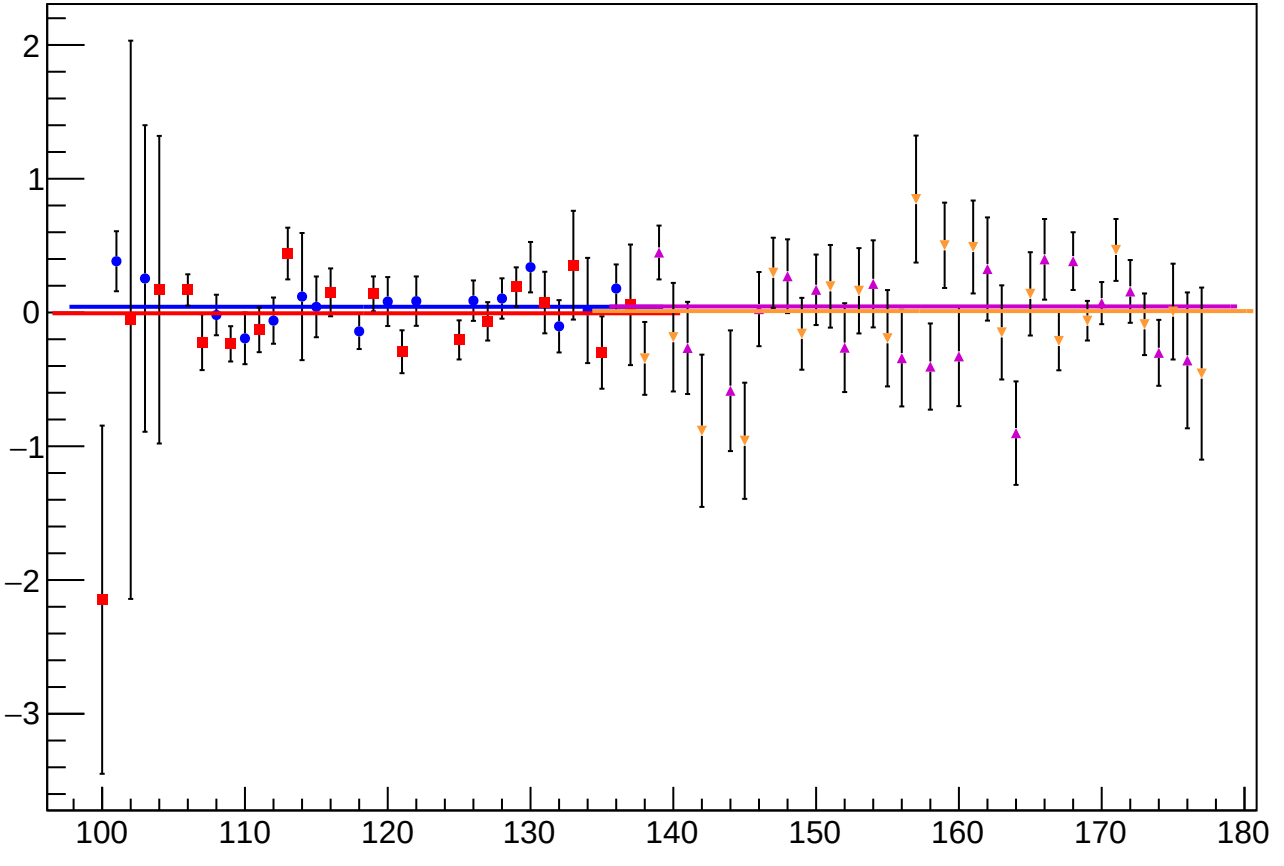
Right: 0.003+/-0.000 χ^2/NDF: 12731216.4/33

In: 0.004+/-0.000 χ^2/NDF:11714900.8/34

Out: 0.004+/-0.000 χ^2/NDF:15286007.3/37

All: 0.004+/-0.000 χ^2/NDF: 27098281.7/72

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+/-0.065 χ^2/NDF:25.5/19

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.045+/-0.064 χ^2/NDF:26.1/18

Left: 0.028+/-0.045 χ^2/NDF: 51.8/38

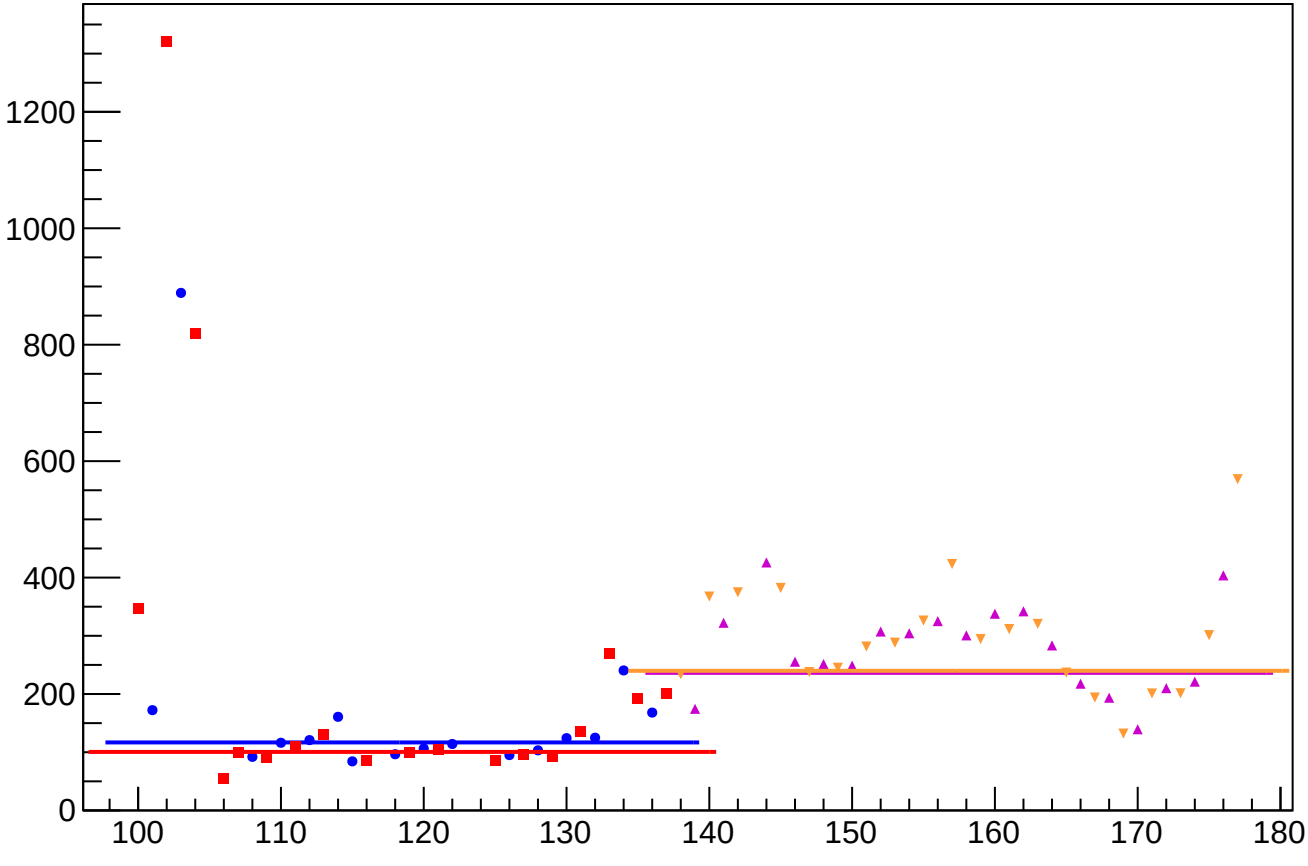
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.044+/-0.038 χ^2/NDF:36.4/34

Out: -0.001+/-0.036 χ^2/NDF:51.6/37

All: 0.020+/-0.026 χ^2/NDF: 88.7/72

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: 239.864+/-0.046 χ^2/NDF:3113381.2/19

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 236.368+/-0.045 χ^2/NDF:2487143.1/18

Left: 238.091+/-0.032 χ^2/NDF: 5603492.3/38

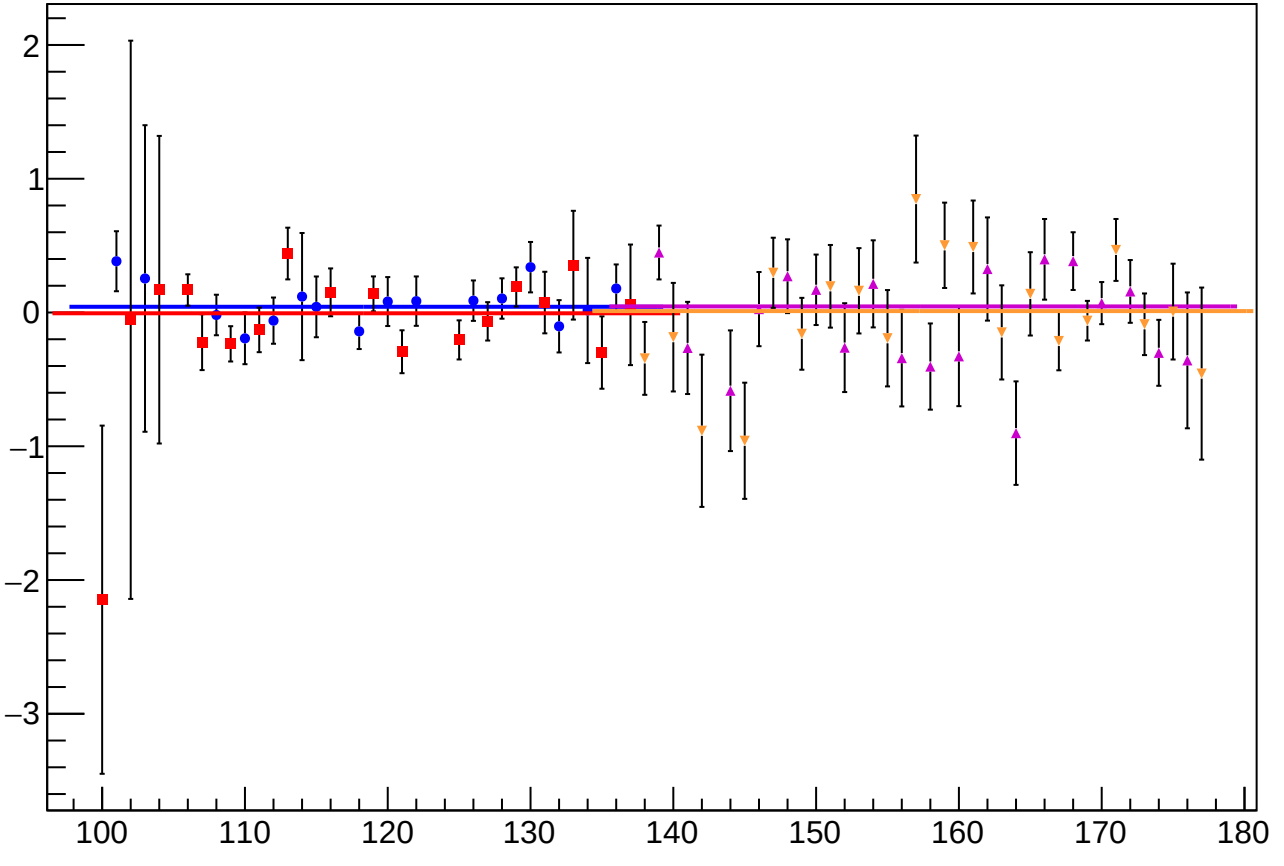
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 159.496+/-0.027 χ^2/NDF:8633855.5/34

Out: 143.812+/-0.025 χ^2/NDF:12184331.9/37

All: 151.221+/-0.019 χ^2/NDF: 20997310.9/72

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+/-0.065 χ^2/NDF:25.5/19

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.045+/-0.064 χ^2/NDF:26.1/18

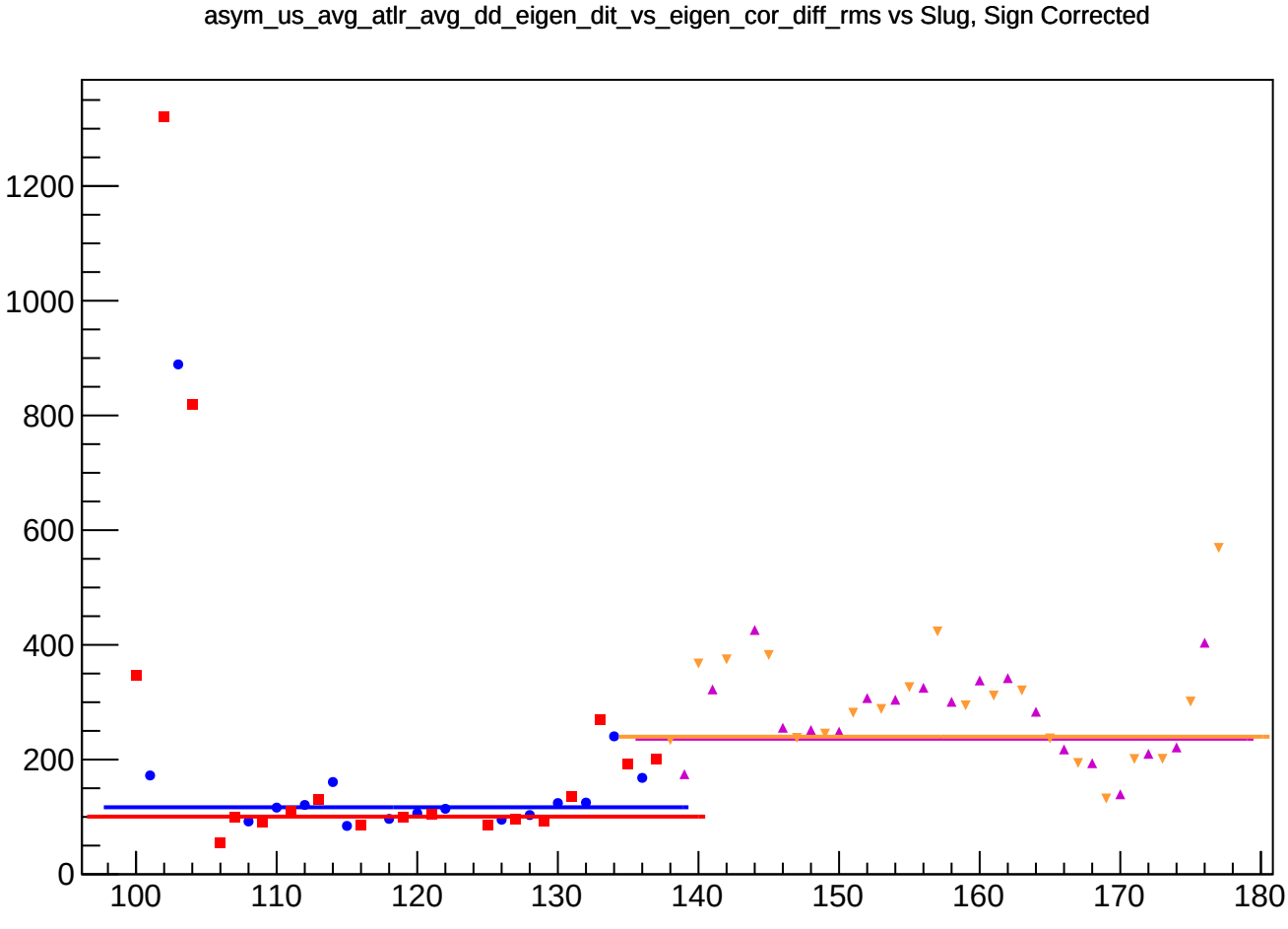
Left: 0.028+/-0.045 χ^2/NDF: 51.8/38

Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.044+/-0.038 χ^2/NDF:36.4/34

Out: -0.001+/-0.036 χ^2/NDF:51.6/37

All: 0.020+/-0.026 χ^2/NDF: 88.7/72



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 239.864+/-0.046 χ^2/NDF:3113381.2/19

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 236.368+/-0.045 χ^2/NDF:2487143.1/18

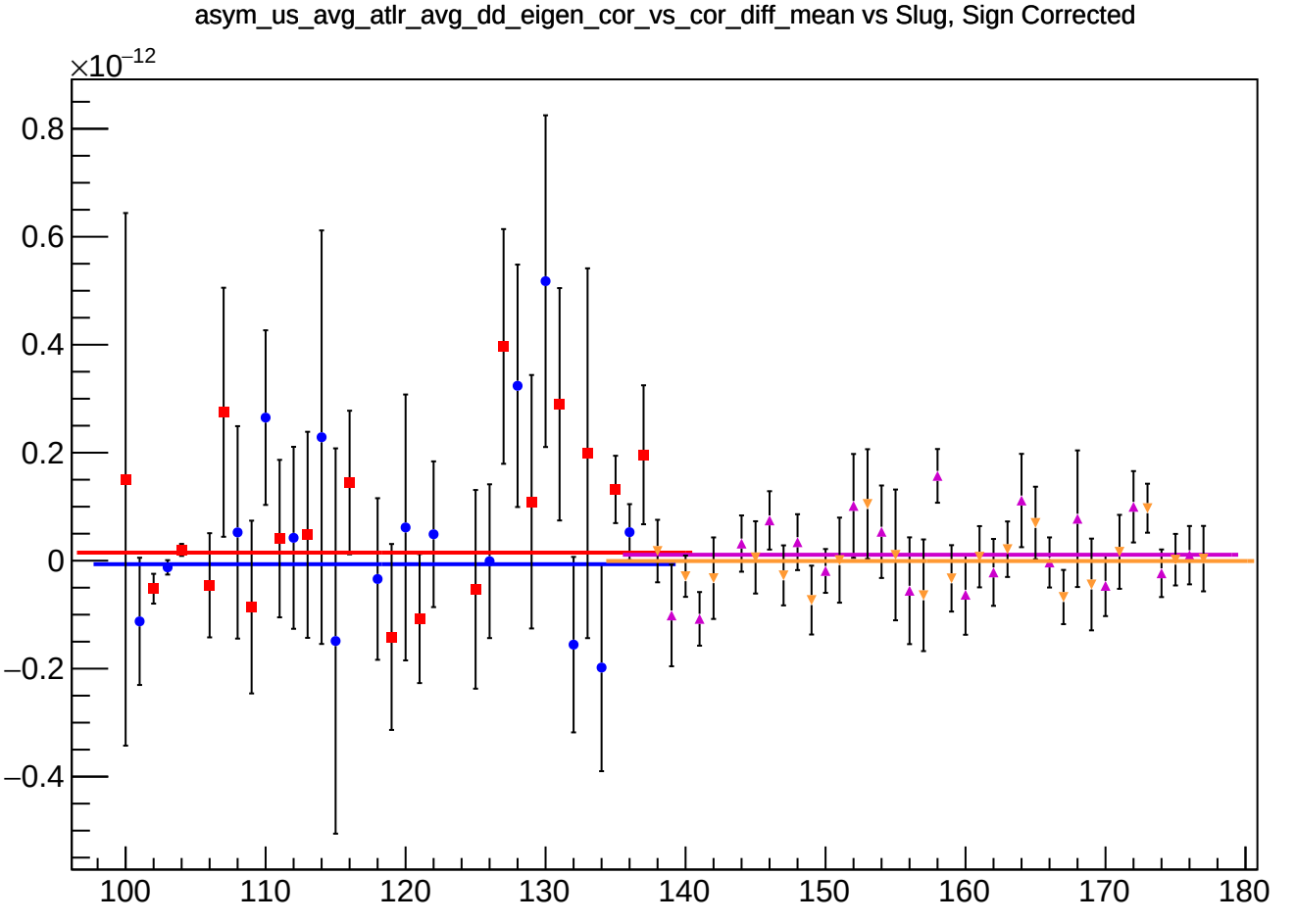
Left: 238.091+/-0.032 χ^2/NDF: 5603492.3/38

Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 159.496+/-0.027 χ^2/NDF:8633855.5/34

Out: 143.812+/-0.025 χ^2/NDF:12184331.9/37

All: 151.221+/-0.019 χ^2/NDF: 20997310.9/72



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/17

Left In: 0.000+/-0.000 χ^2/NDF:26.1/18

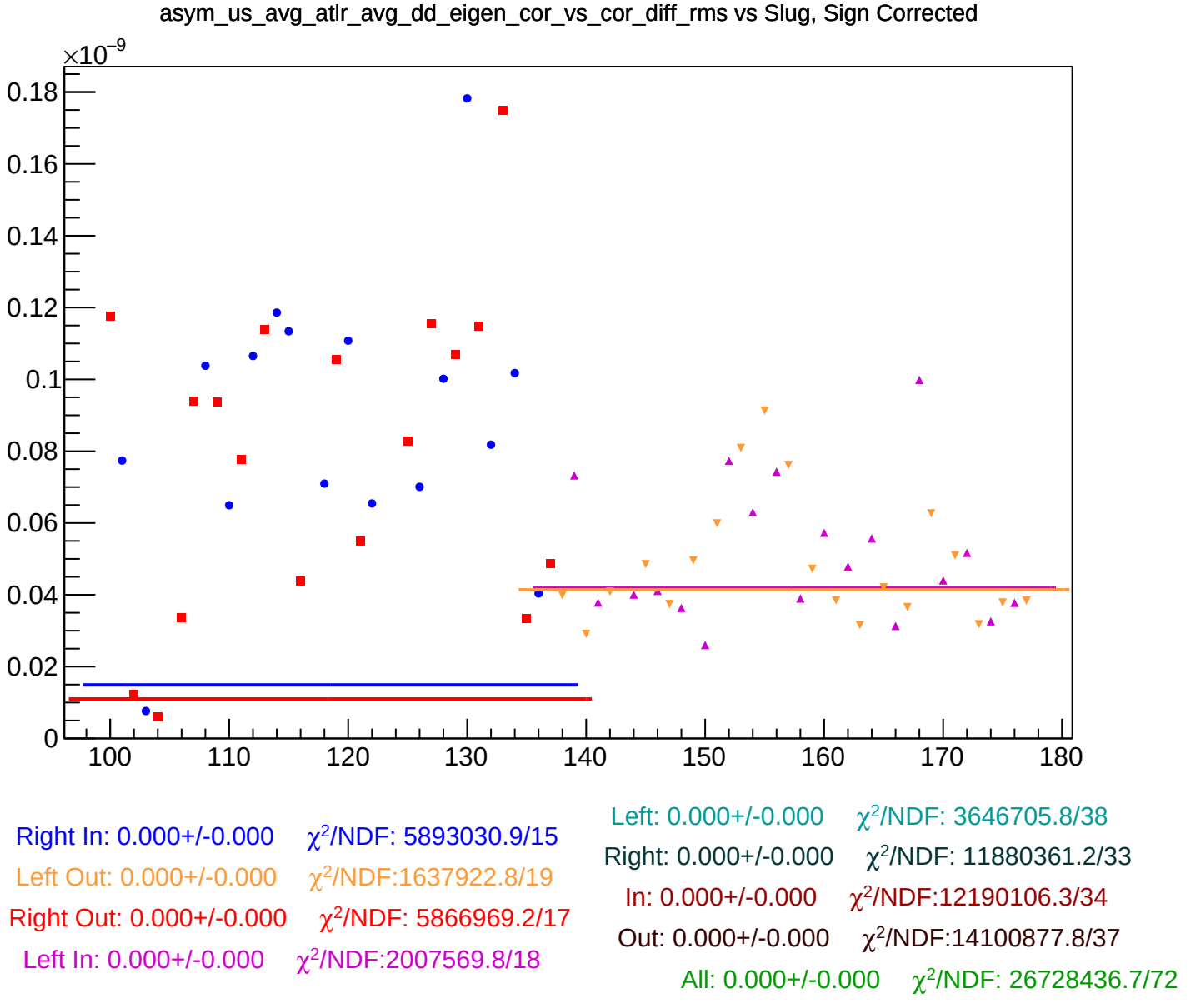
Left: 0.000+/-0.000 χ^2/NDF: 38.6/38

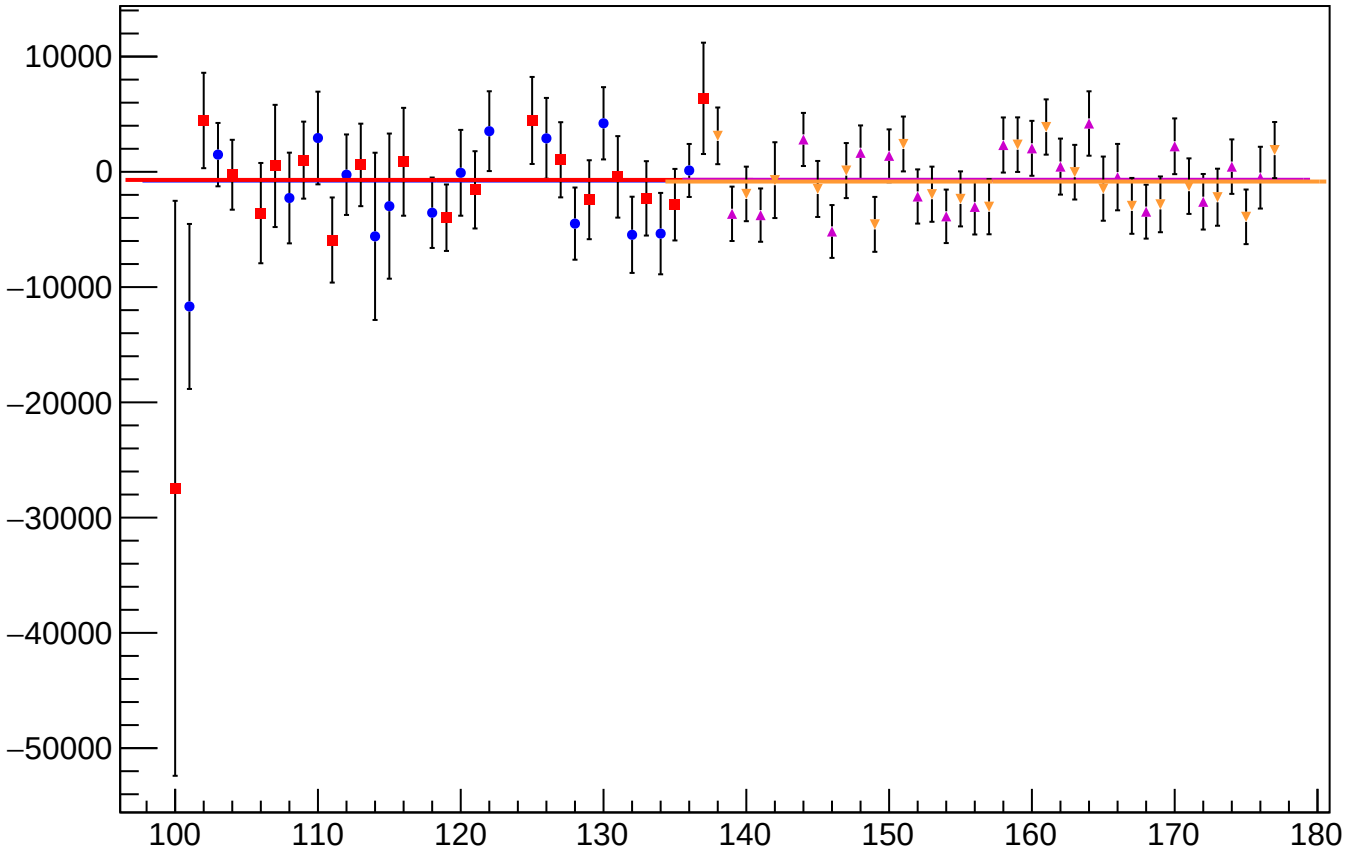
Right: 0.000+/-0.000 χ^2/NDF: 36.7/33

In: 0.000+/-0.000 χ^2/NDF:40.0/34

Out: 0.000+/-0.000 χ^2/NDF:34.9/37

All: 0.000+/-0.000 χ^2/NDF: 75.4/72


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 5893030.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1637922.8/19
Right Out: 0.000+/-0.000 χ²/NDF: 5866969.2/17
Left In: 0.000+/-0.000 χ²/NDF:2007569.8/18
Left: 0.000+/-0.000 χ²/NDF: 3646705.8/38
Right: 0.000+/-0.000 χ²/NDF: 11880361.2/33
In: 0.000+/-0.000 χ²/NDF:12190106.3/34
Out: 0.000+/-0.000 χ²/NDF:14100877.8/37
All: 0.000+/-0.000 χ²/NDF: 26728436.7/72



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -842.695+/-547.038 χ^2/NDF:19.4/19

Right Out: -702.198+/-868.647 χ^2/NDF: 12.4/17

Left In: -689.947+/-553.313 χ^2/NDF:24.3/18

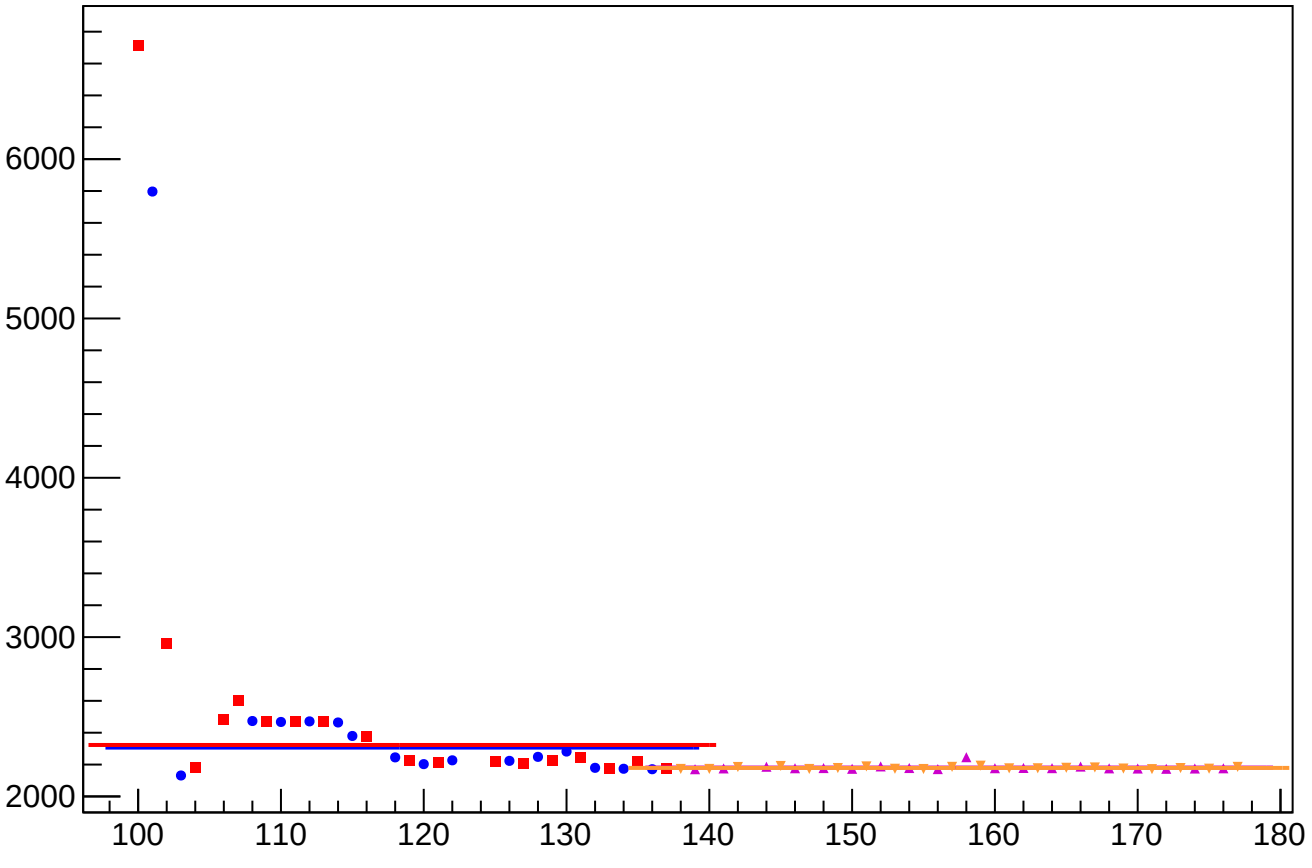
Left: -767.192+/-389.014 χ^2/NDF: 43.7/38

Right: -728.125+/-615.637 χ^2/NDF: 28.2/33

In: -708.398+/-467.296 χ^2/NDF:40.2/34

Out: -802.798+/-462.894 χ^2/NDF:31.7/37

All: -756.044+/-328.861 χ^2/NDF: 72.0/72



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2179.030+/-0.387 χ^2/NDF:296.6/19

Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2181.319+/-0.391 χ^2/NDF:1705.7/18

Left: 2180.161+/-0.275 χ^2/NDF: 2019.6/38

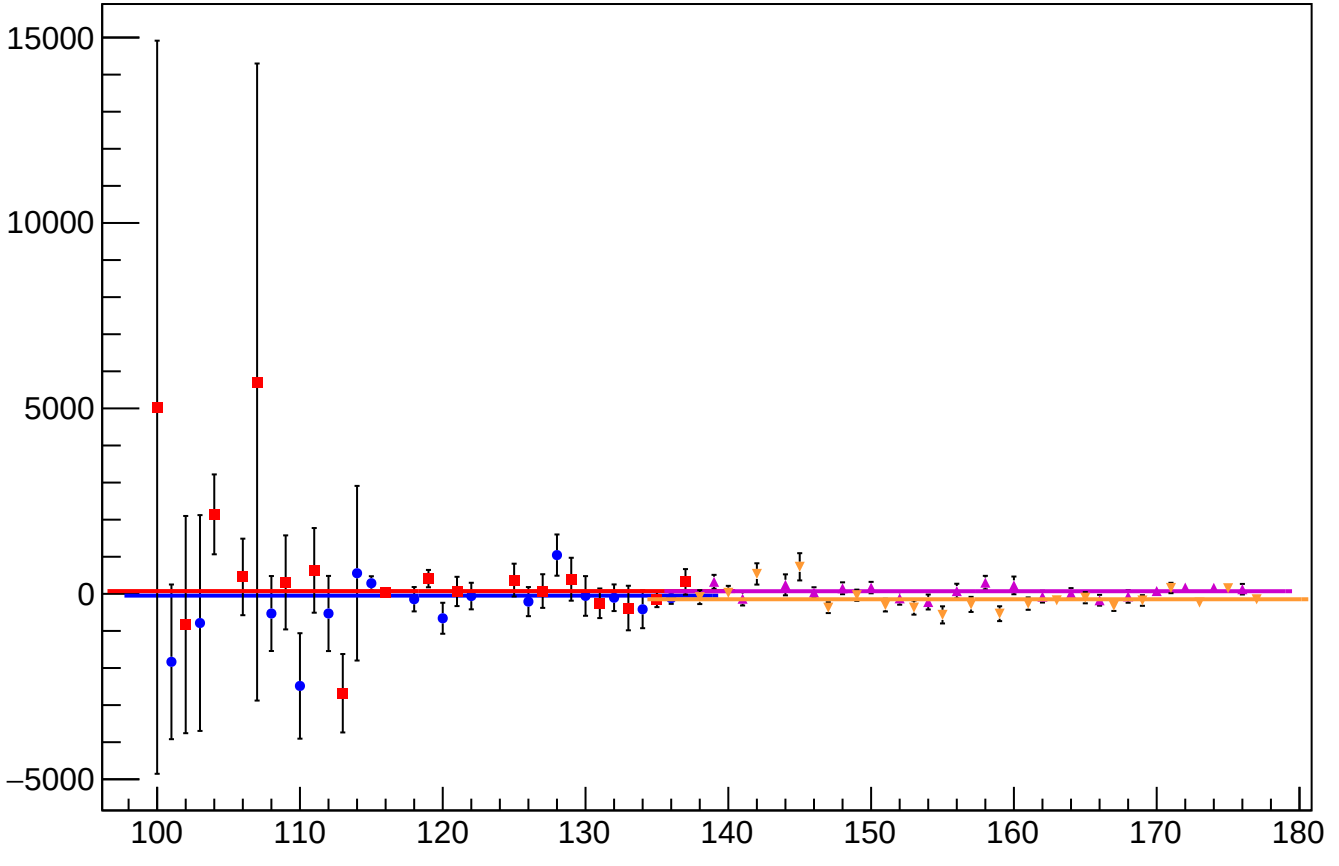
Right: 2314.864+/-0.435 χ^2/NDF: 666290.7/33

In: 2217.255+/-0.330 χ^2/NDF:545277.4/34

Out: 2219.917+/-0.327 χ^2/NDF:191427.7/37

All: 2218.599+/-0.233 χ^2/NDF: 736737.8/72

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: -146.080+/-35.445 χ^2/NDF:39.4/19

Right Out: 74.200+/-82.384 χ^2/NDF: 17.6/17

Left In: 70.556+/-35.742 χ^2/NDF:15.7/18

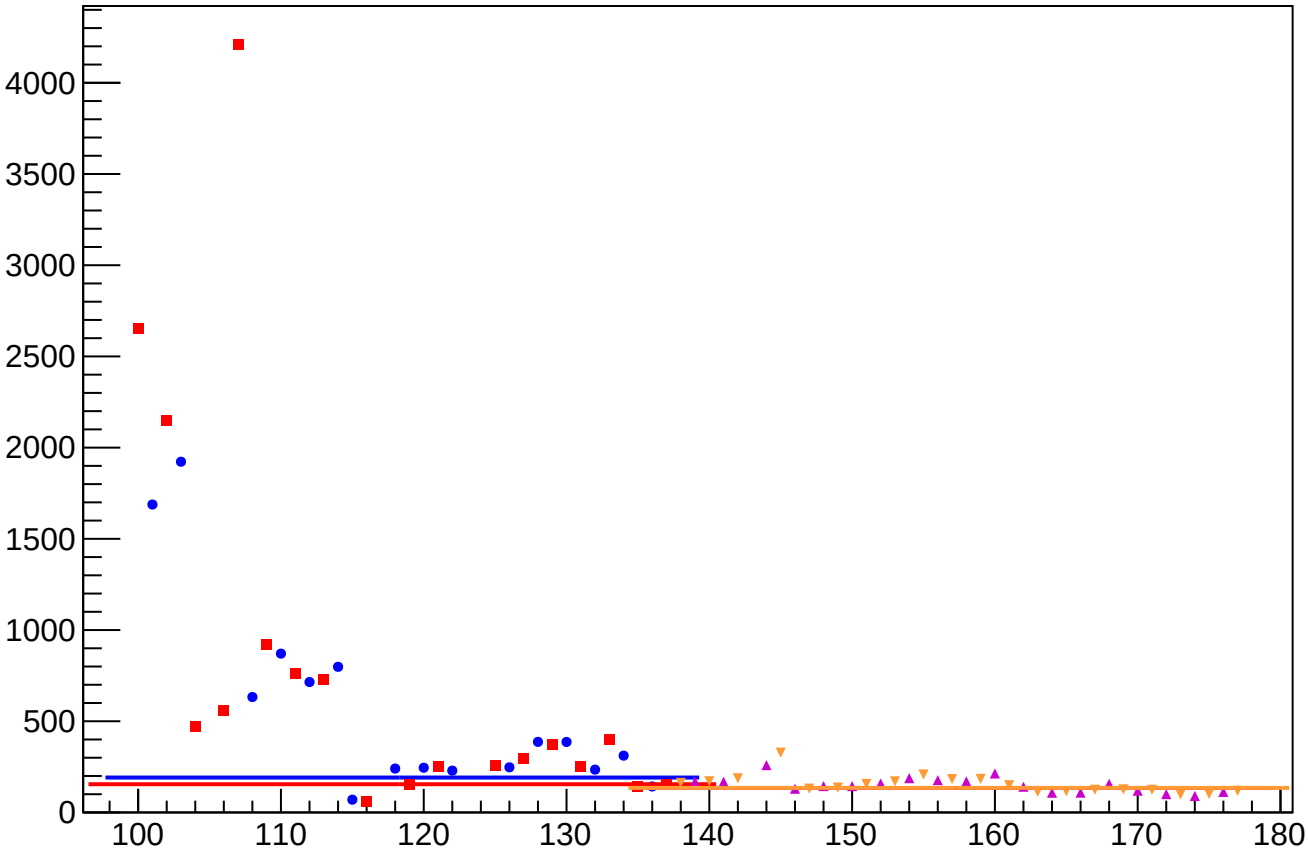
Left: -38.668+/-25.168 χ^2/NDF: 73.6/38

Right: 19.134+/-61.048 χ^2/NDF: 33.0/33

In: 54.694+/-33.264 χ^2/NDF:31.5/34

Out: -111.673+/-32.559 χ^2/NDF:63.1/37

All: -30.271+/-23.268 χ^2/NDF: 107.4/72



Right In: 191.381+/-0.064 χ^2/NDF: 5064747.7/15

Left Out: 134.713+/-0.025 χ^2/NDF:1802170.7/19

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

Left In: 133.971+/-0.025 χ^2/NDF:1912865.3/18

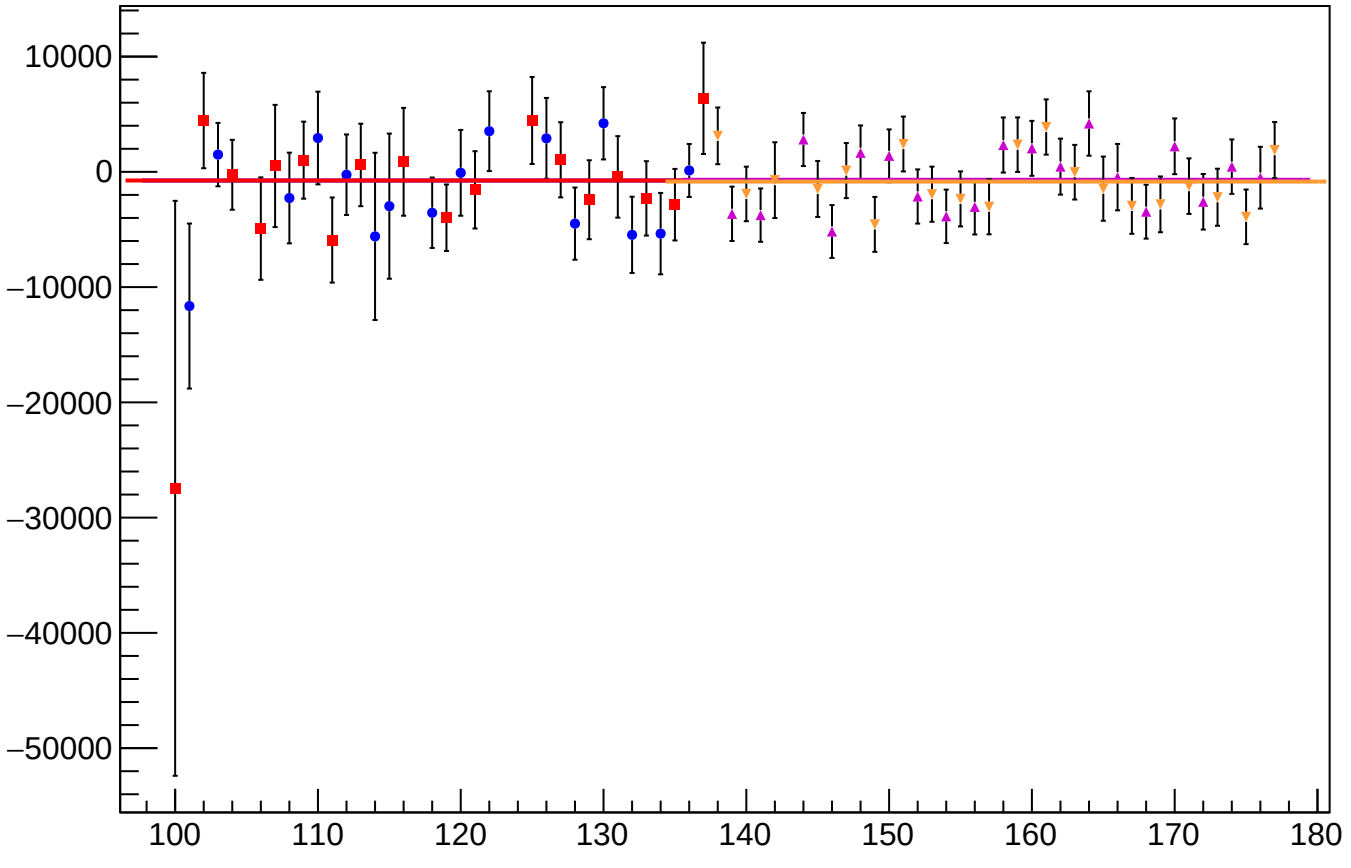
Left: 134.345+/-0.018 χ^2/NDF: 3715470.7/38

Right: 171.226+/-0.043 χ^2/NDF: 11398031.5/33

In: 141.656+/-0.024 χ^2/NDF:7668362.5/34

Out: 137.831+/-0.023 χ^2/NDF:8055556.6/37

All: 139.703+/-0.016 χ^2/NDF: 15737426.0/72



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -842.691+/-547.038 χ^2/NDF:19.4/19

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -689.896+/-553.313 χ^2/NDF:24.3/18

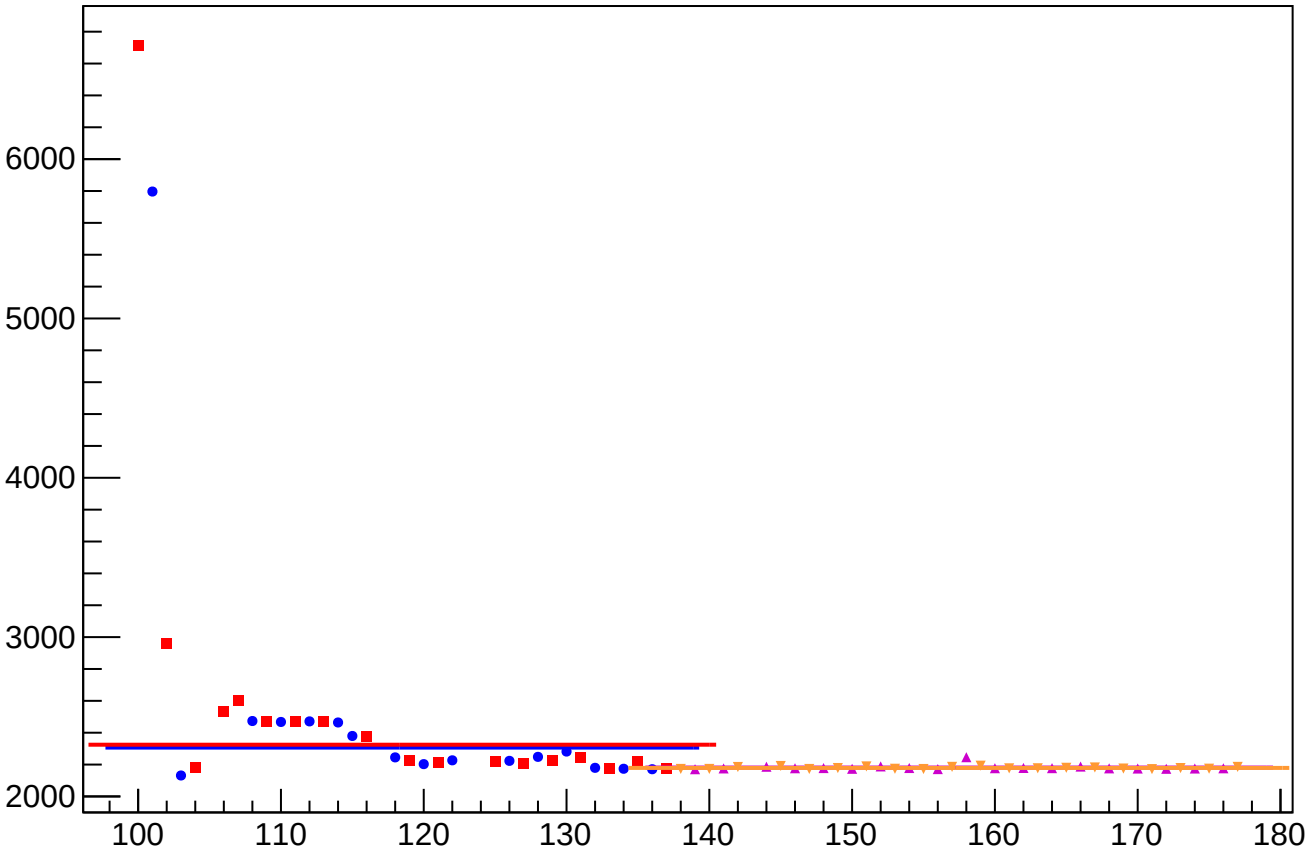
Left: -767.165+/-389.014 χ^2/NDF: 43.7/38

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -708.083+/-467.296 χ^2/NDF:40.2/34

Out: -816.206+/-463.003 χ^2/NDF:32.2/37

All: -762.644+/-328.900 χ^2/NDF: 72.4/72



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.030+/-0.387 χ^2/NDF:296.6/19

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2181.319+/-0.391 χ^2/NDF:1705.7/18

Left: 2180.161+/-0.275 χ^2/NDF: 2019.6/38

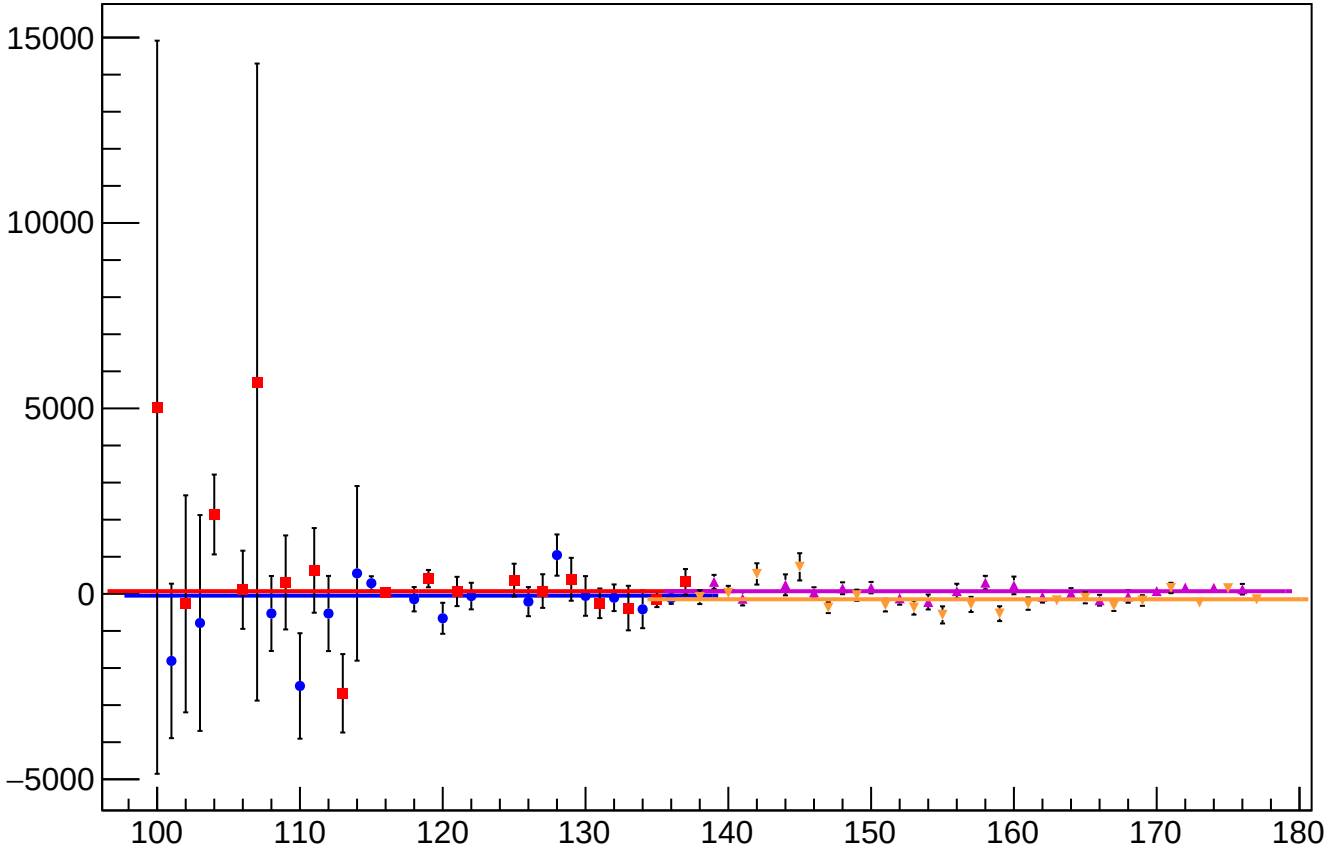
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2217.255+/-0.330 χ^2/NDF:545277.7/34

Out: 2220.344+/-0.327 χ^2/NDF:194091.8/37

All: 2218.814+/-0.233 χ^2/NDF: 739413.6/72

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: -146.061+/-35.445 χ^2/NDF:39.4/19

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 70.543+/-35.745 χ^2/NDF:15.7/18

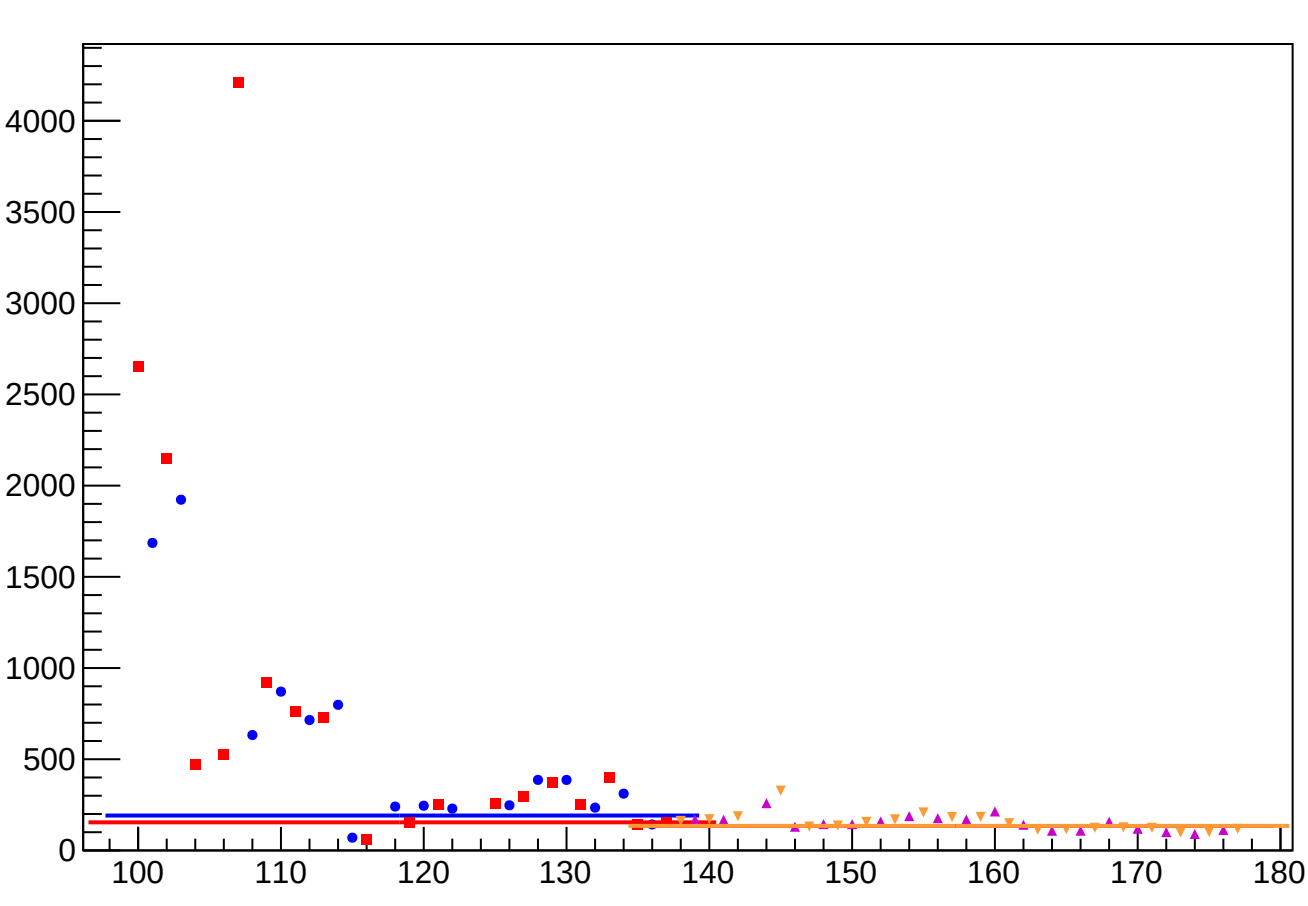
Left: -38.672+/-25.169 χ^2/NDF: 73.6/38

Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 54.679+/-33.267 χ^2/NDF:31.5/34

Out: -111.926+/-32.556 χ^2/NDF:62.7/37

All: -30.423+/-23.268 χ^2/NDF: 107.0/72



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 134.712+/-0.025 χ^2/NDF:1802134.0/19

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 133.981+/-0.025 χ^2/NDF:1913045.9/18

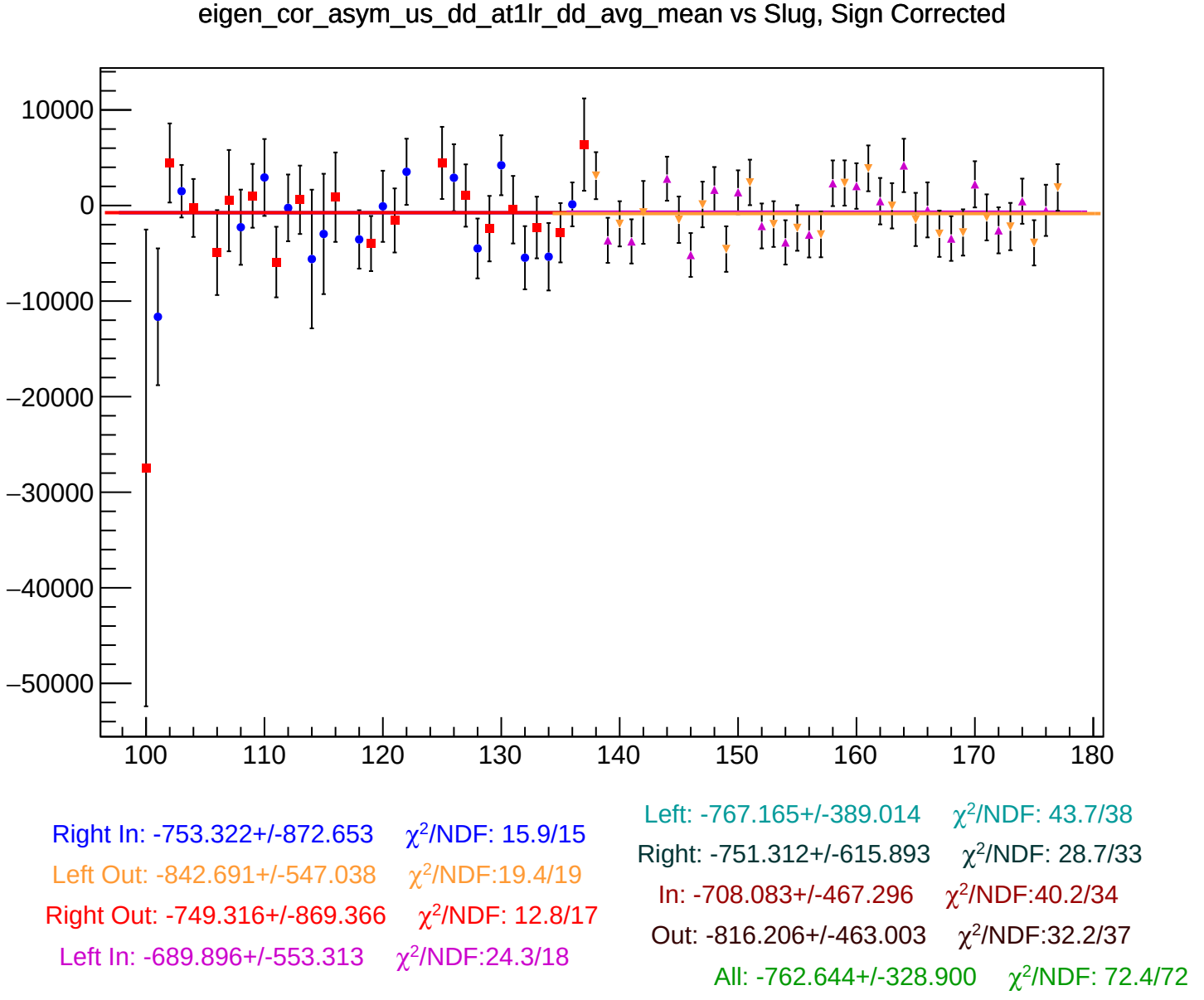
Left: 134.350+/-0.018 χ^2/NDF: 3715601.8/38

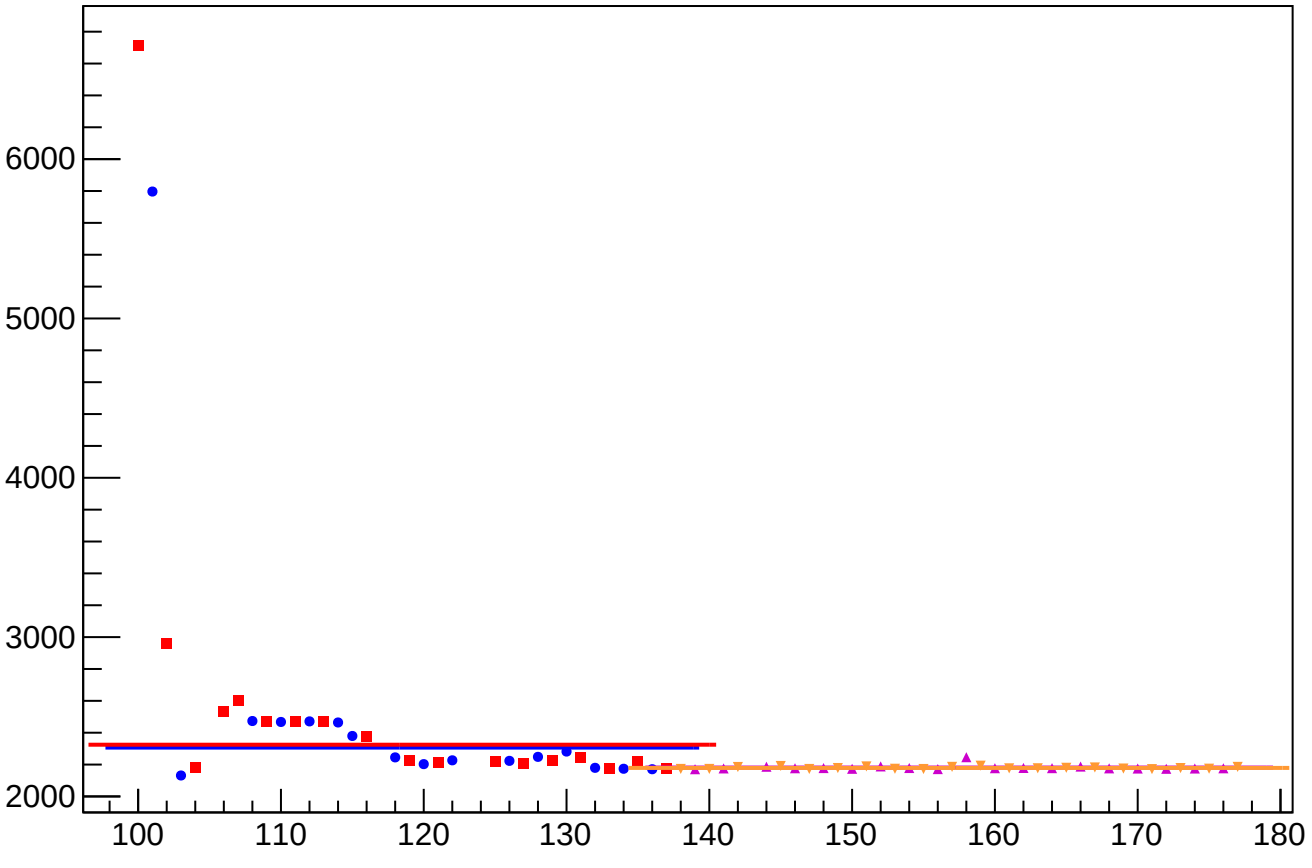
Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 141.669+/-0.024 χ^2/NDF:7667641.3/34

Out: 137.748+/-0.023 χ^2/NDF:8004582.6/37

All: 139.666+/-0.016 χ^2/NDF: 15686417.4/72


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: -842.691+/-547.038 χ²/NDF:19.4/19
Right Out: -749.316+/-869.366 χ²/NDF: 12.8/17
Left In: -689.896+/-553.313 χ²/NDF:24.3/18
Left: -767.165+/-389.014 χ²/NDF: 43.7/38
Right: -751.312+/-615.893 χ²/NDF: 28.7/33
In: -708.083+/-467.296 χ²/NDF:40.2/34
Out: -816.206+/-463.003 χ²/NDF:32.2/37
All: -762.644+/-328.900 χ²/NDF: 72.4/72



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.030+/-0.387 χ^2/NDF:296.6/19

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2181.319+/-0.391 χ^2/NDF:1705.7/18

Left: 2180.161+/-0.275 χ^2/NDF: 2019.6/38

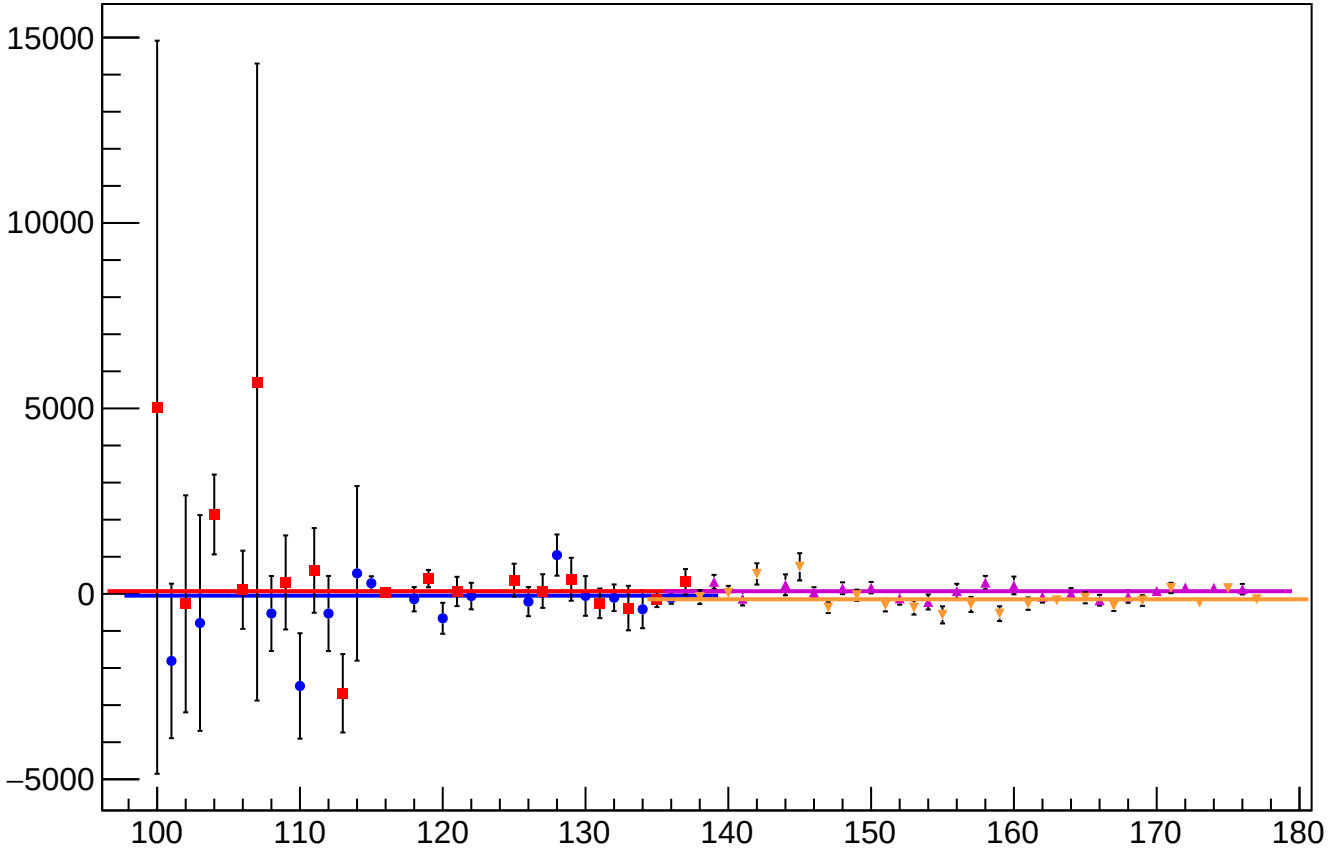
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2217.255+/-0.330 χ^2/NDF:545277.7/34

Out: 2220.344+/-0.327 χ^2/NDF:194091.8/37

All: 2218.814+/-0.233 χ^2/NDF: 739413.6/72

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: -146.061+/-35.445 χ^2/NDF:39.4/19

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 70.543+/-35.745 χ^2/NDF:15.7/18

Left: -38.672+/-25.169 χ^2/NDF: 73.6/38

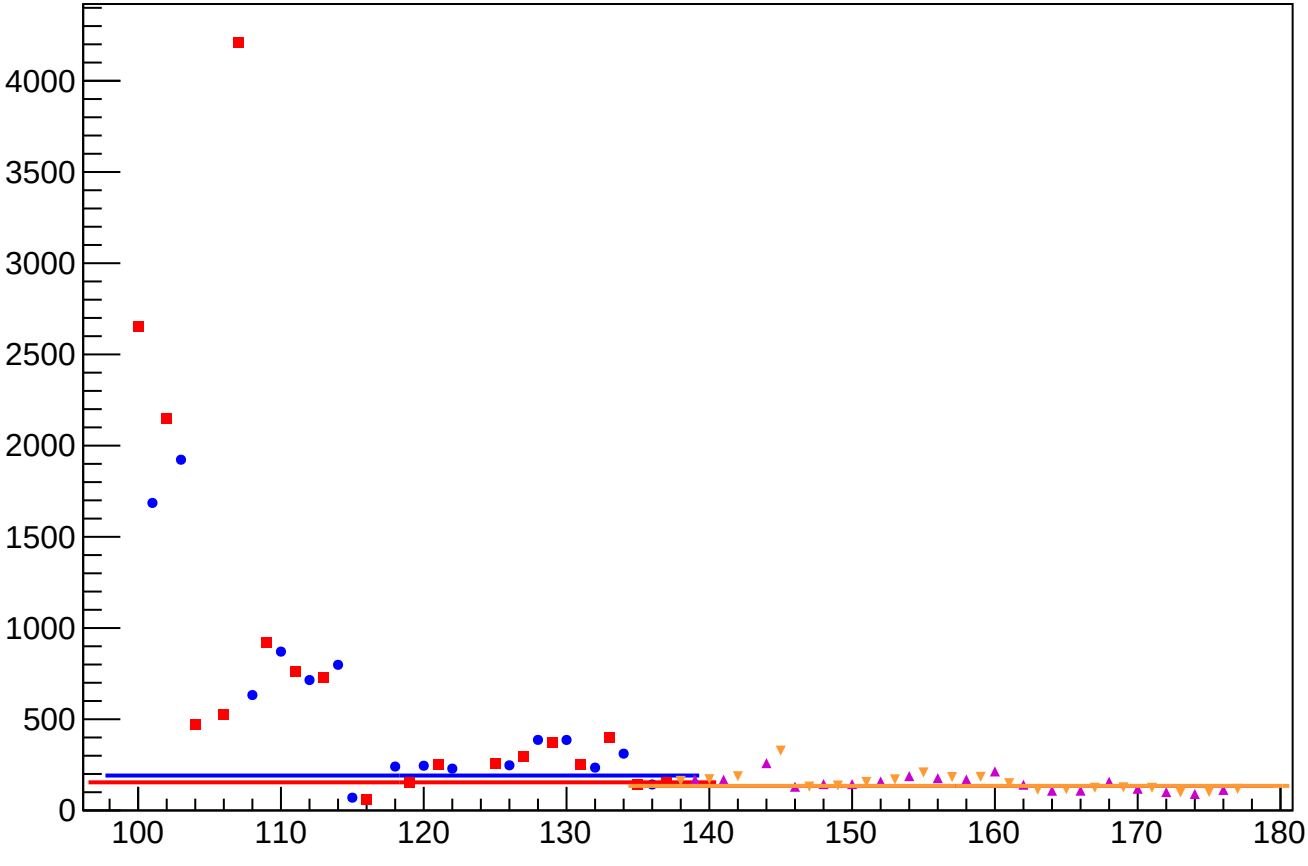
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 54.679+/-33.267 χ^2/NDF:31.5/34

Out: -111.926+/-32.556 χ^2/NDF:62.7/37

All: -30.423+/-23.268 χ^2/NDF: 107.0/72

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: 134.712+/-0.025 χ^2/NDF:1802134.0/19

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 133.981+/-0.025 χ^2/NDF:1913045.9/18

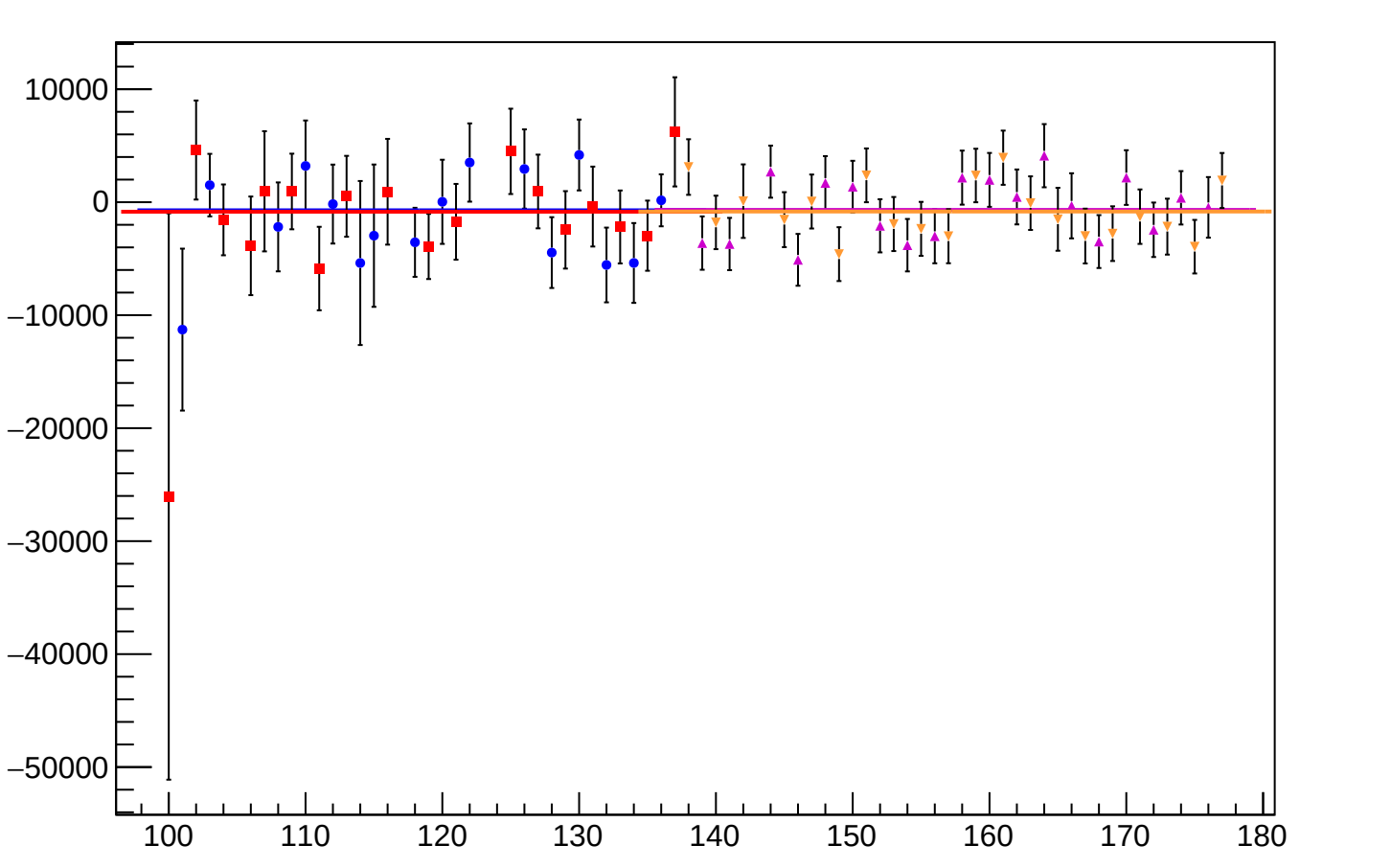
Left: 134.350+/-0.018 χ^2/NDF: 3715601.8/38

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 141.669+/-0.024 χ^2/NDF:7667641.3/34

Out: 137.748+/-0.023 χ^2/NDF:8004582.6/37

All: 139.666+/-0.016 χ^2/NDF: 15686417.4/72



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: -825.289+/-547.069 χ^2/NDF:19.5/19

Right Out: -842.157+/-873.586 χ^2/NDF: 12.2/17

Left In: -684.425+/-553.515 χ^2/NDF:23.5/18

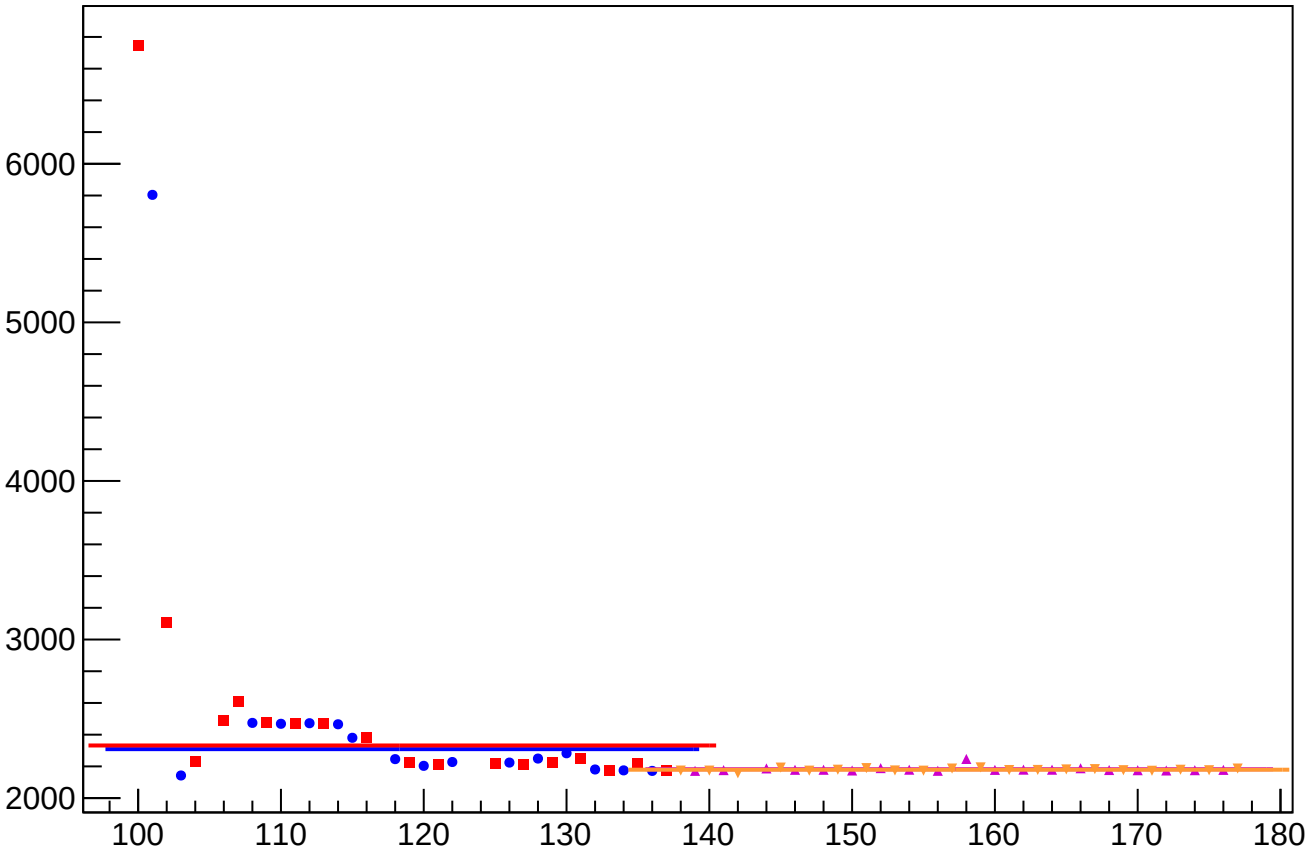
Left: -755.682+/-389.095 χ^2/NDF: 43.0/38

Right: -779.643+/-617.702 χ^2/NDF: 28.0/33

In: -693.796+/-467.554 χ^2/NDF:39.3/34

Out: -830.041+/-463.656 χ^2/NDF:31.7/37

All: -762.489+/-329.224 χ^2/NDF: 71.0/72



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2178.993+/-0.387 χ^2/NDF:391.2/19

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2182.114+/-0.391 χ^2/NDF:1697.8/18

Left: 2180.535+/-0.275 χ^2/NDF: 2121.1/38

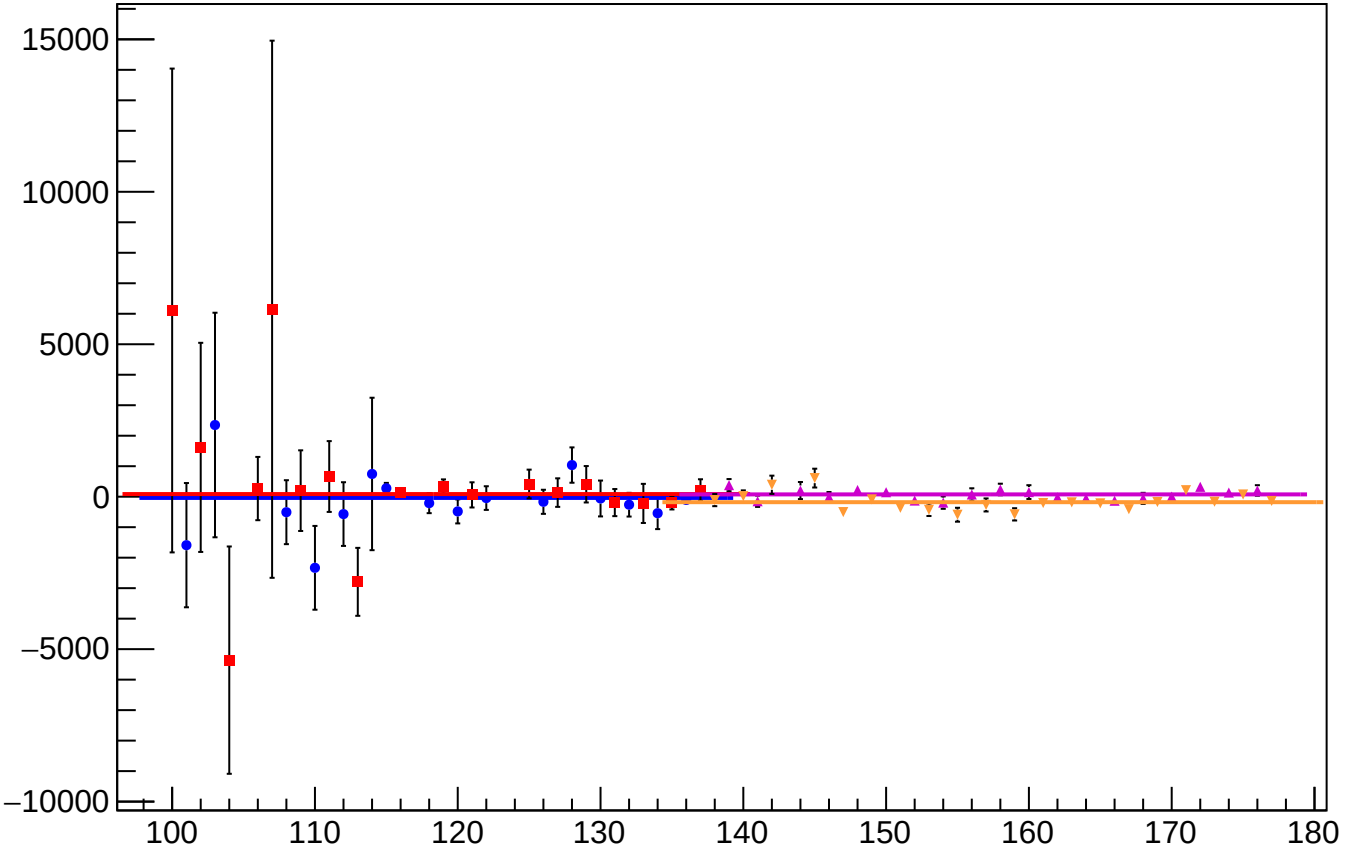
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2218.390+/-0.331 χ^2/NDF:545425.6/34

Out: 2222.052+/-0.328 χ^2/NDF:211696.9/37

All: 2220.236+/-0.233 χ^2/NDF: 757184.4/72

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

Left Out: -179.843+/-36.769 χ^2/NDF:39.6/19

Right Out: 86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: 75.577+/-37.090 χ^2/NDF:18.4/18

Left: -53.242+/-26.112 χ^2/NDF: 82.0/38

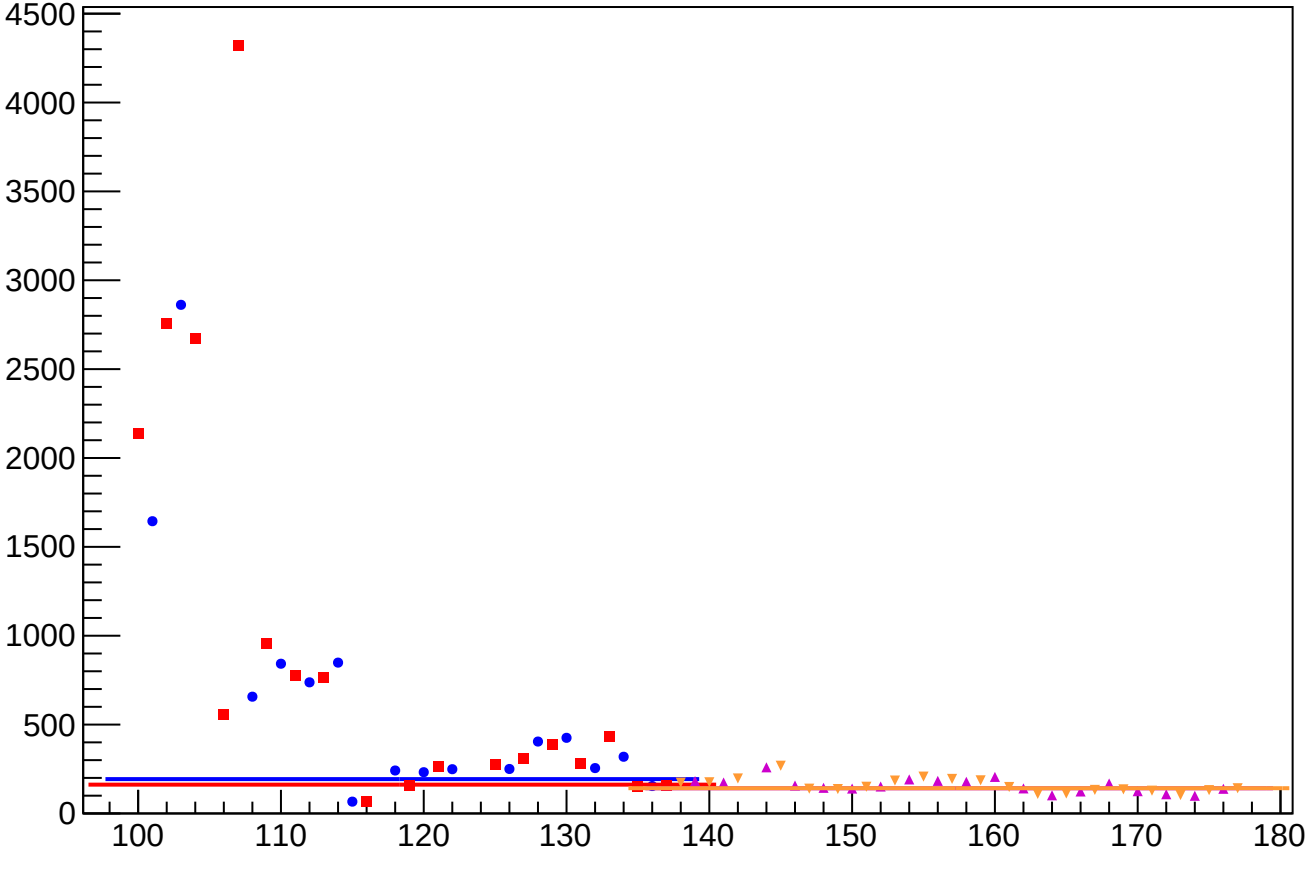
Right: 27.604+/-62.990 χ^2/NDF: 30.0/33

In: 59.525+/-34.421 χ^2/NDF:33.8/34

Out: -138.770+/-33.814 χ^2/NDF:62.7/37

All: -41.386+/-24.122 χ^2/NDF: 113.4/72

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 193.255+/-0.065 χ^2/NDF: 5617847.0/15

Left Out: 142.102+/-0.026 χ^2/NDF:1476940.1/19

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

Left In: 141.562+/-0.026 χ^2/NDF:1694117.0/18

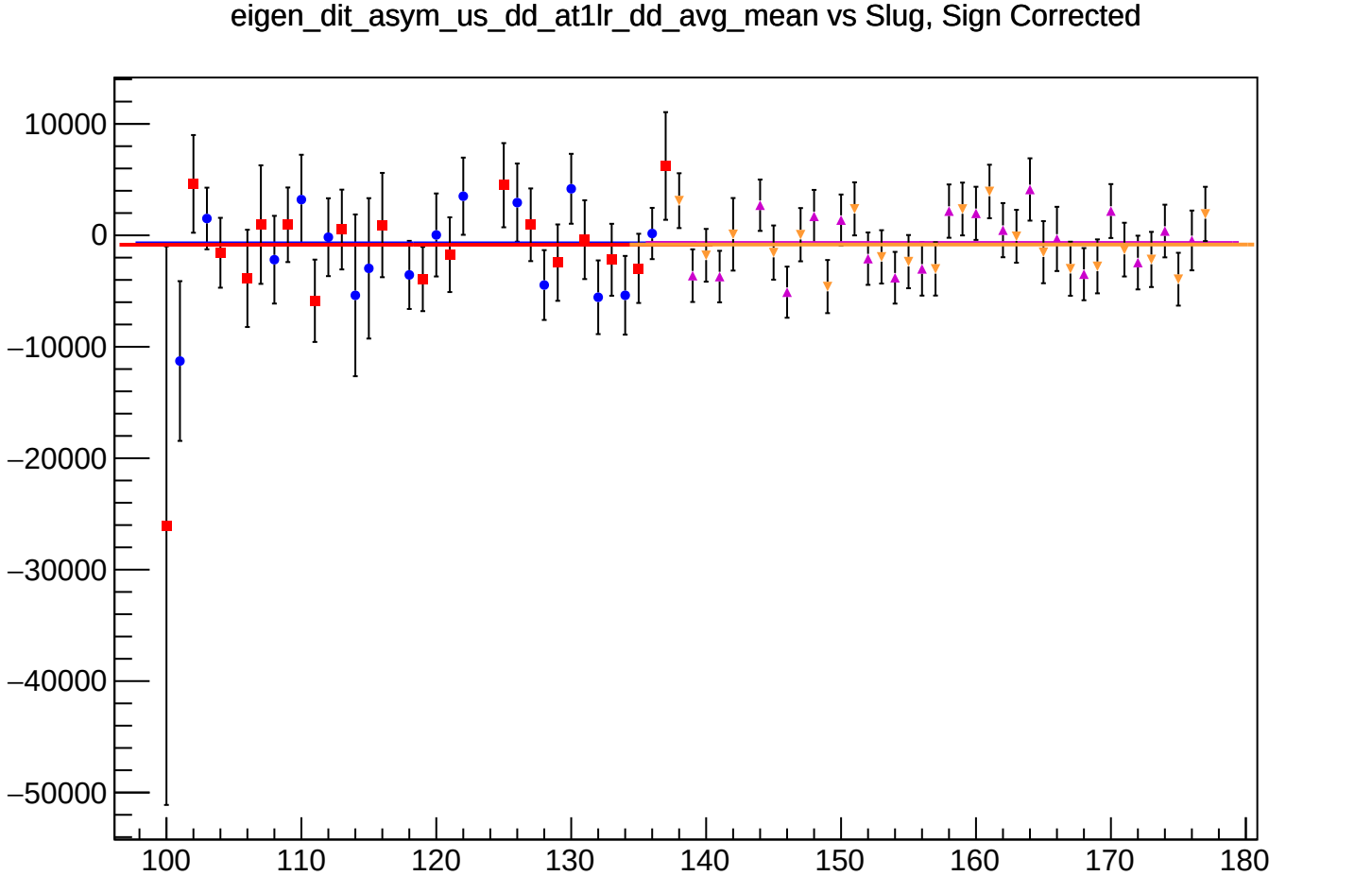
Left: 141.834+/-0.018 χ^2/NDF: 3171270.6/38

Right: 176.583+/-0.045 χ^2/NDF: 12809933.8/33

In: 148.734+/-0.024 χ^2/NDF:7850976.5/34

Out: 145.189+/-0.024 χ^2/NDF:8638833.5/37

All: 146.930+/-0.017 χ^2/NDF: 16500605.6/72



Right In: -717.137+/-873.539 χ^2/NDF: 15.8/15

Left Out: -825.291+/-547.069 χ^2/NDF:19.5/19

Right Out: -842.159+/-873.586 χ^2/NDF: 12.2/17

Left In: -684.424+/-553.515 χ^2/NDF:23.5/18

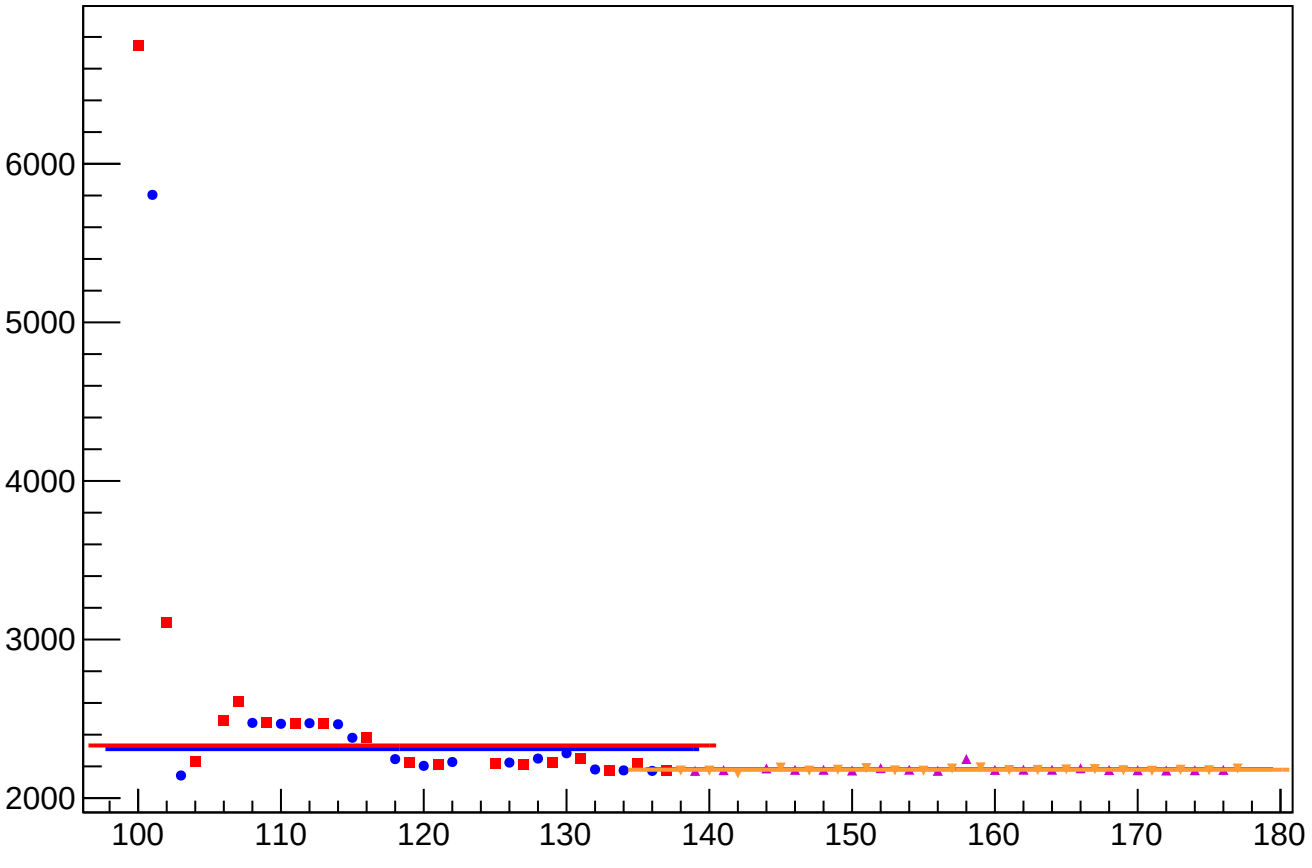
Left: -755.682+/-389.095 χ^2/NDF: 43.0/38

Right: -779.645+/-617.702 χ^2/NDF: 28.0/33

In: -693.796+/-467.554 χ^2/NDF:39.3/34

Out: -830.043+/-463.656 χ^2/NDF:31.7/37

All: -762.489+/-329.224 χ^2/NDF: 71.0/72



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2178.993+/-0.387 χ^2/NDF:391.2/19

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2182.114+/-0.391 χ^2/NDF:1697.8/18

Left: 2180.535+/-0.275 χ^2/NDF: 2121.1/38

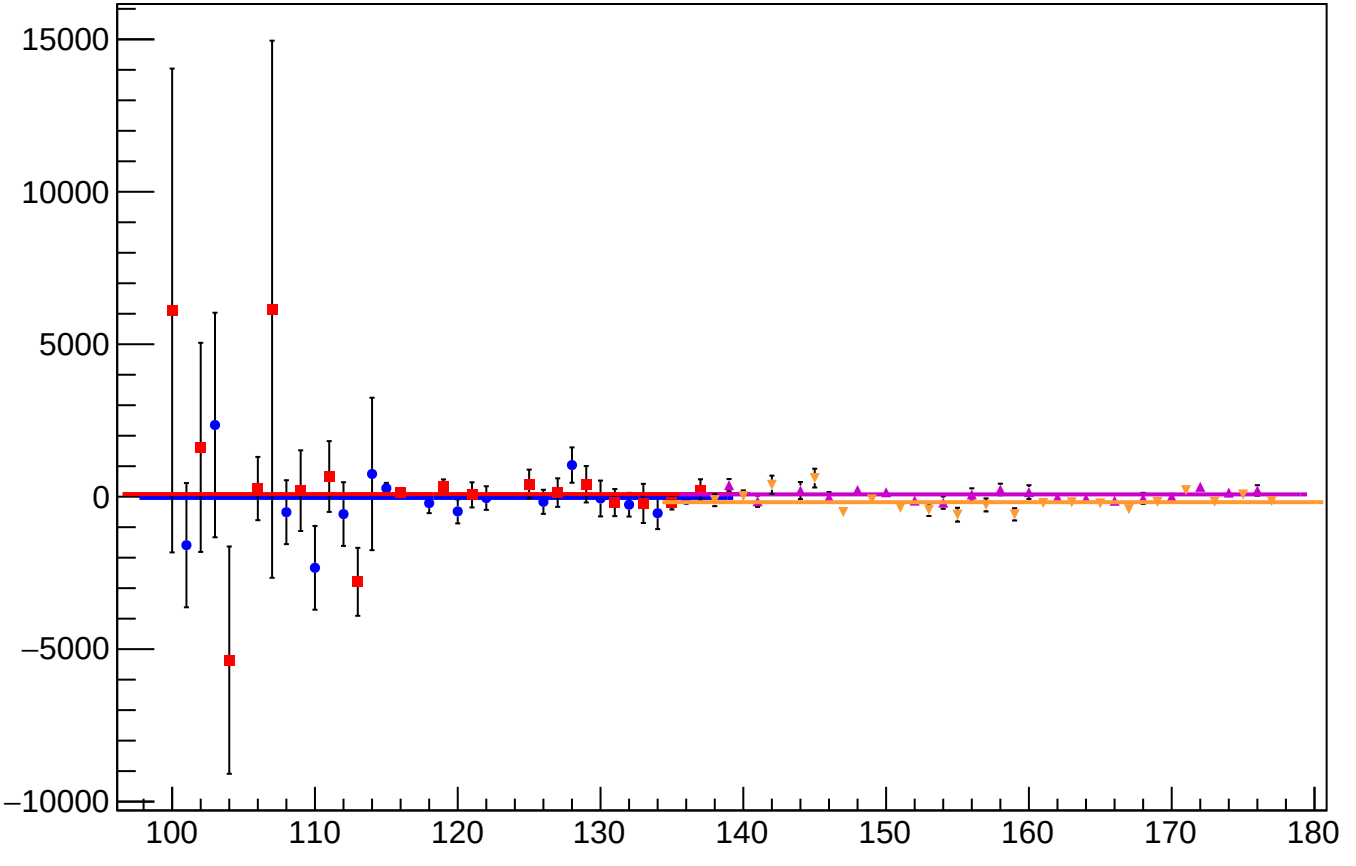
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2218.390+/-0.331 χ^2/NDF:545425.6/34

Out: 2222.052+/-0.328 χ^2/NDF:211696.8/37

All: 2220.236+/-0.233 χ^2/NDF: 757184.3/72

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: -179.844+/-36.769 χ^2/NDF:39.6/19

Right Out: 86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: 75.576+/-37.090 χ^2/NDF:18.4/18

Left: -53.243+/-26.112 χ^2/NDF: 82.0/38

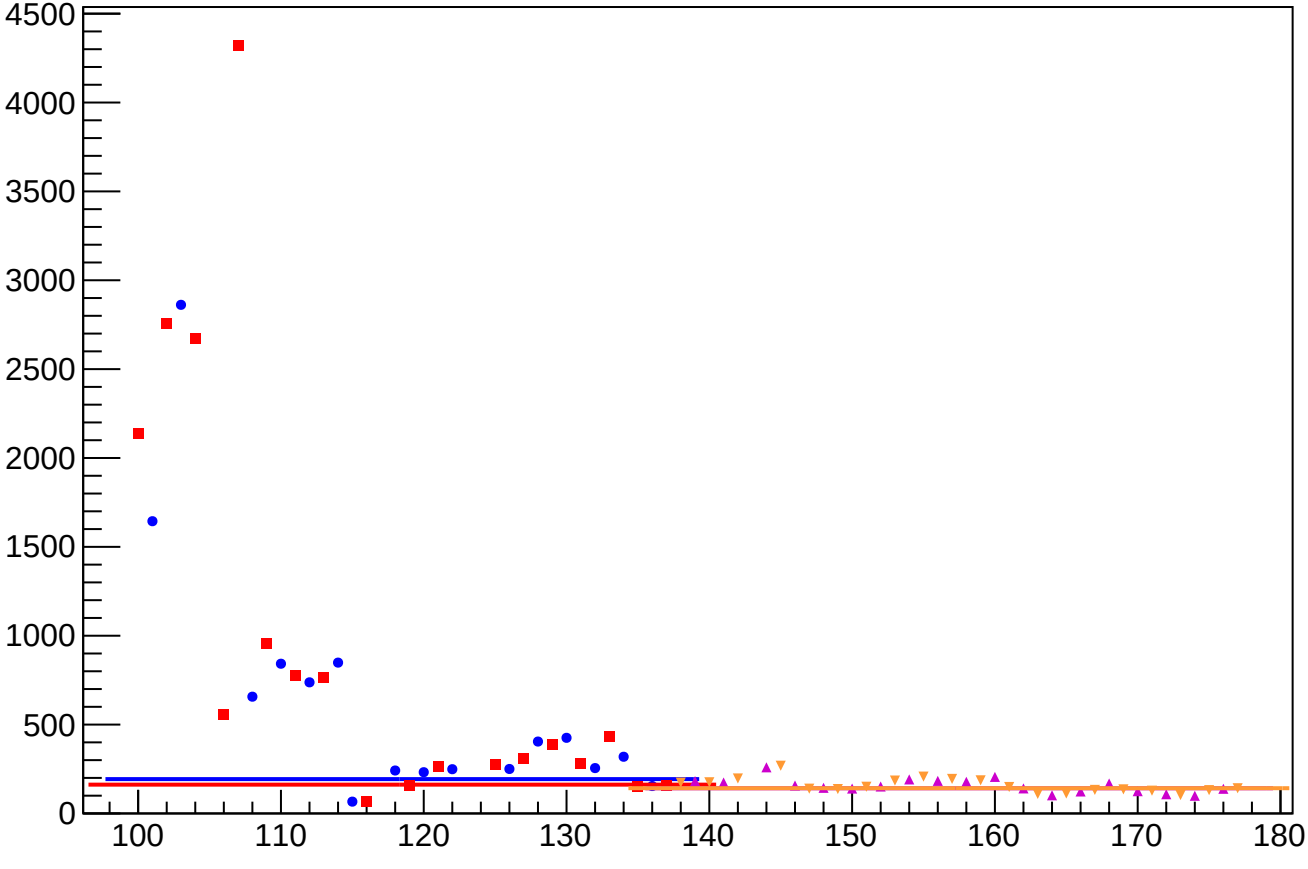
Right: 27.606+/-62.989 χ^2/NDF: 30.0/33

In: 59.524+/-34.421 χ^2/NDF:33.8/34

Out: -138.770+/-33.814 χ^2/NDF:62.7/37

All: -41.386+/-24.122 χ^2/NDF: 113.4/72

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 193.253+/-0.065 χ^2/NDF: 5617884.1/15

Left Out: 142.102+/-0.026 χ^2/NDF:1476948.5/19

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

Left In: 141.562+/-0.026 χ^2/NDF:1694147.3/18

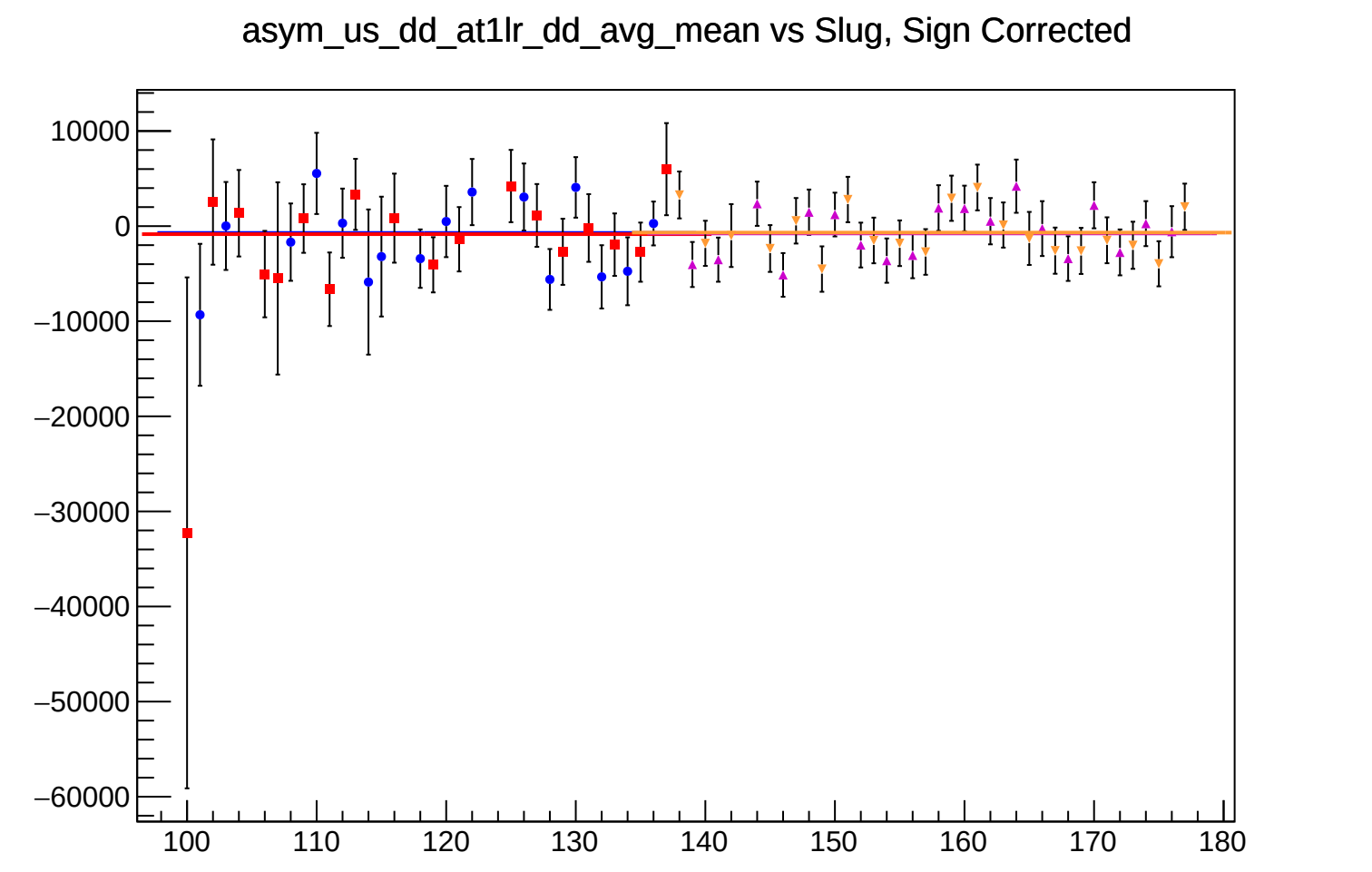
Left: 141.835+/-0.018 χ^2/NDF: 3171309.1/38

Right: 176.581+/-0.045 χ^2/NDF: 12810031.9/33

In: 148.734+/-0.024 χ^2/NDF:7850999.3/34

Out: 145.189+/-0.024 χ^2/NDF:8638879.8/37

All: 146.930+/-0.017 χ^2/NDF: 16500675.8/72



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -681.455+/-548.768 χ^2/NDF:20.4/19

Right Out: -844.810+/-928.703 χ^2/NDF: 12.9/17

Left In: -766.593+/-555.036 χ^2/NDF:22.6/18

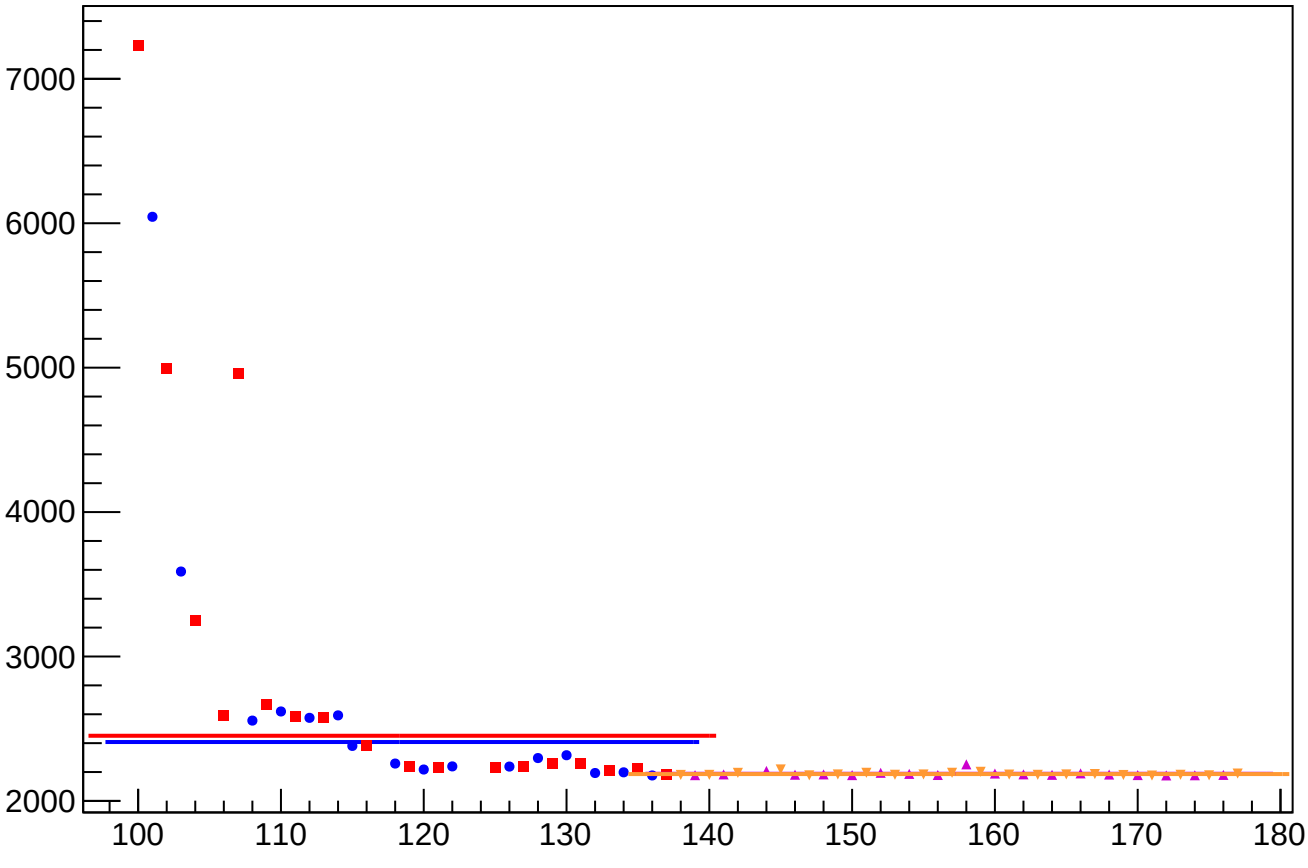
Left: -723.541+/-390.235 χ^2/NDF: 43.1/38

Right: -781.340+/-652.237 χ^2/NDF: 28.7/33

In: -753.968+/-474.724 χ^2/NDF:38.4/34

Out: -723.731+/-472.451 χ^2/NDF:33.4/37

All: -738.777+/-334.874 χ^2/NDF: 71.8/72



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2185.909+/-0.388 χ^2/NDF:660.0/19

Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2188.104+/-0.392 χ^2/NDF:1915.0/18

Left: 2186.994+/-0.276 χ^2/NDF: 2590.8/38

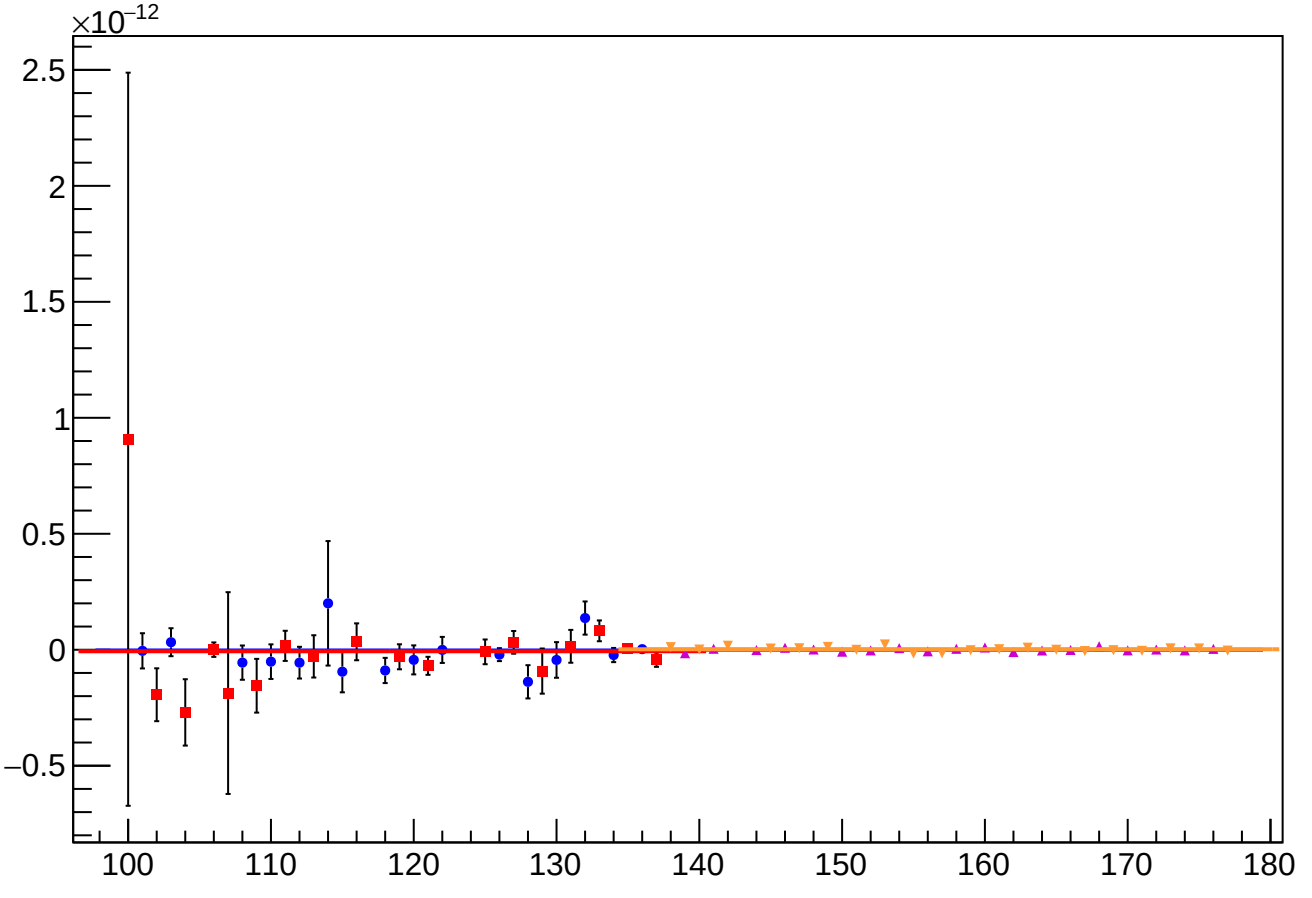
Right: 2429.198+/-0.461 χ^2/NDF: 1312704.2/33

In: 2247.081+/-0.336 χ^2/NDF:762923.9/34

Out: 2254.563+/-0.334 χ^2/NDF:755215.1/37

All: 2250.840+/-0.237 χ^2/NDF: 1518388.6/72

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.1/19

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: -0.000+/-0.000 χ^2/NDF:12.9/18

Left: 0.000+/-0.000 χ^2/NDF: 30.9/38

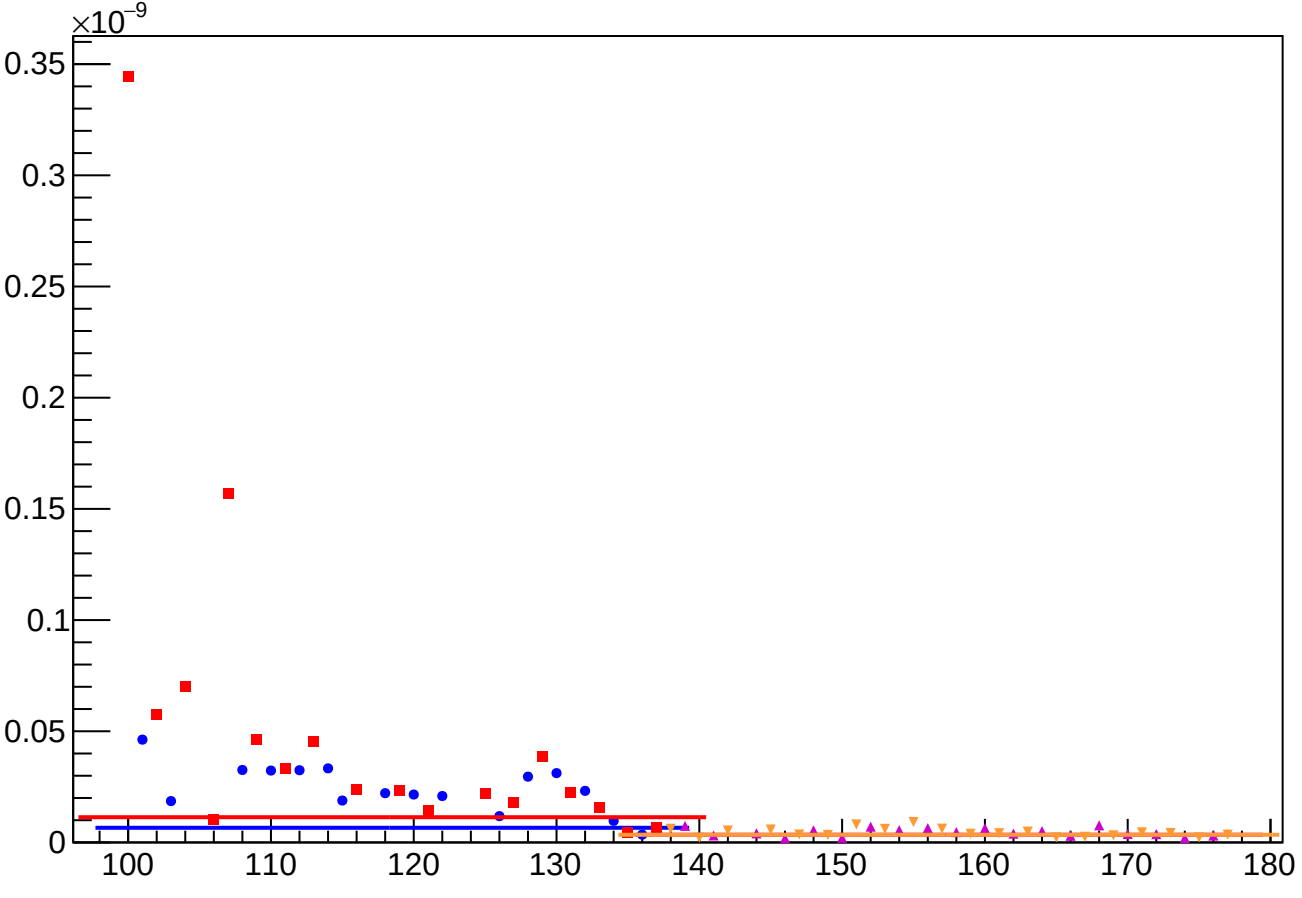
Right: -0.000+/-0.000 χ^2/NDF: 34.5/33

In: -0.000+/-0.000 χ^2/NDF:28.7/34

Out: 0.000+/-0.000 χ^2/NDF:36.8/37

All: 0.000+/-0.000 χ^2/NDF: 66.4/72

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1636430.6/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1571678.9/18

Left: 0.000+/-0.000 χ^2/NDF: 3208185.3/38

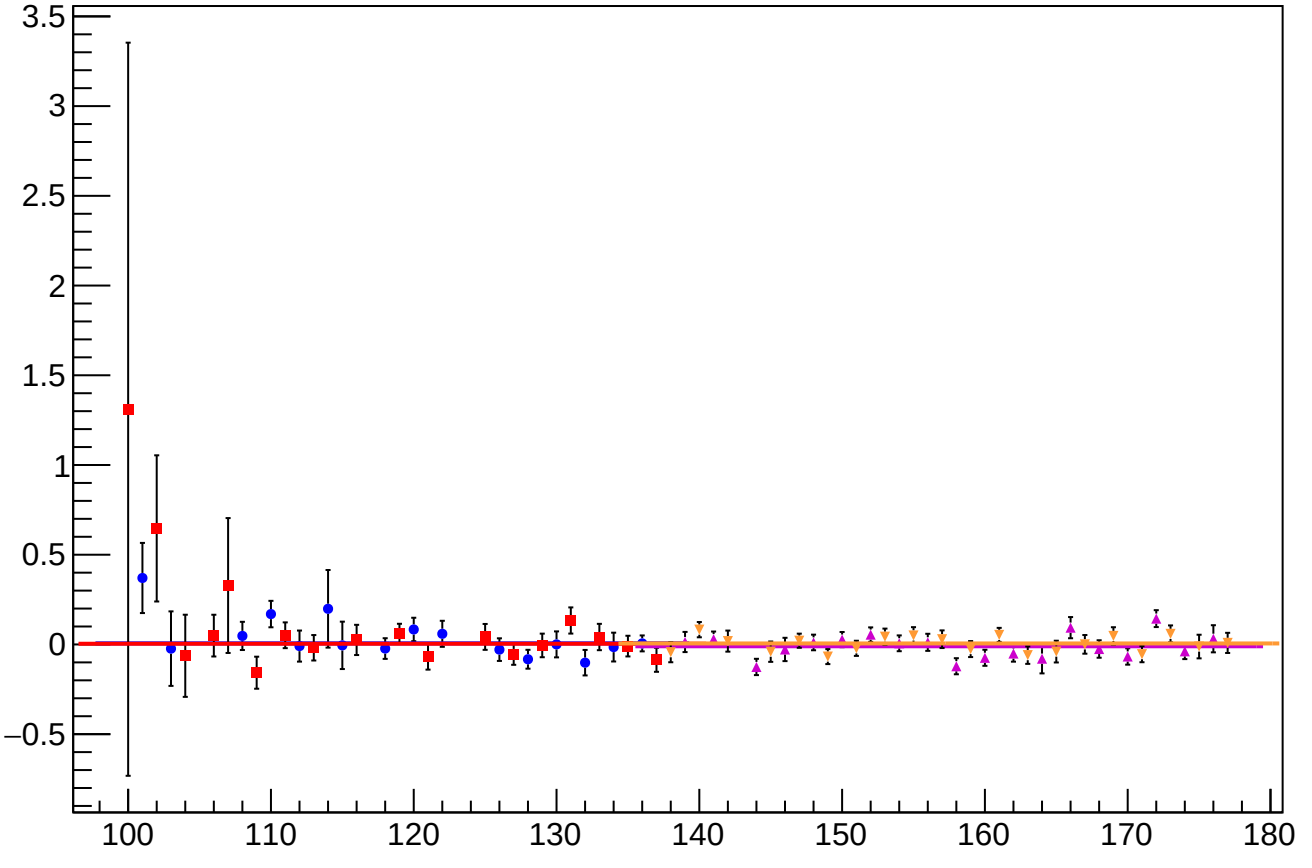
Right: 0.000+/-0.000 χ^2/NDF: 5888629.2/33

In: 0.000+/-0.000 χ^2/NDF:4888048.9/34

Out: 0.000+/-0.000 χ^2/NDF:5605760.9/37

All: 0.000+/-0.000 χ^2/NDF: 10494029.6/72

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: 0.006+/-0.011 χ^2/NDF:18.4/19

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.010+/-0.011 χ^2/NDF:37.4/18

Left: -0.002+/-0.008 χ^2/NDF: 56.9/38

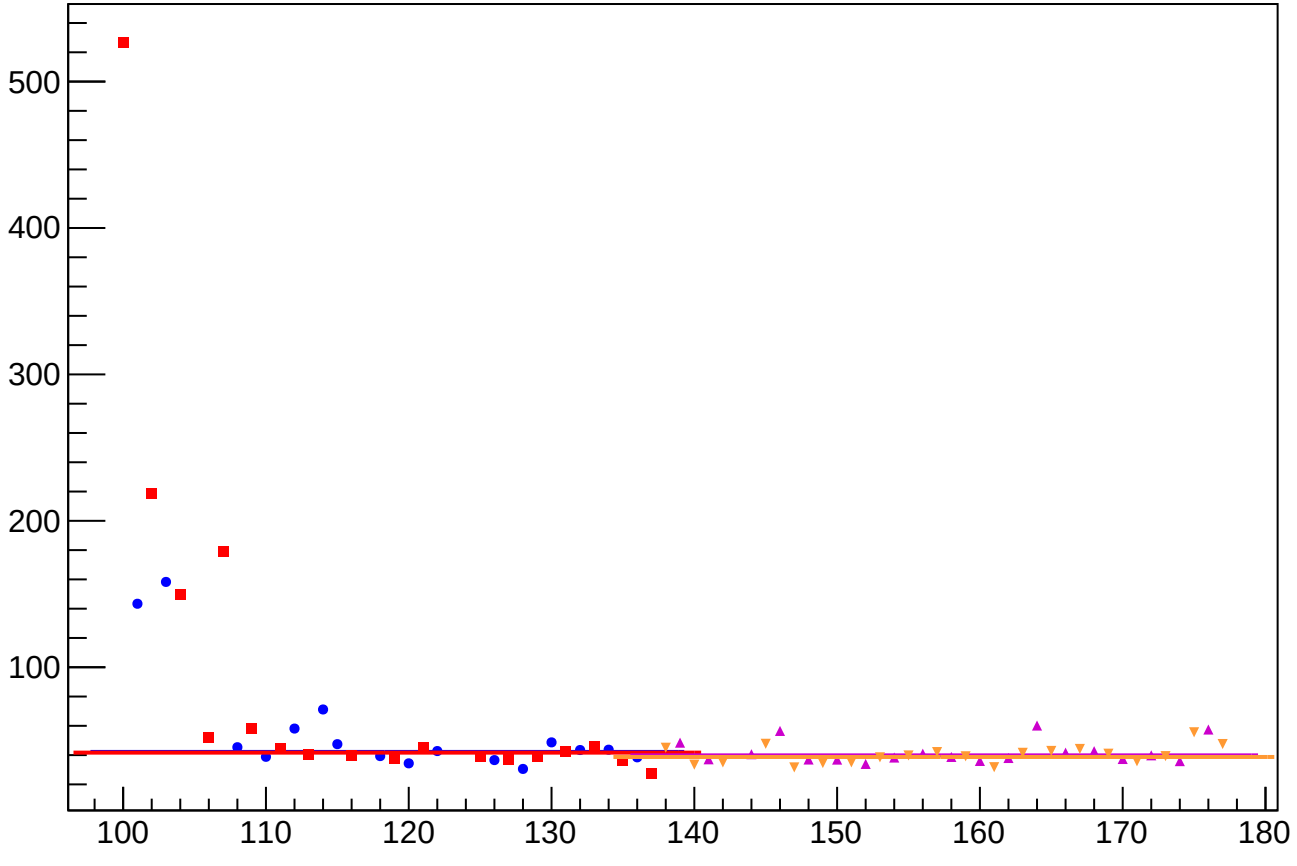
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.006+/-0.009 χ^2/NDF:55.2/34

Out: 0.005+/-0.009 χ^2/NDF:34.7/37

All: -0.000+/-0.007 χ^2/NDF: 90.6/72

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: 38.722+/-0.008 χ^2/NDF:520864.2/19

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.823+/-0.008 χ^2/NDF:533227.0/18

Left: 39.255+/-0.005 χ^2/NDF: 1064366.7/38

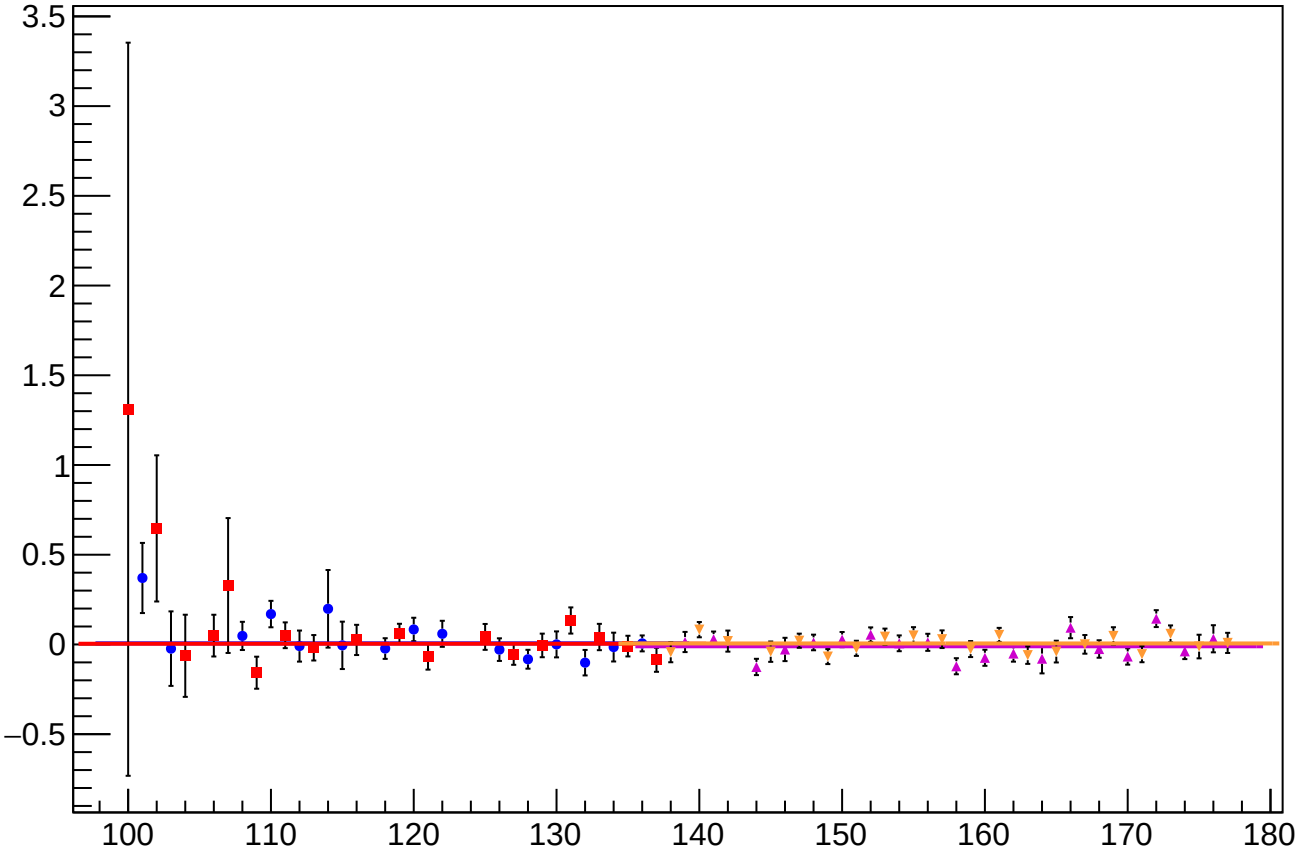
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 40.449+/-0.007 χ^2/NDF:2011733.0/34

Out: 39.460+/-0.007 χ^2/NDF:2000442.0/37

All: 39.945+/-0.005 χ^2/NDF: 4023363.5/72

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: 0.006+/-0.011 χ^2/NDF:18.4/19

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.010+/-0.011 χ^2/NDF:37.4/18

Left: -0.002+/-0.008 χ^2/NDF: 56.9/38

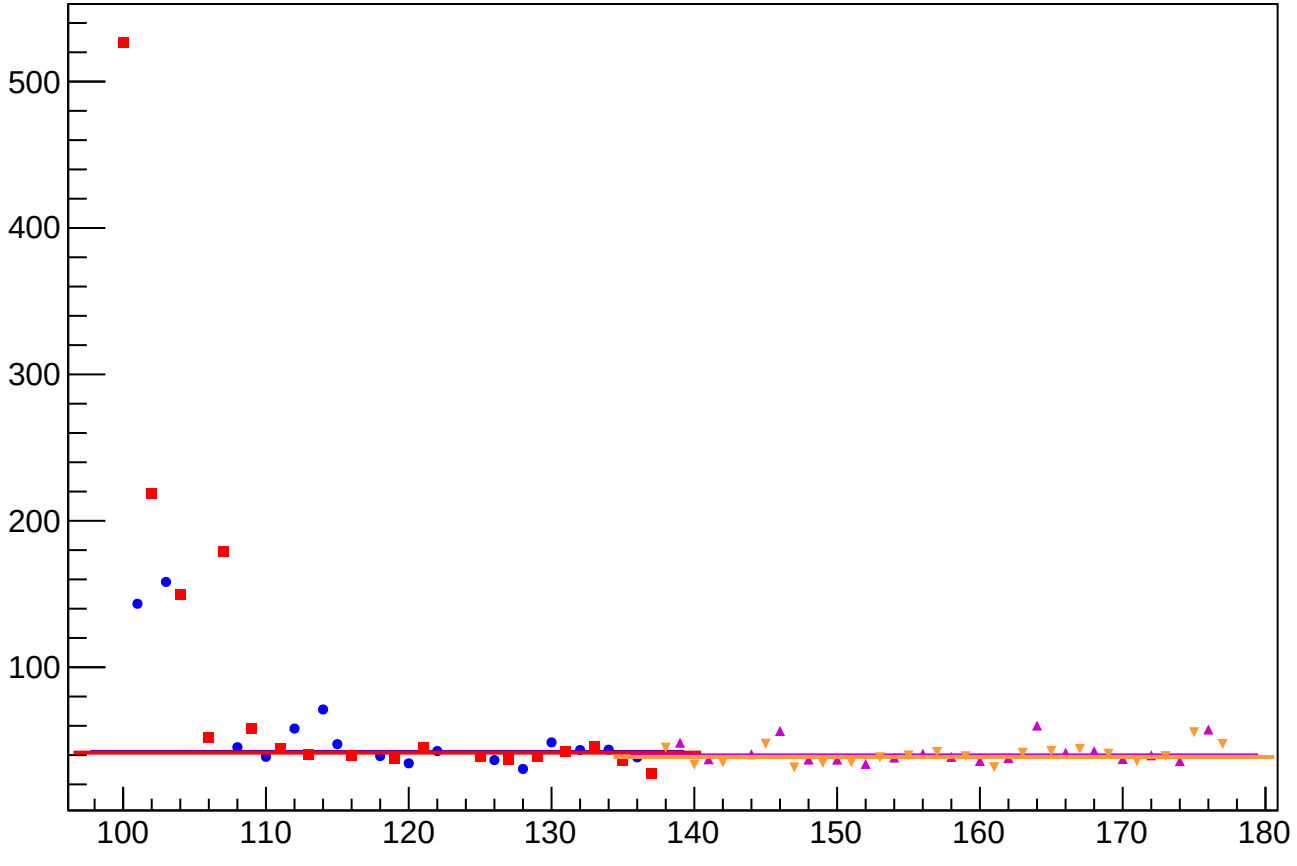
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.006+/-0.009 χ^2/NDF:55.2/34

Out: 0.005+/-0.009 χ^2/NDF:34.7/37

All: -0.000+/-0.007 χ^2/NDF: 90.6/72

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 38.722+/-0.008 χ^2/NDF:520864.2/19

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.823+/-0.008 χ^2/NDF:533227.0/18

Left: 39.255+/-0.005 χ^2/NDF: 1064366.7/38

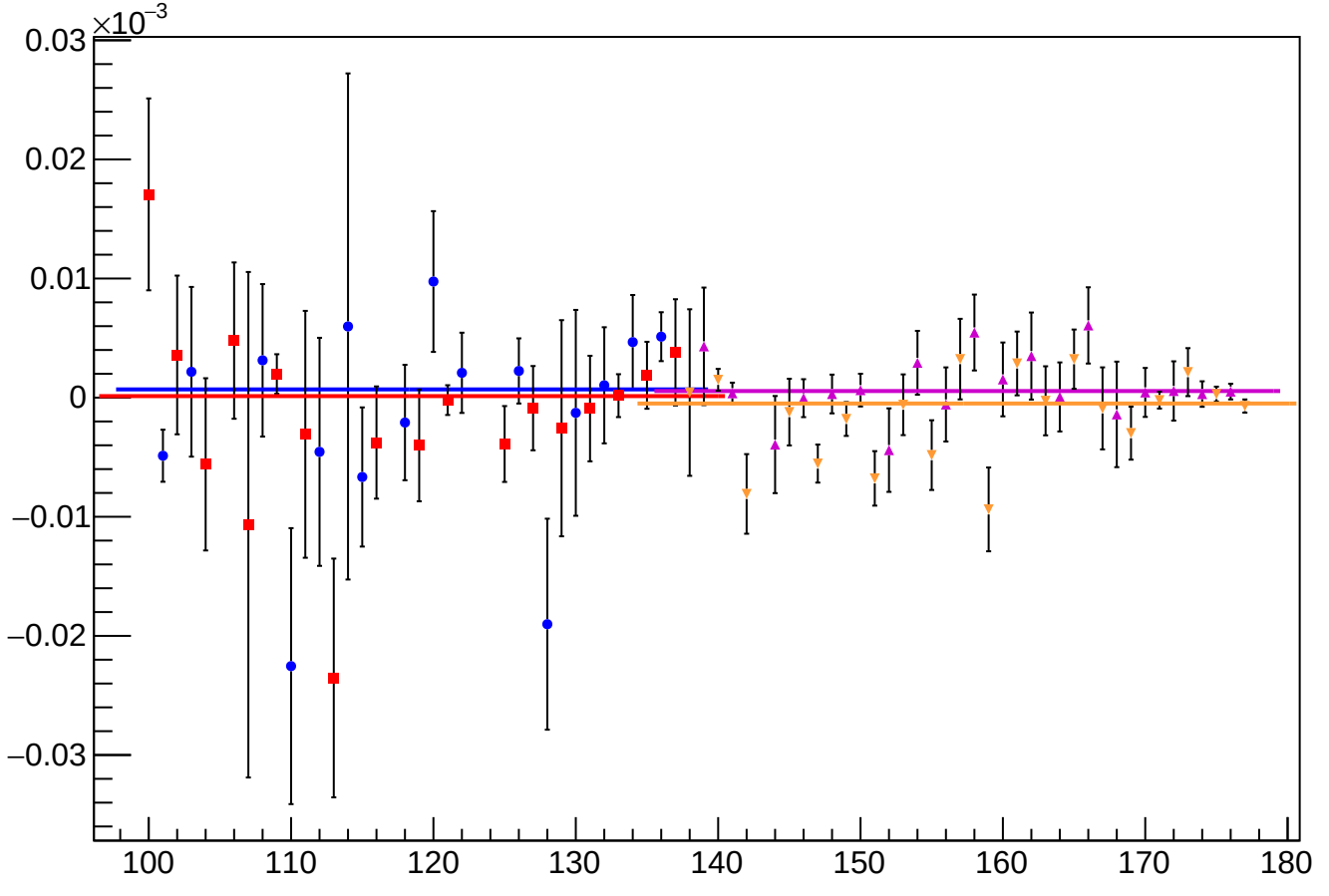
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 40.449+/-0.007 χ^2/NDF:2011733.0/34

Out: 39.460+/-0.007 χ^2/NDF:2000442.0/37

All: 39.945+/-0.005 χ^2/NDF: 4023363.5/72

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:46.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:11.3/18

Left: -0.000+/-0.000 χ^2/NDF: 63.0/38

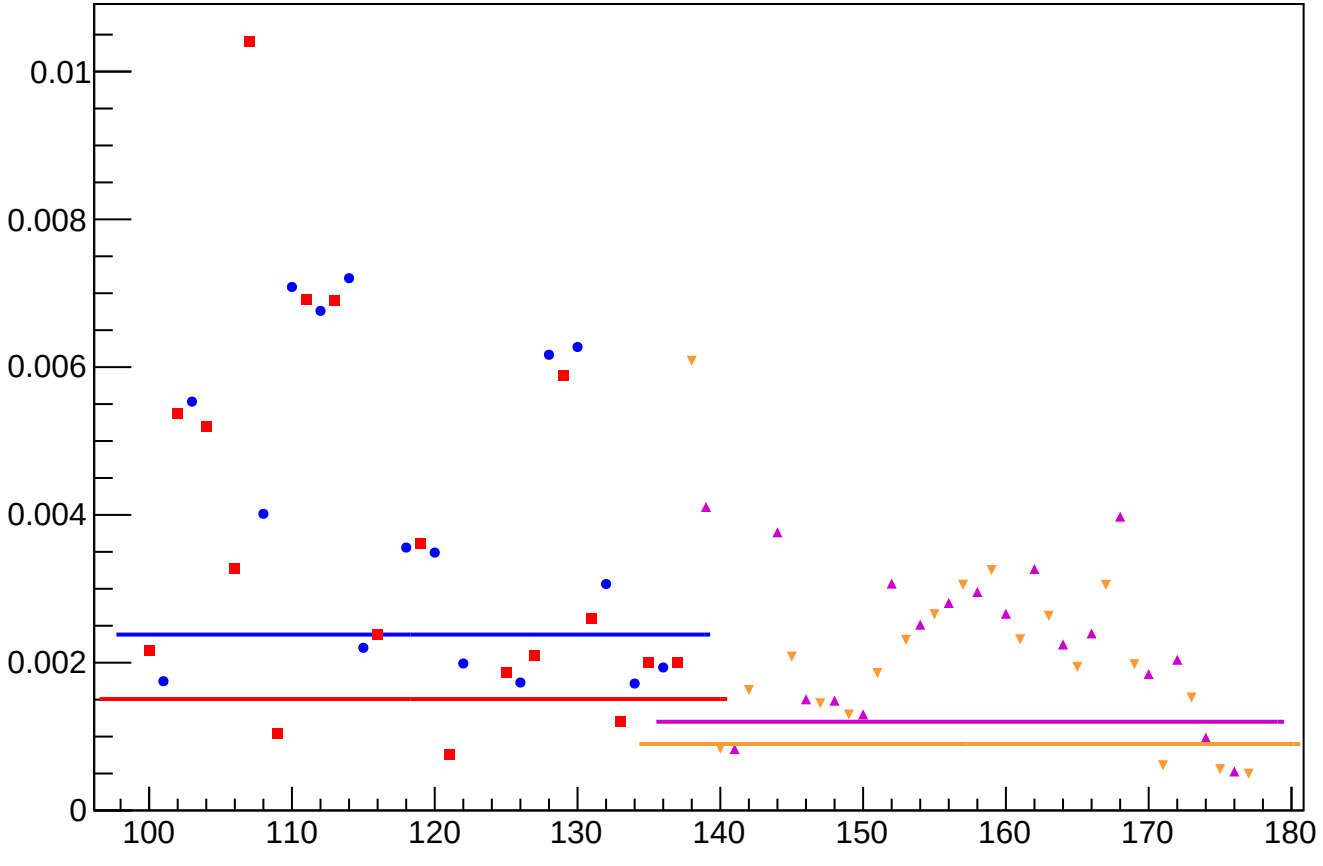
Right: 0.000+/-0.000 χ^2/NDF: 44.1/33

In: 0.000+/-0.000 χ^2/NDF:37.8/34

Out: -0.000+/-0.000 χ^2/NDF:64.9/37

All: -0.000+/-0.000 χ^2/NDF: 107.5/72

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:10425034.9/19

Right Out: 0.002+/-0.000 χ^2/NDF: 5001667.0/17

Left In: 0.001+/-0.000 χ^2/NDF:9174275.3/18

Left: 0.001+/-0.000 χ^2/NDF: 20402562.1/38

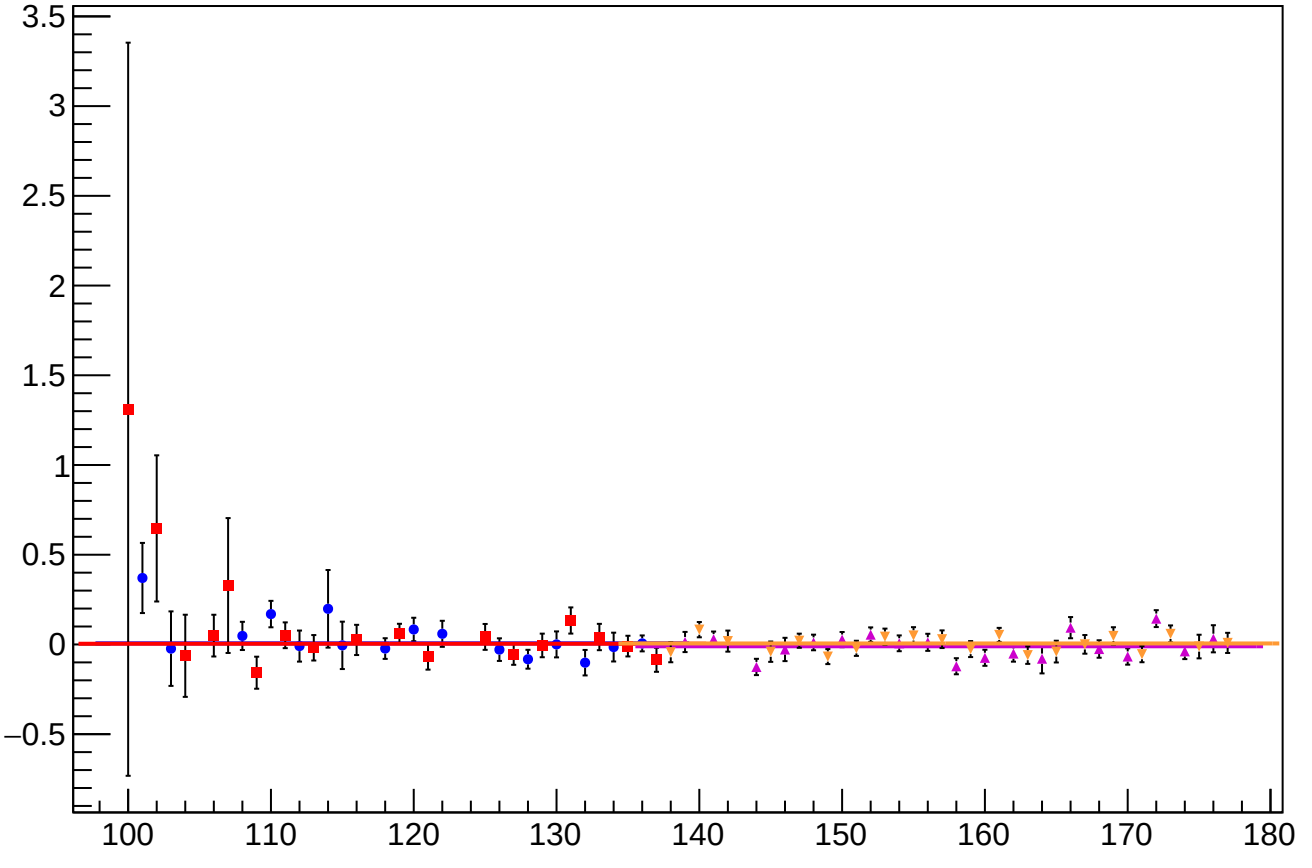
Right: 0.002+/-0.000 χ^2/NDF: 8812145.3/33

In: 0.001+/-0.000 χ^2/NDF:14375852.7/34

Out: 0.001+/-0.000 χ^2/NDF:16653436.0/37

All: 0.001+/-0.000 χ^2/NDF: 32318908.0/72

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: 0.006+/-0.011 χ^2/NDF:18.4/19

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.010+/-0.011 χ^2/NDF:37.4/18

Left: -0.002+/-0.008 χ^2/NDF: 56.9/38

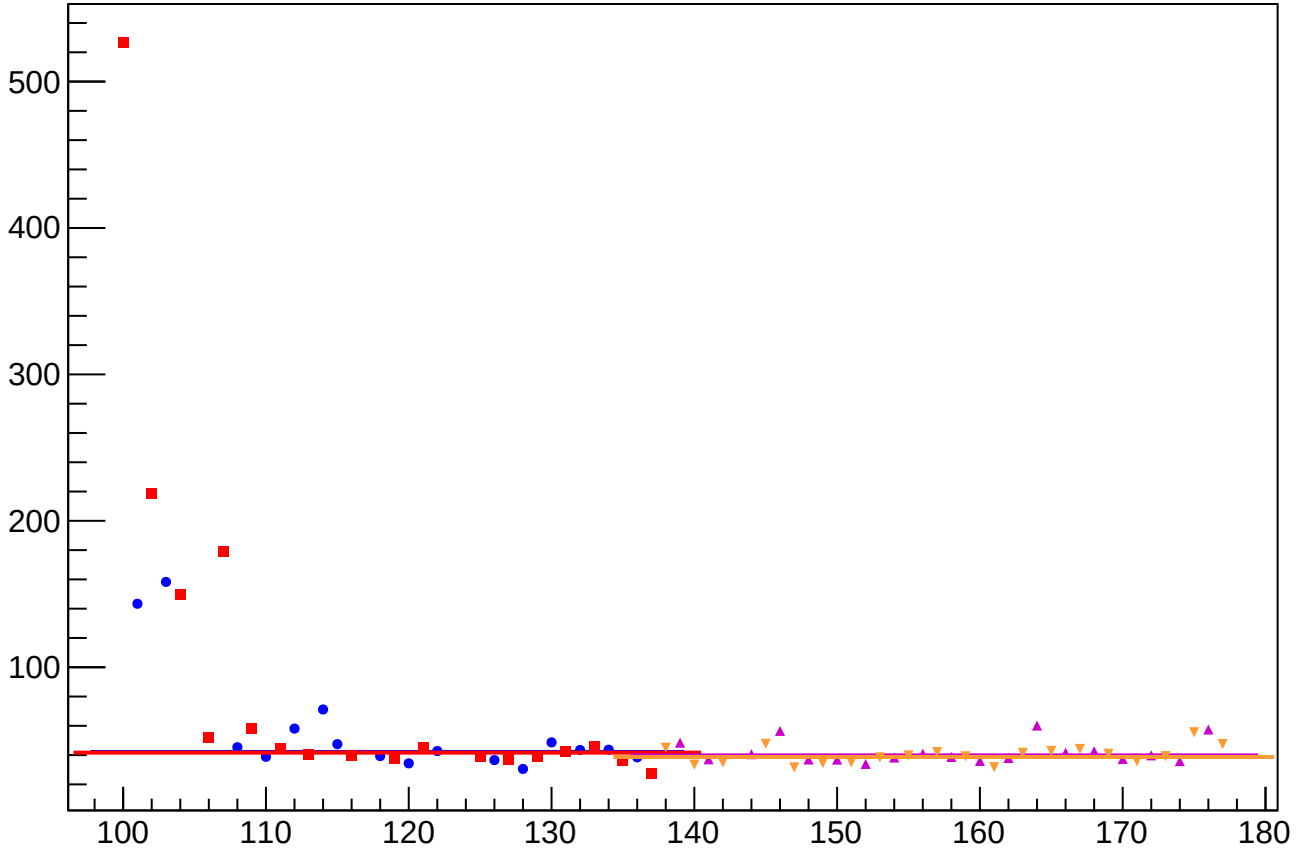
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.006+/-0.009 χ^2/NDF:55.2/34

Out: 0.005+/-0.009 χ^2/NDF:34.7/37

All: -0.000+/-0.007 χ^2/NDF: 90.6/72

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 38.722+/-0.008 χ^2/NDF:520845.5/19

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.823+/-0.008 χ^2/NDF:533265.0/18

Left: 39.255+/-0.005 χ^2/NDF: 1064384.1/38

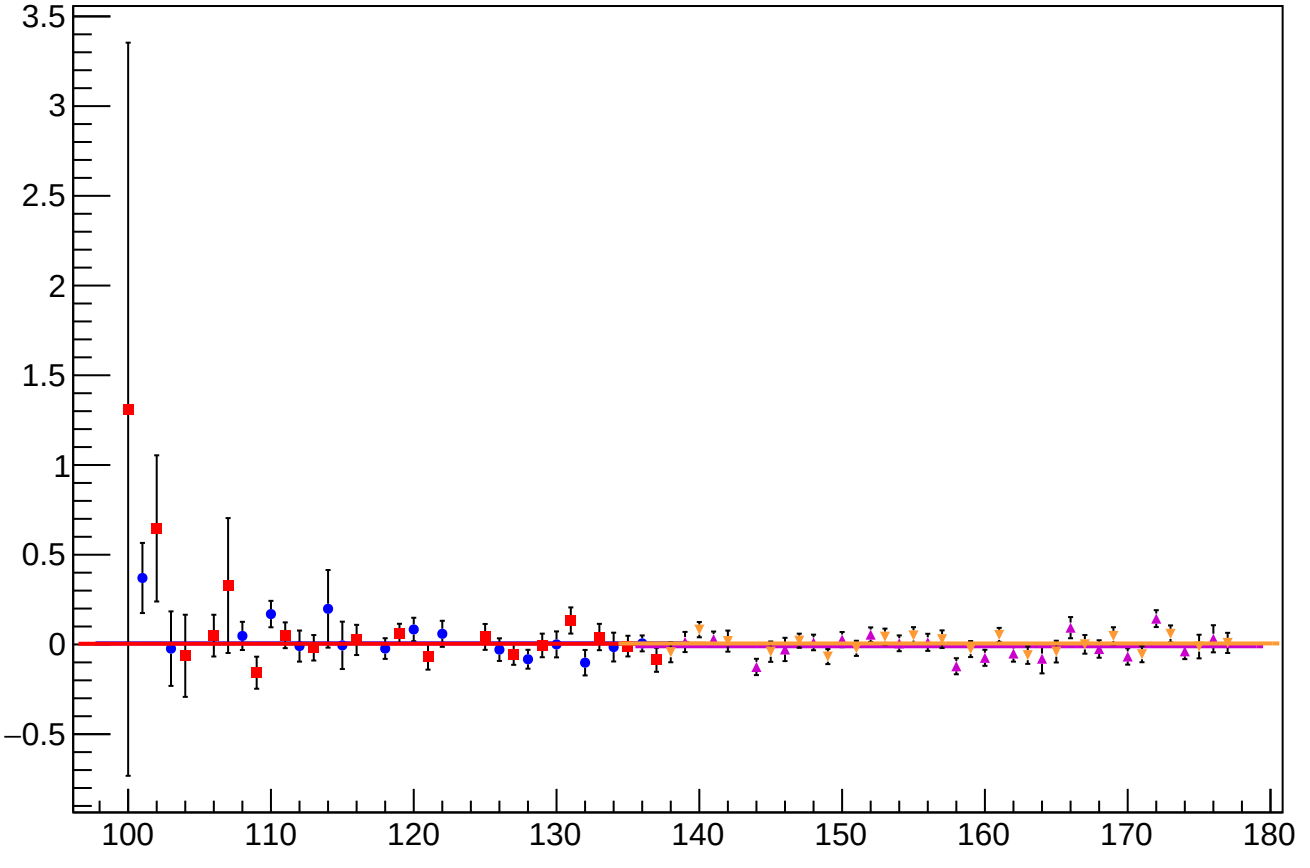
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.448+/-0.007 χ^2/NDF:2011935.6/34

Out: 39.460+/-0.007 χ^2/NDF:2000412.6/37

All: 39.945+/-0.005 χ^2/NDF: 4023518.5/72

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: 0.006+/-0.011 χ^2/NDF:18.4/19

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.010+/-0.011 χ^2/NDF:37.4/18

Left: -0.002+/-0.008 χ^2/NDF: 56.9/38

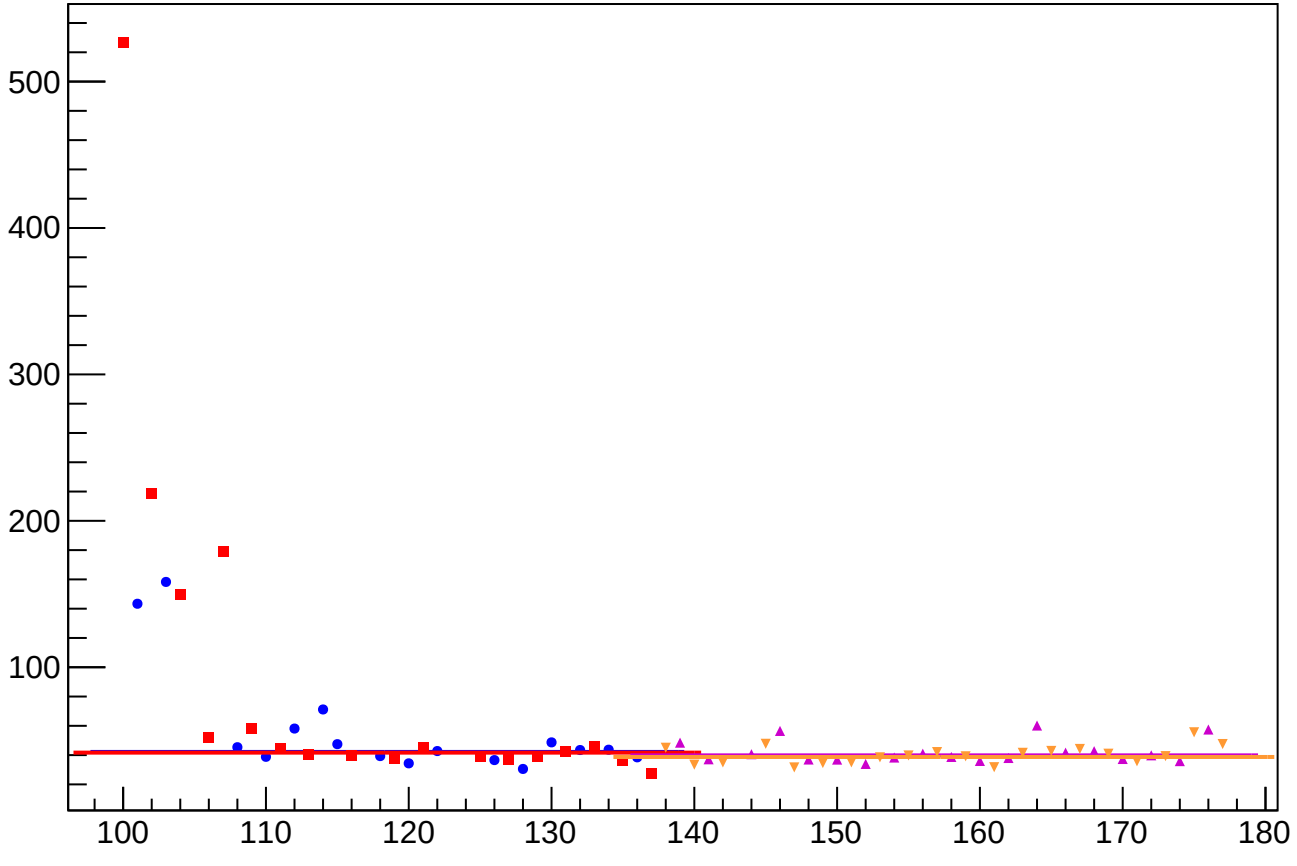
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.006+/-0.009 χ^2/NDF:55.2/34

Out: 0.005+/-0.009 χ^2/NDF:34.7/37

All: -0.000+/-0.007 χ^2/NDF: 90.6/72

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 38.722+/-0.008 χ^2/NDF:520845.5/19

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.823+/-0.008 χ^2/NDF:533265.0/18

Left: 39.255+/-0.005 χ^2/NDF: 1064384.1/38

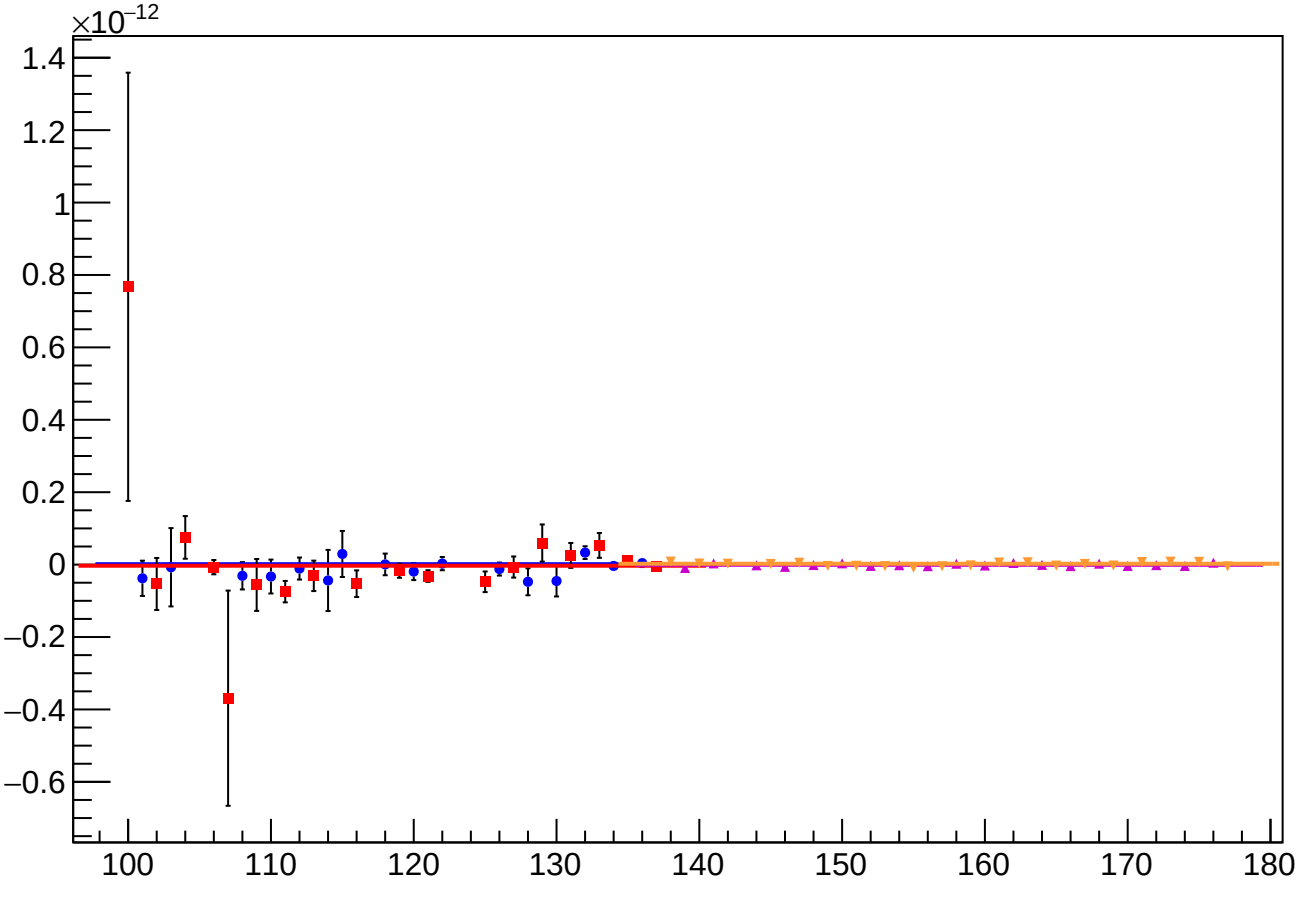
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.448+/-0.007 χ^2/NDF:2011935.6/34

Out: 39.460+/-0.007 χ^2/NDF:2000412.6/37

All: 39.945+/-0.005 χ^2/NDF: 4023518.5/72

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:24.4/19

Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: -0.000+/-0.000 χ^2/NDF:14.2/18

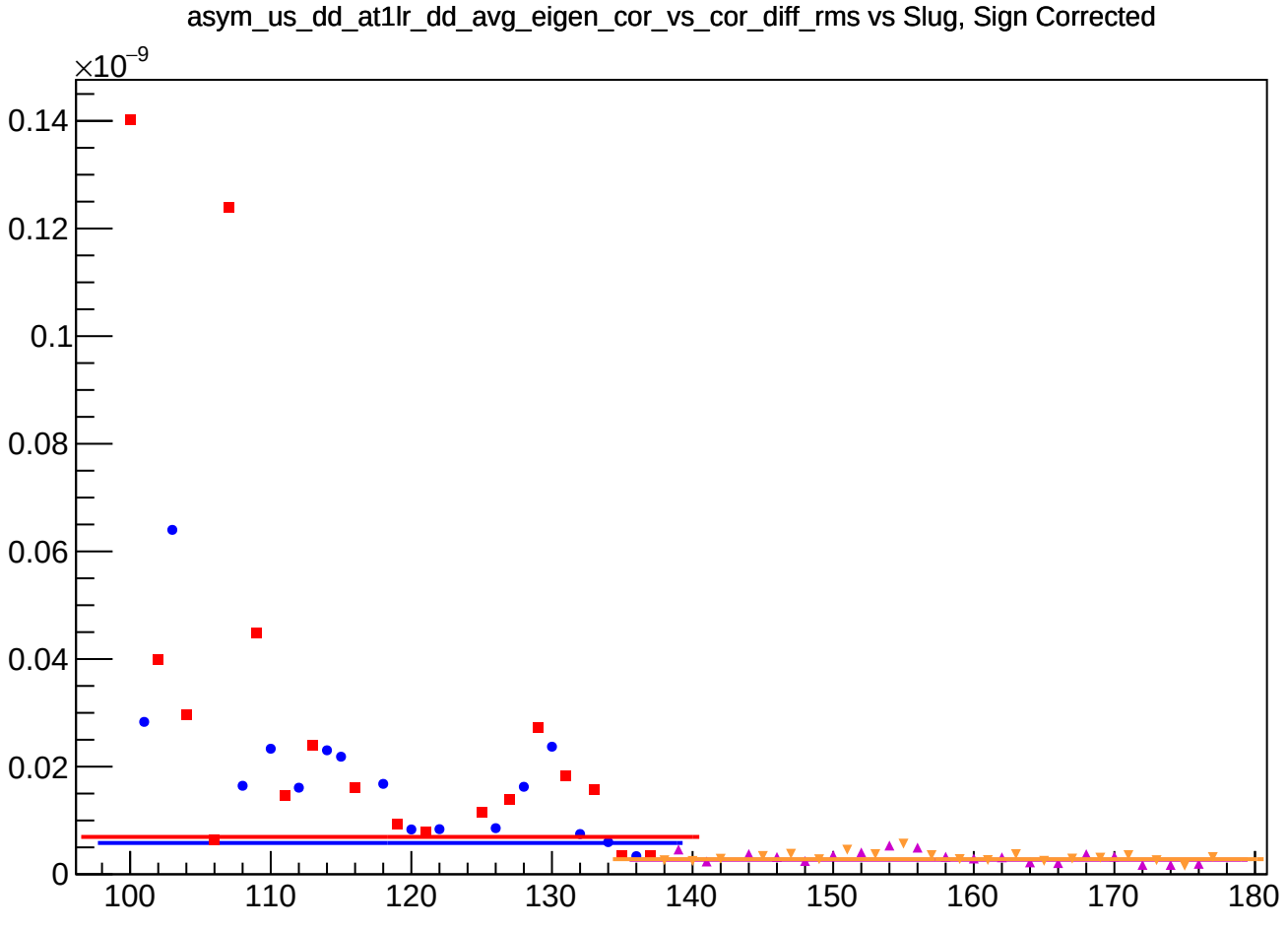
Left: 0.000+/-0.000 χ^2/NDF: 43.0/38

Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:24.9/34

Out: 0.000+/-0.000 χ^2/NDF:54.4/37

All: 0.000+/-0.000 χ^2/NDF: 83.1/72



Right In: 0.000+/-0.000 χ^2/NDF: 3296021.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1272418.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3789910.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1720846.3/18

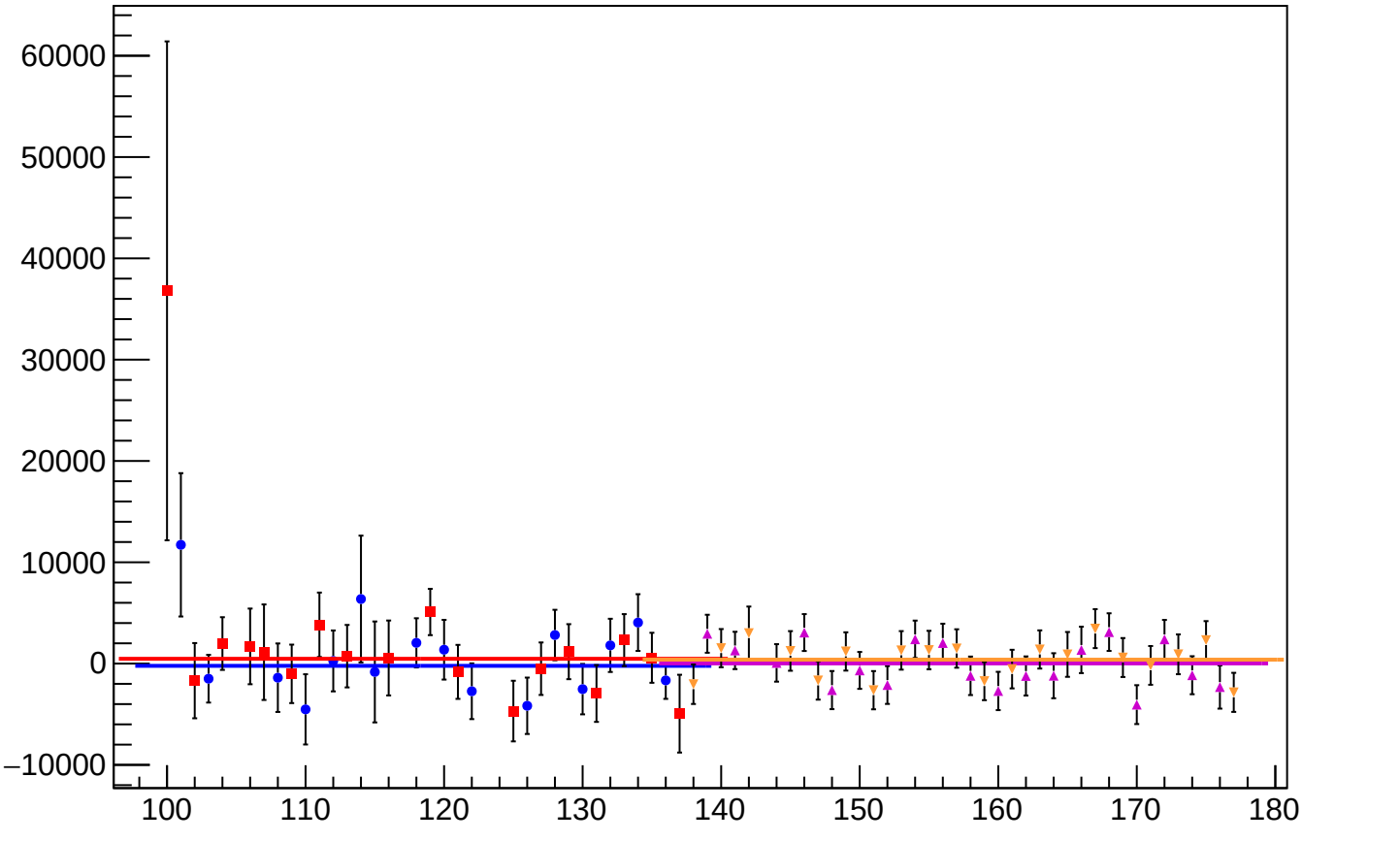
Left: 0.000+/-0.000 χ^2/NDF: 3005144.8/38

Right: 0.000+/-0.000 χ^2/NDF: 7152698.2/33

In: 0.000+/-0.000 χ^2/NDF:6211071.7/34

Out: 0.000+/-0.000 χ^2/NDF:6522979.7/37

All: 0.000+/-0.000 χ^2/NDF: 12744244.5/72



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 386.406+/-434.707 χ^2/NDF:16.2/19

Right Out: 472.410+/-711.475 χ^2/NDF: 15.9/17

Left In: 17.605+/-439.779 χ^2/NDF:25.8/18

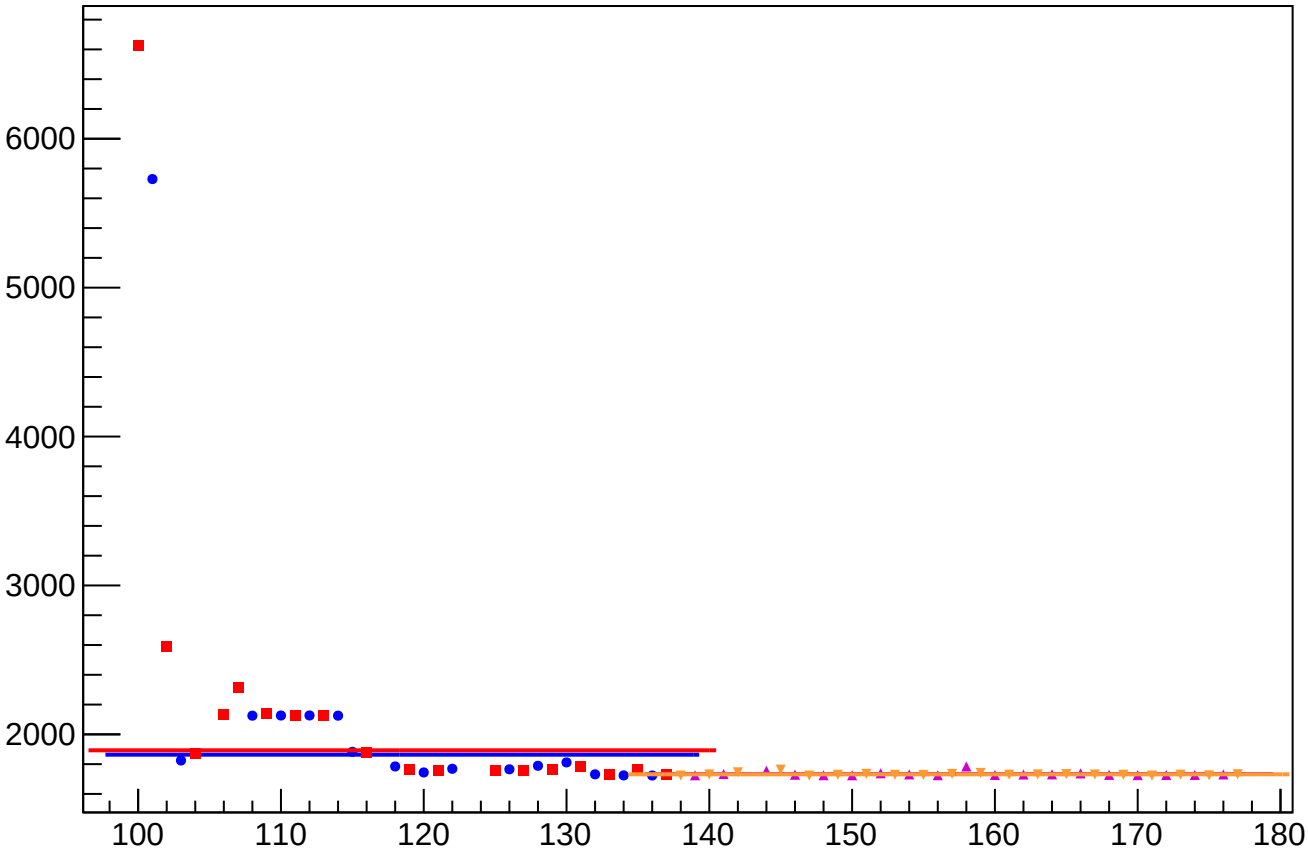
Left: 204.144+/-309.162 χ^2/NDF: 42.4/38

Right: 123.577+/-502.265 χ^2/NDF: 32.2/33

In: -49.220+/-373.744 χ^2/NDF:41.8/34

Out: 409.785+/-370.947 χ^2/NDF:32.1/37

All: 182.006+/-263.283 χ^2/NDF: 74.6/72



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1731.563+/-0.307 χ^2/NDF:811.8/19

Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1733.726+/-0.311 χ^2/NDF:2042.0/18

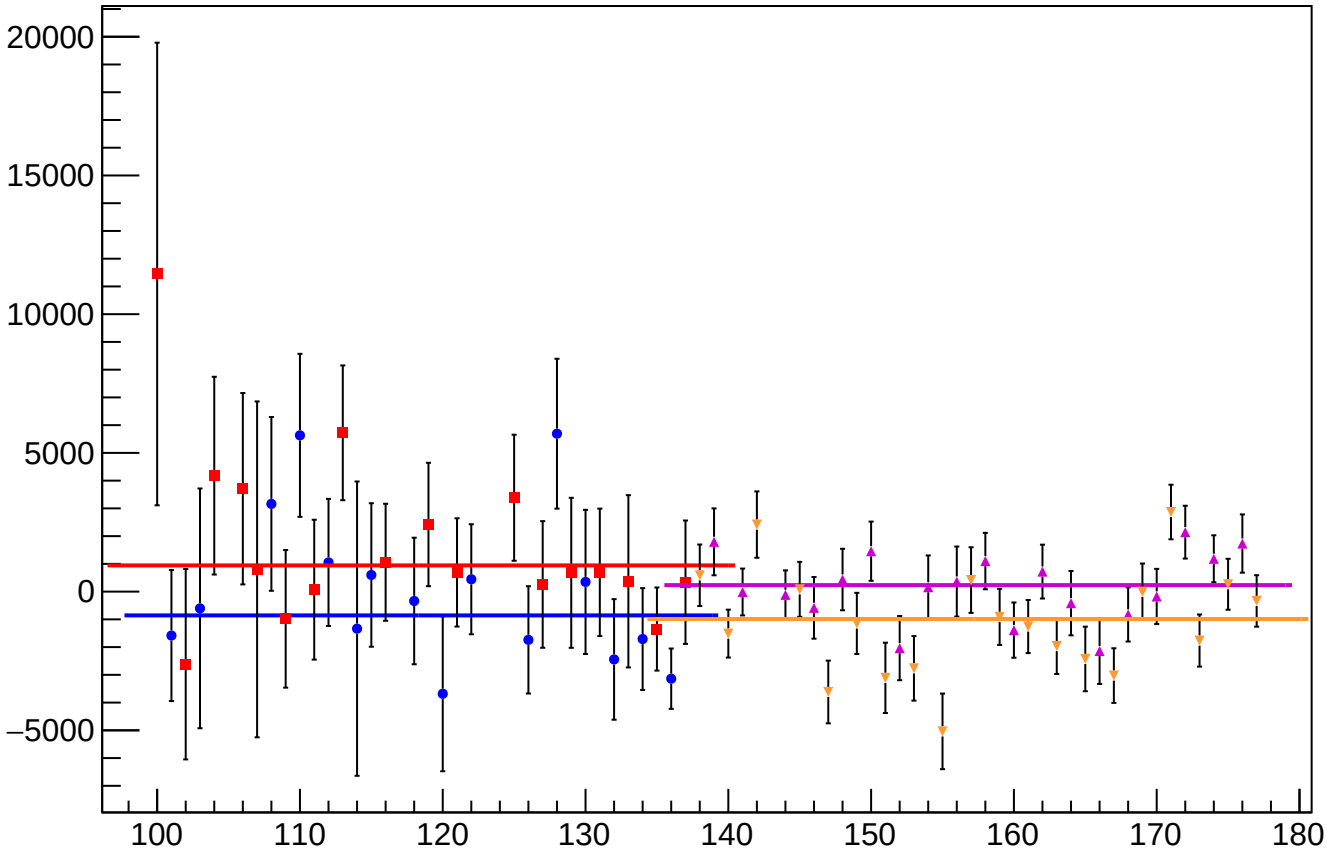
Left: 1732.632+/-0.219 χ^2/NDF: 2878.3/38

Right: 1878.175+/-0.355 χ^2/NDF: 927878.2/33

In: 1769.795+/-0.264 χ^2/NDF:725141.3/34

Out: 1775.410+/-0.262 χ^2/NDF:327180.9/37

All: 1772.624+/-0.186 χ^2/NDF: 1052549.6/72



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: -987.479+/-233.139 χ^2/NDF:58.7/19

Right Out: 944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: 234.141+/-235.865 χ^2/NDF:24.3/18

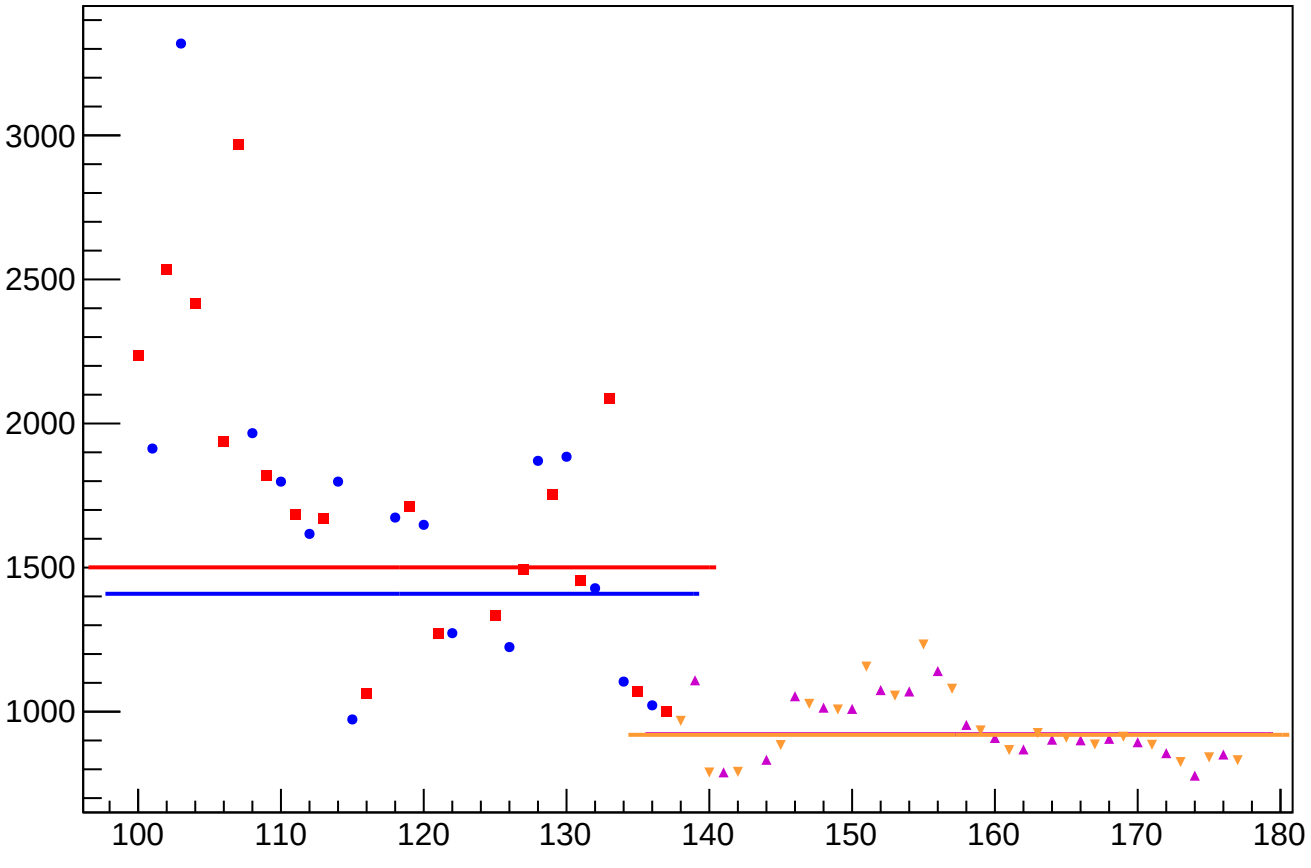
Left: -383.770+/-165.809 χ^2/NDF: 96.5/38

Right: -10.558+/-400.298 χ^2/NDF: 38.6/33

In: 64.489+/-216.760 χ^2/NDF:48.2/34

Out: -721.851+/-216.521 χ^2/NDF:81.0/37

All: -329.114+/-153.188 χ^2/NDF: 135.8/72



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 919.705+/-0.165 χ^2/NDF:410241.9/19

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

Left In: 922.002+/-0.167 χ^2/NDF:389795.3/18

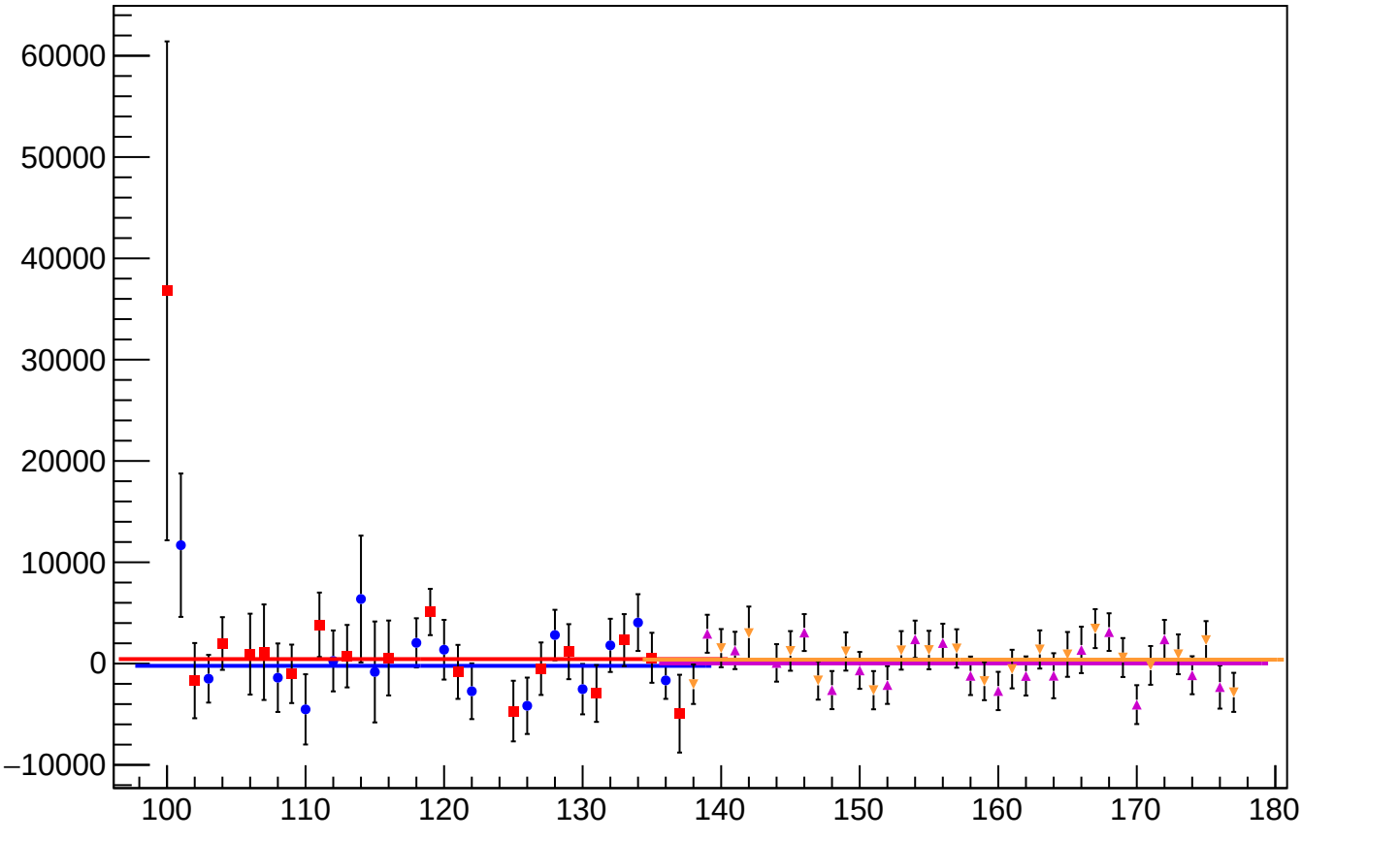
Left: 920.840+/-0.117 χ^2/NDF: 800133.1/38

Right: 1452.187+/-0.283 χ^2/NDF: 2224621.1/33

In: 997.715+/-0.153 χ^2/NDF:2883340.8/34

Out: 999.591+/-0.153 χ^2/NDF:3149138.9/37

All: 998.654+/-0.108 χ^2/NDF: 6032554.6/72



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 386.476+/-434.707 χ^2/NDF:16.2/19

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 17.644+/-439.779 χ^2/NDF:25.8/18

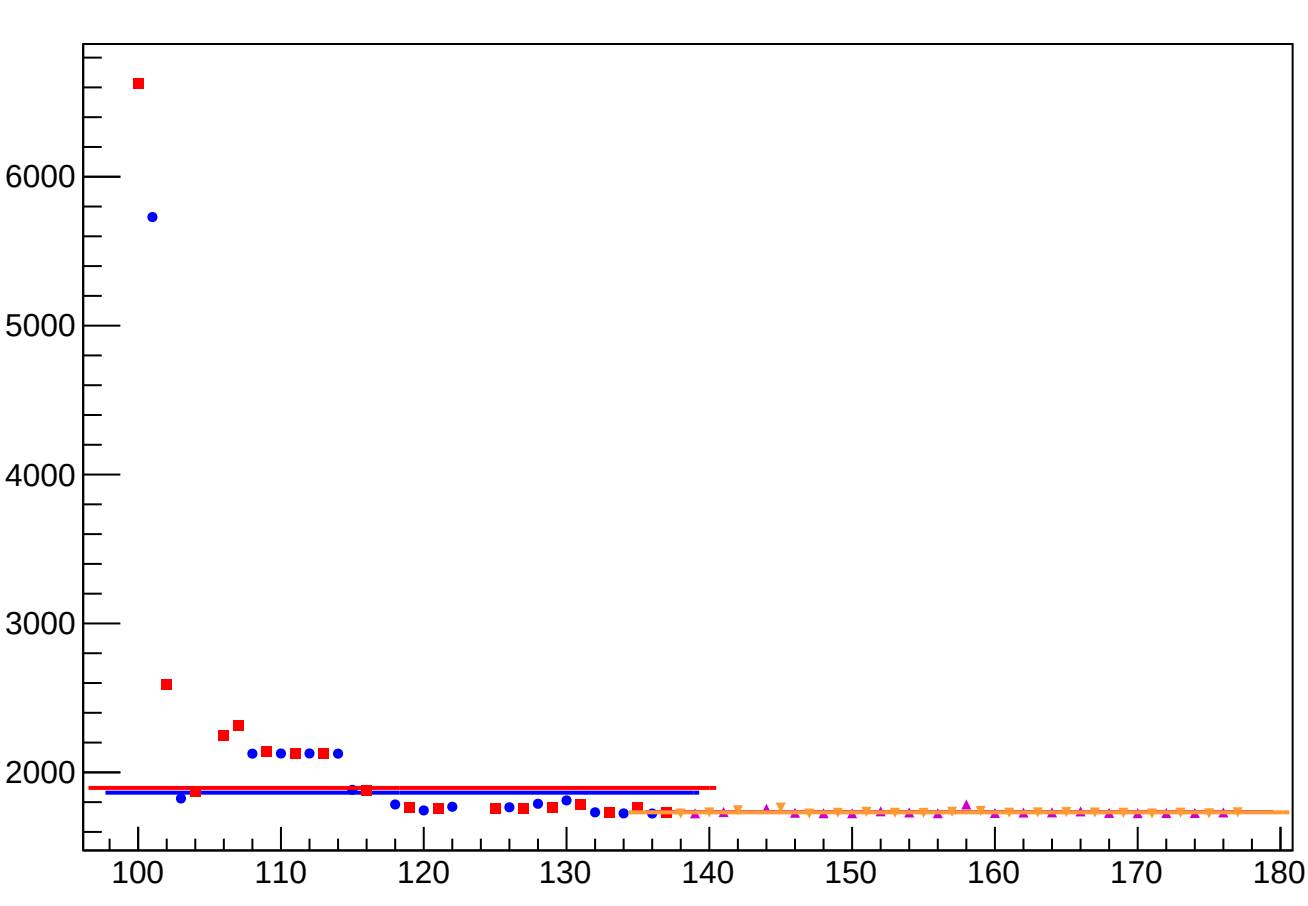
Left: 204.199+/-309.162 χ^2/NDF: 42.4/38

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: -49.407+/-373.744 χ^2/NDF:41.7/34

Out: 401.796+/-371.177 χ^2/NDF:32.0/37

All: 177.750+/-263.365 χ^2/NDF: 74.5/72



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1731.563+/-0.307 χ^2/NDF:811.8/19

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.726+/-0.311 χ^2/NDF:2042.0/18

Left: 1732.632+/-0.219 χ^2/NDF: 2878.3/38

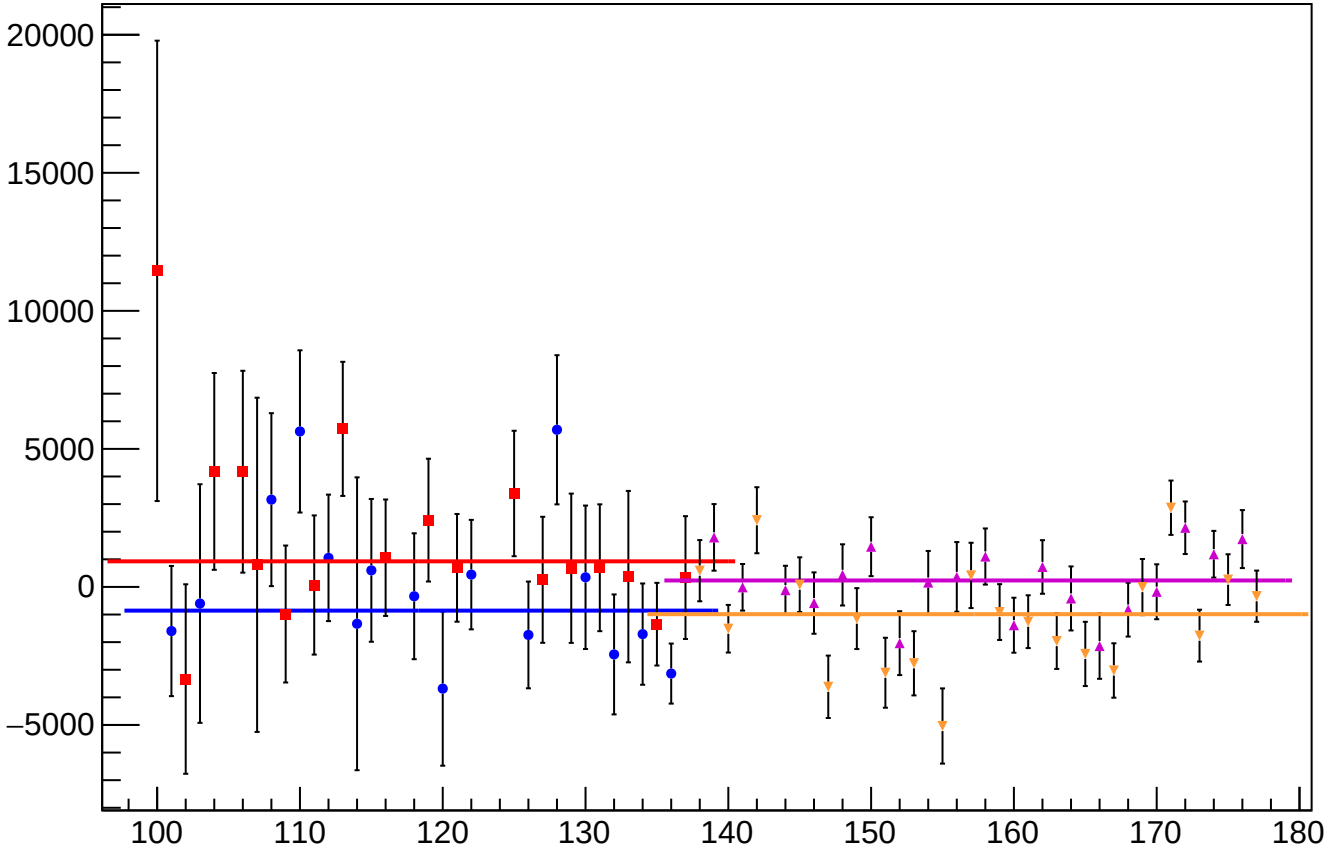
Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1769.795+/-0.264 χ^2/NDF:725141.1/34

Out: 1775.976+/-0.262 χ^2/NDF:337040.2/37

All: 1772.907+/-0.186 χ^2/NDF: 1062456.8/72

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: -987.480+/-233.139 χ^2/NDF:58.7/19

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 234.139+/-235.863 χ^2/NDF:24.3/18

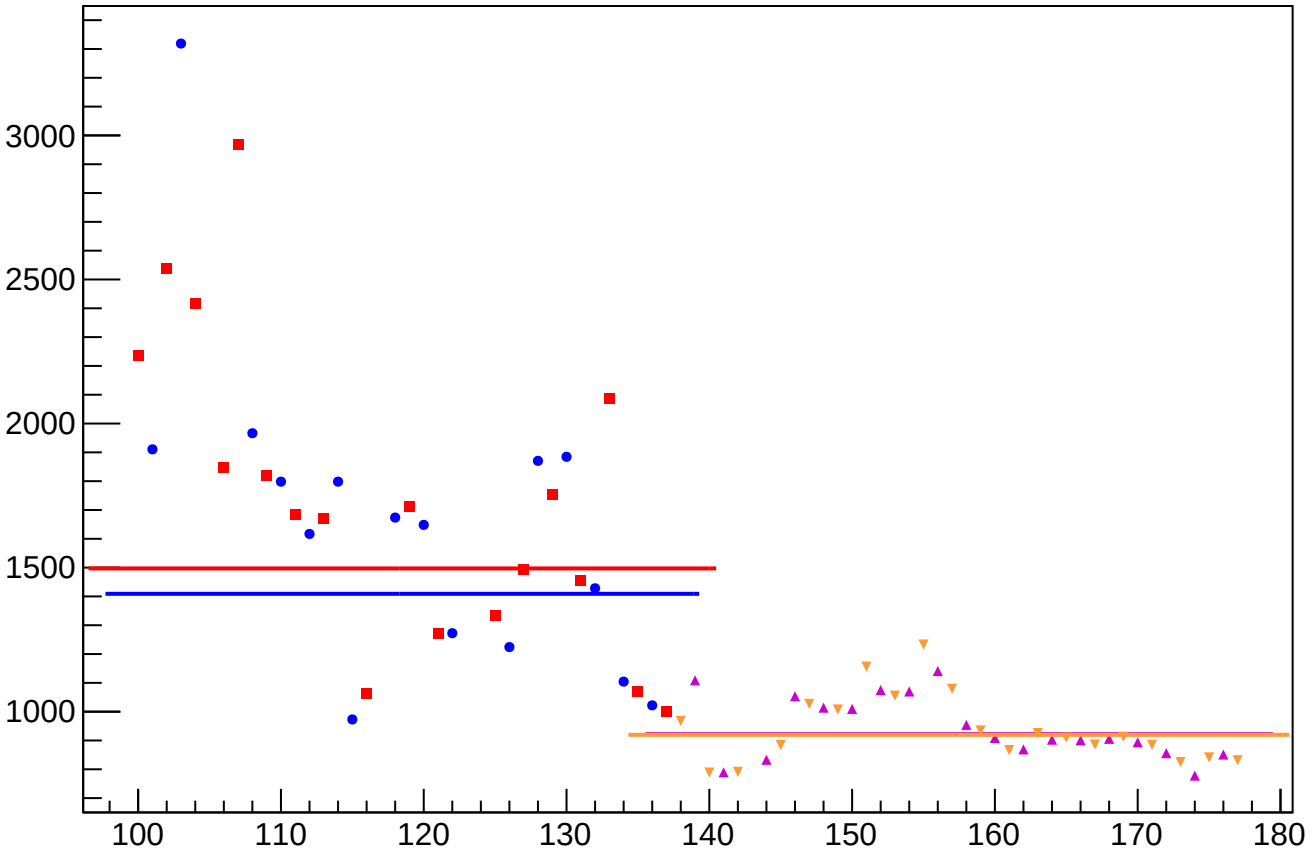
Left: -383.767+/-165.809 χ^2/NDF: 96.5/38

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: 64.339+/-216.756 χ^2/NDF:48.2/34

Out: -724.973+/-216.568 χ^2/NDF:81.4/37

All: -330.660+/-153.203 χ^2/NDF: 136.3/72



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 919.707+/-0.165 χ^2/NDF:410204.4/19

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 921.996+/-0.167 χ^2/NDF:389818.2/18

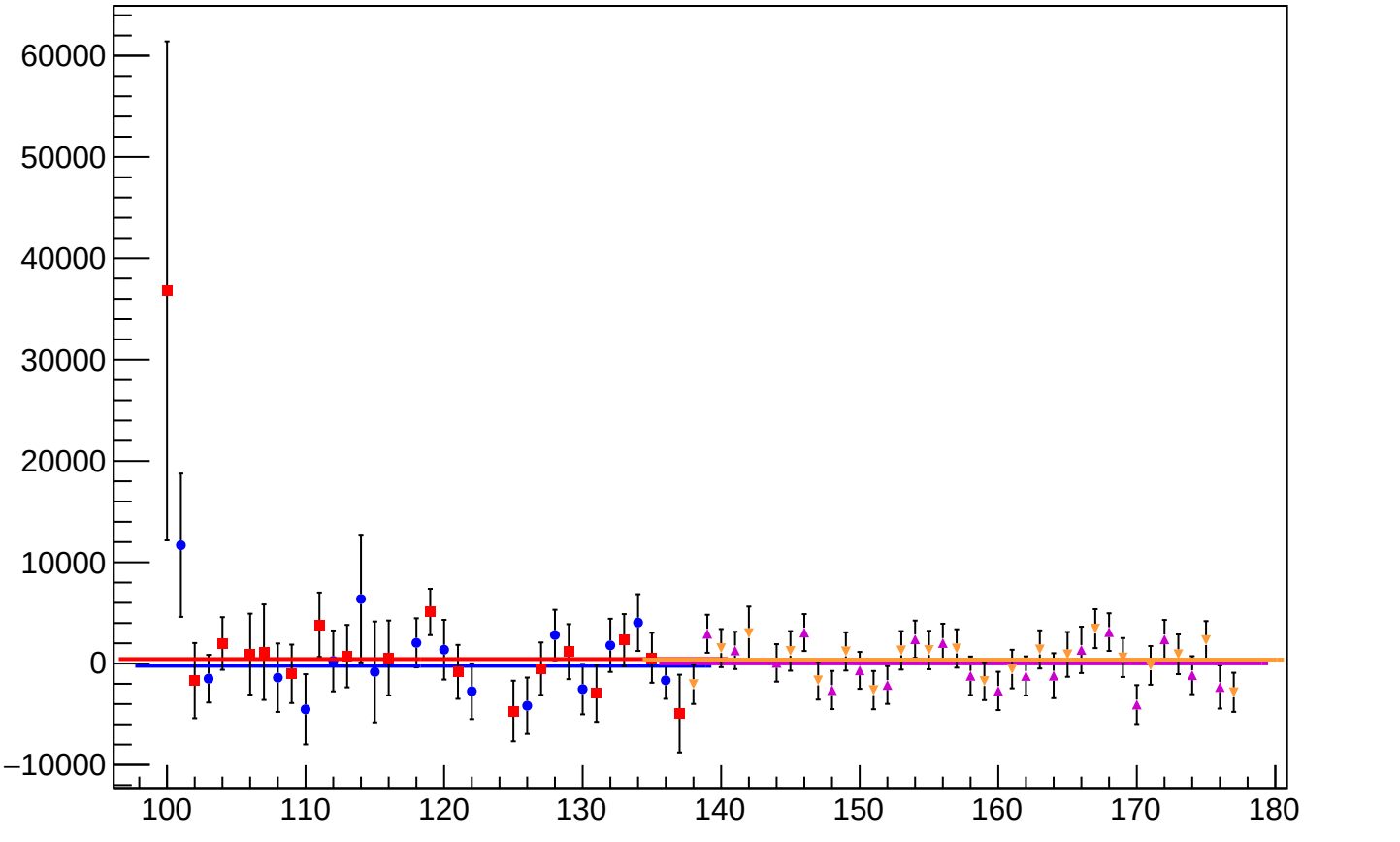
Left: 920.838+/-0.117 χ^2/NDF: 800117.9/38

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 997.708+/-0.153 χ^2/NDF:2882508.0/34

Out: 998.875+/-0.153 χ^2/NDF:3110472.4/37

All: 998.292+/-0.108 χ^2/NDF: 5993009.5/72



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 386.476+/-434.707 χ^2/NDF:16.2/19

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 17.644+/-439.779 χ^2/NDF:25.8/18

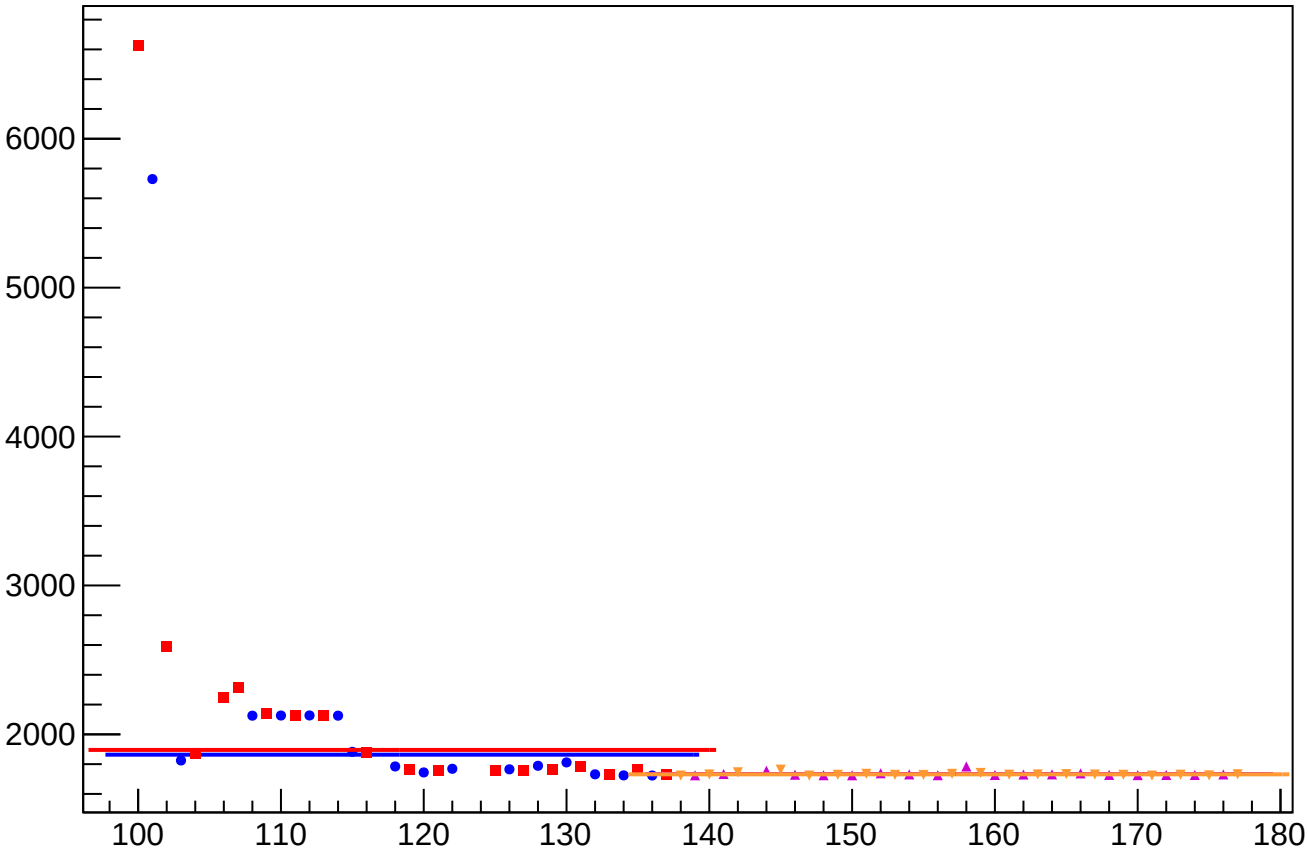
Left: 204.199+/-309.162 χ^2/NDF: 42.4/38

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: -49.407+/-373.744 χ^2/NDF:41.7/34

Out: 401.796+/-371.177 χ^2/NDF:32.0/37

All: 177.750+/-263.365 χ^2/NDF: 74.5/72



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1731.563+/-0.307 χ^2/NDF:811.8/19

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.726+/-0.311 χ^2/NDF:2042.0/18

Left: 1732.632+/-0.219 χ^2/NDF: 2878.3/38

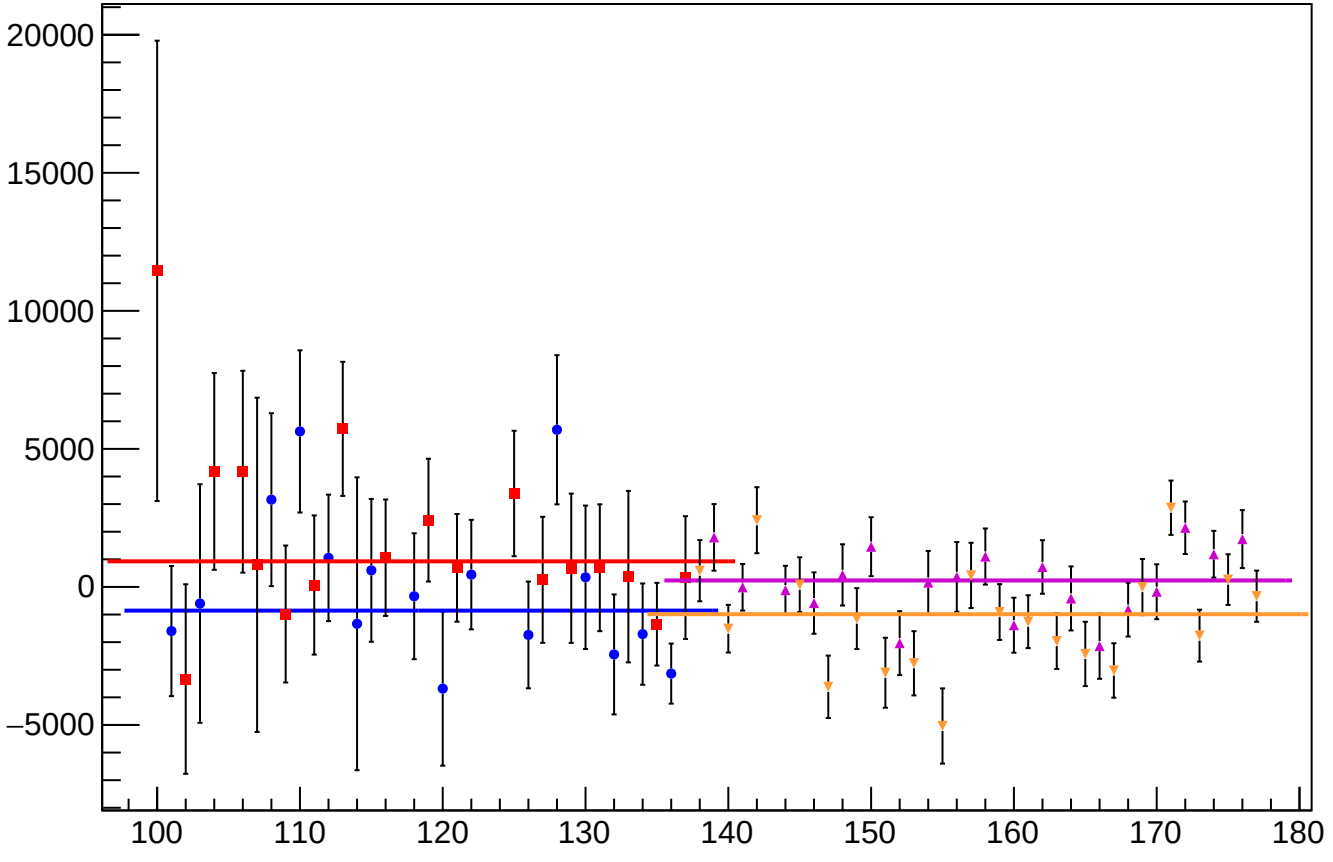
Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1769.795+/-0.264 χ^2/NDF:725141.1/34

Out: 1775.976+/-0.262 χ^2/NDF:337040.2/37

All: 1772.907+/-0.186 χ^2/NDF: 1062456.8/72

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: -987.480+/-233.139 χ^2/NDF:58.7/19

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 234.139+/-235.863 χ^2/NDF:24.3/18

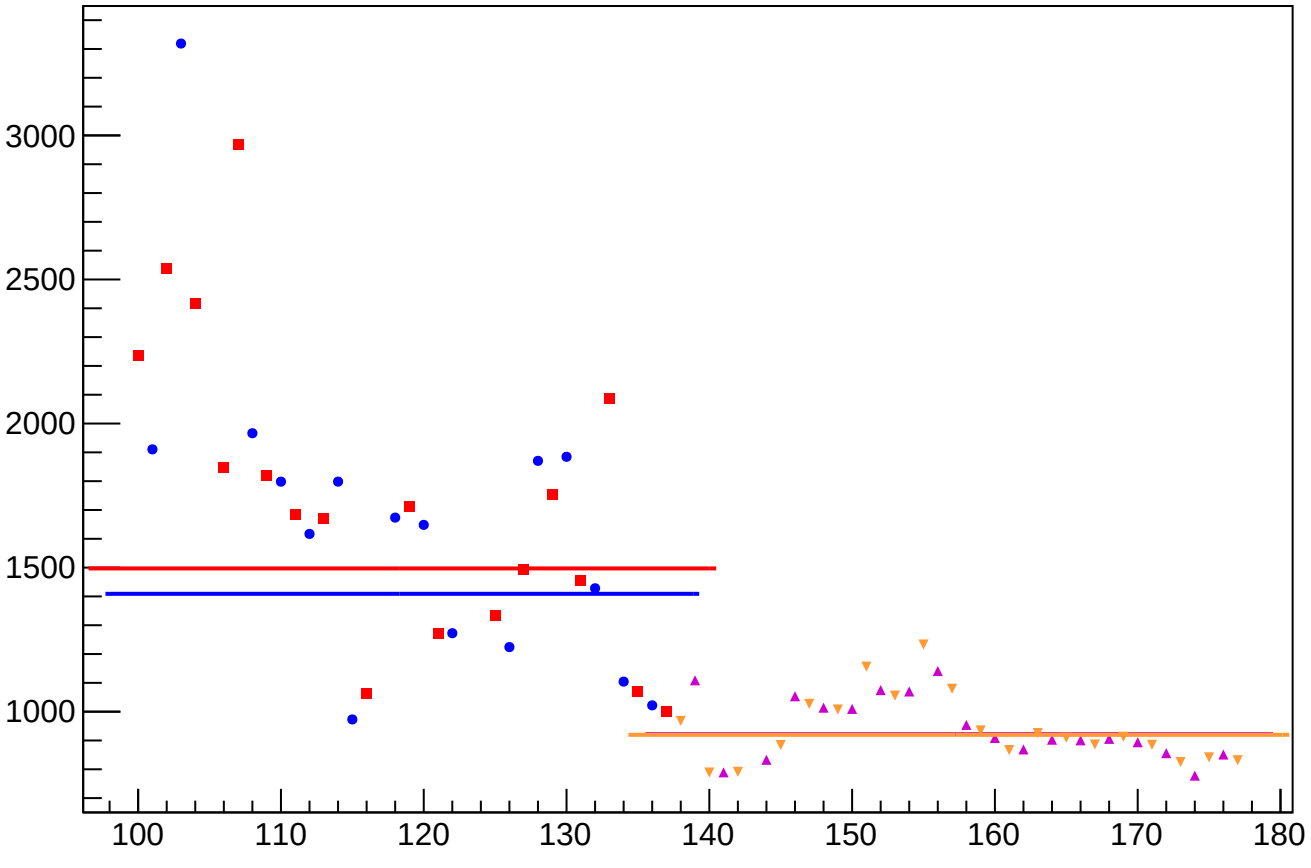
Left: -383.767+/-165.809 χ^2/NDF: 96.5/38

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: 64.339+/-216.756 χ^2/NDF:48.2/34

Out: -724.973+/-216.568 χ^2/NDF:81.4/37

All: -330.660+/-153.203 χ^2/NDF: 136.3/72



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 919.707+/-0.165 χ^2/NDF:410204.4/19

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 921.996+/-0.167 χ^2/NDF:389818.2/18

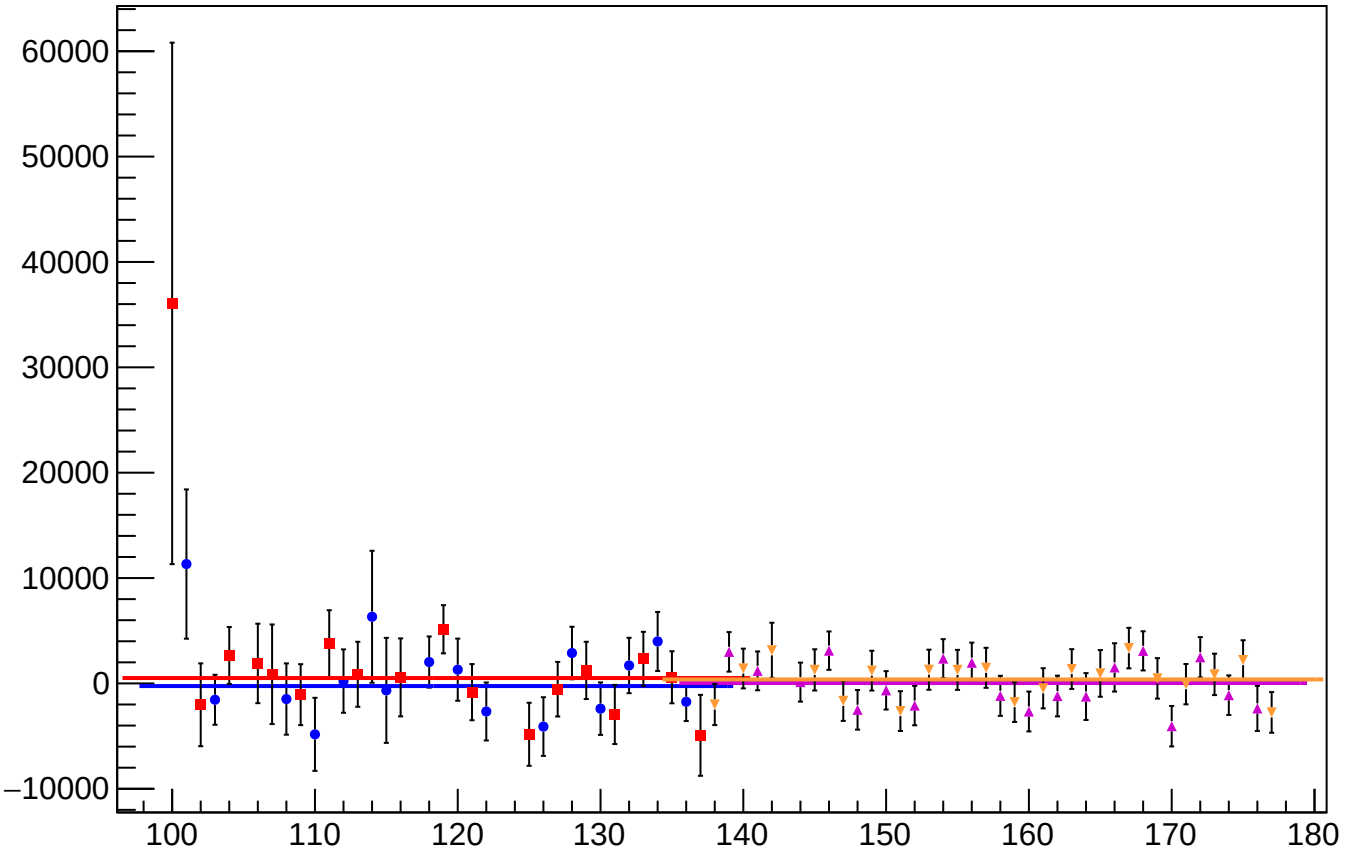
Left: 920.838+/-0.117 χ^2/NDF: 800117.9/38

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 997.708+/-0.153 χ^2/NDF:2882508.0/34

Out: 998.875+/-0.153 χ^2/NDF:3110472.4/37

All: 998.292+/-0.108 χ^2/NDF: 5993009.5/72



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: 379.591+/-434.964 χ^2/NDF:15.7/19

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 34.975+/-440.072 χ^2/NDF:25.8/18

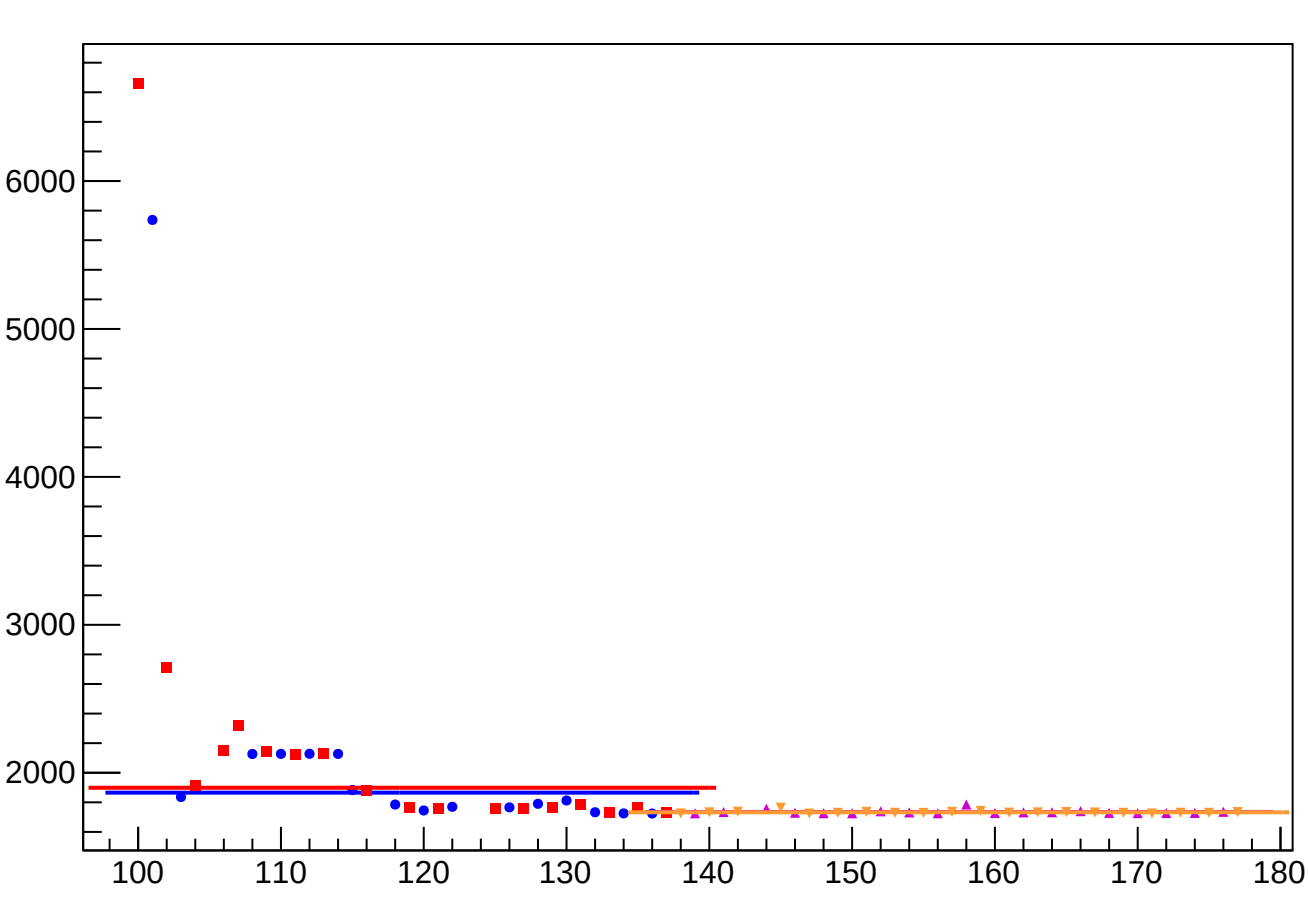
Left: 209.295+/-309.356 χ^2/NDF: 41.8/38

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: -44.686+/-374.045 χ^2/NDF:41.5/34

Out: 414.816+/-371.666 χ^2/NDF:32.2/37

All: 186.531+/-263.644 χ^2/NDF: 74.4/72



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1732.554+/-0.308 χ^2/NDF:732.4/19

Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1734.882+/-0.311 χ^2/NDF:2033.2/18

Left: 1733.705+/-0.219 χ^2/NDF: 2793.9/38

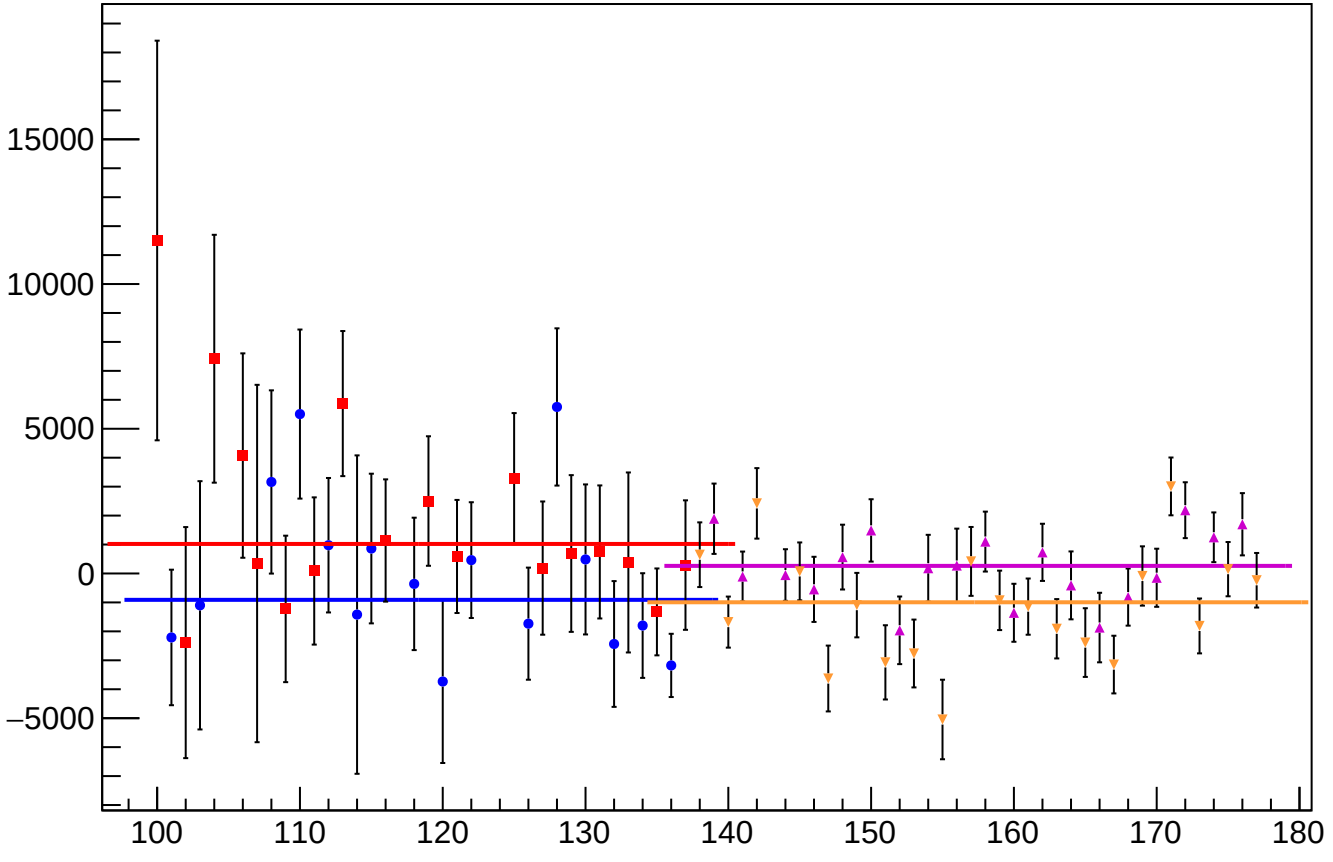
Right: 1881.894+/-0.356 χ^2/NDF: 946264.8/33

In: 1771.120+/-0.264 χ^2/NDF:725882.6/34

Out: 1777.366+/-0.263 χ^2/NDF:348502.1/37

All: 1774.263+/-0.186 χ^2/NDF: 1074665.3/72

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -910.955+/-550.836 χ^2/NDF: 21.0/15

Left Out: -995.180+/-236.216 χ^2/NDF:58.8/19

Right Out: 1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: 262.391+/-238.934 χ^2/NDF:23.0/18

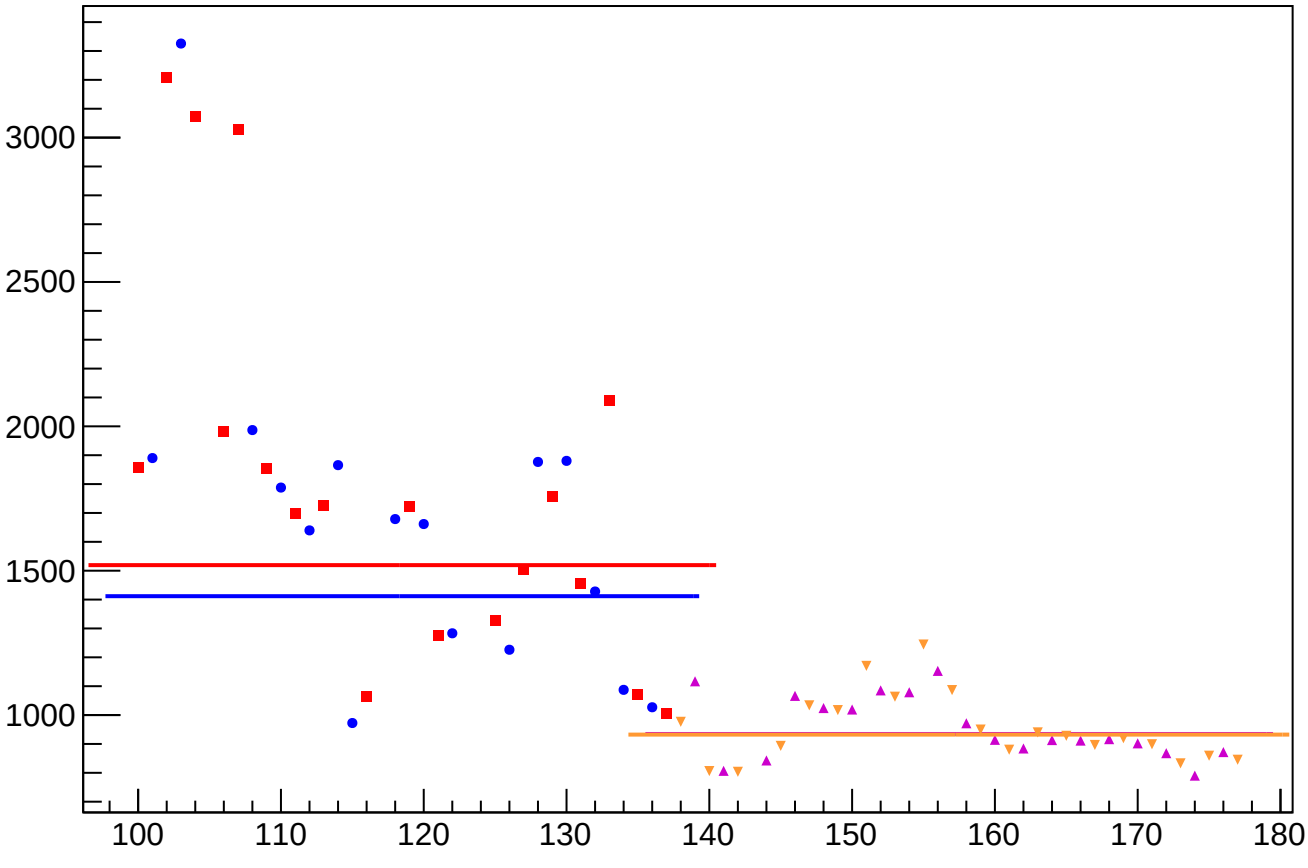
Left: -373.588+/-167.983 χ^2/NDF: 95.8/38

Right: -14.232+/-403.141 χ^2/NDF: 41.6/33

In: 76.583+/-219.201 χ^2/NDF:47.9/34

Out: -718.065+/-219.375 χ^2/NDF:83.7/37

All: -320.425+/-155.060 χ^2/NDF: 138.1/72



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 932.357+/-0.167 χ^2/NDF:390689.6/19

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

Left In: 934.494+/-0.169 χ^2/NDF:371673.0/18

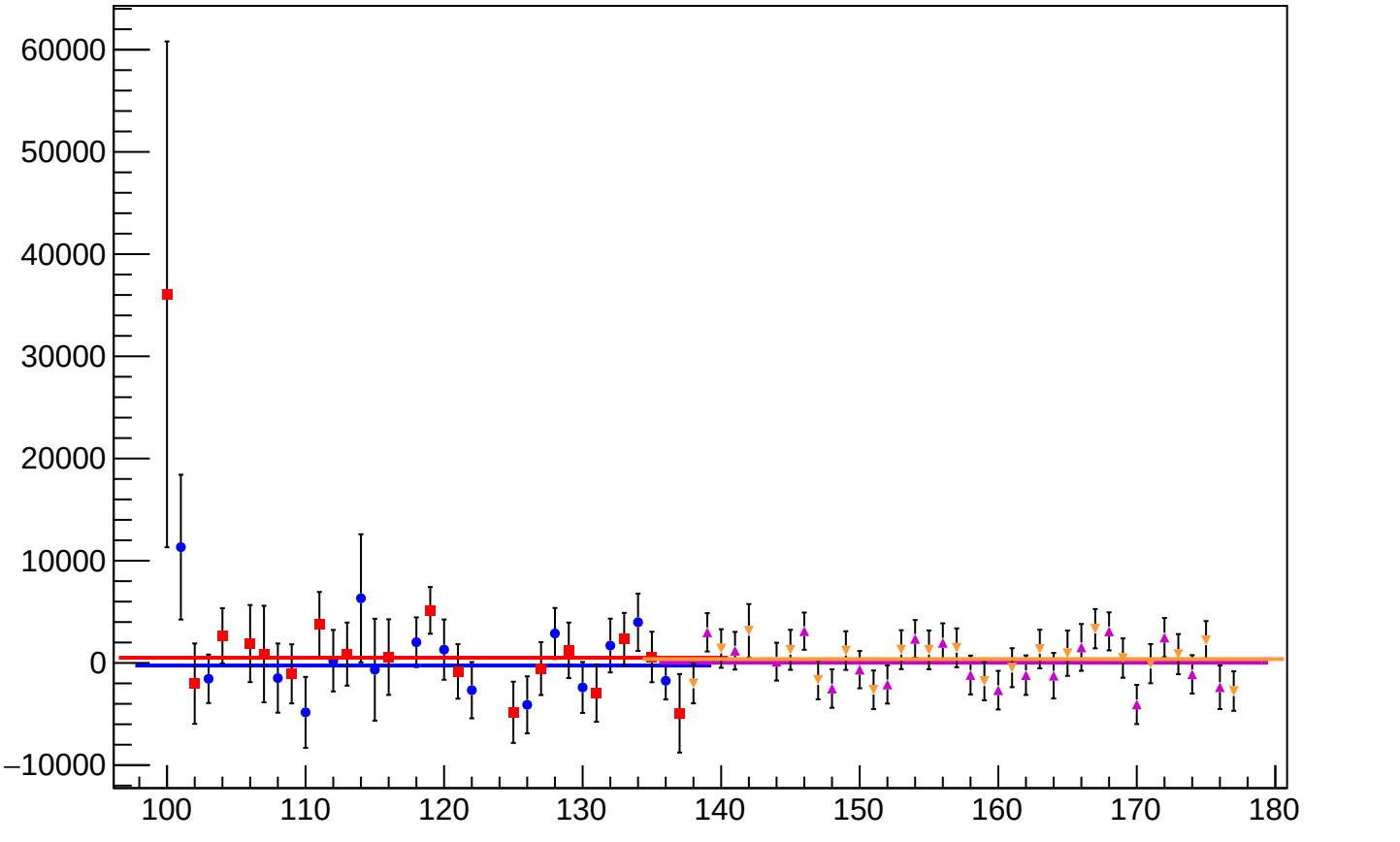
Left: 933.413+/-0.119 χ^2/NDF: 762443.6/38

Right: 1461.694+/-0.285 χ^2/NDF: 2573300.6/33

In: 1010.071+/-0.155 χ^2/NDF:2813023.8/34

Out: 1013.065+/-0.155 χ^2/NDF:3448805.0/37

All: 1011.567+/-0.110 χ^2/NDF: 6262015.3/72



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

Left Out: 379.590+/-434.964 χ^2/NDF:15.7/19

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 34.975+/-440.072 χ^2/NDF:25.8/18

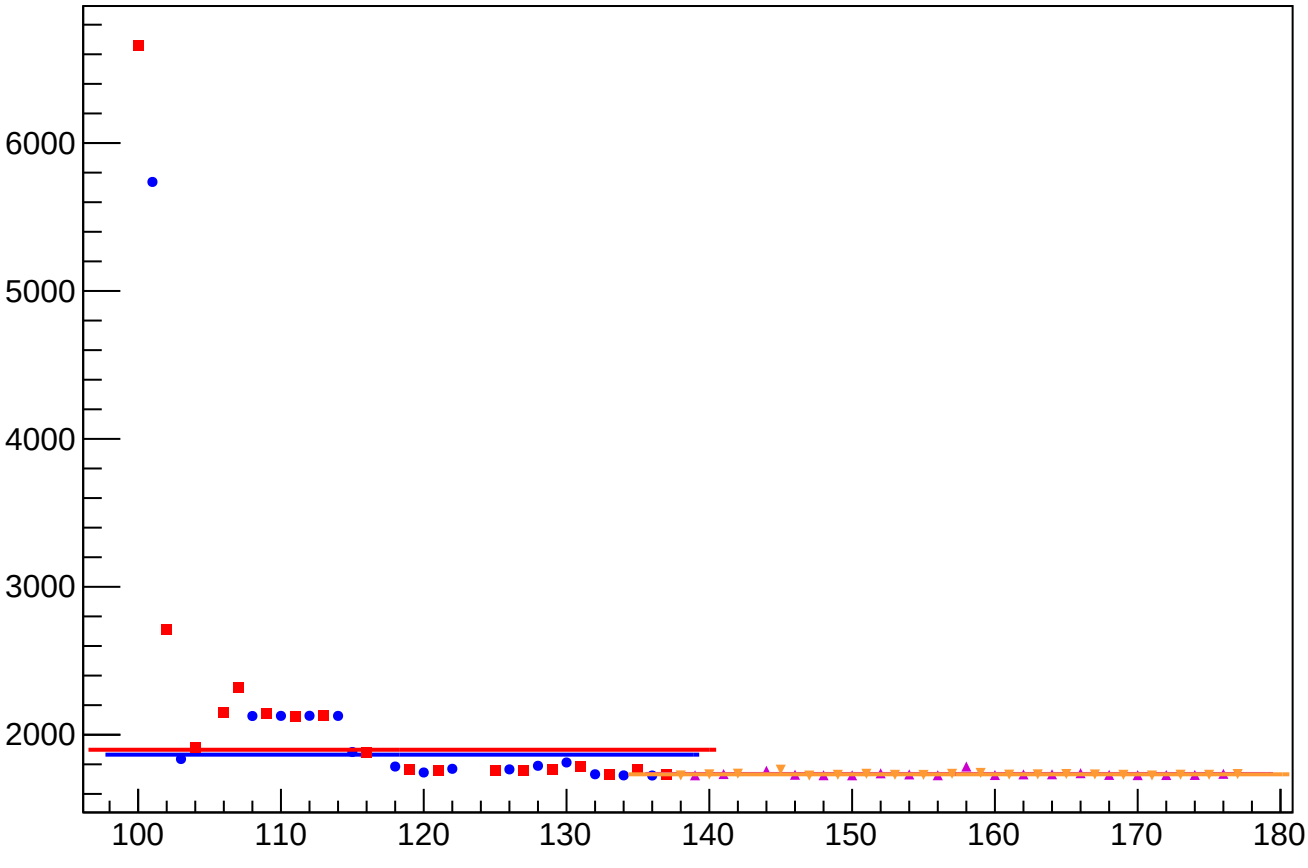
Left: 209.294+/-309.356 χ^2/NDF: 41.8/38

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: -44.685+/-374.045 χ^2/NDF:41.5/34

Out: 414.816+/-371.666 χ^2/NDF:32.2/37

All: 186.531+/-263.644 χ^2/NDF: 74.4/72



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1732.554+/-0.308 χ^2/NDF:732.4/19

Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

Left In: 1734.882+/-0.311 χ^2/NDF:2033.2/18

Left: 1733.705+/-0.219 χ^2/NDF: 2793.9/38

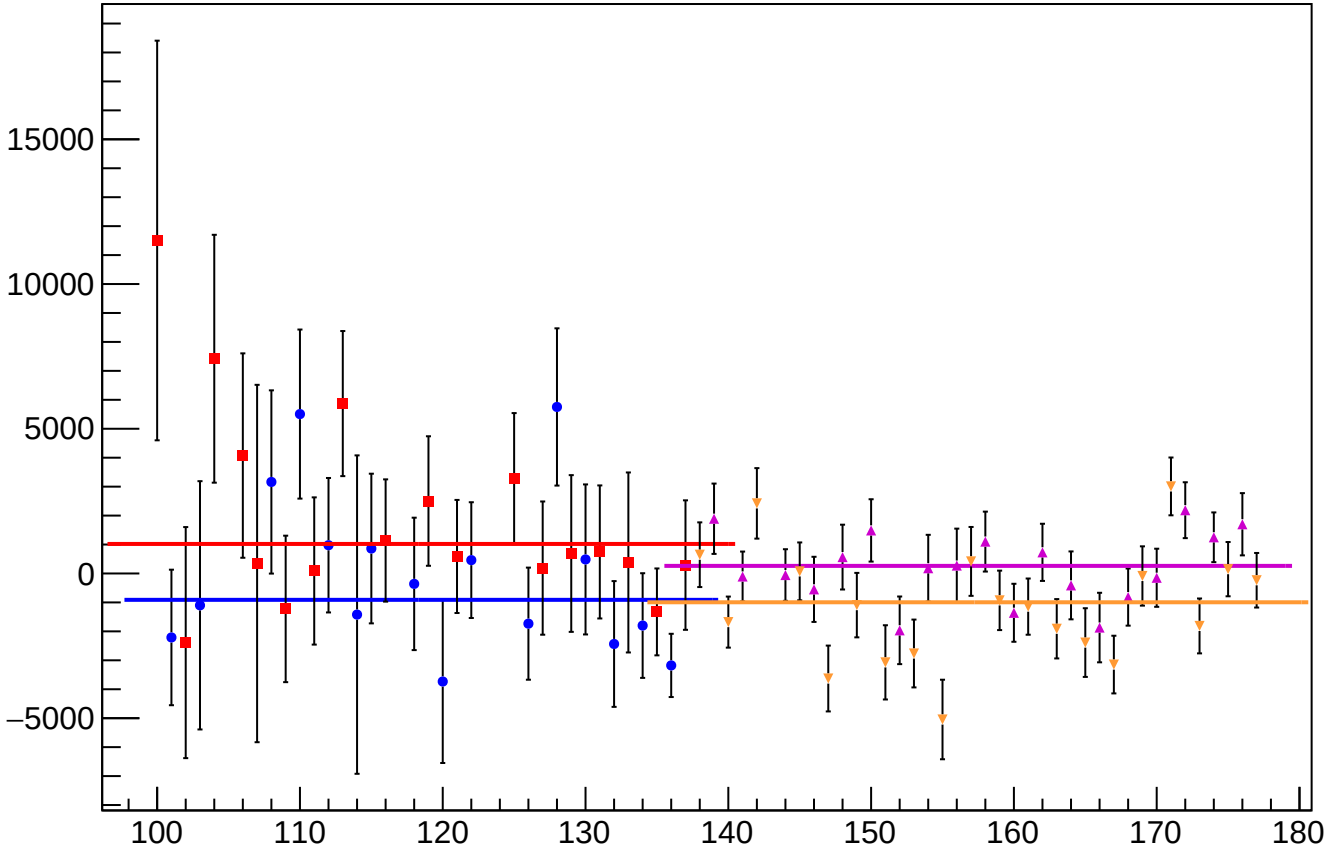
Right: 1881.894+/-0.356 χ^2/NDF: 946264.6/33

In: 1771.120+/-0.264 χ^2/NDF:725882.5/34

Out: 1777.366+/-0.263 χ^2/NDF:348501.8/37

All: 1774.263+/-0.186 χ^2/NDF: 1074664.9/72

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: -995.179+/-236.216 χ^2/NDF:58.8/19

Right Out: 1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: 262.389+/-238.934 χ^2/NDF:23.0/18

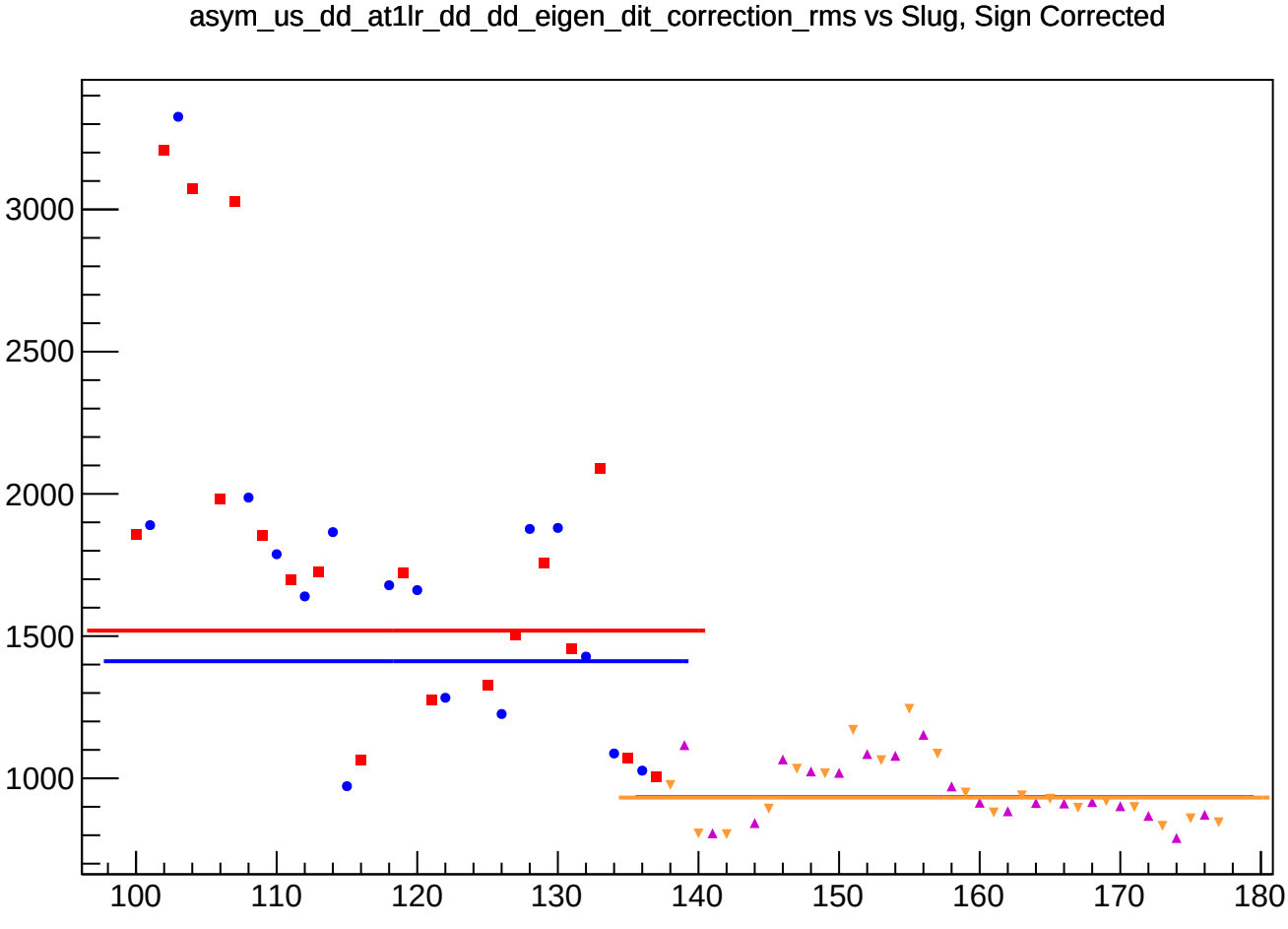
Left: -373.589+/-167.983 χ^2/NDF: 95.8/38

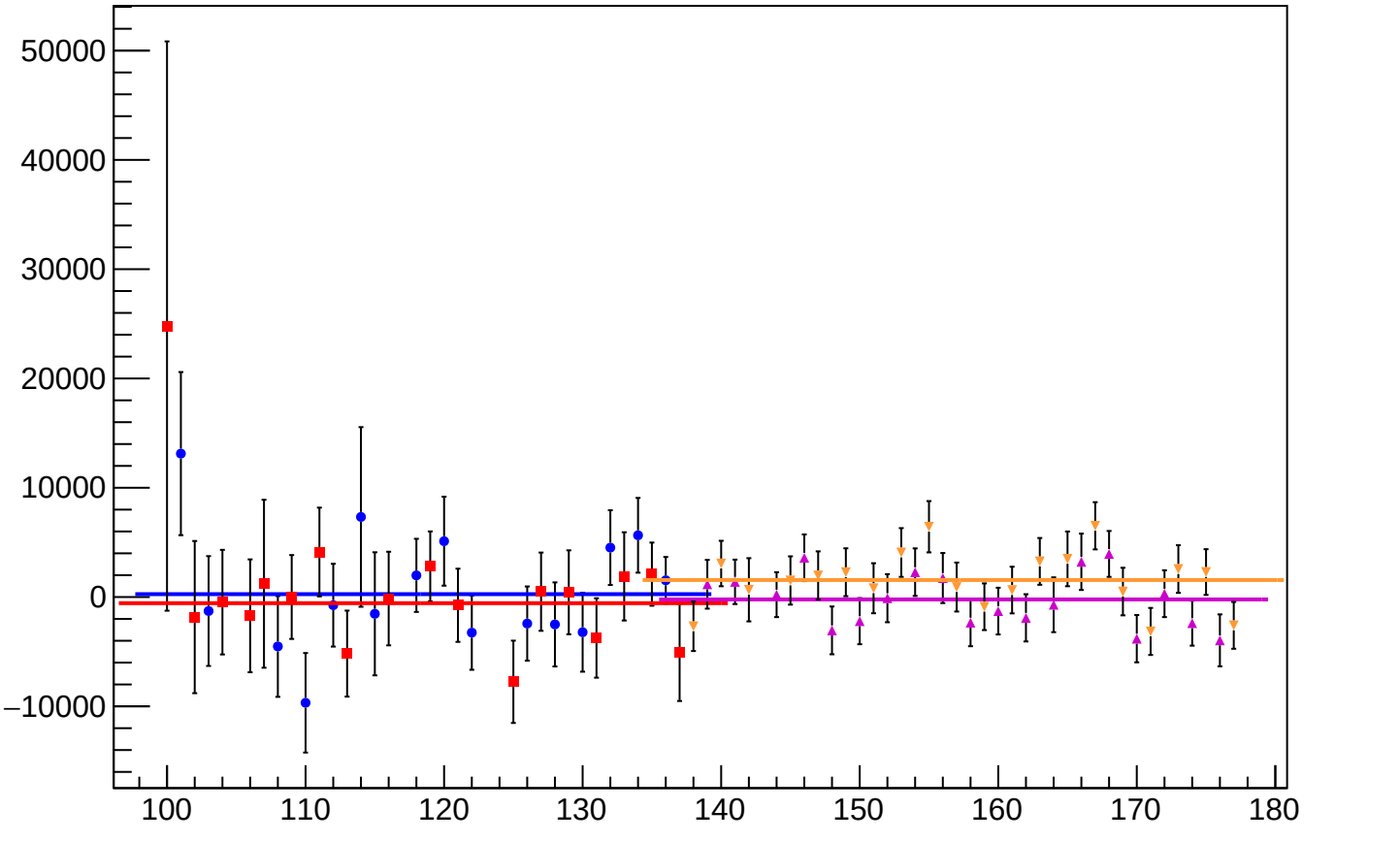
Right: -14.230+/-403.141 χ^2/NDF: 41.6/33

In: 76.581+/-219.200 χ^2/NDF:47.9/34

Out: -718.064+/-219.375 χ^2/NDF:83.7/37

All: -320.425+/-155.060 χ^2/NDF: 138.1/72


asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
170
180
Right In: 1411.745+/-0.389 χ²/NDF: 1177746.1/15
Left Out: 932.356+/-0.167 χ²/NDF:390697.9/19
Right Out: 1519.302+/-0.418 χ²/NDF: 1360150.0/17
Left In: 934.494+/-0.169 χ²/NDF:371681.3/18
Left: 933.413+/-0.119 χ²/NDF: 762460.2/38
Right: 1461.691+/-0.285 χ²/NDF: 2573306.2/33
In: 1010.071+/-0.155 χ²/NDF:2813021.0/34
Out: 1013.065+/-0.155 χ²/NDF:3448808.7/37
All: 1011.566+/-0.110 χ²/NDF: 6262016.1/72



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 1557.515+/-496.854 χ^2/NDF:27.1/19

Right Out: -560.962+/-962.943 χ^2/NDF: 11.7/17

Left In: -219.486+/-502.099 χ^2/NDF:22.8/18

Left: 678.343+/-353.169 χ^2/NDF: 56.3/38

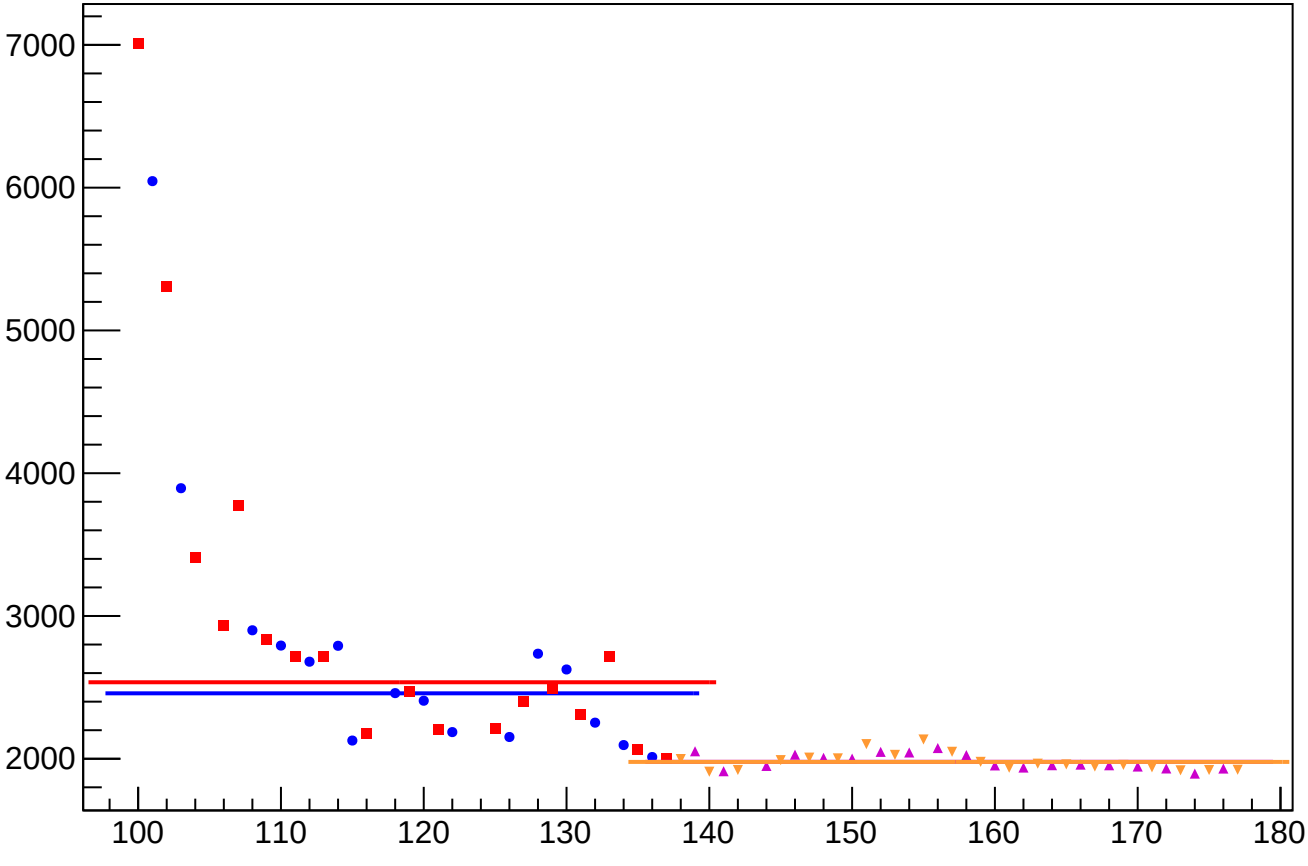
Right: -139.208+/-673.369 χ^2/NDF: 31.2/33

In: -112.428+/-443.085 χ^2/NDF:42.1/34

Out: 1112.096+/-441.543 χ^2/NDF:42.7/37

All: 501.969+/-312.762 χ^2/NDF: 88.6/72

asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 1977.927+/-0.351 χ^2/NDF:28035.8/19

Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1978.549+/-0.355 χ^2/NDF:21592.1/18

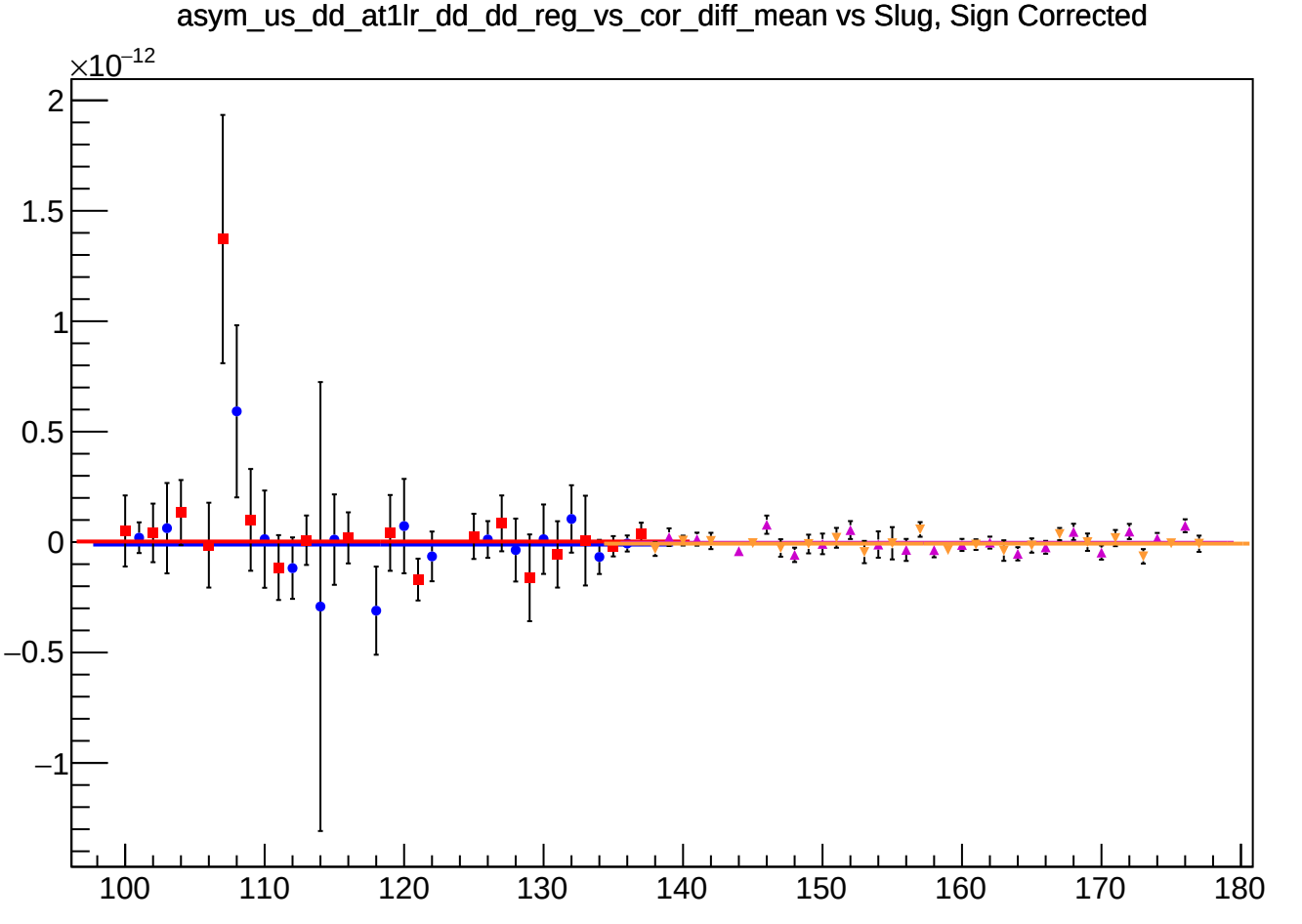
Left: 1978.235+/-0.250 χ^2/NDF: 49629.4/38

Right: 2496.205+/-0.476 χ^2/NDF: 1512837.3/33

In: 2084.703+/-0.313 χ^2/NDF:1258528.5/34

Out: 2095.219+/-0.312 χ^2/NDF:1231477.6/37

All: 2089.979+/-0.221 χ^2/NDF: 2490571.5/72



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: -0.000+/-0.000 χ^2/NDF:31.0/18

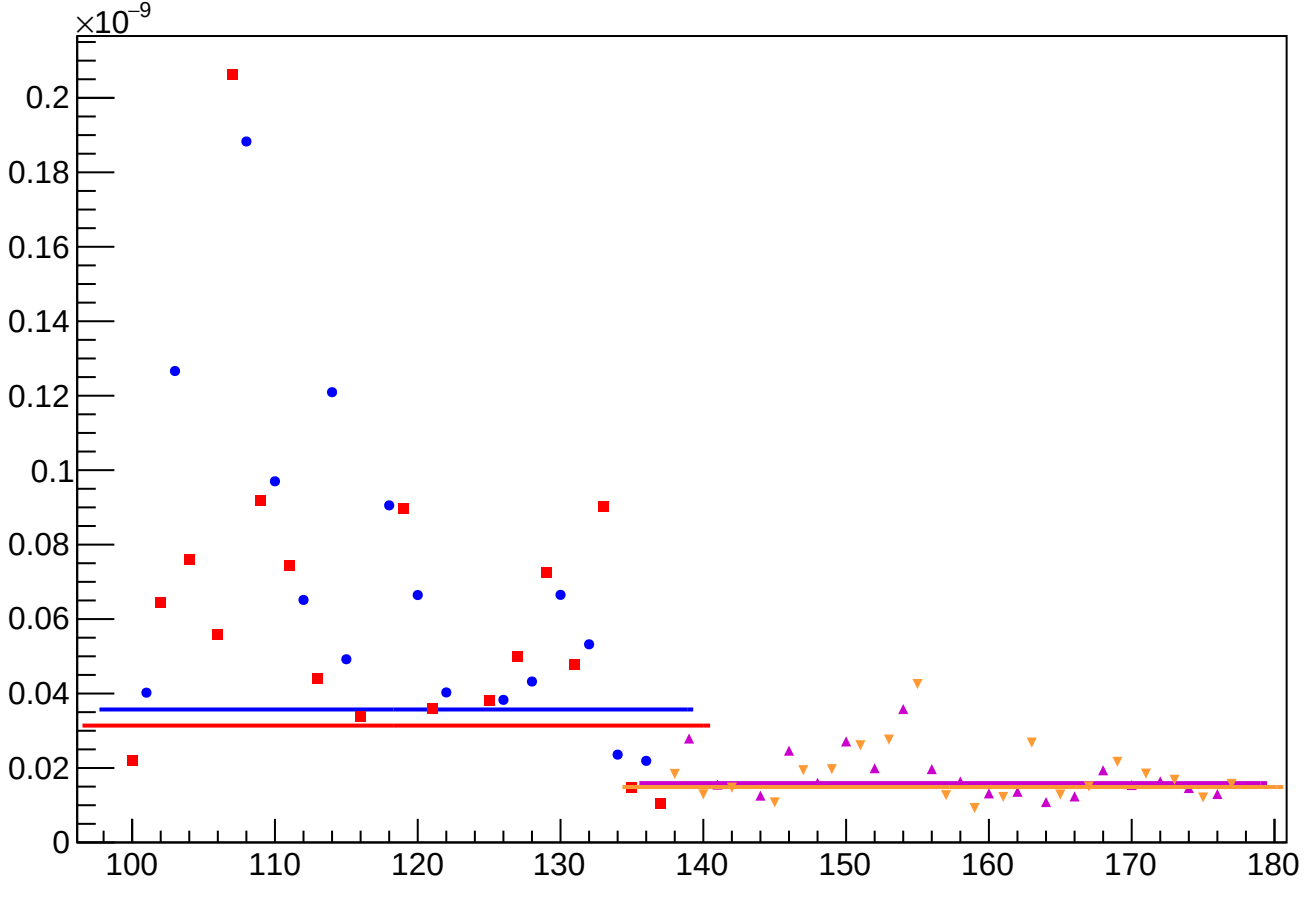
Left: -0.000+/-0.000 χ^2/NDF: 45.4/38

Right: -0.000+/-0.000 χ^2/NDF: 20.7/33

In: -0.000+/-0.000 χ^2/NDF:38.4/34

Out: -0.000+/-0.000 χ^2/NDF:27.6/37

All: -0.000+/-0.000 χ^2/NDF: 66.1/72



Right In: 0.000+/-0.000 χ^2/NDF: 1620217.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1131626.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2068272.1/17

Left In: 0.000+/-0.000 χ^2/NDF:855489.8/18

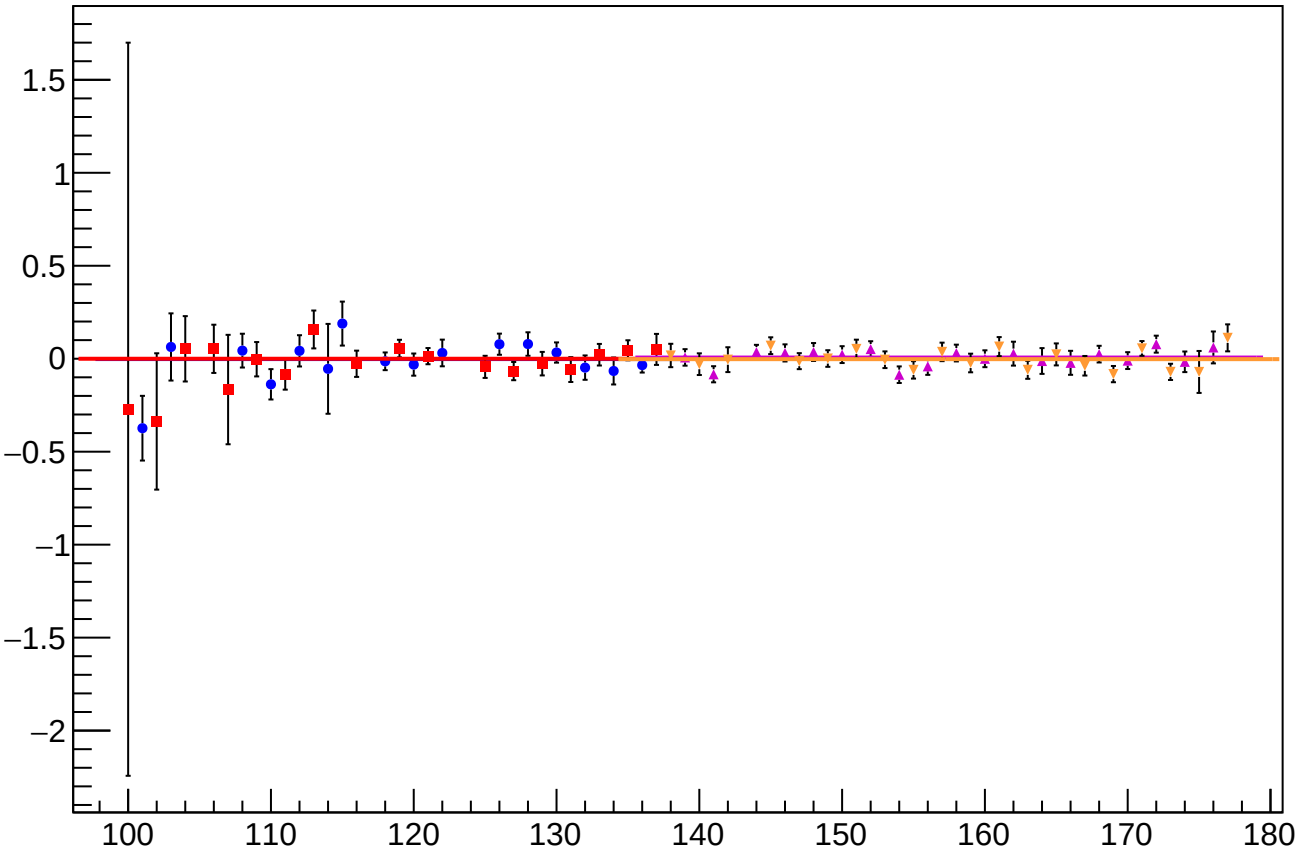
Left: 0.000+/-0.000 χ^2/NDF: 2009010.7/38

Right: 0.000+/-0.000 χ^2/NDF: 3719751.0/33

In: 0.000+/-0.000 χ^2/NDF:3667928.8/34

Out: 0.000+/-0.000 χ^2/NDF:4049614.1/37

All: 0.000+/-0.000 χ^2/NDF: 7763554.4/72



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.002+/-0.011 χ^2/NDF:21.1/19

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.006+/-0.011 χ^2/NDF:16.2/18

Left: 0.002+/-0.008 χ^2/NDF: 37.6/38

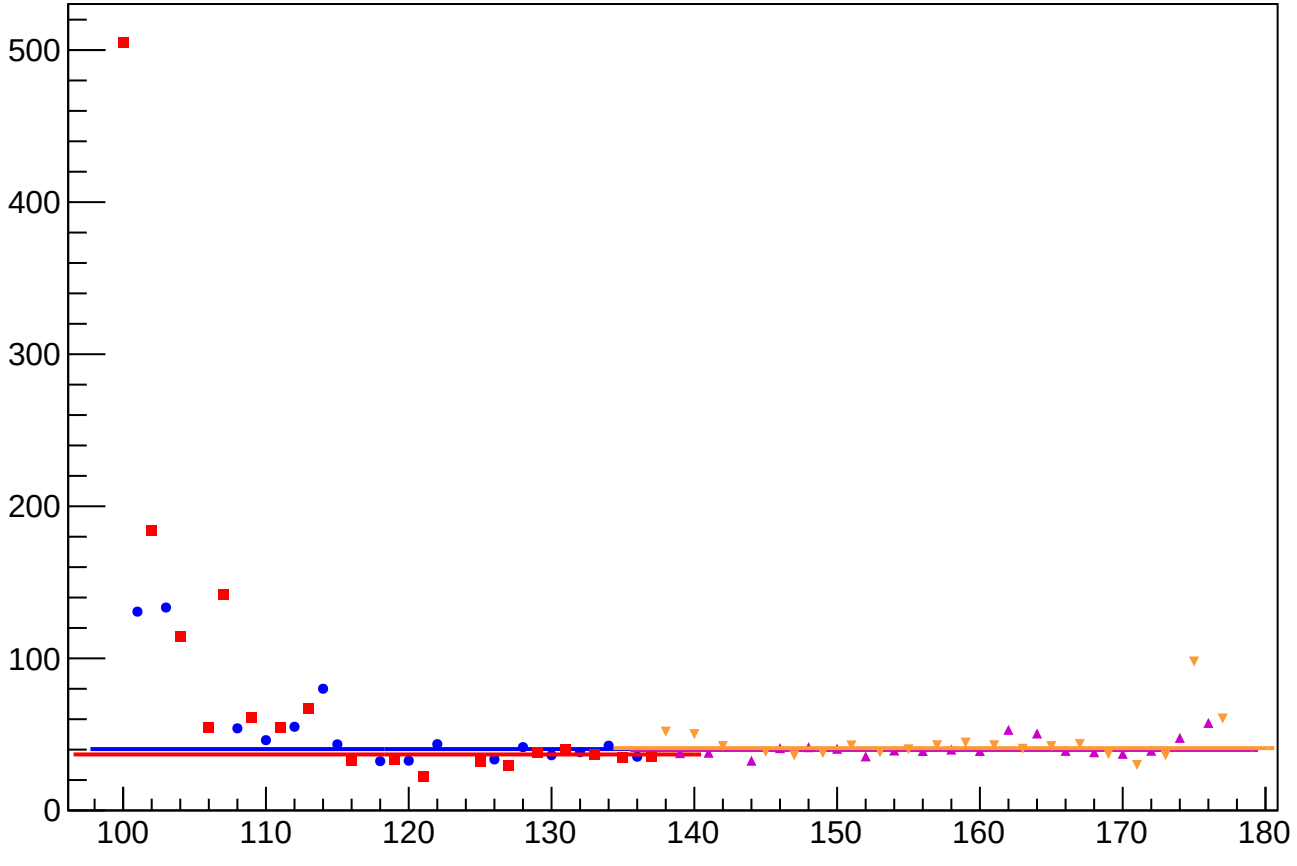
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.004+/-0.009 χ^2/NDF:33.5/34

Out: -0.002+/-0.009 χ^2/NDF:32.0/37

All: 0.001+/-0.007 χ^2/NDF: 65.7/72

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 40.959+/-0.008 χ^2/NDF:1031169.0/19

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 39.806+/-0.008 χ^2/NDF:369242.4/18

Left: 40.370+/-0.006 χ^2/NDF: 1411113.7/38

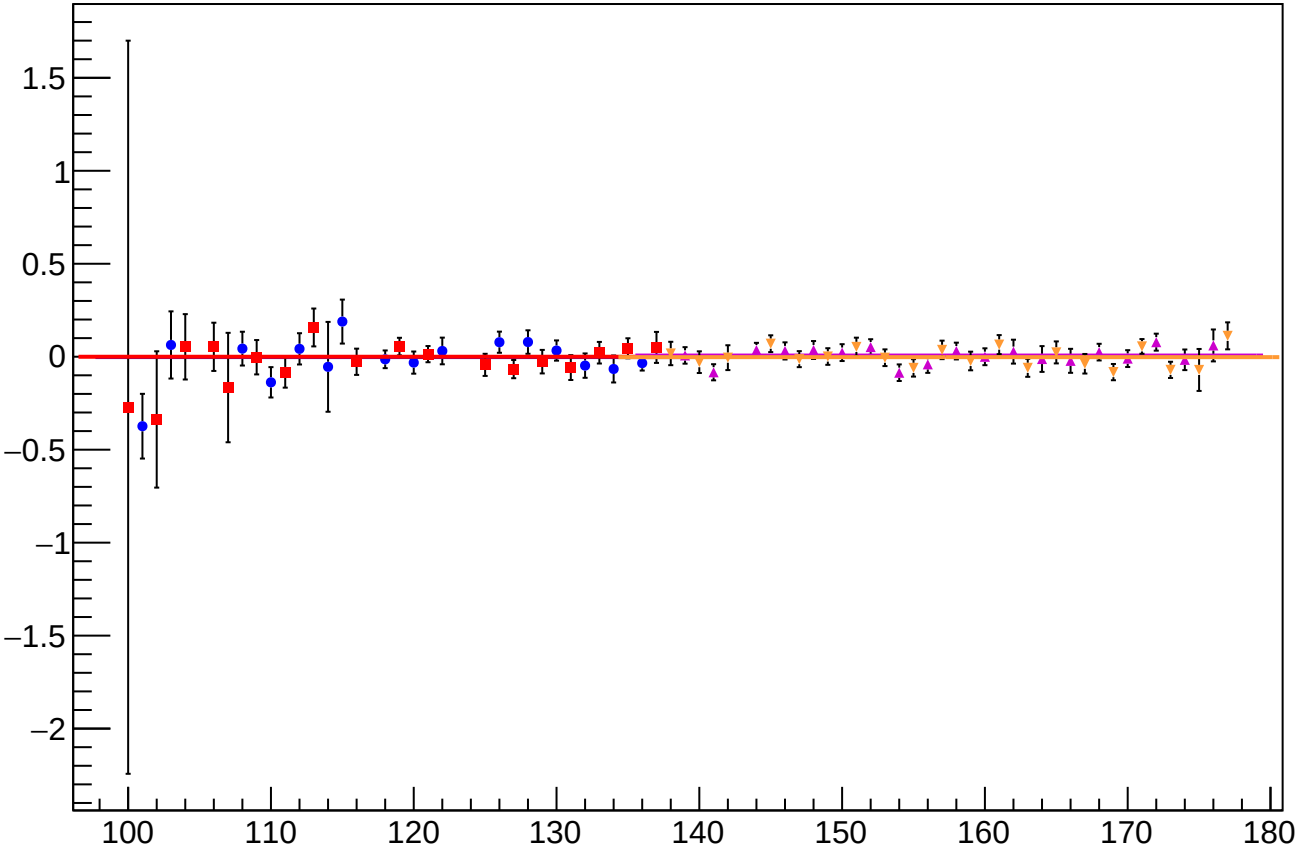
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.966+/-0.007 χ^2/NDF:1780821.5/34

Out: 39.662+/-0.007 χ^2/NDF:2952755.5/37

All: 39.815+/-0.005 χ^2/NDF: 4734648.3/72

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.002+/-0.011 χ^2/NDF:21.1/19

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.006+/-0.011 χ^2/NDF:16.2/18

Left: 0.002+/-0.008 χ^2/NDF: 37.6/38

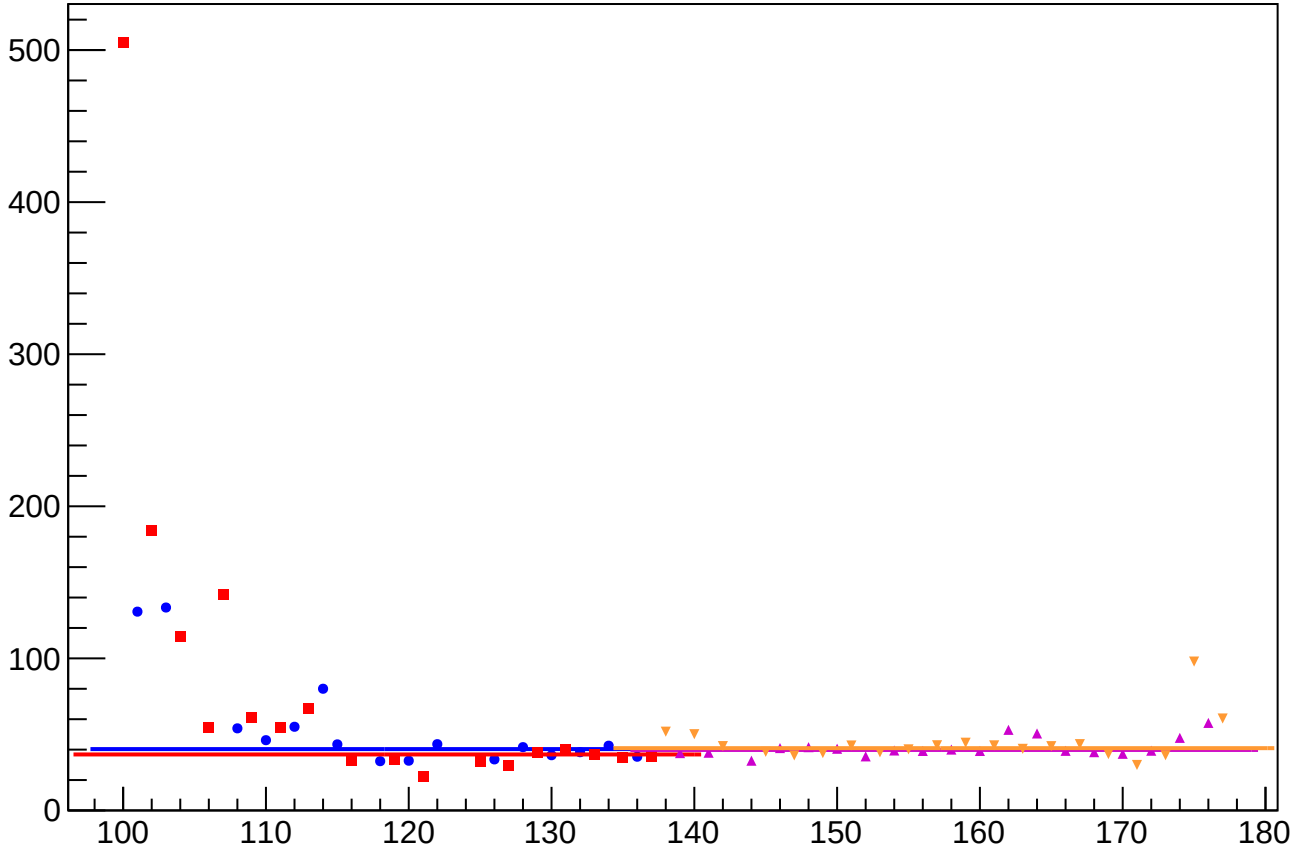
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.004+/-0.009 χ^2/NDF:33.5/34

Out: -0.002+/-0.009 χ^2/NDF:32.0/37

All: 0.001+/-0.007 χ^2/NDF: 65.7/72

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 40.959+/-0.008 χ^2/NDF:1031169.0/19

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 39.806+/-0.008 χ^2/NDF:369242.4/18

Left: 40.370+/-0.006 χ^2/NDF: 1411113.7/38

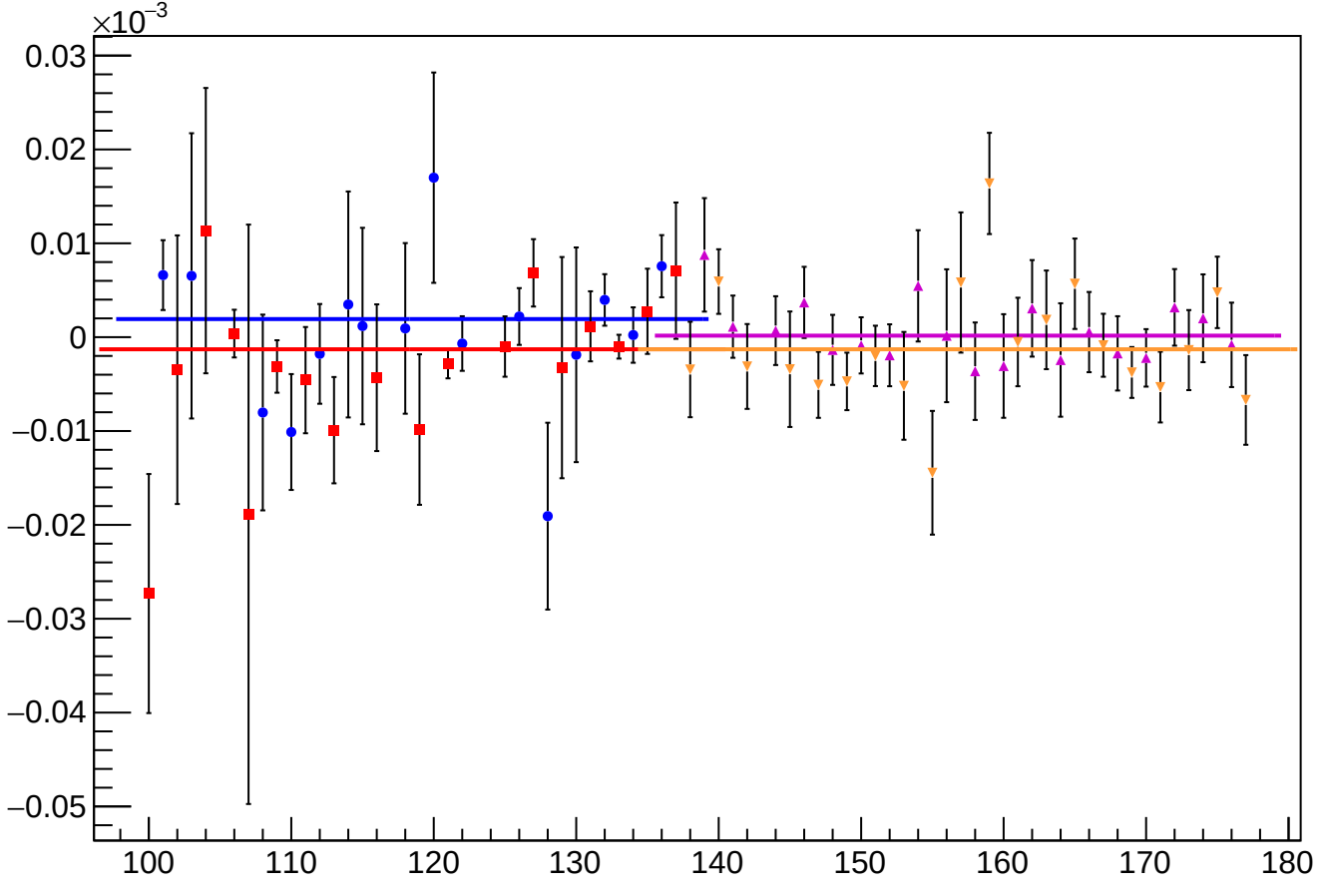
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.966+/-0.007 χ^2/NDF:1780821.5/34

Out: 39.662+/-0.007 χ^2/NDF:2952755.5/37

All: 39.815+/-0.005 χ^2/NDF: 4734648.3/72

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.7/19

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:7.5/18

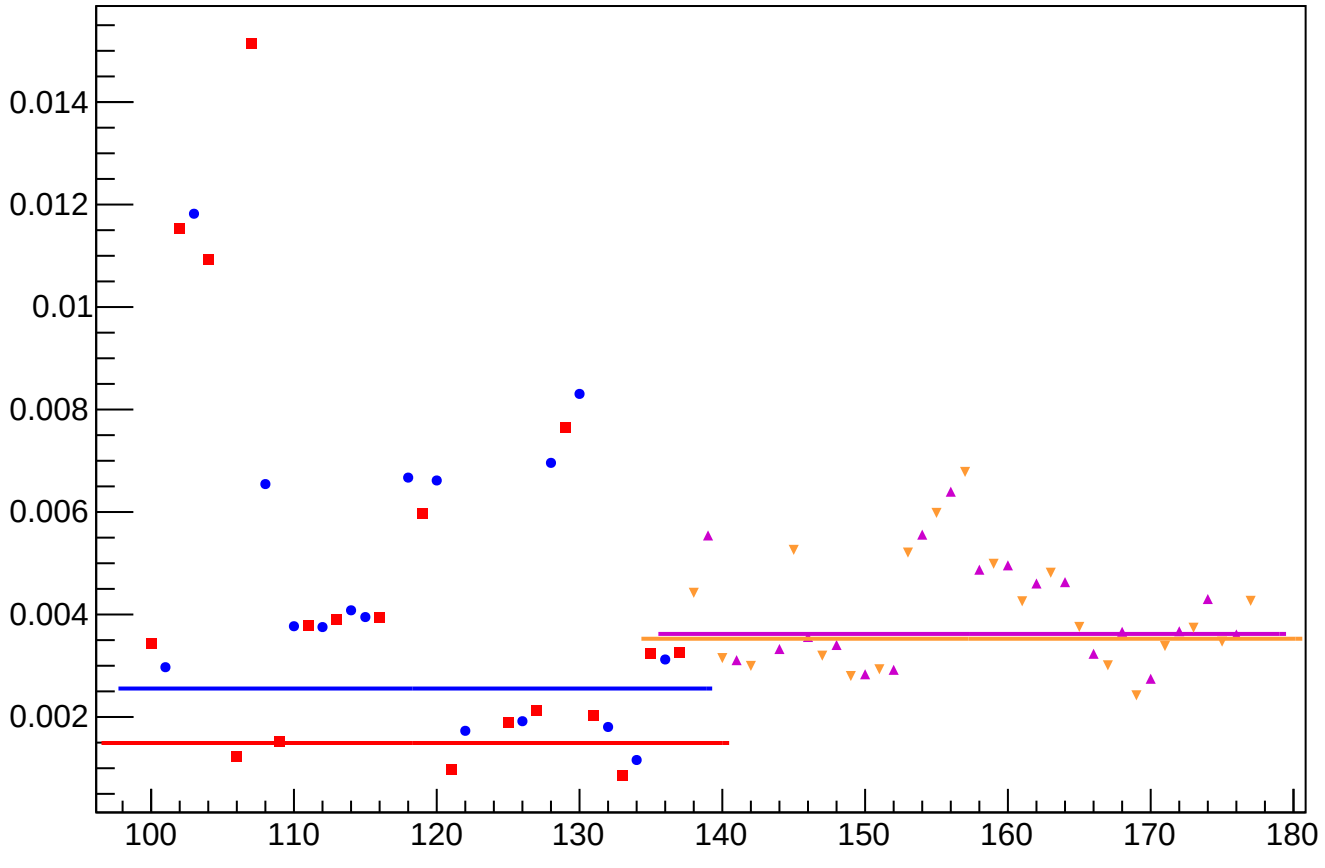
Left: -0.000+/-0.000 χ^2/NDF: 40.3/38

Right: -0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:26.7/34

Out: -0.000+/-0.000 χ^2/NDF:50.6/37

All: -0.000+/-0.000 χ^2/NDF: 82.7/72



Right In: 0.003+/-0.000 χ^2/NDF: 3782362.0/15

Left Out: 0.004+/-0.000 χ^2/NDF:2056728.4/19

Right Out: 0.001+/-0.000 χ^2/NDF: 5561830.1/17

Left In: 0.004+/-0.000 χ^2/NDF:1605243.3/18

Left: 0.004+/-0.000 χ^2/NDF: 3672039.4/38

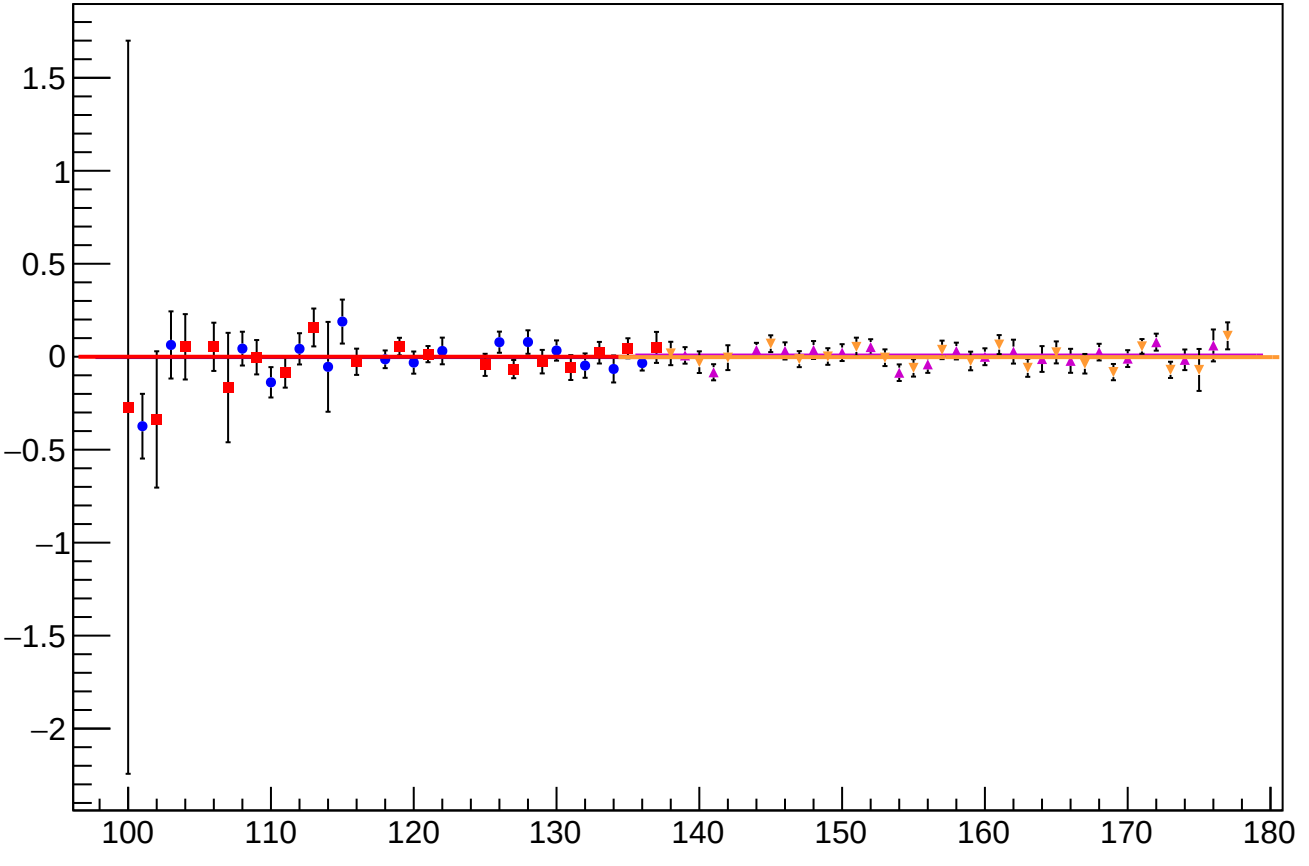
Right: 0.002+/-0.000 χ^2/NDF: 10553457.3/33

In: 0.003+/-0.000 χ^2/NDF:6414918.9/34

Out: 0.002+/-0.000 χ^2/NDF:13465791.4/37

All: 0.003+/-0.000 χ^2/NDF: 21647454.0/72

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.002+/-0.011 χ^2/NDF:21.1/19

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.006+/-0.011 χ^2/NDF:16.2/18

Left: 0.002+/-0.008 χ^2/NDF: 37.6/38

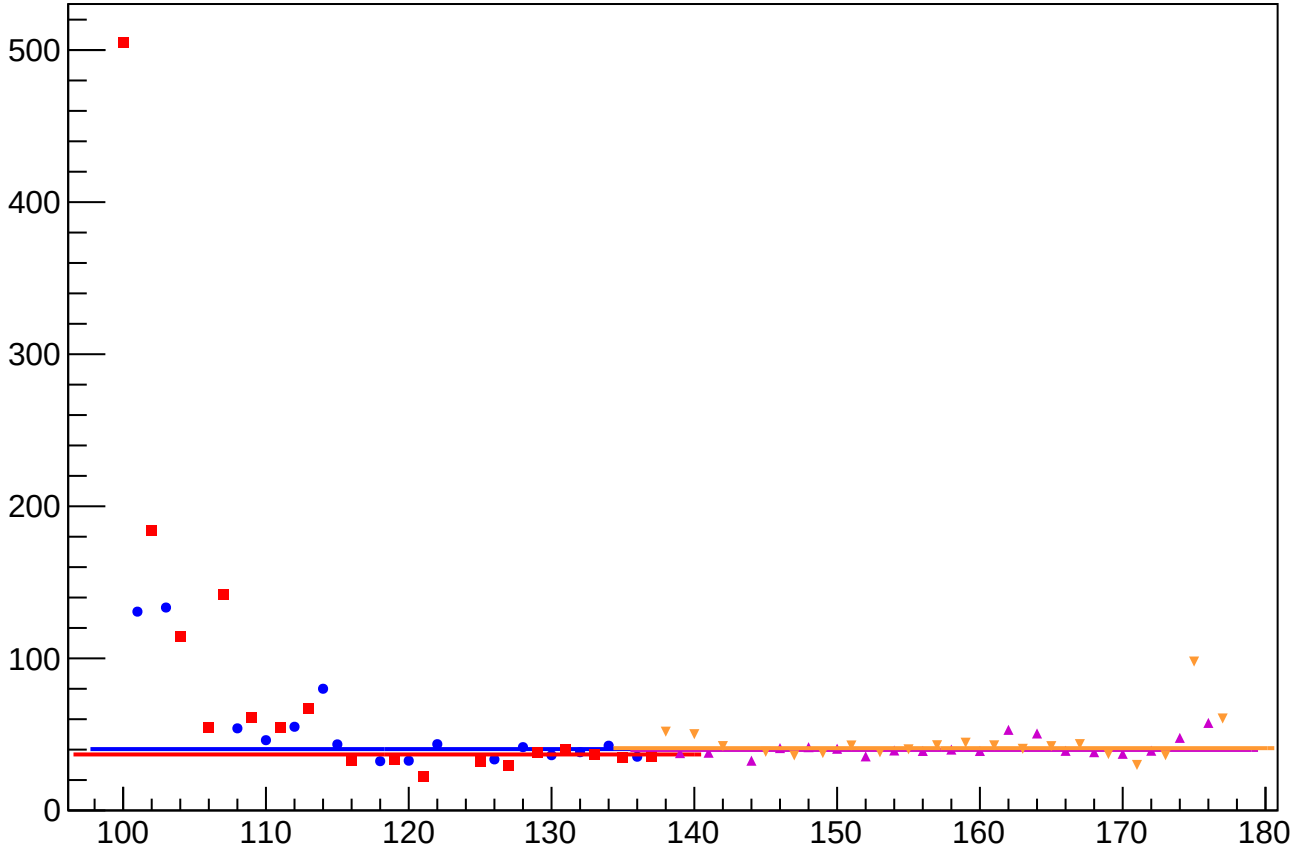
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.004+/-0.009 χ^2/NDF:33.5/34

Out: -0.002+/-0.009 χ^2/NDF:32.0/37

All: 0.001+/-0.007 χ^2/NDF: 65.7/72

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 40.959+/-0.008 χ^2/NDF:1031176.7/19

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 39.806+/-0.008 χ^2/NDF:369195.0/18

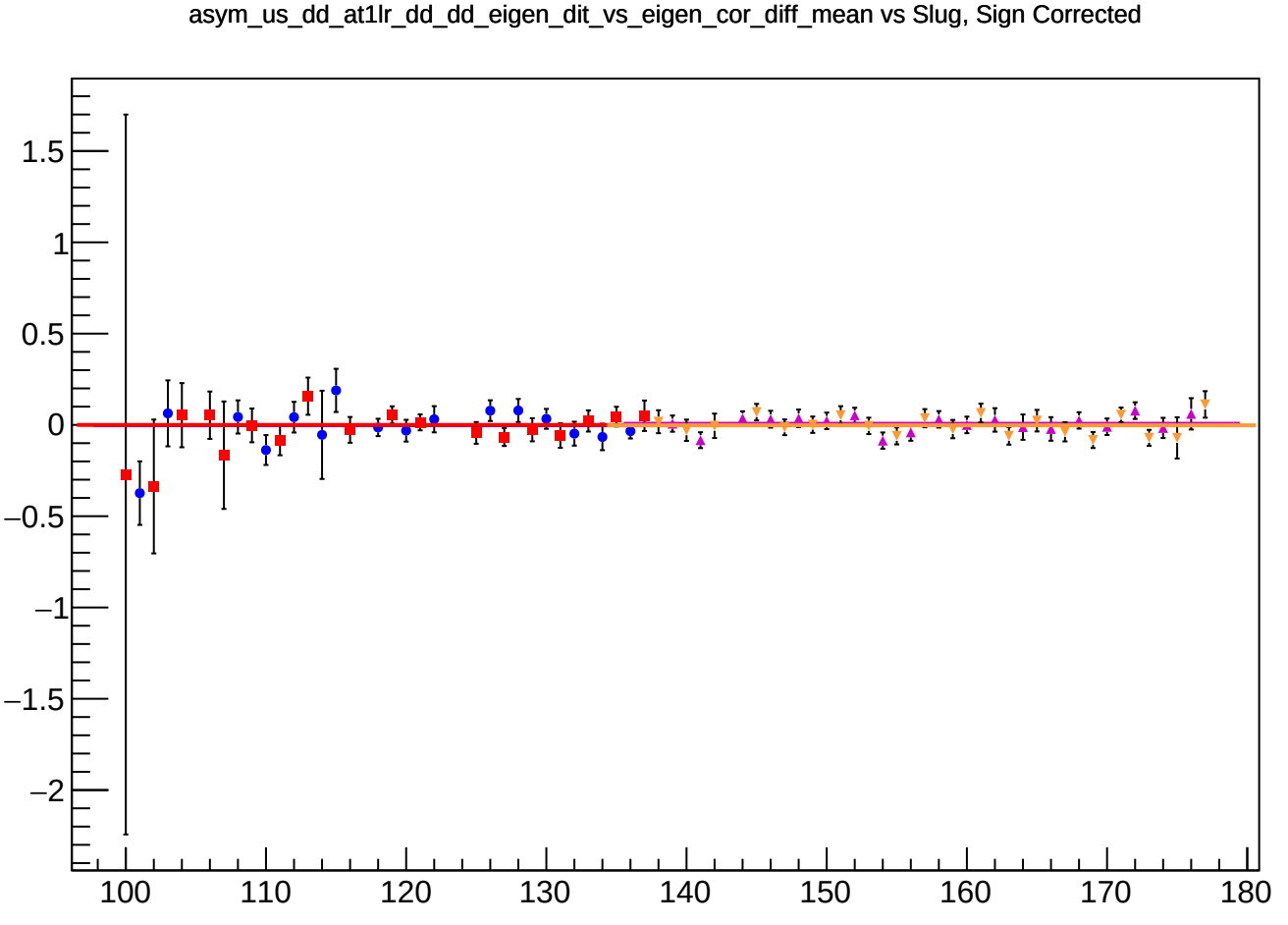
Left: 40.370+/-0.006 χ^2/NDF: 1411071.8/38

Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.966+/-0.007 χ^2/NDF:1780677.2/34

Out: 39.661+/-0.007 χ^2/NDF:2952785.5/37

All: 39.815+/-0.005 χ^2/NDF: 4734537.8/72



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.002+/-0.011 χ^2/NDF:21.1/19

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.006+/-0.011 χ^2/NDF:16.2/18

Left: 0.002+/-0.008 χ^2/NDF: 37.6/38

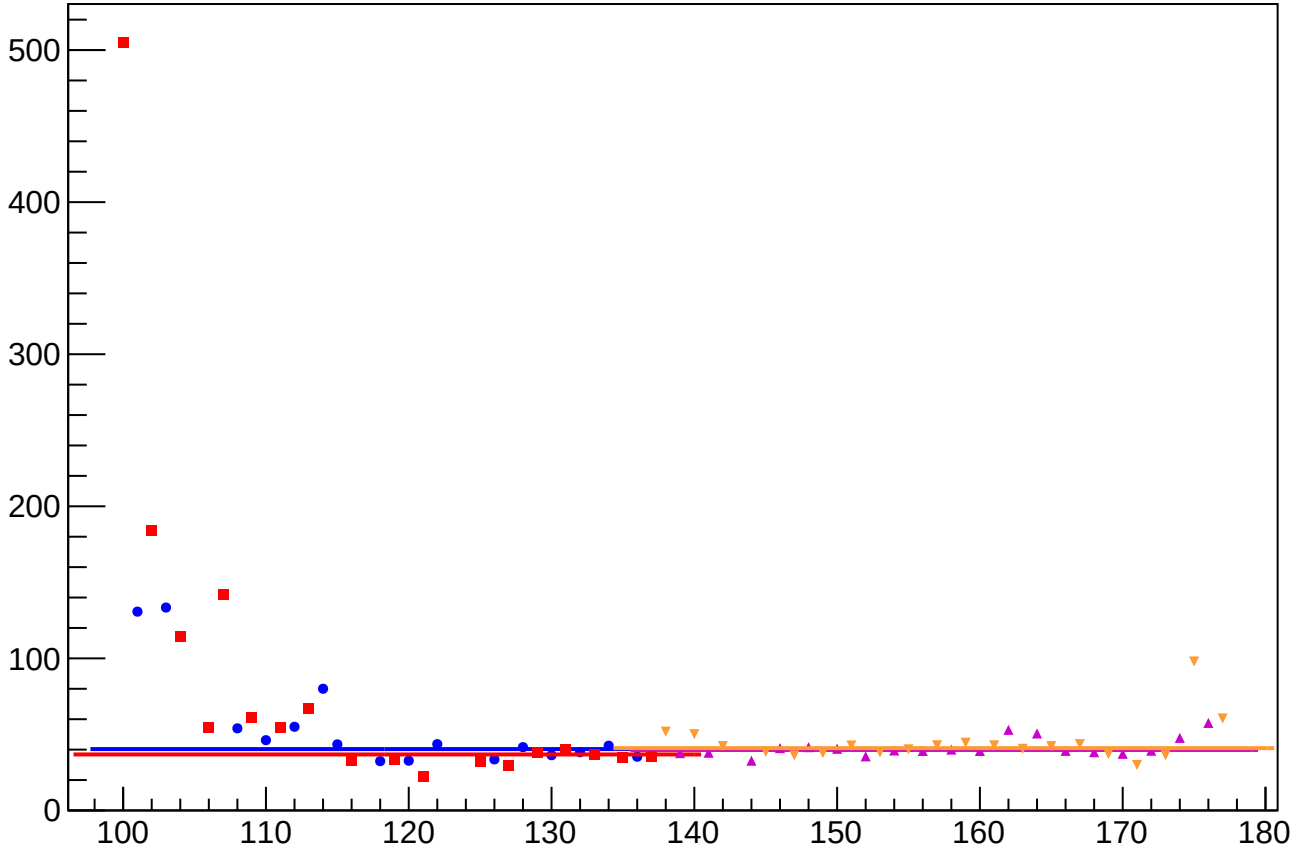
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.004+/-0.009 χ^2/NDF:33.5/34

Out: -0.002+/-0.009 χ^2/NDF:32.0/37

All: 0.001+/-0.007 χ^2/NDF: 65.7/72

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 40.959+/-0.008 χ^2/NDF:1031176.7/19

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 39.806+/-0.008 χ^2/NDF:369195.0/18

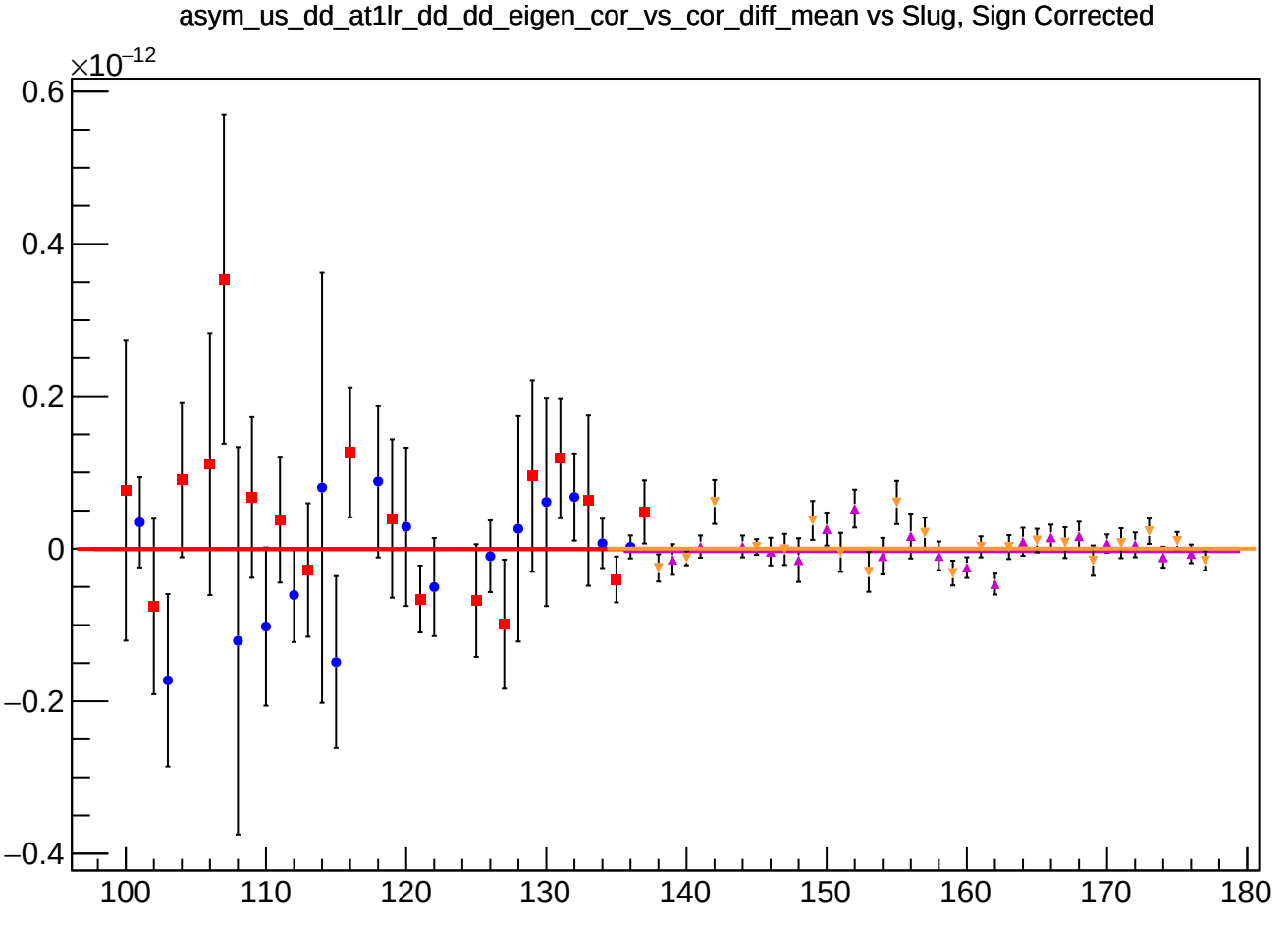
Left: 40.370+/-0.006 χ^2/NDF: 1411071.8/38

Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.966+/-0.007 χ^2/NDF:1780677.2/34

Out: 39.661+/-0.007 χ^2/NDF:2952785.5/37

All: 39.815+/-0.005 χ^2/NDF: 4734537.8/72



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/19

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: -0.000+/-0.000 χ^2/NDF:24.6/18

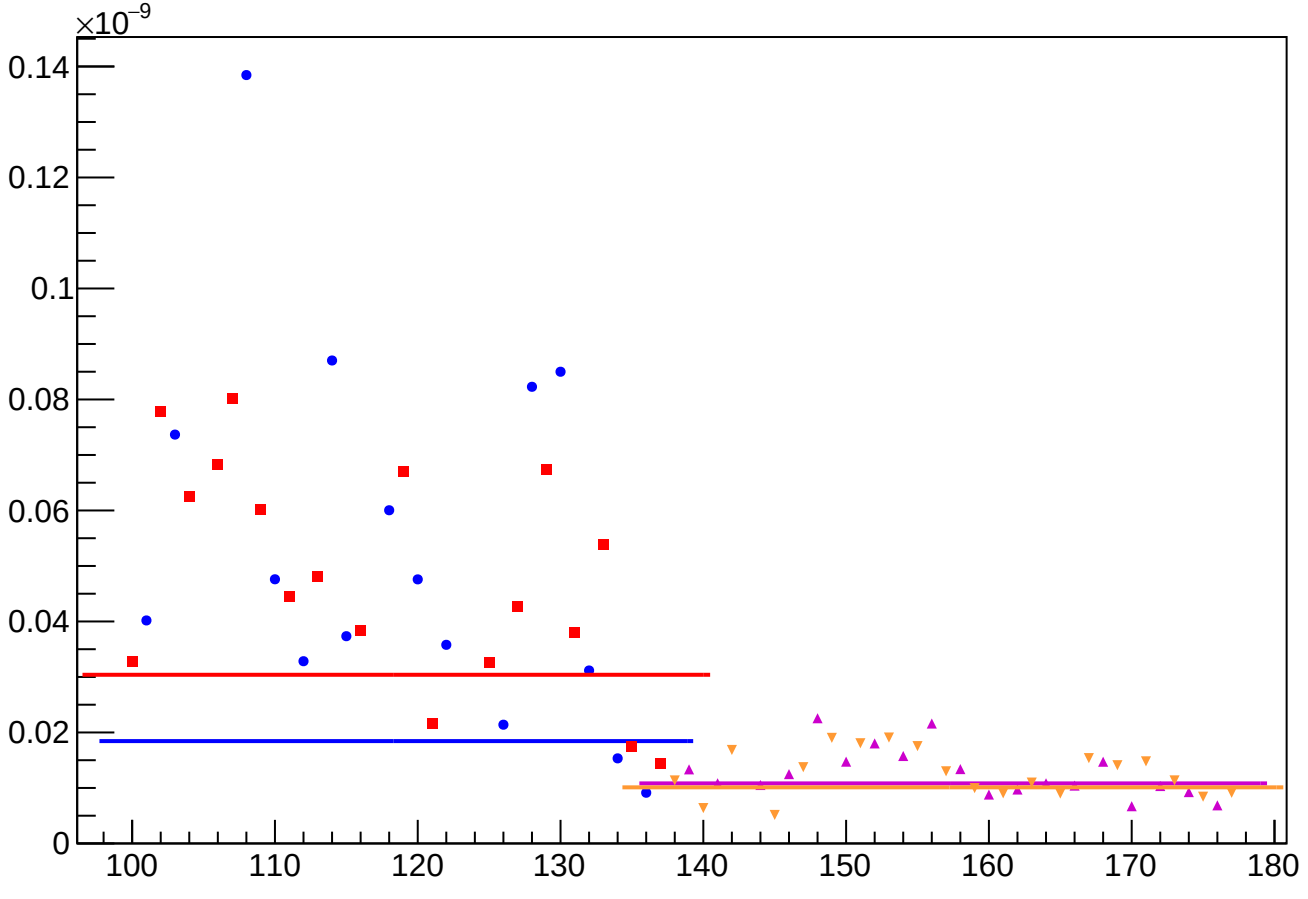
Left: -0.000+/-0.000 χ^2/NDF: 51.9/38

Right: -0.000+/-0.000 χ^2/NDF: 28.2/33

In: -0.000+/-0.000 χ^2/NDF:34.5/34

Out: 0.000+/-0.000 χ^2/NDF:45.2/37

All: -0.000+/-0.000 χ^2/NDF: 80.1/72



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2249107.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:1625505.5/18

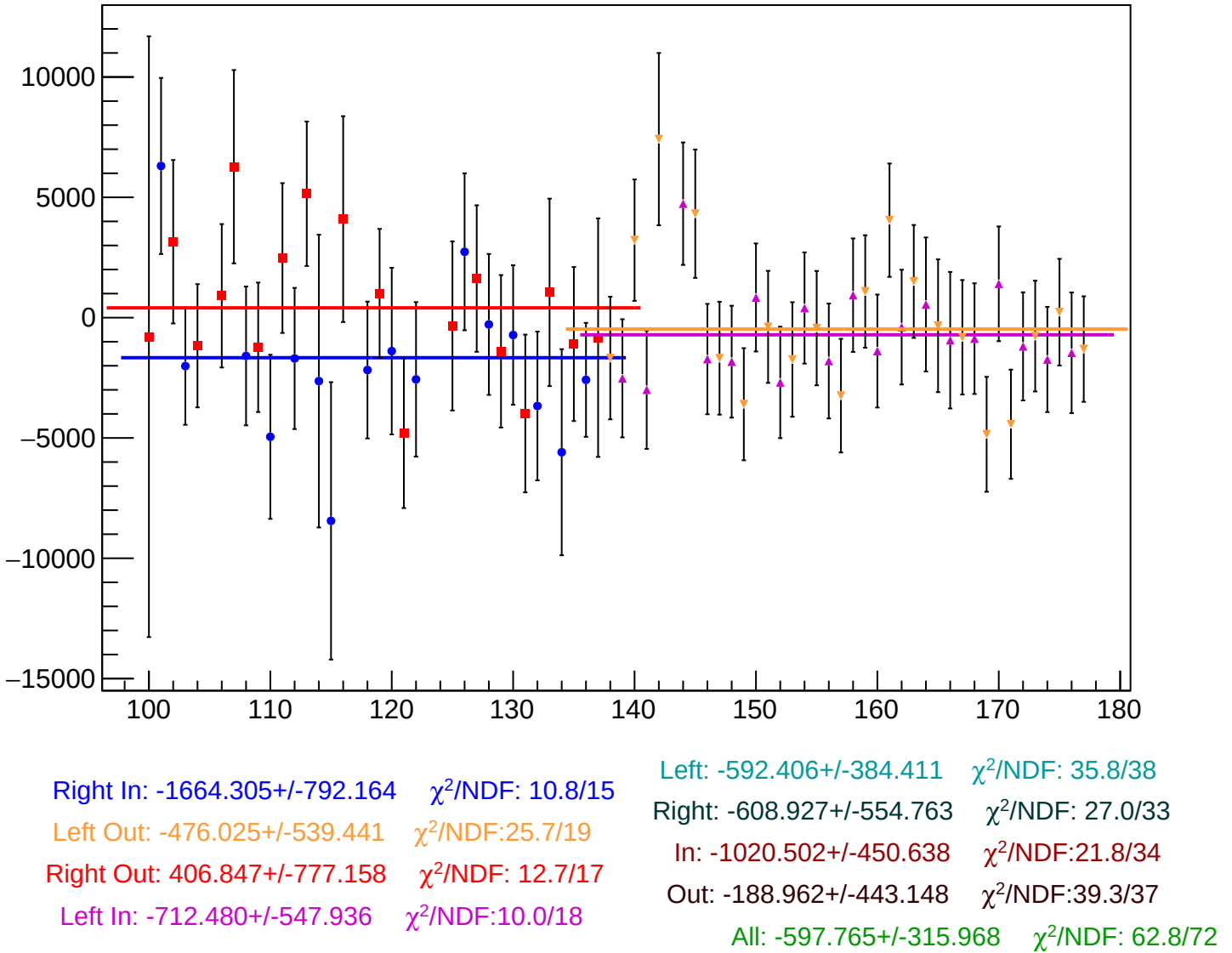
Left: 0.000+/-0.000 χ^2/NDF: 3911690.5/38

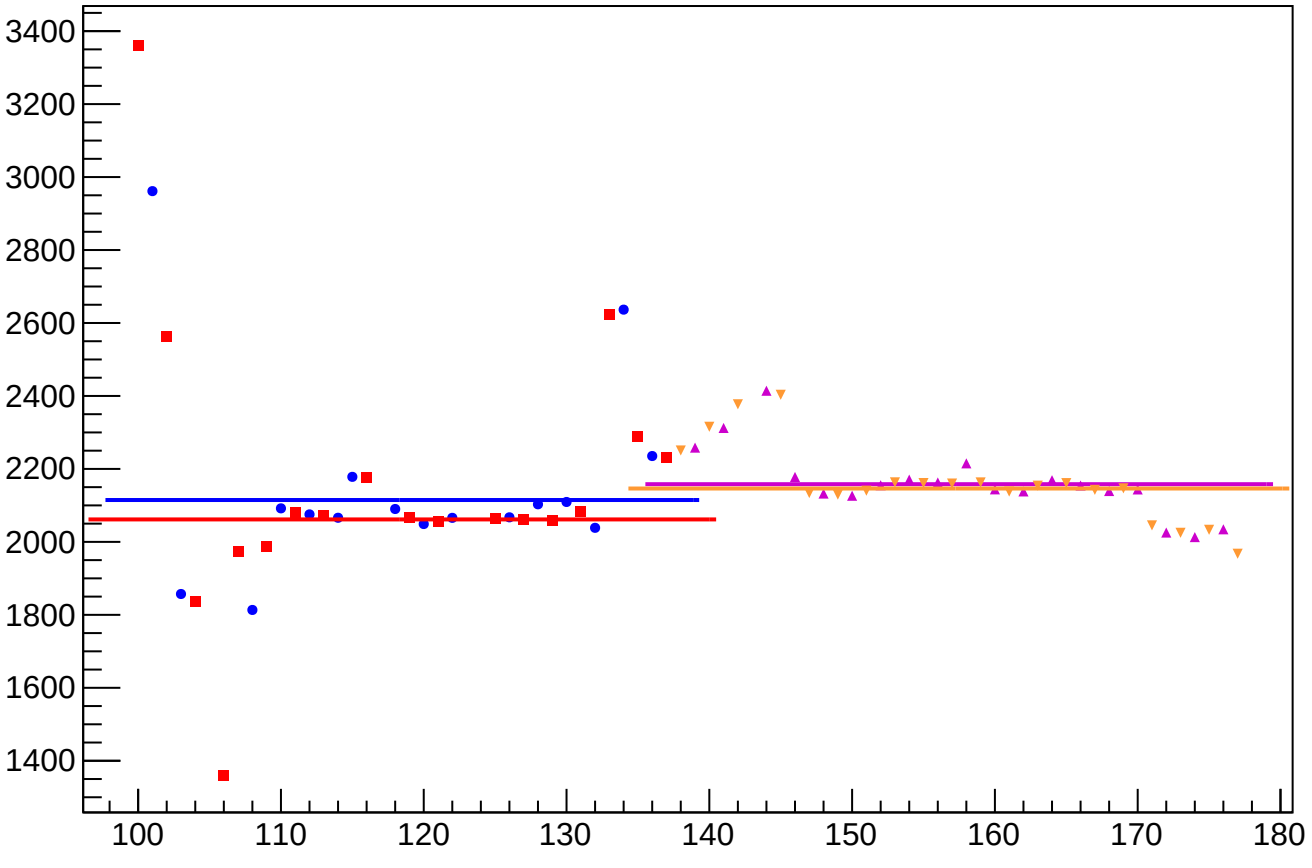
Right: 0.000+/-0.000 χ^2/NDF: 7115915.8/33

In: 0.000+/-0.000 χ^2/NDF:6432579.7/34

Out: 0.000+/-0.000 χ^2/NDF:7535137.8/37

All: 0.000+/-0.000 χ^2/NDF: 13991077.0/72


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: -476.025+/-539.441 χ²/NDF:25.7/19
Right Out: 406.847+/-777.158 χ²/NDF: 12.7/17
Left In: -712.480+/-547.936 χ²/NDF:10.0/18
Left: -592.406+/-384.411 χ²/NDF: 35.8/38
Right: -608.927+/-554.763 χ²/NDF: 27.0/33
In: -1020.502+/-450.638 χ²/NDF:21.8/34
Out: -188.962+/-443.148 χ²/NDF:39.3/37
All: -597.765+/-315.968 χ²/NDF: 62.8/72



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2146.288+/-0.381 χ^2/NDF:67903.8/19

Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2158.137+/-0.387 χ^2/NDF:54582.1/18

Left: 2152.120+/-0.272 χ^2/NDF: 122960.8/38

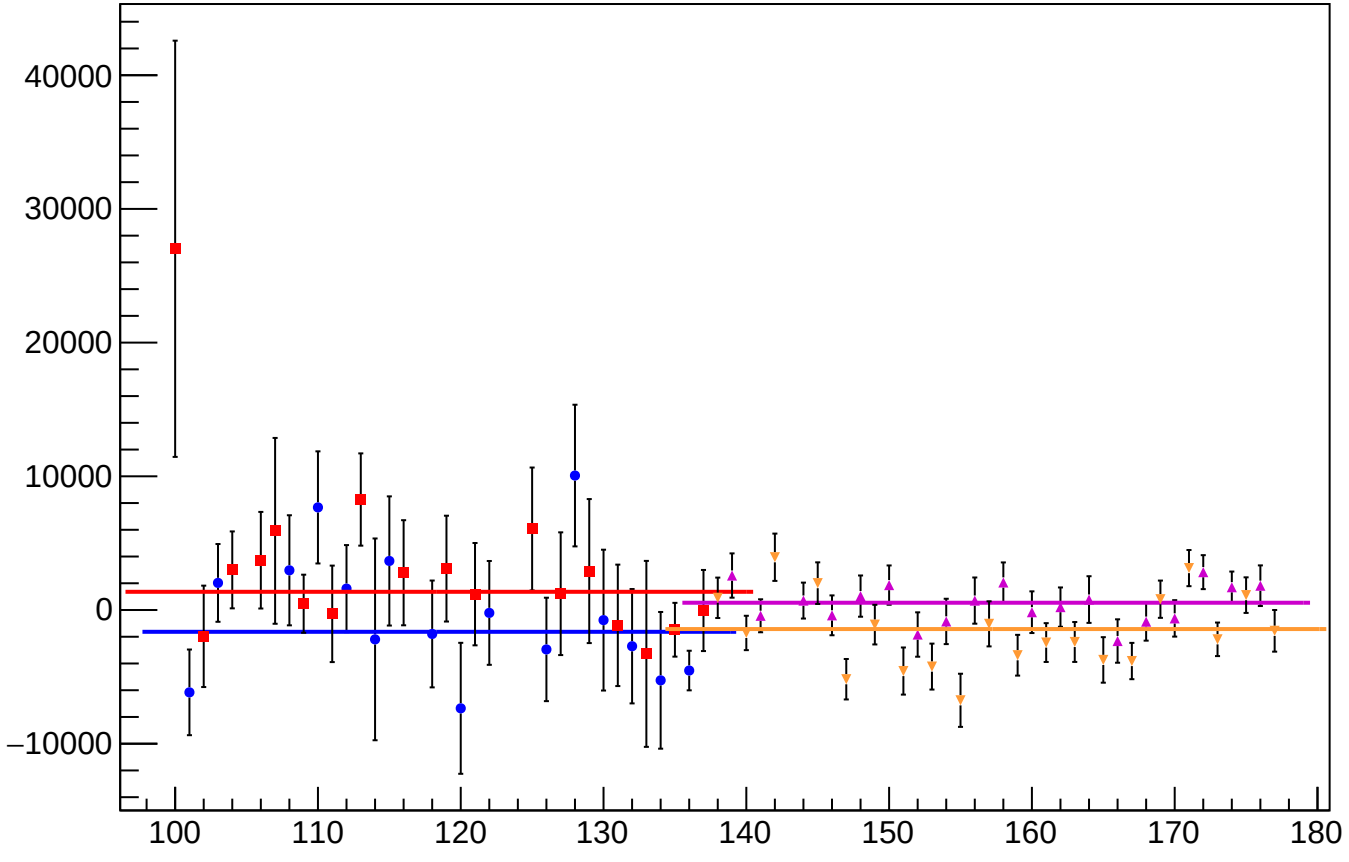
Right: 2087.649+/-0.392 χ^2/NDF: 443702.7/33

In: 2144.098+/-0.319 χ^2/NDF:248559.7/34

Out: 2118.739+/-0.313 χ^2/NDF:333133.2/37

All: 2131.206+/-0.223 χ^2/NDF: 584912.7/72

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: -1424.905+/-336.172 χ^2/NDF:61.3/19

Right Out: 1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: 543.409+/-337.160 χ^2/NDF:17.3/18

Left: -443.635+/-238.058 χ^2/NDF: 95.6/38

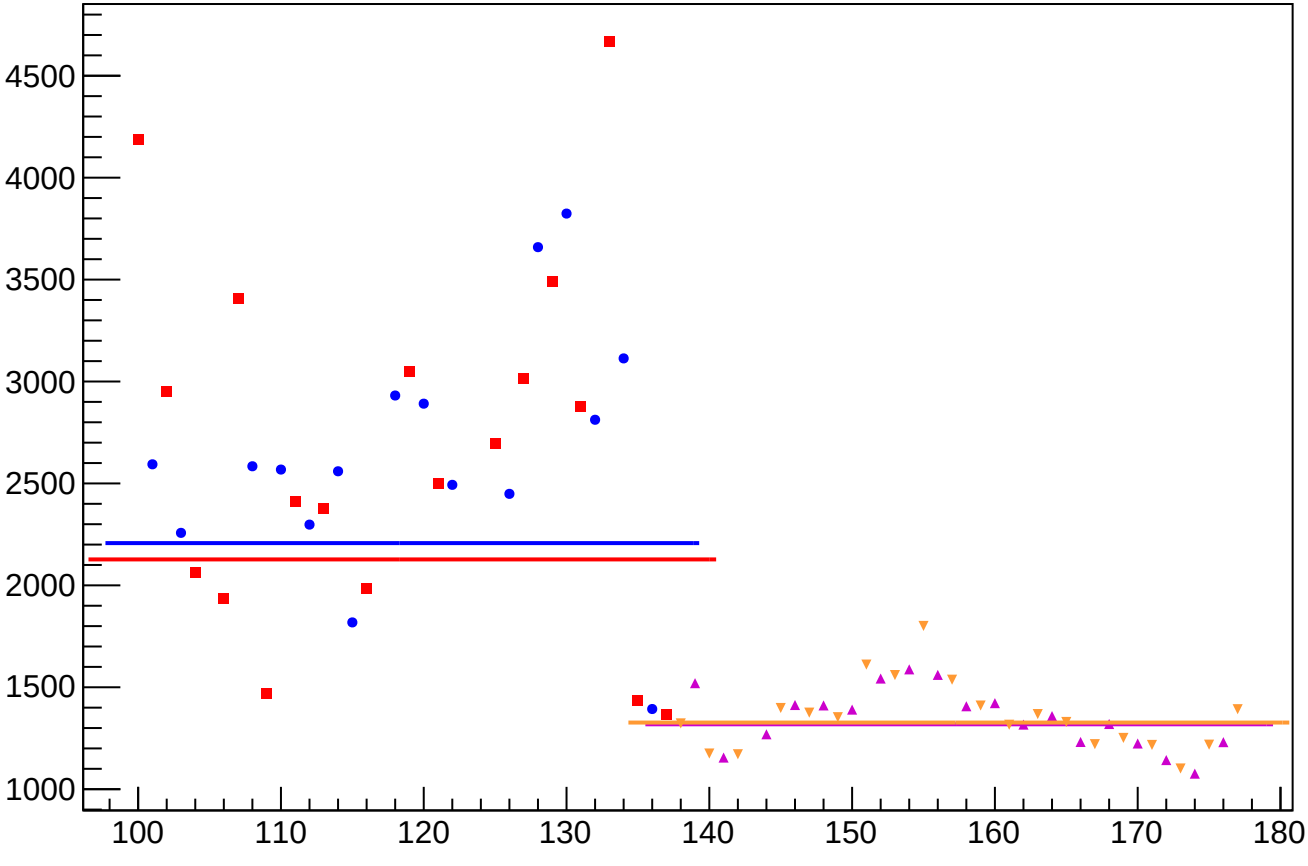
Right: -95.664+/-601.892 χ^2/NDF: 42.5/33

In: 255.202+/-314.016 χ^2/NDF:45.6/34

Out: -1040.516+/-312.127 χ^2/NDF:84.2/37

All: -396.564+/-221.372 χ^2/NDF: 138.4/72

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1326.936+/-0.238 χ^2/NDF:404266.5/19

Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1318.345+/-0.238 χ^2/NDF:376187.2/18

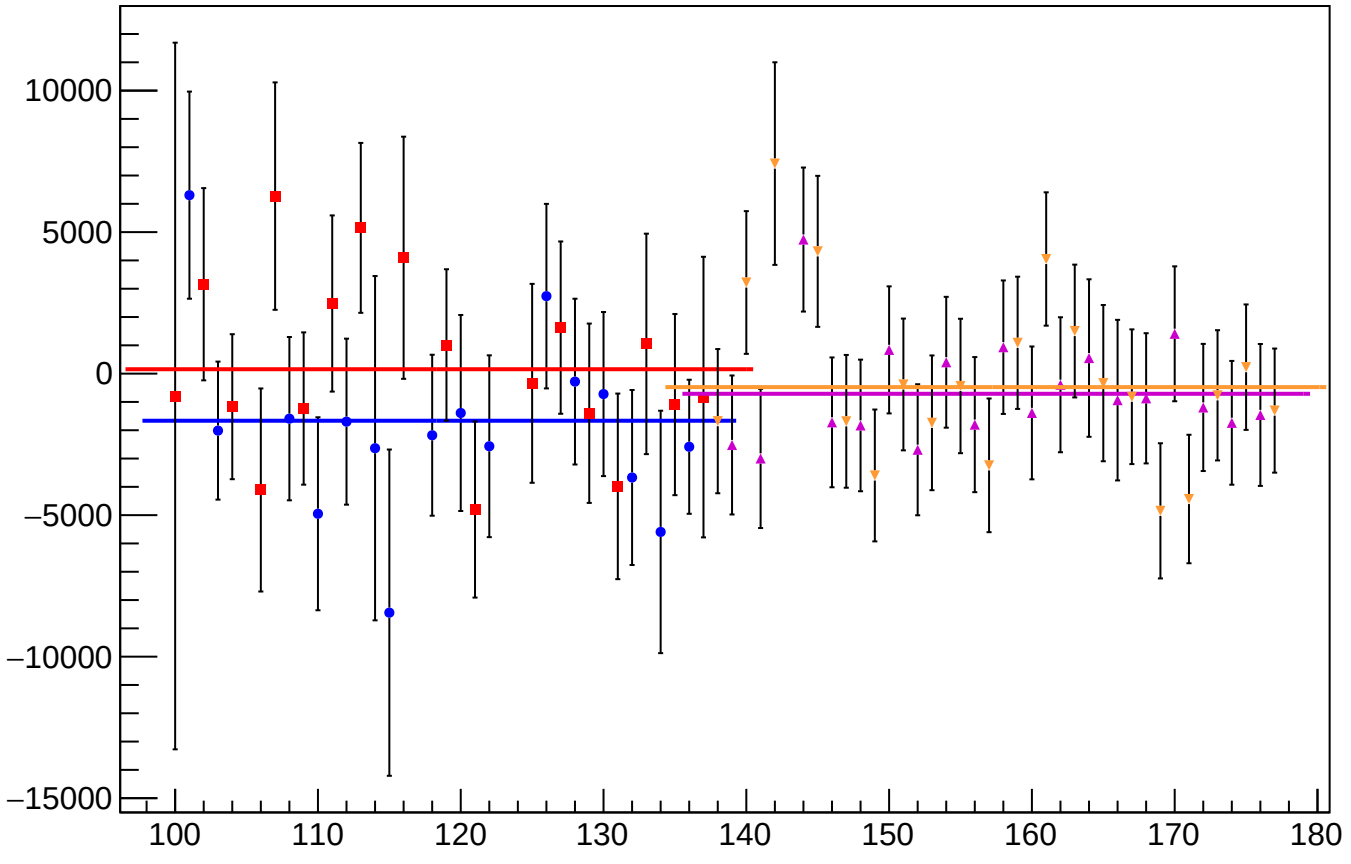
Left: 1322.653+/-0.168 χ^2/NDF: 781104.9/38

Right: 2166.205+/-0.426 χ^2/NDF: 2716147.2/33

In: 1436.194+/-0.222 χ^2/NDF:3468519.0/34

Out: 1437.324+/-0.221 χ^2/NDF:3425721.9/37

All: 1436.762+/-0.157 χ^2/NDF: 6894253.9/72



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -475.939+/-539.441 χ^2/NDF:25.7/19

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -712.343+/-547.936 χ^2/NDF:10.0/18

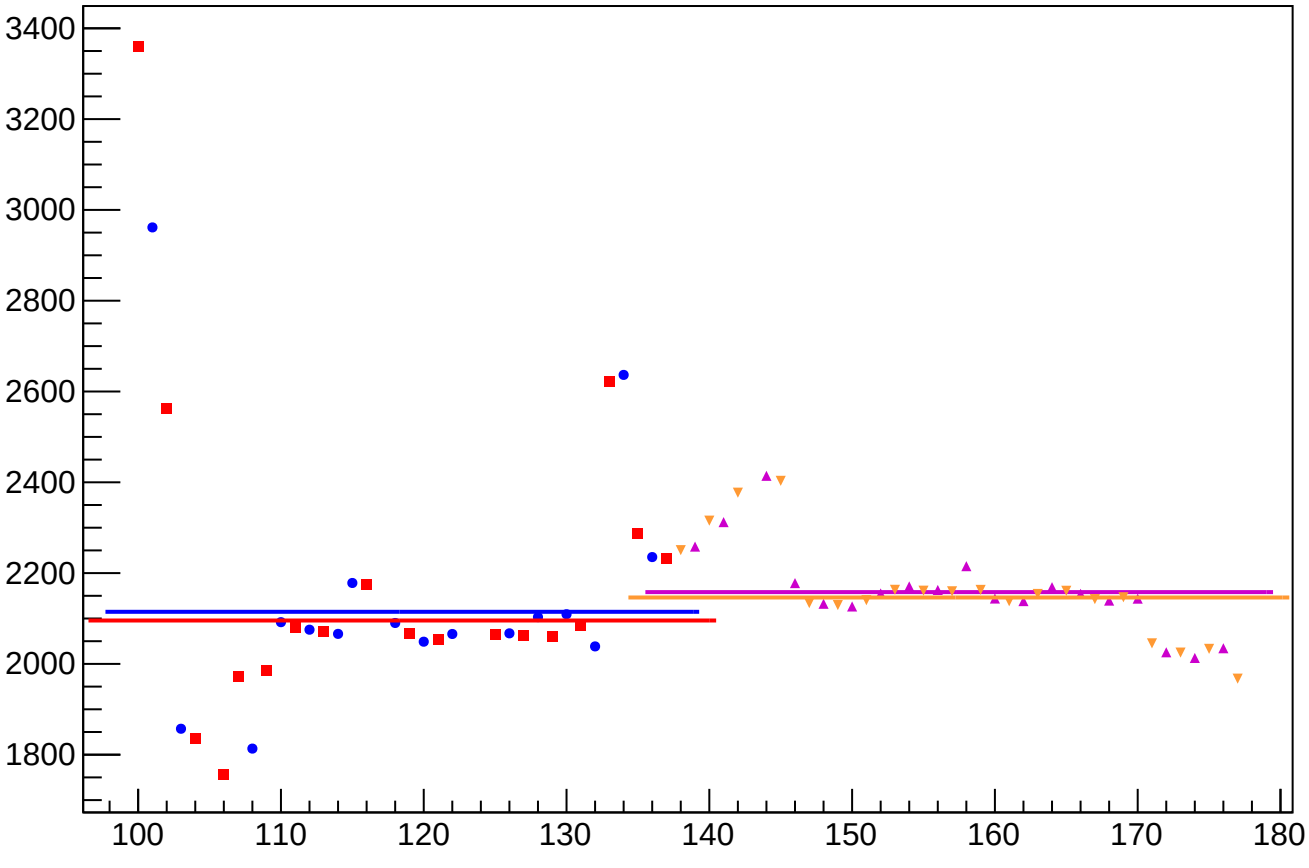
Left: -592.295+/-384.411 χ^2/NDF: 35.8/38

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -1020.386+/-450.638 χ^2/NDF:21.8/34

Out: -273.482+/-444.675 χ^2/NDF:40.3/37

All: -641.960+/-316.520 χ^2/NDF: 63.5/72



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2146.288+/-0.381 χ^2/NDF:67903.8/19

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2158.137+/-0.387 χ^2/NDF:54582.1/18

Left: 2152.120+/-0.272 χ^2/NDF: 122960.8/38

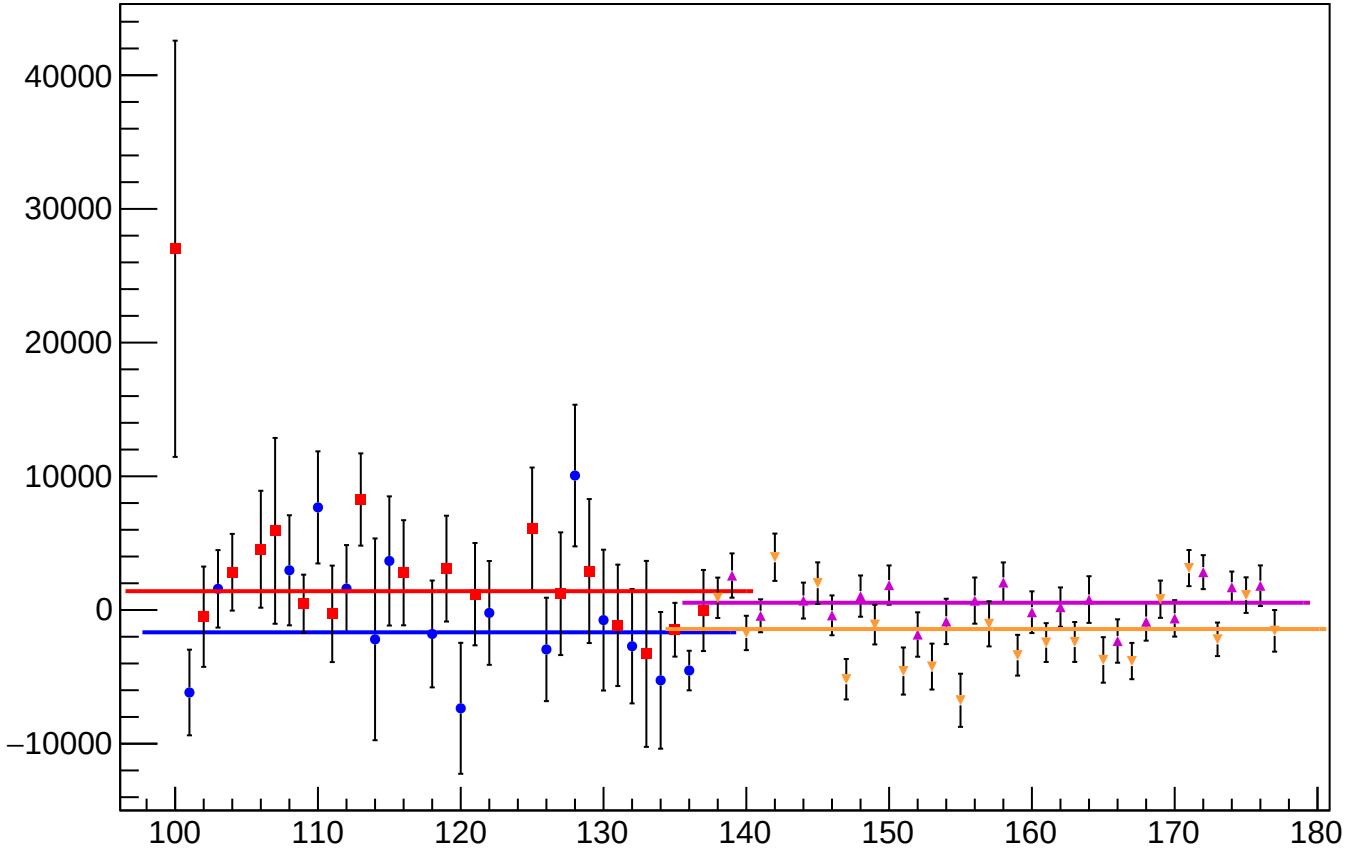
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2144.098+/-0.319 χ^2/NDF:248560.0/34

Out: 2130.042+/-0.314 χ^2/NDF:222924.4/37

All: 2136.976+/-0.224 χ^2/NDF: 472470.3/72

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: -1424.955+/-336.174 χ^2/NDF:61.3/19

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 543.318+/-337.160 χ^2/NDF:17.3/18

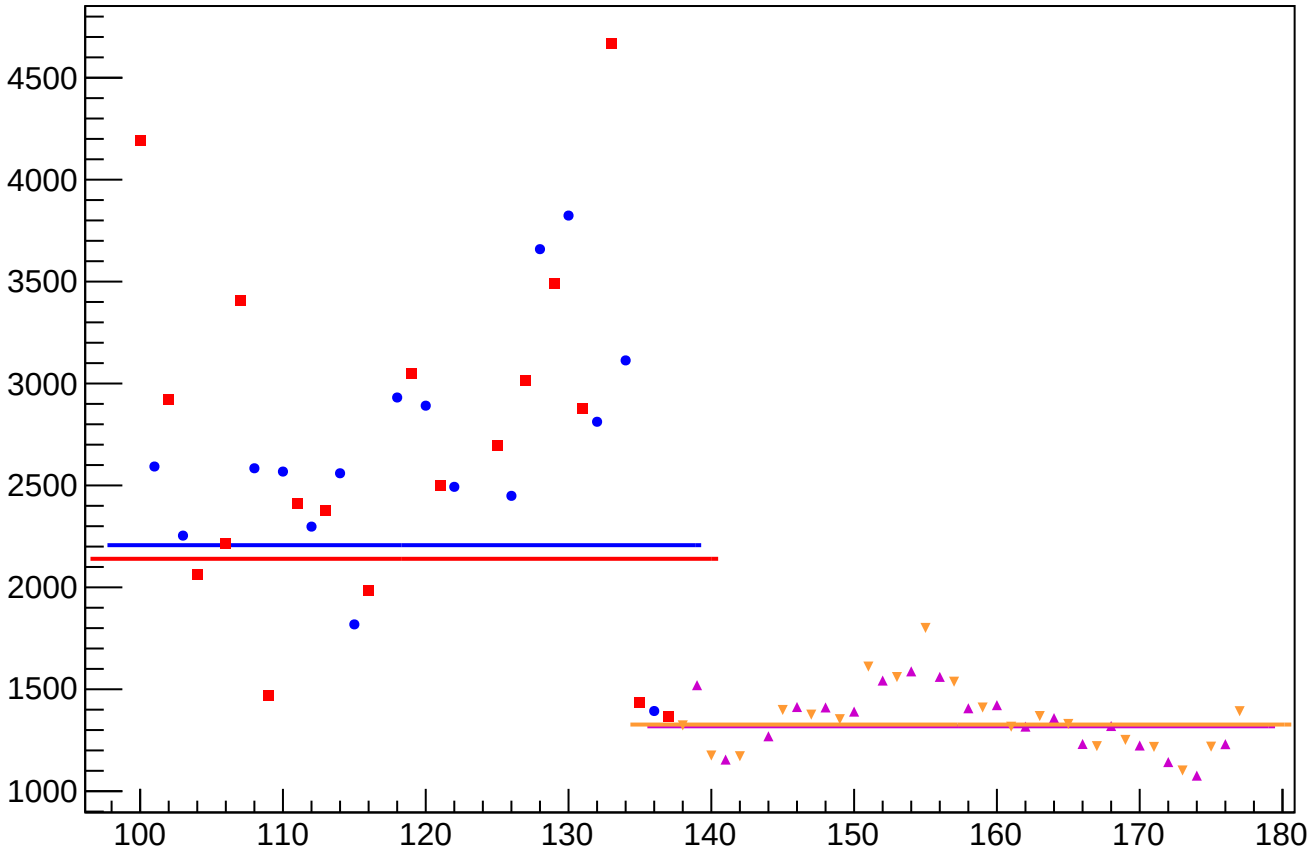
Left: -443.699+/-238.059 χ^2/NDF: 95.6/38

Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: 249.912+/-314.001 χ^2/NDF:45.5/34

Out: -1039.472+/-312.466 χ^2/NDF:83.9/37

All: -397.940+/-221.488 χ^2/NDF: 137.8/72



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1326.946+/-0.238 χ^2/NDF:404212.6/19

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1318.345+/-0.238 χ^2/NDF:376213.3/18

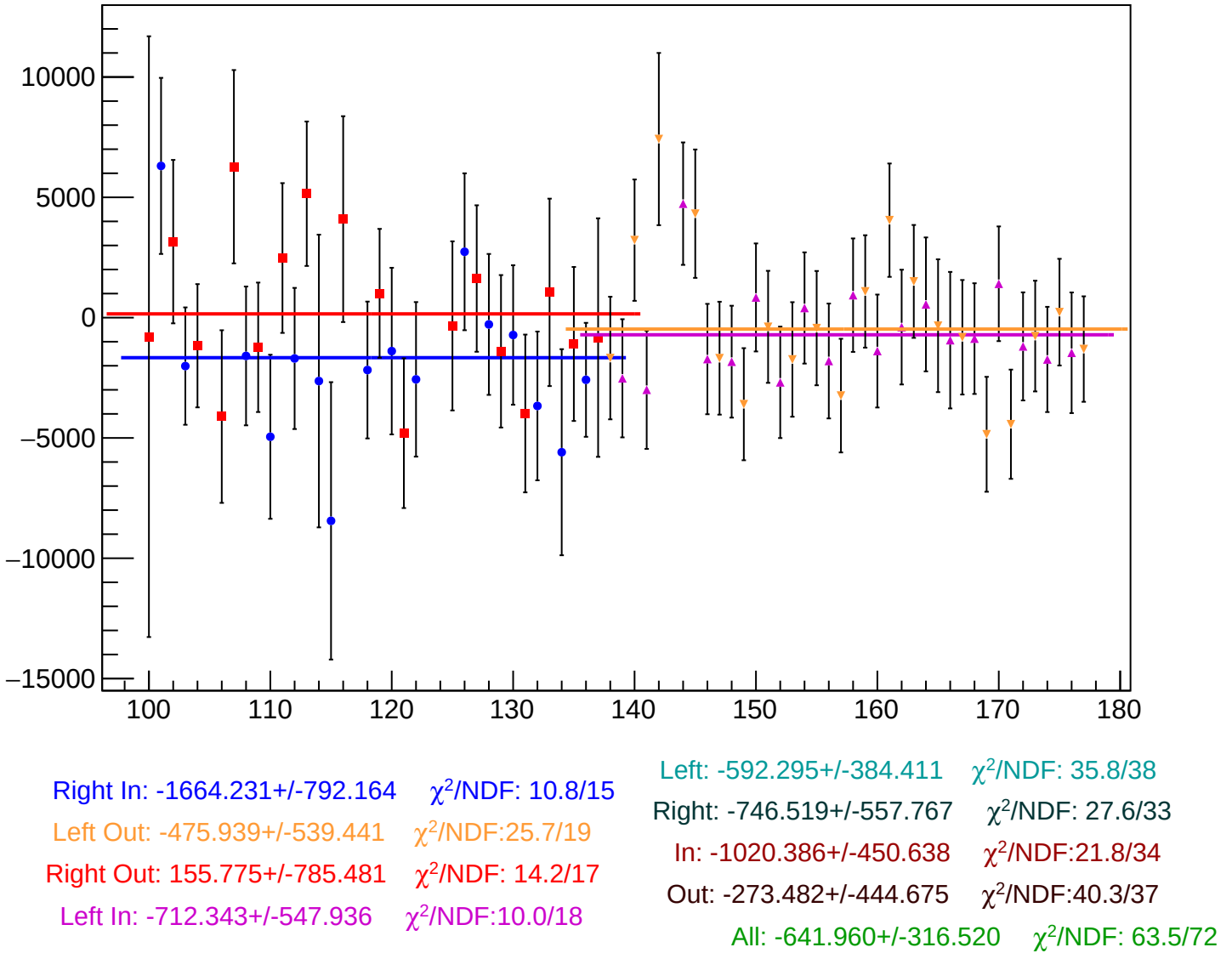
Left: 1322.658+/-0.168 χ^2/NDF: 781078.5/38

Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1436.219+/-0.222 χ^2/NDF:3467988.1/34

Out: 1437.588+/-0.221 χ^2/NDF:3444691.5/37

All: 1436.907+/-0.157 χ^2/NDF: 6912698.7/72


eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
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−5000
−10000
−15000
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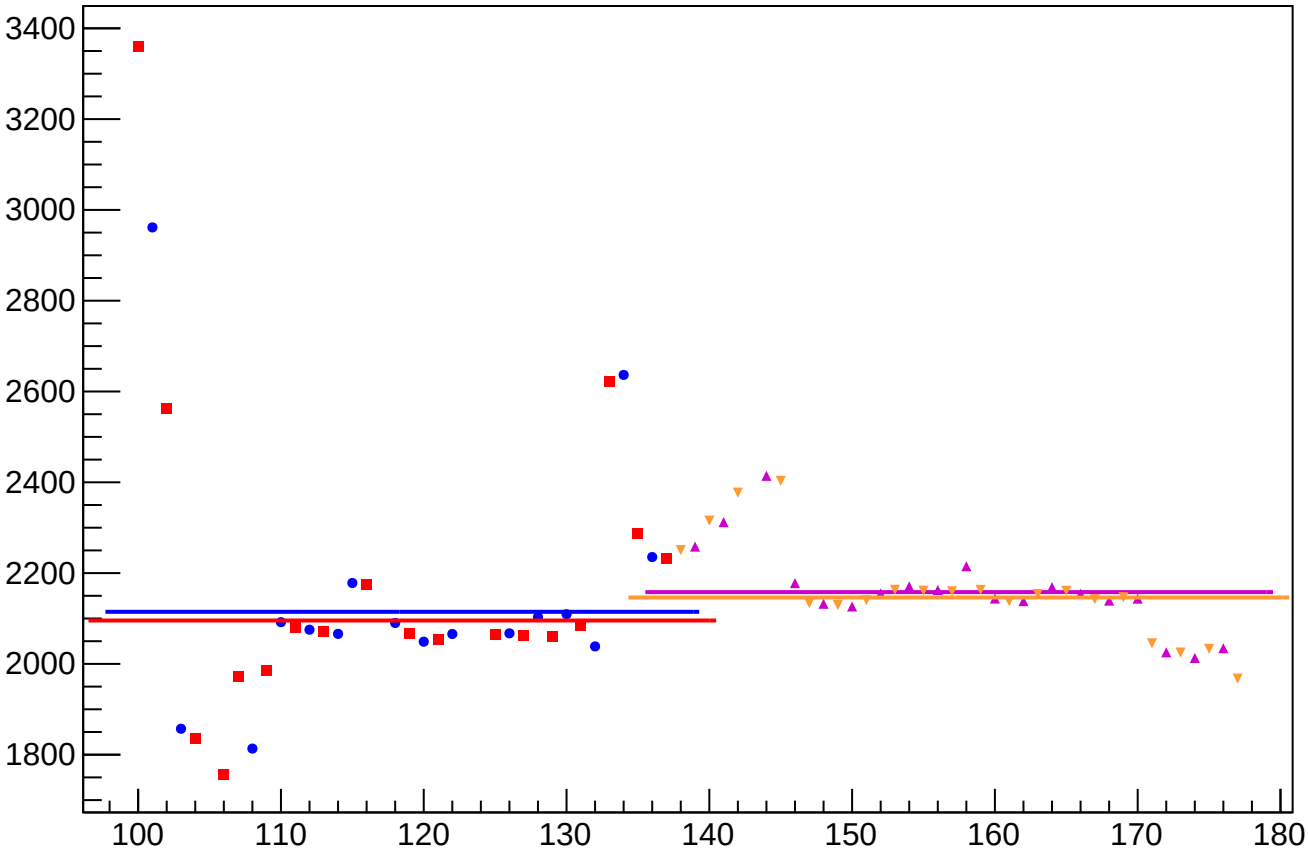
130
140
150
160
170
180
Right In: -1664.231+/-792.164 χ²/NDF: 10.8/15
Left Out: -475.939+/-539.441 χ²/NDF:25.7/19
Right Out: 155.775+/-785.481 χ²/NDF: 14.2/17
Left In: -712.343+/-547.936 χ²/NDF:10.0/18
Left: -592.295+/-384.411 χ²/NDF: 35.8/38
Right: -746.519+/-557.767 χ²/NDF: 27.6/33
In: -1020.386+/-450.638 χ²/NDF:21.8/34
Out: -273.482+/-444.675 χ²/NDF:40.3/37
All: -641.960+/-316.520 χ²/NDF: 63.5/72



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2146.288+/-0.381 χ^2/NDF:67903.8/19

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2158.137+/-0.387 χ^2/NDF:54582.1/18

Left: 2152.120+/-0.272 χ^2/NDF: 122960.8/38

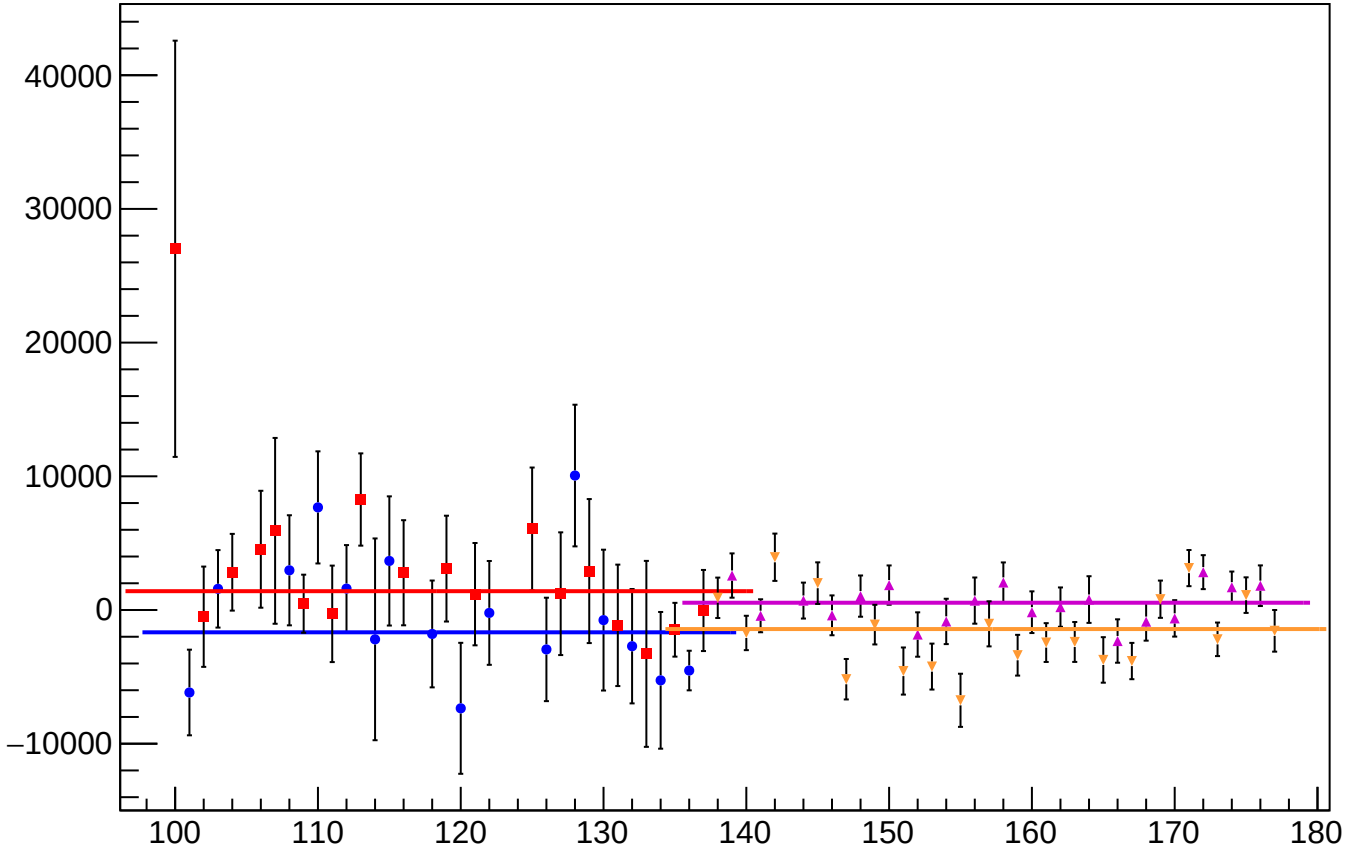
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2144.098+/-0.319 χ^2/NDF:248560.0/34

Out: 2130.042+/-0.314 χ^2/NDF:222924.4/37

All: 2136.976+/-0.224 χ^2/NDF: 472470.3/72

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: -1424.955+/-336.174 χ^2/NDF:61.3/19

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 543.318+/-337.160 χ^2/NDF:17.3/18

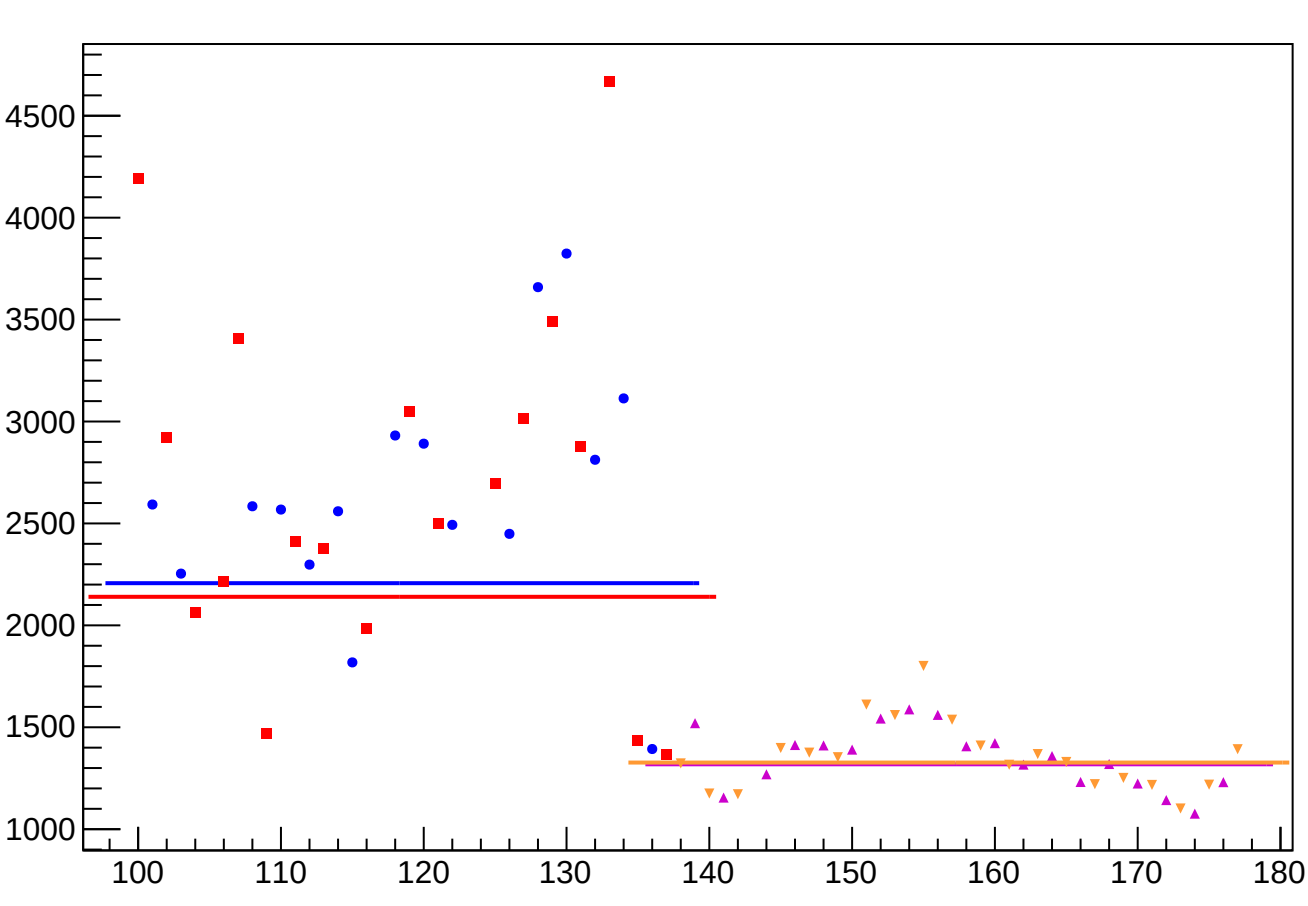
Left: -443.699+/-238.059 χ^2/NDF: 95.6/38

Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: 249.912+/-314.001 χ^2/NDF:45.5/34

Out: -1039.472+/-312.466 χ^2/NDF:83.9/37

All: -397.940+/-221.488 χ^2/NDF: 137.8/72



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1326.946+/-0.238 χ^2/NDF:404212.6/19

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1318.345+/-0.238 χ^2/NDF:376213.3/18

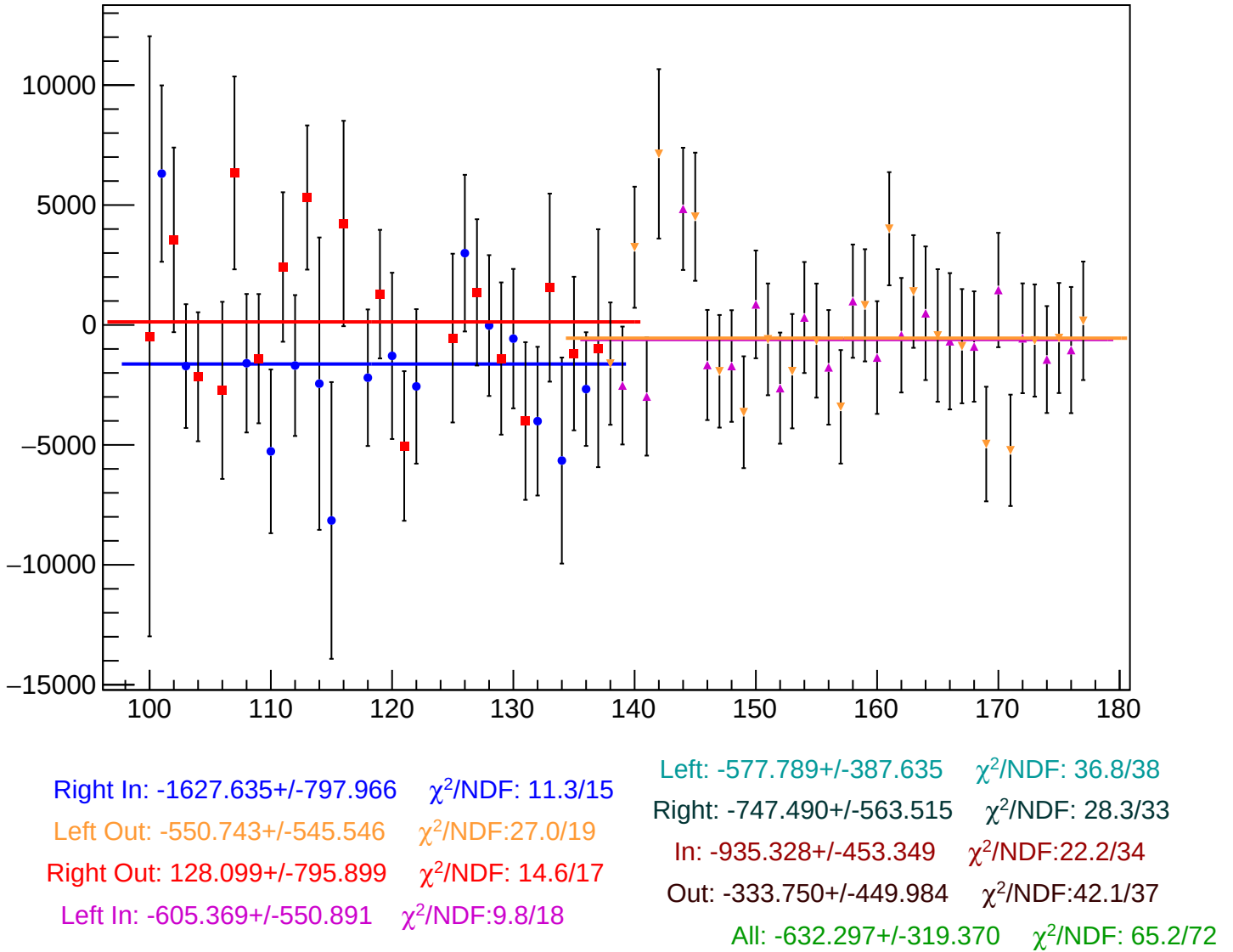
Left: 1322.658+/-0.168 χ^2/NDF: 781078.5/38

Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1436.219+/-0.222 χ^2/NDF:3467988.1/34

Out: 1437.588+/-0.221 χ^2/NDF:3444691.5/37

All: 1436.907+/-0.157 χ^2/NDF: 6912698.7/72


dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
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−5000
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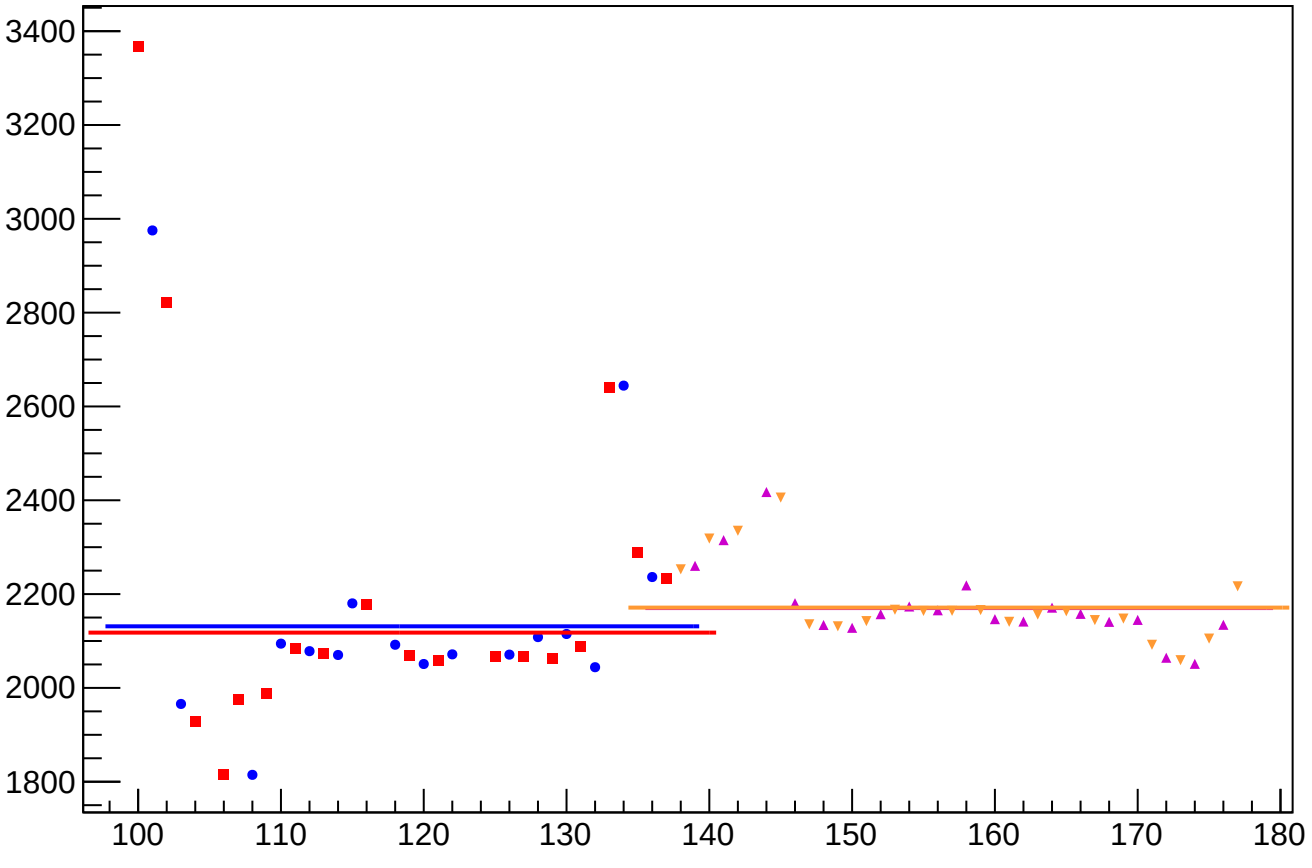
−15000
100
110
120
130
140
150
160
170
180
Right In: -1627.635+/-797.966 χ²/NDF: 11.3/15
Left Out: -550.743+/-545.546 χ²/NDF:27.0/19
Right Out: 128.099+/-795.899 χ²/NDF: 14.6/17
Left In: -605.369+/-550.891 χ²/NDF:9.8/18
Left: -577.789+/-387.635 χ²/NDF: 36.8/38
Right: -747.490+/-563.515 χ²/NDF: 28.3/33
In: -935.328+/-453.349 χ²/NDF:22.2/34
Out: -333.750+/-449.984 χ²/NDF:42.1/37
All: -632.297+/-319.370 χ²/NDF: 65.2/72



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2171.182+/-0.386 χ^2/NDF:40101.7/19

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2170.212+/-0.390 χ^2/NDF:42013.4/18

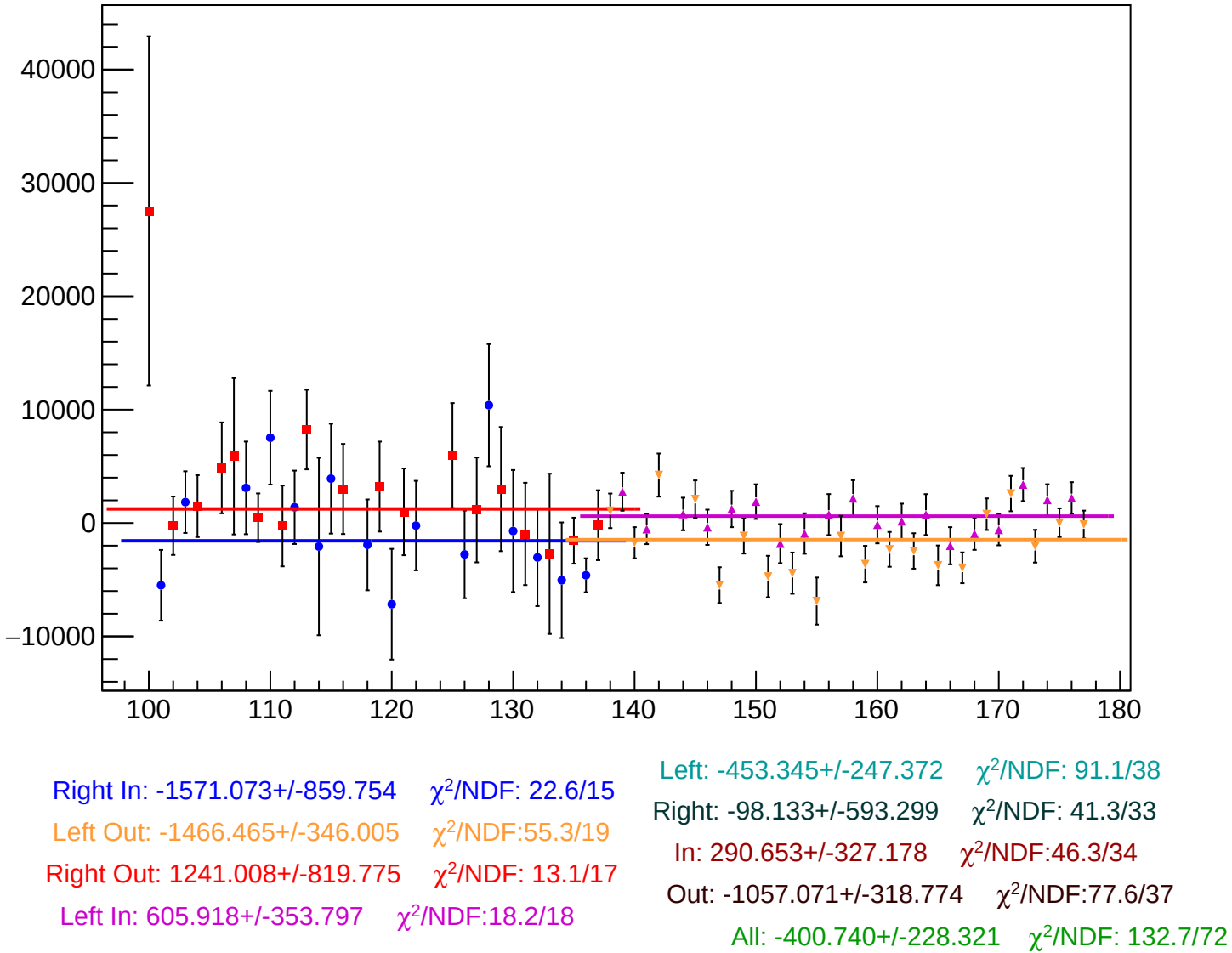
Left: 2170.702+/-0.274 χ^2/NDF: 82118.2/38

Right: 2124.565+/-0.398 χ^2/NDF: 339850.1/33

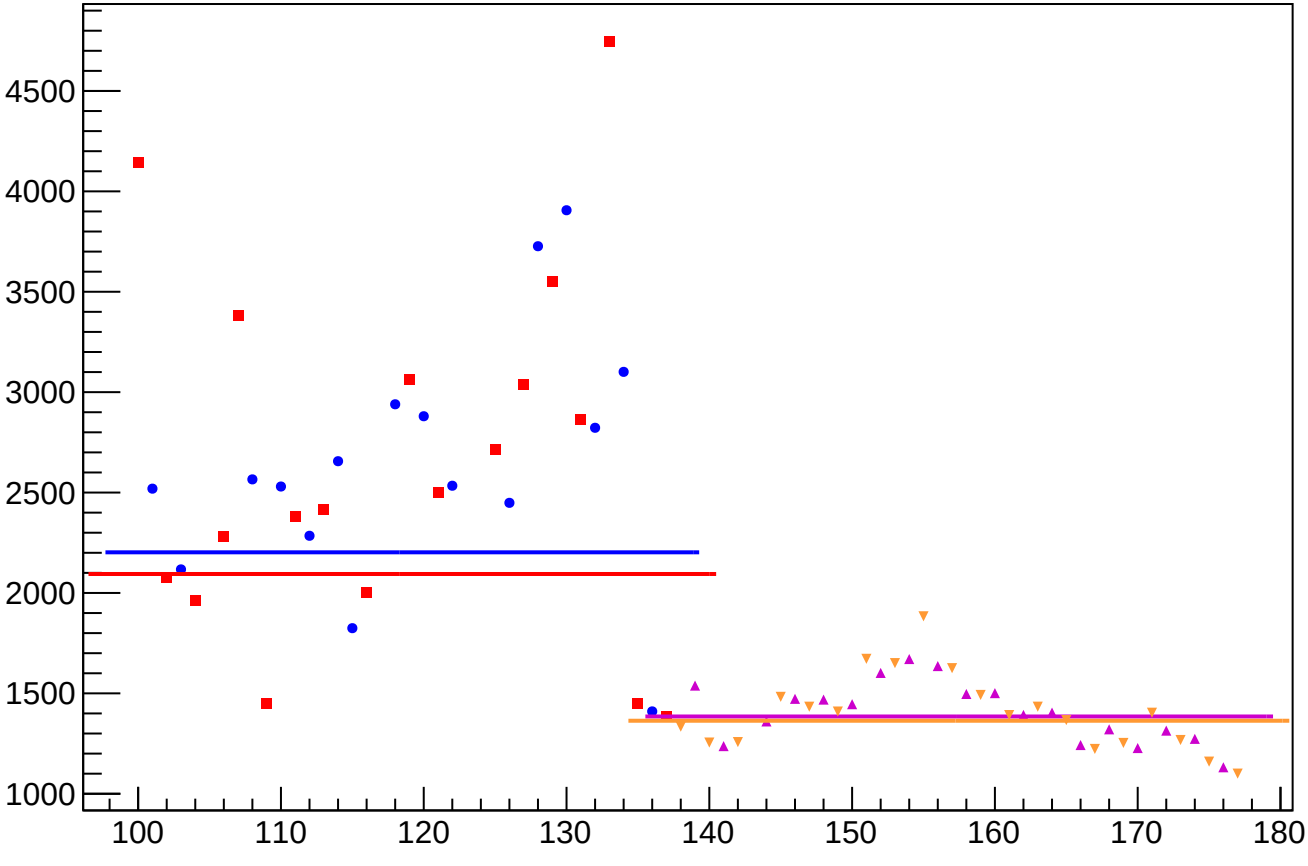
In: 2157.652+/-0.321 χ^2/NDF:221177.8/34

Out: 2154.140+/-0.318 χ^2/NDF:209830.2/37

All: 2155.883+/-0.226 χ^2/NDF: 431068.4/72


asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
180
Right In: -1571.073+/-859.754 χ²/NDF: 22.6/15
Left Out: -1466.465+/-346.005 χ²/NDF:55.3/19
Right Out: 1241.008+/-819.775 χ²/NDF: 13.1/17
Left In: 605.918+/-353.797 χ²/NDF:18.2/18
Left: -453.345+/-247.372 χ²/NDF: 91.1/38
Right: -98.133+/-593.299 χ²/NDF: 41.3/33
In: 290.653+/-327.178 χ²/NDF:46.3/34
Out: -1057.071+/-318.774 χ²/NDF:77.6/37
All: -400.740+/-228.321 χ²/NDF: 132.7/72

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: 1363.625+/-0.245 χ^2/NDF:515920.9/19

Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1384.802+/-0.250 χ^2/NDF:328155.6/18

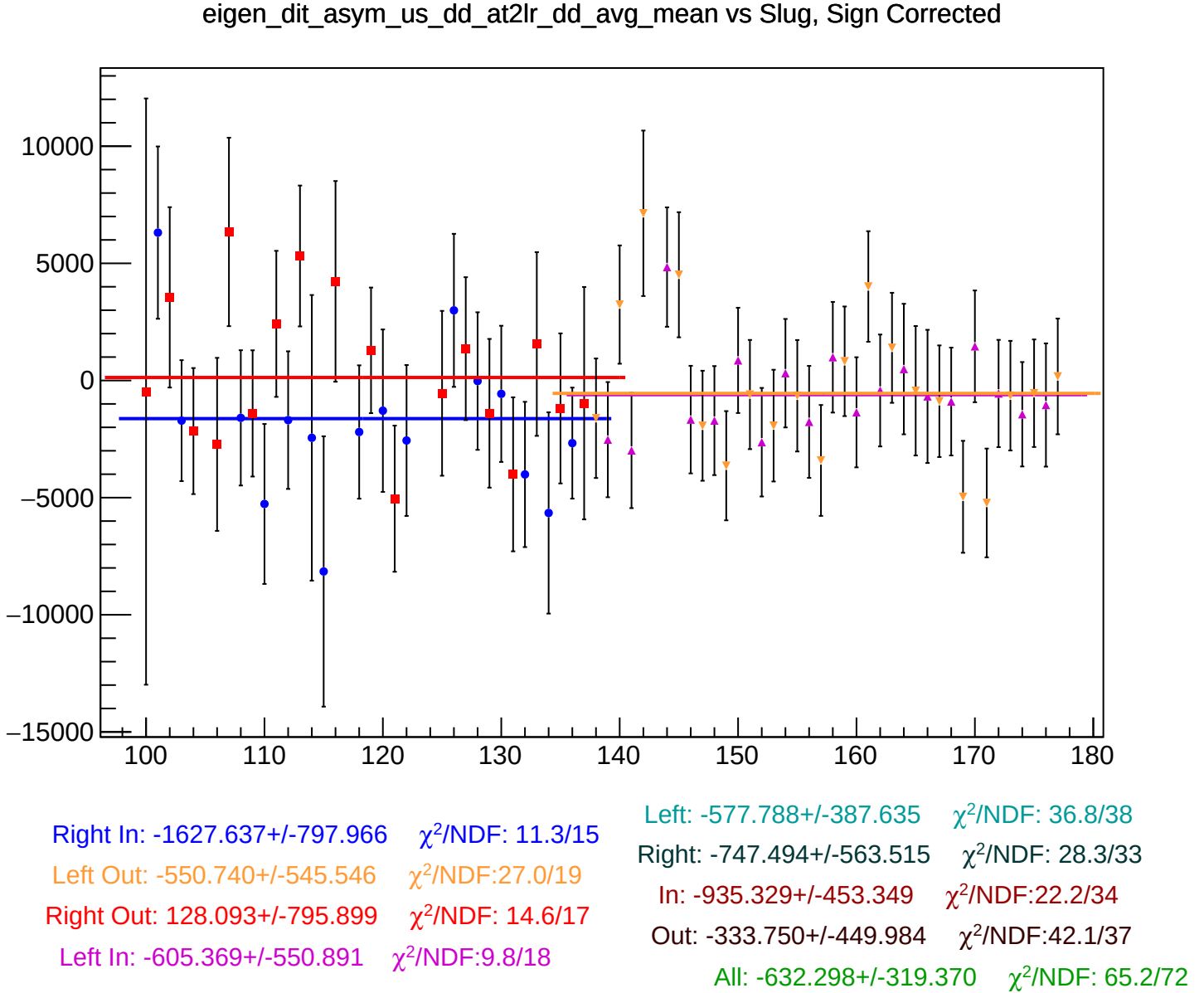
Left: 1373.977+/-0.175 χ^2/NDF: 847739.0/38

Right: 2145.844+/-0.420 χ^2/NDF: 2613152.0/33

In: 1503.201+/-0.231 χ^2/NDF:3097792.2/34

Out: 1474.131+/-0.225 χ^2/NDF:3238754.8/37

All: 1488.288+/-0.161 χ^2/NDF: 6344646.5/72


eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
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120
130
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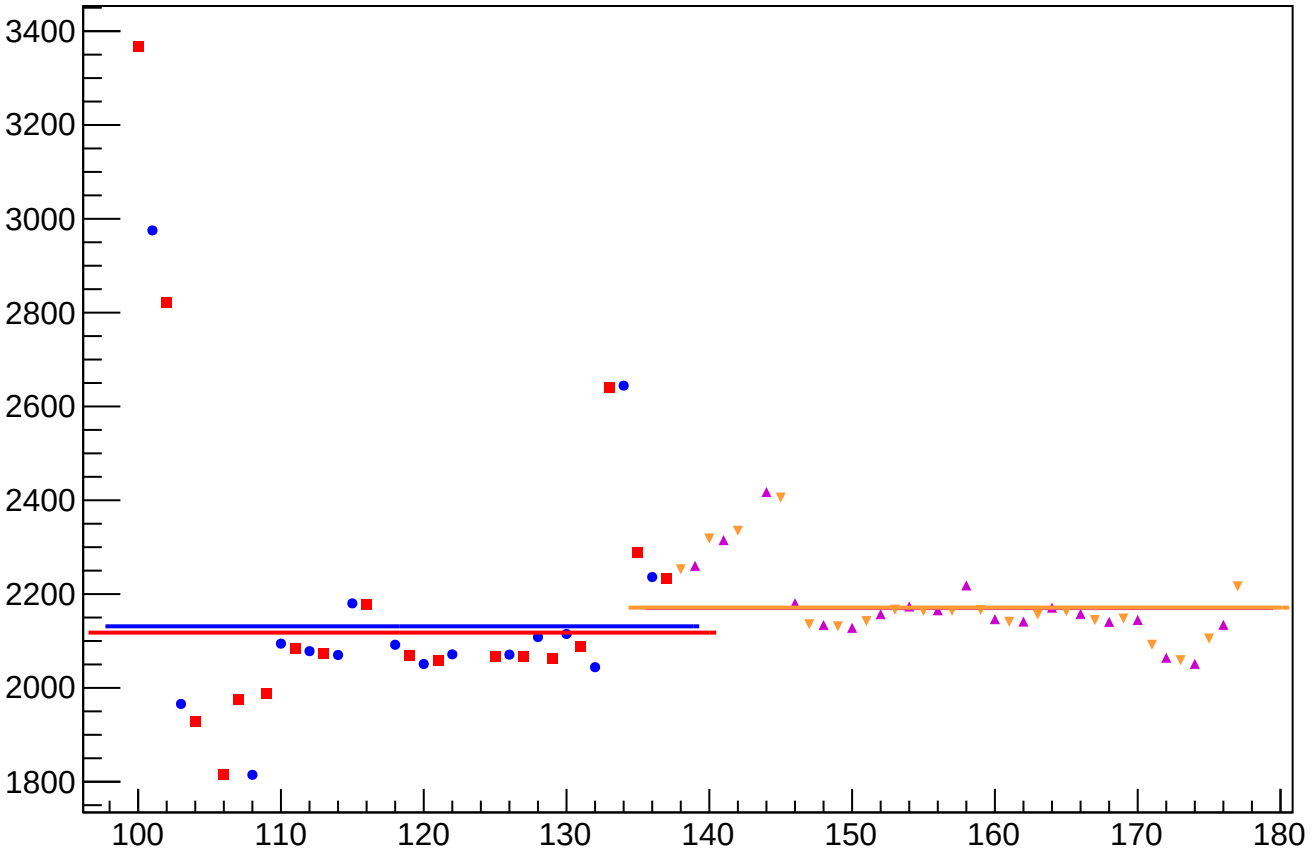
160
170
180
Right In: -1627.637+/-797.966 χ²/NDF: 11.3/15
Left Out: -550.740+/-545.546 χ²/NDF:27.0/19
Right Out: 128.093+/-795.899 χ²/NDF: 14.6/17
Left In: -605.369+/-550.891 χ²/NDF:9.8/18
Left: -577.788+/-387.635 χ²/NDF: 36.8/38
Right: -747.494+/-563.515 χ²/NDF: 28.3/33
In: -935.329+/-453.349 χ²/NDF:22.2/34
Out: -333.750+/-449.984 χ²/NDF:42.1/37
All: -632.298+/-319.370 χ²/NDF: 65.2/72



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2171.182+/-0.386 χ^2/NDF:40101.9/19

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2170.212+/-0.390 χ^2/NDF:42013.6/18

Left: 2170.702+/-0.274 χ^2/NDF: 82118.6/38

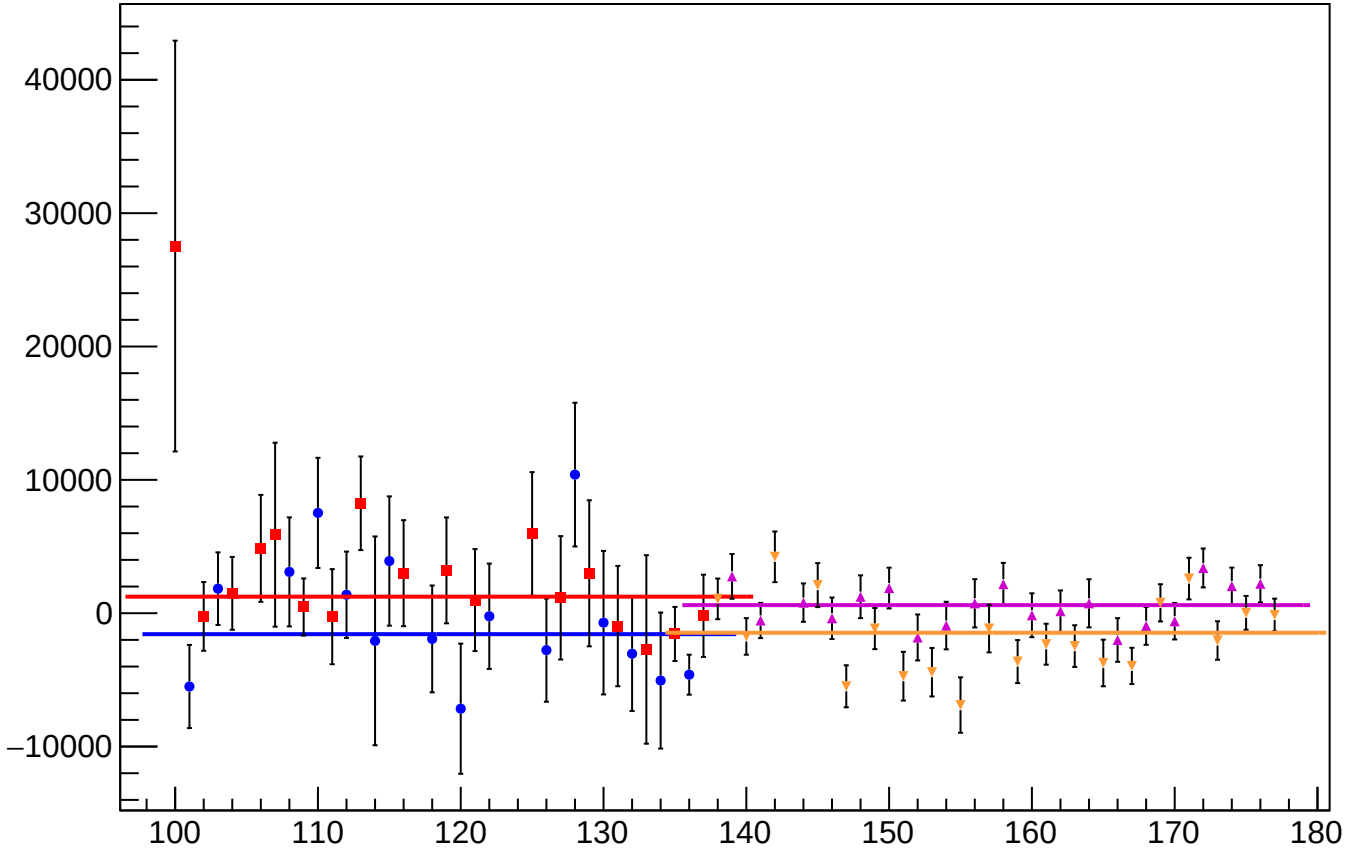
Right: 2124.565+/-0.398 χ^2/NDF: 339849.9/33

In: 2157.651+/-0.321 χ^2/NDF:221177.9/34

Out: 2154.140+/-0.318 χ^2/NDF:209830.3/37

All: 2155.883+/-0.226 χ^2/NDF: 431068.7/72

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: -1466.468+/-346.005 χ^2/NDF:55.3/19

Right Out: 1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: 605.914+/-353.797 χ^2/NDF:18.2/18

Left: -453.348+/-247.371 χ^2/NDF: 91.1/38

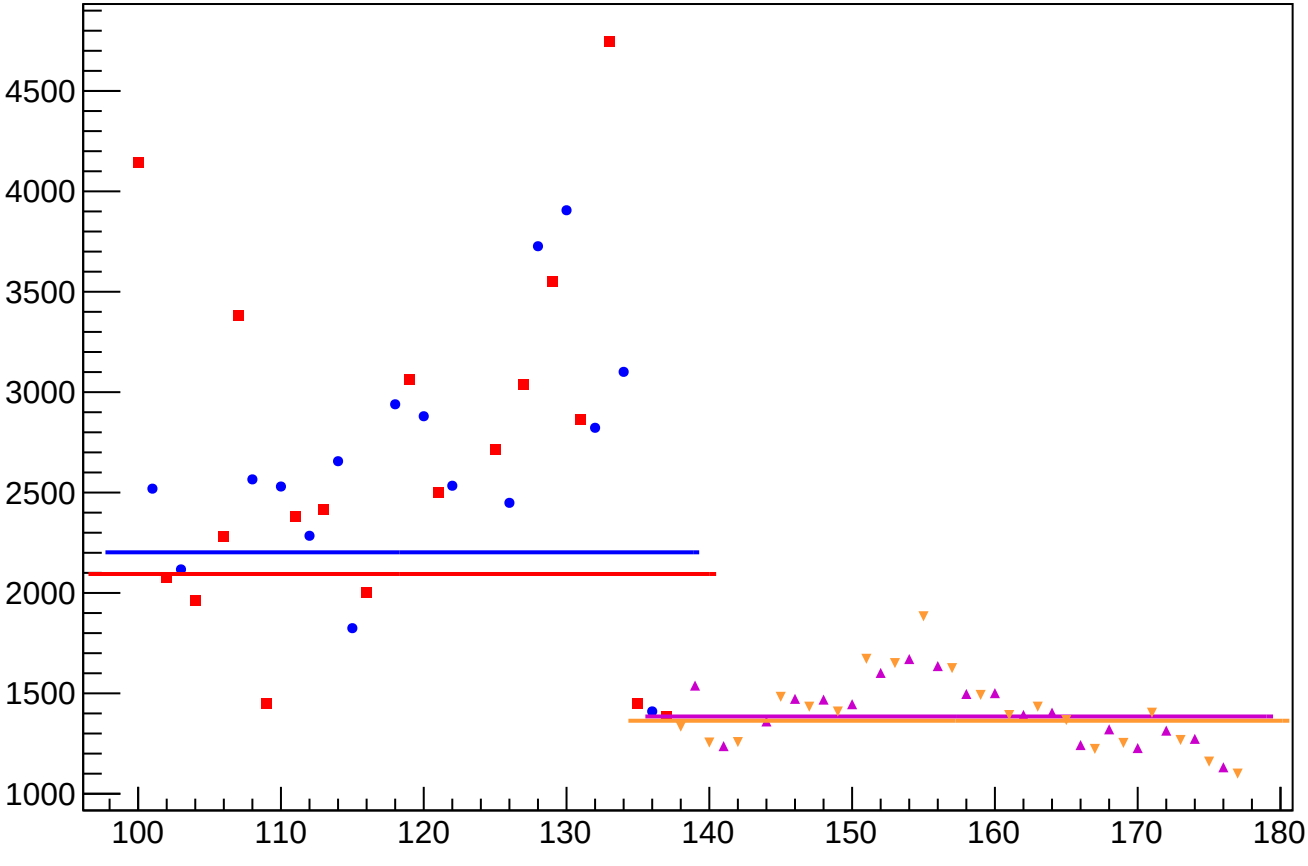
Right: -98.119+/-593.301 χ^2/NDF: 41.3/33

In: 290.654+/-327.178 χ^2/NDF:46.3/34

Out: -1057.074+/-318.775 χ^2/NDF:77.6/37

All: -400.740+/-228.321 χ^2/NDF: 132.7/72

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: 1363.625+/-0.245 χ^2/NDF:515916.4/19

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

Left In: 1384.801+/-0.250 χ^2/NDF:328160.9/18

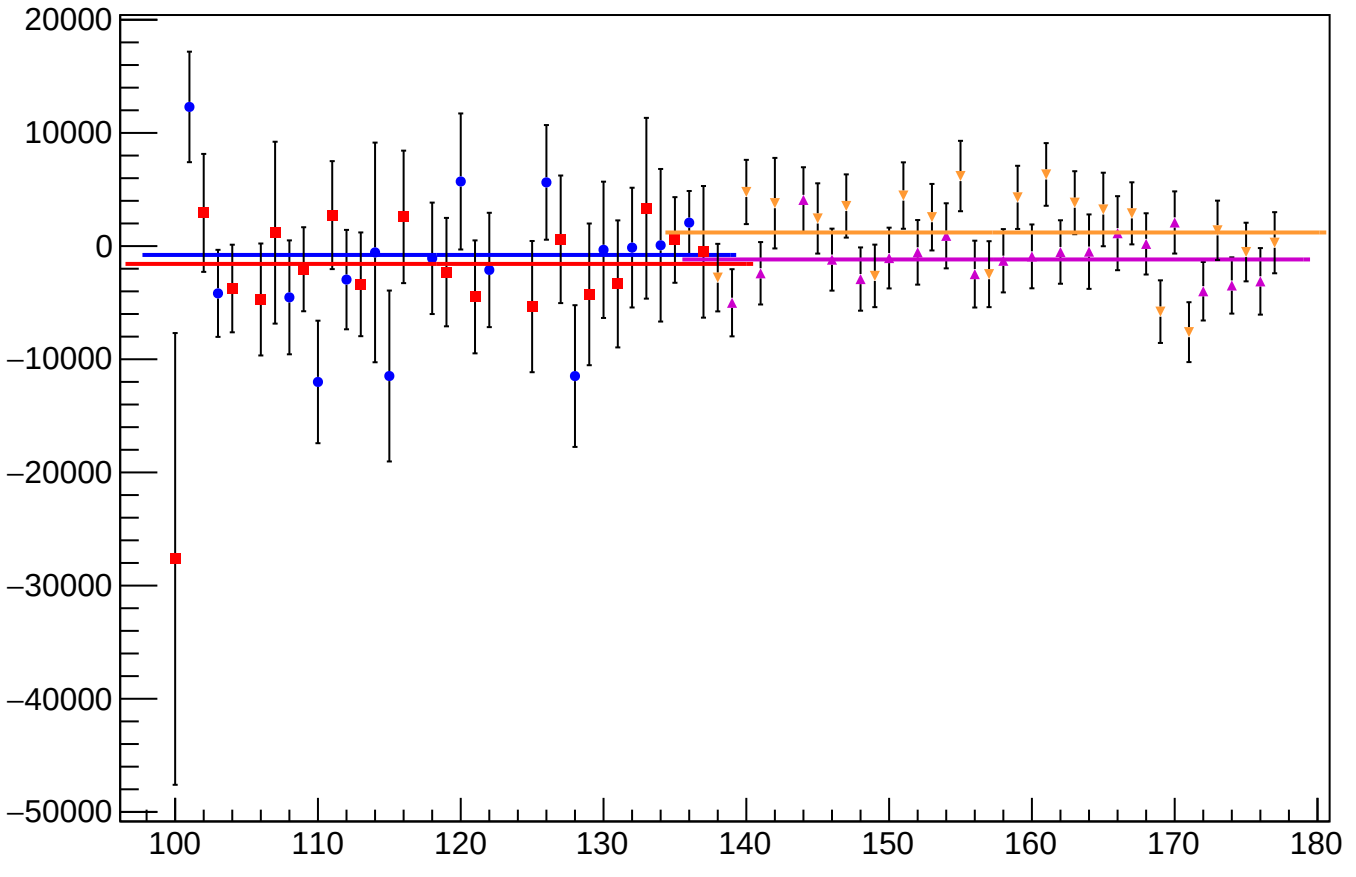
Left: 1373.977+/-0.175 χ^2/NDF: 847739.4/38

Right: 2145.856+/-0.420 χ^2/NDF: 2613045.0/33

In: 1503.201+/-0.231 χ^2/NDF:3097778.9/34

Out: 1474.133+/-0.225 χ^2/NDF:3238737.5/37

All: 1488.289+/-0.161 χ^2/NDF: 6344615.2/72



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 1202.649+/-640.819 χ^2/NDF:36.6/19

Right Out: -1574.673+/-1218.961 χ^2/NDF: 6.7/17

Left In: -1180.491+/-647.381 χ^2/NDF:11.1/18

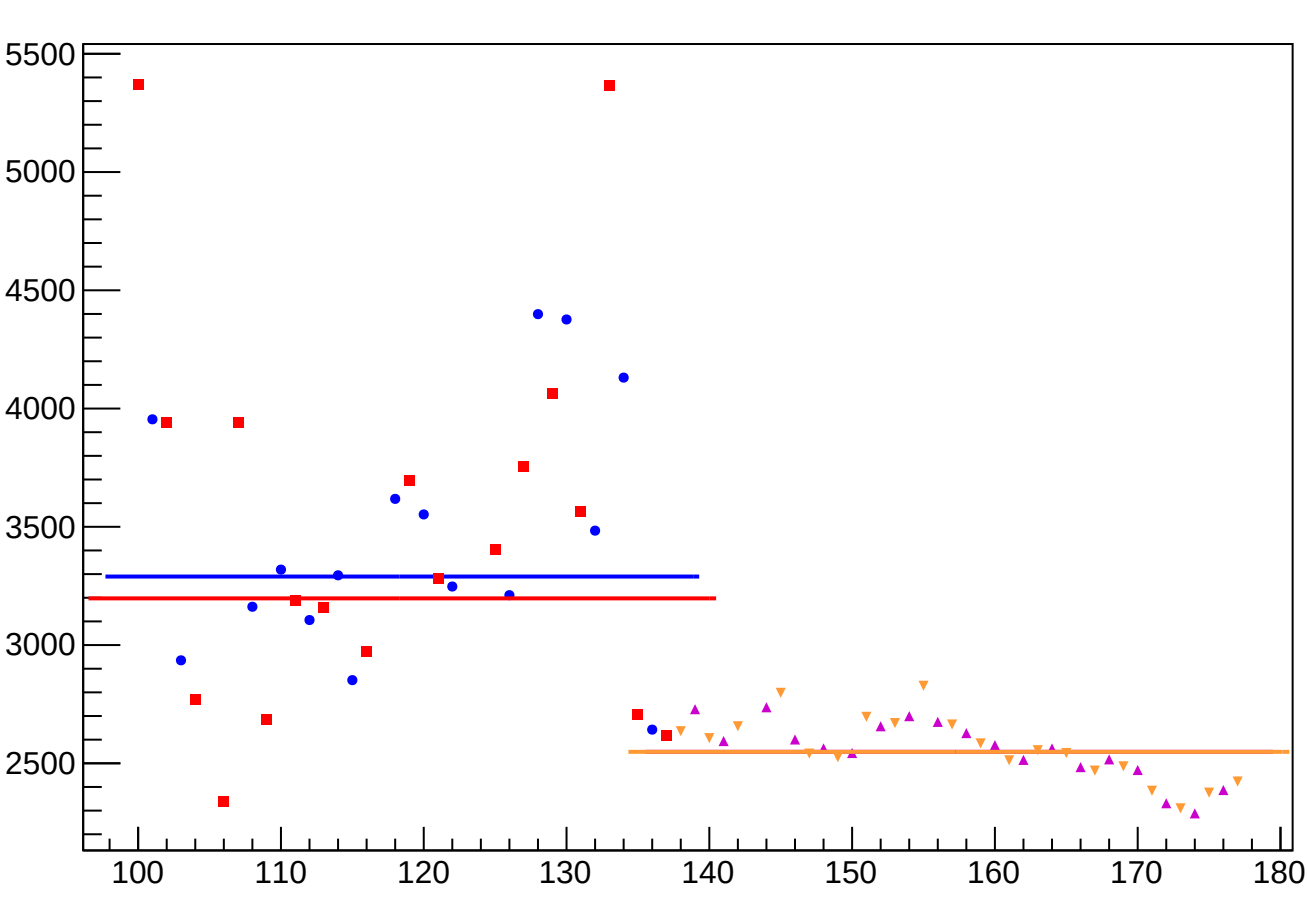
Left: 23.218+/-455.430 χ^2/NDF: 54.5/38

Right: -1185.478+/-869.867 χ^2/NDF: 28.8/33

In: -1095.242+/-574.047 χ^2/NDF:33.1/34

Out: 601.280+/-567.214 χ^2/NDF:47.4/37

All: -236.825+/-403.475 χ^2/NDF: 84.9/72



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2548.514+/-0.453 χ^2/NDF:85690.4/19

Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

Left In: 2548.572+/-0.458 χ^2/NDF:76164.5/18

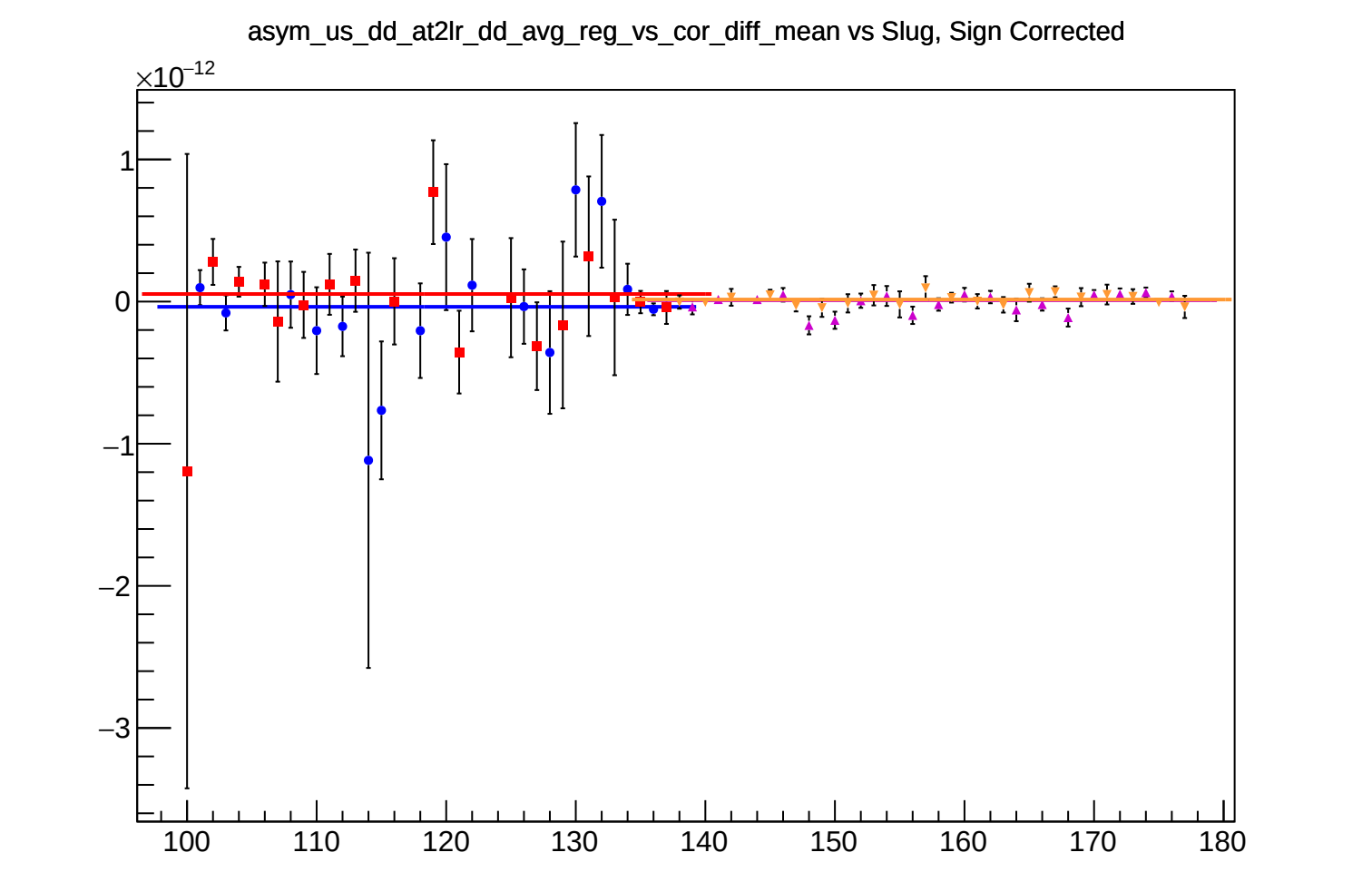
Left: 2548.543+/-0.322 χ^2/NDF: 161854.9/38

Right: 3242.678+/-0.615 χ^2/NDF: 853157.4/33

In: 2706.967+/-0.406 χ^2/NDF:983953.3/34

Out: 2689.014+/-0.401 χ^2/NDF:1029629.0/37

All: 2697.883+/-0.285 χ^2/NDF: 2014572.0/72



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:29.5/18

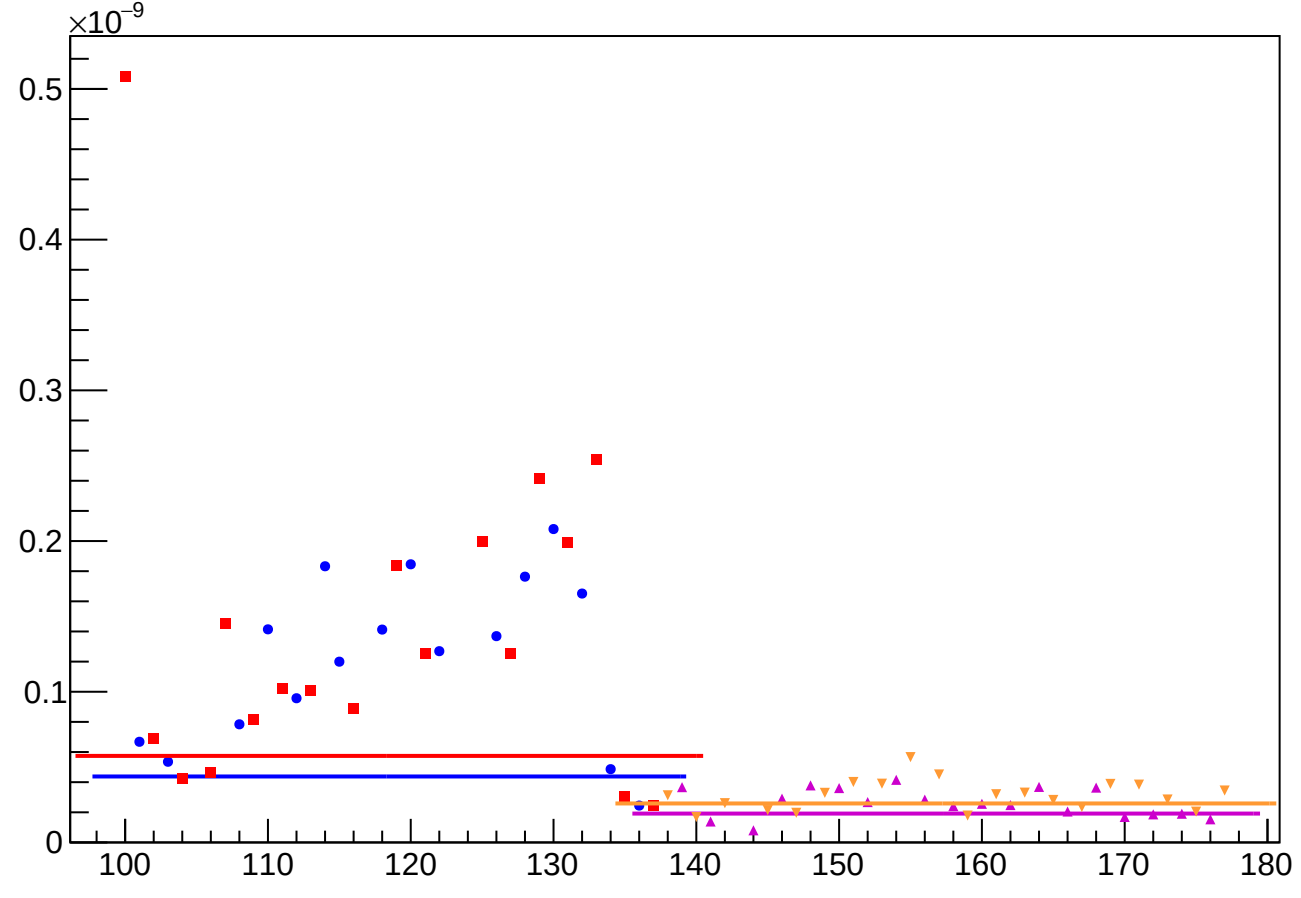
Left: 0.000+/-0.000 χ^2/NDF: 38.8/38

Right: -0.000+/-0.000 χ^2/NDF: 28.4/33

In: 0.000+/-0.000 χ^2/NDF:44.3/34

Out: 0.000+/-0.000 χ^2/NDF:22.5/37

All: 0.000+/-0.000 χ^2/NDF: 67.4/72



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1208310.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2086696.1/17

Left In: 0.000+/-0.000 χ^2/NDF:2135787.5/18

Left: 0.000+/-0.000 χ^2/NDF: 3794510.4/38

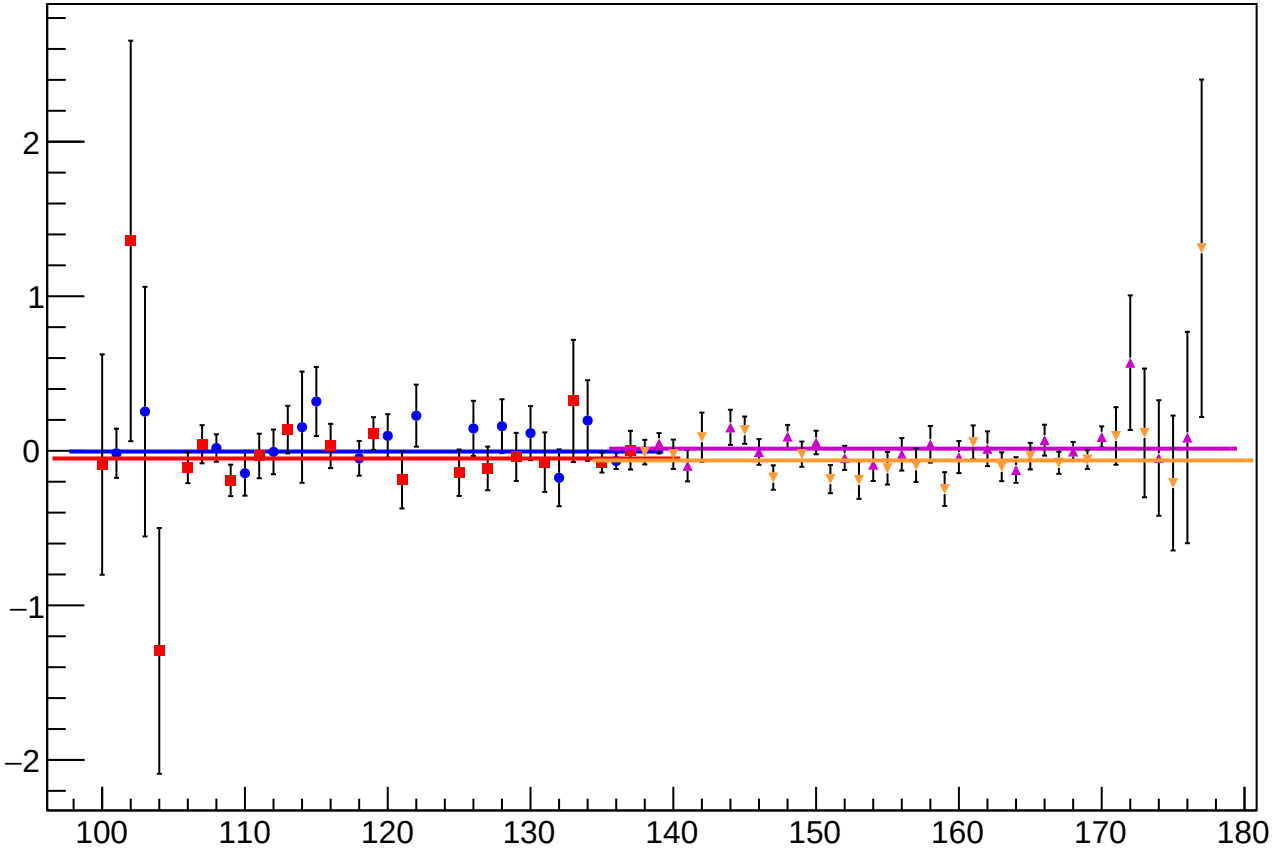
Right: 0.000+/-0.000 χ^2/NDF: 4436407.3/33

In: 0.000+/-0.000 χ^2/NDF:5322365.7/34

Out: 0.000+/-0.000 χ^2/NDF:4292941.8/37

All: 0.000+/-0.000 χ^2/NDF: 10127584.0/72

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:18.8/19

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.014+/-0.021 χ^2/NDF:12.4/18

Left: -0.022+/-0.015 χ^2/NDF: 37.4/38

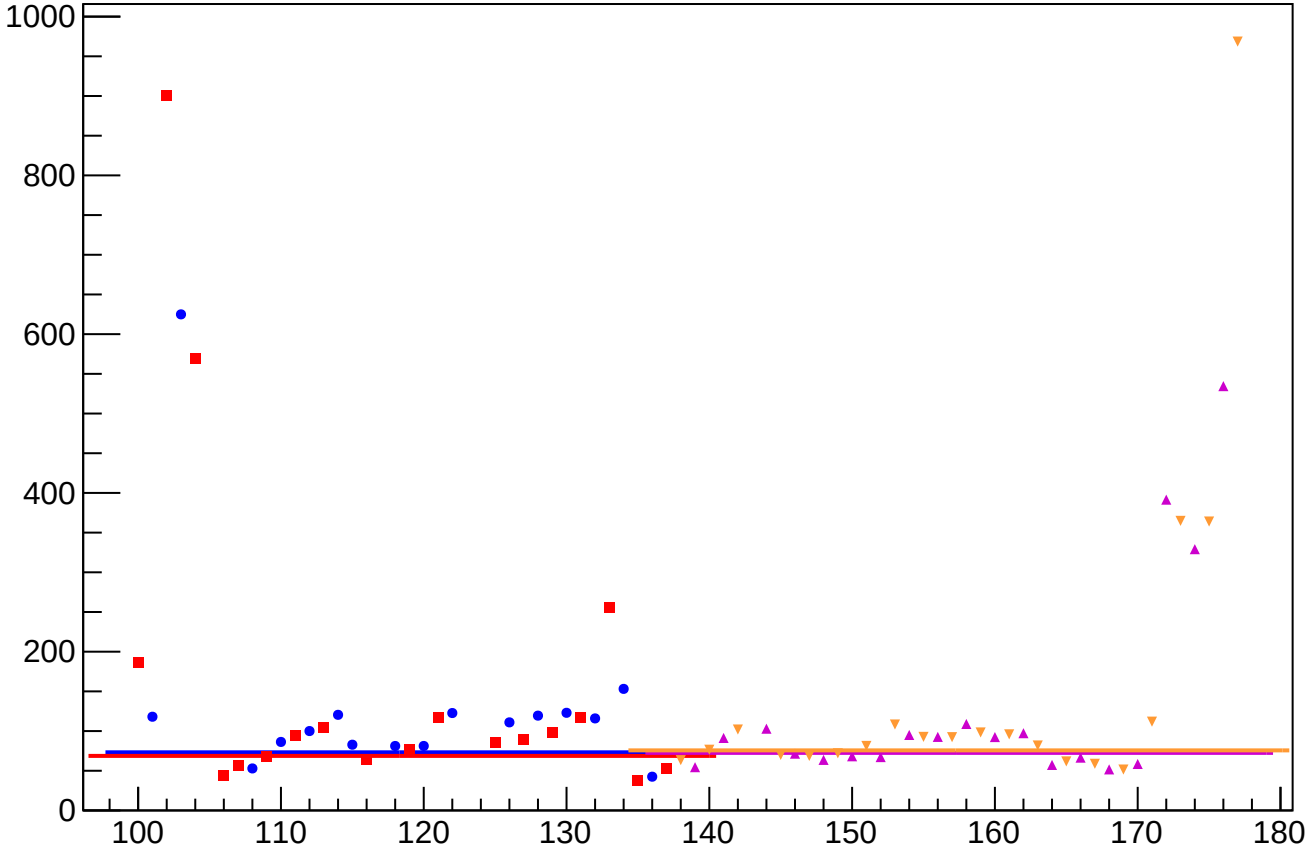
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.018 χ^2/NDF:23.0/34

Out: -0.058+/-0.018 χ^2/NDF:31.9/37

All: -0.024+/-0.013 χ^2/NDF: 61.8/72

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 75.679+/-0.016 χ^2/NDF:4276454.7/19

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 72.548+/-0.015 χ^2/NDF:4249015.2/18

Left: 74.042+/-0.011 χ^2/NDF: 8546368.5/38

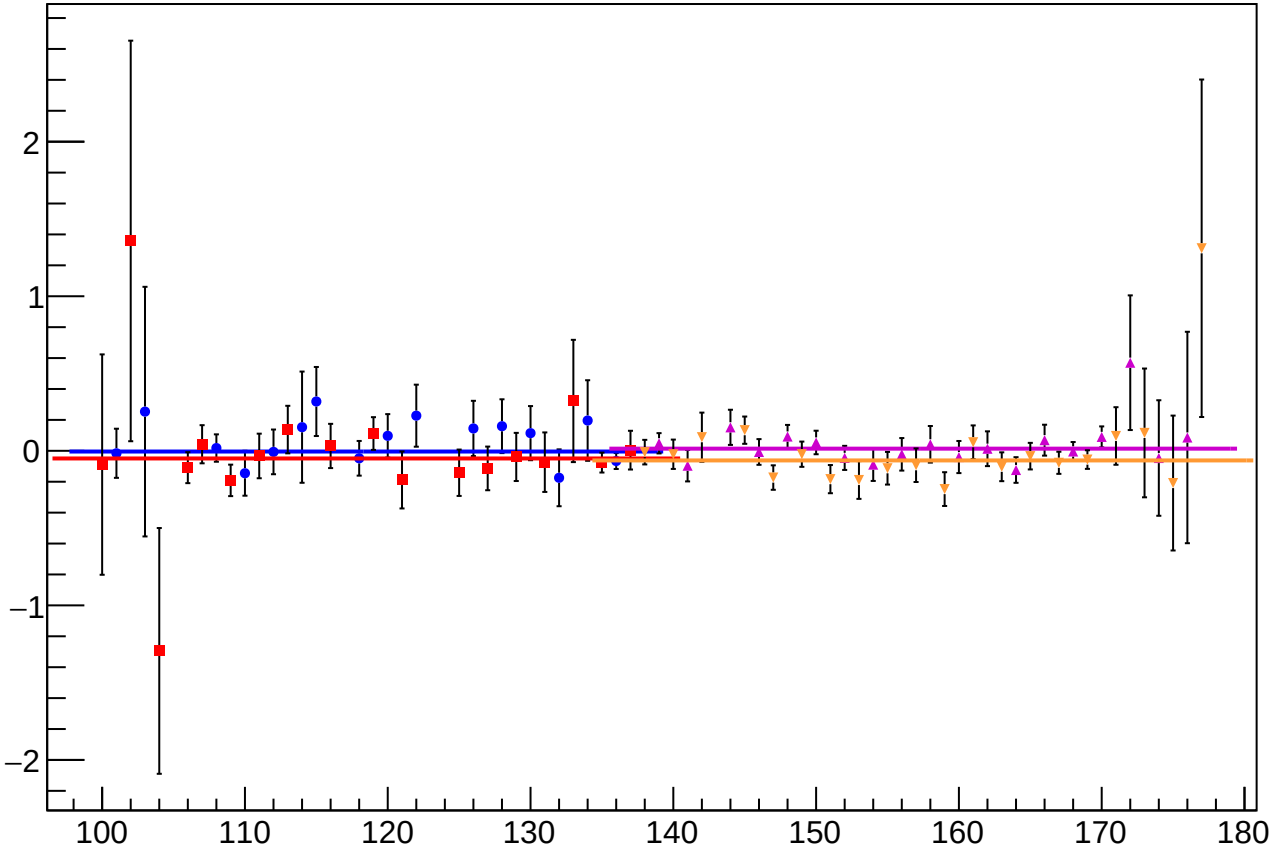
Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 72.755+/-0.013 χ^2/NDF:7104251.2/34

Out: 73.394+/-0.013 χ^2/NDF:7672998.6/37

All: 73.066+/-0.009 χ^2/NDF: 14778521.6/72

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:18.8/19

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.014+/-0.021 χ^2/NDF:12.4/18

Left: -0.022+/-0.015 χ^2/NDF: 37.4/38

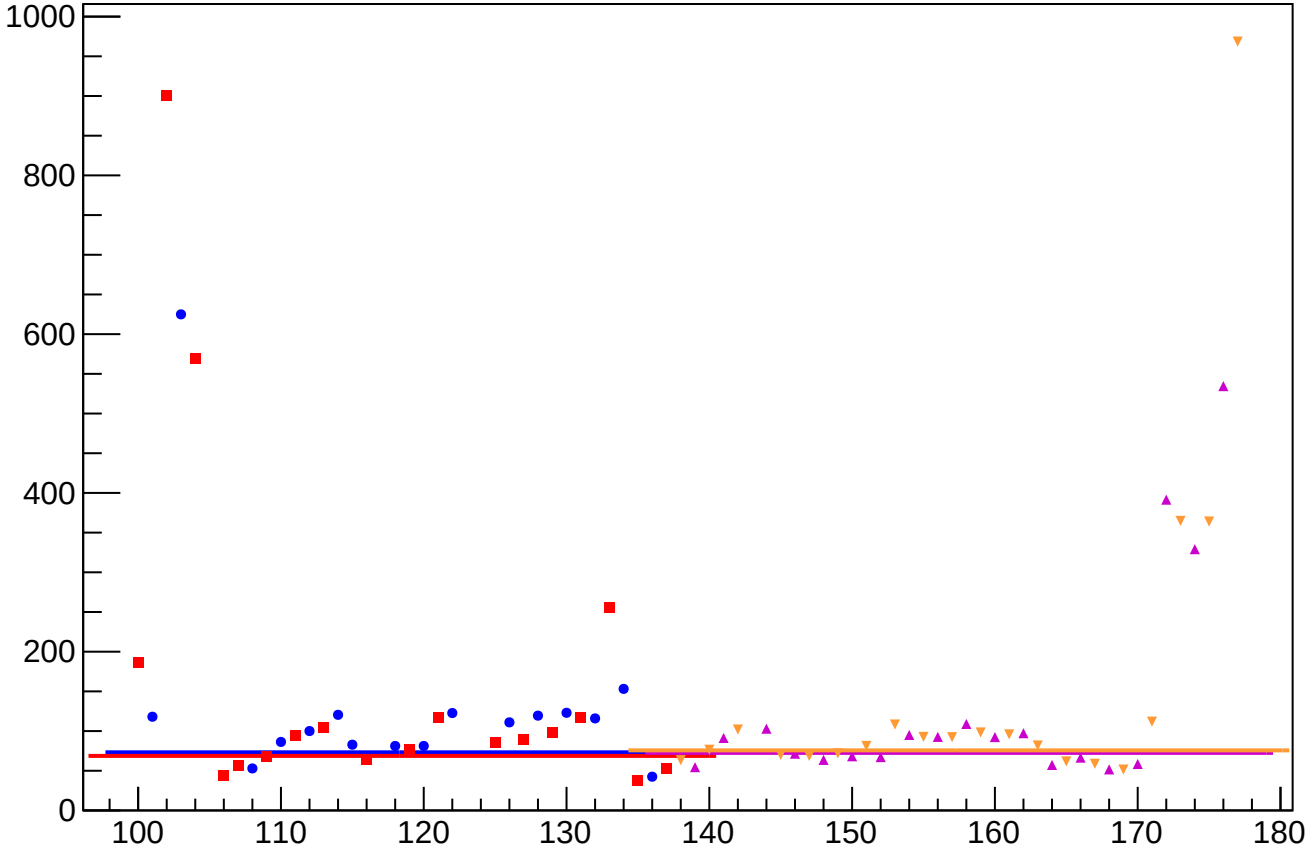
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.018 χ^2/NDF:23.0/34

Out: -0.058+/-0.018 χ^2/NDF:31.9/37

All: -0.024+/-0.013 χ^2/NDF: 61.8/72

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 75.679+/-0.016 χ^2/NDF:4276454.7/19

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 72.548+/-0.015 χ^2/NDF:4249015.2/18

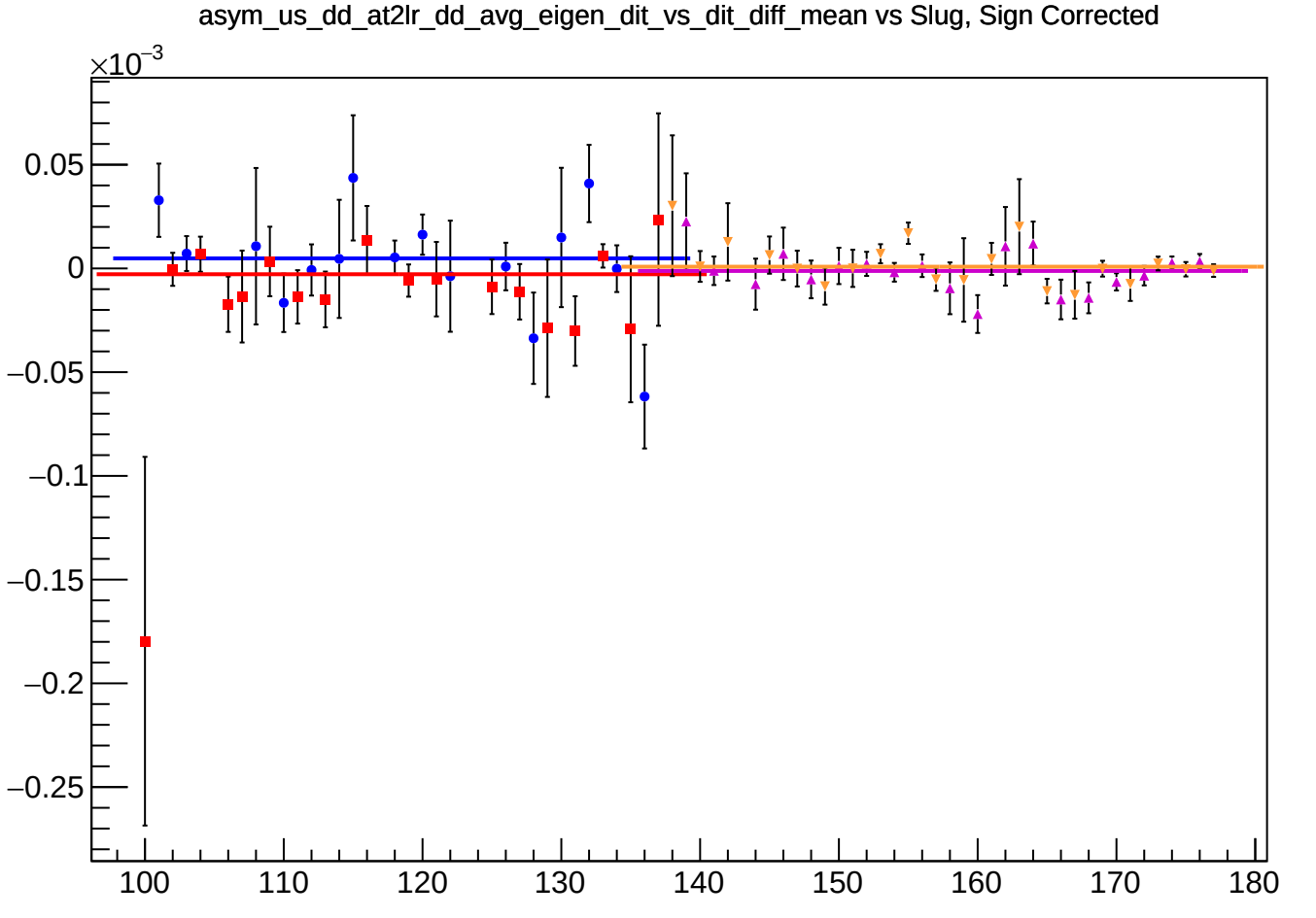
Left: 74.042+/-0.011 χ^2/NDF: 8546368.5/38

Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 72.755+/-0.013 χ^2/NDF:7104251.2/34

Out: 73.394+/-0.013 χ^2/NDF:7672998.6/37

All: 73.066+/-0.009 χ^2/NDF: 14778521.6/72



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.8/19

Right Out: -0.000+/-0.000 χ^2/NDF: 16.8/17

Left In: -0.000+/-0.000 χ^2/NDF:20.3/18

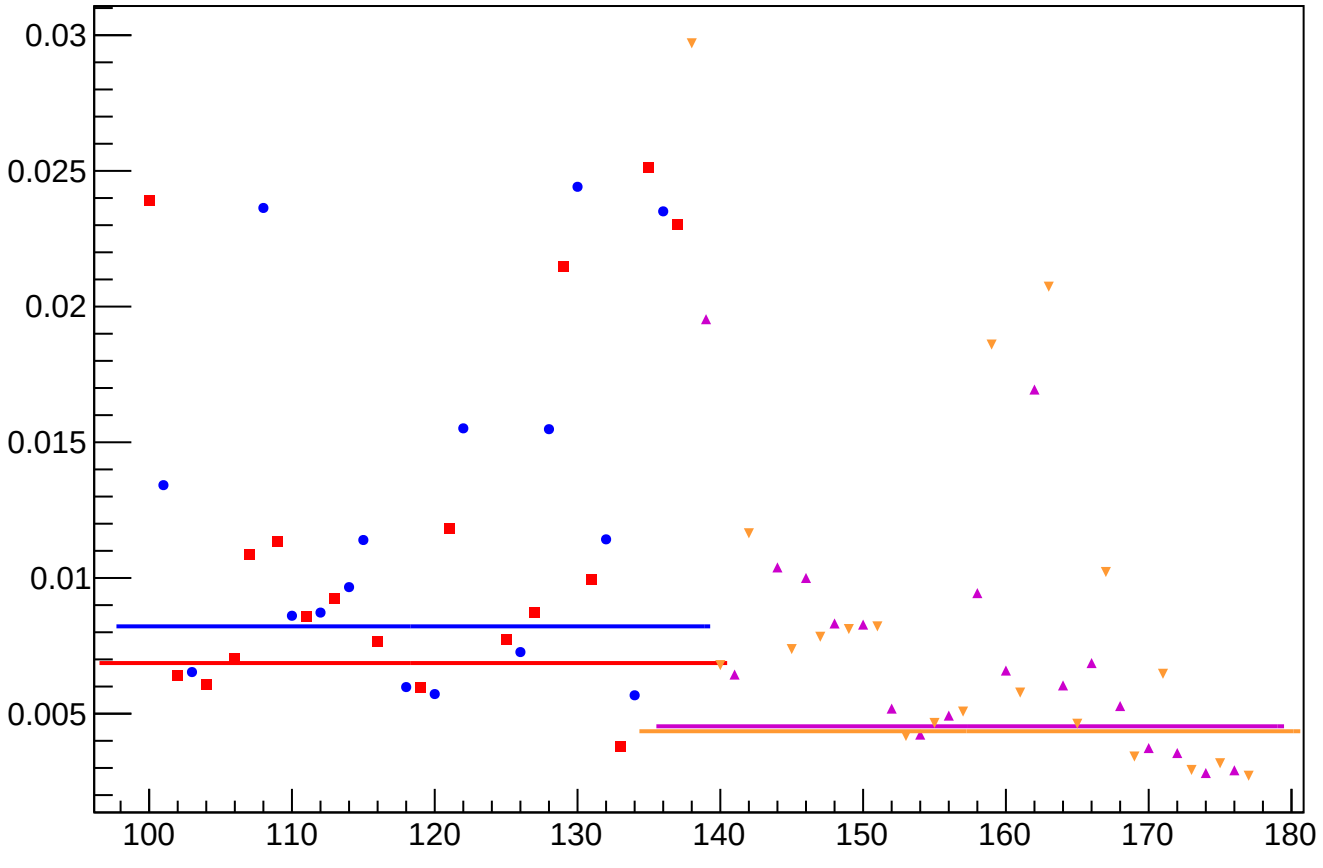
Left: -0.000+/-0.000 χ^2/NDF: 45.3/38

Right: 0.000+/-0.000 χ^2/NDF: 42.2/33

In: -0.000+/-0.000 χ^2/NDF:45.5/34

Out: 0.000+/-0.000 χ^2/NDF:41.9/37

All: -0.000+/-0.000 χ^2/NDF: 87.5/72



Right In: 0.008+/-0.000 χ^2/NDF: 2656170.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:7016089.3/19

Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

Left In: 0.005+/-0.000 χ^2/NDF:5213929.2/18

Left: 0.004+/-0.000 χ^2/NDF: 12248679.2/38

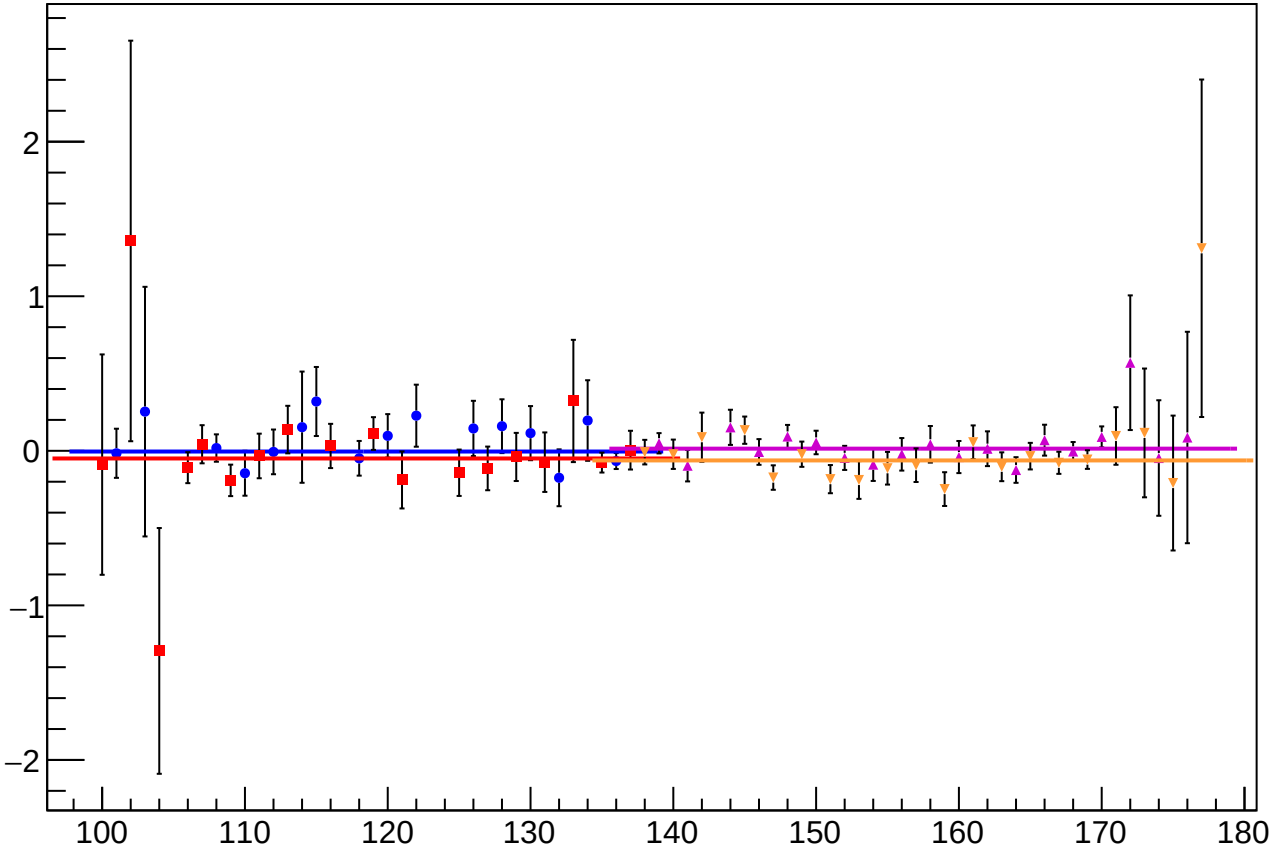
Right: 0.007+/-0.000 χ^2/NDF: 5263403.5/33

In: 0.005+/-0.000 χ^2/NDF:9790534.9/34

Out: 0.005+/-0.000 χ^2/NDF:10747928.9/37

All: 0.005+/-0.000 χ^2/NDF: 20583594.9/72

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:18.8/19

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.014+/-0.021 χ^2/NDF:12.4/18

Left: -0.022+/-0.015 χ^2/NDF: 37.4/38

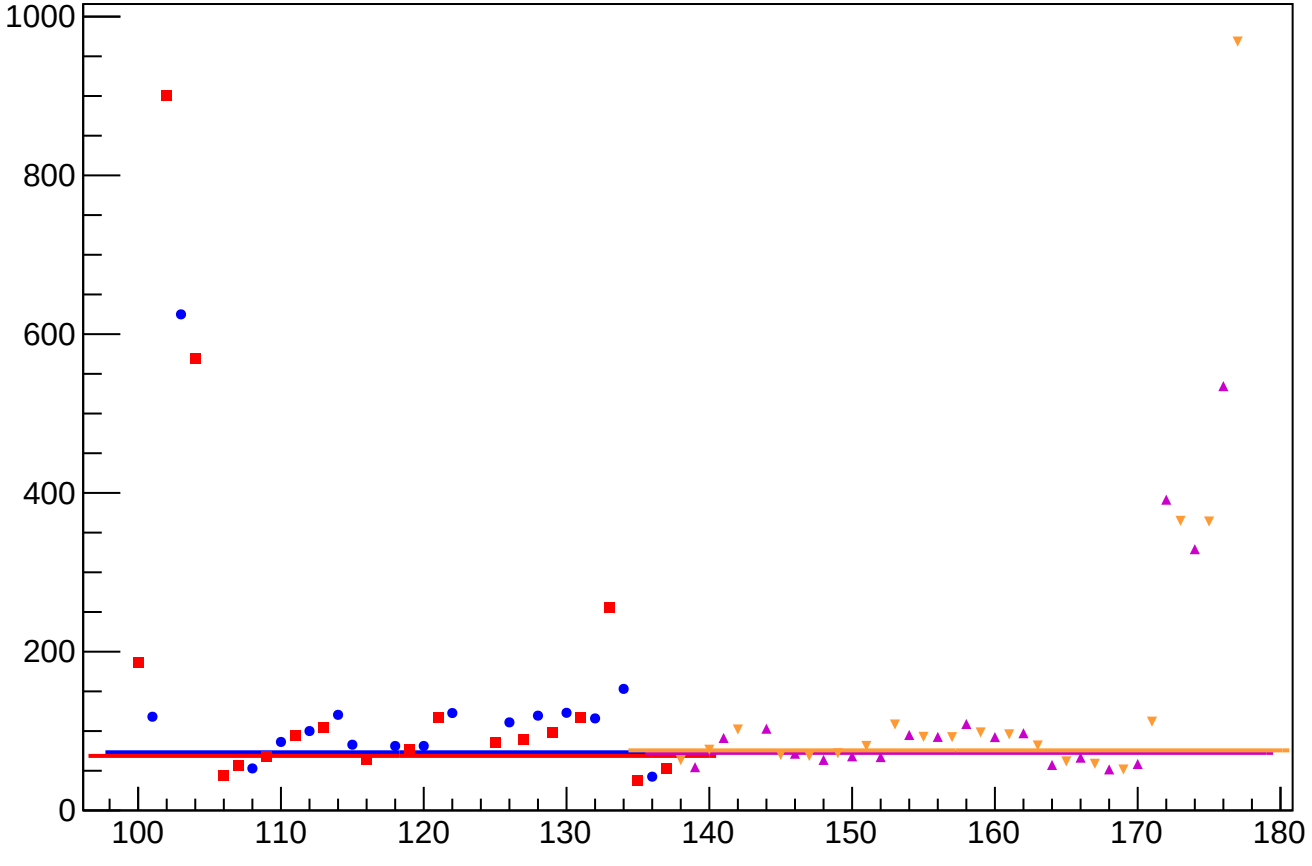
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.018 χ^2/NDF:23.0/34

Out: -0.058+/-0.018 χ^2/NDF:31.9/37

All: -0.024+/-0.013 χ^2/NDF: 61.8/72

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 75.678+/-0.016 χ^2/NDF:4276372.8/19

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 72.549+/-0.015 χ^2/NDF:4248748.4/18

Left: 74.042+/-0.011 χ^2/NDF: 8545999.3/38

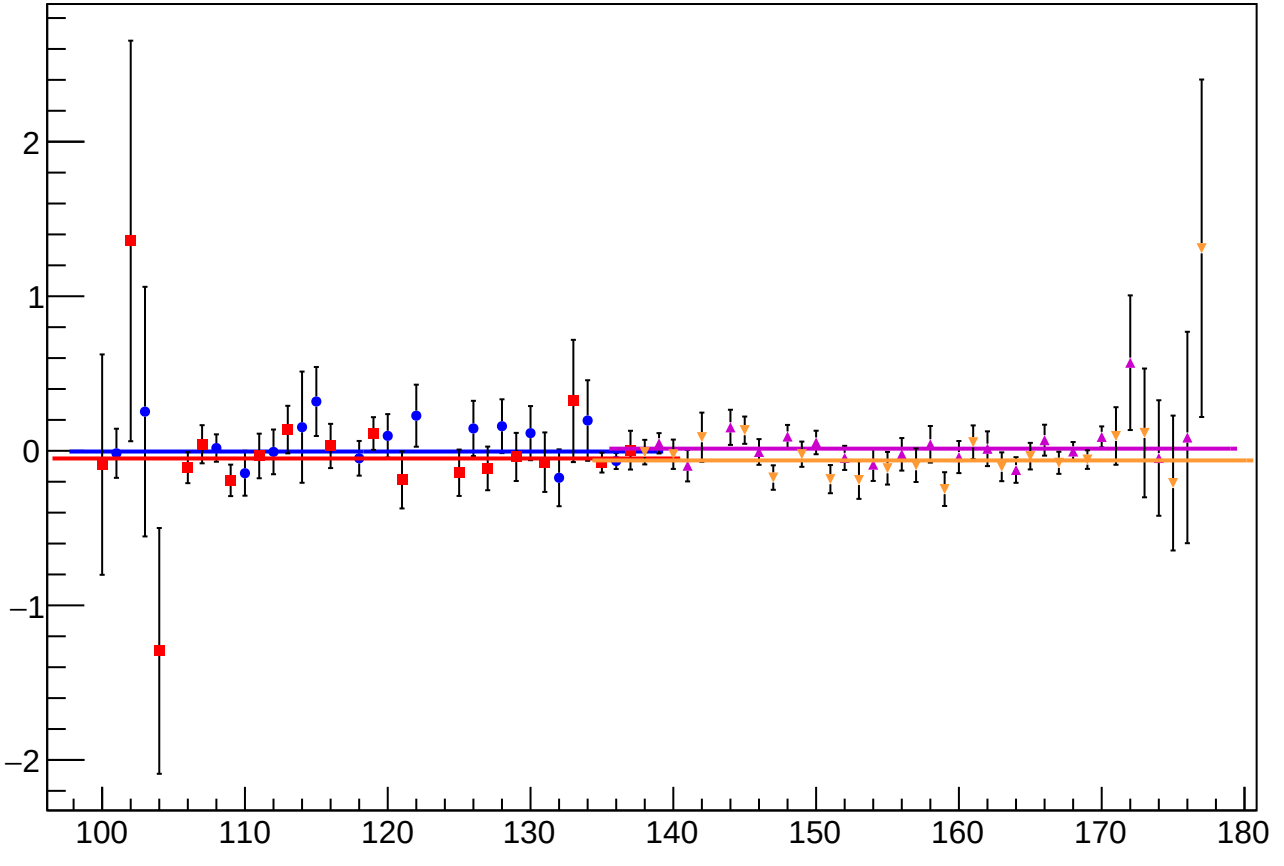
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 72.763+/-0.013 χ^2/NDF:7101734.6/34

Out: 73.389+/-0.013 χ^2/NDF:7674127.8/37

All: 73.068+/-0.009 χ^2/NDF: 14777085.0/72

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:18.8/19

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.014+/-0.021 χ^2/NDF:12.4/18

Left: -0.022+/-0.015 χ^2/NDF: 37.4/38

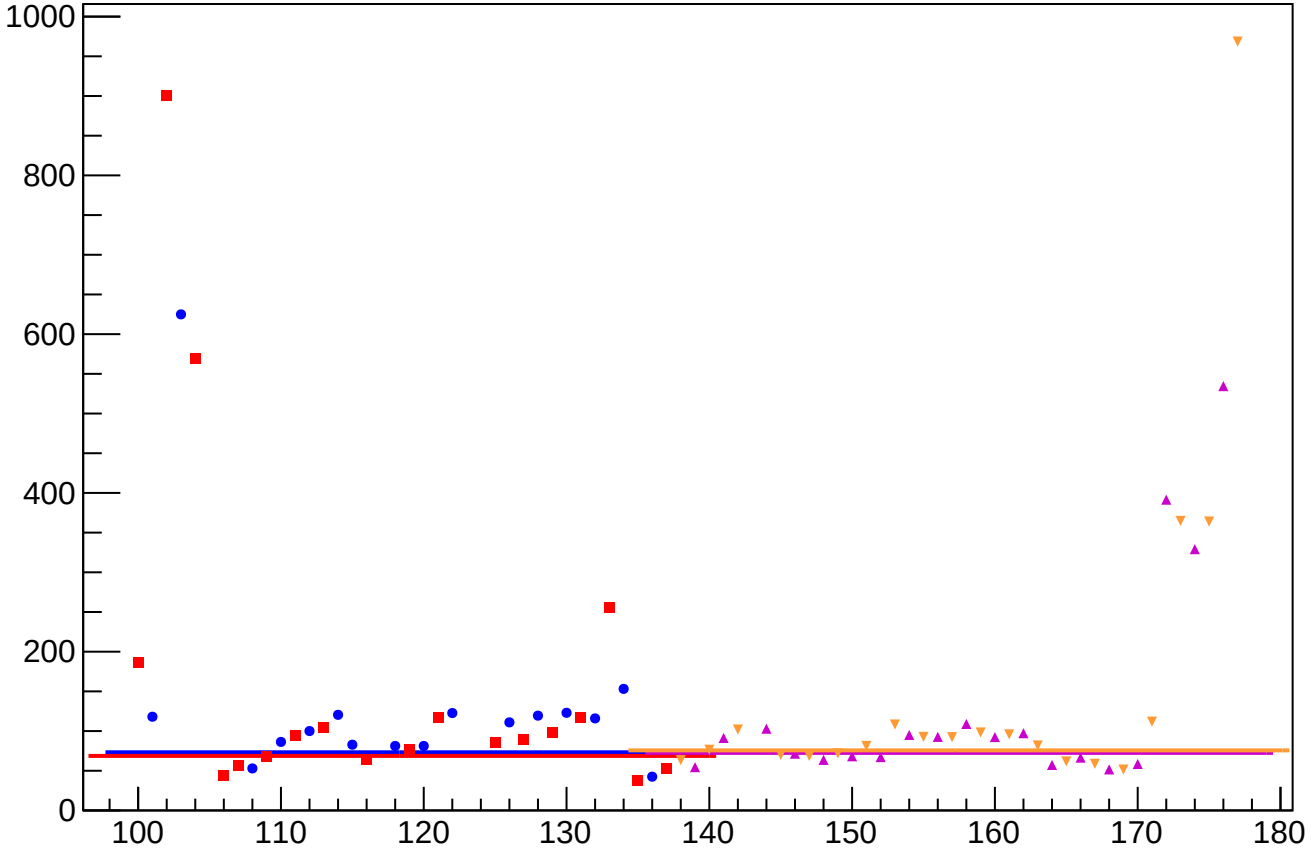
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.018 χ^2/NDF:23.0/34

Out: -0.058+/-0.018 χ^2/NDF:31.9/37

All: -0.024+/-0.013 χ^2/NDF: 61.8/72

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 75.678+/-0.016 χ^2/NDF:4276372.8/19

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 72.549+/-0.015 χ^2/NDF:4248748.4/18

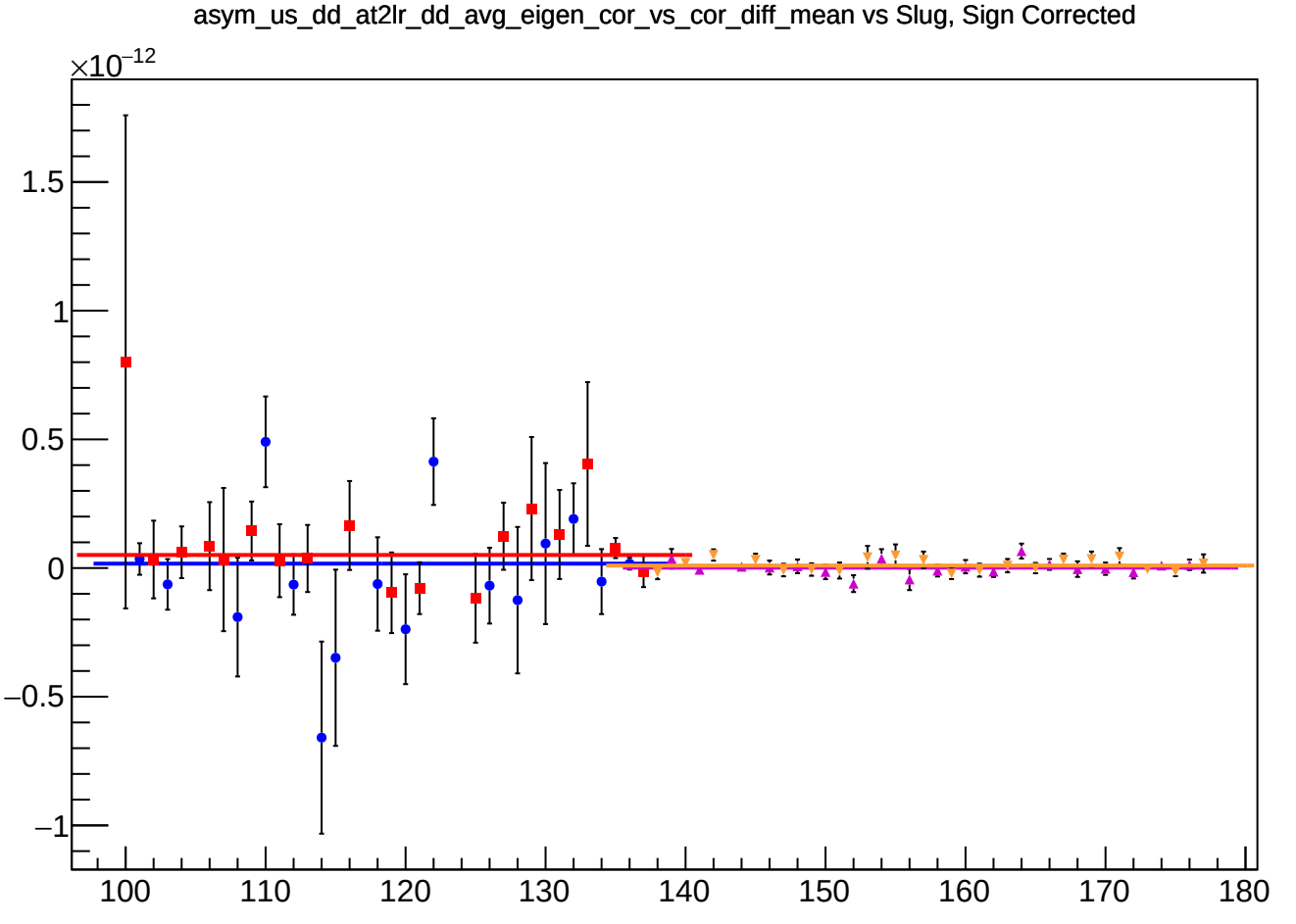
Left: 74.042+/-0.011 χ^2/NDF: 8545999.3/38

Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 72.763+/-0.013 χ^2/NDF:7101734.6/34

Out: 73.389+/-0.013 χ^2/NDF:7674127.8/37

All: 73.068+/-0.009 χ^2/NDF: 14777085.0/72



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: 0.000+/-0.000 χ^2/NDF:14.3/18

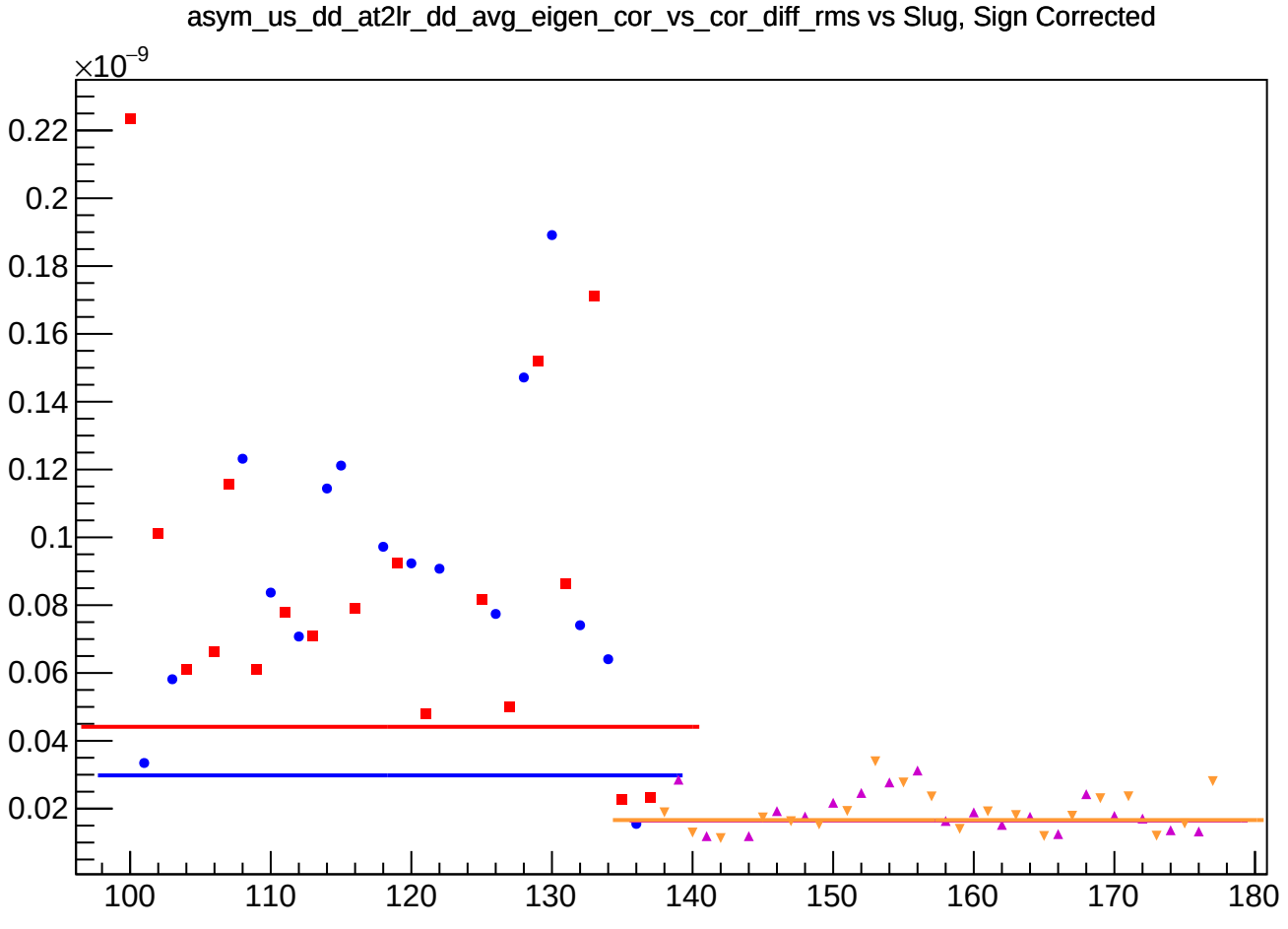
Left: 0.000+/-0.000 χ^2/NDF: 31.7/38

Right: 0.000+/-0.000 χ^2/NDF: 33.6/33

In: 0.000+/-0.000 χ^2/NDF:38.3/34

Out: 0.000+/-0.000 χ^2/NDF:27.9/37

All: 0.000+/-0.000 χ^2/NDF: 67.6/72



Right In: 0.000+/-0.000 χ^2/NDF: 4079776.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1477625.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2779318.5/17

Left In: 0.000+/-0.000 χ^2/NDF:1516676.9/18

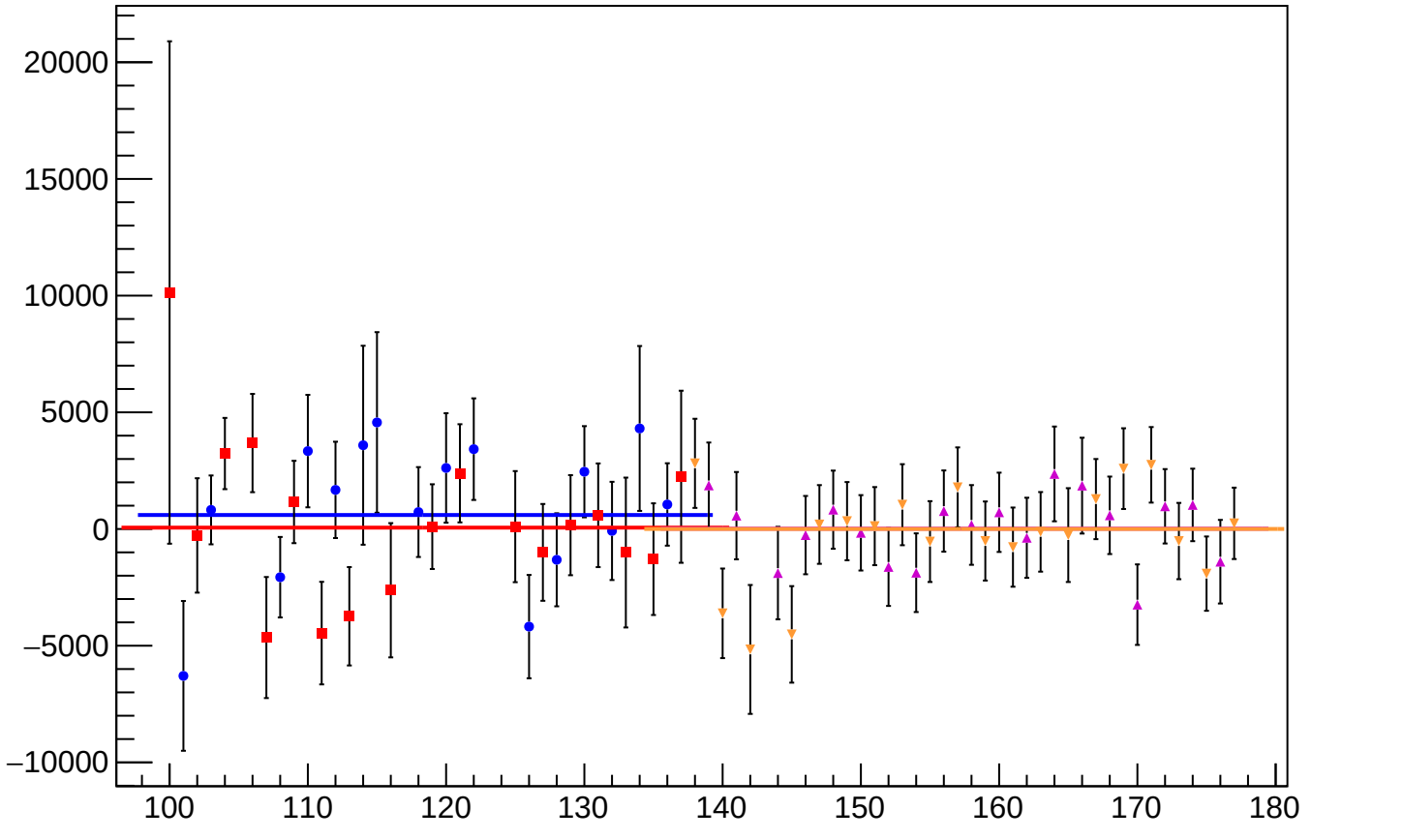
Left: 0.000+/-0.000 χ^2/NDF: 2995323.4/38

Right: 0.000+/-0.000 χ^2/NDF: 7274202.8/33

In: 0.000+/-0.000 χ^2/NDF:6477953.3/34

Out: 0.000+/-0.000 χ^2/NDF:6600303.8/37

All: 0.000+/-0.000 χ^2/NDF: 13086522.1/72



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: 2.721+/-391.602 χ^2/NDF:23.1/19

Right Out: 59.091+/-530.206 χ^2/NDF: 22.5/17

Left In: 13.347+/-398.440 χ^2/NDF:12.2/18

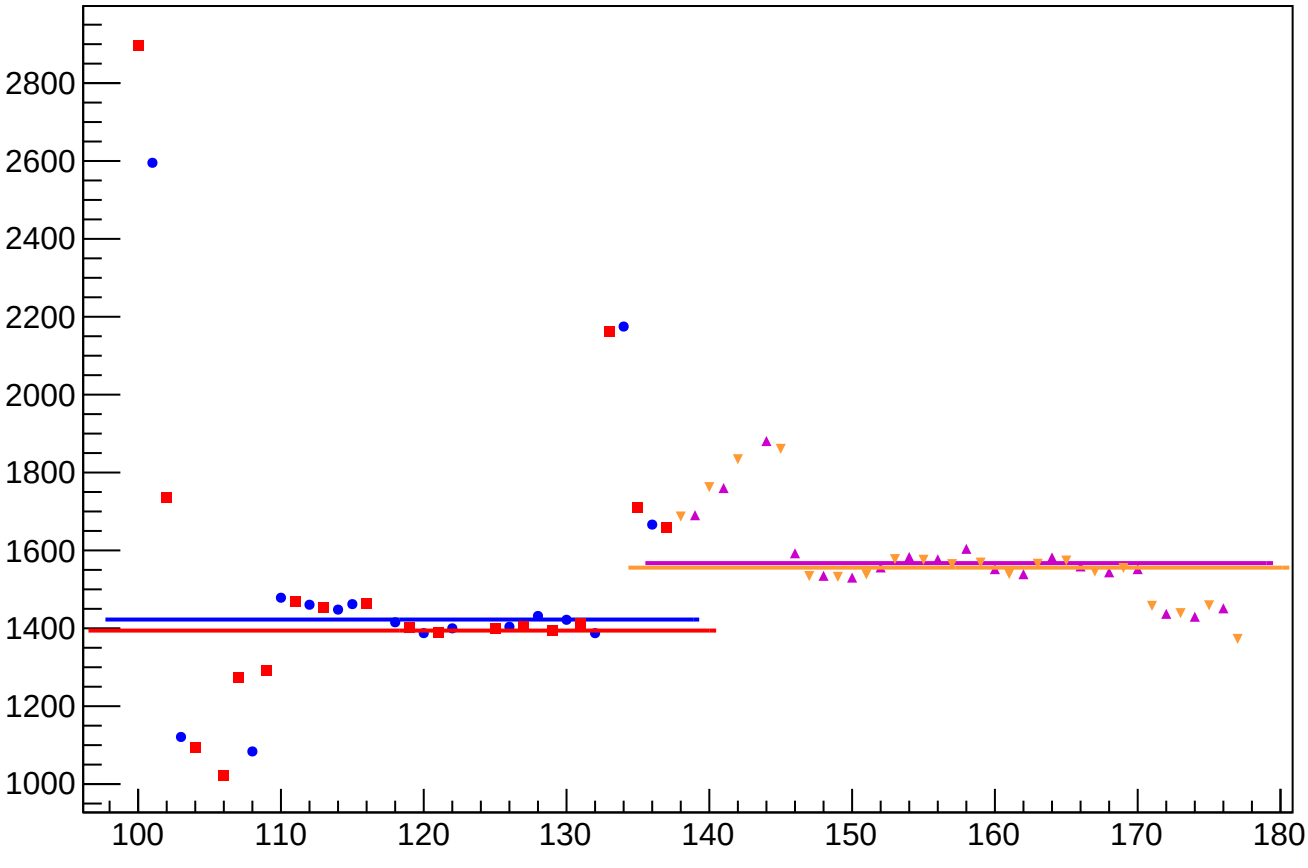
Left: 7.942+/-279.291 χ^2/NDF: 35.3/38

Right: 324.641+/-378.346 χ^2/NDF: 43.4/33

In: 220.173+/-320.623 χ^2/NDF:33.3/34

Out: 22.617+/-314.999 χ^2/NDF:45.7/37

All: 119.647+/-224.700 χ^2/NDF: 79.1/72



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1555.767+/-0.277 χ^2/NDF:152267.6/19

Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1567.424+/-0.282 χ^2/NDF:122594.3/18

Left: 1561.495+/-0.197 χ^2/NDF: 275732.6/38

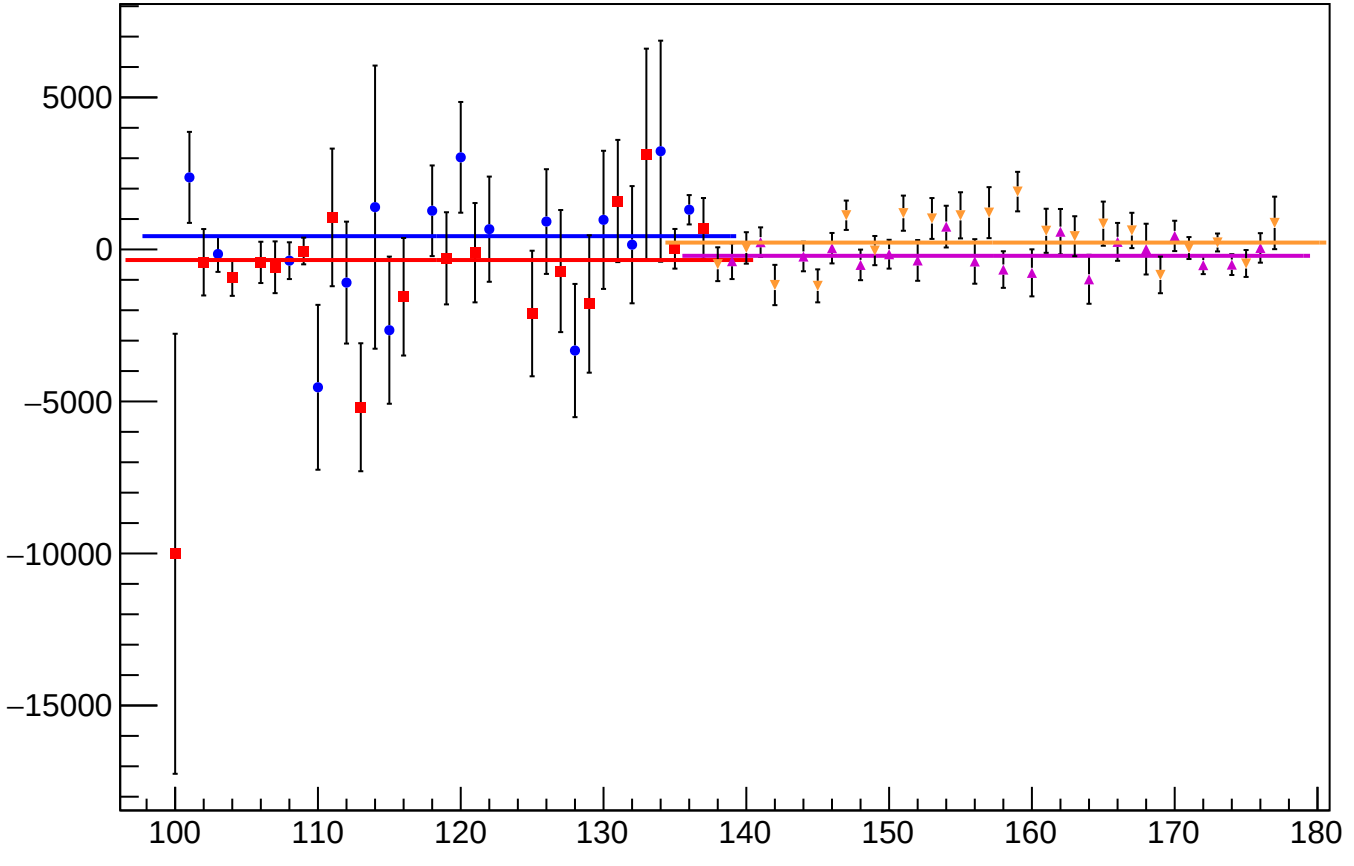
Right: 1408.082+/-0.268 χ^2/NDF: 956730.5/33

In: 1516.349+/-0.227 χ^2/NDF:776096.0/34

Out: 1498.729+/-0.223 χ^2/NDF:666142.4/37

All: 1507.383+/-0.159 χ^2/NDF: 1445311.7/72

asym_us_dd_at2lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: 225.427+/-119.963 χ^2/NDF:38.4/19

Right Out: -348.567+/-233.745 χ^2/NDF: 13.9/17

Left In: -209.593+/-119.579 χ^2/NDF:11.2/18

Left: 7.220+/-84.691 χ^2/NDF: 56.1/38

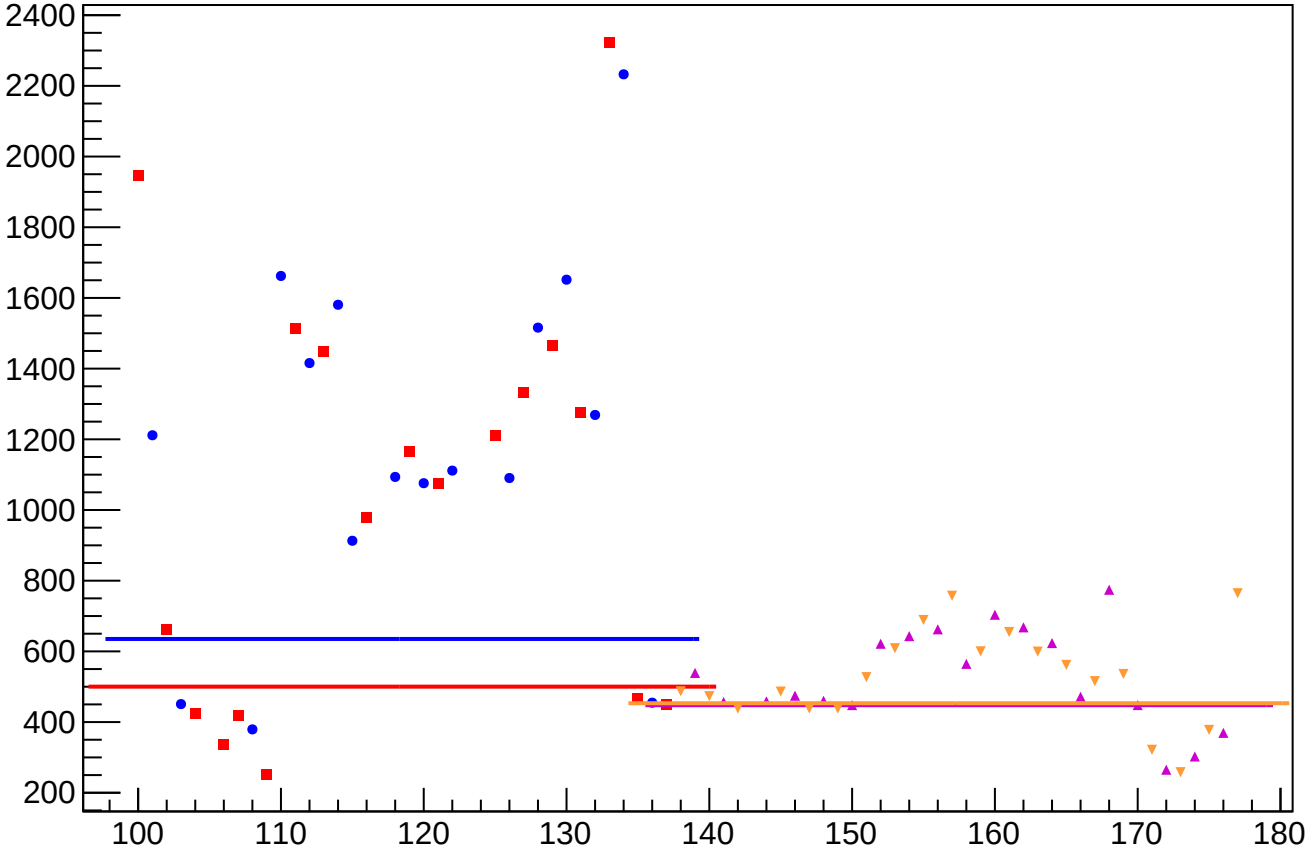
Right: -20.548+/-178.349 χ^2/NDF: 38.0/33

In: -107.427+/-109.719 χ^2/NDF:35.1/34

Out: 105.758+/-106.728 χ^2/NDF:57.1/37

All: 2.110+/-76.504 χ^2/NDF: 94.1/72

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: 453.299+/-0.085 χ^2/NDF:2541486.7/19

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

Left In: 447.741+/-0.085 χ^2/NDF:2571372.0/18

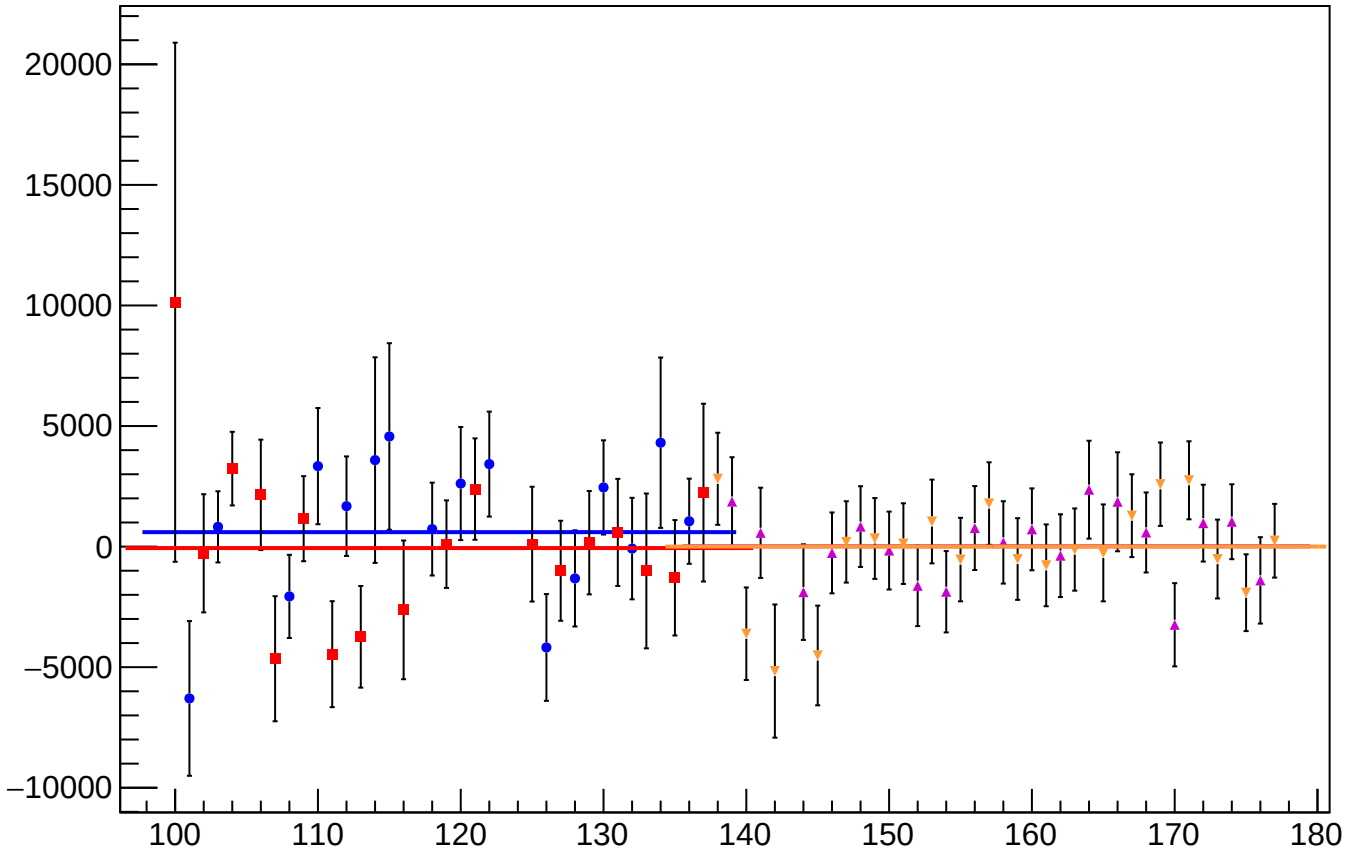
Left: 450.511+/-0.060 χ^2/NDF: 5115012.5/38

Right: 556.596+/-0.126 χ^2/NDF: 8340019.1/33

In: 477.373+/-0.078 χ^2/NDF:7100618.4/34

Out: 463.084+/-0.075 χ^2/NDF:6914398.2/37

All: 470.031+/-0.054 χ^2/NDF: 14032445.6/72



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: 2.709+/-391.602 χ^2/NDF:23.1/19

Right Out: -60.361+/-532.826 χ^2/NDF: 20.4/17

Left In: 13.306+/-398.440 χ^2/NDF:12.2/18

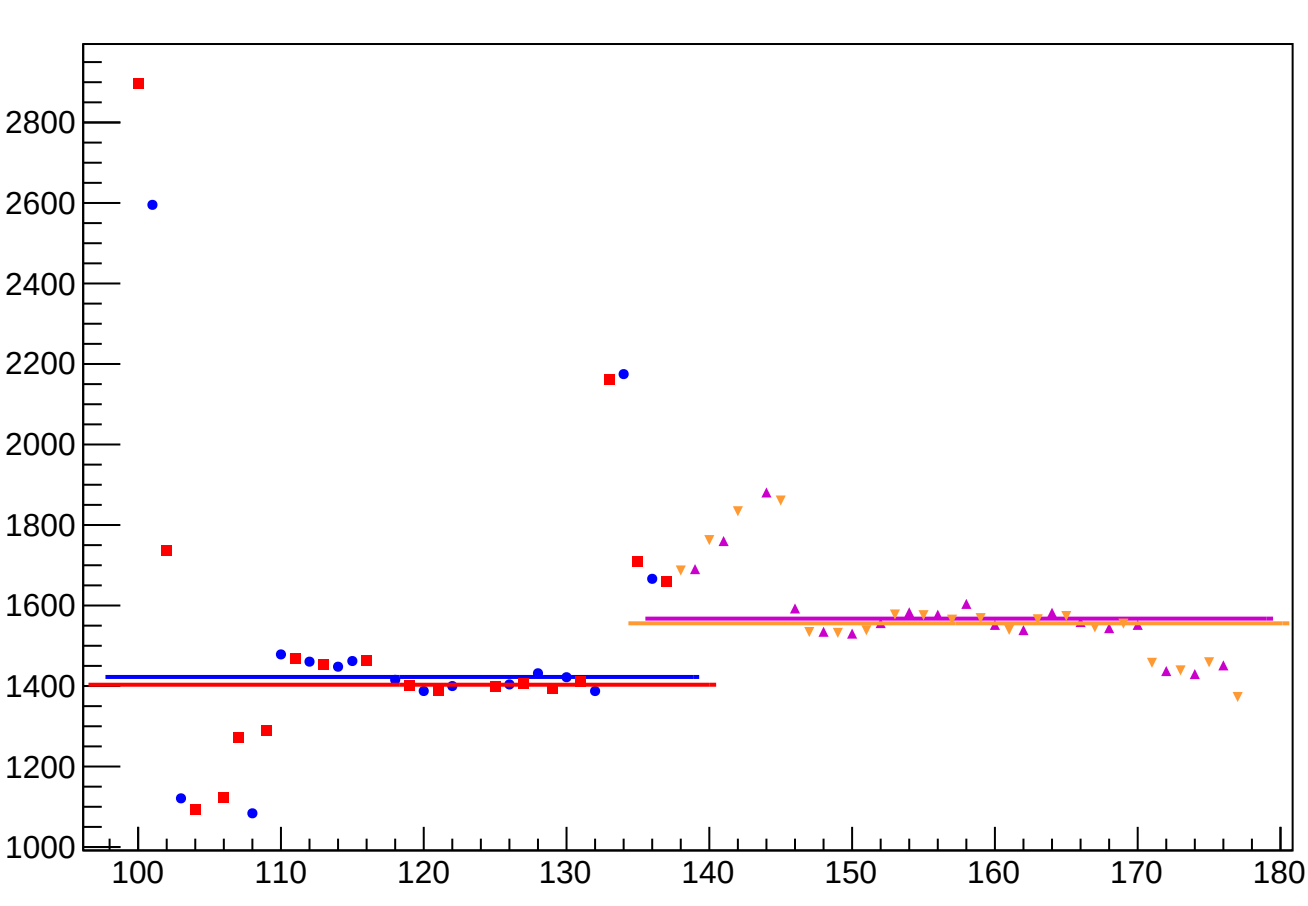
Left: 7.916+/-279.291 χ^2/NDF: 35.3/38

Right: 265.381+/-379.294 χ^2/NDF: 41.4/33

In: 220.102+/-320.623 χ^2/NDF:33.3/34

Out: -19.410+/-315.546 χ^2/NDF:43.5/37

All: 98.435+/-224.898 χ^2/NDF: 77.1/72



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1555.767+/-0.277 χ^2/NDF:152267.6/19

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1567.424+/-0.282 χ^2/NDF:122594.3/18

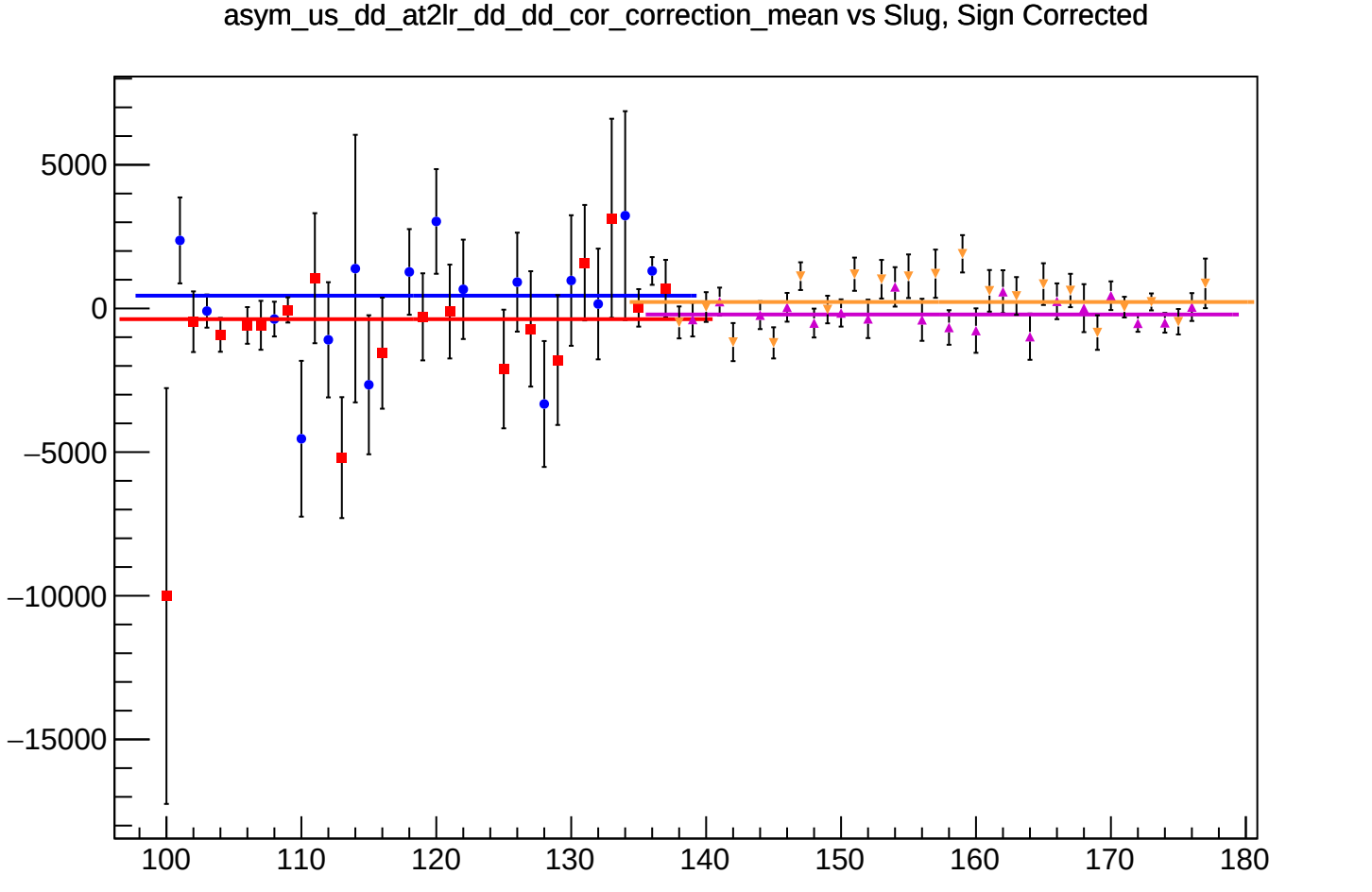
Left: 1561.495+/-0.197 χ^2/NDF: 275732.6/38

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1516.349+/-0.227 χ^2/NDF:776096.4/34

Out: 1502.266+/-0.223 χ^2/NDF:617821.7/37

All: 1509.195+/-0.159 χ^2/NDF: 1395877.9/72



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 225.452+/-119.964 χ^2/NDF:38.4/19

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -209.759+/-119.580 χ^2/NDF:11.2/18

Left: 7.149+/-84.691 χ^2/NDF: 56.2/38

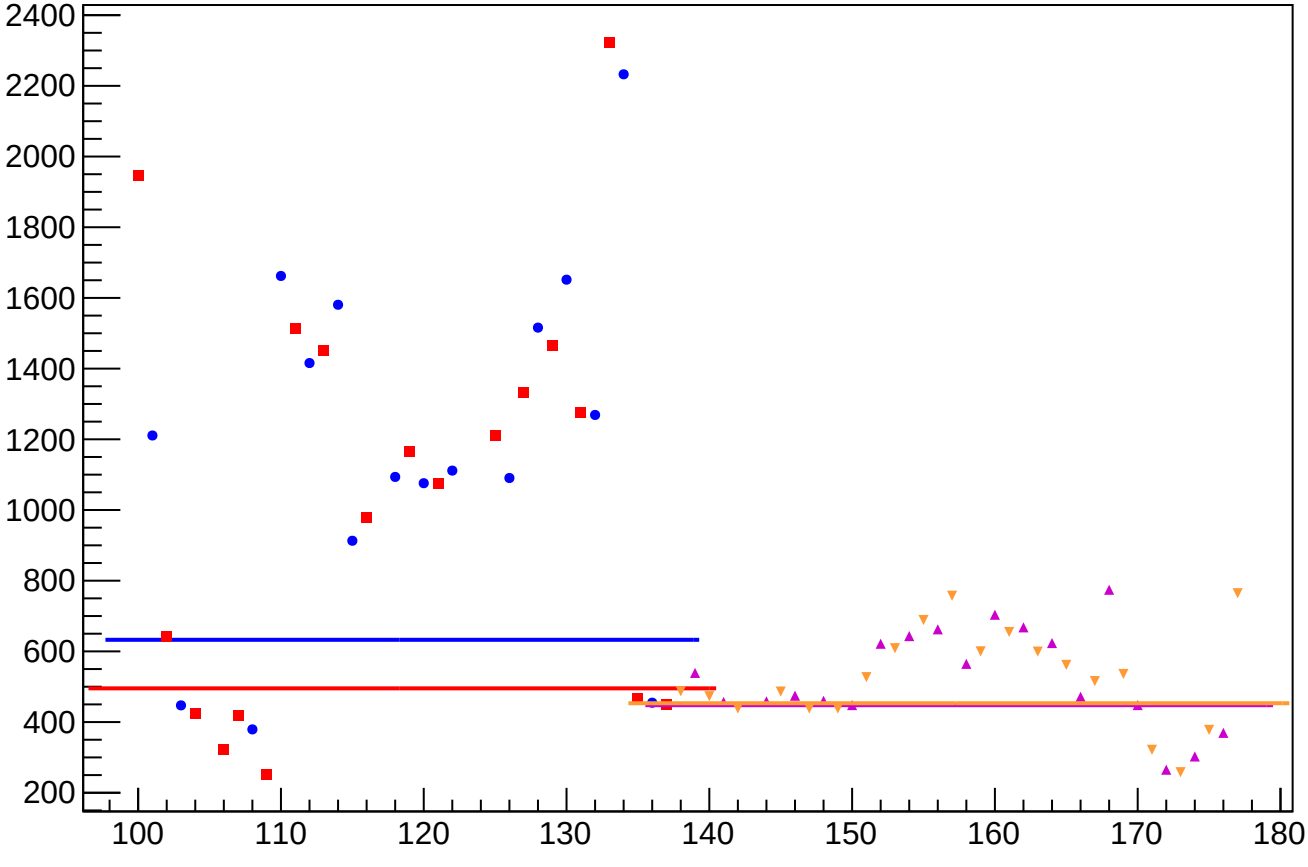
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: -105.455+/-109.645 χ^2/NDF:35.1/34

Out: 98.738+/-106.498 χ^2/NDF:57.7/37

All: -0.387+/-76.394 χ^2/NDF: 94.6/72

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: 453.299+/-0.085 χ^2/NDF:2541728.4/19

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 447.746+/-0.085 χ^2/NDF:2571099.3/18

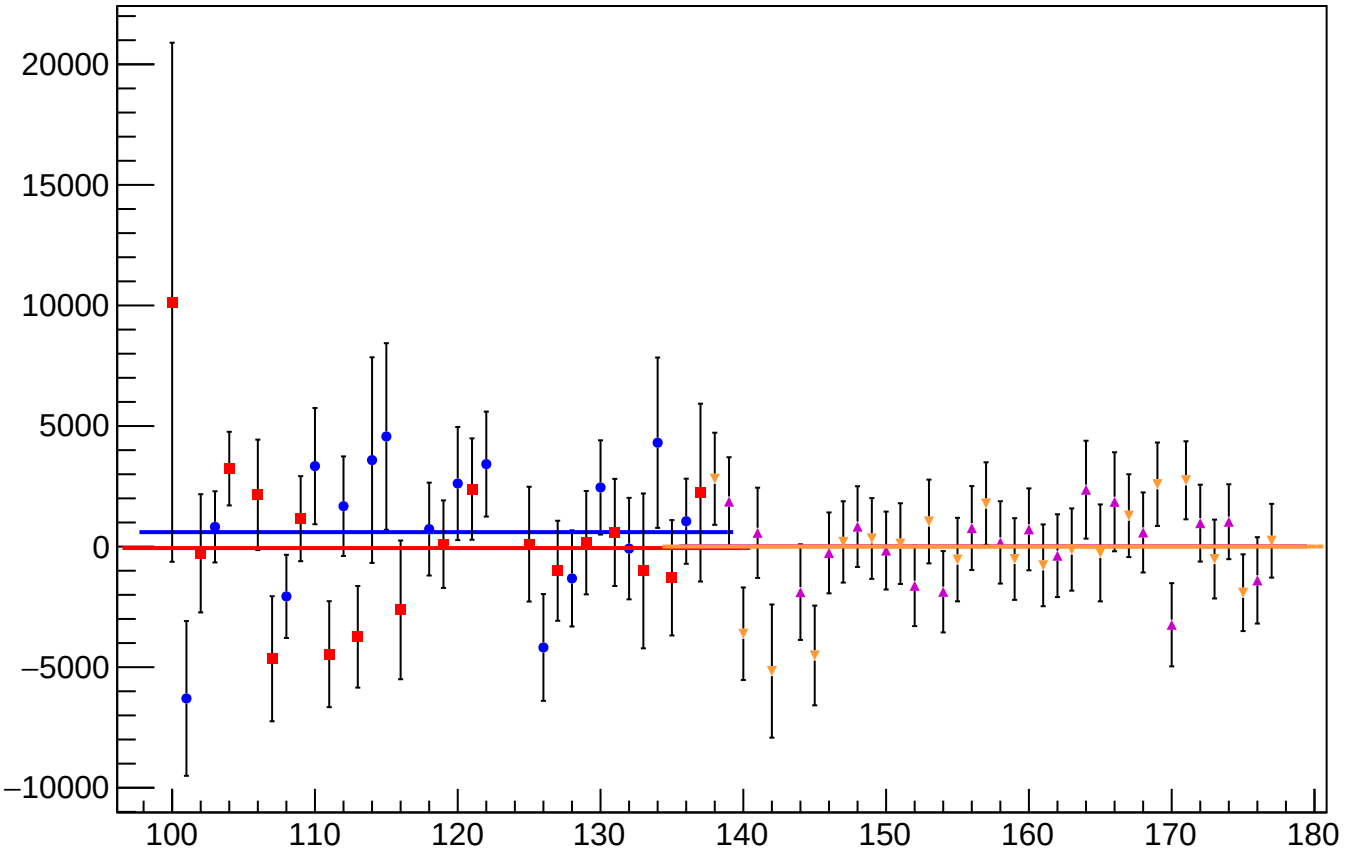
Left: 450.513+/-0.060 χ^2/NDF: 5114976.9/38

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 477.212+/-0.078 χ^2/NDF:7101306.7/34

Out: 462.216+/-0.075 χ^2/NDF:6931361.4/37

All: 469.496+/-0.054 χ^2/NDF: 14051920.2/72



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: 2.709+/-391.602 χ^2/NDF:23.1/19

Right Out: -60.361+/-532.826 χ^2/NDF: 20.4/17

Left In: 13.306+/-398.440 χ^2/NDF:12.2/18

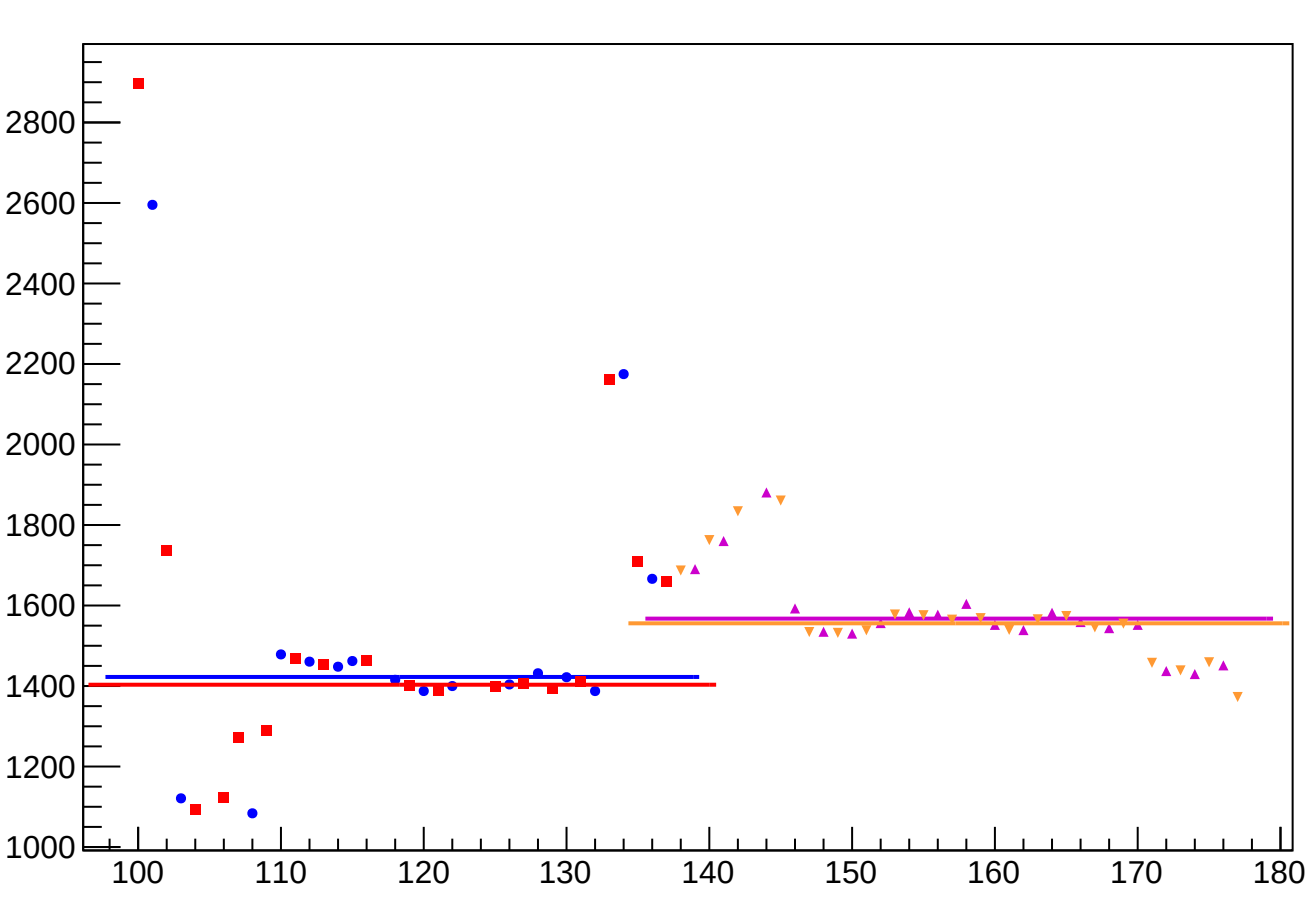
Left: 7.916+/-279.291 χ^2/NDF: 35.3/38

Right: 265.381+/-379.294 χ^2/NDF: 41.4/33

In: 220.102+/-320.623 χ^2/NDF:33.3/34

Out: -19.410+/-315.546 χ^2/NDF:43.5/37

All: 98.435+/-224.898 χ^2/NDF: 77.1/72



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1555.767+/-0.277 χ^2/NDF:152267.6/19

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1567.424+/-0.282 χ^2/NDF:122594.3/18

Left: 1561.495+/-0.197 χ^2/NDF: 275732.6/38

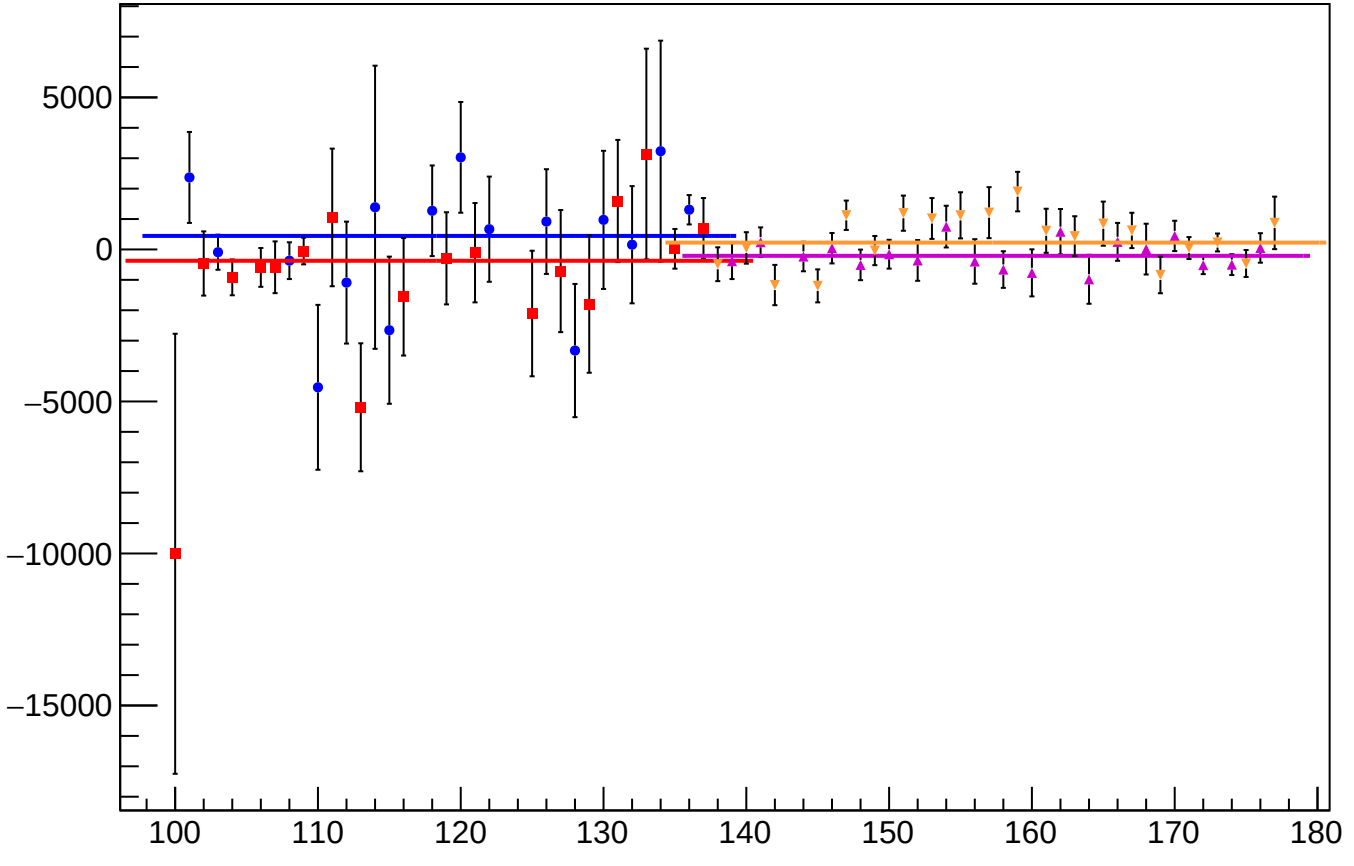
Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1516.349+/-0.227 χ^2/NDF:776096.4/34

Out: 1502.266+/-0.223 χ^2/NDF:617821.7/37

All: 1509.195+/-0.159 χ^2/NDF: 1395877.9/72

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 225.452+/-119.964 χ^2/NDF:38.4/19

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -209.759+/-119.580 χ^2/NDF:11.2/18

Left: 7.149+/-84.691 χ^2/NDF: 56.2/38

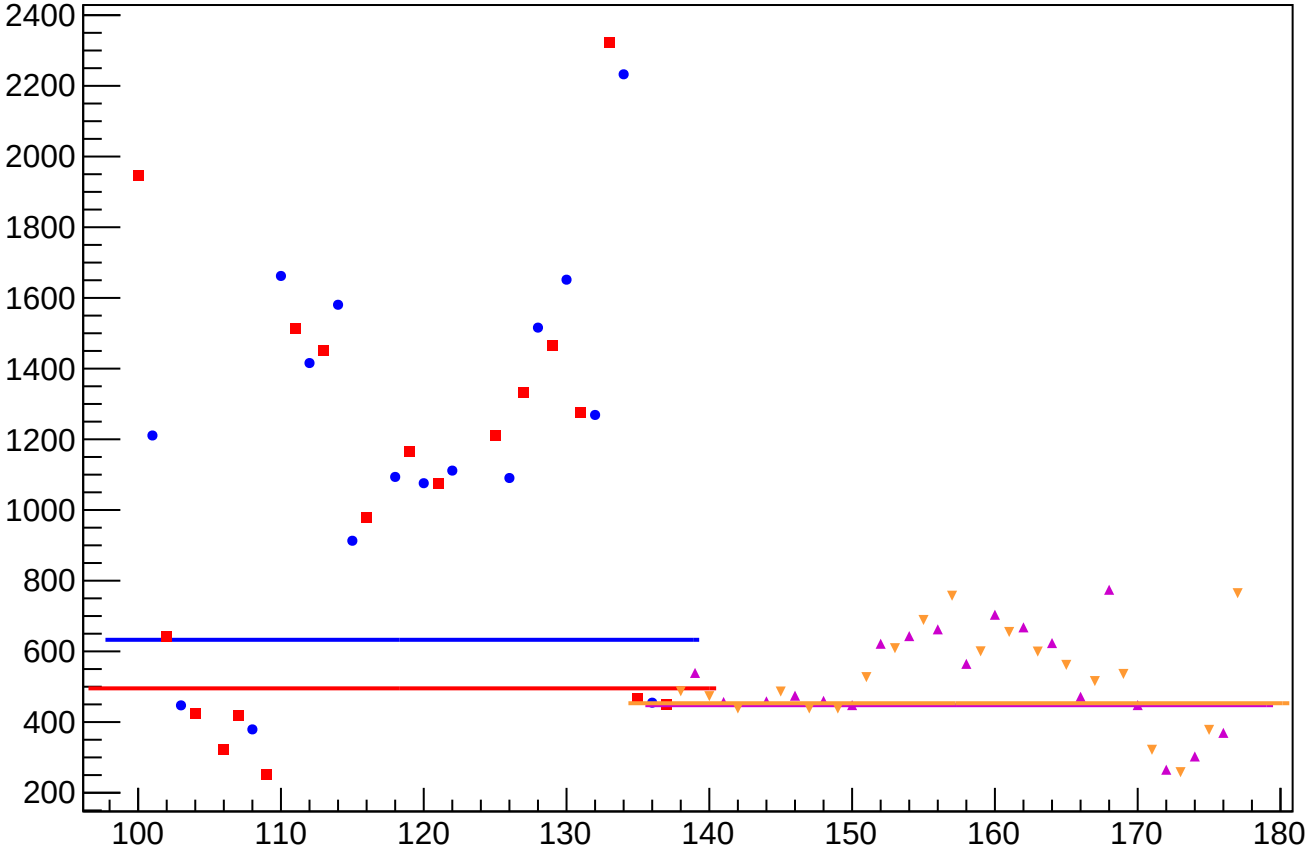
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: -105.455+/-109.645 χ^2/NDF:35.1/34

Out: 98.738+/-106.498 χ^2/NDF:57.7/37

All: -0.387+/-76.394 χ^2/NDF: 94.6/72

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 453.299+/-0.085 χ^2/NDF:2541728.4/19

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 447.746+/-0.085 χ^2/NDF:2571099.3/18

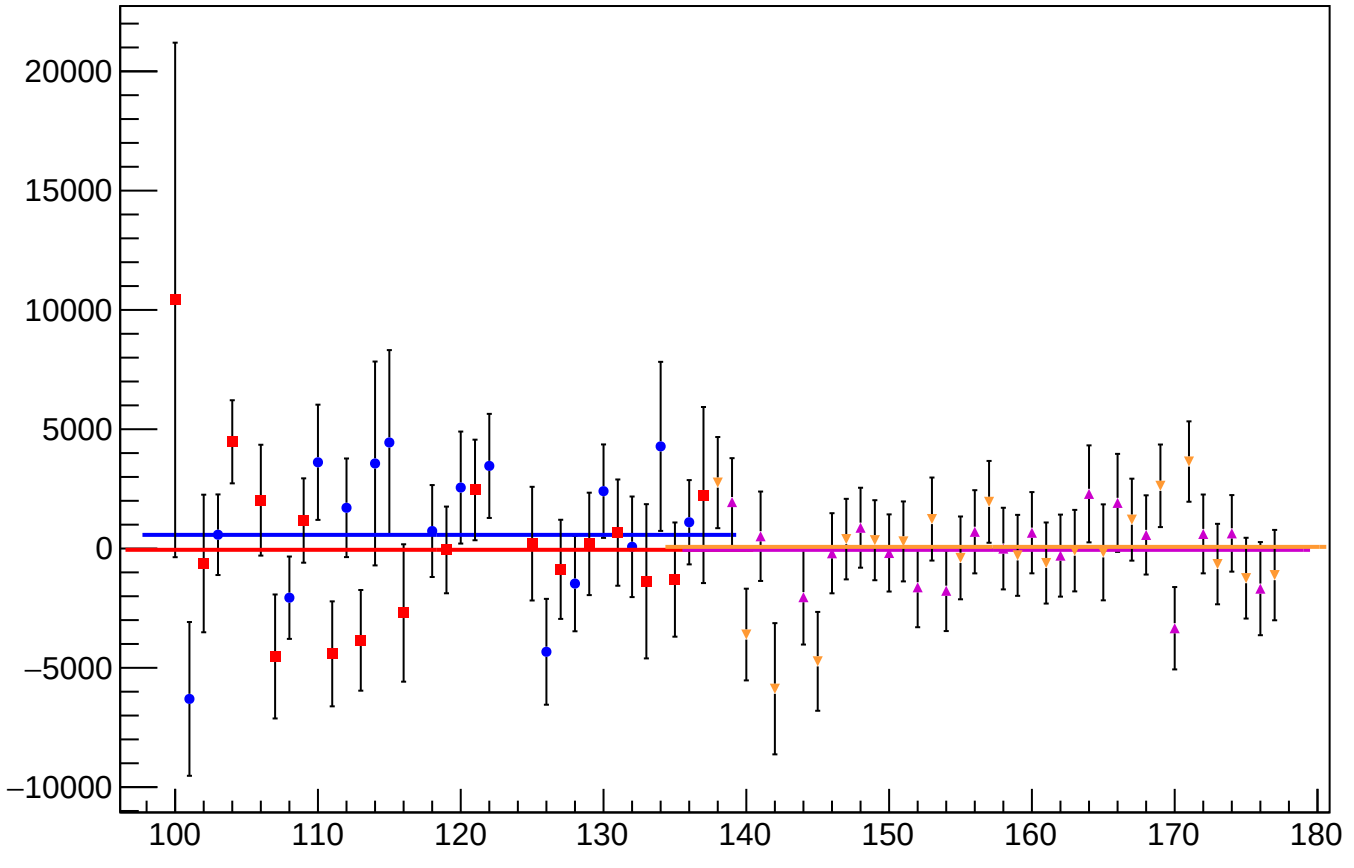
Left: 450.513+/-0.060 χ^2/NDF: 5114976.9/38

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 477.212+/-0.078 χ^2/NDF:7101306.7/34

Out: 462.216+/-0.075 χ^2/NDF:6931361.4/37

All: 469.496+/-0.054 χ^2/NDF: 14051920.2/72



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: 69.265+/-399.562 χ^2/NDF:26.0/19

Right Out: -53.754+/-545.353 χ^2/NDF: 22.5/17

Left In: -55.409+/-402.164 χ^2/NDF:11.9/18

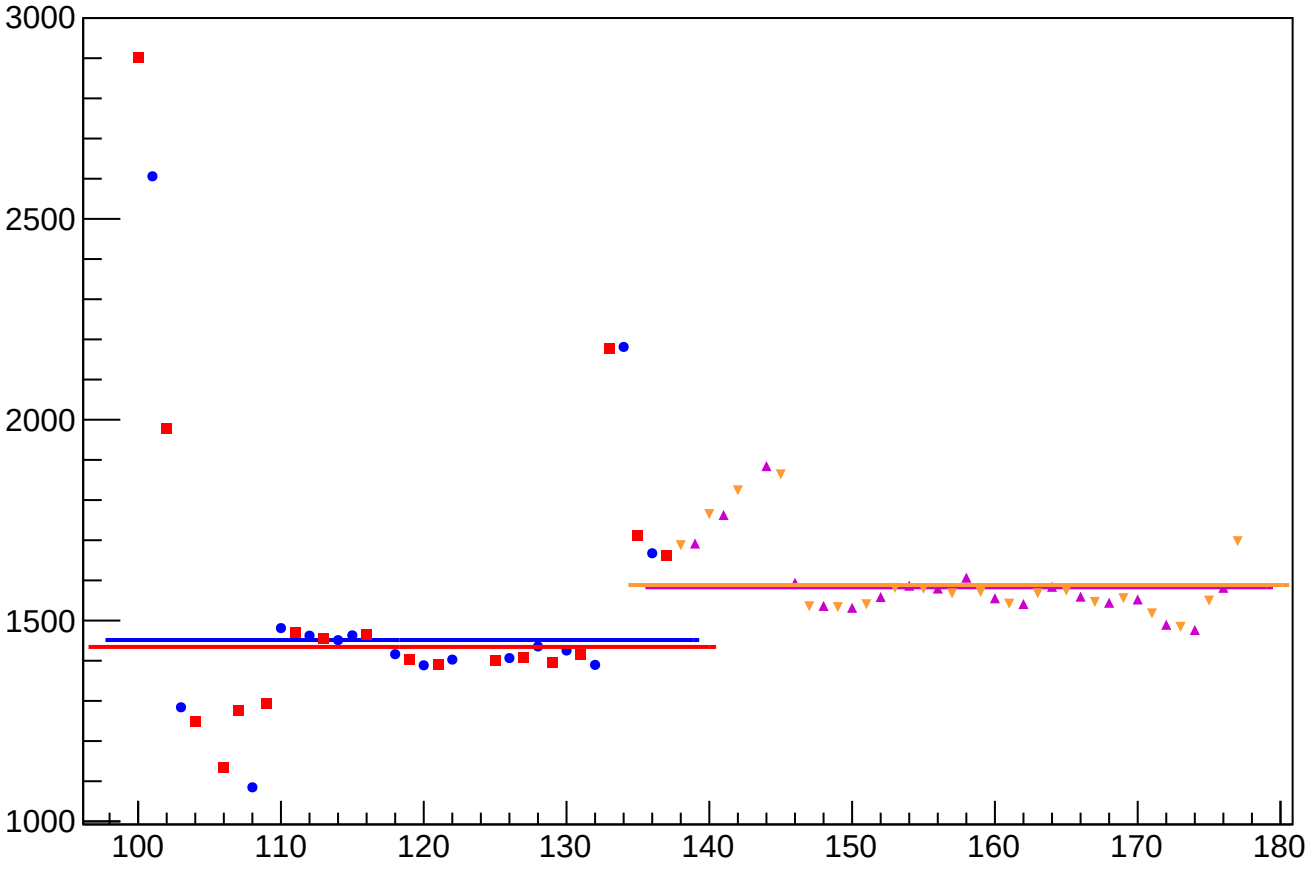
Left: 7.333+/-283.449 χ^2/NDF: 38.0/38

Right: 256.817+/-387.129 χ^2/NDF: 43.9/33

In: 163.464+/-324.562 χ^2/NDF:33.6/34

Out: 26.295+/-322.311 χ^2/NDF:48.6/37

All: 94.402+/-228.700 χ^2/NDF: 82.2/72



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1588.436+/-0.283 χ^2/NDF:101309.3/19

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1582.759+/-0.284 χ^2/NDF:94834.7/18

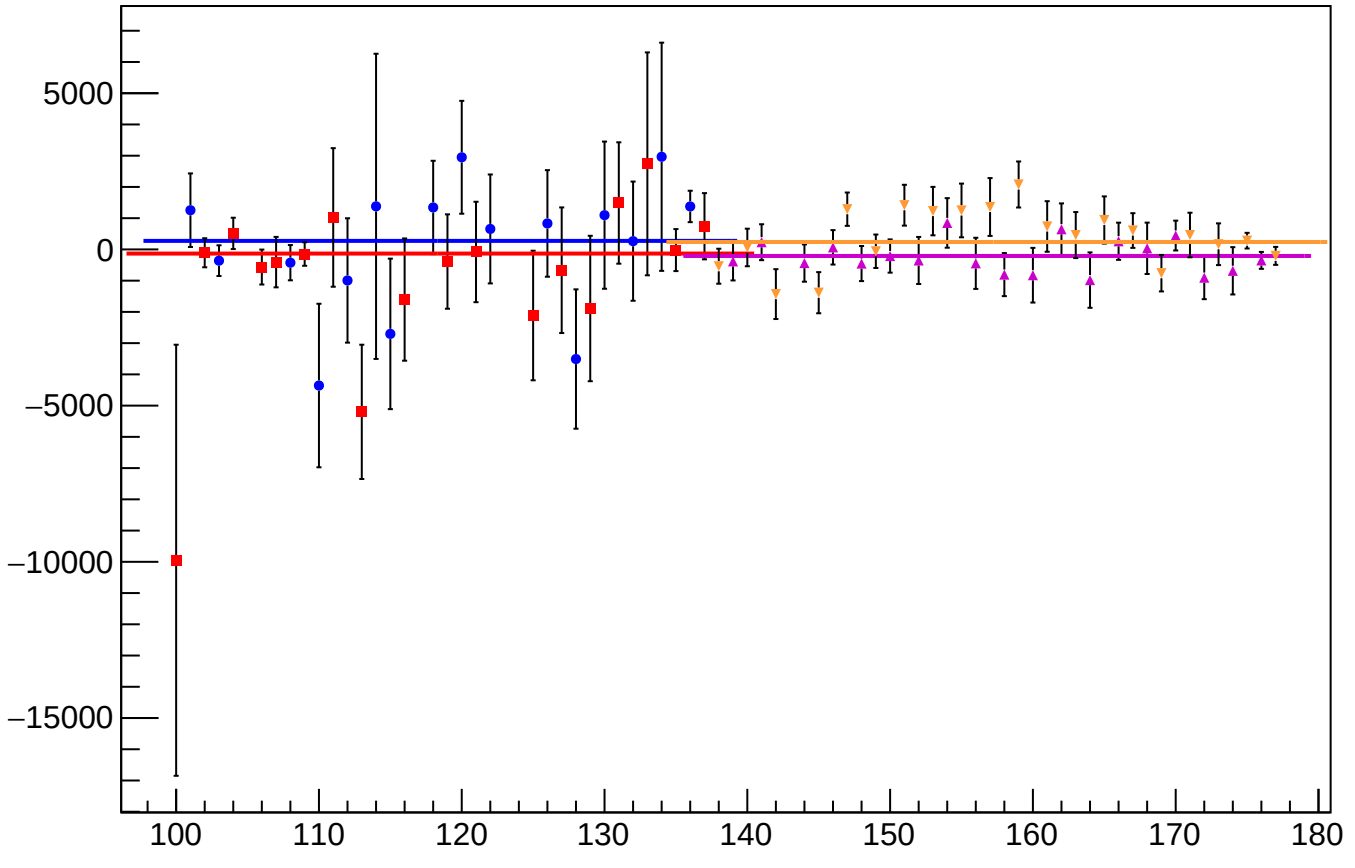
Left: 1585.616+/-0.200 χ^2/NDF: 196344.5/38

Right: 1442.883+/-0.274 χ^2/NDF: 817420.7/33

In: 1537.018+/-0.229 χ^2/NDF:656870.4/34

Out: 1534.604+/-0.228 χ^2/NDF:533831.4/37

All: 1535.802+/-0.162 χ^2/NDF: 1190757.4/72



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: 238.355+/-120.662 χ^2/NDF:37.8/19

Right Out: -132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: -209.667+/-134.031 χ^2/NDF:10.5/18

Left: 37.797+/-89.676 χ^2/NDF: 54.5/38

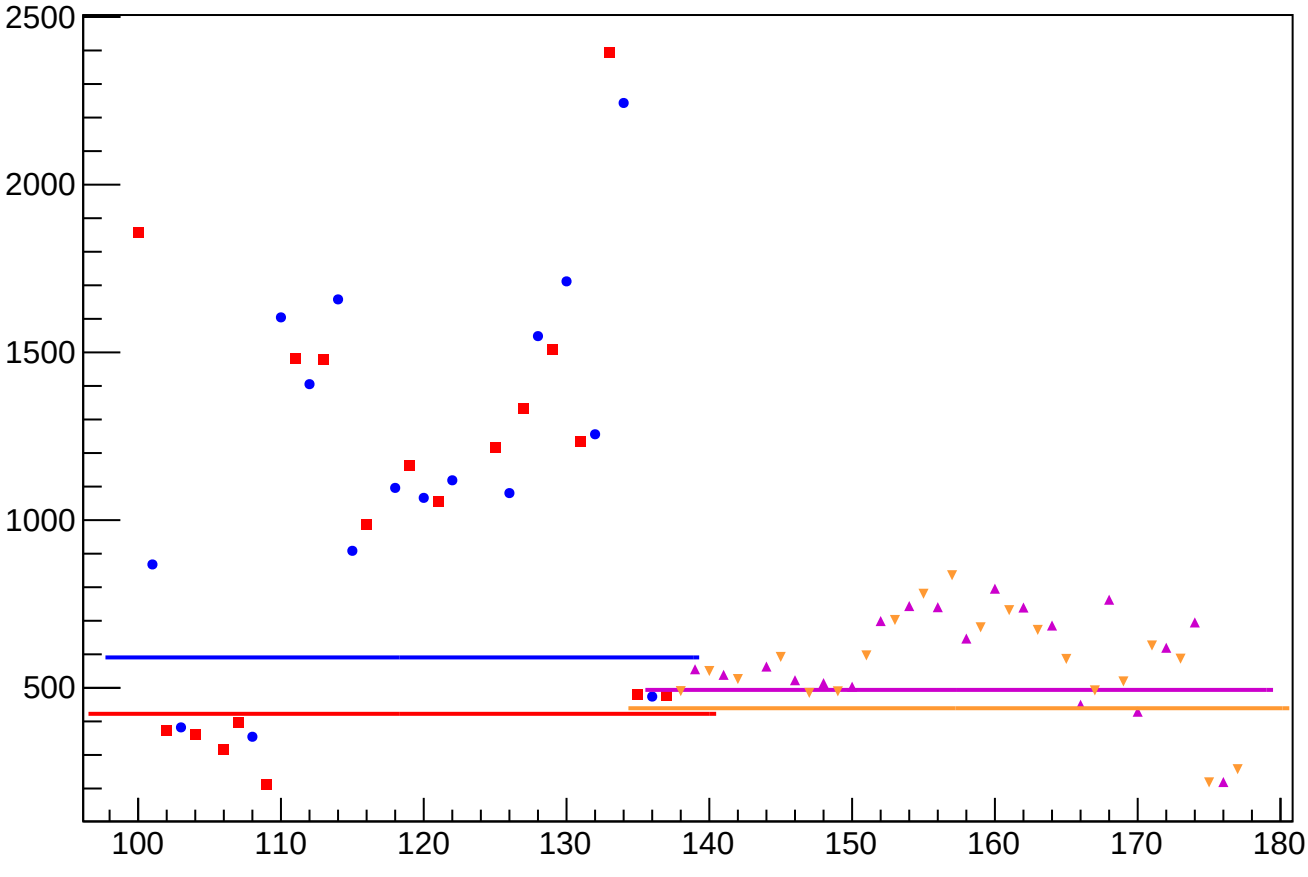
Right: 14.100+/-156.593 χ^2/NDF: 36.2/33

In: -108.568+/-119.185 χ^2/NDF:33.4/34

Out: 136.363+/-102.742 χ^2/NDF:54.9/37

All: 31.945+/-77.819 χ^2/NDF: 90.7/72

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: 439.288+/-0.085 χ^2/NDF:4670931.3/19

Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 493.957+/-0.095 χ^2/NDF:3727093.0/18

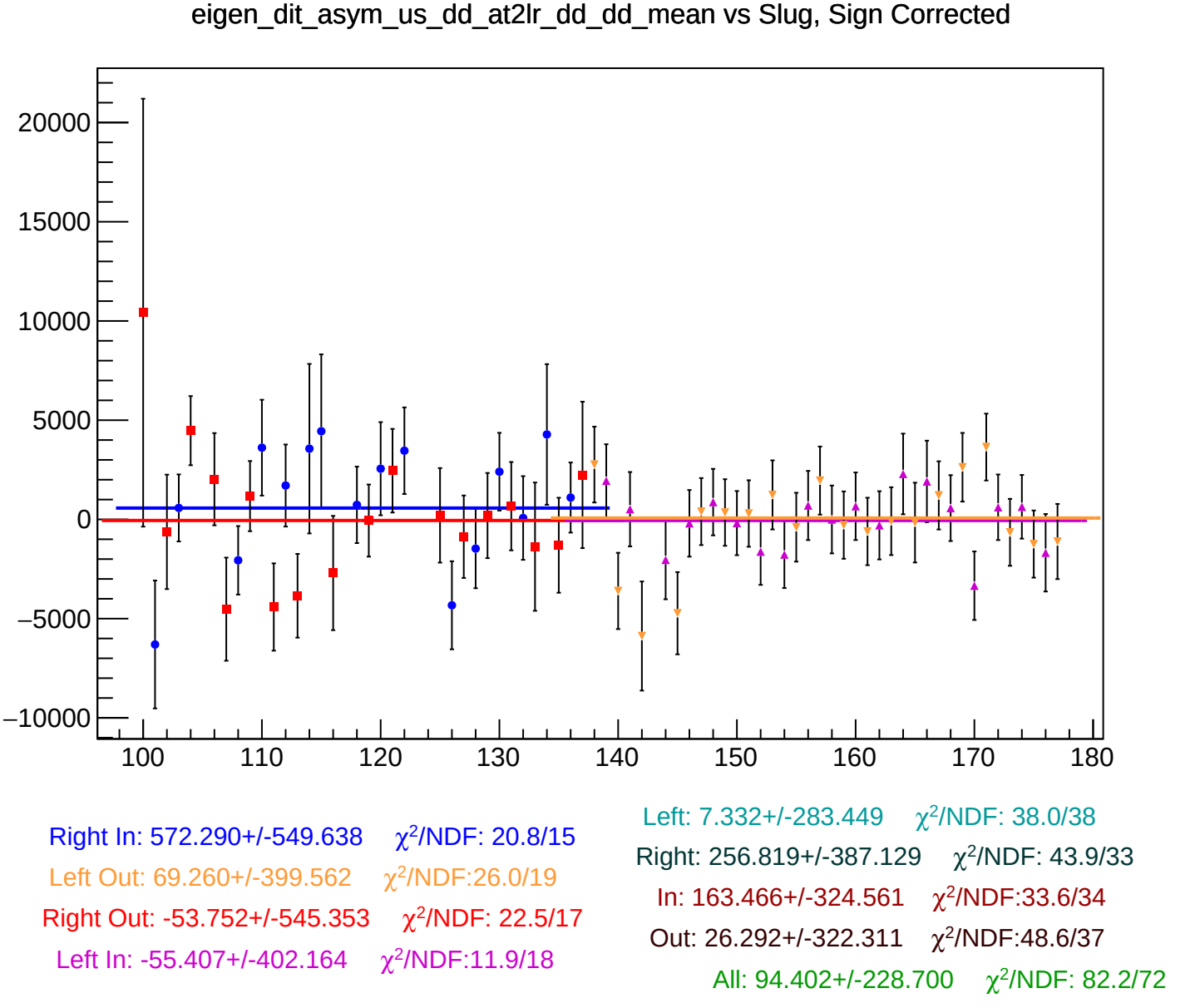
Left: 463.760+/-0.063 χ^2/NDF: 8581810.7/38

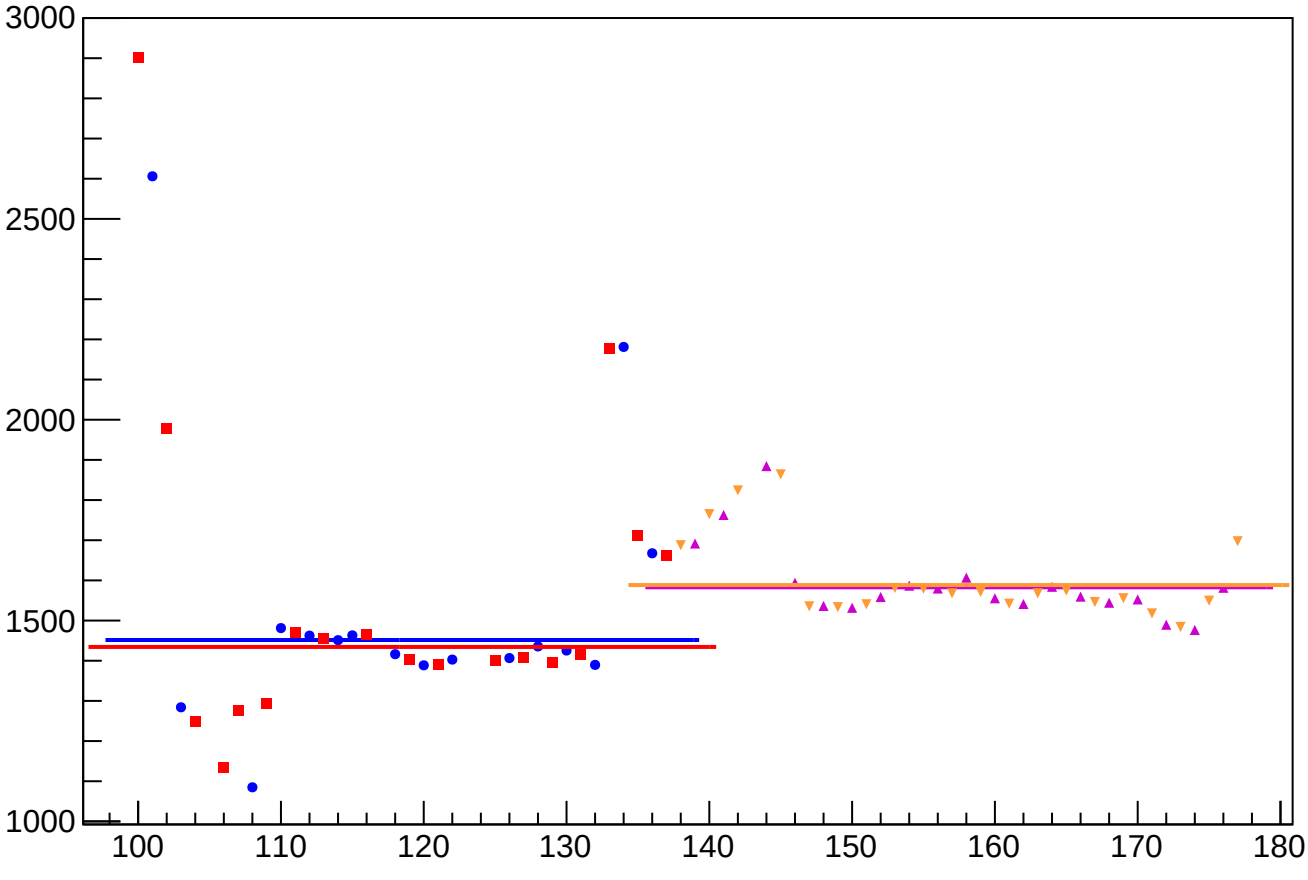
Right: 483.362+/-0.111 χ^2/NDF: 9275456.5/33

In: 514.212+/-0.084 χ^2/NDF:7830869.0/34

Out: 434.707+/-0.073 χ^2/NDF:9539428.8/37

All: 468.601+/-0.055 χ^2/NDF: 17880866.2/72


eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: 572.290+/-549.638 χ²/NDF: 20.8/15
Left Out: 69.260+/-399.562 χ²/NDF:26.0/19
Right Out: -53.752+/-545.353 χ²/NDF: 22.5/17
Left In: -55.407+/-402.164 χ²/NDF:11.9/18
Left: 7.332+/-283.449 χ²/NDF: 38.0/38
Right: 256.819+/-387.129 χ²/NDF: 43.9/33
In: 163.466+/-324.561 χ²/NDF:33.6/34
Out: 26.292+/-322.311 χ²/NDF:48.6/37
All: 94.402+/-228.700 χ²/NDF: 82.2/72



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1588.436+/-0.283 χ^2/NDF:101310.4/19

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1582.759+/-0.284 χ^2/NDF:94835.4/18

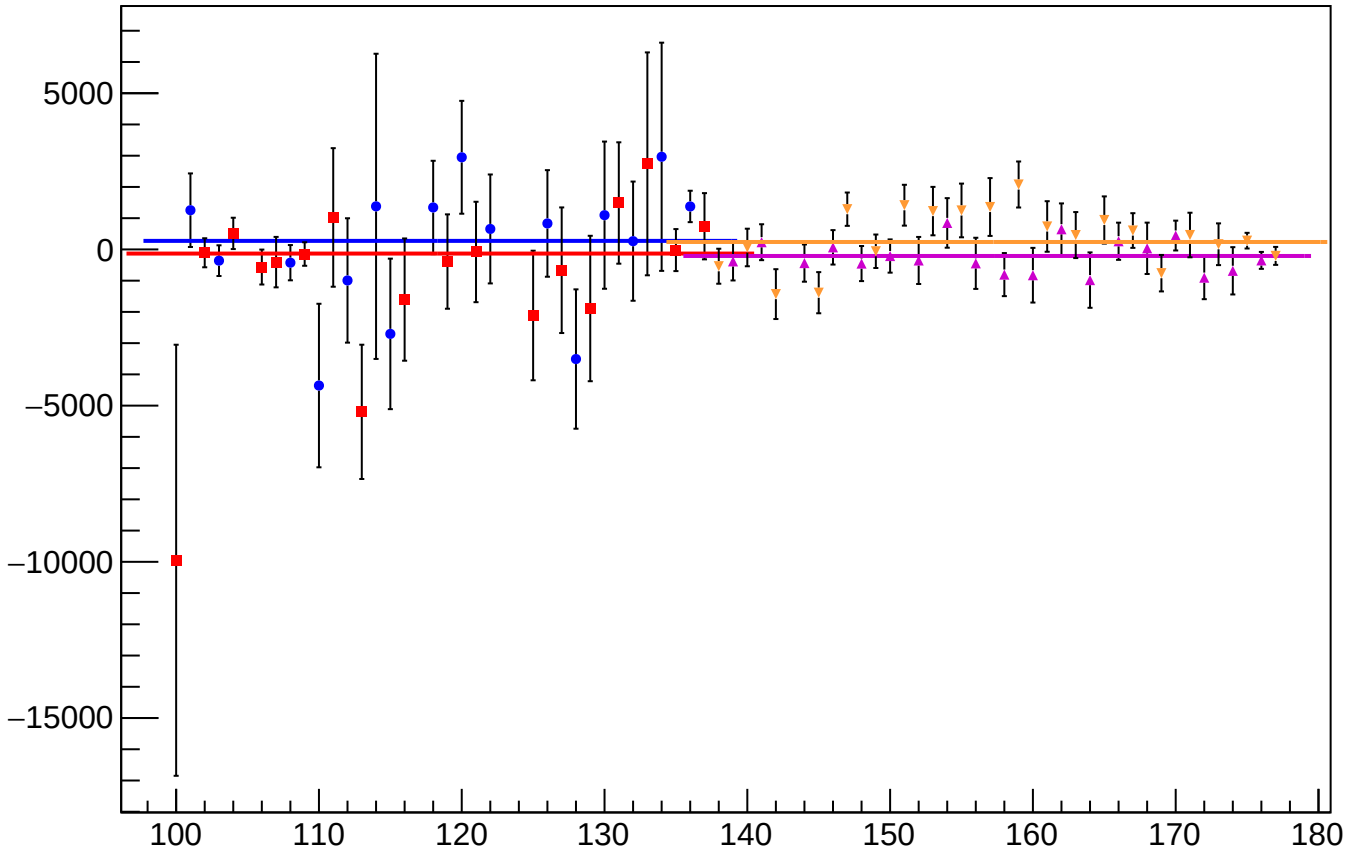
Left: 1585.616+/-0.200 χ^2/NDF: 196346.4/38

Right: 1442.883+/-0.274 χ^2/NDF: 817420.3/33

In: 1537.018+/-0.229 χ^2/NDF:656870.4/34

Out: 1534.604+/-0.228 χ^2/NDF:533832.5/37

All: 1535.802+/-0.162 χ^2/NDF: 1190758.6/72



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: 238.361+/-120.662 χ^2/NDF:37.8/19

Right Out: -132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: -209.667+/-134.031 χ^2/NDF:10.5/18

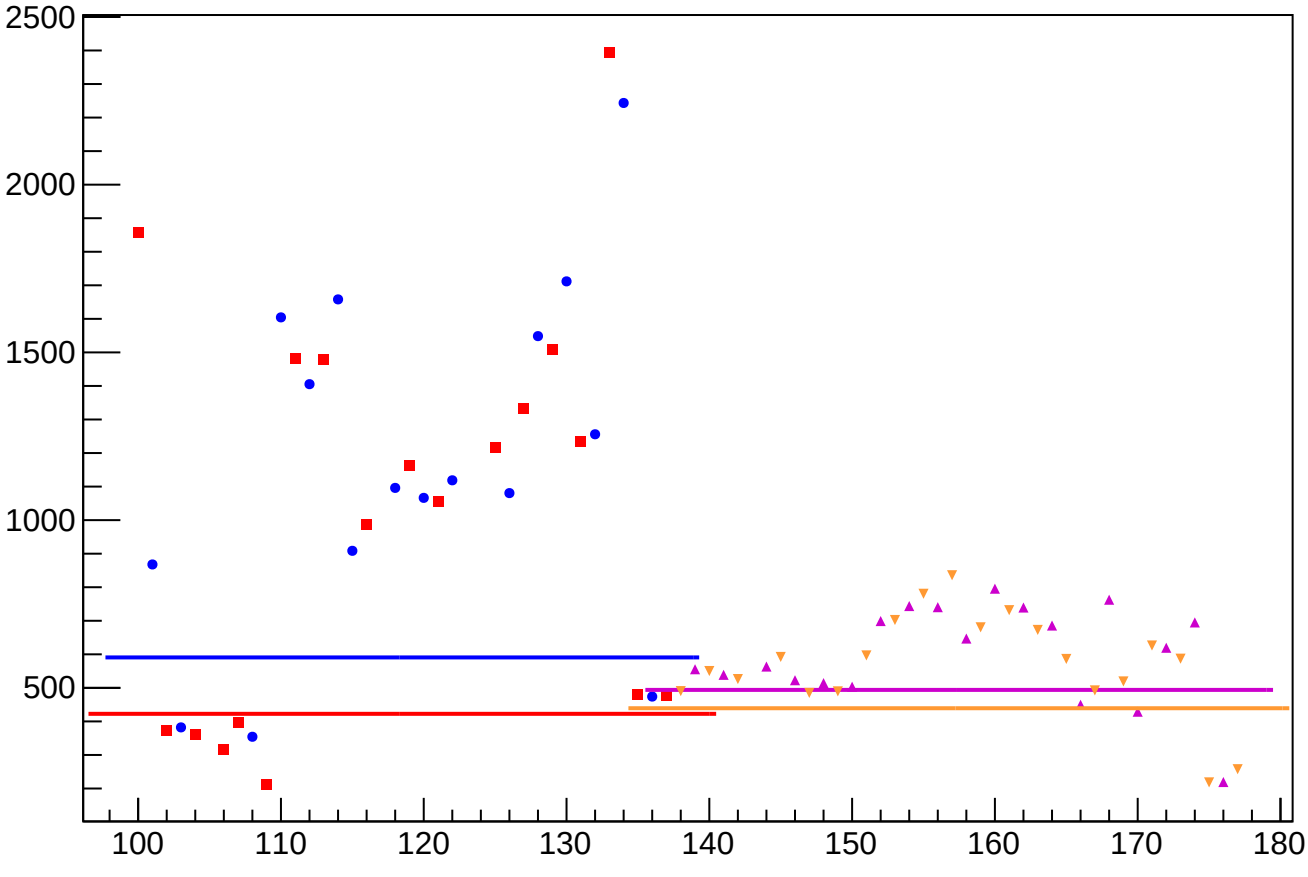
Left: 37.800+/-89.676 χ^2/NDF: 54.5/38

Right: 14.101+/-156.594 χ^2/NDF: 36.2/33

In: -108.570+/-119.185 χ^2/NDF:33.4/34

Out: 136.369+/-102.743 χ^2/NDF:54.9/37

All: 31.947+/-77.819 χ^2/NDF: 90.7/72



Right In: 590.747+/-0.184 χ^2/NDF: 3885530.6/15

Left Out: 439.292+/-0.085 χ^2/NDF:4670800.8/19

Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 493.959+/-0.095 χ^2/NDF:3727004.2/18

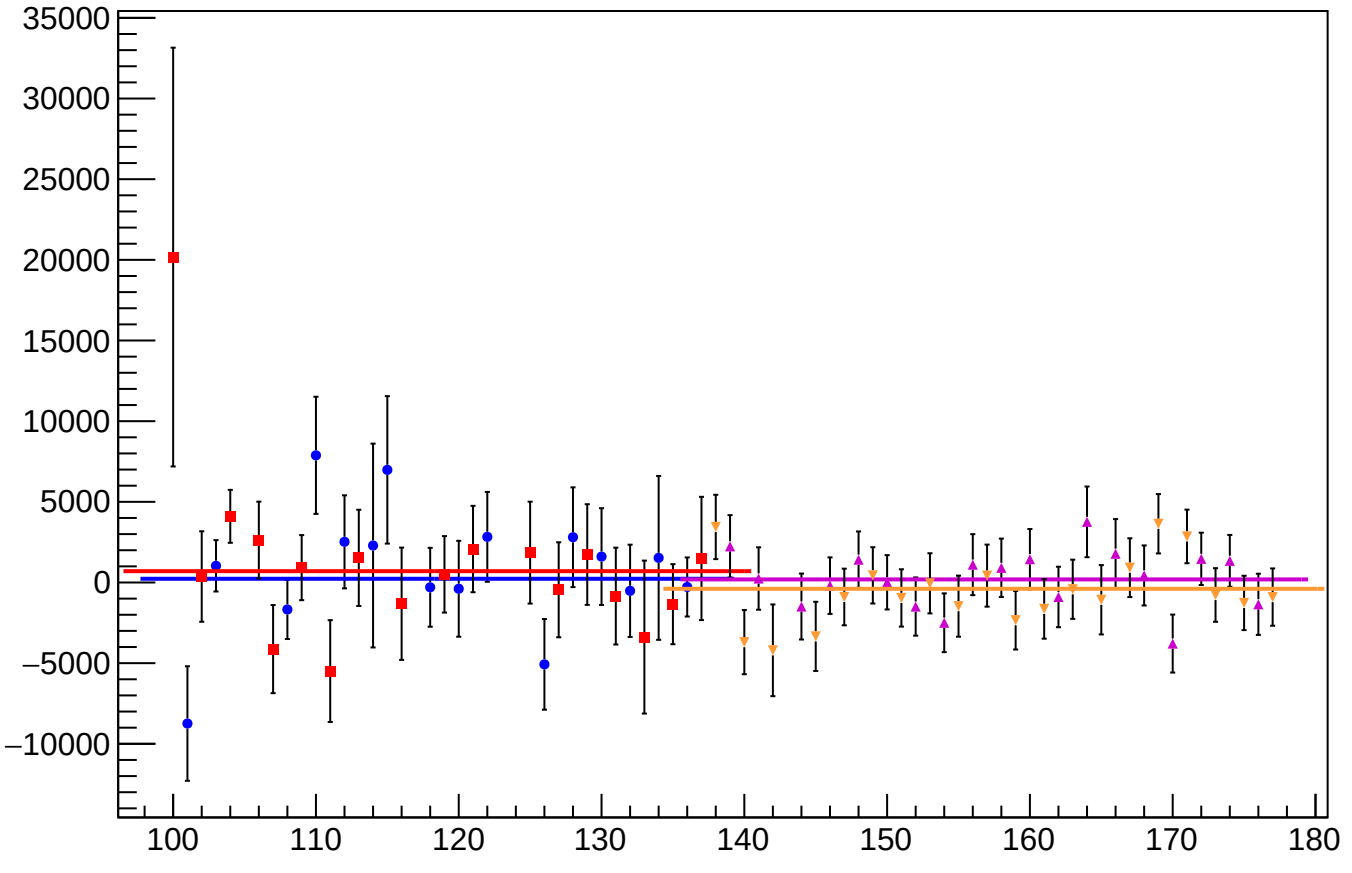
Left: 463.764+/-0.063 χ^2/NDF: 8581577.9/38

Right: 483.366+/-0.111 χ^2/NDF: 9275354.4/33

In: 514.214+/-0.084 χ^2/NDF:7830789.4/34

Out: 434.712+/-0.073 χ^2/NDF:9539214.6/37

All: 468.605+/-0.055 χ^2/NDF: 17880531.5/72



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -390.074+/-416.956 χ^2/NDF:22.3/19

Right Out: 702.268+/-648.319 χ^2/NDF: 17.0/17

Left In: 190.810+/-422.169 χ^2/NDF:16.5/18

Left: -103.240+/-296.658 χ^2/NDF: 39.8/38

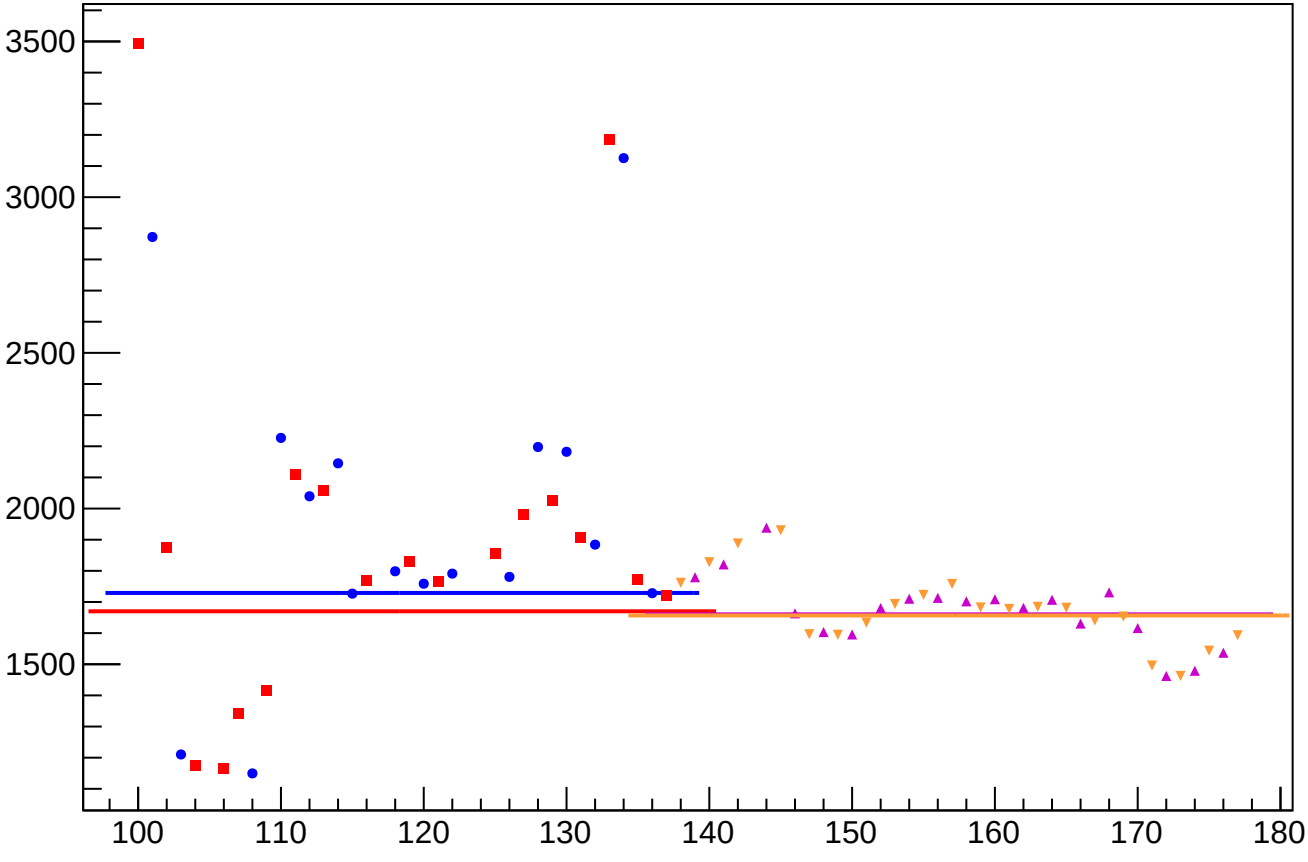
Right: 472.942+/-464.638 χ^2/NDF: 38.0/33

In: 202.256+/-356.604 χ^2/NDF:37.2/34

Out: -70.457+/-350.690 χ^2/NDF:41.4/37

All: 63.619+/-250.040 χ^2/NDF: 78.9/72

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: 1656.706+/-0.295 χ^2/NDF:139189.0/19

Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

Left In: 1660.326+/-0.299 χ^2/NDF:138490.1/18

Left: 1658.493+/-0.210 χ^2/NDF: 277753.5/38

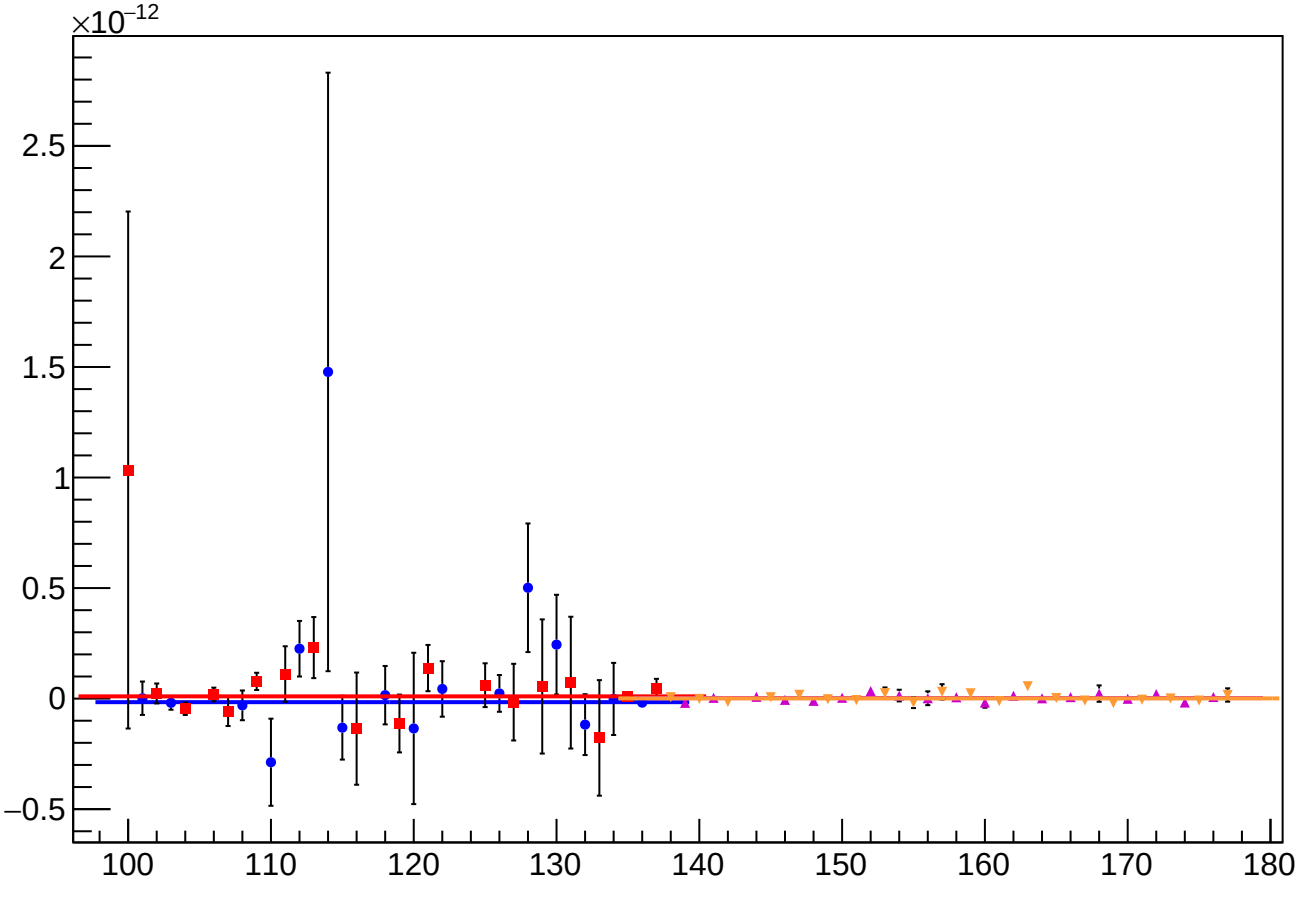
Right: 1698.749+/-0.329 χ^2/NDF: 1694585.4/33

In: 1680.014+/-0.252 χ^2/NDF:1095753.1/34

Out: 1660.612+/-0.248 χ^2/NDF:884241.0/37

All: 1670.151+/-0.177 χ^2/NDF: 1983003.9/72

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:16.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 16.4/17

Left In: 0.000+/-0.000 χ^2/NDF:12.0/18

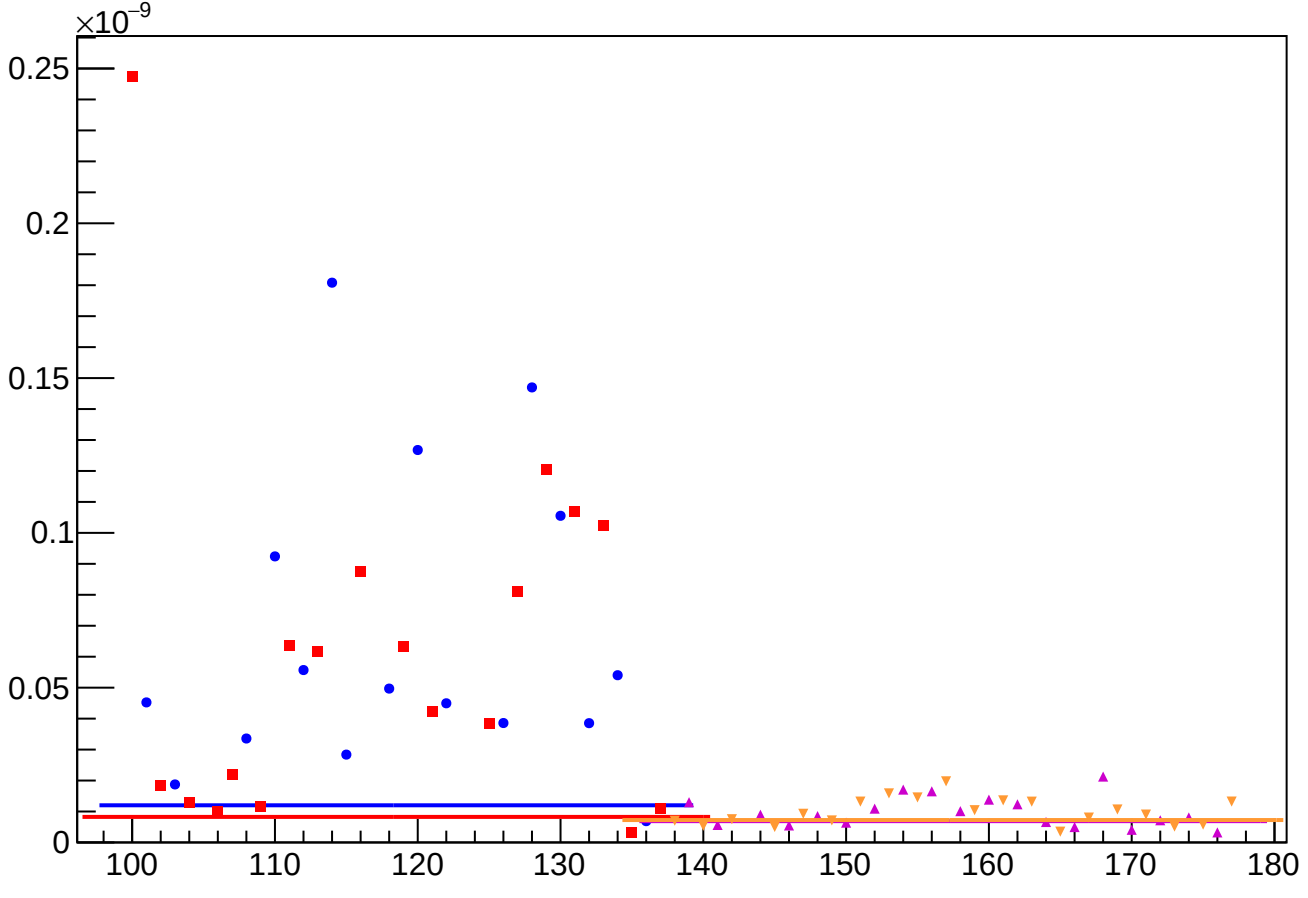
Left: 0.000+/-0.000 χ^2/NDF: 28.7/38

Right: -0.000+/-0.000 χ^2/NDF: 33.5/33

In: 0.000+/-0.000 χ^2/NDF:28.2/34

Out: 0.000+/-0.000 χ^2/NDF:34.1/37

All: 0.000+/-0.000 χ^2/NDF: 62.4/72



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2043347.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2269464.0/18

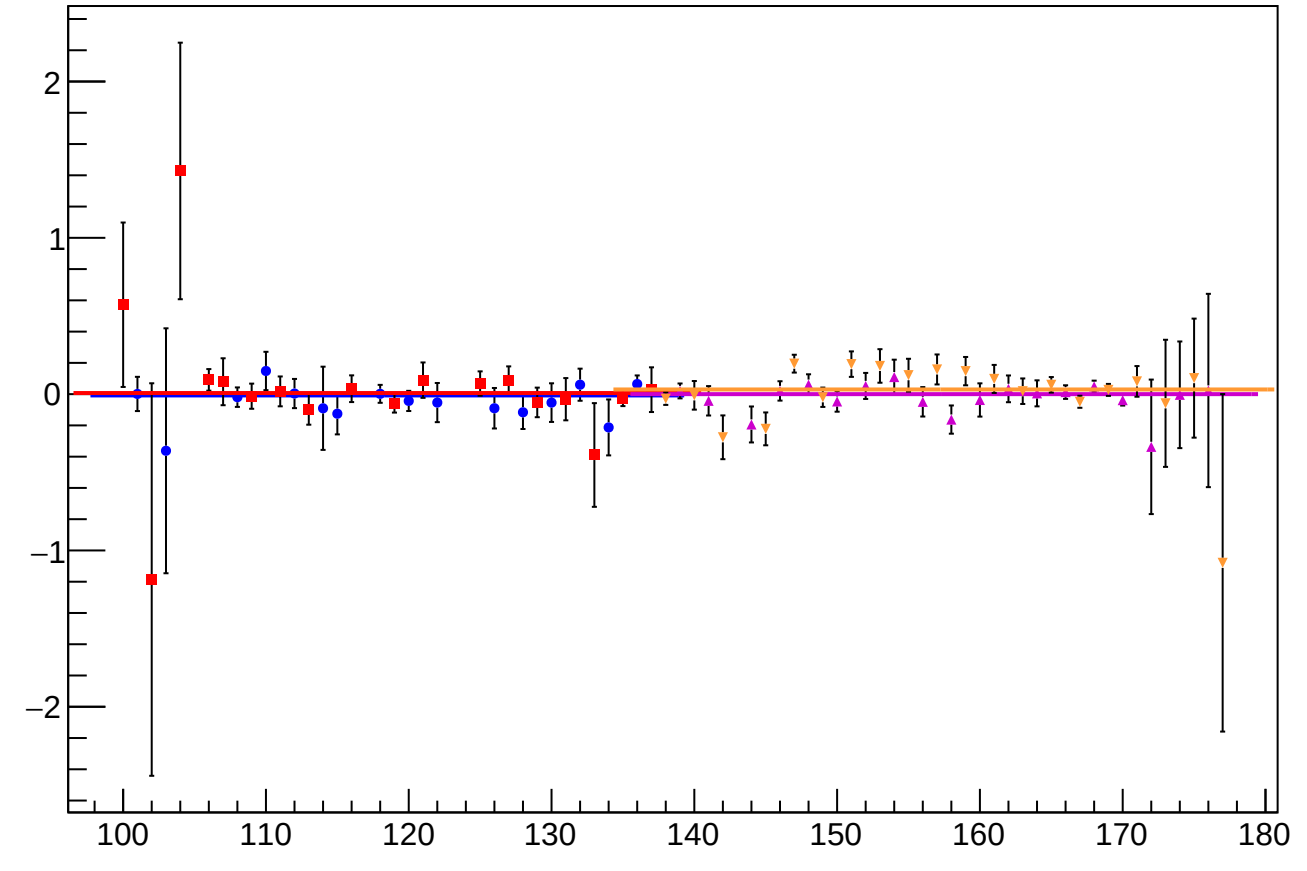
Left: 0.000+/-0.000 χ^2/NDF: 4325790.2/38

Right: 0.000+/-0.000 χ^2/NDF: 7091803.5/33

In: 0.000+/-0.000 χ^2/NDF:6152923.9/34

Out: 0.000+/-0.000 χ^2/NDF:5577601.3/37

All: 0.000+/-0.000 χ^2/NDF: 11730801.7/72



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:38.6/19

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.015 χ^2/NDF:13.6/18

Left: 0.015+/-0.011 χ^2/NDF: 54.0/38

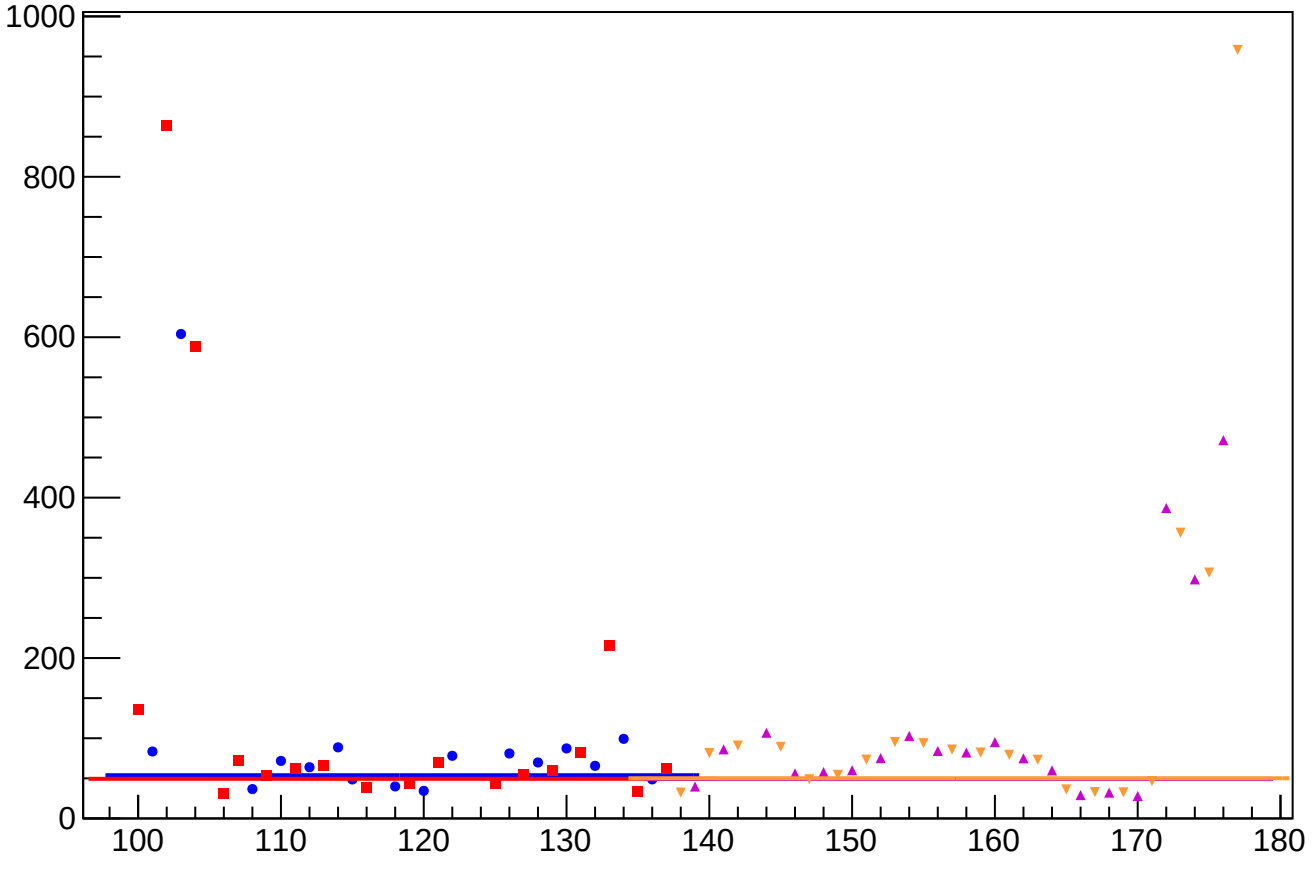
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.003+/-0.013 χ^2/NDF:22.0/34

Out: 0.022+/-0.013 χ^2/NDF:53.0/37

All: 0.010+/-0.009 χ^2/NDF: 76.9/72

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: 50.105+/-0.011 χ^2/NDF:7293942.6/19

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 49.290+/-0.011 χ^2/NDF:7628171.4/18

Left: 49.692+/-0.008 χ^2/NDF: 14924917.4/38

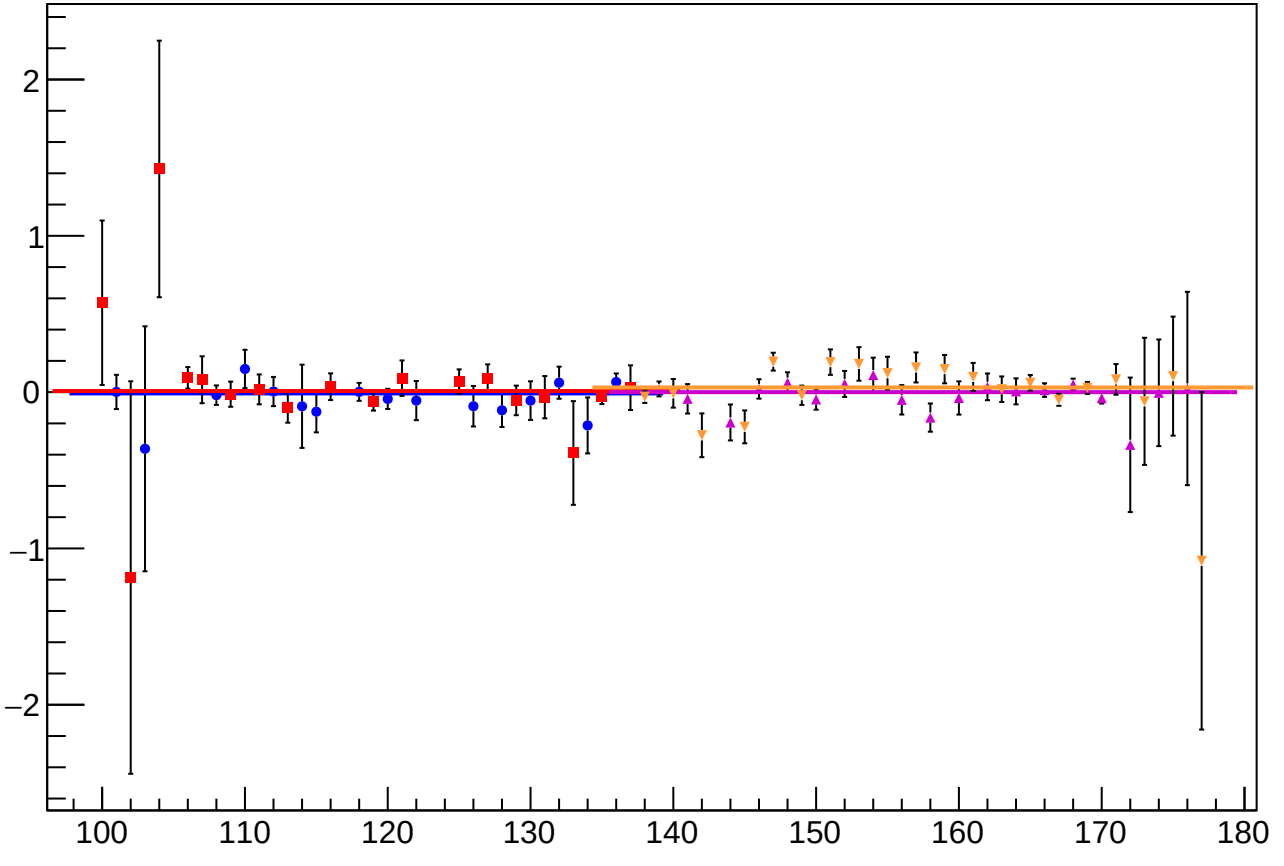
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 50.700+/-0.009 χ^2/NDF:9898538.2/34

Out: 49.881+/-0.009 χ^2/NDF:10312940.8/37

All: 50.289+/-0.006 χ^2/NDF: 20215622.7/72

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:38.6/19

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.015 χ^2/NDF:13.6/18

Left: 0.015+/-0.011 χ^2/NDF: 54.0/38

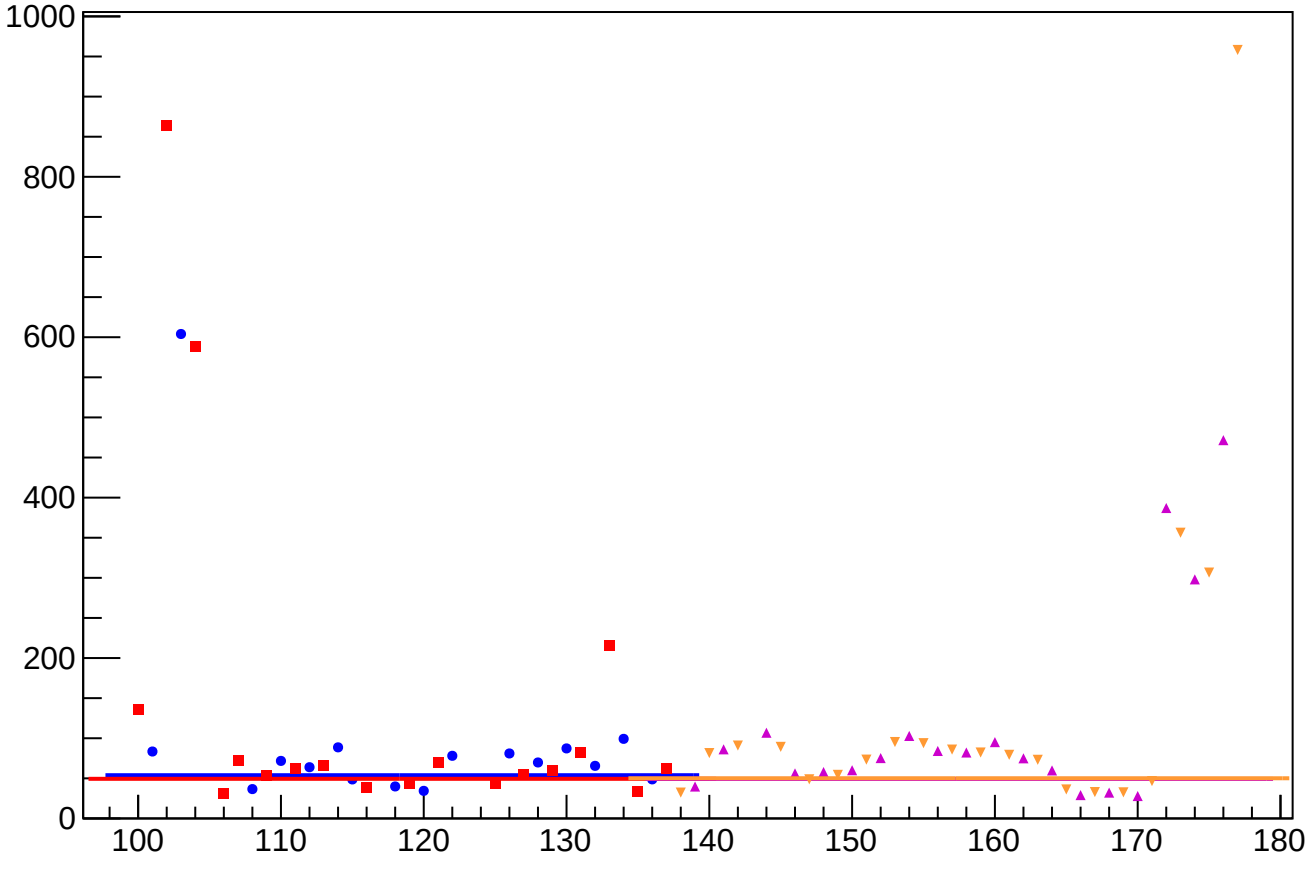
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.003+/-0.013 χ^2/NDF:22.0/34

Out: 0.022+/-0.013 χ^2/NDF:53.0/37

All: 0.010+/-0.009 χ^2/NDF: 76.9/72

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: 50.105+/-0.011 χ^2/NDF:7293942.6/19

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 49.290+/-0.011 χ^2/NDF:7628171.4/18

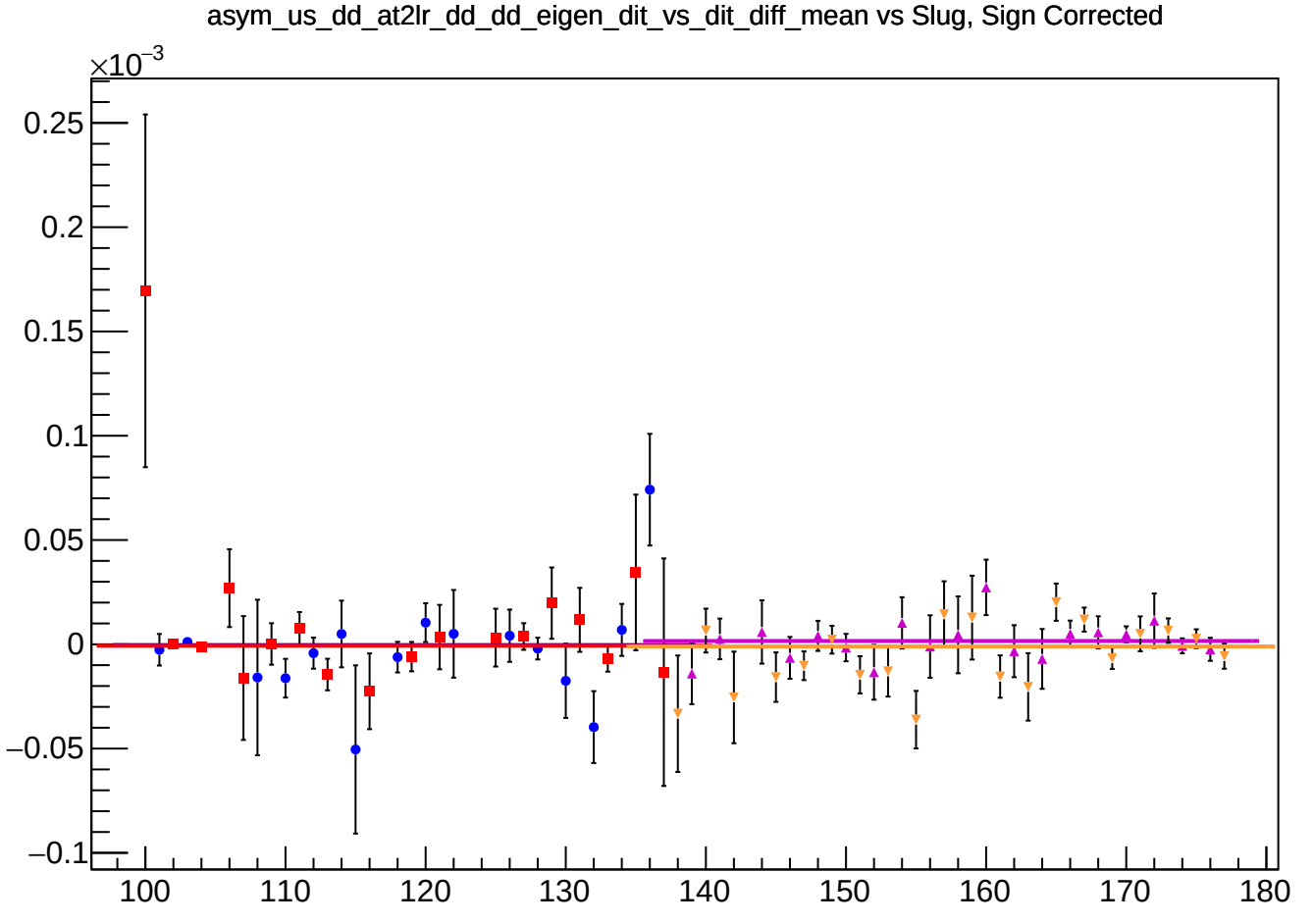
Left: 49.692+/-0.008 χ^2/NDF: 14924917.4/38

Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 50.700+/-0.009 χ^2/NDF:9898538.2/34

Out: 49.881+/-0.009 χ^2/NDF:10312940.8/37

All: 50.289+/-0.006 χ^2/NDF: 20215622.7/72



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:36.7/19

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: 0.000+/-0.000 χ^2/NDF:11.1/18

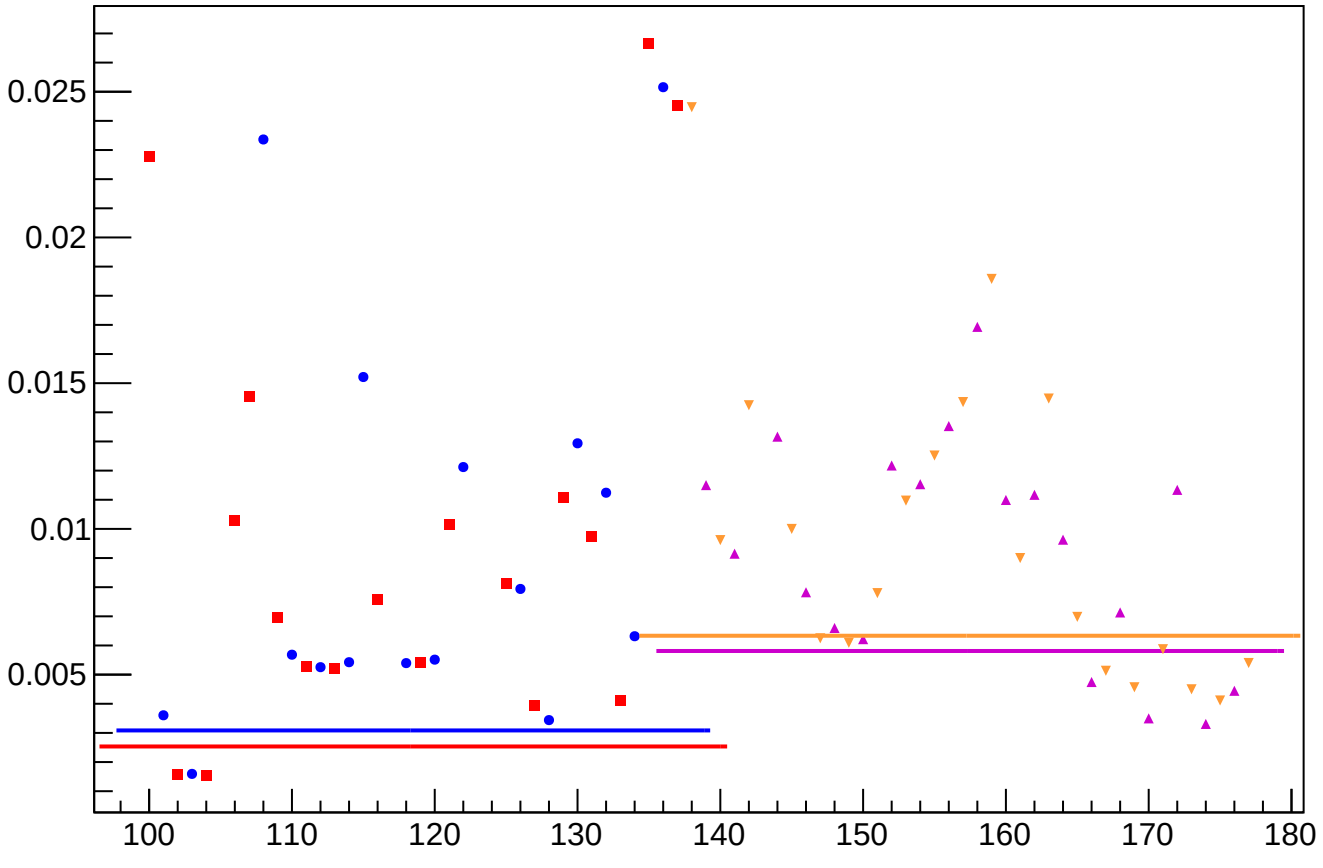
Left: 0.000+/-0.000 χ^2/NDF: 48.9/38

Right: -0.000+/-0.000 χ^2/NDF: 40.0/33

In: 0.000+/-0.000 χ^2/NDF:33.9/34

Out: -0.000+/-0.000 χ^2/NDF:54.6/37

All: -0.000+/-0.000 χ^2/NDF: 89.2/72



Right In: 0.003+/-0.000 χ^2/NDF: 5779108.6/15

Left Out: 0.006+/-0.000 χ^2/NDF:5214305.9/19

Right Out: 0.003+/-0.000 χ^2/NDF: 6237059.6/17

Left In: 0.006+/-0.000 χ^2/NDF:6361457.2/18

Left: 0.006+/-0.000 χ^2/NDF: 11663282.3/38

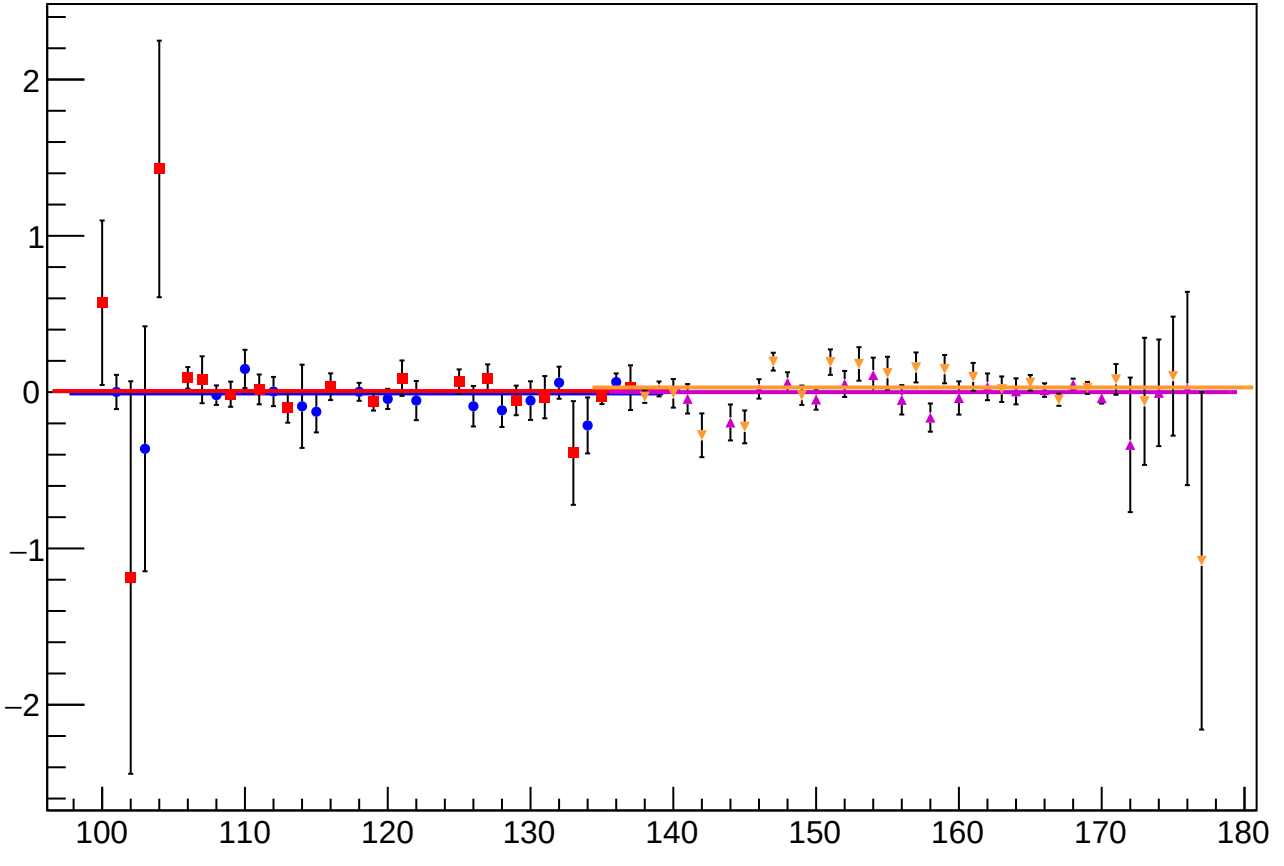
Right: 0.003+/-0.000 χ^2/NDF: 12159145.0/33

In: 0.004+/-0.000 χ^2/NDF:14776952.3/34

Out: 0.004+/-0.000 χ^2/NDF:17400454.0/37

All: 0.004+/-0.000 χ^2/NDF: 32430038.4/72

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:38.6/19

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.015 χ^2/NDF:13.6/18

Left: 0.015+/-0.011 χ^2/NDF: 54.0/38

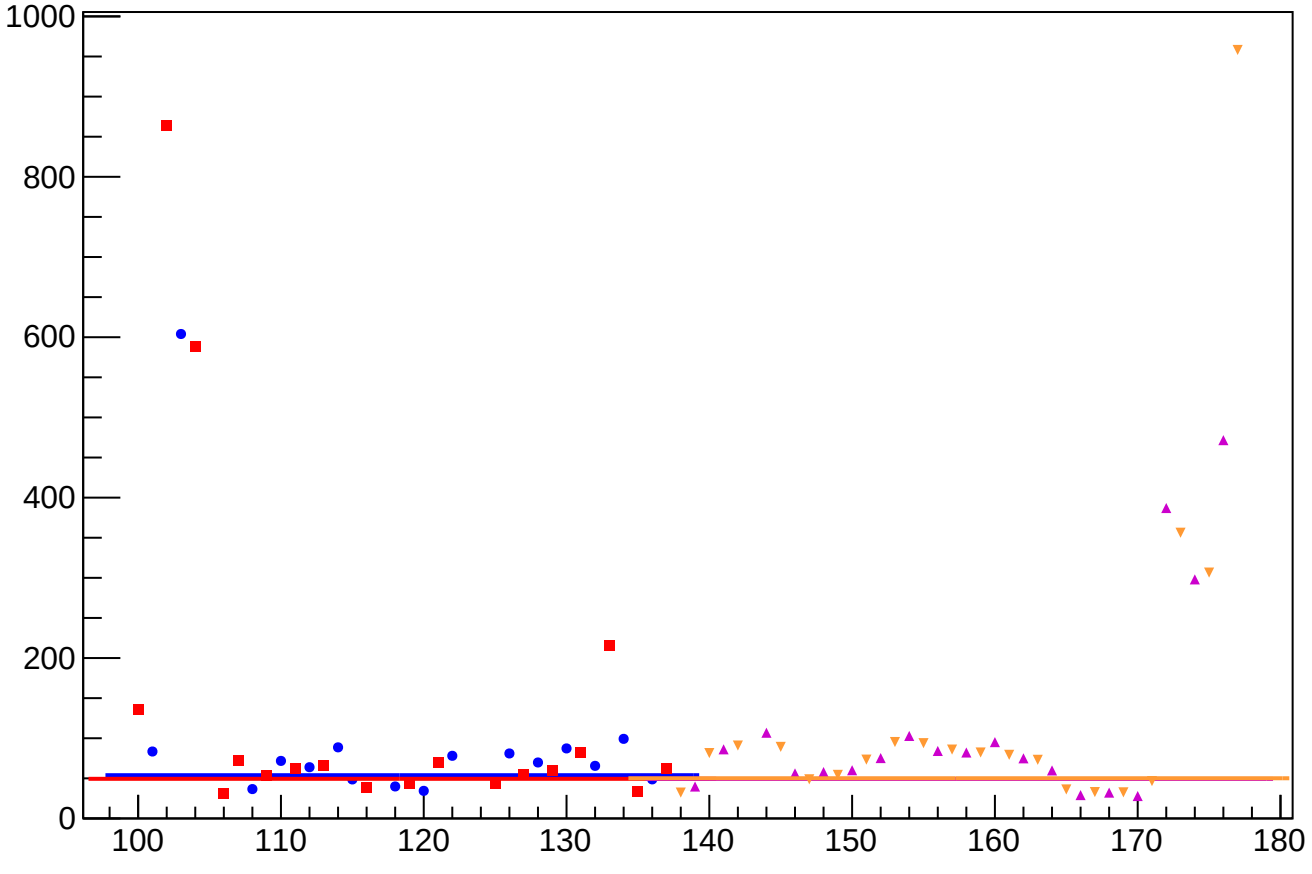
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.003+/-0.013 χ^2/NDF:22.0/34

Out: 0.022+/-0.013 χ^2/NDF:53.0/37

All: 0.010+/-0.009 χ^2/NDF: 76.9/72

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: 50.107+/-0.011 χ^2/NDF:7293150.0/19

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 49.290+/-0.011 χ^2/NDF:7628108.9/18

Left: 49.693+/-0.008 χ^2/NDF: 14924078.5/38

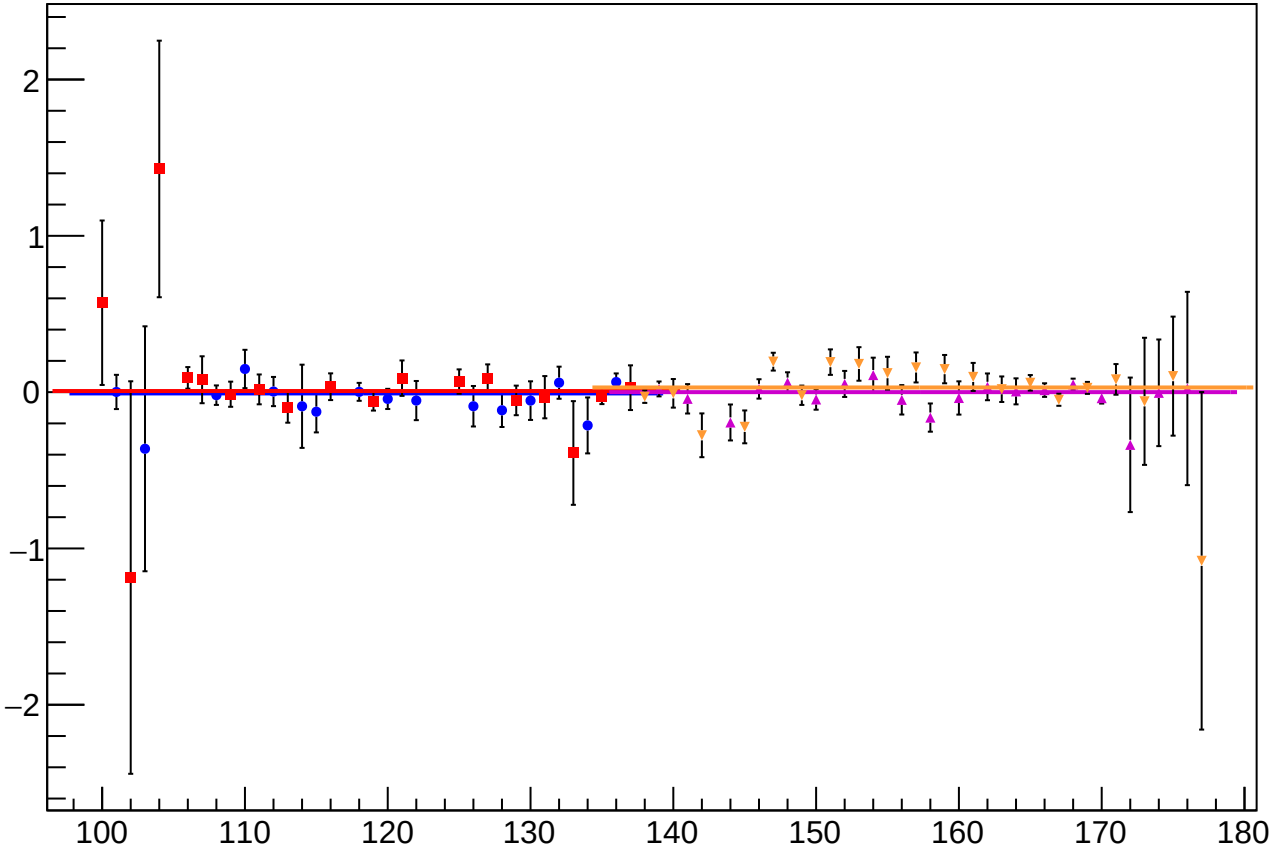
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 50.701+/-0.009 χ^2/NDF:9898153.9/34

Out: 49.883+/-0.009 χ^2/NDF:10311870.3/37

All: 50.291+/-0.006 χ^2/NDF: 20214154.4/72

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:38.6/19

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.015 χ^2/NDF:13.6/18

Left: 0.015+/-0.011 χ^2/NDF: 54.0/38

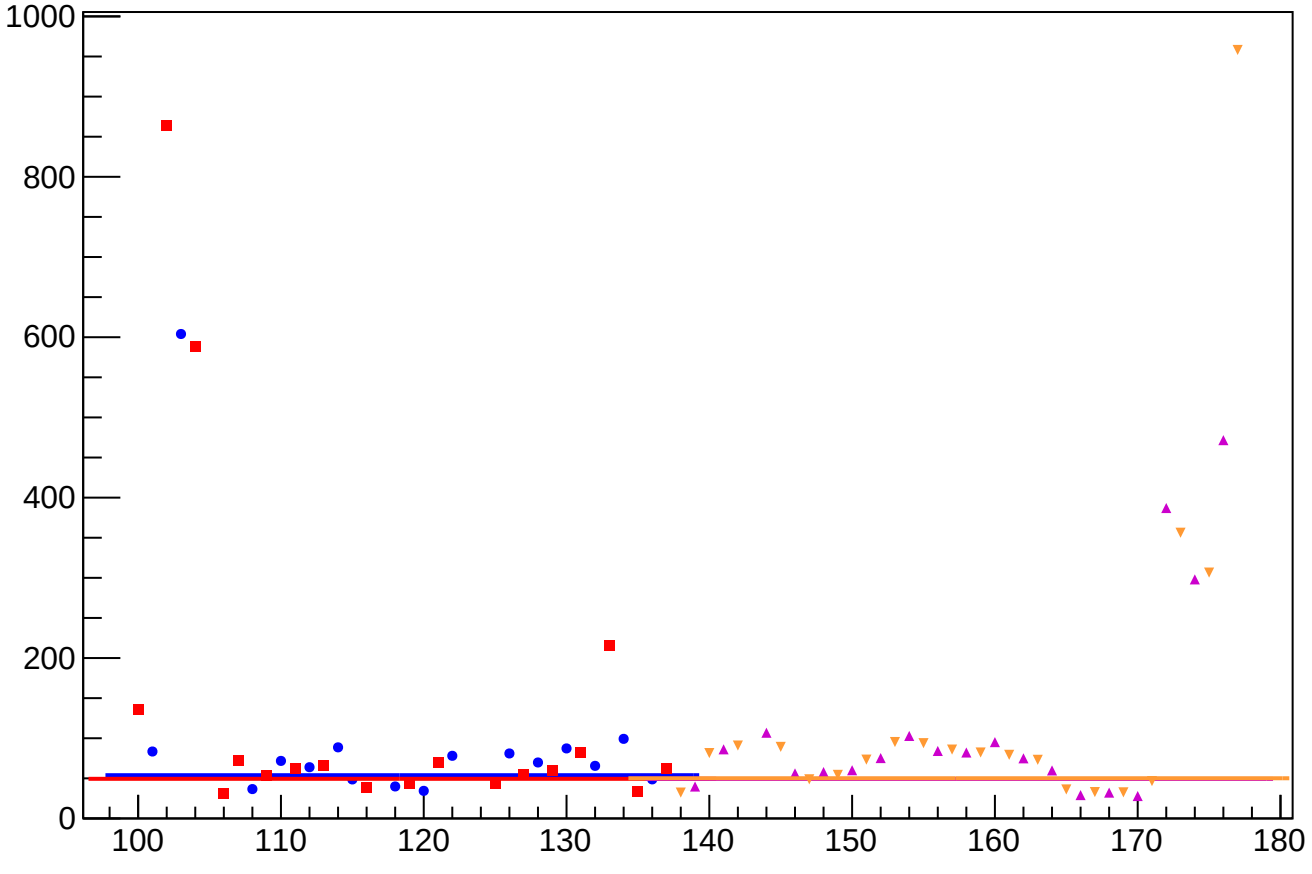
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.003+/-0.013 χ^2/NDF:22.0/34

Out: 0.022+/-0.013 χ^2/NDF:53.0/37

All: 0.010+/-0.009 χ^2/NDF: 76.9/72

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: 50.107+/-0.011 χ^2/NDF:7293150.0/19

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 49.290+/-0.011 χ^2/NDF:7628108.9/18

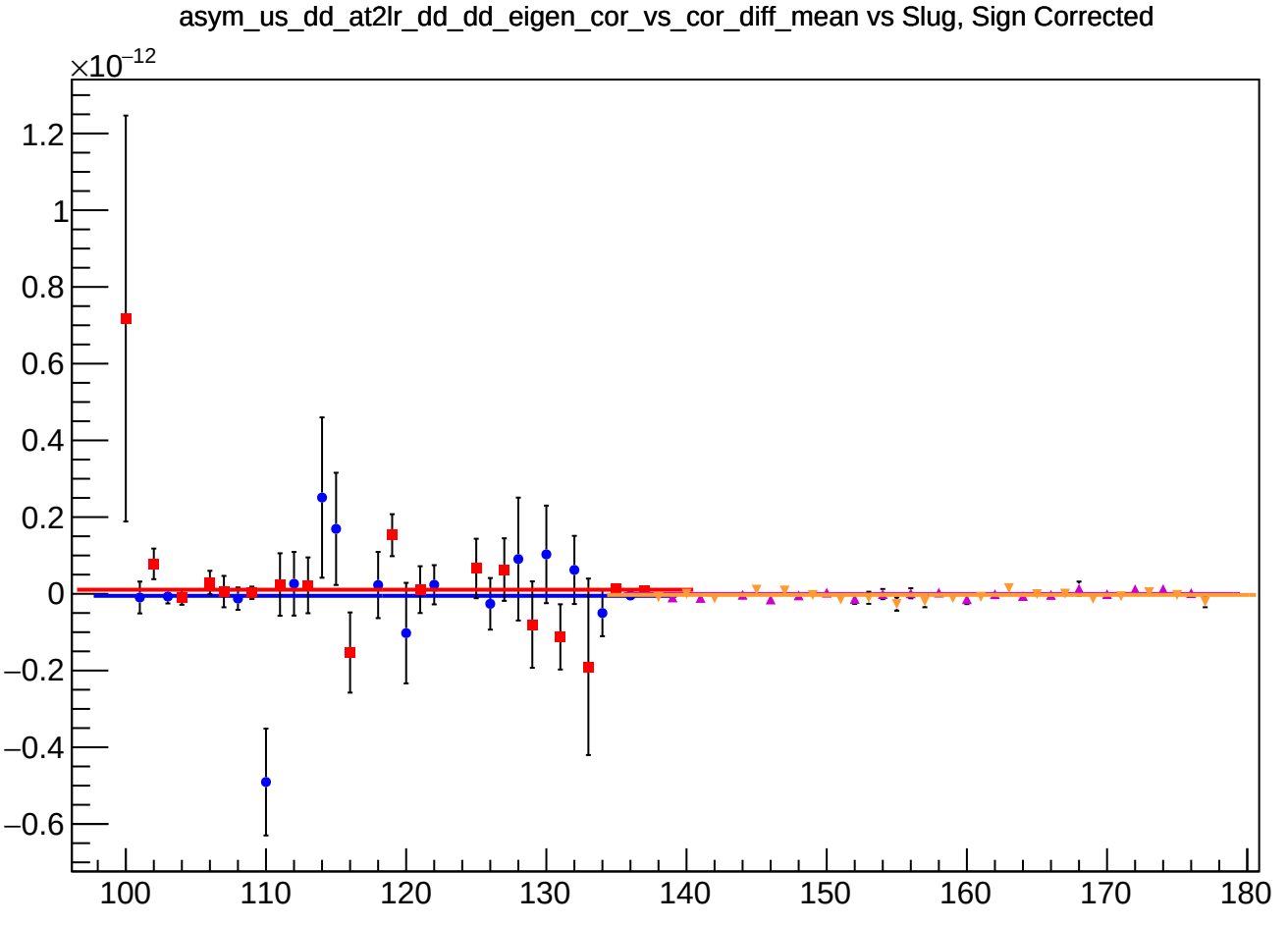
Left: 49.693+/-0.008 χ^2/NDF: 14924078.5/38

Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 50.701+/-0.009 χ^2/NDF:9898153.9/34

Out: 49.883+/-0.009 χ^2/NDF:10311870.3/37

All: 50.291+/-0.006 χ^2/NDF: 20214154.4/72



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.3/19

Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: -0.000+/-0.000 χ^2/NDF:17.1/18

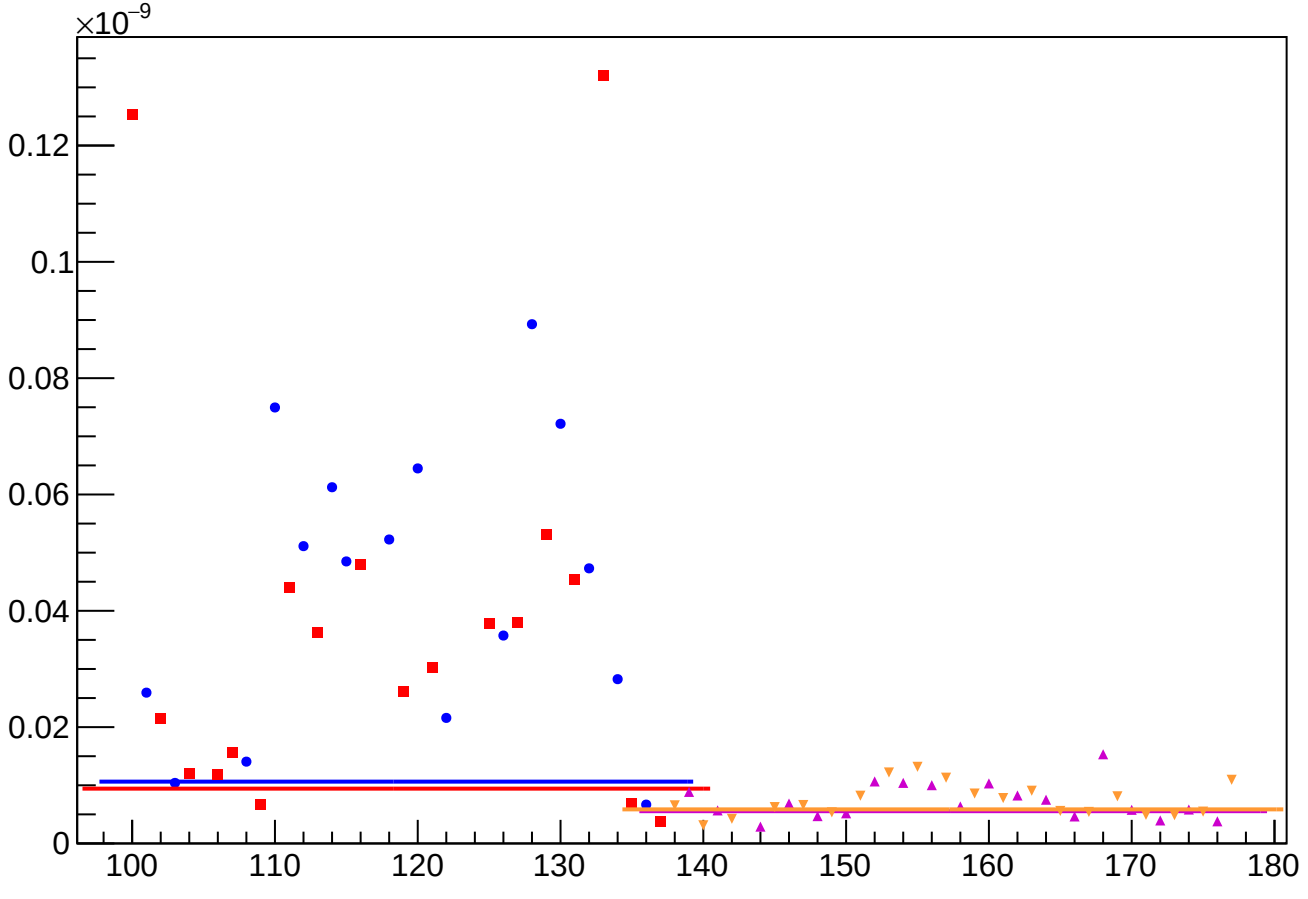
Left: -0.000+/-0.000 χ^2/NDF: 36.1/38

Right: 0.000+/-0.000 χ^2/NDF: 41.5/33

In: -0.000+/-0.000 χ^2/NDF:36.1/34

Out: -0.000+/-0.000 χ^2/NDF:42.4/37

All: -0.000+/-0.000 χ^2/NDF: 78.6/72



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2642047.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

Left In: 0.000+/-0.000 χ^2/NDF:3037985.5/18

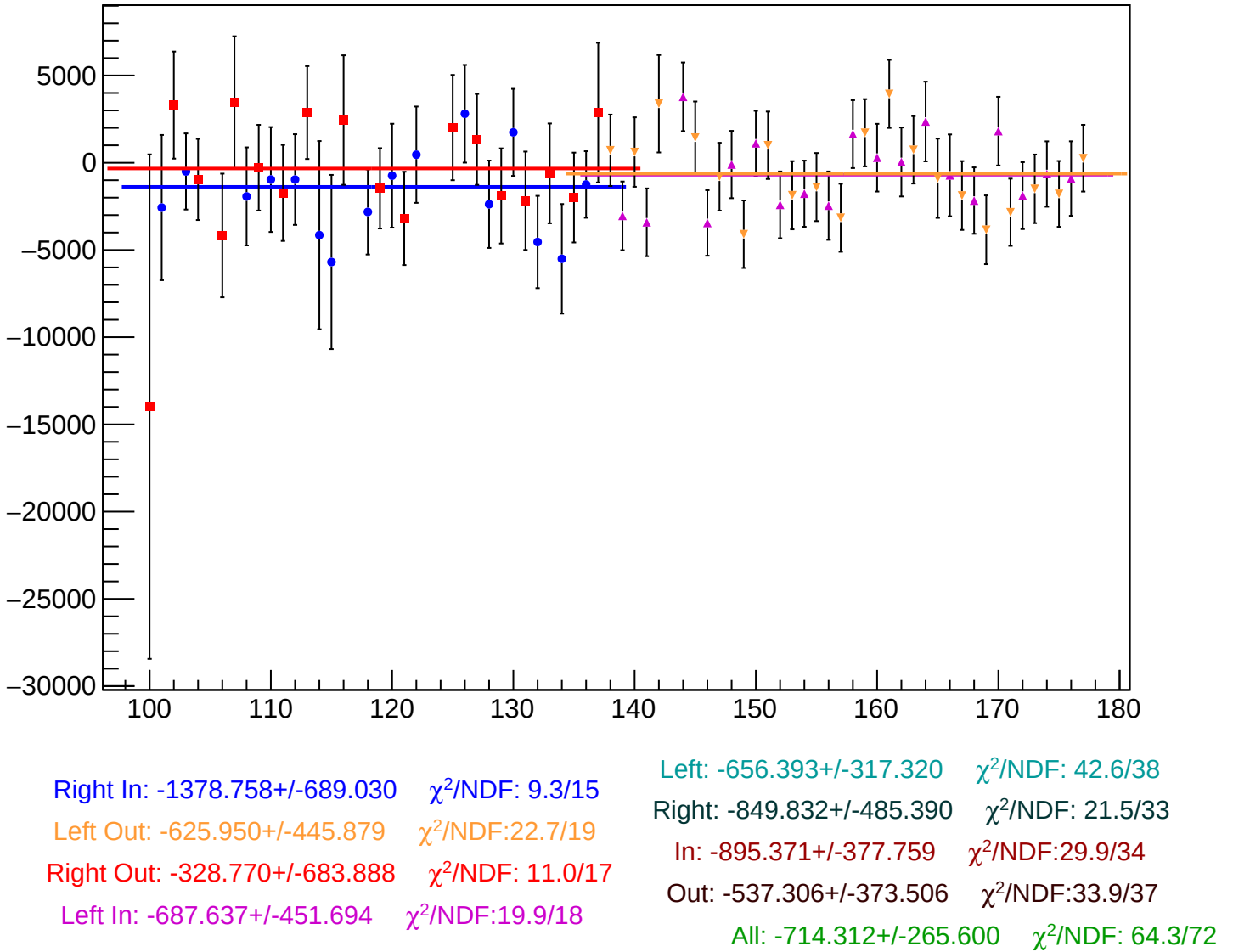
Left: 0.000+/-0.000 χ^2/NDF: 5707641.7/38

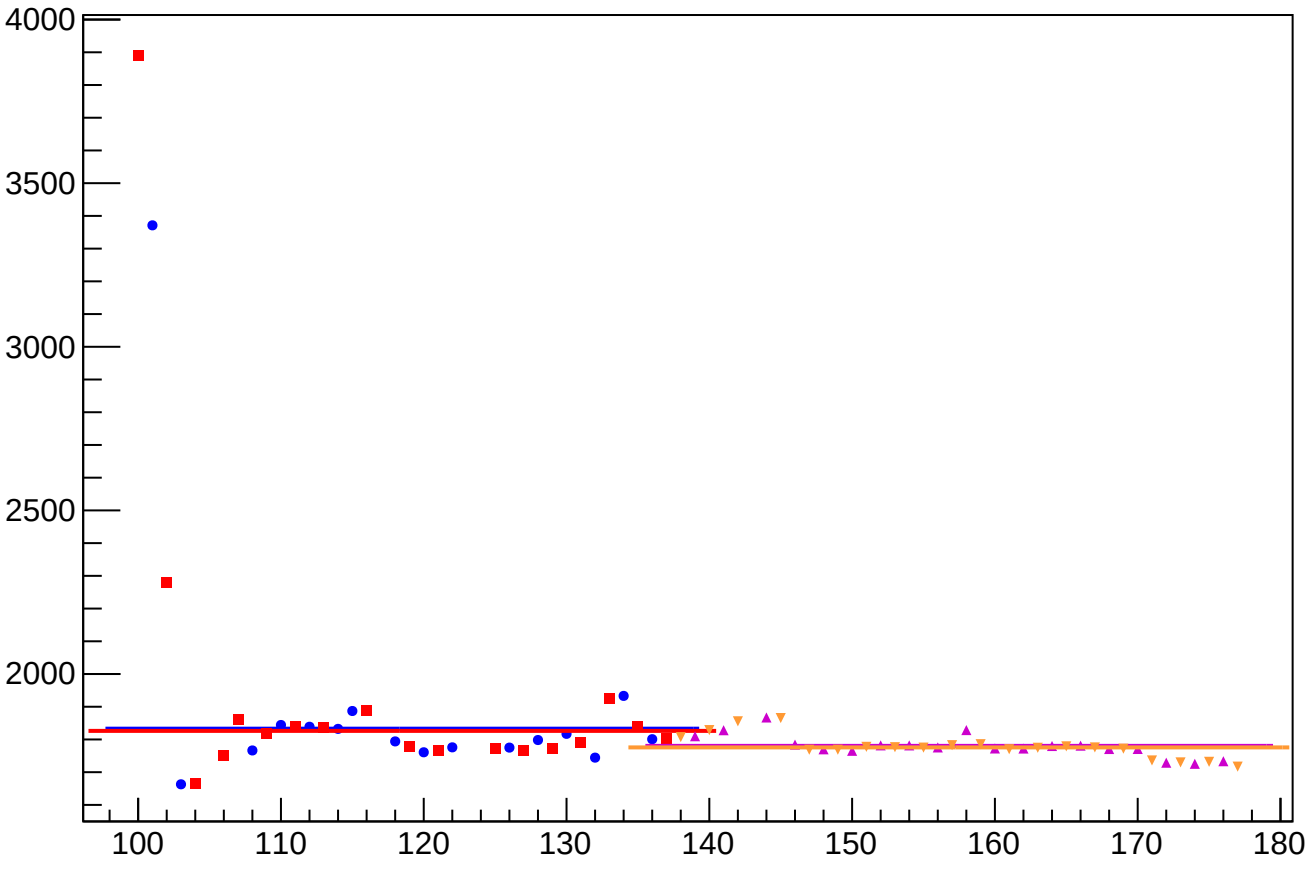
Right: 0.000+/-0.000 χ^2/NDF: 8619590.4/33

In: 0.000+/-0.000 χ^2/NDF:8624566.7/34

Out: 0.000+/-0.000 χ^2/NDF:7232254.5/37

All: 0.000+/-0.000 χ^2/NDF: 15876032.3/72


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: -625.950+/-445.879 χ²/NDF:22.7/19
Right Out: -328.770+/-683.888 χ²/NDF: 11.0/17
Left In: -687.637+/-451.694 χ²/NDF:19.9/18
Left: -656.393+/-317.320 χ²/NDF: 42.6/38
Right: -849.832+/-485.390 χ²/NDF: 21.5/33
In: -895.371+/-377.759 χ²/NDF:29.9/34
Out: -537.306+/-373.506 χ²/NDF:33.9/37
All: -714.312+/-265.600 χ²/NDF: 64.3/72



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1775.712+/-0.315 χ^2/NDF:12348.9/19

Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1780.408+/-0.319 χ^2/NDF:11267.0/18

Left: 1778.030+/-0.224 χ^2/NDF: 23725.3/38

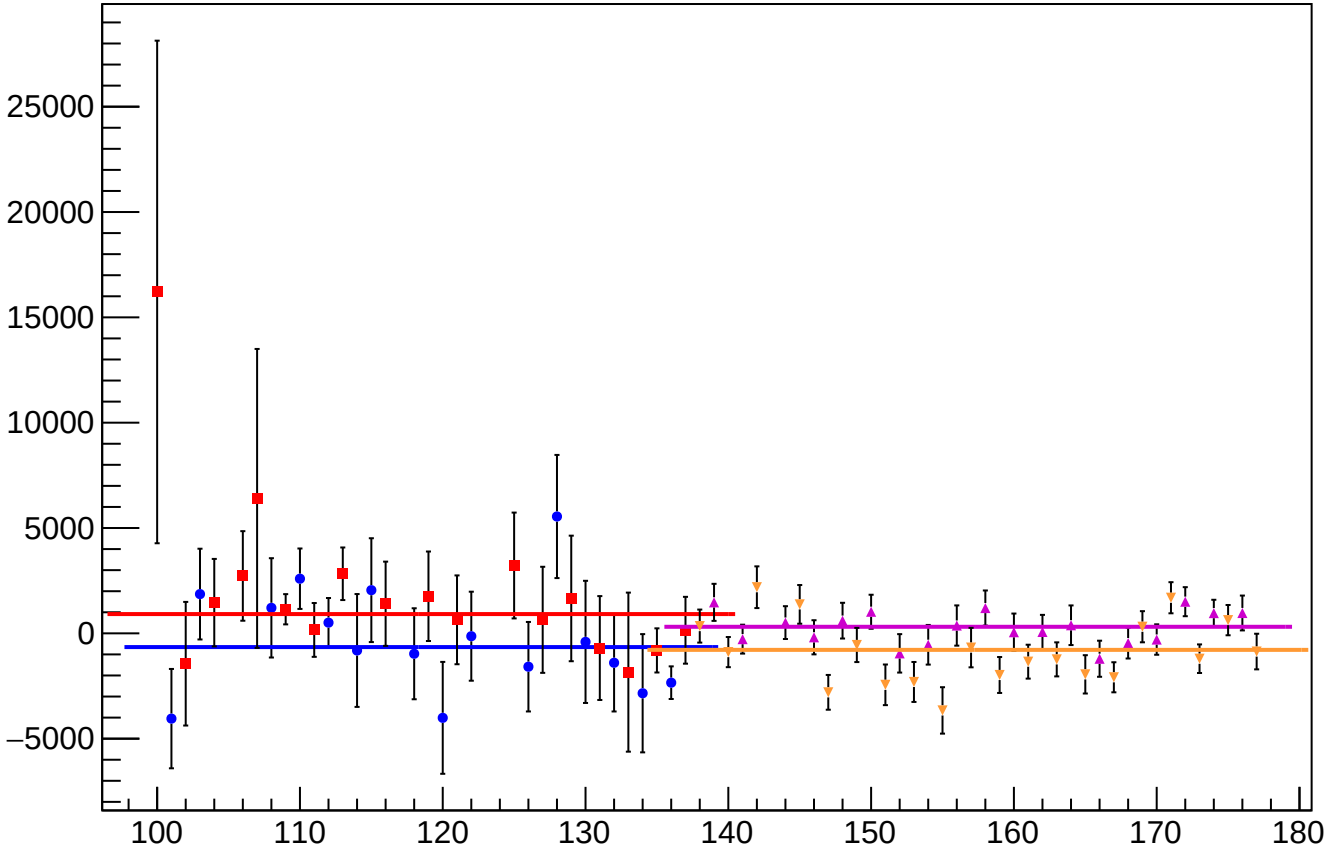
Right: 1829.552+/-0.343 χ^2/NDF: 398542.3/33

In: 1796.200+/-0.267 χ^2/NDF:314839.5/34

Out: 1790.774+/-0.264 χ^2/NDF:123006.7/37

All: 1793.456+/-0.188 χ^2/NDF: 438054.8/72

asym_us_dd_atlr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -784.475+/-183.441 χ^2/NDF:60.4/19

Right Out: 914.717+/-393.421 χ^2/NDF: 11.5/17

Left In: 311.296+/-184.061 χ^2/NDF:17.5/18

Left: -238.439+/-129.931 χ^2/NDF: 95.7/38

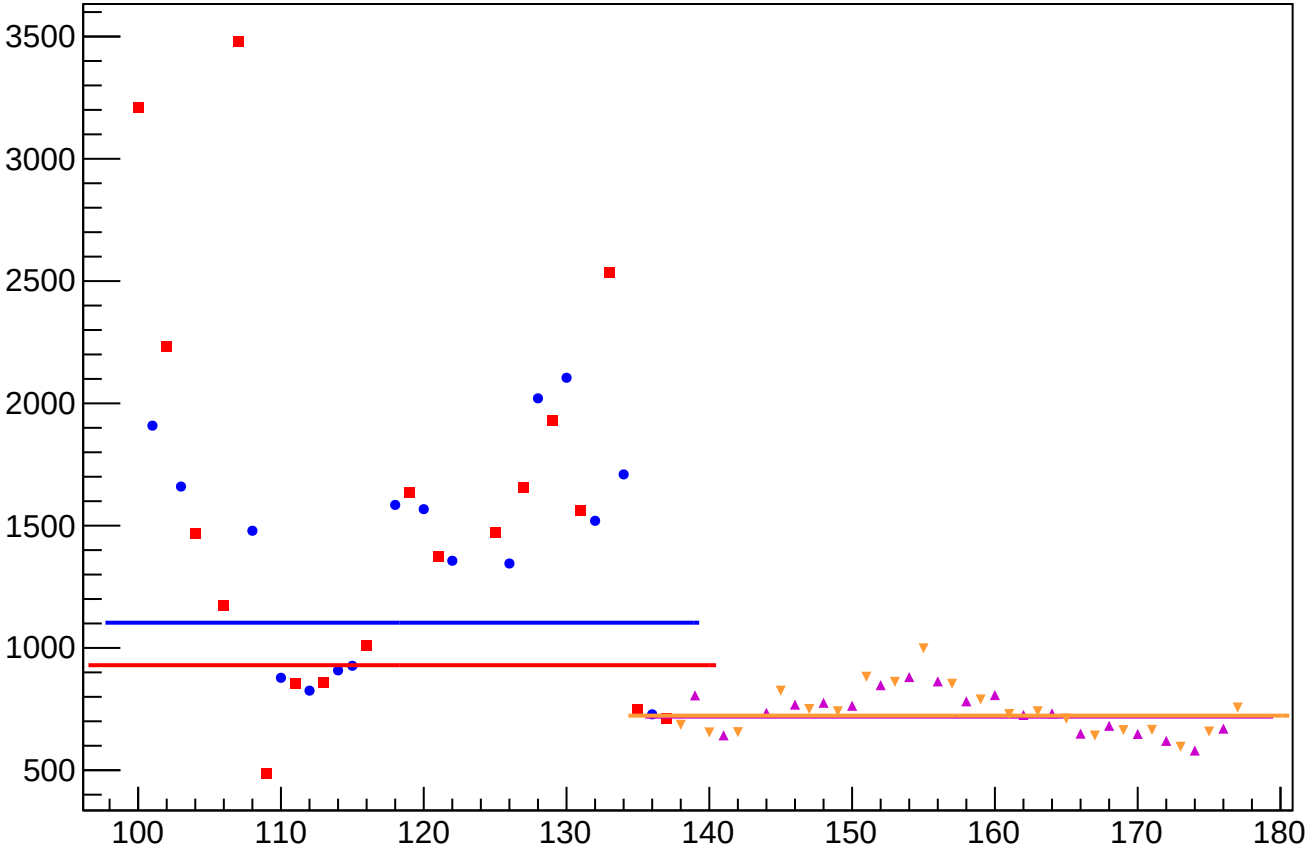
Right: 222.415+/-293.910 χ^2/NDF: 41.8/33

In: 169.018+/-169.924 χ^2/NDF:44.8/34

Out: -481.029+/-166.256 χ^2/NDF:87.3/37

All: -163.098+/-118.837 χ^2/NDF: 139.5/72

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: 723.192+/-0.130 χ^2/NDF:474945.8/19

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

Left In: 718.912+/-0.130 χ^2/NDF:426161.0/18

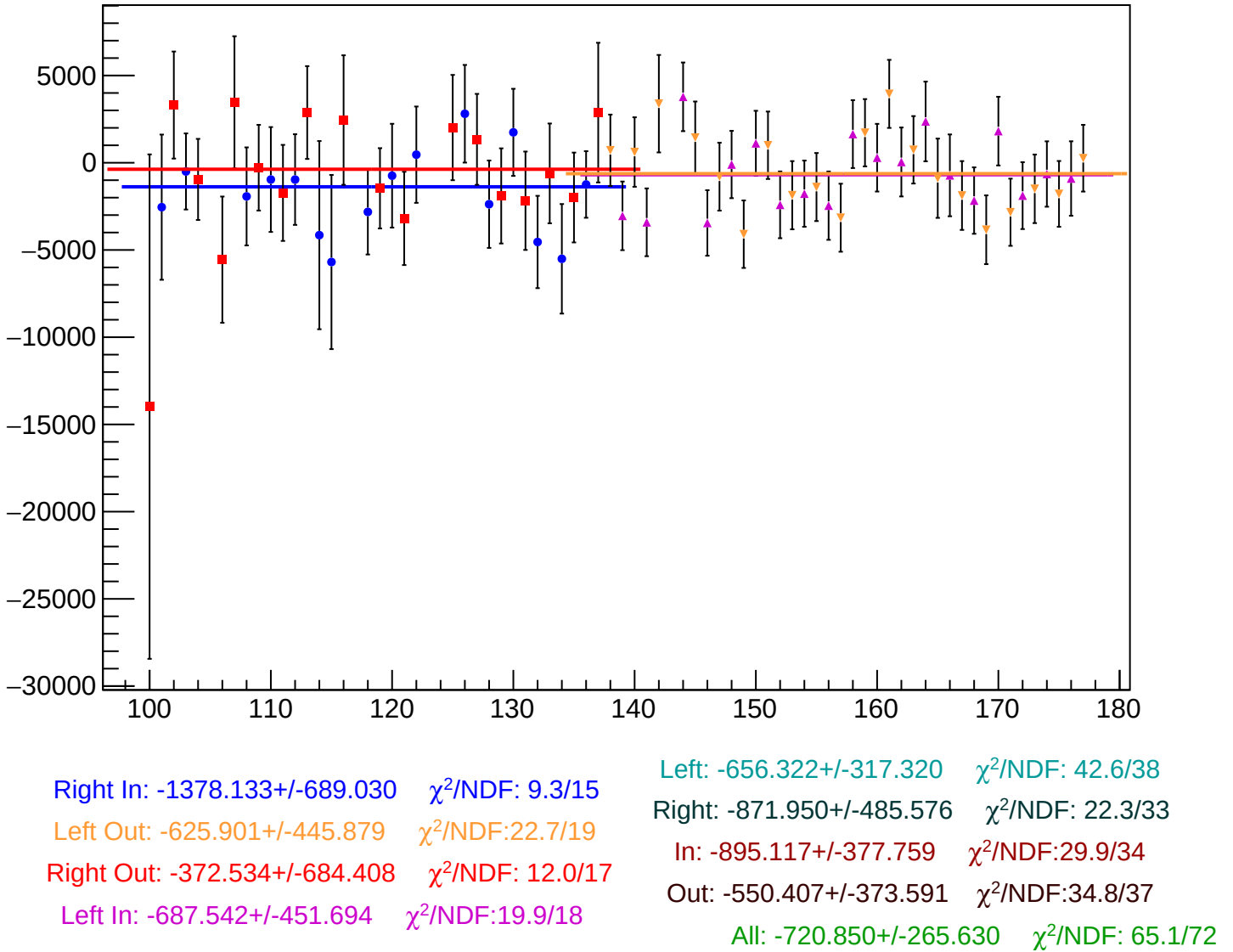
Left: 721.060+/-0.092 χ^2/NDF: 901649.4/38

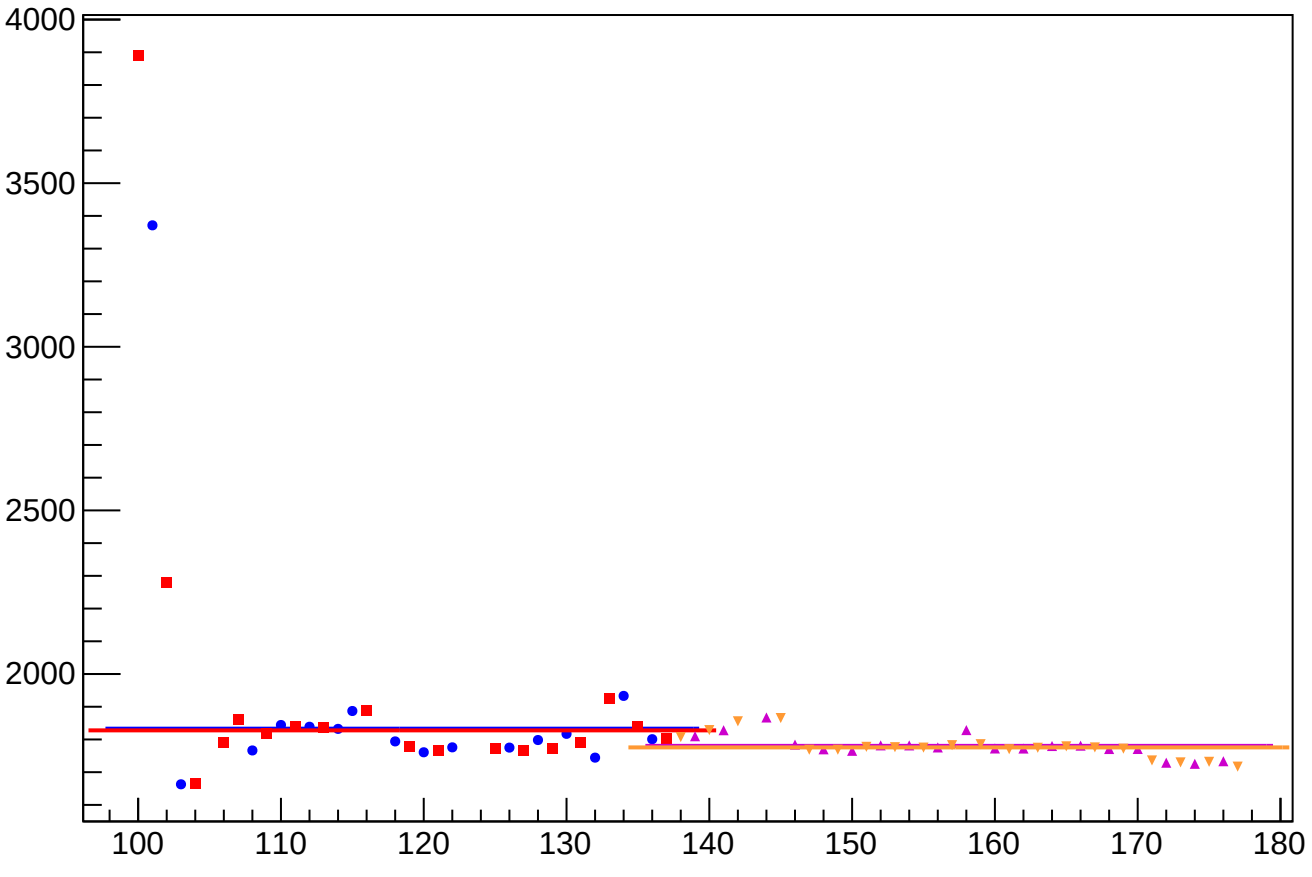
Right: 1006.170+/-0.208 χ^2/NDF: 5104800.3/33

In: 775.672+/-0.120 χ^2/NDF:3591947.0/34

Out: 760.010+/-0.118 χ^2/NDF:3980170.7/37

All: 767.670+/-0.084 χ^2/NDF: 7580798.8/72


cor_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
180
Right In: -1378.133+/-689.030 χ²/NDF: 9.3/15
Left Out: -625.901+/-445.879 χ²/NDF:22.7/19
Right Out: -372.534+/-684.408 χ²/NDF: 12.0/17
Left In: -687.542+/-451.694 χ²/NDF:19.9/18
Left: -656.322+/-317.320 χ²/NDF: 42.6/38
Right: -871.950+/-485.576 χ²/NDF: 22.3/33
In: -895.117+/-377.759 χ²/NDF:29.9/34
Out: -550.407+/-373.591 χ²/NDF:34.8/37
All: -720.850+/-265.630 χ²/NDF: 65.1/72



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1775.712+/-0.315 χ^2/NDF:12348.8/19

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1780.408+/-0.319 χ^2/NDF:11267.0/18

Left: 1778.030+/-0.224 χ^2/NDF: 23725.3/38

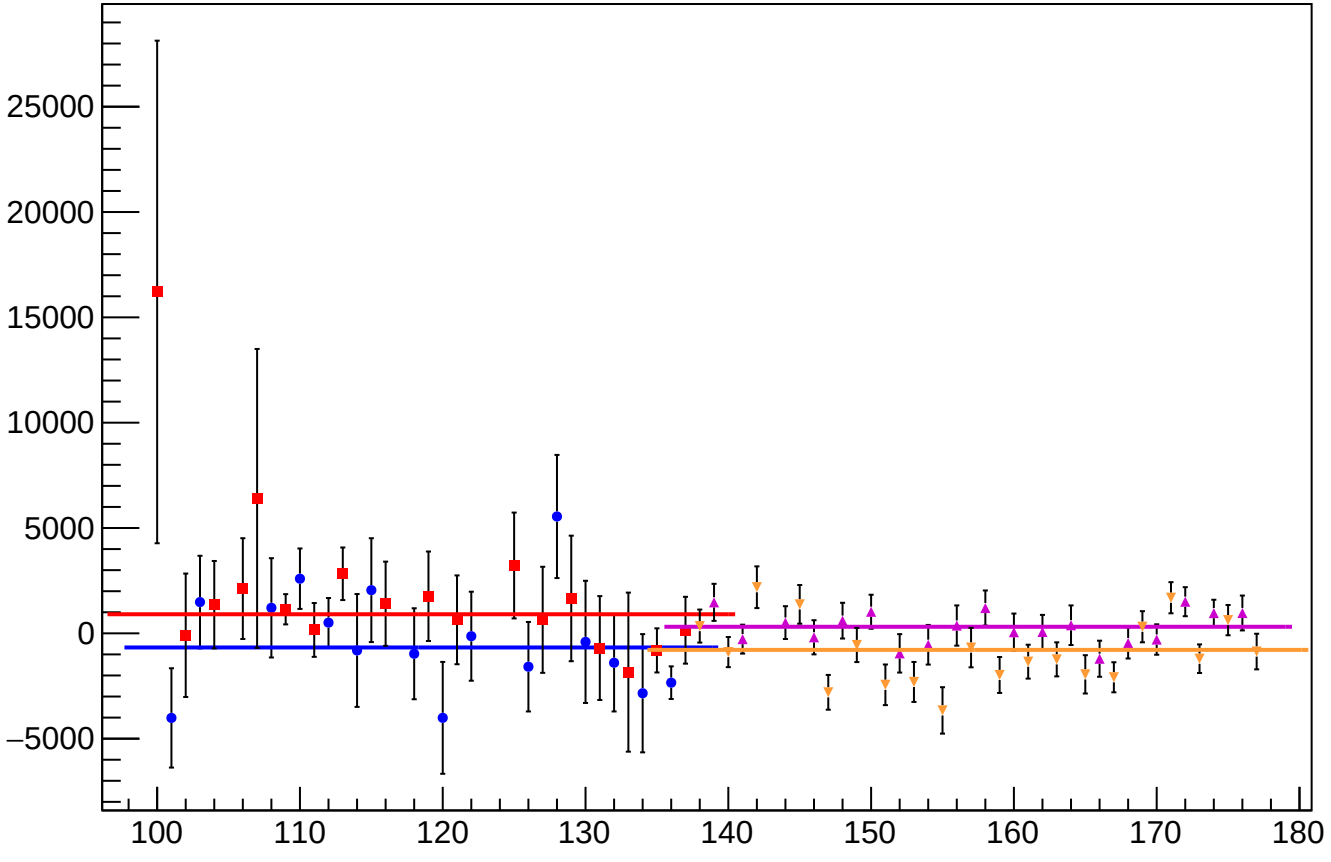
Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1796.200+/-0.267 χ^2/NDF:314841.3/34

Out: 1791.228+/-0.264 χ^2/NDF:122747.1/37

All: 1793.686+/-0.188 χ^2/NDF: 437763.6/72

asym_us_dd_atlr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -784.505+/-183.442 χ^2/NDF:60.4/19

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 311.248+/-184.062 χ^2/NDF:17.5/18

Left: -238.477+/-129.932 χ^2/NDF: 95.7/38

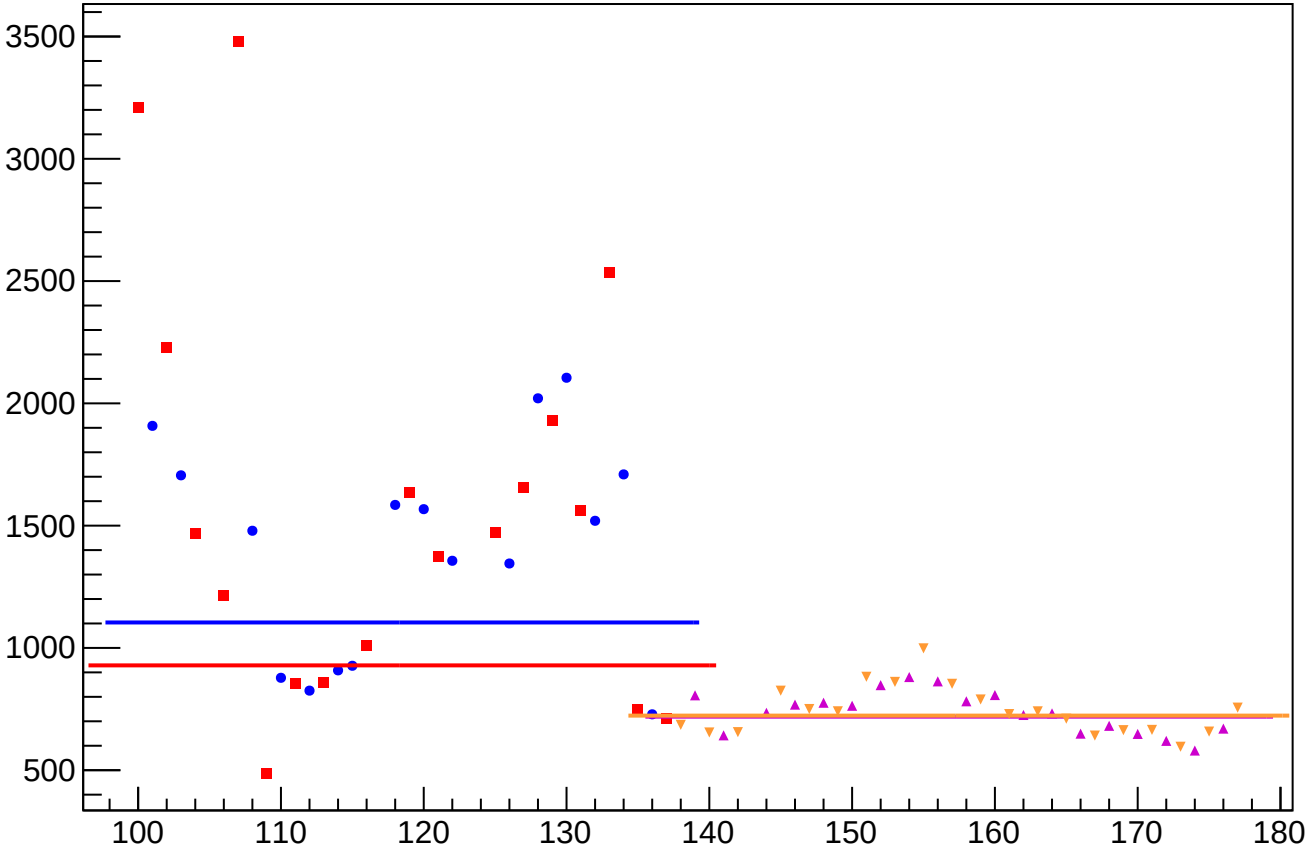
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: 166.436+/-169.946 χ^2/NDF:44.5/34

Out: -484.378+/-166.362 χ^2/NDF:86.0/37

All: -165.907+/-118.882 χ^2/NDF: 138.0/72

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: 723.198+/-0.130 χ^2/NDF:474886.3/19

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 718.917+/-0.130 χ^2/NDF:426187.1/18

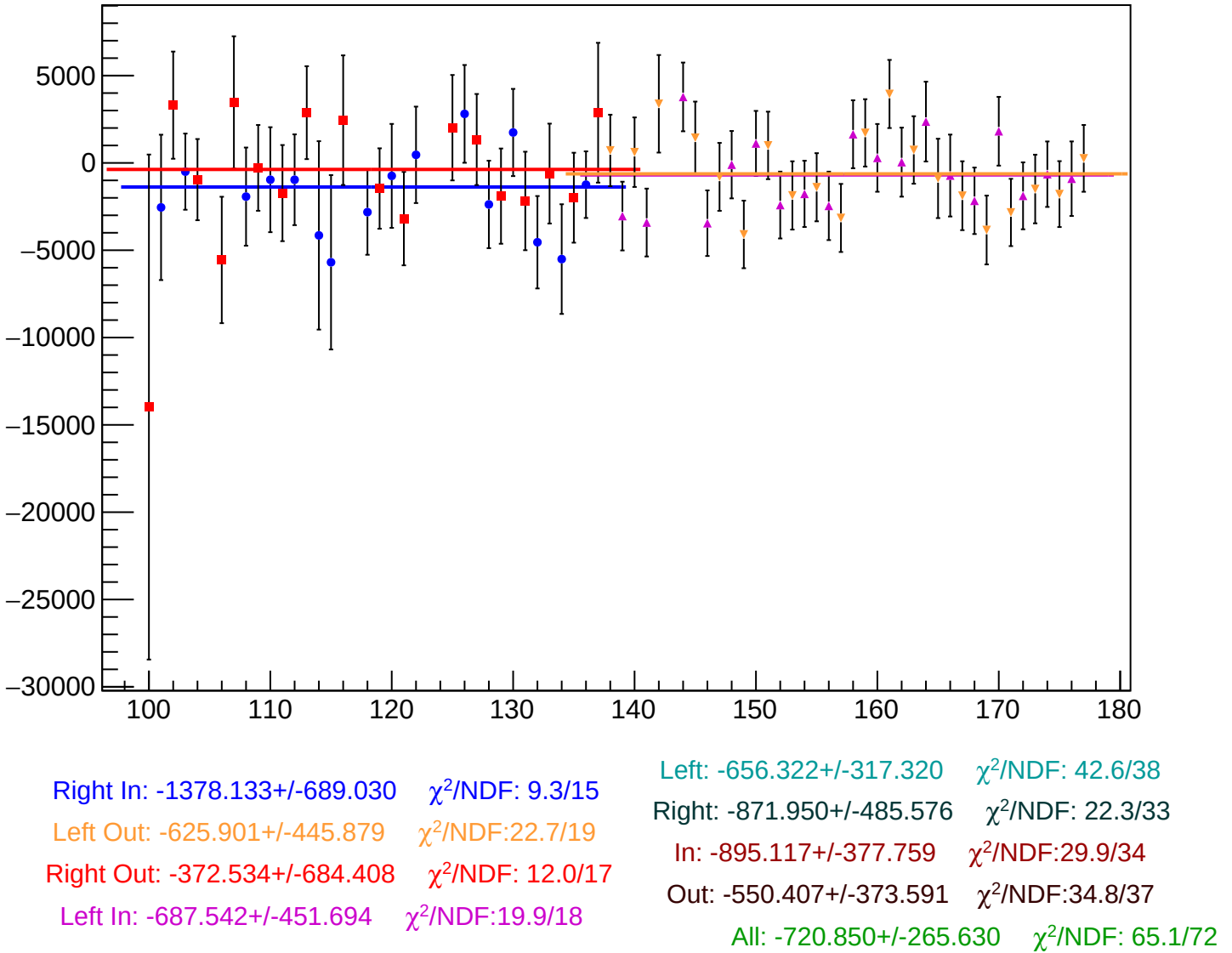
Left: 721.064+/-0.092 χ^2/NDF: 901616.2/38

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 775.731+/-0.120 χ^2/NDF:3612571.5/34

Out: 759.672+/-0.118 χ^2/NDF:3974602.8/37

All: 767.530+/-0.084 χ^2/NDF: 7596293.8/72



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -625.901+/-445.879 χ^2/NDF:22.7/19

Right Out: -372.534+/-684.408 χ^2/NDF: 12.0/17

Left In: -687.542+/-451.694 χ^2/NDF:19.9/18

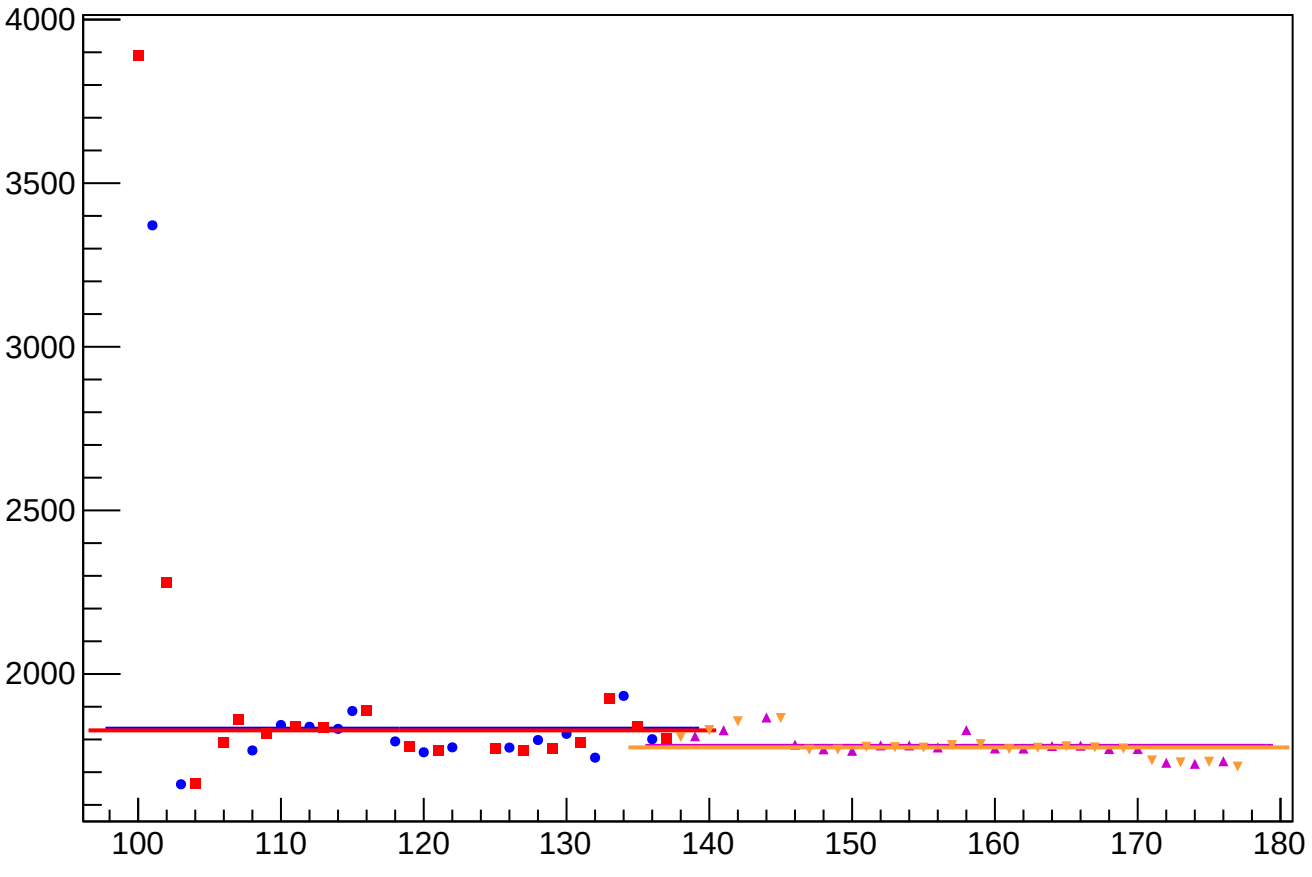
Left: -656.322+/-317.320 χ^2/NDF: 42.6/38

Right: -871.950+/-485.576 χ^2/NDF: 22.3/33

In: -895.117+/-377.759 χ^2/NDF:29.9/34

Out: -550.407+/-373.591 χ^2/NDF:34.8/37

All: -720.850+/-265.630 χ^2/NDF: 65.1/72



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1775.712+/-0.315 χ^2/NDF:12348.8/19

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1780.408+/-0.319 χ^2/NDF:11267.0/18

Left: 1778.030+/-0.224 χ^2/NDF: 23725.3/38

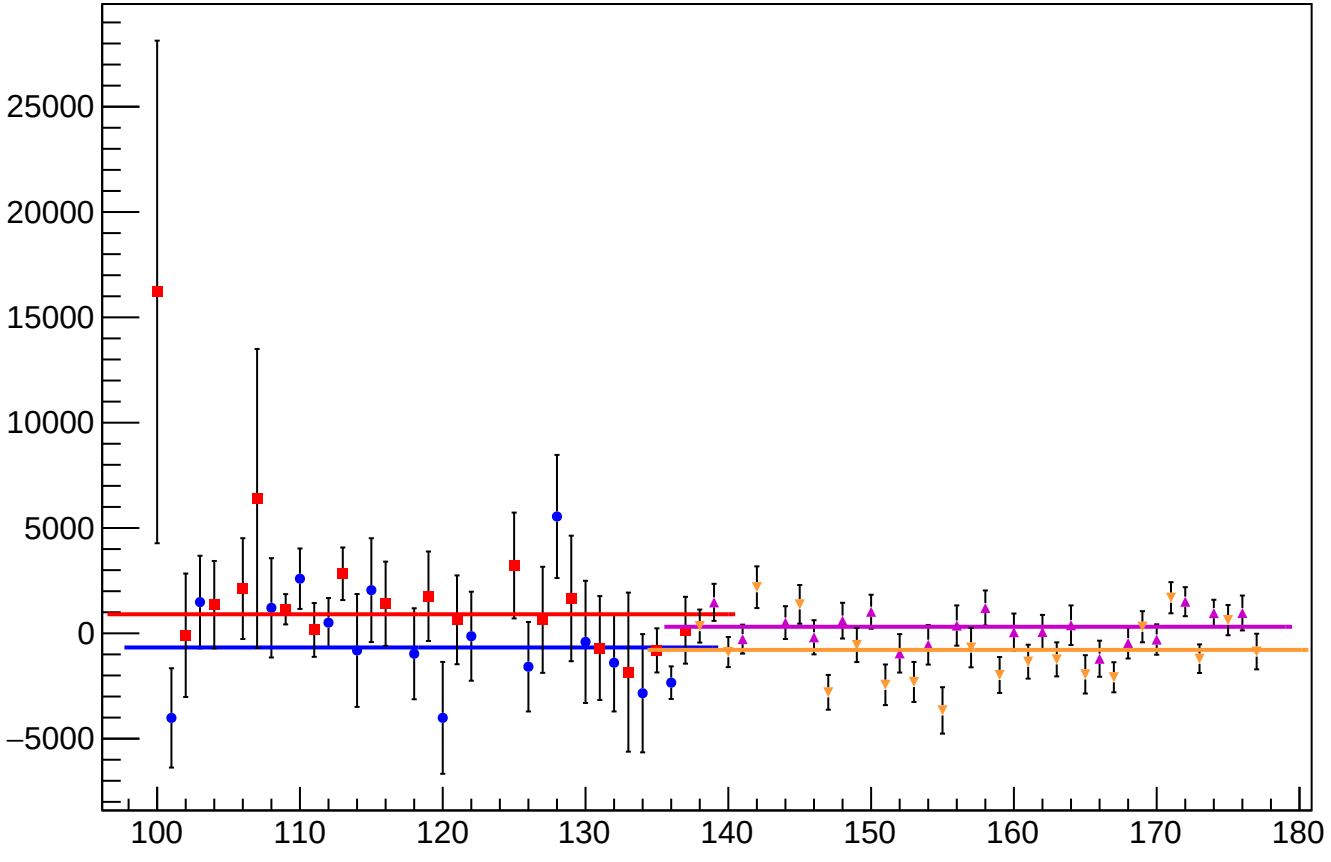
Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1796.200+/-0.267 χ^2/NDF:314841.3/34

Out: 1791.228+/-0.264 χ^2/NDF:122747.1/37

All: 1793.686+/-0.188 χ^2/NDF: 437763.6/72

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: -784.505+/-183.442 χ^2/NDF:60.4/19

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 311.248+/-184.062 χ^2/NDF:17.5/18

Left: -238.477+/-129.932 χ^2/NDF: 95.7/38

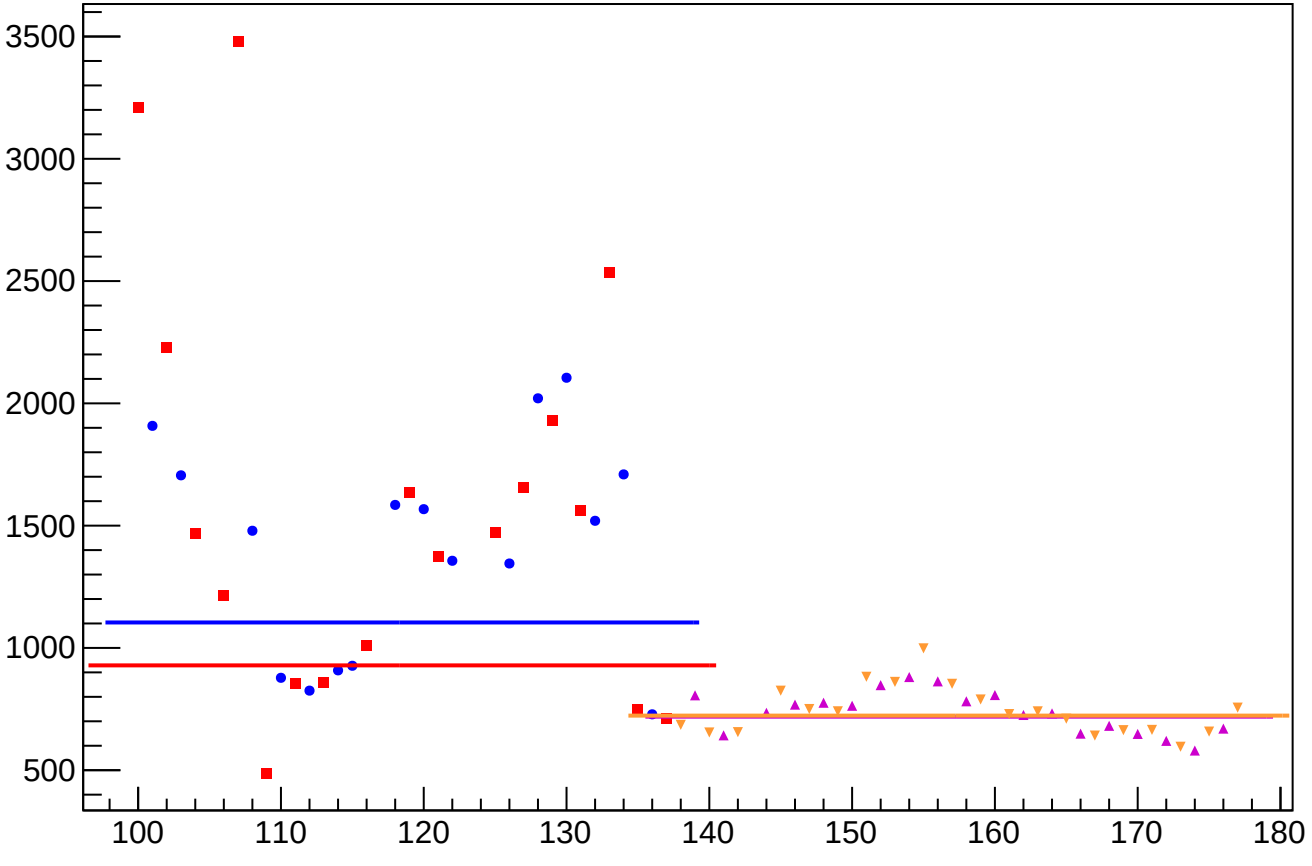
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: 166.436+/-169.946 χ^2/NDF:44.5/34

Out: -484.378+/-166.362 χ^2/NDF:86.0/37

All: -165.907+/-118.882 χ^2/NDF: 138.0/72

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: 723.198+/-0.130 χ^2/NDF:474886.3/19

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 718.917+/-0.130 χ^2/NDF:426187.1/18

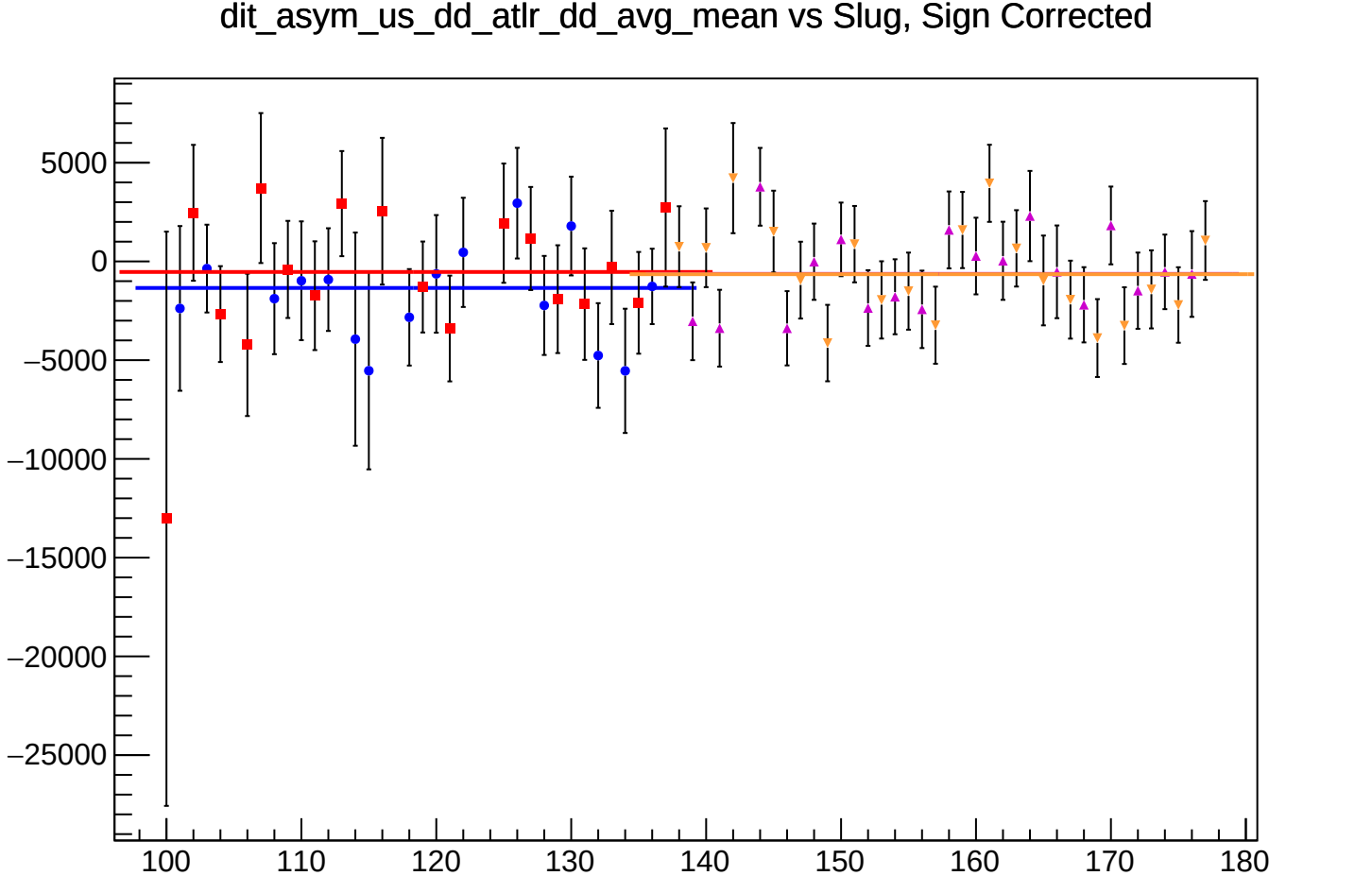
Left: 721.064+/-0.092 χ^2/NDF: 901616.2/38

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 775.731+/-0.120 χ^2/NDF:3612571.5/34

Out: 759.672+/-0.118 χ^2/NDF:3974602.8/37

All: 767.530+/-0.084 χ^2/NDF: 7596293.8/72



Right In: -1343.952+/-690.940 χ^2/NDF: 9.6/15

Left Out: -647.581+/-447.729 χ^2/NDF:25.2/19

Right Out: -534.194+/-690.970 χ^2/NDF: 11.1/17

Left In: -632.599+/-452.651 χ^2/NDF:19.4/18

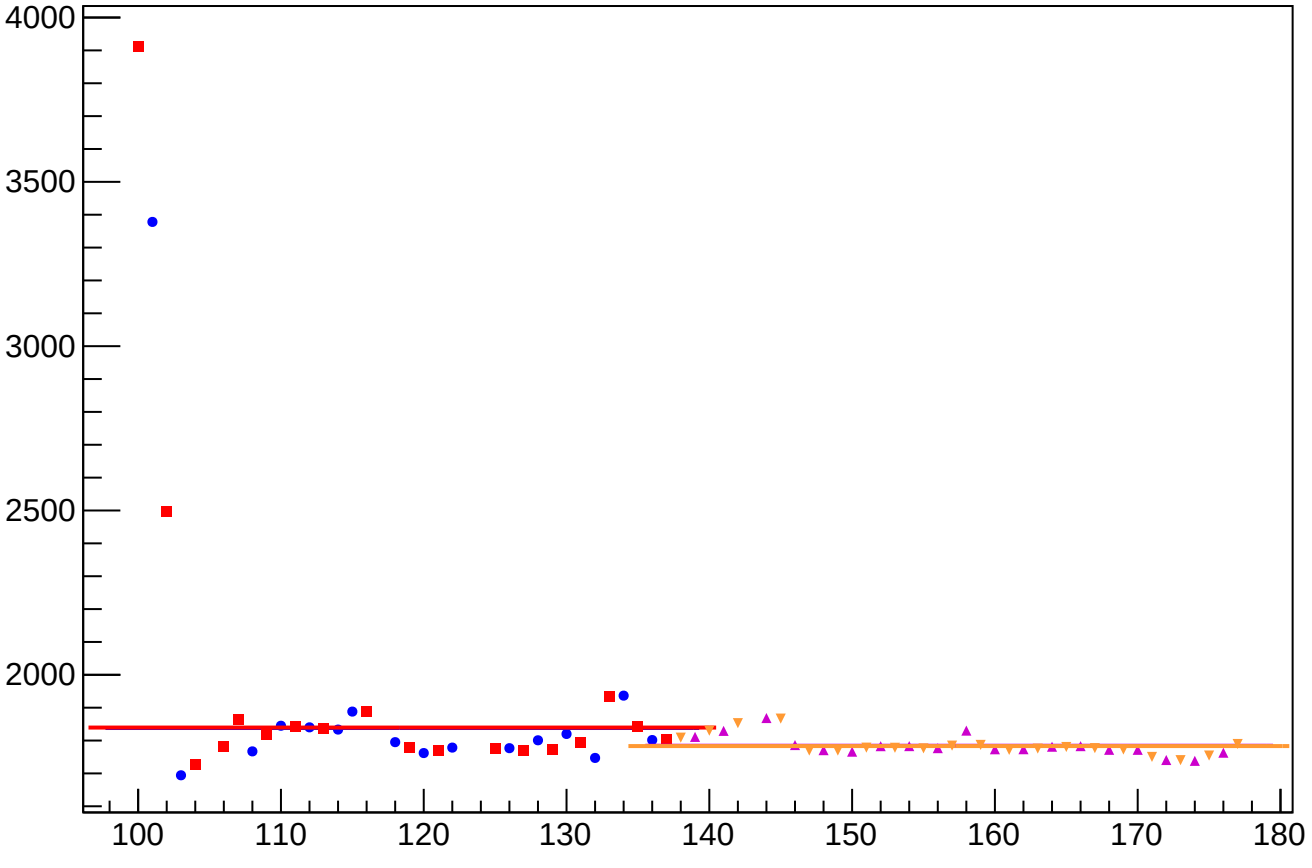
Left: -640.172+/-318.318 χ^2/NDF: 44.5/38

Right: -939.091+/-488.579 χ^2/NDF: 21.4/33

In: -846.220+/-378.634 χ^2/NDF:29.7/34

Out: -614.052+/-375.743 χ^2/NDF:36.3/37

All: -729.246+/-266.707 χ^2/NDF: 66.2/72



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1783.175+/-0.317 χ^2/NDF:8349.8/19

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1784.237+/-0.320 χ^2/NDF:9224.1/18

Left: 1783.700+/-0.225 χ^2/NDF: 17579.5/38

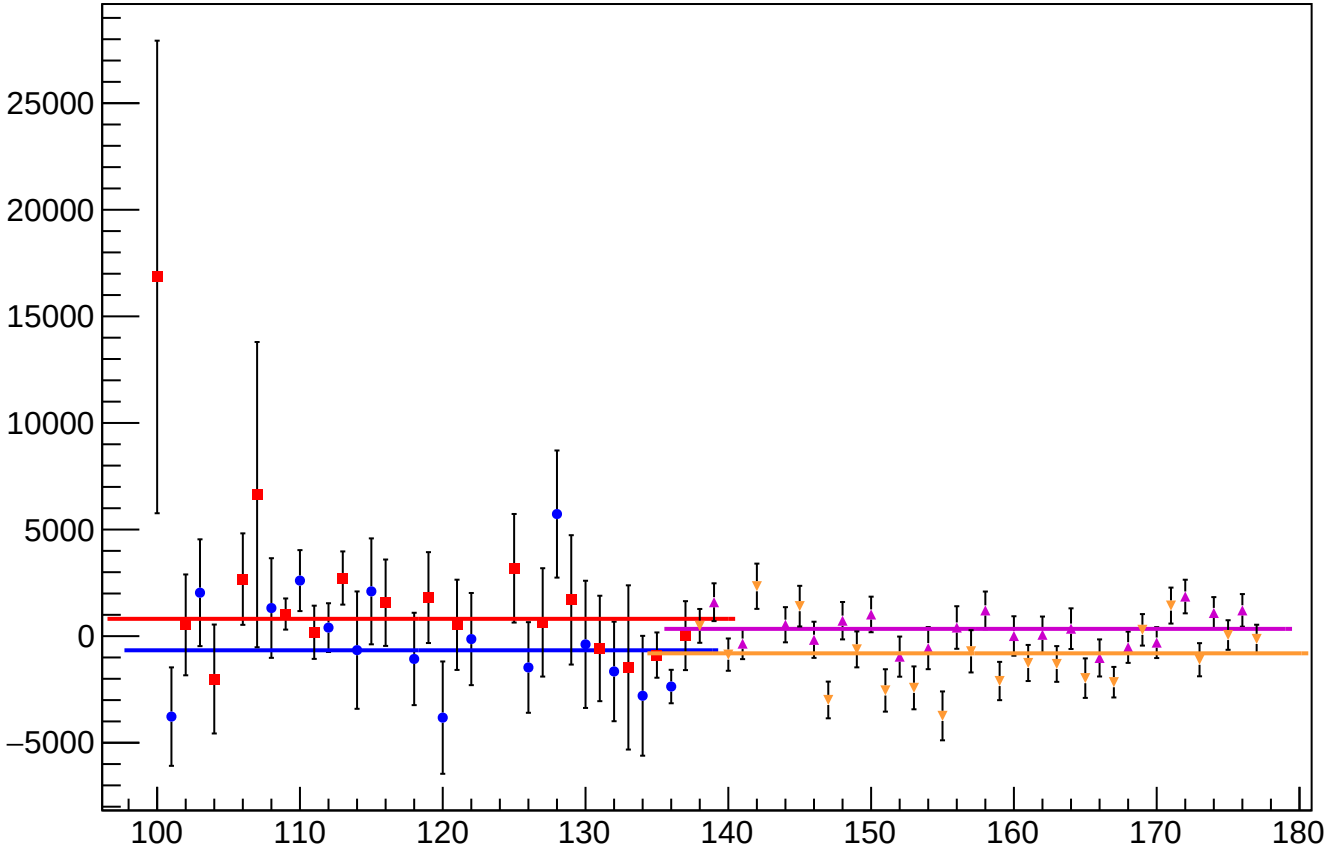
Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1800.430+/-0.268 χ^2/NDF:309731.1/34

Out: 1799.836+/-0.266 χ^2/NDF:145968.8/37

All: 1800.131+/-0.189 χ^2/NDF: 455702.5/72

asym_us_dd_atlr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -805.831+/-188.157 χ^2/NDF:55.4/19

Right Out: 812.187+/-397.187 χ^2/NDF: 12.2/17

Left In: 340.990+/-192.315 χ^2/NDF:18.7/18

Left: -244.953+/-134.493 χ^2/NDF: 92.3/38

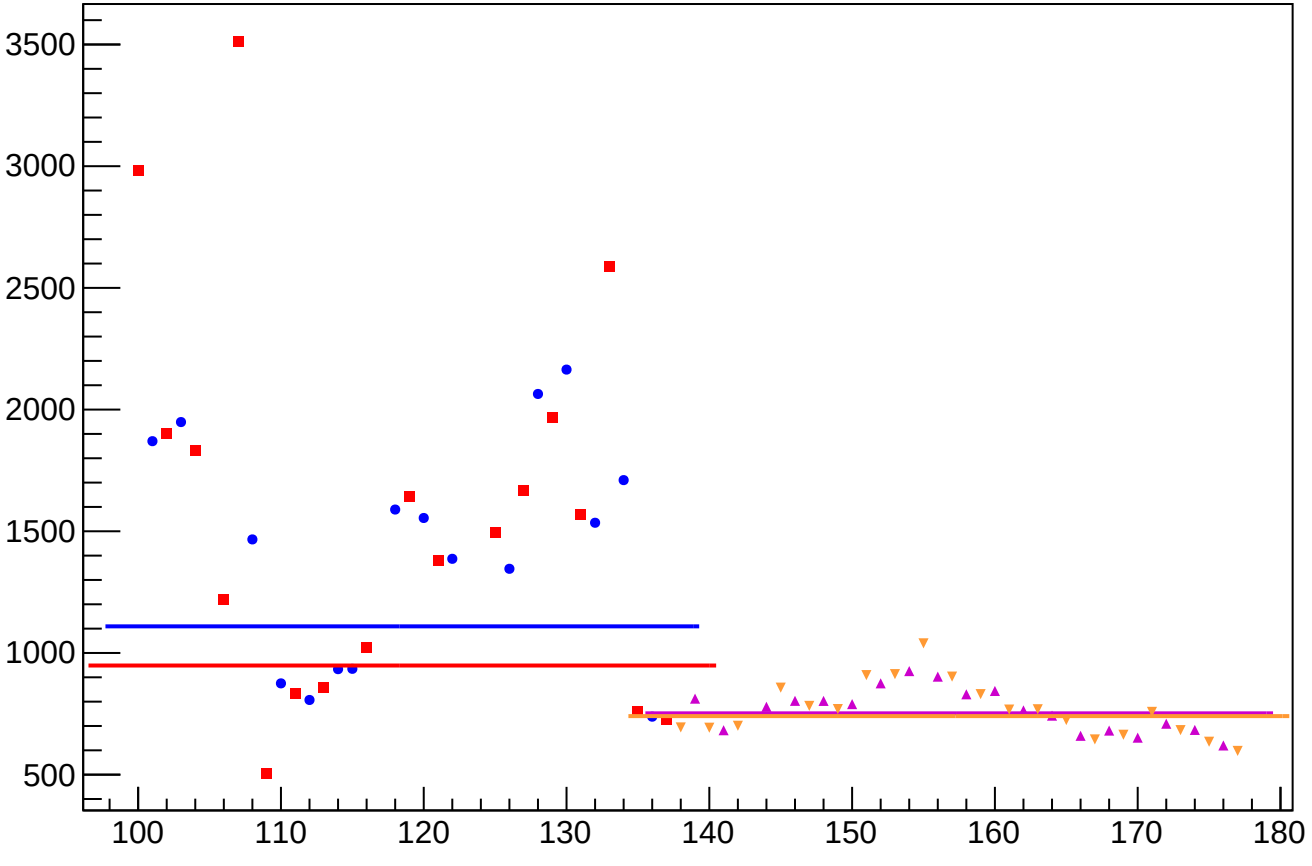
Right: 159.335+/-296.587 χ^2/NDF: 41.1/33

In: 183.448+/-176.591 χ^2/NDF:45.8/34

Out: -509.276+/-170.042 χ^2/NDF:81.2/37

All: -175.998+/-122.488 χ^2/NDF: 135.0/72

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1109.362+/-0.315 χ^2/NDF: 1973363.9/15

Left Out: 740.576+/-0.133 χ^2/NDF:592825.0/19

Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 751.944+/-0.136 χ^2/NDF:386794.2/18

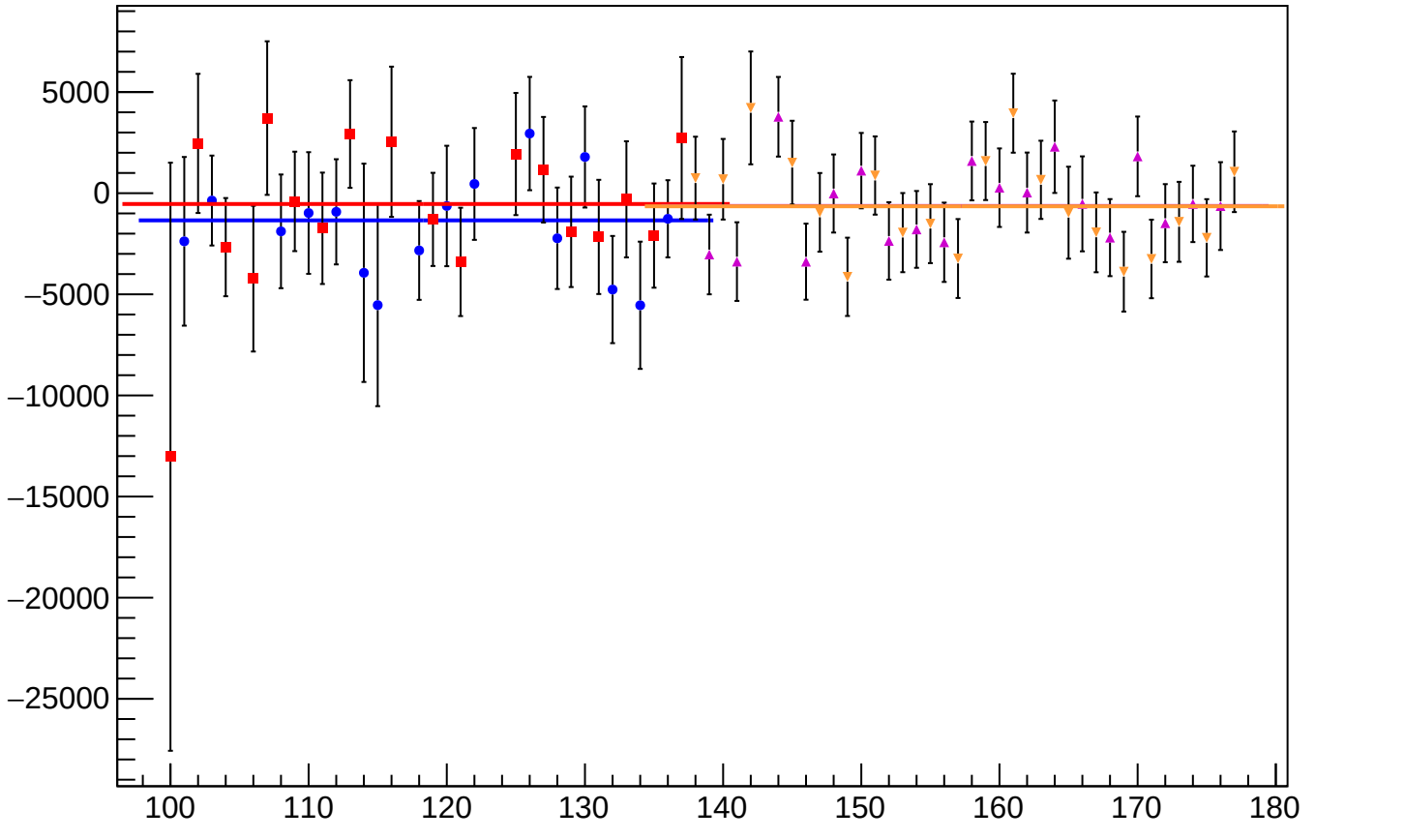
Left: 746.136+/-0.095 χ^2/NDF: 983189.4/38

Right: 1019.632+/-0.210 χ^2/NDF: 5172280.0/33

In: 808.001+/-0.125 χ^2/NDF:3443615.6/34

Out: 778.674+/-0.120 χ^2/NDF:4093861.5/37

All: 792.783+/-0.087 χ^2/NDF: 7566099.8/72



Right In: -1343.955+/-690.940 χ^2/NDF: 9.6/15

Left Out: -647.580+/-447.729 χ^2/NDF:25.2/19

Right Out: -534.199+/-690.970 χ^2/NDF: 11.1/17

Left In: -632.599+/-452.651 χ^2/NDF:19.4/18

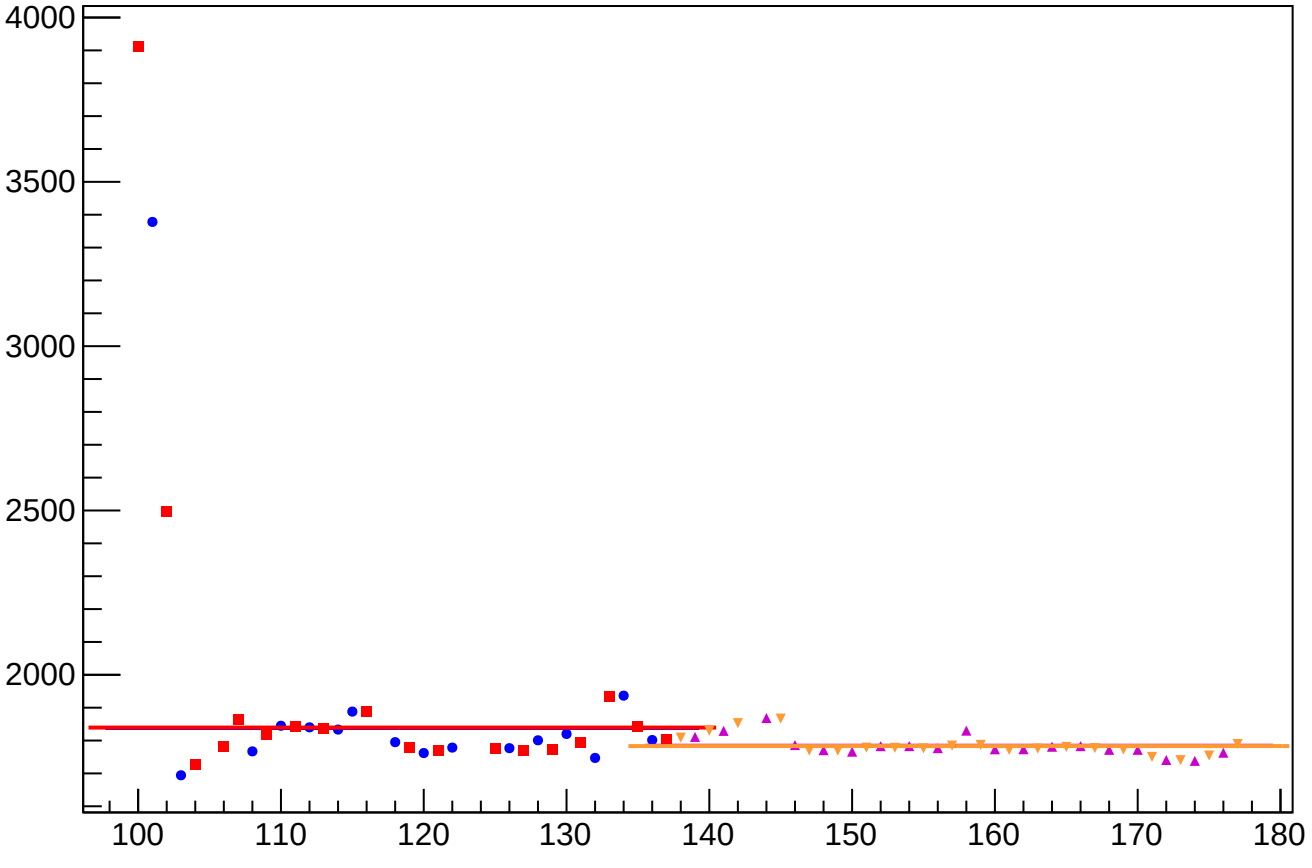
Left: -640.172+/-318.318 χ^2/NDF: 44.5/38

Right: -939.094+/-488.579 χ^2/NDF: 21.4/33

In: -846.220+/-378.634 χ^2/NDF:29.7/34

Out: -614.052+/-375.743 χ^2/NDF:36.3/37

All: -729.247+/-266.707 χ^2/NDF: 66.2/72



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1783.175+/-0.317 χ^2/NDF:8349.9/19

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1784.237+/-0.320 χ^2/NDF:9224.1/18

Left: 1783.700+/-0.225 χ^2/NDF: 17579.5/38

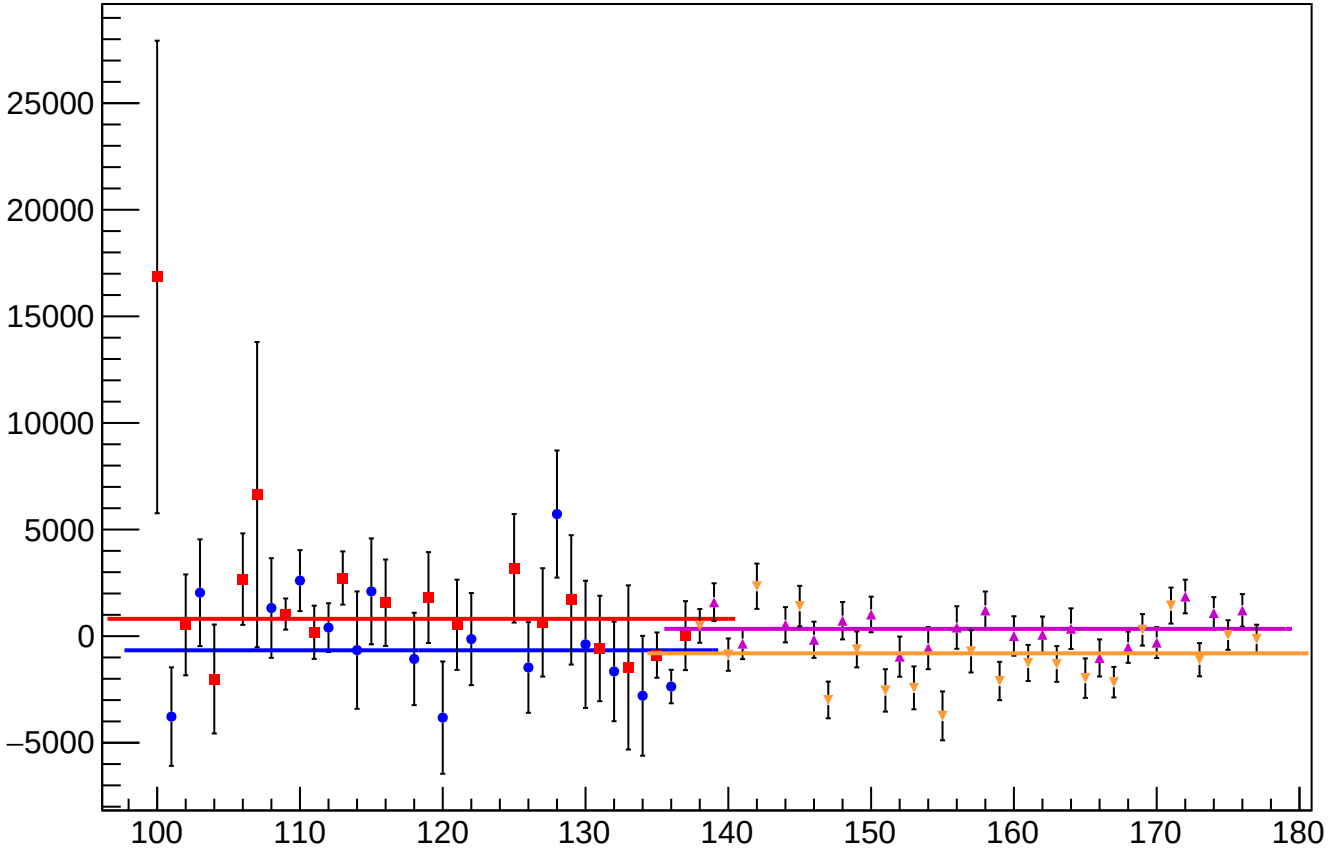
Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1800.430+/-0.268 χ^2/NDF:309731.1/34

Out: 1799.836+/-0.266 χ^2/NDF:145968.9/37

All: 1800.131+/-0.189 χ^2/NDF: 455702.6/72

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: -805.833+/-188.157 χ^2/NDF:55.4/19

Right Out: 812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: 340.988+/-192.315 χ^2/NDF:18.7/18

Left: -244.955+/-134.493 χ^2/NDF: 92.3/38

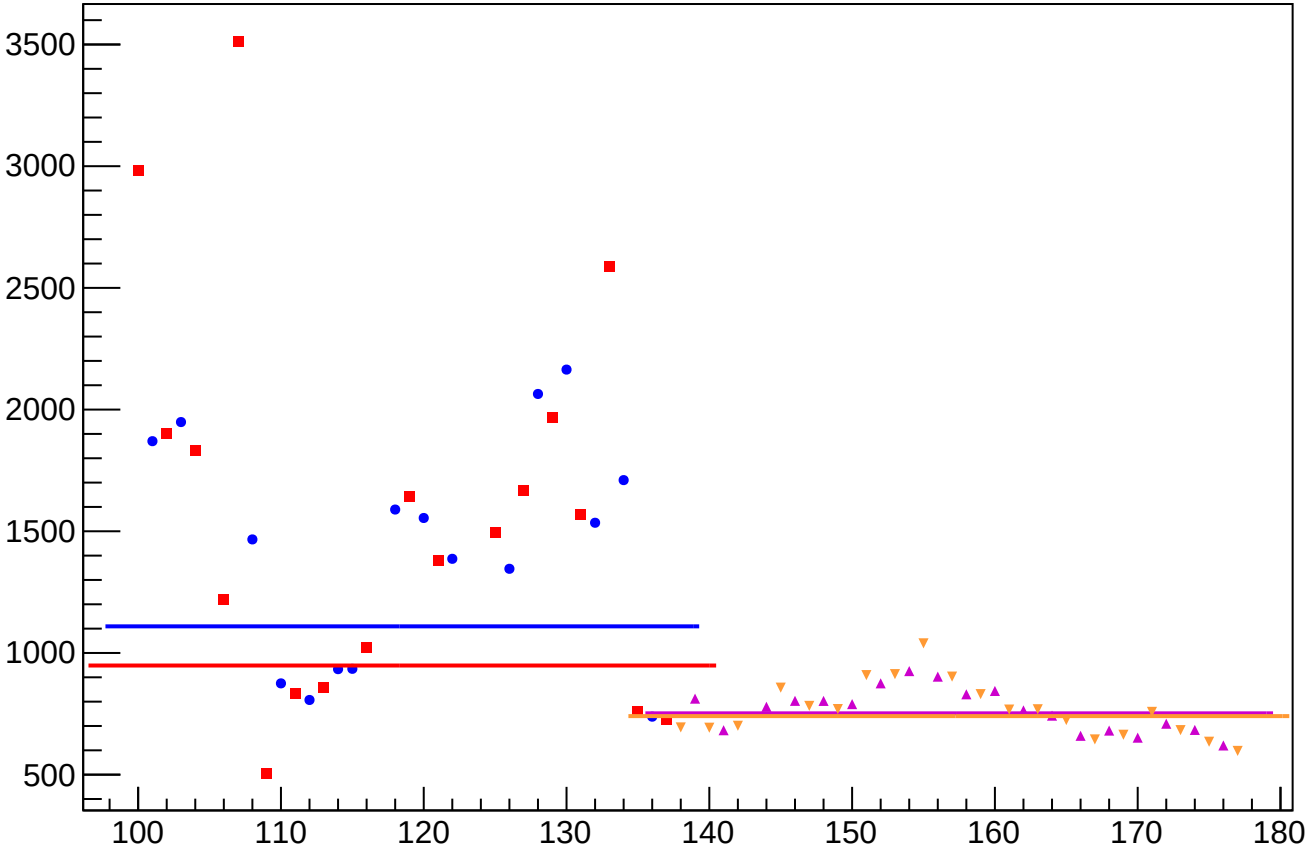
Right: 159.344+/-296.588 χ^2/NDF: 41.1/33

In: 183.448+/-176.591 χ^2/NDF:45.8/34

Out: -509.277+/-170.042 χ^2/NDF:81.2/37

All: -175.998+/-122.488 χ^2/NDF: 135.0/72

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: 740.576+/-0.133 χ^2/NDF:592818.7/19

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

Left In: 751.943+/-0.136 χ^2/NDF:386801.9/18

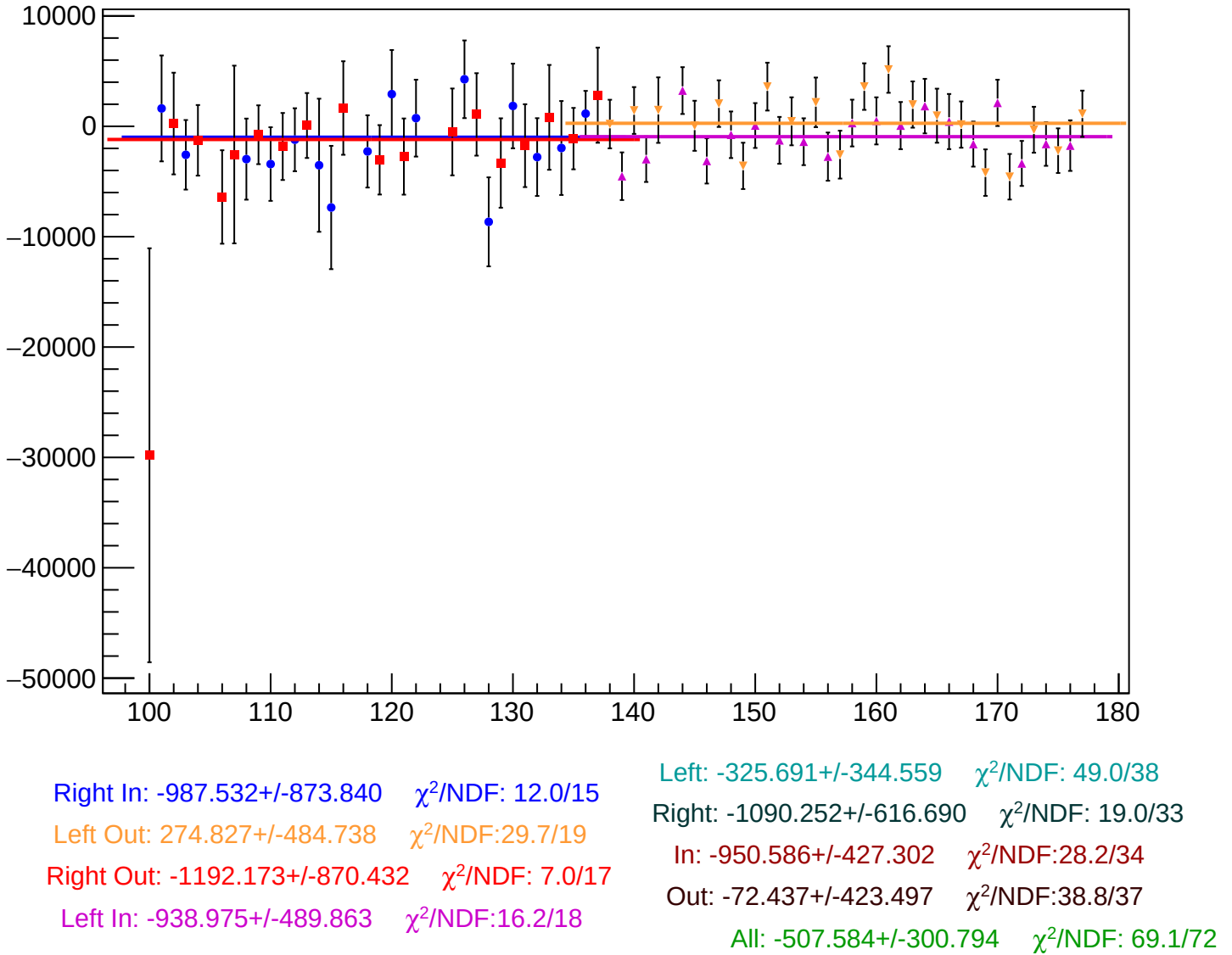
Left: 746.136+/-0.095 χ^2/NDF: 983190.4/38

Right: 1019.635+/-0.210 χ^2/NDF: 5172215.4/33

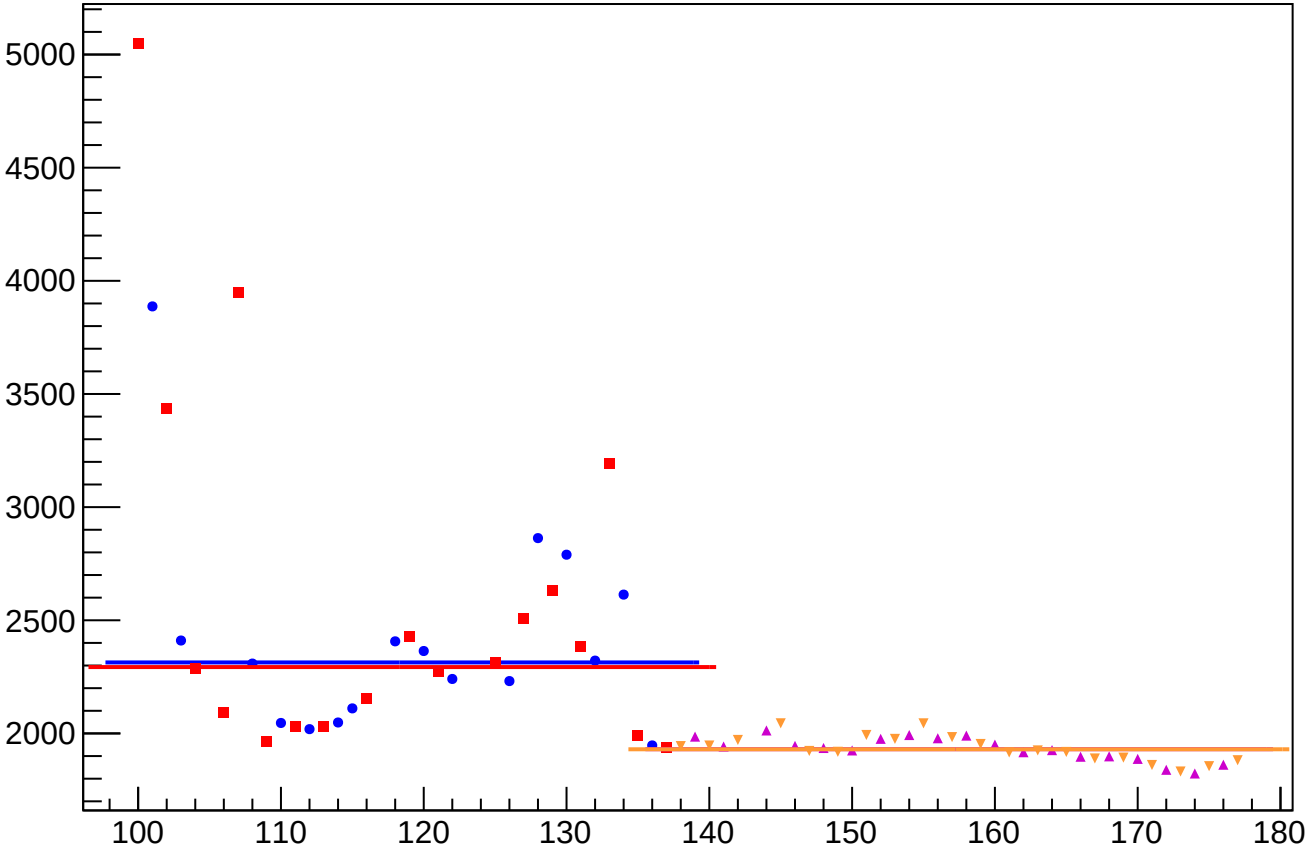
In: 808.001+/-0.125 χ^2/NDF:3443600.5/34

Out: 778.674+/-0.120 χ^2/NDF:4093836.1/37

All: 792.784+/-0.087 χ^2/NDF: 7566058.2/72


asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
Right In: -987.532+/-873.840 χ²/NDF: 12.0/15
Left Out: 274.827+/-484.738 χ²/NDF:29.7/19
Right Out: -1192.173+/-870.432 χ²/NDF: 7.0/17
Left In: -938.975+/-489.863 χ²/NDF:16.2/18
Left: -325.691+/-344.559 χ²/NDF: 49.0/38
Right: -1090.252+/-616.690 χ²/NDF: 19.0/33
In: -950.586+/-427.302 χ²/NDF:28.2/34
Out: -72.437+/-423.497 χ²/NDF:38.8/37
All: -507.584+/-300.794 χ²/NDF: 69.1/72

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: 1929.930+/-0.343 χ^2/NDF:27068.7/19

Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1930.380+/-0.346 χ^2/NDF:23398.6/18

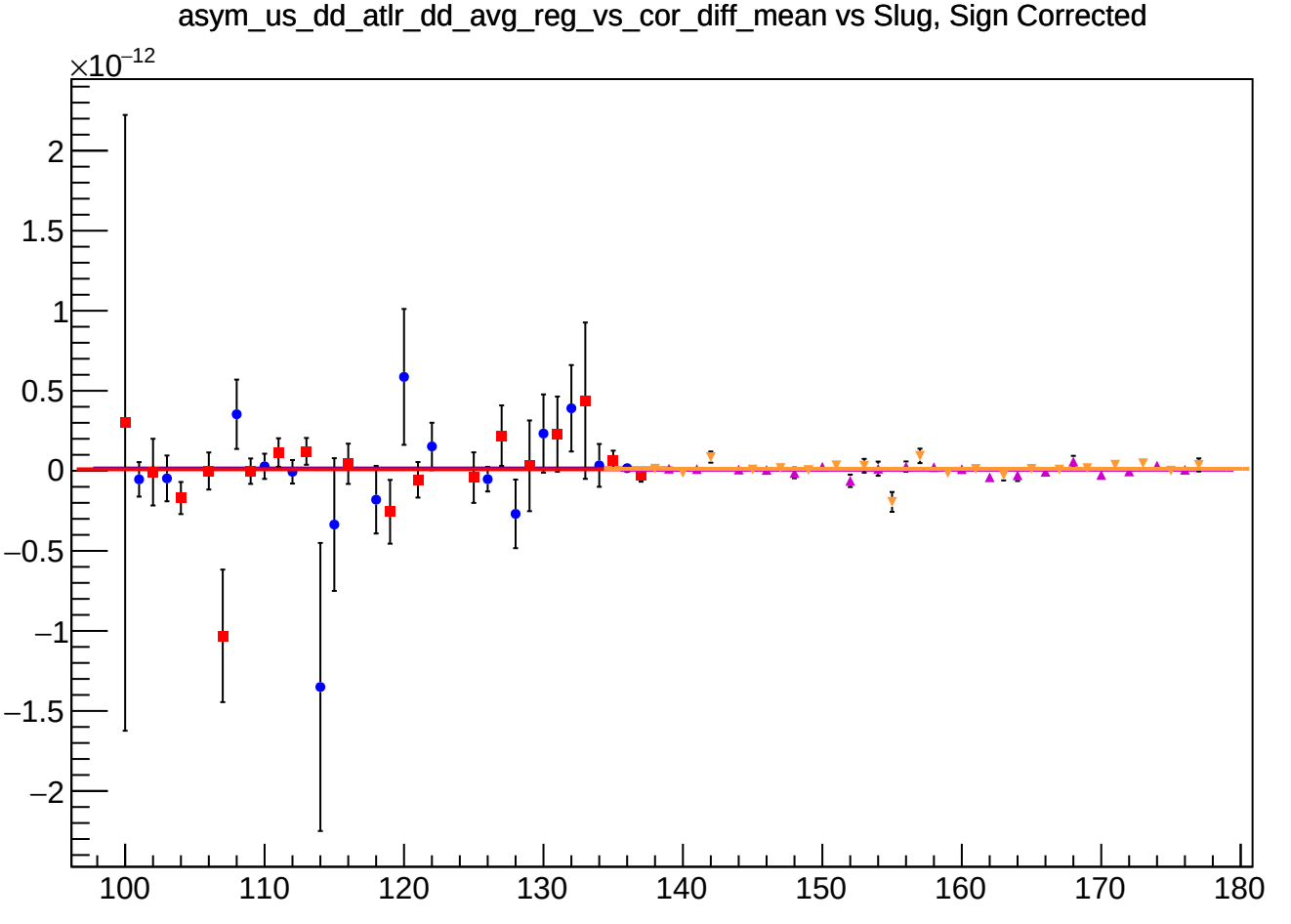
Left: 1930.153+/-0.244 χ^2/NDF: 50468.2/38

Right: 2303.467+/-0.436 χ^2/NDF: 856509.6/33

In: 2022.048+/-0.302 χ^2/NDF:719043.5/34

Out: 2015.941+/-0.299 χ^2/NDF:746273.8/37

All: 2018.967+/-0.213 χ^2/NDF: 1465523.5/72



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:29.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: 0.000+/-0.000 χ^2/NDF:14.7/18

Left: 0.000+/-0.000 χ^2/NDF: 44.5/38

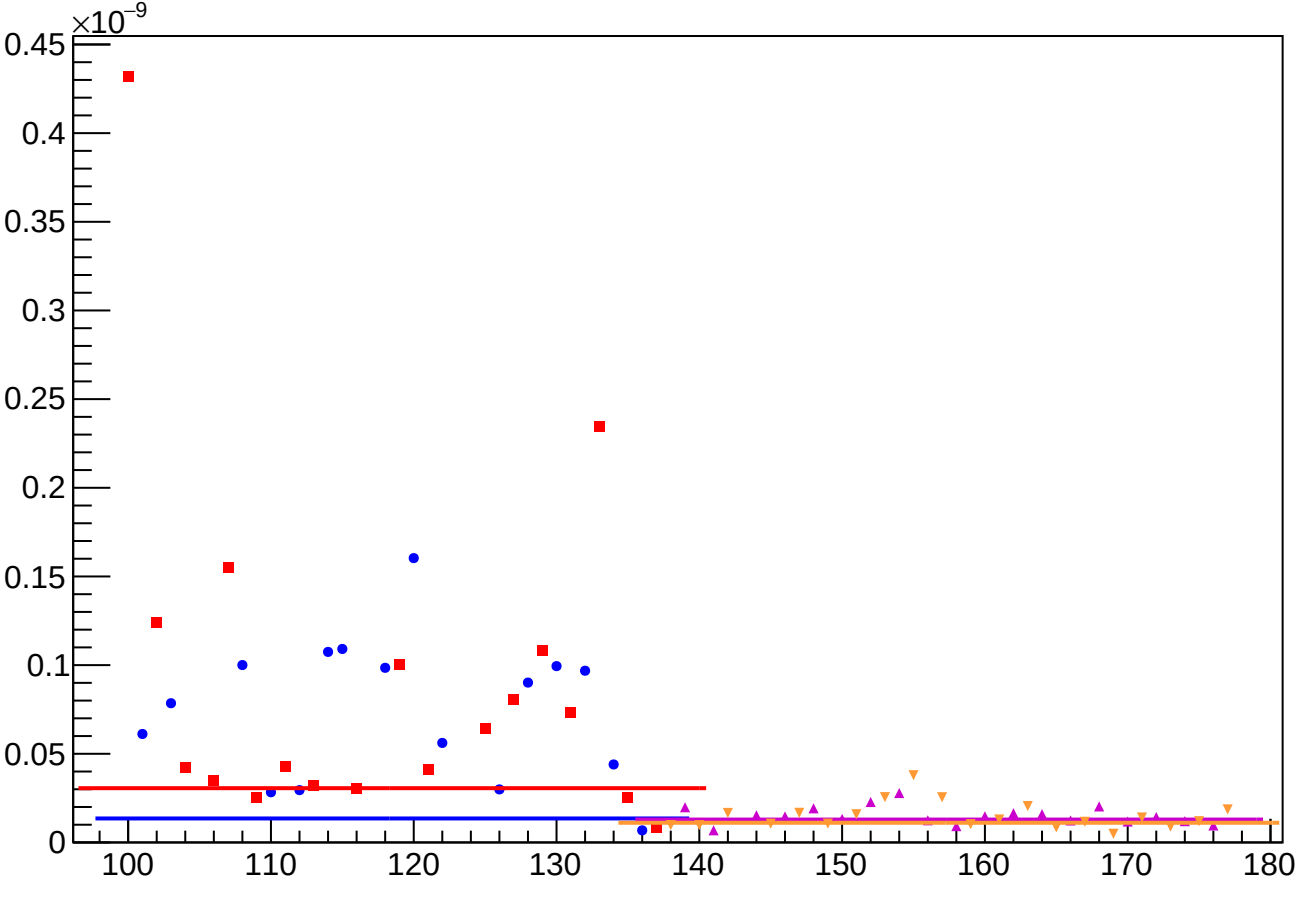
Right: 0.000+/-0.000 χ^2/NDF: 34.5/33

In: 0.000+/-0.000 χ^2/NDF:30.0/34

Out: 0.000+/-0.000 χ^2/NDF:48.8/37

All: 0.000+/-0.000 χ^2/NDF: 79.1/72

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:1797158.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1200784.4/18

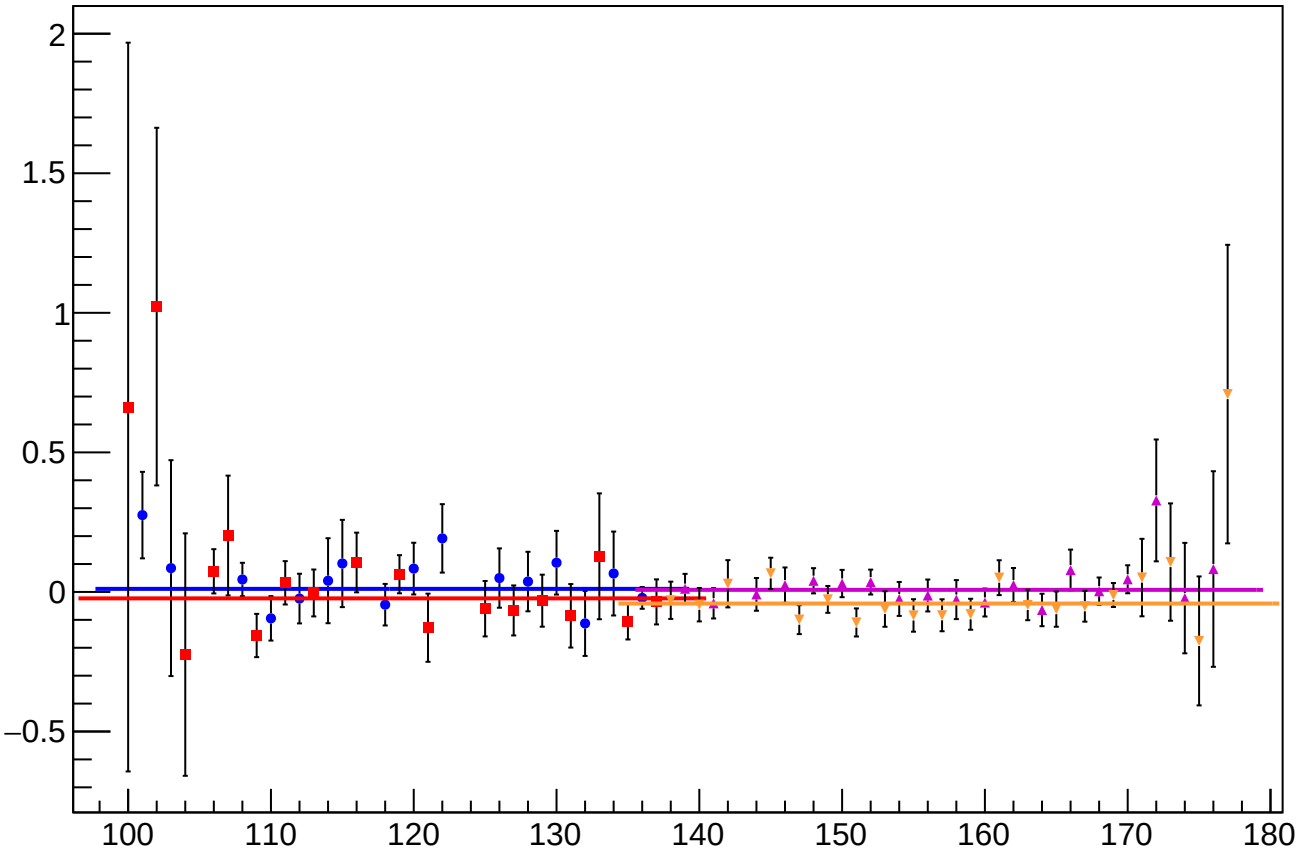
Left: 0.000+/-0.000 χ^2/NDF: 3105762.1/38

Right: 0.000+/-0.000 χ^2/NDF: 6517274.2/33

In: 0.000+/-0.000 χ^2/NDF:4620217.4/34

Out: 0.000+/-0.000 χ^2/NDF:5399767.6/37

All: 0.000+/-0.000 χ^2/NDF: 10059941.2/72



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:15.4/19

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.008+/-0.014 χ^2/NDF:8.9/18

Left: -0.016+/-0.010 χ^2/NDF: 30.6/38

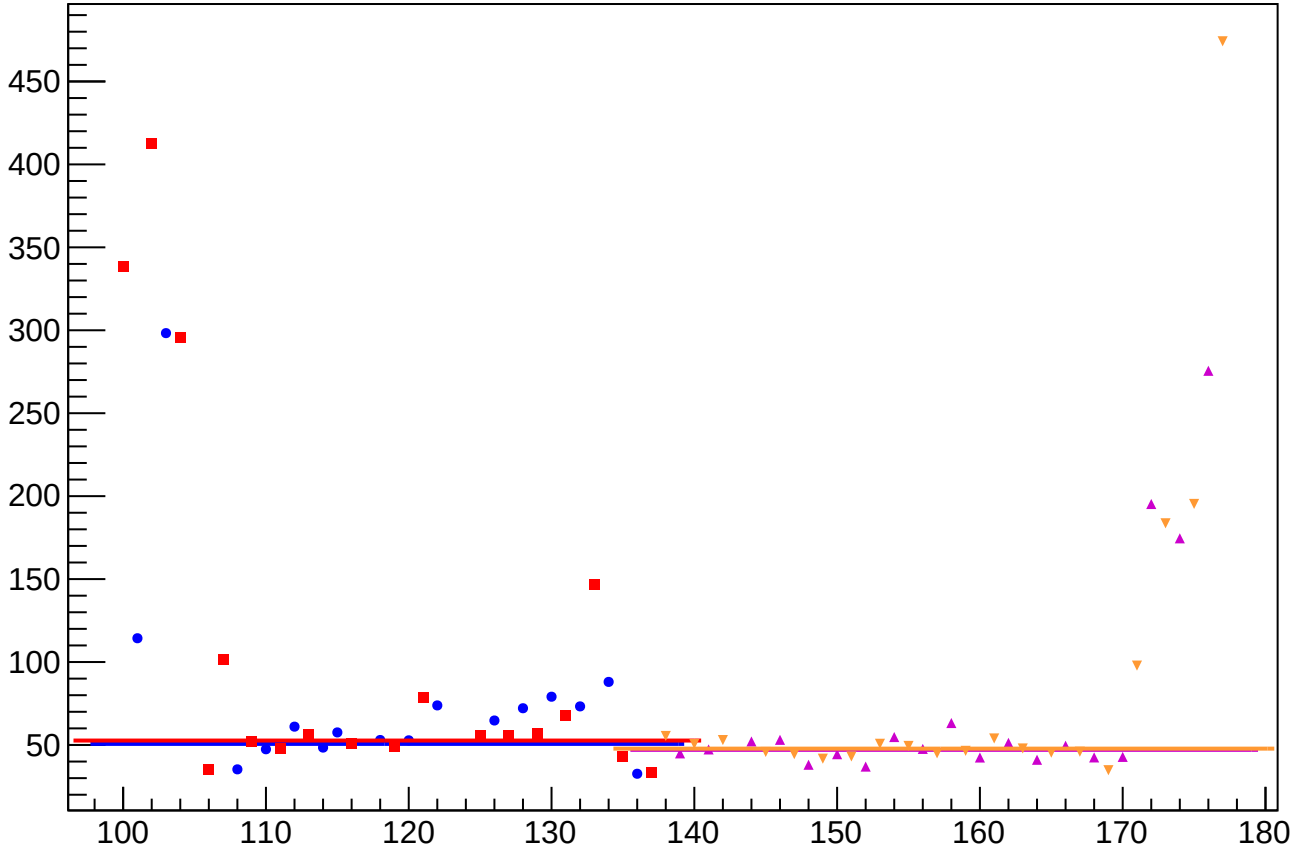
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.008+/-0.012 χ^2/NDF:20.7/34

Out: -0.037+/-0.012 χ^2/NDF:31.8/37

All: -0.013+/-0.008 χ^2/NDF: 59.8/72

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 47.794+/-0.010 χ^2/NDF:3500704.6/19

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 47.053+/-0.010 χ^2/NDF:3048256.8/18

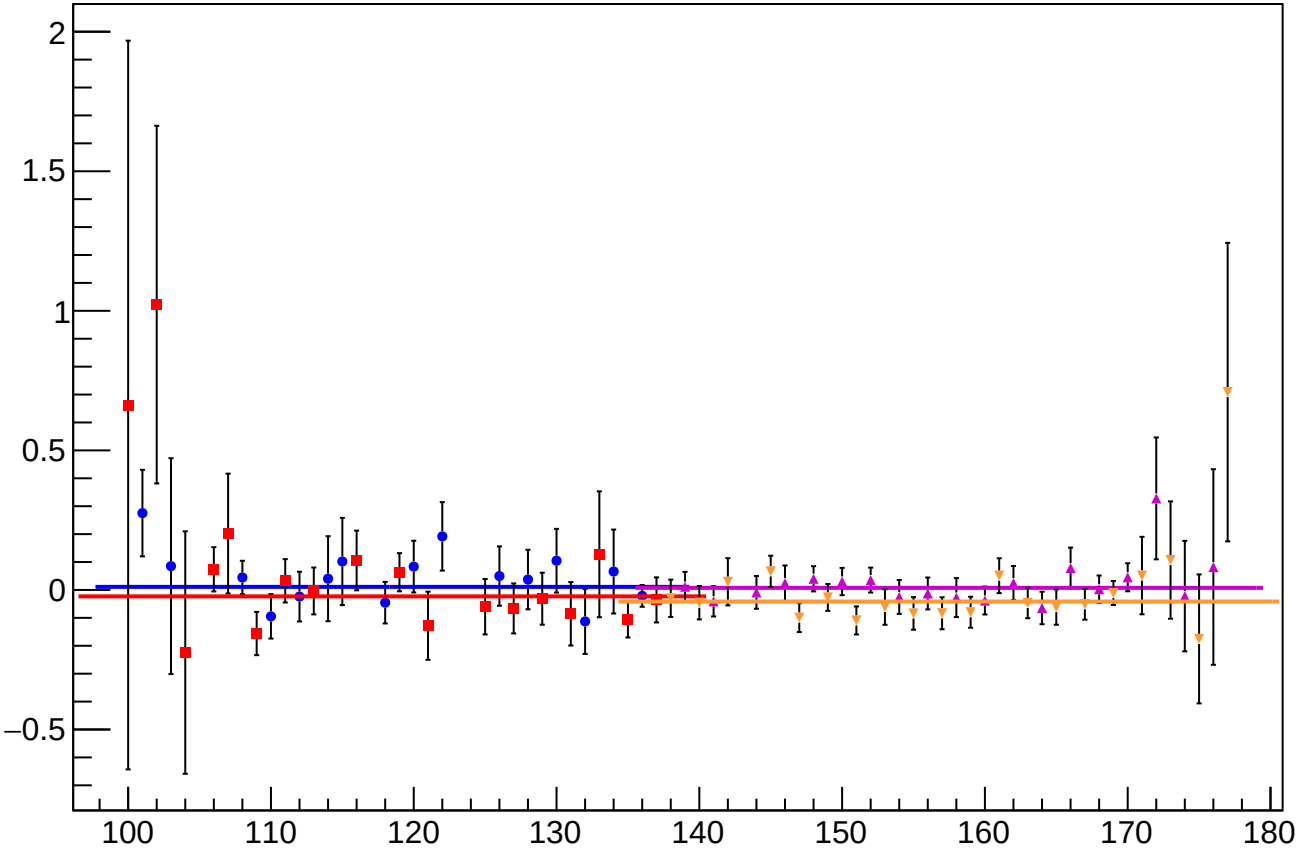
Left: 47.413+/-0.007 χ^2/NDF: 6551859.5/38

Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 48.050+/-0.008 χ^2/NDF:5353674.3/34

Out: 49.094+/-0.008 χ^2/NDF:5777801.8/37

All: 48.554+/-0.006 χ^2/NDF: 11139399.3/72



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:15.4/19

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.008+/-0.014 χ^2/NDF:8.9/18

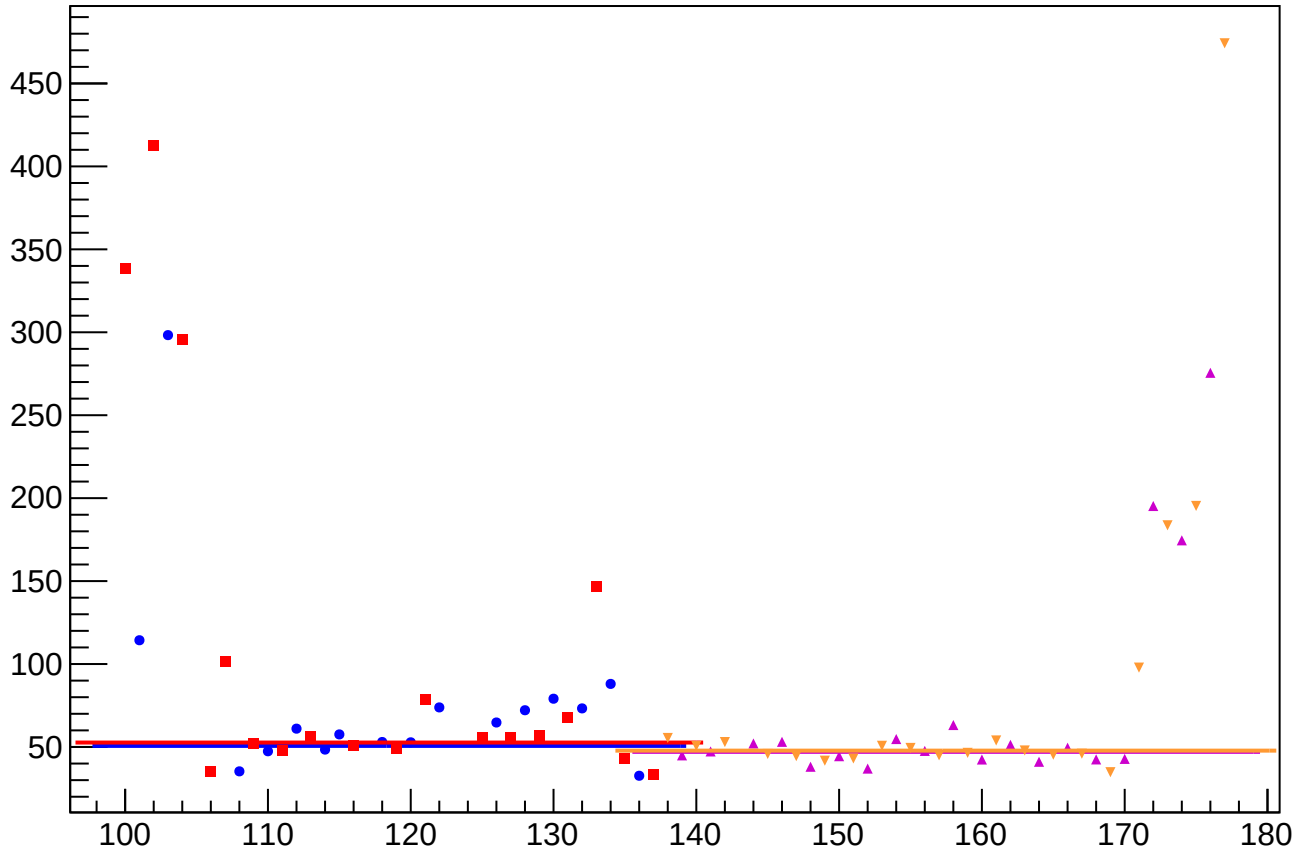
Left: -0.016+/-0.010 χ^2/NDF: 30.6/38

Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.008+/-0.012 χ^2/NDF:20.7/34

Out: -0.037+/-0.012 χ^2/NDF:31.8/37

All: -0.013+/-0.008 χ^2/NDF: 59.8/72



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 47.794+/-0.010 χ^2/NDF:3500704.6/19

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 47.053+/-0.010 χ^2/NDF:3048256.8/18

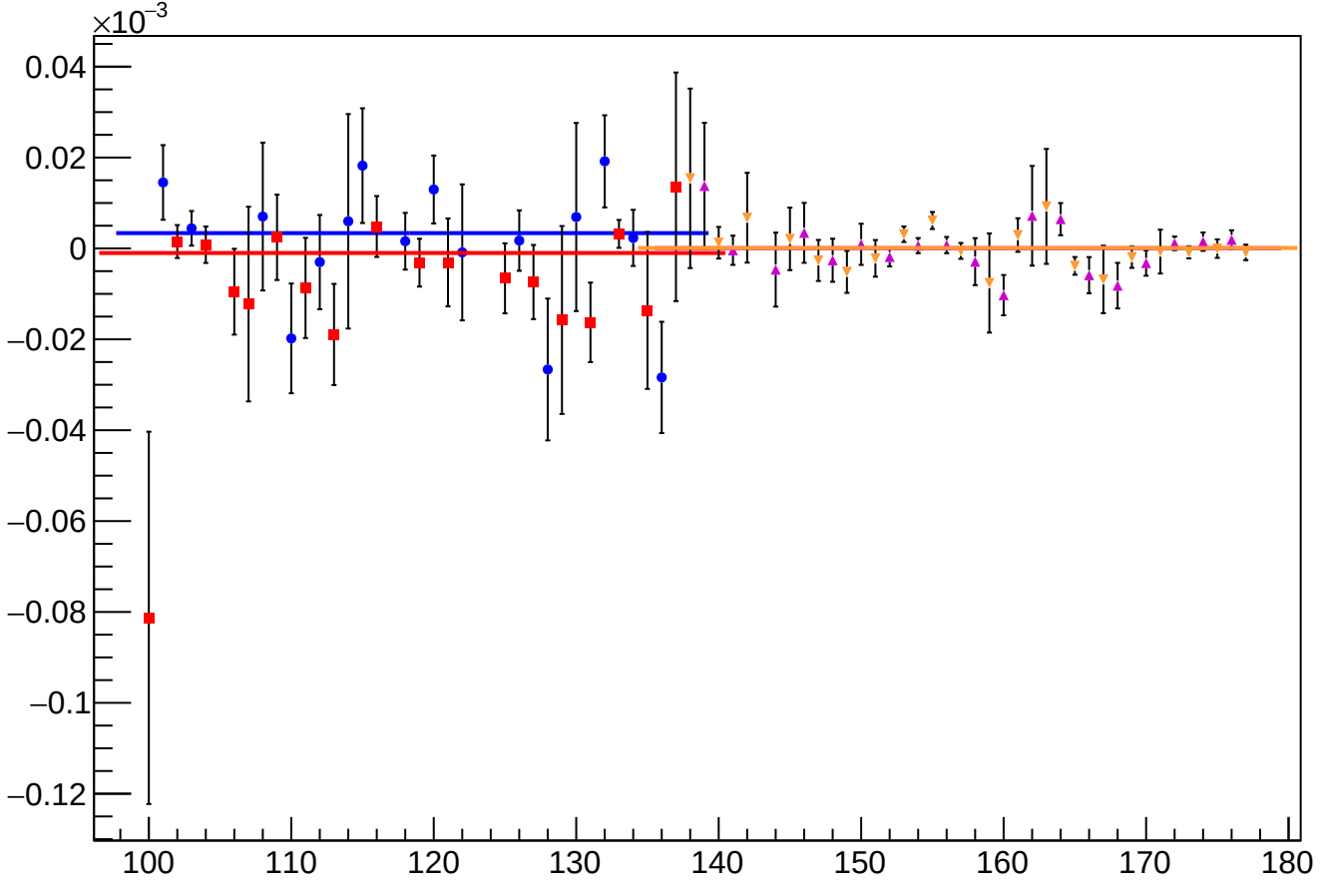
Left: 47.413+/-0.007 χ^2/NDF: 6551859.5/38

Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 48.050+/-0.008 χ^2/NDF:5353674.3/34

Out: 49.094+/-0.008 χ^2/NDF:5777801.8/37

All: 48.554+/-0.006 χ^2/NDF: 11139399.3/72



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.1/19

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:20.6/18

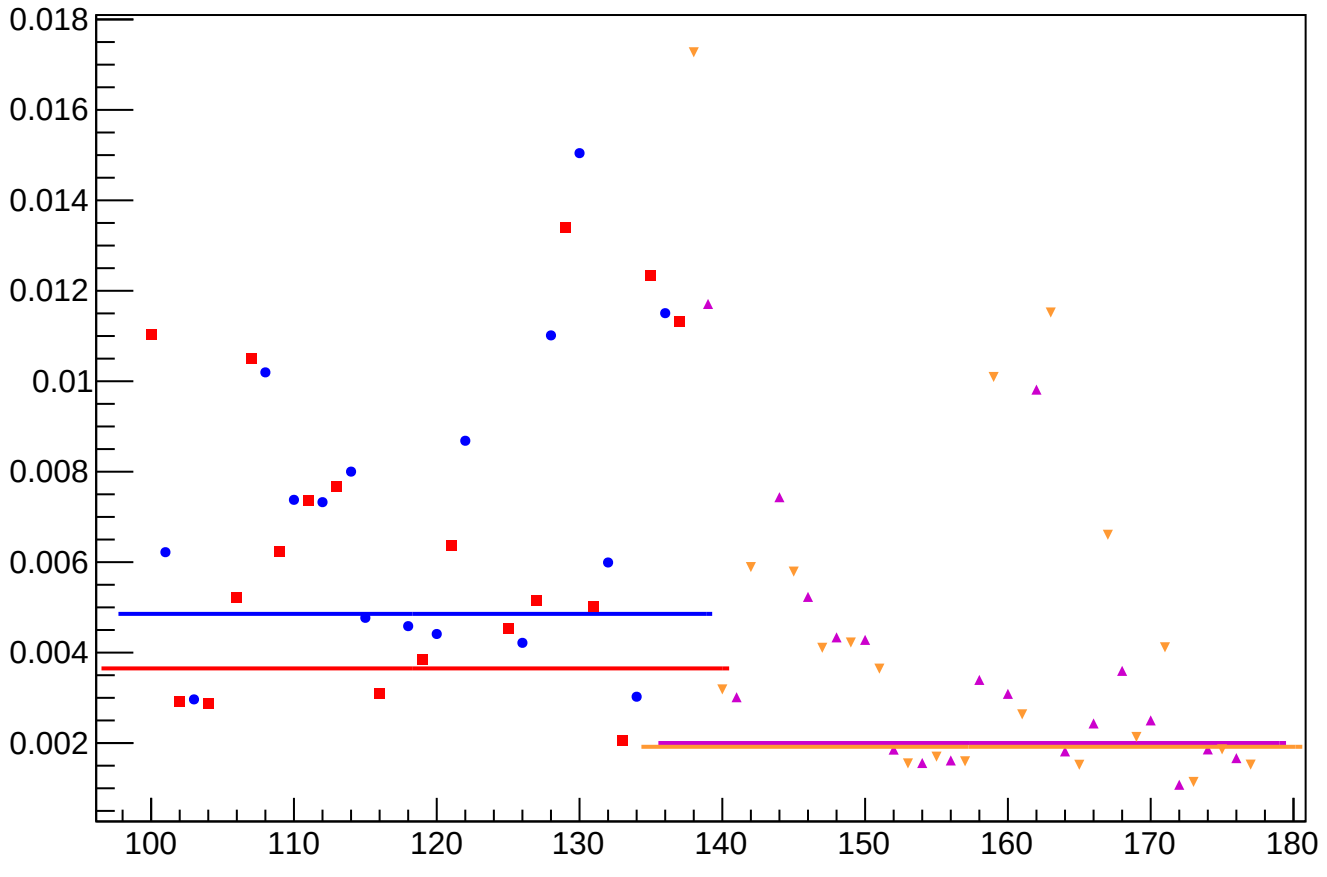
Left: 0.000+/-0.000 χ^2/NDF: 45.7/38

Right: 0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:45.2/34

Out: -0.000+/-0.000 χ^2/NDF:42.8/37

All: 0.000+/-0.000 χ^2/NDF: 88.1/72



Right In: 0.005+/-0.000 χ^2/NDF: 2745089.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:8401239.5/19

Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.002+/-0.000 χ^2/NDF:6176505.0/18

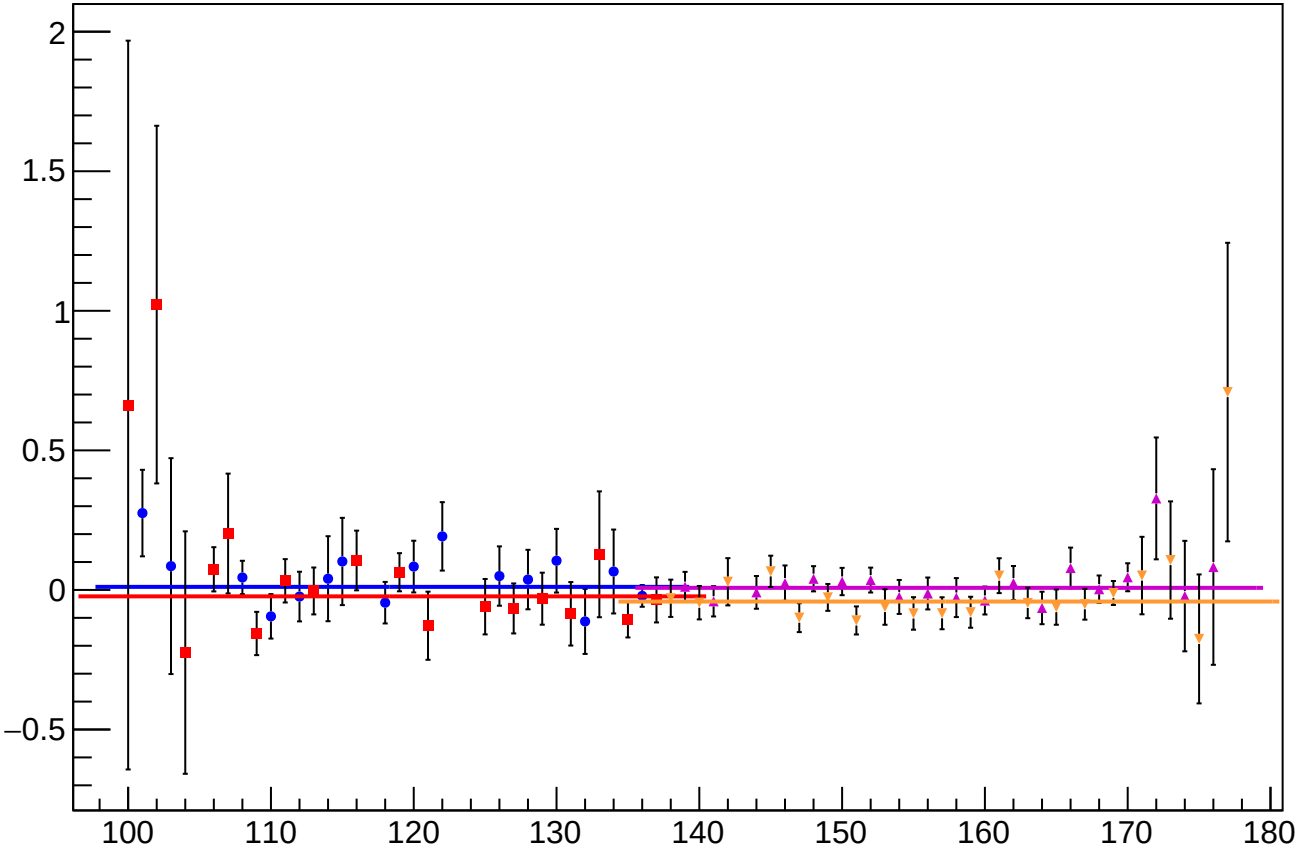
Left: 0.002+/-0.000 χ^2/NDF: 14596545.3/38

Right: 0.004+/-0.000 χ^2/NDF: 6282872.0/33

In: 0.002+/-0.000 χ^2/NDF:12367592.6/34

Out: 0.002+/-0.000 χ^2/NDF:13661644.3/37

All: 0.002+/-0.000 χ^2/NDF: 26071988.2/72



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:15.4/19

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.008+/-0.014 χ^2/NDF:8.9/18

Left: -0.016+/-0.010 χ^2/NDF: 30.6/38

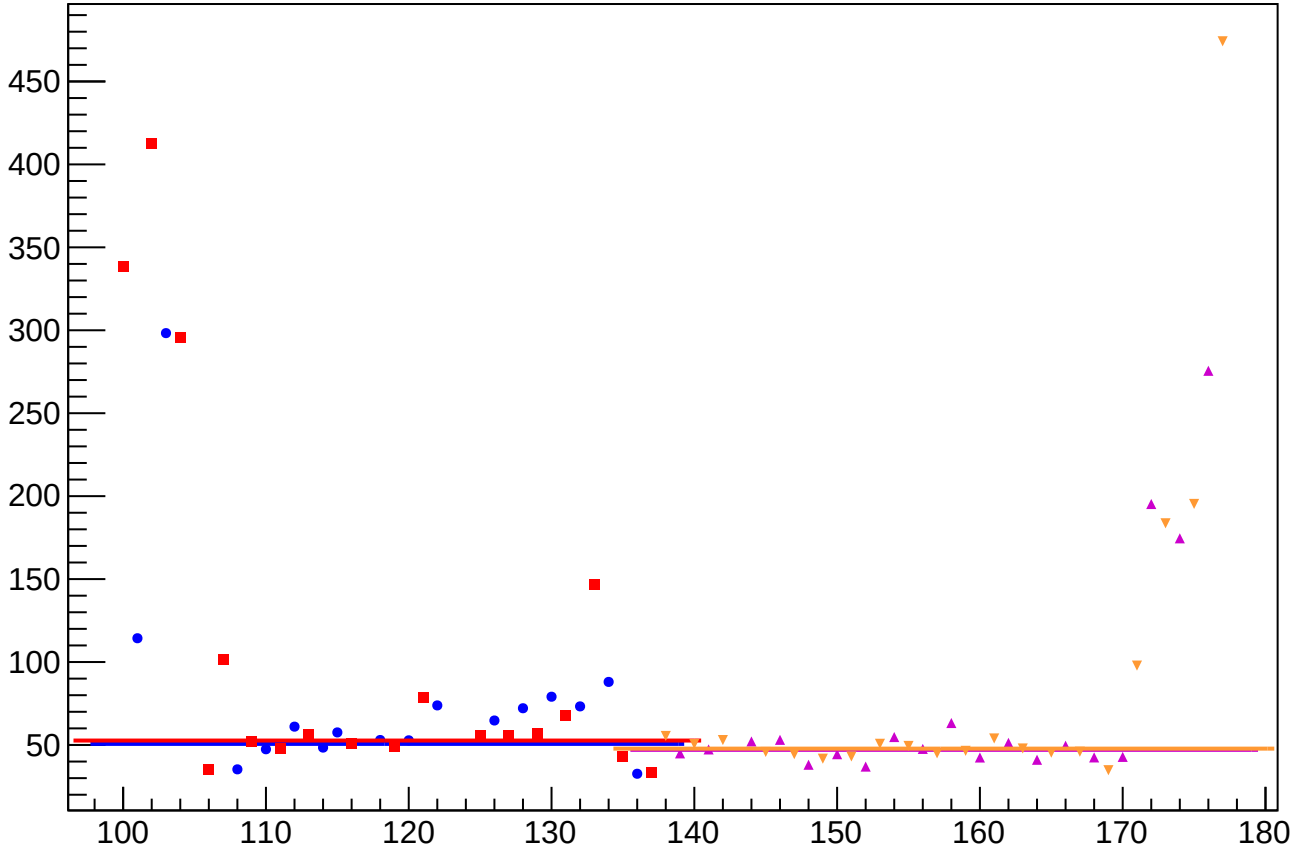
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.008+/-0.012 χ^2/NDF:20.7/34

Out: -0.037+/-0.012 χ^2/NDF:31.8/37

All: -0.013+/-0.008 χ^2/NDF: 59.8/72

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 47.793+/-0.010 χ^2/NDF:3500723.8/19

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 47.053+/-0.010 χ^2/NDF:3048194.9/18

Left: 47.413+/-0.007 χ^2/NDF: 6551812.1/38

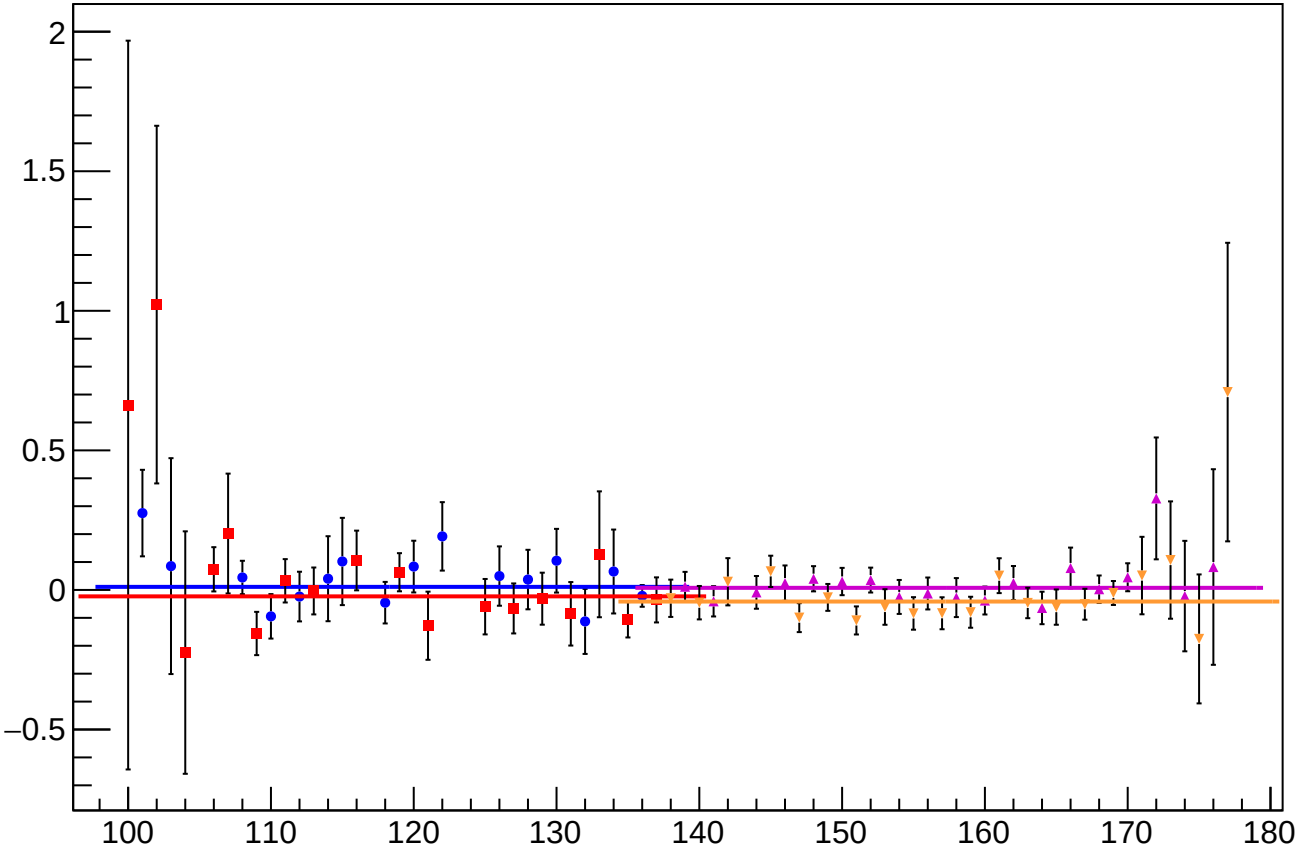
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 48.050+/-0.008 χ^2/NDF:5353519.4/34

Out: 49.094+/-0.008 χ^2/NDF:5777734.8/37

All: 48.554+/-0.006 χ^2/NDF: 11139171.8/72

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:15.4/19

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.008+/-0.014 χ^2/NDF:8.9/18

Left: -0.016+/-0.010 χ^2/NDF: 30.6/38

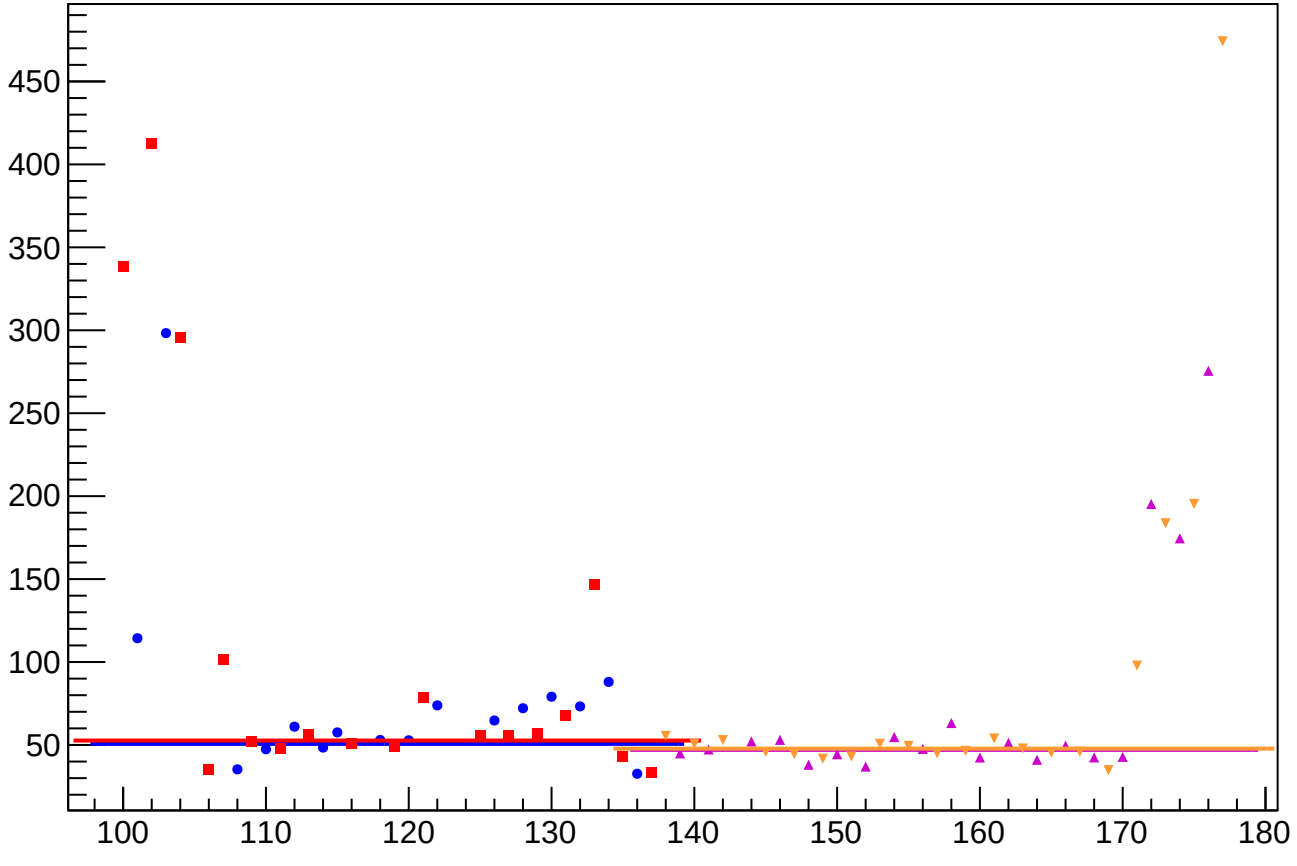
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.008+/-0.012 χ^2/NDF:20.7/34

Out: -0.037+/-0.012 χ^2/NDF:31.8/37

All: -0.013+/-0.008 χ^2/NDF: 59.8/72

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 47.793+/-0.010 χ^2/NDF:3500723.8/19

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 47.053+/-0.010 χ^2/NDF:3048194.9/18

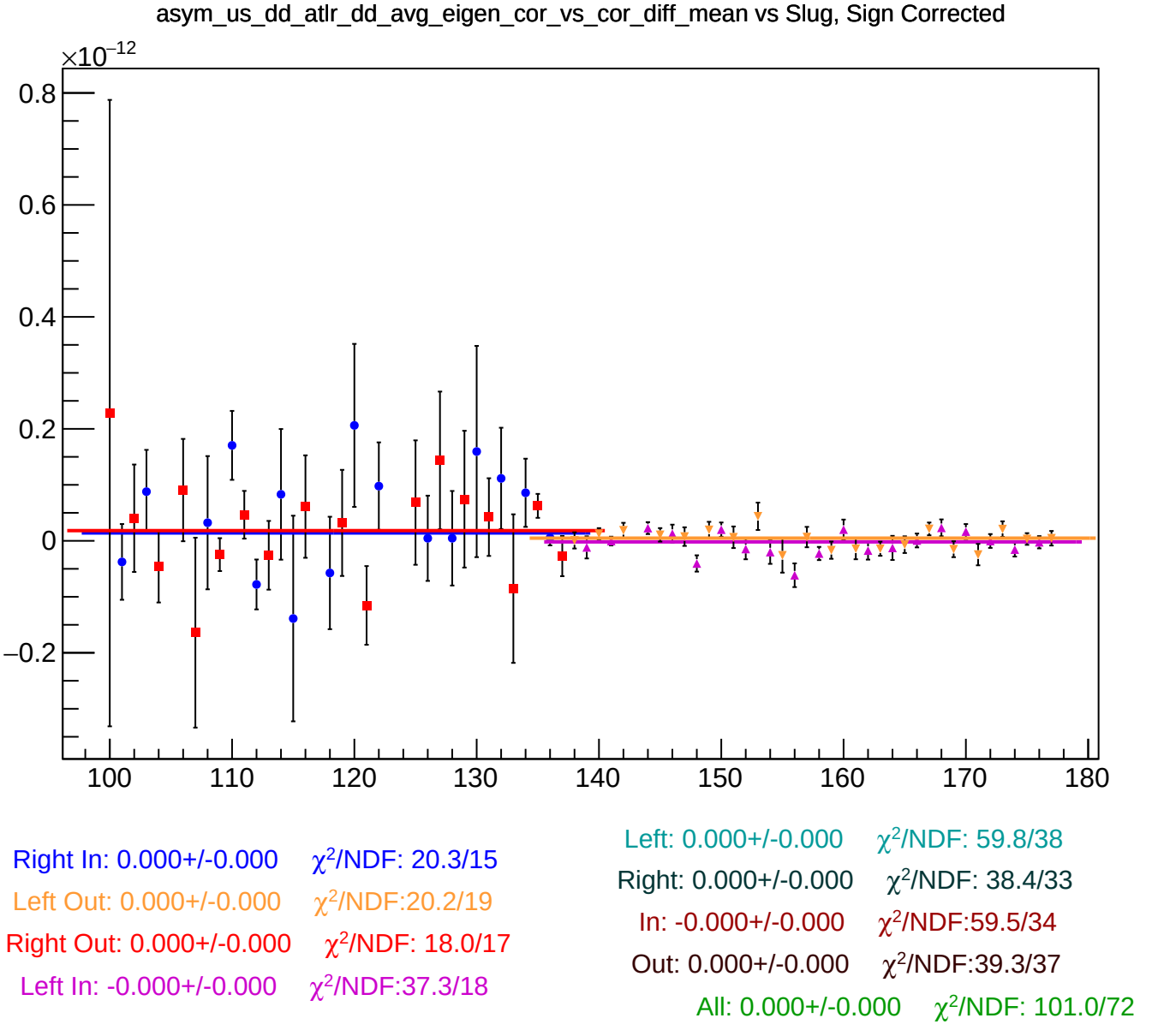
Left: 47.413+/-0.007 χ^2/NDF: 6551812.1/38

Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

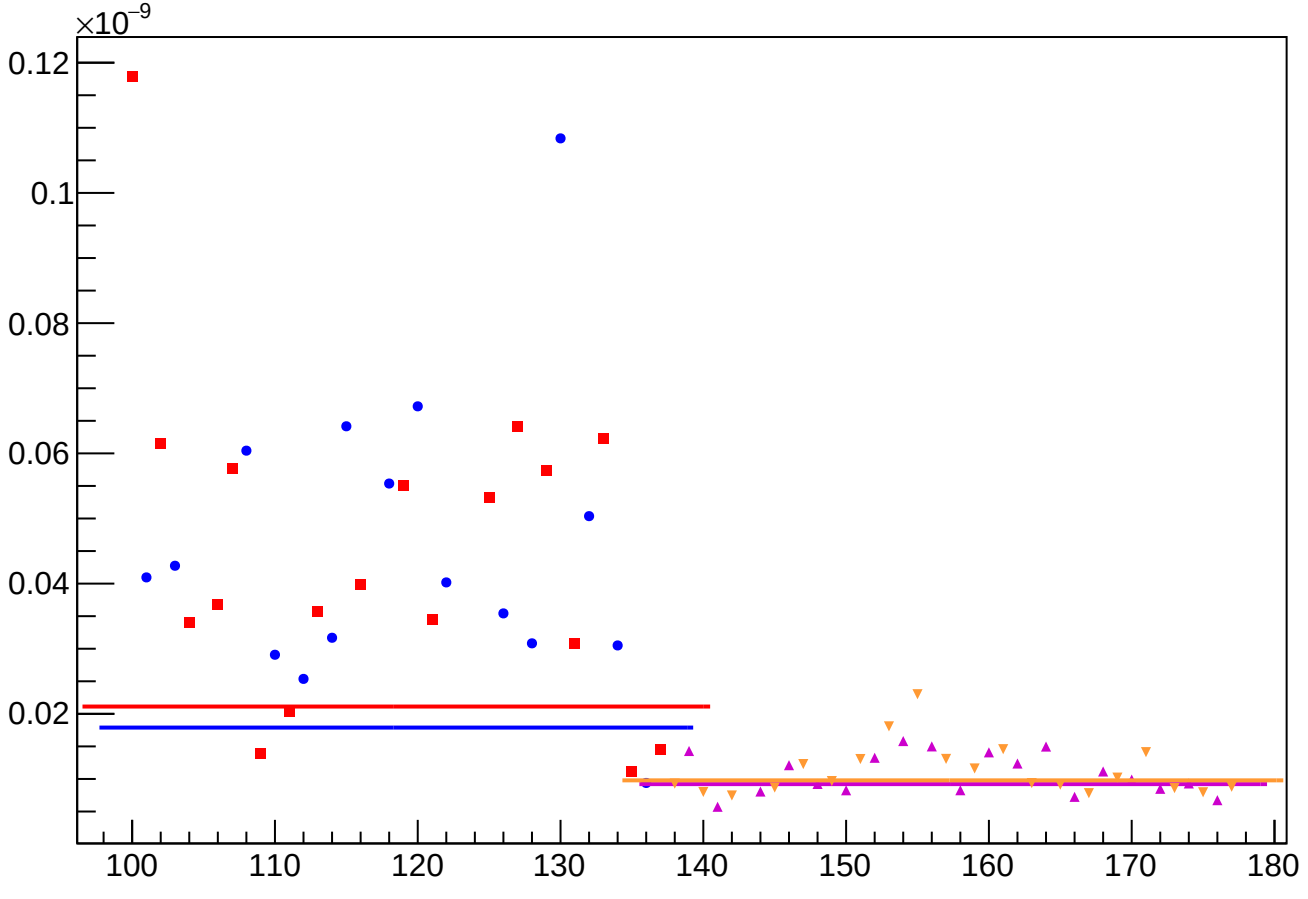
In: 48.050+/-0.008 χ^2/NDF:5353519.4/34

Out: 49.094+/-0.008 χ^2/NDF:5777734.8/37

All: 48.554+/-0.006 χ^2/NDF: 11139171.8/72


asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
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:20.2/19
Right Out: 0.000+/-0.000 χ²/NDF: 18.0/17
Left In: -0.000+/-0.000 χ²/NDF:37.3/18
Left: 0.000+/-0.000 χ²/NDF: 59.8/38
Right: 0.000+/-0.000 χ²/NDF: 38.4/33
In: -0.000+/-0.000 χ²/NDF:59.5/34
Out: 0.000+/-0.000 χ²/NDF:39.3/37
All: 0.000+/-0.000 χ²/NDF: 101.0/72

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:1323173.0/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1650222.3/18

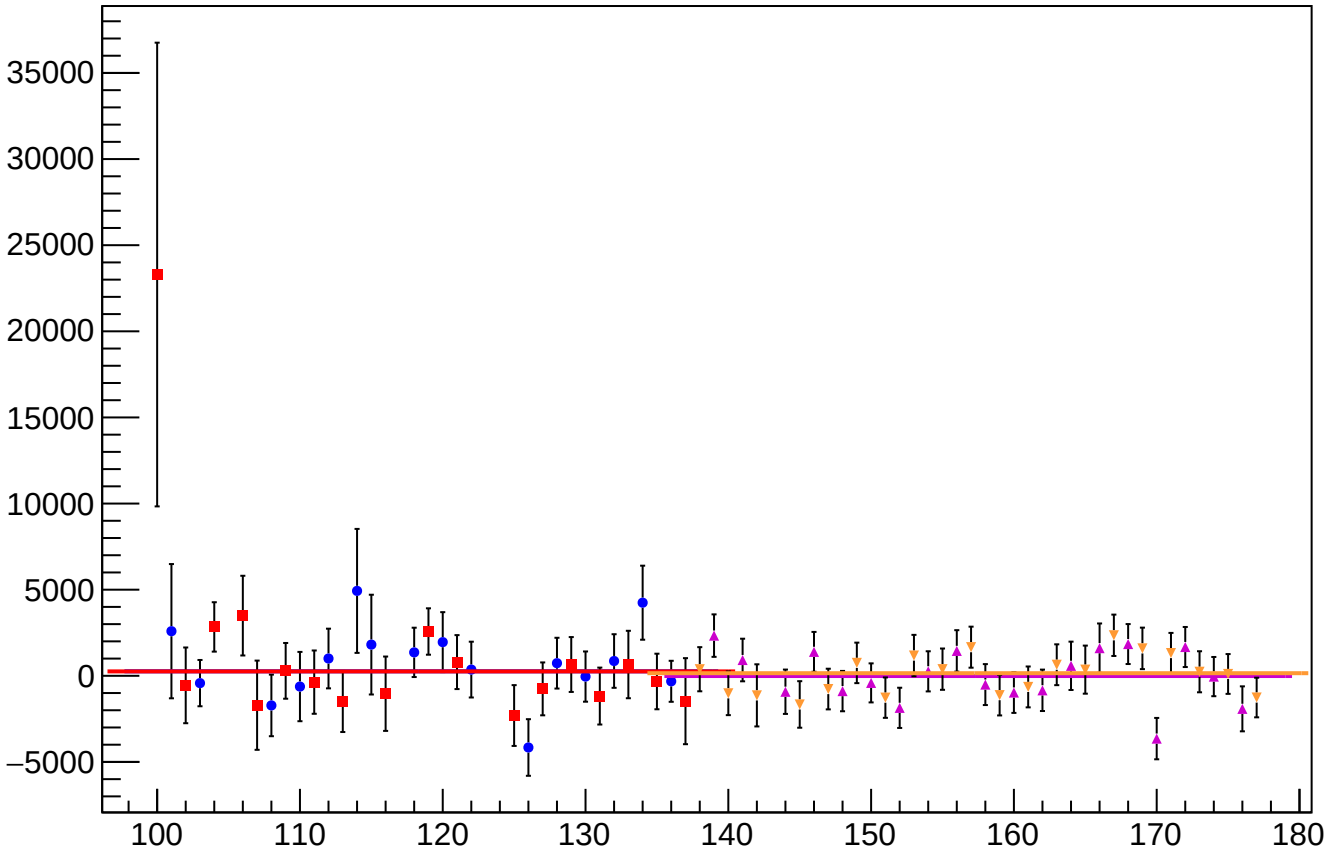
Left: 0.000+/-0.000 χ^2/NDF: 3006987.7/38

Right: 0.000+/-0.000 χ^2/NDF: 6093228.6/33

In: 0.000+/-0.000 χ^2/NDF:6142867.2/34

Out: 0.000+/-0.000 χ^2/NDF:5479895.2/37

All: 0.000+/-0.000 χ^2/NDF: 11670710.4/72



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: 151.649+/-273.918 χ^2/NDF:17.0/19

Right Out: 255.934+/-425.784 χ^2/NDF: 17.4/17

Left In: -12.753+/-277.626 χ^2/NDF:29.6/18

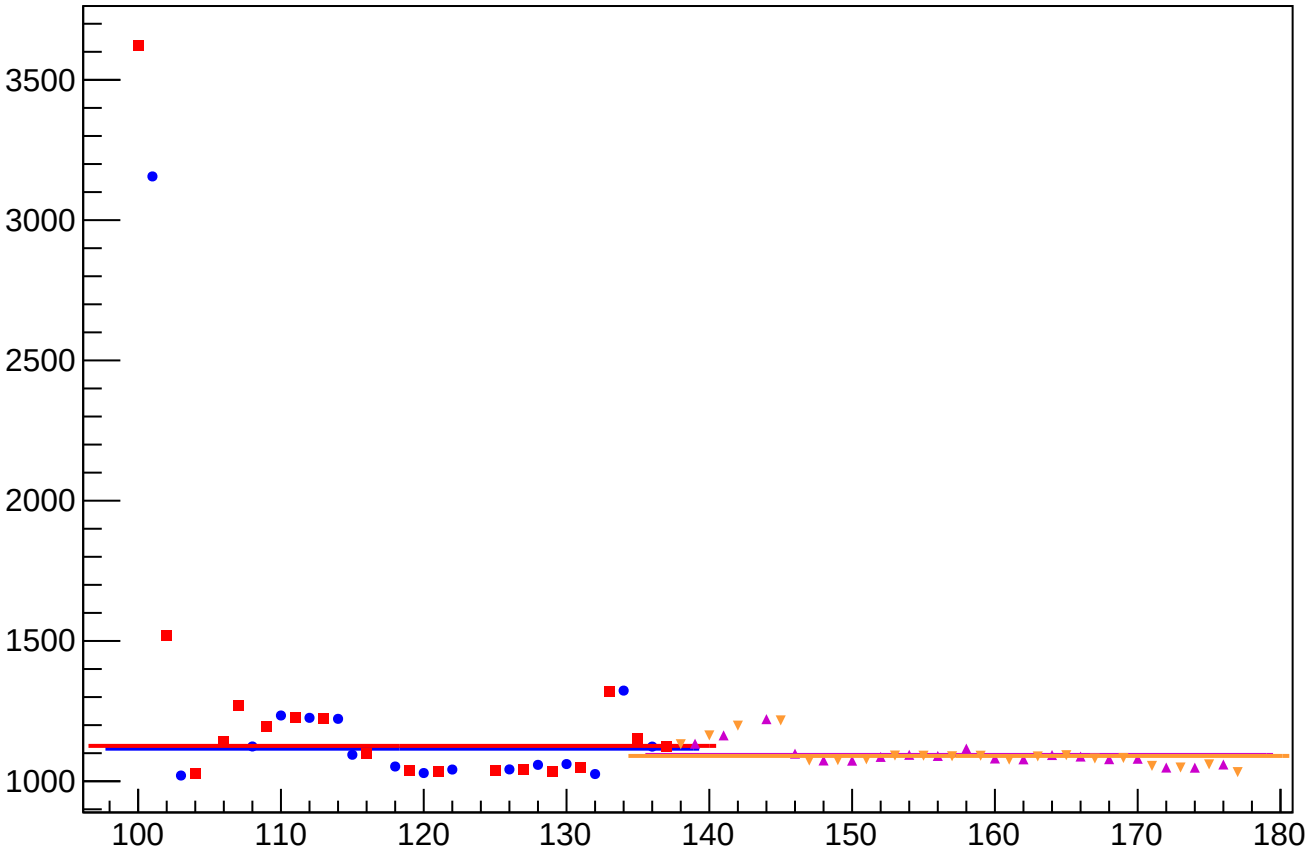
Left: 70.553+/-194.987 χ^2/NDF: 46.8/38

Right: 258.372+/-300.676 χ^2/NDF: 34.3/33

In: 69.156+/-232.373 χ^2/NDF:46.8/34

Out: 182.176+/-230.365 χ^2/NDF:34.4/37

All: 126.156+/-163.598 χ^2/NDF: 81.4/72



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1090.237+/-0.194 χ^2/NDF:45537.4/19

Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1093.748+/-0.196 χ^2/NDF:38860.7/18

Left: 1091.969+/-0.138 χ^2/NDF: 84560.1/38

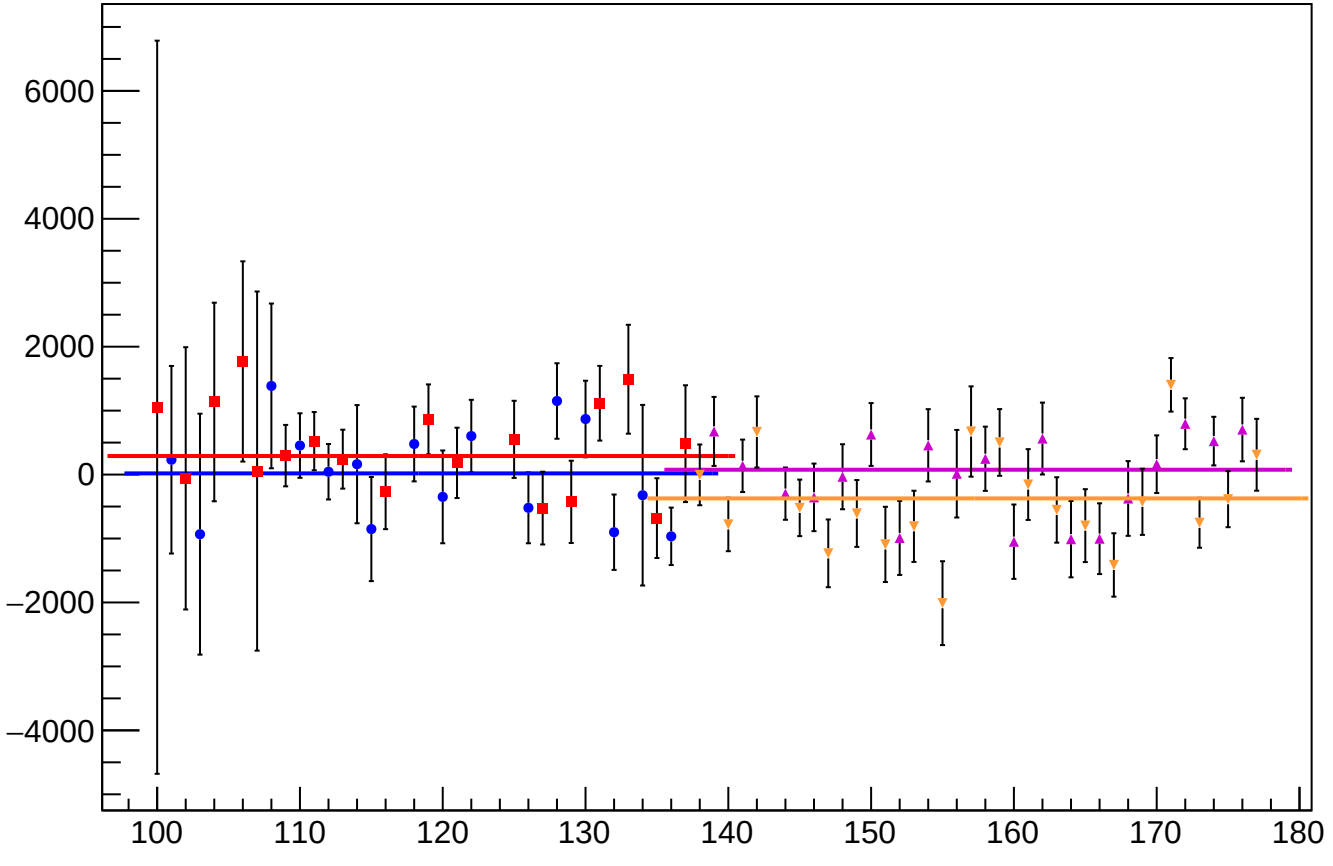
Right: 1121.039+/-0.213 χ^2/NDF: 846041.8/33

In: 1100.437+/-0.164 χ^2/NDF:666129.7/34

Out: 1100.710+/-0.163 χ^2/NDF:277631.7/37

All: 1100.575+/-0.116 χ^2/NDF: 943762.7/72

asym_us_dd_atlr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -372.630+/-112.906 χ^2/NDF:47.0/19

Right Out: 289.946+/-156.189 χ^2/NDF: 13.5/17

Left In: 75.552+/-114.346 χ^2/NDF:26.5/18

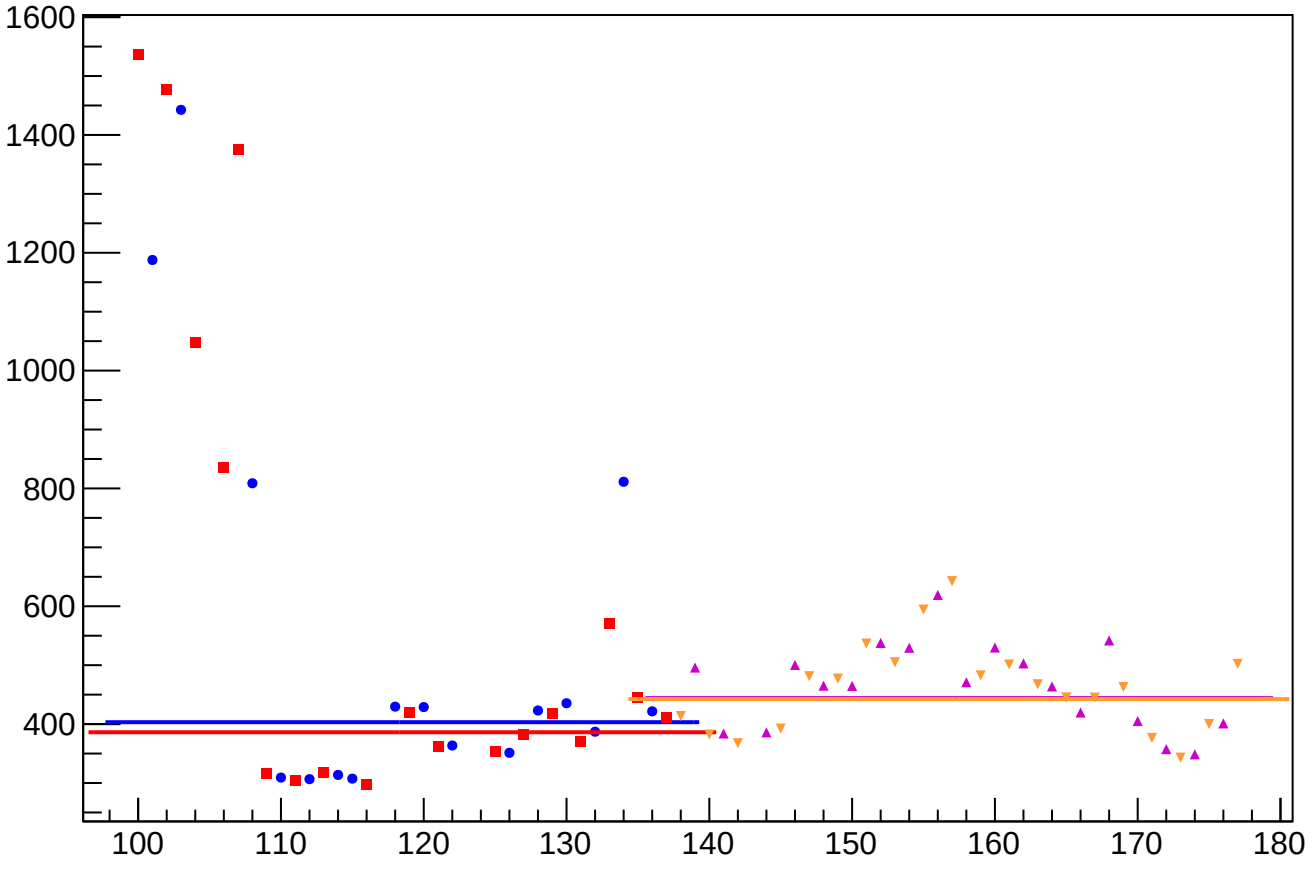
Left: -151.380+/-80.341 χ^2/NDF: 81.3/38

Right: 158.523+/-112.184 χ^2/NDF: 34.1/33

In: 56.449+/-93.272 χ^2/NDF:45.8/34

Out: -145.228+/-91.502 χ^2/NDF:72.3/37

All: -46.321+/-65.318 χ^2/NDF: 120.5/72



Right In: 403.194+/-0.114 χ^2/NDF: 1808432.3/15

Left Out: 442.397+/-0.080 χ^2/NDF:737502.1/19

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

Left In: 444.129+/-0.081 χ^2/NDF:744335.0/18

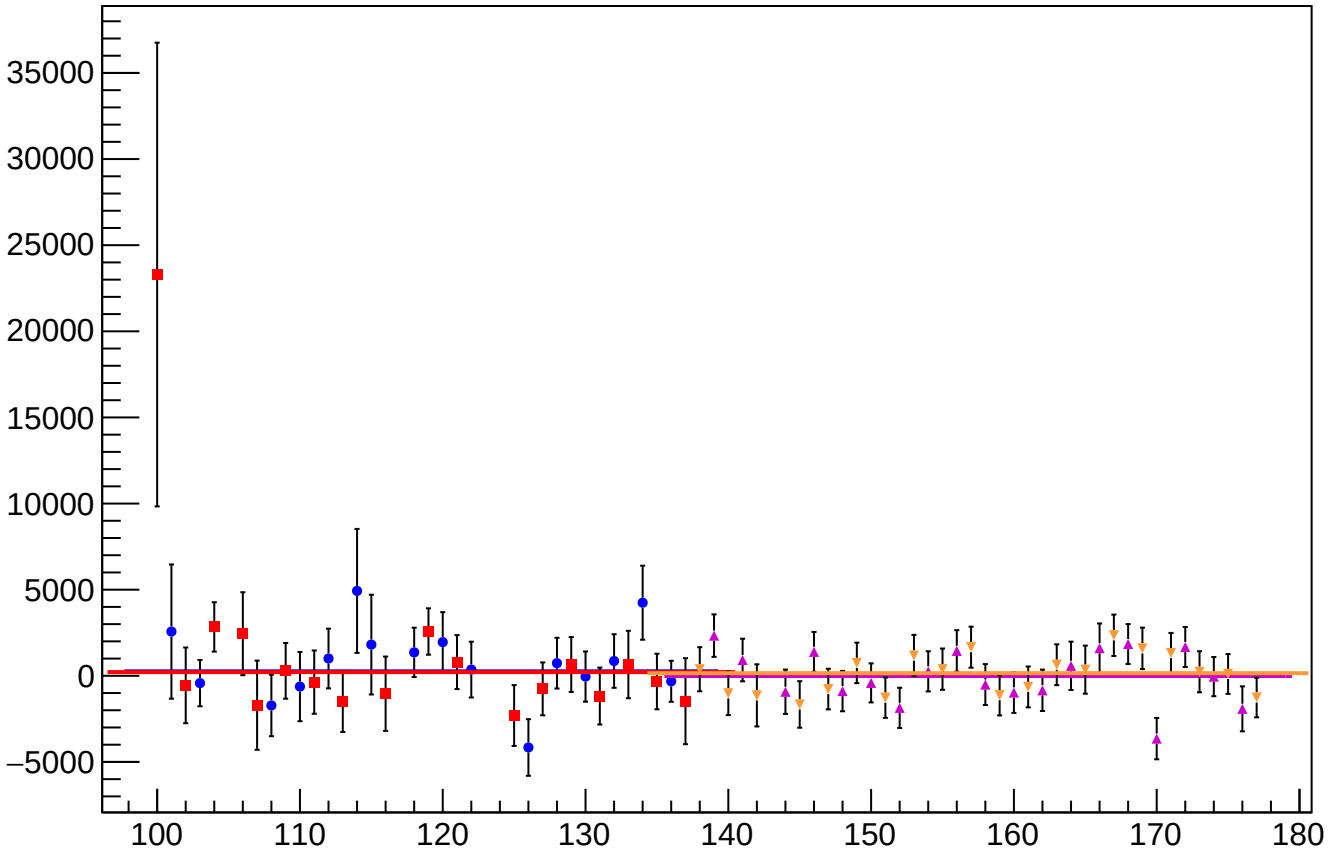
Left: 443.252+/-0.057 χ^2/NDF: 1482069.4/38

Right: 394.399+/-0.079 χ^2/NDF: 3579081.1/33

In: 430.431+/-0.066 χ^2/NDF:2638538.6/34

Out: 423.091+/-0.065 χ^2/NDF:2666993.5/37

All: 426.691+/-0.046 χ^2/NDF: 5311842.9/72



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: 151.673+/-273.918 χ^2/NDF:17.0/19

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: -12.754+/-277.626 χ^2/NDF:29.6/18

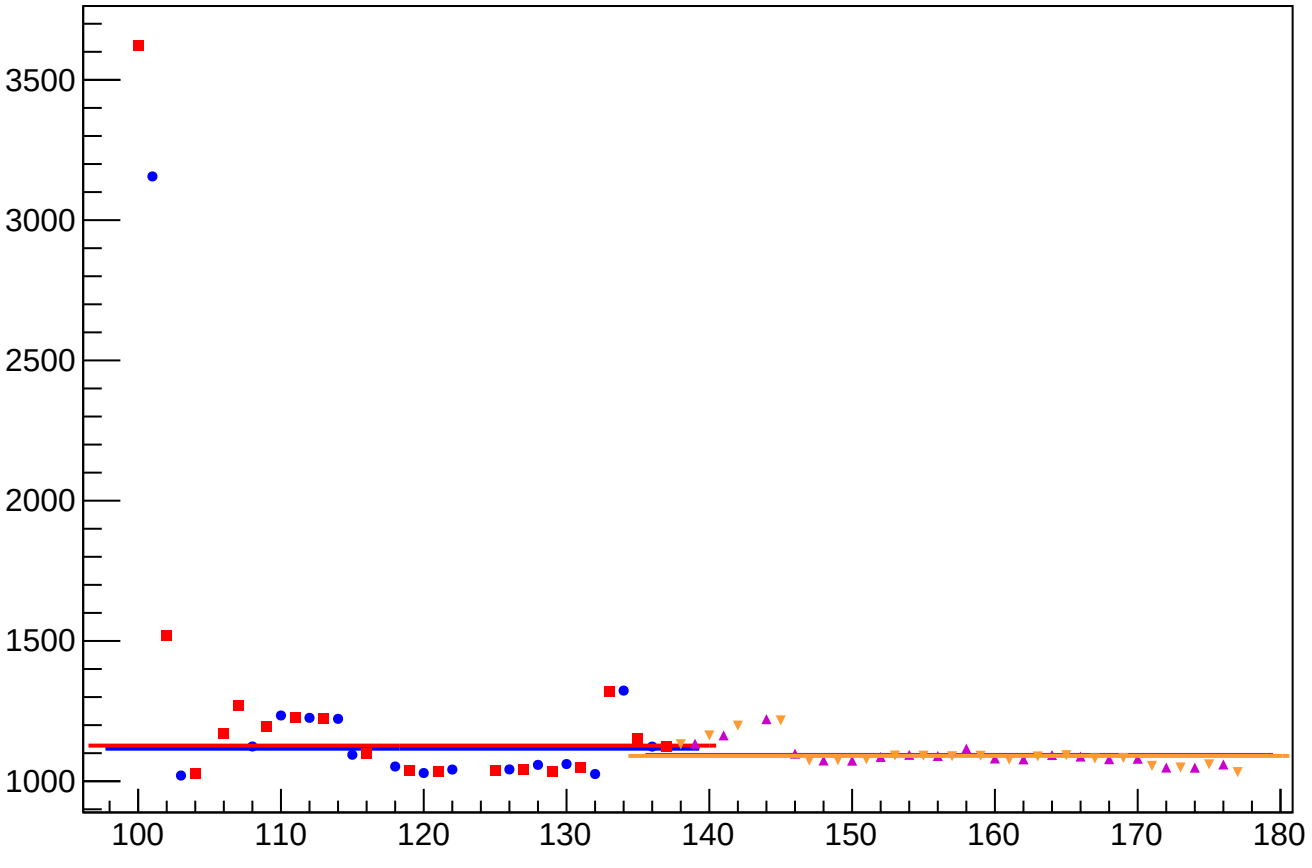
Left: 70.565+/-194.987 χ^2/NDF: 46.8/38

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 69.041+/-232.373 χ^2/NDF:46.8/34

Out: 170.030+/-230.453 χ^2/NDF:33.3/37

All: 119.954+/-163.630 χ^2/NDF: 80.2/72



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1090.237+/-0.194 χ^2/NDF:45537.4/19

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1093.748+/-0.196 χ^2/NDF:38860.7/18

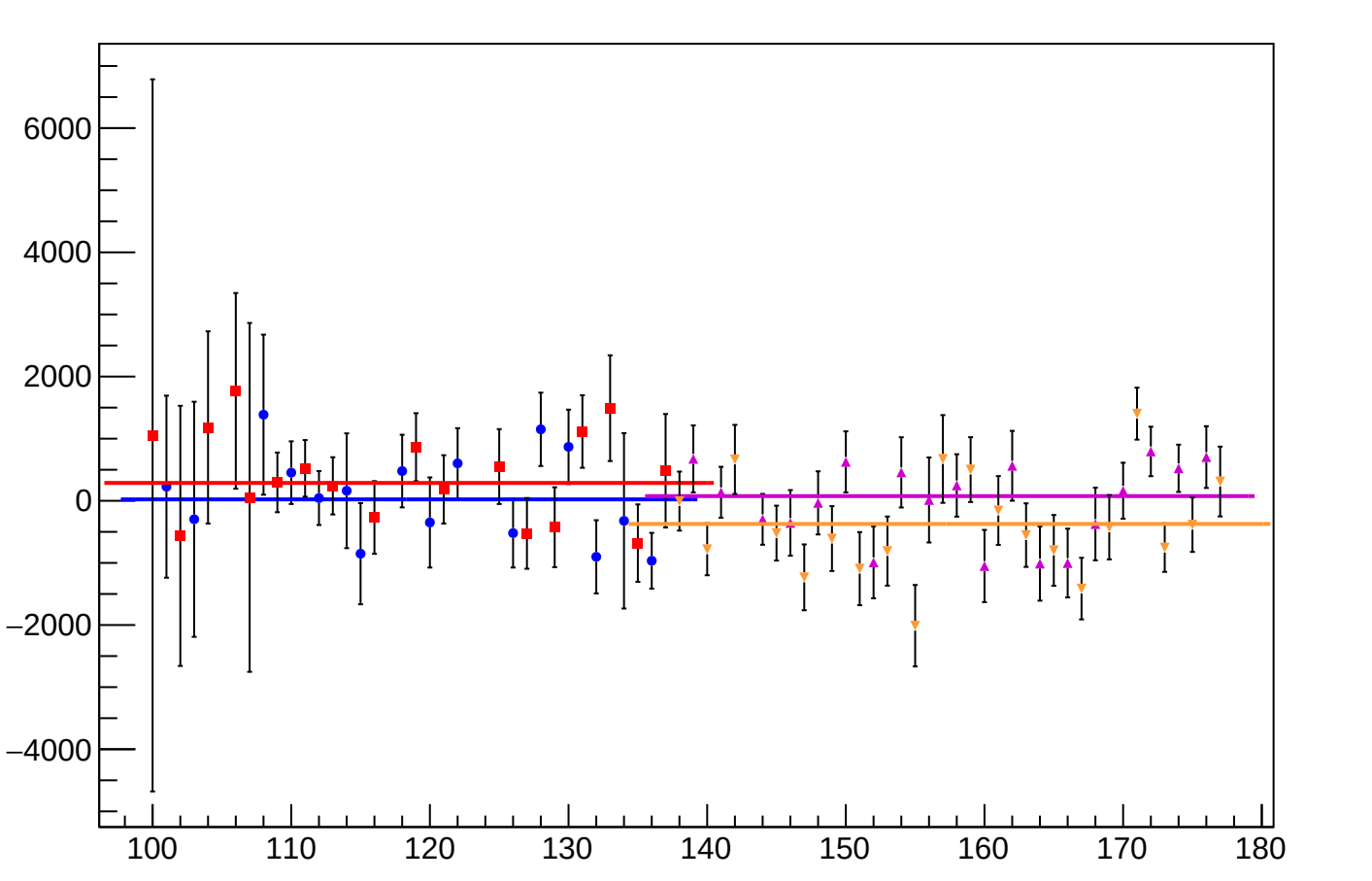
Left: 1091.969+/-0.138 χ^2/NDF: 84560.1/38

Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1100.437+/-0.164 χ^2/NDF:666130.6/34

Out: 1100.967+/-0.163 χ^2/NDF:278780.8/37

All: 1100.704+/-0.116 χ^2/NDF: 944916.7/72



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -372.654+/-112.905 χ^2/NDF:47.0/19

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 75.538+/-114.346 χ^2/NDF:26.5/18

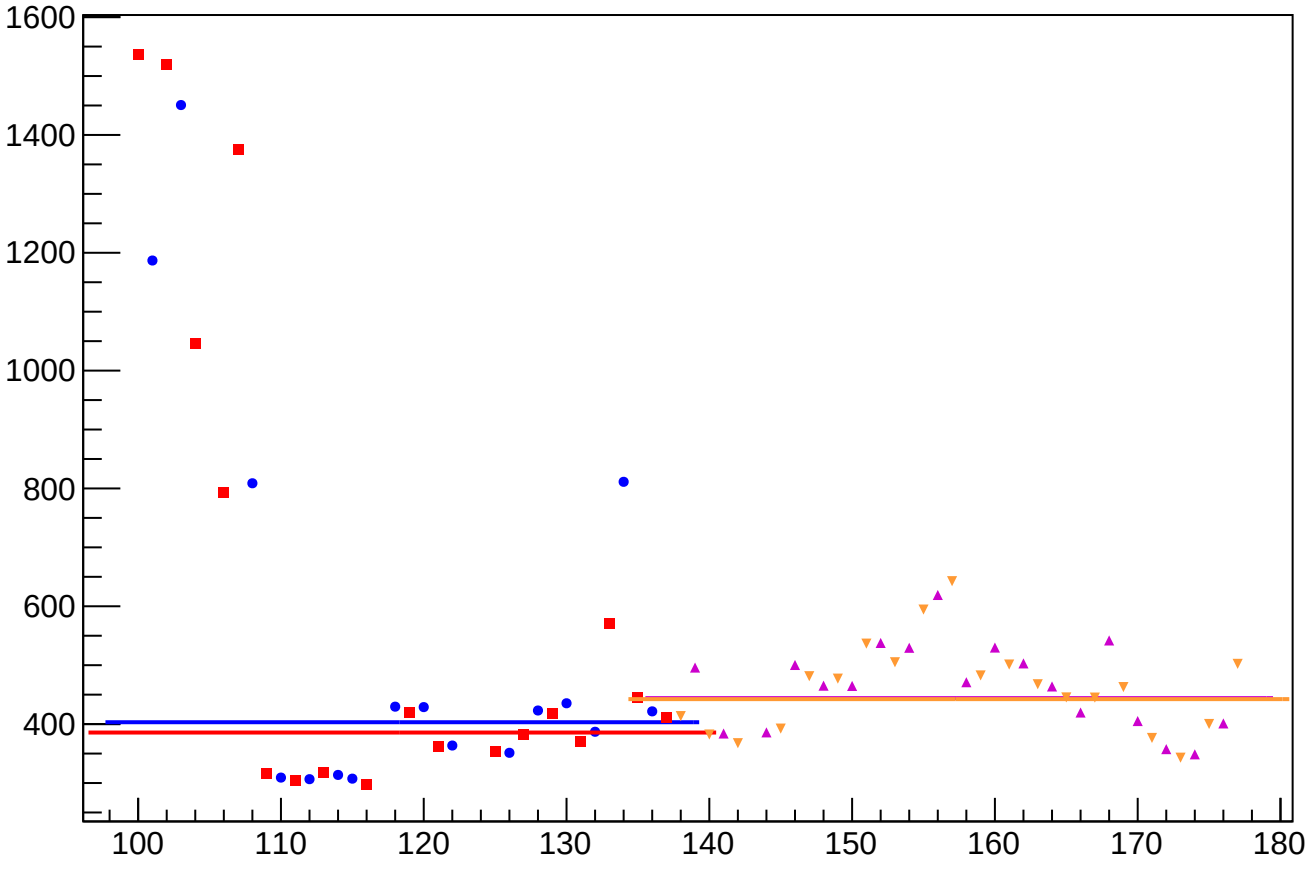
Left: -151.399+/-80.341 χ^2/NDF: 81.3/38

Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 57.932+/-93.272 χ^2/NDF:45.5/34

Out: -146.090+/-91.506 χ^2/NDF:72.4/37

All: -46.029+/-65.320 χ^2/NDF: 120.4/72



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 442.393+/-0.080 χ^2/NDF:737583.8/19

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 444.130+/-0.081 χ^2/NDF:744218.9/18

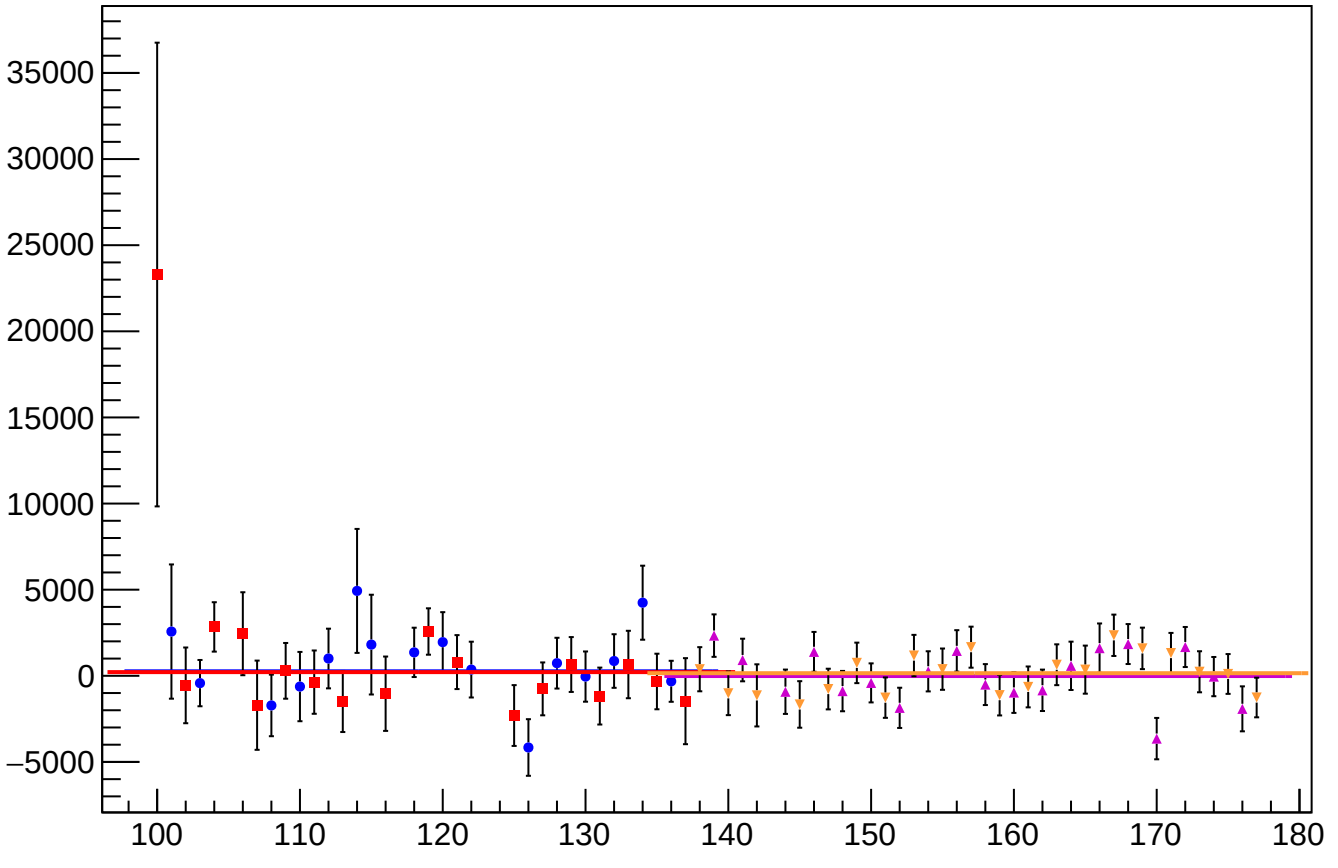
Left: 443.251+/-0.057 χ^2/NDF: 1482036.3/38

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 430.428+/-0.066 χ^2/NDF:2642156.6/34

Out: 422.933+/-0.065 χ^2/NDF:2657885.0/37

All: 426.609+/-0.046 χ^2/NDF: 5306621.2/72



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: 151.673+/-273.918 χ^2/NDF:17.0/19

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: -12.754+/-277.626 χ^2/NDF:29.6/18

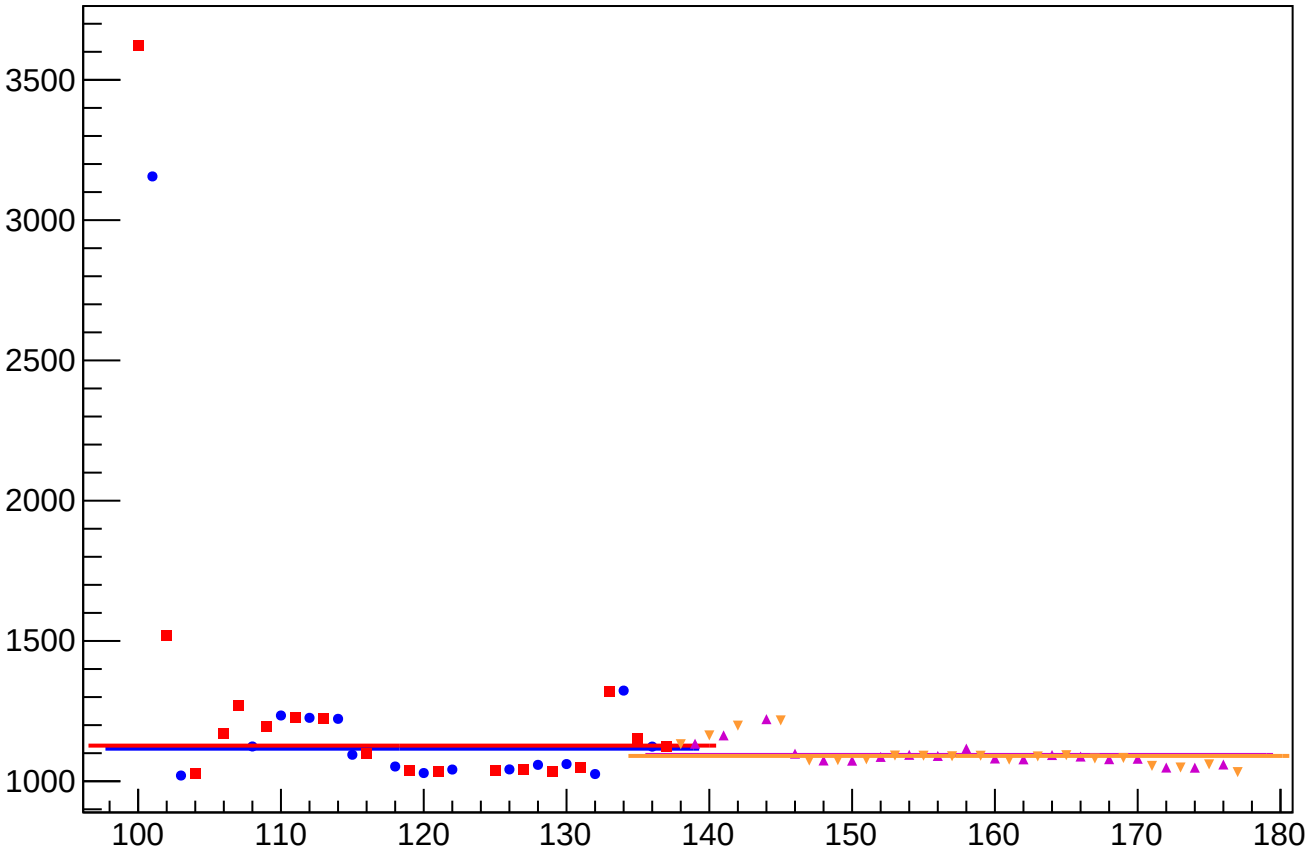
Left: 70.565+/-194.987 χ^2/NDF: 46.8/38

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 69.041+/-232.373 χ^2/NDF:46.8/34

Out: 170.030+/-230.453 χ^2/NDF:33.3/37

All: 119.954+/-163.630 χ^2/NDF: 80.2/72



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1090.237+/-0.194 χ^2/NDF:45537.4/19

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1093.748+/-0.196 χ^2/NDF:38860.7/18

Left: 1091.969+/-0.138 χ^2/NDF: 84560.1/38

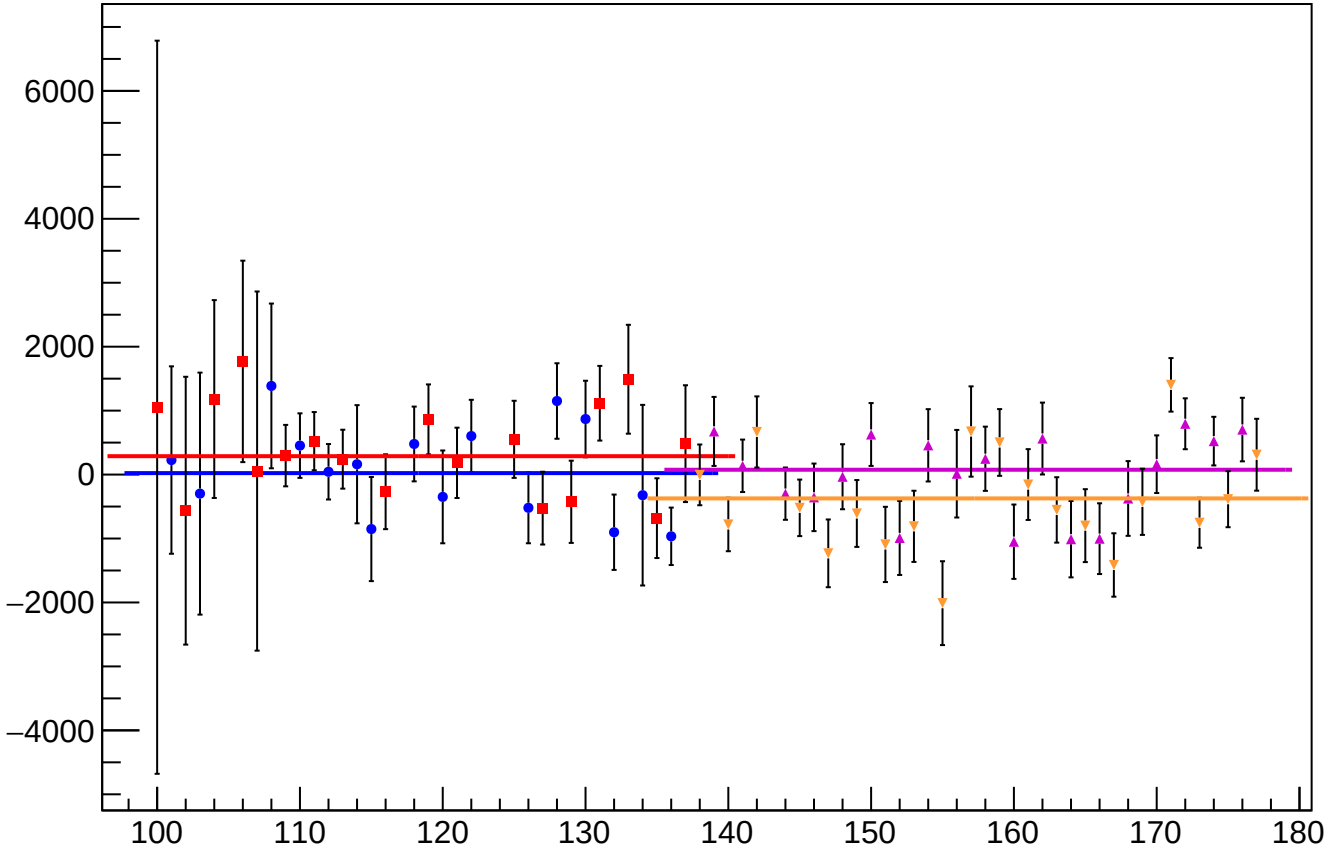
Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1100.437+/-0.164 χ^2/NDF:666130.6/34

Out: 1100.967+/-0.163 χ^2/NDF:278780.8/37

All: 1100.704+/-0.116 χ^2/NDF: 944916.7/72

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: -372.654+/-112.905 χ^2/NDF:47.0/19

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 75.538+/-114.346 χ^2/NDF:26.5/18

Left: -151.399+/-80.341 χ^2/NDF: 81.3/38

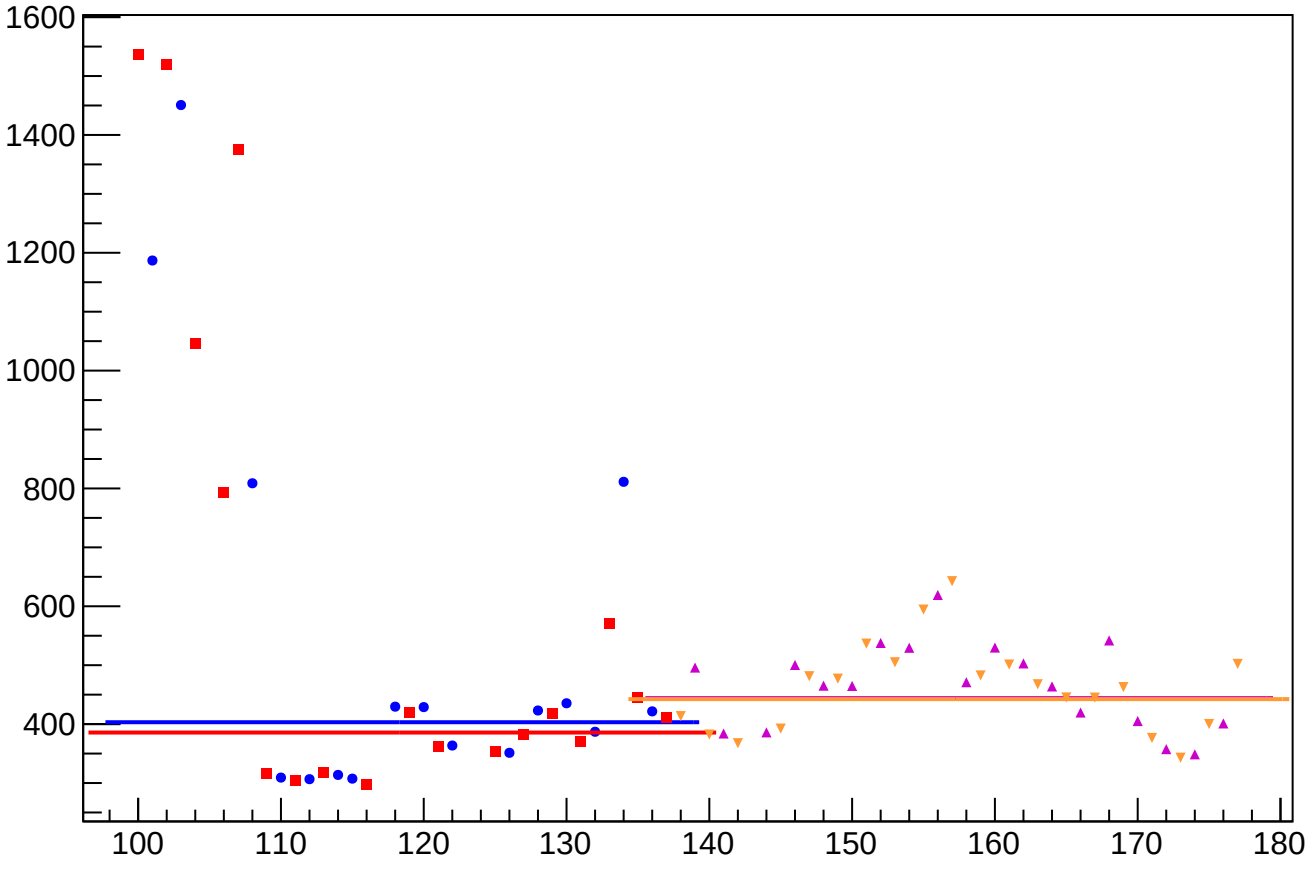
Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 57.932+/-93.272 χ^2/NDF:45.5/34

Out: -146.090+/-91.506 χ^2/NDF:72.4/37

All: -46.029+/-65.320 χ^2/NDF: 120.4/72

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: 442.393+/-0.080 χ^2/NDF:737583.8/19

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 444.130+/-0.081 χ^2/NDF:744218.9/18

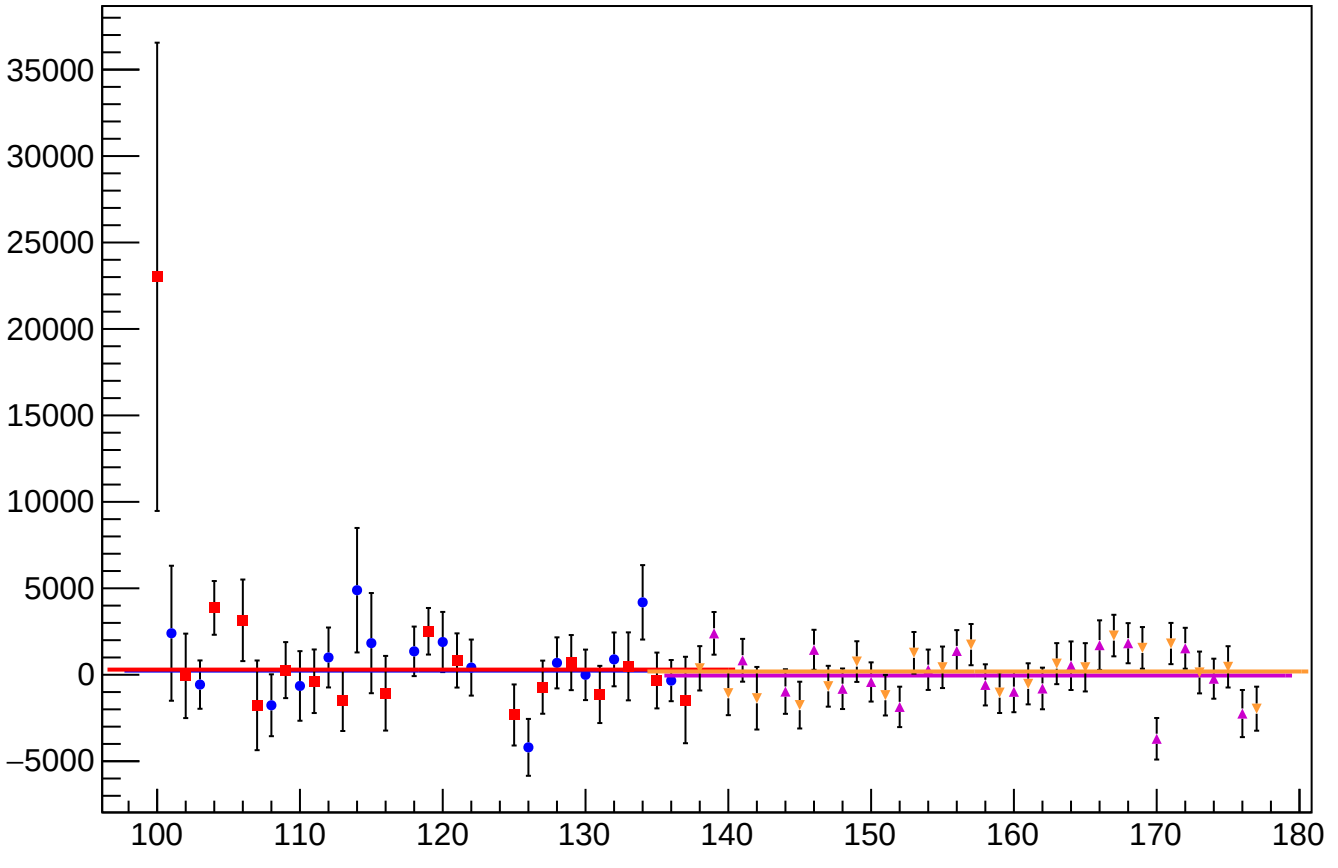
Left: 443.251+/-0.057 χ^2/NDF: 1482036.3/38

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 430.428+/-0.066 χ^2/NDF:2642156.6/34

Out: 422.933+/-0.065 χ^2/NDF:2657885.0/37

All: 426.609+/-0.046 χ^2/NDF: 5306621.2/72



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: 190.590+/-276.594 χ^2/NDF:19.1/19

Right Out: 298.921+/-430.767 χ^2/NDF: 18.7/17

Left In: -42.380+/-278.923 χ^2/NDF:30.2/18

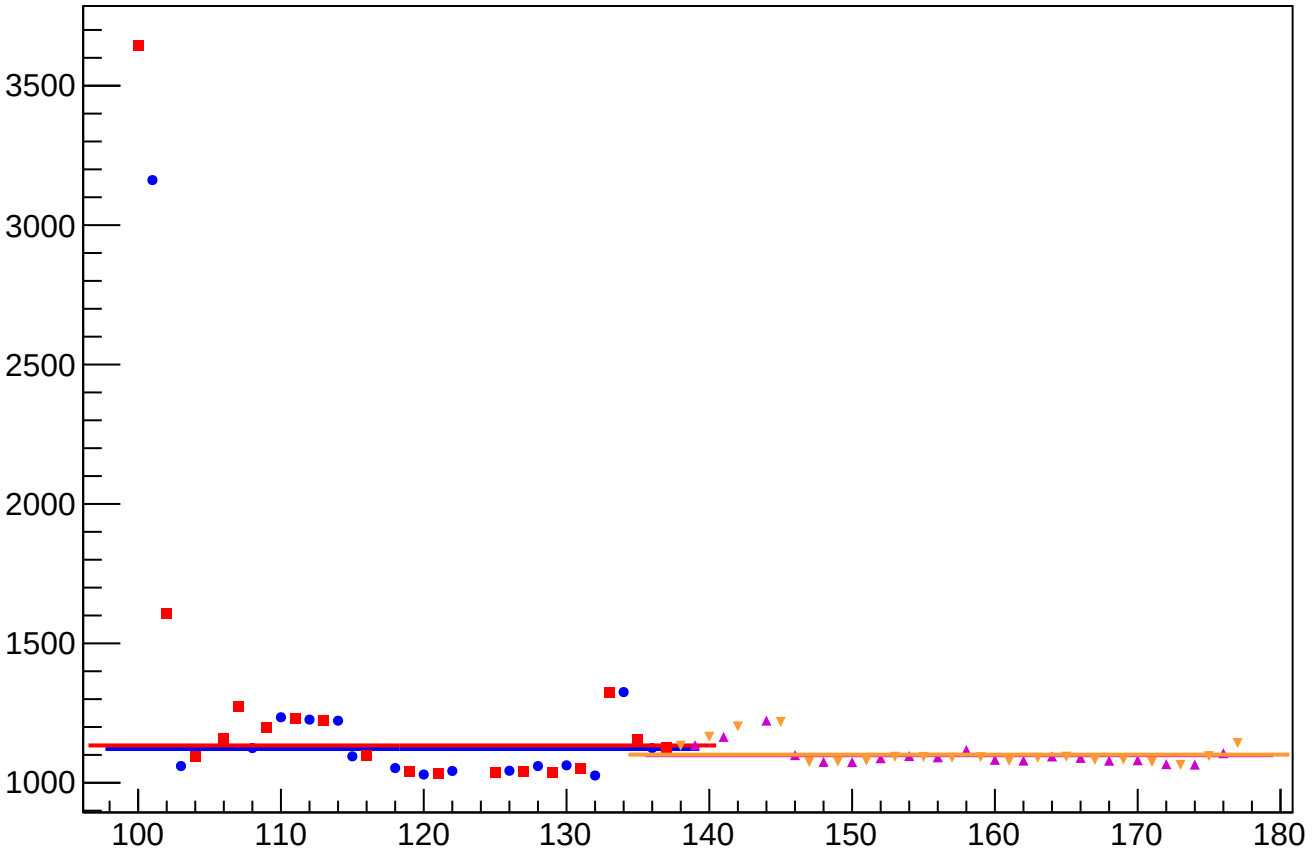
Left: 75.082+/-196.400 χ^2/NDF: 49.6/38

Right: 269.591+/-303.111 χ^2/NDF: 35.6/33

In: 42.434+/-233.451 χ^2/NDF:47.4/34

Out: 222.215+/-232.745 χ^2/NDF:37.8/37

All: 132.597+/-164.825 χ^2/NDF: 85.5/72



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1100.977+/-0.196 χ^2/NDF:37561.6/19

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1098.941+/-0.197 χ^2/NDF:33622.4/18

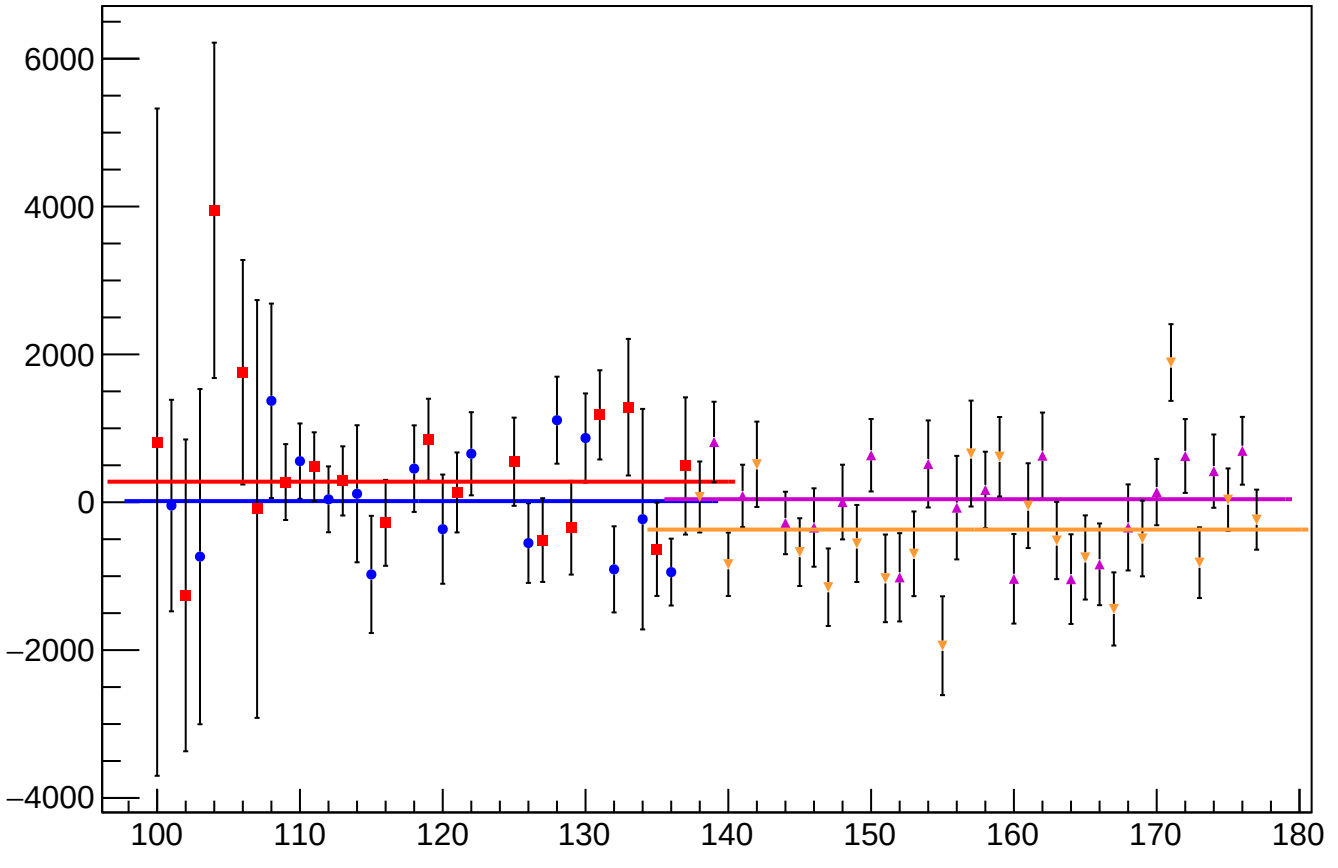
Left: 1099.967+/-0.139 χ^2/NDF: 71237.8/38

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1105.635+/-0.165 χ^2/NDF:654497.6/34

Out: 1110.597+/-0.165 χ^2/NDF:273305.6/37

All: 1108.123+/-0.117 χ^2/NDF: 928256.2/72



Right In: 15.291+/-161.845 χ^2/NDF: 19.6/15

Left Out: -369.712+/-114.832 χ^2/NDF:46.1/19

Right Out: 278.251+/-158.828 χ^2/NDF: 15.1/17

Left In: 41.185+/-119.425 χ^2/NDF:22.9/18

Left: -172.316+/-82.775 χ^2/NDF: 75.1/38

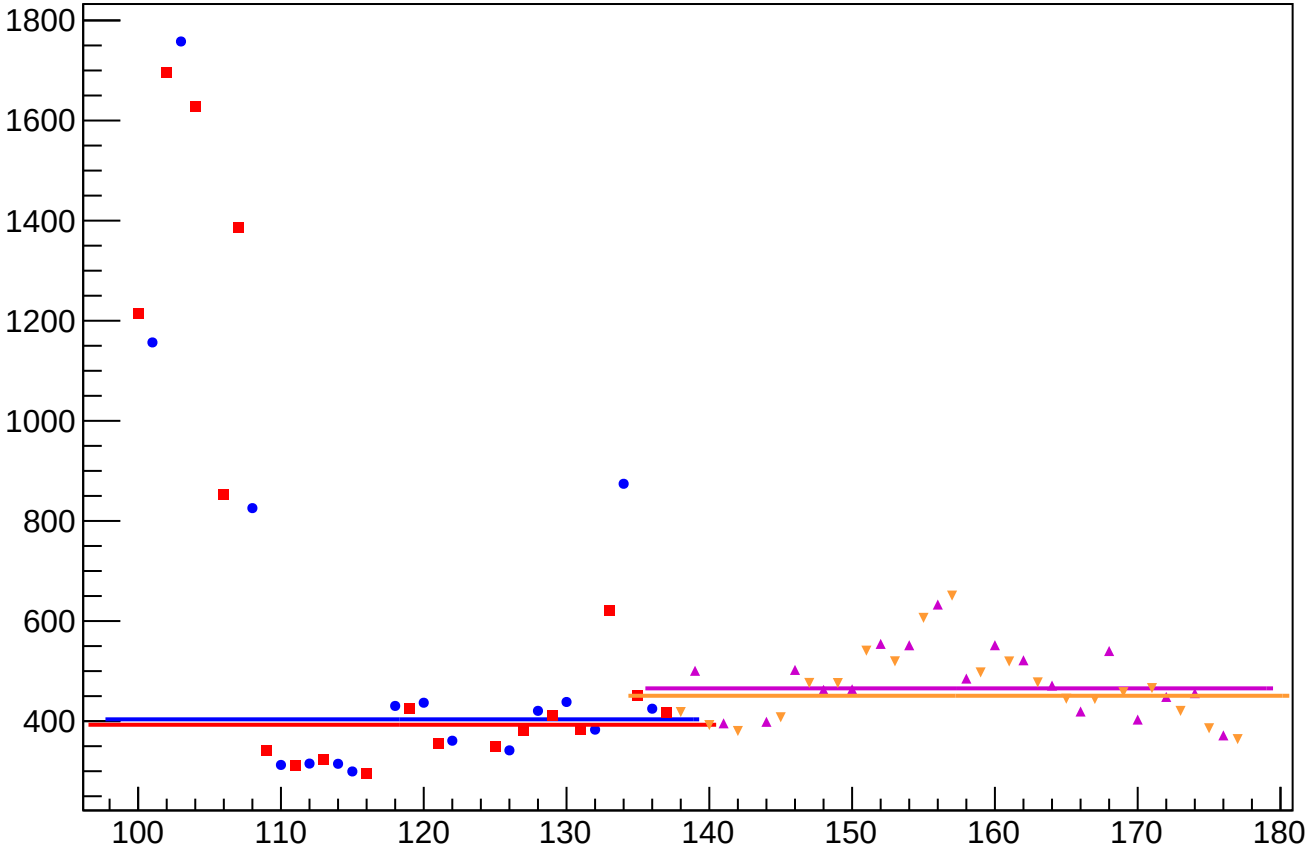
Right: 149.246+/-113.360 χ^2/NDF: 36.0/33

In: 32.057+/-96.095 χ^2/NDF:42.5/34

Out: -147.276+/-93.058 χ^2/NDF:72.1/37

All: -60.489+/-66.850 χ^2/NDF: 116.4/72

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: 450.731+/-0.081 χ^2/NDF:640685.1/19

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

Left In: 465.521+/-0.084 χ^2/NDF:558871.2/18

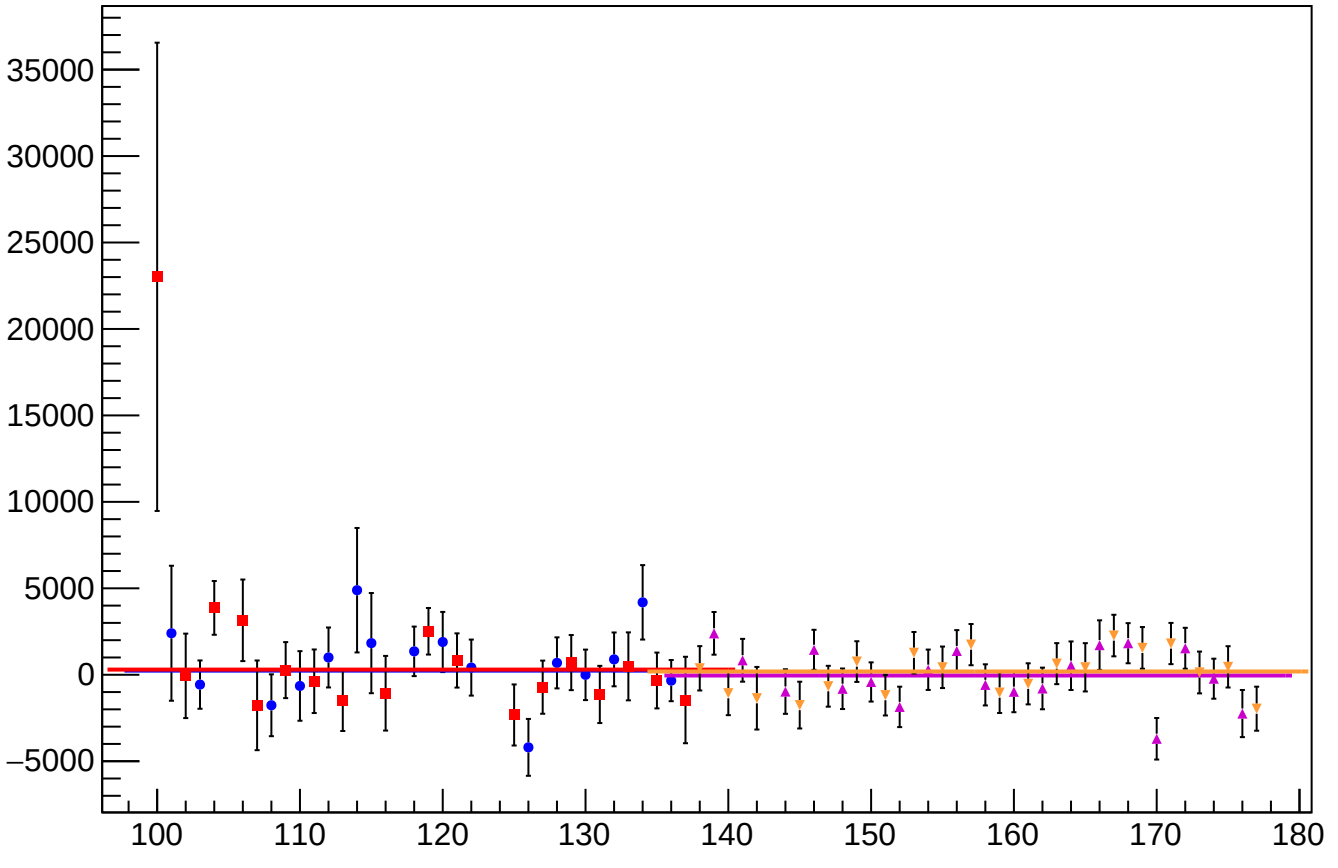
Left: 457.836+/-0.059 χ^2/NDF: 1215494.8/38

Right: 398.136+/-0.080 χ^2/NDF: 4137620.1/33

In: 443.711+/-0.068 χ^2/NDF:2677675.9/34

Out: 430.851+/-0.066 χ^2/NDF:3018751.0/37

All: 437.075+/-0.047 χ^2/NDF: 5714911.7/72



Right In: 240.829+/-426.592 χ^2/NDF: 17.0/15

Left Out: 190.587+/-276.594 χ^2/NDF:19.1/19

Right Out: 298.922+/-430.767 χ^2/NDF: 18.7/17

Left In: -42.379+/-278.923 χ^2/NDF:30.2/18

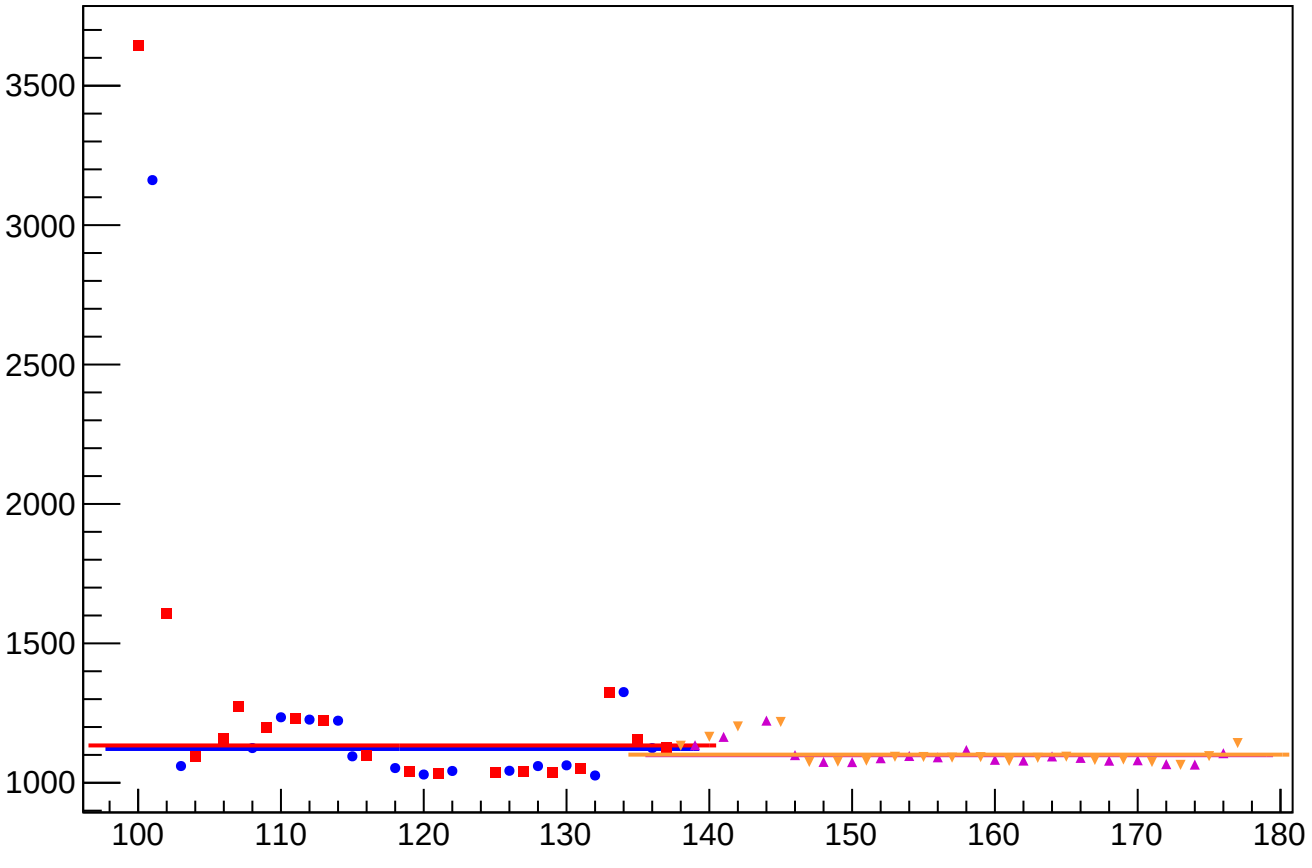
Left: 75.081+/-196.400 χ^2/NDF: 49.6/38

Right: 269.593+/-303.111 χ^2/NDF: 35.6/33

In: 42.436+/-233.451 χ^2/NDF:47.4/34

Out: 222.213+/-232.745 χ^2/NDF:37.8/37

All: 132.597+/-164.825 χ^2/NDF: 85.5/72



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1100.977+/-0.196 χ^2/NDF:37562.1/19

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1098.941+/-0.197 χ^2/NDF:33622.7/18

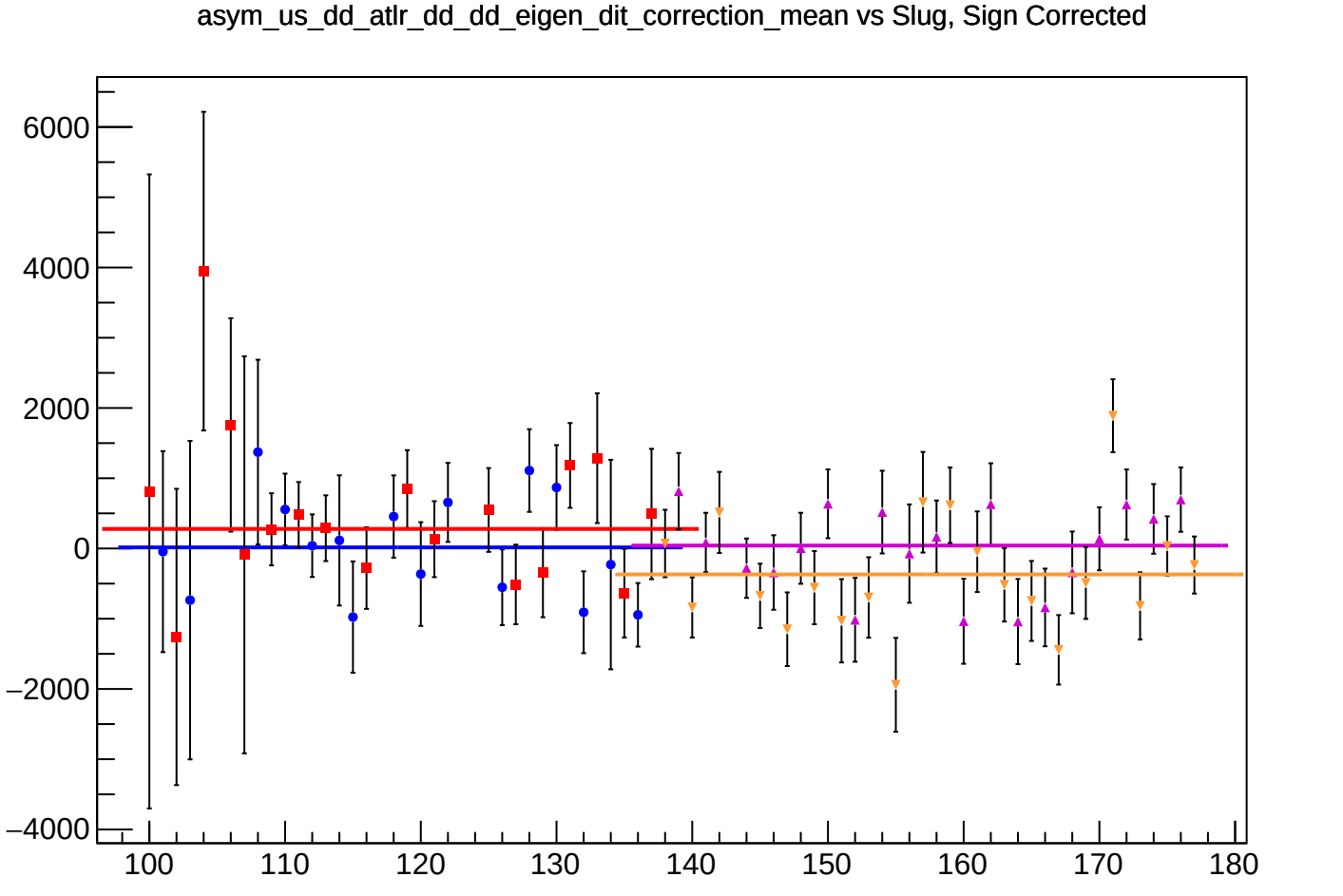
Left: 1099.967+/-0.139 χ^2/NDF: 71238.5/38

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

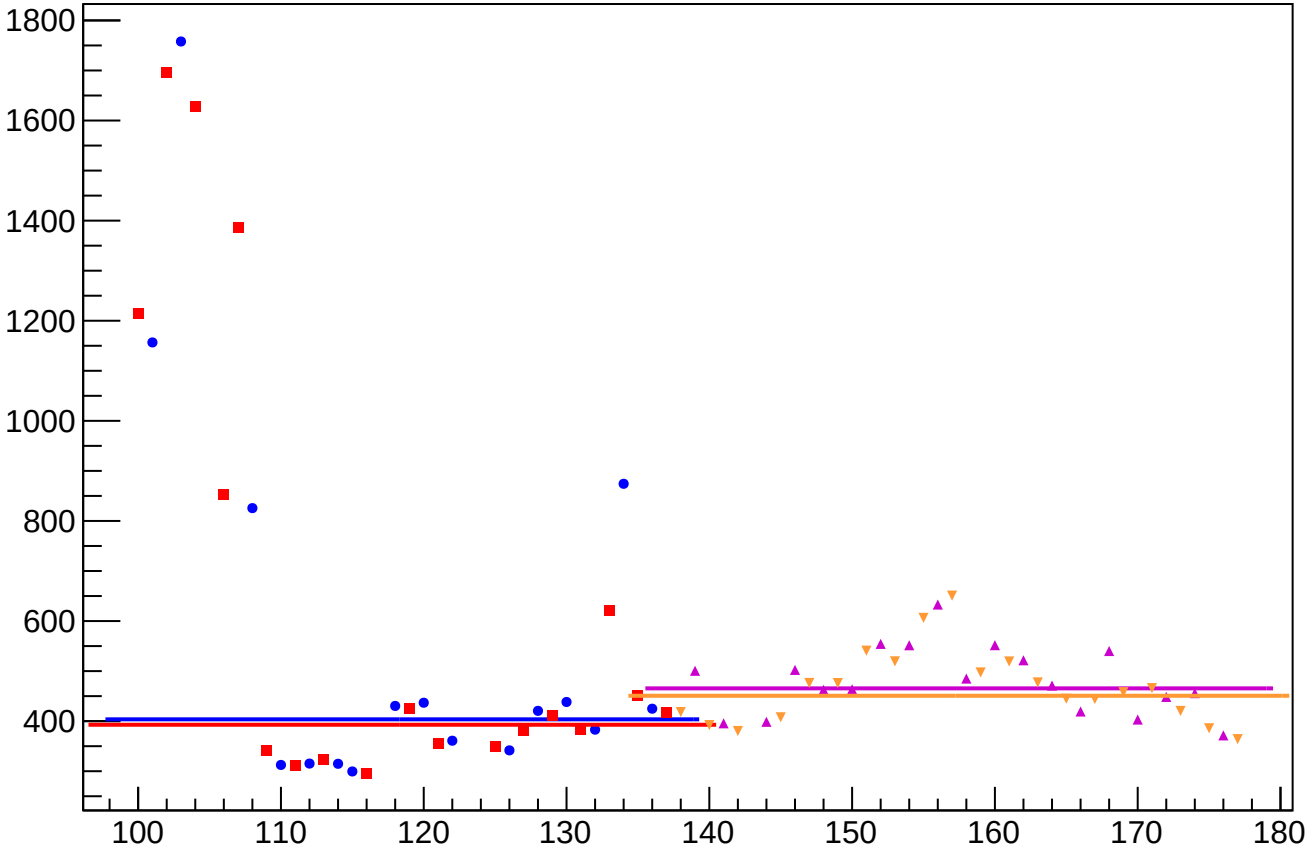
In: 1105.635+/-0.165 χ^2/NDF:654497.9/34

Out: 1110.597+/-0.165 χ^2/NDF:273306.1/37

All: 1108.123+/-0.117 χ^2/NDF: 928257.1/72


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: -369.714+/-114.832 χ²/NDF:46.1/19
Right Out: 278.249+/-158.826 χ²/NDF: 15.1/17
Left In: 41.186+/-119.425 χ²/NDF:22.9/18
Left: -172.316+/-82.775 χ²/NDF: 75.1/38
Right: 149.243+/-113.359 χ²/NDF: 36.0/33
In: 32.056+/-96.095 χ²/NDF:42.5/34
Out: -147.276+/-93.058 χ²/NDF:72.1/37
All: -60.489+/-66.850 χ²/NDF: 116.4/72

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: 450.731+/-0.081 χ^2/NDF:640704.2/19

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

Left In: 465.521+/-0.084 χ^2/NDF:558881.1/18

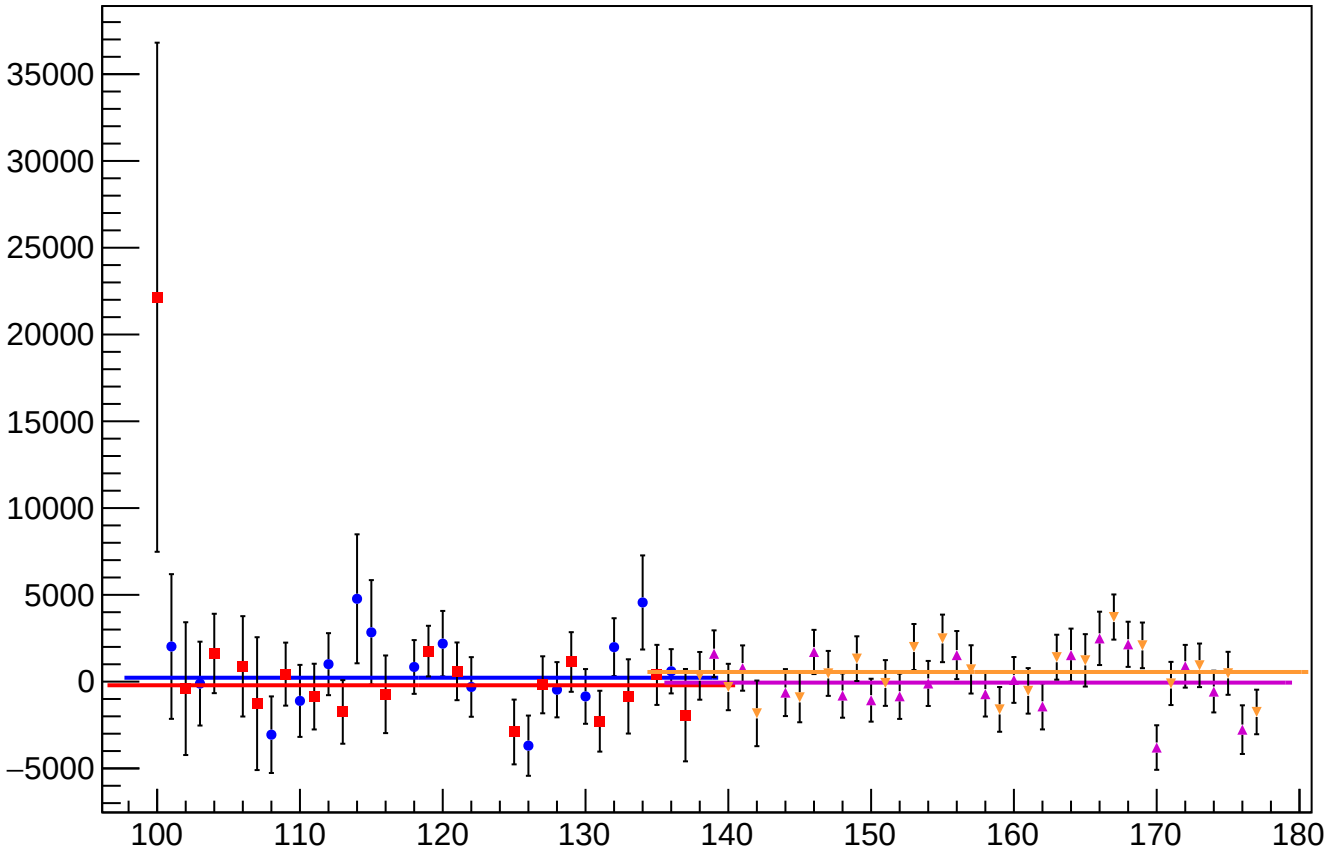
Left: 457.836+/-0.059 χ^2/NDF: 1215524.8/38

Right: 398.133+/-0.080 χ^2/NDF: 4137623.7/33

In: 443.710+/-0.068 χ^2/NDF:2677705.5/34

Out: 430.850+/-0.066 χ^2/NDF:3018797.8/37

All: 437.074+/-0.047 χ^2/NDF: 5714988.9/72



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: 555.578+/-299.134 χ^2/NDF:21.8/19

Right Out: -209.751+/-477.820 χ^2/NDF: 11.0/17

Left In: -57.184+/-302.635 χ^2/NDF:27.8/18

Left: 252.762+/-212.747 χ^2/NDF: 51.7/38

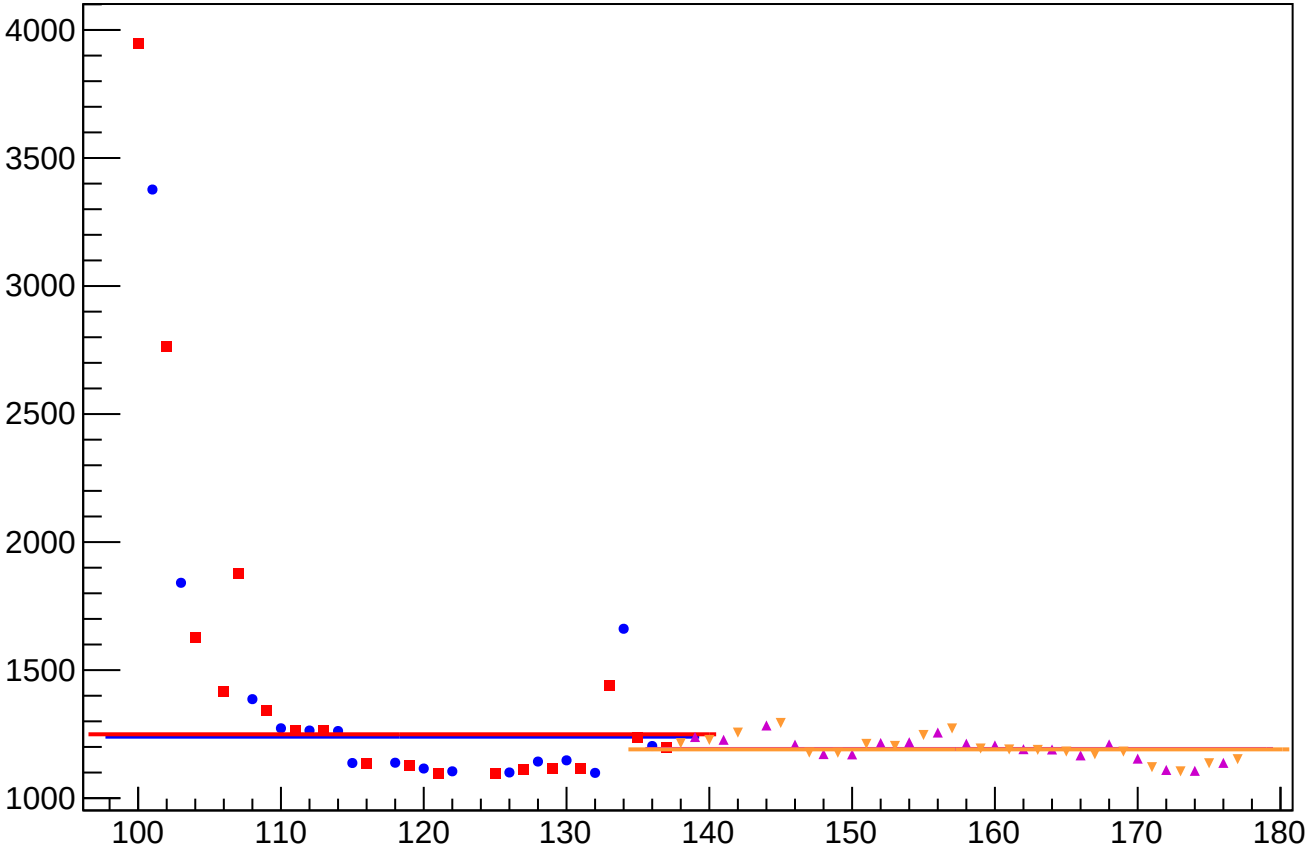
Right: 9.021+/-336.711 χ^2/NDF: 27.5/33

In: 24.345+/-255.165 χ^2/NDF:44.1/34

Out: 340.084+/-253.547 χ^2/NDF:34.6/37

All: 183.219+/-179.854 χ^2/NDF: 79.6/72

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: 1190.520+/-0.212 χ^2/NDF:48112.4/19

Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1192.101+/-0.214 χ^2/NDF:45566.0/18

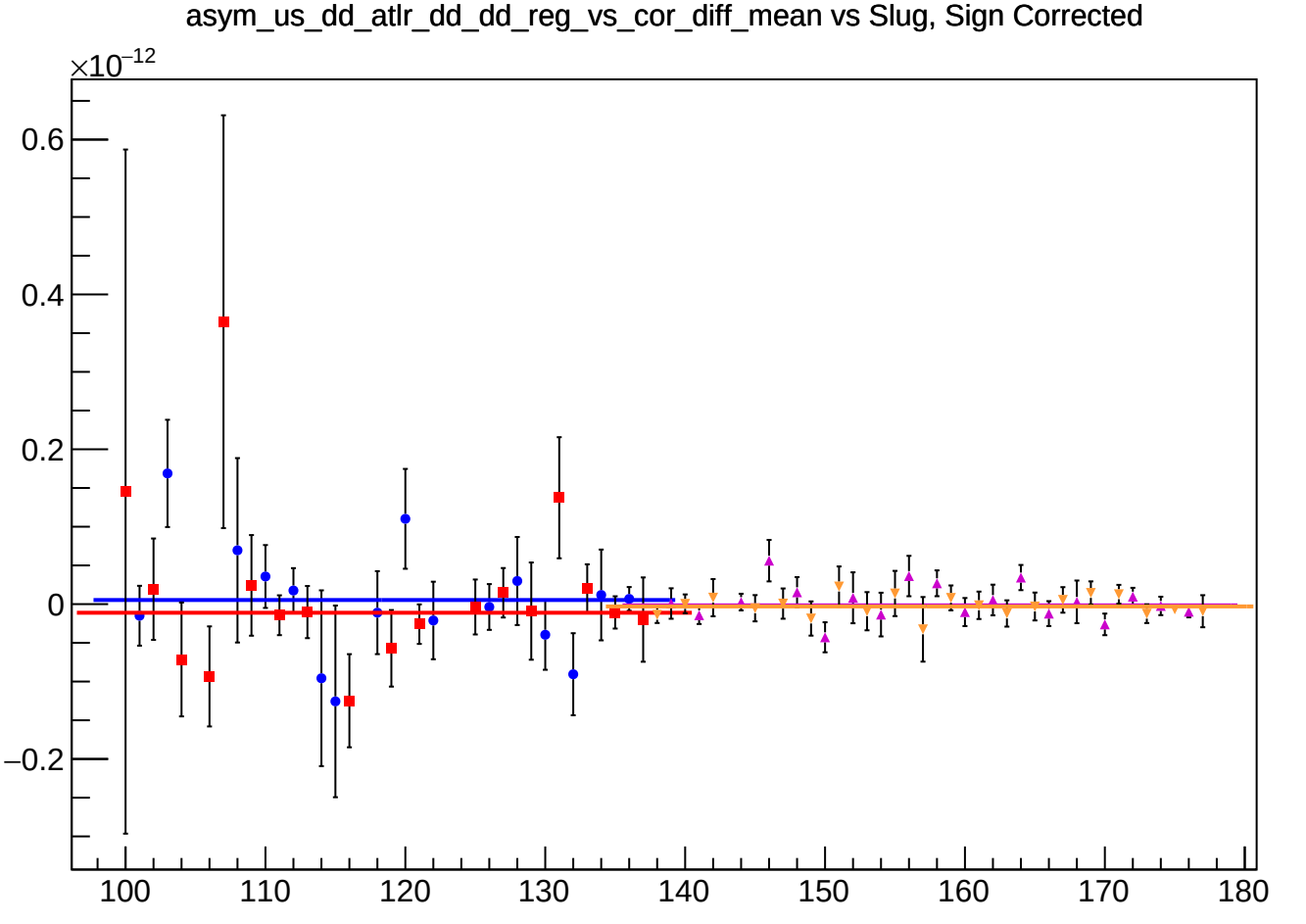
Left: 1191.302+/-0.150 χ^2/NDF: 93706.0/38

Right: 1244.743+/-0.238 χ^2/NDF: 1389157.9/33

In: 1205.990+/-0.180 χ^2/NDF:842814.8/34

Out: 1207.102+/-0.179 χ^2/NDF:676037.4/37

All: 1206.549+/-0.127 χ^2/NDF: 1518871.3/72



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.9/19

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

Left In: -0.000+/-0.000 χ^2/NDF:27.7/18

Left: -0.000+/-0.000 χ^2/NDF: 36.7/38

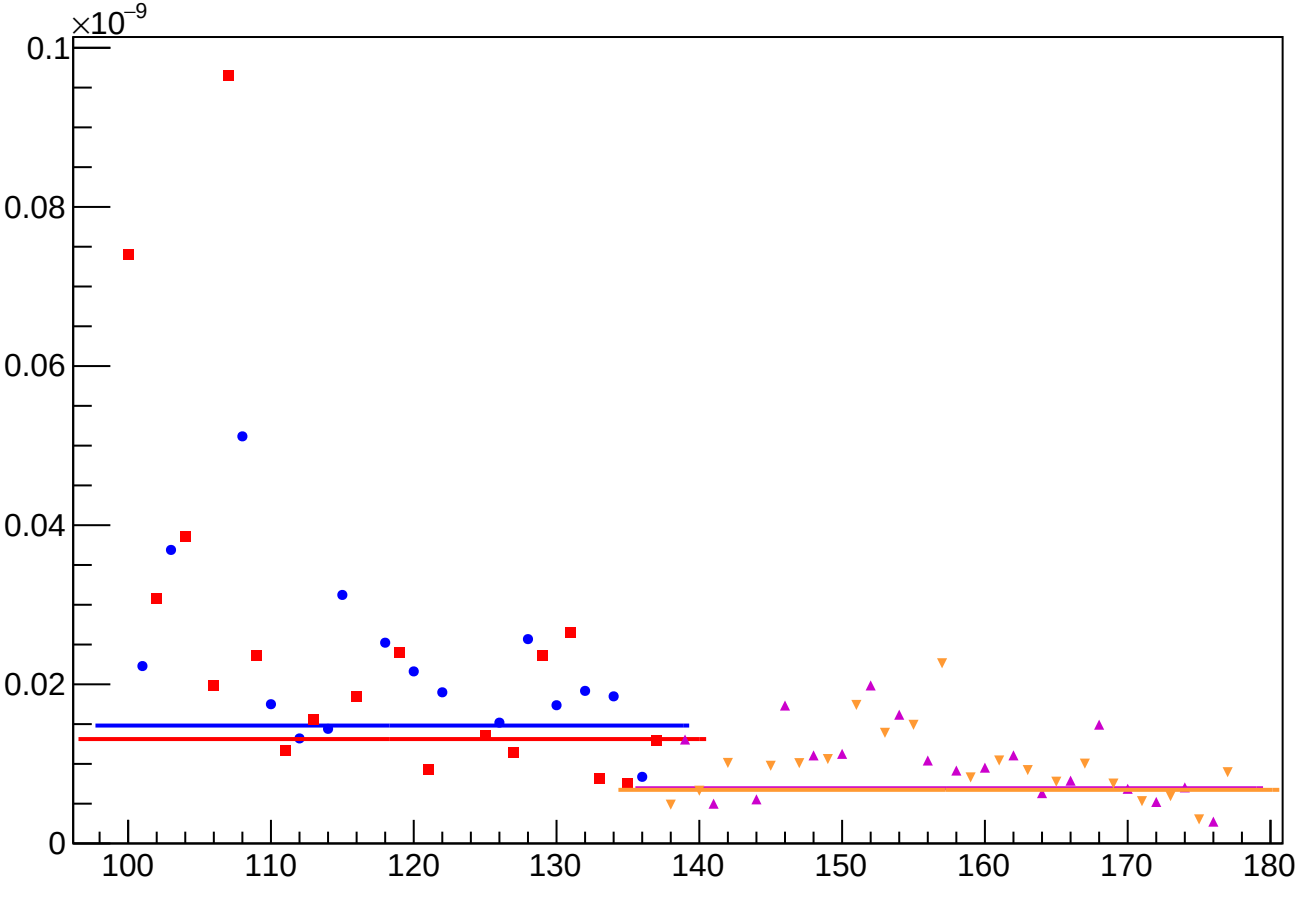
Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: -0.000+/-0.000 χ^2/NDF:44.5/34

Out: -0.000+/-0.000 χ^2/NDF:24.6/37

All: -0.000+/-0.000 χ^2/NDF: 69.6/72

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:2259374.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1181949.6/17

Left In: 0.000+/-0.000 χ^2/NDF:2389040.6/18

Left: 0.000+/-0.000 χ^2/NDF: 4651995.1/38

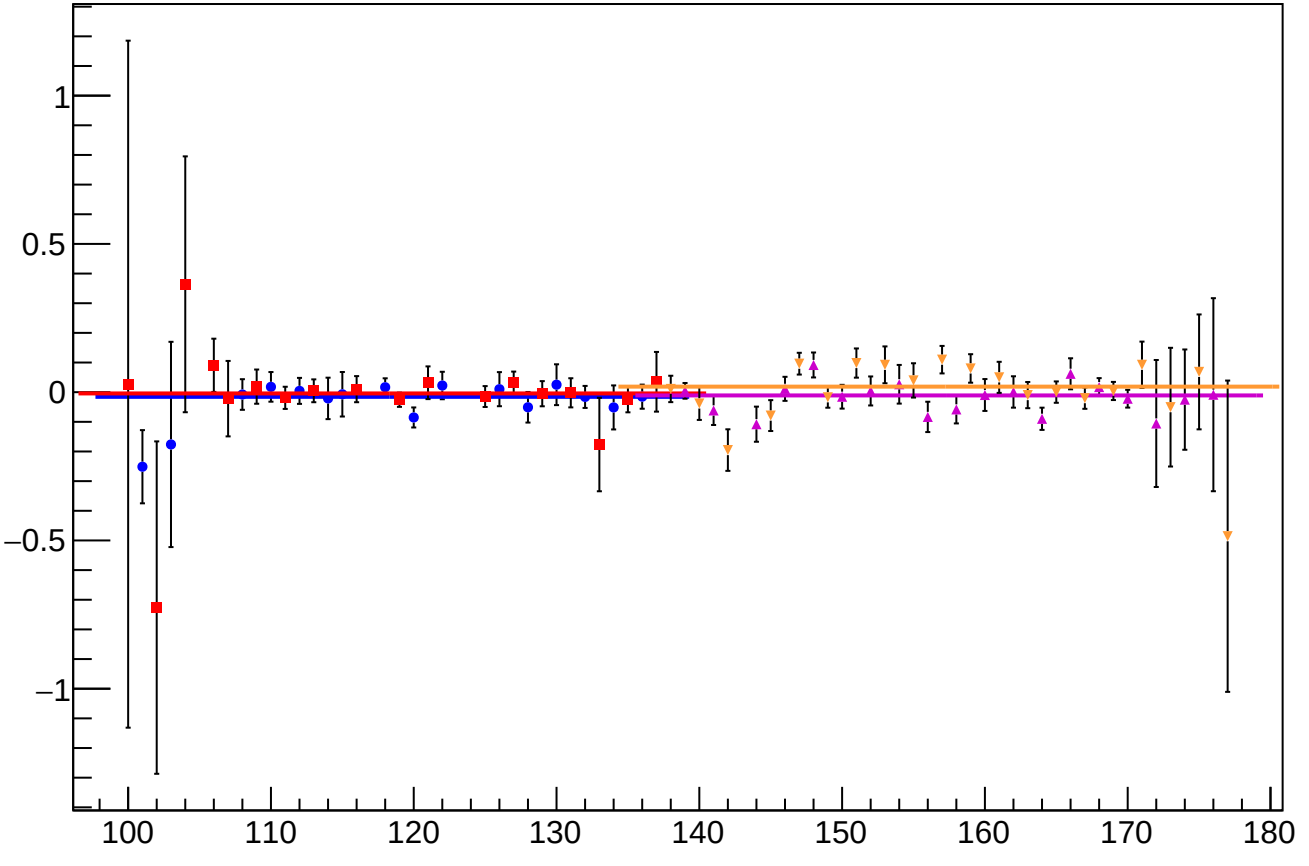
Right: 0.000+/-0.000 χ^2/NDF: 2295265.5/33

In: 0.000+/-0.000 χ^2/NDF:4656212.8/34

Out: 0.000+/-0.000 χ^2/NDF:4268735.1/37

All: 0.000+/-0.000 χ^2/NDF: 8939780.3/72

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:33.4/19

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.011+/-0.010 χ^2/NDF:21.4/18

Left: 0.003+/-0.007 χ^2/NDF: 58.8/38

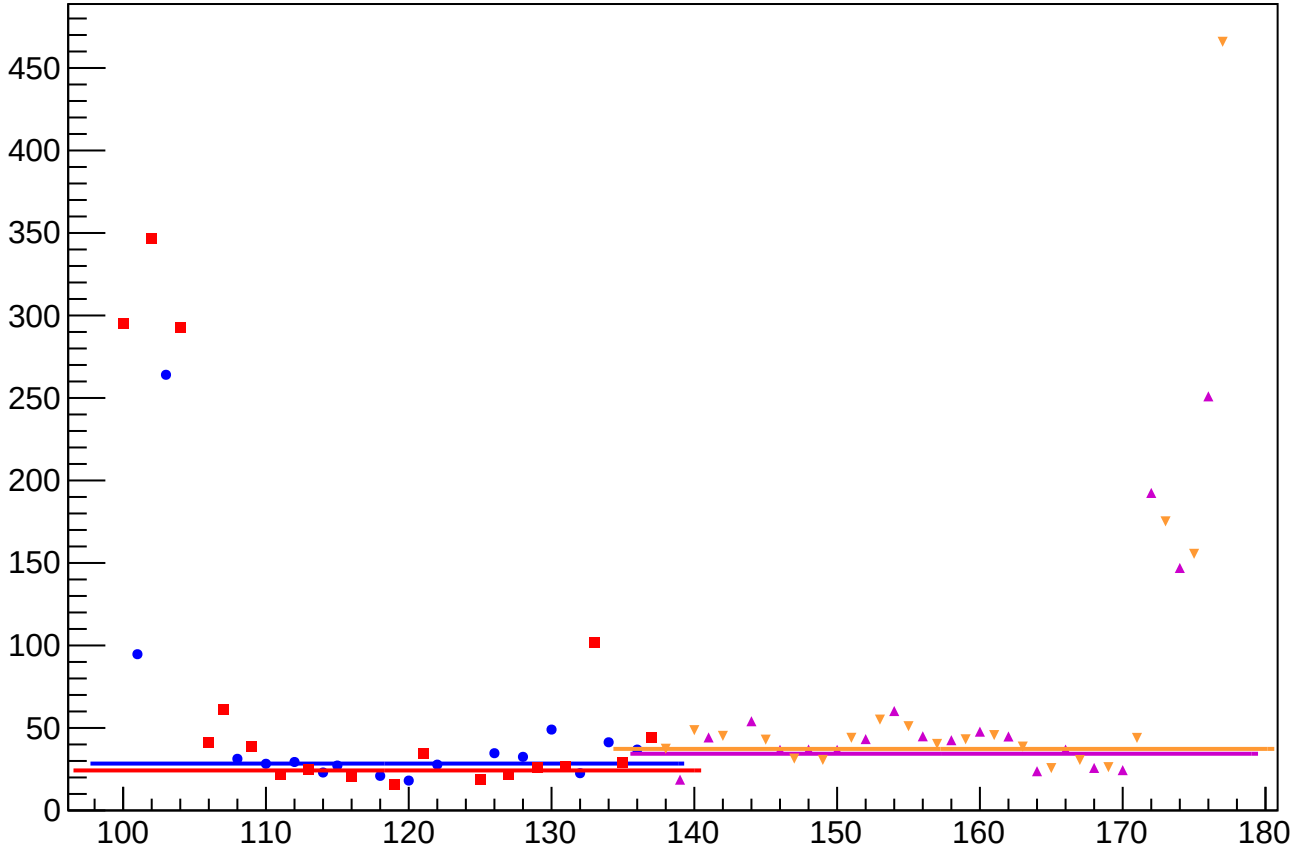
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:33.4/34

Out: 0.008+/-0.008 χ^2/NDF:43.4/37

All: -0.002+/-0.006 χ^2/NDF: 80.3/72

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 37.310+/-0.008 χ^2/NDF:4241595.0/19

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 34.369+/-0.007 χ^2/NDF:5165037.5/18

Left: 35.763+/-0.005 χ^2/NDF: 9484273.5/38

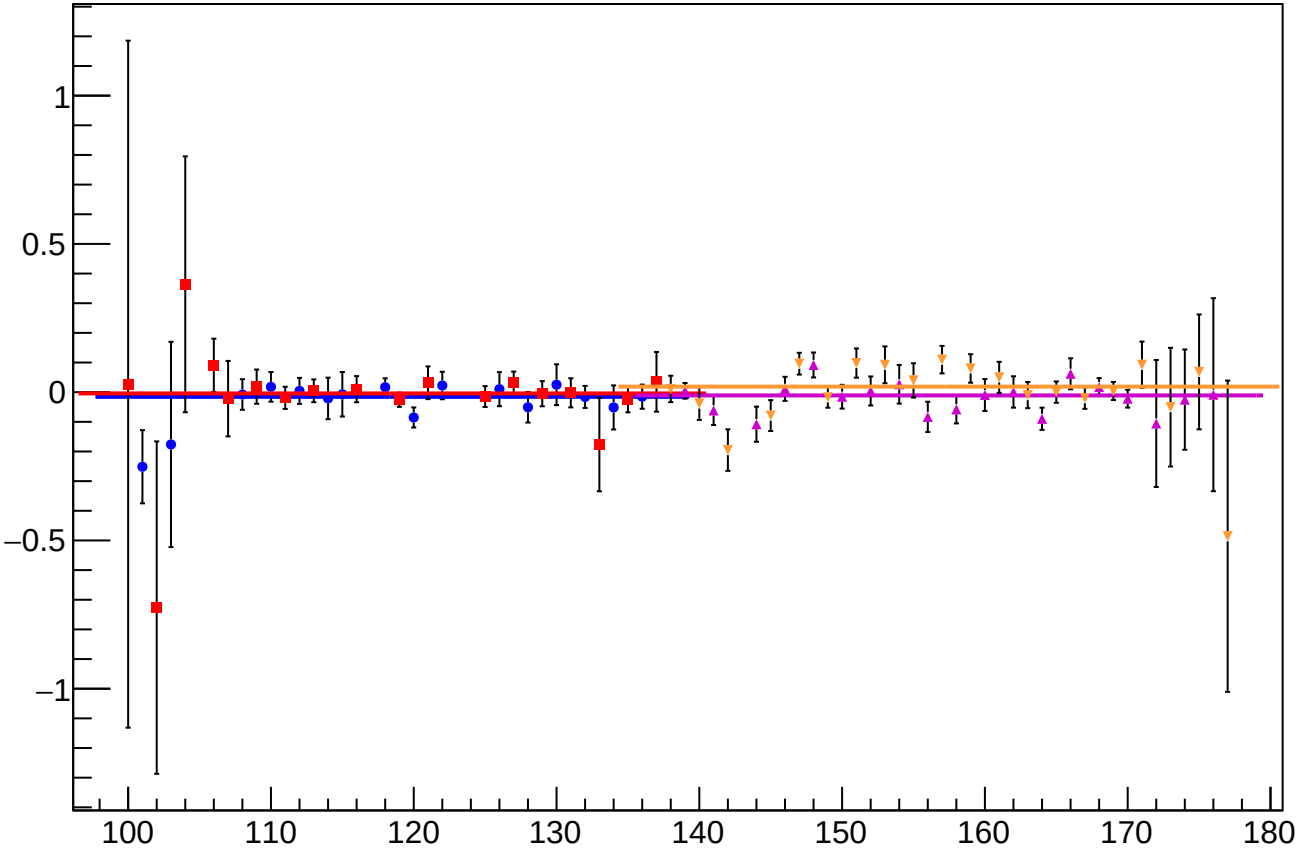
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 31.920+/-0.006 χ^2/NDF:7686717.6/34

Out: 31.140+/-0.006 χ^2/NDF:8529077.8/37

All: 31.529+/-0.004 χ^2/NDF: 16225604.9/72

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:33.4/19

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.011+/-0.010 χ^2/NDF:21.4/18

Left: 0.003+/-0.007 χ^2/NDF: 58.8/38

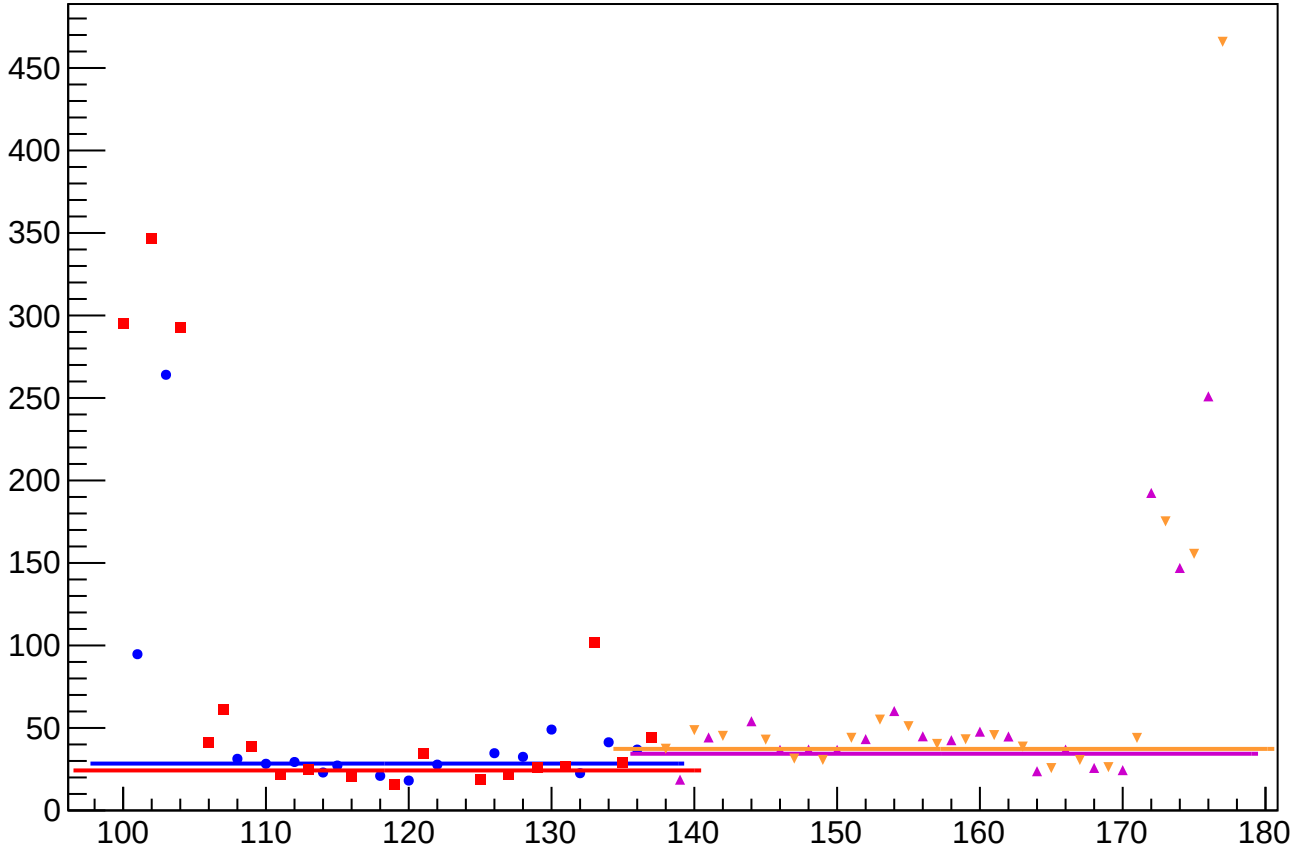
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:33.4/34

Out: 0.008+/-0.008 χ^2/NDF:43.4/37

All: -0.002+/-0.006 χ^2/NDF: 80.3/72

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: 37.310+/-0.008 χ^2/NDF:4241595.0/19

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 34.369+/-0.007 χ^2/NDF:5165037.5/18

Left: 35.763+/-0.005 χ^2/NDF: 9484273.5/38

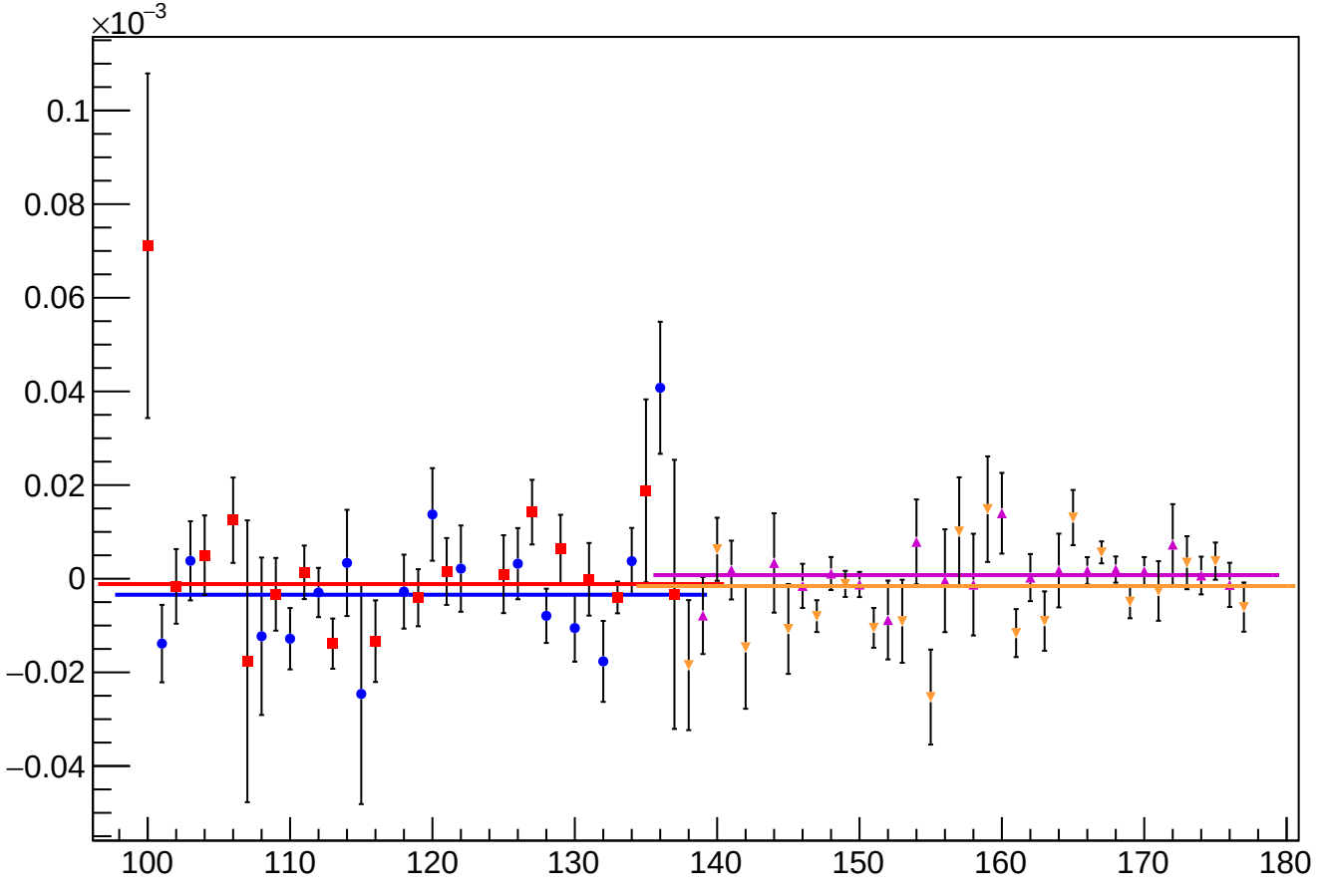
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 31.920+/-0.006 χ^2/NDF:7686717.6/34

Out: 31.140+/-0.006 χ^2/NDF:8529077.8/37

All: 31.529+/-0.004 χ^2/NDF: 16225604.9/72

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:47.1/19

Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/17

Left In: 0.000+/-0.000 χ^2/NDF:7.4/18

Left: -0.000+/-0.000 χ^2/NDF: 57.0/38

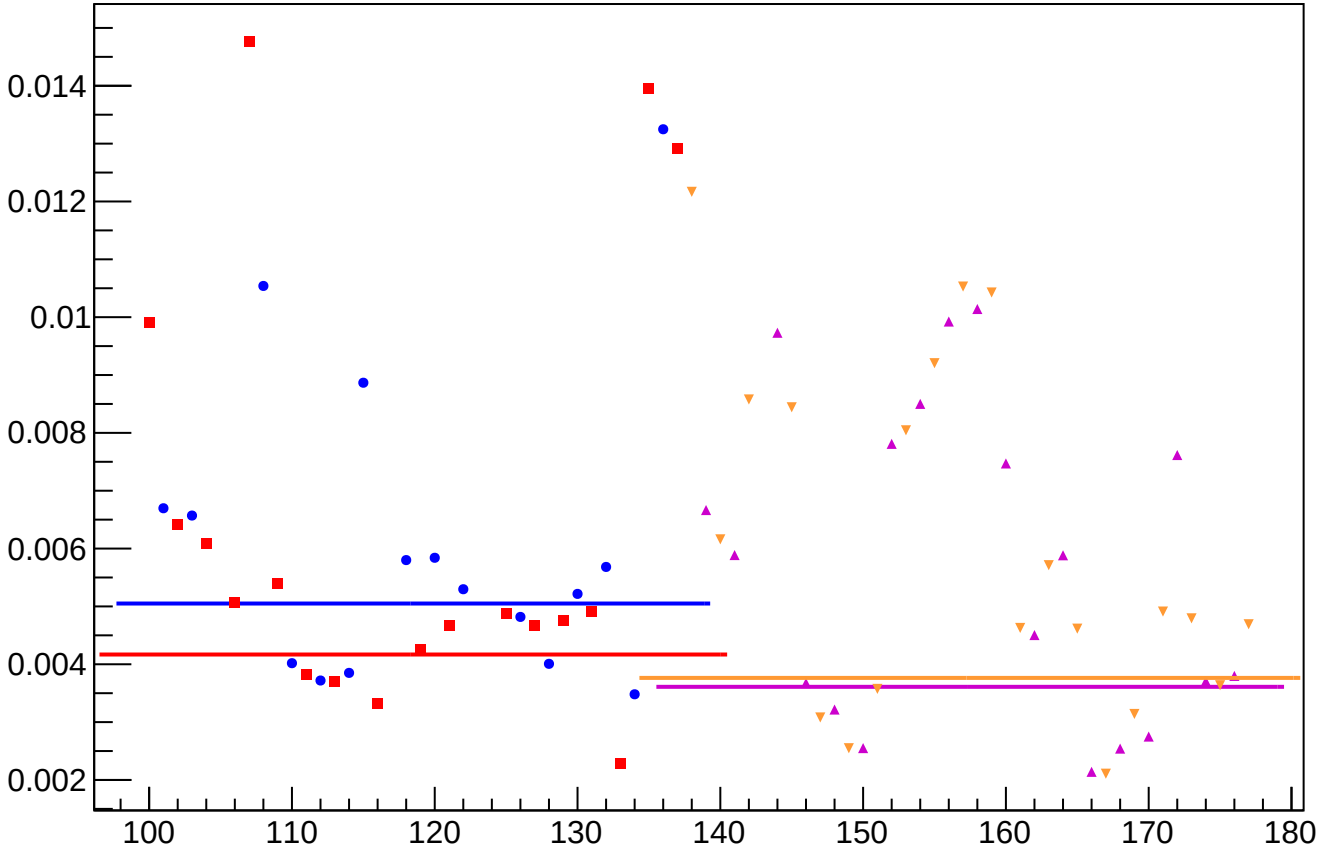
Right: -0.000+/-0.000 χ^2/NDF: 48.9/33

In: -0.000+/-0.000 χ^2/NDF:35.9/34

Out: -0.000+/-0.000 χ^2/NDF:70.1/37

All: -0.000+/-0.000 χ^2/NDF: 107.1/72

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:6158014.1/19

Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.004+/-0.000 χ^2/NDF:6029224.4/18

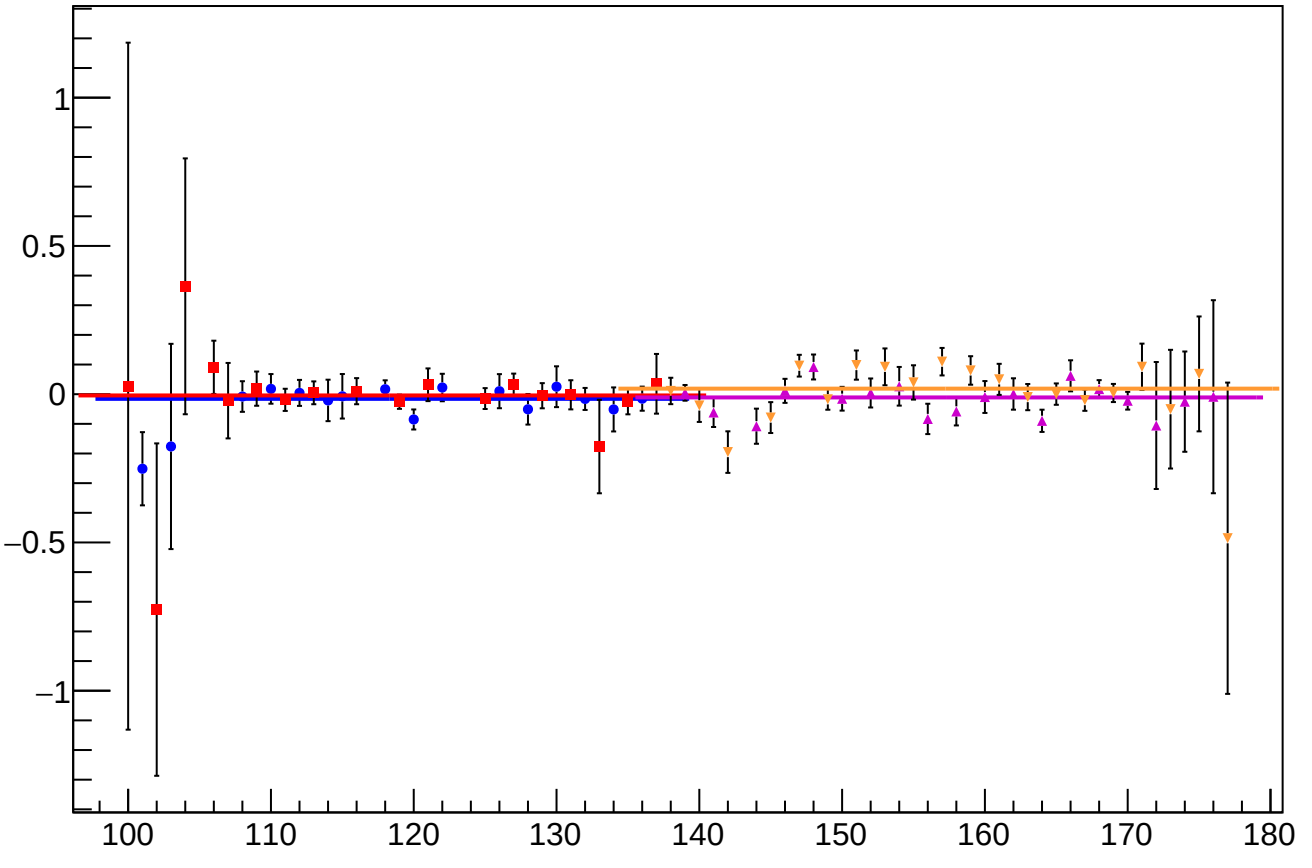
Left: 0.004+/-0.000 χ^2/NDF: 12208155.4/38

Right: 0.005+/-0.000 χ^2/NDF: 3758667.6/33

In: 0.004+/-0.000 χ^2/NDF:8318784.4/34

Out: 0.004+/-0.000 χ^2/NDF:8280766.3/37

All: 0.004+/-0.000 χ^2/NDF: 16601226.3/72



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:33.4/19

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.011+/-0.010 χ^2/NDF:21.4/18

Left: 0.003+/-0.007 χ^2/NDF: 58.8/38

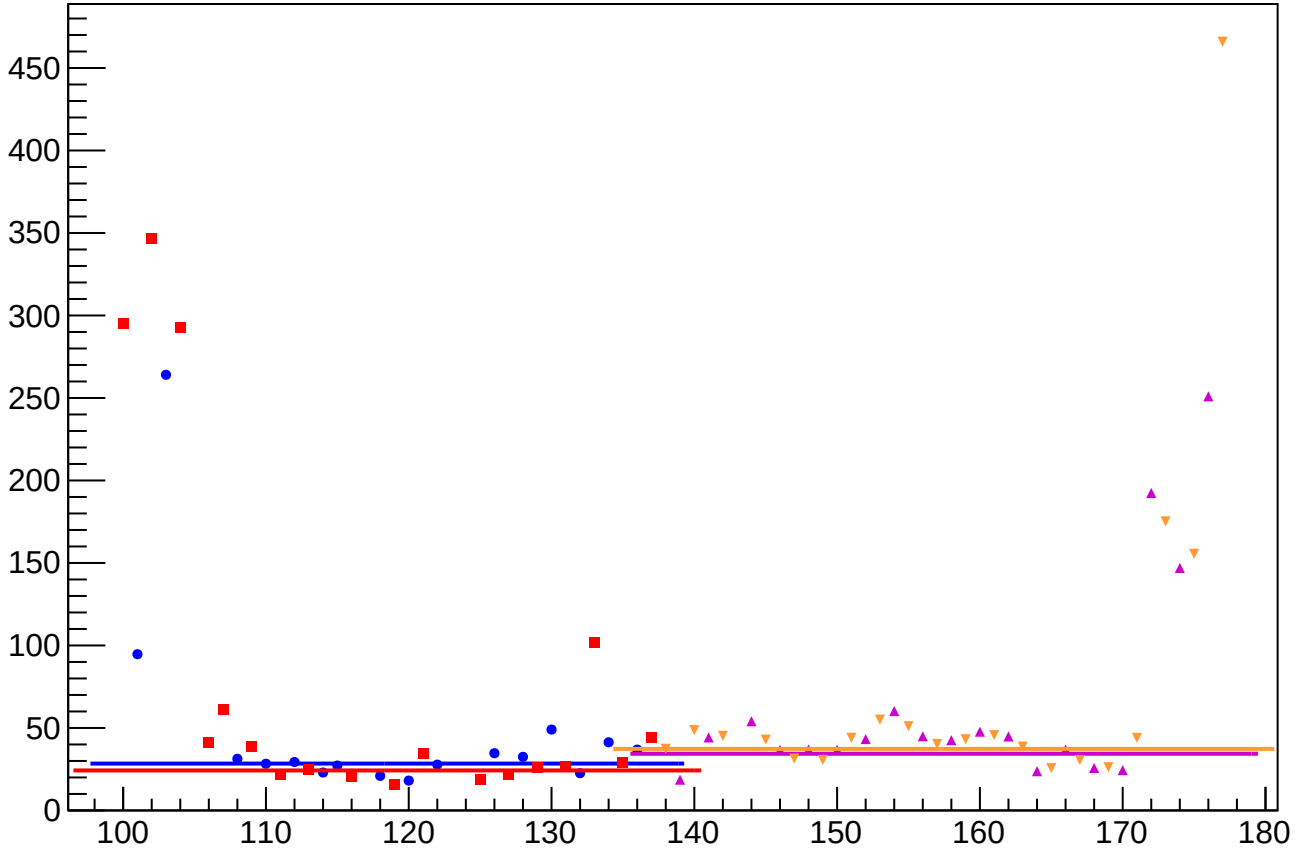
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:33.4/34

Out: 0.008+/-0.008 χ^2/NDF:43.4/37

All: -0.002+/-0.006 χ^2/NDF: 80.3/72

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: 37.310+/-0.008 χ^2/NDF:4241752.5/19

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 34.368+/-0.007 χ^2/NDF:5165451.2/18

Left: 35.763+/-0.005 χ^2/NDF: 9484843.6/38

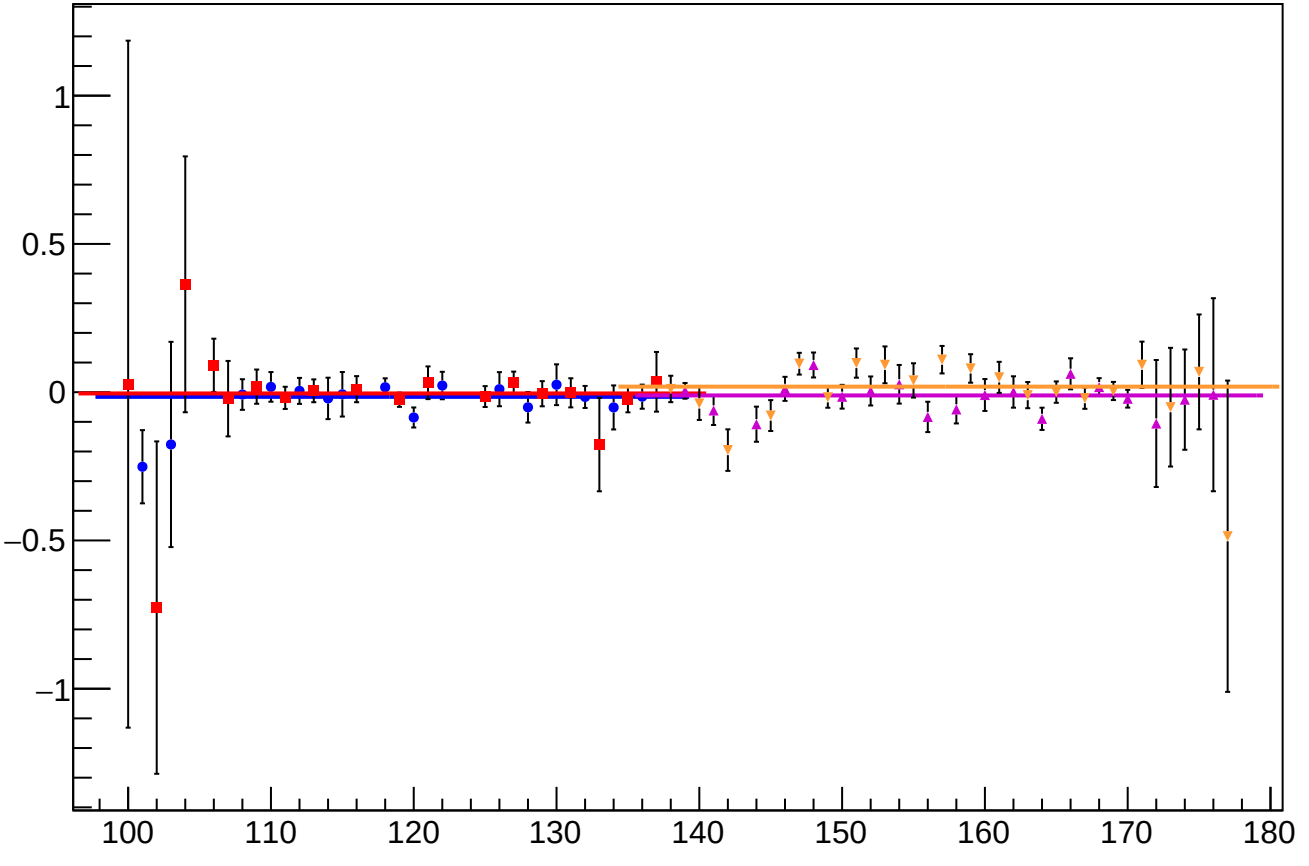
Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 31.920+/-0.006 χ^2/NDF:7687126.1/34

Out: 31.139+/-0.006 χ^2/NDF:8529801.9/37

All: 31.528+/-0.004 χ^2/NDF: 16226763.1/72

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:33.4/19

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.011+/-0.010 χ^2/NDF:21.4/18

Left: 0.003+/-0.007 χ^2/NDF: 58.8/38

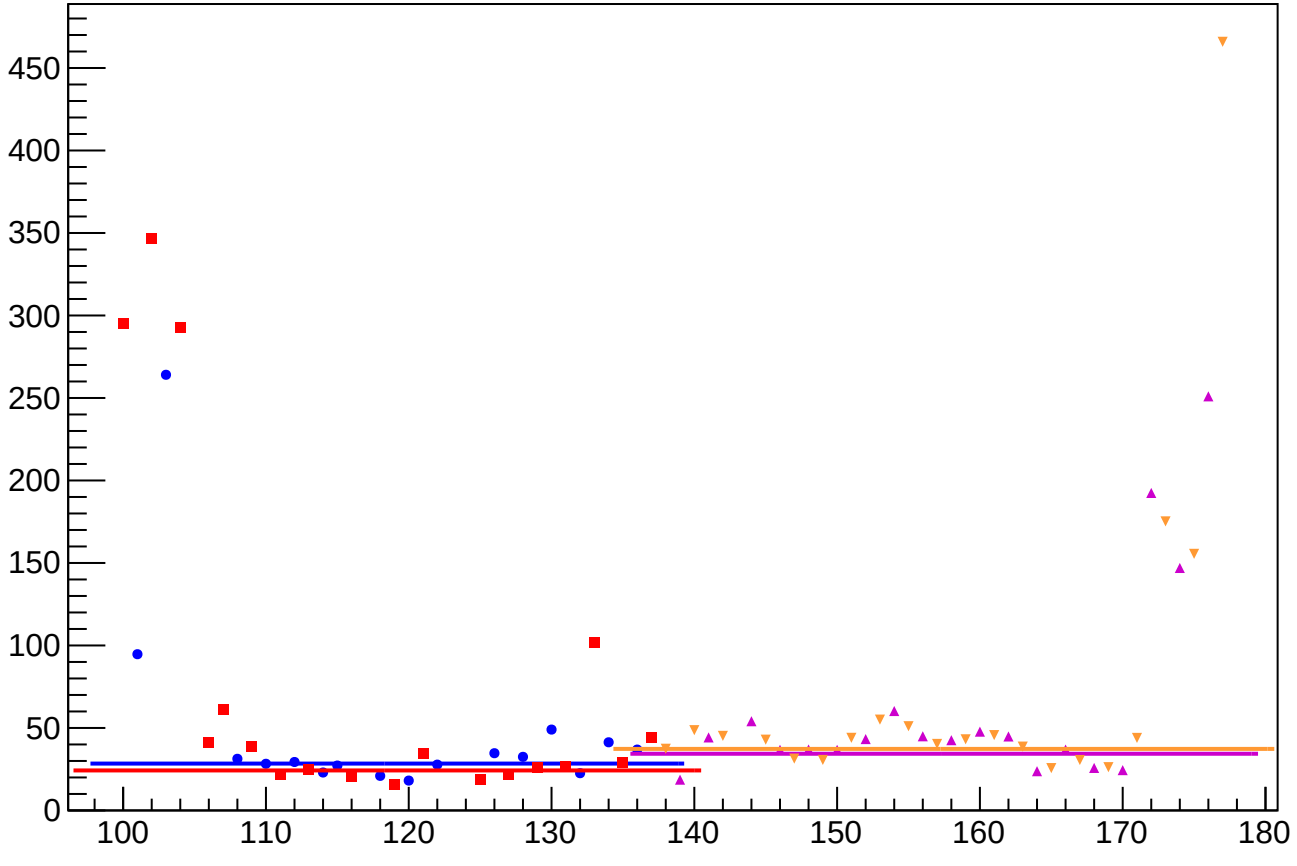
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:33.4/34

Out: 0.008+/-0.008 χ^2/NDF:43.4/37

All: -0.002+/-0.006 χ^2/NDF: 80.3/72

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: 37.310+/-0.008 χ^2/NDF:4241752.5/19

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 34.368+/-0.007 χ^2/NDF:5165451.2/18

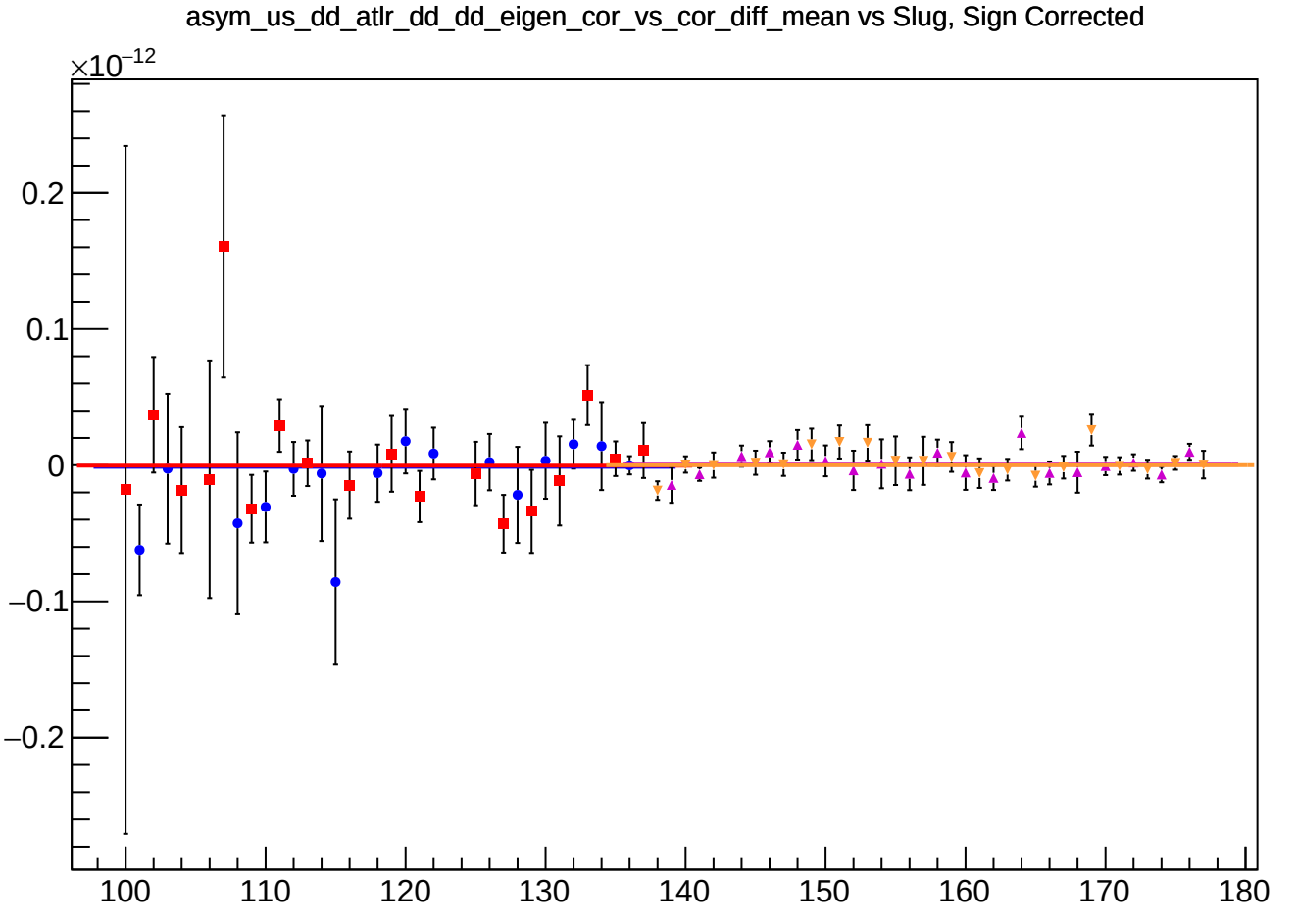
Left: 35.763+/-0.005 χ^2/NDF: 9484843.6/38

Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 31.920+/-0.006 χ^2/NDF:7687126.1/34

Out: 31.139+/-0.006 χ^2/NDF:8529801.9/37

All: 31.528+/-0.004 χ^2/NDF: 16226763.1/72



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.1/19

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: 0.000+/-0.000 χ^2/NDF:18.6/18

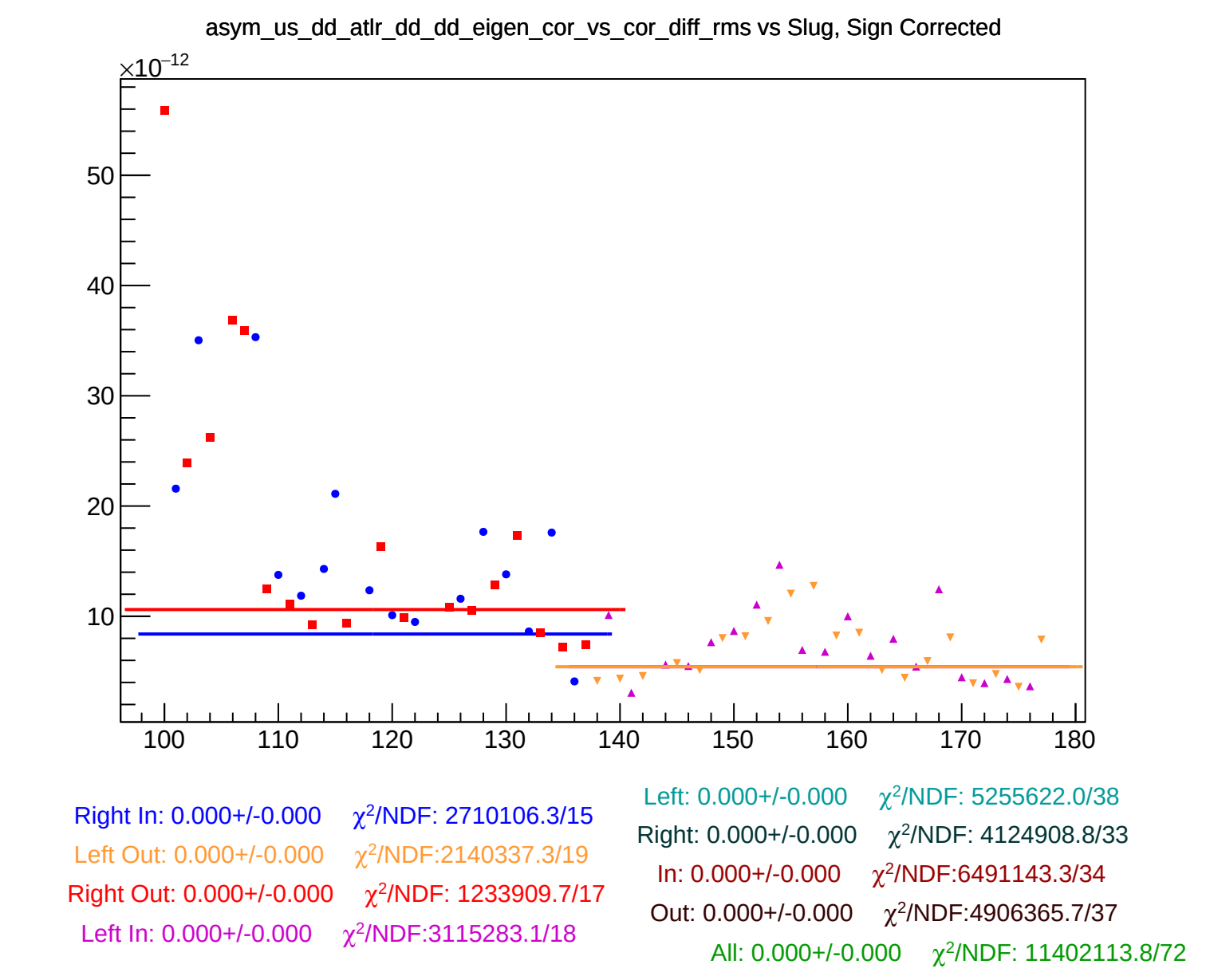
Left: 0.000+/-0.000 χ^2/NDF: 38.7/38

Right: -0.000+/-0.000 χ^2/NDF: 30.5/33

In: 0.000+/-0.000 χ^2/NDF:28.1/34

Out: -0.000+/-0.000 χ^2/NDF:41.2/37

All: 0.000+/-0.000 χ^2/NDF: 69.3/72


asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
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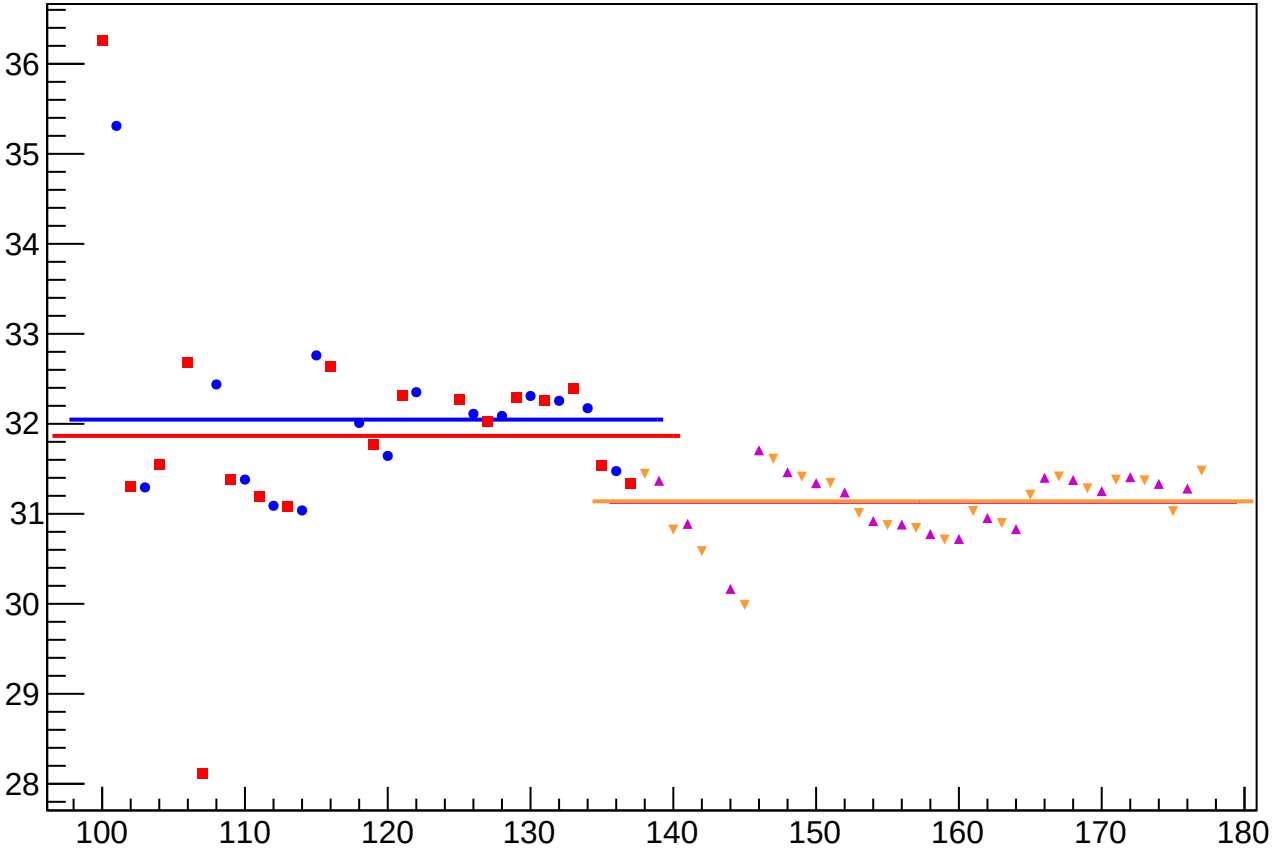
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2710106.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2140337.3/19
Right Out: 0.000+/-0.000 χ²/NDF: 1233909.7/17
Left In: 0.000+/-0.000 χ²/NDF:3115283.1/18
Left: 0.000+/-0.000 χ²/NDF: 5255622.0/38
Right: 0.000+/-0.000 χ²/NDF: 4124908.8/33
In: 0.000+/-0.000 χ²/NDF:6491143.3/34
Out: 0.000+/-0.000 χ²/NDF:4906365.7/37
All: 0.000+/-0.000 χ²/NDF: 11402113.8/72

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.139+/-0.000 χ^2/NDF:284409163.3/19

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

Left In: 31.131+/-0.000 χ^2/NDF:276501591.1/18

Left: 31.135+/-0.000 χ^2/NDF: 560981367.2/38

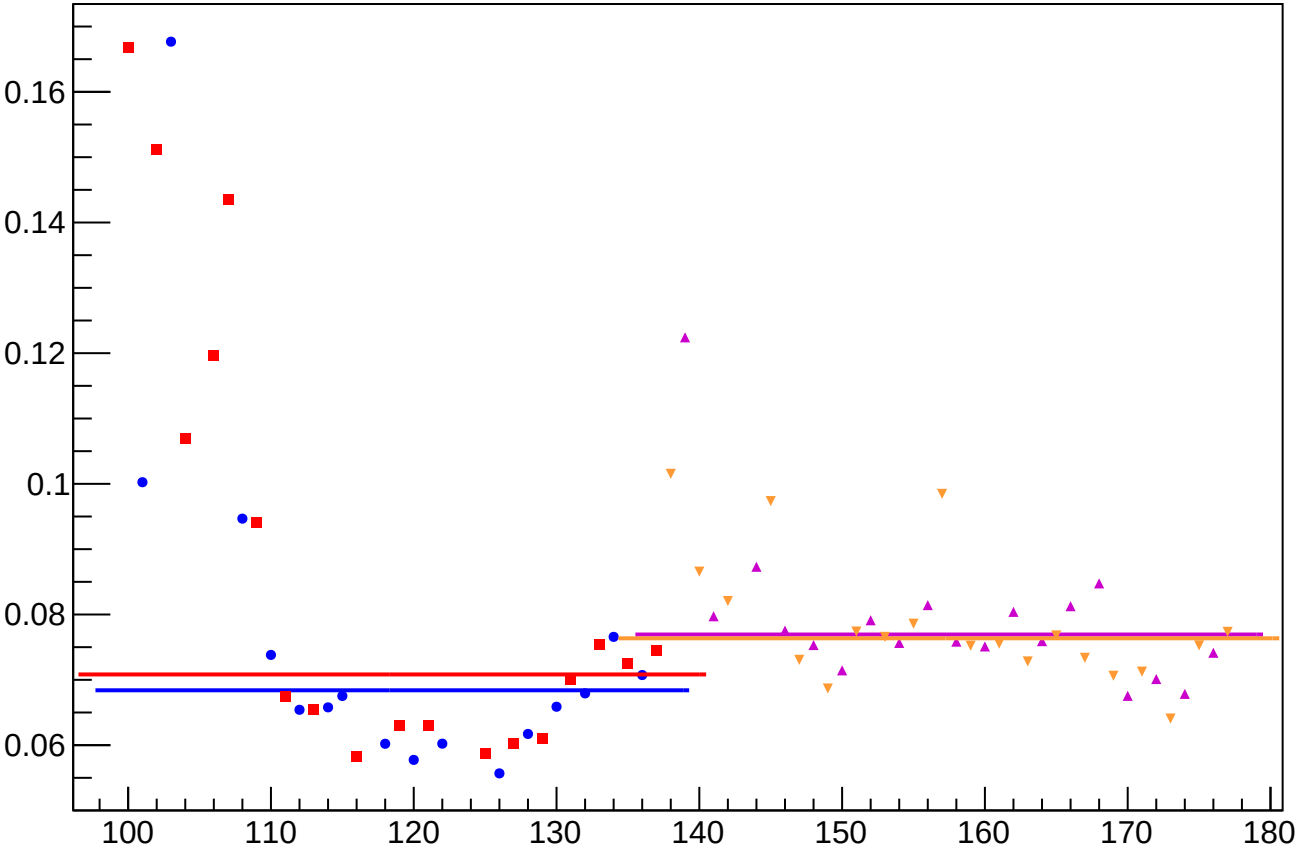
Right: 31.960+/-0.000 χ^2/NDF: 1405663241.1/33

In: 31.463+/-0.000 χ^2/NDF:1890654445.7/34

Out: 31.384+/-0.000 χ^2/NDF:1205317993.5/37

All: 31.423+/-0.000 χ^2/NDF: 3107486335.1/7

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:351873.8/19

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

Left In: 0.077+/-0.000 χ^2/NDF:353116.8/18

Left: 0.077+/-0.000 χ^2/NDF: 705794.4/38

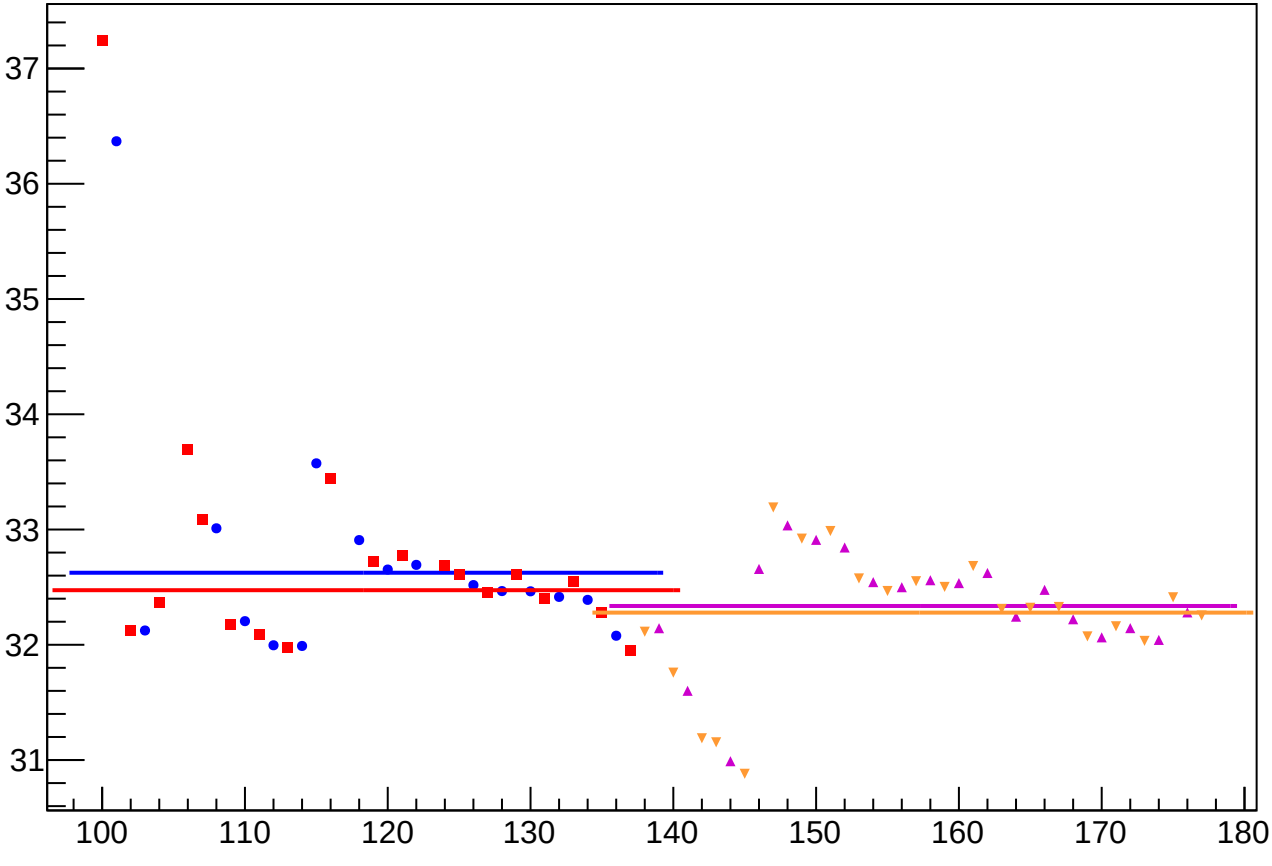
Right: 0.070+/-0.000 χ^2/NDF: 1579028.4/33

In: 0.074+/-0.000 χ^2/NDF:1180676.0/34

Out: 0.074+/-0.000 χ^2/NDF:1270468.9/37

All: 0.074+/-0.000 χ^2/NDF: 2452697.6/72

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.279+/-0.000 χ^2/NDF:794948323.6/20

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

Left In: 32.337+/-0.000 χ^2/NDF:575276865.2/18

Left: 32.307+/-0.000 χ^2/NDF: 1374304428.4/39

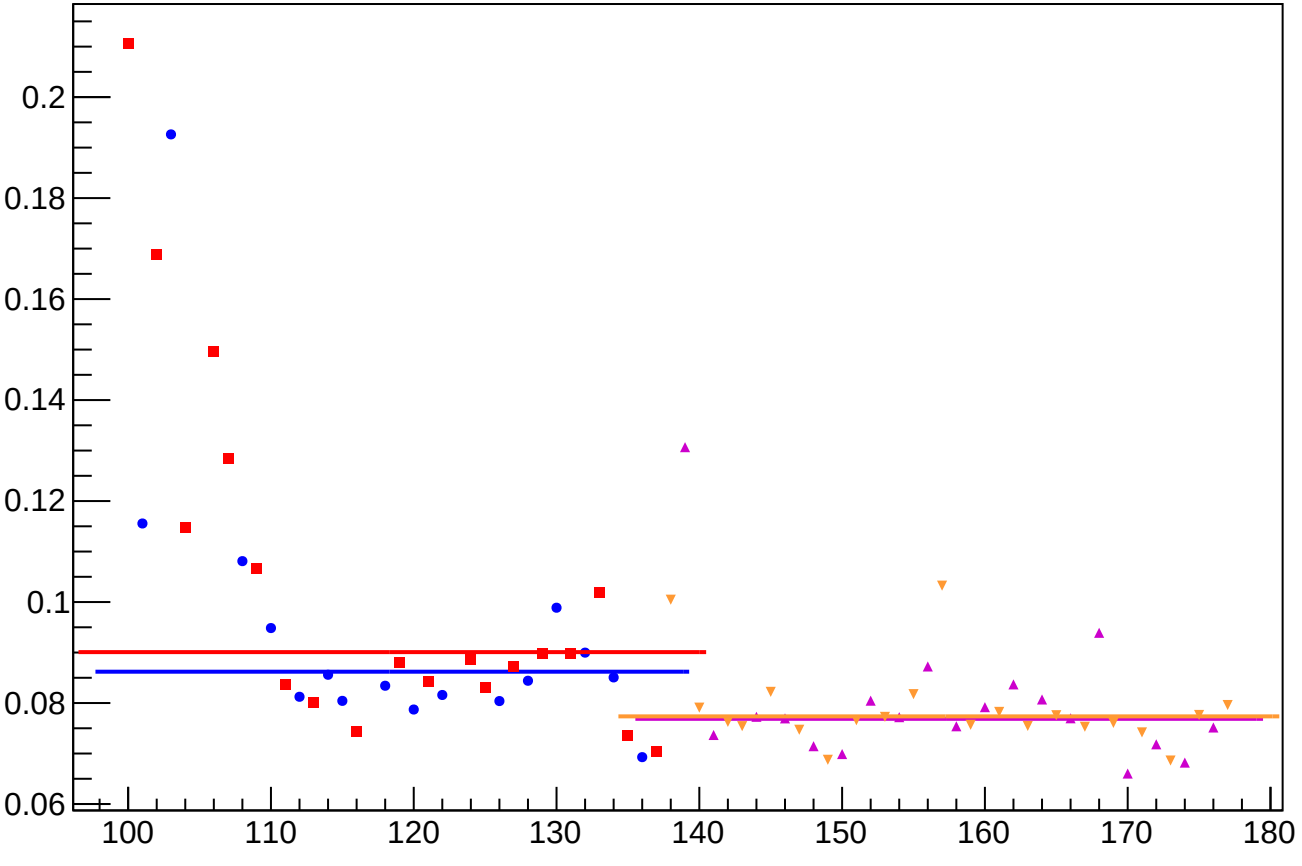
Right: 32.552+/-0.000 χ^2/NDF: 905331922.0/34

In: 32.412+/-0.000 χ^2/NDF:1366380803.0/34

Out: 32.326+/-0.000 χ^2/NDF:974607734.4/39

All: 32.368+/-0.000 χ^2/NDF: 2353170059.3/7

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:231158.5/20

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

Left In: 0.077+/-0.000 χ^2/NDF:472767.8/18

Left: 0.077+/-0.000 χ^2/NDF: 704509.0/39

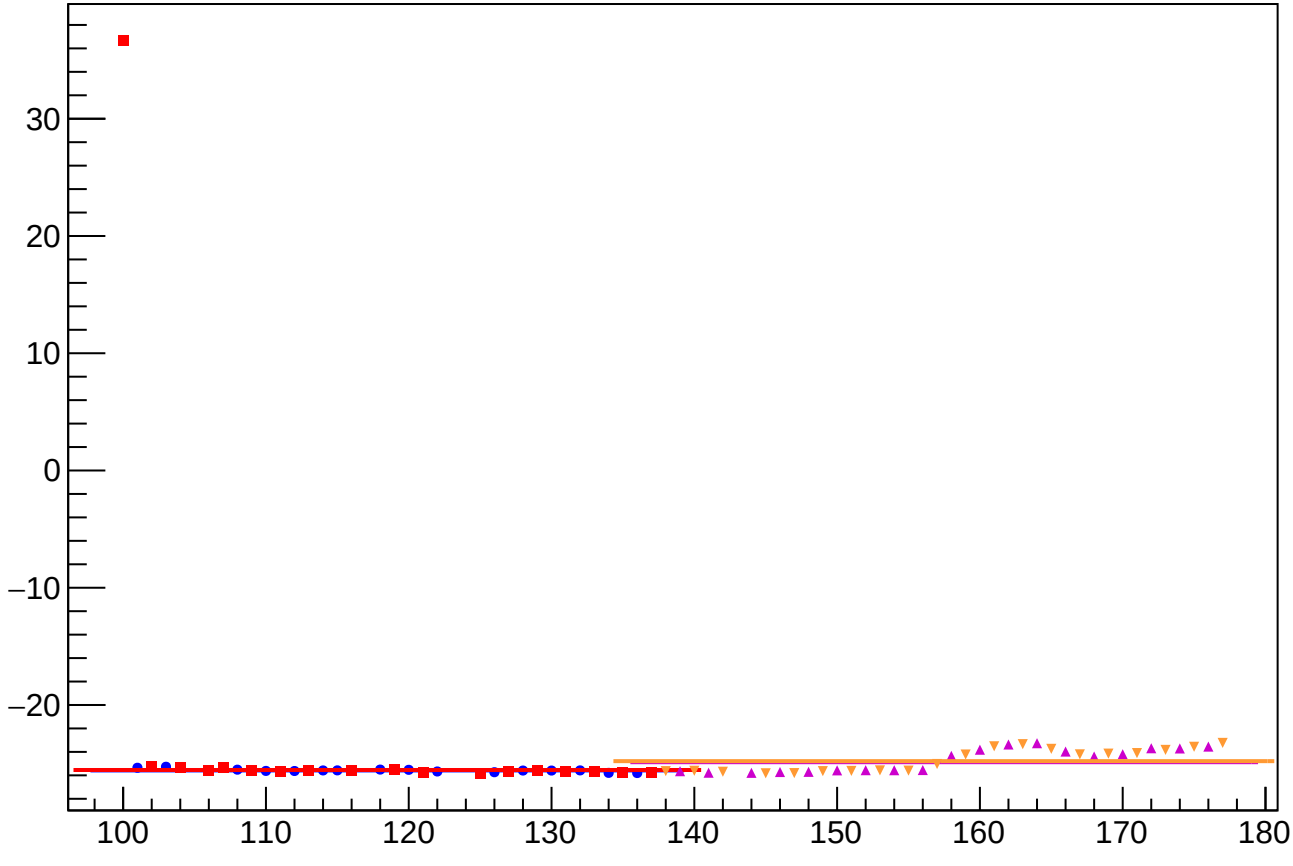
Right: 0.088+/-0.000 χ^2/NDF: 1232875.9/34

In: 0.079+/-0.000 χ^2/NDF:1180329.8/34

Out: 0.080+/-0.000 χ^2/NDF:1048695.5/39

All: 0.080+/-0.000 χ^2/NDF: 2232984.9/74

yield_dsl_mean vs Slug, Sign Corrected



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -24.789+/-0.000 χ^2/NDF:6870963314.1/19

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

Left In: -24.879+/-0.000 χ^2/NDF:6539151753.7/18

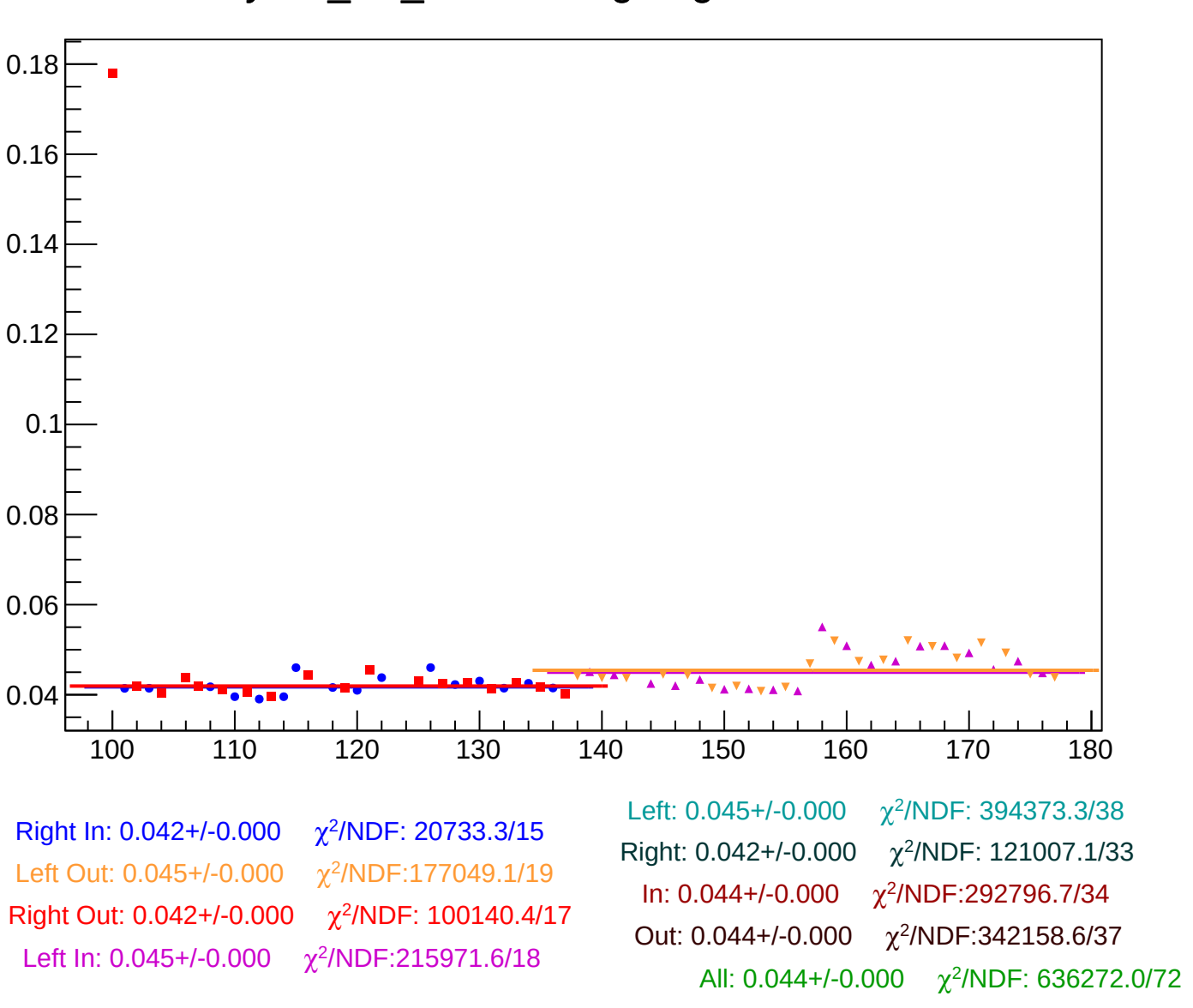
Left: -24.834+/-0.000 χ^2/NDF: 13439768060.0/38

Right: -25.561+/-0.000 χ^2/NDF: 9008481743.9/33

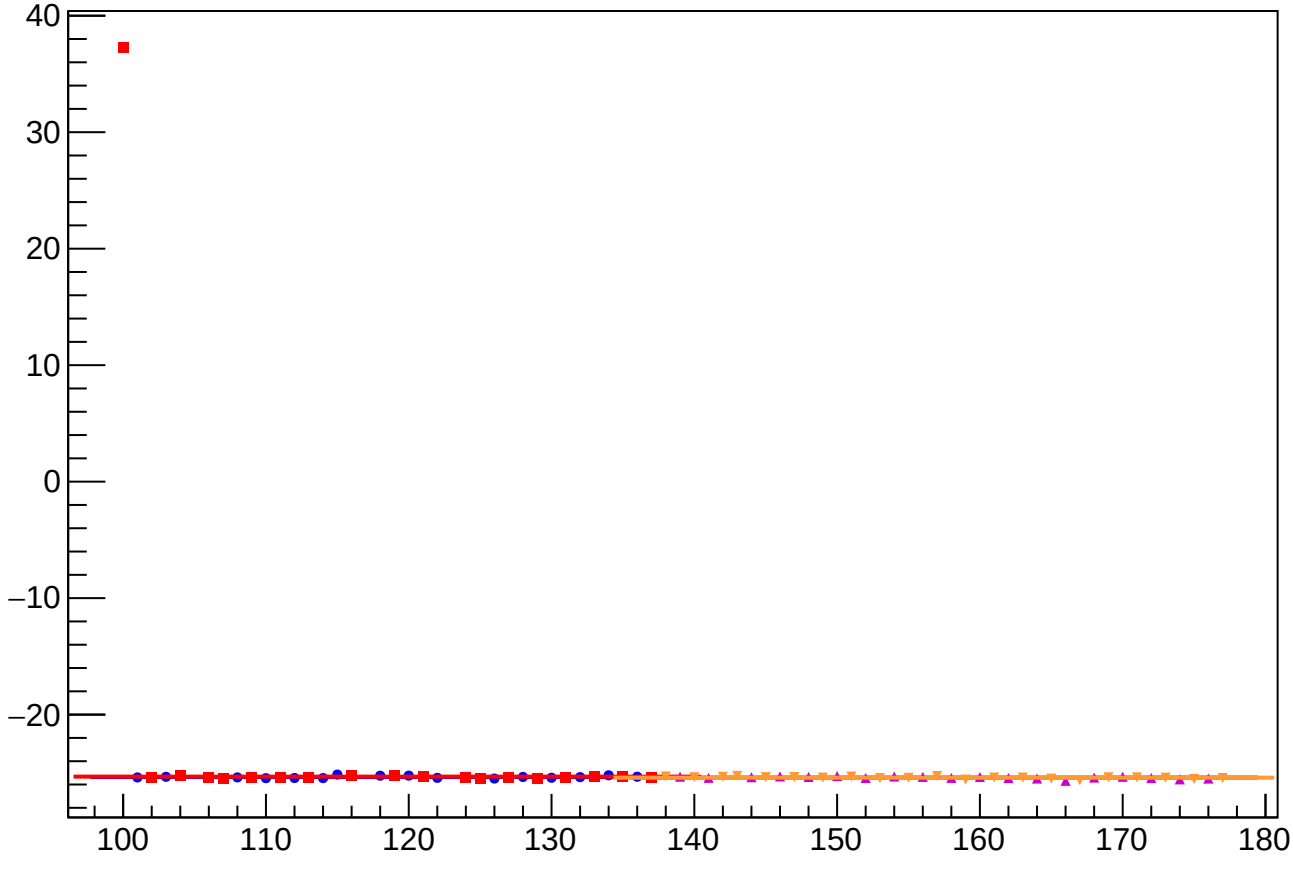
In: -25.128+/-0.000 χ^2/NDF:7937070811.5/34

Out: -25.058+/-0.000 χ^2/NDF:17287847264.8/37

All: -25.093+/-0.000 χ^2/NDF: 25253063716.0


yield_dsl_rms vs Slug, Sign Corrected
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
100
110
120
130
140
150
160
170
180
Right In: 0.042+/-0.000 χ²/NDF: 20733.3/15
Left Out: 0.045+/-0.000 χ²/NDF:177049.1/19
Right Out: 0.042+/-0.000 χ²/NDF: 100140.4/17
Left In: 0.045+/-0.000 χ²/NDF:215971.6/18
Left: 0.045+/-0.000 χ²/NDF: 394373.3/38
Right: 0.042+/-0.000 χ²/NDF: 121007.1/33
In: 0.044+/-0.000 χ²/NDF:292796.7/34
Out: 0.044+/-0.000 χ²/NDF:342158.6/37
All: 0.044+/-0.000 χ²/NDF: 636272.0/72

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.412+/-0.000 χ^2/NDF:46360830.7/20

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

Left In: -25.402+/-0.000 χ^2/NDF:43491988.4/18

Left: -25.407+/-0.000 χ^2/NDF: 90132461.5/39

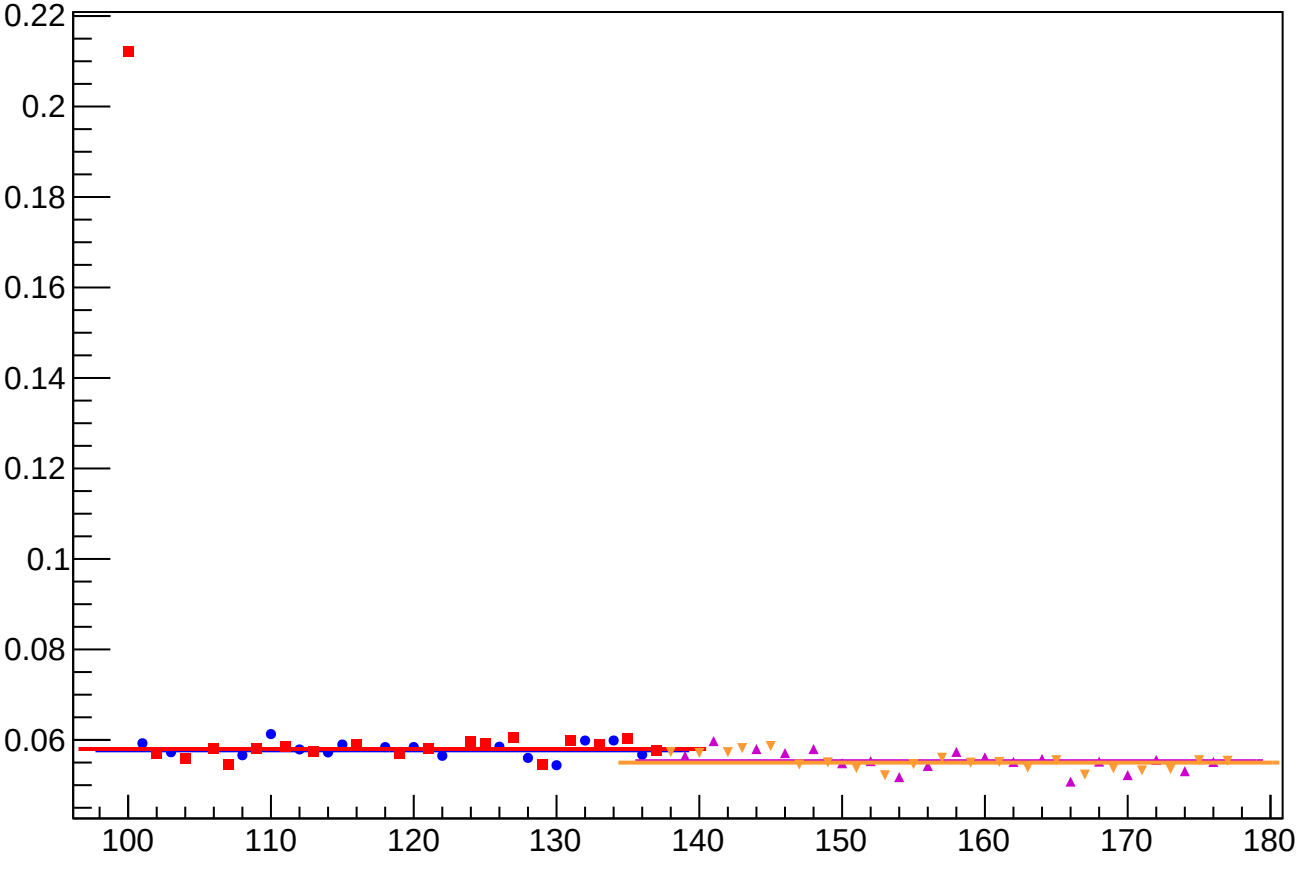
Right: -25.341+/-0.000 χ^2/NDF: 6329738520.5/34

In: -25.389+/-0.000 χ^2/NDF:59311536.6/34

Out: -25.386+/-0.000 χ^2/NDF:6373710682.9/39

All: -25.388+/-0.000 χ^2/NDF: 6433055675.4/

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:31757.0/20

Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.055+/-0.000 χ^2/NDF:47262.5/18

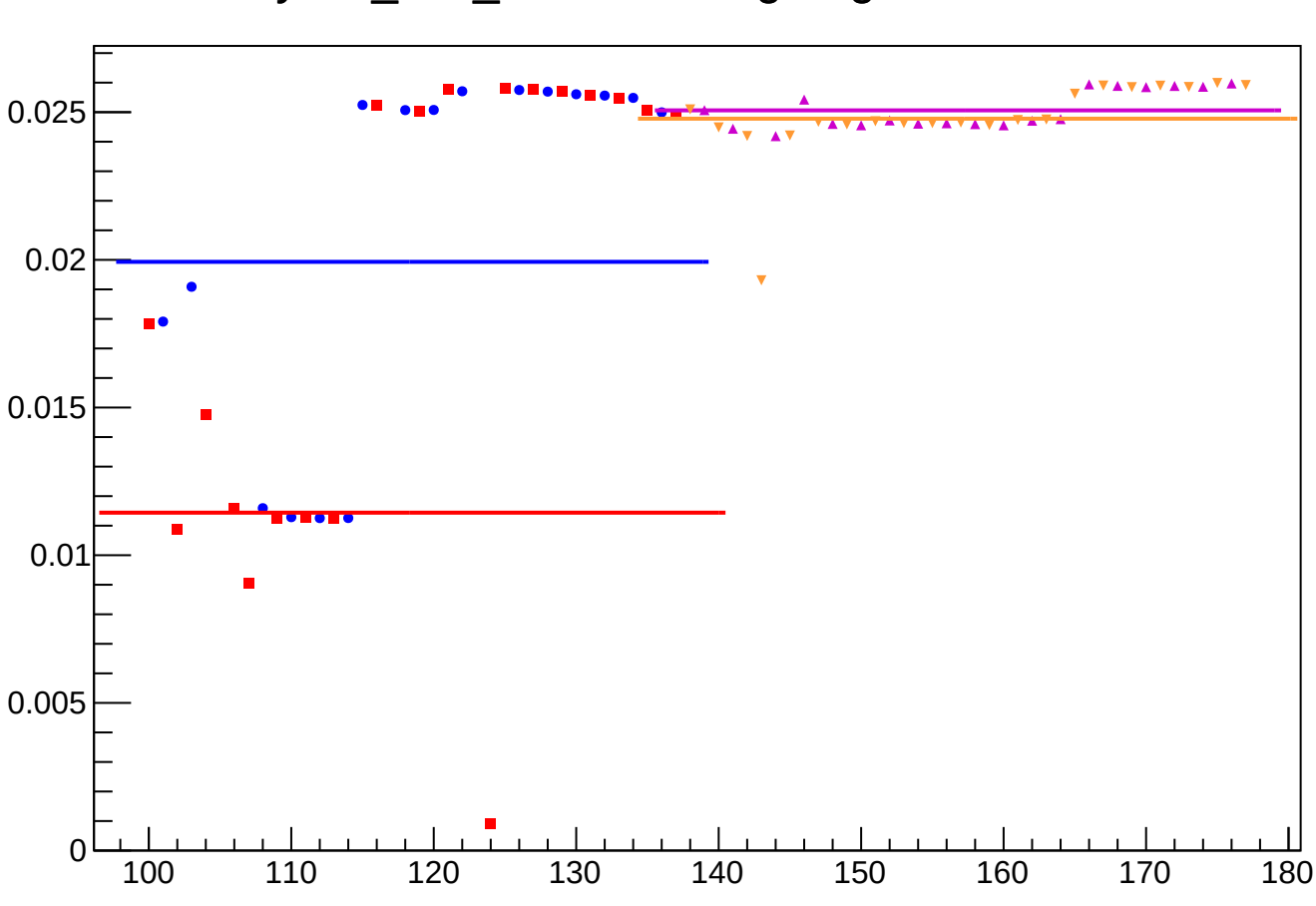
Left: 0.055+/-0.000 χ^2/NDF: 79533.3/39

Right: 0.058+/-0.000 χ^2/NDF: 100633.0/34

In: 0.056+/-0.000 χ^2/NDF:75951.3/34

Out: 0.056+/-0.000 χ^2/NDF:148231.3/39

All: 0.056+/-0.000 χ^2/NDF: 224389.5/74



Right In: 0.020+/-0.000 χ^2/NDF: 62465154056.0/15

Left Out: 0.025+/-0.000 χ^2/NDF:6860974129.3/20

Right Out: 0.011+/-0.000 χ^2/NDF: 253880264851.8/18

Left In: 0.025+/-0.000 χ^2/NDF:1140882679.1/18

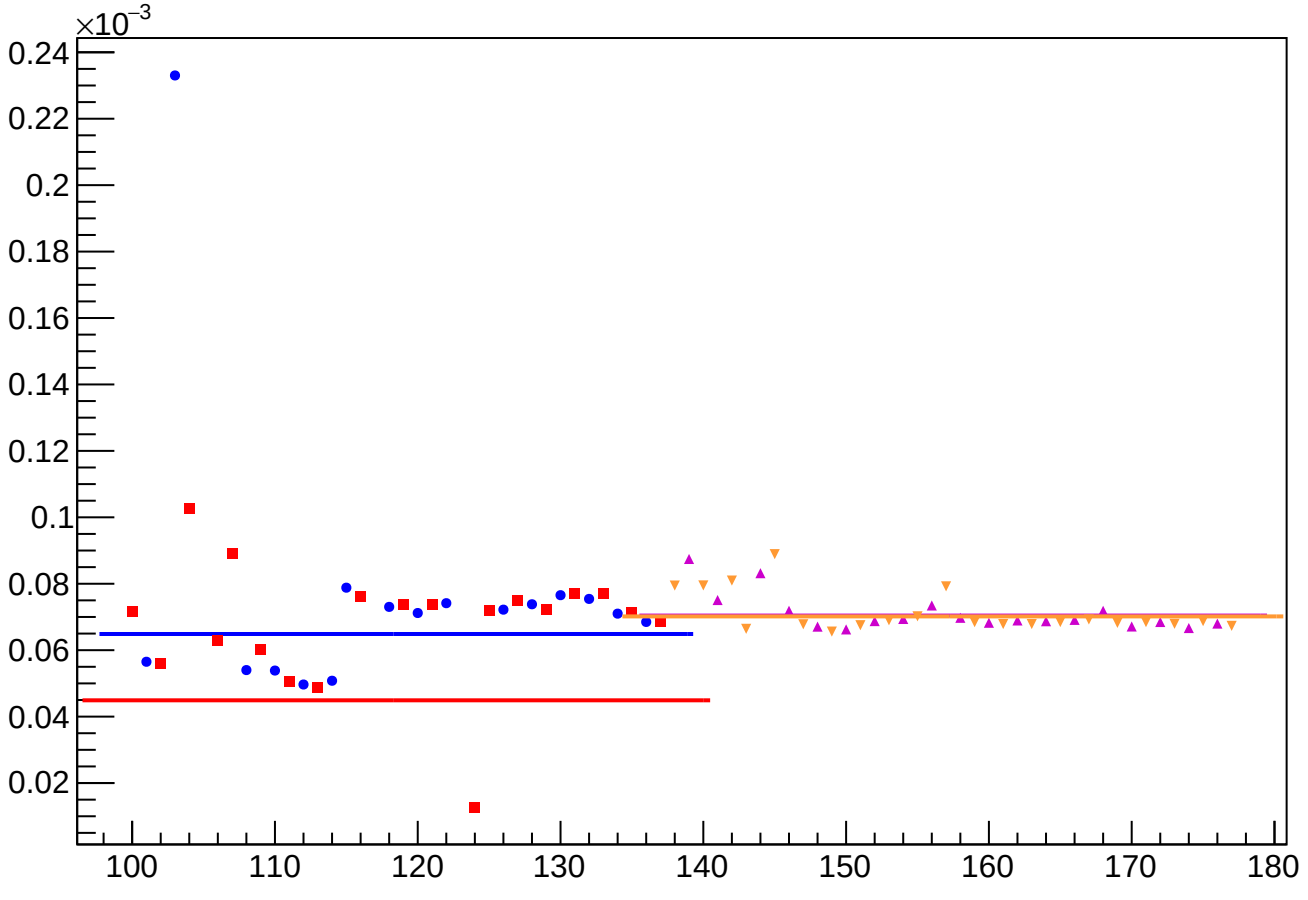
Left: 0.025+/-0.000 χ^2/NDF: 8128213510.9/39

Right: 0.015+/-0.000 χ^2/NDF: 385775066677.0/34

In: 0.023+/-0.000 χ^2/NDF:90768463429.5/34

Out: 0.019+/-0.000 χ^2/NDF:515116024305.0/39

All: 0.021+/-0.000 χ^2/NDF: 654192918098.6



Right In: 0.000+/-0.000 χ^2/NDF: 816892.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:178374.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

Left In: 0.000+/-0.000 χ^2/NDF:141071.3/18

Left: 0.000+/-0.000 χ^2/NDF: 319654.0/39

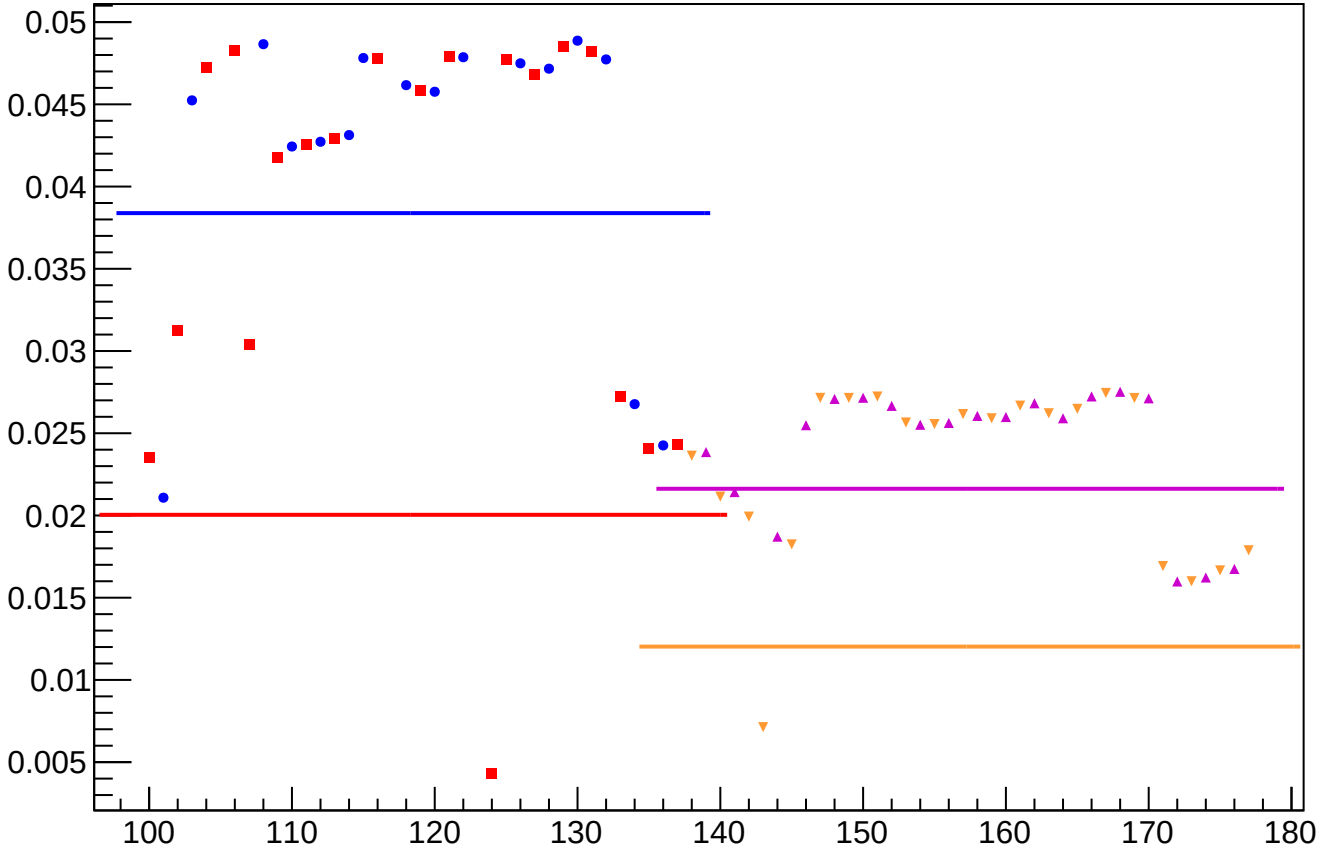
Right: 0.000+/-0.000 χ^2/NDF: 5354969.6/34

In: 0.000+/-0.000 χ^2/NDF:1021566.6/34

Out: 0.000+/-0.000 χ^2/NDF:5773149.0/39

All: 0.000+/-0.000 χ^2/NDF: 7242716.4/74

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:35186192353.4/20

Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

Left In: 0.022+/-0.000 χ^2/NDF:4985916391.0/18

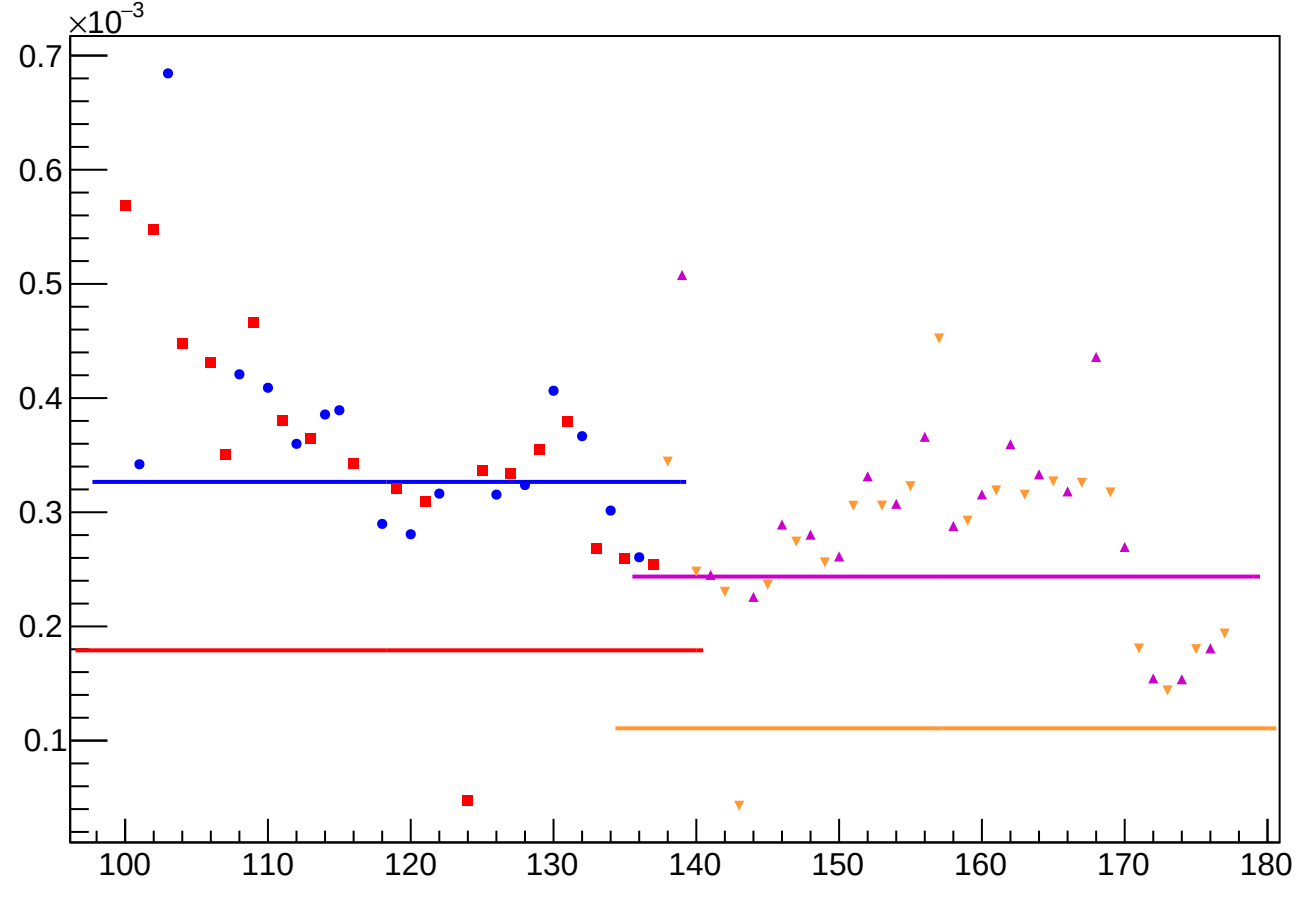
Left: 0.014+/-0.000 χ^2/NDF: 55182567434.5/39

Right: 0.026+/-0.000 χ^2/NDF: 62680347103.1/34

In: 0.025+/-0.000 χ^2/NDF:25116515802.6/34

Out: 0.013+/-0.000 χ^2/NDF:83993966628.0/39

All: 0.016+/-0.000 χ^2/NDF: 138286456567.9



Right In: 0.000+/-0.000 χ^2/NDF: 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:13828572.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2788286.8/18

Left: 0.000+/-0.000 χ^2/NDF: 22375989.8/39

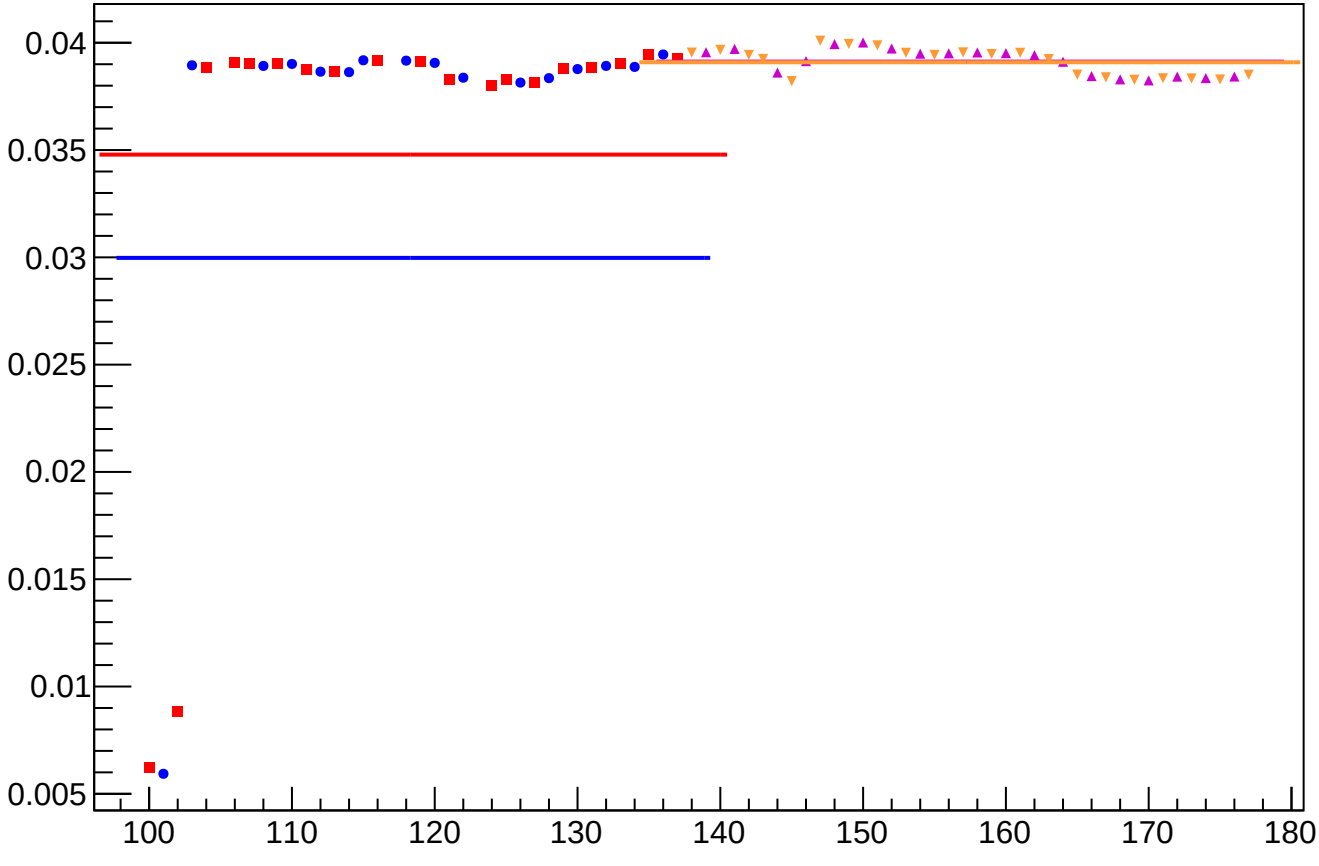
Right: 0.000+/-0.000 χ^2/NDF: 7977614.8/34

In: 0.000+/-0.000 χ^2/NDF:4008717.3/34

Out: 0.000+/-0.000 χ^2/NDF:20452263.7/39

All: 0.000+/-0.000 χ^2/NDF: 32473402.6/74

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:389943839.3/20

Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.039+/-0.000 χ^2/NDF:327219282.3/18

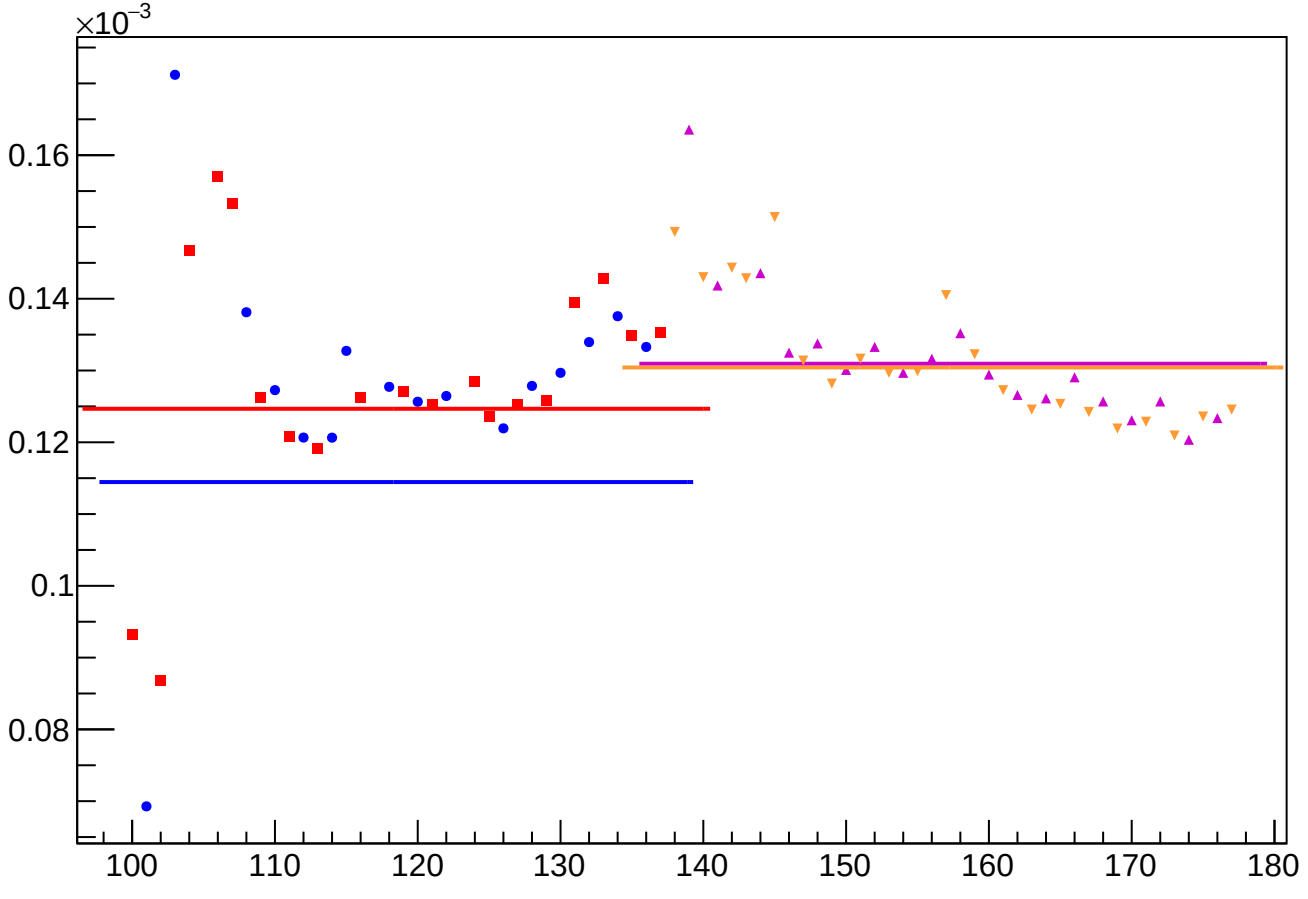
Left: 0.039+/-0.000 χ^2/NDF: 717587675.6/39

Right: 0.032+/-0.000 χ^2/NDF: 161037517780.6/34

In: 0.036+/-0.000 χ^2/NDF:135538887949.7/34

Out: 0.038+/-0.000 χ^2/NDF:53278428359.9/39

All: 0.037+/-0.000 χ^2/NDF: 191435092873.8



Right In: 0.000+/-0.000 χ^2/NDF: 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:137458.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

Left In: 0.000+/-0.000 χ^2/NDF:126660.9/18

Left: 0.000+/-0.000 χ^2/NDF: 264369.9/39

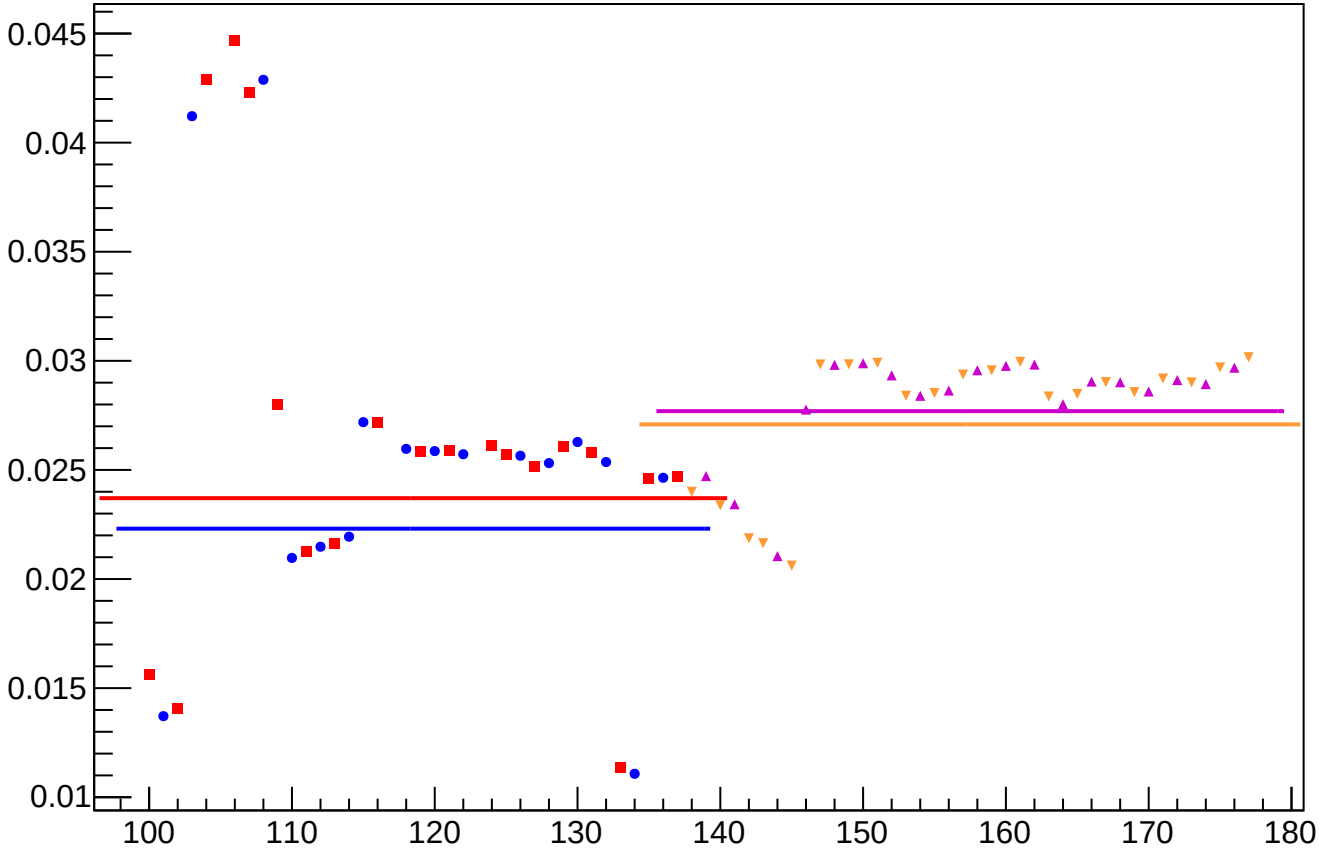
Right: 0.000+/-0.000 χ^2/NDF: 1163063.5/34

In: 0.000+/-0.000 χ^2/NDF:1154820.7/34

Out: 0.000+/-0.000 χ^2/NDF:417933.8/39

All: 0.000+/-0.000 χ^2/NDF: 1591485.0/74

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:2080788369.0/20

Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

Left In: 0.028+/-0.000 χ^2/NDF:1358111147.8/18

Left: 0.027+/-0.000 χ^2/NDF: 3470493888.4/39

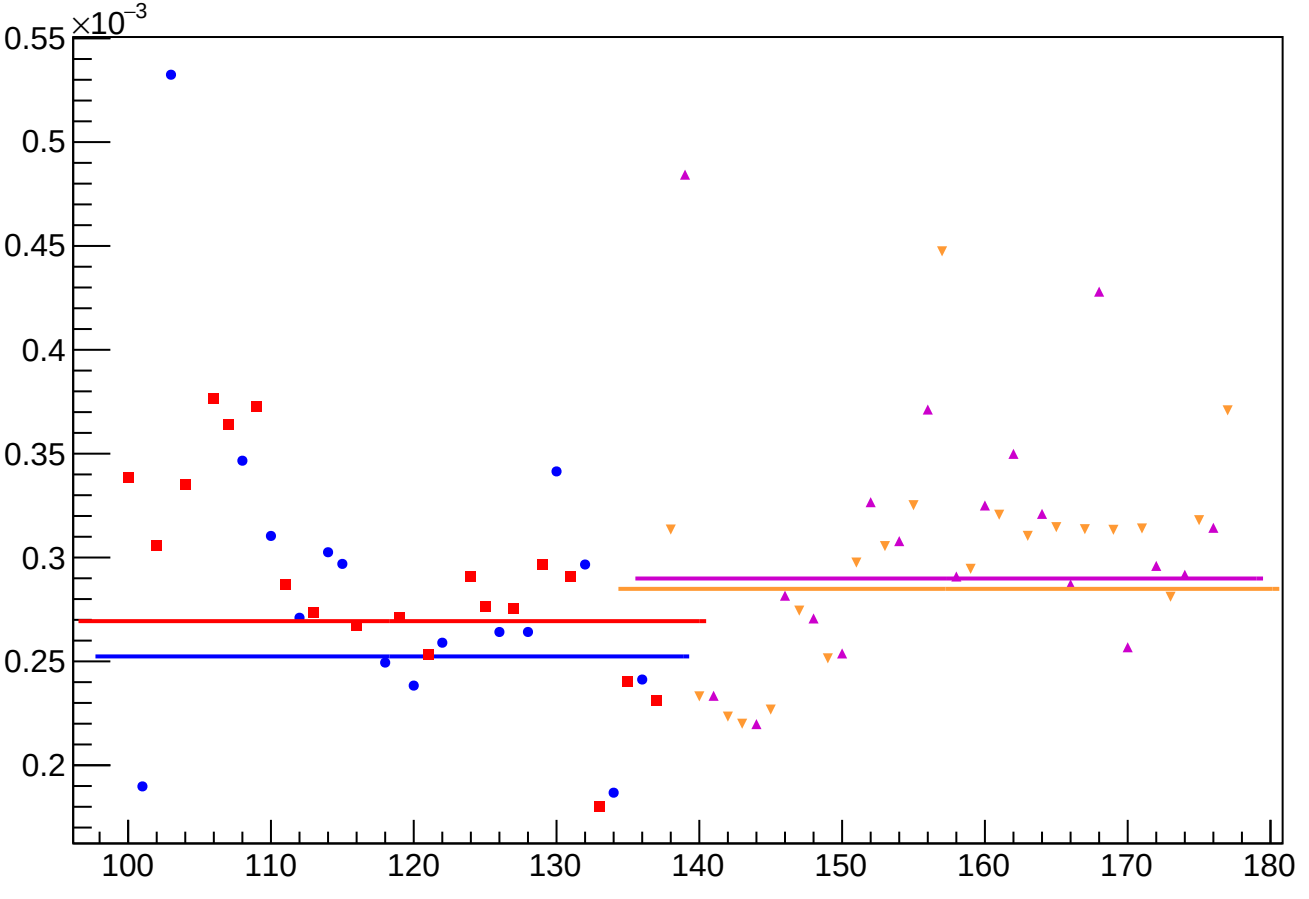
Right: 0.023+/-0.000 χ^2/NDF: 10685664717.3/34

In: 0.026+/-0.000 χ^2/NDF:8156721403.7/34

Out: 0.026+/-0.000 χ^2/NDF:8345544196.8/39

All: 0.026+/-0.000 χ^2/NDF: 16512922485.8/7

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:758304.1/20

Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:930472.5/18

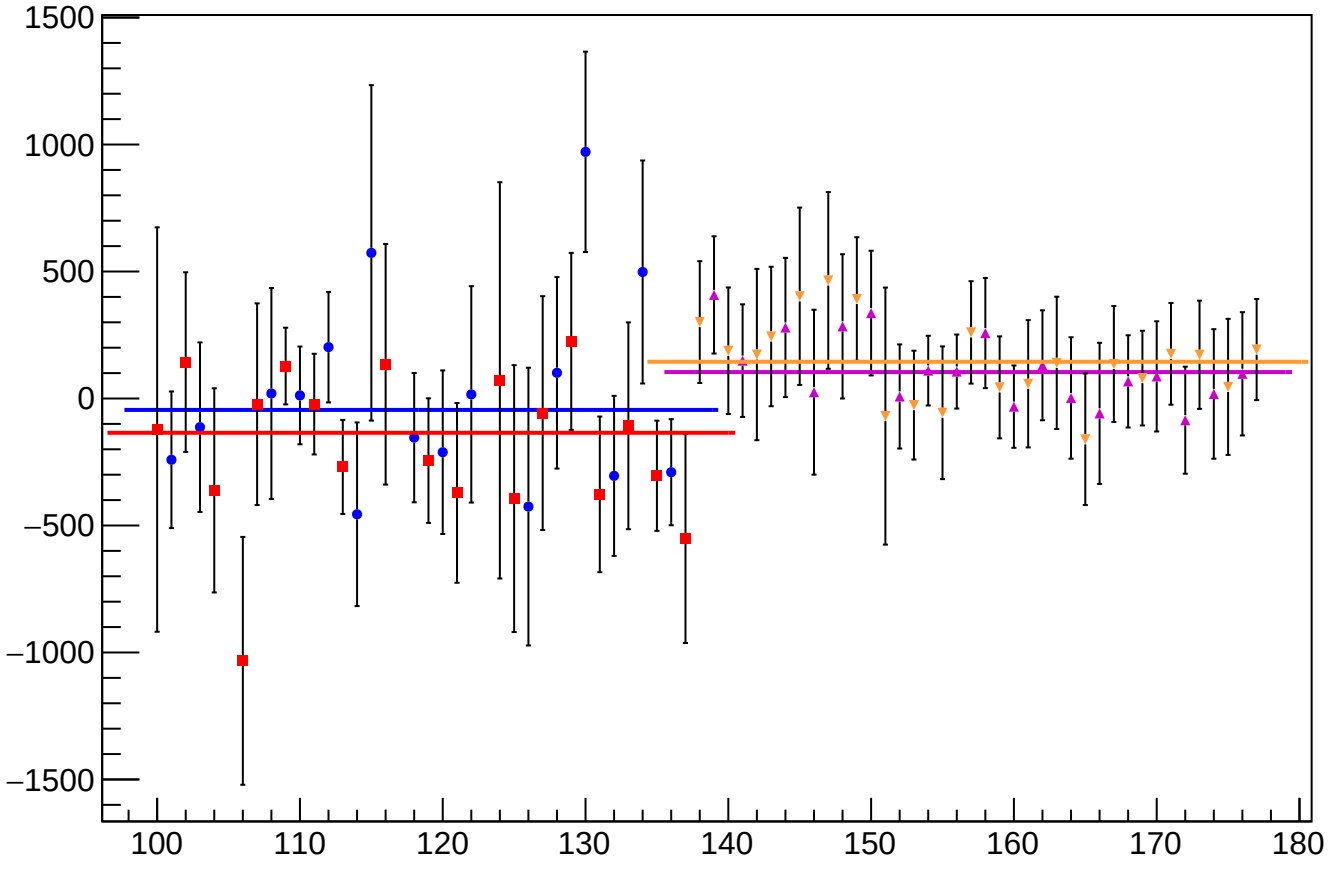
Left: 0.000+/-0.000 χ^2/NDF: 1693054.9/39

Right: 0.000+/-0.000 χ^2/NDF: 1181187.1/34

In: 0.000+/-0.000 χ^2/NDF:1811546.3/34

Out: 0.000+/-0.000 χ^2/NDF:1233482.3/39

All: 0.000+/-0.000 χ^2/NDF: 3048993.7/74



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 144.599+/-52.822 χ^2/NDF:6.9/20

Right Out: -134.996+/-68.062 χ^2/NDF: 12.9/18

Left In: 104.047+/-48.092 χ^2/NDF:6.5/18

Left: 122.426+/-35.561 χ^2/NDF: 13.7/39

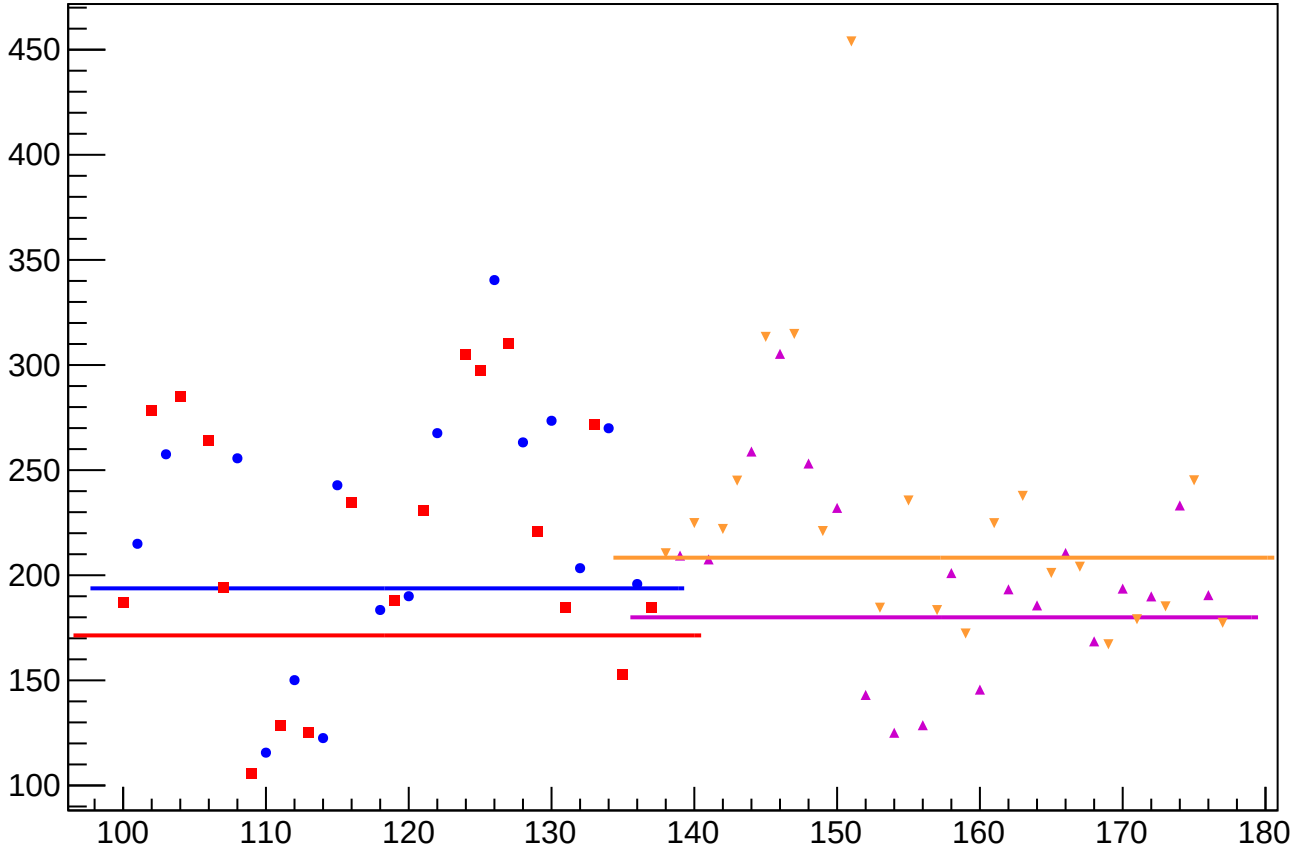
Right: -95.021+/-50.761 χ^2/NDF: 29.2/34

In: 61.612+/-40.669 χ^2/NDF:24.7/34

Out: 39.498+/-41.729 χ^2/NDF:30.3/39

All: 50.840+/-29.125 χ^2/NDF: 55.1/74

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: 208.358+/-0.037 χ^2/NDF:1320292.9/20

Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 179.984+/-0.034 χ^2/NDF:1635498.2/18

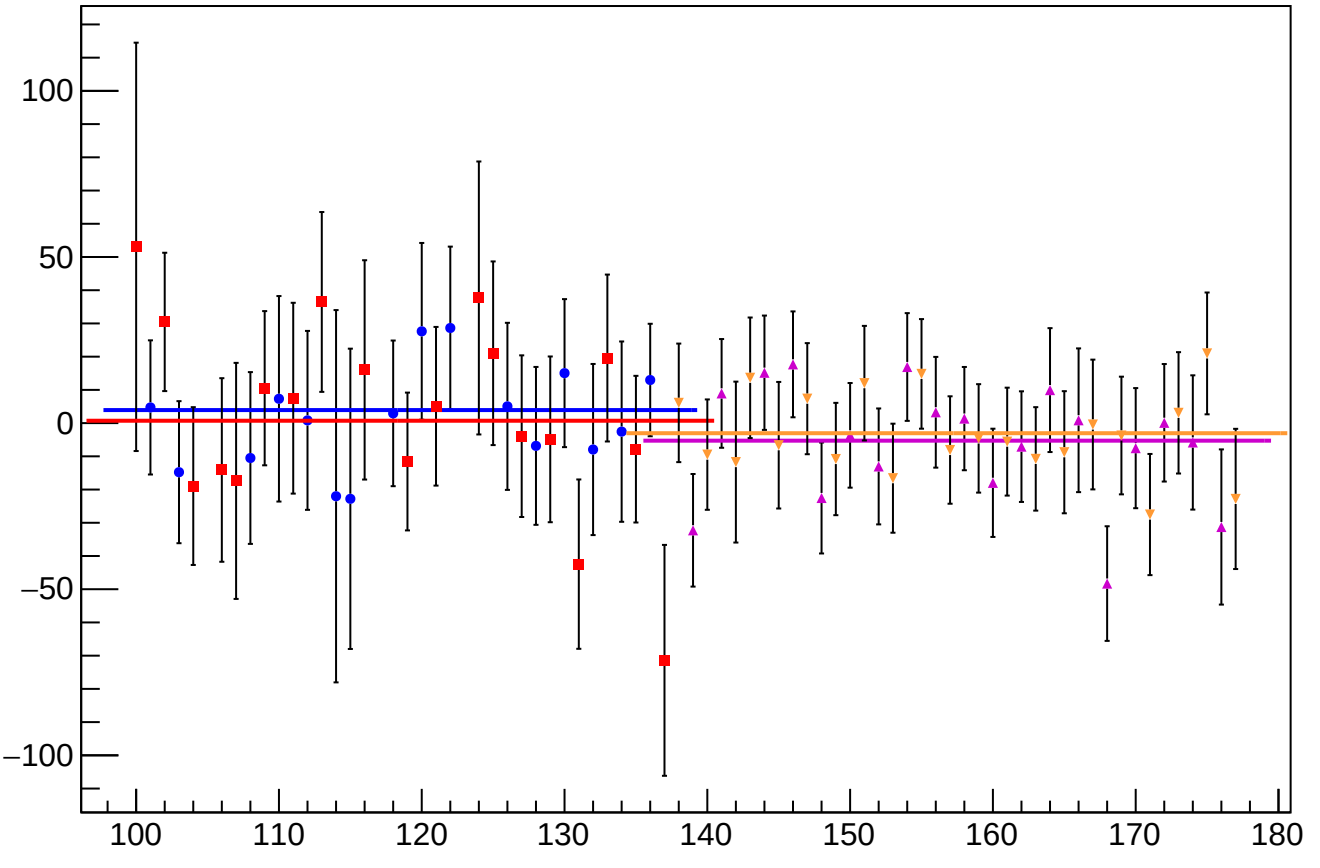
Left: 192.844+/-0.025 χ^2/NDF: 3271321.3/39

Right: 181.316+/-0.036 χ^2/NDF: 2802189.0/34

In: 183.911+/-0.029 χ^2/NDF:2730393.4/34

Out: 194.459+/-0.030 χ^2/NDF:3346771.5/39

All: 189.049+/-0.021 χ^2/NDF: 6142701.6/74



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: -3.040+/-3.847 χ^2/NDF:9.6/20

Right Out: 0.714+/-6.077 χ^2/NDF: 15.9/18

Left In: -5.286+/-3.976 χ^2/NDF:19.3/18

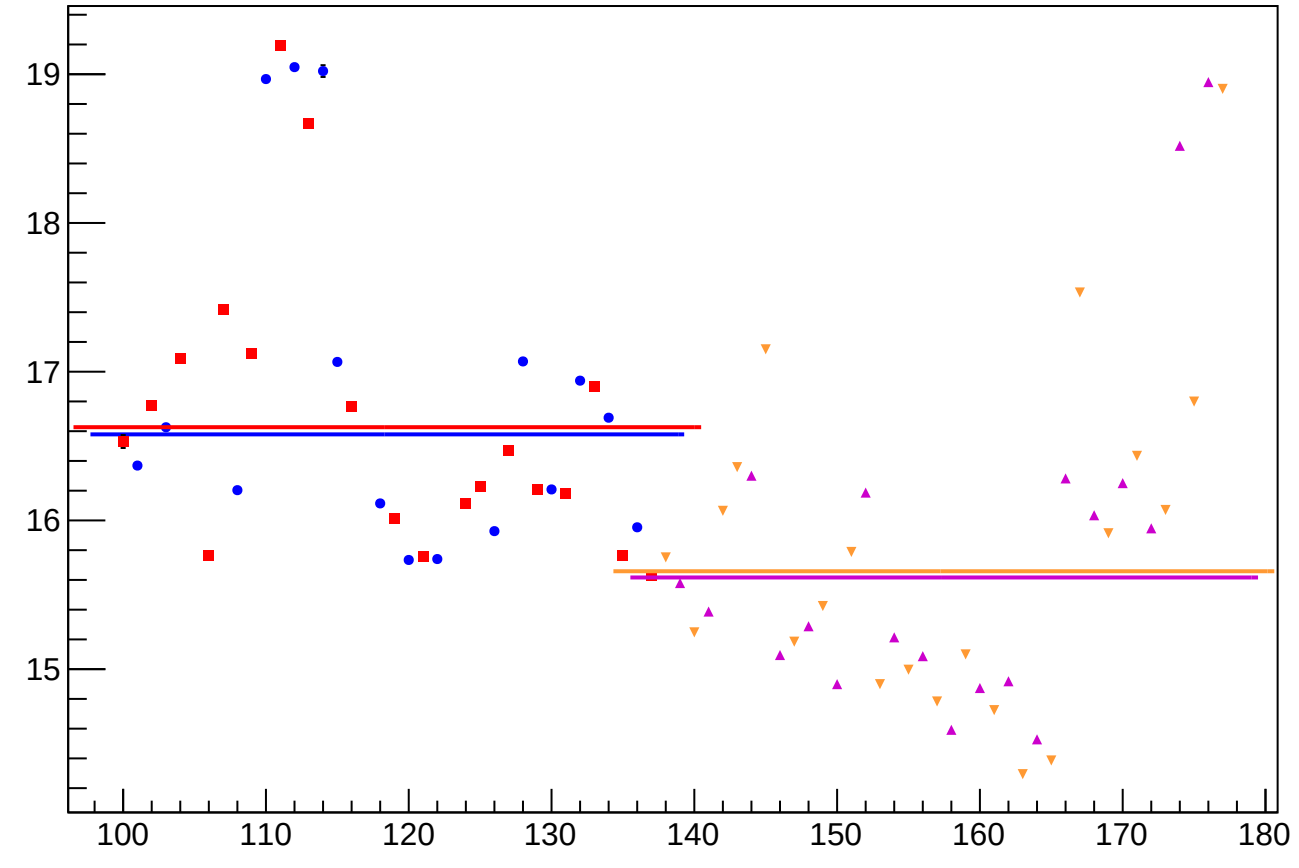
Left: -4.126+/-2.765 χ^2/NDF: 29.1/39

Right: 2.294+/-4.330 χ^2/NDF: 20.5/34

In: -2.585+/-3.342 χ^2/NDF:25.4/34

Out: -1.966+/-3.250 χ^2/NDF:25.8/39

All: -2.267+/-2.330 χ^2/NDF: 51.2/74



Right In: 16.579+/-0.004 χ^2/NDF: 44575.6/15

Left Out: 15.658+/-0.003 χ^2/NDF:144911.4/20

Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.616+/-0.003 χ^2/NDF:127339.9/18

Left: 15.638+/-0.002 χ^2/NDF: 272365.8/39

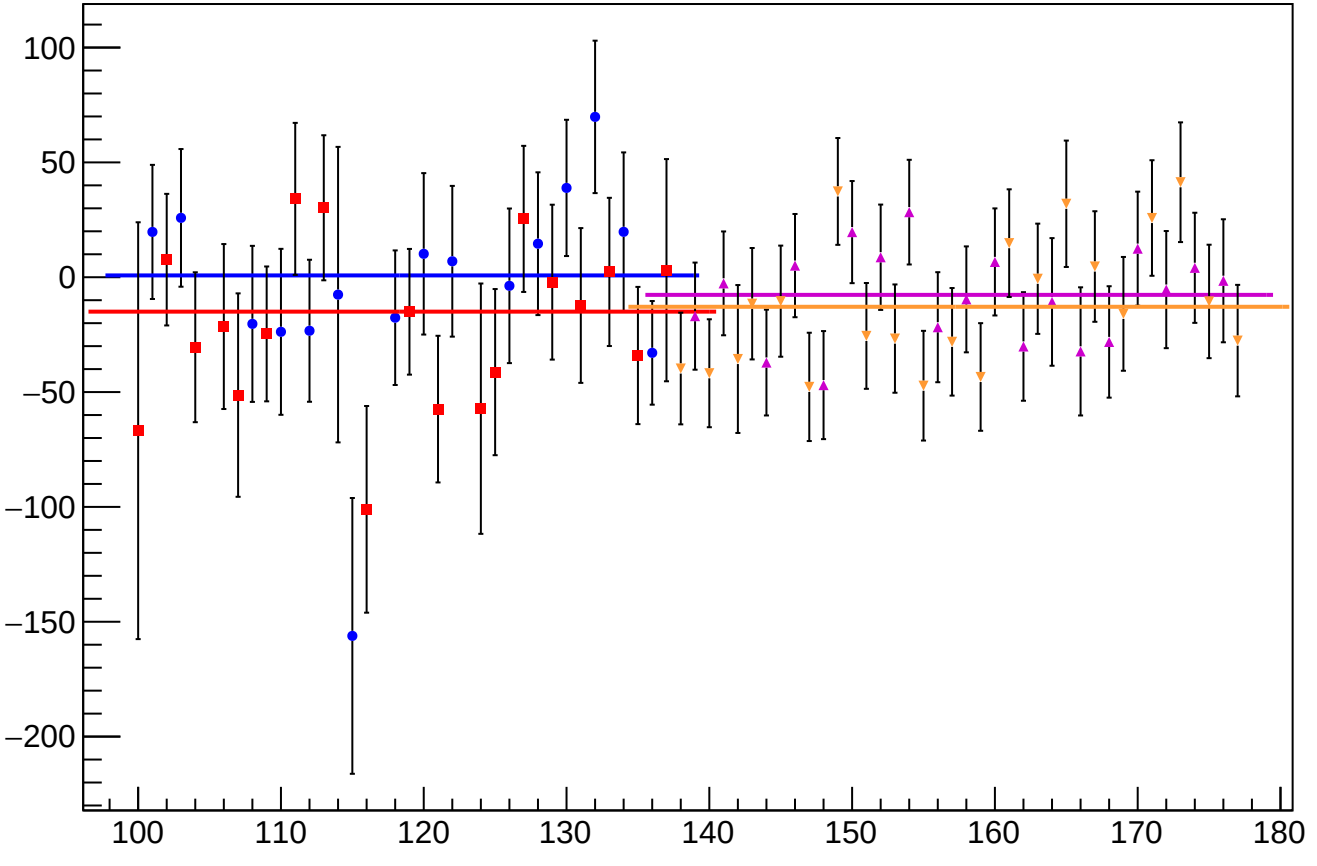
Right: 16.603+/-0.003 χ^2/NDF: 88099.6/34

In: 15.899+/-0.002 χ^2/NDF:206269.2/34

Out: 15.935+/-0.002 χ^2/NDF:224650.2/39

All: 15.918+/-0.002 χ^2/NDF: 431043.6/74

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: -12.865+/-5.328 χ^2/NDF:26.9/20

Right Out: -14.981+/-7.953 χ^2/NDF: 15.4/18

Left In: -7.678+/-5.493 χ^2/NDF:13.6/18

Left: -10.351+/-3.824 χ^2/NDF: 40.9/39

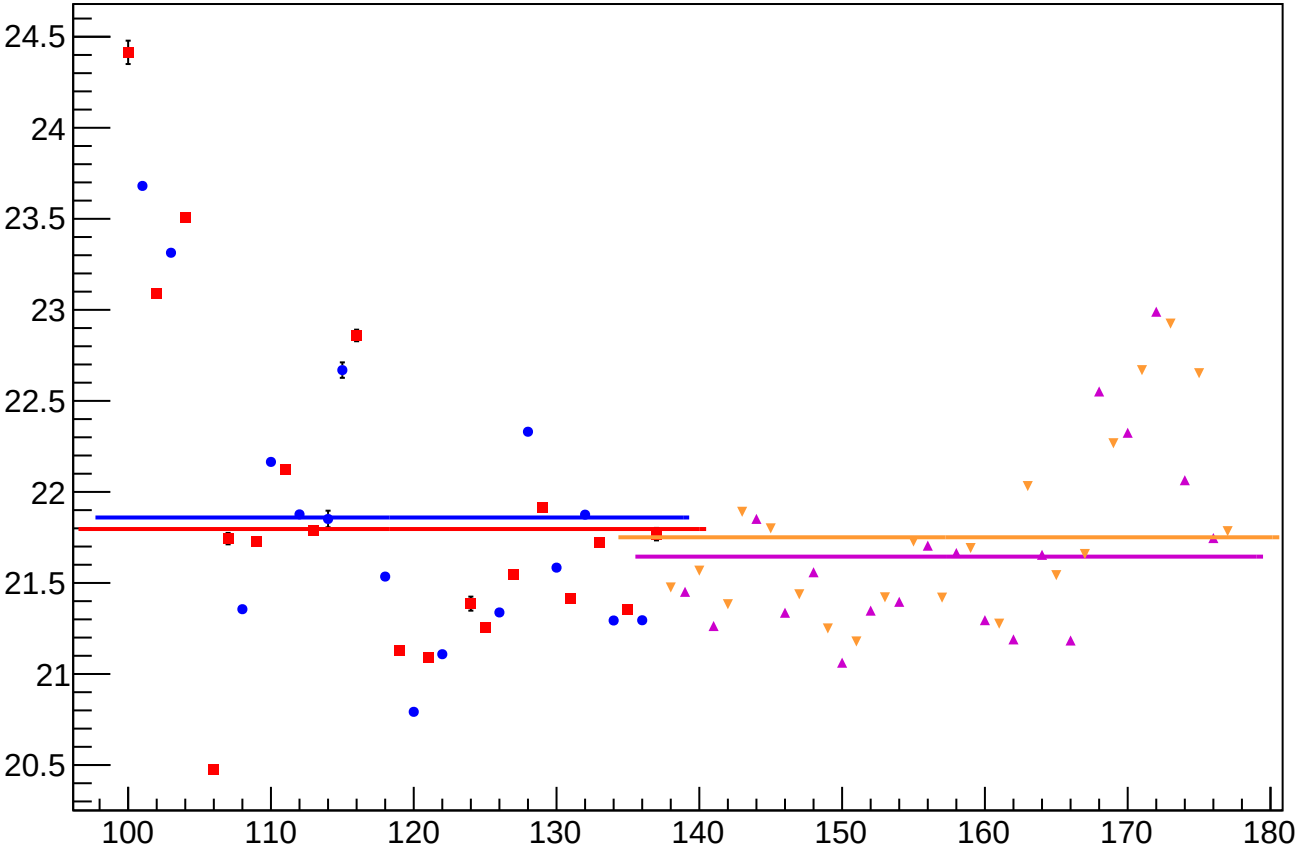
Right: -7.264+/-5.683 χ^2/NDF: 36.0/34

In: -5.022+/-4.550 χ^2/NDF:33.0/34

Out: -13.521+/-4.427 χ^2/NDF:42.3/39

All: -9.389+/-3.173 χ^2/NDF: 77.1/74

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: 21.751+/-0.004 χ^2/NDF:15526.2/20

Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.645+/-0.004 χ^2/NDF:15469.5/18

Left: 21.699+/-0.003 χ^2/NDF: 31381.3/39

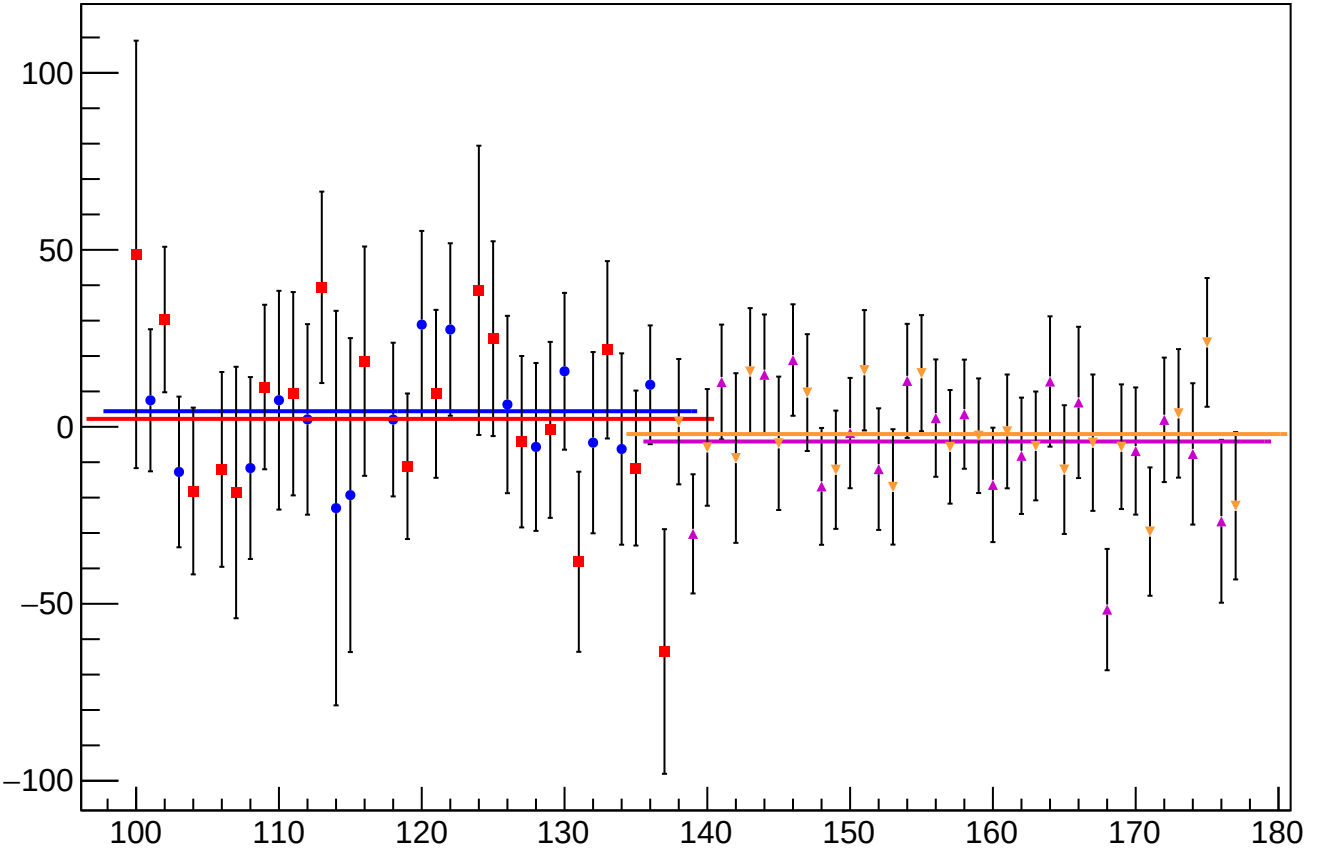
Right: 21.827+/-0.004 χ^2/NDF: 38391.5/34

In: 21.712+/-0.003 χ^2/NDF:35898.4/34

Out: 21.765+/-0.003 χ^2/NDF:34432.4/39

All: 21.739+/-0.002 χ^2/NDF: 70469.6/74

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: -2.047+/-3.810 χ^2/NDF:10.9/20

Right Out: 2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: -4.150+/-3.938 χ^2/NDF:19.8/18

Left: -3.063+/-2.738 χ^2/NDF: 30.8/39

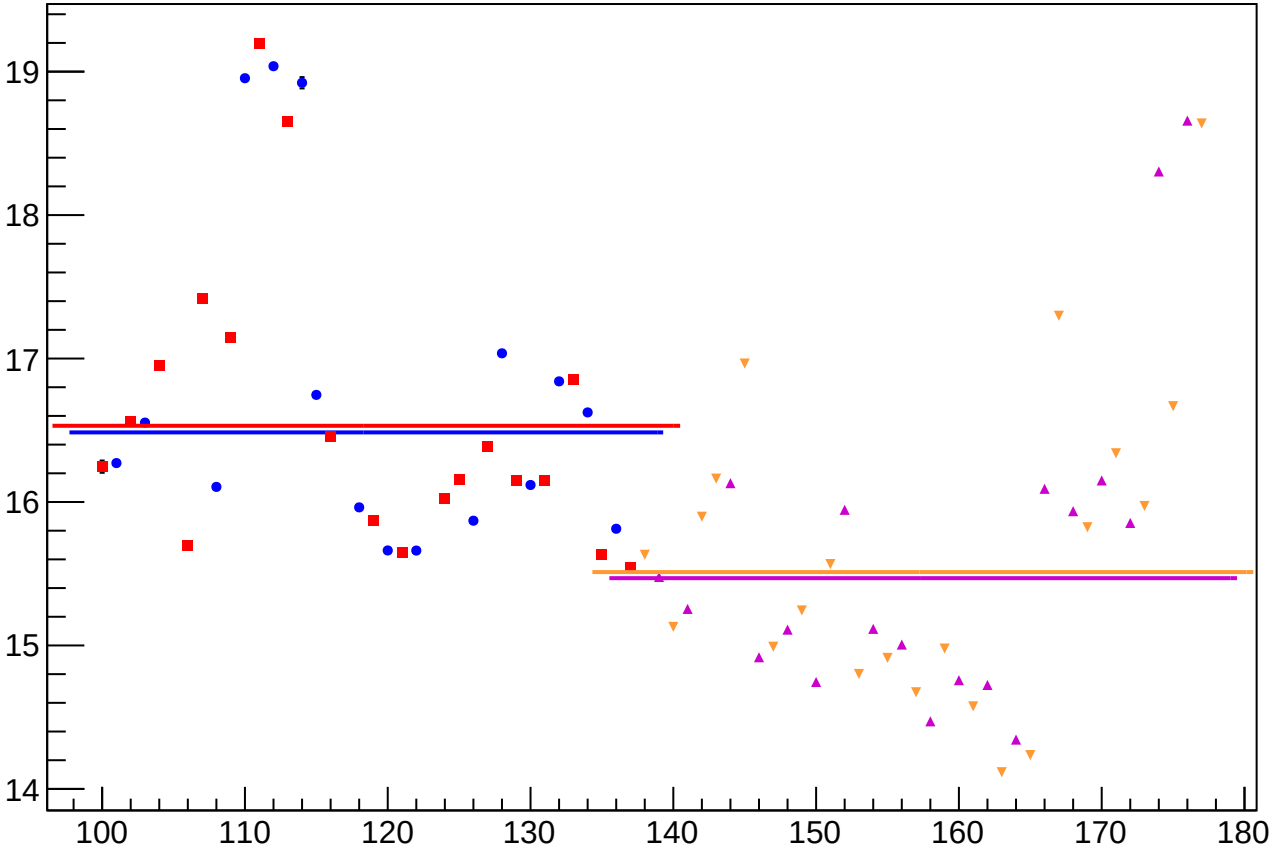
Right: 3.307+/-4.306 χ^2/NDF: 19.7/34

In: -1.655+/-3.314 χ^2/NDF:25.4/34

Out: -0.826+/-3.223 χ^2/NDF:26.7/39

All: -1.229+/-2.311 χ^2/NDF: 52.1/74

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: 15.511+/-0.003 χ^2/NDF:142483.6/20

Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.469+/-0.003 χ^2/NDF:124745.4/18

Left: 15.491+/-0.002 χ^2/NDF: 267348.5/39

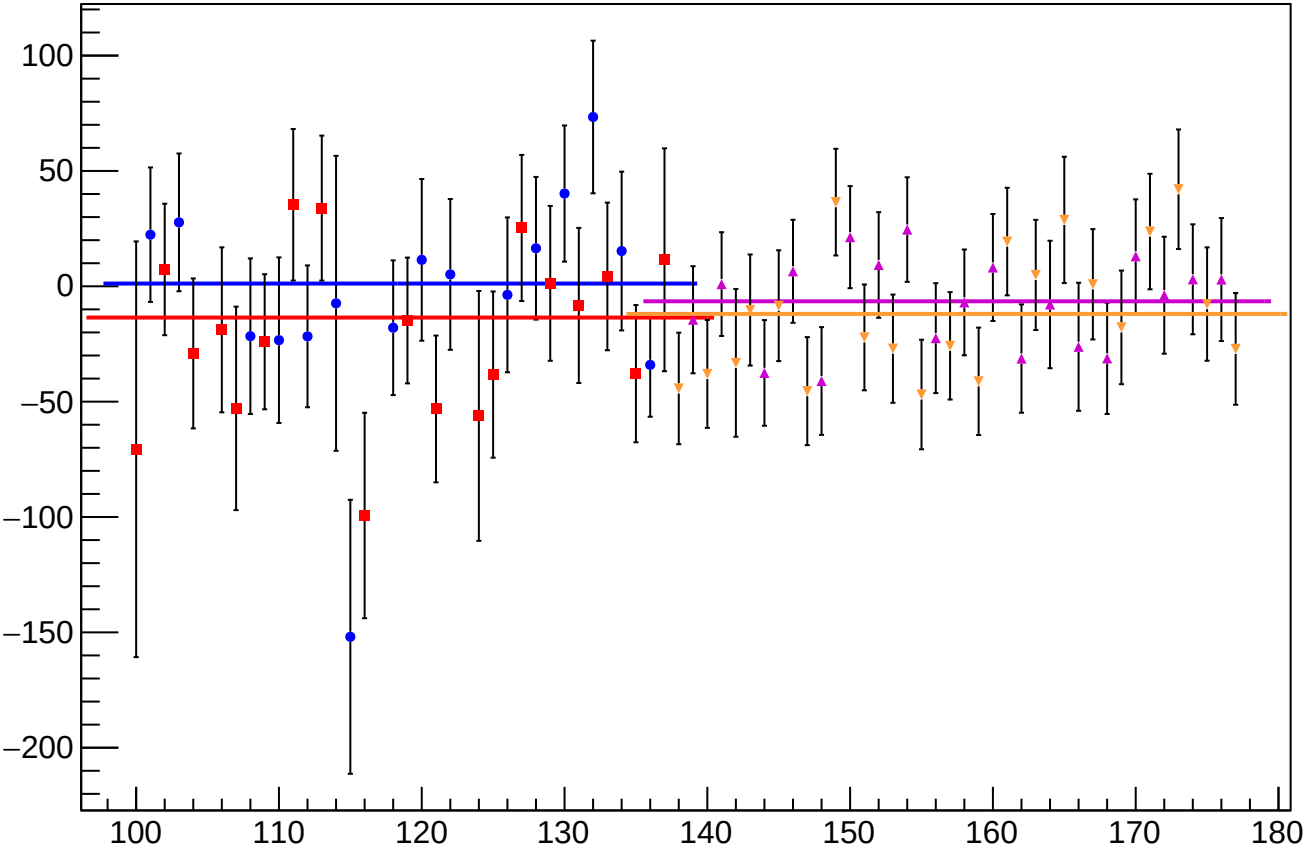
Right: 16.509+/-0.003 χ^2/NDF: 93717.6/34

In: 15.765+/-0.002 χ^2/NDF:210761.0/34

Out: 15.802+/-0.002 χ^2/NDF:229723.7/39

All: 15.784+/-0.002 χ^2/NDF: 440607.3/74

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: -11.967+/-5.298 χ^2/NDF:26.3/20

Right Out: -13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: -6.496+/-5.463 χ^2/NDF:13.0/18

Left: -9.315+/-3.803 χ^2/NDF: 39.8/39

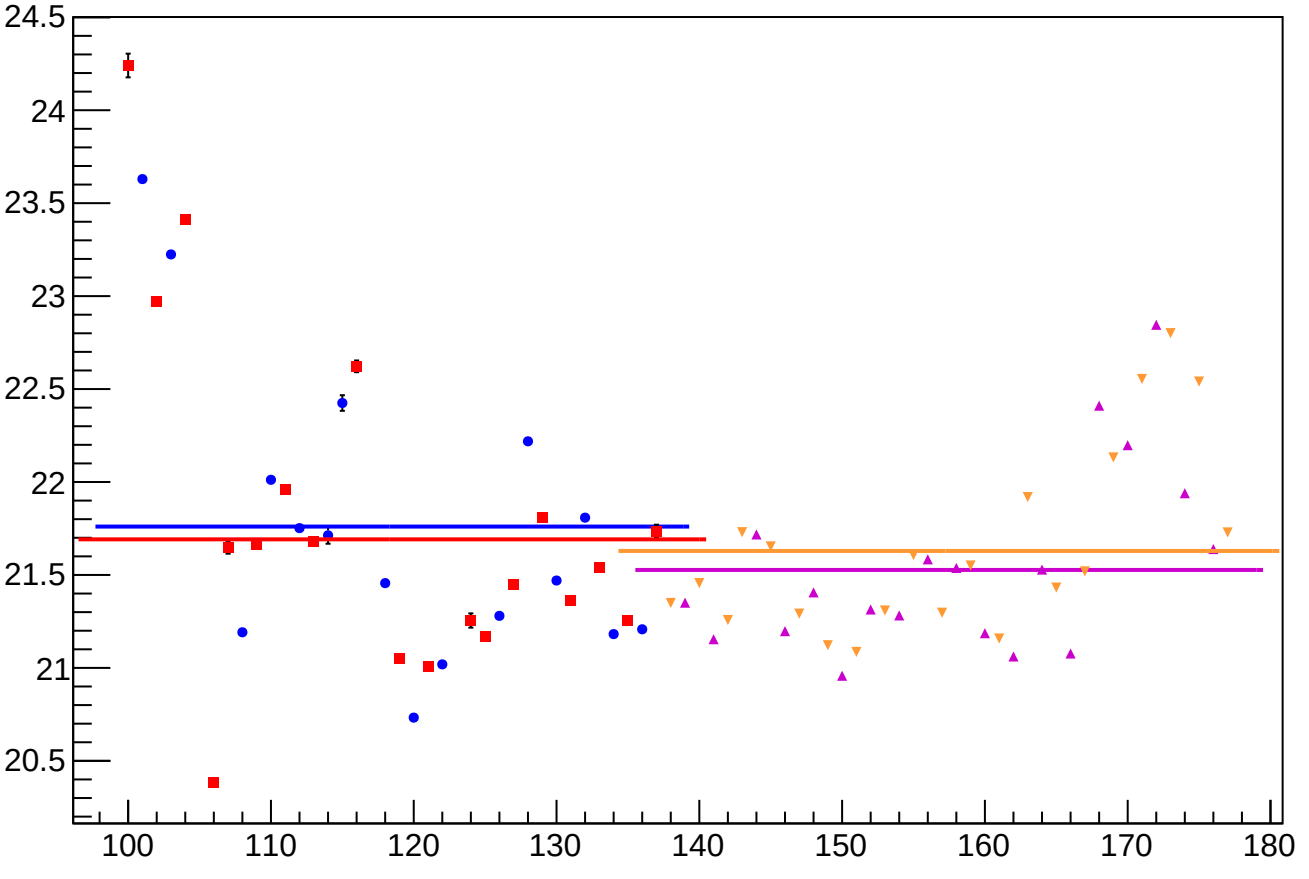
Right: -6.341+/-5.657 χ^2/NDF: 37.0/34

In: -4.090+/-4.527 χ^2/NDF:33.0/34

Out: -12.456+/-4.403 χ^2/NDF:42.3/39

All: -8.389+/-3.156 χ^2/NDF: 77.0/74

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: 21.629+/-0.004 χ^2/NDF:15682.4/20

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

Left In: 21.527+/-0.004 χ^2/NDF:14991.3/18

Left: 21.580+/-0.003 χ^2/NDF: 31034.2/39

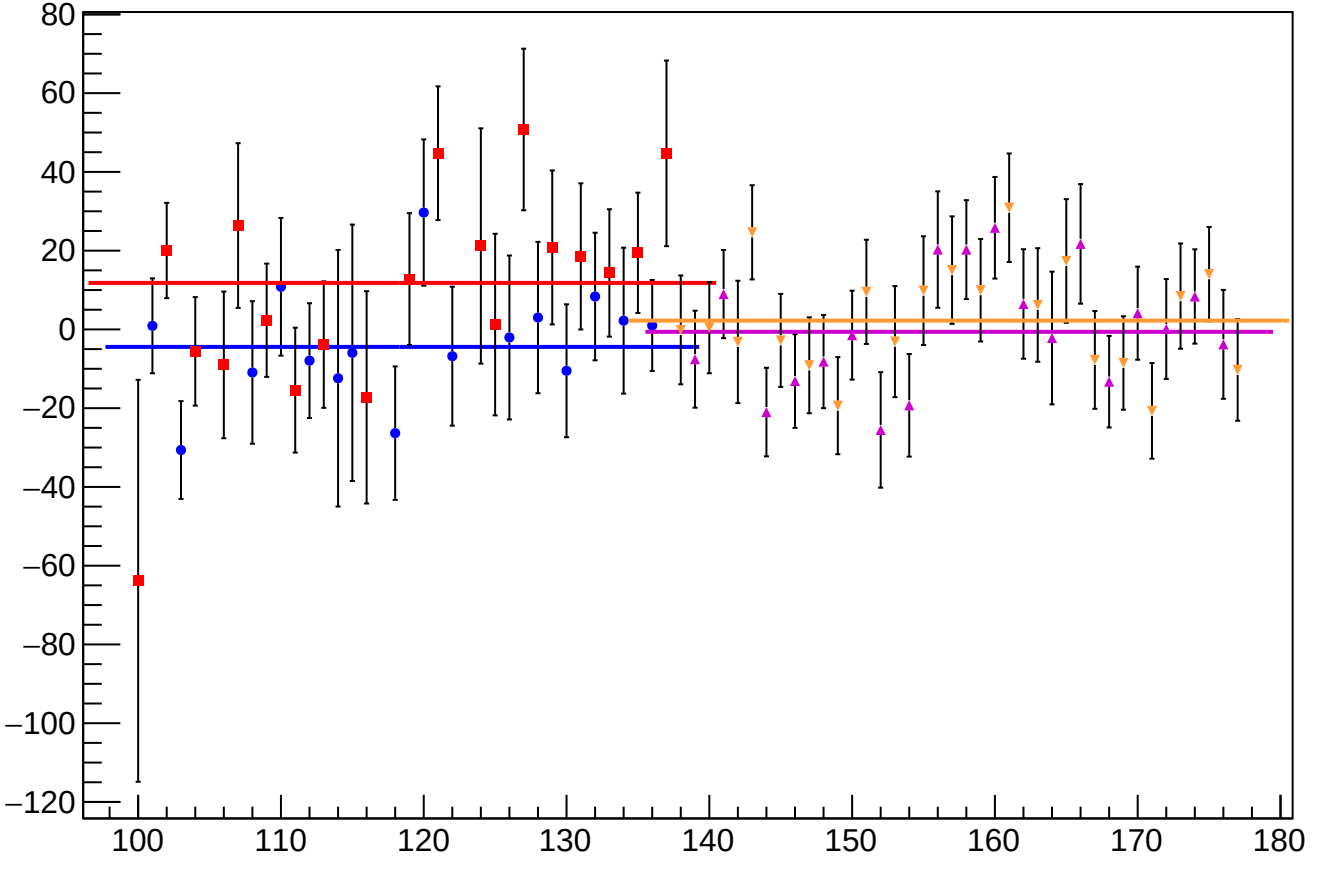
Right: 21.725+/-0.004 χ^2/NDF: 38150.0/34

In: 21.600+/-0.003 χ^2/NDF:35879.9/34

Out: 21.648+/-0.003 χ^2/NDF:34099.1/39

All: 21.625+/-0.002 χ^2/NDF: 70096.4/74

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 2.240+/-2.832 χ^2/NDF:22.3/20

Right Out: 11.807+/-4.097 χ^2/NDF: 21.7/18

Left In: -0.609+/-2.911 χ^2/NDF:24.1/18

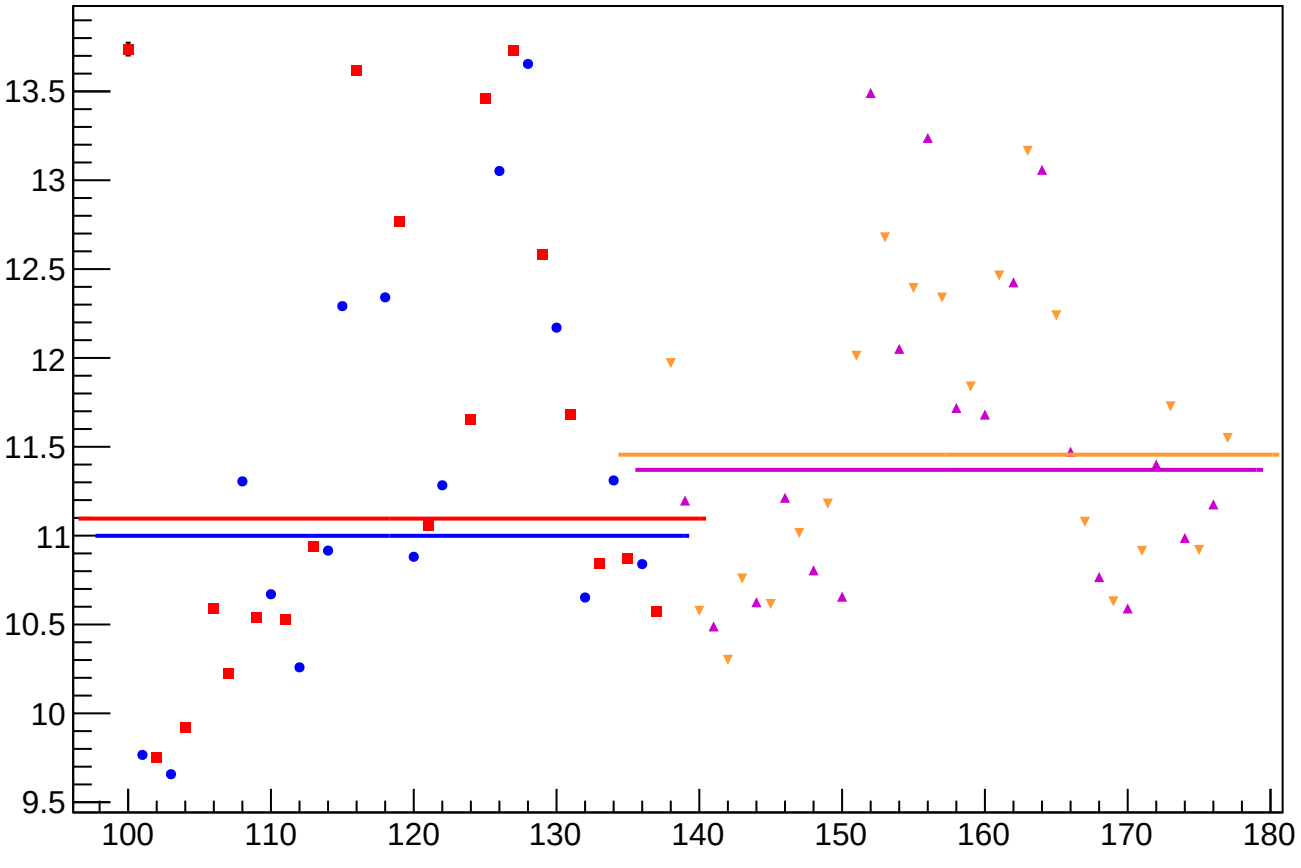
Left: 0.854+/-2.030 χ^2/NDF: 46.9/39

Right: 3.749+/-2.909 χ^2/NDF: 41.5/34

In: -1.881+/-2.380 χ^2/NDF:36.7/34

Out: 5.333+/-2.330 χ^2/NDF:47.7/39

All: 1.802+/-1.665 χ^2/NDF: 89.1/74



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.456+/-0.002 χ^2/NDF:148074.7/20

Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 11.370+/-0.002 χ^2/NDF:164614.2/18

Left: 11.414+/-0.001 χ^2/NDF: 313577.0/39

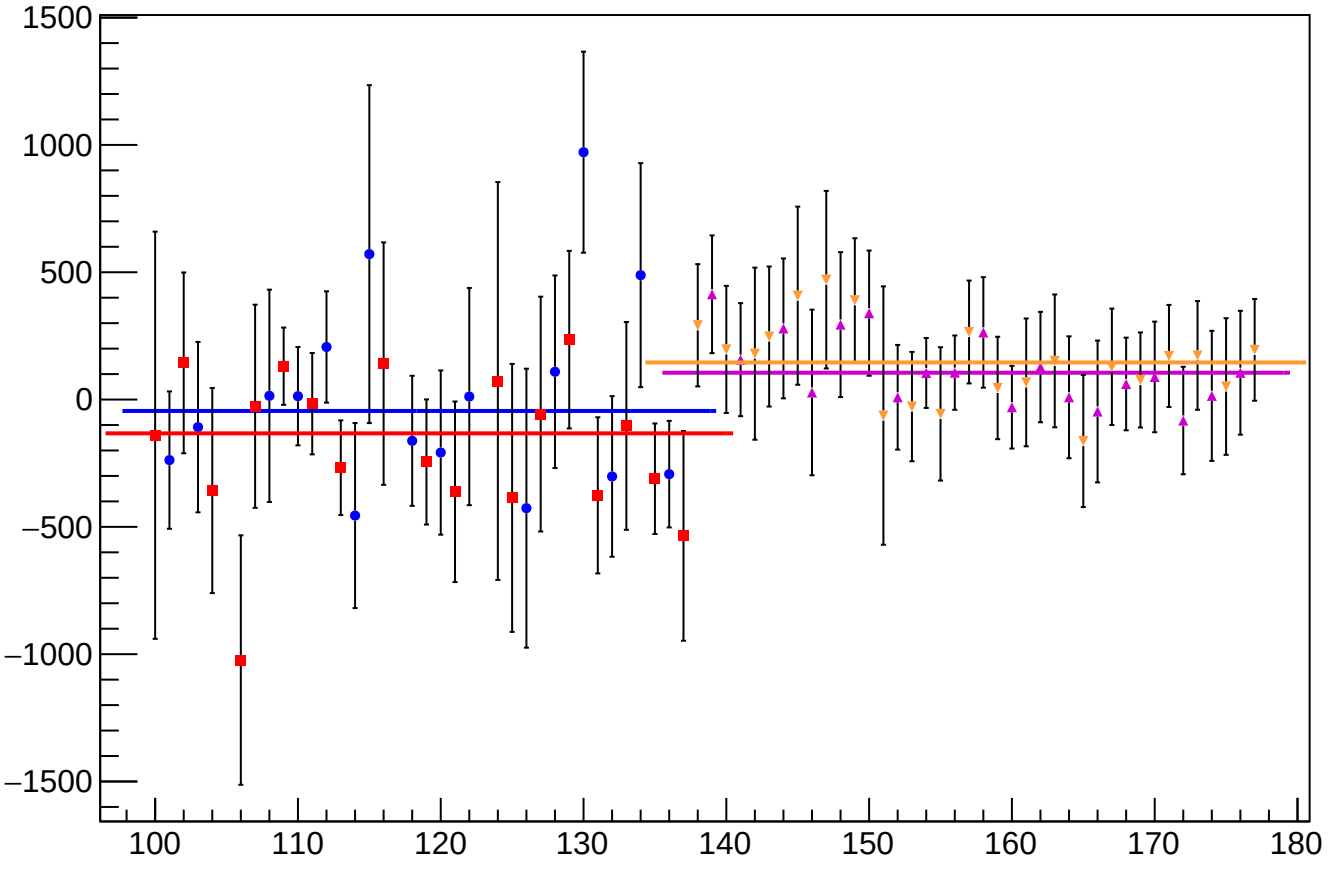
Right: 11.048+/-0.002 χ^2/NDF: 299622.8/34

In: 11.247+/-0.002 χ^2/NDF:311568.1/34

Out: 11.340+/-0.002 χ^2/NDF:321427.2/39

All: 11.294+/-0.001 χ^2/NDF: 634535.4/74

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 145.713+/-52.920 χ^2/NDF:6.9/20

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 105.407+/-48.172 χ^2/NDF:6.5/18

Left: 123.671+/-35.623 χ^2/NDF: 13.7/39

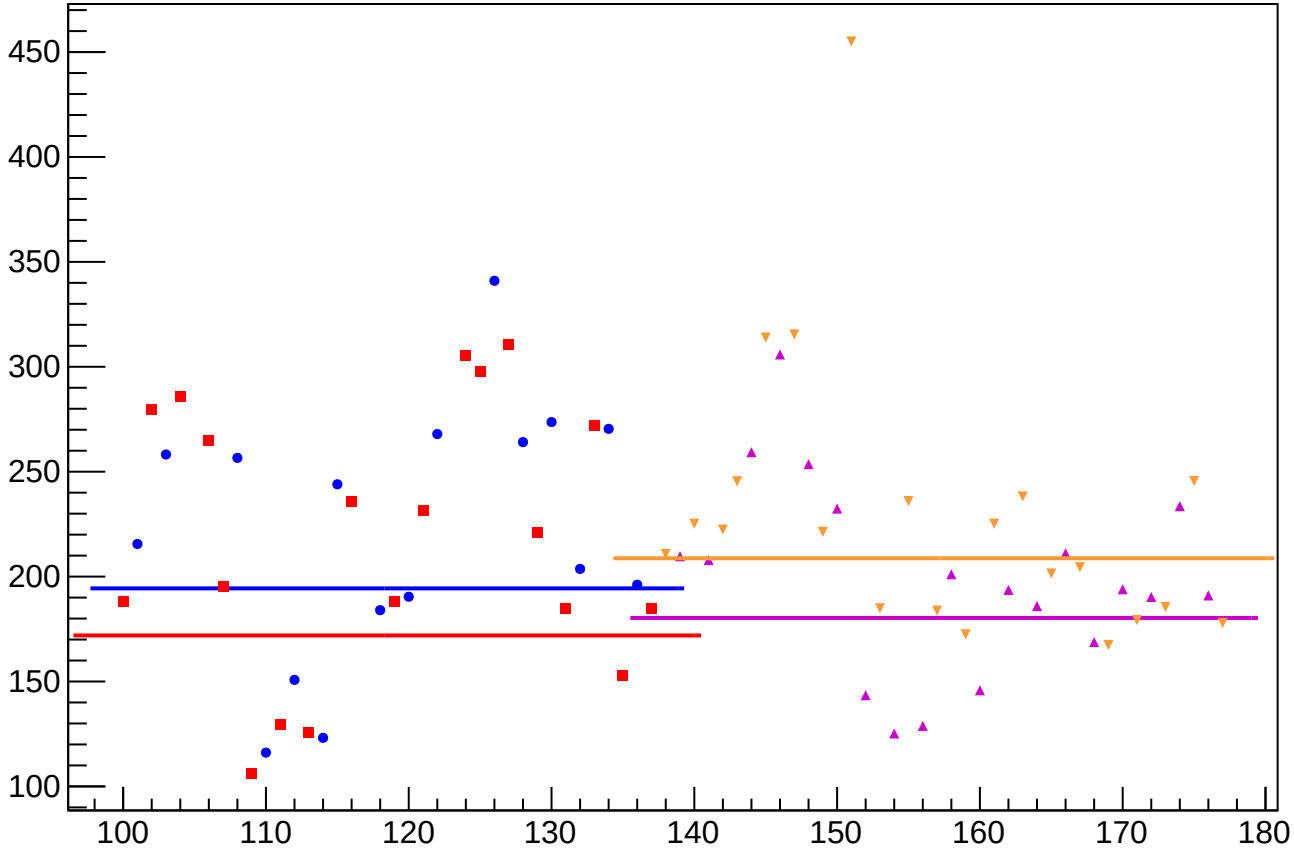
Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 62.698+/-40.752 χ^2/NDF:24.7/34

Out: 41.201+/-41.826 χ^2/NDF:30.1/39

All: 52.229+/-29.188 χ^2/NDF: 55.0/74

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: 208.742+/-0.037 χ^2/NDF:1320607.9/20

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 180.282+/-0.034 χ^2/NDF:1636042.8/18

Left: 193.178+/-0.025 χ^2/NDF: 3272984.2/39

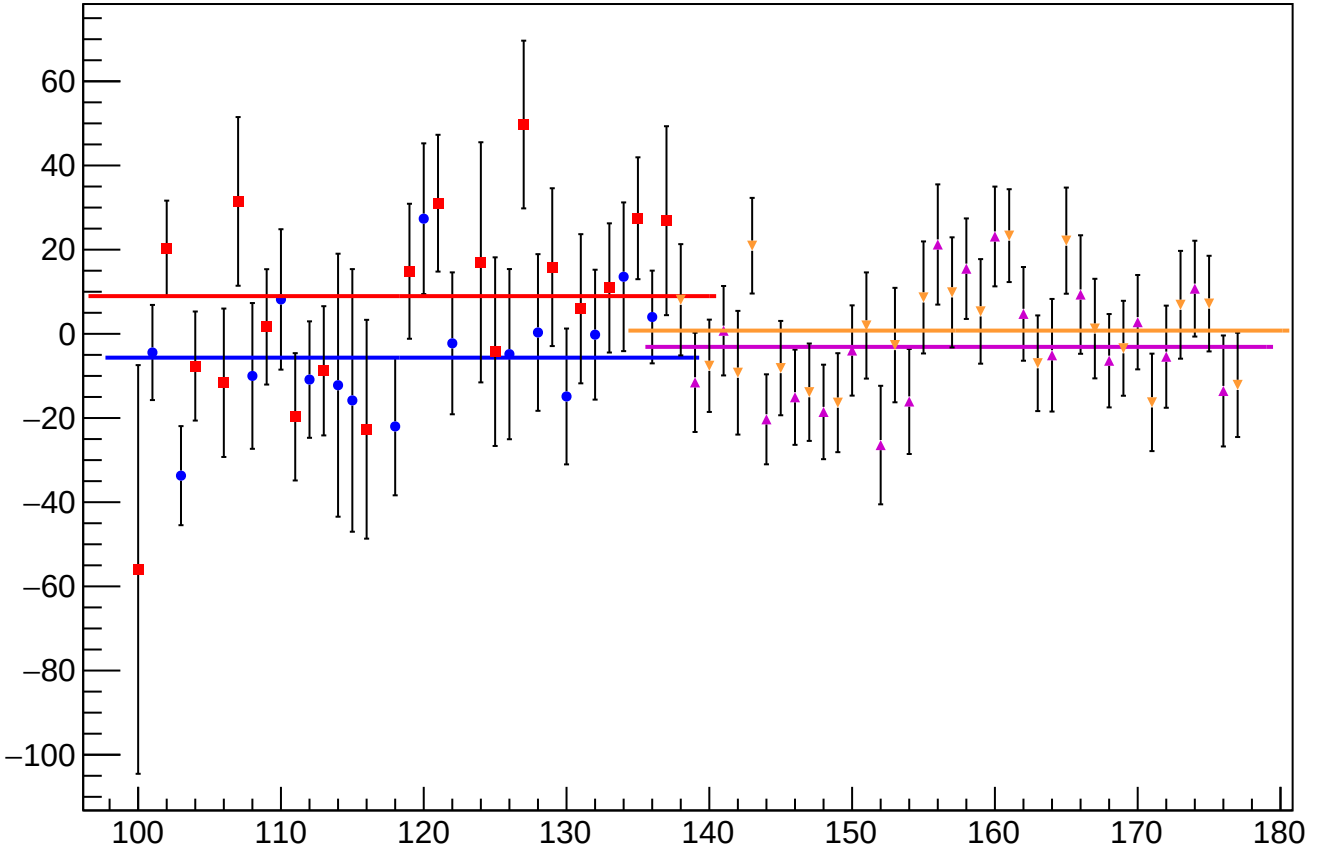
Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 184.292+/-0.029 χ^2/NDF:2726812.8/34

Out: 194.932+/-0.030 χ^2/NDF:3334817.8/39

All: 189.474+/-0.021 χ^2/NDF: 6128027.5/74

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 0.771+/-2.637 χ^2/NDF:21.4/20

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -3.098+/-2.724 χ^2/NDF:24.1/18

Left: -1.101+/-1.894 χ^2/NDF: 46.5/39

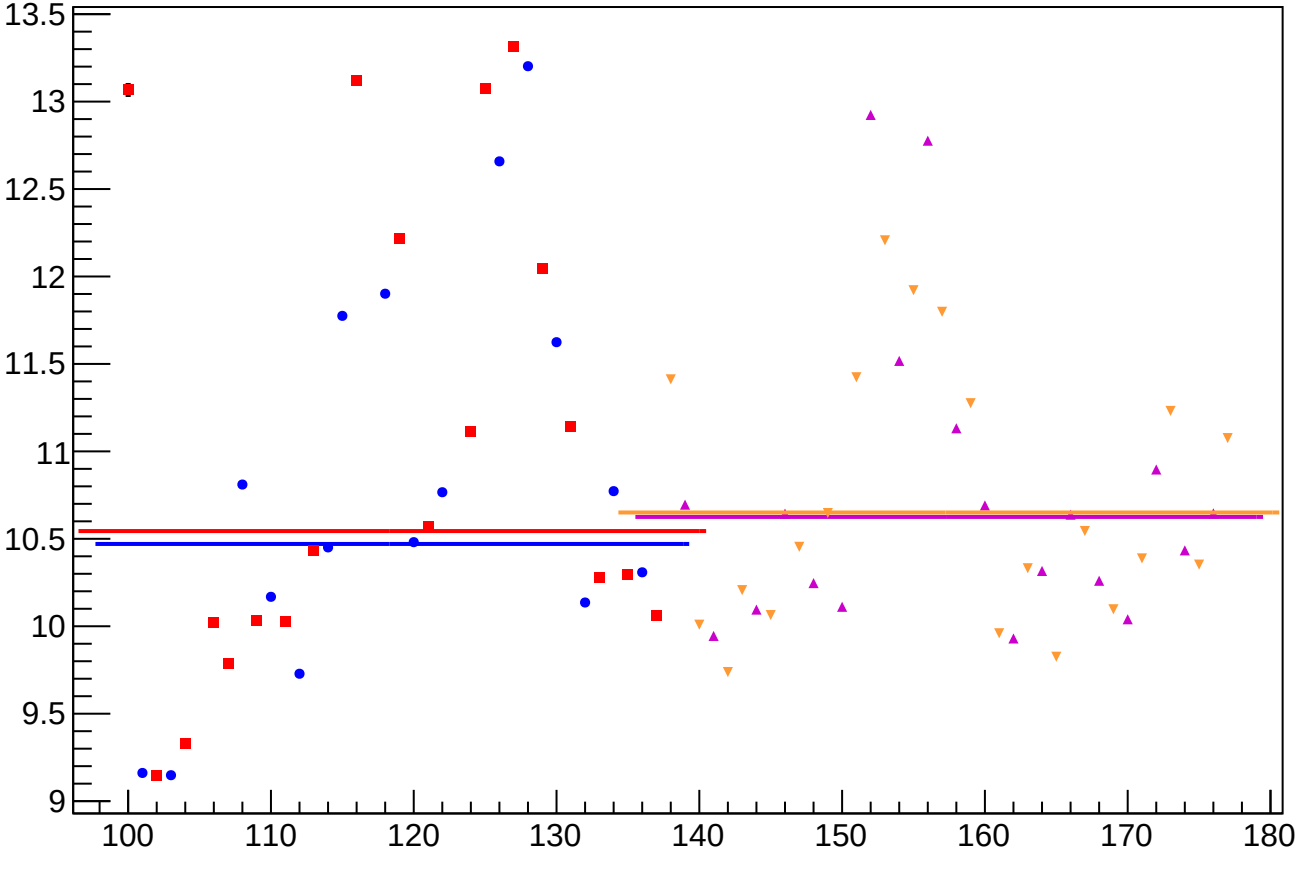
Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -3.926+/-2.240 χ^2/NDF:38.1/34

Out: 3.339+/-2.185 χ^2/NDF:47.2/39

All: -0.202+/-1.564 χ^2/NDF: 90.6/74

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: 10.651+/-0.002 χ^2/NDF:134533.3/20

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.625+/-0.002 χ^2/NDF:150670.6/18

Left: 10.638+/-0.001 χ^2/NDF: 285293.6/39

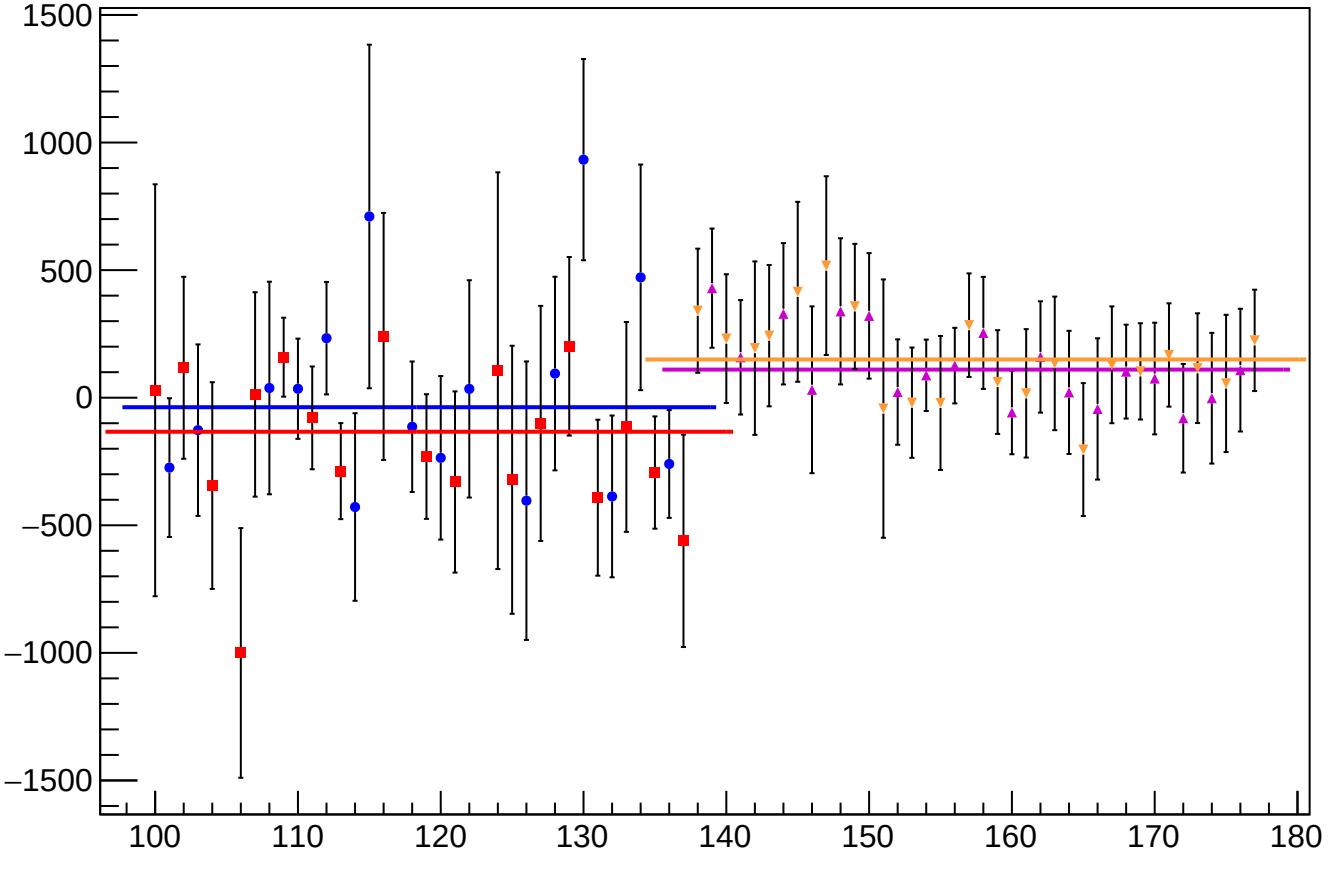
Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.575+/-0.002 χ^2/NDF:310120.8/34

Out: 10.617+/-0.002 χ^2/NDF:322331.9/39

All: 10.597+/-0.001 χ^2/NDF: 632814.5/74

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: 149.957+/-53.230 χ^2/NDF:7.5/20

Right Out: -133.386+/-68.885 χ^2/NDF: 12.9/18

Left In: 110.196+/-48.588 χ^2/NDF:7.2/18

Left: 128.268+/-35.886 χ^2/NDF: 15.0/39

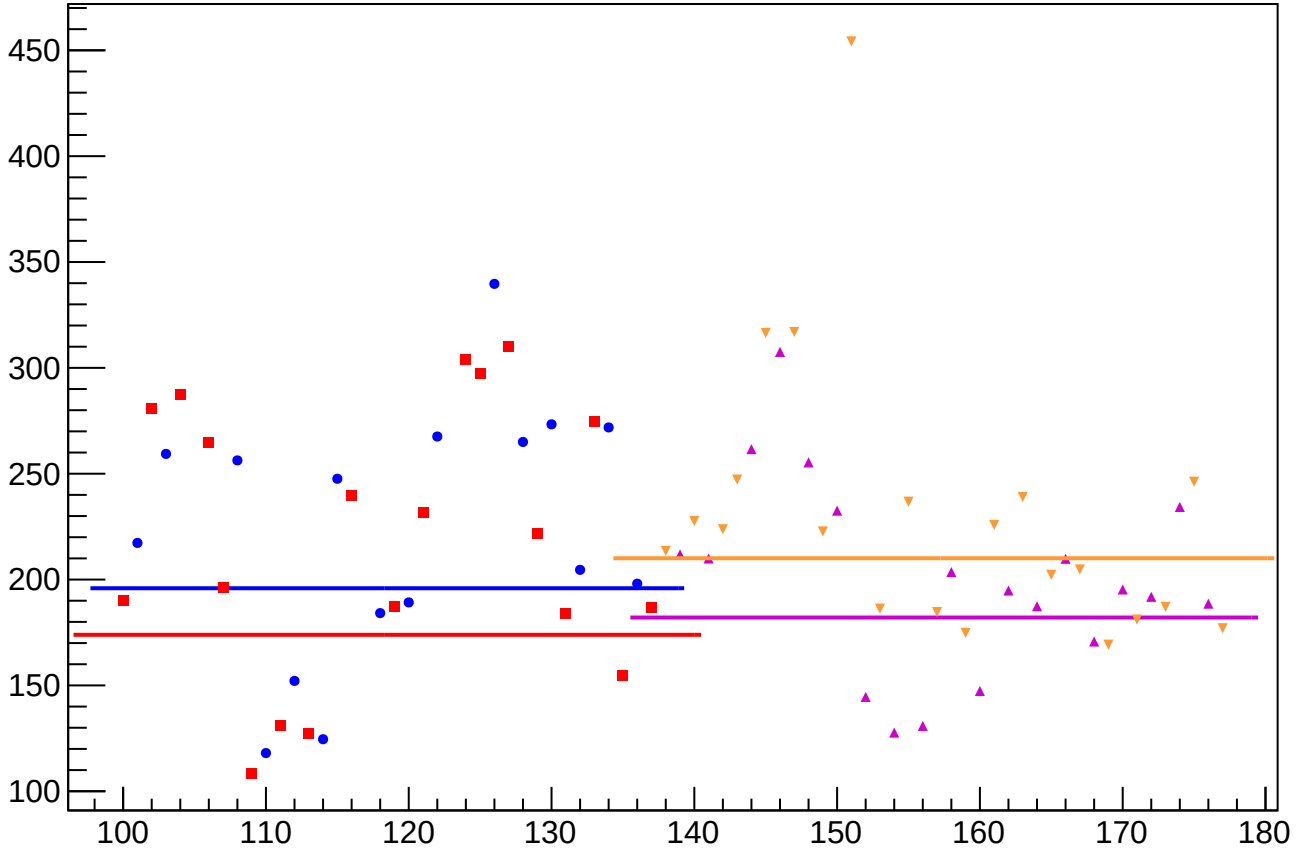
Right: -90.593+/-51.314 χ^2/NDF: 29.4/34

In: 68.141+/-41.078 χ^2/NDF:25.5/34

Out: 44.024+/-42.120 χ^2/NDF:31.0/39

All: 56.385+/-29.408 χ^2/NDF: 56.6/74

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: 210.066+/-0.038 χ^2/NDF:1308764.9/20

Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 182.058+/-0.034 χ^2/NDF:1585263.2/18

Left: 194.788+/-0.025 χ^2/NDF: 3196073.2/39

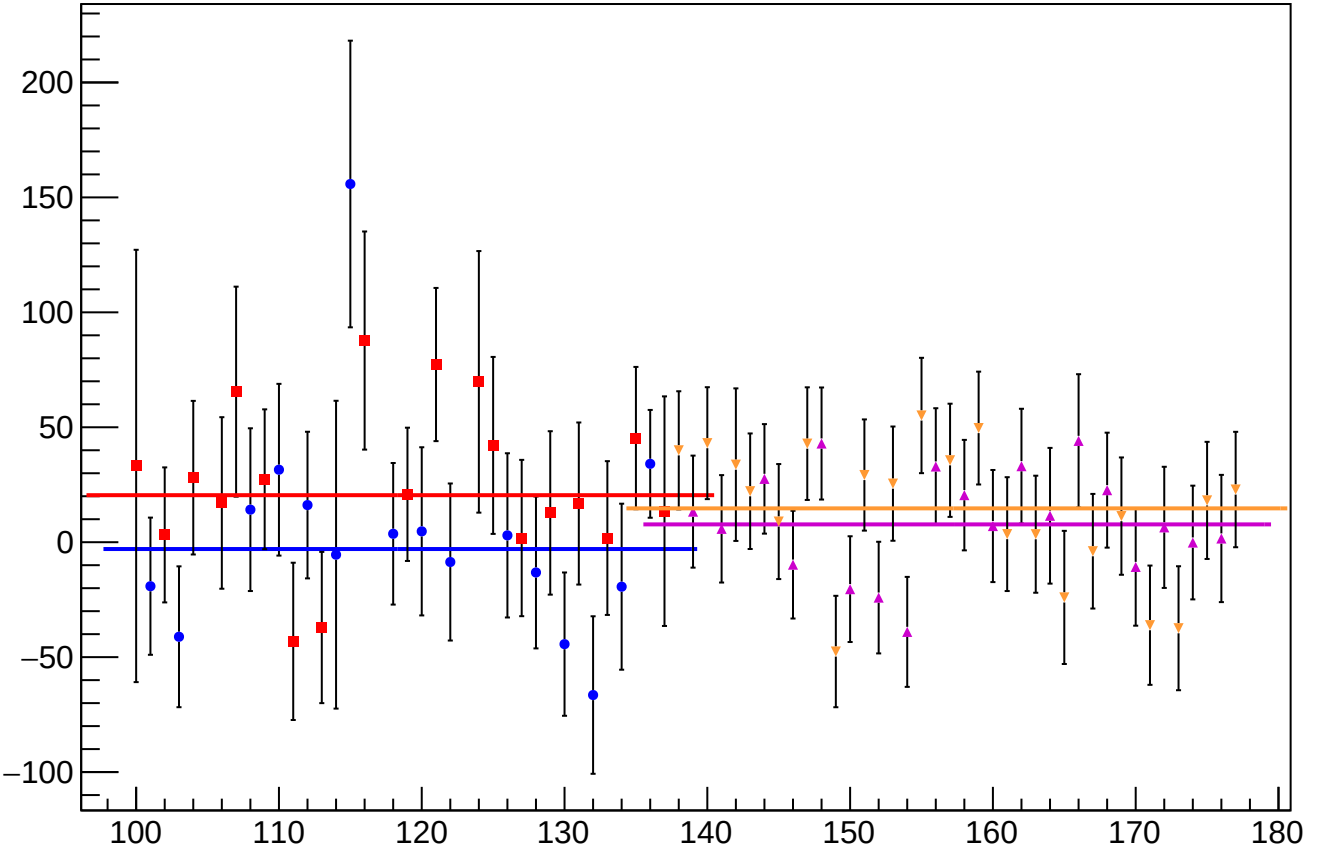
Right: 183.693+/-0.036 χ^2/NDF: 2701402.5/34

In: 186.006+/-0.029 χ^2/NDF:2642569.7/34

Out: 196.545+/-0.030 χ^2/NDF:3253526.9/39

All: 191.144+/-0.021 χ^2/NDF: 5960271.8/74

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 14.719+/-5.557 χ^2/NDF:27.1/20

Right Out: 20.457+/-8.292 χ^2/NDF: 15.3/18

Left In: 7.750+/-5.723 χ^2/NDF:15.3/18

Left: 11.337+/-3.987 χ^2/NDF: 43.2/39

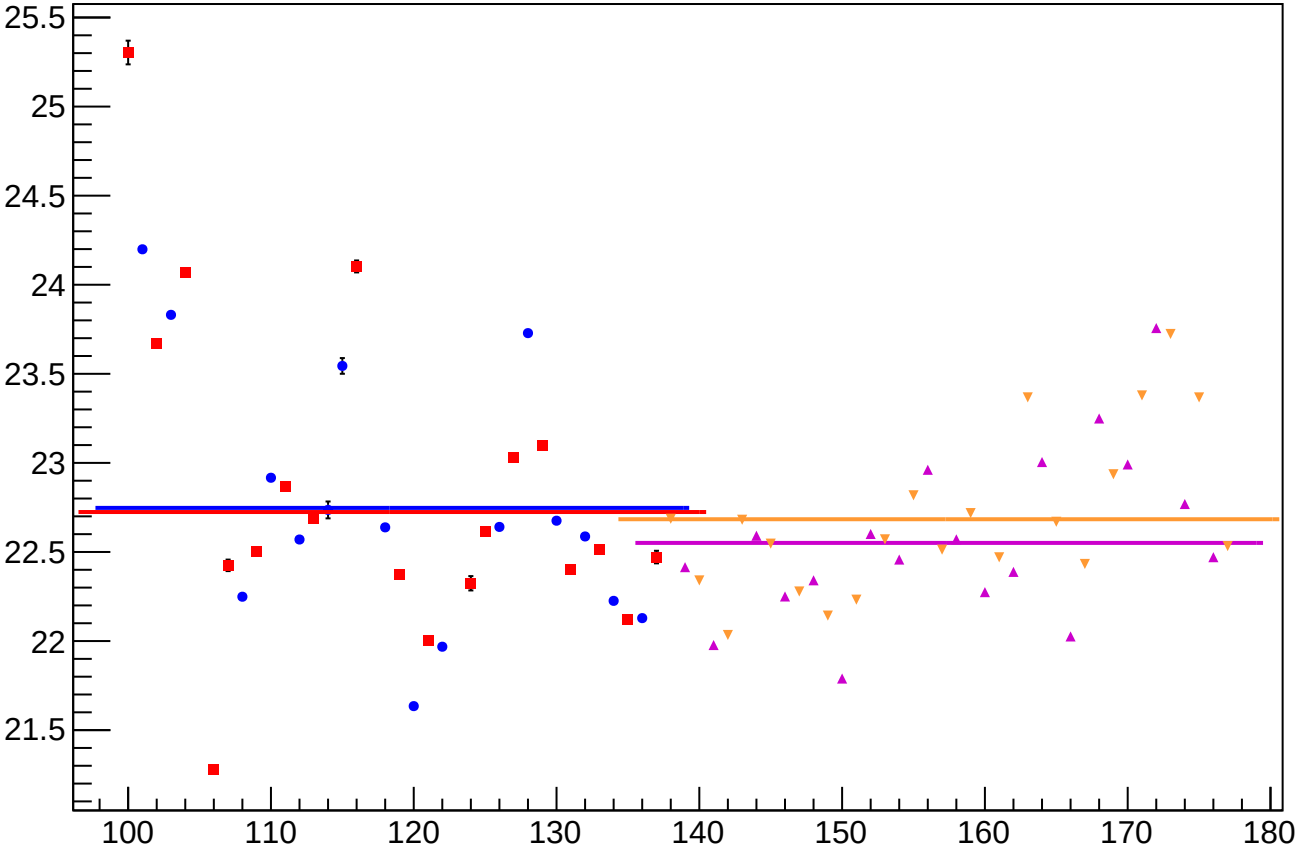
Right: 8.972+/-5.920 χ^2/NDF: 37.1/34

In: 4.382+/-4.739 χ^2/NDF:34.4/34

Out: 16.497+/-4.616 χ^2/NDF:42.7/39

All: 10.599+/-3.307 χ^2/NDF: 80.4/74

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: 22.684+/-0.004 χ^2/NDF:11577.8/20

Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.551+/-0.004 χ^2/NDF:12488.9/18

Left: 22.619+/-0.003 χ^2/NDF: 24621.5/39

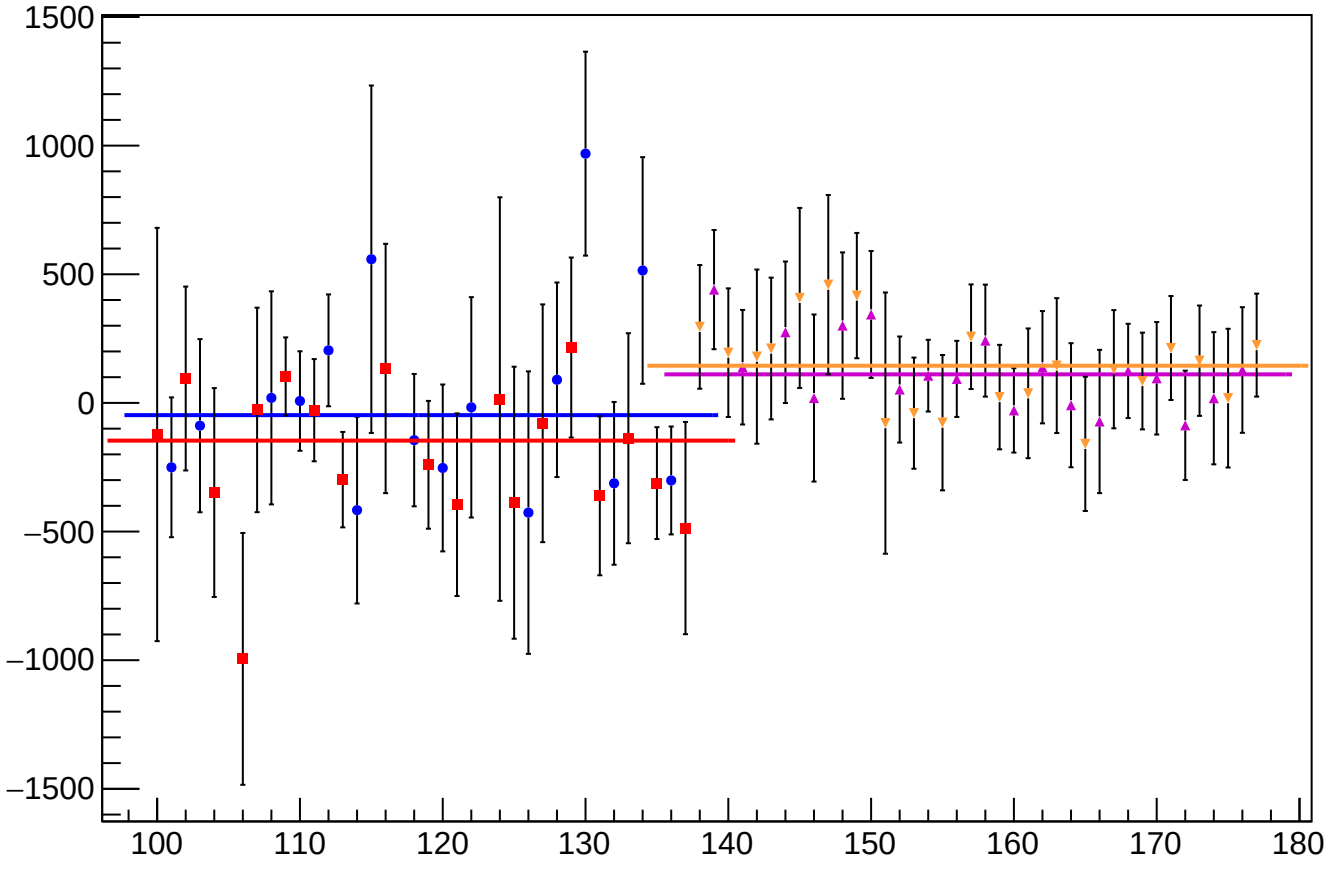
Right: 22.736+/-0.004 χ^2/NDF: 29121.1/34

In: 22.613+/-0.003 χ^2/NDF:27853.3/34

Out: 22.696+/-0.003 χ^2/NDF:26101.3/39

All: 22.656+/-0.002 χ^2/NDF: 54274.1/74

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 144.555+/-53.163 χ^2/NDF:7.6/20

Right Out: -146.573+/-68.398 χ^2/NDF: 11.6/18

Left In: 110.976+/-48.497 χ^2/NDF:6.7/18

Left: 126.227+/-35.829 χ^2/NDF: 14.5/39

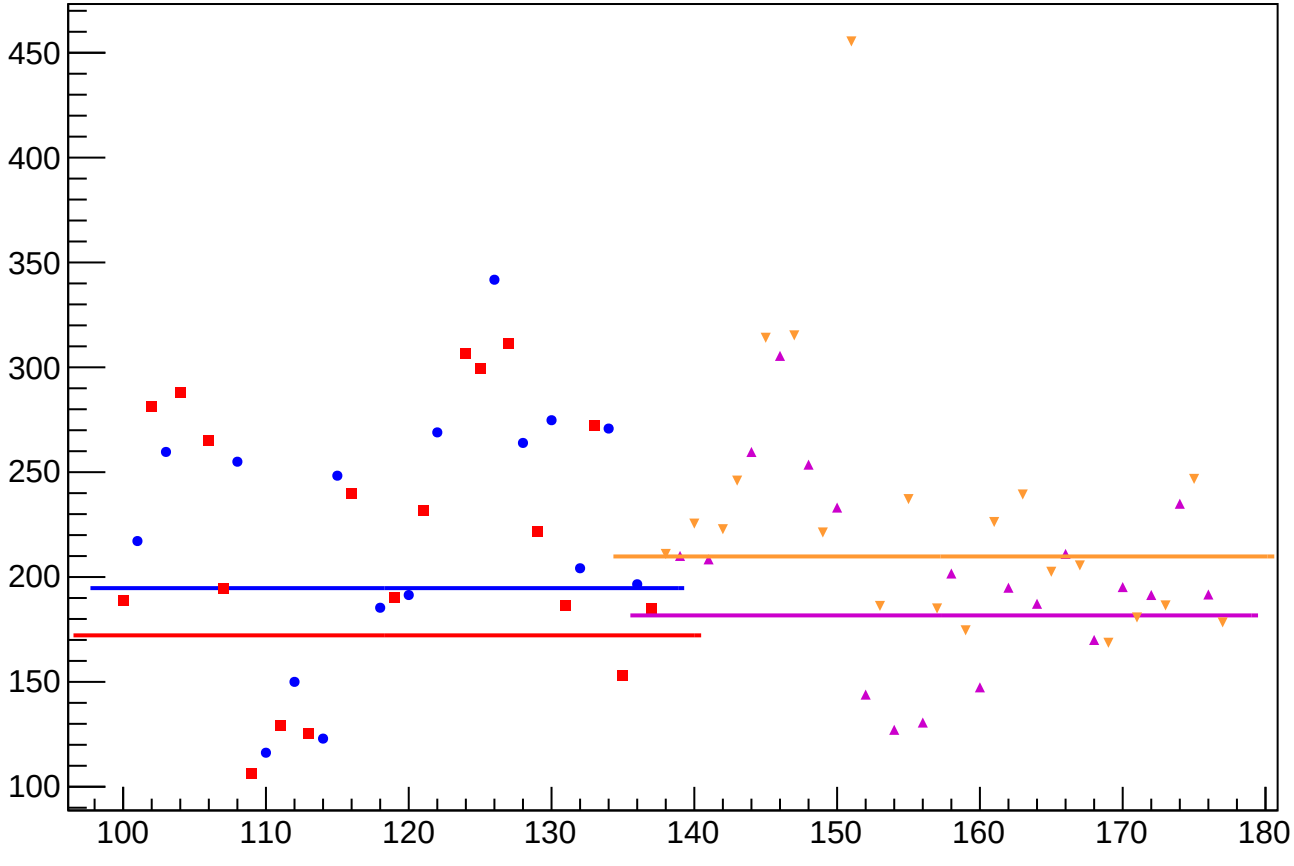
Right: -102.614+/-51.010 χ^2/NDF: 27.9/34

In: 65.599+/-40.970 χ^2/NDF:25.2/34

Out: 34.913+/-41.975 χ^2/NDF:30.4/39

All: 50.628+/-29.319 χ^2/NDF: 55.9/74

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: 209.814+/-0.038 χ^2/NDF:1297728.4/20

Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 181.699+/-0.034 χ^2/NDF:1580736.4/18

Left: 194.469+/-0.025 χ^2/NDF: 3183770.5/39

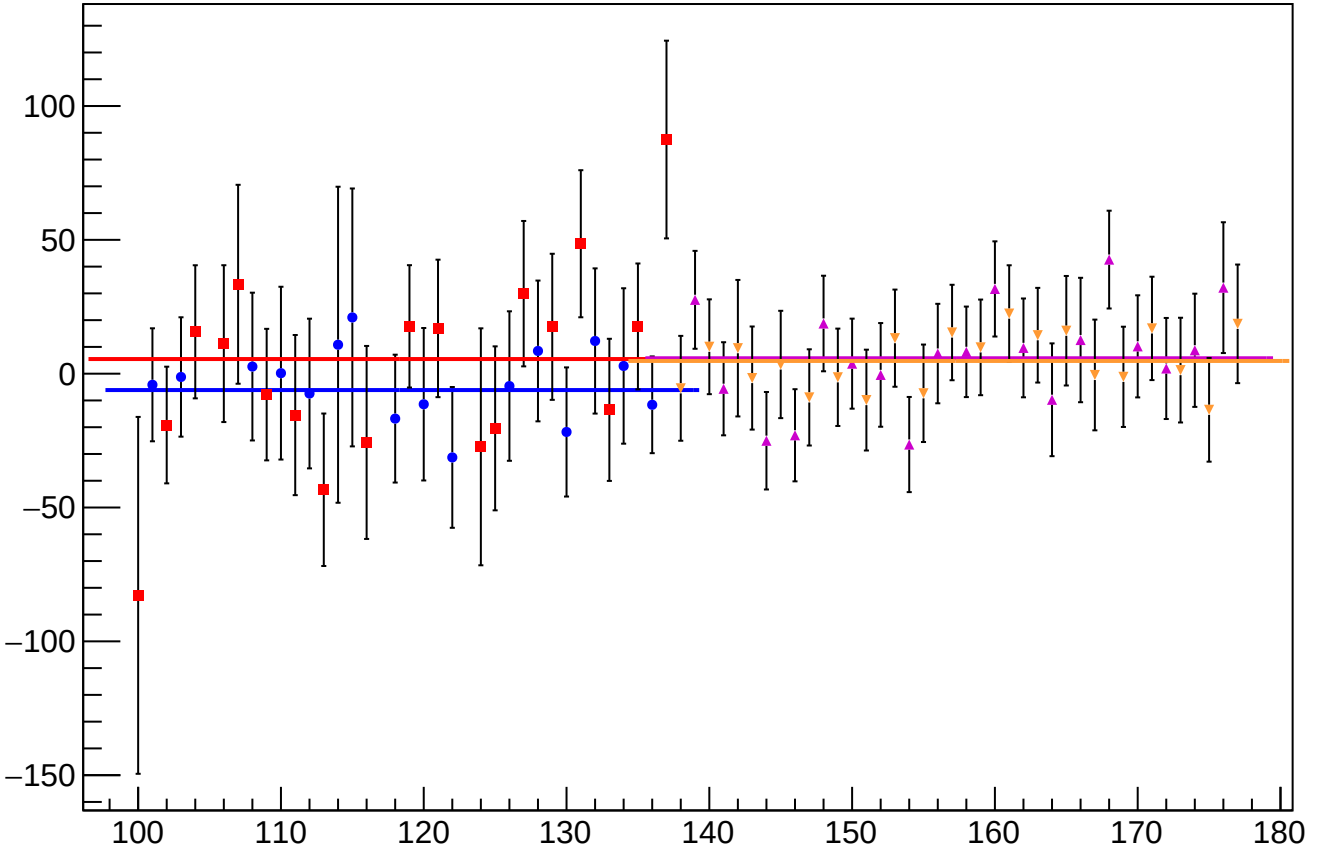
Right: 182.181+/-0.036 χ^2/NDF: 2819594.0/34

In: 185.423+/-0.029 χ^2/NDF:2674227.2/34

Out: 195.643+/-0.030 χ^2/NDF:3346131.8/39

All: 190.409+/-0.021 χ^2/NDF: 6081073.6/74

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 4.758+/-4.166 χ^2/NDF:6.3/20

Right Out: 5.470+/-6.509 χ^2/NDF: 19.2/18

Left In: 5.760+/-4.293 χ^2/NDF:19.6/18

Left: 5.244+/-2.990 χ^2/NDF: 26.0/39

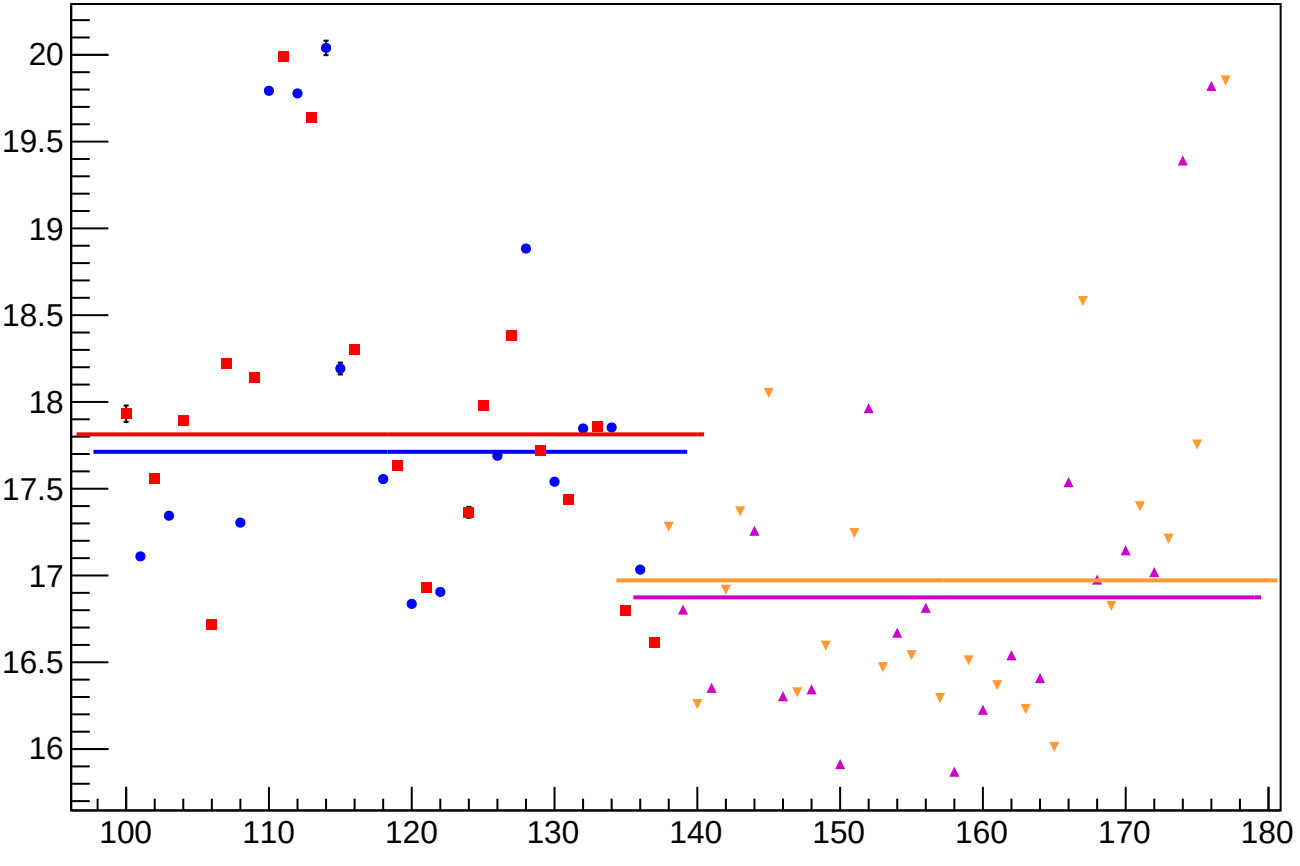
Right: -0.251+/-4.632 χ^2/NDF: 23.9/34

In: 2.222+/-3.598 χ^2/NDF:25.0/34

Out: 4.965+/-3.509 χ^2/NDF:25.5/39

All: 3.628+/-2.512 χ^2/NDF: 50.9/74

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.972+/-0.003 χ^2/NDF:81836.7/20

Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.874+/-0.003 χ^2/NDF:90801.5/18

Left: 16.924+/-0.002 χ^2/NDF: 173174.1/39

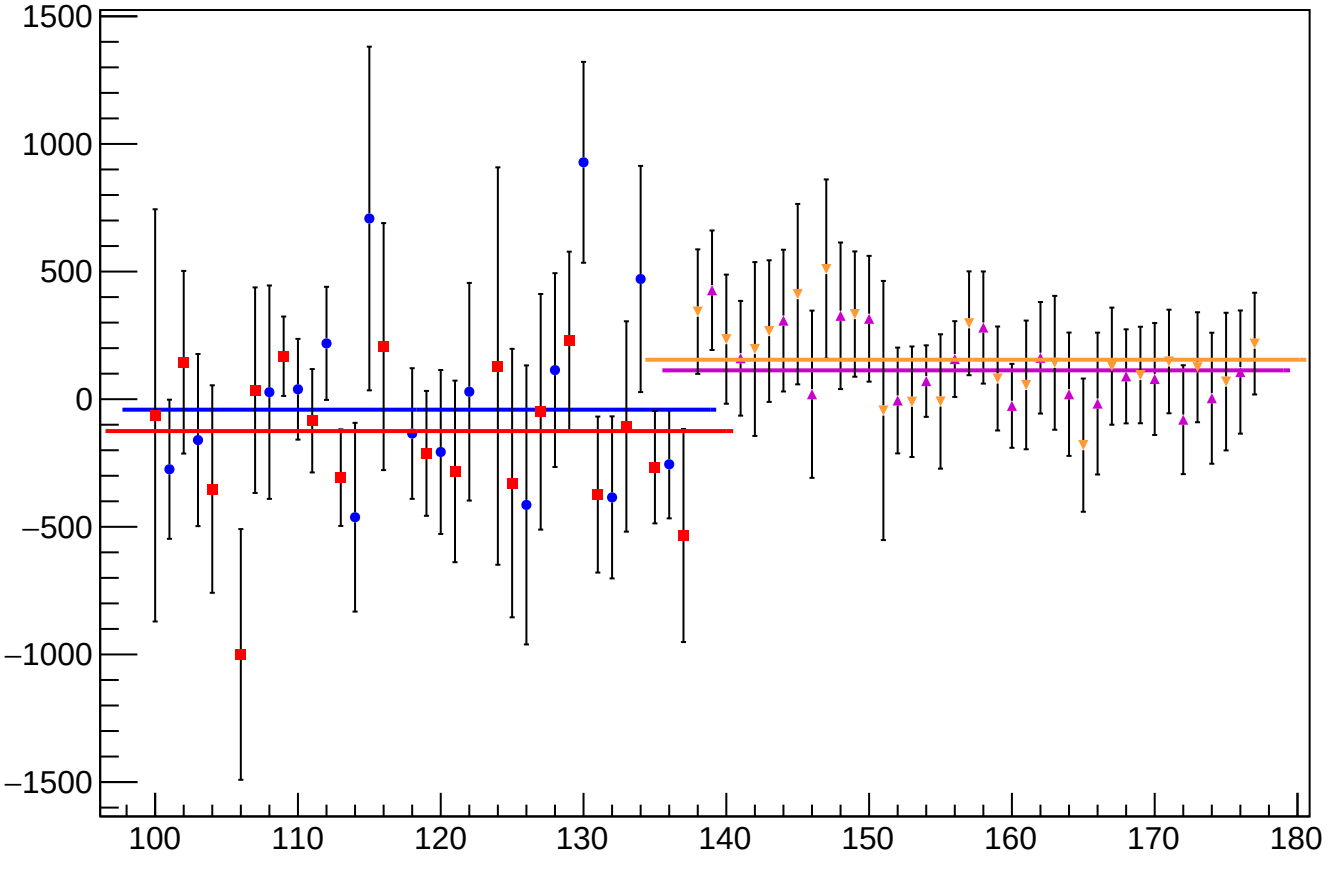
Right: 17.764+/-0.003 χ^2/NDF: 68933.0/34

In: 17.124+/-0.003 χ^2/NDF:149513.8/34

Out: 17.216+/-0.002 χ^2/NDF:138257.2/39

All: 17.171+/-0.002 χ^2/NDF: 288450.6/74

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: 154.627+/-53.349 χ^2/NDF:6.8/20

Right Out: -124.872+/-69.109 χ^2/NDF: 12.9/18

Left In: 113.031+/-48.686 χ^2/NDF:6.9/18

Left: 131.932+/-35.962 χ^2/NDF: 14.1/39

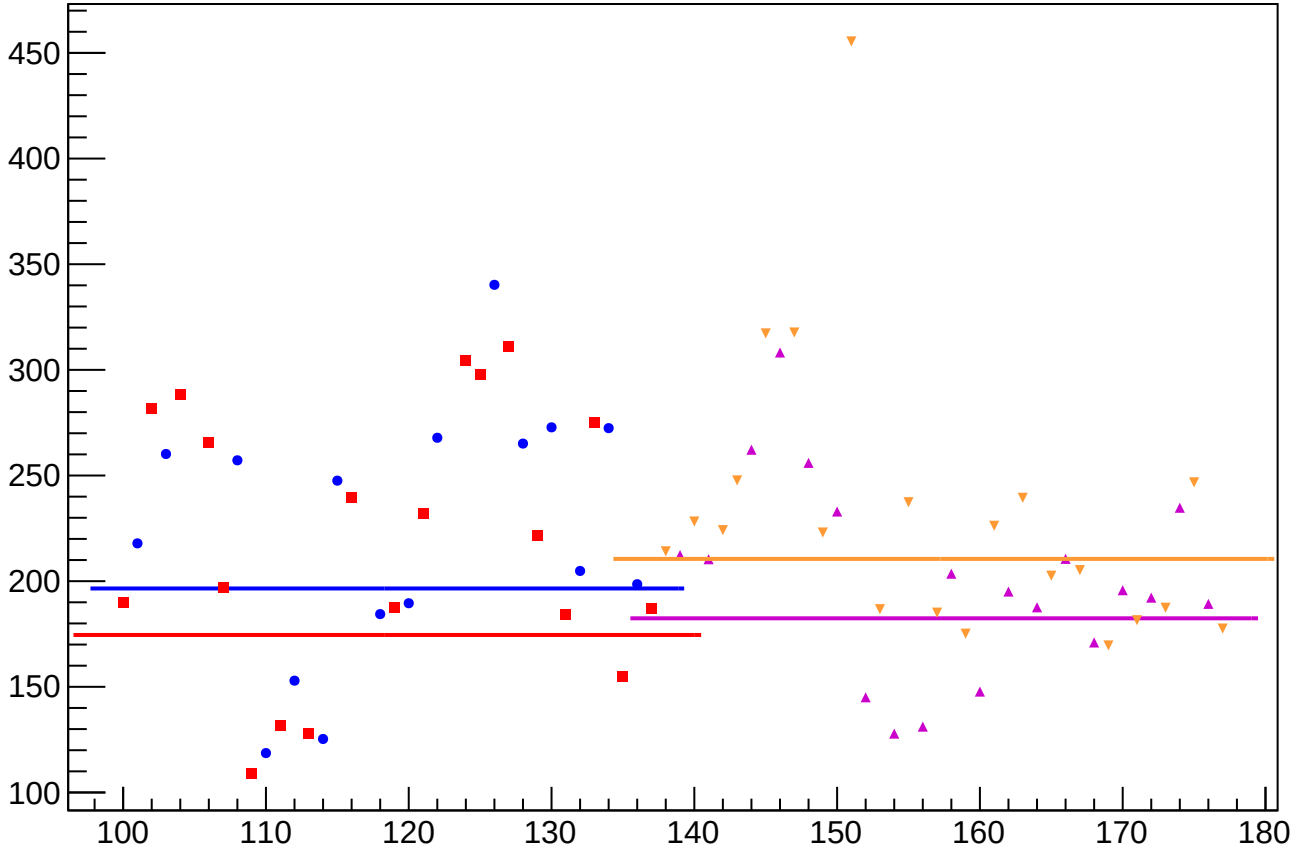
Right: -87.579+/-51.473 χ^2/NDF: 29.1/34

In: 69.120+/-41.171 χ^2/NDF:25.4/34

Out: 50.262+/-42.230 χ^2/NDF:30.0/39

All: 59.930+/-29.480 χ^2/NDF: 55.4/74

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: 210.536+/-0.038 χ^2/NDF:1308473.5/20

Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 182.422+/-0.034 χ^2/NDF:1585406.9/18

Left: 195.197+/-0.025 χ^2/NDF: 3196912.1/39

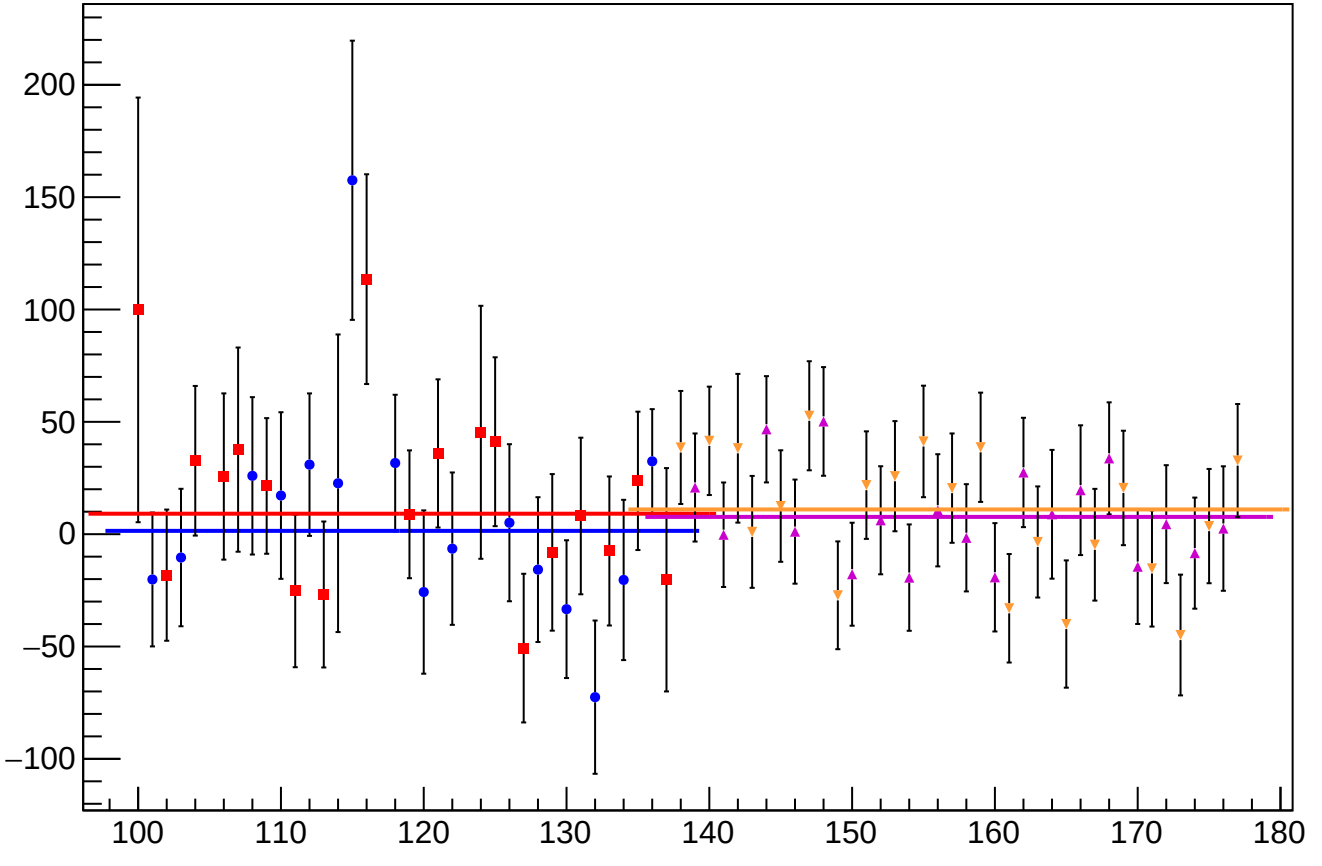
Right: 184.337+/-0.036 χ^2/NDF: 2679758.7/34

In: 186.445+/-0.029 χ^2/NDF:2634099.3/34

Out: 197.095+/-0.030 χ^2/NDF:3237183.6/39

All: 191.635+/-0.021 χ^2/NDF: 5936501.3/74

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 11.011+/-5.500 χ^2/NDF:26.3/20

Right Out: 9.113+/-8.198 χ^2/NDF: 16.5/18

Left In: 7.690+/-5.673 χ^2/NDF:13.4/18

Left: 9.401+/-3.949 χ^2/NDF: 39.9/39

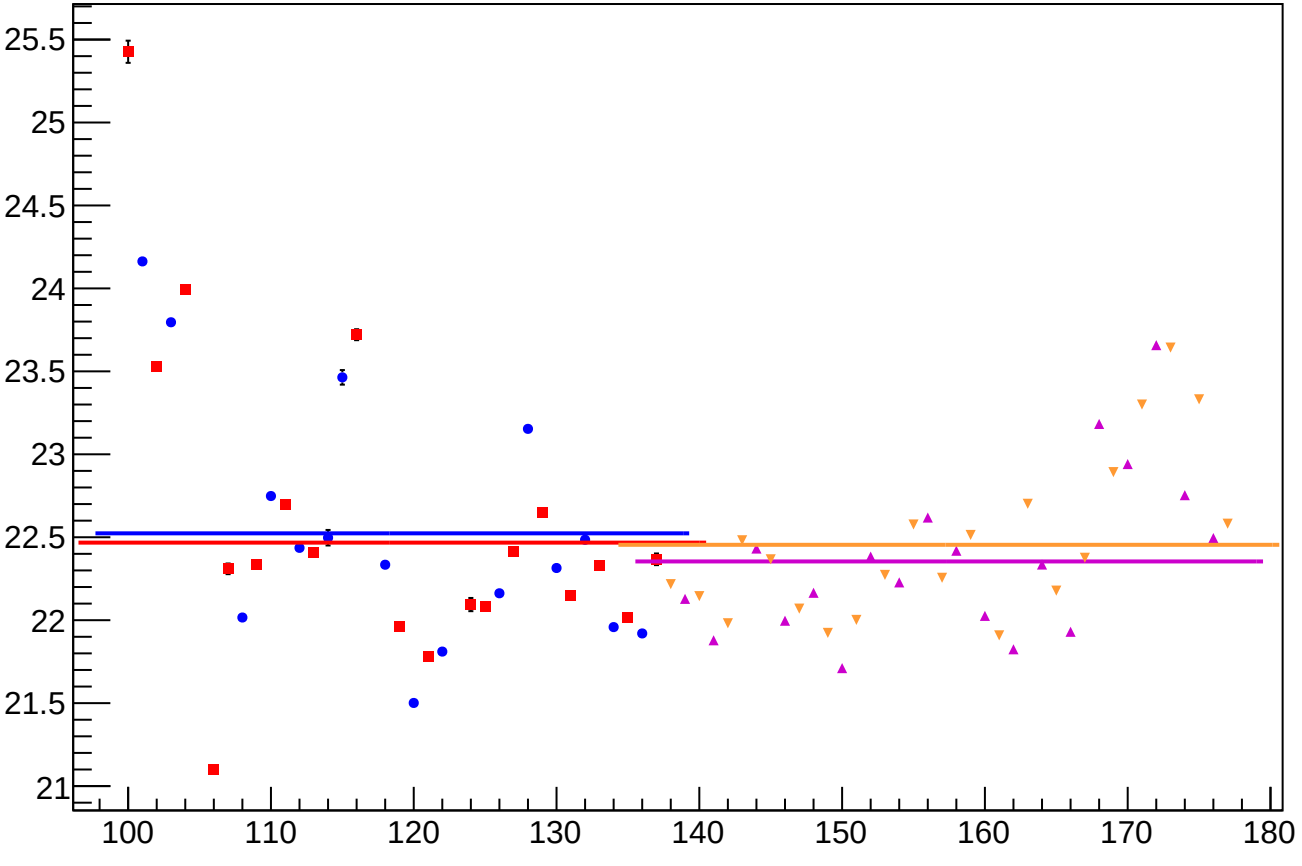
Right: 5.374+/-5.857 χ^2/NDF: 35.6/34

In: 5.734+/-4.696 χ^2/NDF:32.5/34

Out: 10.422+/-4.567 χ^2/NDF:42.8/39

All: 8.143+/-3.274 χ^2/NDF: 75.7/74

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: 22.454+/-0.004 χ^2/NDF:13948.5/20

Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.354+/-0.004 χ^2/NDF:14033.0/18

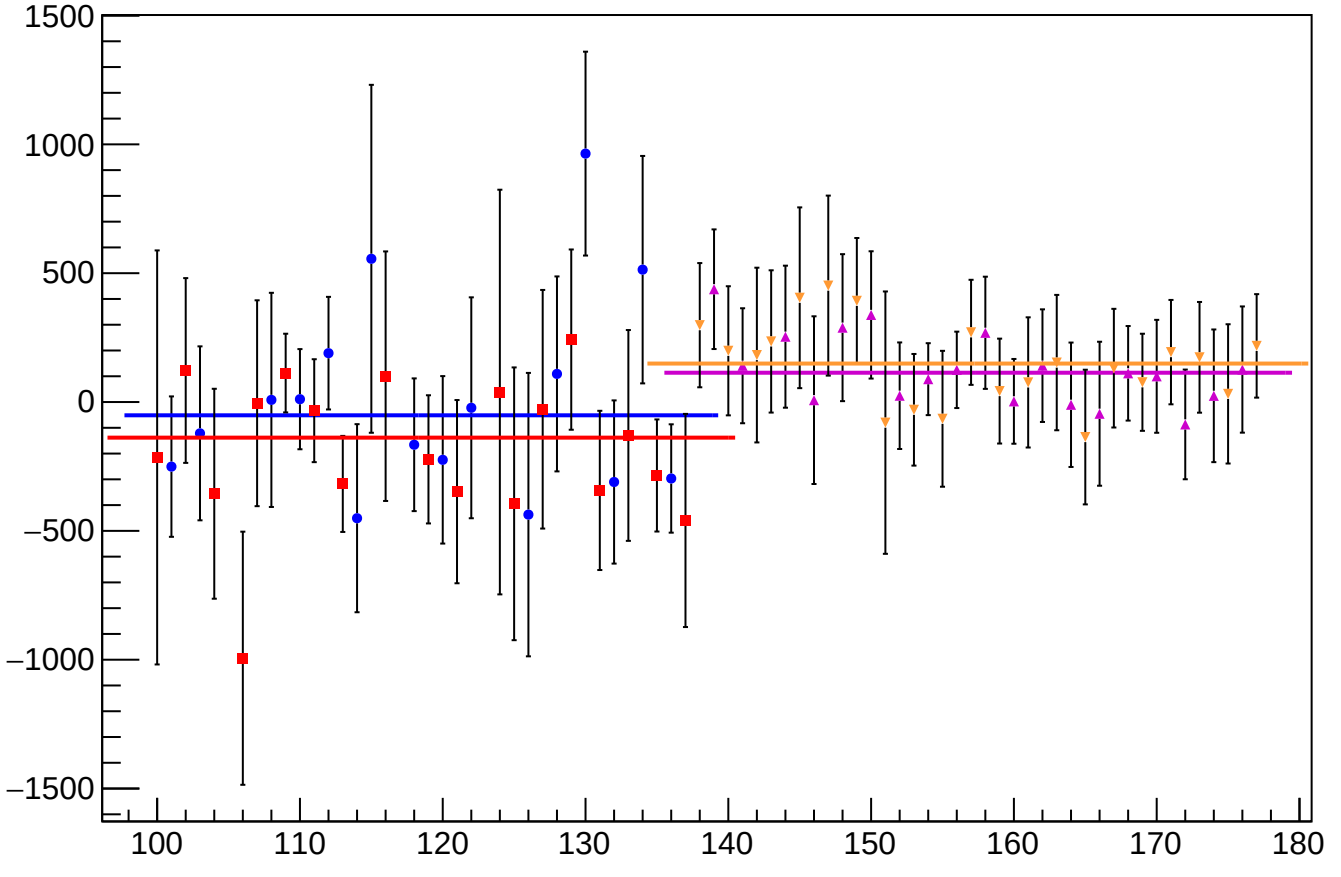
Left: 22.406+/-0.003 χ^2/NDF: 28303.7/39

Right: 22.495+/-0.004 χ^2/NDF: 31619.9/34

In: 22.407+/-0.003 χ^2/NDF:30542.4/34

Out: 22.459+/-0.003 χ^2/NDF:29578.5/39

All: 22.434+/-0.002 χ^2/NDF: 60242.3/74



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 149.317+/-53.282 χ^2/NDF:6.8/20

Right Out: -138.184+/-68.625 χ^2/NDF: 11.6/18

Left In: 113.724+/-48.594 χ^2/NDF:6.3/18

Left: 129.886+/-35.904 χ^2/NDF: 13.4/39

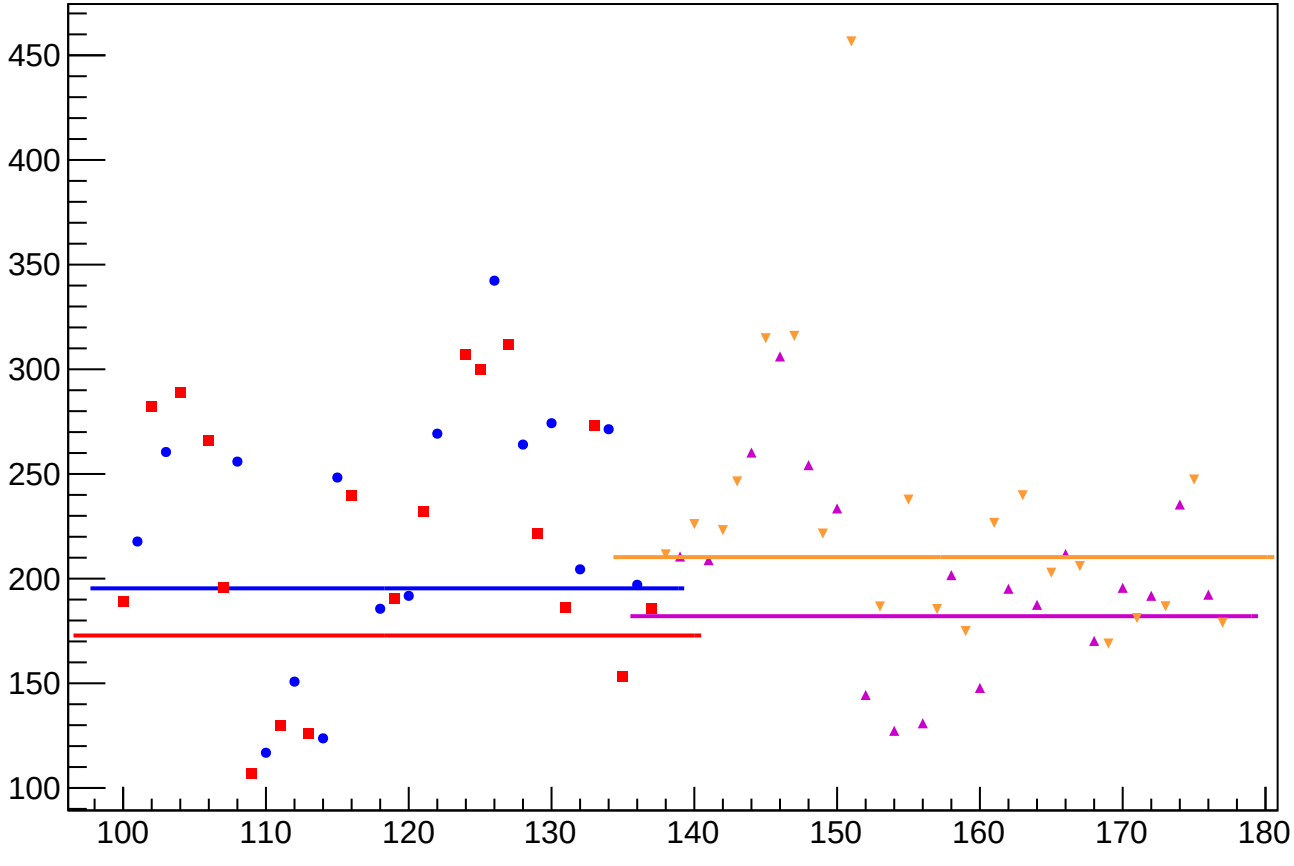
Right: -99.695+/-51.171 χ^2/NDF: 27.7/34

In: 66.489+/-41.064 χ^2/NDF:25.0/34

Out: 41.186+/-42.086 χ^2/NDF:29.3/39

All: 54.148+/-29.391 χ^2/NDF: 54.5/74

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: 210.284+/-0.038 χ^2/NDF:1297456.2/20

Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 182.060+/-0.034 χ^2/NDF:1581063.9/18

Left: 194.876+/-0.025 χ^2/NDF: 3184872.5/39

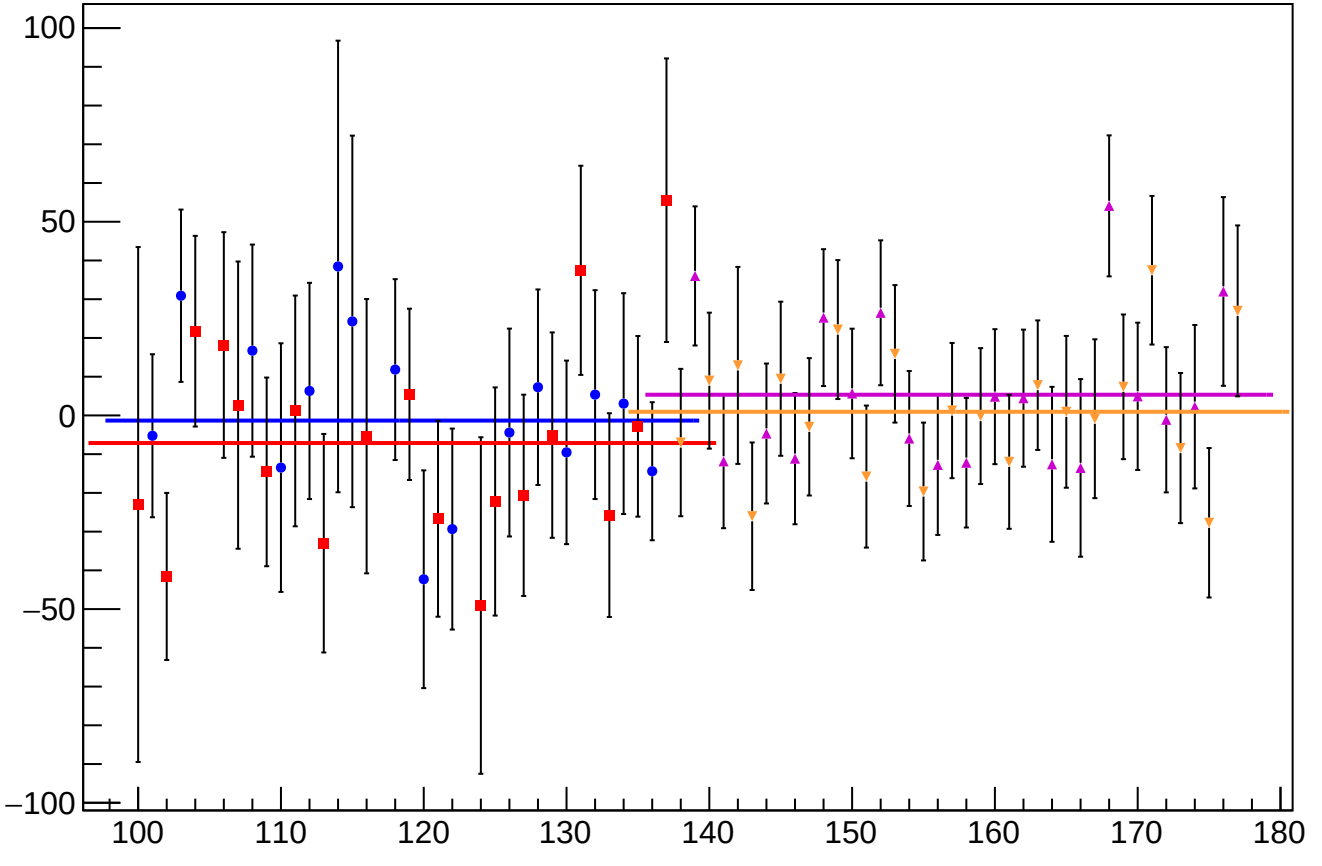
Right: 182.837+/-0.036 χ^2/NDF: 2796519.3/34

In: 185.863+/-0.029 χ^2/NDF:2665335.7/34

Out: 196.200+/-0.030 χ^2/NDF:3328425.5/39

All: 190.904+/-0.021 χ^2/NDF: 6055569.5/74

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 0.942+/-4.087 χ^2/NDF:15.4/20

Right Out: -7.126+/-6.402 χ^2/NDF: 14.4/18

Left In: 5.340+/-4.225 χ^2/NDF:20.2/18

Left: 3.068+/-2.938 χ^2/NDF: 36.2/39

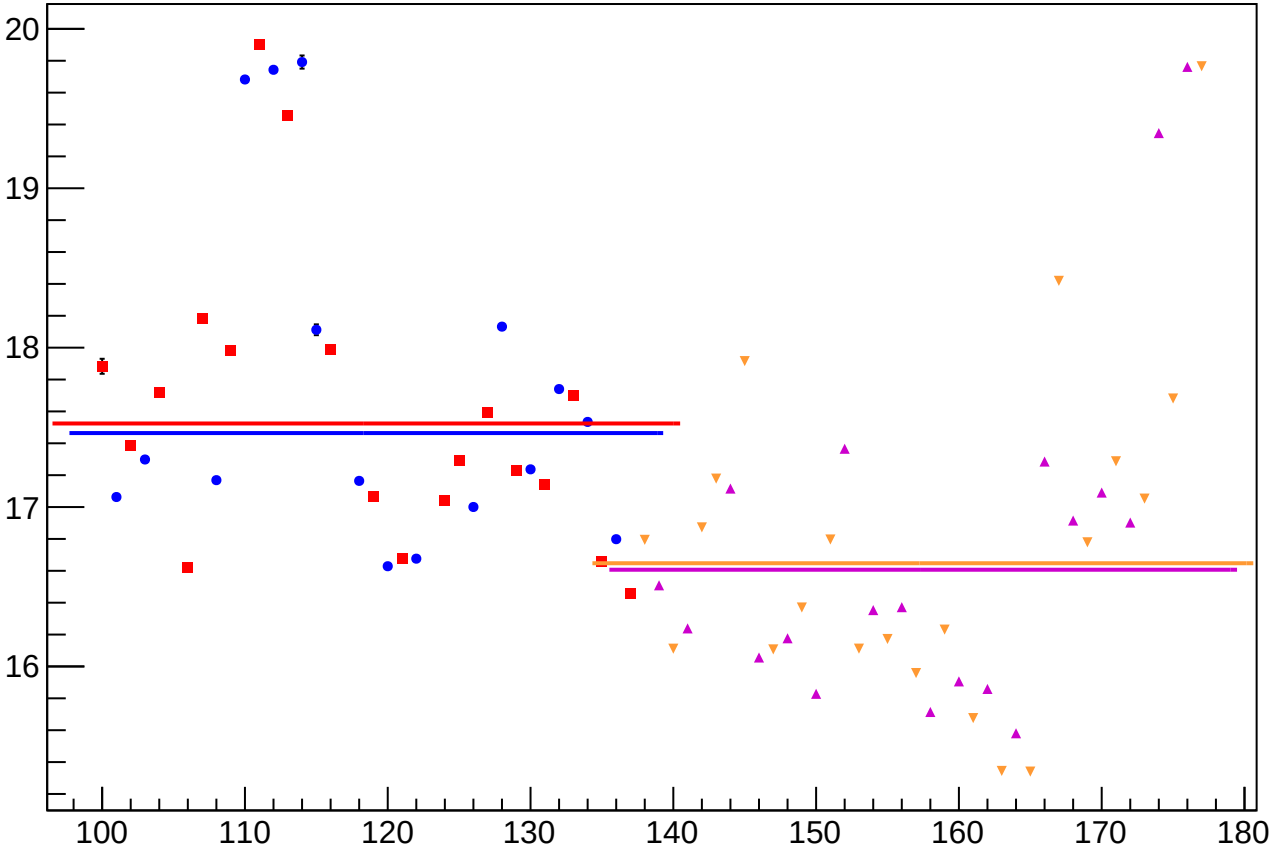
Right: -4.272+/-4.561 χ^2/NDF: 22.8/34

In: 3.358+/-3.542 χ^2/NDF:29.0/34

Out: -1.394+/-3.445 χ^2/NDF:31.0/39

All: 0.916+/-2.470 χ^2/NDF: 60.9/74

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: 16.648+/-0.003 χ^2/NDF:112977.0/20

Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.607+/-0.003 χ^2/NDF:103386.9/18

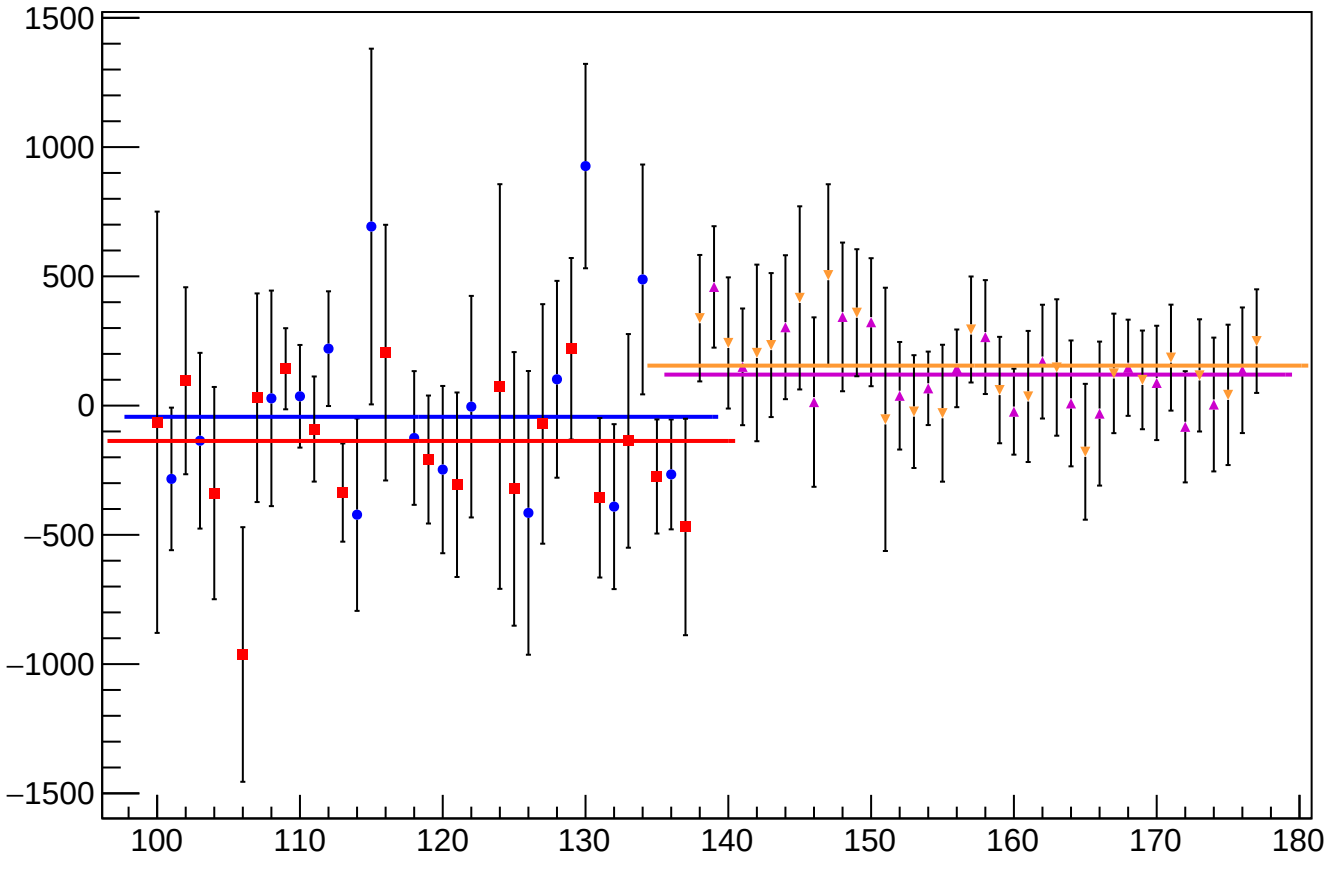
Left: 16.628+/-0.002 χ^2/NDF: 216460.3/39

Right: 17.495+/-0.003 χ^2/NDF: 71463.1/34

In: 16.862+/-0.003 χ^2/NDF:164509.6/34

Out: 16.901+/-0.002 χ^2/NDF:174354.4/39

All: 16.882+/-0.002 χ^2/NDF: 338994.5/74



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 154.678+/-53.691 χ^2/NDF:7.4/20

Right Out: -136.778+/-69.557 χ^2/NDF: 11.5/18

Left In: 119.886+/-49.074 χ^2/NDF:7.1/18

Left: 135.722+/-36.223 χ^2/NDF: 14.7/39

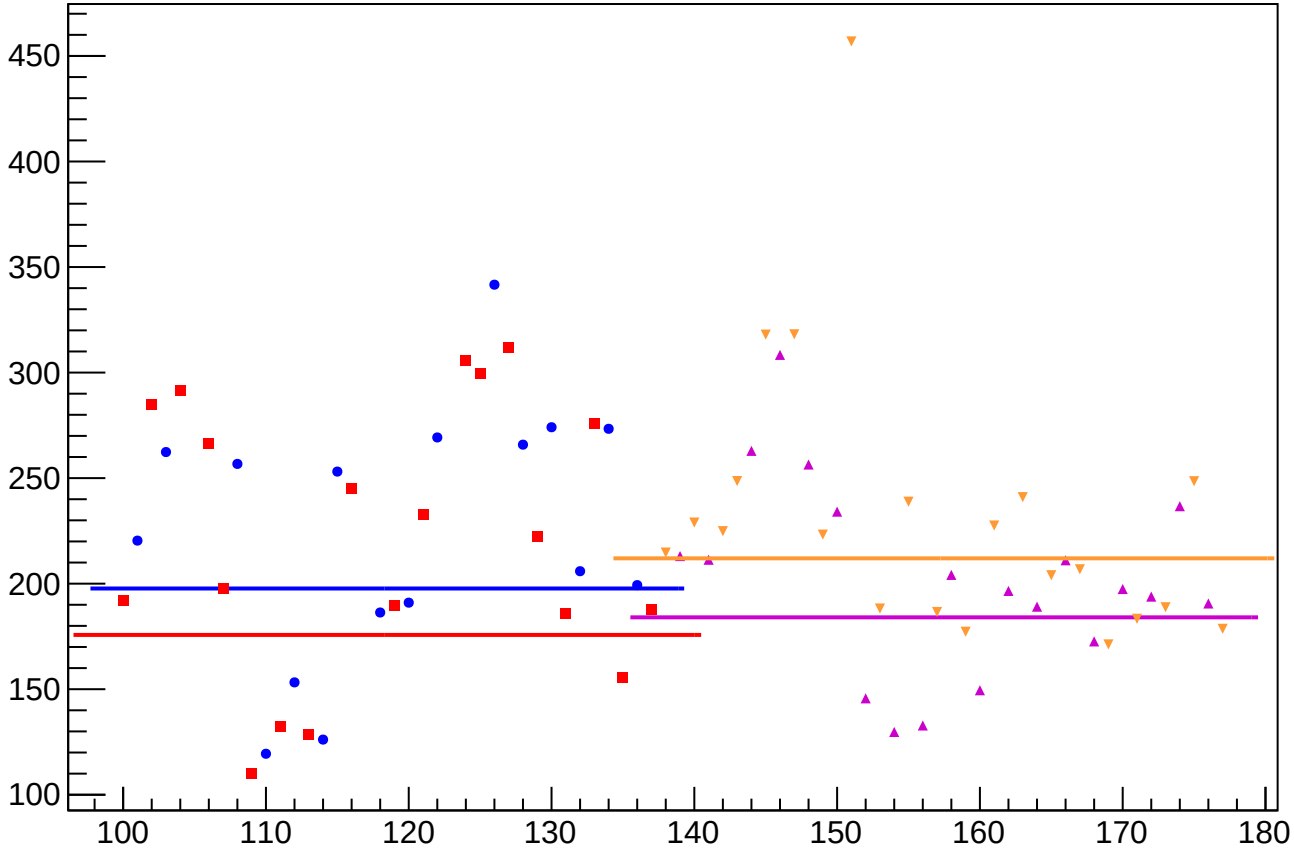
Right: -95.161+/-51.790 χ^2/NDF: 27.8/34

In: 73.229+/-41.474 χ^2/NDF:25.7/34

Out: 45.857+/-42.502 χ^2/NDF:29.9/39

All: 59.878+/-29.683 χ^2/NDF: 55.8/74

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: 211.994+/-0.038 χ^2/NDF:1285821.7/20

Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 184.039+/-0.035 χ^2/NDF:1541633.2/18

Left: 196.763+/-0.026 χ^2/NDF: 3122864.1/39

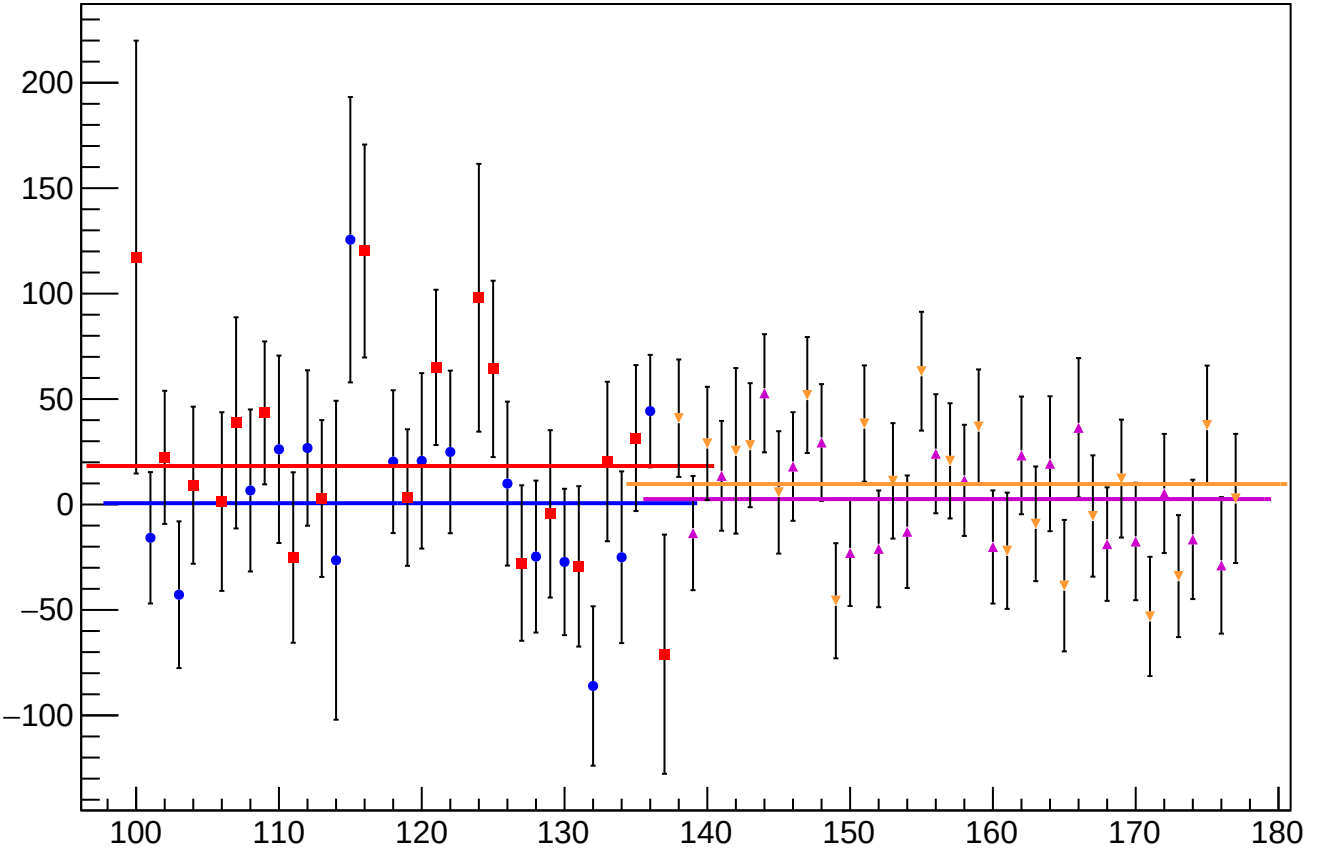
Right: 185.515+/-0.037 χ^2/NDF: 2679972.8/34

In: 187.945+/-0.029 χ^2/NDF:2586295.1/34

Out: 198.449+/-0.030 χ^2/NDF:3217312.7/39

All: 193.068+/-0.021 χ^2/NDF: 5866184.5/74

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 9.690+/-6.213 χ^2/NDF:27.4/20

Right Out: 18.248+/-9.208 χ^2/NDF: 18.0/18

Left In: 2.562+/-6.375 χ^2/NDF:13.0/18

Left: 6.218+/-4.450 χ^2/NDF: 41.0/39

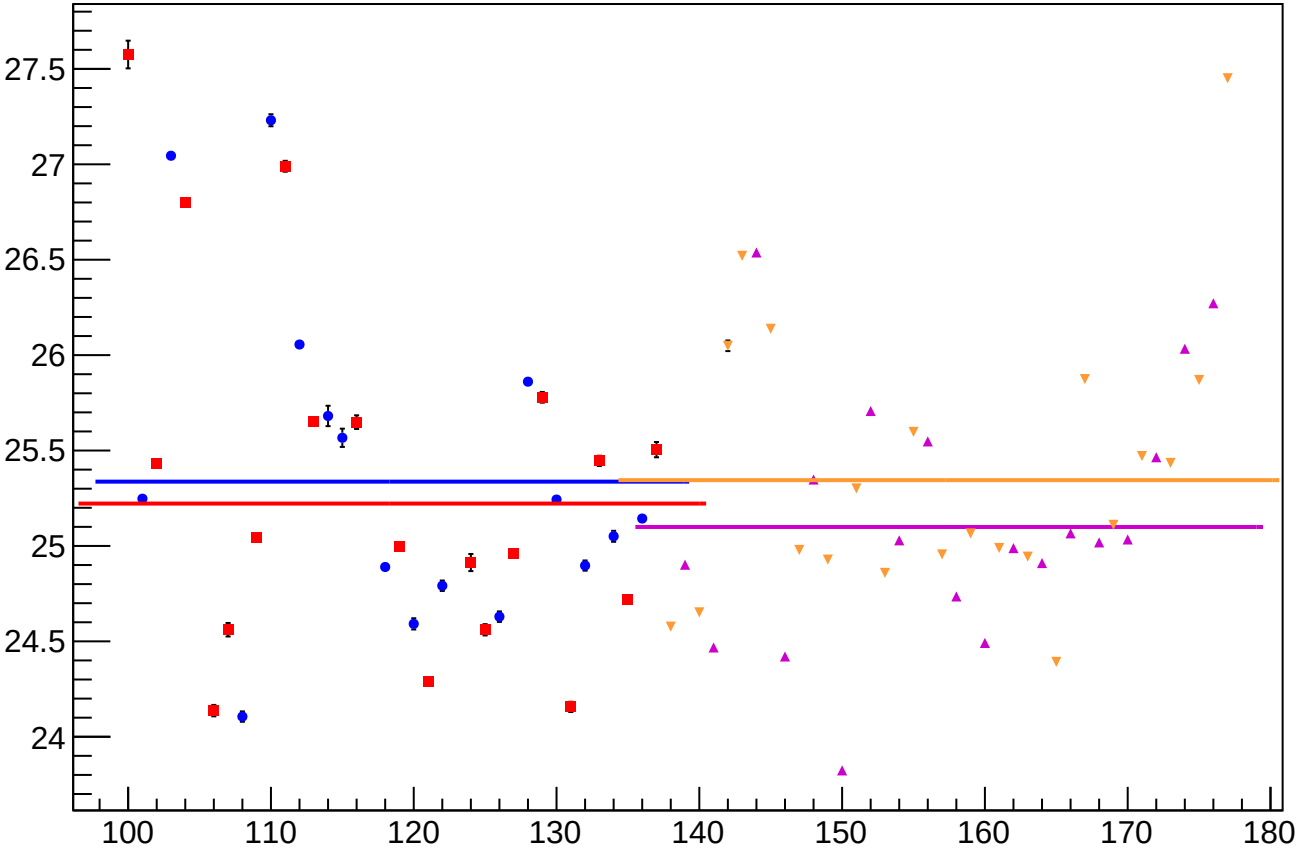
Right: 9.635+/-6.585 χ^2/NDF: 36.5/34

In: 1.952+/-5.280 χ^2/NDF:29.7/34

Out: 12.368+/-5.151 χ^2/NDF:46.0/39

All: 7.289+/-3.687 χ^2/NDF: 77.7/74

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: 25.345+/-0.004 χ^2/NDF:24091.3/20

Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 25.099+/-0.005 χ^2/NDF:21412.6/18

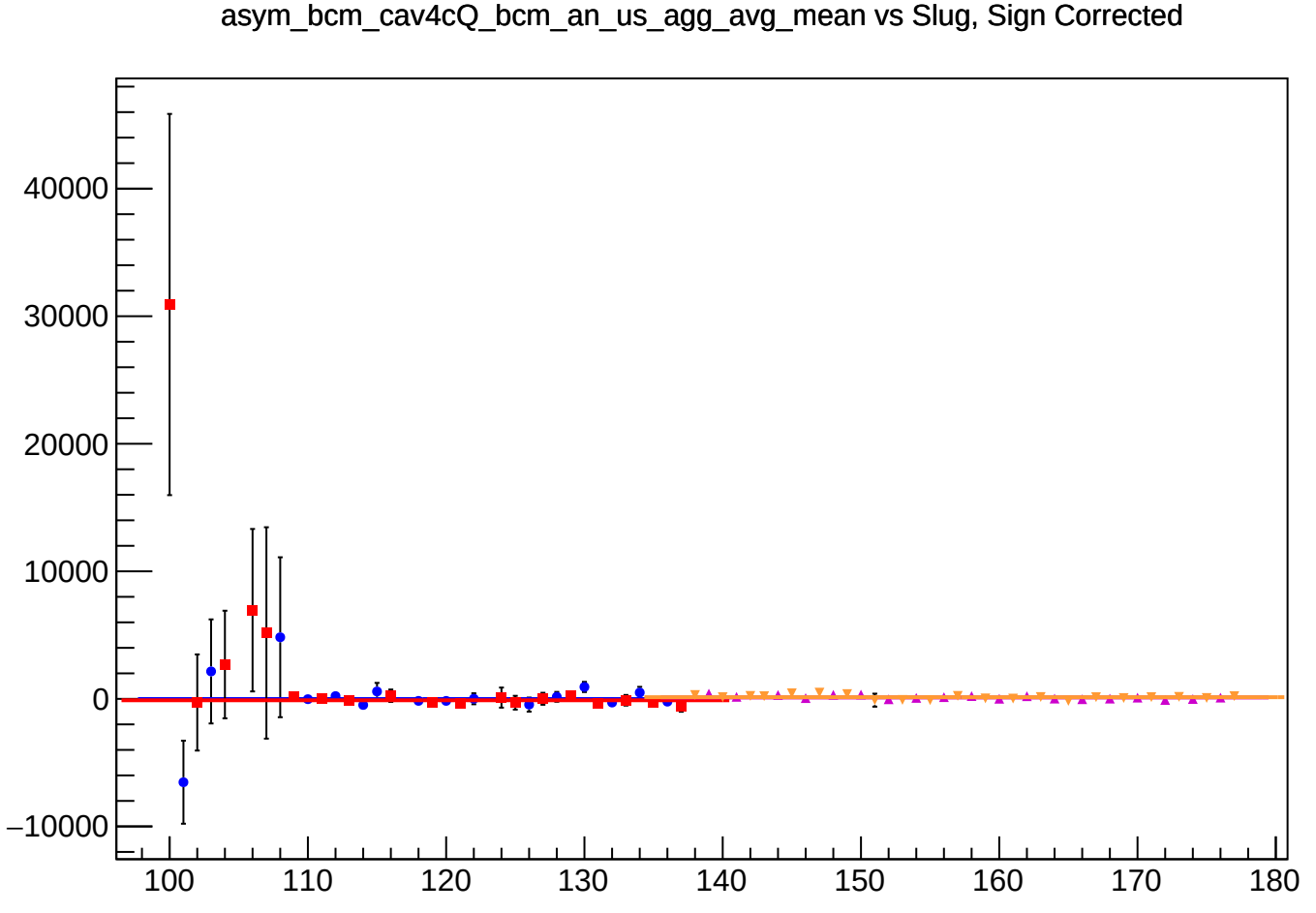
Left: 25.225+/-0.003 χ^2/NDF: 47023.4/39

Right: 25.278+/-0.005 χ^2/NDF: 29691.5/34

In: 25.174+/-0.004 χ^2/NDF:36600.2/34

Out: 25.306+/-0.004 χ^2/NDF:39559.4/39

All: 25.242+/-0.003 χ^2/NDF: 76803.9/74



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 130.231+/-53.928 χ^2/NDF:7.4/20

Right Out: -108.825+/-78.099 χ^2/NDF: 14.0/18

Left In: 110.248+/-49.659 χ^2/NDF:6.5/18

Left: 119.417+/-36.530 χ^2/NDF: 14.0/39

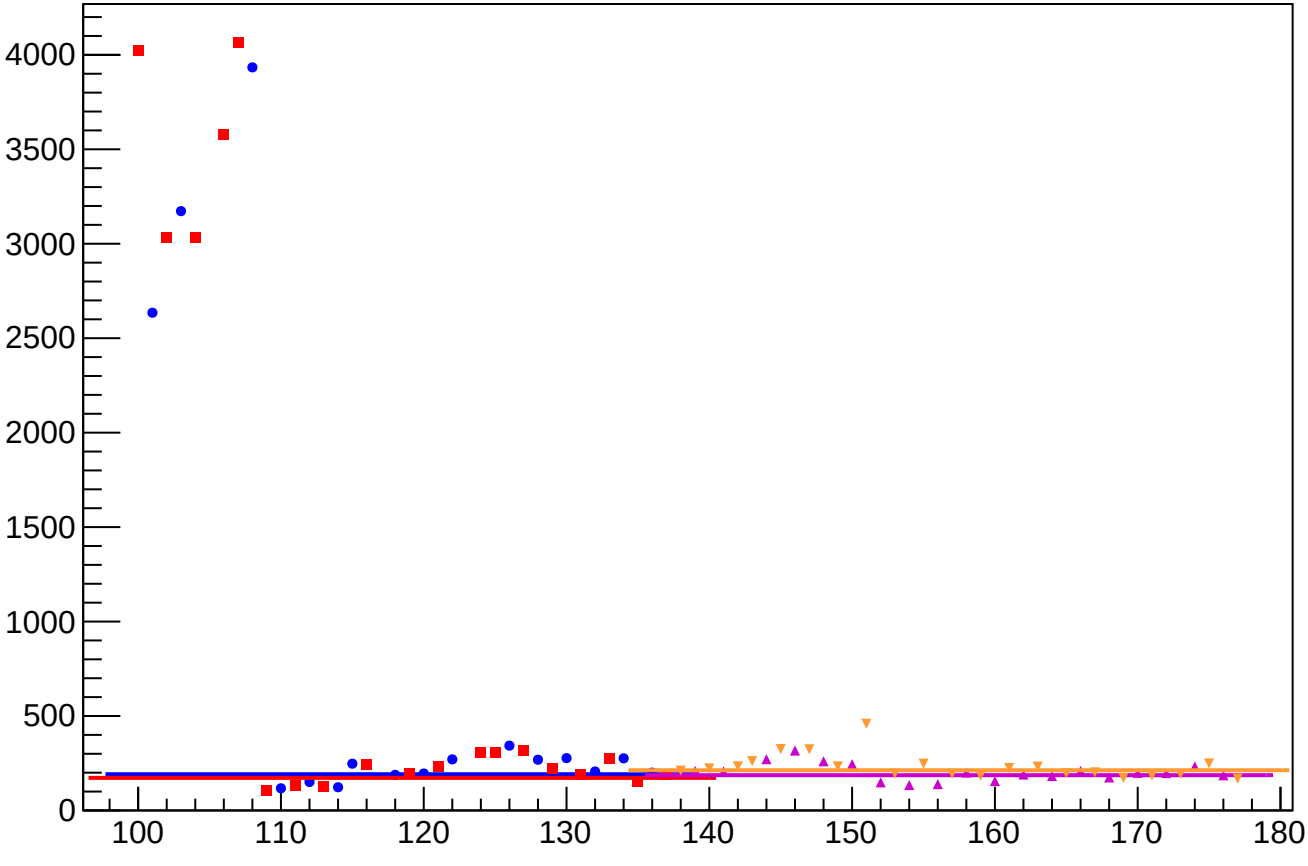
Right: -65.918+/-57.416 χ^2/NDF: 33.0/34

In: 78.095+/-42.839 χ^2/NDF:26.5/34

Out: 53.048+/-44.377 χ^2/NDF:27.8/39

All: 66.013+/-30.821 χ^2/NDF: 54.4/74

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: 212.845+/-0.038 χ^2/NDF:1336283.1/20

Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

Left In: 186.739+/-0.035 χ^2/NDF:1405368.5/18

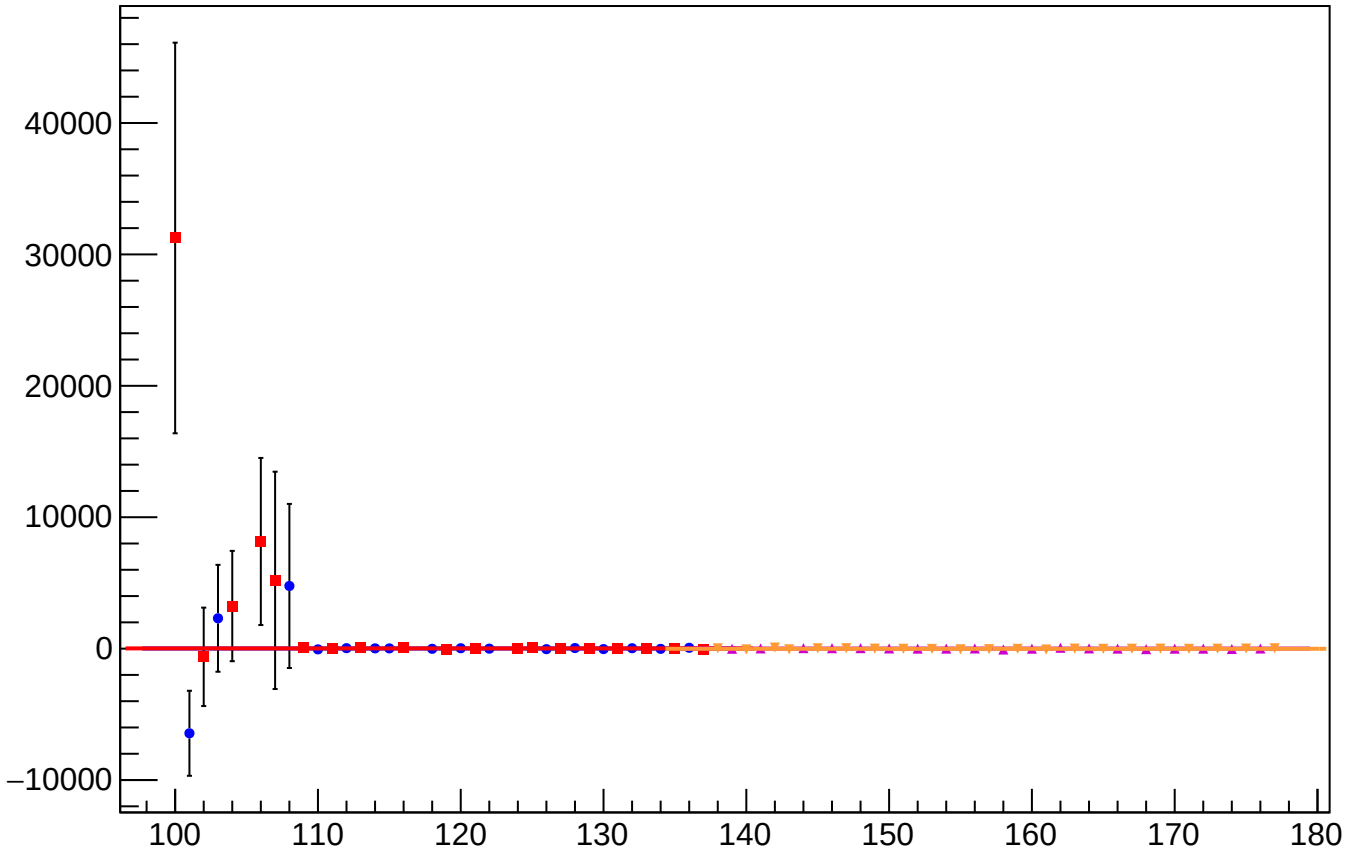
Left: 198.718+/-0.026 χ^2/NDF: 2995279.0/39

Right: 181.319+/-0.041 χ^2/NDF: 8180903.6/34

In: 188.017+/-0.030 χ^2/NDF:5232353.1/34

Out: 199.807+/-0.031 χ^2/NDF:6001490.9/39

All: 193.704+/-0.022 χ^2/NDF: 11306915.7/74



Right In: 9.576+/-11.685 χ^2/NDF: 16.0/15

Left Out: -10.855+/-7.046 χ^2/NDF:19.7/20

Right Out: 18.105+/-11.805 χ^2/NDF: 24.8/18

Left In: 5.298+/-7.276 χ^2/NDF:17.6/18

Left: -3.037+/-5.062 χ^2/NDF: 39.9/39

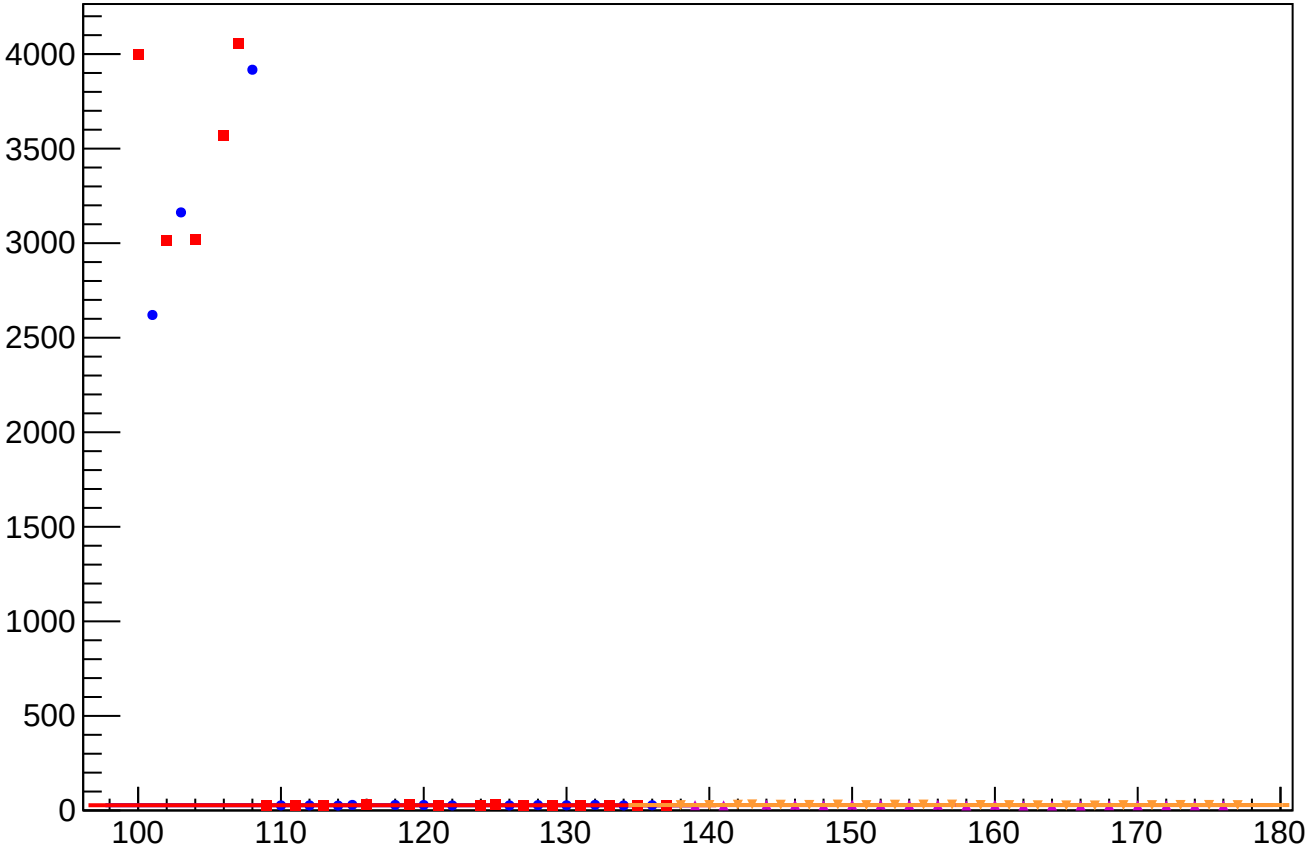
Right: 13.797+/-8.305 χ^2/NDF: 41.0/34

In: 6.494+/-6.176 χ^2/NDF:33.7/34

Out: -3.247+/-6.051 χ^2/NDF:48.9/39

All: 1.523+/-4.322 χ^2/NDF: 83.9/74

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: 28.691+/-0.005 χ^2/NDF:83533.4/20

Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 28.577+/-0.005 χ^2/NDF:115489.2/18

Left: 28.636+/-0.004 χ^2/NDF: 199276.6/39

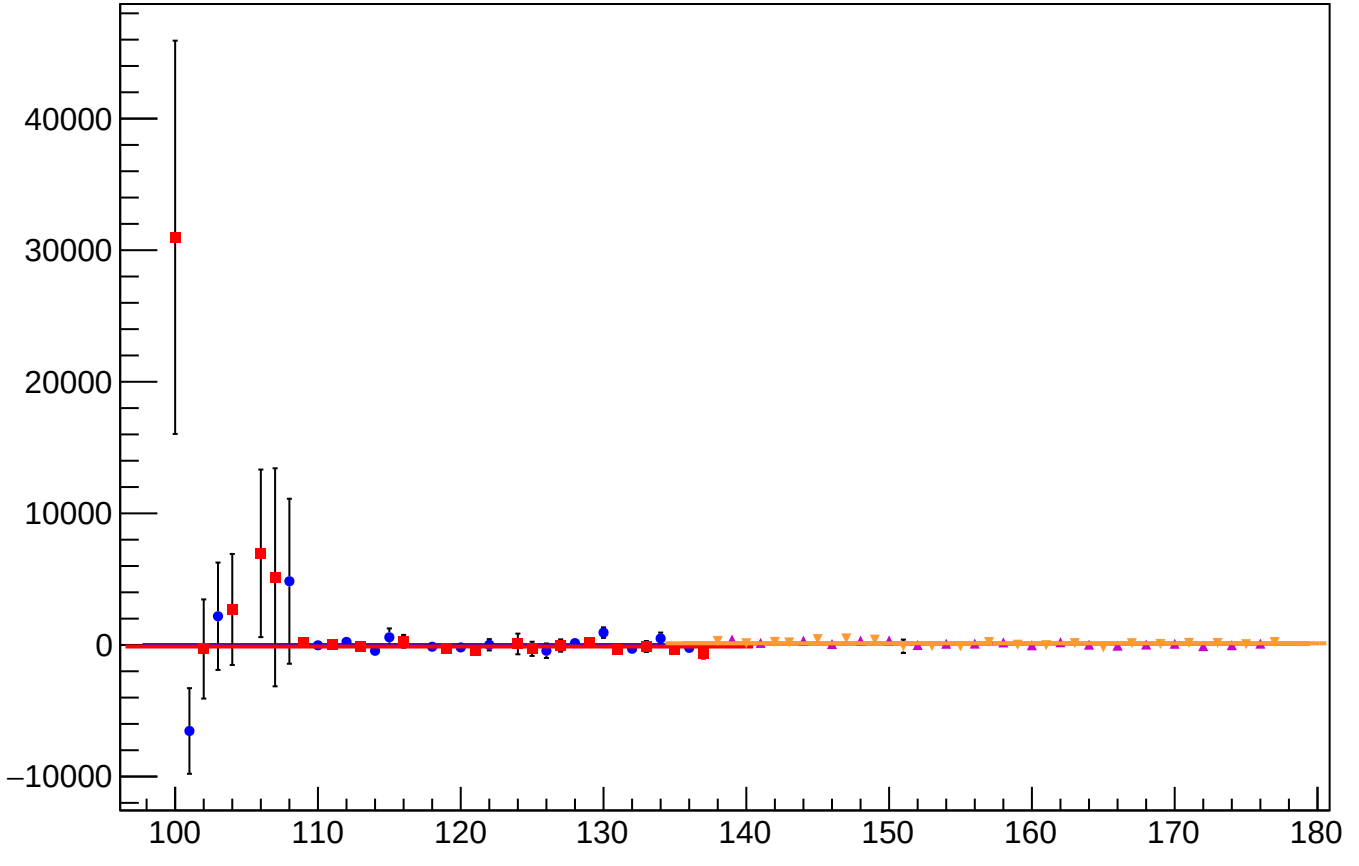
Right: 27.589+/-0.006 χ^2/NDF: 6820810.9/34

In: 28.316+/-0.004 χ^2/NDF:3390222.4/34

Out: 28.387+/-0.004 χ^2/NDF:3652914.6/39

All: 28.352+/-0.003 χ^2/NDF: 7043274.4/74

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 125.429+/-53.809 χ^2/NDF:8.2/20

Right Out: -118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: 107.674+/-49.562 χ^2/NDF:6.7/18

Left: 115.823+/-36.455 χ^2/NDF: 15.0/39

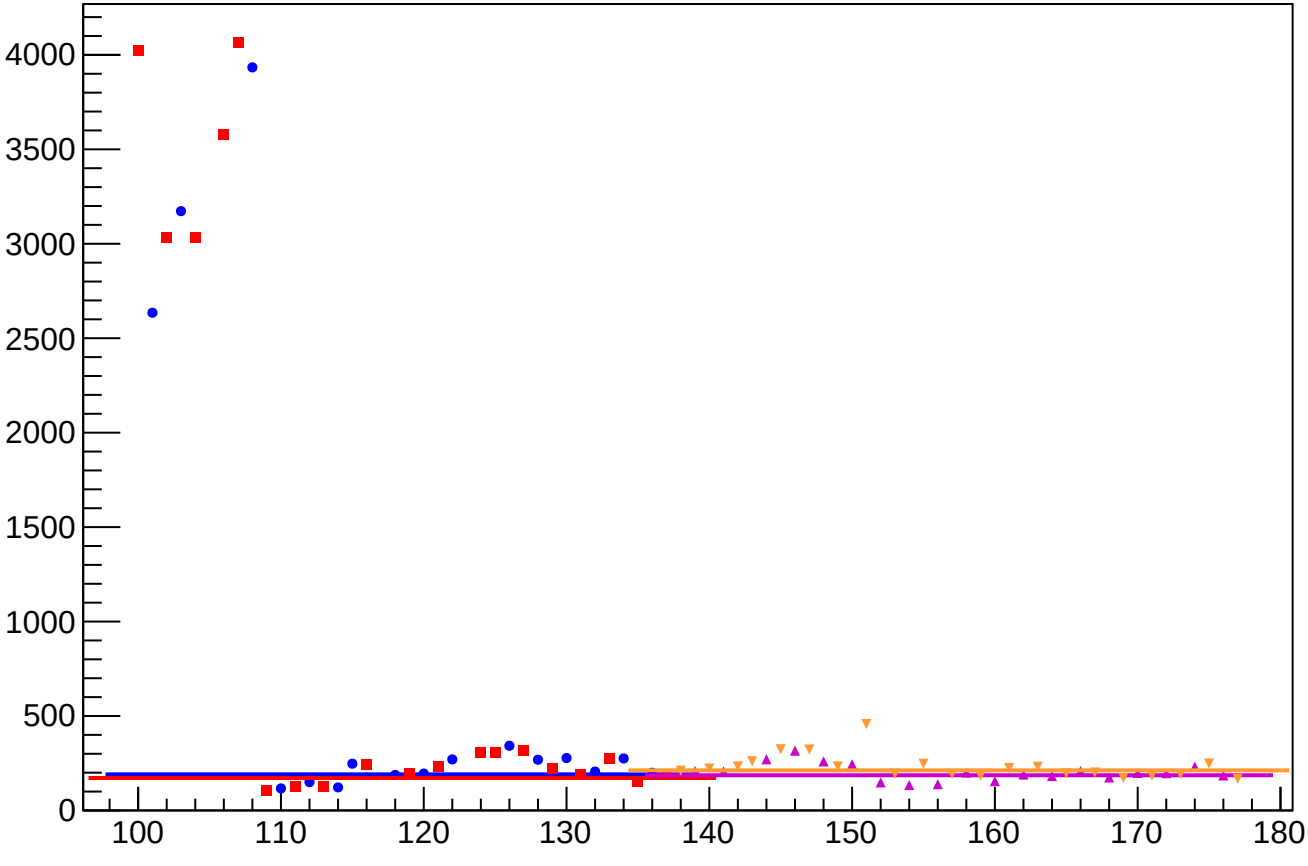
Right: -69.865+/-57.246 χ^2/NDF: 33.6/34

In: 76.719+/-42.745 χ^2/NDF:26.6/34

Out: 46.727+/-44.267 χ^2/NDF:29.3/39

All: 62.247+/-30.749 χ^2/NDF: 56.1/74

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: 212.374+/-0.038 χ^2/NDF:1337150.5/20

Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 186.378+/-0.035 χ^2/NDF:1404853.8/18

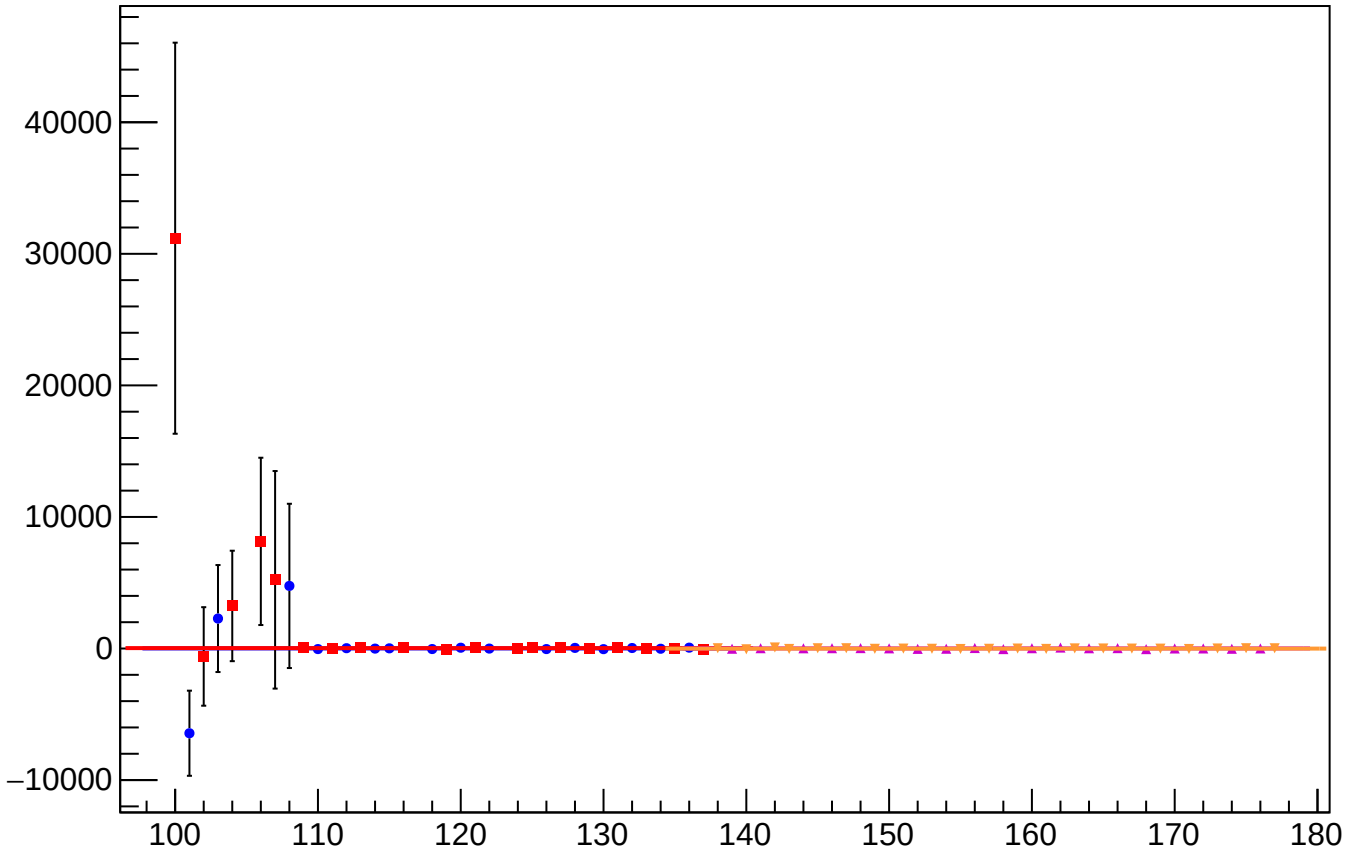
Left: 198.310+/-0.026 χ^2/NDF: 2994551.0/39

Right: 180.673+/-0.040 χ^2/NDF: 8204752.1/34

In: 187.580+/-0.030 χ^2/NDF:5243397.1/34

Out: 199.271+/-0.031 χ^2/NDF:6018792.0/39

All: 193.221+/-0.022 χ^2/NDF: 11334377.8/74



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -6.751+/-7.087 χ^2/NDF:13.6/20

Right Out: 30.962+/-11.902 χ^2/NDF: 19.9/18

Left In: 6.672+/-7.312 χ^2/NDF:16.7/18

Left: -0.248+/-5.089 χ^2/NDF: 32.1/39

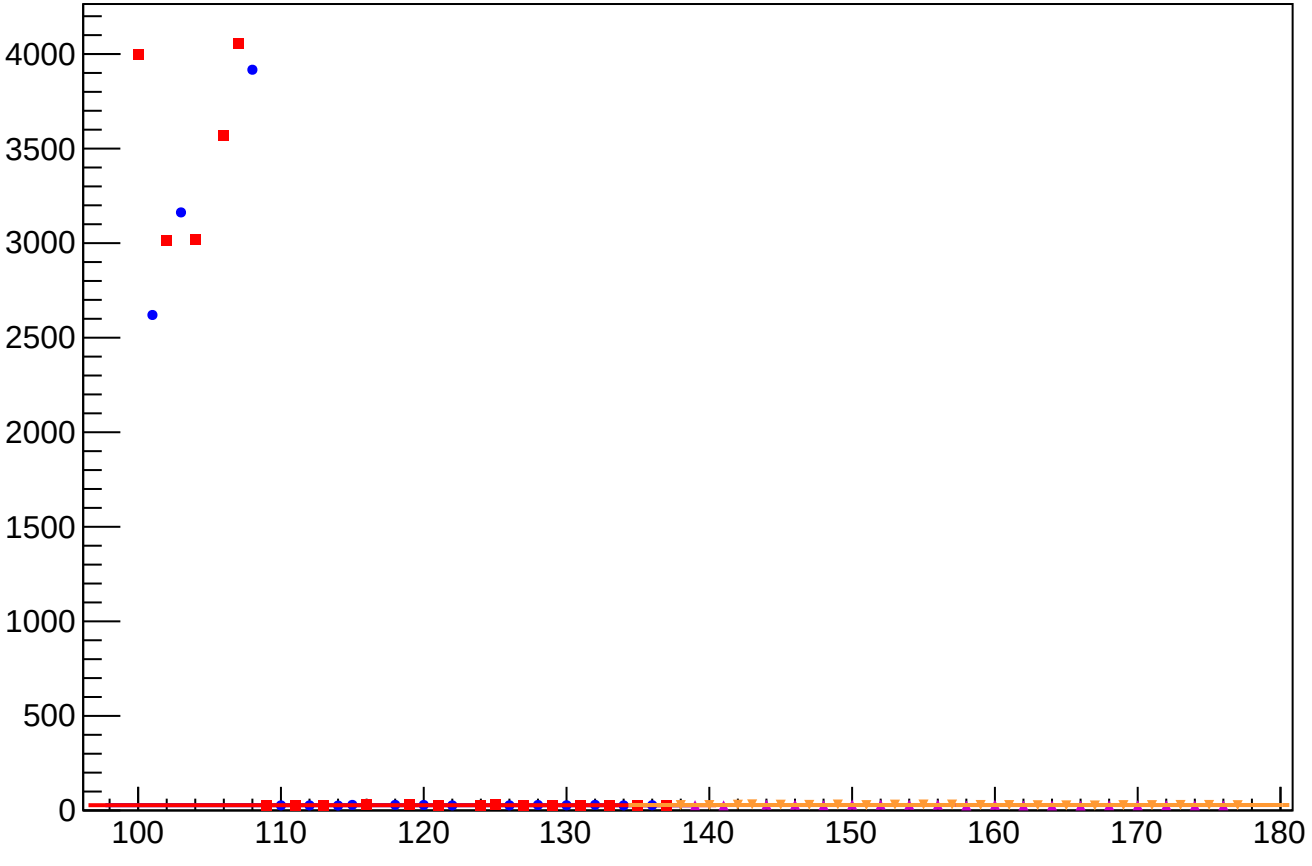
Right: 18.584+/-8.367 χ^2/NDF: 40.3/34

In: 6.621+/-6.210 χ^2/NDF:35.0/34

Out: 3.122+/-6.089 χ^2/NDF:40.9/39

All: 4.837+/-4.348 χ^2/NDF: 76.1/74

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: 28.852+/-0.005 χ^2/NDF:91262.3/20

Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 28.717+/-0.005 χ^2/NDF:119487.0/18

Left: 28.787+/-0.004 χ^2/NDF: 211100.6/39

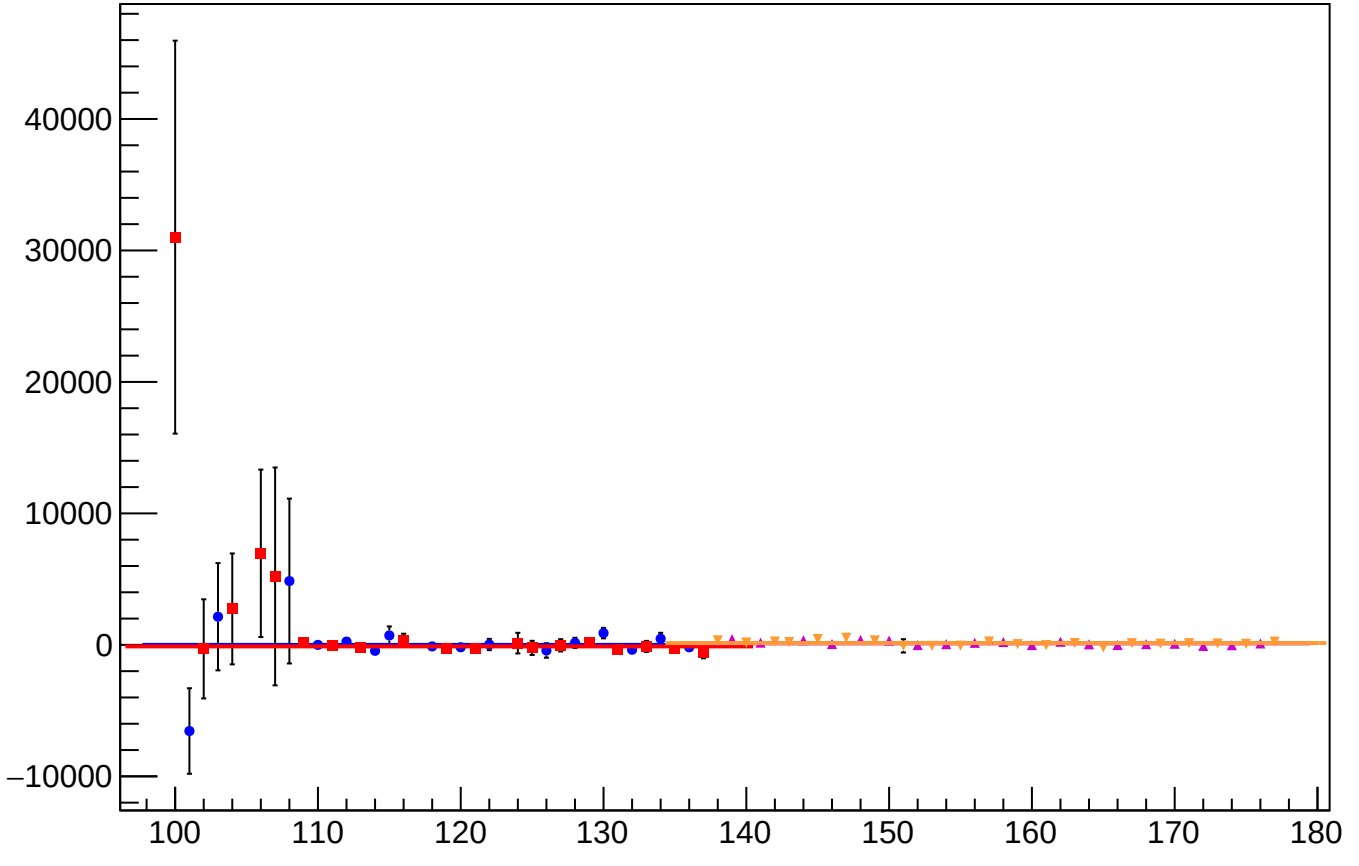
Right: 27.790+/-0.006 χ^2/NDF: 6824608.5/34

In: 28.469+/-0.004 χ^2/NDF:3393683.9/34

Out: 28.565+/-0.004 χ^2/NDF:3662520.8/39

All: 28.518+/-0.003 χ^2/NDF: 7056448.5/74

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: 135.892+/-54.311 χ^2/NDF:8.2/20

Right Out: -115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: 116.958+/-50.115 χ^2/NDF:7.3/18

Left: 125.666+/-36.831 χ^2/NDF: 15.5/39

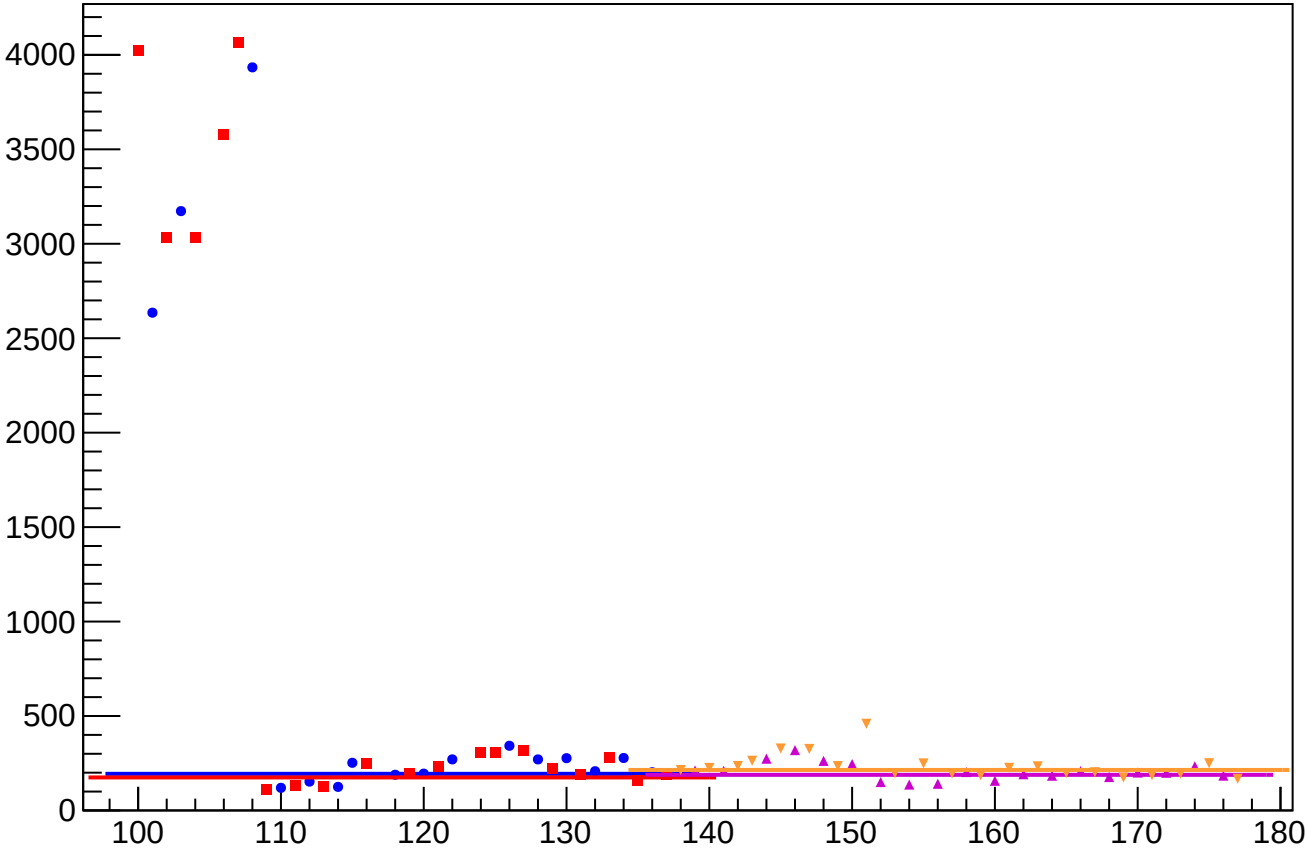
Right: -63.770+/-58.007 χ^2/NDF: 33.0/34

In: 86.341+/-43.236 χ^2/NDF:26.9/34

Out: 55.063+/-44.746 χ^2/NDF:28.9/39

All: 71.238+/-31.093 χ^2/NDF: 56.1/74

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: 214.421+/-0.038 χ^2/NDF:1332441.1/20

Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 188.608+/-0.035 χ^2/NDF:1373642.2/18

Left: 200.479+/-0.026 χ^2/NDF: 2950103.8/39

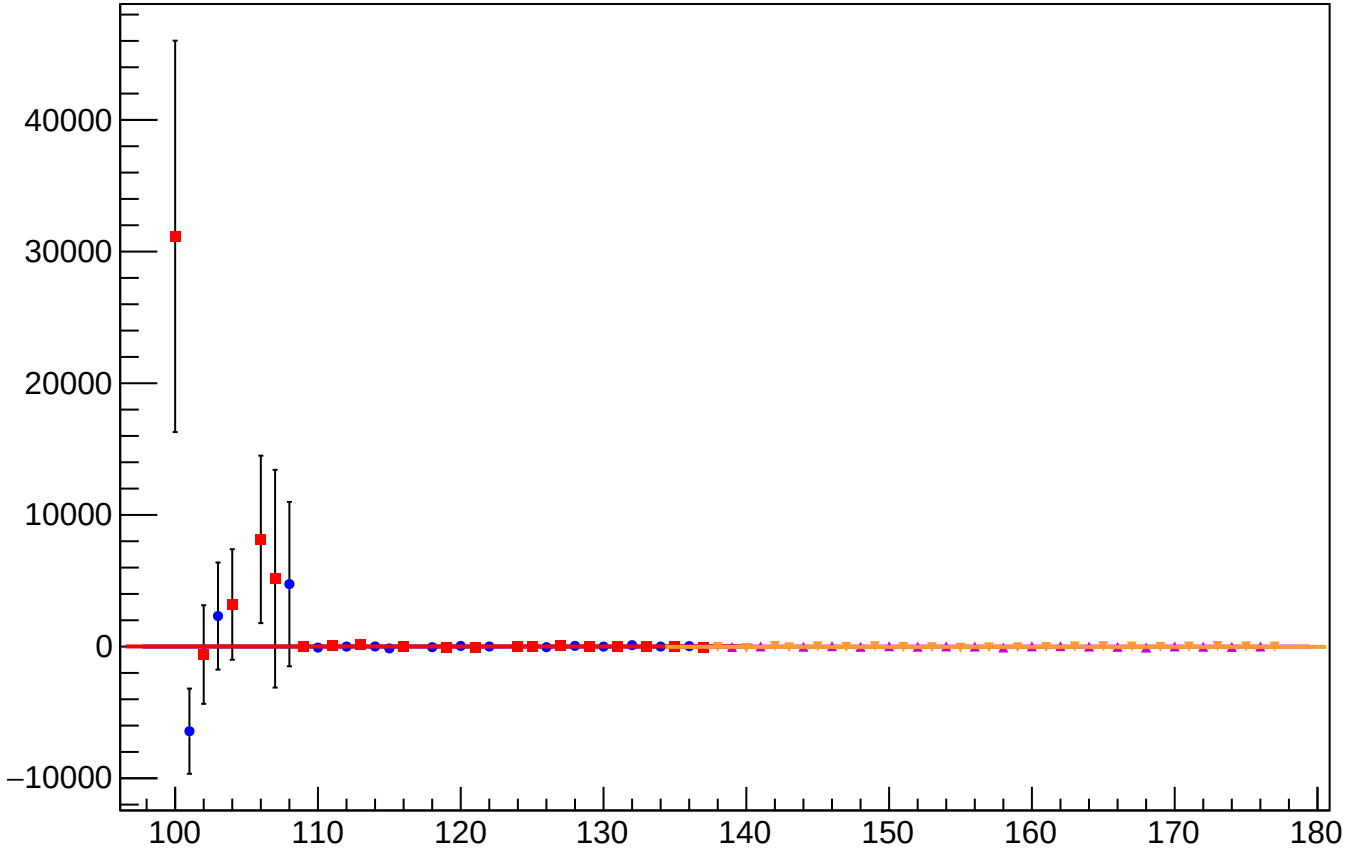
Right: 183.600+/-0.041 χ^2/NDF: 8098034.9/34

In: 189.973+/-0.031 χ^2/NDF:5163911.4/34

Out: 201.688+/-0.032 χ^2/NDF:5934016.5/39

All: 195.630+/-0.022 χ^2/NDF: 11168826.7/74

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.660+/-14.306 χ^2/NDF: 17.5/15

Left Out: -22.056+/-8.463 χ^2/NDF:20.7/20

Right Out: 10.003+/-14.433 χ^2/NDF: 23.4/18

Left In: -2.814+/-8.752 χ^2/NDF:12.2/18

Left: -12.758+/-6.084 χ^2/NDF: 35.3/39

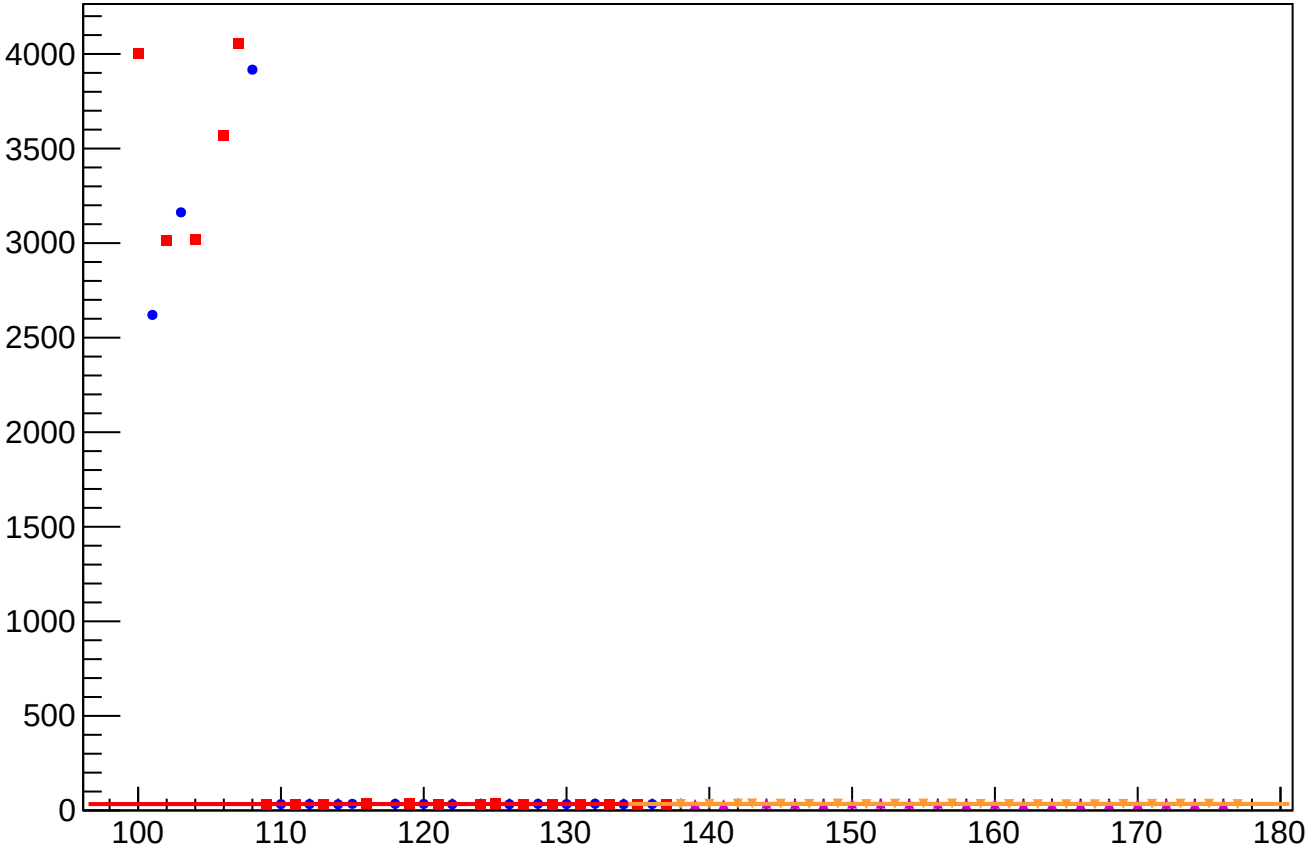
Right: 7.813+/-10.160 χ^2/NDF: 40.9/34

In: -0.506+/-7.466 χ^2/NDF:29.9/34

Out: -13.854+/-7.300 χ^2/NDF:47.8/39

All: -7.329+/-5.220 χ^2/NDF: 79.3/74

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: 34.506+/-0.006 χ^2/NDF:40610.2/20

Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 34.437+/-0.006 χ^2/NDF:51942.1/18

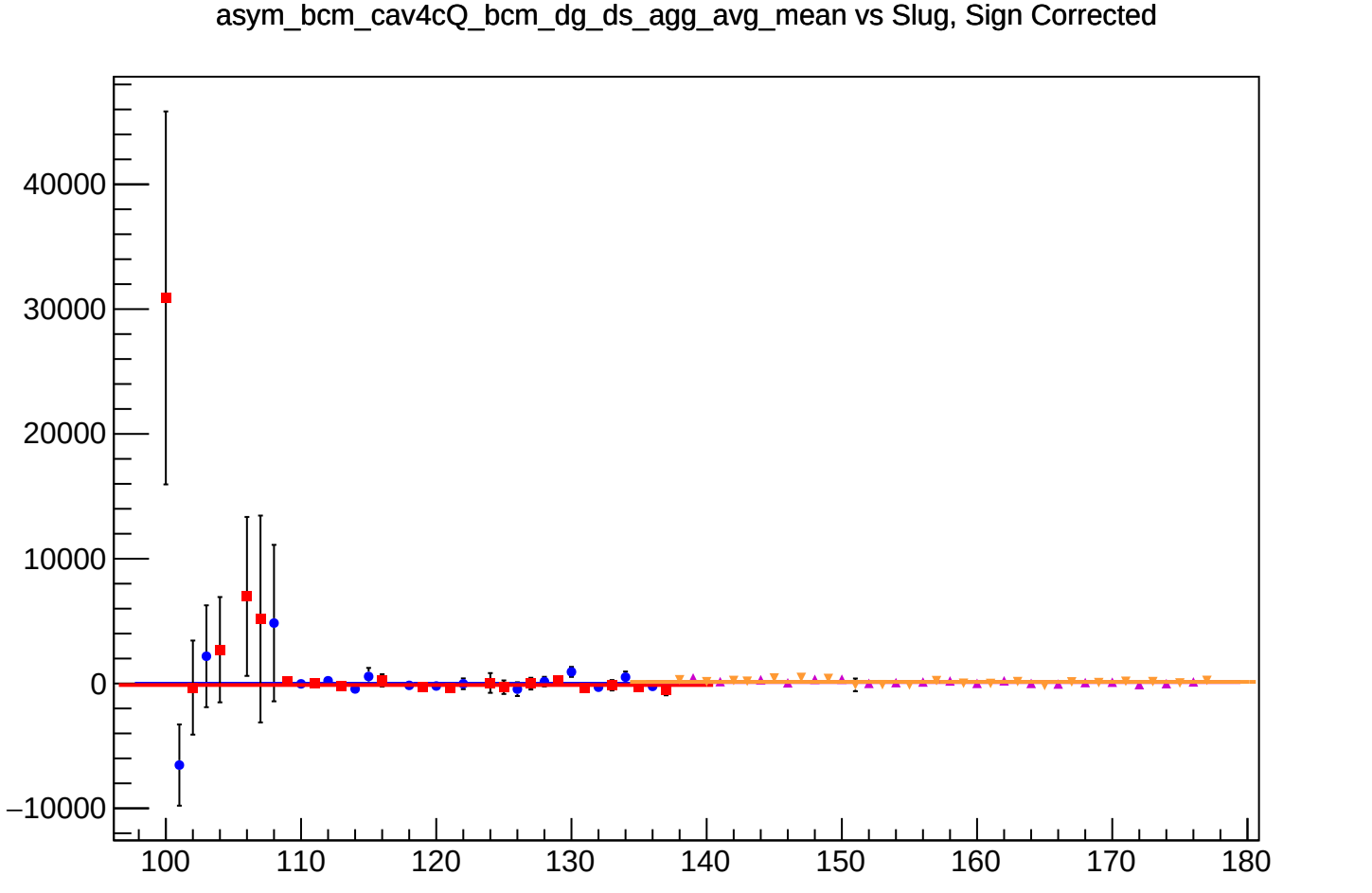
Left: 34.473+/-0.004 χ^2/NDF: 92615.9/39

Right: 33.814+/-0.007 χ^2/NDF: 6770991.8/34

In: 34.291+/-0.005 χ^2/NDF:3298382.3/34

Out: 34.306+/-0.005 χ^2/NDF:3571420.2/39

All: 34.299+/-0.004 χ^2/NDF: 6869807.0/74



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 130.654+/-54.253 χ^2/NDF:8.1/20

Right Out: -119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: 117.452+/-50.032 χ^2/NDF:6.6/18

Left: 123.519+/-36.780 χ^2/NDF: 14.7/39

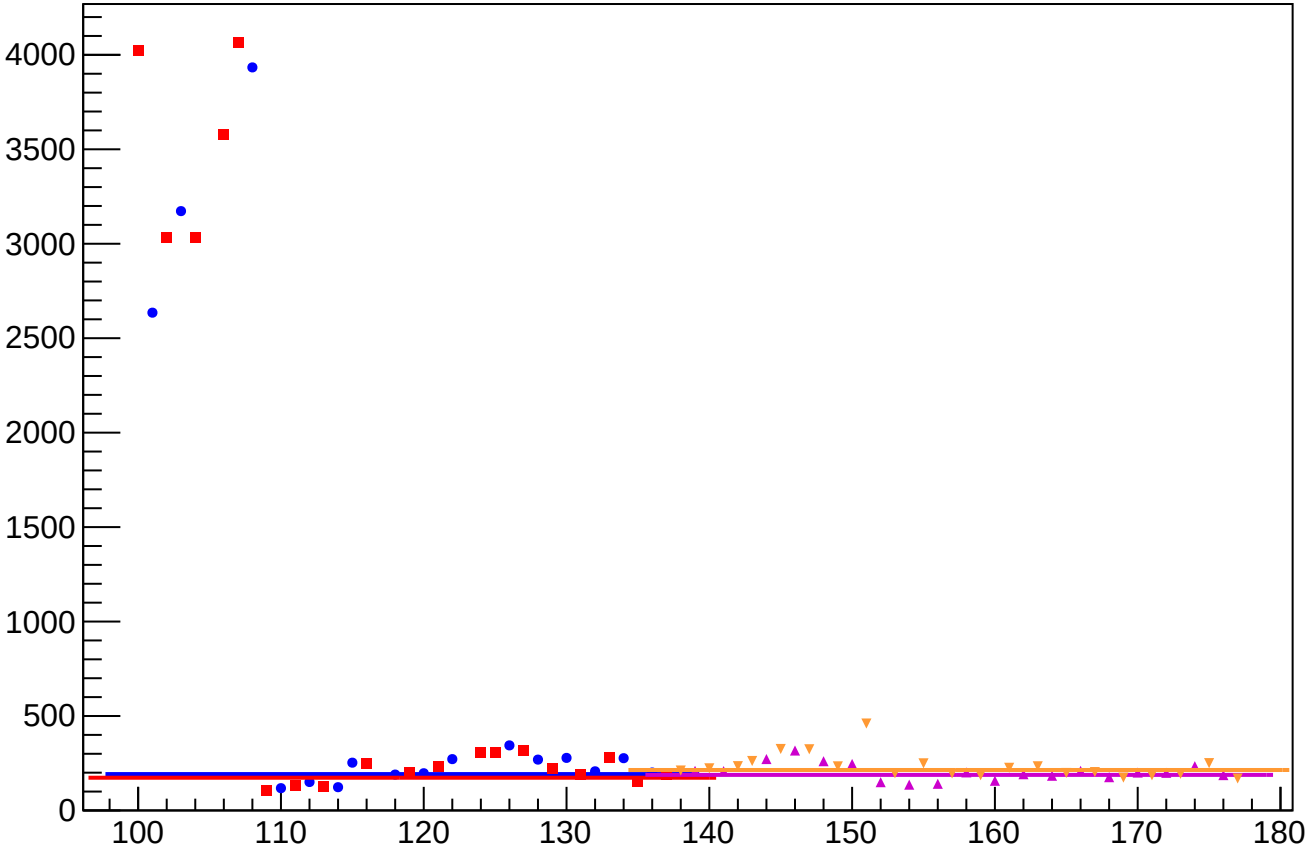
Right: -73.773+/-57.671 χ^2/NDF: 32.2/34

In: 82.245+/-43.125 χ^2/NDF:26.7/34

Out: 49.593+/-44.623 χ^2/NDF:28.3/39

All: 66.476+/-31.010 χ^2/NDF: 55.2/74

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 214.220+/-0.038 χ^2/NDF:1317367.2/20

Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 188.299+/-0.035 χ^2/NDF:1364198.0/18

Left: 200.212+/-0.026 χ^2/NDF: 2928290.0/39

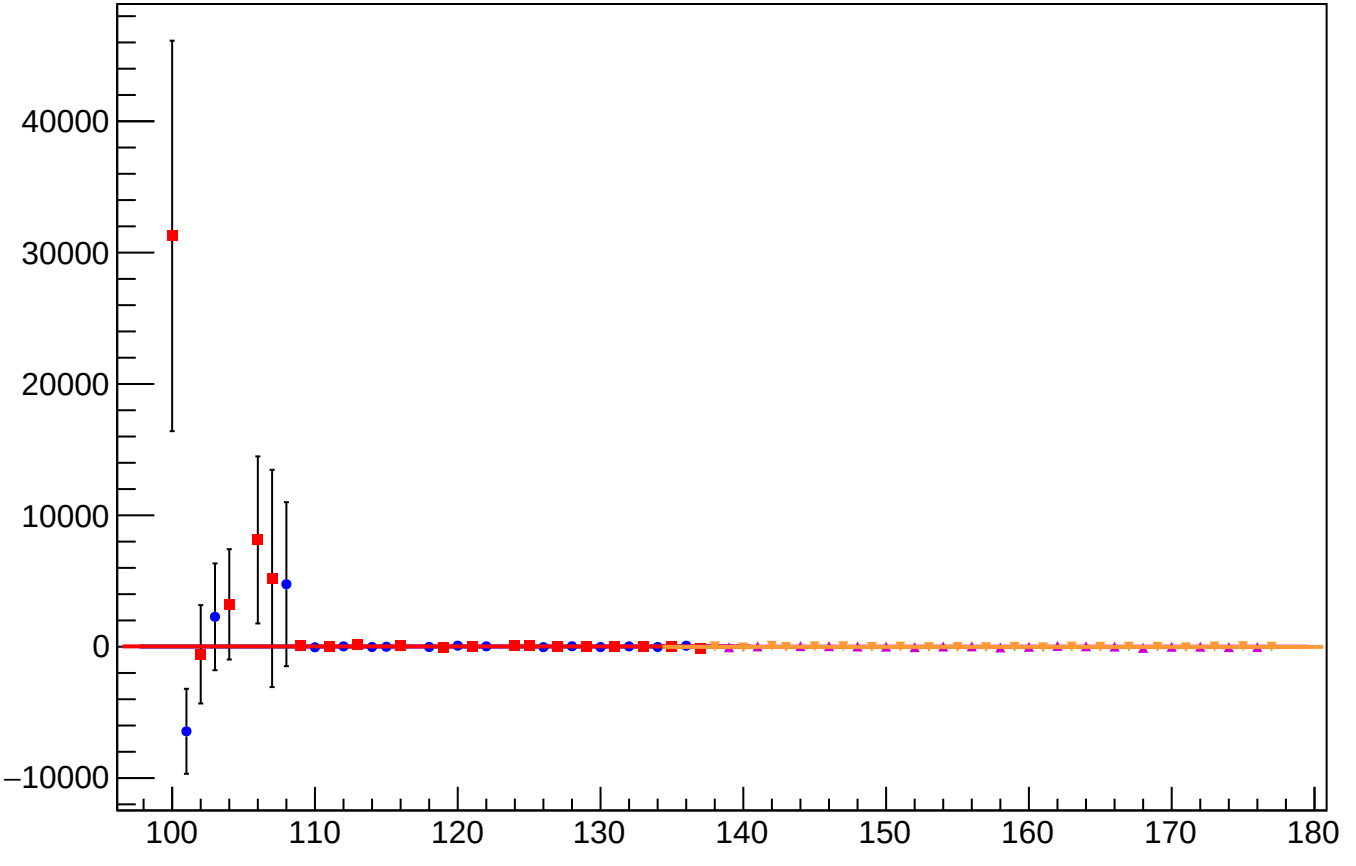
Right: 182.125+/-0.041 χ^2/NDF: 8185907.1/34

In: 189.394+/-0.030 χ^2/NDF:5190716.2/34

Out: 200.966+/-0.032 χ^2/NDF:5993773.0/39

All: 194.983+/-0.022 χ^2/NDF: 11254033.1/74

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -13.219+/-7.695 χ^2/NDF:15.2/20

Right Out: 23.230+/-13.181 χ^2/NDF: 28.7/18

Left In: 0.155+/-7.958 χ^2/NDF:23.7/18

Left: -6.757+/-5.532 χ^2/NDF: 40.3/39

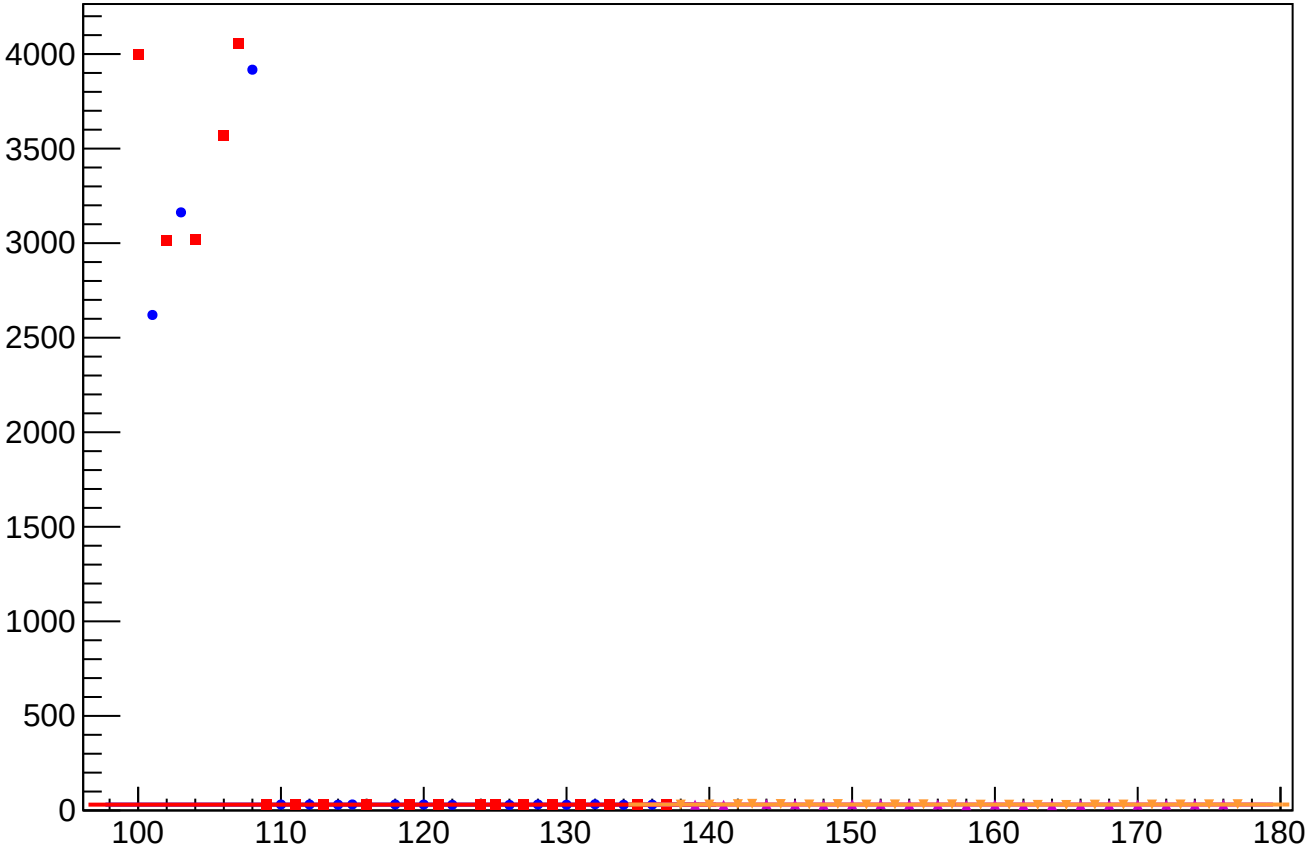
Right: 18.428+/-9.278 χ^2/NDF: 44.4/34

In: 3.825+/-6.796 χ^2/NDF:39.9/34

Out: -3.954+/-6.645 χ^2/NDF:49.6/39

All: -0.152+/-4.751 χ^2/NDF: 90.1/74

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: 31.350+/-0.005 χ^2/NDF:62489.4/20

Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.277+/-0.006 χ^2/NDF:80577.4/18

Left: 31.315+/-0.004 χ^2/NDF: 143153.2/39

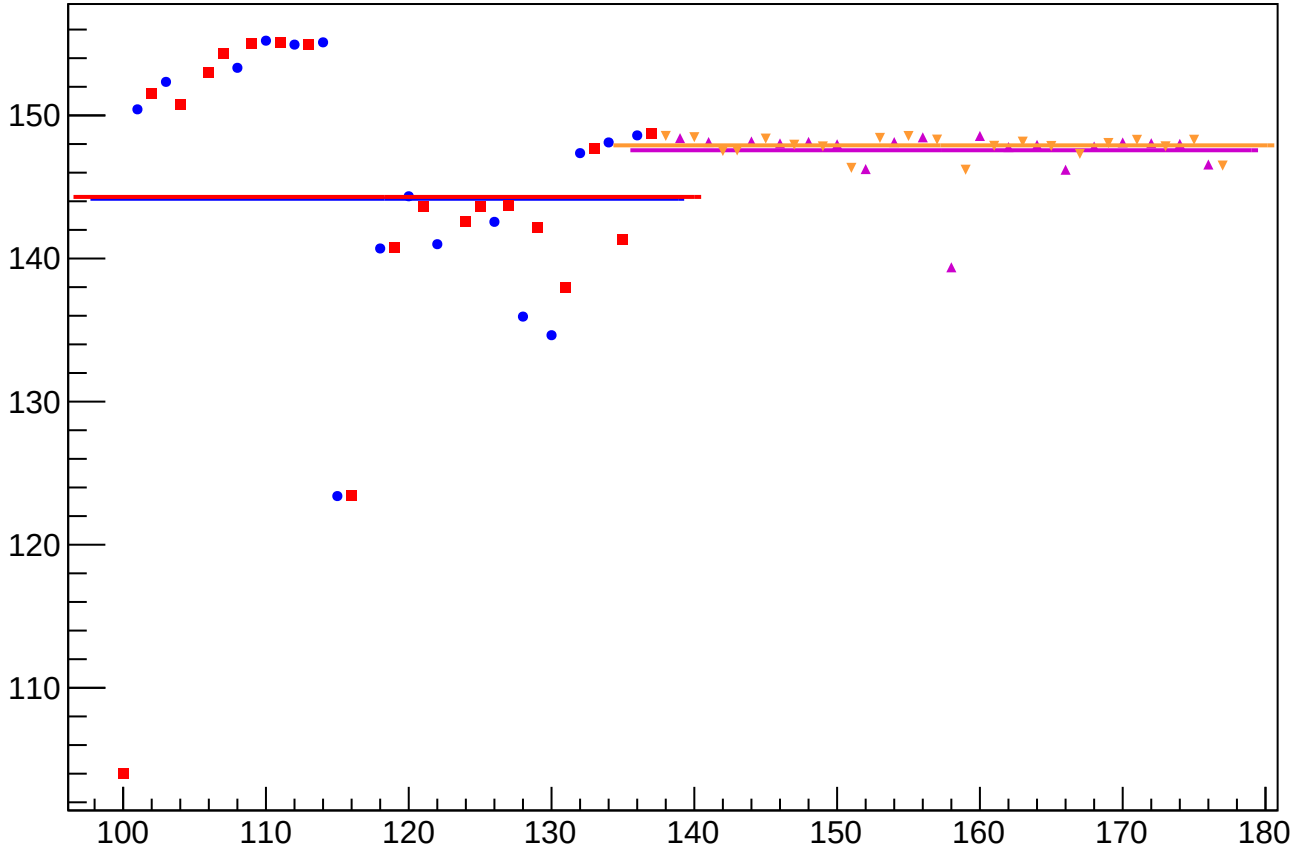
Right: 30.853+/-0.007 χ^2/NDF: 6788975.5/34

In: 31.183+/-0.005 χ^2/NDF:3334224.2/34

Out: 31.204+/-0.005 χ^2/NDF:3601540.7/39

All: 31.194+/-0.003 χ^2/NDF: 6935775.2/74

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.909+/-0.000 χ^2/NDF:40200883.5/20

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 147.565+/-0.000 χ^2/NDF:292668869.4/18

Left: 147.745+/-0.000 χ^2/NDF: 337882250.9/39

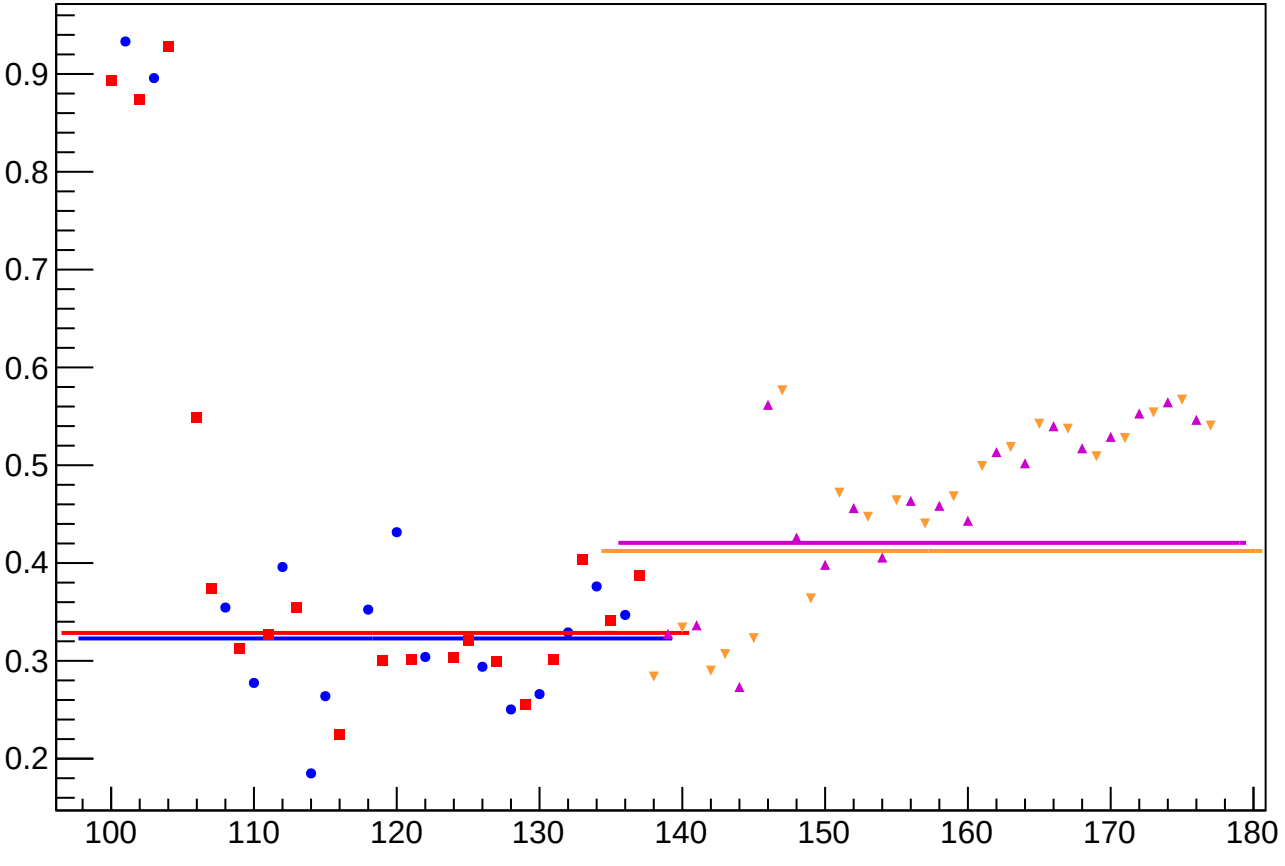
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 146.160+/-0.000 χ^2/NDF:4401136873.8/34

Out: 146.513+/-0.000 χ^2/NDF:4754174354.3/39

All: 146.342+/-0.000 χ^2/NDF: 9164124703.4

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.412+/-0.000 χ^2/NDF:1803272.2/20

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.421+/-0.000 χ^2/NDF:1428187.8/18

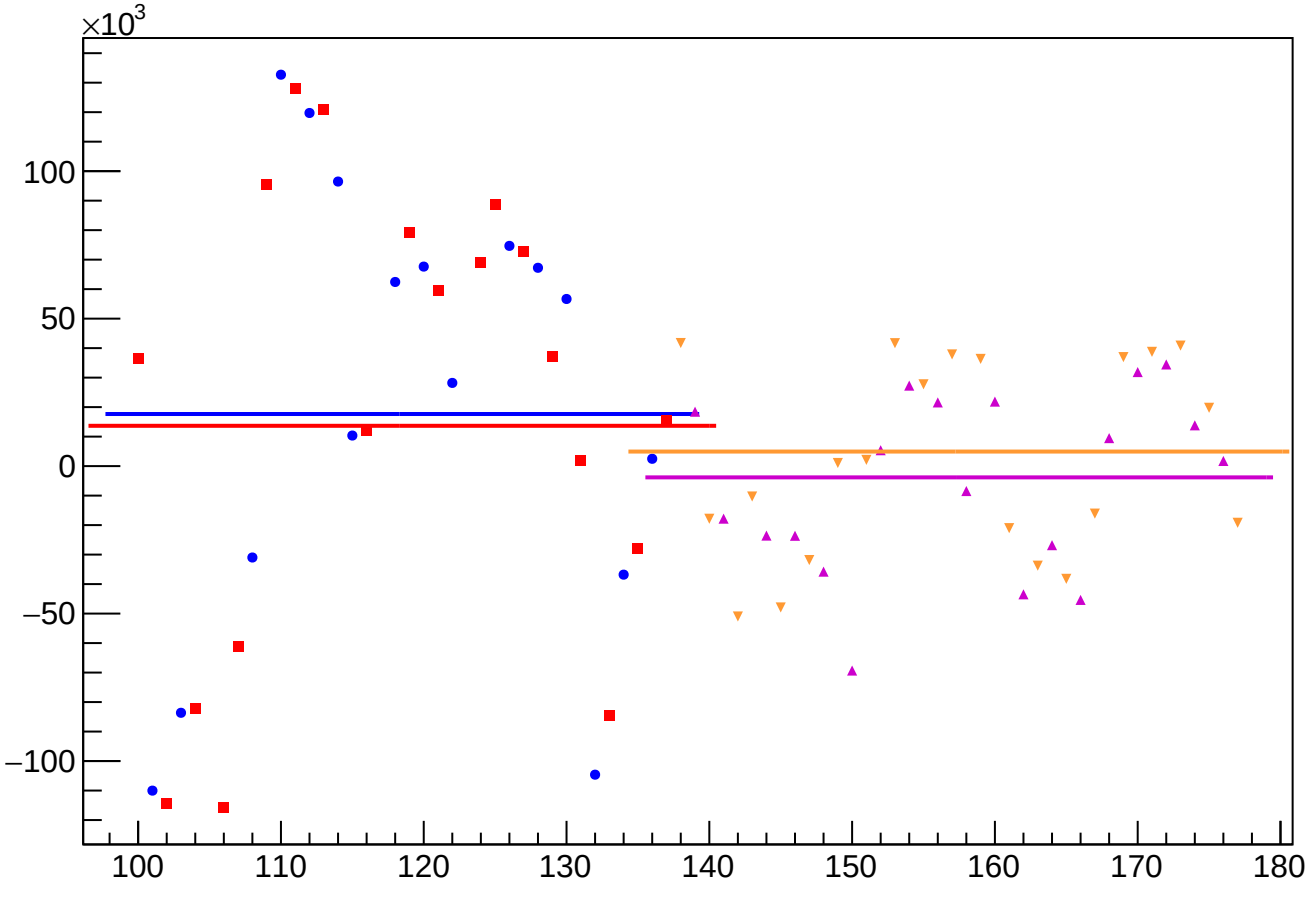
Left: 0.416+/-0.000 χ^2/NDF: 3237312.0/39

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.380+/-0.000 χ^2/NDF:3463065.9/34

Out: 0.380+/-0.000 χ^2/NDF:3593180.7/39

All: 0.380+/-0.000 χ^2/NDF: 7056254.0/74



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: 4933.891+/-1.189 χ^2/NDF:696062897.2/20

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

Left In: -3819.352+/-1.229 χ^2/NDF:581698690.0/18

Left: 702.862+/-0.854 χ^2/NDF: 1303980588.6/39

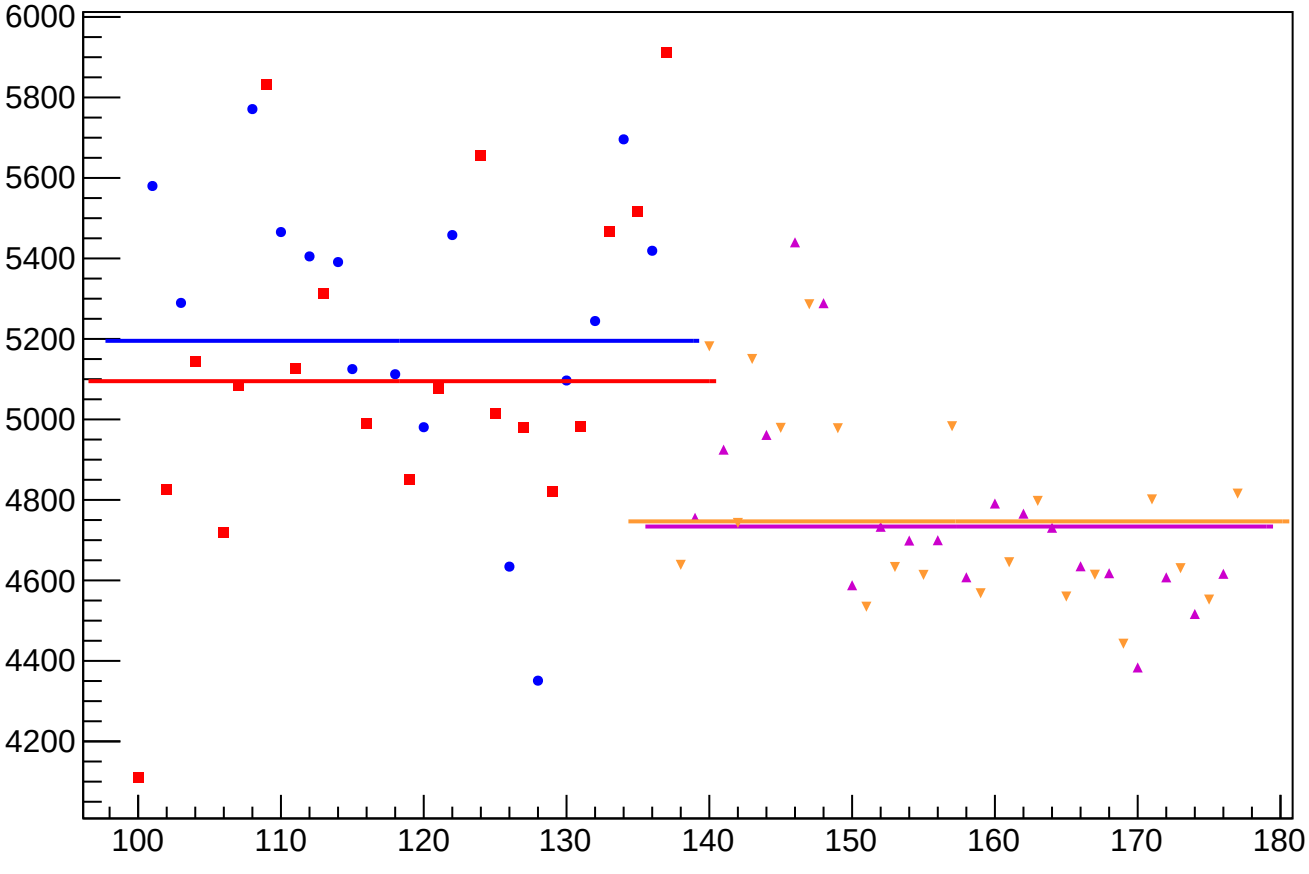
Right: 15583.102+/-1.389 χ^2/NDF: 3257769505.5/3

In: 2043.773+/-1.048 χ^2/NDF:2063867537.6/34

Out: 7344.057+/-1.011 χ^2/NDF:2567925649.5/39

All: 4787.701+/-0.728 χ^2/NDF: 4645042222.

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4746.662+/-0.840 χ^2/NDF:71506.6/20

Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4733.848+/-0.869 χ^2/NDF:71094.0/18

Left: 4740.468+/-0.604 χ^2/NDF: 142713.0/39

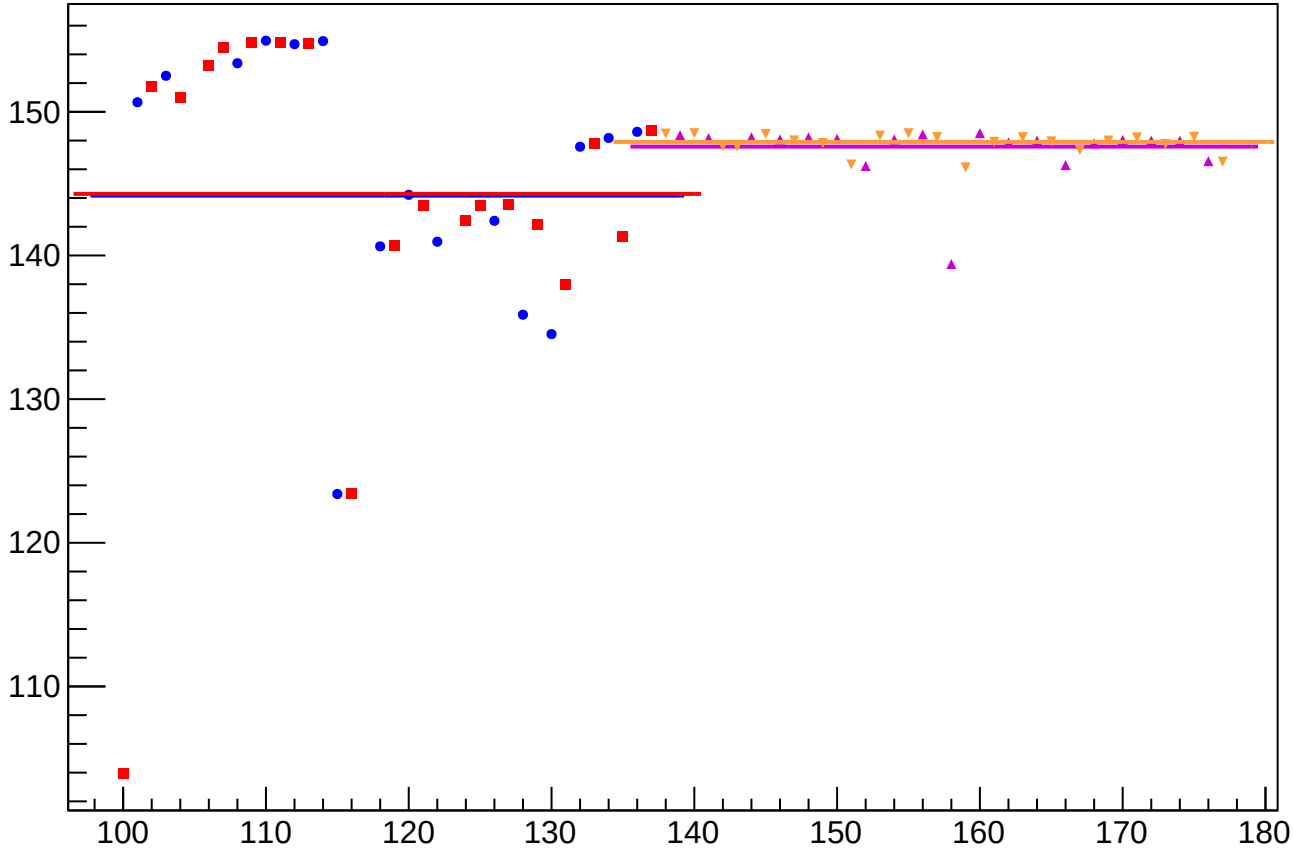
Right: 5143.118+/-0.982 χ^2/NDF: 138879.2/34

In: 4859.786+/-0.741 χ^2/NDF:225245.3/34

Out: 4842.817+/-0.715 χ^2/NDF:178049.8/39

All: 4851.001+/-0.515 χ^2/NDF: 403566.7/74

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 147.905+/-0.000 χ^2/NDF:39749553.8/20

Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

Left In: 147.580+/-0.000 χ^2/NDF:293039280.0/18

Left: 147.751+/-0.000 χ^2/NDF: 337301938.3/39

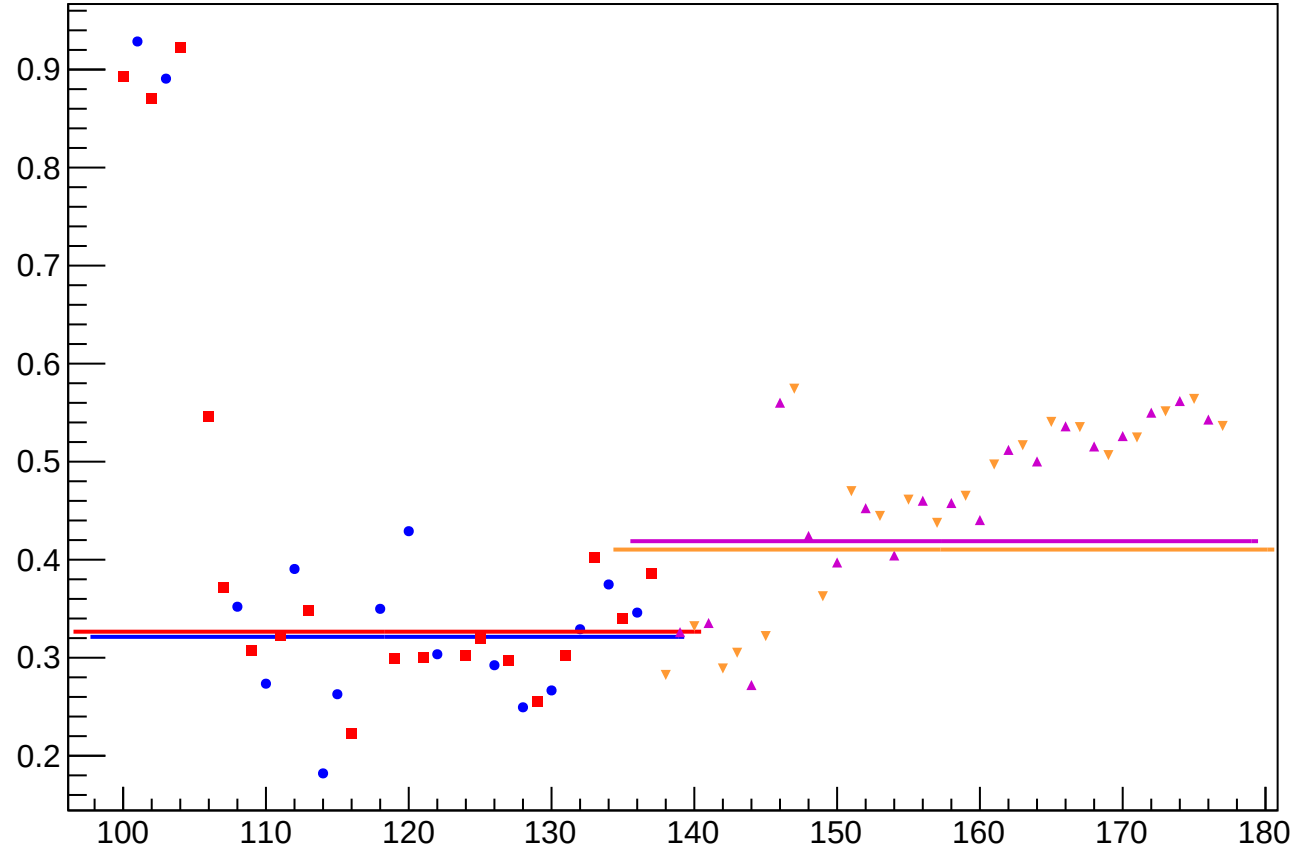
Right: 144.229+/-0.000 χ^2/NDF: 8055437753.5/34

In: 146.166+/-0.000 χ^2/NDF:4449728228.4/34

Out: 146.502+/-0.000 χ^2/NDF:4788070132.3/39

All: 146.339+/-0.000 χ^2/NDF: 9245865560.3

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.410+/-0.000 χ^2/NDF:1801678.5/20

Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.419+/-0.000 χ^2/NDF:1423522.6/18

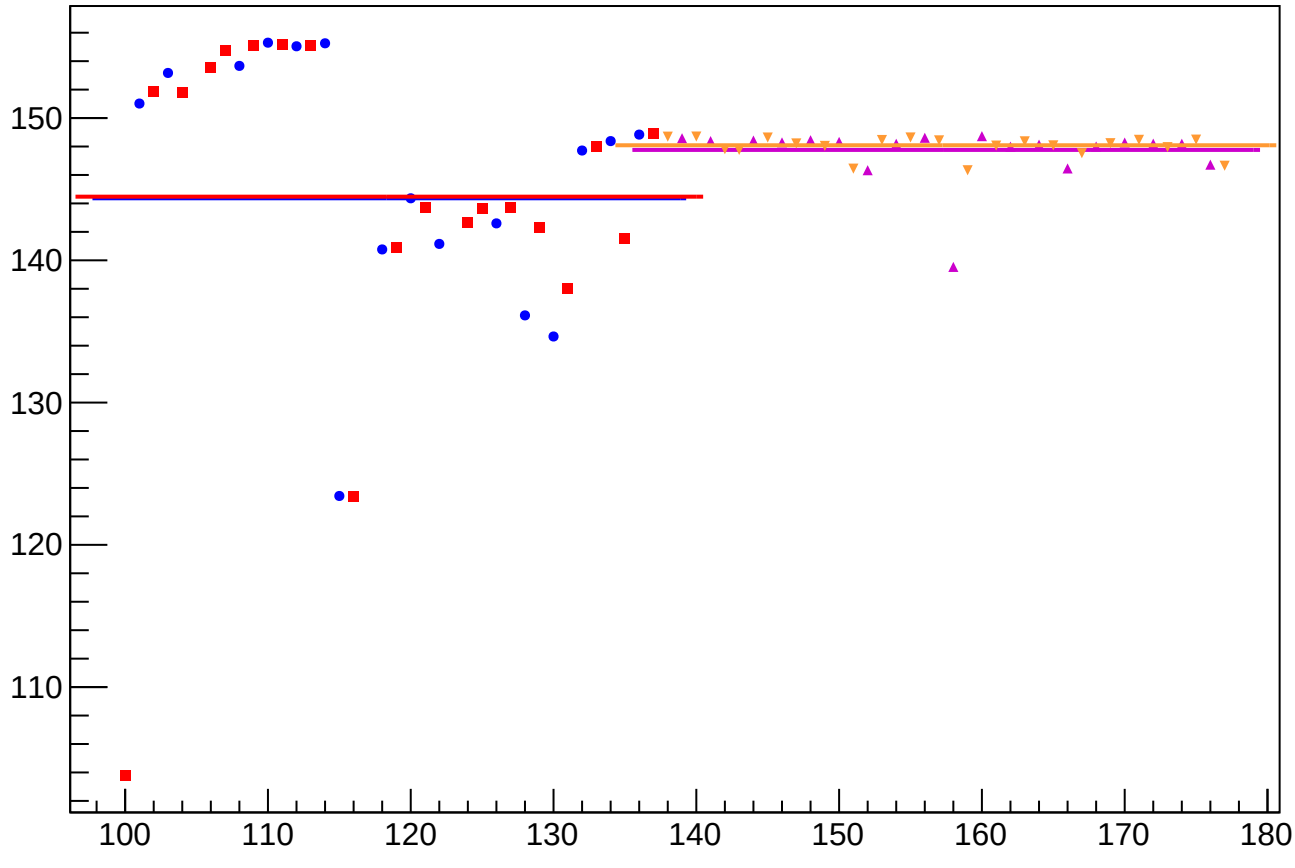
Left: 0.414+/-0.000 χ^2/NDF: 3231460.4/39

Right: 0.324+/-0.000 χ^2/NDF: 2700575.6/34

In: 0.378+/-0.000 χ^2/NDF:3462312.9/34

Out: 0.378+/-0.000 χ^2/NDF:3595462.8/39

All: 0.378+/-0.000 χ^2/NDF: 7057818.7/74



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.088+/-0.000 χ^2/NDF:40371894.1/20

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

Left In: 147.761+/-0.000 χ^2/NDF:297655694.9/18

Left: 147.933+/-0.000 χ^2/NDF: 342560713.7/39

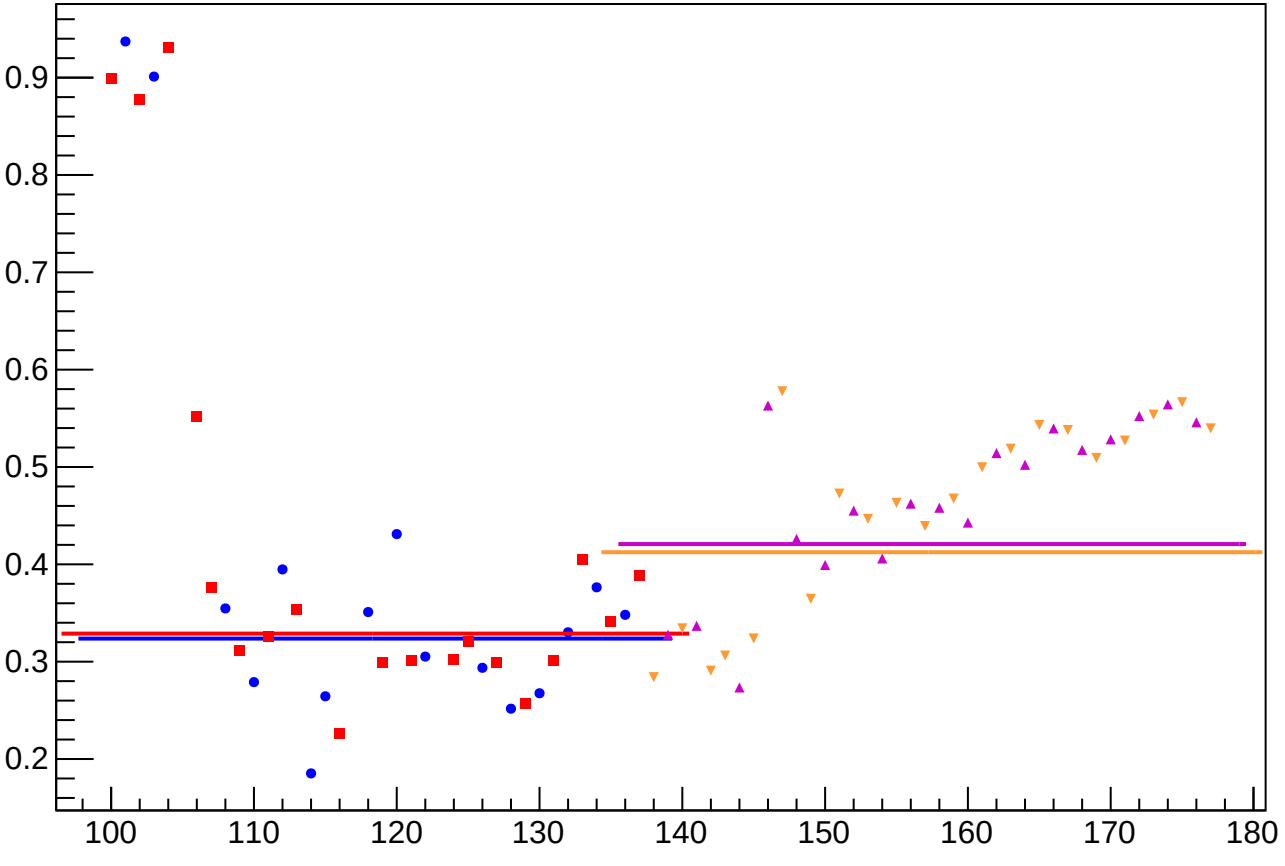
Right: 144.417+/-0.000 χ^2/NDF: 8040967165.8/34

In: 146.355+/-0.000 χ^2/NDF:4441466802.0/34

Out: 146.690+/-0.000 χ^2/NDF:4773582406.0/39

All: 146.527+/-0.000 χ^2/NDF: 9222998061.9

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.412+/-0.000 χ^2/NDF:1798750.5/20

Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.421+/-0.000 χ^2/NDF:1422553.4/18

Left: 0.416+/-0.000 χ^2/NDF: 3227245.7/39

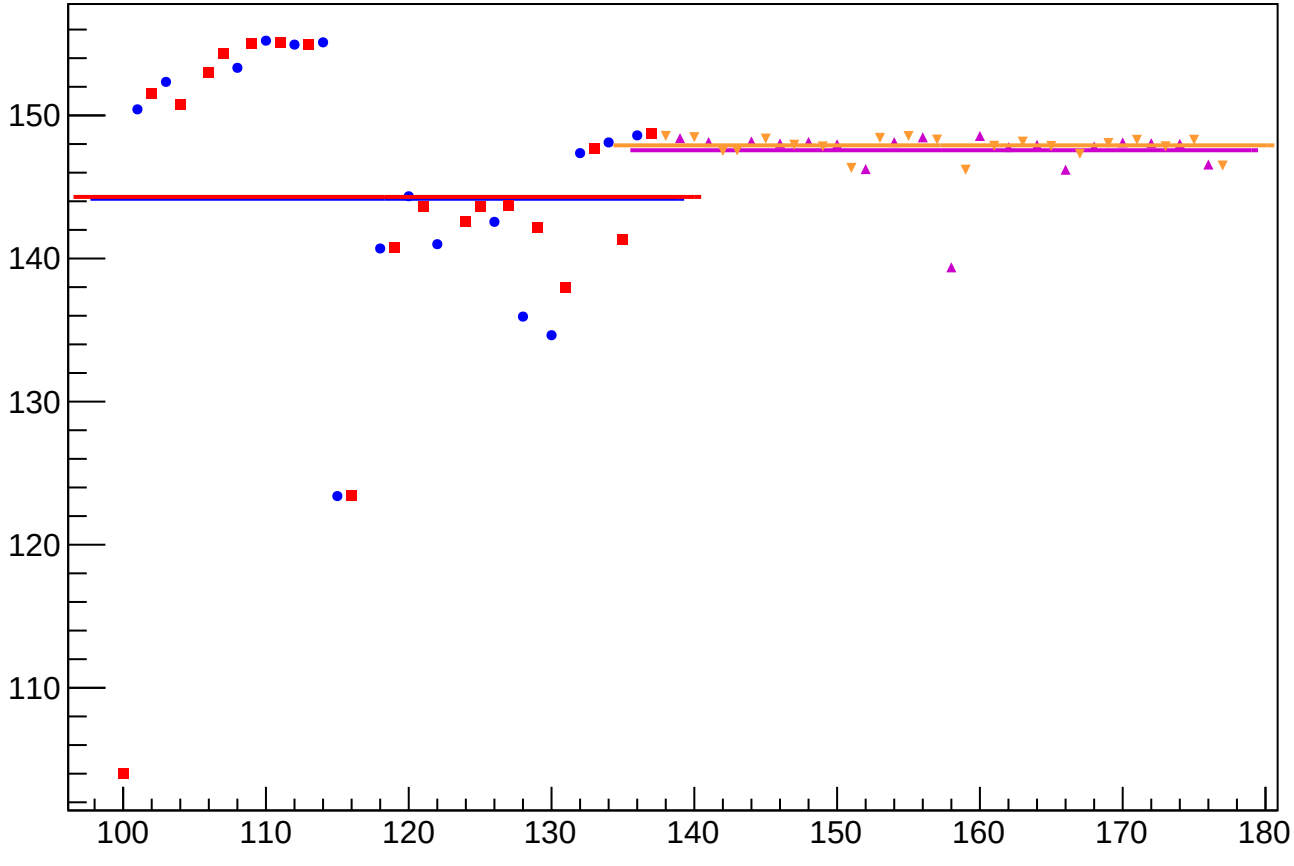
Right: 0.326+/-0.000 χ^2/NDF: 2697075.5/34

In: 0.381+/-0.000 χ^2/NDF:3443376.6/34

Out: 0.380+/-0.000 χ^2/NDF:3585416.5/39

All: 0.380+/-0.000 χ^2/NDF: 7028838.9/74

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.909+/-0.000 χ^2/NDF:40200883.5/20

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 147.565+/-0.000 χ^2/NDF:292668869.4/18

Left: 147.745+/-0.000 χ^2/NDF: 337882250.9/39

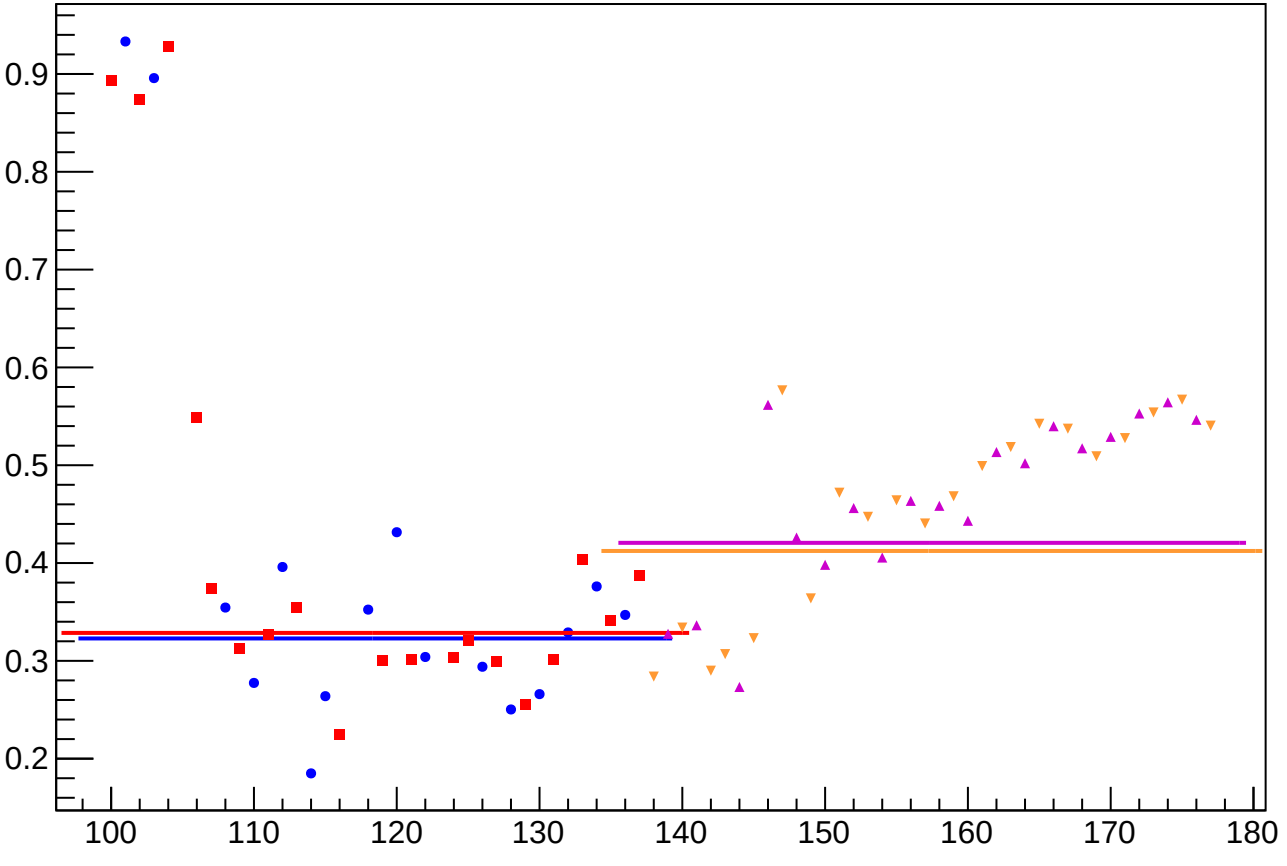
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 146.160+/-0.000 χ^2/NDF:4401136873.8/34

Out: 146.513+/-0.000 χ^2/NDF:4754174354.3/39

All: 146.342+/-0.000 χ^2/NDF: 9164124703.4

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.412+/-0.000 χ^2/NDF:1803272.2/20

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.421+/-0.000 χ^2/NDF:1428187.8/18

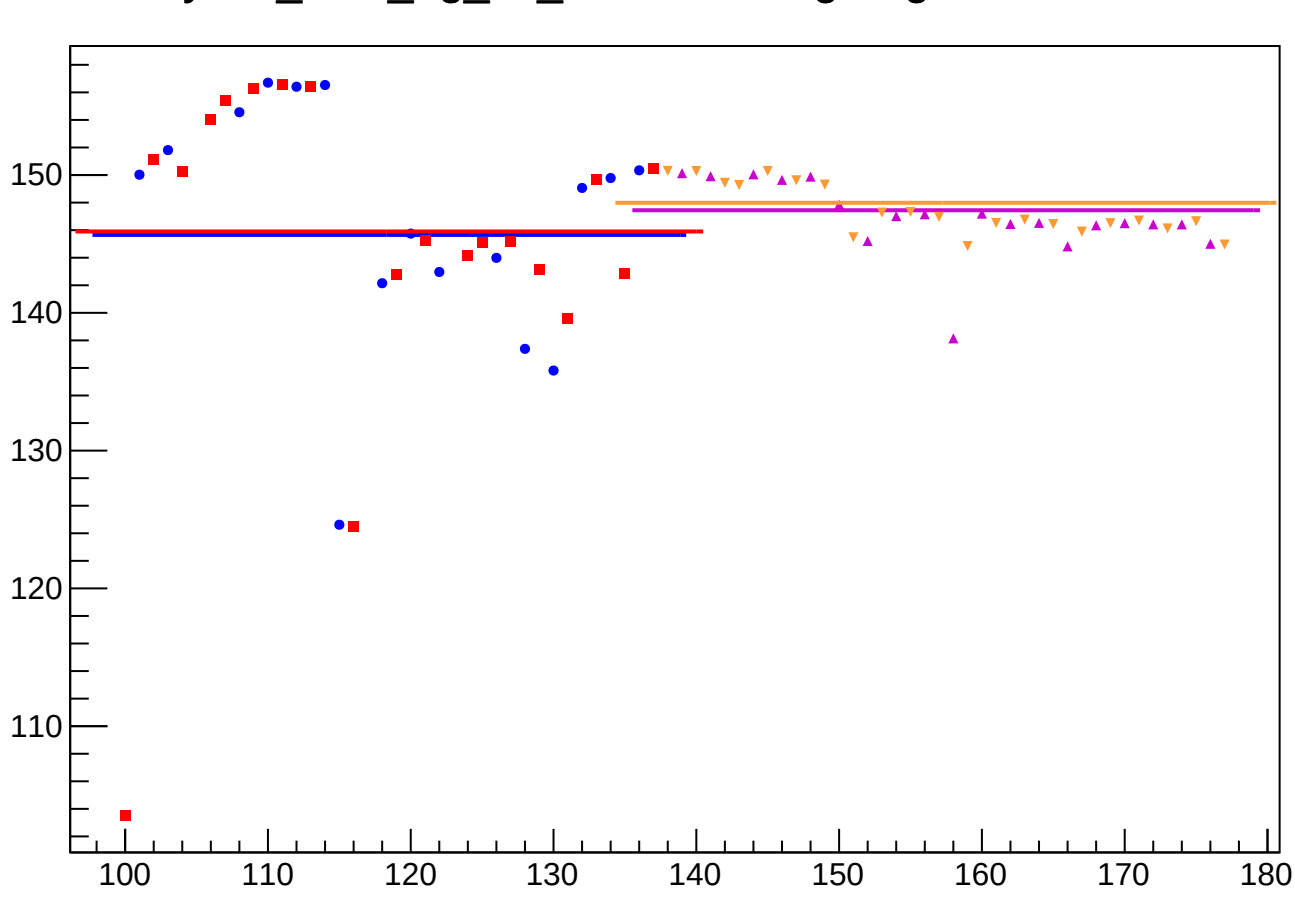
Left: 0.416+/-0.000 χ^2/NDF: 3237312.0/39

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.380+/-0.000 χ^2/NDF:3463065.9/34

Out: 0.380+/-0.000 χ^2/NDF:3593180.7/39

All: 0.380+/-0.000 χ^2/NDF: 7056254.0/74



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 147.986+/-0.000 χ^2/NDF:291448276.0/20

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

Left In: 147.444+/-0.000 χ^2/NDF:576521030.0/18

Left: 147.728+/-0.000 χ^2/NDF: 879703038.7/39

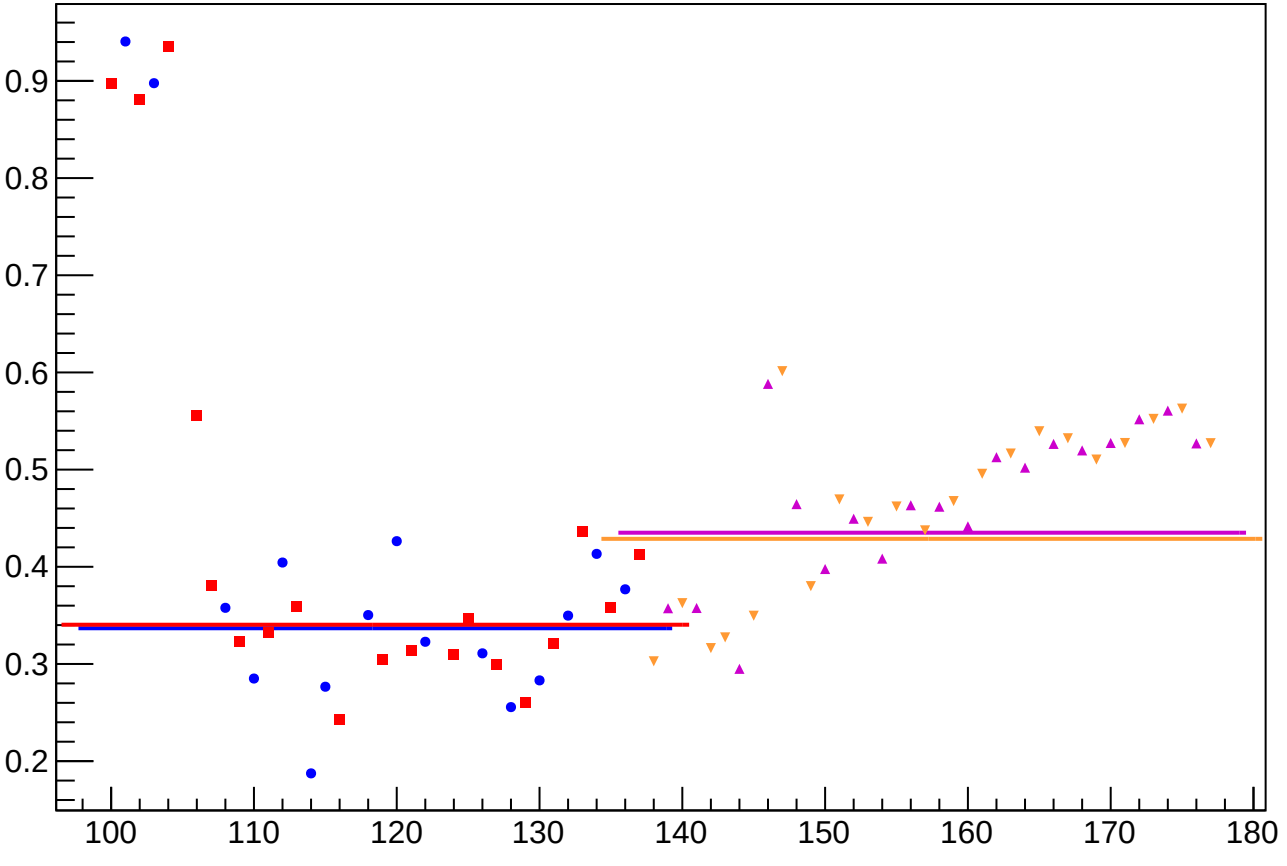
Right: 145.781+/-0.000 χ^2/NDF: 7346117767.9/34

In: 146.716+/-0.000 χ^2/NDF:4157289444.9/34

Out: 147.183+/-0.000 χ^2/NDF:4294418653.3/39

All: 146.956+/-0.000 χ^2/NDF: 8466153923.1

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.429+/-0.000 χ^2/NDF:1337002.9/20

Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.435+/-0.000 χ^2/NDF:1081059.2/18

Left: 0.432+/-0.000 χ^2/NDF: 2421234.3/39

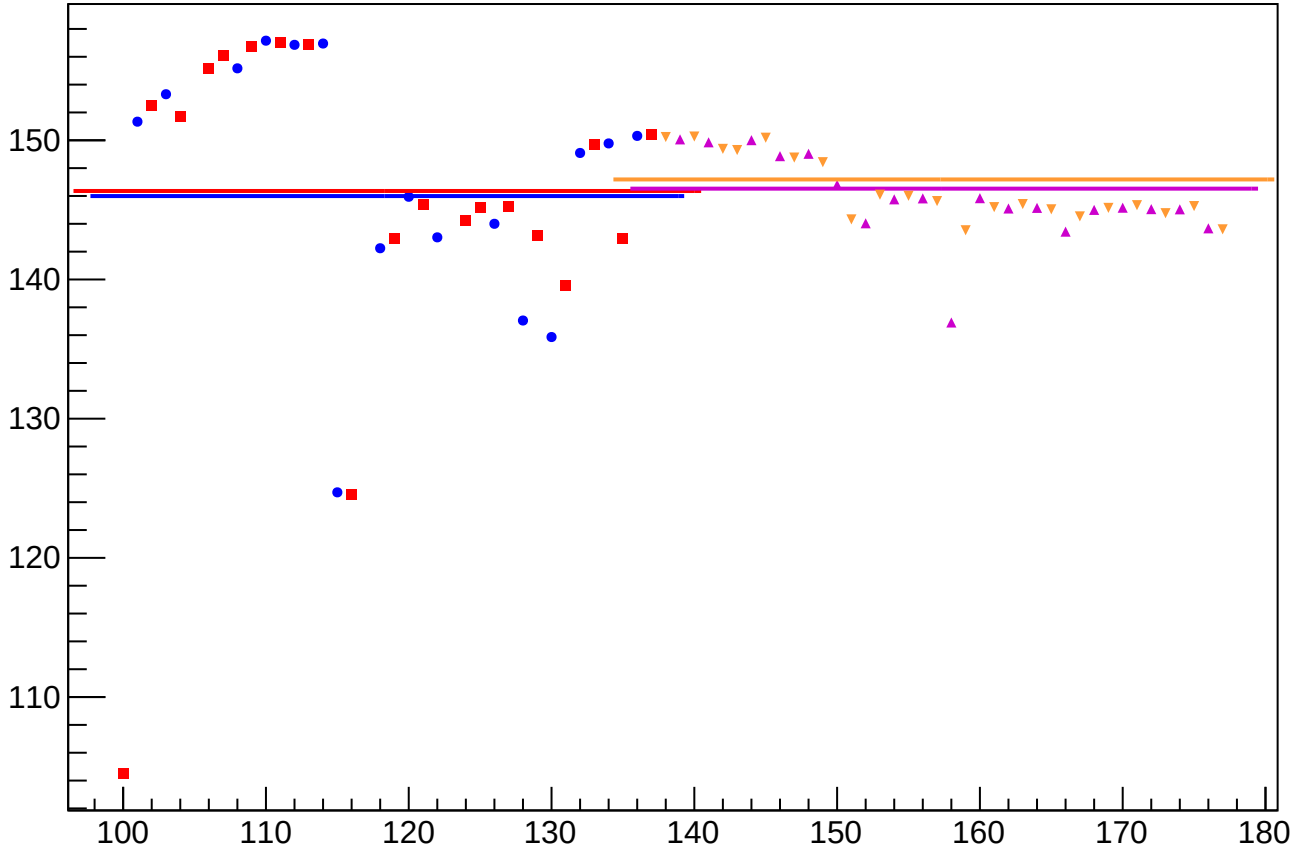
Right: 0.339+/-0.000 χ^2/NDF: 2645924.6/34

In: 0.395+/-0.000 χ^2/NDF:3052476.2/34

Out: 0.395+/-0.000 χ^2/NDF:3116220.3/39

All: 0.395+/-0.000 χ^2/NDF: 6168712.3/74

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 147.187+/-0.000 χ^2/NDF:488034059.9/20

Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

Left In: 146.526+/-0.000 χ^2/NDF:768529116.3/18

Left: 146.872+/-0.000 χ^2/NDF: 1273973264.2/39

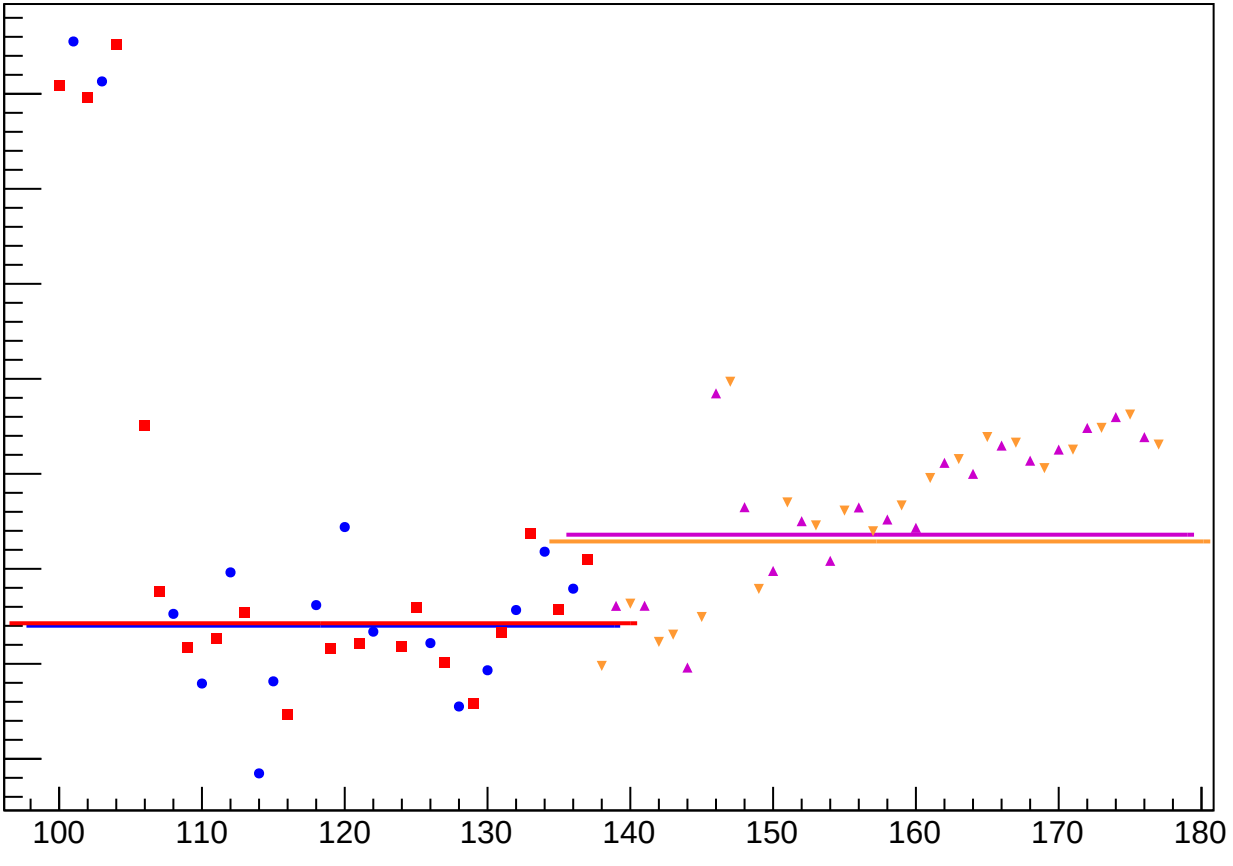
Right: 146.176+/-0.000 χ^2/NDF: 7588198619.6/34

In: 146.311+/-0.000 χ^2/NDF:4398861945.4/34

Out: 146.870+/-0.000 χ^2/NDF:4473108239.2/39

All: 146.599+/-0.000 χ^2/NDF: 8892475947.2

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.429+/-0.000 χ^2/NDF:1323188.1/20

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

Left In: 0.436+/-0.000 χ^2/NDF:1043638.4/18

Left: 0.432+/-0.000 χ^2/NDF: 2370845.4/39

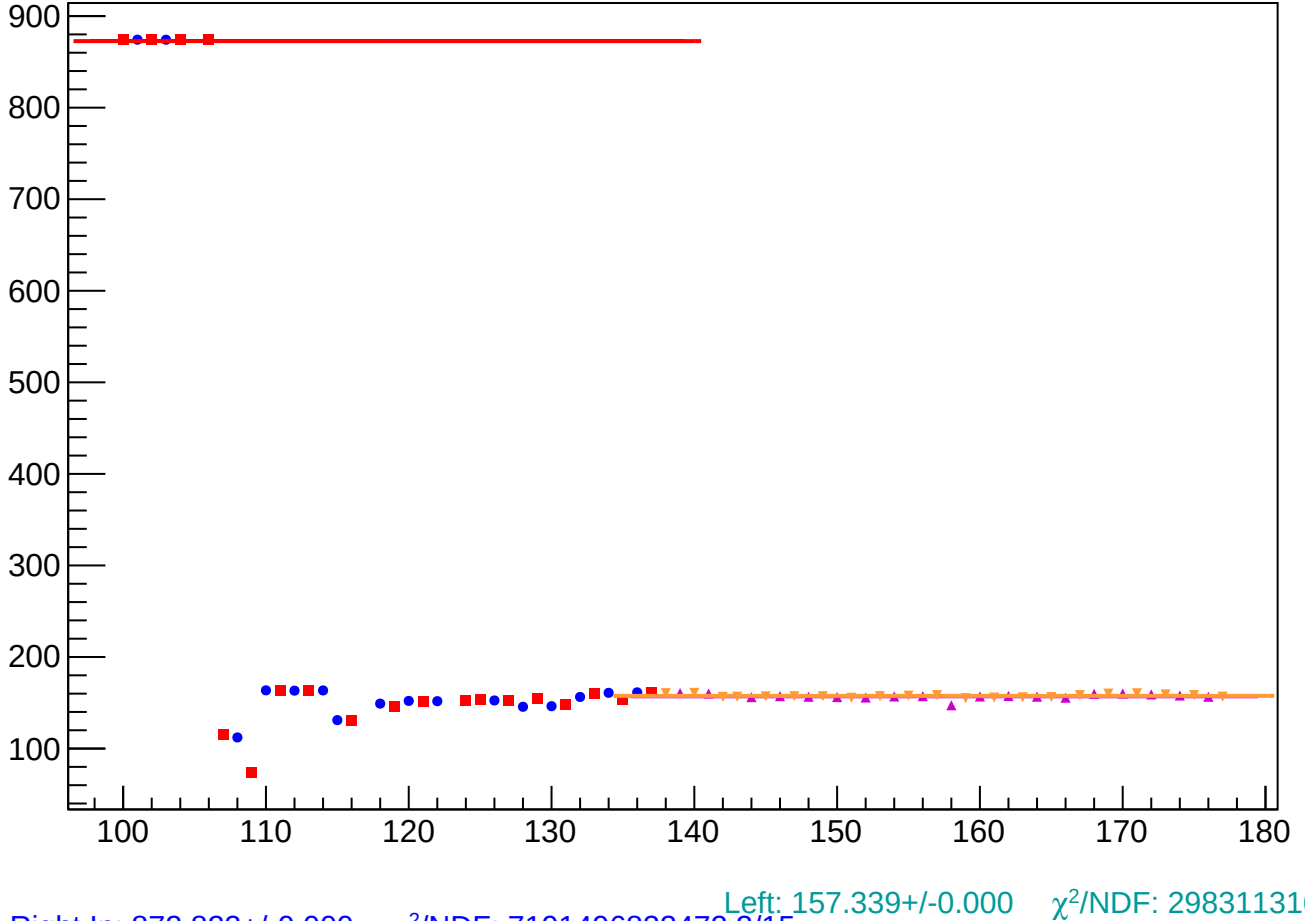
Right: 0.341+/-0.000 χ^2/NDF: 2664290.2/34

In: 0.397+/-0.000 χ^2/NDF:2998342.5/34

Out: 0.396+/-0.000 χ^2/NDF:3067941.8/39

All: 0.397+/-0.000 χ^2/NDF: 6066562.0/74

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 157.569+/-0.000 χ^2/NDF:92469403.6/20

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

Left In: 157.095+/-0.000 χ^2/NDF:202686196.6/18

Left: 157.339+/-0.000 χ^2/NDF: 298311316.6/39

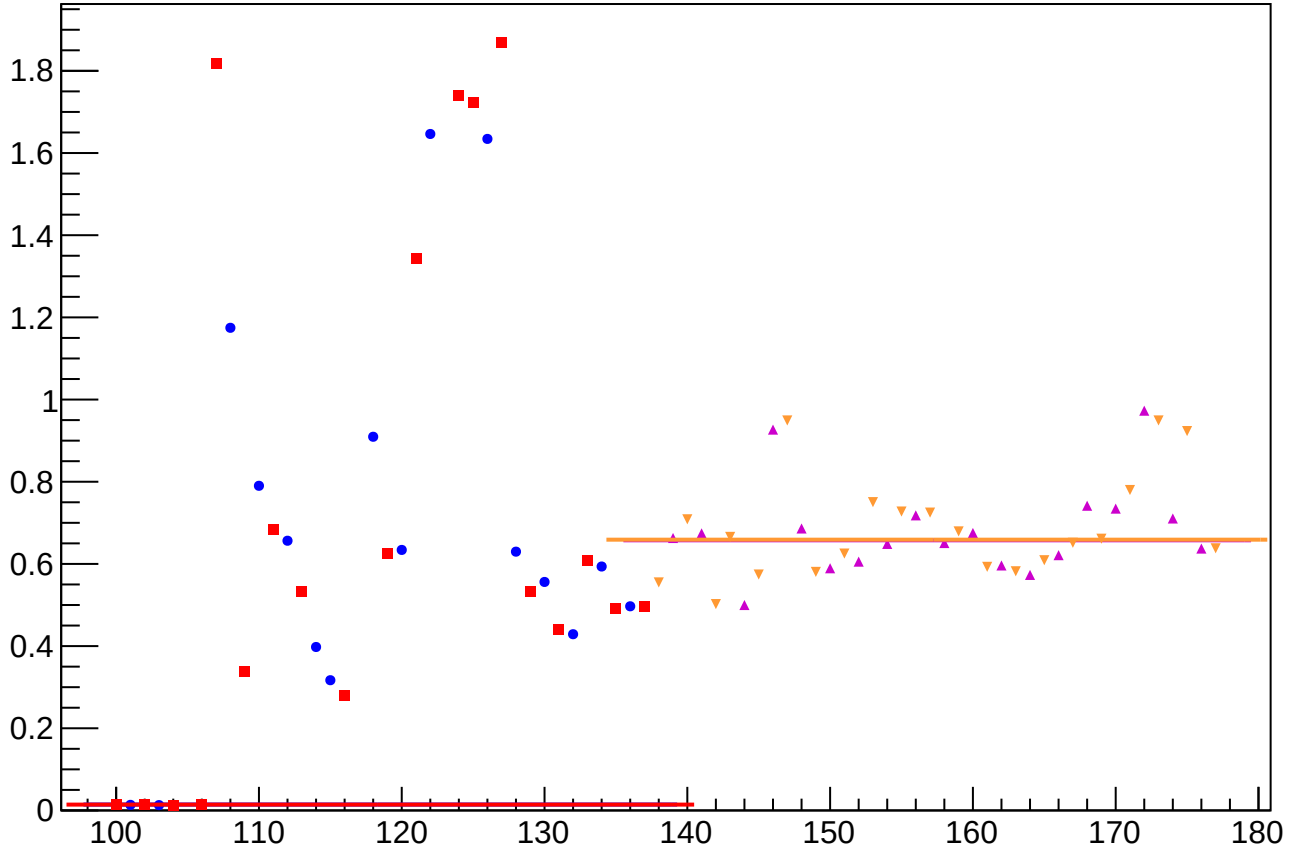
Right: 872.744+/-0.000 χ^2/NDF: 16358876765227.4

In: 870.084+/-0.000 χ^2/NDF:21153645419530.0/3

Out: 870.160+/-0.000 χ^2/NDF:23936917544110.2

All: 870.124+/-0.000 χ^2/NDF: 450905850068

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.659+/-0.000 χ^2/NDF:606740.0/20

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

Left In: 0.657+/-0.000 χ^2/NDF:461774.8/18

Left: 0.658+/-0.000 χ^2/NDF: 1068581.2/39

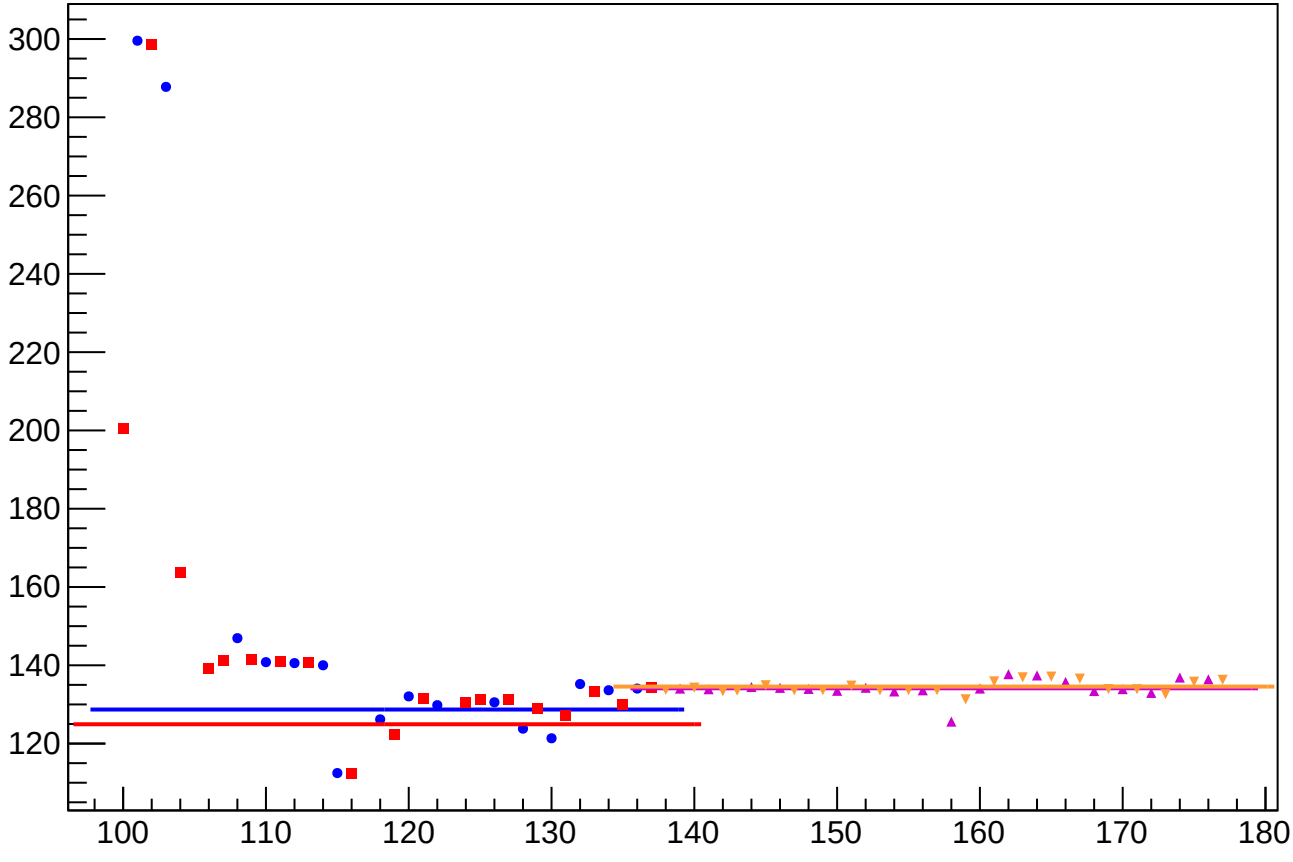
Right: 0.014+/-0.000 χ^2/NDF: 19032353.5/34

In: 0.017+/-0.000 χ^2/NDF:32627590.5/34

Out: 0.017+/-0.000 χ^2/NDF:34030443.1/39

All: 0.017+/-0.000 χ^2/NDF: 66658880.5/74

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 134.562+/-0.000 χ^2/NDF:136818368.6/20

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

Left In: 134.126+/-0.000 χ^2/NDF:408792051.7/18

Left: 134.355+/-0.000 χ^2/NDF: 550989300.4/39

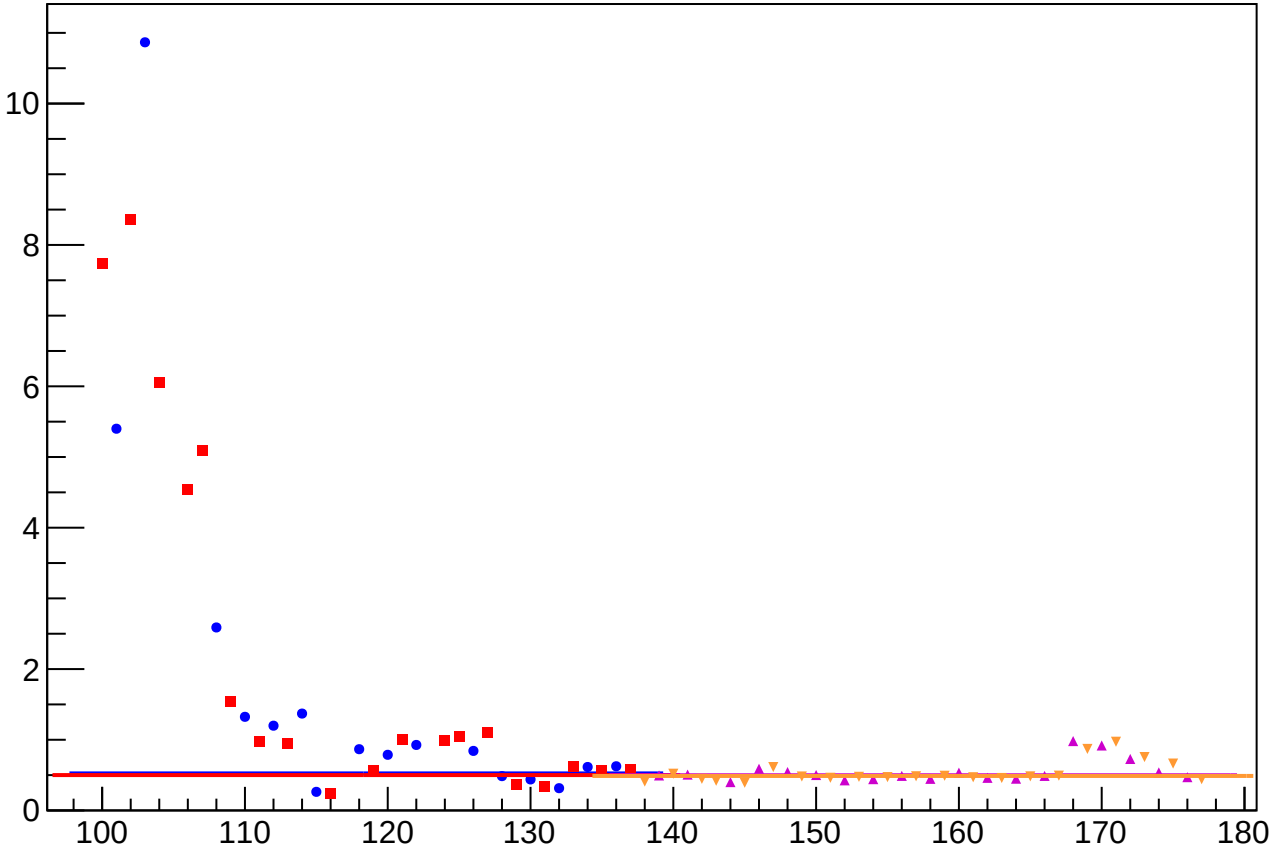
Right: 126.772+/-0.000 χ^2/NDF: 3151132983.0/34

In: 133.047+/-0.000 χ^2/NDF:2380118002.1/34

Out: 132.732+/-0.000 χ^2/NDF:2587830771.4/39

All: 132.882+/-0.000 χ^2/NDF: 4971422805.7

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.488+/-0.000 χ^2/NDF:1164170.0/20

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

Left In: 0.498+/-0.000 χ^2/NDF:1089677.4/18

Left: 0.493+/-0.000 χ^2/NDF: 2258972.4/39

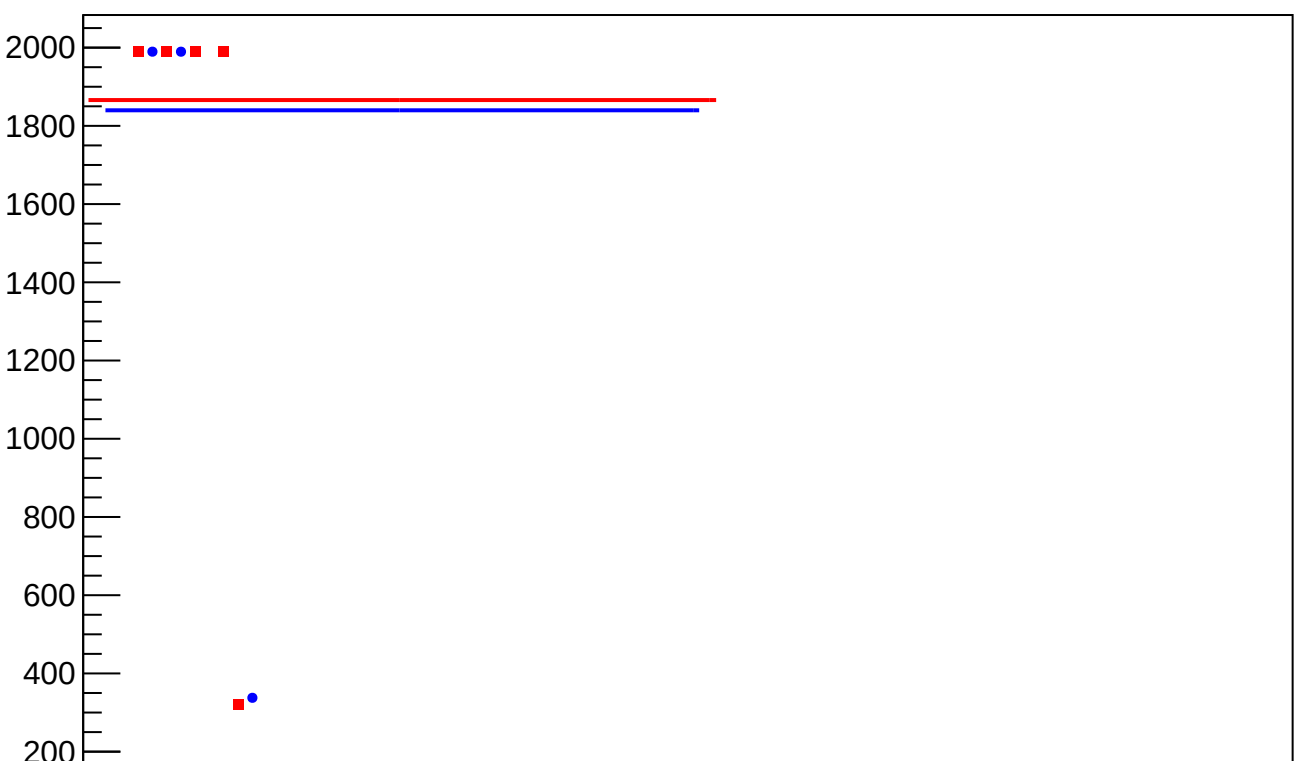
Right: 0.512+/-0.000 χ^2/NDF: 9030118.3/34

In: 0.503+/-0.000 χ^2/NDF:5242696.6/34

Out: 0.491+/-0.000 χ^2/NDF:6051642.4/39

All: 0.497+/-0.000 χ^2/NDF: 11305166.1/74

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.555+/-0.000 χ^2/NDF:62943090.3/20

Right Out: 1865.968+/-0.000 χ^2/NDF: 142769122276045.8/18

Left In: 137.338+/-0.000 χ^2/NDF:238183048.9/18

Left: 137.453+/-0.000 χ^2/NDF: 303017563.8/39

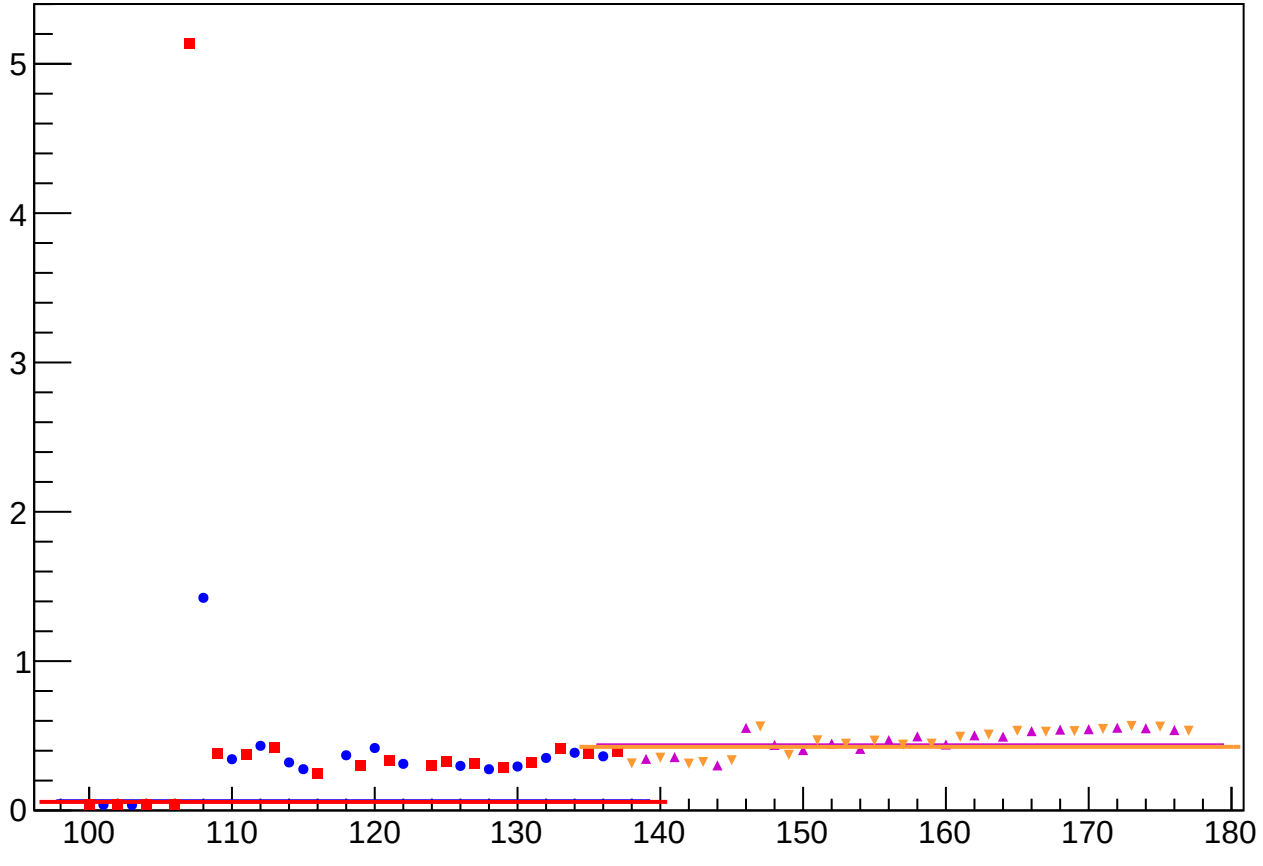
Right: 1853.888+/-0.000 χ^2/NDF: 2888957986059

In: 1639.031+/-0.000 χ^2/NDF:340834738001096.

Out: 1669.829+/-0.000 χ^2/NDF:36852477555030

All: 1655.583+/-0.000 χ^2/NDF: 709689101

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.426+/-0.000 χ^2/NDF:1363432.7/20

Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

Left In: 0.436+/-0.000 χ^2/NDF:1066697.2/18

Left: 0.431+/-0.000 χ^2/NDF: 2438415.8/39

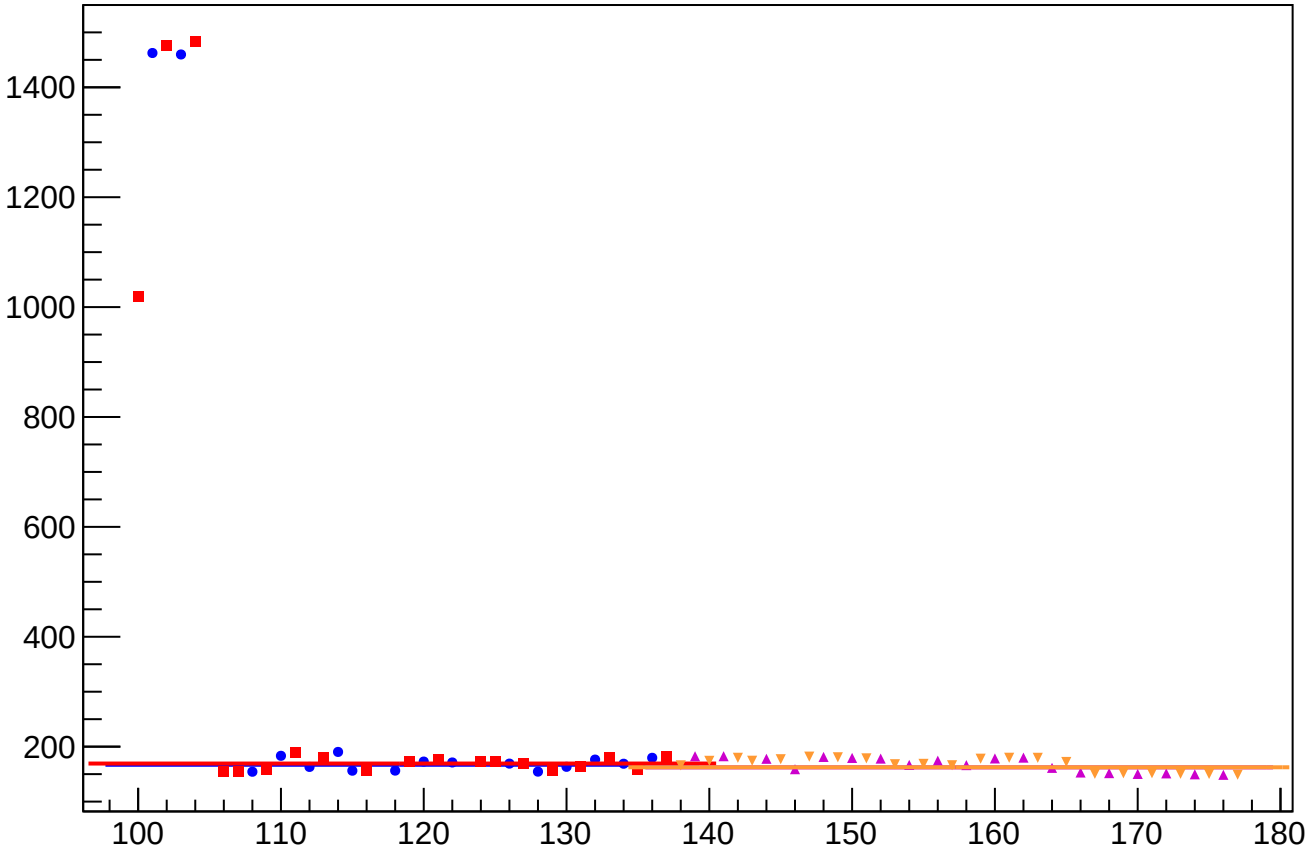
Right: 0.059+/-0.000 χ^2/NDF: 15927866.9/34

In: 0.106+/-0.000 χ^2/NDF:28086795.1/34

Out: 0.099+/-0.000 χ^2/NDF:29646813.5/39

All: 0.102+/-0.000 χ^2/NDF: 57765644.1/74

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 162.462+/-0.000 χ^2/NDF:3218277202.8/20

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

Left In: 162.287+/-0.000 χ^2/NDF:3148352493.0/18

Left: 162.379+/-0.000 χ^2/NDF: 6366935844.3/39

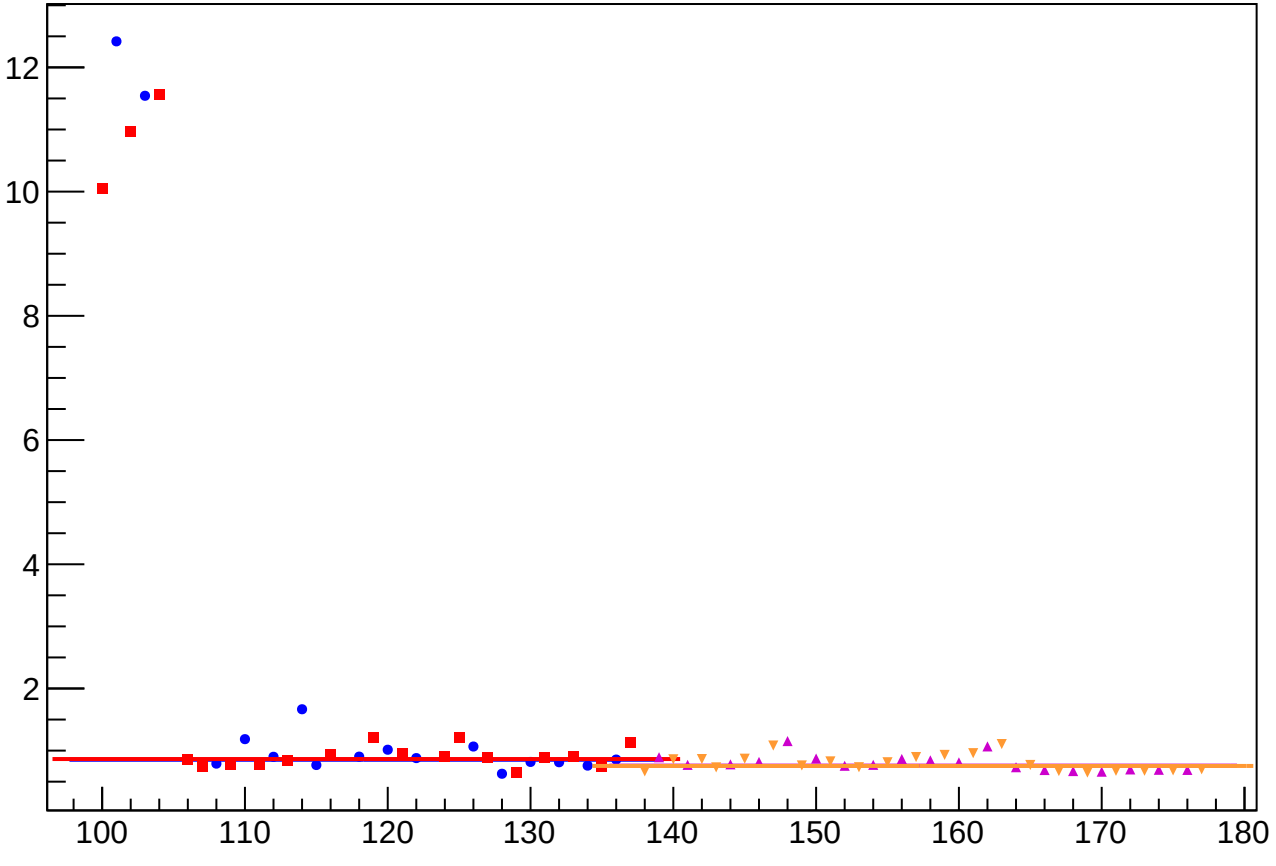
Right: 168.153+/-0.000 χ^2/NDF: 30946000130.2/34

In: 163.311+/-0.000 χ^2/NDF:17856138824.9/34

Out: 163.868+/-0.000 χ^2/NDF:19735352094.8/39

All: 163.600+/-0.000 χ^2/NDF: 37595423321.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.753+/-0.000 χ^2/NDF:533027.3/20

Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.758+/-0.000 χ^2/NDF:420468.1/18

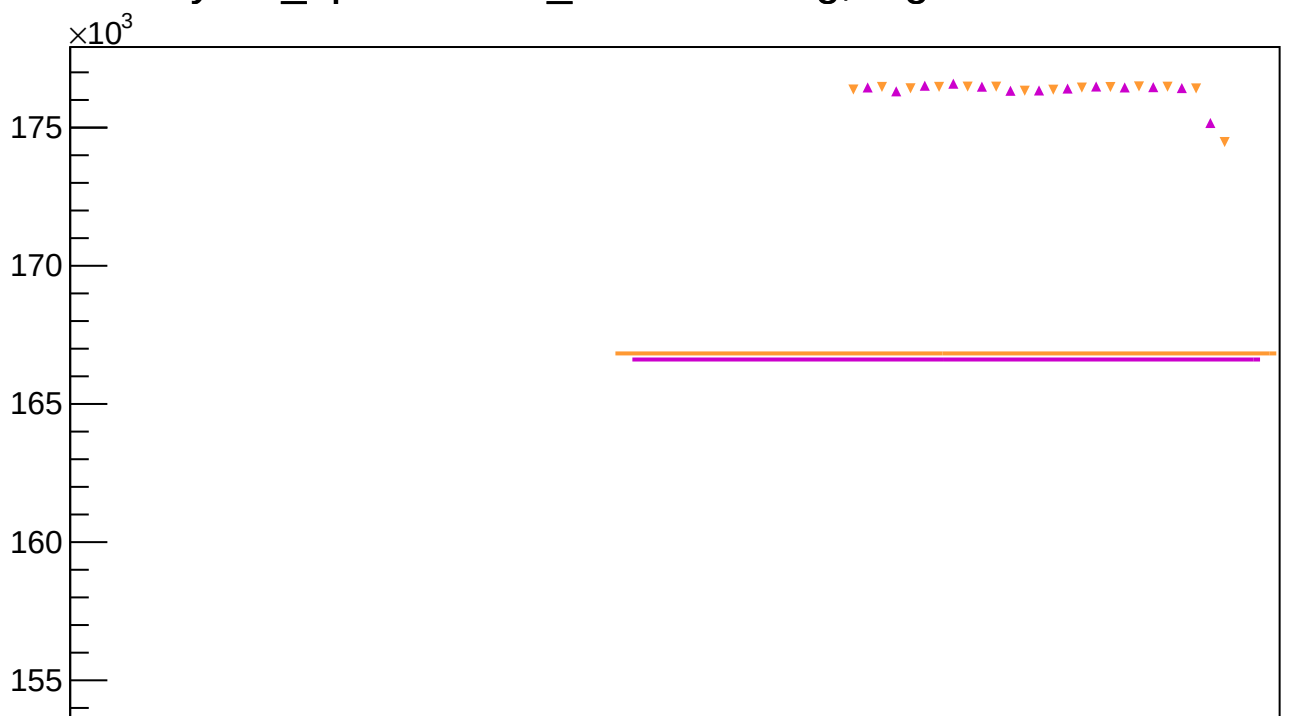
Left: 0.756+/-0.000 χ^2/NDF: 954069.7/39

Right: 0.859+/-0.000 χ^2/NDF: 4512219.1/34

In: 0.779+/-0.000 χ^2/NDF:2796951.7/34

Out: 0.776+/-0.000 χ^2/NDF:2849212.4/39

All: 0.777+/-0.000 χ^2/NDF: 5646365.3/74



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 166828.368+/-0.049 χ^2/NDF:57777467241.4/20

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

Left In: 166608.185+/-0.051 χ^2/NDF:53231173102.7/18

Left: 166723.706+/-0.035 χ^2/NDF: 111018430057.

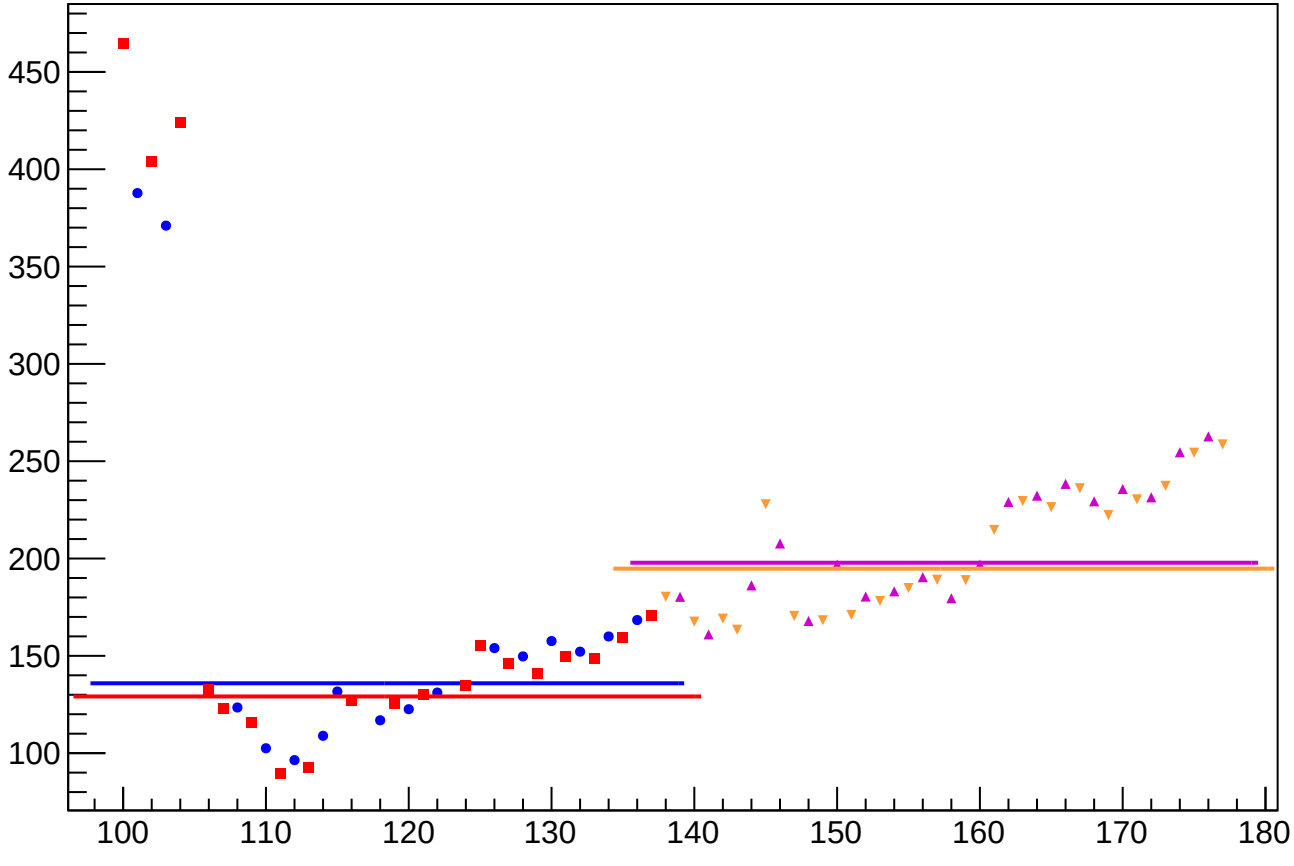
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 159140.443+/-0.037 χ^2/NDF:99569343883.2/3

Out: 159097.579+/-0.035 χ^2/NDF:111396950658.

All: 159117.759+/-0.026 χ^2/NDF: 21096699

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 194.797+/-0.034 χ^2/NDF:722699.5/20

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 197.836+/-0.036 χ^2/NDF:580005.7/18

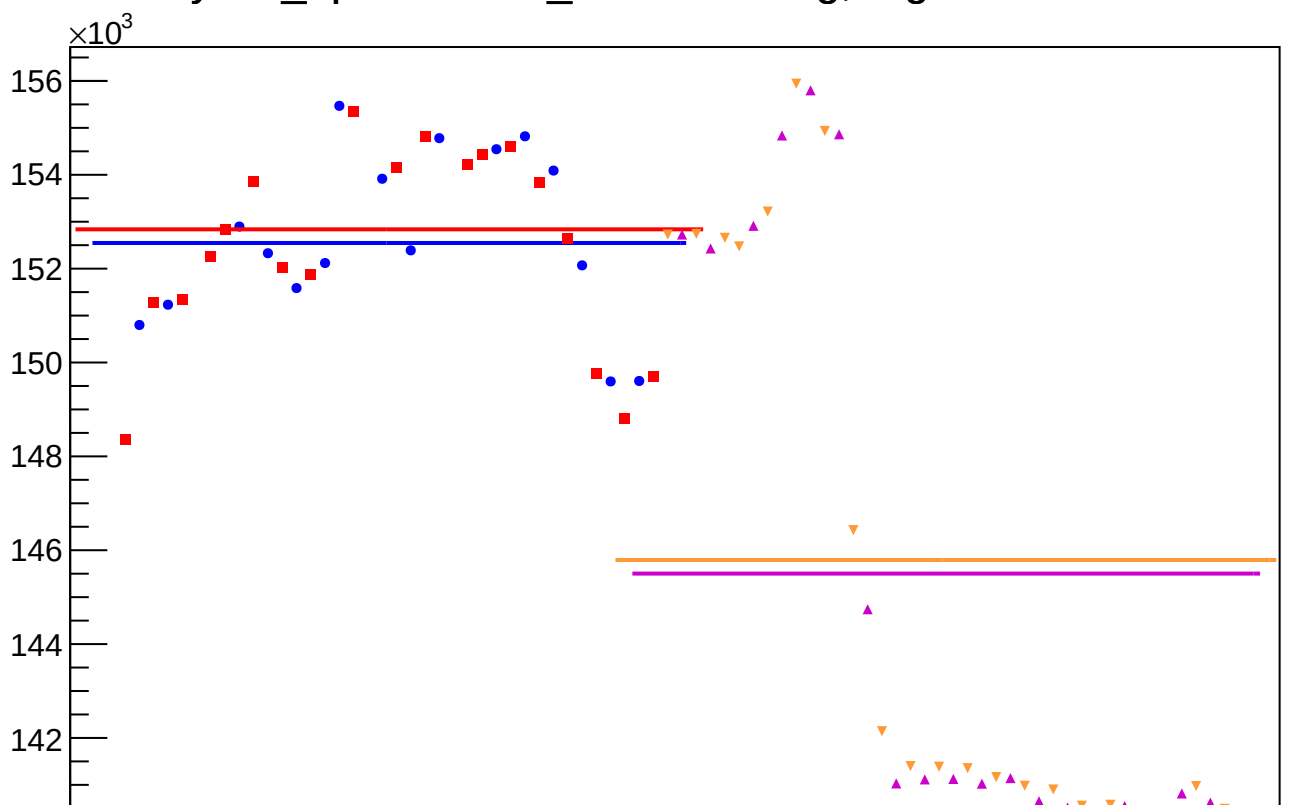
Left: 196.241+/-0.025 χ^2/NDF: 1306434.1/39

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 168.998+/-0.026 χ^2/NDF:3371302.7/34

Out: 163.589+/-0.025 χ^2/NDF:4078167.2/39

All: 166.135+/-0.018 χ^2/NDF: 7471769.7/74



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 145791.682+/-0.052 χ^2/NDF:12657988662.5/20

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 145502.366+/-0.054 χ^2/NDF:12234223450.9/18

Left: 145653.087+/-0.037 χ^2/NDF: 24907067598.4

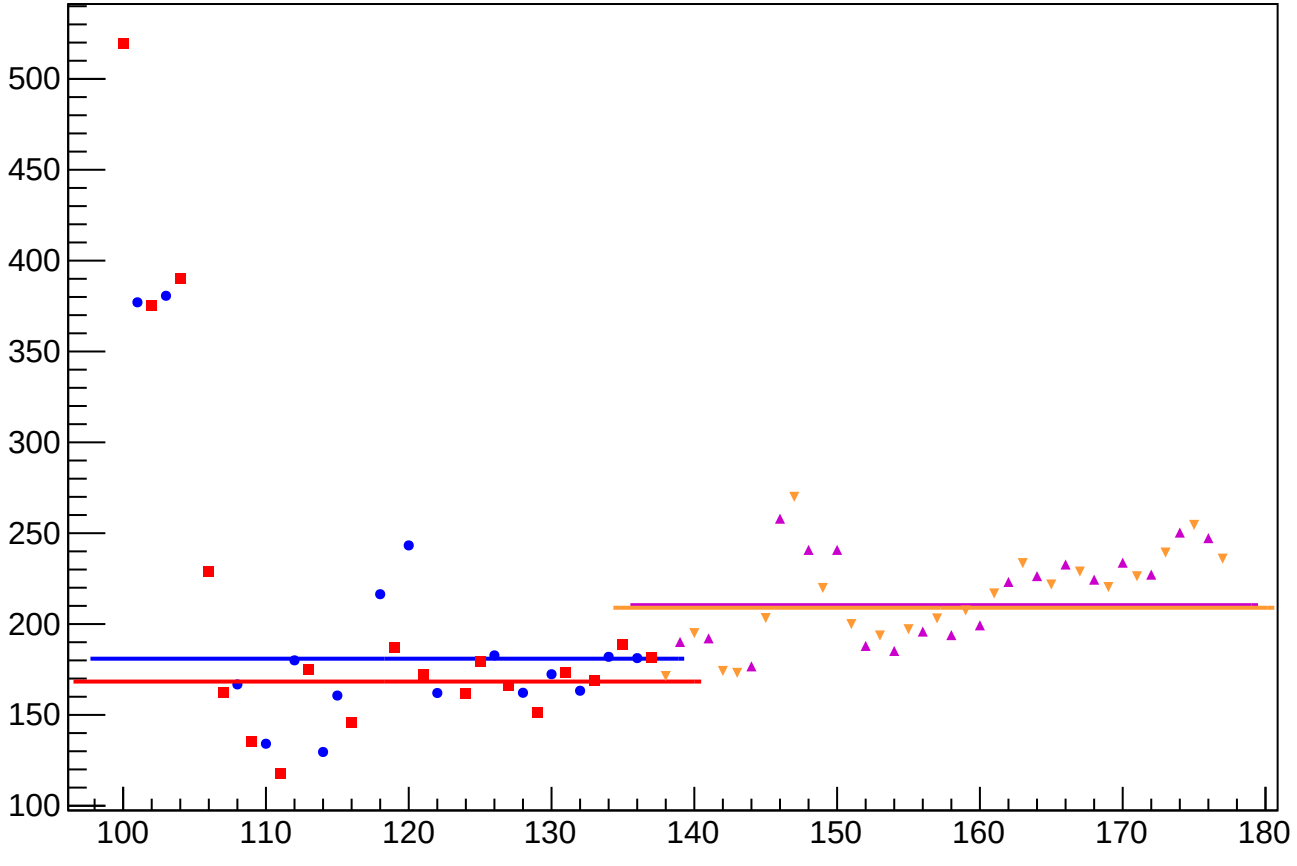
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 148021.526+/-0.043 χ^2/NDF:18934518678.9/3

Out: 148454.377+/-0.041 χ^2/NDF:20345889550.3/

All: 148250.486+/-0.030 χ^2/NDF: 39332966

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 208.978+/-0.037 χ^2/NDF:442478.0/20

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 210.398+/-0.038 χ^2/NDF:420226.8/18

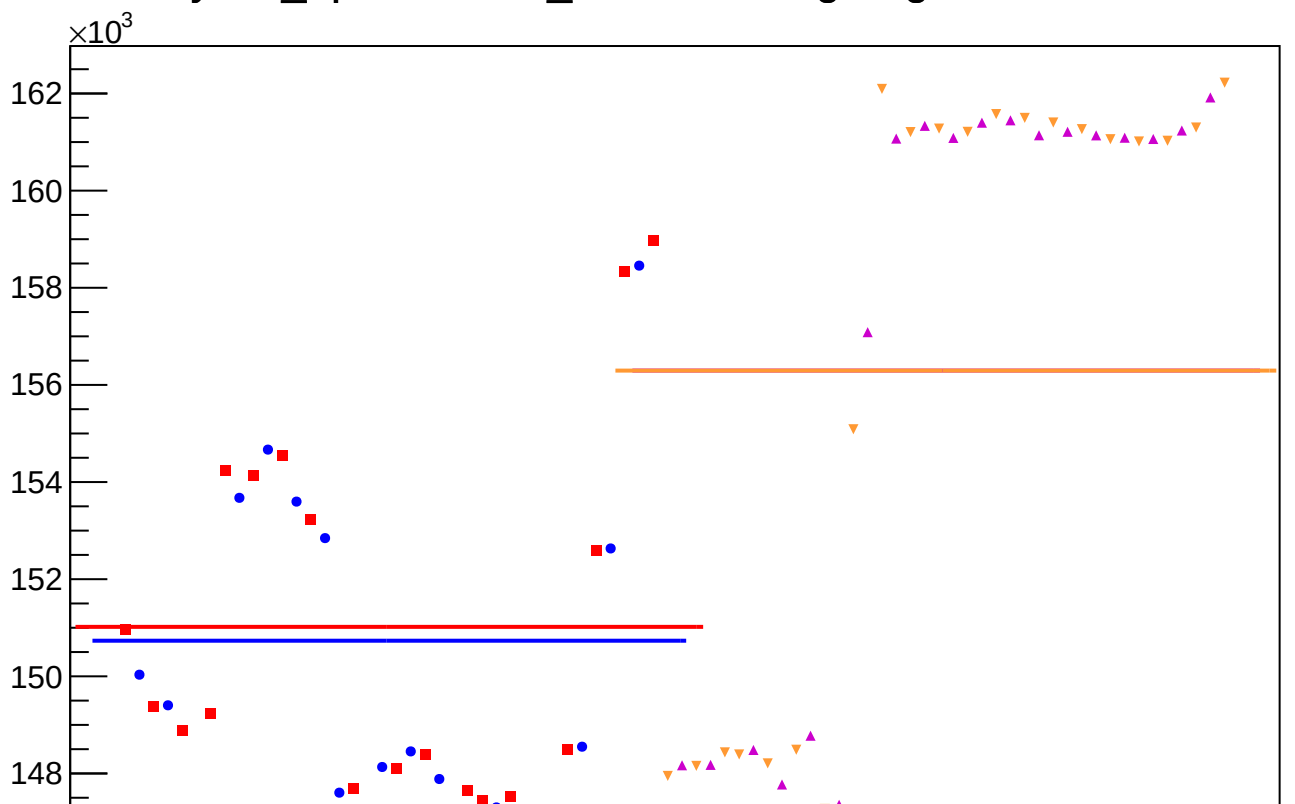
Left: 209.658+/-0.027 χ^2/NDF: 863420.8/39

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 199.863+/-0.031 χ^2/NDF:1539443.5/34

Out: 193.624+/-0.029 χ^2/NDF:1993765.9/39

All: 196.563+/-0.021 χ^2/NDF: 3555044.8/74



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 156294.785+/-0.051 χ^2/NDF:15298944685.8/20

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

Left In: 156295.334+/-0.053 χ^2/NDF:13298524960.0/18

Left: 156295.045+/-0.037 χ^2/NDF: 28597469701.4

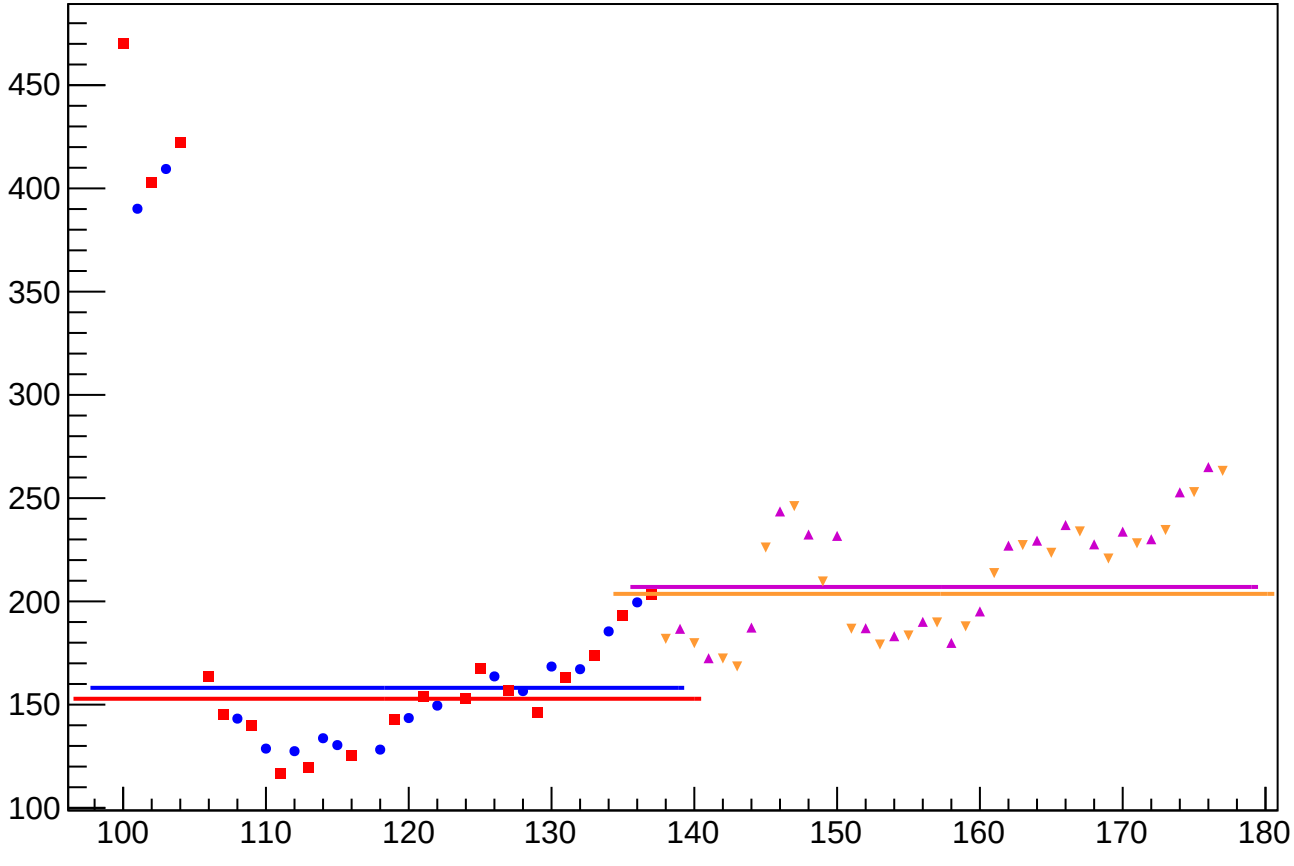
Right: 150882.491+/-0.043 χ^2/NDF: 6580735457.3/

In: 153972.092+/-0.041 χ^2/NDF:21135747279.7/3

Out: 154103.956+/-0.039 χ^2/NDF:23098846666.7

All: 154041.267+/-0.028 χ^2/NDF: 44240113

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 203.641+/-0.036 χ^2/NDF:557975.2/20

Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 206.993+/-0.038 χ^2/NDF:508255.4/18

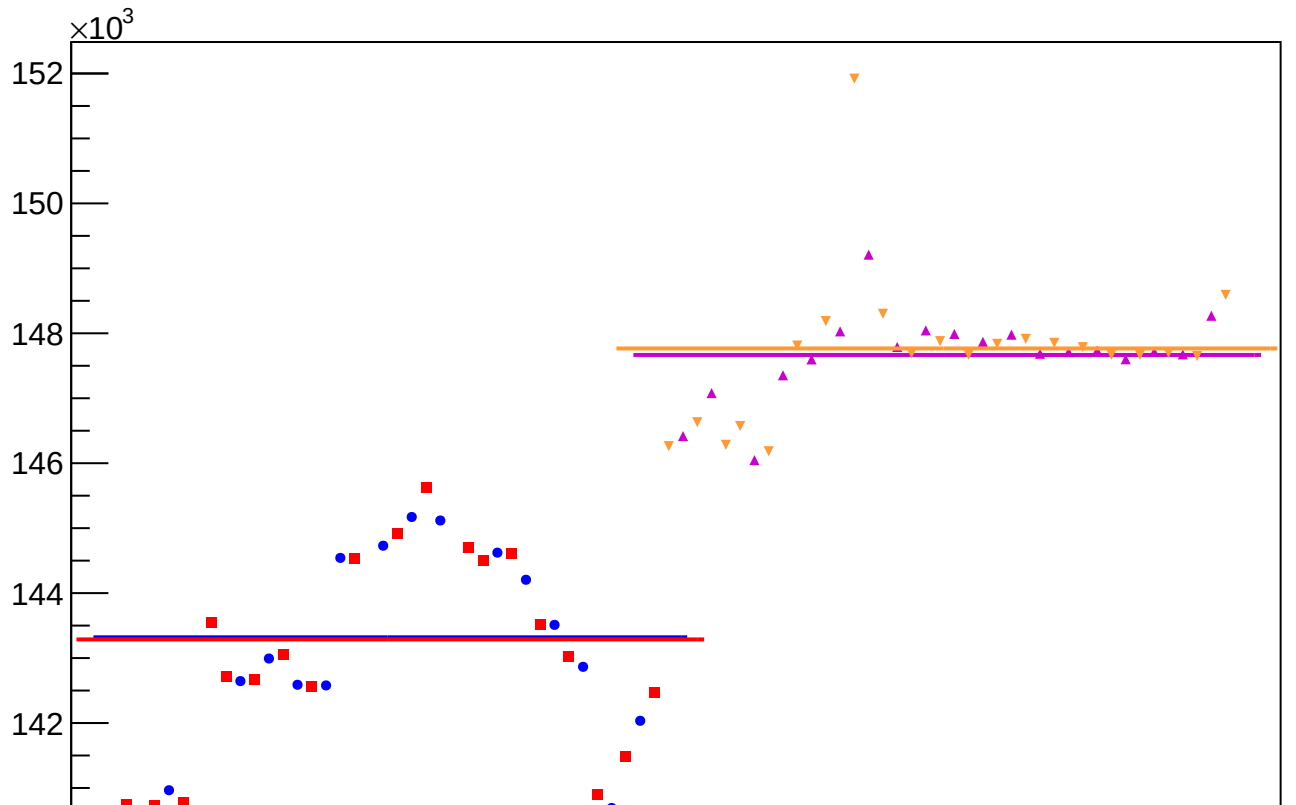
Left: 205.231+/-0.026 χ^2/NDF: 1070392.4/39

Right: 155.367+/-0.031 χ^2/NDF: 2467354.6/34

In: 186.586+/-0.029 χ^2/NDF:2406566.6/34

Out: 182.548+/-0.027 χ^2/NDF:2659045.8/39

All: 184.468+/-0.020 χ^2/NDF: 5075967.2/74



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 147766.595+/-0.047 χ^2/NDF:681146419.8/20

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

Left In: 147666.607+/-0.049 χ^2/NDF:203968524.7/18

Left: 147719.087+/-0.034 χ^2/NDF: 887258584.1/39

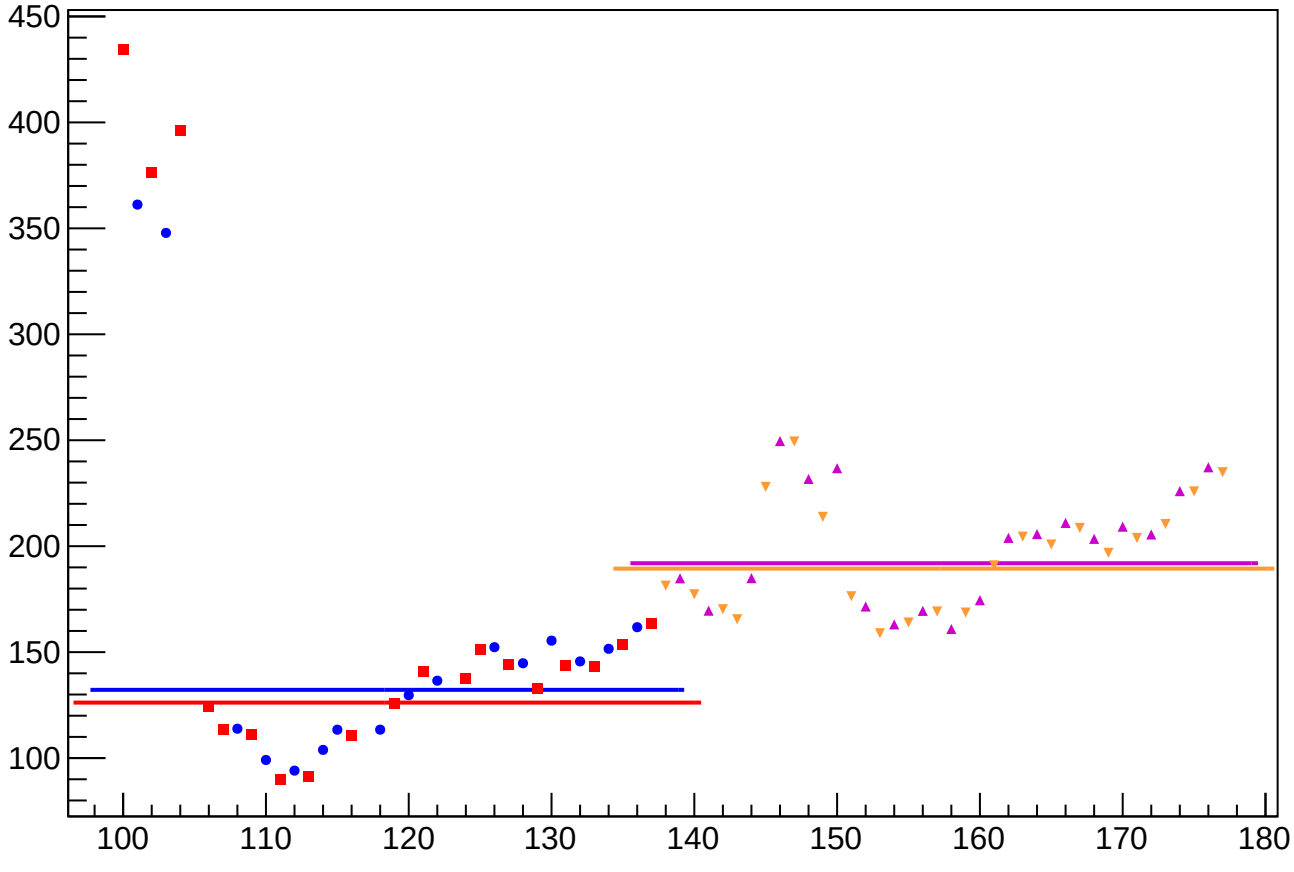
Right: 143302.220+/-0.036 χ^2/NDF: 1180025024.1/

In: 145647.491+/-0.036 χ^2/NDF:4348789619.0/34

Out: 145648.535+/-0.034 χ^2/NDF:5583327135.7/3

All: 145648.043+/-0.025 χ^2/NDF: 99321171

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 189.417+/-0.033 χ^2/NDF:529980.1/20

Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 191.965+/-0.035 χ^2/NDF:558172.2/18

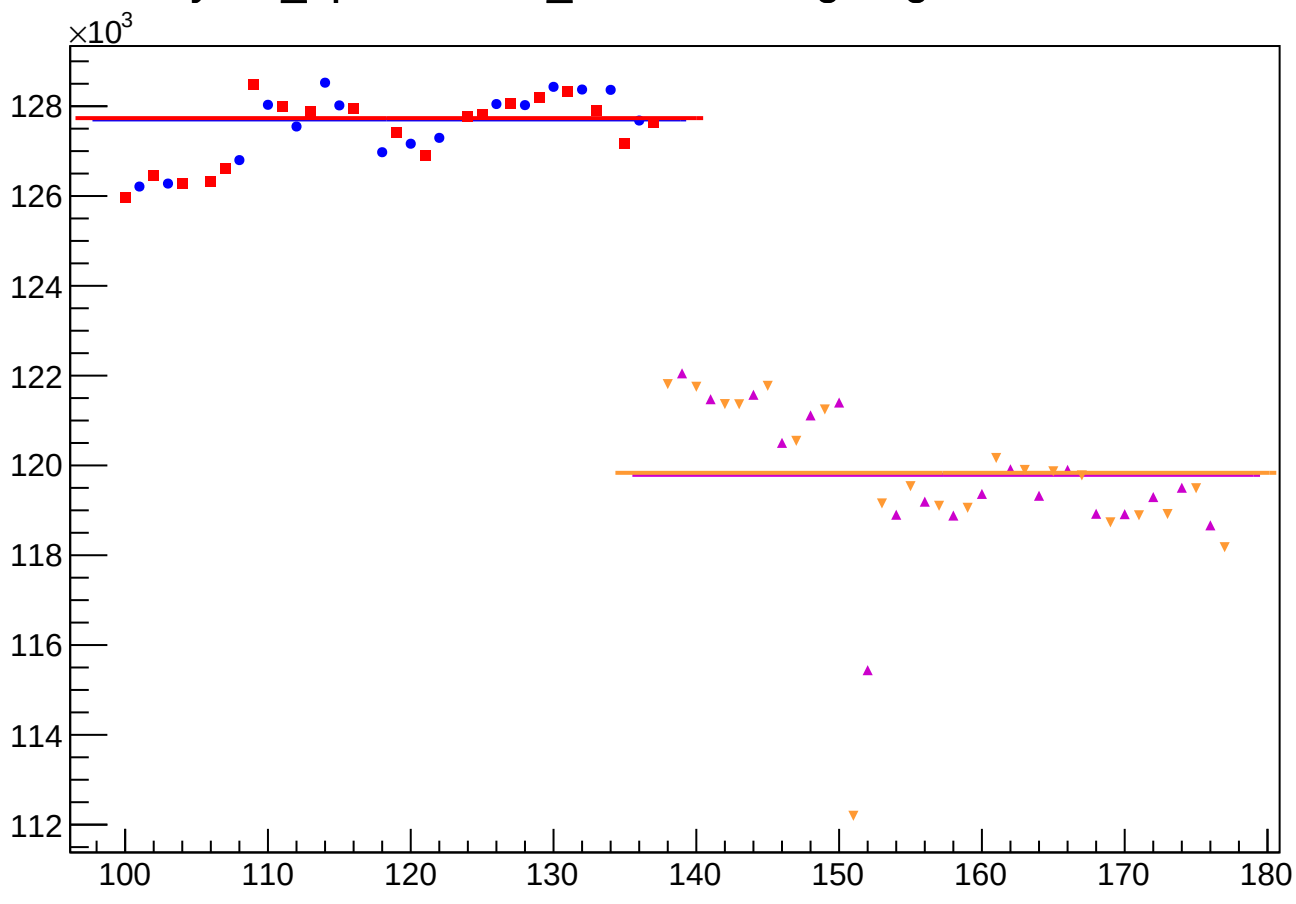
Left: 190.628+/-0.024 χ^2/NDF: 1090936.4/39

Right: 128.998+/-0.026 χ^2/NDF: 2937865.2/34

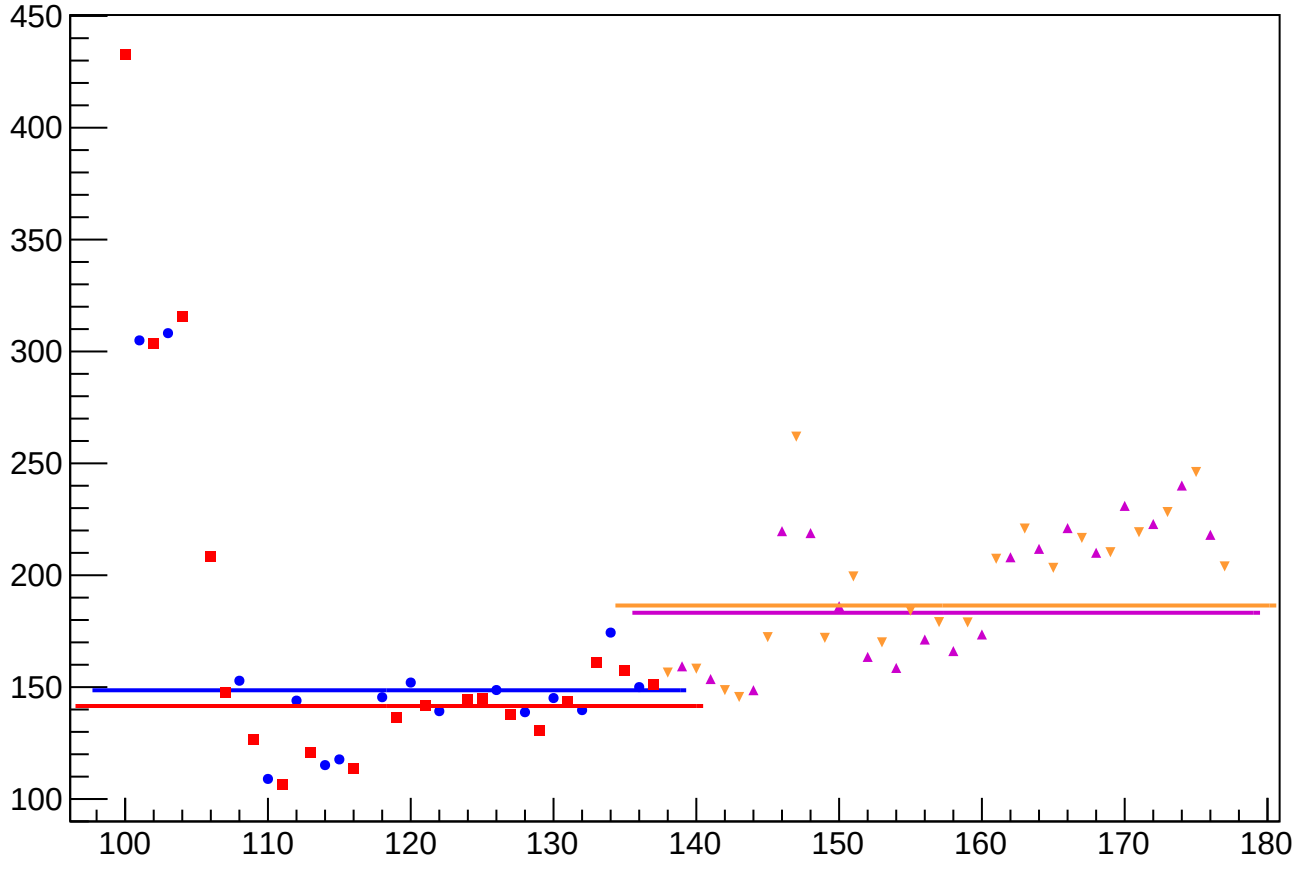
In: 164.207+/-0.026 χ^2/NDF:3292664.2/34

Out: 159.523+/-0.024 χ^2/NDF:3780880.0/39

All: 161.730+/-0.018 χ^2/NDF: 7091245.2/74


yield_bpm0l01WS_mean vs Slug, Sign Corrected
×10^3
128
126
124
122
120
118
116
114
112
100
110
120
130
140
150
160
170
180
Right In: 127705.222+/-0.058 χ²/NDF: 104467207.7/15
Left Out: 119835.554+/-0.047 χ²/NDF:1878555978.5/20
Right Out: 127734.542+/-0.055 χ²/NDF: 109469333.8/18
Left In: 119790.071+/-0.048 χ²/NDF:1207226055.4/18
Left: 119813.193+/-0.033 χ²/NDF: 3086246408.6/3
Right: 127720.787+/-0.040 χ²/NDF: 214070280.4/3
In: 122947.488+/-0.037 χ²/NDF:12347213240.2/3
Out: 123158.852+/-0.036 χ²/NDF:13974033456.7
All: 123056.890+/-0.026 χ²/NDF: 26338233

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 186.479+/-0.033 χ^2/NDF:781871.2/20

Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 183.232+/-0.034 χ^2/NDF:737370.8/18

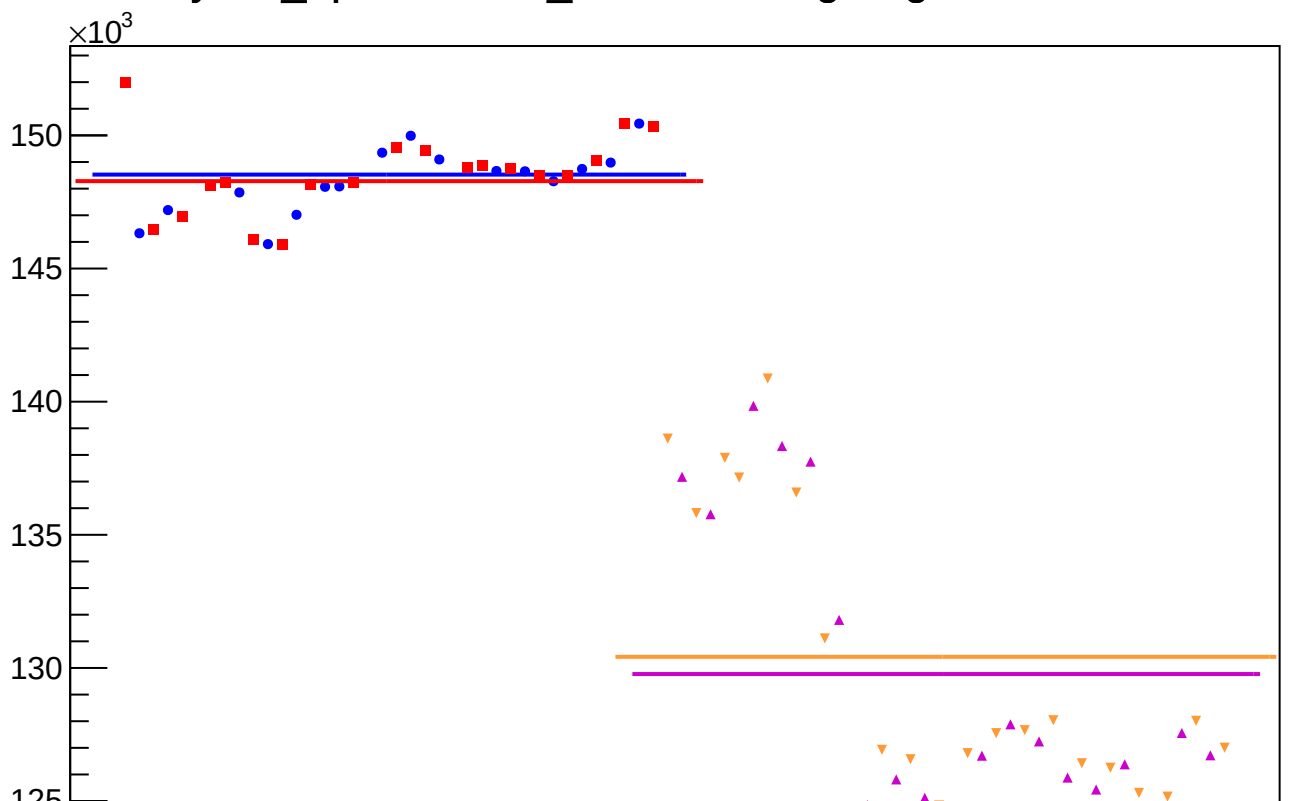
Left: 184.883+/-0.024 χ^2/NDF: 1523974.6/39

Right: 144.861+/-0.028 χ^2/NDF: 1844303.5/34

In: 169.414+/-0.026 χ^2/NDF:1987775.8/34

Out: 167.582+/-0.025 χ^2/NDF:2558197.1/39

All: 168.466+/-0.018 χ^2/NDF: 4548527.0/74



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 130418.272+/-0.068 χ^2/NDF:6094813821.9/20

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

Left In: 129771.329+/-0.069 χ^2/NDF:6260619017.9/18

Left: 130099.618+/-0.048 χ^2/NDF: 12399937014.5

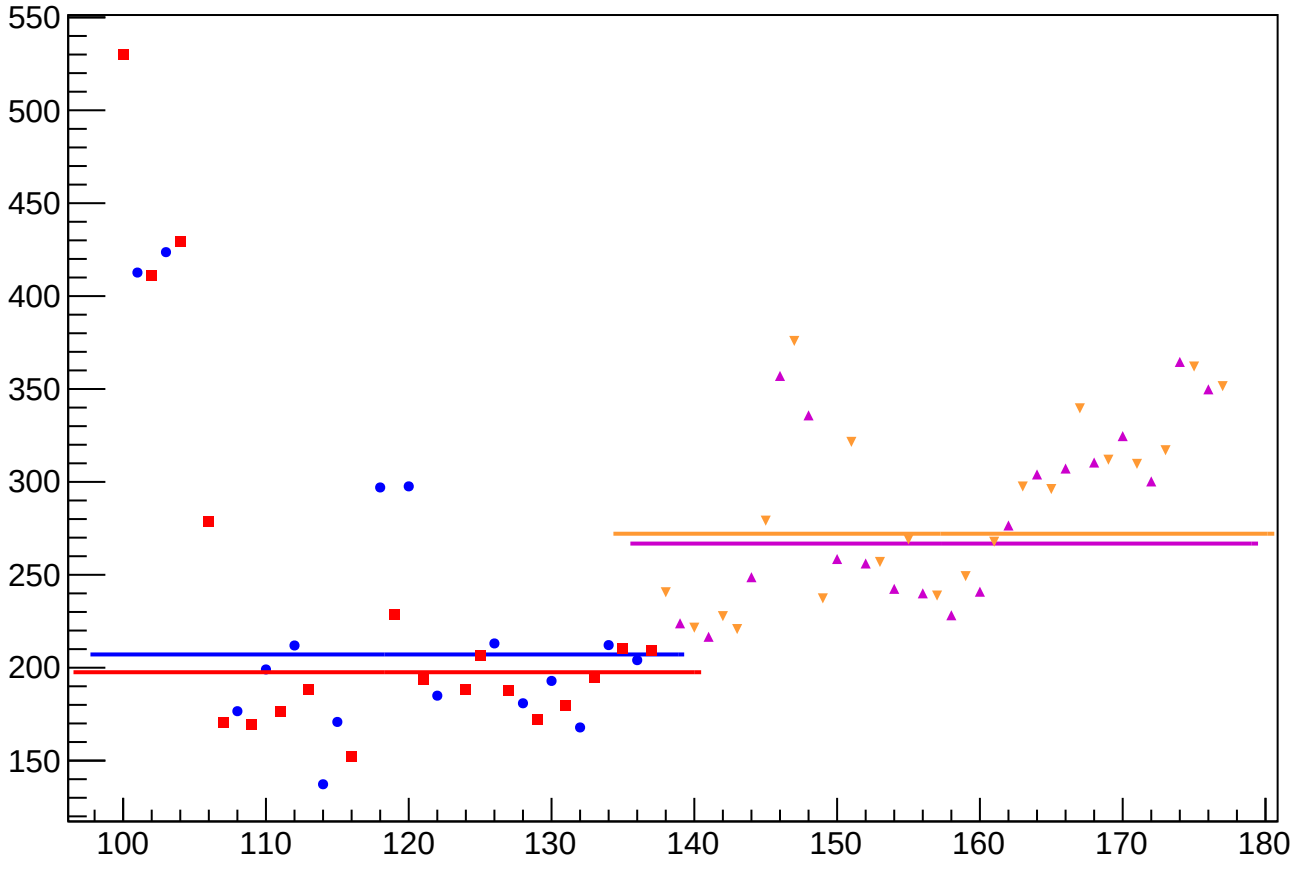
Right: 148396.583+/-0.056 χ^2/NDF: 508678498.1/3

In: 137563.969+/-0.053 χ^2/NDF:37097346712.0/3

Out: 138298.607+/-0.051 χ^2/NDF:36779658021.2/

All: 137945.000+/-0.037 χ^2/NDF: 739773515

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 272.111+/-0.048 χ^2/NDF:831349.7/20

Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 266.805+/-0.049 χ^2/NDF:795363.9/18

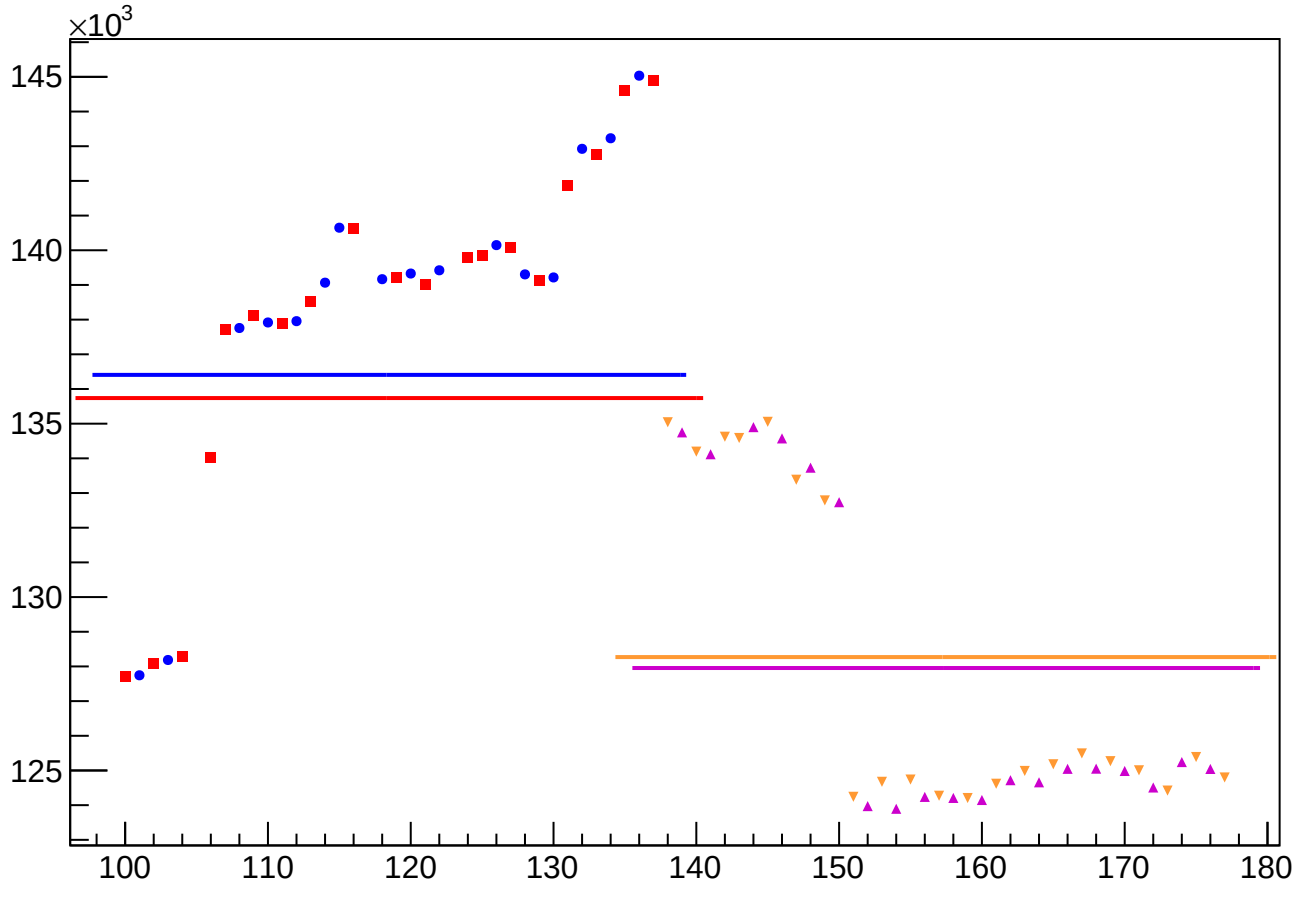
Left: 269.498+/-0.034 χ^2/NDF: 1632699.5/39

Right: 202.032+/-0.040 χ^2/NDF: 1890755.2/34

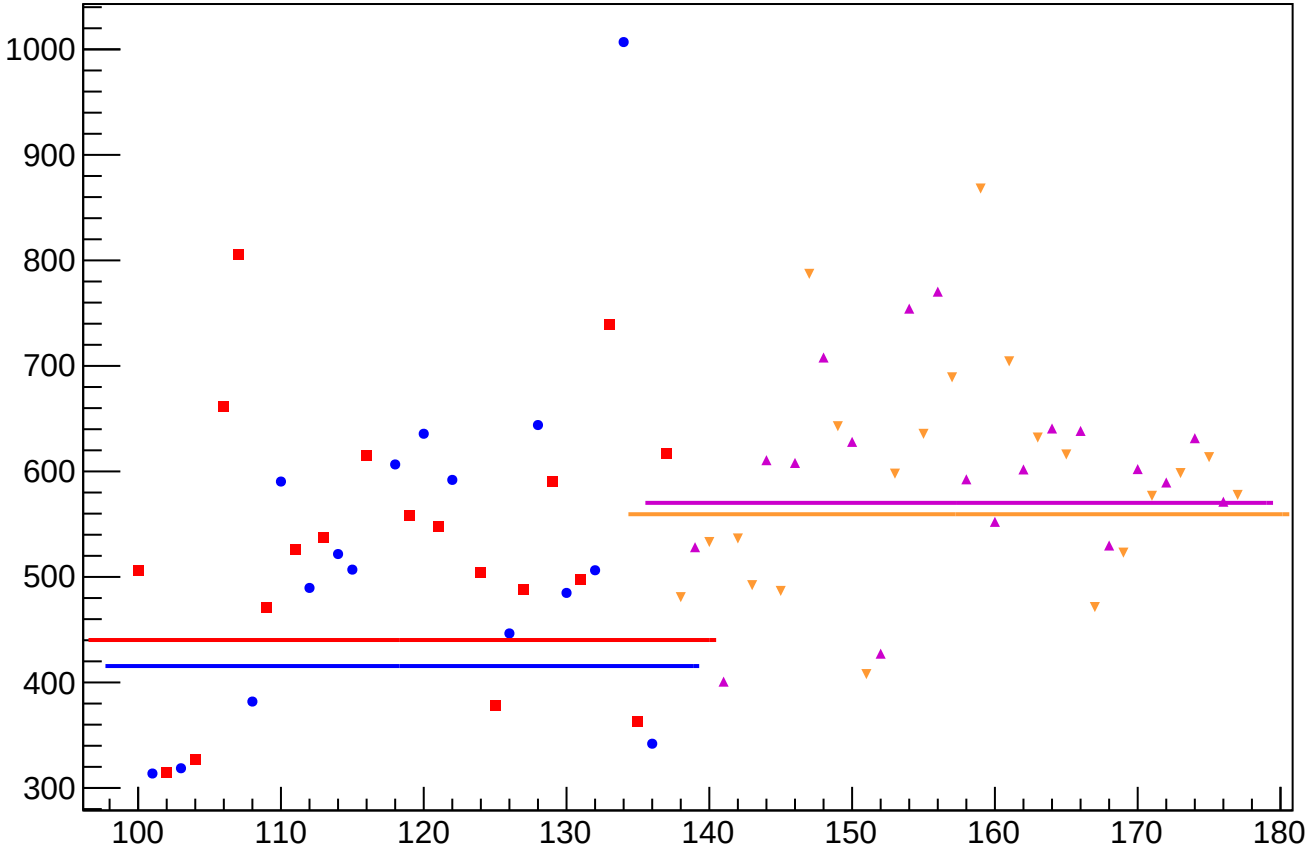
In: 242.014+/-0.037 χ^2/NDF:2387542.0/34

Out: 239.229+/-0.036 χ^2/NDF:2793616.6/39

All: 240.570+/-0.026 χ^2/NDF: 5184044.4/74


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: 128269.742+/-0.146 χ²/NDF:1000238473.3/20
Right Out: 135738.412+/-0.177 χ²/NDF: 1174123878.0/18
Left In: 127954.454+/-0.156 χ²/NDF:877314400.0/18
Left: 128122.581+/-0.107 χ²/NDF: 1879717703.3/3
Right: 136088.335+/-0.122 χ²/NDF: 2758689484.9/
In: 131866.607+/-0.115 χ²/NDF:3804835370.3/34
Out: 131310.338+/-0.113 χ²/NDF:3233918923.3/3
All: 131583.678+/-0.080 χ²/NDF: 705072003

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 559.434+/-0.104 χ^2/NDF:879065.4/20

Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 570.208+/-0.111 χ^2/NDF:744739.9/18

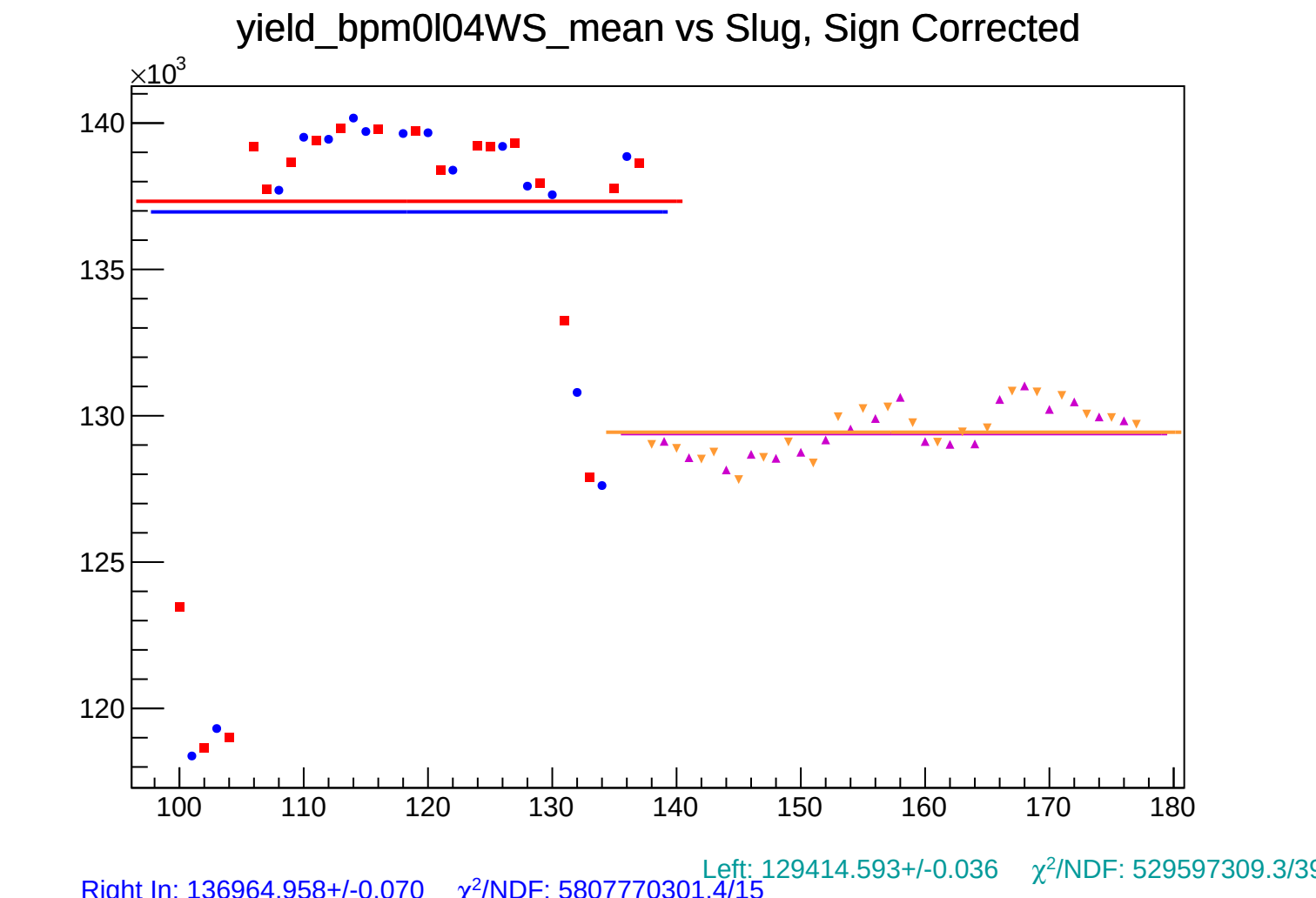
Left: 564.463+/-0.076 χ^2/NDF: 1628861.6/39

Right: 427.304+/-0.086 χ^2/NDF: 1962803.8/34

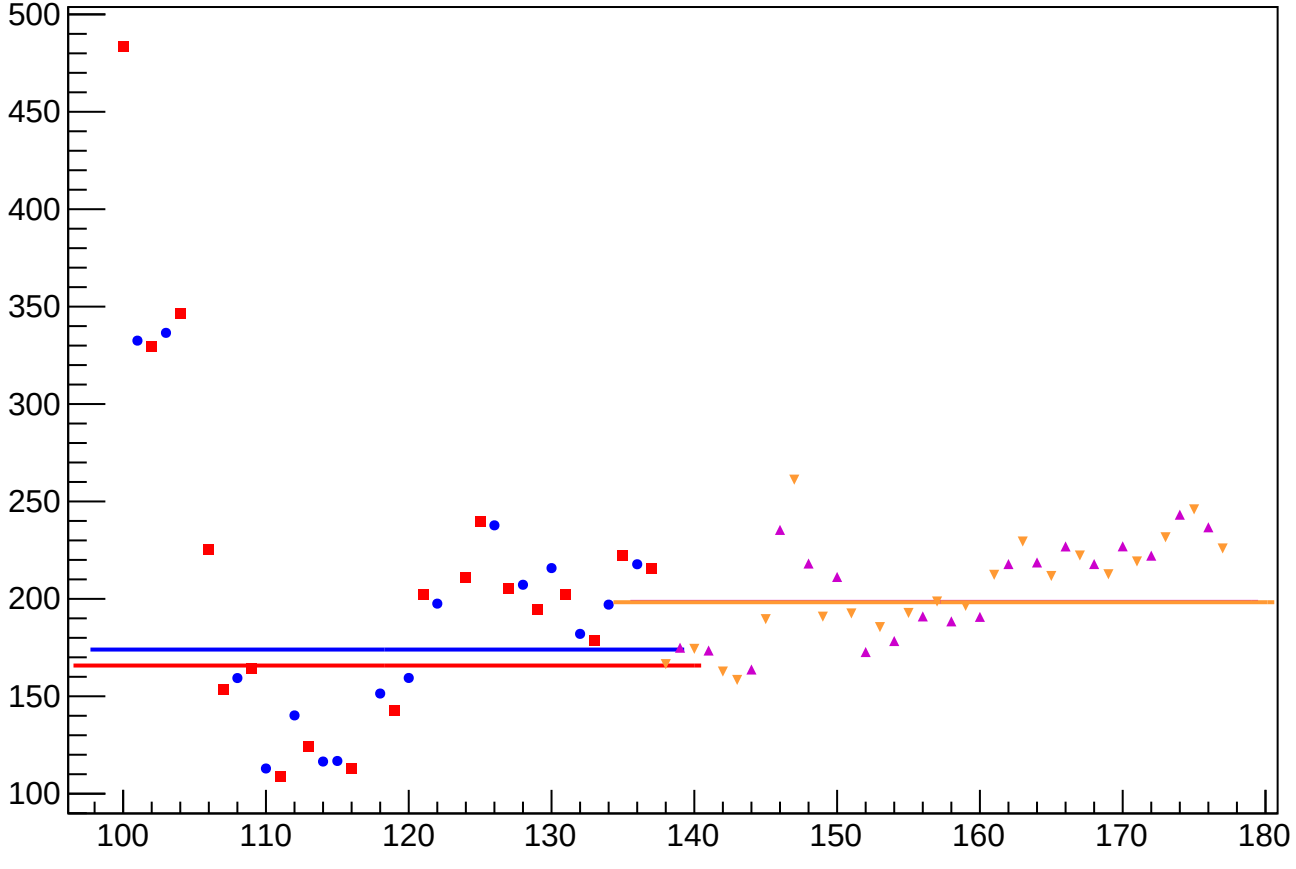
In: 498.625+/-0.081 χ^2/NDF:2680617.9/34

Out: 510.899+/-0.080 χ^2/NDF:2329785.6/39

All: 504.868+/-0.057 χ^2/NDF: 5022055.7/74


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: 129437.916+/-0.049 χ²/NDF:277914570.9/20
Right Out: 137327.469+/-0.066 χ²/NDF: 5737745895.7/18
Left In: 129389.576+/-0.051 χ²/NDF:251221059.8/18
Left: 129414.593+/-0.036 χ²/NDF: 529597309.3/39
Right: 137157.181+/-0.048 χ²/NDF: 11559848727.
In: 132041.905+/-0.041 χ²/NDF:13729654952.0/3
Out: 132292.576+/-0.039 χ²/NDF:15238403999.9
All: 132172.770+/-0.029 χ²/NDF: 28987329

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 198.280+/-0.035 χ^2/NDF:540295.4/20

Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 198.451+/-0.036 χ^2/NDF:467154.1/18

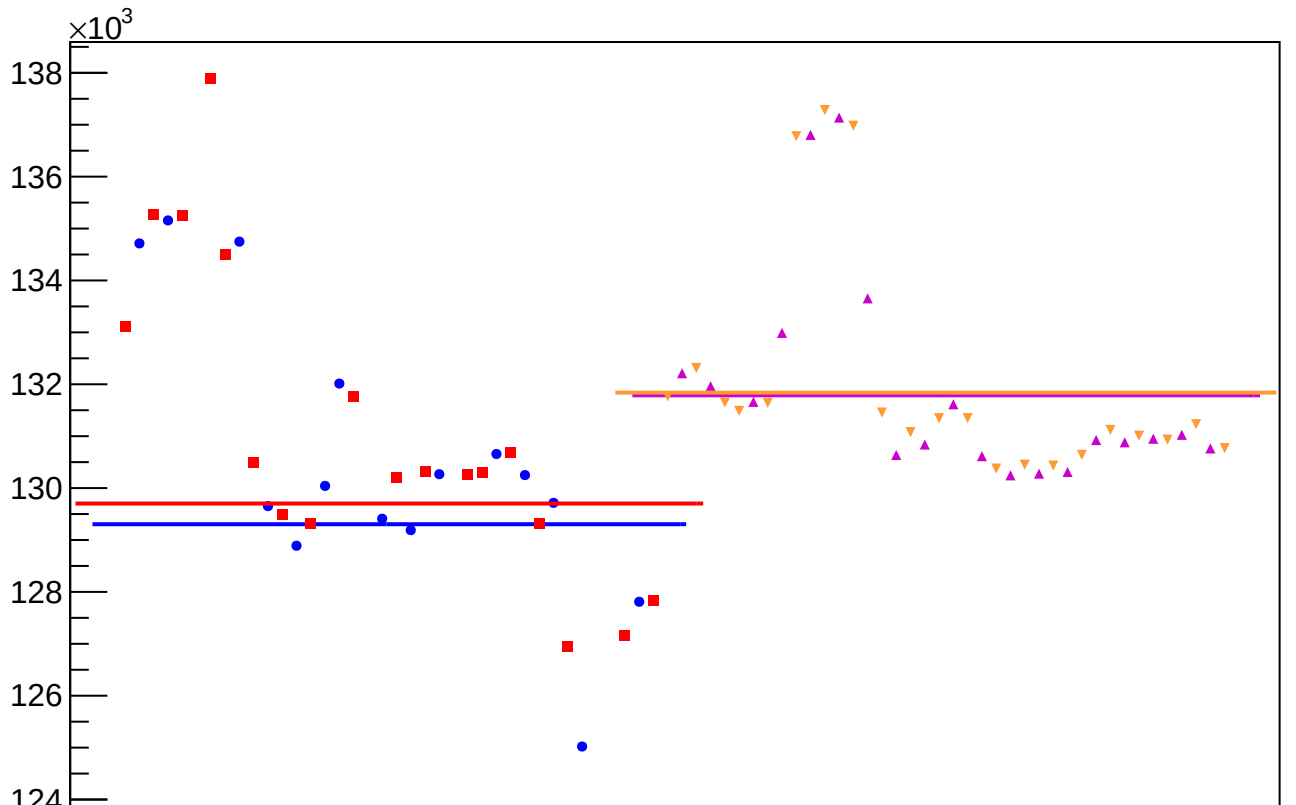
Left: 198.363+/-0.025 χ^2/NDF: 1007461.1/39

Right: 169.633+/-0.034 χ^2/NDF: 2636327.1/34

In: 189.884+/-0.029 χ^2/NDF:1815715.1/34

Out: 186.521+/-0.028 χ^2/NDF:2286465.2/39

All: 188.128+/-0.020 χ^2/NDF: 4109116.6/74



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 131839.873+/-0.049 χ^2/NDF:1369551888.9/20

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

Left In: 131787.528+/-0.051 χ^2/NDF:1104003703.8/18

Left: 131814.578+/-0.035 χ^2/NDF: 2474099724.7/3

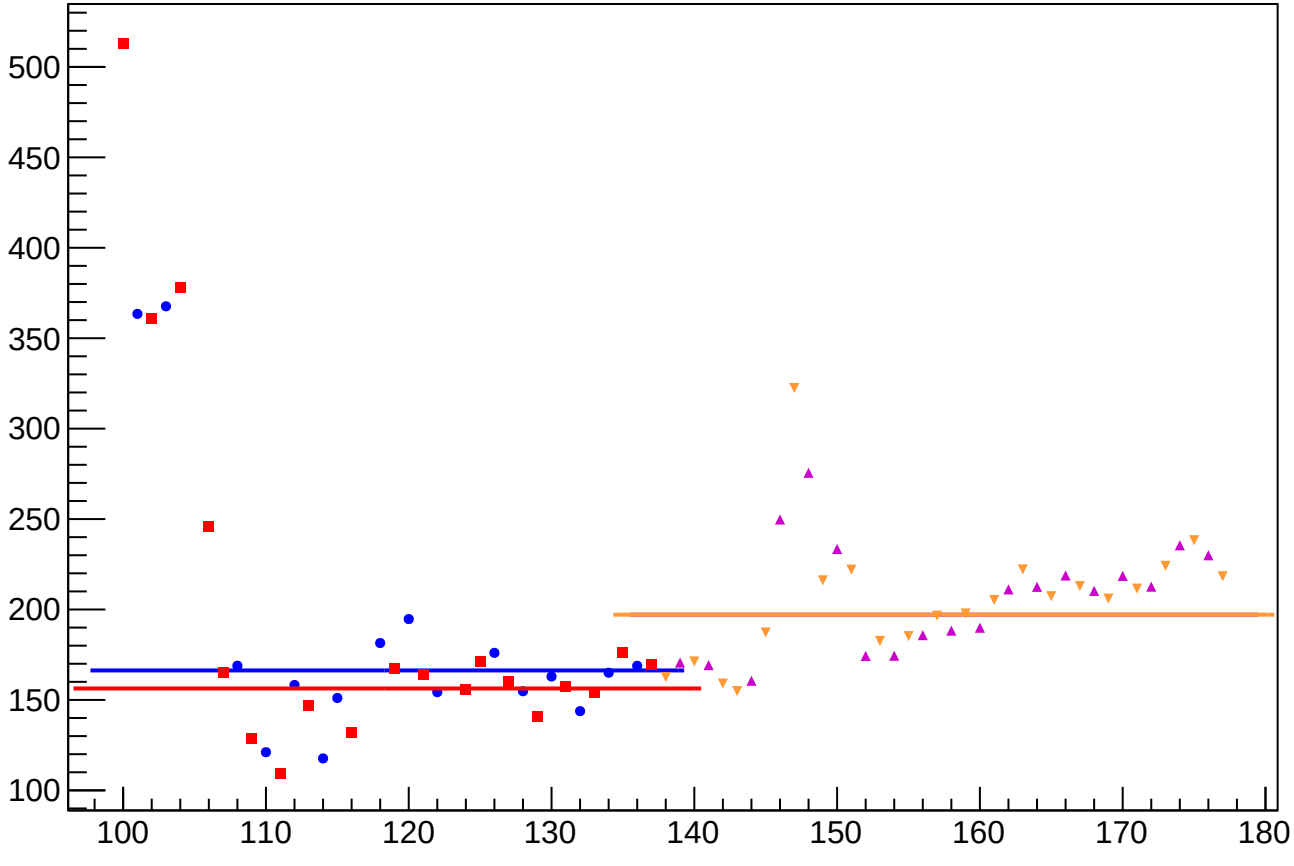
Right: 129517.750+/-0.045 χ^2/NDF: 3447412906.7/

In: 130862.244+/-0.040 χ^2/NDF:3637366644.4/34

Out: 131003.826+/-0.038 χ^2/NDF:3881583847.4/3

All: 130936.472+/-0.028 χ^2/NDF: 75253871

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 197.138+/-0.035 χ^2/NDF:703949.1/20

Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 197.145+/-0.036 χ^2/NDF:625937.3/18

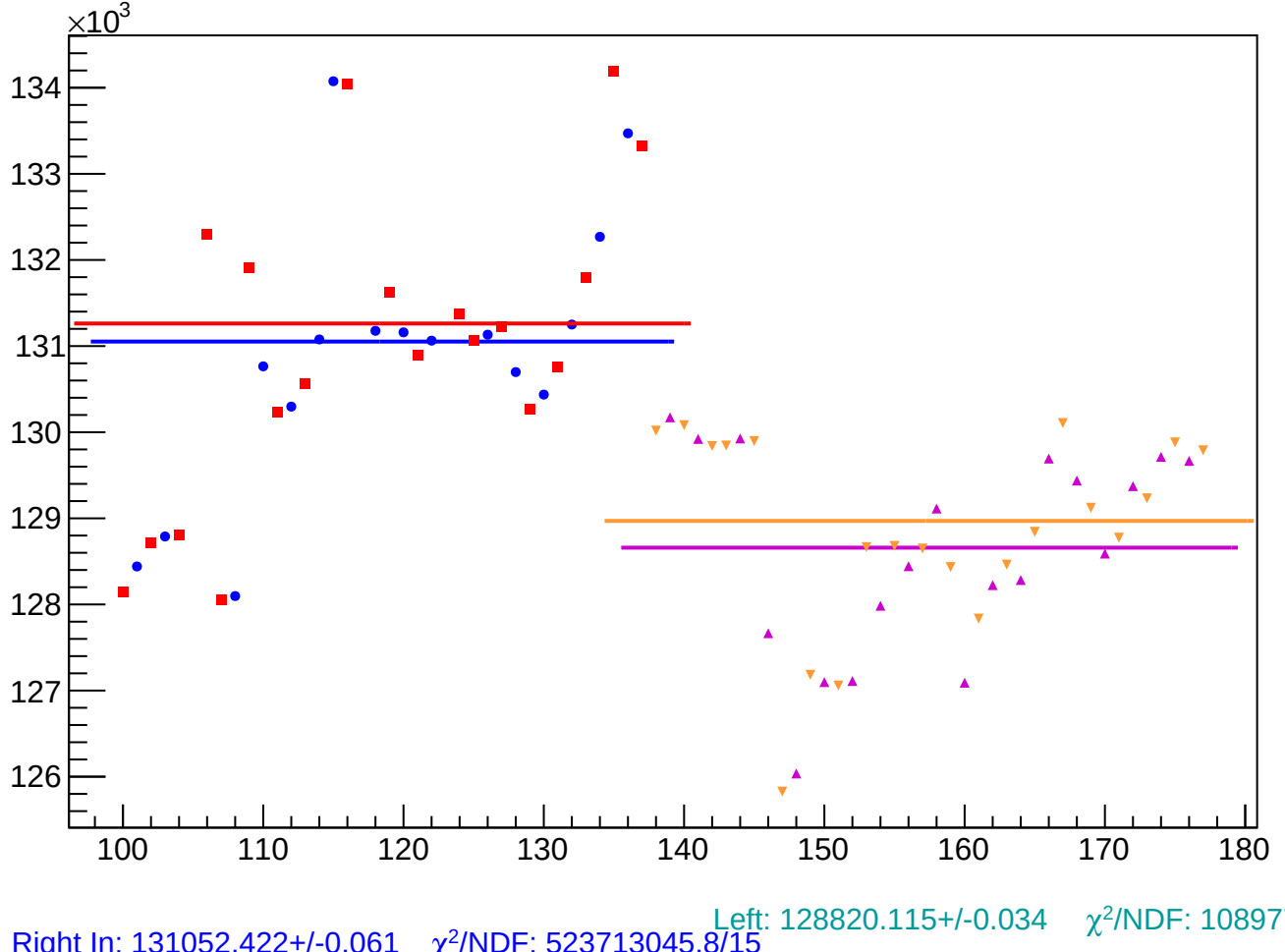
Left: 197.141+/-0.025 χ^2/NDF: 1329886.4/39

Right: 160.955+/-0.032 χ^2/NDF: 2135107.2/34

In: 185.654+/-0.029 χ^2/NDF:1836259.9/34

Out: 181.177+/-0.027 χ^2/NDF:2412050.7/39

All: 183.307+/-0.020 χ^2/NDF: 4261186.4/74



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 128969.843+/-0.048 χ^2/NDF:490247399.2/20

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

Left In: 128659.303+/-0.049 χ^2/NDF:579124501.4/18

Left: 128820.115+/-0.034 χ^2/NDF: 1089770743.5/3

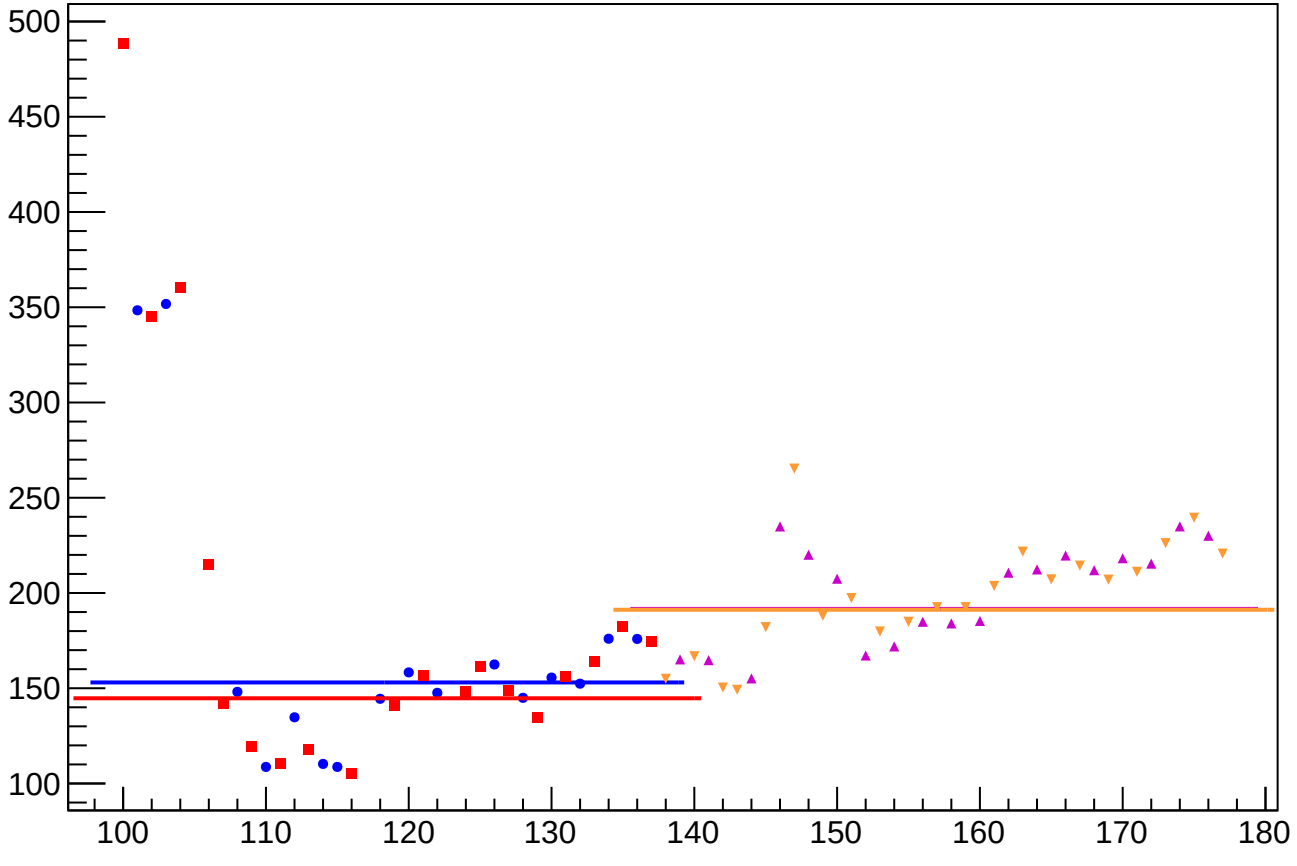
Right: 131164.431+/-0.041 χ^2/NDF: 1134382049.3/

In: 129615.753+/-0.038 χ^2/NDF:2037806816.7/34

Out: 129921.578+/-0.037 χ^2/NDF:2051693553.4/3

All: 129776.120+/-0.026 χ^2/NDF: 41228712

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 191.199+/-0.034 χ^2/NDF:669326.0/20

Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 191.647+/-0.035 χ^2/NDF:545848.7/18

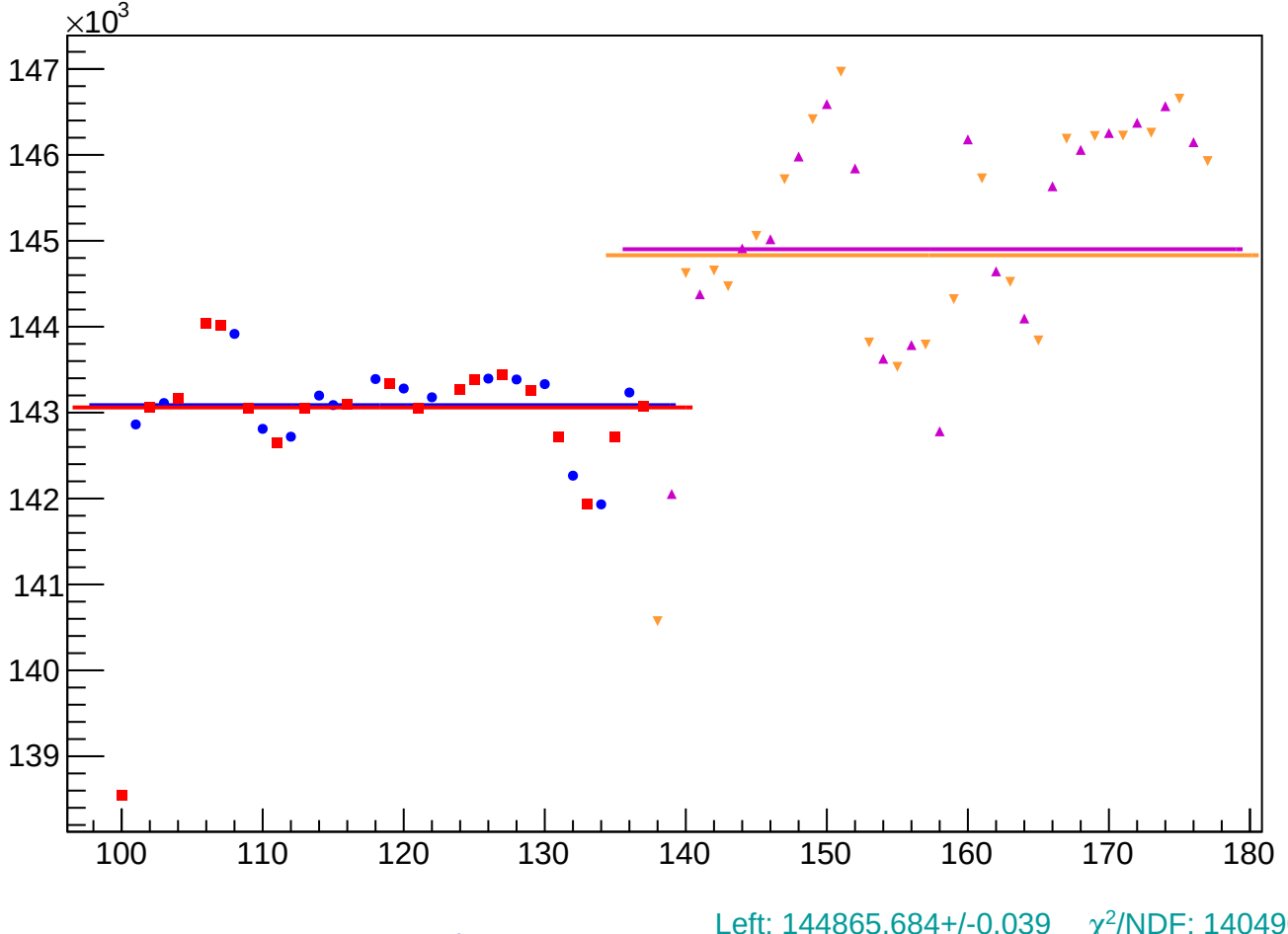
Left: 191.415+/-0.024 χ^2/NDF: 1215259.5/39

Right: 148.605+/-0.029 χ^2/NDF: 2342954.4/34

In: 176.218+/-0.027 χ^2/NDF:2091916.9/34

Out: 171.907+/-0.026 χ^2/NDF:2719364.5/39

All: 173.957+/-0.019 χ^2/NDF: 4824544.6/74



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 144831.631+/-0.055 χ^2/NDF:808437998.8/20

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

Left In: 144901.783+/-0.057 χ^2/NDF:595671203.8/18

Left: 144865.684+/-0.039 χ^2/NDF: 1404901460.6/3

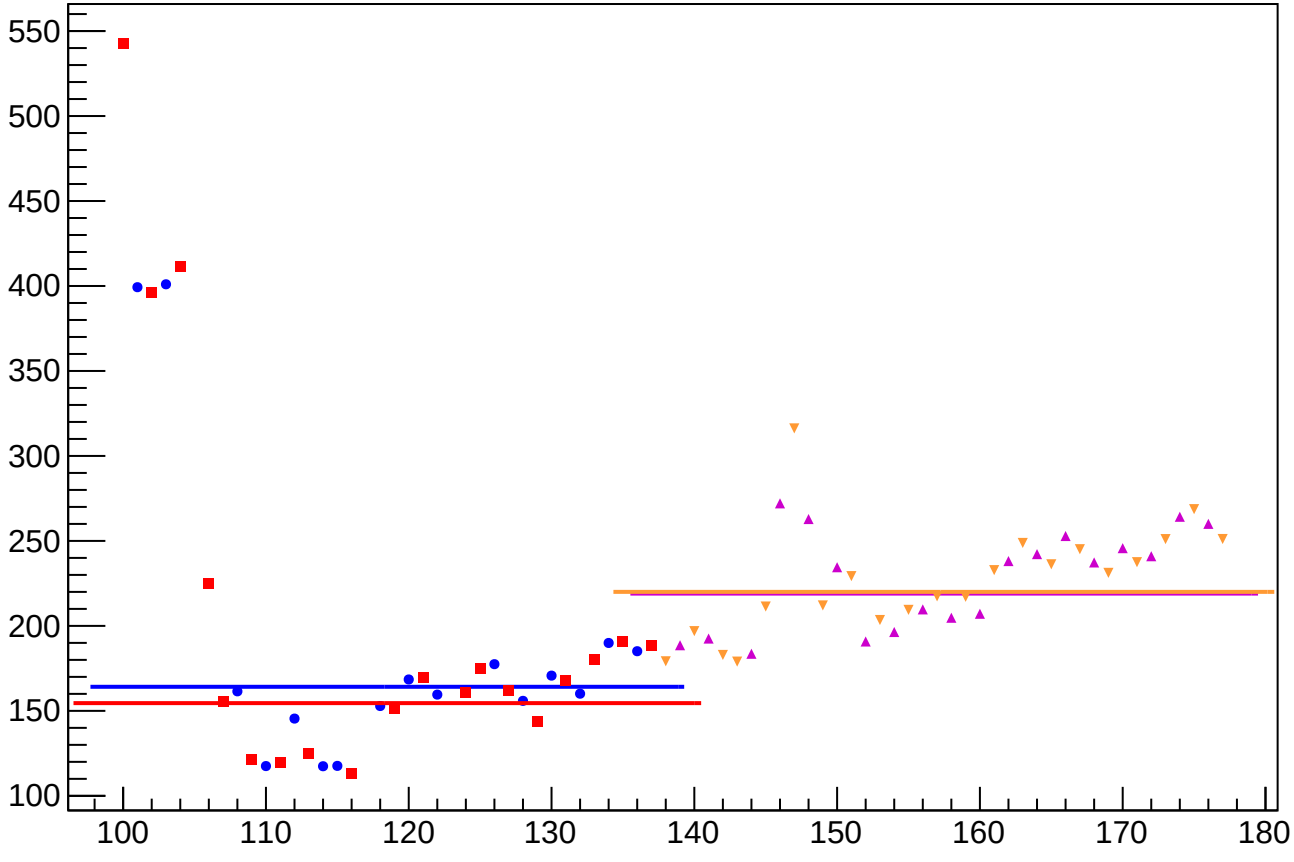
Right: 143072.451+/-0.044 χ^2/NDF: 98528807.3/34

In: 144121.055+/-0.043 χ^2/NDF:1085775370.0/34

Out: 144033.778+/-0.041 χ^2/NDF:1328869075.6/3

All: 144075.351+/-0.029 χ^2/NDF: 24168340

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 220.021+/-0.039 χ^2/NDF:556540.3/20

Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 218.999+/-0.040 χ^2/NDF:502853.2/18

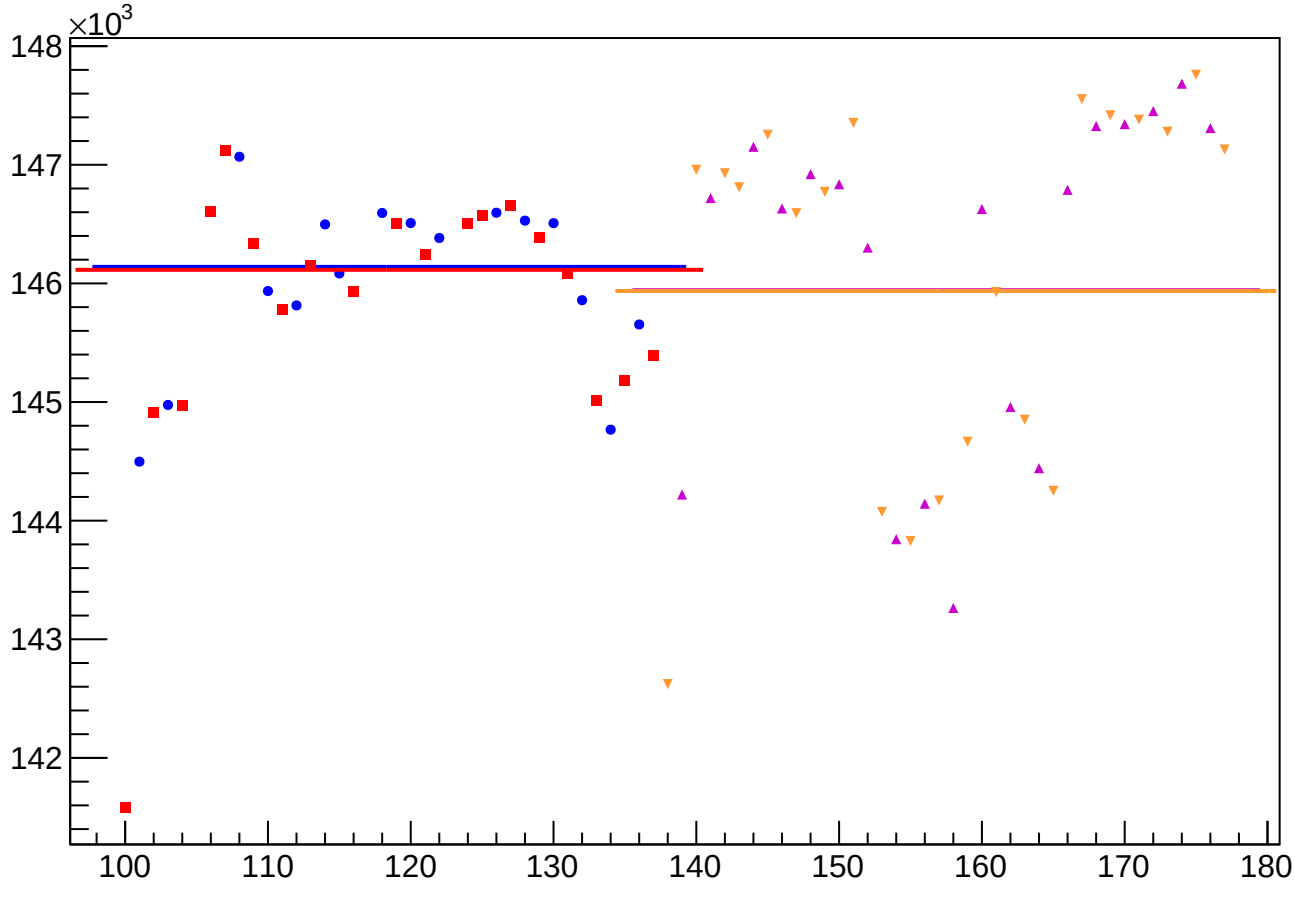
Left: 219.525+/-0.028 χ^2/NDF: 1059729.5/39

Right: 159.024+/-0.031 χ^2/NDF: 2519924.8/34

In: 195.417+/-0.030 χ^2/NDF:2441681.0/34

Out: 190.535+/-0.029 χ^2/NDF:3203677.8/39

All: 192.860+/-0.021 χ^2/NDF: 5659059.2/74



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 145936.089+/-0.055 χ^2/NDF:841937569.2/20

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

Left In: 145942.483+/-0.057 χ^2/NDF:656085020.5/18

Left: 145939.177+/-0.039 χ^2/NDF: 1498029205.2/3

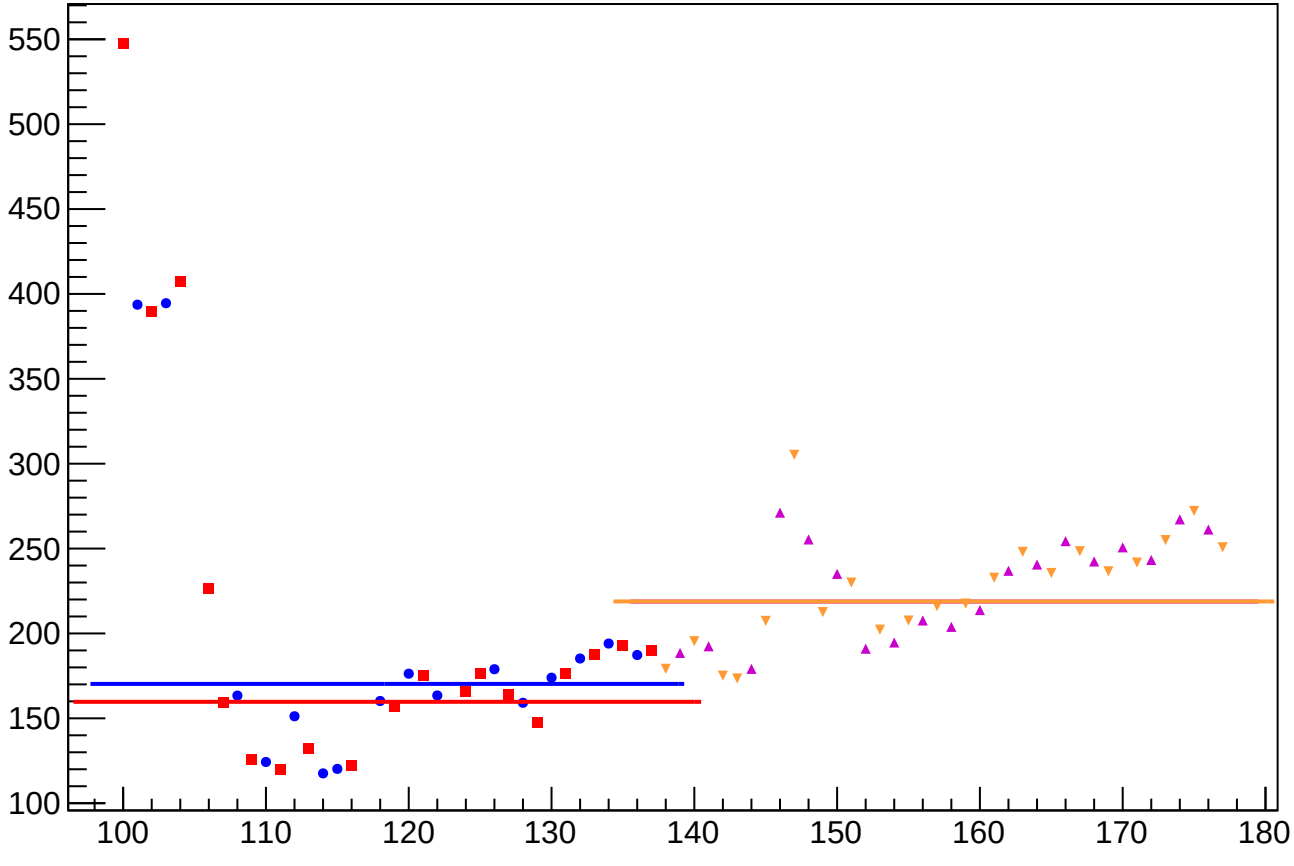
Right: 146125.912+/-0.046 χ^2/NDF: 144896615.7/3

In: 146023.741+/-0.043 χ^2/NDF:732810435.3/34

Out: 146013.386+/-0.041 χ^2/NDF:919657840.1/39

All: 146018.297+/-0.030 χ^2/NDF: 16524983

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 218.847+/-0.039 χ^2/NDF:616774.5/20

Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 218.785+/-0.040 χ^2/NDF:534589.8/18

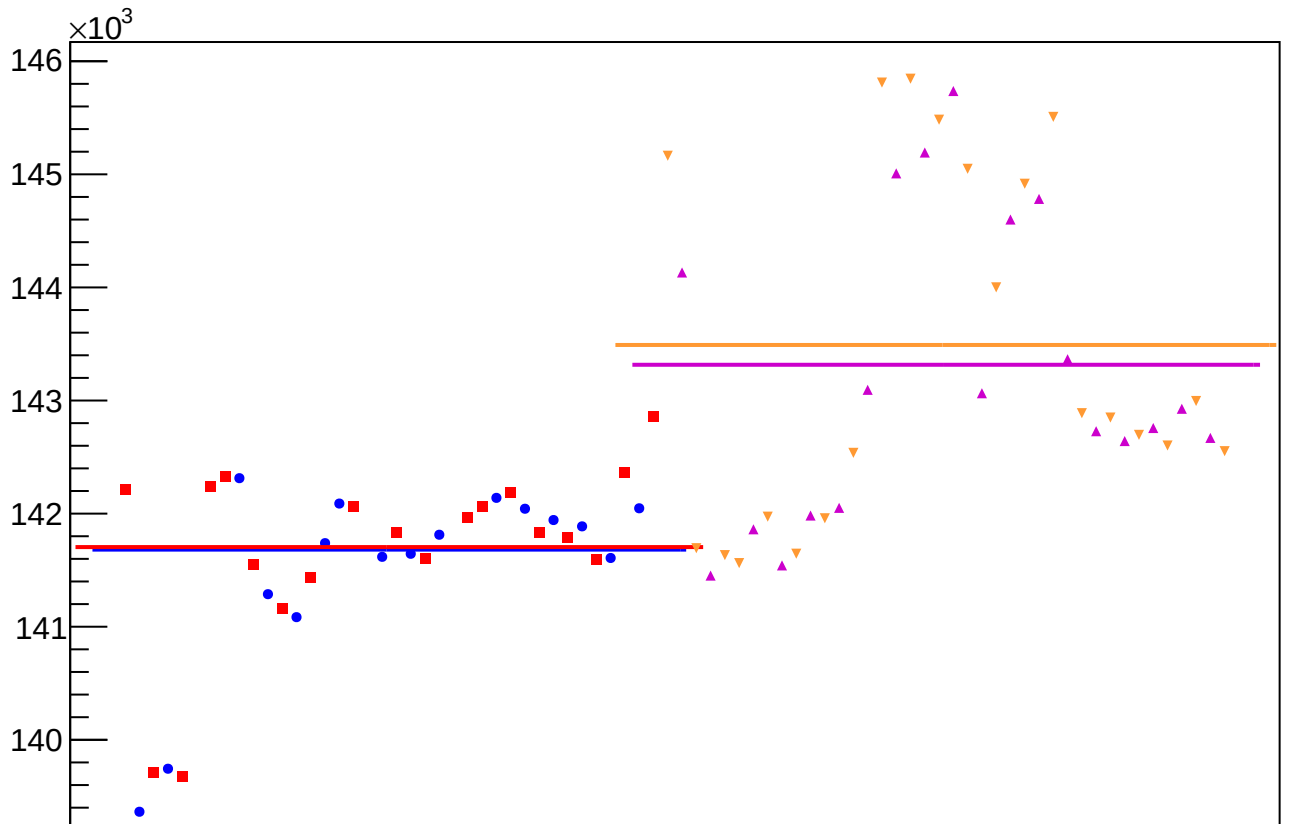
Left: 218.817+/-0.028 χ^2/NDF: 1151365.5/39

Right: 164.603+/-0.032 χ^2/NDF: 2375303.6/34

In: 198.752+/-0.031 χ^2/NDF:2200434.0/34

Out: 193.226+/-0.029 χ^2/NDF:2922856.4/39

All: 195.847+/-0.021 χ^2/NDF: 5140413.8/74



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 143491.279+/-0.057 χ^2/NDF:751084433.8/20

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

Left In: 143316.112+/-0.058 χ^2/NDF:514230288.7/18

Left: 143405.943+/-0.041 χ^2/NDF: 1269963846.4/3

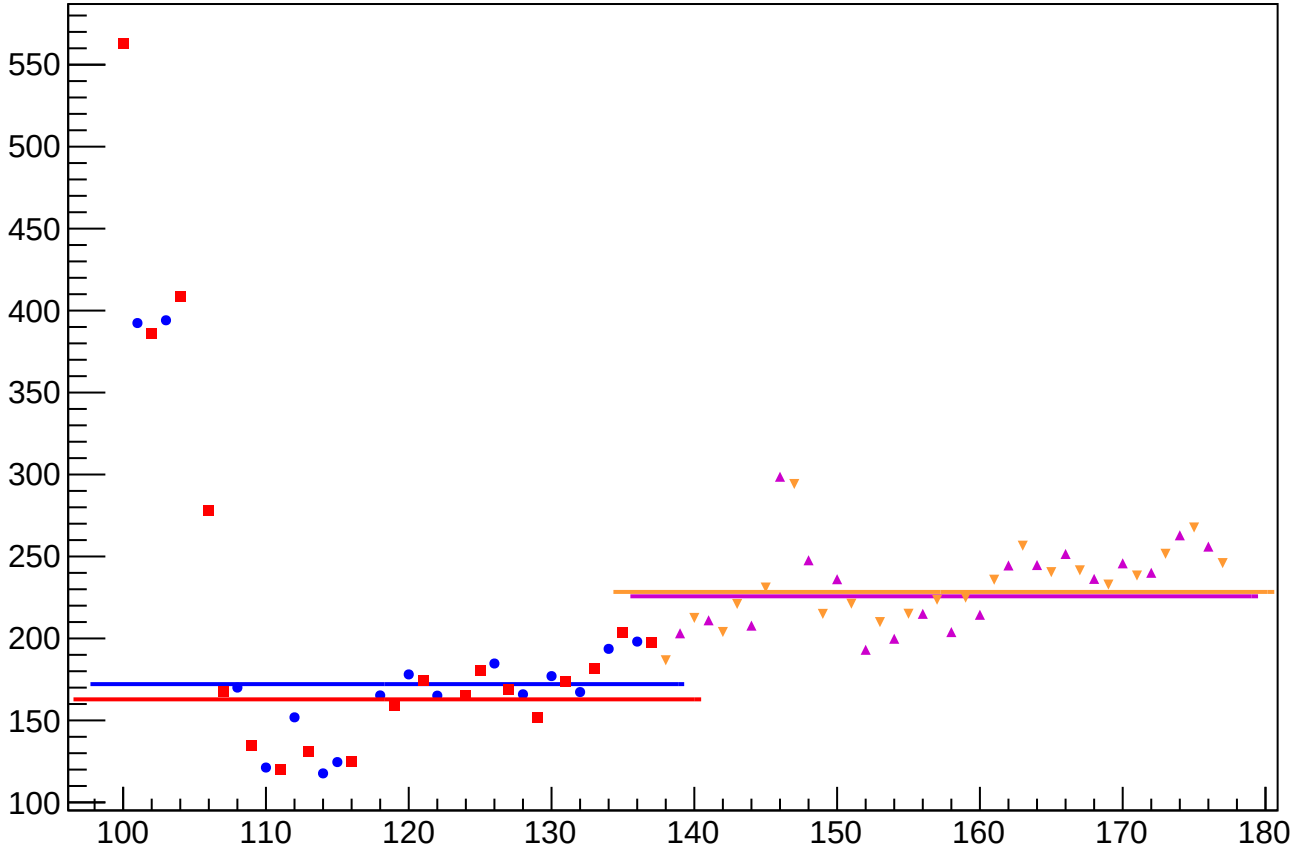
Right: 141693.772+/-0.047 χ^2/NDF: 129876966.3/3

In: 142628.599+/-0.044 χ^2/NDF:910495374.2/34

Out: 142702.530+/-0.042 χ^2/NDF:1255014488.0/3

All: 142667.183+/-0.031 χ^2/NDF: 21669647

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 228.381+/-0.040 χ^2/NDF:299805.1/20

Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 225.707+/-0.041 χ^2/NDF:367276.0/18

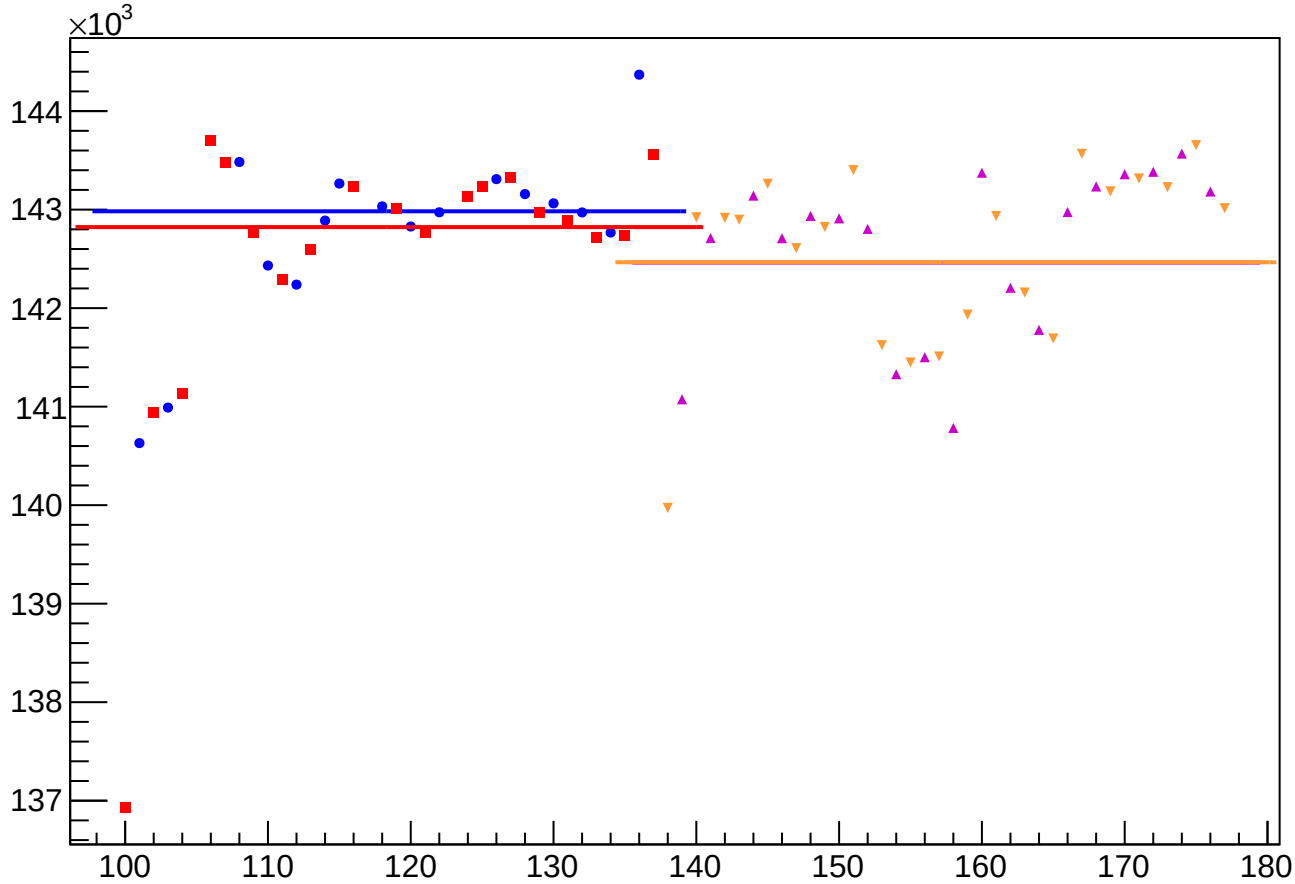
Left: 227.078+/-0.029 χ^2/NDF: 669247.5/39

Right: 167.177+/-0.033 χ^2/NDF: 2394232.5/34

In: 203.172+/-0.031 χ^2/NDF:2149205.3/34

Out: 199.456+/-0.030 χ^2/NDF:2784811.3/39

All: 201.232+/-0.022 χ^2/NDF: 4941366.8/74



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142465.759+/-0.054 χ^2/NDF:330133168.5/20

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

Left In: 142462.131+/-0.055 χ^2/NDF:259658442.0/18

Left: 142464.006+/-0.038 χ^2/NDF: 589793831.7/39

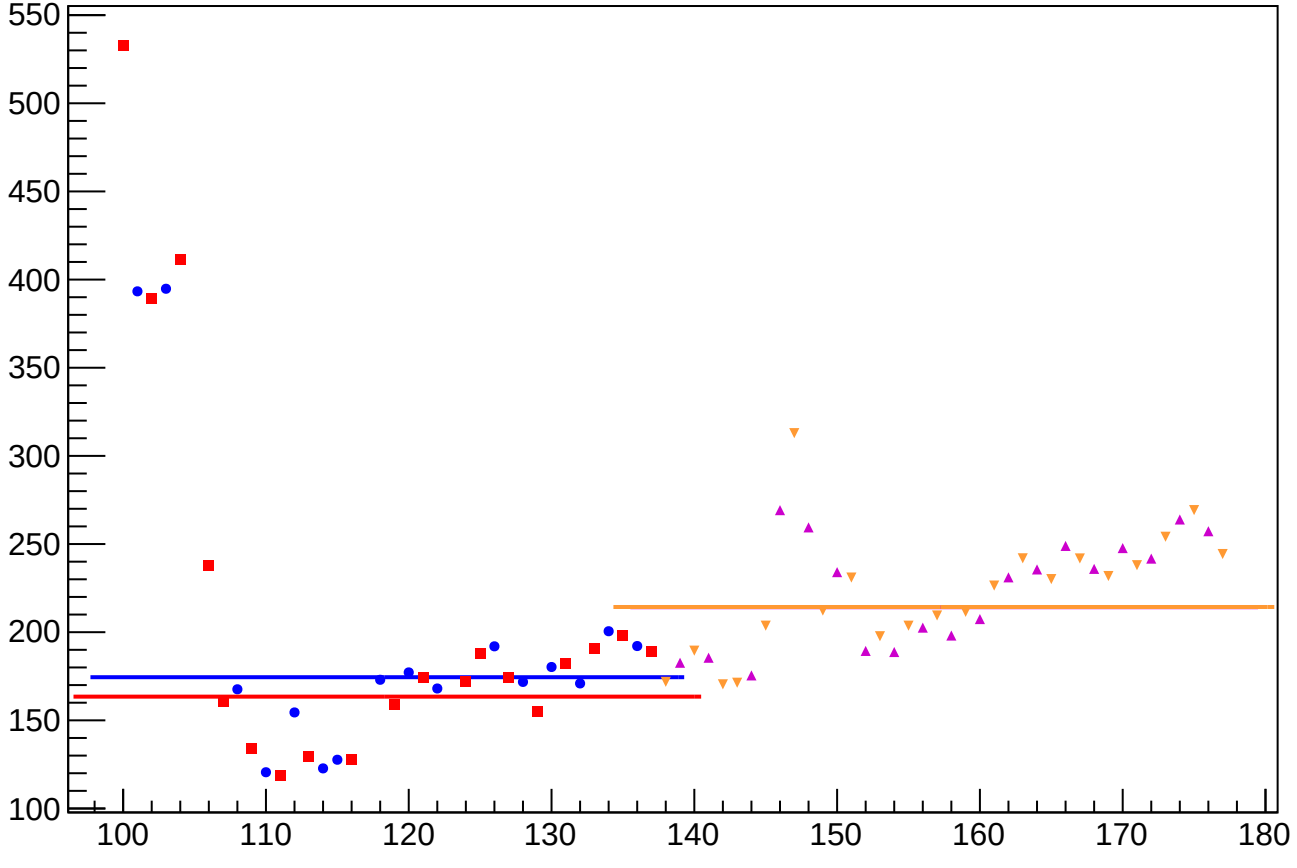
Right: 142896.762+/-0.047 χ^2/NDF: 174171580.7/3

In: 142665.636+/-0.043 χ^2/NDF:401965459.4/34

Out: 142612.543+/-0.041 χ^2/NDF:412013593.2/39

All: 142637.743+/-0.030 χ^2/NDF: 81477263

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 214.290+/-0.038 χ^2/NDF:678089.5/20

Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 214.167+/-0.039 χ^2/NDF:592481.2/18

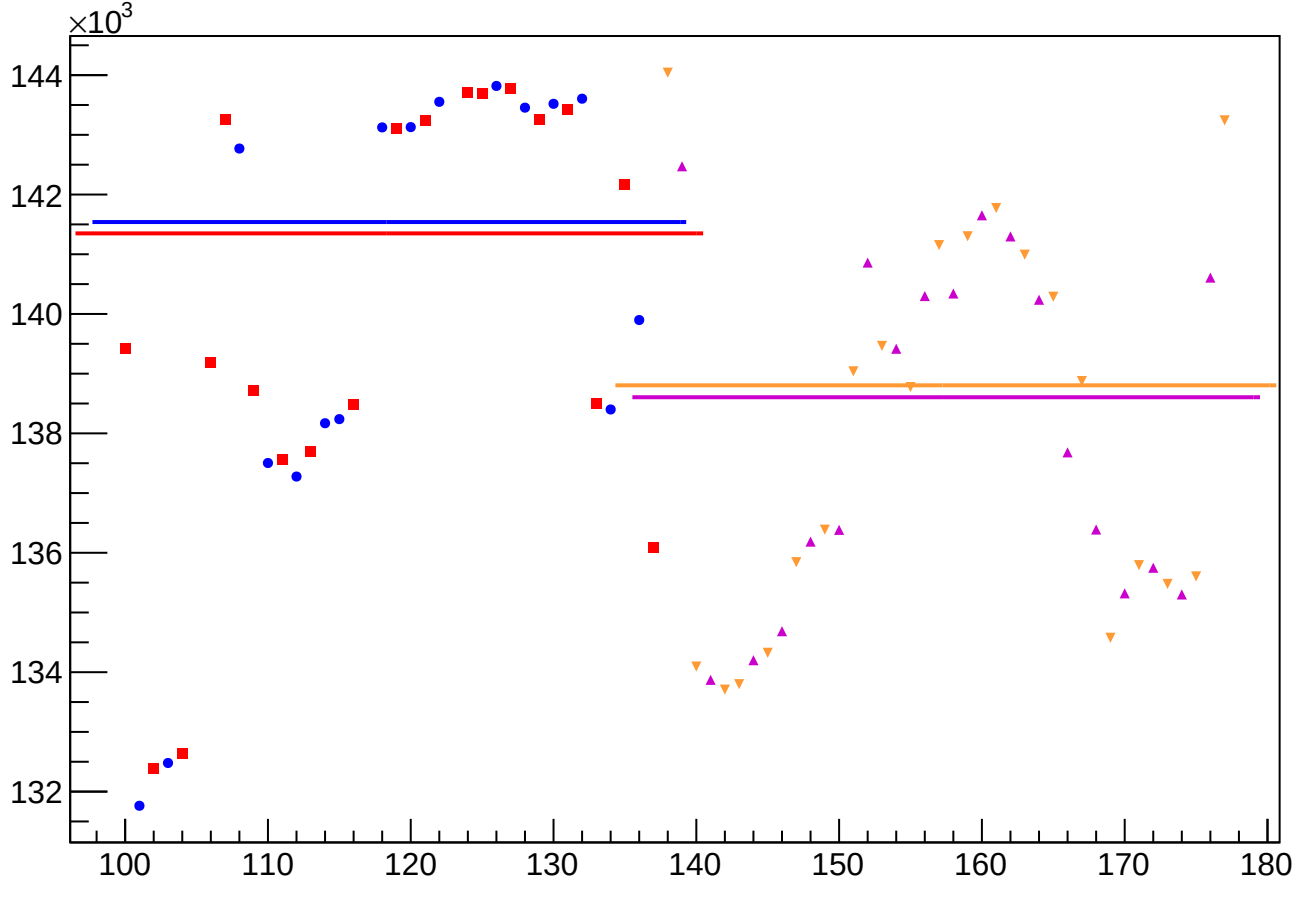
Left: 214.231+/-0.027 χ^2/NDF: 1270575.9/39

Right: 168.538+/-0.033 χ^2/NDF: 2358977.1/34

In: 198.656+/-0.031 χ^2/NDF:2043732.1/34

Out: 193.384+/-0.029 χ^2/NDF:2703003.6/39

All: 195.887+/-0.021 χ^2/NDF: 4762386.5/74



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 138804.667+/-0.077 χ^2/NDF:1998862591.3/20

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

Left In: 138605.189+/-0.080 χ^2/NDF:1365558584.8/18

Left: 138708.989+/-0.055 χ^2/NDF: 3367657656.2/3

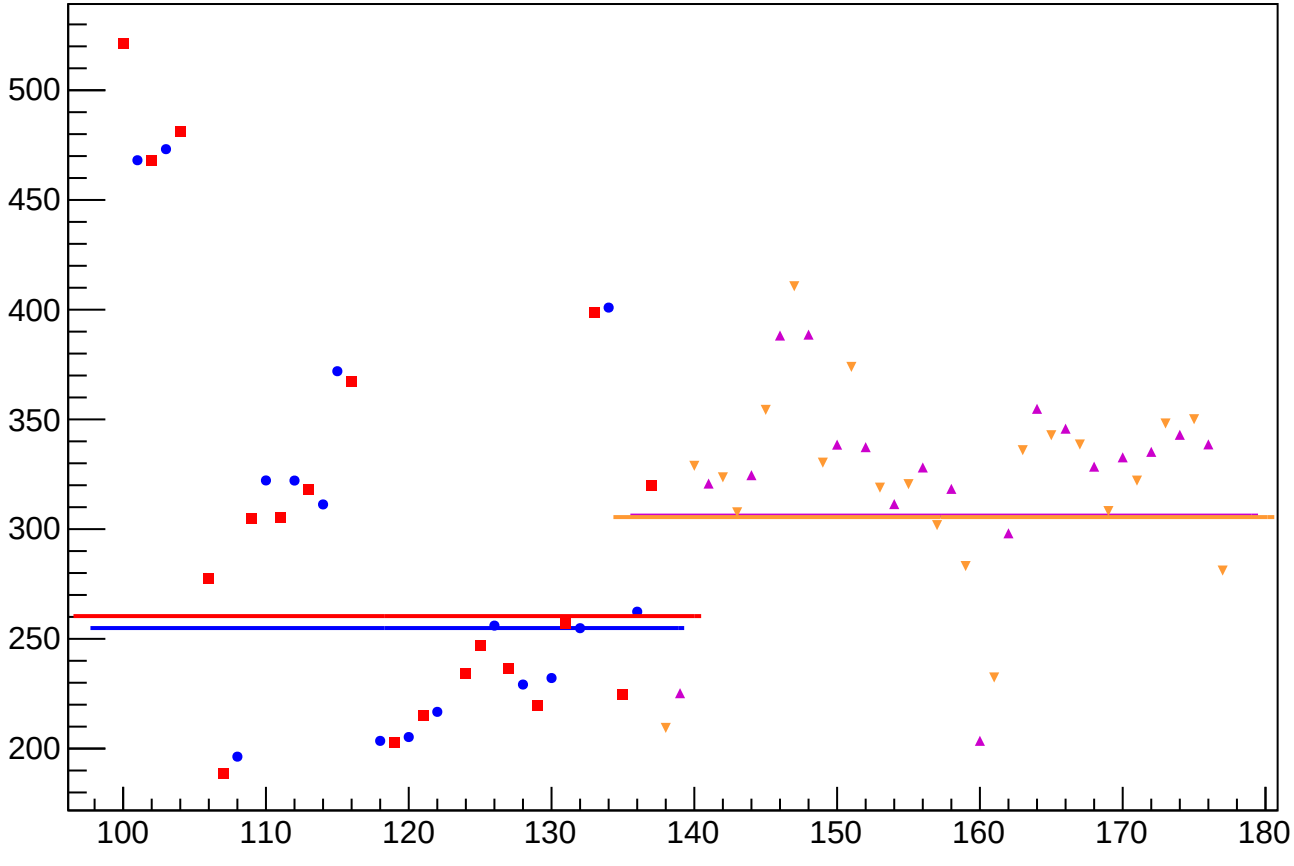
Right: 141444.713+/-0.071 χ^2/NDF: 1876176691.0/

In: 139738.768+/-0.063 χ^2/NDF:2833214580.8/34

Out: 139736.250+/-0.061 χ^2/NDF:3327543295.5/3

All: 139737.478+/-0.044 χ^2/NDF: 61607587

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 305.484+/-0.054 χ^2/NDF:815040.6/20

Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 306.167+/-0.057 χ^2/NDF:922032.9/18

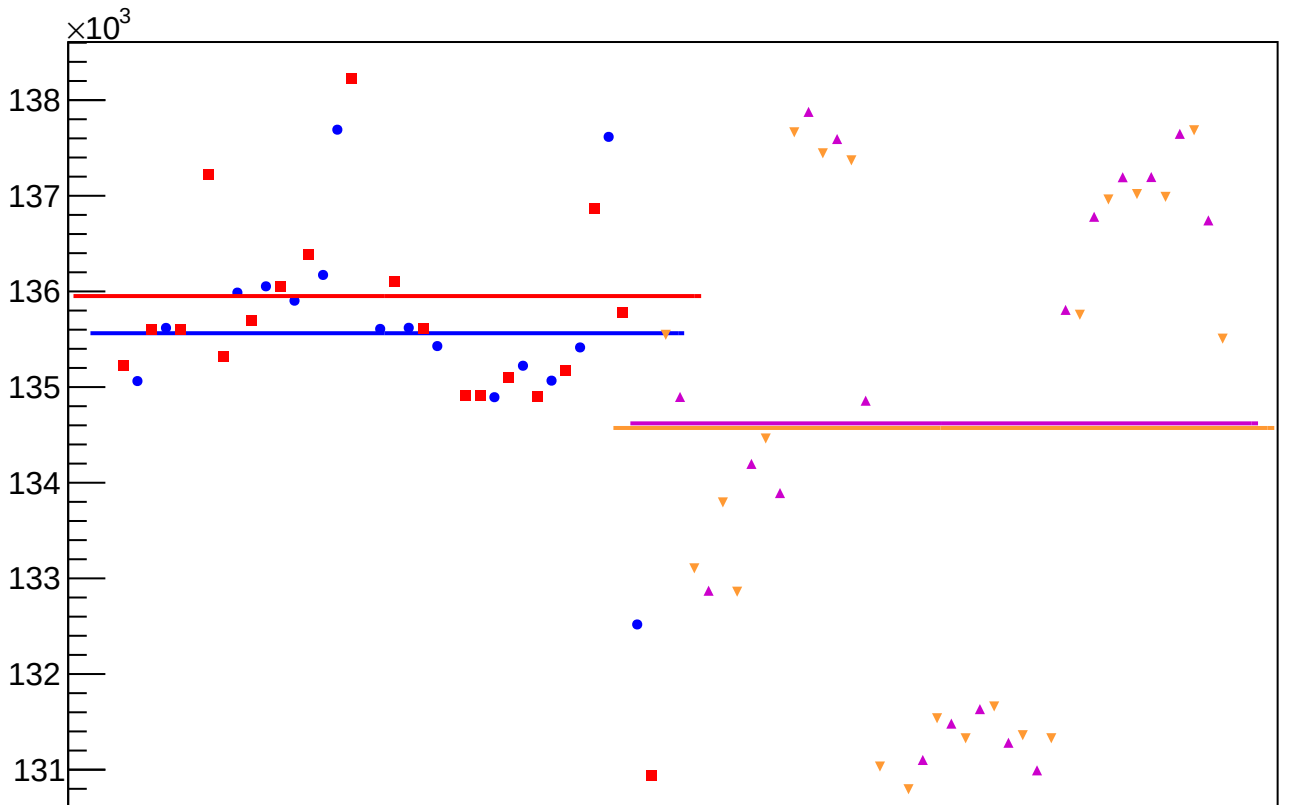
Left: 305.812+/-0.039 χ^2/NDF: 1737149.4/39

Right: 257.637+/-0.050 χ^2/NDF: 1946167.7/34

In: 286.369+/-0.044 χ^2/NDF:2189168.9/34

Out: 288.969+/-0.043 χ^2/NDF:2061042.7/39

All: 287.701+/-0.031 χ^2/NDF: 4251975.3/74



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 134572.446+/-0.066 χ^2/NDF:1193080040.0/20

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

Left In: 134620.661+/-0.070 χ^2/NDF:1085301696.3/18

Left: 134595.296+/-0.048 χ^2/NDF: 2278632403.4/3

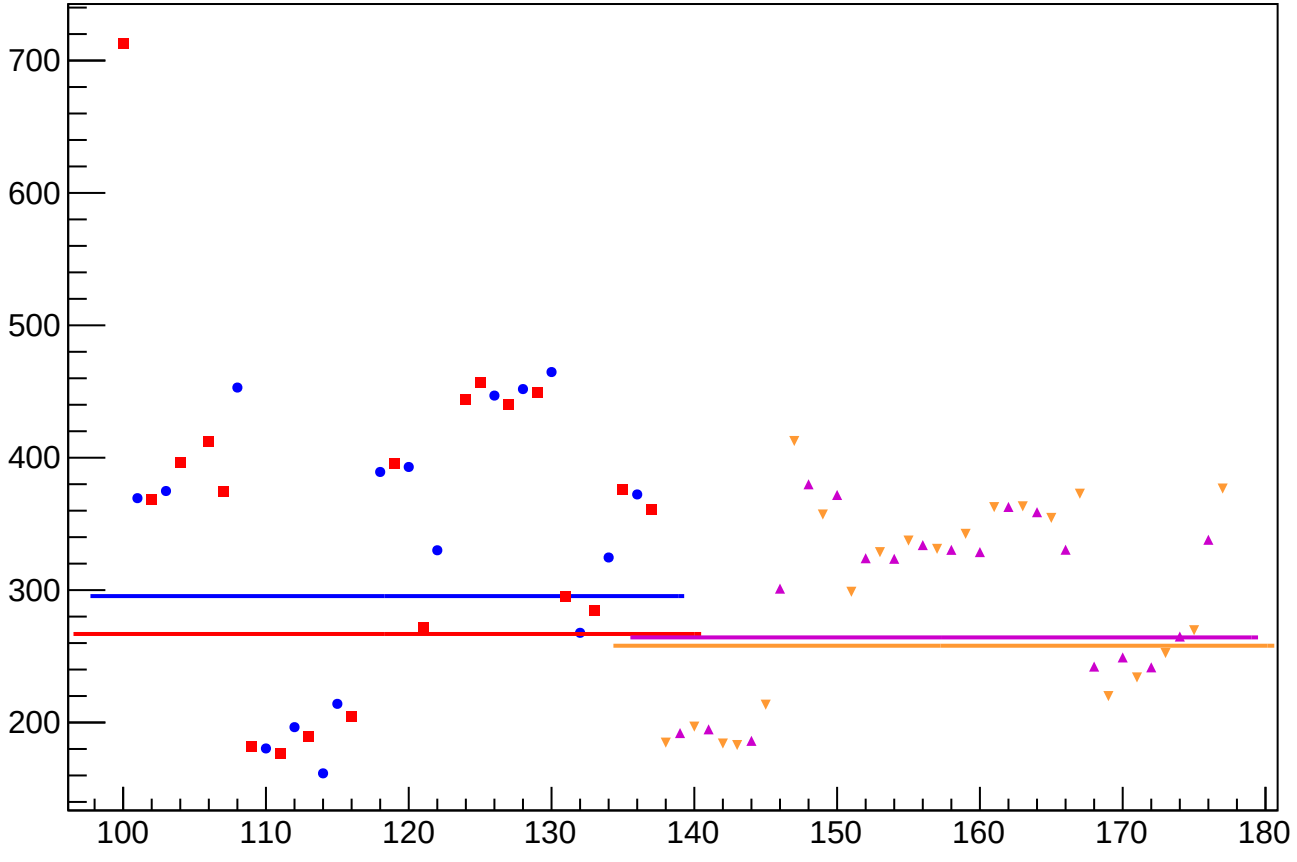
Right: 135777.958+/-0.079 χ^2/NDF: 191705440.0/3

In: 134864.109+/-0.060 χ^2/NDF:1226494892.2/34

Out: 134958.352+/-0.056 χ^2/NDF:1405738875.8/3

All: 134914.379+/-0.041 χ^2/NDF: 26335430

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 257.989+/-0.047 χ^2/NDF:2332143.3/20

Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 264.275+/-0.049 χ^2/NDF:1746294.8/18

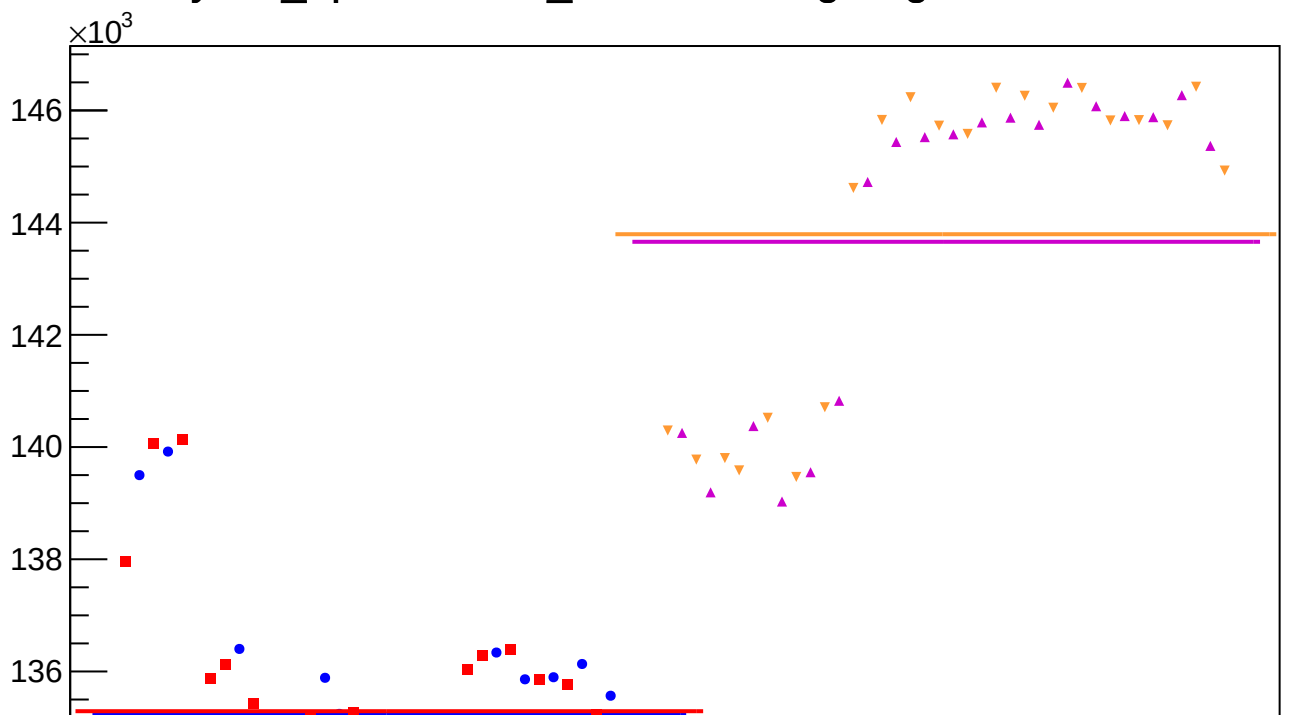
Left: 260.968+/-0.034 χ^2/NDF: 4086960.8/39

Right: 279.649+/-0.056 χ^2/NDF: 3185297.4/34

In: 272.337+/-0.043 χ^2/NDF:3291948.7/34

Out: 260.472+/-0.040 χ^2/NDF:4020246.6/39

All: 266.008+/-0.029 χ^2/NDF: 7353694.6/74



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 143793.583+/-0.050 χ^2/NDF:3107119853.9/20

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

Left In: 143658.497+/-0.053 χ^2/NDF:2744329223.7/18

Left: 143729.917+/-0.037 χ^2/NDF: 5854844460.9/3

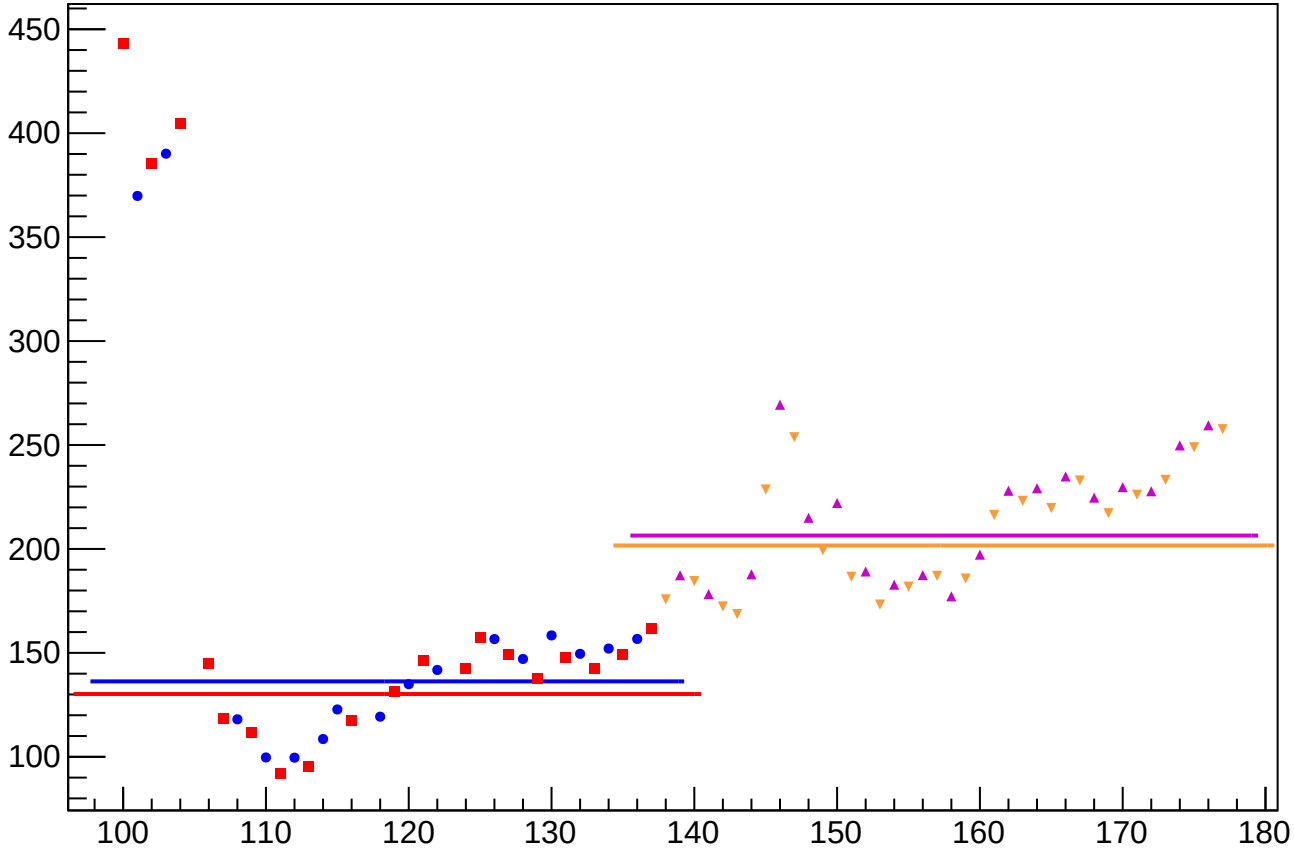
Right: 135270.332+/-0.038 χ^2/NDF: 770541555.9/3

In: 139562.665+/-0.038 χ^2/NDF:15258545405.8/3

Out: 139661.085+/-0.036 χ^2/NDF:17359437175.9

All: 139614.661+/-0.026 χ^2/NDF: 32621492

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 201.668+/-0.036 χ^2/NDF:567988.9/20

Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 206.444+/-0.038 χ^2/NDF:482001.5/18

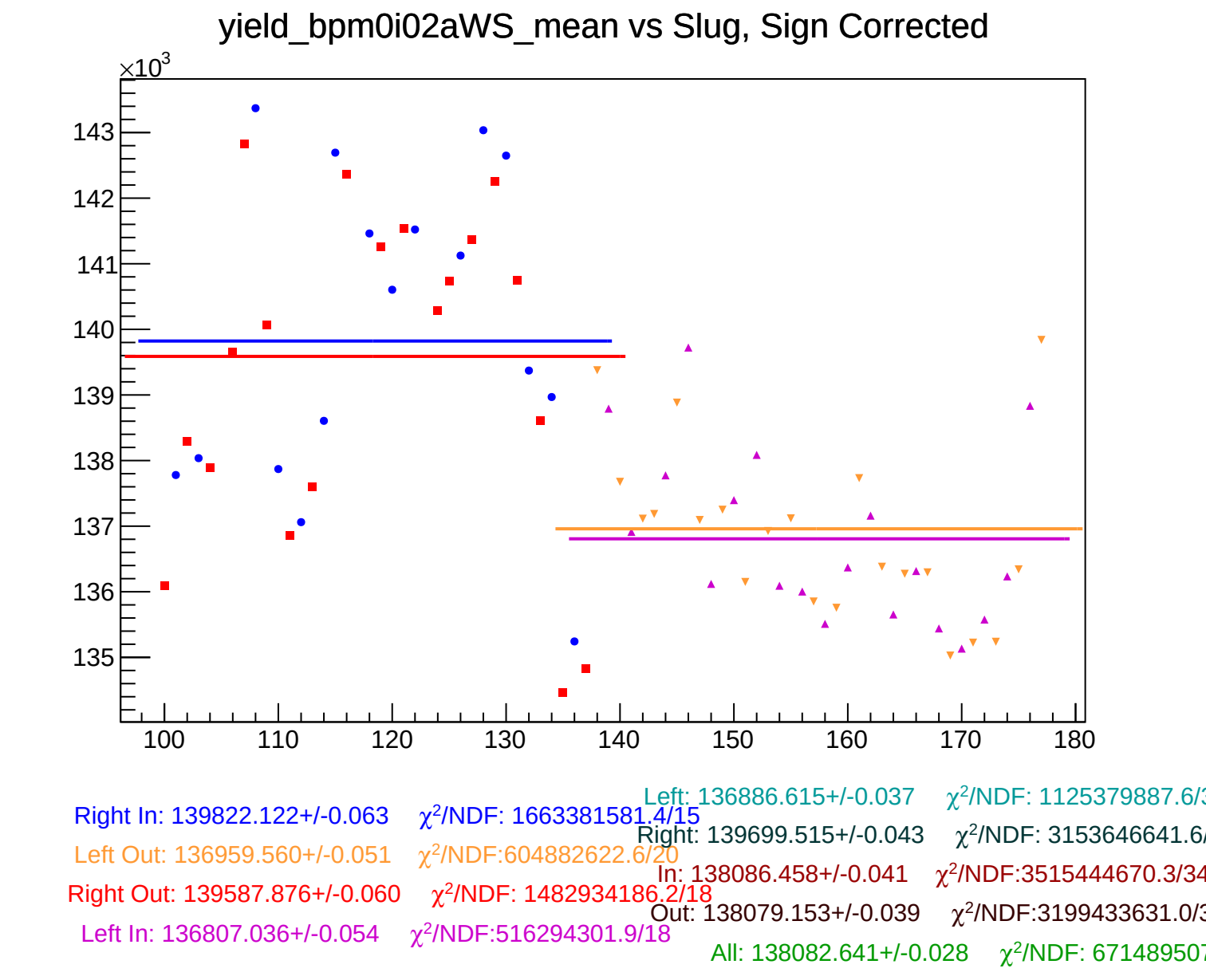
Left: 203.919+/-0.026 χ^2/NDF: 1058479.2/39

Right: 133.076+/-0.027 χ^2/NDF: 2917928.2/34

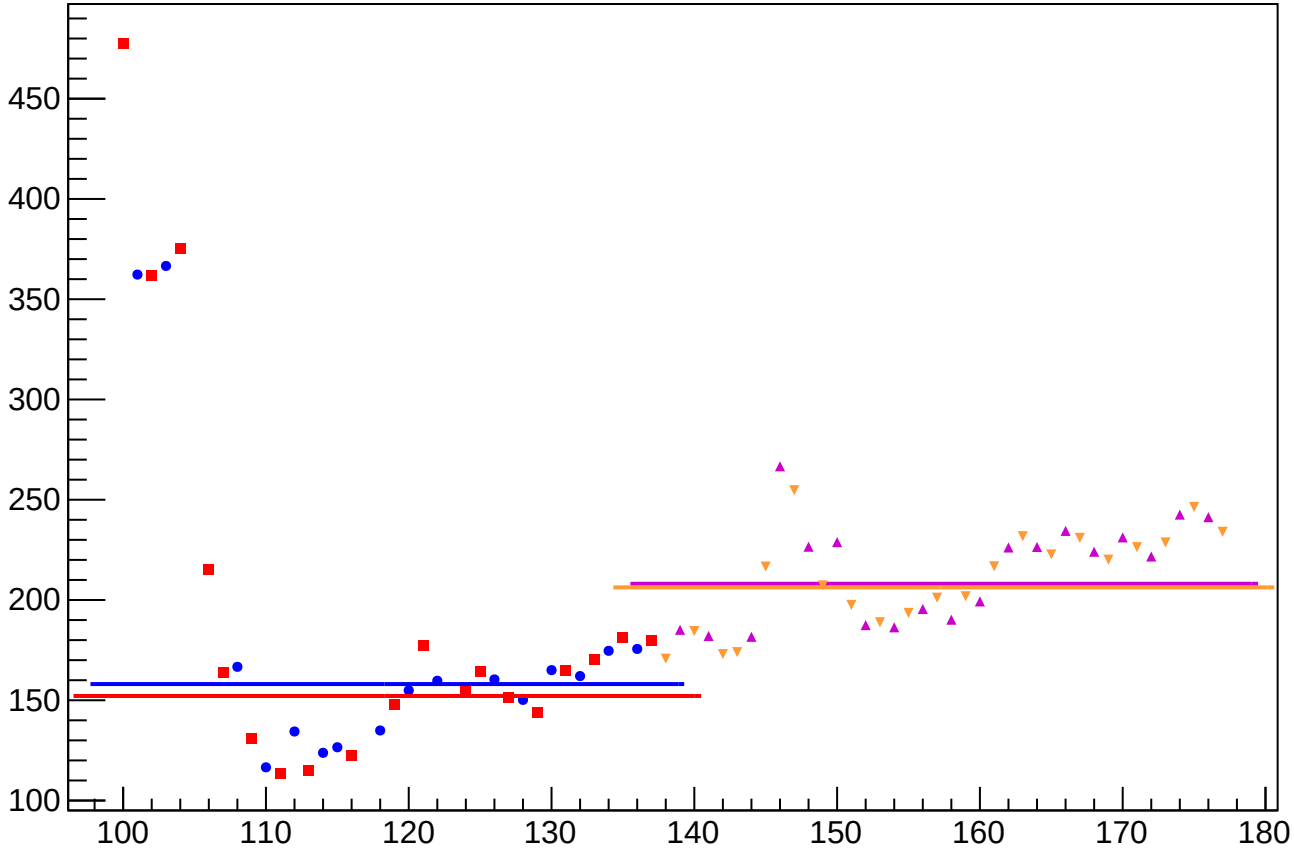
In: 172.284+/-0.027 χ^2/NDF:3552952.1/34

Out: 166.932+/-0.026 χ^2/NDF:4048851.6/39

All: 169.457+/-0.019 χ^2/NDF: 7622565.7/74


yield_bpm0i02aWS_mean vs Slug, Sign Corrected
×10^3
143
142
141
140
139
138
137
136
135
100
110
120
130
140
150
160
170
180
Right In: 139822.122+/-0.063 χ²/NDF: 1663381581.4/15
Left Out: 136959.560+/-0.051 χ²/NDF:604882622.6/20
Right Out: 139587.876+/-0.060 χ²/NDF: 1482934186.2/18
Left In: 136807.036+/-0.054 χ²/NDF:516294301.9/18
Left: 136886.615+/-0.037 χ²/NDF: 1125379887.6/3
Right: 139699.515+/-0.043 χ²/NDF: 3153646641.6/
In: 138086.458+/-0.041 χ²/NDF:3515444670.3/34
Out: 138079.153+/-0.039 χ²/NDF:3199433631.0/3
All: 138082.641+/-0.028 χ²/NDF: 67148950

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 206.299+/-0.036 χ^2/NDF:410380.9/20

Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 208.098+/-0.038 χ^2/NDF:397281.1/18

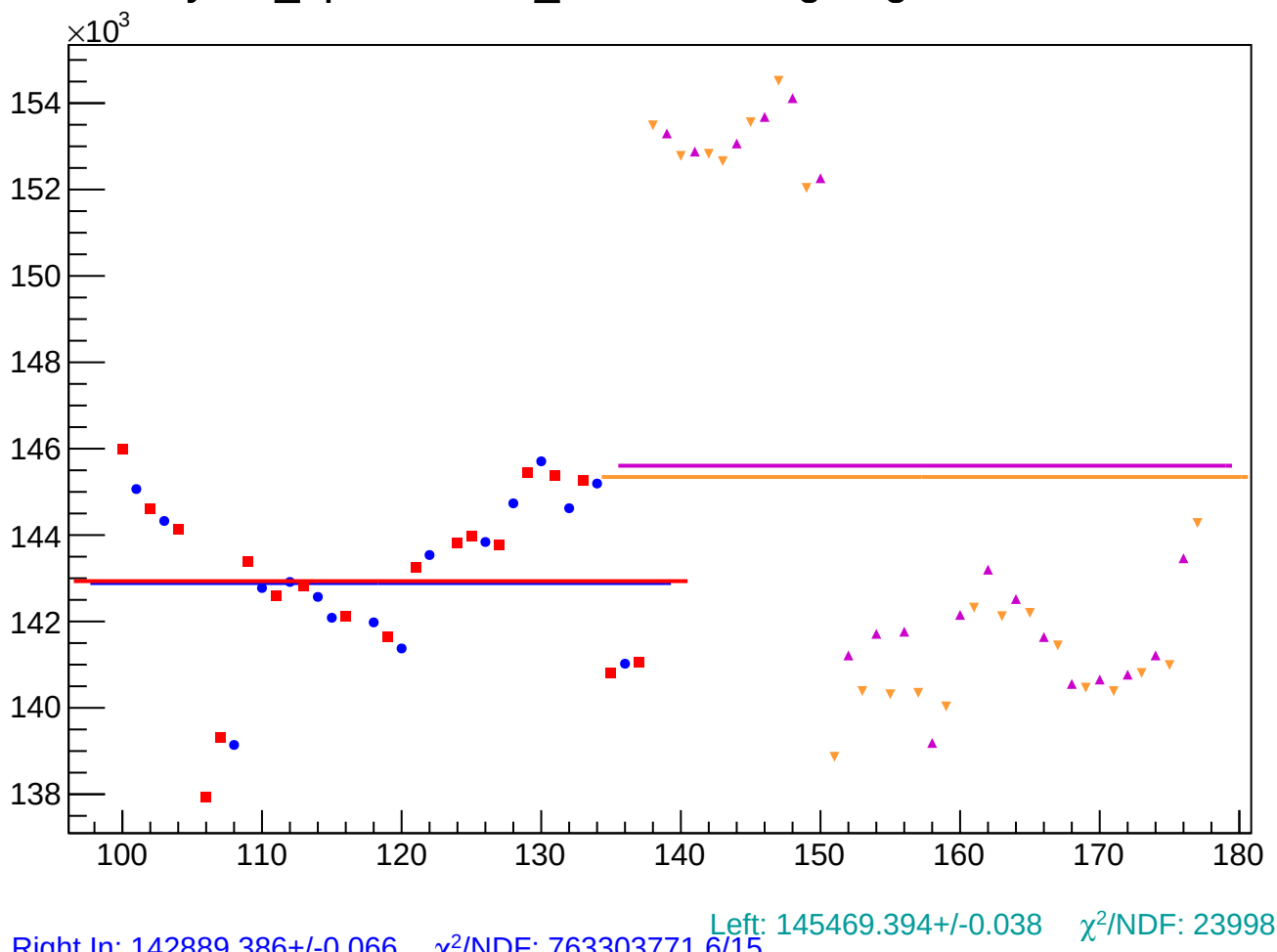
Left: 207.159+/-0.026 χ^2/NDF: 808832.0/39

Right: 154.970+/-0.031 χ^2/NDF: 2256411.8/34

In: 186.873+/-0.029 χ^2/NDF:2150457.2/34

Out: 183.228+/-0.028 χ^2/NDF:2583467.6/39

All: 184.969+/-0.020 χ^2/NDF: 4742275.9/74



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 145344.786+/-0.052 χ^2/NDF:12987539928.5/20

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

Left In: 145605.783+/-0.055 χ^2/NDF:10999257237.9/18

Left: 145469.394+/-0.038 χ^2/NDF: 23998769549.7

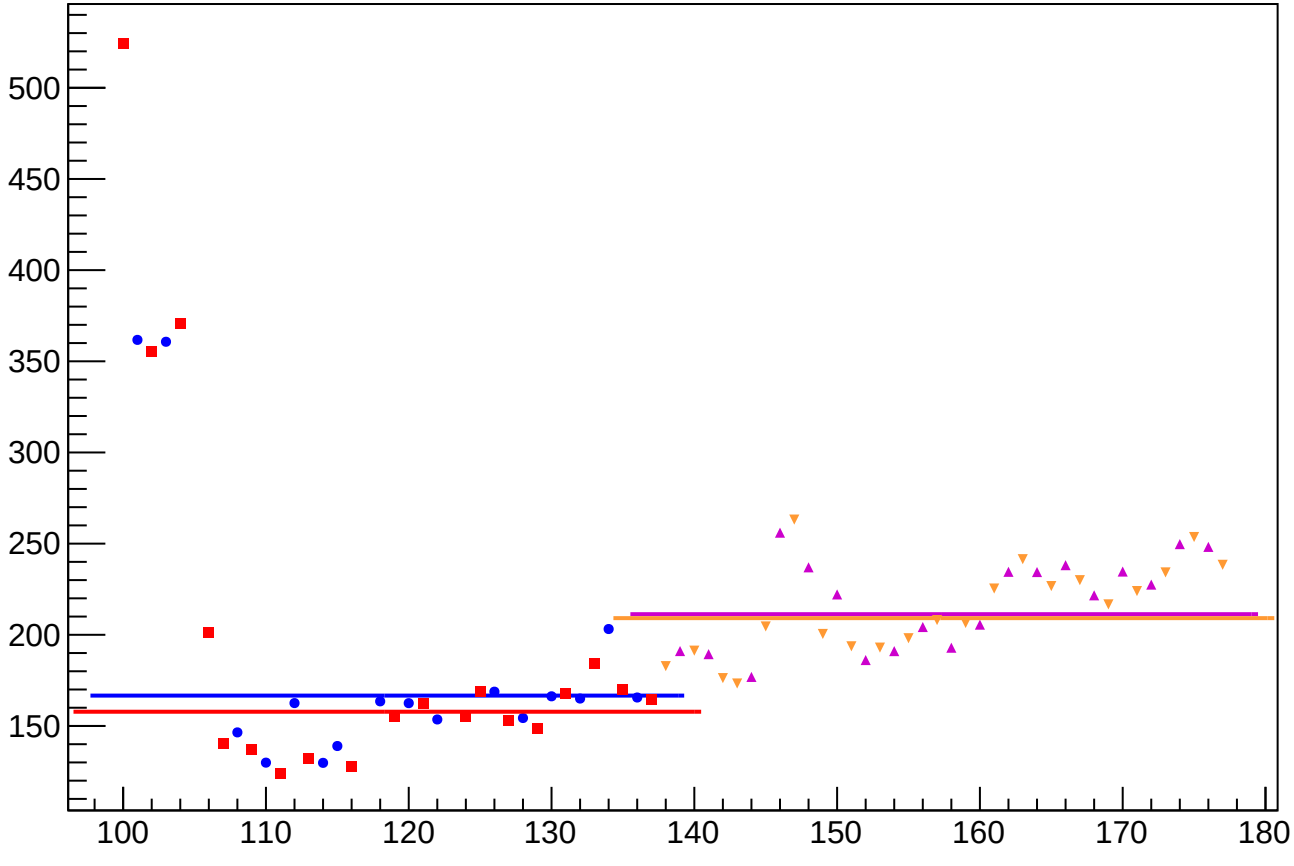
Right: 142913.088+/-0.045 χ^2/NDF: 1550935114.7/

In: 144497.545+/-0.042 χ^2/NDF:12775056311.2/3

Out: 144337.742+/-0.040 χ^2/NDF:14668706322.3

All: 144413.376+/-0.029 χ^2/NDF: 27451403

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 209.136+/-0.037 χ^2/NDF:402040.1/20

Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 211.310+/-0.039 χ^2/NDF:391482.4/18

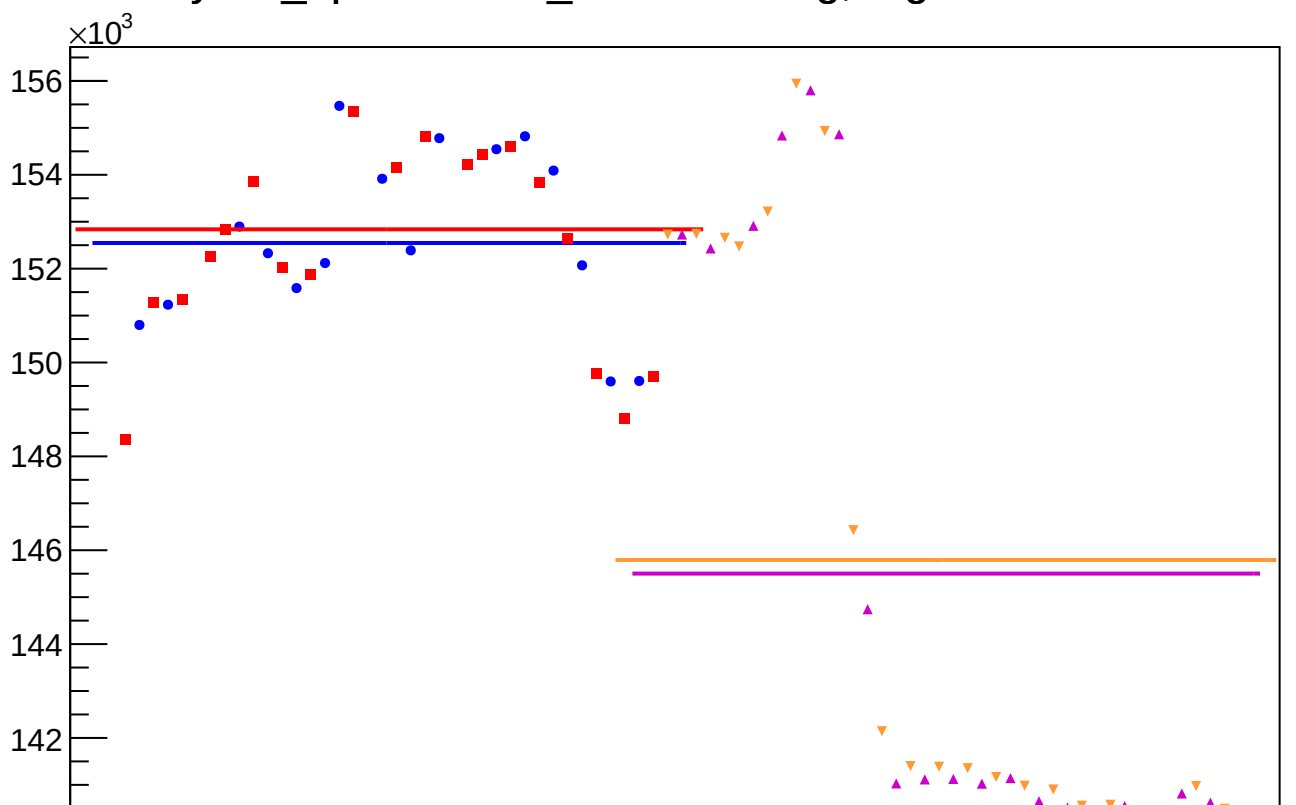
Left: 210.174+/-0.027 χ^2/NDF: 795184.1/39

Right: 161.945+/-0.032 χ^2/NDF: 1905231.4/34

In: 193.092+/-0.030 χ^2/NDF:1802260.5/34

Out: 187.696+/-0.028 χ^2/NDF:2234574.5/39

All: 190.250+/-0.020 χ^2/NDF: 4054258.8/74



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 145791.682+/-0.052 χ^2/NDF:12657988662.5/20

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 145502.366+/-0.054 χ^2/NDF:12234223450.9/18

Left: 145653.087+/-0.037 χ^2/NDF: 24907067598.4

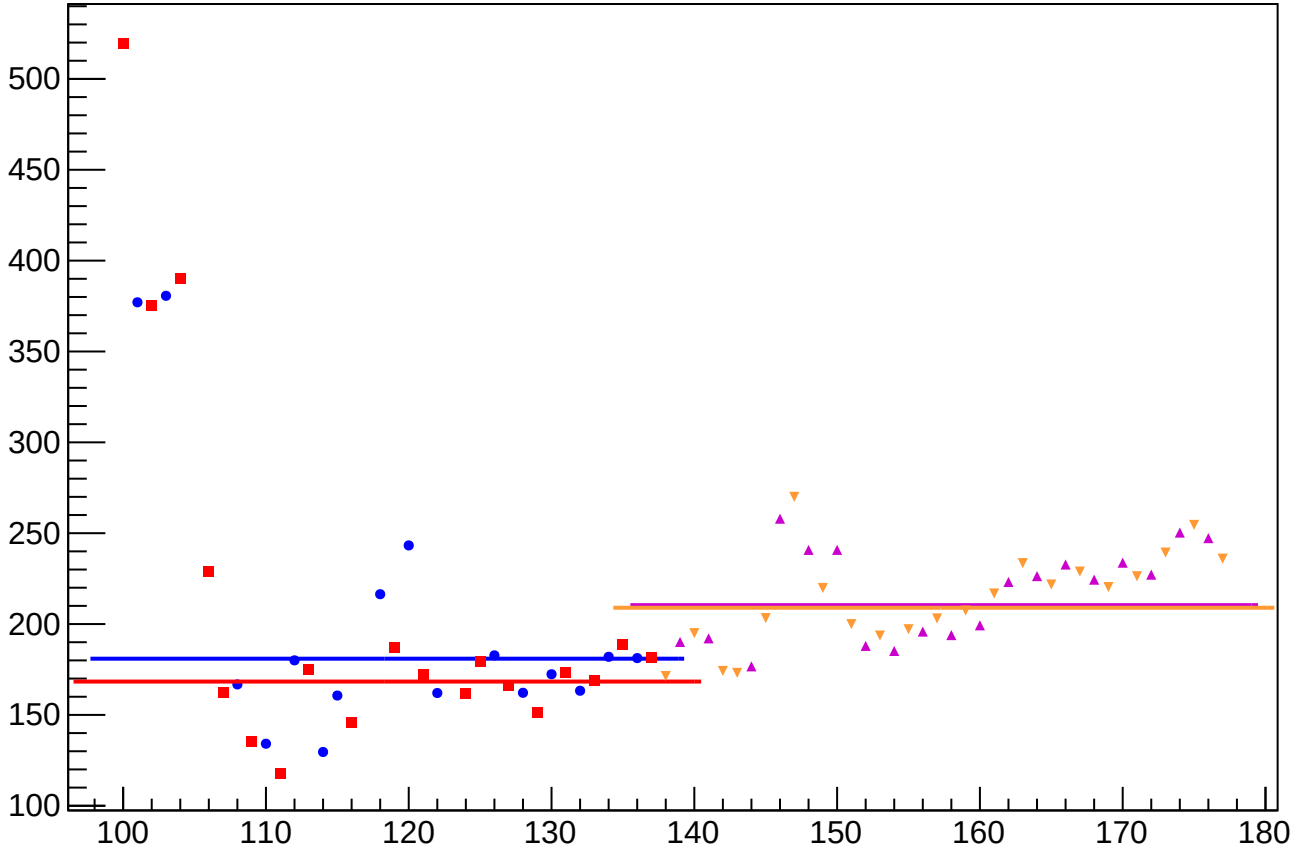
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 148021.526+/-0.043 χ^2/NDF:18934518678.9/3

Out: 148454.377+/-0.041 χ^2/NDF:20345889550.3/

All: 148250.486+/-0.030 χ^2/NDF: 39332966

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 208.978+/-0.037 χ^2/NDF:442478.0/20

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 210.398+/-0.038 χ^2/NDF:420226.8/18

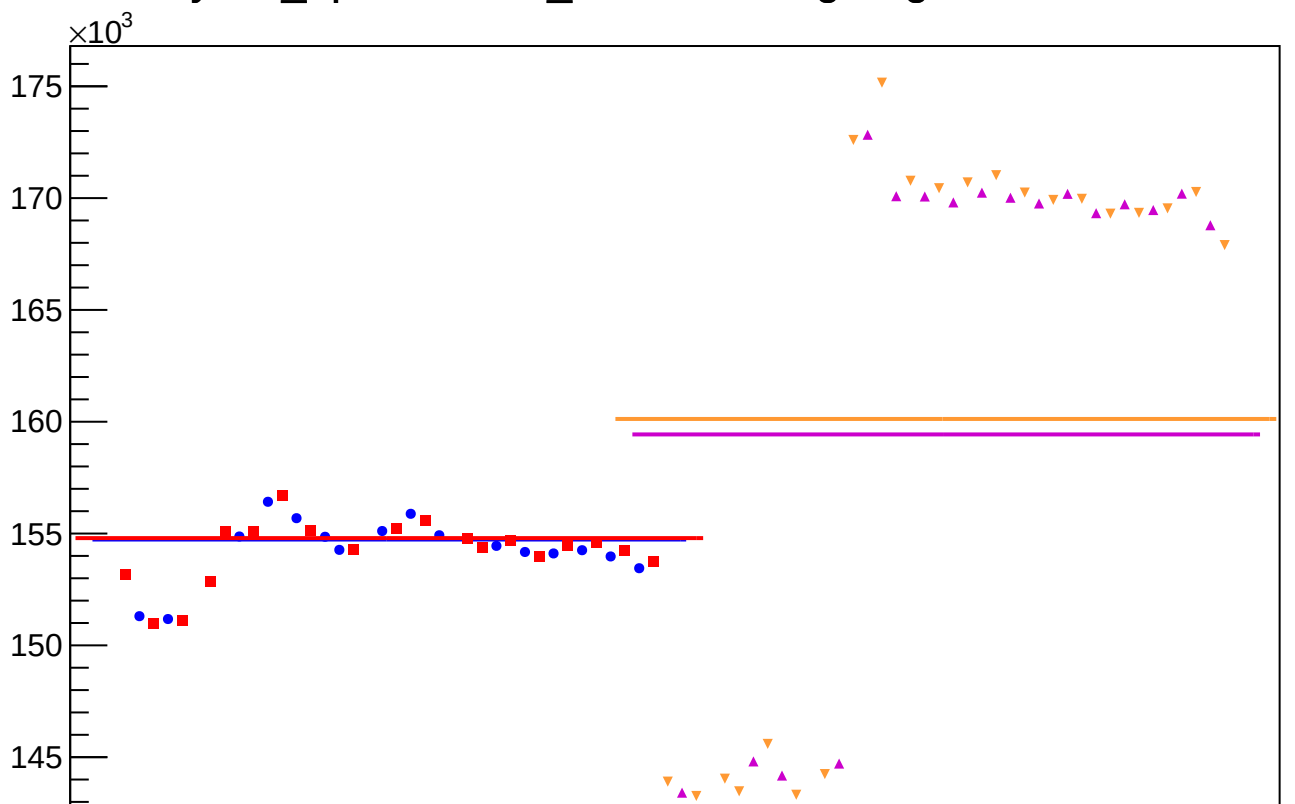
Left: 209.658+/-0.027 χ^2/NDF: 863420.8/39

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 199.863+/-0.031 χ^2/NDF:1539443.5/34

Out: 193.624+/-0.029 χ^2/NDF:1993765.9/39

All: 196.563+/-0.021 χ^2/NDF: 3555044.8/74



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 160124.220+/-0.049 χ^2/NDF:72501743391.8/20

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

Left In: 159432.533+/-0.052 χ^2/NDF:64416149002.5/18

Left: 159794.048+/-0.036 χ^2/NDF: 137011892494.

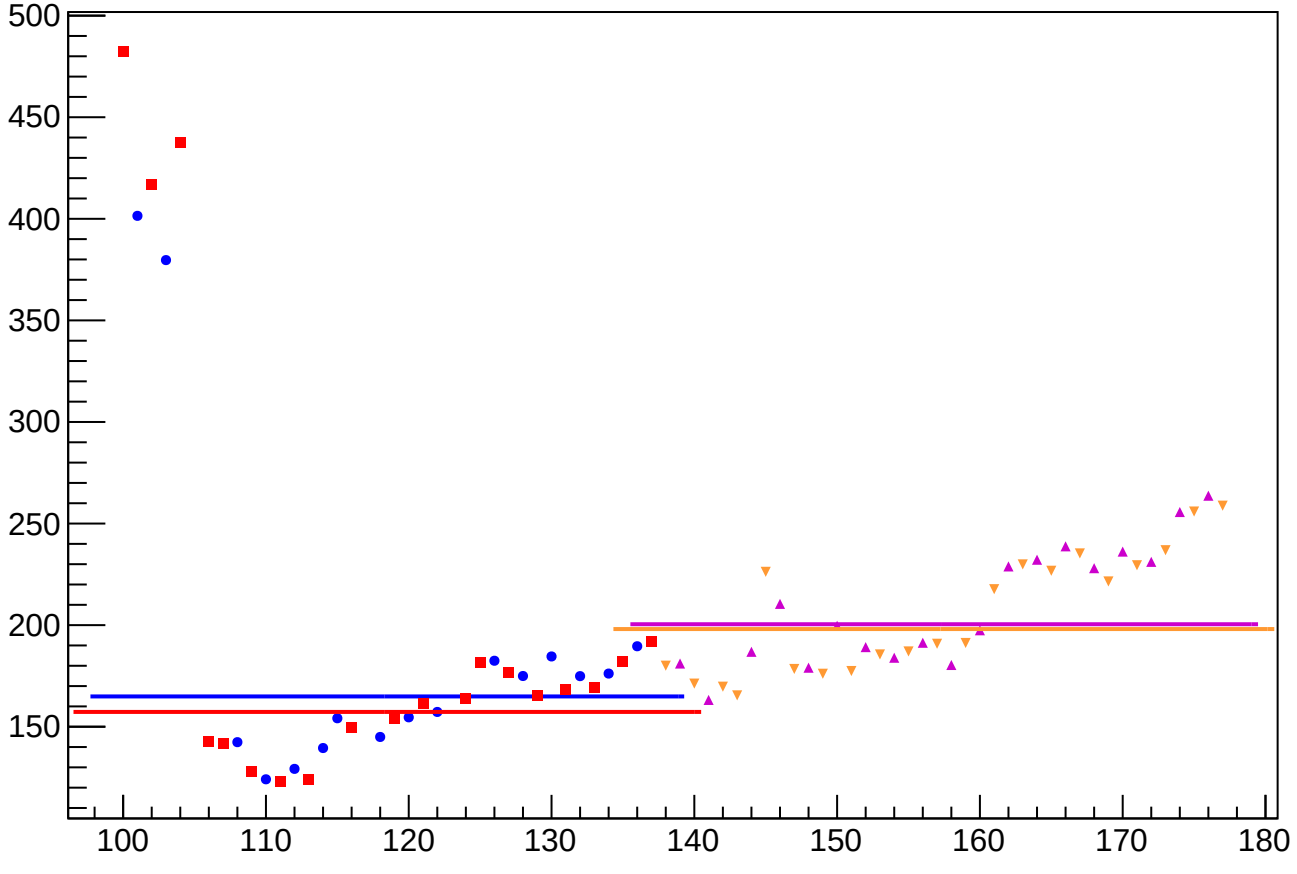
Right: 154766.574+/-0.045 χ^2/NDF: 579080682.1/3

In: 157623.552+/-0.040 χ^2/NDF:67886317156.9/3

Out: 158022.183+/-0.038 χ^2/NDF:77415966104.0

All: 157833.457+/-0.028 χ^2/NDF: 14535342

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 198.072+/-0.035 χ^2/NDF:621431.5/20

Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 200.446+/-0.036 χ^2/NDF:514778.1/18

Left: 199.205+/-0.025 χ^2/NDF: 1138424.4/39

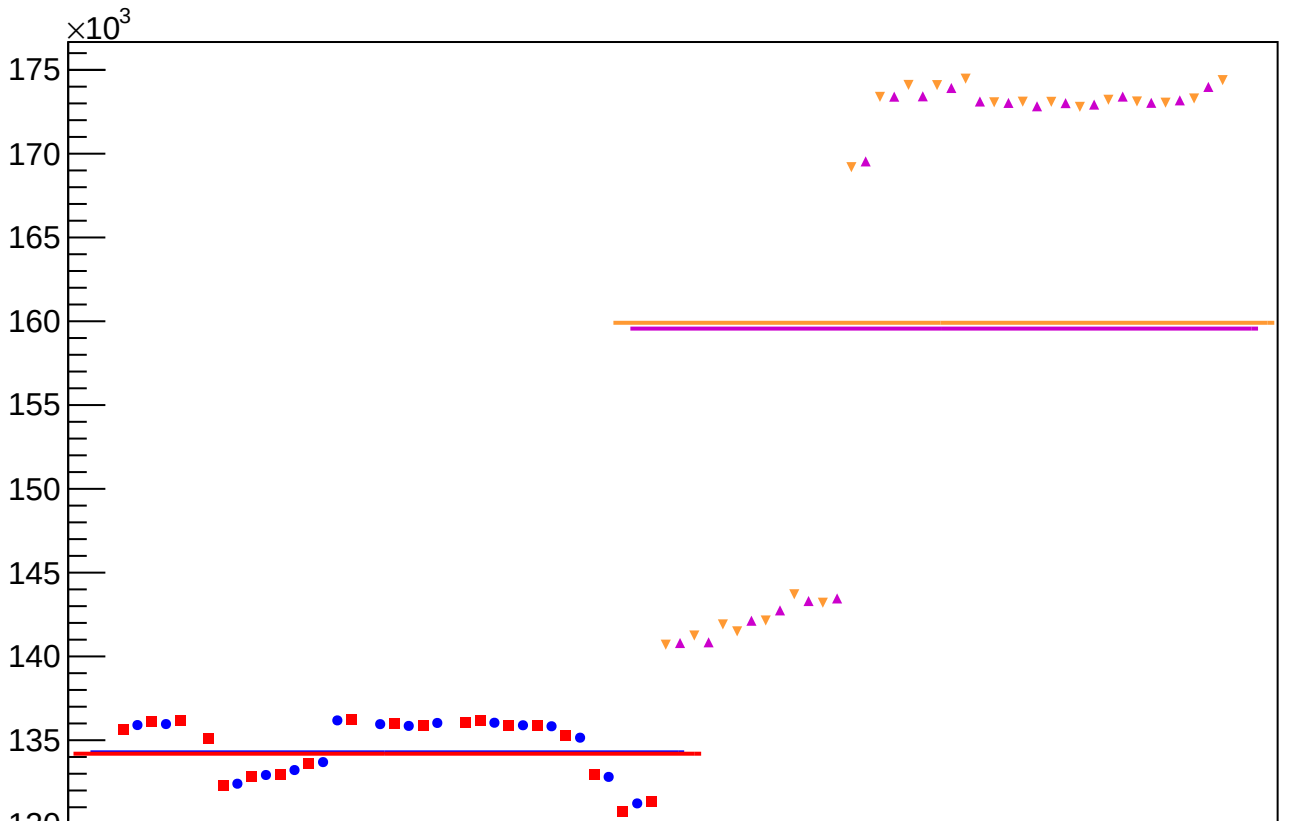
Right: 160.846+/-0.032 χ^2/NDF: 2342128.6/34

In: 186.765+/-0.029 χ^2/NDF:1953048.4/34

Out: 181.980+/-0.027 χ^2/NDF:2416563.5/39

All: 184.246+/-0.020 χ^2/NDF: 4384348.1/74

yield_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 159909.280+/-0.050 χ^2/NDF:93905876757.5/20

Right Out: 134195.257+/-0.048 χ^2/NDF: 1205537499.7/18

Left In: 159562.452+/-0.053 χ^2/NDF:84358721390.1/18

Left: 159744.211+/-0.036 χ^2/NDF: 178287380812.

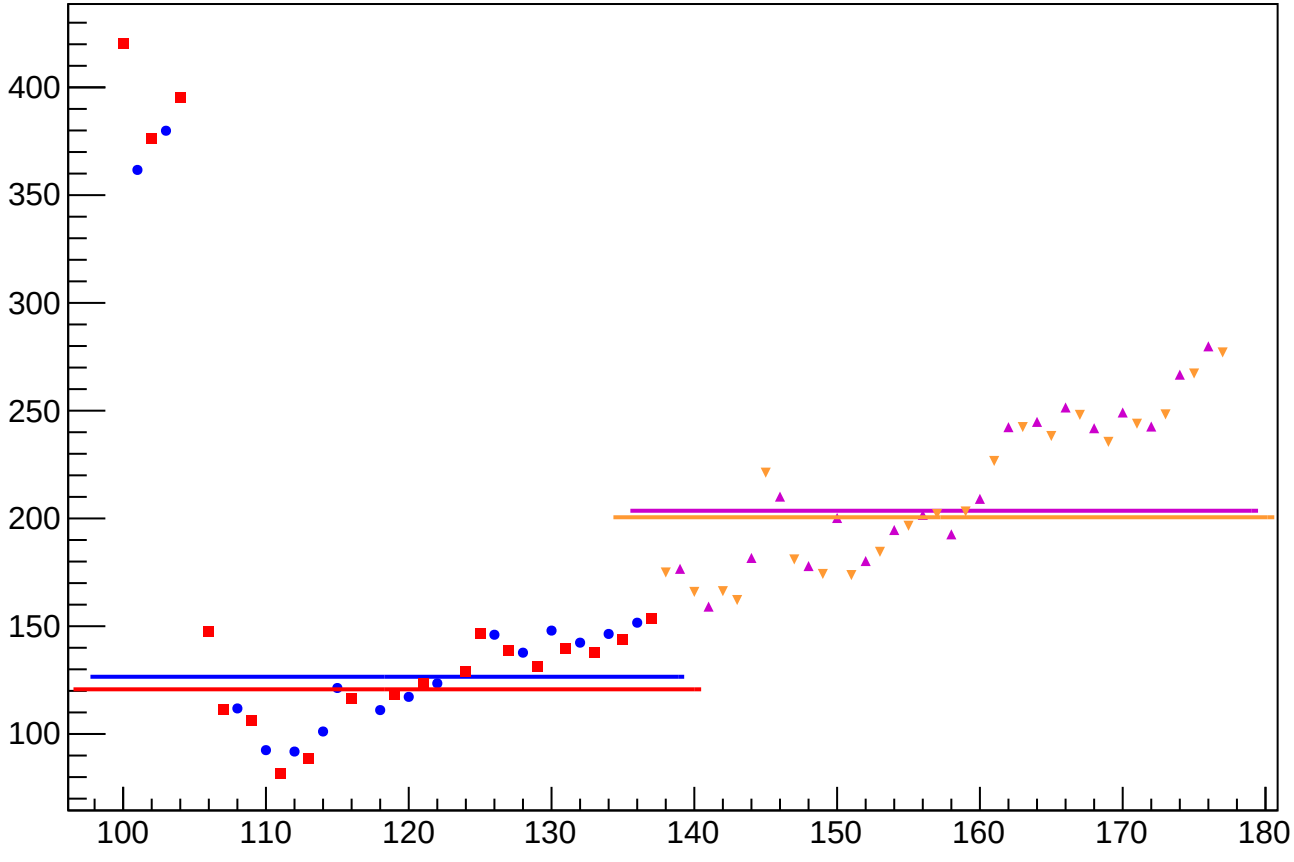
Right: 134233.345+/-0.035 χ^2/NDF: 2349742421.8/

In: 146485.020+/-0.037 χ^2/NDF:205011312236.3

Out: 146487.810+/-0.035 χ^2/NDF:232451024019.

All: 146486.489+/-0.025 χ^2/NDF: 43746233

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 200.548+/-0.035 χ^2/NDF:885240.1/20

Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 203.571+/-0.037 χ^2/NDF:724741.1/18

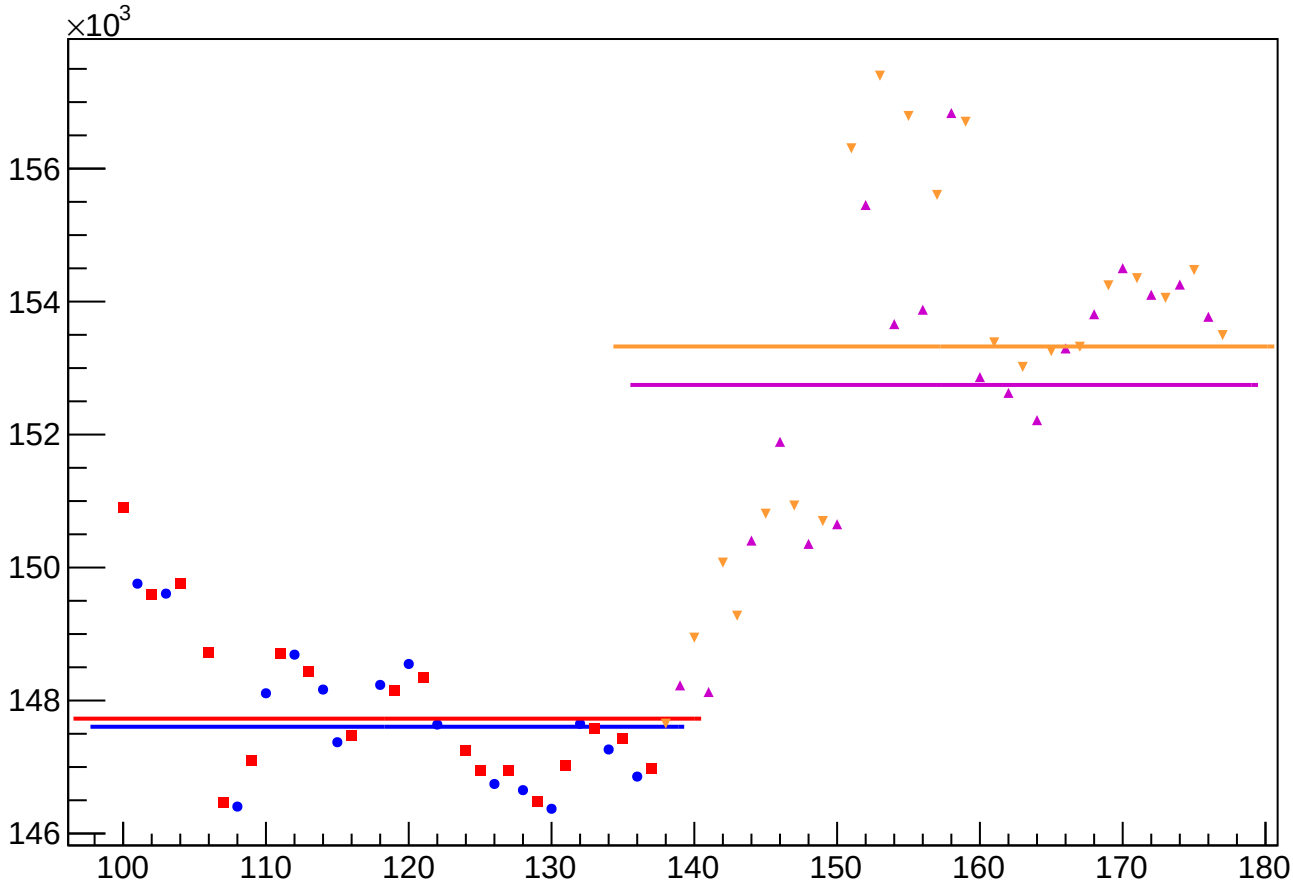
Left: 201.987+/-0.026 χ^2/NDF: 1613444.0/39

Right: 123.469+/-0.025 χ^2/NDF: 3124061.5/34

In: 163.738+/-0.026 χ^2/NDF:4419709.6/34

Out: 158.883+/-0.025 χ^2/NDF:5165001.6/39

All: 161.182+/-0.018 χ^2/NDF: 9603292.6/74



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 153324.684+/-0.053 χ^2/NDF:2976422784.0/20

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

Left In: 152746.331+/-0.055 χ^2/NDF:1886257557.2/18

Left: 153048.020+/-0.038 χ^2/NDF: 4919499189.6/3

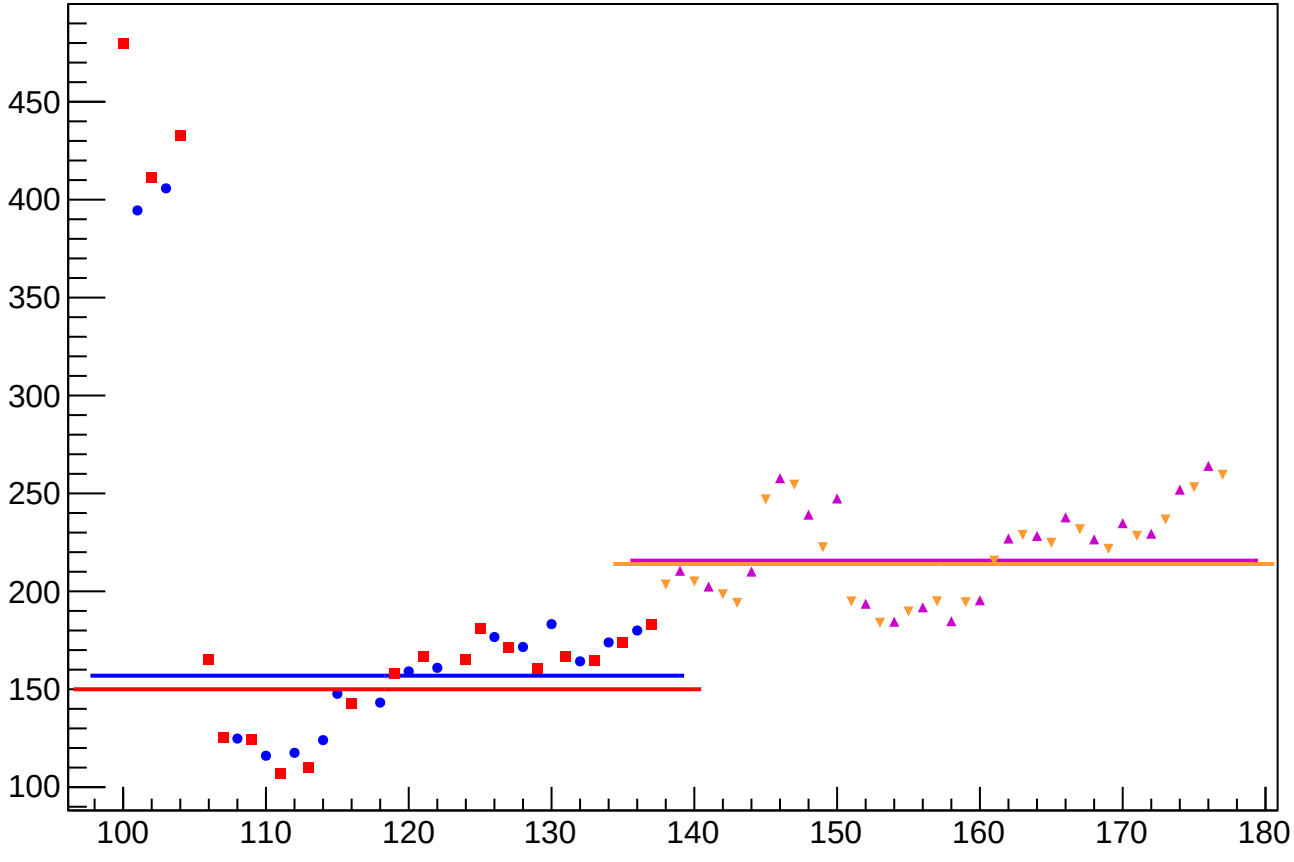
Right: 147670.157+/-0.043 χ^2/NDF: 397331184.2/3

In: 150482.677+/-0.041 χ^2/NDF:5876214686.6/34

Out: 150818.440+/-0.039 χ^2/NDF:8152392356.4/3

All: 150658.943+/-0.029 χ^2/NDF: 14063043

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 213.960+/-0.038 χ^2/NDF:351629.2/20

Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 215.686+/-0.039 χ^2/NDF:380892.5/18

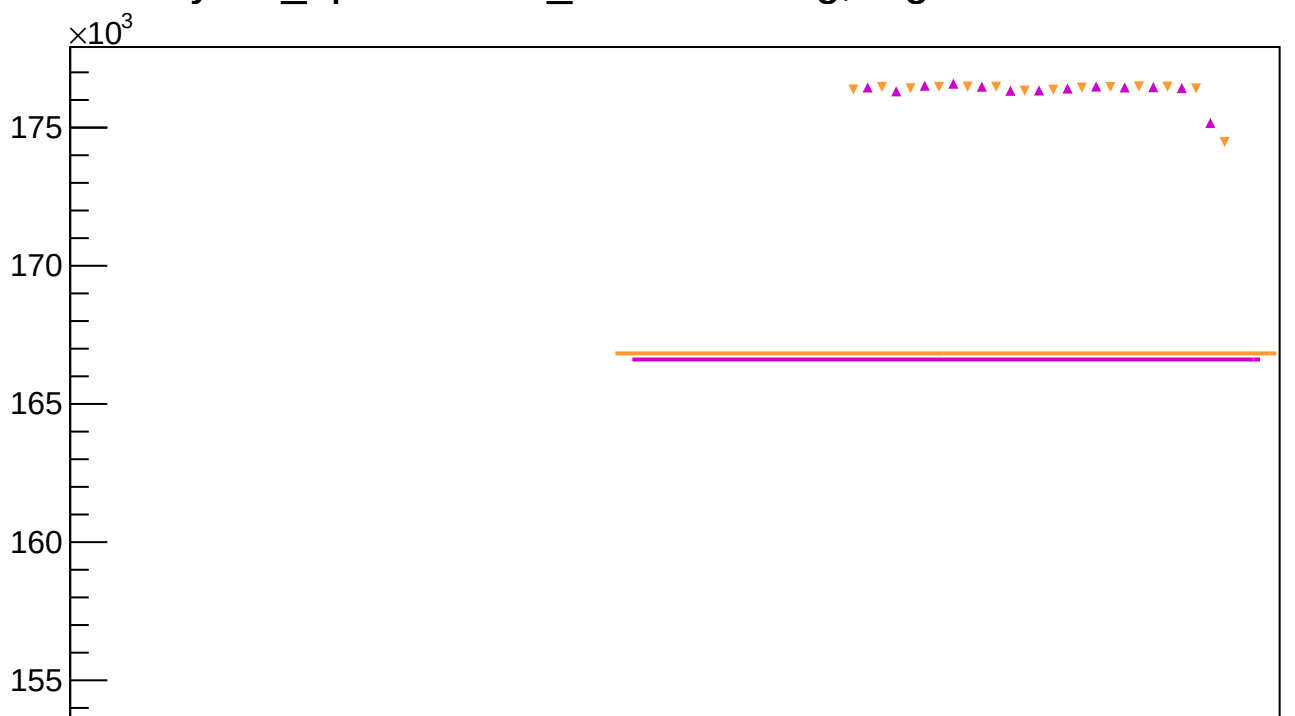
Left: 214.786+/-0.027 χ^2/NDF: 733533.5/39

Right: 153.258+/-0.030 χ^2/NDF: 2732730.8/34

In: 189.812+/-0.029 χ^2/NDF:2636819.7/34

Out: 185.318+/-0.028 χ^2/NDF:3106742.8/39

All: 187.453+/-0.020 χ^2/NDF: 5755903.9/74



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 166828.368+/-0.049 χ^2/NDF:57777467241.4/20

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

Left In: 166608.185+/-0.051 χ^2/NDF:53231173102.7/18

Left: 166723.706+/-0.035 χ^2/NDF: 111018430057.

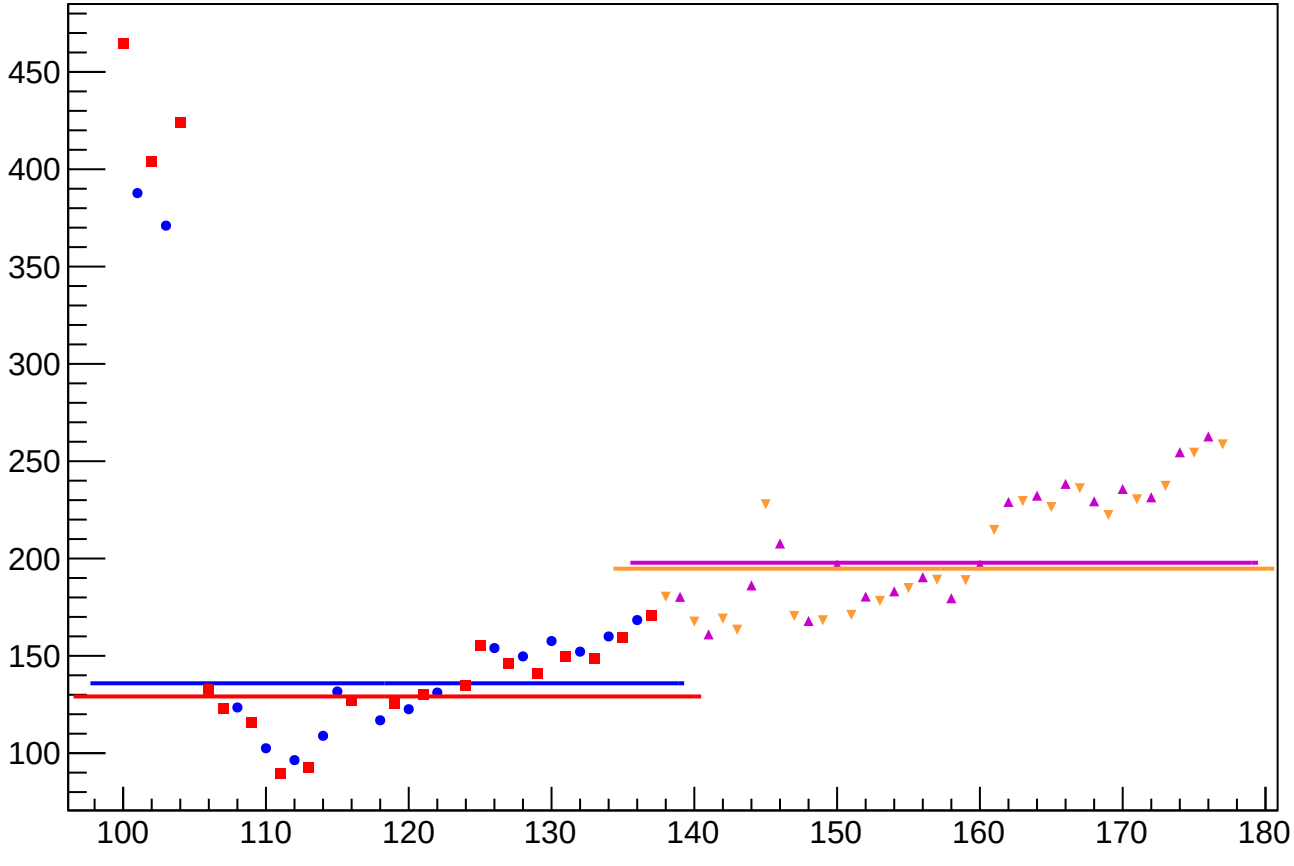
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 159140.443+/-0.037 χ^2/NDF:99569343883.2/3

Out: 159097.579+/-0.035 χ^2/NDF:111396950658.

All: 159117.759+/-0.026 χ^2/NDF: 21096699

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 194.797+/-0.034 χ^2/NDF:722699.5/20

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 197.836+/-0.036 χ^2/NDF:580005.7/18

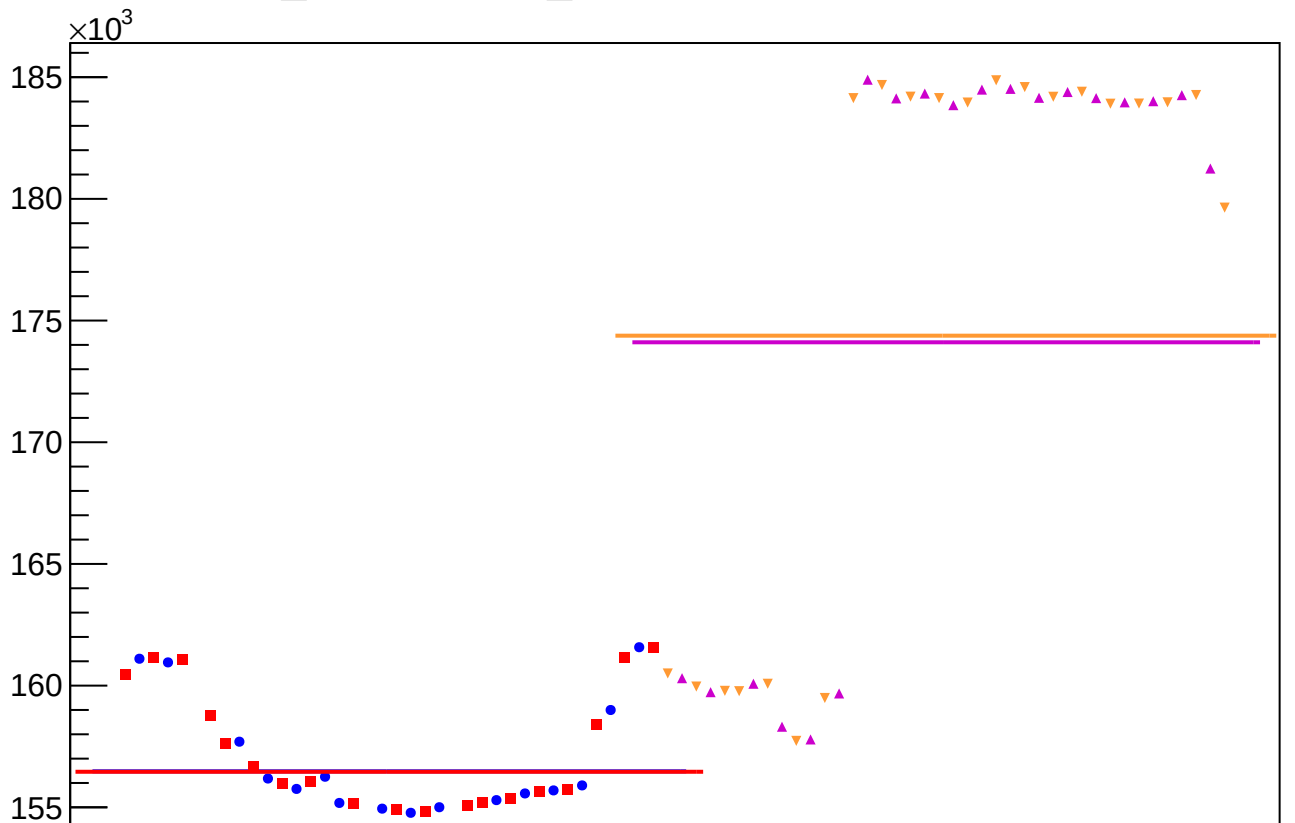
Left: 196.241+/-0.025 χ^2/NDF: 1306434.1/39

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 168.998+/-0.026 χ^2/NDF:3371302.7/34

Out: 163.589+/-0.025 χ^2/NDF:4078167.2/39

All: 166.135+/-0.018 χ^2/NDF: 7471769.7/74



Right In: 156478.318+/-0.057 χ^2/NDF: 1289449253.3/15

Left Out: 174378.699+/-0.050 χ^2/NDF:57283117201.2/20

Right Out: 156460.550+/-0.053 χ^2/NDF: 1100531658.8/18

Left In: 174106.889+/-0.053 χ^2/NDF:53832234280.4/18

Left: 174249.275+/-0.036 χ^2/NDF: 111129344848.

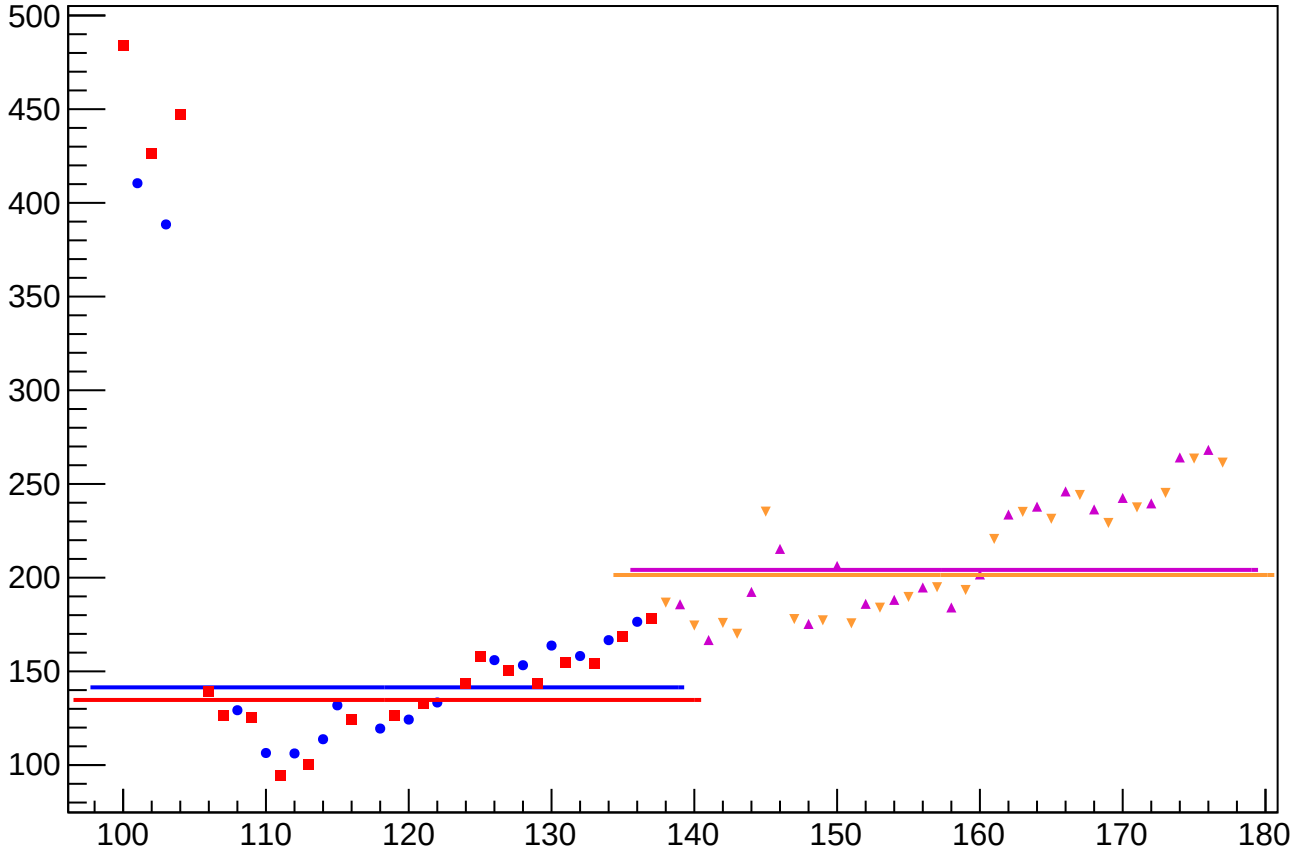
Right: 156468.838+/-0.039 χ^2/NDF: 2390033091.6

In: 165972.175+/-0.039 χ^2/NDF:106971634196.9

Out: 165937.464+/-0.036 χ^2/NDF:118548193070.

All: 165953.836+/-0.027 χ^2/NDF: 22552025

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 201.428+/-0.035 χ^2/NDF:680407.4/20

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

Left In: 204.150+/-0.037 χ^2/NDF:567101.2/18

Left: 202.724+/-0.026 χ^2/NDF: 1250315.8/39

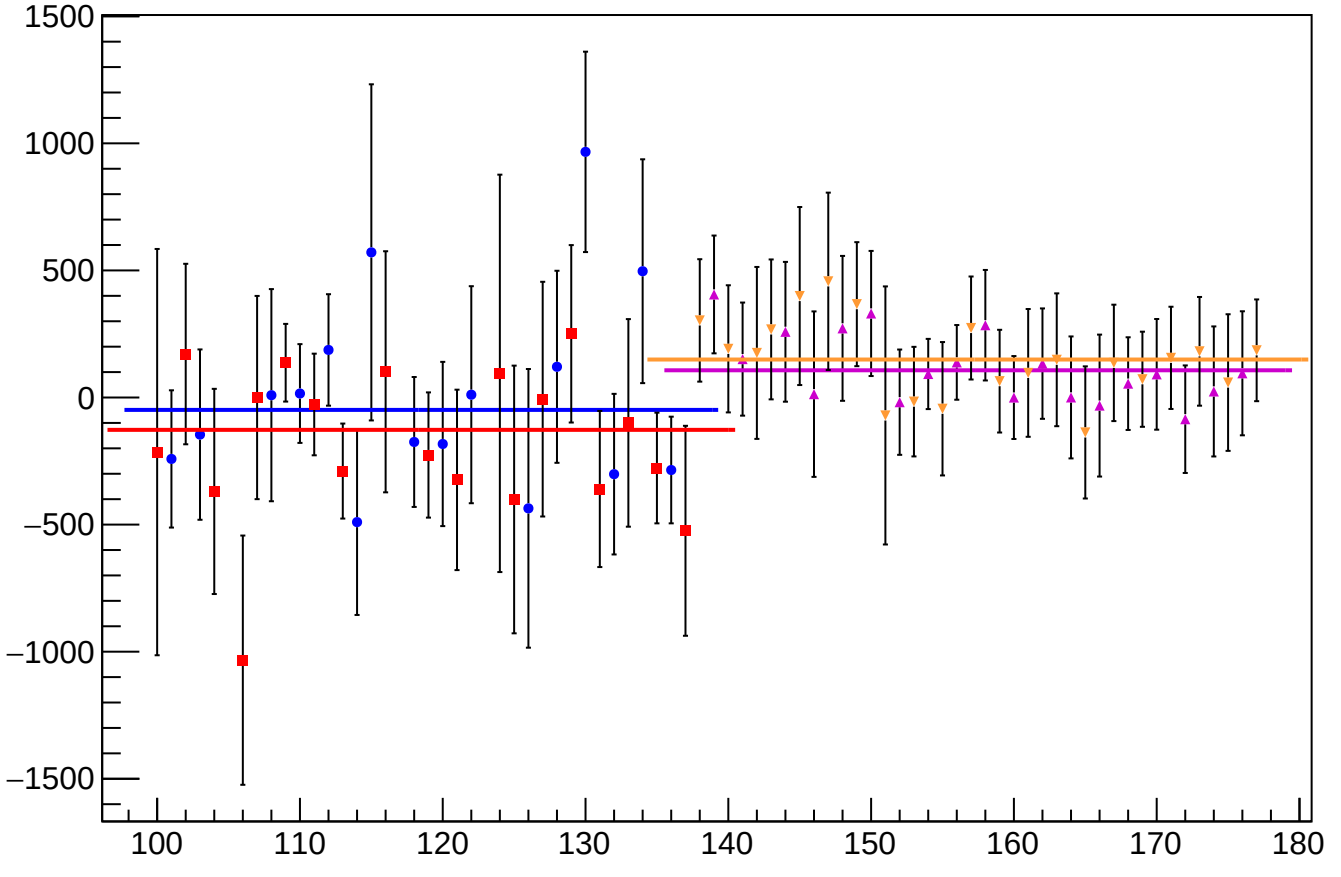
Right: 137.883+/-0.027 χ^2/NDF: 2985912.1/34

In: 175.226+/-0.027 χ^2/NDF:3270023.0/34

Out: 170.014+/-0.026 χ^2/NDF:3925921.0/39

All: 172.472+/-0.019 χ^2/NDF: 7215219.4/74

asym_bcm_target_mean vs Slug, Sign Corrected



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 149.444+/-53.043 χ^2/NDF:6.2/20

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 107.099+/-48.331 χ^2/NDF:6.2/18

Left: 126.307+/-35.725 χ^2/NDF: 12.8/39

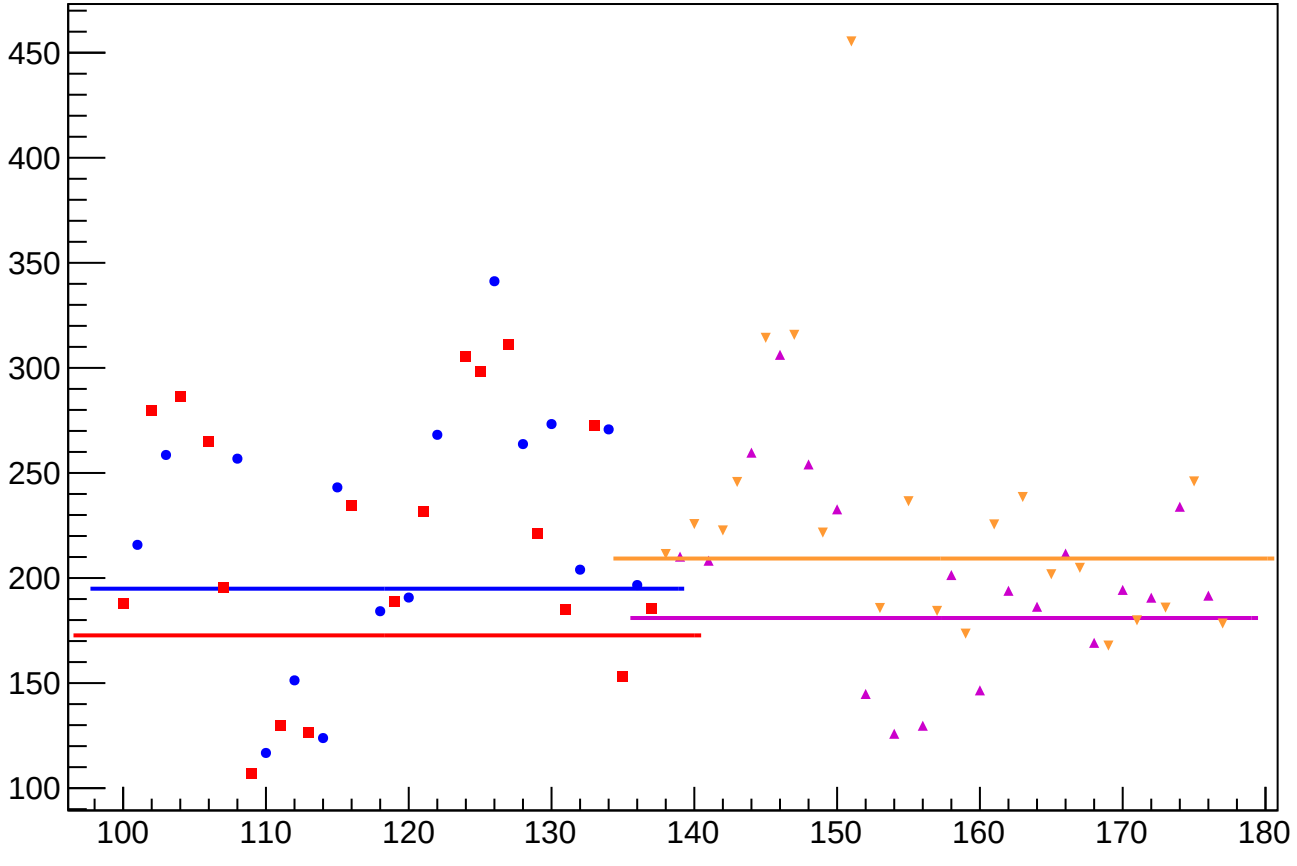
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 62.715+/-40.874 χ^2/NDF:24.6/34

Out: 45.736+/-41.941 χ^2/NDF:29.2/39

All: 54.444+/-29.272 χ^2/NDF: 54.0/74

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 209.279+/-0.038 χ^2/NDF:1311816.0/20

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 180.975+/-0.034 χ^2/NDF:1612561.0/18

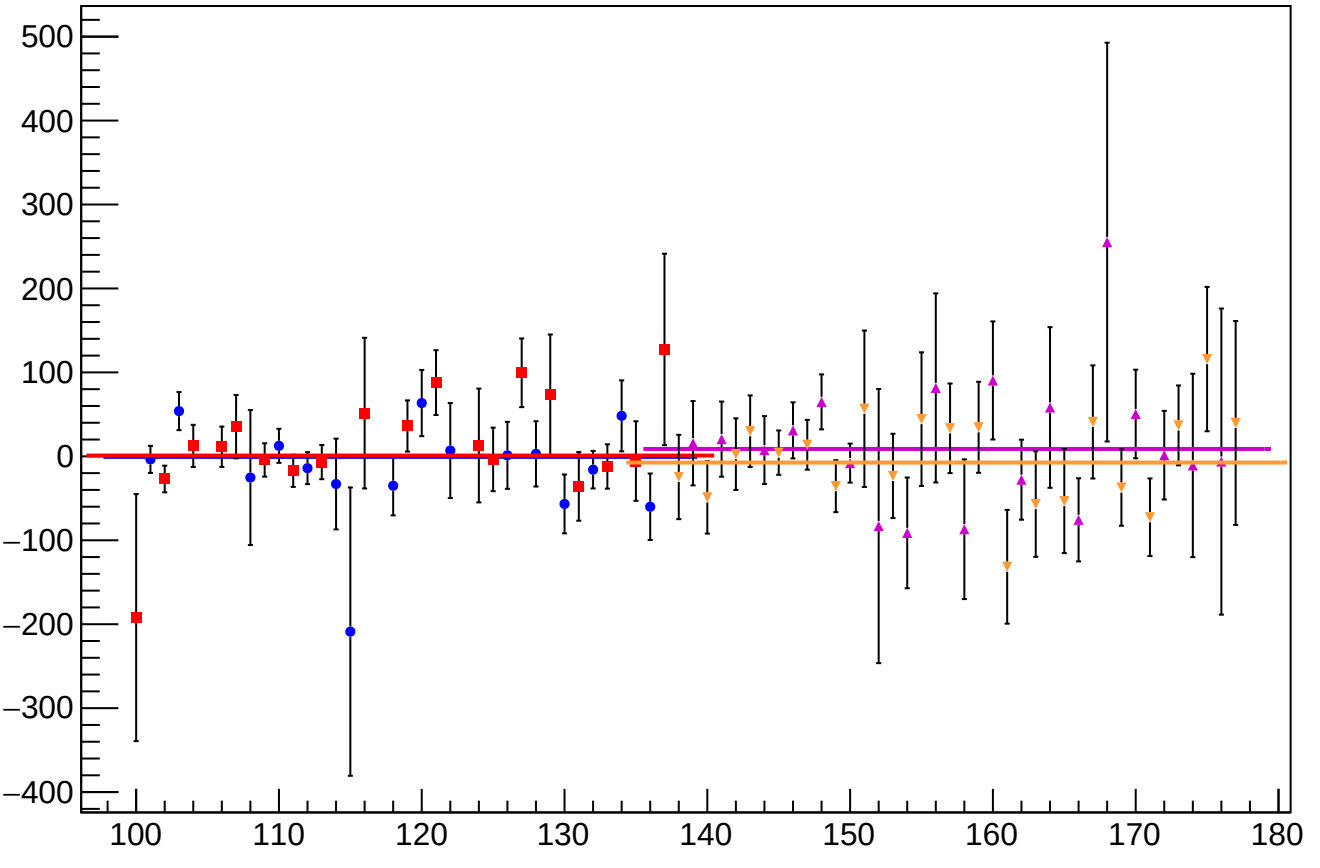
Left: 193.814+/-0.025 χ^2/NDF: 3235533.4/39

Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 184.947+/-0.029 χ^2/NDF:2688900.8/34

Out: 195.570+/-0.030 χ^2/NDF:3299580.3/39

All: 190.122+/-0.021 χ^2/NDF: 6054293.3/74



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -7.376+/-10.231 χ^2/NDF:16.1/20

Right Out: 0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: 8.806+/-11.408 χ^2/NDF:15.2/18

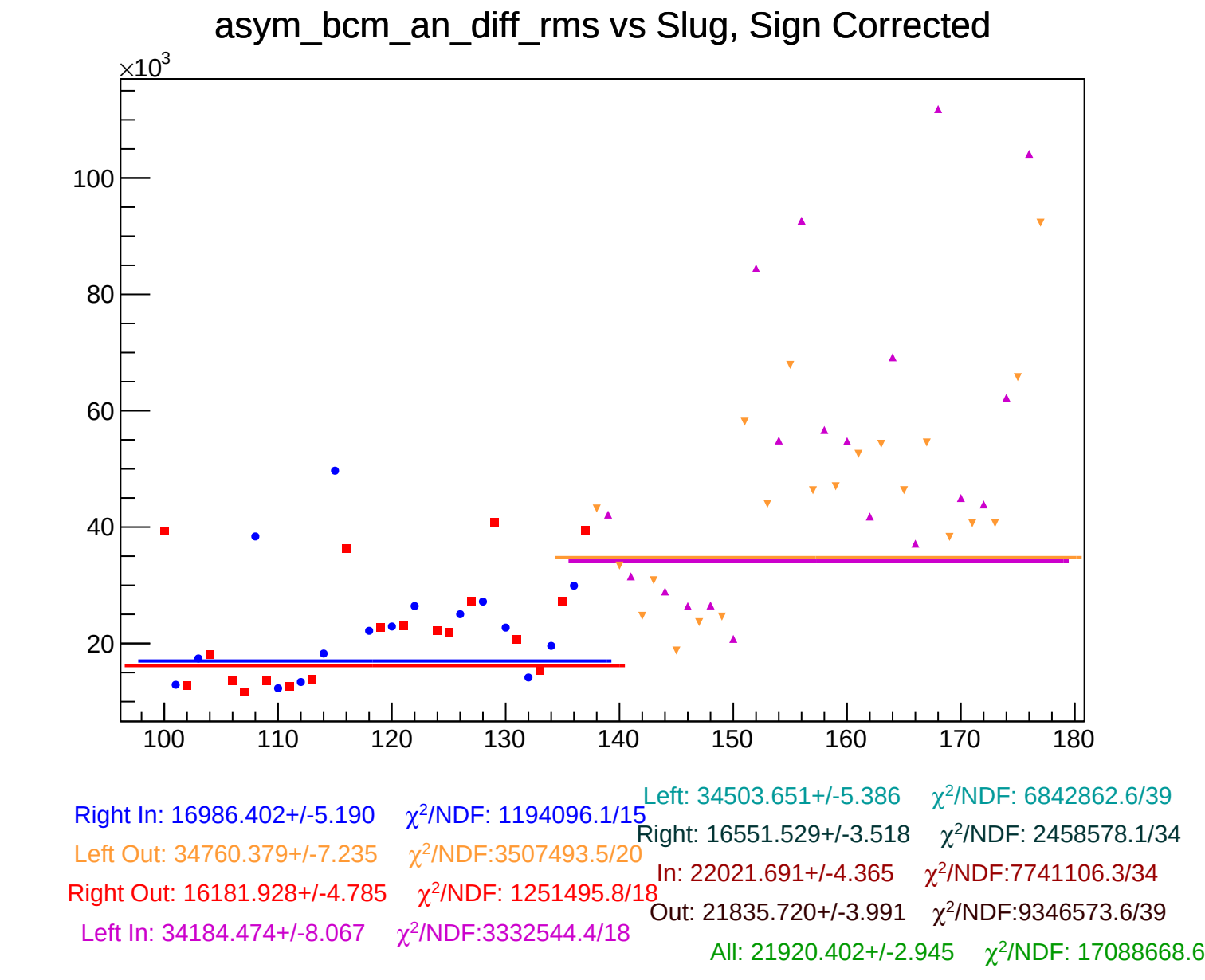
Left: -0.162+/-7.617 χ^2/NDF: 32.4/39

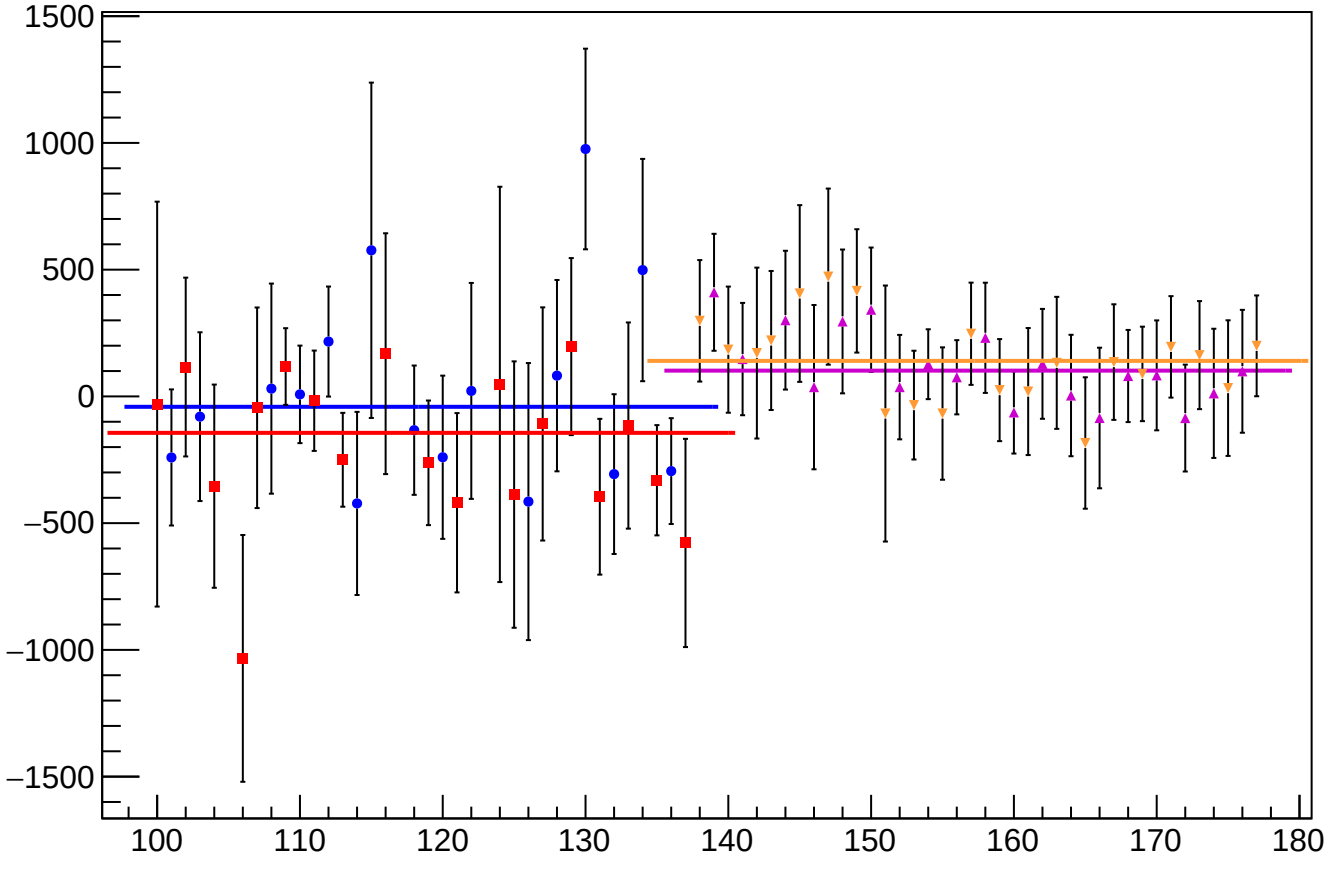
Right: 0.220+/-4.975 χ^2/NDF: 42.0/34

In: 2.137+/-6.173 χ^2/NDF:34.6/34

Out: -1.593+/-5.644 χ^2/NDF:39.6/39

All: 0.106+/-4.165 χ^2/NDF: 74.4/74


asym_bcm_an_diff_rms vs Slug, Sign Corrected
×10^3
100
80
60
40
20
100
110
120
130
140
150
160
170
180
Right In: 16986.402+/-5.190 χ²/NDF: 1194096.1/15
Left Out: 34760.379+/-7.235 χ²/NDF:3507493.5/20
Right Out: 16181.928+/-4.785 χ²/NDF: 1251495.8/18
Left In: 34184.474+/-8.067 χ²/NDF:3332544.4/18
Left: 34503.651+/-5.386 χ²/NDF: 6842862.6/39
Right: 16551.529+/-3.518 χ²/NDF: 2458578.1/34
In: 22021.691+/-4.365 χ²/NDF:7741106.3/34
Out: 21835.720+/-3.991 χ²/NDF:9346573.6/39
All: 21920.402+/-2.945 χ²/NDF: 17088668.6



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 140.100+/-52.818 χ^2/NDF:7.6/20

Right Out: -143.821+/-68.080 χ^2/NDF: 13.0/18

Left In: 101.651+/-48.155 χ^2/NDF:7.0/18

Left: 119.104+/-35.585 χ^2/NDF: 14.9/39

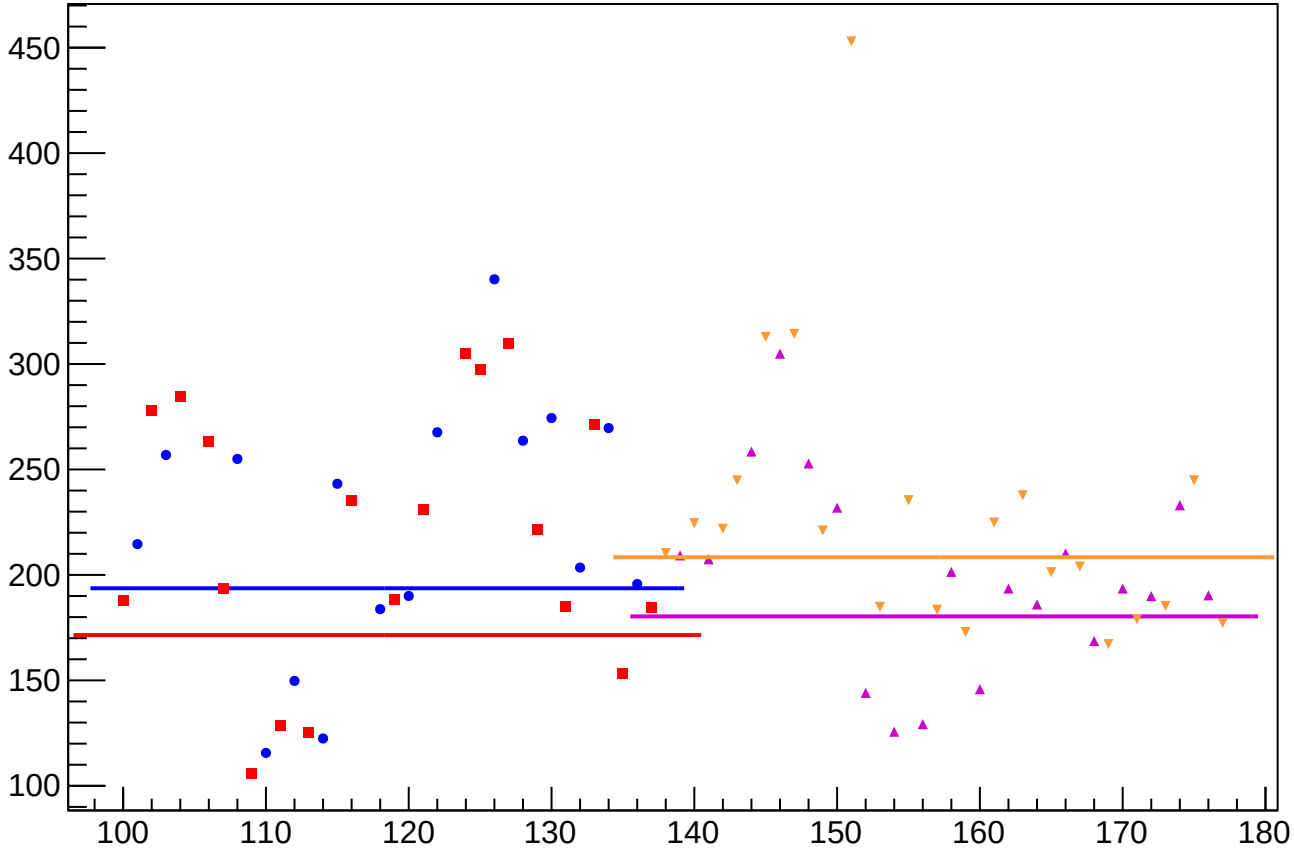
Right: -98.171+/-50.756 χ^2/NDF: 29.5/34

In: 60.893+/-40.701 χ^2/NDF:24.9/34

Out: 33.420+/-41.731 χ^2/NDF:31.5/39

All: 47.500+/-29.137 χ^2/NDF: 56.6/74

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 208.394+/-0.037 χ^2/NDF:1311892.9/20

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

Left In: 180.332+/-0.034 χ^2/NDF:1608671.6/18

Left: 193.070+/-0.025 χ^2/NDF: 3228864.1/39

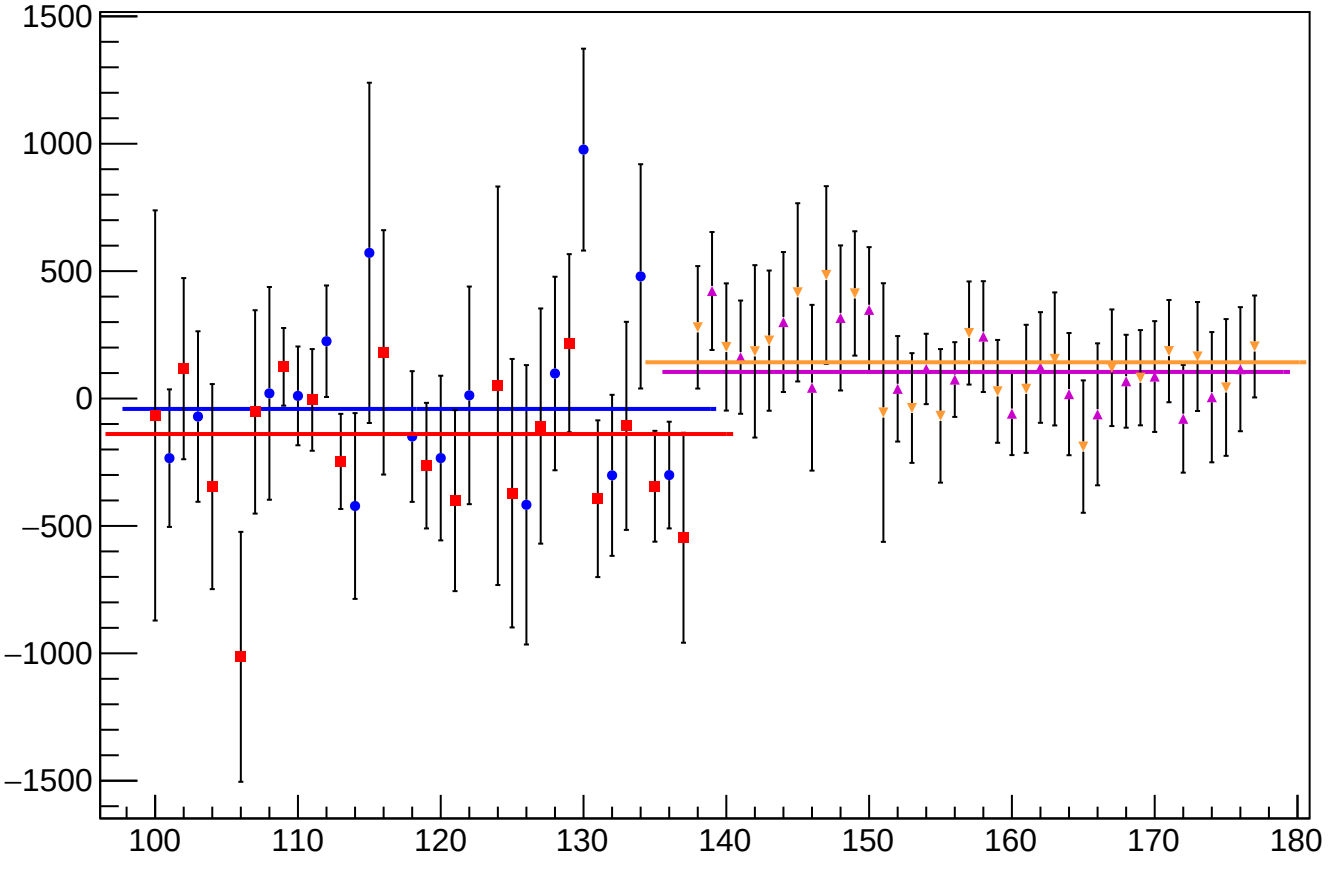
Right: 181.339+/-0.036 χ^2/NDF: 2797109.1/34

In: 184.142+/-0.029 χ^2/NDF:2702271.4/34

Out: 194.526+/-0.030 χ^2/NDF:3331873.1/39

All: 189.204+/-0.021 χ^2/NDF: 6097606.5/74

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 142.289+/-52.991 χ^2/NDF:7.6/20

Right Out: -139.292+/-68.459 χ^2/NDF: 12.9/18

Left In: 104.334+/-48.287 χ^2/NDF:7.1/18

Left: 121.552+/-35.692 χ^2/NDF: 15.0/39

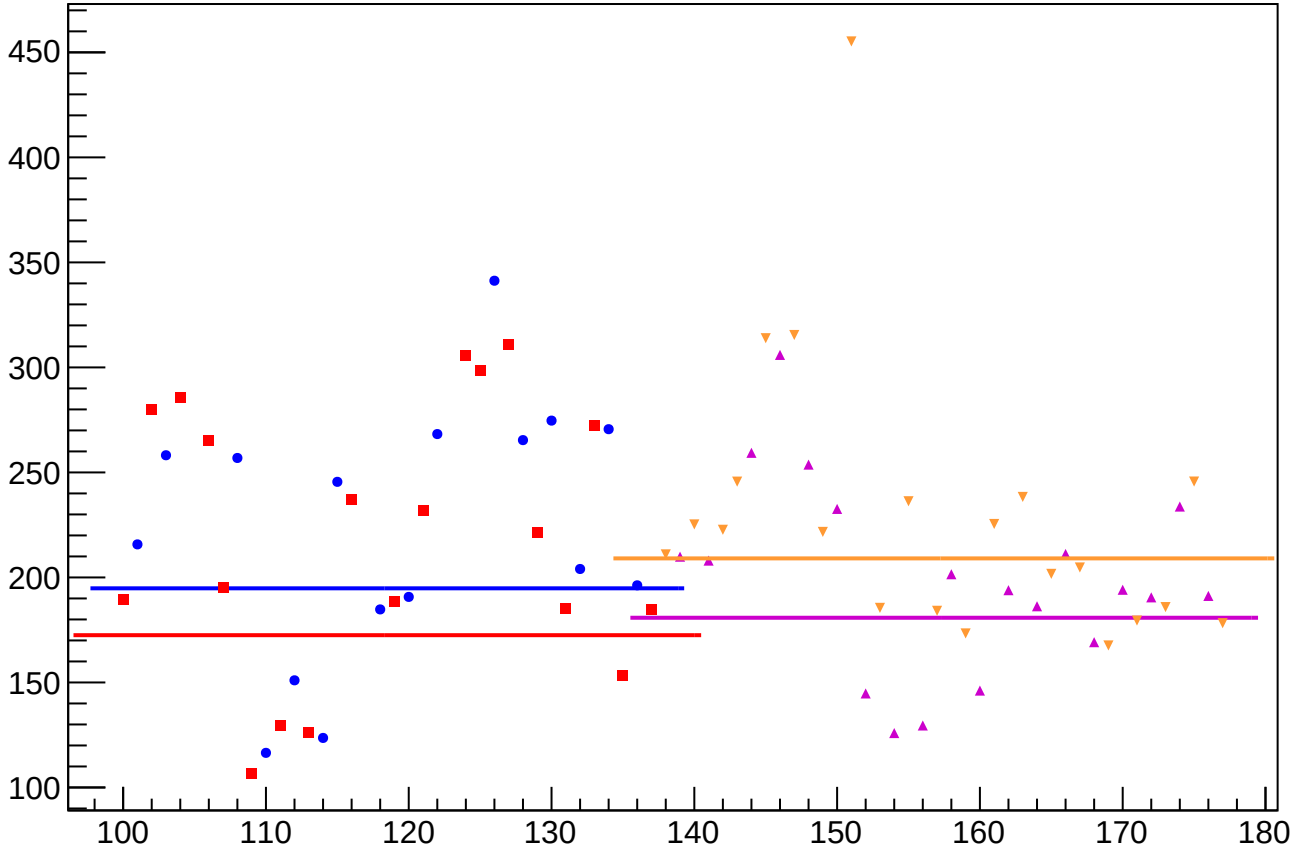
Right: -95.542+/-51.038 χ^2/NDF: 29.2/34

In: 63.046+/-40.845 χ^2/NDF:25.0/34

Out: 36.788+/-41.904 χ^2/NDF:31.1/39

All: 50.253+/-29.249 χ^2/NDF: 56.3/74

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 209.068+/-0.037 χ^2/NDF:1313214.1/20

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

Left In: 180.808+/-0.034 χ^2/NDF:1612691.9/18

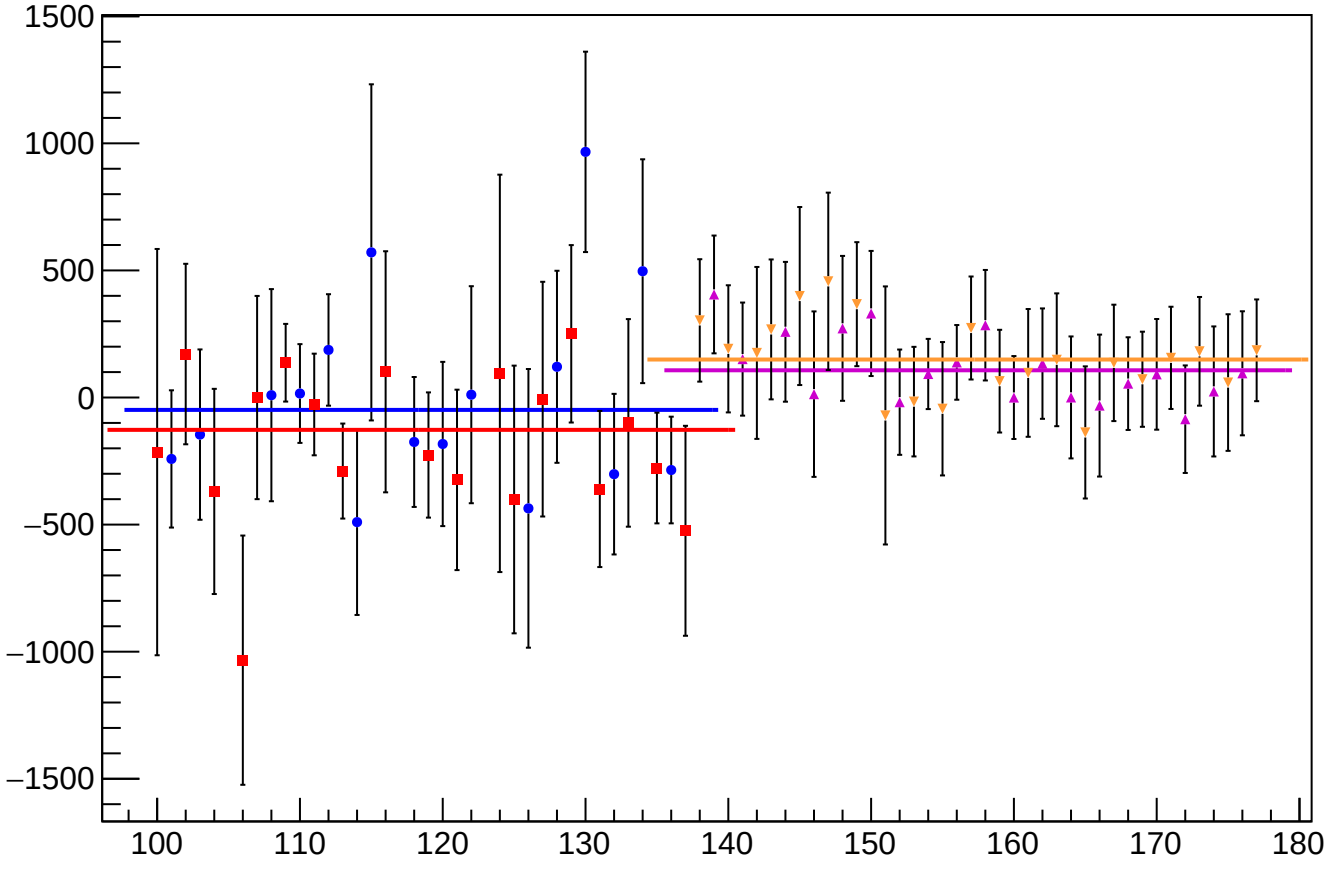
Left: 193.628+/-0.025 χ^2/NDF: 3236675.5/39

Right: 182.418+/-0.036 χ^2/NDF: 2775527.6/34

In: 184.794+/-0.029 χ^2/NDF:2699696.3/34

Out: 195.369+/-0.030 χ^2/NDF:3311982.2/39

All: 189.946+/-0.021 χ^2/NDF: 6077000.9/74



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 149.444+/-53.043 χ^2/NDF:6.2/20

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 107.099+/-48.331 χ^2/NDF:6.2/18

Left: 126.307+/-35.725 χ^2/NDF: 12.8/39

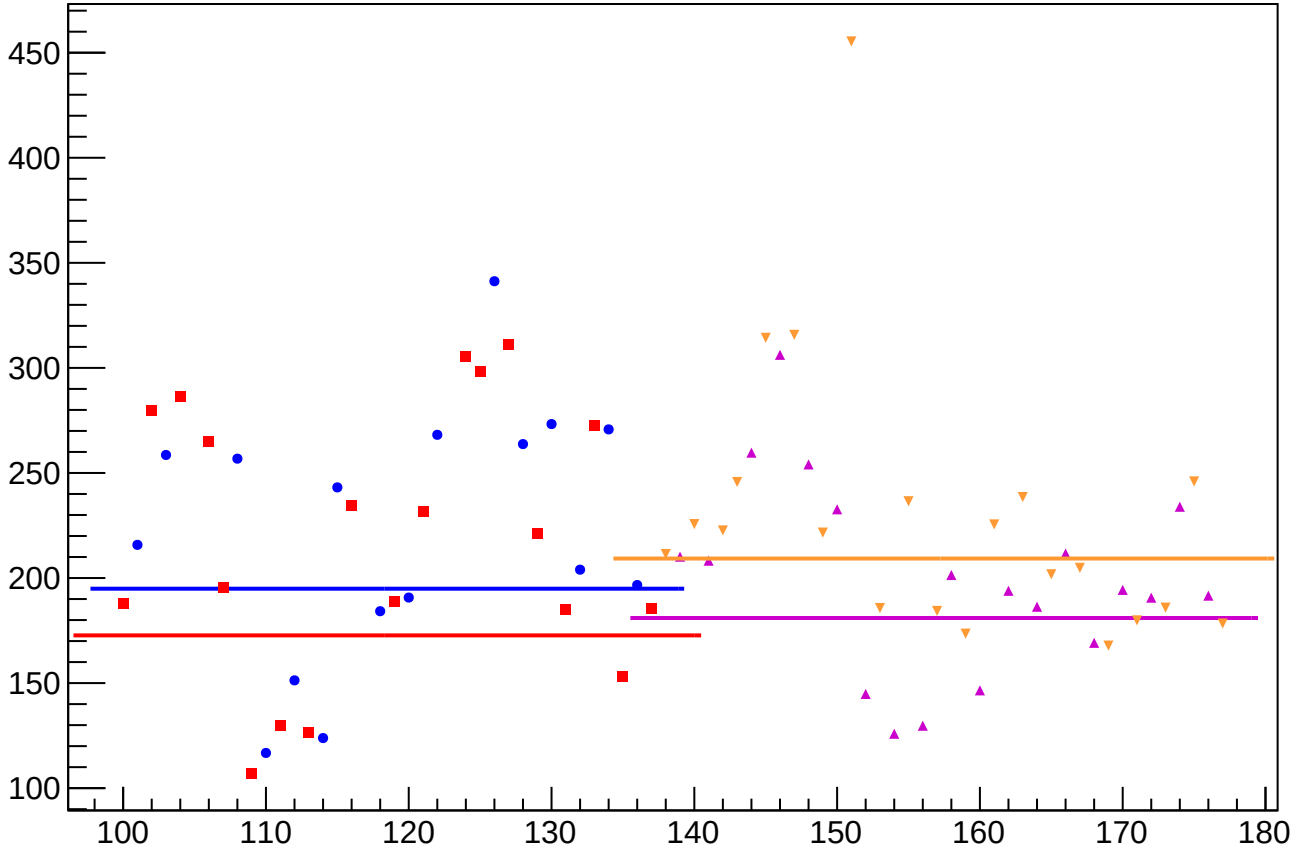
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 62.715+/-40.874 χ^2/NDF:24.6/34

Out: 45.736+/-41.941 χ^2/NDF:29.2/39

All: 54.444+/-29.272 χ^2/NDF: 54.0/74

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 209.279+/-0.038 χ^2/NDF:1311816.0/20

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 180.975+/-0.034 χ^2/NDF:1612561.0/18

Left: 193.814+/-0.025 χ^2/NDF: 3235533.4/39

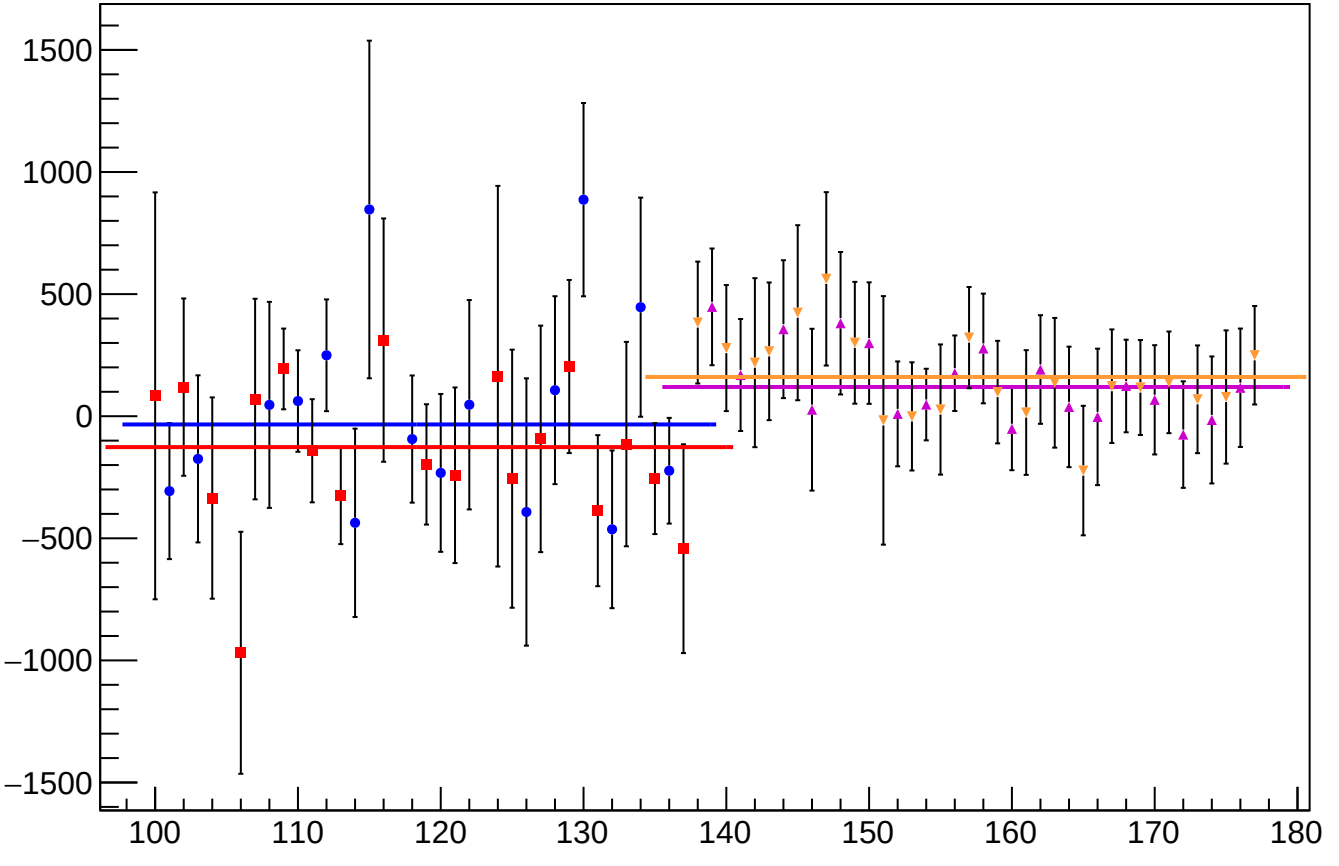
Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 184.947+/-0.029 χ^2/NDF:2688900.8/34

Out: 195.570+/-0.030 χ^2/NDF:3299580.3/39

All: 190.122+/-0.021 χ^2/NDF: 6054293.3/74

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 160.664+/-54.360 χ^2/NDF:7.9/20

Right Out: -126.563+/-71.309 χ^2/NDF: 12.7/18

Left In: 119.713+/-49.951 χ^2/NDF:7.7/18

Left: 138.461+/-36.781 χ^2/NDF: 15.9/39

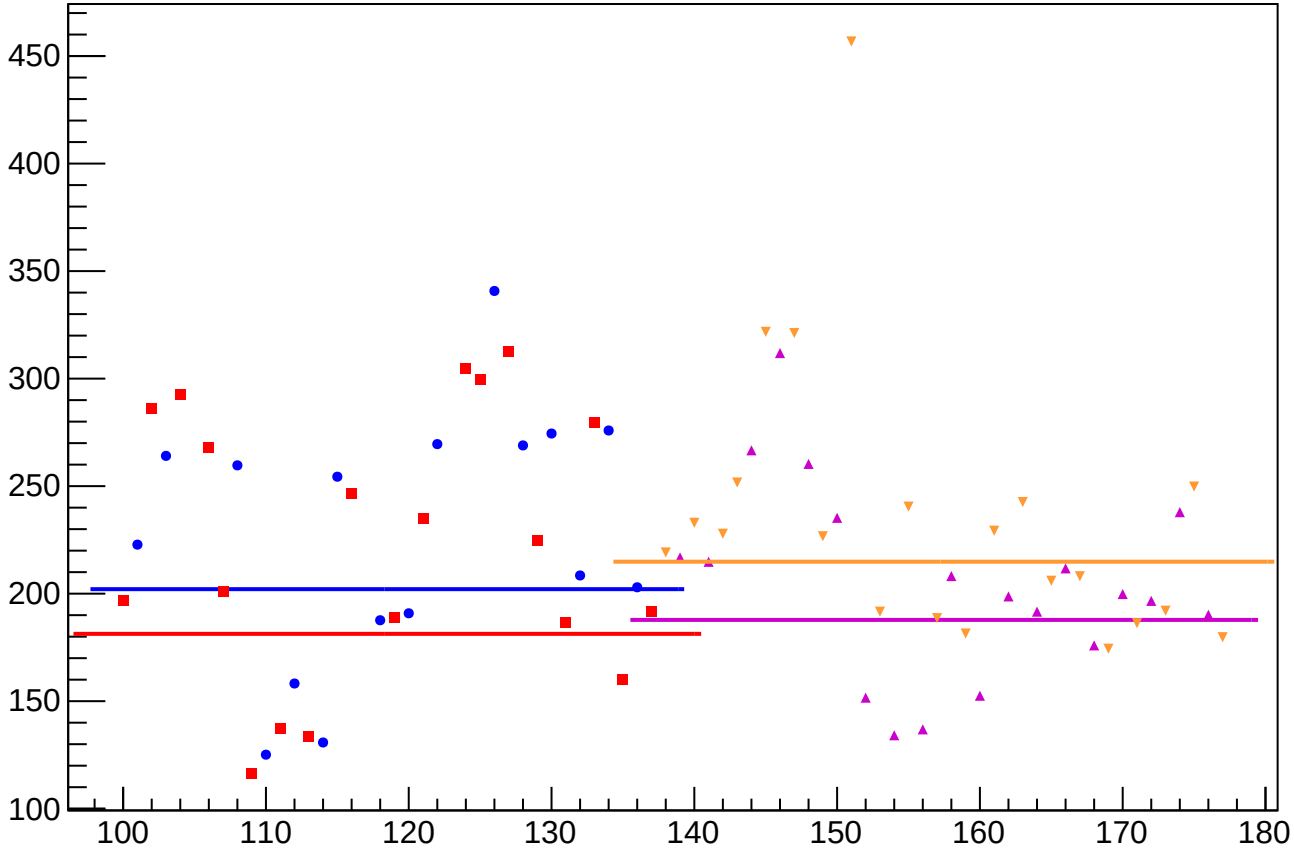
Right: -84.882+/-52.933 χ^2/NDF: 29.2/34

In: 75.885+/-42.219 χ^2/NDF:26.2/34

Out: 55.096+/-43.231 χ^2/NDF:30.8/39

All: 65.737+/-30.205 χ^2/NDF: 57.1/74

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 214.865+/-0.038 χ^2/NDF:1255663.5/20

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

Left In: 187.793+/-0.035 χ^2/NDF:1446047.2/18

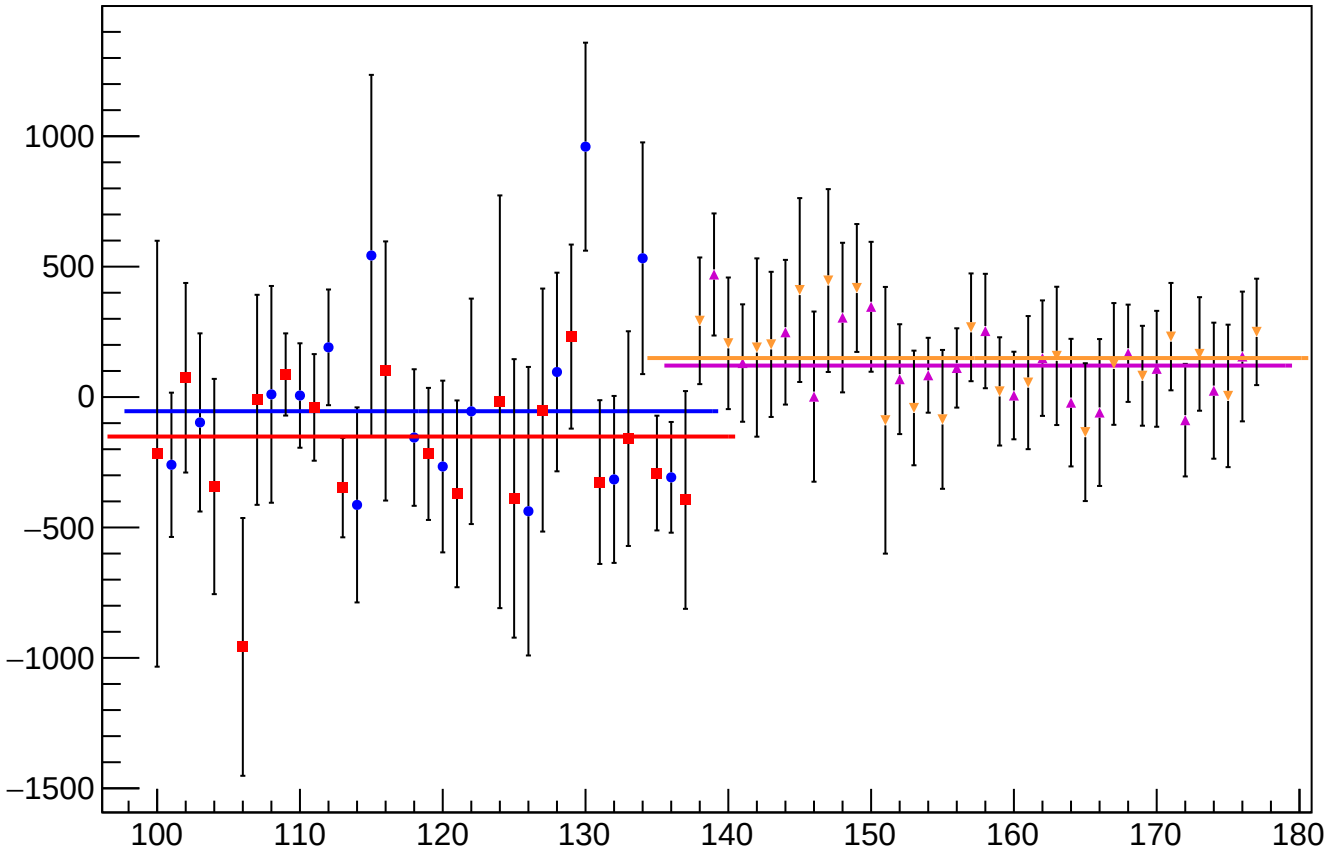
Left: 200.187+/-0.026 χ^2/NDF: 2970643.9/39

Right: 190.641+/-0.037 χ^2/NDF: 2427488.6/34

In: 191.877+/-0.030 χ^2/NDF:2403102.9/34

Out: 202.533+/-0.031 χ^2/NDF:2976697.9/39

All: 197.079+/-0.021 χ^2/NDF: 5441995.7/74



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 149.526+/-53.923 χ^2/NDF:7.5/20

Right Out: -151.358+/-69.902 χ^2/NDF: 10.2/18

Left In: 120.705+/-49.365 χ^2/NDF:6.7/18

Left: 133.846+/-36.411 χ^2/NDF: 14.3/39

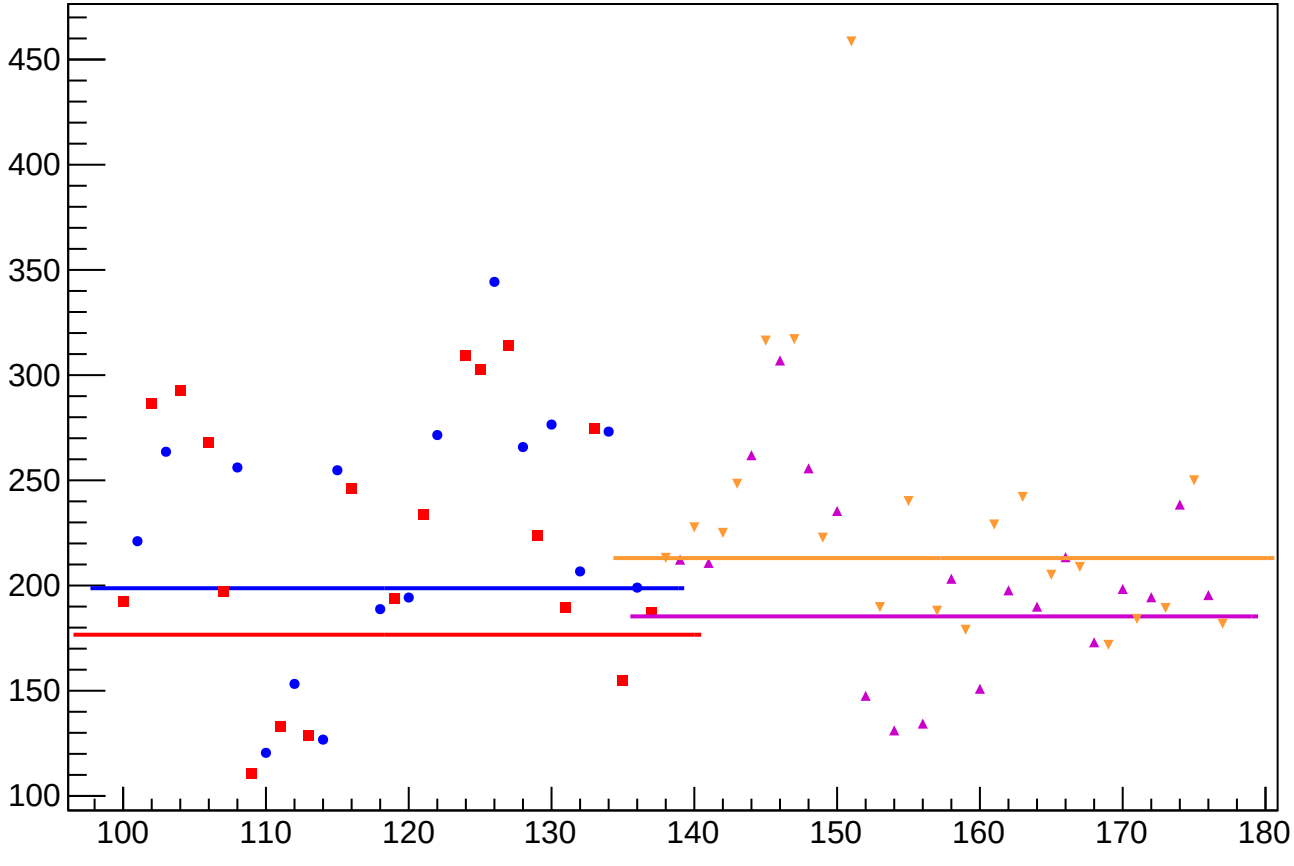
Right: -108.074+/-52.040 χ^2/NDF: 26.2/34

In: 70.618+/-41.705 χ^2/NDF:25.4/34

Out: 37.275+/-42.696 χ^2/NDF:29.3/39

All: 54.338+/-29.834 χ^2/NDF: 55.0/74

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 213.040+/-0.038 χ^2/NDF:1254069.6/20

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

Left In: 185.339+/-0.035 χ^2/NDF:1487225.5/18

Left: 197.970+/-0.026 χ^2/NDF: 3028458.2/39

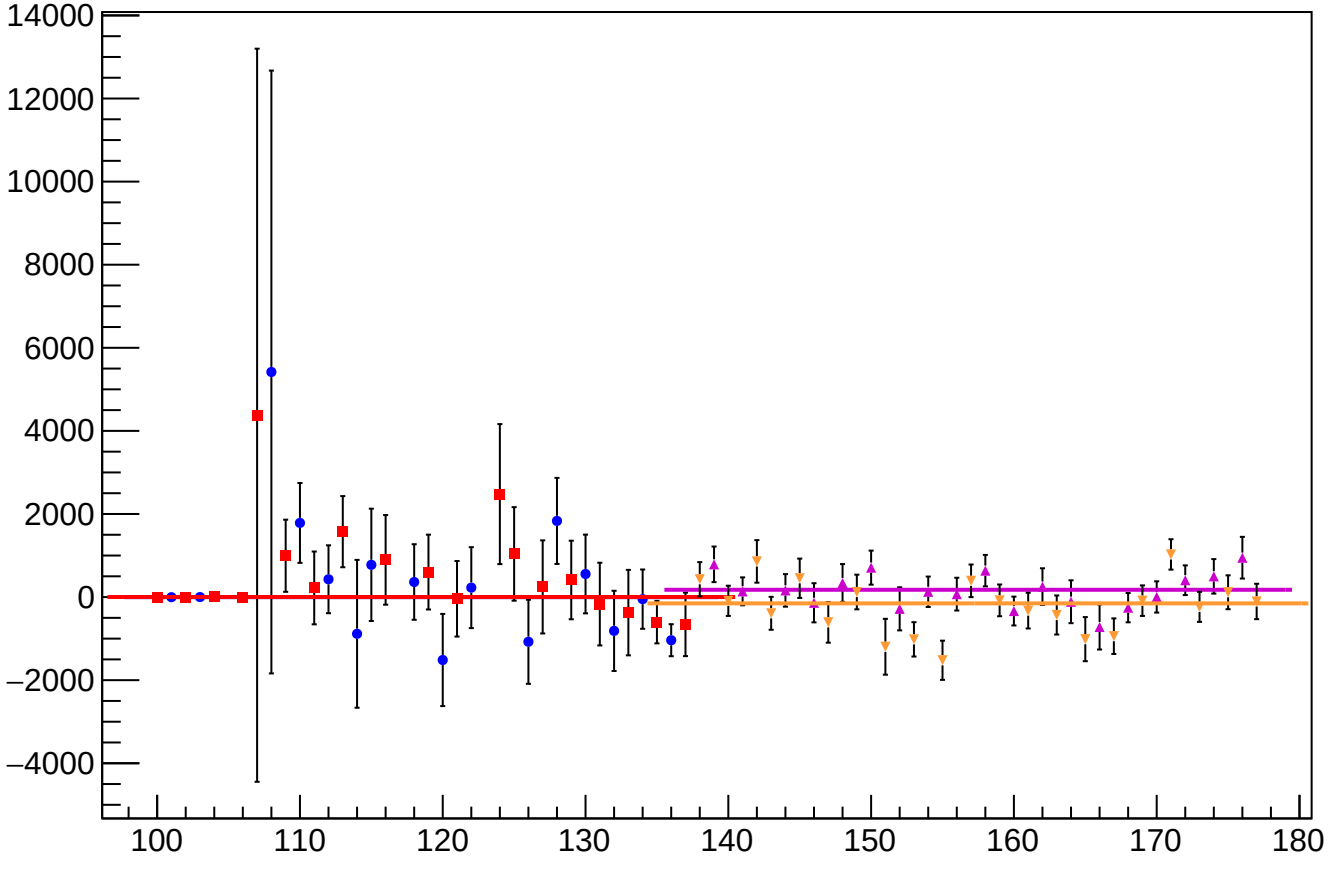
Right: 186.471+/-0.037 χ^2/NDF: 2678866.0/34

In: 189.169+/-0.029 χ^2/NDF:2523355.1/34

Out: 199.454+/-0.030 χ^2/NDF:3190130.7/39

All: 194.191+/-0.021 χ^2/NDF: 5772872.5/74

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: -151.439+/-92.491 χ^2/NDF:43.8/20

Right Out: 1.377+/-2.022 χ^2/NDF: 16.8/18

Left In: 175.636+/-93.653 χ^2/NDF:17.0/18

Left: 10.057+/-65.808 χ^2/NDF: 67.0/39

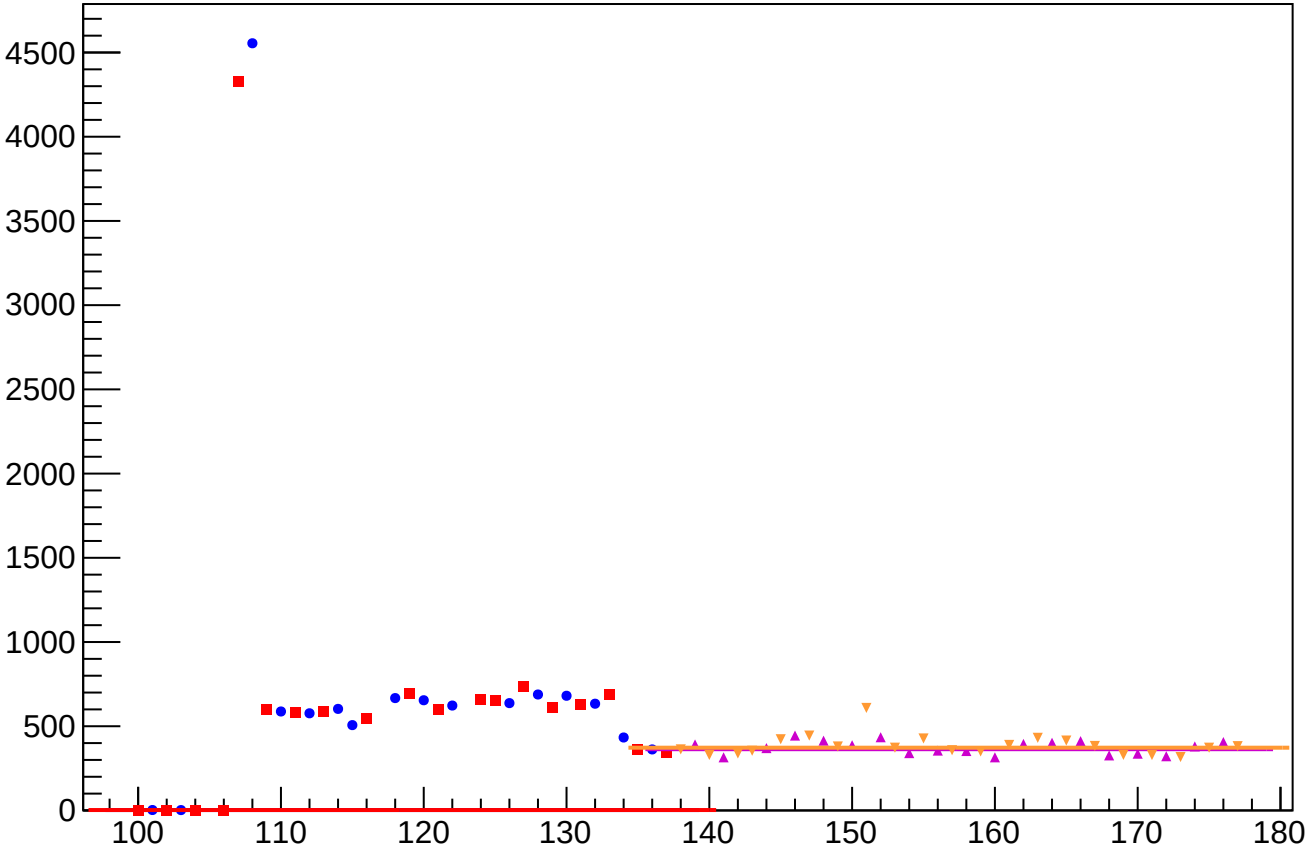
Right: 0.162+/-1.480 χ^2/NDF: 37.5/34

In: -1.144+/-2.170 χ^2/NDF:40.5/34

Out: 1.304+/-2.022 χ^2/NDF:63.4/39

All: 0.167+/-1.479 χ^2/NDF: 104.6/74

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 372.598+/-0.065 χ^2/NDF:543309.4/20

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

Left In: 363.741+/-0.066 χ^2/NDF:340207.2/18

Left: 368.225+/-0.047 χ^2/NDF: 892572.8/39

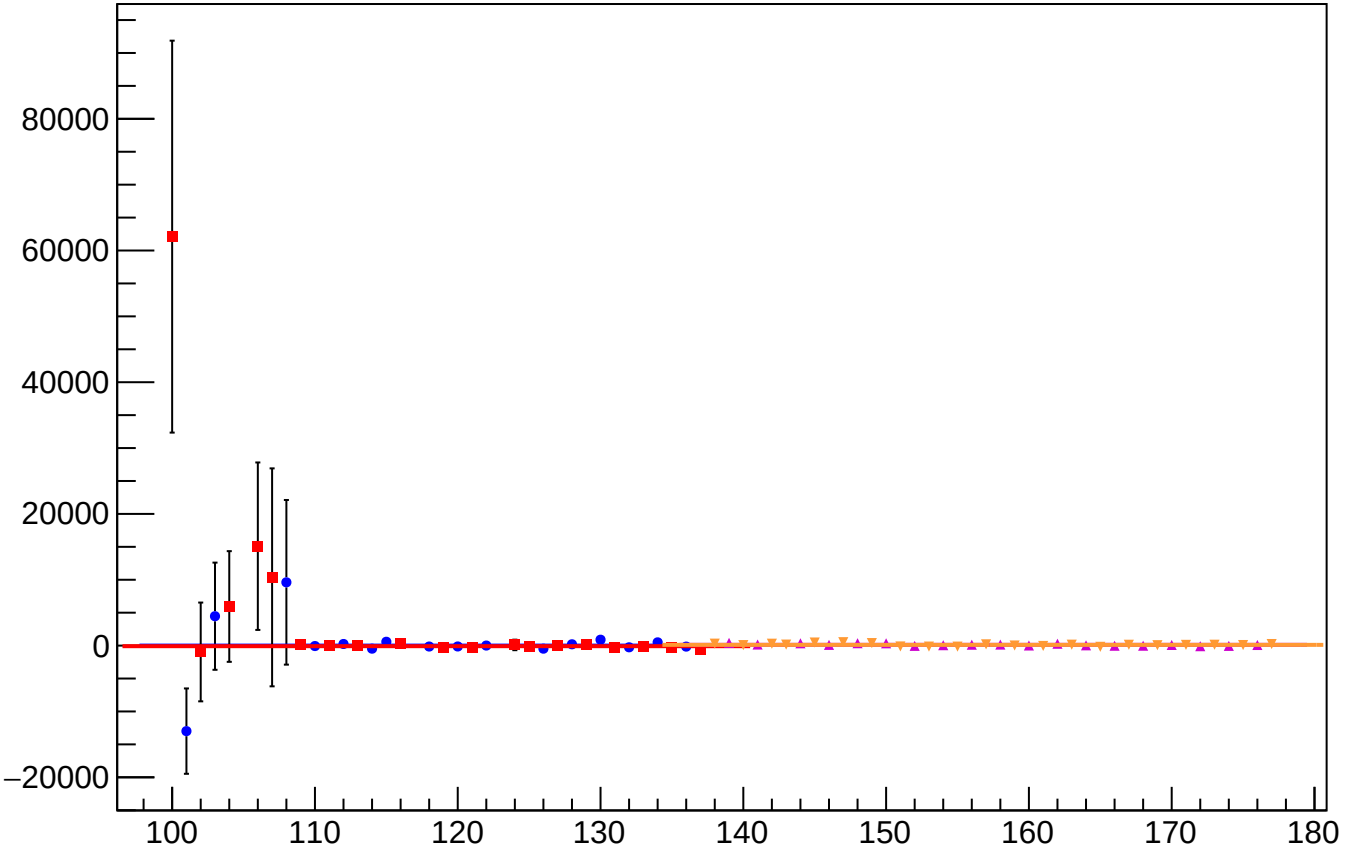
Right: 2.469+/-0.001 χ^2/NDF: 23171686.0/34

In: 2.671+/-0.002 χ^2/NDF:41710921.5/34

Out: 2.639+/-0.001 χ^2/NDF:44103434.9/39

All: 2.654+/-0.001 χ^2/NDF: 85814584.1/74

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 112.900+/-55.593 χ^2/NDF:8.8/20

Right Out: -88.089+/-81.605 χ^2/NDF: 14.9/18

Left In: 114.861+/-52.079 χ^2/NDF:7.2/18

Left: 113.944+/-38.007 χ^2/NDF: 16.0/39

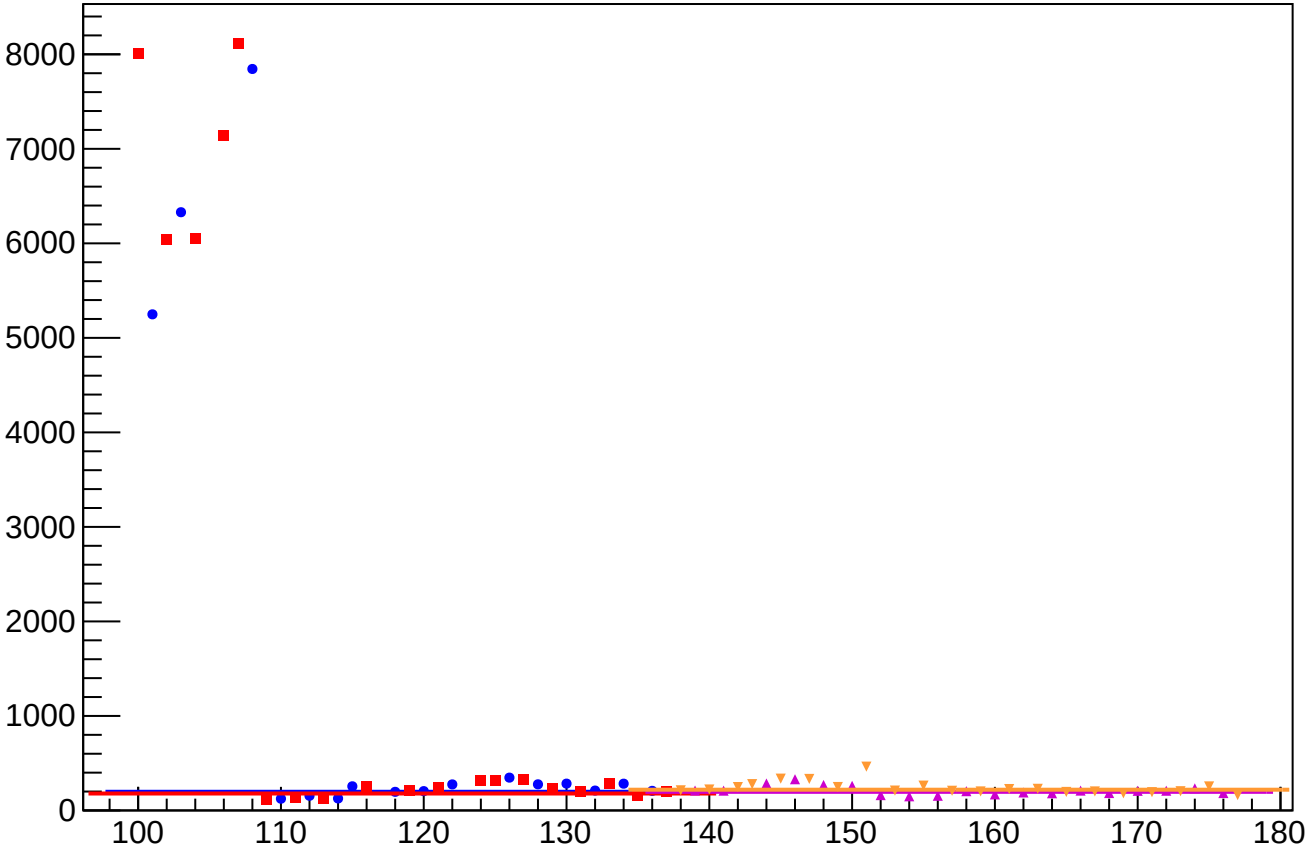
Right: -47.007+/-59.781 χ^2/NDF: 32.3/34

In: 85.128+/-44.795 χ^2/NDF:25.3/34

Out: 49.190+/-45.945 χ^2/NDF:27.8/39

All: 67.614+/-32.074 χ^2/NDF: 53.4/74

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 219.500+/-0.039 χ^2/NDF:1377635.8/20

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

Left In: 196.985+/-0.037 χ^2/NDF:1143064.5/18

Left: 207.508+/-0.027 χ^2/NDF: 2695428.9/39

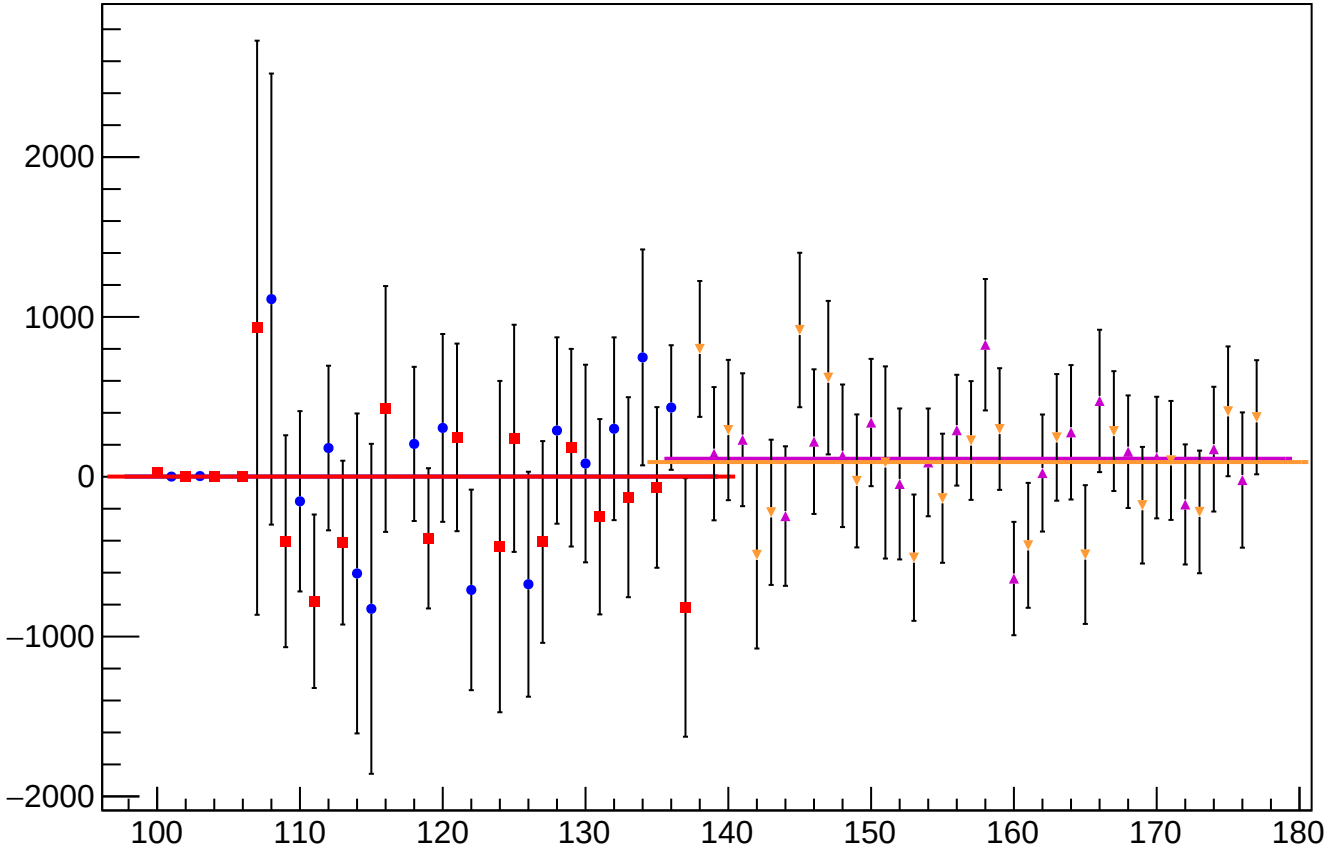
Right: 187.761+/-0.042 χ^2/NDF: 8422574.8/34

In: 197.150+/-0.032 χ^2/NDF:5100334.5/34

Out: 206.742+/-0.032 χ^2/NDF:6128390.8/39

All: 201.824+/-0.023 χ^2/NDF: 11273413.2/74

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 91.935+/-90.132 χ^2/NDF:18.1/20

Right Out: 1.094+/-1.528 χ^2/NDF: 9.2/18

Left In: 112.669+/-90.975 χ^2/NDF:10.6/18

Left: 102.205+/-64.029 χ^2/NDF: 28.7/39

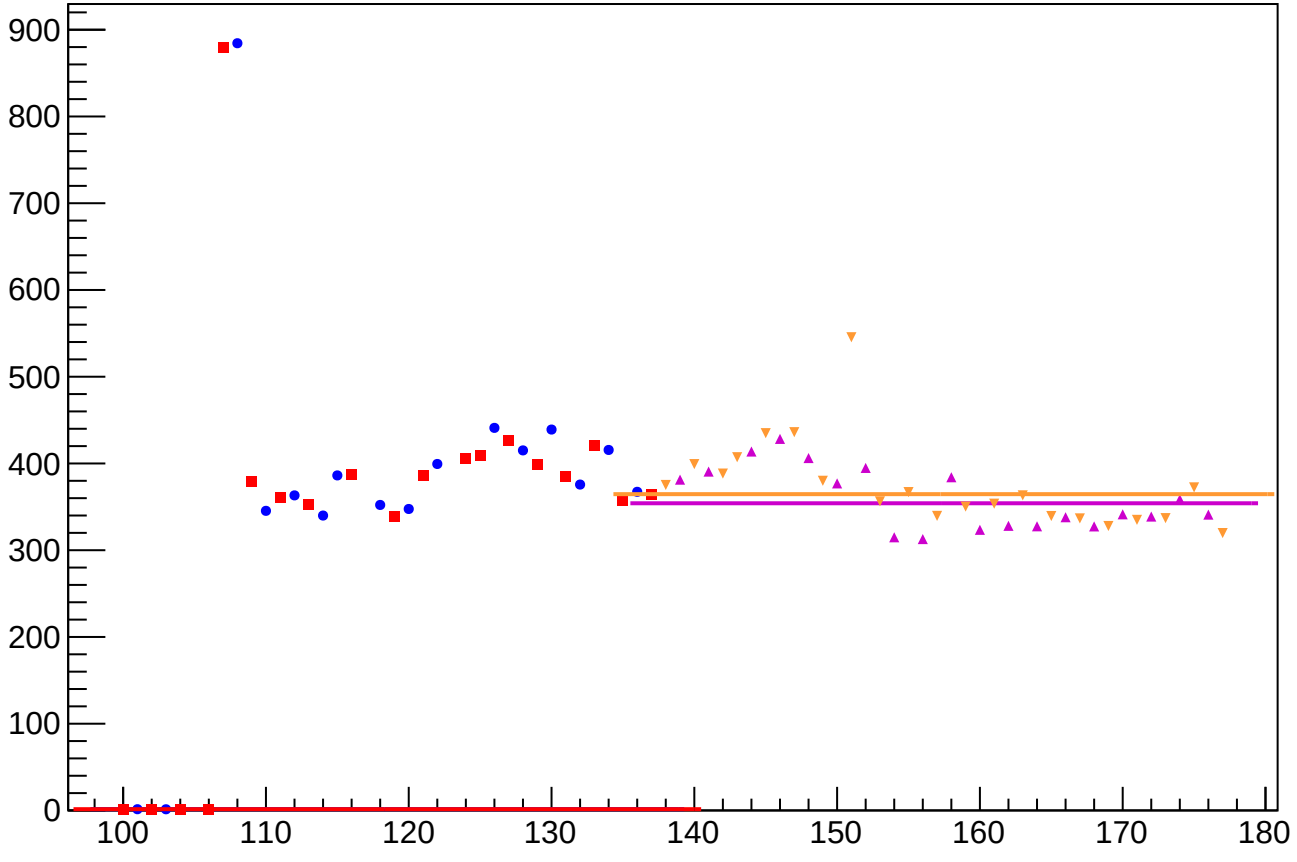
Right: 1.260+/-1.124 χ^2/NDF: 17.1/34

In: 1.493+/-1.660 χ^2/NDF:20.0/34

Out: 1.120+/-1.528 χ^2/NDF:28.3/39

All: 1.291+/-1.124 χ^2/NDF: 48.3/74

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 364.625+/-0.064 χ^2/NDF:412826.0/20

Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

Left In: 354.118+/-0.064 χ^2/NDF:284769.8/18

Left: 359.420+/-0.045 χ^2/NDF: 711059.1/39

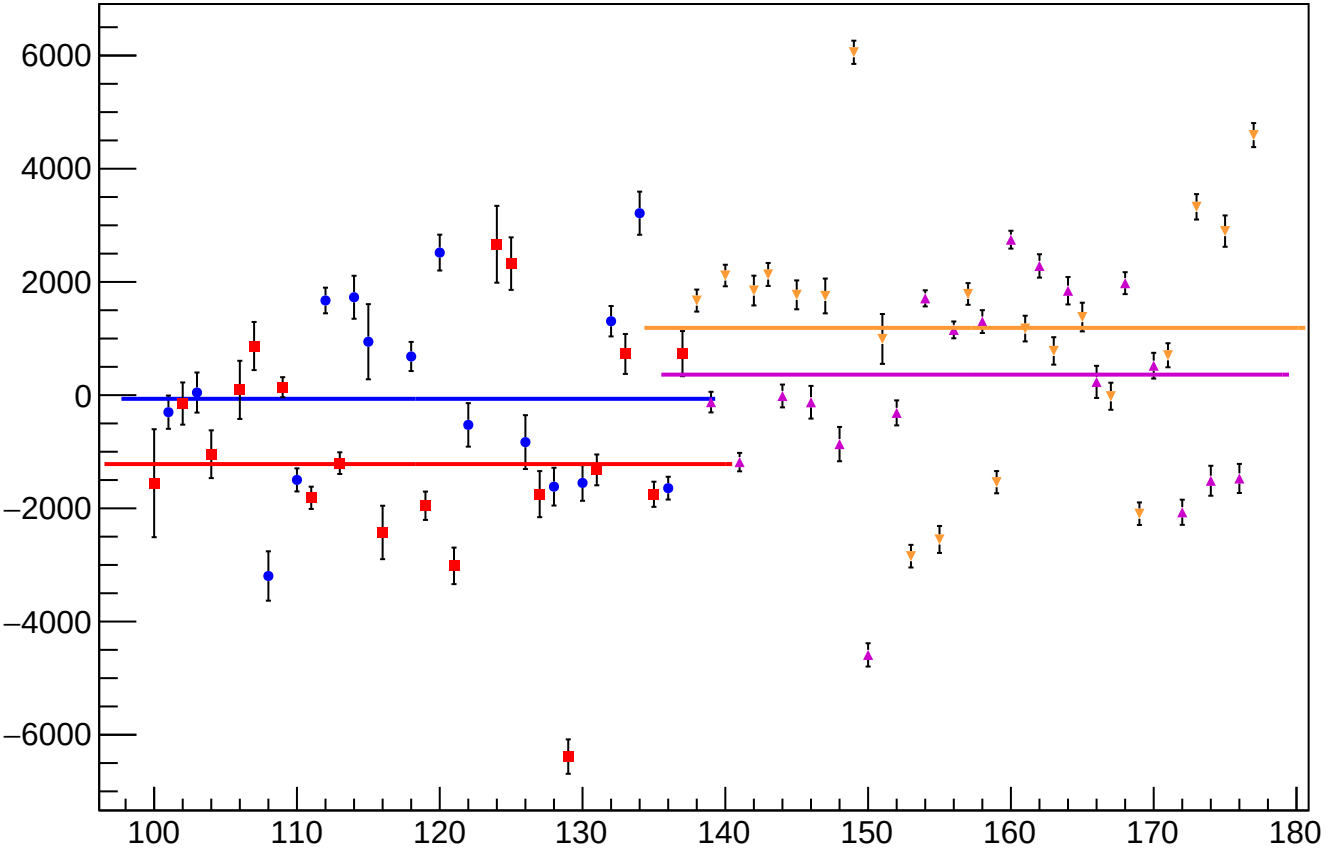
Right: 1.469+/-0.001 χ^2/NDF: 23005768.2/34

In: 1.588+/-0.001 χ^2/NDF:42061909.2/34

Out: 1.571+/-0.001 χ^2/NDF:44142660.0/39

All: 1.579+/-0.001 χ^2/NDF: 86204671.3/74

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 1188.792+/-49.071 χ^2/NDF:2177.7/20

Right Out: -1217.846+/-69.022 χ^2/NDF: 594.6/18

Left In: 362.510+/-46.262 χ^2/NDF:1489.5/18

Left: 751.323+/-33.662 χ^2/NDF: 3817.3/39

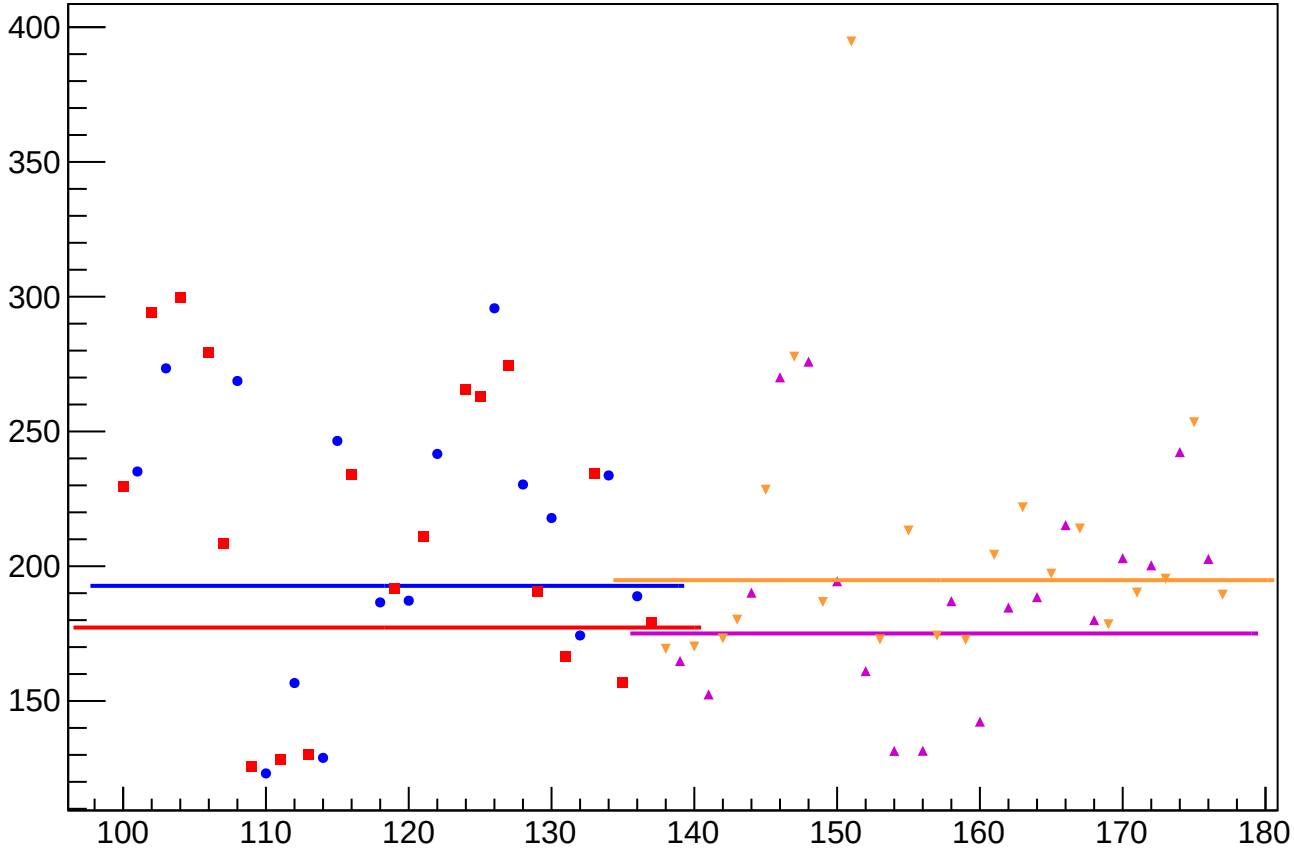
Right: -688.385+/-50.755 χ^2/NDF: 1192.2/34

In: 244.445+/-39.359 χ^2/NDF:1982.5/34

Out: 380.769+/-39.994 χ^2/NDF:3579.9/39

All: 311.516+/-28.053 χ^2/NDF: 5568.3/74

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 194.829+/-0.035 χ^2/NDF:917521.7/20

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

Left In: 175.052+/-0.033 χ^2/NDF:1231088.0/18

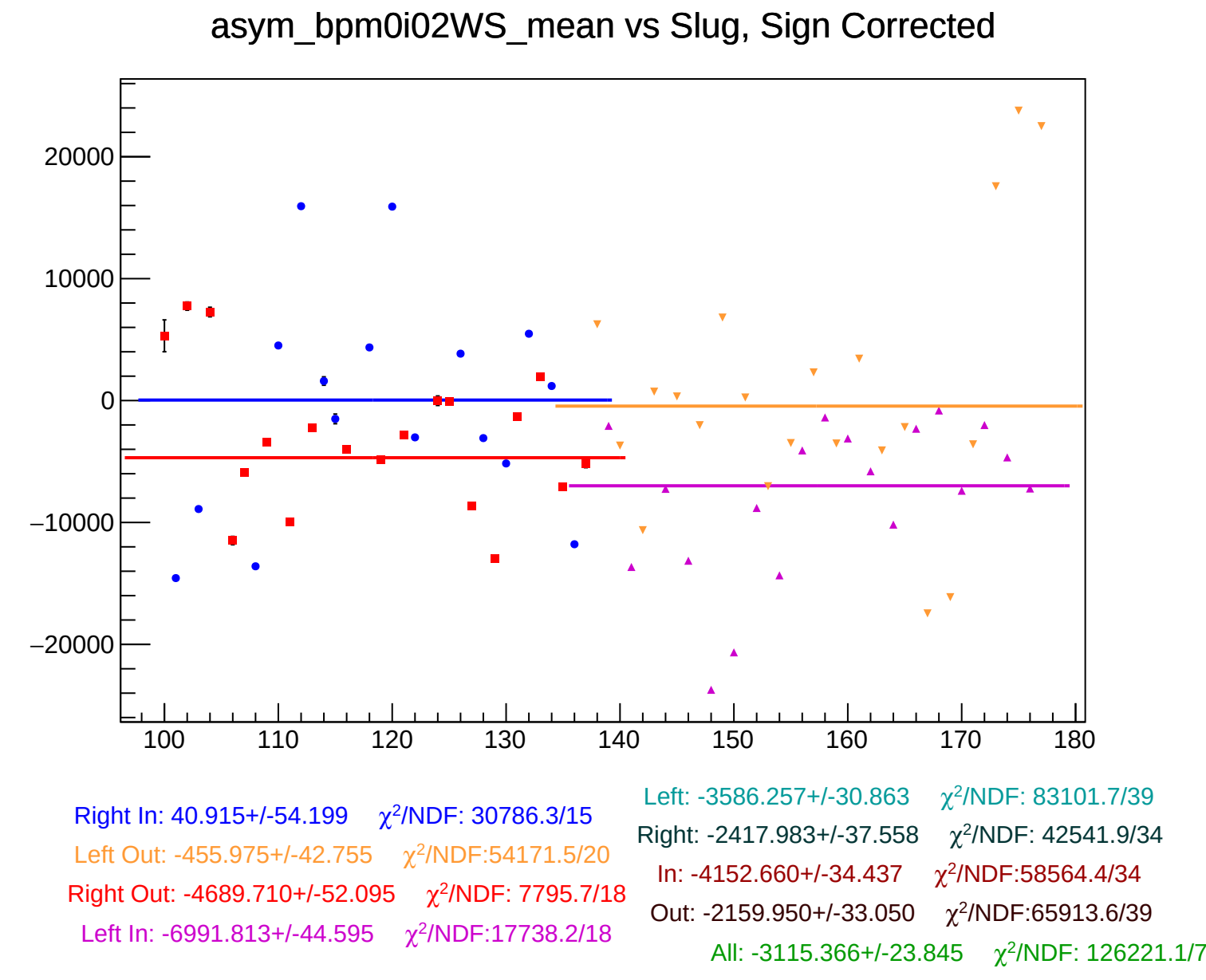
Left: 184.358+/-0.024 χ^2/NDF: 2320591.8/39

Right: 184.355+/-0.036 χ^2/NDF: 2031455.3/34

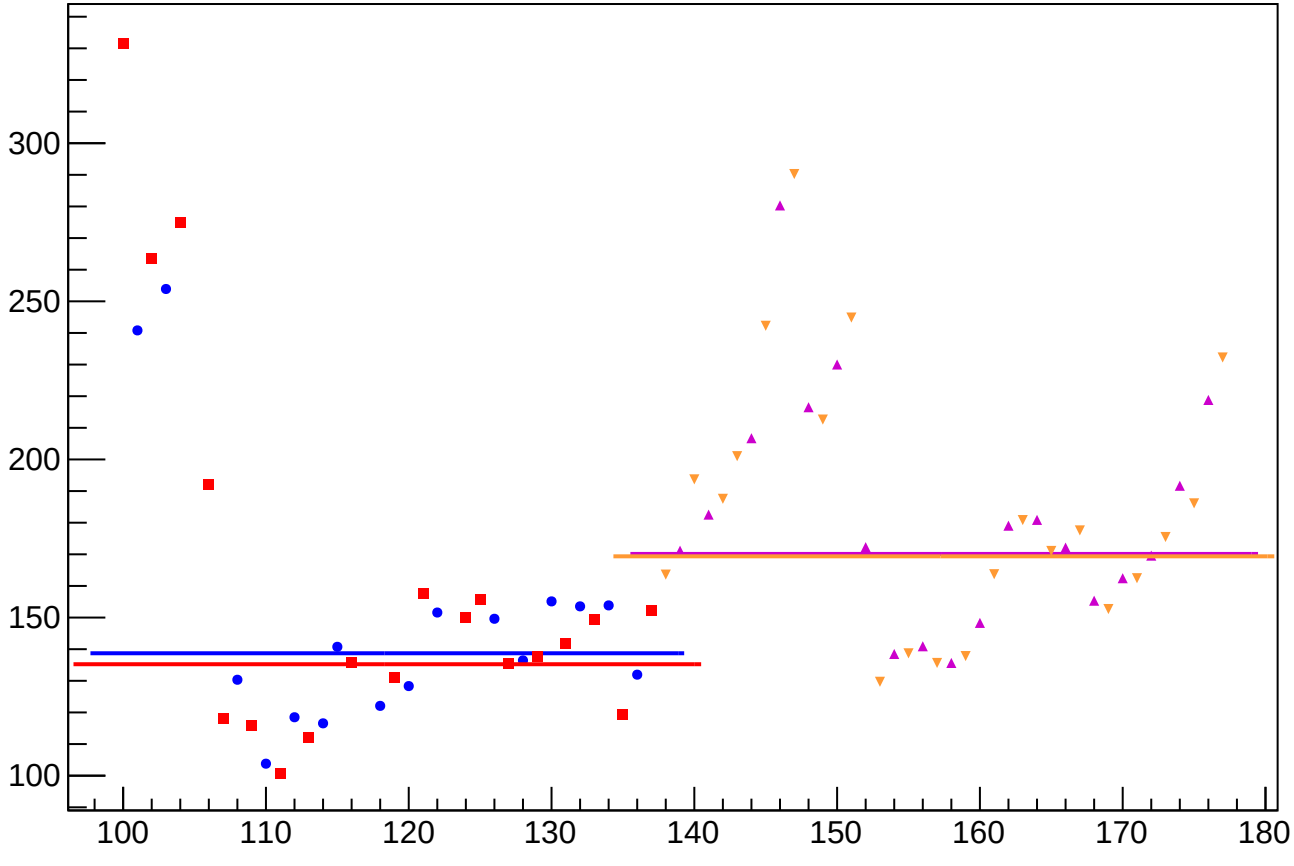
In: 179.932+/-0.028 χ^2/NDF:2070784.6/34

Out: 188.927+/-0.028 χ^2/NDF:2229861.2/39

All: 184.357+/-0.020 χ^2/NDF: 4352047.1/74


asym_bpm0i02WS_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: 40.915+/-54.199 χ²/NDF: 30786.3/15
Left Out: -455.975+/-42.755 χ²/NDF:54171.5/20
Right Out: -4689.710+/-52.095 χ²/NDF: 7795.7/18
Left In: -6991.813+/-44.595 χ²/NDF:17738.2/18
Left: -3586.257+/-30.863 χ²/NDF: 83101.7/39
Right: -2417.983+/-37.558 χ²/NDF: 42541.9/34
In: -4152.660+/-34.437 χ²/NDF:58564.4/34
Out: -2159.950+/-33.050 χ²/NDF:65913.6/39
All: -3115.366+/-23.845 χ²/NDF: 126221.1/7

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 169.364+/-0.030 χ^2/NDF:1299869.0/20

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 170.120+/-0.032 χ^2/NDF:951737.9/18

Left: 169.726+/-0.022 χ^2/NDF: 2251906.7/39

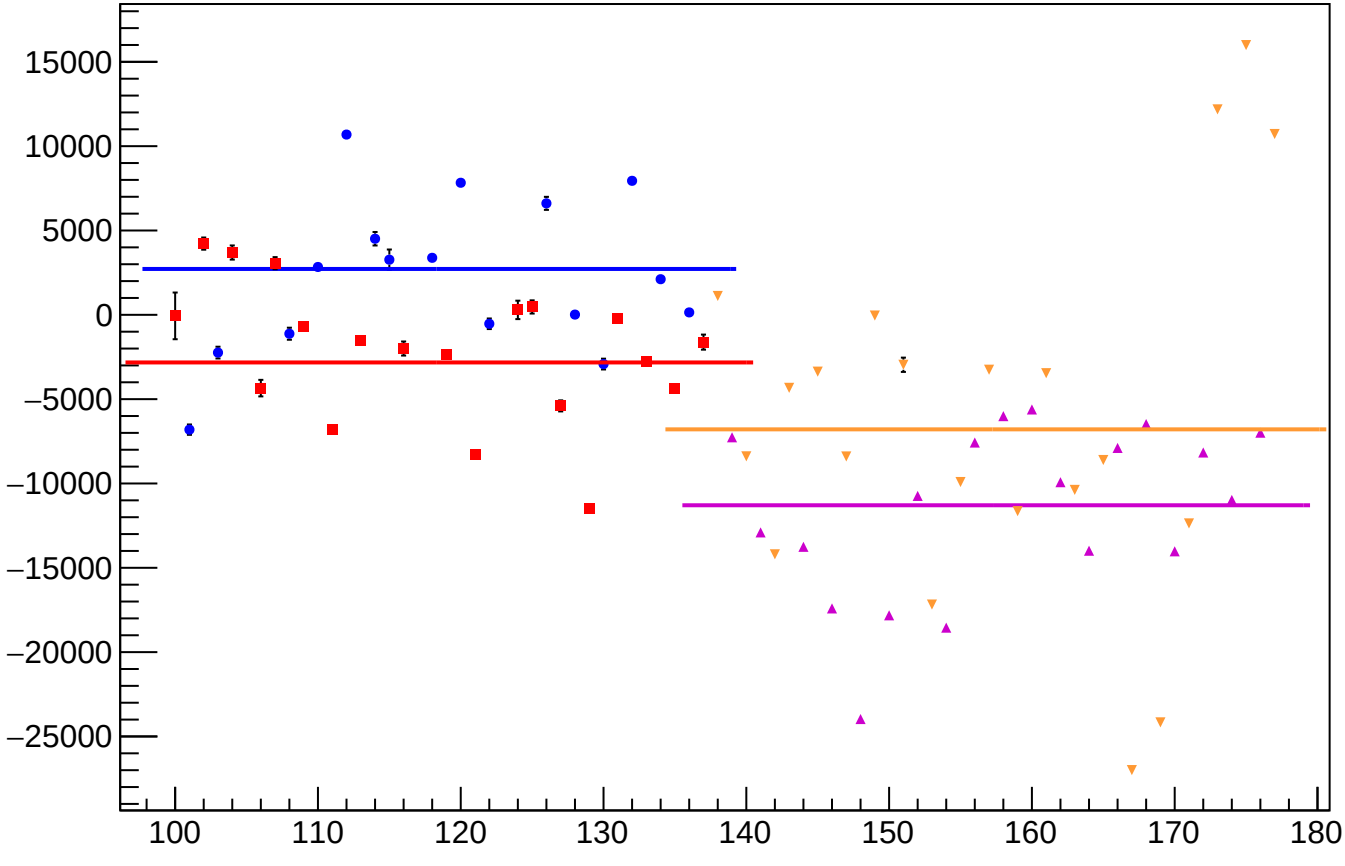
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 157.441+/-0.024 χ^2/NDF:2010028.3/34

Out: 155.632+/-0.023 χ^2/NDF:2702491.2/39

All: 156.499+/-0.017 χ^2/NDF: 4715391.3/74

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -6790.881+/-49.614 χ^2/NDF:45703.1/20

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -11291.807+/-47.500 χ^2/NDF:10841.7/18

Left: -9139.271+/-34.310 χ^2/NDF: 60838.9/39

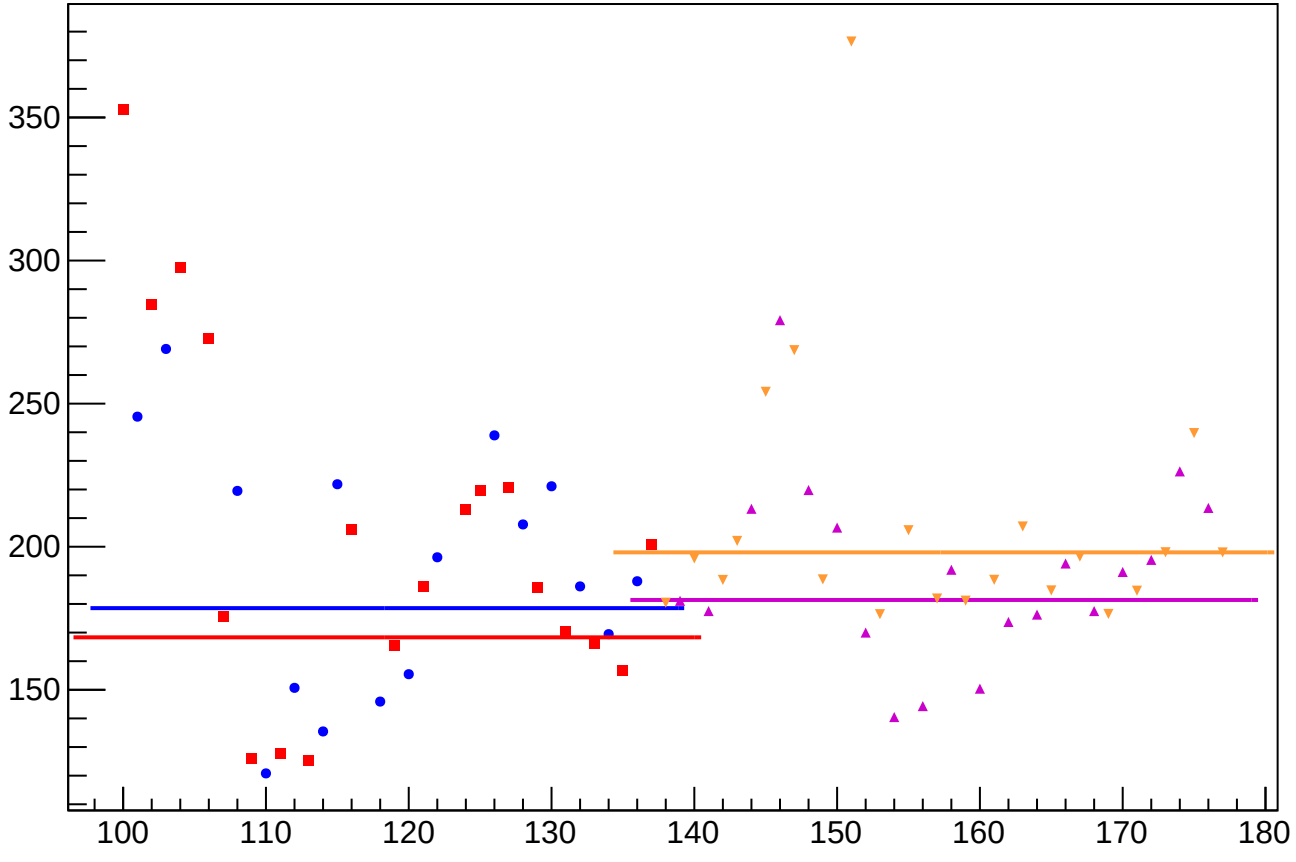
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -6808.465+/-39.170 χ^2/NDF:42813.5/34

Out: -5326.163+/-39.404 χ^2/NDF:51126.6/39

All: -6071.733+/-27.780 χ^2/NDF: 94651.8/74

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 198.027+/-0.035 χ^2/NDF:716878.9/20

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 181.391+/-0.034 χ^2/NDF:780519.3/18

Left: 189.347+/-0.024 χ^2/NDF: 1614732.1/39

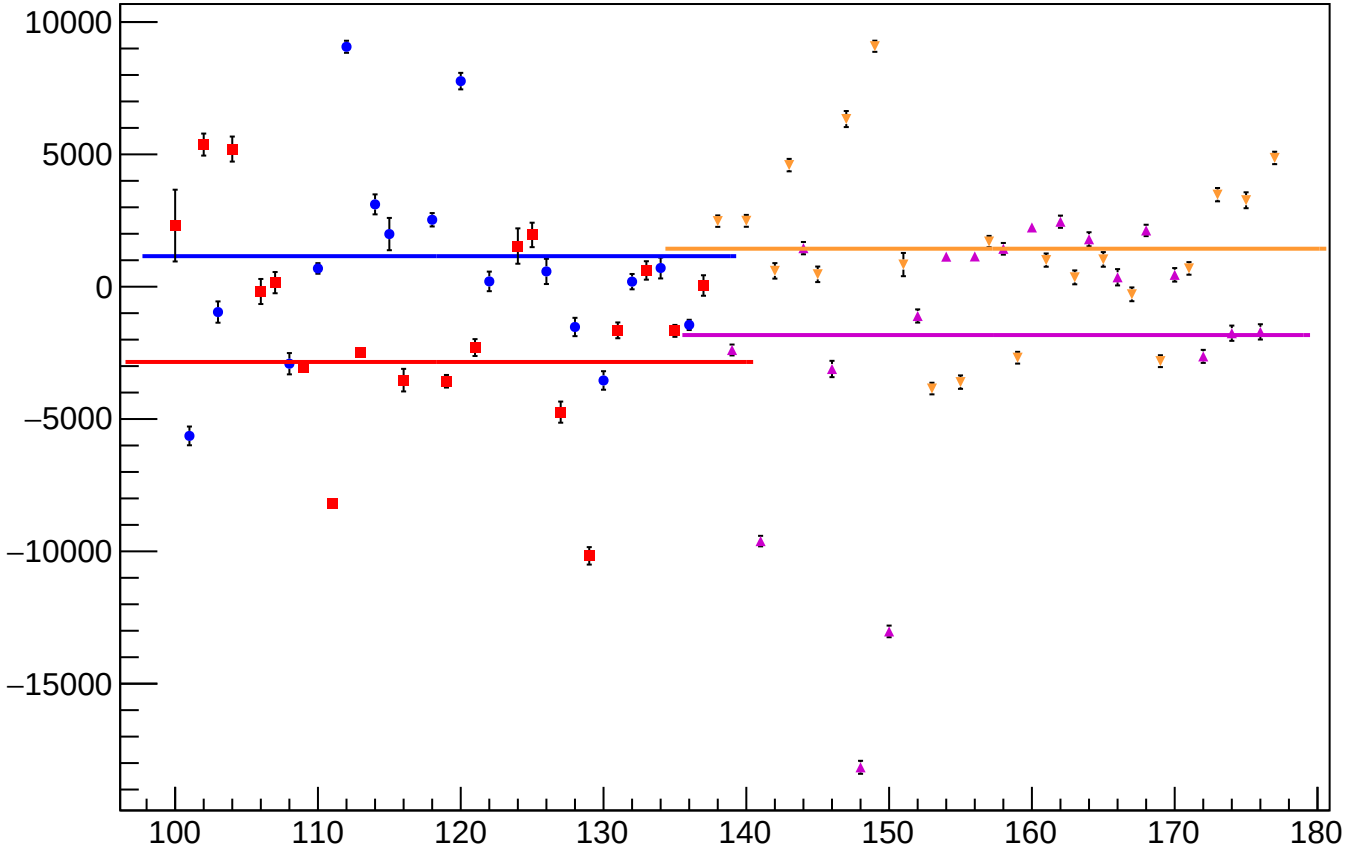
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 180.479+/-0.028 χ^2/NDF:1457388.9/34

Out: 187.065+/-0.028 χ^2/NDF:1960848.3/39

All: 183.752+/-0.020 χ^2/NDF: 3446336.3/74

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1435.579+/-54.270 χ^2/NDF:3887.2/20

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -1827.108+/-51.942 χ^2/NDF:11093.3/18

Left: -267.270+/-37.525 χ^2/NDF: 16866.9/39

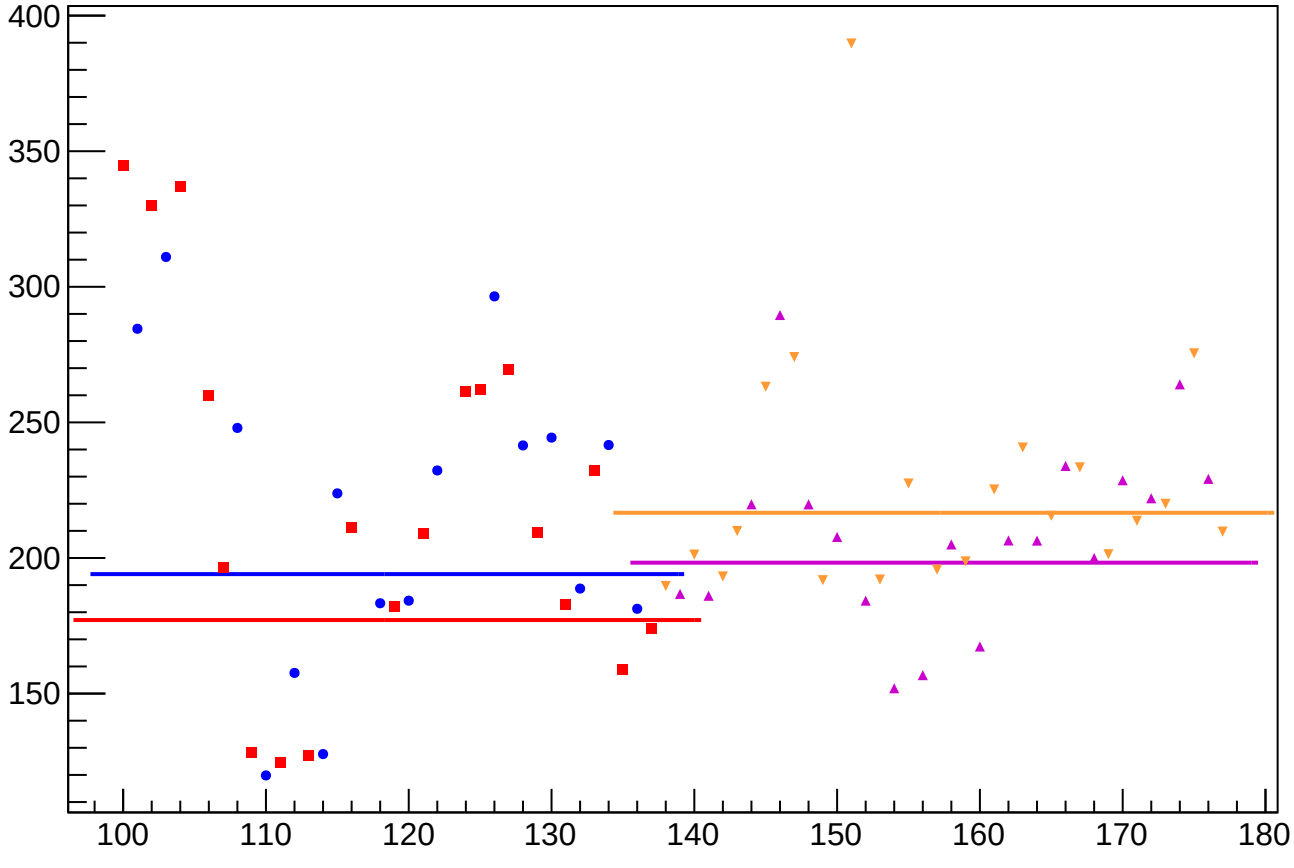
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -877.304+/-42.875 χ^2/NDF:14798.1/34

Out: -195.938+/-42.690 χ^2/NDF:8710.9/39

All: -535.143+/-30.252 χ^2/NDF: 23635.8/74

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 216.667+/-0.038 χ^2/NDF:690691.6/20

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 198.270+/-0.037 χ^2/NDF:763146.2/18

Left: 207.065+/-0.027 χ^2/NDF: 1573787.0/39

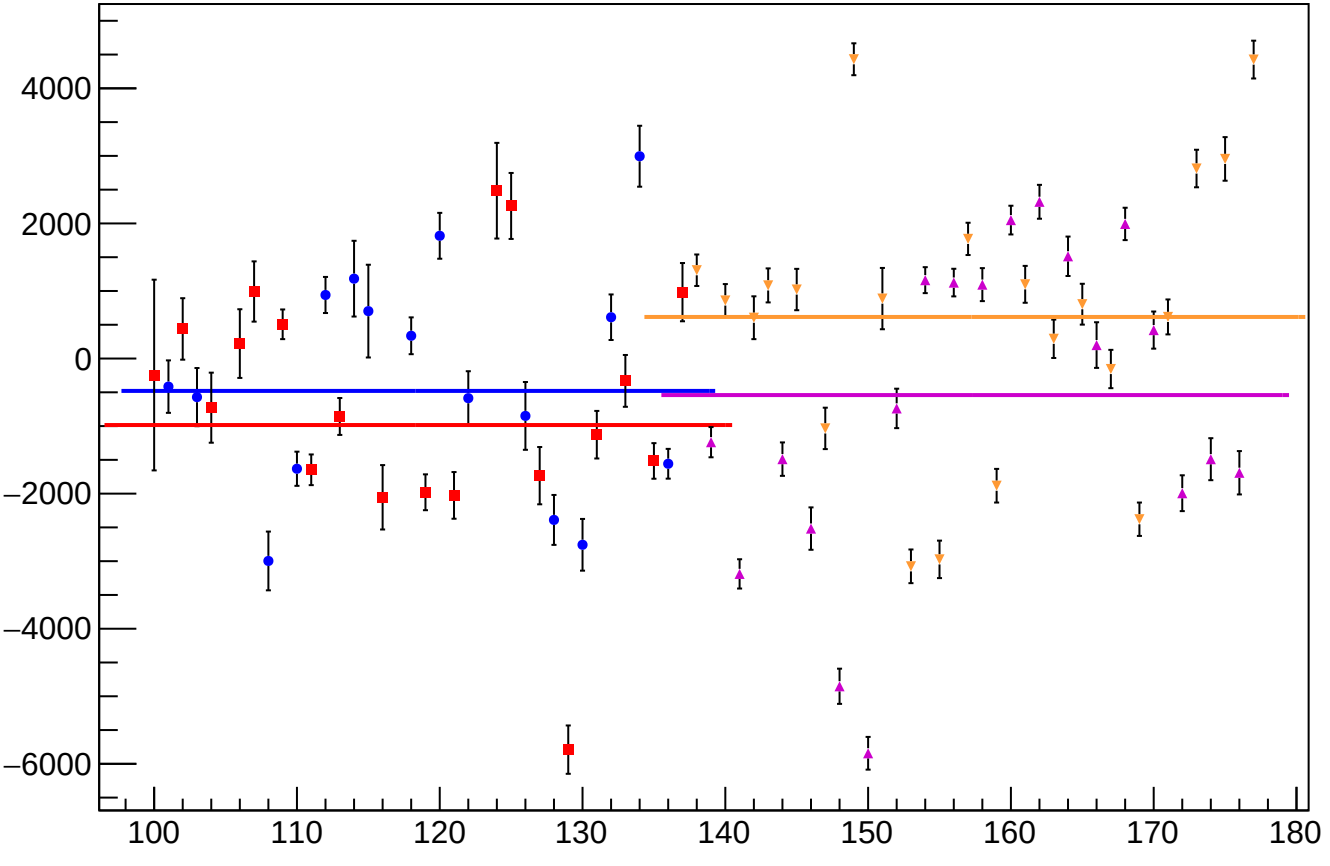
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 196.926+/-0.030 χ^2/NDF:1733132.0/34

Out: 201.588+/-0.030 χ^2/NDF:2455015.5/39

All: 199.267+/-0.021 χ^2/NDF: 4200020.8/74

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 615.556+/-59.376 χ^2/NDF:1275.6/20

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -540.953+/-57.502 χ^2/NDF:1665.0/18

Left: 18.768+/-41.307 χ^2/NDF: 3136.3/39

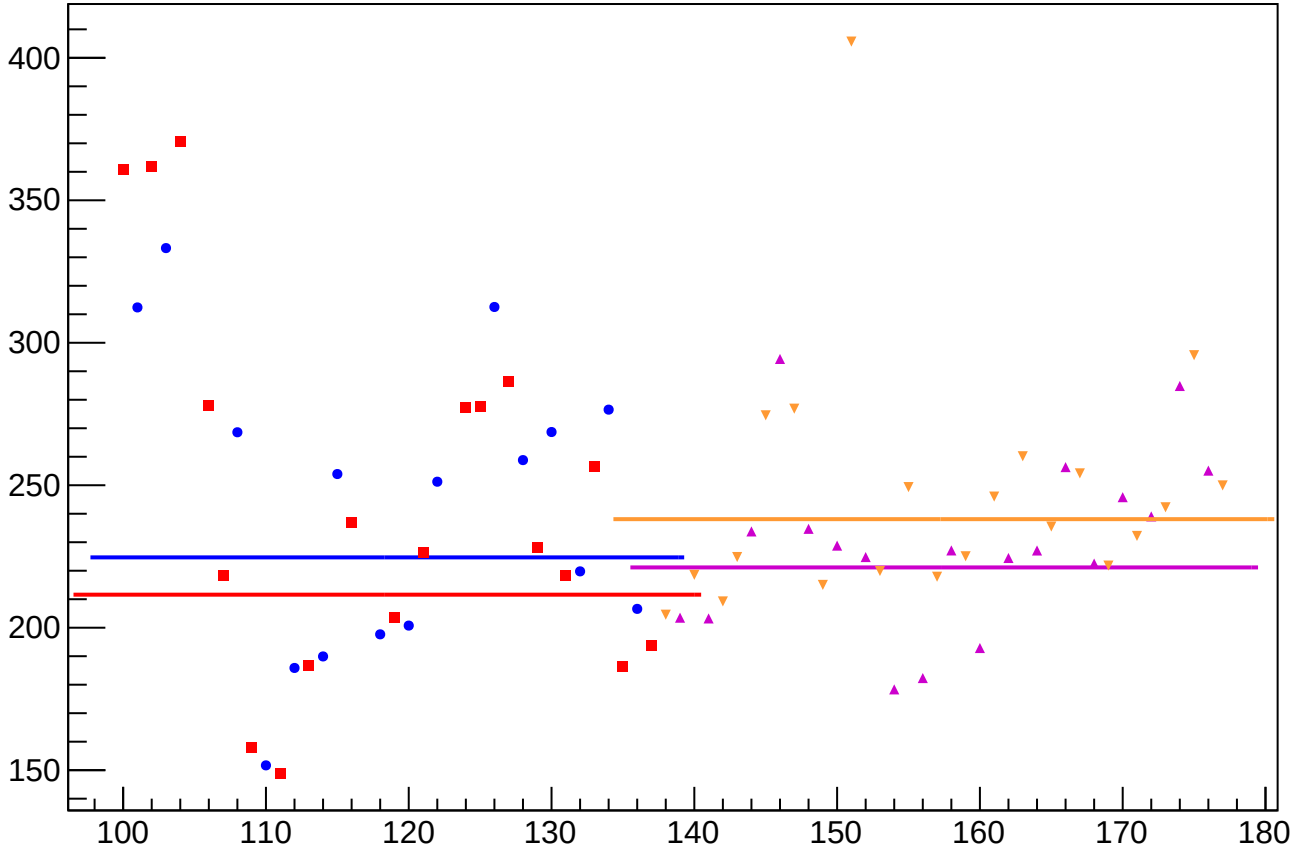
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -522.114+/-47.918 χ^2/NDF:1970.8/34

Out: 55.803+/-47.877 χ^2/NDF:1927.7/39

All: -232.905+/-33.869 χ^2/NDF: 3971.3/74

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 238.098+/-0.042 χ^2/NDF:560092.5/20

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 221.158+/-0.041 χ^2/NDF:510069.5/18

Left: 229.356+/-0.029 χ^2/NDF: 1154167.0/39

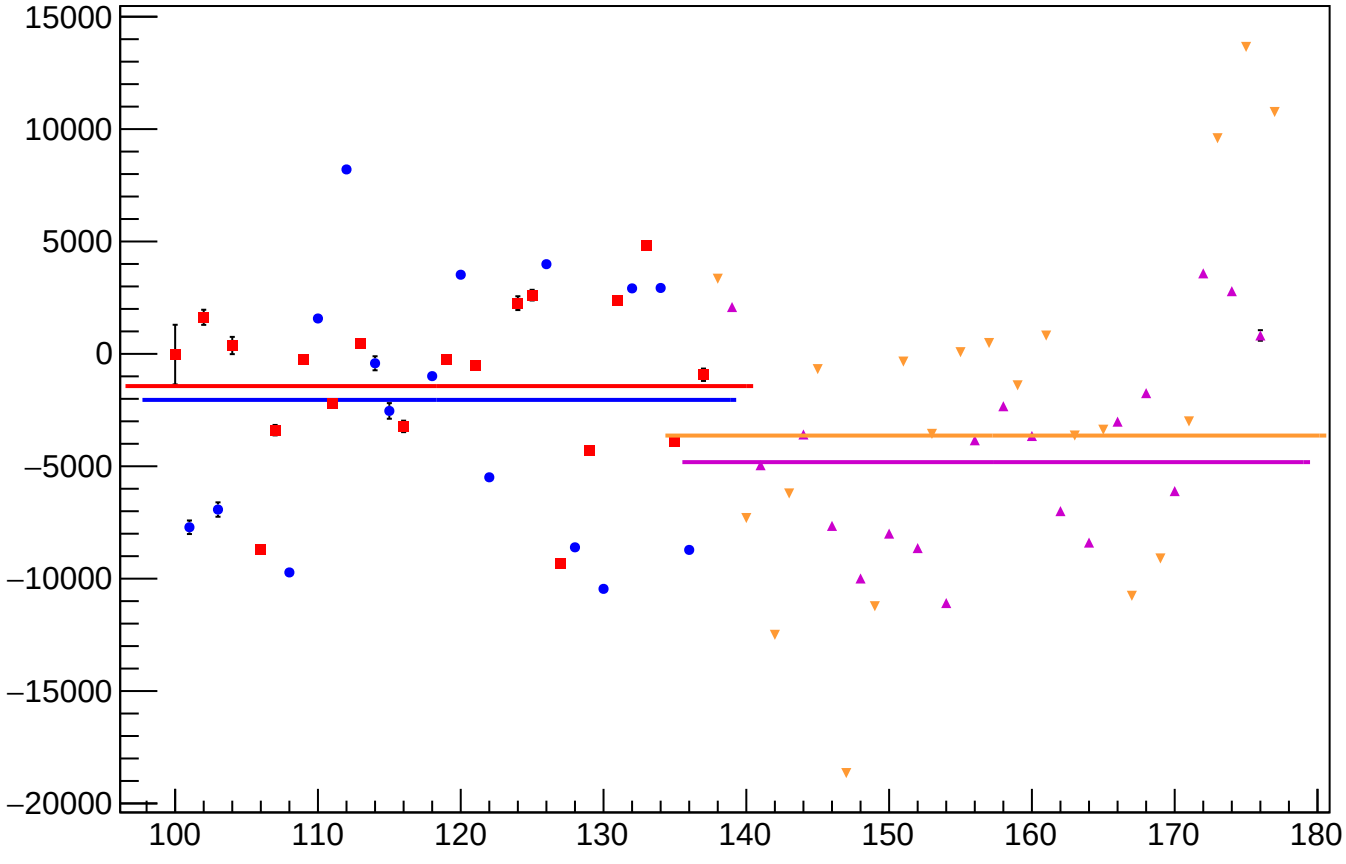
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 222.235+/-0.034 χ^2/NDF:1165559.6/34

Out: 228.826+/-0.034 χ^2/NDF:1632390.1/39

All: 225.533+/-0.024 χ^2/NDF: 2816886.9/74

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -3633.758+/-31.893 χ^2/NDF:51612.4/20

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -4816.123+/-33.157 χ^2/NDF:15227.7/18

Left: -4201.984+/-22.986 χ^2/NDF: 67500.7/39

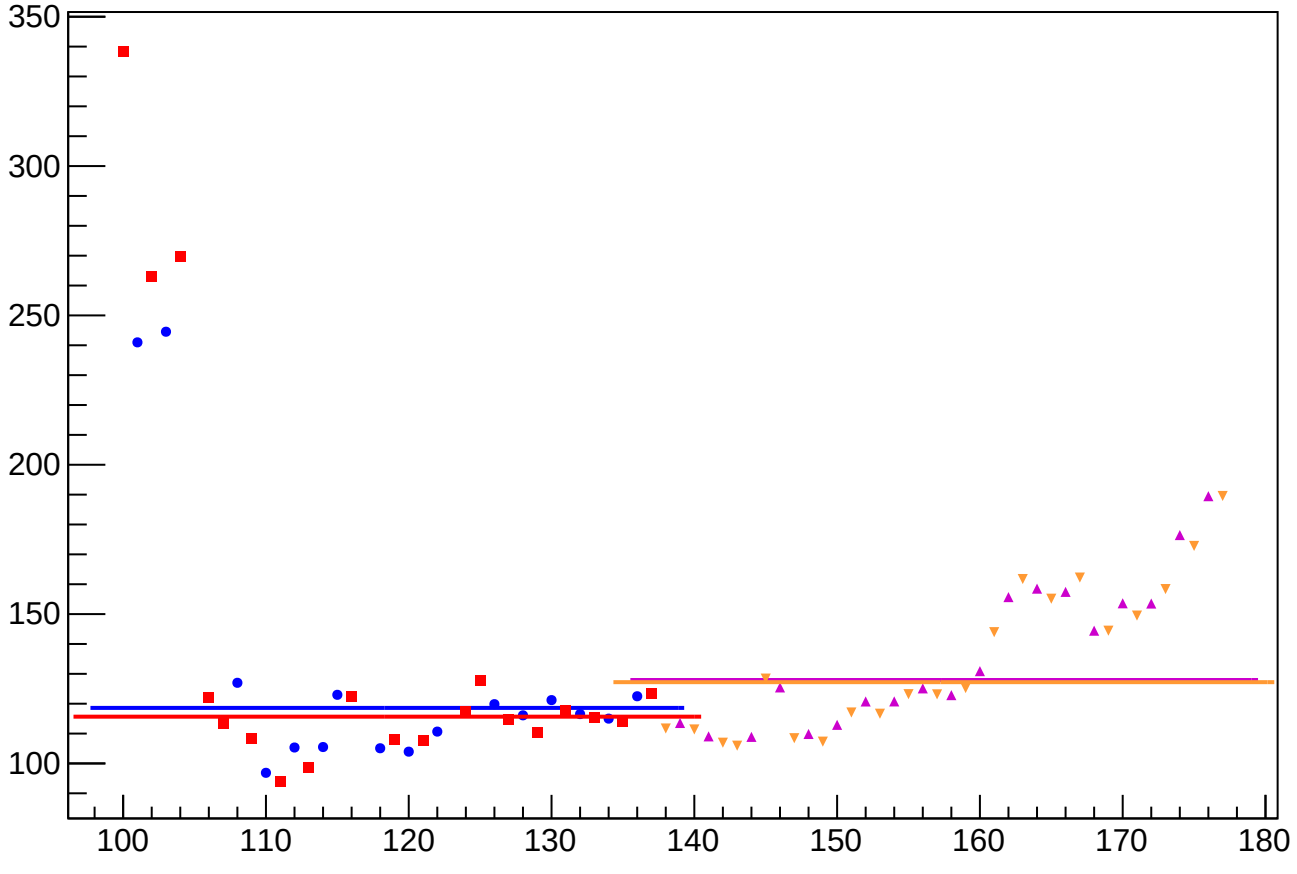
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -3888.732+/-27.040 χ^2/NDF:34272.6/34

Out: -2891.960+/-25.968 χ^2/NDF:59605.2/39

All: -3370.201+/-18.730 χ^2/NDF: 94584.8/74

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 127.212+/-0.023 χ^2/NDF:908470.2/20

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 127.934+/-0.023 χ^2/NDF:735368.0/18

Left: 127.559+/-0.016 χ^2/NDF: 1644330.7/39

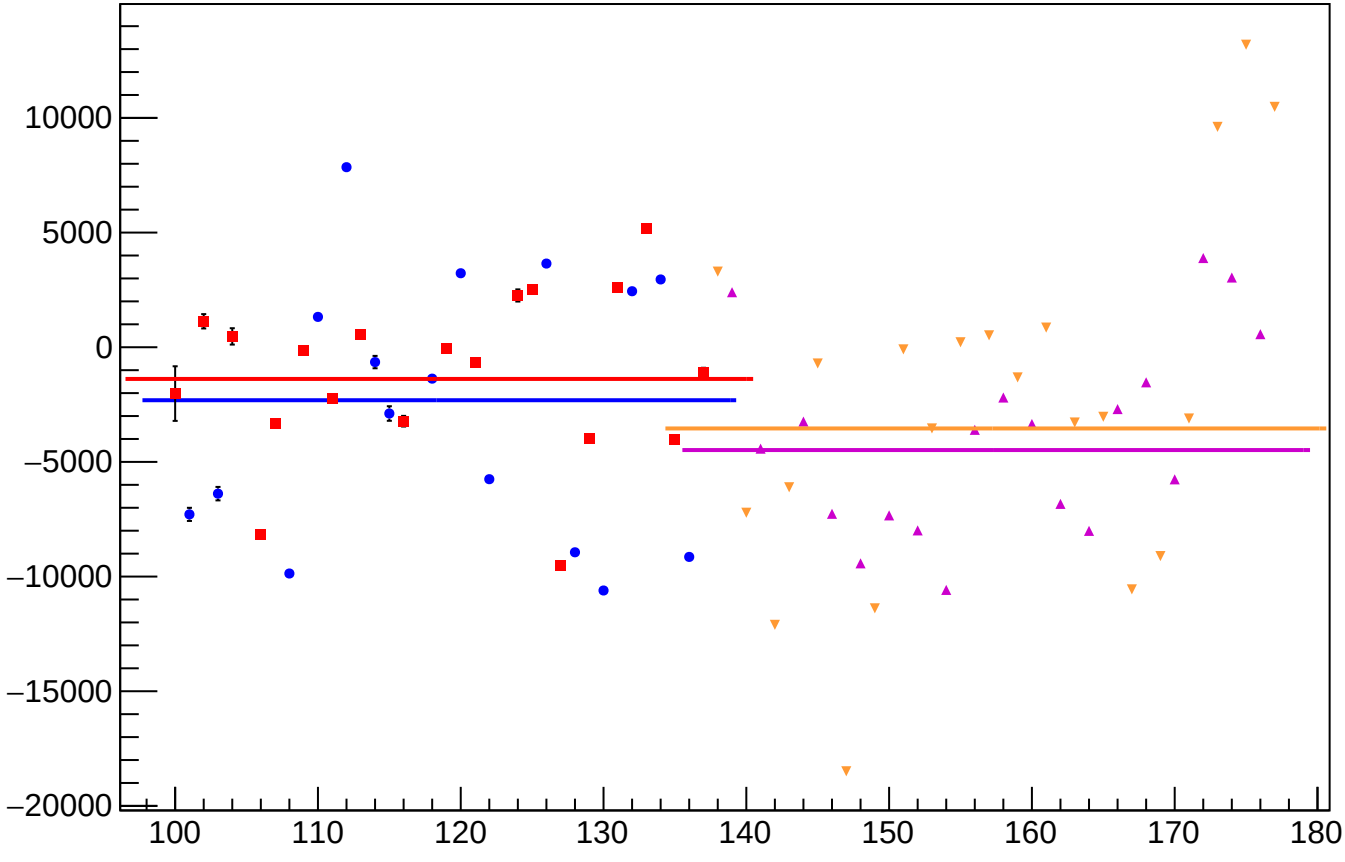
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 124.806+/-0.019 χ^2/NDF:1522663.3/34

Out: 123.318+/-0.018 χ^2/NDF:1861125.7/39

All: 124.032+/-0.013 χ^2/NDF: 3386939.8/74

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -3541.277+/-28.715 χ^2/NDF:60174.2/20

Right Out: -1382.178+/-39.342 χ^2/NDF: 8578.9/18

Left In: -4483.214+/-29.851 χ^2/NDF:17624.5/18

Left: -3993.983+/-20.695 χ^2/NDF: 78315.8/39

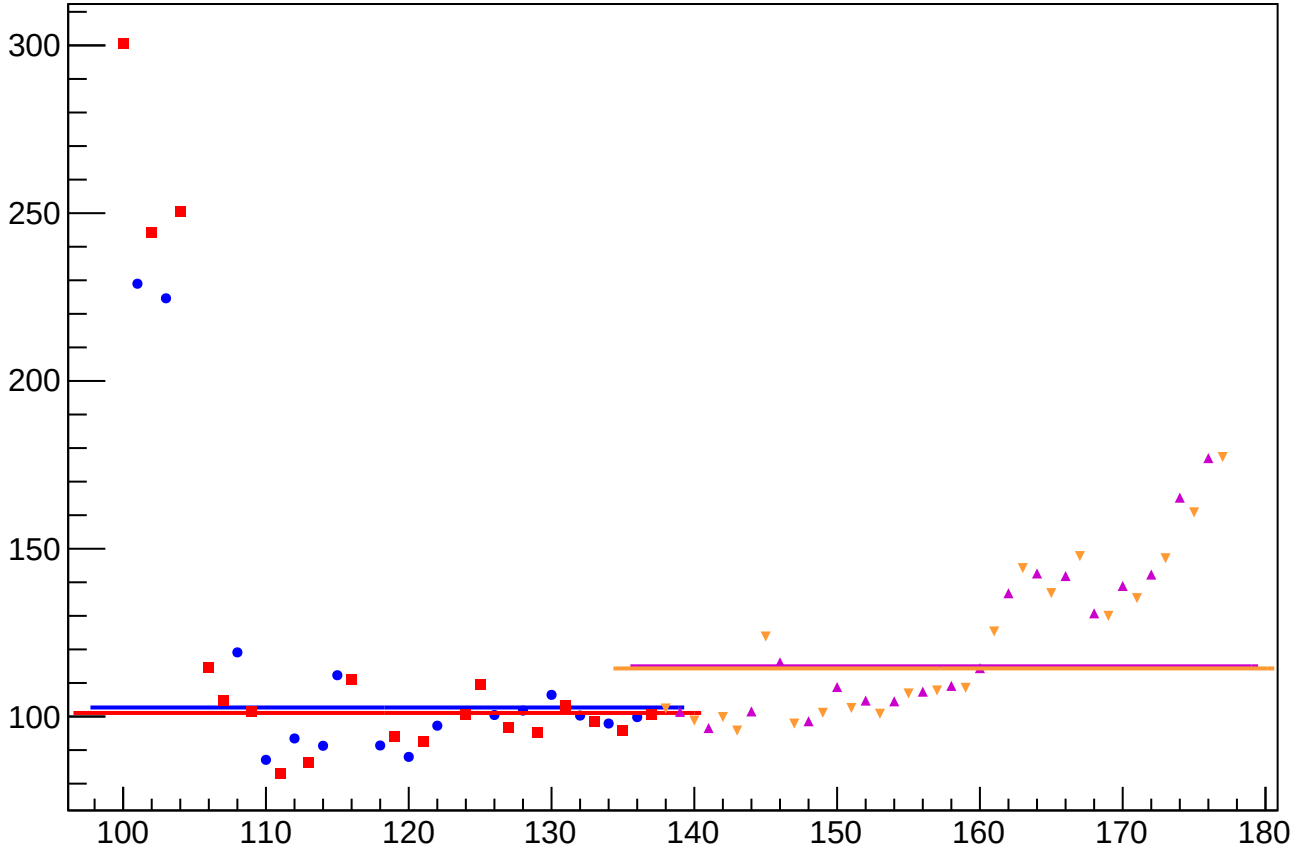
Right: -1830.238+/-28.298 χ^2/NDF: 30527.1/34

In: -3724.107+/-24.078 χ^2/NDF:41154.8/34

Out: -2790.830+/-23.194 χ^2/NDF:70718.1/39

All: -3240.025+/-16.704 χ^2/NDF: 112652.1/7

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 114.327+/-0.020 χ^2/NDF:965591.0/20

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

Left In: 114.965+/-0.021 χ^2/NDF:792225.4/18

Left: 114.633+/-0.015 χ^2/NDF: 1758290.5/39

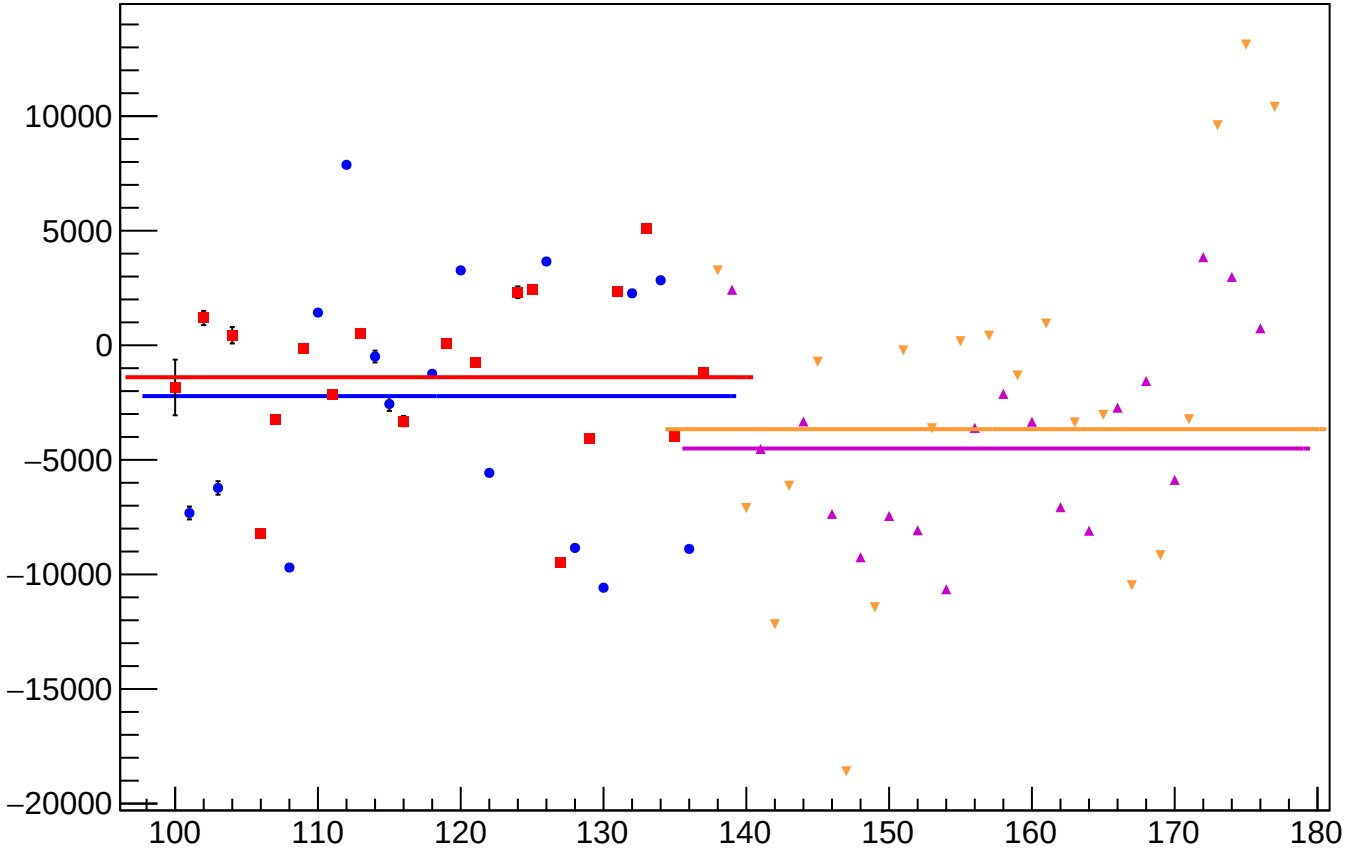
Right: 101.850+/-0.020 χ^2/NDF: 1757917.4/34

In: 110.677+/-0.017 χ^2/NDF:1736109.3/34

Out: 109.717+/-0.016 χ^2/NDF:2044362.3/39

All: 110.179+/-0.012 χ^2/NDF: 3782122.2/74

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -3661.728+/-28.103 χ^2/NDF:64336.5/20

Right Out: -1393.557+/-37.580 χ^2/NDF: 9152.1/18

Left In: -4505.061+/-29.185 χ^2/NDF:18651.9/18

Left: -4067.467+/-20.243 χ^2/NDF: 83421.6/39

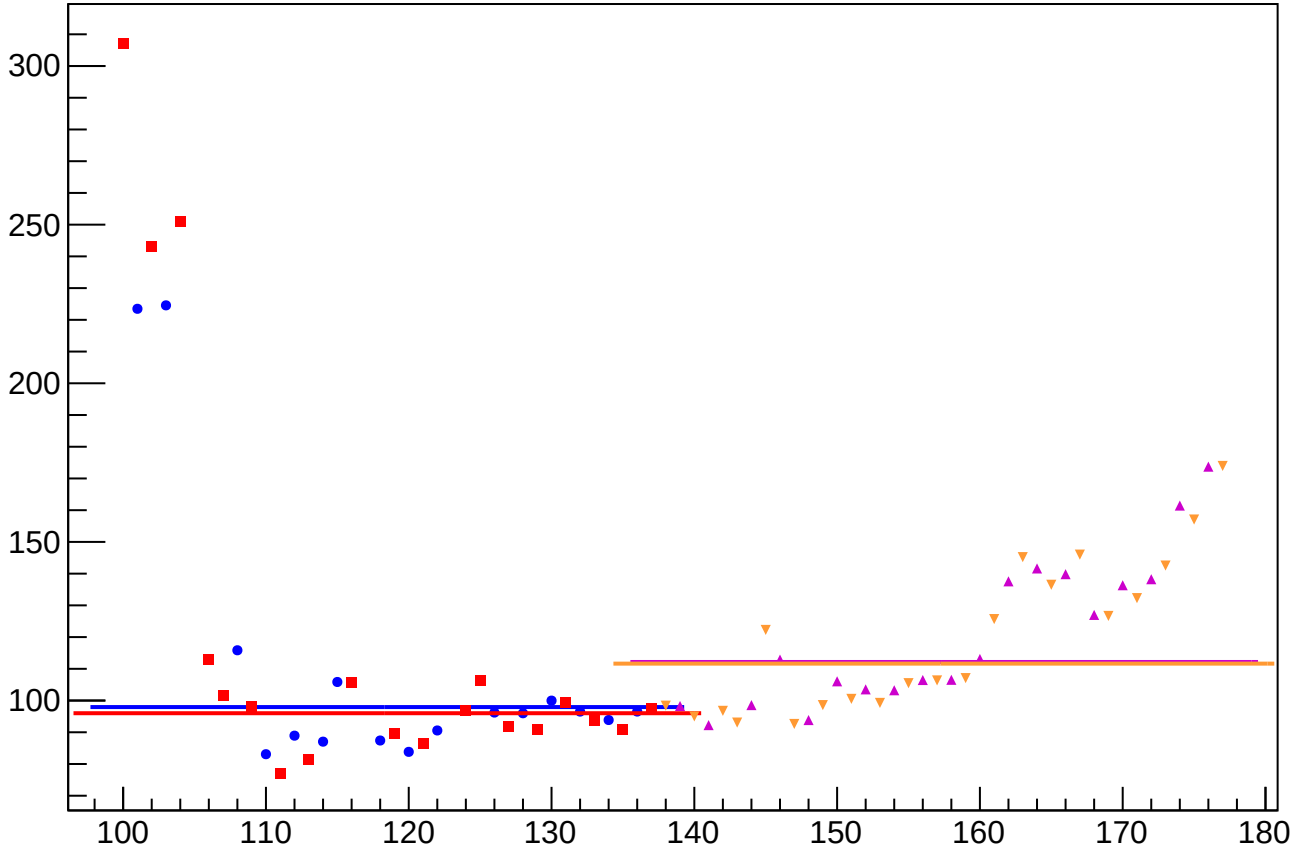
Right: -1790.108+/-27.074 χ^2/NDF: 32424.3/34

In: -3685.126+/-23.375 χ^2/NDF:43894.2/34

Out: -2848.235+/-22.506 χ^2/NDF:75824.9/39

All: -3250.830+/-16.213 χ^2/NDF: 120384.3/7

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 111.635+/-0.020 χ^2/NDF:1038481.3/20

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

Left In: 112.155+/-0.021 χ^2/NDF:847244.7/18

Left: 111.885+/-0.014 χ^2/NDF: 1886054.9/39

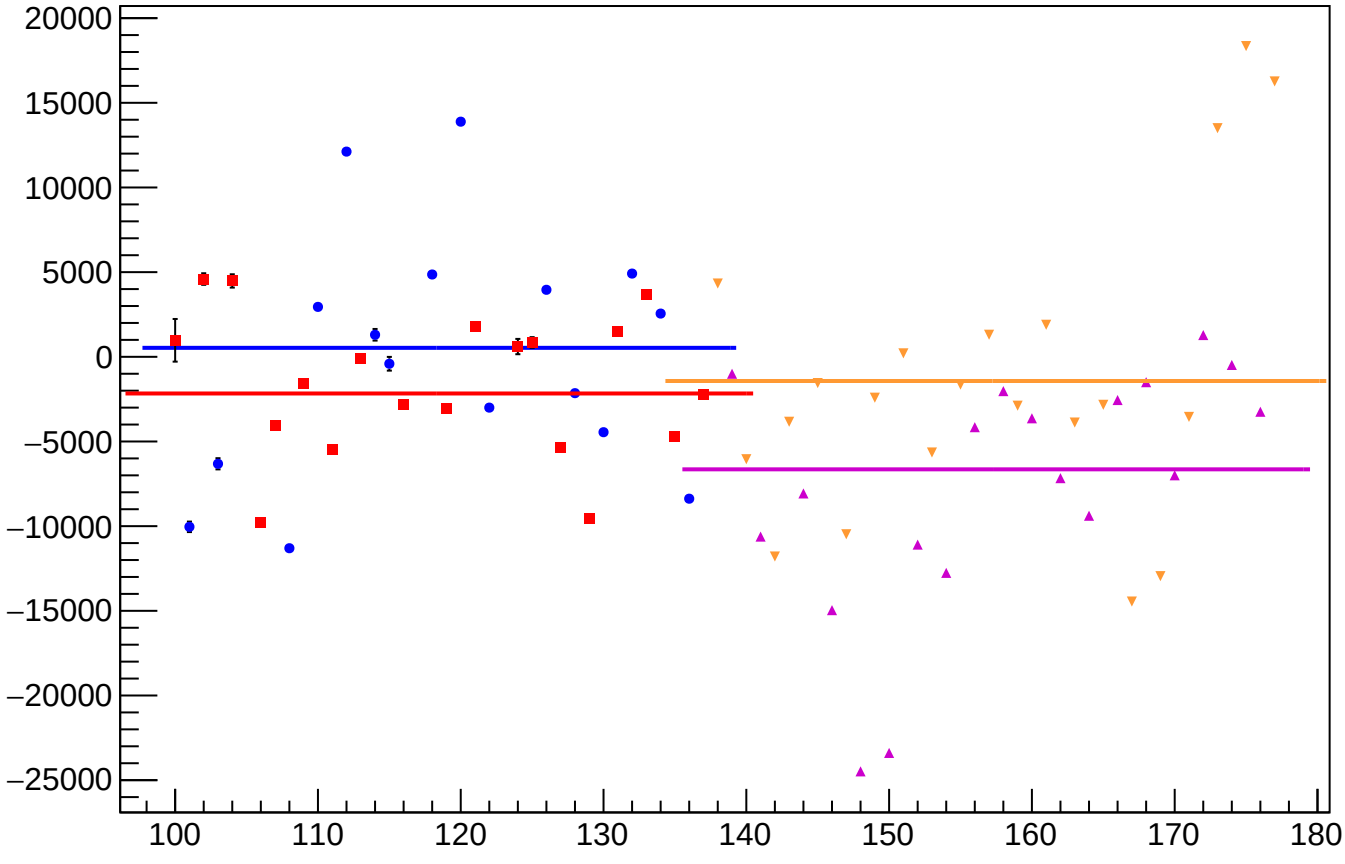
Right: 96.937+/-0.019 χ^2/NDF: 1882996.0/34

In: 107.060+/-0.017 χ^2/NDF:1885400.5/34

Out: 106.029+/-0.016 χ^2/NDF:2272663.4/39

All: 106.525+/-0.011 χ^2/NDF: 4160081.3/74

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -1427.576+/-39.426 χ^2/NDF:38062.0/20

Right Out: -2164.994+/-53.458 χ^2/NDF: 4967.1/18

Left In: -6644.641+/-41.654 χ^2/NDF:20173.1/18

Left: -3892.822+/-28.634 χ^2/NDF: 66509.4/39

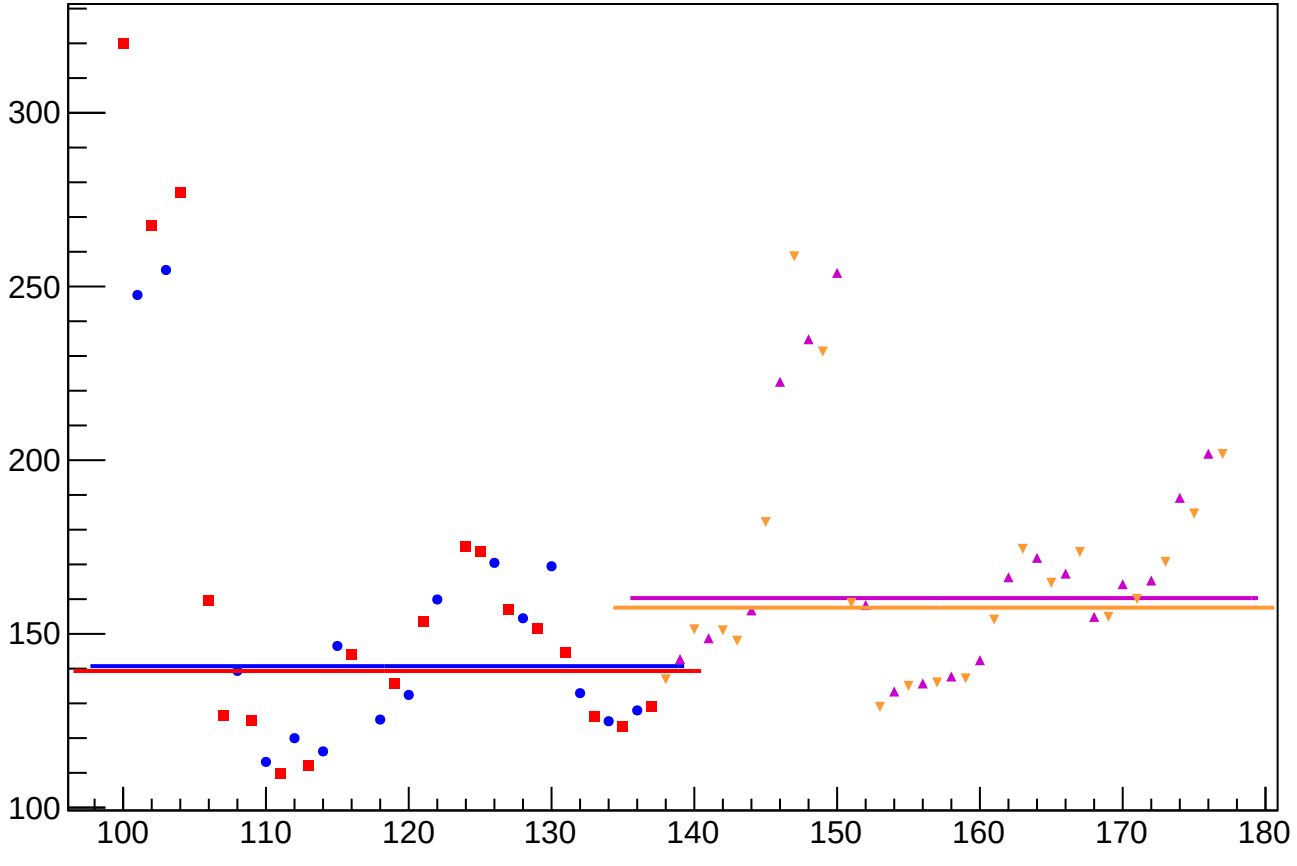
Right: -851.965+/-38.285 χ^2/NDF: 24793.2/34

In: -4020.435+/-33.174 χ^2/NDF:49612.8/34

Out: -1687.366+/-31.730 χ^2/NDF:43152.4/39

All: -2802.019+/-22.930 χ^2/NDF: 95348.3/74

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 157.550+/-0.028 χ^2/NDF:854227.6/20

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

Left In: 160.307+/-0.029 χ^2/NDF:884372.1/18

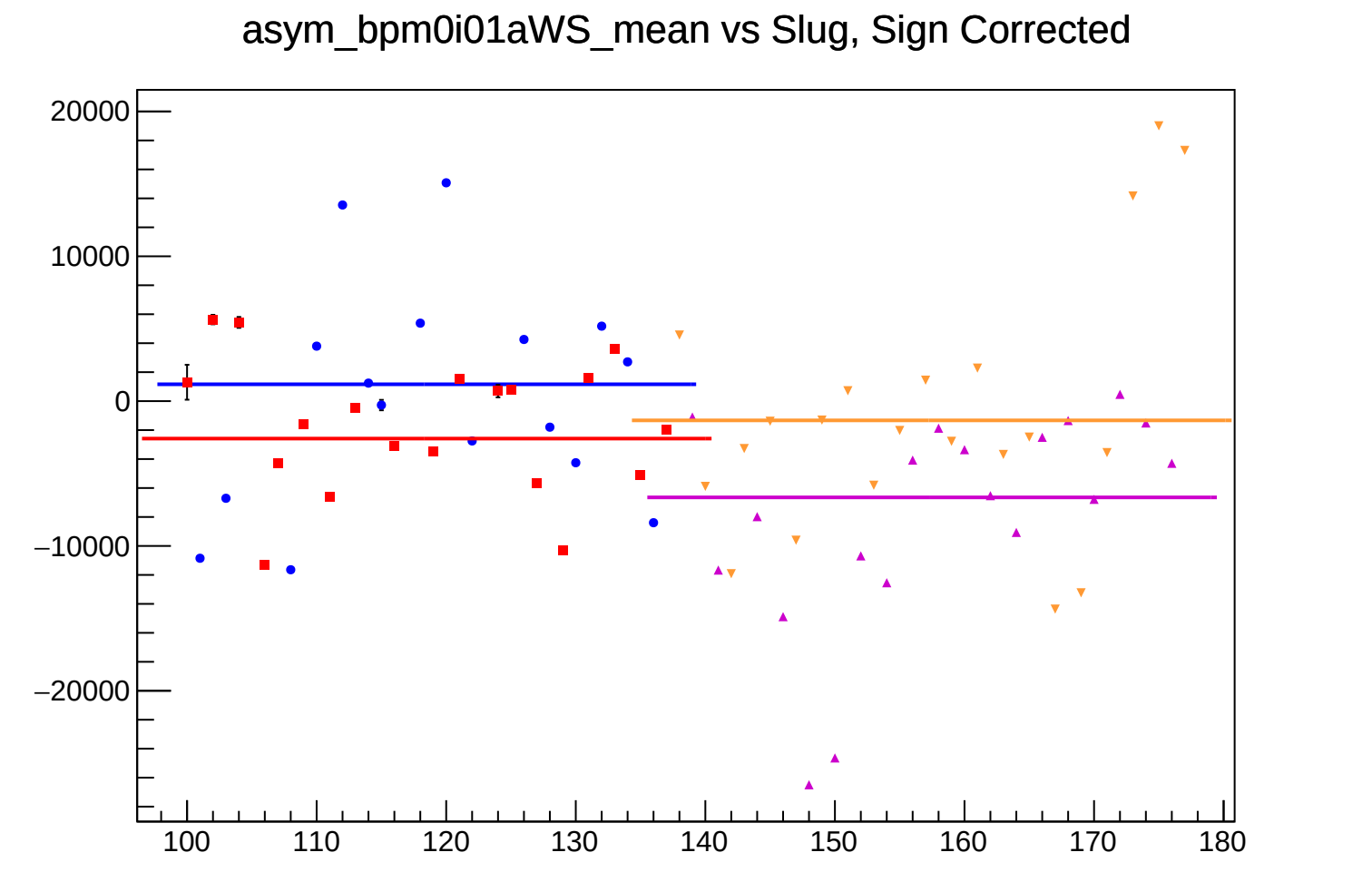
Left: 158.853+/-0.020 χ^2/NDF: 1743222.7/39

Right: 139.998+/-0.027 χ^2/NDF: 1478602.2/34

In: 153.142+/-0.023 χ^2/NDF:1721811.6/34

Out: 151.126+/-0.022 χ^2/NDF:1807235.0/39

All: 152.089+/-0.016 χ^2/NDF: 3532901.5/74



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -1329.101+/-35.100 χ^2/NDF:47607.3/20

Right Out: -2586.755+/-44.256 χ^2/NDF: 8099.7/18

Left In: -6647.534+/-37.157 χ^2/NDF:25194.8/18

Left: -3836.977+/-25.516 χ^2/NDF: 83628.6/39

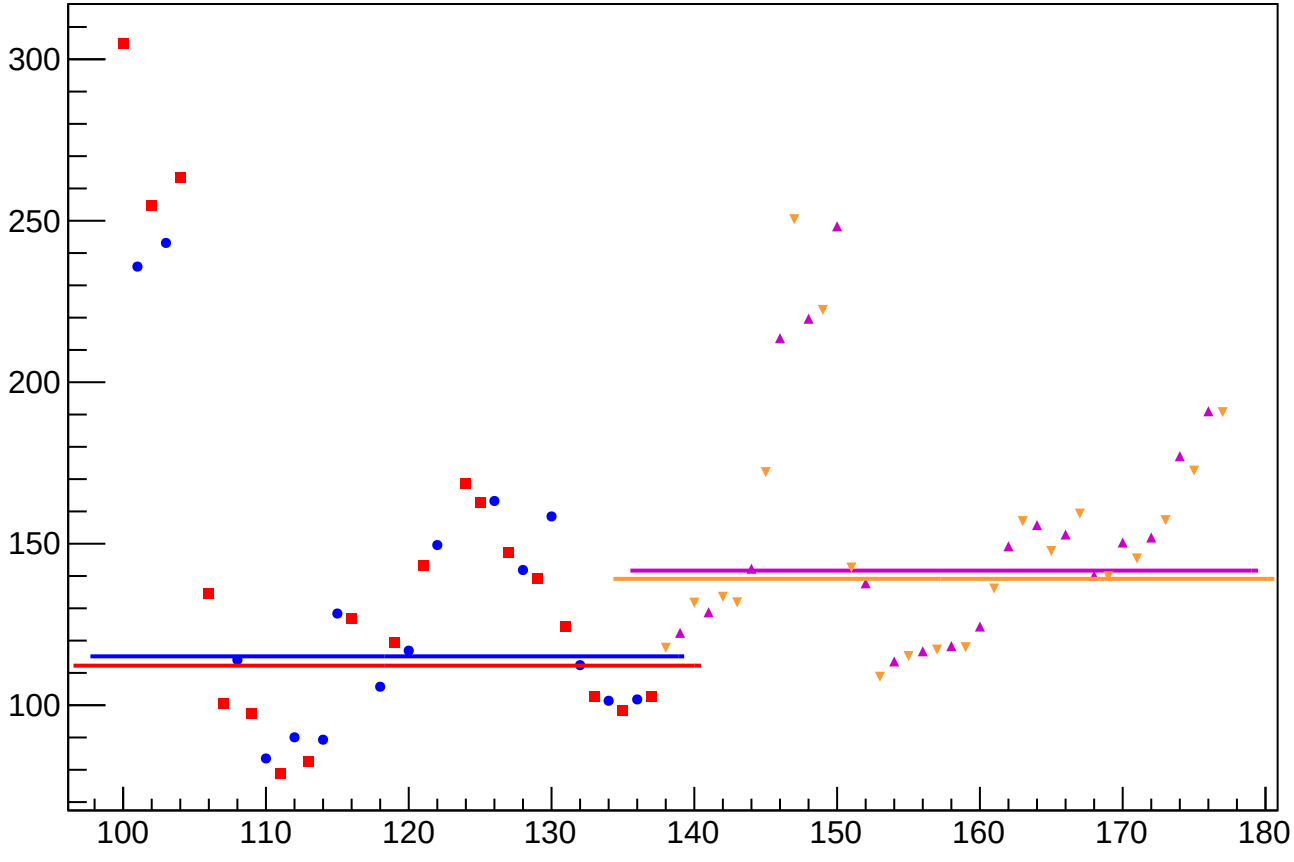
Right: -781.454+/-31.869 χ^2/NDF: 42310.2/34

In: -3557.858+/-28.888 χ^2/NDF:73427.7/34

Out: -1814.715+/-27.501 χ^2/NDF:56202.7/39

All: -2643.427+/-19.918 χ^2/NDF: 131540.5/7

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 139.123+/-0.025 χ^2/NDF:1240793.5/20

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

Left In: 141.675+/-0.026 χ^2/NDF:1253482.1/18

Left: 140.326+/-0.018 χ^2/NDF: 2499259.1/39

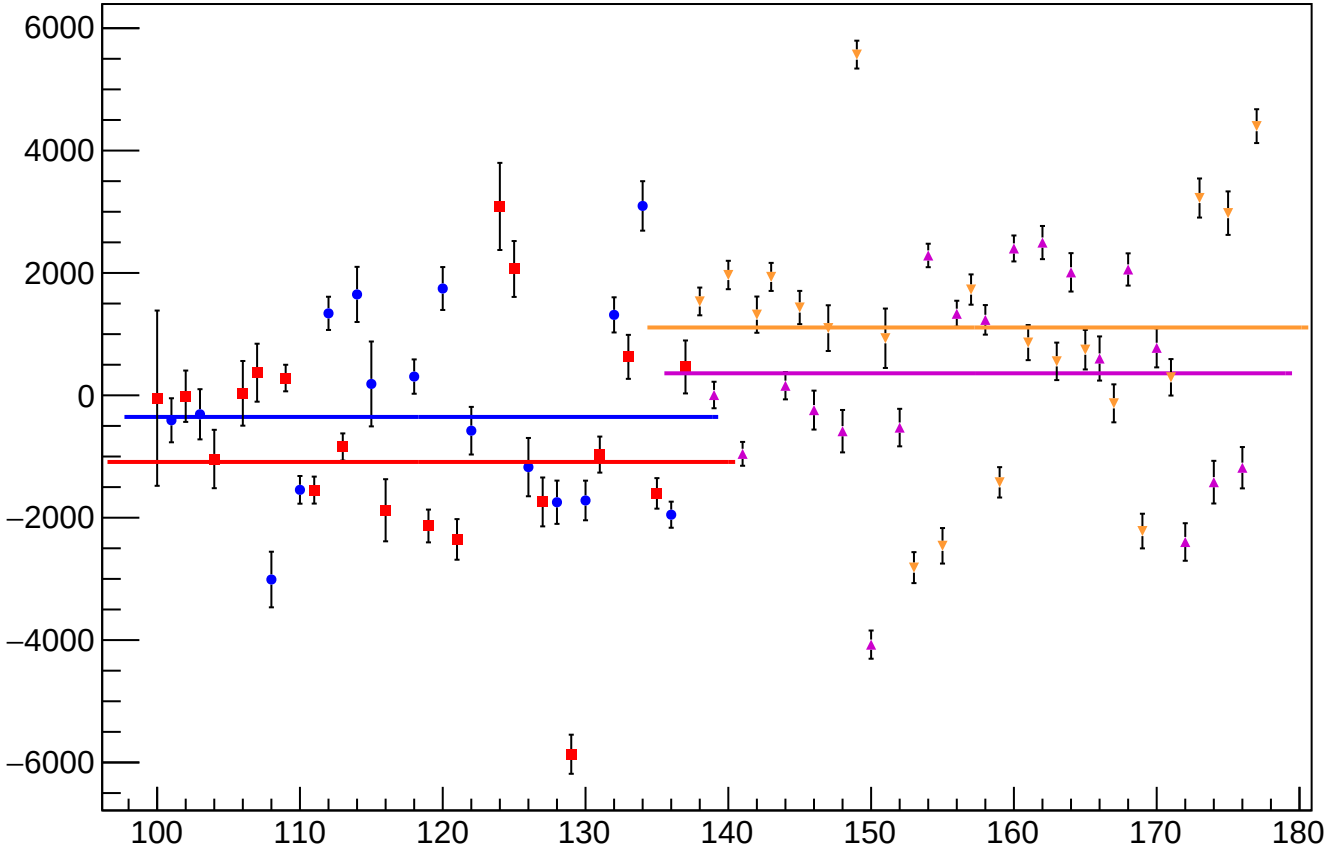
Right: 113.630+/-0.023 χ^2/NDF: 2445233.6/34

In: 131.172+/-0.020 χ^2/NDF:2770370.3/34

Out: 128.743+/-0.019 χ^2/NDF:3021927.5/39

All: 129.898+/-0.014 χ^2/NDF: 5799715.8/74

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 1108.903+/-60.858 χ^2/NDF:1297.0/20

Right Out: -1088.752+/-76.444 χ^2/NDF: 447.2/18

Left In: 359.990+/-58.998 χ^2/NDF:926.5/18

Left: 722.826+/-42.360 χ^2/NDF: 2301.6/39

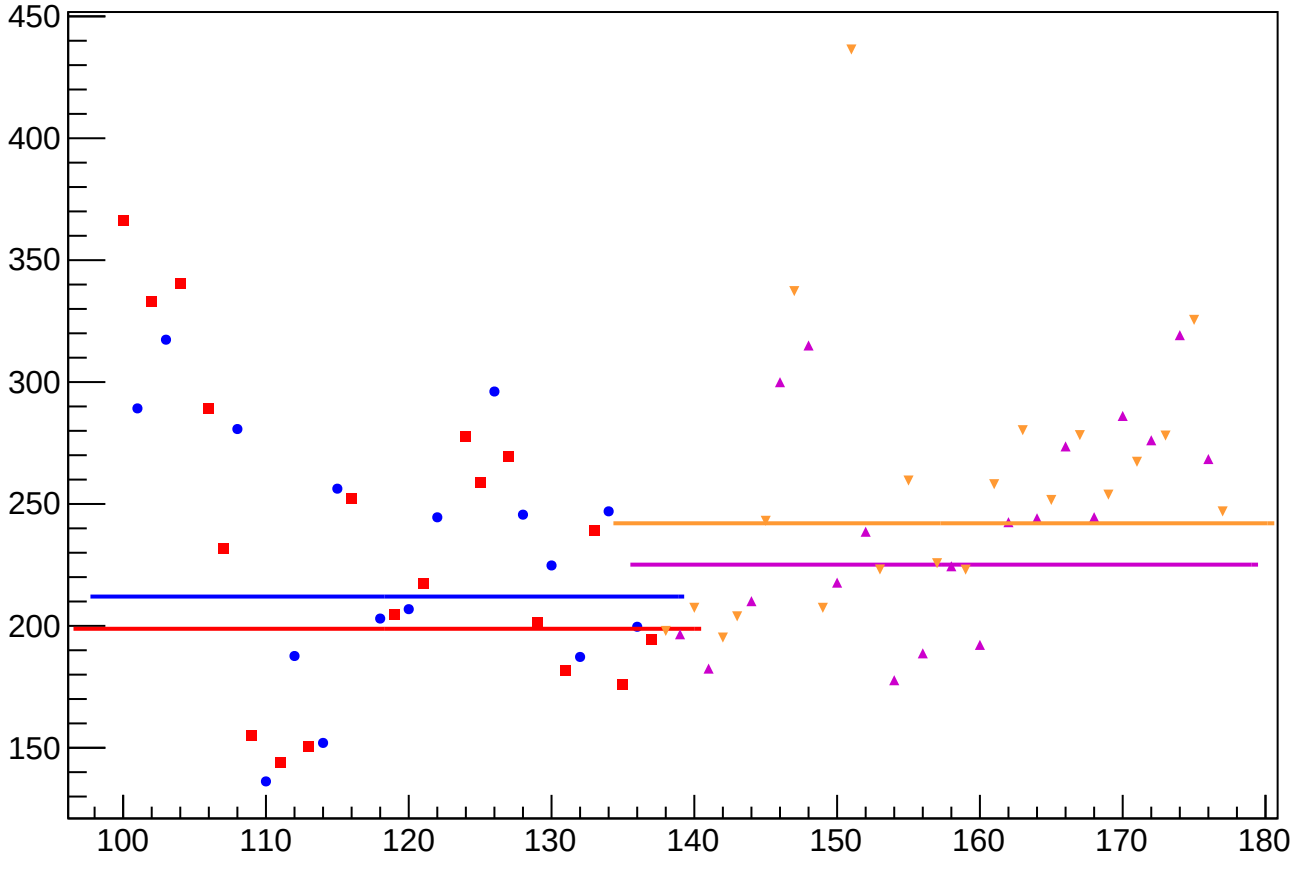
Right: -747.310+/-55.958 χ^2/NDF: 852.0/34

In: 117.280+/-47.918 χ^2/NDF:1338.1/34

Out: 256.362+/-47.612 χ^2/NDF:2250.1/39

All: 187.266+/-33.774 χ^2/NDF: 3592.4/74

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 242.080+/-0.043 χ^2/NDF:981895.3/20

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

Left In: 225.117+/-0.042 χ^2/NDF:988760.4/18

Left: 233.335+/-0.030 χ^2/NDF: 2050758.2/39

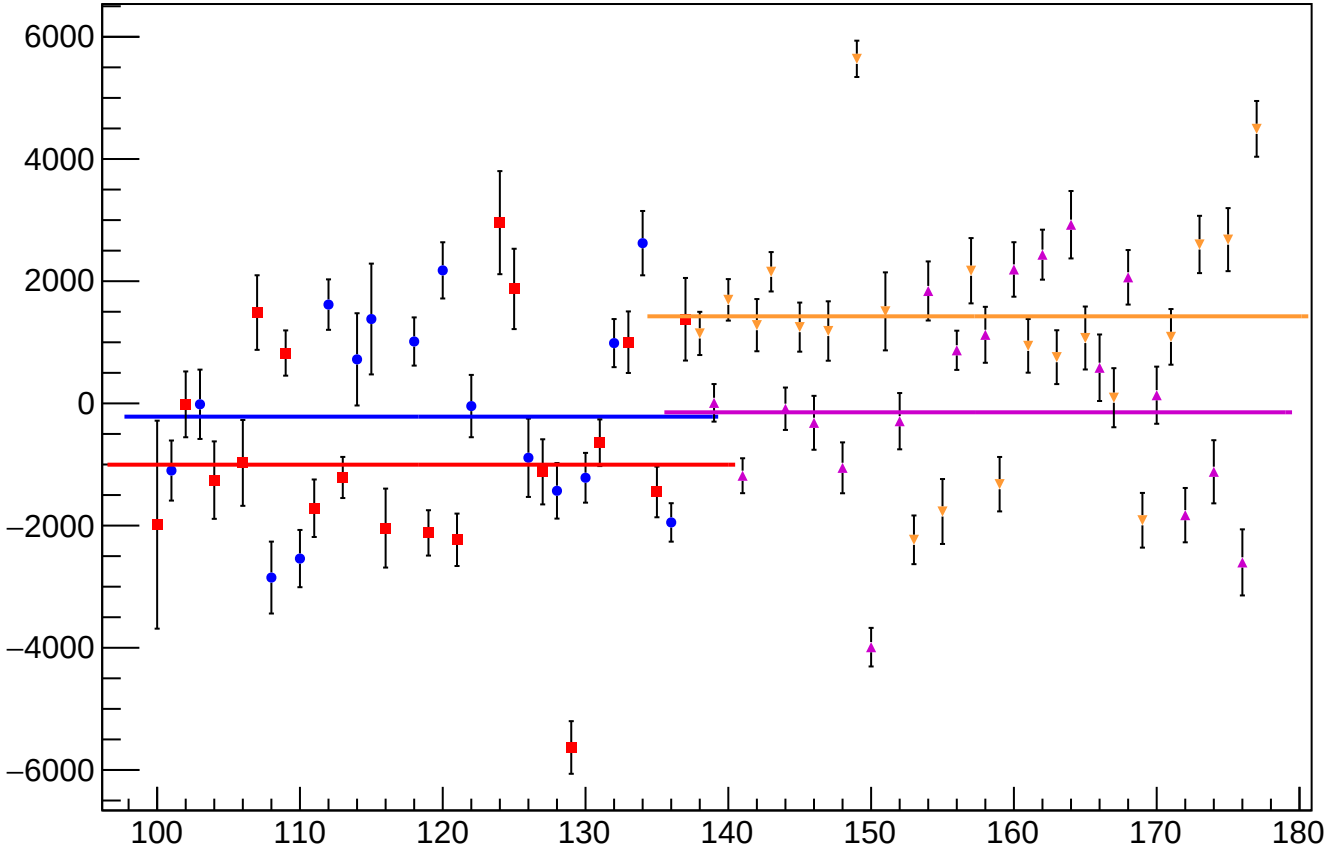
Right: 204.945+/-0.040 χ^2/NDF: 1693041.6/34

In: 220.662+/-0.034 χ^2/NDF:1712625.5/34

Out: 225.294+/-0.034 χ^2/NDF:2349050.4/39

All: 222.993+/-0.024 χ^2/NDF: 4071080.2/74

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1425.259+/-92.999 χ^2/NDF:493.4/20

Right Out: -1003.049+/-113.111 χ^2/NDF: 254.3/18

Left In: -145.844+/-93.257 χ^2/NDF:364.6/18

Left: 641.887+/-65.851 χ^2/NDF: 1000.3/39

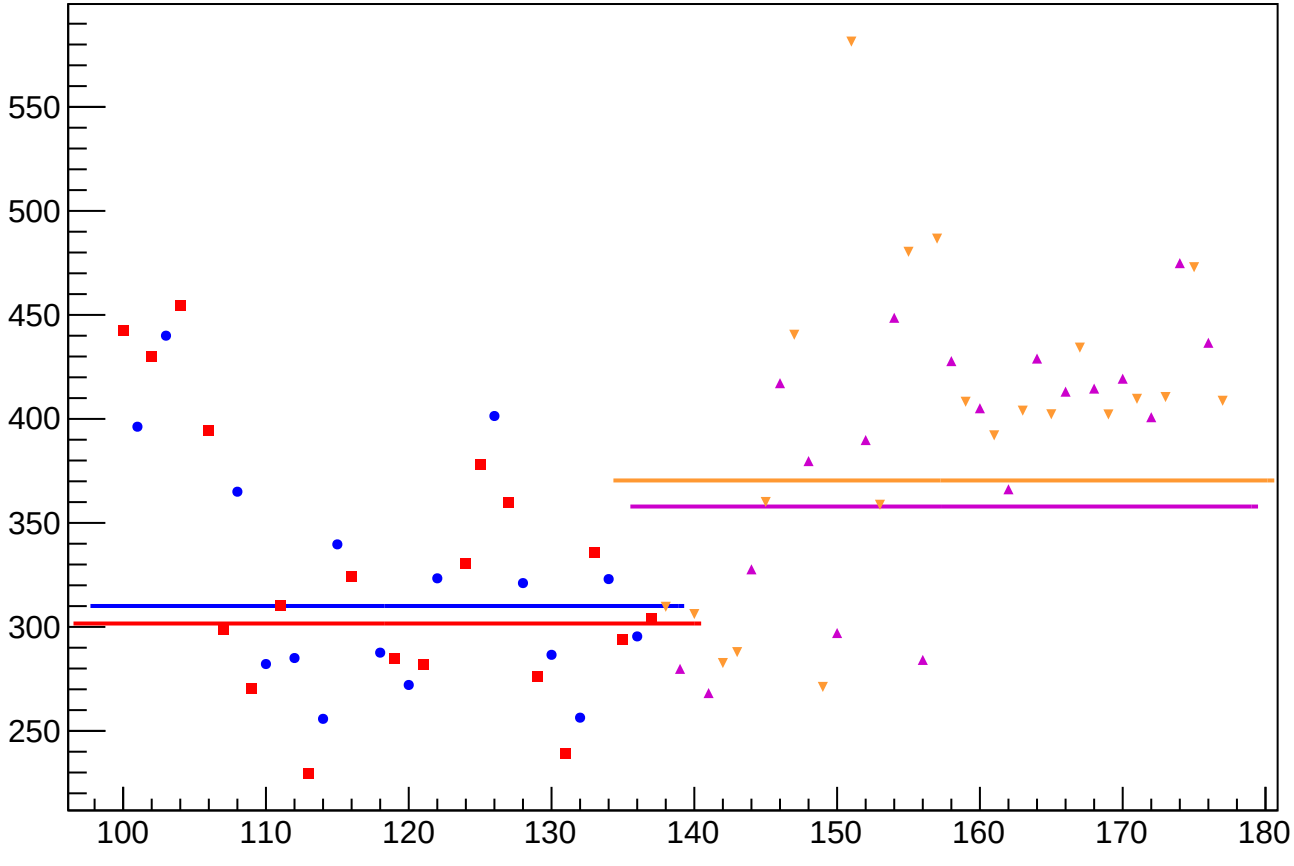
Right: -626.246+/-81.618 χ^2/NDF: 469.7/34

In: -173.213+/-73.139 χ^2/NDF:557.0/34

Out: 445.822+/-71.836 χ^2/NDF:1022.7/39

All: 141.870+/-51.250 χ^2/NDF: 1616.2/74

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 370.409+/-0.066 χ^2/NDF:1217993.3/20

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

Left In: 357.879+/-0.066 χ^2/NDF:996342.9/18

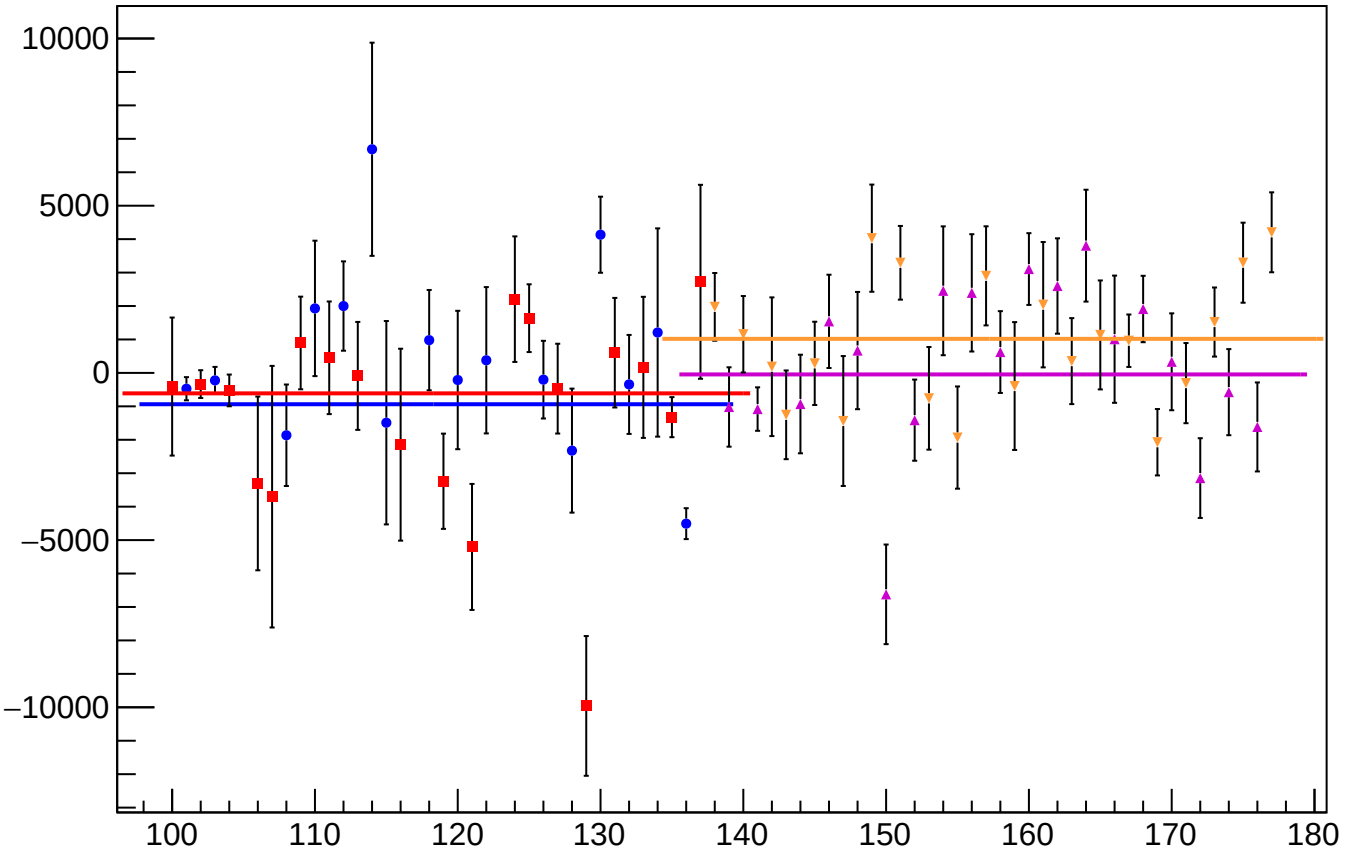
Left: 364.161+/-0.047 χ^2/NDF: 2232441.4/39

Right: 305.675+/-0.058 χ^2/NDF: 848490.9/34

In: 339.473+/-0.052 χ^2/NDF:1522016.6/34

Out: 342.671+/-0.051 χ^2/NDF:2179022.8/39

All: 341.101+/-0.036 χ^2/NDF: 3702985.0/74



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 1018.510+/-275.405 χ^2/NDF:43.4/20

Right Out: -611.668+/-233.144 χ^2/NDF: 44.1/18

Left In: -45.411+/-287.172 χ^2/NDF:59.7/18

Left: 508.793+/-198.771 χ^2/NDF: 110.2/39

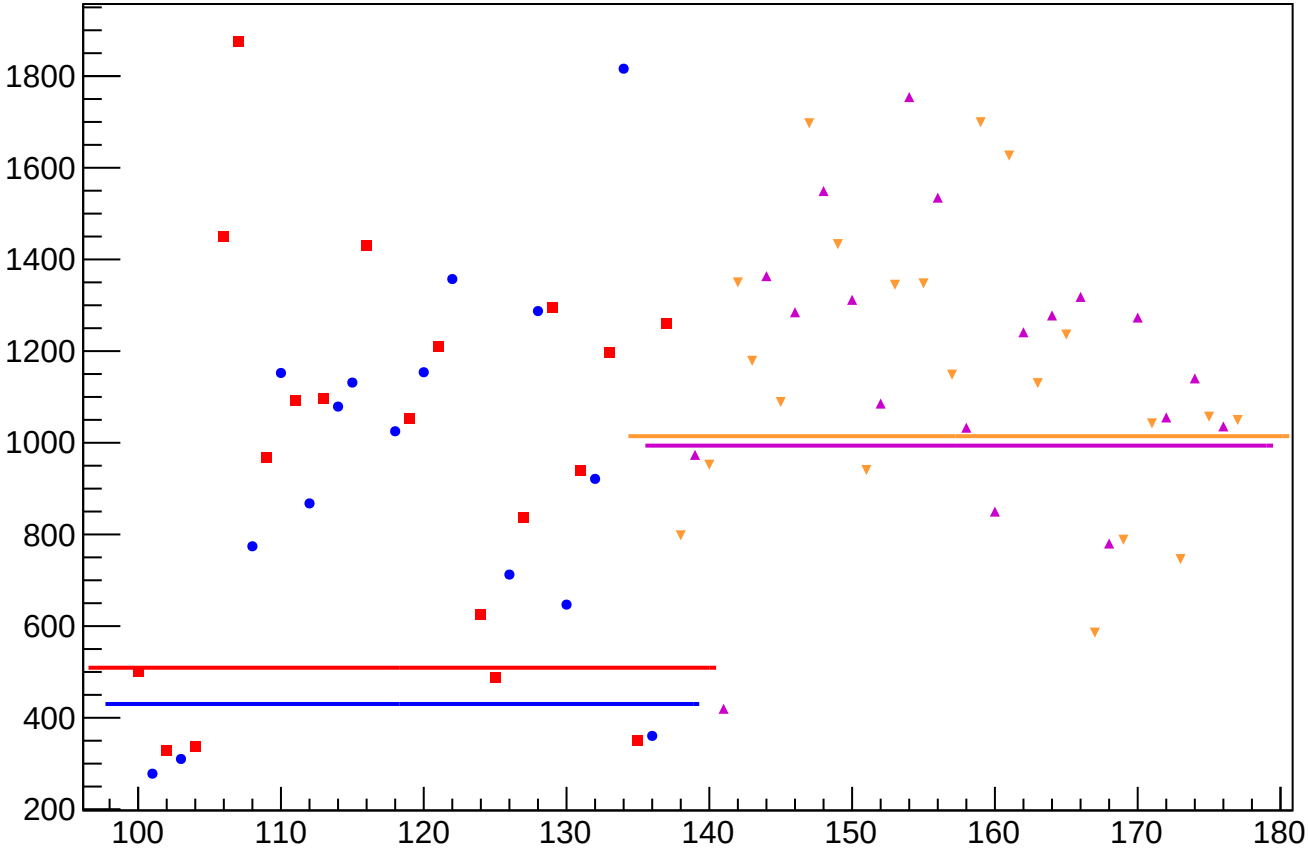
Right: -795.339+/-153.831 χ^2/NDF: 146.4/34

In: -636.544+/-166.696 χ^2/NDF:167.2/34

Out: 68.881+/-177.944 χ^2/NDF:108.0/39

All: -306.830+/-121.654 χ^2/NDF: 283.6/74

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 1014.406+/-0.195 χ^2/NDF:2148375.4/20

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

Left In: 993.808+/-0.203 χ^2/NDF:2993195.7/18

Left: 1004.538+/-0.141 χ^2/NDF: 5146931.0/39

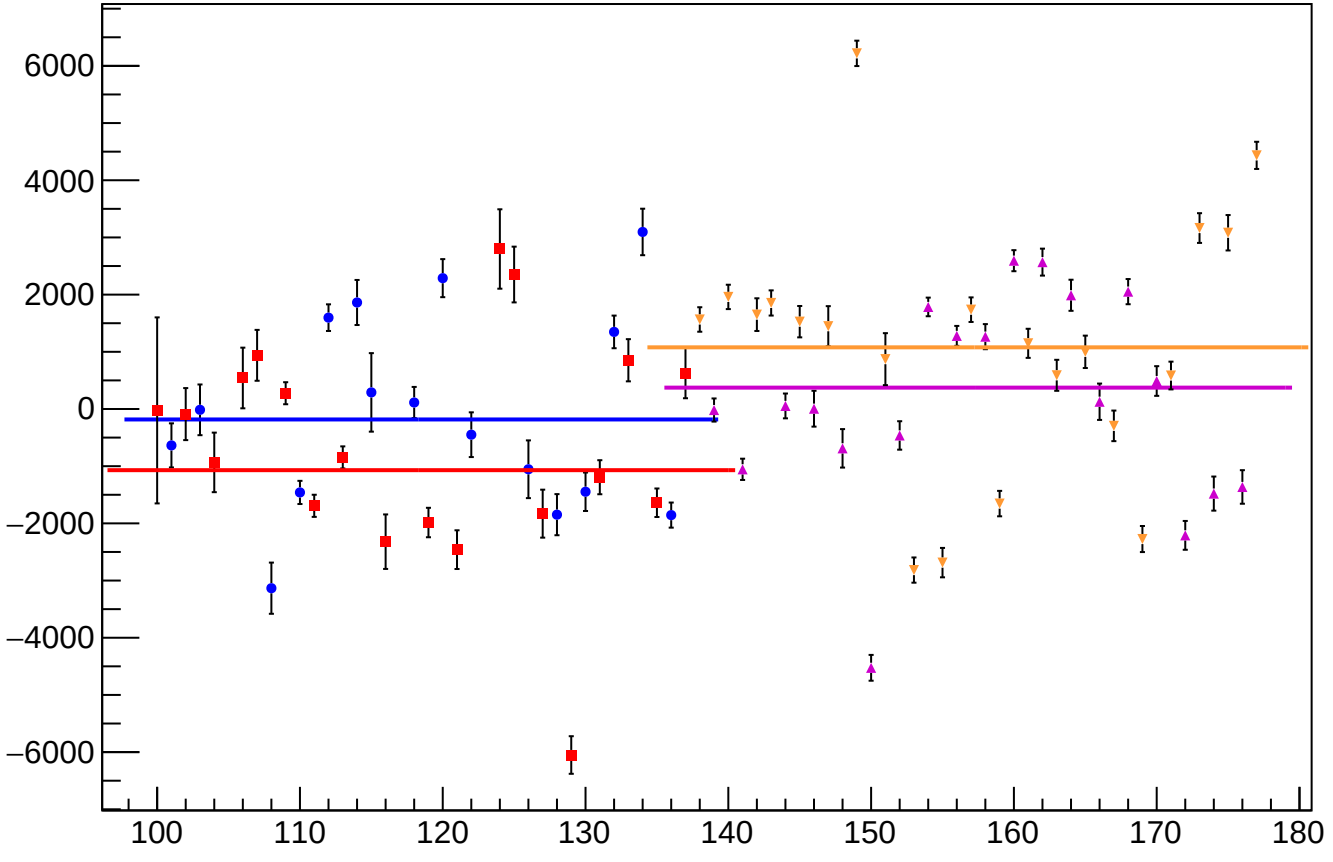
Right: 464.557+/-0.109 χ^2/NDF: 7325362.7/34

In: 620.049+/-0.118 χ^2/NDF:11624616.5/34

Out: 720.129+/-0.126 χ^2/NDF:9741749.7/39

All: 666.826+/-0.086 χ^2/NDF: 21703310.6/74

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 1078.199+/-54.593 χ^2/NDF:1821.7/20

Right Out: -1069.729+/-73.060 χ^2/NDF: 492.3/18

Left In: 373.550+/-52.283 χ^2/NDF:1182.9/18

Left: 710.656+/-37.760 χ^2/NDF: 3091.4/39

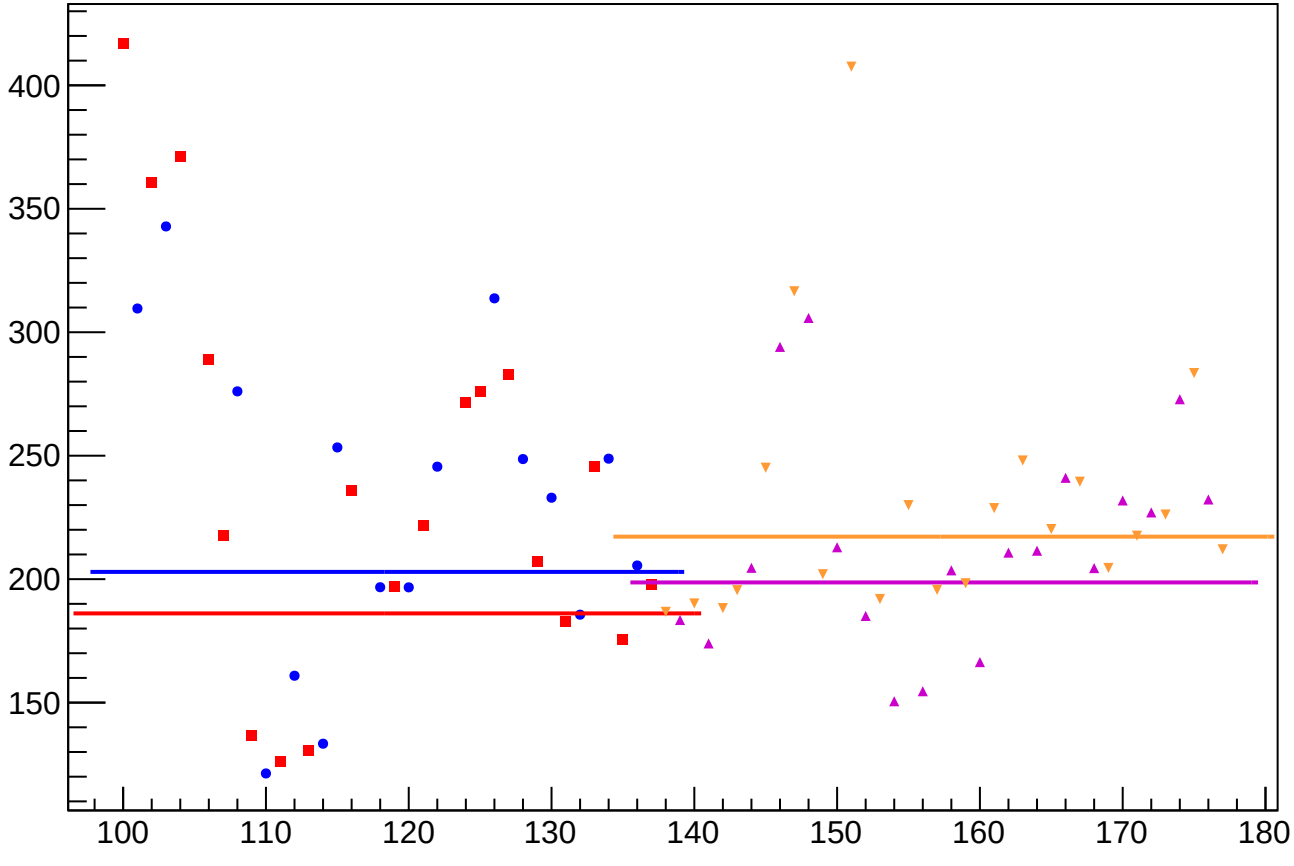
Right: -665.741+/-53.906 χ^2/NDF: 977.1/34

In: 206.577+/-43.743 χ^2/NDF:1634.6/34

Out: 308.611+/-43.732 χ^2/NDF:2868.6/39

All: 257.607+/-30.927 χ^2/NDF: 4505.9/74

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 217.210+/-0.039 χ^2/NDF:865009.1/20

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

Left In: 198.671+/-0.037 χ^2/NDF:1069909.3/18

Left: 207.540+/-0.027 χ^2/NDF: 2055224.1/39

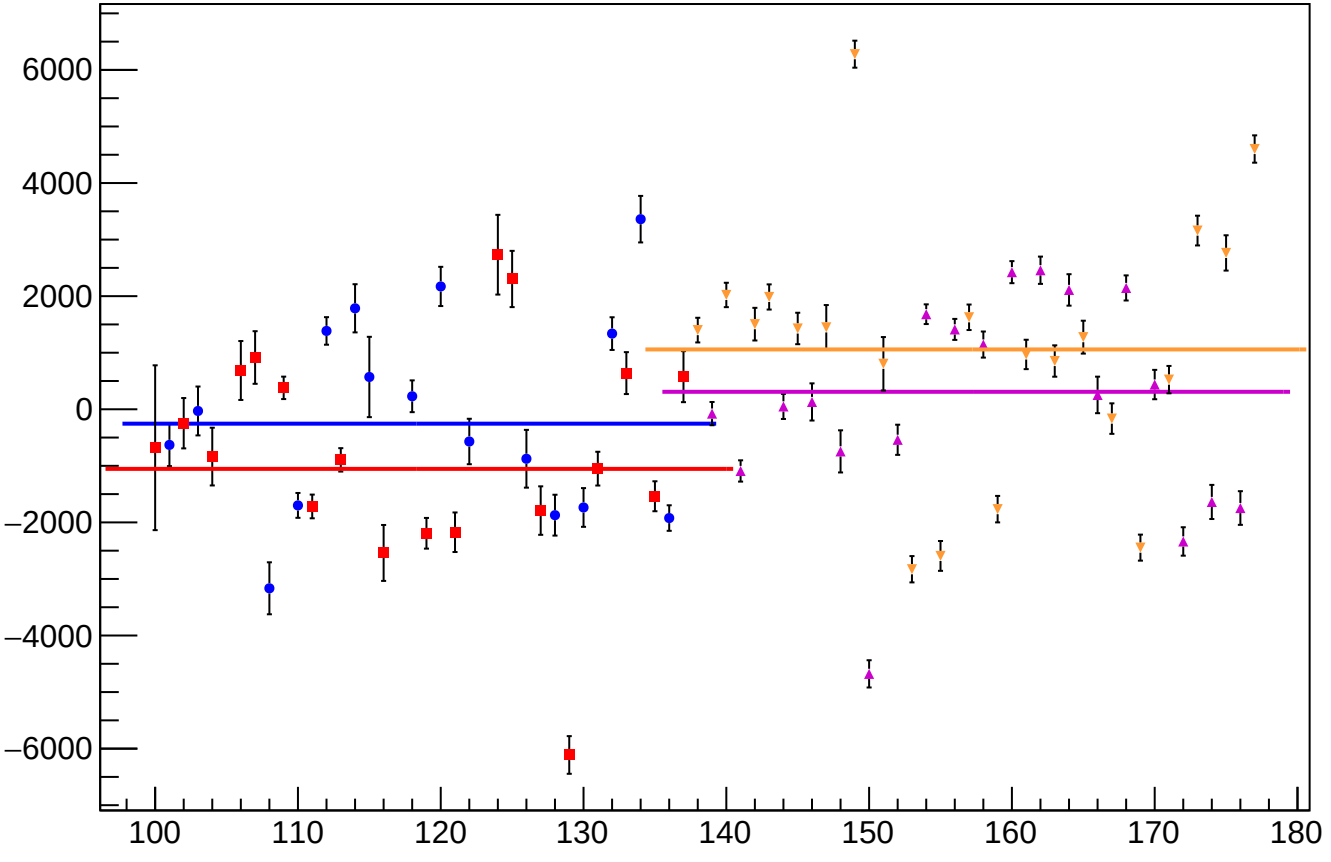
Right: 193.789+/-0.038 χ^2/NDF: 2601774.8/34

In: 199.952+/-0.031 χ^2/NDF:2145770.9/34

Out: 206.074+/-0.031 χ^2/NDF:2578950.2/39

All: 203.014+/-0.022 χ^2/NDF: 4744312.7/74

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 1058.155+/-56.071 χ^2/NDF:1712.8/20

Right Out: -1053.731+/-75.969 χ^2/NDF: 477.7/18

Left In: 309.014+/-54.232 χ^2/NDF:1125.6/18

Left: 671.093+/-38.982 χ^2/NDF: 2930.6/39

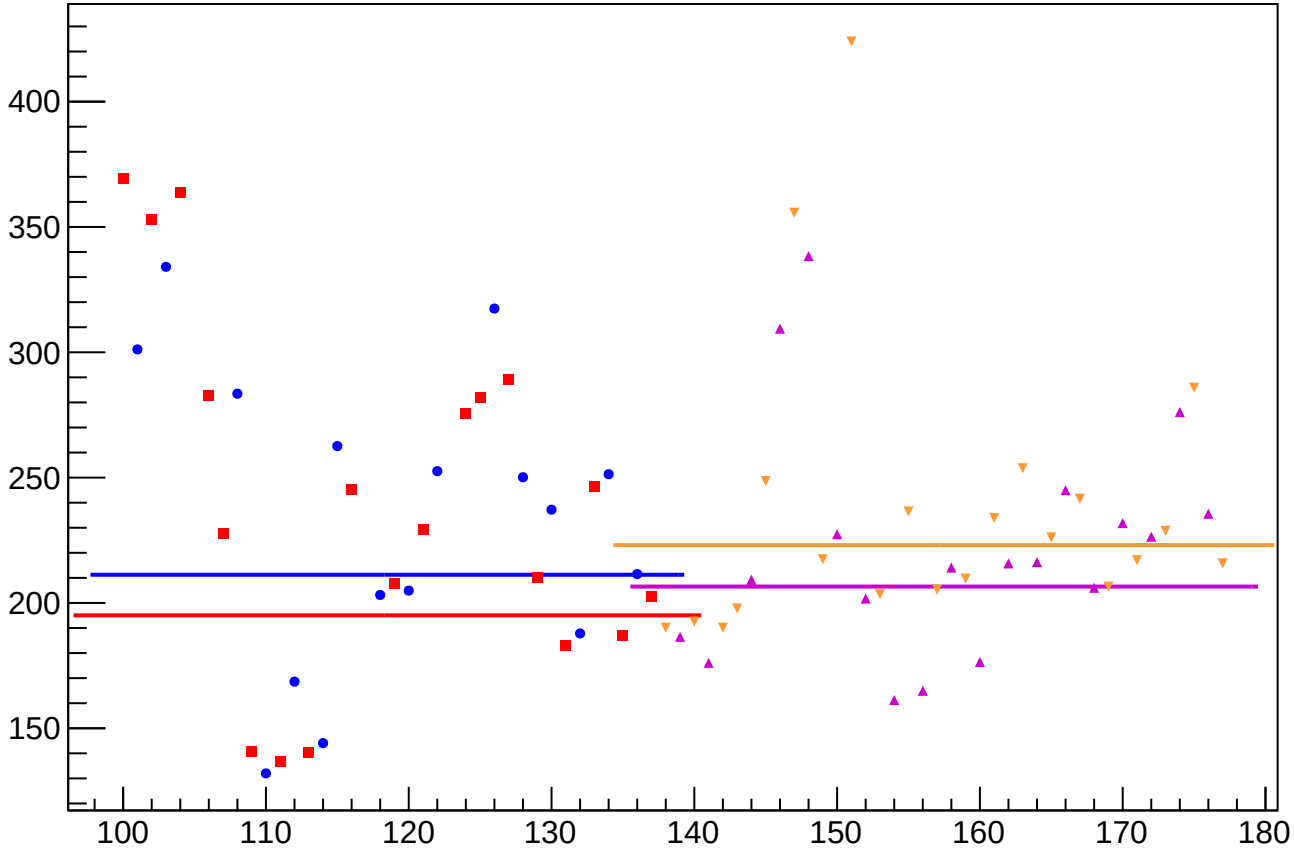
Right: -686.933+/-55.882 χ^2/NDF: 937.7/34

In: 138.964+/-45.316 χ^2/NDF:1567.4/34

Out: 313.396+/-45.114 χ^2/NDF:2690.7/39

All: 226.569+/-31.971 χ^2/NDF: 4265.6/74

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 223.083+/-0.040 χ^2/NDF:914612.4/20

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

Left In: 206.537+/-0.038 χ^2/NDF:1009699.2/18

Left: 214.534+/-0.028 χ^2/NDF: 2014296.6/39

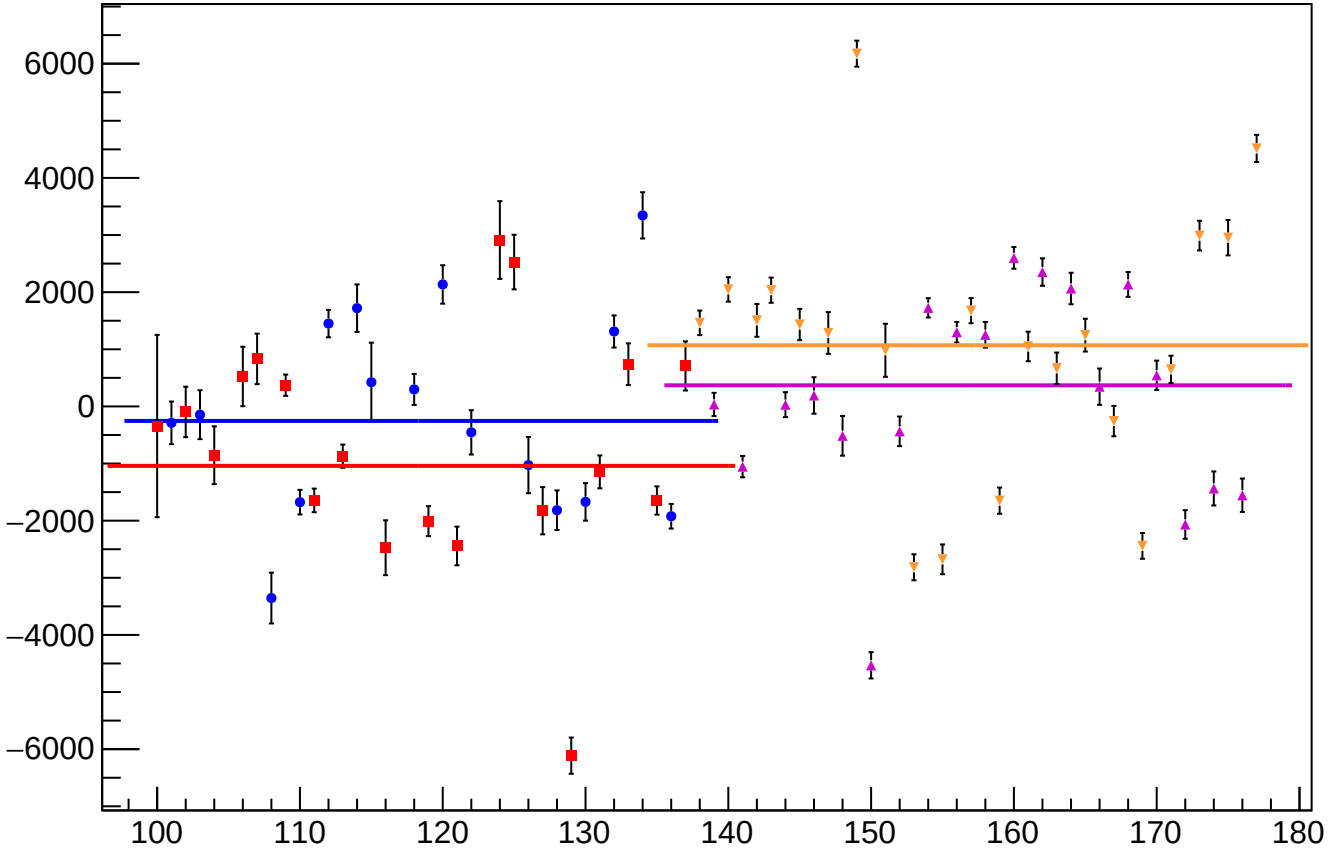
Right: 202.492+/-0.040 χ^2/NDF: 2210941.3/34

In: 207.960+/-0.032 χ^2/NDF:1898627.9/34

Out: 213.201+/-0.032 χ^2/NDF:2375649.0/39

All: 210.593+/-0.023 χ^2/NDF: 4287712.4/74

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 1070.397+/-55.104 χ^2/NDF:1771.9/20

Right Out: -1040.361+/-73.363 χ^2/NDF: 533.4/18

Left In: 369.506+/-53.134 χ^2/NDF:1122.5/18

Left: 707.200+/-38.249 χ^2/NDF: 2978.2/39

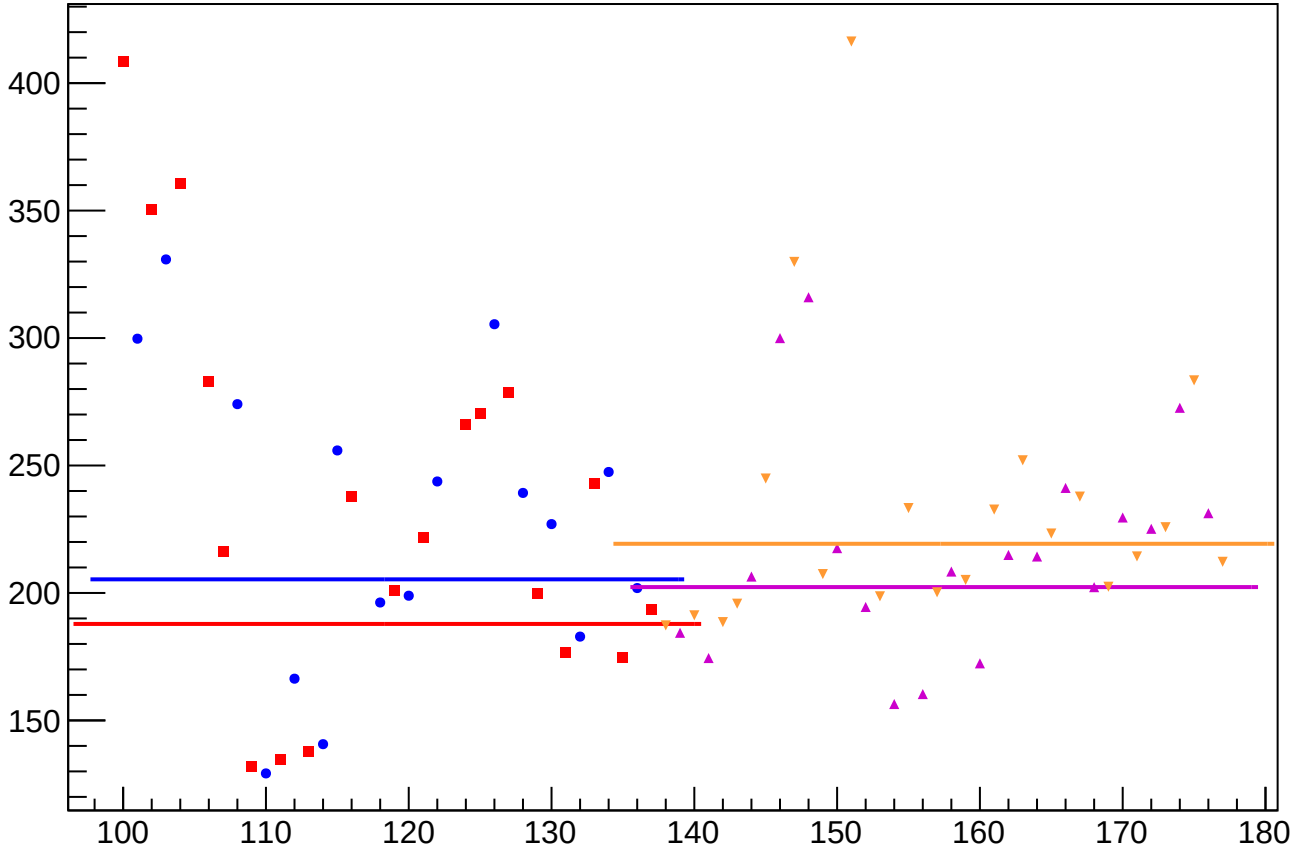
Right: -682.251+/-54.138 χ^2/NDF: 1017.8/34

In: 179.373+/-44.298 χ^2/NDF:1596.5/34

Out: 309.086+/-44.059 χ^2/NDF:2834.5/39

All: 244.581+/-31.239 χ^2/NDF: 4435.3/74

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 219.292+/-0.039 χ^2/NDF:880547.1/20

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

Left In: 202.308+/-0.038 χ^2/NDF:988106.7/18

Left: 210.491+/-0.027 χ^2/NDF: 1967119.4/39

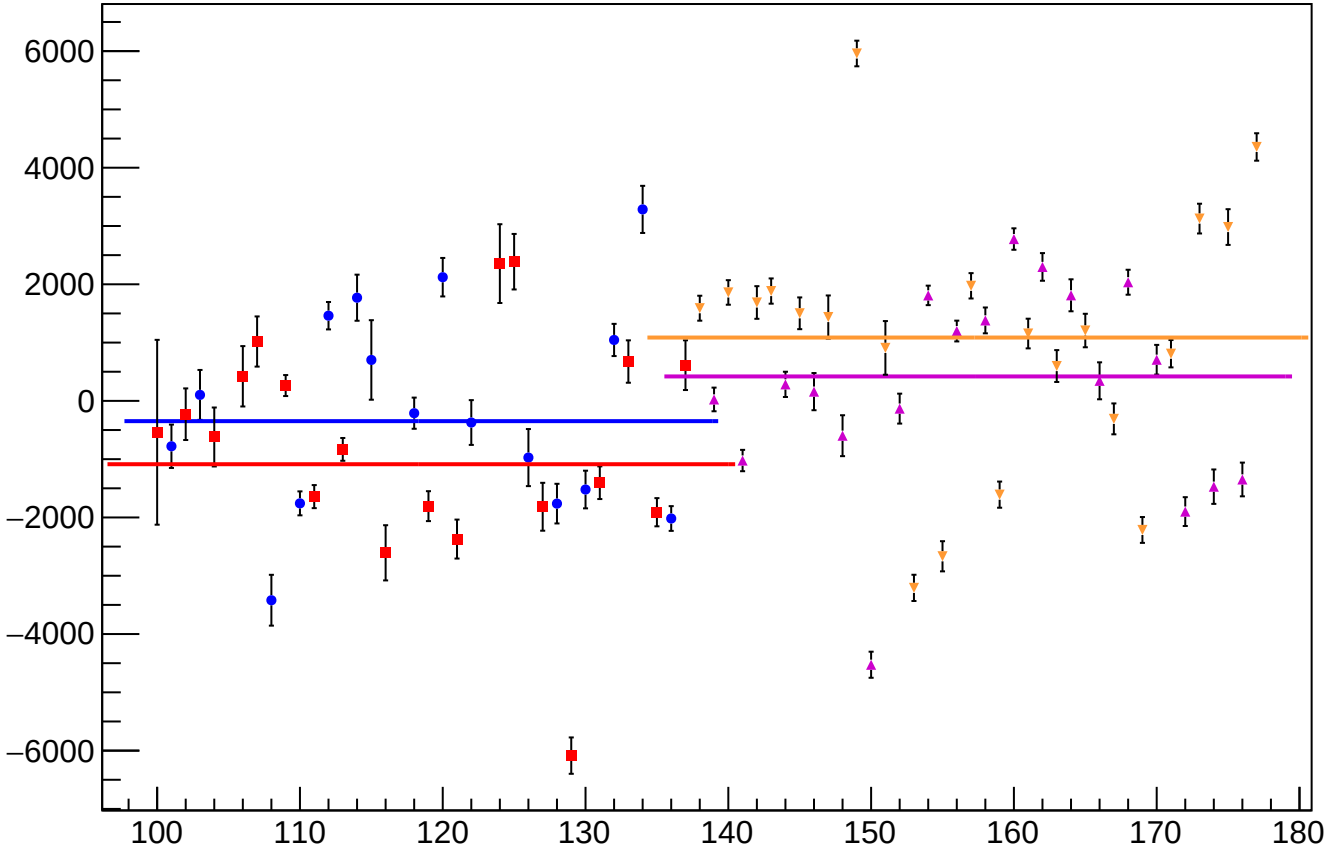
Right: 195.815+/-0.038 χ^2/NDF: 2266235.0/34

In: 203.233+/-0.031 χ^2/NDF:1867493.2/34

Out: 207.951+/-0.031 χ^2/NDF:2452491.2/39

All: 205.605+/-0.022 χ^2/NDF: 4331391.5/74

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 1086.526+/-54.394 χ^2/NDF:1816.2/20

Right Out: -1086.638+/-71.539 χ^2/NDF: 527.2/18

Left In: 419.297+/-52.442 χ^2/NDF:1152.3/18

Left: 740.729+/-37.753 χ^2/NDF: 3046.5/39

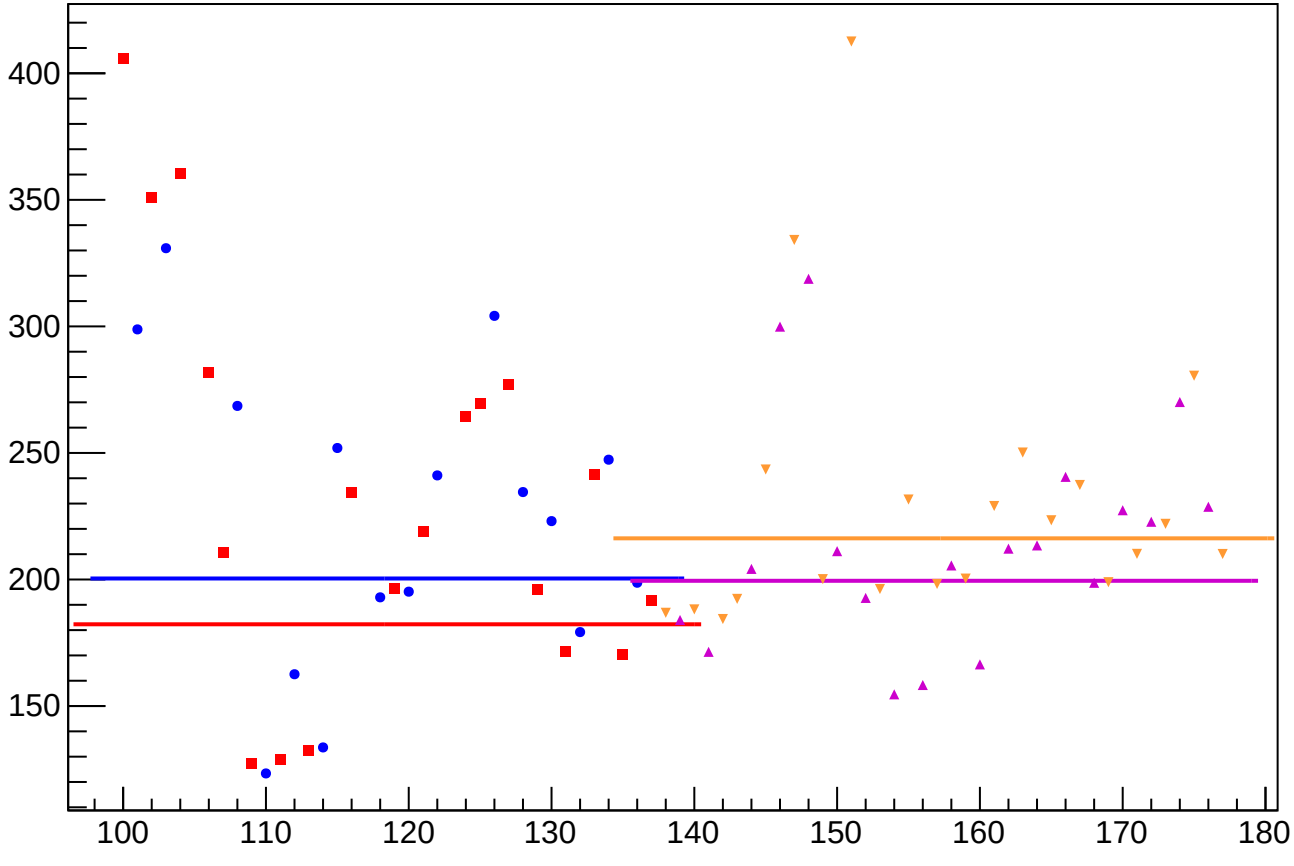
Right: -751.676+/-52.896 χ^2/NDF: 1021.4/34

In: 182.907+/-43.618 χ^2/NDF:1664.0/34

Out: 290.425+/-43.299 χ^2/NDF:2928.2/39

All: 237.061+/-30.729 χ^2/NDF: 4595.2/74

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 216.263+/-0.038 χ^2/NDF:921106.7/20

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

Left In: 199.486+/-0.037 χ^2/NDF:1033521.4/18

Left: 207.568+/-0.027 χ^2/NDF: 2053241.9/39

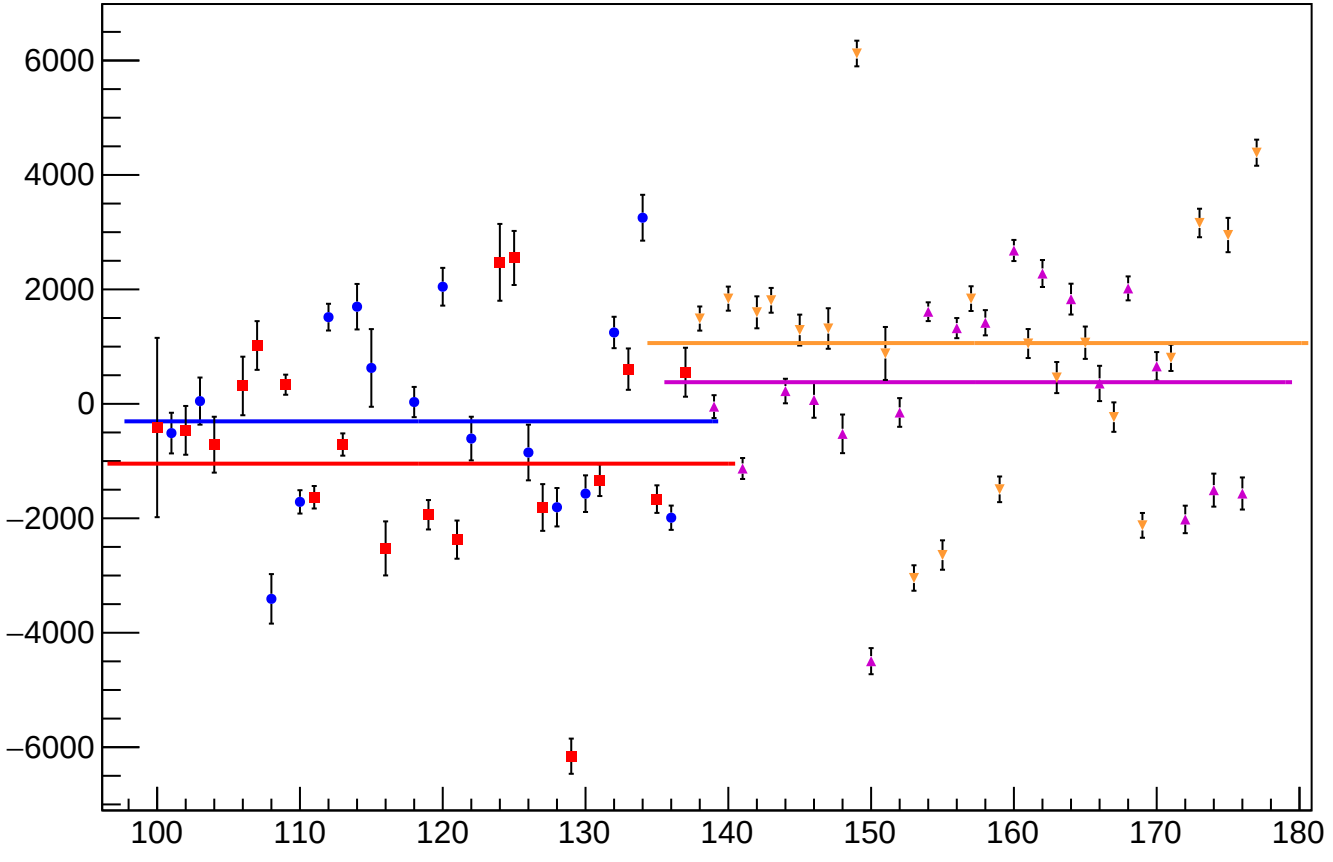
Right: 190.505+/-0.037 χ^2/NDF: 2464212.0/34

In: 199.767+/-0.031 χ^2/NDF:1992709.0/34

Out: 203.822+/-0.031 χ^2/NDF:2653923.9/39

All: 201.810+/-0.022 χ^2/NDF: 4655338.5/74

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 1062.265+/-53.802 χ^2/NDF:1805.1/20

Right Out: -1045.144+/-70.824 χ^2/NDF: 552.2/18

Left In: 378.612+/-51.739 χ^2/NDF:1151.8/18

Left: 707.080+/-37.293 χ^2/NDF: 3040.8/39

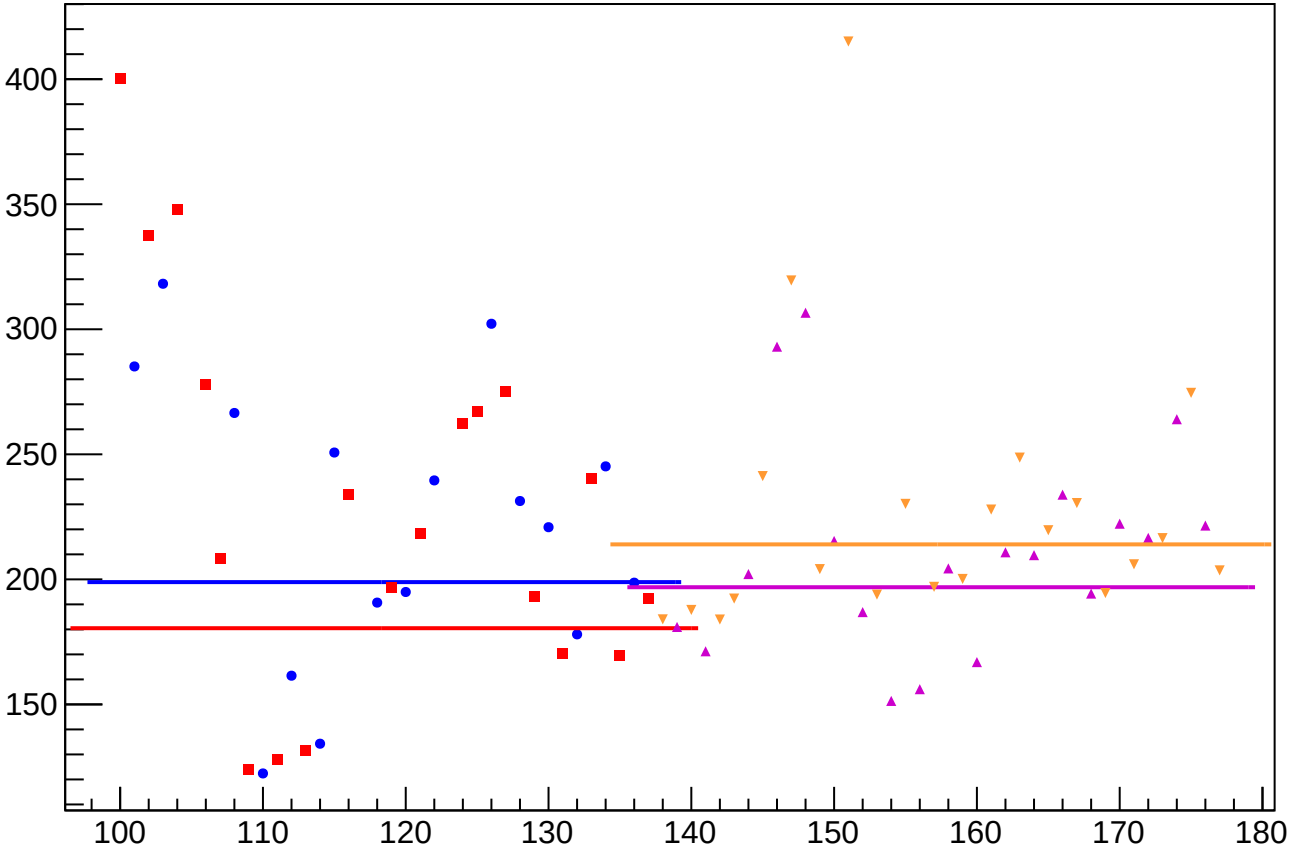
Right: -710.354+/-52.394 χ^2/NDF: 1053.3/34

In: 169.041+/-43.094 χ^2/NDF:1657.2/34

Out: 291.115+/-42.842 χ^2/NDF:2918.7/39

All: 230.436+/-30.383 χ^2/NDF: 4579.9/74

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 213.991+/-0.038 χ^2/NDF:890303.9/20

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

Left In: 196.858+/-0.037 χ^2/NDF:985805.4/18

Left: 205.090+/-0.026 χ^2/NDF: 1981480.1/39

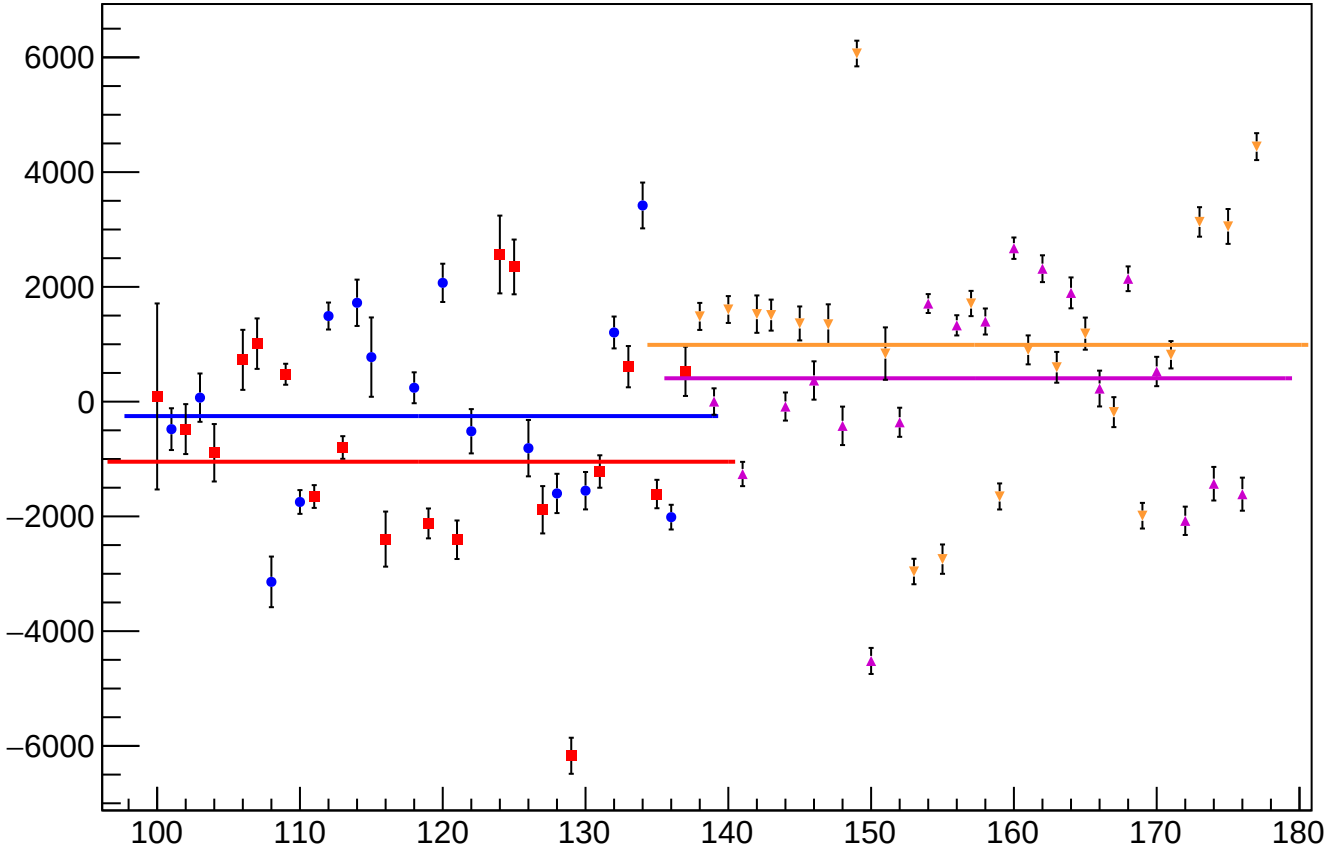
Right: 188.816+/-0.037 χ^2/NDF: 2408514.3/34

In: 197.484+/-0.030 χ^2/NDF:1899526.6/34

Out: 201.726+/-0.030 χ^2/NDF:2608787.6/39

All: 199.618+/-0.021 χ^2/NDF: 4518059.6/74

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 989.516+/-56.065 χ^2/NDF:1744.0/20

Right Out: -1047.132+/-72.190 χ^2/NDF: 546.7/18

Left In: 407.120+/-53.664 χ^2/NDF:1164.4/18

Left: 685.579+/-38.767 χ^2/NDF: 2964.7/39

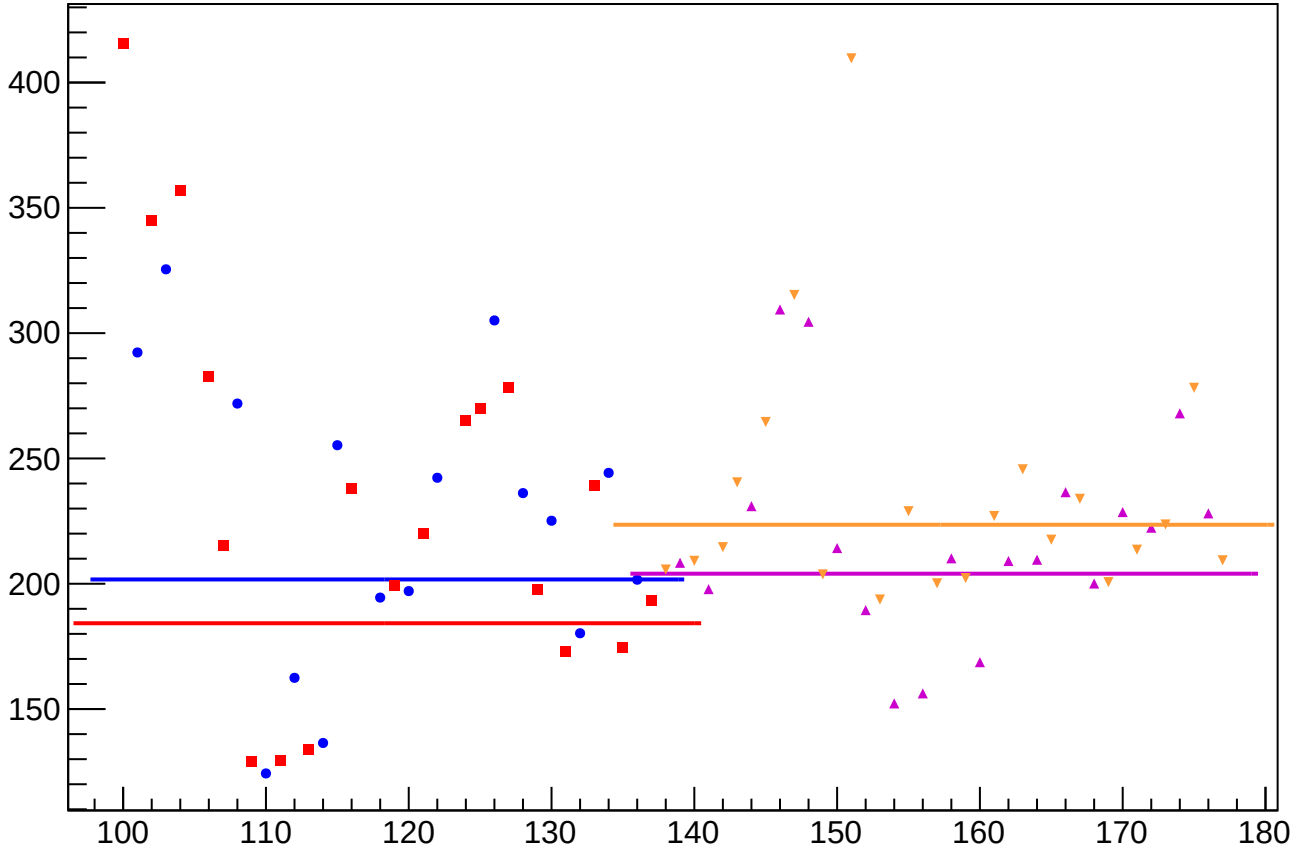
Right: -685.086+/-53.283 χ^2/NDF: 1043.2/34

In: 198.980+/-44.386 χ^2/NDF:1653.2/34

Out: 223.262+/-44.280 χ^2/NDF:2787.2/39

All: 211.150+/-31.348 χ^2/NDF: 4440.6/74

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 223.549+/-0.040 χ^2/NDF:743940.7/20

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

Left In: 204.016+/-0.038 χ^2/NDF:997099.3/18

Left: 213.355+/-0.027 χ^2/NDF: 1867729.7/39

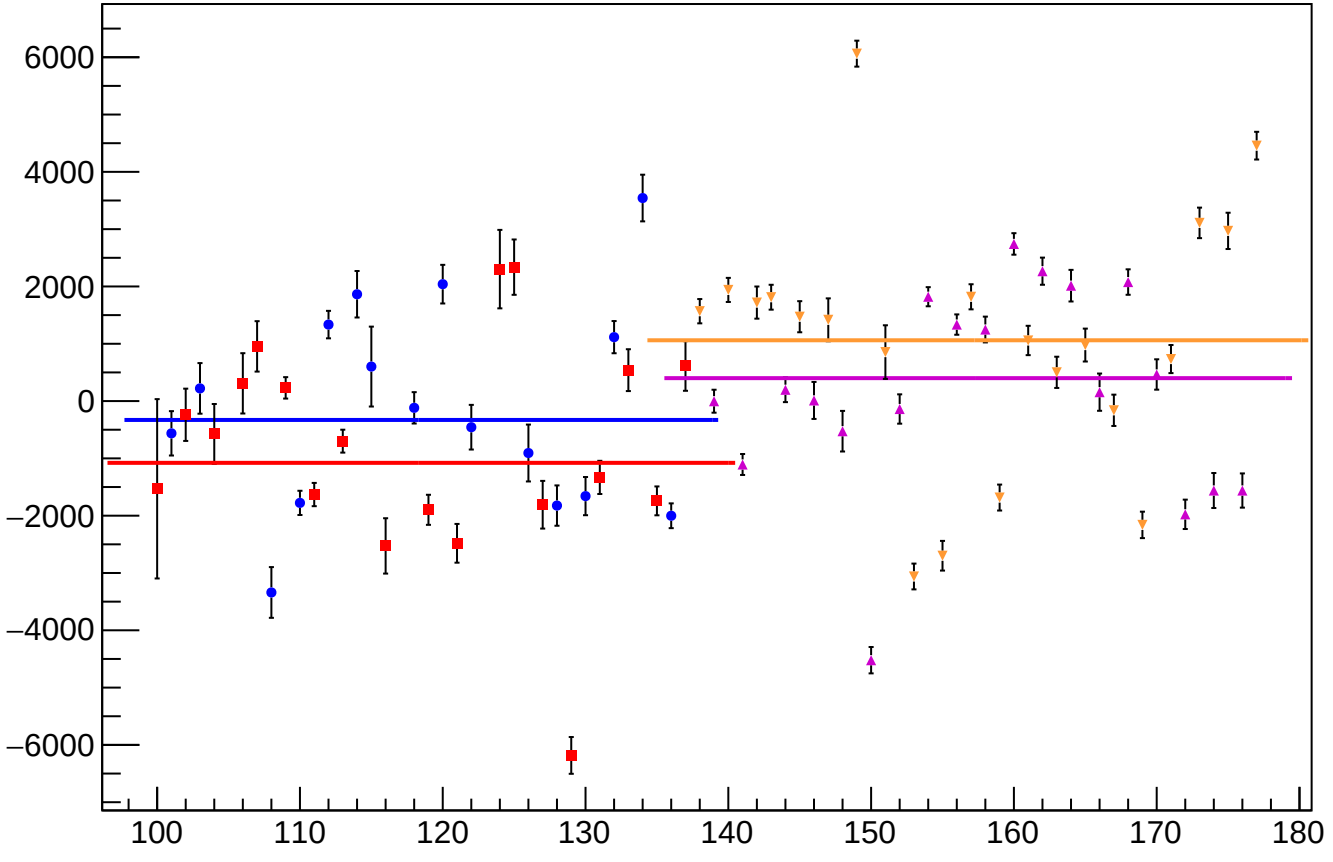
Right: 192.196+/-0.038 χ^2/NDF: 2381288.1/34

In: 203.289+/-0.031 χ^2/NDF:1922472.2/34

Out: 208.761+/-0.031 χ^2/NDF:2517522.8/39

All: 206.031+/-0.022 χ^2/NDF: 4455231.9/74

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 1060.877+/-55.095 χ^2/NDF:1750.1/20

Right Out: -1077.876+/-73.404 χ^2/NDF: 502.0/18

Left In: 400.103+/-53.006 χ^2/NDF:1137.9/18

Left: 717.727+/-38.198 χ^2/NDF: 2962.7/39

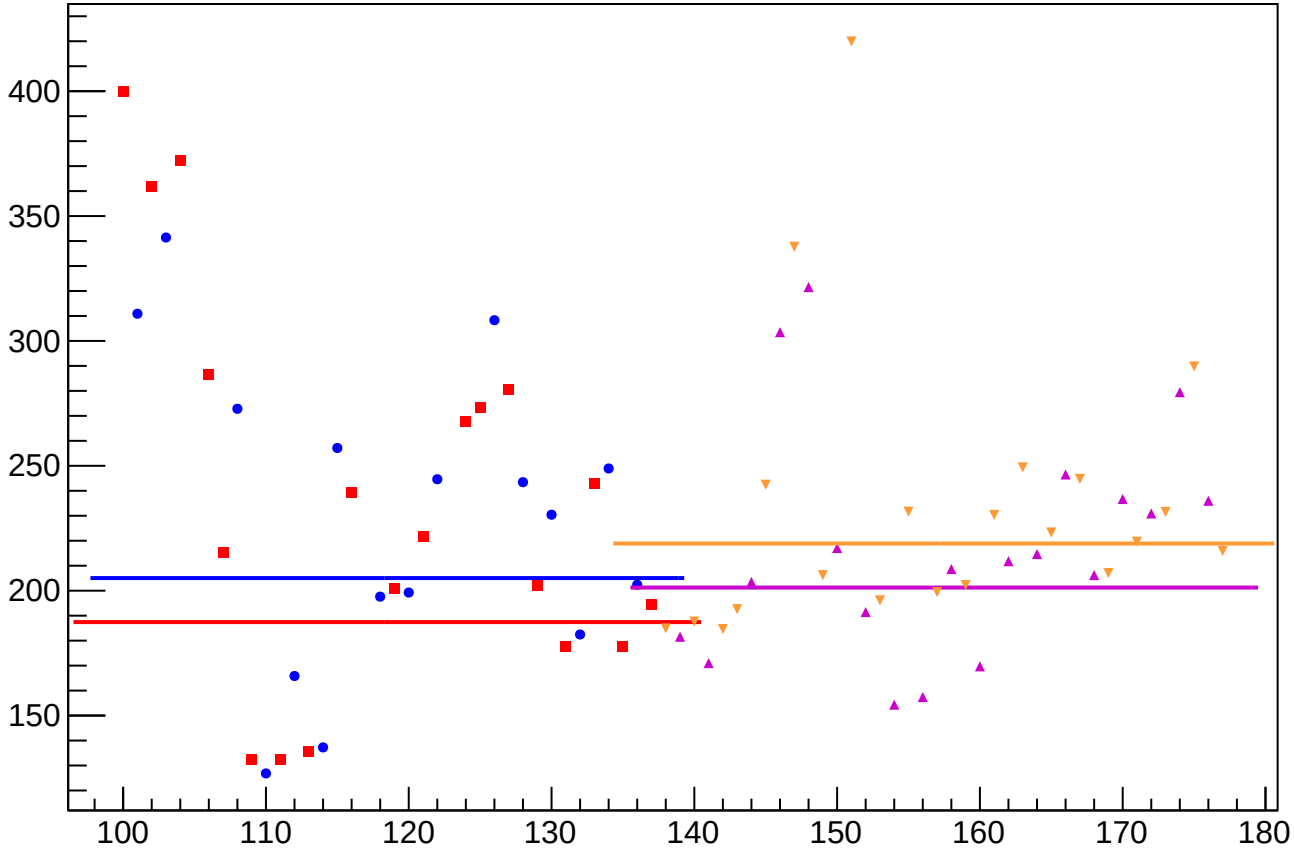
Right: -737.449+/-54.199 χ^2/NDF: 985.7/34

In: 178.971+/-44.248 χ^2/NDF:1631.7/34

Out: 290.183+/-44.064 χ^2/NDF:2795.1/39

All: 234.810+/-31.223 χ^2/NDF: 4430.0/74

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 218.893+/-0.039 χ^2/NDF:956087.1/20

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

Left In: 201.254+/-0.037 χ^2/NDF:1126014.8/18

Left: 209.733+/-0.027 χ^2/NDF: 2188565.6/39

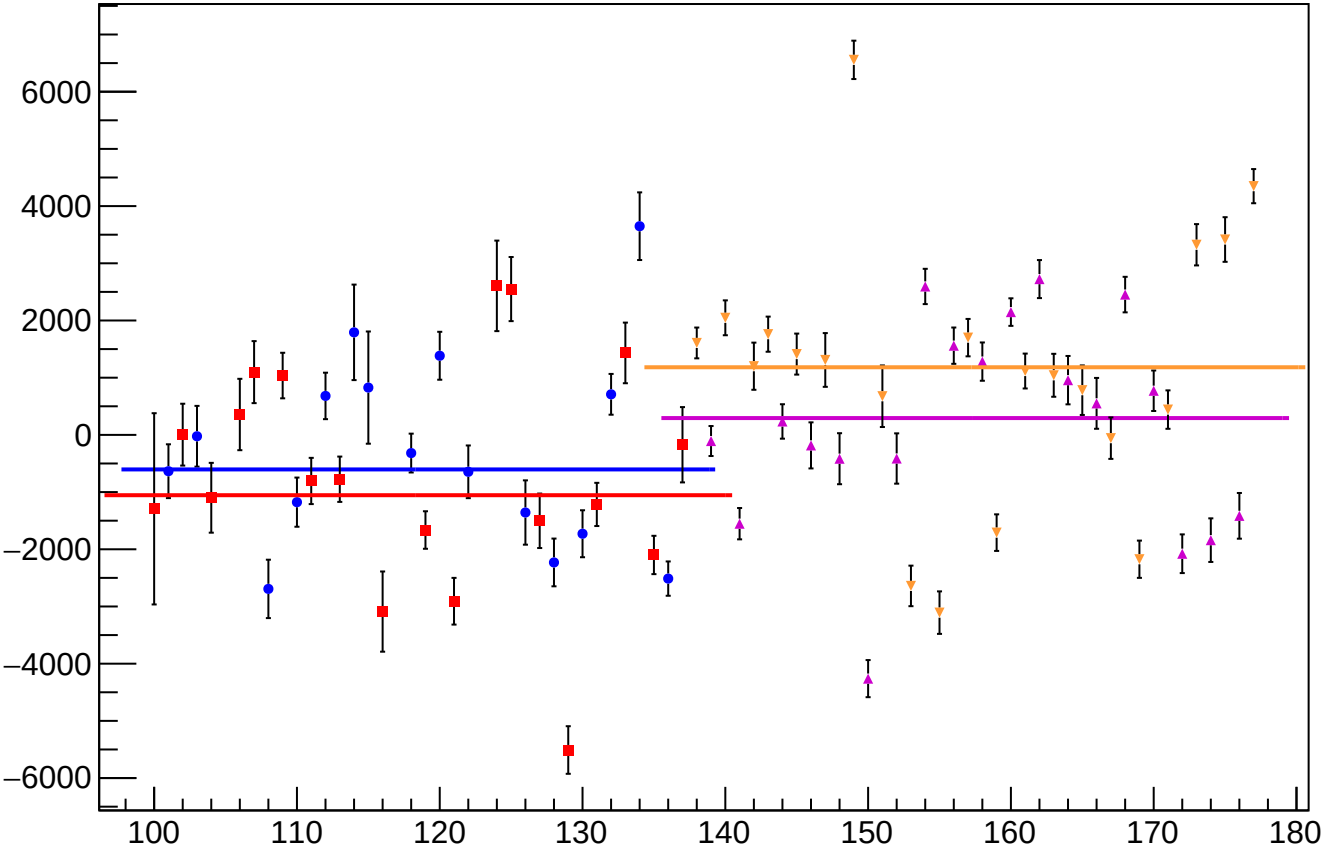
Right: 195.446+/-0.038 χ^2/NDF: 2426275.9/34

In: 202.406+/-0.031 χ^2/NDF:2092180.9/34

Out: 207.556+/-0.031 χ^2/NDF:2601908.8/39

All: 204.992+/-0.022 χ^2/NDF: 4707694.7/74

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 1182.309+/-75.692 χ^2/NDF:910.2/20

Right Out: -1054.556+/-108.264 χ^2/NDF: 297.7/18

Left In: 294.033+/-76.409 χ^2/NDF:595.9/18

Left: 742.362+/-53.774 χ^2/NDF: 1574.3/39

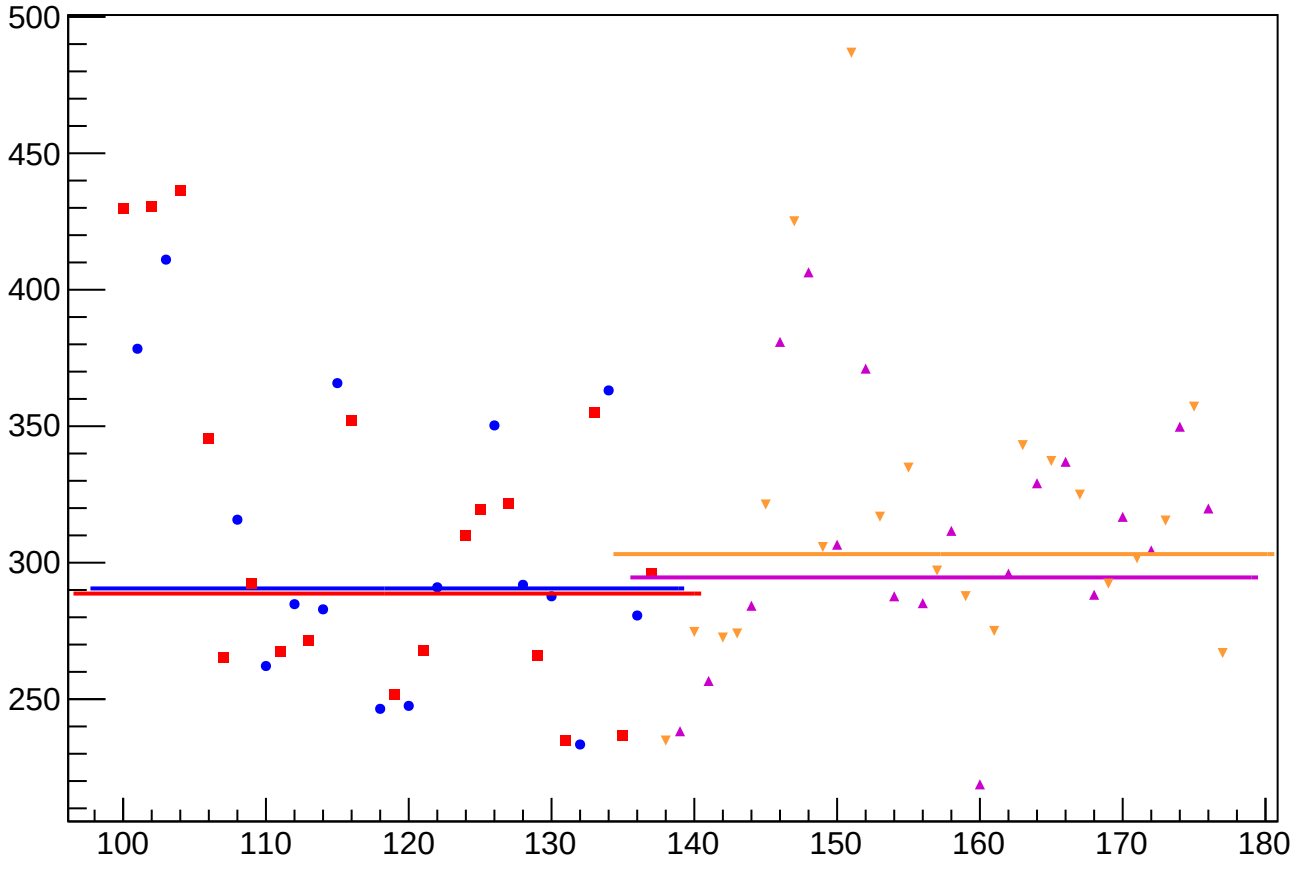
Right: -834.205+/-77.398 χ^2/NDF: 499.7/34

In: 4.268+/-62.883 χ^2/NDF:834.0/34

Out: 447.906+/-62.034 χ^2/NDF:1494.6/39

All: 229.101+/-44.162 χ^2/NDF: 2353.8/74

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 303.144+/-0.054 χ^2/NDF:702414.2/20

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

Left In: 294.599+/-0.054 χ^2/NDF:711768.2/18

Left: 298.912+/-0.038 χ^2/NDF: 1426805.1/39

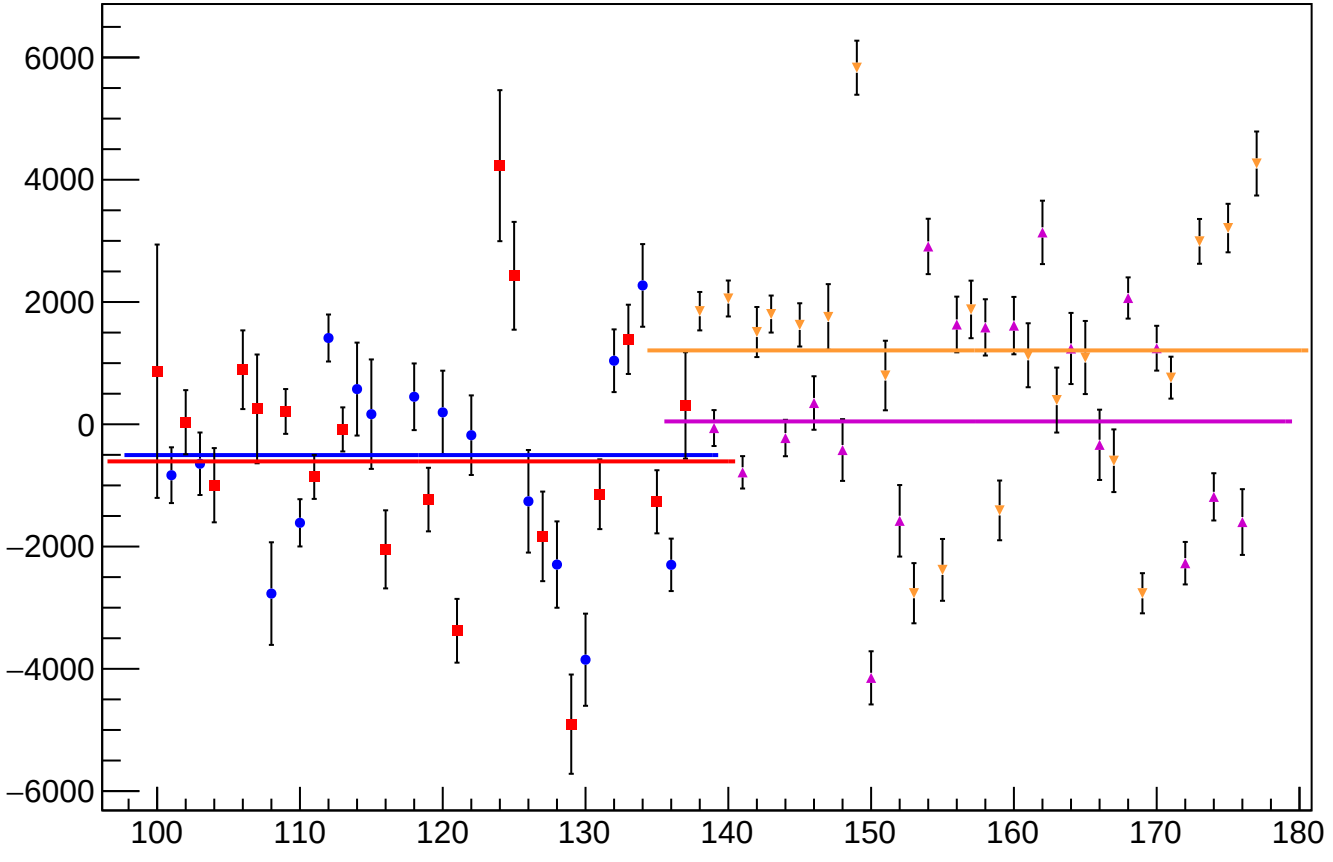
Right: 289.605+/-0.055 χ^2/NDF: 849196.8/34

In: 293.298+/-0.044 χ^2/NDF:1073373.5/34

Out: 298.397+/-0.044 χ^2/NDF:1215466.3/39

All: 295.882+/-0.031 χ^2/NDF: 2295505.0/74

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 1208.297+/-89.815 χ^2/NDF:521.4/20

Right Out: -606.880+/-129.609 χ^2/NDF: 125.1/18

Left In: 46.794+/-92.148 χ^2/NDF:338.0/18

Left: 642.434+/-64.318 χ^2/NDF: 940.9/39

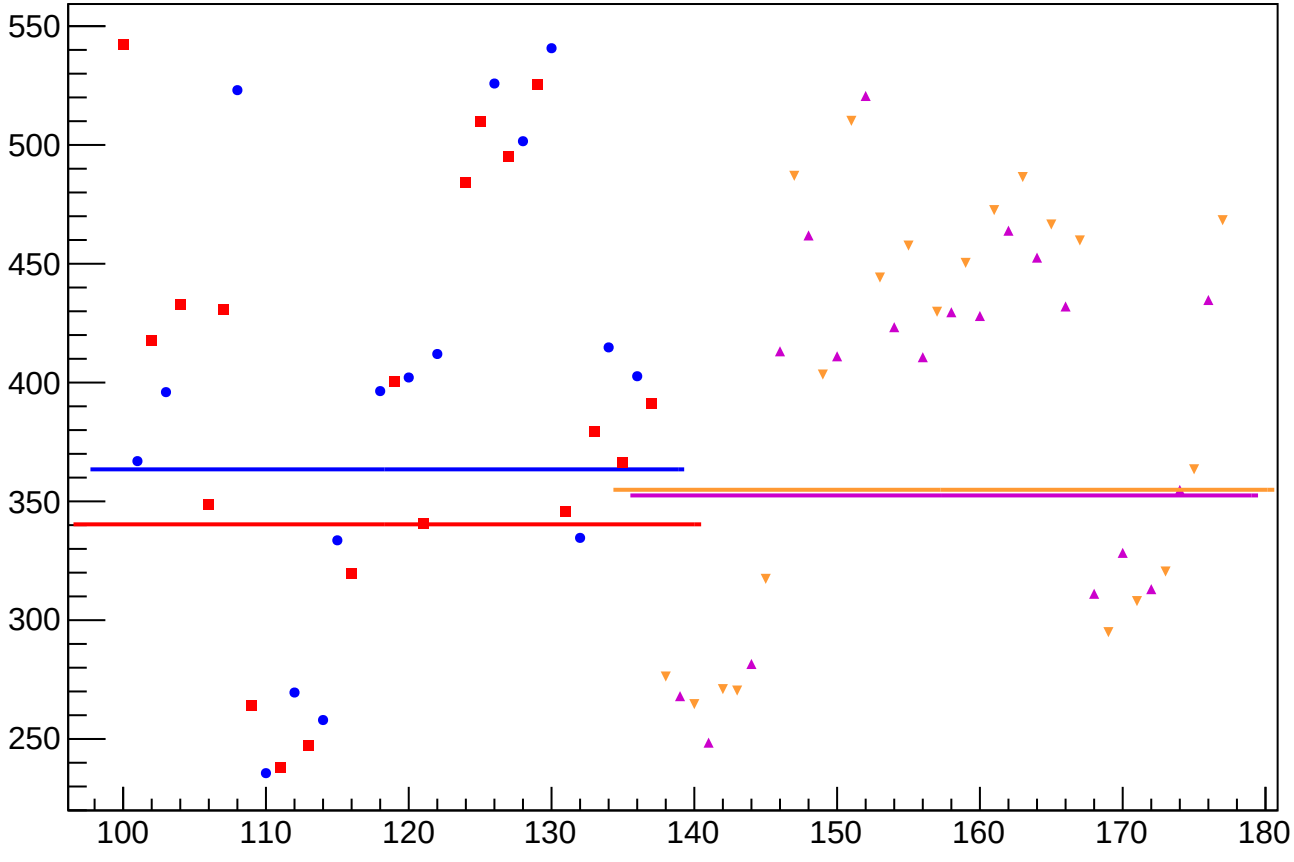
Right: -559.271+/-95.127 χ^2/NDF: 243.7/34

In: -119.502+/-76.981 χ^2/NDF:467.0/34

Out: 619.416+/-73.822 χ^2/NDF:779.0/39

All: 265.426+/-53.282 χ^2/NDF: 1294.0/74

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 354.878+/-0.064 χ^2/NDF:1738795.0/20

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

Left In: 352.493+/-0.065 χ^2/NDF:1411287.6/18

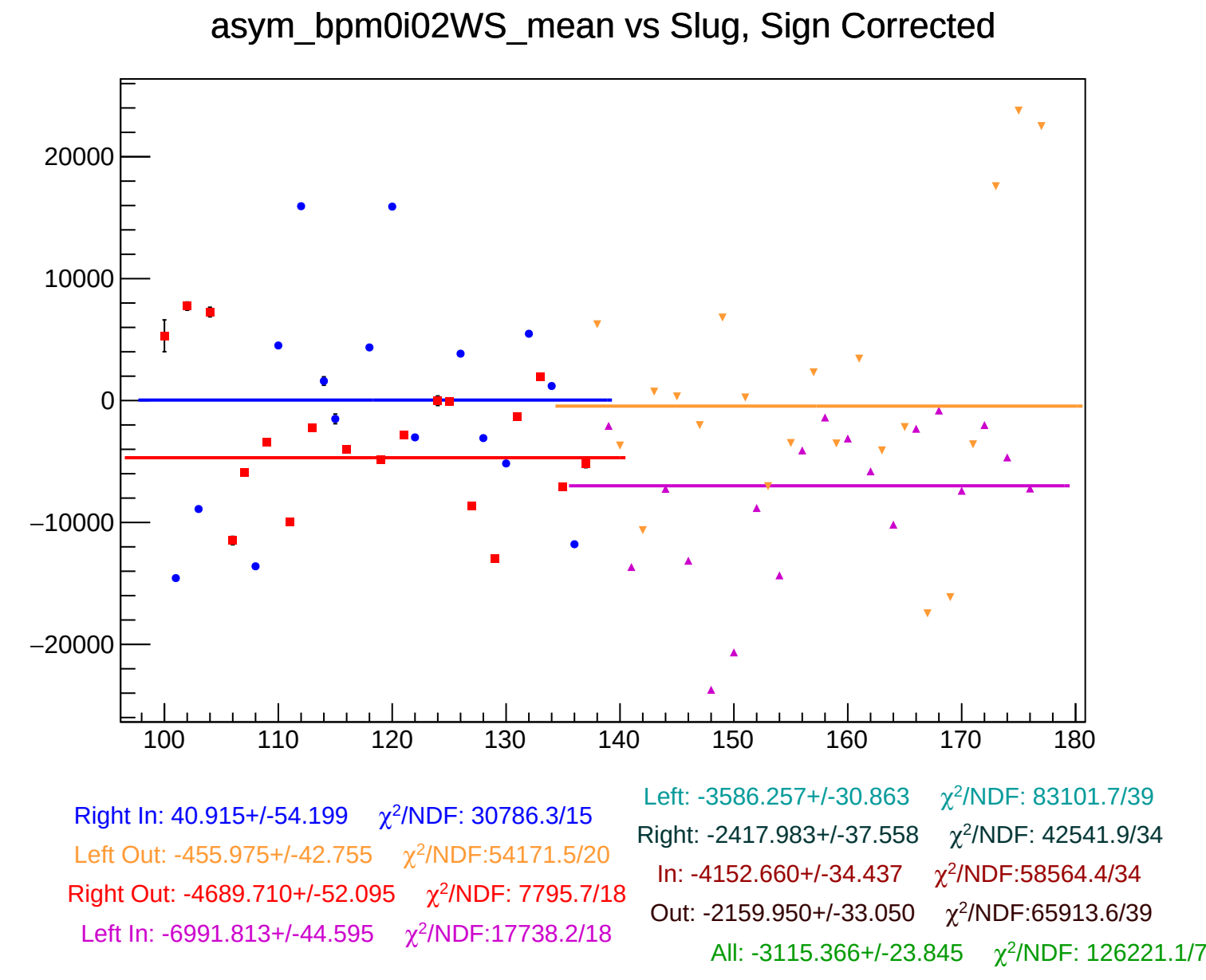
Left: 353.716+/-0.045 χ^2/NDF: 3150769.4/39

Right: 351.006+/-0.067 χ^2/NDF: 1666529.8/34

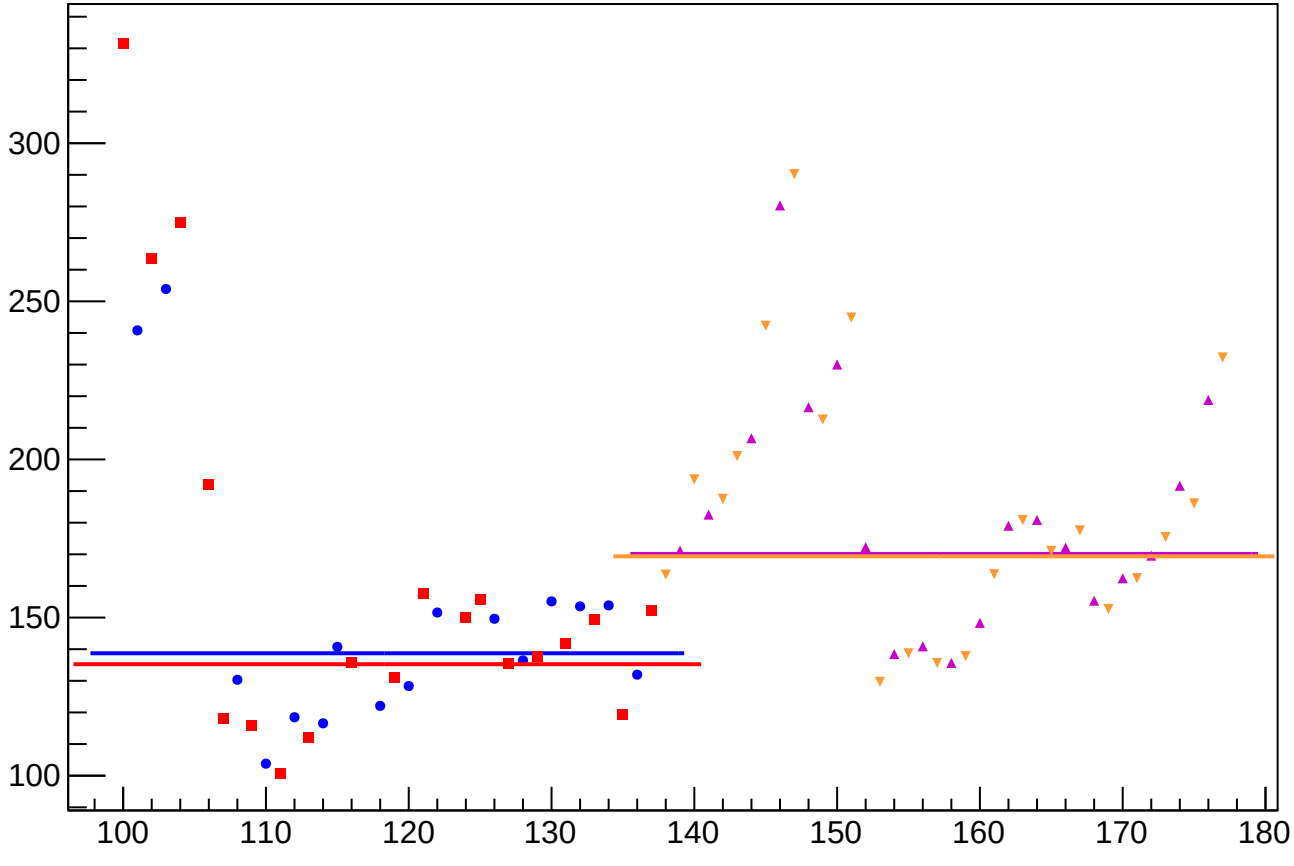
In: 355.810+/-0.054 χ^2/NDF:2200755.8/34

Out: 350.159+/-0.052 χ^2/NDF:2612043.5/39

All: 352.866+/-0.038 χ^2/NDF: 4818413.1/74


asym_bpm0i02WS_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: 40.915+/-54.199 χ²/NDF: 30786.3/15
Left Out: -455.975+/-42.755 χ²/NDF:54171.5/20
Right Out: -4689.710+/-52.095 χ²/NDF: 7795.7/18
Left In: -6991.813+/-44.595 χ²/NDF:17738.2/18
Left: -3586.257+/-30.863 χ²/NDF: 83101.7/39
Right: -2417.983+/-37.558 χ²/NDF: 42541.9/34
In: -4152.660+/-34.437 χ²/NDF:58564.4/34
Out: -2159.950+/-33.050 χ²/NDF:65913.6/39
All: -3115.366+/-23.845 χ²/NDF: 126221.1/7

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 169.364+/-0.030 χ^2/NDF:1299869.0/20

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 170.120+/-0.032 χ^2/NDF:951737.9/18

Left: 169.726+/-0.022 χ^2/NDF: 2251906.7/39

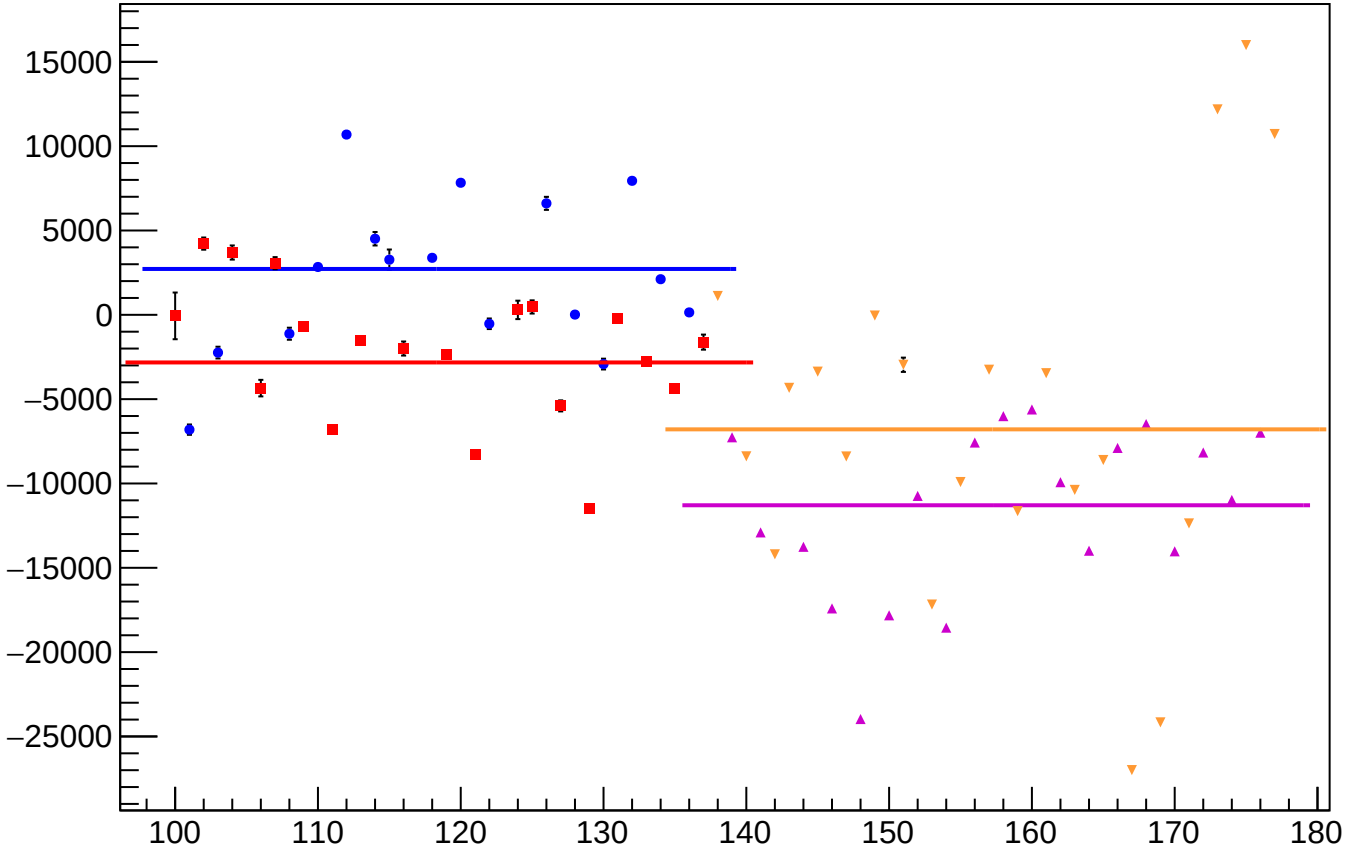
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 157.441+/-0.024 χ^2/NDF:2010028.3/34

Out: 155.632+/-0.023 χ^2/NDF:2702491.2/39

All: 156.499+/-0.017 χ^2/NDF: 4715391.3/74

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -6790.881+/-49.614 χ^2/NDF:45703.1/20

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -11291.807+/-47.500 χ^2/NDF:10841.7/18

Left: -9139.271+/-34.310 χ^2/NDF: 60838.9/39

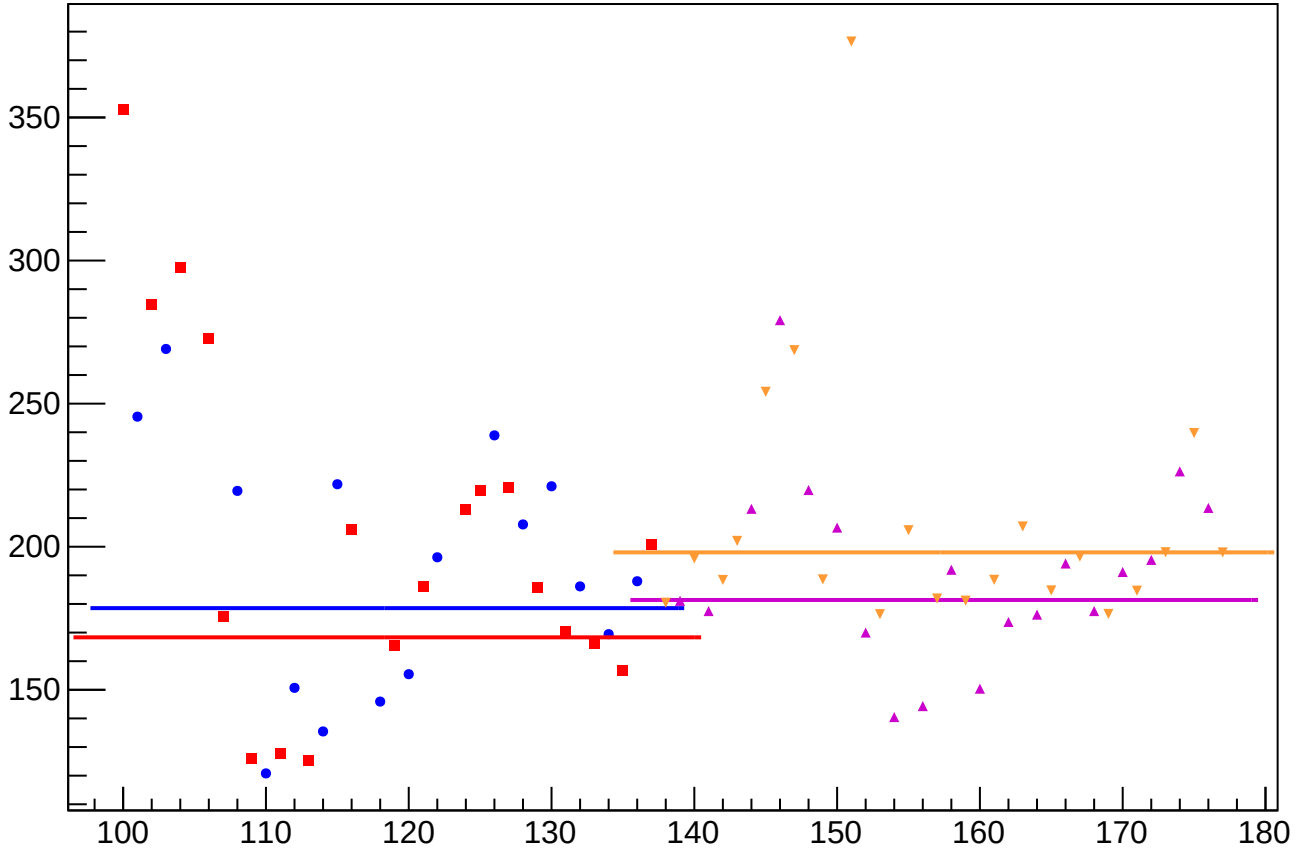
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -6808.465+/-39.170 χ^2/NDF:42813.5/34

Out: -5326.163+/-39.404 χ^2/NDF:51126.6/39

All: -6071.733+/-27.780 χ^2/NDF: 94651.8/74

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 198.027+/-0.035 χ^2/NDF:716878.9/20

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 181.391+/-0.034 χ^2/NDF:780519.3/18

Left: 189.347+/-0.024 χ^2/NDF: 1614732.1/39

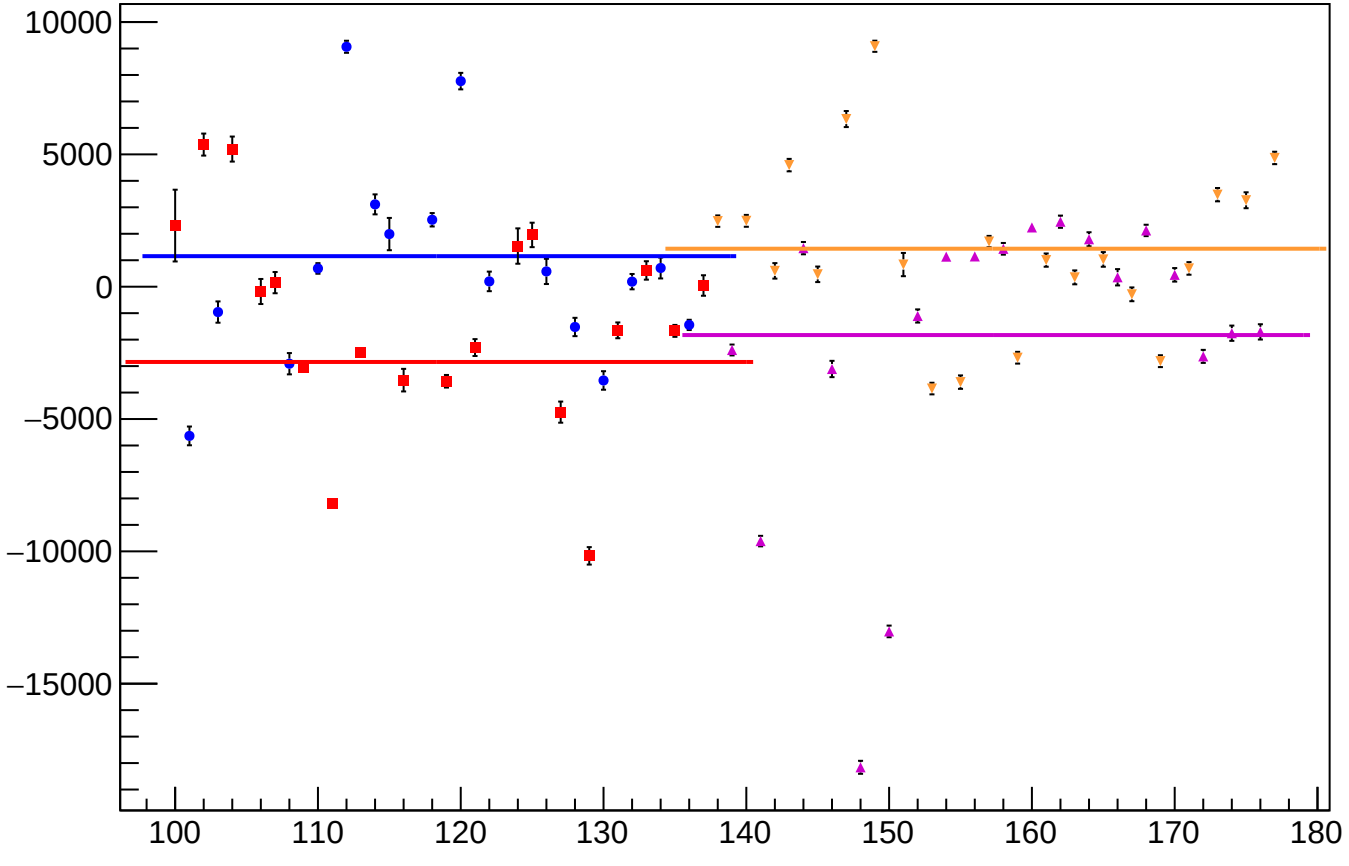
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 180.479+/-0.028 χ^2/NDF:1457388.9/34

Out: 187.065+/-0.028 χ^2/NDF:1960848.3/39

All: 183.752+/-0.020 χ^2/NDF: 3446336.3/74

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1435.579+/-54.270 χ^2/NDF:3887.2/20

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -1827.108+/-51.942 χ^2/NDF:11093.3/18

Left: -267.270+/-37.525 χ^2/NDF: 16866.9/39

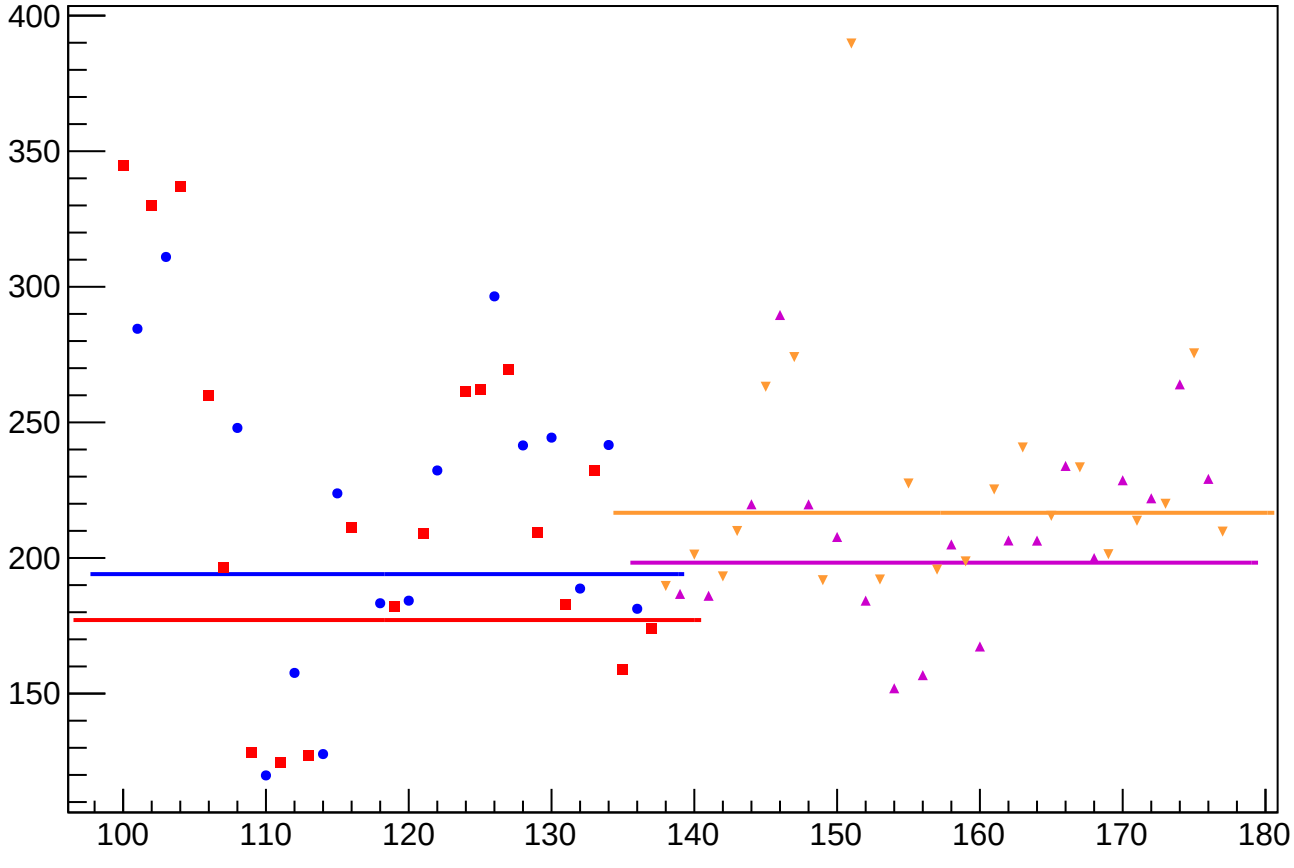
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -877.304+/-42.875 χ^2/NDF:14798.1/34

Out: -195.938+/-42.690 χ^2/NDF:8710.9/39

All: -535.143+/-30.252 χ^2/NDF: 23635.8/74

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 216.667+/-0.038 χ^2/NDF:690691.6/20

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 198.270+/-0.037 χ^2/NDF:763146.2/18

Left: 207.065+/-0.027 χ^2/NDF: 1573787.0/39

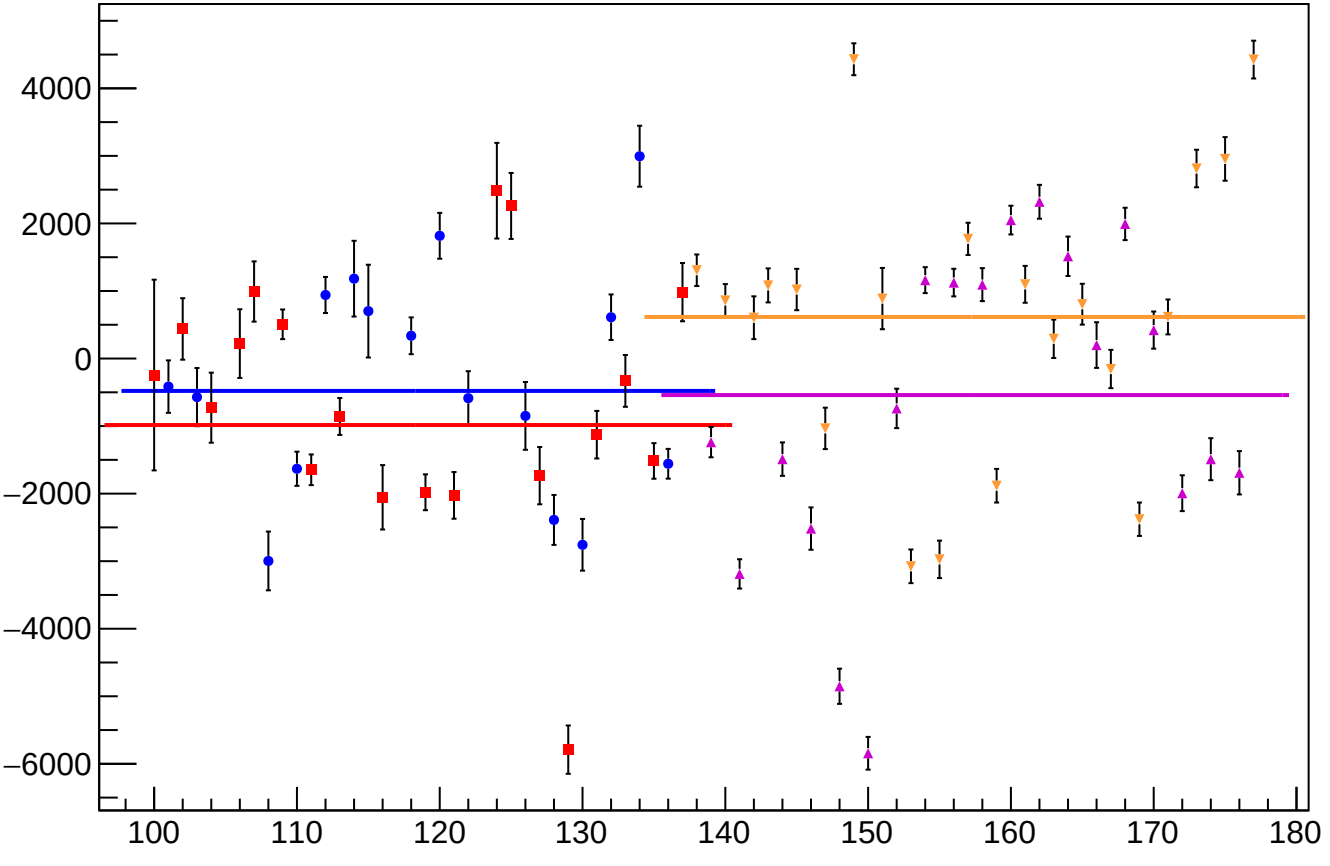
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 196.926+/-0.030 χ^2/NDF:1733132.0/34

Out: 201.588+/-0.030 χ^2/NDF:2455015.5/39

All: 199.267+/-0.021 χ^2/NDF: 4200020.8/74

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 615.556+/-59.376 χ^2/NDF:1275.6/20

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -540.953+/-57.502 χ^2/NDF:1665.0/18

Left: 18.768+/-41.307 χ^2/NDF: 3136.3/39

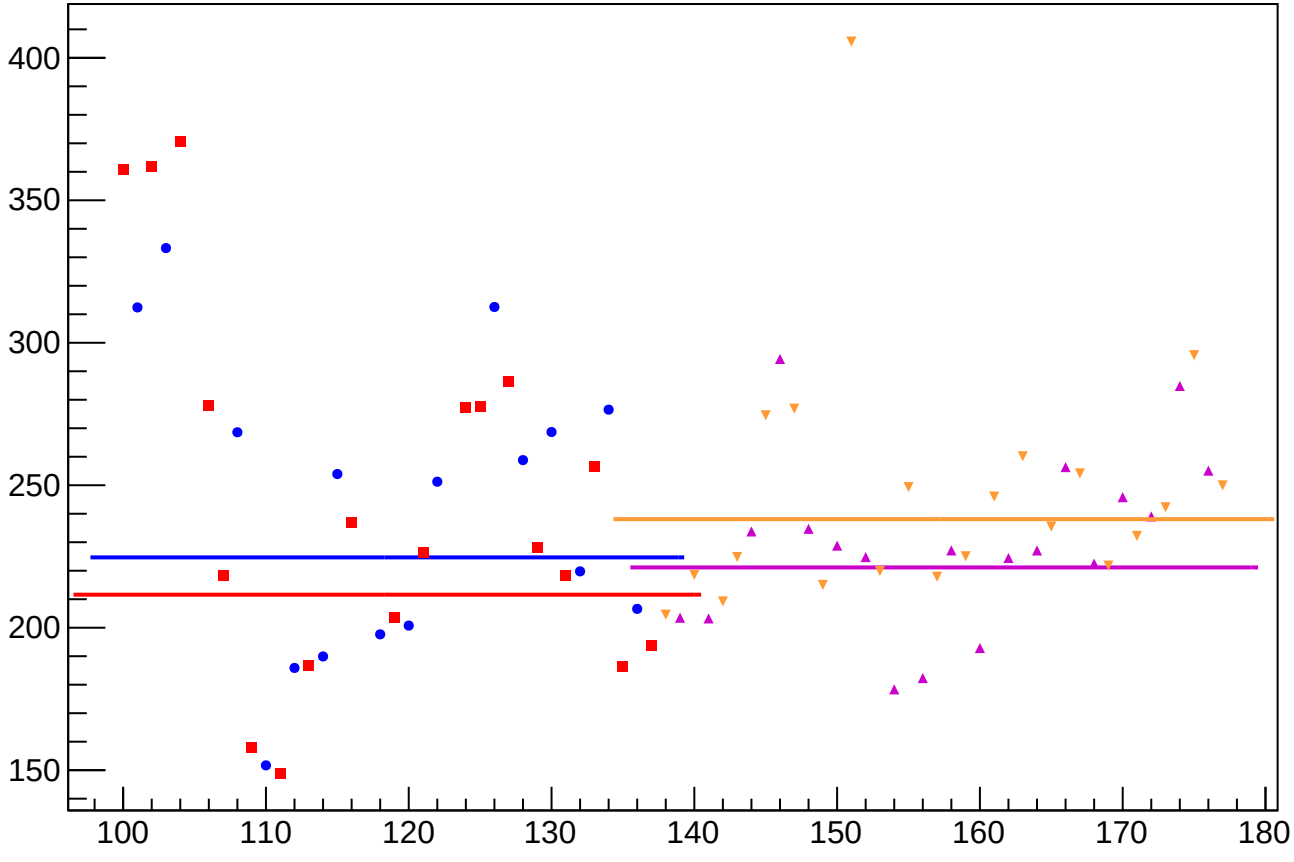
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -522.114+/-47.918 χ^2/NDF:1970.8/34

Out: 55.803+/-47.877 χ^2/NDF:1927.7/39

All: -232.905+/-33.869 χ^2/NDF: 3971.3/74

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 238.098+/-0.042 χ^2/NDF:560092.5/20

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 221.158+/-0.041 χ^2/NDF:510069.5/18

Left: 229.356+/-0.029 χ^2/NDF: 1154167.0/39

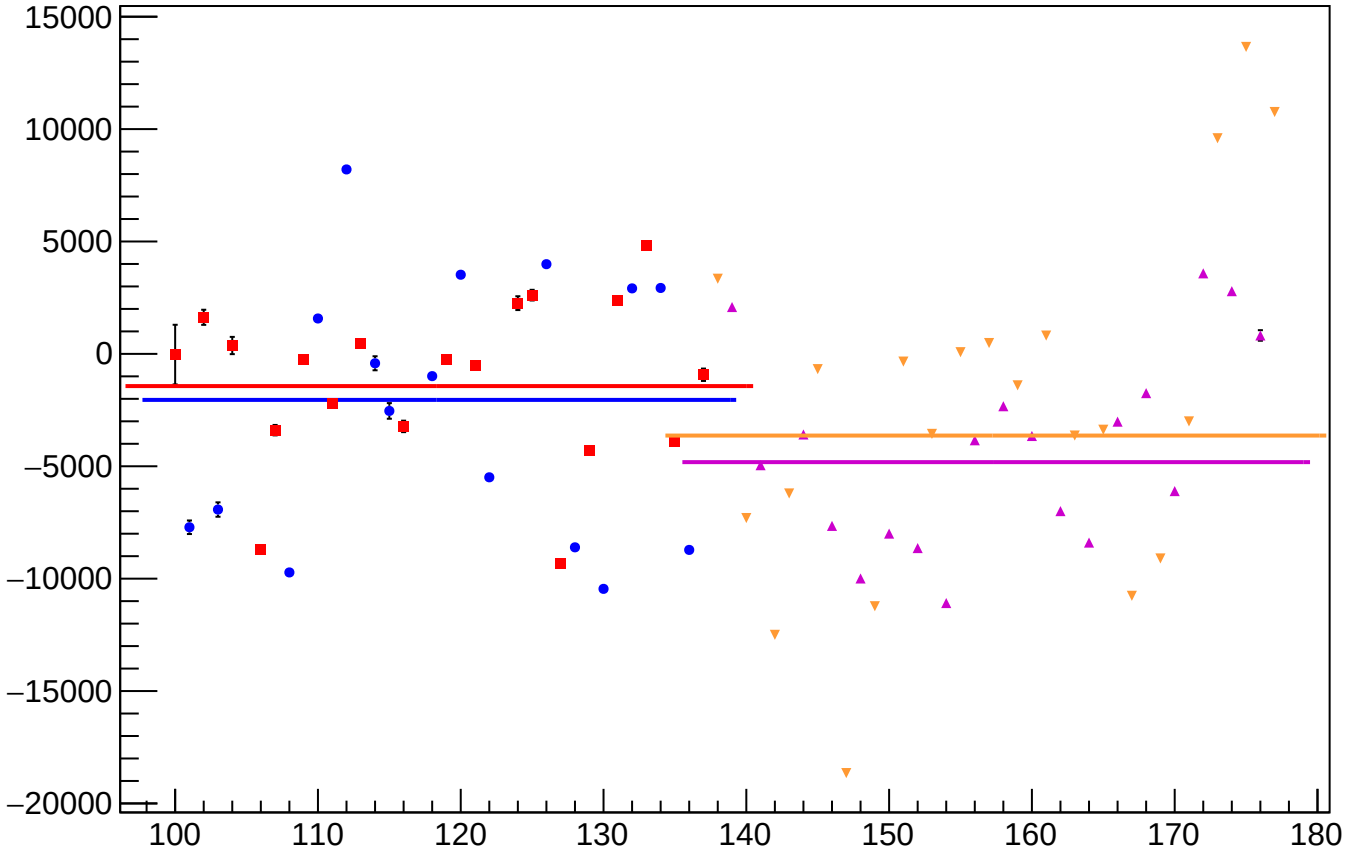
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 222.235+/-0.034 χ^2/NDF:1165559.6/34

Out: 228.826+/-0.034 χ^2/NDF:1632390.1/39

All: 225.533+/-0.024 χ^2/NDF: 2816886.9/74

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -3633.758+/-31.893 χ^2/NDF:51612.4/20

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -4816.123+/-33.157 χ^2/NDF:15227.7/18

Left: -4201.984+/-22.986 χ^2/NDF: 67500.7/39

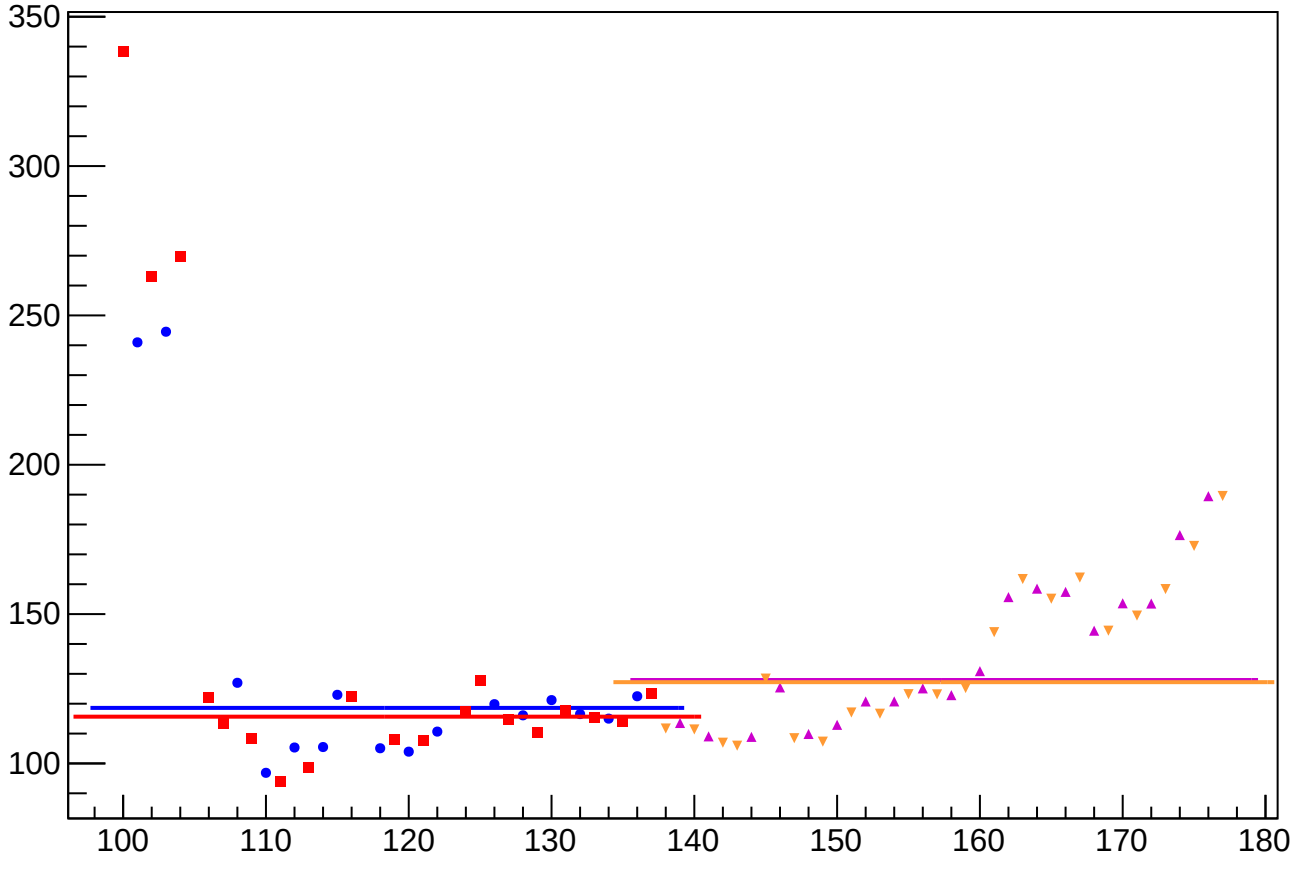
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -3888.732+/-27.040 χ^2/NDF:34272.6/34

Out: -2891.960+/-25.968 χ^2/NDF:59605.2/39

All: -3370.201+/-18.730 χ^2/NDF: 94584.8/74

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 127.212+/-0.023 χ^2/NDF:908470.2/20

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 127.934+/-0.023 χ^2/NDF:735368.0/18

Left: 127.559+/-0.016 χ^2/NDF: 1644330.7/39

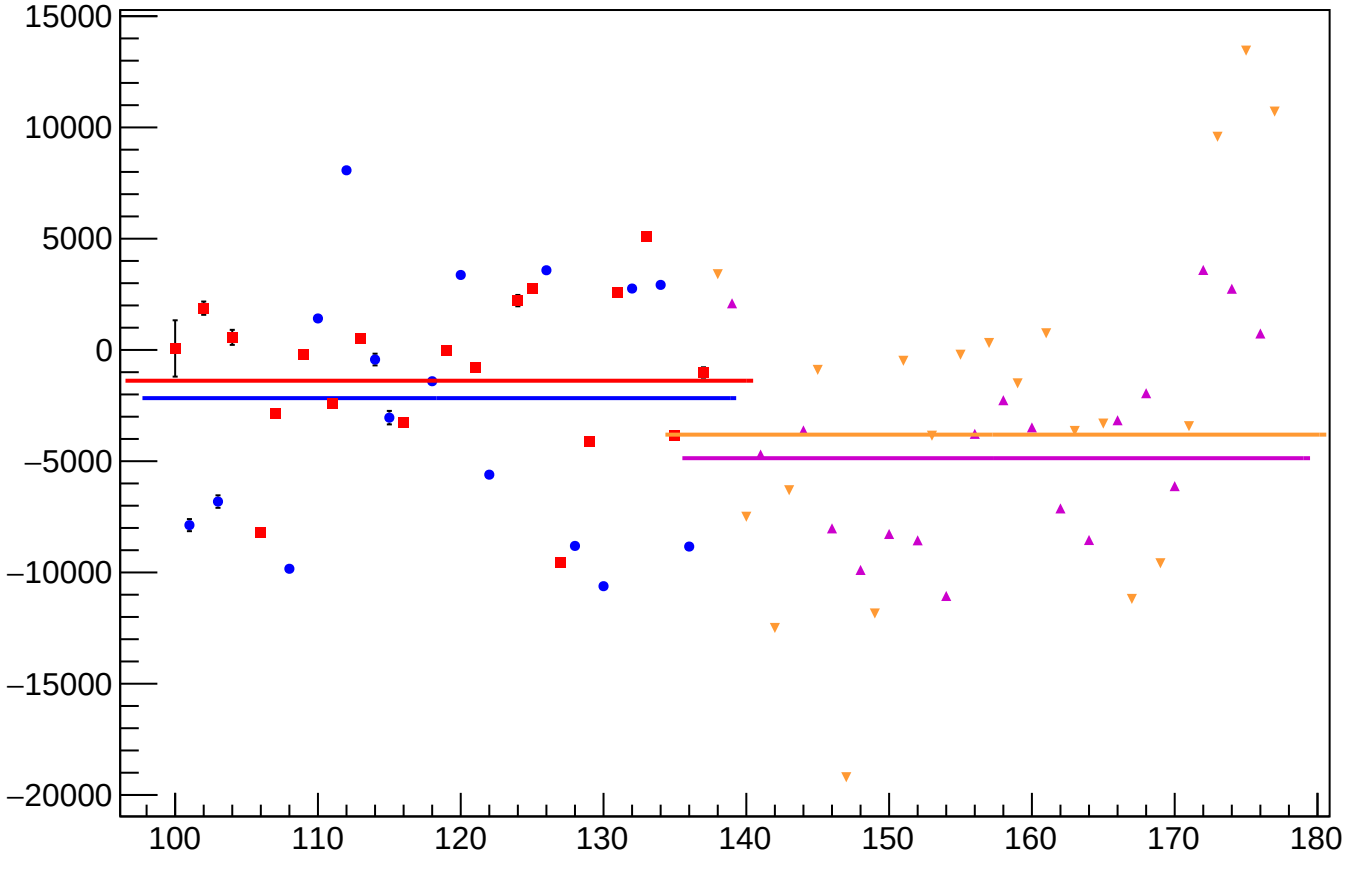
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 124.806+/-0.019 χ^2/NDF:1522663.3/34

Out: 123.318+/-0.018 χ^2/NDF:1861125.7/39

All: 124.032+/-0.013 χ^2/NDF: 3386939.8/74

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -3806.235+/-28.875 χ^2/NDF:60848.3/20

Right Out: -1383.103+/-37.976 χ^2/NDF: 9148.6/18

Left In: -4864.966+/-30.285 χ^2/NDF:18123.9/18

Left: -4310.370+/-20.898 χ^2/NDF: 79612.4/39

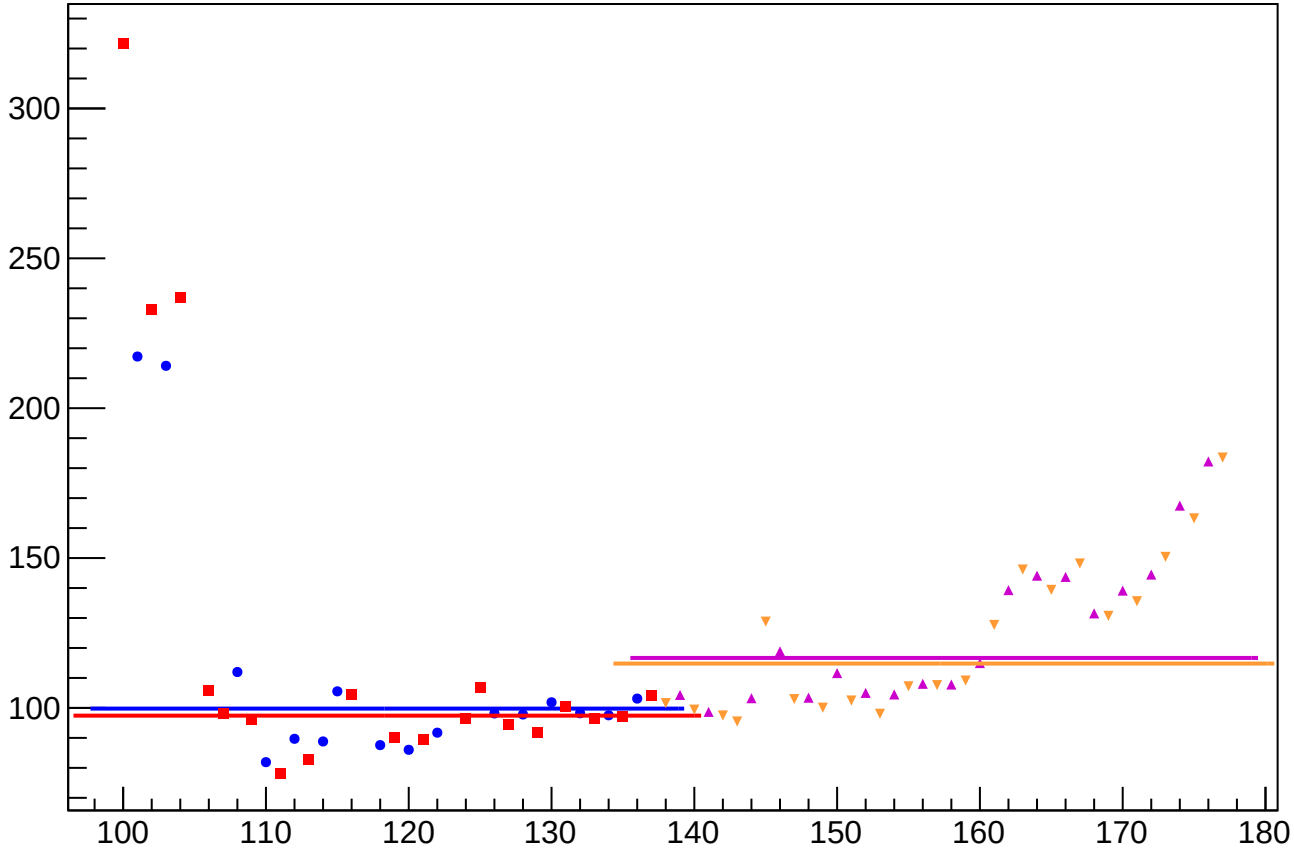
Right: -1757.793+/-27.420 χ^2/NDF: 32226.8/34

In: -3869.897+/-24.064 χ^2/NDF:43926.9/34

Out: -2918.547+/-22.985 χ^2/NDF:72576.8/39

All: -3372.425+/-16.621 χ^2/NDF: 117321.0/7

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 114.798+/-0.020 χ^2/NDF:1050662.3/20

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

Left In: 116.676+/-0.021 χ^2/NDF:778990.6/18

Left: 115.692+/-0.015 χ^2/NDF: 1833684.2/39

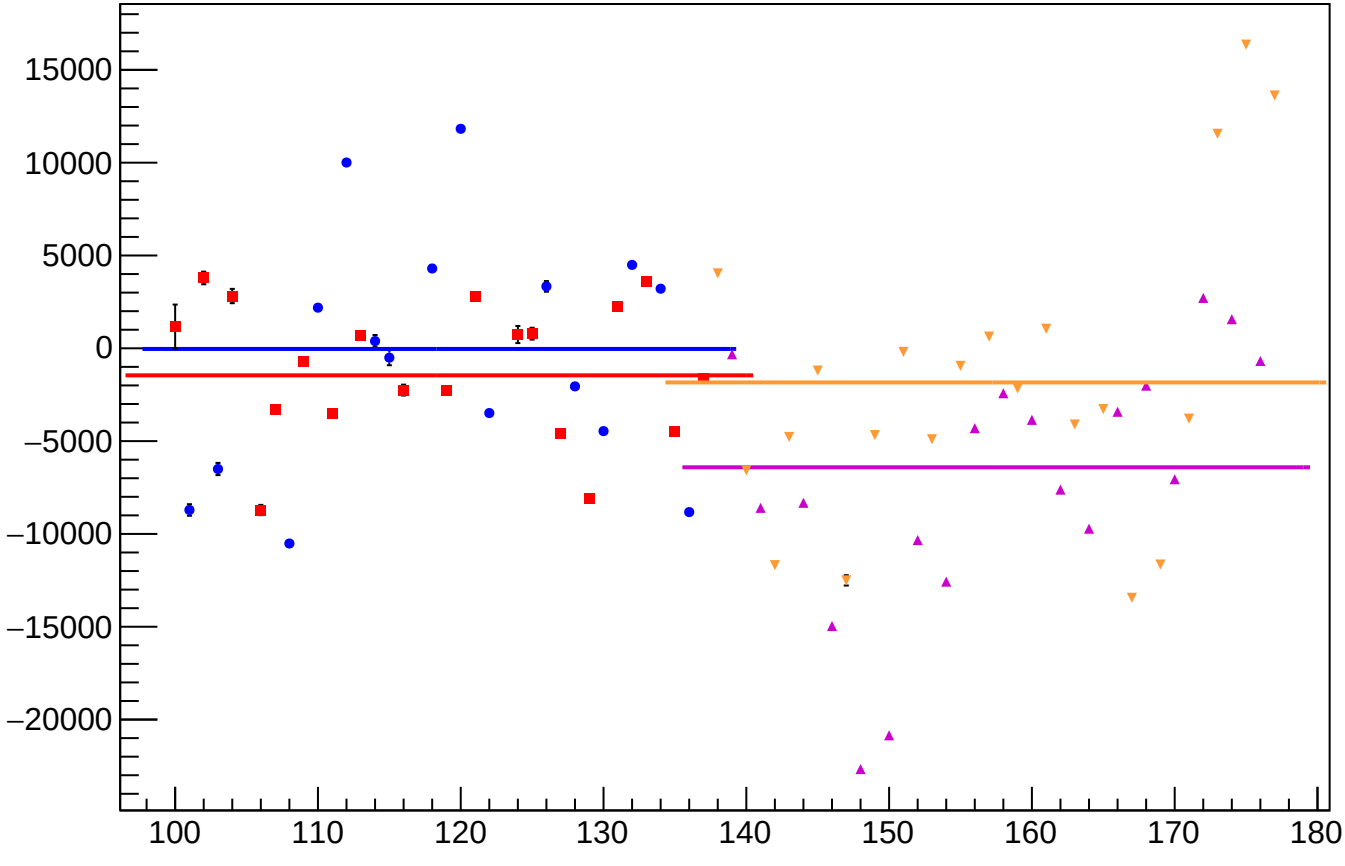
Right: 98.551+/-0.019 χ^2/NDF: 1738857.3/34

In: 110.445+/-0.017 χ^2/NDF:1817788.8/34

Out: 108.434+/-0.016 χ^2/NDF:2241850.7/39

All: 109.394+/-0.012 χ^2/NDF: 4066942.5/74

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -1838.182+/-39.941 χ^2/NDF:29324.6/20

Right Out: -1456.665+/-51.946 χ^2/NDF: 4117.0/18

Left In: -6410.873+/-42.261 χ^2/NDF:18858.8/18

Left: -3995.603+/-29.028 χ^2/NDF: 54367.4/39

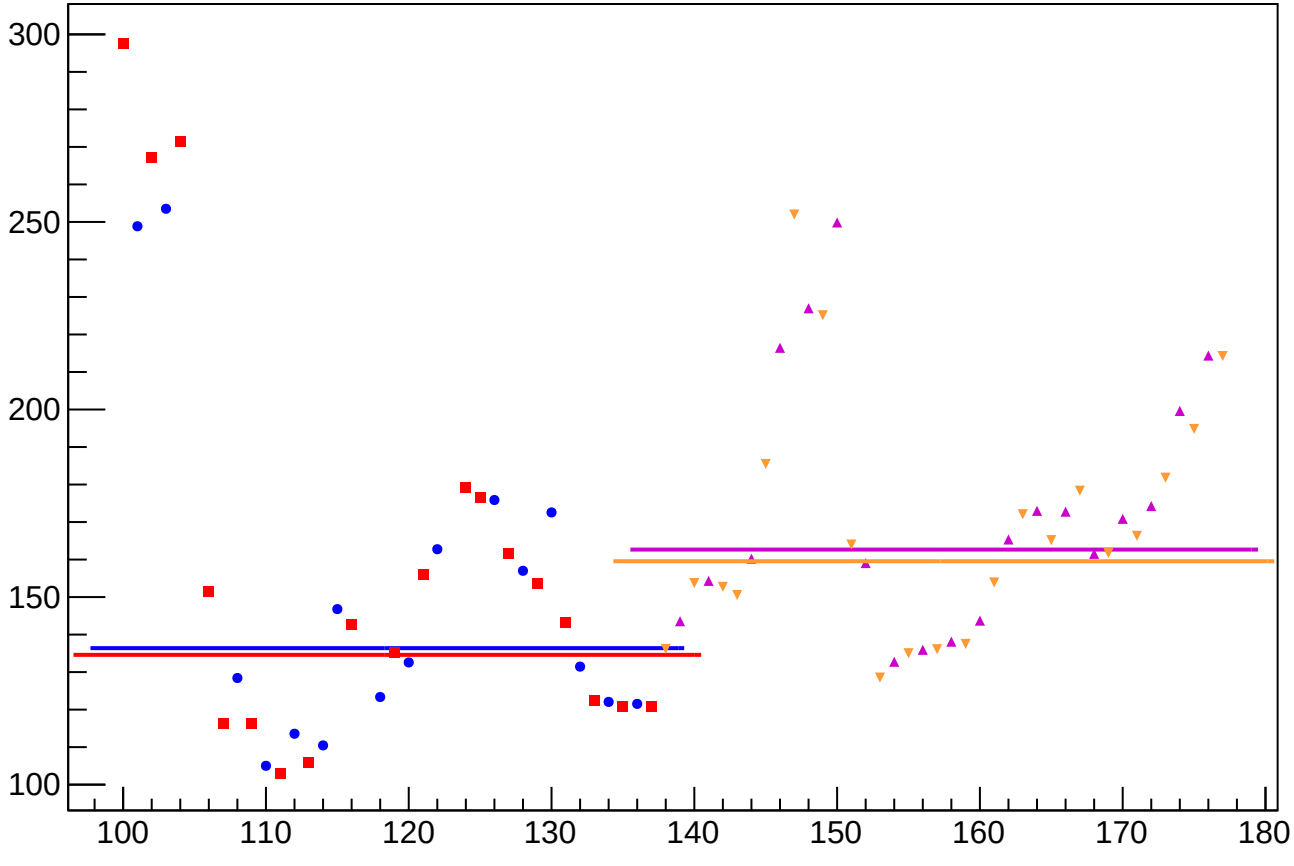
Right: -766.160+/-37.257 χ^2/NDF: 21283.7/34

In: -3959.014+/-33.154 χ^2/NDF:44415.2/34

Out: -1696.430+/-31.663 χ^2/NDF:33475.5/39

All: -2775.710+/-22.898 χ^2/NDF: 80326.4/74

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 159.549+/-0.028 χ^2/NDF:906165.8/20

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

Left In: 162.661+/-0.030 χ^2/NDF:877492.7/18

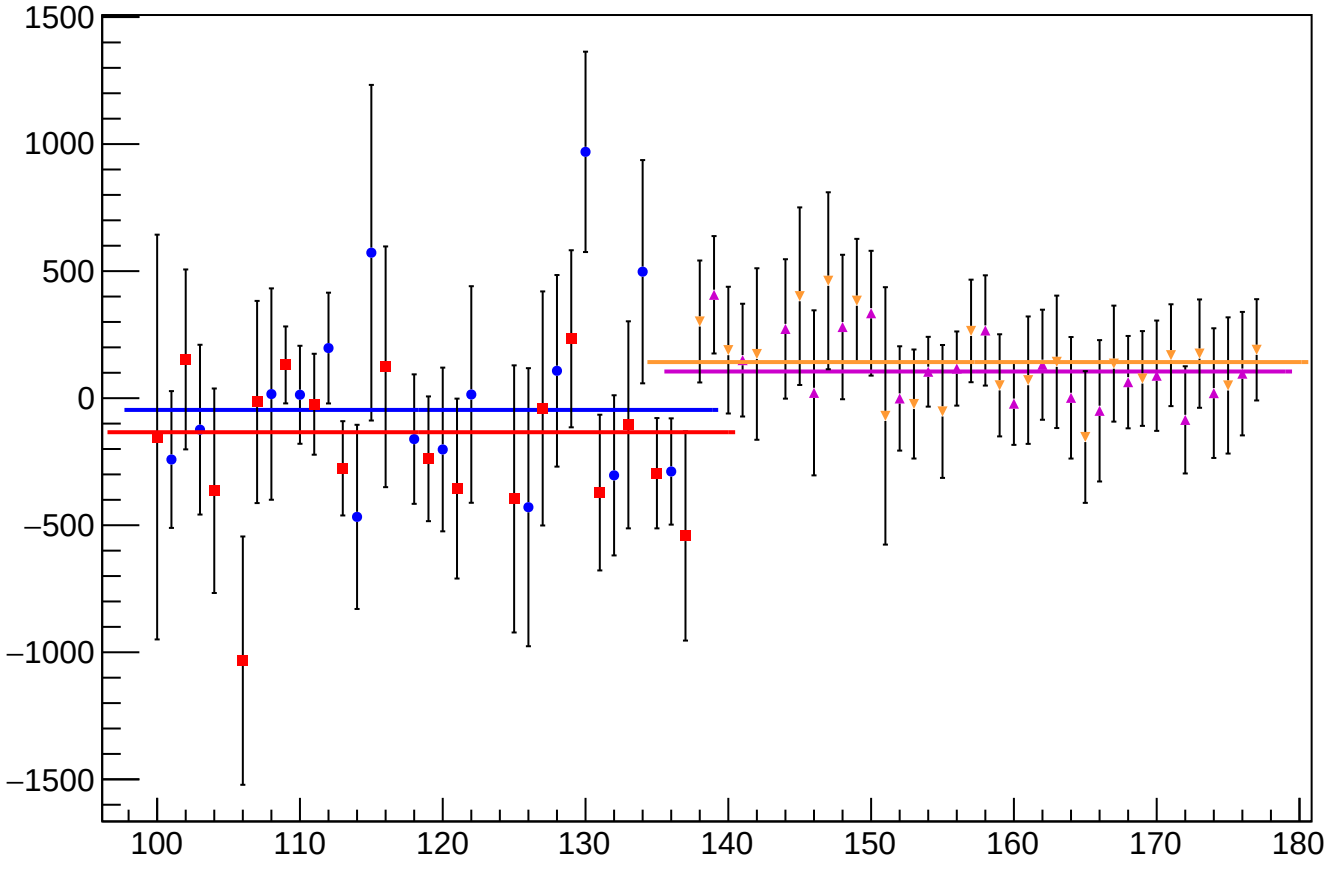
Left: 161.017+/-0.021 χ^2/NDF: 1789384.3/39

Right: 135.465+/-0.026 χ^2/NDF: 1717607.6/34

In: 152.556+/-0.023 χ^2/NDF:1971686.4/34

Out: 150.279+/-0.022 χ^2/NDF:2115754.5/39

All: 151.365+/-0.016 χ^2/NDF: 4092375.9/74



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 142.097+/-53.874 χ^2/NDF:6.5/19

Right Out: -133.913+/-68.414 χ^2/NDF: 12.8/17

Left In: 104.987+/-48.133 χ^2/NDF:6.4/18

Left: 121.460+/-35.894 χ^2/NDF: 13.1/38

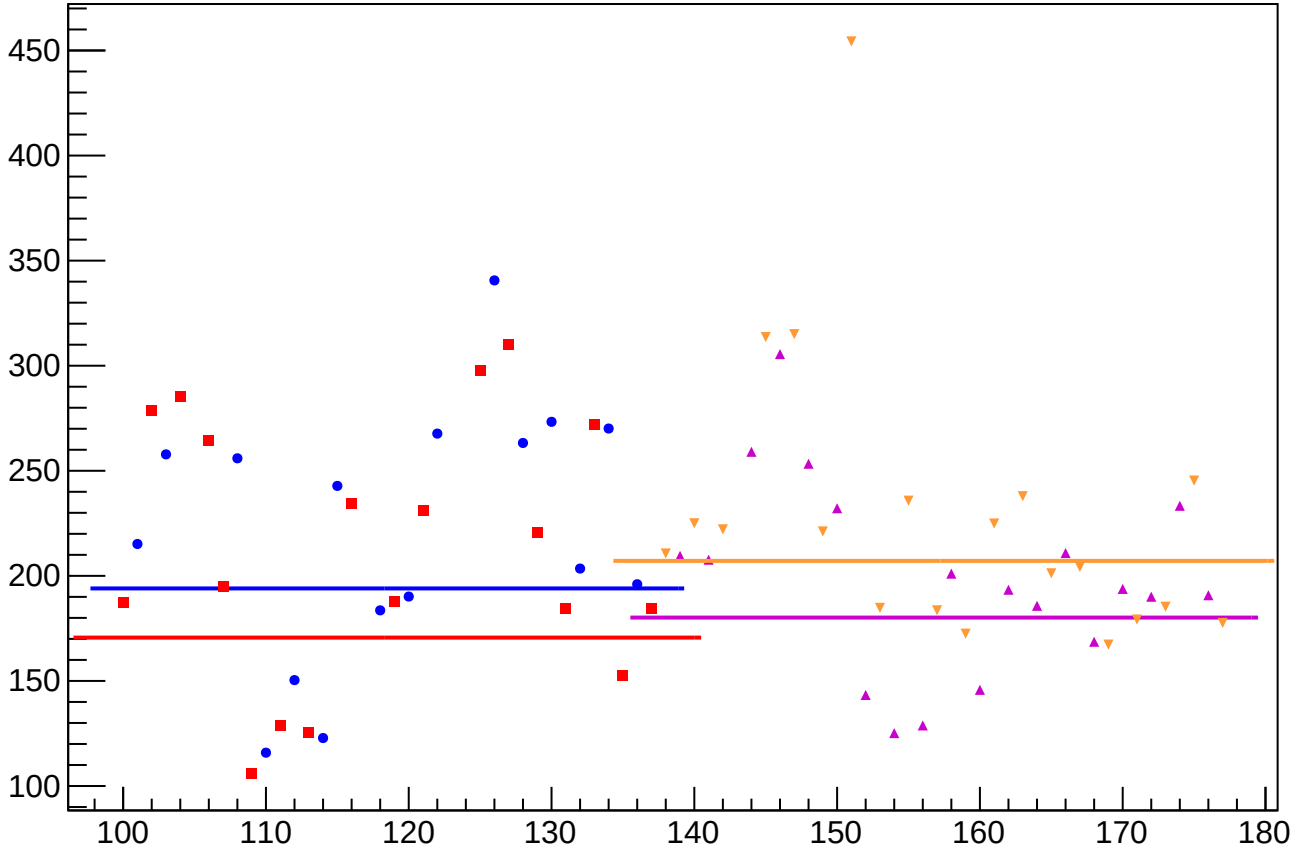
Right: -94.812+/-50.931 χ^2/NDF: 29.0/33

In: 61.935+/-40.707 χ^2/NDF:24.6/34

Out: 36.451+/-42.326 χ^2/NDF:29.4/37

All: 49.690+/-29.340 χ^2/NDF: 54.2/72

asym_bcm_2an_us_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 207.129+/-0.038 χ^2/NDF:1282408.4/19

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

Left In: 180.148+/-0.034 χ^2/NDF:1633329.7/18

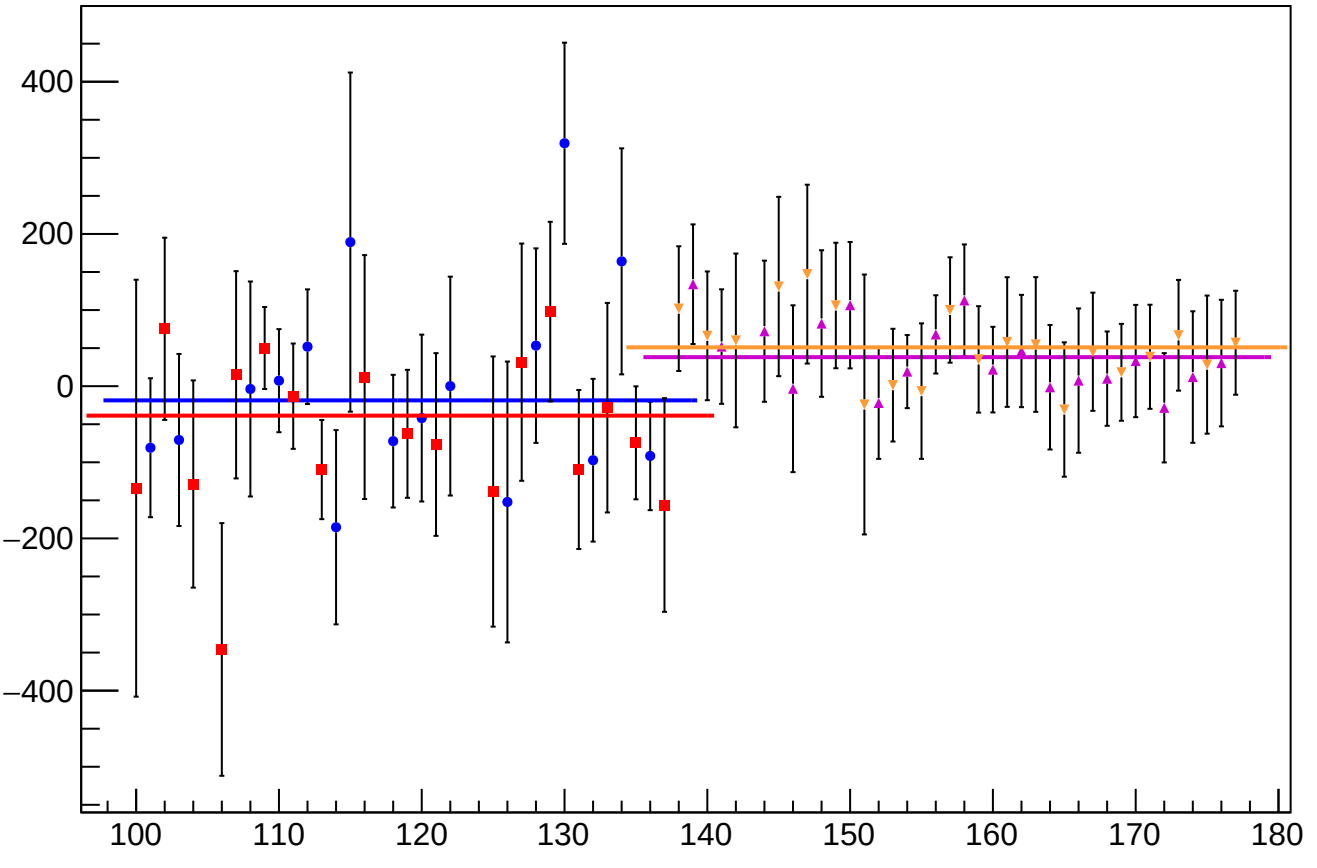
Left: 192.125+/-0.025 χ^2/NDF: 3194698.2/38

Right: 181.052+/-0.036 χ^2/NDF: 2741566.5/33

In: 184.098+/-0.029 χ^2/NDF:2724200.3/34

Out: 193.156+/-0.030 χ^2/NDF:3227638.9/37

All: 188.450+/-0.021 χ^2/NDF: 5999431.1/72



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 51.056+/-18.386 χ^2/NDF:4.9/19

Right Out: -38.716+/-23.652 χ^2/NDF: 12.6/17

Left In: 38.150+/-16.551 χ^2/NDF:6.5/18

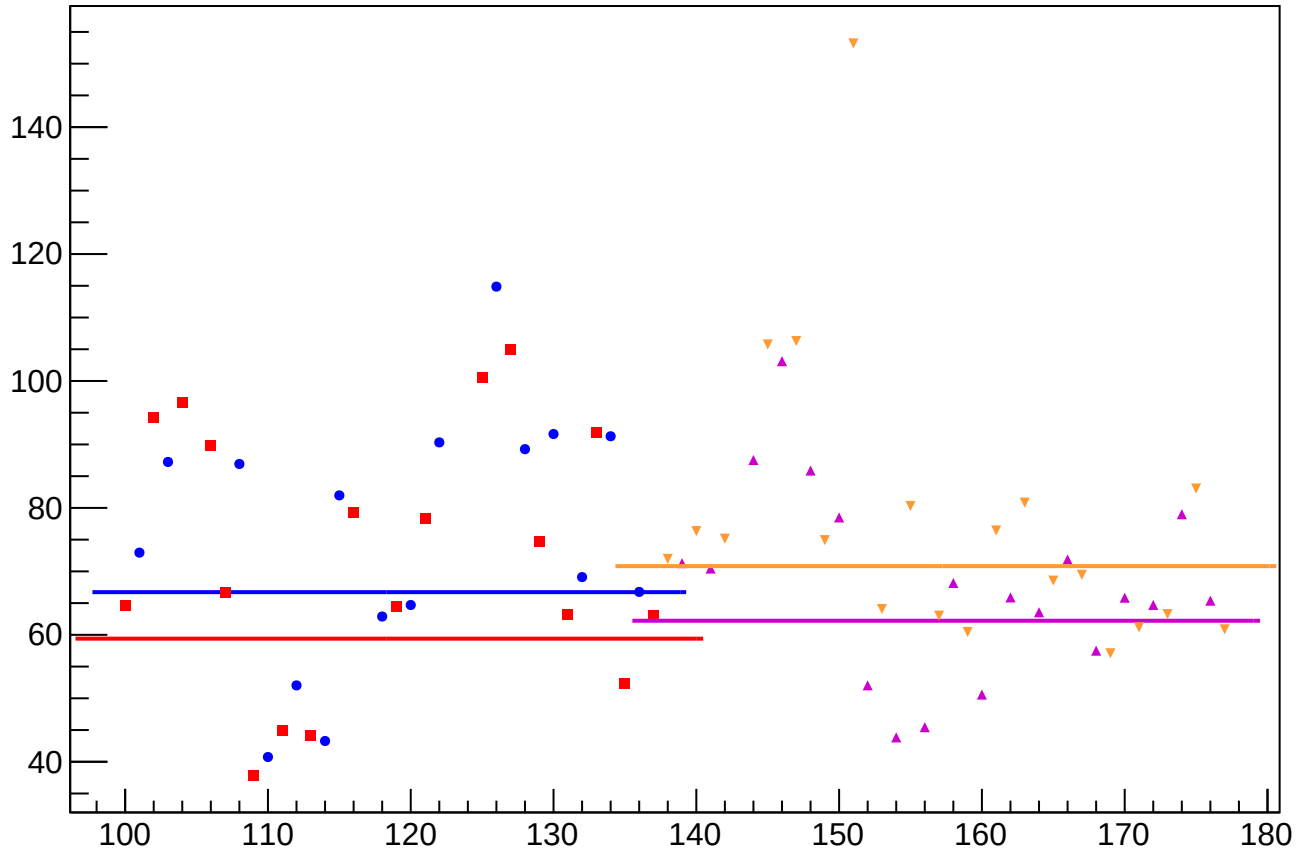
Left: 43.927+/-12.301 χ^2/NDF: 11.7/38

Right: -29.674+/-17.533 χ^2/NDF: 28.2/33

In: 21.881+/-13.981 χ^2/NDF:25.1/34

Out: 17.242+/-14.516 χ^2/NDF:26.5/37

All: 19.648+/-10.070 χ^2/NDF: 51.6/72



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 70.826+/-0.013 χ^2/NDF:1218473.3/19

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

Left In: 62.220+/-0.012 χ^2/NDF:1442396.7/18

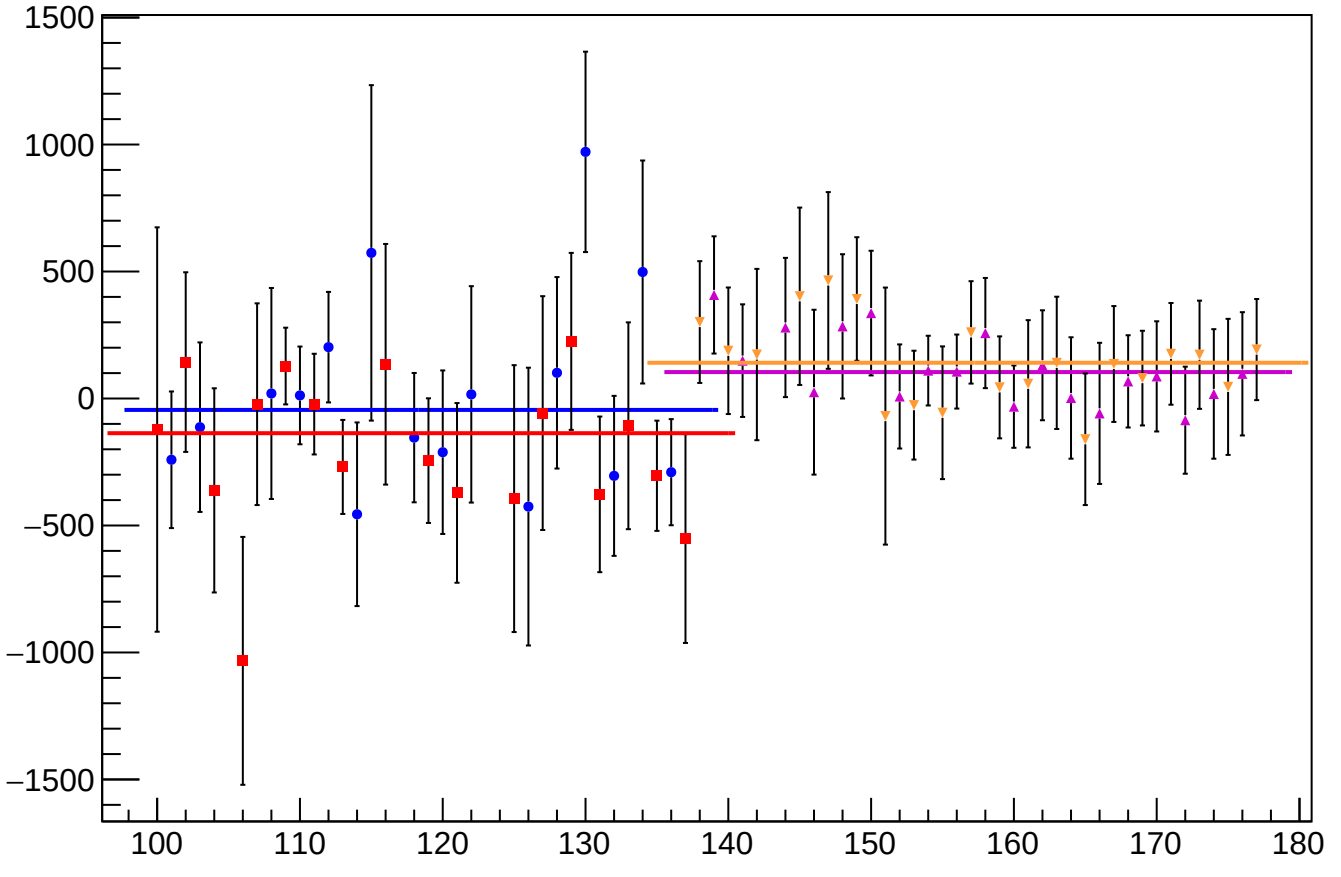
Left: 66.072+/-0.009 χ^2/NDF: 2902874.8/38

Right: 62.700+/-0.012 χ^2/NDF: 2478799.5/33

In: 63.510+/-0.010 χ^2/NDF:2431861.4/34

Out: 66.522+/-0.010 χ^2/NDF:2954743.6/37

All: 64.960+/-0.007 χ^2/NDF: 5431266.4/72



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 140.770+/-53.828 χ^2/NDF:6.7/19

Right Out: -136.579+/-68.322 χ^2/NDF: 12.9/17

Left In: 104.047+/-48.092 χ^2/NDF:6.5/18

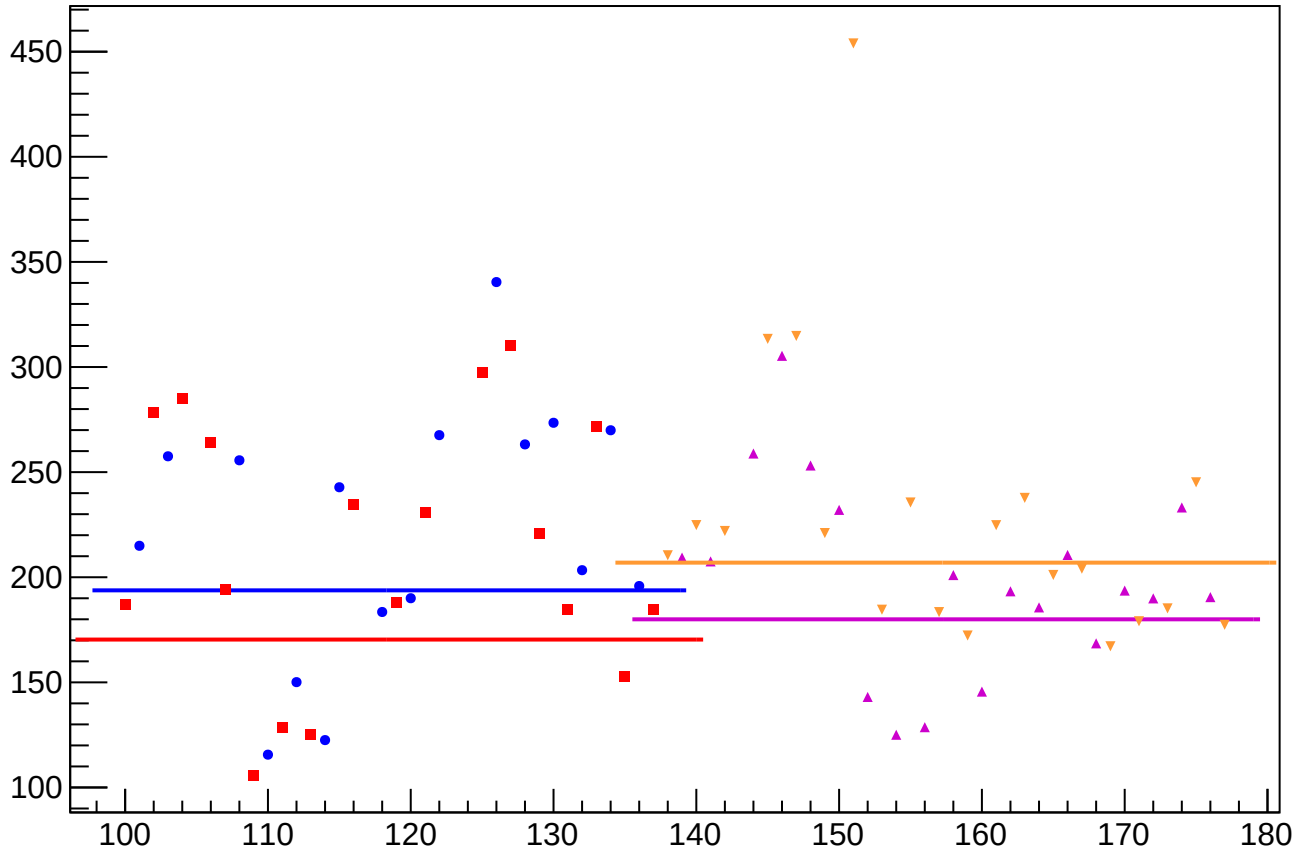
Left: 120.348+/-35.863 χ^2/NDF: 13.5/38

Right: -95.728+/-50.868 χ^2/NDF: 29.1/33

In: 61.612+/-40.669 χ^2/NDF:24.7/34

Out: 34.548+/-42.282 χ^2/NDF:29.8/37

All: 48.606+/-29.311 χ^2/NDF: 54.6/72



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 206.949+/-0.038 χ^2/NDF:1283275.9/19

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

Left In: 179.984+/-0.034 χ^2/NDF:1635498.2/18

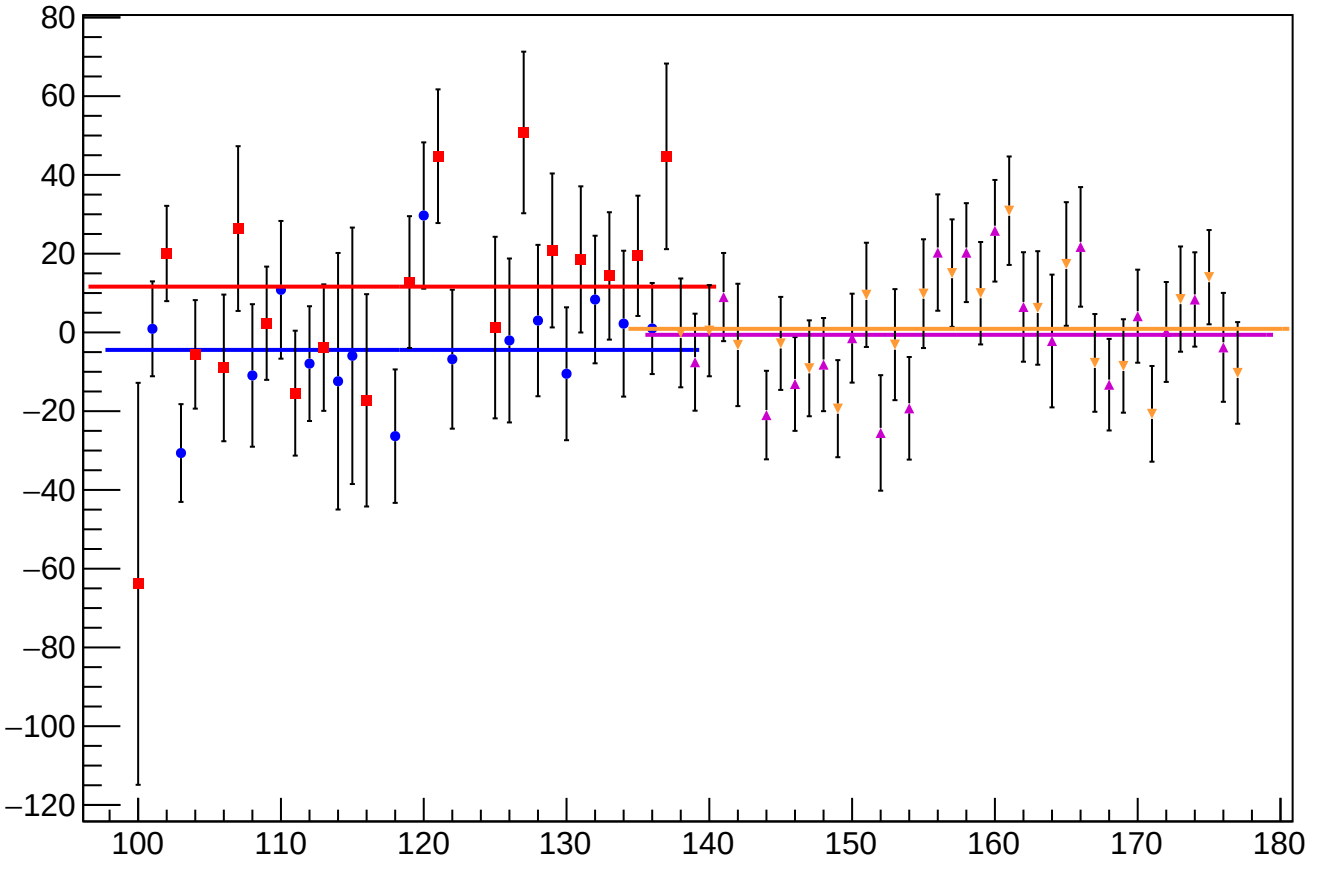
Left: 191.954+/-0.025 χ^2/NDF: 3197868.3/38

Right: 180.791+/-0.036 χ^2/NDF: 2751765.9/33

In: 183.911+/-0.029 χ^2/NDF:2730393.4/34

Out: 192.935+/-0.030 χ^2/NDF:3236255.3/37

All: 188.247+/-0.021 χ^2/NDF: 6013969.1/72



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 0.909+/-2.915 χ^2/NDF:18.6/19

Right Out: 11.627+/-4.137 χ^2/NDF: 21.6/17

Left In: -0.609+/-2.911 χ^2/NDF:24.1/18

Left: 0.149+/-2.060 χ^2/NDF: 42.8/38

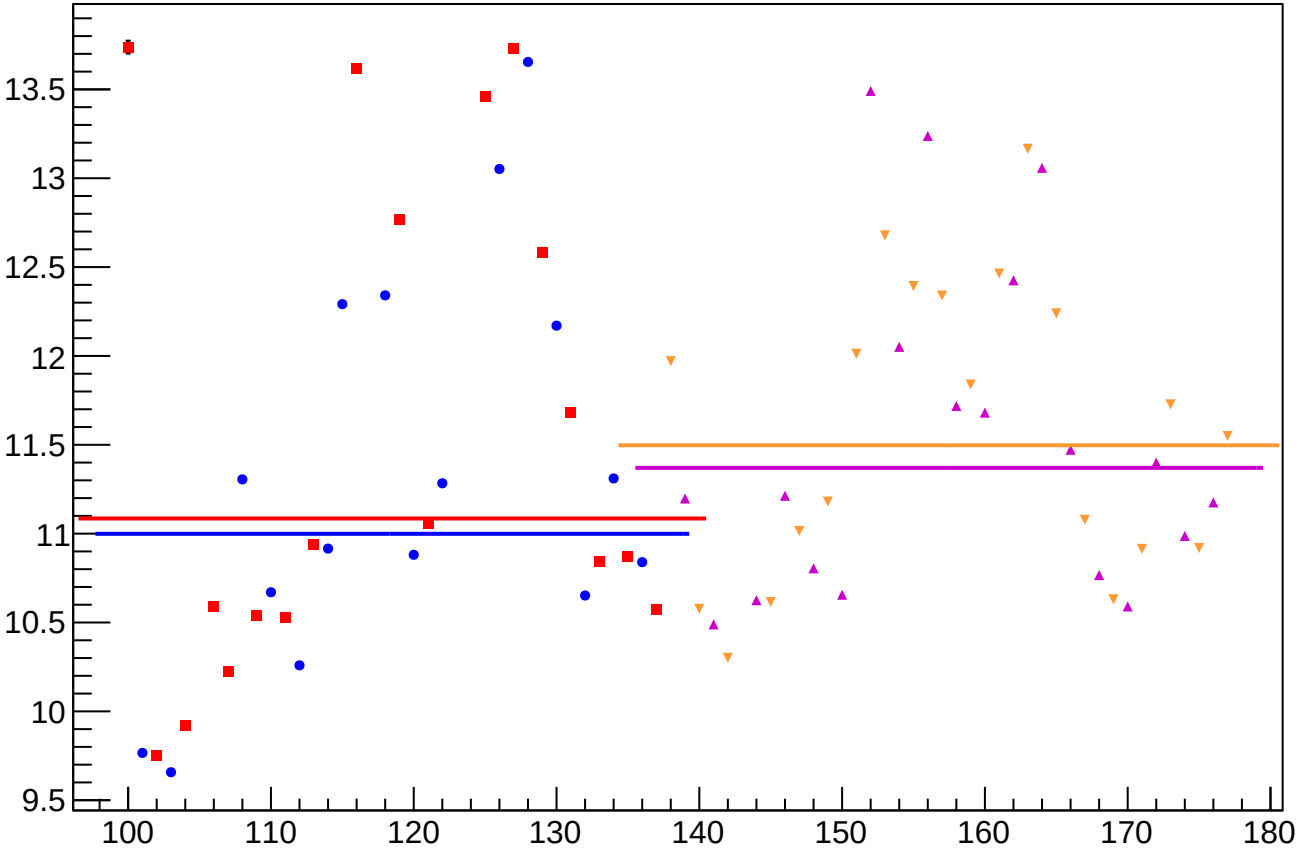
Right: 3.582+/-2.923 χ^2/NDF: 41.2/33

In: -1.881+/-2.380 χ^2/NDF:36.7/34

Out: 4.466+/-2.383 χ^2/NDF:44.7/37

All: 1.288+/-1.684 χ^2/NDF: 84.9/72

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: 11.497+/-0.002 χ^2/NDF:140881.0/19

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

Left In: 11.370+/-0.002 χ^2/NDF:164614.2/18

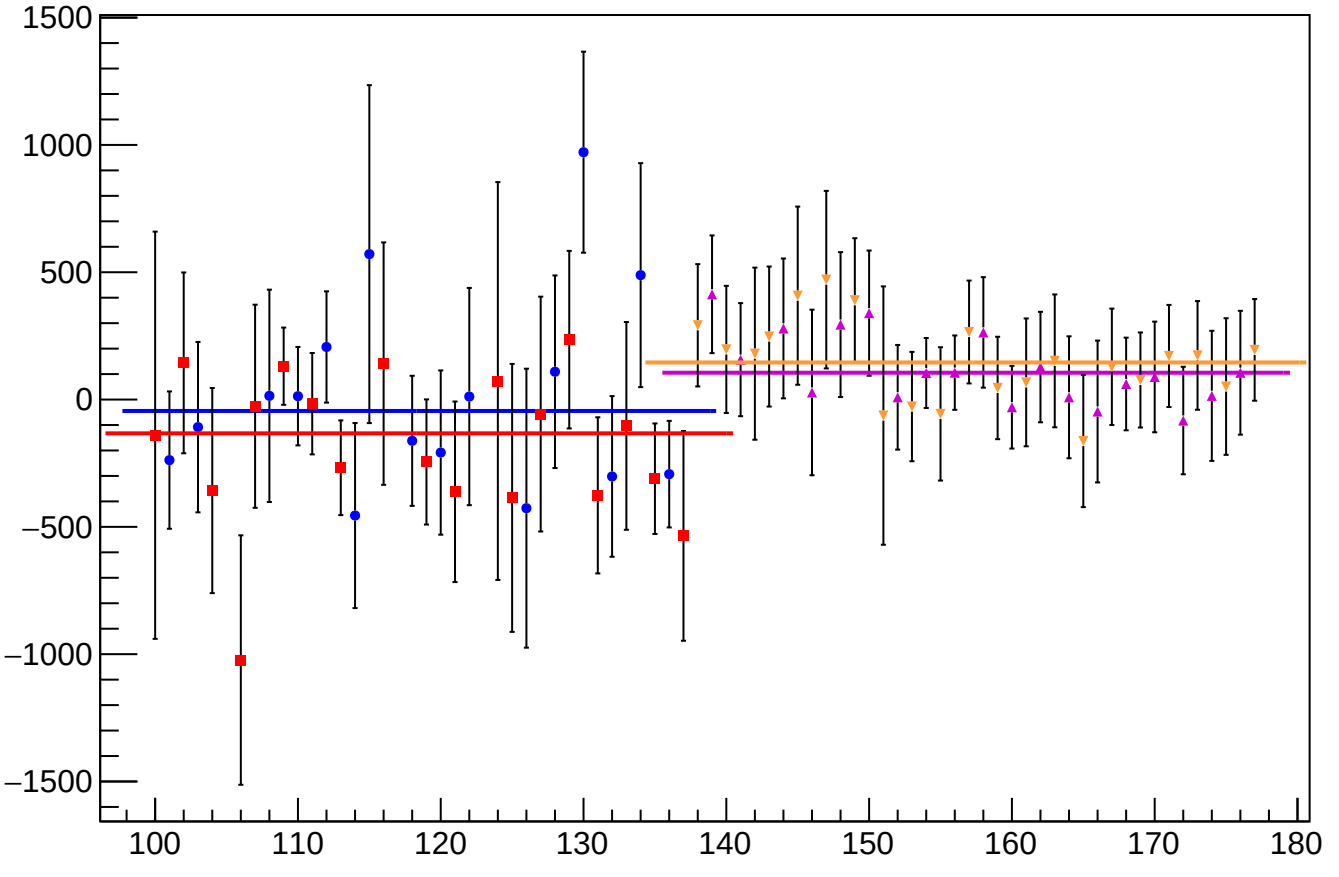
Left: 11.434+/-0.001 χ^2/NDF: 307395.0/38

Right: 11.042+/-0.002 χ^2/NDF: 298798.9/33

In: 11.247+/-0.002 χ^2/NDF:311568.1/34

Out: 11.361+/-0.002 χ^2/NDF:316340.6/37

All: 11.304+/-0.001 χ^2/NDF: 630179.2/72



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 145.713+/-52.920 χ^2/NDF:6.9/20

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 105.407+/-48.172 χ^2/NDF:6.5/18

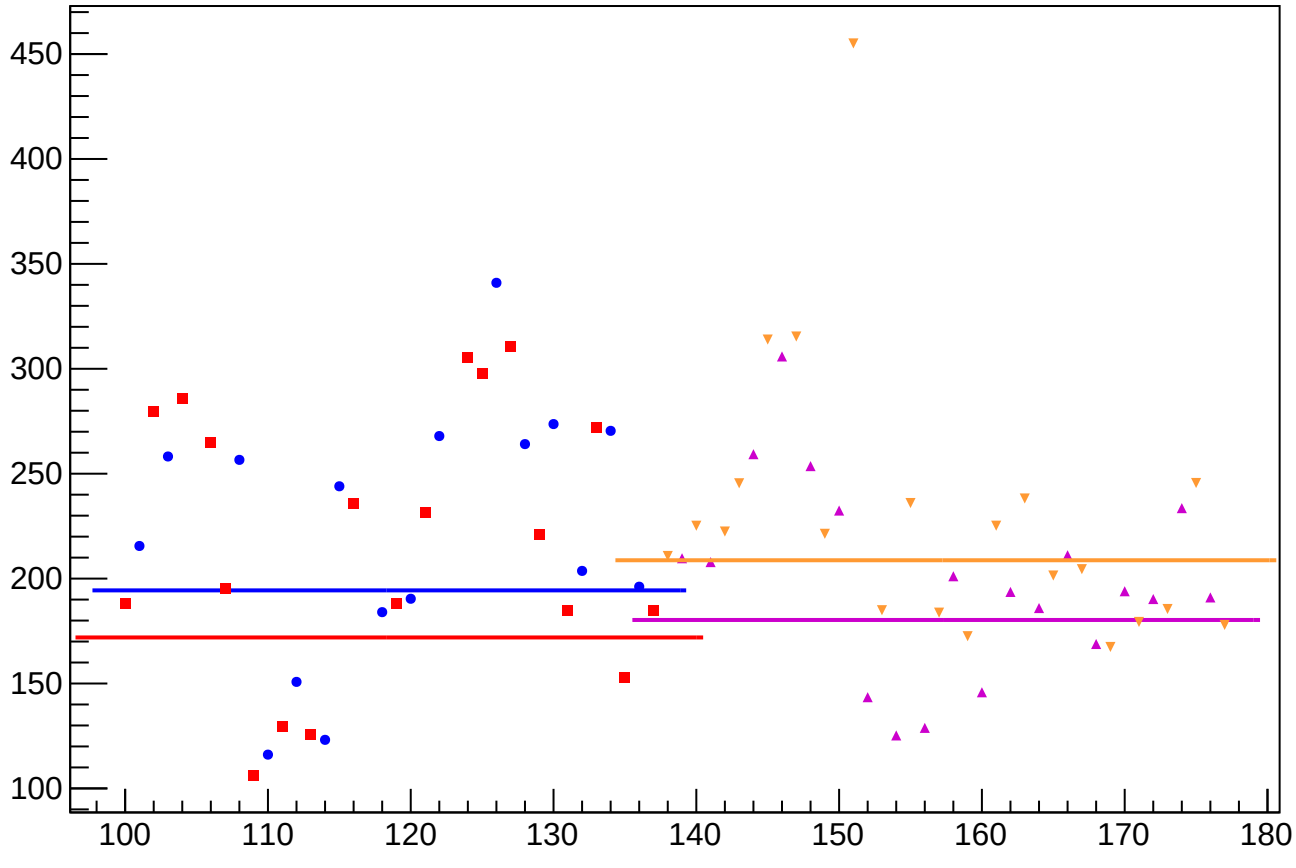
Left: 123.671+/-35.623 χ^2/NDF: 13.7/39

Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 62.698+/-40.752 χ^2/NDF:24.7/34

Out: 41.201+/-41.826 χ^2/NDF:30.1/39

All: 52.229+/-29.188 χ^2/NDF: 55.0/74



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 208.742+/-0.037 χ^2/NDF:1320607.9/20

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 180.282+/-0.034 χ^2/NDF:1636042.8/18

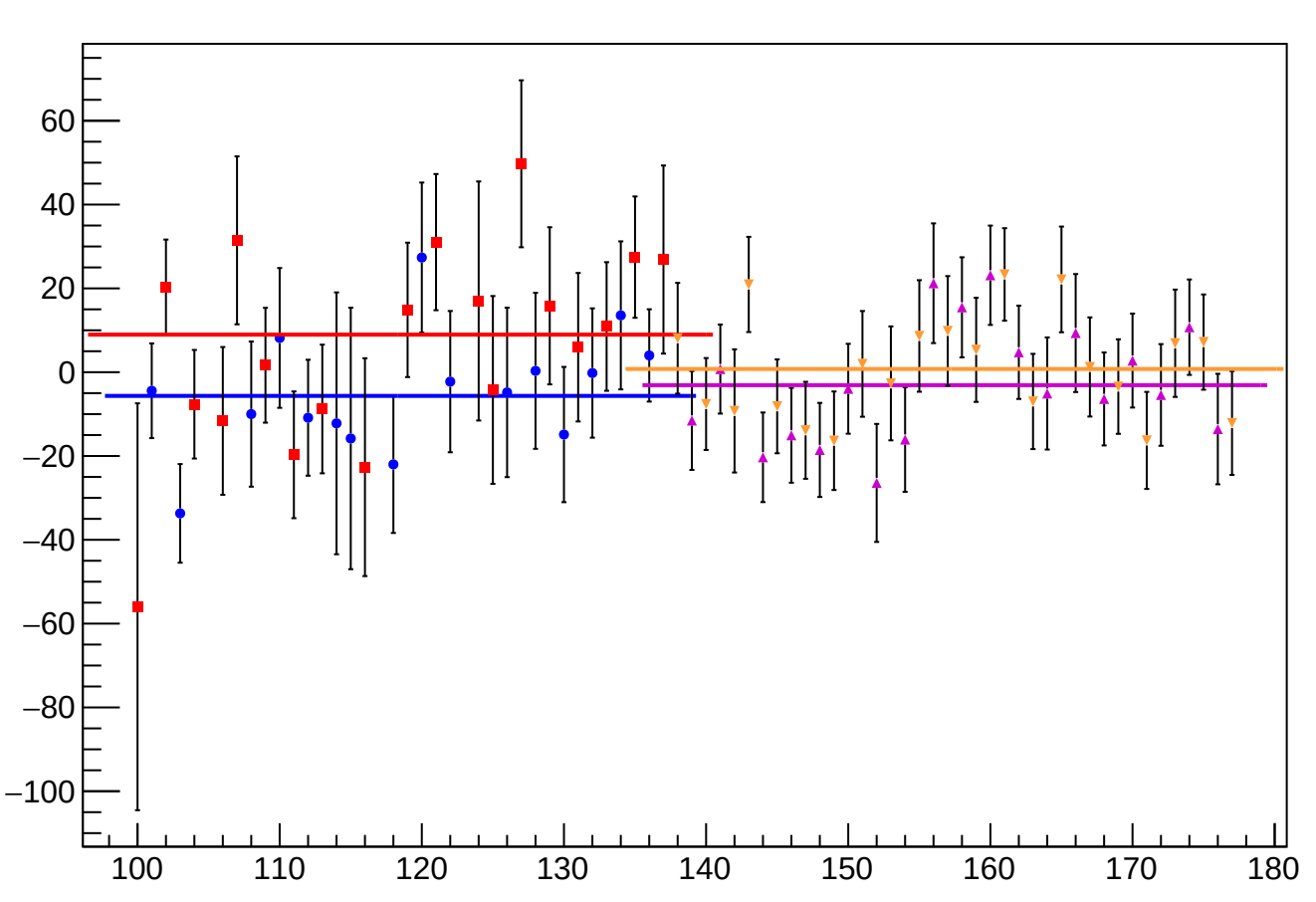
Left: 193.178+/-0.025 χ^2/NDF: 3272984.2/39

Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 184.292+/-0.029 χ^2/NDF:2726812.8/34

Out: 194.932+/-0.030 χ^2/NDF:3334817.8/39

All: 189.474+/-0.021 χ^2/NDF: 6128027.5/74



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 0.771+/-2.637 χ^2/NDF:21.4/20

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -3.098+/-2.724 χ^2/NDF:24.1/18

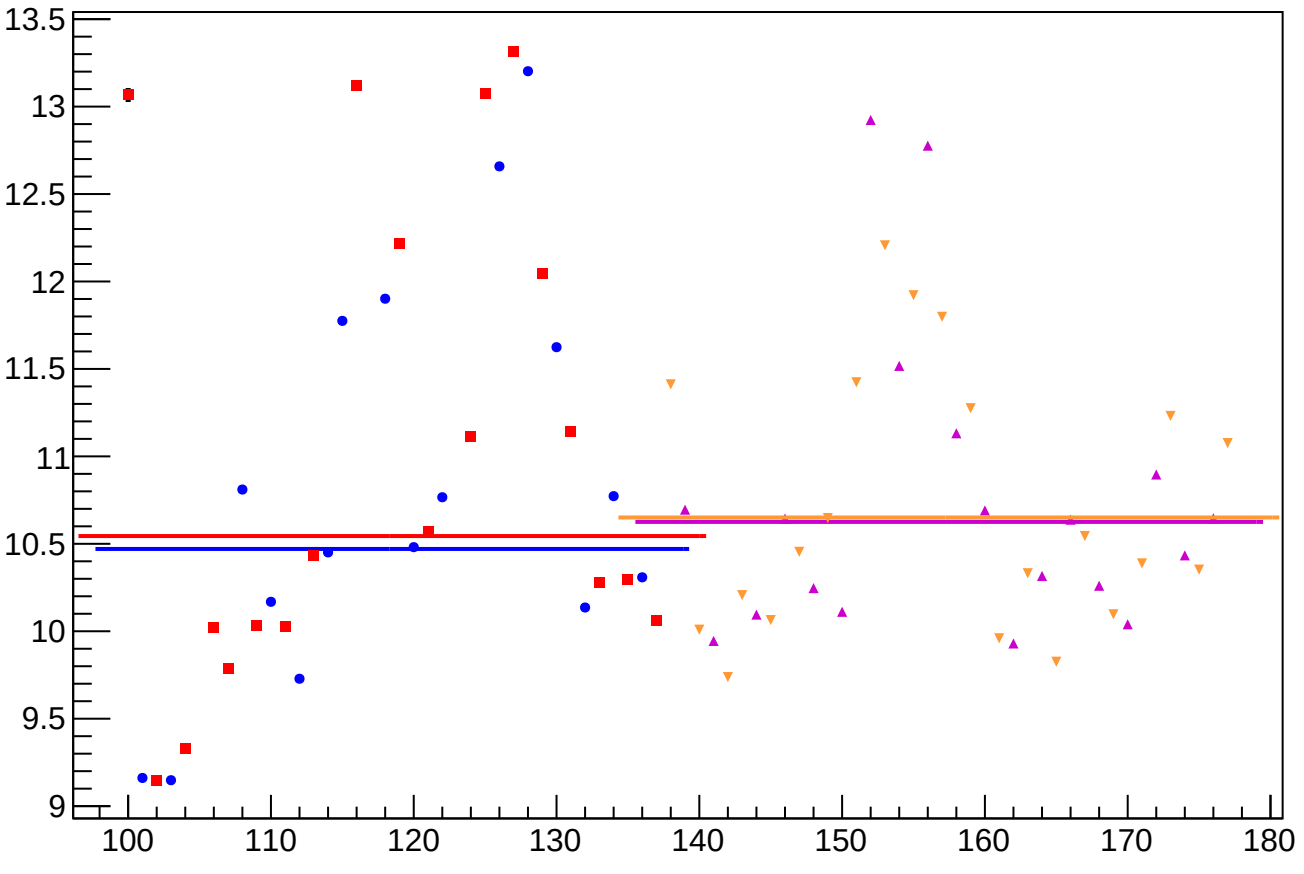
Left: -1.101+/-1.894 χ^2/NDF: 46.5/39

Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -3.926+/-2.240 χ^2/NDF:38.1/34

Out: 3.339+/-2.185 χ^2/NDF:47.2/39

All: -0.202+/-1.564 χ^2/NDF: 90.6/74



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.651+/-0.002 χ^2/NDF:134533.3/20

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.625+/-0.002 χ^2/NDF:150670.6/18

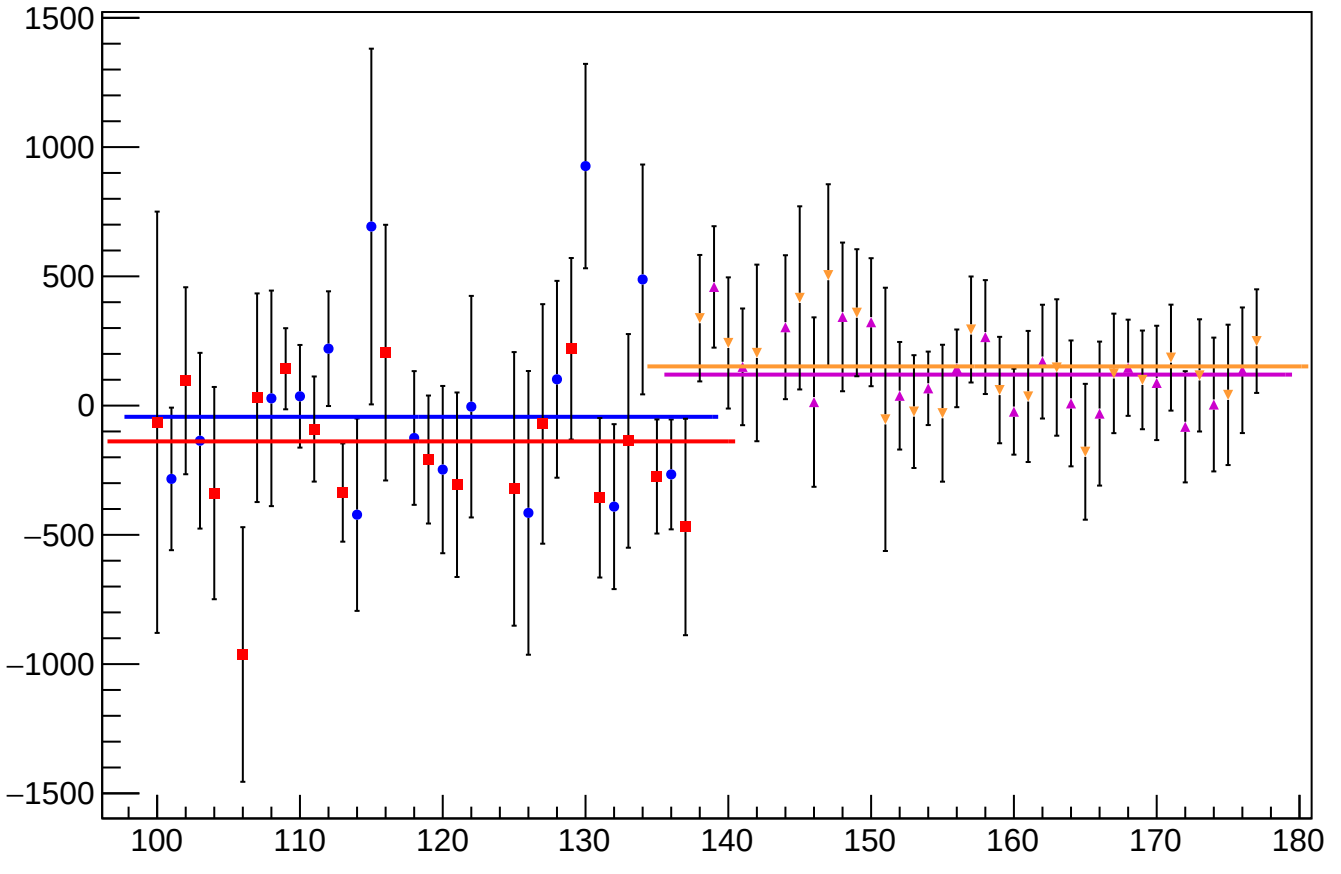
Left: 10.638+/-0.001 χ^2/NDF: 285293.6/39

Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.575+/-0.002 χ^2/NDF:310120.8/34

Out: 10.617+/-0.002 χ^2/NDF:322331.9/39

All: 10.597+/-0.001 χ^2/NDF: 632814.5/74



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 151.611+/-54.717 χ^2/NDF:7.3/19

Right Out: -138.455+/-69.833 χ^2/NDF: 11.5/17

Left In: 119.886+/-49.074 χ^2/NDF:7.1/18

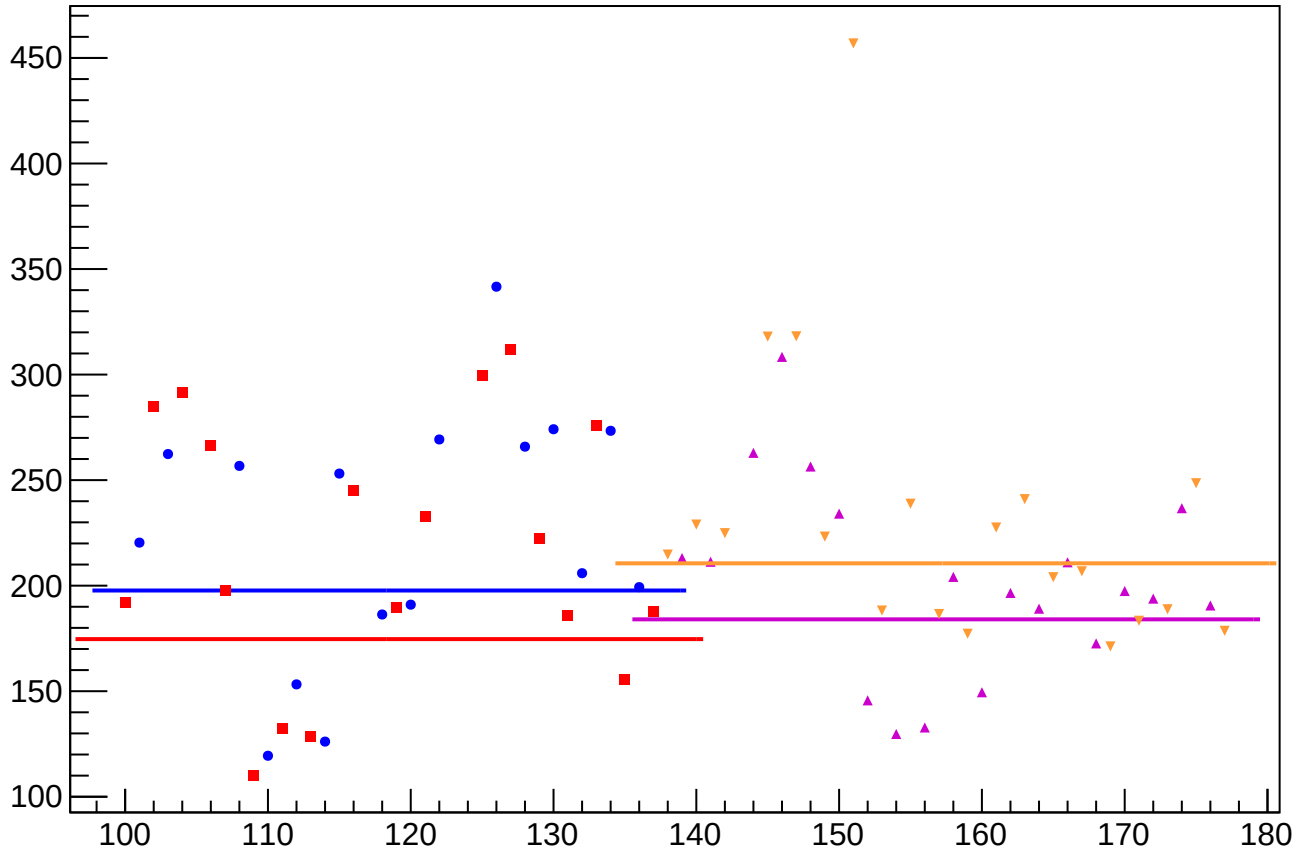
Left: 134.029+/-36.534 χ^2/NDF: 14.6/38

Right: -95.904+/-51.904 χ^2/NDF: 27.7/33

In: 73.229+/-41.474 χ^2/NDF:25.7/34

Out: 41.270+/-43.071 χ^2/NDF:29.5/37

All: 57.853+/-29.875 χ^2/NDF: 55.5/72



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 210.581+/-0.039 χ^2/NDF:1249921.4/19

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

Left In: 184.039+/-0.035 χ^2/NDF:1541633.2/18

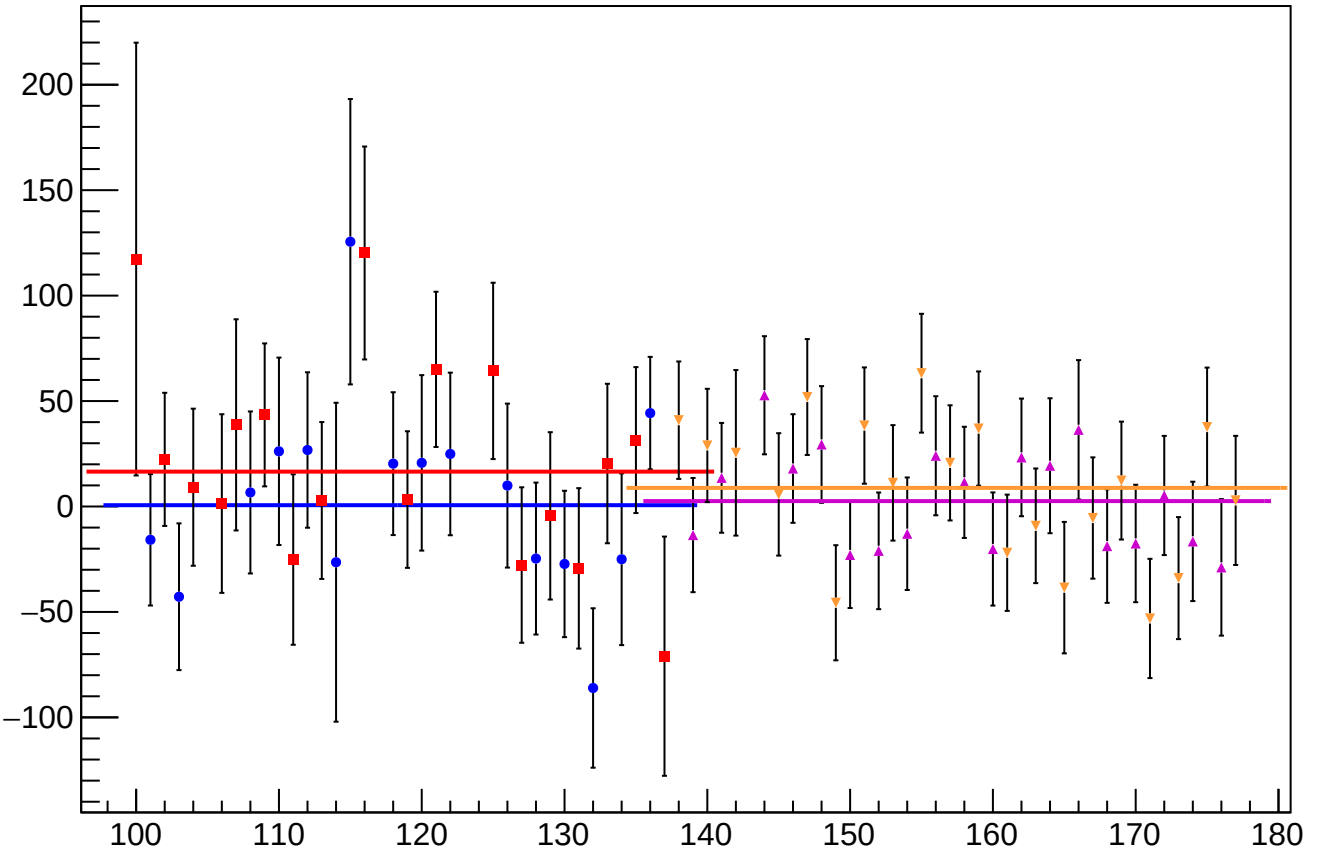
Left: 195.871+/-0.026 χ^2/NDF: 3052365.0/38

Right: 184.986+/-0.037 χ^2/NDF: 2632415.9/33

In: 187.945+/-0.029 χ^2/NDF:2586295.1/34

Out: 196.924+/-0.030 χ^2/NDF:3112207.4/37

All: 192.265+/-0.021 χ^2/NDF: 5743604.5/72



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 8.828+/-6.357 χ^2/NDF:27.0/19

Right Out: 16.534+/-9.307 χ^2/NDF: 16.4/17

Left In: 2.562+/-6.375 χ^2/NDF:13.0/18

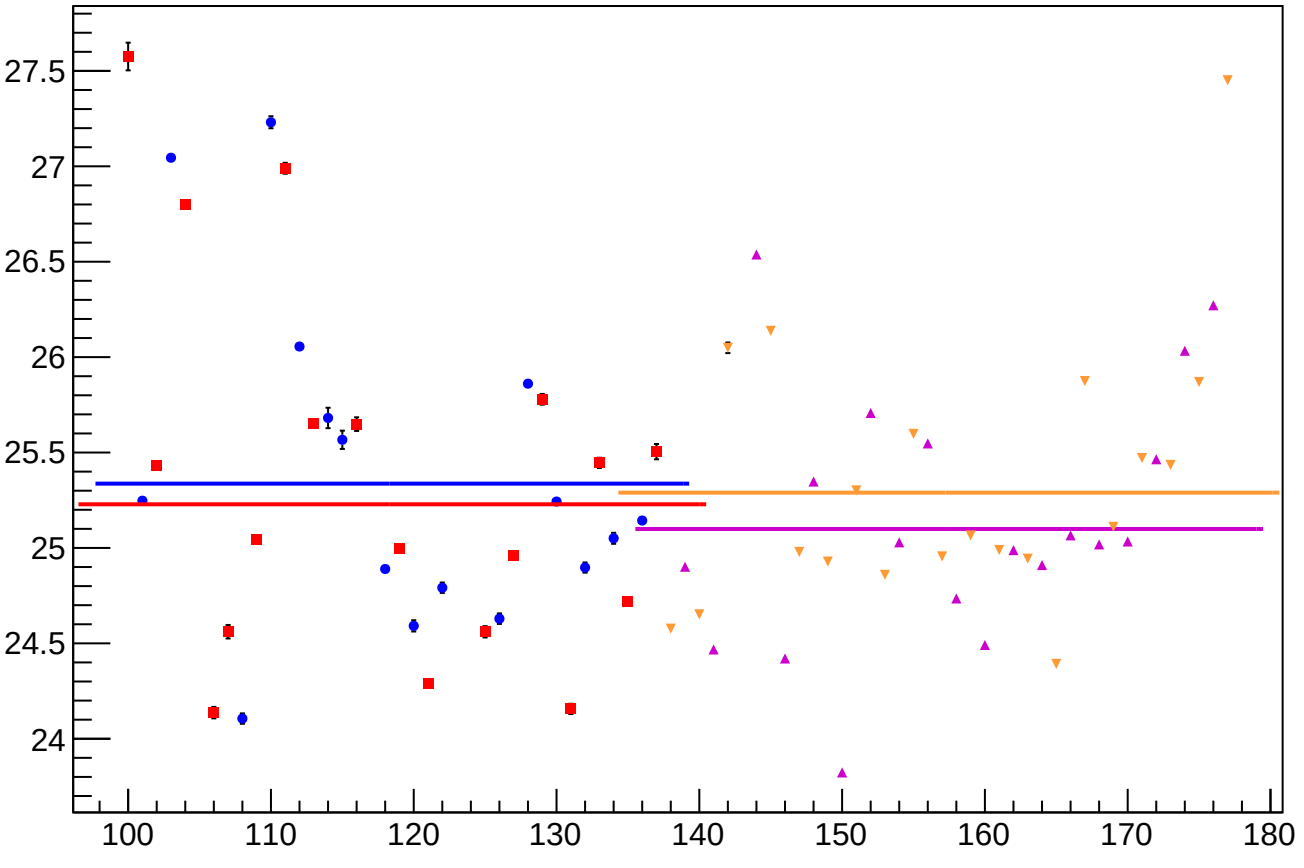
Left: 5.704+/-4.501 χ^2/NDF: 40.4/38

Right: 8.674+/-6.621 χ^2/NDF: 34.6/33

In: 1.952+/-5.280 χ^2/NDF:29.7/34

Out: 11.280+/-5.249 χ^2/NDF:43.8/37

All: 6.643+/-3.723 χ^2/NDF: 75.1/72



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.290+/-0.004 χ^2/NDF:20743.5/19

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

Left In: 25.099+/-0.005 χ^2/NDF:21412.6/18

Left: 25.195+/-0.003 χ^2/NDF: 43050.6/38

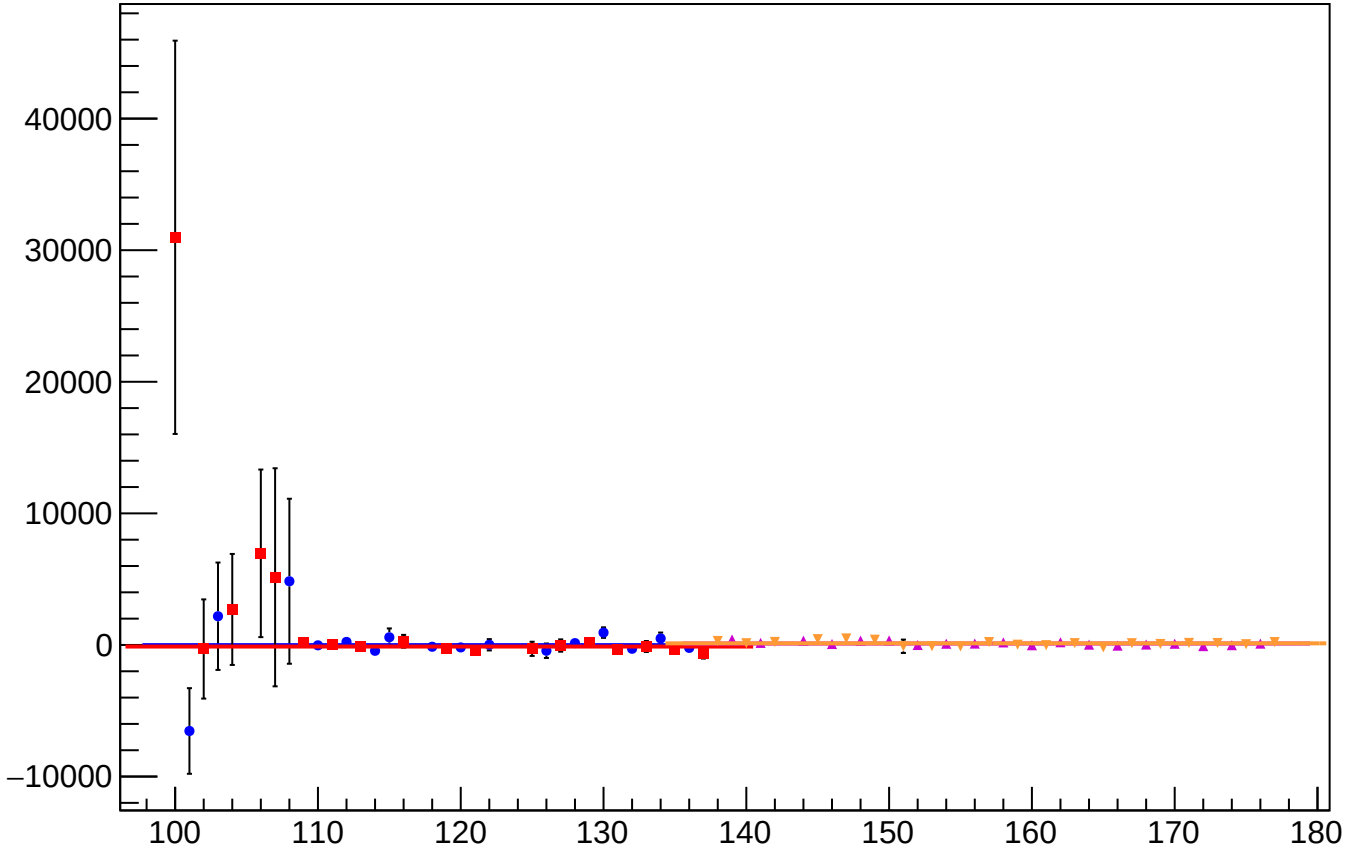
Right: 25.282+/-0.005 χ^2/NDF: 29624.6/33

In: 25.174+/-0.004 χ^2/NDF:36600.2/34

Out: 25.270+/-0.004 χ^2/NDF:35978.1/37

All: 25.222+/-0.003 χ^2/NDF: 72913.4/72

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug, Sign Corrected



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 123.296+/-54.749 χ^2/NDF:8.2/19

Right Out: -119.984+/-78.247 χ^2/NDF: 14.4/17

Left In: 107.674+/-49.562 χ^2/NDF:6.7/18

Left: 114.710+/-36.743 χ^2/NDF: 15.0/38

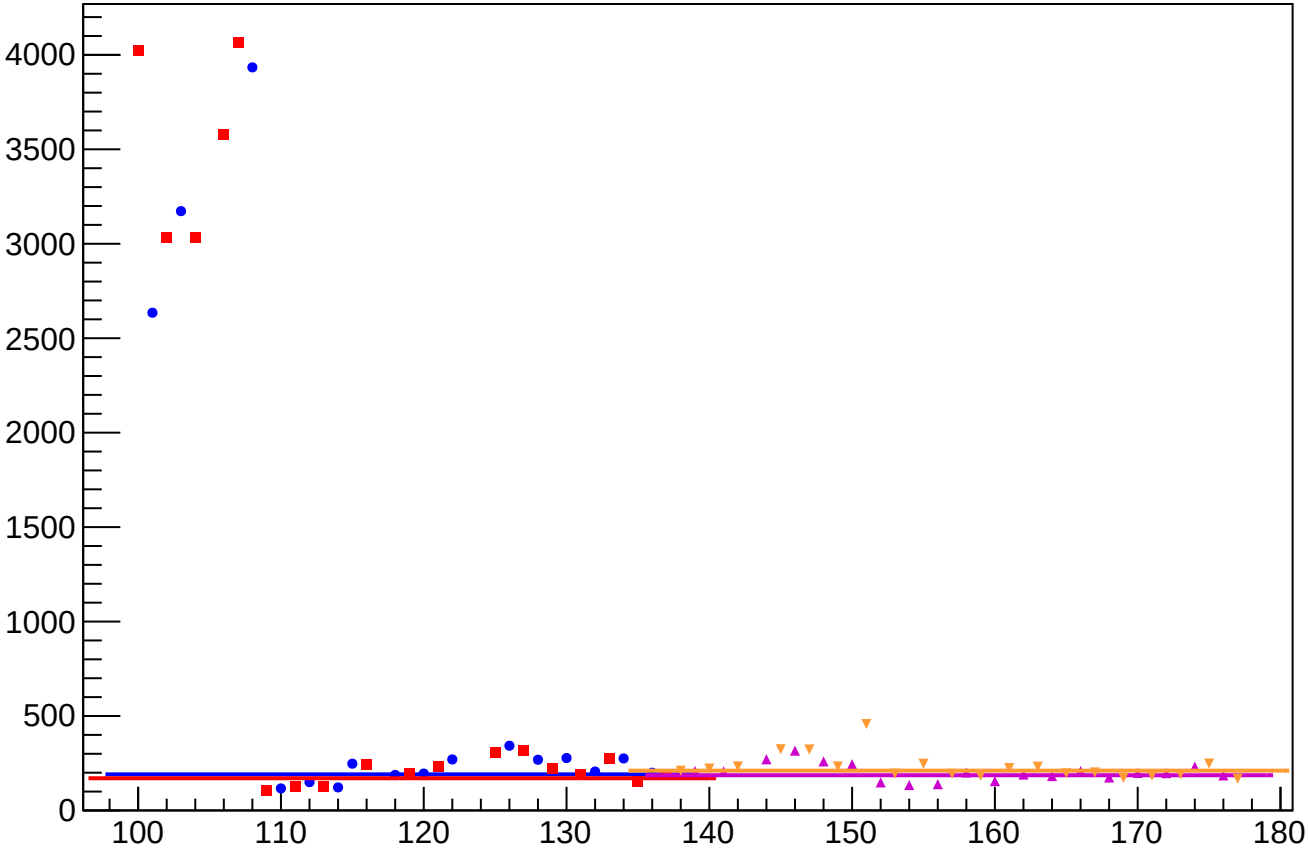
Right: -70.641+/-57.398 χ^2/NDF: 33.6/33

In: 76.719+/-42.745 χ^2/NDF:26.6/34

Out: 43.339+/-44.858 χ^2/NDF:29.0/37

All: 60.834+/-30.946 χ^2/NDF: 55.9/72

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 210.682+/-0.039 χ^2/NDF:1281024.1/19

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

Left In: 186.378+/-0.035 χ^2/NDF:1404853.8/18

Left: 197.325+/-0.026 χ^2/NDF: 2902493.6/38

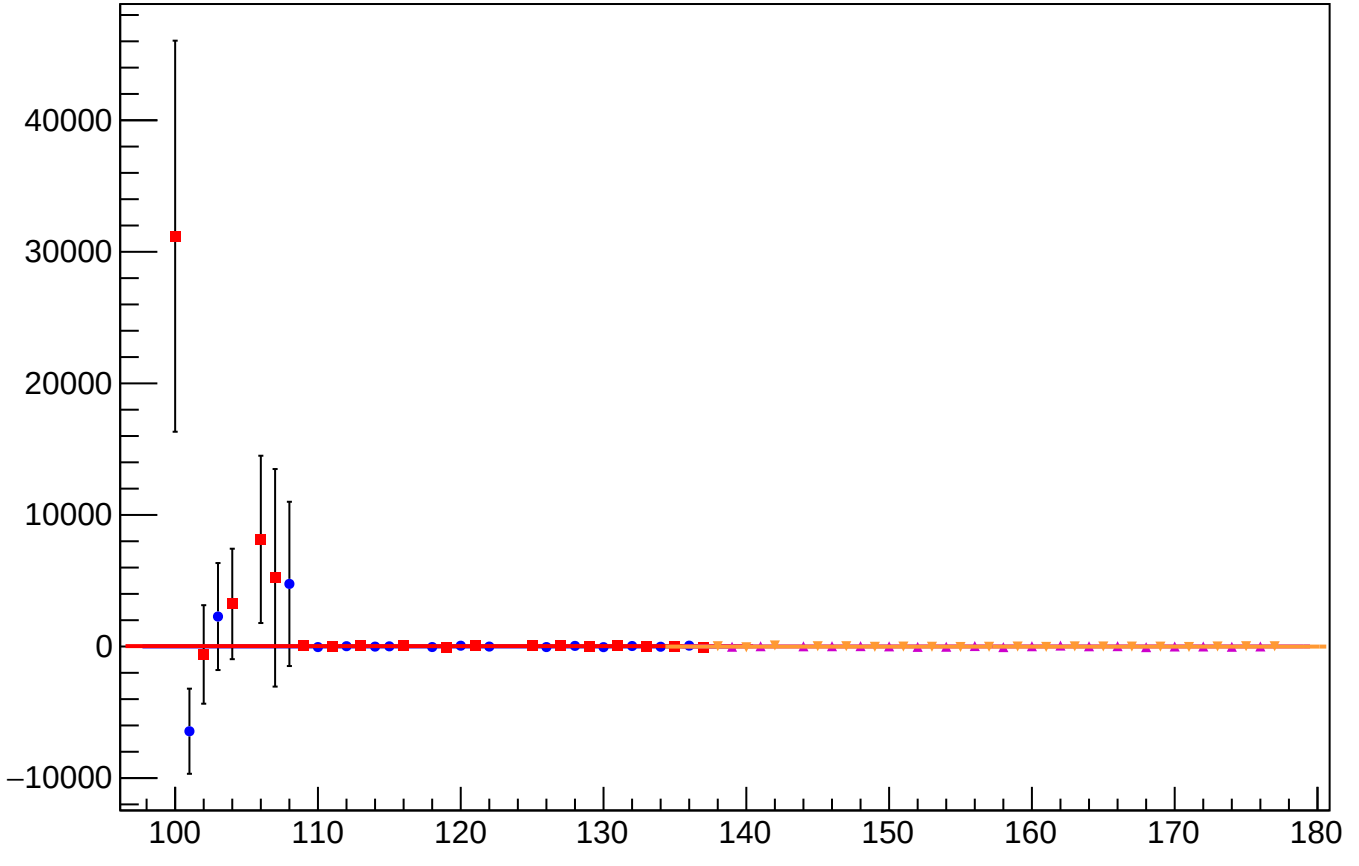
Right: 179.998+/-0.041 χ^2/NDF: 8152654.9/33

In: 187.580+/-0.030 χ^2/NDF:5243397.1/34

Out: 197.474+/-0.032 χ^2/NDF:5890040.0/37

All: 192.288+/-0.022 χ^2/NDF: 11184427.1/72

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug, Sign Corrected



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -5.654+/-7.231 χ^2/NDF:13.1/19

Right Out: 30.740+/-12.084 χ^2/NDF: 19.9/17

Left In: 6.672+/-7.312 χ^2/NDF:16.7/18

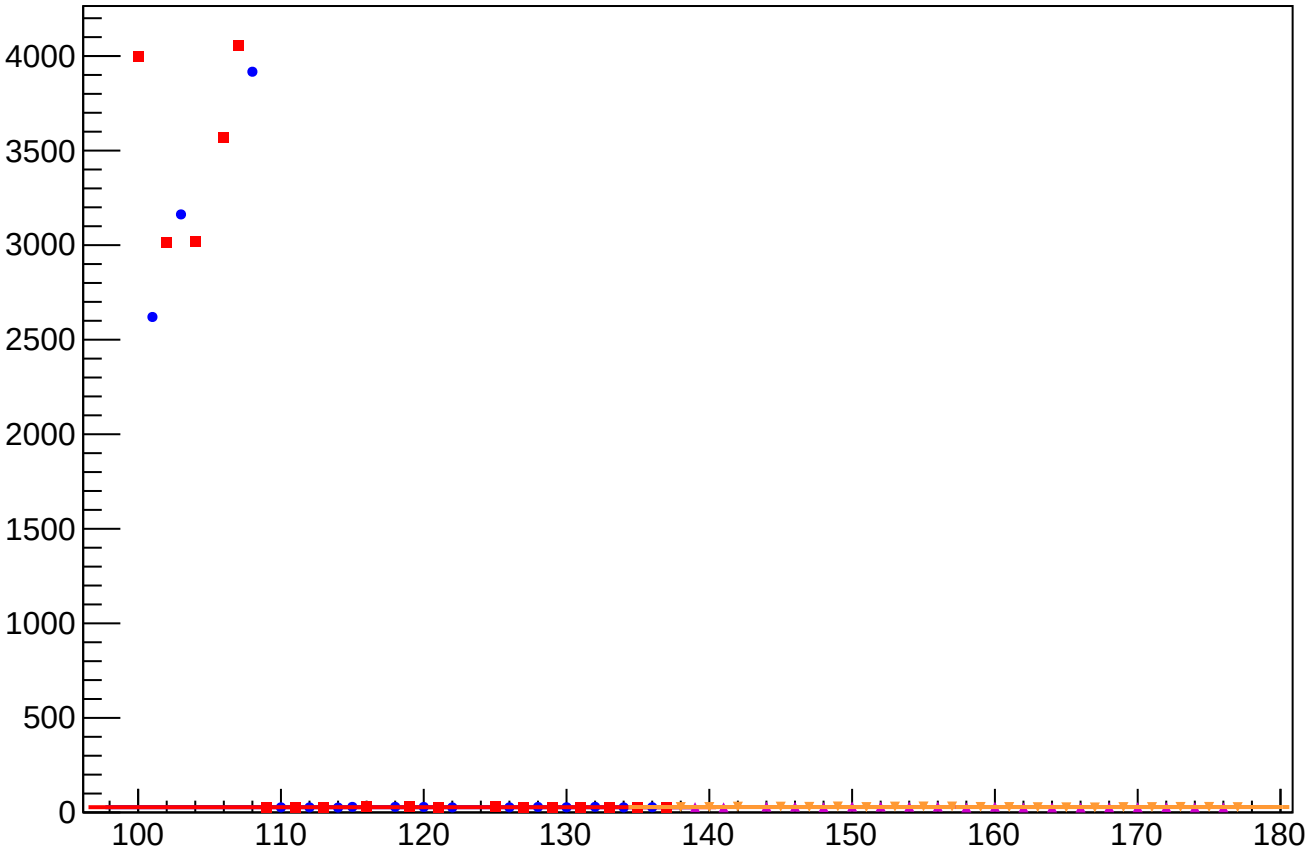
Left: 0.441+/-5.141 χ^2/NDF: 31.2/38

Right: 18.290+/-8.429 χ^2/NDF: 40.2/33

In: 6.621+/-6.210 χ^2/NDF:35.0/34

Out: 3.941+/-6.205 χ^2/NDF:39.6/37

All: 5.280+/-4.389 χ^2/NDF: 74.7/72



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 28.722+/-0.005 χ^2/NDF:74819.3/19

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

Left In: 28.717+/-0.005 χ^2/NDF:119487.0/18

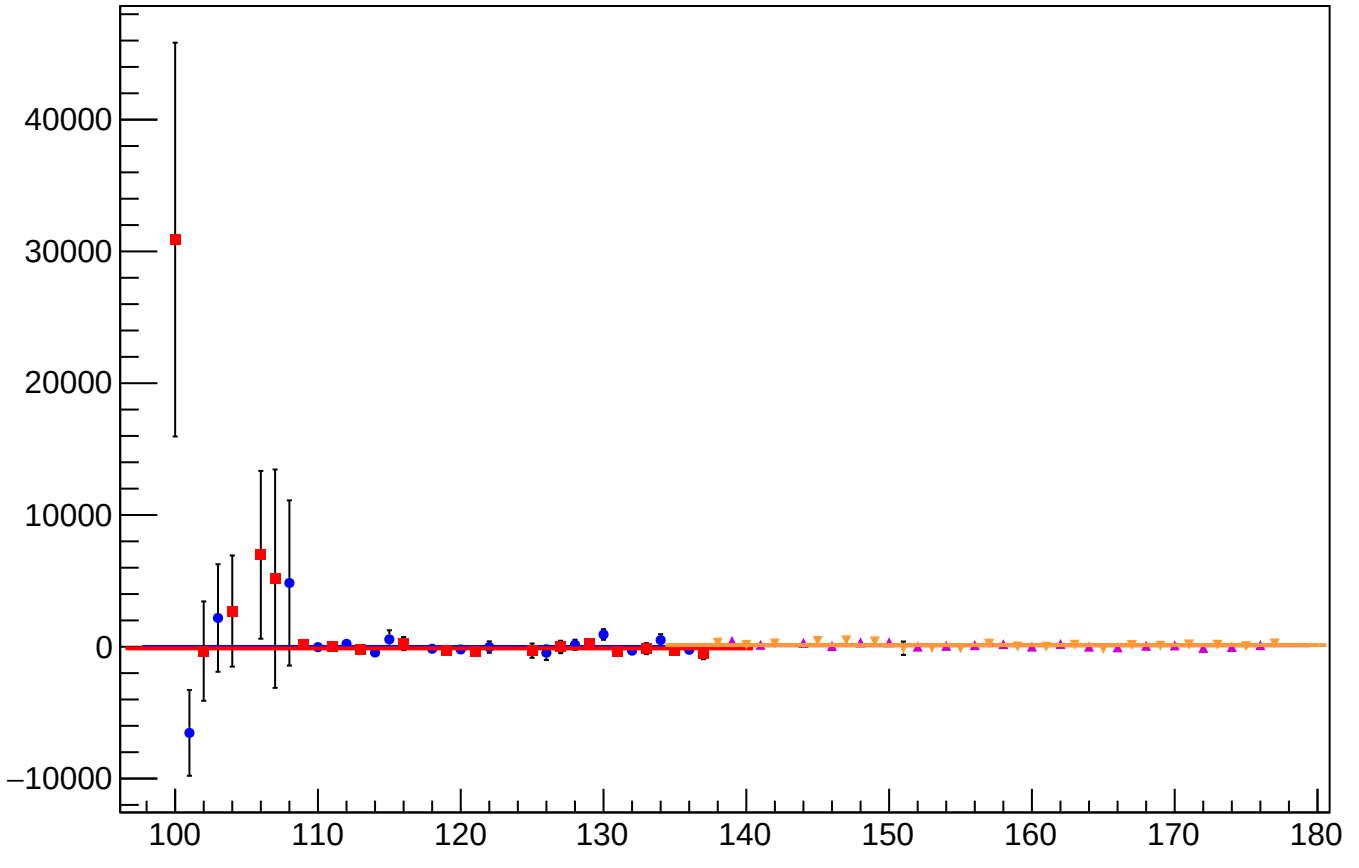
Left: 28.720+/-0.004 χ^2/NDF: 194306.7/38

Right: 27.802+/-0.006 χ^2/NDF: 6824309.2/33

In: 28.469+/-0.004 χ^2/NDF:3393683.9/34

Out: 28.473+/-0.004 χ^2/NDF:3642204.0/37

All: 28.471+/-0.003 χ^2/NDF: 7035888.6/72



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 129.008+/-55.205 χ^2/NDF:8.1/19

Right Out: -121.544+/-78.844 χ^2/NDF: 13.2/17

Left In: 117.452+/-50.032 χ^2/NDF:6.6/18

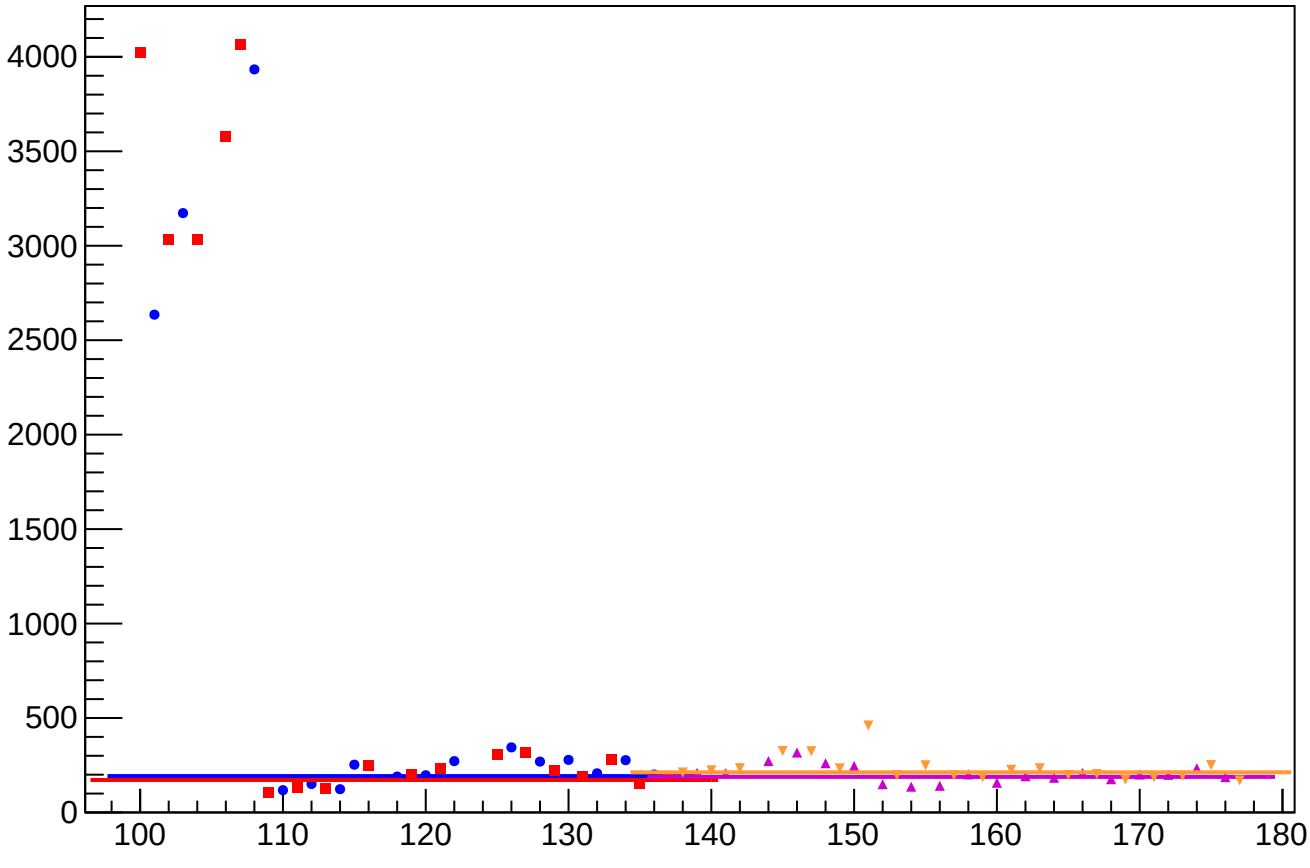
Left: 122.663+/-37.072 χ^2/NDF: 14.6/38

Right: -74.398+/-57.825 χ^2/NDF: 32.2/33

In: 82.245+/-43.125 χ^2/NDF:26.7/34

Out: 46.582+/-45.222 χ^2/NDF:28.1/37

All: 65.260+/-31.209 χ^2/NDF: 55.1/72



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 212.533+/-0.039 χ^2/NDF:1262823.1/19

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

Left In: 188.299+/-0.035 χ^2/NDF:1364198.0/18

Left: 199.228+/-0.026 χ^2/NDF: 2838632.2/38

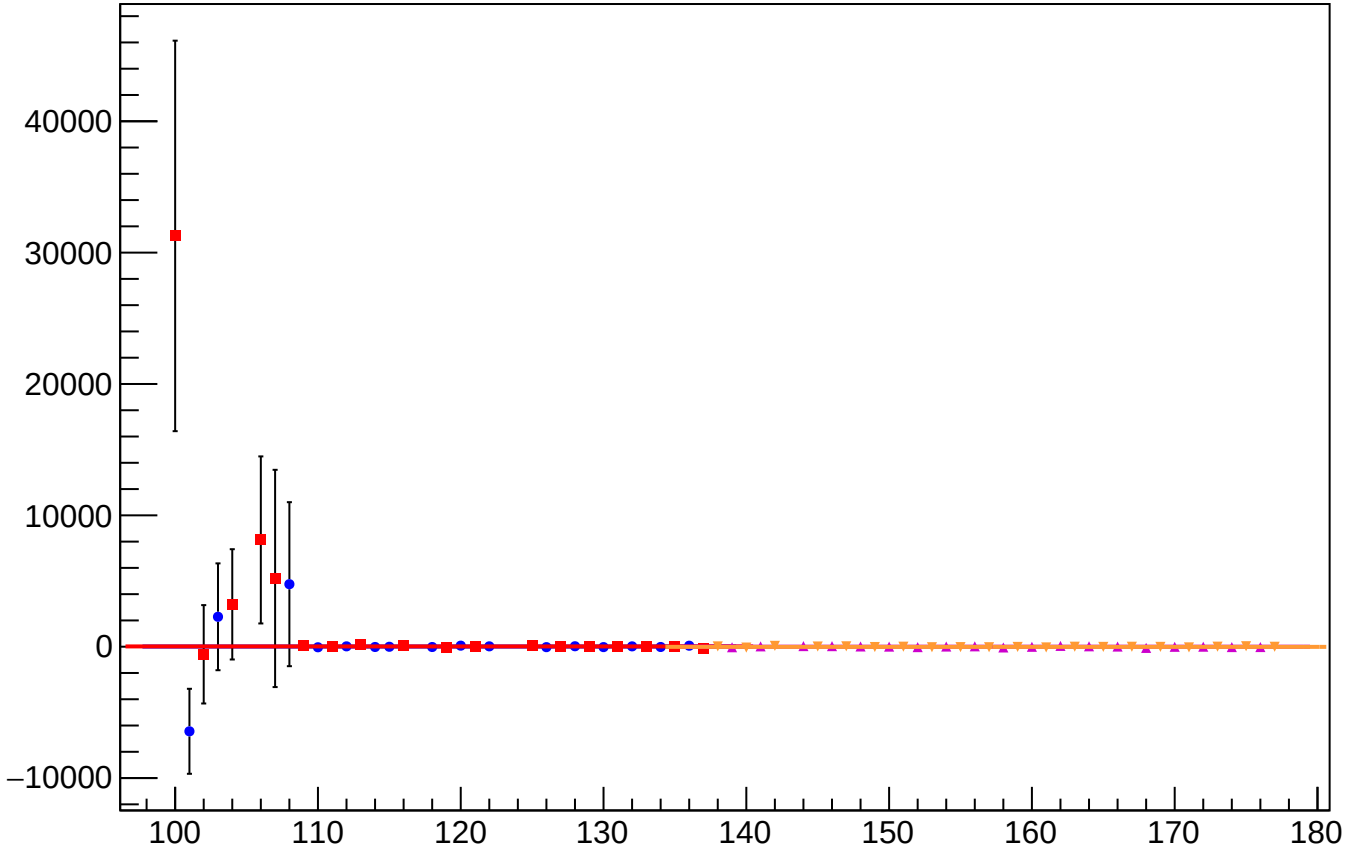
Right: 181.447+/-0.041 χ^2/NDF: 8134058.4/33

In: 189.394+/-0.030 χ^2/NDF:5190716.2/34

Out: 199.165+/-0.032 χ^2/NDF:5867093.7/37

All: 194.048+/-0.022 χ^2/NDF: 11106712.9/72

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: -12.537+/-7.852 χ^2/NDF:15.0/19

Right Out: 21.906+/-13.382 χ^2/NDF: 28.4/17

Left In: 0.155+/-7.958 χ^2/NDF:23.7/18

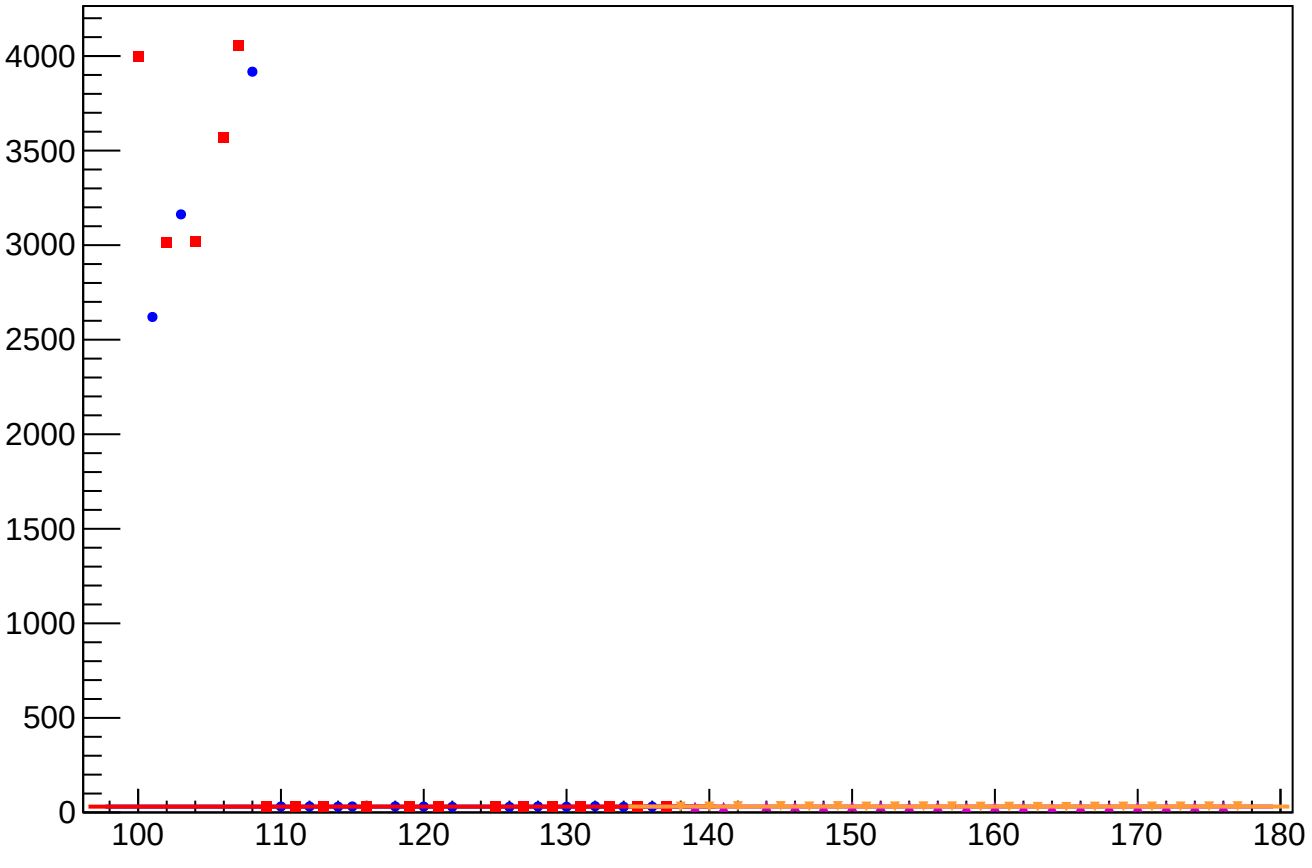
Left: -6.276+/-5.589 χ^2/NDF: 39.9/38

Right: 17.710+/-9.347 χ^2/NDF: 44.0/33

In: 3.825+/-6.796 χ^2/NDF:39.9/34

Out: -3.716+/-6.772 χ^2/NDF:48.3/37

All: 0.041+/-4.797 χ^2/NDF: 88.8/72



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.212+/-0.006 χ^2/NDF:46896.7/19

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

Left In: 31.277+/-0.006 χ^2/NDF:80577.4/18

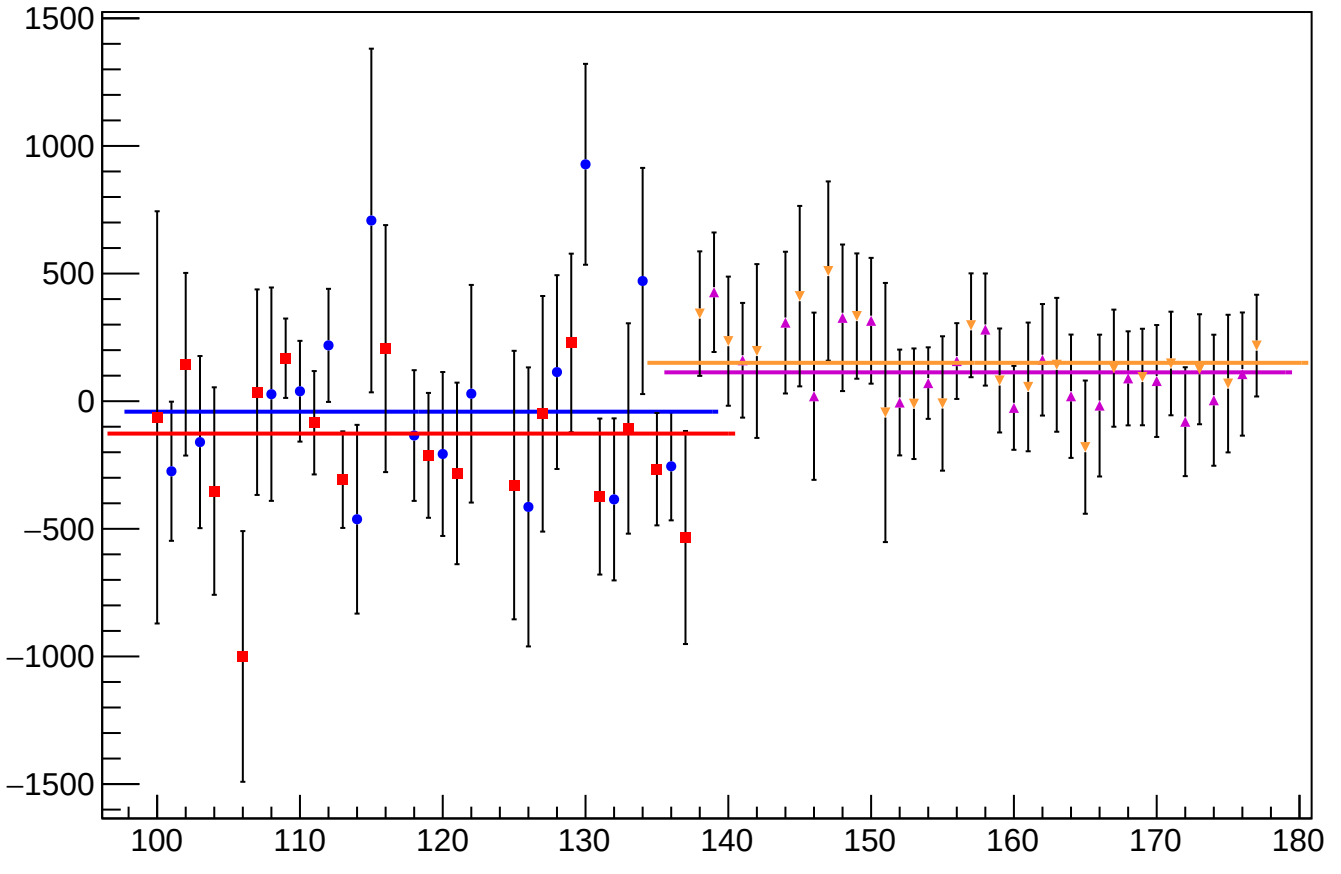
Left: 31.244+/-0.004 χ^2/NDF: 127542.4/38

Right: 30.868+/-0.007 χ^2/NDF: 6788655.9/33

In: 31.183+/-0.005 χ^2/NDF:3334224.2/34

Out: 31.107+/-0.005 χ^2/NDF:3584236.6/37

All: 31.145+/-0.003 χ^2/NDF: 6918584.1/72



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 150.321+/-54.363 χ^2/NDF:6.7/19

Right Out: -126.896+/-69.382 χ^2/NDF: 12.8/17

Left In: 113.031+/-48.686 χ^2/NDF:6.9/18

Left: 129.628+/-36.268 χ^2/NDF: 13.8/38

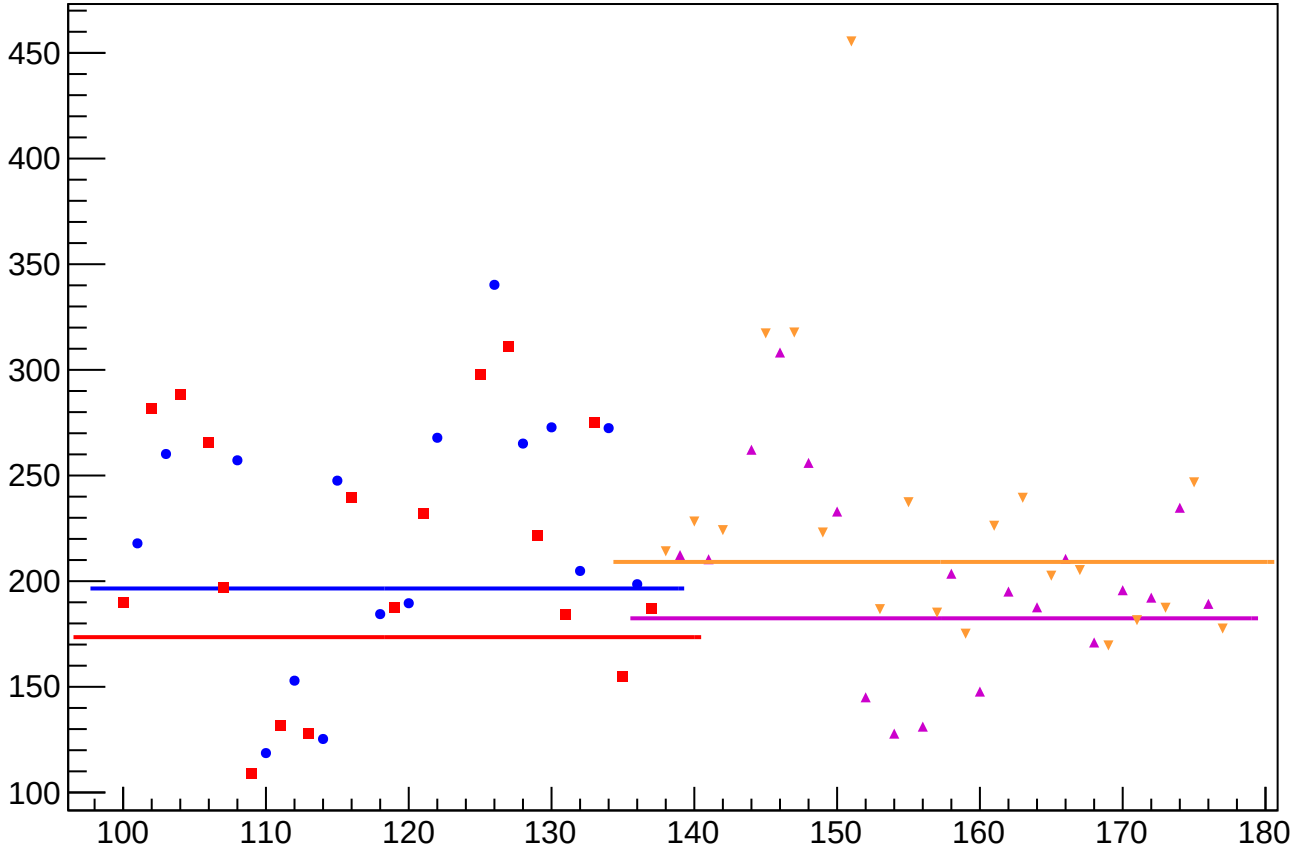
Right: -88.533+/-51.586 χ^2/NDF: 29.1/33

In: 69.120+/-41.171 χ^2/NDF:25.4/34

Out: 44.871+/-42.792 χ^2/NDF:29.3/37

All: 57.463+/-29.669 χ^2/NDF: 54.9/72

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: 209.110+/-0.038 χ^2/NDF:1271244.1/19

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

Left In: 182.422+/-0.034 χ^2/NDF:1585406.9/18

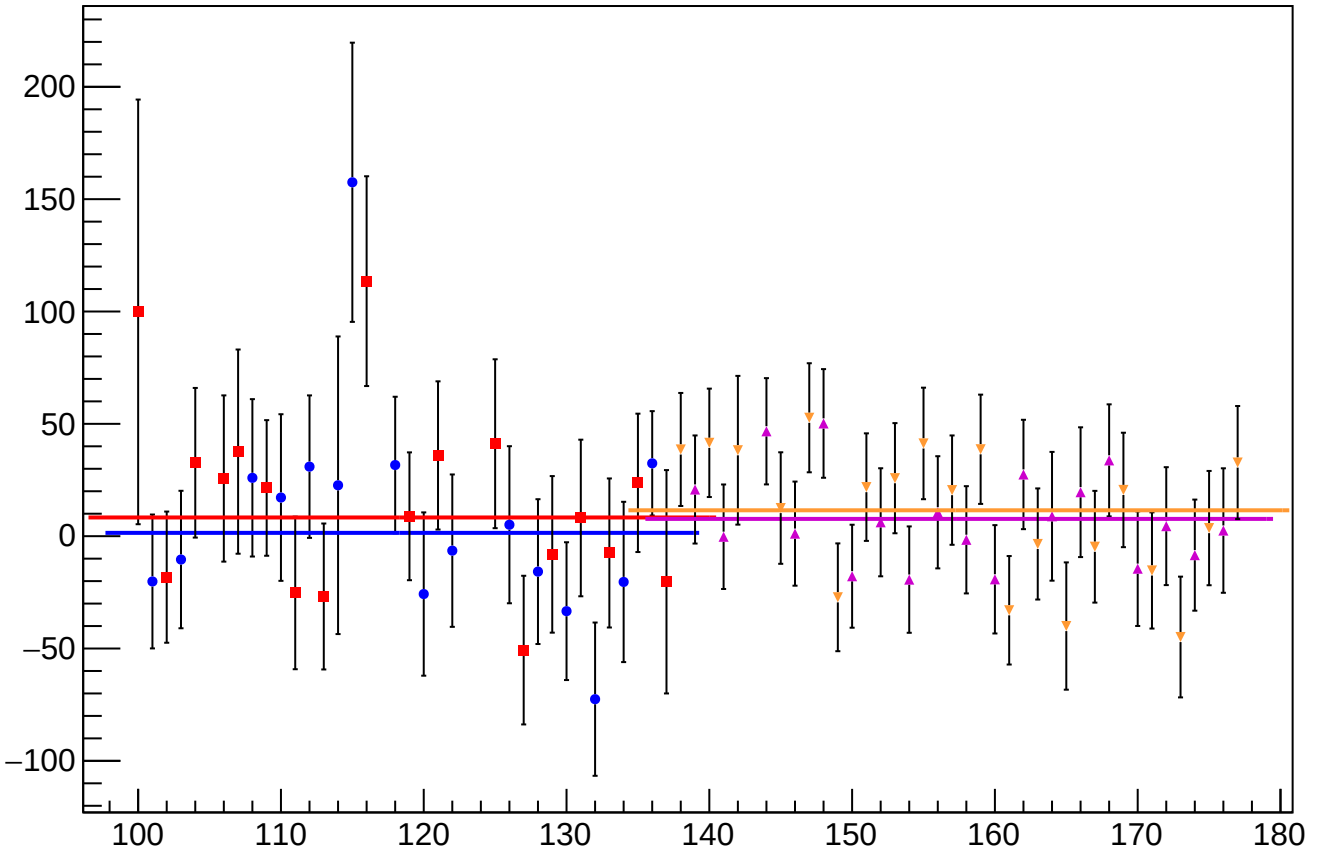
Left: 194.300+/-0.026 χ^2/NDF: 3124117.8/38

Right: 183.810+/-0.036 χ^2/NDF: 2632060.1/33

In: 186.445+/-0.029 χ^2/NDF:2634099.3/34

Out: 195.568+/-0.030 χ^2/NDF:3130221.4/37

All: 190.830+/-0.021 χ^2/NDF: 5811527.3/72



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 11.523+/-5.639 χ^2/NDF:26.1/19

Right Out: 8.329+/-8.286 χ^2/NDF: 16.0/17

Left In: 7.690+/-5.673 χ^2/NDF:13.4/18

Left: 9.617+/-3.999 χ^2/NDF: 39.7/38

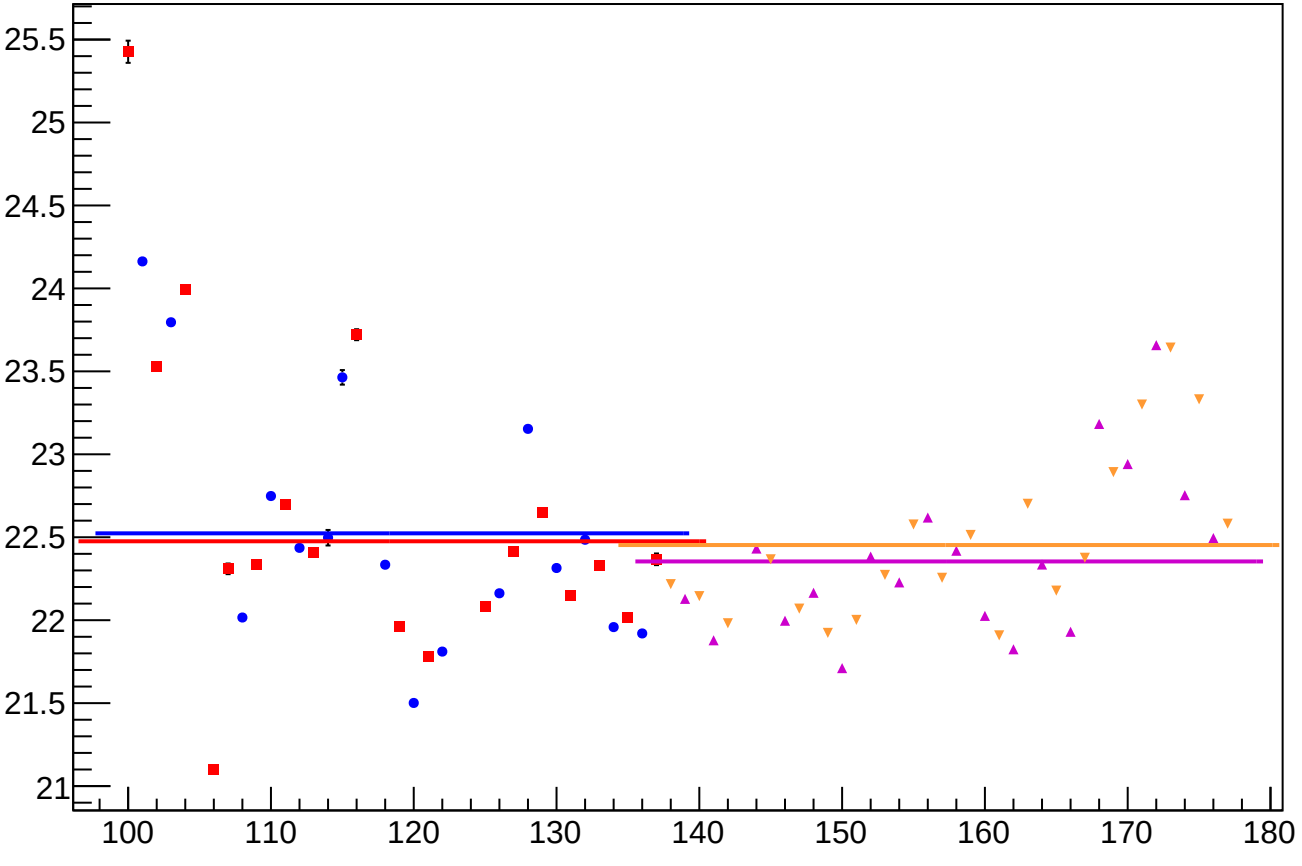
Right: 4.937+/-5.889 χ^2/NDF: 35.0/33

In: 5.734+/-4.696 χ^2/NDF:32.5/34

Out: 10.511+/-4.662 χ^2/NDF:42.2/37

All: 8.140+/-3.308 χ^2/NDF: 75.2/72

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: 22.453+/-0.004 χ^2/NDF:13946.0/19

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

Left In: 22.354+/-0.004 χ^2/NDF:14033.0/18

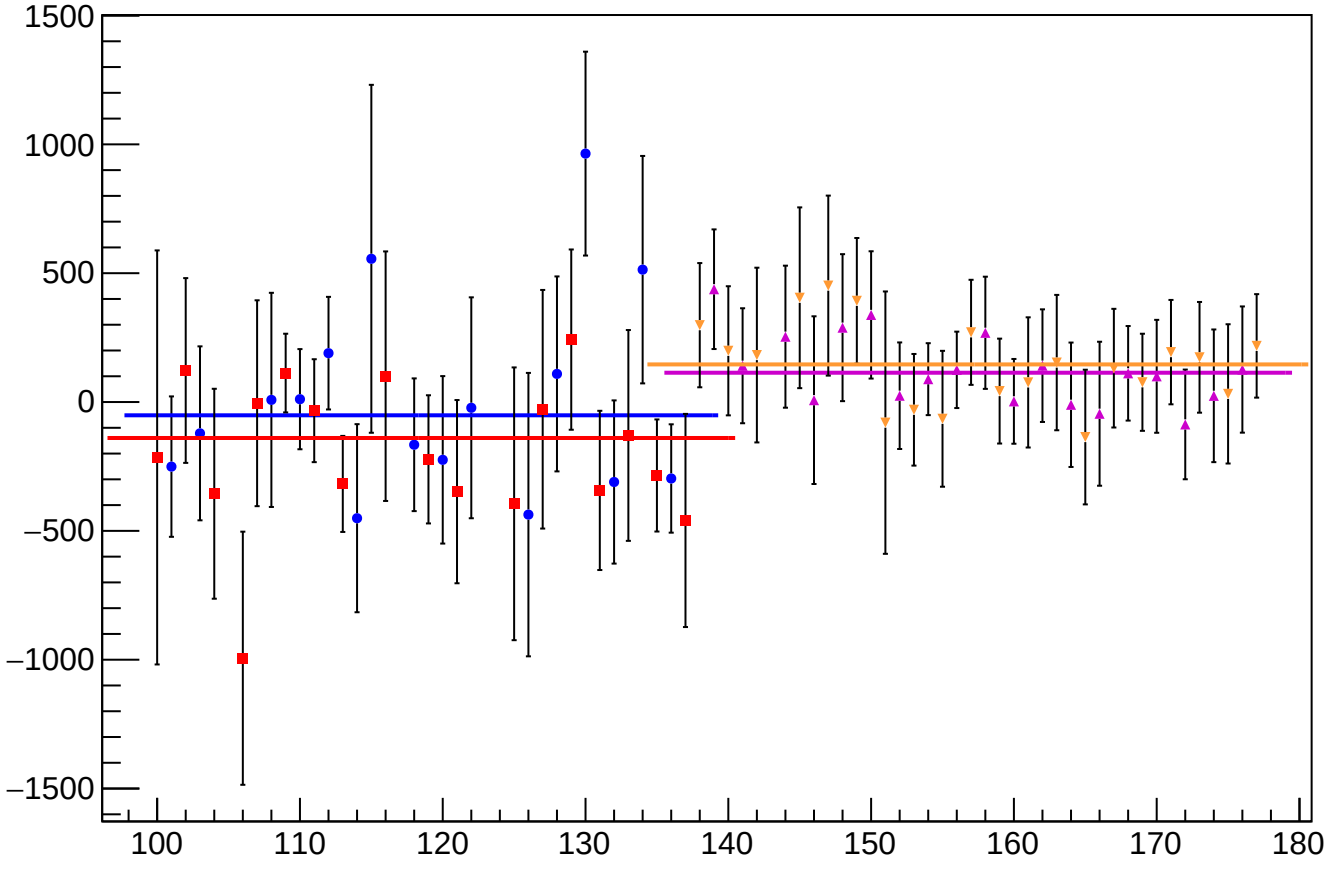
Left: 22.404+/-0.003 χ^2/NDF: 28284.6/38

Right: 22.499+/-0.004 χ^2/NDF: 31517.5/33

In: 22.407+/-0.003 χ^2/NDF:30542.4/34

Out: 22.460+/-0.003 χ^2/NDF:29492.8/37

All: 22.434+/-0.002 χ^2/NDF: 60162.2/72



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 145.995+/-54.303 χ^2/NDF:6.7/19

Right Out: -139.546+/-68.888 χ^2/NDF: 11.6/17

Left In: 113.724+/-48.594 χ^2/NDF:6.3/18

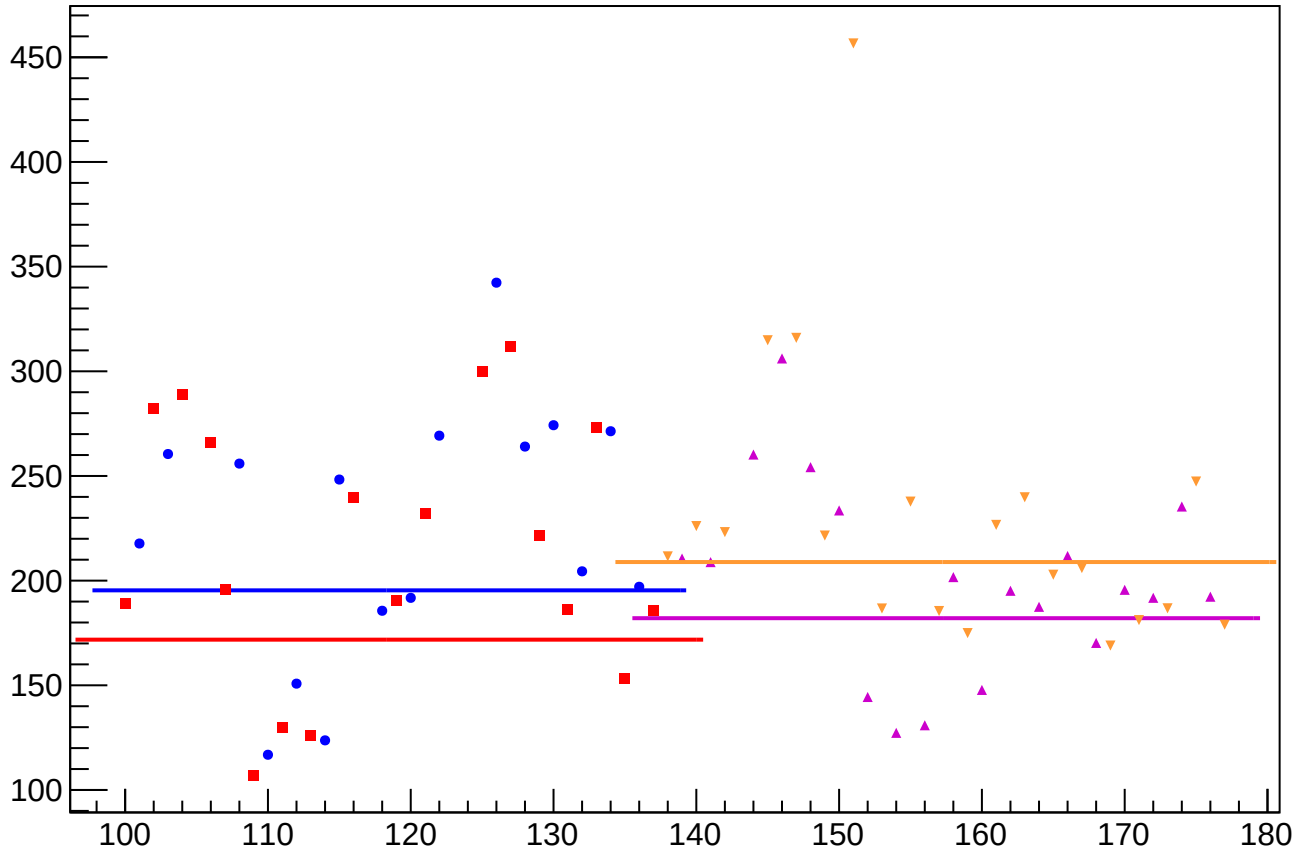
Left: 128.075+/-36.212 χ^2/NDF: 13.2/38

Right: -100.285+/-51.280 χ^2/NDF: 27.6/33

In: 66.489+/-41.064 χ^2/NDF:25.0/34

Out: 36.564+/-42.646 χ^2/NDF:28.8/37

All: 52.092+/-29.580 χ^2/NDF: 54.1/72



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 208.885+/-0.038 χ^2/NDF:1261845.4/19

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

Left In: 182.060+/-0.034 χ^2/NDF:1581063.9/18

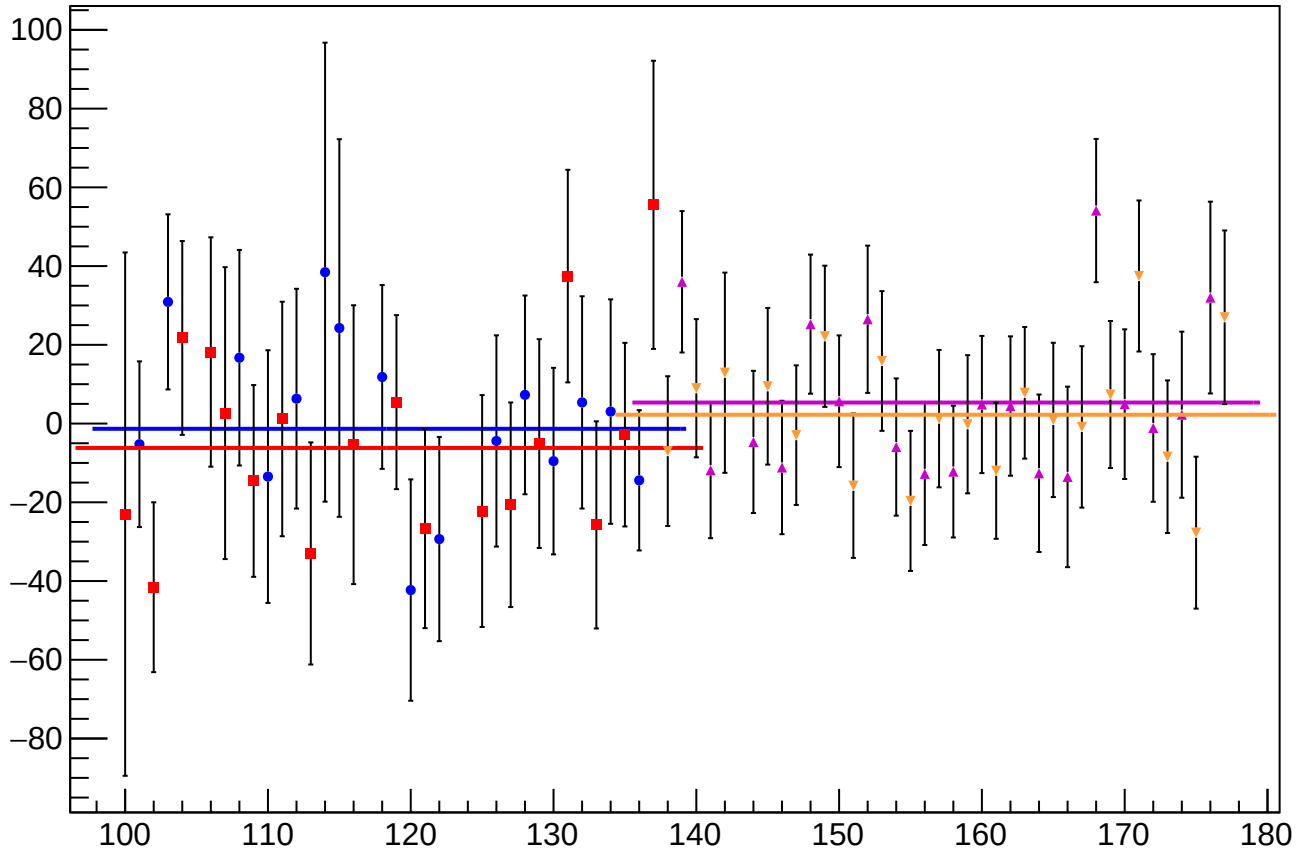
Left: 193.989+/-0.026 χ^2/NDF: 3113929.1/38

Right: 182.308+/-0.036 χ^2/NDF: 2746362.8/33

In: 185.863+/-0.029 χ^2/NDF:2665335.7/34

Out: 194.674+/-0.030 χ^2/NDF:3219894.1/37

All: 190.102+/-0.021 χ^2/NDF: 5929535.4/72



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 2.245+/-4.185 χ^2/NDF:13.3/19

Right Out: -6.195+/-6.473 χ^2/NDF: 13.5/17

Left In: 5.340+/-4.225 χ^2/NDF:20.2/18

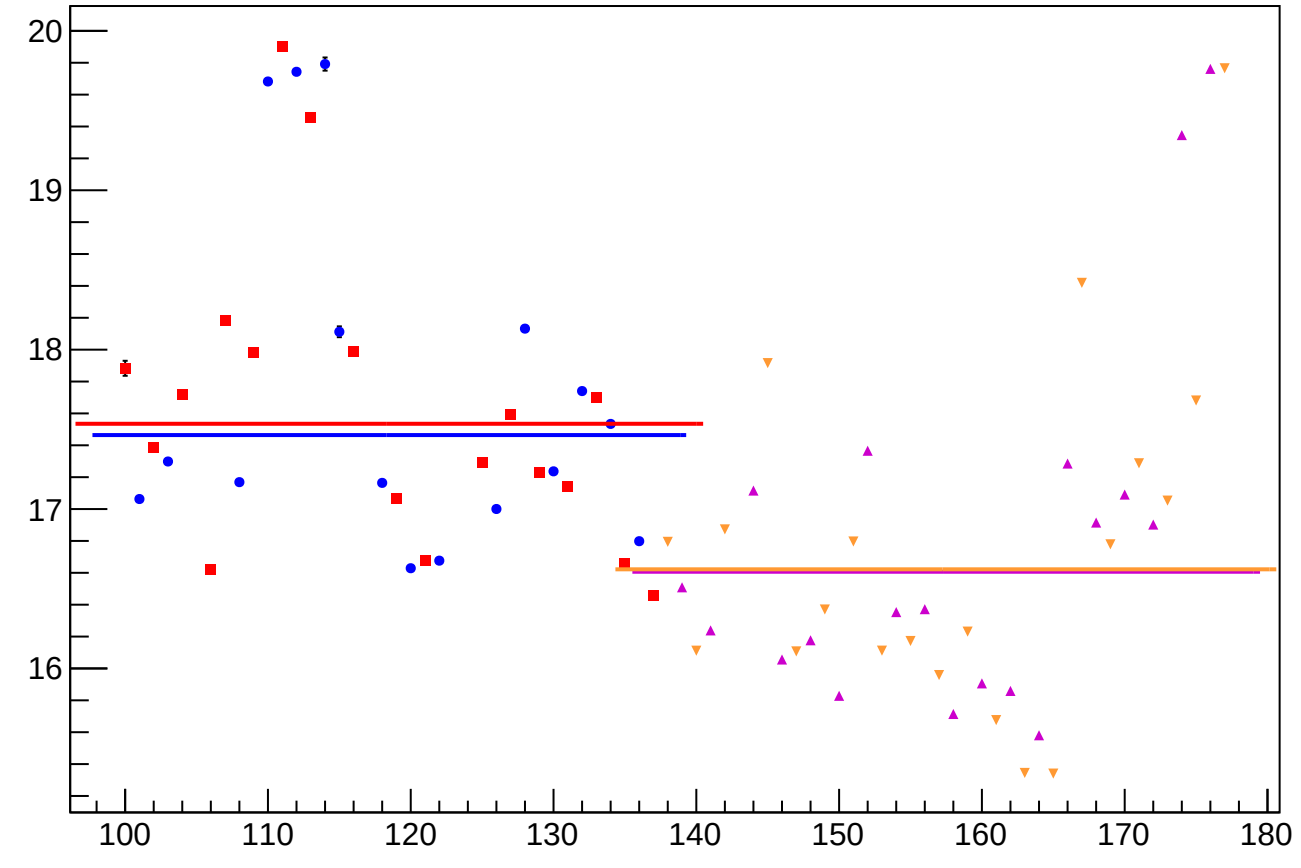
Left: 3.777+/-2.973 χ^2/NDF: 33.9/38

Right: -3.773+/-4.586 χ^2/NDF: 21.8/33

In: 3.358+/-3.542 χ^2/NDF:29.0/34

Out: -0.243+/-3.514 χ^2/NDF:28.0/37

All: 1.543+/-2.495 χ^2/NDF: 57.5/72



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.622+/-0.003 χ^2/NDF:111348.0/19

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

Left In: 16.607+/-0.003 χ^2/NDF:103386.9/18

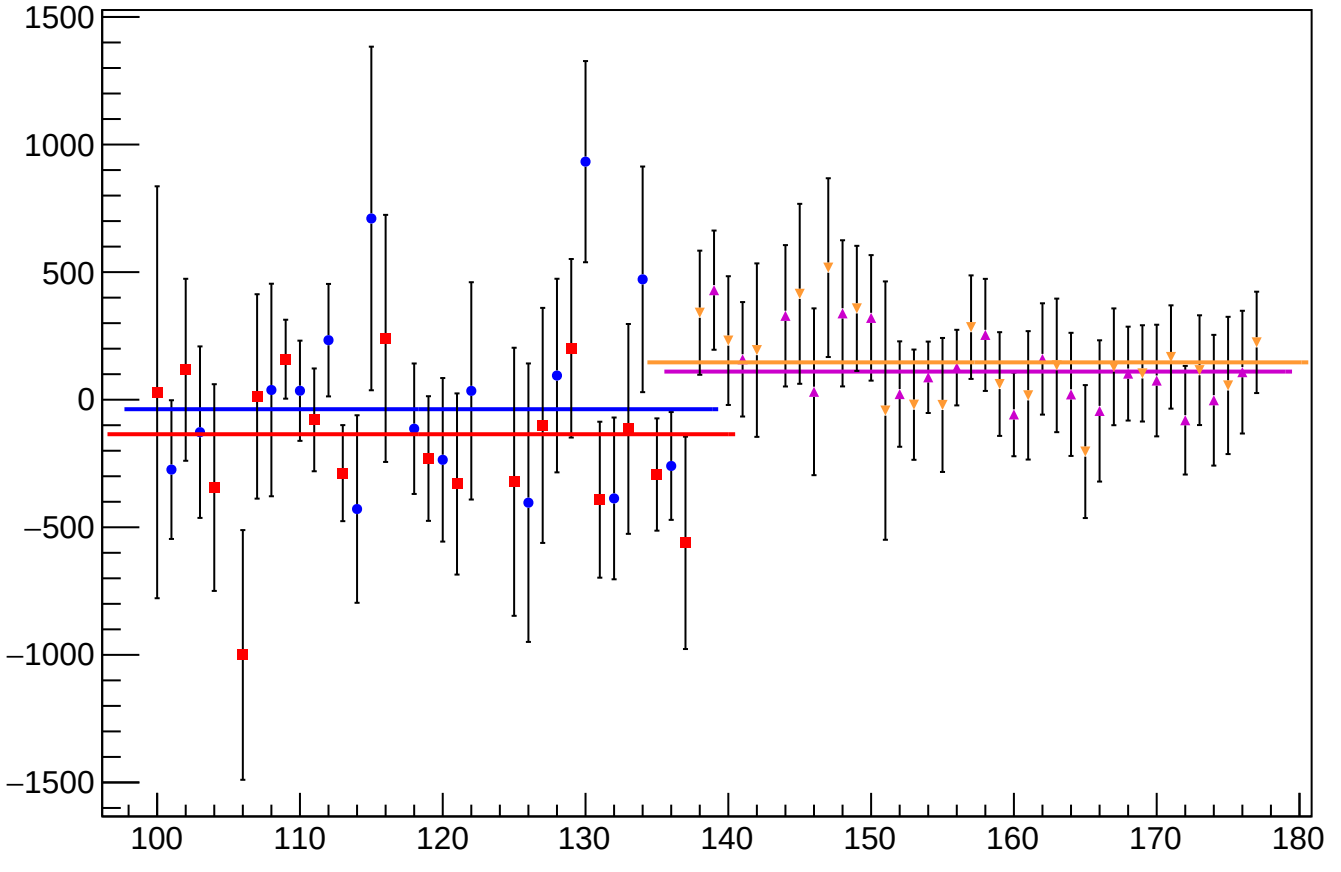
Left: 16.614+/-0.002 χ^2/NDF: 214748.0/38

Right: 17.500+/-0.003 χ^2/NDF: 71244.5/33

In: 16.862+/-0.003 χ^2/NDF:164509.6/34

Out: 16.891+/-0.002 χ^2/NDF:173892.8/37

All: 16.876+/-0.002 χ^2/NDF: 338472.6/72



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 146.378+/-54.241 χ^2/NDF:7.4/19

Right Out: -135.279+/-69.157 χ^2/NDF: 12.8/17

Left In: 110.196+/-48.588 χ^2/NDF:7.2/18

Left: 126.304+/-36.191 χ^2/NDF: 14.8/38

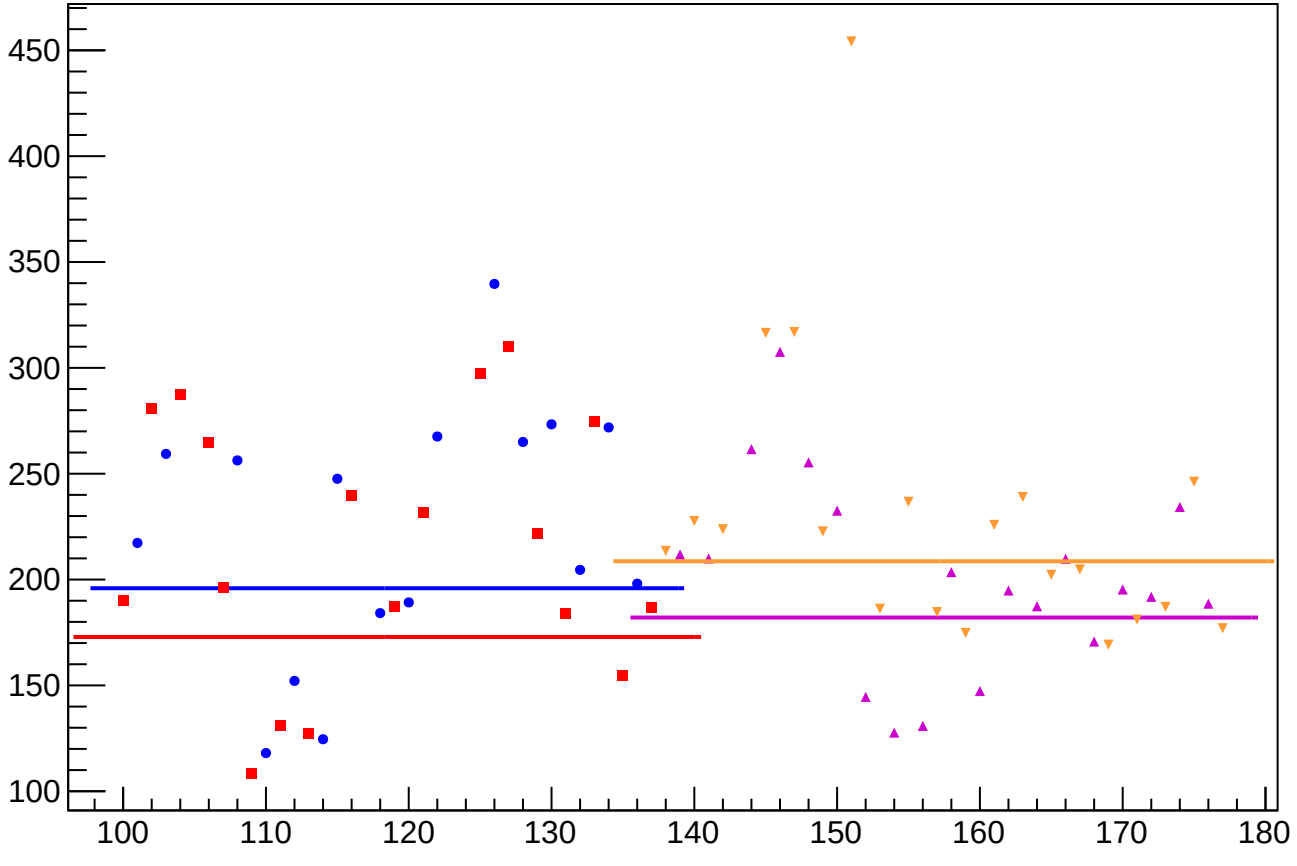
Right: -91.452+/-51.426 χ^2/NDF: 29.3/33

In: 68.141+/-41.078 χ^2/NDF:25.5/34

Out: 39.107+/-42.680 χ^2/NDF:30.5/37

All: 54.179+/-29.597 χ^2/NDF: 56.2/72

asym_bcm_dg_us_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 208.641+/-0.038 χ^2/NDF:1271375.5/19

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

Left In: 182.058+/-0.034 χ^2/NDF:1585263.2/18

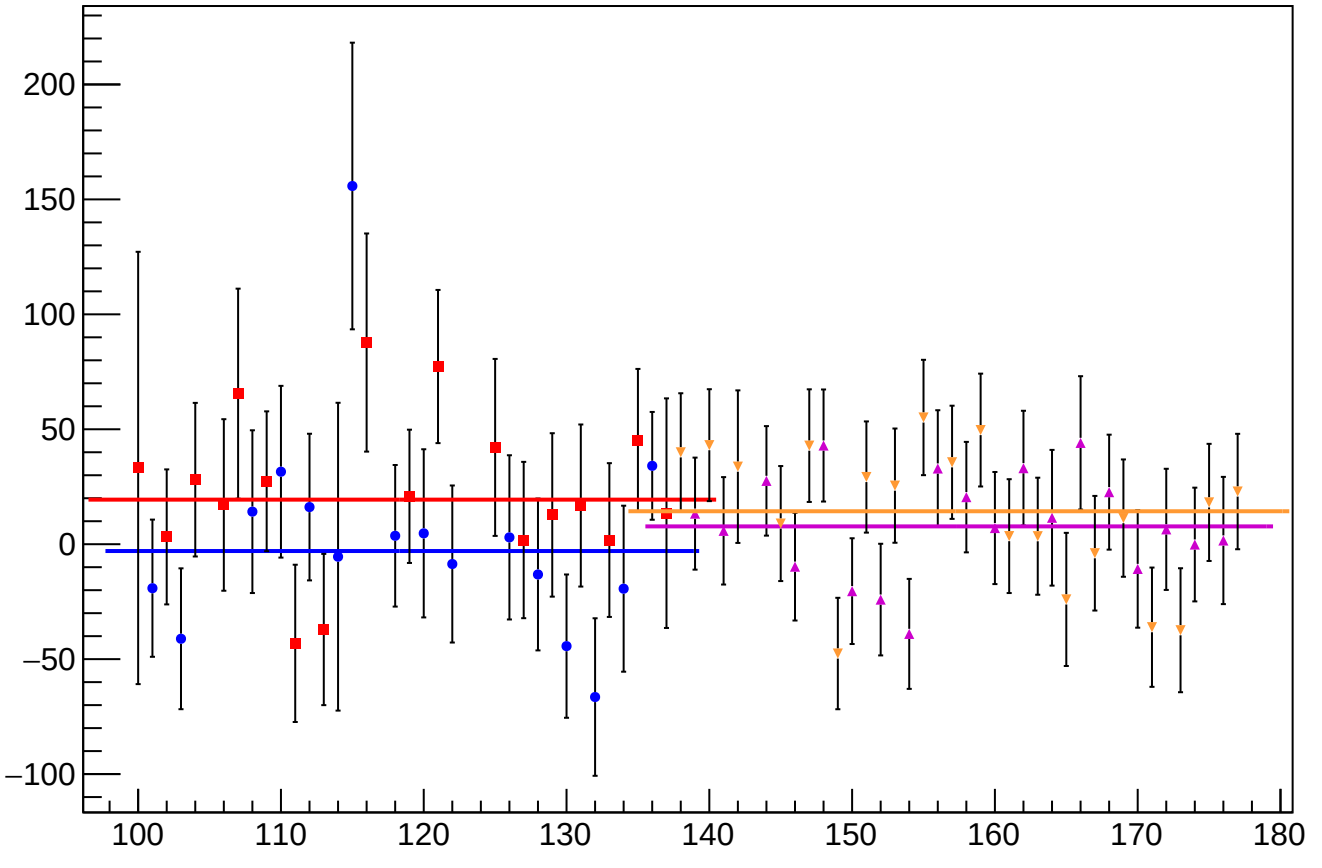
Left: 193.893+/-0.026 χ^2/NDF: 3123146.9/38

Right: 183.167+/-0.036 χ^2/NDF: 2653391.3/33

In: 186.006+/-0.029 χ^2/NDF:2642569.7/34

Out: 195.018+/-0.030 χ^2/NDF:3145863.9/37

All: 190.340+/-0.021 χ^2/NDF: 5834723.5/72



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 14.336+/-5.698 χ^2/NDF:27.0/19

Right Out: 19.387+/-8.381 χ^2/NDF: 14.5/17

Left In: 7.750+/-5.723 χ^2/NDF:15.3/18

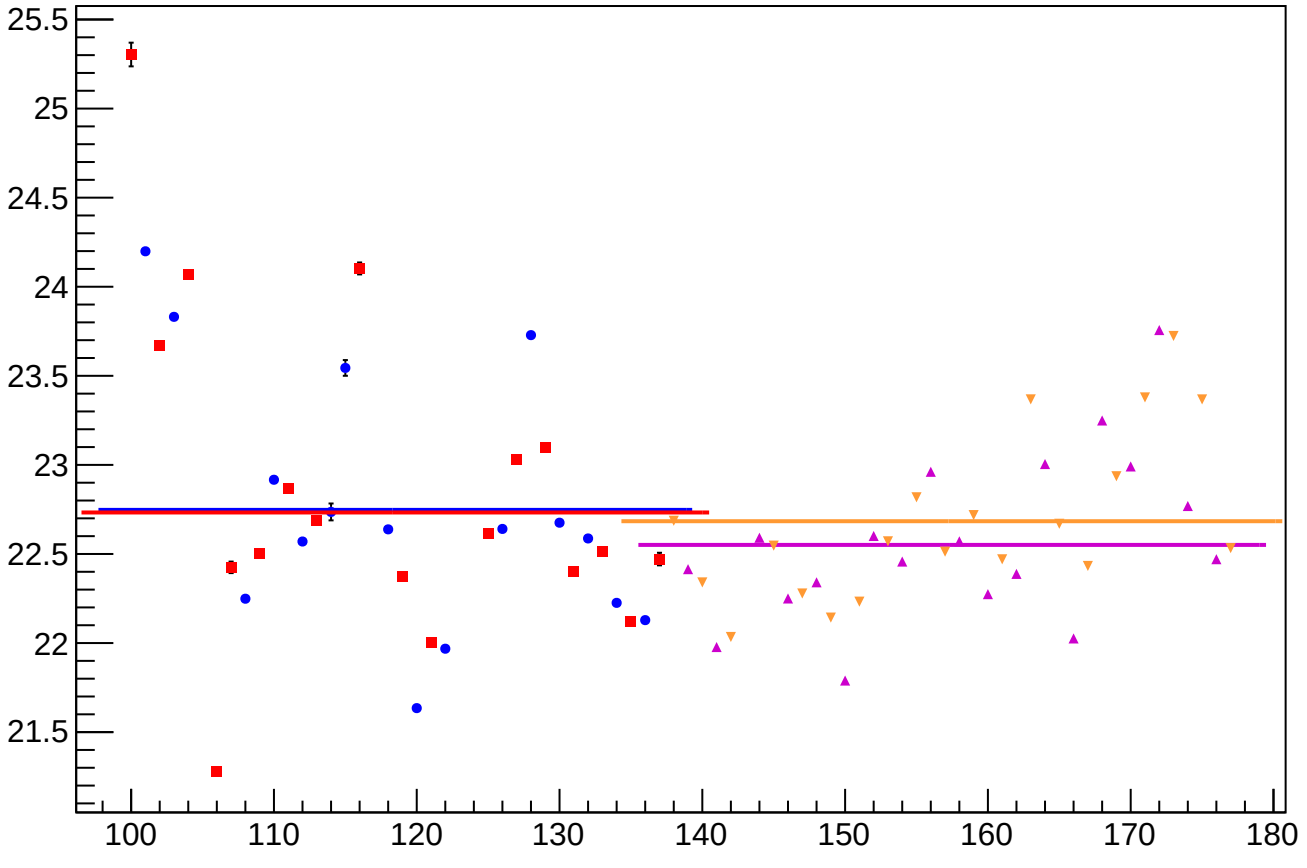
Left: 11.058+/-4.038 χ^2/NDF: 43.0/38

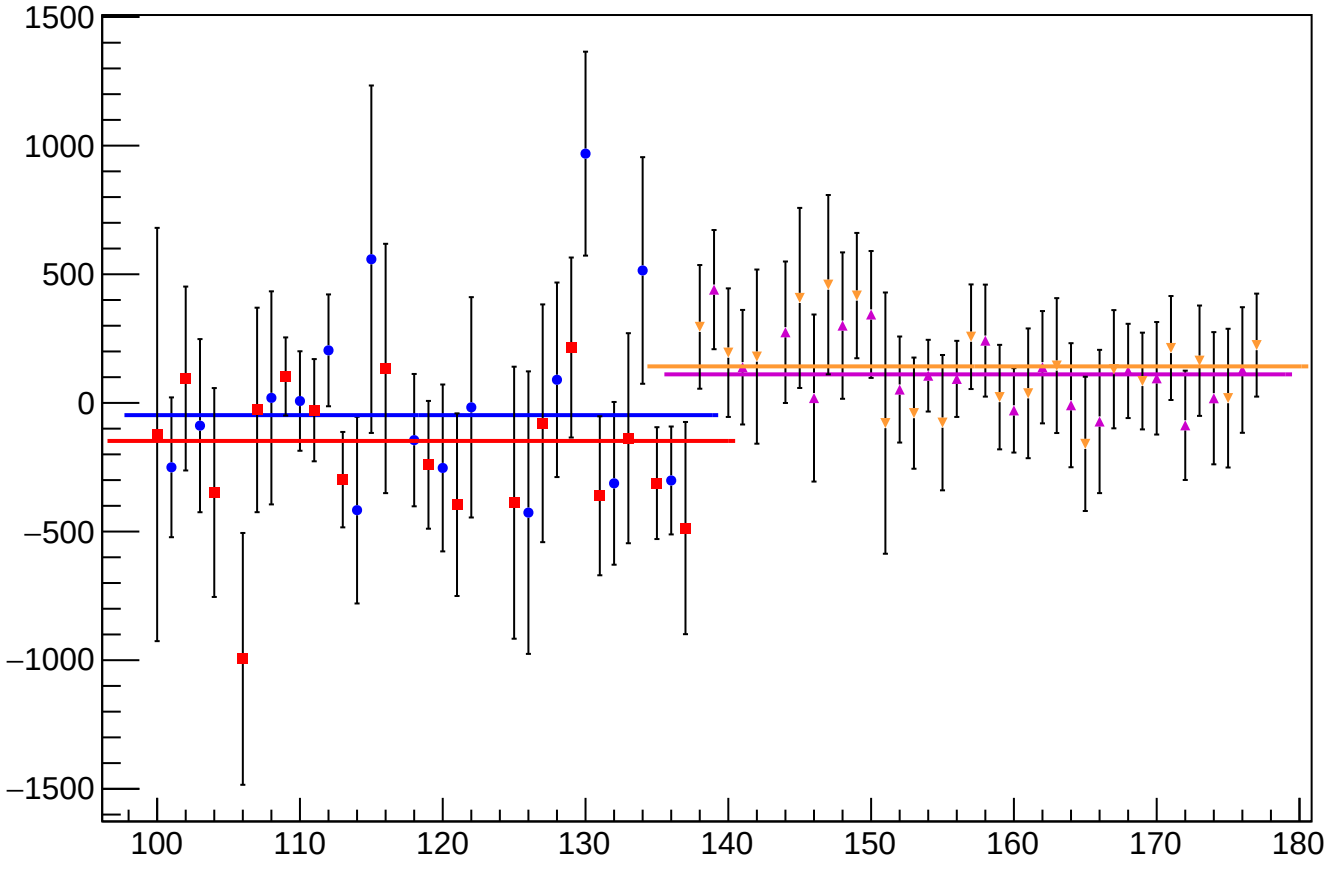
Right: 8.306+/-5.952 χ^2/NDF: 36.0/33

In: 4.382+/-4.739 χ^2/NDF:34.4/34

Out: 15.932+/-4.712 χ^2/NDF:41.7/37

All: 10.190+/-3.341 χ^2/NDF: 79.1/72


asym_bcm_dg_us_an_ds_dd_rms vs Slug, Sign Corrected
25.5
25
24.5
24
23.5
23
22.5
22
21.5
100
110
120
130
140
150
160
170
180
Right In: 22.747+/-0.006 χ²/NDF: 14622.8/15
Left Out: 22.684+/-0.004 χ²/NDF:11577.7/19
Right Out: 22.733+/-0.006 χ²/NDF: 14389.6/17
Left In: 22.551+/-0.004 χ²/NDF:12488.9/18
Left: 22.618+/-0.003 χ²/NDF: 24609.1/38
Right: 22.740+/-0.004 χ²/NDF: 29015.4/33
In: 22.613+/-0.003 χ²/NDF:27853.3/34
Out: 22.699+/-0.003 χ²/NDF:26014.2/37
All: 22.656+/-0.002 χ²/NDF: 54204.2/72



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 141.974+/-54.181 χ^2/NDF:7.5/19

Right Out: -147.812+/-68.660 χ^2/NDF: 11.5/17

Left In: 110.976+/-48.497 χ^2/NDF:6.7/18

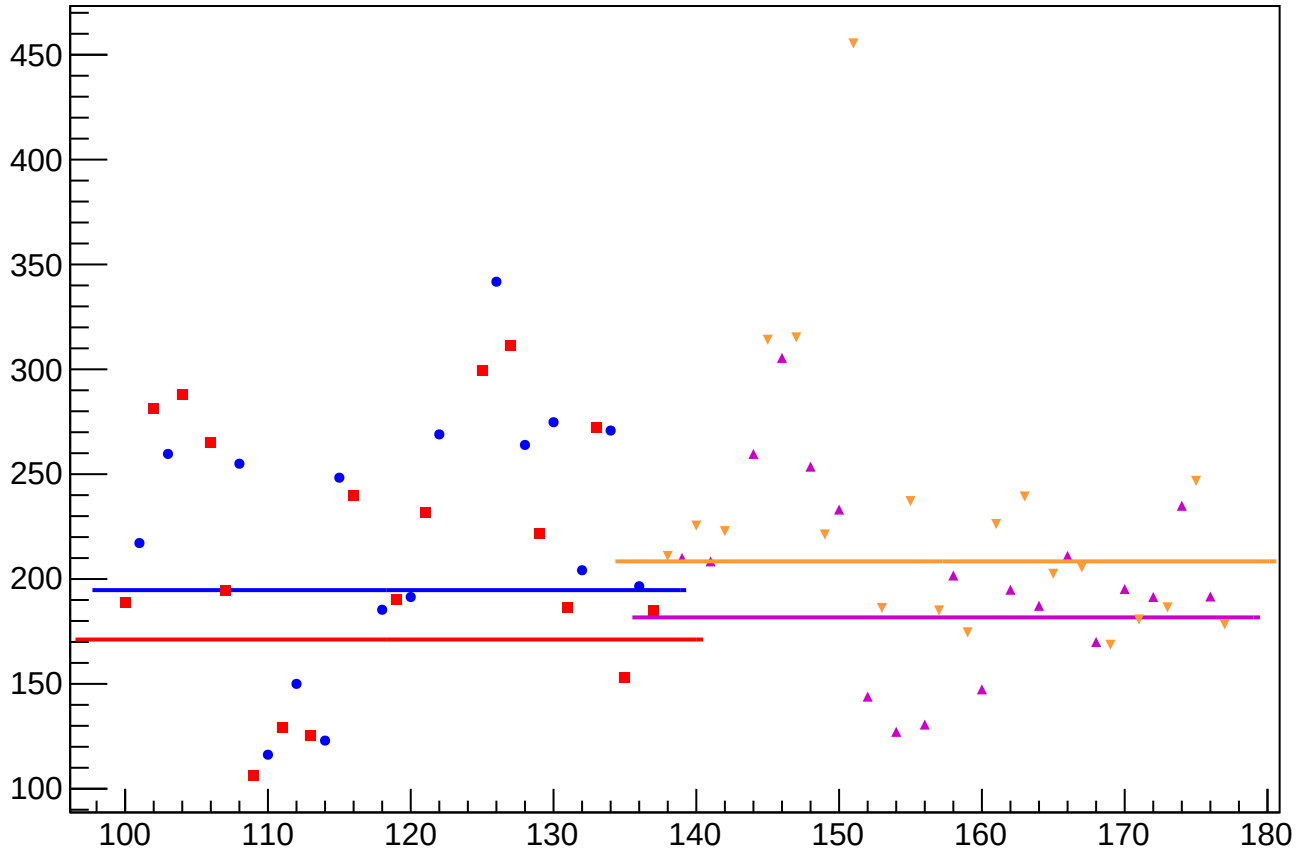
Left: 124.764+/-36.135 χ^2/NDF: 14.4/38

Right: -103.114+/-51.119 χ^2/NDF: 27.9/33

In: 65.599+/-40.970 χ^2/NDF:25.2/34

Out: 30.769+/-42.533 χ^2/NDF:30.0/37

All: 48.835+/-29.507 χ^2/NDF: 55.5/72



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 208.416+/-0.038 χ^2/NDF:1261966.1/19

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

Left In: 181.699+/-0.034 χ^2/NDF:1580736.4/18

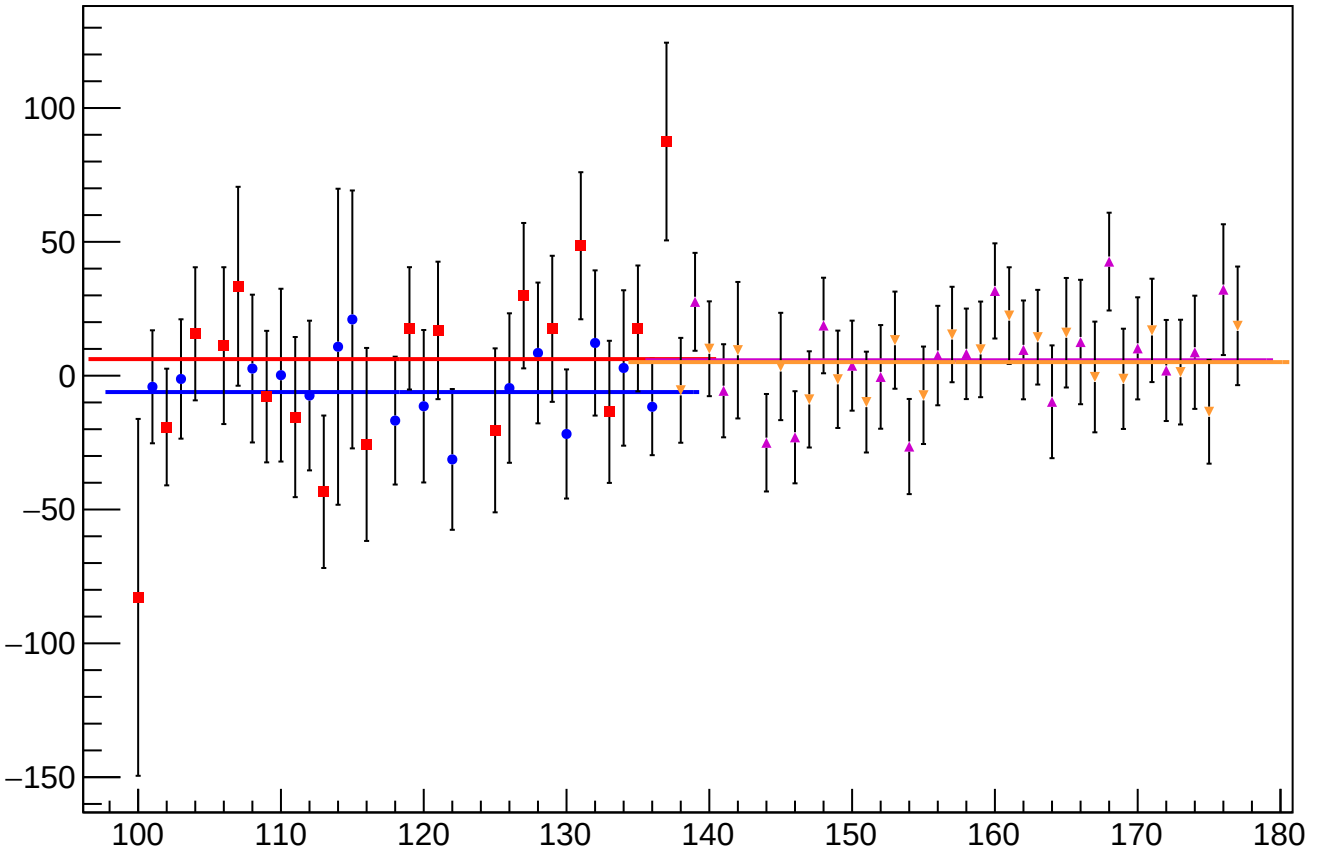
Left: 193.583+/-0.026 χ^2/NDF: 3112708.0/38

Right: 181.653+/-0.036 χ^2/NDF: 2769105.7/33

In: 185.423+/-0.029 χ^2/NDF:2674227.2/34

Out: 194.118+/-0.030 χ^2/NDF:3236871.5/37

All: 189.608+/-0.021 χ^2/NDF: 5954449.5/72



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 5.072+/-4.267 χ^2/NDF:6.2/19

Right Out: 6.195+/-6.580 χ^2/NDF: 18.6/17

Left In: 5.760+/-4.293 χ^2/NDF:19.6/18

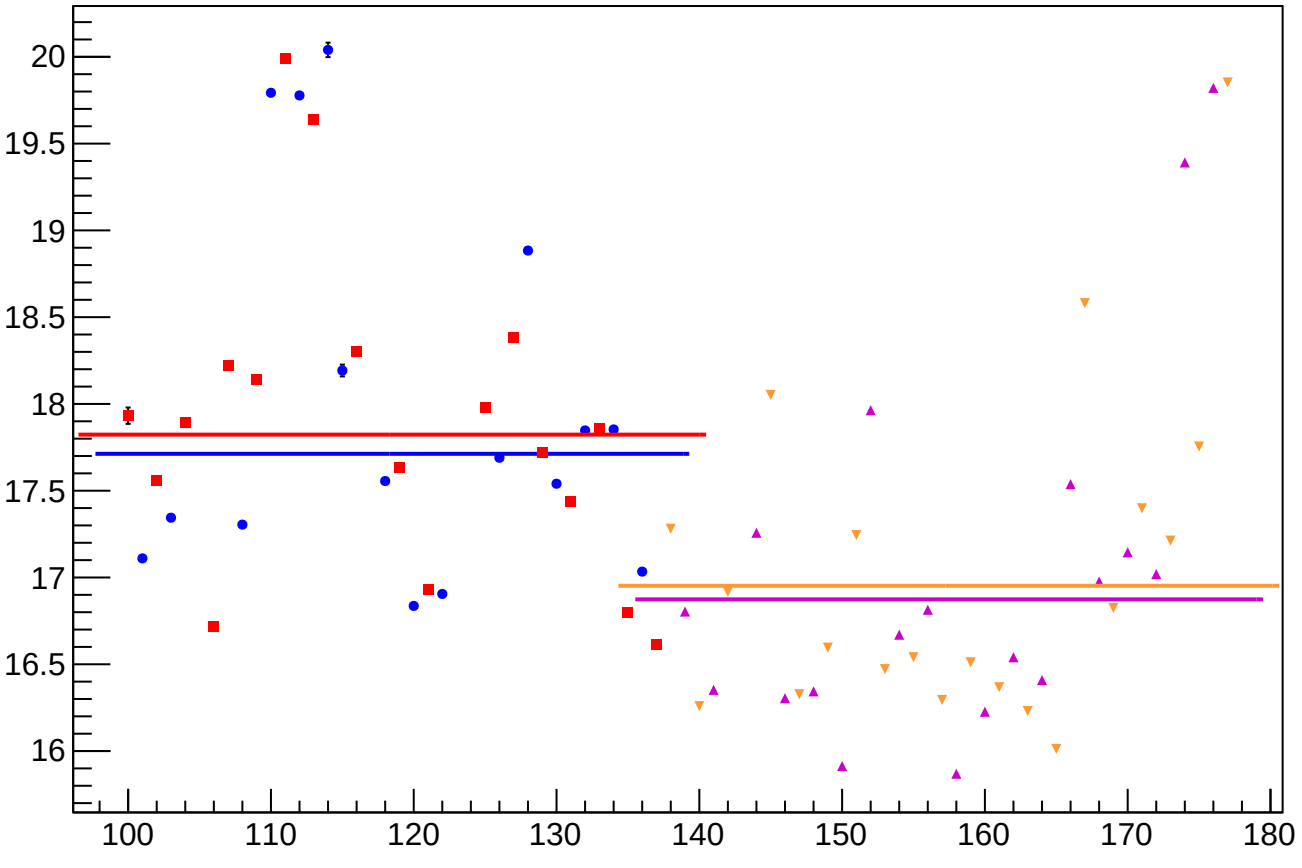
Left: 5.414+/-3.026 χ^2/NDF: 25.8/38

Right: 0.049+/-4.657 χ^2/NDF: 23.5/33

In: 2.222+/-3.598 χ^2/NDF:25.0/34

Out: 5.404+/-3.580 χ^2/NDF:24.9/37

All: 3.821+/-2.538 χ^2/NDF: 50.3/72



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.952+/-0.003 χ^2/NDF:80941.7/19

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

Left In: 16.874+/-0.003 χ^2/NDF:90801.5/18

Left: 16.913+/-0.002 χ^2/NDF: 172078.7/38

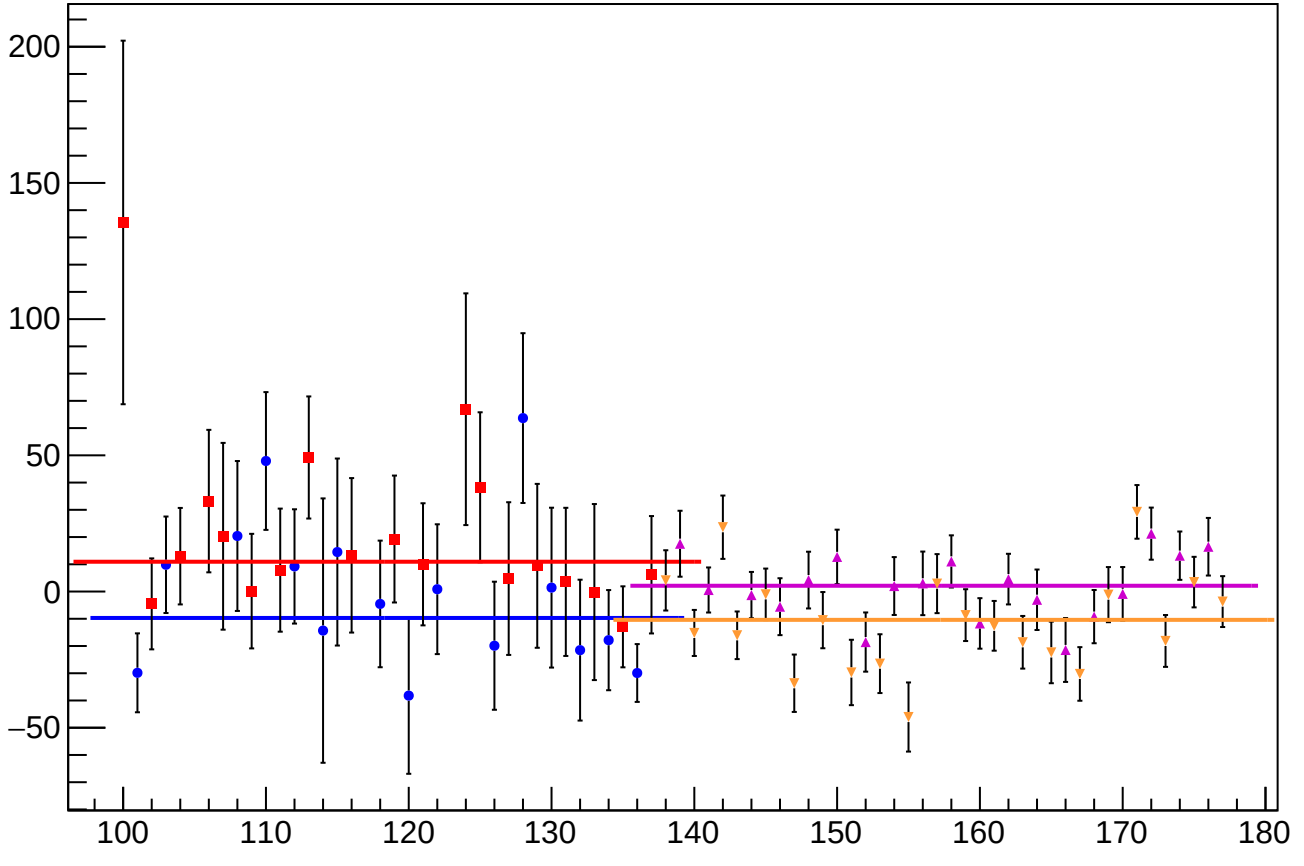
Right: 17.768+/-0.003 χ^2/NDF: 68768.1/33

In: 17.124+/-0.003 χ^2/NDF:149513.8/34

Out: 17.210+/-0.003 χ^2/NDF:138102.2/37

All: 17.167+/-0.002 χ^2/NDF: 288195.2/72

diff_bpm_4aX_4acX_avg_mean vs Slug, Sign Corrected



Right In: -9.702+/-5.231 χ^2/NDF: 22.0/15

Left Out: -10.399+/-2.190 χ^2/NDF:57.5/20

Right Out: 10.938+/-5.436 χ^2/NDF: 14.1/18

Left In: 2.120+/-2.287 χ^2/NDF:23.4/18

Left: -4.412+/-1.582 χ^2/NDF: 96.6/39

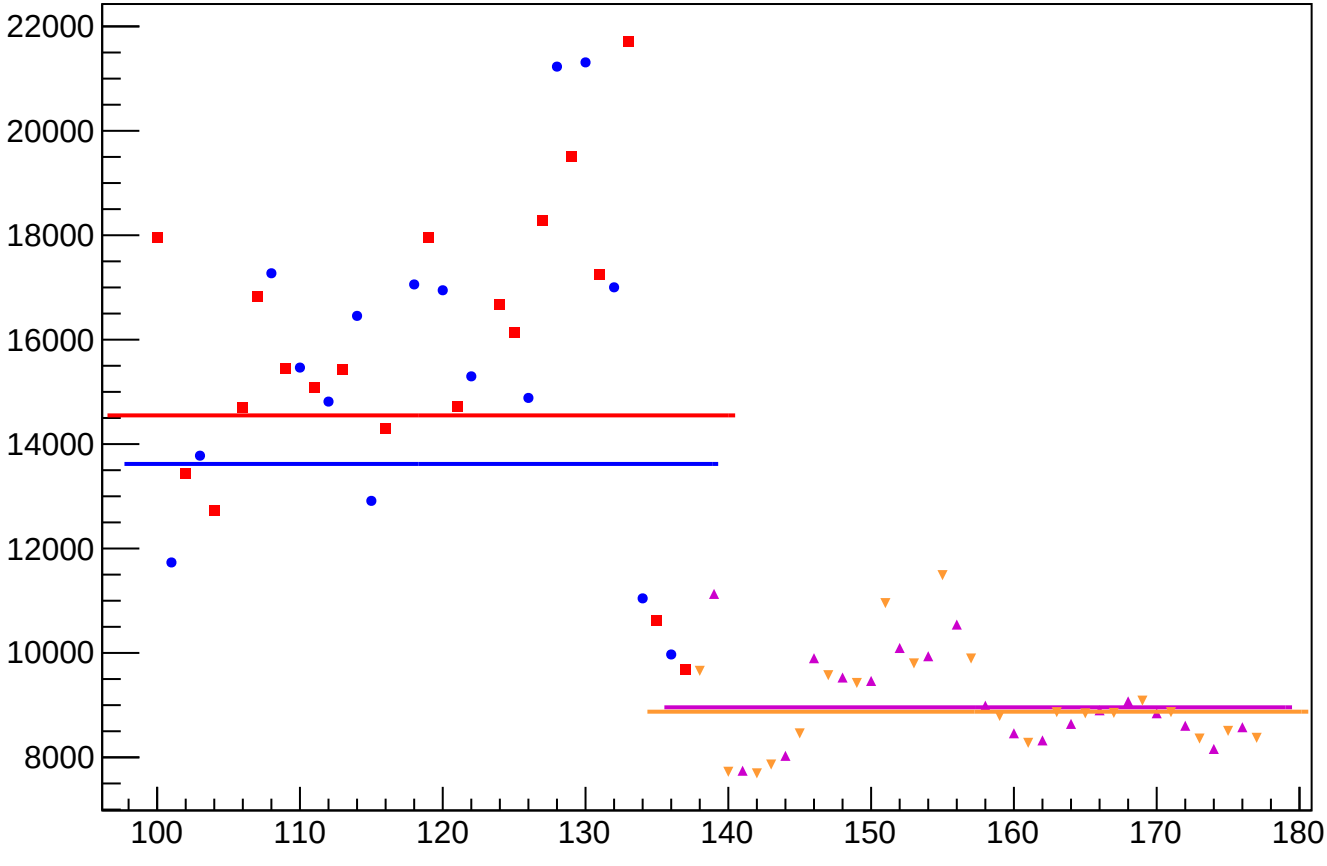
Right: 0.222+/-3.769 χ^2/NDF: 43.6/34

In: 0.223+/-2.095 χ^2/NDF:49.7/34

Out: -7.421+/-2.031 χ^2/NDF:84.9/39

All: -3.718+/-1.458 χ^2/NDF: 141.4/74

diff_bpm_4aX_4acX_avg_rms vs Slug, Sign Corrected



Right In: 13619.845+/-3.699 χ^2/NDF: 746985.9/15

Left Out: 8874.730+/-1.548 χ^2/NDF:314496.3/20

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

Left In: 8958.244+/-1.617 χ^2/NDF:273252.6/18

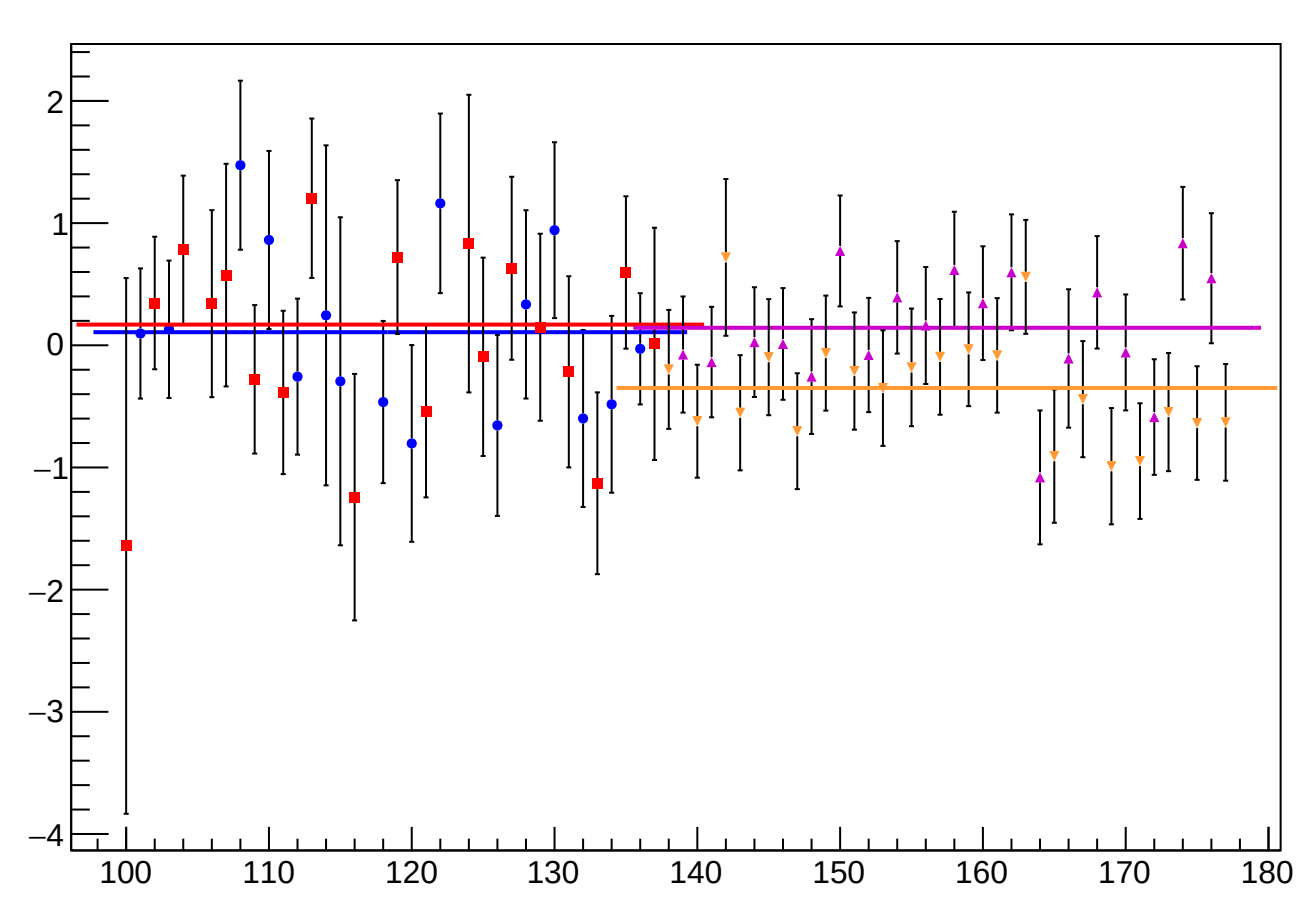
Left: 8914.671+/-1.118 χ^2/NDF: 589140.4/39

Right: 14066.907+/-2.665 χ^2/NDF: 1333265.9/34

In: 9706.163+/-1.482 χ^2/NDF:2353500.2/34

Out: 9666.843+/-1.436 χ^2/NDF:2745696.8/39

All: 9685.889+/-1.031 χ^2/NDF: 5099560.1/74



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.349+/-0.105 χ^2/NDF:15.1/20

Right Out: 0.169+/-0.169 χ^2/NDF: 14.1/18

Left In: 0.143+/-0.109 χ^2/NDF:17.0/18

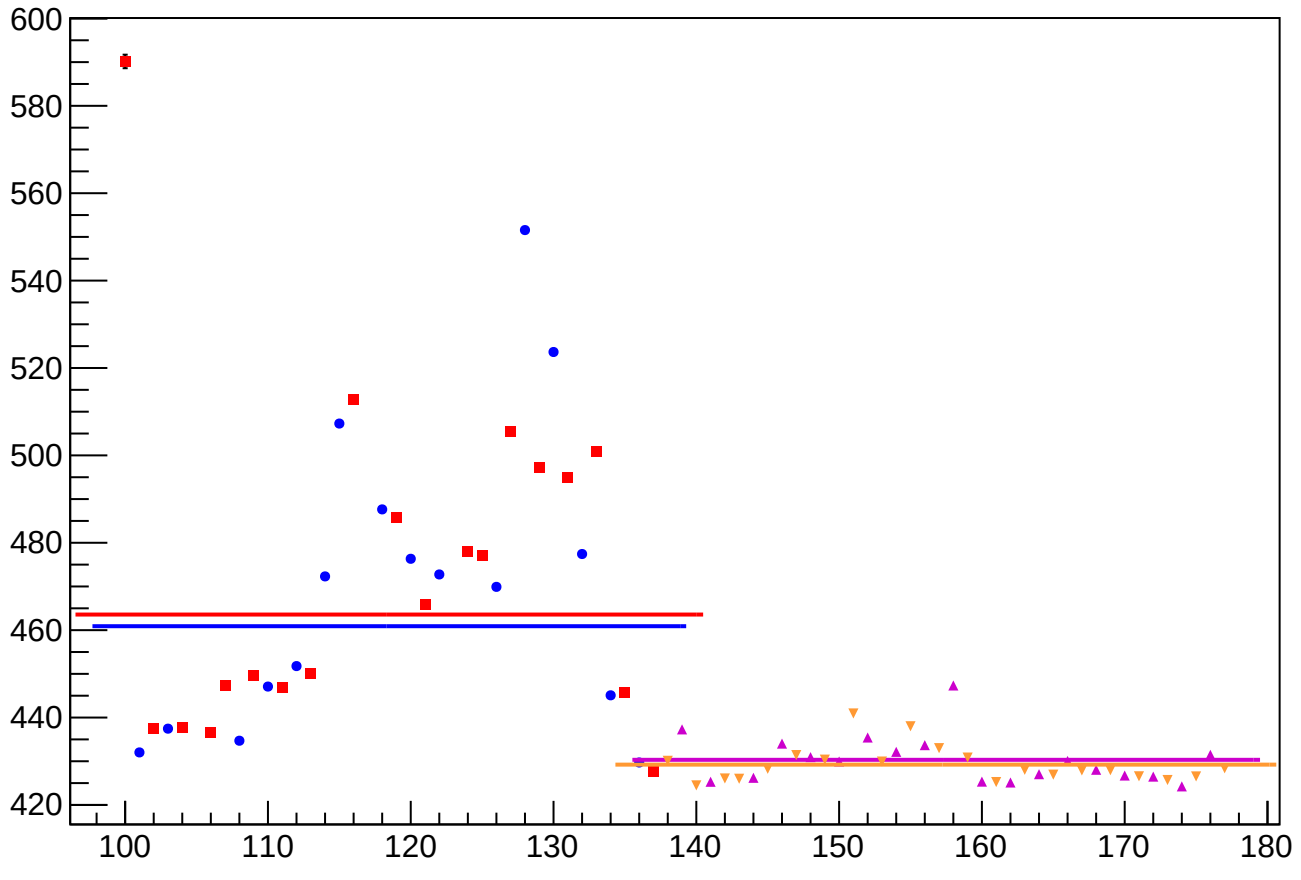
Left: -0.112+/-0.076 χ^2/NDF: 42.6/39

Right: 0.139+/-0.121 χ^2/NDF: 27.8/34

In: 0.133+/-0.092 χ^2/NDF:30.7/34

Out: -0.205+/-0.089 χ^2/NDF:36.0/39

All: -0.041+/-0.064 χ^2/NDF: 73.6/74



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 429.227+/-0.074 χ^2/NDF:2902.0/20

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

Left In: 430.328+/-0.077 χ^2/NDF:5095.8/18

Left: 429.756+/-0.054 χ^2/NDF: 8103.4/39

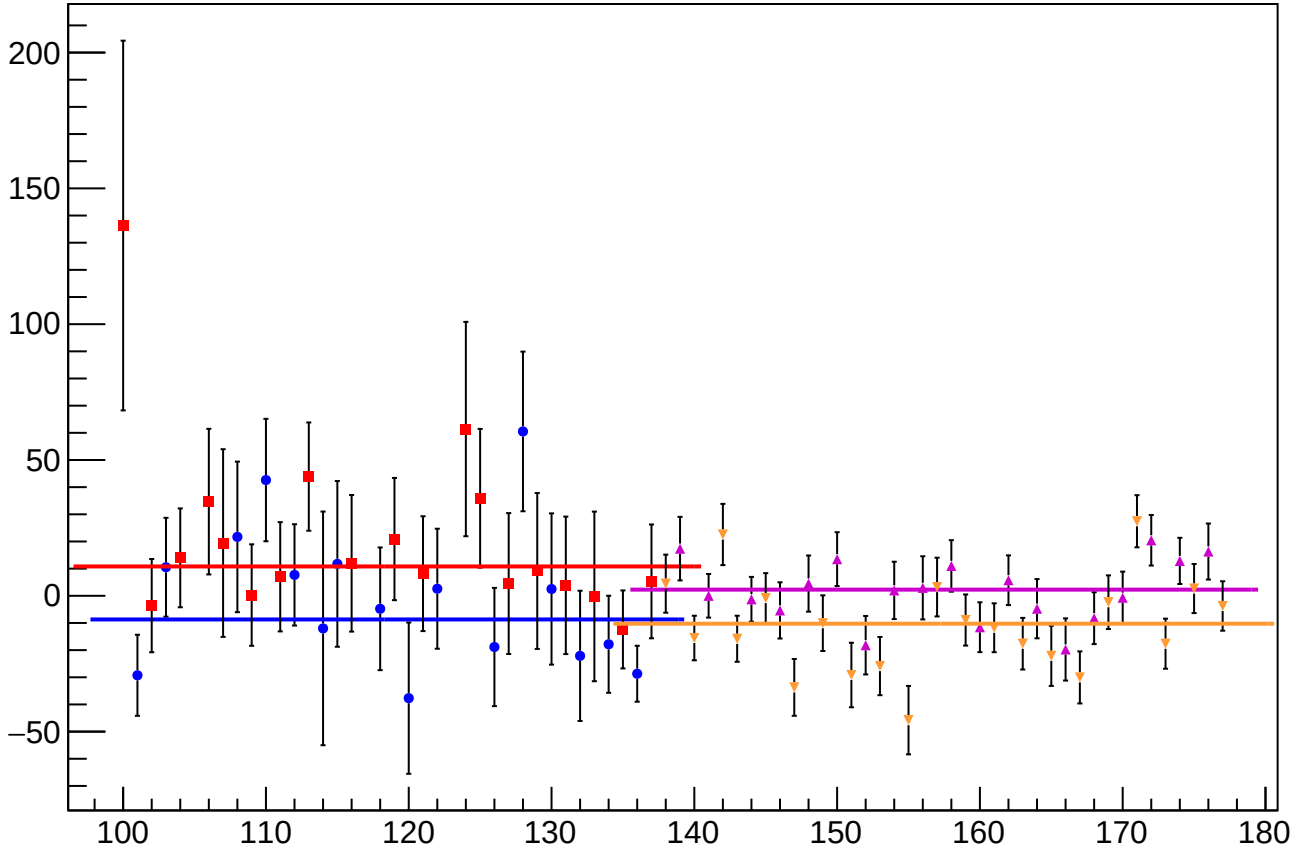
Right: 462.257+/-0.085 χ^2/NDF: 127350.1/34

In: 439.131+/-0.065 χ^2/NDF:125195.3/34

Out: 438.769+/-0.063 χ^2/NDF:114426.9/39

All: 438.944+/-0.045 χ^2/NDF: 239638.0/74

diff_bpm_4aX_4eX_avg_mean vs Slug, Sign Corrected



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -10.273+/-2.144 χ^2/NDF:56.8/20

Right Out: 10.807+/-5.192 χ^2/NDF: 13.9/18

Left In: 2.271+/-2.241 χ^2/NDF:23.3/18

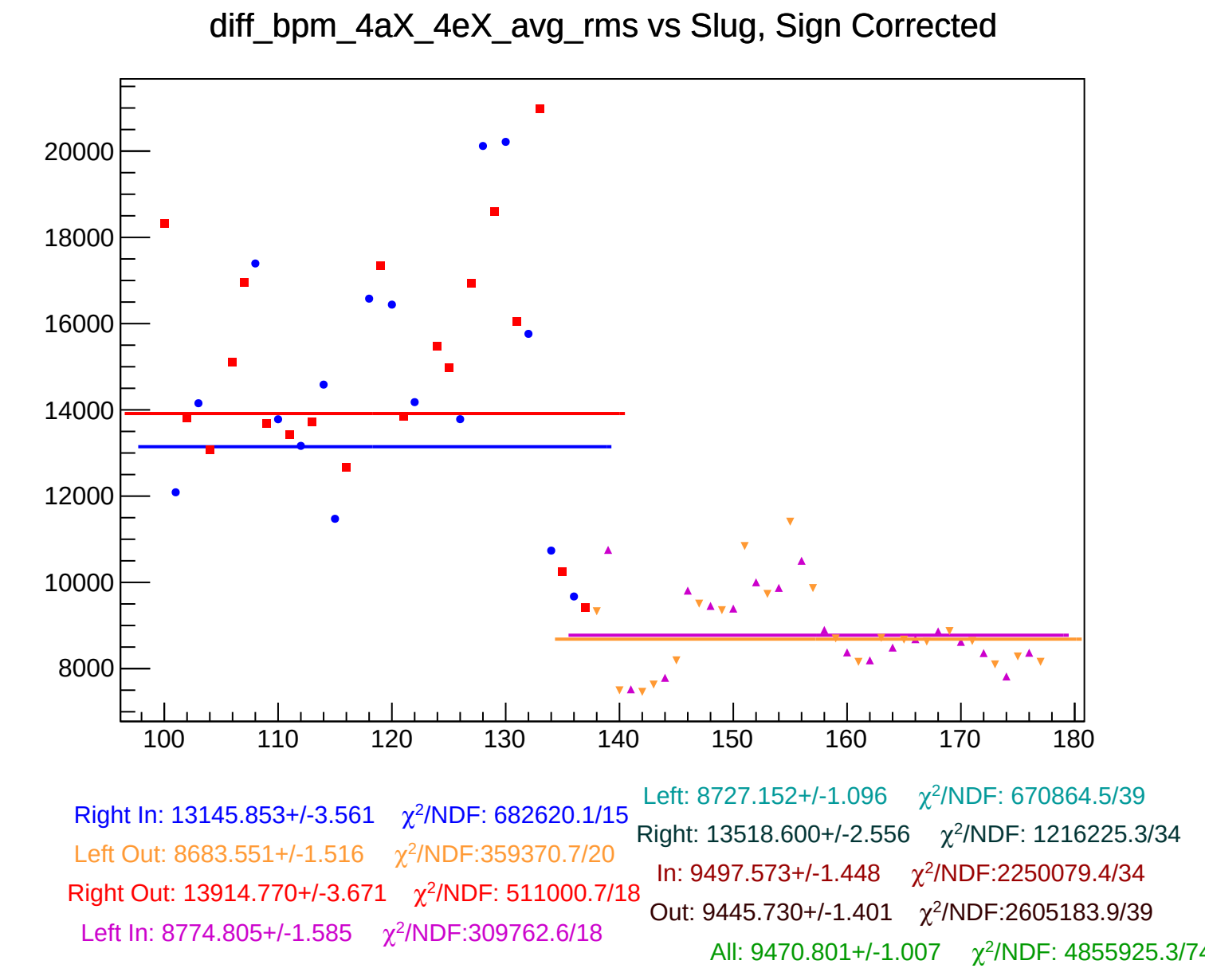
Left: -4.279+/-1.549 χ^2/NDF: 96.5/39

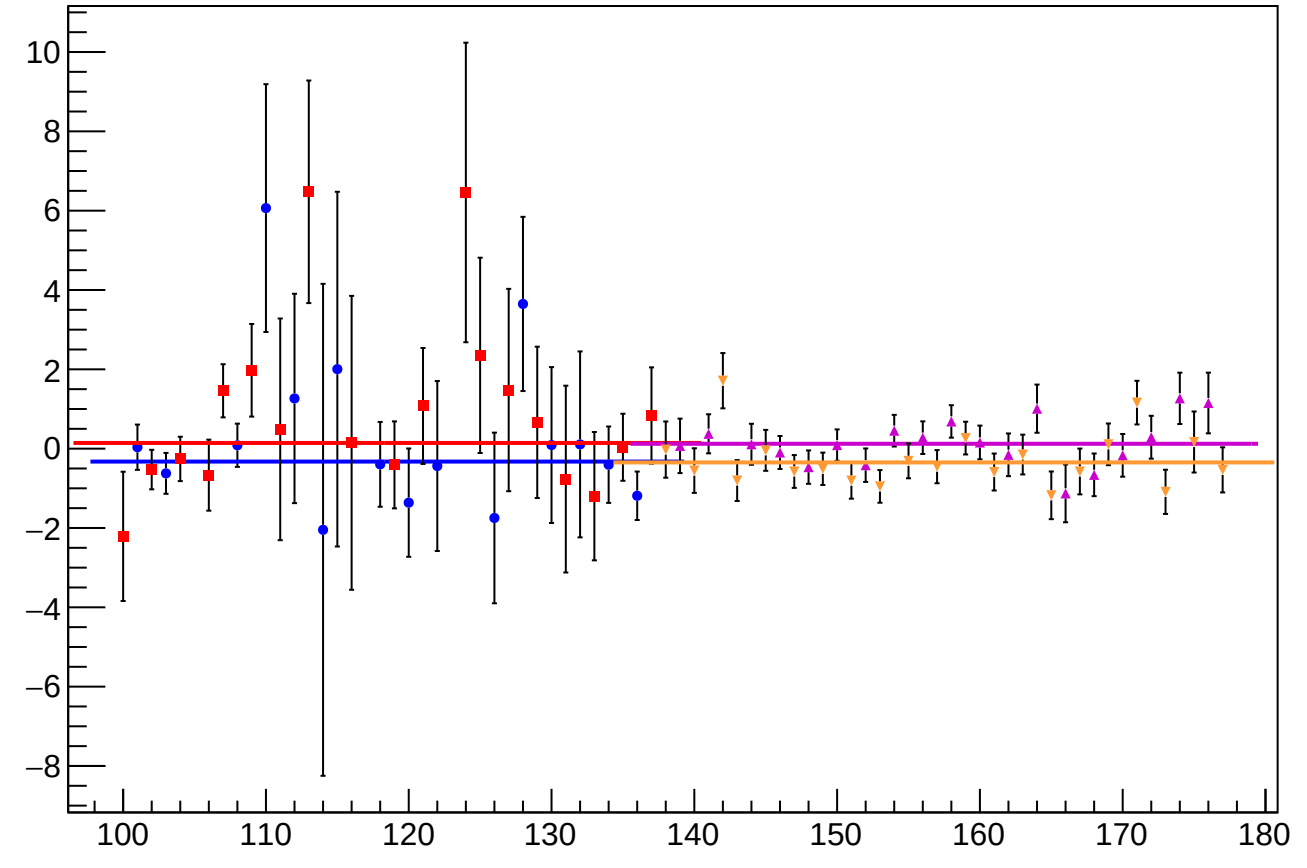
Right: 0.753+/-3.615 χ^2/NDF: 43.4/34

In: 0.456+/-2.048 χ^2/NDF:49.6/34

Out: -7.202+/-1.982 χ^2/NDF:84.8/39

All: -3.498+/-1.424 χ^2/NDF: 141.5/74


diff_bpm_4aX_4eX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
180
Right In: 13145.853+/-3.561 χ²/NDF: 682620.1/15
Left Out: 8683.551+/-1.516 χ²/NDF:359370.7/20
Right Out: 13914.770+/-3.671 χ²/NDF: 511000.7/18
Left In: 8774.805+/-1.585 χ²/NDF:309762.6/18
Left: 8727.152+/-1.096 χ²/NDF: 670864.5/39
Right: 13518.600+/-2.556 χ²/NDF: 1216225.3/34
In: 9497.573+/-1.448 χ²/NDF:2250079.4/34
Out: 9445.730+/-1.401 χ²/NDF:2605183.9/39
All: 9470.801+/-1.007 χ²/NDF: 4855925.3/74



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.347+/-0.110 χ^2/NDF:29.2/20

Right Out: 0.144+/-0.244 χ^2/NDF: 22.5/18

Left In: 0.123+/-0.112 χ^2/NDF:19.7/18

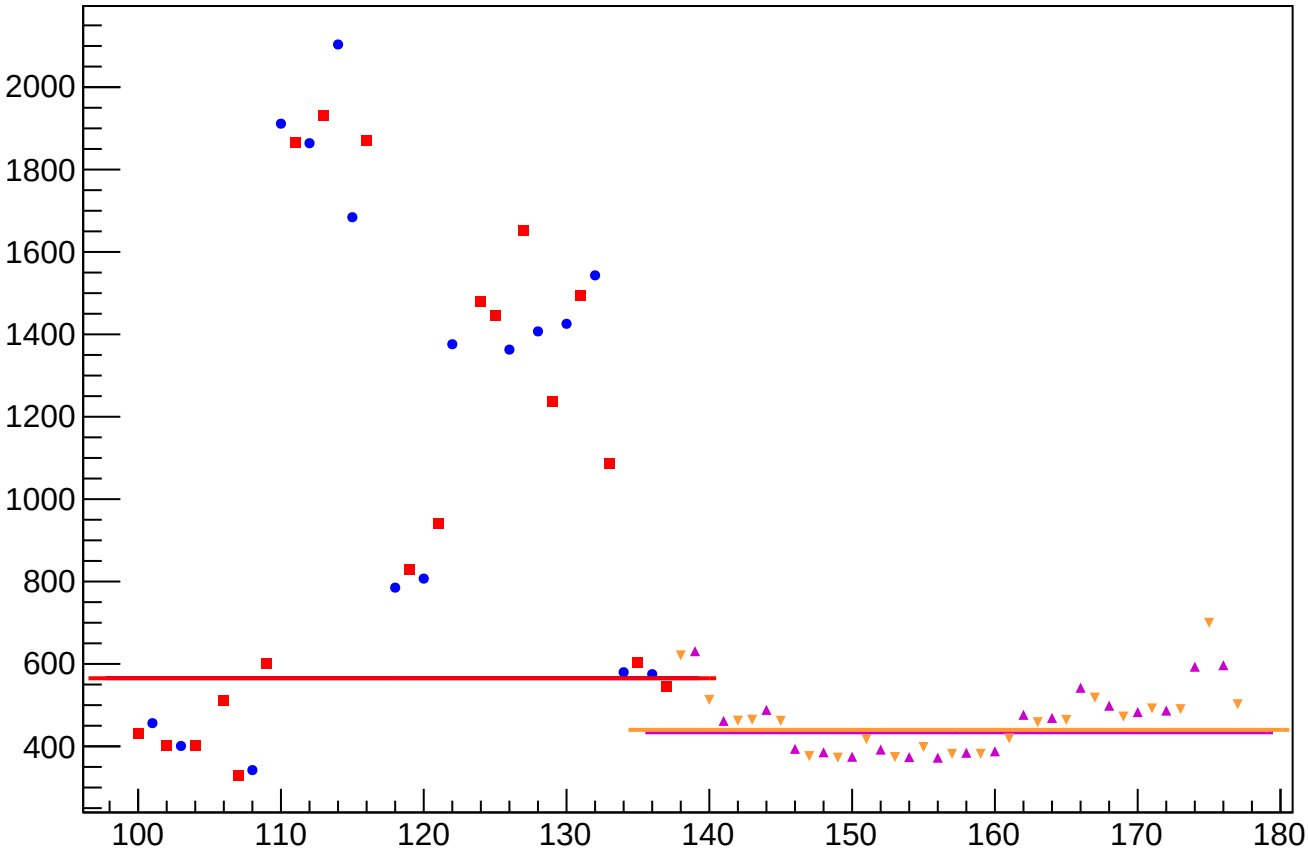
Left: -0.117+/-0.078 χ^2/NDF: 57.9/39

Right: -0.091+/-0.173 χ^2/NDF: 36.9/34

In: 0.045+/-0.102 χ^2/NDF:35.0/34

Out: -0.265+/-0.100 χ^2/NDF:55.0/39

All: -0.113+/-0.071 χ^2/NDF: 94.8/74



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 439.978+/-0.077 χ^2/NDF:769142.0/20

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

Left In: 434.061+/-0.079 χ^2/NDF:785367.7/18

Left: 437.088+/-0.055 χ^2/NDF: 1557361.9/39

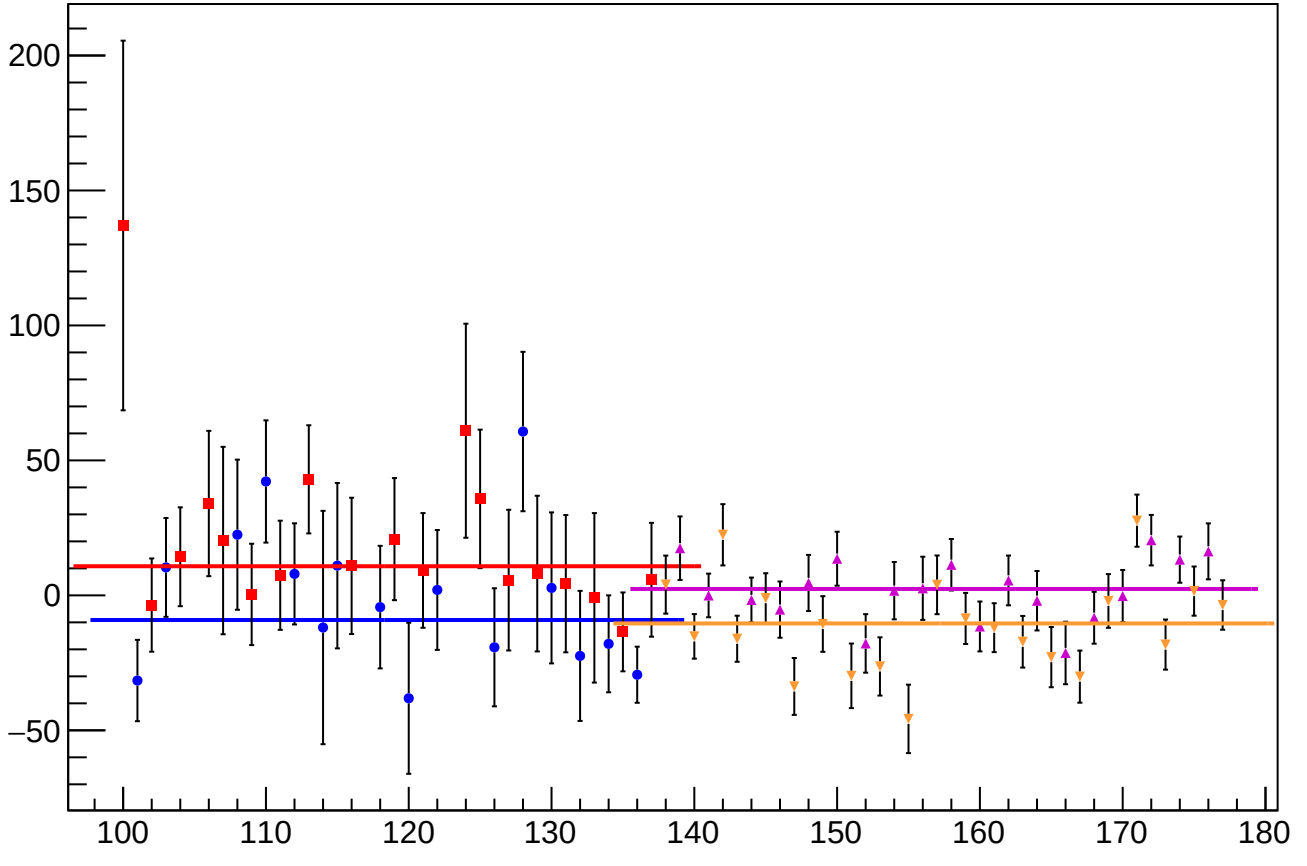
Right: 565.377+/-0.122 χ^2/NDF: 7022156.1/34

In: 456.945+/-0.072 χ^2/NDF:4714976.7/34

Out: 460.926+/-0.071 χ^2/NDF:4778260.2/39

All: 458.973+/-0.050 χ^2/NDF: 9494793.2/74

diff_bpm_4aX_4ecX_avg_mean vs Slug, Sign Corrected



Right In: -9.130+/-5.069 χ^2/NDF: 22.7/15

Left Out: -10.398+/-2.158 χ^2/NDF:56.5/20

Right Out: 10.788+/-5.227 χ^2/NDF: 13.7/18

Left In: 2.376+/-2.257 χ^2/NDF:23.4/18

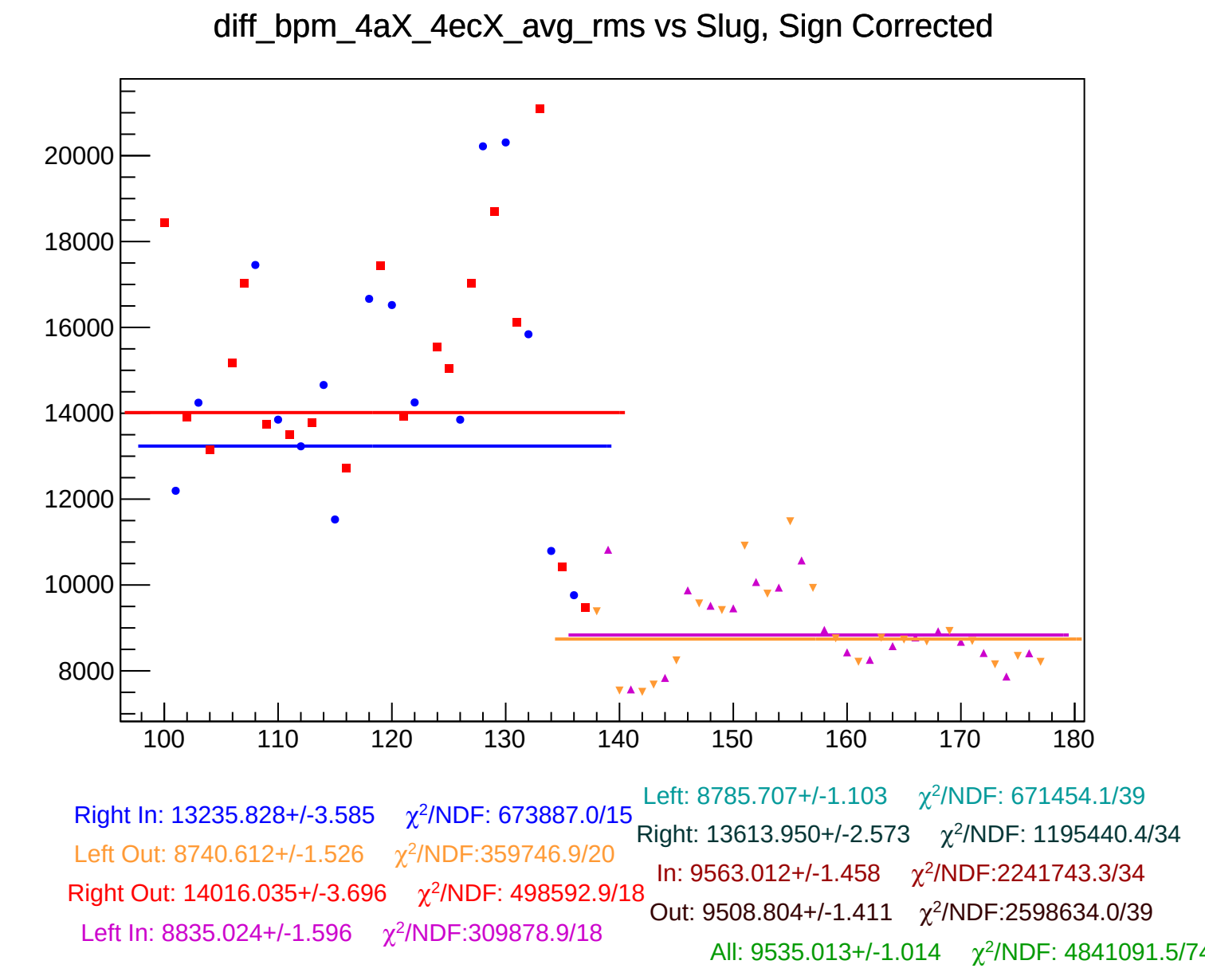
Left: -4.297+/-1.560 χ^2/NDF: 96.5/39

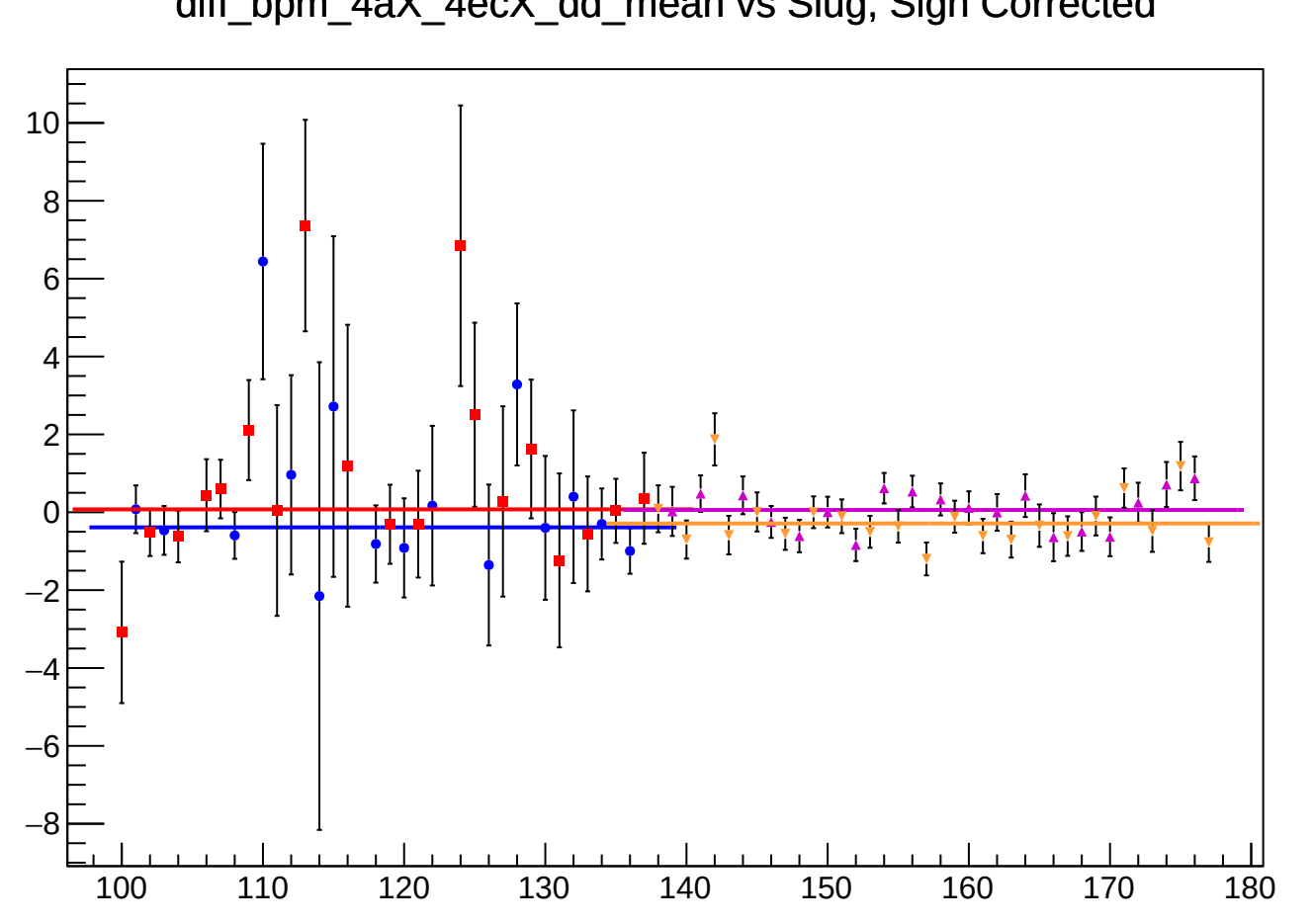
Right: 0.523+/-3.639 χ^2/NDF: 43.9/34

In: 0.473+/-2.062 χ^2/NDF:50.4/34

Out: -7.313+/-1.995 χ^2/NDF:84.2/39

All: -3.549+/-1.434 χ^2/NDF: 142.0/74


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: 8740.612+/-1.526 χ²/NDF:359746.9/20
Right Out: 14016.035+/-3.696 χ²/NDF: 498592.9/18
Left In: 8835.024+/-1.596 χ²/NDF:309878.9/18
Left: 8785.707+/-1.103 χ²/NDF: 671454.1/39
Right: 13613.950+/-2.573 χ²/NDF: 1195440.4/34
In: 9563.012+/-1.458 χ²/NDF:2241743.3/34
Out: 9508.804+/-1.411 χ²/NDF:2598634.0/39
All: 9535.013+/-1.014 χ²/NDF: 4841091.5/74



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.288+/-0.104 χ^2/NDF:30.3/20

Right Out: 0.075+/-0.265 χ^2/NDF: 21.7/18

Left In: 0.058+/-0.107 χ^2/NDF:21.5/18

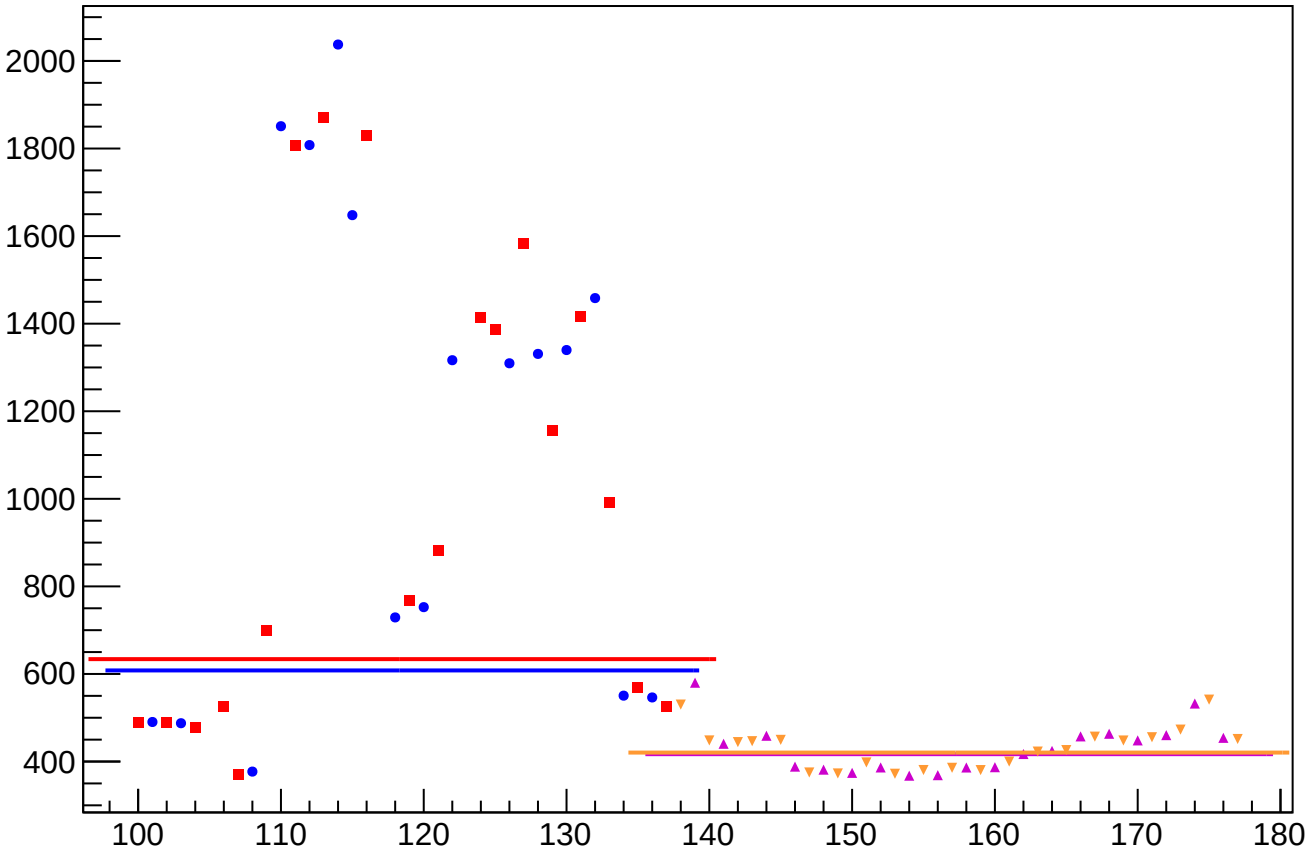
Left: -0.120+/-0.074 χ^2/NDF: 57.2/39

Right: -0.164+/-0.184 χ^2/NDF: 34.9/34

In: -0.008+/-0.098 χ^2/NDF:35.8/34

Out: -0.240+/-0.097 χ^2/NDF:53.6/39

All: -0.126+/-0.069 χ^2/NDF: 92.2/74



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 420.468+/-0.073 χ^2/NDF:355607.0/20

Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 416.824+/-0.075 χ^2/NDF:430025.2/18

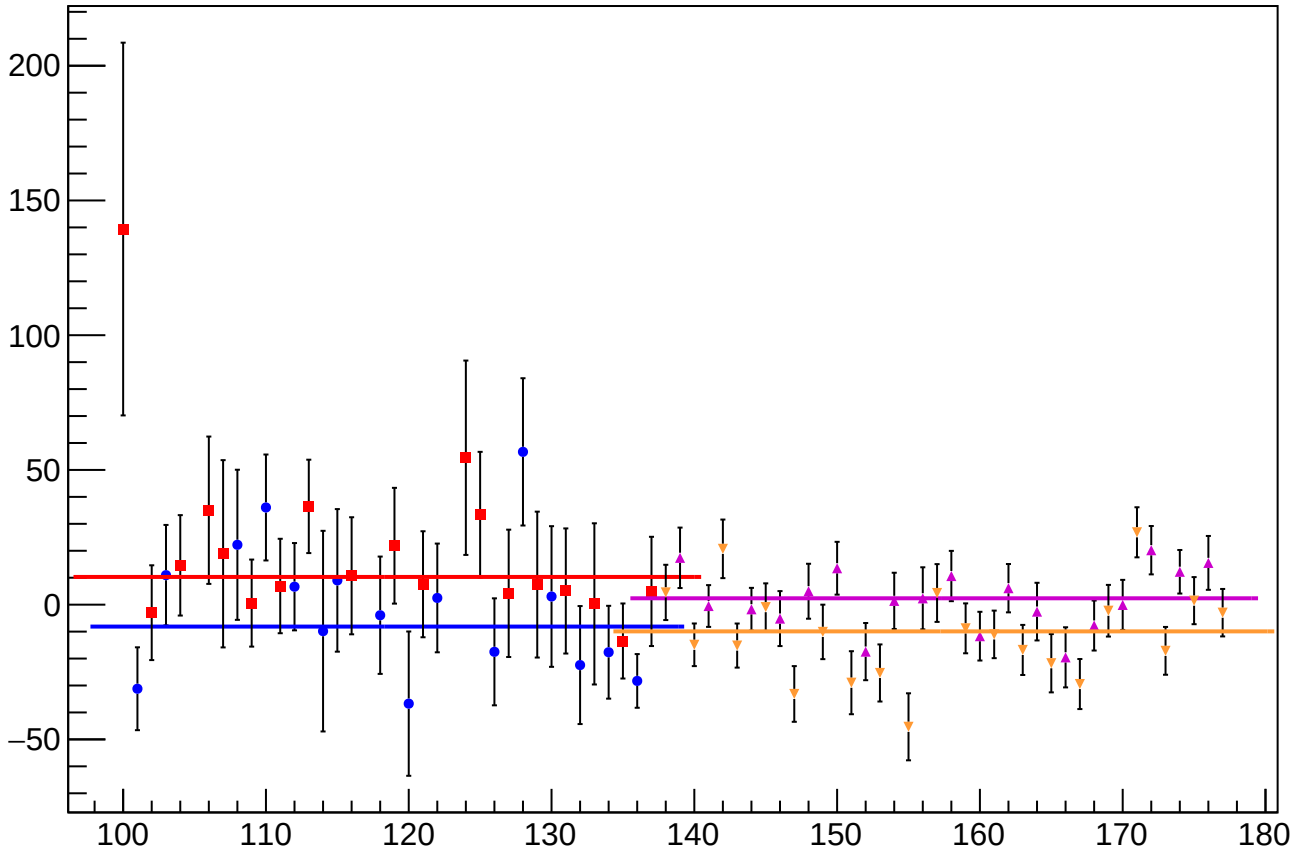
Left: 418.695+/-0.053 χ^2/NDF: 786829.6/39

Right: 620.535+/-0.130 χ^2/NDF: 5651022.3/34

In: 445.191+/-0.070 χ^2/NDF:4235508.7/34

Out: 448.986+/-0.068 χ^2/NDF:4271944.8/39

All: 447.123+/-0.049 χ^2/NDF: 8508965.3/74



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -9.913+/-2.087 χ^2/NDF:57.0/20

Right Out: 10.288+/-4.873 χ^2/NDF: 13.7/18

Left In: 2.363+/-2.185 χ^2/NDF:23.5/18

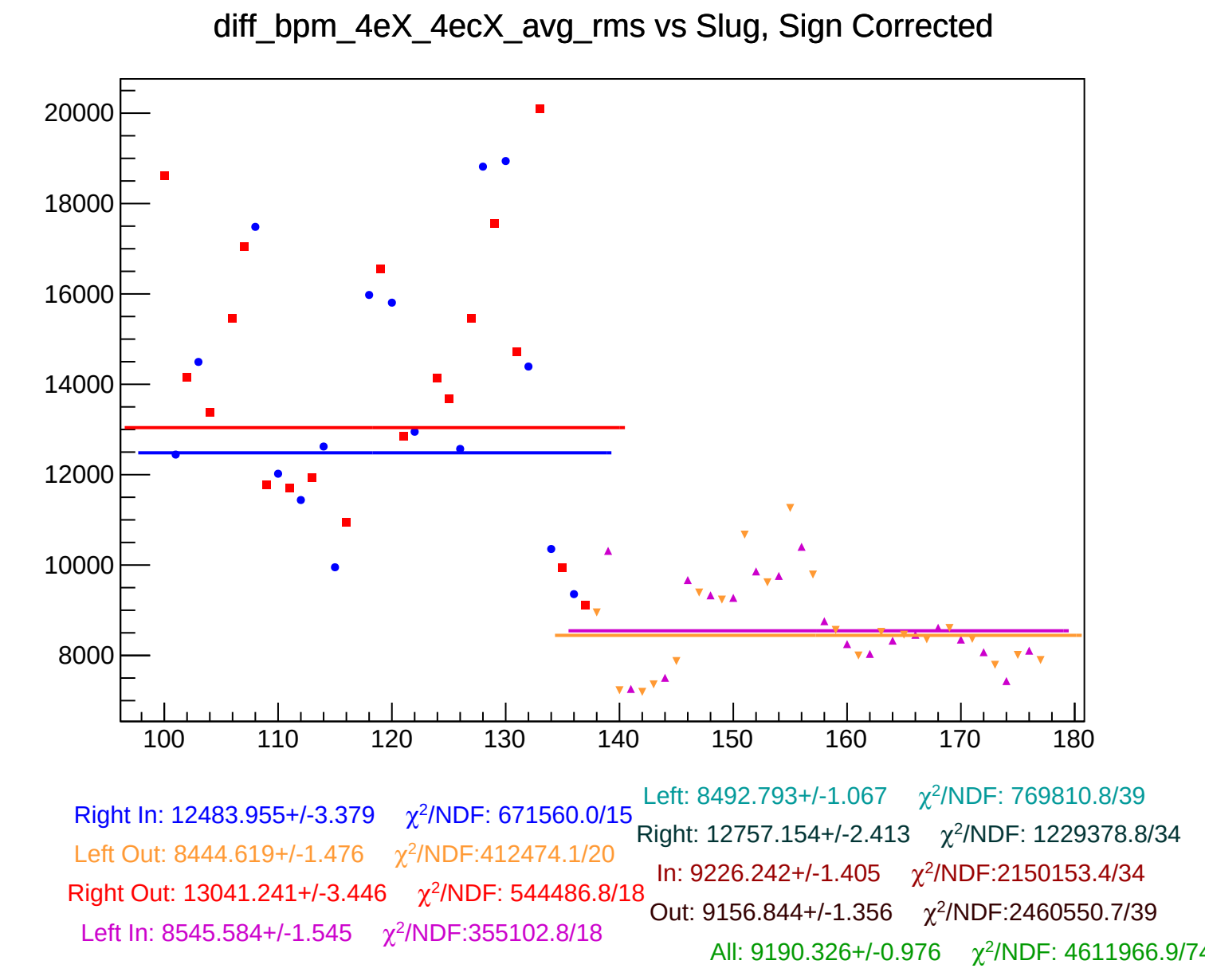
Left: -4.055+/-1.509 χ^2/NDF: 96.9/39

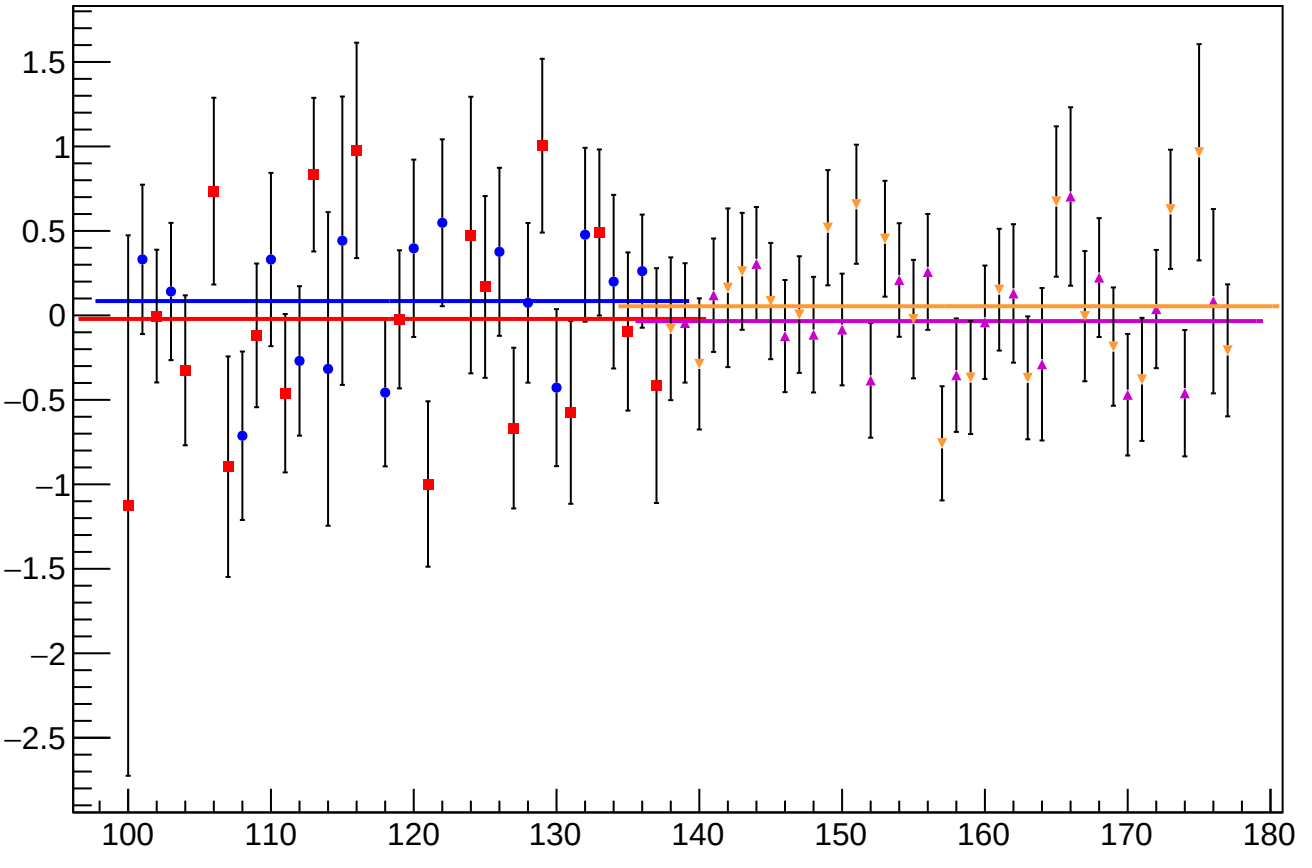
Right: 0.898+/-3.412 χ^2/NDF: 44.1/34

In: 0.549+/-1.987 χ^2/NDF:50.6/34

Out: -6.783+/-1.918 χ^2/NDF:85.2/39

All: -3.245+/-1.380 χ^2/NDF: 142.8/74


diff_bpm_4eX_4ecX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
180
Right In: 12483.955+/-3.379 χ²/NDF: 671560.0/15
Left Out: 8444.619+/-1.476 χ²/NDF:412474.1/20
Right Out: 13041.241+/-3.446 χ²/NDF: 544486.8/18
Left In: 8545.584+/-1.545 χ²/NDF:355102.8/18
Left: 8492.793+/-1.067 χ²/NDF: 769810.8/39
Right: 12757.154+/-2.413 χ²/NDF: 1229378.8/34
In: 9226.242+/-1.405 χ²/NDF:2150153.4/34
Out: 9156.844+/-1.356 χ²/NDF:2460550.7/39
All: 9190.326+/-0.976 χ²/NDF: 4611966.9/74



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.054+/-0.081 χ^2/NDF:25.3/20

Right Out: -0.021+/-0.117 χ^2/NDF: 24.3/18

Left In: -0.034+/-0.083 χ^2/NDF:10.4/18

Left: 0.011+/-0.058 χ^2/NDF: 36.3/39

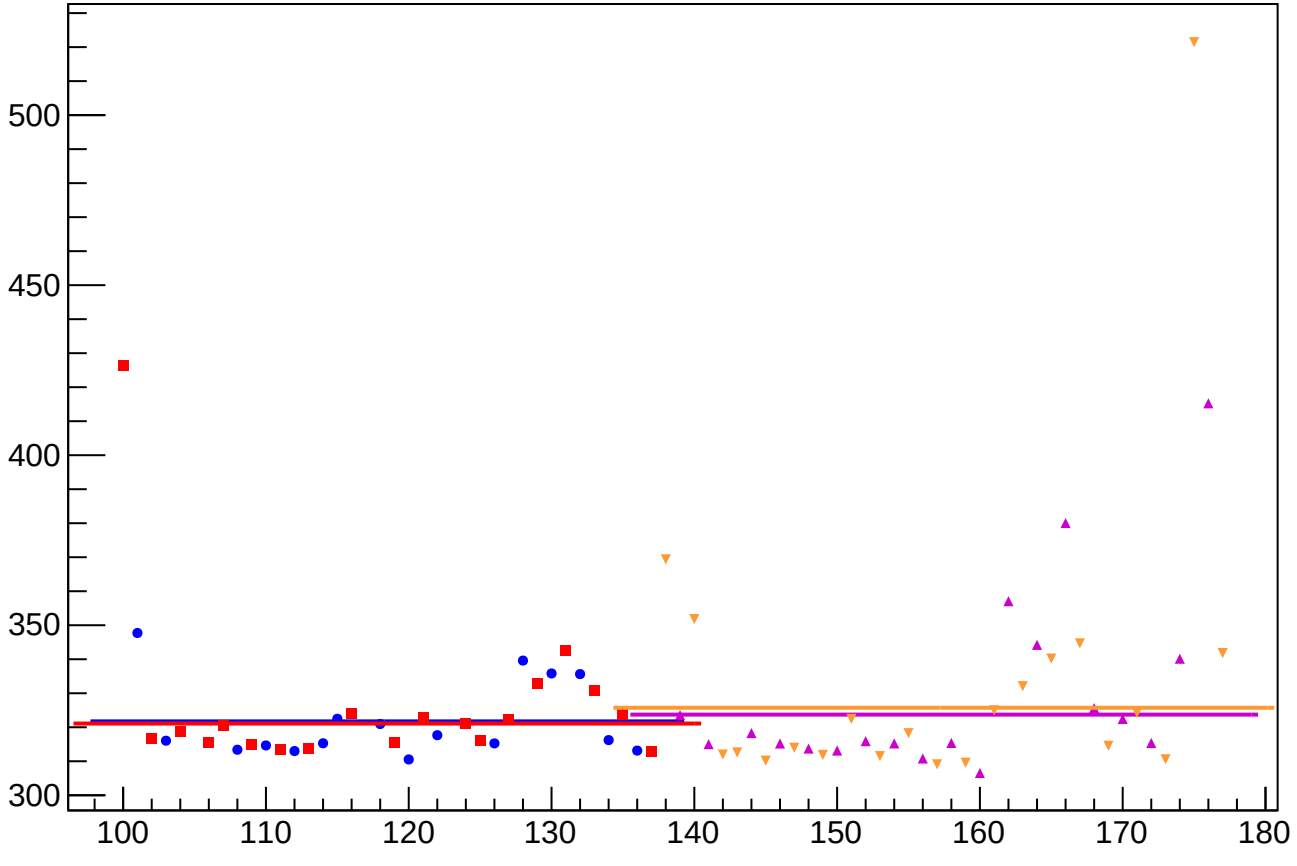
Right: 0.031+/-0.084 χ^2/NDF: 34.1/34

In: 0.005+/-0.068 χ^2/NDF:20.4/34

Out: 0.030+/-0.067 χ^2/NDF:49.8/39

All: 0.018+/-0.048 χ^2/NDF: 70.4/74

diff_bpm_4eX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 325.734+/-0.057 χ^2/NDF:262465.1/20

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

Left In: 323.720+/-0.059 χ^2/NDF:120086.5/18

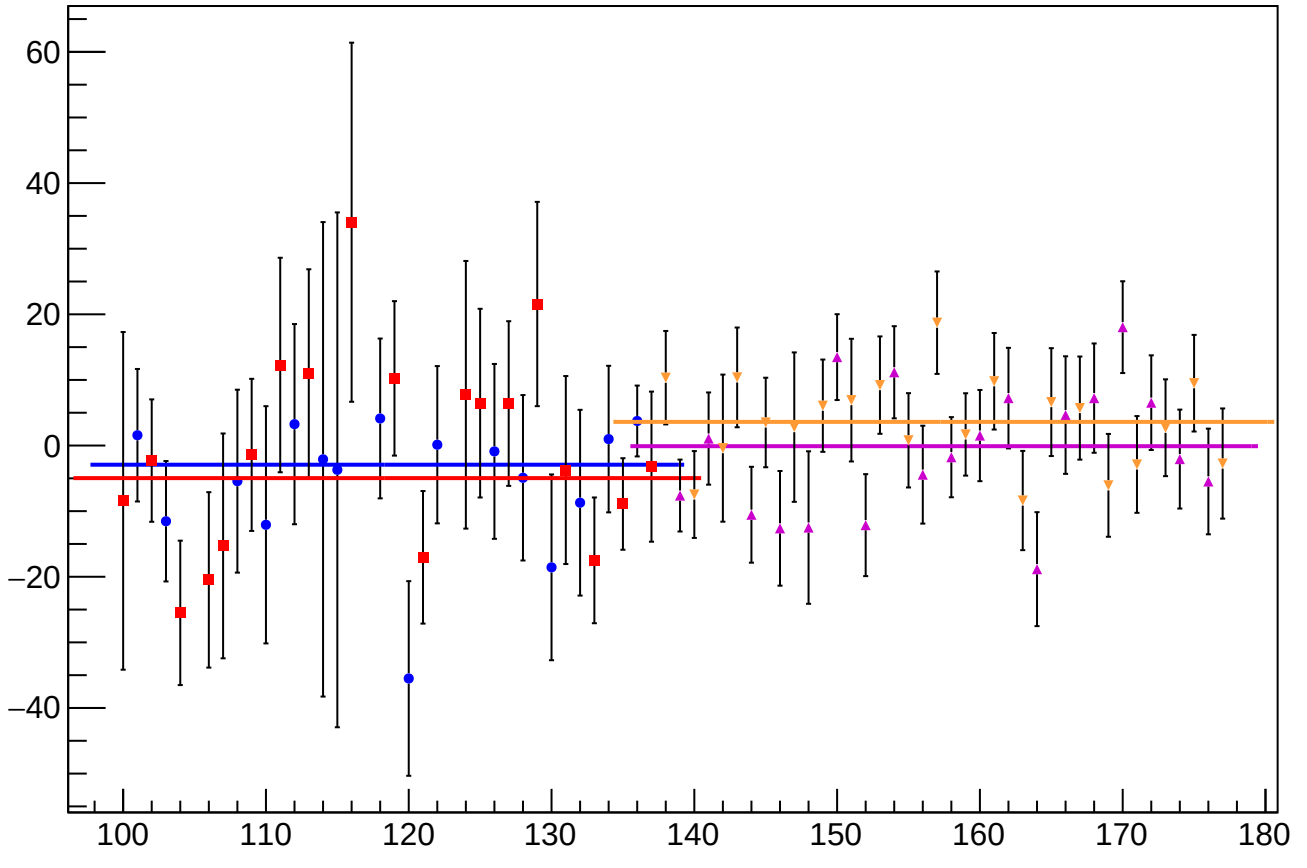
Left: 324.752+/-0.041 χ^2/NDF: 383156.0/39

Right: 321.403+/-0.059 χ^2/NDF: 34822.5/34

In: 323.076+/-0.048 χ^2/NDF:138673.5/34

Out: 324.241+/-0.047 χ^2/NDF:281161.6/39

All: 323.673+/-0.034 χ^2/NDF: 420133.1/74



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 3.608+/-1.665 χ^2/NDF:16.4/20

Right Out: -4.965+/-2.824 χ^2/NDF: 19.4/18

Left In: -0.099+/-1.695 χ^2/NDF:31.6/18

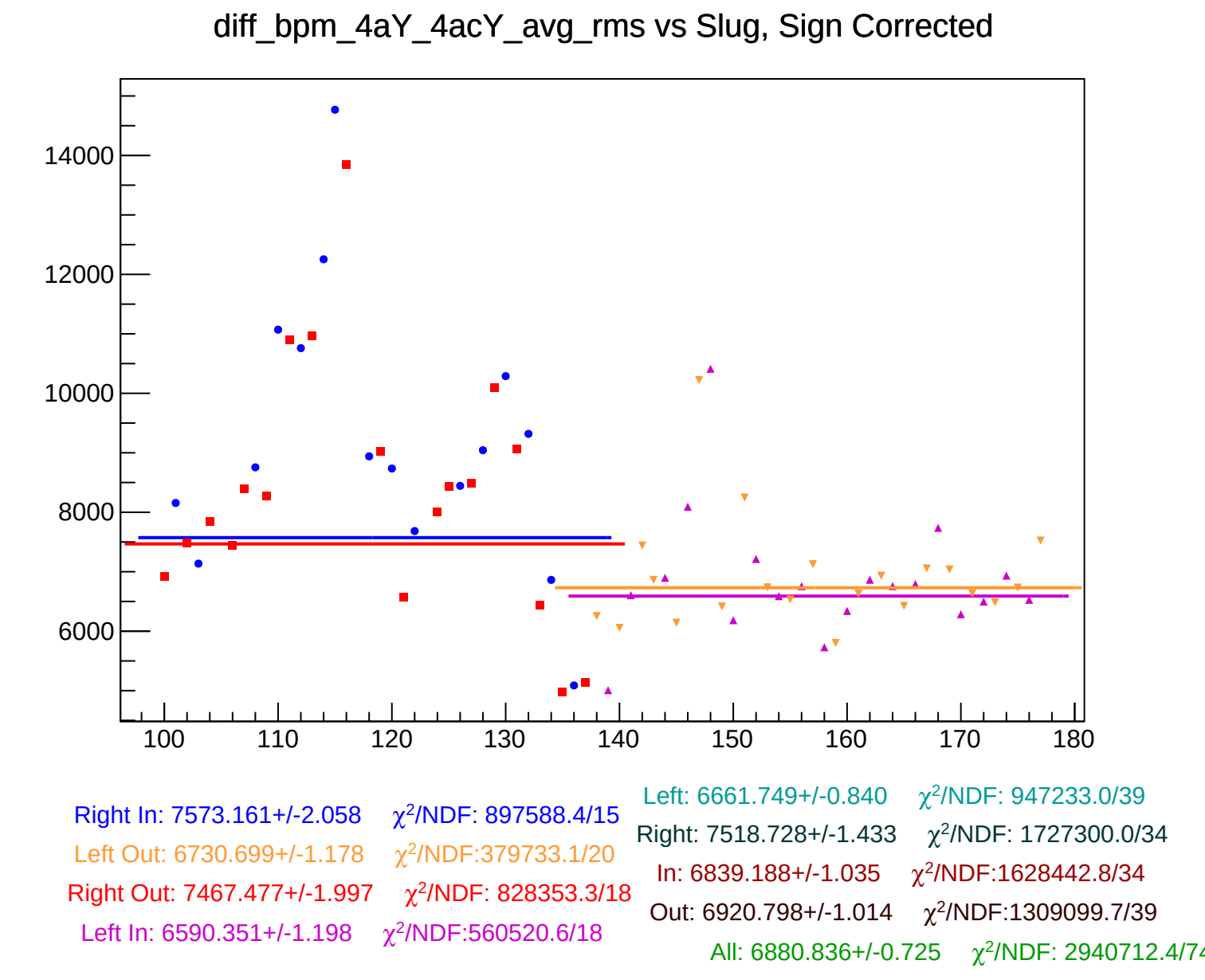
Left: 1.787+/-1.188 χ^2/NDF: 50.4/39

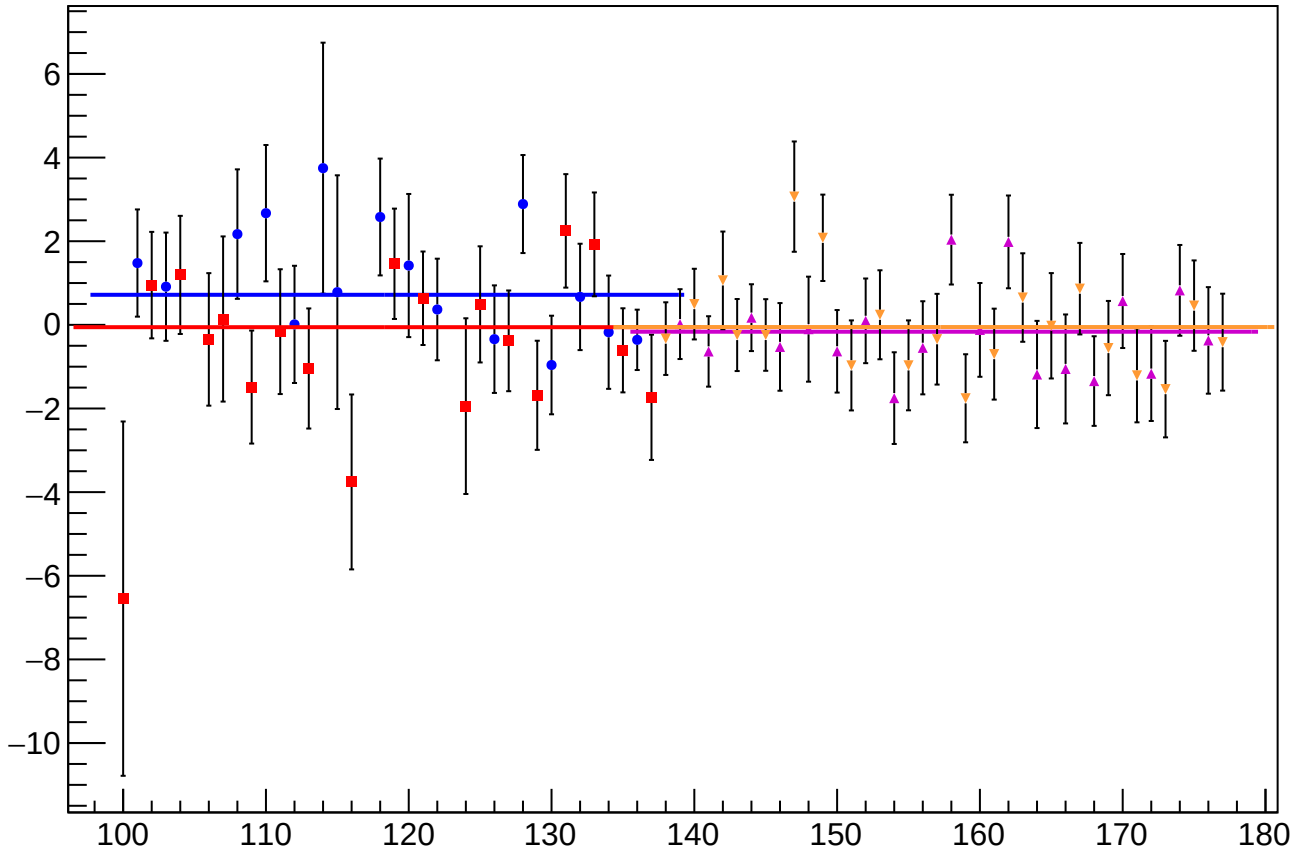
Right: -3.974+/-2.027 χ^2/NDF: 29.5/34

In: -0.814+/-1.464 χ^2/NDF:42.1/34

Out: 1.396+/-1.434 χ^2/NDF:42.6/39

All: 0.314+/-1.025 χ^2/NDF: 86.0/74


diff_bpm_4aY_4acY_avg_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
180
Right In: 7573.161+/-2.058 χ²/NDF: 897588.4/15
Left Out: 6730.699+/-1.178 χ²/NDF:379733.1/20
Right Out: 7467.477+/-1.997 χ²/NDF: 828353.3/18
Left In: 6590.351+/-1.198 χ²/NDF:560520.6/18
Left: 6661.749+/-0.840 χ²/NDF: 947233.0/39
Right: 7518.728+/-1.433 χ²/NDF: 1727300.0/34
In: 6839.188+/-1.035 χ²/NDF:1628442.8/34
Out: 6920.798+/-1.014 χ²/NDF:1309099.7/39
All: 6880.836+/-0.725 χ²/NDF: 2940712.4/74



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: -0.052+/-0.228 χ^2/NDF:20.4/20

Right Out: -0.056+/-0.323 χ^2/NDF: 19.8/18

Left In: -0.164+/-0.241 χ^2/NDF:15.5/18

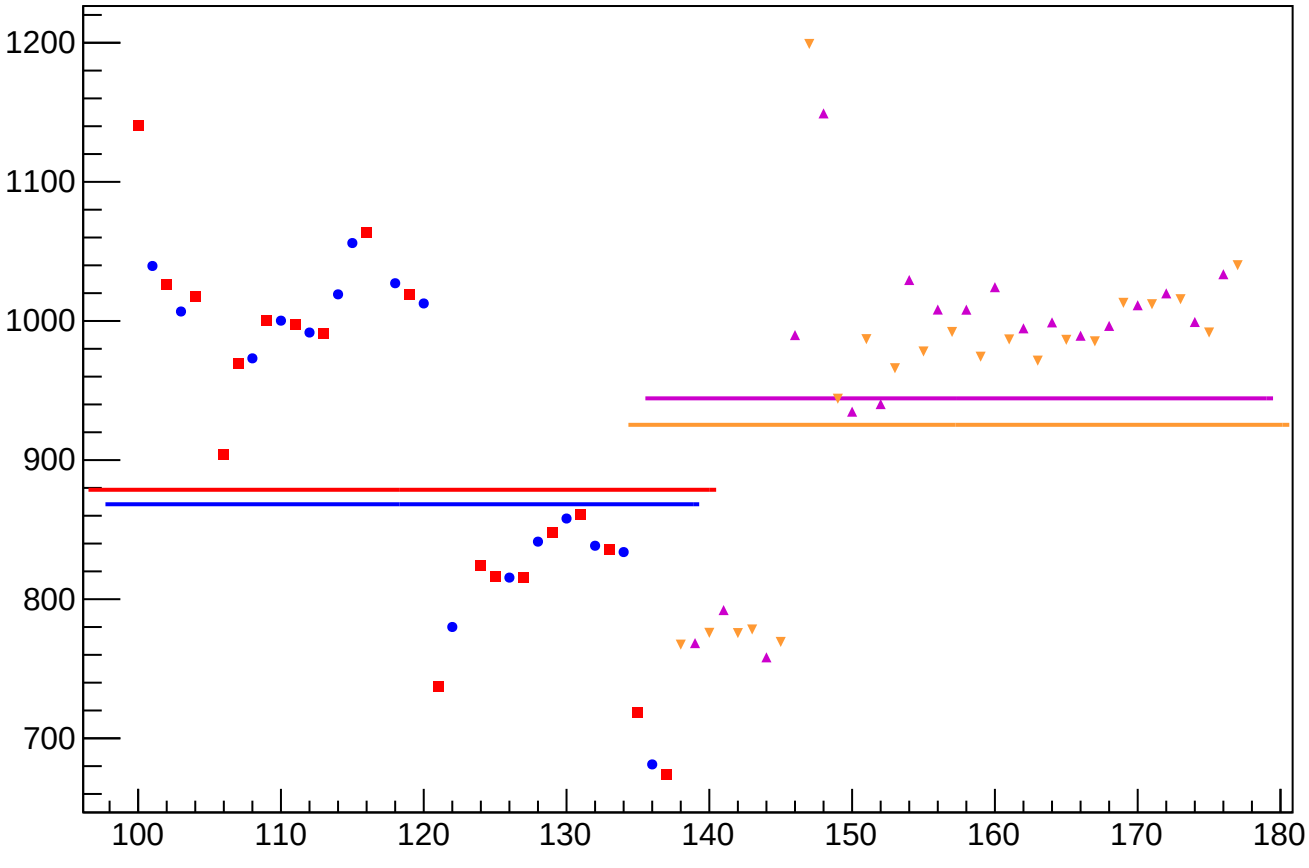
Left: -0.105+/-0.166 χ^2/NDF: 36.0/39

Right: 0.329+/-0.230 χ^2/NDF: 37.4/34

In: 0.148+/-0.194 χ^2/NDF:35.0/34

Out: -0.053+/-0.187 χ^2/NDF:40.2/39

All: 0.043+/-0.134 χ^2/NDF: 75.8/74



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 925.355+/-0.161 χ^2/NDF:483859.1/20

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

Left In: 944.377+/-0.171 χ^2/NDF:401492.0/18

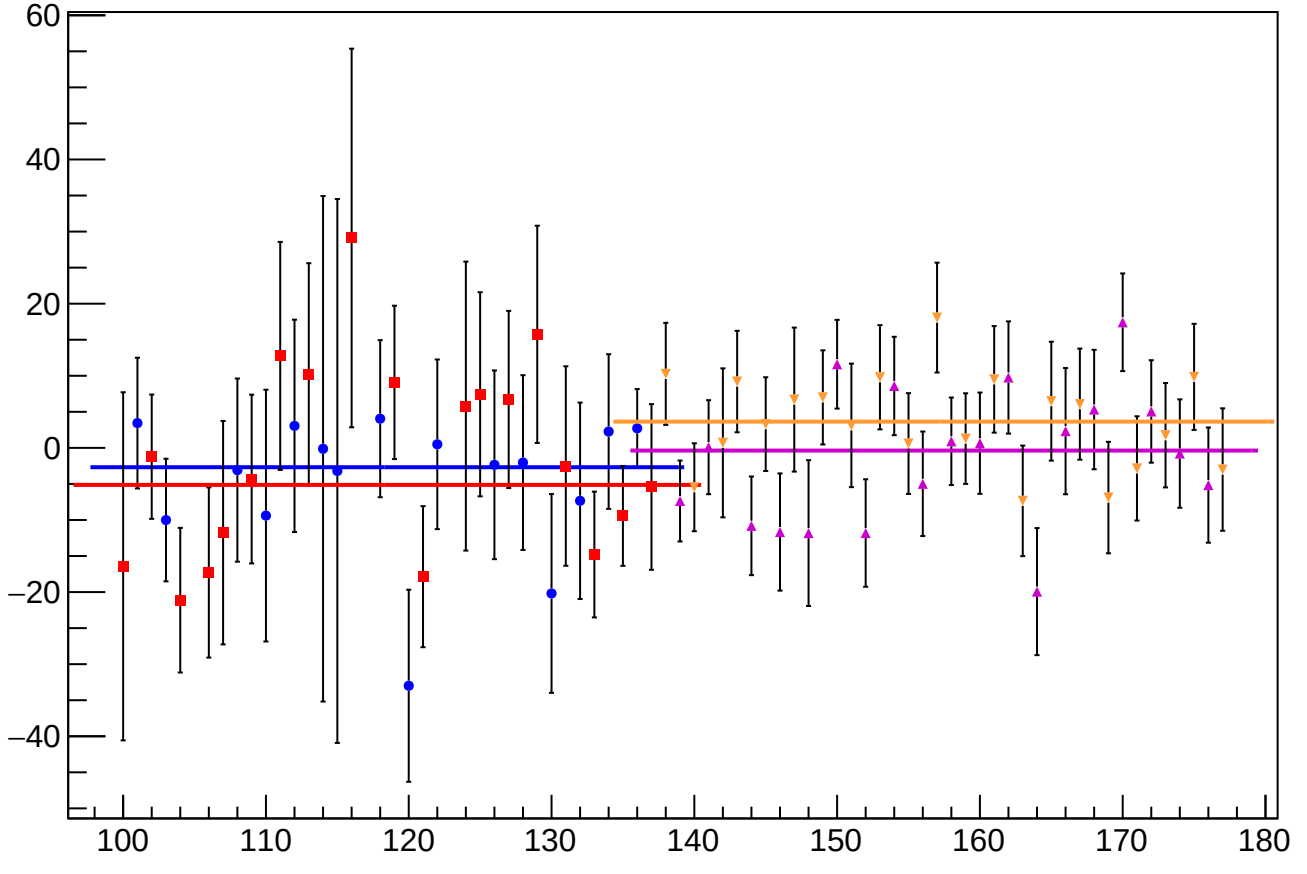
Left: 934.342+/-0.117 χ^2/NDF: 891910.1/39

Right: 873.496+/-0.162 χ^2/NDF: 575967.6/34

In: 917.429+/-0.137 χ^2/NDF:774384.6/34

Out: 909.820+/-0.132 χ^2/NDF:784223.3/39

All: 913.476+/-0.095 χ^2/NDF: 1560207.7/74



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 3.641+/-1.615 χ^2/NDF:15.8/20

Right Out: -5.136+/-2.692 χ^2/NDF: 17.3/18

Left In: -0.372+/-1.653 χ^2/NDF:30.5/18

Left: 1.681+/-1.155 χ^2/NDF: 49.3/39

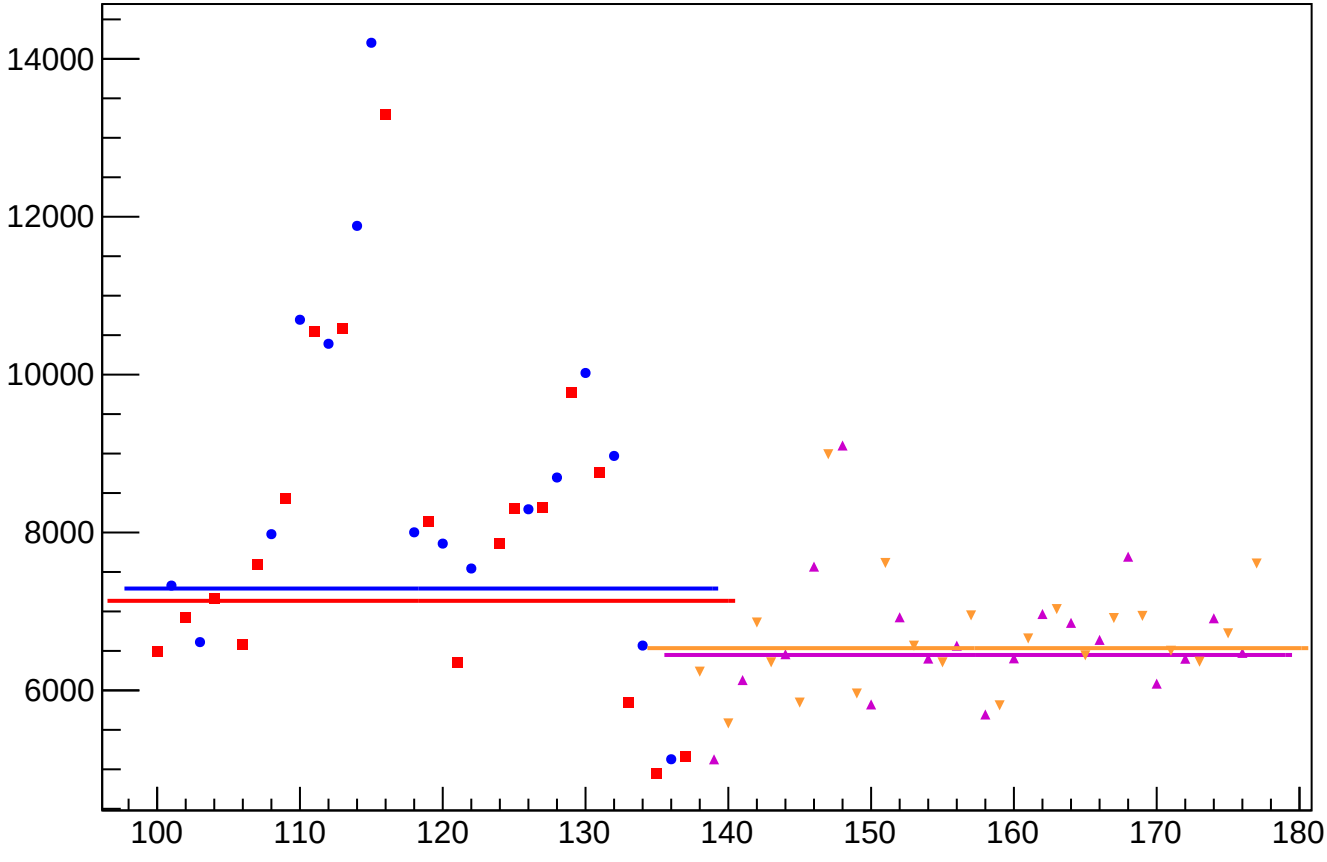
Right: -3.953+/-1.937 χ^2/NDF: 27.7/34

In: -0.973+/-1.422 χ^2/NDF:41.0/34

Out: 1.318+/-1.385 χ^2/NDF:40.8/39

All: 0.203+/-0.992 χ^2/NDF: 83.2/74

diff_bpm_4aY_4eY_avg_rms vs Slug, Sign Corrected



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

Left Out: 6535.101+/-1.142 χ^2/NDF:334265.5/20

Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

Left In: 6448.610+/-1.169 χ^2/NDF:424595.7/18

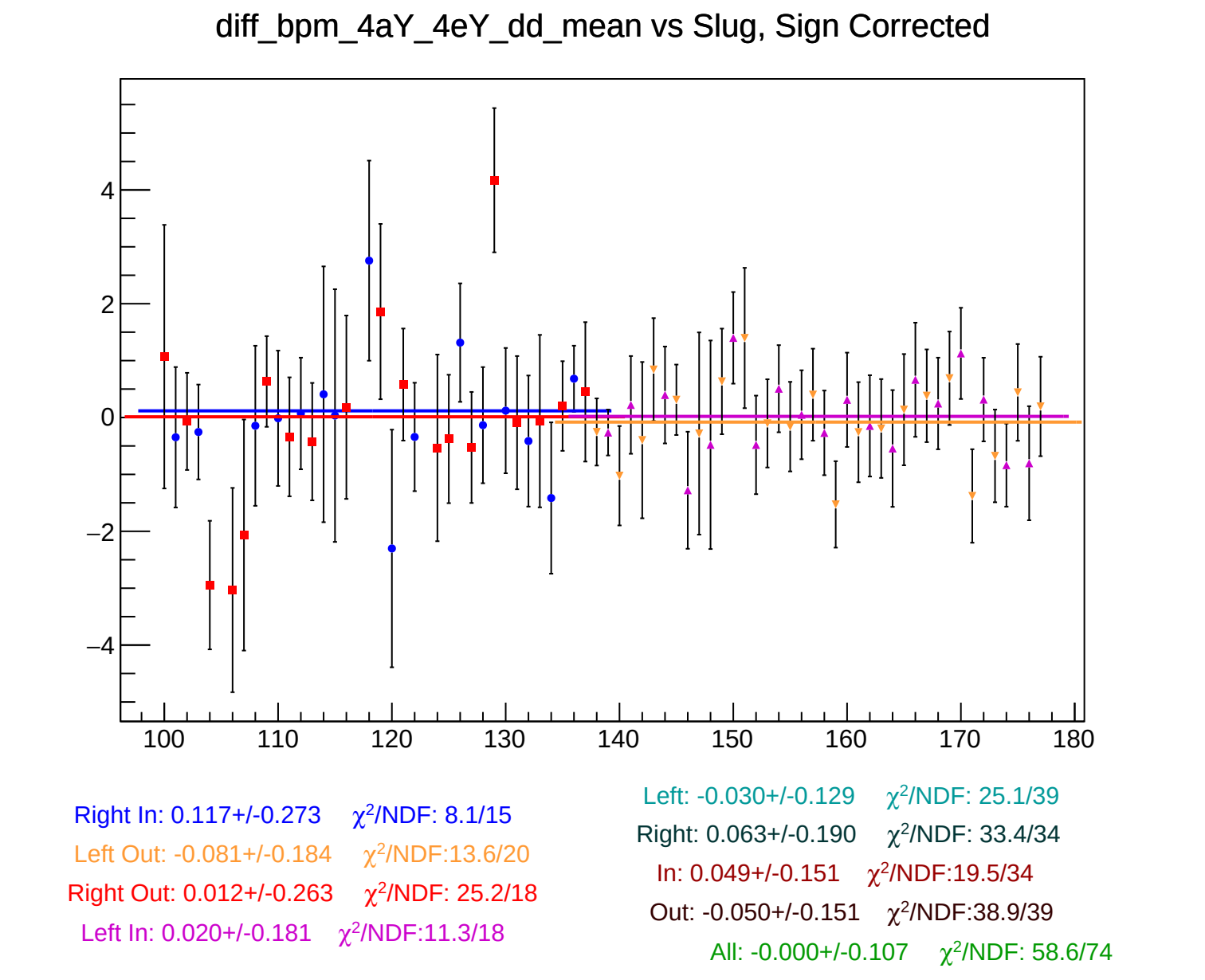
Left: 6492.875+/-0.817 χ^2/NDF: 761662.4/39

Right: 7209.592+/-1.369 χ^2/NDF: 1566539.8/34

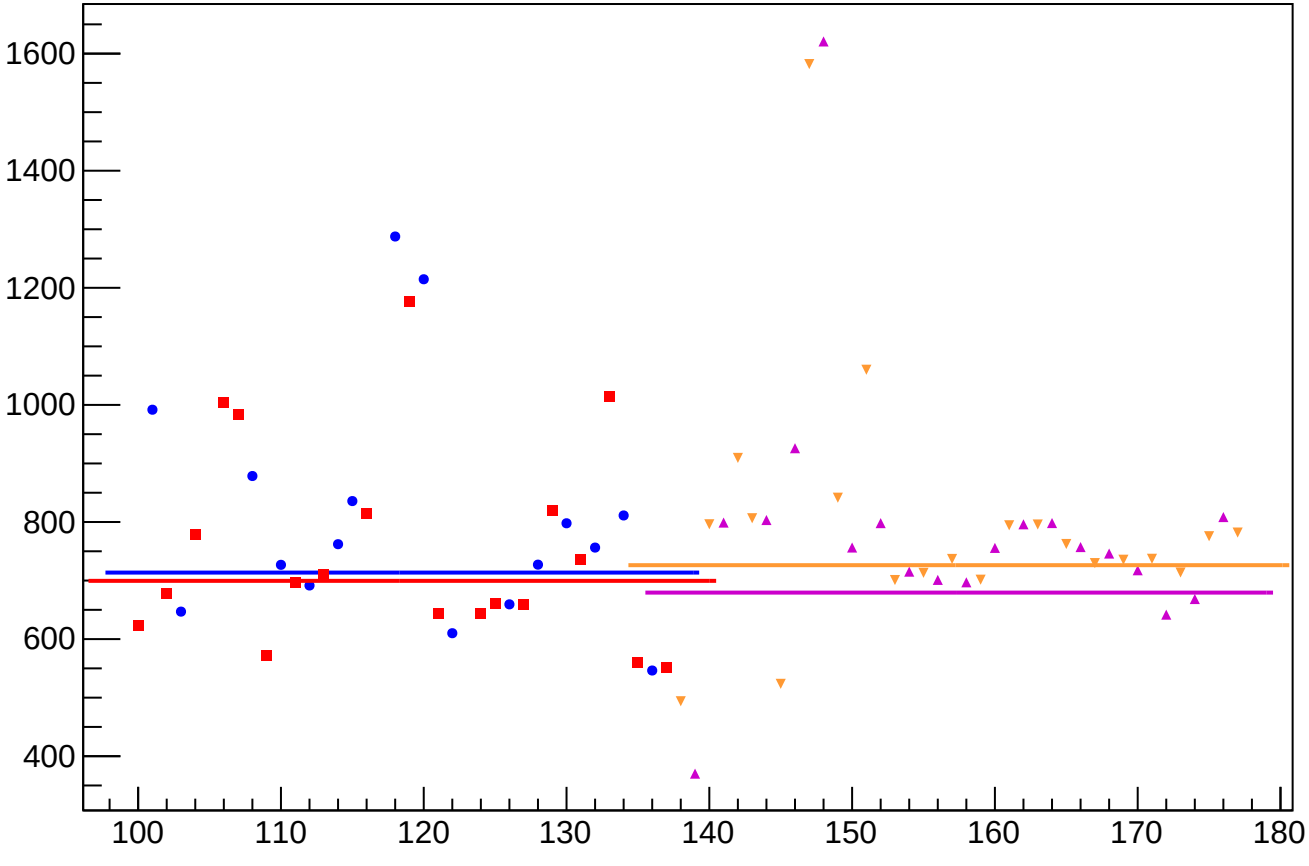
In: 6667.559+/-1.006 χ^2/NDF:1329942.2/34

Out: 6693.693+/-0.979 χ^2/NDF:1199952.2/39

All: 6680.973+/-0.702 χ^2/NDF: 2530241.0/74


diff_bpm_4aY_4eY_dd_mean vs Slug, Sign Corrected
4
2
0
−2
−4
100
110
120
130
140
150
160
170
180
Right In: 0.117+/-0.273 χ²/NDF: 8.1/15
Left Out: -0.081+/-0.184 χ²/NDF:13.6/20
Right Out: 0.012+/-0.263 χ²/NDF: 25.2/18
Left In: 0.020+/-0.181 χ²/NDF:11.3/18
Left: -0.030+/-0.129 χ²/NDF: 25.1/39
Right: 0.063+/-0.190 χ²/NDF: 33.4/34
In: 0.049+/-0.151 χ²/NDF:19.5/34
Out: -0.050+/-0.151 χ²/NDF:38.9/39
All: -0.000+/-0.107 χ²/NDF: 58.6/74

diff_bpm_4aY_4eY_dd_rms vs Slug, Sign Corrected



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 726.262+/-0.130 χ^2/NDF:1279075.5/20

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

Left In: 679.424+/-0.128 χ^2/NDF:2109947.5/18

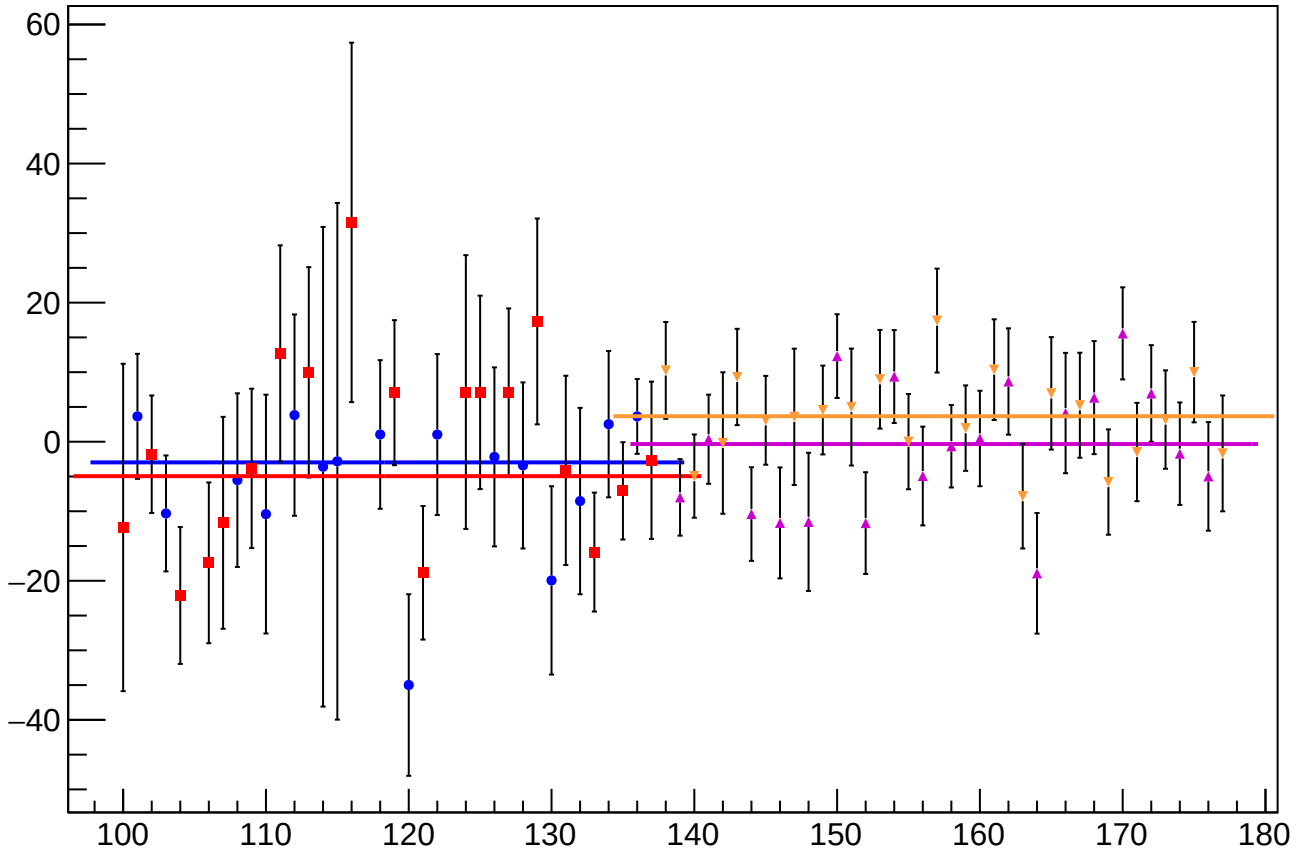
Left: 702.423+/-0.091 χ^2/NDF: 3455036.8/39

Right: 706.303+/-0.134 χ^2/NDF: 1277836.8/34

In: 689.832+/-0.107 χ^2/NDF:2831066.5/34

Out: 717.482+/-0.107 χ^2/NDF:1868725.5/39

All: 703.650+/-0.075 χ^2/NDF: 4733446.6/74



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 3.666+/-1.584 χ^2/NDF:14.8/20

Right Out: -4.955+/-2.653 χ^2/NDF: 18.5/18

Left In: -0.337+/-1.621 χ^2/NDF:31.0/18

Left: 1.711+/-1.133 χ^2/NDF: 49.0/39

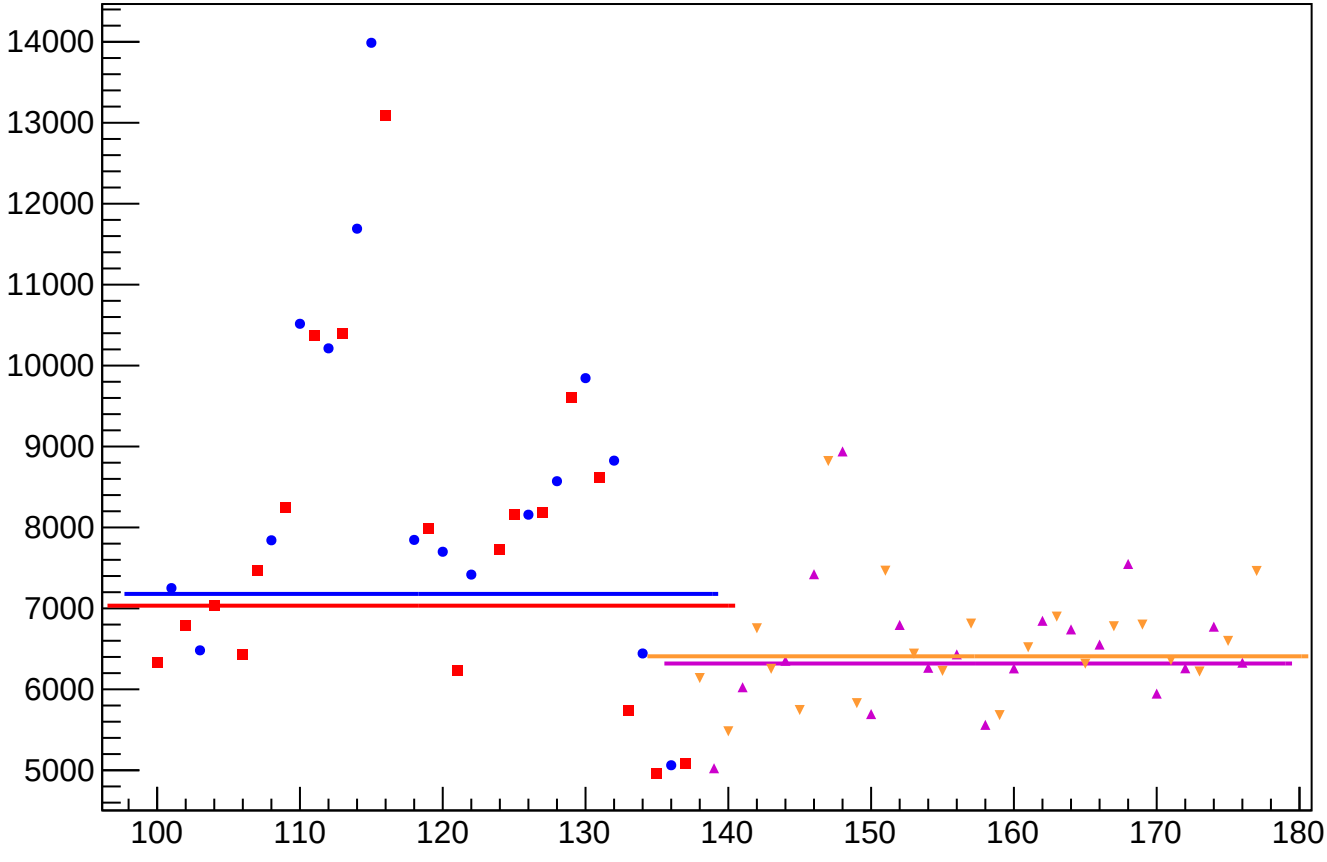
Right: -3.999+/-1.908 χ^2/NDF: 30.3/34

In: -1.018+/-1.396 χ^2/NDF:43.3/34

Out: 1.401+/-1.360 χ^2/NDF:41.1/39

All: 0.223+/-0.974 χ^2/NDF: 85.9/74

diff_bpm_4aY_4ecY_avg_rms vs Slug, Sign Corrected



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6407.957+/-1.120 χ^2/NDF:334664.8/20

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

Left In: 6318.958+/-1.146 χ^2/NDF:431338.3/18

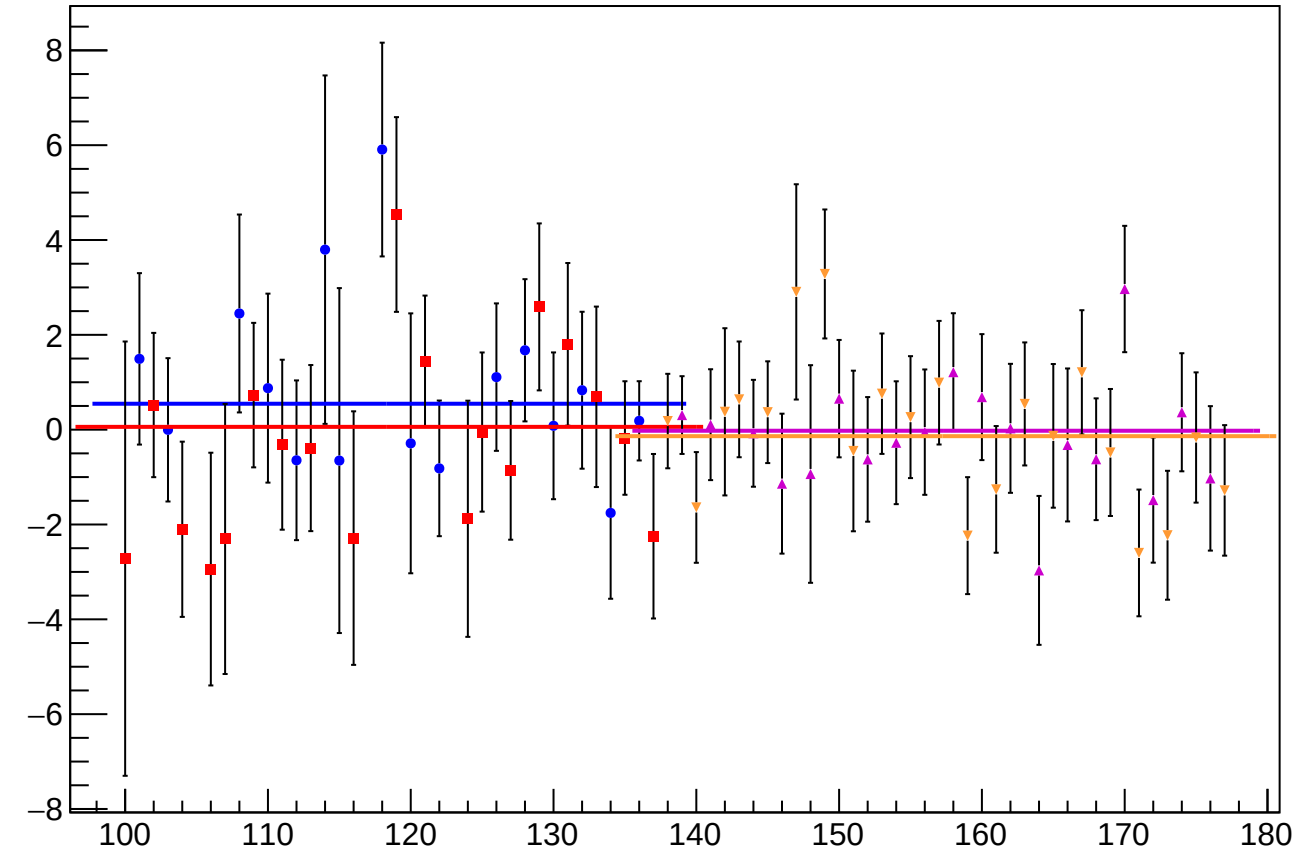
Left: 6364.484+/-0.801 χ^2/NDF: 769088.7/39

Right: 7103.732+/-1.349 χ^2/NDF: 1531224.9/34

In: 6541.098+/-0.987 χ^2/NDF:1338752.7/34

Out: 6572.284+/-0.962 χ^2/NDF:1183035.5/39

All: 6557.096+/-0.689 χ^2/NDF: 2522300.5/74



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: -0.137+/-0.288 χ^2/NDF:23.4/20

Right Out: 0.059+/-0.409 χ^2/NDF: 16.9/18

Left In: -0.023+/-0.296 χ^2/NDF:13.3/18

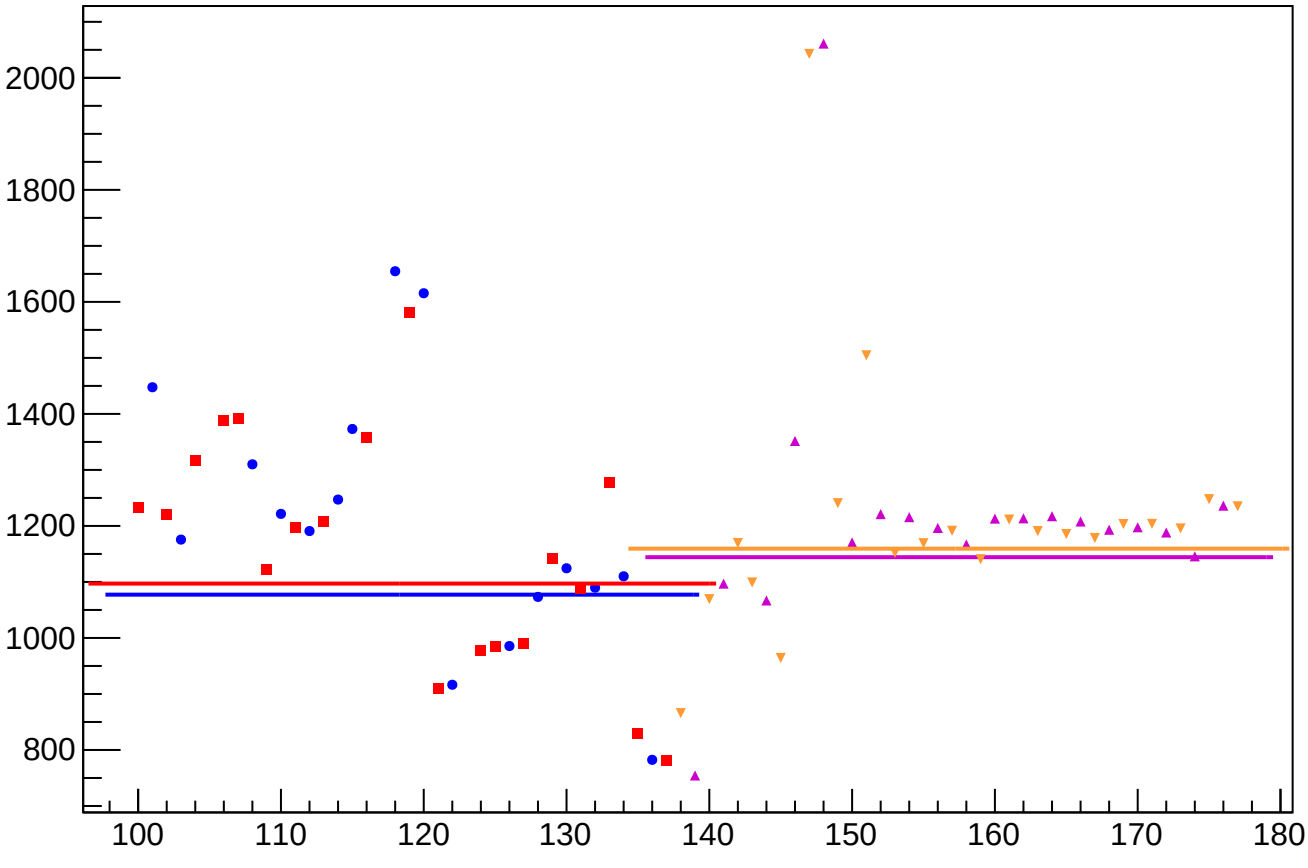
Left: -0.081+/-0.206 χ^2/NDF: 36.8/39

Right: 0.302+/-0.290 χ^2/NDF: 29.5/34

In: 0.172+/-0.240 χ^2/NDF:26.5/34

Out: -0.072+/-0.236 χ^2/NDF:40.4/39

All: 0.048+/-0.168 χ^2/NDF: 67.5/74



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1159.441+/-0.204 χ^2/NDF:676838.8/20

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

Left In: 1144.208+/-0.209 χ^2/NDF:874564.0/18

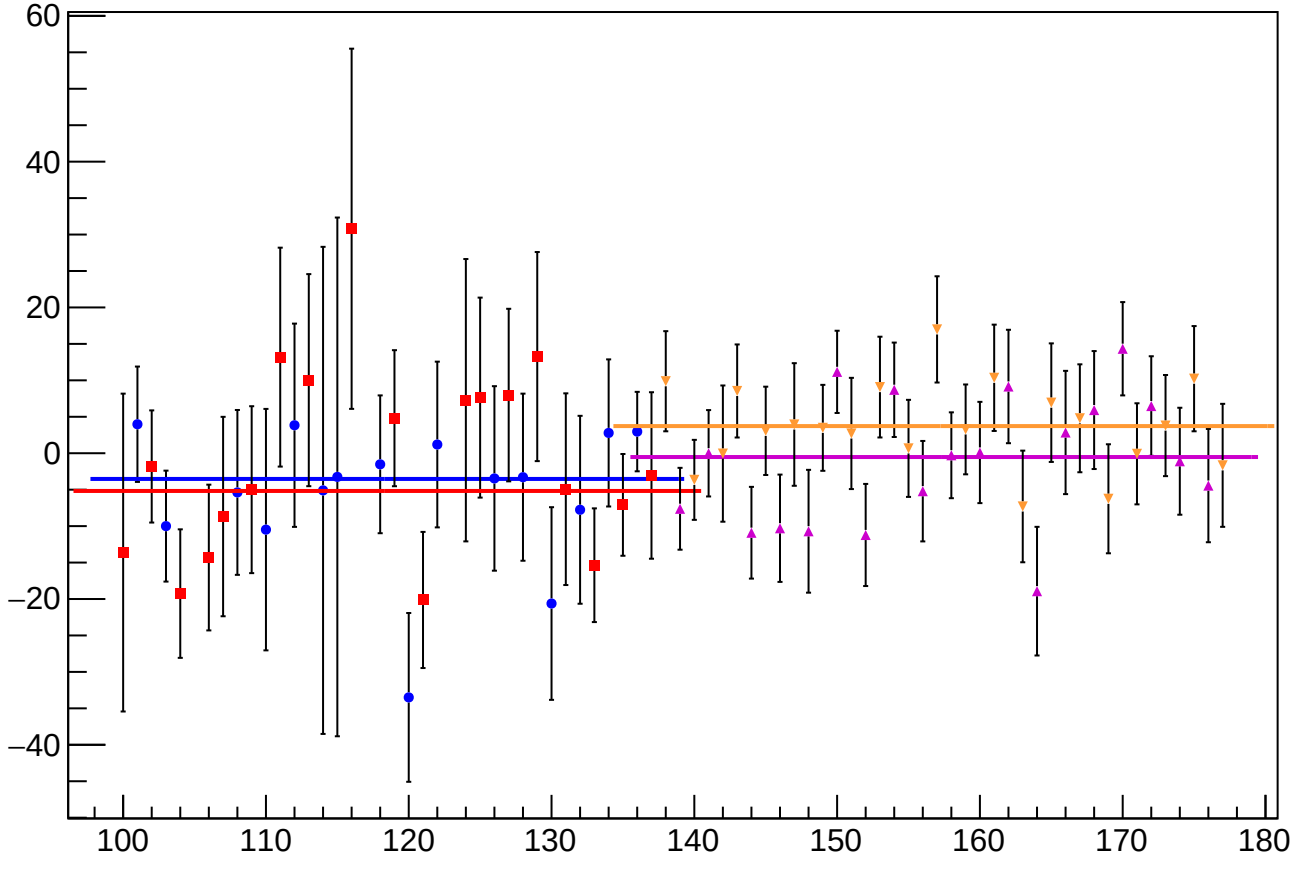
Left: 1152.028+/-0.146 χ^2/NDF: 1554123.5/39

Right: 1087.256+/-0.205 χ^2/NDF: 1133226.7/34

In: 1121.356+/-0.170 χ^2/NDF:1555999.2/34

Out: 1138.757+/-0.167 χ^2/NDF:1192272.4/39

All: 1130.225+/-0.119 χ^2/NDF: 2753624.8/74



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 3.724+/-1.528 χ^2/NDF:13.9/20

Right Out: -5.176+/-2.508 χ^2/NDF: 18.2/18

Left In: -0.522+/-1.574 χ^2/NDF:30.1/18

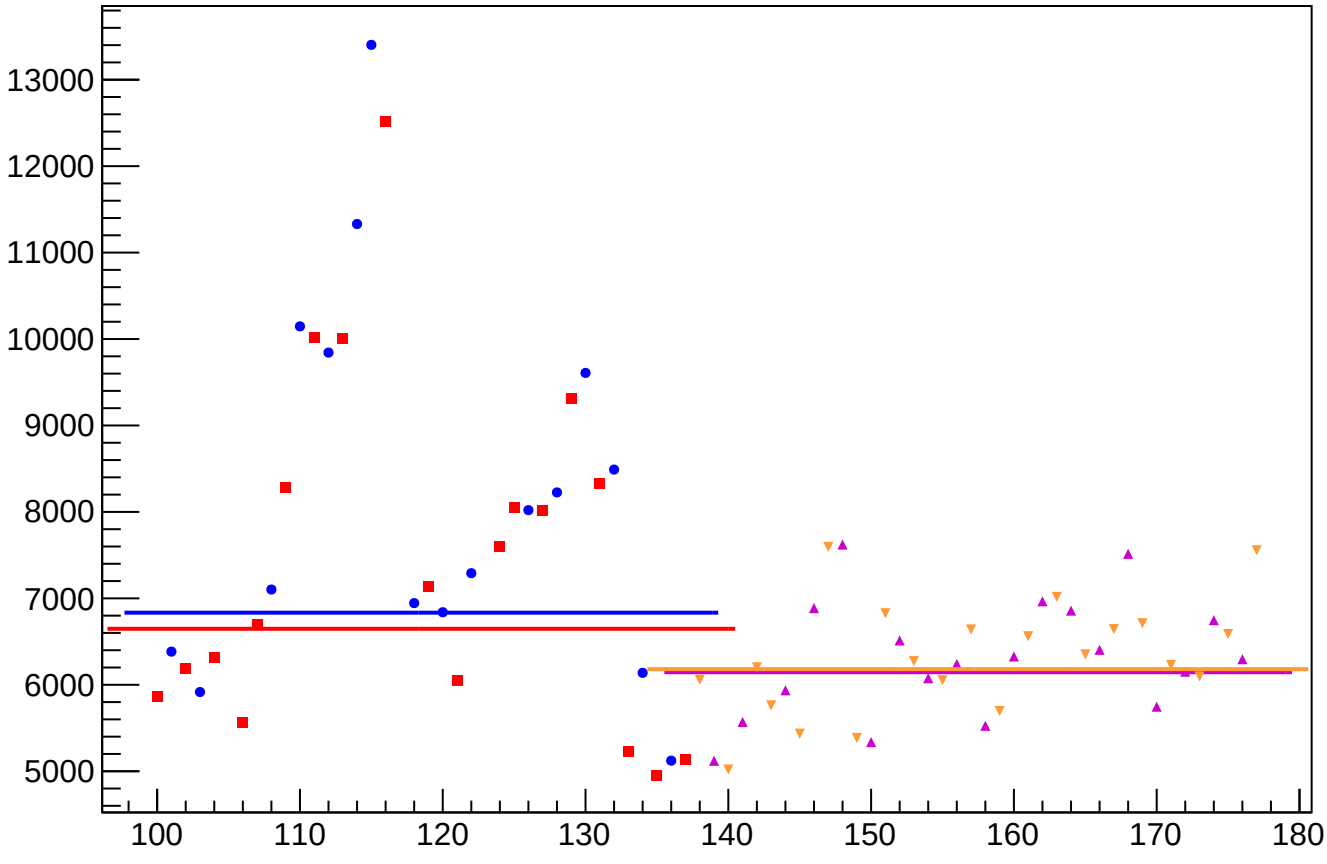
Left: 1.664+/-1.096 χ^2/NDF: 47.7/39

Right: -4.384+/-1.808 χ^2/NDF: 31.0/34

In: -1.324+/-1.347 χ^2/NDF:43.7/34

Out: 1.315+/-1.305 χ^2/NDF:41.3/39

All: 0.038+/-0.937 χ^2/NDF: 86.9/74



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 6180.810+/-1.080 χ^2/NDF:365809.6/20

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

Left In: 6145.716+/-1.113 χ^2/NDF:356573.7/18

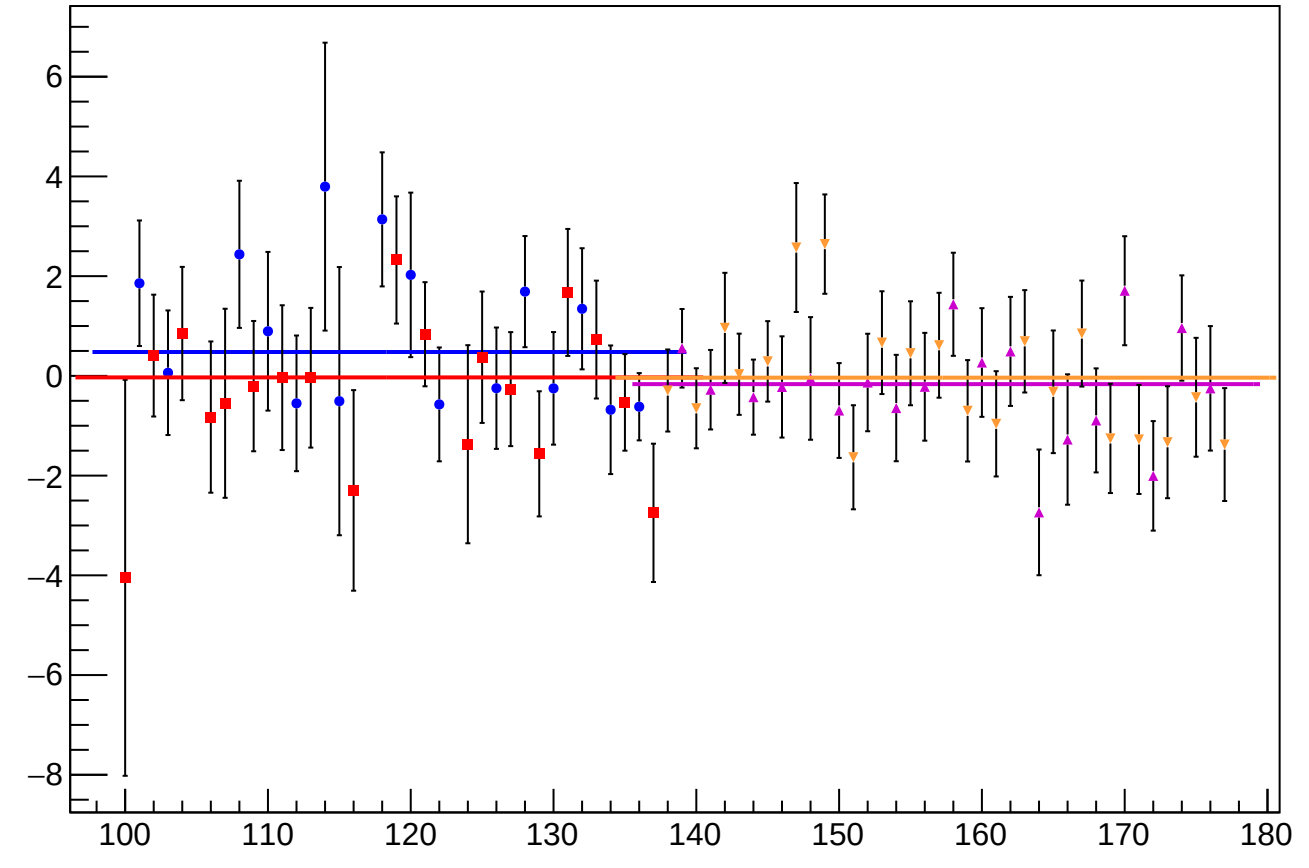
Left: 6163.778+/-0.775 χ^2/NDF: 722895.3/39

Right: 6737.523+/-1.278 χ^2/NDF: 1483130.1/34

In: 6329.485+/-0.953 χ^2/NDF:1151513.1/34

Out: 6307.282+/-0.923 χ^2/NDF:1201526.2/39

All: 6318.028+/-0.663 χ^2/NDF: 2353319.6/74



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: -0.036+/-0.221 χ^2/NDF:24.2/20

Right Out: -0.030+/-0.309 χ^2/NDF: 15.7/18

Left In: -0.165+/-0.233 χ^2/NDF:16.7/18

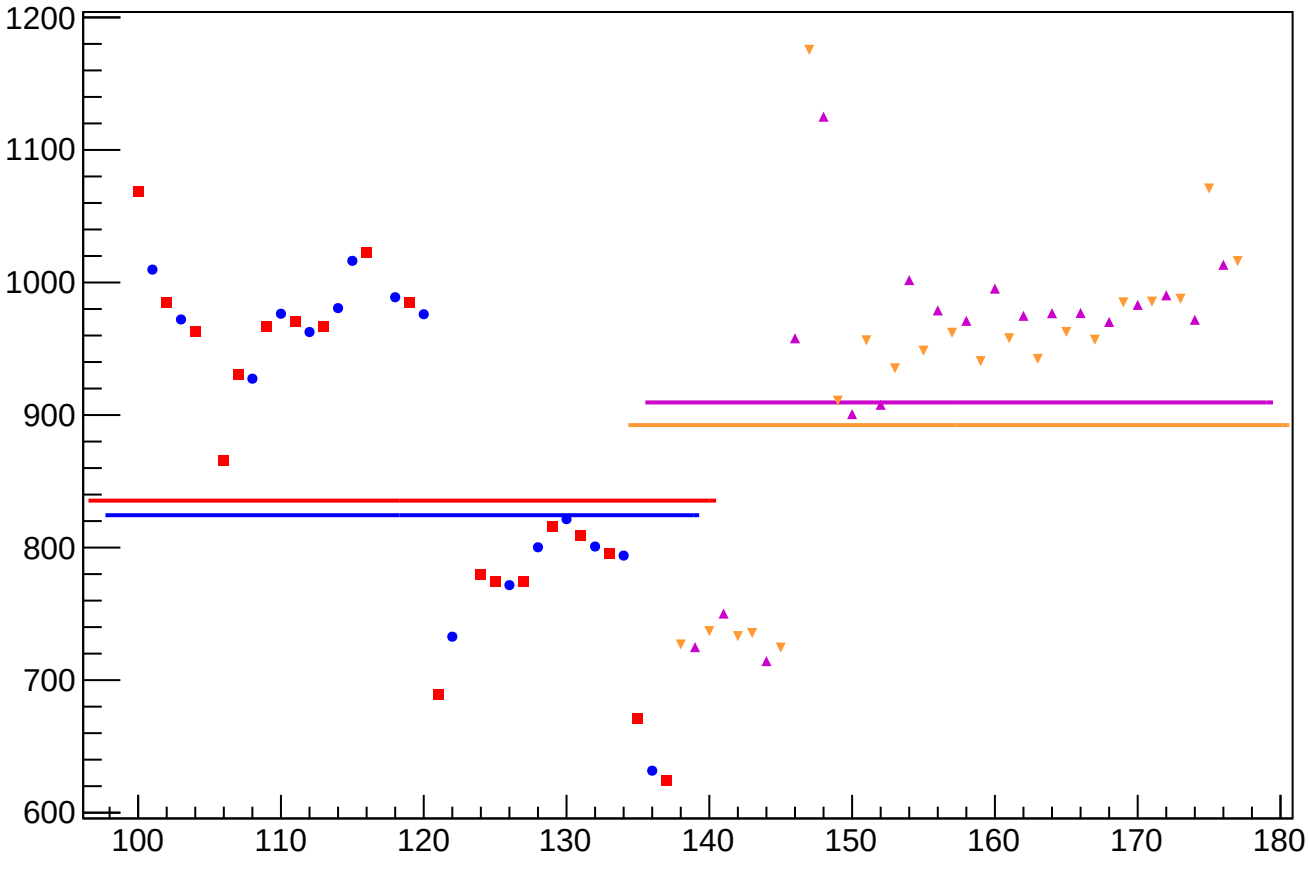
Left: -0.097+/-0.160 χ^2/NDF: 41.0/39

Right: 0.222+/-0.219 χ^2/NDF: 33.8/34

In: 0.066+/-0.186 χ^2/NDF:36.1/34

Out: -0.034+/-0.180 χ^2/NDF:39.9/39

All: 0.014+/-0.129 χ^2/NDF: 76.2/74



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 892.411+/-0.156 χ^2/NDF:623172.3/20

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

Left In: 909.501+/-0.165 χ^2/NDF:498613.6/18

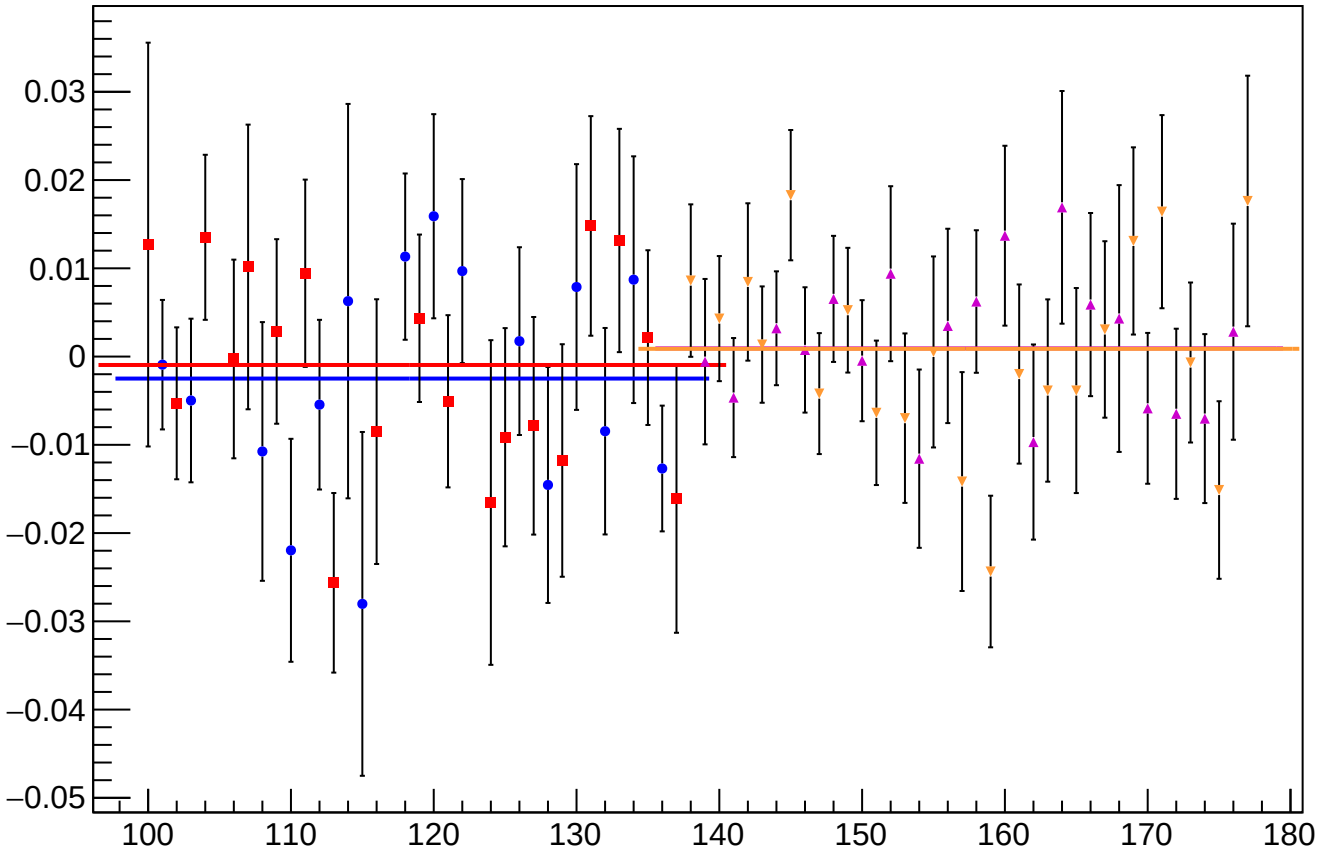
Left: 900.501+/-0.113 χ^2/NDF: 1127451.4/39

Right: 829.974+/-0.155 χ^2/NDF: 686027.0/34

In: 878.889+/-0.132 χ^2/NDF:959999.6/34

Out: 873.101+/-0.127 χ^2/NDF:987557.0/39

All: 875.888+/-0.091 χ^2/NDF: 1948556.3/74



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.001+/-0.002 χ^2/NDF:27.6/20

Right Out: -0.001+/-0.003 χ^2/NDF: 17.3/18

Left In: 0.001+/-0.002 χ^2/NDF:10.4/18

Left: 0.001+/-0.001 χ^2/NDF: 38.0/39

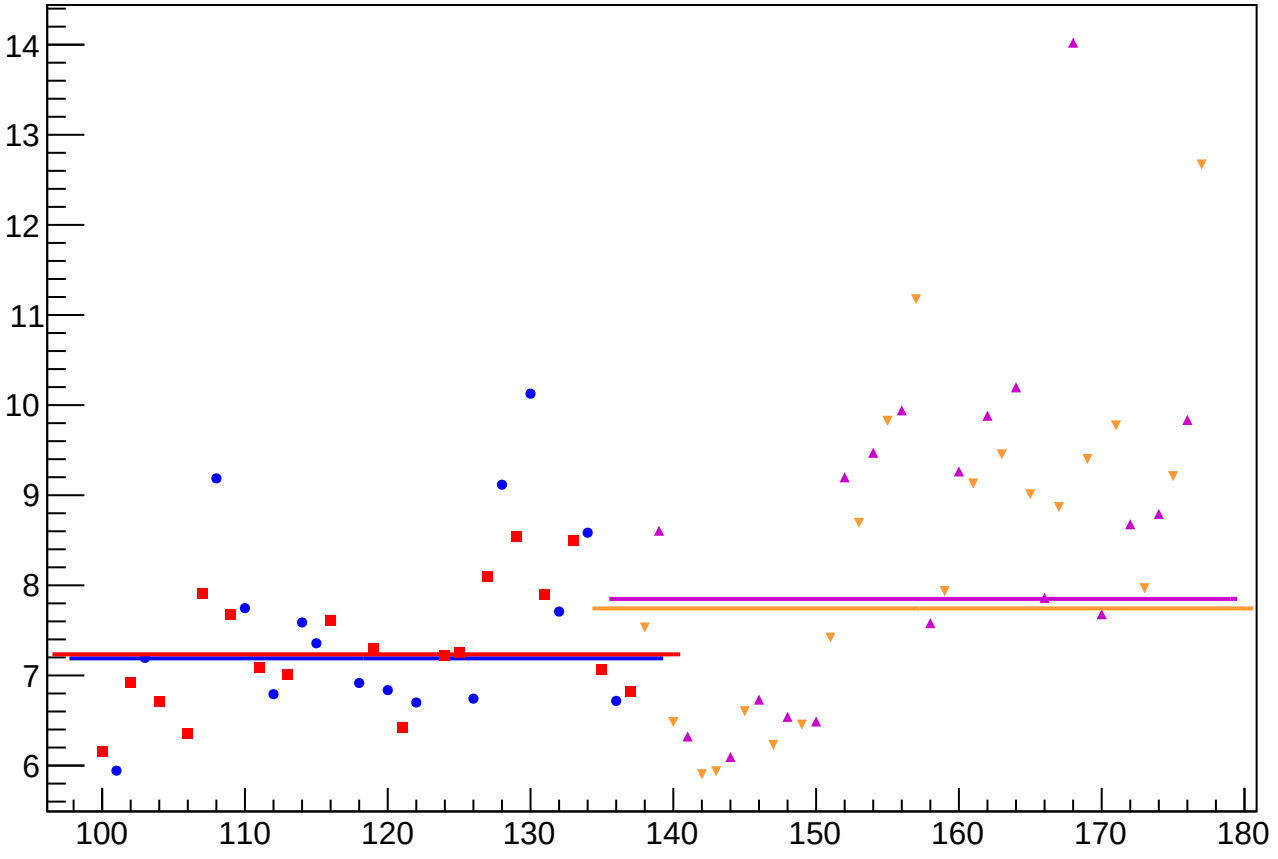
Right: -0.002+/-0.002 χ^2/NDF: 32.8/34

In: -0.000+/-0.002 χ^2/NDF:26.7/34

Out: 0.000+/-0.002 χ^2/NDF:45.2/39

All: -0.000+/-0.001 χ^2/NDF: 72.0/74

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 7.743+/-0.001 χ^2/NDF:1306427.9/20

Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 7.850+/-0.001 χ^2/NDF:1212326.2/18

Left: 7.794+/-0.001 χ^2/NDF: 2521589.6/39

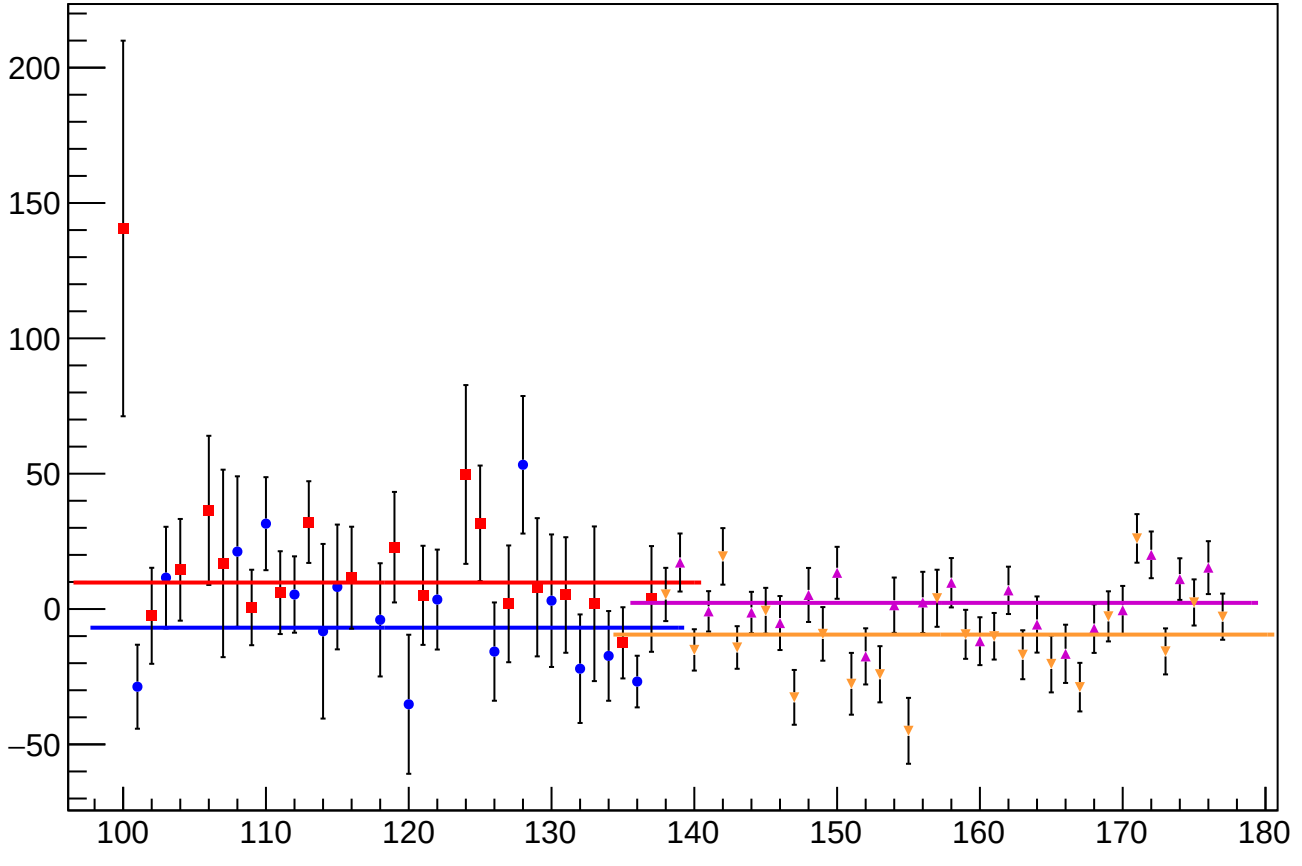
Right: 7.213+/-0.001 χ^2/NDF: 384182.4/34

In: 7.611+/-0.001 χ^2/NDF:1565750.9/34

Out: 7.566+/-0.001 χ^2/NDF:1460410.2/39

All: 7.588+/-0.001 χ^2/NDF: 3026968.3/74

diff_targ_positionX_mean vs Slug, Sign Corrected



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -9.439+/-2.023 χ^2/NDF:57.6/20

Right Out: 9.790+/-4.517 χ^2/NDF: 14.0/18

Left In: 2.280+/-2.118 χ^2/NDF:23.6/18

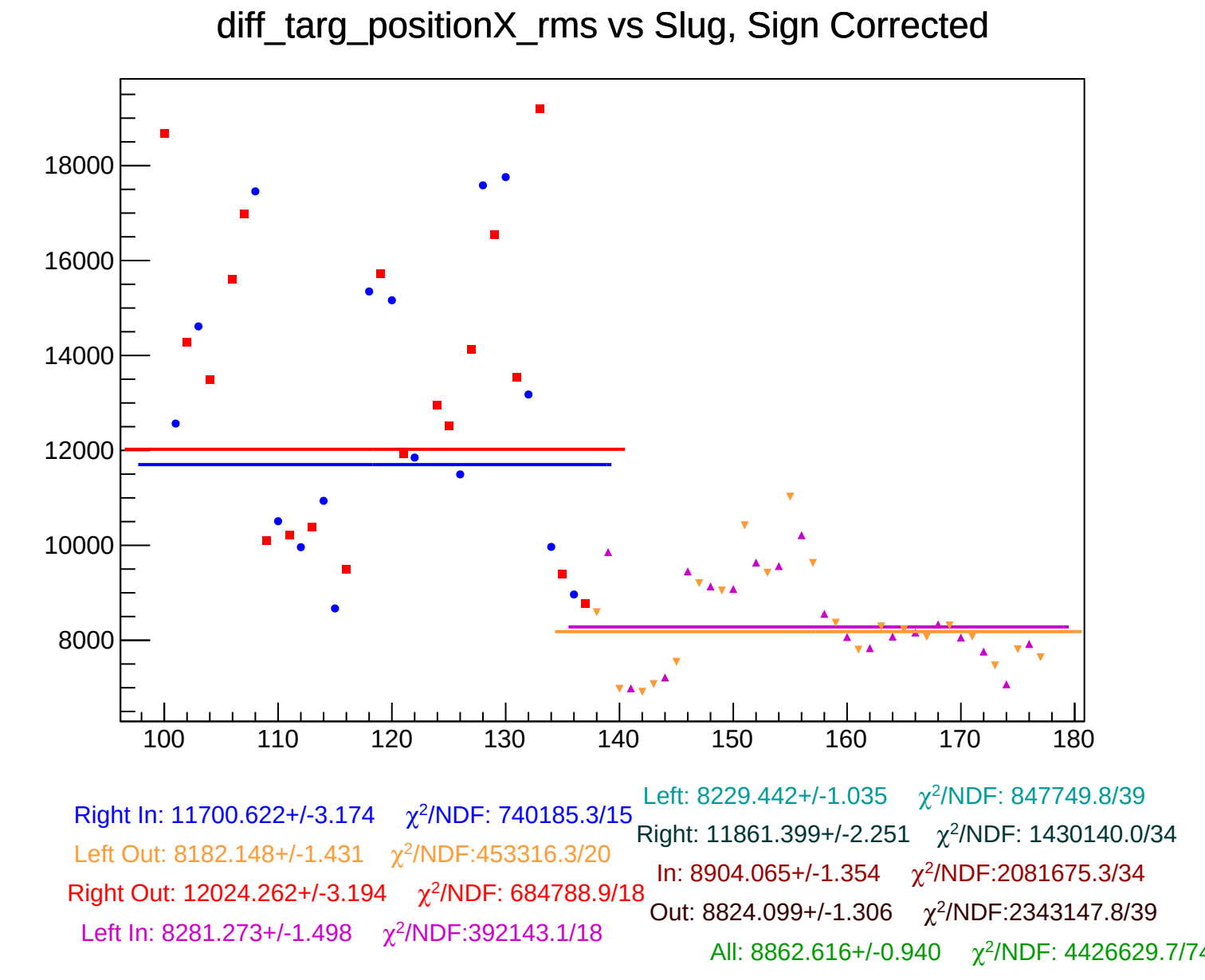
Left: -3.848+/-1.463 χ^2/NDF: 97.2/39

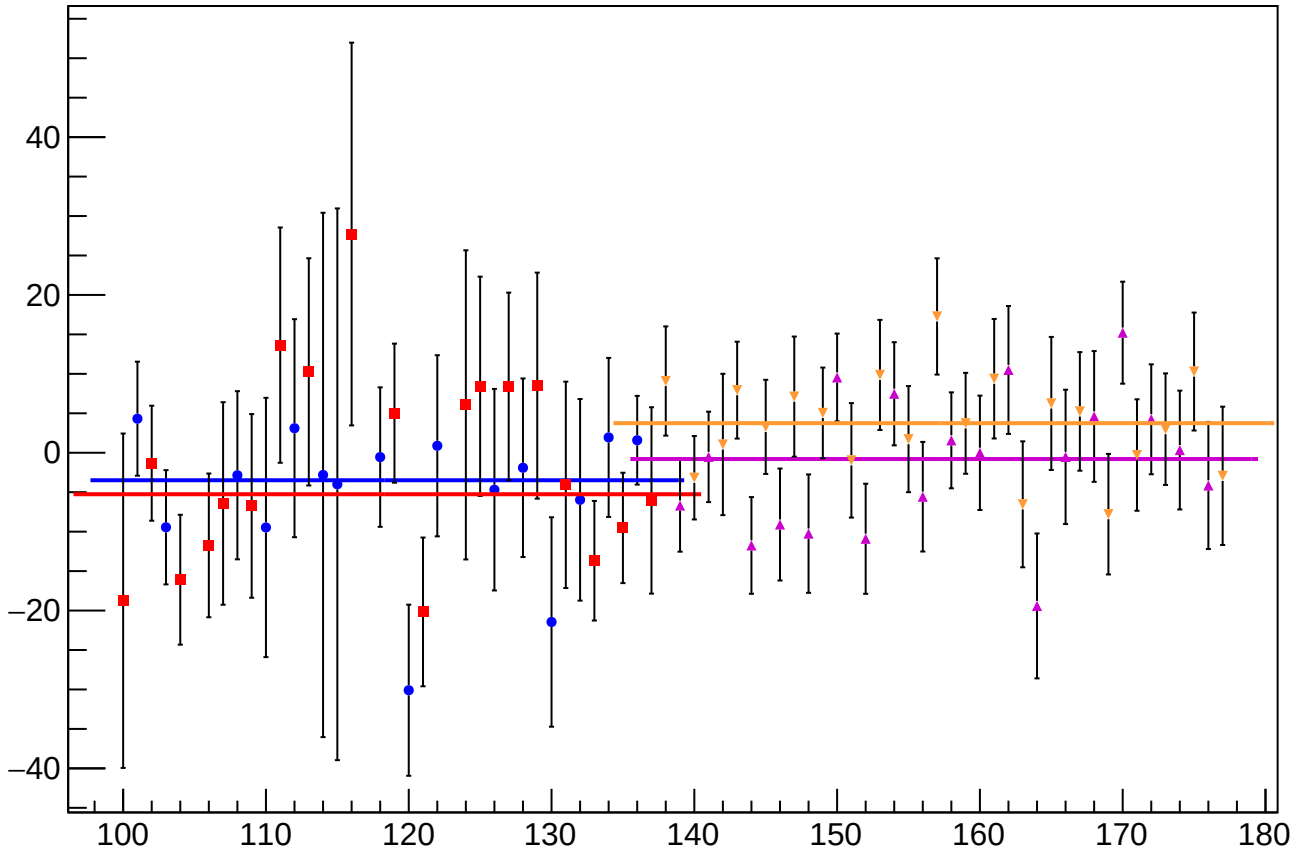
Right: 1.396+/-3.184 χ^2/NDF: 43.9/34

In: 0.609+/-1.916 χ^2/NDF:50.1/34

Out: -6.226+/-1.847 χ^2/NDF:86.6/39

All: -2.934+/-1.329 χ^2/NDF: 143.3/74


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: 8182.148+/-1.431 χ²/NDF:453316.3/20
Right Out: 12024.262+/-3.194 χ²/NDF: 684788.9/18
Left In: 8281.273+/-1.498 χ²/NDF:392143.1/18
Left: 8229.442+/-1.035 χ²/NDF: 847749.8/39
Right: 11861.399+/-2.251 χ²/NDF: 1430140.0/34
In: 8904.065+/-1.354 χ²/NDF:2081675.3/34
Out: 8824.099+/-1.306 χ²/NDF:2343147.8/39
All: 8862.616+/-0.940 χ²/NDF: 4426629.7/74



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 3.750+/-1.527 χ^2/NDF:14.1/20

Right Out: -5.259+/-2.446 χ^2/NDF: 16.6/18

Left In: -0.794+/-1.581 χ^2/NDF:28.3/18

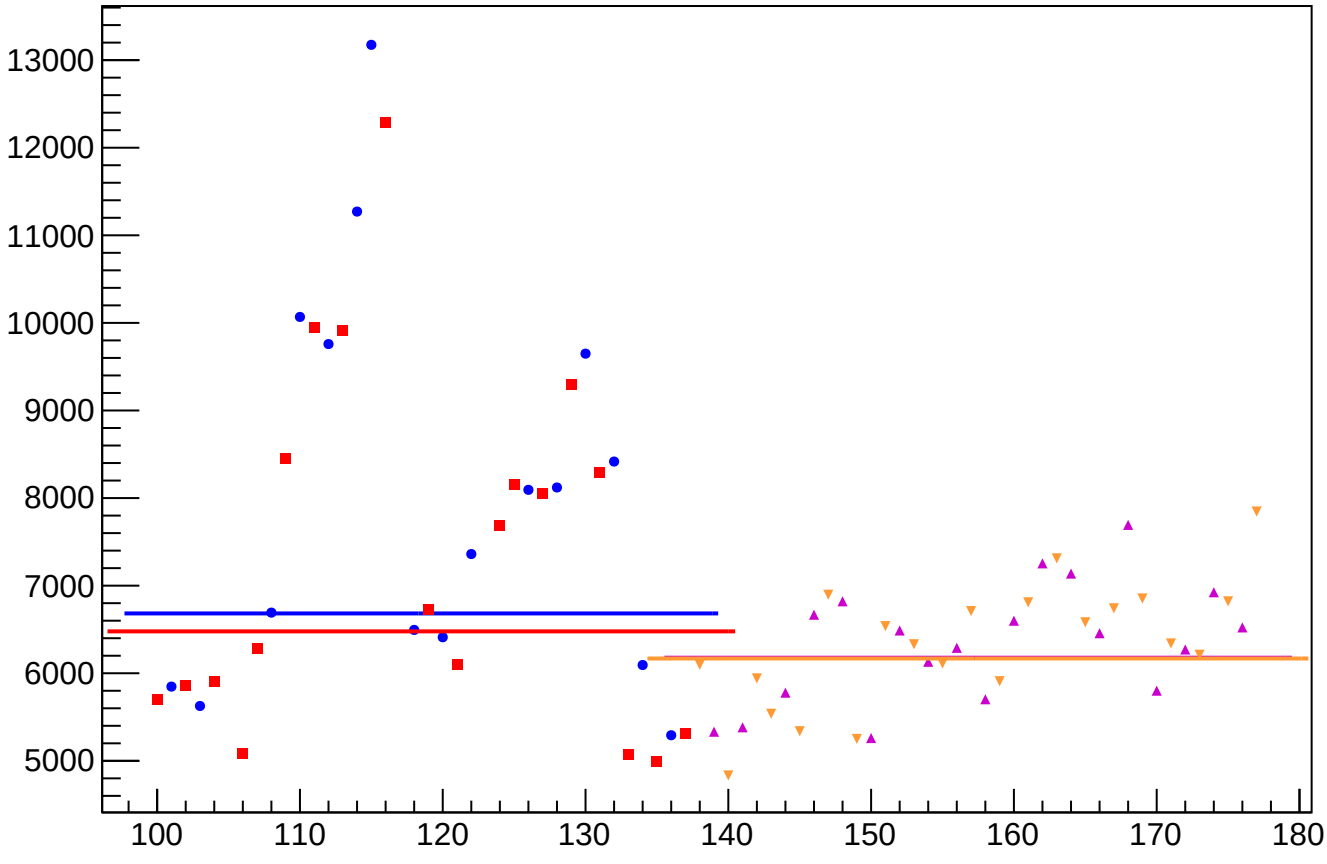
Left: 1.557+/-1.098 χ^2/NDF: 46.6/39

Right: -4.409+/-1.765 χ^2/NDF: 28.3/34

In: -1.541+/-1.344 χ^2/NDF:40.6/34

Out: 1.224+/-1.295 χ^2/NDF:40.4/39

All: -0.108+/-0.933 χ^2/NDF: 83.2/74



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 6168.414+/-1.080 χ^2/NDF:456708.4/20

Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

Left In: 6177.562+/-1.118 χ^2/NDF:347897.8/18

Left: 6172.830+/-0.777 χ^2/NDF: 804640.9/39

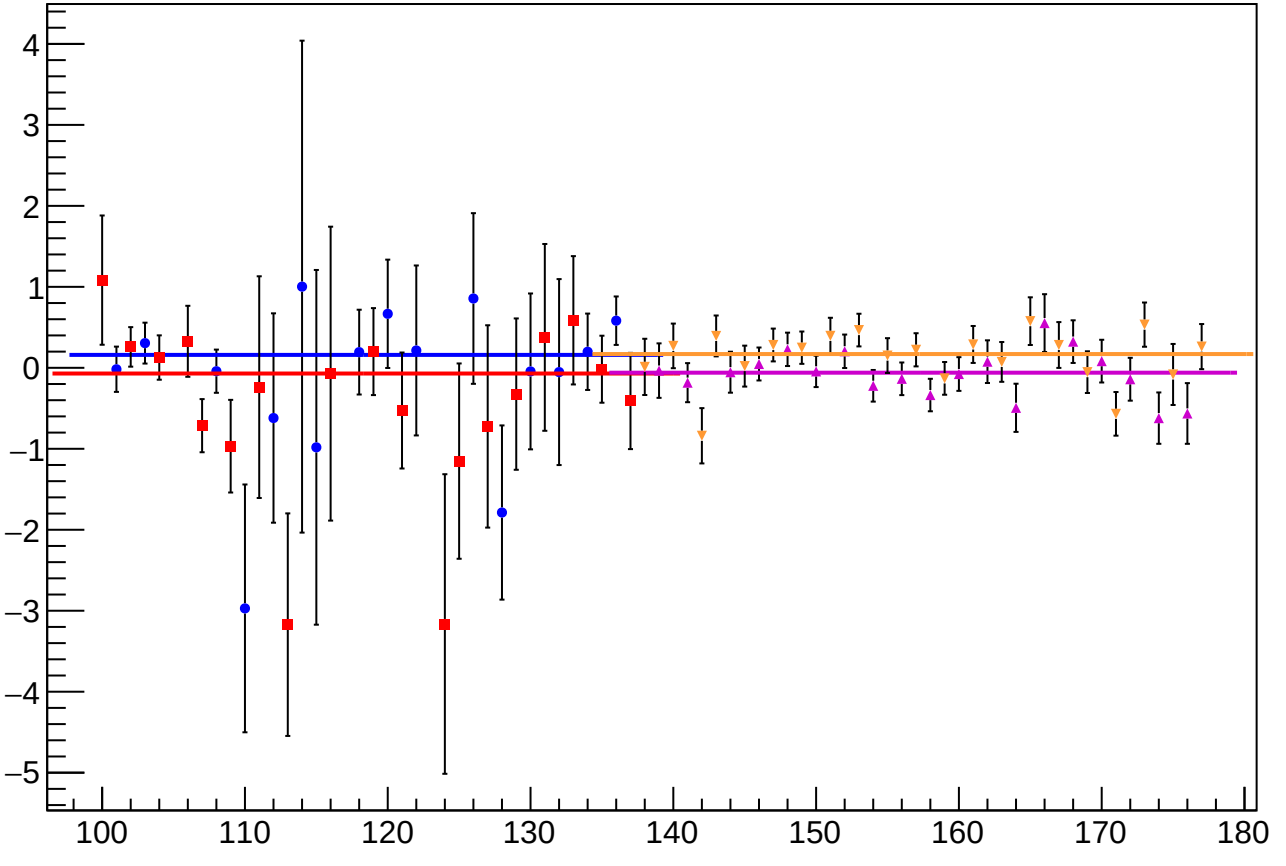
Right: 6576.323+/-1.248 χ^2/NDF: 1538150.0/34

In: 6317.903+/-0.950 χ^2/NDF:1096868.8/34

Out: 6255.249+/-0.916 χ^2/NDF:1319003.9/39

All: 6285.433+/-0.659 χ^2/NDF: 2418126.9/74

diff_targ_thetaX_mean vs Slug, Sign Corrected



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.170+/-0.054 χ^2/NDF:29.2/20

Right Out: -0.070+/-0.120 χ^2/NDF: 22.5/18

Left In: -0.060+/-0.055 χ^2/NDF:19.7/18

Left: 0.058+/-0.038 χ^2/NDF: 57.9/39

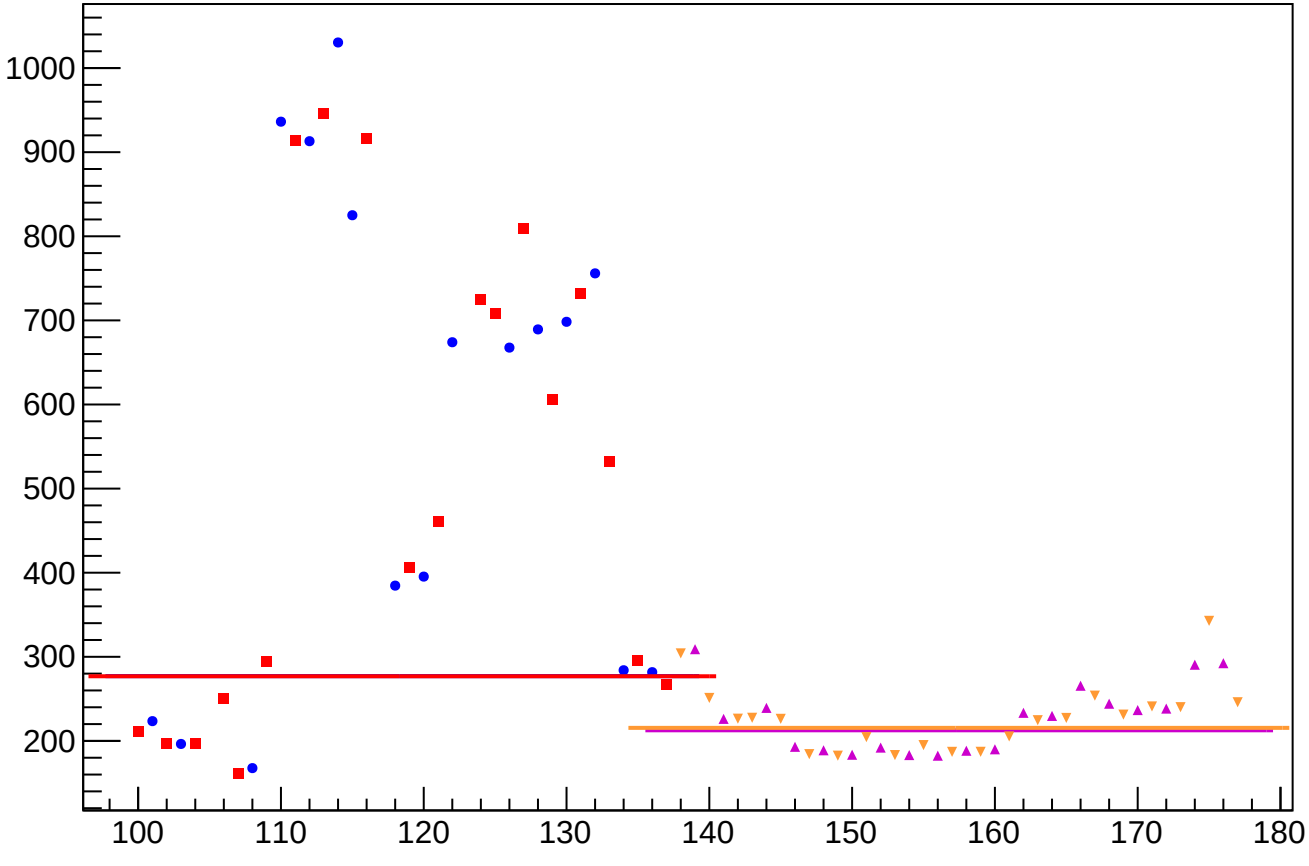
Right: 0.045+/-0.085 χ^2/NDF: 36.9/34

In: -0.022+/-0.050 χ^2/NDF:35.0/34

Out: 0.130+/-0.049 χ^2/NDF:55.0/39

All: 0.055+/-0.035 χ^2/NDF: 94.8/74

diff_targ_thetaX_rms vs Slug, Sign Corrected



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 215.517+/-0.038 χ^2/NDF:769142.0/20

Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

Left In: 212.618+/-0.039 χ^2/NDF:785367.7/18

Left: 214.101+/-0.027 χ^2/NDF: 1557361.9/39

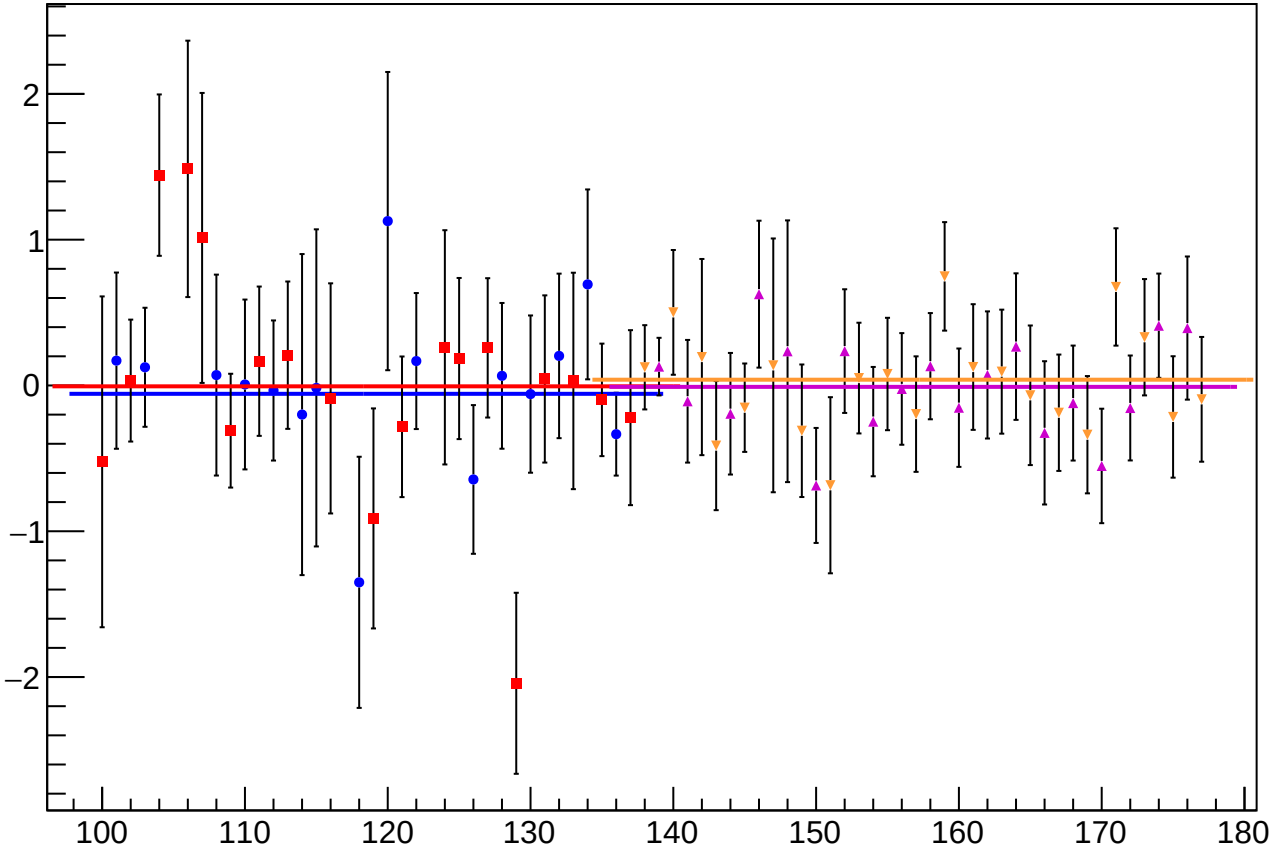
Right: 276.942+/-0.060 χ^2/NDF: 7022156.1/34

In: 223.828+/-0.035 χ^2/NDF:4714976.7/34

Out: 225.778+/-0.035 χ^2/NDF:4778260.2/39

All: 224.822+/-0.025 χ^2/NDF: 9494793.2/74

diff_targ_thetaY_mean vs Slug, Sign Corrected



Right In: -0.057+/-0.134 χ^2/NDF: 8.1/15

Left Out: 0.039+/-0.090 χ^2/NDF:13.6/20

Right Out: -0.006+/-0.129 χ^2/NDF: 25.2/18

Left In: -0.010+/-0.088 χ^2/NDF:11.3/18

Left: 0.014+/-0.063 χ^2/NDF: 25.1/39

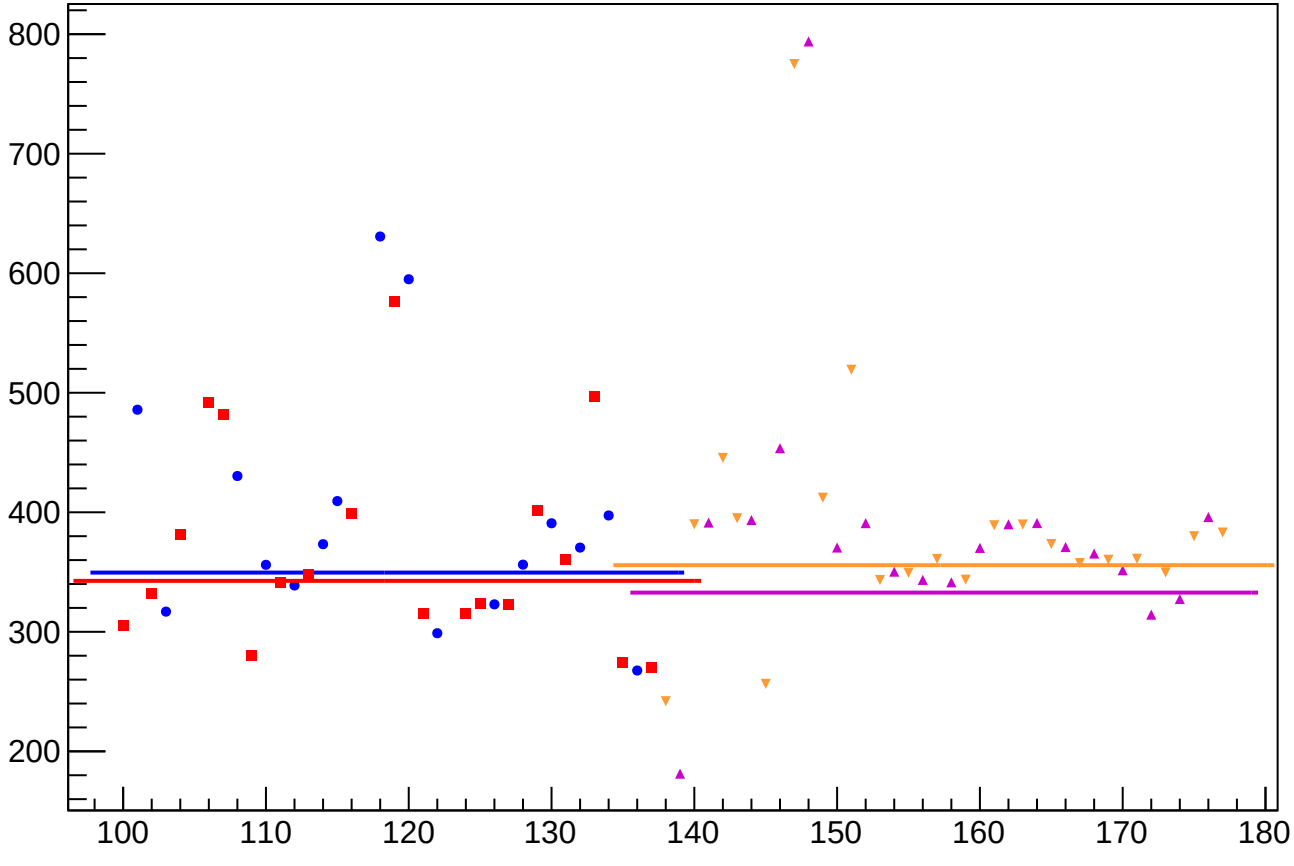
Right: -0.031+/-0.093 χ^2/NDF: 33.4/34

In: -0.024+/-0.074 χ^2/NDF:19.5/34

Out: 0.025+/-0.074 χ^2/NDF:38.9/39

All: 0.000+/-0.052 χ^2/NDF: 58.6/74

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 355.749+/-0.064 χ^2/NDF:1279075.5/20

Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 332.806+/-0.063 χ^2/NDF:2109947.5/18

Left: 344.072+/-0.045 χ^2/NDF: 3455036.8/39

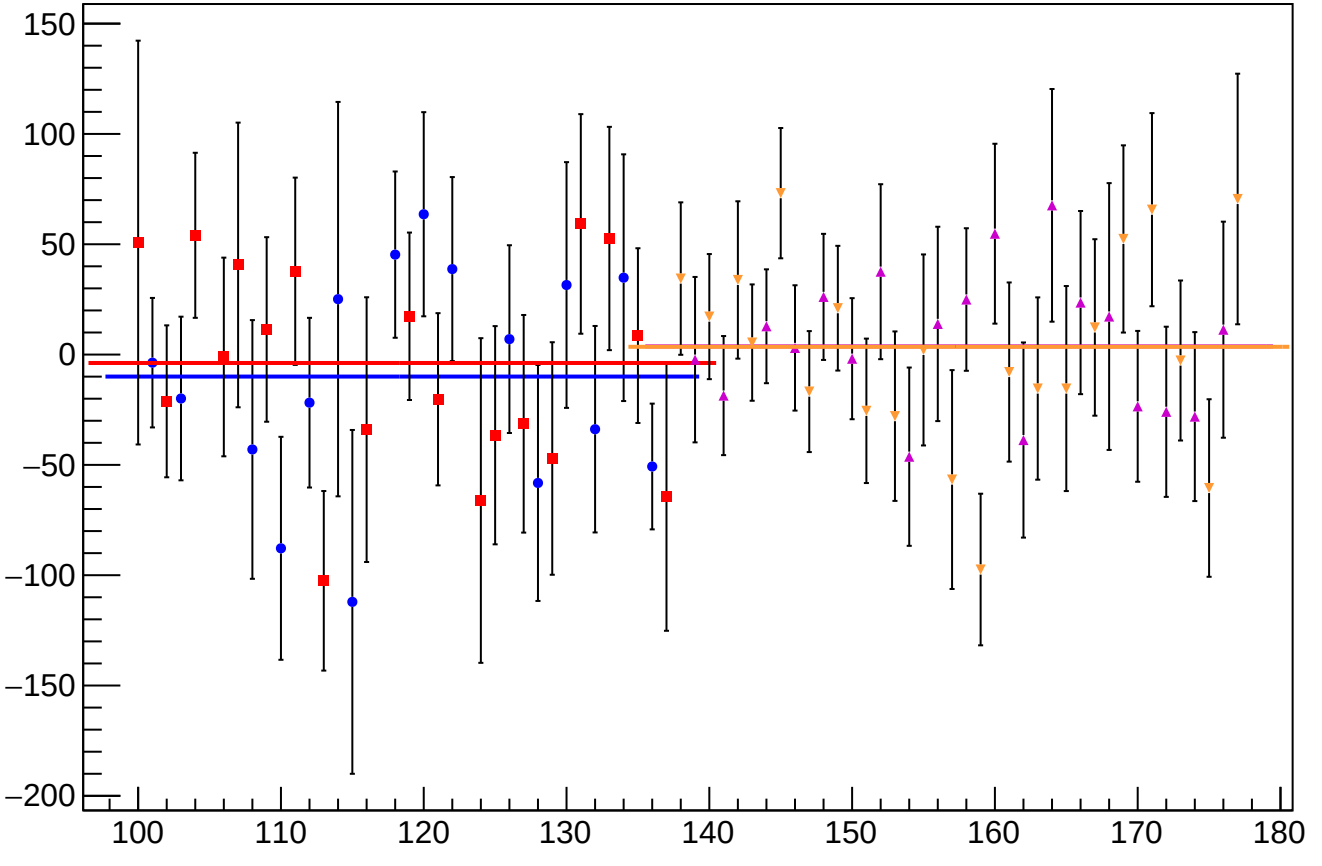
Right: 345.972+/-0.066 χ^2/NDF: 1277836.8/34

In: 337.904+/-0.052 χ^2/NDF:2831066.5/34

Out: 351.449+/-0.052 χ^2/NDF:1868725.5/39

All: 344.673+/-0.037 χ^2/NDF: 4733446.6/74

diff_bpmE_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 3.518+/-7.790 χ^2/NDF:27.6/20

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 3.710+/-8.150 χ^2/NDF:10.4/18

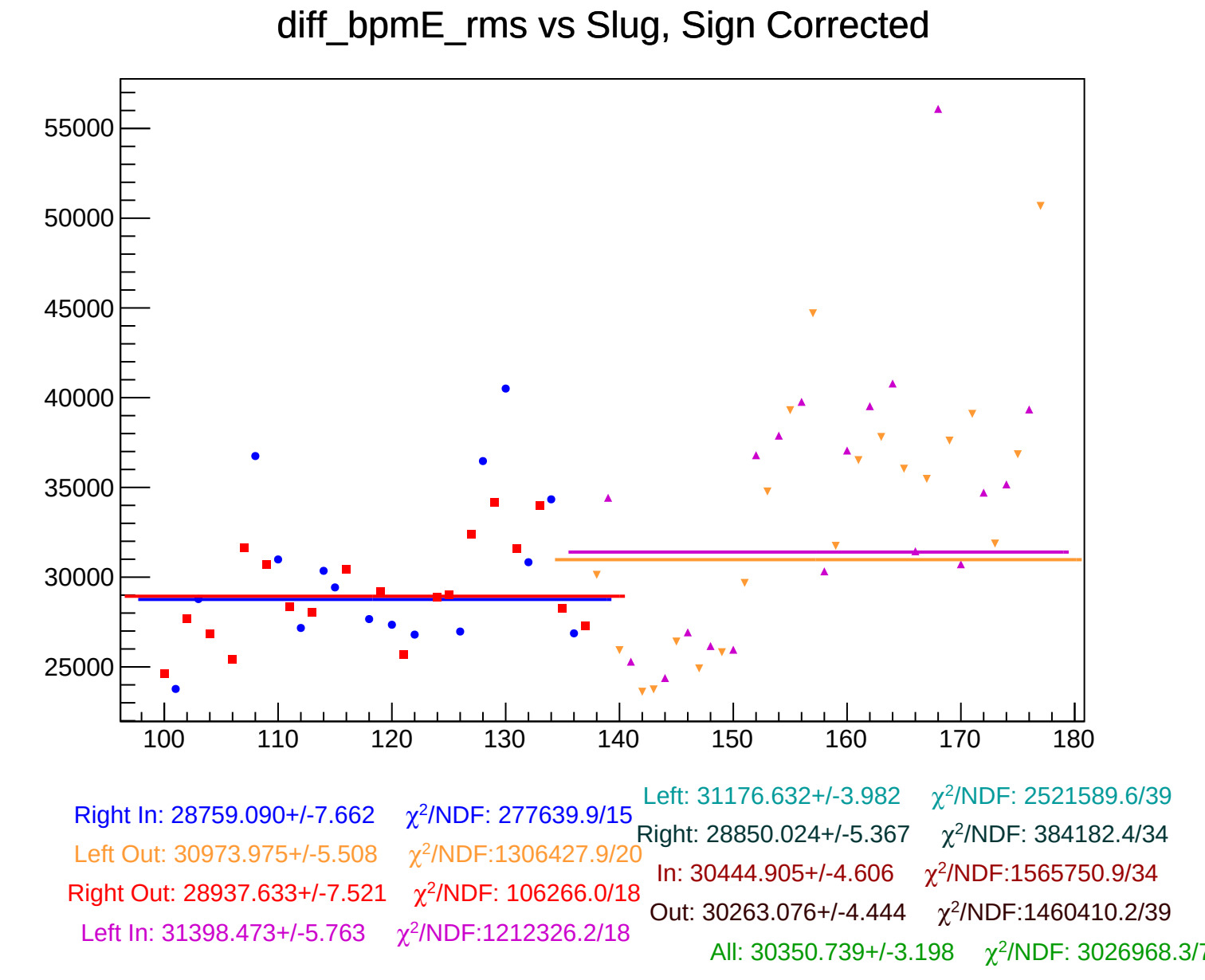
Left: 3.609+/-5.631 χ^2/NDF: 38.0/39

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

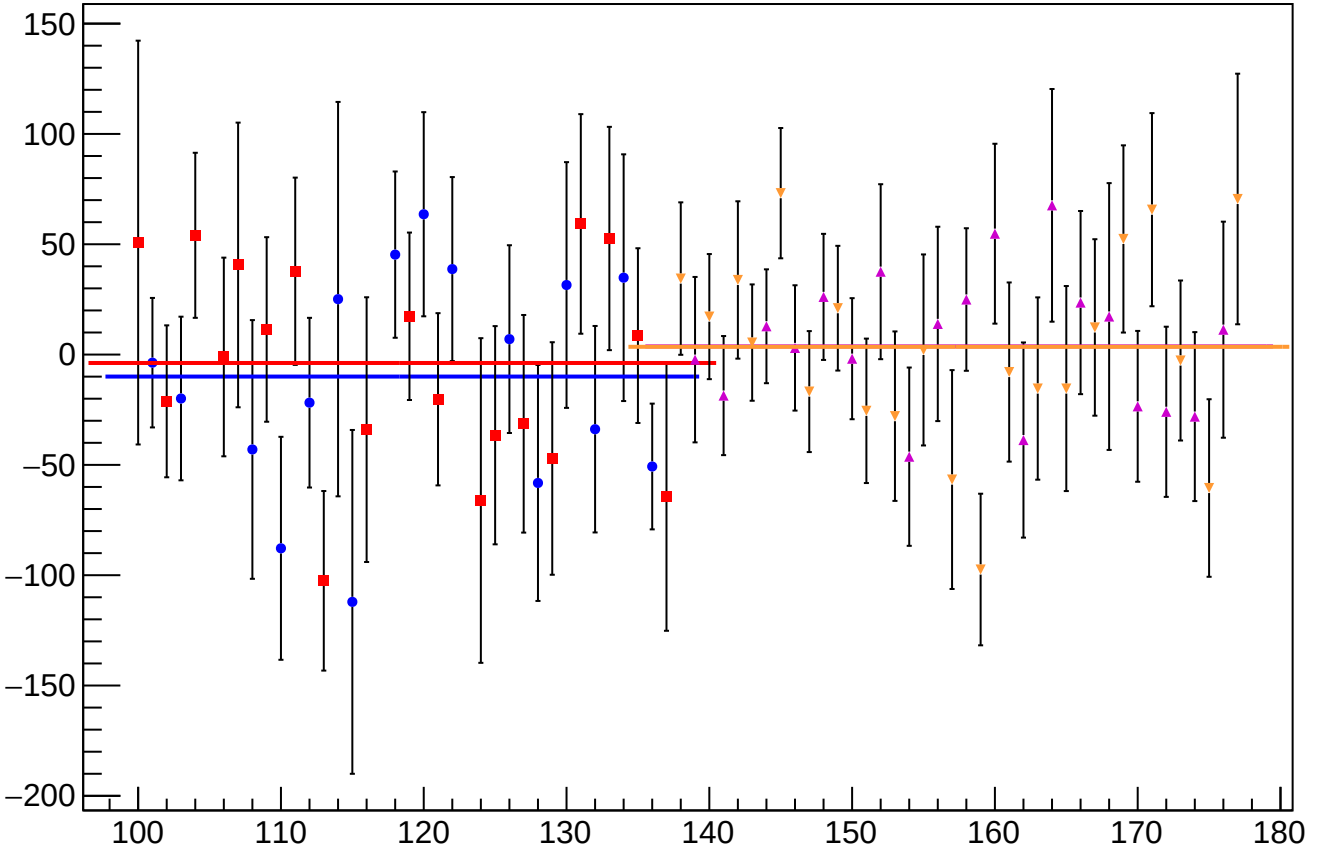
In: -1.232+/-6.513 χ^2/NDF:26.7/34

Out: 0.958+/-6.284 χ^2/NDF:45.2/39

All: -0.098+/-4.523 χ^2/NDF: 72.0/74


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: 30973.975+/-5.508 χ²/NDF:1306427.9/20
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 31398.473+/-5.763 χ²/NDF:1212326.2/18
Left: 31176.632+/-3.982 χ²/NDF: 2521589.6/39
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 30444.905+/-4.606 χ²/NDF:1565750.9/34
Out: 30263.076+/-4.444 χ²/NDF:1460410.2/39
All: 30350.739+/-3.198 χ²/NDF: 3026968.3/7

diff_bpmEX_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 3.518+/-7.790 χ^2/NDF:27.6/20

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 3.710+/-8.150 χ^2/NDF:10.4/18

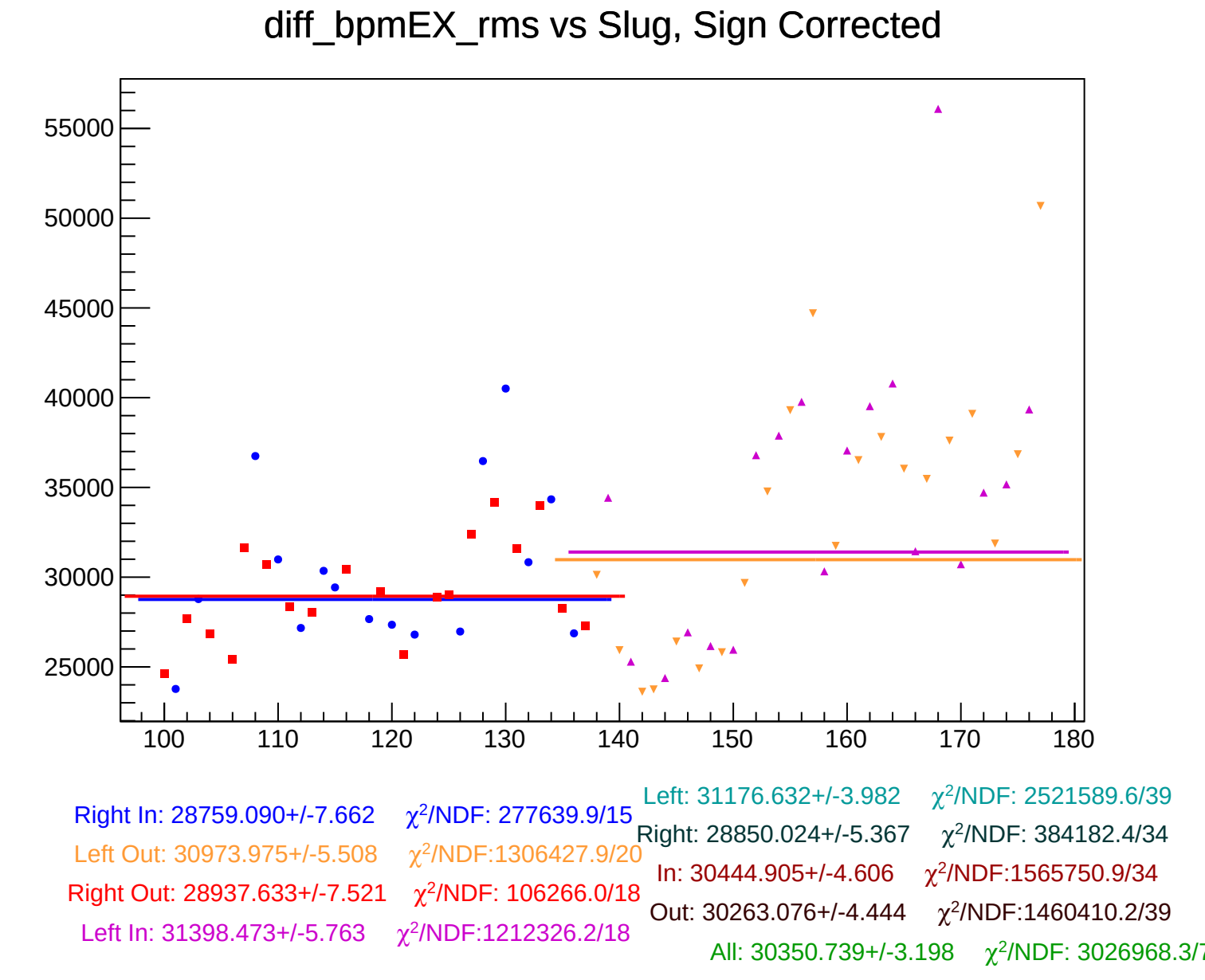
Left: 3.609+/-5.631 χ^2/NDF: 38.0/39

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

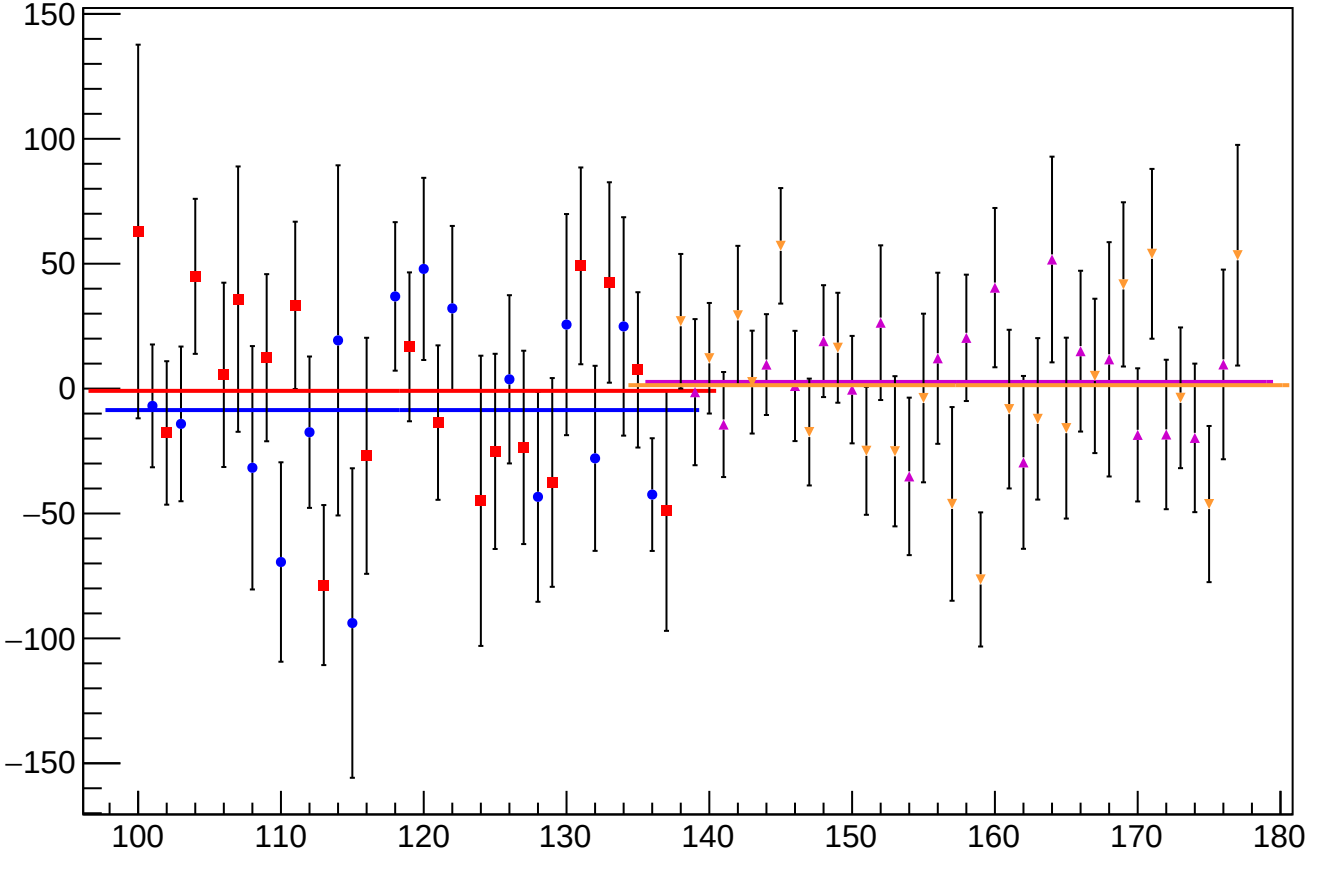
In: -1.232+/-6.513 χ^2/NDF:26.7/34

Out: 0.958+/-6.284 χ^2/NDF:45.2/39

All: -0.098+/-4.523 χ^2/NDF: 72.0/74


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: 30973.975+/-5.508 χ²/NDF:1306427.9/20
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 31398.473+/-5.763 χ²/NDF:1212326.2/18
Left: 31176.632+/-3.982 χ²/NDF: 2521589.6/39
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 30444.905+/-4.606 χ²/NDF:1565750.9/34
Out: 30263.076+/-4.444 χ²/NDF:1460410.2/39
All: 30350.739+/-3.198 χ²/NDF: 3026968.3/7

diff_bpmE_11X12X_mean vs Slug, Sign Corrected



Right In: -8.599+/-8.678 χ^2/NDF: 15.5/15

Left Out: 1.371+/-6.075 χ^2/NDF:29.1/20

Right Out: -0.904+/-8.506 χ^2/NDF: 17.6/18

Left In: 2.667+/-6.358 χ^2/NDF:9.5/18

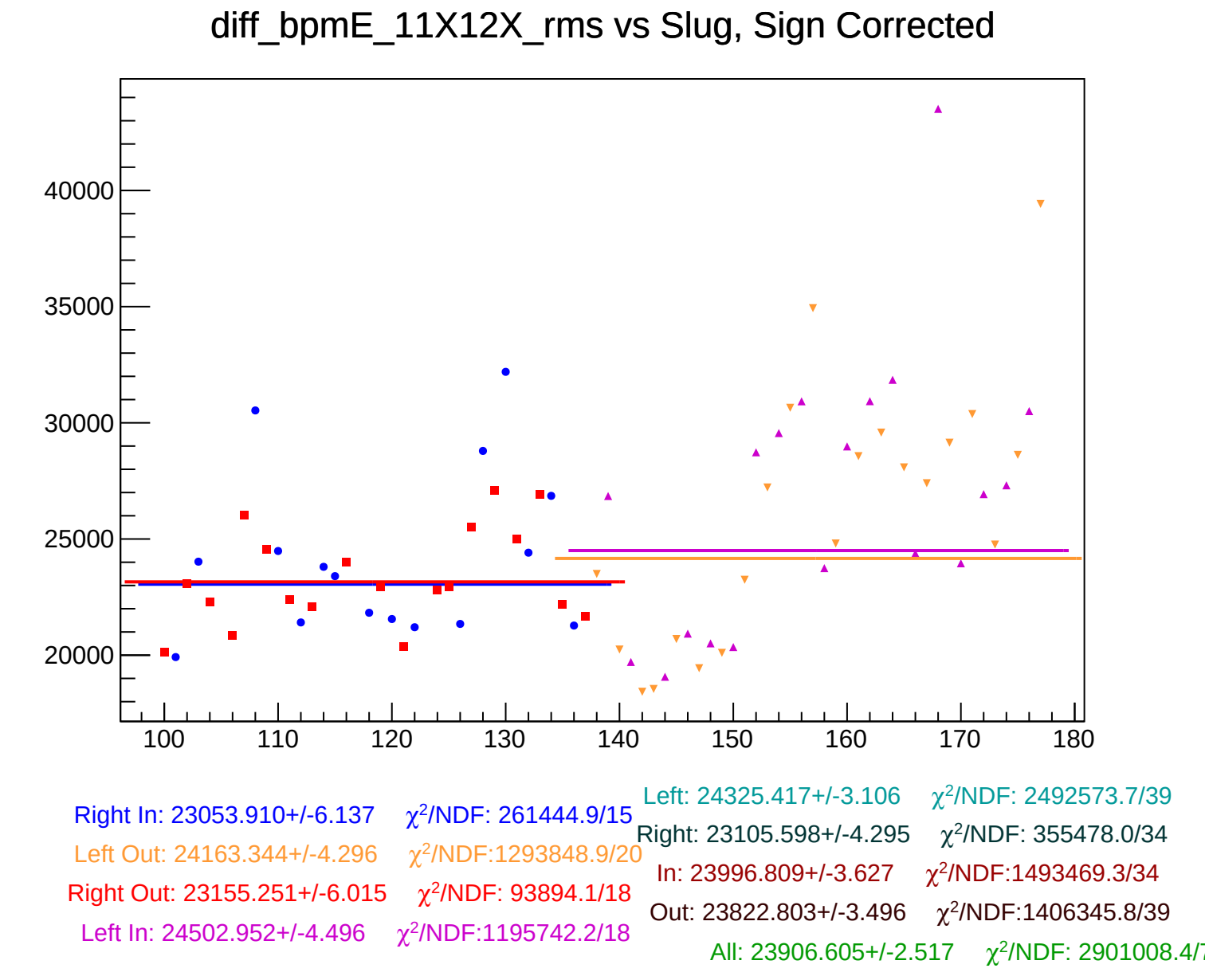
Left: 1.989+/-4.393 χ^2/NDF: 38.6/39

Right: -4.674+/-6.075 χ^2/NDF: 33.5/34

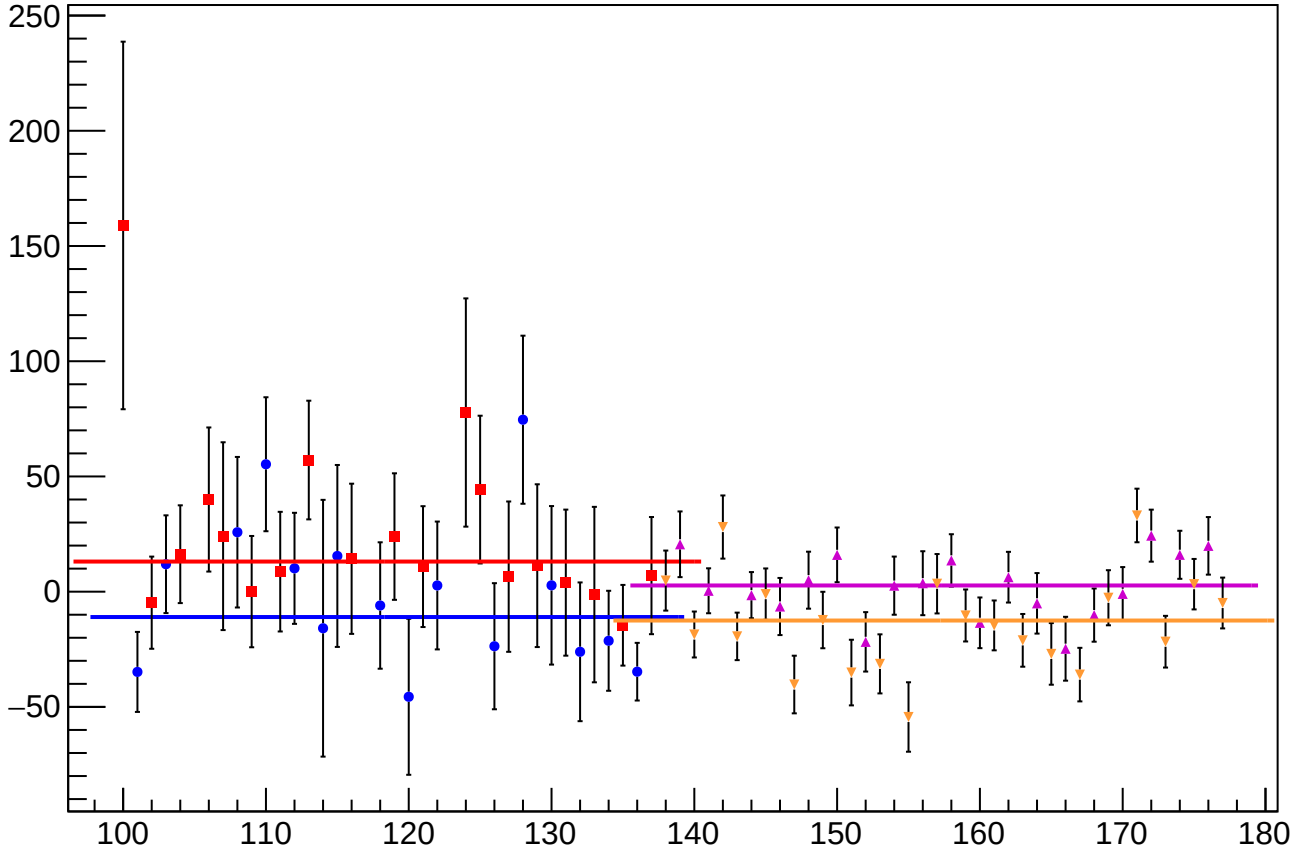
In: -1.268+/-5.129 χ^2/NDF:26.1/34

Out: 0.602+/-4.944 χ^2/NDF:46.7/39

All: -0.299+/-3.559 χ^2/NDF: 72.9/74


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: 24163.344+/-4.296 χ²/NDF:1293848.9/20
Right Out: 23155.251+/-6.015 χ²/NDF: 93894.1/18
Left In: 24502.952+/-4.496 χ²/NDF:1195742.2/18
Left: 24325.417+/-3.106 χ²/NDF: 2492573.7/39
Right: 23105.598+/-4.295 χ²/NDF: 355478.0/34
In: 23996.809+/-3.627 χ²/NDF:1493469.3/34
Out: 23822.803+/-3.496 χ²/NDF:1406345.8/39
All: 23906.605+/-2.517 χ²/NDF: 2901008.4/7

diff_bpm4aesumX_mean vs Slug, Sign Corrected



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -12.517+/-2.589 χ^2/NDF:56.4/20

Right Out: 13.071+/-6.382 χ^2/NDF: 13.9/18

Left In: 2.693+/-2.705 χ^2/NDF:23.2/18

Left: -5.245+/-1.870 χ^2/NDF: 96.2/39

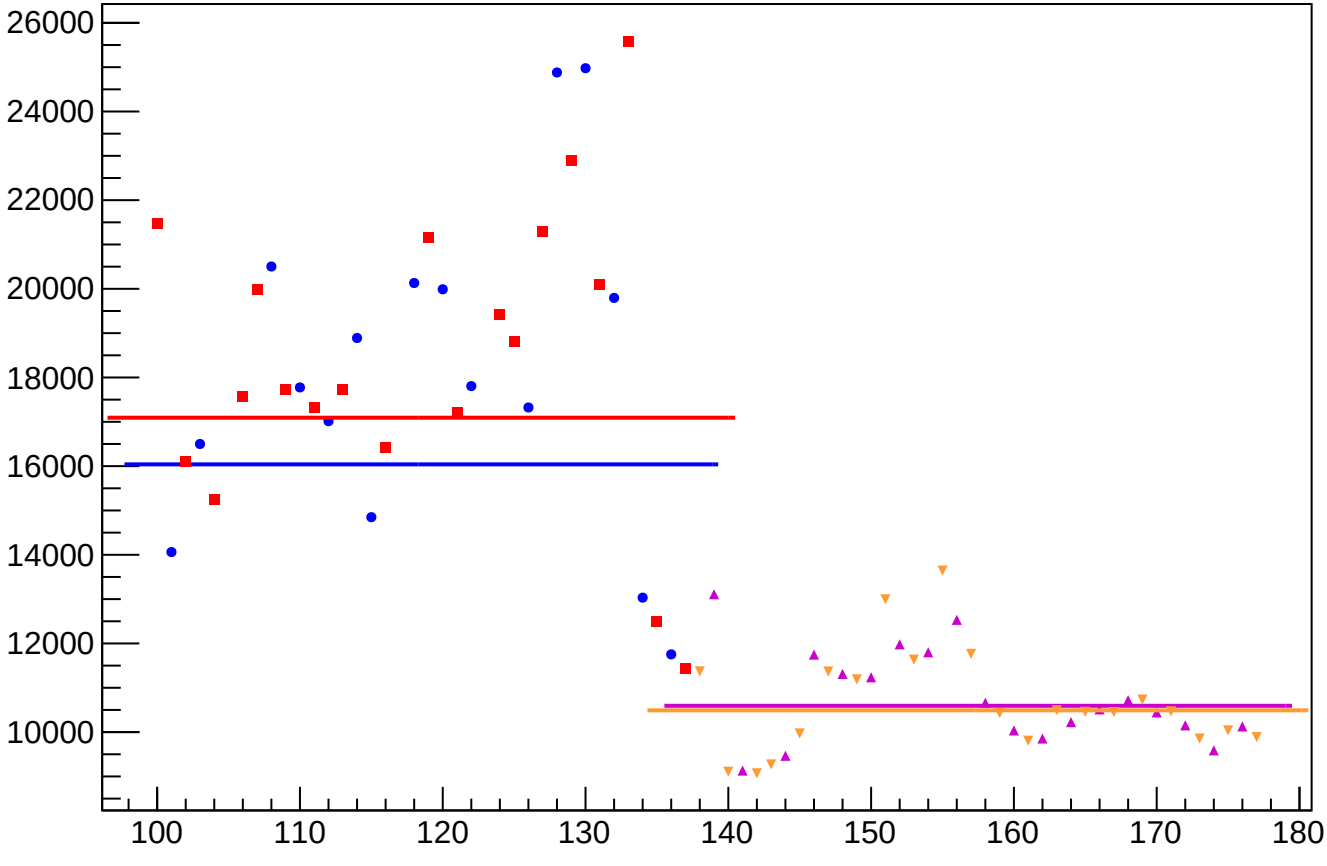
Right: 0.599+/-4.430 χ^2/NDF: 43.3/34

In: 0.476+/-2.476 χ^2/NDF:49.4/34

Out: -8.901+/-2.399 χ^2/NDF:84.1/39

All: -4.361+/-1.723 χ^2/NDF: 140.9/74

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 10491.431+/-1.831 χ^2/NDF:327703.2/20

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

Left In: 10593.894+/-1.913 χ^2/NDF:283873.7/18

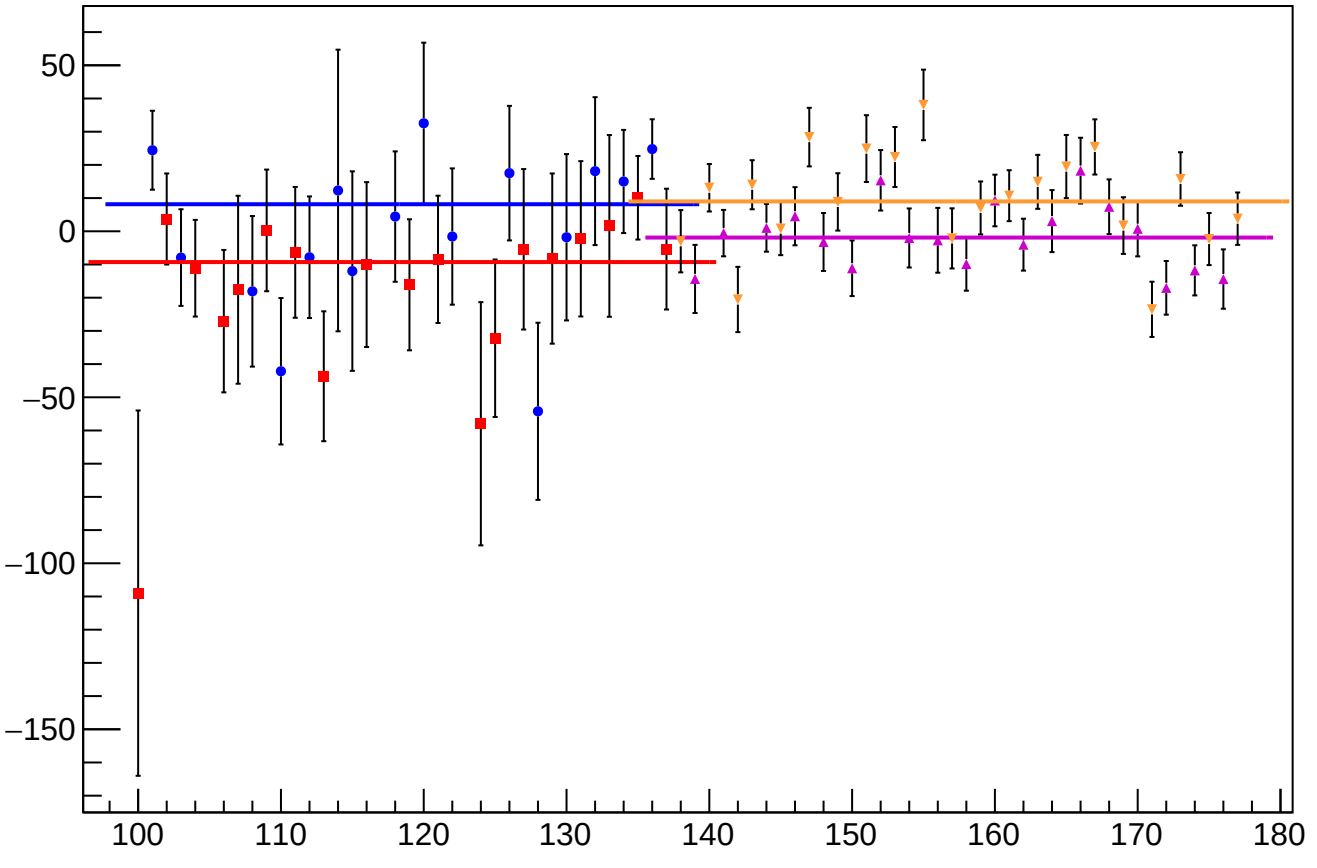
Left: 10540.419+/-1.323 χ^2/NDF: 613074.6/39

Right: 16547.306+/-3.133 χ^2/NDF: 1286331.2/34

In: 11475.501+/-1.751 χ^2/NDF:2318983.7/34

Out: 11424.296+/-1.696 χ^2/NDF:2700602.2/39

All: 11449.087+/-1.218 χ^2/NDF: 5020027.0/7



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 8.997+/-1.845 χ^2/NDF:56.0/20

Right Out: -9.270+/-4.607 χ^2/NDF: 13.9/18

Left In: -1.890+/-1.926 χ^2/NDF:23.1/18

Left: 3.788+/-1.332 χ^2/NDF: 95.8/39

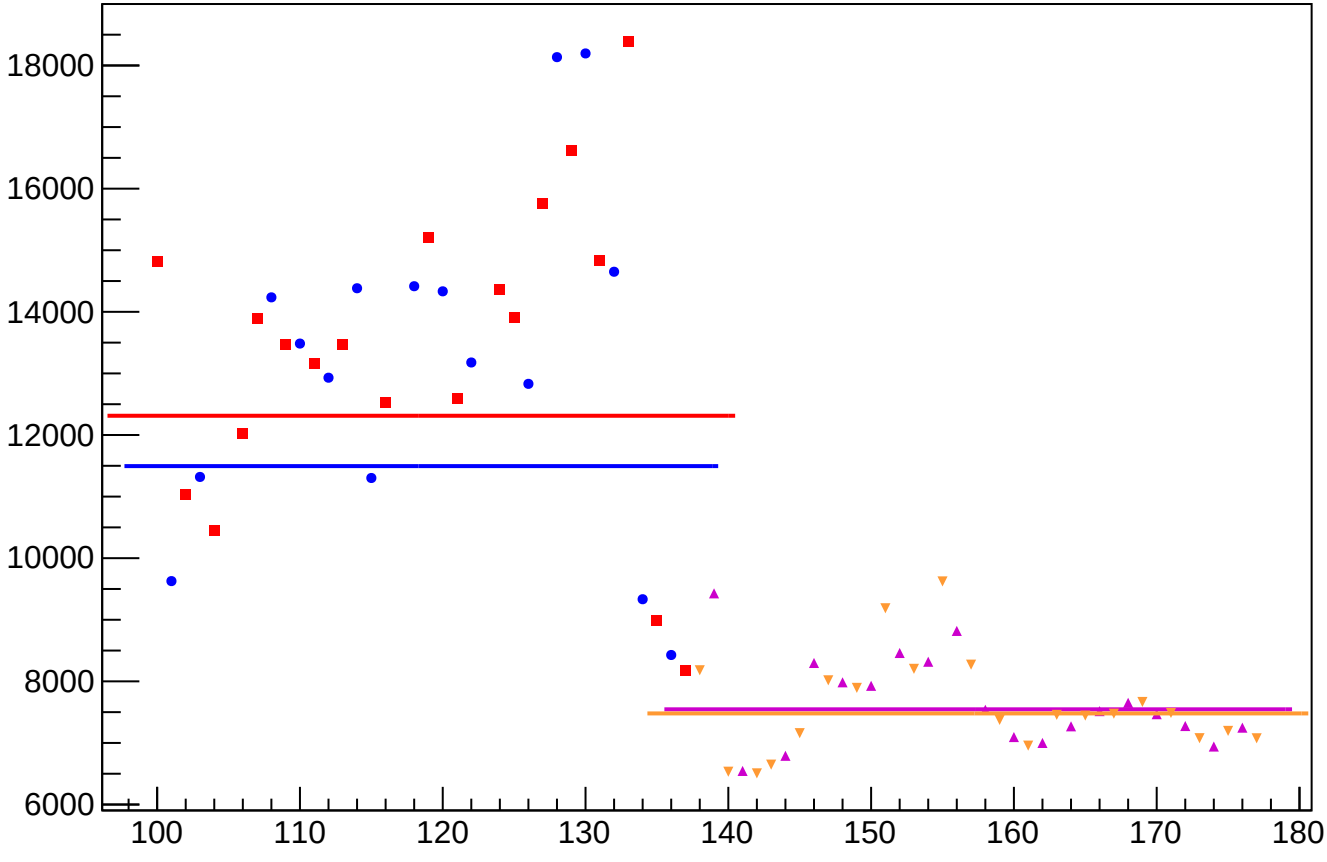
Right: -0.204+/-3.191 χ^2/NDF: 43.1/34

In: -0.289+/-1.766 χ^2/NDF:49.3/34

Out: 6.473+/-1.713 χ^2/NDF:83.4/39

All: 3.195+/-1.229 χ^2/NDF: 140.2/74

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7479.179+/-1.304 χ^2/NDF:296880.3/20

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

Left In: 7545.921+/-1.362 χ^2/NDF:259734.5/18

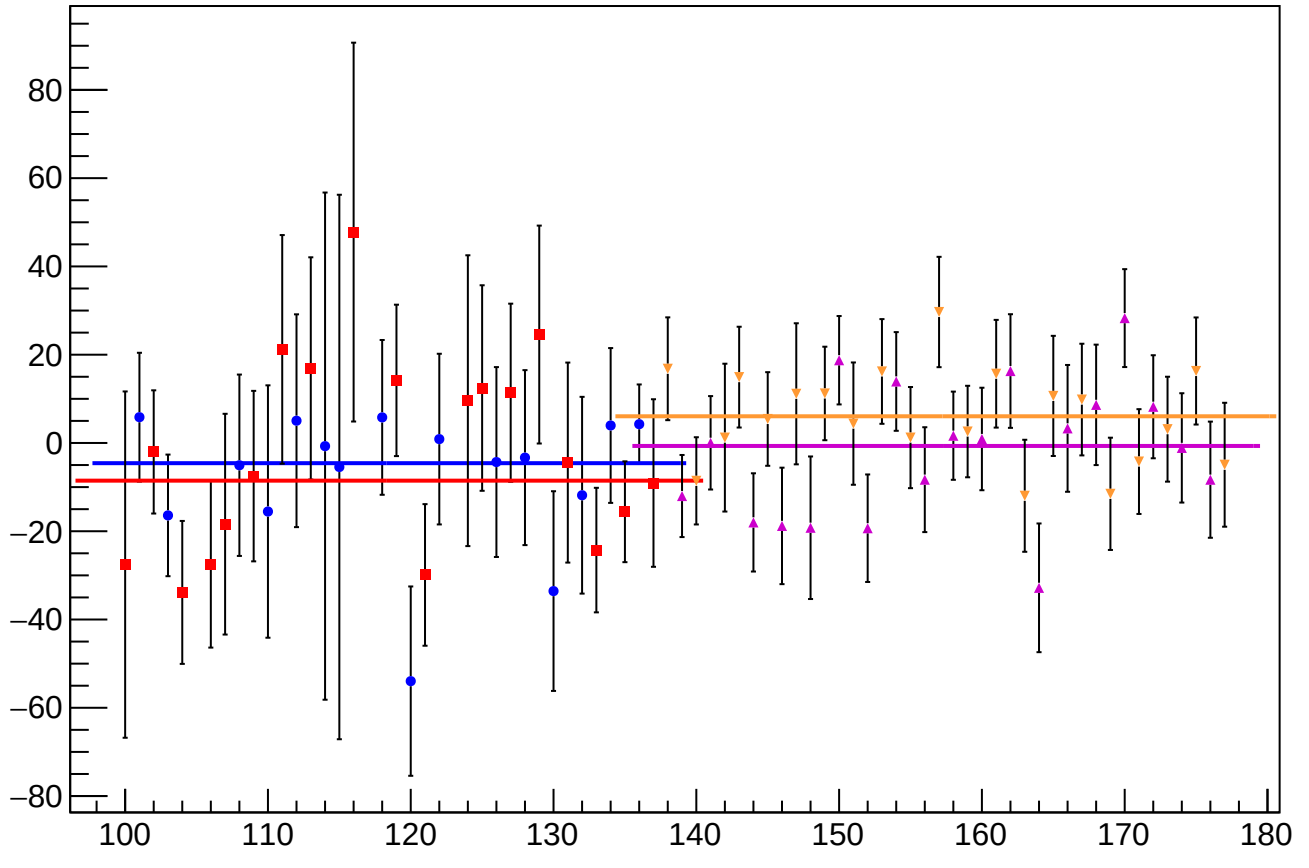
Left: 7511.113+/-0.942 χ^2/NDF: 557867.4/39

Right: 11887.075+/-2.256 χ^2/NDF: 1421522.1/34

In: 8175.400+/-1.249 χ^2/NDF:2390029.8/34

Out: 8146.999+/-1.211 χ^2/NDF:2792697.8/39

All: 8160.764+/-0.869 χ^2/NDF: 5182994.3/74



Right In: -4.578+/-4.554 χ^2/NDF: 10.2/15

Left Out: 6.047+/-2.644 χ^2/NDF:15.6/20

Right Out: -8.537+/-4.392 χ^2/NDF: 17.2/18

Left In: -0.676+/-2.711 χ^2/NDF:30.3/18

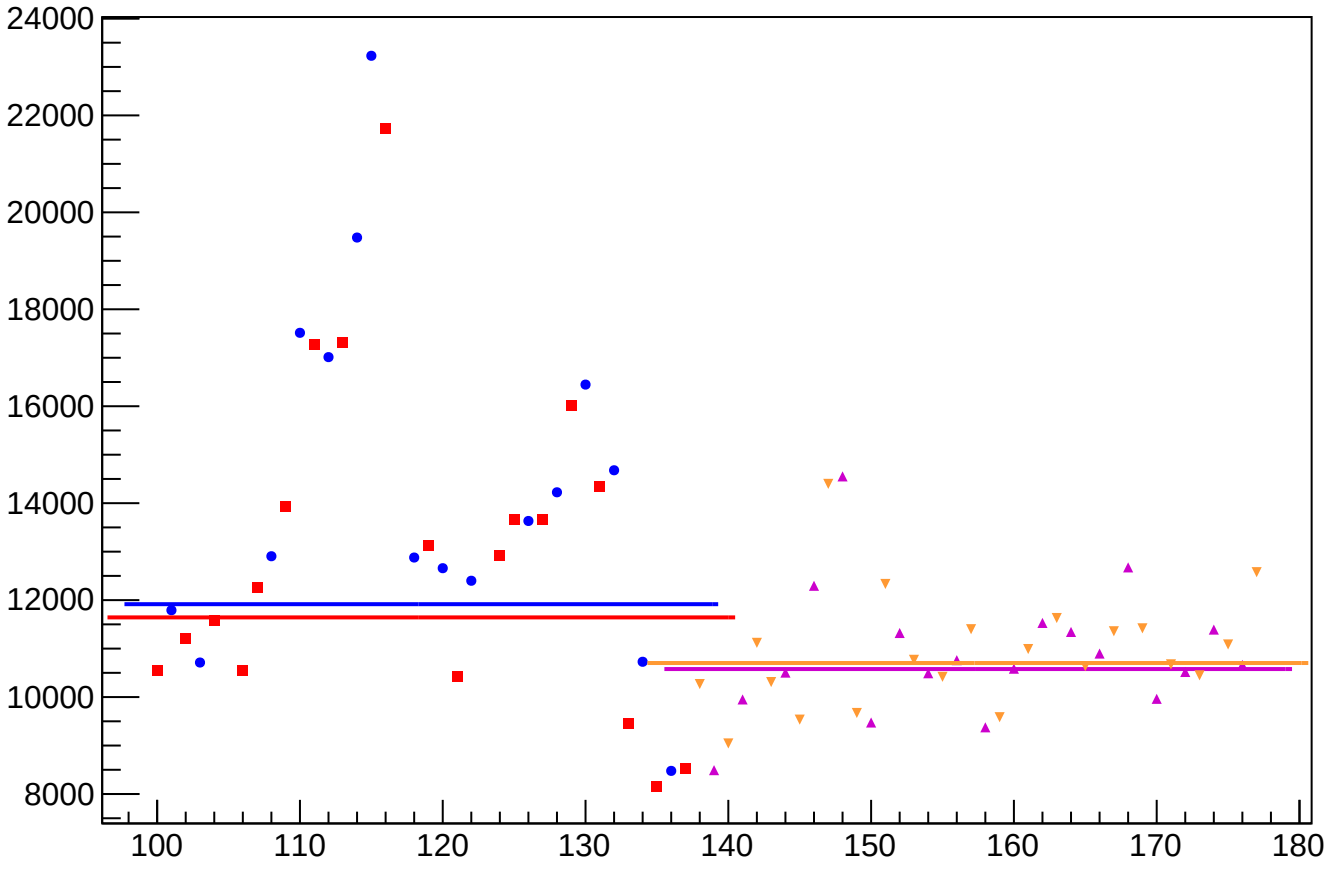
Left: 2.769+/-1.893 χ^2/NDF: 49.0/39

Right: -6.629+/-3.161 χ^2/NDF: 27.8/34

In: -1.697+/-2.329 χ^2/NDF:41.1/34

Out: 2.167+/-2.265 χ^2/NDF:40.8/39

All: 0.289+/-1.624 χ^2/NDF: 83.3/74



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10702.605+/-1.870 χ^2/NDF:333524.5/20

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

Left In: 10578.062+/-1.917 χ^2/NDF:403552.8/18

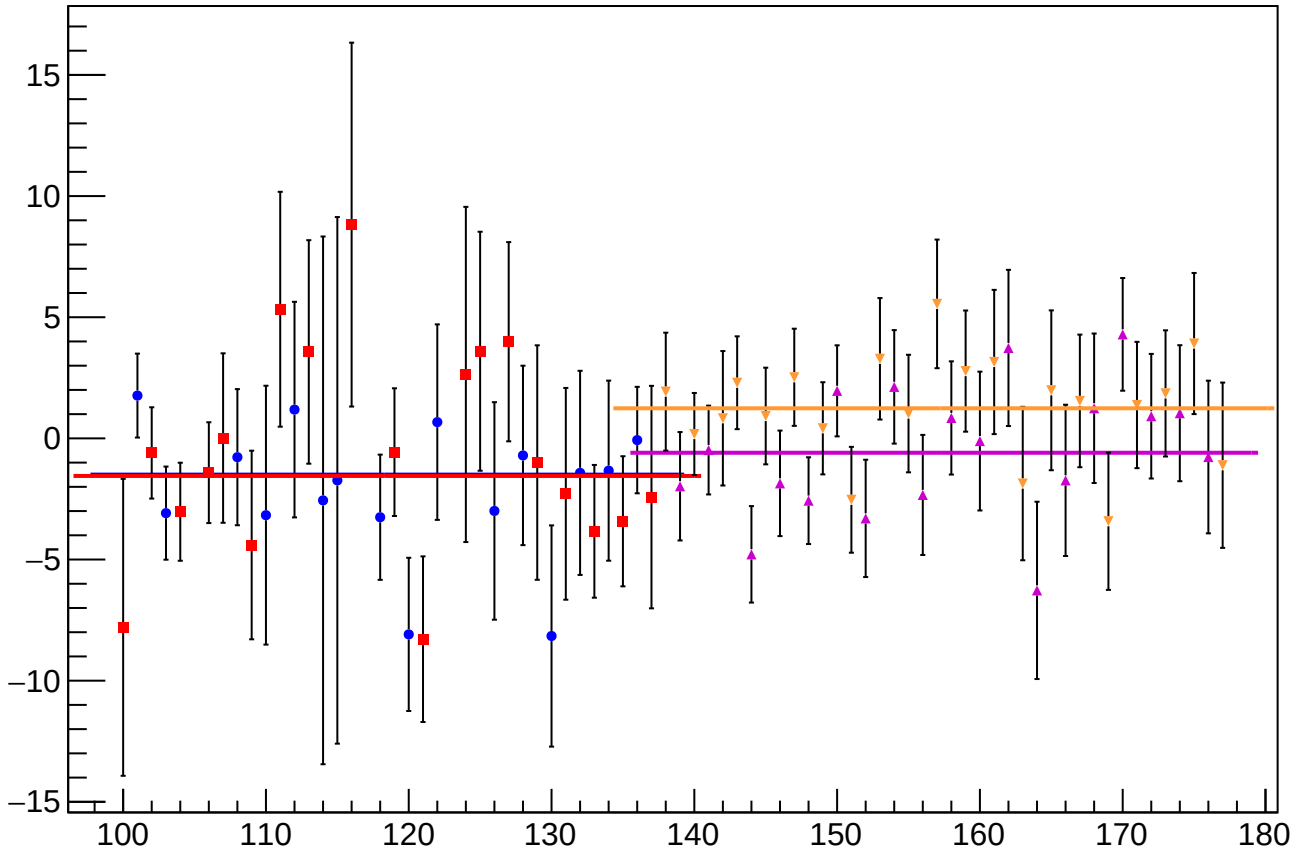
Left: 10641.879+/-1.338 χ^2/NDF: 739240.4/39

Right: 11775.058+/-2.235 χ^2/NDF: 1543851.0/34

In: 10928.199+/-1.647 χ^2/NDF:1280857.4/34

Out: 10952.951+/-1.602 χ^2/NDF:1191261.8/39

All: 10940.919+/-1.148 χ^2/NDF: 2472235.3/7



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.242+/-0.527 χ^2/NDF:13.6/20

Right Out: -1.551+/-0.745 χ^2/NDF: 16.3/18

Left In: -0.593+/-0.549 χ^2/NDF:21.5/18

Left: 0.361+/-0.380 χ^2/NDF: 41.0/39

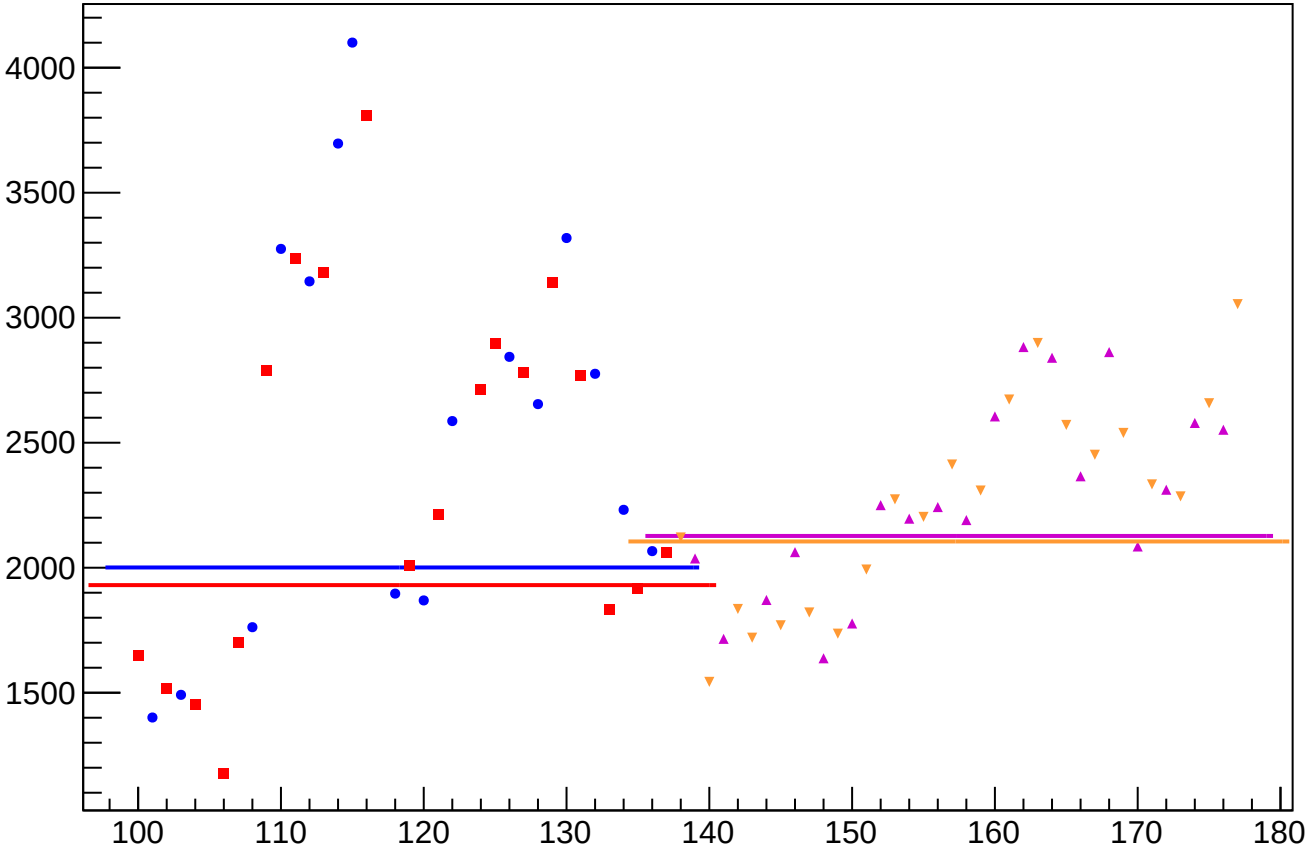
Right: -1.525+/-0.538 χ^2/NDF: 28.9/34

In: -0.893+/-0.449 χ^2/NDF:35.0/34

Out: 0.309+/-0.430 χ^2/NDF:39.3/39

All: -0.267+/-0.311 χ^2/NDF: 78.0/74

diff_bpm4aediffY_rms vs Slug, Sign Corrected



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 2105.040+/-0.373 χ^2/NDF:1118214.9/20

Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

Left In: 2127.101+/-0.388 χ^2/NDF:836619.2/18

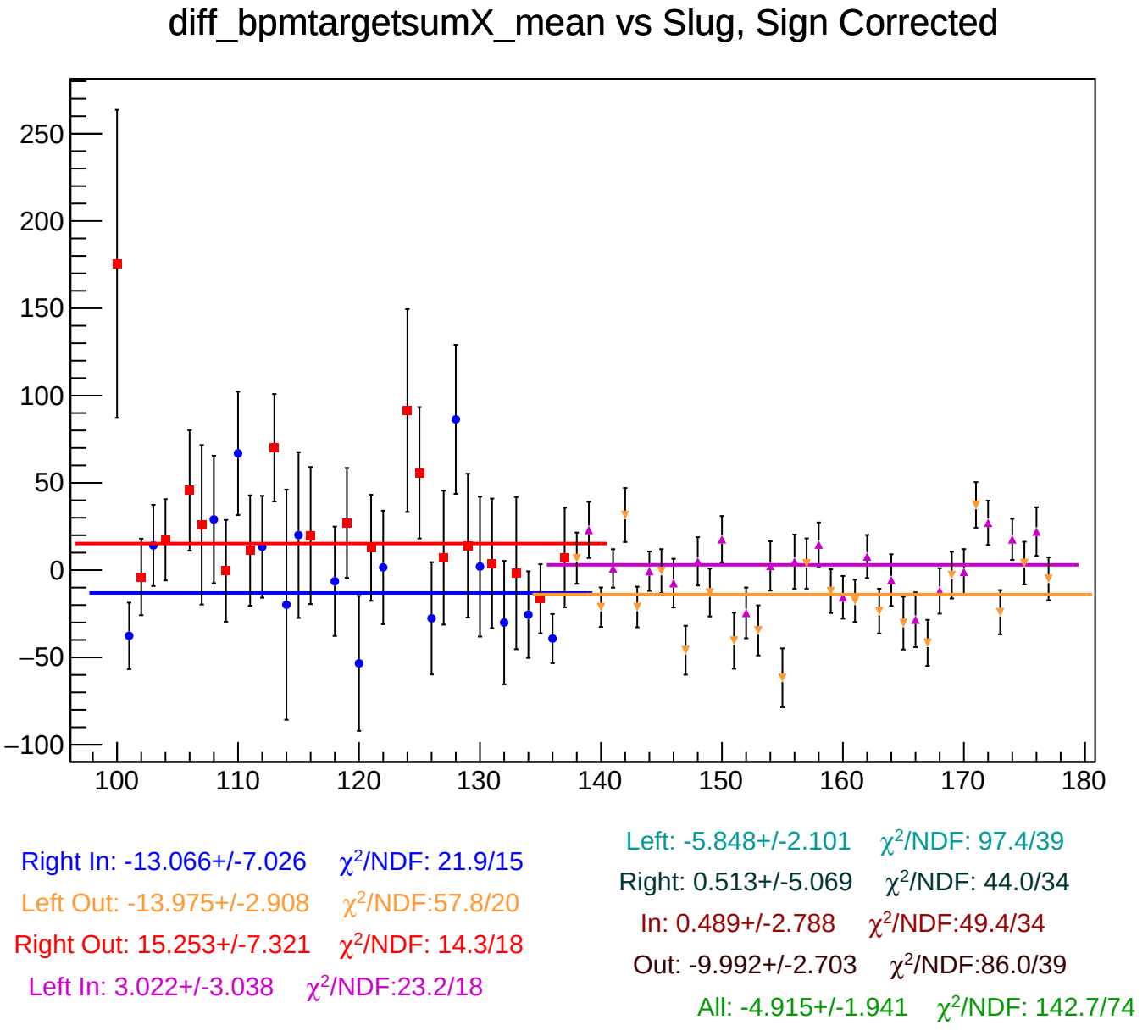
Left: 2115.626+/-0.269 χ^2/NDF: 1956514.5/39

Right: 1964.155+/-0.380 χ^2/NDF: 2601922.6/34

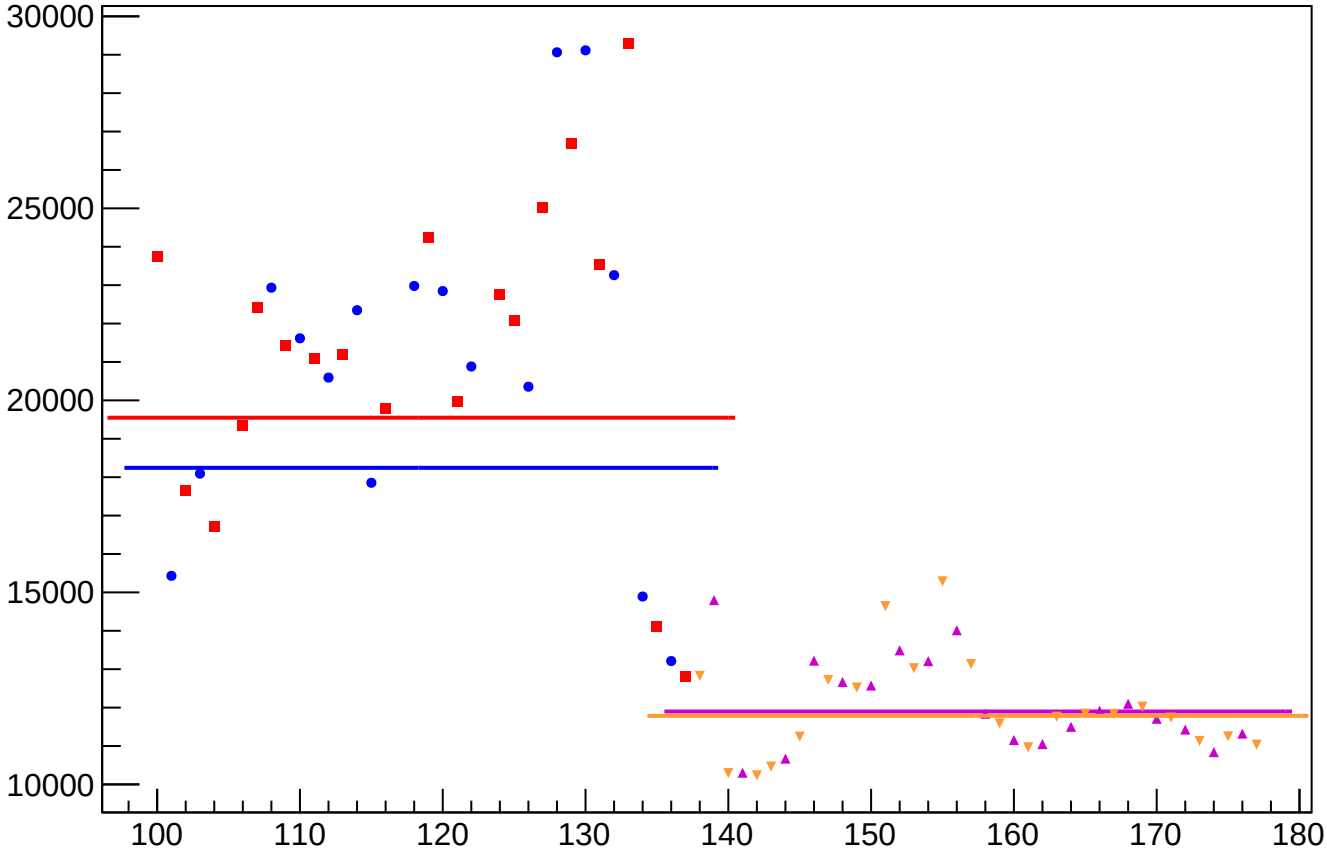
In: 2085.210+/-0.317 χ^2/NDF:2061468.6/34

Out: 2046.726+/-0.304 χ^2/NDF:2595030.3/39

All: 2065.167+/-0.220 χ^2/NDF: 4664166.1/74


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: -13.975+/-2.908 χ²/NDF:57.8/20
Right Out: 15.253+/-7.321 χ²/NDF: 14.3/18
Left In: 3.022+/-3.038 χ²/NDF:23.2/18
Left: -5.848+/-2.101 χ²/NDF: 97.4/39
Right: 0.513+/-5.069 χ²/NDF: 44.0/34
In: 0.489+/-2.788 χ²/NDF:49.4/34
Out: -9.992+/-2.703 χ²/NDF:86.0/39
All: -4.915+/-1.941 χ²/NDF: 142.7/74

diff_bpmtargetsumX_rms vs Slug, Sign Corrected



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 11785.931+/-2.056 χ^2/NDF:318300.2/20

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

Left In: 11898.404+/-2.148 χ^2/NDF:279816.1/18

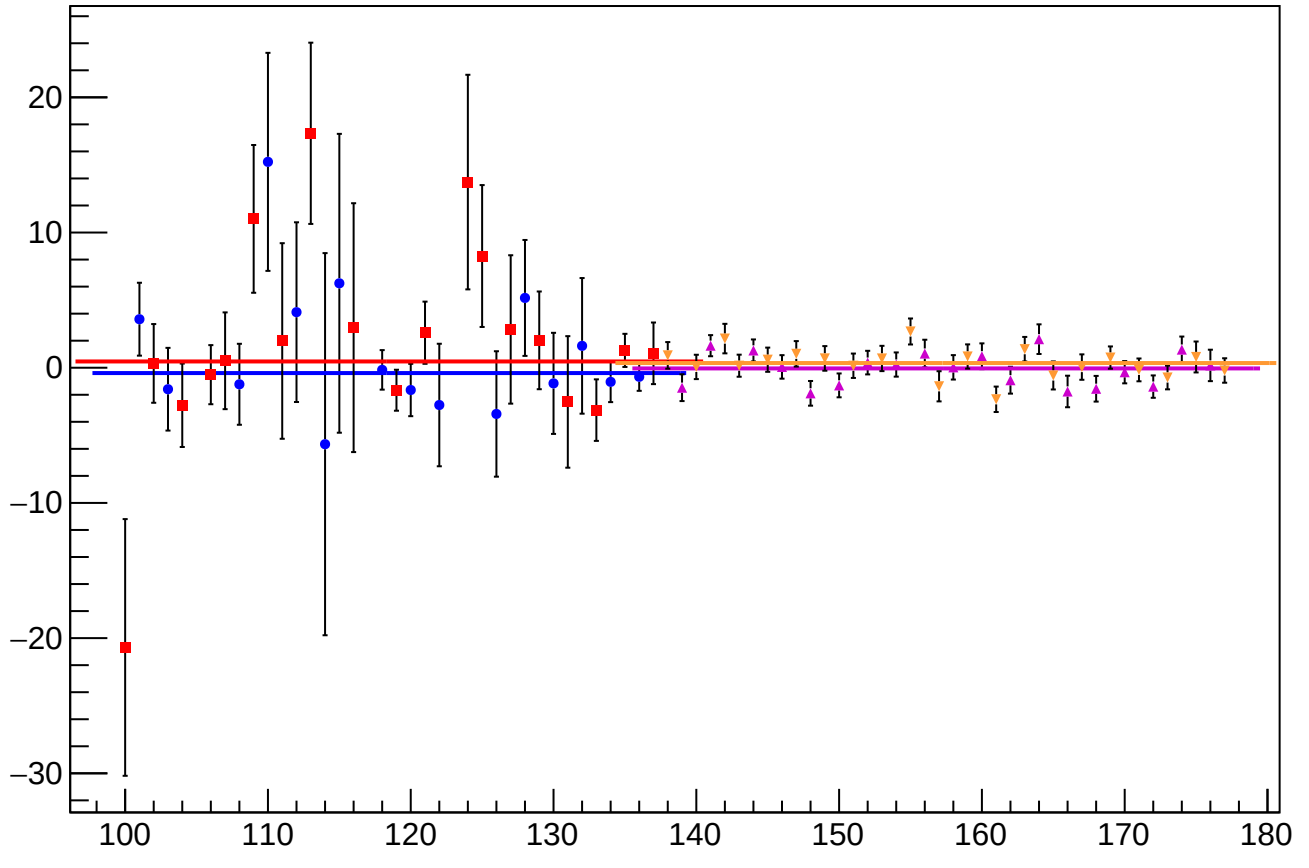
Left: 11839.711+/-1.485 χ^2/NDF: 599546.9/39

Right: 18869.124+/-3.585 χ^2/NDF: 1474629.7/34

In: 12897.672+/-1.972 χ^2/NDF:2473673.5/34

Out: 12843.840+/-1.911 χ^2/NDF:2882247.3/39

All: 12869.914+/-1.372 χ^2/NDF: 5356305.2/7



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.347+/-0.203 χ^2/NDF:25.6/20

Right Out: 0.464+/-0.634 χ^2/NDF: 28.0/18

Left In: -0.052+/-0.212 χ^2/NDF:32.1/18

Left: 0.156+/-0.147 χ^2/NDF: 59.6/39

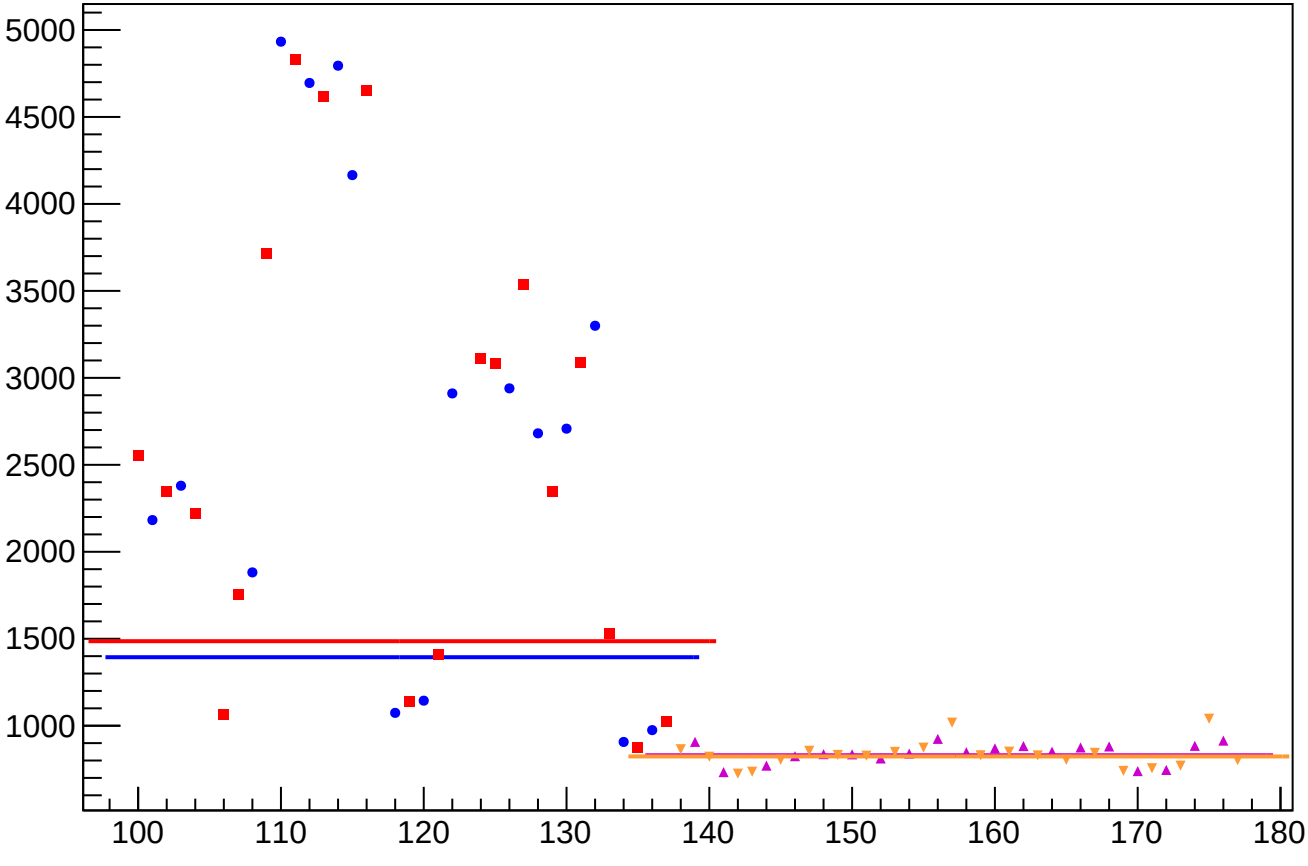
Right: 0.011+/-0.436 χ^2/NDF: 39.4/34

In: -0.090+/-0.200 χ^2/NDF:42.8/34

Out: 0.358+/-0.193 χ^2/NDF:53.7/39

All: 0.141+/-0.139 χ^2/NDF: 99.1/74

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 823.356+/-0.144 χ^2/NDF:231597.3/20

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

Left In: 830.367+/-0.150 χ^2/NDF:153373.0/18

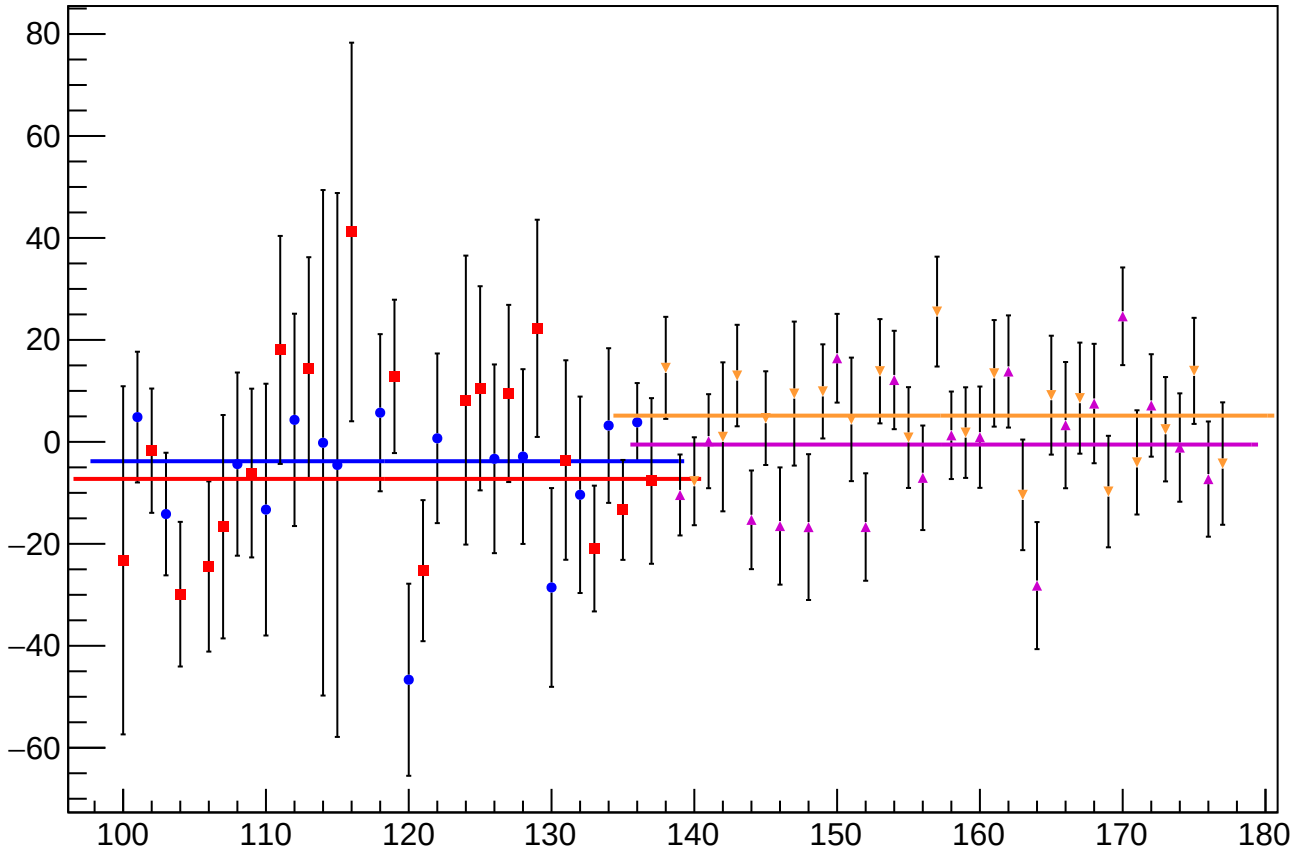
Left: 826.711+/-0.104 χ^2/NDF: 386111.9/39

Right: 1437.438+/-0.308 χ^2/NDF: 6802082.3/34

In: 892.850+/-0.141 χ^2/NDF:5102411.9/34

Out: 884.987+/-0.137 χ^2/NDF:5612607.3/39

All: 888.788+/-0.098 χ^2/NDF: 10716619.1/74



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 5.149+/-2.284 χ^2/NDF:15.8/20

Right Out: -7.264+/-3.807 χ^2/NDF: 17.3/18

Left In: -0.526+/-2.338 χ^2/NDF:30.5/18

Left: 2.378+/-1.634 χ^2/NDF: 49.3/39

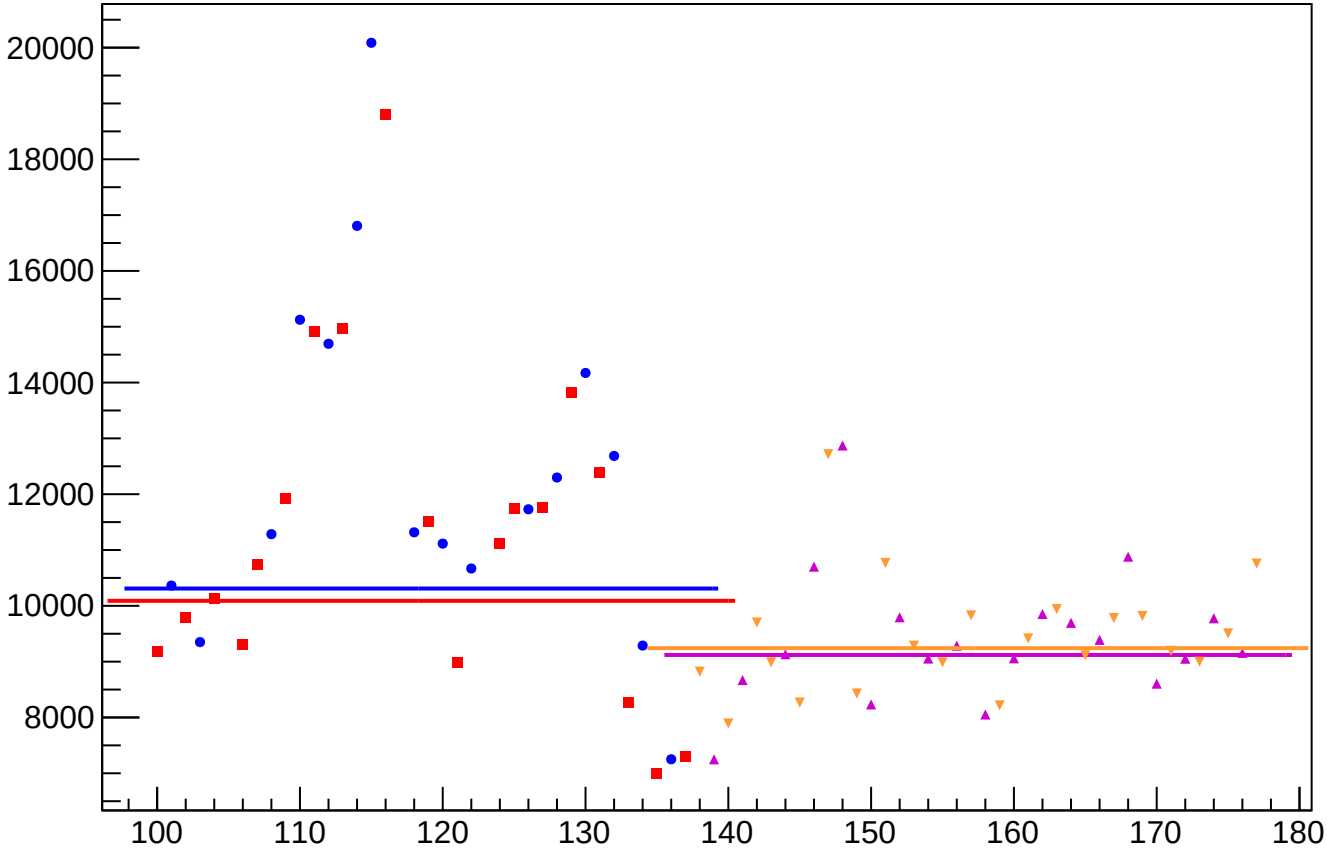
Right: -5.590+/-2.739 χ^2/NDF: 27.7/34

In: -1.377+/-2.011 χ^2/NDF:41.0/34

Out: 1.864+/-1.958 χ^2/NDF:40.8/39

All: 0.287+/-1.403 χ^2/NDF: 83.2/74

diff_bpmtargetsumY_rms vs Slug, Sign Corrected



Right In: 10309.969+/-2.788 χ^2/NDF: 770518.2/15

Left Out: 9242.032+/-1.615 χ^2/NDF:334265.5/20

Right Out: 10089.584+/-2.692 χ^2/NDF: 792788.1/18

Left In: 9119.715+/-1.653 χ^2/NDF:424595.7/18

Left: 9182.315+/-1.155 χ^2/NDF: 761662.4/39

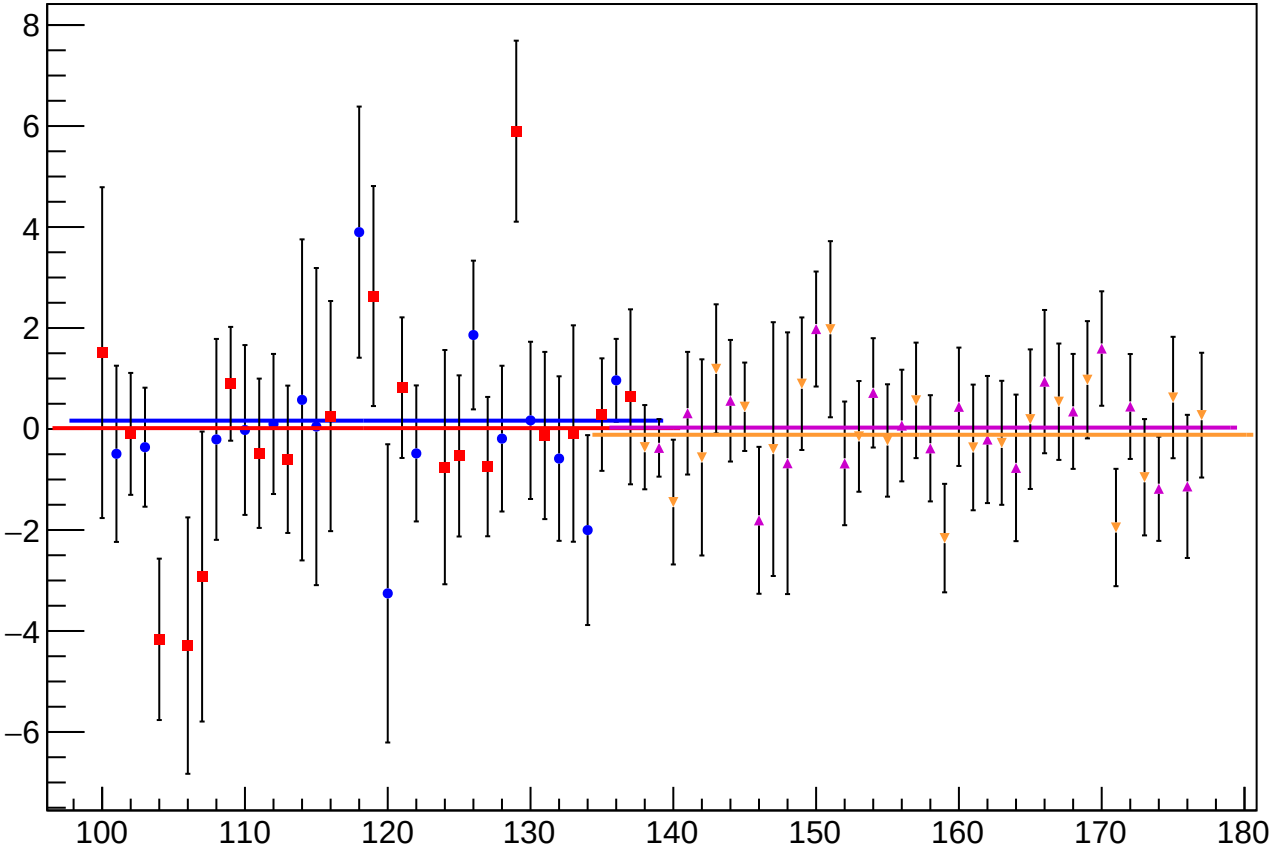
Right: 10195.906+/-1.937 χ^2/NDF: 1566539.8/34

In: 9429.355+/-1.422 χ^2/NDF:1329942.2/34

Out: 9466.314+/-1.385 χ^2/NDF:1199952.2/39

All: 9448.326+/-0.992 χ^2/NDF: 2530241.0/74

diff_bpmtargetdiffY_mean vs Slug, Sign Corrected



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: -0.114+/-0.260 χ^2/NDF:13.6/20

Right Out: 0.017+/-0.372 χ^2/NDF: 25.2/18

Left In: 0.028+/-0.255 χ^2/NDF:11.3/18

Left: -0.042+/-0.182 χ^2/NDF: 25.1/39

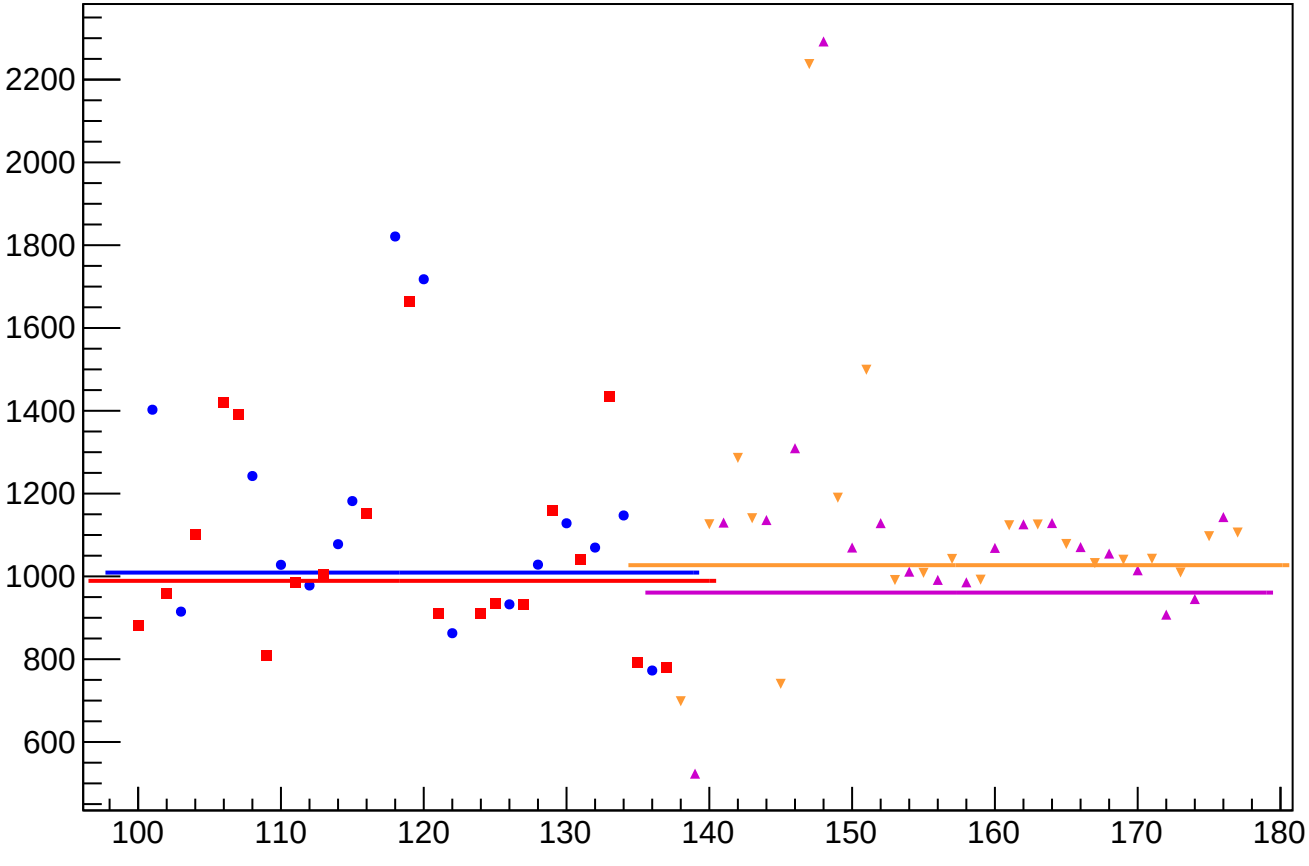
Right: 0.089+/-0.268 χ^2/NDF: 33.4/34

In: 0.070+/-0.213 χ^2/NDF:19.5/34

Out: -0.071+/-0.213 χ^2/NDF:38.9/39

All: -0.001+/-0.151 χ^2/NDF: 58.6/74

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 1027.090+/-0.184 χ^2/NDF:1279075.5/20

Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 960.850+/-0.181 χ^2/NDF:2109947.5/18

Left: 993.377+/-0.129 χ^2/NDF: 3455036.8/39

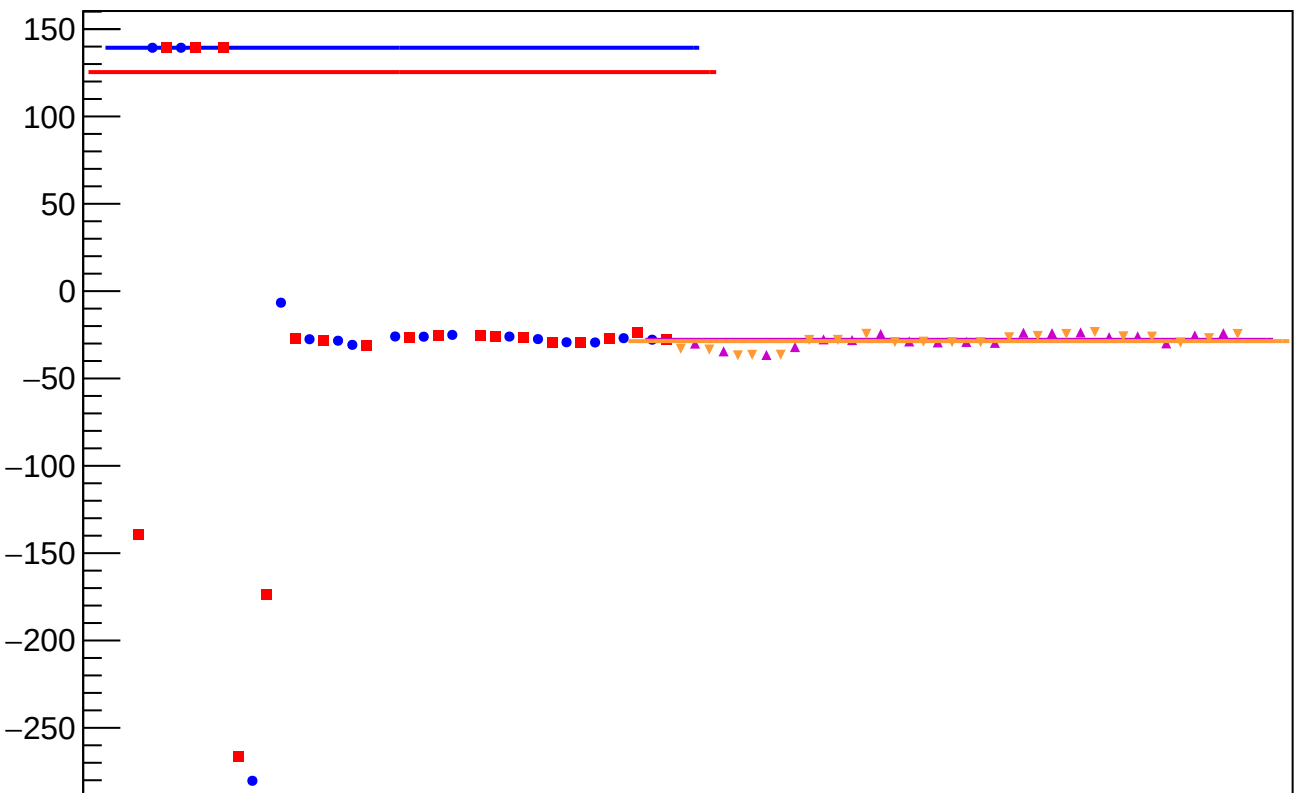
Right: 998.863+/-0.190 χ^2/NDF: 1277836.8/34

In: 975.570+/-0.151 χ^2/NDF:2831066.5/34

Out: 1014.673+/-0.151 χ^2/NDF:1868725.5/39

All: 995.111+/-0.107 χ^2/NDF: 4733446.6/74

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 139.337+/-0.000 χ^2/NDF: 47088045550.1/15

Left Out: -28.623+/-0.000 χ^2/NDF:148215539.4/20

Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

Left In: -27.868+/-0.000 χ^2/NDF:112346880.6/18

Left: -28.259+/-0.000 χ^2/NDF: 262809847.5/39

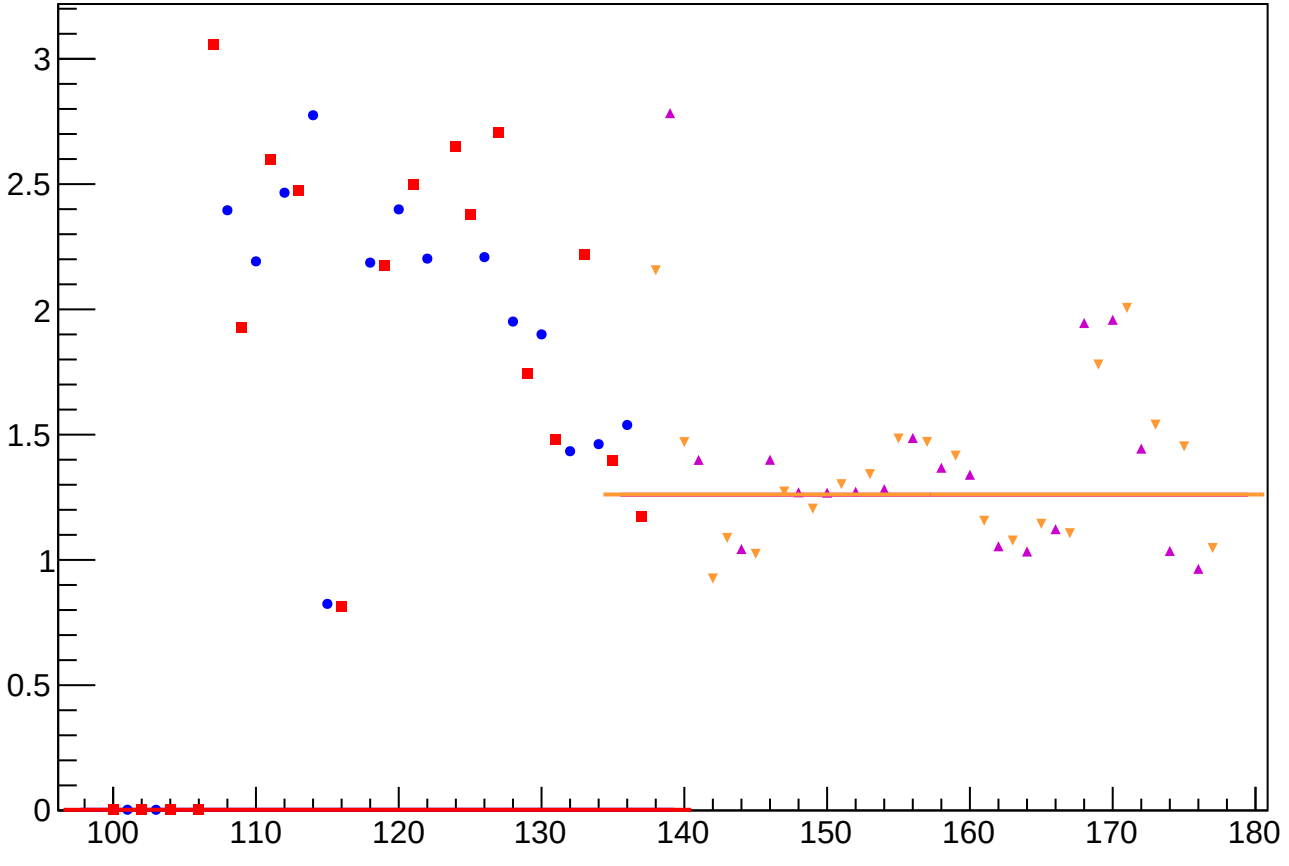
Right: 131.818+/-0.000 χ^2/NDF: 793004999492497

In: 139.330+/-0.000 χ^2/NDF:259867346193.2/34

Out: 125.386+/-0.000 χ^2/NDF:774367167021854.

All: 131.812+/-0.000 χ^2/NDF: 793409649197

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.261+/-0.000 χ^2/NDF:1015563.1/20

Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.260+/-0.000 χ^2/NDF:1269749.1/18

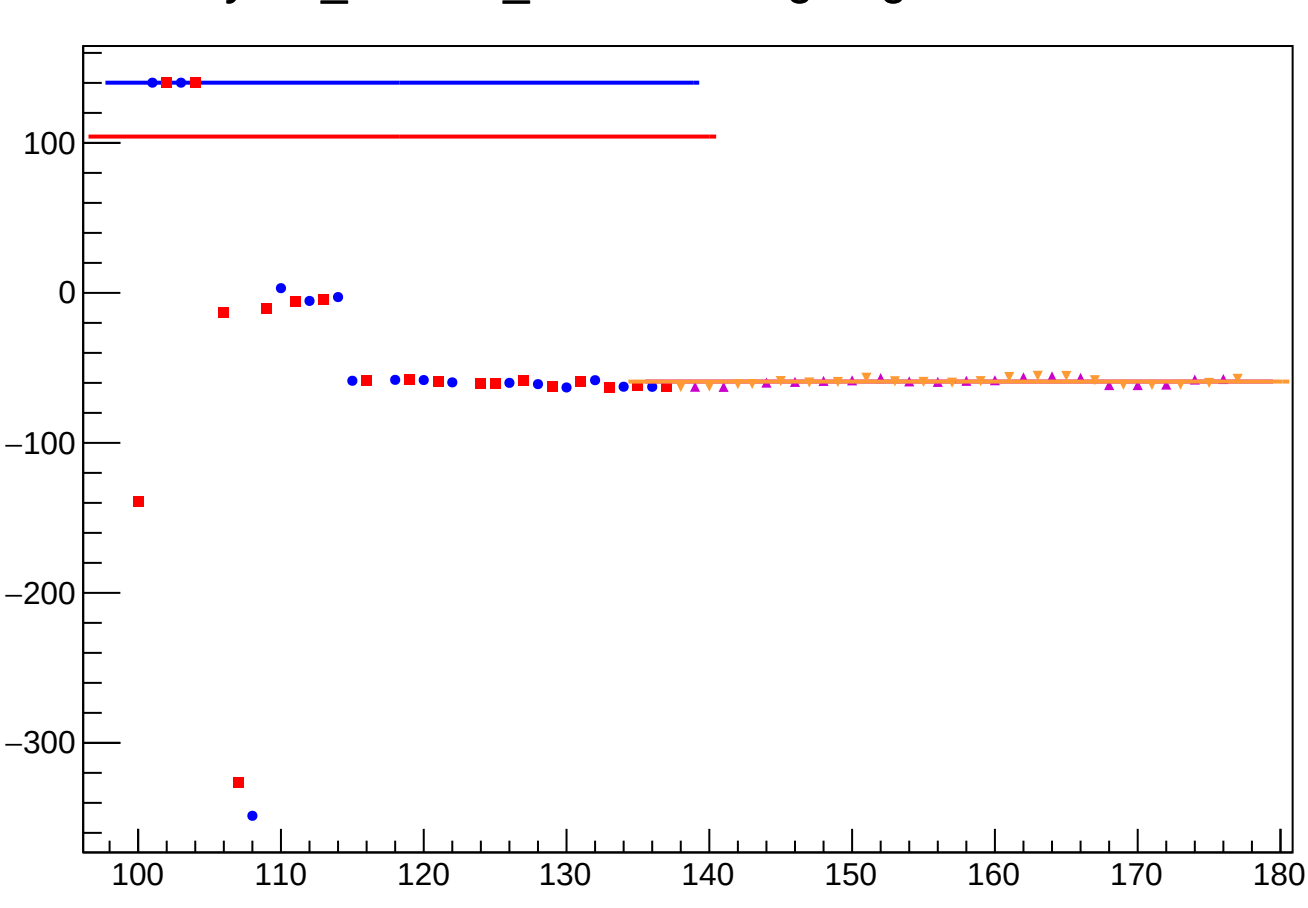
Left: 1.261+/-0.000 χ^2/NDF: 2285322.8/39

Right: 0.003+/-0.000 χ^2/NDF: 19299624.2/34

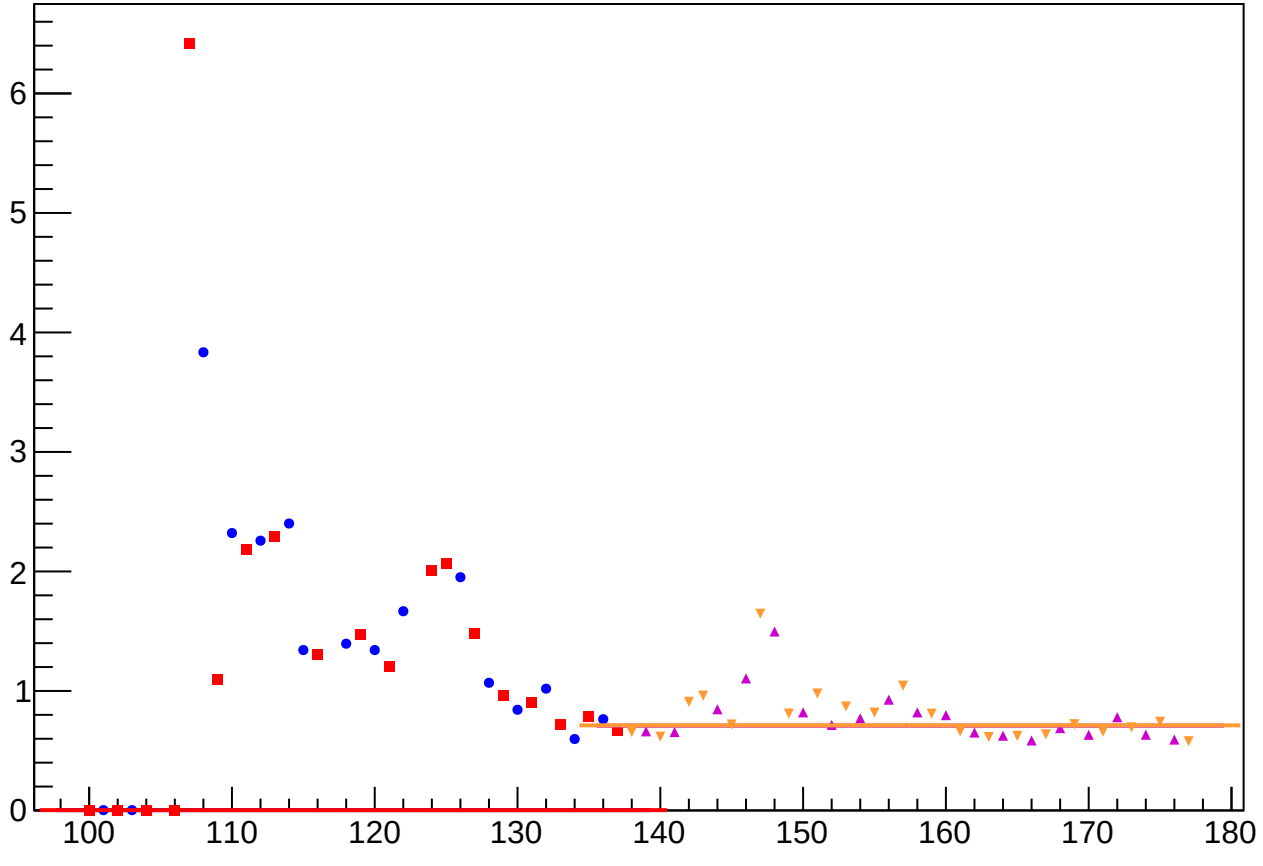
In: 0.003+/-0.000 χ^2/NDF:34886430.6/34

Out: 0.003+/-0.000 χ^2/NDF:36643511.5/39

All: 0.003+/-0.000 χ^2/NDF: 71530180.5/74


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: -59.124+/-0.000 χ²/NDF:158123882.8/20
Right Out: 104.224+/-0.000 χ²/NDF: 1257401882577977.0/18
Left In: -59.098+/-0.000 χ²/NDF:133093622.2/18
Left: -59.111+/-0.000 χ²/NDF: 291226133.9/39
Right: 120.832+/-0.000 χ²/NDF: 138089570604348
In: 140.115+/-0.000 χ²/NDF:1191032603038.4/34
Out: 104.203+/-0.000 χ²/NDF:125811757847573
All: 120.807+/-0.000 χ²/NDF: 13825827699

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.712+/-0.000 χ^2/NDF:1122603.6/20

Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.710+/-0.000 χ^2/NDF:931618.0/18

Left: 0.711+/-0.000 χ^2/NDF: 2054385.1/39

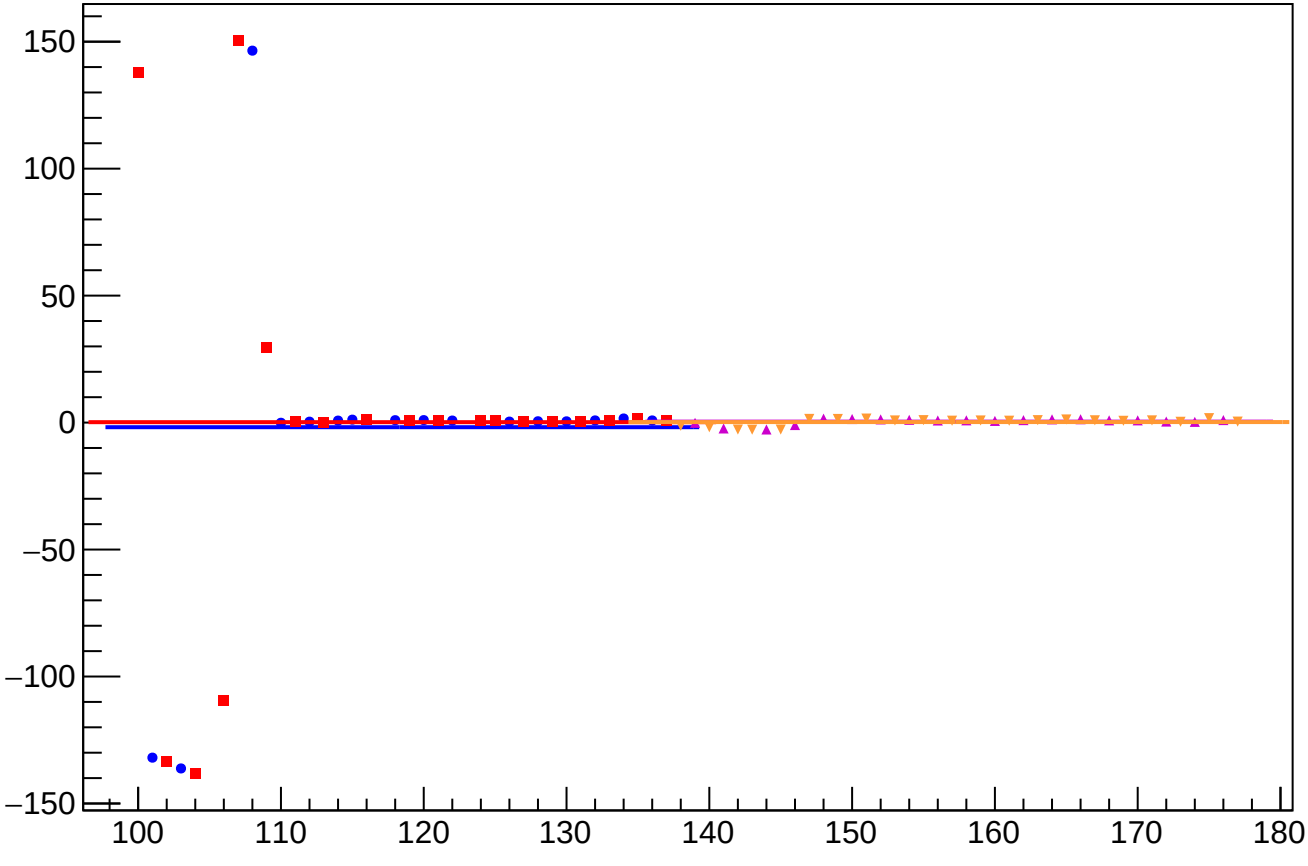
Right: 0.003+/-0.000 χ^2/NDF: 20845702.5/34

In: 0.003+/-0.000 χ^2/NDF:36776310.0/34

Out: 0.003+/-0.000 χ^2/NDF:38386896.5/39

All: 0.003+/-0.000 χ^2/NDF: 75163533.8/74

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: 0.207+/-0.000 χ^2/NDF:107318277.2/20

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

Left In: 0.381+/-0.000 χ^2/NDF:71300403.0/18

Left: 0.290+/-0.000 χ^2/NDF: 179341690.7/39

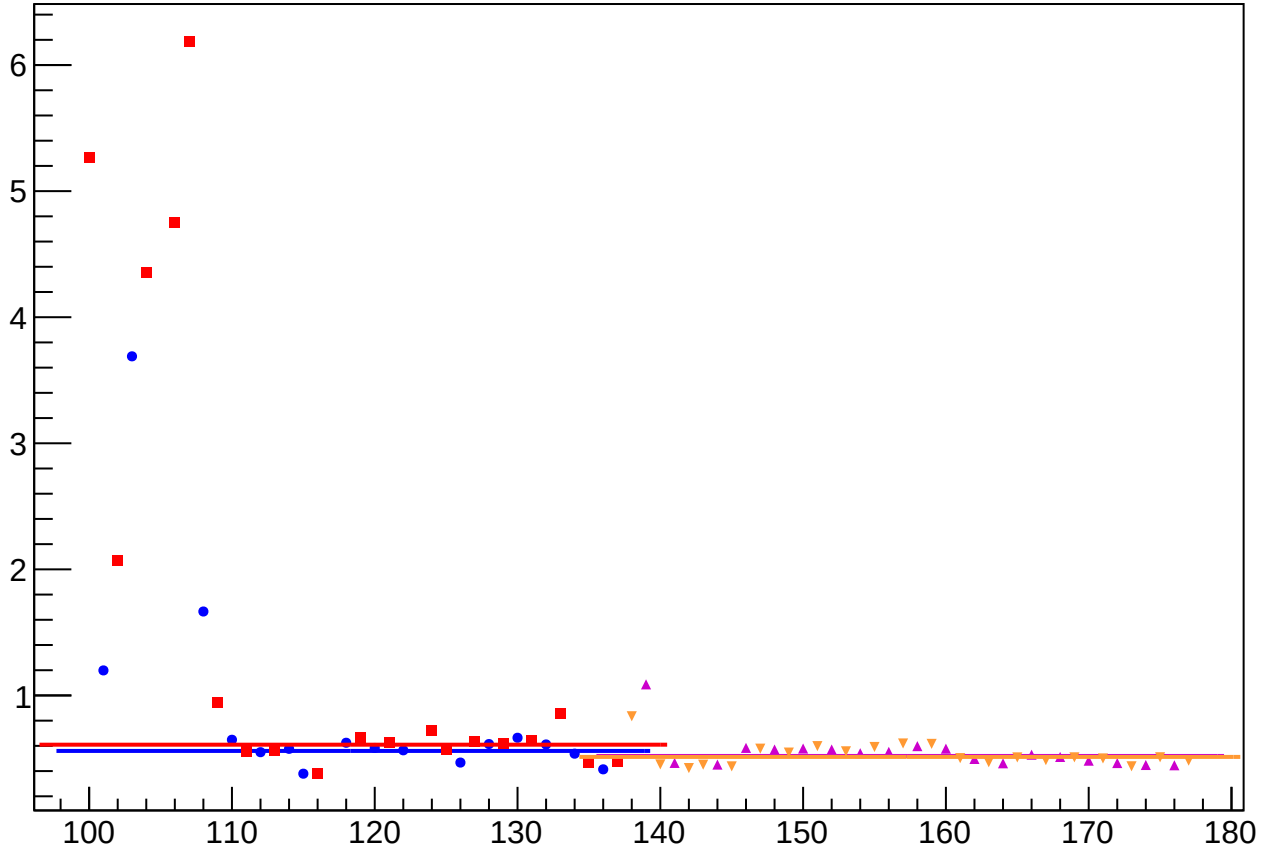
Right: -0.919+/-0.000 χ^2/NDF: 13527173630.8/34

In: -0.191+/-0.000 χ^2/NDF:10016161962.6/34

Out: 0.199+/-0.000 χ^2/NDF:3718582737.1/39

All: 0.007+/-0.000 χ^2/NDF: 13739538644.3/7

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.512+/-0.000 χ^2/NDF:524139.6/20

Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.520+/-0.000 χ^2/NDF:718777.7/18

Left: 0.516+/-0.000 χ^2/NDF: 1245626.8/39

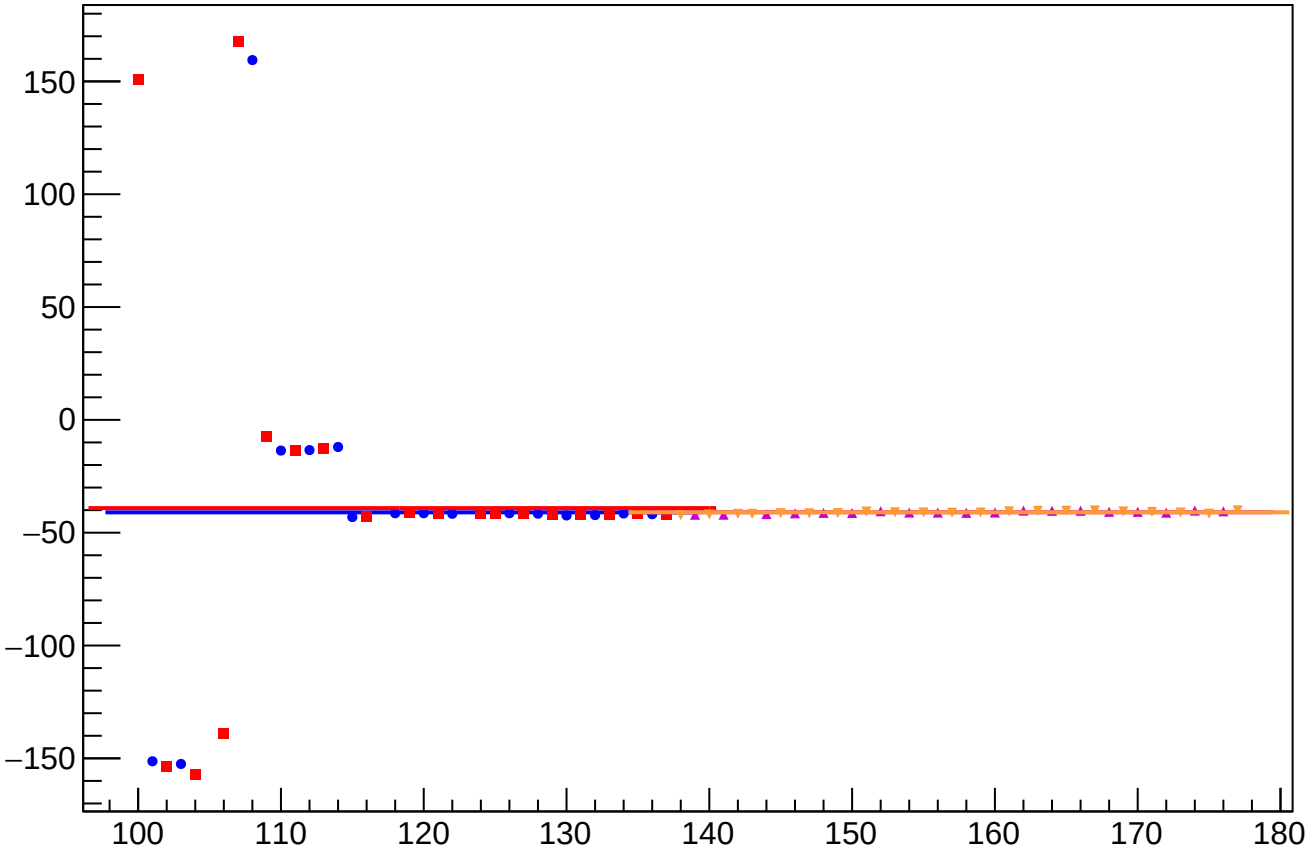
Right: 0.582+/-0.000 χ^2/NDF: 4110324.4/34

In: 0.530+/-0.000 χ^2/NDF:2355239.1/34

Out: 0.533+/-0.000 χ^2/NDF:3199170.4/39

All: 0.531+/-0.000 χ^2/NDF: 5554756.2/74

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -40.956+/-0.000 χ^2/NDF:40836777.9/20

Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

Left In: -40.925+/-0.000 χ^2/NDF:34059053.0/18

Left: -40.941+/-0.000 χ^2/NDF: 74959555.9/39

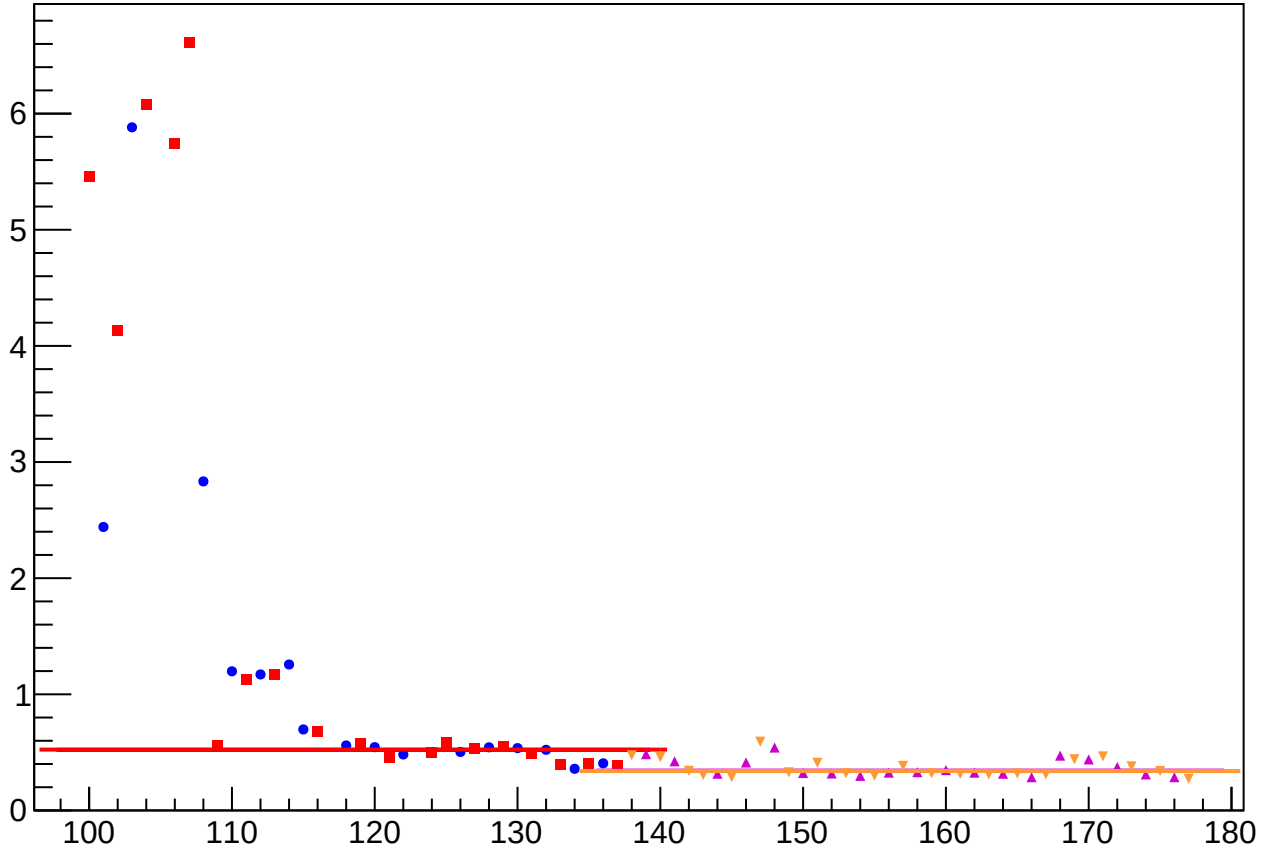
Right: -40.058+/-0.000 χ^2/NDF: 5962079351.2/34

In: -40.933+/-0.000 χ^2/NDF:3483743469.7/34

Out: -40.736+/-0.000 χ^2/NDF:2575294359.6/39

All: -40.831+/-0.000 χ^2/NDF: 6061838586.0/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.339+/-0.000 χ^2/NDF:1023421.9/20

Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.343+/-0.000 χ^2/NDF:844174.3/18

Left: 0.341+/-0.000 χ^2/NDF: 1869805.0/39

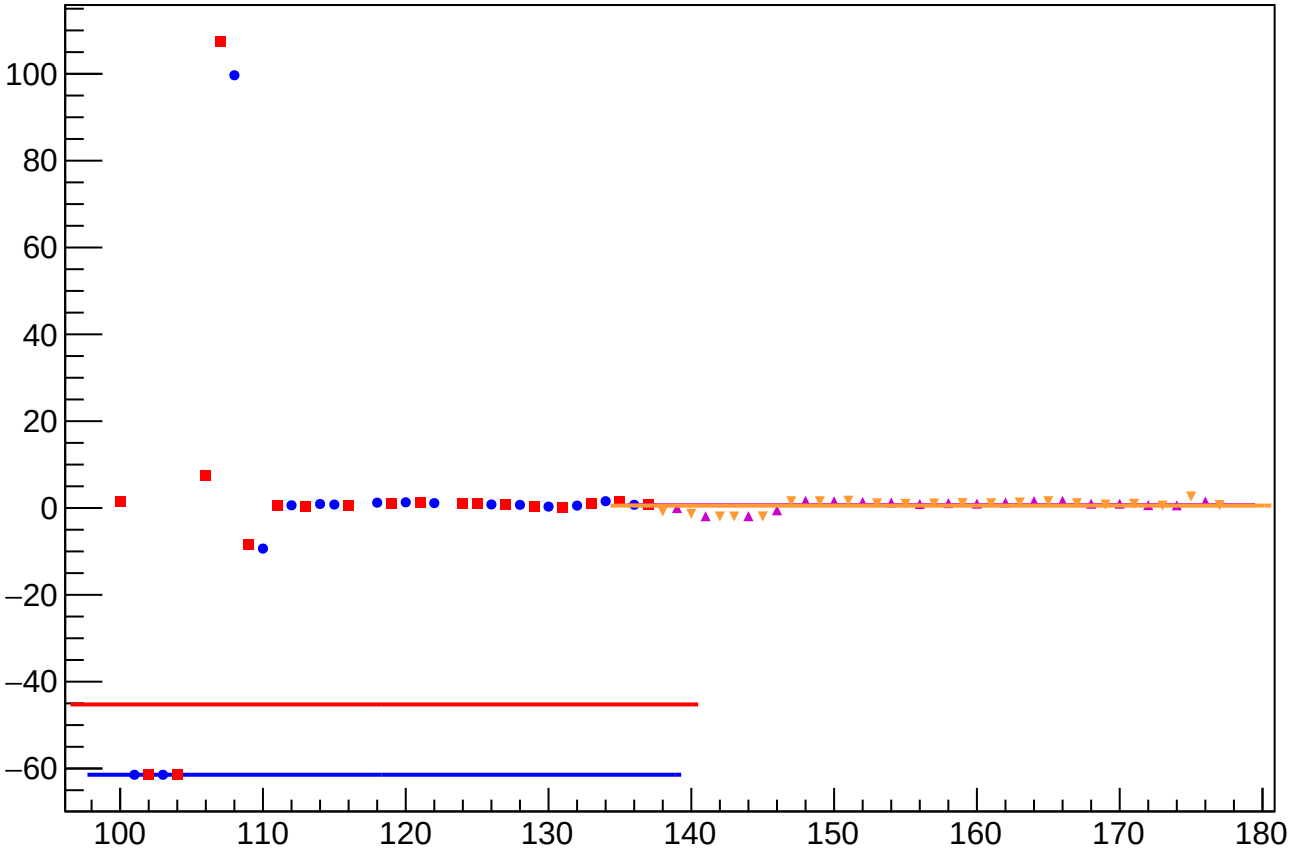
Right: 0.523+/-0.000 χ^2/NDF: 6213857.4/34

In: 0.367+/-0.000 χ^2/NDF:4815813.5/34

Out: 0.361+/-0.000 χ^2/NDF:5365839.7/39

All: 0.364+/-0.000 χ^2/NDF: 10186682.6/74

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: 0.554+/-0.000 χ^2/NDF:119208008.0/20

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

Left In: 0.665+/-0.000 χ^2/NDF:79944604.6/18

Left: 0.606+/-0.000 χ^2/NDF: 199566188.3/39

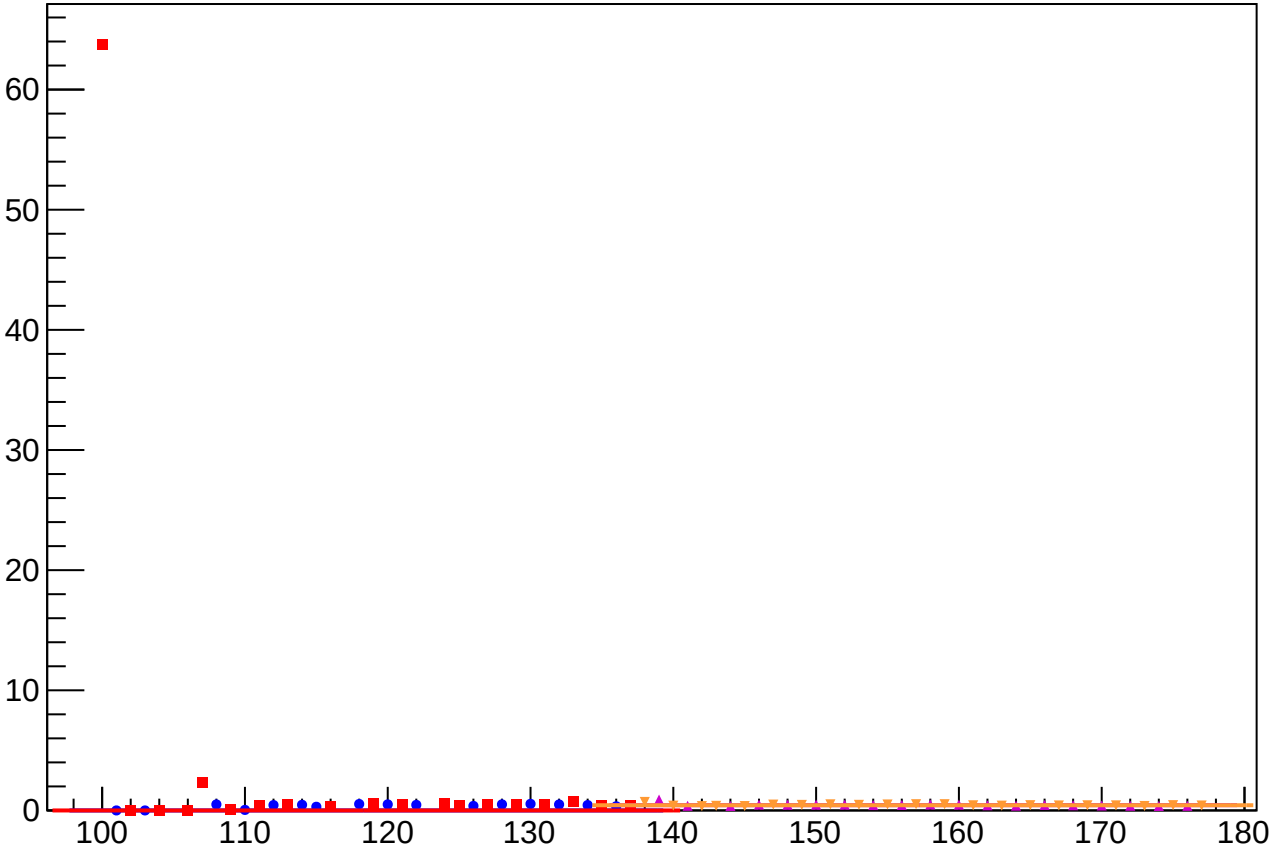
Right: -52.749+/-0.000 χ^2/NDF: 409121918007227

In: -61.425+/-0.000 χ^2/NDF:519986747923.3/34

Out: -45.237+/-0.000 χ^2/NDF:358019353811243.6

All: -52.740+/-0.000 χ^2/NDF: 409506111454

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.434+/-0.000 χ^2/NDF:512309.2/20

Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

Left In: 0.441+/-0.000 χ^2/NDF:684845.9/18

Left: 0.438+/-0.000 χ^2/NDF: 1200811.1/39

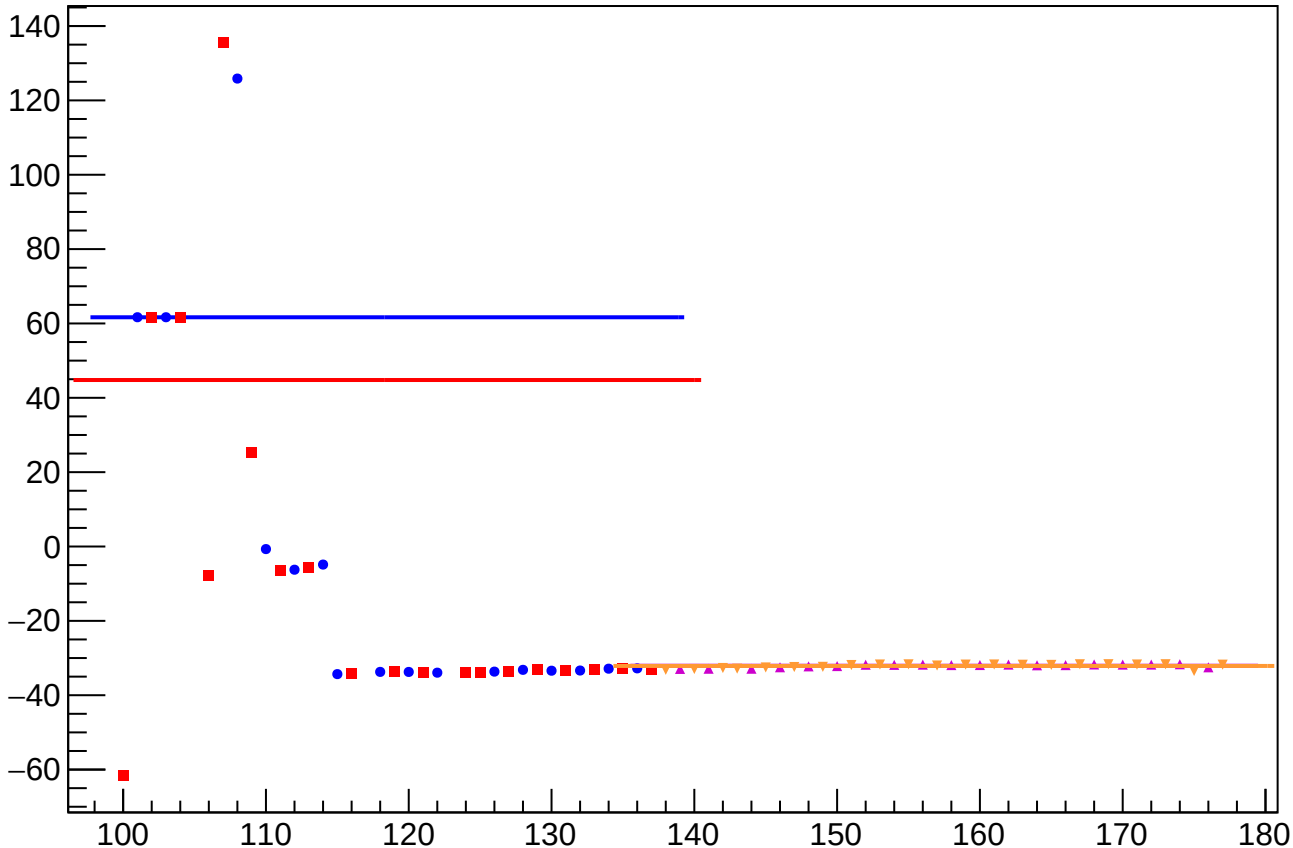
Right: 0.001+/-0.000 χ^2/NDF: 18501293.3/34

In: 0.002+/-0.000 χ^2/NDF:34576604.7/34

Out: 0.002+/-0.000 χ^2/NDF:36427108.9/39

All: 0.002+/-0.000 χ^2/NDF: 71003731.4/74

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.126+/-0.000 χ^2/NDF:58324202.1/20

Right Out: 44.786+/-0.000 χ^2/NDF: 3660947782299 51.8/18

Left In: -32.070+/-0.000 χ^2/NDF:31145675.9/18

Left: -32.099+/-0.000 χ^2/NDF: 89754918.4/39

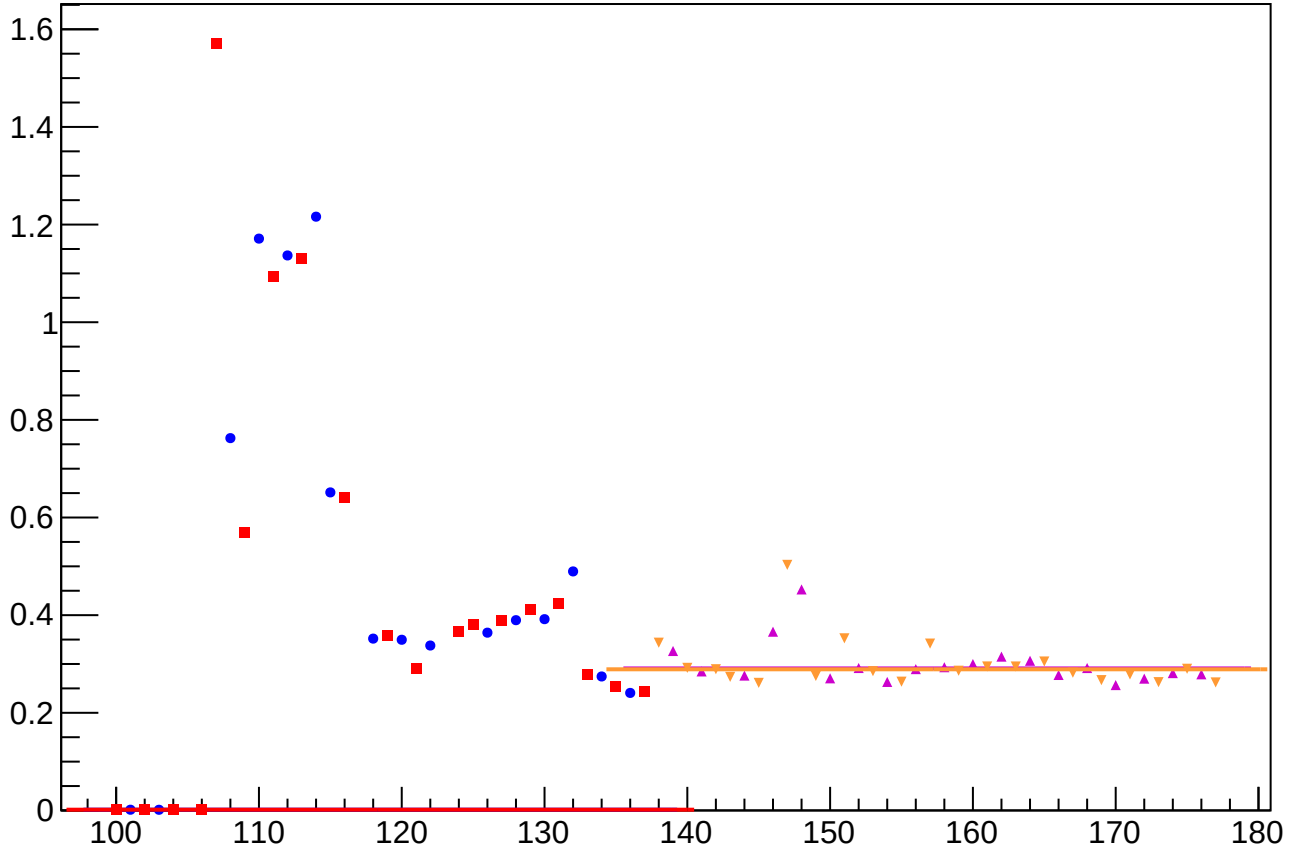
Right: 52.689+/-0.000 χ^2/NDF: 417568081486015.0

In: 61.613+/-0.000 χ^2/NDF:1901962211725.1/34

Out: 44.748+/-0.000 χ^2/NDF:367214211127068.3

All: 52.646+/-0.000 χ^2/NDF: 4201824993098

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.289+/-0.000 χ^2/NDF:506839.2/20

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

Left In: 0.291+/-0.000 χ^2/NDF:383553.6/18

Left: 0.290+/-0.000 χ^2/NDF: 890964.0/39

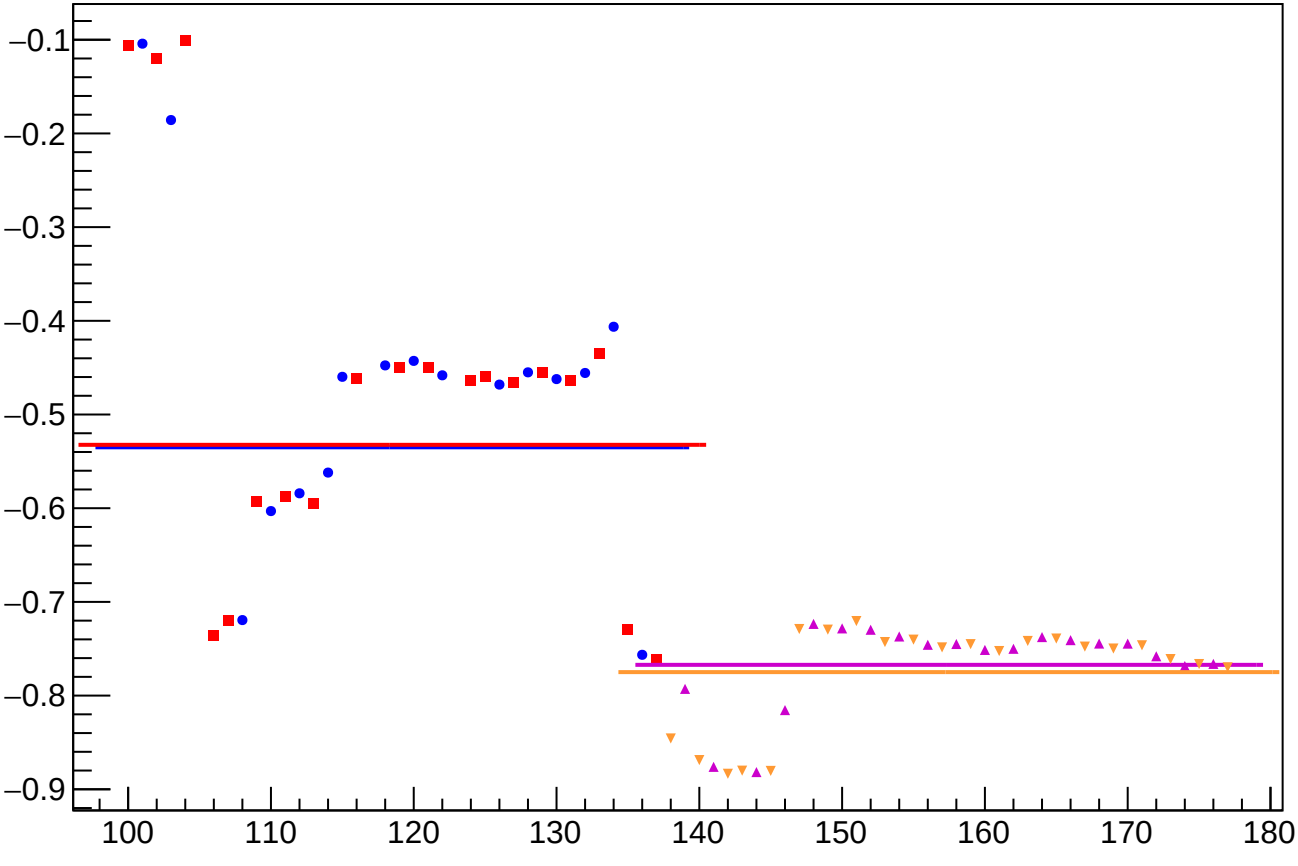
Right: 0.002+/-0.000 χ^2/NDF: 21583912.3/34

In: 0.002+/-0.000 χ^2/NDF:40619559.1/34

Out: 0.002+/-0.000 χ^2/NDF:42365167.3/39

All: 0.002+/-0.000 χ^2/NDF: 82984772.6/74

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.775+/-0.000 χ^2/NDF:112077852.9/20

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

Left In: -0.767+/-0.000 χ^2/NDF:77630111.0/18

Left: -0.771+/-0.000 χ^2/NDF: 190798689.3/39

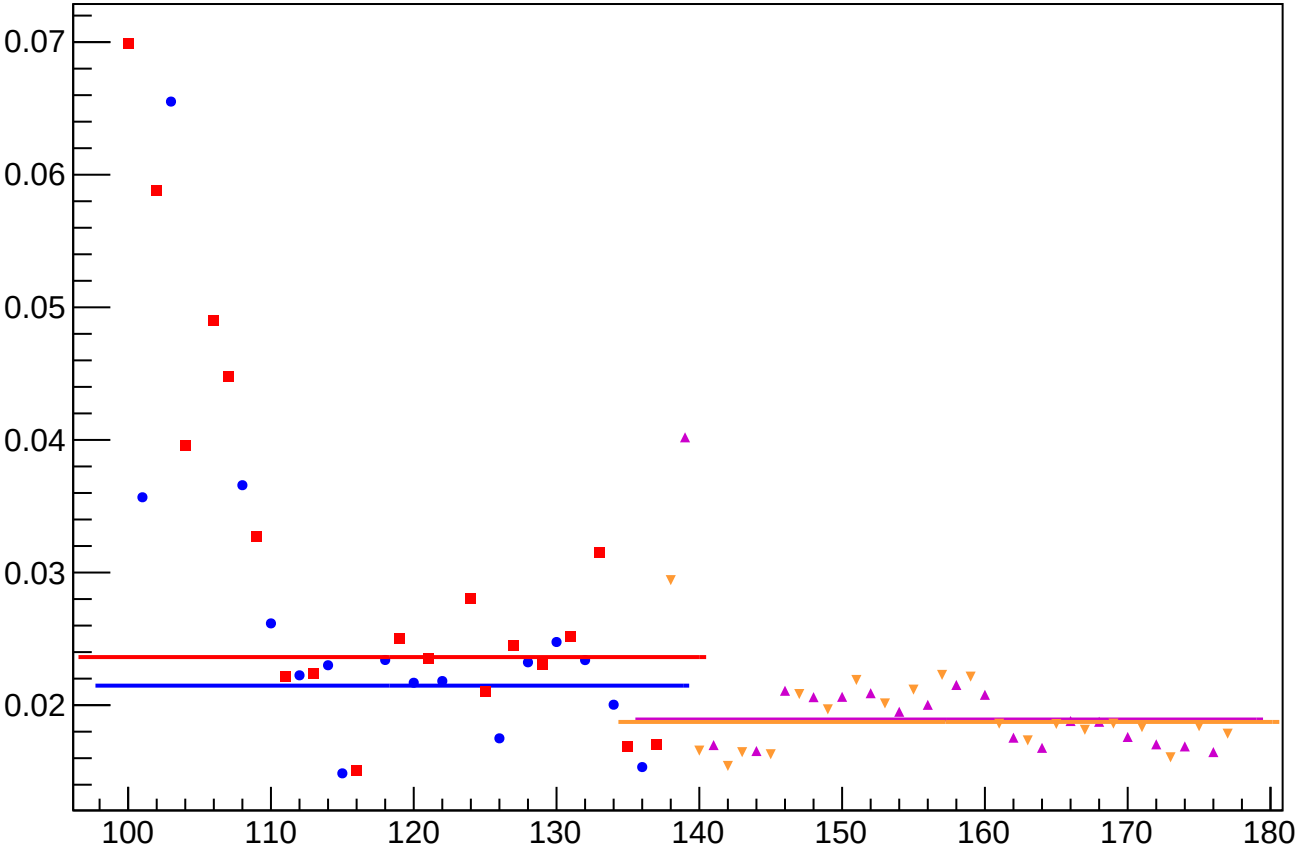
Right: -0.534+/-0.000 χ^2/NDF: 515008587.7/34

In: -0.709+/-0.000 χ^2/NDF:847576373.6/34

Out: -0.724+/-0.000 χ^2/NDF:791831974.8/39

All: -0.717+/-0.000 χ^2/NDF: 1645150665.7/7

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1153987.6/15

Left Out: 0.019+/-0.000 χ^2/NDF:455590.8/20

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

Left In: 0.019+/-0.000 χ^2/NDF:691177.0/18

Left: 0.019+/-0.000 χ^2/NDF: 1147964.7/39

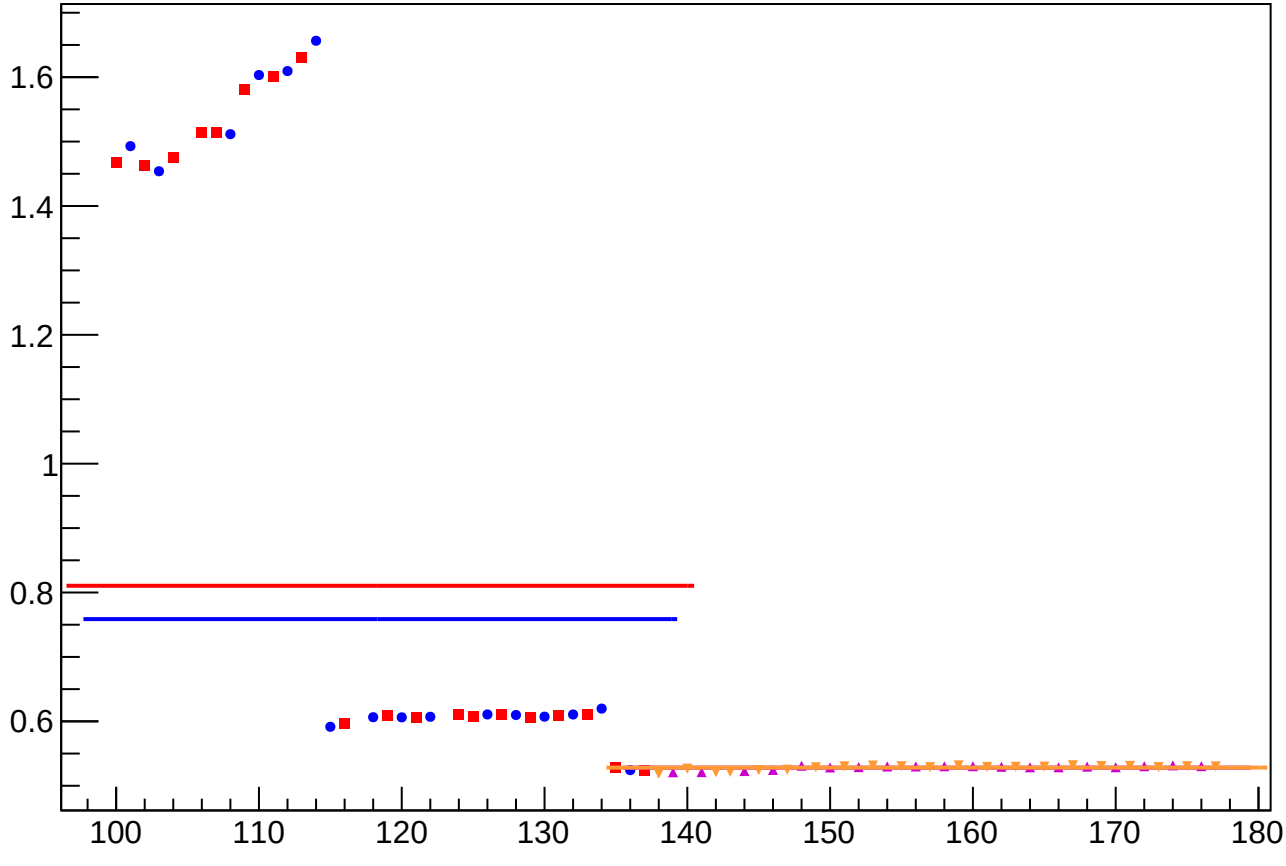
Right: 0.022+/-0.000 χ^2/NDF: 2481109.4/34

In: 0.020+/-0.000 χ^2/NDF:1958783.7/34

Out: 0.020+/-0.000 χ^2/NDF:2111323.8/39

All: 0.020+/-0.000 χ^2/NDF: 4071888.6/74

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.528+/-0.000 χ^2/NDF:1462540.2/20

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

Left In: 0.528+/-0.000 χ^2/NDF:1148754.3/18

Left: 0.528+/-0.000 χ^2/NDF: 2612289.9/39

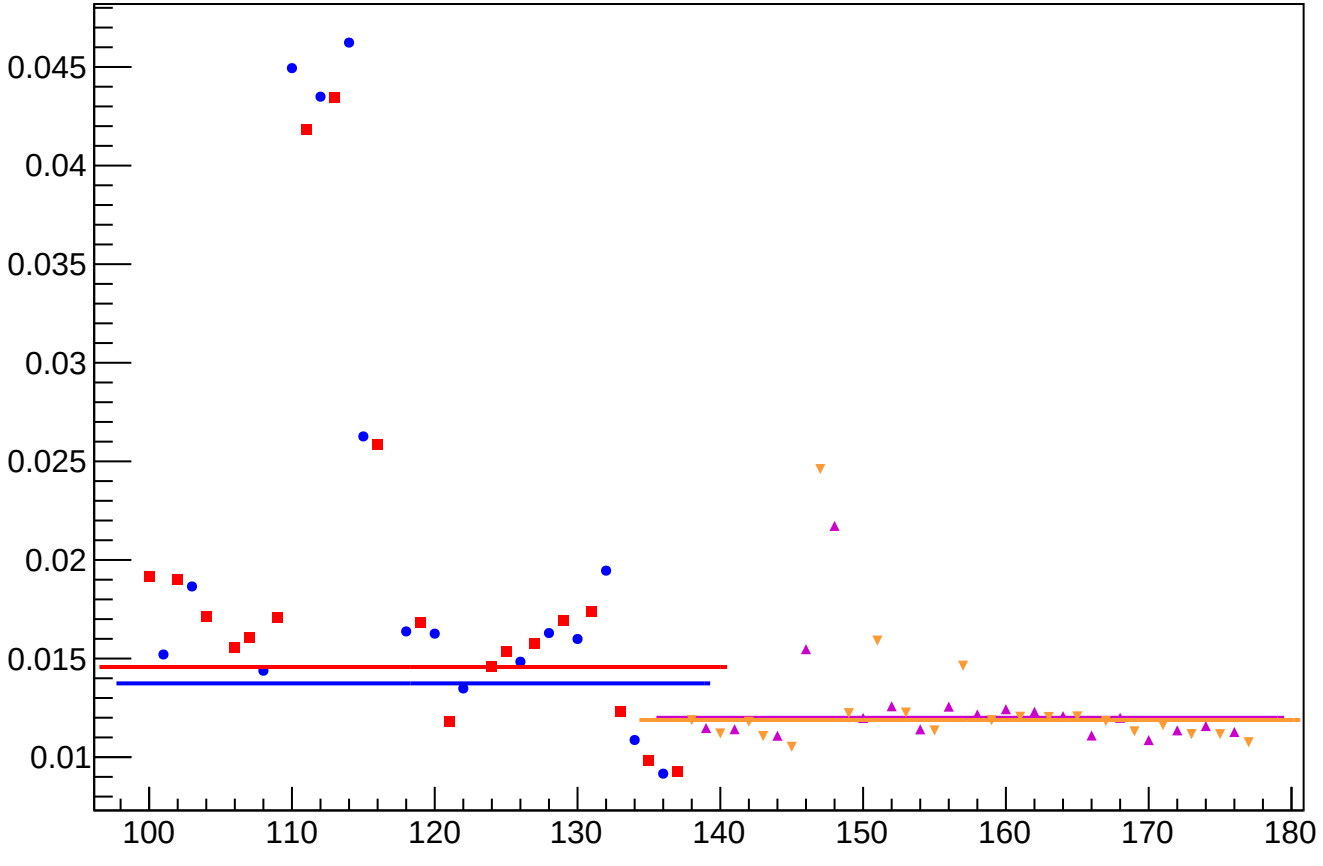
Right: 0.784+/-0.000 χ^2/NDF: 9114268233.2/34

In: 0.582+/-0.000 χ^2/NDF:5589561256.3/34

Out: 0.587+/-0.000 χ^2/NDF:6625996937.8/39

All: 0.584+/-0.000 χ^2/NDF: 12217034940.1/7

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1649769.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:663171.4/20

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

Left In: 0.012+/-0.000 χ^2/NDF:467741.0/18

Left: 0.012+/-0.000 χ^2/NDF: 1132210.7/39

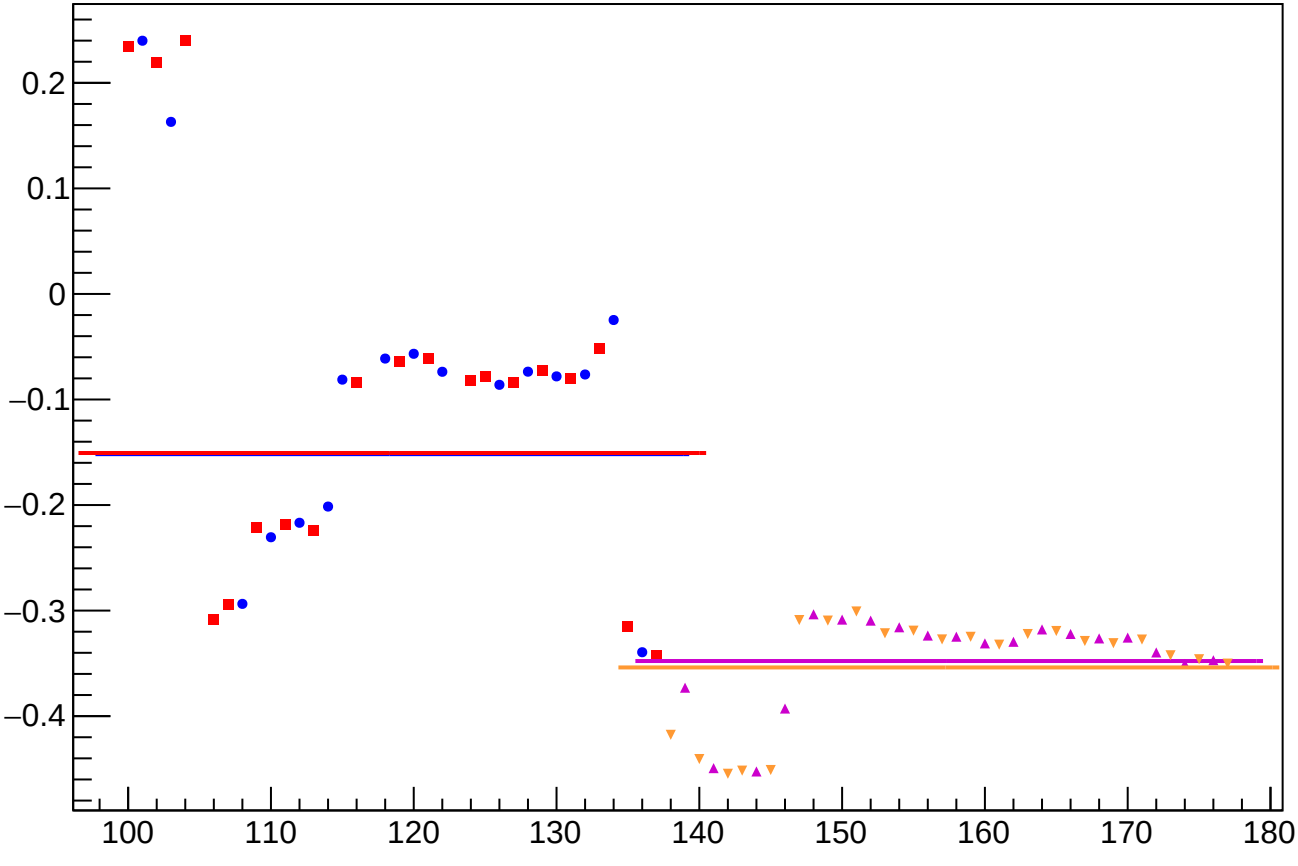
Right: 0.014+/-0.000 χ^2/NDF: 3125814.5/34

In: 0.012+/-0.000 χ^2/NDF:2264629.3/34

Out: 0.012+/-0.000 χ^2/NDF:2454291.4/39

All: 0.012+/-0.000 χ^2/NDF: 4719121.1/74

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.354+/-0.000 χ^2/NDF:107965395.6/20

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

Left In: -0.348+/-0.000 χ^2/NDF:78131213.7/18

Left: -0.351+/-0.000 χ^2/NDF: 186813362.9/39

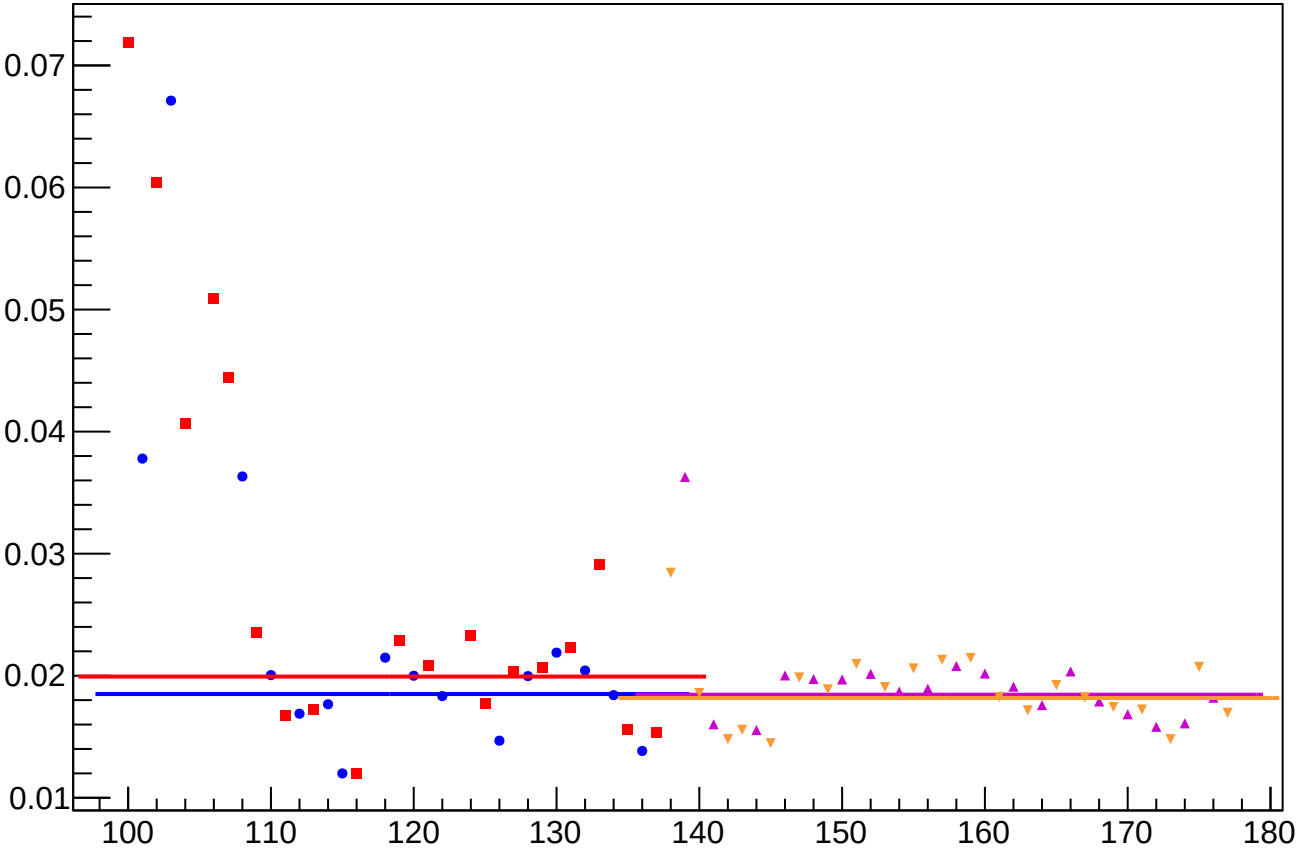
Right: -0.151+/-0.000 χ^2/NDF: 476210345.8/34

In: -0.290+/-0.000 χ^2/NDF:772472759.2/34

Out: -0.303+/-0.000 χ^2/NDF:730872076.8/39

All: -0.297+/-0.000 χ^2/NDF: 1507667492.5/7

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:545971.4/20

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

Left In: 0.018+/-0.000 χ^2/NDF:635060.2/18

Left: 0.018+/-0.000 χ^2/NDF: 1183906.3/39

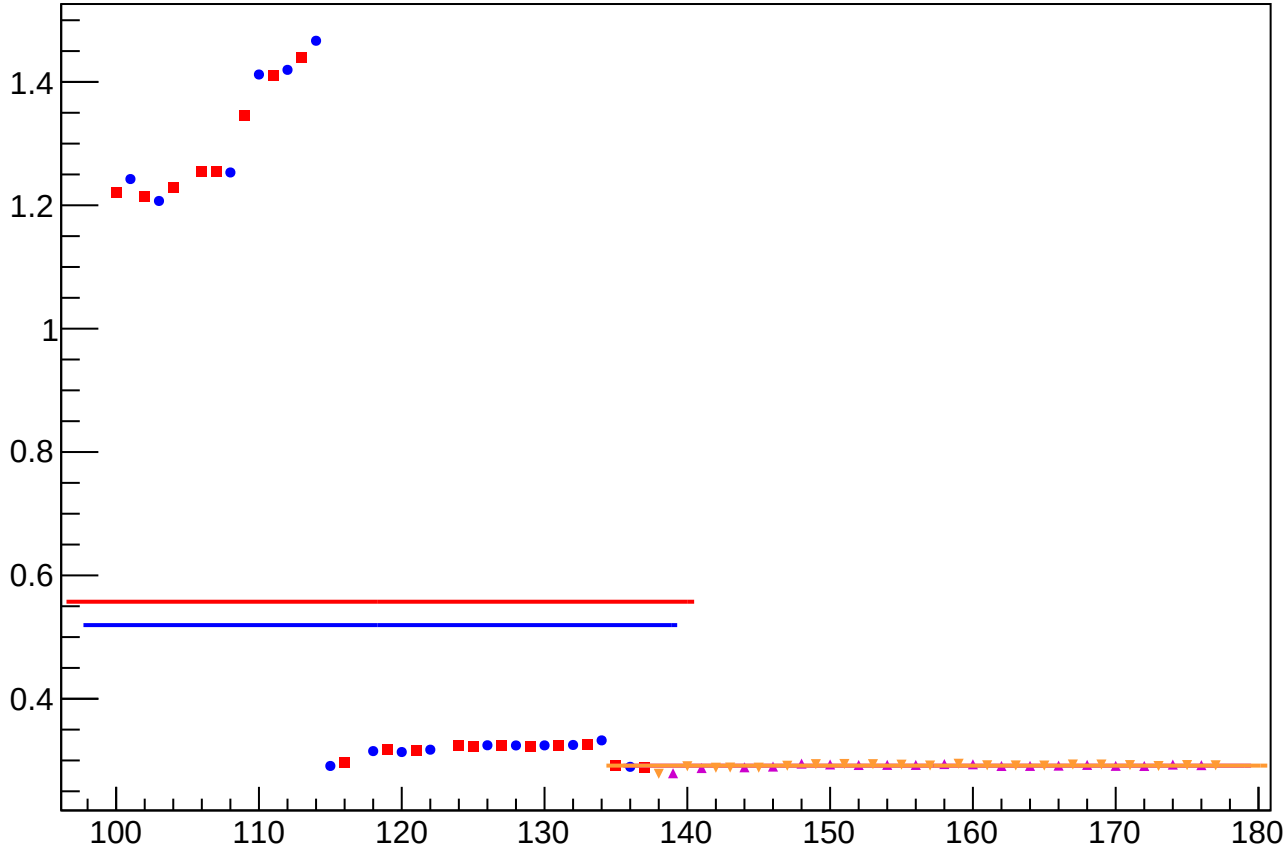
Right: 0.019+/-0.000 χ^2/NDF: 2949710.8/34

In: 0.018+/-0.000 χ^2/NDF:2007481.6/34

Out: 0.019+/-0.000 χ^2/NDF:2157014.9/39

All: 0.019+/-0.000 χ^2/NDF: 4165765.7/74

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.519+/-0.000 χ^2/NDF: 6319132275.3/15

Left Out: 0.292+/-0.000 χ^2/NDF:1211692.8/20

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

Left In: 0.291+/-0.000 χ^2/NDF:1220327.7/18

Left: 0.292+/-0.000 χ^2/NDF: 2433556.6/39

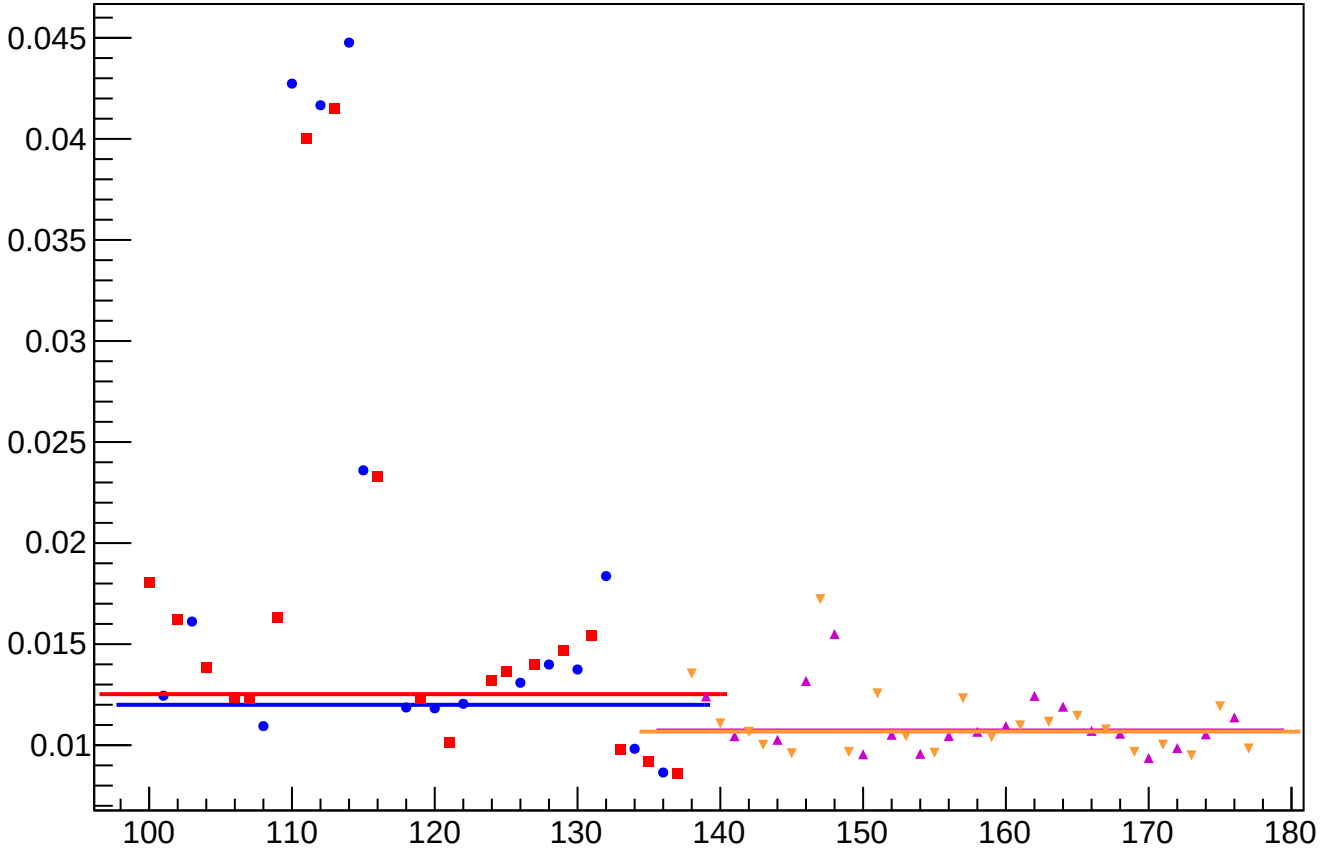
Right: 0.538+/-0.000 χ^2/NDF: 13094140546.7/34

In: 0.347+/-0.000 χ^2/NDF:7946188572.1/34

Out: 0.350+/-0.000 χ^2/NDF:8897454226.3/39

All: 0.349+/-0.000 χ^2/NDF: 16844326927.3/7

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:515310.1/20

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

Left In: 0.011+/-0.000 χ^2/NDF:388052.1/18

Left: 0.011+/-0.000 χ^2/NDF: 903764.0/39

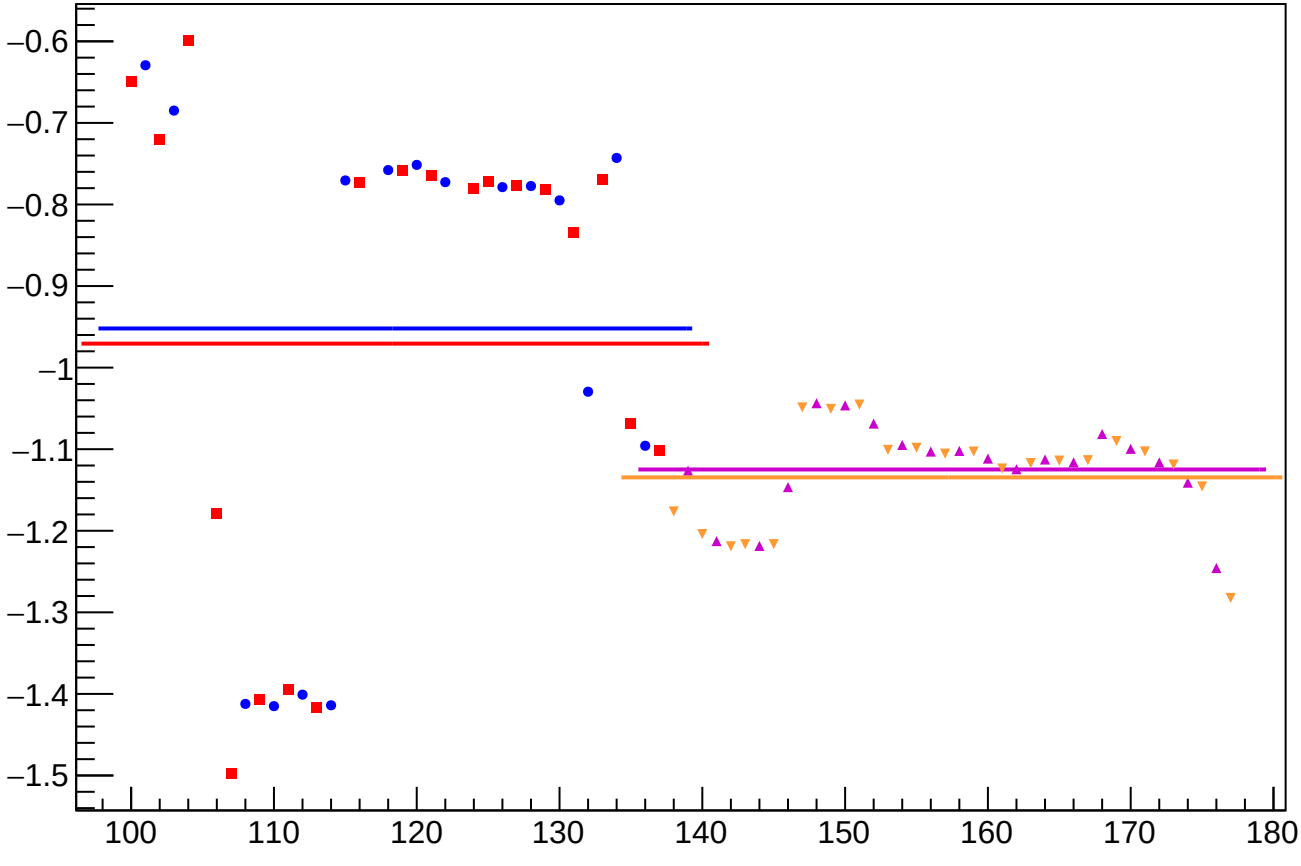
Right: 0.012+/-0.000 χ^2/NDF: 2937026.7/34

In: 0.011+/-0.000 χ^2/NDF:1980560.8/34

Out: 0.011+/-0.000 χ^2/NDF:2158637.5/39

All: 0.011+/-0.000 χ^2/NDF: 4139500.5/74

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.135+/-0.000 χ^2/NDF:152619539.1/20

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

Left In: -1.125+/-0.000 χ^2/NDF:106936172.4/18

Left: -1.130+/-0.000 χ^2/NDF: 261332051.5/39

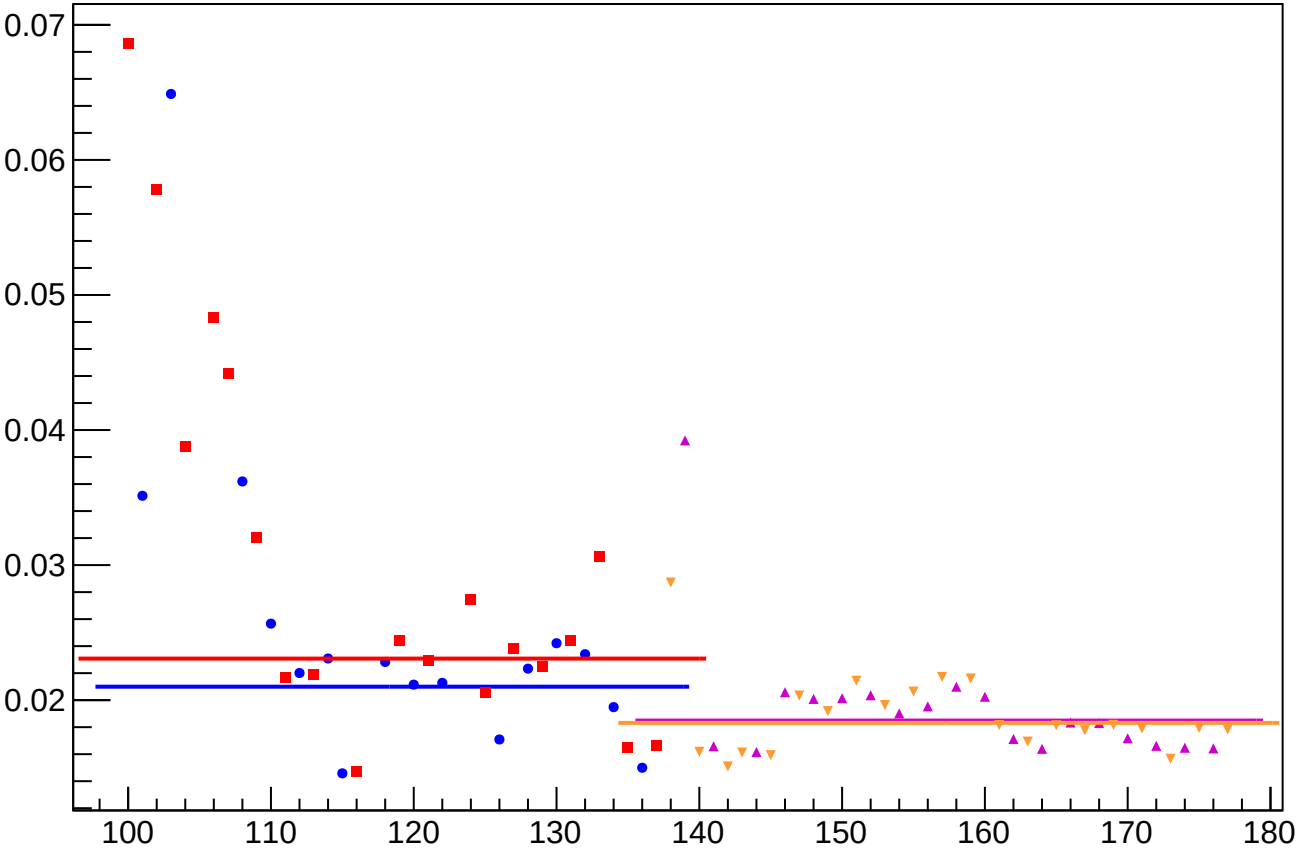
Right: -0.961+/-0.000 χ^2/NDF: 1415910427.1/34

In: -1.081+/-0.000 χ^2/NDF:1078069654.6/34

Out: -1.100+/-0.000 χ^2/NDF:1089345342.0/39

All: -1.091+/-0.000 χ^2/NDF: 2176269733.3/7

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:450390.4/20

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

Left In: 0.018+/-0.000 χ^2/NDF:682382.2/18

Left: 0.018+/-0.000 χ^2/NDF: 1133880.3/39

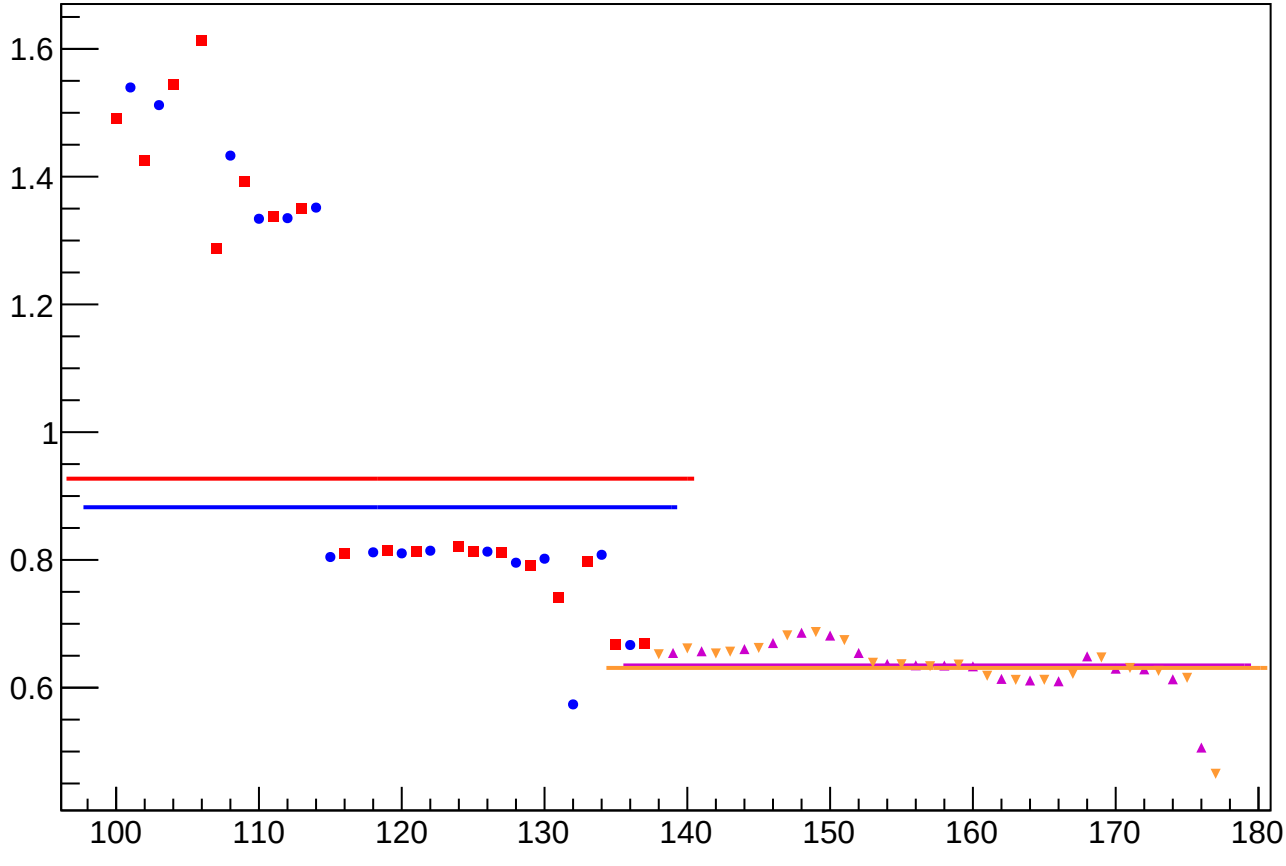
Right: 0.022+/-0.000 χ^2/NDF: 2496865.9/34

In: 0.019+/-0.000 χ^2/NDF:1963884.0/34

Out: 0.019+/-0.000 χ^2/NDF:2106343.2/39

All: 0.019+/-0.000 χ^2/NDF: 4071993.8/74

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.631+/-0.000 χ^2/NDF:230012843.7/20

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

Left In: 0.635+/-0.000 χ^2/NDF:123770445.3/18

Left: 0.633+/-0.000 χ^2/NDF: 354581778.6/39

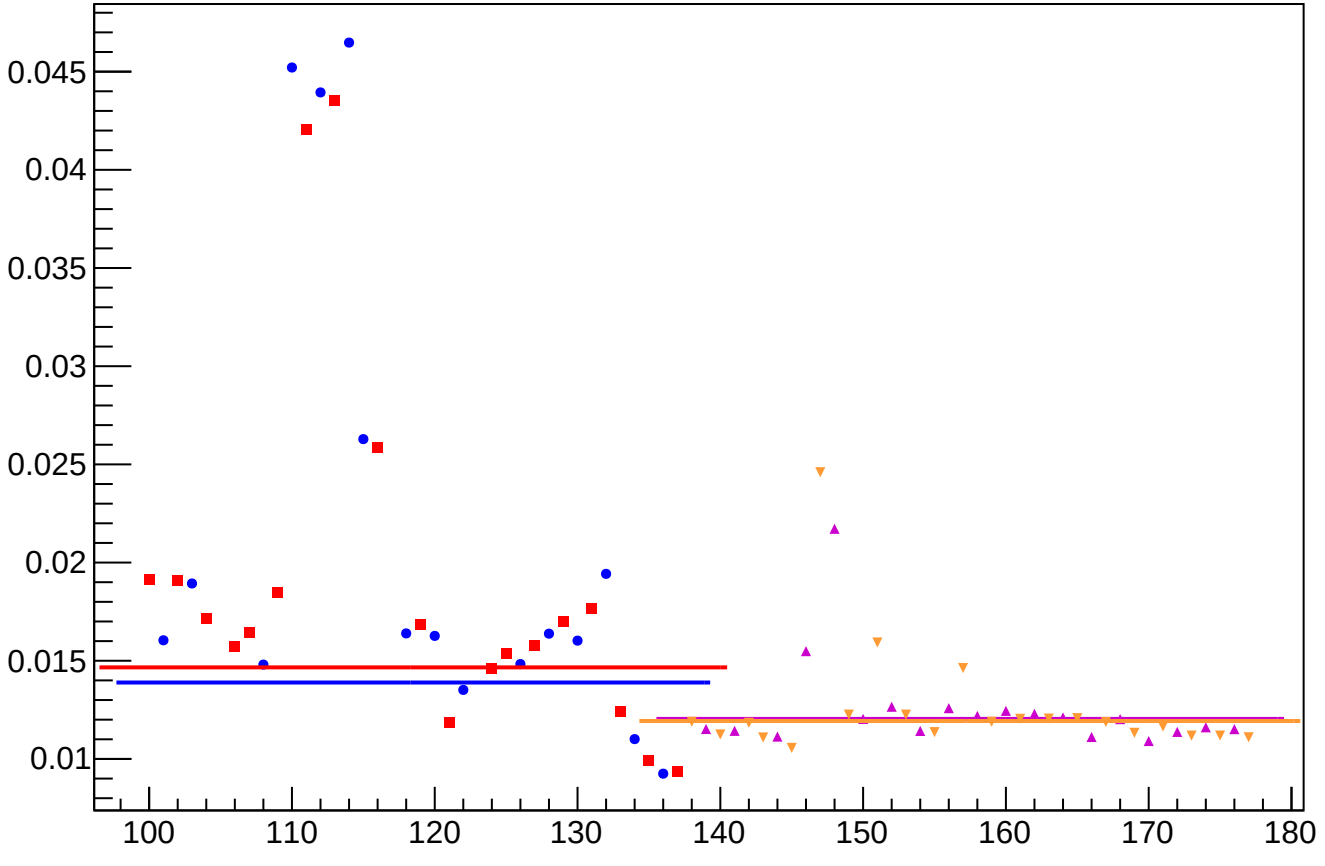
Right: 0.904+/-0.000 χ^2/NDF: 5576917007.9/34

In: 0.692+/-0.000 χ^2/NDF:4356694713.4/34

Out: 0.692+/-0.000 χ^2/NDF:5004877478.2/39

All: 0.692+/-0.000 χ^2/NDF: 9361573002.0/74

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:648358.6/20

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

Left In: 0.012+/-0.000 χ^2/NDF:461076.3/18

Left: 0.012+/-0.000 χ^2/NDF: 1110639.7/39

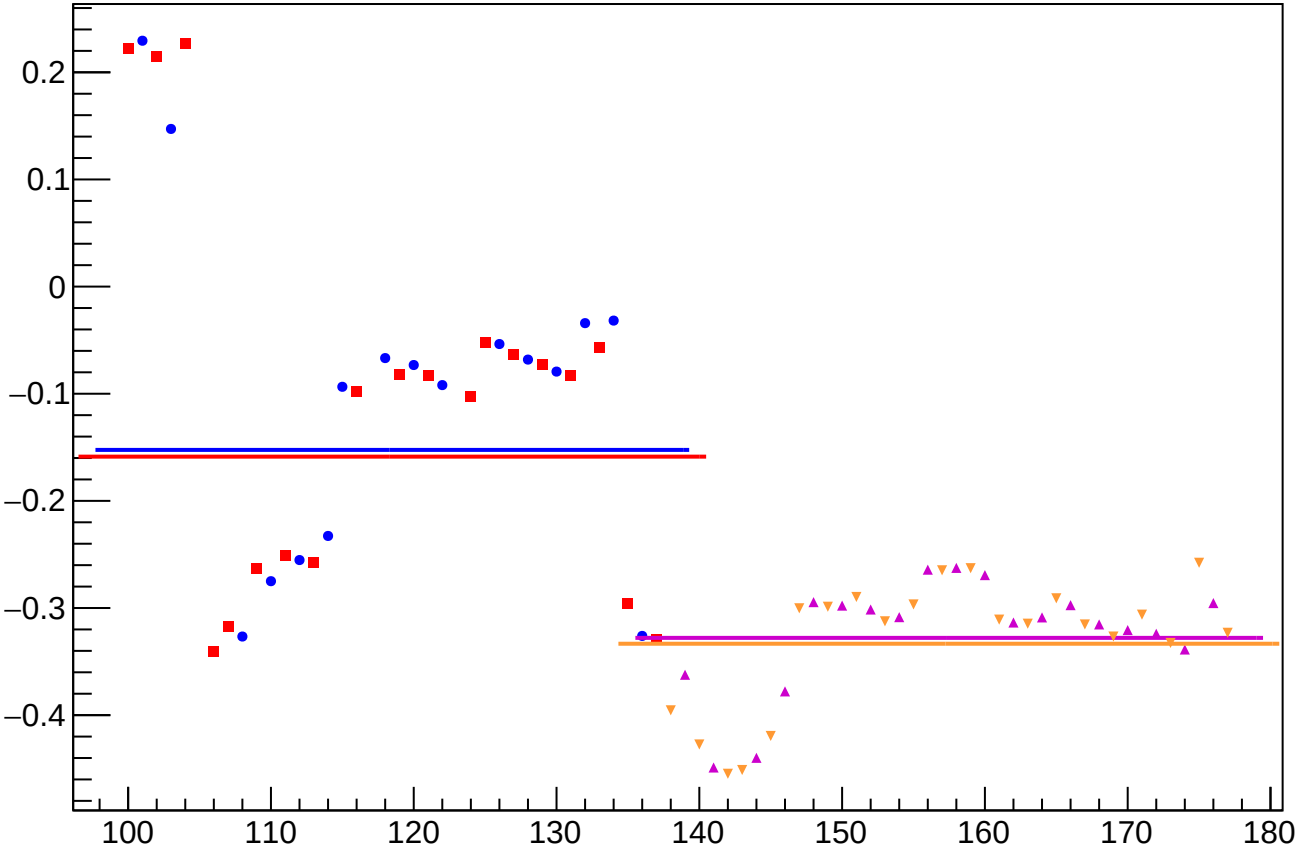
Right: 0.014+/-0.000 χ^2/NDF: 3131409.7/34

In: 0.012+/-0.000 χ^2/NDF:2269912.5/34

Out: 0.012+/-0.000 χ^2/NDF:2457067.7/39

All: 0.012+/-0.000 χ^2/NDF: 4727083.9/74

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.333+/-0.000 χ^2/NDF:136569588.3/20

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

Left In: -0.328+/-0.000 χ^2/NDF:106058521.9/18

Left: -0.331+/-0.000 χ^2/NDF: 243207604.3/39

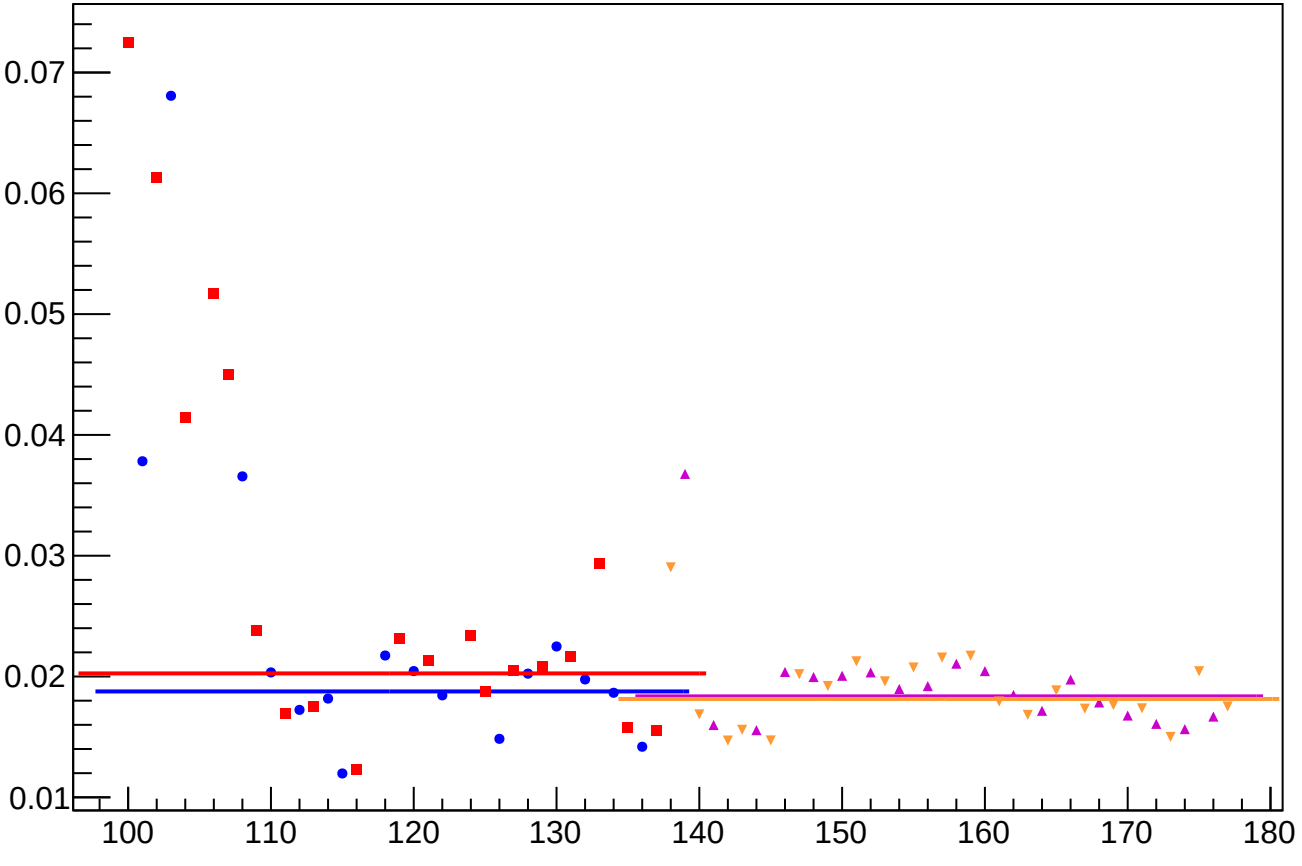
Right: -0.155+/-0.000 χ^2/NDF: 470153865.7/34

In: -0.277+/-0.000 χ^2/NDF:708678344.0/34

Out: -0.290+/-0.000 χ^2/NDF:637170088.7/39

All: -0.284+/-0.000 χ^2/NDF: 1350395490.9/7

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 1349412.3/15

Left Out: 0.018+/-0.000 χ^2/NDF:567774.1/20

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

Left In: 0.018+/-0.000 χ^2/NDF:684342.7/18

Left: 0.018+/-0.000 χ^2/NDF: 1253868.8/39

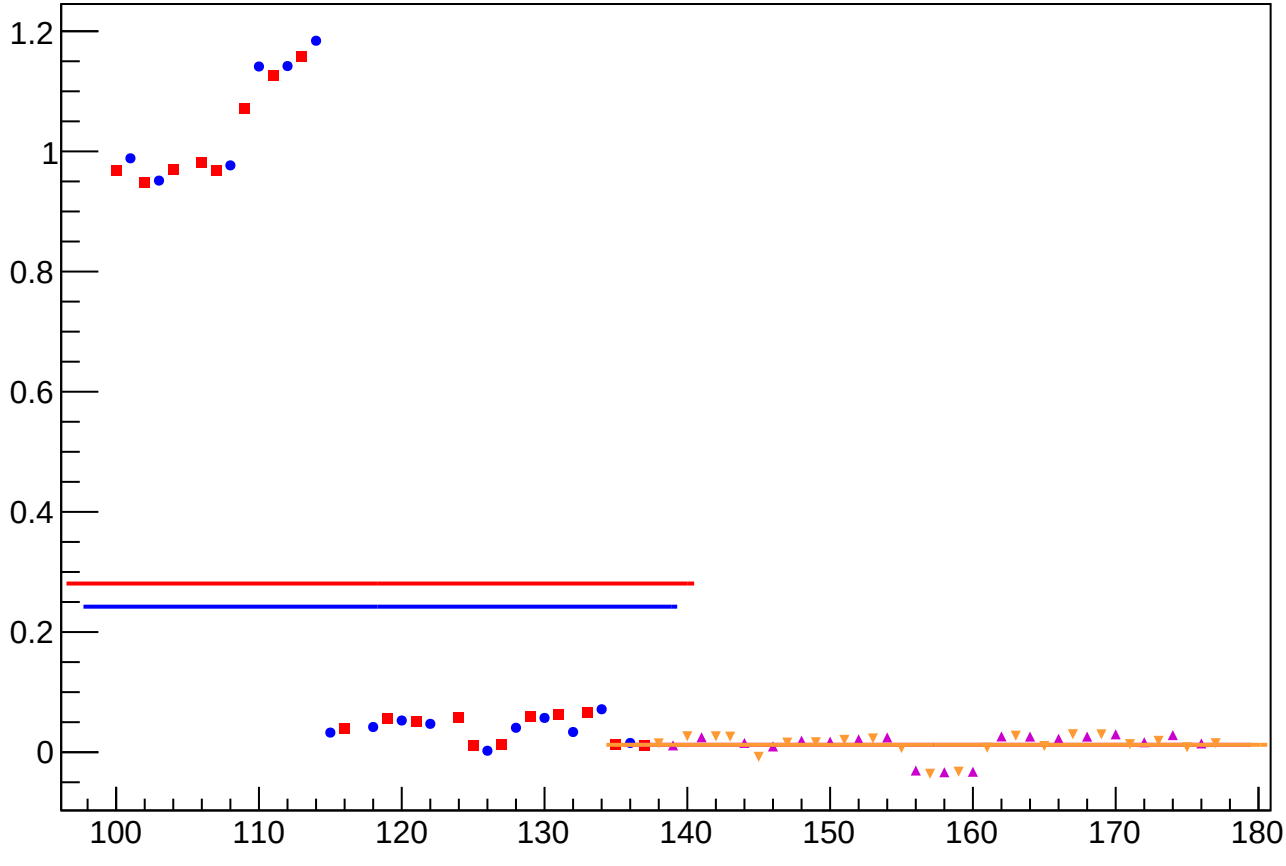
Right: 0.019+/-0.000 χ^2/NDF: 2910384.5/34

In: 0.018+/-0.000 χ^2/NDF:2037331.4/34

Out: 0.019+/-0.000 χ^2/NDF:2186816.4/39

All: 0.019+/-0.000 χ^2/NDF: 4226050.6/74

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:44770613.3/20

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

Left In: 0.012+/-0.000 χ^2/NDF:57585237.6/18

Left: 0.012+/-0.000 χ^2/NDF: 102355940.7/39

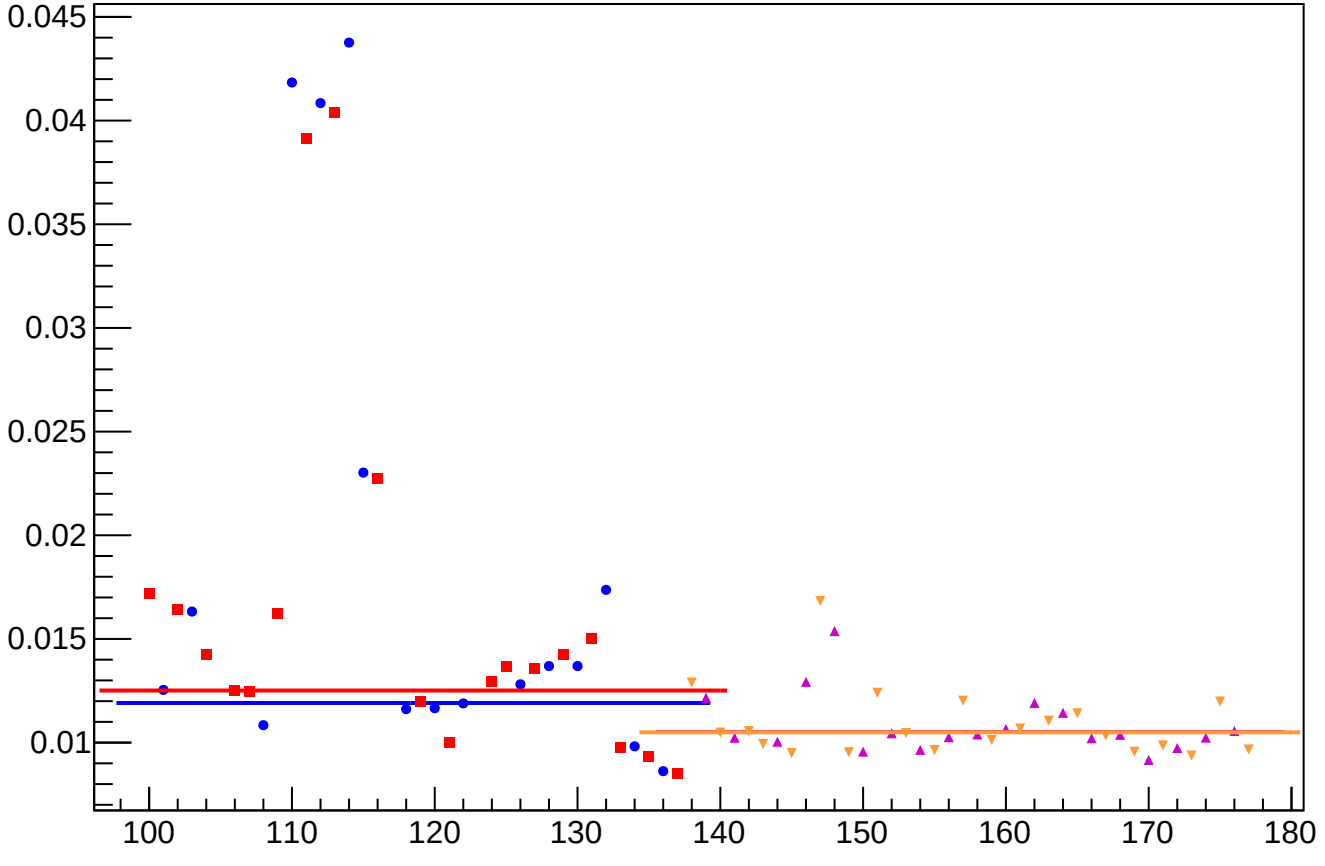
Right: 0.261+/-0.000 χ^2/NDF: 13295182324.5/34

In: 0.067+/-0.000 χ^2/NDF:8256852620.3/34

Out: 0.070+/-0.000 χ^2/NDF:9017703165.6/39

All: 0.069+/-0.000 χ^2/NDF: 17275153352.7/7

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1459428.8/15

Left Out: 0.010+/-0.000 χ^2/NDF:484774.2/20

Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:360564.8/18

Left: 0.011+/-0.000 χ^2/NDF: 845367.8/39

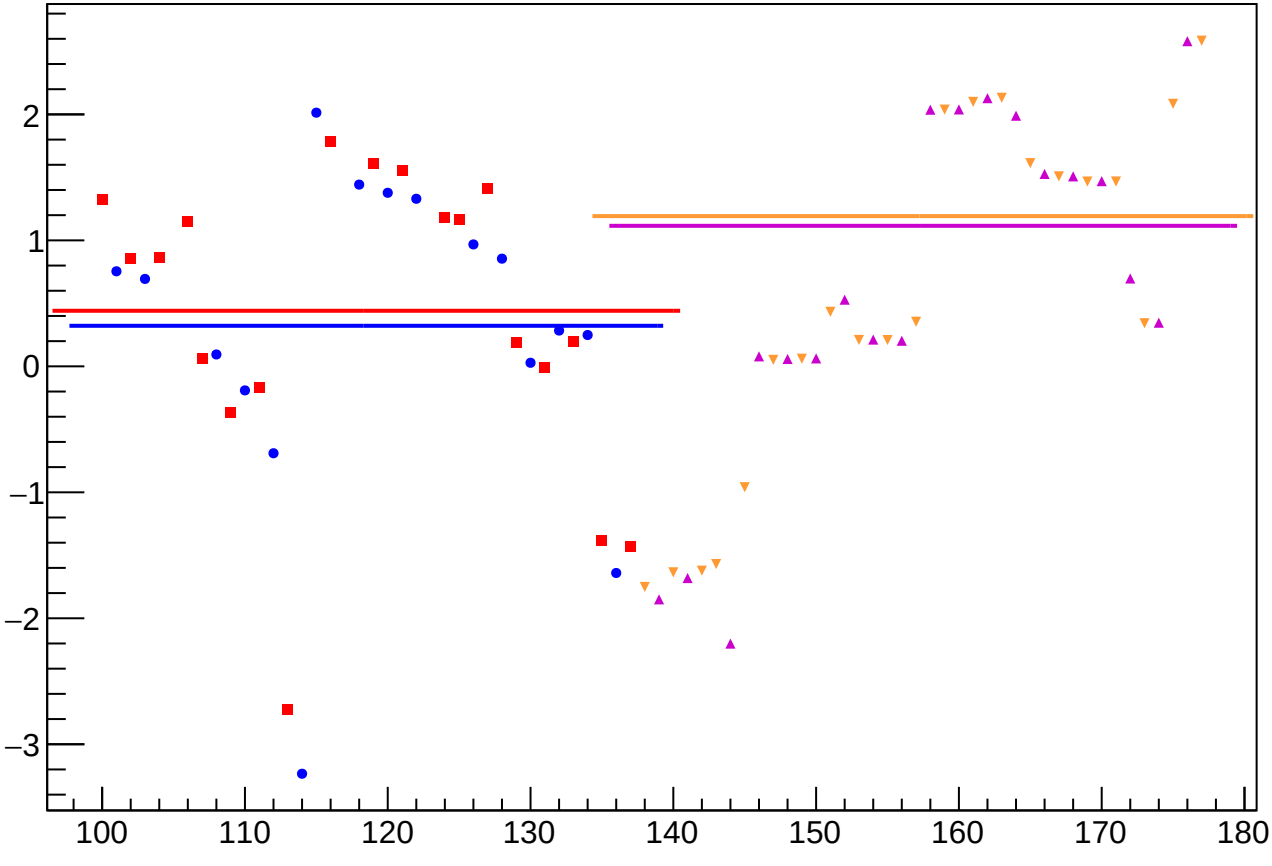
Right: 0.012+/-0.000 χ^2/NDF: 2866610.3/34

In: 0.011+/-0.000 χ^2/NDF:1945257.4/34

Out: 0.011+/-0.000 χ^2/NDF:2127133.5/39

All: 0.011+/-0.000 χ^2/NDF: 4073632.3/74

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: 1.193+/-0.000 χ^2/NDF:40318462255.0/20

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

Left In: 1.116+/-0.000 χ^2/NDF:41914392695.0/18

Left: 1.154+/-0.000 χ^2/NDF: 82380101476.3/39

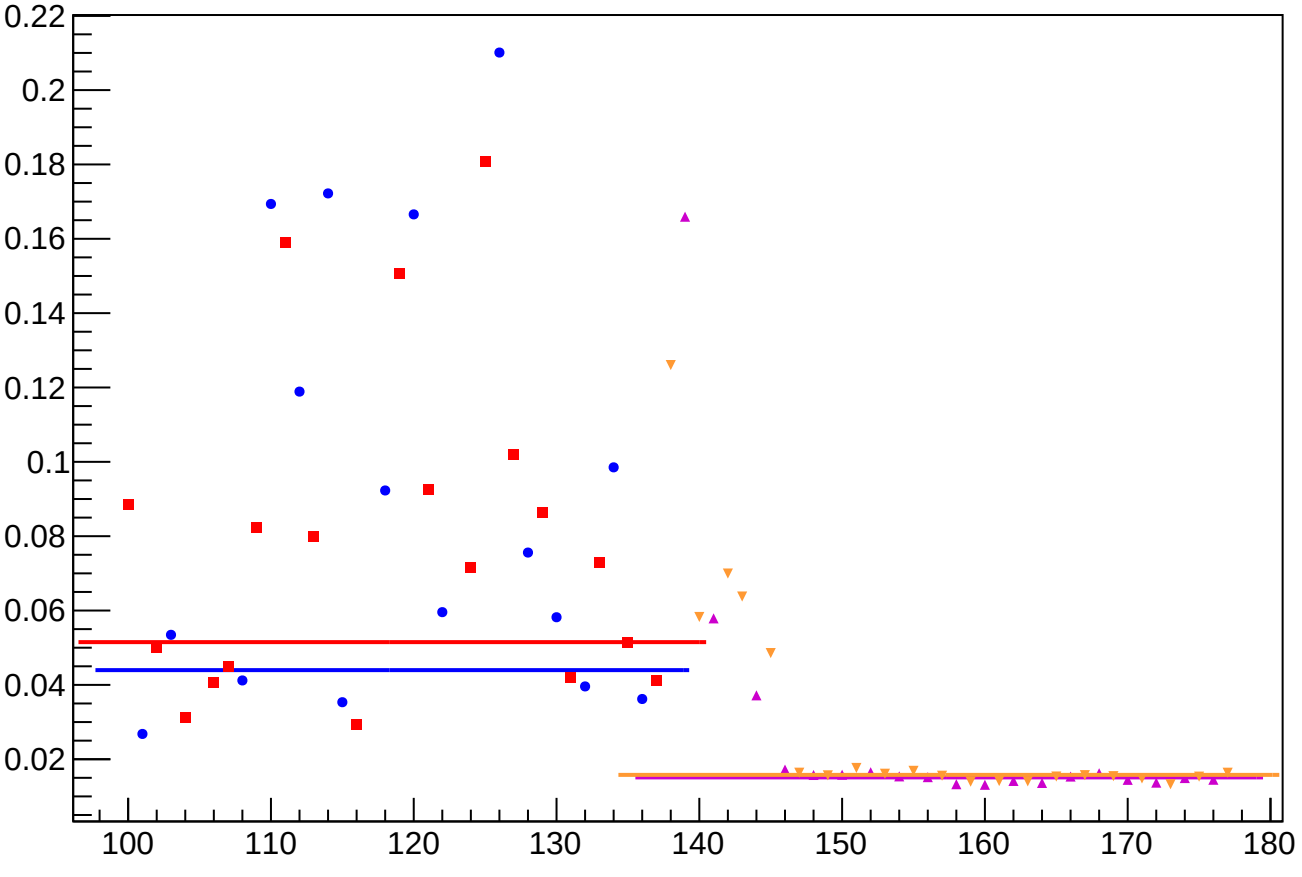
Right: 0.376+/-0.000 χ^2/NDF: 3474475474.1/34

In: 1.086+/-0.000 χ^2/NDF:44782233956.1/34

Out: 1.168+/-0.000 χ^2/NDF:43014344925.5/39

All: 1.126+/-0.000 χ^2/NDF: 87972542150.7/7

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:2944862.1/20

Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.015+/-0.000 χ^2/NDF:2171537.4/18

Left: 0.015+/-0.000 χ^2/NDF: 5139583.8/39

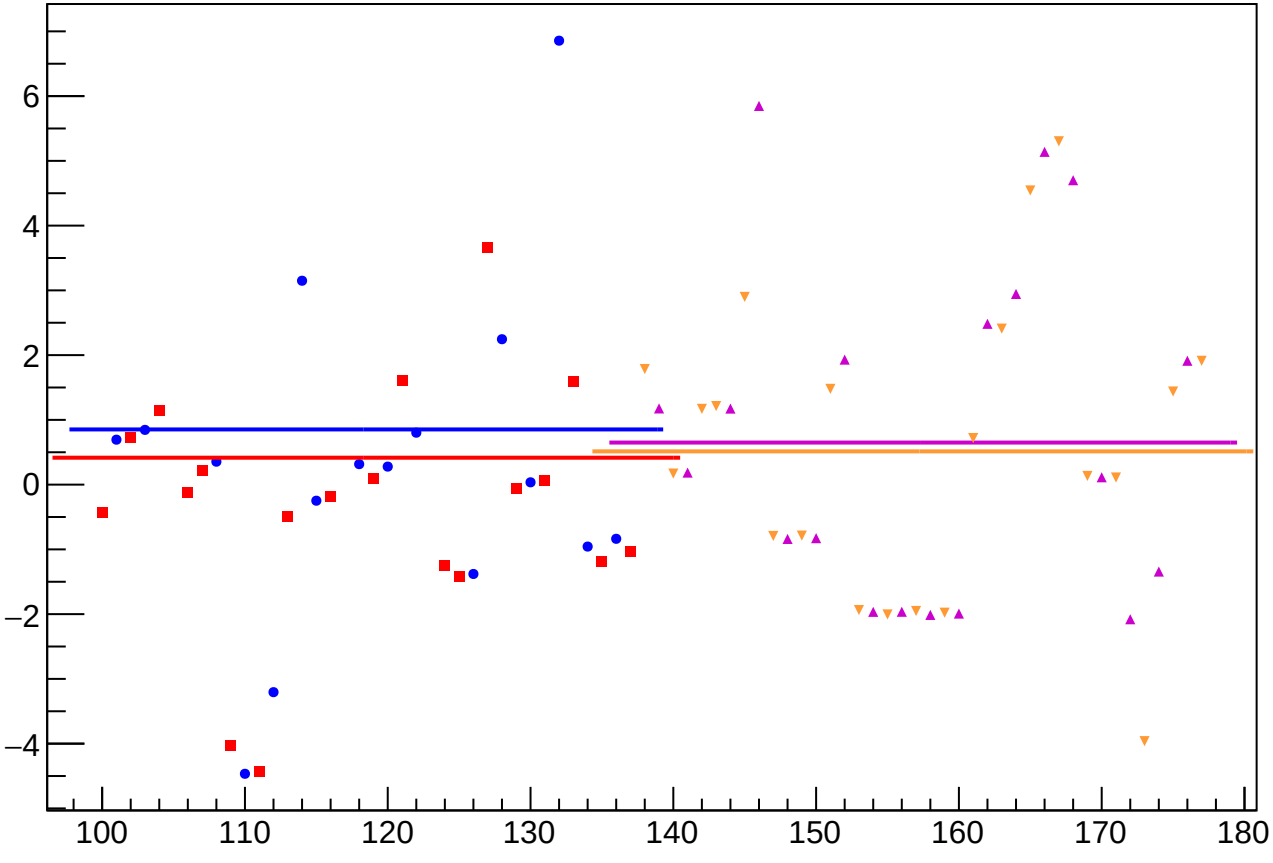
Right: 0.047+/-0.000 χ^2/NDF: 5257025.7/34

In: 0.016+/-0.000 χ^2/NDF:8140072.5/34

Out: 0.017+/-0.000 χ^2/NDF:9374118.4/39

All: 0.017+/-0.000 χ^2/NDF: 17543053.9/74

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

Left Out: 0.514+/-0.000 χ^2/NDF:514461850891.2/20

Right Out: 0.416+/-0.000 χ^2/NDF: 5121892038.7/18

Left In: 0.650+/-0.000 χ^2/NDF:599750082305.8/18

Left: 0.581+/-0.000 χ^2/NDF: 1114952791731.1/39

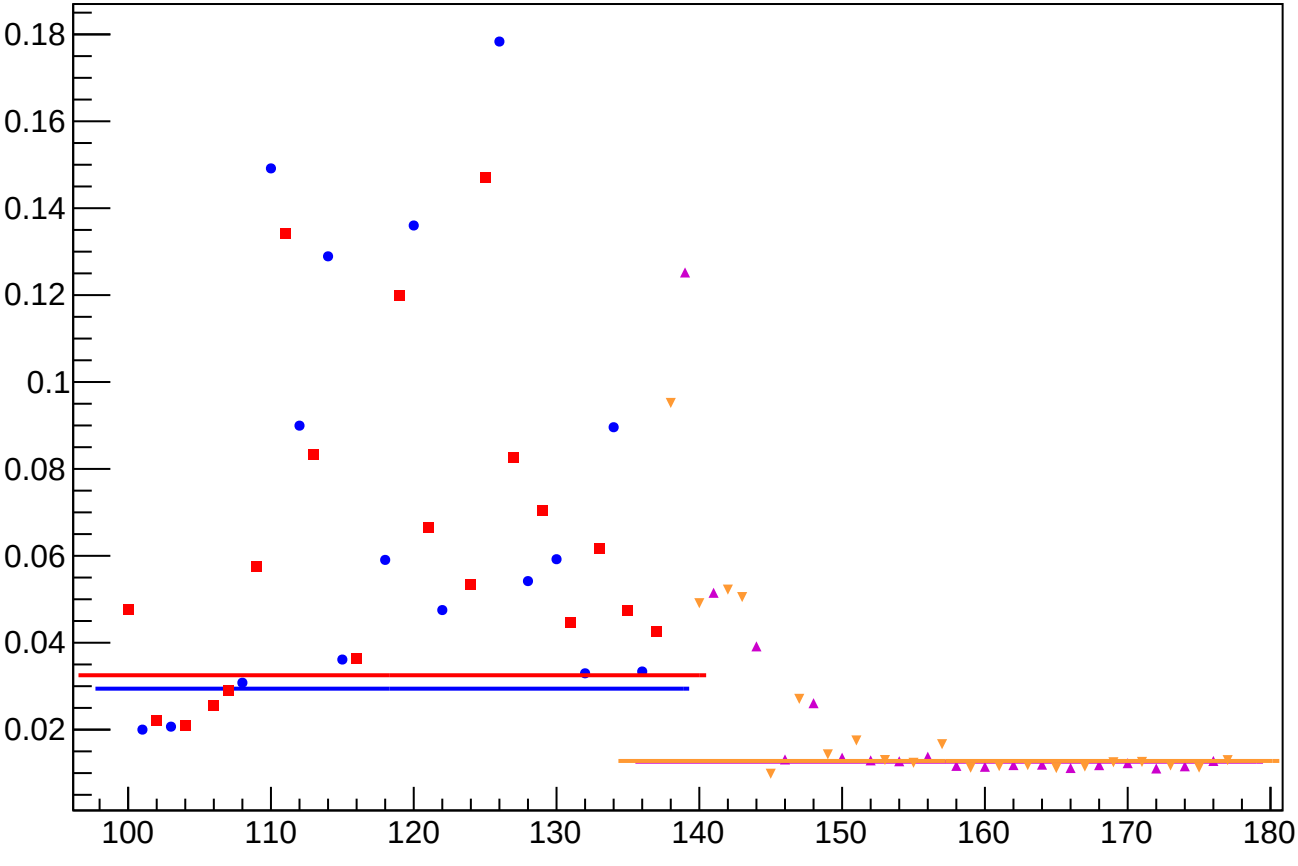
Right: 0.644+/-0.000 χ^2/NDF: 17086077865.4/34

In: 0.660+/-0.000 χ^2/NDF:611492242969.8/34

Out: 0.509+/-0.000 χ^2/NDF:519619371224.6/39

All: 0.584+/-0.000 χ^2/NDF: 1132069072063.

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:3162164.9/20

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

Left In: 0.013+/-0.000 χ^2/NDF:2734314.6/18

Left: 0.013+/-0.000 χ^2/NDF: 5898810.5/39

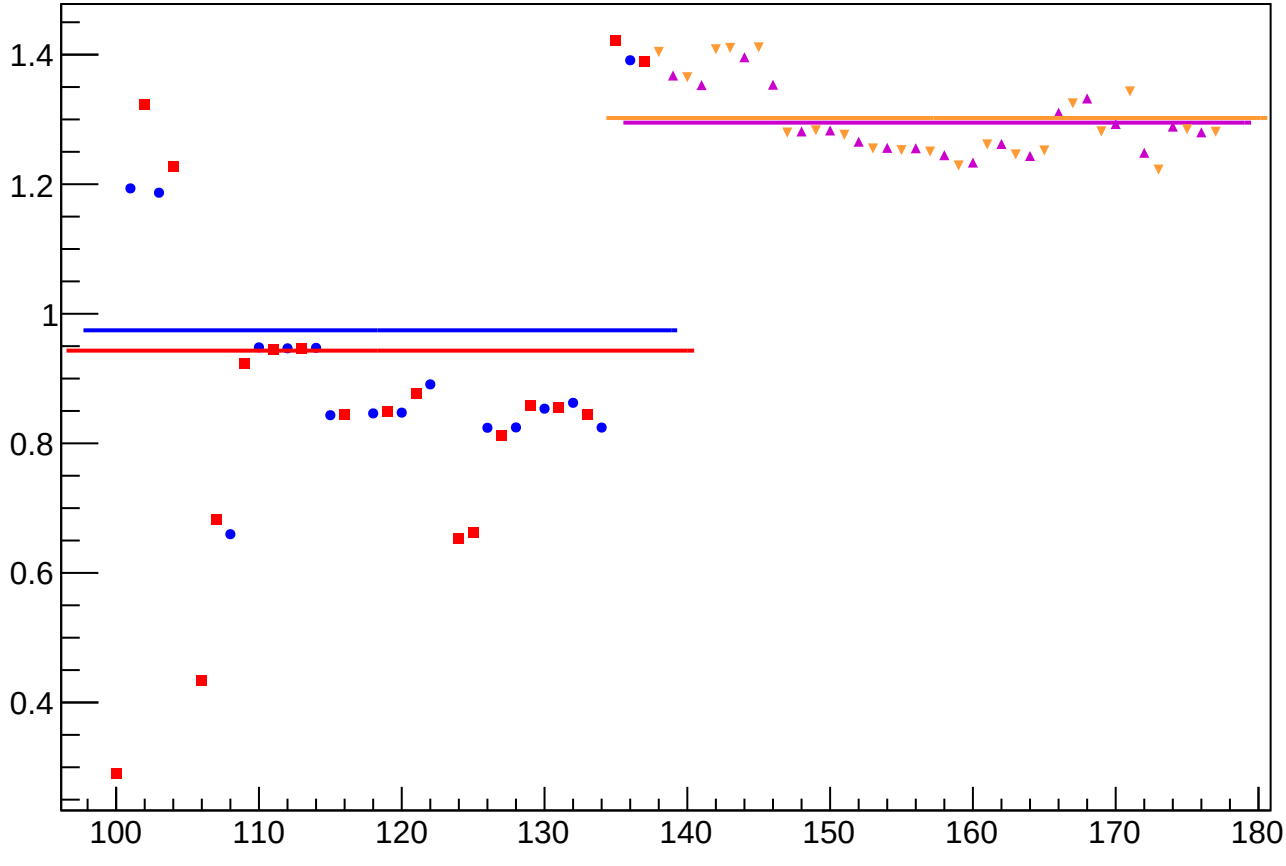
Right: 0.031+/-0.000 χ^2/NDF: 6546669.2/34

In: 0.013+/-0.000 χ^2/NDF:8210410.4/34

Out: 0.014+/-0.000 χ^2/NDF:9372708.1/39

All: 0.014+/-0.000 χ^2/NDF: 17587528.3/74

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.302+/-0.000 χ^2/NDF:300024574.0/20

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

Left In: 1.295+/-0.000 χ^2/NDF:165572400.4/18

Left: 1.299+/-0.000 χ^2/NDF: 467551541.8/39

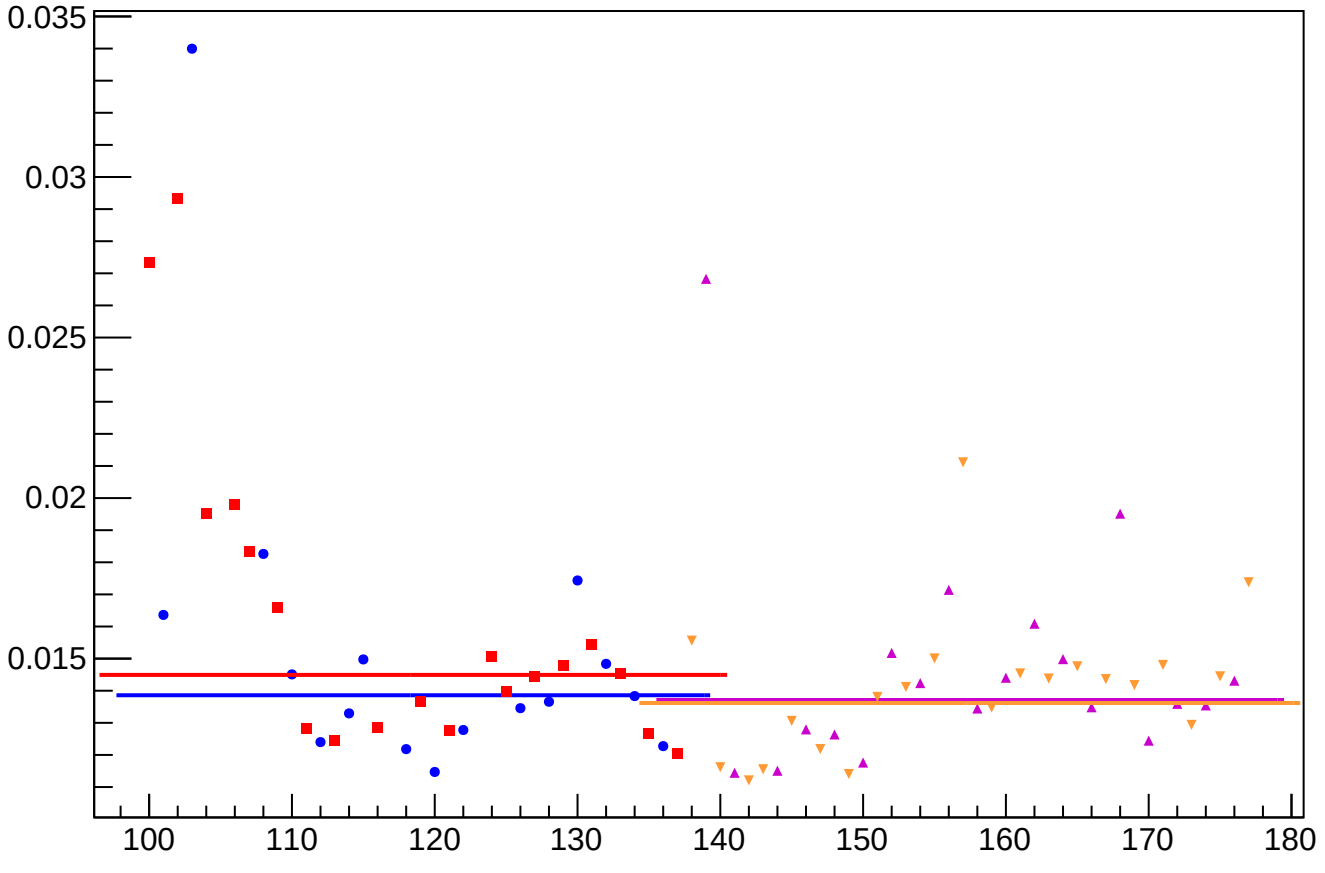
Right: 0.959+/-0.000 χ^2/NDF: 3144762694.7/34

In: 1.196+/-0.000 χ^2/NDF:3925355969.8/34

Out: 1.201+/-0.000 χ^2/NDF:4800652741.9/39

All: 1.199+/-0.000 χ^2/NDF: 8727349184.6/74

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:504917.0/20

Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

Left In: 0.014+/-0.000 χ^2/NDF:844744.9/18

Left: 0.014+/-0.000 χ^2/NDF: 1350317.1/39

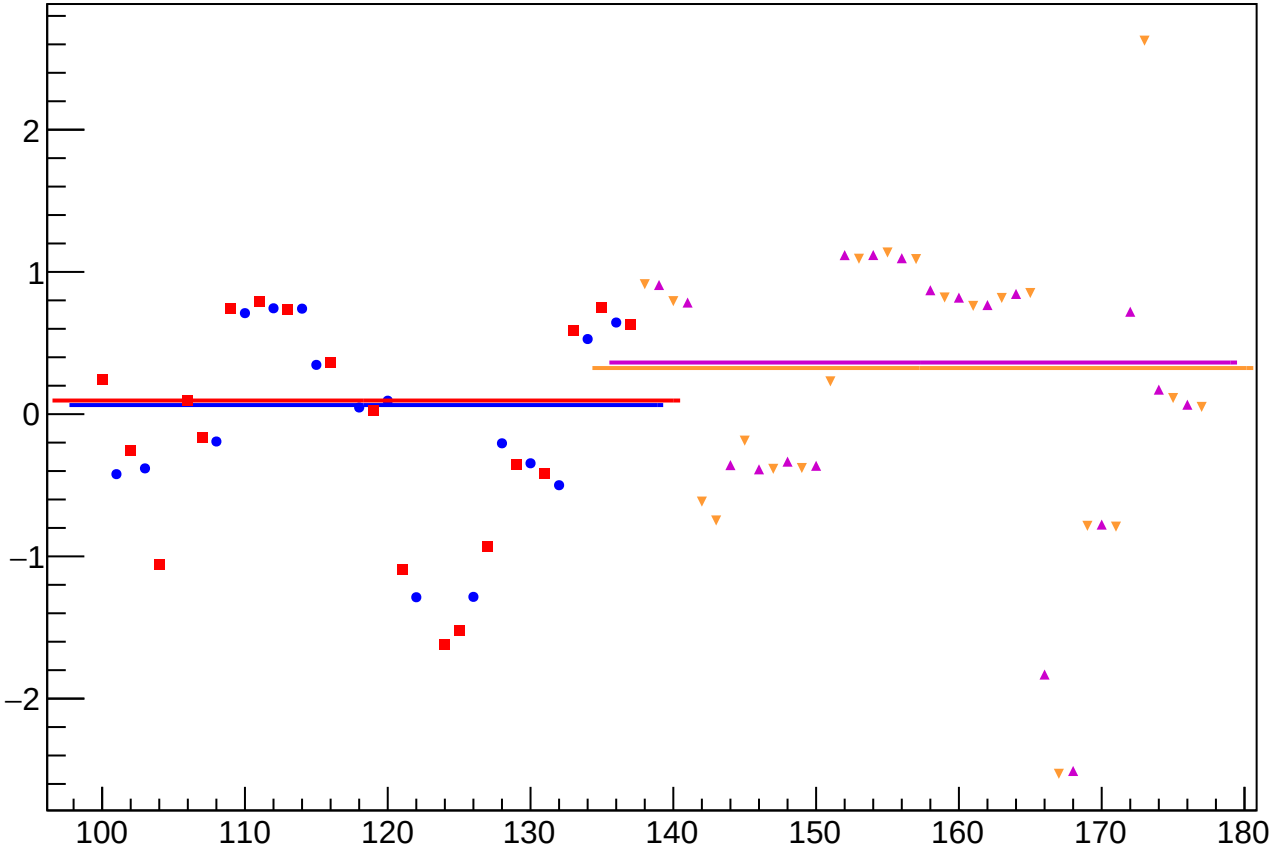
Right: 0.014+/-0.000 χ^2/NDF: 1156942.1/34

In: 0.014+/-0.000 χ^2/NDF:1445701.9/34

Out: 0.014+/-0.000 χ^2/NDF:1082850.5/39

All: 0.014+/-0.000 χ^2/NDF: 2529778.8/74

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.324+/-0.000 χ^2/NDF:100490687130.6/20

Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

Left In: 0.363+/-0.000 χ^2/NDF:84691706488.2/18

Left: 0.343+/-0.000 χ^2/NDF: 185258605234.7/39

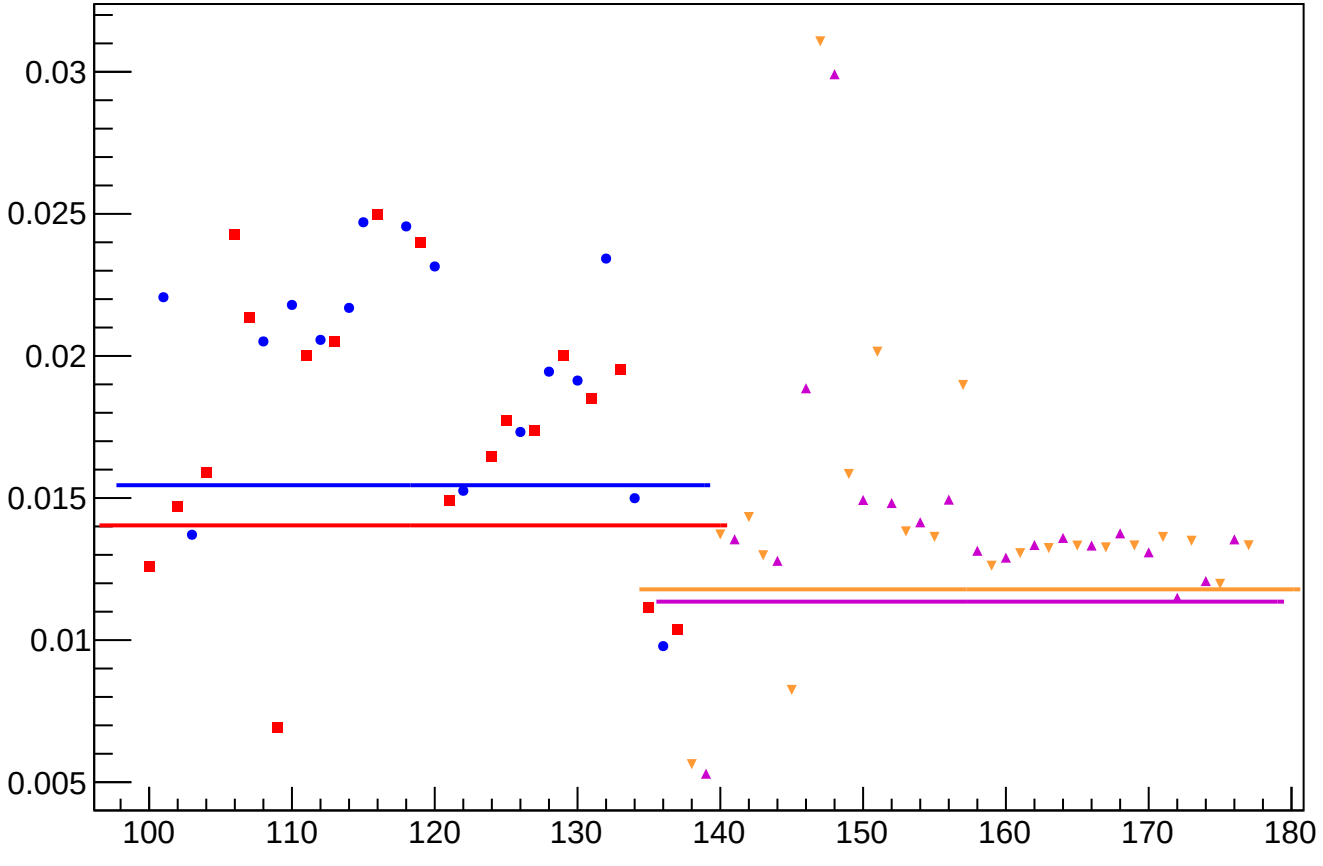
Right: 0.081+/-0.000 χ^2/NDF: 28834701842.2/34

In: 0.303+/-0.000 χ^2/NDF:97528441290.1/34

Out: 0.273+/-0.000 χ^2/NDF:119479306184.1/39

All: 0.288+/-0.000 χ^2/NDF: 217068153449.2

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:3222251.1/20

Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

Left In: 0.011+/-0.000 χ^2/NDF:3609821.2/18

Left: 0.012+/-0.000 χ^2/NDF: 6851075.2/39

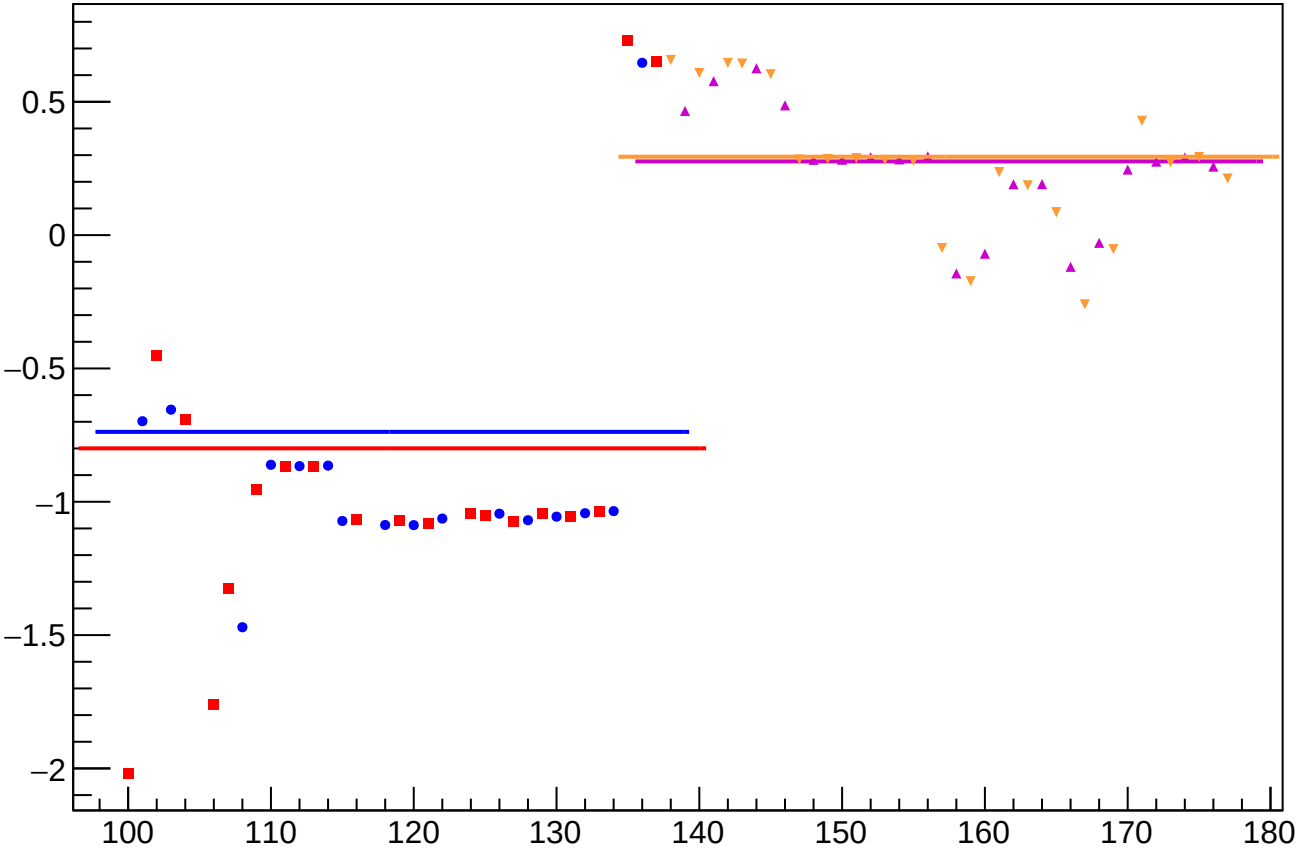
Right: 0.015+/-0.000 χ^2/NDF: 3034802.2/34

In: 0.012+/-0.000 χ^2/NDF:5579545.0/34

Out: 0.012+/-0.000 χ^2/NDF:5142783.7/39

All: 0.012+/-0.000 χ^2/NDF: 10724273.3/74

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.294+/-0.000 χ^2/NDF:750015630.4/20

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

Left In: 0.276+/-0.000 χ^2/NDF:502071009.5/18

Left: 0.286+/-0.000 χ^2/NDF: 1253830744.5/39

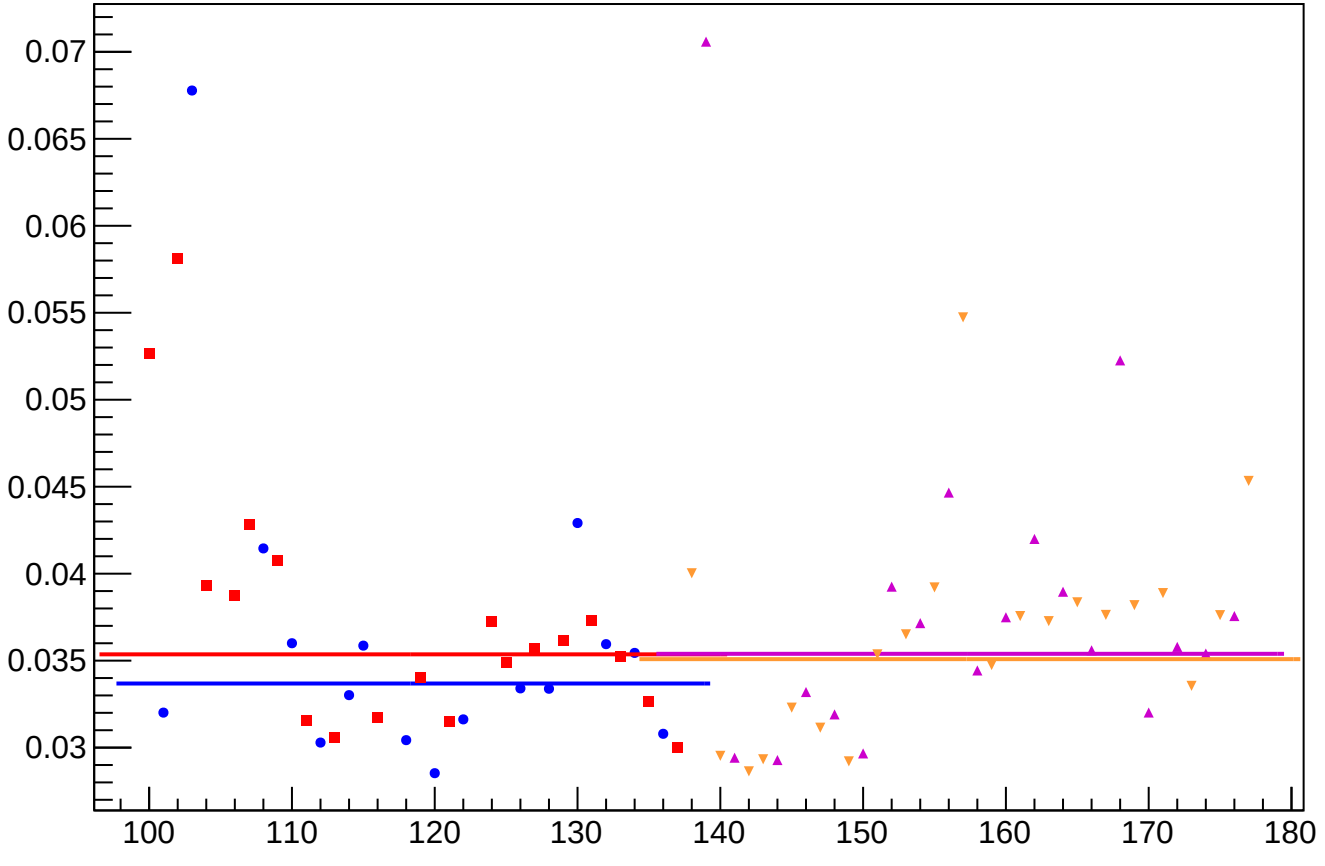
Right: -0.768+/-0.000 χ^2/NDF: 3966960462.4/34

In: -0.068+/-0.000 χ^2/NDF:6347383067.1/34

Out: -0.042+/-0.000 χ^2/NDF:6918533896.4/39

All: -0.055+/-0.000 χ^2/NDF: 13271524759.1/

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:568031.9/20

Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

Left In: 0.035+/-0.000 χ^2/NDF:933481.3/18

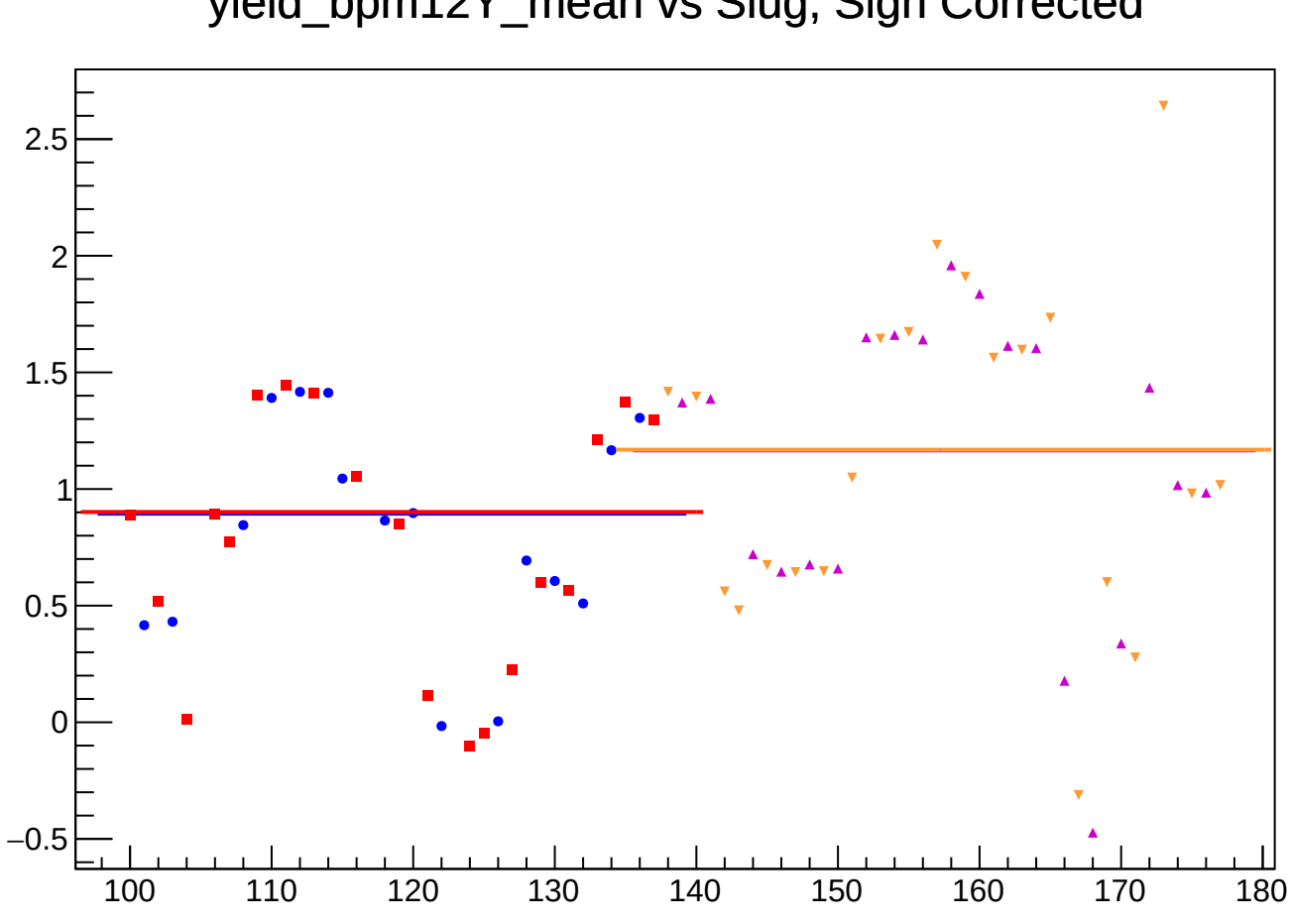
Left: 0.035+/-0.000 χ^2/NDF: 1502567.5/39

Right: 0.034+/-0.000 χ^2/NDF: 731644.4/34

In: 0.035+/-0.000 χ^2/NDF:1375095.1/34

Out: 0.035+/-0.000 χ^2/NDF:864931.9/39

All: 0.035+/-0.000 χ^2/NDF: 2242156.8/74



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.169+/-0.000 χ^2/NDF:85985129170.1/20

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

Left In: 1.166+/-0.000 χ^2/NDF:66341361608.1/18

Left: 1.167+/-0.000 χ^2/NDF: 152327240489.7/39

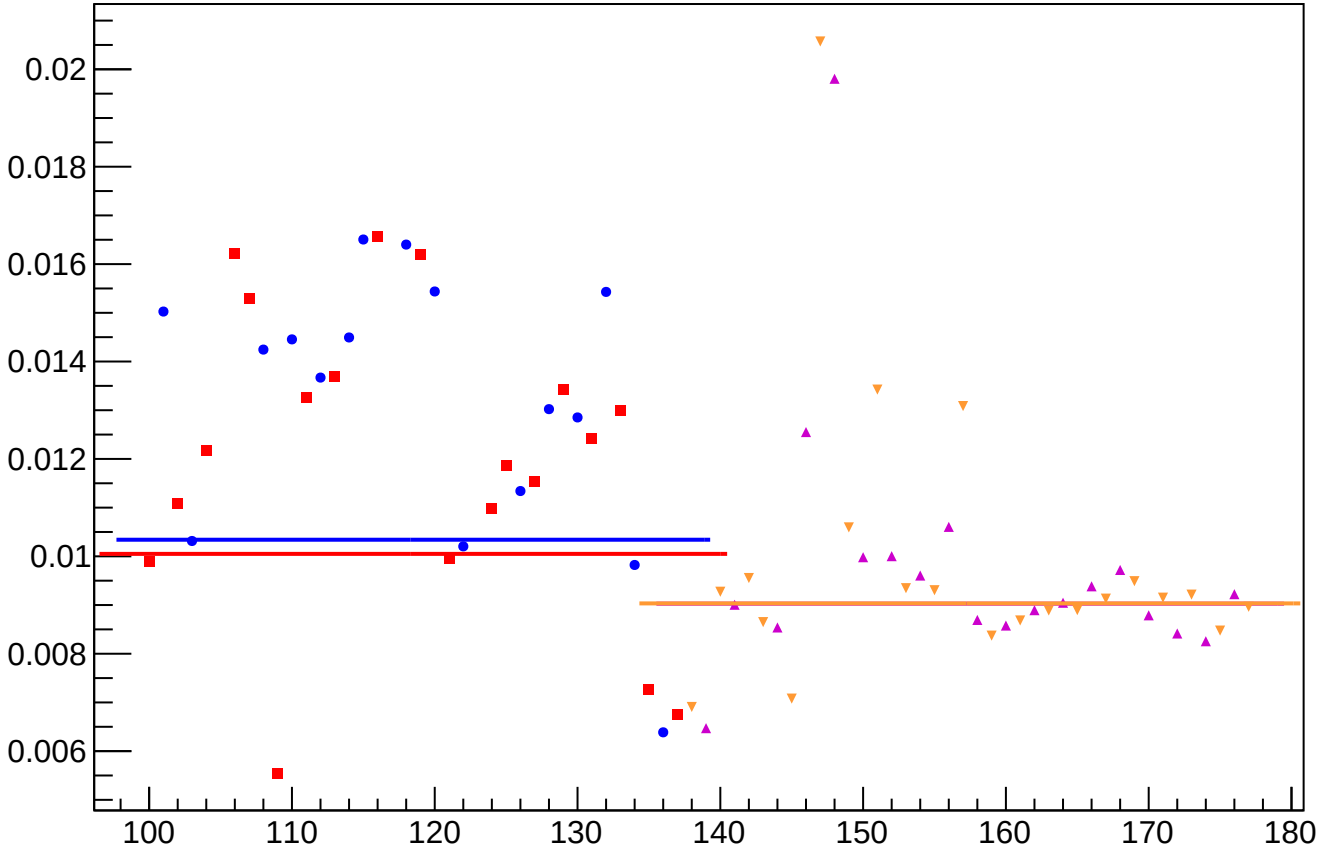
Right: 0.898+/-0.000 χ^2/NDF: 30644277544.6/34

In: 1.100+/-0.000 χ^2/NDF:82209446947.7/34

Out: 1.104+/-0.000 χ^2/NDF:107137486677.7/39

All: 1.102+/-0.000 χ^2/NDF: 189348624016.9

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:1135611.5/20

Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

Left In: 0.009+/-0.000 χ^2/NDF:952822.8/18

Left: 0.009+/-0.000 χ^2/NDF: 2088439.6/39

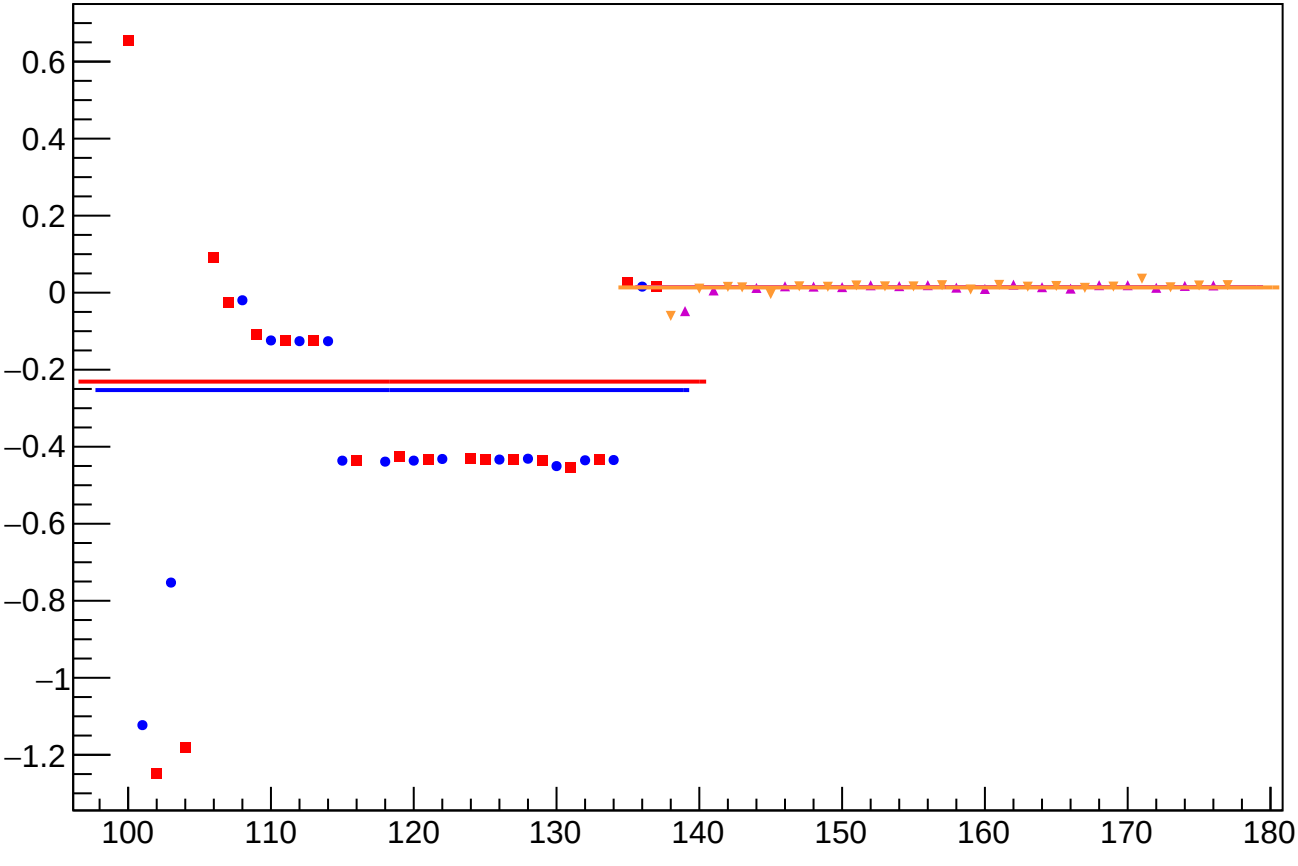
Right: 0.010+/-0.000 χ^2/NDF: 2692207.1/34

In: 0.009+/-0.000 χ^2/NDF:2449186.2/34

Out: 0.009+/-0.000 χ^2/NDF:2566981.6/39

All: 0.009+/-0.000 χ^2/NDF: 5017191.9/74

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: 0.014+/-0.000 χ^2/NDF:27876073.9/20

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

Left In: 0.015+/-0.000 χ^2/NDF:6951588.6/18

Left: 0.014+/-0.000 χ^2/NDF: 34896983.8/39

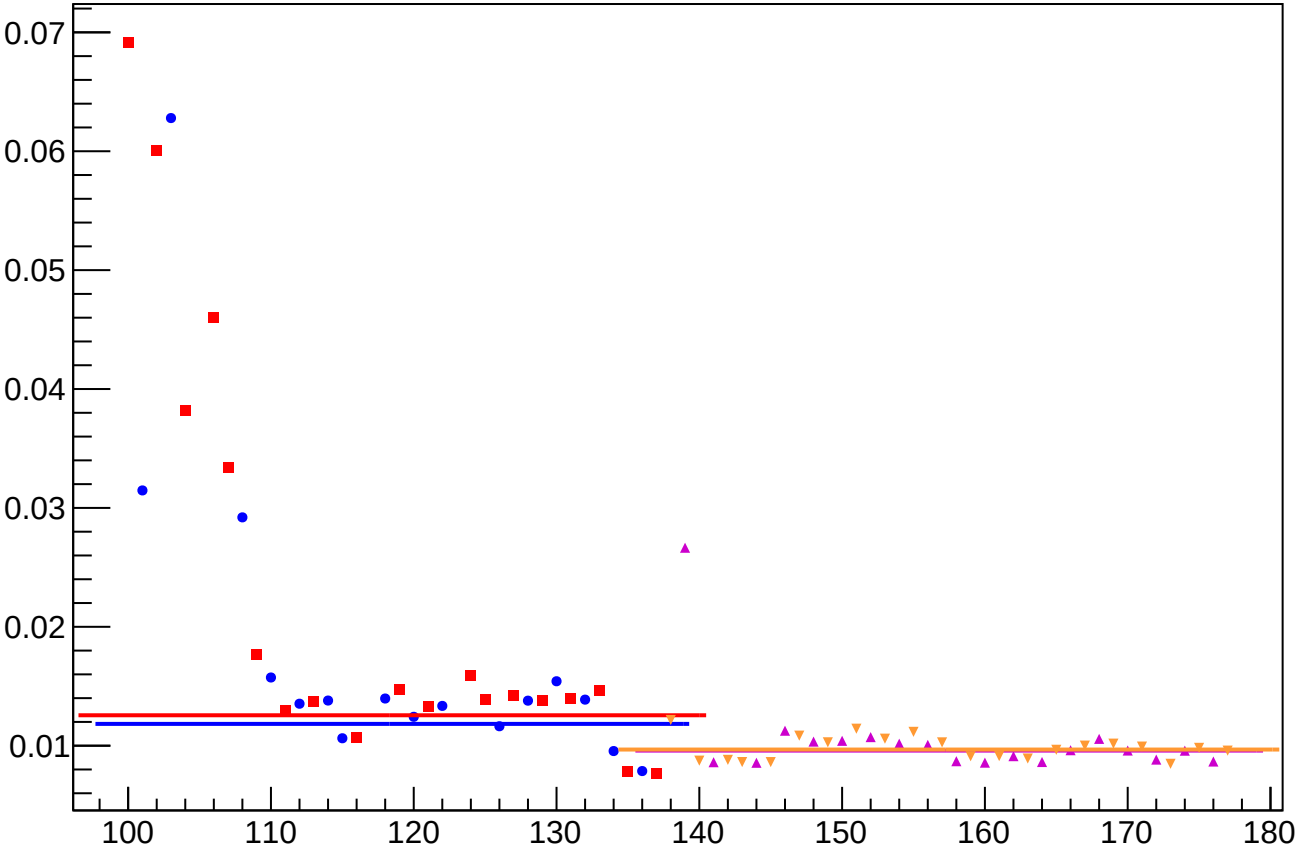
Right: -0.243+/-0.000 χ^2/NDF: 3842049612.8/34

In: -0.040+/-0.000 χ^2/NDF:4058553189.8/34

Out: -0.029+/-0.000 χ^2/NDF:3403058741.6/39

All: -0.034+/-0.000 χ^2/NDF: 7471302883.9/7

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:254370.5/20

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

Left In: 0.010+/-0.000 χ^2/NDF:881814.1/18

Left: 0.010+/-0.000 χ^2/NDF: 1137314.1/39

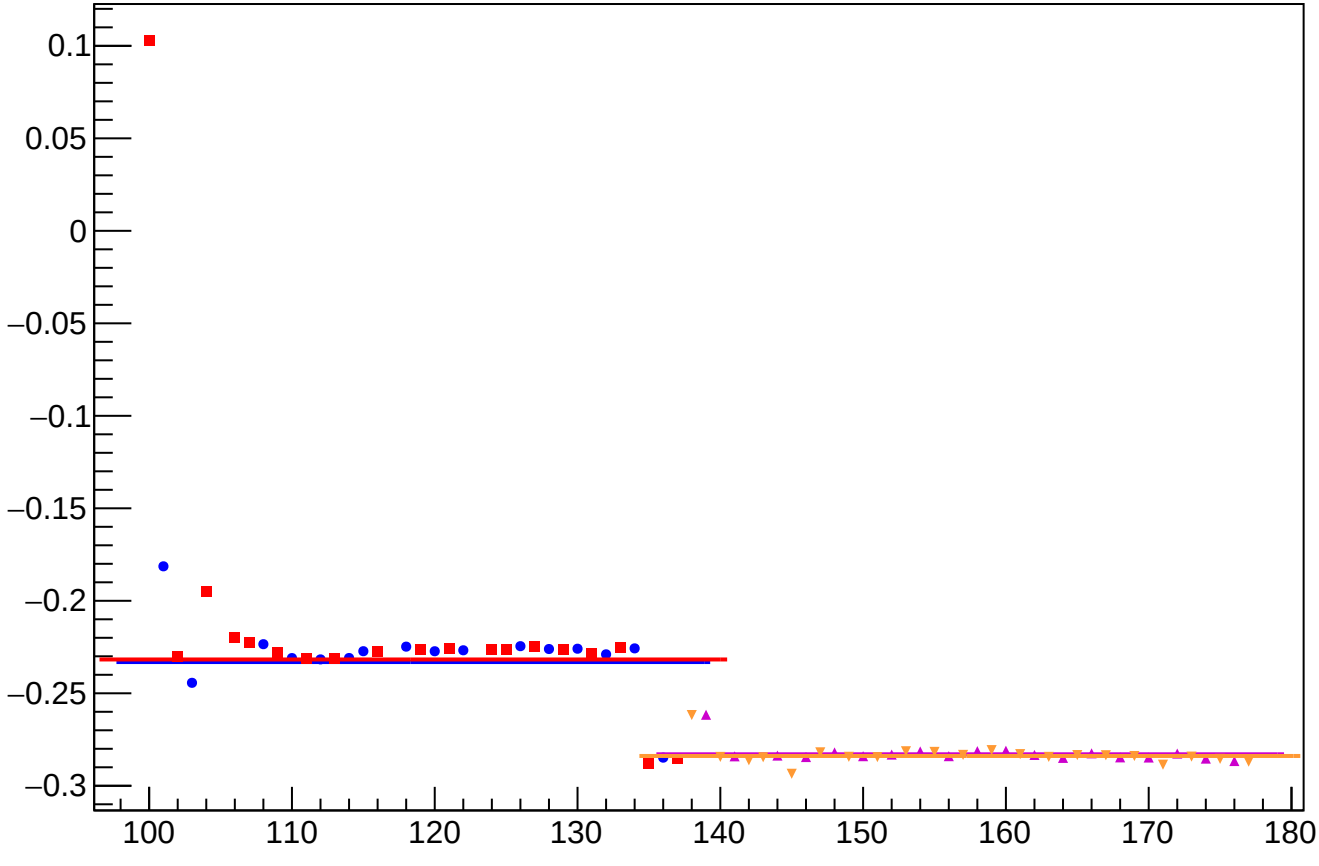
Right: 0.012+/-0.000 χ^2/NDF: 4177625.3/34

In: 0.010+/-0.000 χ^2/NDF:3110006.6/34

Out: 0.010+/-0.000 χ^2/NDF:2907226.7/39

All: 0.010+/-0.000 χ^2/NDF: 6020628.9/74

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.233+/-0.000 χ^2/NDF: 199059878.3/15

Left Out: -0.284+/-0.000 χ^2/NDF:16220706.5/20

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

Left In: -0.283+/-0.000 χ^2/NDF:7299759.4/18

Left: -0.283+/-0.000 χ^2/NDF: 23755919.3/39

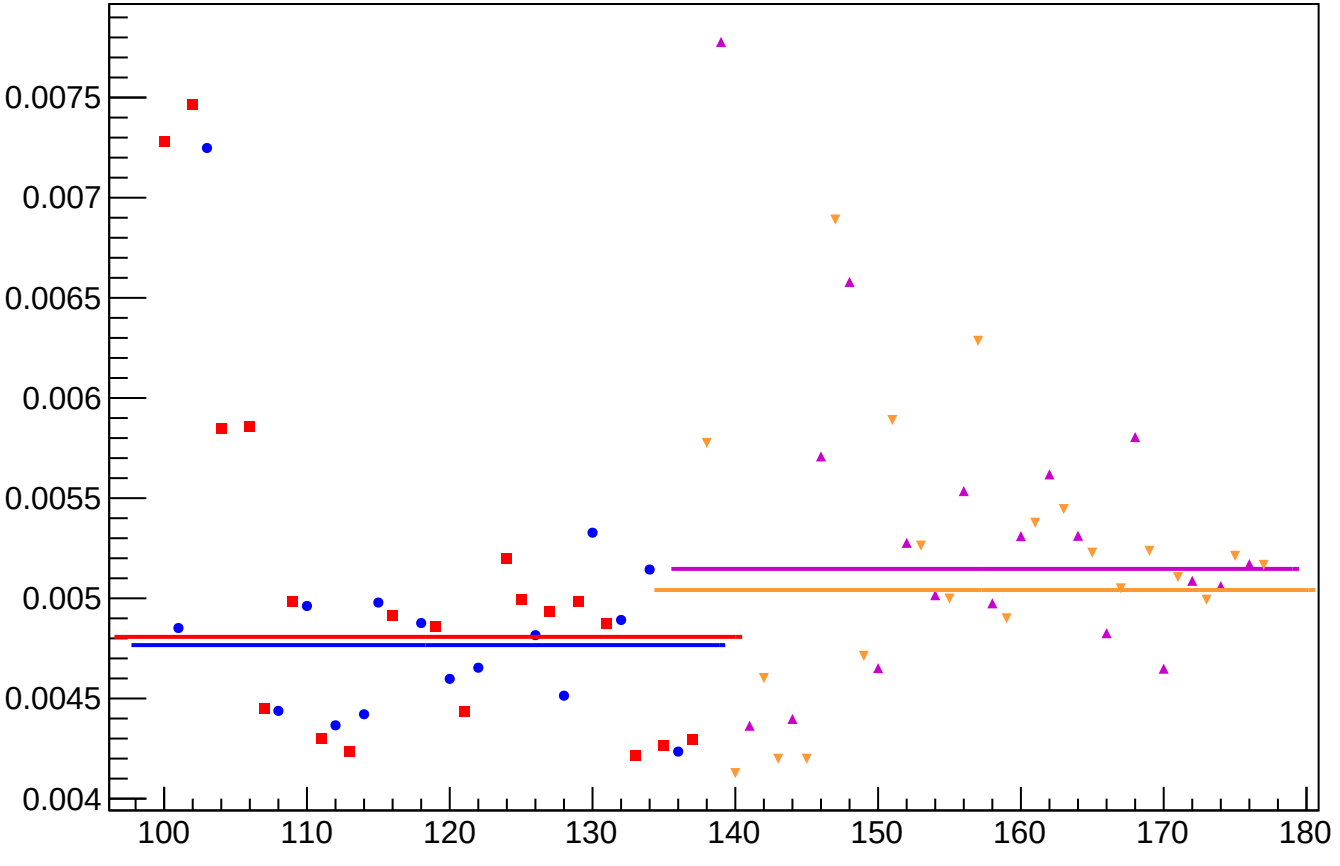
Right: -0.232+/-0.000 χ^2/NDF: 486580881.0/34

In: -0.266+/-0.000 χ^2/NDF:670768636.9/34

Out: -0.267+/-0.000 χ^2/NDF:838493405.0/39

All: -0.267+/-0.000 χ^2/NDF: 1509793808.3/7

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:459424.7/20

Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

Left In: 0.005+/-0.000 χ^2/NDF:463866.6/18

Left: 0.005+/-0.000 χ^2/NDF: 929717.2/39

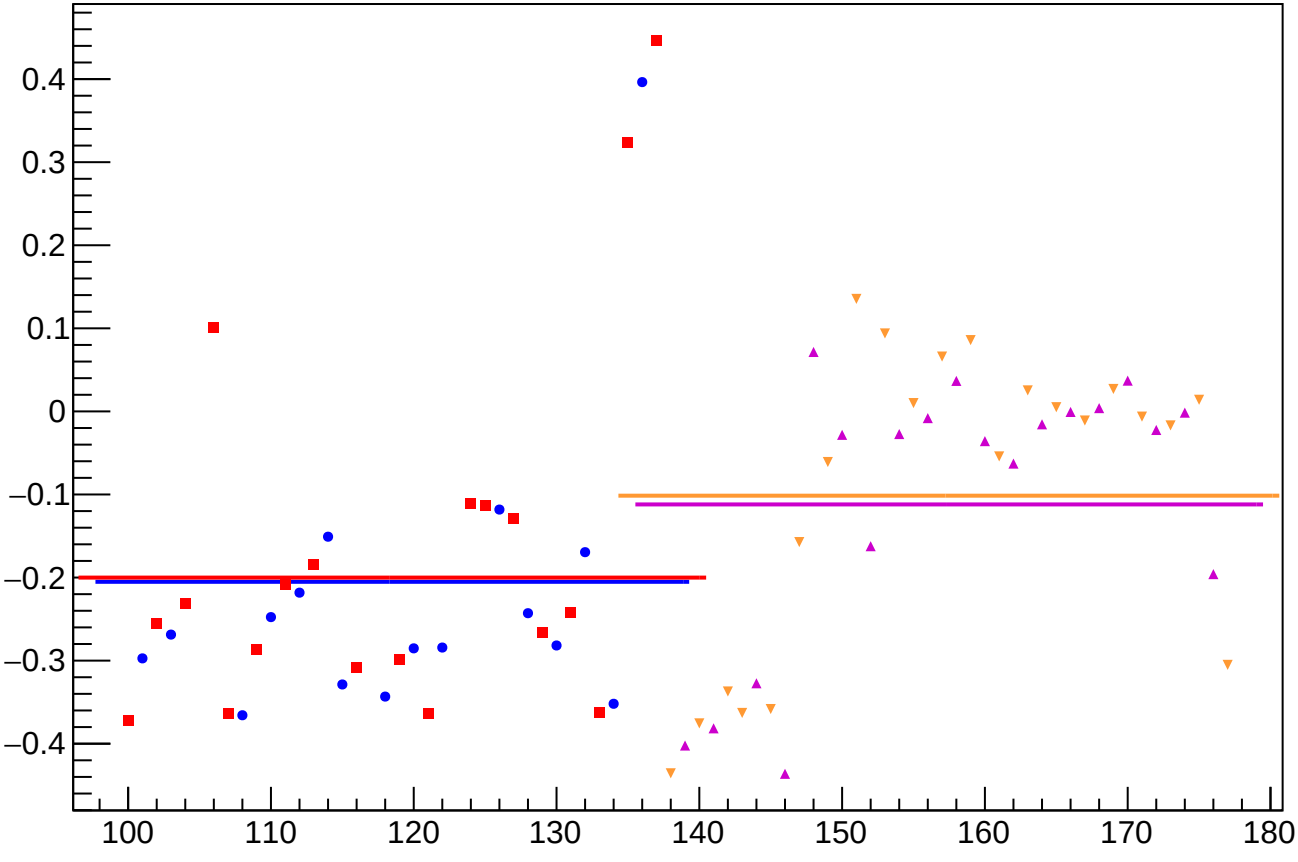
Right: 0.005+/-0.000 χ^2/NDF: 485985.9/34

In: 0.005+/-0.000 χ^2/NDF:709706.3/34

Out: 0.005+/-0.000 χ^2/NDF:774652.1/39

All: 0.005+/-0.000 χ^2/NDF: 1486608.1/74

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.101+/-0.000 χ^2/NDF:17714147336.3/20

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

Left In: -0.112+/-0.000 χ^2/NDF:12457222365.2/18

Left: -0.106+/-0.000 χ^2/NDF: 30199246612.3/39

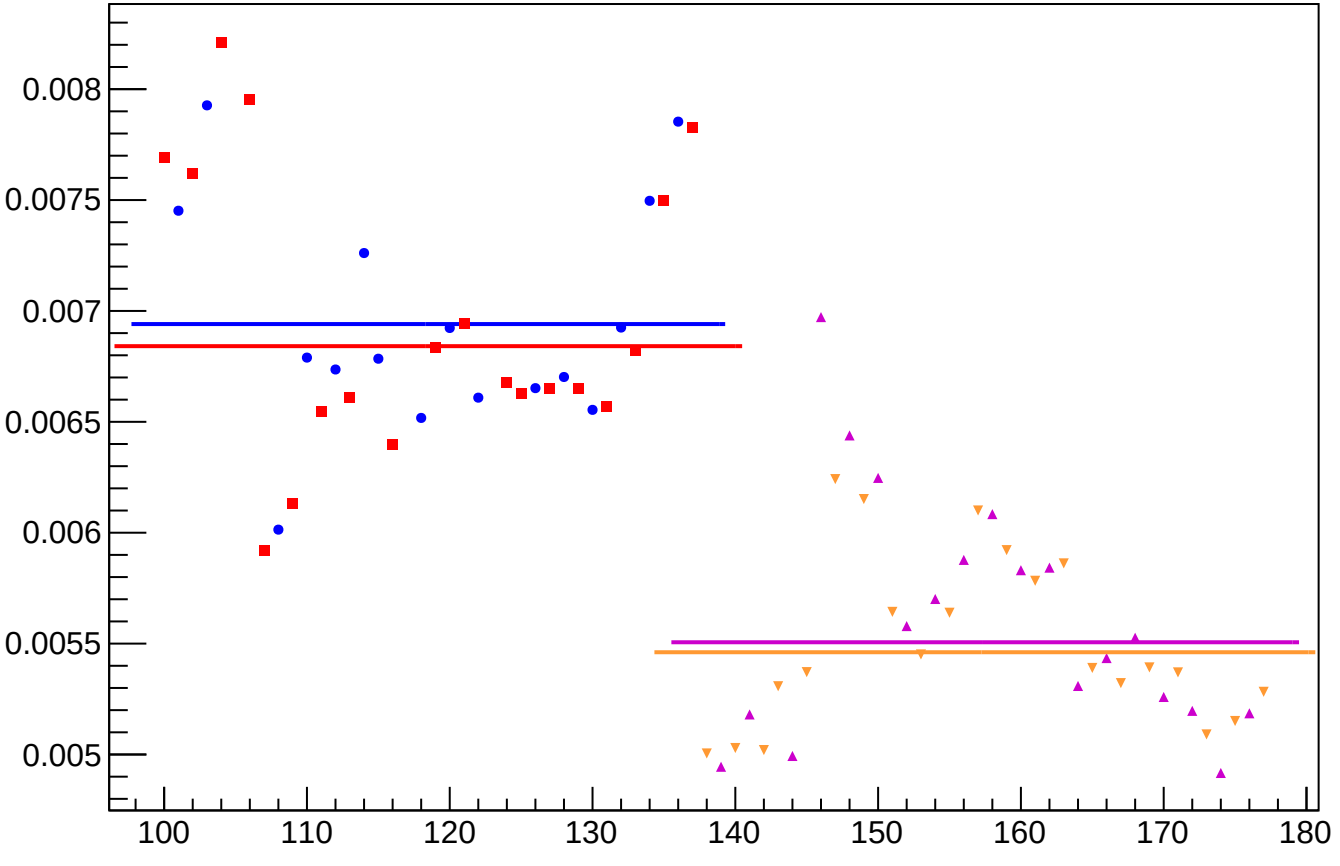
Right: -0.203+/-0.000 χ^2/NDF: 11441176033.3/34

In: -0.134+/-0.000 χ^2/NDF:19617579914.6/34

Out: -0.124+/-0.000 χ^2/NDF:24124188061.8/39

All: -0.129+/-0.000 χ^2/NDF: 43774321914.6/

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:133920.5/20

Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.006+/-0.000 χ^2/NDF:235204.1/18

Left: 0.005+/-0.000 χ^2/NDF: 370141.0/39

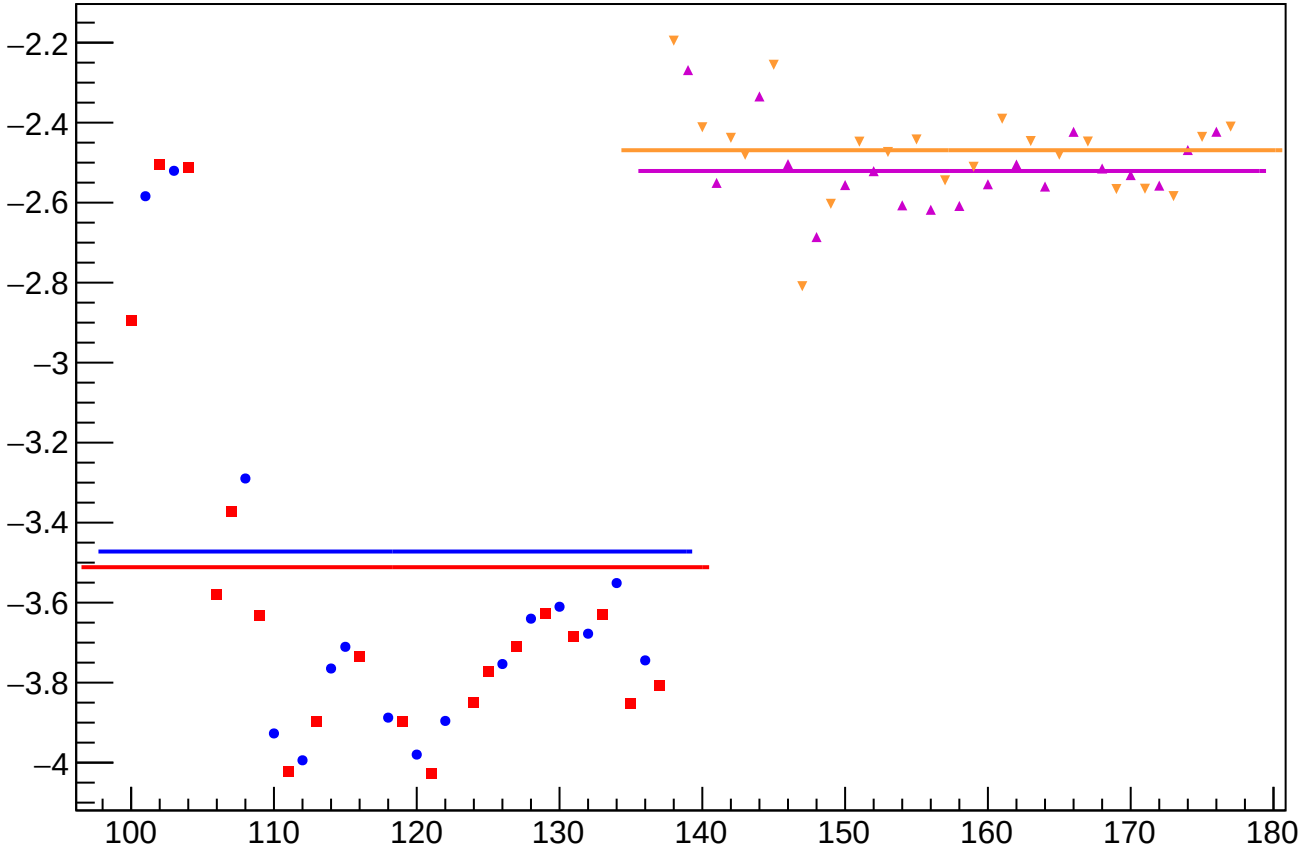
Right: 0.007+/-0.000 χ^2/NDF: 186467.2/34

In: 0.006+/-0.000 χ^2/NDF:781250.9/34

Out: 0.006+/-0.000 χ^2/NDF:688256.1/39

All: 0.006+/-0.000 χ^2/NDF: 1472521.9/74

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.469+/-0.000 χ^2/NDF:2101361259.9/20

Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

Left In: -2.521+/-0.000 χ^2/NDF:1556249932.7/18

Left: -2.494+/-0.000 χ^2/NDF: 3938283522.9/39

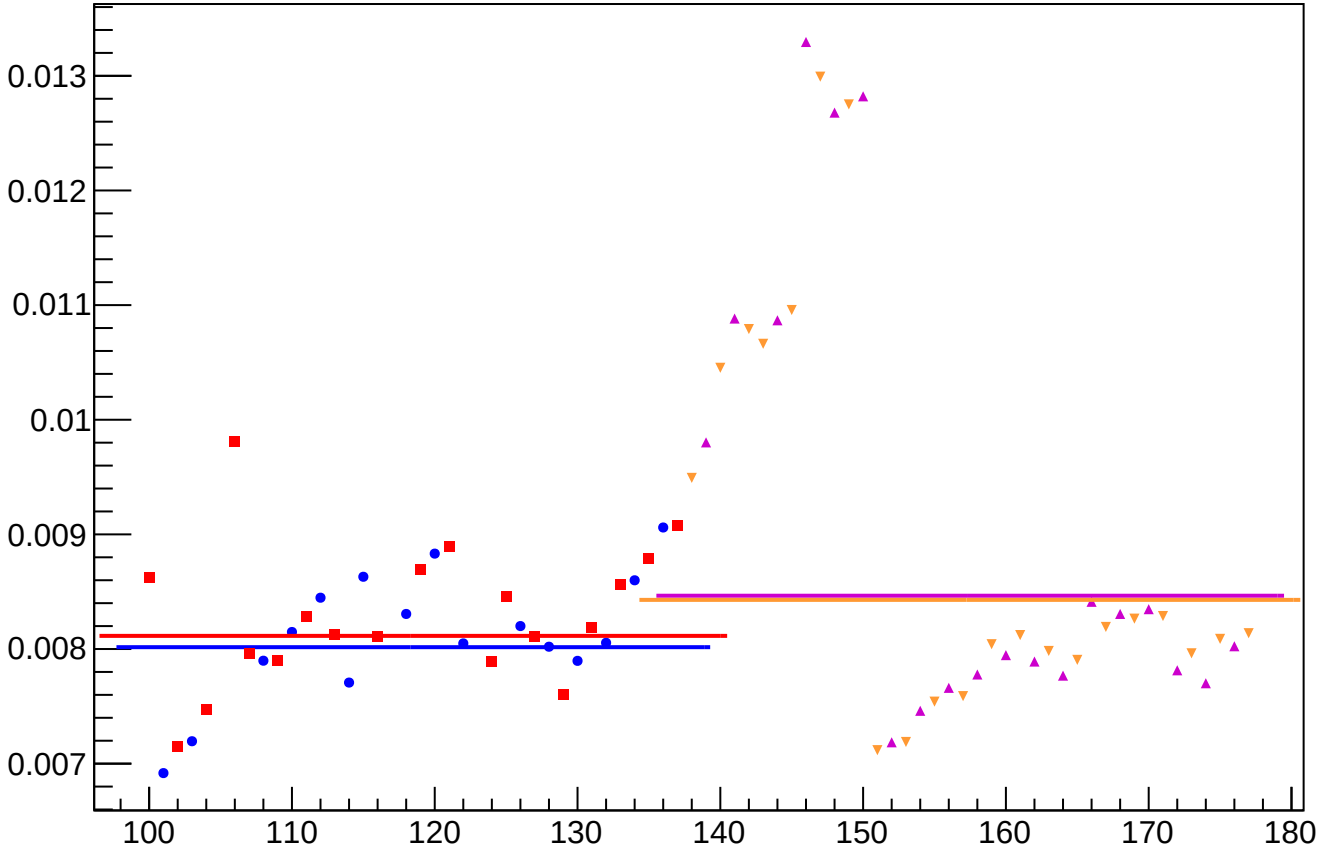
Right: -3.492+/-0.000 χ^2/NDF: 59392057159.0/34

In: -2.856+/-0.000 χ^2/NDF:94920007935.8/34

Out: -2.815+/-0.000 χ^2/NDF:110261249305.8/39

All: -2.835+/-0.000 χ^2/NDF: 205445527016.8

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:761156.8/20

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

Left In: 0.008+/-0.000 χ^2/NDF:888595.0/18

Left: 0.008+/-0.000 χ^2/NDF: 1650025.8/39

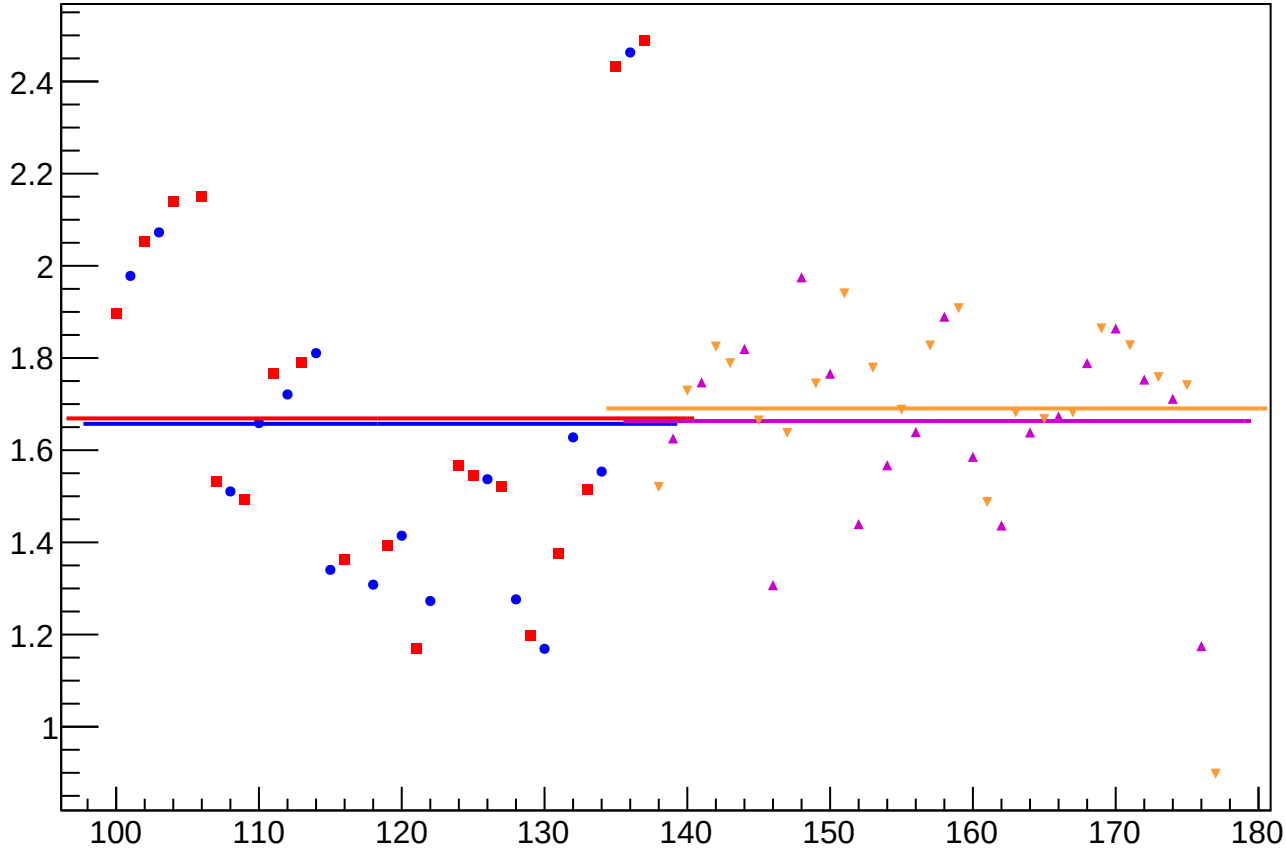
Right: 0.008+/-0.000 χ^2/NDF: 158353.0/34

In: 0.008+/-0.000 χ^2/NDF:1003213.7/34

Out: 0.008+/-0.000 χ^2/NDF:846457.9/39

All: 0.008+/-0.000 χ^2/NDF: 1849769.1/74

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.691+/-0.000 χ^2/NDF:6610220719.3/20

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

Left In: 1.663+/-0.000 χ^2/NDF:4243357793.0/18

Left: 1.678+/-0.000 χ^2/NDF: 10899399504.7/39

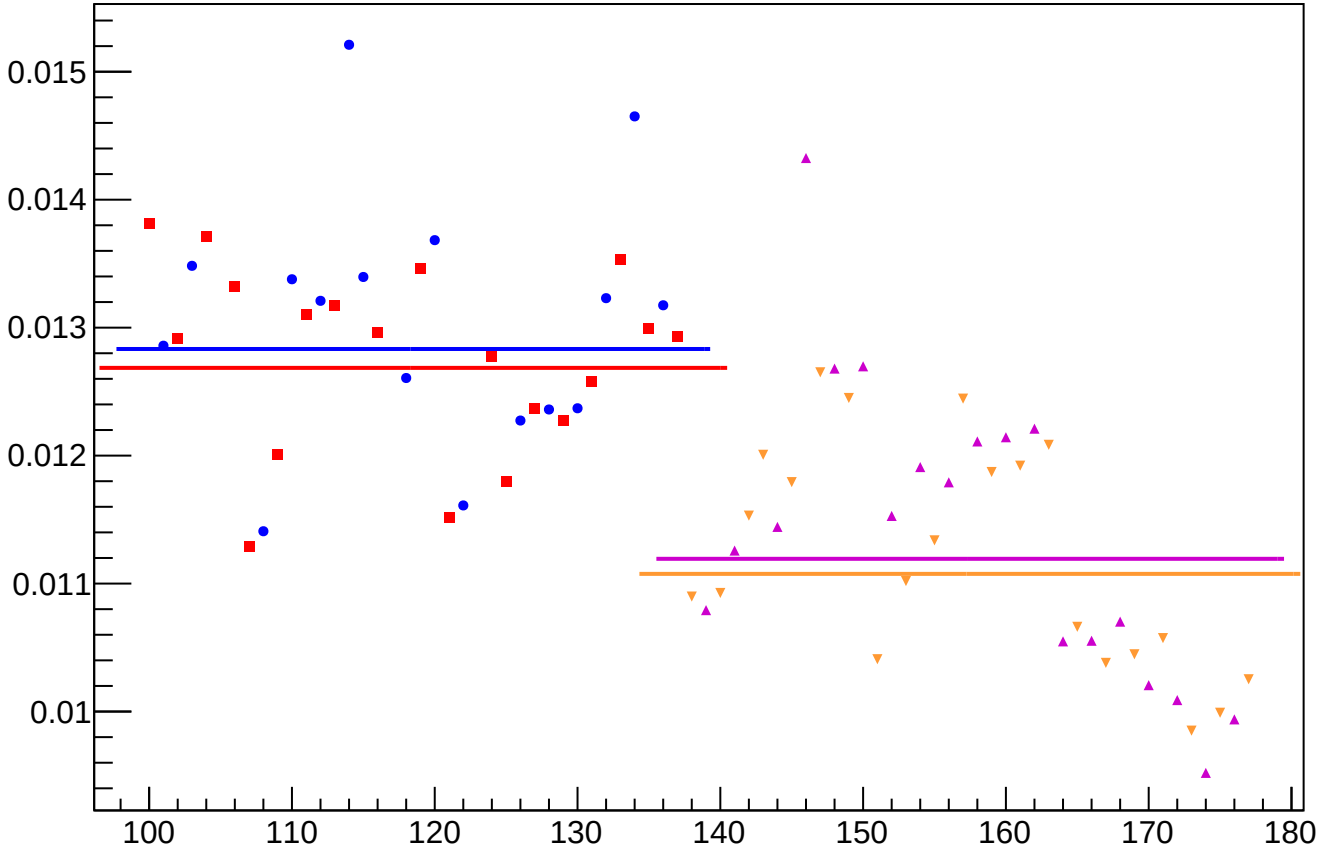
Right: 1.663+/-0.000 χ^2/NDF: 13026763419.8/34

In: 1.662+/-0.000 χ^2/NDF:10910675512.2/34

Out: 1.685+/-0.000 χ^2/NDF:12983469640.3/39

All: 1.674+/-0.000 χ^2/NDF: 23939633619.8/7

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:183462.2/20

Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.011+/-0.000 χ^2/NDF:282364.3/18

Left: 0.011+/-0.000 χ^2/NDF: 467524.6/39

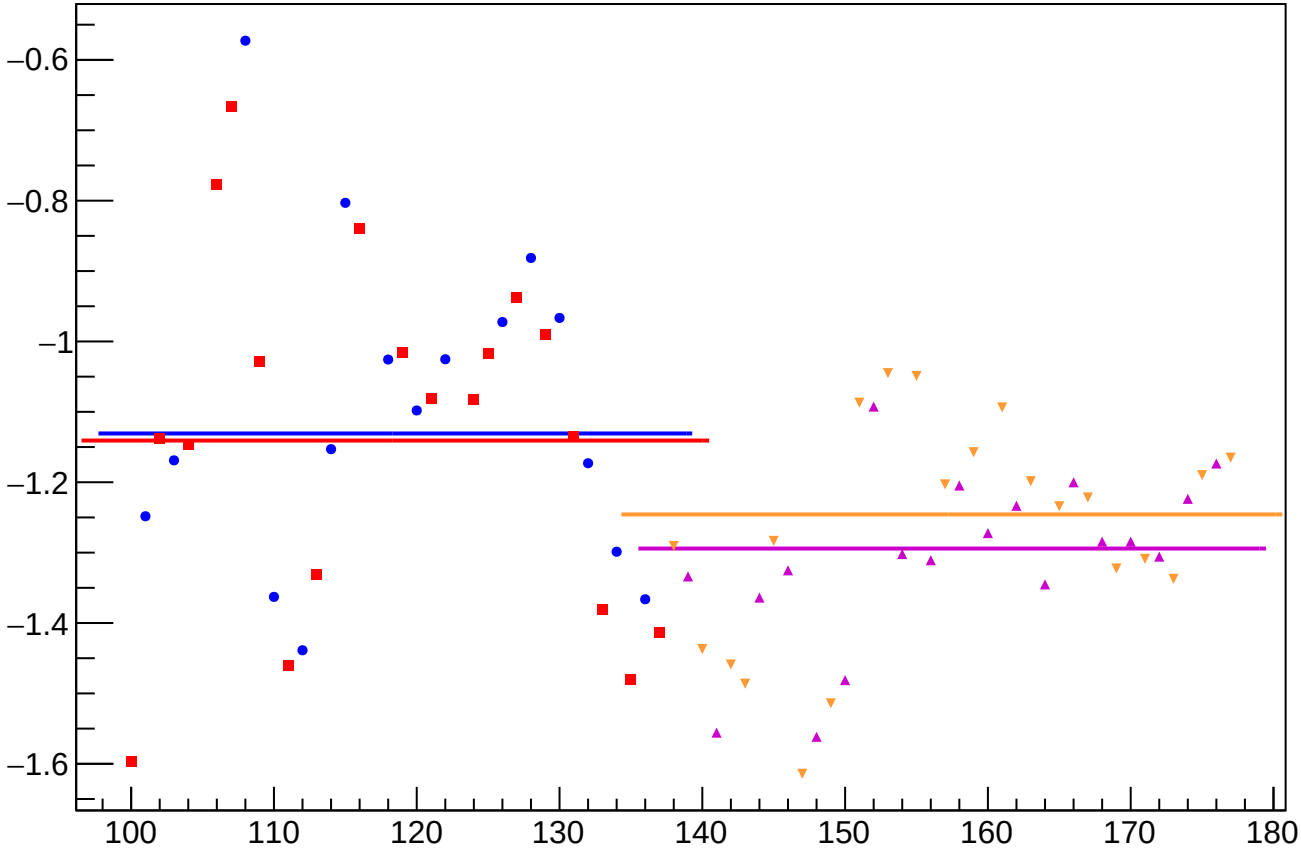
Right: 0.013+/-0.000 χ^2/NDF: 96748.3/34

In: 0.012+/-0.000 χ^2/NDF:502694.0/34

Out: 0.011+/-0.000 χ^2/NDF:399255.1/39

All: 0.012+/-0.000 χ^2/NDF: 905299.3/74

yield_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.246+/-0.000 χ^2/NDF:4777467880.3/20

Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

Left In: -1.294+/-0.000 χ^2/NDF:2596602138.1/18

Left: -1.269+/-0.000 χ^2/NDF: 7642758590.7/39

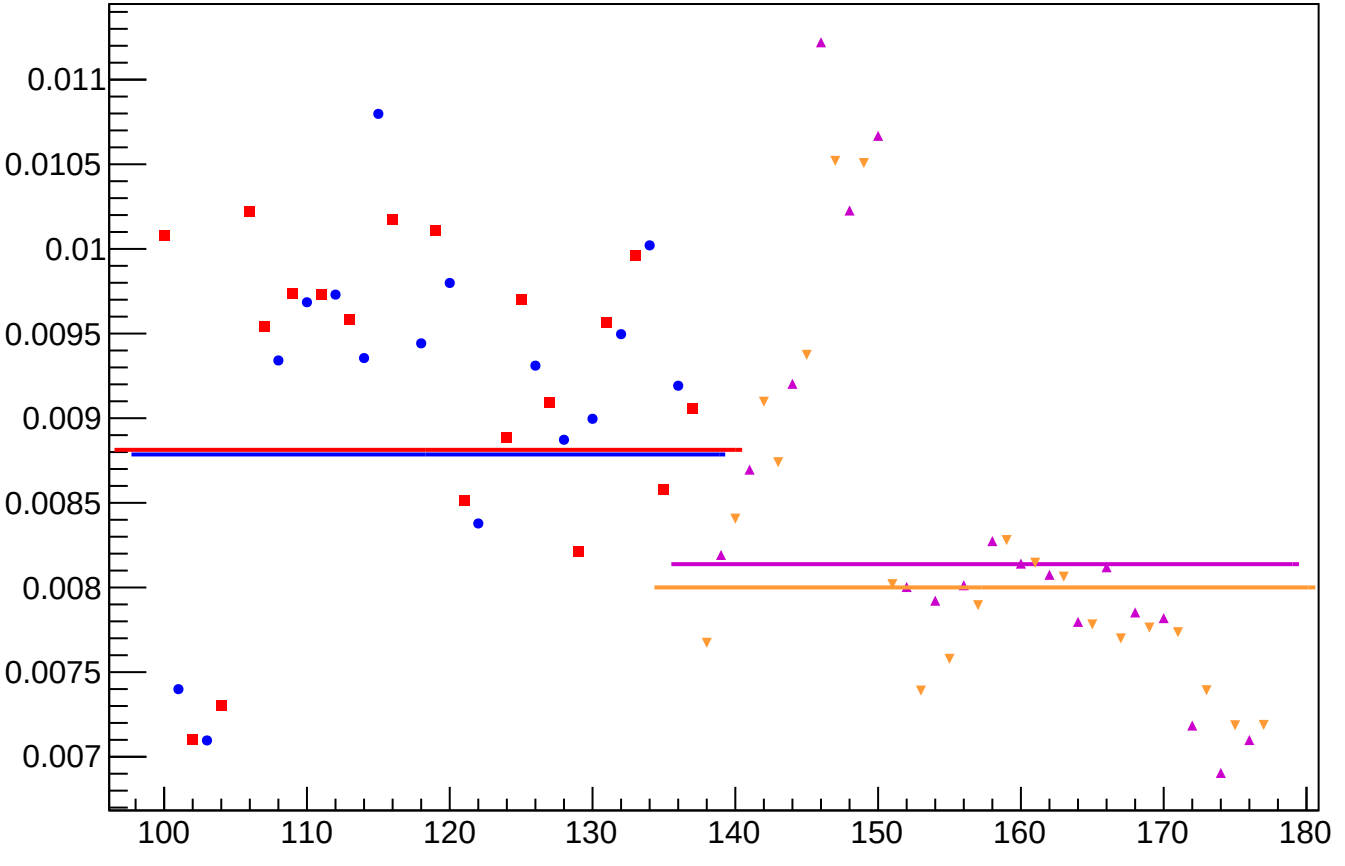
Right: -1.136+/-0.000 χ^2/NDF: 7338628665.5/34

In: -1.247+/-0.000 χ^2/NDF:8070780269.9/34

Out: -1.217+/-0.000 χ^2/NDF:9040066661.3/39

All: -1.232+/-0.000 χ^2/NDF: 17248788429.1/

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:293971.9/20

Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.008+/-0.000 χ^2/NDF:398735.2/18

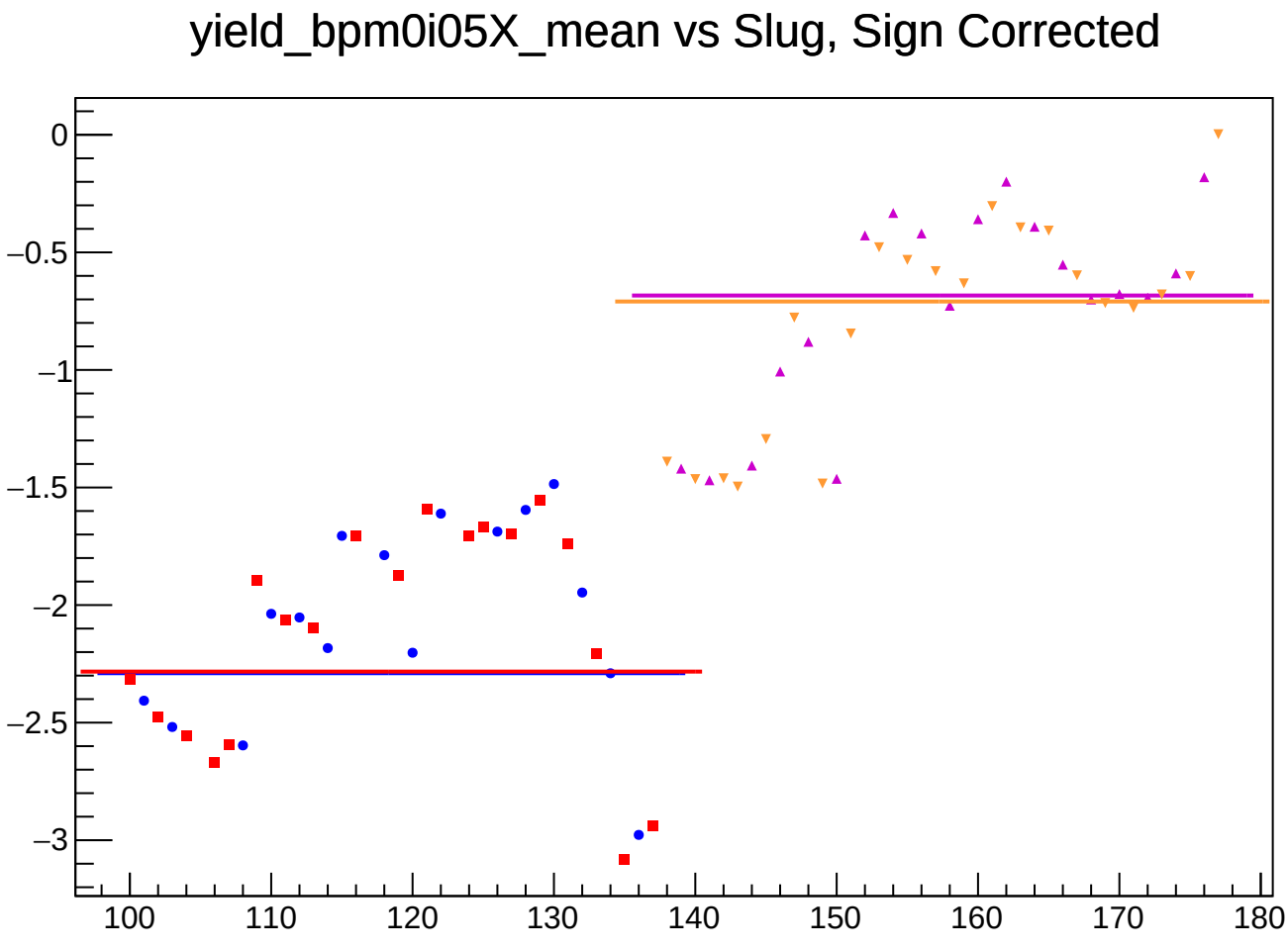
Left: 0.008+/-0.000 χ^2/NDF: 697028.5/39

Right: 0.009+/-0.000 χ^2/NDF: 377987.0/34

In: 0.008+/-0.000 χ^2/NDF:625142.9/34

Out: 0.008+/-0.000 χ^2/NDF:584558.4/39

All: 0.008+/-0.000 χ^2/NDF: 1213250.4/74



Right In: -2.290+/-0.000 χ^2/NDF: 15222817978.4/15

Left Out: -0.709+/-0.000 χ^2/NDF:46427331879.0/20

Right Out: -2.283+/-0.000 χ^2/NDF: 17032219519.1/18

Left In: -0.684+/-0.000 χ^2/NDF:39068397731.3/18

Left: -0.697+/-0.000 χ^2/NDF: 85594653060.3/39

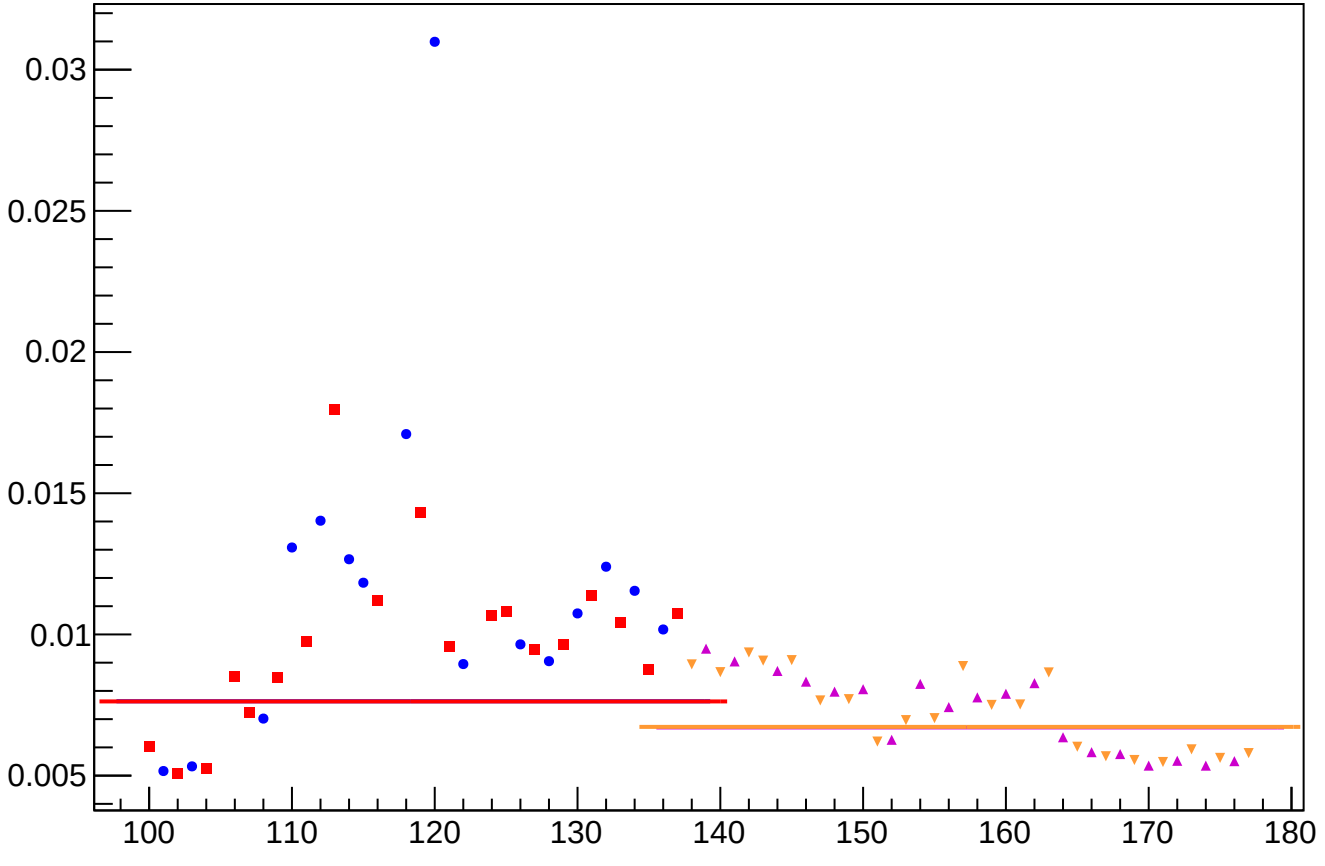
Right: -2.286+/-0.000 χ^2/NDF: 32257076383.6/34

In: -1.050+/-0.000 χ^2/NDF:228004423341.5/34

Out: -1.074+/-0.000 χ^2/NDF:244759527247.6/39

All: -1.062+/-0.000 χ^2/NDF: 472876244804.5

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:988890.4/20

Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.007+/-0.000 χ^2/NDF:1048282.6/18

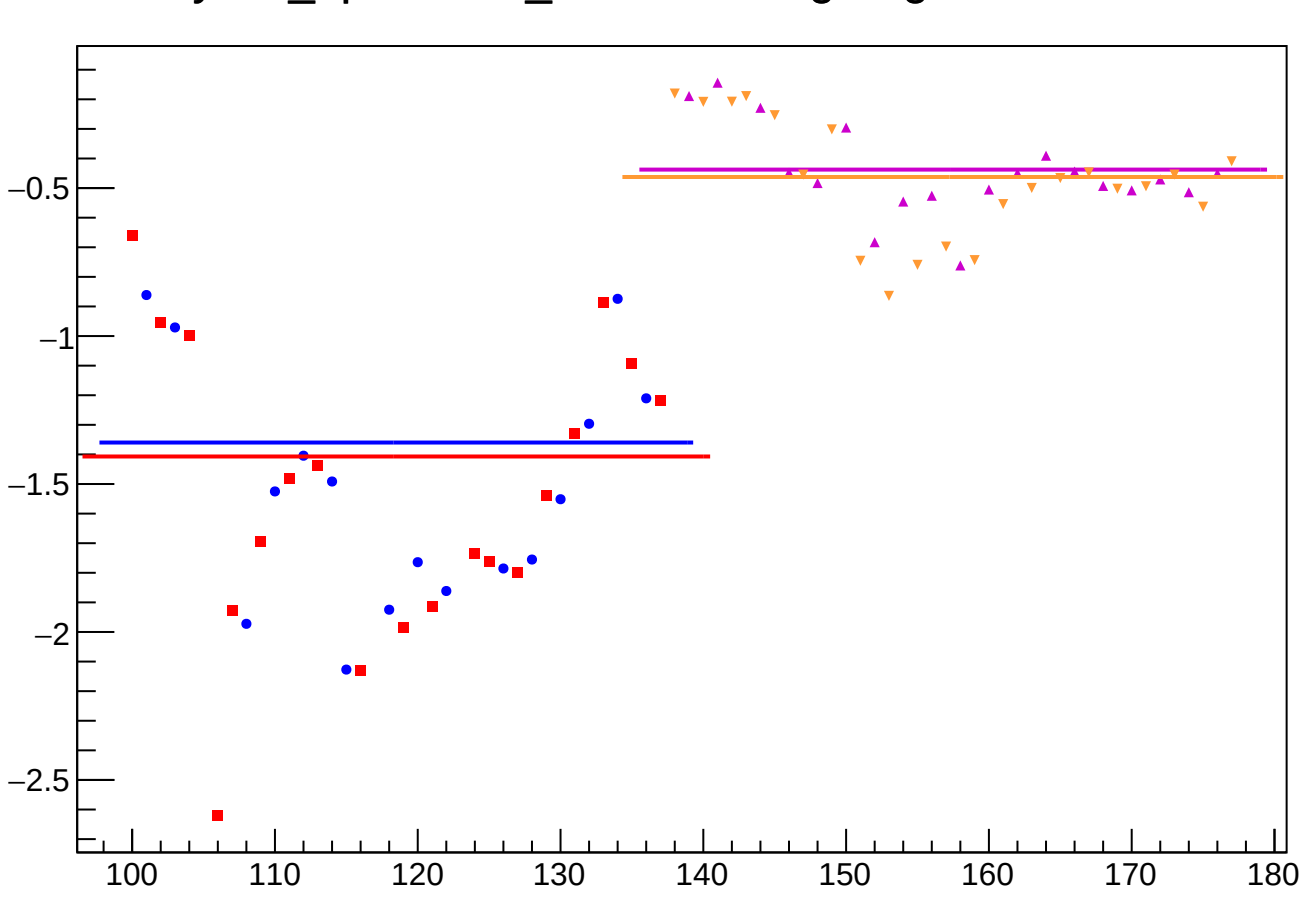
Left: 0.007+/-0.000 χ^2/NDF: 2037291.4/39

Right: 0.008+/-0.000 χ^2/NDF: 3028539.8/34

In: 0.007+/-0.000 χ^2/NDF:2874698.0/34

Out: 0.007+/-0.000 χ^2/NDF:2425597.6/39

All: 0.007+/-0.000 χ^2/NDF: 5300413.6/74



Right In: -1.360+/-0.000 χ^2/NDF: 21491965614.5/15

Left Out: -0.463+/-0.000 χ^2/NDF:28555942824.4/20

Right Out: -1.407+/-0.000 χ^2/NDF: 29835610413.0/18

Left In: -0.437+/-0.000 χ^2/NDF:16427480937.0/18

Left: -0.451+/-0.000 χ^2/NDF: 45209957477.7/39

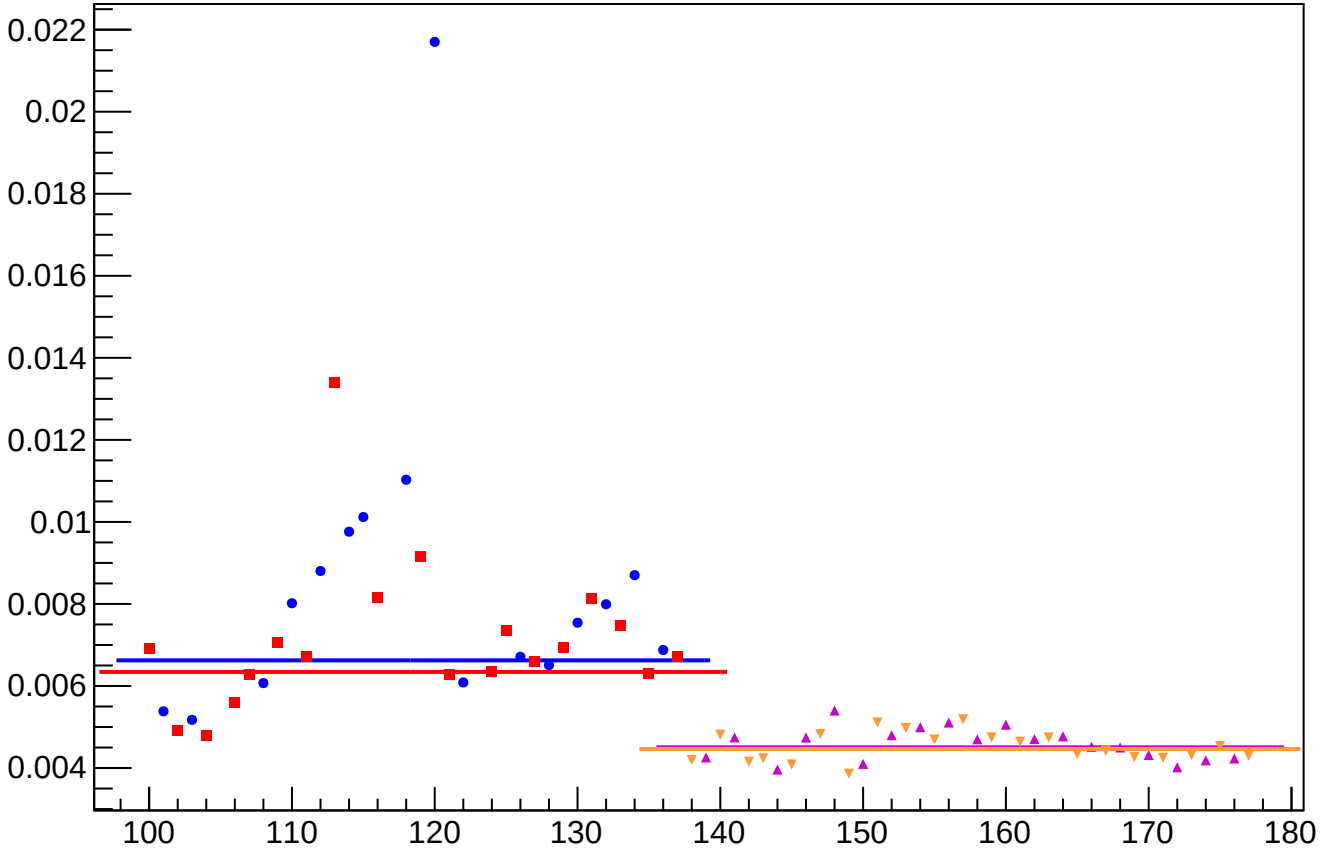
Right: -1.385+/-0.000 χ^2/NDF: 51484688313.9/34

In: -0.585+/-0.000 χ^2/NDF:132147875783.9/34

Out: -0.620+/-0.000 χ^2/NDF:171381917086.9/39

All: -0.604+/-0.000 χ^2/NDF: 304059688586.

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:172504.3/20

Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.005+/-0.000 χ^2/NDF:203281.8/18

Left: 0.004+/-0.000 χ^2/NDF: 376958.8/39

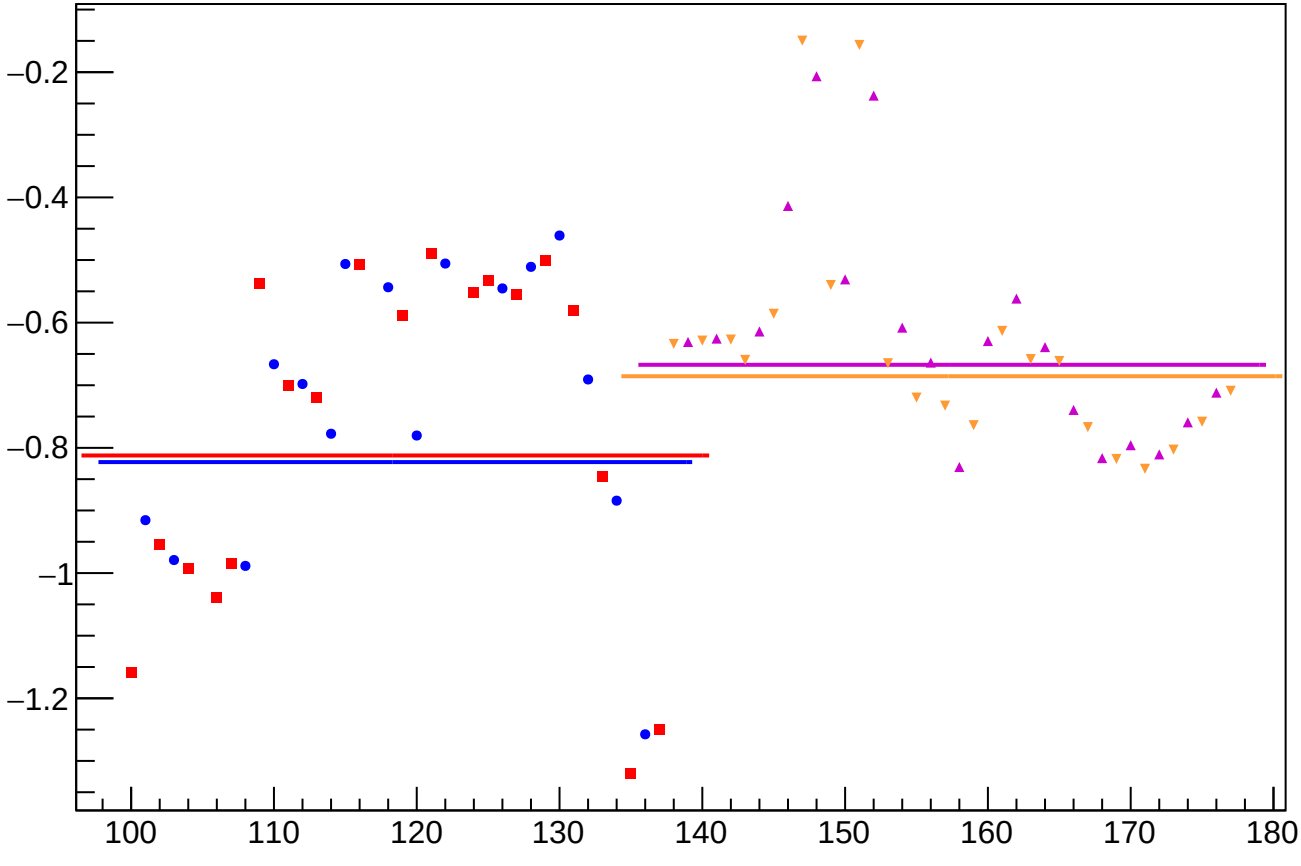
Right: 0.006+/-0.000 χ^2/NDF: 1234142.9/34

In: 0.005+/-0.000 χ^2/NDF:1892315.4/34

Out: 0.005+/-0.000 χ^2/NDF:1595554.4/39

All: 0.005+/-0.000 χ^2/NDF: 3491648.2/74

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:22328081692.5/20

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

Left In: -0.667+/-0.000 χ^2/NDF:22453129268.5/18

Left: -0.677+/-0.000 χ^2/NDF: 44914357947.4/39

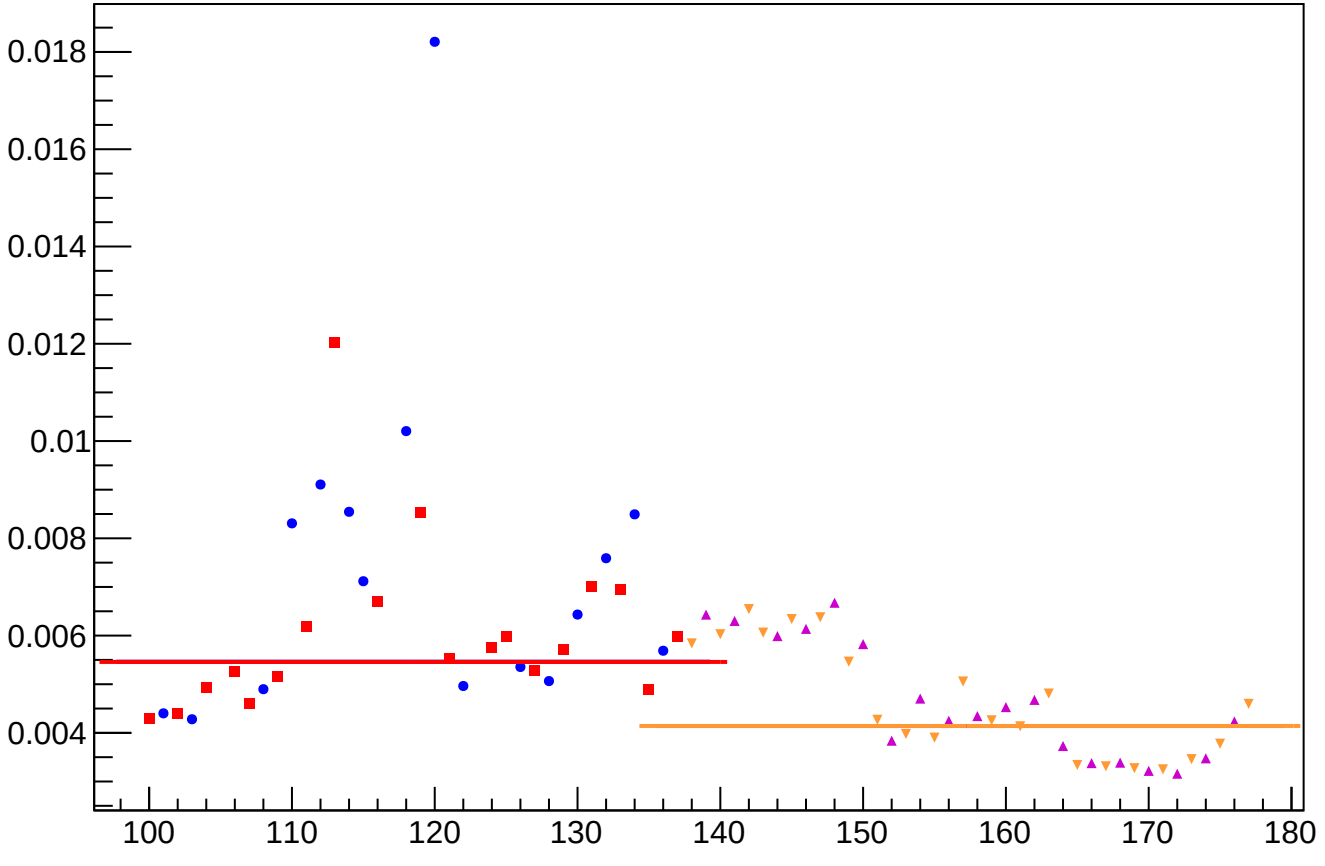
Right: -0.817+/-0.000 χ^2/NDF: 27062819602.4/34

In: -0.697+/-0.000 χ^2/NDF:38275209557.5/34

Out: -0.710+/-0.000 χ^2/NDF:39748971565.9/39

All: -0.704+/-0.000 χ^2/NDF: 78108188053.0/

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 961483.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:1502793.5/20

Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.004+/-0.000 χ^2/NDF:1603403.6/18

Left: 0.004+/-0.000 χ^2/NDF: 3106198.4/39

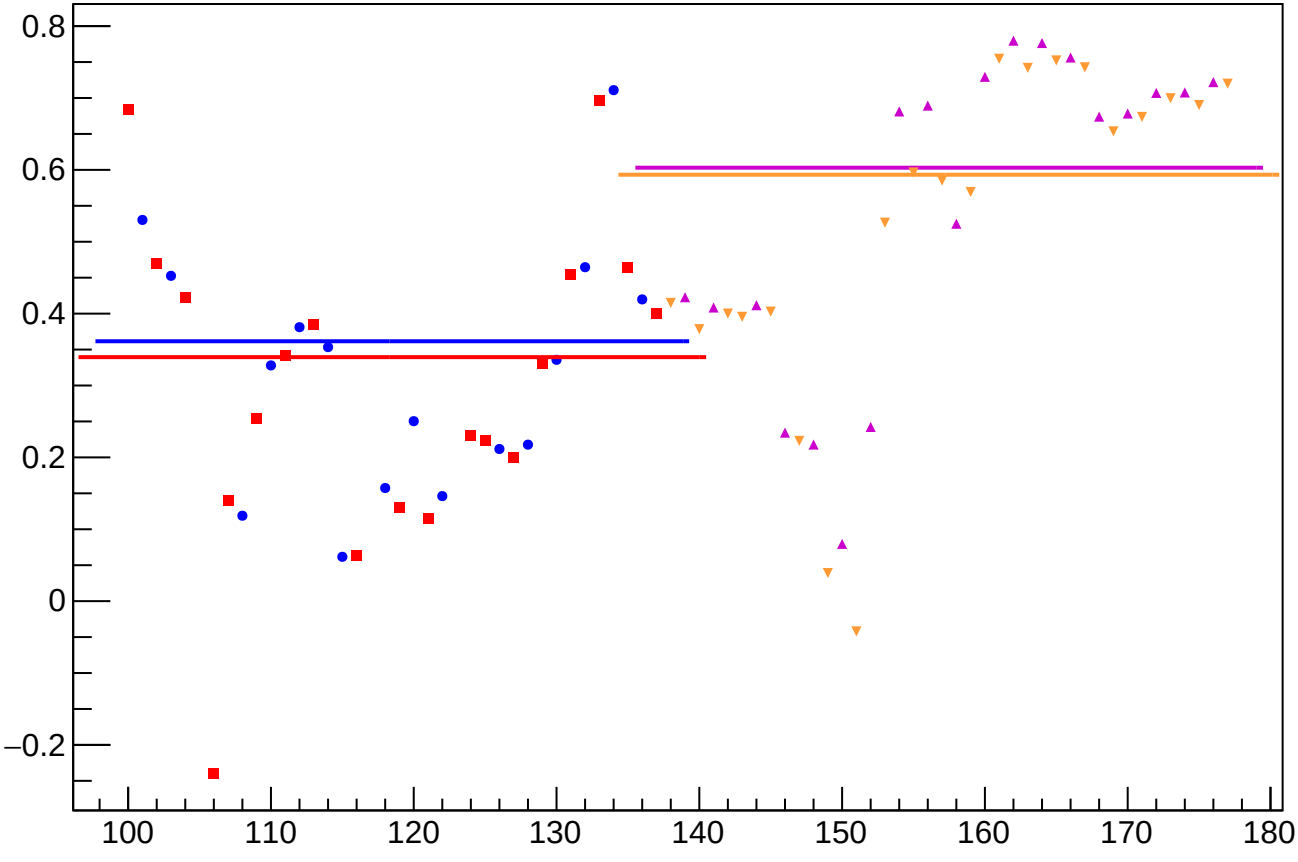
Right: 0.005+/-0.000 χ^2/NDF: 1469281.0/34

In: 0.004+/-0.000 χ^2/NDF:3086062.3/34

Out: 0.004+/-0.000 χ^2/NDF:2572624.0/39

All: 0.004+/-0.000 χ^2/NDF: 5658698.7/74

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.593+/-0.000 χ^2/NDF:42727114644.4/20

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

Left In: 0.603+/-0.000 χ^2/NDF:37462869083.0/18

Left: 0.598+/-0.000 χ^2/NDF: 80242165464.1/39

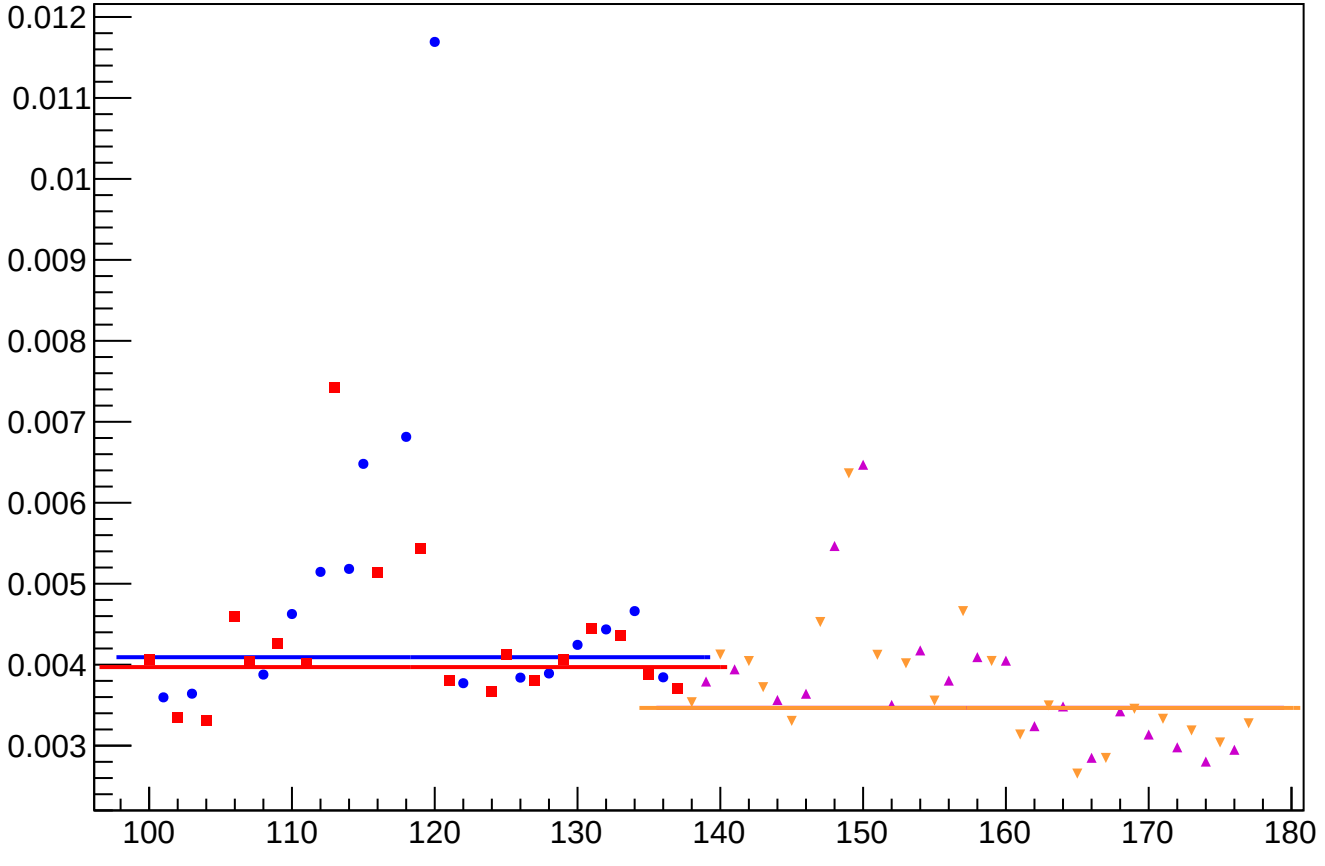
Right: 0.350+/-0.000 χ^2/NDF: 20941665635.5/34

In: 0.541+/-0.000 χ^2/NDF:62070311822.5/34

Out: 0.526+/-0.000 χ^2/NDF:74092492095.5/39

All: 0.533+/-0.000 χ^2/NDF: 136315685332.8

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:807119.2/20

Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.003+/-0.000 χ^2/NDF:862592.2/18

Left: 0.003+/-0.000 χ^2/NDF: 1669712.8/39

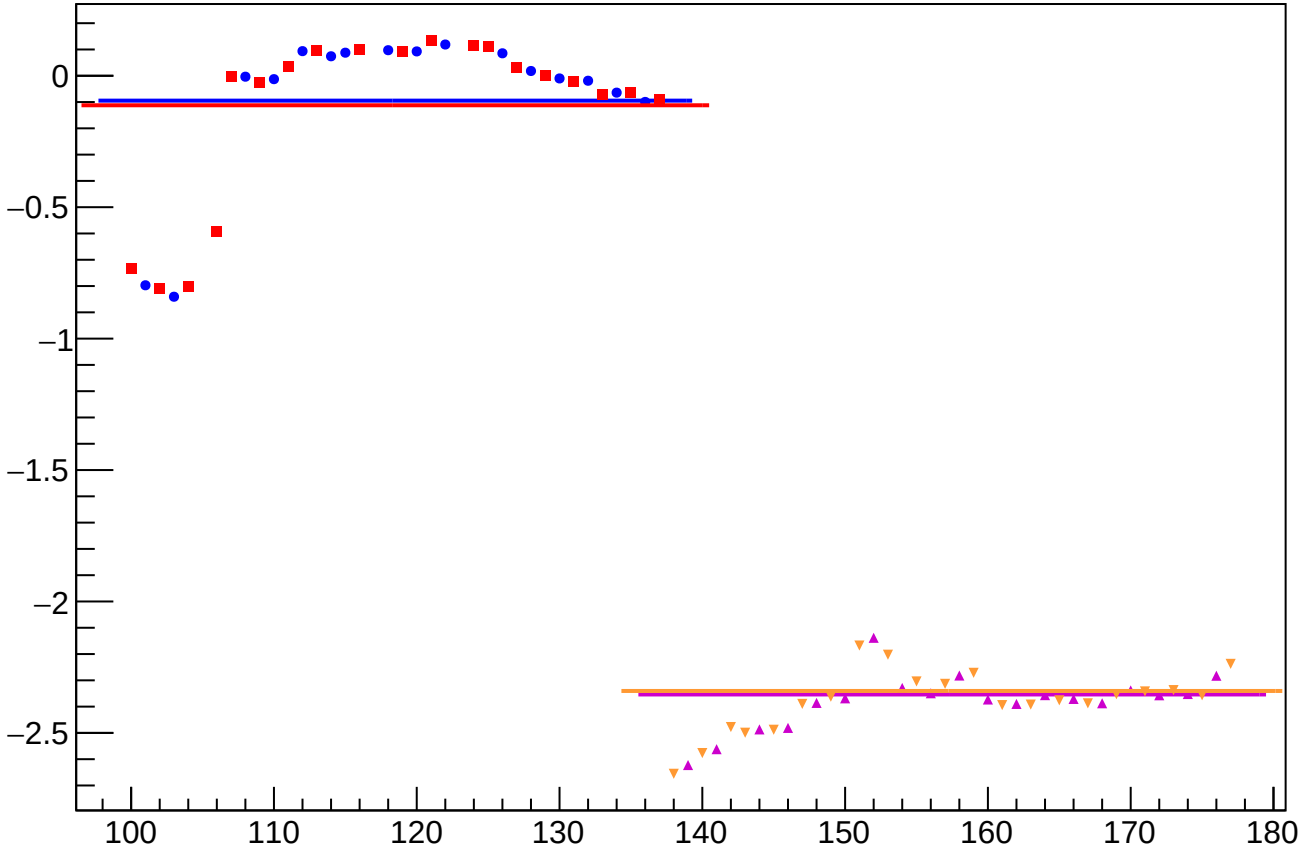
Right: 0.004+/-0.000 χ^2/NDF: 811192.6/34

In: 0.004+/-0.000 χ^2/NDF:1566708.6/34

Out: 0.004+/-0.000 χ^2/NDF:1273244.1/39

All: 0.004+/-0.000 χ^2/NDF: 2841237.1/74

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.340+/-0.000 χ^2/NDF:1832062510.6/20

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

Left In: -2.354+/-0.000 χ^2/NDF:1359114488.3/18

Left: -2.347+/-0.000 χ^2/NDF: 3206876640.1/39

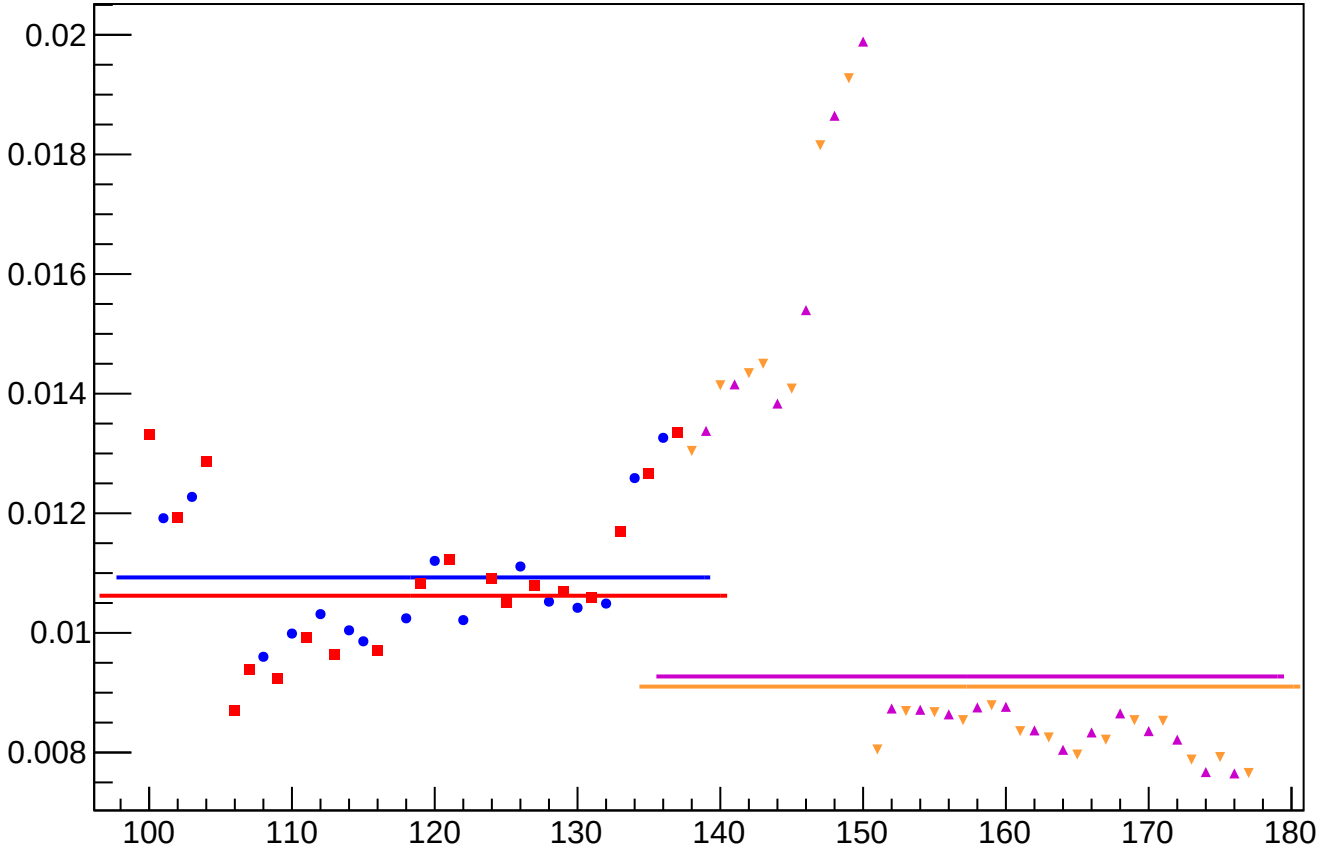
Right: -0.104+/-0.000 χ^2/NDF: 11689577002.2/34

In: -1.761+/-0.000 χ^2/NDF:231365258823.9/34

Out: -1.764+/-0.000 χ^2/NDF:248519196362.9/39

All: -1.763+/-0.000 χ^2/NDF: 479885741530.1

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:2030431.3/20

Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.009+/-0.000 χ^2/NDF:2058216.2/18

Left: 0.009+/-0.000 χ^2/NDF: 4093717.1/39

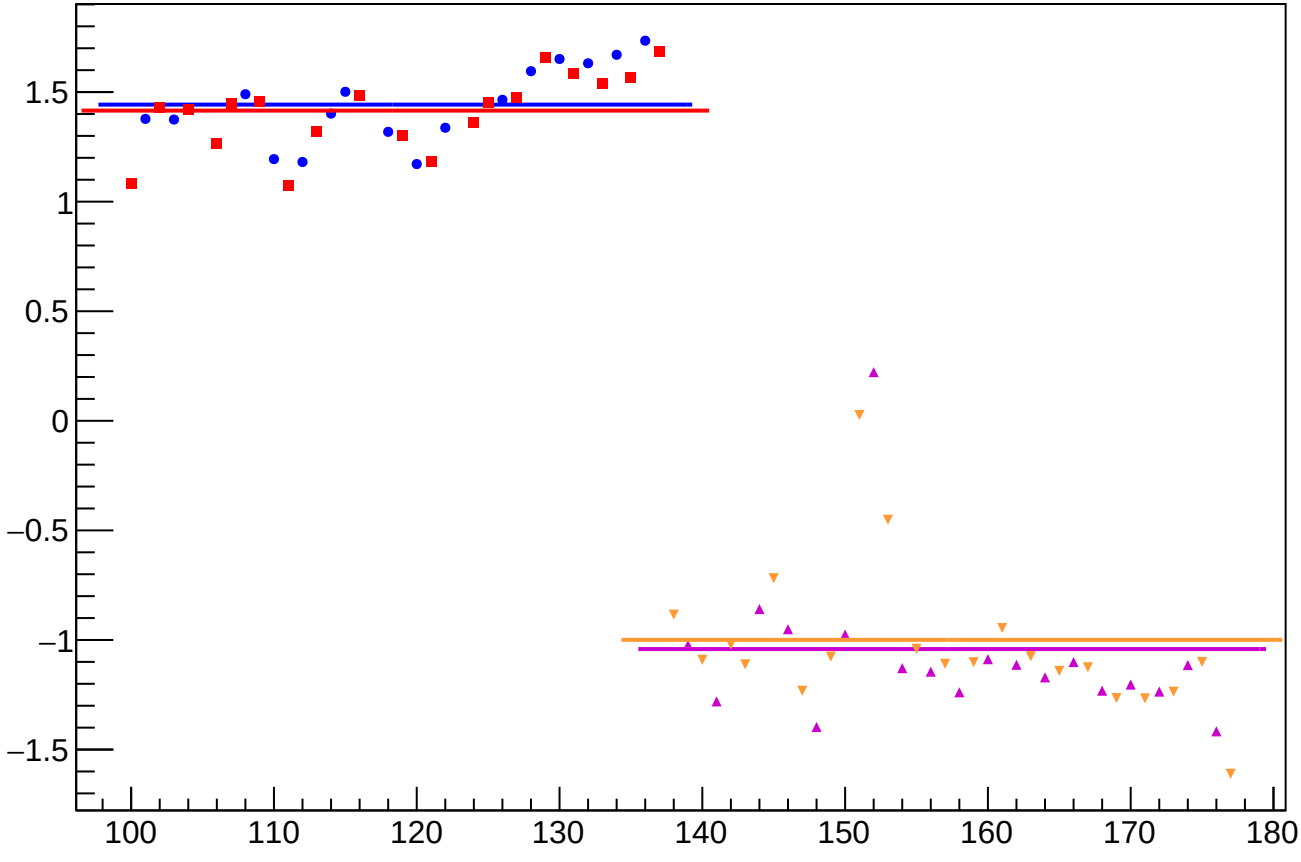
Right: 0.011+/-0.000 χ^2/NDF: 332847.6/34

In: 0.010+/-0.000 χ^2/NDF:2435993.8/34

Out: 0.009+/-0.000 χ^2/NDF:2444572.3/39

All: 0.010+/-0.000 χ^2/NDF: 4891215.9/74

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -0.999+/-0.000 χ^2/NDF:43274570071.6/20

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

Left In: -1.041+/-0.000 χ^2/NDF:45056487119.1/18

Left: -1.020+/-0.000 χ^2/NDF: 88587431496.2/39

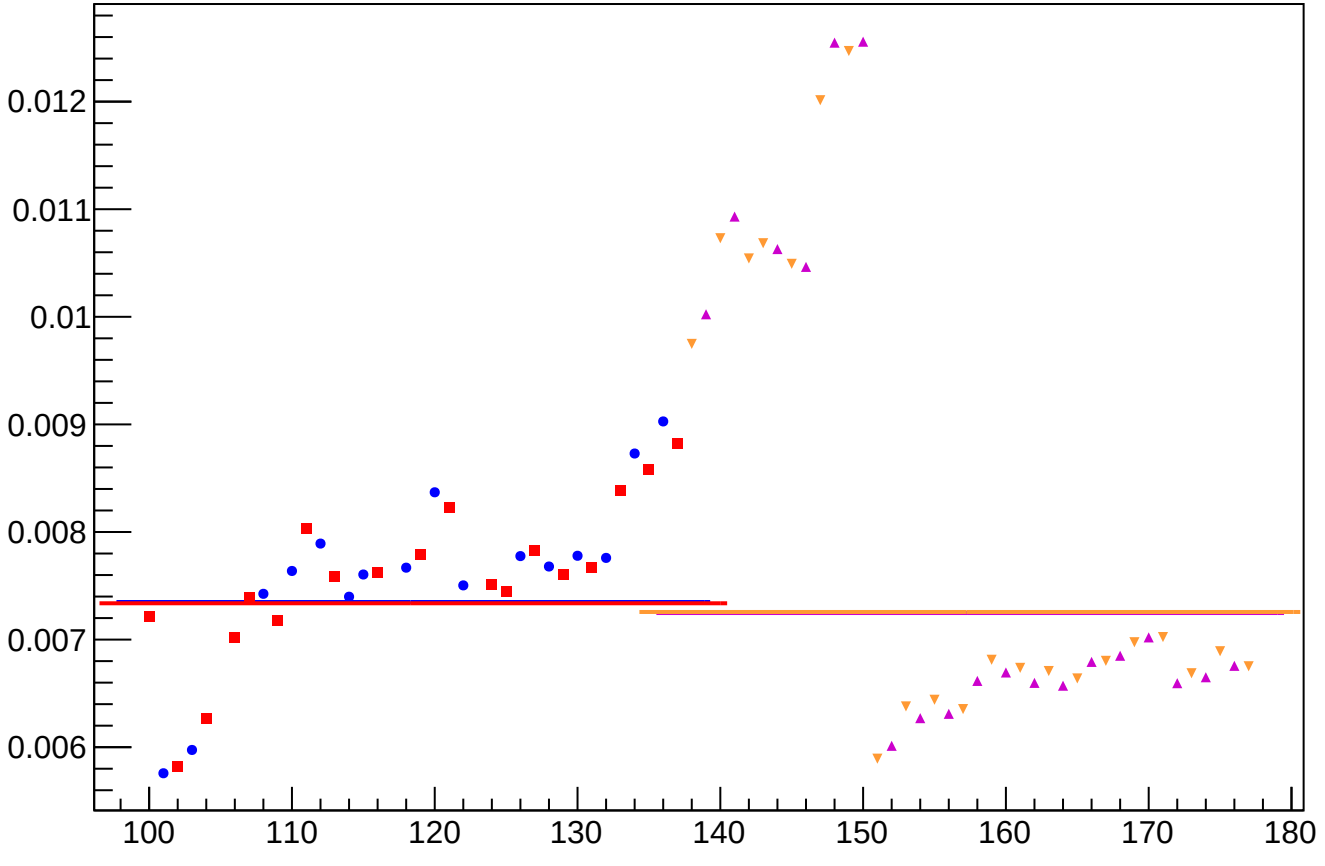
Right: 1.429+/-0.000 χ^2/NDF: 6593016759.0/34

In: -0.250+/-0.000 χ^2/NDF:598777992244.8/34

Out: -0.243+/-0.000 χ^2/NDF:594365811780.4/39

All: -0.246+/-0.000 χ^2/NDF: 1193153699784

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:1487108.0/20

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

Left In: 0.007+/-0.000 χ^2/NDF:1553316.2/18

Left: 0.007+/-0.000 χ^2/NDF: 3040451.5/39

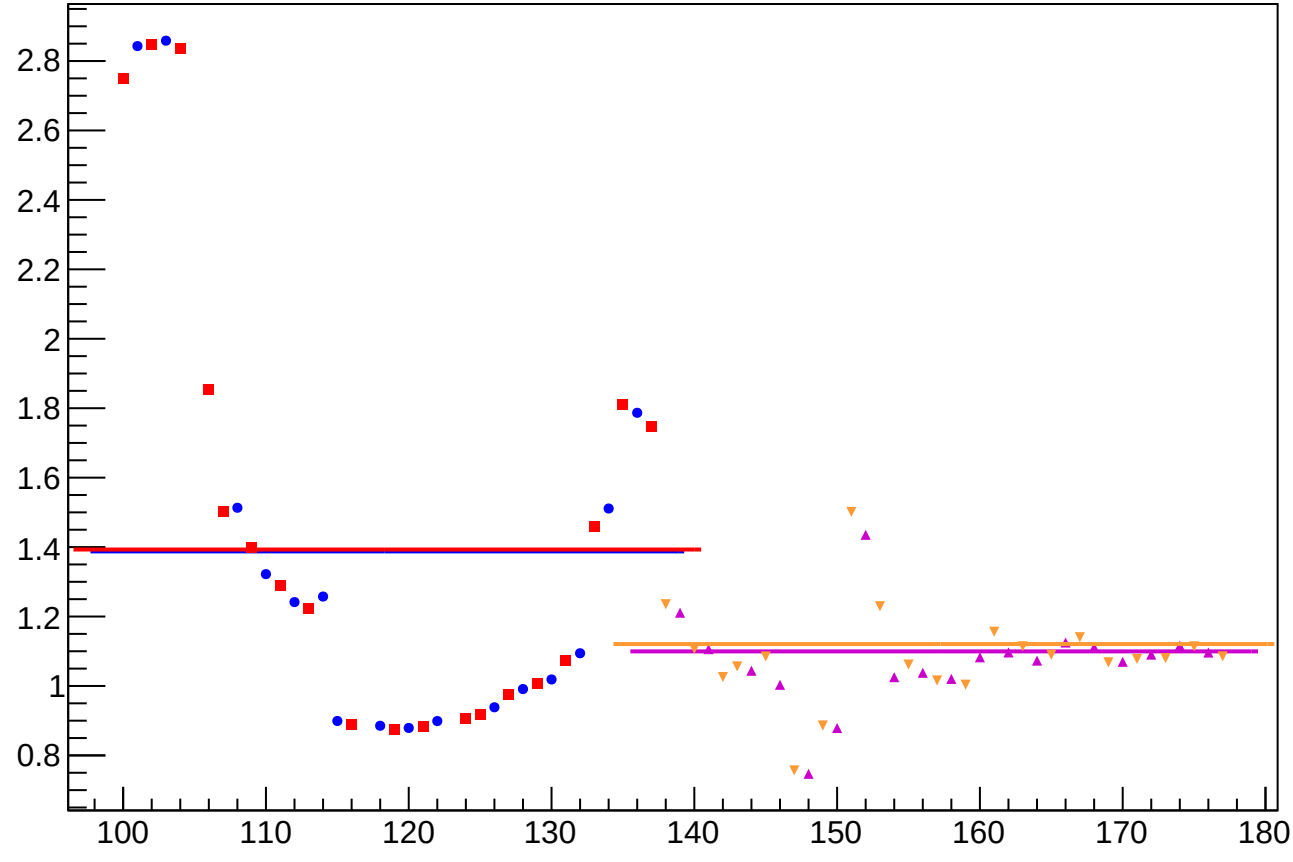
Right: 0.007+/-0.000 χ^2/NDF: 466255.6/34

In: 0.007+/-0.000 χ^2/NDF:1826047.9/34

Out: 0.007+/-0.000 χ^2/NDF:1683708.8/39

All: 0.007+/-0.000 χ^2/NDF: 3509759.1/74

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.121+/-0.000 χ^2/NDF:5510092851.6/20

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

Left In: 1.100+/-0.000 χ^2/NDF:4185699384.4/18

Left: 1.111+/-0.000 χ^2/NDF: 9761991940.3/39

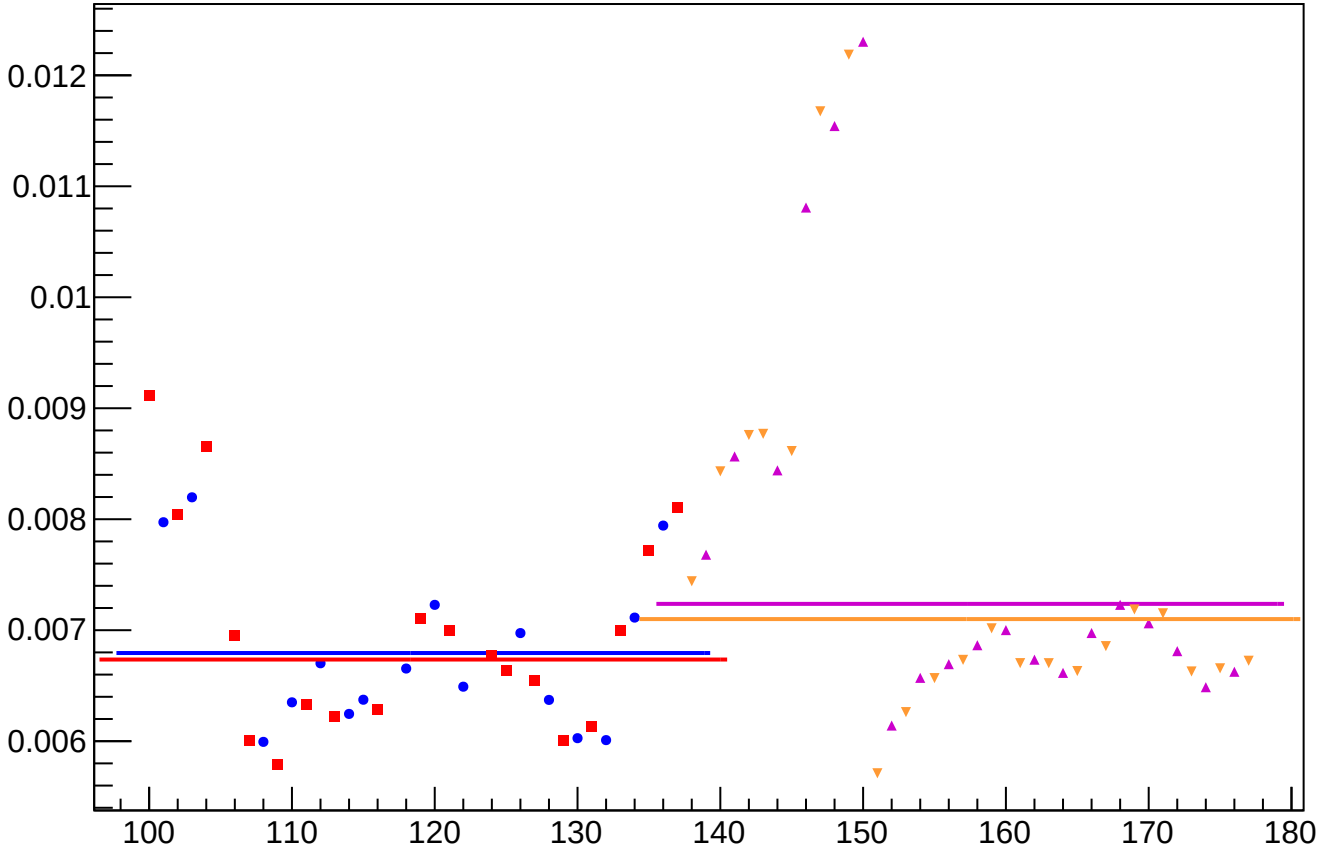
Right: 1.390+/-0.000 χ^2/NDF: 113980694957.7/34

In: 1.201+/-0.000 χ^2/NDF:71046829825.6/34

Out: 1.214+/-0.000 χ^2/NDF:68796382353.2/39

All: 1.208+/-0.000 χ^2/NDF: 139877014566.5

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:849458.3/20

Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

Left In: 0.007+/-0.000 χ^2/NDF:908680.7/18

Left: 0.007+/-0.000 χ^2/NDF: 1763699.6/39

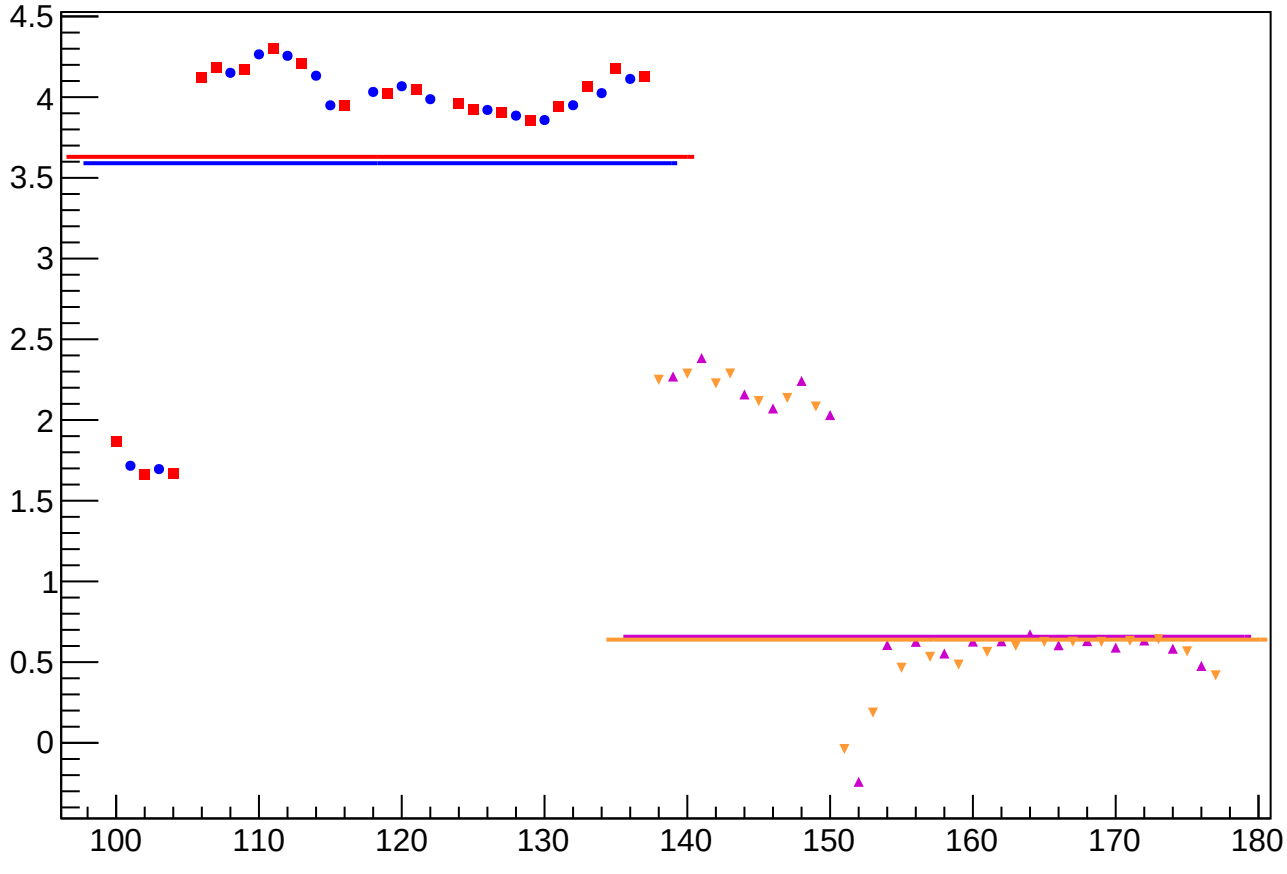
Right: 0.007+/-0.000 χ^2/NDF: 363493.8/34

In: 0.007+/-0.000 χ^2/NDF:1112135.8/34

Out: 0.007+/-0.000 χ^2/NDF:1076342.7/39

All: 0.007+/-0.000 χ^2/NDF: 2193465.8/74

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 0.640+/-0.000 χ^2/NDF:247791537804.1/20

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

Left In: 0.657+/-0.000 χ^2/NDF:245345661645.7/18

Left: 0.648+/-0.000 χ^2/NDF: 493280682896.2/39

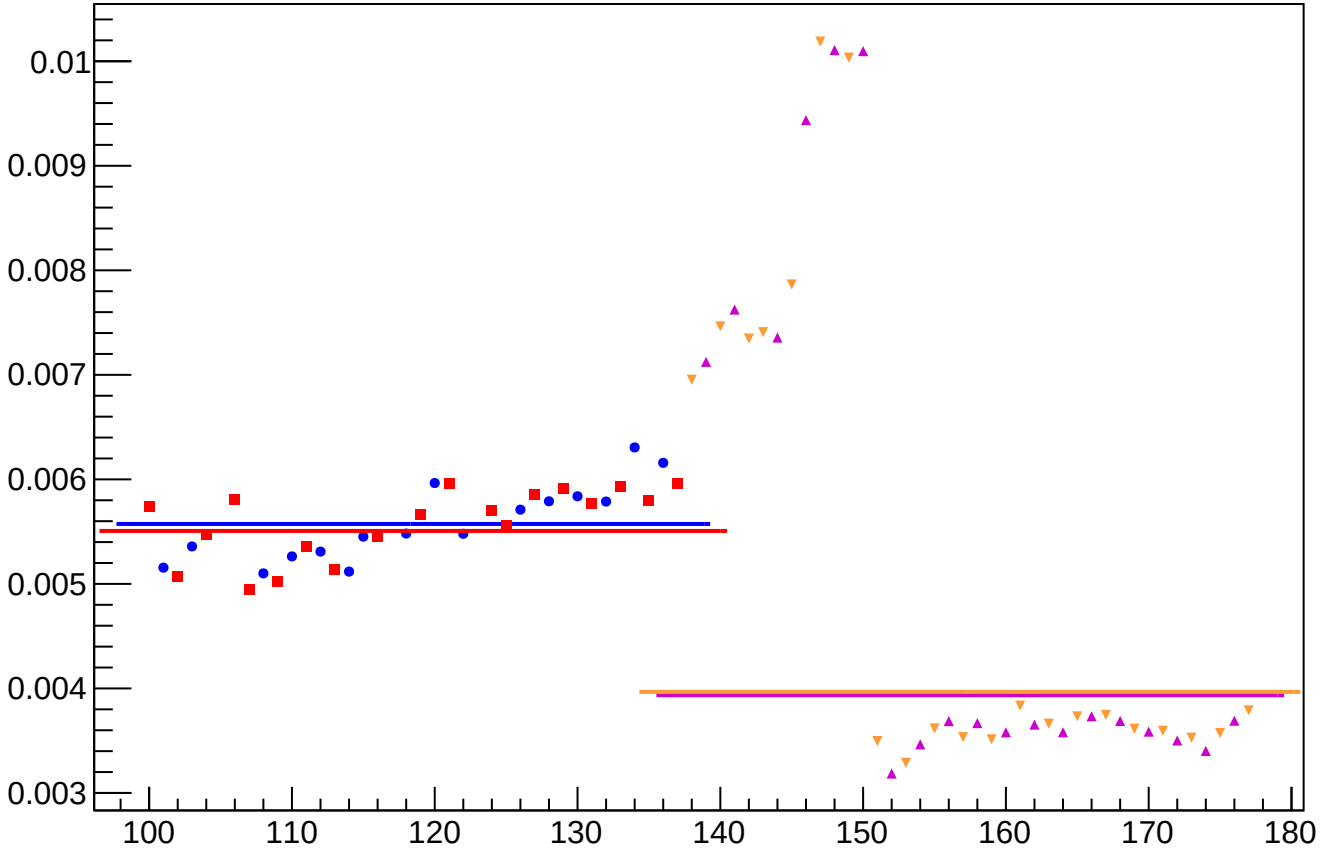
Right: 3.611+/-0.000 χ^2/NDF: 414956393826.7/34

In: 1.272+/-0.000 χ^2/NDF:2016903700339.3/34

Out: 1.257+/-0.000 χ^2/NDF:2169108495539.8/39

All: 1.264+/-0.000 χ^2/NDF: 4186128873422.

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:2897838.8/20

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

Left In: 0.004+/-0.000 χ^2/NDF:3103537.1/18

Left: 0.004+/-0.000 χ^2/NDF: 6002279.9/39

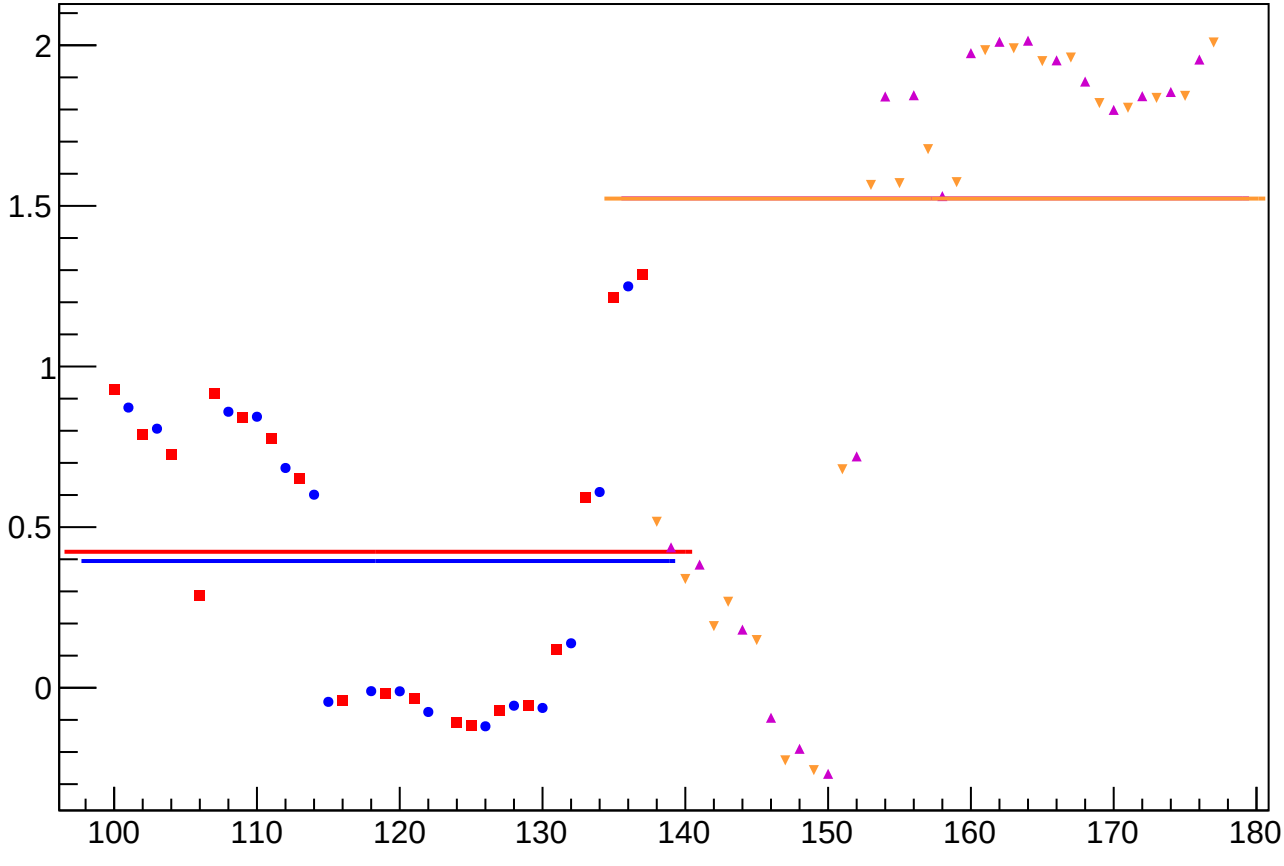
Right: 0.006+/-0.000 χ^2/NDF: 117612.2/34

In: 0.004+/-0.000 χ^2/NDF:4141882.3/34

Out: 0.004+/-0.000 χ^2/NDF:3861167.0/39

All: 0.004+/-0.000 χ^2/NDF: 8003100.5/74

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 1.523+/-0.000 χ^2/NDF:57508288034.6/20

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

Left In: 1.523+/-0.000 χ^2/NDF:61025157343.7/18

Left: 1.523+/-0.000 χ^2/NDF: 118533474637.1/39

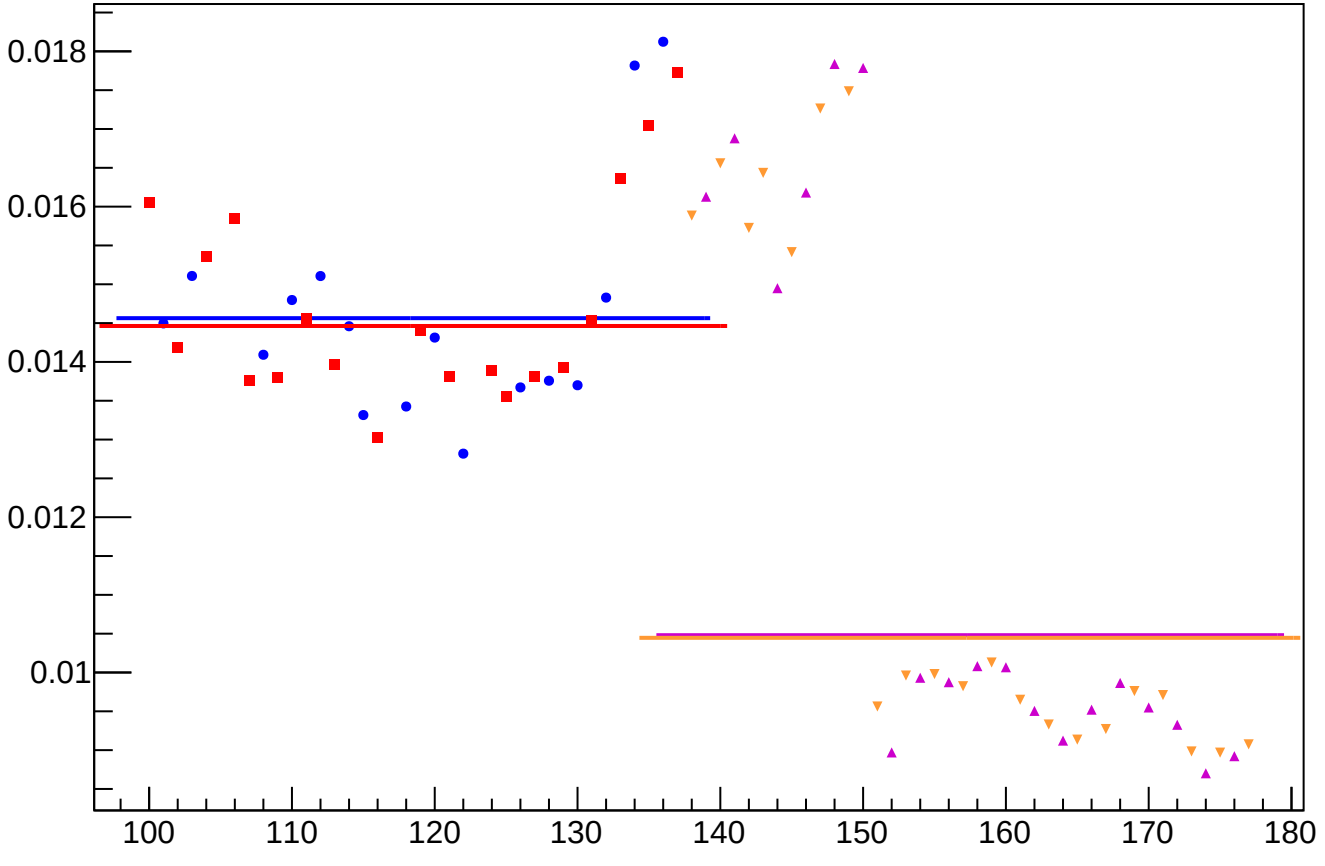
Right: 0.409+/-0.000 χ^2/NDF: 14330729641.2/34

In: 1.295+/-0.000 χ^2/NDF:102461593300.0/34

Out: 1.307+/-0.000 χ^2/NDF:98261044236.3/39

All: 1.302+/-0.000 χ^2/NDF: 200734848424.5

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:1658249.8/20

Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.010+/-0.000 χ^2/NDF:1690137.6/18

Left: 0.010+/-0.000 χ^2/NDF: 3348545.6/39

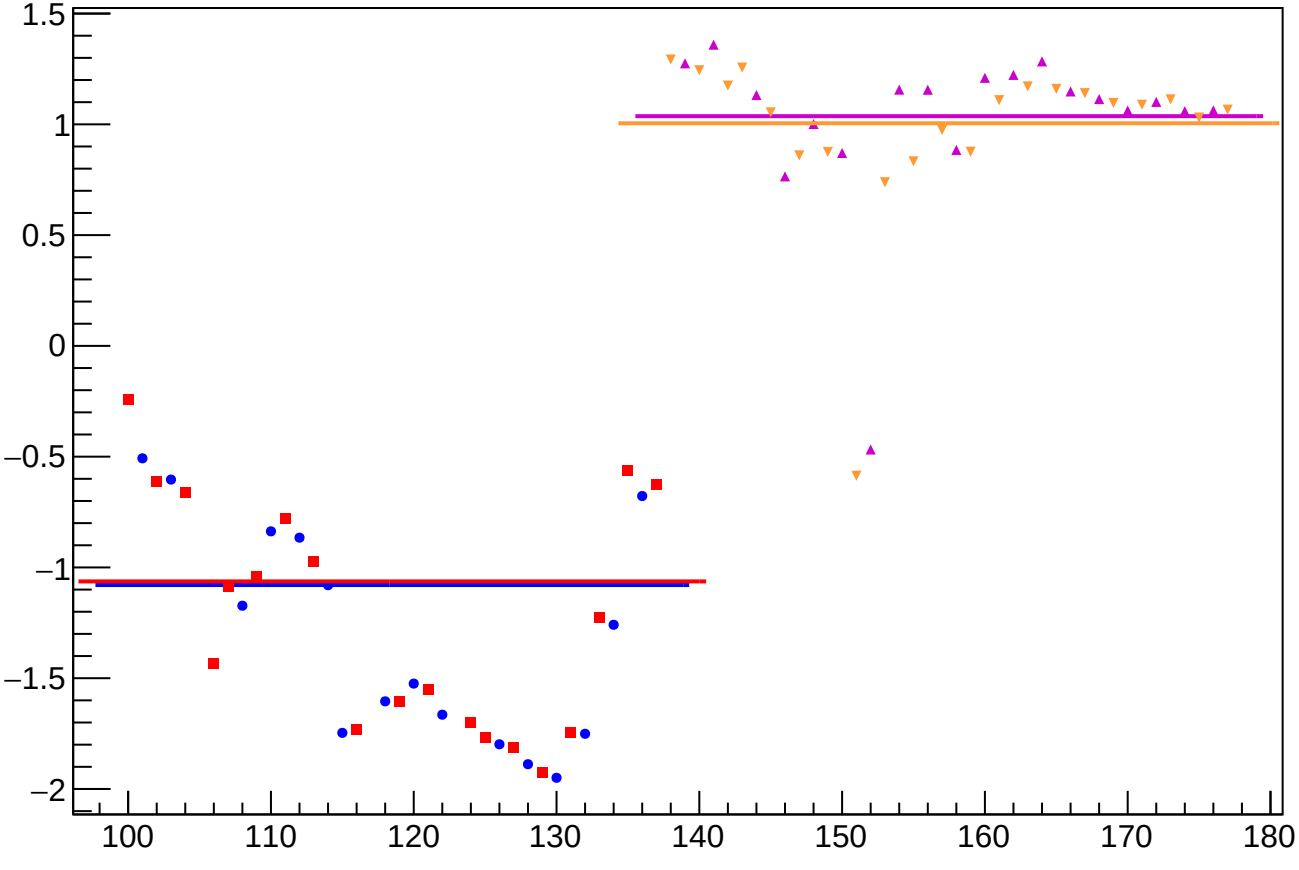
Right: 0.015+/-0.000 χ^2/NDF: 210877.4/34

In: 0.011+/-0.000 χ^2/NDF:2713645.0/34

Out: 0.011+/-0.000 χ^2/NDF:2639164.3/39

All: 0.011+/-0.000 χ^2/NDF: 5353691.0/74

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 1.005+/-0.000 χ^2/NDF:110817290251.9/20

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

Left In: 1.037+/-0.000 χ^2/NDF:125260806463.0/18

Left: 1.020+/-0.000 χ^2/NDF: 236673577214.8/39

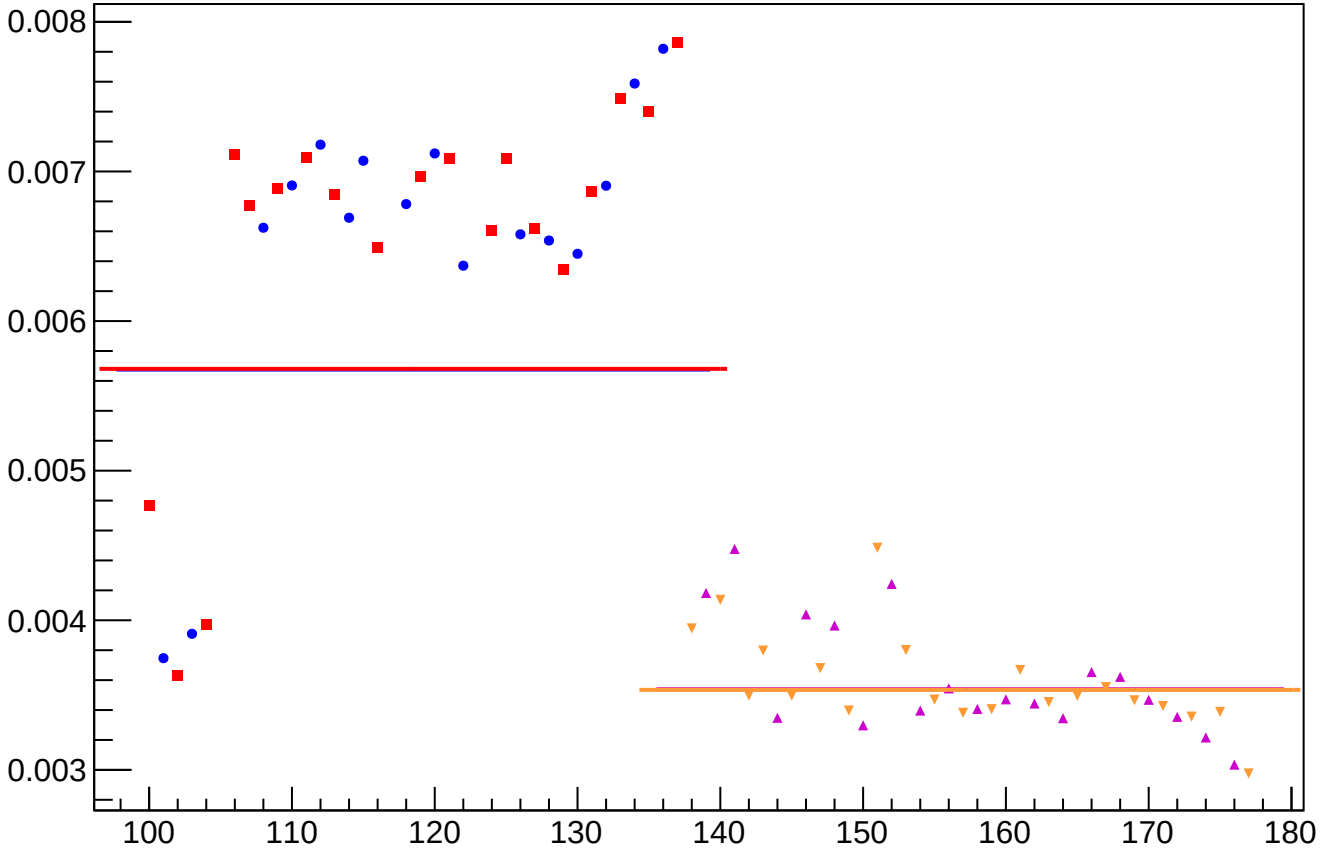
Right: -1.071+/-0.000 χ^2/NDF: 109693375141.4/34

In: 0.719+/-0.000 χ^2/NDF:937053541959.8/34

Out: 0.711+/-0.000 χ^2/NDF:894031995015.2/39

All: 0.715+/-0.000 χ^2/NDF: 1831121258721.

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:201084.6/20

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

Left In: 0.004+/-0.000 χ^2/NDF:272145.2/18

Left: 0.004+/-0.000 χ^2/NDF: 473248.8/39

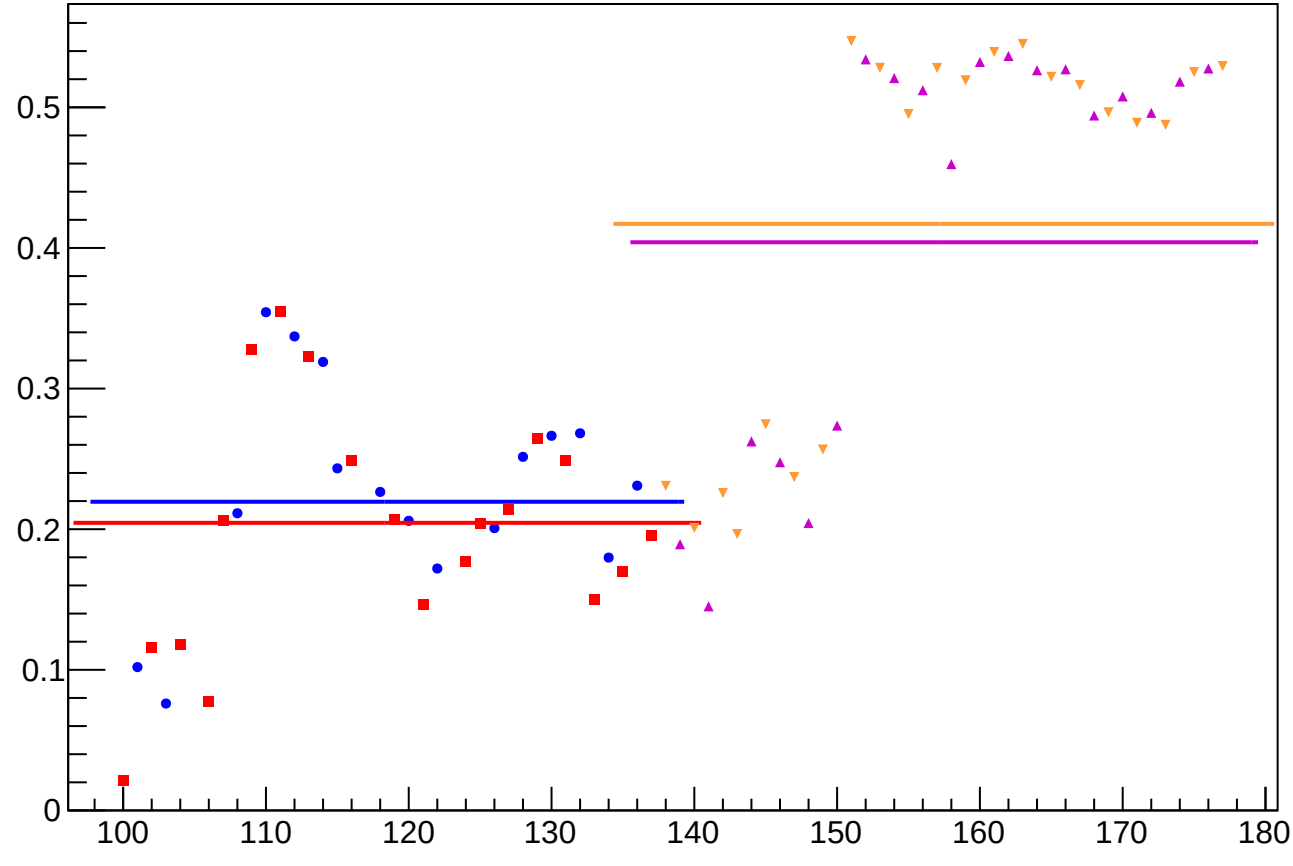
Right: 0.006+/-0.000 χ^2/NDF: 1925411.0/34

In: 0.004+/-0.000 χ^2/NDF:2750866.6/34

Out: 0.004+/-0.000 χ^2/NDF:2760737.8/39

All: 0.004+/-0.000 χ^2/NDF: 5512199.9/74

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.417+/-0.000 χ^2/NDF:145897235558.3/20

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

Left In: 0.404+/-0.000 χ^2/NDF:141457013711.1/18

Left: 0.411+/-0.000 χ^2/NDF: 287955057690.7/39

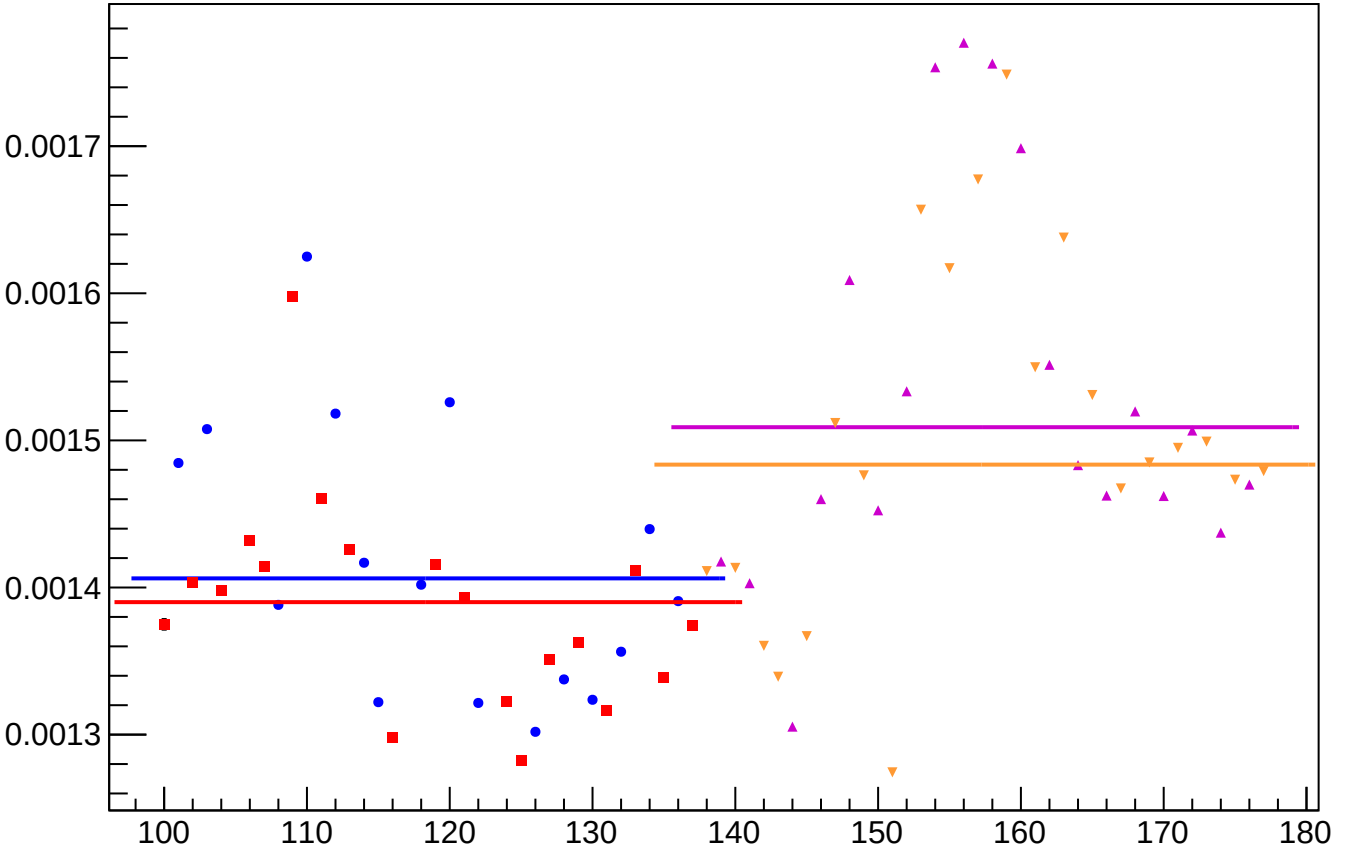
Right: 0.212+/-0.000 χ^2/NDF: 39451425816.8/34

In: 0.340+/-0.000 χ^2/NDF:236477637771.0/34

Out: 0.345+/-0.000 χ^2/NDF:281833006939.9/39

All: 0.343+/-0.000 χ^2/NDF: 518442565845.8

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:201165.3/20

Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.002+/-0.000 χ^2/NDF:204513.0/18

Left: 0.001+/-0.000 χ^2/NDF: 410232.7/39

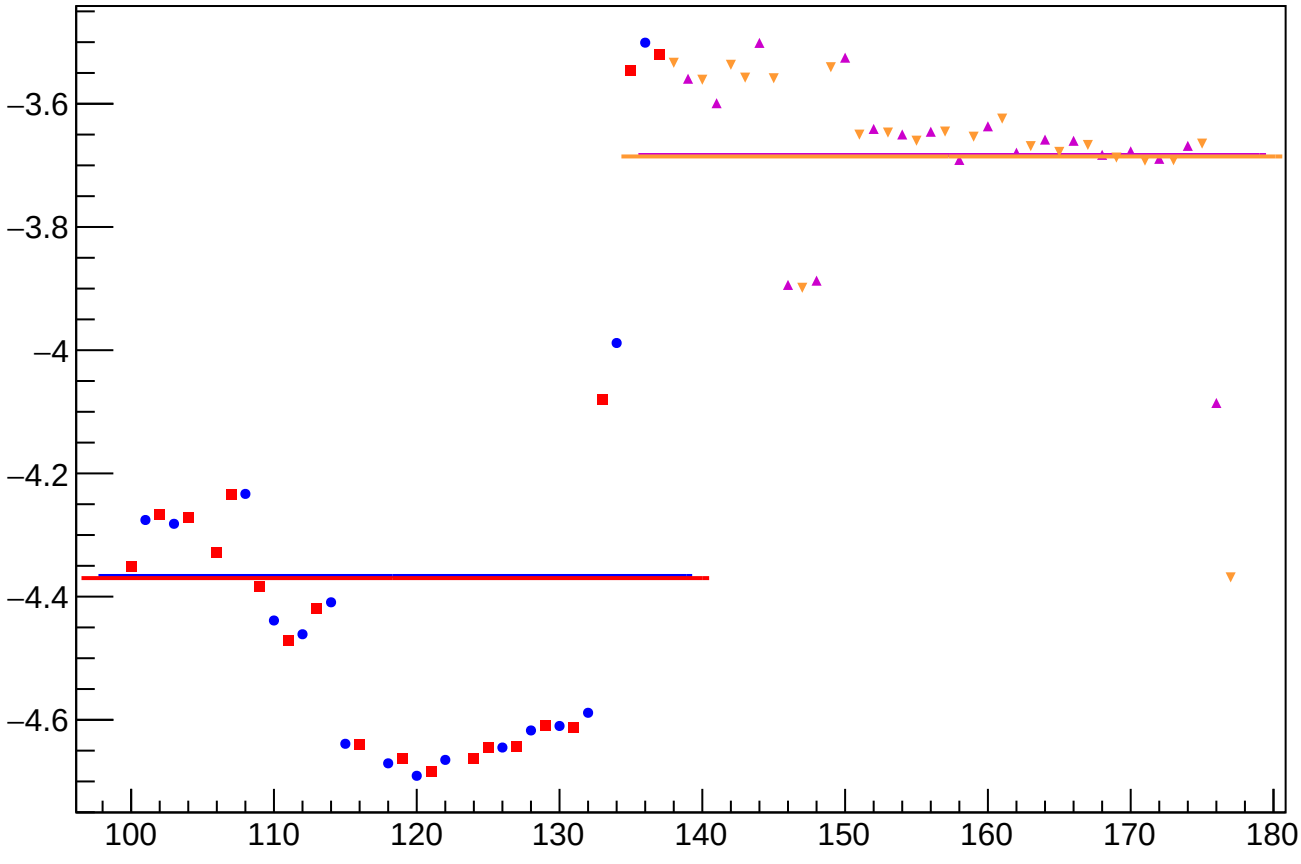
Right: 0.001+/-0.000 χ^2/NDF: 83938.6/34

In: 0.001+/-0.000 χ^2/NDF:301277.7/34

Out: 0.001+/-0.000 χ^2/NDF:279893.1/39

All: 0.001+/-0.000 χ^2/NDF: 586129.6/74

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.686+/-0.000 χ^2/NDF:182072722081.7/20

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

Left In: -3.683+/-0.000 χ^2/NDF:81352511266.6/18

Left: -3.684+/-0.000 χ^2/NDF: 263440280091.3/39

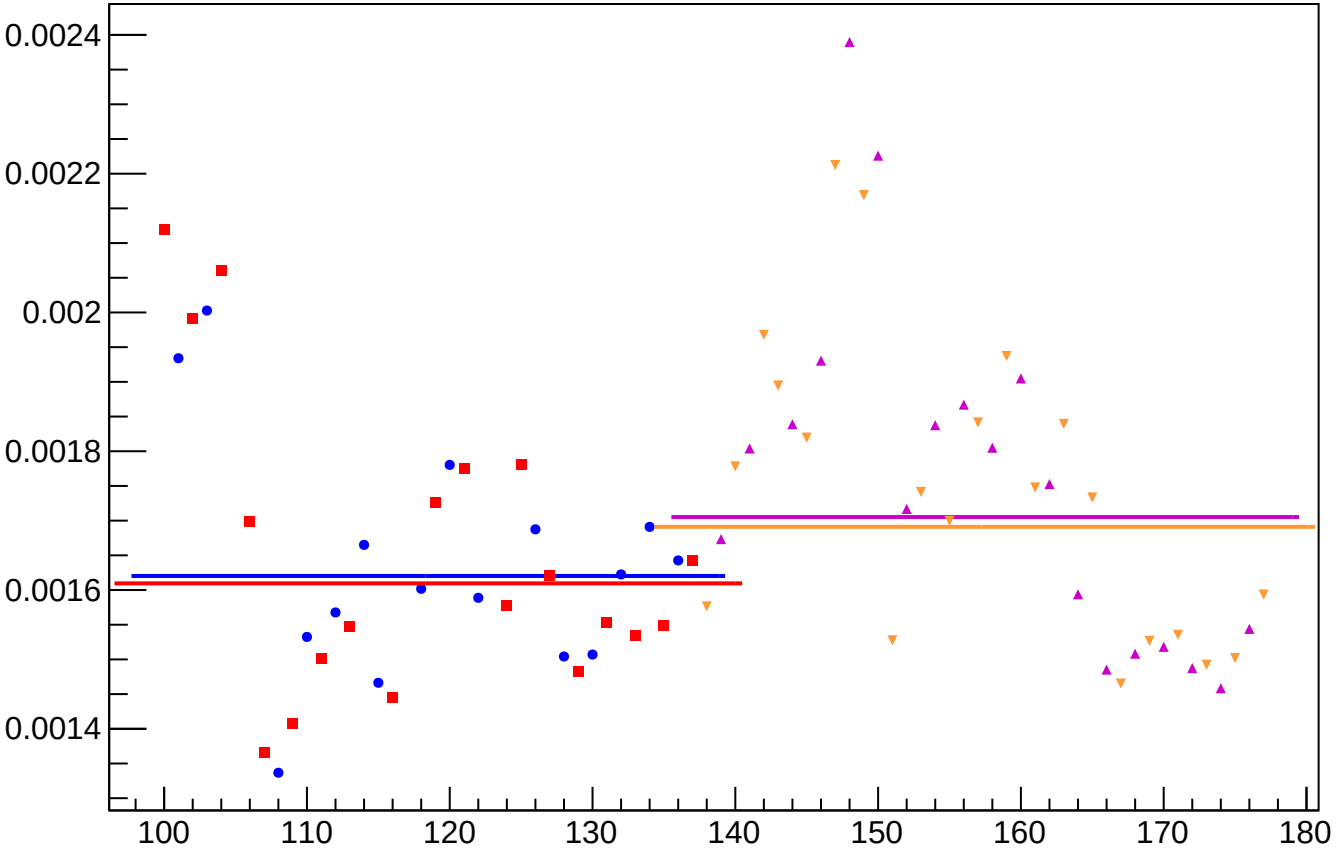
Right: -4.368+/-0.000 χ^2/NDF: 649165512283.3/34

In: -3.915+/-0.000 χ^2/NDF:1243096831362.8/34

Out: -3.911+/-0.000 χ^2/NDF:1340981199011.7/39

All: -3.913+/-0.000 χ^2/NDF: 2584124080369

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:424177.2/20

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

Left In: 0.002+/-0.000 χ^2/NDF:491430.8/18

Left: 0.002+/-0.000 χ^2/NDF: 916674.2/39

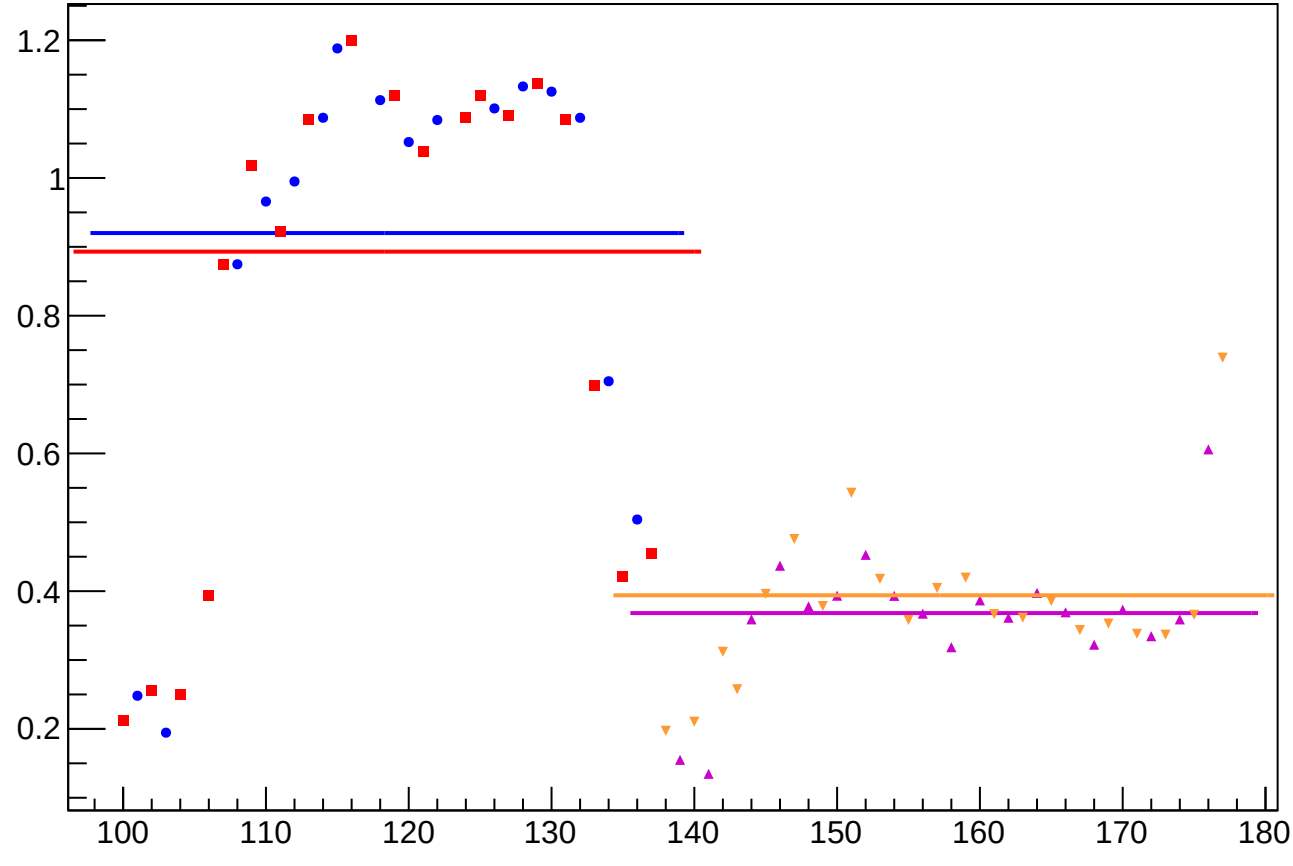
Right: 0.002+/-0.000 χ^2/NDF: 325489.2/34

In: 0.002+/-0.000 χ^2/NDF:656650.3/34

Out: 0.002+/-0.000 χ^2/NDF:633612.2/39

All: 0.002+/-0.000 χ^2/NDF: 1291461.8/74

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.394+/-0.000 χ^2/NDF:4490566214.9/20

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

Left In: 0.368+/-0.000 χ^2/NDF:2518667744.0/18

Left: 0.382+/-0.000 χ^2/NDF: 7114672846.6/39

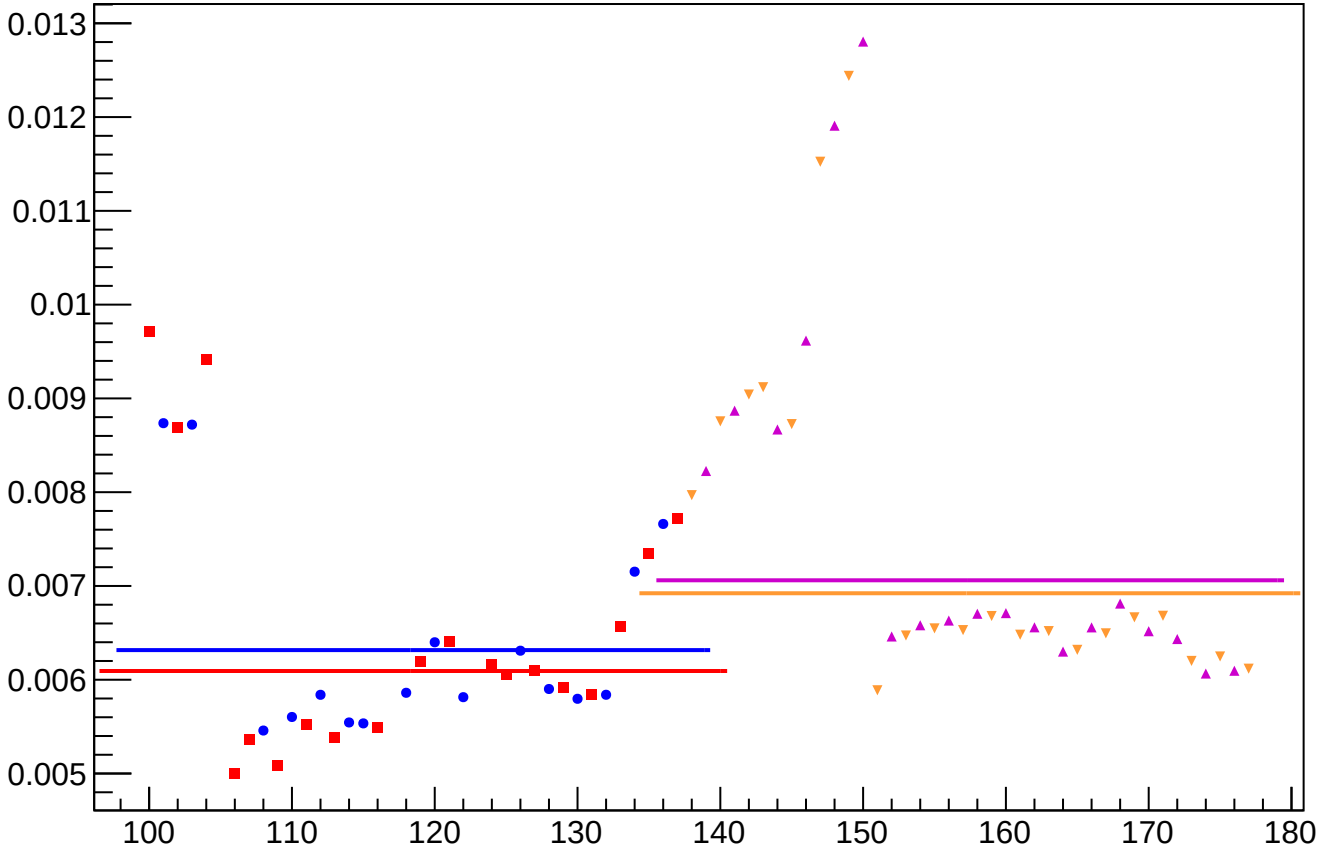
Right: 0.906+/-0.000 χ^2/NDF: 32276058175.7/34

In: 0.573+/-0.000 χ^2/NDF:50783221212.1/34

Out: 0.578+/-0.000 χ^2/NDF:52831500229.0/39

All: 0.576+/-0.000 χ^2/NDF: 103622399000.7

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:1076960.4/20

Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.007+/-0.000 χ^2/NDF:1110061.3/18

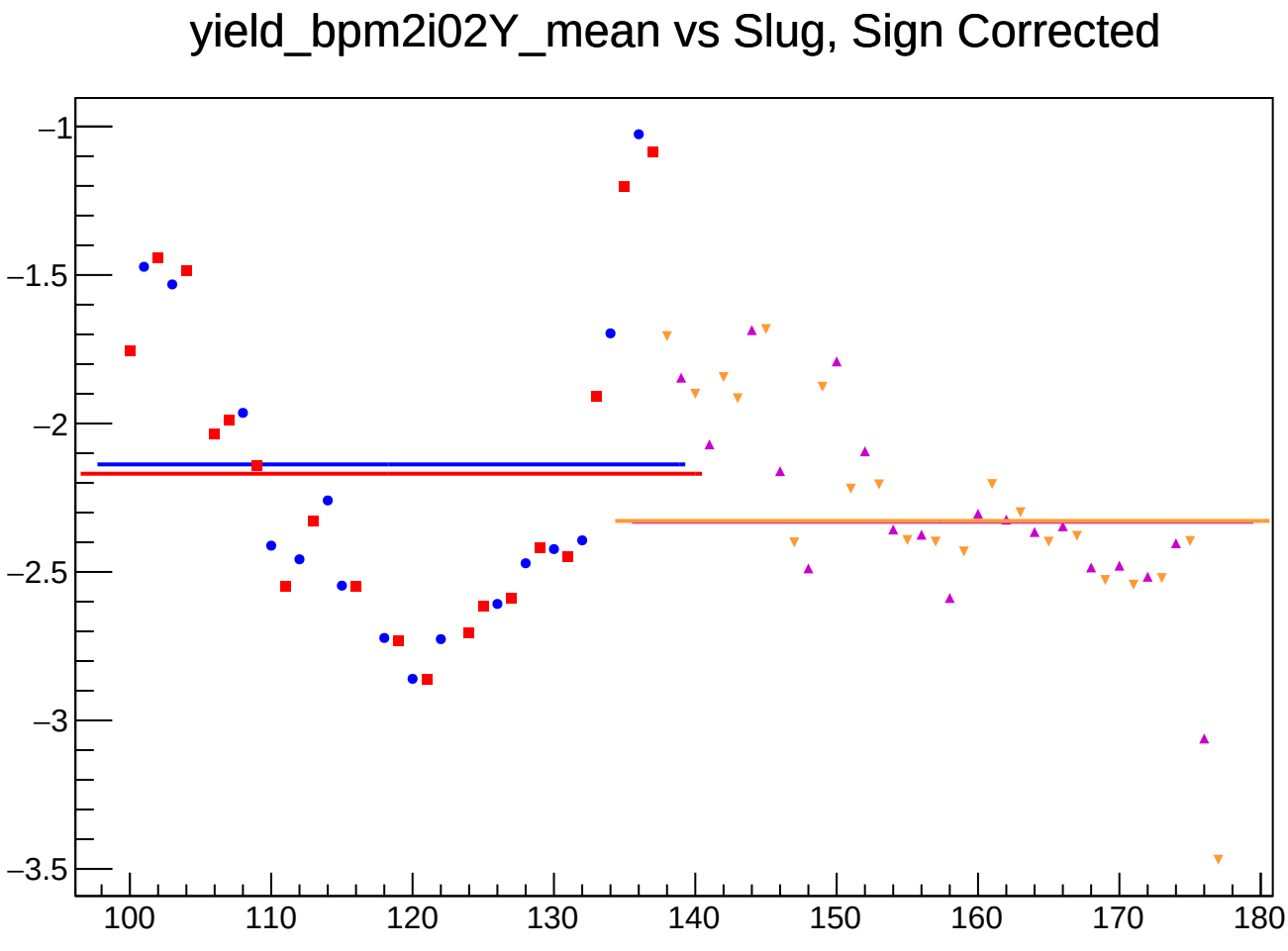
Left: 0.007+/-0.000 χ^2/NDF: 2193047.2/39

Right: 0.006+/-0.000 χ^2/NDF: 780835.2/34

In: 0.007+/-0.000 χ^2/NDF:1568394.5/34

Out: 0.007+/-0.000 χ^2/NDF:1682372.1/39

All: 0.007+/-0.000 χ^2/NDF: 3264952.0/74



Right In: -2.138+/-0.000 χ^2/NDF: 65666622158.4/15

Left Out: -2.328+/-0.000 χ^2/NDF:53357658997.7/20

Right Out: -2.169+/-0.000 χ^2/NDF: 57409196879.6/18

Left In: -2.331+/-0.000 χ^2/NDF:29096003001.5/18

Left: -2.330+/-0.000 χ^2/NDF: 82455232908.9/39

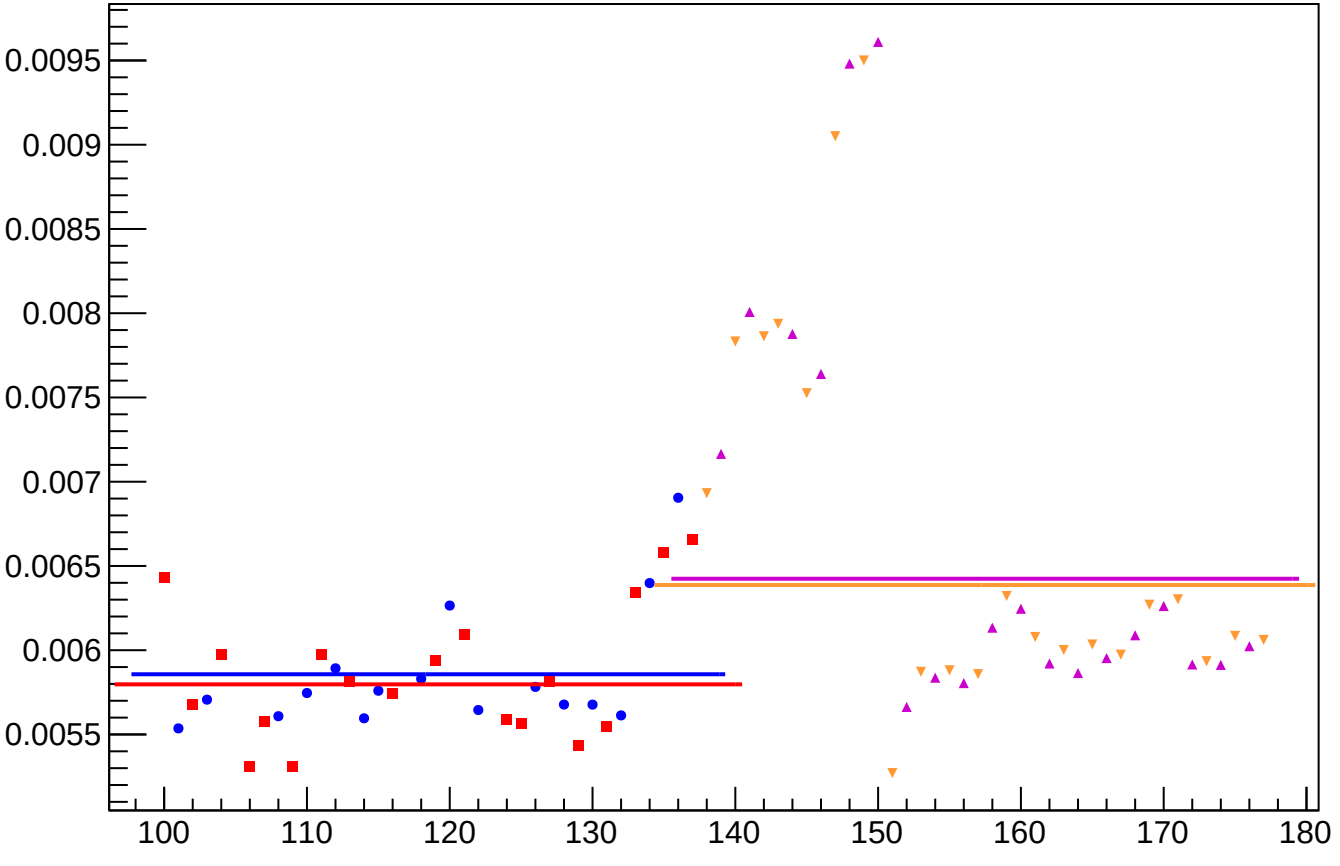
Right: -2.154+/-0.000 χ^2/NDF: 123181980201.2/34

In: -2.261+/-0.000 χ^2/NDF:99739611134.5/34

Out: -2.271+/-0.000 χ^2/NDF:114365788448.9/39

All: -2.266+/-0.000 χ^2/NDF: 214138657487.8

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 61946.9/15

Left Out: 0.006+/-0.000 χ^2/NDF:673842.3/20

Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

Left In: 0.006+/-0.000 χ^2/NDF:702640.2/18

Left: 0.006+/-0.000 χ^2/NDF: 1377011.7/39

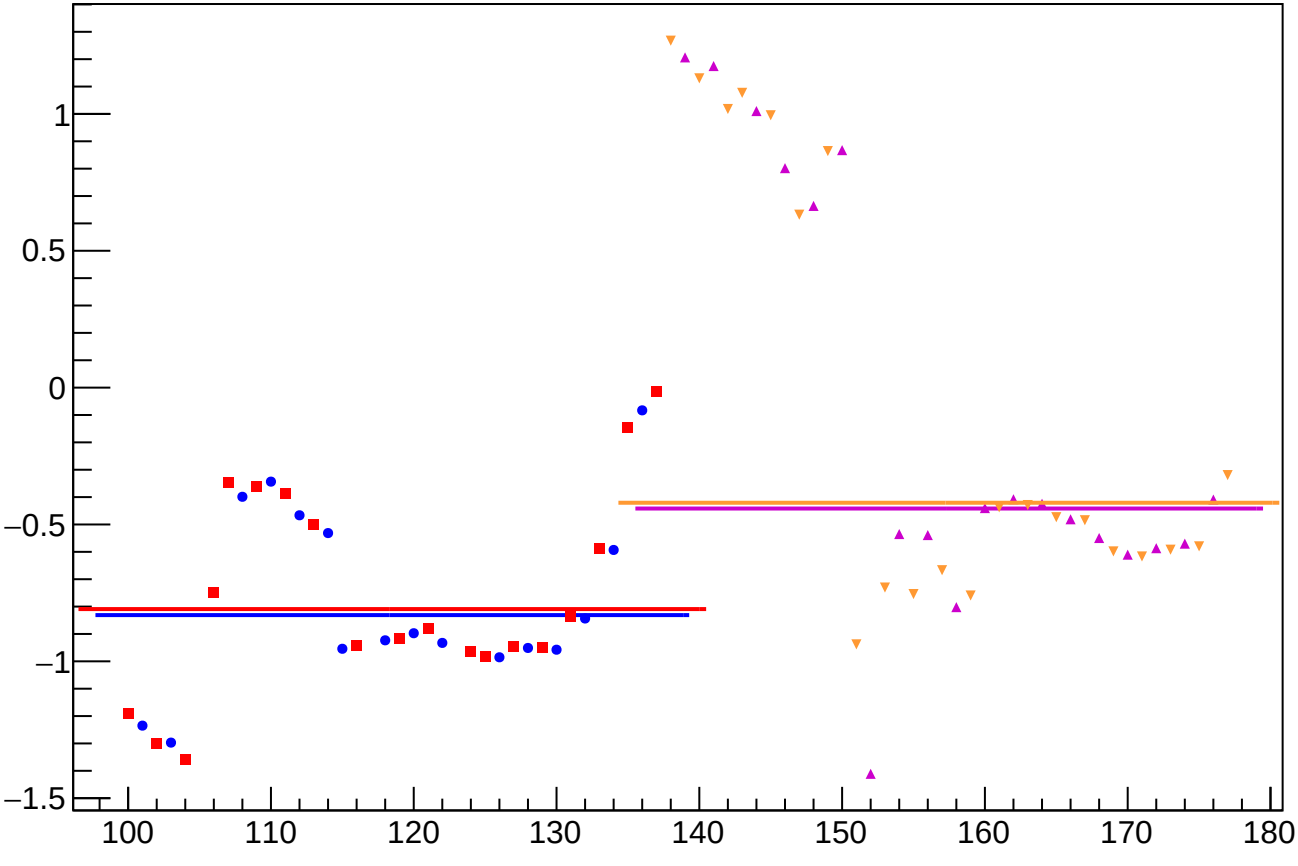
Right: 0.006+/-0.000 χ^2/NDF: 119093.4/34

In: 0.006+/-0.000 χ^2/NDF:850308.3/34

Out: 0.006+/-0.000 χ^2/NDF:829266.0/39

All: 0.006+/-0.000 χ^2/NDF: 1680622.4/74

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: -0.421+/-0.000 χ^2/NDF:81206131510.3/20

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

Left In: -0.442+/-0.000 χ^2/NDF:89605245896.9/18

Left: -0.431+/-0.000 χ^2/NDF: 170876044373.4/39

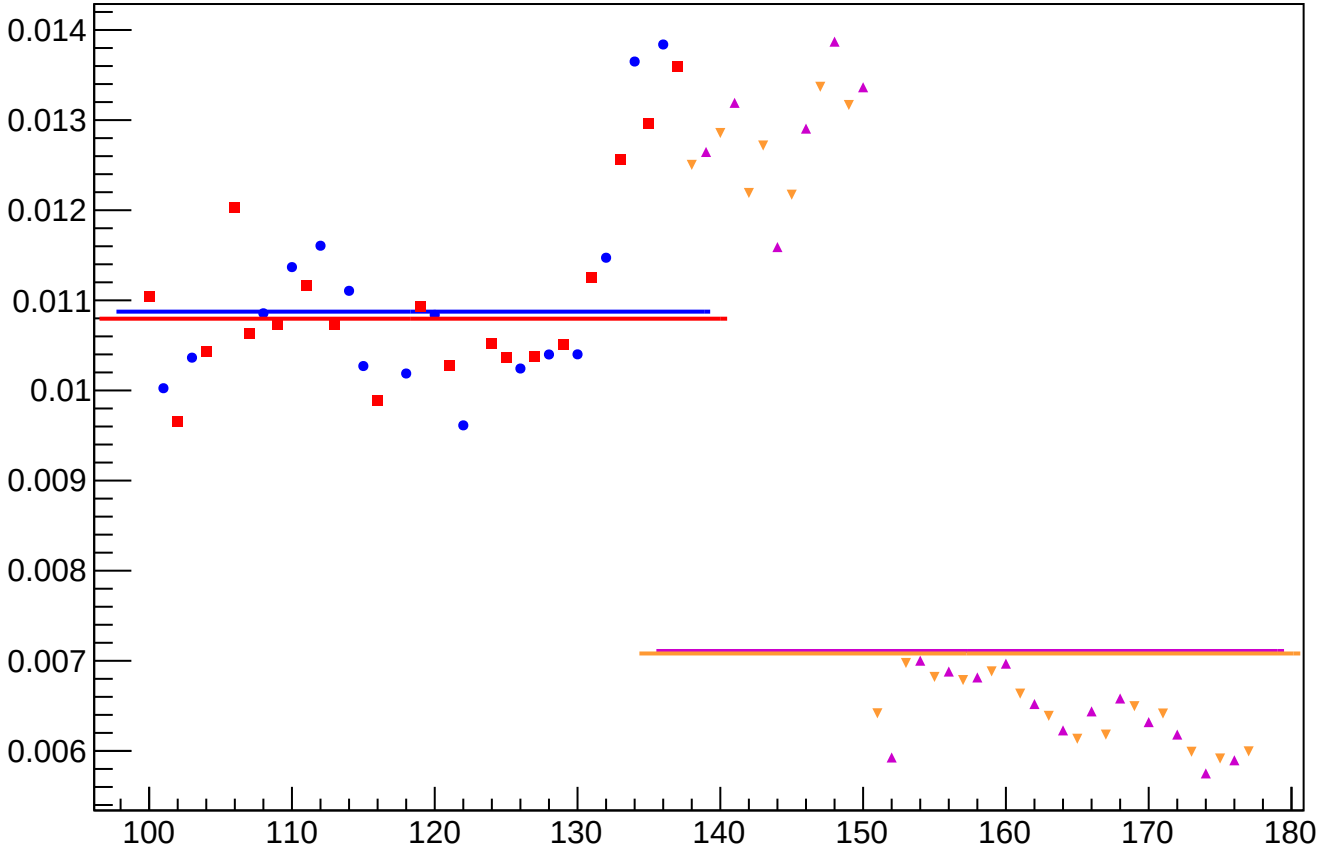
Right: -0.820+/-0.000 χ^2/NDF: 15273298764.6/34

In: -0.510+/-0.000 χ^2/NDF:104145794983.1/34

Out: -0.487+/-0.000 χ^2/NDF:97114299621.1/39

All: -0.498+/-0.000 χ^2/NDF: 201357017387.0

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:2379501.9/20

Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.007+/-0.000 χ^2/NDF:2415357.3/18

Left: 0.007+/-0.000 χ^2/NDF: 4795080.0/39

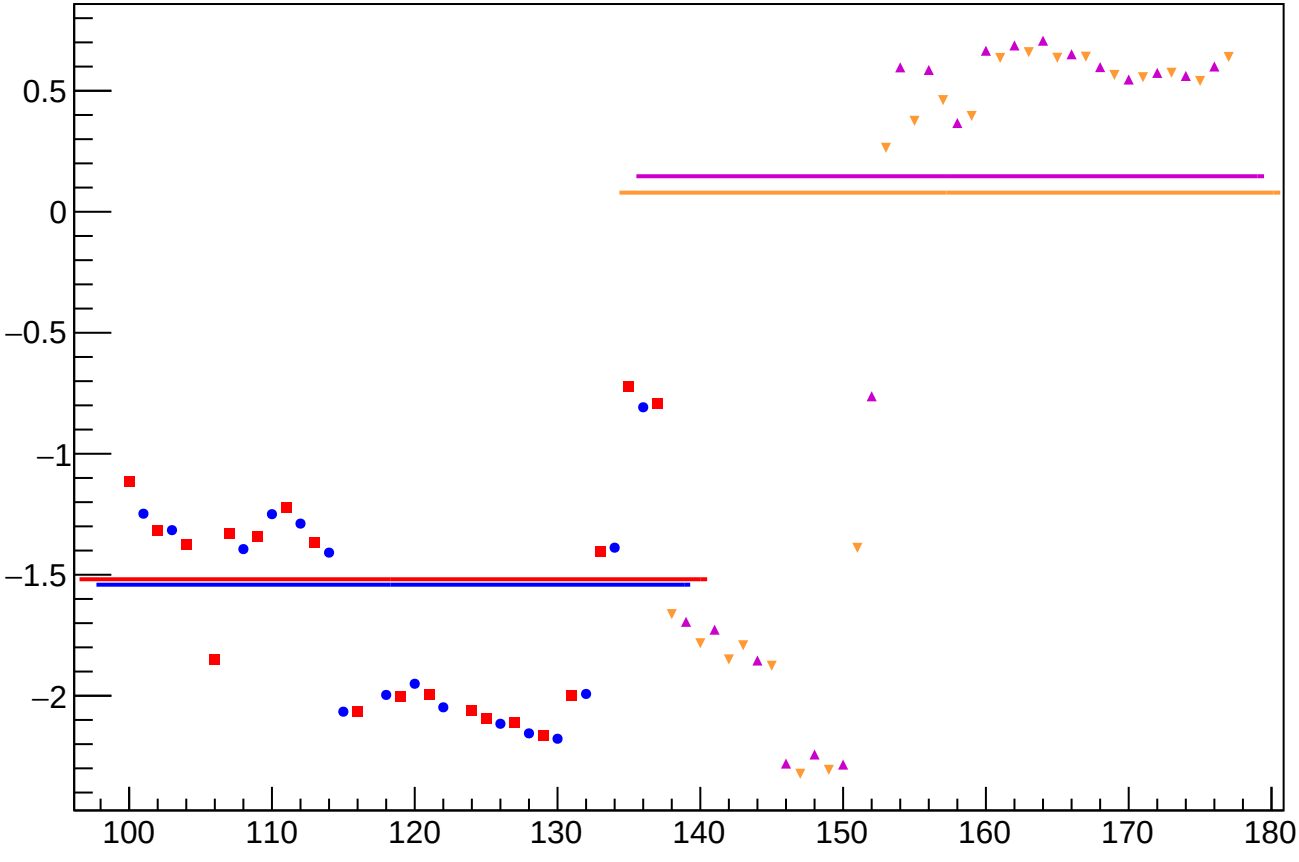
Right: 0.011+/-0.000 χ^2/NDF: 257107.2/34

In: 0.008+/-0.000 χ^2/NDF:3962739.1/34

Out: 0.008+/-0.000 χ^2/NDF:3898182.7/39

All: 0.008+/-0.000 χ^2/NDF: 7862097.5/74

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.541+/-0.000 χ^2/NDF: 162409397922.2/15

Left Out: 0.079+/-0.000 χ^2/NDF:2299509952107.1/20

Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

Left In: 0.147+/-0.000 χ^2/NDF:2042632985506.0/18

Left: 0.112+/-0.000 χ^2/NDF: 4347713044548.1/39

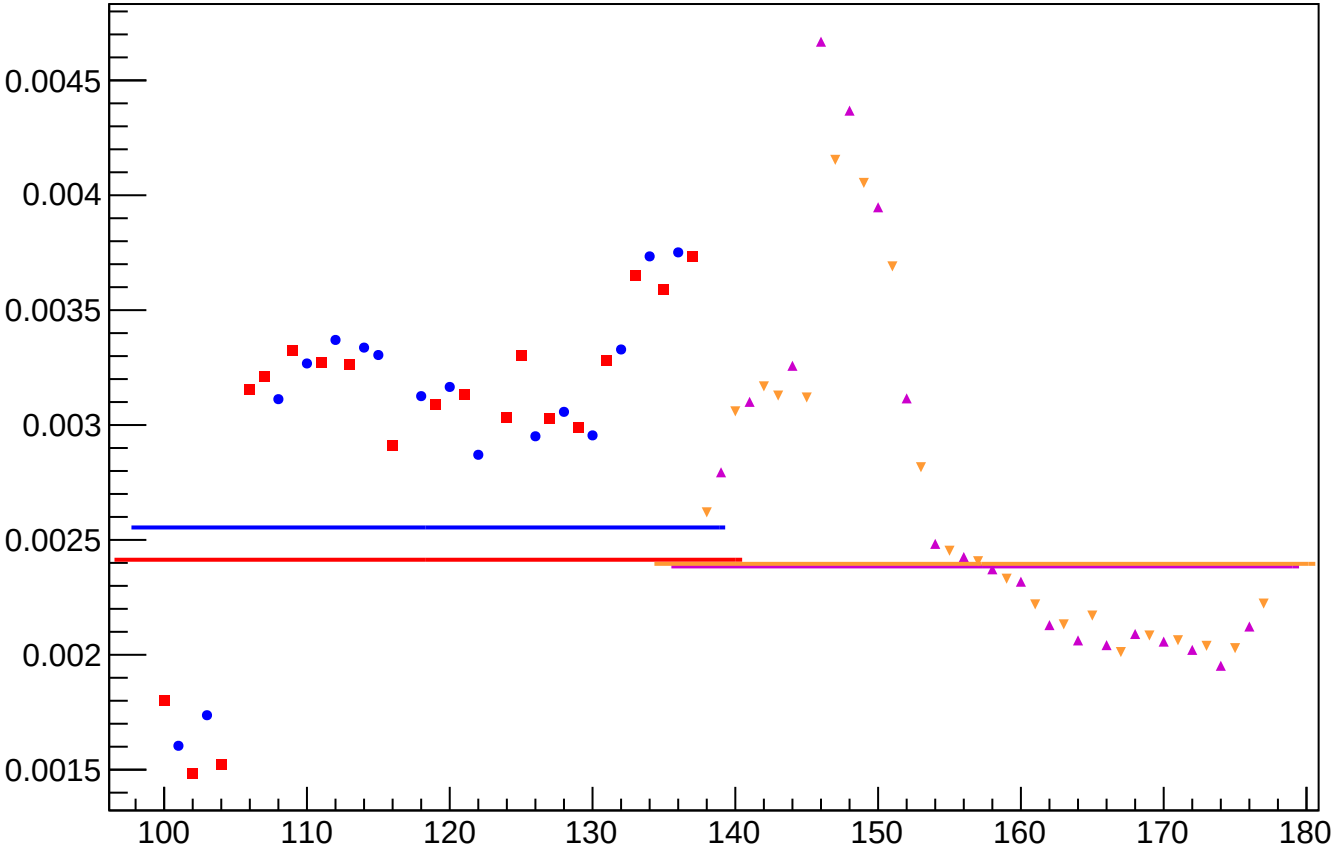
Right: -1.529+/-0.000 χ^2/NDF: 307732116783.0/34

In: -0.332+/-0.000 χ^2/NDF:4099919840758.7/34

Out: -0.379+/-0.000 χ^2/NDF:4295964939257.8/39

All: -0.357+/-0.000 χ^2/NDF: 8399665052188

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:1205669.3/20

Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.002+/-0.000 χ^2/NDF:1399532.4/18

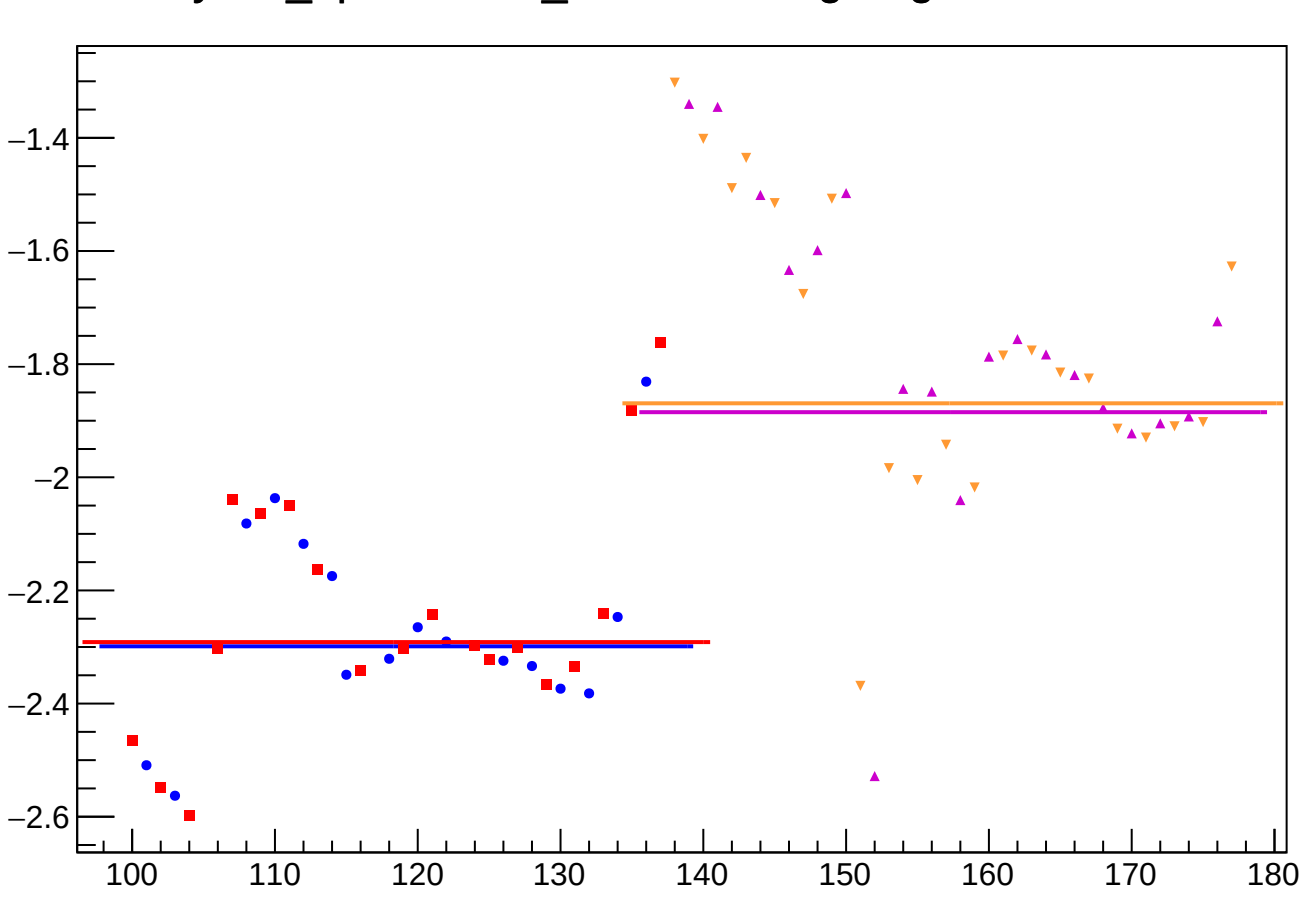
Left: 0.002+/-0.000 χ^2/NDF: 2605509.6/39

Right: 0.002+/-0.000 χ^2/NDF: 2738423.5/34

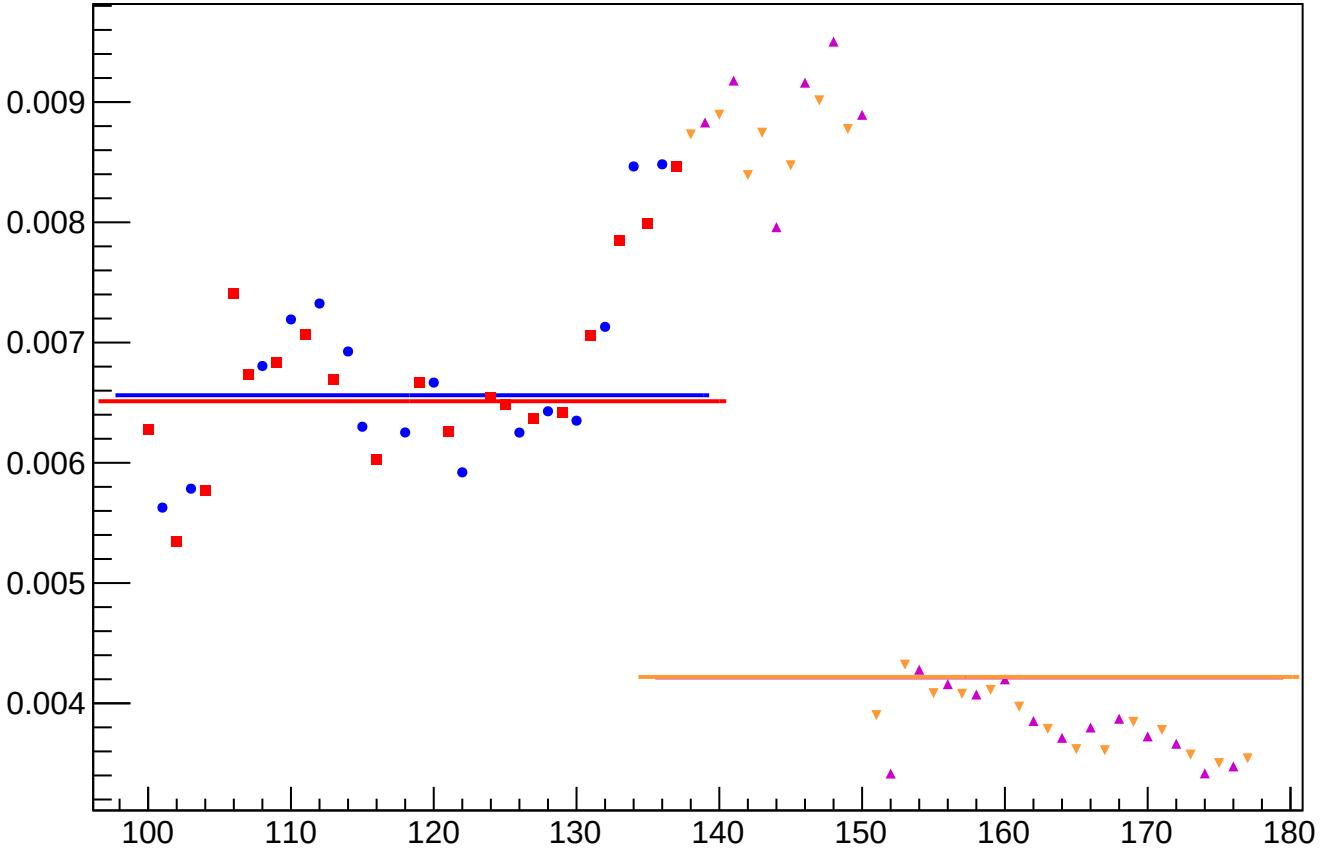
In: 0.002+/-0.000 χ^2/NDF:2610209.6/34

Out: 0.002+/-0.000 χ^2/NDF:2752961.1/39

All: 0.002+/-0.000 χ^2/NDF: 5366600.6/74


yield_bpm0i01aX_mean vs Slug, Sign Corrected
−1.4
−1.6
−1.8
−2
−2.2
−2.4
−2.6
100
110
120
130
140
150
160
170
180
Right In: -2.299+/-0.000 χ²/NDF: 6129071089.8/15
Left Out: -1.869+/-0.000 χ²/NDF:31393855533.5/20
Right Out: -2.291+/-0.000 χ²/NDF: 6831007568.9/18
Left In: -1.885+/-0.000 χ²/NDF:44814380137.8/18
Left: -1.877+/-0.000 χ²/NDF: 76304594986.2/39
Right: -2.295+/-0.000 χ²/NDF: 12964639512.9/34
In: -1.957+/-0.000 χ²/NDF:73649177136.1/34
Out: -1.941+/-0.000 χ²/NDF:62975528680.3/39
All: -1.949+/-0.000 χ²/NDF: 136752248813.2

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:3083007.9/20

Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.004+/-0.000 χ^2/NDF:3141415.4/18

Left: 0.004+/-0.000 χ^2/NDF: 6224435.1/39

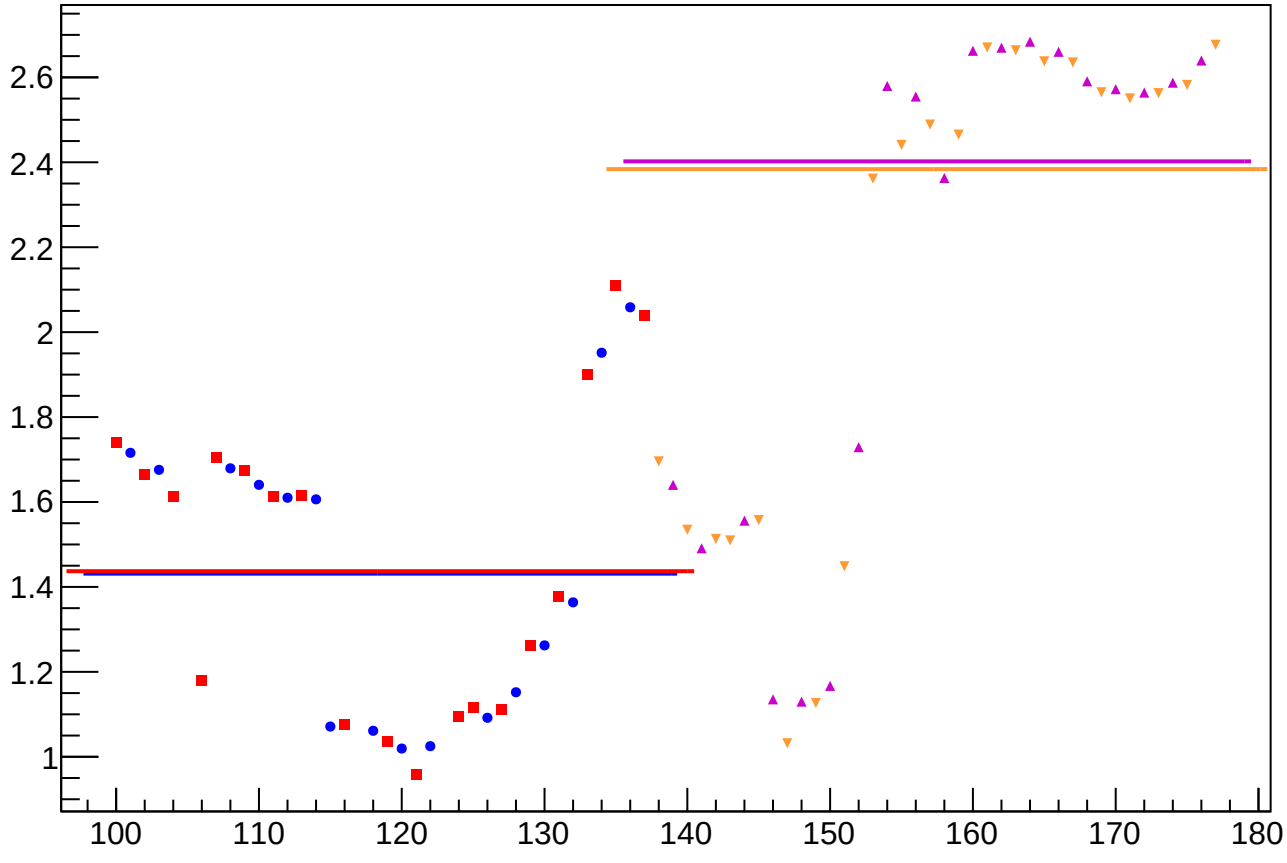
Right: 0.007+/-0.000 χ^2/NDF: 407258.0/34

In: 0.005+/-0.000 χ^2/NDF:4823024.0/34

Out: 0.005+/-0.000 χ^2/NDF:4728690.7/39

All: 0.005+/-0.000 χ^2/NDF: 9551998.2/74

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 2.384+/-0.000 χ^2/NDF:231968982330.4/20

Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

Left In: 2.402+/-0.000 χ^2/NDF:218934897312.2/18

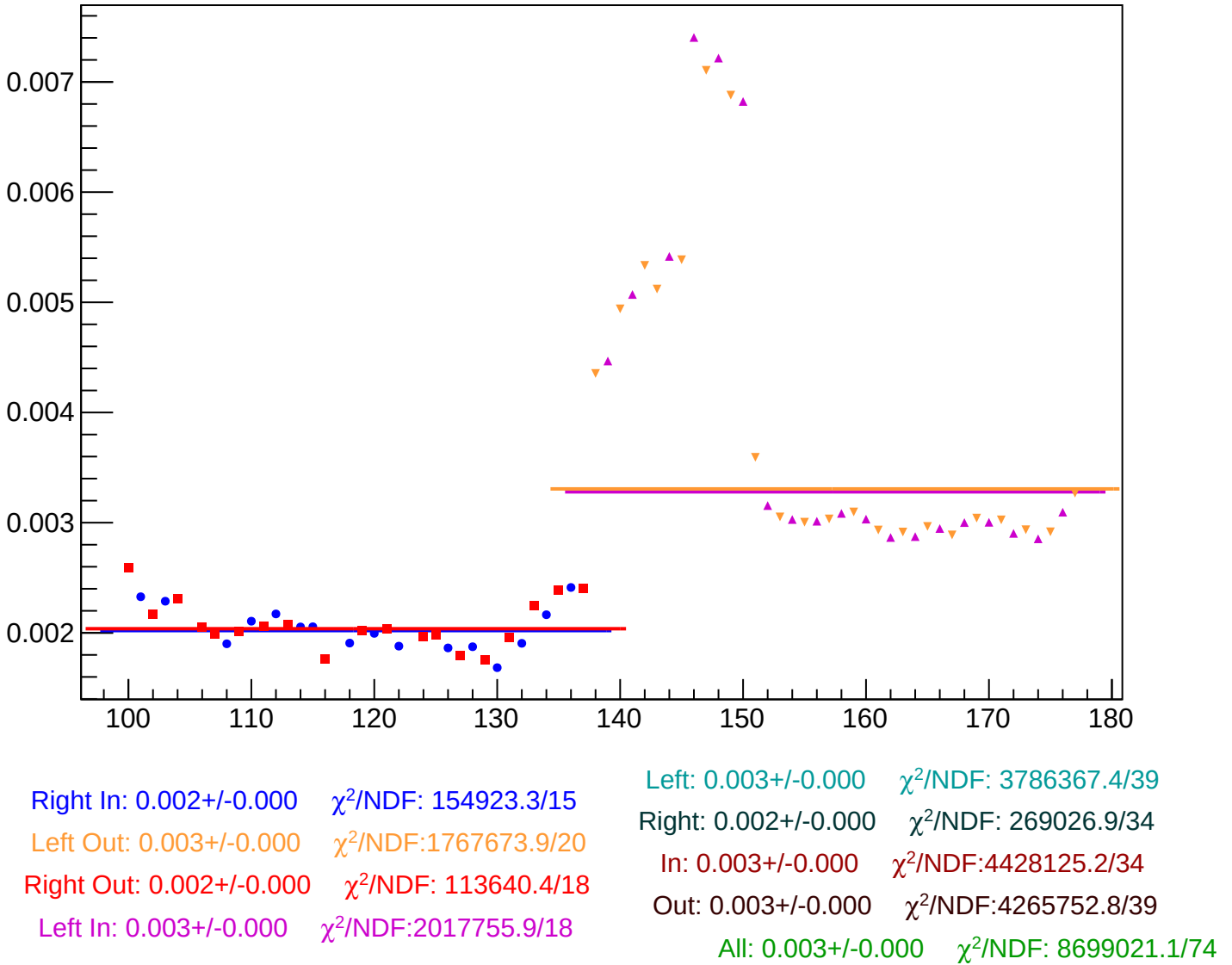
Left: 2.393+/-0.000 χ^2/NDF: 451120975891.4/39

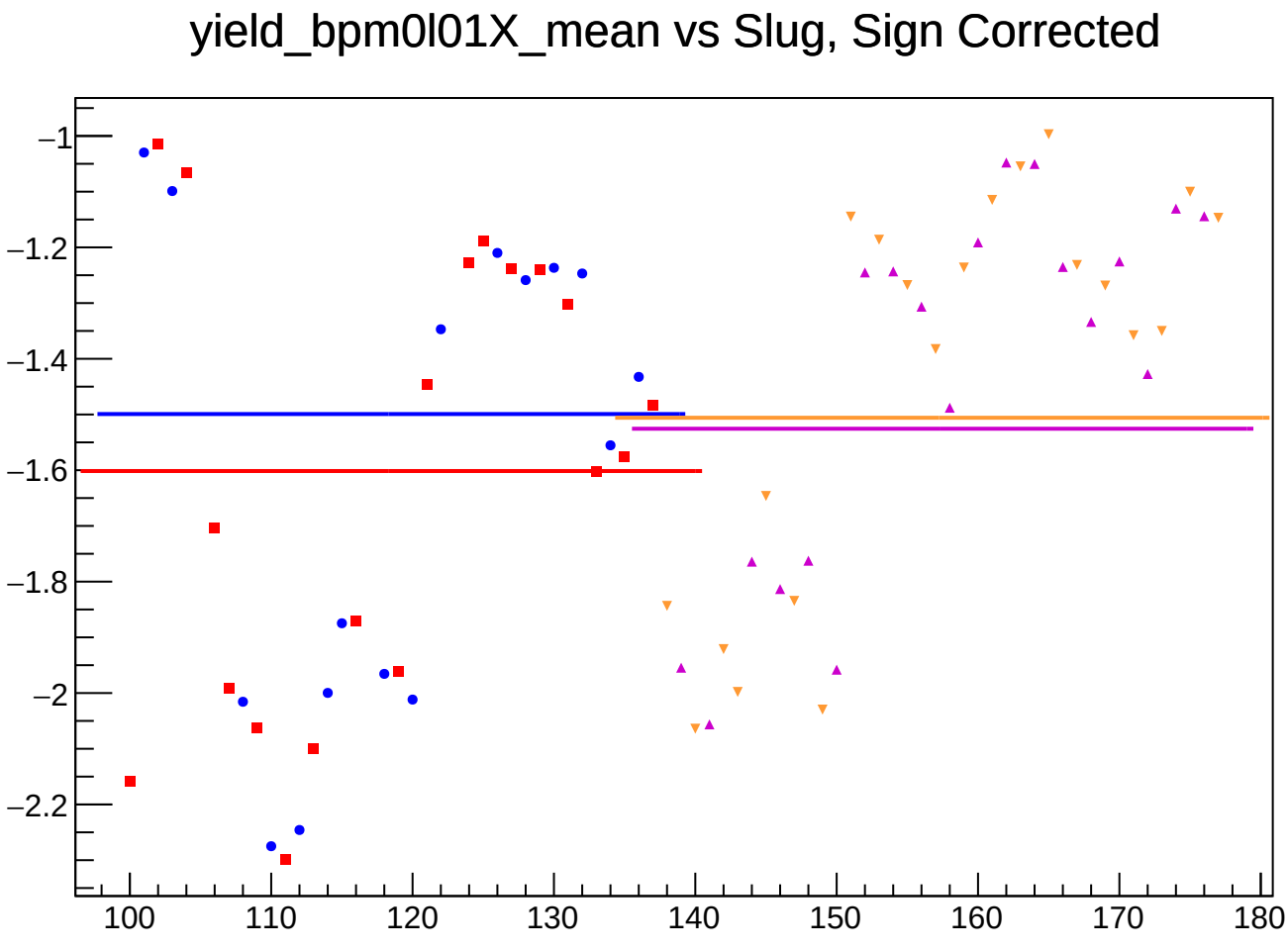
Right: 1.434+/-0.000 χ^2/NDF: 371226177704.8/34

In: 1.856+/-0.000 χ^2/NDF:1078336209038.8/34

Out: 1.867+/-0.000 χ^2/NDF:1077601099782.3/39

All: 1.861+/-0.000 χ^2/NDF: 2156103105556.


yield_bpm0i01aY_rms vs Slug, Sign Corrected
0.007
0.006
0.005
0.004
0.003
0.002
100
110
120
130
140
150
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 154923.3/15
Left Out: 0.003+/-0.000 χ²/NDF:1767673.9/20
Right Out: 0.002+/-0.000 χ²/NDF: 113640.4/18
Left In: 0.003+/-0.000 χ²/NDF:2017755.9/18
Left: 0.003+/-0.000 χ²/NDF: 3786367.4/39
Right: 0.002+/-0.000 χ²/NDF: 269026.9/34
In: 0.003+/-0.000 χ²/NDF:4428125.2/34
Out: 0.003+/-0.000 χ²/NDF:4265752.8/39
All: 0.003+/-0.000 χ²/NDF: 8699021.1/74



Right In: -1.499+/-0.000 χ^2/NDF: 22930357522.2/15

Left Out: -1.506+/-0.000 χ^2/NDF:46596828947.1/20

Right Out: -1.601+/-0.000 χ^2/NDF: 28324914147.6/18

Left In: -1.526+/-0.000 χ^2/NDF:35889014066.9/18

Left: -1.515+/-0.000 χ^2/NDF: 82548635980.1/39

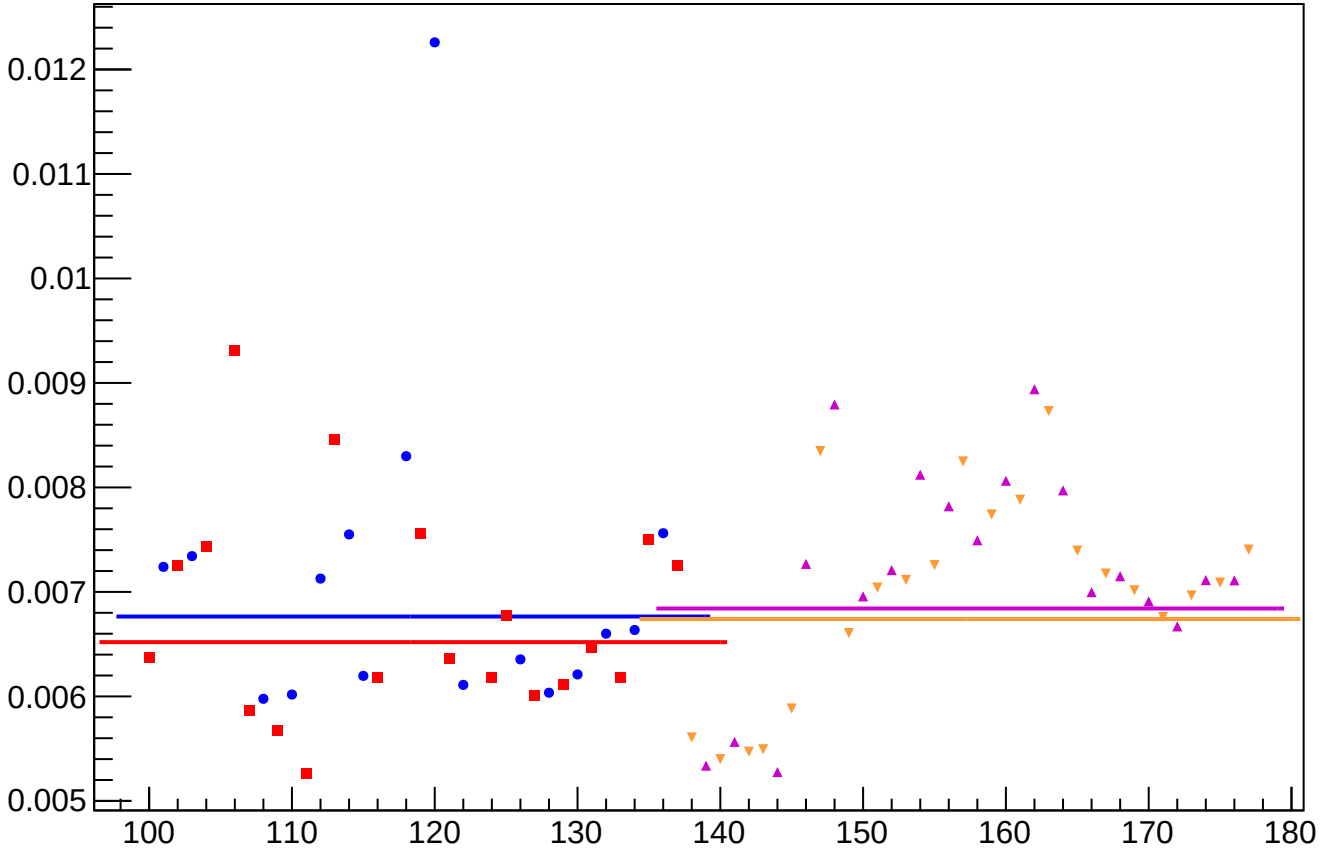
Right: -1.554+/-0.000 χ^2/NDF: 52047267484.5/34

In: -1.517+/-0.000 χ^2/NDF:58886802261.1/34

Out: -1.537+/-0.000 χ^2/NDF:75928463388.6/39

All: -1.527+/-0.000 χ^2/NDF: 134904705949.8

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:619466.3/20

Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.007+/-0.000 χ^2/NDF:684198.9/18

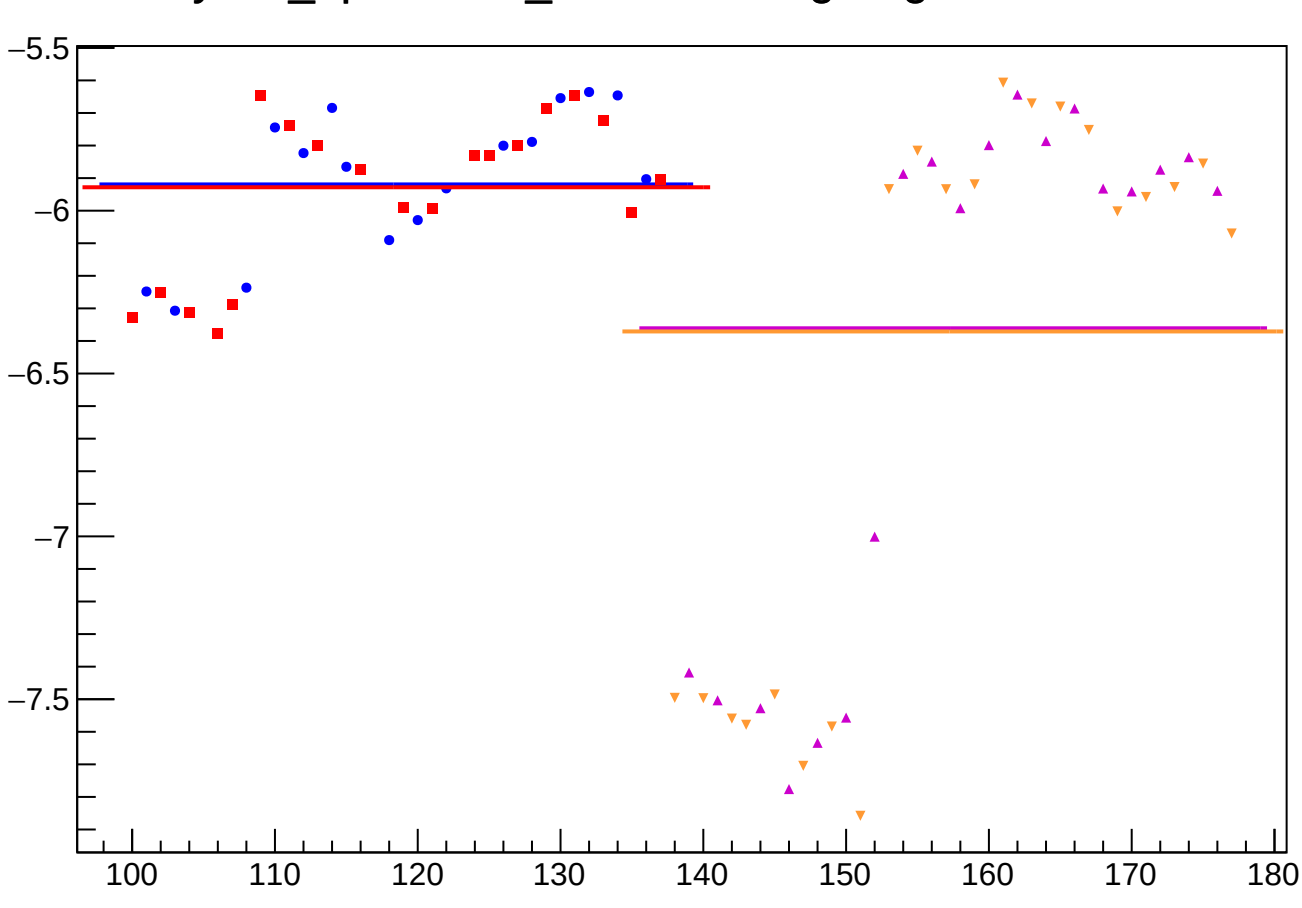
Left: 0.007+/-0.000 χ^2/NDF: 1306938.1/39

Right: 0.007+/-0.000 χ^2/NDF: 493094.9/34

In: 0.007+/-0.000 χ^2/NDF:923907.8/34

Out: 0.007+/-0.000 χ^2/NDF:875680.2/39

All: 0.007+/-0.000 χ^2/NDF: 1809924.1/74



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -6.371+/-0.000 χ^2/NDF:107861305876.3/20

Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

Left In: -6.361+/-0.000 χ^2/NDF:89074675118.9/18

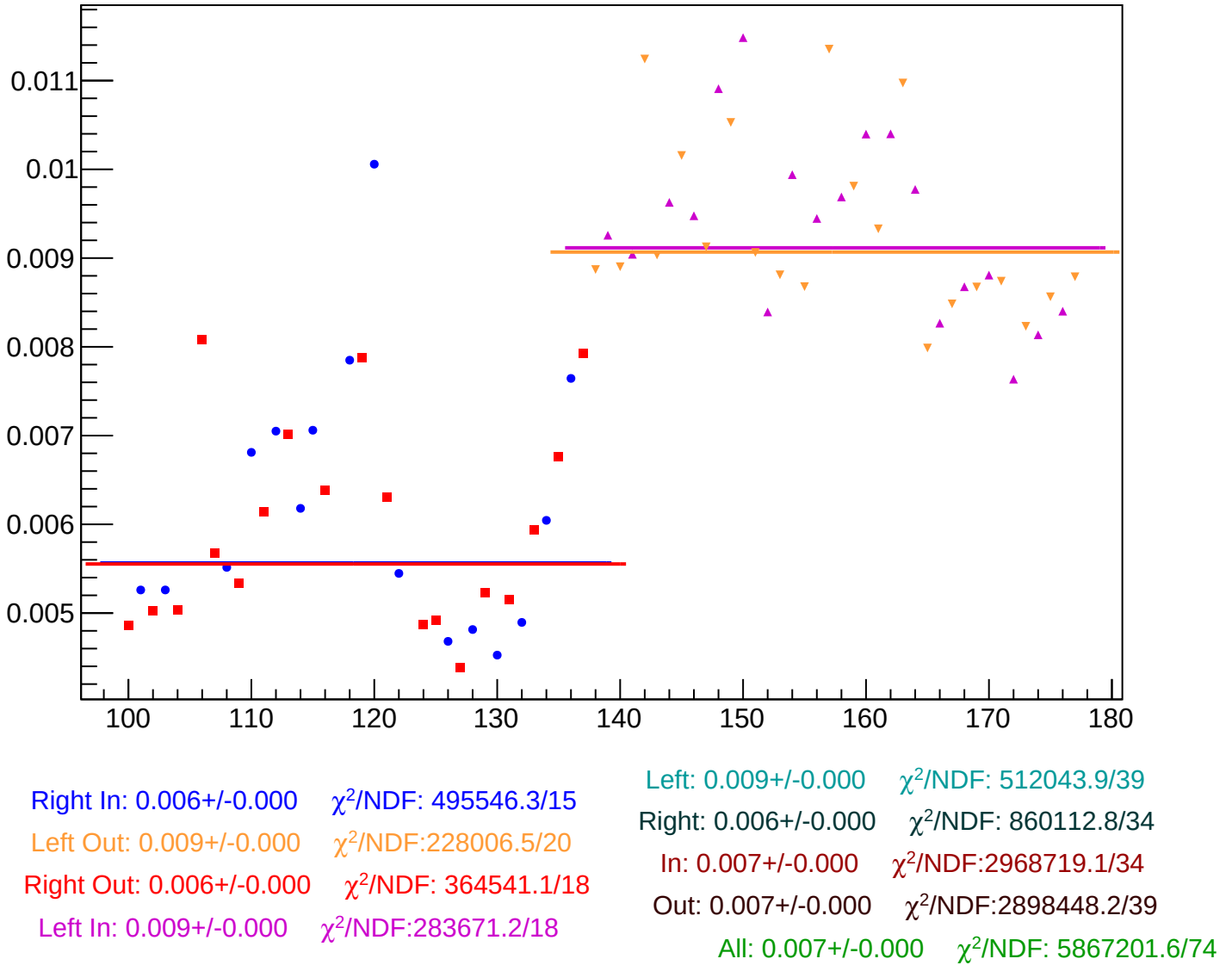
Left: -6.366+/-0.000 χ^2/NDF: 196943487857.5/39

Right: -5.924+/-0.000 χ^2/NDF: 24391751979.3/34

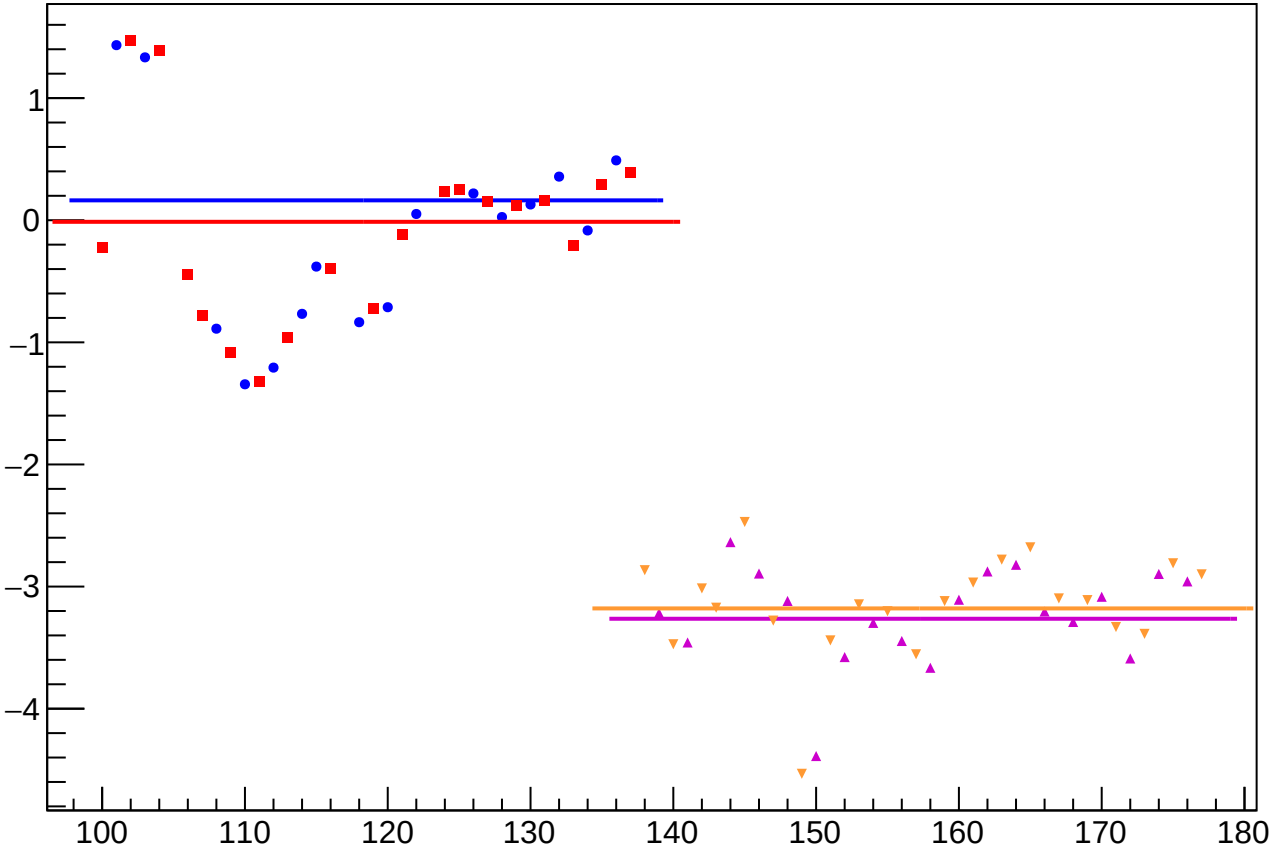
In: -6.113+/-0.000 χ^2/NDF:117753606443.5/34

Out: -6.124+/-0.000 χ^2/NDF:138790966140.9/39

All: -6.119+/-0.000 χ^2/NDF: 256568019277.2


yield_bpm0l01Y_rms vs Slug, Sign Corrected
0.011
0.01
0.009
0.008
0.007
0.006
0.005
100
110
120
130
140
150
160
170
180
Right In: 0.006+/-0.000 χ²/NDF: 495546.3/15
Left Out: 0.009+/-0.000 χ²/NDF:228006.5/20
Right Out: 0.006+/-0.000 χ²/NDF: 364541.1/18
Left In: 0.009+/-0.000 χ²/NDF:283671.2/18
Left: 0.009+/-0.000 χ²/NDF: 512043.9/39
Right: 0.006+/-0.000 χ²/NDF: 860112.8/34
In: 0.007+/-0.000 χ²/NDF:2968719.1/34
Out: 0.007+/-0.000 χ²/NDF:2898448.2/39
All: 0.007+/-0.000 χ²/NDF: 5867201.6/74

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.179+/-0.000 χ^2/NDF:8940036594.2/20

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

Left In: -3.264+/-0.000 χ^2/NDF:7421180340.5/18

Left: -3.219+/-0.000 χ^2/NDF: 16546733667.2/39

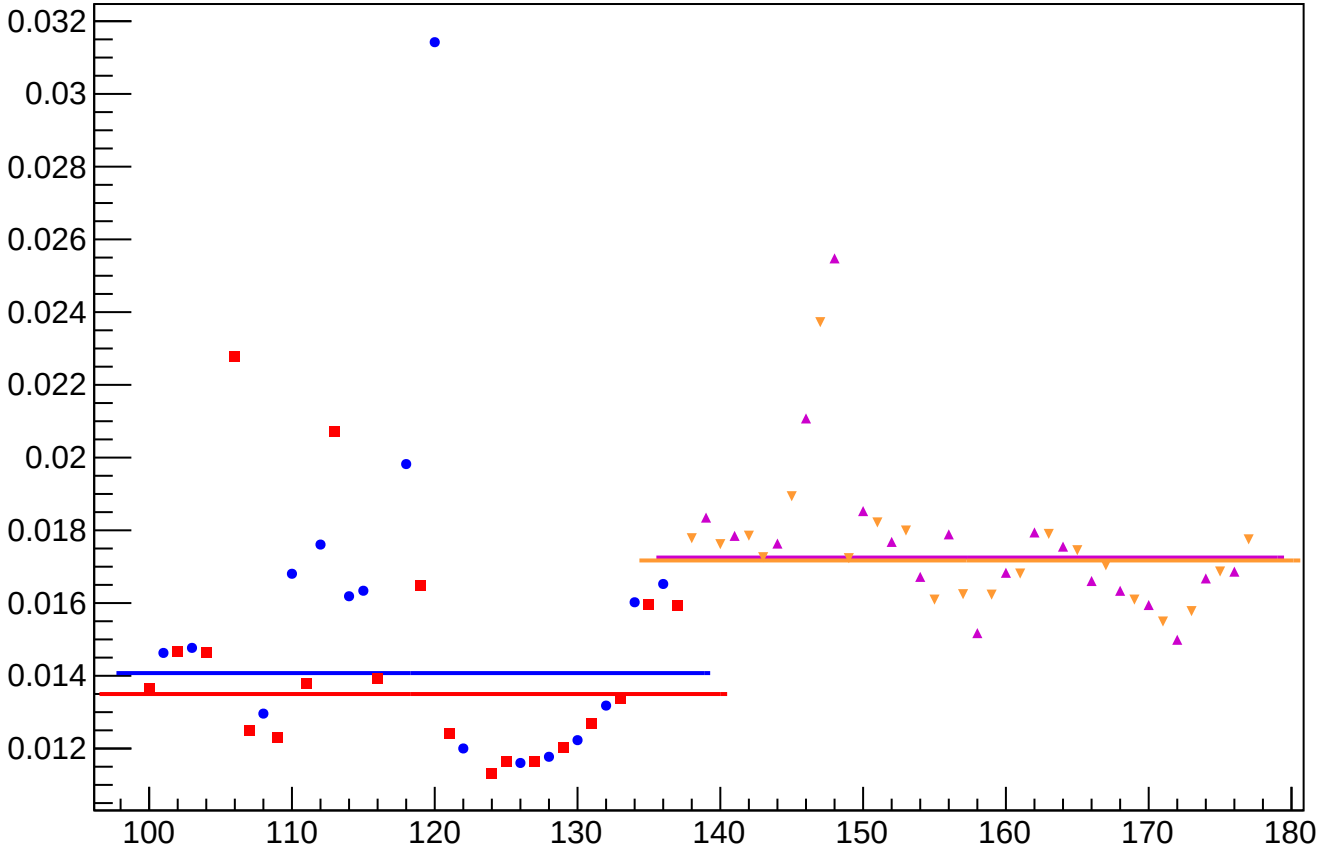
Right: 0.068+/-0.000 χ^2/NDF: 40953433371.5/34

In: -1.925+/-0.000 χ^2/NDF:253031629459.6/34

Out: -1.888+/-0.000 χ^2/NDF:252132300415.6/39

All: -1.905+/-0.000 χ^2/NDF: 505221840938.

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:201867.9/20

Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

Left In: 0.017+/-0.000 χ^2/NDF:322933.7/18

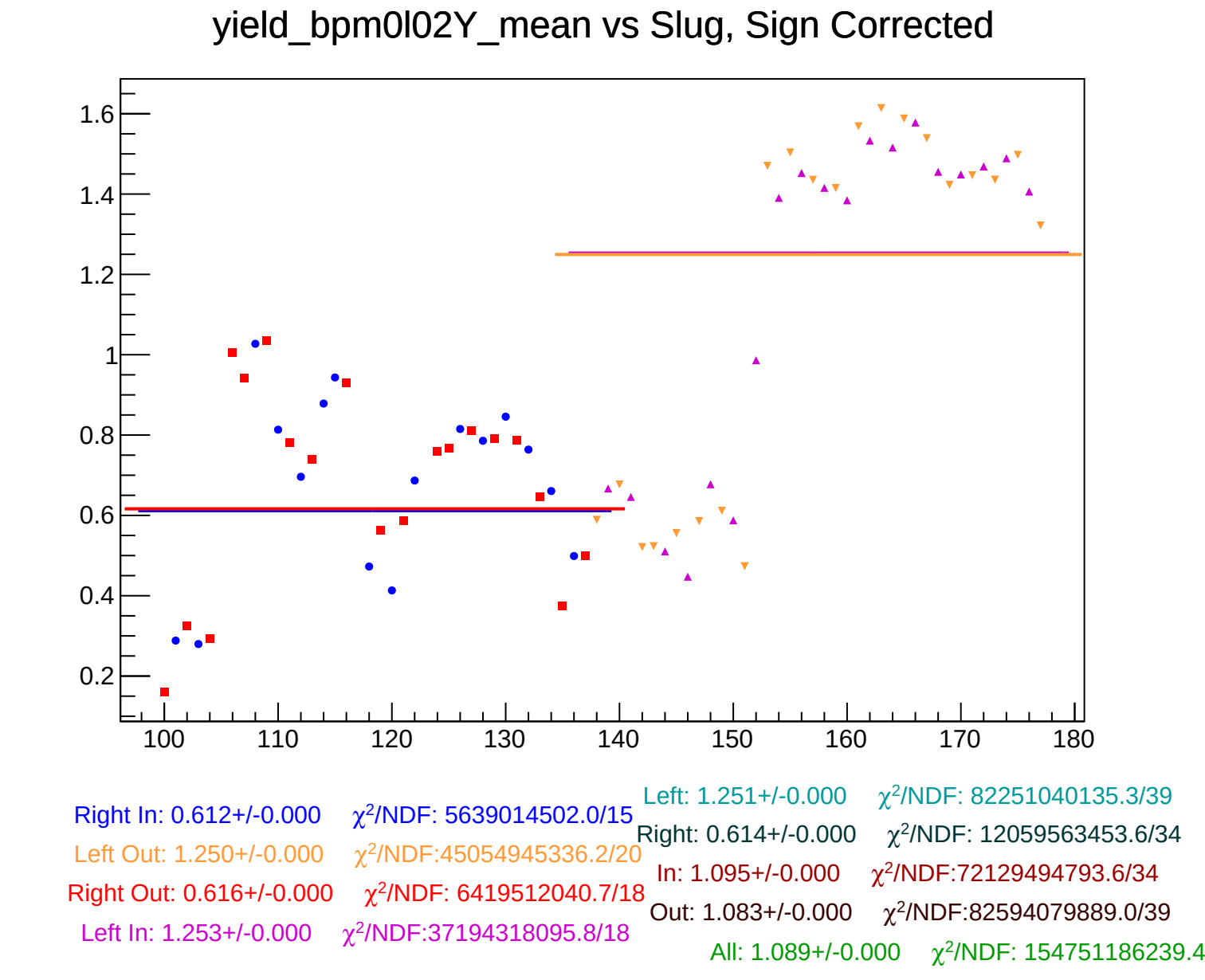
Left: 0.017+/-0.000 χ^2/NDF: 525134.0/39

Right: 0.014+/-0.000 χ^2/NDF: 791602.0/34

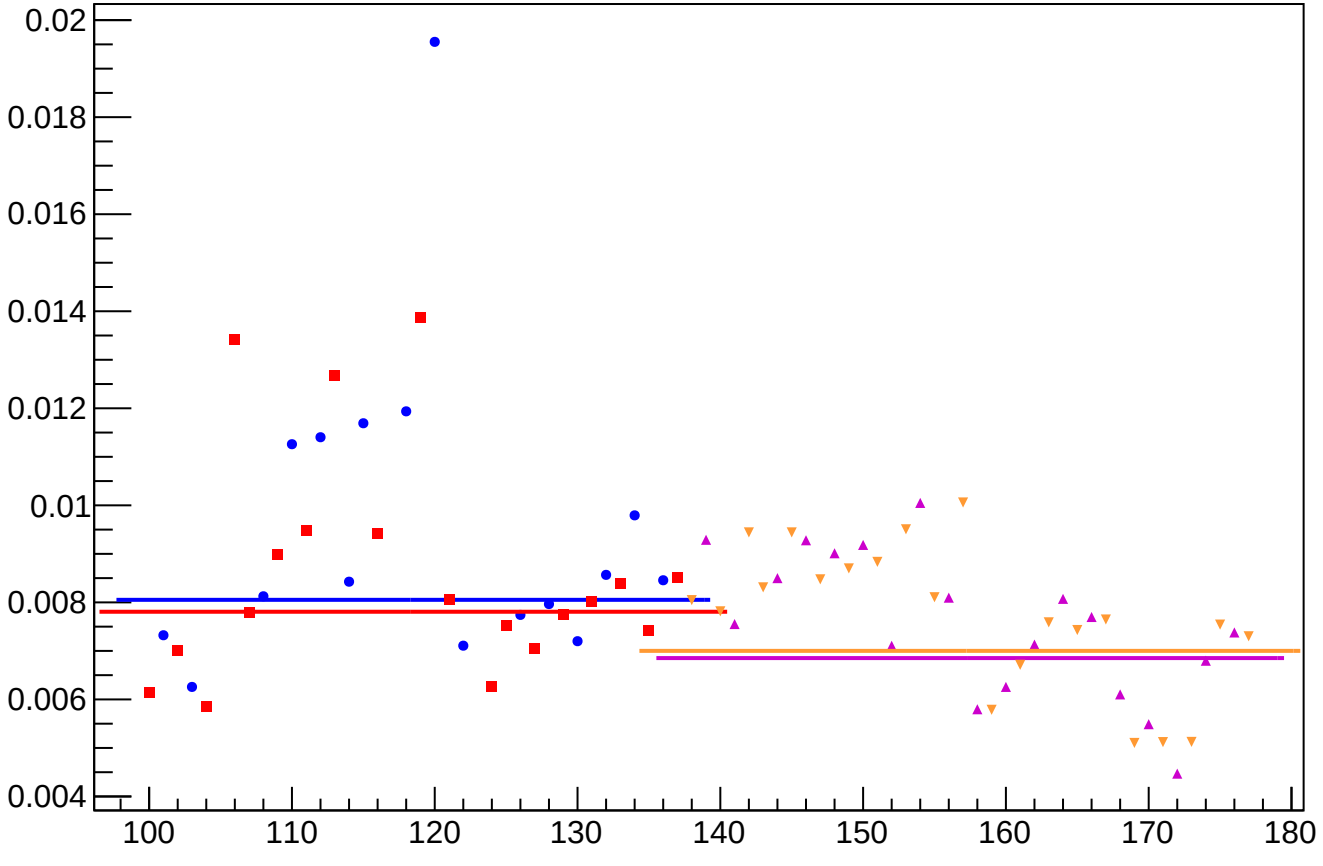
In: 0.016+/-0.000 χ^2/NDF:1179866.6/34

Out: 0.016+/-0.000 χ^2/NDF:1110715.2/39

All: 0.016+/-0.000 χ^2/NDF: 2300307.3/74


yield_bpm0l02Y_mean vs Slug, Sign Corrected
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
100
110
120
130
140
150
160
170
180
Right In: 0.612+/-0.000 χ²/NDF: 5639014502.0/15
Left Out: 1.250+/-0.000 χ²/NDF:45054945336.2/20
Right Out: 0.616+/-0.000 χ²/NDF: 6419512040.7/18
Left In: 1.253+/-0.000 χ²/NDF:37194318095.8/18
Left: 1.251+/-0.000 χ²/NDF: 82251040135.3/39
Right: 0.614+/-0.000 χ²/NDF: 12059563453.6/34
In: 1.095+/-0.000 χ²/NDF:72129494793.6/34
Out: 1.083+/-0.000 χ²/NDF:82594079889.0/39
All: 1.089+/-0.000 χ²/NDF: 154751186239.4

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:1400515.0/20

Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.007+/-0.000 χ^2/NDF:1369865.3/18

Left: 0.007+/-0.000 χ^2/NDF: 2776850.5/39

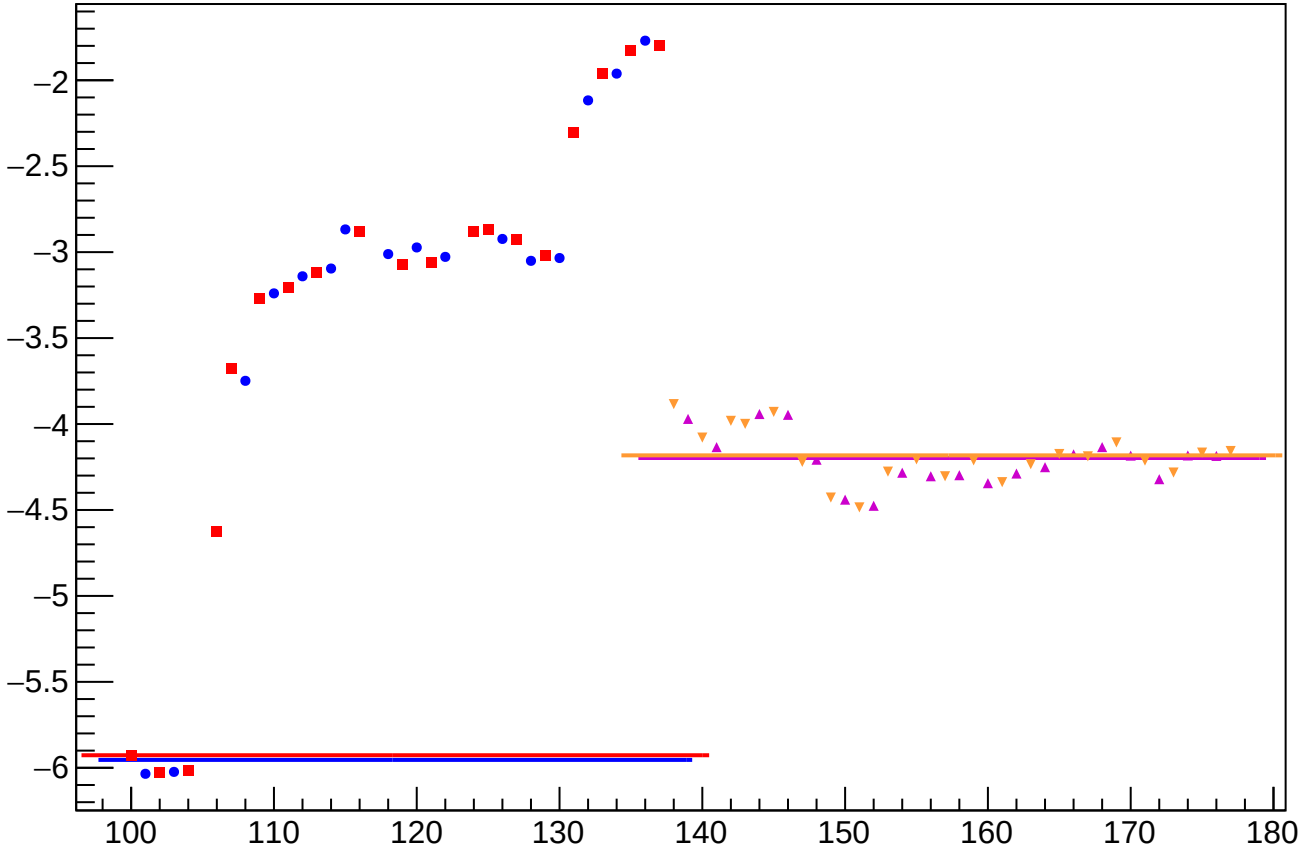
Right: 0.008+/-0.000 χ^2/NDF: 1191469.8/34

In: 0.007+/-0.000 χ^2/NDF:2173492.4/34

Out: 0.007+/-0.000 χ^2/NDF:2088551.4/39

All: 0.007+/-0.000 χ^2/NDF: 4263694.5/74

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -4.182+/-0.000 χ^2/NDF:53918033.3/20

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

Left In: -4.198+/-0.000 χ^2/NDF:41525311.7/18

Left: -4.190+/-0.000 χ^2/NDF: 95678739.4/39

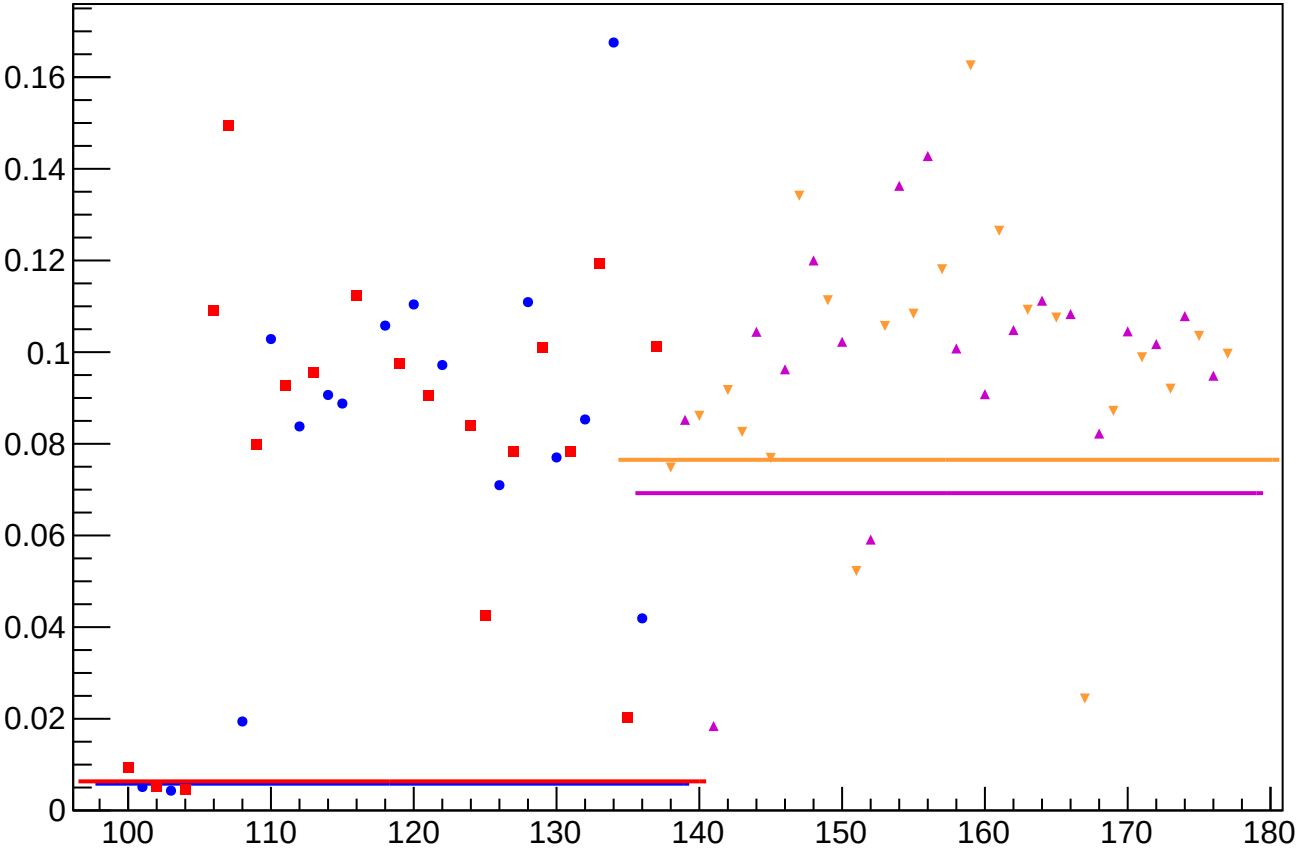
Right: -5.942+/-0.000 χ^2/NDF: 27039435928.9/34

In: -5.889+/-0.000 χ^2/NDF:19014495096.4/34

Out: -5.848+/-0.000 χ^2/NDF:19804023532.4/39

All: -5.871+/-0.000 χ^2/NDF: 38859784706.4/

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:4597254.0/20

Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

Left In: 0.069+/-0.000 χ^2/NDF:6371223.3/18

Left: 0.073+/-0.000 χ^2/NDF: 11073855.6/39

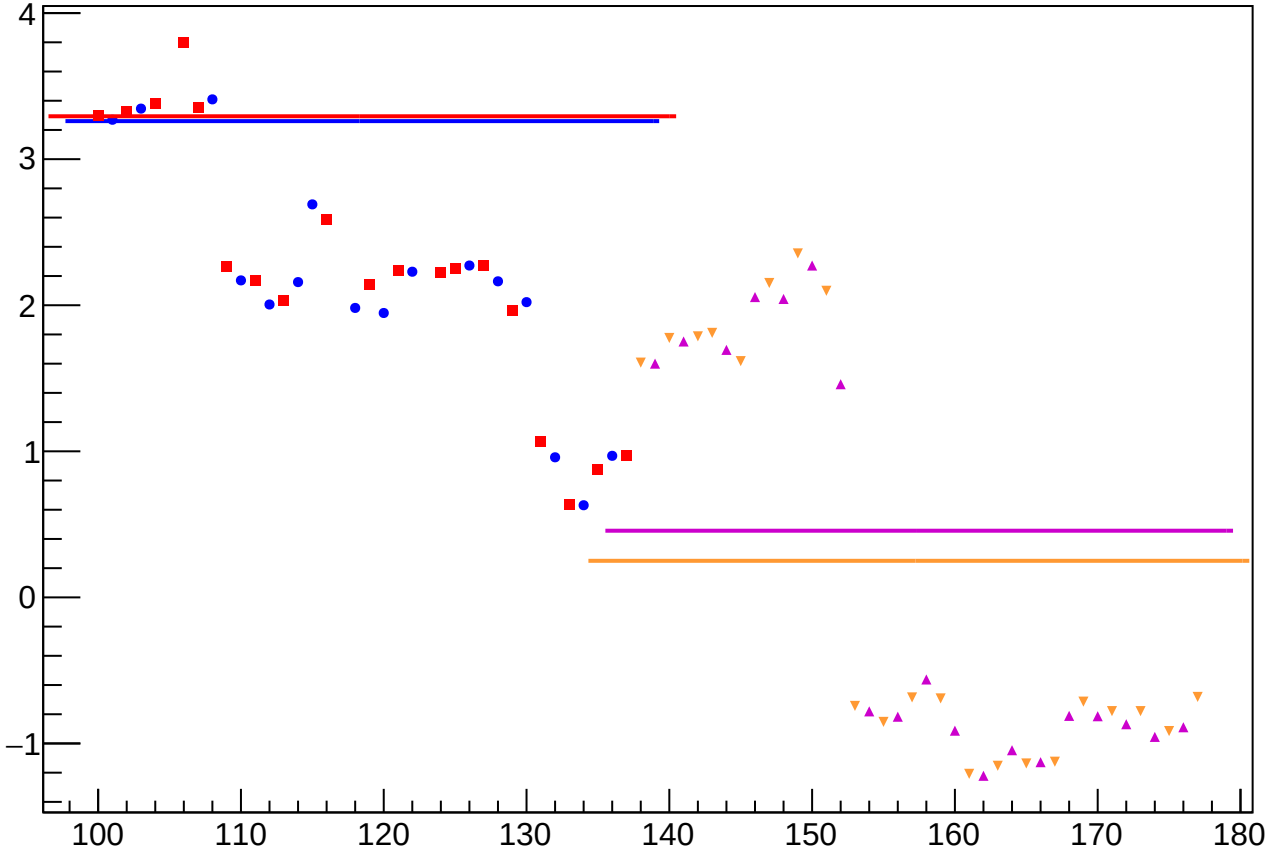
Right: 0.006+/-0.000 χ^2/NDF: 17464019.8/34

In: 0.008+/-0.000 χ^2/NDF:30372384.8/34

Out: 0.010+/-0.000 χ^2/NDF:32199502.6/39

All: 0.009+/-0.000 χ^2/NDF: 62658287.0/74

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 0.250+/-0.000 χ^2/NDF:3319643156.0/20

Right Out: 3.294+/-0.000 χ^2/NDF: 3243748149.8/18

Left In: 0.456+/-0.000 χ^2/NDF:2621148867.0/18

Left: 0.345+/-0.000 χ^2/NDF: 5973914193.0/39

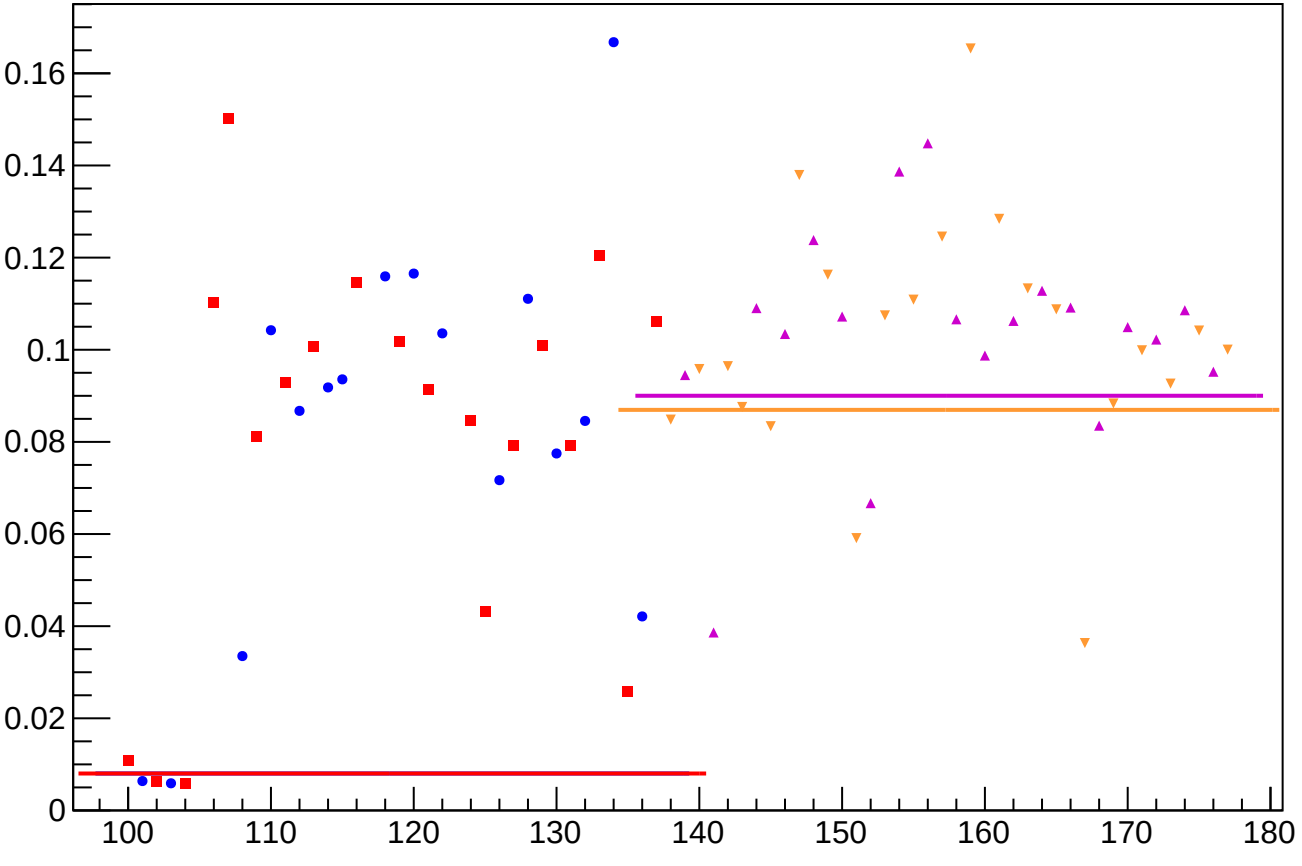
Right: 3.277+/-0.000 χ^2/NDF: 6269939296.1/34

In: 3.135+/-0.000 χ^2/NDF:16513654829.8/34

Out: 3.127+/-0.000 χ^2/NDF:21385210395.9/39

All: 3.131+/-0.000 χ^2/NDF: 37899941333.3/7

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:2867608.1/20

Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

Left In: 0.090+/-0.000 χ^2/NDF:2368862.3/18

Left: 0.088+/-0.000 χ^2/NDF: 5251125.9/39

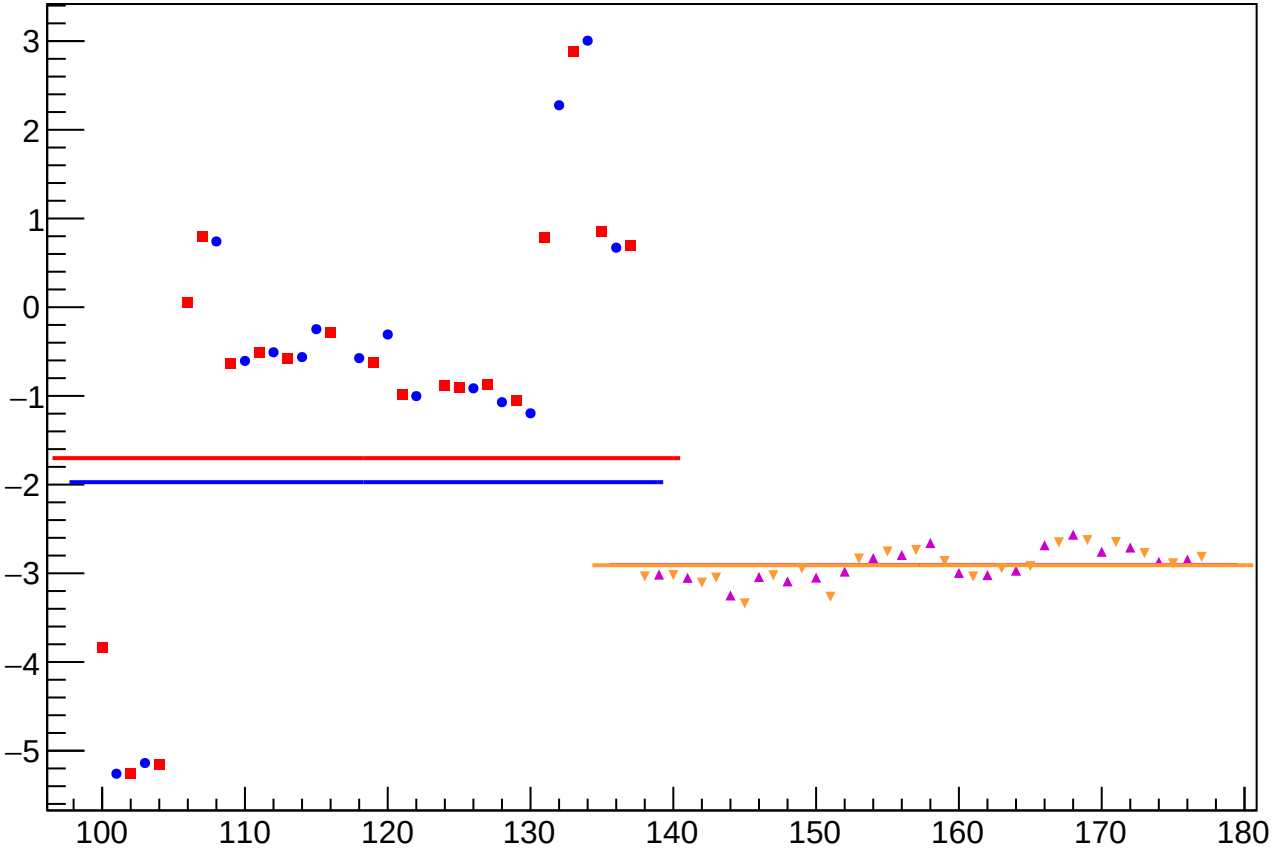
Right: 0.008+/-0.000 χ^2/NDF: 16957931.3/34

In: 0.012+/-0.000 χ^2/NDF:29393628.8/34

Out: 0.012+/-0.000 χ^2/NDF:31351336.5/39

All: 0.012+/-0.000 χ^2/NDF: 60758643.0/74

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -2.909+/-0.000 χ^2/NDF:8970541625.7/20

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

Left In: -2.906+/-0.000 χ^2/NDF:7244721740.9/18

Left: -2.907+/-0.000 χ^2/NDF: 16216608552.2/39

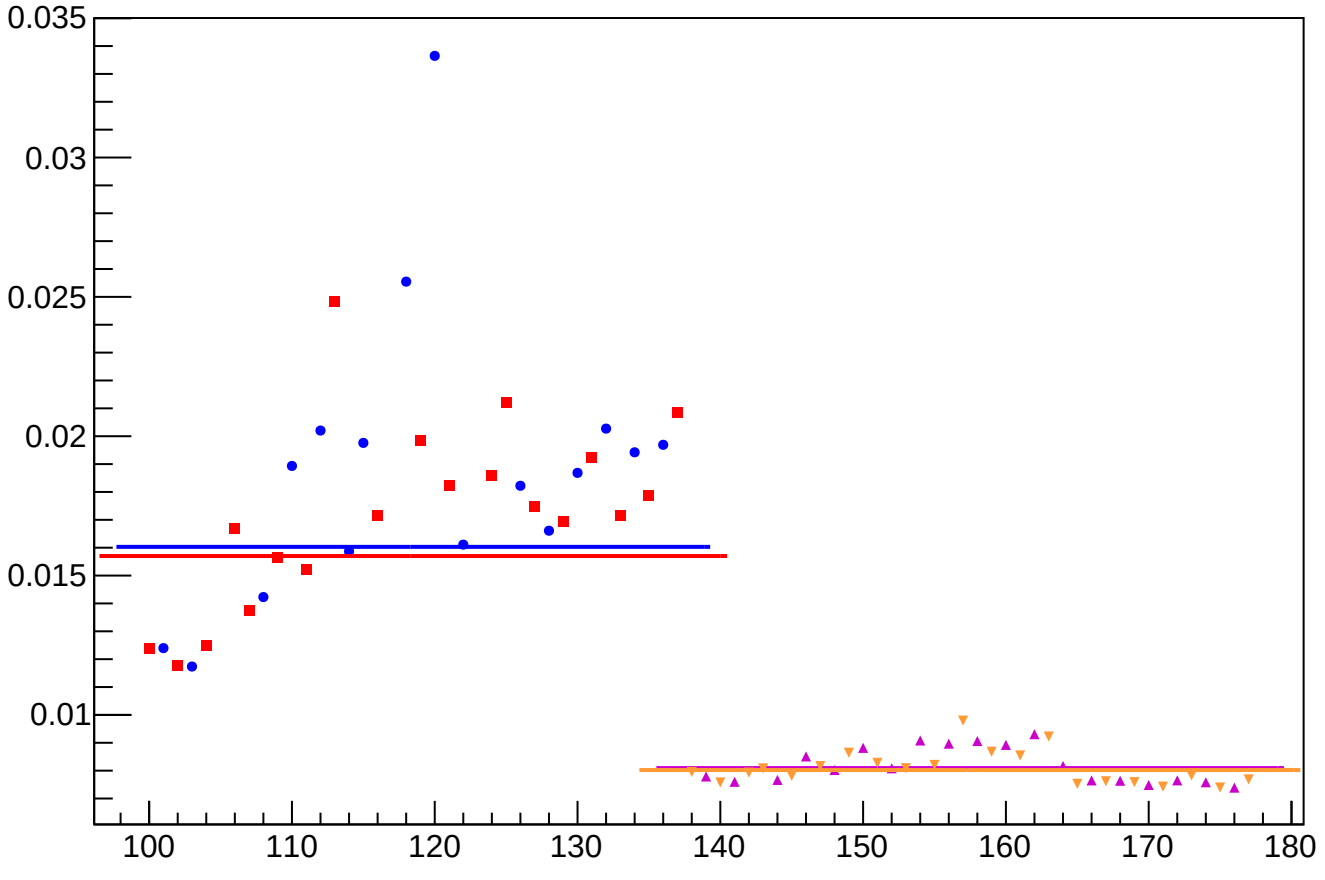
Right: -1.828+/-0.000 χ^2/NDF: 331019535290.3/34

In: -2.820+/-0.000 χ^2/NDF:187137641786.3/34

Out: -2.794+/-0.000 χ^2/NDF:211211499326.7/39

All: -2.807+/-0.000 χ^2/NDF: 398437189792.8

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:149803.7/20

Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:167369.1/18

Left: 0.008+/-0.000 χ^2/NDF: 318337.7/39

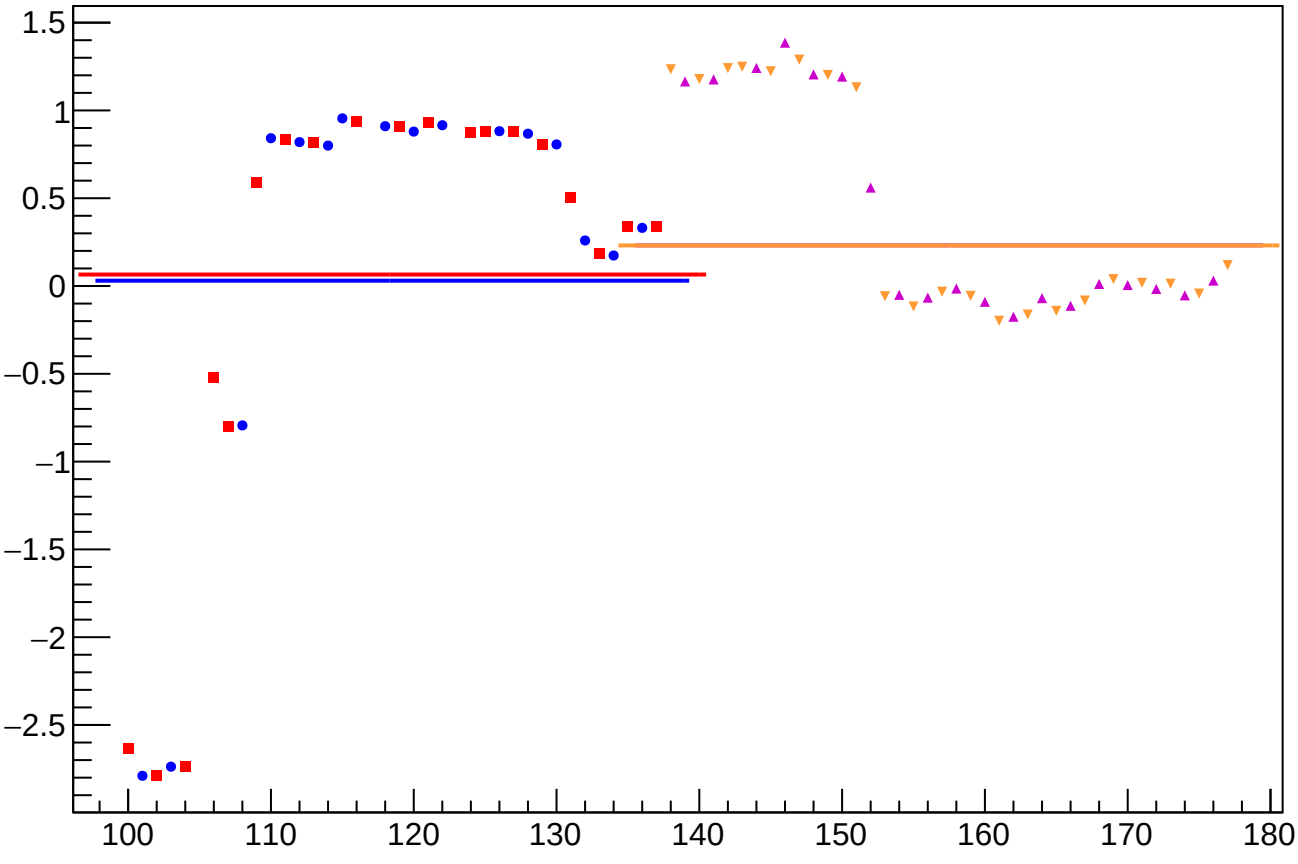
Right: 0.016+/-0.000 χ^2/NDF: 1243118.0/34

In: 0.009+/-0.000 χ^2/NDF:3497078.7/34

Out: 0.009+/-0.000 χ^2/NDF:3411733.5/39

All: 0.009+/-0.000 χ^2/NDF: 6909948.9/74

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 0.231+/-0.000 χ^2/NDF:101766272594.6/20

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

Left In: 0.231+/-0.000 χ^2/NDF:85961349959.6/18

Left: 0.231+/-0.000 χ^2/NDF: 187727651663.3/39

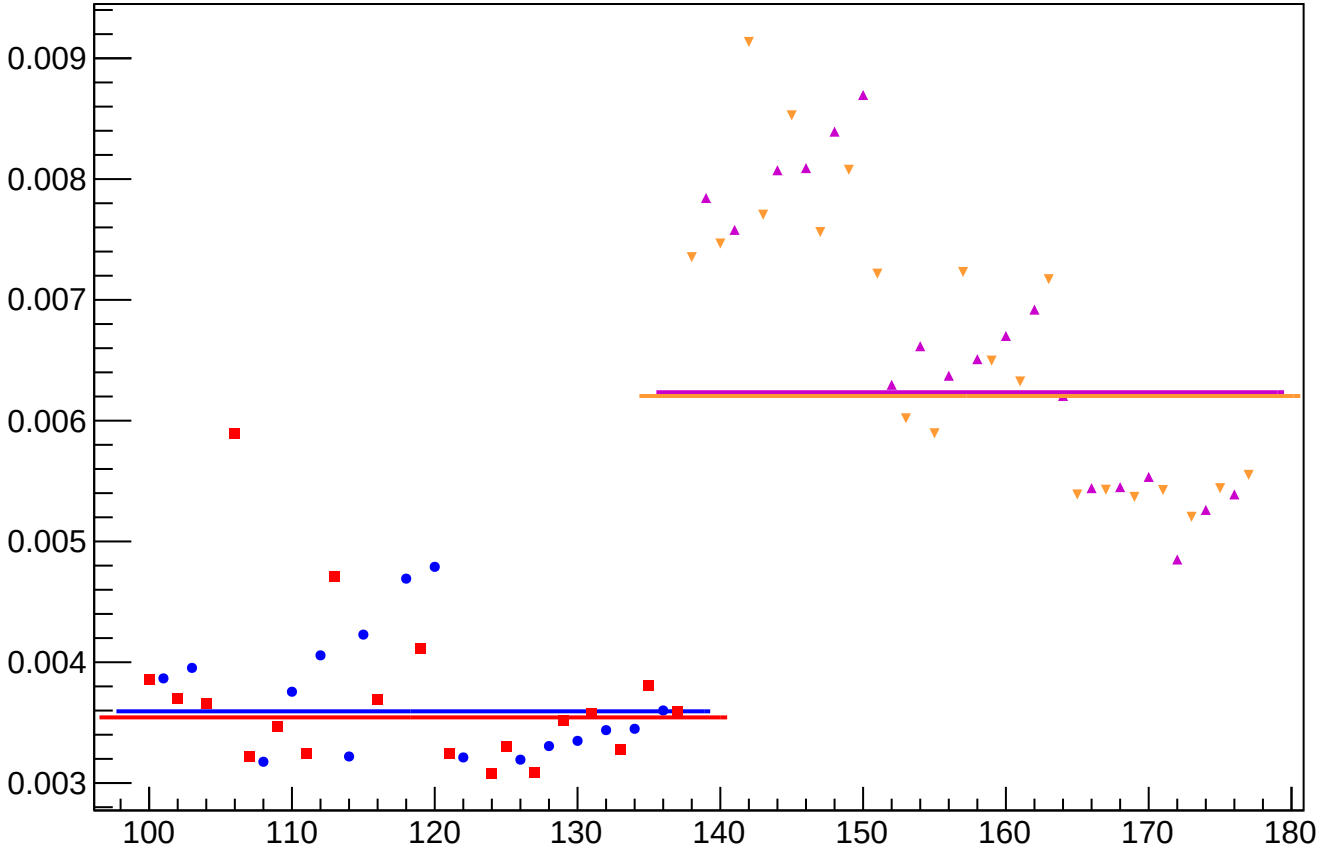
Right: 0.048+/-0.000 χ^2/NDF: 1787488269945.7/34

In: 0.110+/-0.000 χ^2/NDF:945974439800.1/34

Out: 0.131+/-0.000 χ^2/NDF:1043357175110.2/39

All: 0.121+/-0.000 χ^2/NDF: 1989537683510.

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:727102.7/20

Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.006+/-0.000 χ^2/NDF:791943.8/18

Left: 0.006+/-0.000 χ^2/NDF: 1519394.3/39

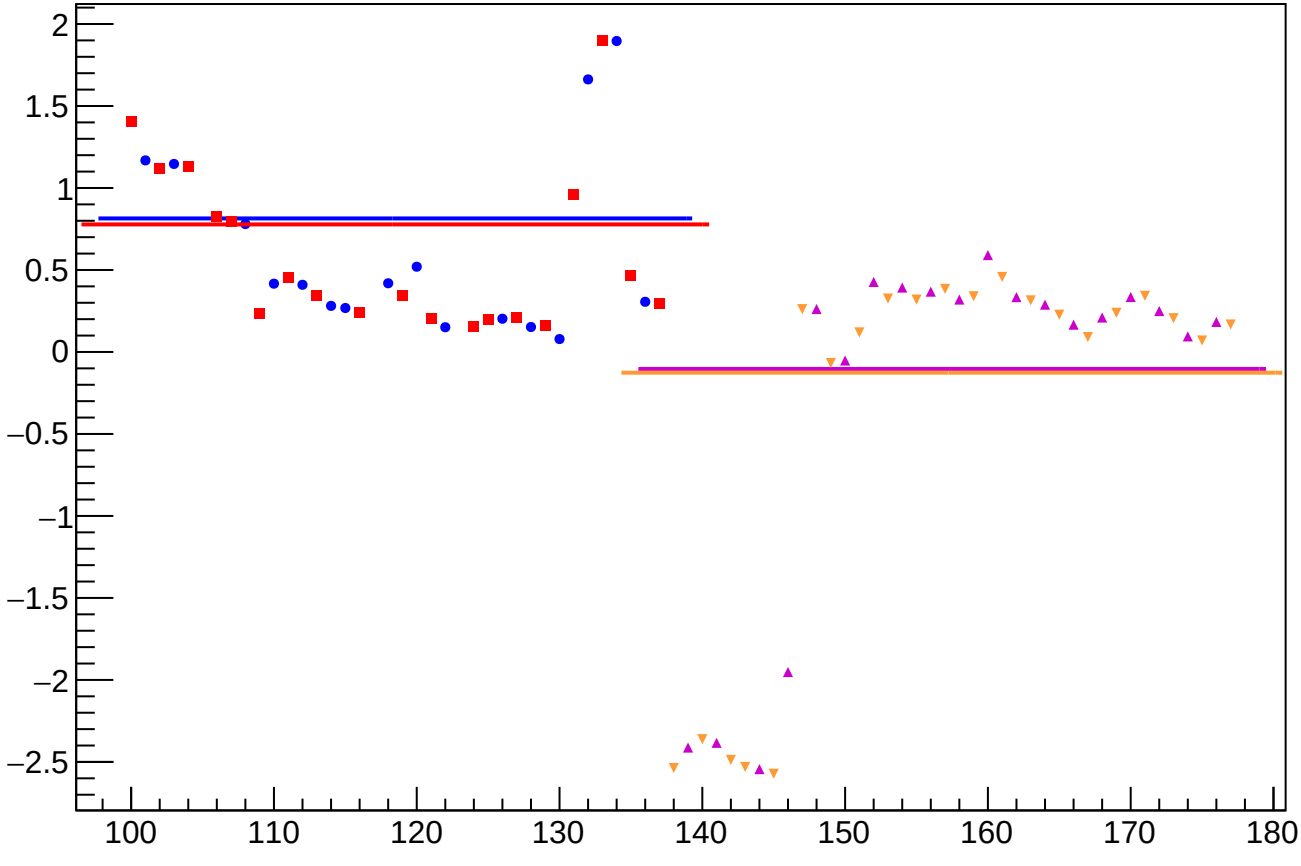
Right: 0.004+/-0.000 χ^2/NDF: 406509.3/34

In: 0.005+/-0.000 χ^2/NDF:3846645.1/34

Out: 0.005+/-0.000 χ^2/NDF:4103637.2/39

All: 0.005+/-0.000 χ^2/NDF: 7951448.4/74

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -0.126+/-0.000 χ^2/NDF:381205918213.0/20

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

Left In: -0.104+/-0.000 χ^2/NDF:341397949217.1/18

Left: -0.115+/-0.000 χ^2/NDF: 722713122490.2/39

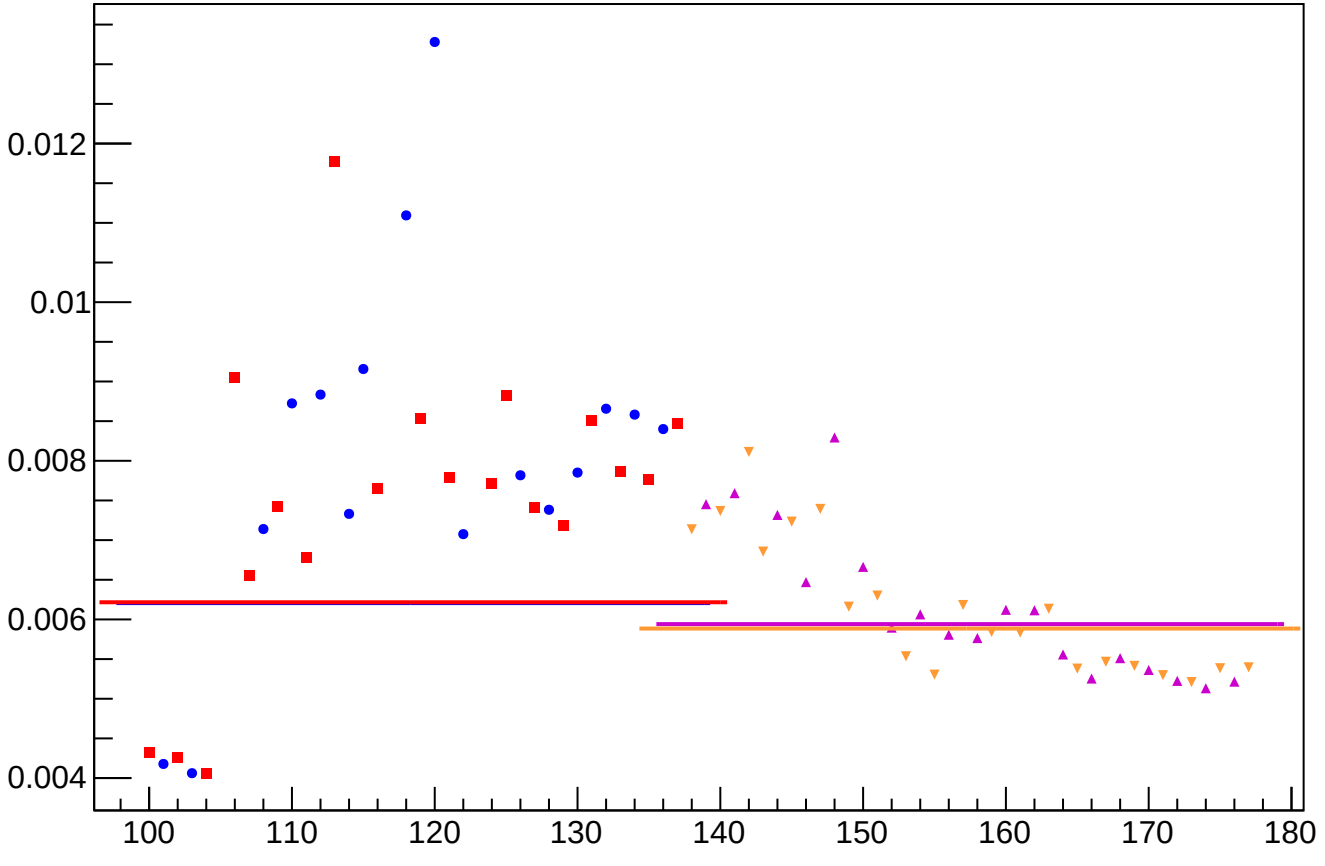
Right: 0.795+/-0.000 χ^2/NDF: 70115223181.3/34

In: 0.140+/-0.000 χ^2/NDF:466085298719.5/34

Out: 0.112+/-0.000 χ^2/NDF:509381990196.8/39

All: 0.126+/-0.000 χ^2/NDF: 975690911392.8

yield_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 1423886.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:429674.6/20

Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.006+/-0.000 χ^2/NDF:489946.8/18

Left: 0.006+/-0.000 χ^2/NDF: 920912.1/39

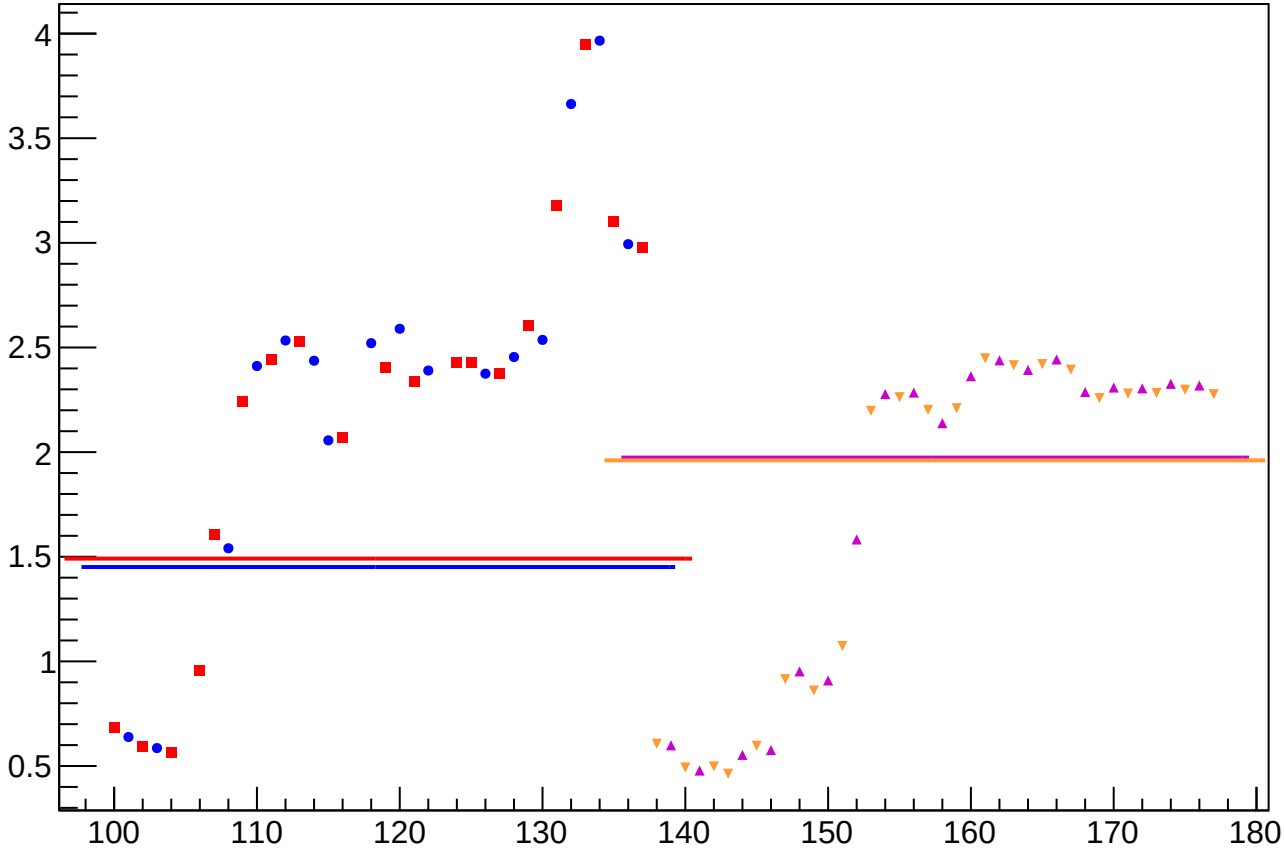
Right: 0.006+/-0.000 χ^2/NDF: 2585020.0/34

In: 0.006+/-0.000 χ^2/NDF:1928734.0/34

Out: 0.006+/-0.000 χ^2/NDF:1615900.6/39

All: 0.006+/-0.000 χ^2/NDF: 3545484.0/74

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 1.960+/-0.000 χ^2/NDF:212780399145.2/20

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

Left In: 1.974+/-0.000 χ^2/NDF:187261729386.7/18

Left: 1.967+/-0.000 χ^2/NDF: 400083566255.1/39

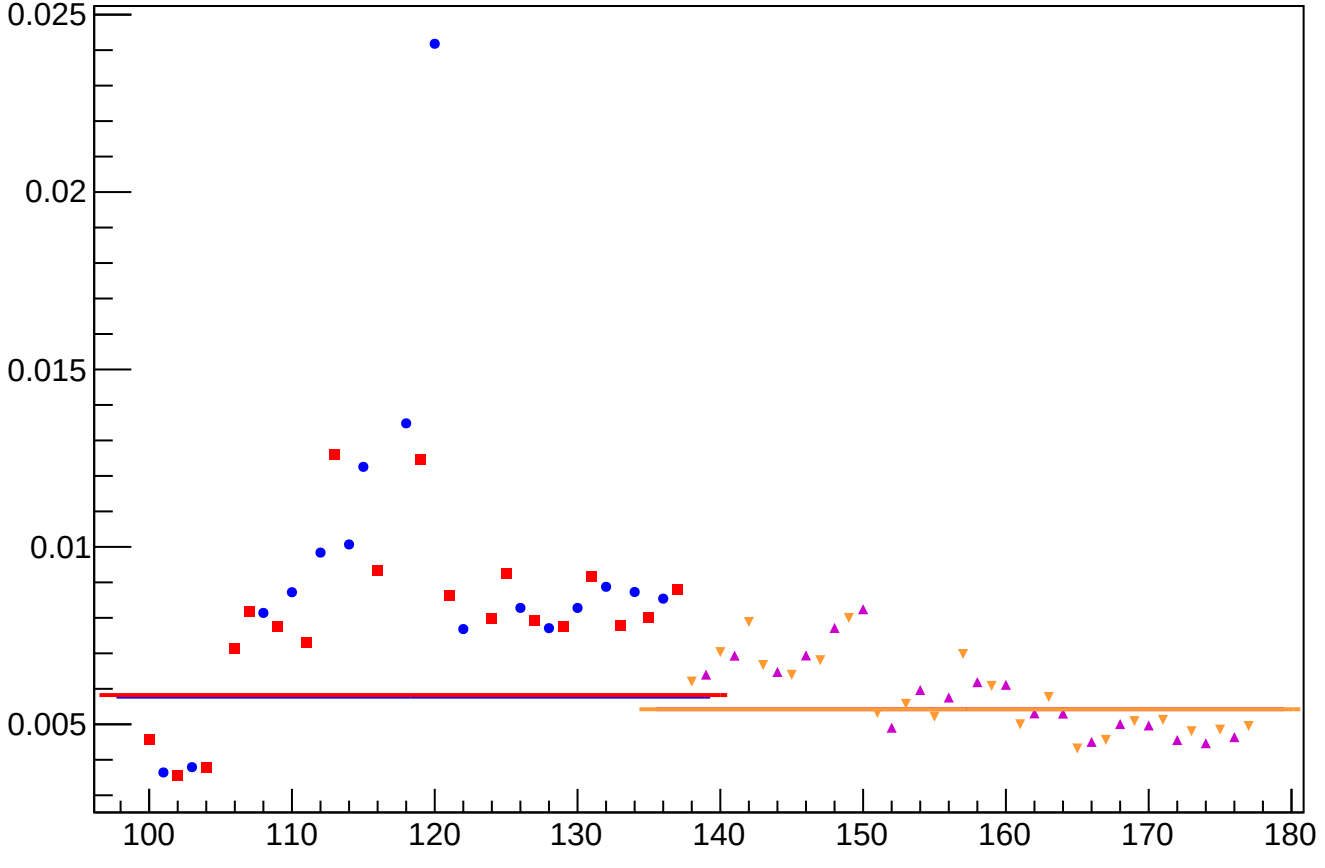
Right: 1.472+/-0.000 χ^2/NDF: 356714546192.4/34

In: 1.841+/-0.000 χ^2/NDF:387459892877.8/34

Out: 1.841+/-0.000 χ^2/NDF:426248904686.9/39

All: 1.841+/-0.000 χ^2/NDF: 813708852796.4

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:702618.9/20

Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.005+/-0.000 χ^2/NDF:781093.2/18

Left: 0.005+/-0.000 χ^2/NDF: 1483716.7/39

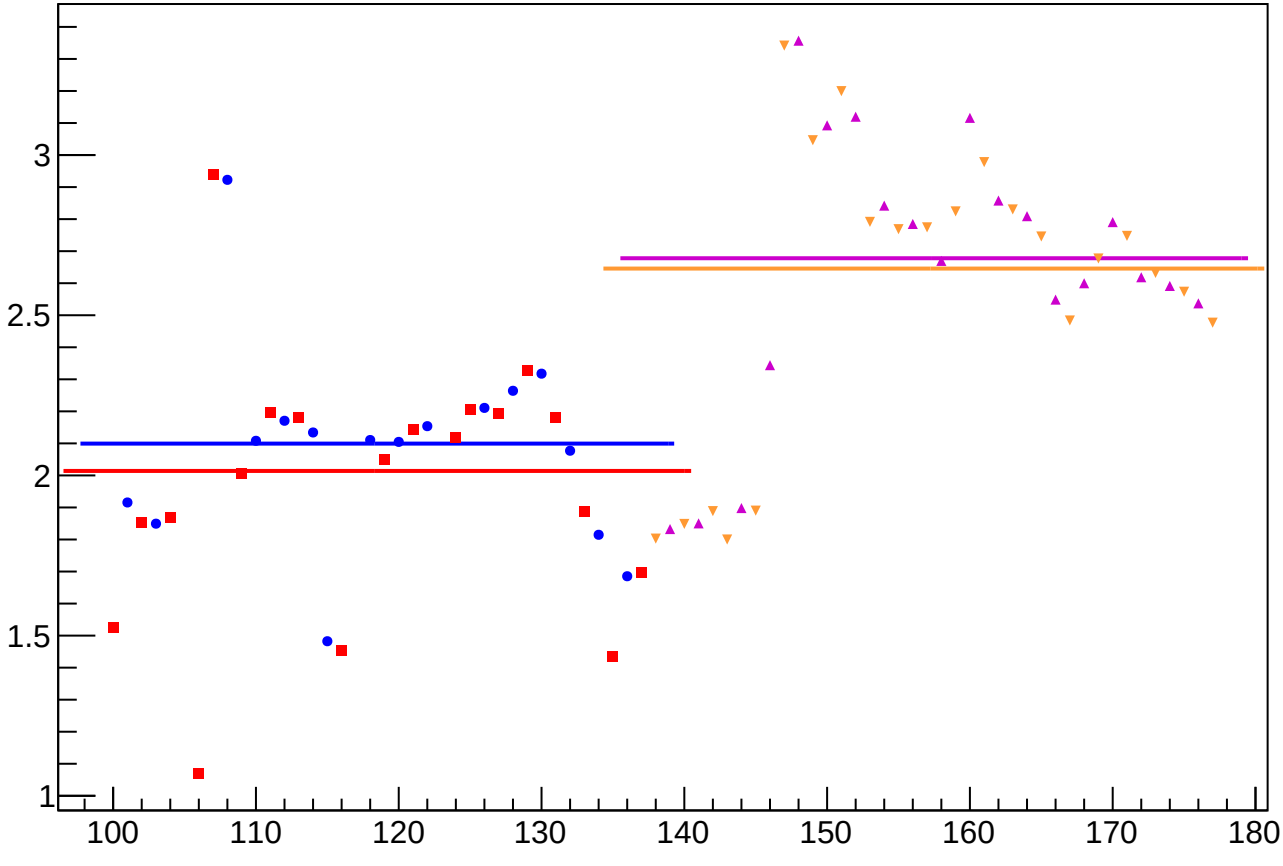
Right: 0.006+/-0.000 χ^2/NDF: 4169928.0/34

In: 0.006+/-0.000 χ^2/NDF:3022839.0/34

Out: 0.006+/-0.000 χ^2/NDF:2696823.8/39

All: 0.006+/-0.000 χ^2/NDF: 5719706.4/74

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.646+/-0.000 χ^2/NDF:44189549850.7/20

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

Left In: 2.678+/-0.000 χ^2/NDF:37331524482.1/18

Left: 2.661+/-0.000 χ^2/NDF: 81657558123.5/39

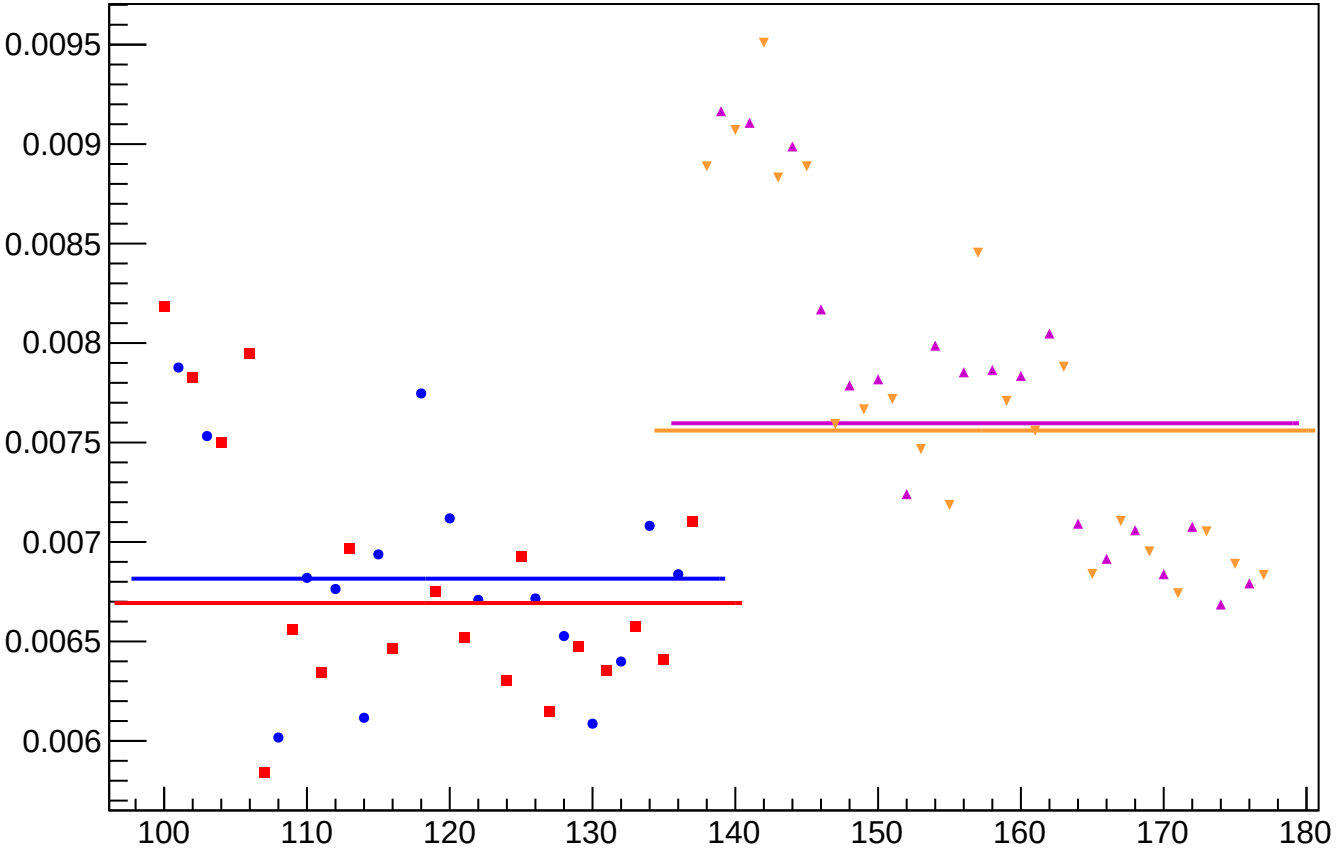
Right: 2.055+/-0.000 χ^2/NDF: 34101176841.4/34

In: 2.466+/-0.000 χ^2/NDF:82420778555.8/34

Out: 2.413+/-0.000 χ^2/NDF:103966451028.7/39

All: 2.438+/-0.000 χ^2/NDF: 186970141615.3

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:293806.7/20

Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.008+/-0.000 χ^2/NDF:264681.5/18

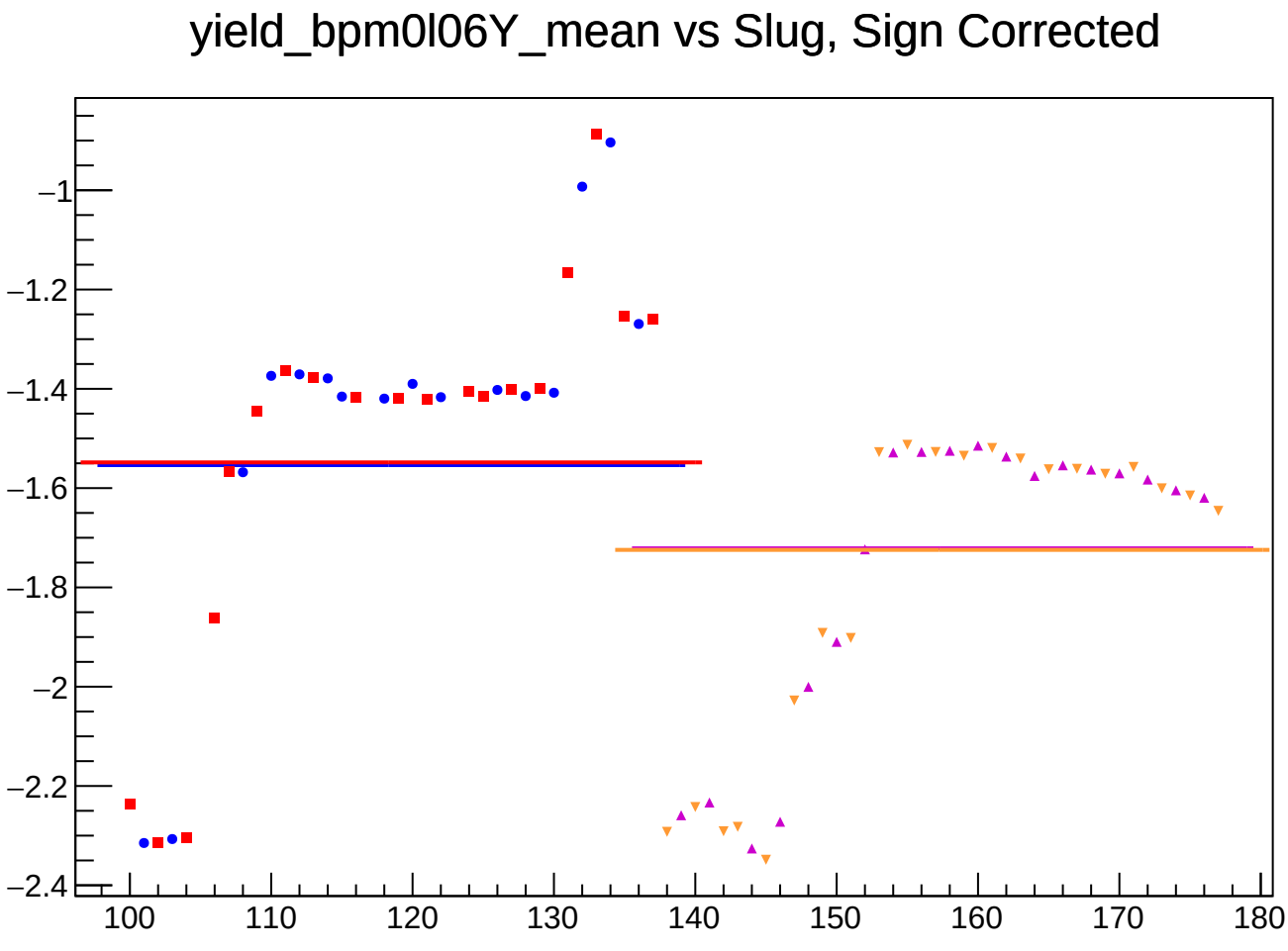
Left: 0.008+/-0.000 χ^2/NDF: 558835.2/39

Right: 0.007+/-0.000 χ^2/NDF: 176946.8/34

In: 0.007+/-0.000 χ^2/NDF:465046.7/34

Out: 0.007+/-0.000 χ^2/NDF:533031.4/39

All: 0.007+/-0.000 χ^2/NDF: 1000091.7/74



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -1.724+/-0.000 χ^2/NDF:148280043858.3/20

Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

Left In: -1.721+/-0.000 χ^2/NDF:133984376037.9/18

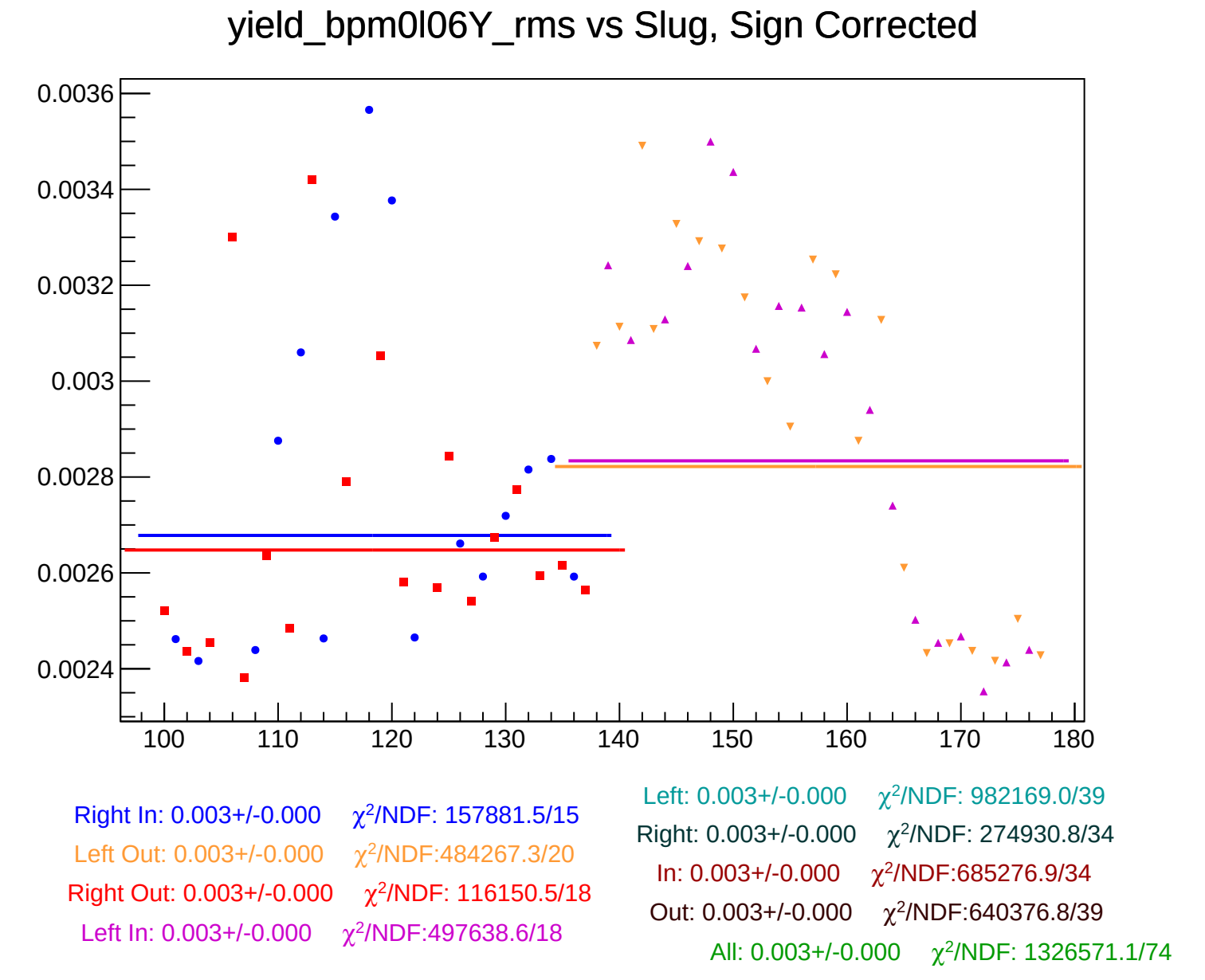
Left: -1.723+/-0.000 χ^2/NDF: 282273319463.0/39

Right: -1.551+/-0.000 χ^2/NDF: 349934542439.1/34

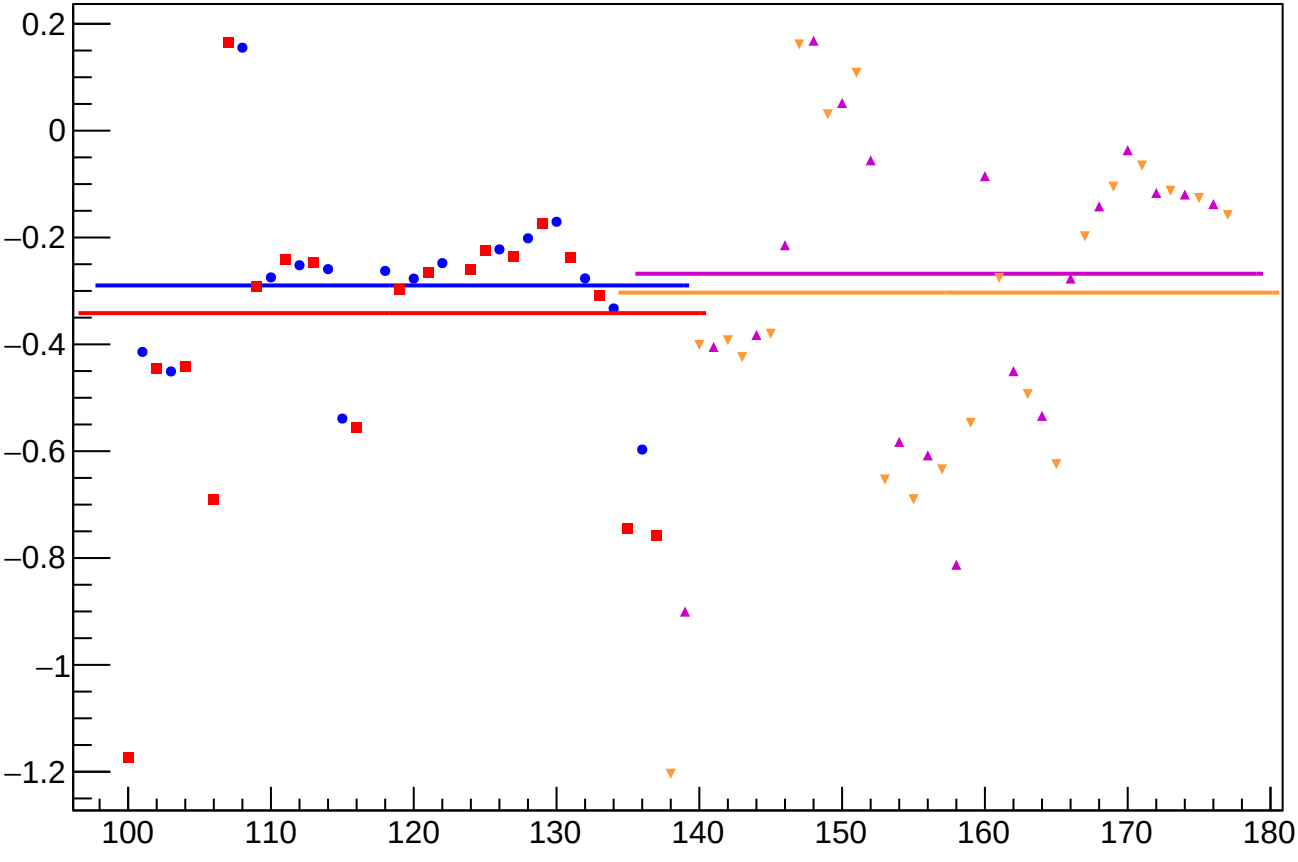
In: -1.664+/-0.000 χ^2/NDF:326445399746.2/34

Out: -1.664+/-0.000 χ^2/NDF:343477389573.6/39

All: -1.664+/-0.000 χ^2/NDF: 669923049955.0


yield_bpm0l06Y_rms vs Slug, Sign Corrected
0.0036
0.0034
0.0032
0.003
0.0028
0.0026
0.0024
100
110
120
130
140
150
160
170
180
Right In: 0.003+/-0.000 χ²/NDF: 157881.5/15
Left Out: 0.003+/-0.000 χ²/NDF:484267.3/20
Right Out: 0.003+/-0.000 χ²/NDF: 116150.5/18
Left In: 0.003+/-0.000 χ²/NDF:497638.6/18
Left: 0.003+/-0.000 χ²/NDF: 982169.0/39
Right: 0.003+/-0.000 χ²/NDF: 274930.8/34
In: 0.003+/-0.000 χ²/NDF:685276.9/34
Out: 0.003+/-0.000 χ²/NDF:640376.8/39
All: 0.003+/-0.000 χ²/NDF: 1326571.1/74

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.303+/-0.000 χ^2/NDF:9071821594.2/20

Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

Left In: -0.268+/-0.000 χ^2/NDF:7022685890.5/18

Left: -0.286+/-0.000 χ^2/NDF: 16153951663.8/39

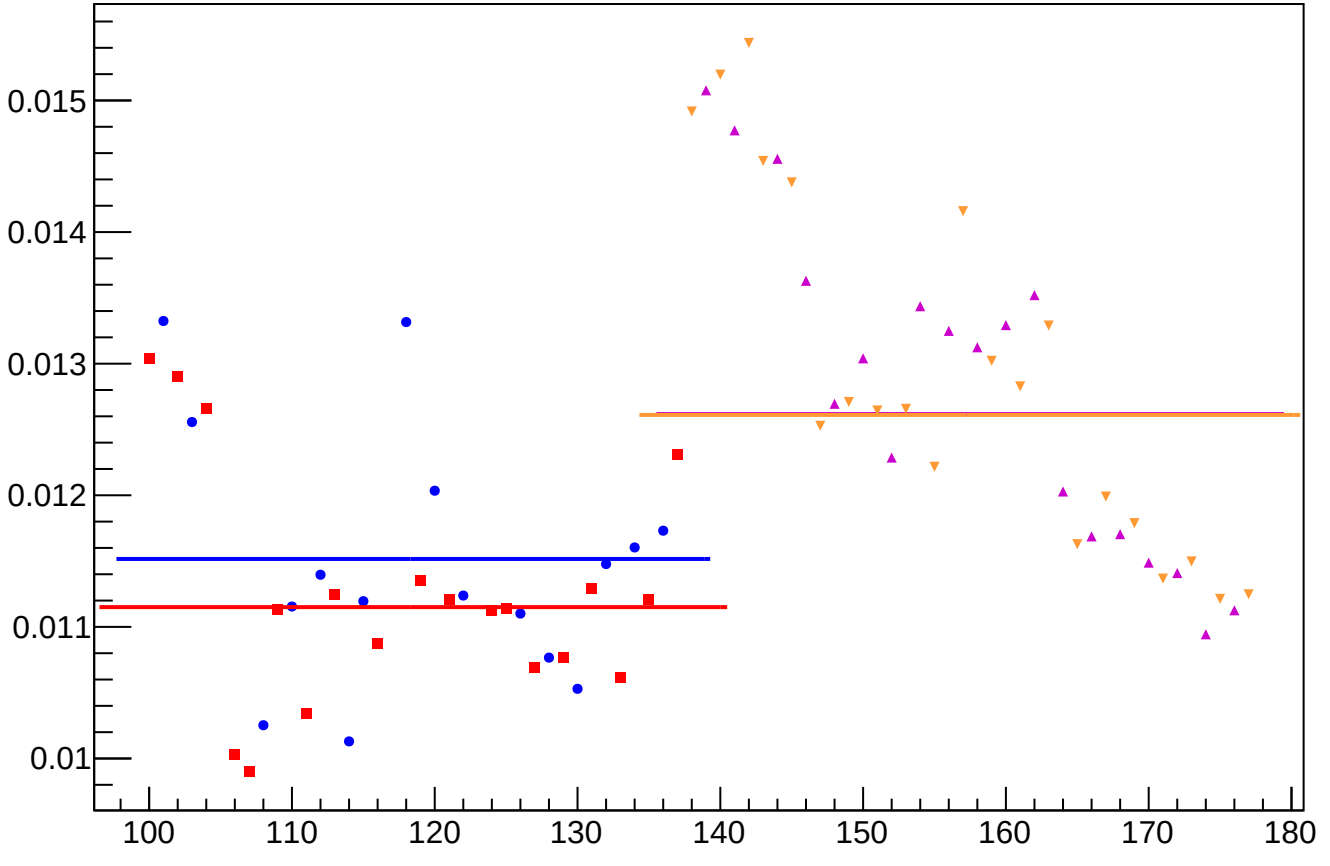
Right: -0.317+/-0.000 χ^2/NDF: 4328413510.6/34

In: -0.276+/-0.000 χ^2/NDF:8683846960.8/34

Out: -0.317+/-0.000 χ^2/NDF:11735201237.7/39

All: -0.297+/-0.000 χ^2/NDF: 20549661151.5/

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:282308.7/20

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

Left In: 0.013+/-0.000 χ^2/NDF:258150.0/18

Left: 0.013+/-0.000 χ^2/NDF: 540463.0/39

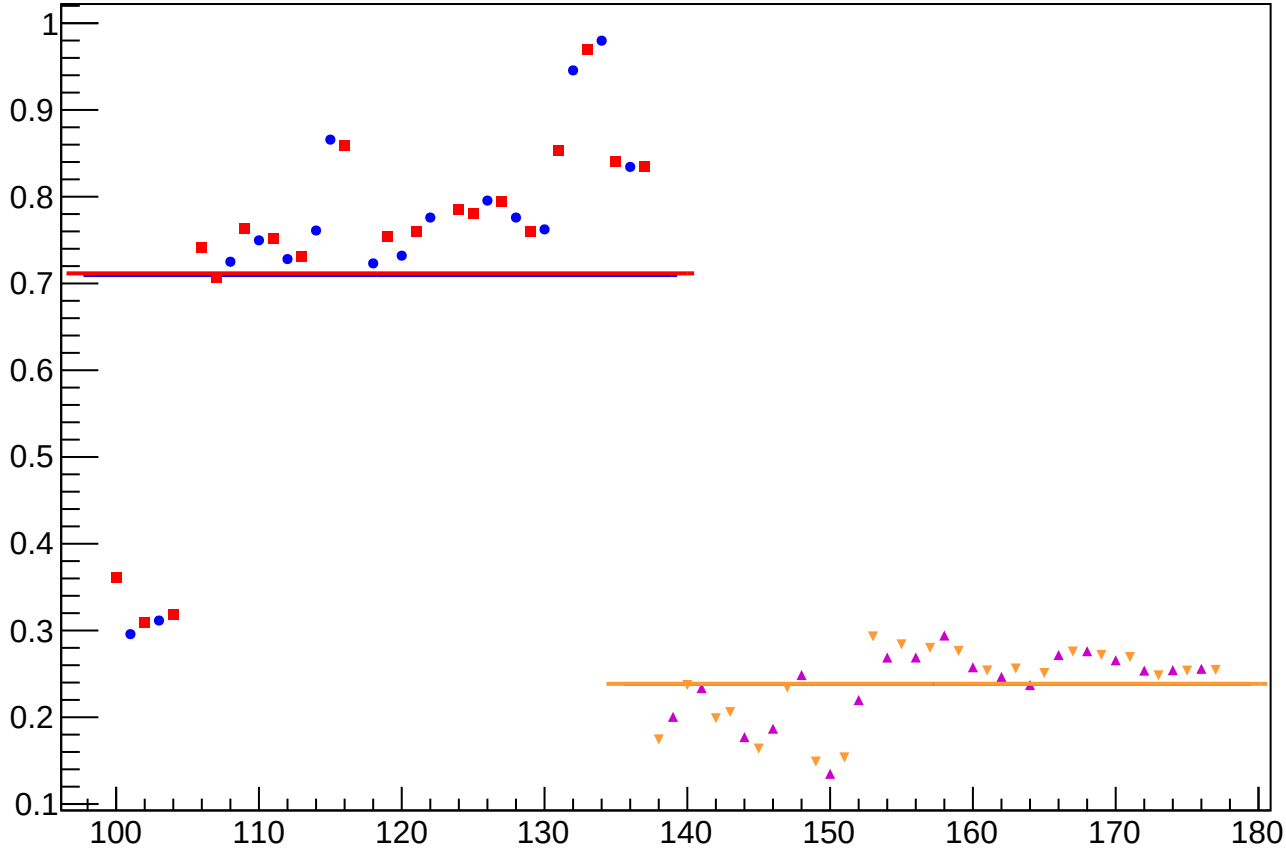
Right: 0.011+/-0.000 χ^2/NDF: 162212.6/34

In: 0.012+/-0.000 χ^2/NDF:423118.6/34

Out: 0.012+/-0.000 χ^2/NDF:509252.1/39

All: 0.012+/-0.000 χ^2/NDF: 935808.8/74

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.239+/-0.000 χ^2/NDF:6866260714.6/20

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

Left In: 0.238+/-0.000 χ^2/NDF:5408474354.6/18

Left: 0.238+/-0.000 χ^2/NDF: 12274756784.1/39

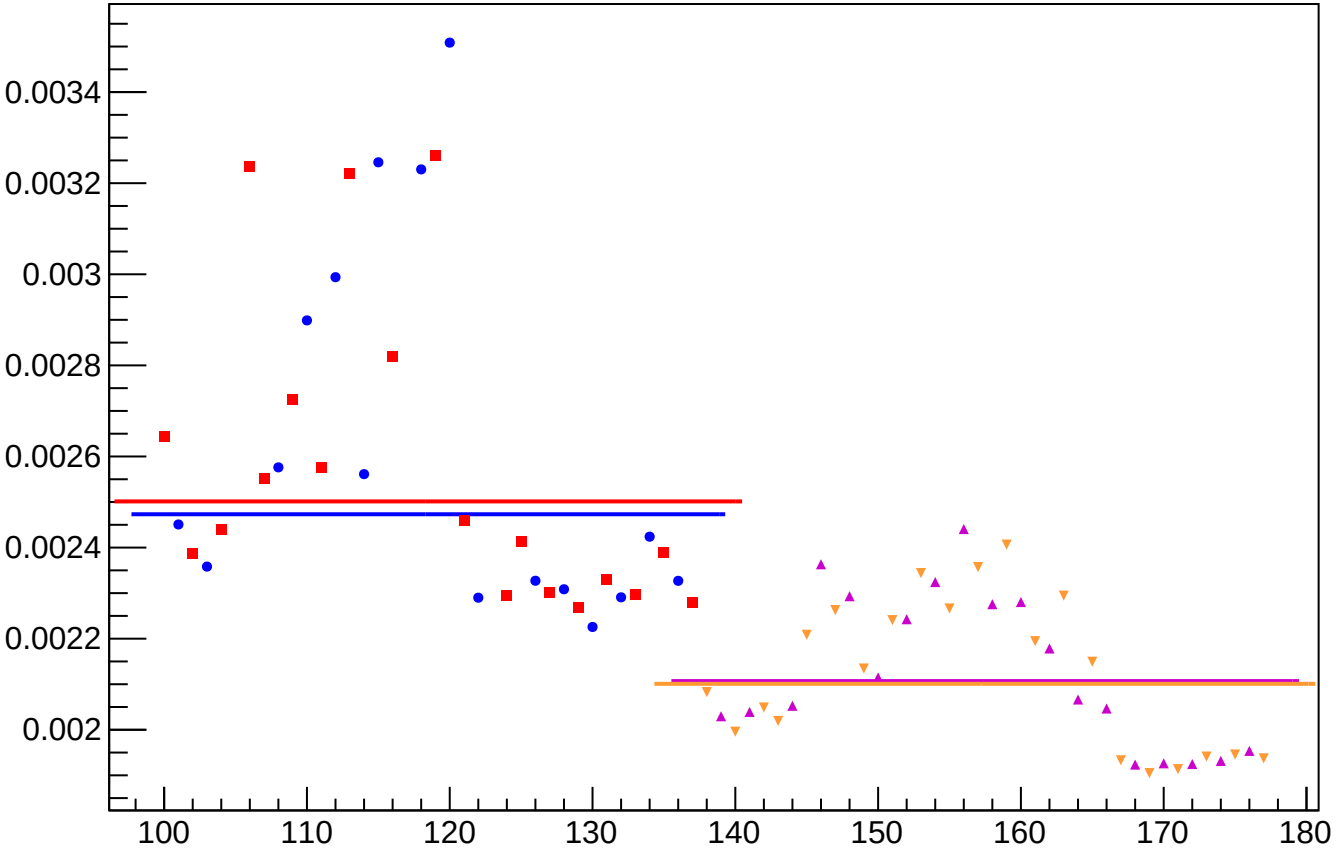
Right: 0.711+/-0.000 χ^2/NDF: 93101138571.1/34

In: 0.354+/-0.000 χ^2/NDF:241481466438.5/34

Out: 0.348+/-0.000 χ^2/NDF:244309738197.1/39

All: 0.351+/-0.000 χ^2/NDF: 485854360578.3

yield_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 208046.5/15

Left Out: 0.002+/-0.000 χ^2/NDF:192789.0/20

Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:177989.5/18

Left: 0.002+/-0.000 χ^2/NDF: 370907.9/39

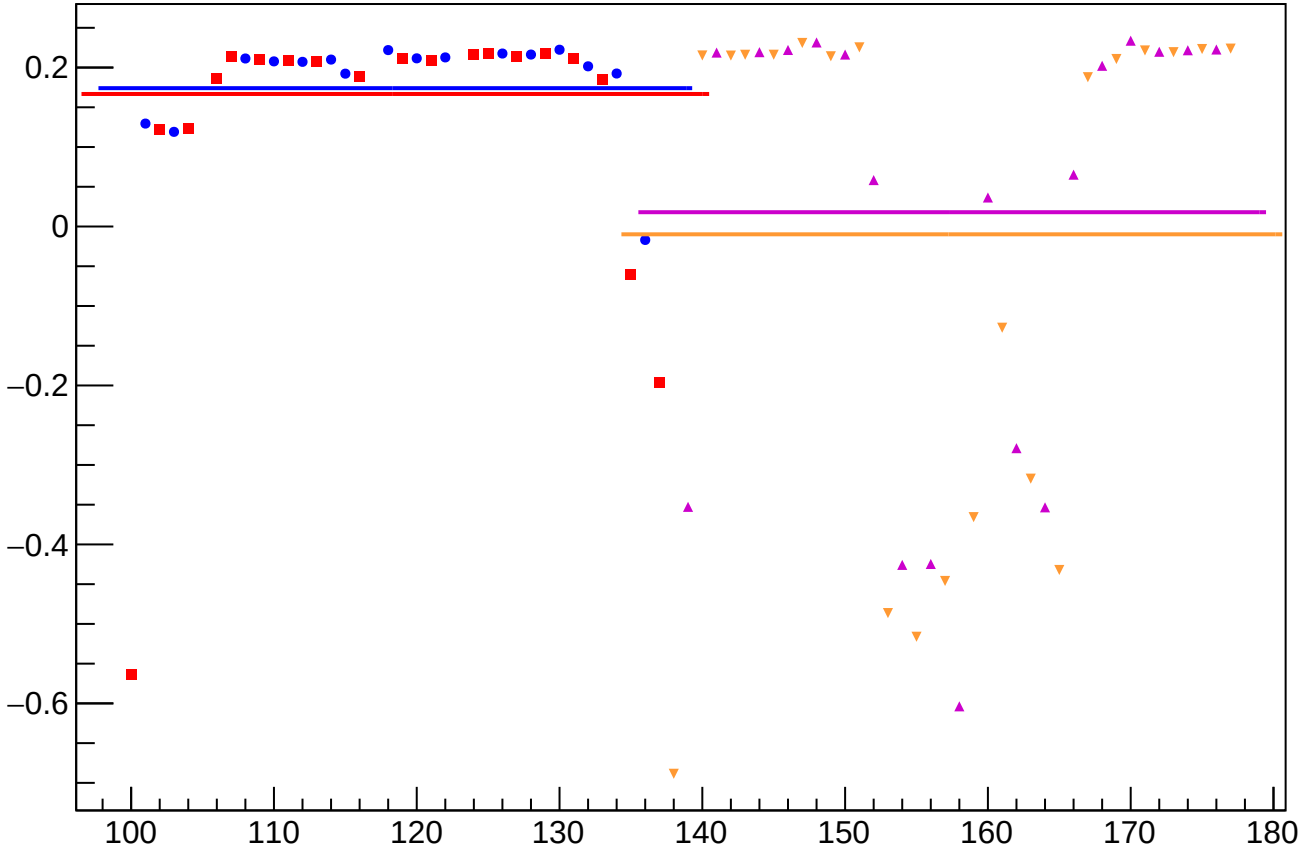
Right: 0.002+/-0.000 χ^2/NDF: 386364.7/34

In: 0.002+/-0.000 χ^2/NDF:612073.4/34

Out: 0.002+/-0.000 χ^2/NDF:647153.6/39

All: 0.002+/-0.000 χ^2/NDF: 1259256.7/74

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: -0.010+/-0.000 χ^2/NDF:11959541293.9/20

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

Left In: 0.018+/-0.000 χ^2/NDF:8873596095.9/18

Left: 0.004+/-0.000 χ^2/NDF: 20878099401.2/39

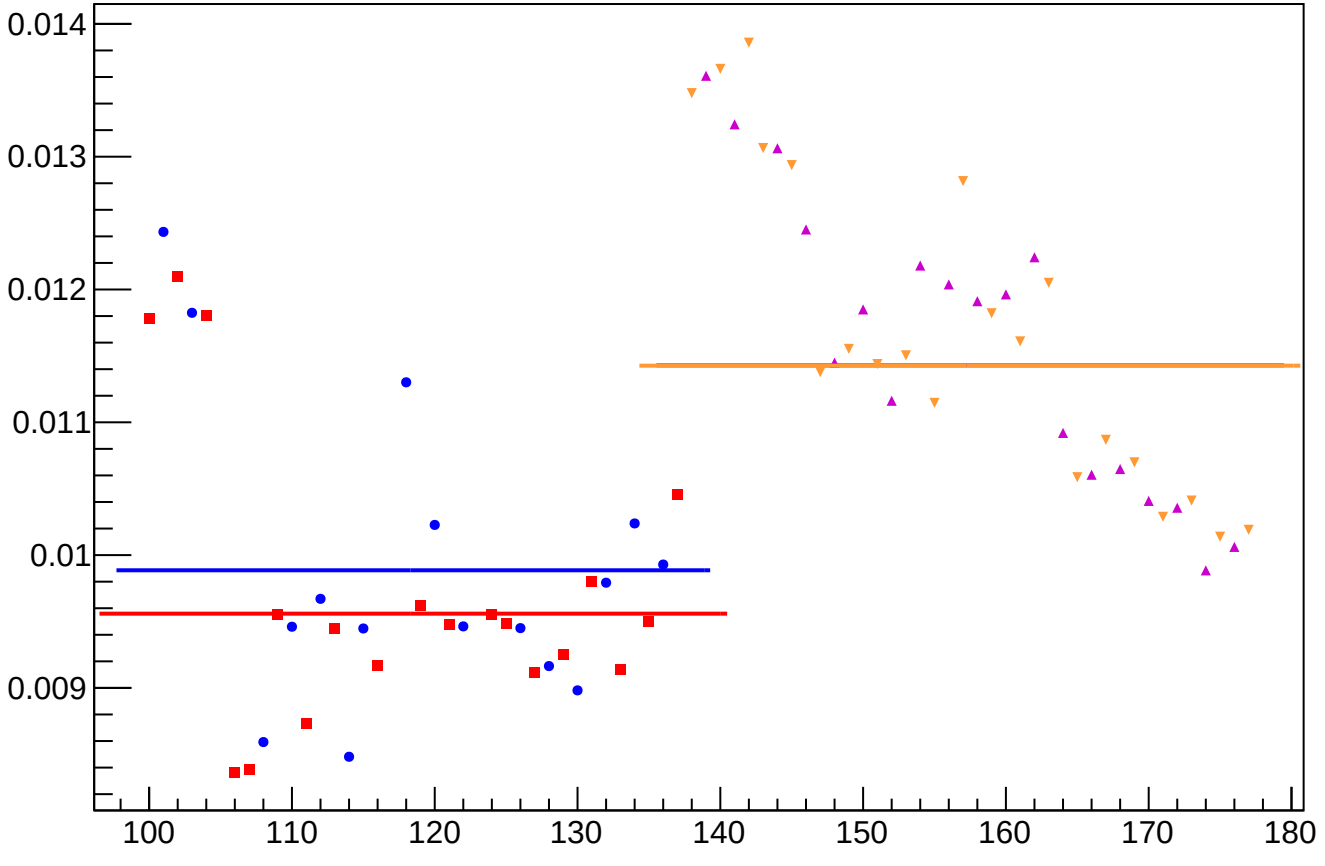
Right: 0.170+/-0.000 χ^2/NDF: 1298066263.7/34

In: 0.078+/-0.000 χ^2/NDF:10327651748.7/34

Out: 0.060+/-0.000 χ^2/NDF:14338709785.9/39

All: 0.069+/-0.000 χ^2/NDF: 24697225145.6/7

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:270861.5/20

Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.011+/-0.000 χ^2/NDF:251147.6/18

Left: 0.011+/-0.000 χ^2/NDF: 522009.8/39

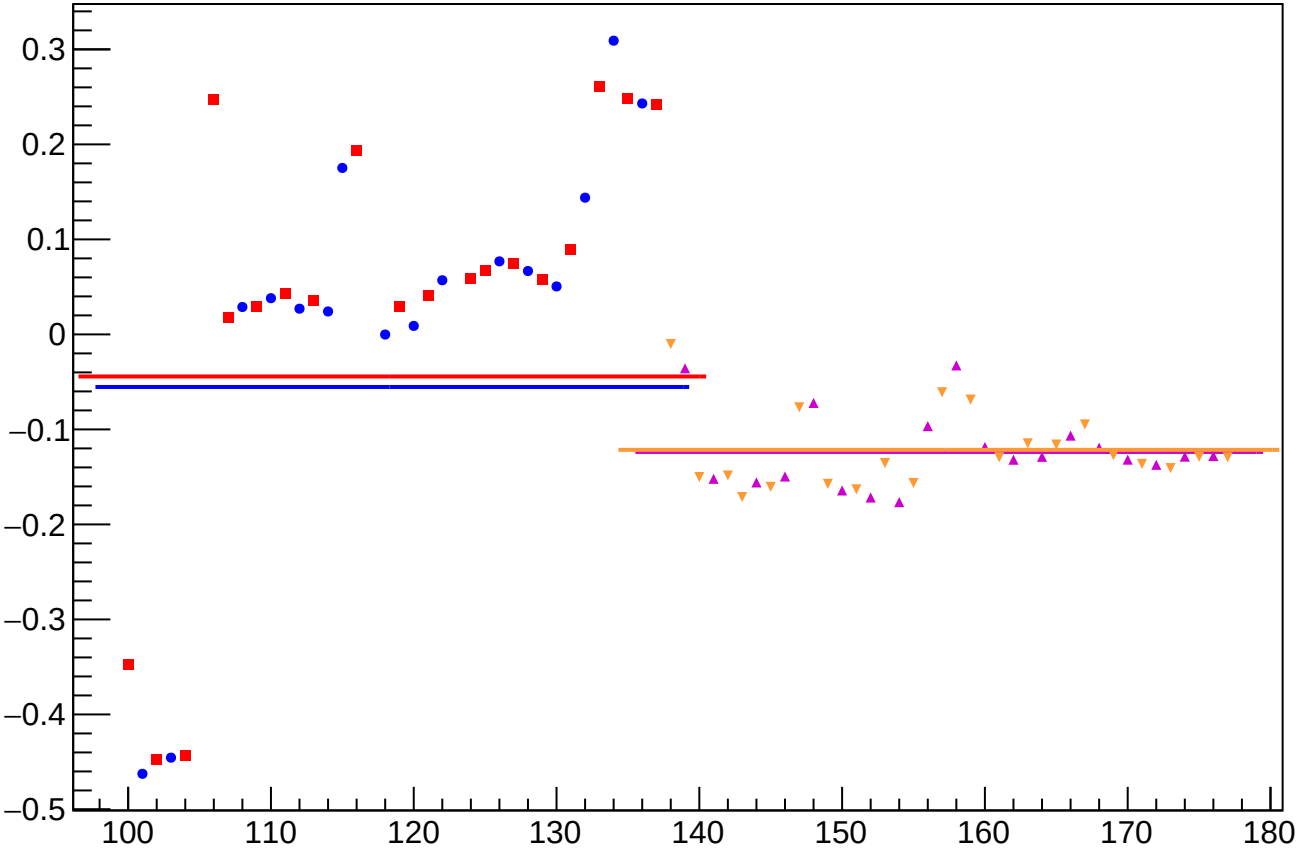
Right: 0.010+/-0.000 χ^2/NDF: 292678.0/34

In: 0.011+/-0.000 χ^2/NDF:605432.8/34

Out: 0.011+/-0.000 χ^2/NDF:739292.0/39

All: 0.011+/-0.000 χ^2/NDF: 1348868.8/74

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.000 χ^2/NDF: 24081939190.6/15

Left Out: -0.121+/-0.000 χ^2/NDF:2916631766.0/20

Right Out: -0.044+/-0.000 χ^2/NDF: 22136167141.7/18

Left In: -0.124+/-0.000 χ^2/NDF:2803903524.2/18

Left: -0.123+/-0.000 χ^2/NDF: 5725451961.3/39

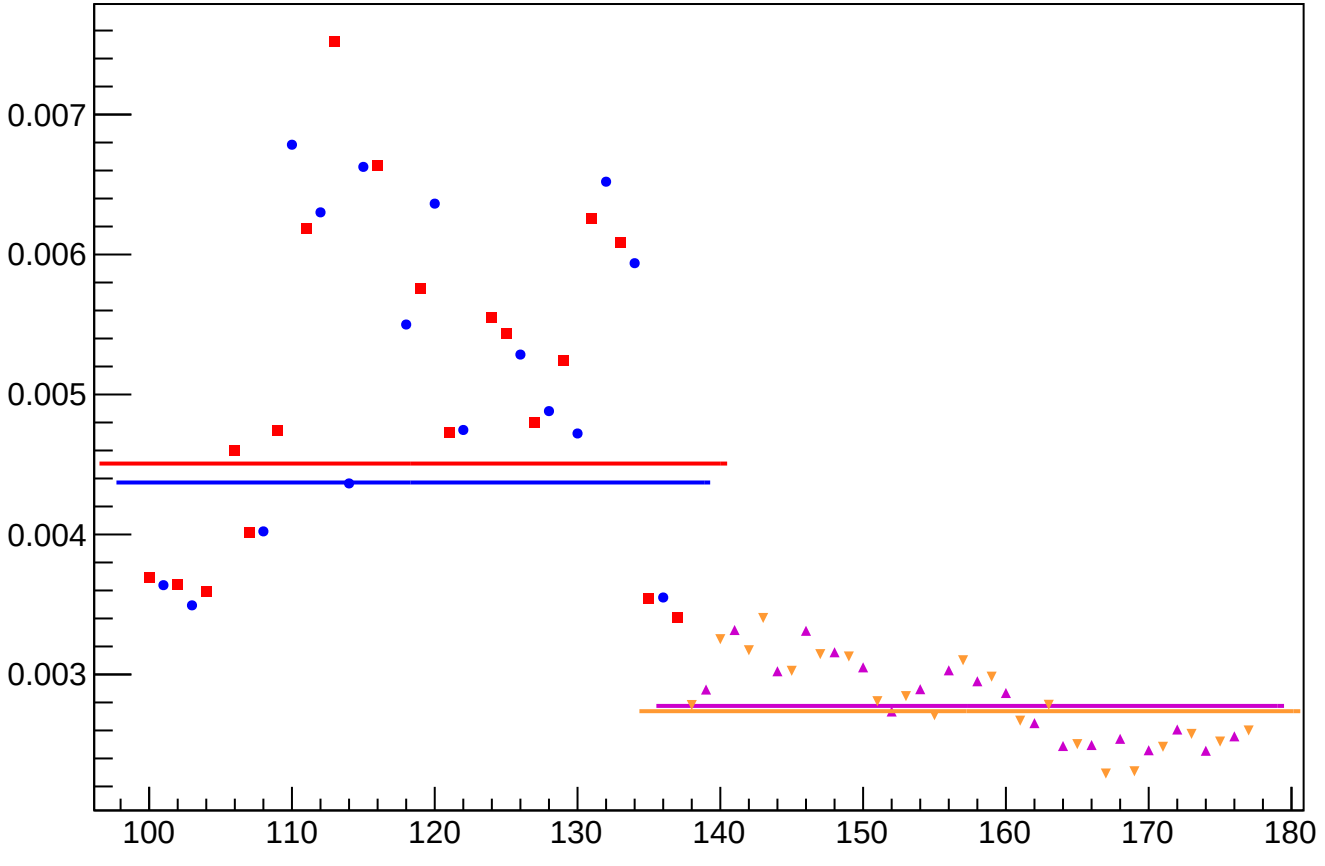
Right: -0.050+/-0.000 χ^2/NDF: 46237436160.9/34

In: -0.114+/-0.000 χ^2/NDF:28164737832.9/34

Out: -0.111+/-0.000 χ^2/NDF:26684735767.6/39

All: -0.113+/-0.000 χ^2/NDF: 54856446183.0/

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:377056.3/20

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

Left In: 0.003+/-0.000 χ^2/NDF:275335.7/18

Left: 0.003+/-0.000 χ^2/NDF: 655245.8/39

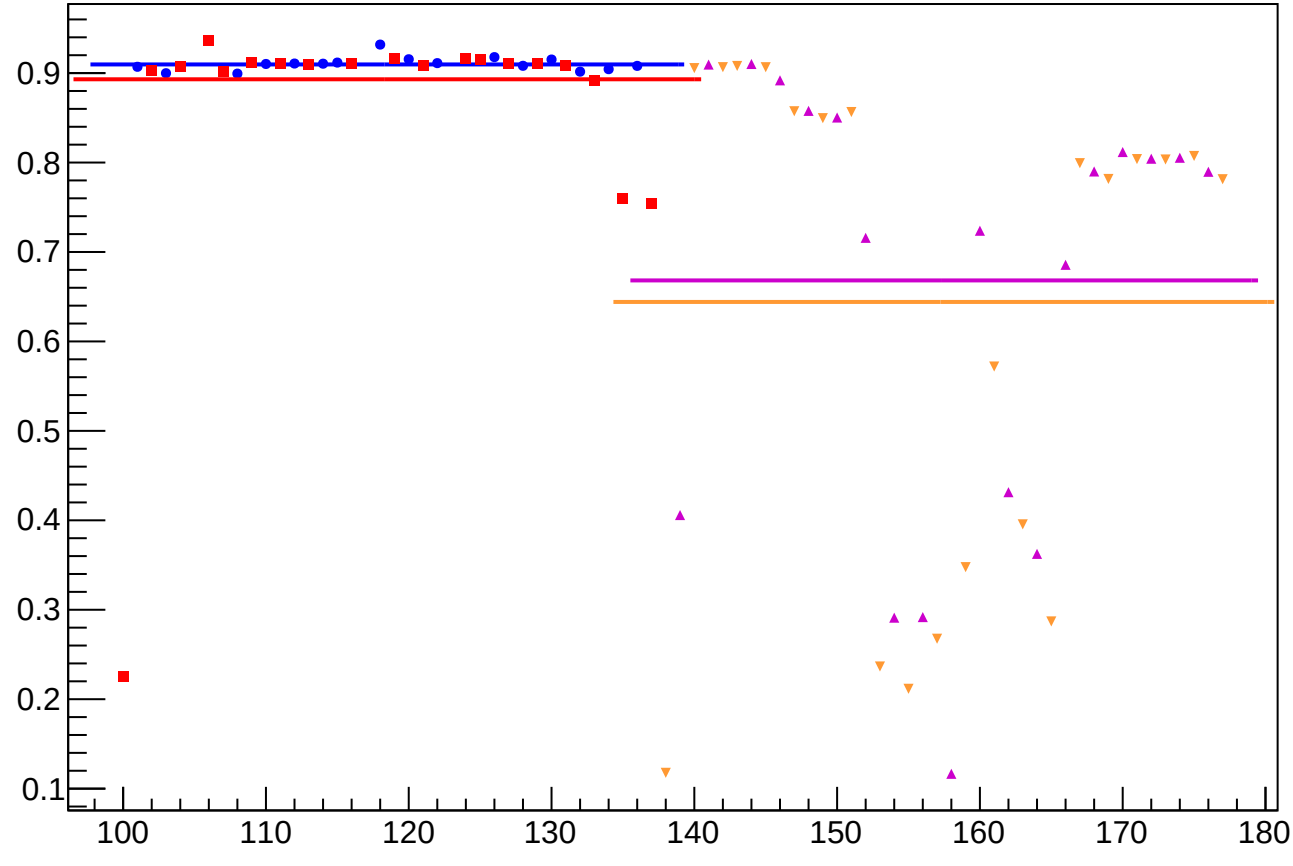
Right: 0.004+/-0.000 χ^2/NDF: 1370782.0/34

In: 0.003+/-0.000 χ^2/NDF:2329304.4/34

Out: 0.003+/-0.000 χ^2/NDF:2795087.9/39

All: 0.003+/-0.000 χ^2/NDF: 5127490.9/74

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.644+/-0.000 χ^2/NDF:8855893961.6/20

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

Left In: 0.668+/-0.000 χ^2/NDF:6752735784.3/18

Left: 0.656+/-0.000 χ^2/NDF: 15644106276.7/39

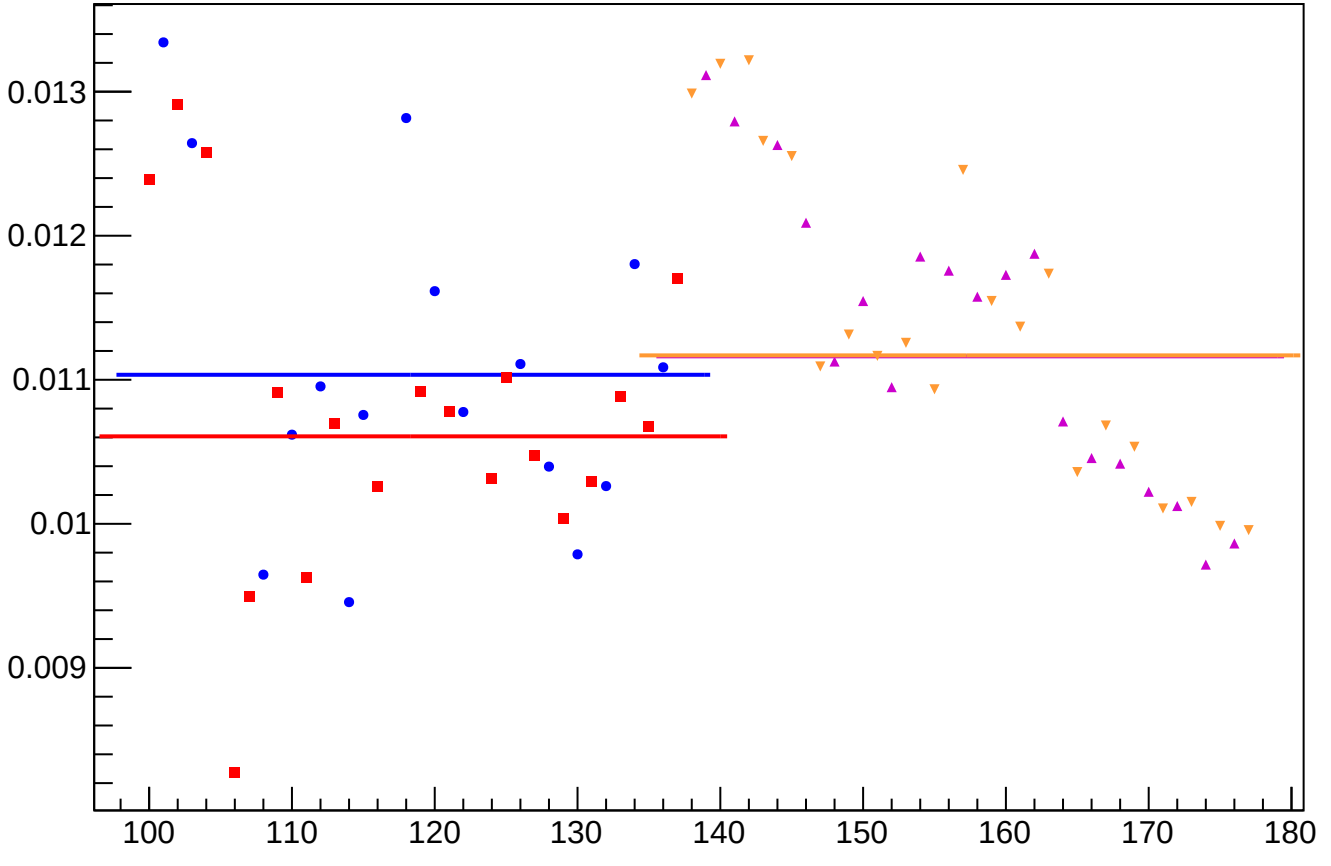
Right: 0.901+/-0.000 χ^2/NDF: 339373965.5/34

In: 0.746+/-0.000 χ^2/NDF:8984150766.4/34

Out: 0.728+/-0.000 χ^2/NDF:11820862500.6/39

All: 0.736+/-0.000 χ^2/NDF: 20835939098.5/7

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:242916.8/20

Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.011+/-0.000 χ^2/NDF:225134.6/18

Left: 0.011+/-0.000 χ^2/NDF: 468056.8/39

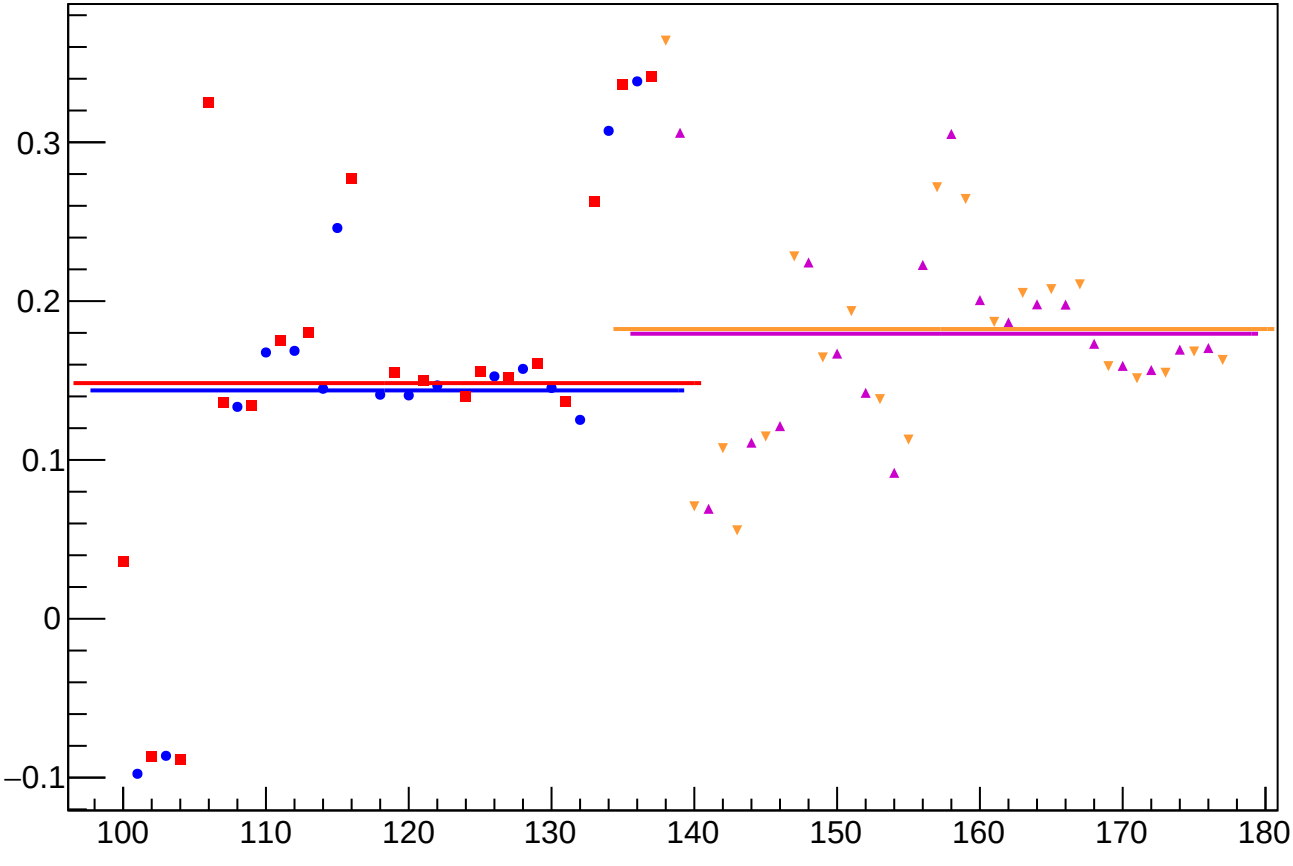
Right: 0.011+/-0.000 χ^2/NDF: 285253.7/34

In: 0.011+/-0.000 χ^2/NDF:356741.1/34

Out: 0.011+/-0.000 χ^2/NDF:413757.3/39

All: 0.011+/-0.000 χ^2/NDF: 774105.7/74

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.182+/-0.000 χ^2/NDF:6373262649.6/20

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

Left In: 0.179+/-0.000 χ^2/NDF:4572032877.2/18

Left: 0.181+/-0.000 χ^2/NDF: 10952319587.0/39

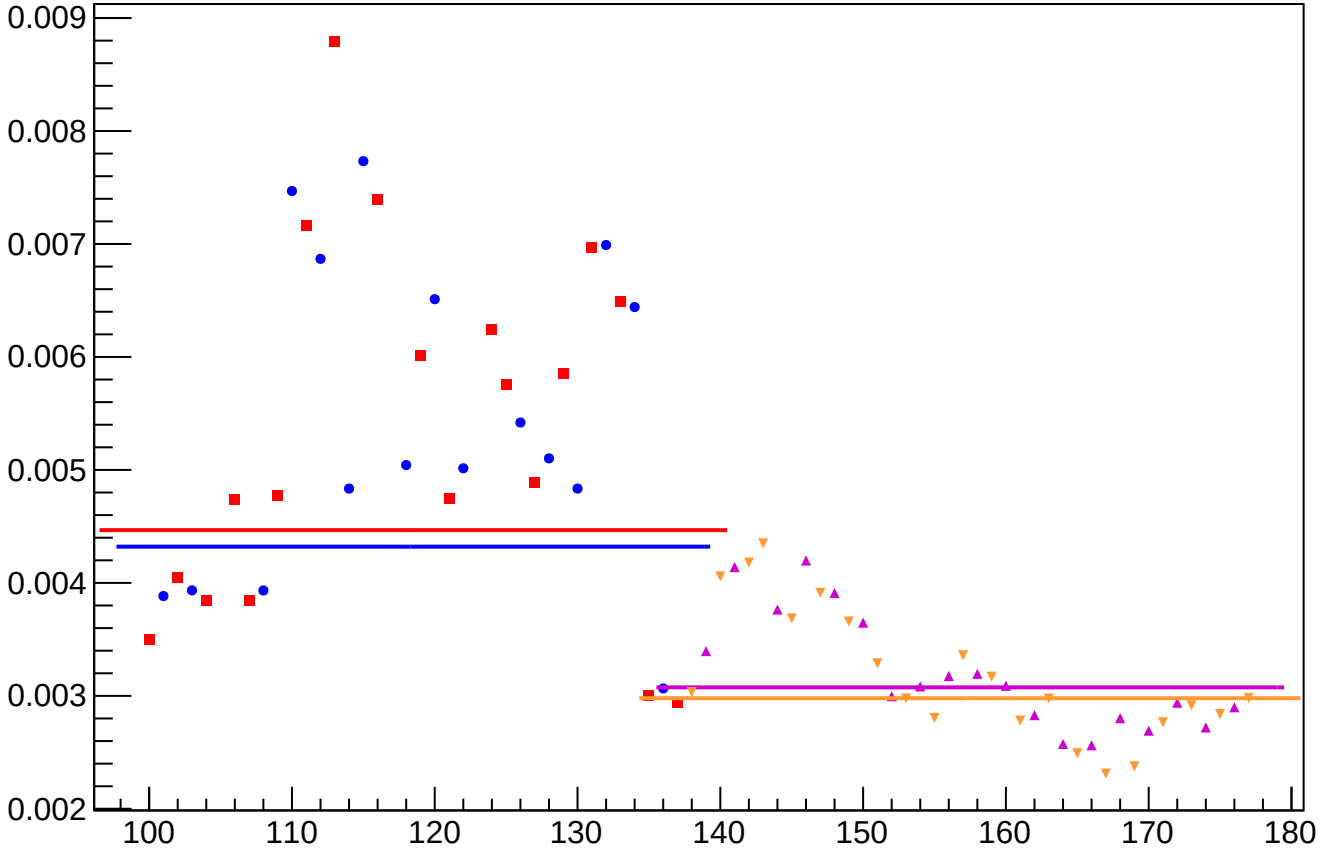
Right: 0.146+/-0.000 χ^2/NDF: 14999065697.1/34

In: 0.173+/-0.000 χ^2/NDF:12763488307.4/34

Out: 0.177+/-0.000 χ^2/NDF:13795644470.7/39

All: 0.175+/-0.000 χ^2/NDF: 26574251219.9/7

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 878343.4/15

Left Out: 0.003+/-0.000 χ^2/NDF:843821.7/20

Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.003+/-0.000 χ^2/NDF:573336.0/18

Left: 0.003+/-0.000 χ^2/NDF: 1431879.5/39

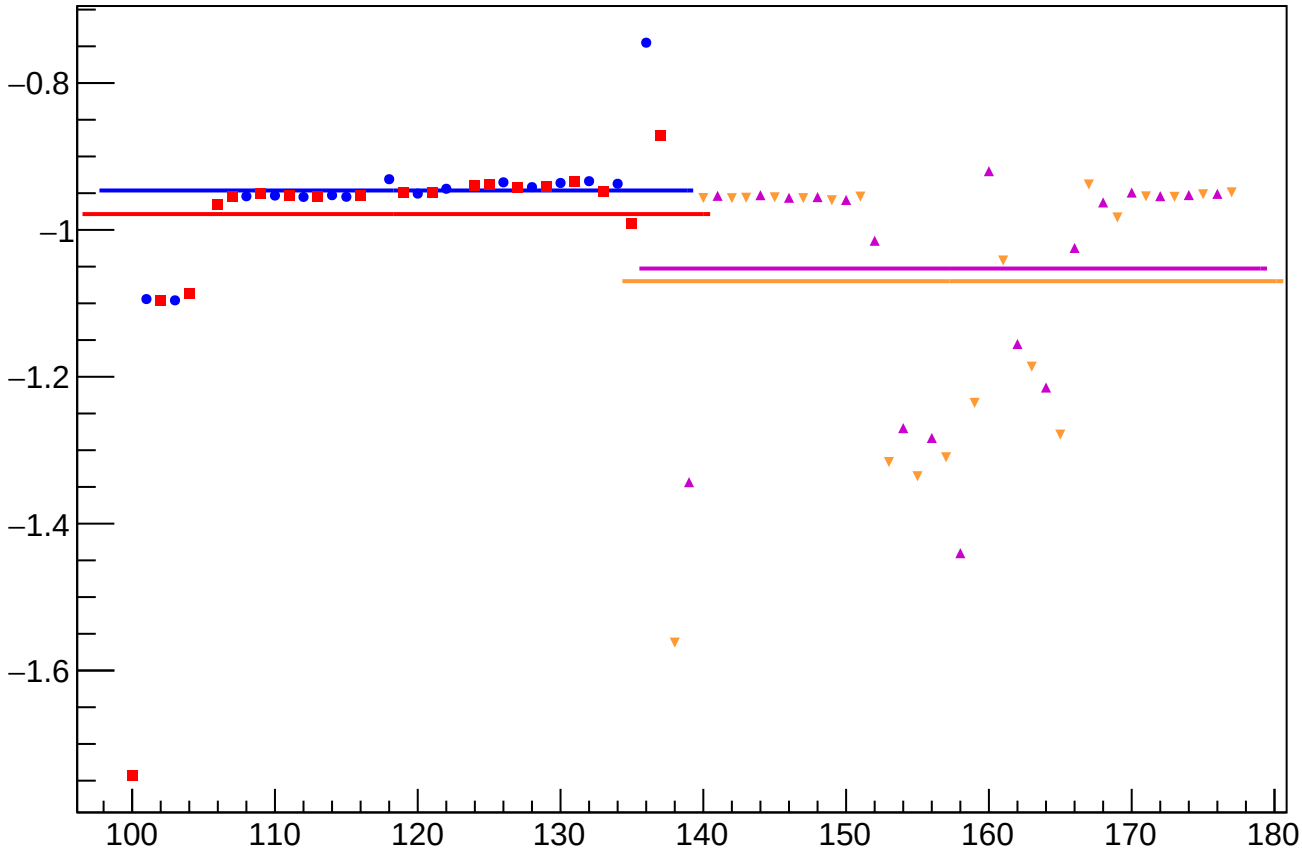
Right: 0.004+/-0.000 χ^2/NDF: 1970552.0/34

In: 0.003+/-0.000 χ^2/NDF:2241559.5/34

Out: 0.003+/-0.000 χ^2/NDF:3051327.1/39

All: 0.003+/-0.000 χ^2/NDF: 5307408.4/74

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.070+/-0.000 χ^2/NDF:4726517778.1/20

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

Left In: -1.053+/-0.000 χ^2/NDF:3657794374.9/18

Left: -1.062+/-0.000 χ^2/NDF: 8407364620.4/39

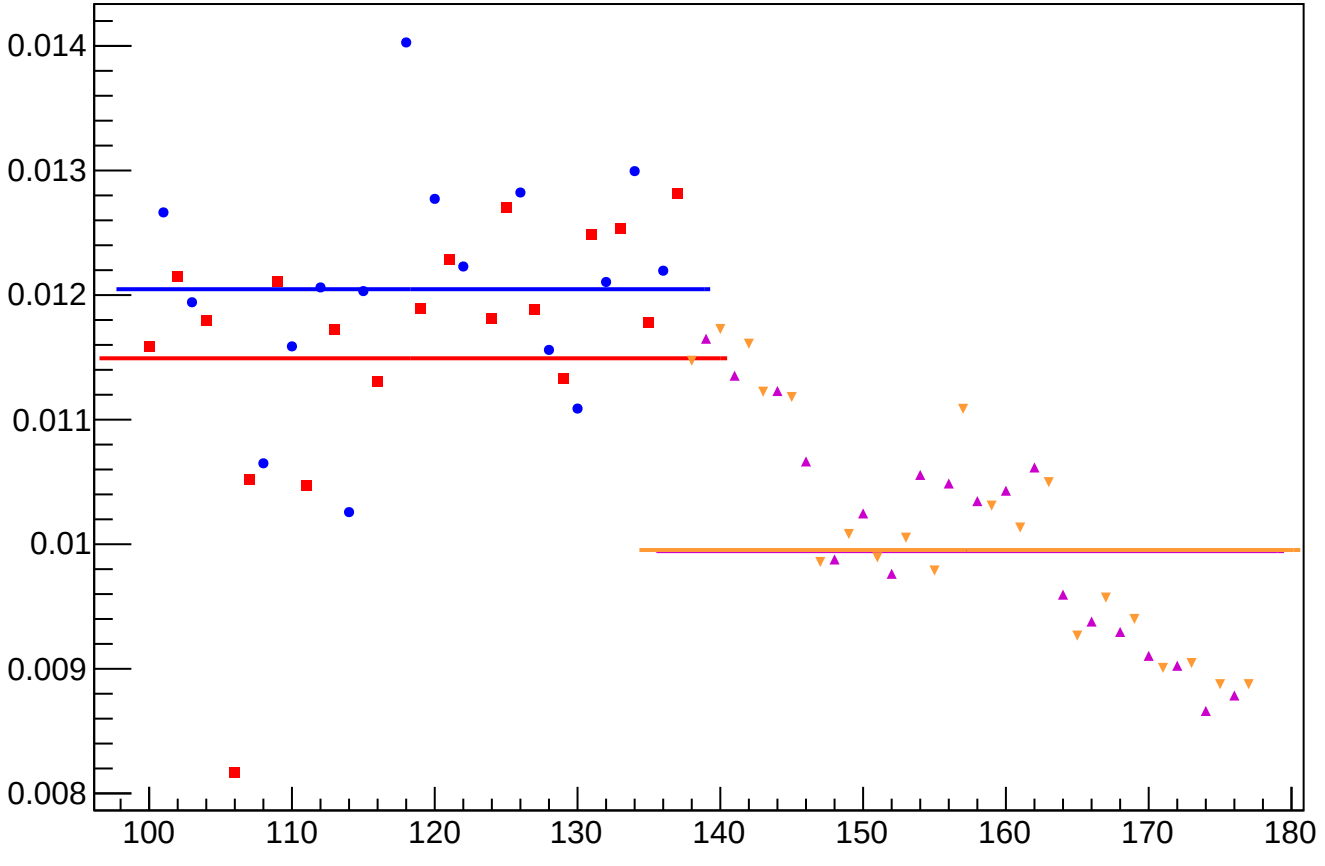
Right: -0.963+/-0.000 χ^2/NDF: 891693396.9/34

In: -1.027+/-0.000 χ^2/NDF:4468986090.1/34

Out: -1.047+/-0.000 χ^2/NDF:5526105389.1/39

All: -1.037+/-0.000 χ^2/NDF: 10034776602.6/

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 62476.3/15

Left Out: 0.010+/-0.000 χ^2/NDF:235395.3/20

Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.010+/-0.000 χ^2/NDF:218870.9/18

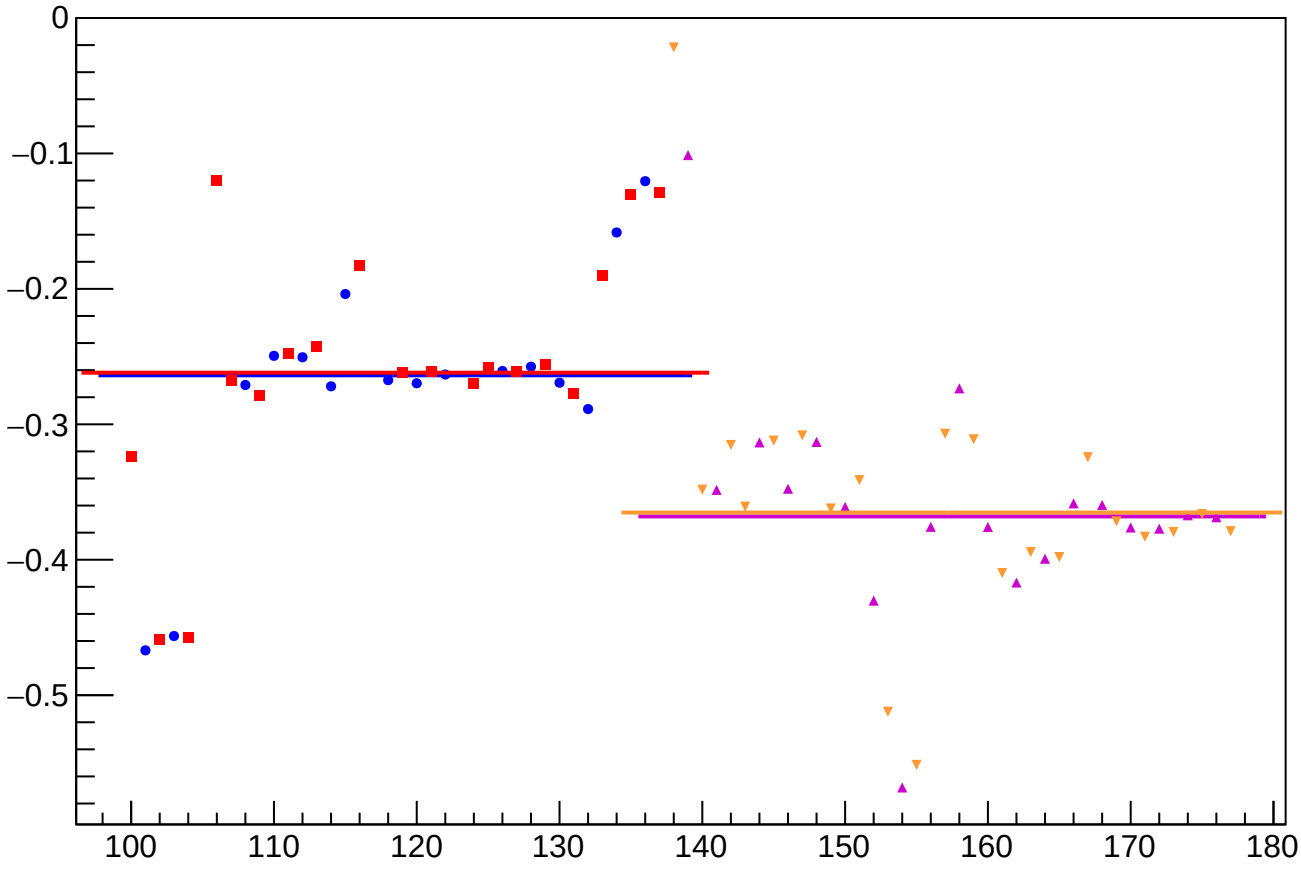
Left: 0.010+/-0.000 χ^2/NDF: 454278.3/39

Right: 0.012+/-0.000 χ^2/NDF: 229327.8/34

In: 0.010+/-0.000 χ^2/NDF:599561.5/34

Out: 0.010+/-0.000 χ^2/NDF:578699.3/39

All: 0.010+/-0.000 χ^2/NDF: 1180594.6/74



Right In: -0.264+/-0.000 χ^2/NDF: 6106171444.3/15

Left Out: -0.365+/-0.000 χ^2/NDF:11916026130.6/20

Right Out: -0.262+/-0.000 χ^2/NDF: 5250043427.3/18

Left In: -0.368+/-0.000 χ^2/NDF:7568237385.6/18

Left: -0.366+/-0.000 χ^2/NDF: 19489554671.8/39

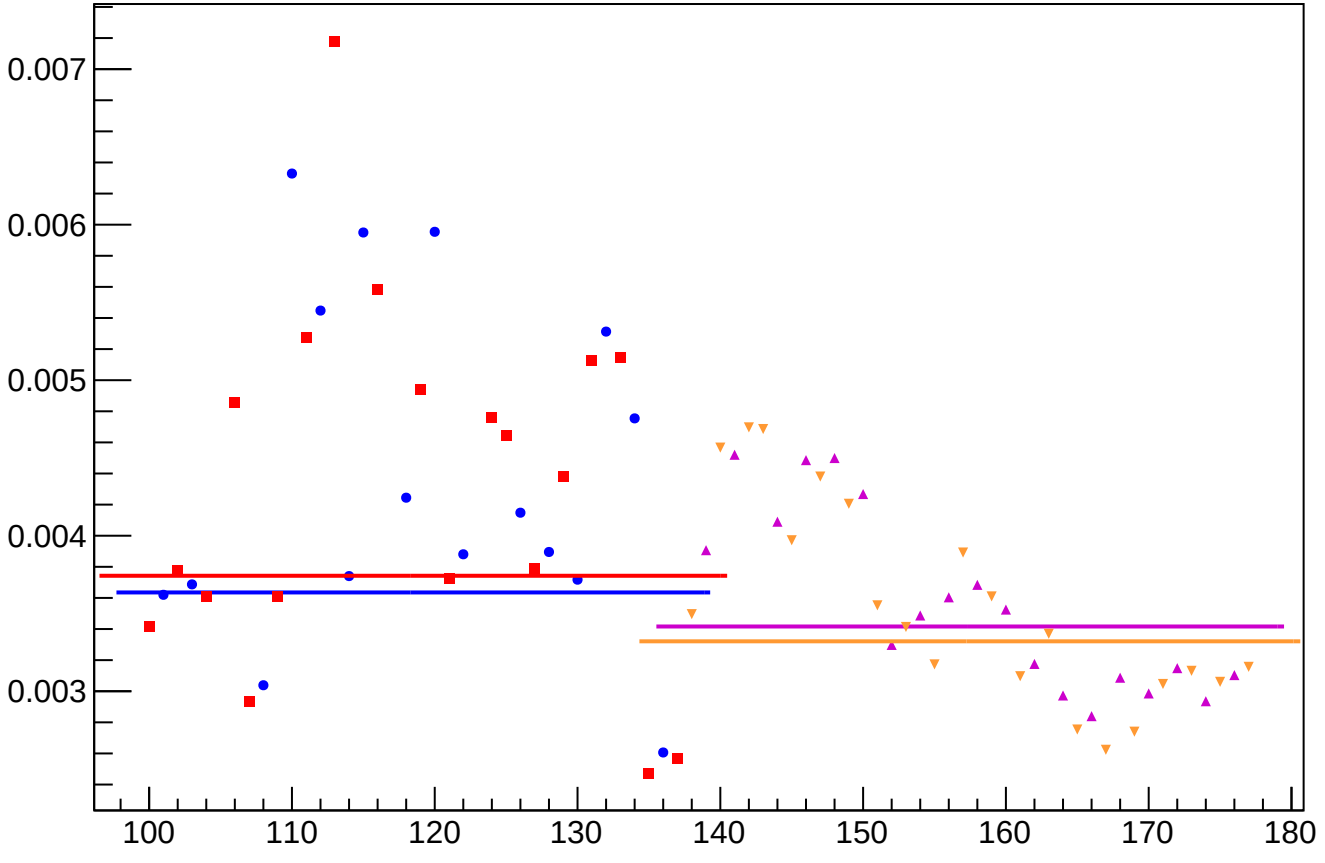
Right: -0.263+/-0.000 χ^2/NDF: 11357011784.3/34

In: -0.340+/-0.000 χ^2/NDF:17149604242.1/34

Out: -0.340+/-0.000 χ^2/NDF:20650808607.0/39

All: -0.340+/-0.000 χ^2/NDF: 37800451083.6/

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:807700.7/20

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

Left In: 0.003+/-0.000 χ^2/NDF:604459.7/18

Left: 0.003+/-0.000 χ^2/NDF: 1423767.5/39

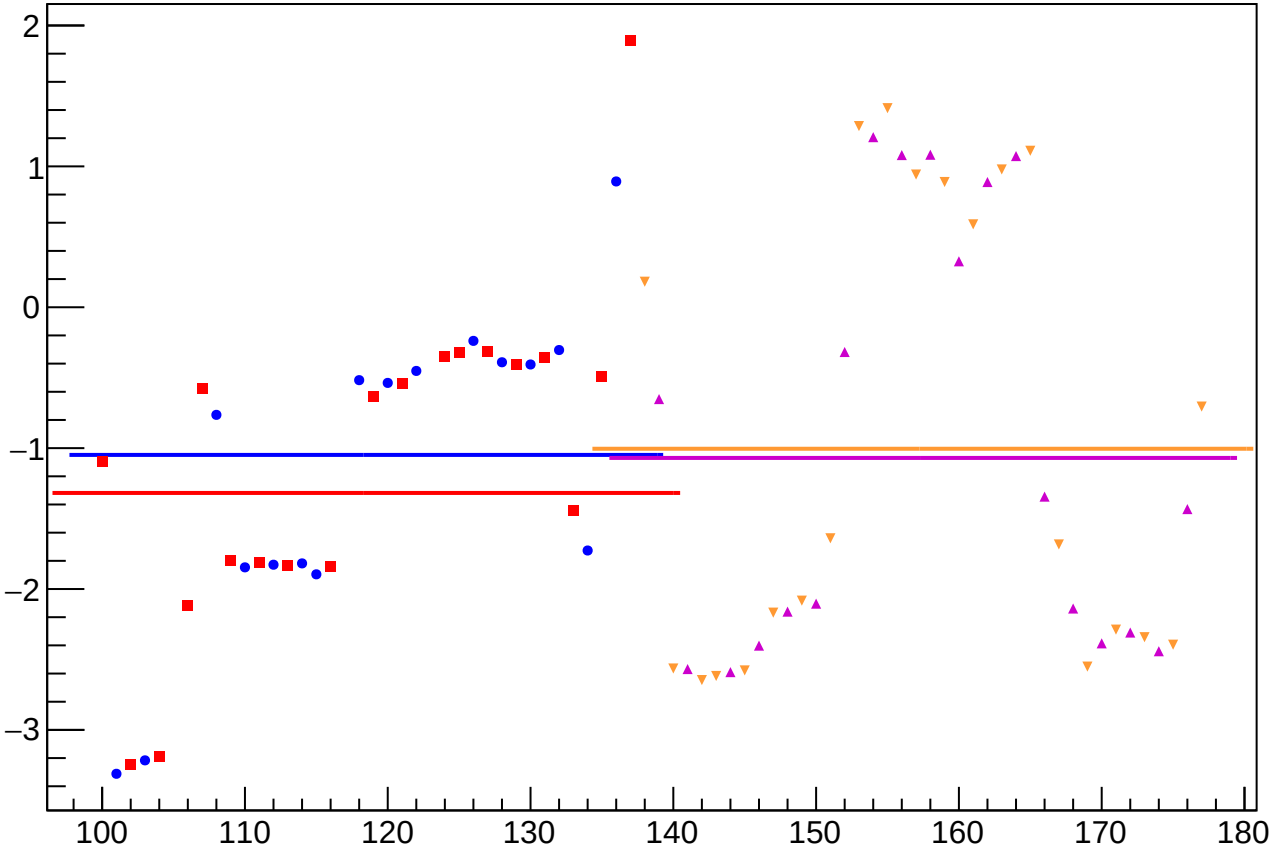
Right: 0.004+/-0.000 χ^2/NDF: 1627770.5/34

In: 0.003+/-0.000 χ^2/NDF:1363737.7/34

Out: 0.003+/-0.000 χ^2/NDF:1818060.0/39

All: 0.003+/-0.000 χ^2/NDF: 3186578.5/74

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -1.004+/-0.000 χ^2/NDF:7151267583.5/20

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

Left In: -1.069+/-0.000 χ^2/NDF:5813825885.2/18

Left: -1.035+/-0.000 χ^2/NDF: 12971104655.0/39

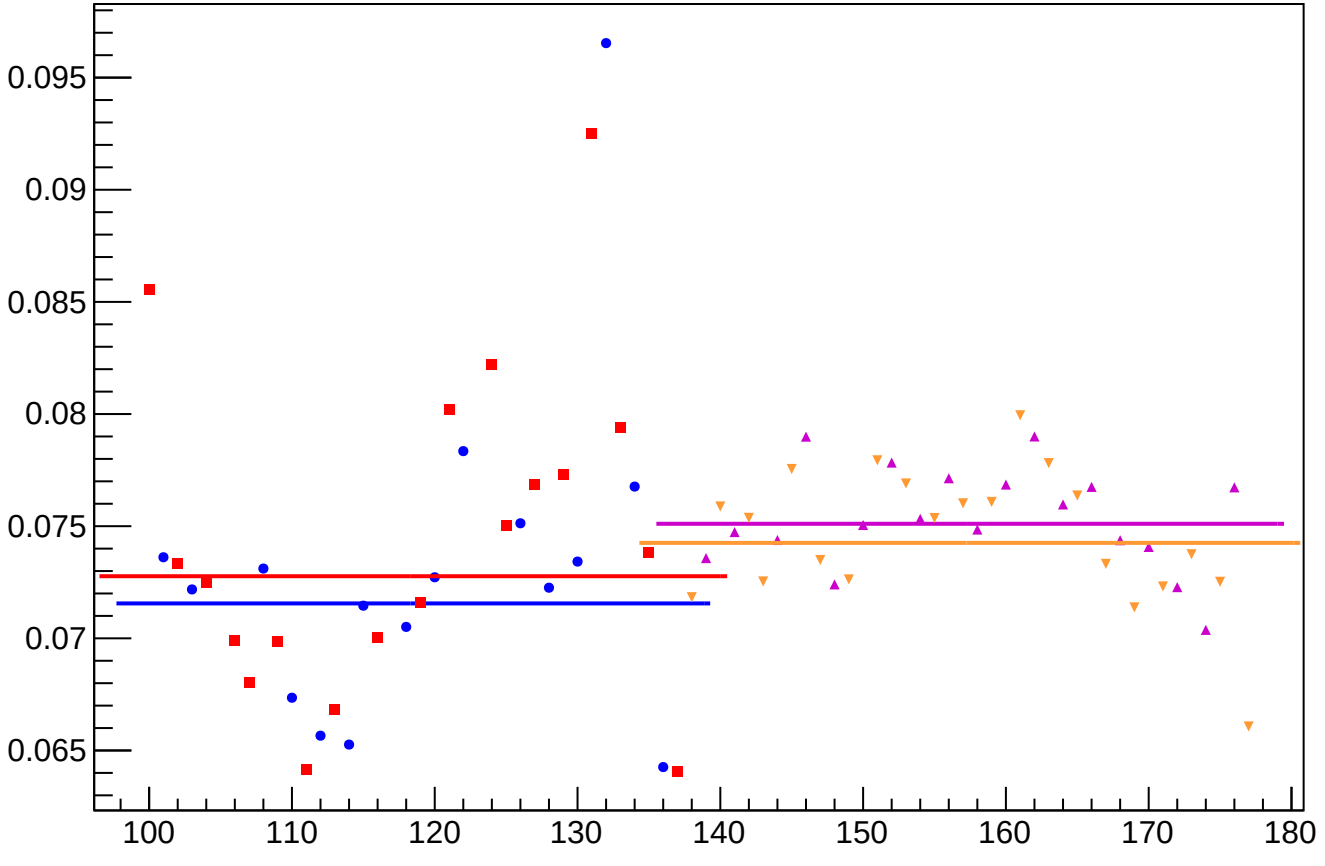
Right: -1.183+/-0.000 χ^2/NDF: 4244956360.2/34

In: -1.062+/-0.000 χ^2/NDF:8161263885.6/34

Out: -1.103+/-0.000 χ^2/NDF:9091646544.9/39

All: -1.083+/-0.000 χ^2/NDF: 17256452343.0/

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.072+/-0.000 χ^2/NDF: 101238.7/15

Left Out: 0.074+/-0.000 χ^2/NDF:57706.9/20

Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.075+/-0.000 χ^2/NDF:26987.5/18

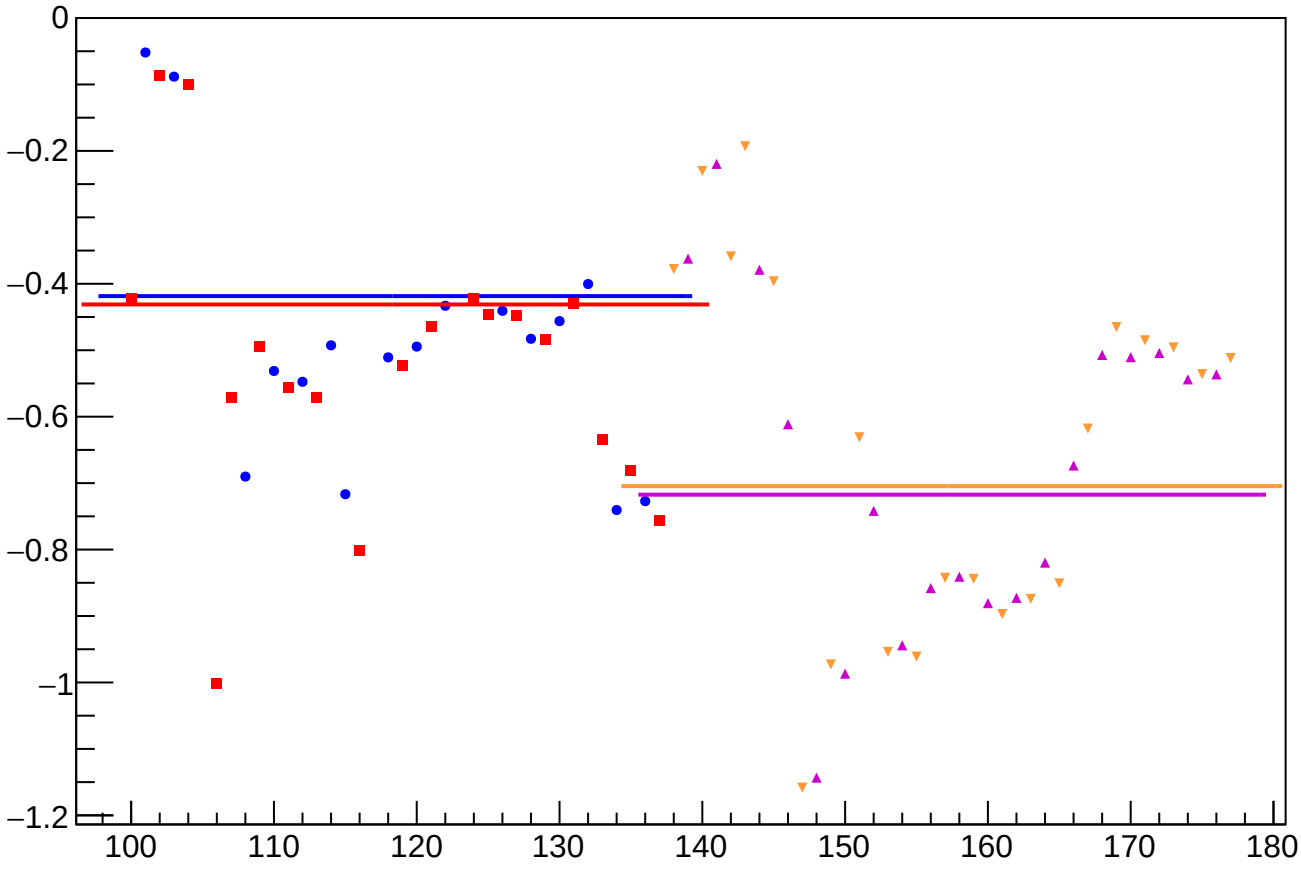
Left: 0.075+/-0.000 χ^2/NDF: 86747.7/39

Right: 0.072+/-0.000 χ^2/NDF: 200129.9/34

In: 0.074+/-0.000 χ^2/NDF:151143.2/34

Out: 0.074+/-0.000 χ^2/NDF:158728.7/39

All: 0.074+/-0.000 χ^2/NDF: 309938.9/74



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.705+/-0.000 χ^2/NDF:20082155502.0/20

Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

Left In: -0.717+/-0.000 χ^2/NDF:15010325712.9/18

Left: -0.711+/-0.000 χ^2/NDF: 35120679669.8/39

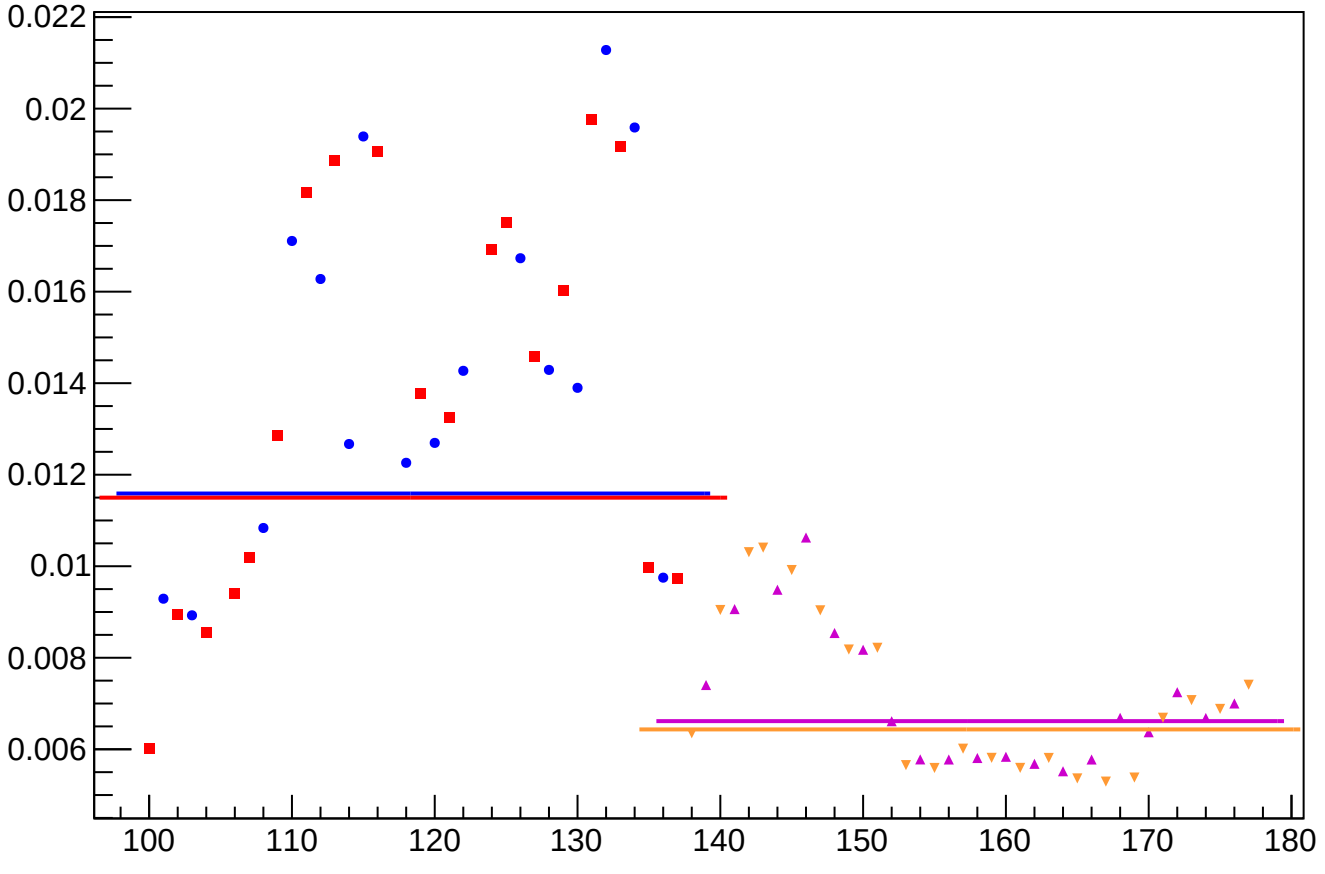
Right: -0.425+/-0.000 χ^2/NDF: 6272338159.2/34

In: -0.681+/-0.000 χ^2/NDF:21566986996.5/34

Out: -0.674+/-0.000 χ^2/NDF:26300092904.5/39

All: -0.678+/-0.000 χ^2/NDF: 47876542323.7/

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:1268882.8/20

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

Left In: 0.007+/-0.000 χ^2/NDF:893860.7/18

Left: 0.007+/-0.000 χ^2/NDF: 2173988.0/39

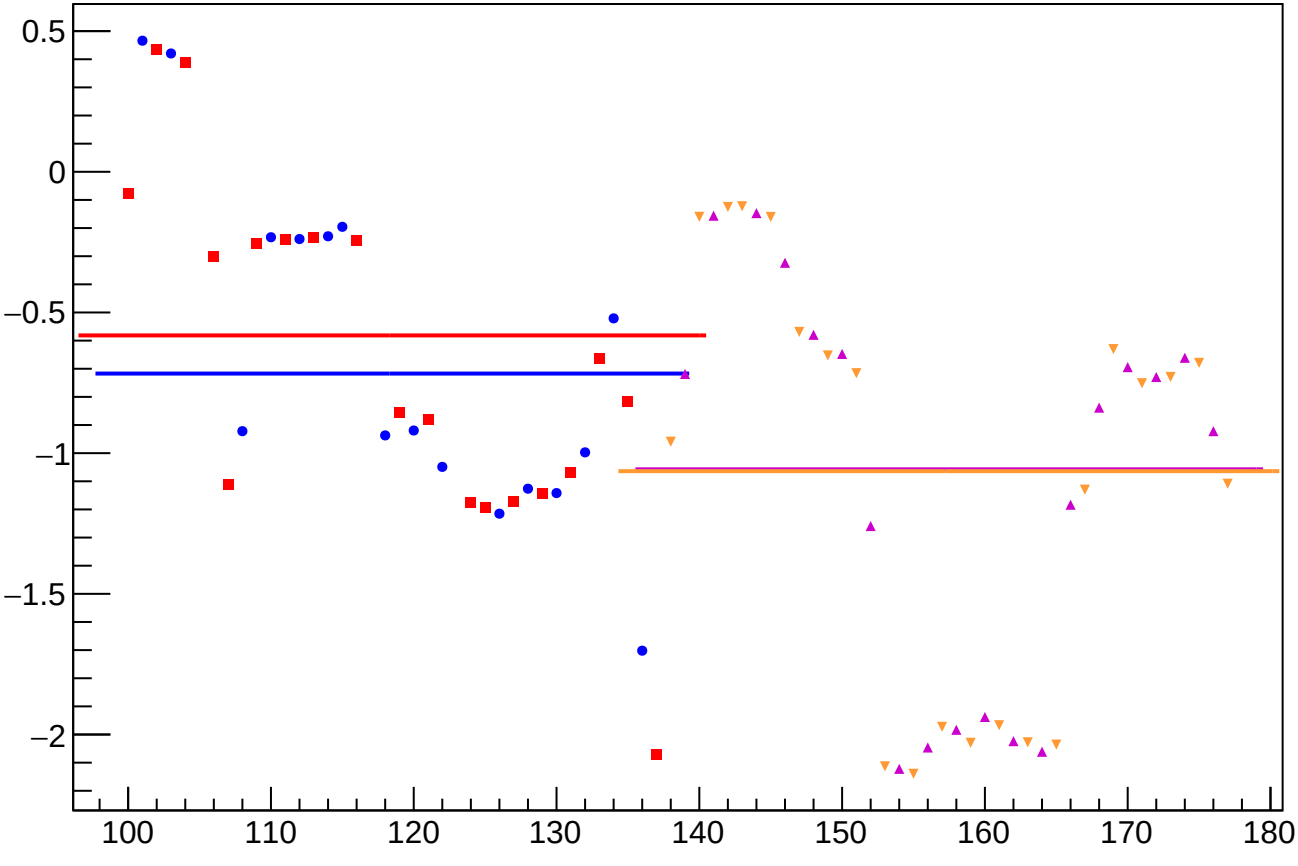
Right: 0.012+/-0.000 χ^2/NDF: 1951282.6/34

In: 0.007+/-0.000 χ^2/NDF:3610875.5/34

Out: 0.007+/-0.000 χ^2/NDF:4506521.9/39

All: 0.007+/-0.000 χ^2/NDF: 8136429.1/74

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -1.064+/-0.000 χ^2/NDF:1147977822.3/20

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

Left In: -1.057+/-0.000 χ^2/NDF:972911997.4/18

Left: -1.061+/-0.000 χ^2/NDF: 2120935847.5/39

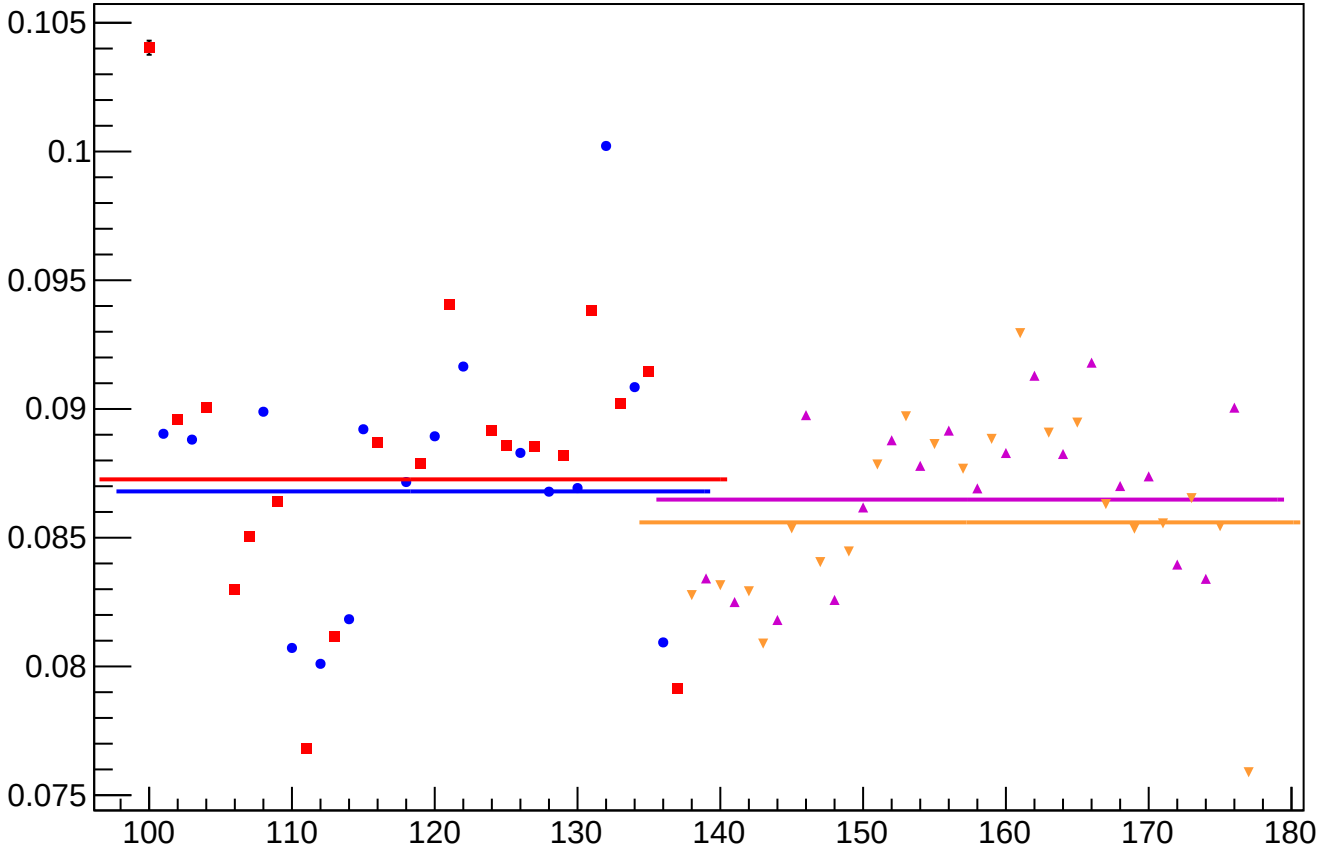
Right: -0.648+/-0.000 χ^2/NDF: 788347373.4/34

In: -0.950+/-0.000 χ^2/NDF:1485760903.6/34

Out: -0.918+/-0.000 χ^2/NDF:1648844639.7/39

All: -0.934+/-0.000 χ^2/NDF: 3136159291.4/7

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.086+/-0.000 χ^2/NDF:61873.5/20

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

Left In: 0.086+/-0.000 χ^2/NDF:36808.2/18

Left: 0.086+/-0.000 χ^2/NDF: 100369.4/39

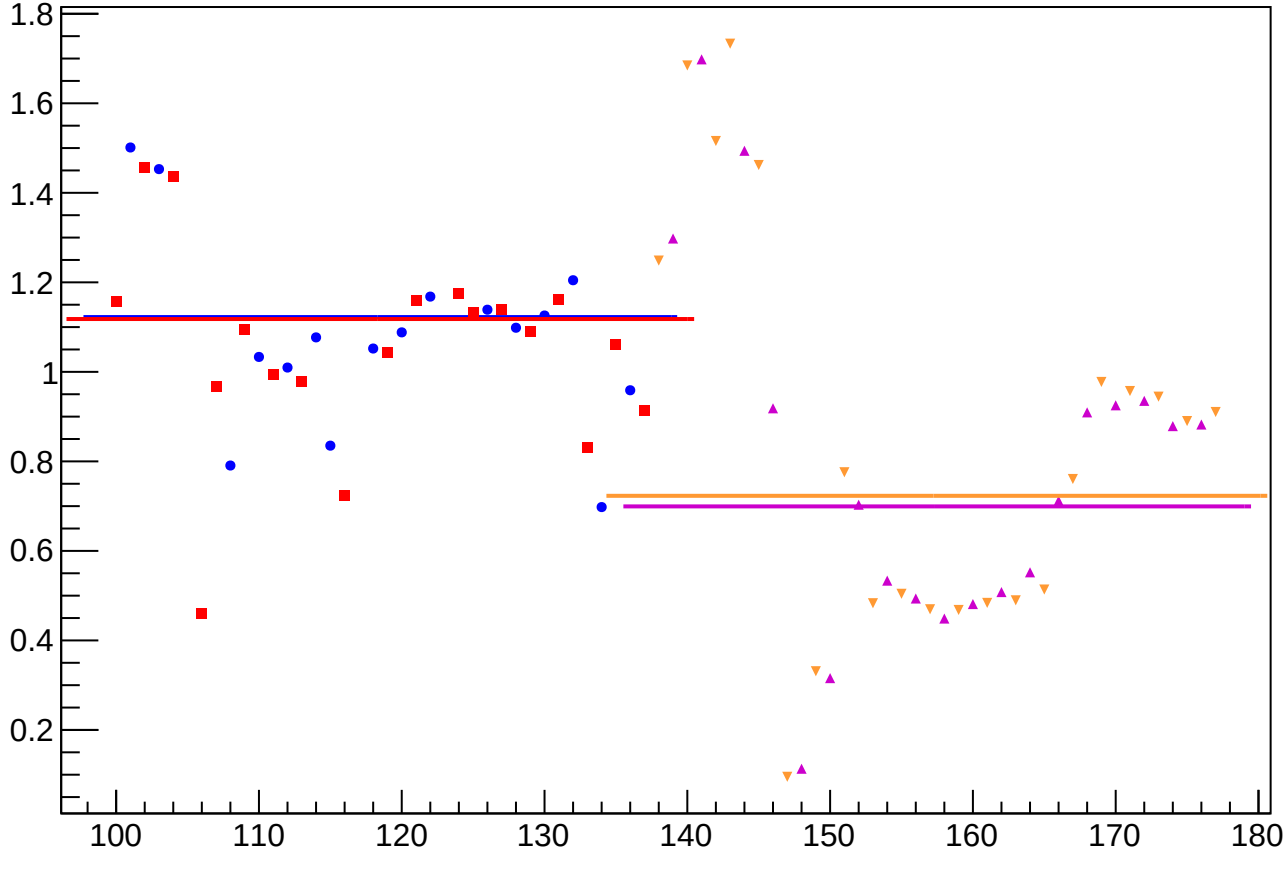
Right: 0.087+/-0.000 χ^2/NDF: 89950.5/34

In: 0.087+/-0.000 χ^2/NDF:80515.6/34

Out: 0.086+/-0.000 χ^2/NDF:111845.1/39

All: 0.086+/-0.000 χ^2/NDF: 193082.8/74

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 0.723+/-0.000 χ^2/NDF:31590914489.7/20

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

Left In: 0.699+/-0.000 χ^2/NDF:24508800315.5/18

Left: 0.712+/-0.000 χ^2/NDF: 56164154405.4/39

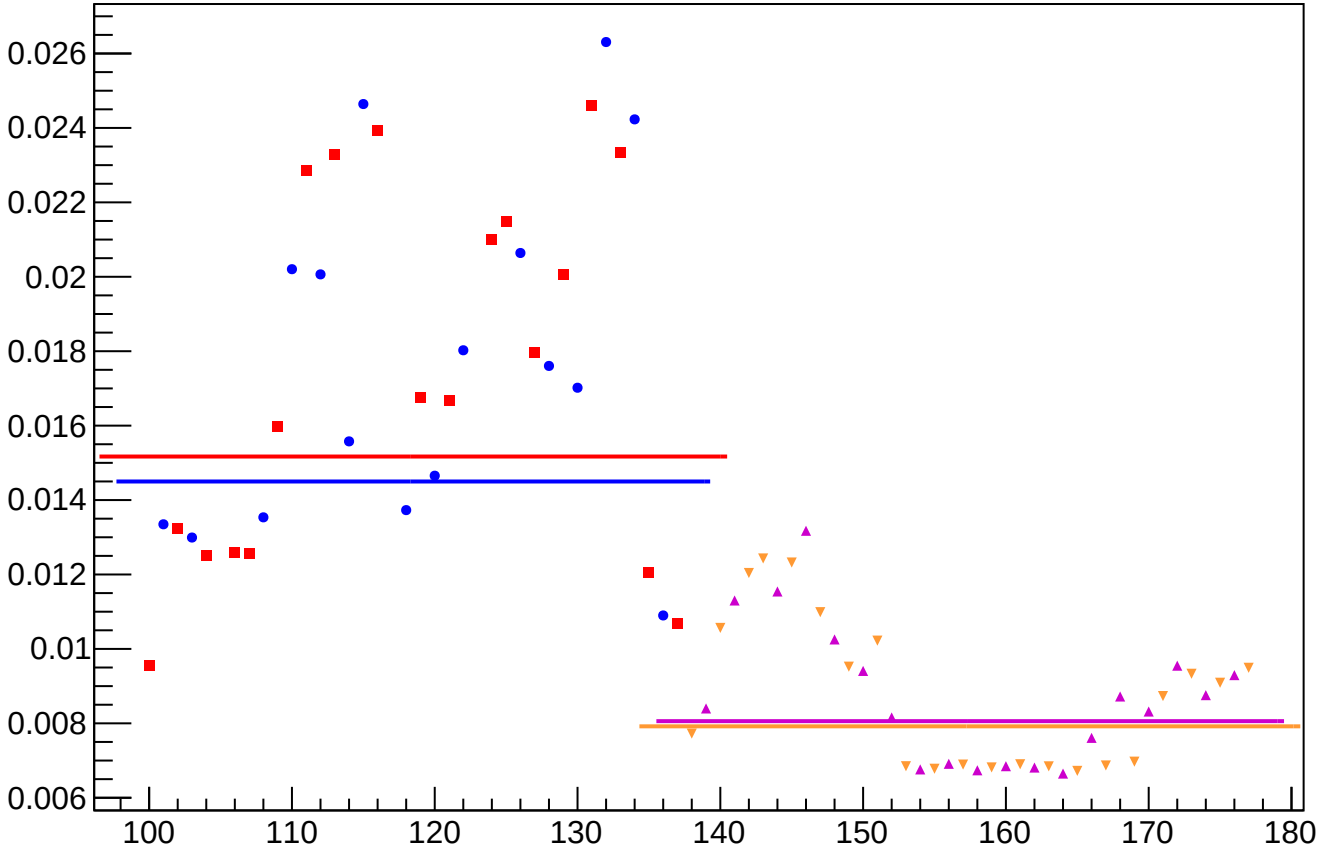
Right: 1.120+/-0.000 χ^2/NDF: 3024831149.0/34

In: 0.748+/-0.000 χ^2/NDF:30459792469.2/34

Out: 0.762+/-0.000 χ^2/NDF:36910107711.1/39

All: 0.755+/-0.000 χ^2/NDF: 67394920144.2/7

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:1267641.9/20

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

Left In: 0.008+/-0.000 χ^2/NDF:1030988.6/18

Left: 0.008+/-0.000 χ^2/NDF: 2303111.7/39

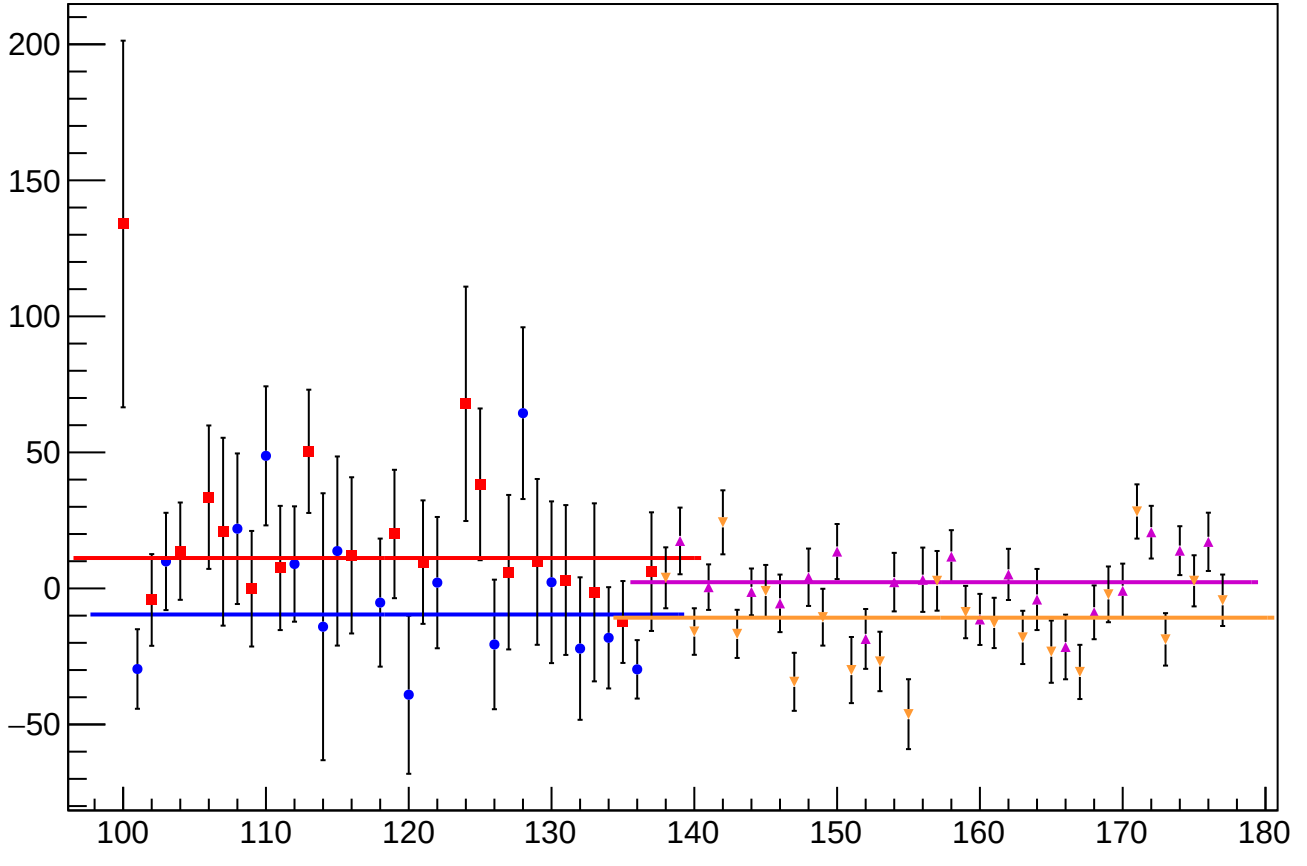
Right: 0.015+/-0.000 χ^2/NDF: 1587355.3/34

In: 0.009+/-0.000 χ^2/NDF:3826424.0/34

Out: 0.009+/-0.000 χ^2/NDF:4658667.0/39

All: 0.009+/-0.000 χ^2/NDF: 8492179.5/74

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -10.757+/-2.217 χ^2/NDF:56.2/20

Right Out: 11.177+/-5.497 χ^2/NDF: 13.9/18

Left In: 2.290+/-2.315 χ^2/NDF:23.2/18

Left: -4.517+/-1.601 χ^2/NDF: 96.0/39

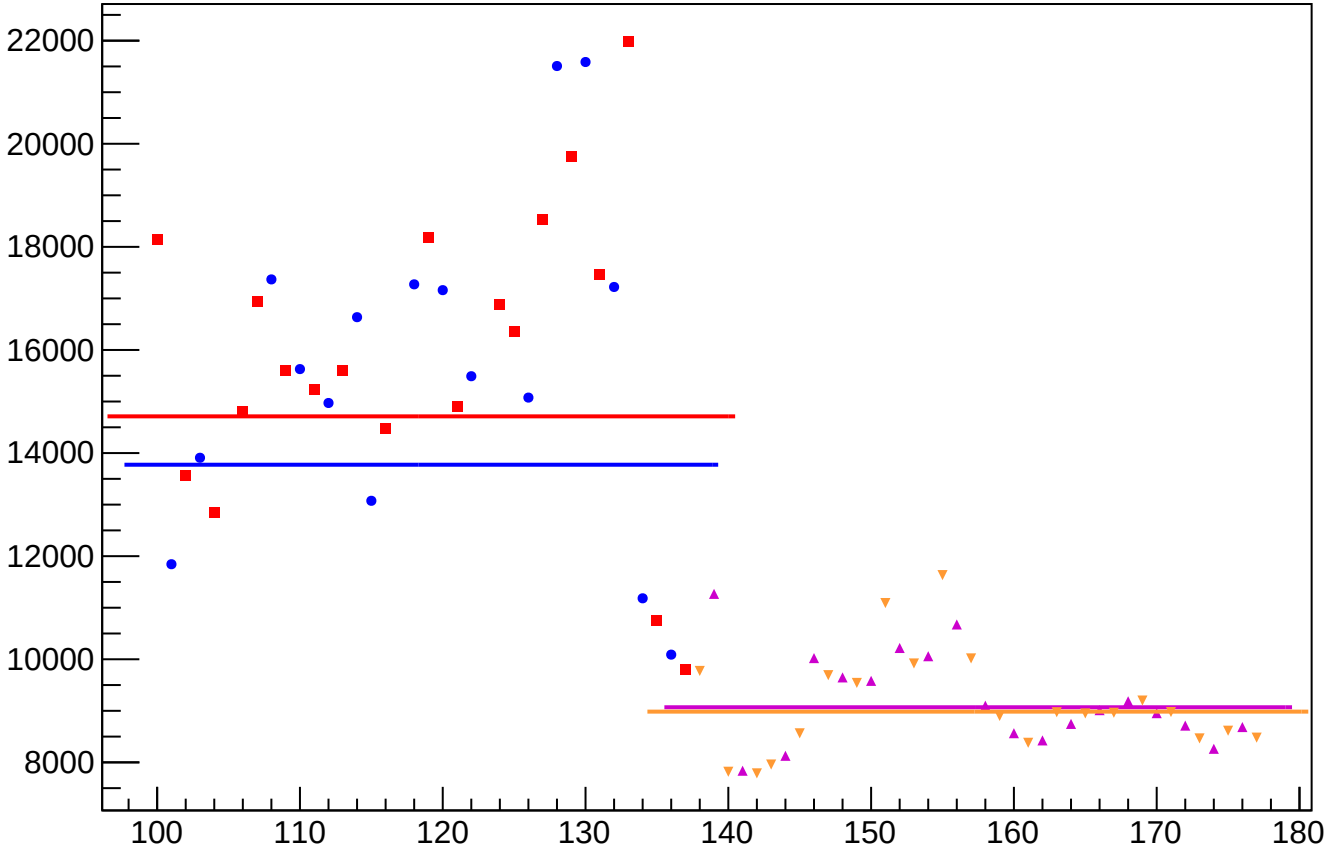
Right: 0.401+/-3.812 χ^2/NDF: 43.2/34

In: 0.382+/-2.121 χ^2/NDF:49.3/34

Out: -7.689+/-2.056 χ^2/NDF:83.8/39

All: -3.779+/-1.476 χ^2/NDF: 140.6/74

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 8984.383+/-1.567 χ^2/NDF:314670.0/20

Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

Left In: 9069.069+/-1.637 χ^2/NDF:273531.0/18

Left: 9024.884+/-1.132 χ^2/NDF: 589597.1/39

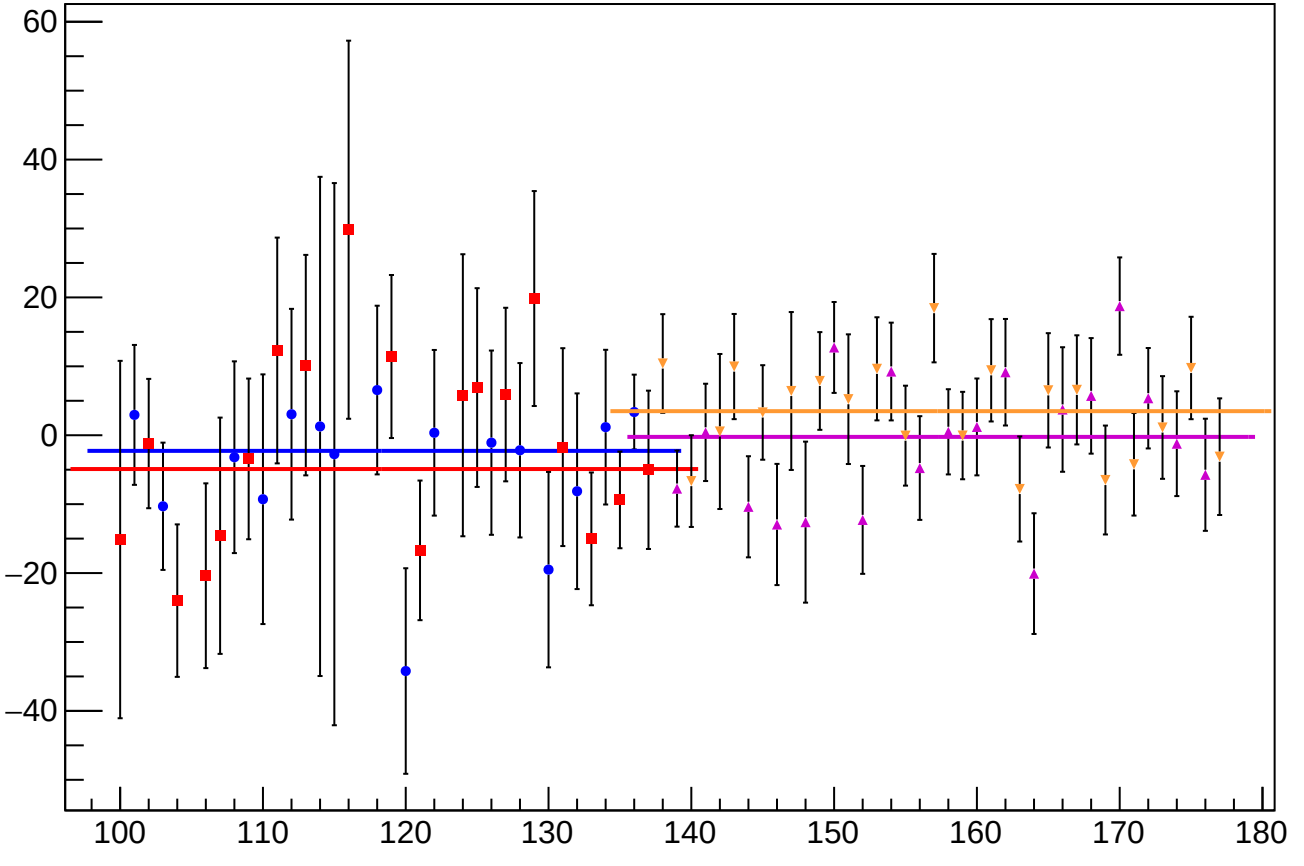
Right: 14225.090+/-2.695 χ^2/NDF: 1335141.9/34

In: 9825.233+/-1.500 χ^2/NDF:2348504.9/34

Out: 9785.445+/-1.454 χ^2/NDF:2739655.9/39

All: 9804.717+/-1.044 χ^2/NDF: 5088523.7/74

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 3.494+/-1.678 χ^2/NDF:16.6/20

Right Out: -4.904+/-2.836 χ^2/NDF: 17.6/18

Left In: -0.239+/-1.709 χ^2/NDF:31.0/18

Left: 1.662+/-1.197 χ^2/NDF: 50.0/39

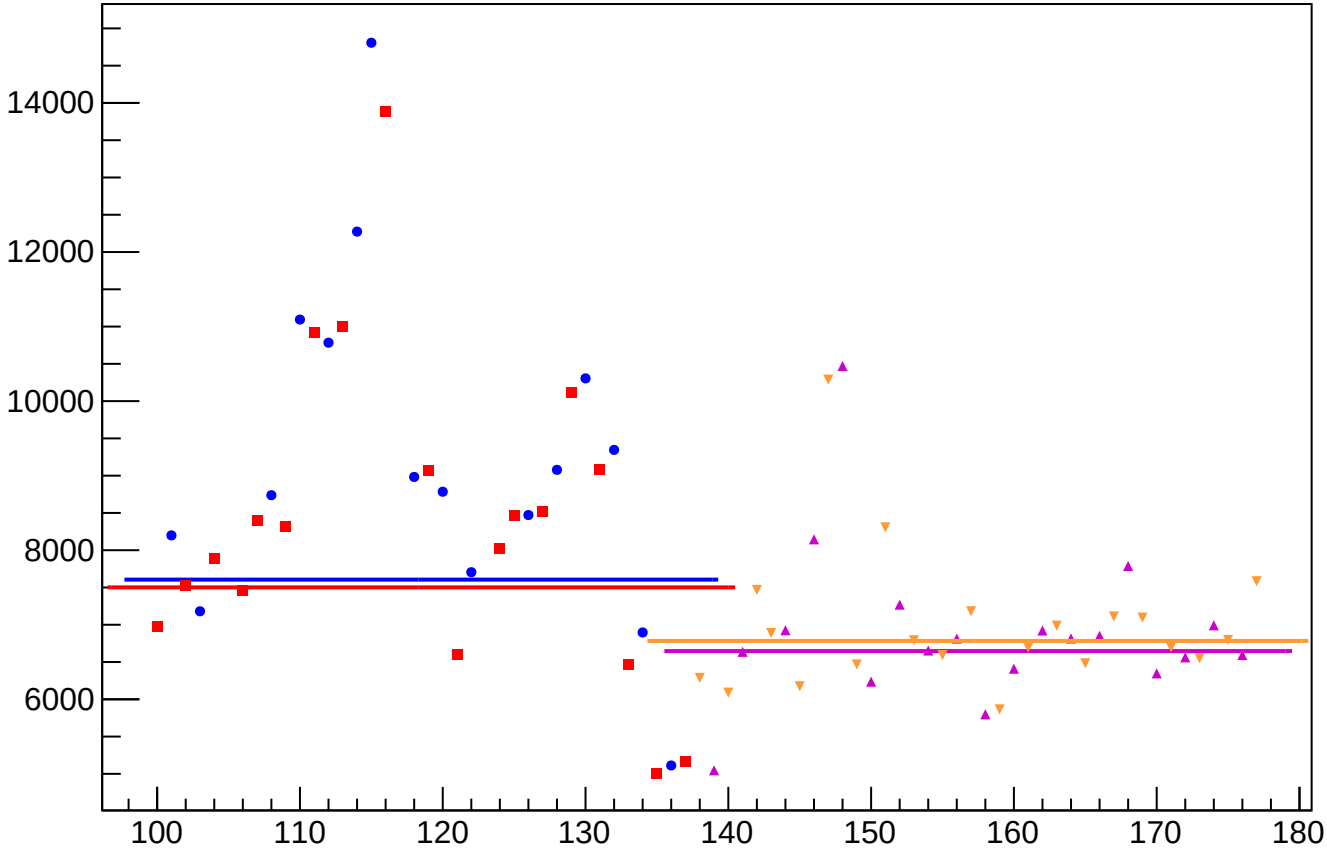
Right: -3.625+/-2.035 χ^2/NDF: 27.3/34

In: -0.756+/-1.475 χ^2/NDF:40.7/34

Out: 1.316+/-1.444 χ^2/NDF:40.6/39

All: 0.302+/-1.032 χ^2/NDF: 82.3/74

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6783.312+/-1.187 χ^2/NDF:377795.2/20

Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

Left In: 6647.025+/-1.208 χ^2/NDF:553966.9/18

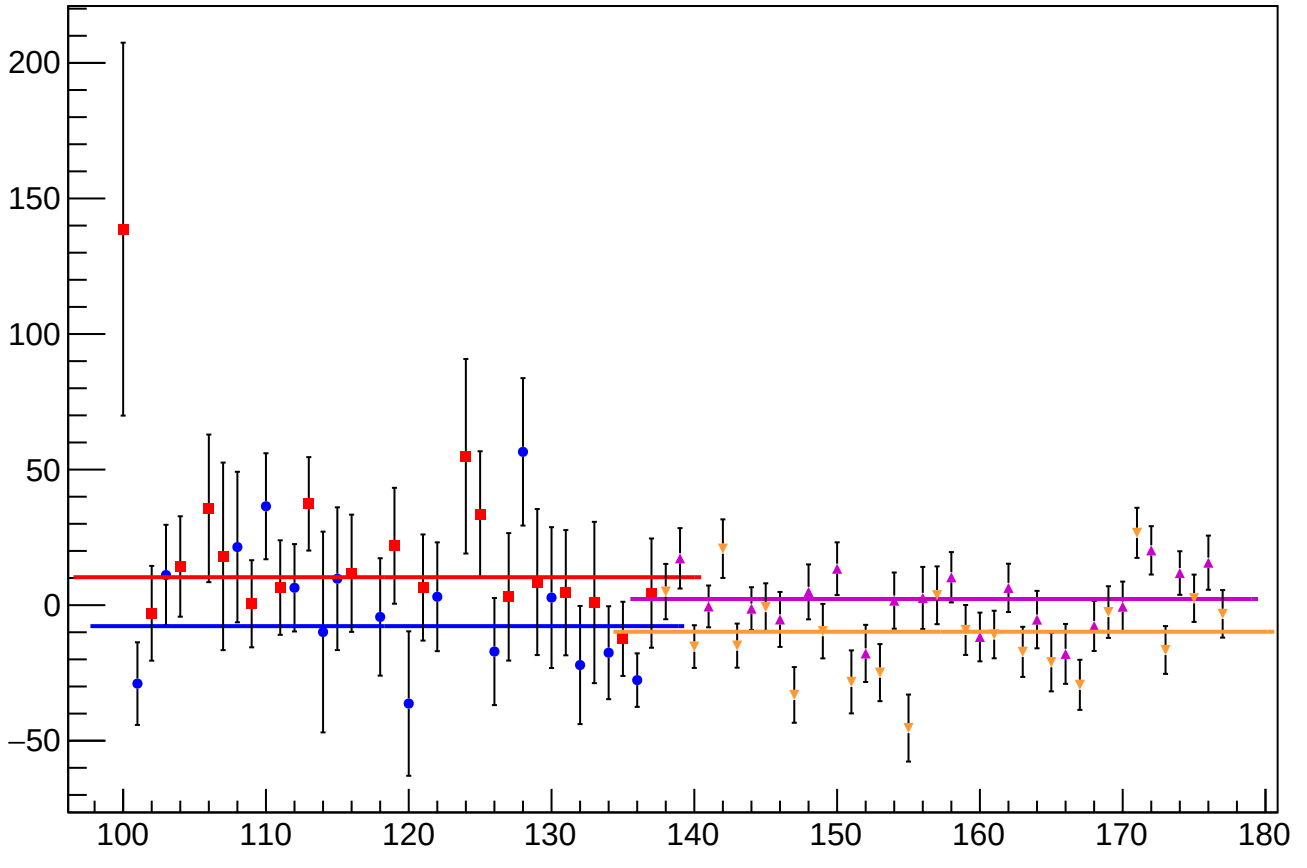
Left: 6716.405+/-0.847 χ^2/NDF: 938238.5/39

Right: 7552.053+/-1.439 χ^2/NDF: 1716360.9/34

In: 6891.331+/-1.043 χ^2/NDF:1605878.4/34

Out: 6969.565+/-1.021 χ^2/NDF:1296362.1/39

All: 6931.276+/-0.730 χ^2/NDF: 2905112.8/74



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -9.803+/-2.075 χ^2/NDF:57.3/20

Right Out: 10.307+/-4.840 χ^2/NDF: 13.9/18

Left In: 2.270+/-2.171 χ^2/NDF:23.5/18

Left: -4.040+/-1.500 χ^2/NDF: 96.9/39

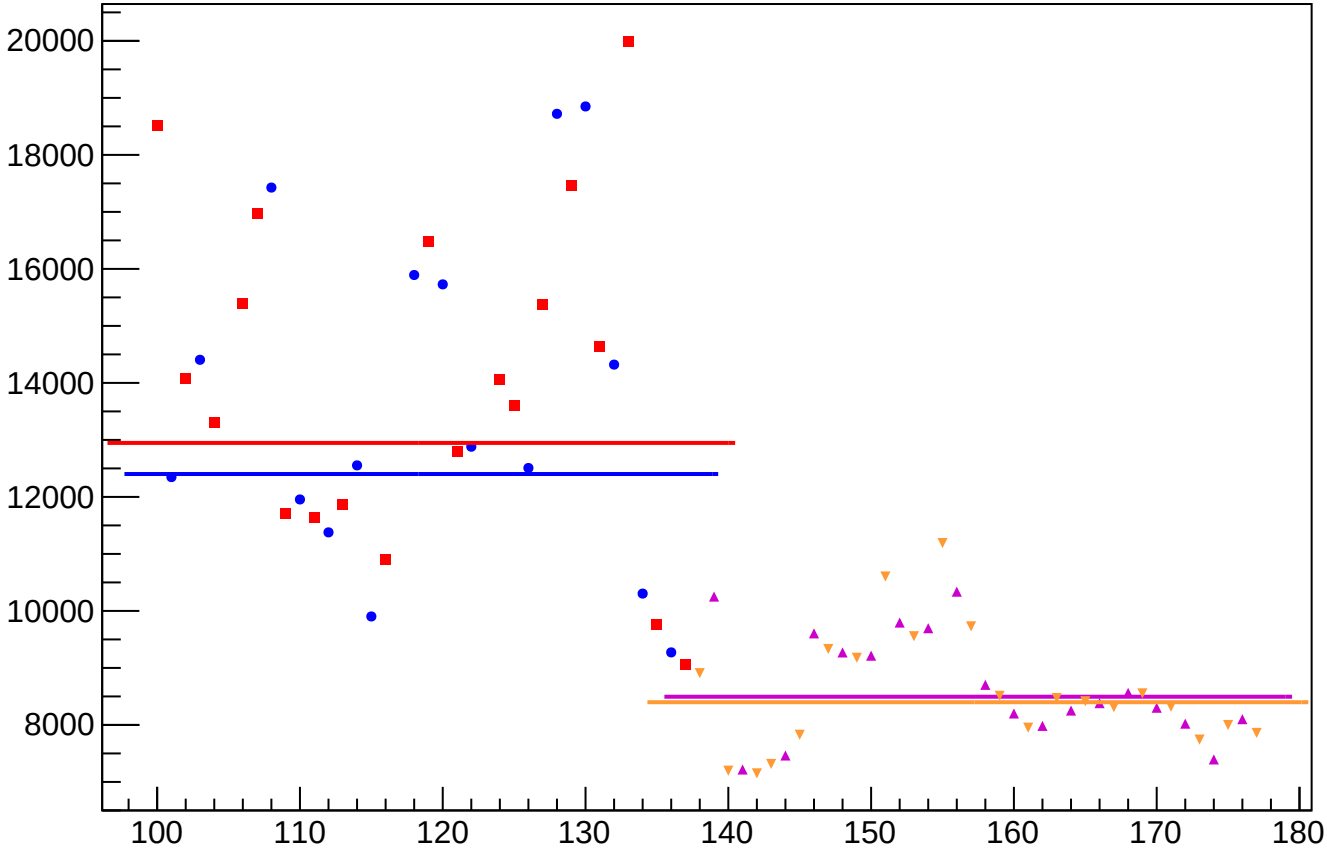
Right: 1.111+/-3.389 χ^2/NDF: 43.7/34

In: 0.538+/-1.975 χ^2/NDF:49.8/34

Out: -6.680+/-1.907 χ^2/NDF:85.8/39

All: -3.196+/-1.372 χ^2/NDF: 142.5/74

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 8398.569+/-1.467 χ^2/NDF:409477.7/20

Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

Left In: 8494.885+/-1.535 χ^2/NDF:352725.4/18

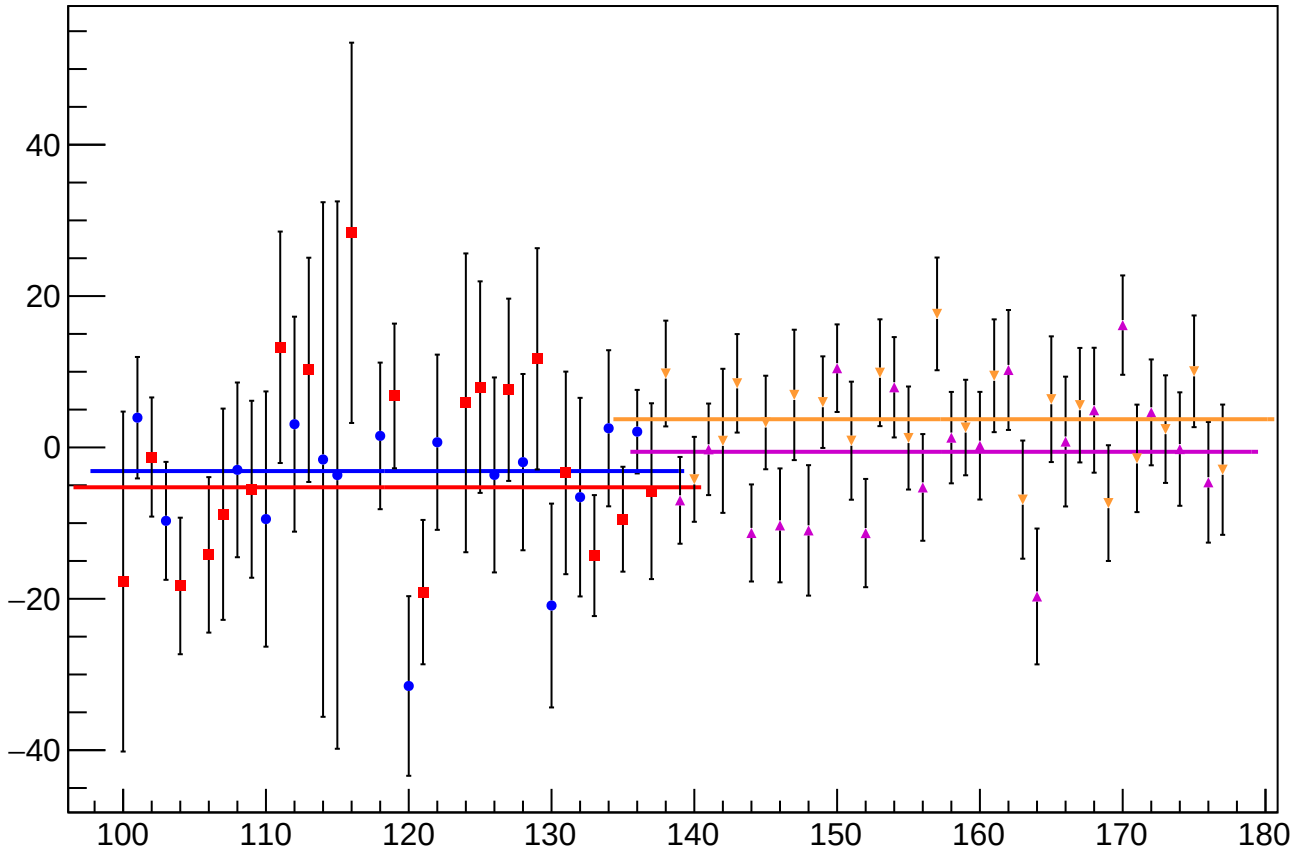
Left: 8444.549+/-1.061 χ^2/NDF: 764259.6/39

Right: 12669.304+/-2.397 χ^2/NDF: 1246455.4/34

In: 9170.616+/-1.396 χ^2/NDF:2150904.4/34

Out: 9105.049+/-1.349 χ^2/NDF:2456980.1/39

All: 9136.695+/-0.970 χ^2/NDF: 4609025.3/74



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 3.728+/-1.562 χ^2/NDF:14.8/20

Right Out: -5.265+/-2.553 χ^2/NDF: 16.9/18

Left In: -0.577+/-1.609 χ^2/NDF:29.5/18

Left: 1.640+/-1.120 χ^2/NDF: 48.0/39

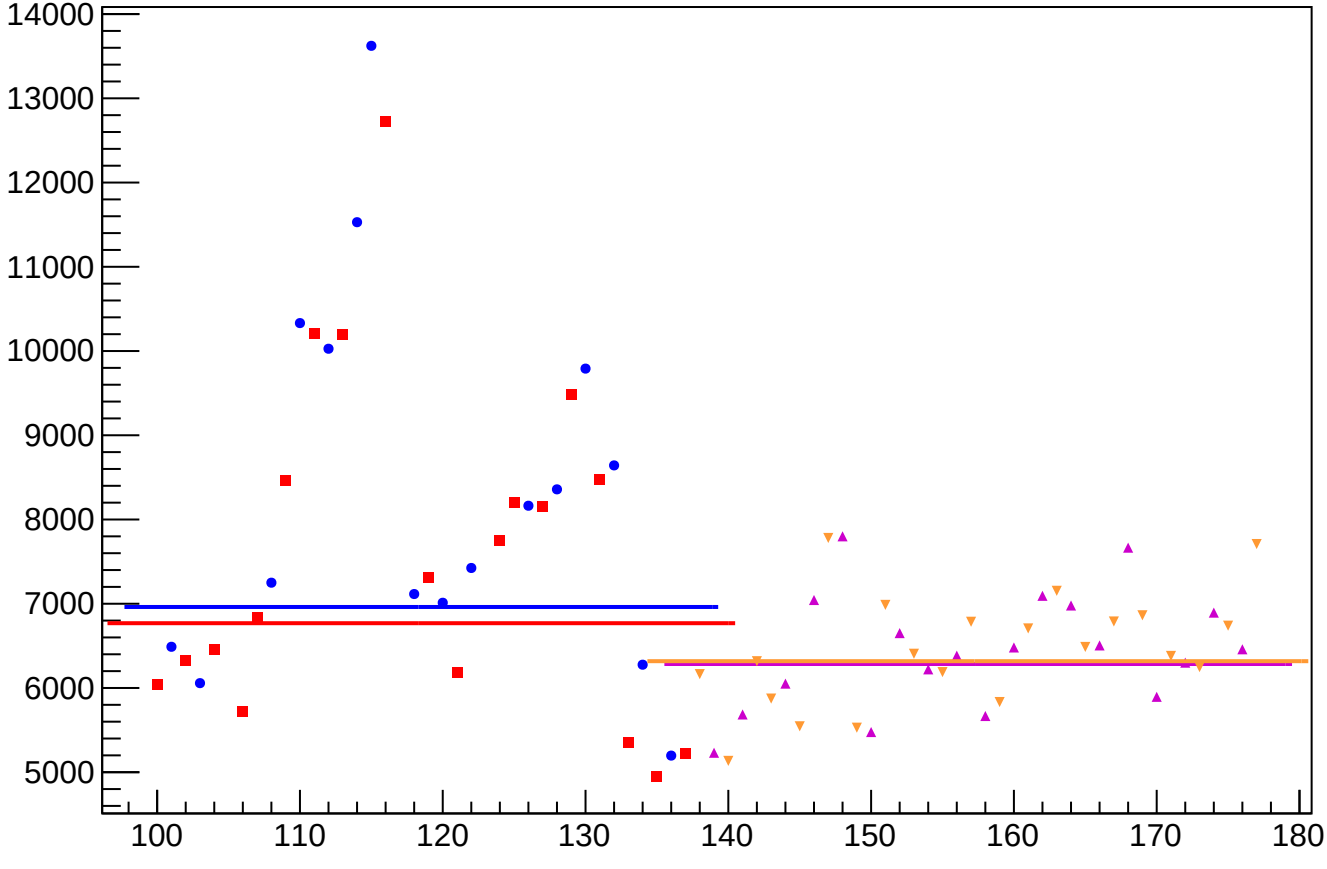
Right: -4.236+/-1.840 χ^2/NDF: 28.1/34

In: -1.260+/-1.376 χ^2/NDF:41.0/34

Out: 1.280+/-1.332 χ^2/NDF:40.7/39

All: 0.051+/-0.957 χ^2/NDF: 83.5/74

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 6318.090+/-1.104 χ^2/NDF:363866.8/20

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

Left In: 6284.642+/-1.137 χ^2/NDF:350653.0/18

Left: 6301.862+/-0.792 χ^2/NDF: 714965.0/39

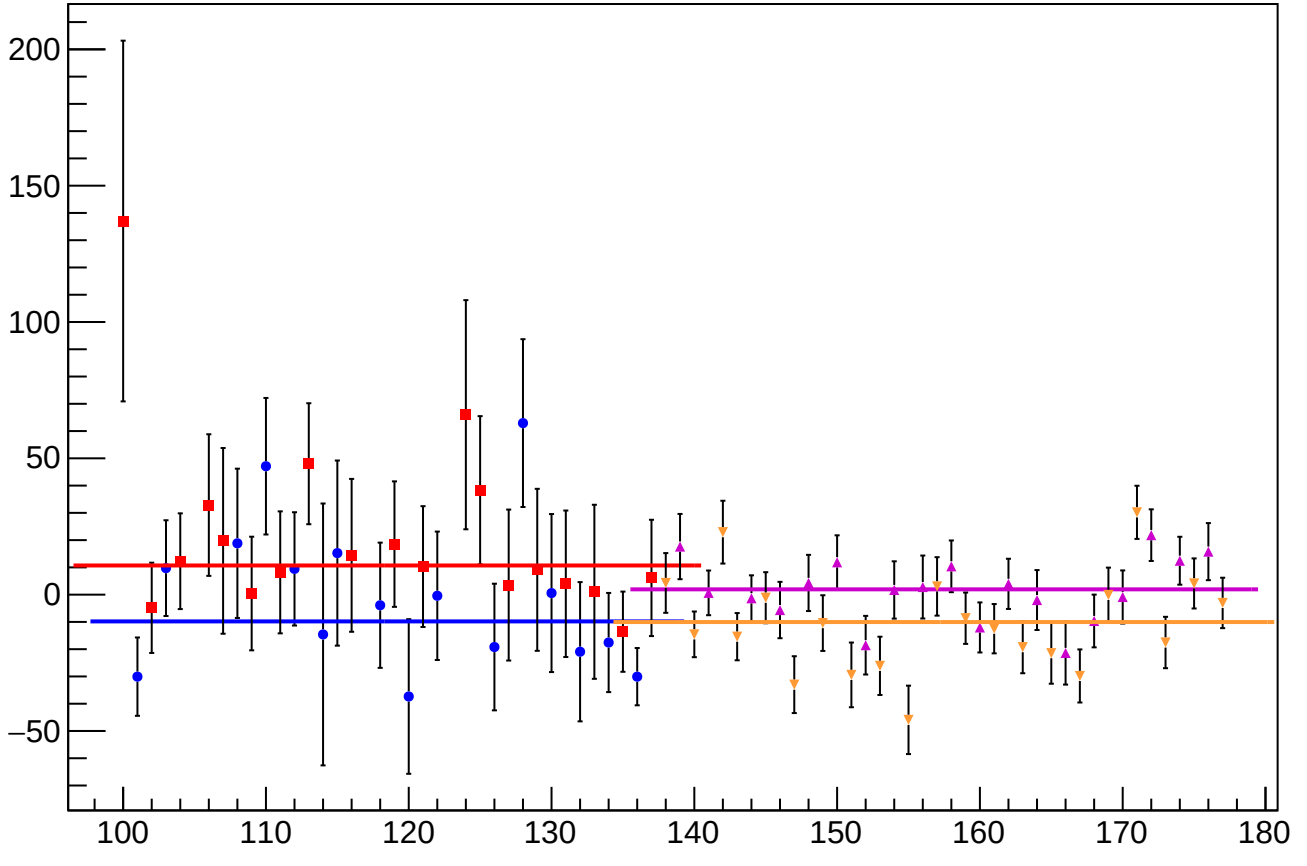
Right: 6861.506+/-1.301 χ^2/NDF: 1499983.0/34

In: 6466.359+/-0.973 χ^2/NDF:1142139.2/34

Out: 6440.860+/-0.942 χ^2/NDF:1207370.5/39

All: 6453.198+/-0.677 χ^2/NDF: 2349864.2/74

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -10.045+/-2.167 χ^2/NDF:58.7/20

Right Out: 10.703+/-5.381 χ^2/NDF: 14.3/18

Left In: 1.948+/-2.264 χ^2/NDF:23.5/18

Left: -4.309+/-1.566 χ^2/NDF: 96.9/39

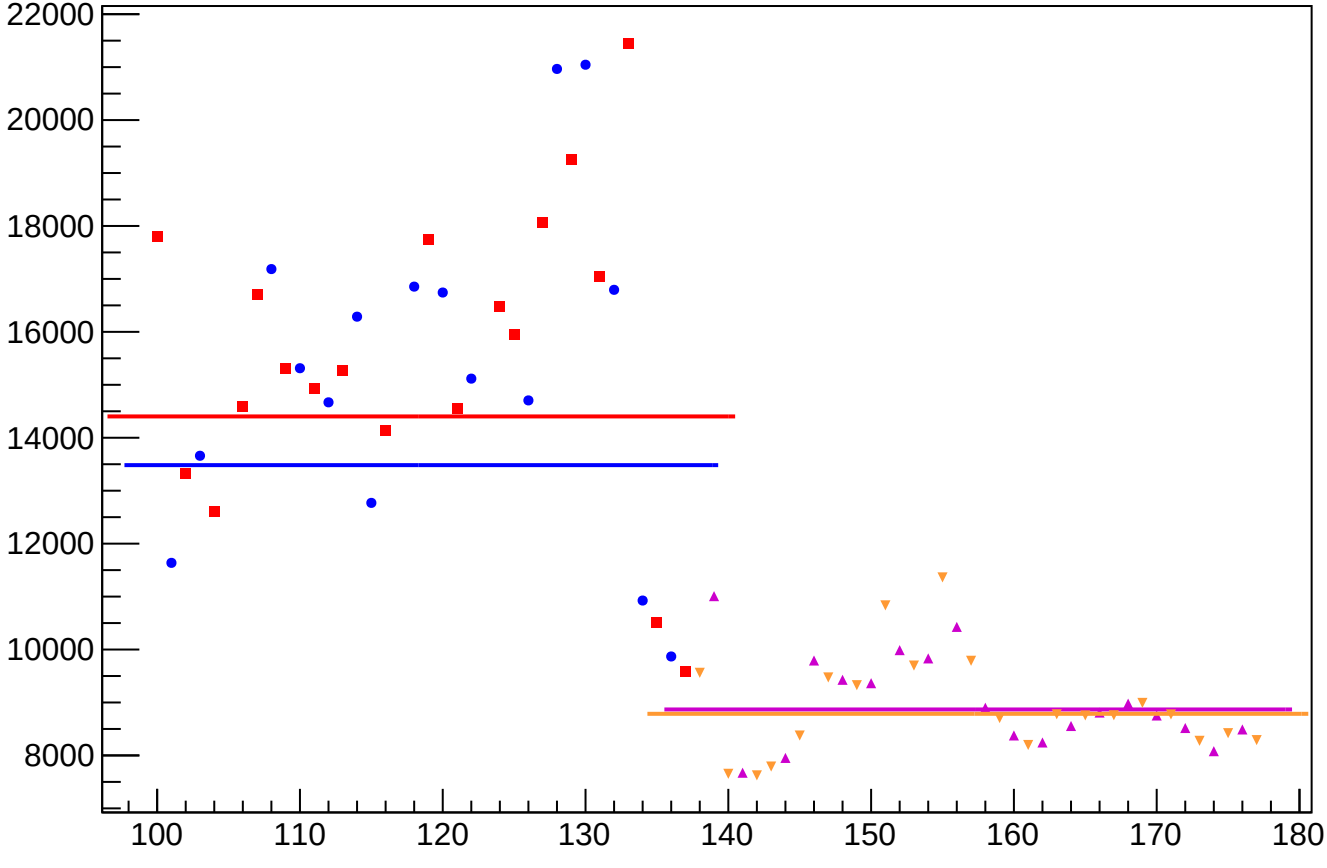
Right: 0.053+/-3.731 χ^2/NDF: 43.9/34

In: 0.061+/-2.074 χ^2/NDF:49.9/34

Out: -7.148+/-2.010 χ^2/NDF:85.8/39

All: -3.656+/-1.444 χ^2/NDF: 142.0/74

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8786.006+/-1.533 χ^2/NDF:311751.3/20

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

Left In: 8868.073+/-1.601 χ^2/NDF:270661.1/18

Left: 8825.258+/-1.107 χ^2/NDF: 583783.8/39

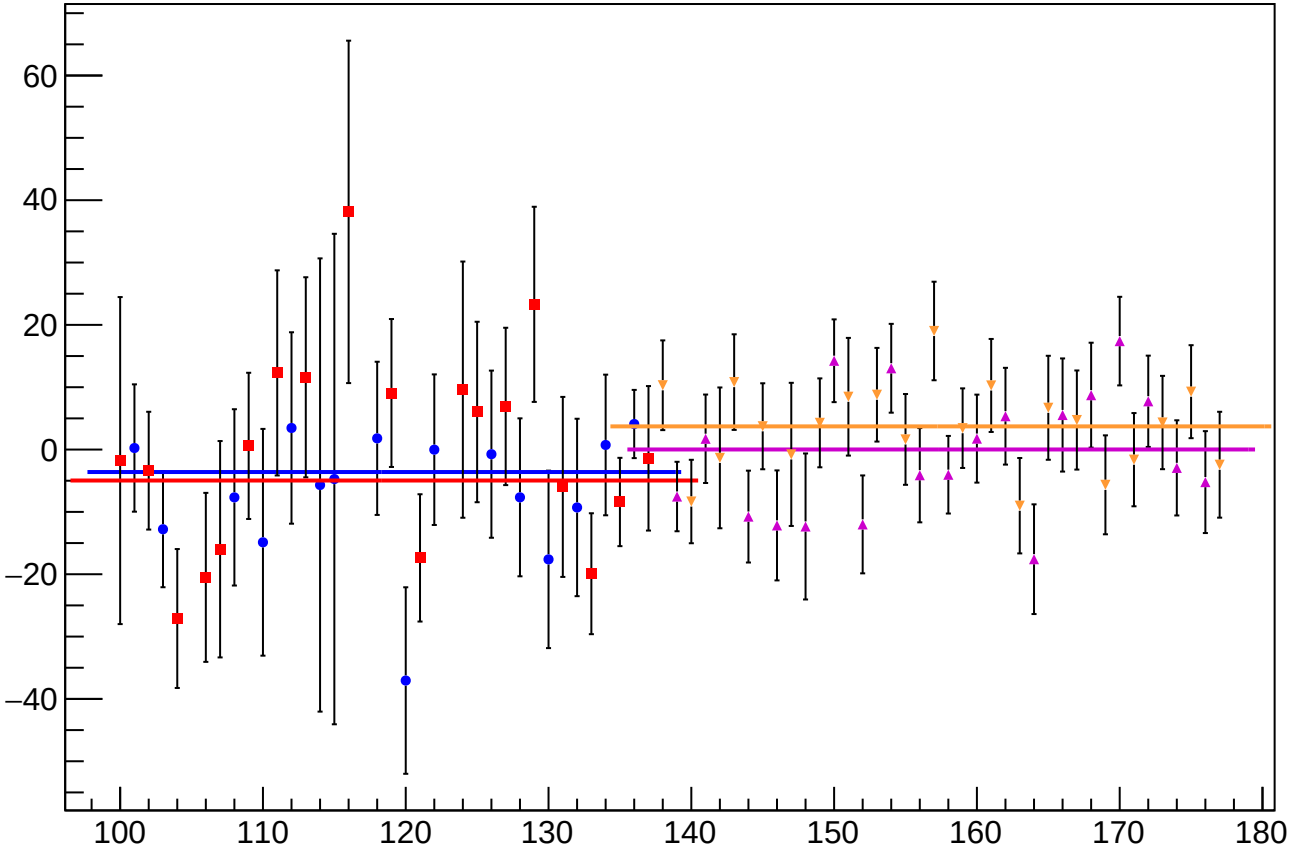
Right: 13925.139+/-2.638 χ^2/NDF: 1326477.7/34

In: 9608.569+/-1.467 χ^2/NDF:2348021.0/34

Out: 9570.201+/-1.422 χ^2/NDF:2739256.2/39

All: 9588.787+/-1.021 χ^2/NDF: 5087630.1/74

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 3.717+/-1.686 χ^2/NDF:16.5/20

Right Out: -4.965+/-2.855 χ^2/NDF: 21.4/18

Left In: 0.013+/-1.717 χ^2/NDF:31.7/18

Left: 1.900+/-1.203 χ^2/NDF: 50.6/39

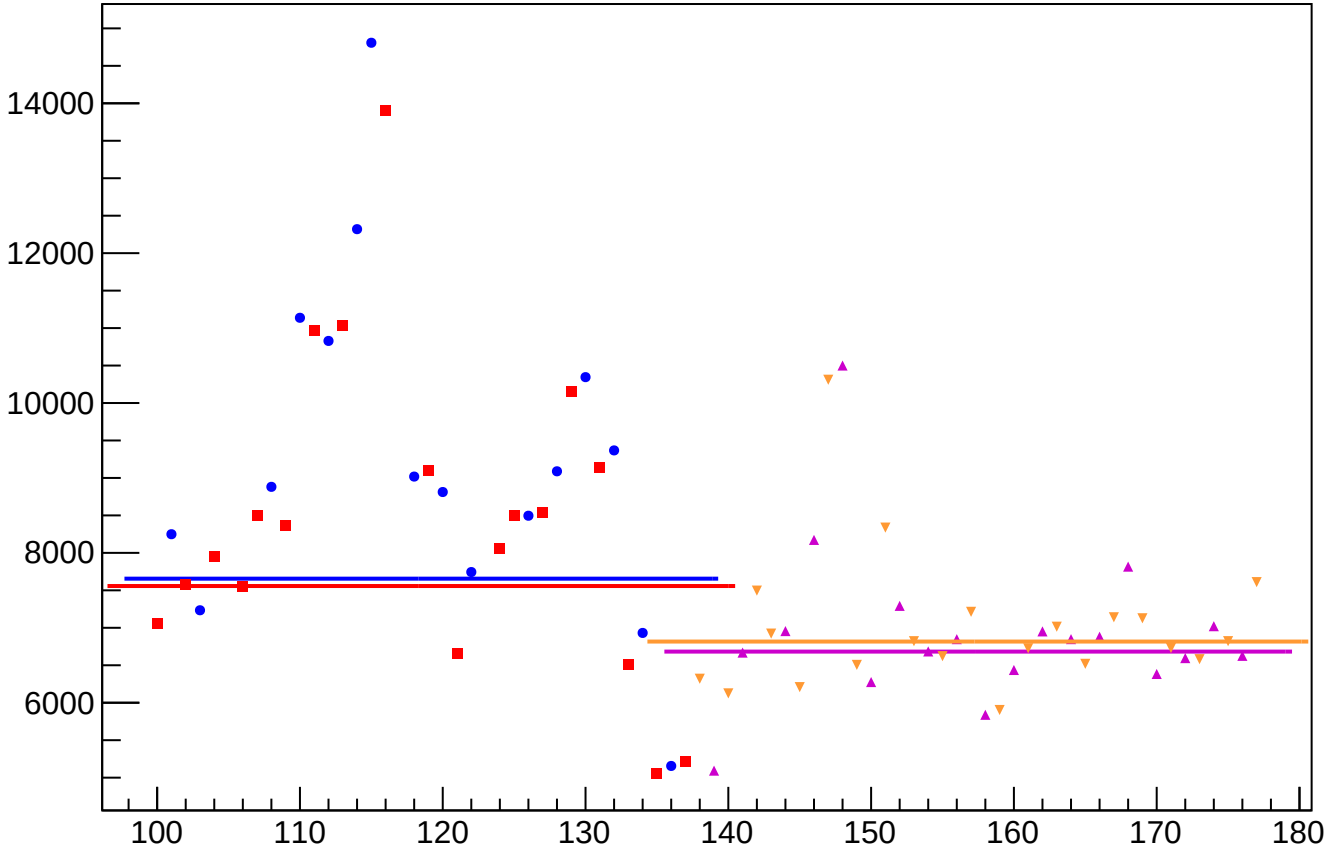
Right: -4.305+/-2.048 χ^2/NDF: 32.0/34

In: -0.907+/-1.483 χ^2/NDF:43.3/34

Out: 1.473+/-1.452 χ^2/NDF:44.8/39

All: 0.308+/-1.037 χ^2/NDF: 89.4/74

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6816.448+/-1.192 χ^2/NDF:372688.9/20

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

Left In: 6682.426+/-1.214 χ^2/NDF:543086.0/18

Left: 6750.677+/-0.851 χ^2/NDF: 921976.9/39

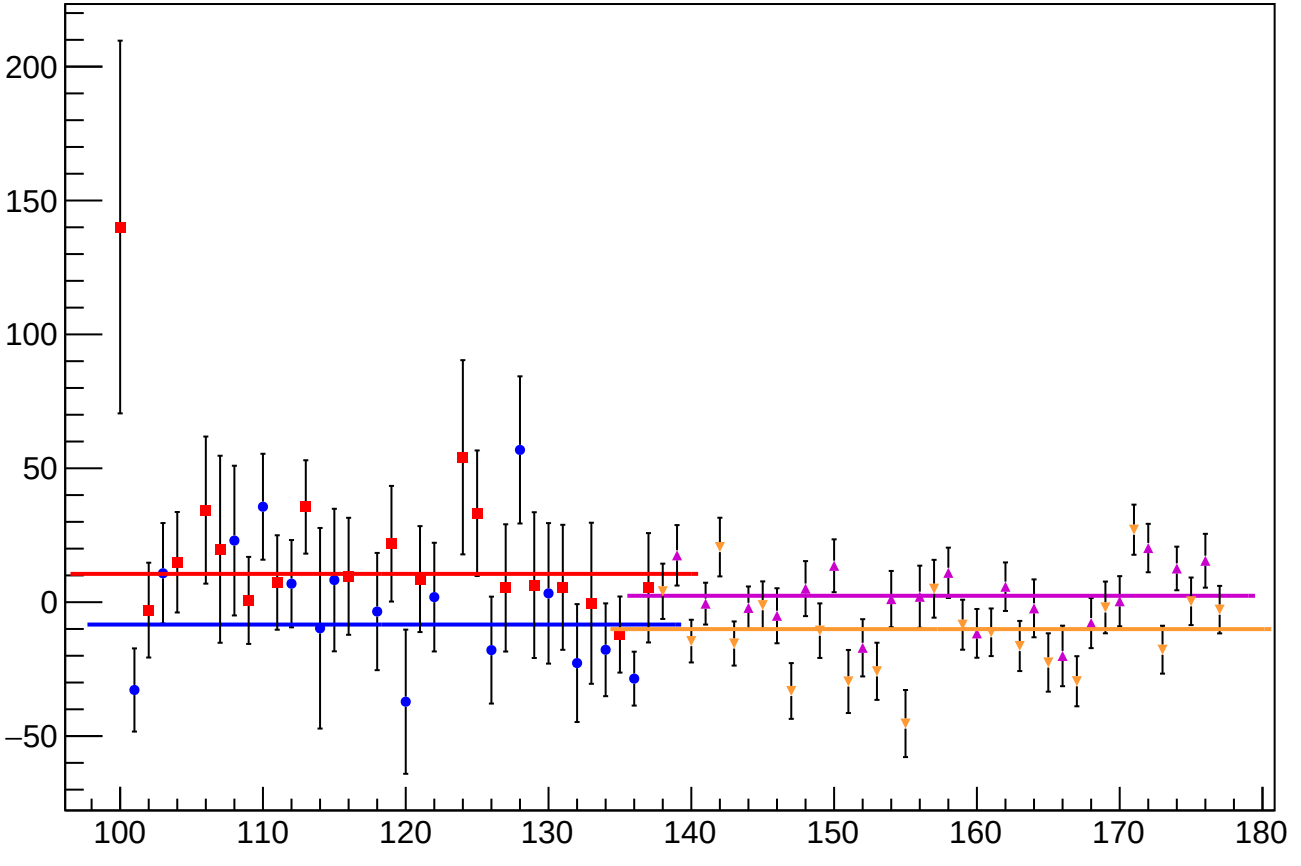
Right: 7605.240+/-1.448 χ^2/NDF: 1690781.9/34

In: 6930.106+/-1.049 χ^2/NDF:1586325.6/34

Out: 7008.016+/-1.027 χ^2/NDF:1282431.2/39

All: 6969.889+/-0.734 χ^2/NDF: 2871575.5/74

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -10.053+/-2.103 χ^2/NDF:56.5/20

Right Out: 10.573+/-4.911 χ^2/NDF: 12.9/18

Left In: 2.394+/-2.202 χ^2/NDF:23.3/18

Left: -4.113+/-1.521 χ^2/NDF: 96.6/39

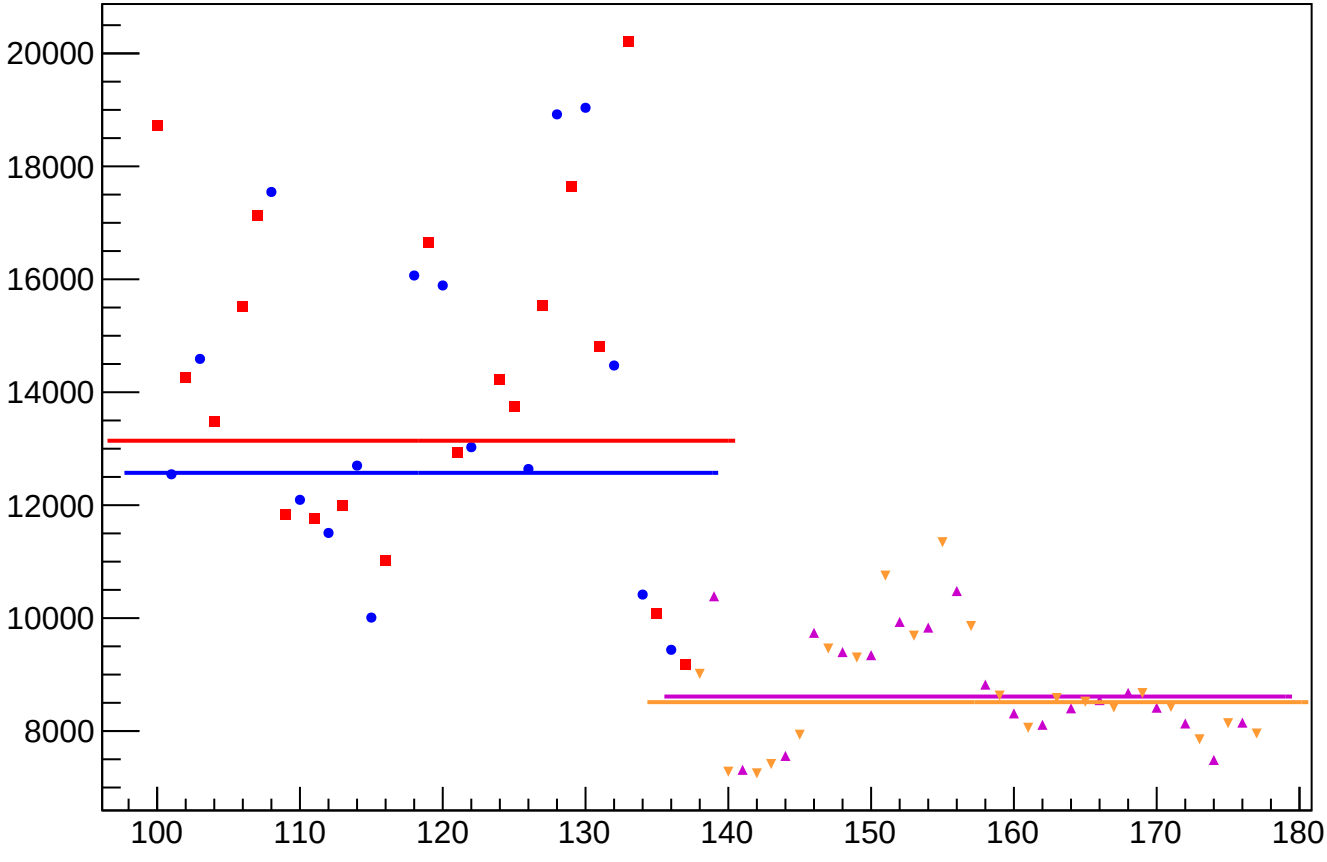
Right: 0.922+/-3.438 χ^2/NDF: 43.7/34

In: 0.535+/-2.002 χ^2/NDF:50.7/34

Out: -6.855+/-1.933 χ^2/NDF:84.3/39

All: -3.289+/-1.391 χ^2/NDF: 142.1/74

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 8511.760+/-1.487 χ^2/NDF:410321.7/20

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

Left In: 8611.158+/-1.557 χ^2/NDF:354369.6/18

Left: 8559.192+/-1.075 χ^2/NDF: 766822.7/39

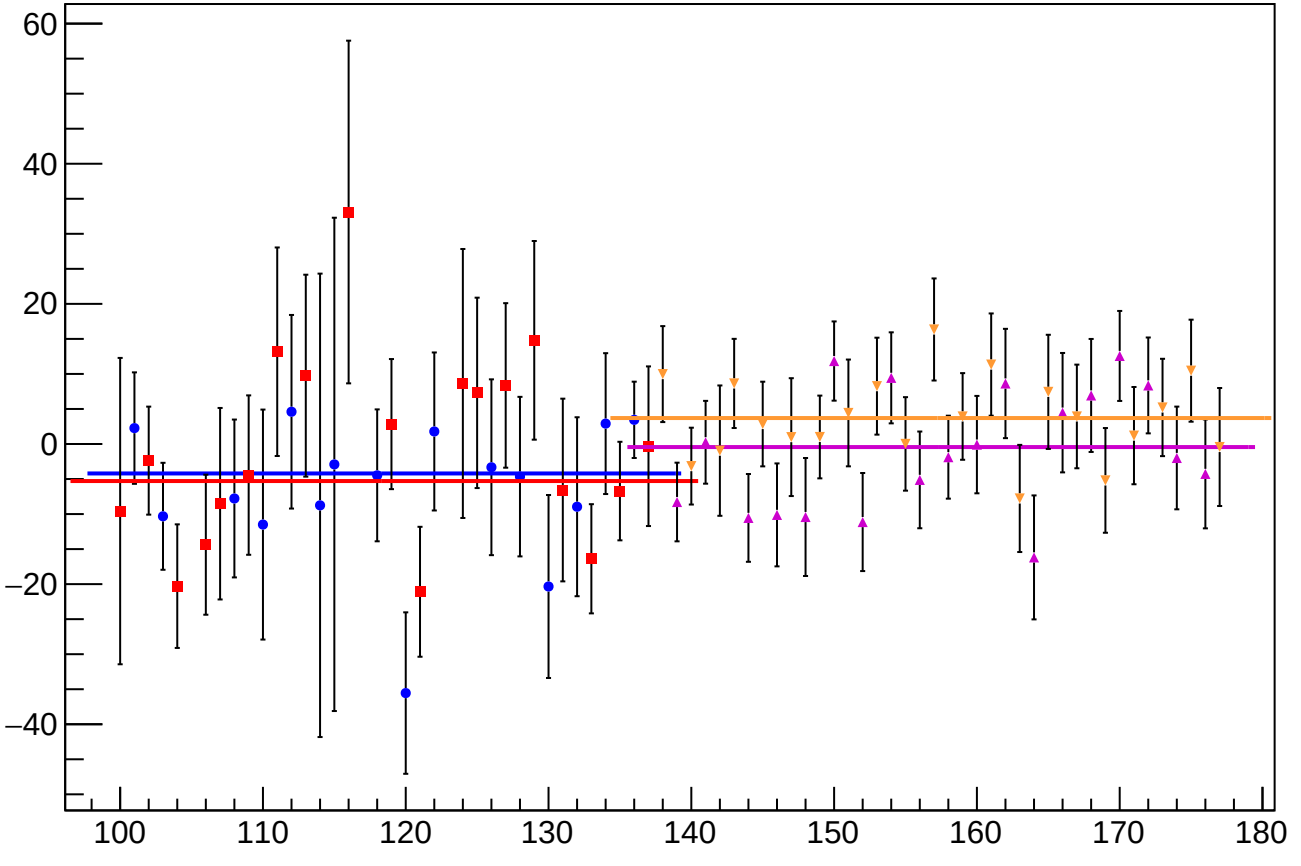
Right: 12851.222+/-2.431 χ^2/NDF: 1213428.5/34

In: 9296.443+/-1.416 χ^2/NDF:2139551.8/34

Out: 9229.362+/-1.367 χ^2/NDF:2446886.4/39

All: 9261.733+/-0.983 χ^2/NDF: 4587599.9/74

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 3.704+/-1.528 χ^2/NDF:13.6/20

Right Out: -5.288+/-2.502 χ^2/NDF: 19.7/18

Left In: -0.438+/-1.575 χ^2/NDF:29.3/18

Left: 1.695+/-1.097 χ^2/NDF: 46.5/39

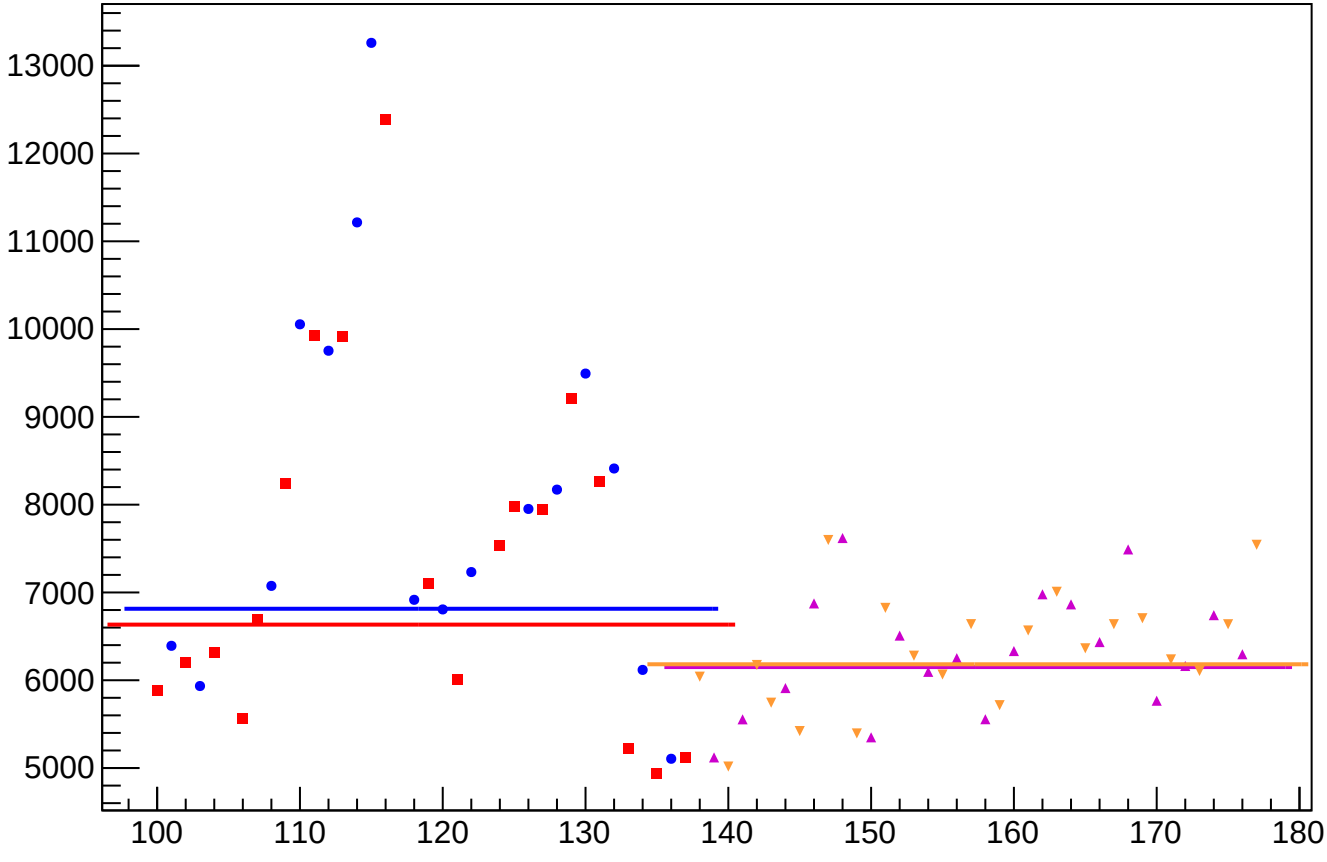
Right: -4.767+/-1.803 χ^2/NDF: 33.7/34

In: -1.448+/-1.347 χ^2/NDF:44.7/34

Out: 1.261+/-1.304 χ^2/NDF:42.8/39

All: -0.050+/-0.937 χ^2/NDF: 89.6/74

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 6181.988+/-1.081 χ^2/NDF:366837.7/20

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

Left In: 6150.239+/-1.114 χ^2/NDF:352211.9/18

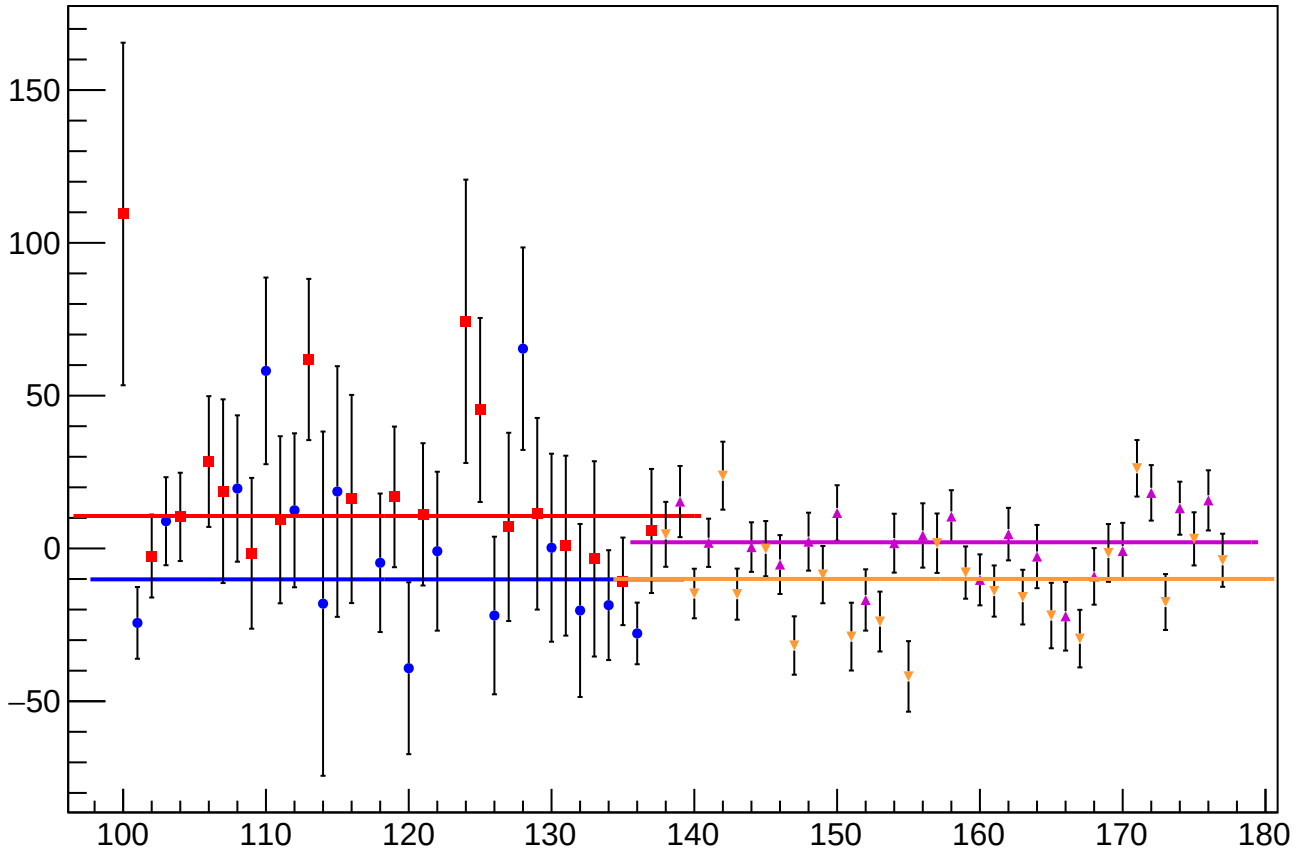
Left: 6166.590+/-0.775 χ^2/NDF: 719468.2/39

Right: 6720.509+/-1.275 χ^2/NDF: 1442449.8/34

In: 6328.428+/-0.952 χ^2/NDF:1121731.6/34

Out: 6304.714+/-0.922 χ^2/NDF:1177661.9/39

All: 6316.188+/-0.663 χ^2/NDF: 2299713.4/74



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -9.977+/-2.044 χ^2/NDF:58.1/20

Right Out: 10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: 2.024+/-2.131 χ^2/NDF:23.0/18

Left: -4.227+/-1.475 χ^2/NDF: 97.6/39

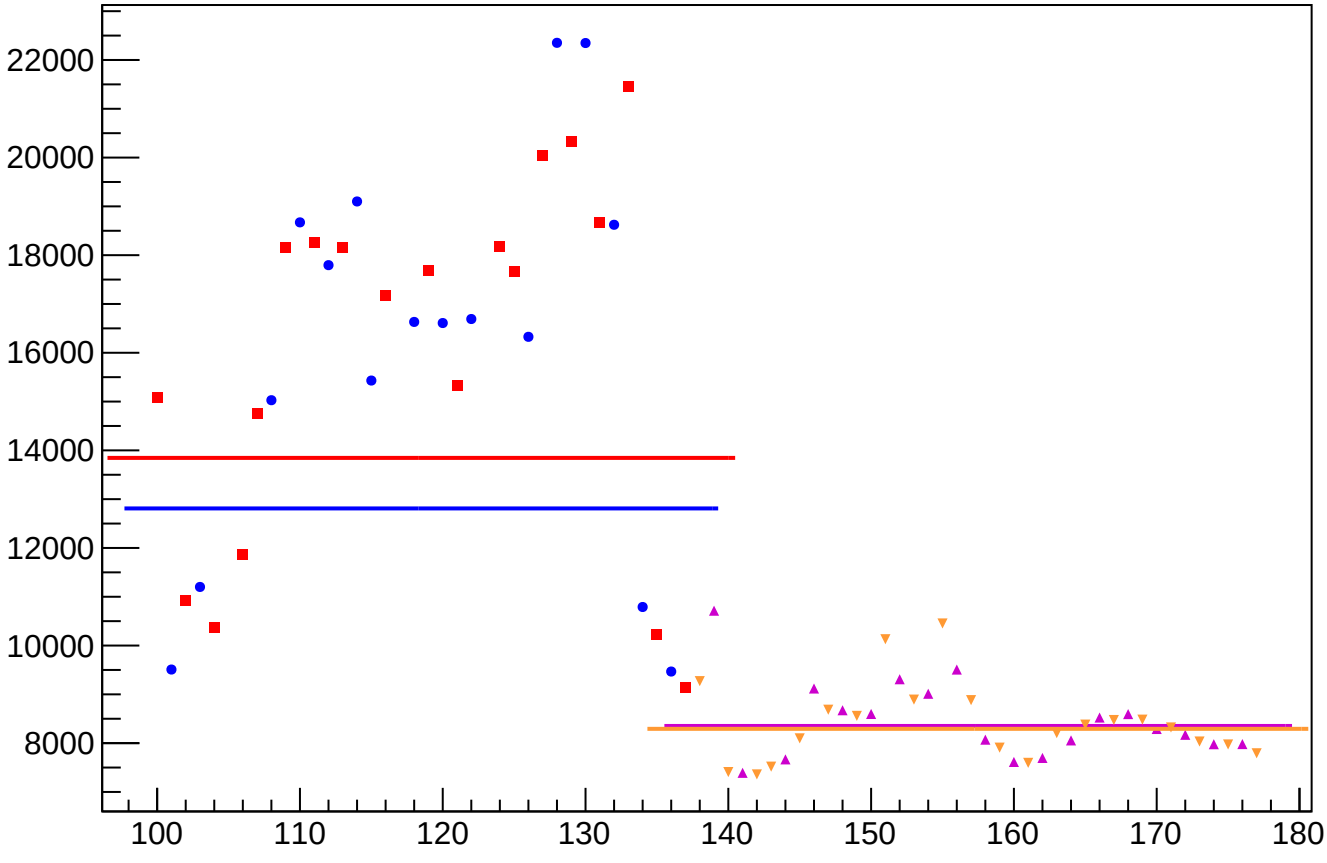
Right: -0.267+/-3.636 χ^2/NDF: 44.1/34

In: 0.169+/-1.961 χ^2/NDF:49.2/34

Out: -7.289+/-1.906 χ^2/NDF:86.1/39

All: -3.667+/-1.367 χ^2/NDF: 142.8/74

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 12809.964+/-3.548 χ^2/NDF: 1248252.1/15

Left Out: 8293.228+/-1.445 χ^2/NDF:248268.3/20

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

Left In: 8352.106+/-1.507 χ^2/NDF:234567.5/18

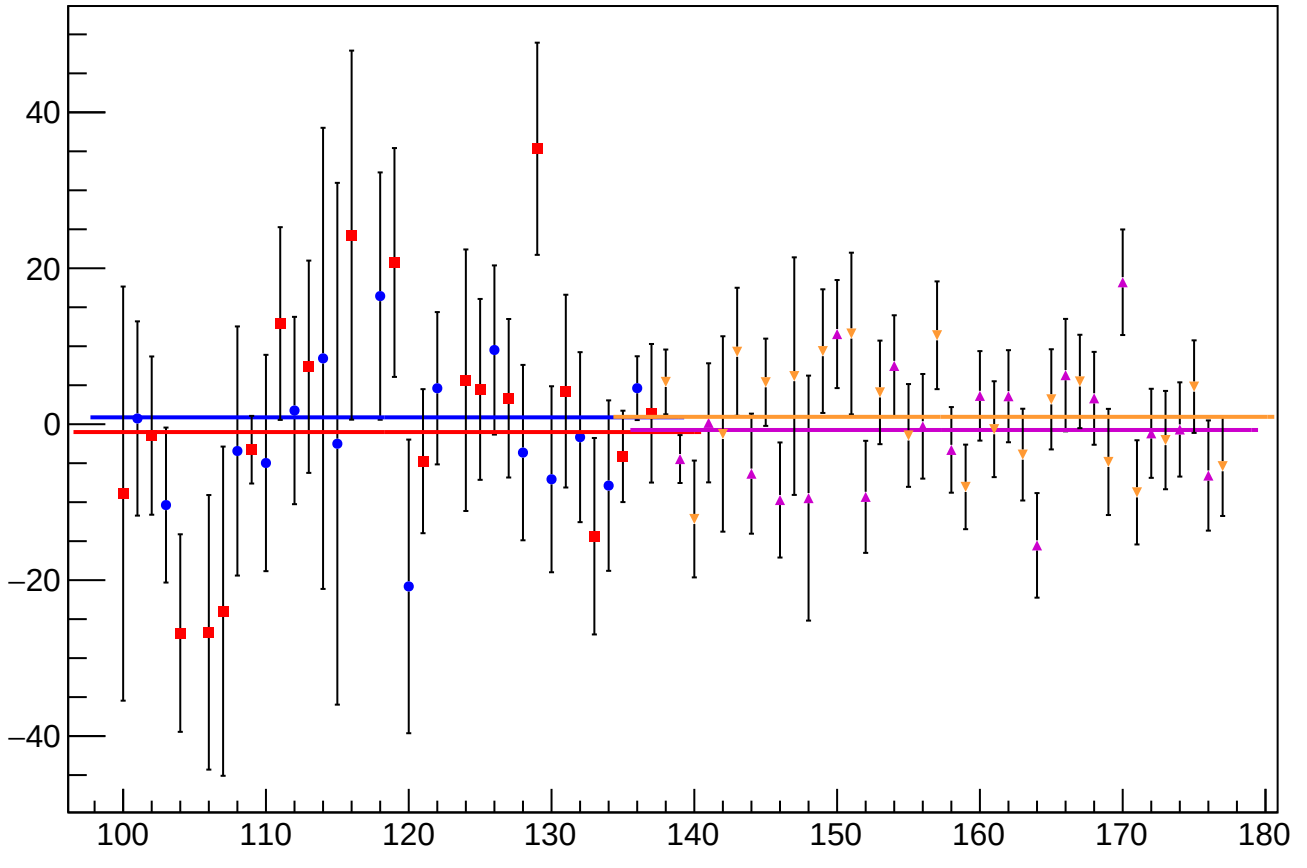
Left: 8321.438+/-1.043 χ^2/NDF: 483631.0/39

Right: 13301.707+/-2.571 χ^2/NDF: 2385270.2/34

In: 9033.408+/-1.387 χ^2/NDF:2820414.5/34

Out: 9017.573+/-1.348 χ^2/NDF:3270401.5/39

All: 9025.263+/-0.967 χ^2/NDF: 6090883.1/74



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 0.946+/-1.431 χ^2/NDF:19.5/20

Right Out: -1.006+/-2.314 χ^2/NDF: 22.3/18

Left In: -0.740+/-1.400 χ^2/NDF:26.1/18

Left: 0.085+/-1.001 χ^2/NDF: 46.3/39

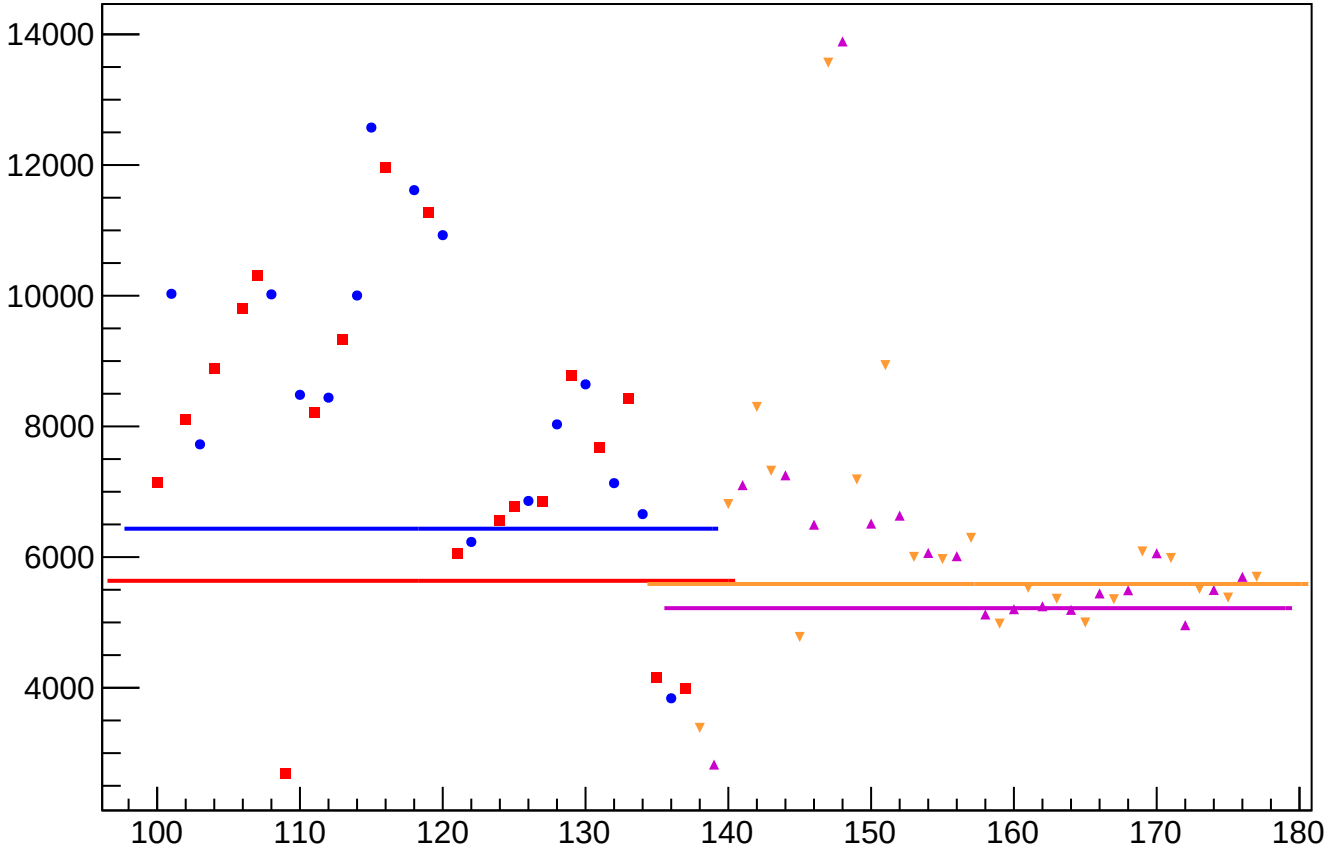
Right: -0.159+/-1.718 χ^2/NDF: 29.4/34

In: -0.368+/-1.229 χ^2/NDF:33.3/34

Out: 0.406+/-1.217 χ^2/NDF:42.3/39

All: 0.023+/-0.865 χ^2/NDF: 75.8/74

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 5588.785+/-1.012 χ^2/NDF:1782733.1/20

Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 5218.660+/-0.990 χ^2/NDF:2408860.2/18

Left: 5399.704+/-0.708 χ^2/NDF: 4259964.5/39

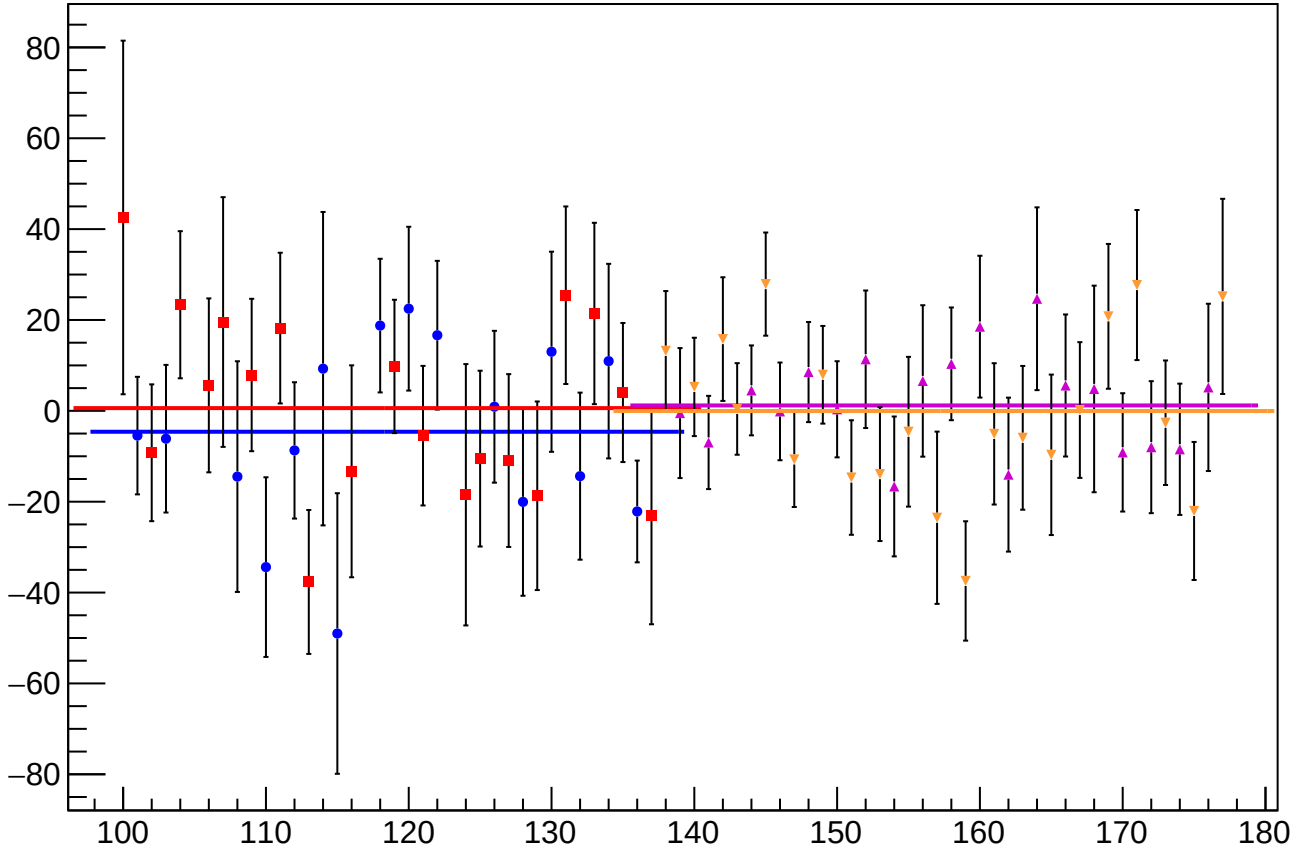
Right: 5994.862+/-1.215 χ^2/NDF: 4437091.5/34

In: 5497.581+/-0.869 χ^2/NDF:4505503.8/34

Out: 5602.216+/-0.861 χ^2/NDF:4363383.9/39

All: 5550.416+/-0.611 χ^2/NDF: 8876207.6/74

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: -0.035+/-2.969 χ^2/NDF:30.8/20

Right Out: 0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: 1.189+/-3.108 χ^2/NDF:8.7/18

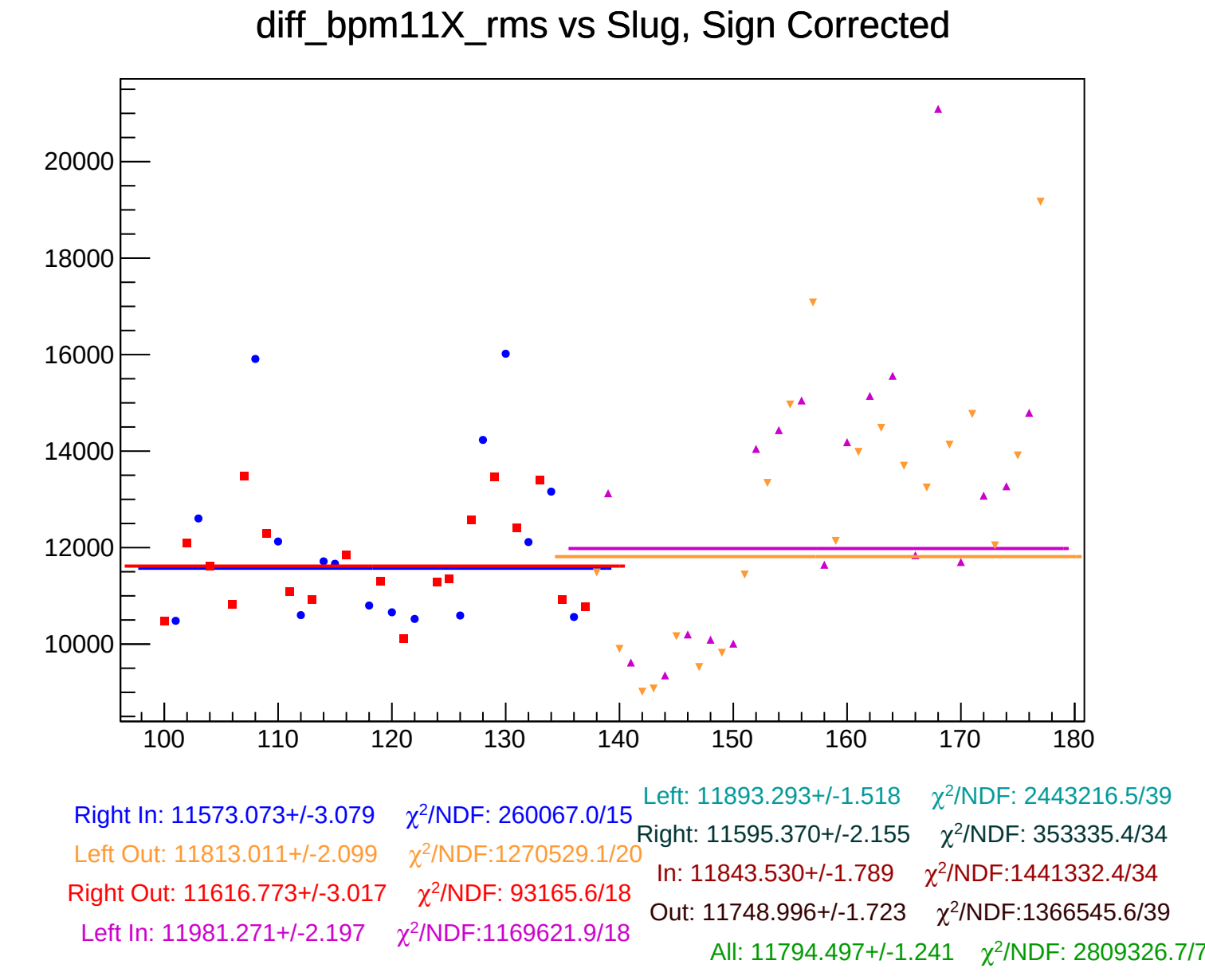
Left: 0.549+/-2.147 χ^2/NDF: 39.6/39

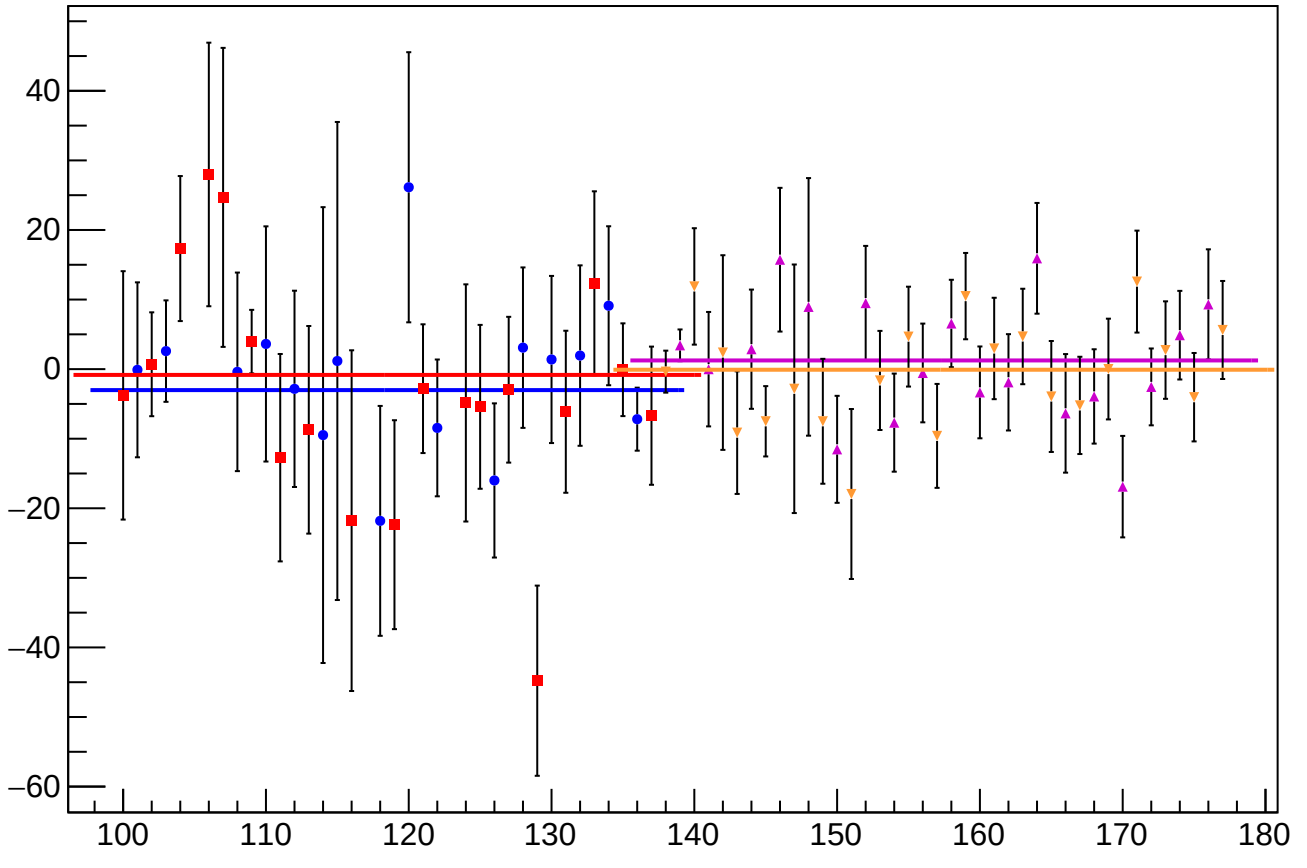
Right: -1.948+/-3.048 χ^2/NDF: 34.4/34

In: -0.765+/-2.530 χ^2/NDF:25.6/34

Out: 0.172+/-2.437 χ^2/NDF:48.7/39

All: -0.279+/-1.755 χ^2/NDF: 74.4/74


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: 11813.011+/-2.099 χ²/NDF:1270529.1/20
Right Out: 11616.773+/-3.017 χ²/NDF: 93165.6/18
Left In: 11981.271+/-2.197 χ²/NDF:1169621.9/18
Left: 11893.293+/-1.518 χ²/NDF: 2443216.5/39
Right: 11595.370+/-2.155 χ²/NDF: 353335.4/34
In: 11843.530+/-1.789 χ²/NDF:1441332.4/34
Out: 11748.996+/-1.723 χ²/NDF:1366545.6/39
All: 11794.497+/-1.241 χ²/NDF: 2809326.7/7



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: -0.088+/-1.465 χ^2/NDF:18.8/20

Right Out: -0.831+/-2.352 χ^2/NDF: 23.8/18

Left In: 1.250+/-1.390 χ^2/NDF:22.8/18

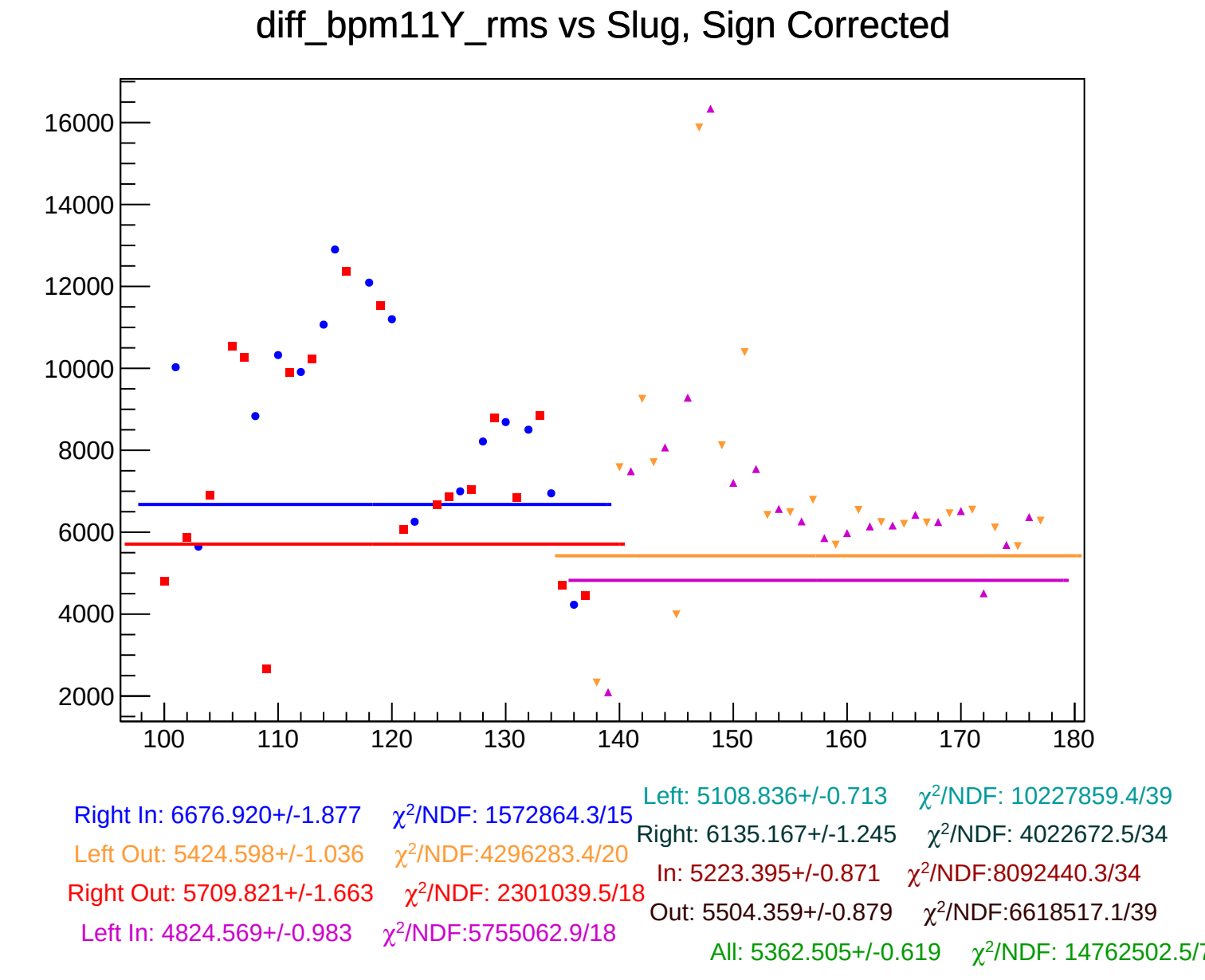
Left: 0.616+/-1.008 χ^2/NDF: 42.0/39

Right: -1.791+/-1.760 χ^2/NDF: 32.9/34

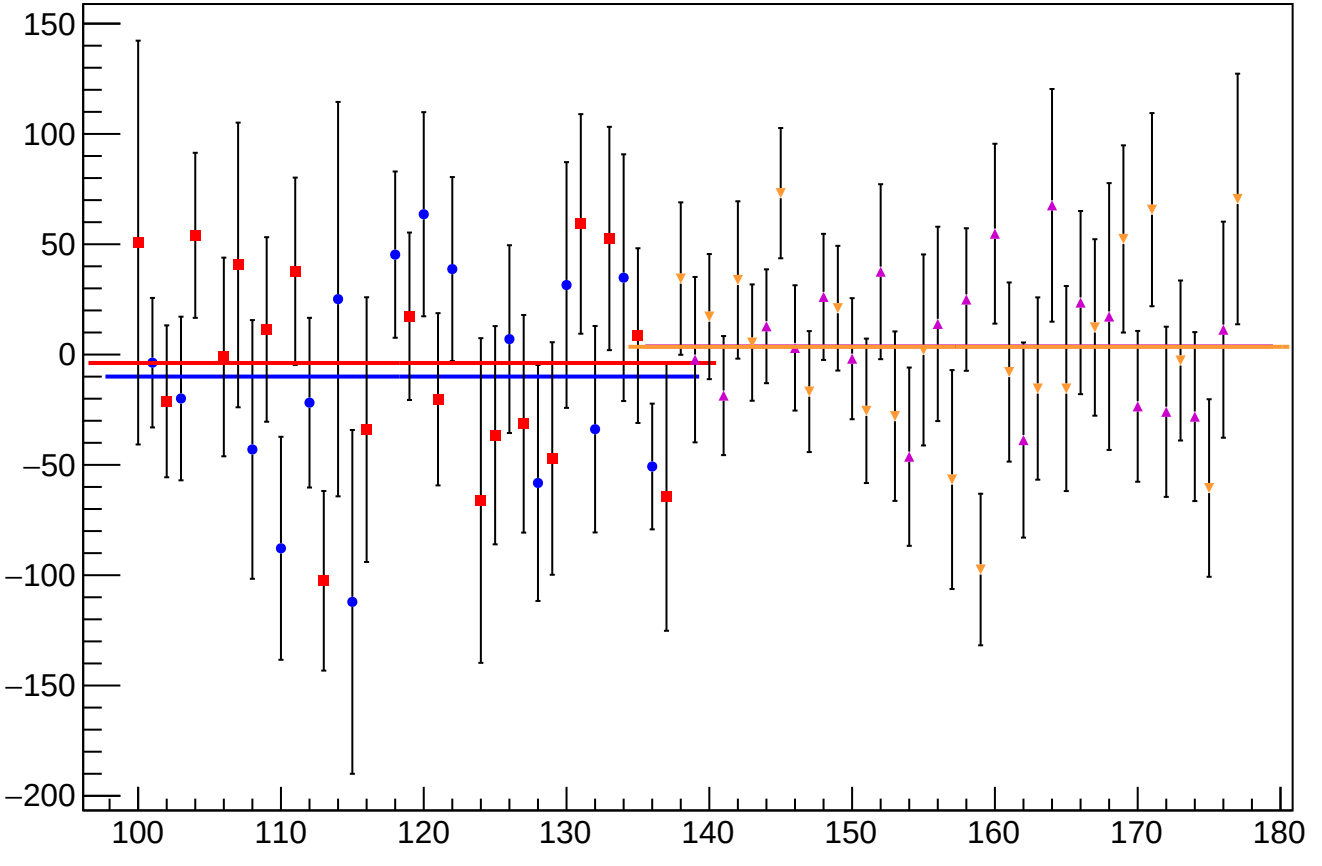
In: 0.332+/-1.231 χ^2/NDF:33.4/34

Out: -0.296+/-1.244 χ^2/NDF:42.7/39

All: 0.021+/-0.875 χ^2/NDF: 76.2/74


diff_bpm11Y_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
170
180
Right In: 6676.920+/-1.877 χ²/NDF: 1572864.3/15
Left Out: 5424.598+/-1.036 χ²/NDF:4296283.4/20
Right Out: 5709.821+/-1.663 χ²/NDF: 2301039.5/18
Left In: 4824.569+/-0.983 χ²/NDF:5755062.9/18
Left: 5108.836+/-0.713 χ²/NDF: 10227859.4/39
Right: 6135.167+/-1.245 χ²/NDF: 4022672.5/34
In: 5223.395+/-0.871 χ²/NDF:8092440.3/34
Out: 5504.359+/-0.879 χ²/NDF:6618517.1/39
All: 5362.505+/-0.619 χ²/NDF: 14762502.5/7

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 3.518+/-7.790 χ^2/NDF:27.6/20

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 3.710+/-8.150 χ^2/NDF:10.4/18

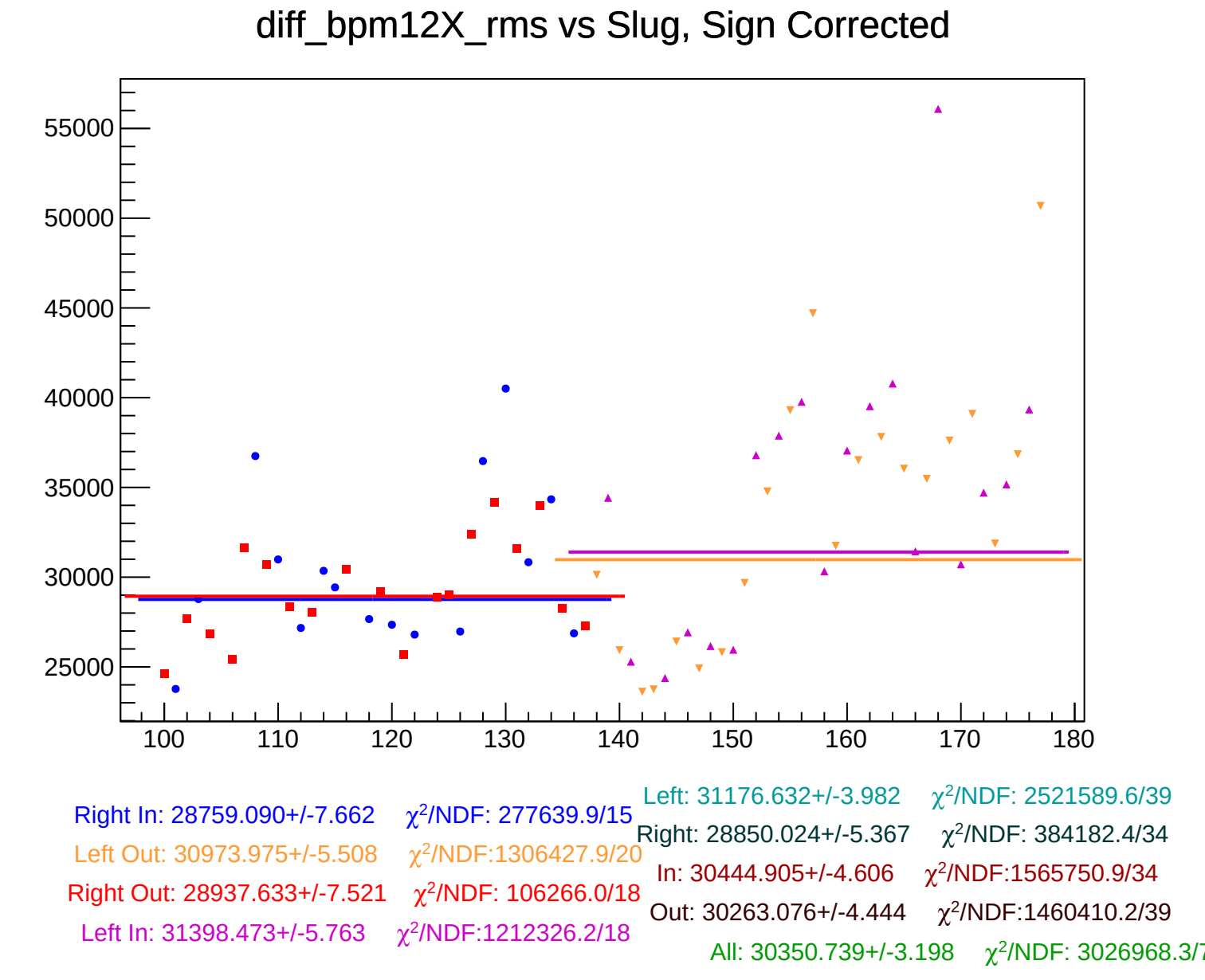
Left: 3.609+/-5.631 χ^2/NDF: 38.0/39

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

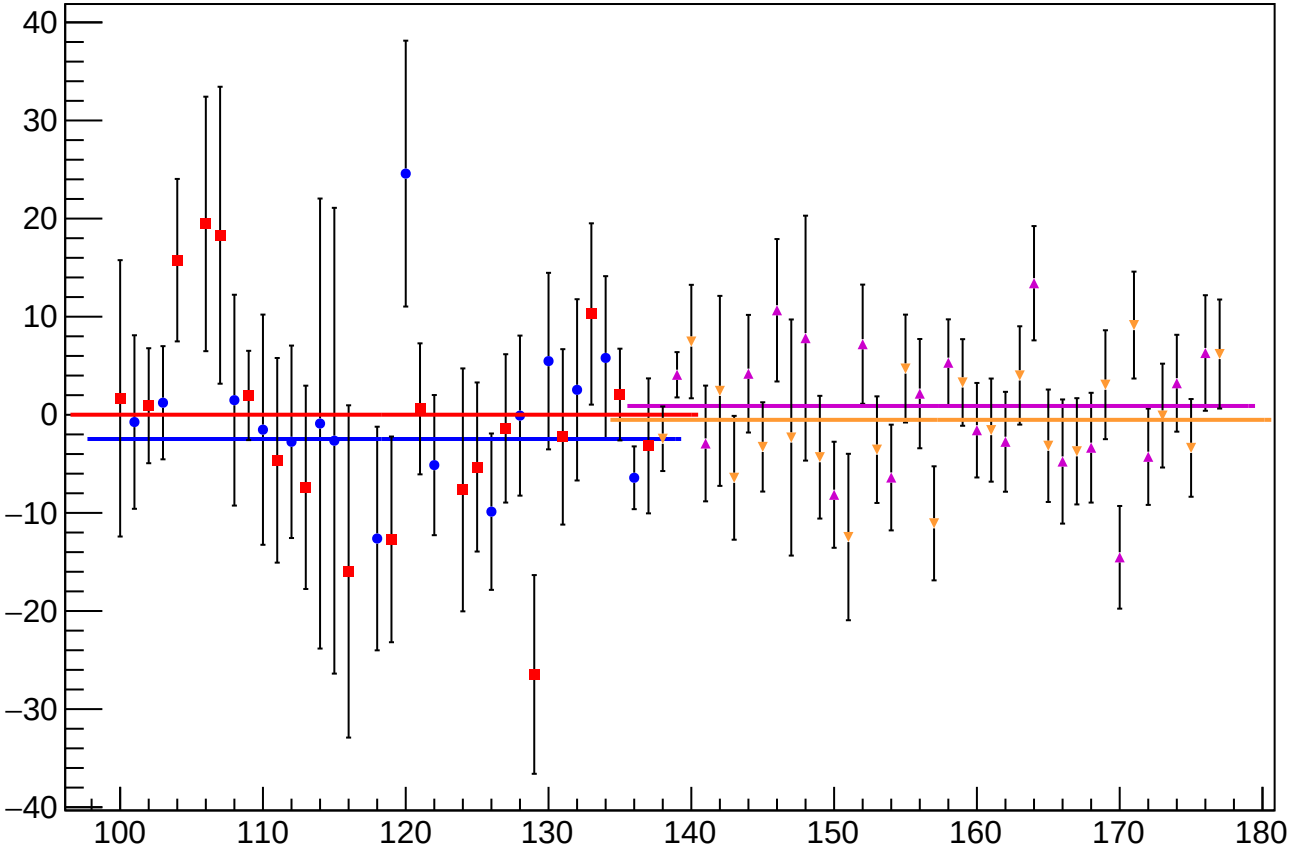
In: -1.232+/-6.513 χ^2/NDF:26.7/34

Out: 0.958+/-6.284 χ^2/NDF:45.2/39

All: -0.098+/-4.523 χ^2/NDF: 72.0/74


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: 30973.975+/-5.508 χ²/NDF:1306427.9/20
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 31398.473+/-5.763 χ²/NDF:1212326.2/18
Left: 31176.632+/-3.982 χ²/NDF: 2521589.6/39
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 30444.905+/-4.606 χ²/NDF:1565750.9/34
Out: 30263.076+/-4.444 χ²/NDF:1460410.2/39
All: 30350.739+/-3.198 χ²/NDF: 3026968.3/7

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -0.515+/-1.182 χ^2/NDF:18.0/20

Right Out: 0.009+/-1.828 χ^2/NDF: 20.0/18

Left In: 0.900+/-1.144 χ^2/NDF:29.1/18

Left: 0.216+/-0.822 χ^2/NDF: 47.8/39

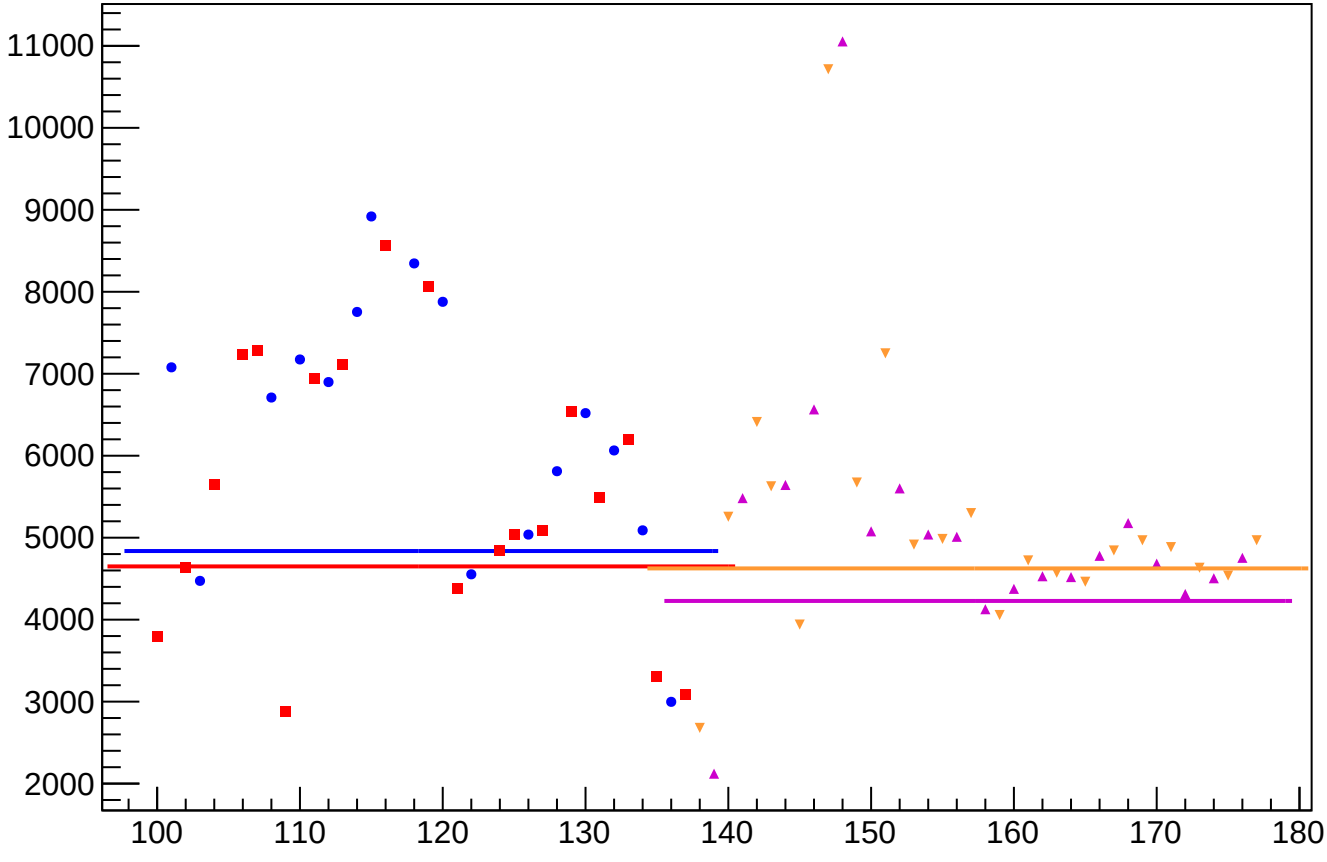
Right: -1.171+/-1.323 χ^2/NDF: 30.9/34

In: 0.015+/-0.982 χ^2/NDF:41.4/34

Out: -0.360+/-0.993 χ^2/NDF:38.0/39

All: -0.170+/-0.698 χ^2/NDF: 79.5/74

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 4625.169+/-0.836 χ^2/NDF:1746006.5/20

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

Left In: 4228.276+/-0.809 χ^2/NDF:3035424.9/18

Left: 4420.140+/-0.581 χ^2/NDF: 4897892.6/39

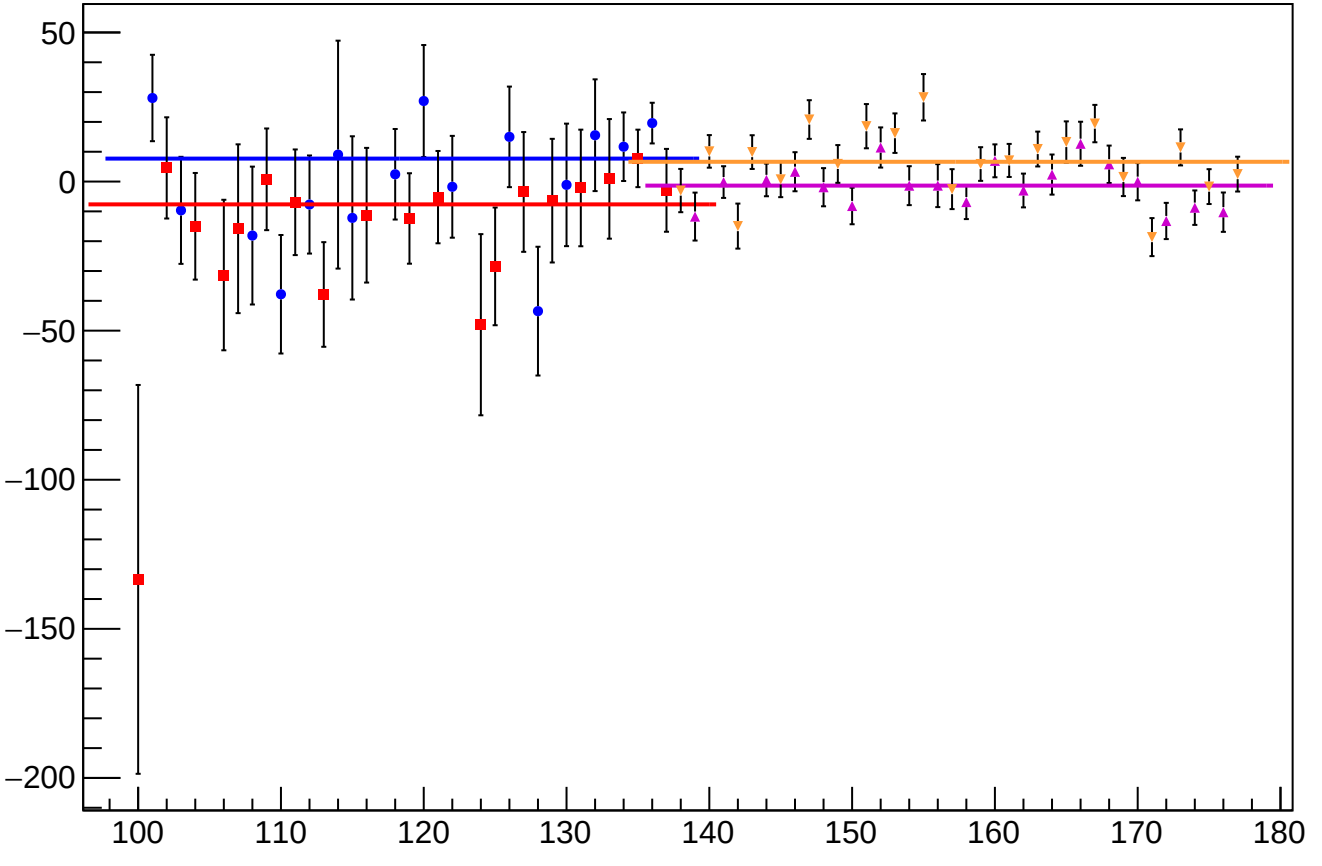
Right: 4739.013+/-0.935 χ^2/NDF: 2992350.1/34

In: 4388.254+/-0.694 χ^2/NDF:4732169.1/34

Out: 4632.377+/-0.702 χ^2/NDF:3180807.3/39

All: 4508.983+/-0.494 χ^2/NDF: 7974114.2/74

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 6.631+/-1.371 χ^2/NDF:55.9/20

Right Out: -7.650+/-4.099 χ^2/NDF: 14.6/18

Left In: -1.358+/-1.429 χ^2/NDF:23.0/18

Left: 2.804+/-0.989 χ^2/NDF: 95.2/39

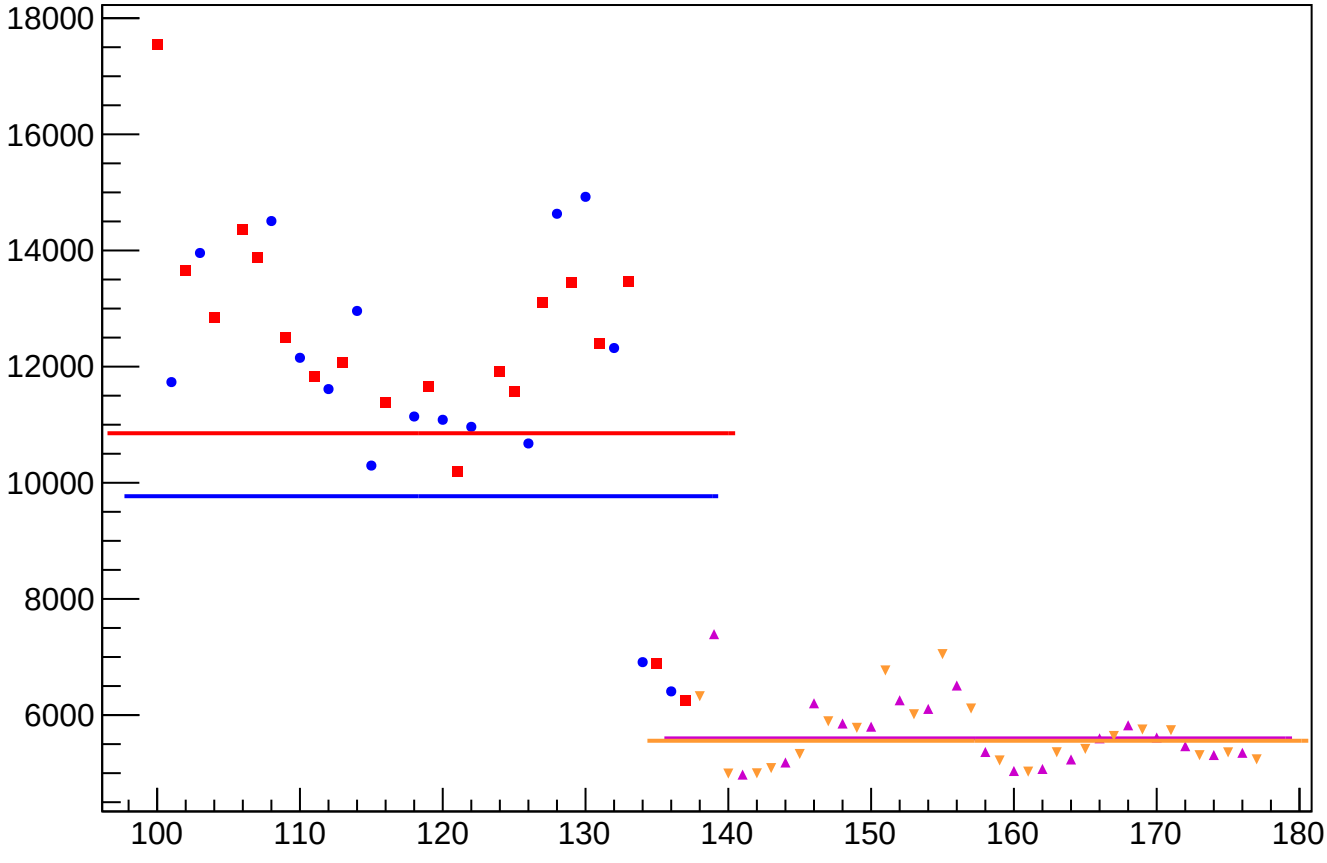
Right: 0.565+/-2.795 χ^2/NDF: 43.7/34

In: -0.246+/-1.339 χ^2/NDF:49.6/34

Out: 5.195+/-1.300 χ^2/NDF:81.4/39

All: 2.555+/-0.933 χ^2/NDF: 139.4/74

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5558.024+/-0.969 χ^2/NDF:273529.4/20

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

Left In: 5598.425+/-1.011 χ^2/NDF:282502.2/18

Left: 5577.374+/-0.700 χ^2/NDF: 556864.1/39

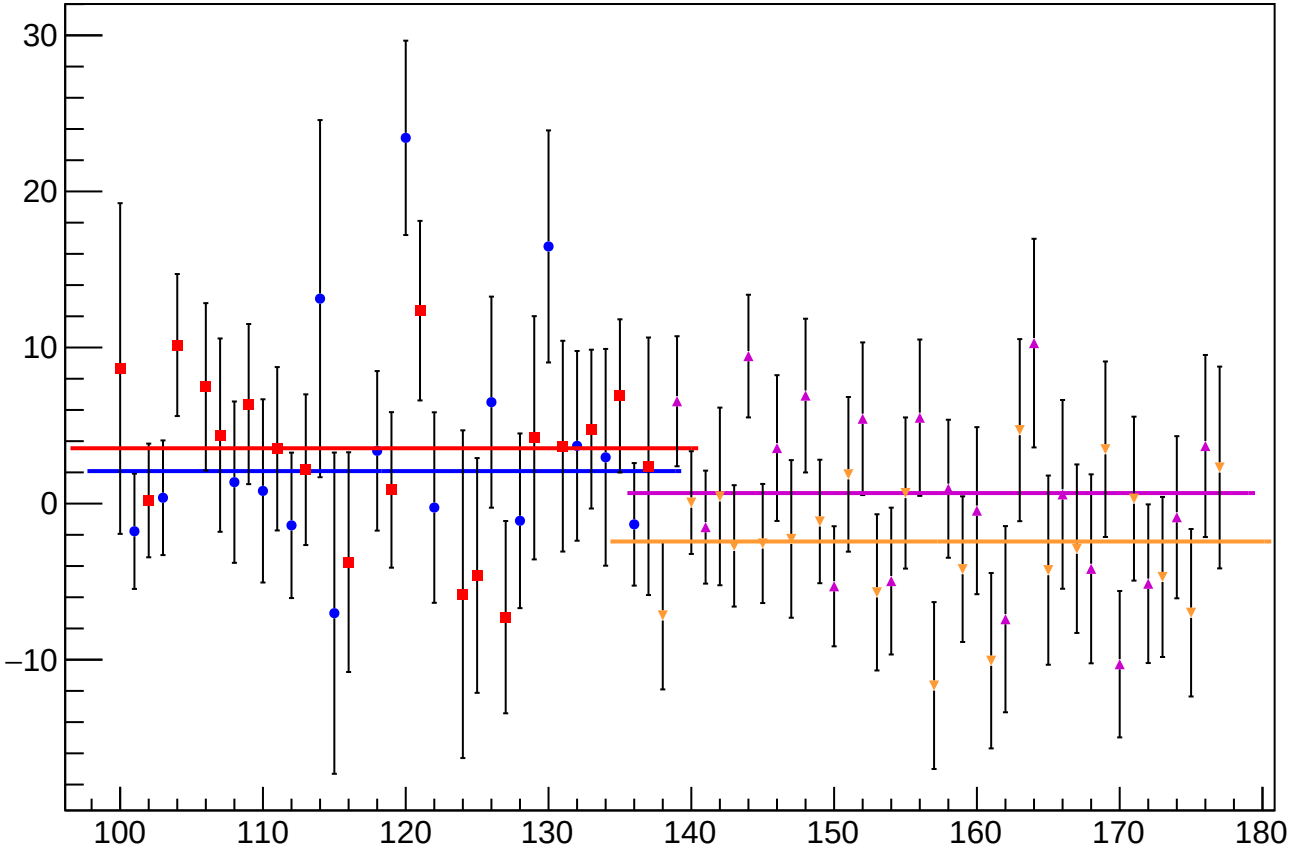
Right: 10272.667+/-1.976 χ^2/NDF: 2163082.8/34

In: 6110.736+/-0.947 χ^2/NDF:3587301.3/34

Out: 6090.393+/-0.919 χ^2/NDF:4149500.2/39

All: 6100.264+/-0.659 χ^2/NDF: 7737039.1/74

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.428+/-1.056 χ^2/NDF:12.9/20

Right Out: 3.546+/-1.304 χ^2/NDF: 13.4/18

Left In: 0.674+/-1.103 χ^2/NDF:26.8/18

Left: -0.945+/-0.763 χ^2/NDF: 43.8/39

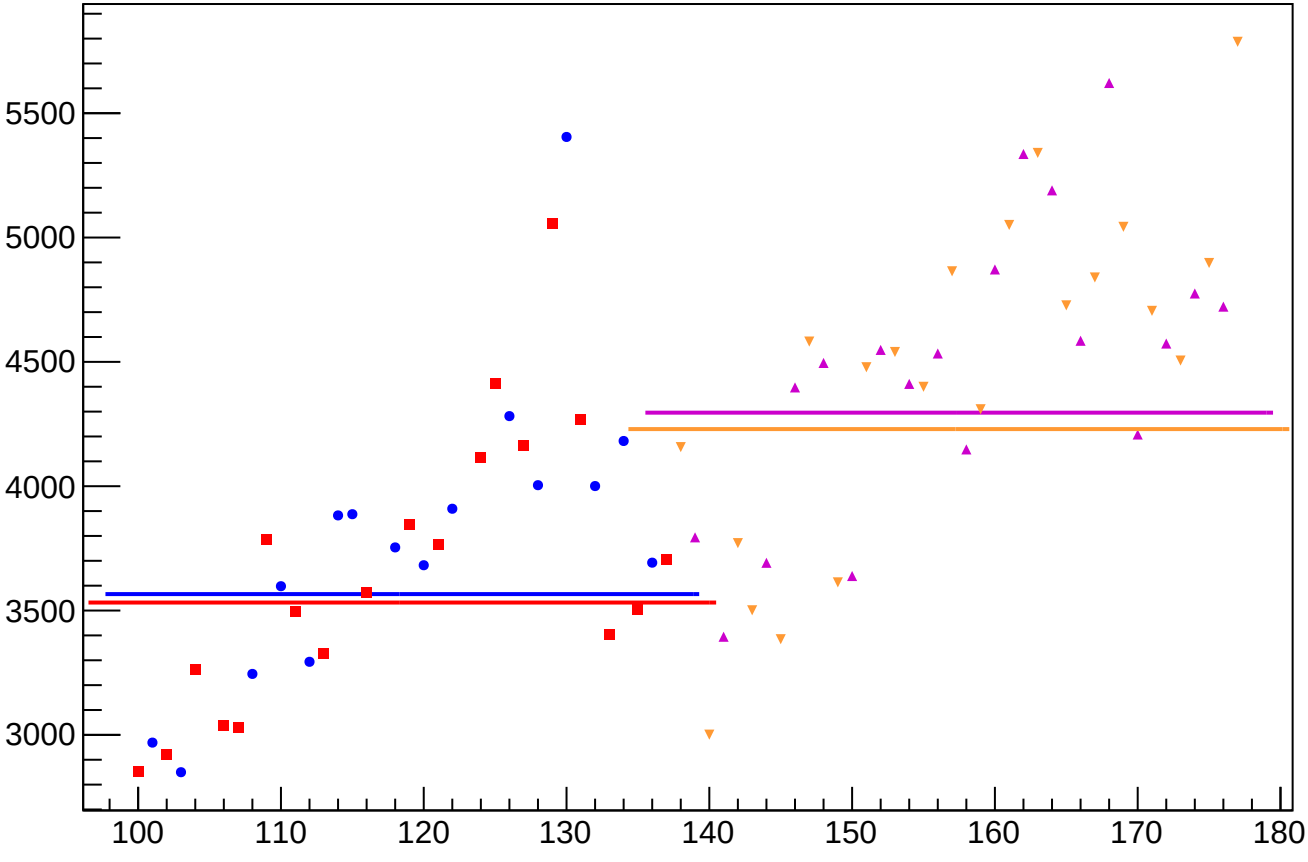
Right: 2.837+/-0.936 χ^2/NDF: 35.0/34

In: 1.240+/-0.853 χ^2/NDF:48.4/34

Out: -0.063+/-0.821 χ^2/NDF:39.1/39

All: 0.563+/-0.591 χ^2/NDF: 88.7/74

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 4229.700+/-0.747 χ^2/NDF:928197.6/20

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

Left In: 4295.777+/-0.780 χ^2/NDF:530628.4/18

Left: 4261.296+/-0.539 χ^2/NDF: 1462572.0/39

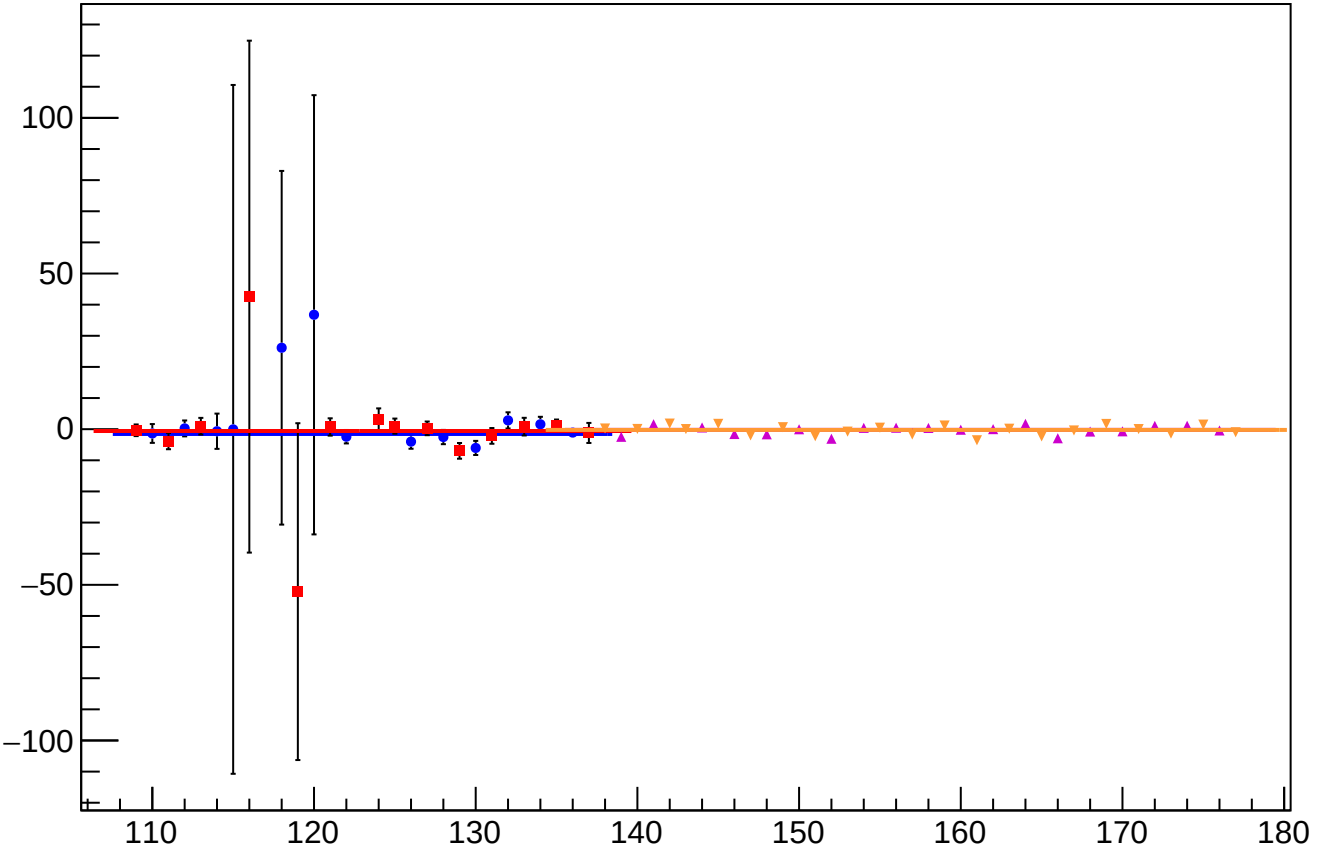
Right: 3548.642+/-0.662 χ^2/NDF: 620455.5/34

In: 4002.499+/-0.603 χ^2/NDF:1223552.5/34

Out: 3953.557+/-0.580 χ^2/NDF:1552486.1/39

All: 3977.083+/-0.418 χ^2/NDF: 2779458.4/74

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: -0.238+/-0.251 χ^2/NDF:33.2/20

Right Out: -0.588+/-0.717 χ^2/NDF: 12.7/13

Left In: -0.228+/-0.260 χ^2/NDF:27.2/18

Left: -0.233+/-0.180 χ^2/NDF: 60.4/39

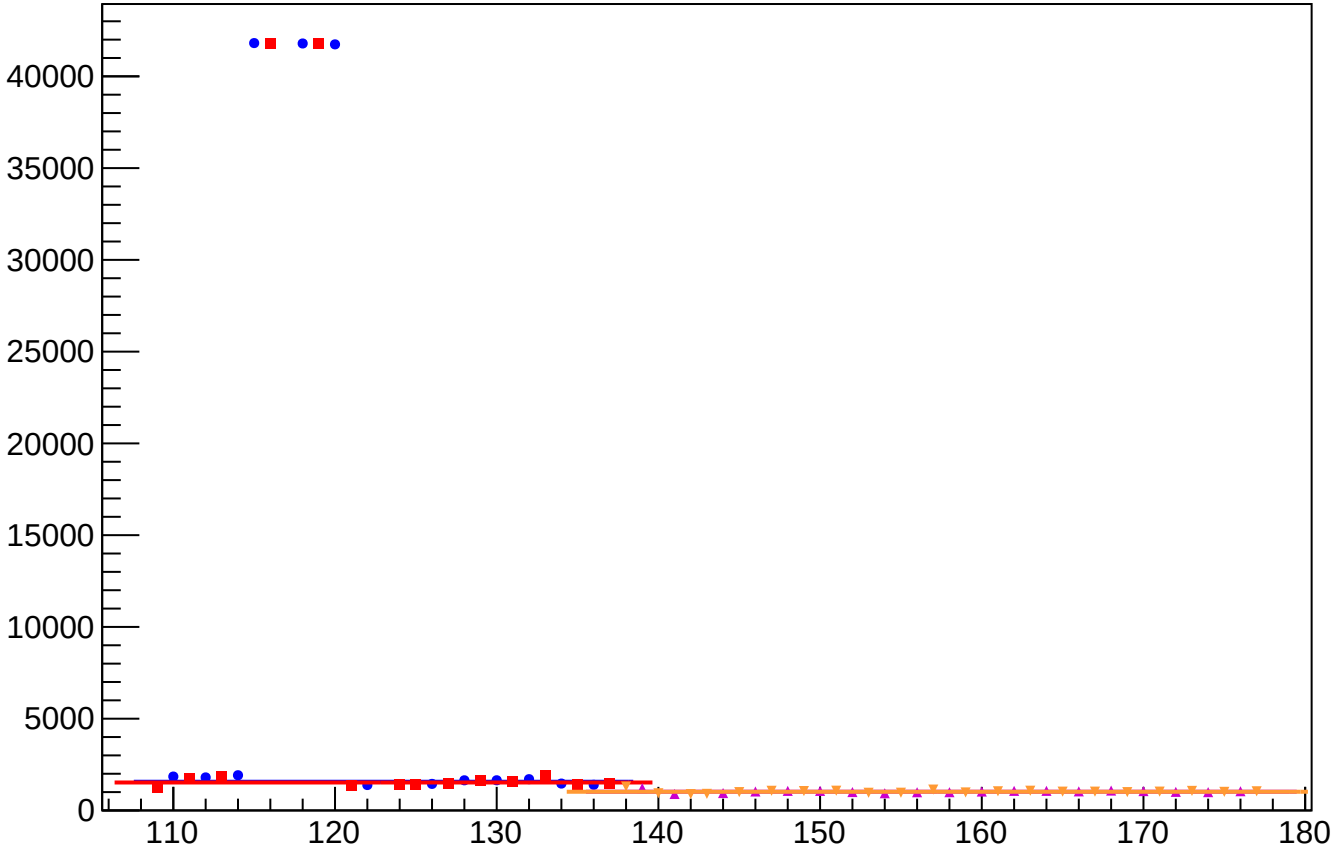
Right: -1.051+/-0.512 χ^2/NDF: 24.6/26

In: -0.374+/-0.245 χ^2/NDF:41.1/31

Out: -0.276+/-0.237 χ^2/NDF:46.1/34

All: -0.323+/-0.170 χ^2/NDF: 87.2/66

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 1019.057+/-0.177 χ^2/NDF:182303.5/20

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

Left In: 1020.095+/-0.184 χ^2/NDF:125650.6/18

Left: 1019.558+/-0.128 χ^2/NDF: 307970.7/39

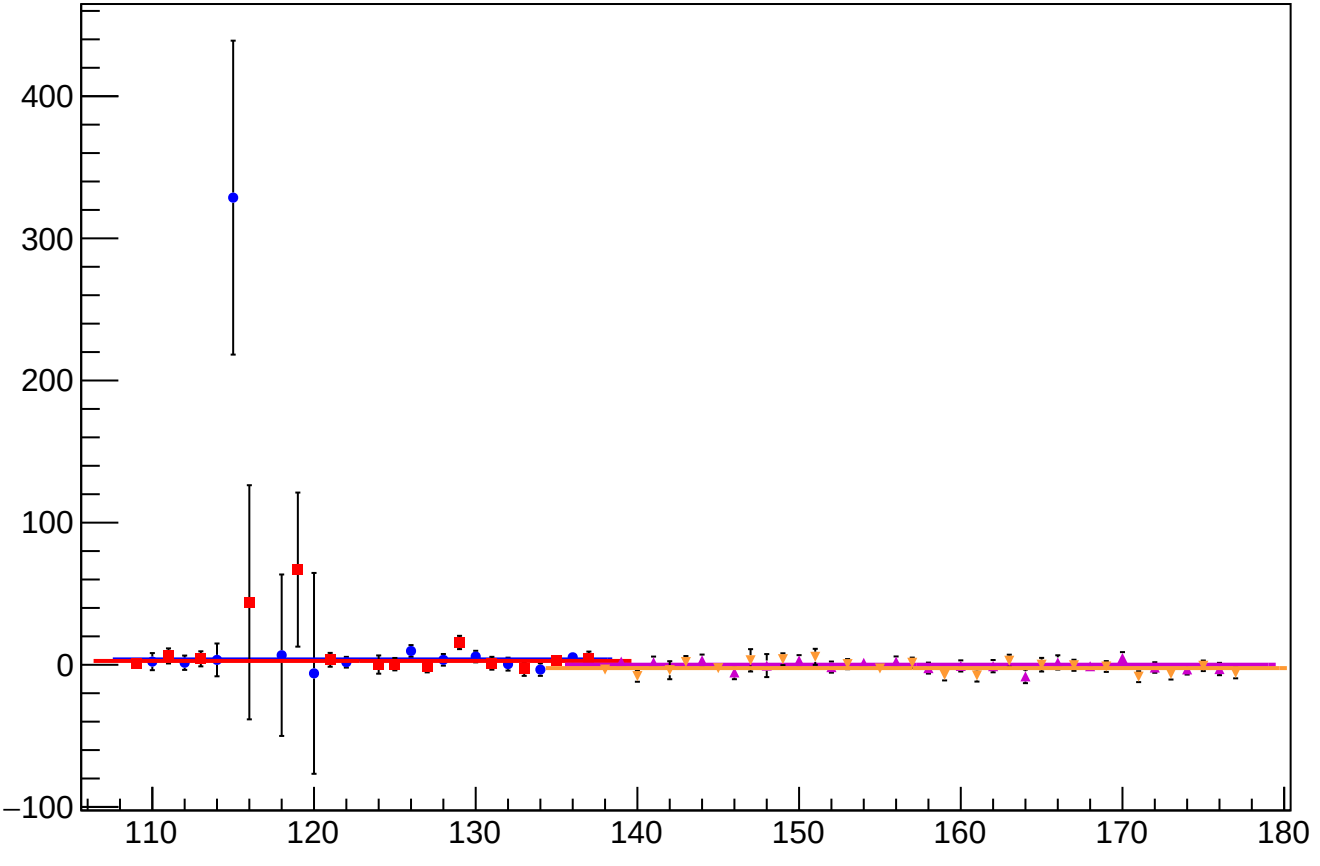
Right: 1543.555+/-0.362 χ^2/NDF: 3759789.5/26

In: 1080.863+/-0.173 χ^2/NDF:3122753.2/31

Out: 1074.019+/-0.167 χ^2/NDF:2804479.5/34

All: 1077.325+/-0.120 χ^2/NDF: 5928040.7/66

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -2.331+/-0.839 χ^2/NDF:19.2/20

Right Out: 2.709+/-1.211 χ^2/NDF: 13.6/13

Left In: 0.057+/-0.873 χ^2/NDF:11.0/18

Left: -1.184+/-0.605 χ^2/NDF: 34.0/39

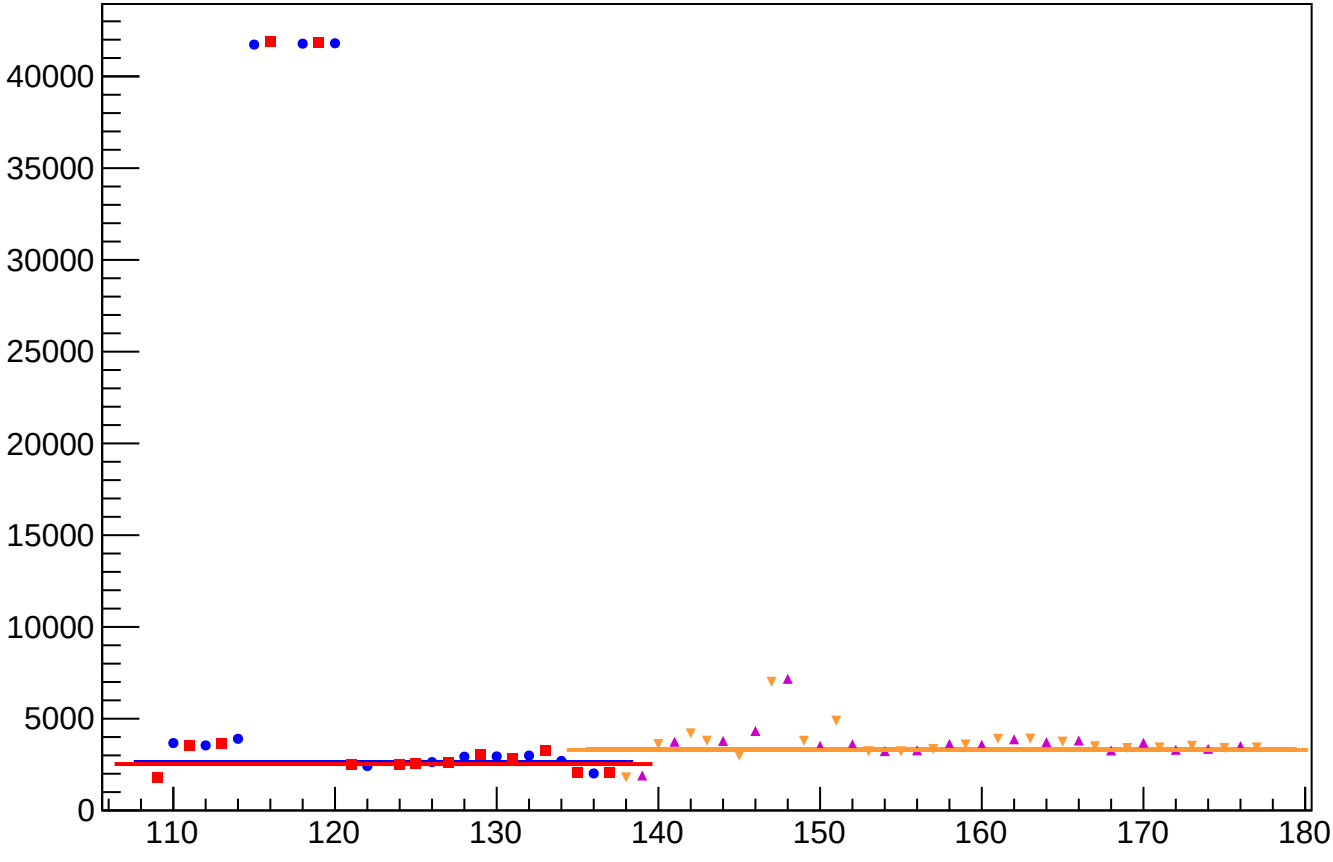
Right: 3.227+/-0.869 χ^2/NDF: 29.2/26

In: 1.279+/-0.716 χ^2/NDF:32.1/31

Out: -0.696+/-0.690 χ^2/NDF:44.5/34

All: 0.256+/-0.497 χ^2/NDF: 80.5/66

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 3297.394+/-0.593 χ^2/NDF:1885112.3/20

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

Left In: 3320.502+/-0.618 χ^2/NDF:1612731.7/18

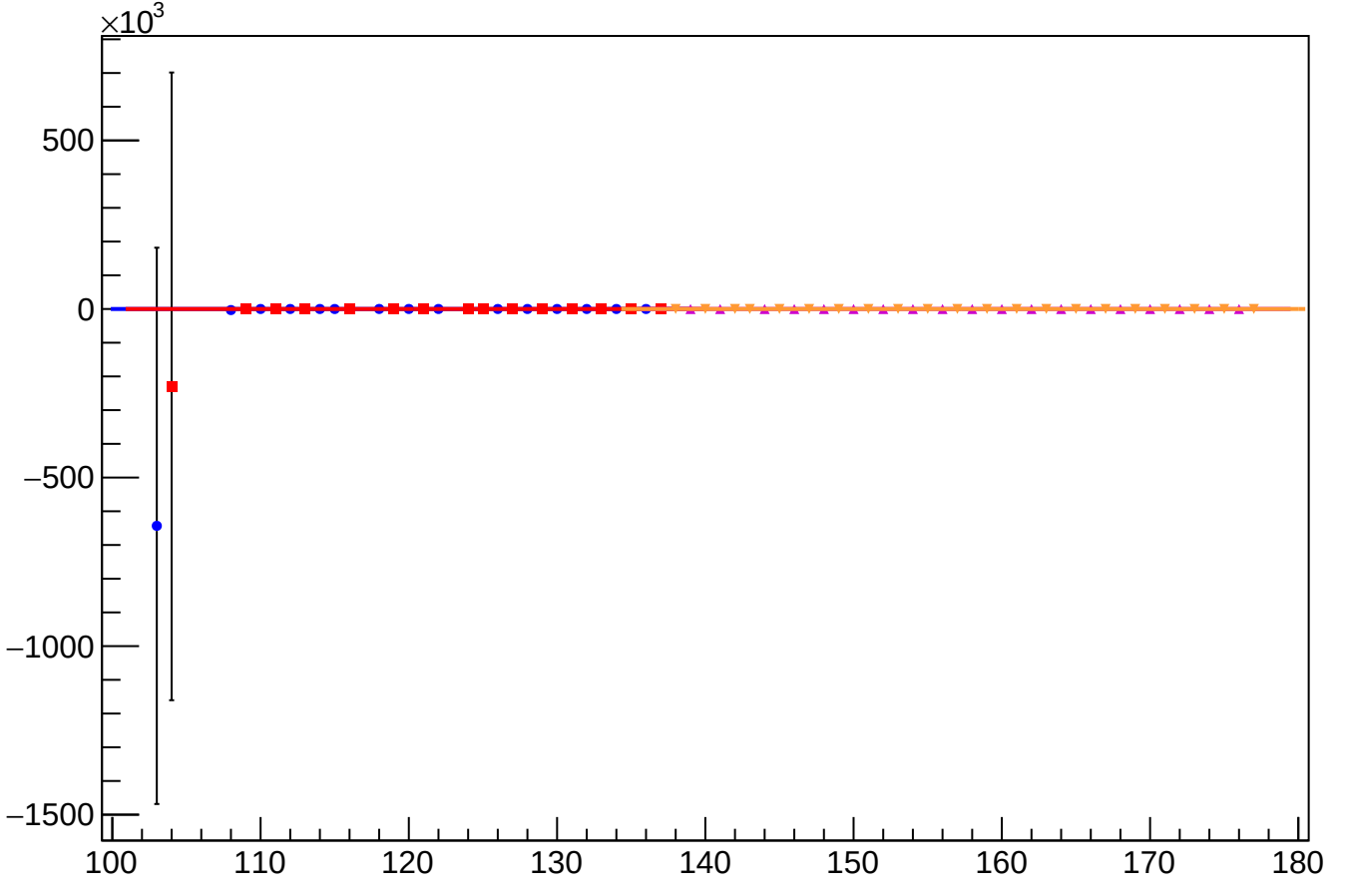
Left: 3308.489+/-0.428 χ^2/NDF: 3498572.0/39

Right: 2582.794+/-0.615 χ^2/NDF: 4131459.2/26

In: 3096.878+/-0.506 χ^2/NDF:4185235.8/31

Out: 3048.060+/-0.488 χ^2/NDF:4379005.5/34

All: 3071.574+/-0.351 χ^2/NDF: 8569066.4/66



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -1.718+/-0.391 χ^2/NDF:46.6/20

Right Out: 2.670+/-1.211 χ^2/NDF: 14.4/14

Left In: 0.185+/-0.407 χ^2/NDF:23.0/18

Left: -0.804+/-0.282 χ^2/NDF: 80.9/39

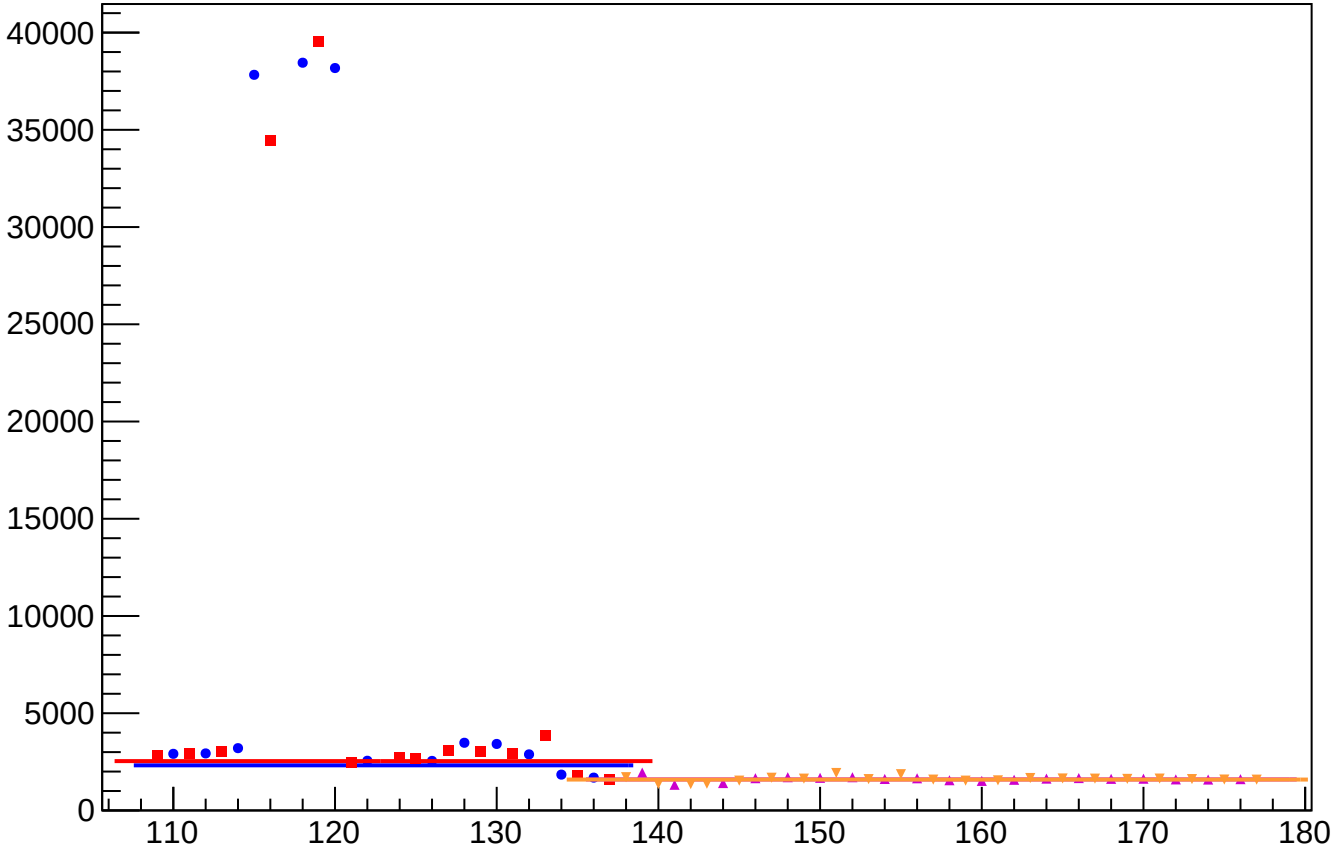
Right: 0.585+/-0.824 χ^2/NDF: 38.7/29

In: 0.023+/-0.383 χ^2/NDF:43.1/33

Out: -1.304+/-0.372 χ^2/NDF:72.9/35

All: -0.658+/-0.267 χ^2/NDF: 122.2/69

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1588.448+/-0.277 χ^2/NDF:230434.8/20

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

Left In: 1595.223+/-0.288 χ^2/NDF:196181.9/18

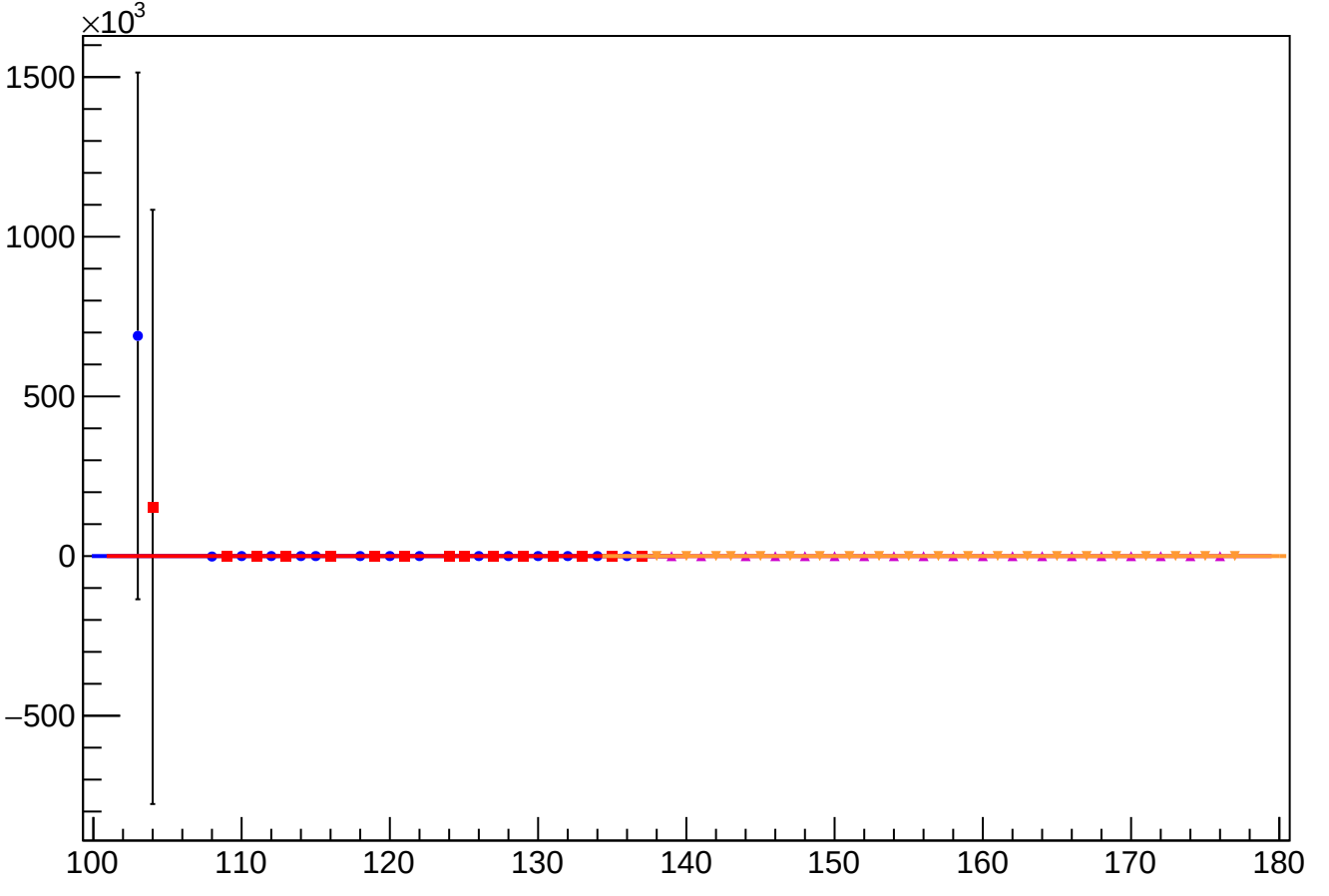
Left: 1591.702+/-0.199 χ^2/NDF: 426904.9/39

Right: 2421.061+/-0.583 χ^2/NDF: 4534110.8/26

In: 1679.063+/-0.271 χ^2/NDF:3392314.6/31

Out: 1678.105+/-0.263 χ^2/NDF:3380939.7/34

All: 1678.571+/-0.189 χ^2/NDF: 6773260.7/66



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -1.123+/-0.541 χ^2/NDF:21.6/20

Right Out: 1.893+/-1.052 χ^2/NDF: 15.3/14

Left In: -0.200+/-0.541 χ^2/NDF:14.0/18

Left: -0.662+/-0.383 χ^2/NDF: 37.1/39

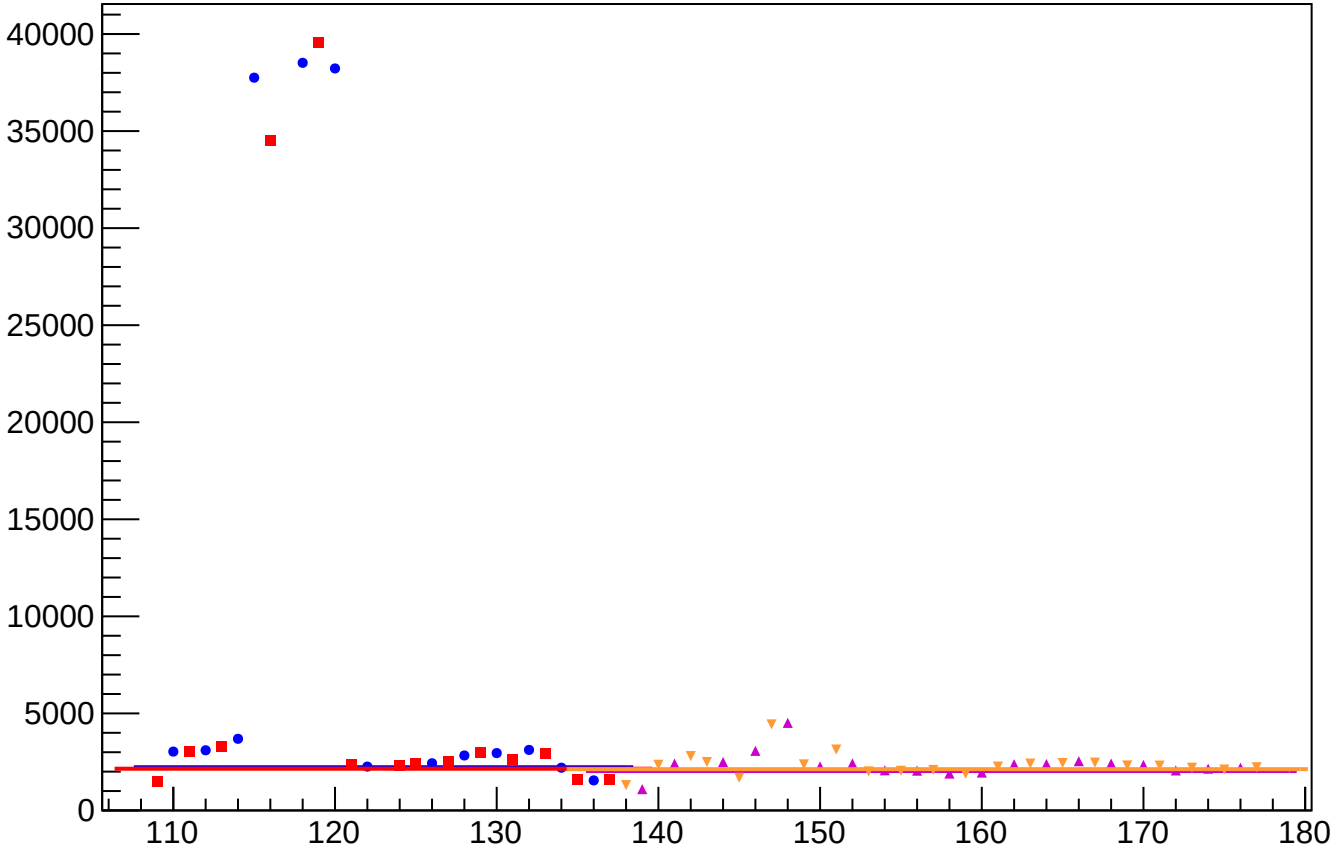
Right: 1.803+/-0.752 χ^2/NDF: 20.3/29

In: 0.185+/-0.483 χ^2/NDF:21.6/33

Out: -0.491+/-0.481 χ^2/NDF:43.5/35

All: -0.155+/-0.341 χ^2/NDF: 66.0/69

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 2127.383+/-0.383 χ^2/NDF:1471040.5/20

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

Left In: 2031.823+/-0.383 χ^2/NDF:2258525.8/18

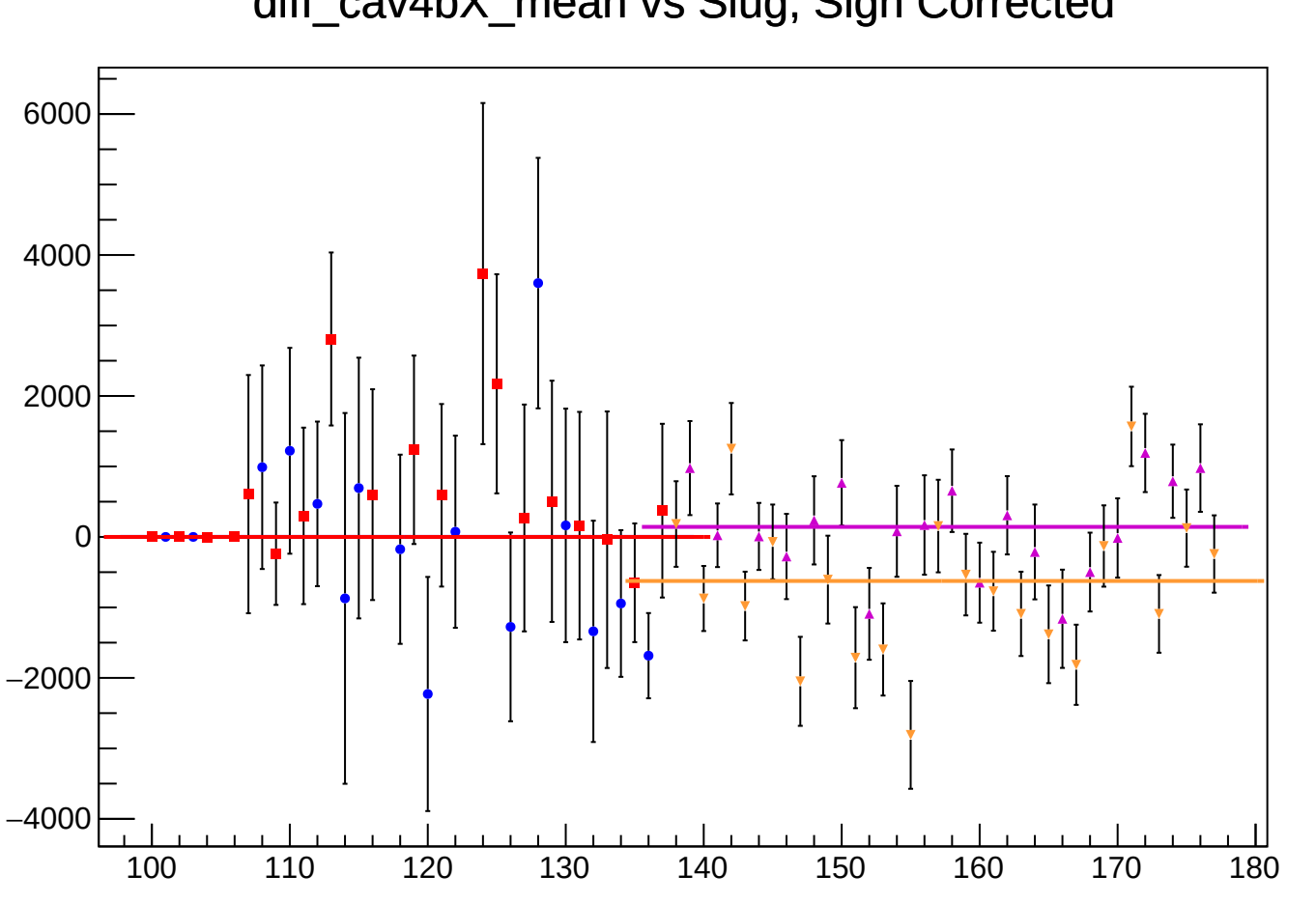
Left: 2079.590+/-0.271 χ^2/NDF: 3760742.6/39

Right: 2188.011+/-0.532 χ^2/NDF: 4758723.2/26

In: 2071.189+/-0.342 χ^2/NDF:4833274.1/31

Out: 2132.295+/-0.340 χ^2/NDF:3703149.2/34

All: 2101.881+/-0.241 χ^2/NDF: 8552470.2/66



Right In: 0.255+/-0.356 χ^2/NDF: 17.7/15

Left Out: -624.782+/-127.837 χ^2/NDF:56.4/20

Right Out: -0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: 142.562+/-133.886 χ^2/NDF:21.8/18

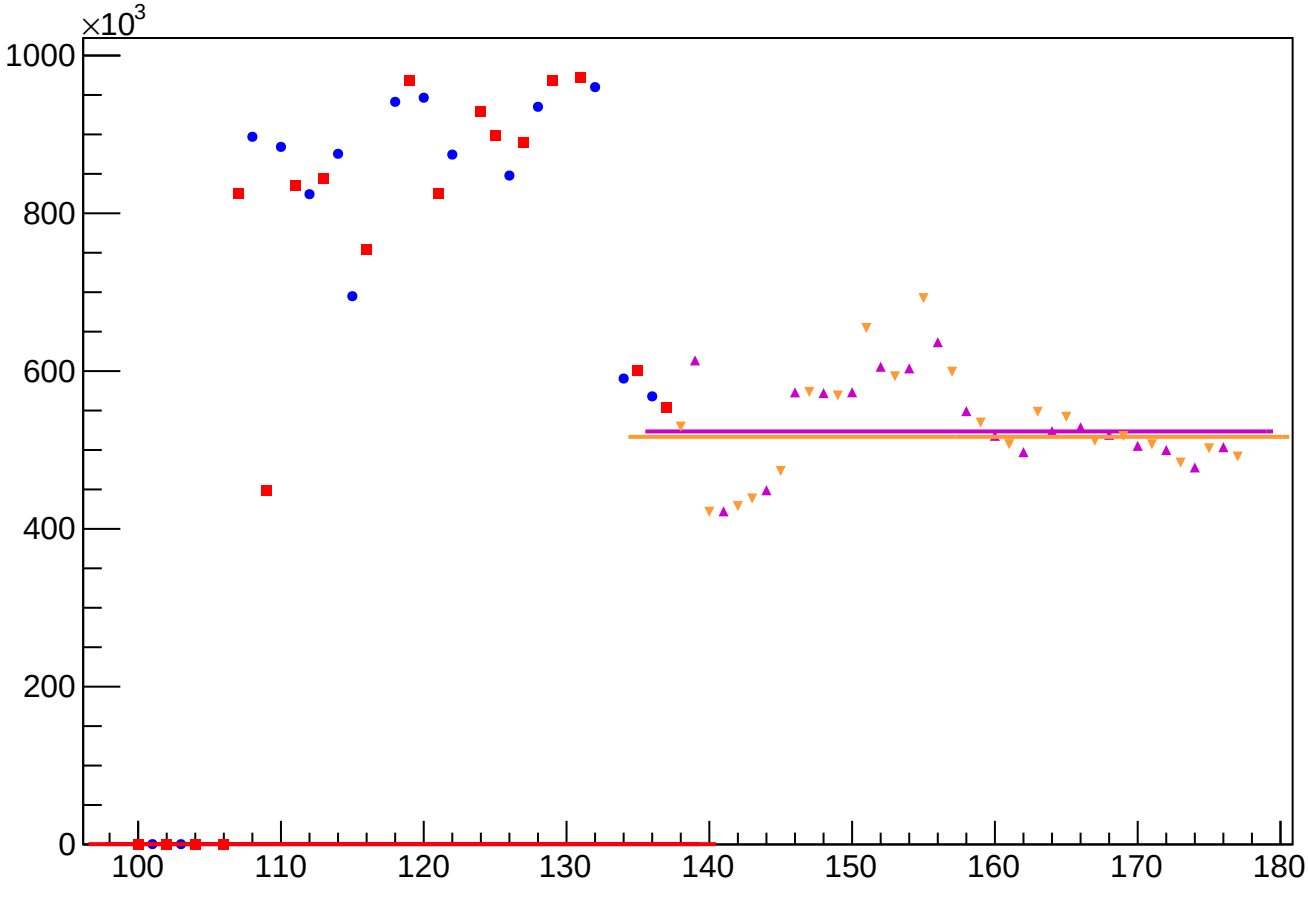
Left: -258.834+/-92.459 χ^2/NDF: 95.4/39

Right: 0.065+/-0.241 χ^2/NDF: 33.7/34

In: 0.256+/-0.356 χ^2/NDF:40.6/34

Out: -0.100+/-0.328 χ^2/NDF:95.7/39

All: 0.064+/-0.241 χ^2/NDF: 136.9/74



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 516646.422+/-90.395 χ^2/NDF:480139.2/20

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

Left In: 523508.910+/-94.672 χ^2/NDF:370954.1/18

Left: 519919.152+/-65.378 χ^2/NDF: 853841.8/39

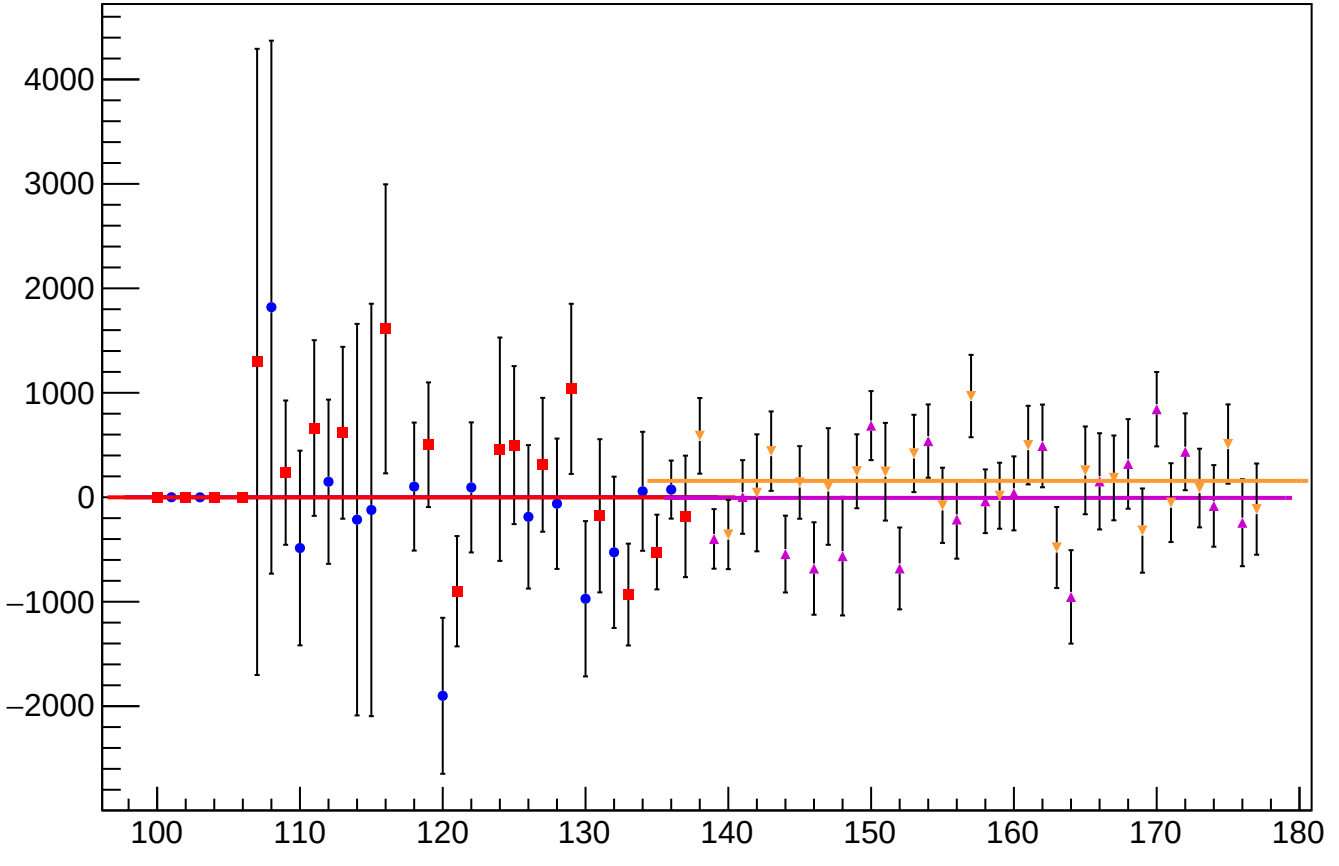
Right: 395.831+/-0.170 χ^2/NDF: 16140681.1/32

In: 402.572+/-0.251 χ^2/NDF:39393843.5/33

Out: 396.634+/-0.232 χ^2/NDF:40745153.9/38

All: 399.361+/-0.170 χ^2/NDF: 80139299.0/72

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 157.170+/-84.467 χ^2/NDF:16.5/20

Right Out: -0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: -6.063+/-86.174 χ^2/NDF:31.7/18

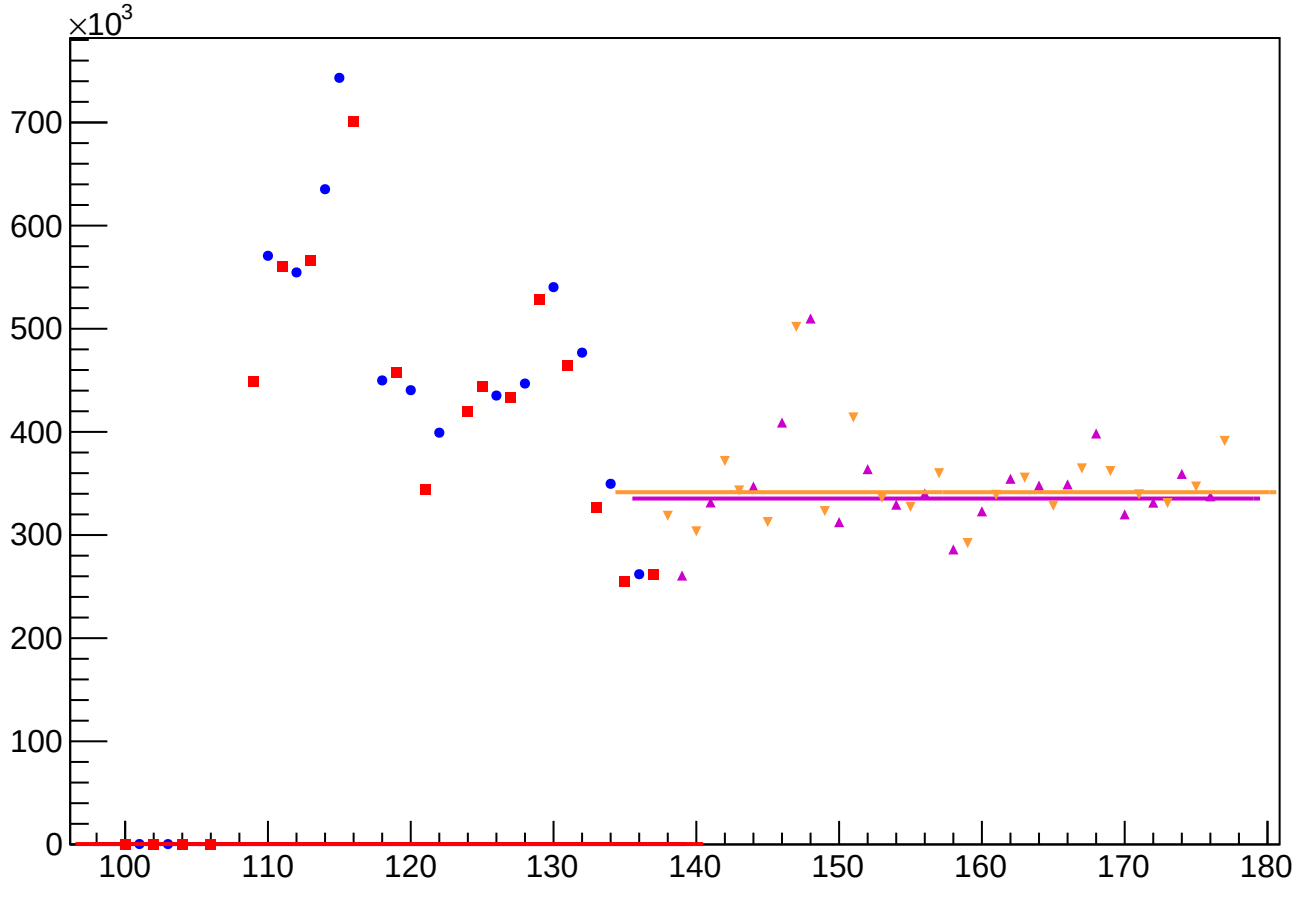
Left: 77.186+/-60.322 χ^2/NDF: 50.0/39

Right: -0.330+/-0.237 χ^2/NDF: 27.0/34

In: -0.021+/-0.347 χ^2/NDF:42.1/34

Out: -0.596+/-0.324 χ^2/NDF:35.0/39

All: -0.328+/-0.237 χ^2/NDF: 78.6/74



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 341538.424+/-59.727 χ^2/NDF:373077.3/20

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

Left In: 335373.889+/-60.938 χ^2/NDF:522419.0/18

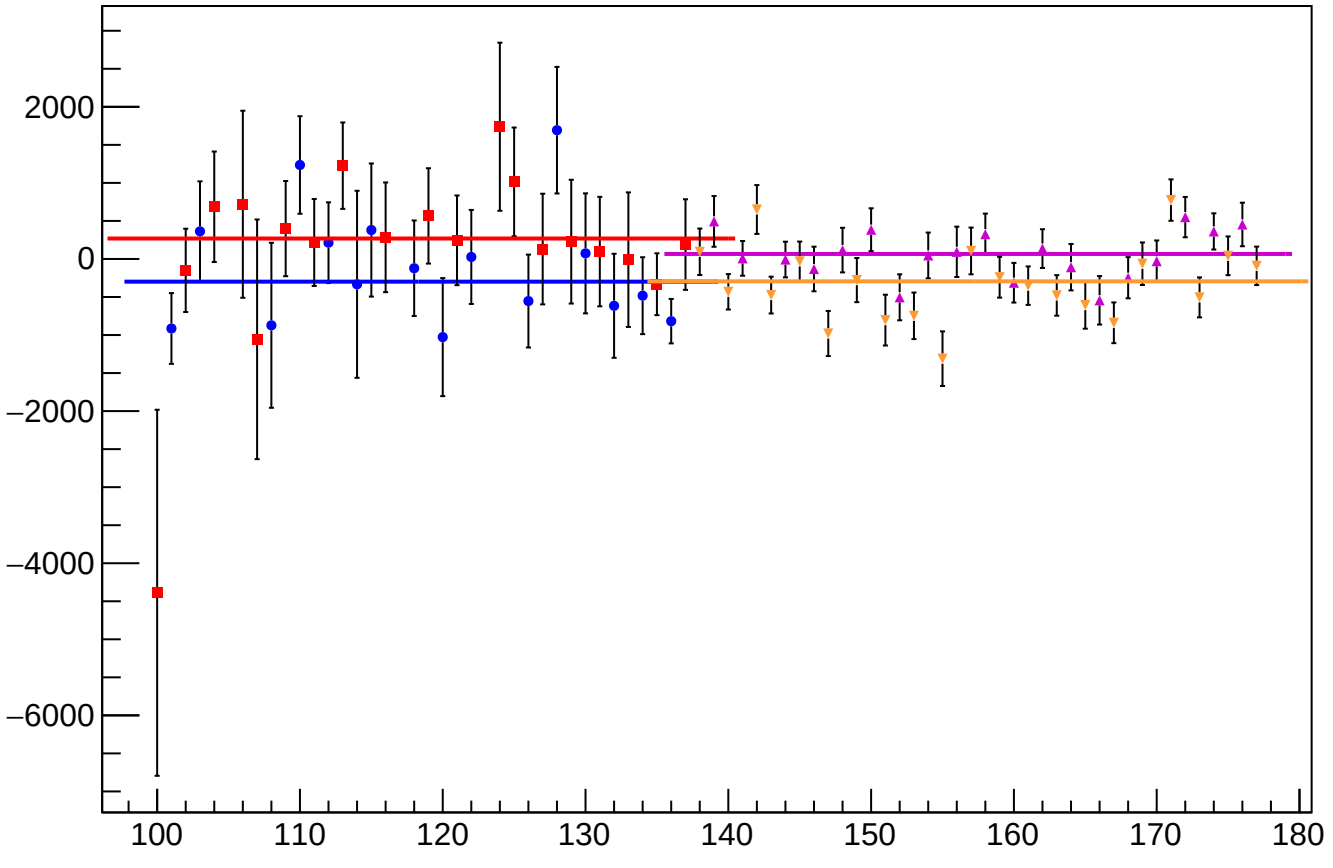
Left: 338517.995+/-42.655 χ^2/NDF: 900715.7/39

Right: 389.050+/-0.167 χ^2/NDF: 22206589.6/32

In: 395.710+/-0.245 χ^2/NDF:41872756.0/33

Out: 392.998+/-0.229 χ^2/NDF:44071674.3/38

All: 394.260+/-0.167 χ^2/NDF: 85944495.5/72



Right In: -298.263+/-147.367 χ^2/NDF: 21.2/15

Left Out: -294.081+/-60.671 χ^2/NDF:56.6/20

Right Out: 268.892+/-156.582 χ^2/NDF: 13.9/18

Left In: 65.939+/-63.372 χ^2/NDF:22.4/18

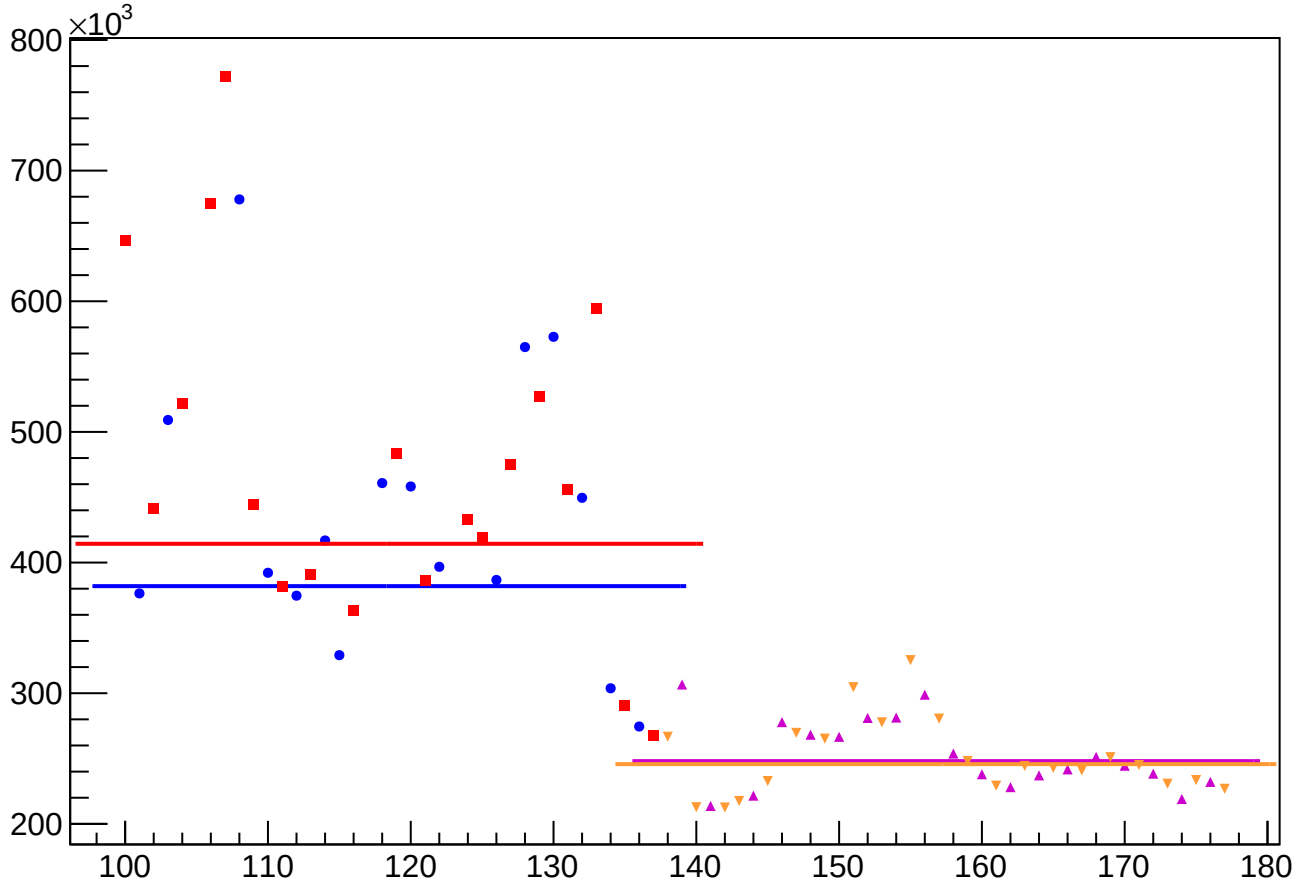
Left: -121.906+/-43.825 χ^2/NDF: 95.9/39

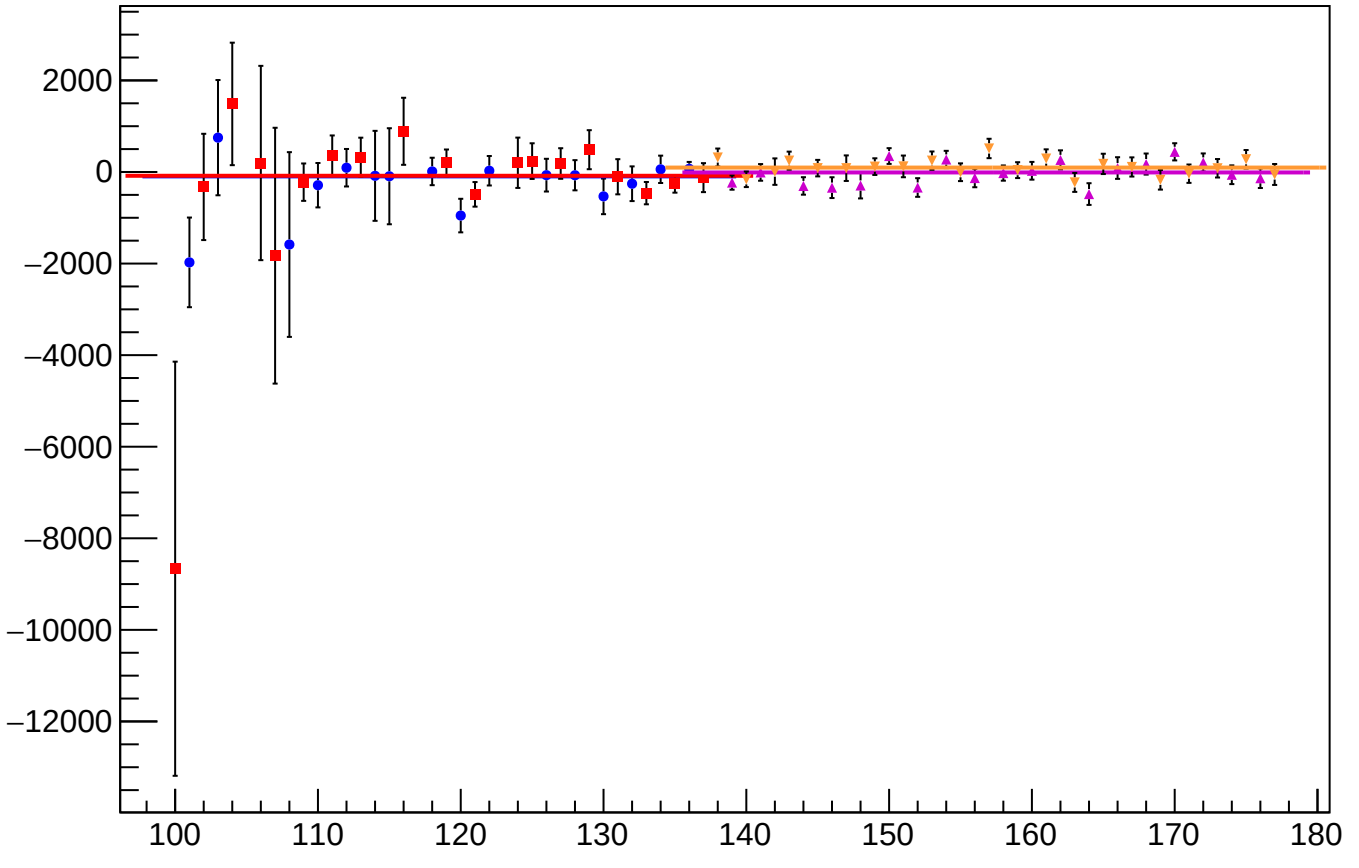
Right: -31.865+/-107.314 χ^2/NDF: 42.0/34

In: 9.099+/-58.218 χ^2/NDF:48.7/34

Out: -220.592+/-56.573 χ^2/NDF:81.7/39

All: -109.036+/-40.572 χ^2/NDF: 138.5/74


diff_cav4cX_rms vs Slug, Sign Corrected
×10^3
800
700
600
500
400
300
200
100
110
120
130
140
150
160
170
180
Right In: 381960.471+/-104.223 χ²/NDF: 836441.6/15
Left Out: 245714.509+/-42.901 χ²/NDF:365532.2/20
Right Out: 414378.043+/-110.748 χ²/NDF: 760082.5/18
Left In: 248034.979+/-44.811 χ²/NDF:325481.9/18
Left: 246824.241+/-30.989 χ²/NDF: 692413.3/39
Right: 397186.164+/-75.899 χ²/NDF: 1641963.2/34
In: 268929.786+/-41.167 χ²/NDF:2555502.2/34
Out: 267721.704+/-40.005 χ²/NDF:3142344.2/39
All: 268308.444+/-28.690 χ²/NDF: 5698289.



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 96.452+/-44.570 χ^2/NDF:15.9/20

Right Out: -82.750+/-87.316 χ^2/NDF: 19.1/18

Left In: -10.100+/-45.573 χ^2/NDF:31.0/18

Left: 44.361+/-31.865 χ^2/NDF: 49.7/39

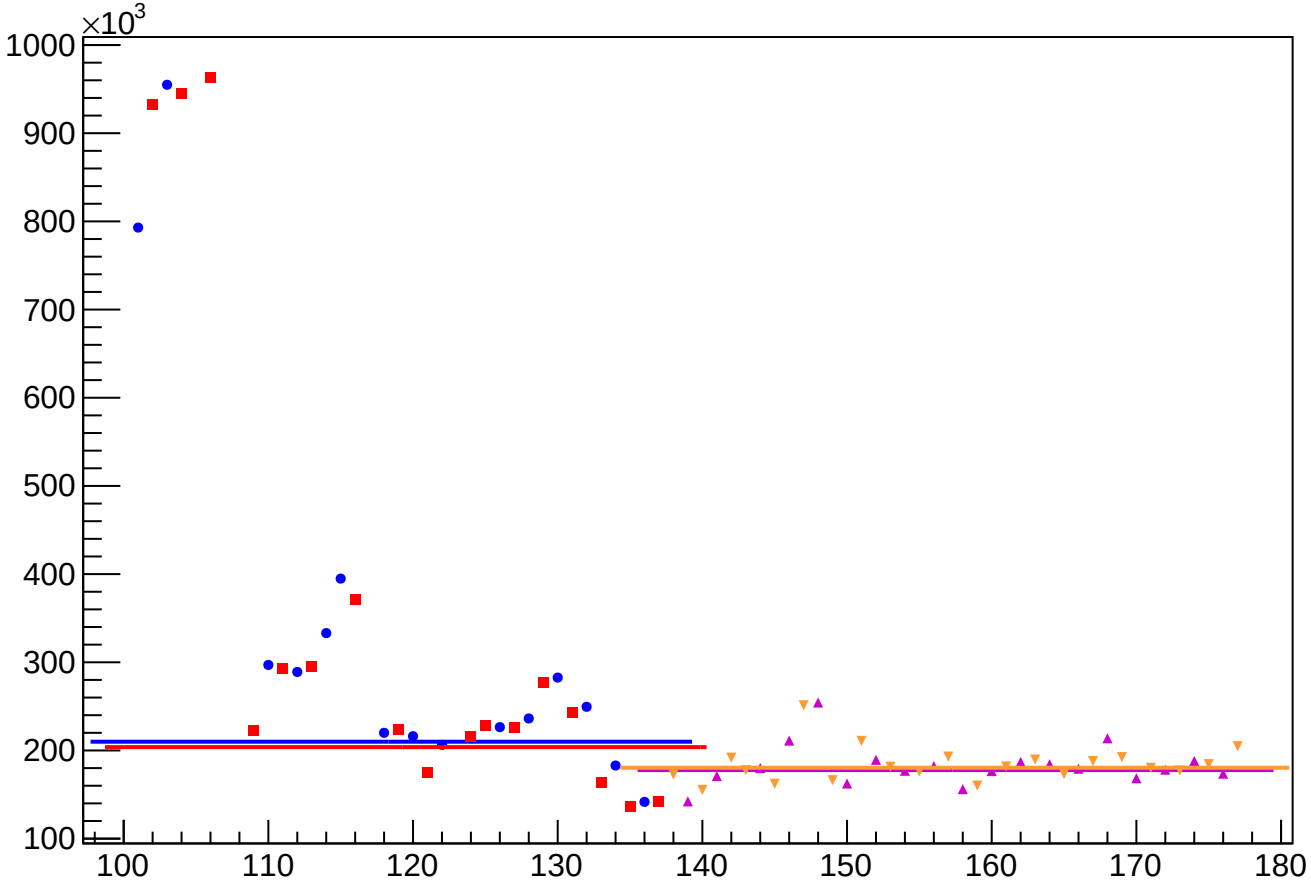
Right: -89.229+/-62.075 χ^2/NDF: 32.8/34

In: -28.148+/-40.494 χ^2/NDF:45.5/34

Out: 59.411+/-39.698 χ^2/NDF:38.3/39

All: 16.501+/-28.348 χ^2/NDF: 86.2/74

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 180426.683+/-31.516 χ^2/NDF:319424.3/20

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

Left In: 177763.971+/-32.225 χ^2/NDF:419755.0/18

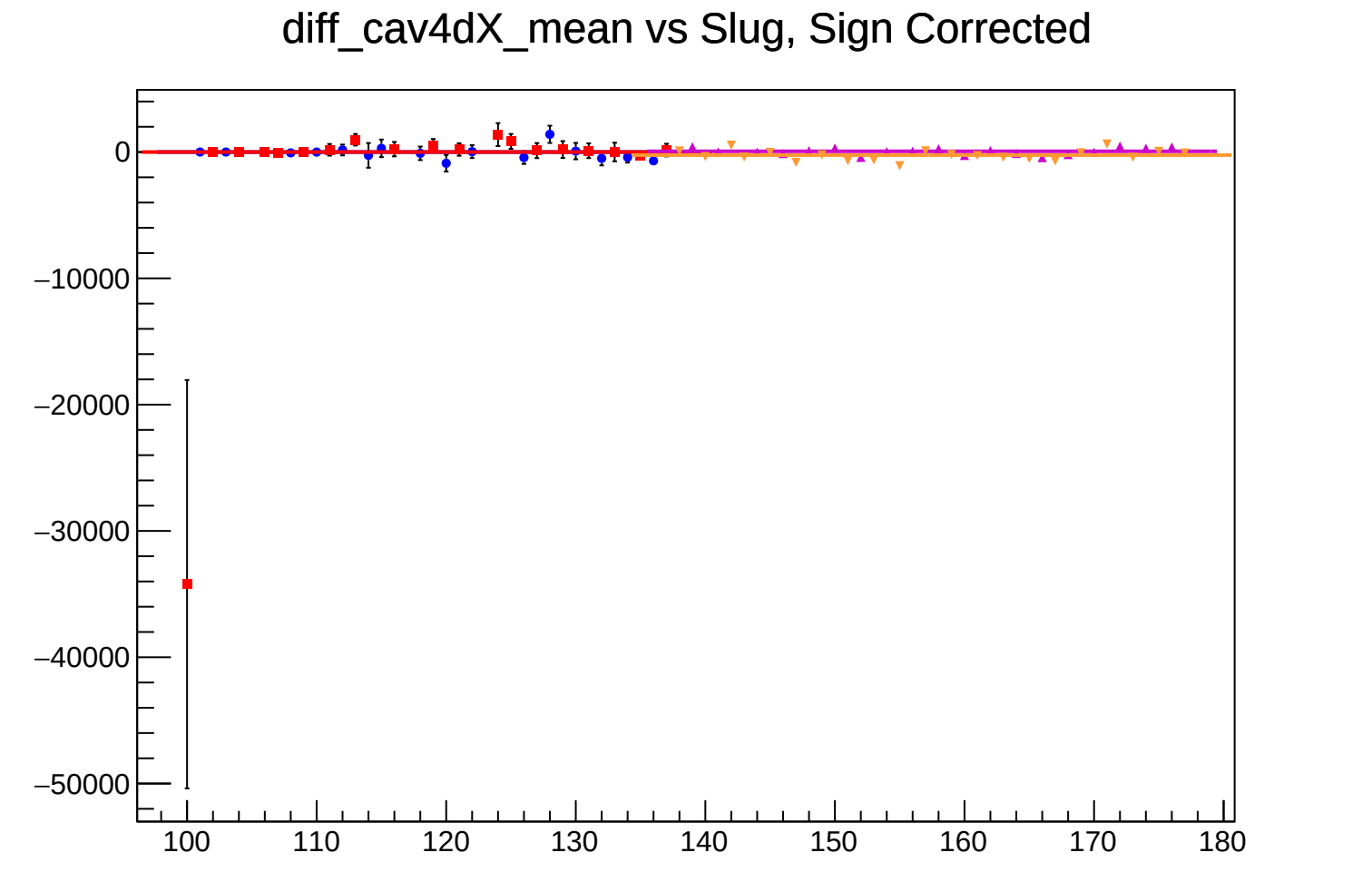
Left: 179124.936+/-22.532 χ^2/NDF: 742668.9/39

Right: 206830.314+/-43.987 χ^2/NDF: 4035239.4/31

In: 184515.165+/-28.644 χ^2/NDF:2588766.7/33

Out: 185237.670+/-28.085 χ^2/NDF:2503082.2/37

All: 184883.540+/-20.054 χ^2/NDF: 5092173.



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -242.165+/-50.709 χ^2/NDF:56.5/20

Right Out: 0.355+/-0.160 χ^2/NDF: 16.5/18

Left In: 58.225+/-53.017 χ^2/NDF:22.6/18

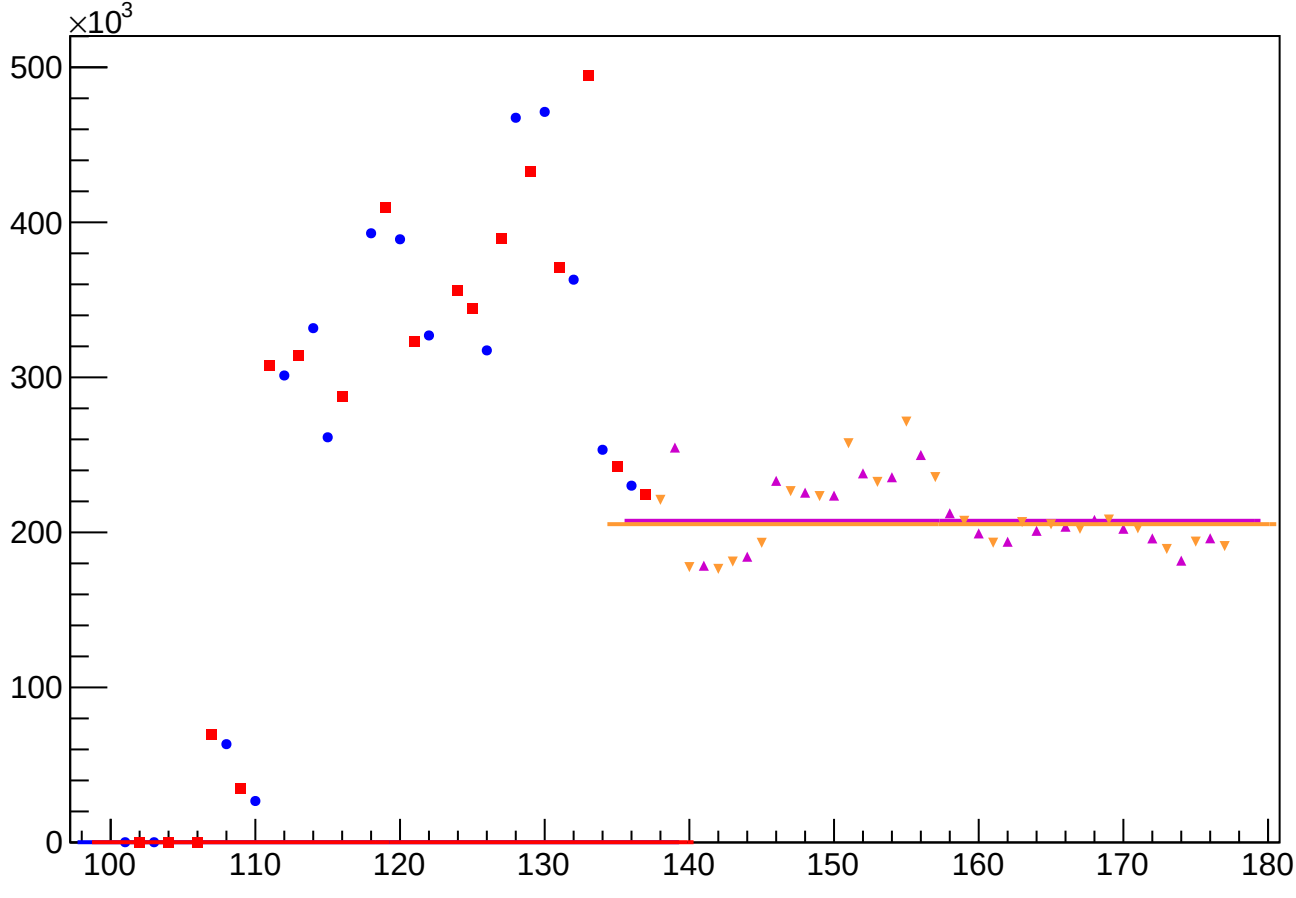
Left: -98.650+/-36.646 χ^2/NDF: 95.9/39

Right: 0.174+/-0.117 χ^2/NDF: 37.4/34

In: -0.034+/-0.172 χ^2/NDF:41.9/34

Out: 0.353+/-0.160 χ^2/NDF:95.9/39

All: 0.173+/-0.117 χ^2/NDF: 140.5/74



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 205310.920+/-35.857 χ^2/NDF:381276.0/20

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

Left In: 207477.740+/-37.489 χ^2/NDF:333071.6/18

Left: 206346.147+/-25.912 χ^2/NDF: 716092.3/39

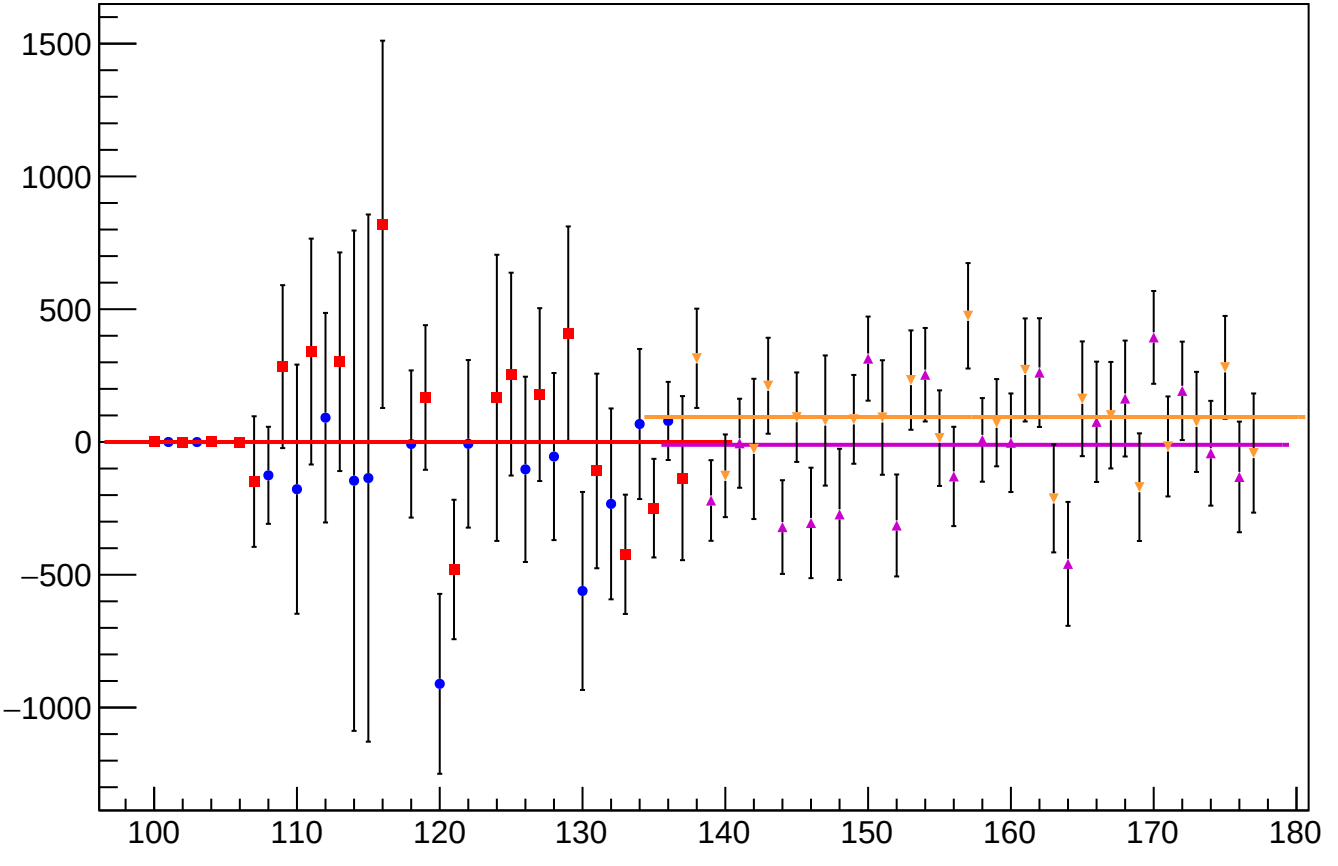
Right: 149.246+/-0.083 χ^2/NDF: 22590655.3/33

In: 151.281+/-0.122 χ^2/NDF:42220458.2/34

Out: 151.425+/-0.113 χ^2/NDF:44407280.8/38

All: 151.358+/-0.083 χ^2/NDF: 86627739.8/73

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 94.057+/-41.878 χ^2/NDF:15.1/20

Right Out: -0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: -10.640+/-42.988 χ^2/NDF:30.7/18

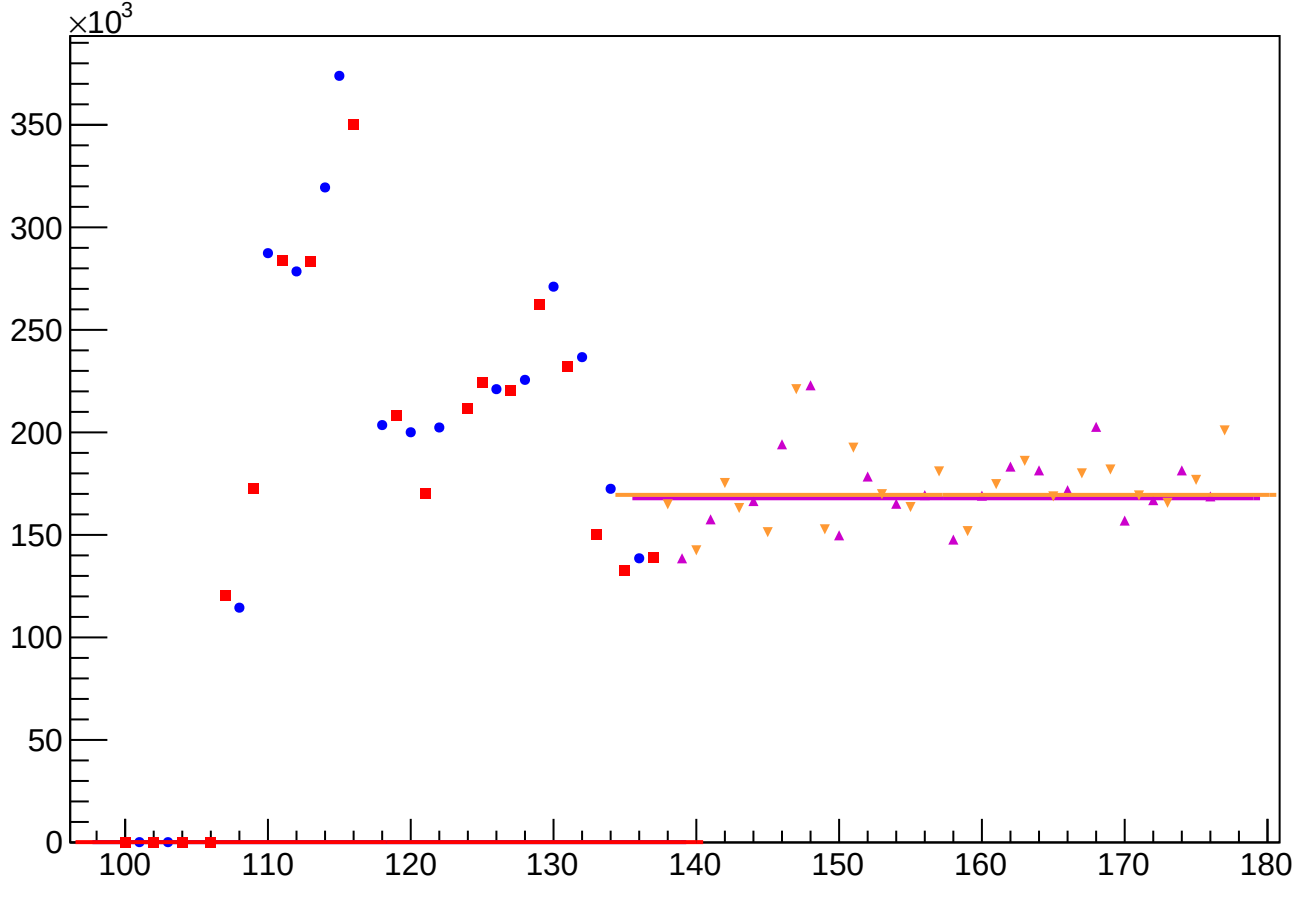
Left: 43.078+/-29.997 χ^2/NDF: 48.8/39

Right: -0.099+/-0.121 χ^2/NDF: 26.5/34

In: -0.068+/-0.177 χ^2/NDF:41.9/34

Out: -0.124+/-0.166 χ^2/NDF:35.4/39

All: -0.098+/-0.121 χ^2/NDF: 77.4/74



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 169525.379+/-29.612 χ^2/NDF:322571.5/20

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

Left In: 167864.543+/-30.397 χ^2/NDF:366340.5/18

Left: 168716.677+/-21.211 χ^2/NDF: 690443.7/39

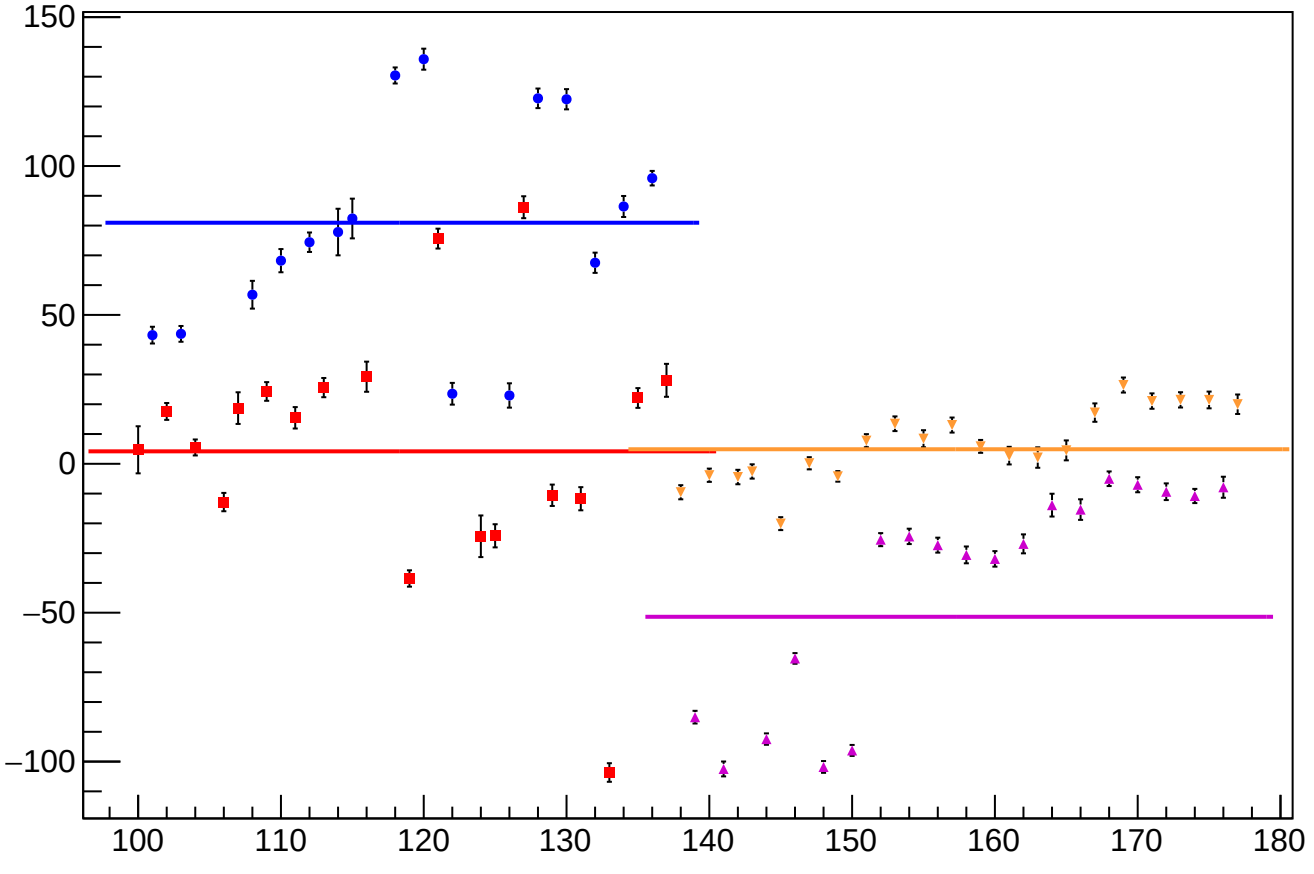
Right: 154.893+/-0.086 χ^2/NDF: 23236046.4/34

In: 156.311+/-0.125 χ^2/NDF:42712186.5/34

Out: 158.834+/-0.118 χ^2/NDF:44366621.3/39

All: 157.651+/-0.086 χ^2/NDF: 87079023.3/74

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: 4.886+/-0.541 χ^2/NDF:493.3/20

Right Out: 4.183+/-0.820 χ^2/NDF: 2719.7/18

Left In: -51.376+/-0.554 χ^2/NDF:4475.4/18

Left: -22.564+/-0.387 χ^2/NDF: 10252.7/39

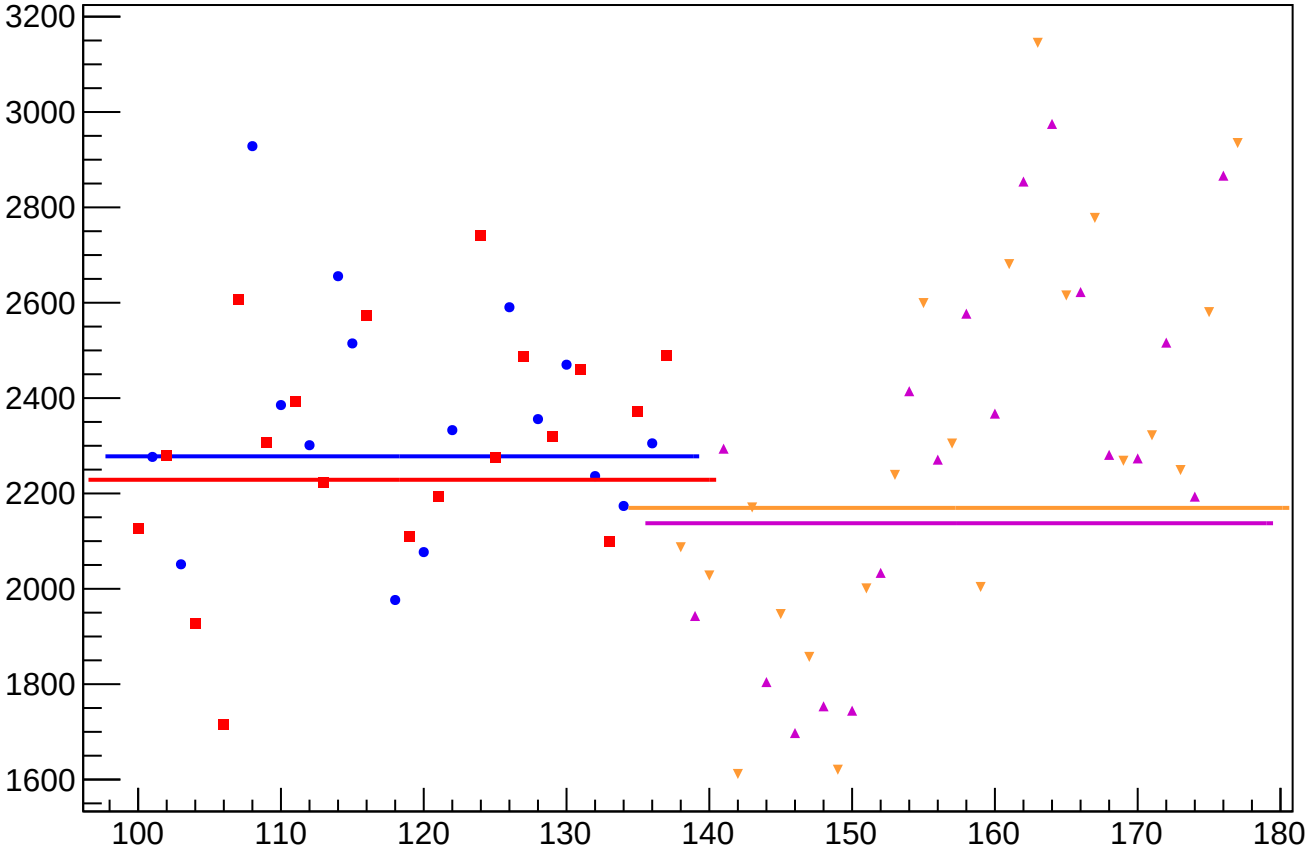
Right: 41.130+/-0.591 χ^2/NDF: 8751.0/34

In: -12.030+/-0.464 χ^2/NDF:23262.1/34

Out: 4.673+/-0.451 χ^2/NDF:3213.5/39

All: -3.443+/-0.324 χ^2/NDF: 27140.9/74

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 2169.743+/-0.382 χ^2/NDF:948086.3/20

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

Left In: 2137.544+/-0.392 χ^2/NDF:840841.9/18

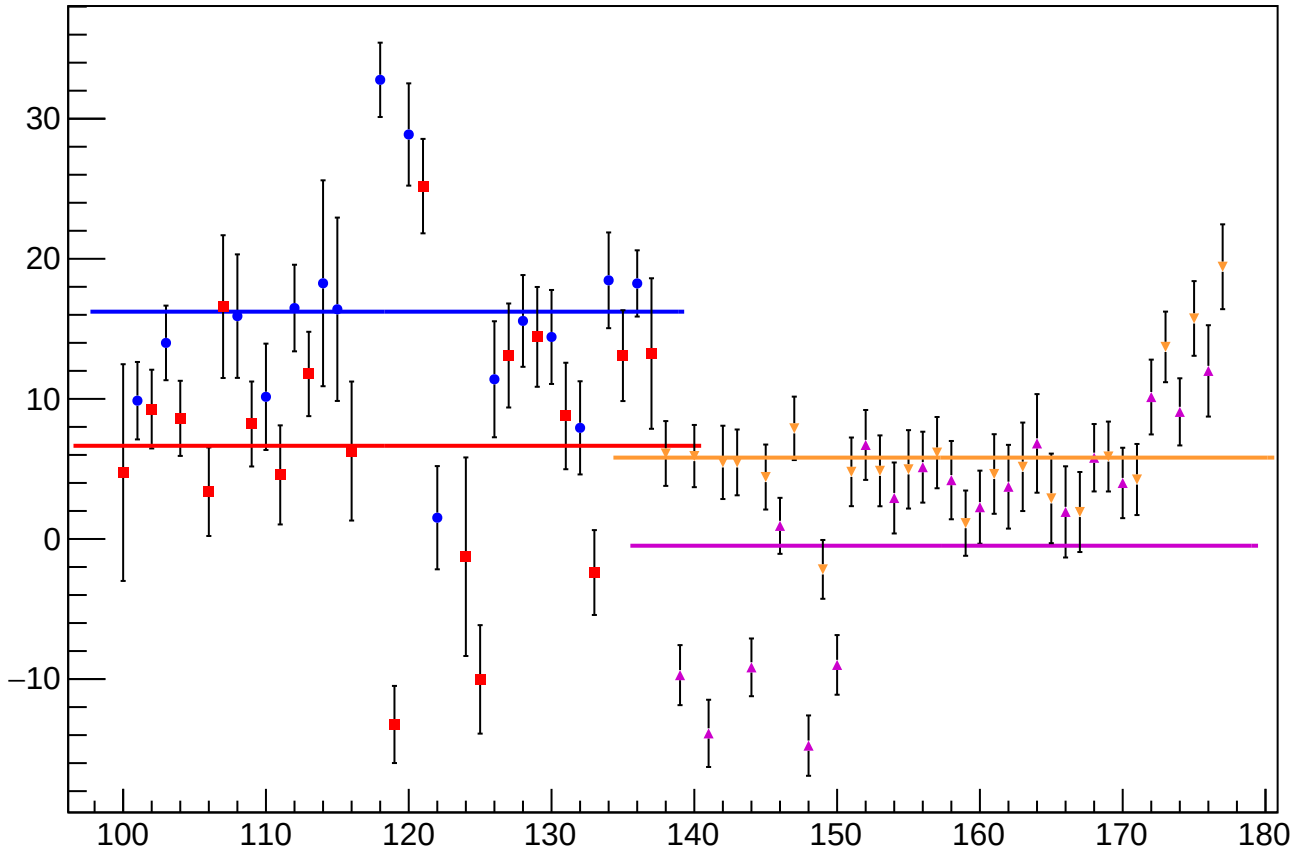
Left: 2154.033+/-0.274 χ^2/NDF: 1792389.5/39

Right: 2252.356+/-0.418 χ^2/NDF: 270367.9/34

In: 2179.266+/-0.328 χ^2/NDF:994782.9/34

Out: 2187.599+/-0.319 χ^2/NDF:1106424.5/39

All: 2183.550+/-0.229 χ^2/NDF: 2101538.5/74



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 5.809+/-0.552 χ^2/NDF:67.4/20

Right Out: 6.652+/-0.809 χ^2/NDF: 134.6/18

Left In: -0.481+/-0.569 χ^2/NDF:209.9/18

Left: 2.760+/-0.396 χ^2/NDF: 340.3/39

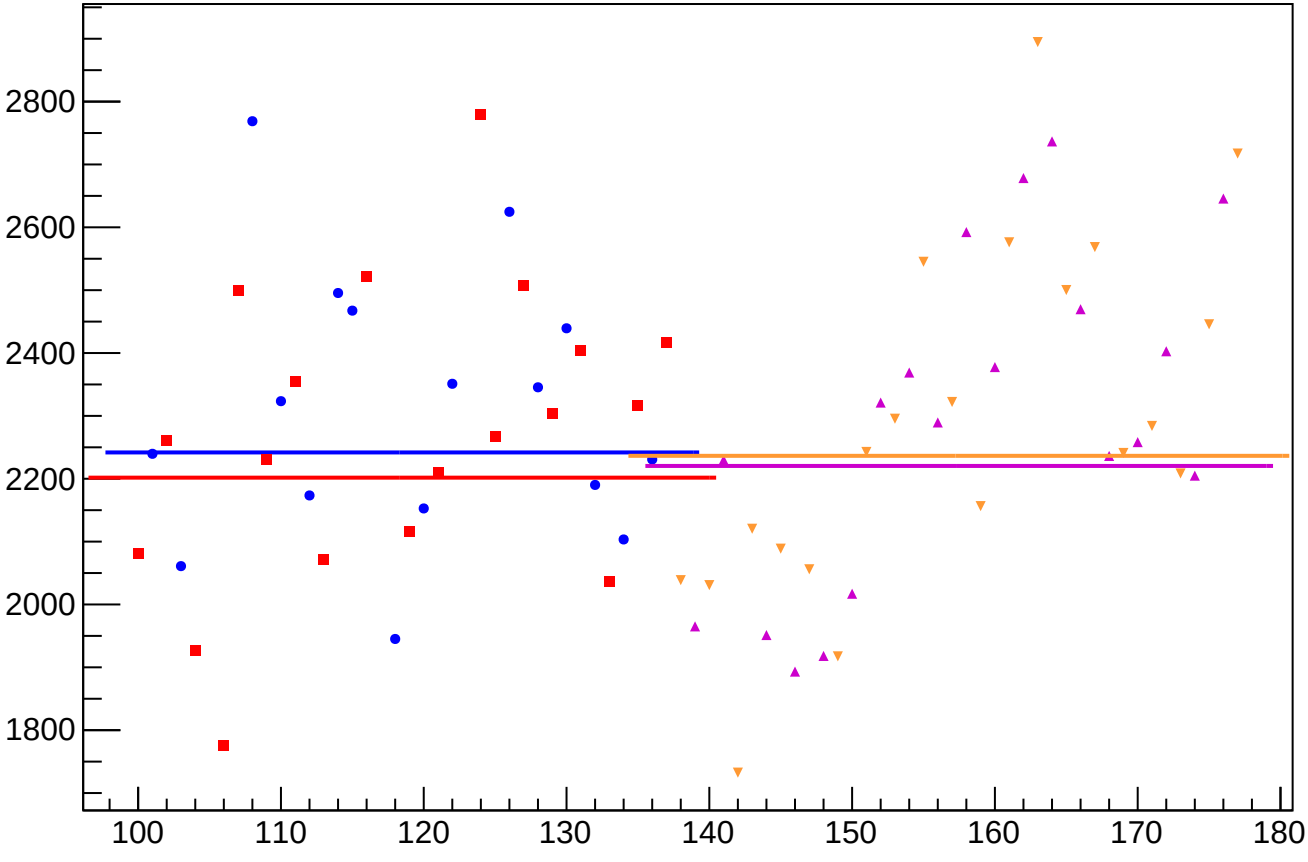
Right: 11.274+/-0.582 χ^2/NDF: 286.7/34

In: 4.796+/-0.471 χ^2/NDF:566.7/34

Out: 6.076+/-0.456 χ^2/NDF:202.7/39

All: 5.456+/-0.328 χ^2/NDF: 773.2/74

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2236.469+/-0.390 χ^2/NDF:427734.7/20

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

Left In: 2220.376+/-0.402 χ^2/NDF:373754.9/18

Left: 2228.668+/-0.280 χ^2/NDF: 802313.5/39

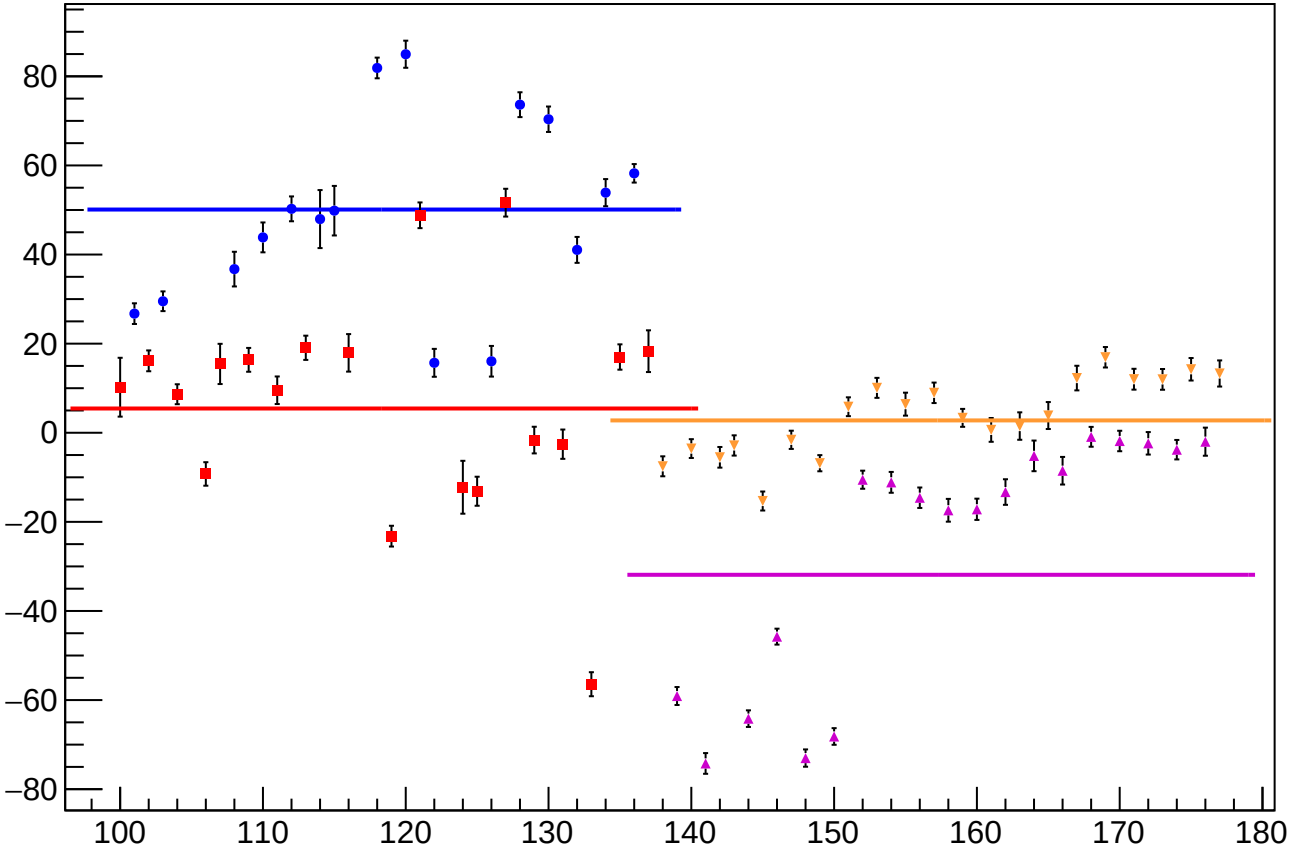
Right: 2221.106+/-0.412 χ^2/NDF: 234515.6/34

In: 2227.160+/-0.333 χ^2/NDF:476915.2/34

Out: 2225.441+/-0.322 χ^2/NDF:560130.9/39

All: 2226.273+/-0.232 χ^2/NDF: 1037059.8/74

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: 2.769+/-0.507 χ^2/NDF:291.3/20

Right Out: 5.444+/-0.694 χ^2/NDF: 1311.6/18

Left In: -31.882+/-0.520 χ^2/NDF:2930.4/18

Left: -14.108+/-0.363 χ^2/NDF: 5497.2/39

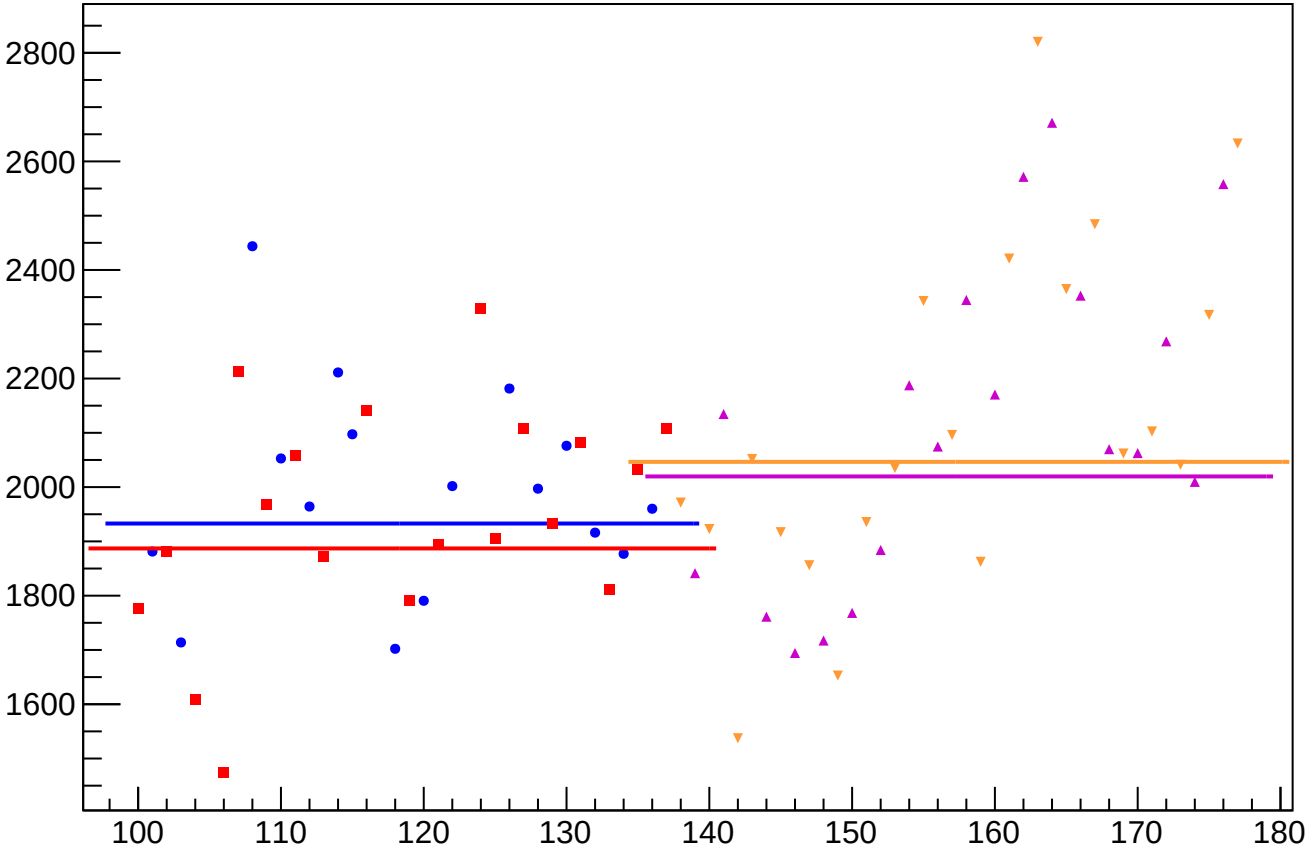
Right: 26.895+/-0.500 χ^2/NDF: 4187.6/34

In: -3.870+/-0.422 χ^2/NDF:12304.3/34

Out: 3.699+/-0.409 χ^2/NDF:1612.5/39

All: 0.030+/-0.294 χ^2/NDF: 14082.5/74

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 2046.539+/-0.358 χ^2/NDF:616249.0/20

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

Left In: 2019.663+/-0.368 χ^2/NDF:518717.8/18

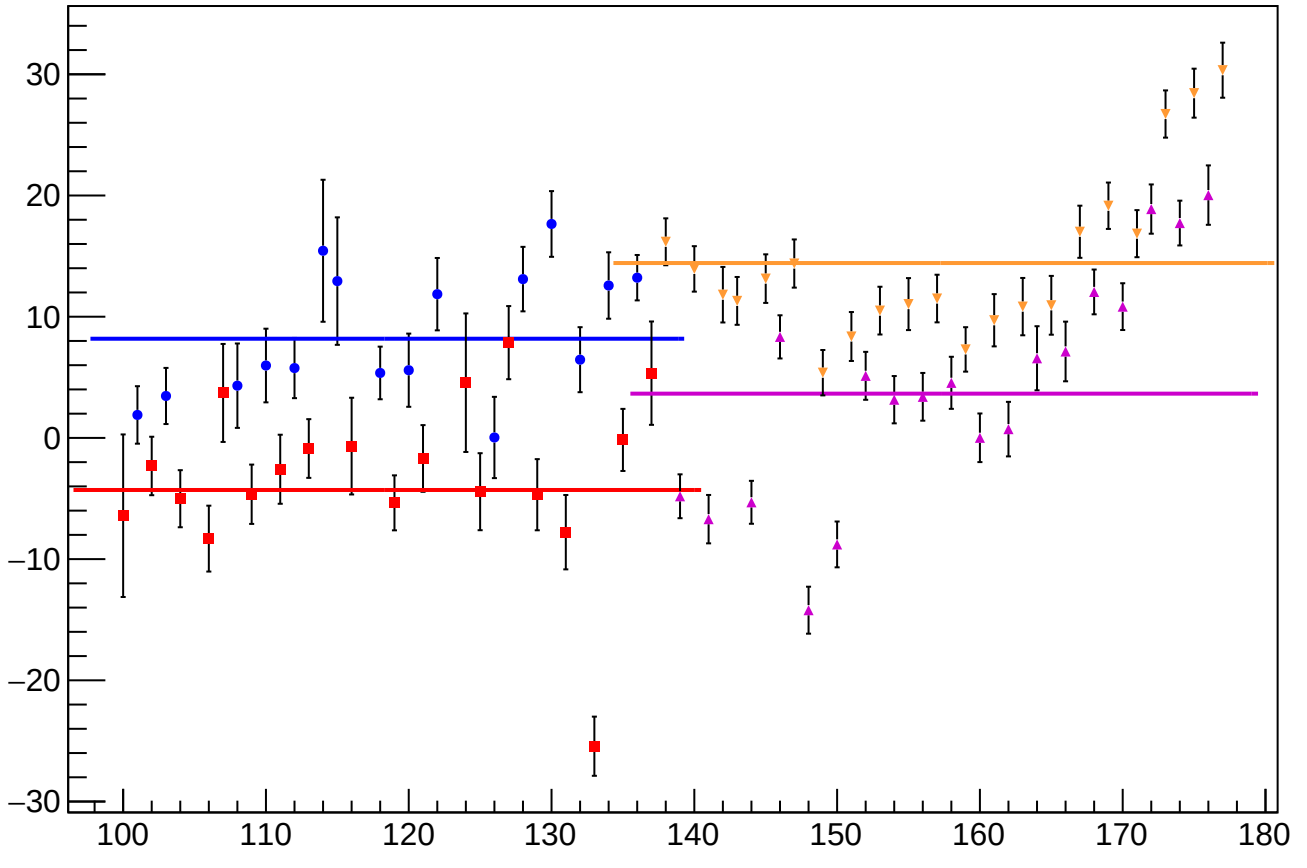
Left: 2033.448+/-0.257 χ^2/NDF: 1137704.7/39

Right: 1909.052+/-0.354 χ^2/NDF: 259912.9/34

In: 1990.020+/-0.298 χ^2/NDF:643690.4/34

Out: 1991.058+/-0.290 χ^2/NDF:834873.1/39

All: 1990.555+/-0.208 χ^2/NDF: 1478569.7/74



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 14.428+/-0.444 χ^2/NDF:216.5/20

Right Out: -4.297+/-0.665 χ^2/NDF: 114.0/18

Left In: 3.652+/-0.459 χ^2/NDF:412.0/18

Left: 9.225+/-0.319 χ^2/NDF: 913.6/39

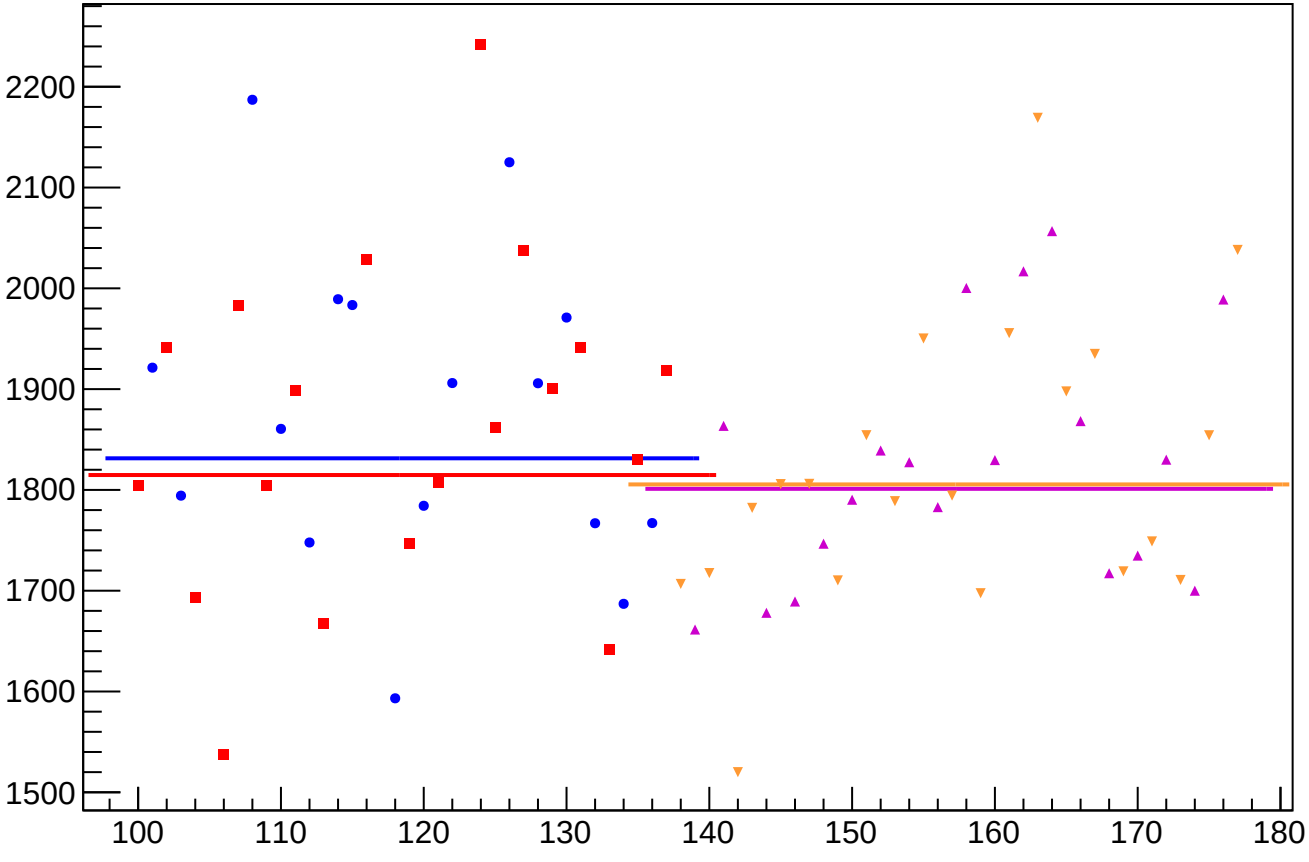
Right: 1.776+/-0.477 χ^2/NDF: 337.0/34

In: 5.060+/-0.381 χ^2/NDF:494.2/34

Out: 8.668+/-0.369 χ^2/NDF:878.7/39

All: 6.922+/-0.265 χ^2/NDF: 1419.2/74

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1805.459+/-0.314 χ^2/NDF:163278.7/20

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

Left In: 1801.080+/-0.325 χ^2/NDF:115087.5/18

Left: 1803.345+/-0.226 χ^2/NDF: 278460.4/39

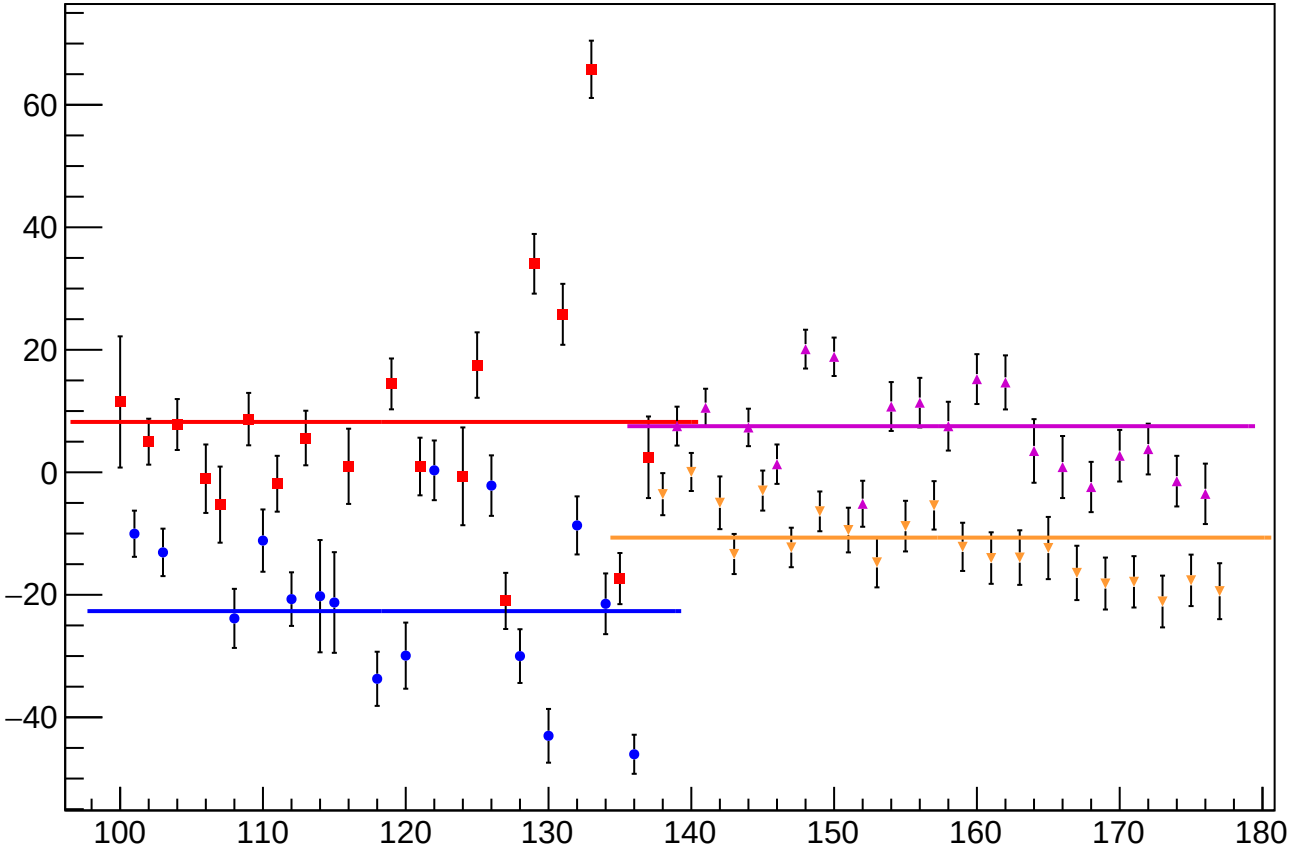
Right: 1822.844+/-0.337 χ^2/NDF: 178262.4/34

In: 1810.490+/-0.269 χ^2/NDF:204711.5/34

Out: 1808.325+/-0.261 χ^2/NDF:254288.7/39

All: 1809.373+/-0.187 χ^2/NDF: 459033.5/74

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -10.662+/-0.841 χ^2/NDF:50.9/20

Right Out: 8.224+/-1.129 χ^2/NDF: 294.8/18

Left In: 7.530+/-0.868 χ^2/NDF:72.6/18

Left: -1.849+/-0.604 χ^2/NDF: 350.0/39

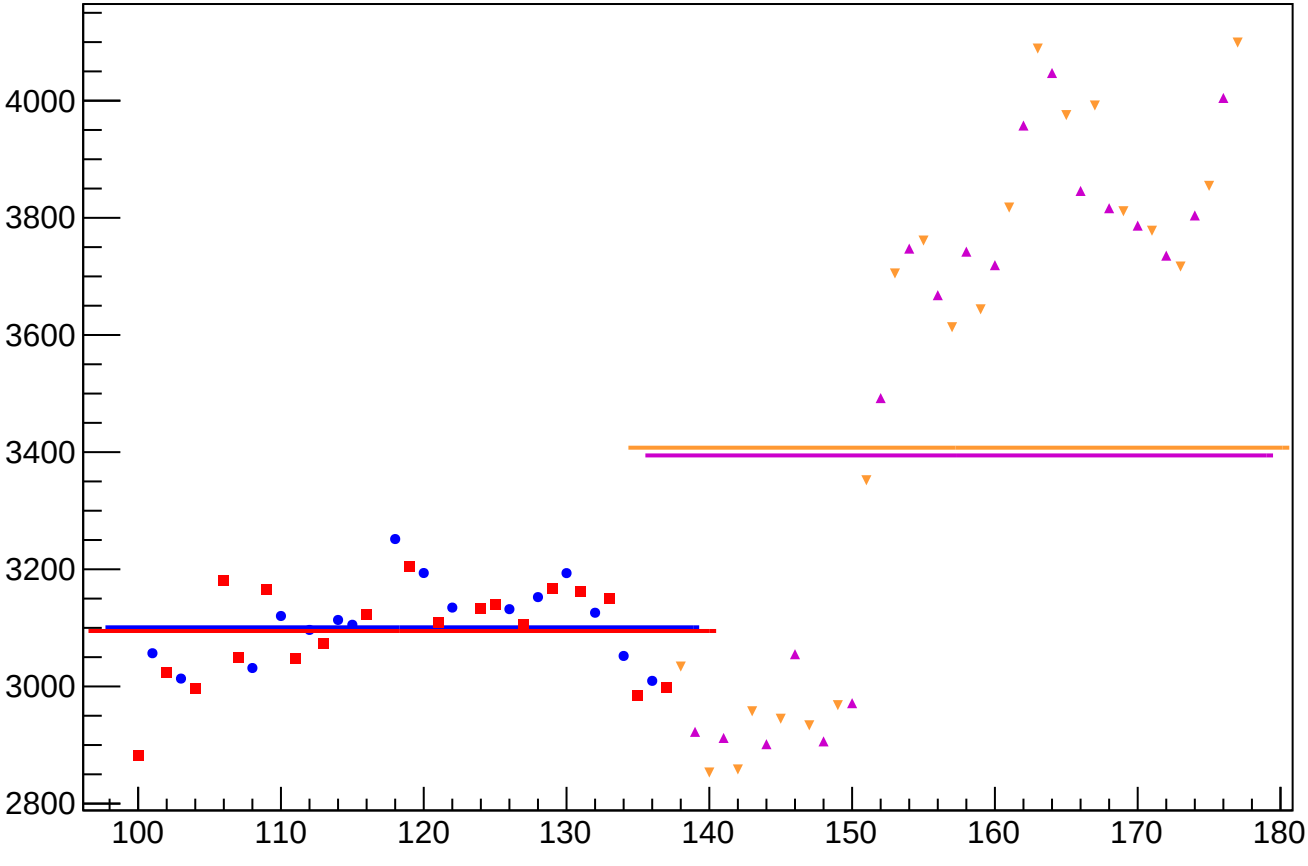
Right: -6.906+/-0.806 χ^2/NDF: 818.8/34

In: -3.405+/-0.693 χ^2/NDF:668.0/34

Out: -3.916+/-0.675 χ^2/NDF:525.7/39

All: -3.668+/-0.483 χ^2/NDF: 1193.9/74

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 3407.609+/-0.595 χ^2/NDF:554421.6/20

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

Left In: 3394.386+/-0.614 χ^2/NDF:487185.0/18

Left: 3401.203+/-0.427 χ^2/NDF: 1041845.8/39

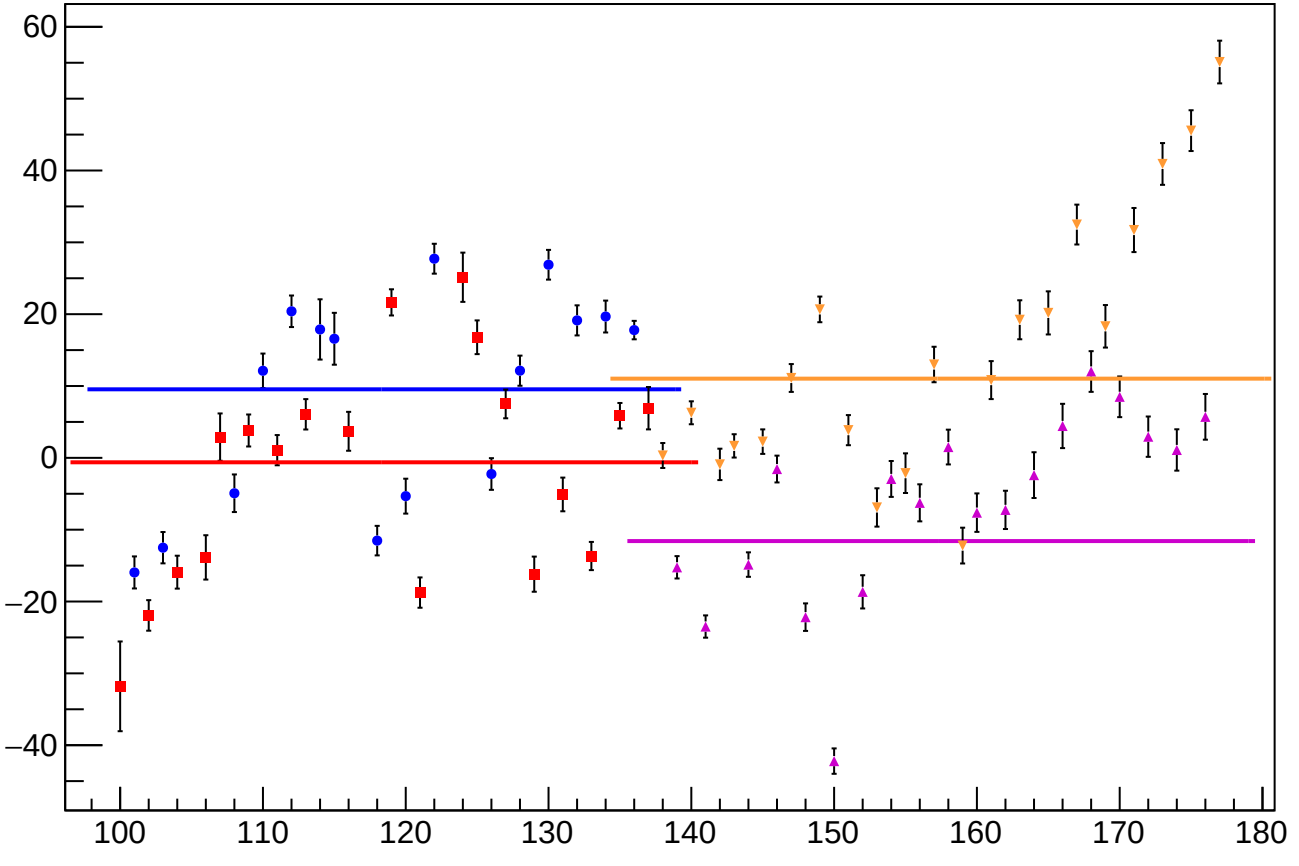
Right: 3097.751+/-0.570 χ^2/NDF: 16508.2/34

In: 3288.106+/-0.490 χ^2/NDF:577859.4/34

Out: 3295.832+/-0.477 χ^2/NDF:661801.0/39

All: 3292.074+/-0.342 χ^2/NDF: 1239788.0/74

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 11.025+/-0.491 χ^2/NDF:935.6/20

Right Out: -0.620+/-0.534 χ^2/NDF: 665.8/18

Left In: -11.586+/-0.513 χ^2/NDF:718.3/18

Left: 0.223+/-0.355 χ^2/NDF: 2668.5/39

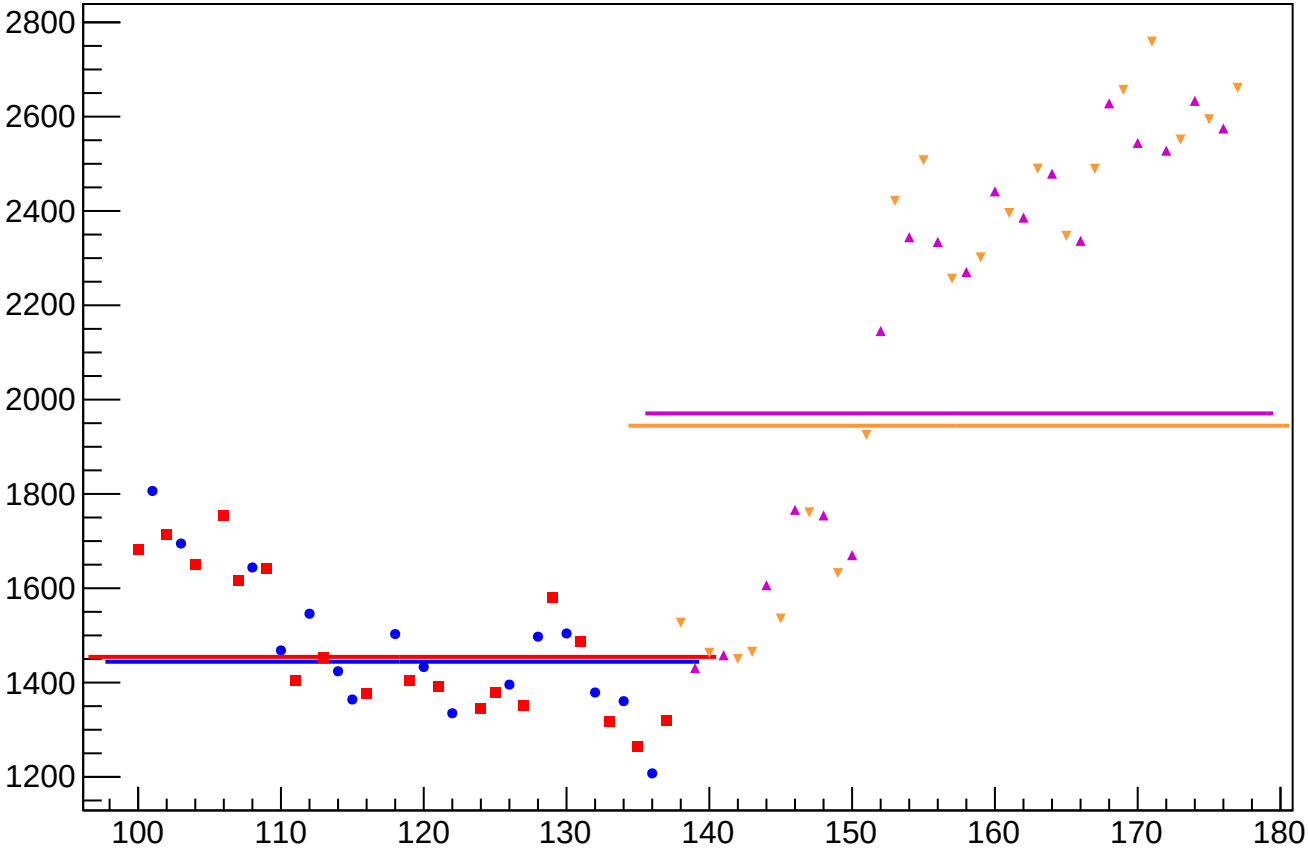
Right: 4.392+/-0.380 χ^2/NDF: 1543.1/34

In: -1.590+/-0.372 χ^2/NDF:2219.5/34

Out: 5.696+/-0.361 χ^2/NDF:1859.2/39

All: 2.163+/-0.259 χ^2/NDF: 4275.9/74

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1944.645+/-0.347 χ^2/NDF:1804626.4/20

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

Left In: 1970.704+/-0.363 χ^2/NDF:1420640.0/18

Left: 1957.095+/-0.251 χ^2/NDF: 3227962.1/39

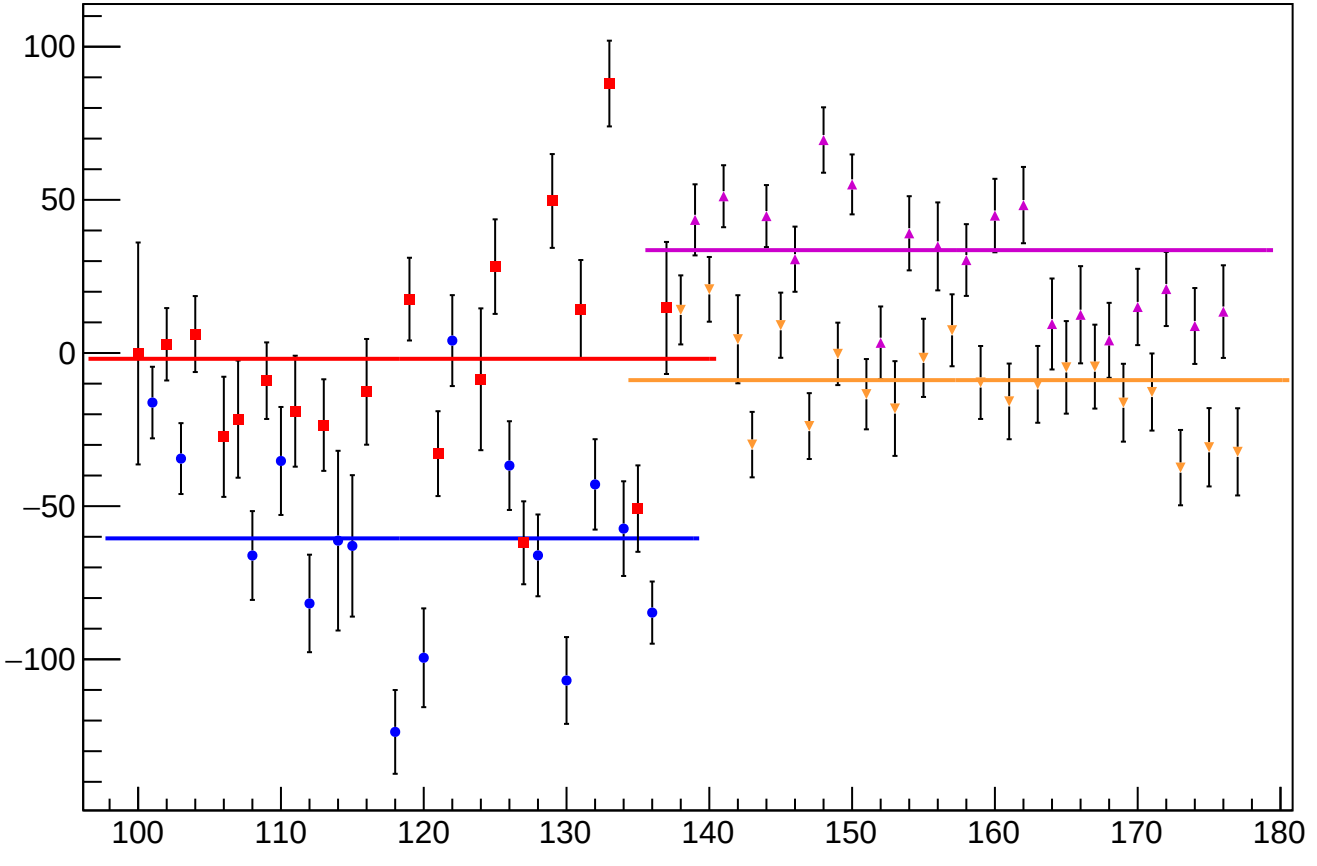
Right: 1449.398+/-0.269 χ^2/NDF: 323286.5/34

In: 1721.585+/-0.263 χ^2/NDF:2597718.7/34

Out: 1720.324+/-0.255 χ^2/NDF:2861017.6/39

All: 1720.935+/-0.183 χ^2/NDF: 5458748.0/74

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: -8.858+/-2.649 χ^2/NDF:37.0/20

Right Out: -1.894+/-3.543 χ^2/NDF: 103.8/18

Left In: 33.583+/-2.734 χ^2/NDF:49.5/18

Left: 11.694+/-1.902 χ^2/NDF: 210.8/39

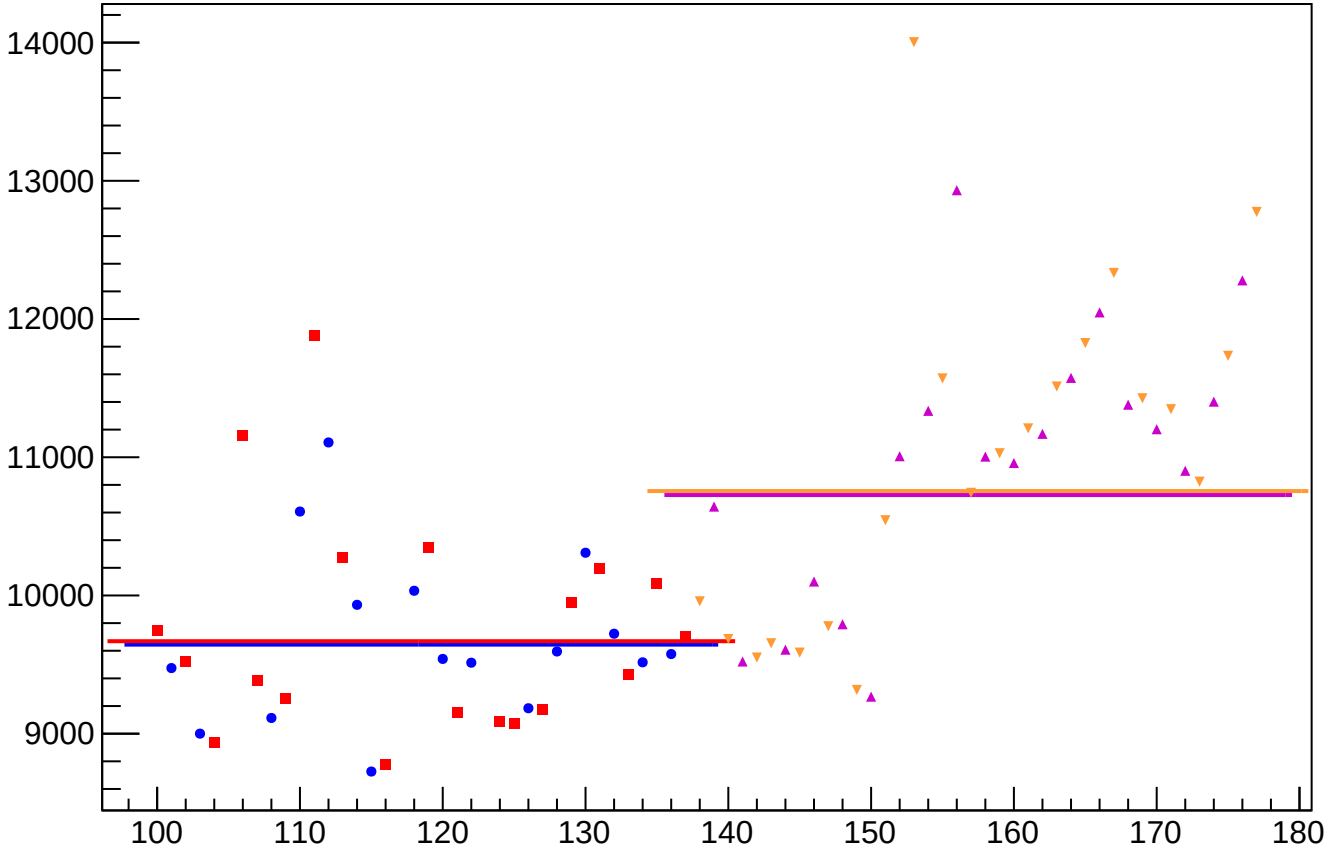
Right: -30.766+/-2.524 χ^2/NDF: 329.0/34

In: -0.878+/-2.176 χ^2/NDF:573.8/34

Out: -6.361+/-2.121 χ^2/NDF:143.3/39

All: -3.689+/-1.519 χ^2/NDF: 720.3/74

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 10755.424+/-1.873 χ^2/NDF:353031.1/20

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

Left In: 10726.640+/-1.933 χ^2/NDF:233760.3/18

Left: 10741.485+/-1.345 χ^2/NDF: 586905.8/39

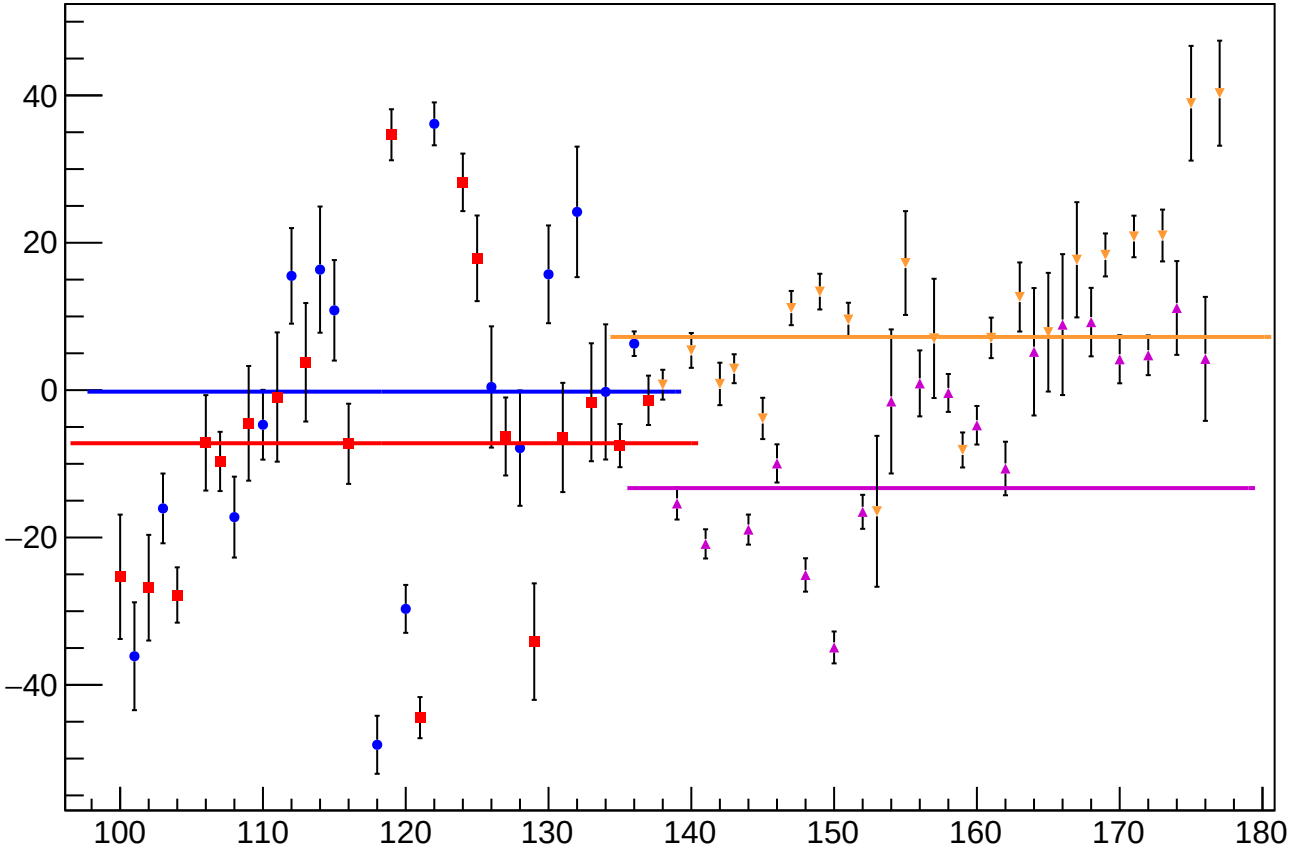
Right: 9656.951+/-1.785 χ^2/NDF: 124027.7/34

In: 10330.302+/-1.539 χ^2/NDF:392655.9/34

Out: 10365.910+/-1.500 χ^2/NDF:553514.4/39

All: 10348.560+/-1.074 χ^2/NDF: 946444.8/74

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 7.218+/-0.664 χ^2/NDF:190.1/20

Right Out: -7.206+/-1.074 χ^2/NDF: 485.6/18

Left In: -13.294+/-0.671 χ^2/NDF:327.4/18

Left: -2.935+/-0.472 χ^2/NDF: 990.0/39

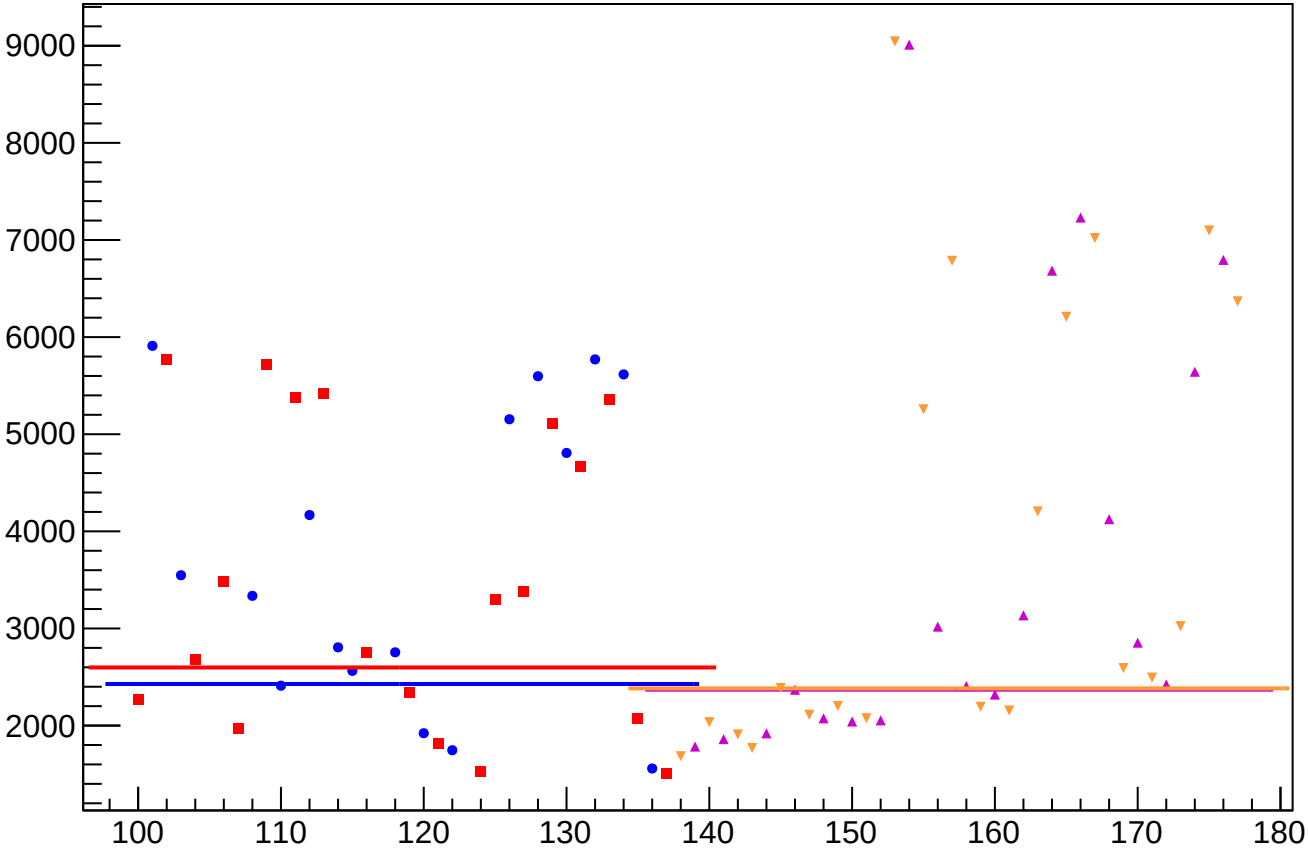
Right: -3.613+/-0.749 χ^2/NDF: 981.2/34

In: -9.478+/-0.564 χ^2/NDF:912.2/34

Out: 3.228+/-0.565 χ^2/NDF:806.3/39

All: -3.128+/-0.399 χ^2/NDF: 1971.7/74

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 2383.244+/-0.469 χ^2/NDF:5299579.3/20

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

Left In: 2369.528+/-0.474 χ^2/NDF:3972825.0/18

Left: 2376.455+/-0.334 χ^2/NDF: 9272826.8/39

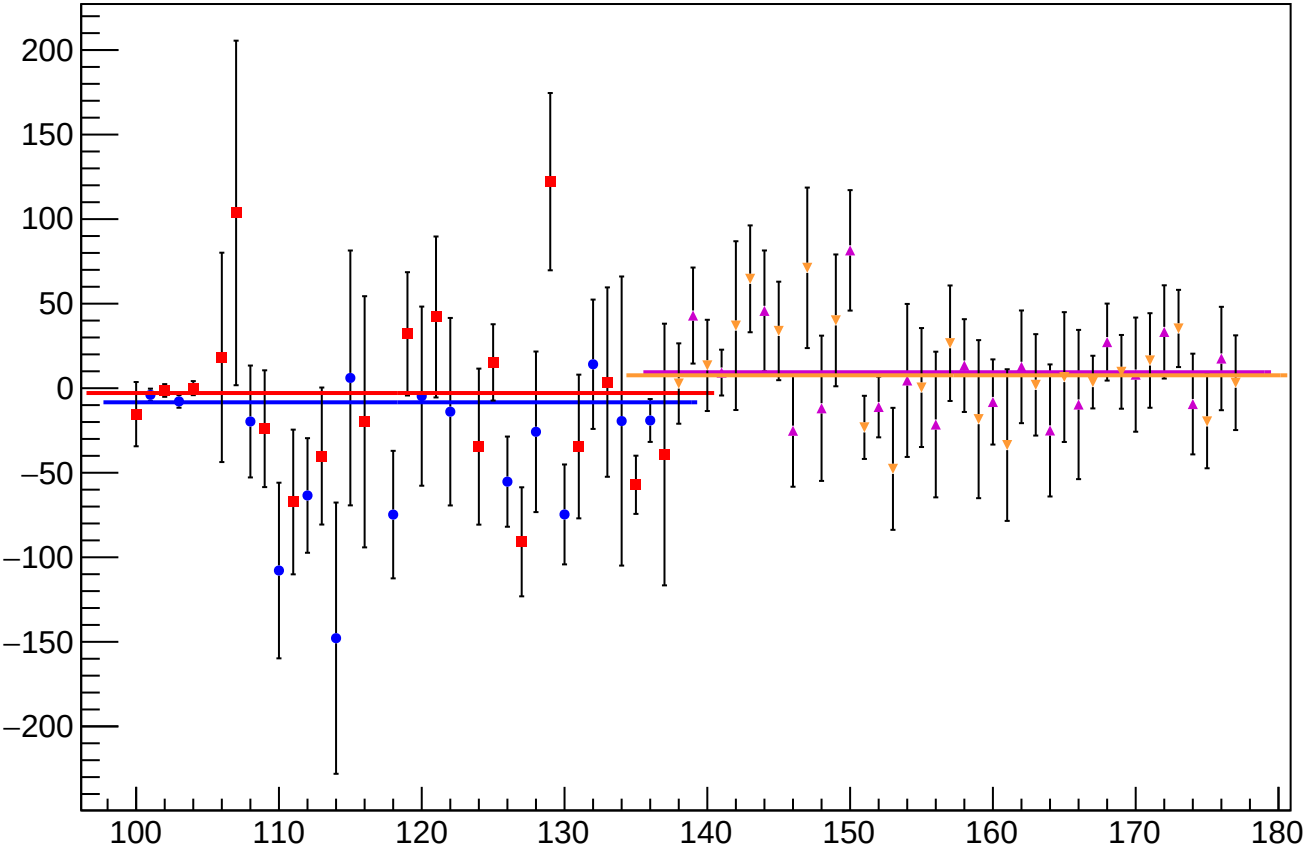
Right: 2510.930+/-0.530 χ^2/NDF: 5356082.2/34

In: 2386.600+/-0.399 χ^2/NDF:6792605.3/34

Out: 2442.743+/-0.399 χ^2/NDF:7872570.9/39

All: 2414.660+/-0.282 χ^2/NDF: 14675064.9/7

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 7.633+/-6.100 χ^2/NDF:16.2/20

Right Out: -2.848+/-2.640 χ^2/NDF: 32.6/18

Left In: 9.444+/-6.308 χ^2/NDF:13.0/18

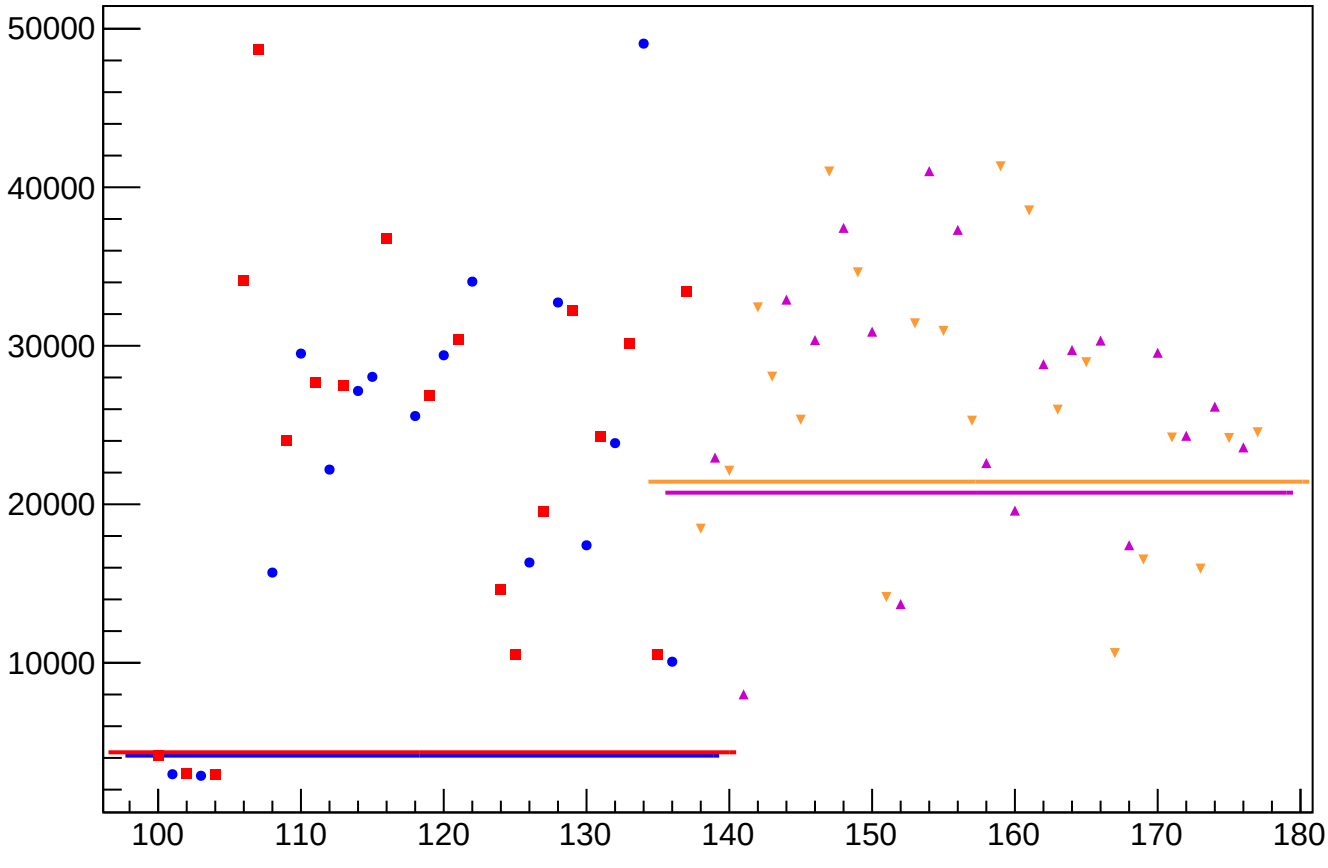
Left: 8.508+/-4.385 χ^2/NDF: 29.3/39

Right: -5.740+/-1.815 χ^2/NDF: 58.3/34

In: -5.920+/-2.324 χ^2/NDF:43.3/34

Out: -1.195+/-2.423 χ^2/NDF:51.4/39

All: -3.656+/-1.677 χ^2/NDF: 96.6/74



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 21426.032+/-4.314 χ^2/NDF:3473381.9/20

Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

Left In: 20733.264+/-4.461 χ^2/NDF:4275595.8/18

Left: 21091.254+/-3.101 χ^2/NDF: 7761442.2/39

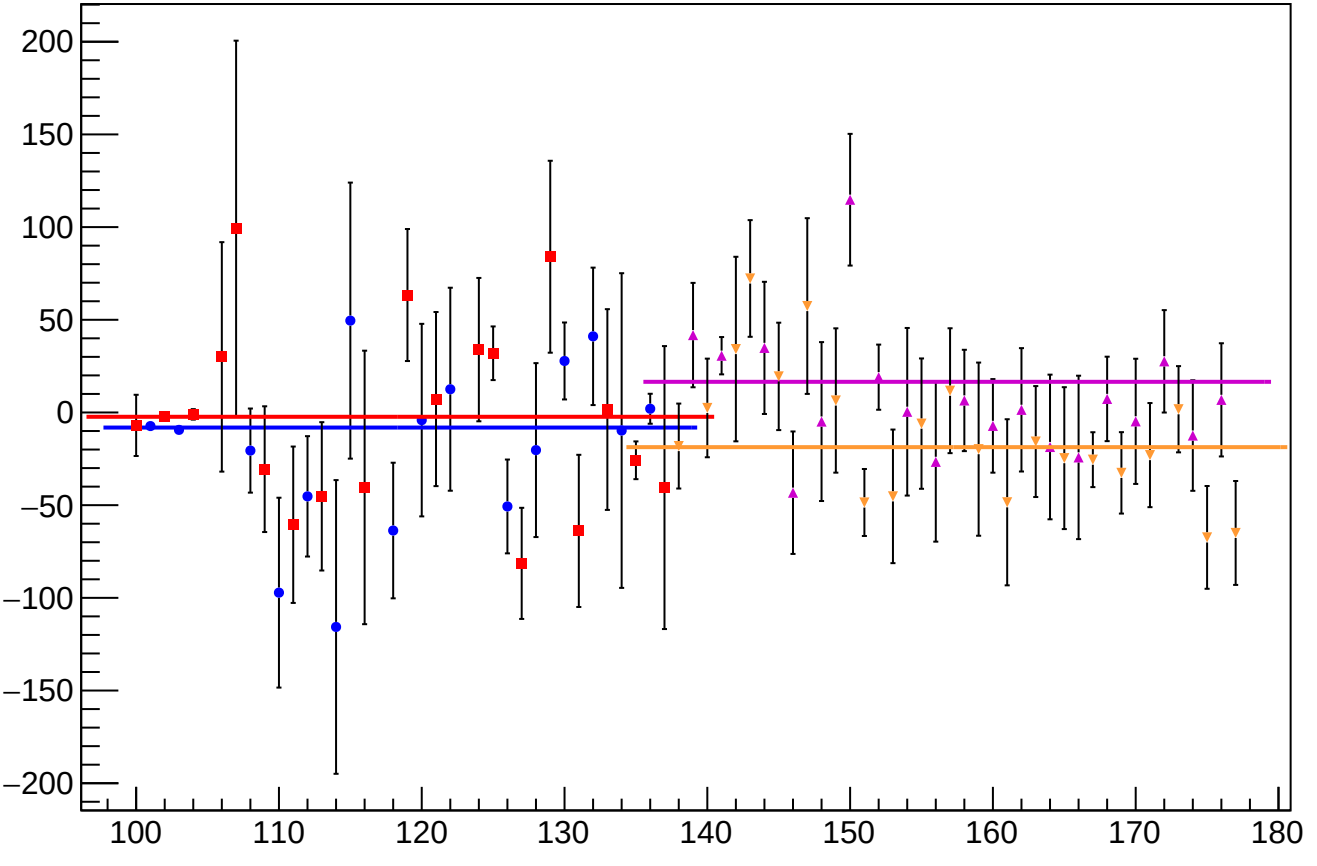
Right: 4244.429+/-1.283 χ^2/NDF: 14468301.6/34

In: 6396.417+/-1.643 χ^2/NDF:23064826.6/34

Out: 7046.623+/-1.713 χ^2/NDF:24291184.0/39

All: 6707.981+/-1.186 χ^2/NDF: 47431050.5/7

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -18.705+/-6.016 χ^2/NDF:26.8/20

Right Out: -2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: 16.539+/-5.799 χ^2/NDF:20.0/18

Left: -0.436+/-4.175 χ^2/NDF: 64.6/39

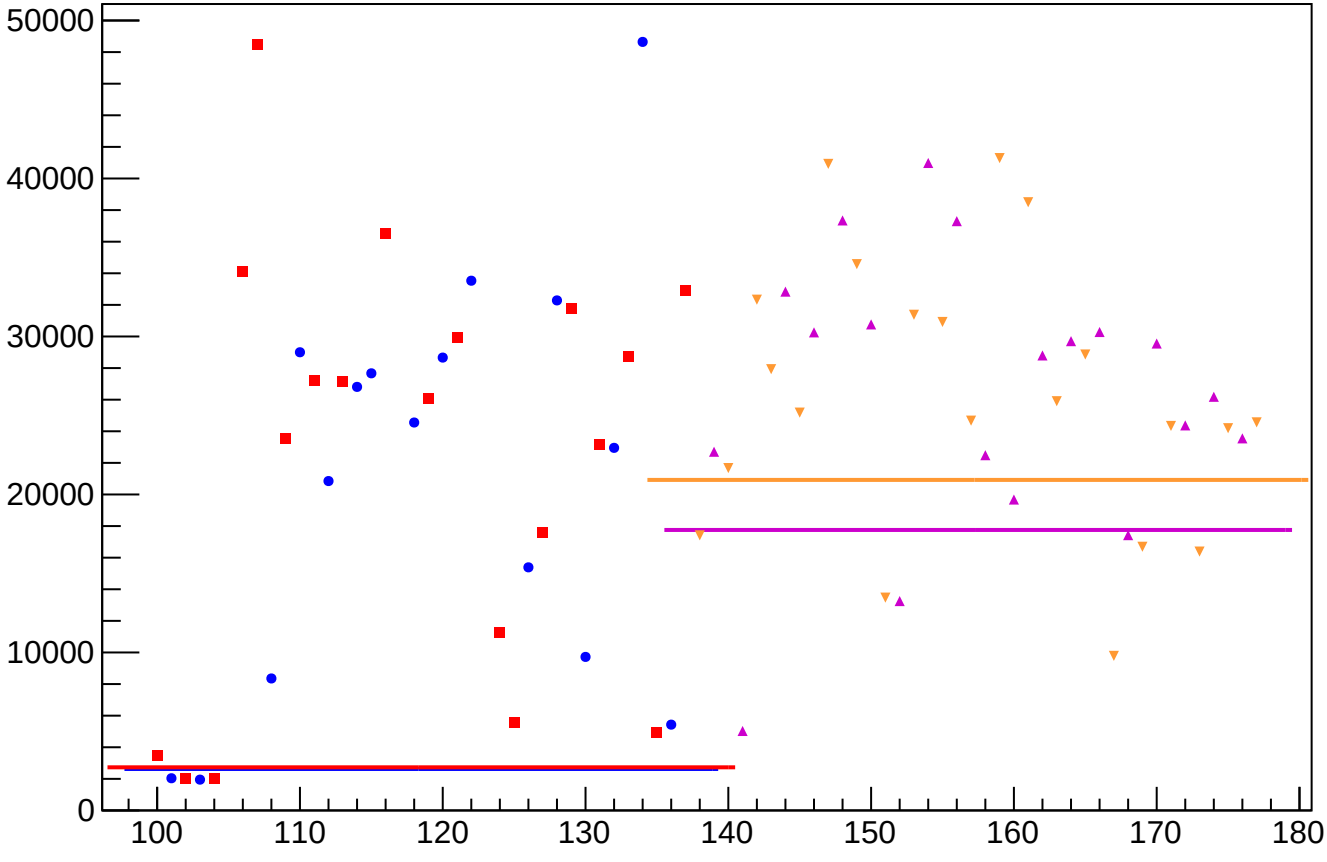
Right: -5.394+/-1.251 χ^2/NDF: 57.5/34

In: -6.137+/-1.649 χ^2/NDF:55.8/34

Out: -3.701+/-1.743 χ^2/NDF:66.6/39

All: -4.986+/-1.198 χ^2/NDF: 123.4/74

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 20921.769+/-4.254 χ^2/NDF:3796020.9/20

Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 17754.176+/-4.100 χ^2/NDF:6893144.4/18

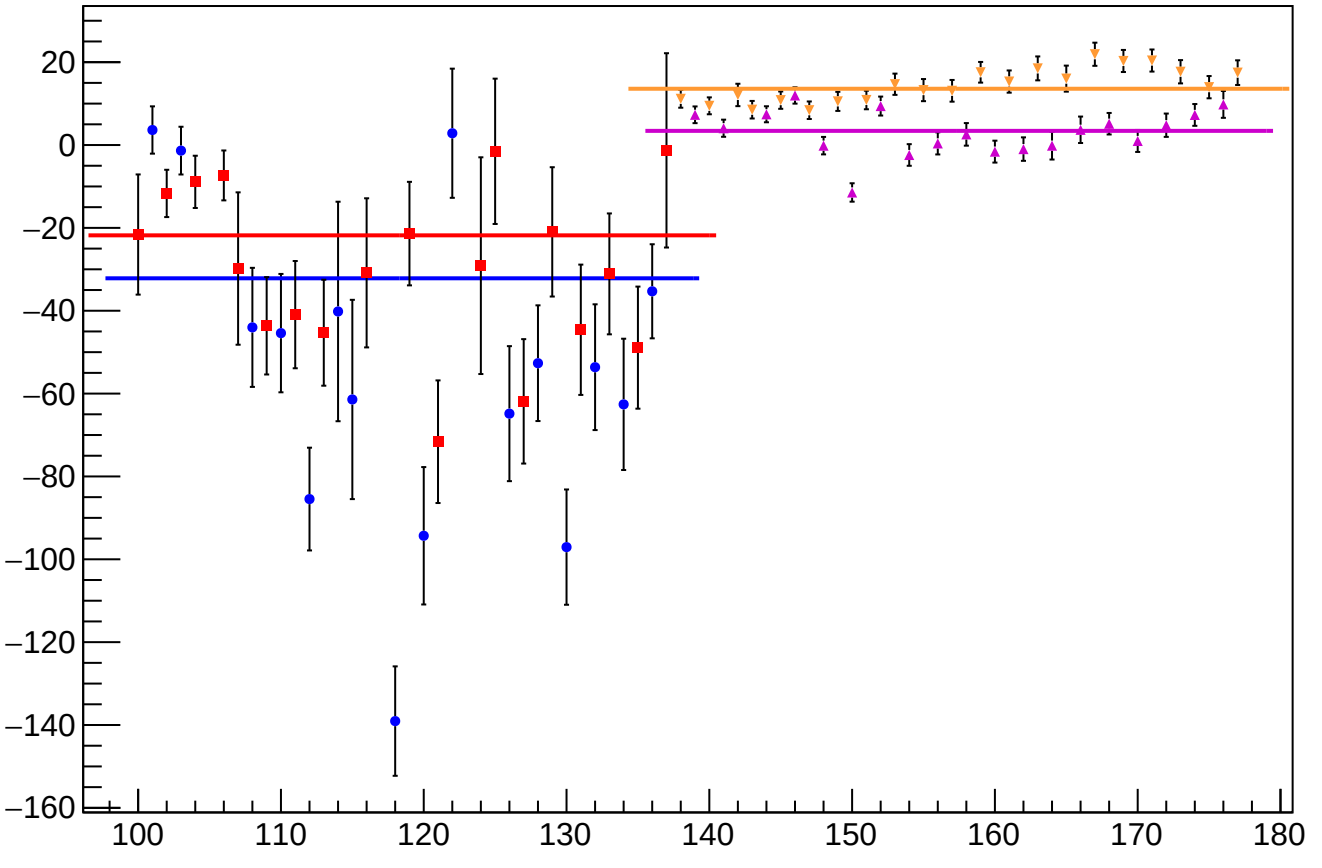
Left: 19279.853+/-2.952 χ^2/NDF: 10976587.7/39

Right: 2675.367+/-0.884 χ^2/NDF: 14770301.6/34

In: 3850.179+/-1.166 χ^2/NDF:26183604.8/34

Out: 4258.197+/-1.233 χ^2/NDF:28534417.9/39

All: 4042.875+/-0.847 χ^2/NDF: 54775827.5/7



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 13.585+/-0.542 χ^2/NDF:54.6/20

Right Out: -21.801+/-2.557 χ^2/NDF: 49.1/18

Left In: 3.420+/-0.563 χ^2/NDF:102.5/18

Left: 8.693+/-0.390 χ^2/NDF: 326.3/39

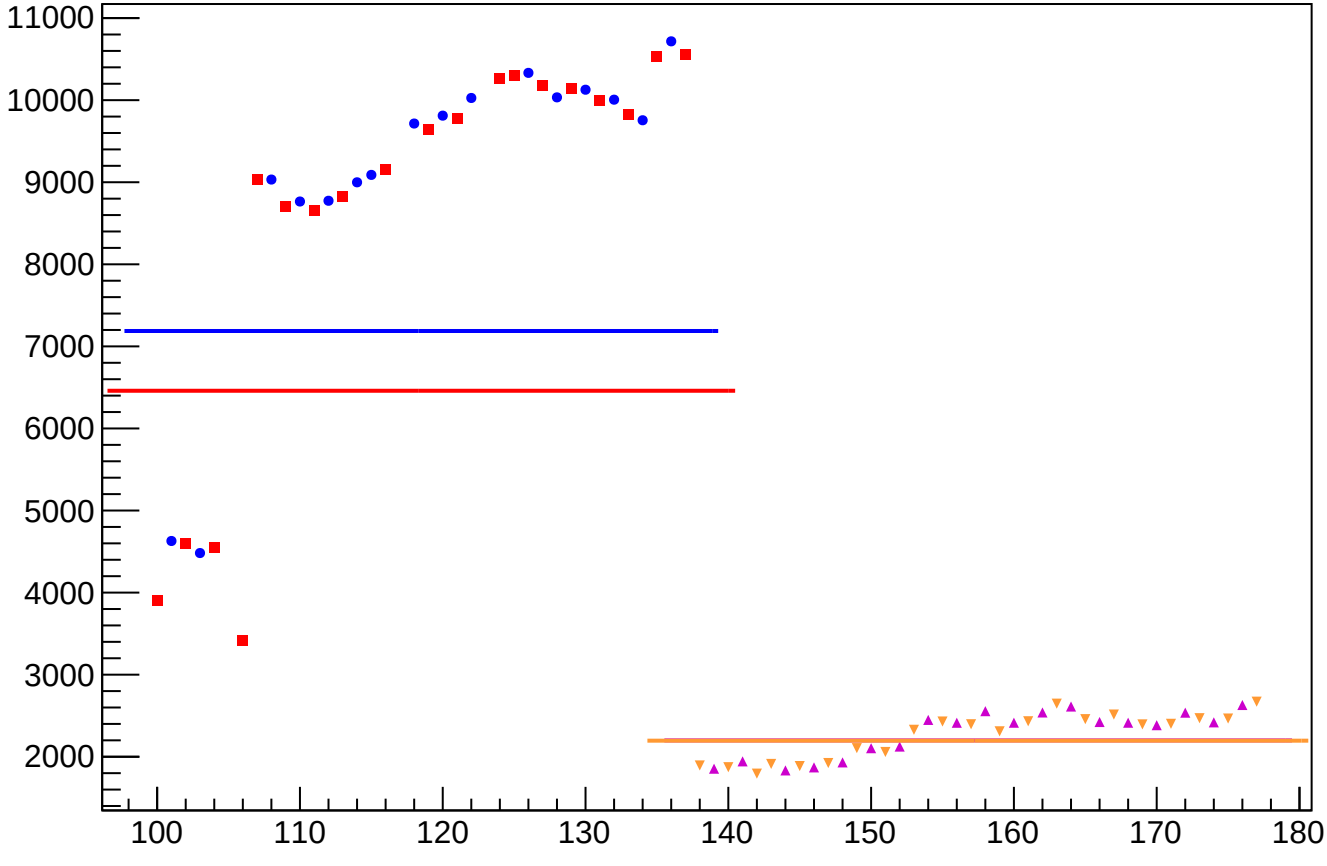
Right: -26.441+/-1.901 χ^2/NDF: 264.2/34

In: 2.076+/-0.552 χ^2/NDF:461.2/34

Out: 12.063+/-0.530 χ^2/NDF:286.9/39

All: 7.271+/-0.382 χ^2/NDF: 918.3/74

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 2195.838+/-0.383 χ^2/NDF:511007.7/20

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

Left In: 2199.135+/-0.398 χ^2/NDF:503849.3/18

Left: 2197.424+/-0.276 χ^2/NDF: 1014892.6/39

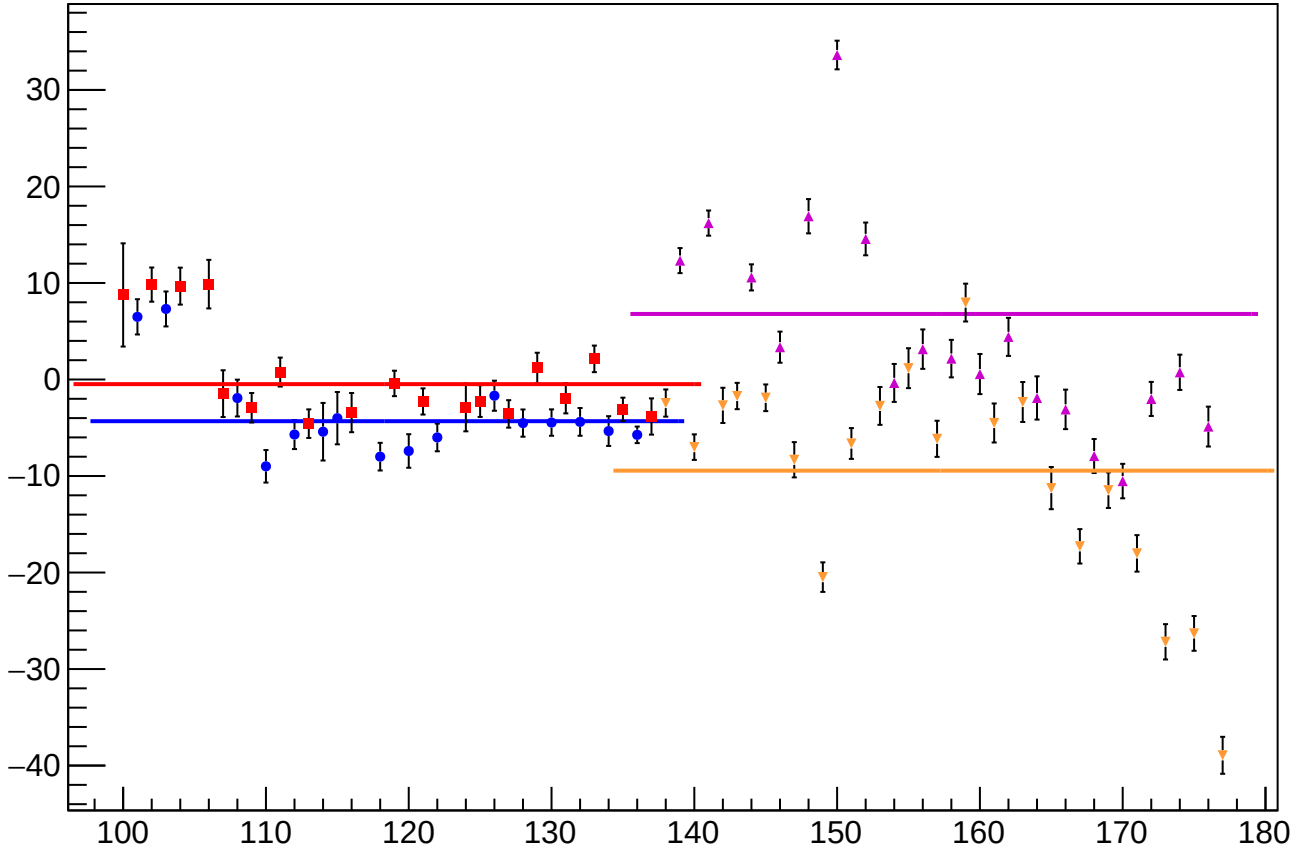
Right: 6785.150+/-1.344 χ^2/NDF: 4054781.5/34

In: 2387.449+/-0.390 χ^2/NDF:8139652.9/34

Out: 2379.177+/-0.375 χ^2/NDF:8107176.1/39

All: 2383.146+/-0.270 χ^2/NDF: 16247062.4/7

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -9.445+/-0.377 χ^2/NDF:757.6/20

Right Out: -0.481+/-0.379 χ^2/NDF: 117.2/18

Left In: 6.790+/-0.395 χ^2/NDF:764.8/18

Left: -1.714+/-0.273 χ^2/NDF: 2407.3/39

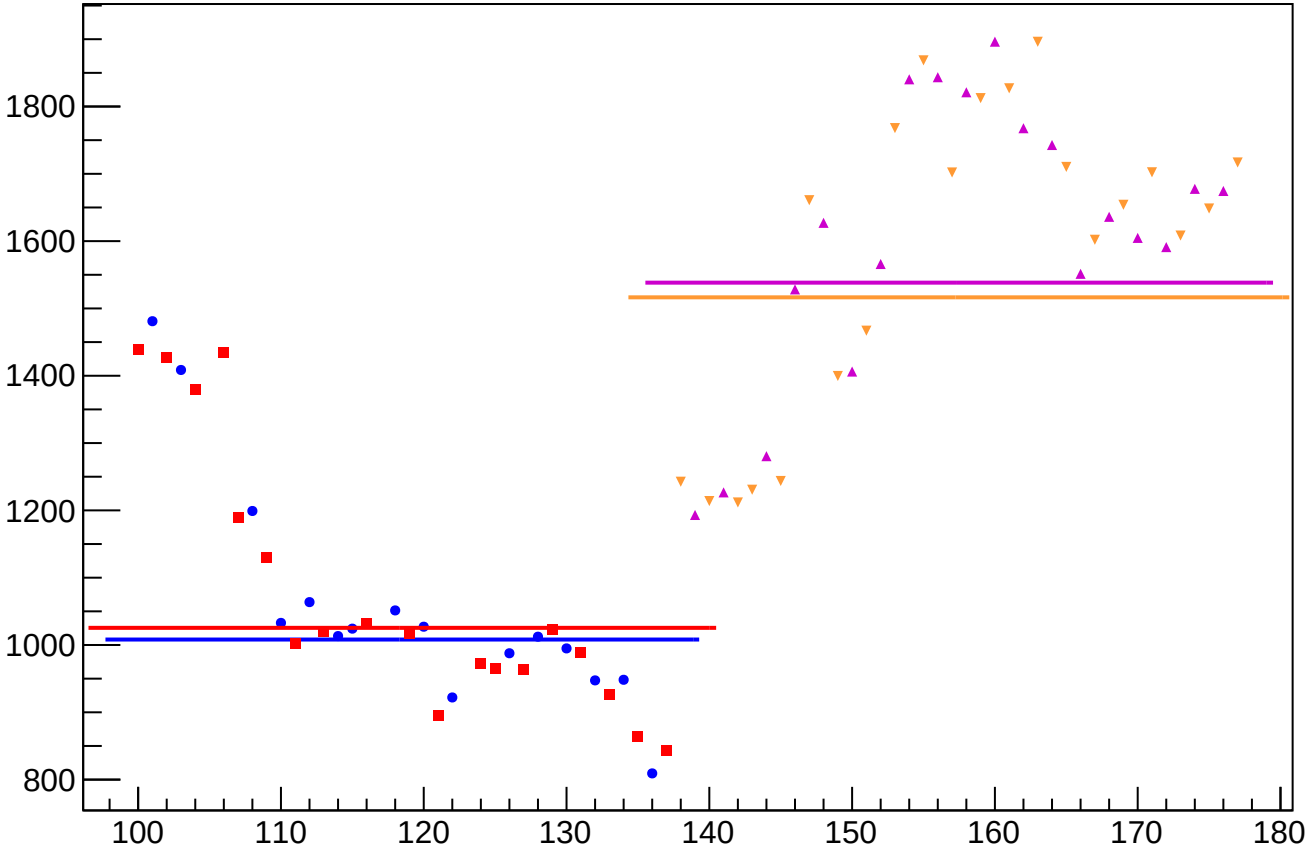
Right: -2.394+/-0.268 χ^2/NDF: 272.1/34

In: 1.017+/-0.274 χ^2/NDF:1279.6/34

Out: -4.987+/-0.267 χ^2/NDF:1156.5/39

All: -2.060+/-0.191 χ^2/NDF: 2682.6/74

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1516.499+/-0.266 χ^2/NDF:787020.6/20

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

Left In: 1538.318+/-0.279 χ^2/NDF:617975.3/18

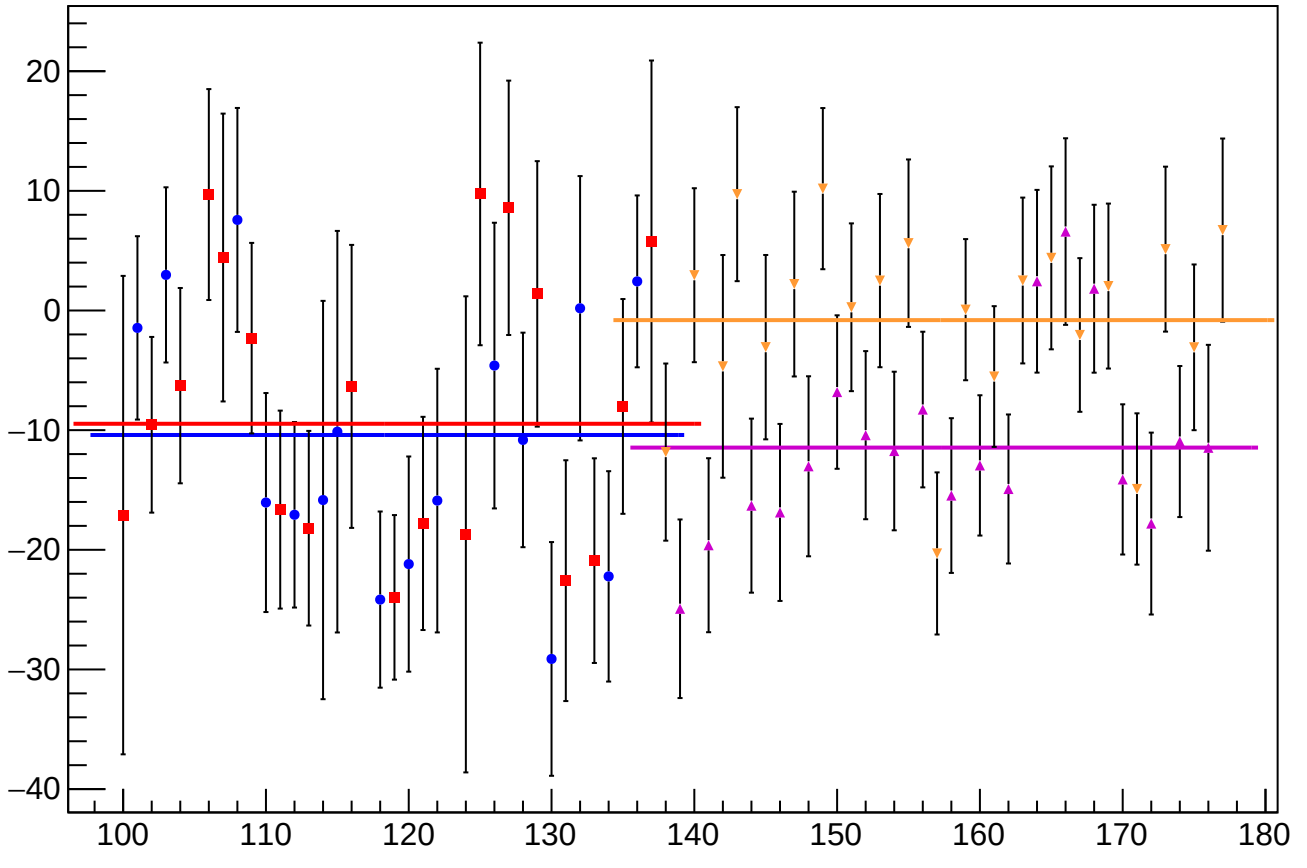
Left: 1526.889+/-0.193 χ^2/NDF: 1408192.9/39

Right: 1016.826+/-0.190 χ^2/NDF: 726925.8/34

In: 1262.792+/-0.194 χ^2/NDF:2869566.4/34

Out: 1272.327+/-0.189 χ^2/NDF:2823643.1/39

All: 1267.678+/-0.135 χ^2/NDF: 5694452.9/74



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: -0.805+/-1.525 χ^2/NDF:25.4/20

Right Out: -9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: -11.458+/-1.588 χ^2/NDF:20.2/18

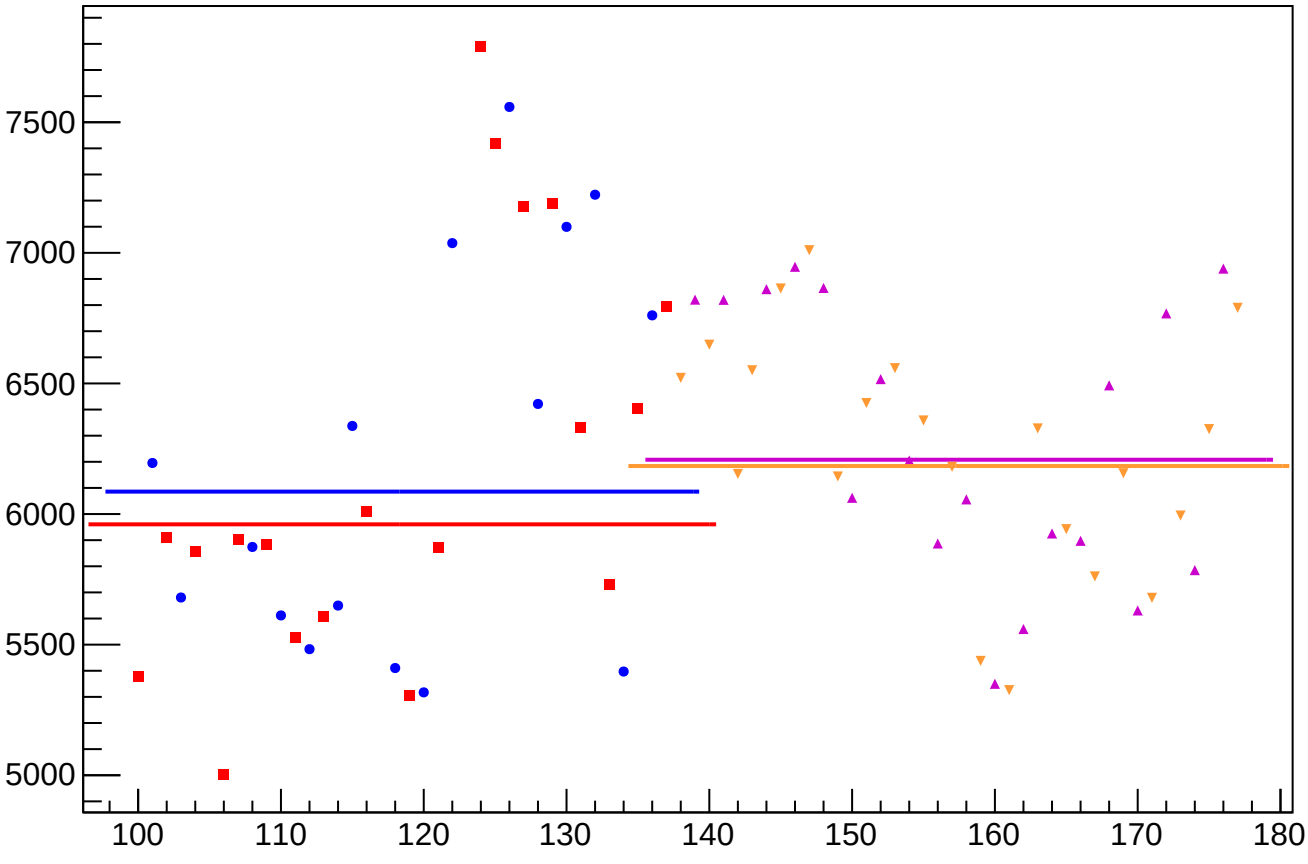
Left: -5.918+/-1.100 χ^2/NDF: 69.0/39

Right: -9.917+/-1.580 χ^2/NDF: 50.1/34

In: -11.114+/-1.303 χ^2/NDF:45.0/34

Out: -3.633+/-1.252 χ^2/NDF:61.3/39

All: -7.224+/-0.903 χ^2/NDF: 123.4/74



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6183.793+/-1.079 χ^2/NDF:178681.8/20

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

Left In: 6207.933+/-1.123 χ^2/NDF:214759.5/18

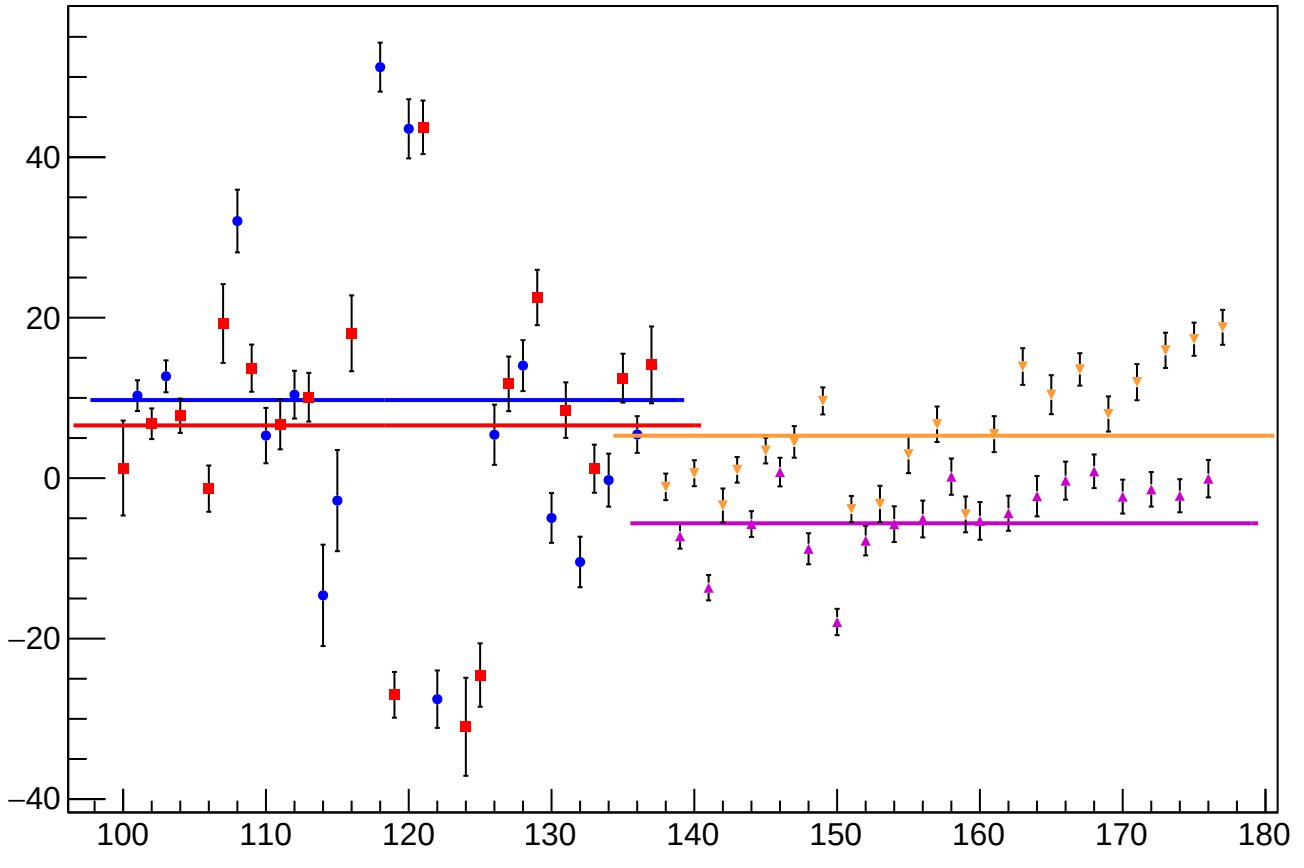
Left: 6195.379+/-0.778 χ^2/NDF: 393681.8/39

Right: 6020.747+/-1.117 χ^2/NDF: 345029.9/34

In: 6168.072+/-0.921 χ^2/NDF:397738.4/34

Out: 6110.932+/-0.885 χ^2/NDF:355432.7/39

All: 6138.360+/-0.638 χ^2/NDF: 755171.3/74



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 5.292+/-0.431 χ^2/NDF:263.3/20

Right Out: 6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: -5.627+/-0.454 χ^2/NDF:138.1/18

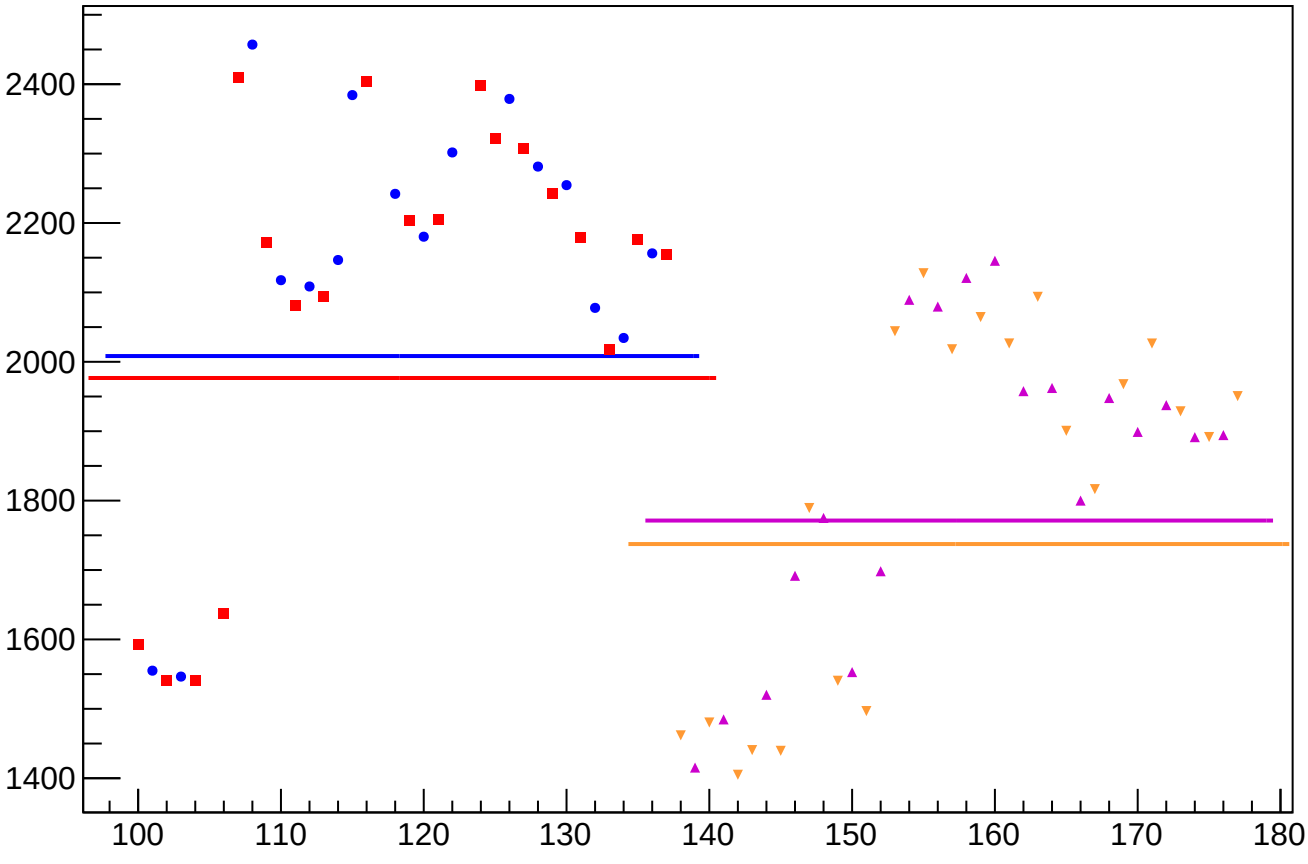
Left: 0.118+/-0.312 χ^2/NDF: 705.7/39

Right: 8.102+/-0.525 χ^2/NDF: 945.2/34

In: -1.548+/-0.389 χ^2/NDF:954.5/34

Out: 5.623+/-0.371 χ^2/NDF:689.3/39

All: 2.207+/-0.268 χ^2/NDF: 1821.8/74



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1737.426+/-0.305 χ^2/NDF:728318.1/20

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

Left In: 1771.275+/-0.321 χ^2/NDF:511338.4/18

Left: 1753.466+/-0.221 χ^2/NDF: 1245507.7/39

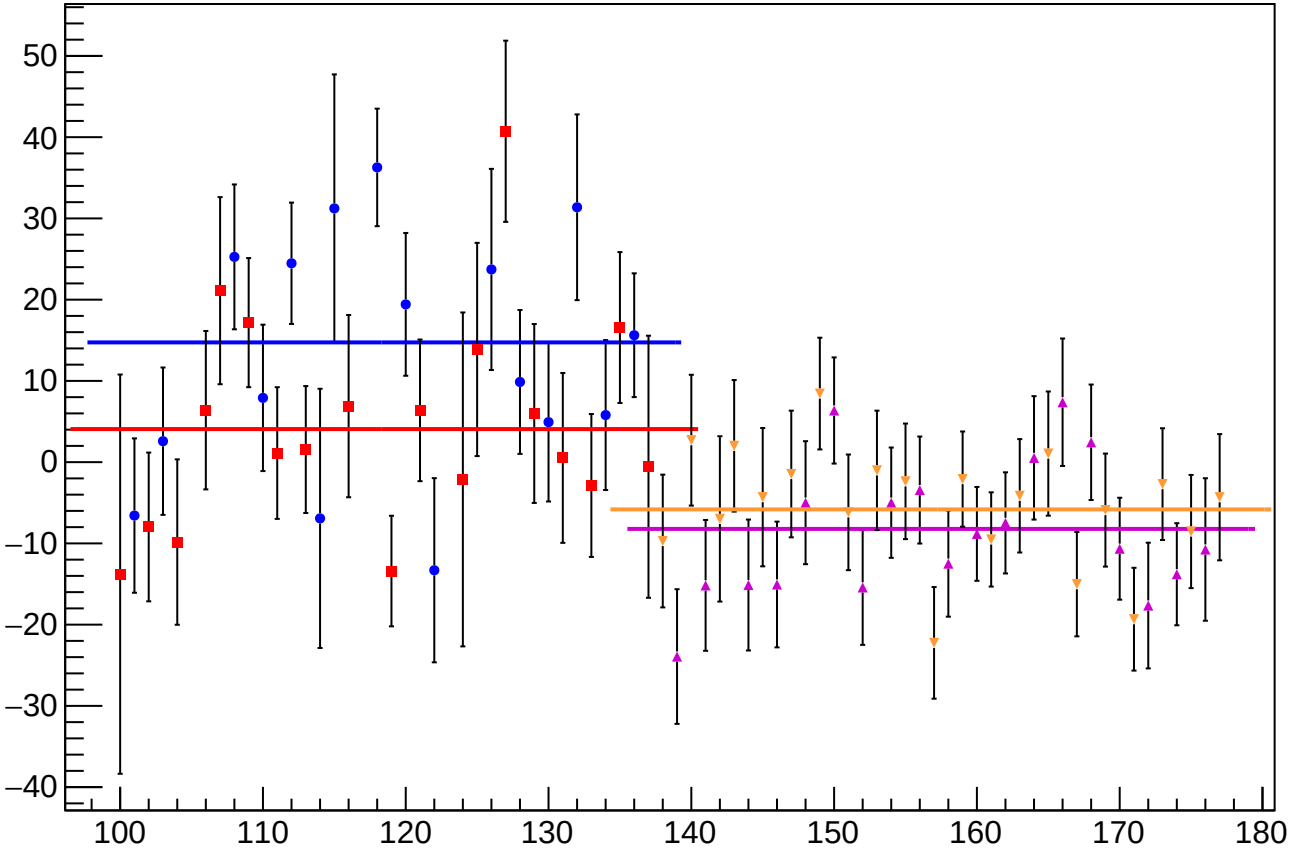
Right: 1991.963+/-0.371 χ^2/NDF: 711574.8/34

In: 1834.213+/-0.275 χ^2/NDF:1000524.8/34

Out: 1799.183+/-0.262 χ^2/NDF:1252924.5/39

All: 1815.871+/-0.190 χ^2/NDF: 2261940.9/74

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -5.816+/-1.561 χ^2/NDF:22.0/20

Right Out: 4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: -8.217+/-1.621 χ^2/NDF:23.3/18

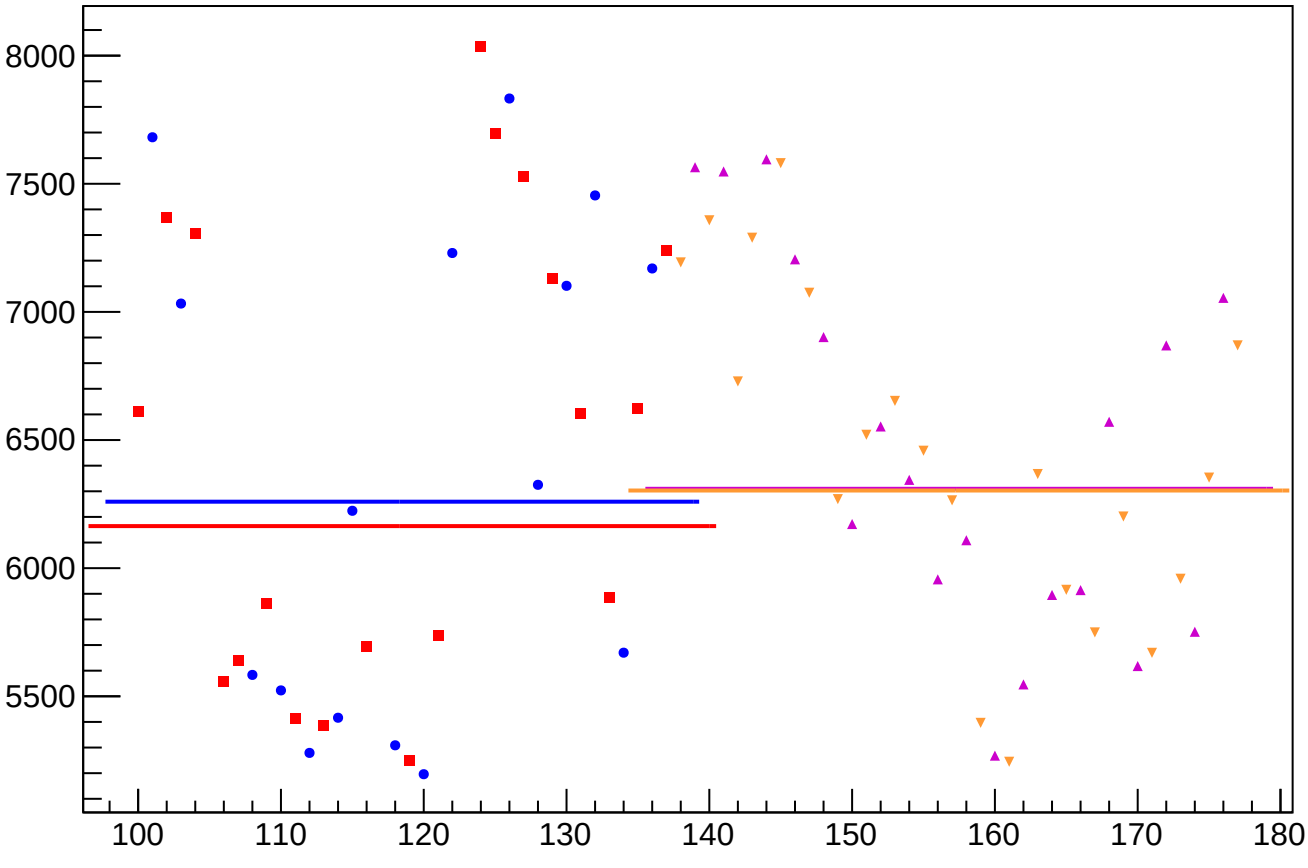
Left: -6.971+/-1.124 χ^2/NDF: 46.4/39

Right: 9.212+/-1.637 χ^2/NDF: 74.3/34

In: -0.851+/-1.335 χ^2/NDF:121.2/34

Out: -2.650+/-1.287 χ^2/NDF:65.0/39

All: -1.784+/-0.927 χ^2/NDF: 187.2/74



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 6303.040+/-1.103 χ^2/NDF:334211.3/20

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

Left In: 6309.722+/-1.146 χ^2/NDF:367856.9/18

Left: 6306.255+/-0.795 χ^2/NDF: 702085.8/39

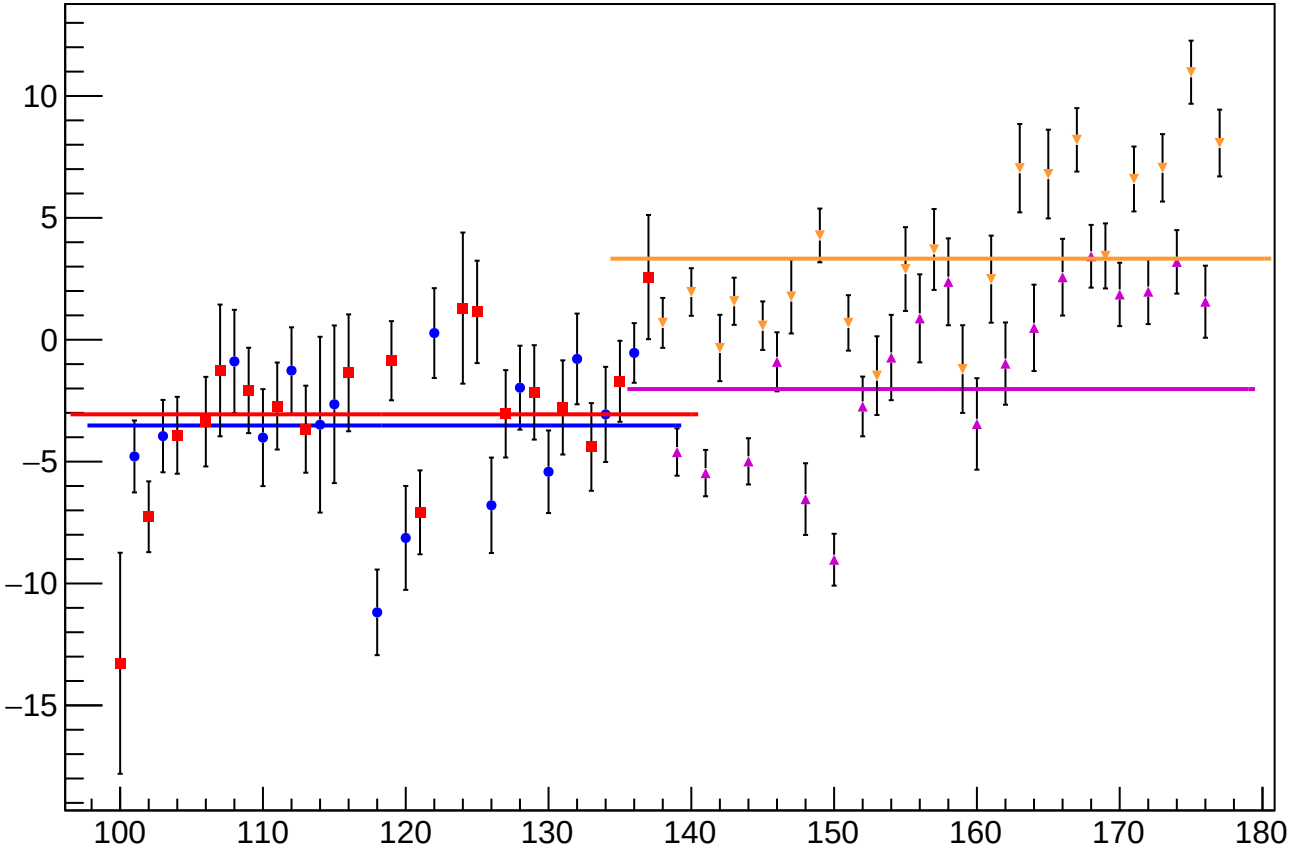
Right: 6210.053+/-1.157 χ^2/NDF: 575357.6/34

In: 6293.581+/-0.944 χ^2/NDF:677082.1/34

Out: 6258.564+/-0.910 χ^2/NDF:604343.6/39

All: 6275.421+/-0.655 χ^2/NDF: 1282138.8/74

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 3.326+/-0.285 χ^2/NDF:131.5/20

Right Out: -3.059+/-0.438 χ^2/NDF: 34.8/18

Left In: -2.024+/-0.300 χ^2/NDF:162.5/18

Left: 0.794+/-0.207 χ^2/NDF: 461.0/39

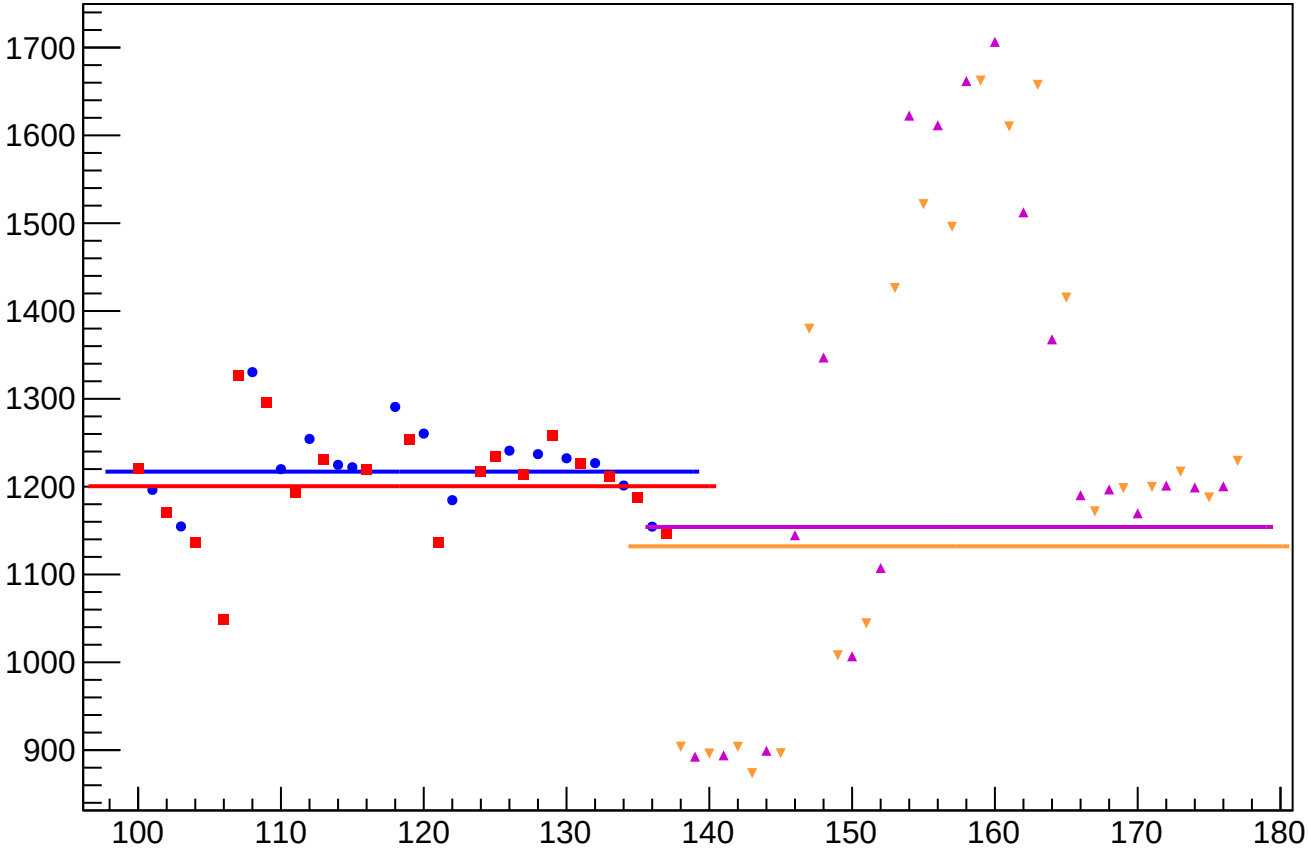
Right: -3.281+/-0.315 χ^2/NDF: 80.4/34

In: -2.481+/-0.250 χ^2/NDF:215.1/34

Out: 1.431+/-0.239 χ^2/NDF:315.5/39

All: -0.433+/-0.173 χ^2/NDF: 658.5/74

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 1132.045+/-0.201 χ^2/NDF:1449773.3/20

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

Left In: 1154.075+/-0.212 χ^2/NDF:1251967.9/18

Left: 1142.474+/-0.146 χ^2/NDF: 2707407.8/39

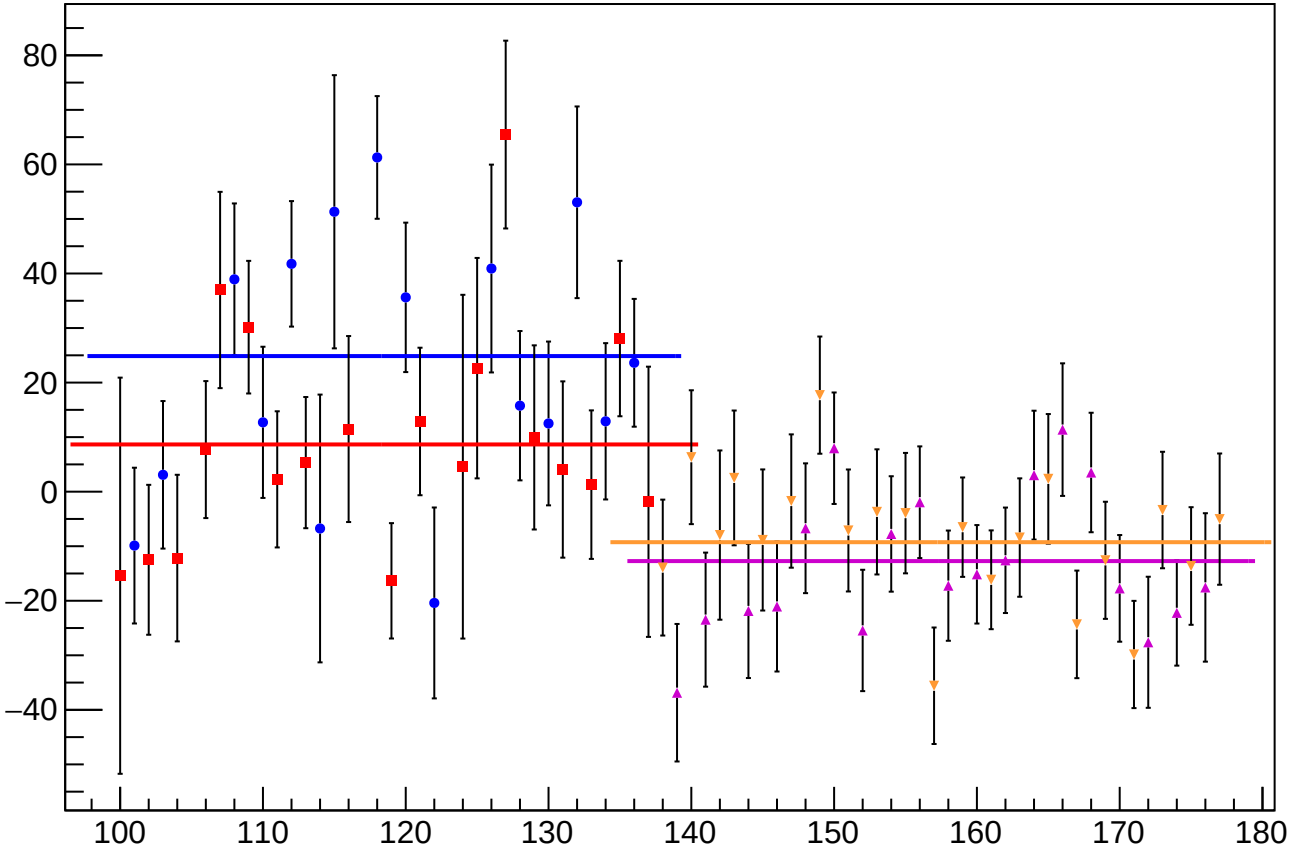
Right: 1208.533+/-0.223 χ^2/NDF: 60729.4/34

In: 1173.351+/-0.177 χ^2/NDF:1300591.5/34

Out: 1152.360+/-0.169 χ^2/NDF:1521725.1/39

All: 1162.366+/-0.122 χ^2/NDF: 2829683.1/74

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -9.261+/-2.418 χ^2/NDF:25.0/20

Right Out: 8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: -12.727+/-2.514 χ^2/NDF:23.5/18

Left: -10.926+/-1.743 χ^2/NDF: 49.5/39

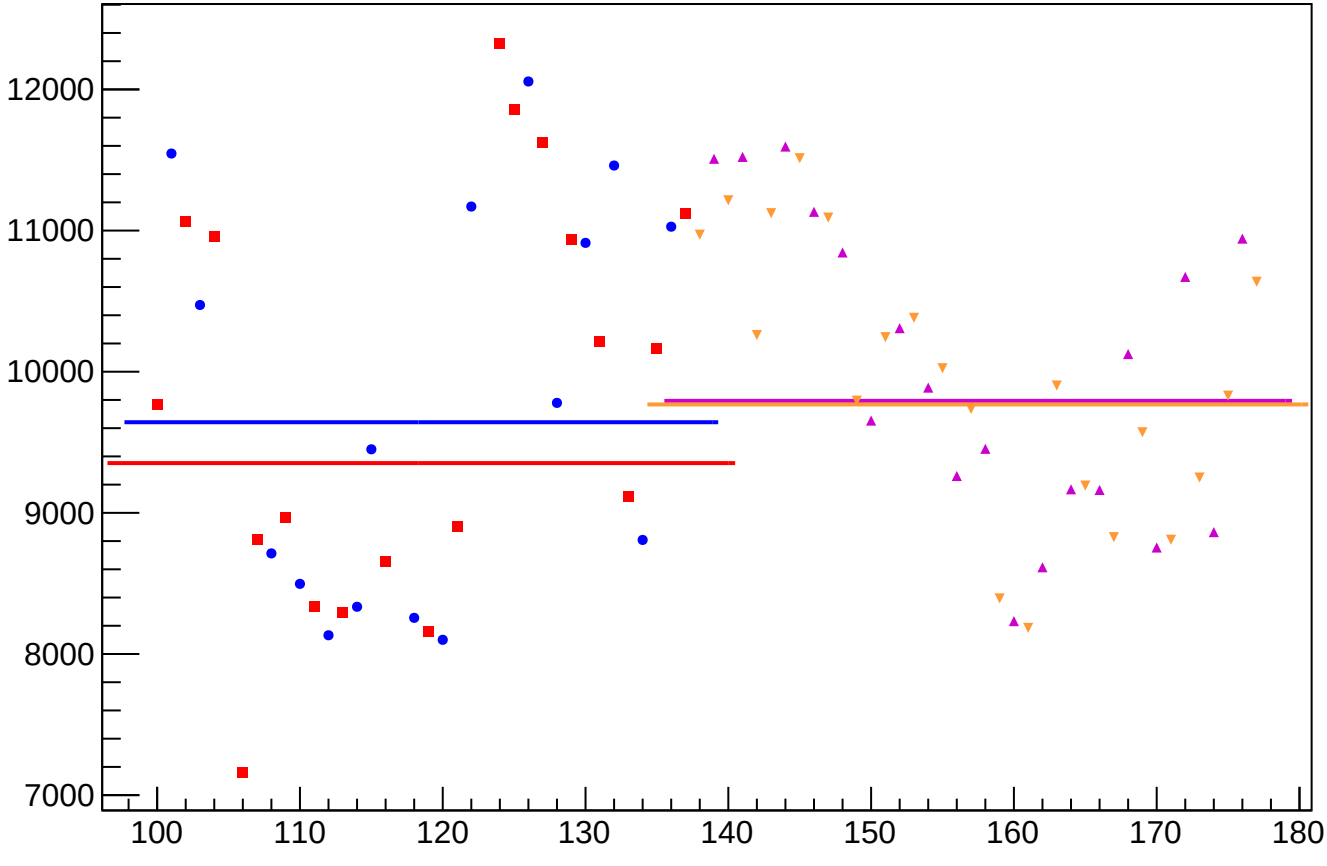
Right: 16.361+/-2.501 χ^2/NDF: 78.7/34

In: -0.534+/-2.066 χ^2/NDF:134.2/34

Out: -3.368+/-1.981 χ^2/NDF:73.2/39

All: -2.011+/-1.430 χ^2/NDF: 208.3/74

diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 9768.158+/-1.710 χ^2/NDF:307486.7/20

Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

Left In: 9793.420+/-1.778 χ^2/NDF:341193.8/18

Left: 9780.296+/-1.232 χ^2/NDF: 648785.4/39

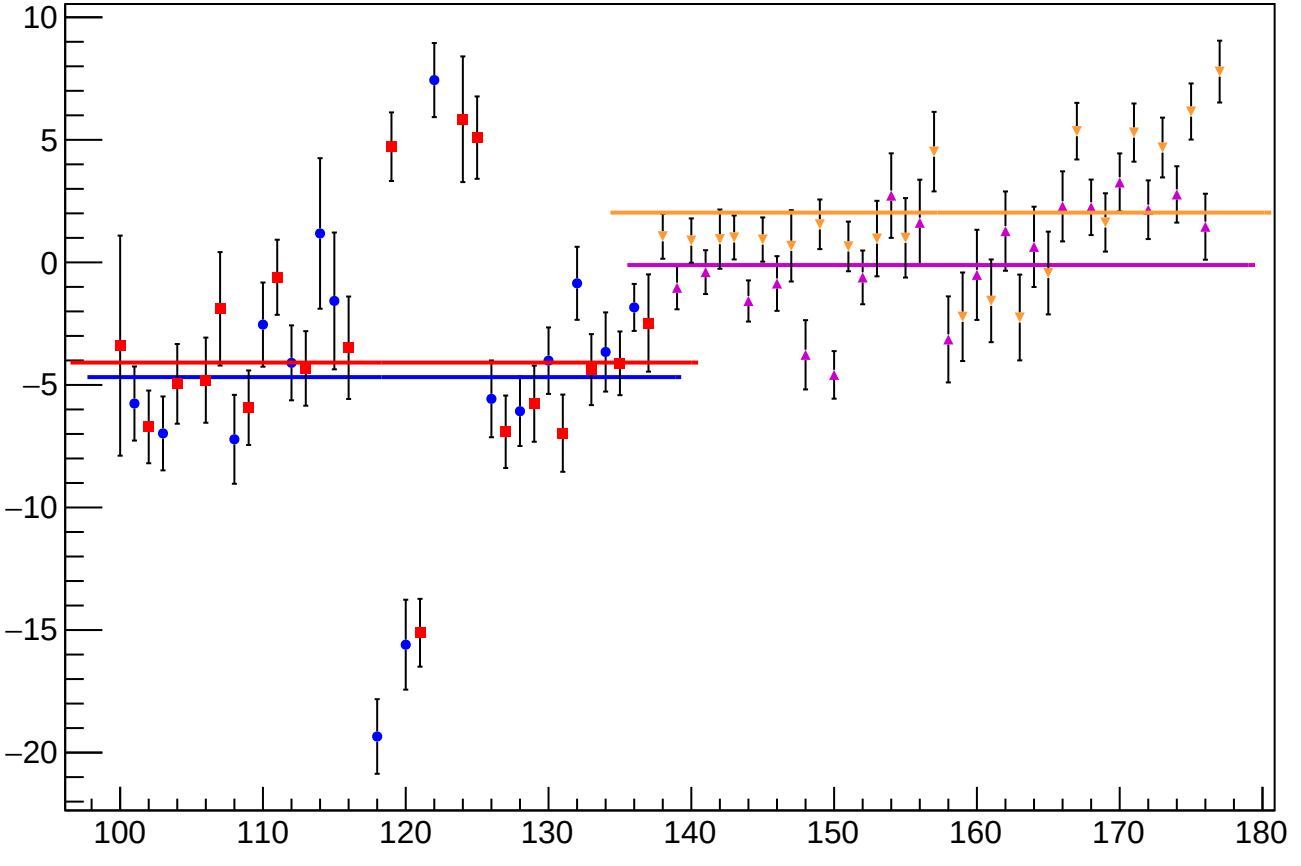
Right: 9490.167+/-1.769 χ^2/NDF: 588120.8/34

In: 9744.325+/-1.461 χ^2/NDF:623202.7/34

Out: 9631.461+/-1.400 χ^2/NDF:628707.6/39

All: 9685.504+/-1.011 χ^2/NDF: 1255020.1/74

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 2.031+/-0.260 χ^2/NDF:85.1/20

Right Out: -4.087+/-0.376 χ^2/NDF: 168.1/18

Left In: -0.108+/-0.275 χ^2/NDF:67.1/18

Left: 1.021+/-0.189 χ^2/NDF: 184.0/39

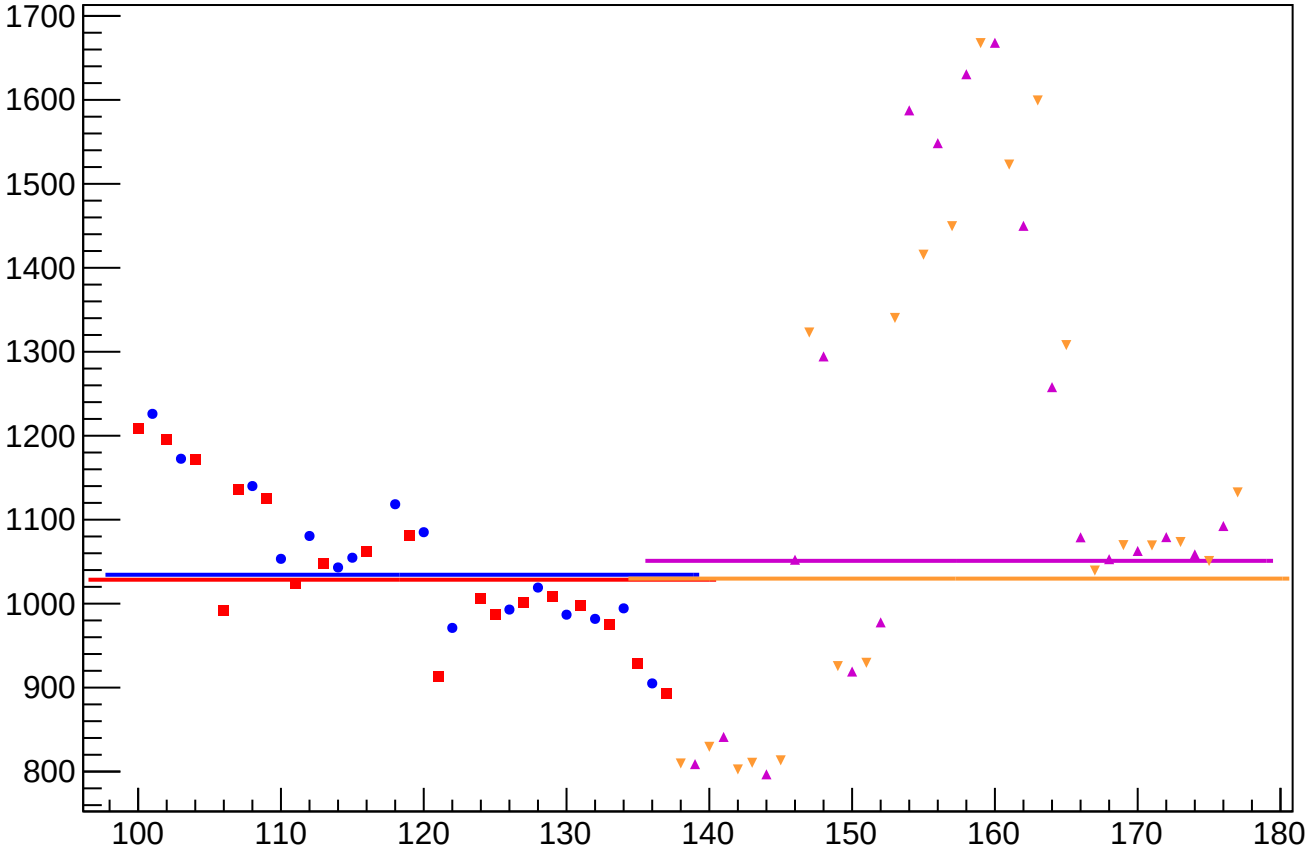
Right: -4.376+/-0.269 χ^2/NDF: 390.5/34

In: -1.652+/-0.224 χ^2/NDF:381.3/34

Out: 0.050+/-0.214 χ^2/NDF:431.8/39

All: -0.762+/-0.155 χ^2/NDF: 843.2/74

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 1029.818+/-0.184 χ^2/NDF:1676715.7/20

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

Left In: 1050.978+/-0.195 χ^2/NDF:1504865.4/18

Left: 1039.810+/-0.134 χ^2/NDF: 3187813.1/39

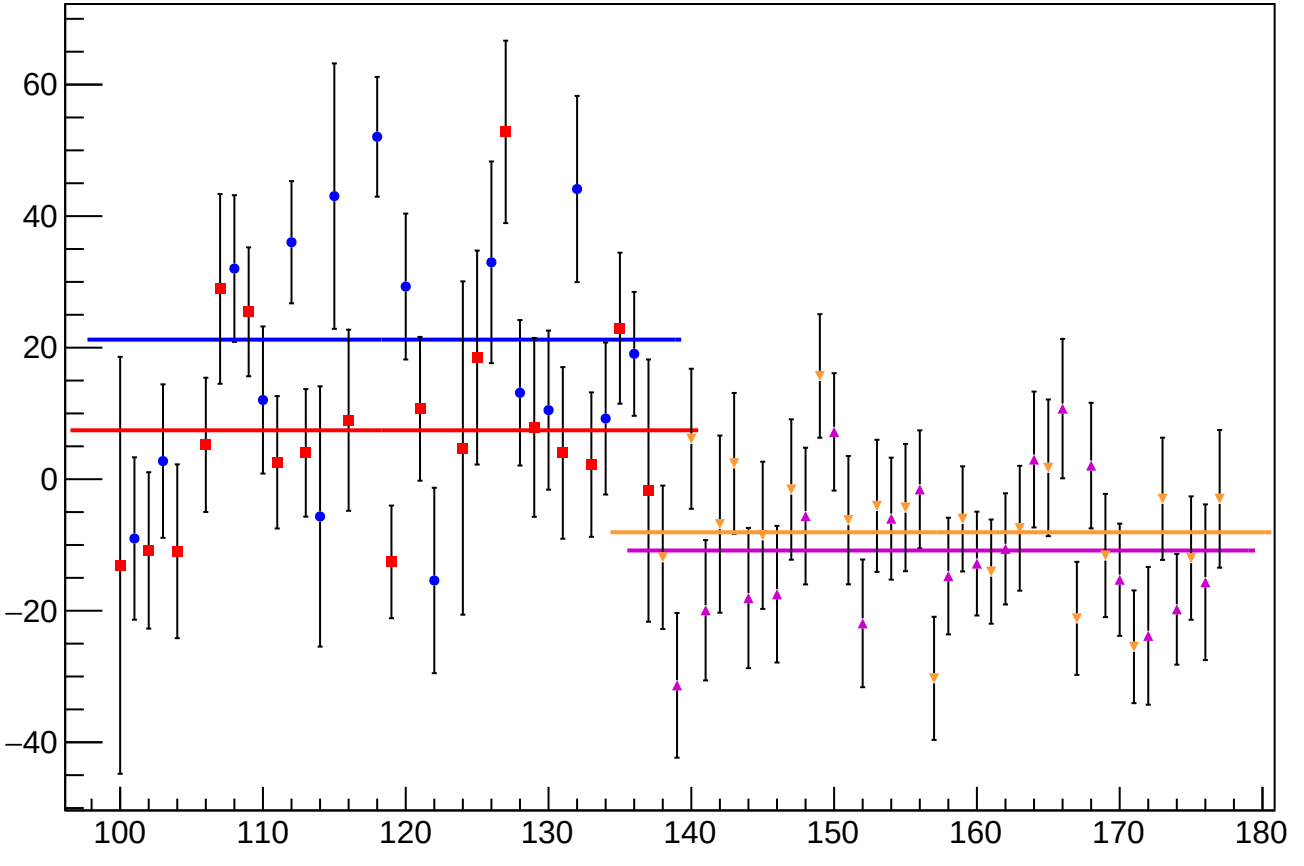
Right: 1031.379+/-0.190 χ^2/NDF: 215143.2/34

In: 1045.383+/-0.158 χ^2/NDF:1620589.9/34

Out: 1029.392+/-0.151 χ^2/NDF:1778357.1/39

All: 1037.024+/-0.109 χ^2/NDF: 3404267.9/74

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -8.066+/-2.110 χ^2/NDF:24.5/20

Right Out: 7.435+/-2.810 χ^2/NDF: 29.8/18

Left In: -10.841+/-2.194 χ^2/NDF:23.2/18

Left: -9.399+/-1.521 χ^2/NDF: 48.5/39

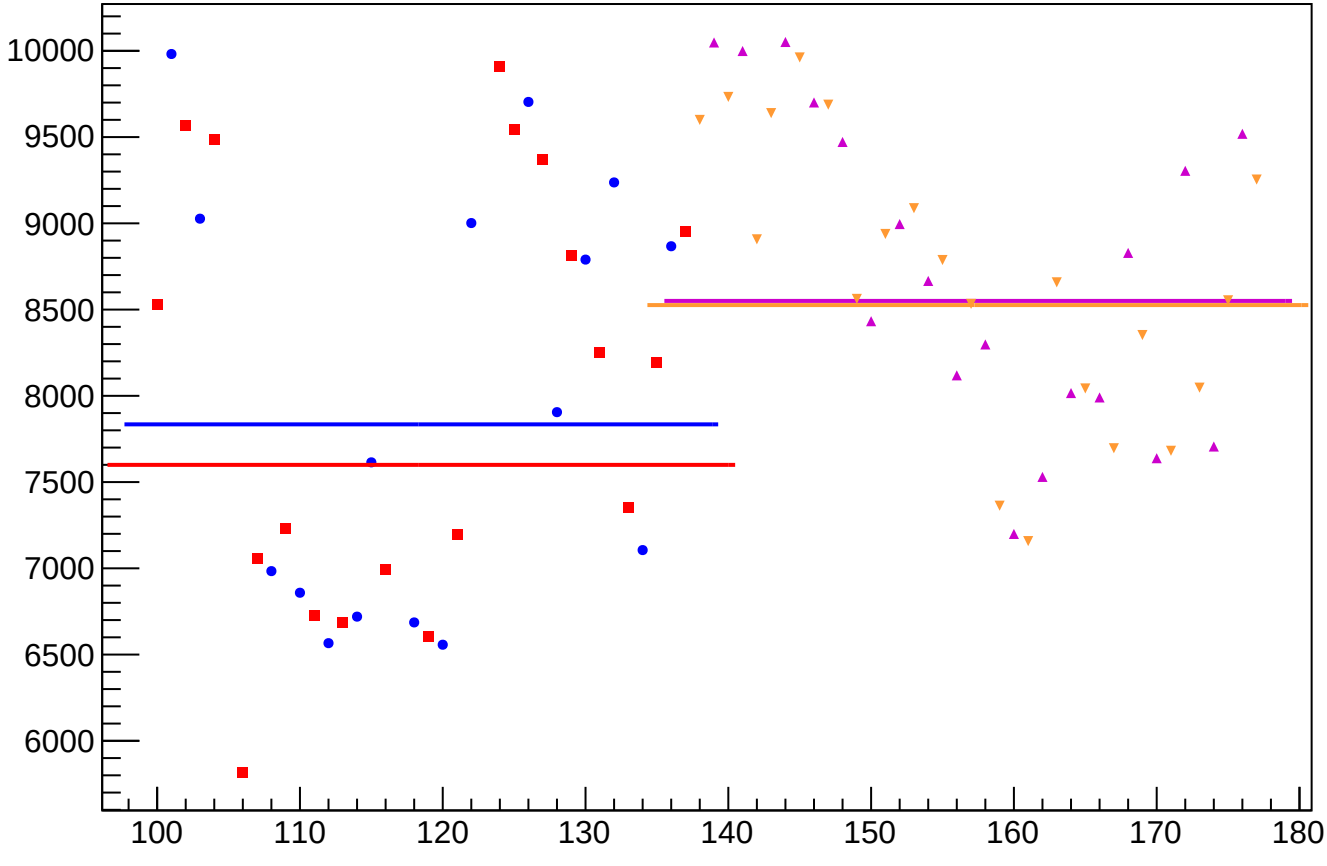
Right: 13.990+/-2.035 χ^2/NDF: 81.3/34

In: 0.571+/-1.761 χ^2/NDF:139.2/34

Out: -2.478+/-1.687 χ^2/NDF:73.7/39

All: -1.019+/-1.218 χ^2/NDF: 214.5/74

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 8526.117+/-1.492 χ^2/NDF:296702.0/20

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

Left In: 8550.309+/-1.552 χ^2/NDF:332103.1/18

Left: 8537.739+/-1.075 χ^2/NDF: 628931.4/39

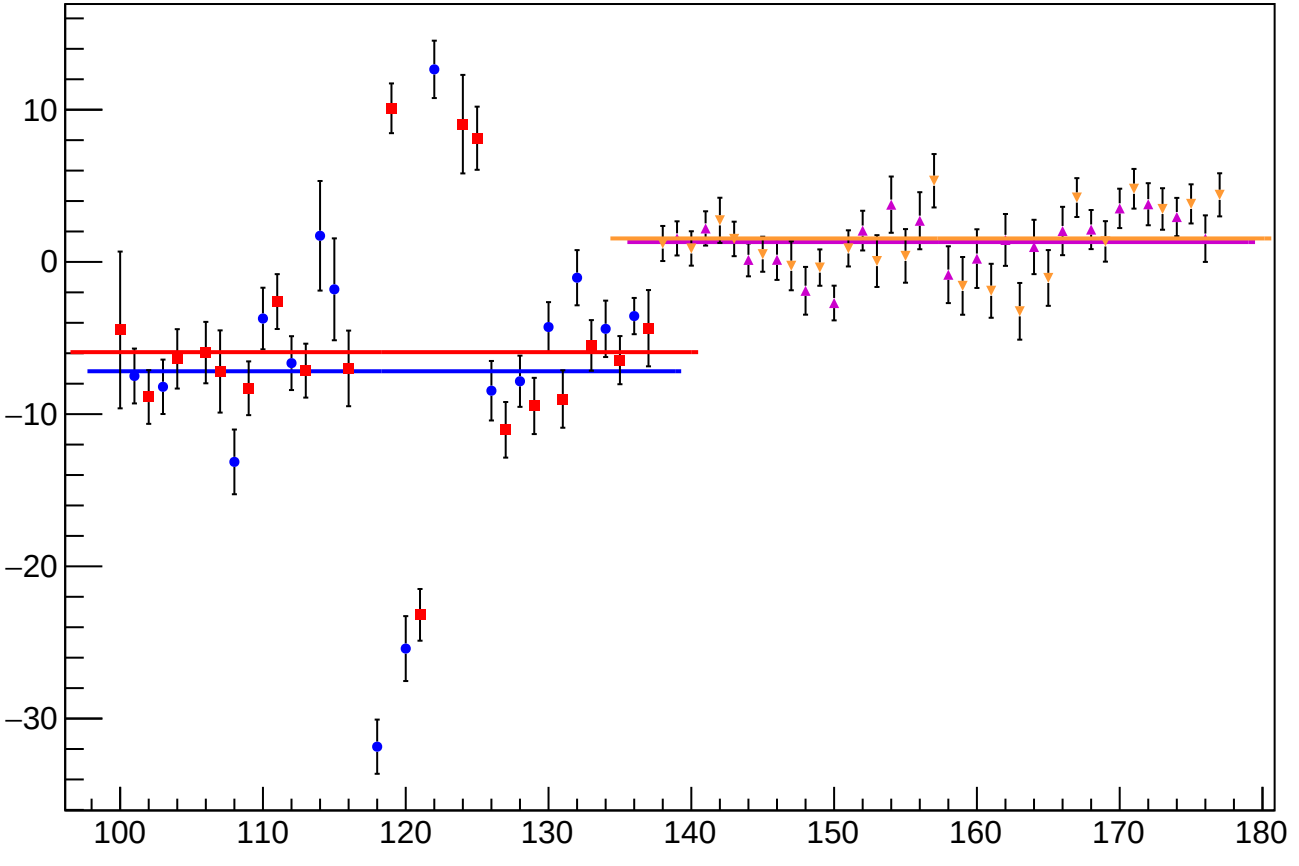
Right: 7711.419+/-1.439 χ^2/NDF: 669028.2/34

In: 8295.583+/-1.245 χ^2/NDF:725919.7/34

Out: 8192.201+/-1.193 χ^2/NDF:779981.5/39

All: 8241.682+/-0.861 χ^2/NDF: 1509494.9/74

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 1.543+/-0.303 χ^2/NDF:46.9/20

Right Out: -5.927+/-0.449 χ^2/NDF: 290.4/18

Left In: 1.305+/-0.320 χ^2/NDF:32.0/18

Left: 1.430+/-0.220 χ^2/NDF: 79.1/39

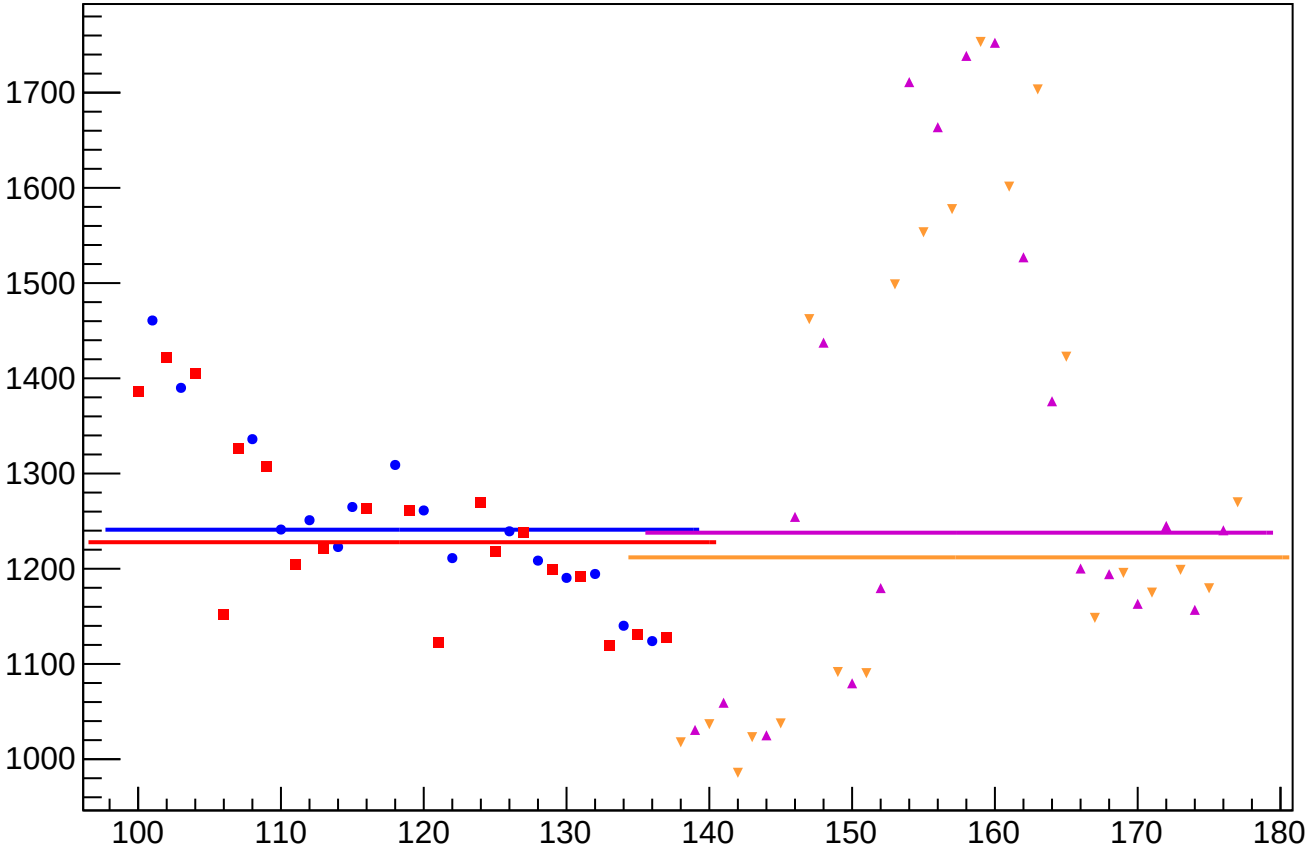
Right: -6.537+/-0.322 χ^2/NDF: 716.4/34

In: -1.448+/-0.263 χ^2/NDF:681.9/34

Out: -0.792+/-0.251 χ^2/NDF:527.4/39

All: -1.104+/-0.182 χ^2/NDF: 1212.6/74

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1211.955+/-0.214 χ^2/NDF:997945.3/20

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

Left In: 1237.857+/-0.226 χ^2/NDF:879820.2/18

Left: 1224.182+/-0.156 χ^2/NDF: 1884671.3/39

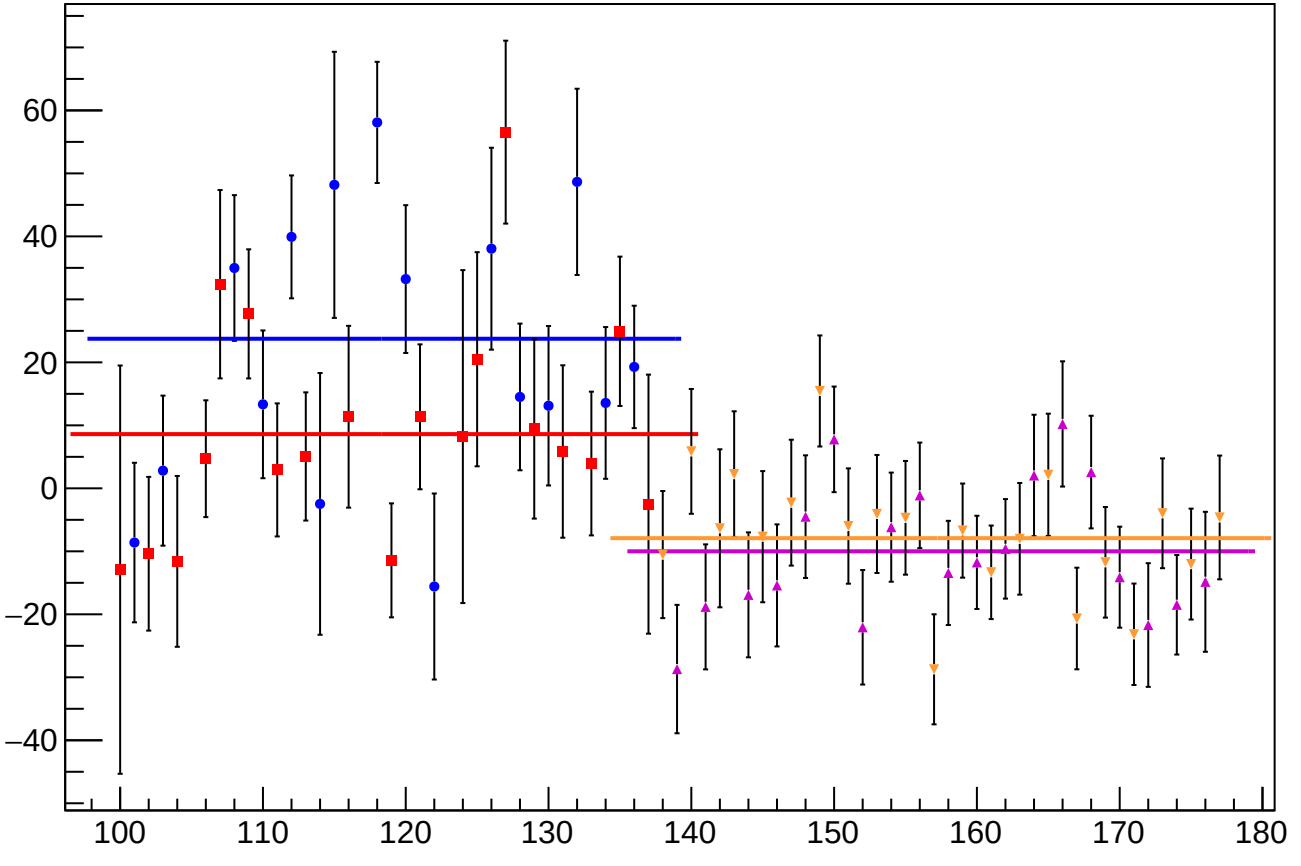
Right: 1234.245+/-0.228 χ^2/NDF: 163824.2/34

In: 1238.879+/-0.186 χ^2/NDF:960536.4/34

Out: 1216.927+/-0.178 χ^2/NDF:1082009.2/39

All: 1227.383+/-0.128 χ^2/NDF: 2049826.2/74

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -7.911+/-1.973 χ^2/NDF:24.9/20

Right Out: 8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: -9.997+/-2.053 χ^2/NDF:23.8/18

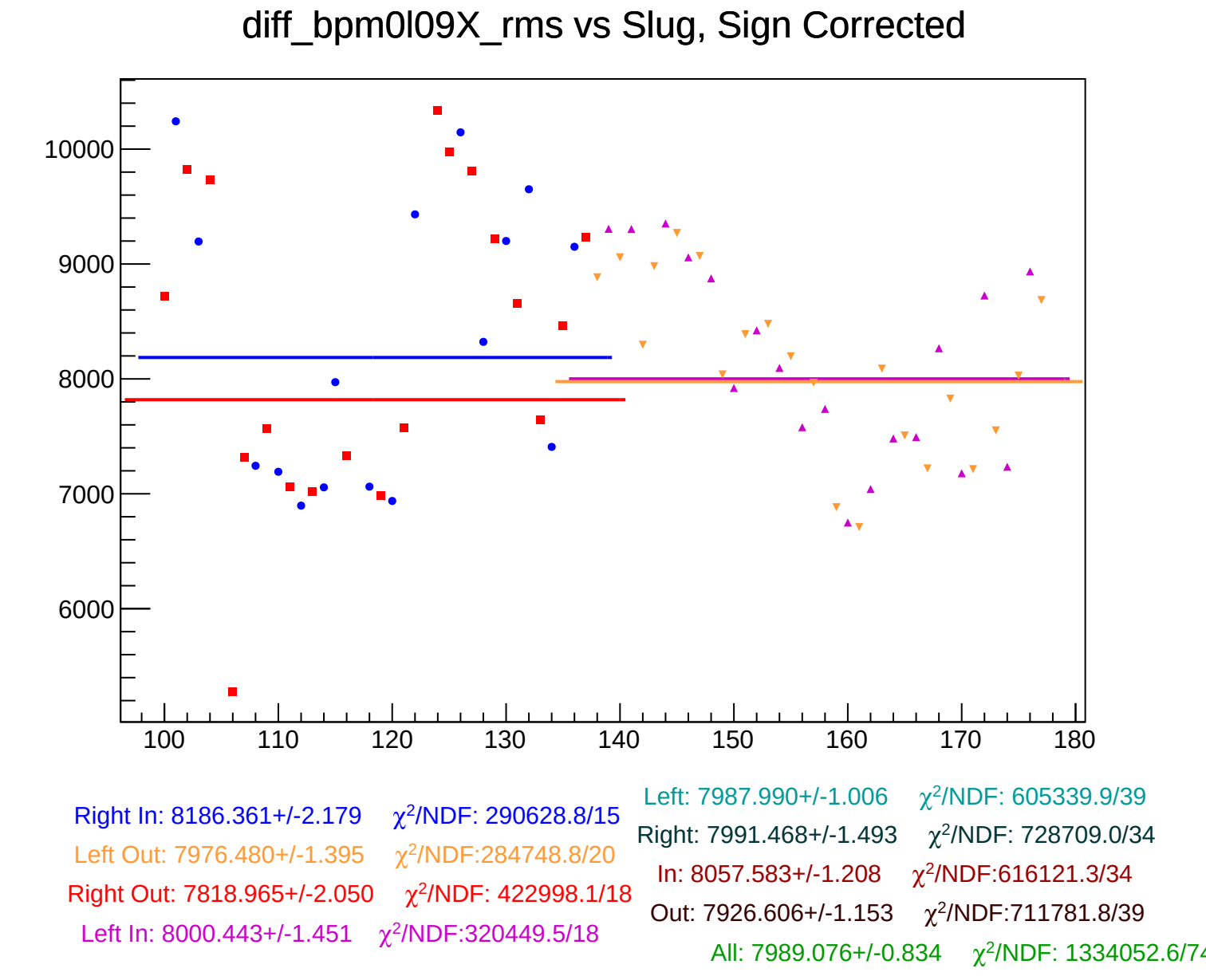
Left: -8.913+/-1.423 χ^2/NDF: 49.2/39

Right: 15.718+/-2.111 χ^2/NDF: 86.7/34

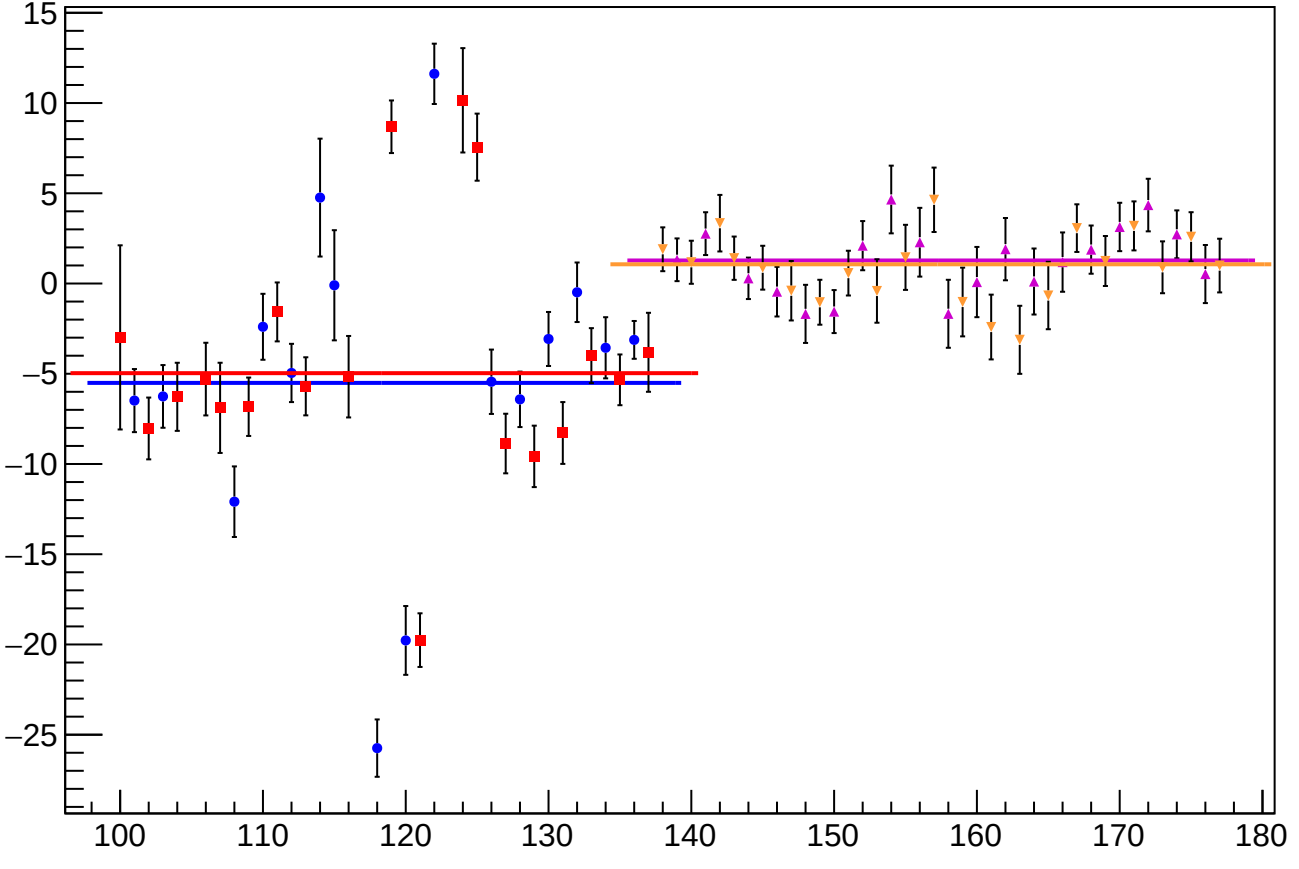
In: 0.374+/-1.708 χ^2/NDF:150.3/34

Out: -2.680+/-1.631 χ^2/NDF:77.5/39

All: -1.223+/-1.180 χ^2/NDF: 229.5/74


diff_bpm0l09X_rms vs Slug, Sign Corrected
10000
9000
8000
7000
6000
100
110
120
130
140
150
160
170
180
Right In: 8186.361+/-2.179 χ²/NDF: 290628.8/15
Left Out: 7976.480+/-1.395 χ²/NDF:284748.8/20
Right Out: 7818.965+/-2.050 χ²/NDF: 422998.1/18
Left In: 8000.443+/-1.451 χ²/NDF:320449.5/18
Left: 7987.990+/-1.006 χ²/NDF: 605339.9/39
Right: 7991.468+/-1.493 χ²/NDF: 728709.0/34
In: 8057.583+/-1.208 χ²/NDF:616121.3/34
Out: 7926.606+/-1.153 χ²/NDF:711781.8/39
All: 7989.076+/-0.834 χ²/NDF: 1334052.6/74

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 1.065+/-0.316 χ^2/NDF:28.0/20

Right Out: -4.967+/-0.410 χ^2/NDF: 287.3/18

Left In: 1.276+/-0.333 χ^2/NDF:28.2/18

Left: 1.165+/-0.229 χ^2/NDF: 56.4/39

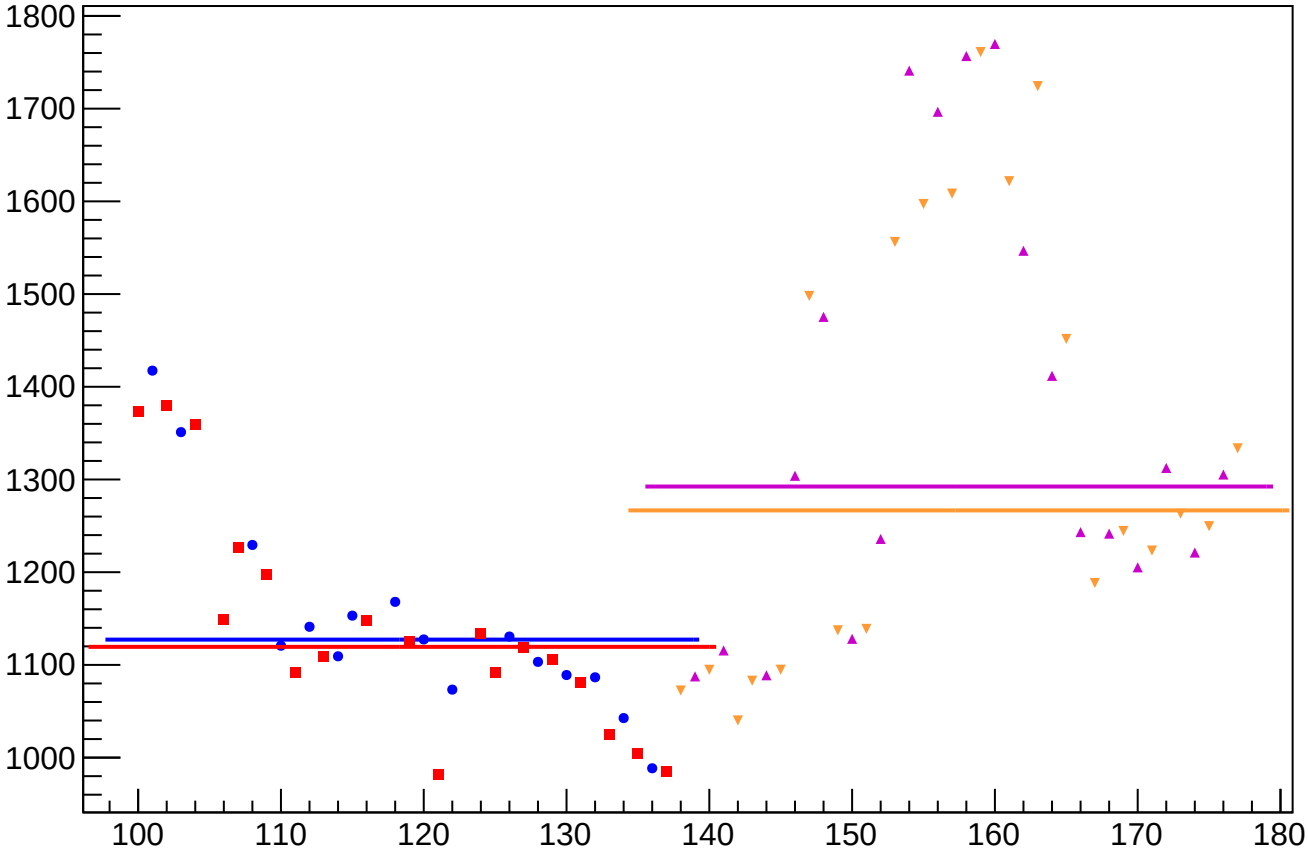
Right: -5.230+/-0.294 χ^2/NDF: 657.9/34

In: -1.339+/-0.261 χ^2/NDF:557.5/34

Out: -1.177+/-0.250 χ^2/NDF:451.1/39

All: -1.255+/-0.181 χ^2/NDF: 1008.8/74

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1266.652+/-0.223 χ^2/NDF:862954.6/20

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

Left In: 1292.409+/-0.236 χ^2/NDF:752319.7/18

Left: 1278.824+/-0.162 χ^2/NDF: 1621568.2/39

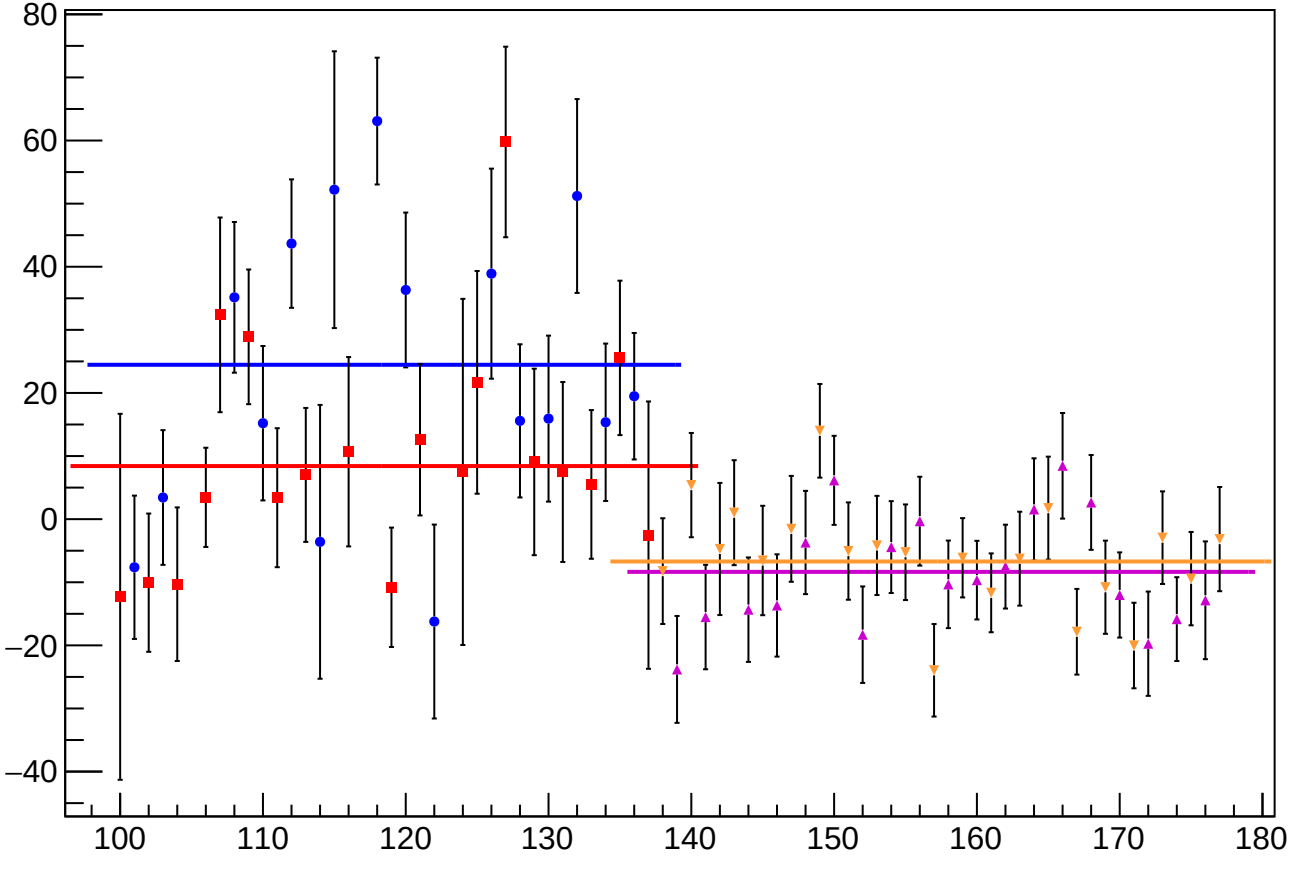
Right: 1123.282+/-0.208 χ^2/NDF: 281705.5/34

In: 1228.733+/-0.185 χ^2/NDF:1082058.8/34

Out: 1211.940+/-0.177 χ^2/NDF:1165340.2/39

All: 1219.970+/-0.128 χ^2/NDF: 2251707.5/74

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -6.708+/-1.656 χ^2/NDF:26.1/20

Right Out: 8.413+/-2.891 χ^2/NDF: 31.1/18

Left In: -8.353+/-1.723 χ^2/NDF:24.4/18

Left: -7.498+/-1.194 χ^2/NDF: 51.0/39

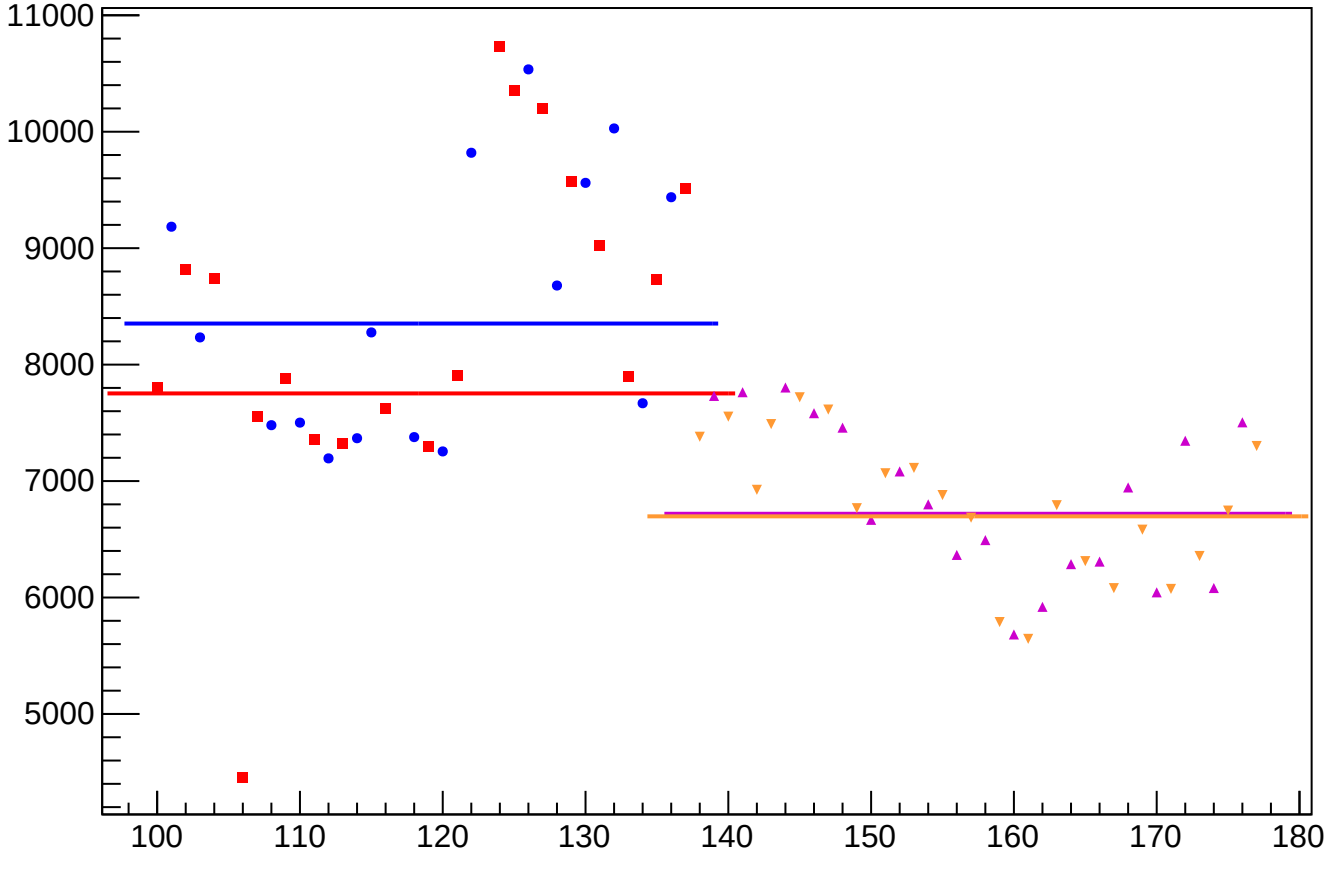
Right: 15.786+/-2.126 χ^2/NDF: 93.6/34

In: -0.742+/-1.510 χ^2/NDF:156.8/34

Out: -2.972+/-1.437 χ^2/NDF:77.9/39

All: -1.912+/-1.041 χ^2/NDF: 235.8/74

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 6697.079+/-1.171 χ^2/NDF:269382.0/20

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

Left In: 6719.101+/-1.219 χ^2/NDF:306498.9/18

Left: 6707.653+/-0.844 χ^2/NDF: 576050.7/39

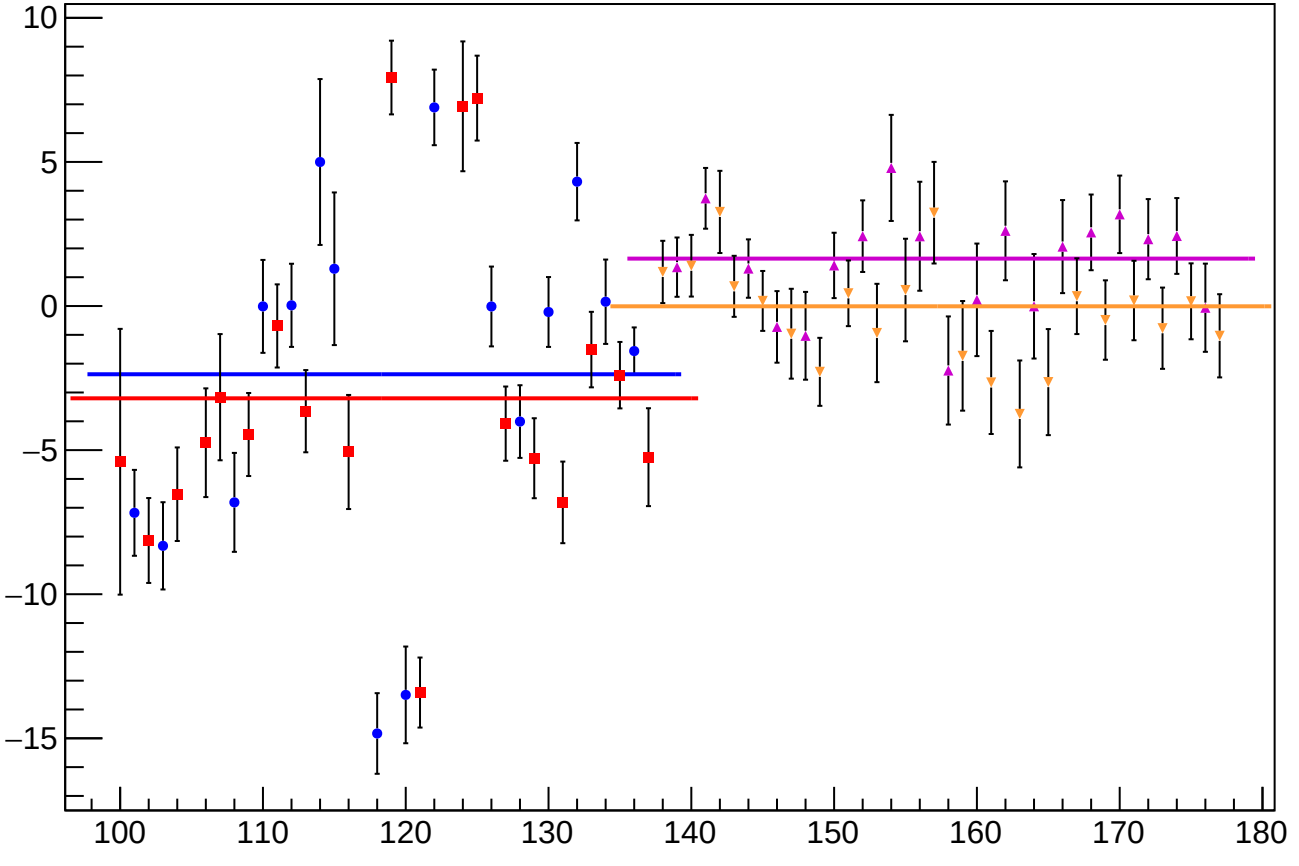
Right: 8028.343+/-1.503 χ^2/NDF: 848071.5/34

In: 7097.972+/-1.068 χ^2/NDF:943750.4/34

Out: 6957.941+/-1.016 χ^2/NDF:1058209.8/39

All: 7024.483+/-0.736 χ^2/NDF: 2010983.2/74

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: -0.010+/-0.298 χ^2/NDF:26.8/20

Right Out: -3.203+/-0.346 χ^2/NDF: 250.5/18

Left In: 1.645+/-0.314 χ^2/NDF:24.0/18

Left: 0.773+/-0.216 χ^2/NDF: 65.5/39

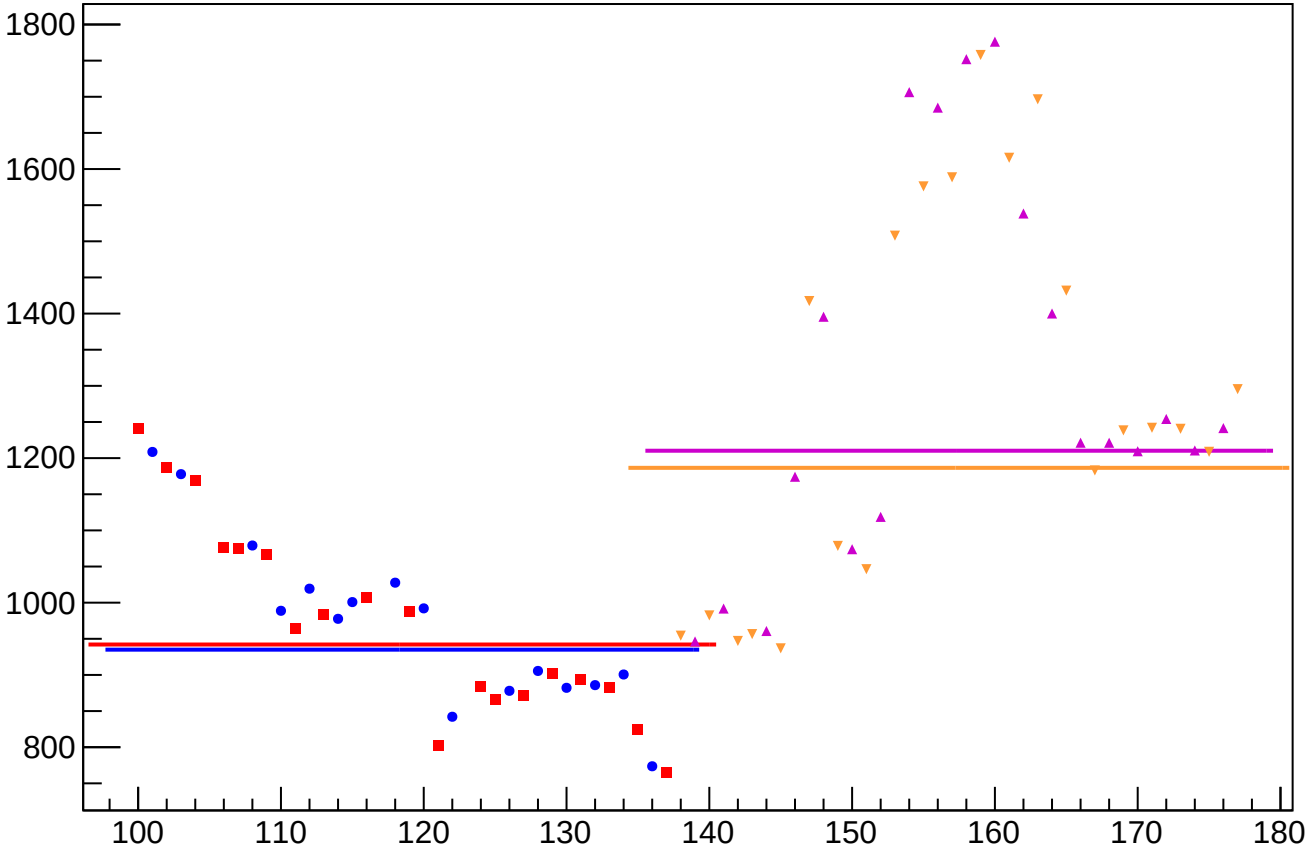
Right: -2.790+/-0.246 χ^2/NDF: 509.0/34

In: -0.143+/-0.234 χ^2/NDF:352.3/34

Out: -1.366+/-0.226 χ^2/NDF:326.2/39

All: -0.776+/-0.162 χ^2/NDF: 692.7/74

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 1186.563+/-0.210 χ^2/NDF:1296115.5/20

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

Left In: 1210.235+/-0.222 χ^2/NDF:1113956.8/18

Left: 1197.758+/-0.153 χ^2/NDF: 2416053.8/39

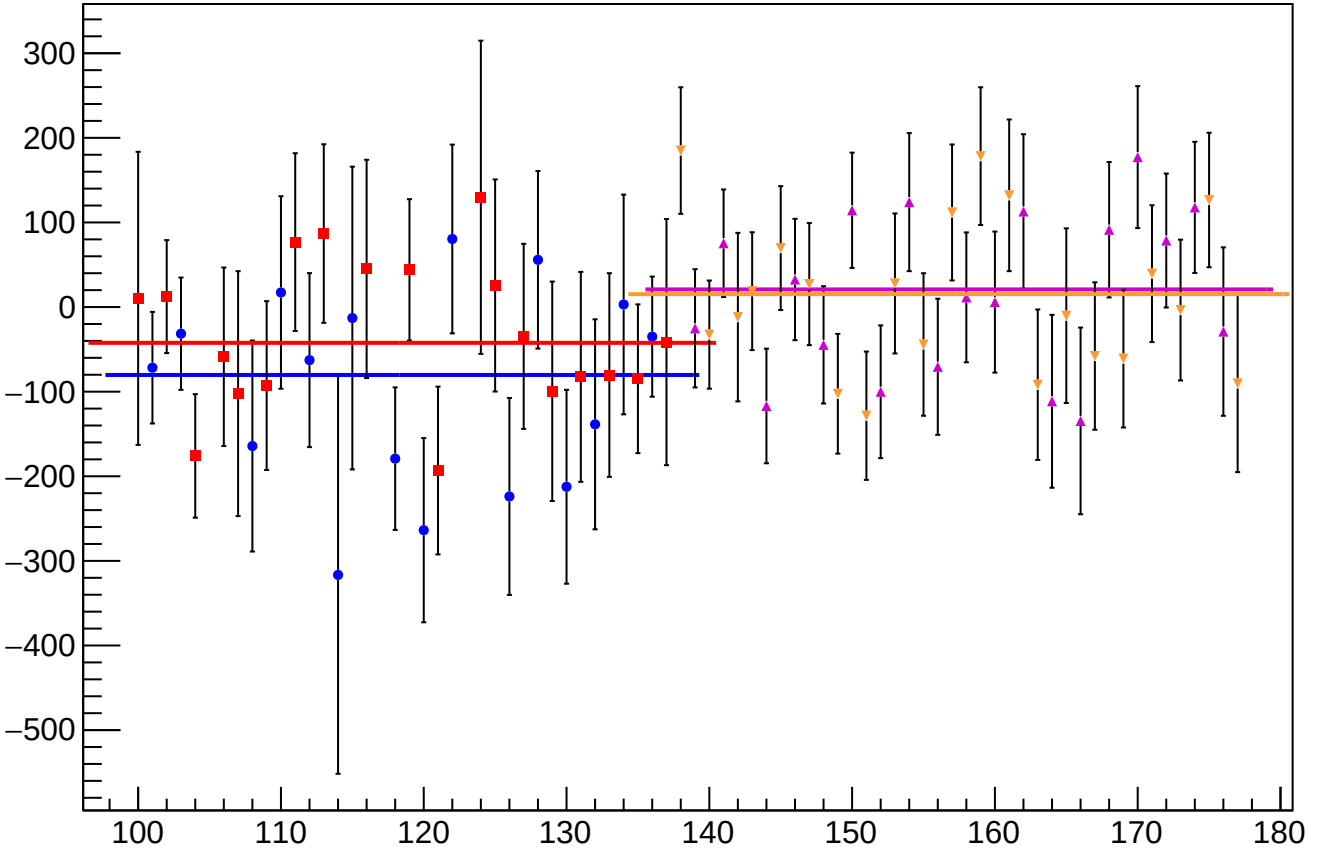
Right: 938.577+/-0.174 χ^2/NDF: 487235.0/34

In: 1087.550+/-0.165 χ^2/NDF:2052236.3/34

Out: 1082.711+/-0.160 χ^2/NDF:2101642.0/39

All: 1085.044+/-0.115 χ^2/NDF: 4154321.3/74

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 15.285+/-17.542 χ^2/NDF:26.6/20

Right Out: -42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: 20.855+/-17.981 χ^2/NDF:24.7/18

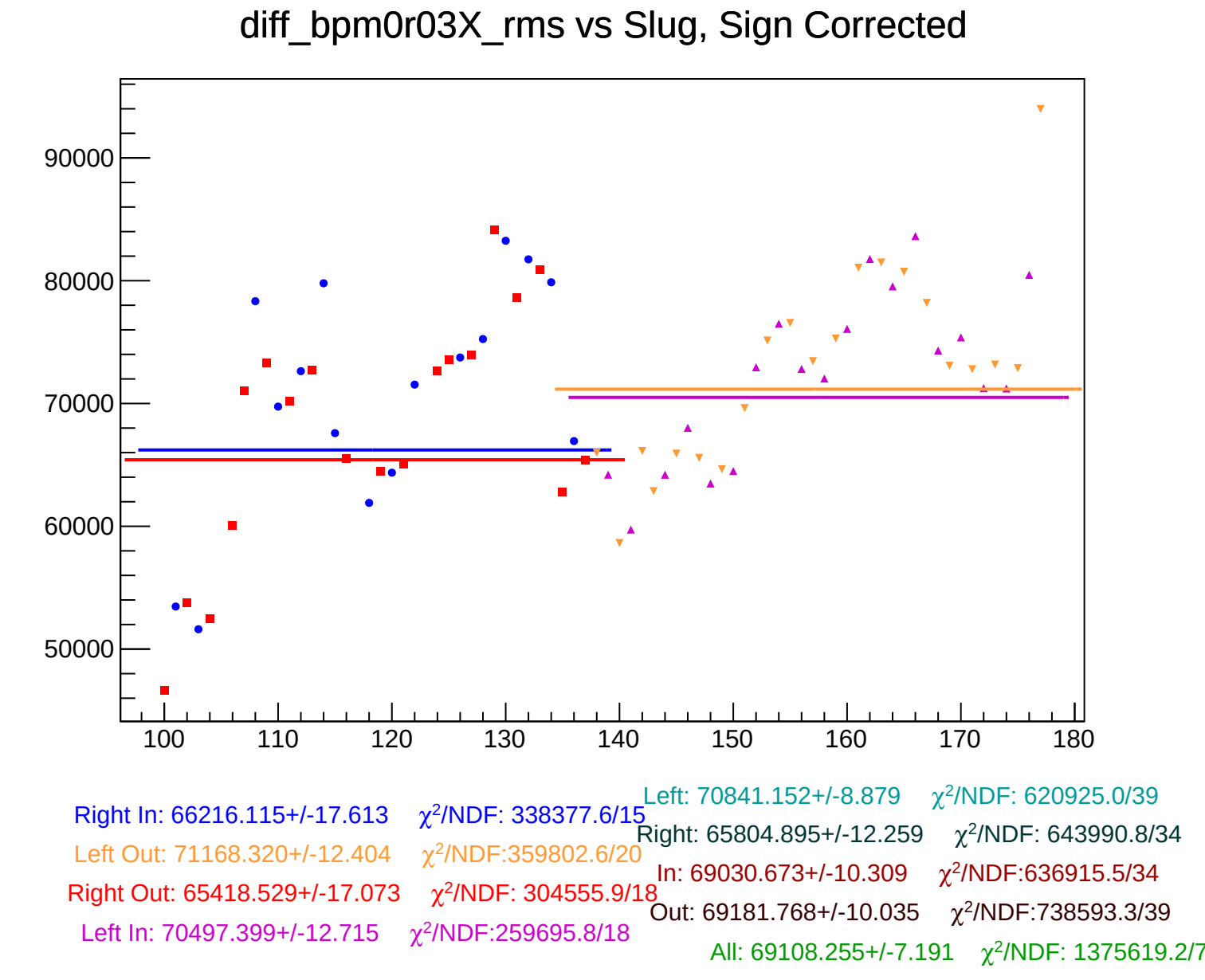
Left: 18.001+/-12.557 χ^2/NDF: 51.4/39

Right: -60.665+/-17.337 χ^2/NDF: 29.0/34

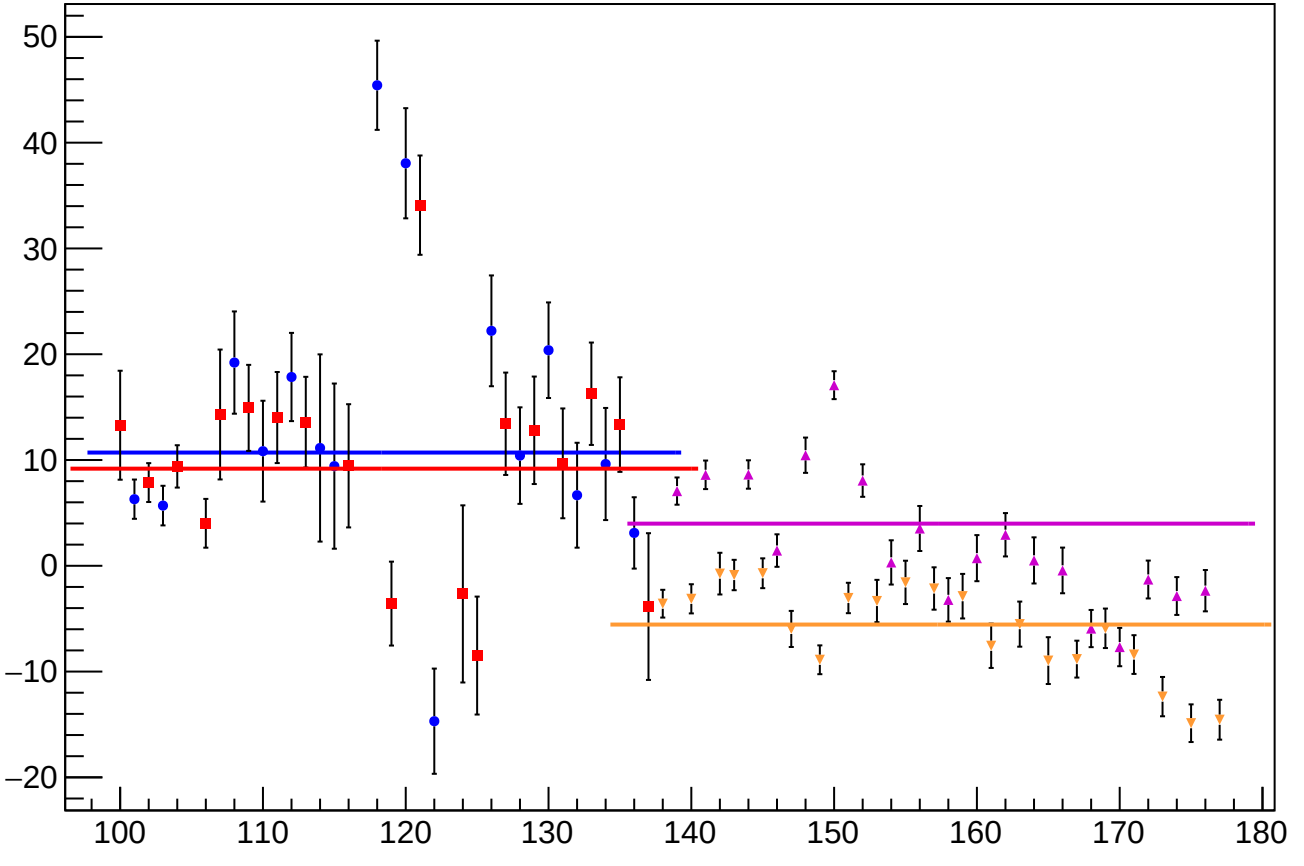
In: -13.783+/-14.580 χ^2/NDF:50.3/34

Out: -4.598+/-14.192 χ^2/NDF:43.3/39

All: -9.067+/-10.169 χ^2/NDF: 93.8/74


diff_bpm0r03X_rms vs Slug, Sign Corrected
90000
80000
70000
60000
50000
100
110
120
130
140
150
160
170
180
Right In: 66216.115+/-17.613 χ²/NDF: 338377.6/15
Left Out: 71168.320+/-12.404 χ²/NDF:359802.6/20
Right Out: 65418.529+/-17.073 χ²/NDF: 304555.9/18
Left In: 70497.399+/-12.715 χ²/NDF:259695.8/18
Left: 70841.152+/-8.879 χ²/NDF: 620925.0/39
Right: 65804.895+/-12.259 χ²/NDF: 643990.8/34
In: 69030.673+/-10.309 χ²/NDF:636915.5/34
Out: 69181.768+/-10.035 χ²/NDF:738593.3/39
All: 69108.255+/-7.191 χ²/NDF: 1375619.2/7

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -5.555+/-0.374 χ^2/NDF:125.3/20

Right Out: 9.182+/-0.850 χ^2/NDF: 69.6/18

Left In: 3.985+/-0.390 χ^2/NDF:284.4/18

Left: -0.985+/-0.270 χ^2/NDF: 720.8/39

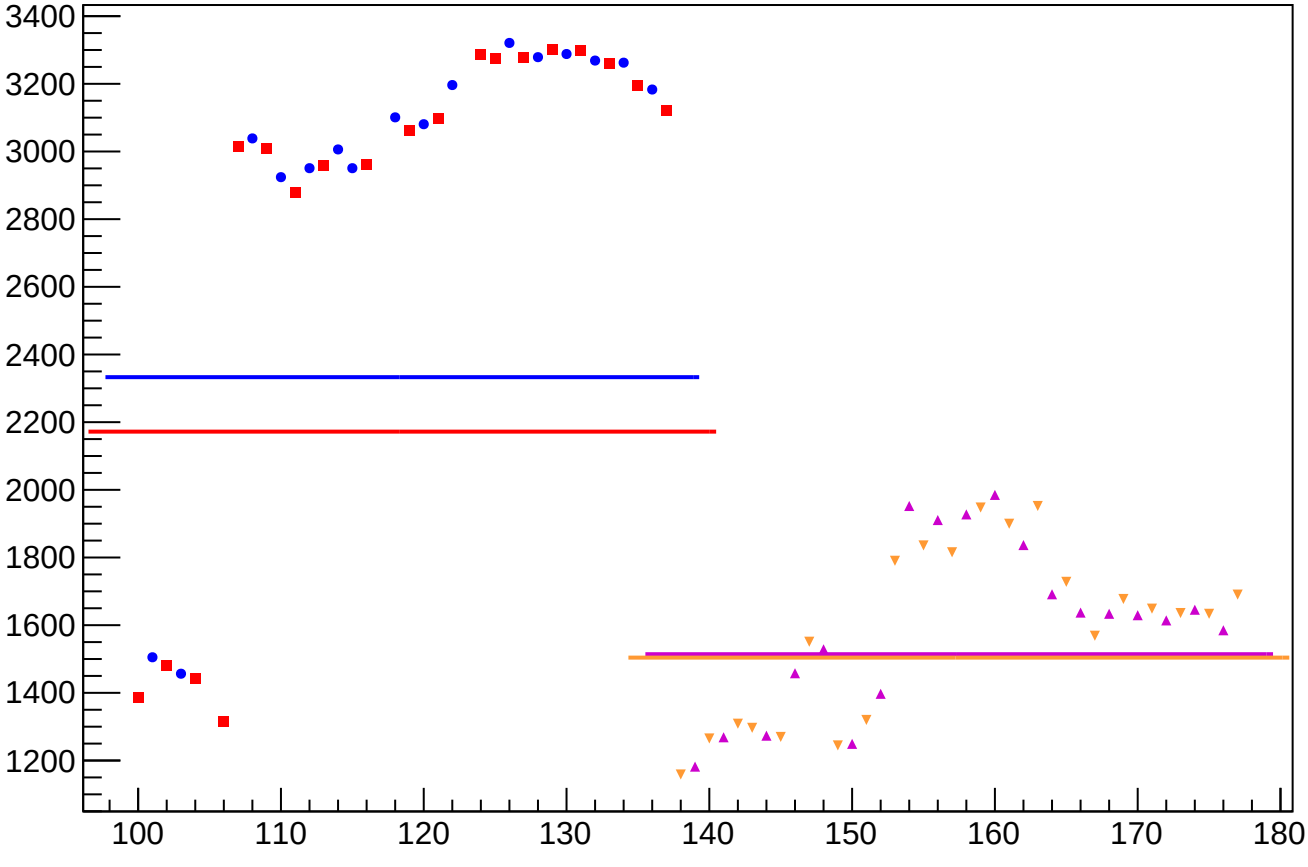
Right: 9.883+/-0.625 χ^2/NDF: 226.6/34

In: 5.009+/-0.359 χ^2/NDF:485.1/34

Out: -3.161+/-0.343 χ^2/NDF:446.6/39

All: 0.729+/-0.248 χ^2/NDF: 1202.5/74

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1504.122+/-0.265 χ^2/NDF:905499.7/20

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

Left In: 1514.219+/-0.276 χ^2/NDF:796334.6/18

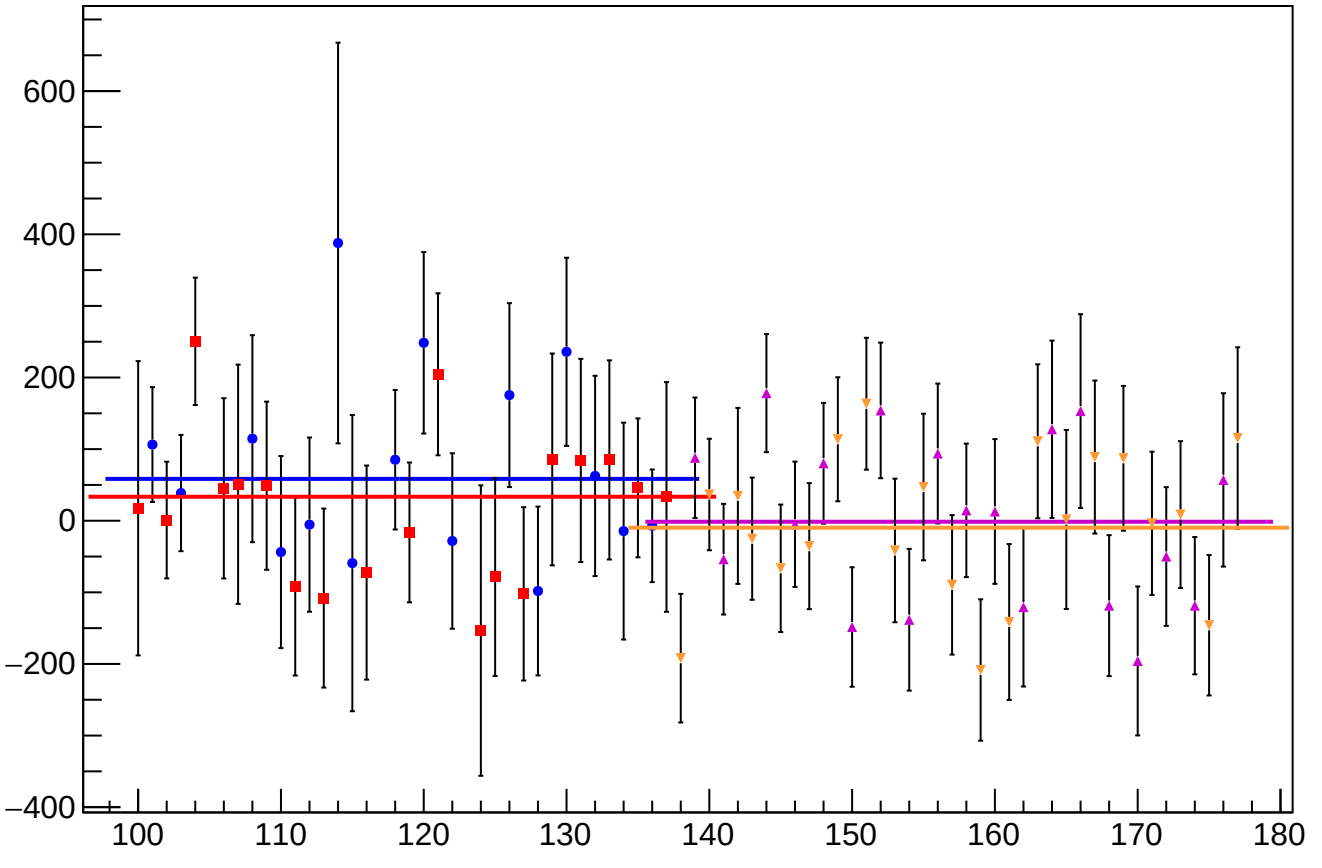
Left: 1508.959+/-0.191 χ^2/NDF: 1702531.4/39

Right: 2246.139+/-0.442 χ^2/NDF: 3668614.7/34

In: 1639.025+/-0.254 χ^2/NDF:3788873.1/34

Out: 1612.611+/-0.242 χ^2/NDF:3923707.5/39

All: 1625.187+/-0.175 χ^2/NDF: 7718240.0/74



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -9.742+/-21.399 χ^2/NDF:23.3/20

Right Out: 33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: -1.401+/-21.911 χ^2/NDF:26.4/18

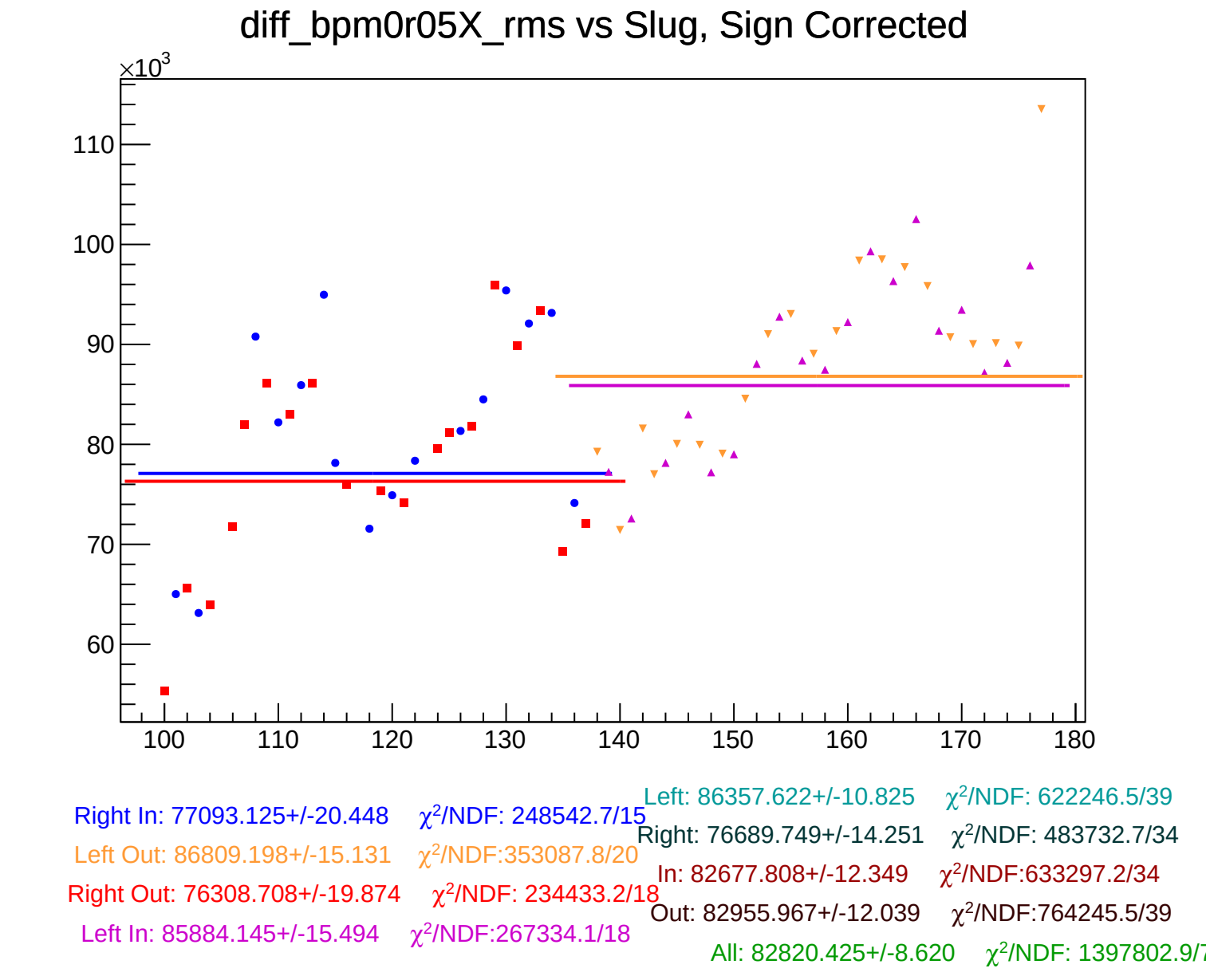
Left: -5.670+/-15.309 χ^2/NDF: 49.8/39

Right: 45.628+/-20.155 χ^2/NDF: 26.4/34

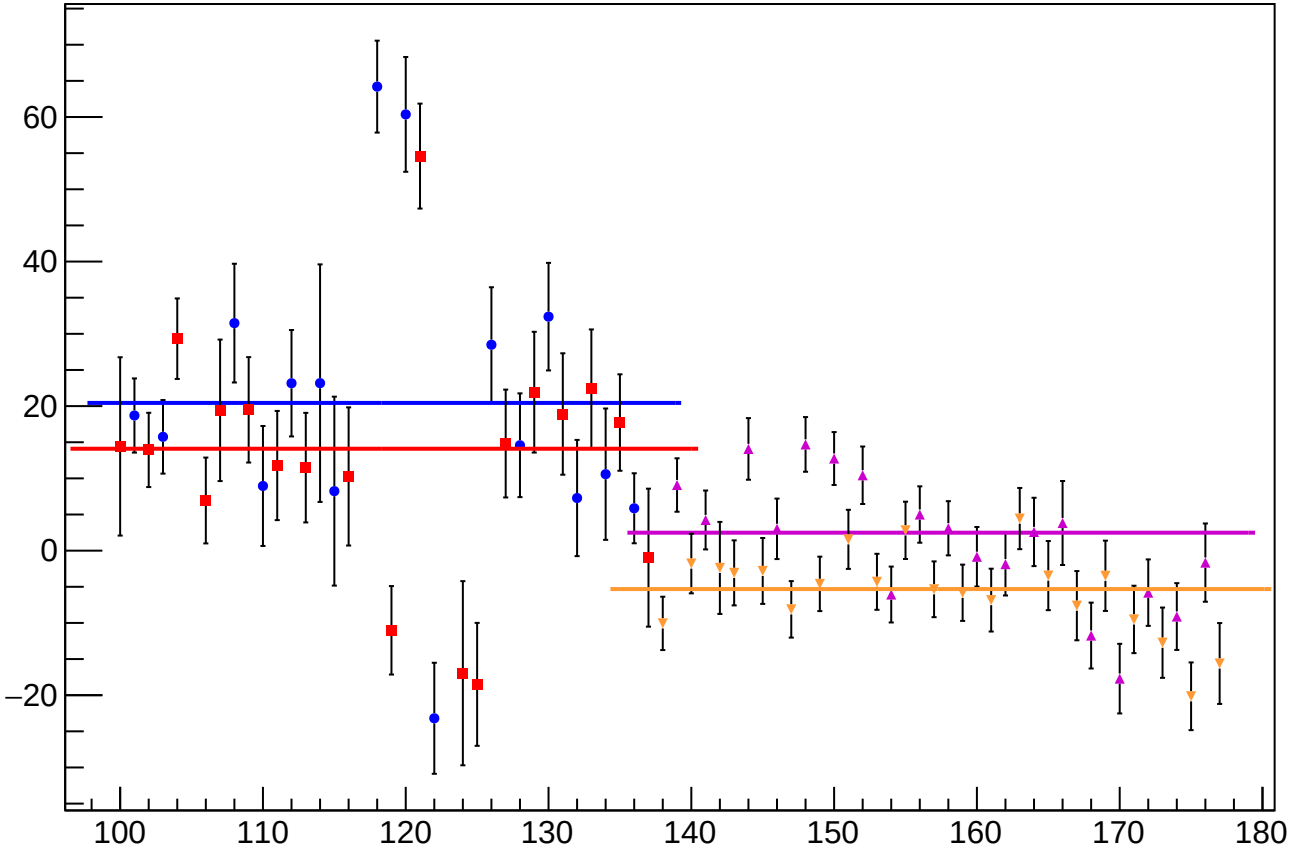
In: 20.427+/-17.464 χ^2/NDF:40.4/34

Out: 6.133+/-17.026 χ^2/NDF:39.4/39

All: 13.098+/-12.191 χ^2/NDF: 80.2/74


diff_bpm0r05X_rms vs Slug, Sign Corrected
×10^3
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: 86809.198+/-15.131 χ²/NDF:353087.8/20
Right Out: 76308.708+/-19.874 χ²/NDF: 234433.2/18
Left In: 85884.145+/-15.494 χ²/NDF:267334.1/18
Left: 86357.622+/-10.825 χ²/NDF: 622246.5/39
Right: 76689.749+/-14.251 χ²/NDF: 483732.7/34
In: 82677.808+/-12.349 χ²/NDF:633297.2/34
Out: 82955.967+/-12.039 χ²/NDF:764245.5/39
All: 82820.425+/-8.620 χ²/NDF: 1397802.9/7

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -5.316+/-0.946 χ^2/NDF:33.3/20

Right Out: 14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: 2.485+/-0.970 χ^2/NDF:77.6/18

Left: -1.513+/-0.677 χ^2/NDF: 144.1/39

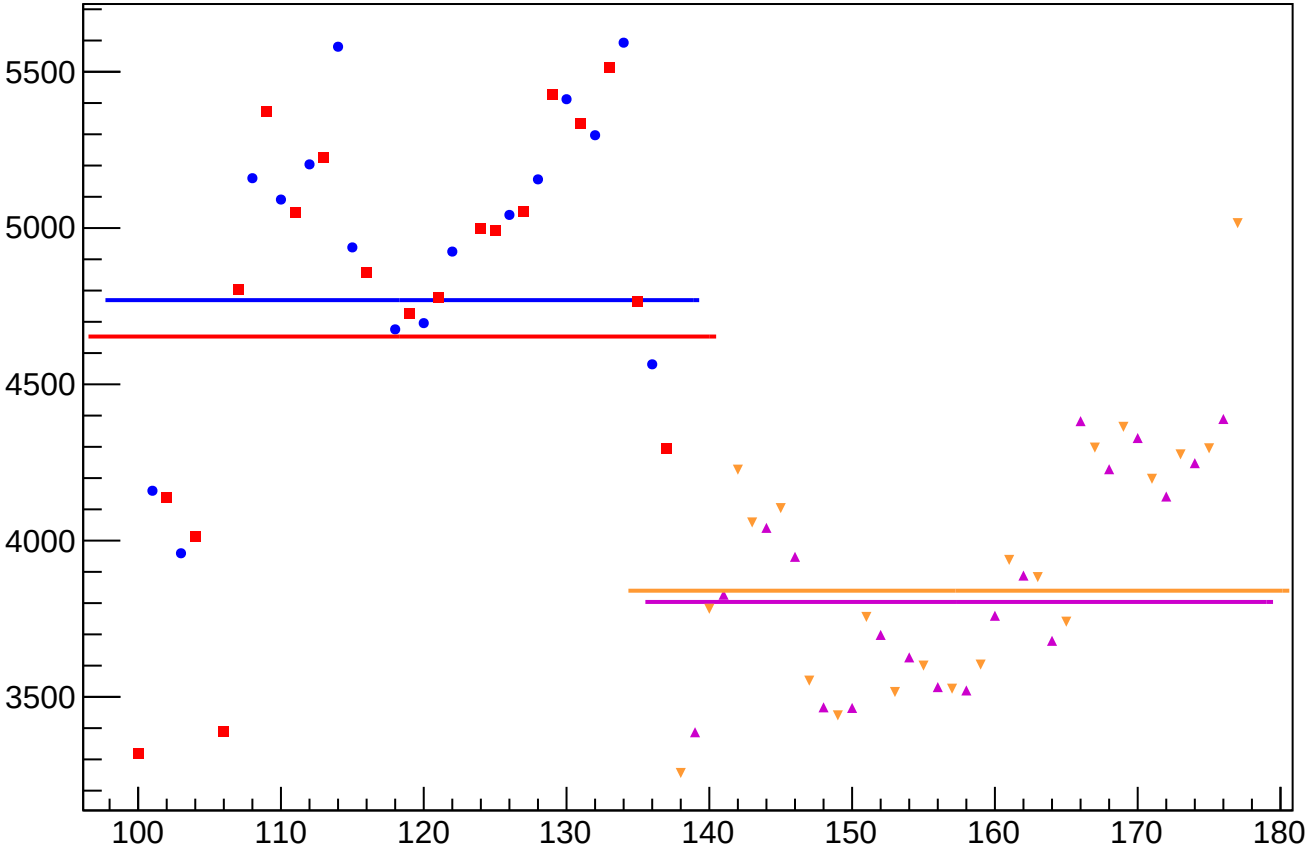
Right: 17.148+/-1.235 χ^2/NDF: 218.2/34

In: 6.590+/-0.852 χ^2/NDF:283.7/34

Out: -0.781+/-0.828 χ^2/NDF:215.5/39

All: 2.800+/-0.594 χ^2/NDF: 537.7/74

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3839.726+/-0.669 χ^2/NDF:323943.4/20

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

Left In: 3803.761+/-0.686 χ^2/NDF:209749.6/18

Left: 3822.196+/-0.479 χ^2/NDF: 535102.4/39

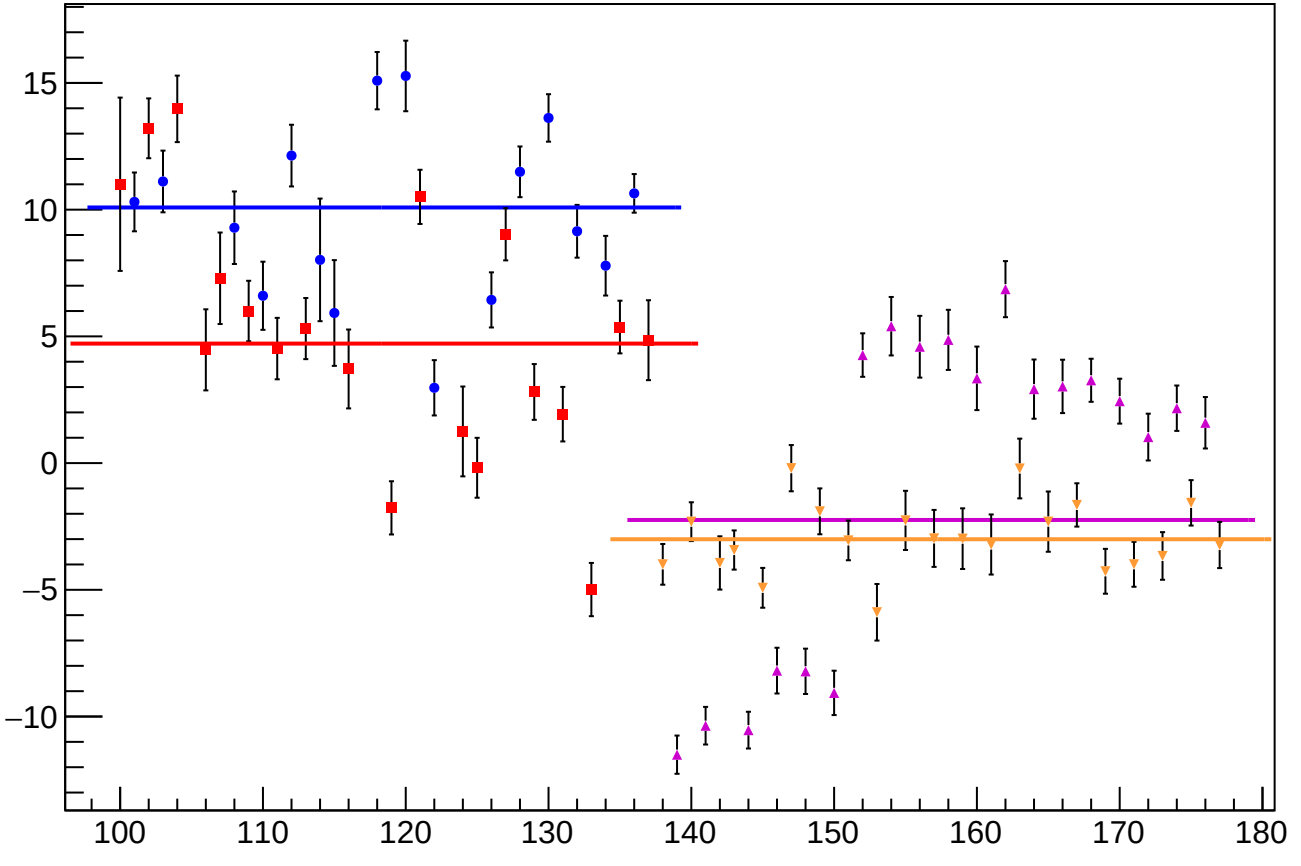
Right: 4708.872+/-0.873 χ^2/NDF: 421232.0/34

In: 4024.481+/-0.602 χ^2/NDF:814463.2/34

Out: 4029.645+/-0.586 χ^2/NDF:934283.8/39

All: 4027.136+/-0.420 χ^2/NDF: 1748784.8/74

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -3.005+/-0.203 χ^2/NDF:42.3/20

Right Out: 4.715+/-0.286 χ^2/NDF: 310.2/18

Left In: -2.244+/-0.214 χ^2/NDF:971.8/18

Left: -2.643+/-0.147 χ^2/NDF: 1020.7/39

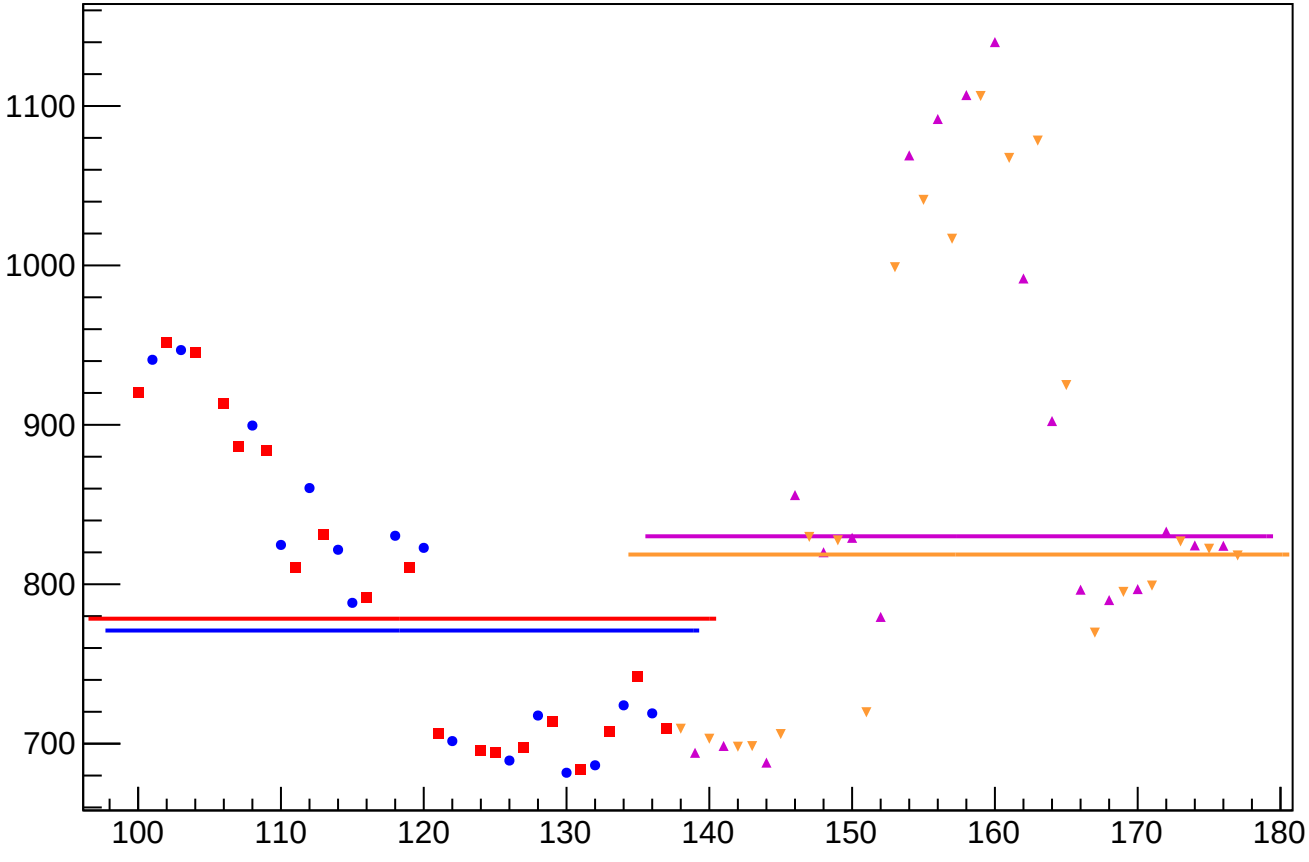
Right: 7.376+/-0.203 χ^2/NDF: 609.2/34

In: 2.128+/-0.172 χ^2/NDF:2275.7/34

Out: -0.409+/-0.166 χ^2/NDF:836.9/39

All: 0.815+/-0.119 χ^2/NDF: 3225.6/74

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 818.648+/-0.144 χ^2/NDF:743391.6/20

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

Left In: 830.087+/-0.151 χ^2/NDF:682081.6/18

Left: 824.084+/-0.104 χ^2/NDF: 1428479.2/39

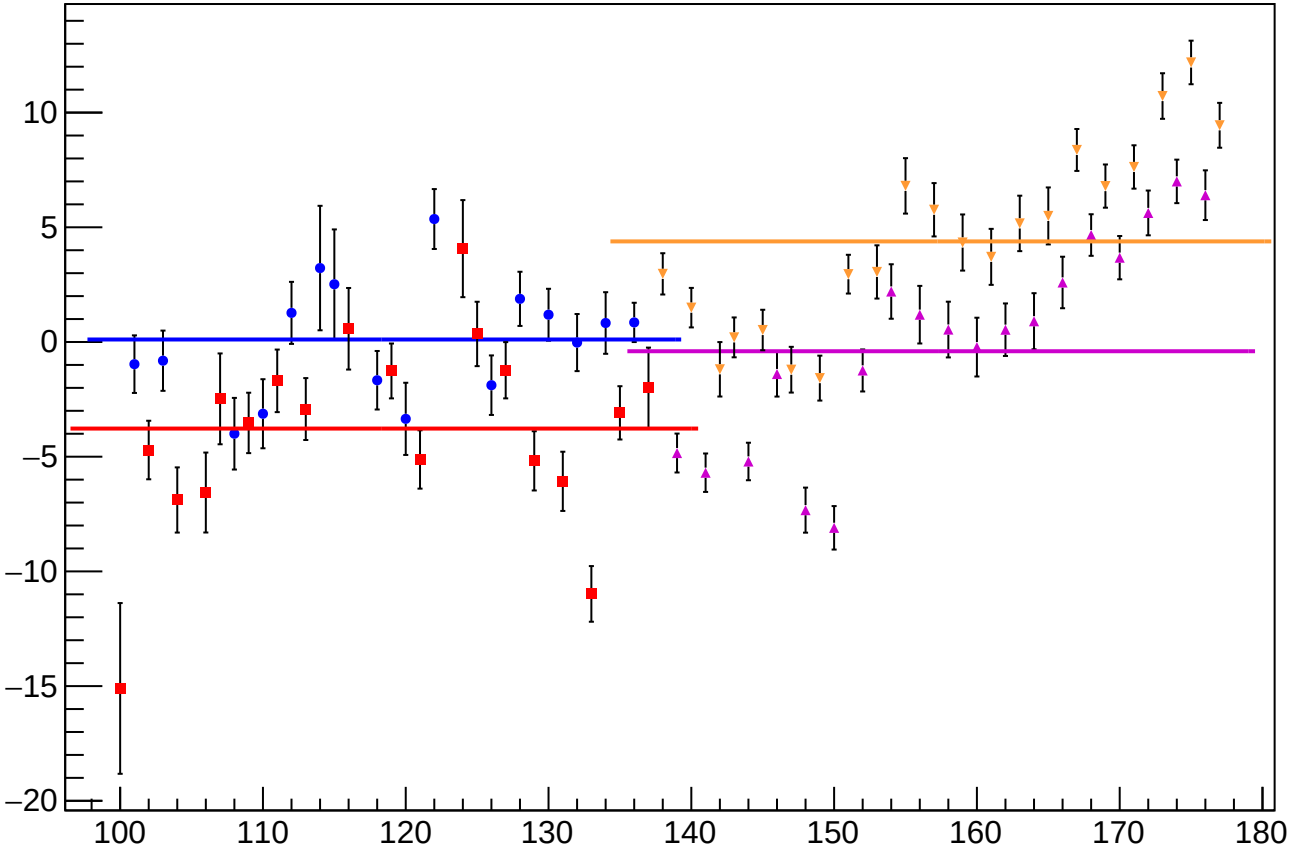
Right: 774.717+/-0.144 χ^2/NDF: 390124.3/34

In: 809.125+/-0.121 χ^2/NDF:929233.0/34

Out: 805.111+/-0.117 χ^2/NDF:966275.6/39

All: 807.046+/-0.084 χ^2/NDF: 1896074.4/74

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 4.385+/-0.219 χ^2/NDF:330.1/20

Right Out: -3.774+/-0.326 χ^2/NDF: 99.6/18

Left In: -0.403+/-0.230 χ^2/NDF:423.9/18

Left: 2.106+/-0.159 χ^2/NDF: 980.9/39

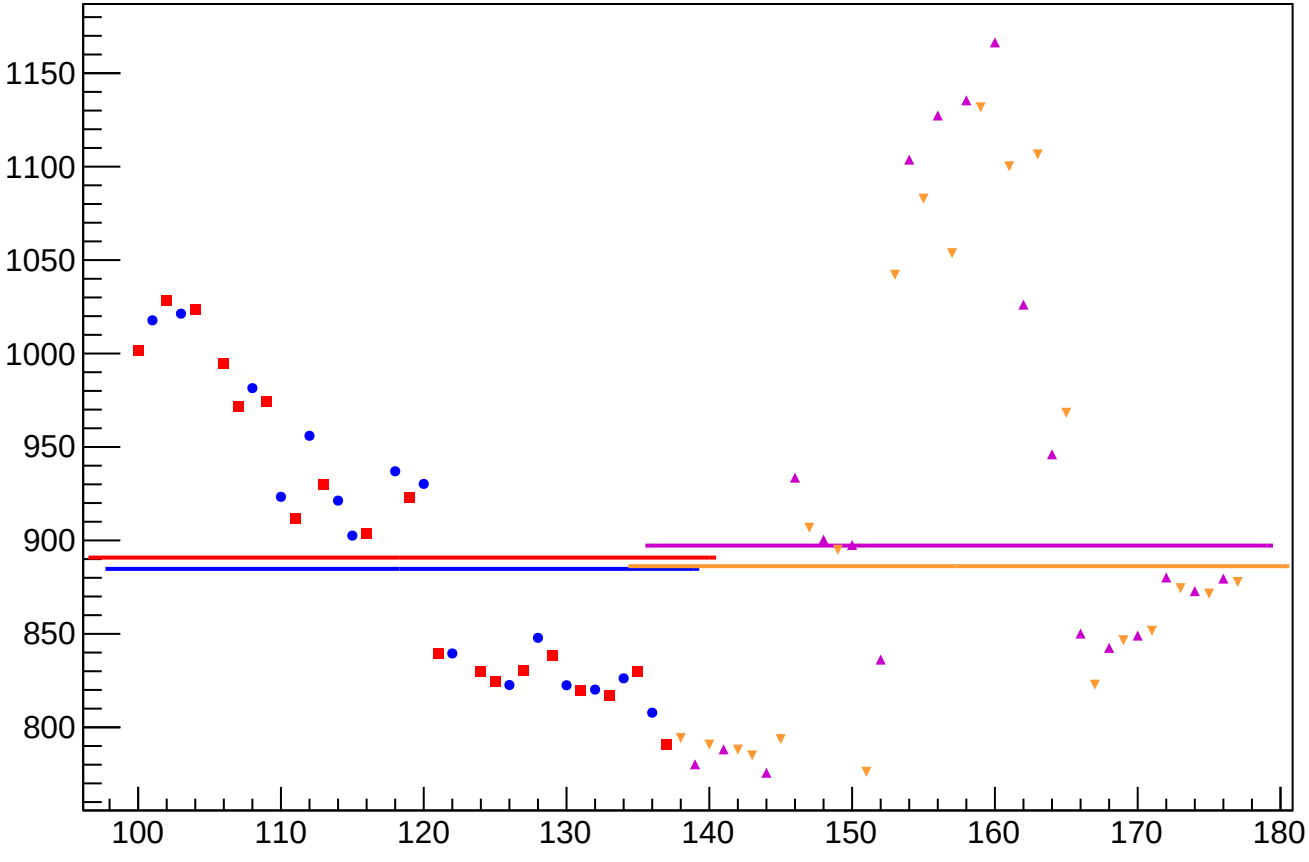
Right: -1.855+/-0.232 χ^2/NDF: 215.0/34

In: -0.235+/-0.189 χ^2/NDF:470.9/34

Out: 1.845+/-0.182 χ^2/NDF:860.8/39

All: 0.843+/-0.131 χ^2/NDF: 1394.6/74

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 886.221+/-0.155 χ^2/NDF:507700.6/20

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

Left In: 897.232+/-0.163 χ^2/NDF:467762.8/18

Left: 891.462+/-0.112 χ^2/NDF: 977864.3/39

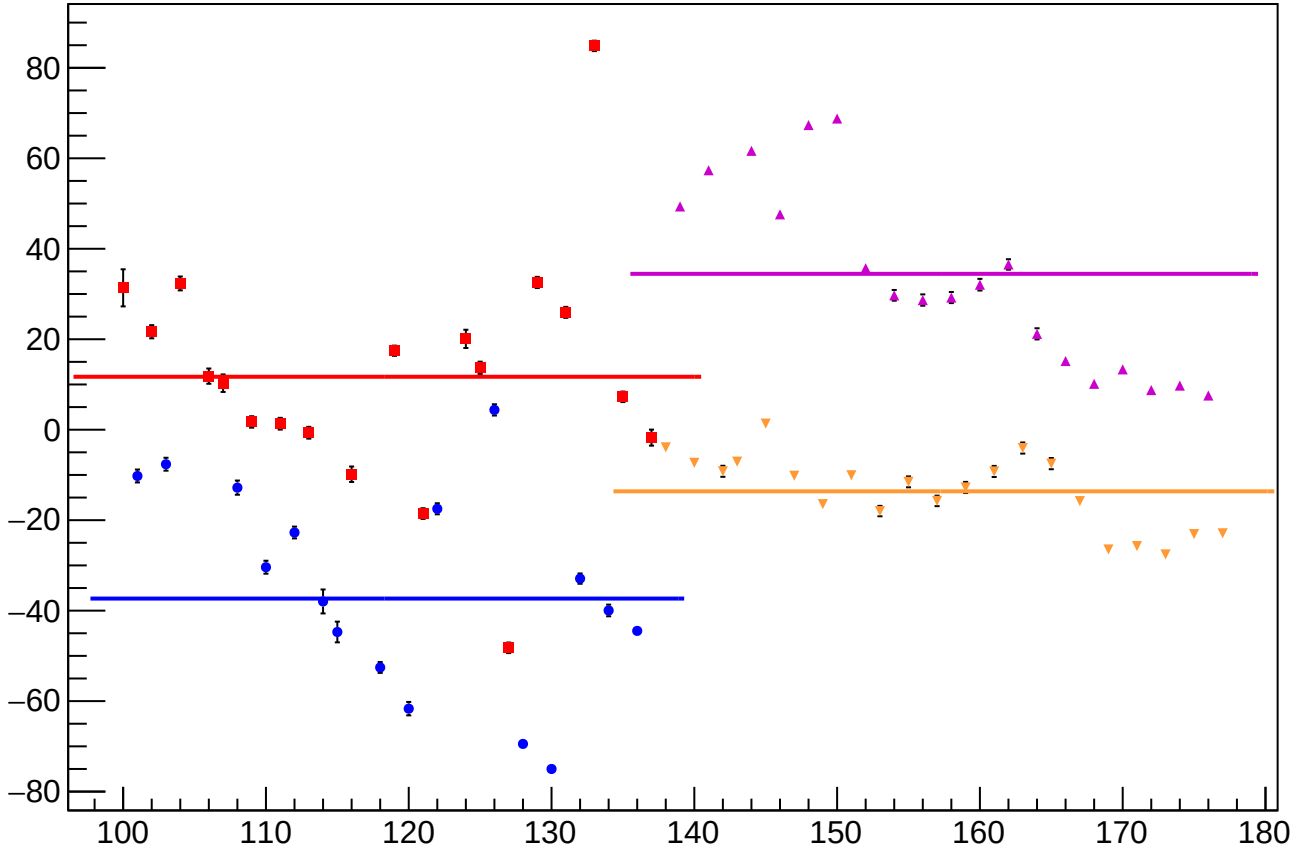
Right: 887.830+/-0.164 χ^2/NDF: 212597.1/34

In: 893.156+/-0.133 χ^2/NDF:574176.0/34

Out: 887.652+/-0.129 χ^2/NDF:615737.7/39

All: 890.303+/-0.093 χ^2/NDF: 1190795.5/74

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -13.619+/-0.221 χ^2/NDF:1414.9/20

Right Out: 11.706+/-0.318 χ^2/NDF: 8463.6/18

Left In: 34.458+/-0.233 χ^2/NDF:8028.6/18

Left: 9.170+/-0.160 χ^2/NDF: 31857.6/39

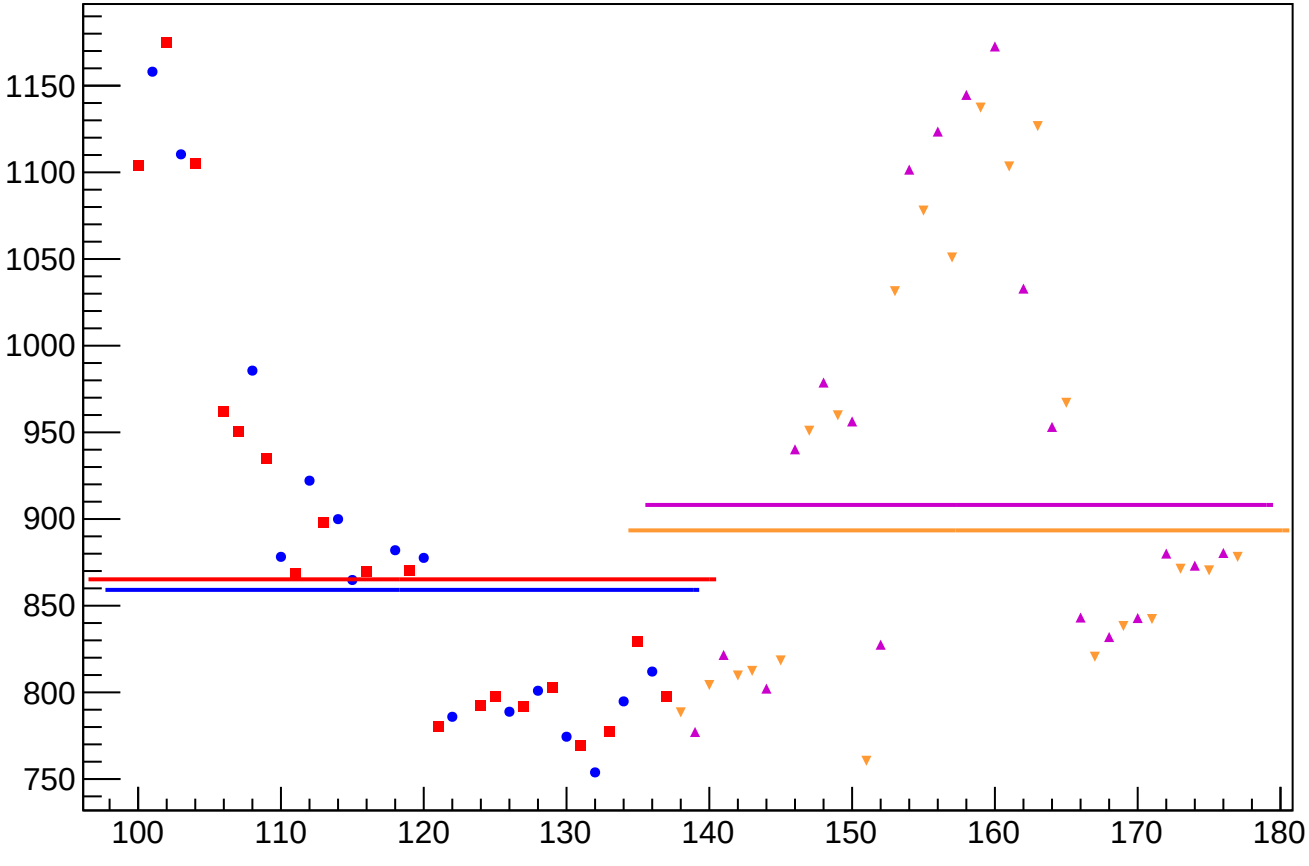
Right: -12.519+/-0.226 χ^2/NDF: 25401.8/34

In: 9.775+/-0.189 χ^2/NDF:45881.0/34

Out: -5.364+/-0.182 χ^2/NDF:14155.8/39

All: 1.913+/-0.131 χ^2/NDF: 63380.5/74

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 893.454+/-0.156 χ^2/NDF:510489.1/20

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

Left In: 908.128+/-0.165 χ^2/NDF:464188.2/18

Left: 900.409+/-0.113 χ^2/NDF: 978853.5/39

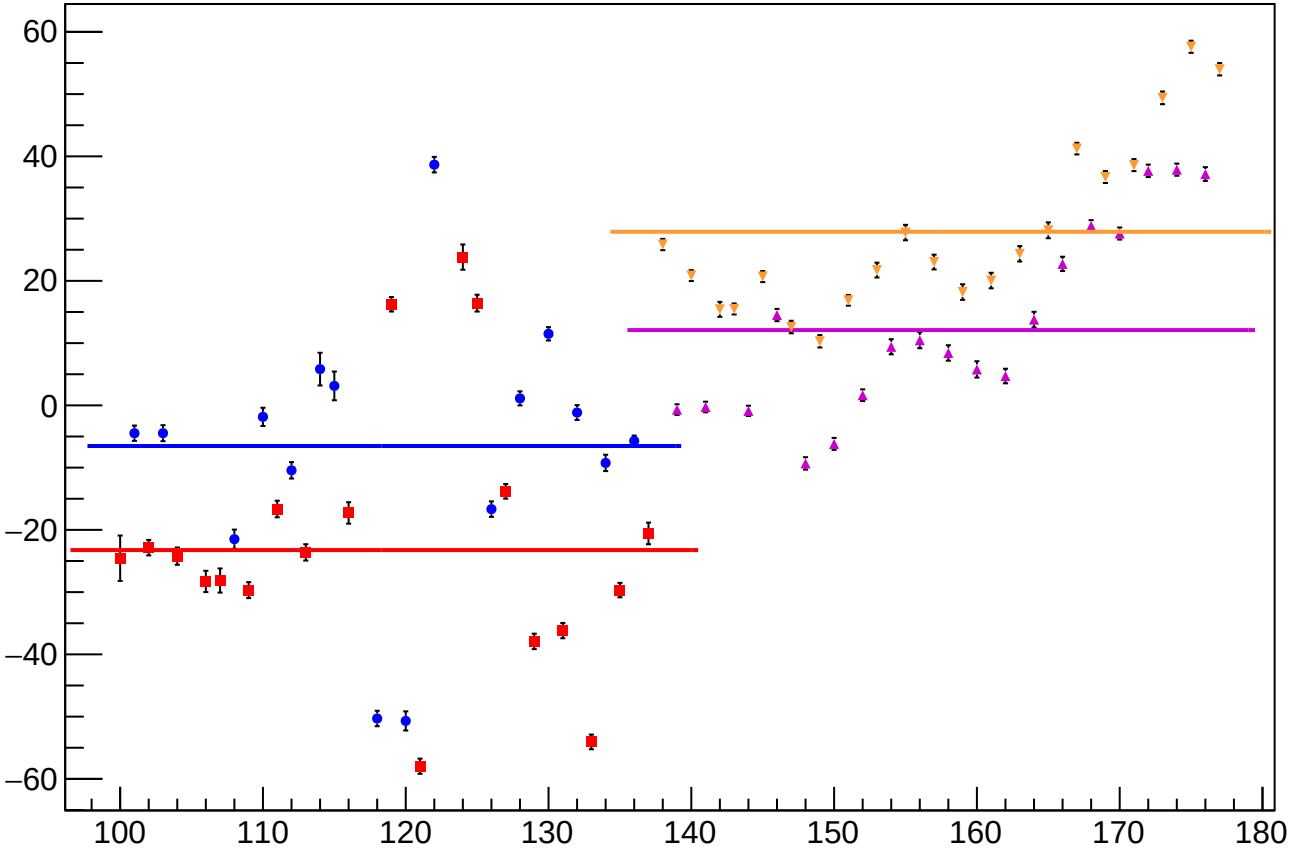
Right: 862.206+/-0.160 χ^2/NDF: 452741.3/34

In: 891.279+/-0.133 χ^2/NDF:723340.4/34

Out: 884.248+/-0.128 χ^2/NDF:744795.6/39

All: 887.628+/-0.092 χ^2/NDF: 1469578.7/74

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 27.888+/-0.224 χ^2/NDF:3758.0/20

Right Out: -23.244+/-0.317 χ^2/NDF: 4470.0/18

Left In: 12.094+/-0.235 χ^2/NDF:4232.7/18

Left: 20.375+/-0.162 χ^2/NDF: 10361.5/39

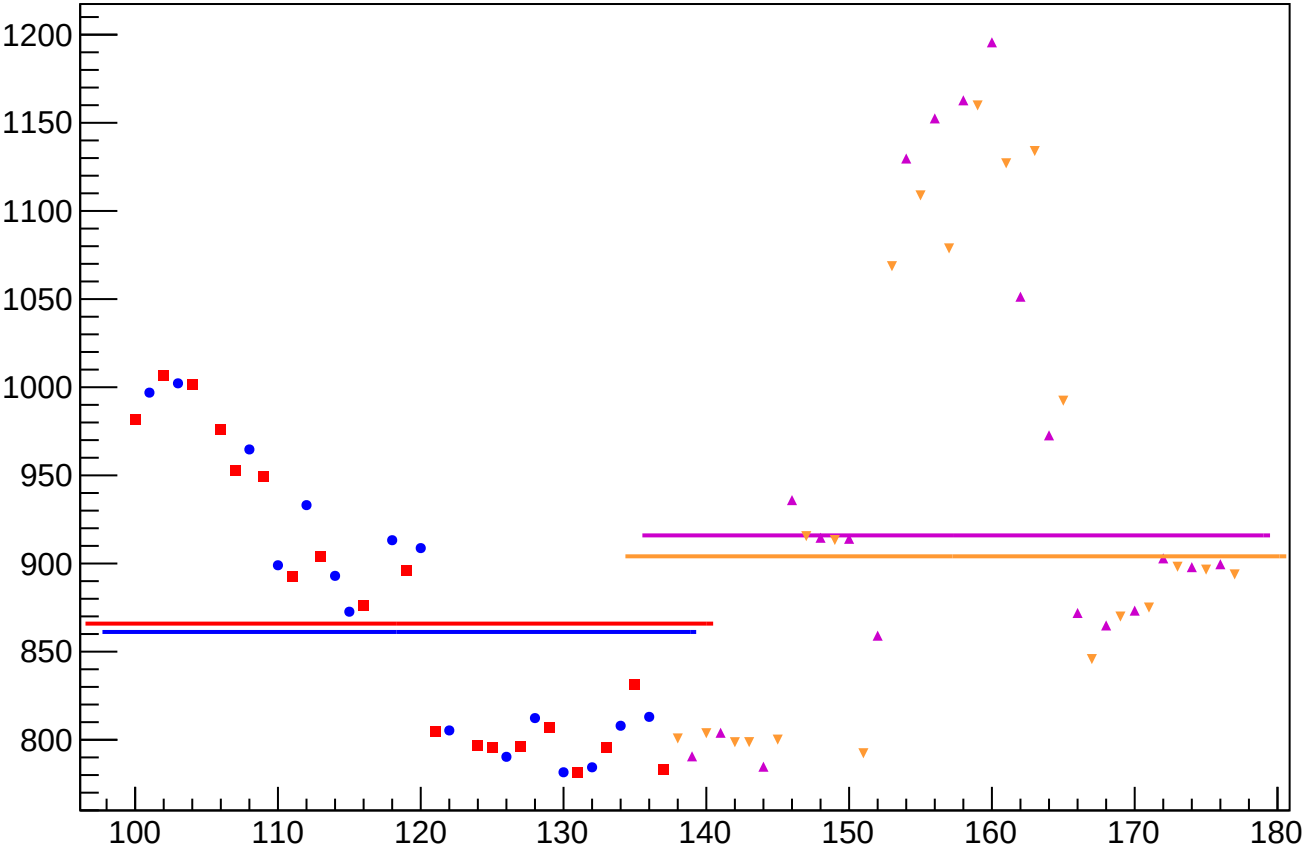
Right: -14.995+/-0.226 χ^2/NDF: 9787.9/34

In: 5.606+/-0.190 χ^2/NDF:10369.3/34

Out: 10.889+/-0.183 χ^2/NDF:25593.4/39

All: 8.344+/-0.132 χ^2/NDF: 36365.2/74

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 904.081+/-0.158 χ^2/NDF:531266.7/20

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

Left In: 915.951+/-0.166 χ^2/NDF:479772.1/18

Left: 909.728+/-0.115 χ^2/NDF: 1013717.0/39

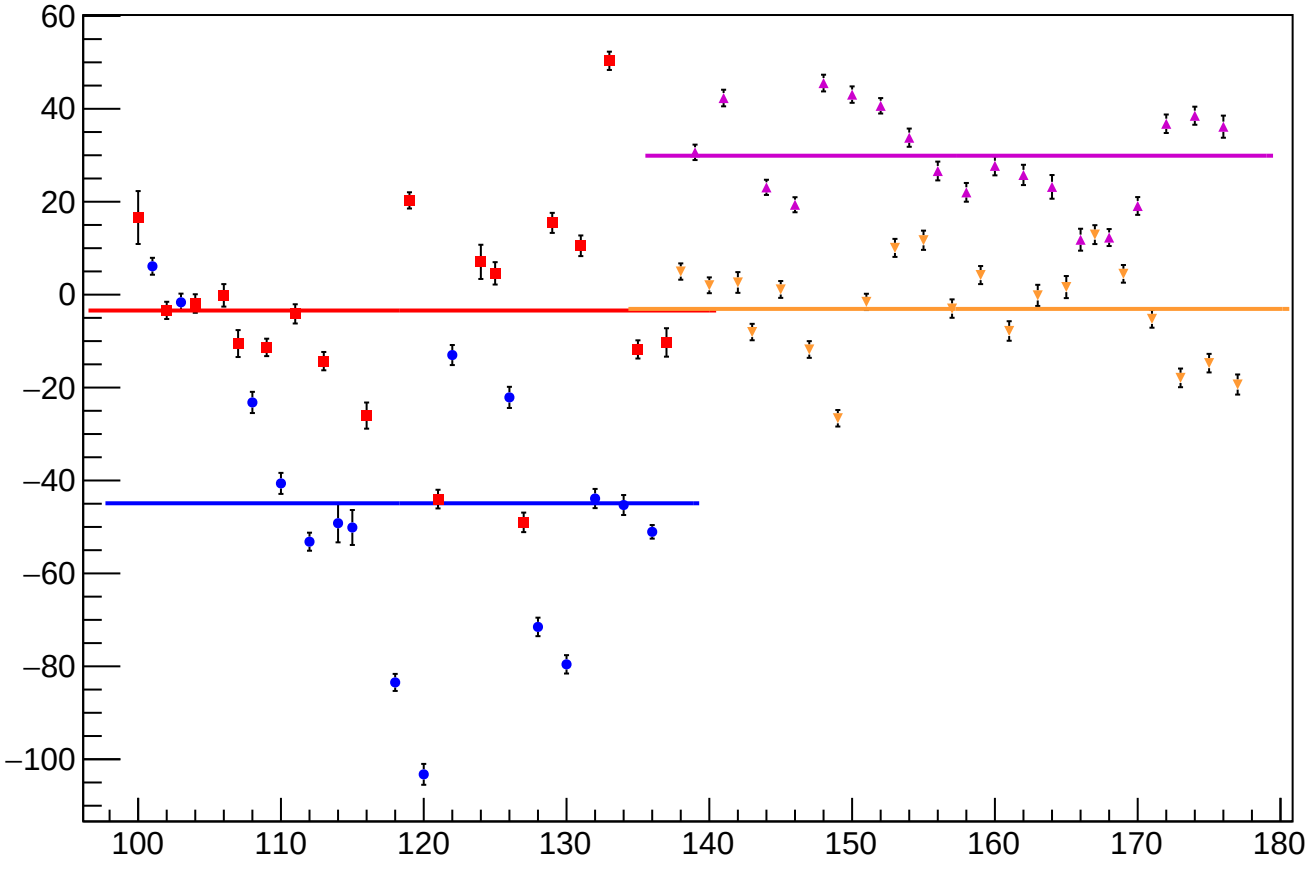
Right: 863.569+/-0.160 χ^2/NDF: 232168.2/34

In: 896.864+/-0.134 χ^2/NDF:631210.6/34

Out: 891.390+/-0.129 χ^2/NDF:669043.0/39

All: 894.027+/-0.093 χ^2/NDF: 1301117.8/74

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -3.068+/-0.424 χ^2/NDF:595.1/20

Right Out: -3.416+/-0.509 χ^2/NDF: 2102.1/18

Left In: 29.905+/-0.438 χ^2/NDF:536.2/18

Left: 12.880+/-0.305 χ^2/NDF: 4059.5/39

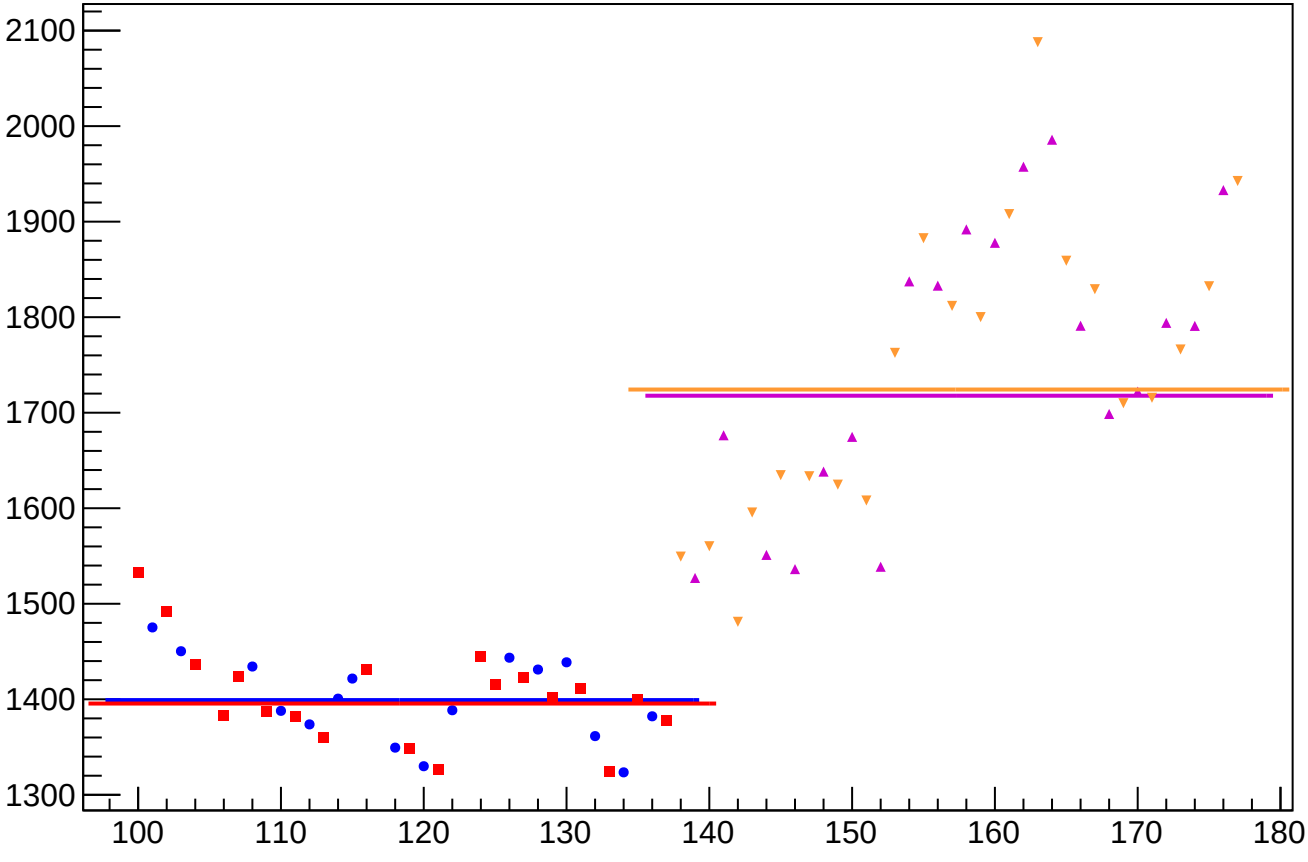
Right: -23.727+/-0.364 χ^2/NDF: 8730.3/34

In: -1.138+/-0.335 χ^2/NDF:16027.4/34

Out: -3.211+/-0.326 χ^2/NDF:2697.5/39

All: -2.203+/-0.233 χ^2/NDF: 18744.5/74

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1724.265+/-0.300 χ^2/NDF:222681.0/20

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

Left In: 1717.792+/-0.310 χ^2/NDF:212993.0/18

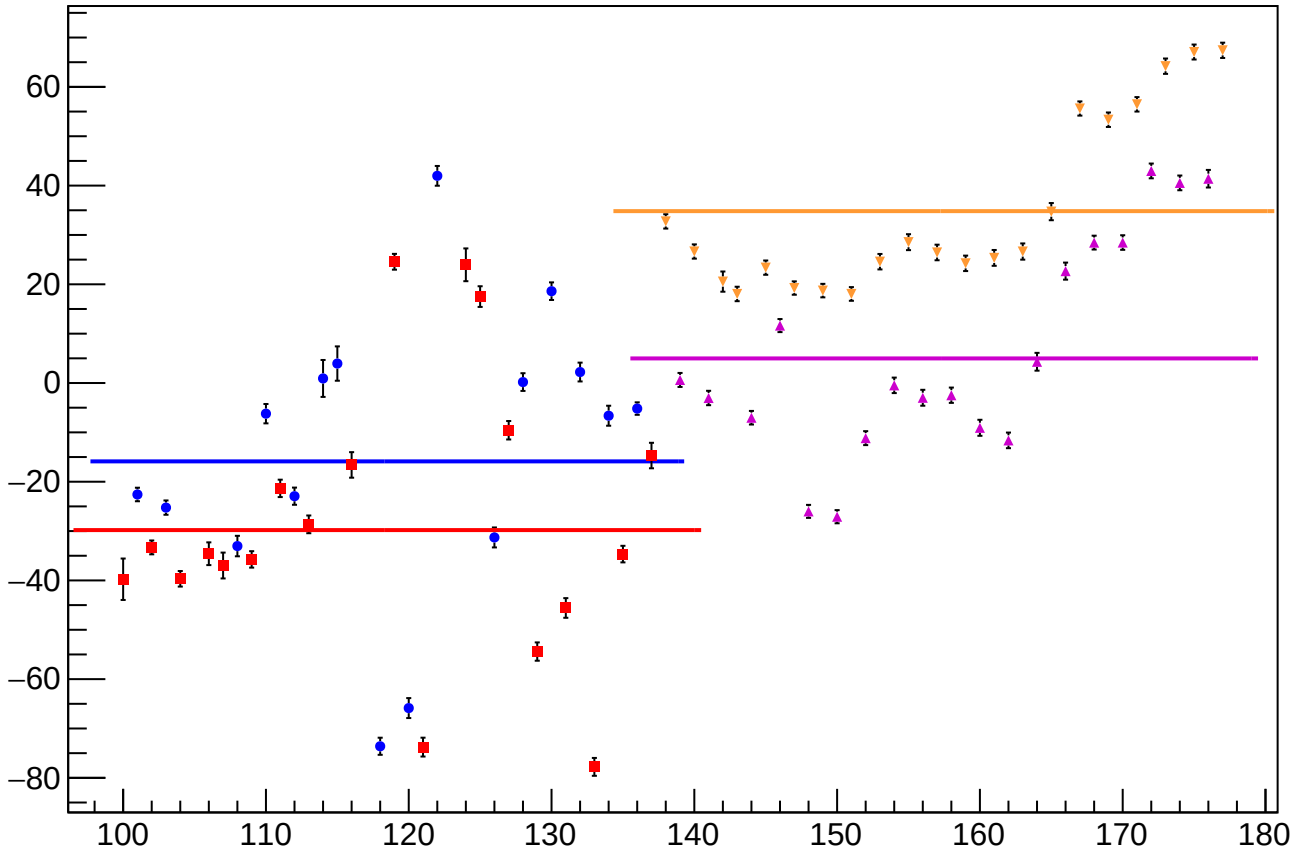
Left: 1721.134+/-0.215 χ^2/NDF: 435899.7/39

Right: 1397.321+/-0.257 χ^2/NDF: 31134.7/34

In: 1585.577+/-0.237 χ^2/NDF:667301.9/34

Out: 1589.736+/-0.230 χ^2/NDF:731393.0/39

All: 1587.714+/-0.165 χ^2/NDF: 1398853.5/74



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 34.826+/-0.332 χ^2/NDF:2720.9/20

Right Out: -29.801+/-0.444 χ^2/NDF: 3681.2/18

Left In: 4.981+/-0.343 χ^2/NDF:3911.7/18

Left: 20.410+/-0.238 χ^2/NDF: 10546.9/39

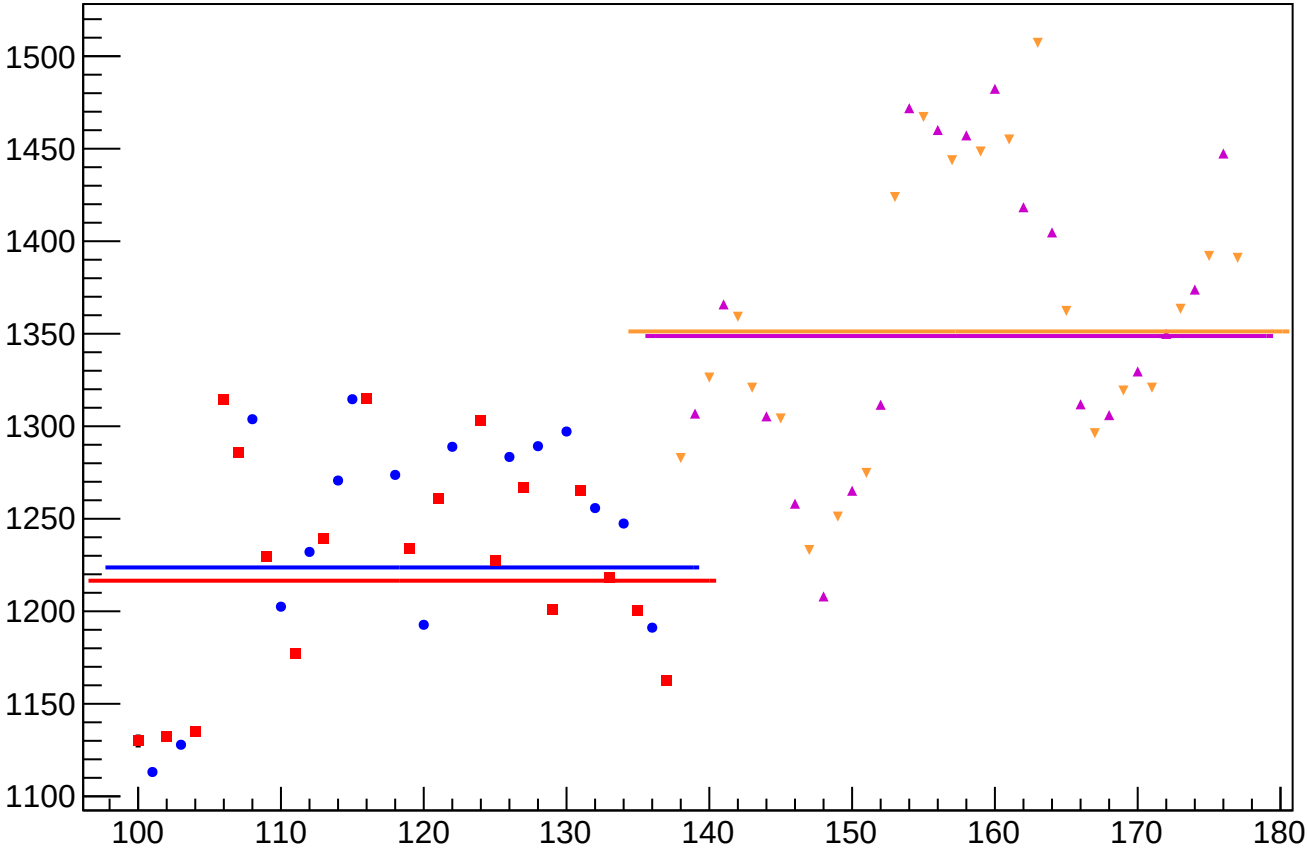
Right: -23.008+/-0.318 χ^2/NDF: 7638.0/34

In: -2.572+/-0.274 χ^2/NDF:8728.8/34

Out: 11.715+/-0.266 χ^2/NDF:19990.1/39

All: 4.789+/-0.191 χ^2/NDF: 30120.3/74

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1351.251+/-0.234 χ^2/NDF:103275.2/20

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

Left In: 1348.757+/-0.243 χ^2/NDF:106155.3/18

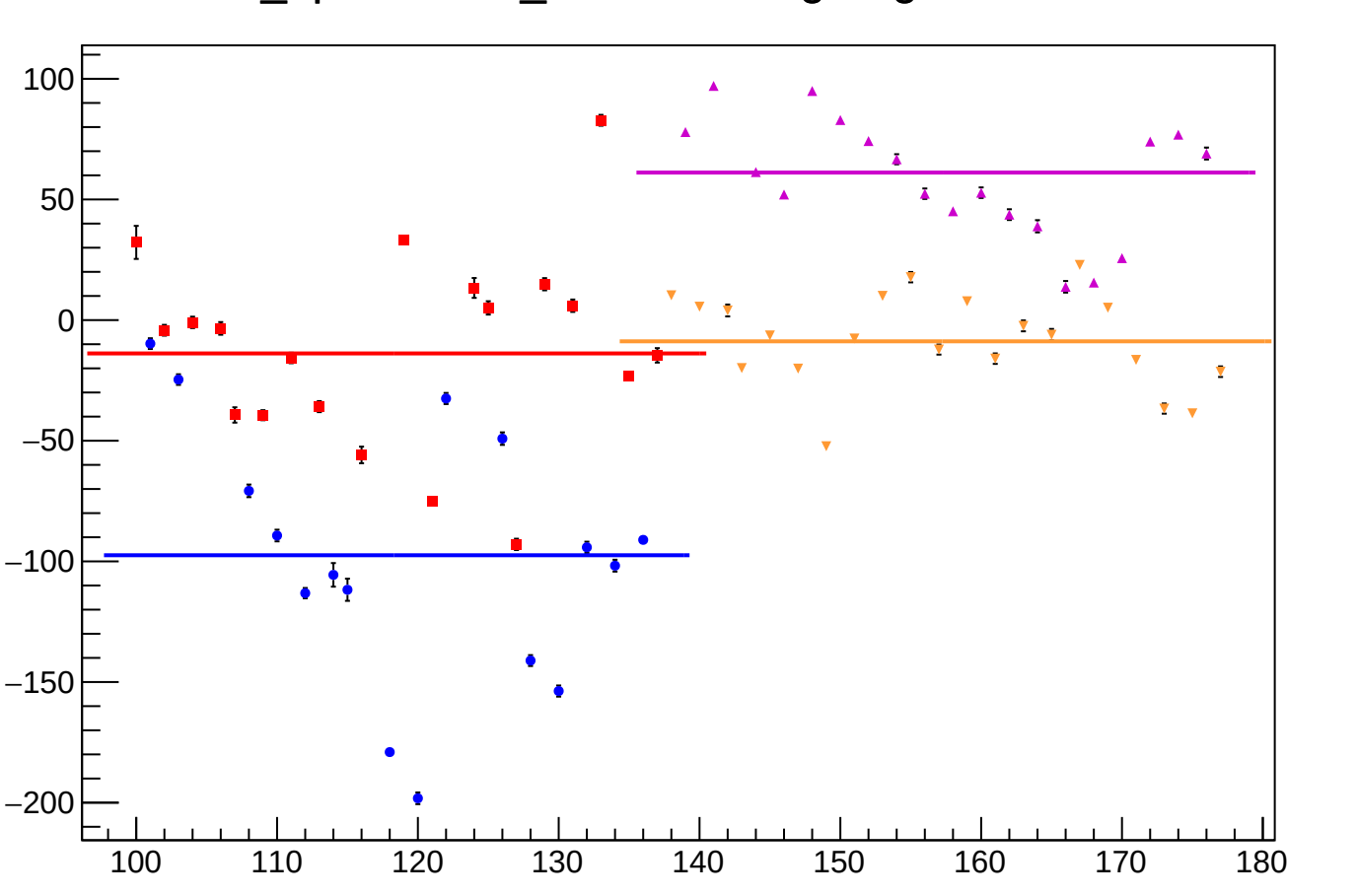
Left: 1350.047+/-0.169 χ^2/NDF: 209485.1/39

Right: 1220.031+/-0.225 χ^2/NDF: 70518.8/34

In: 1303.476+/-0.194 χ^2/NDF:243313.9/34

Out: 1303.075+/-0.188 χ^2/NDF:250747.2/39

All: 1303.270+/-0.135 χ^2/NDF: 494063.4/74



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -8.797+/-0.435 χ^2/NDF:1930.9/20

Right Out: -13.816+/-0.566 χ^2/NDF: 5352.2/18

Left In: 61.152+/-0.452 χ^2/NDF:2726.3/18

Left: 24.891+/-0.314 χ^2/NDF: 17081.9/39

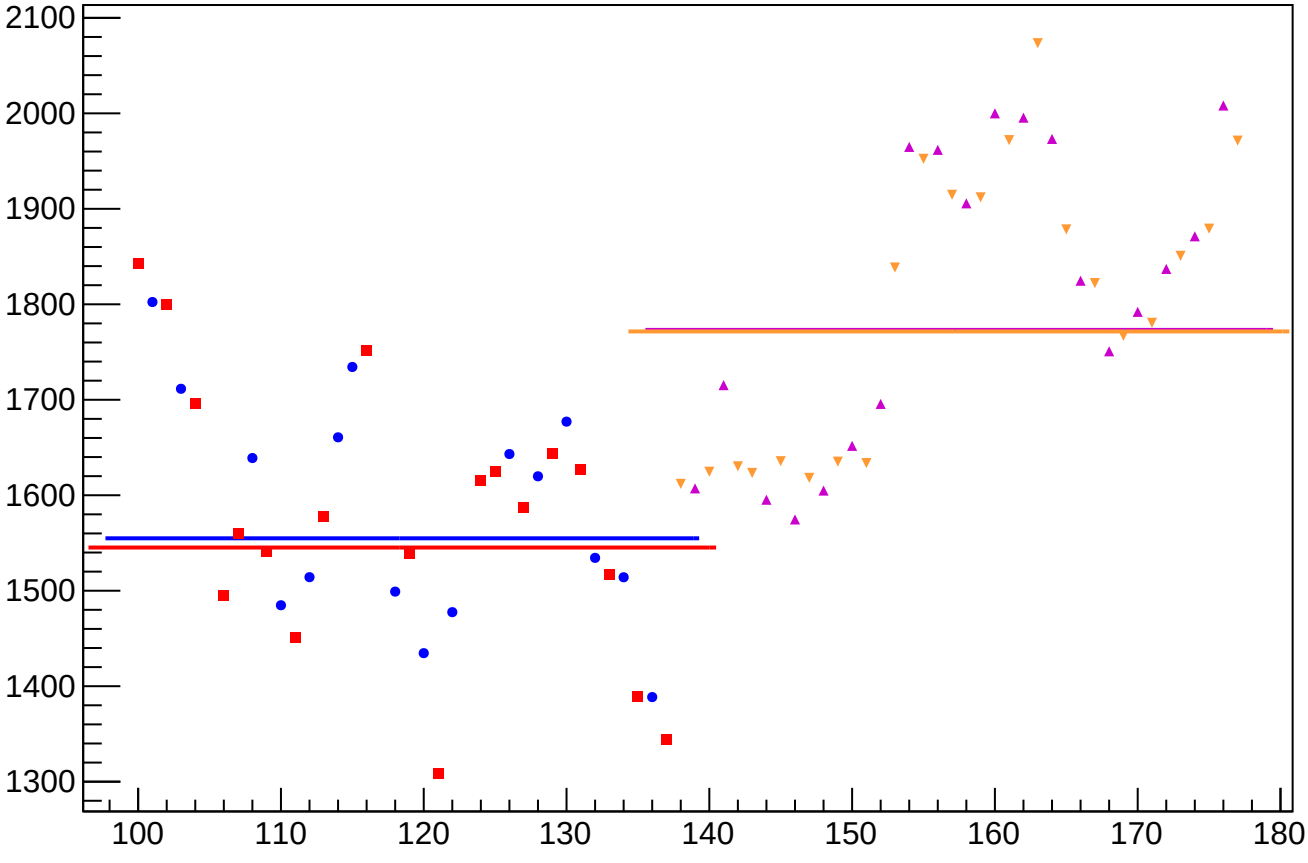
Right: -54.632+/-0.405 χ^2/NDF: 24320.8/34

In: 1.177+/-0.356 χ^2/NDF:57623.0/34

Out: -10.665+/-0.345 χ^2/NDF:7332.5/39

All: -4.933+/-0.248 χ^2/NDF: 65525.5/74

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1771.566+/-0.308 χ^2/NDF:216731.2/20

Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

Left In: 1773.189+/-0.319 χ^2/NDF:223036.7/18

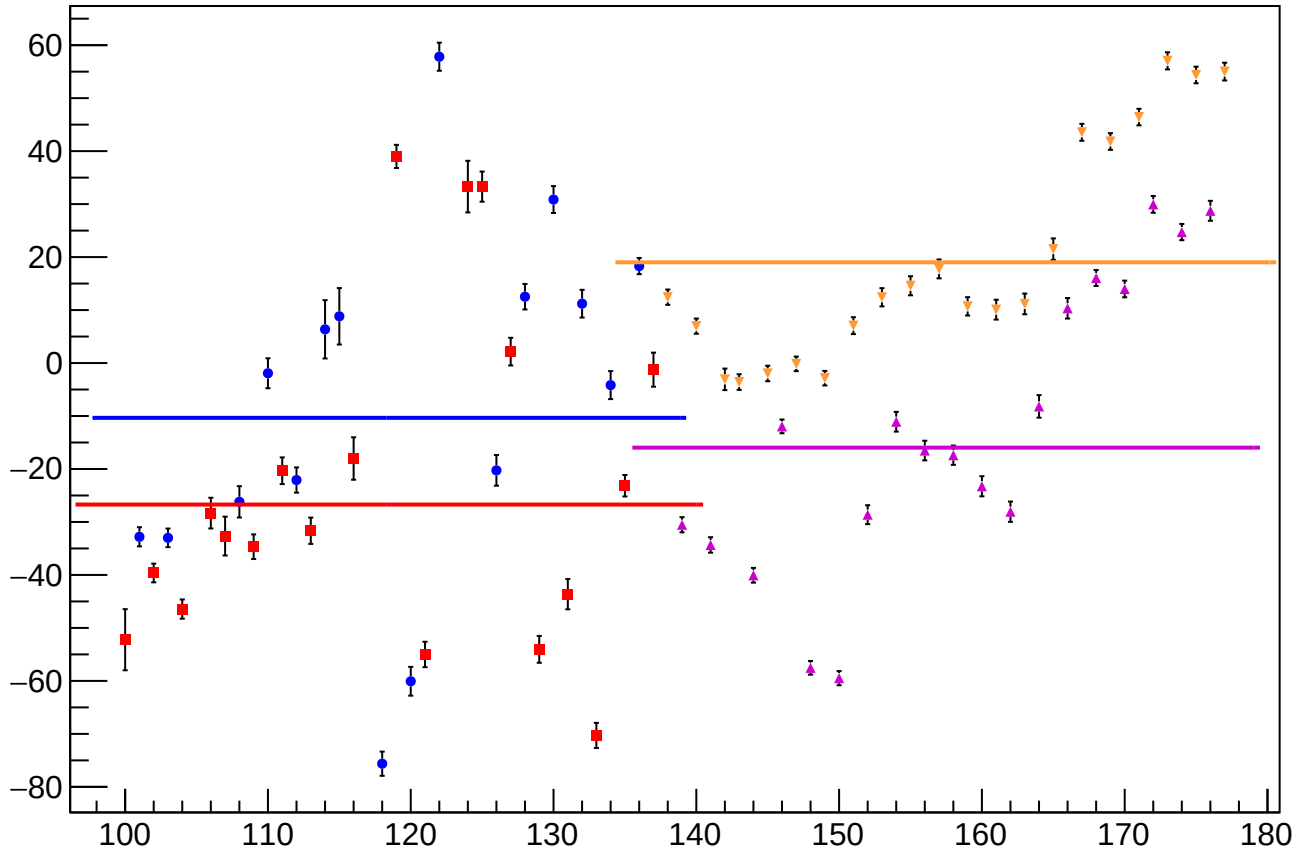
Left: 1772.348+/-0.222 χ^2/NDF: 439781.3/39

Right: 1549.957+/-0.286 χ^2/NDF: 196994.7/34

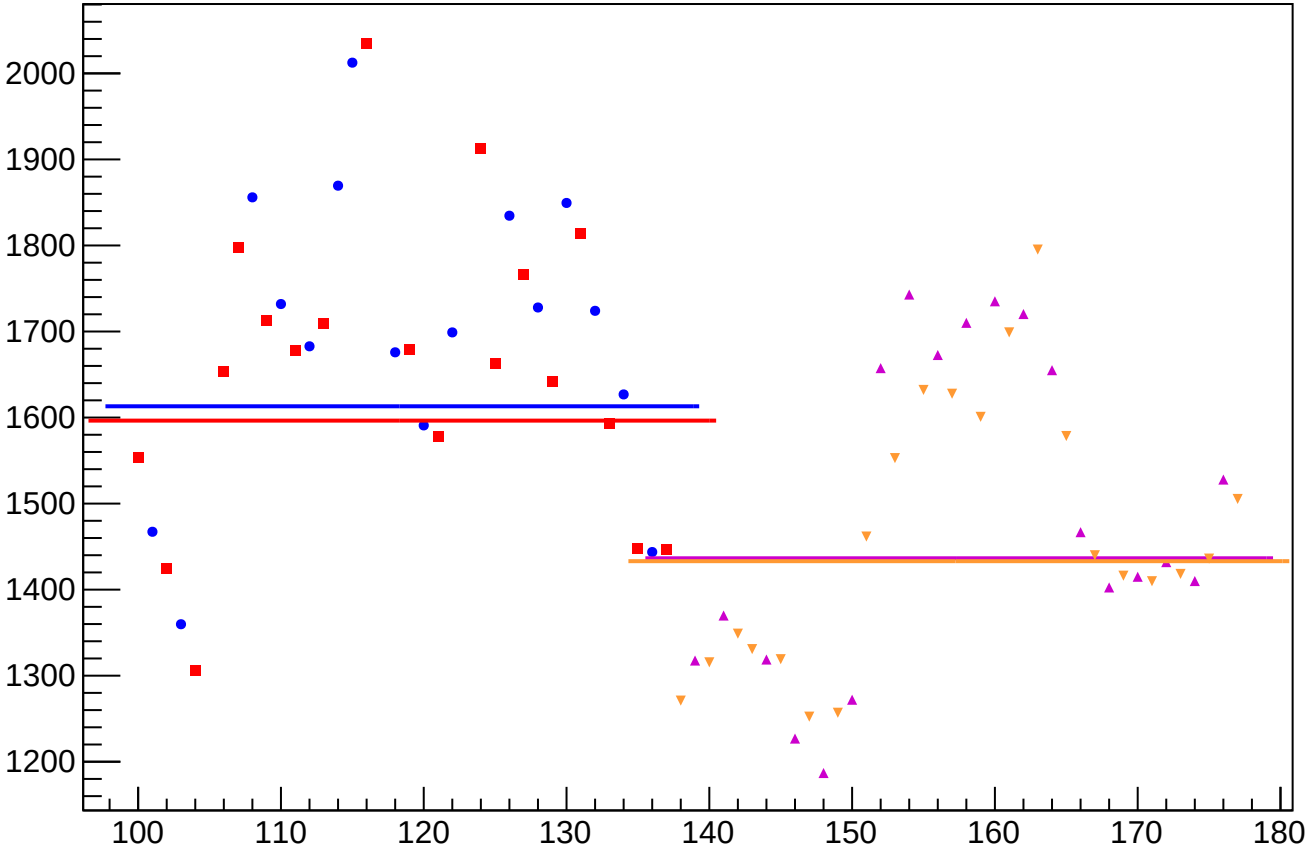
In: 1690.650+/-0.252 χ^2/NDF:487465.9/34

Out: 1687.341+/-0.244 χ^2/NDF:526541.0/39

All: 1688.942+/-0.175 χ^2/NDF: 1014095.9/74


diff_bpm0i02aY_mean vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
180
Right In: -10.345+/-0.603 χ²/NDF: 3007.0/15
Left Out: 19.013+/-0.353 χ²/NDF:3511.2/20
Right Out: -26.709+/-0.586 χ²/NDF: 2540.7/18
Left In: -15.969+/-0.368 χ²/NDF:5875.0/18
Left: 2.227+/-0.255 χ²/NDF: 14094.1/39
Right: -18.758+/-0.420 χ²/NDF: 5926.2/34
In: -14.445+/-0.314 χ²/NDF:8945.4/34
Out: 6.841+/-0.303 χ²/NDF:10513.7/39
All: -3.408+/-0.218 χ²/NDF: 21842.6/74

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1433.074+/-0.250 χ^2/NDF:332276.6/20

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

Left In: 1436.432+/-0.260 χ^2/NDF:472628.7/18

Left: 1434.685+/-0.180 χ^2/NDF: 804992.1/39

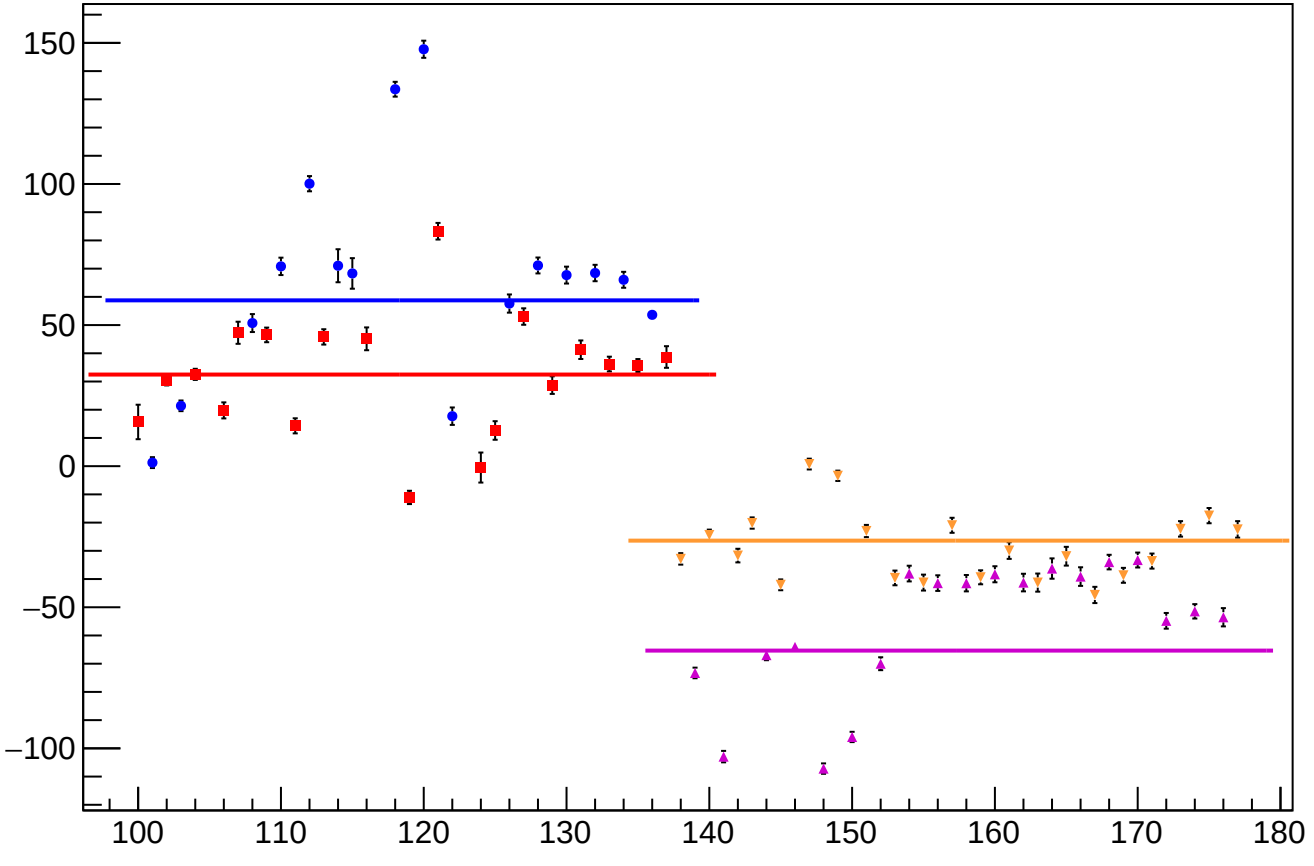
Right: 1604.533+/-0.297 χ^2/NDF: 316209.2/34

In: 1484.302+/-0.222 χ^2/NDF:752432.4/34

Out: 1476.566+/-0.214 χ^2/NDF:606912.6/39

All: 1480.290+/-0.154 χ^2/NDF: 1359974.6/74

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -26.387+/-0.523 χ^2/NDF:652.3/20

Right Out: 32.467+/-0.648 χ^2/NDF: 930.8/18

Left In: -65.357+/-0.544 χ^2/NDF:2032.3/18

Left: -45.106+/-0.377 χ^2/NDF: 5353.2/39

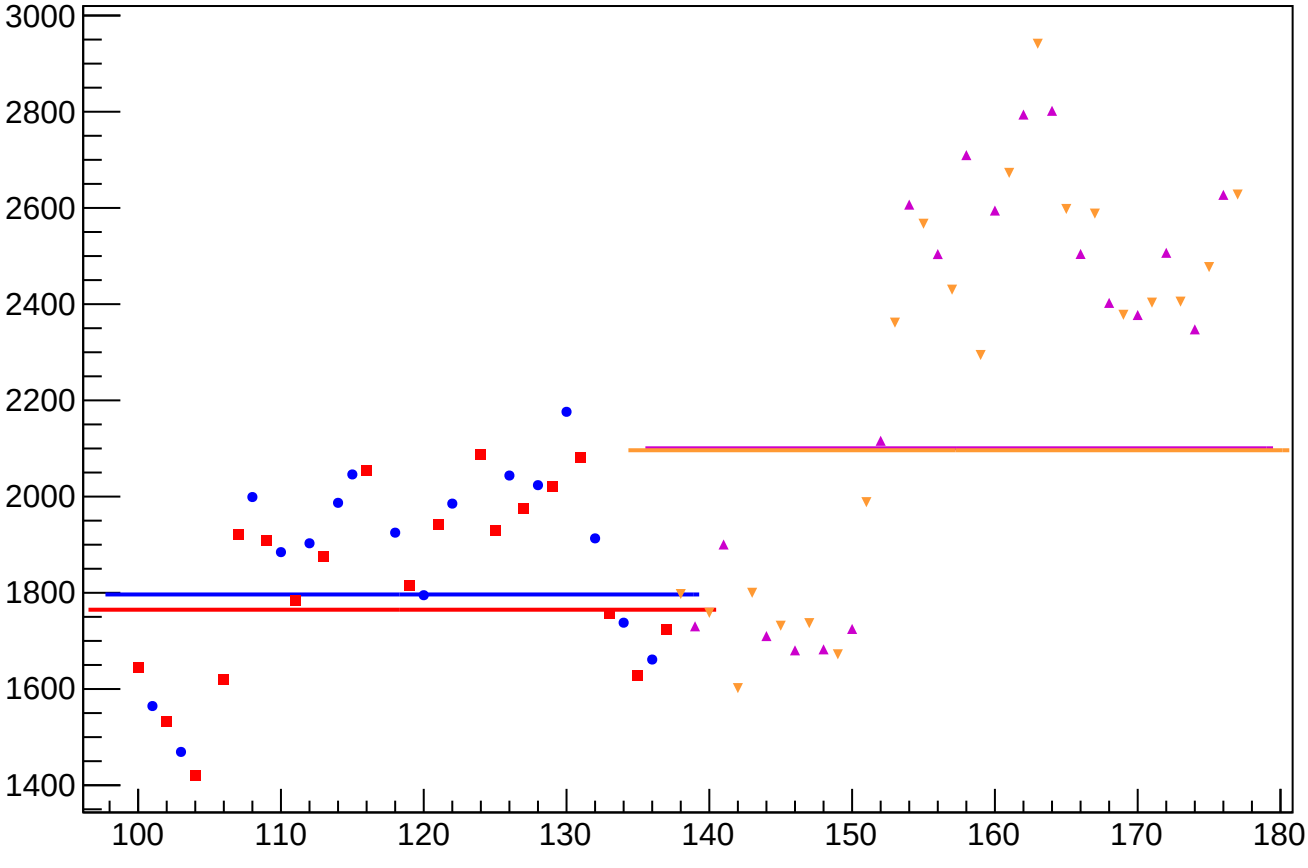
Right: 45.136+/-0.467 χ^2/NDF: 5166.5/34

In: -16.281+/-0.423 χ^2/NDF:26073.3/34

Out: -3.200+/-0.407 χ^2/NDF:6575.4/39

All: -9.491+/-0.293 χ^2/NDF: 33145.5/74

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 2096.318+/-0.370 χ^2/NDF:1107532.3/20

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

Left In: 2100.372+/-0.385 χ^2/NDF:1116423.1/18

Left: 2098.266+/-0.267 χ^2/NDF: 2224013.2/39

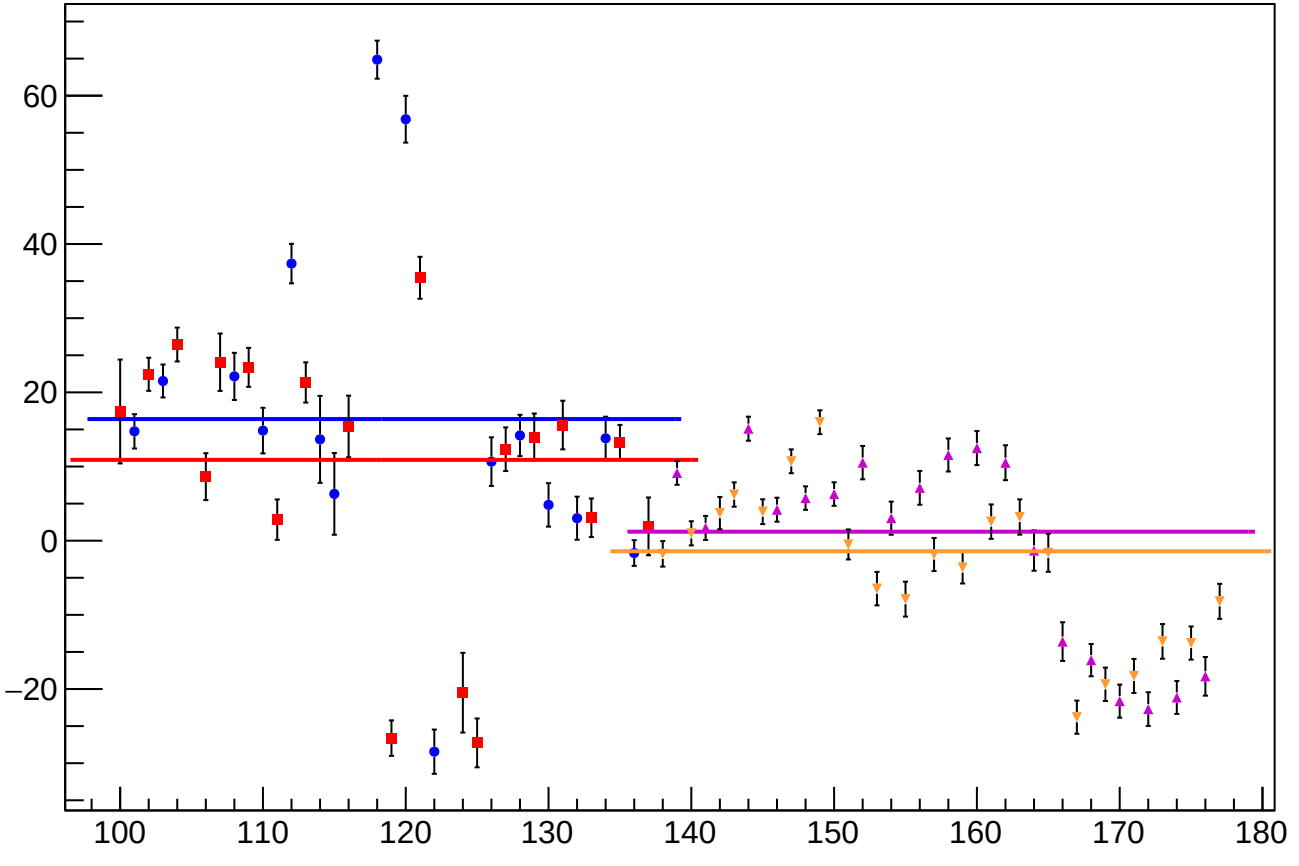
Right: 1780.131+/-0.330 χ^2/NDF: 385462.0/34

In: 1980.245+/-0.299 χ^2/NDF:1556430.5/34

Out: 1965.731+/-0.288 χ^2/NDF:1614212.9/39

All: 1972.712+/-0.207 χ^2/NDF: 3171866.5/74

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: -1.429+/-0.441 χ^2/NDF:517.6/20

Right Out: 10.899+/-0.676 χ^2/NDF: 641.7/18

Left In: 1.214+/-0.460 χ^2/NDF:674.8/18

Left: -0.161+/-0.318 χ^2/NDF: 1209.6/39

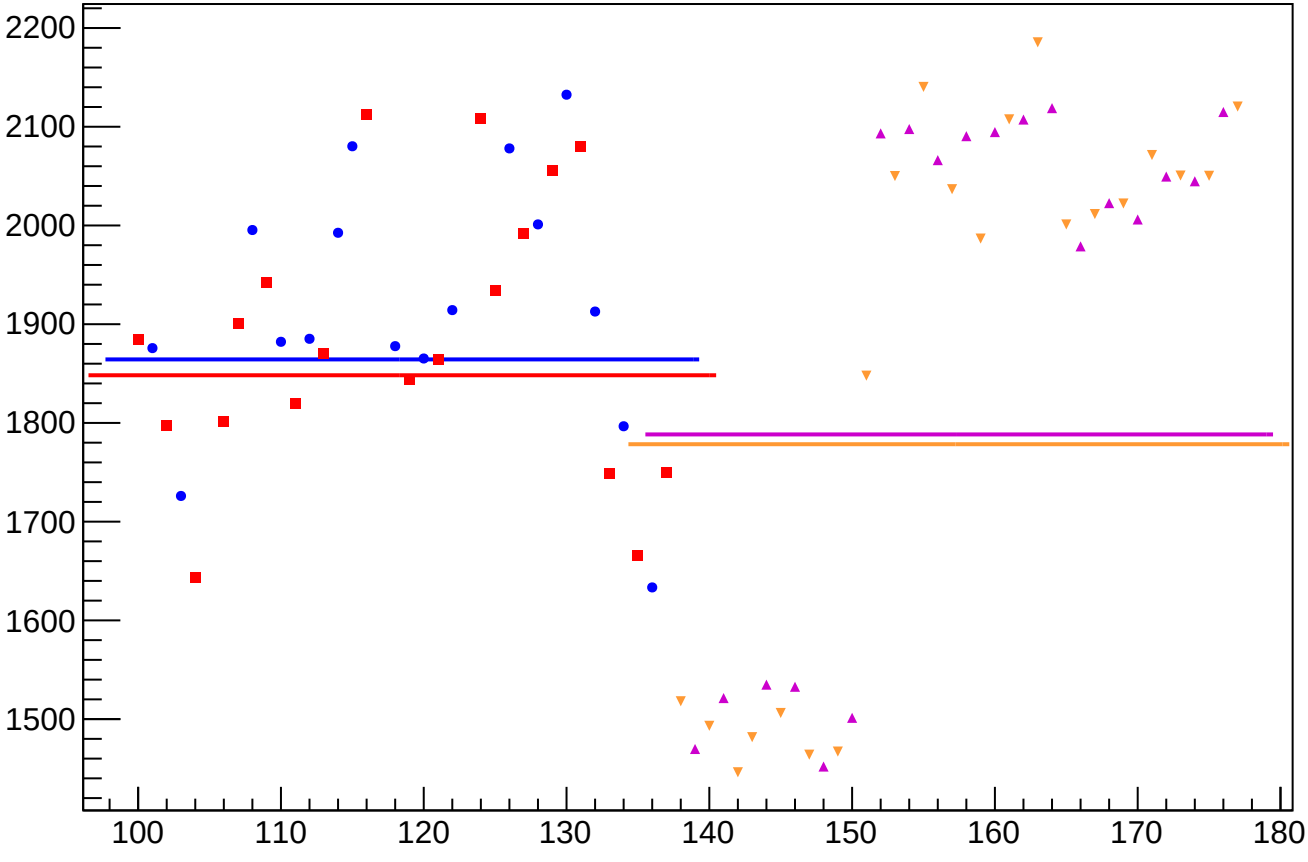
Right: 13.575+/-0.485 χ^2/NDF: 1646.8/34

In: 5.836+/-0.383 χ^2/NDF:1979.9/34

Out: 2.253+/-0.370 χ^2/NDF:1392.4/39

All: 3.979+/-0.266 χ^2/NDF: 3417.5/74

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1778.437+/-0.312 χ^2/NDF:838209.2/20

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

Left In: 1788.359+/-0.325 χ^2/NDF:769275.9/18

Left: 1783.197+/-0.225 χ^2/NDF: 1607969.9/39

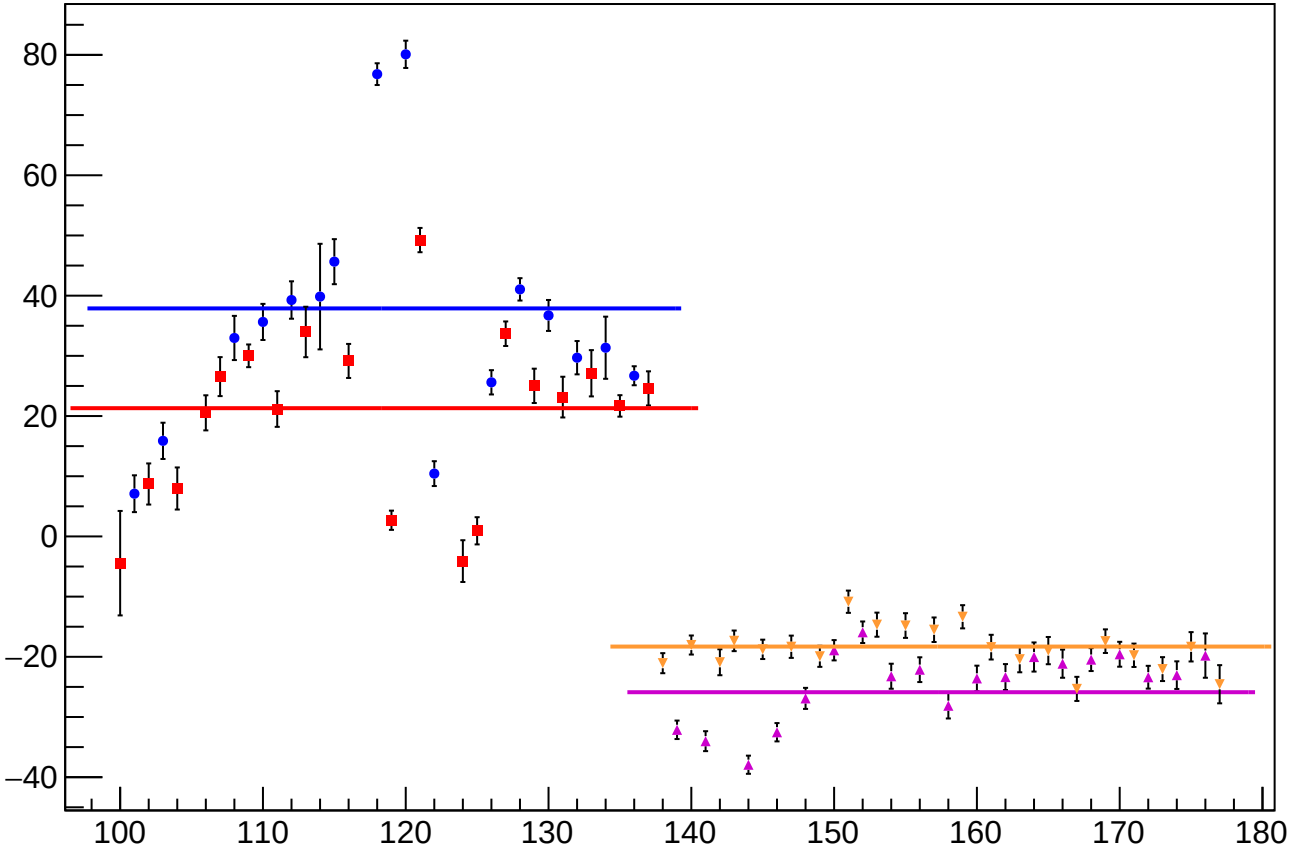
Right: 1856.091+/-0.343 χ^2/NDF: 158816.4/34

In: 1811.483+/-0.271 χ^2/NDF:869215.2/34

Out: 1799.302+/-0.261 χ^2/NDF:928128.3/39

All: 1805.169+/-0.188 χ^2/NDF: 1798389.8/74

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -18.298+/-0.425 χ^2/NDF:57.9/20

Right Out: 21.306+/-0.593 χ^2/NDF: 582.6/18

Left In: -25.881+/-0.439 χ^2/NDF:213.9/18

Left: -21.962+/-0.305 χ^2/NDF: 426.0/39

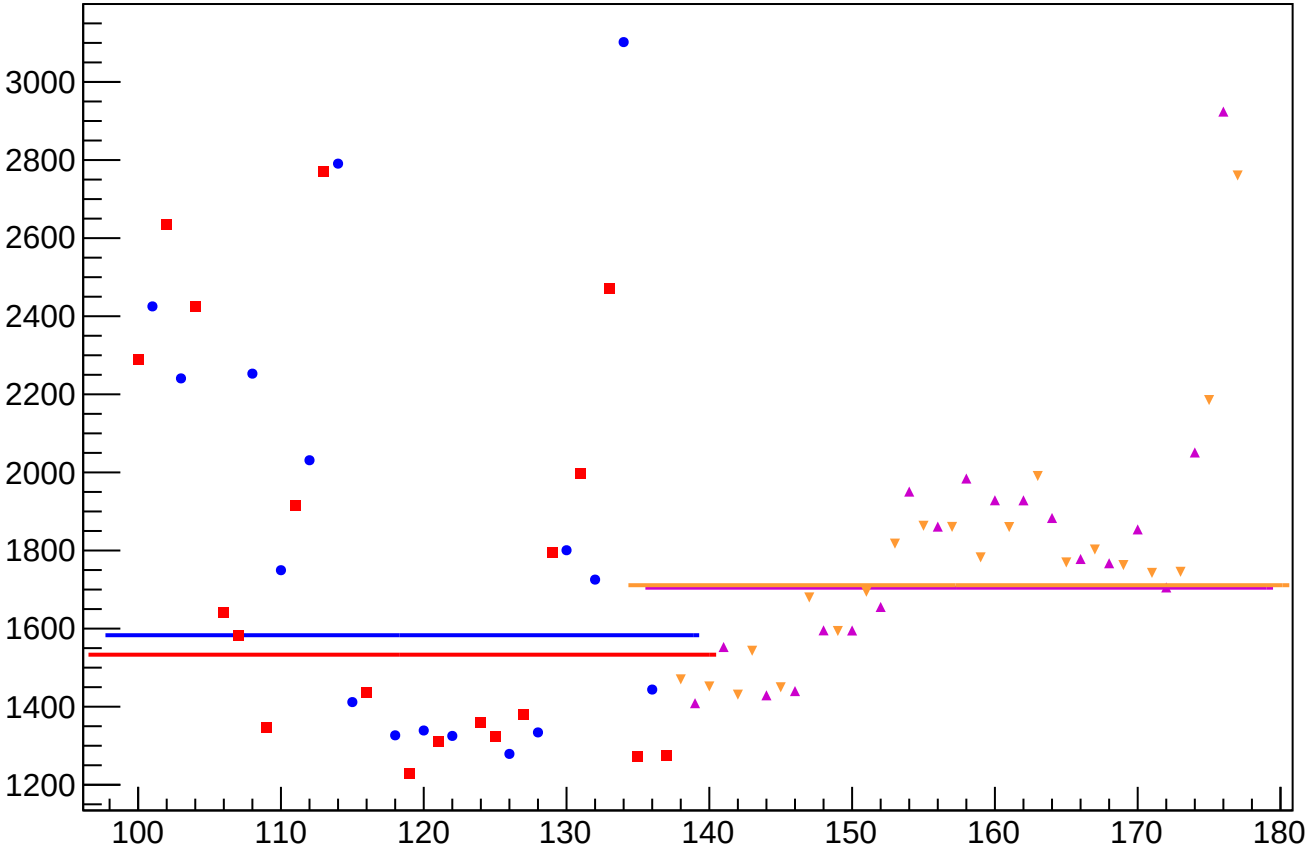
Right: 29.192+/-0.429 χ^2/NDF: 2204.2/34

In: -4.693+/-0.359 χ^2/NDF:8471.9/34

Out: -4.876+/-0.345 χ^2/NDF:3590.0/39

All: -4.788+/-0.249 χ^2/NDF: 12062.0/74

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1711.131+/-0.300 χ^2/NDF:587389.7/20

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

Left In: 1704.781+/-0.310 χ^2/NDF:644952.0/18

Left: 1708.062+/-0.216 χ^2/NDF: 1232557.9/39

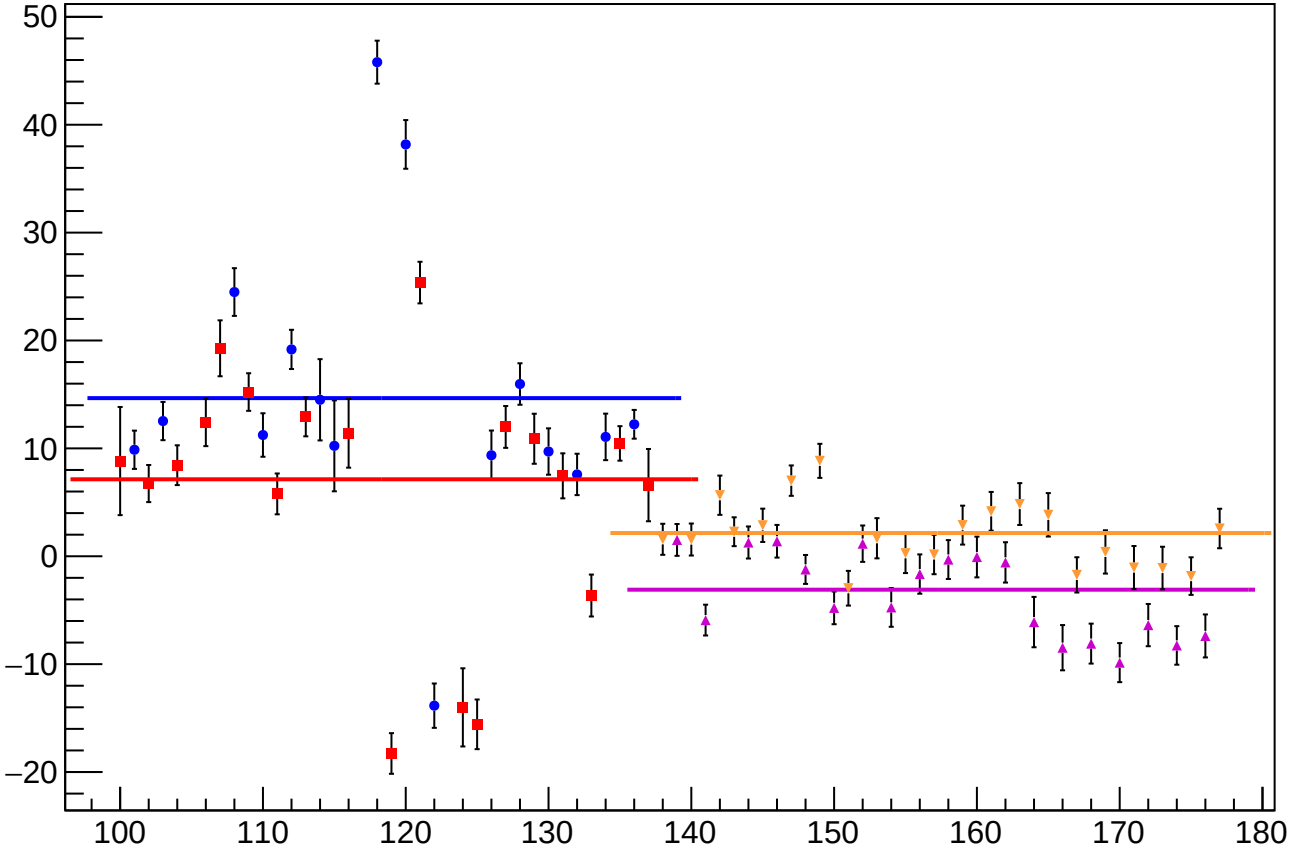
Right: 1556.913+/-0.304 χ^2/NDF: 1745178.6/34

In: 1664.328+/-0.254 χ^2/NDF:1483712.3/34

Out: 1650.825+/-0.244 χ^2/NDF:1657244.6/39

All: 1657.316+/-0.176 χ^2/NDF: 3142428.2/74

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 2.154+/-0.371 χ^2/NDF:67.5/20

Right Out: 7.135+/-0.483 χ^2/NDF: 509.4/18

Left In: -3.098+/-0.392 χ^2/NDF:94.3/18

Left: -0.323+/-0.269 χ^2/NDF: 256.6/39

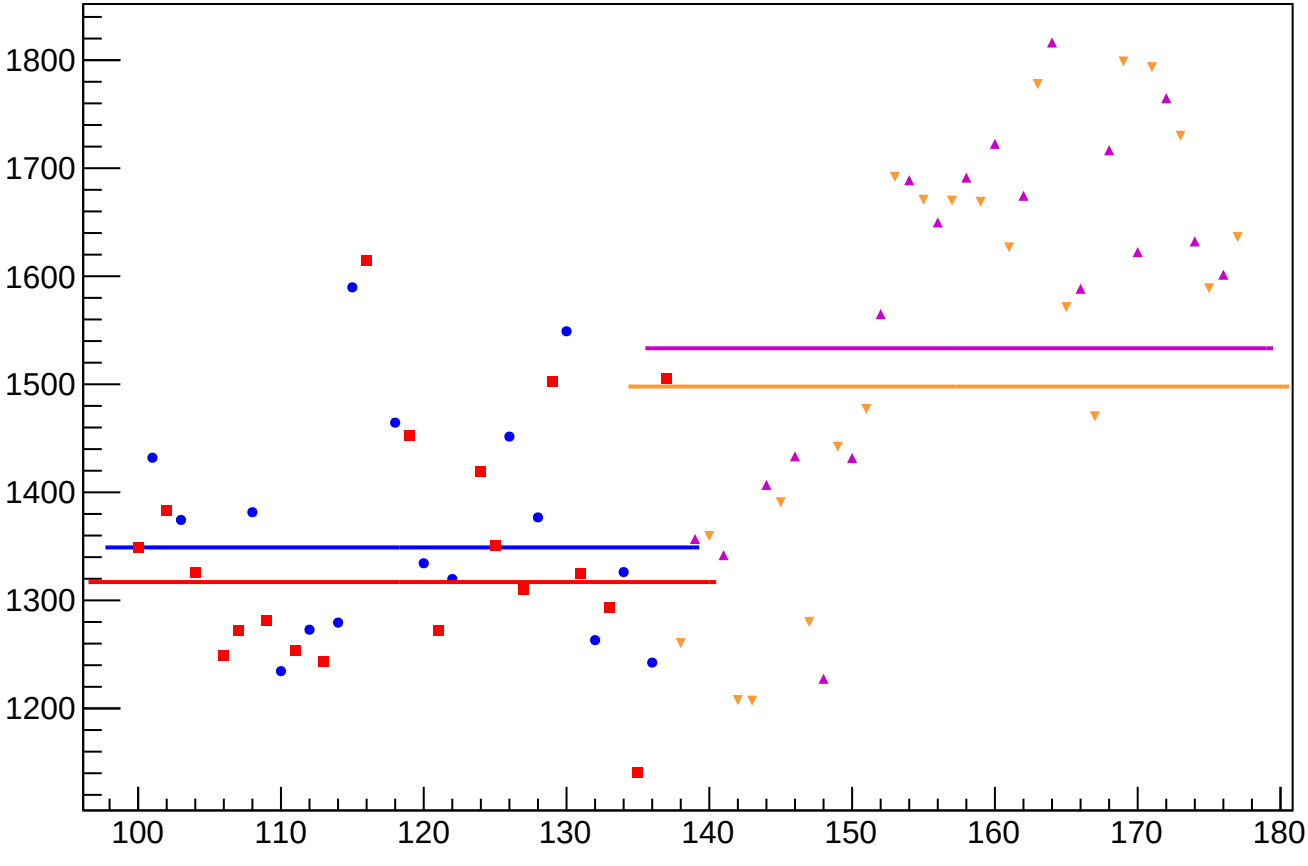
Right: 10.734+/-0.349 χ^2/NDF: 1240.2/34

In: 3.590+/-0.310 χ^2/NDF:1481.2/34

Out: 3.999+/-0.294 χ^2/NDF:643.9/39

All: 3.805+/-0.213 χ^2/NDF: 2125.9/74

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1497.898+/-0.262 χ^2/NDF:541071.6/20

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

Left In: 1533.325+/-0.277 χ^2/NDF:363236.1/18

Left: 1514.609+/-0.190 χ^2/NDF: 912928.6/39

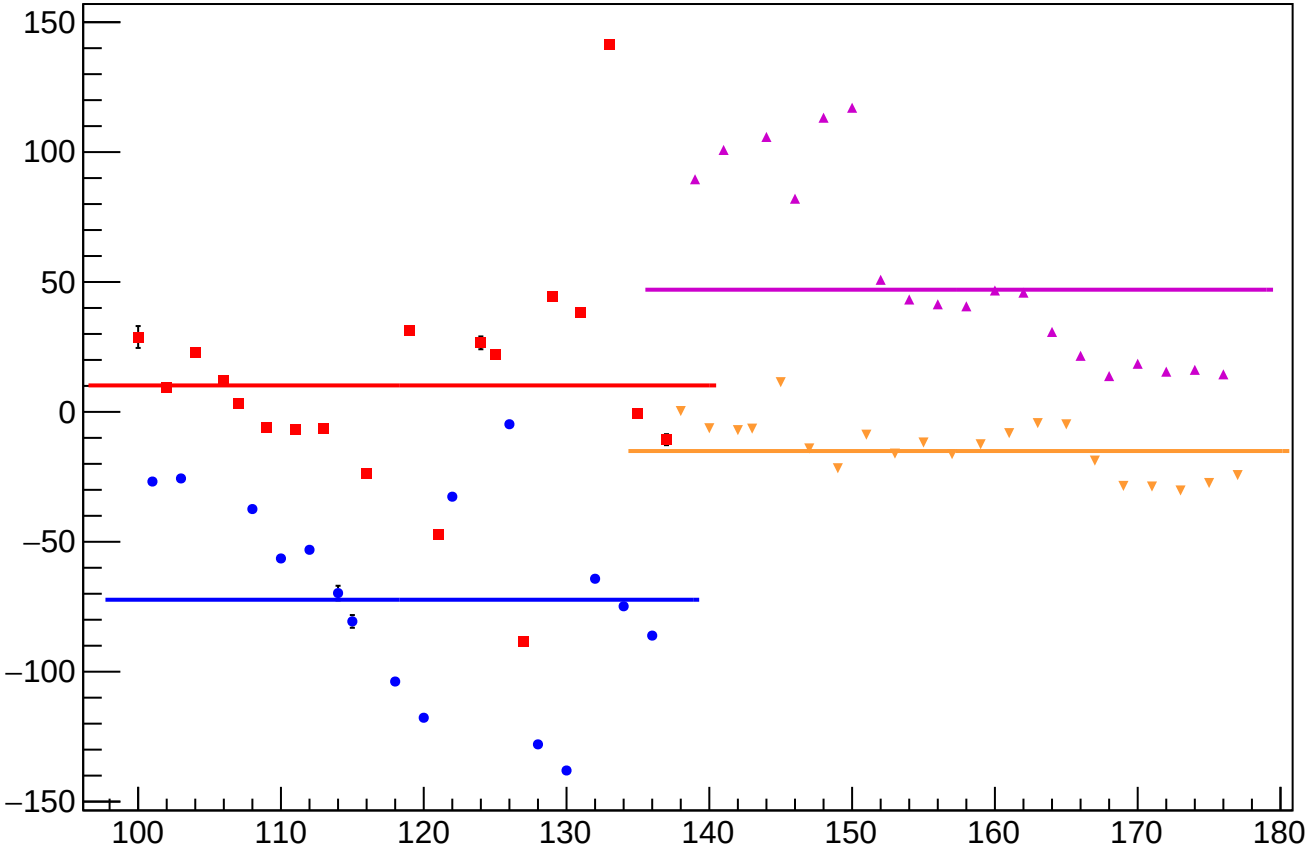
Right: 1332.289+/-0.247 χ^2/NDF: 159464.7/34

In: 1463.890+/-0.219 χ^2/NDF:598029.5/34

Out: 1430.881+/-0.208 χ^2/NDF:804525.7/39

All: 1446.534+/-0.151 χ^2/NDF: 1414505.8/74

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -15.067+/-0.199 χ^2/NDF:2781.1/20

Right Out: 10.188+/-0.345 χ^2/NDF: 19045.9/18

Left In: 47.032+/-0.209 χ^2/NDF:25149.0/18

Left: 14.521+/-0.144 χ^2/NDF: 74275.4/39

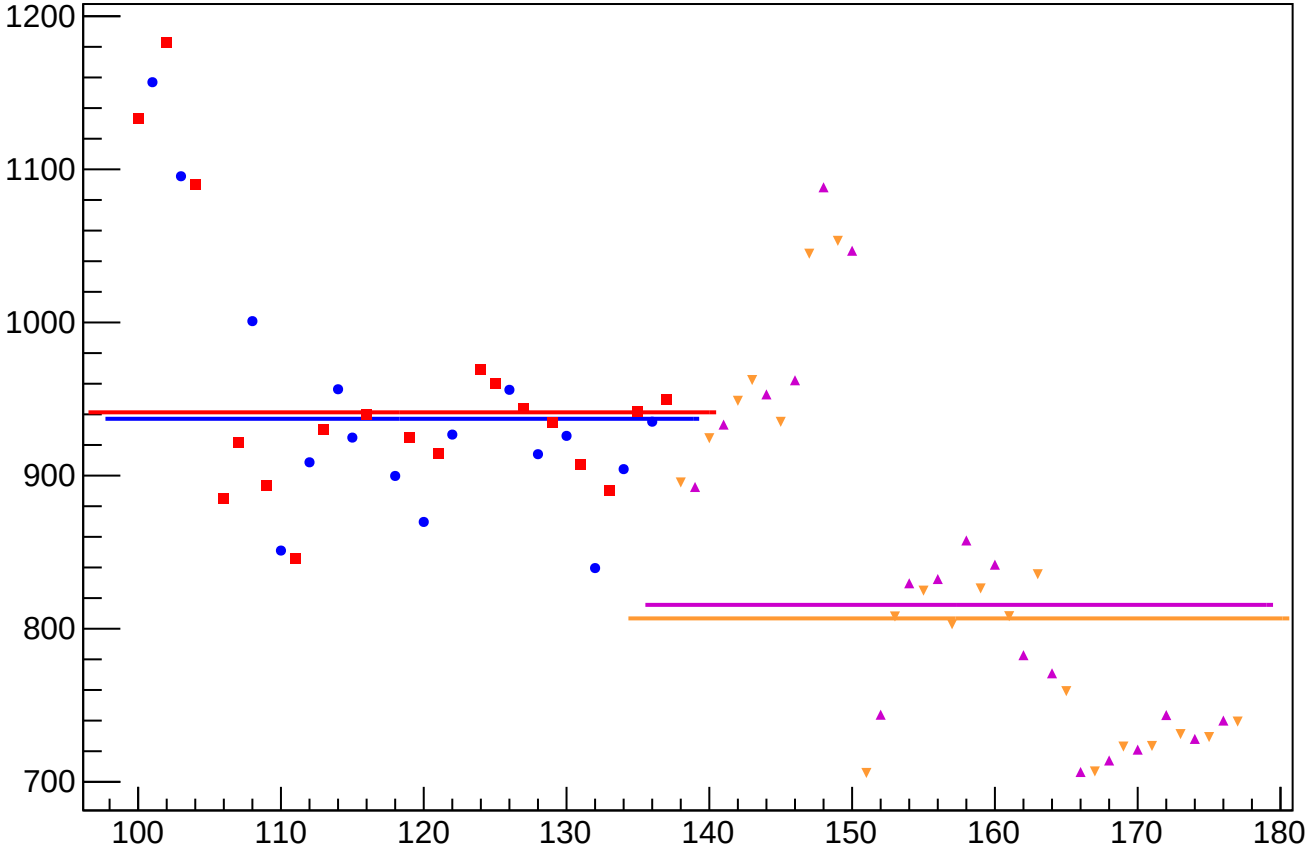
Right: -30.473+/-0.245 χ^2/NDF: 59456.9/34

In: 15.655+/-0.179 χ^2/NDF:123258.1/34

Out: -8.744+/-0.172 χ^2/NDF:25855.1/39

All: 2.984+/-0.124 χ^2/NDF: 158741.7/74

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 806.738+/-0.141 χ^2/NDF:480867.8/20

Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

Left In: 815.581+/-0.148 χ^2/NDF:486767.8/18

Left: 810.952+/-0.102 χ^2/NDF: 969515.1/39

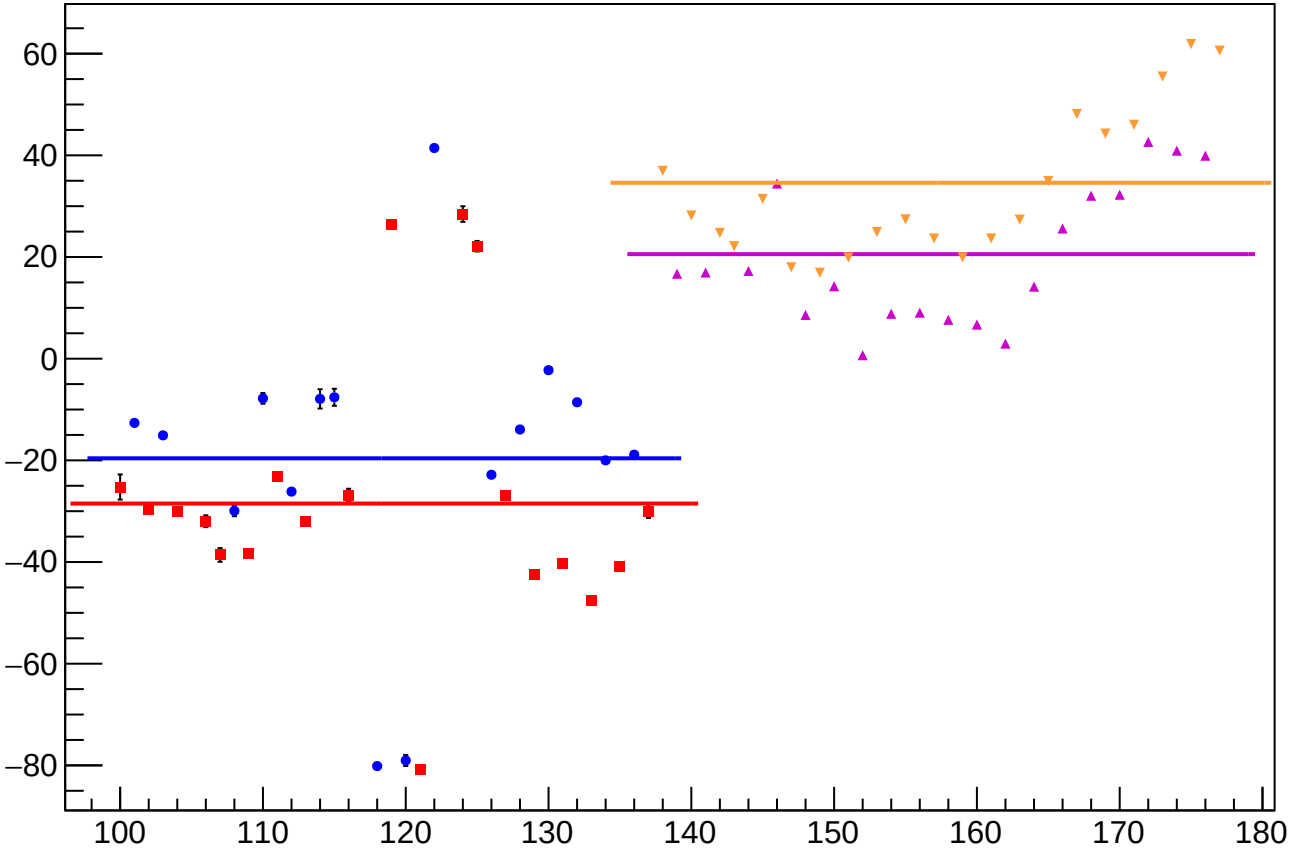
Right: 939.240+/-0.173 χ^2/NDF: 205839.9/34

In: 847.531+/-0.127 χ^2/NDF:769675.4/34

Out: 840.435+/-0.122 χ^2/NDF:810666.5/39

All: 843.846+/-0.088 χ^2/NDF: 1581971.0/74

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 34.604+/-0.157 χ^2/NDF:8366.6/20

Right Out: -28.496+/-0.230 χ^2/NDF: 12971.2/18

Left In: 20.571+/-0.165 χ^2/NDF:6781.2/18

Left: 27.928+/-0.114 χ^2/NDF: 18931.7/39

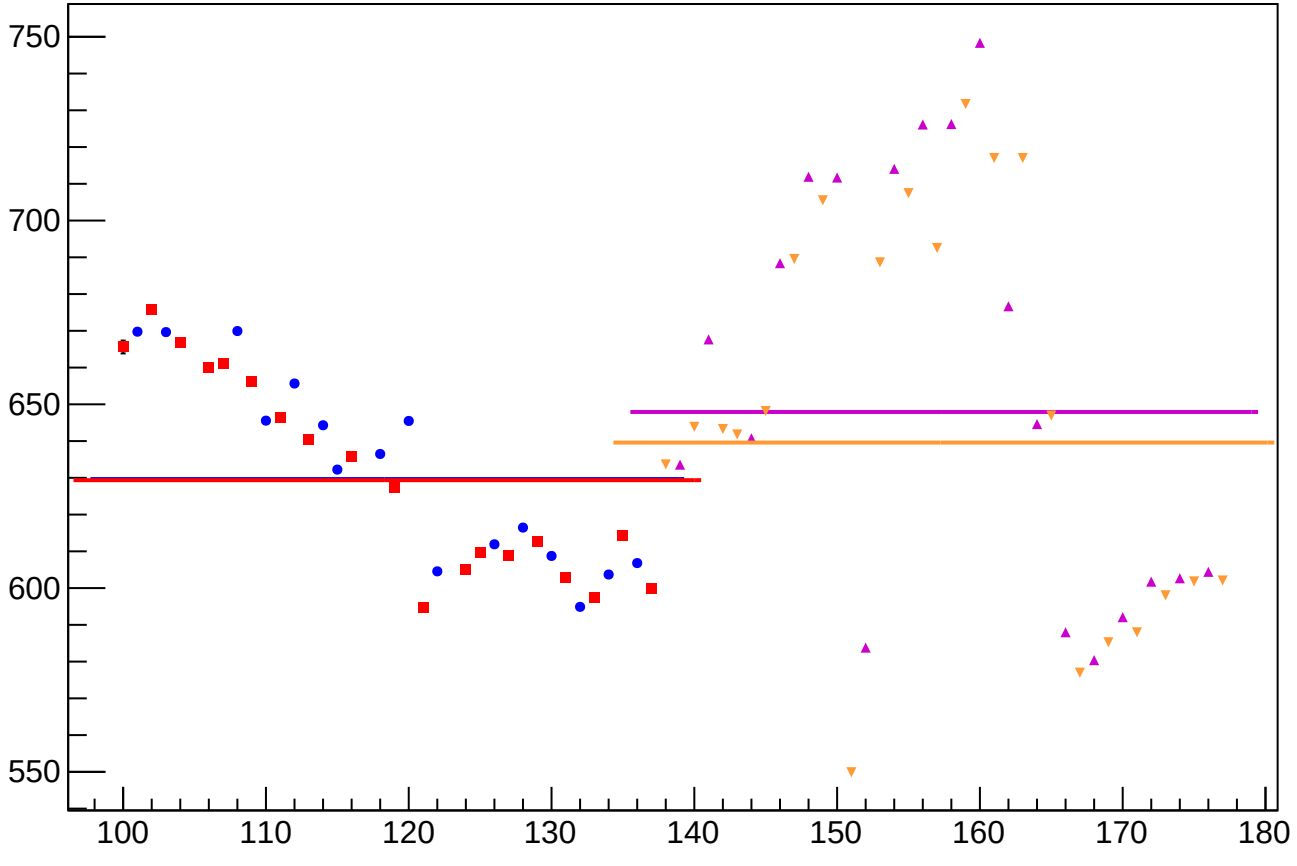
Right: -24.130+/-0.164 χ^2/NDF: 26877.8/34

In: 7.216+/-0.135 χ^2/NDF:39611.1/34

Out: 14.449+/-0.130 χ^2/NDF:72708.3/39

All: 10.973+/-0.094 χ^2/NDF: 113811.7/74

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 639.597+/-0.111 χ^2/NDF:233680.9/20

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

Left In: 647.922+/-0.117 χ^2/NDF:220322.1/18

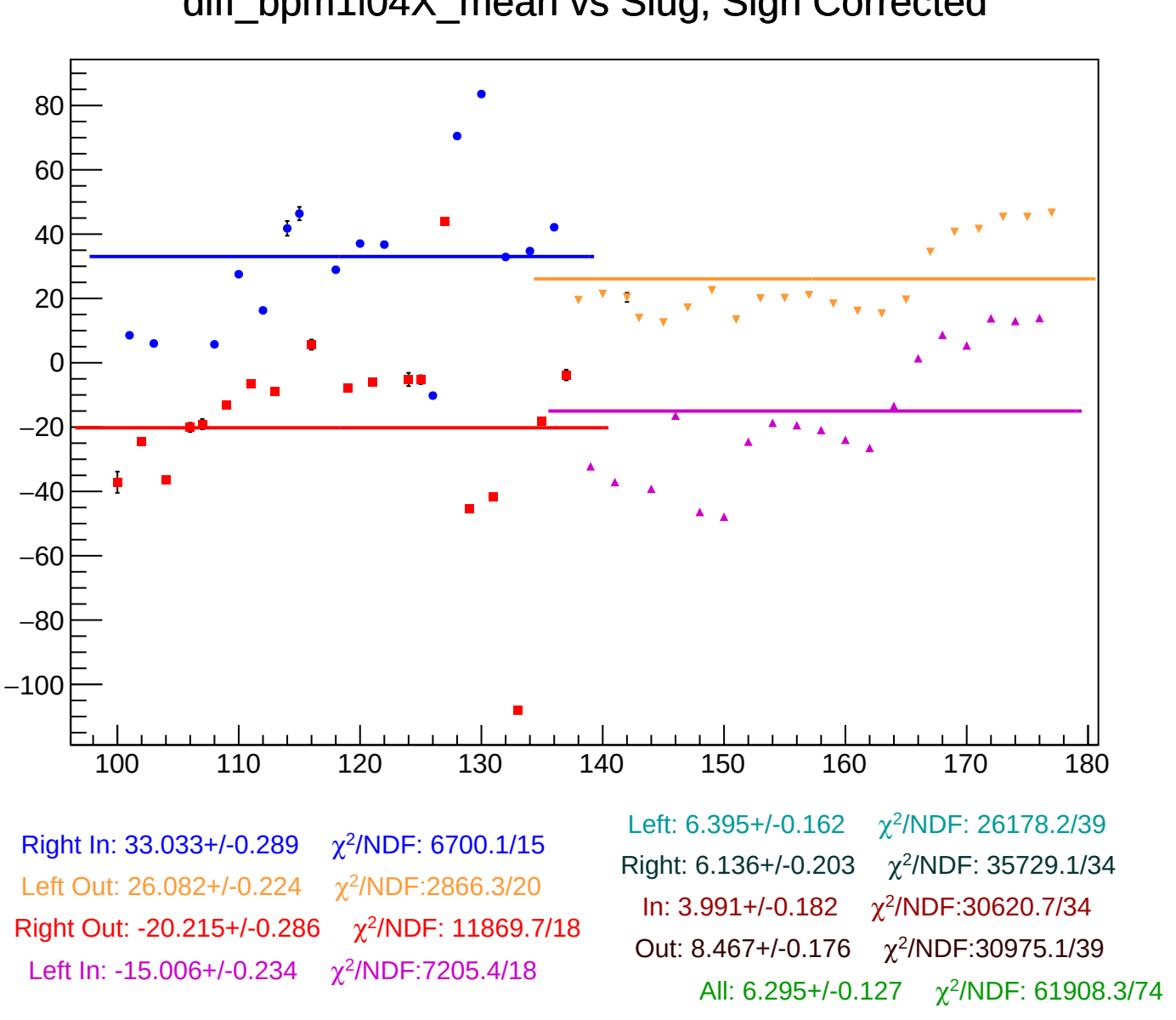
Left: 643.557+/-0.081 χ^2/NDF: 456666.3/39

Right: 629.508+/-0.116 χ^2/NDF: 52108.4/34

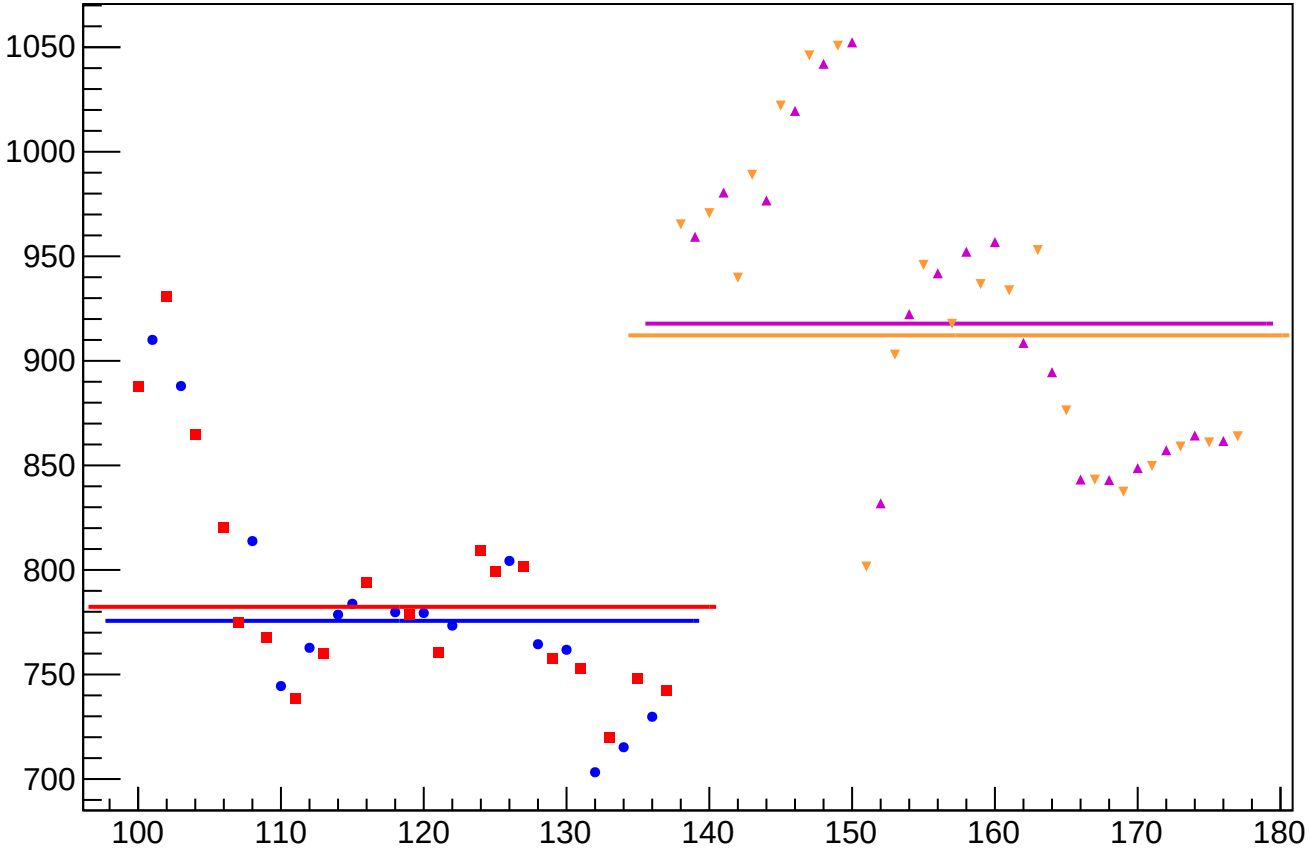
In: 641.850+/-0.095 χ^2/NDF:253765.2/34

Out: 636.328+/-0.092 χ^2/NDF:263175.9/39

All: 638.982+/-0.066 χ^2/NDF: 518680.7/74


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: 26.082+/-0.224 χ²/NDF:2866.3/20
Right Out: -20.215+/-0.286 χ²/NDF: 11869.7/18
Left In: -15.006+/-0.234 χ²/NDF:7205.4/18
Left: 6.395+/-0.162 χ²/NDF: 26178.2/39
Right: 6.136+/-0.203 χ²/NDF: 35729.1/34
In: 3.991+/-0.182 χ²/NDF:30620.7/34
Out: 8.467+/-0.176 χ²/NDF:30975.1/39
All: 6.295+/-0.127 χ²/NDF: 61908.3/74

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 912.205+/-0.158 χ^2/NDF:187393.9/20

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

Left In: 917.816+/-0.165 χ^2/NDF:167058.0/18

Left: 914.893+/-0.114 χ^2/NDF: 355052.5/39

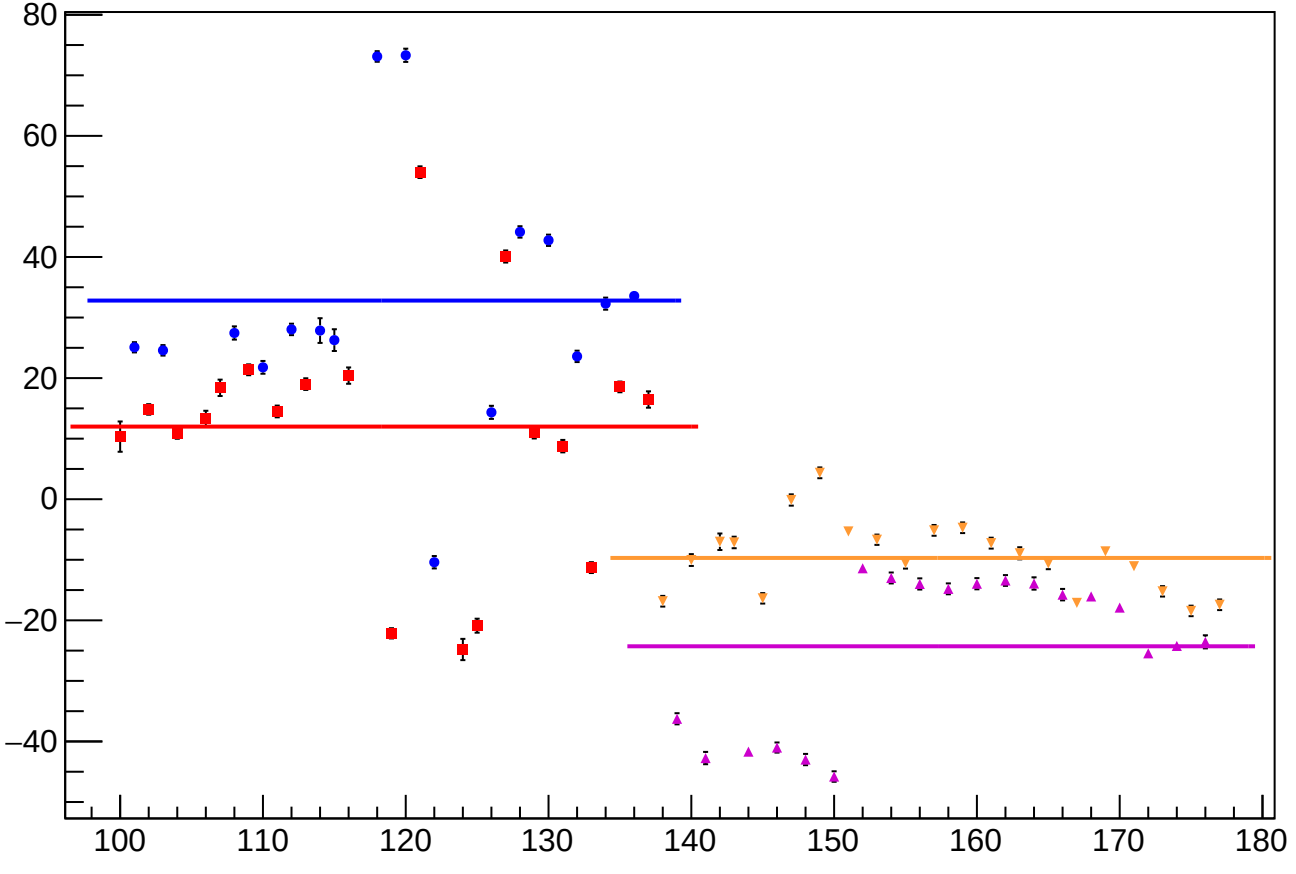
Right: 779.045+/-0.144 χ^2/NDF: 139768.7/34

In: 861.604+/-0.128 χ^2/NDF:534443.1/34

Out: 862.800+/-0.125 χ^2/NDF:507431.2/39

All: 862.220+/-0.089 χ^2/NDF: 1041918.9/74

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -9.696+/-0.192 χ^2/NDF:924.8/20

Right Out: 11.994+/-0.241 χ^2/NDF: 6559.7/18

Left In: -24.286+/-0.200 χ^2/NDF:3742.0/18

Left: -16.675+/-0.139 χ^2/NDF: 7430.7/39

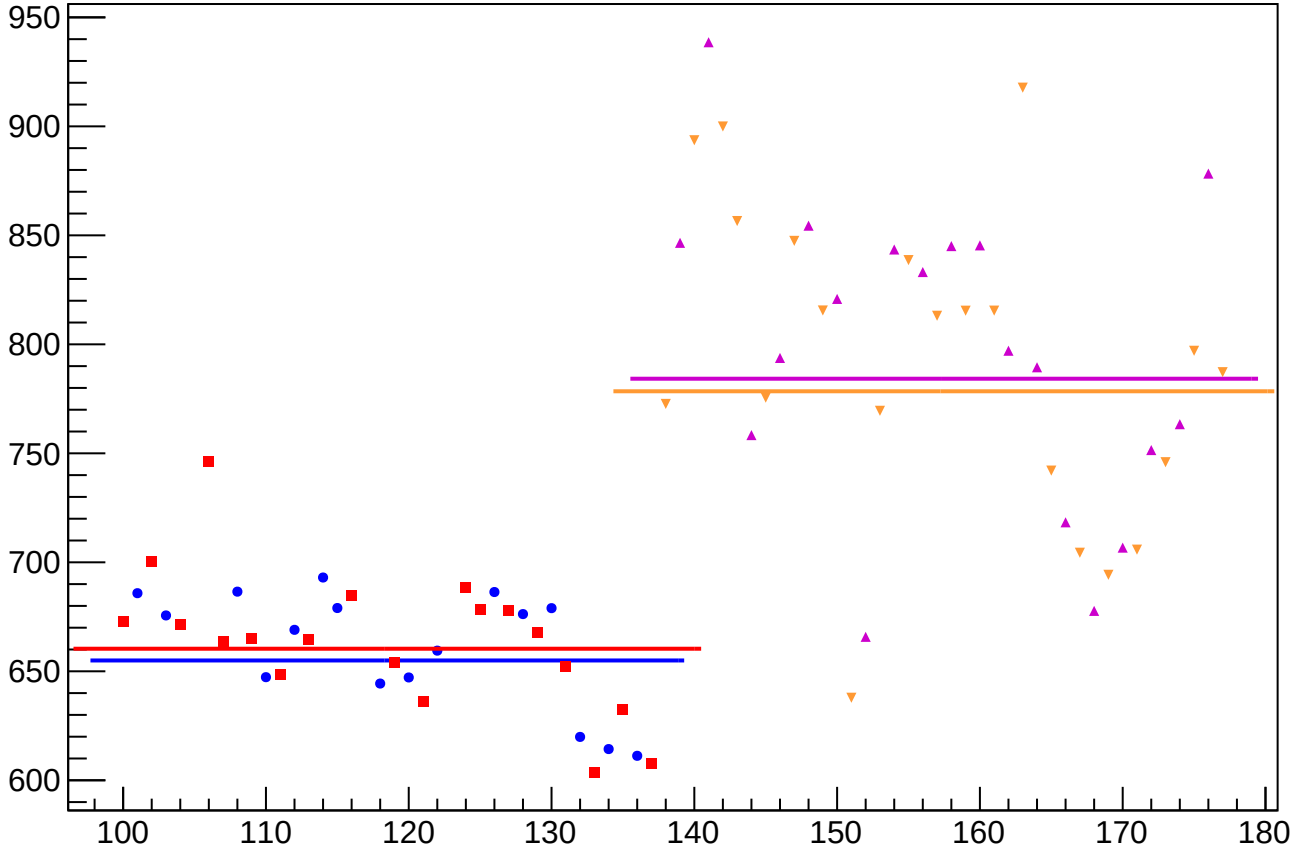
Right: 22.296+/-0.171 χ^2/NDF: 16506.5/34

In: -1.228+/-0.155 χ^2/NDF:42764.3/34

Out: -1.283+/-0.150 χ^2/NDF:12437.5/39

All: -1.257+/-0.108 χ^2/NDF: 55201.9/74

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 778.462+/-0.136 χ^2/NDF:276890.5/20

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

Left In: 784.224+/-0.142 χ^2/NDF:249903.2/18

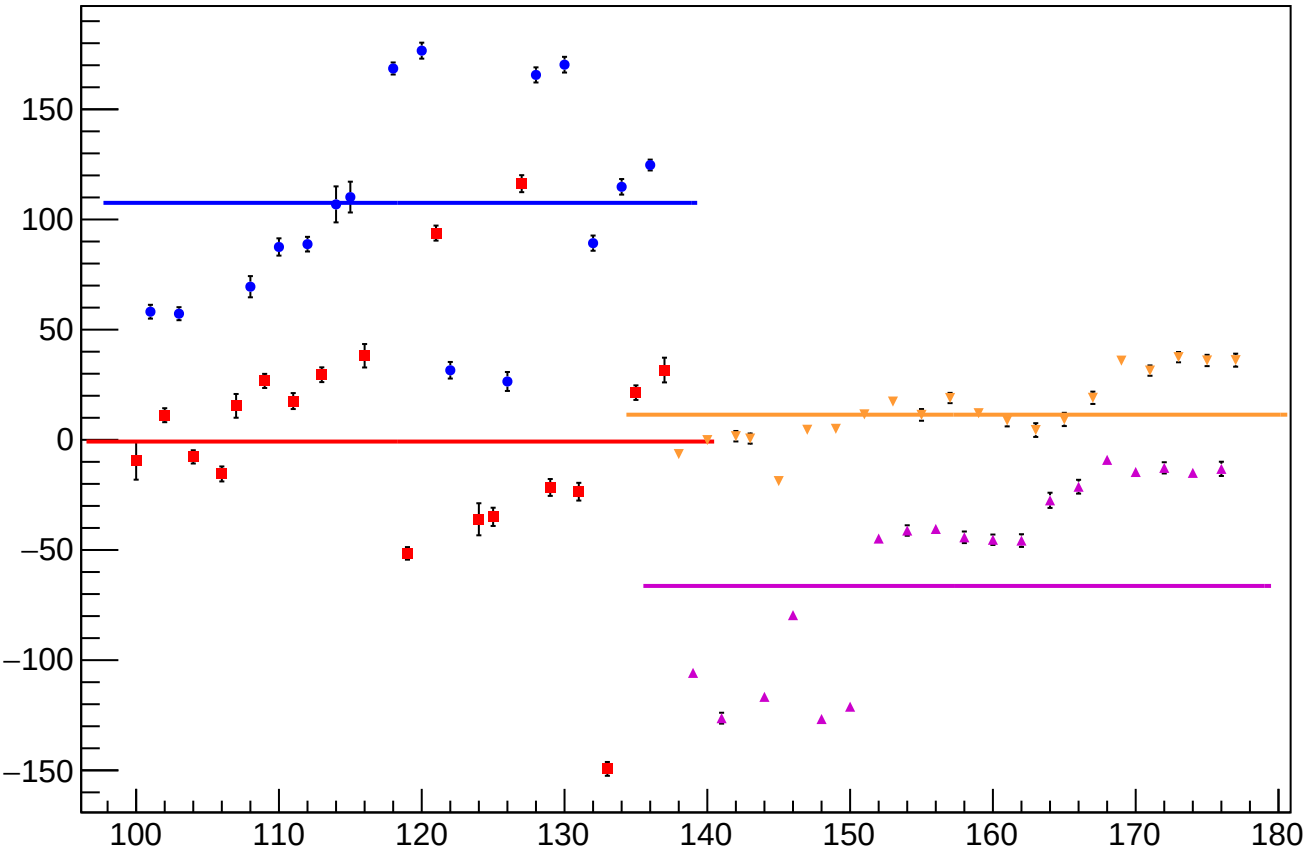
Left: 781.219+/-0.098 χ^2/NDF: 527655.9/39

Right: 657.689+/-0.121 χ^2/NDF: 57655.9/34

In: 732.021+/-0.109 χ^2/NDF:612534.0/34

Out: 732.653+/-0.106 χ^2/NDF:601036.0/39

All: 732.346+/-0.076 χ^2/NDF: 1213587.1/74



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: 11.407+/-0.497 χ^2/NDF:902.4/20

Right Out: -0.788+/-0.861 χ^2/NDF: 4763.9/18

Left In: -66.311+/-0.509 χ^2/NDF:7348.3/18

Left: -26.500+/-0.356 χ^2/NDF: 20172.6/39

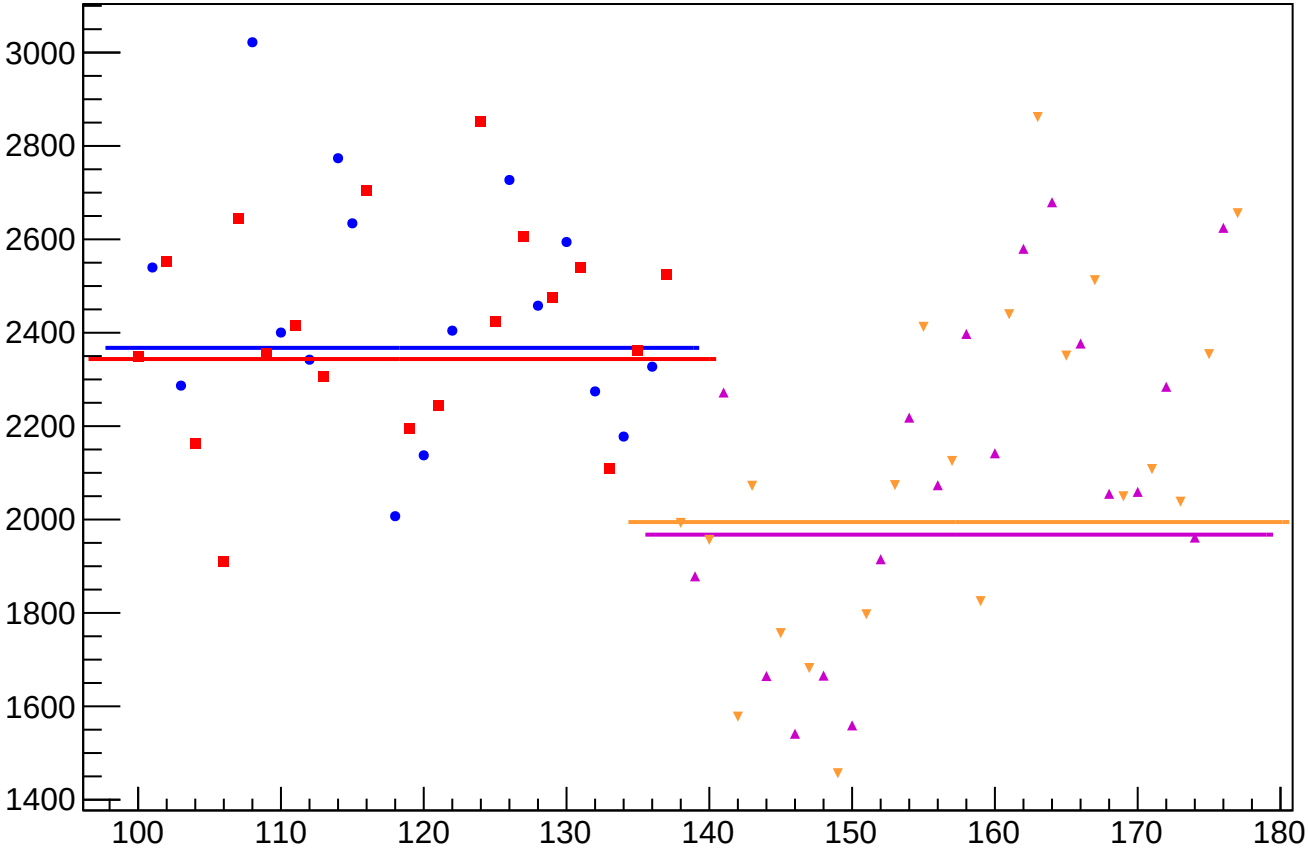
Right: 51.859+/-0.617 χ^2/NDF: 15416.7/34

In: -23.064+/-0.442 χ^2/NDF:39275.2/34

Out: 8.357+/-0.430 χ^2/NDF:5816.8/39

All: -6.955+/-0.308 χ^2/NDF: 47688.3/74

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1994.588+/-0.352 χ^2/NDF:920477.0/20

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

Left In: 1967.652+/-0.360 χ^2/NDF:827515.6/18

Left: 1981.450+/-0.252 χ^2/NDF: 1750856.8/39

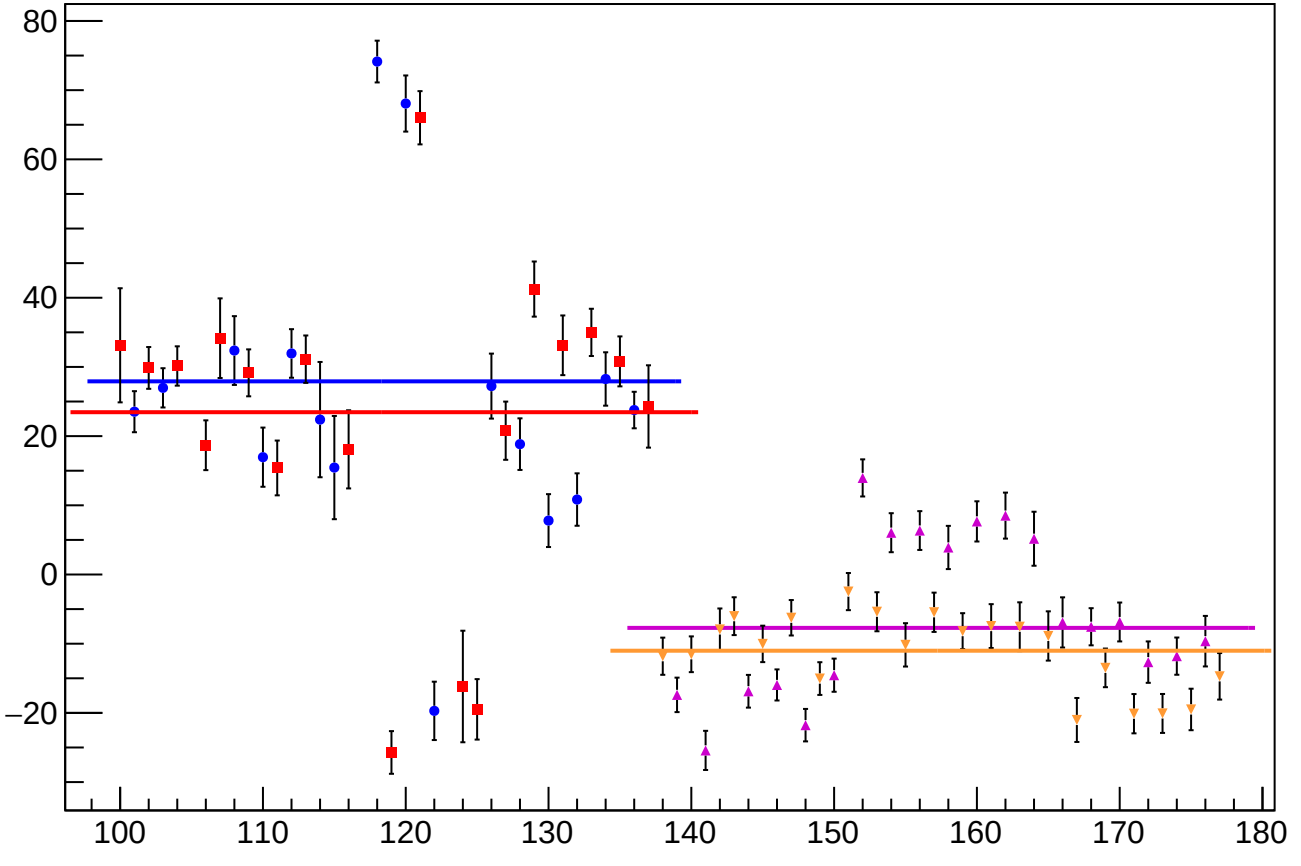
Right: 2355.333+/-0.436 χ^2/NDF: 239789.5/34

In: 2067.146+/-0.312 χ^2/NDF:1260954.4/34

Out: 2081.895+/-0.304 χ^2/NDF:1279445.4/39

All: 2074.708+/-0.218 χ^2/NDF: 2541543.9/74

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -11.014+/-0.622 χ^2/NDF:73.4/20

Right Out: 23.457+/-0.903 χ^2/NDF: 567.9/18

Left In: -7.714+/-0.638 χ^2/NDF:323.2/18

Left: -9.406+/-0.446 χ^2/NDF: 410.2/39

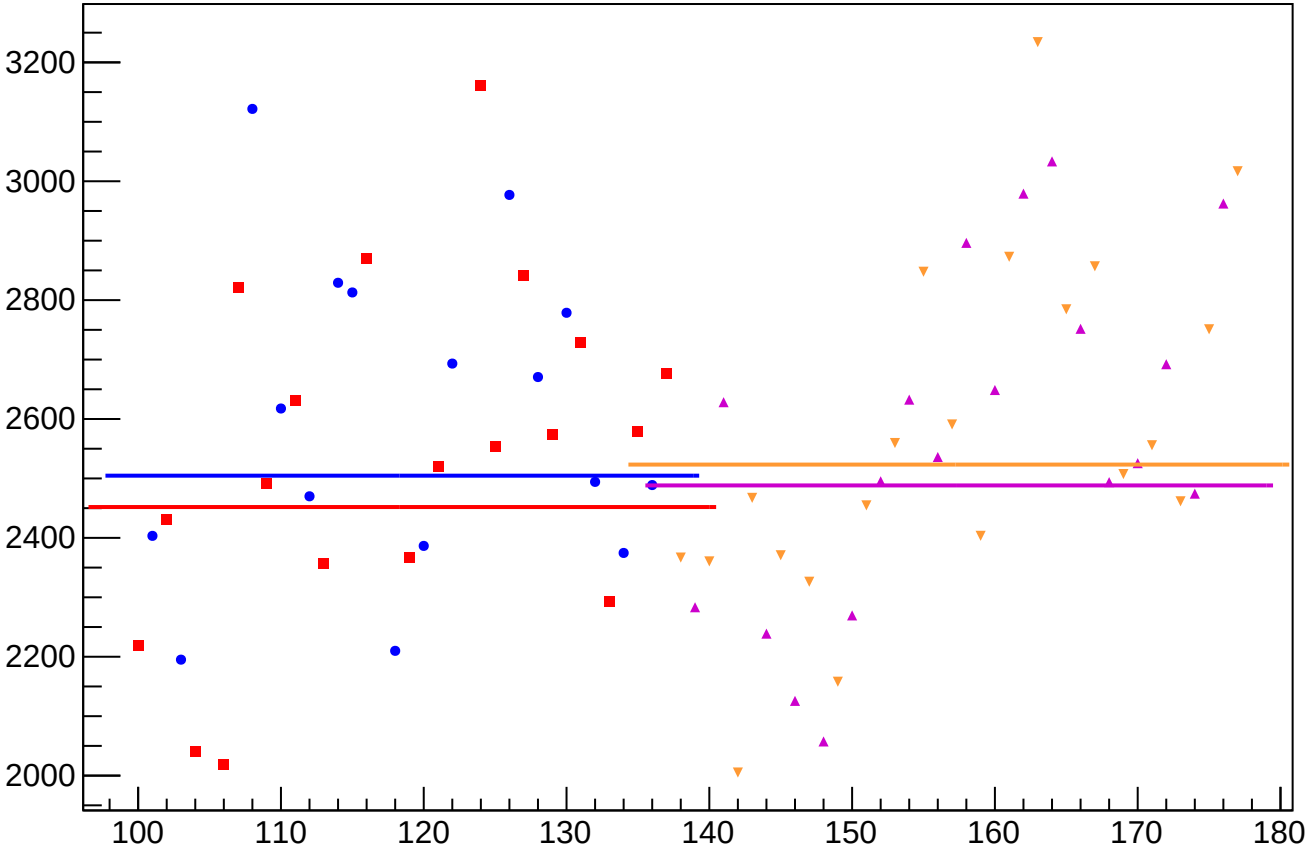
Right: 25.604+/-0.650 χ^2/NDF: 1110.3/34

In: 3.584+/-0.527 χ^2/NDF:1841.8/34

Out: 0.094+/-0.512 χ^2/NDF:1629.8/39

All: 1.788+/-0.368 χ^2/NDF: 3494.1/74

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2523.312+/-0.440 χ^2/NDF:363057.8/20

Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2488.237+/-0.451 χ^2/NDF:359566.6/18

Left: 2506.218+/-0.315 χ^2/NDF: 725720.0/39

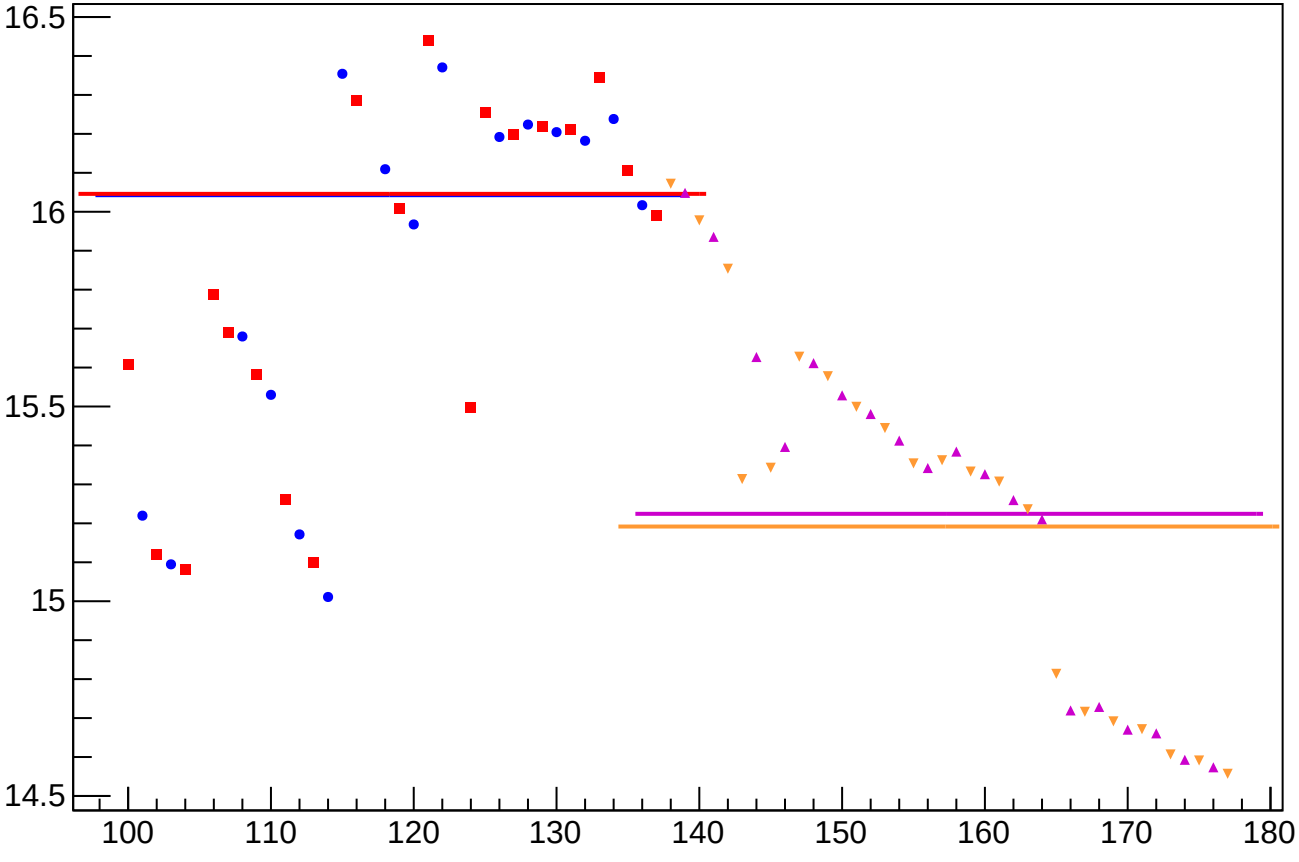
Right: 2477.287+/-0.460 χ^2/NDF: 283127.8/34

In: 2493.443+/-0.373 χ^2/NDF:486585.1/34

Out: 2500.294+/-0.362 χ^2/NDF:524784.4/39

All: 2496.968+/-0.260 χ^2/NDF: 1011543.1/74

yield_sam1_mean vs Slug, Sign Corrected



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.192+/-0.000 χ^2/NDF:31572656051.6/20

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

Left In: 15.224+/-0.000 χ^2/NDF:27012657865.6/18

Left: 15.207+/-0.000 χ^2/NDF: 58657042058.2/39

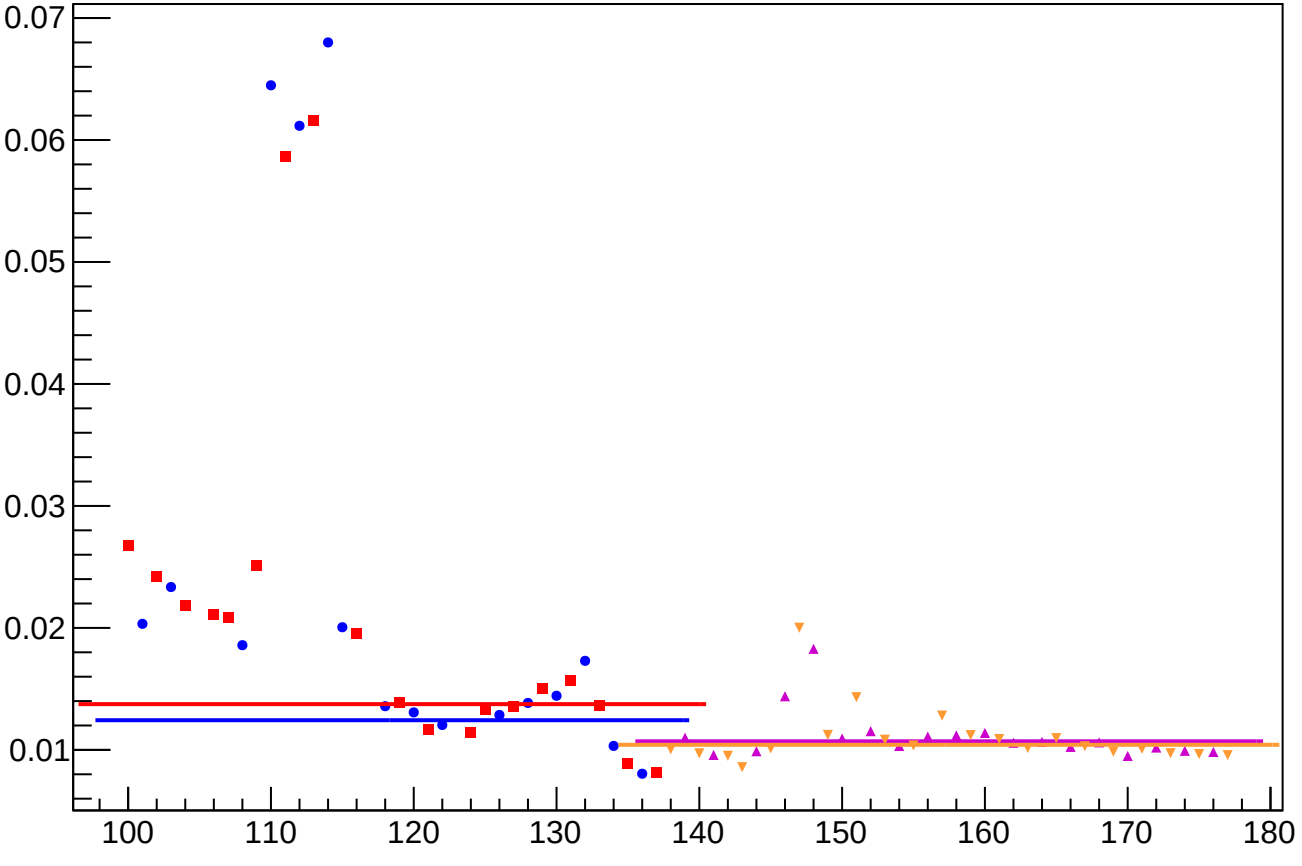
Right: 16.044+/-0.000 χ^2/NDF: 6392885915.7/34

In: 15.404+/-0.000 χ^2/NDF:48470208565.0/34

Out: 15.340+/-0.000 χ^2/NDF:53270915219.9/39

All: 15.371+/-0.000 χ^2/NDF: 102082944412.

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:688498.9/20

Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.011+/-0.000 χ^2/NDF:487469.3/18

Left: 0.011+/-0.000 χ^2/NDF: 1186916.6/39

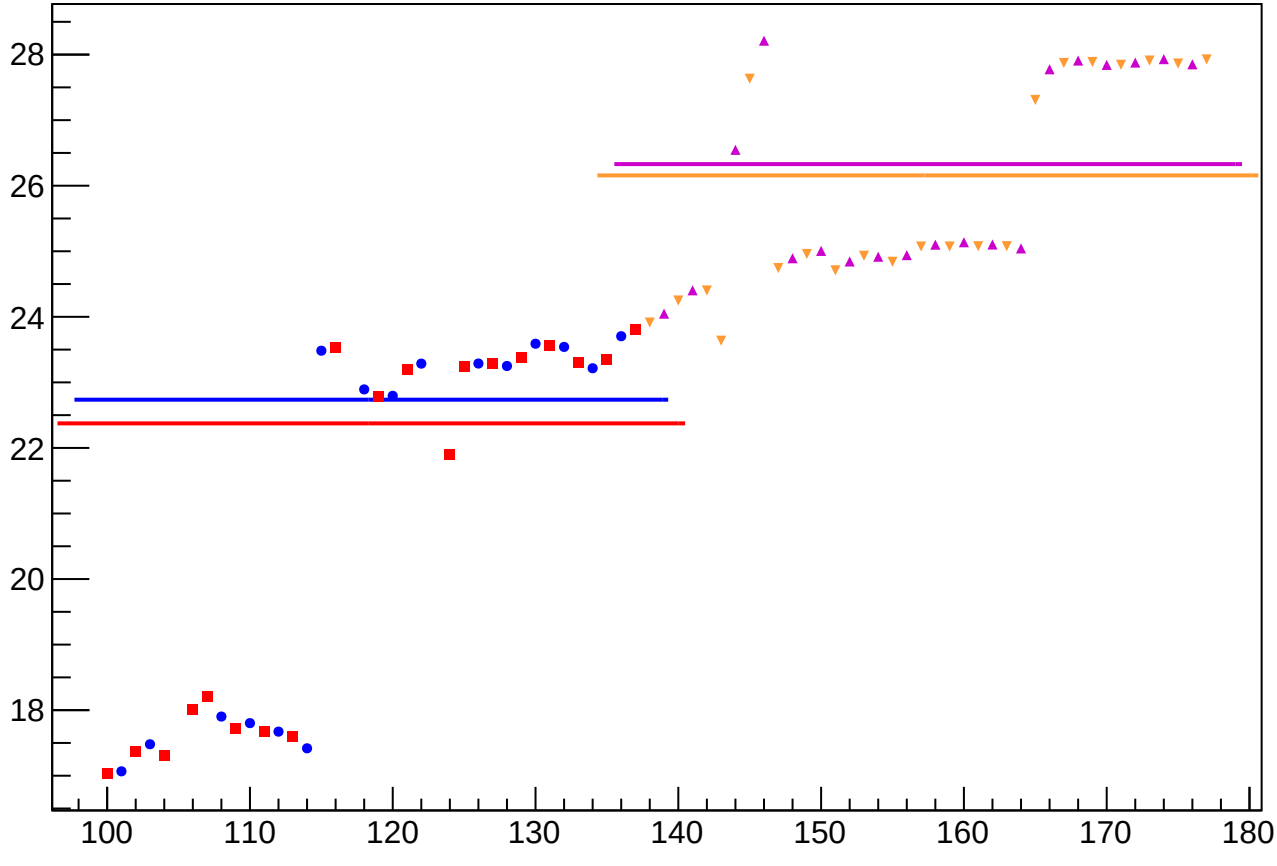
Right: 0.013+/-0.000 χ^2/NDF: 4604105.9/34

In: 0.011+/-0.000 χ^2/NDF:2970569.3/34

Out: 0.011+/-0.000 χ^2/NDF:3471287.2/39

All: 0.011+/-0.000 χ^2/NDF: 6443107.8/74

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 26.157+/-0.000 χ^2/NDF:3159548138.8/20

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

Left In: 26.329+/-0.000 χ^2/NDF:2317072759.4/18

Left: 26.239+/-0.000 χ^2/NDF: 5493452075.3/39

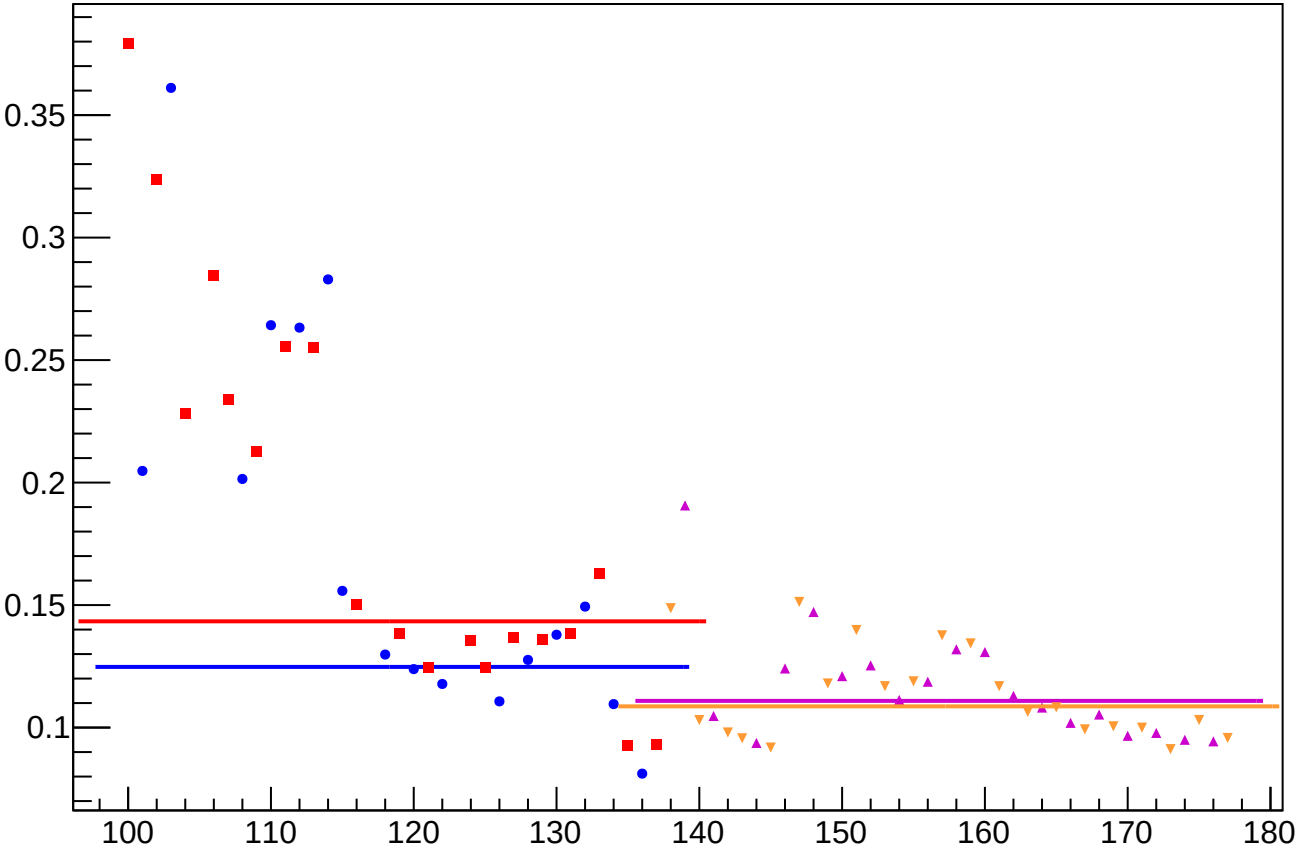
Right: 22.574+/-0.000 χ^2/NDF: 2456494994.8/34

In: 25.461+/-0.000 χ^2/NDF:6902378700.2/34

Out: 25.445+/-0.000 χ^2/NDF:7621752933.7/39

All: 25.453+/-0.000 χ^2/NDF: 14524326285.7

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.109+/-0.000 χ^2/NDF:643706.9/20

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

Left In: 0.111+/-0.000 χ^2/NDF:714963.7/18

Left: 0.110+/-0.000 χ^2/NDF: 1364383.3/39

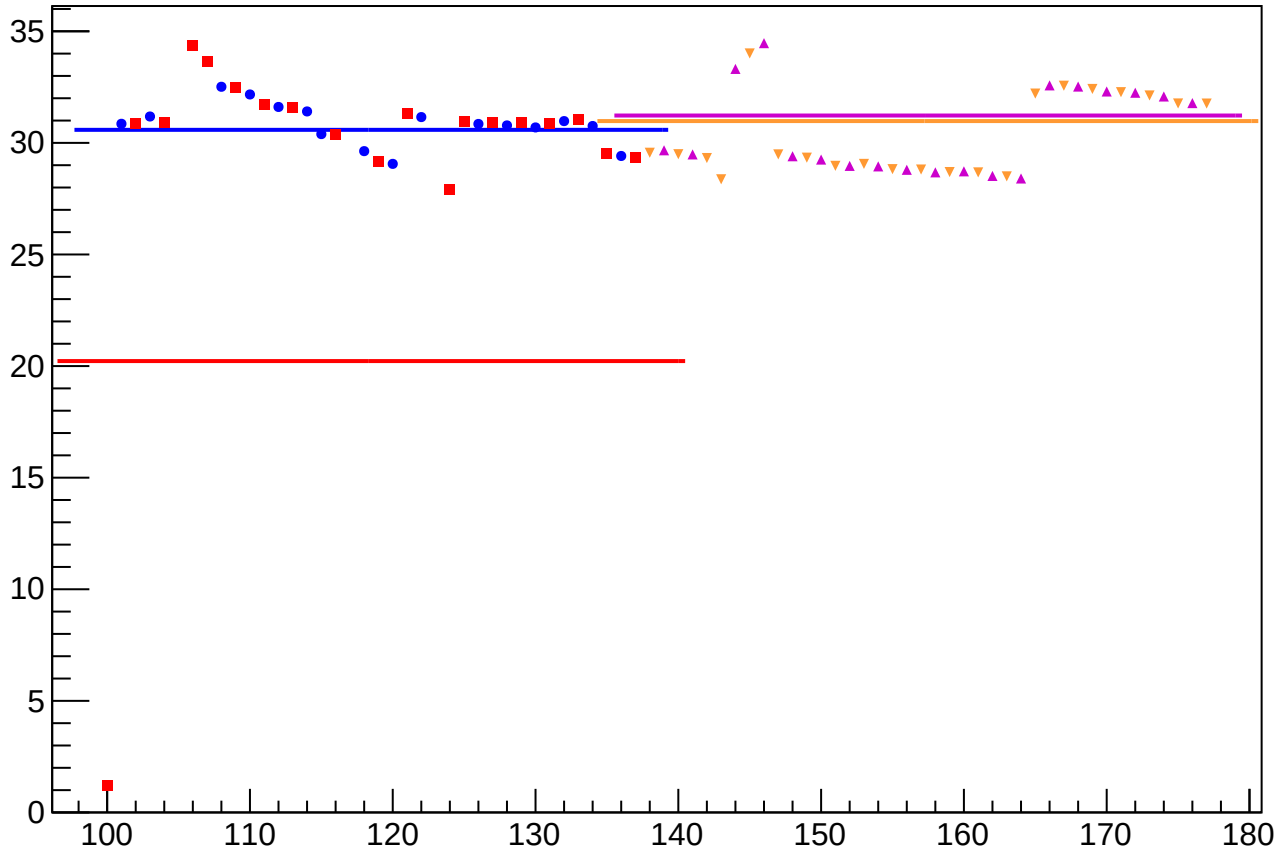
Right: 0.133+/-0.000 χ^2/NDF: 3426627.7/34

In: 0.114+/-0.000 χ^2/NDF:2564960.3/34

Out: 0.115+/-0.000 χ^2/NDF:2760523.2/39

All: 0.115+/-0.000 χ^2/NDF: 5326787.4/74

yield_sam3_mean vs Slug, Sign Corrected



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 30.977+/-0.000 χ^2/NDF:11786637181.5/20

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

Left In: 31.226+/-0.000 χ^2/NDF:12556528921.7/18

Left: 31.099+/-0.000 χ^2/NDF: 24452908135.0/39

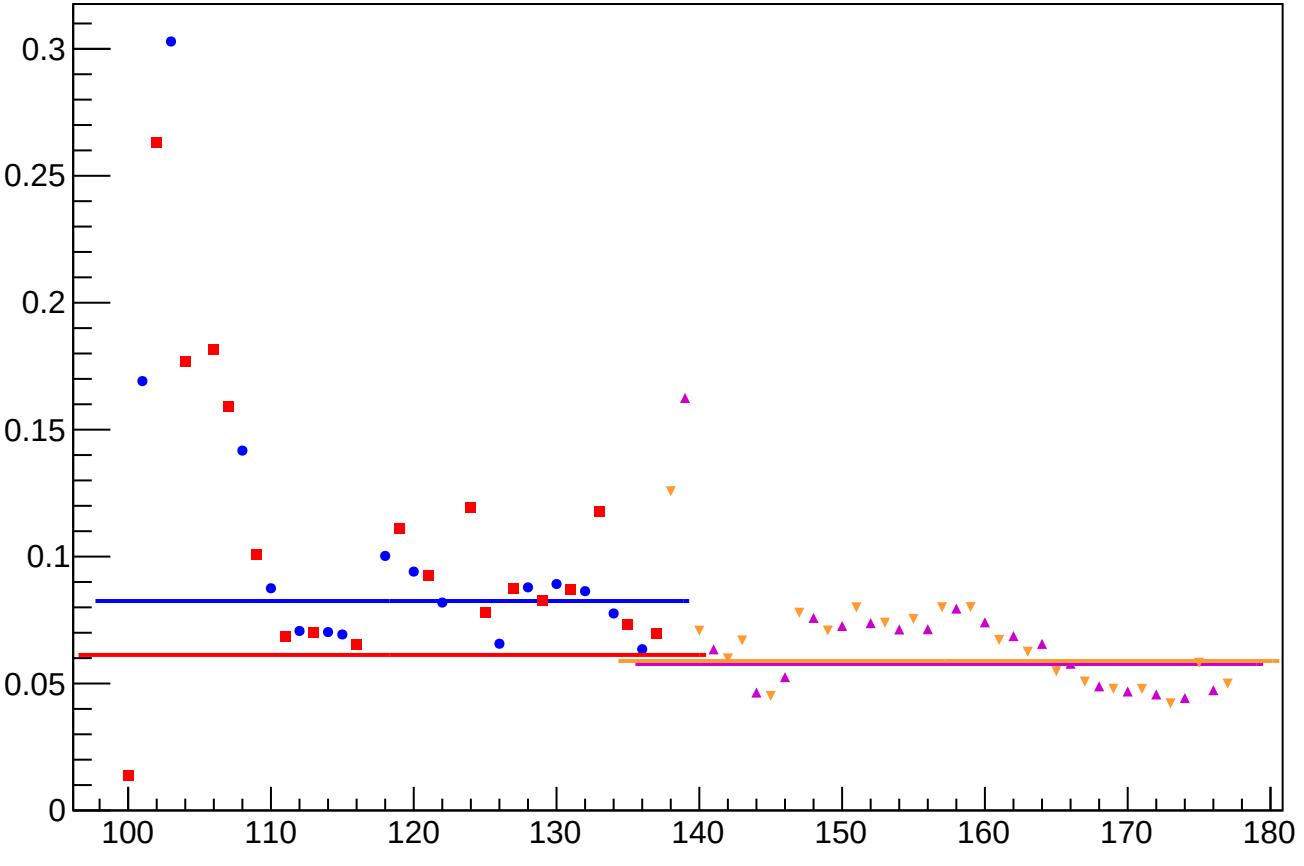
Right: 24.530+/-0.000 χ^2/NDF: 270460315915.7/34

In: 31.109+/-0.000 χ^2/NDF:13469178054.3/34

Out: 28.495+/-0.000 χ^2/NDF:329822099554.3/39

All: 29.734+/-0.000 χ^2/NDF: 358559382448.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.059+/-0.000 χ^2/NDF:1496137.8/20

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

Left In: 0.058+/-0.000 χ^2/NDF:1695035.0/18

Left: 0.058+/-0.000 χ^2/NDF: 3196001.9/39

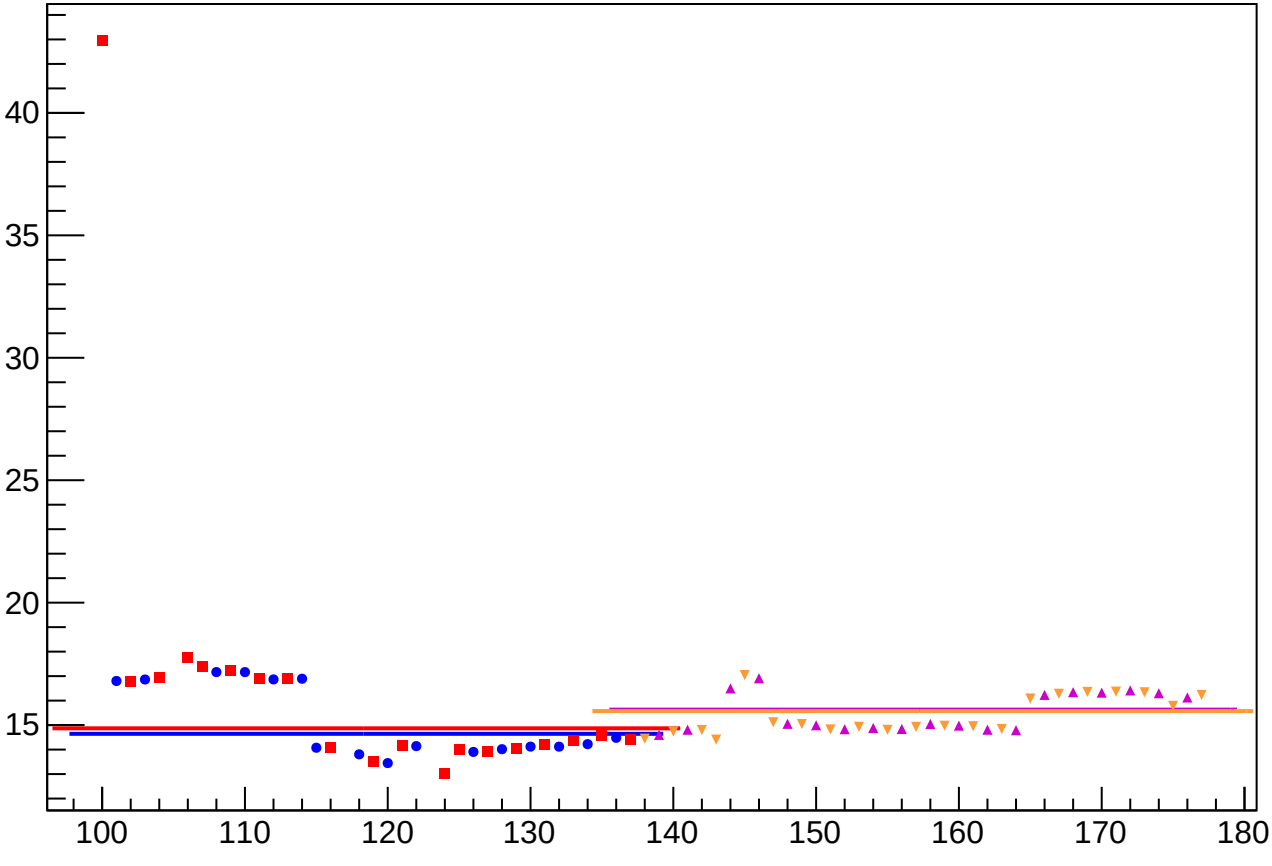
Right: 0.070+/-0.000 χ^2/NDF: 5683622.8/34

In: 0.062+/-0.000 χ^2/NDF:3734878.7/34

Out: 0.059+/-0.000 χ^2/NDF:5520066.1/39

All: 0.061+/-0.000 χ^2/NDF: 9289964.8/74

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.571+/-0.000 χ^2/NDF:2141950663.9/20

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

Left In: 15.632+/-0.000 χ^2/NDF:1830187094.0/18

Left: 15.600+/-0.000 χ^2/NDF: 3978188829.4/39

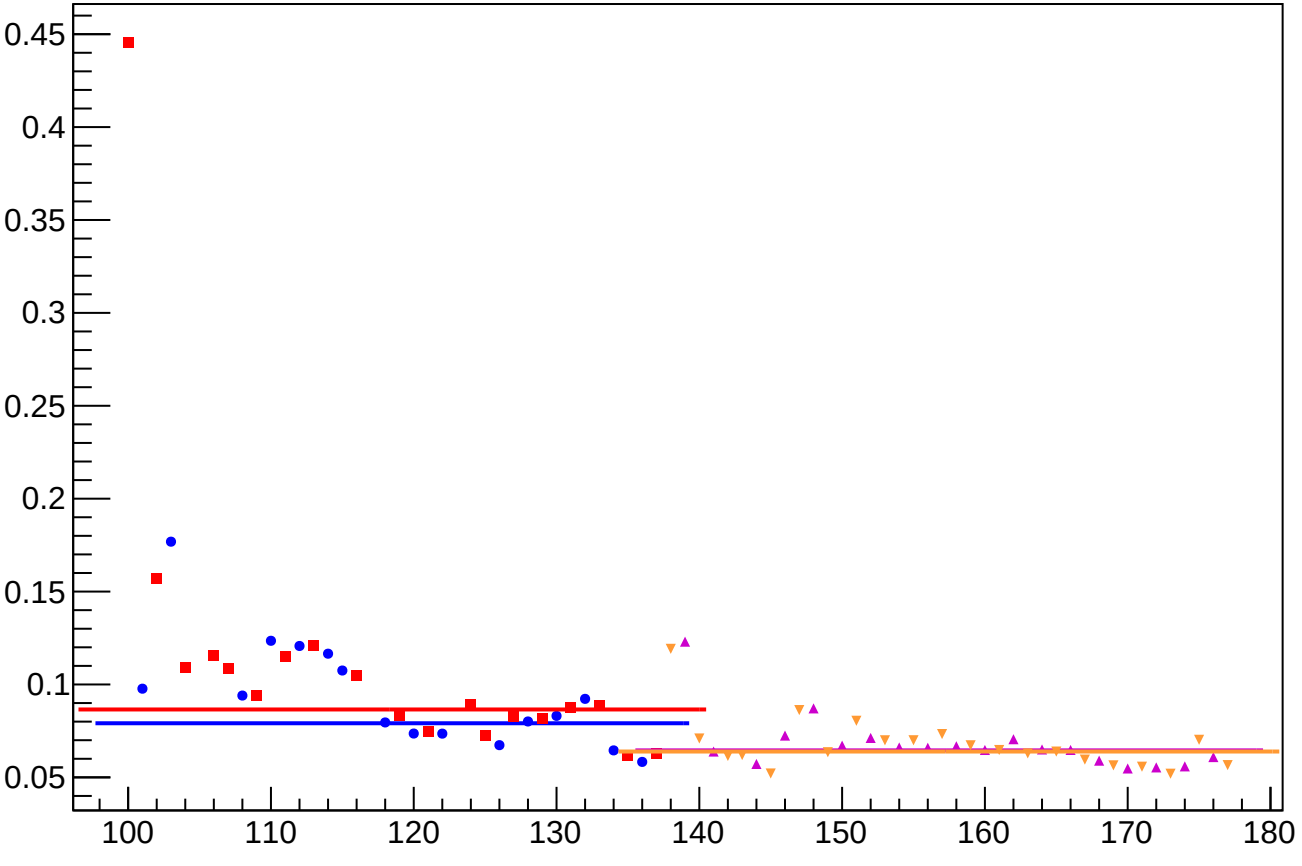
Right: 14.749+/-0.000 χ^2/NDF: 2945878863.1/34

In: 15.405+/-0.000 χ^2/NDF:3729093673.0/34

Out: 15.435+/-0.000 χ^2/NDF:4199275813.7/39

All: 15.421+/-0.000 χ^2/NDF: 7930312225.2/7

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:770210.8/20

Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

Left In: 0.065+/-0.000 χ^2/NDF:678895.4/18

Left: 0.064+/-0.000 χ^2/NDF: 1450374.7/39

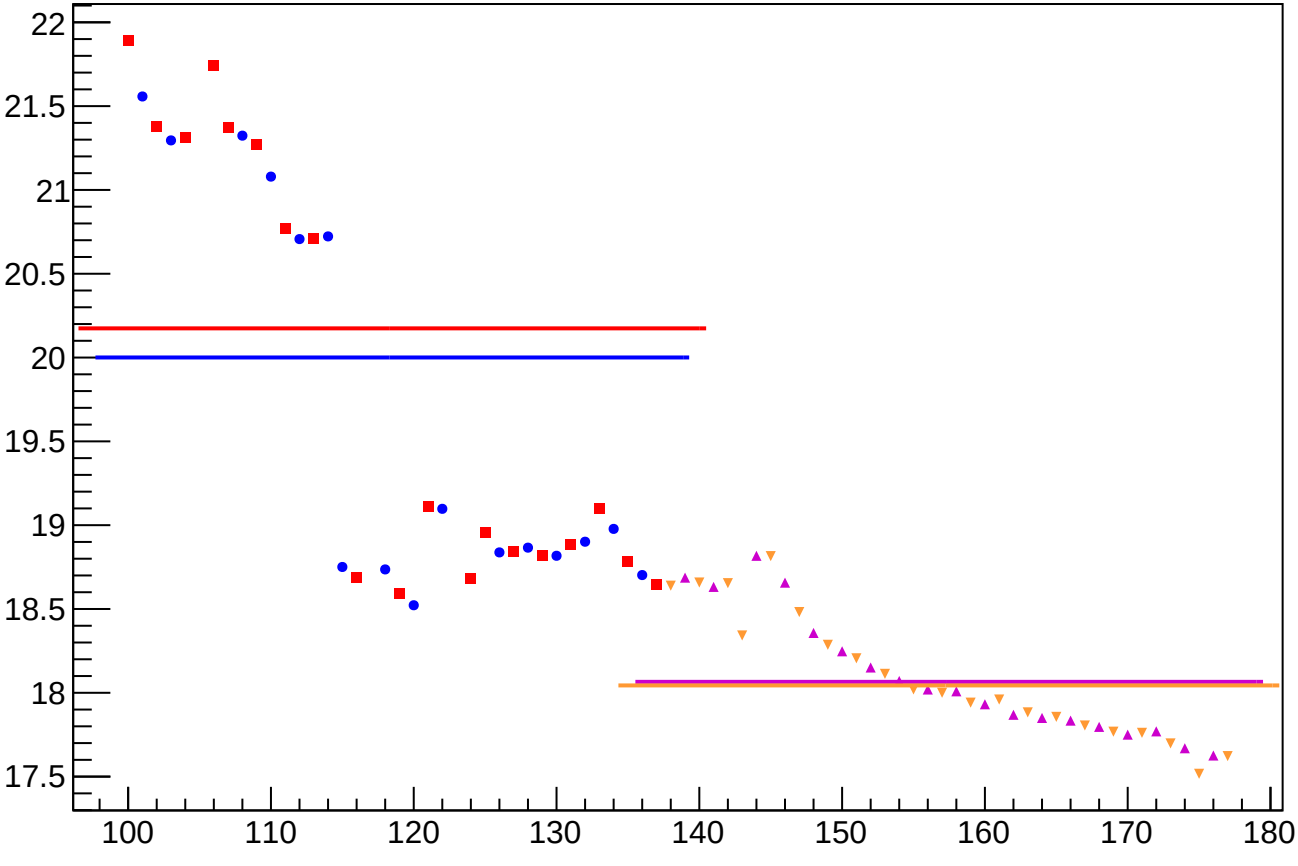
Right: 0.083+/-0.000 χ^2/NDF: 1759748.9/34

In: 0.068+/-0.000 χ^2/NDF:1904796.0/34

Out: 0.068+/-0.000 χ^2/NDF:2241753.1/39

All: 0.068+/-0.000 χ^2/NDF: 4147197.6/74

yield_sam5_mean vs Slug, Sign Corrected



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.044+/-0.000 χ^2/NDF:2180075493.4/20

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

Left In: 18.065+/-0.000 χ^2/NDF:1942643404.2/18

Left: 18.054+/-0.000 χ^2/NDF: 4126343233.3/39

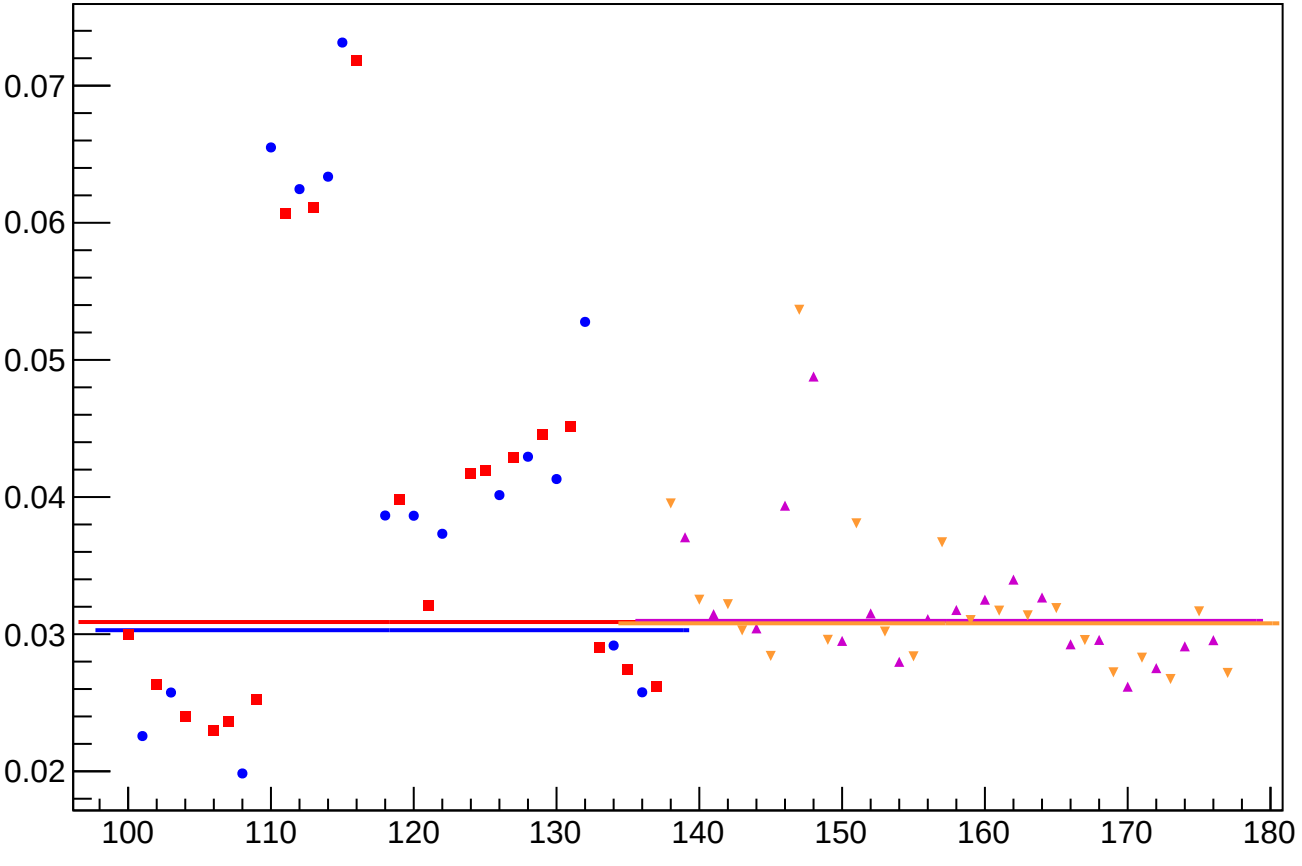
Right: 20.087+/-0.000 χ^2/NDF: 21403297693.7/34

In: 18.642+/-0.000 χ^2/NDF:29902206129.4/34

Out: 18.645+/-0.000 χ^2/NDF:33844750711.0/39

All: 18.644+/-0.000 χ^2/NDF: 63747021647.1

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 1447374.9/15

Left Out: 0.031+/-0.000 χ^2/NDF:602807.7/20

Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

Left In: 0.031+/-0.000 χ^2/NDF:469222.1/18

Left: 0.031+/-0.000 χ^2/NDF: 1072525.7/39

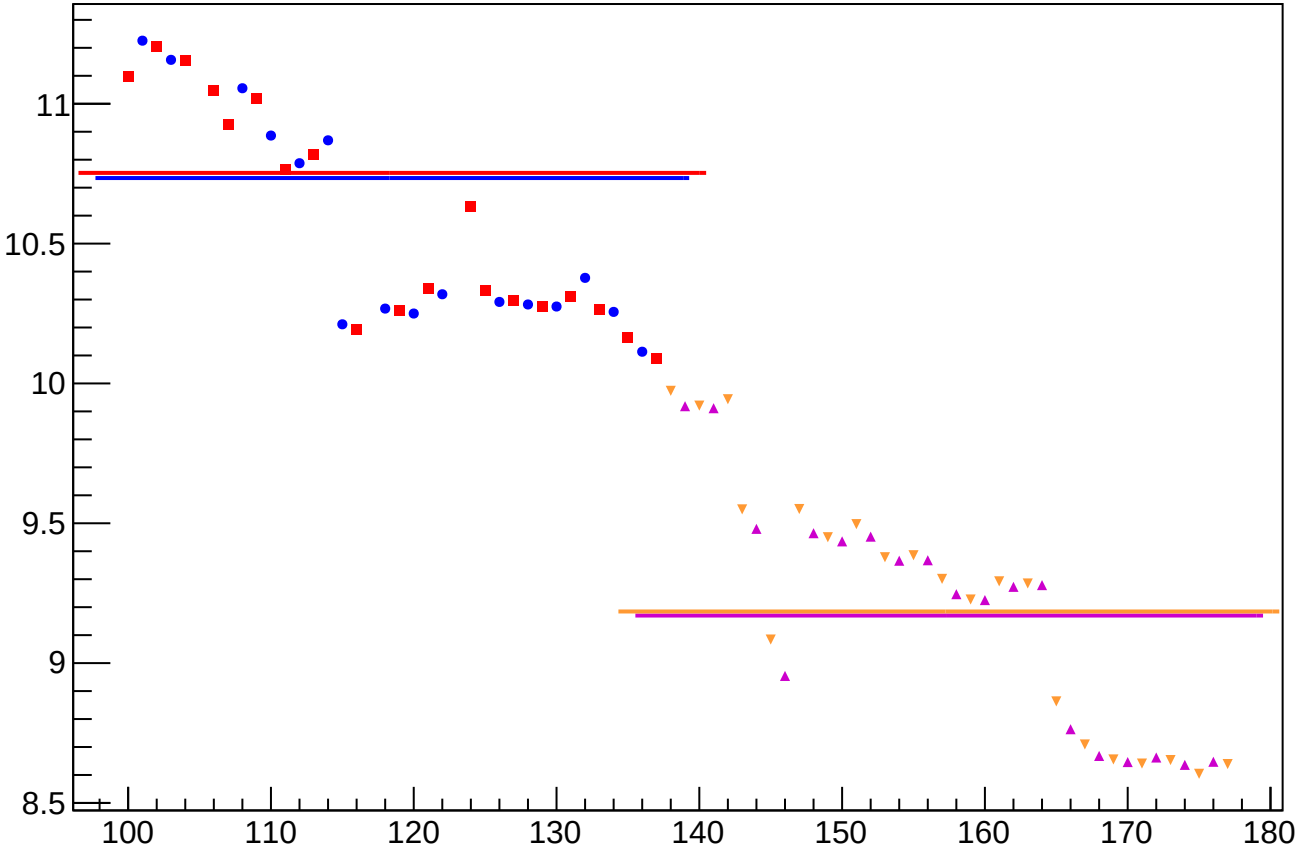
Right: 0.031+/-0.000 χ^2/NDF: 2654419.8/34

In: 0.031+/-0.000 χ^2/NDF:1920791.5/34

Out: 0.031+/-0.000 χ^2/NDF:1807621.5/39

All: 0.031+/-0.000 χ^2/NDF: 3728474.7/74

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.185+/-0.000 χ^2/NDF:7886112785.2/20

Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

Left In: 9.170+/-0.000 χ^2/NDF:6004496890.0/18

Left: 9.178+/-0.000 χ^2/NDF: 13894625793.6/39

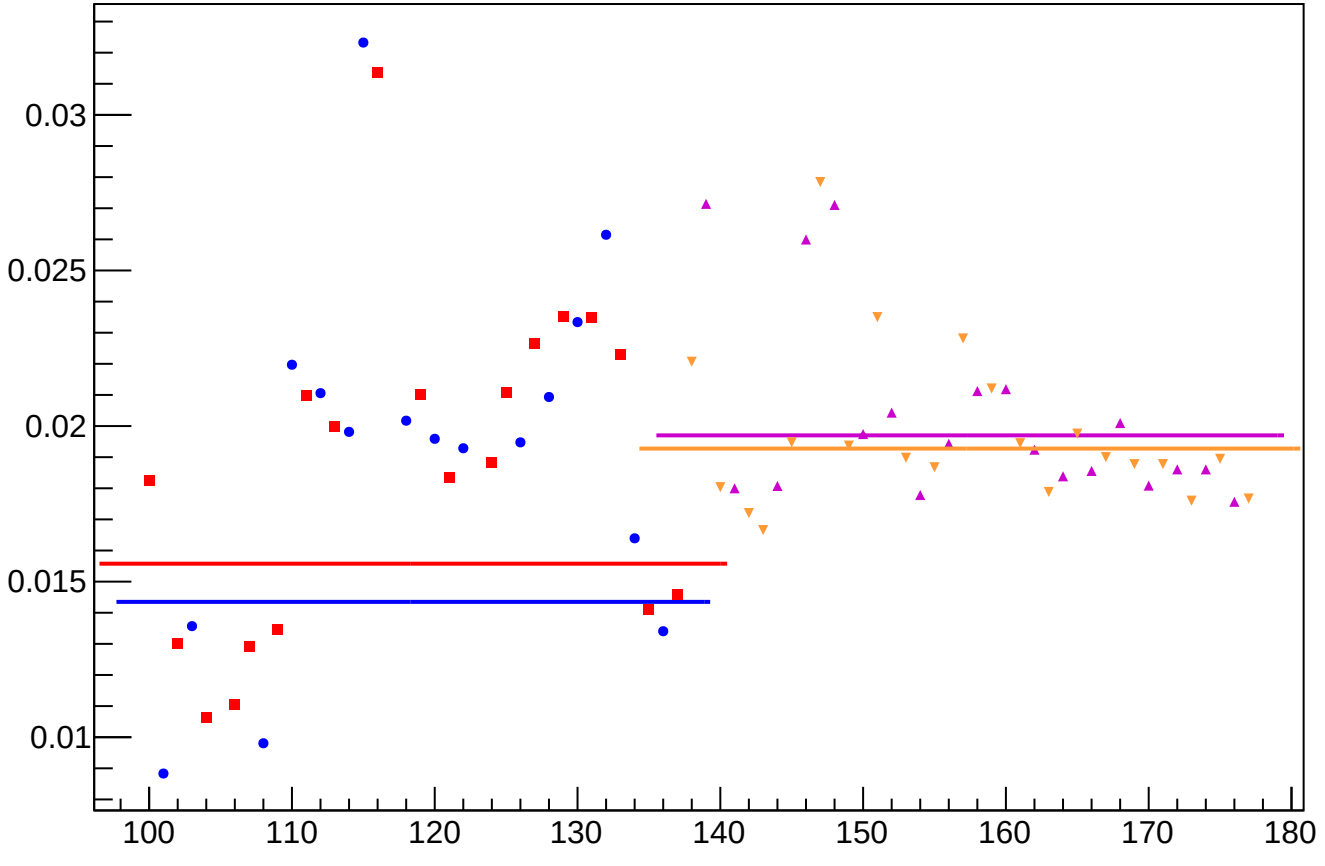
Right: 10.743+/-0.000 χ^2/NDF: 10228218714.9/34

In: 9.847+/-0.000 χ^2/NDF:50206935499.9/34

Out: 9.789+/-0.000 χ^2/NDF:50780833229.5/39

All: 9.818+/-0.000 χ^2/NDF: 101097284000.9

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:367103.3/20

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

Left In: 0.020+/-0.000 χ^2/NDF:451547.1/18

Left: 0.019+/-0.000 χ^2/NDF: 825544.3/39

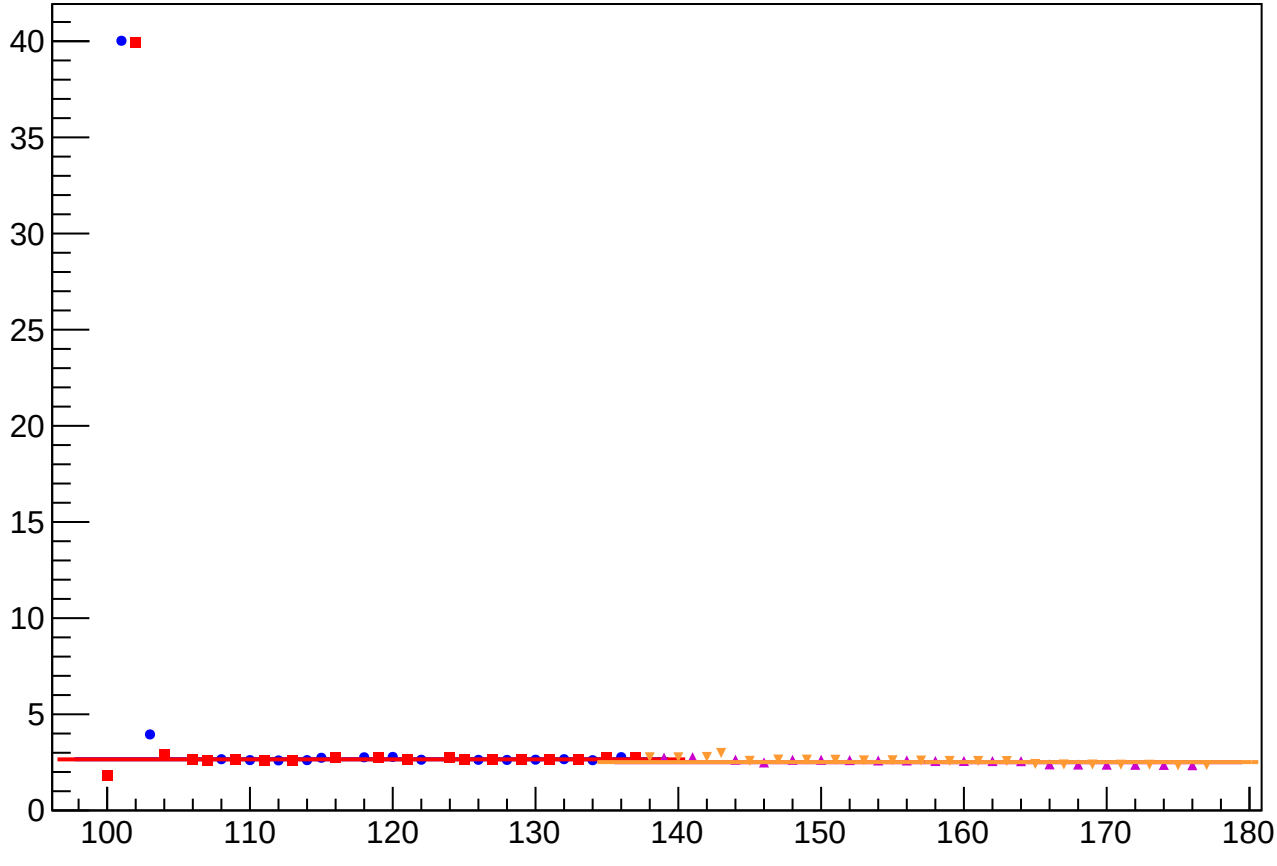
Right: 0.015+/-0.000 χ^2/NDF: 2593711.2/34

In: 0.017+/-0.000 χ^2/NDF:2830281.1/34

Out: 0.018+/-0.000 χ^2/NDF:1868186.5/39

All: 0.018+/-0.000 χ^2/NDF: 4712559.9/74

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.514+/-0.000 χ^2/NDF:79035197407.8/20

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

Left In: 2.508+/-0.000 χ^2/NDF:51078111721.5/18

Left: 2.511+/-0.000 χ^2/NDF: 130172795671.0/39

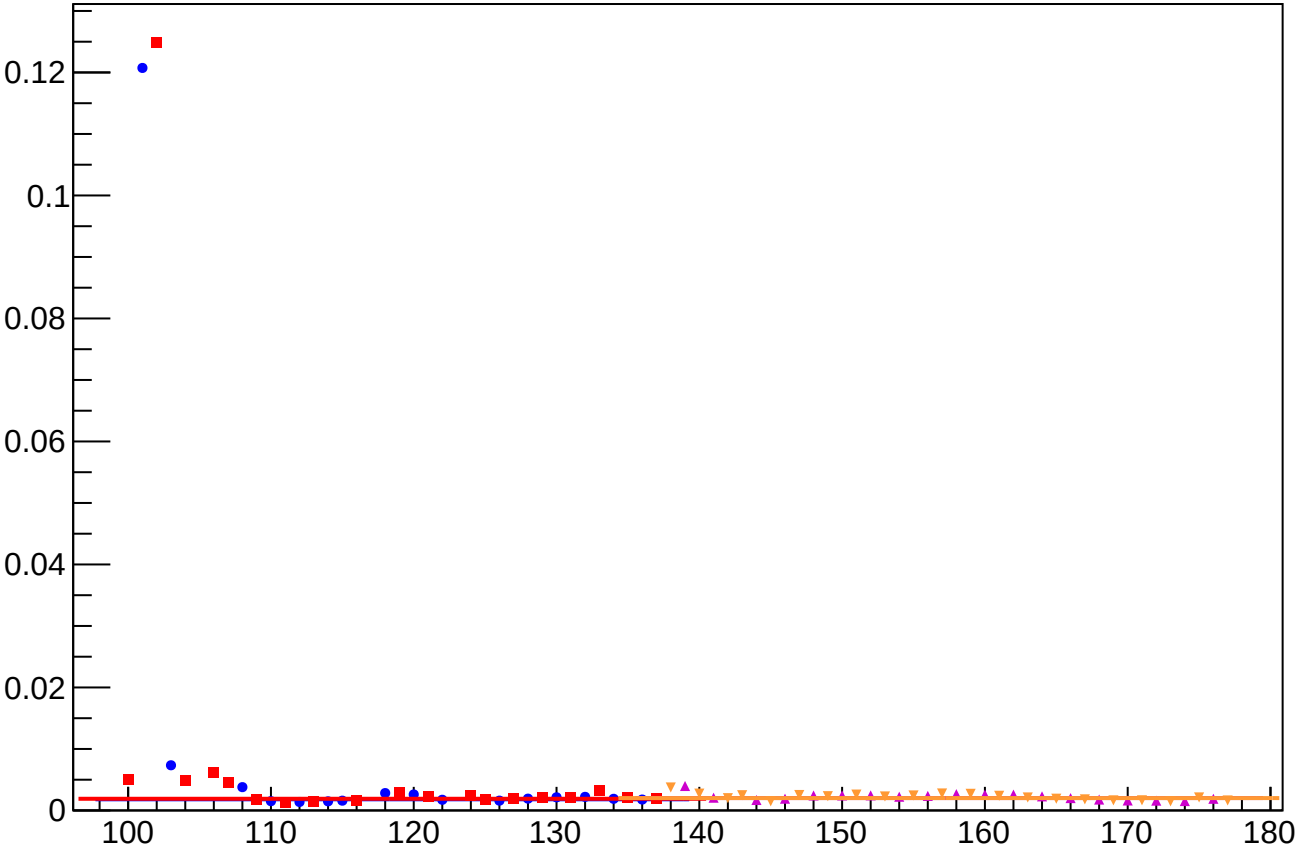
Right: 2.660+/-0.000 χ^2/NDF: 132934575870.3/34

In: 2.558+/-0.000 χ^2/NDF:142627491514.9/34

Out: 2.557+/-0.000 χ^2/NDF:163962028002.9/39

All: 2.558+/-0.000 χ^2/NDF: 306593555132.5

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:1454228.5/20

Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.002+/-0.000 χ^2/NDF:1213661.7/18

Left: 0.002+/-0.000 χ^2/NDF: 2668029.6/39

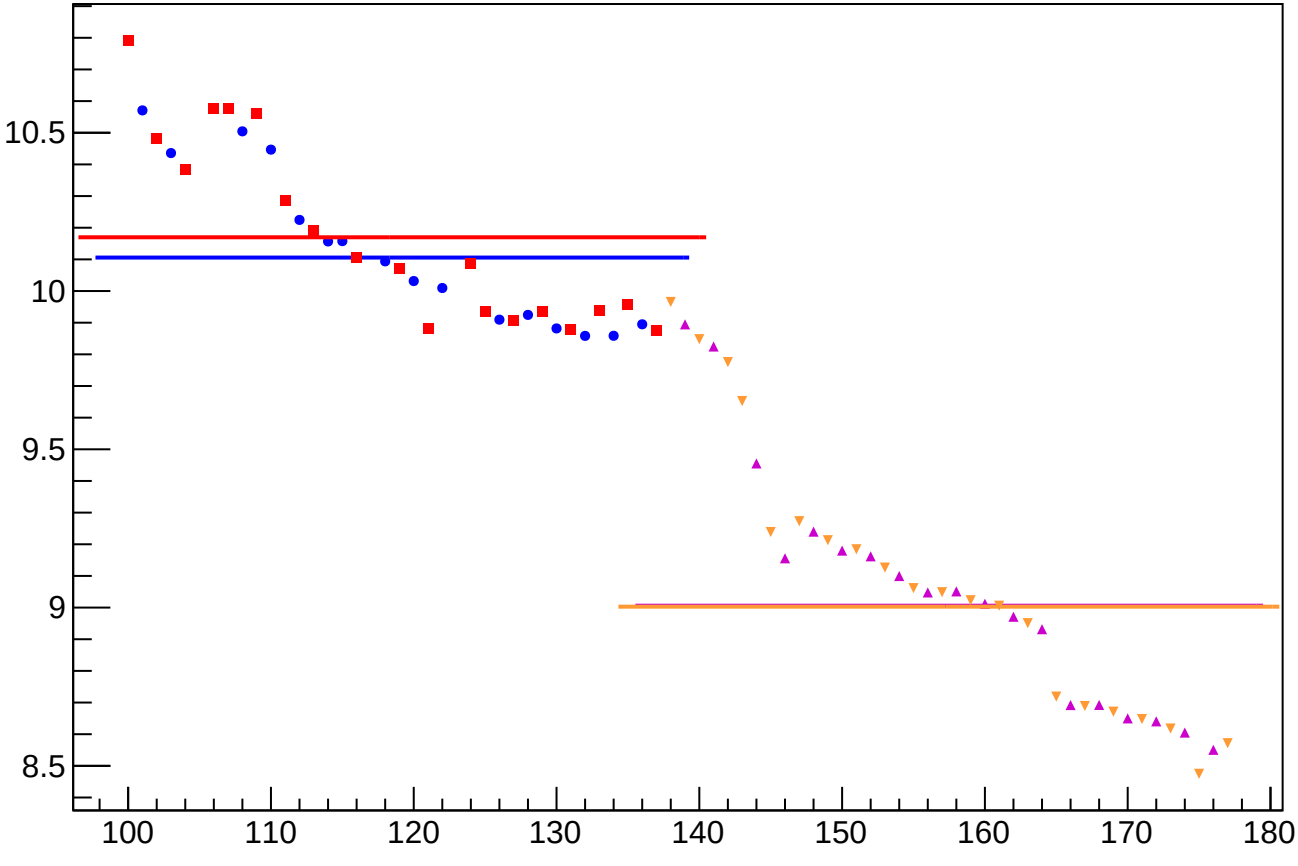
Right: 0.002+/-0.000 χ^2/NDF: 4358433.6/34

In: 0.002+/-0.000 χ^2/NDF:3117540.8/34

Out: 0.002+/-0.000 χ^2/NDF:4004462.9/39

All: 0.002+/-0.000 χ^2/NDF: 7124924.5/74

yield_sam8_mean vs Slug, Sign Corrected



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 9.003+/-0.000 χ^2/NDF:52275460759.5/20

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

Left In: 9.006+/-0.000 χ^2/NDF:41323115180.9/18

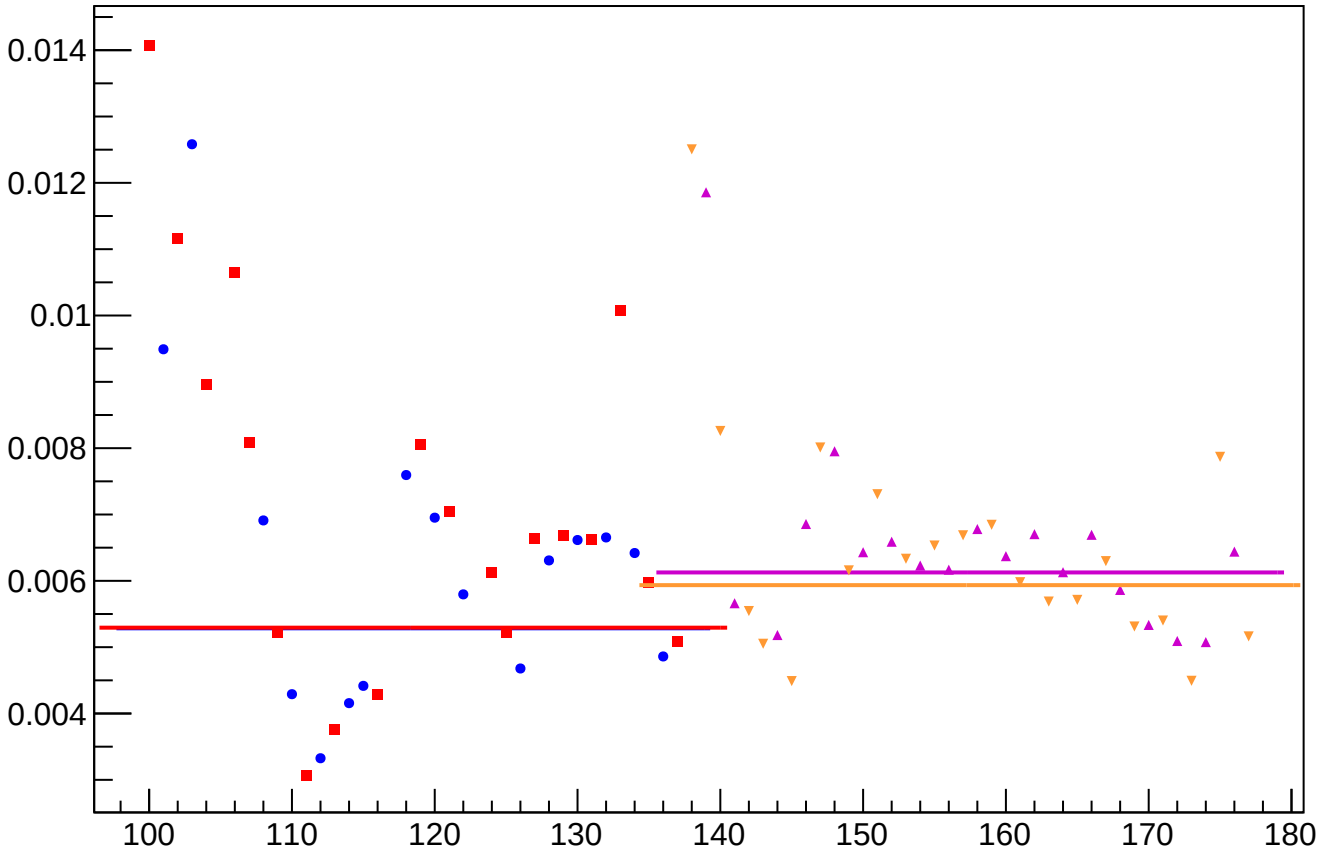
Left: 9.004+/-0.000 χ^2/NDF: 93600238512.1/39

Right: 10.138+/-0.000 χ^2/NDF: 18662438112.6/34

In: 9.411+/-0.000 χ^2/NDF:198257206209.1/34

Out: 9.404+/-0.000 χ^2/NDF:237263297564.1/39

All: 9.407+/-0.000 χ^2/NDF: 435532613233.0



Right In: 0.005+/-0.000 χ^2/NDF: 1274133.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:1143476.3/20

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

Left In: 0.006+/-0.000 χ^2/NDF:707322.9/18

Left: 0.006+/-0.000 χ^2/NDF: 1863700.6/39

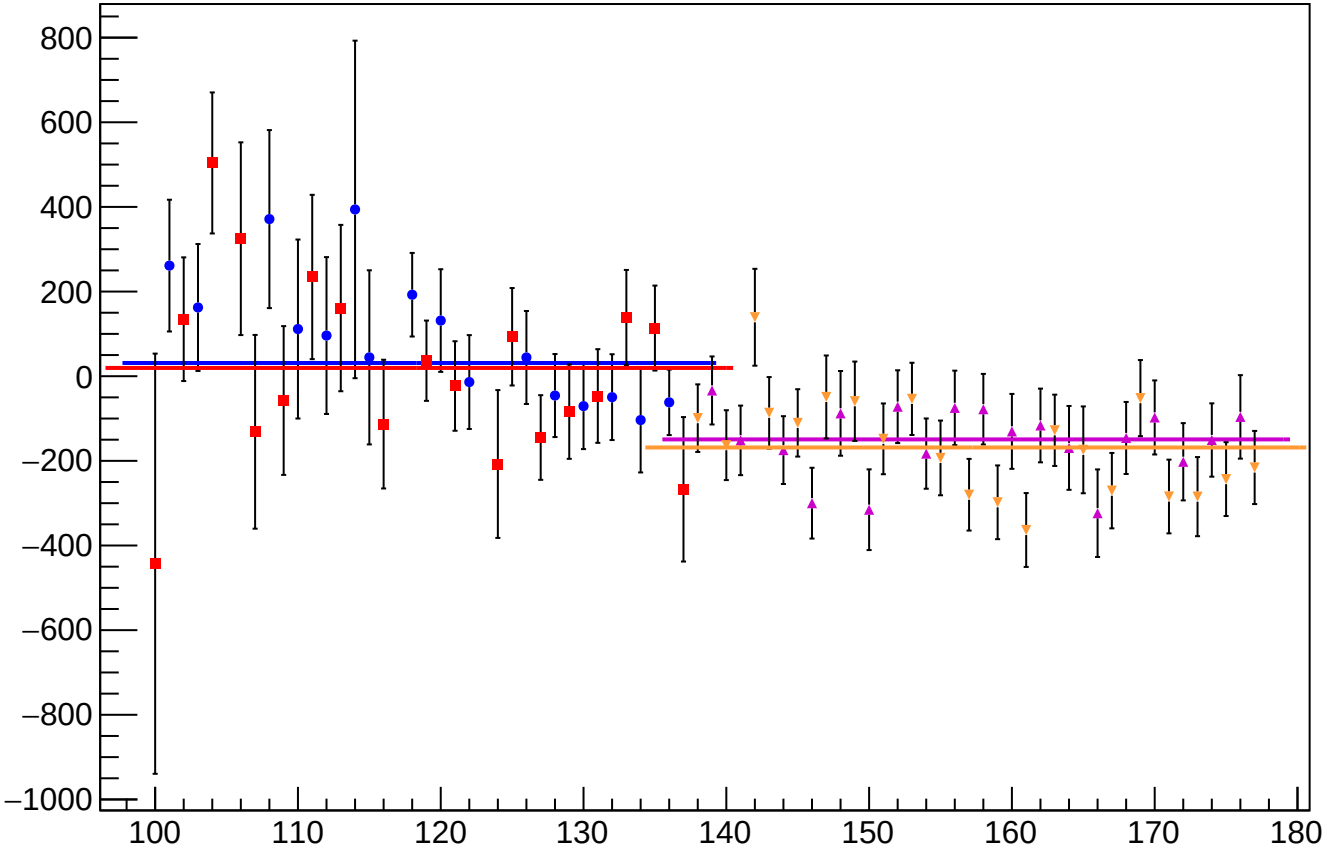
Right: 0.005+/-0.000 χ^2/NDF: 3066401.4/34

In: 0.006+/-0.000 χ^2/NDF:2154753.1/34

Out: 0.006+/-0.000 χ^2/NDF:3041913.1/39

All: 0.006+/-0.000 χ^2/NDF: 5202348.4/74

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -168.392+/-19.230 χ^2/NDF:30.8/20

Right Out: 19.573+/-31.059 χ^2/NDF: 25.9/18

Left In: -149.297+/-20.228 χ^2/NDF:15.3/18

Left: -159.327+/-13.937 χ^2/NDF: 46.5/39

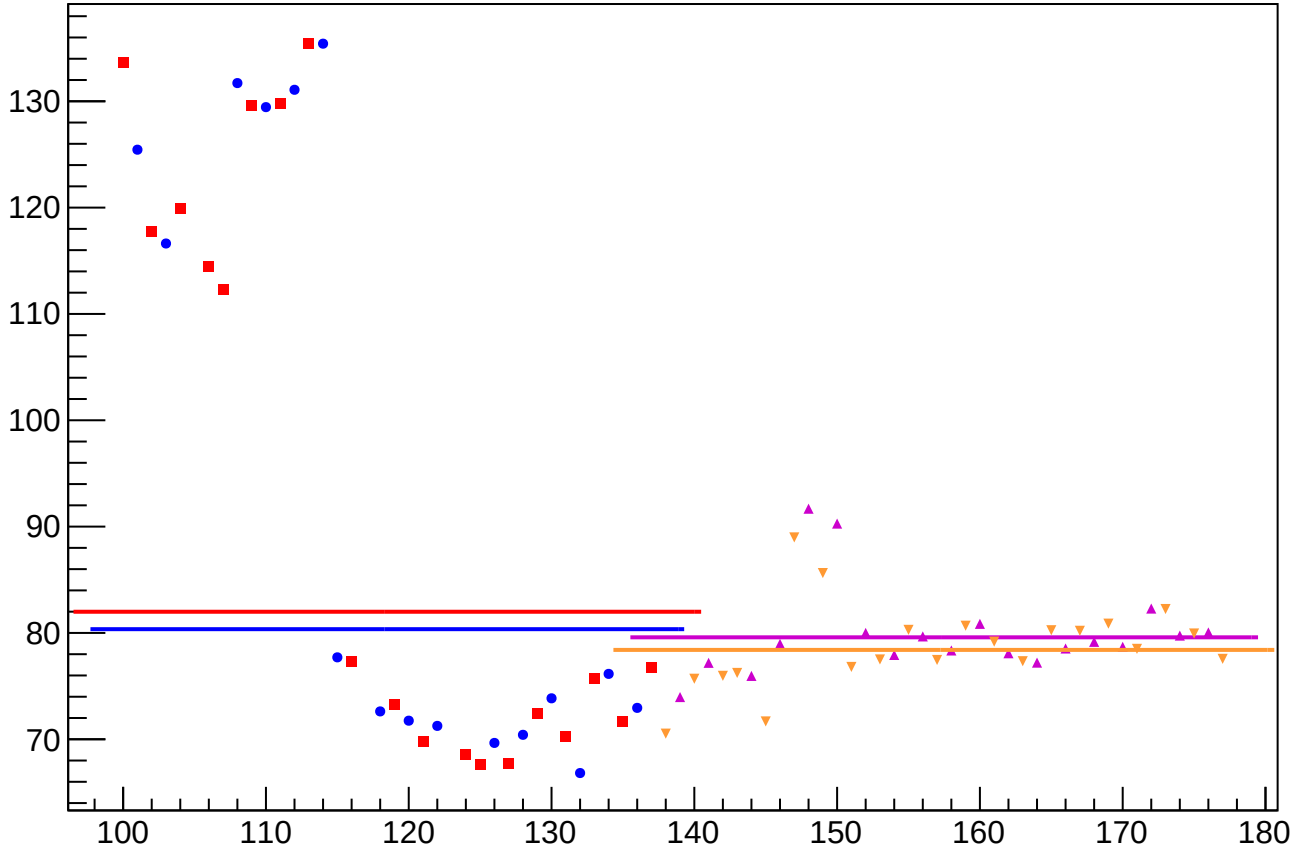
Right: 25.463+/-21.865 χ^2/NDF: 41.1/34

In: -94.857+/-16.905 χ^2/NDF:54.4/34

Out: -116.304+/-16.350 χ^2/NDF:83.1/39

All: -105.939+/-11.753 χ^2/NDF: 138.4/74

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 78.404+/-0.014 χ^2/NDF:84437.0/20

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

Left In: 79.587+/-0.014 χ^2/NDF:75771.2/18

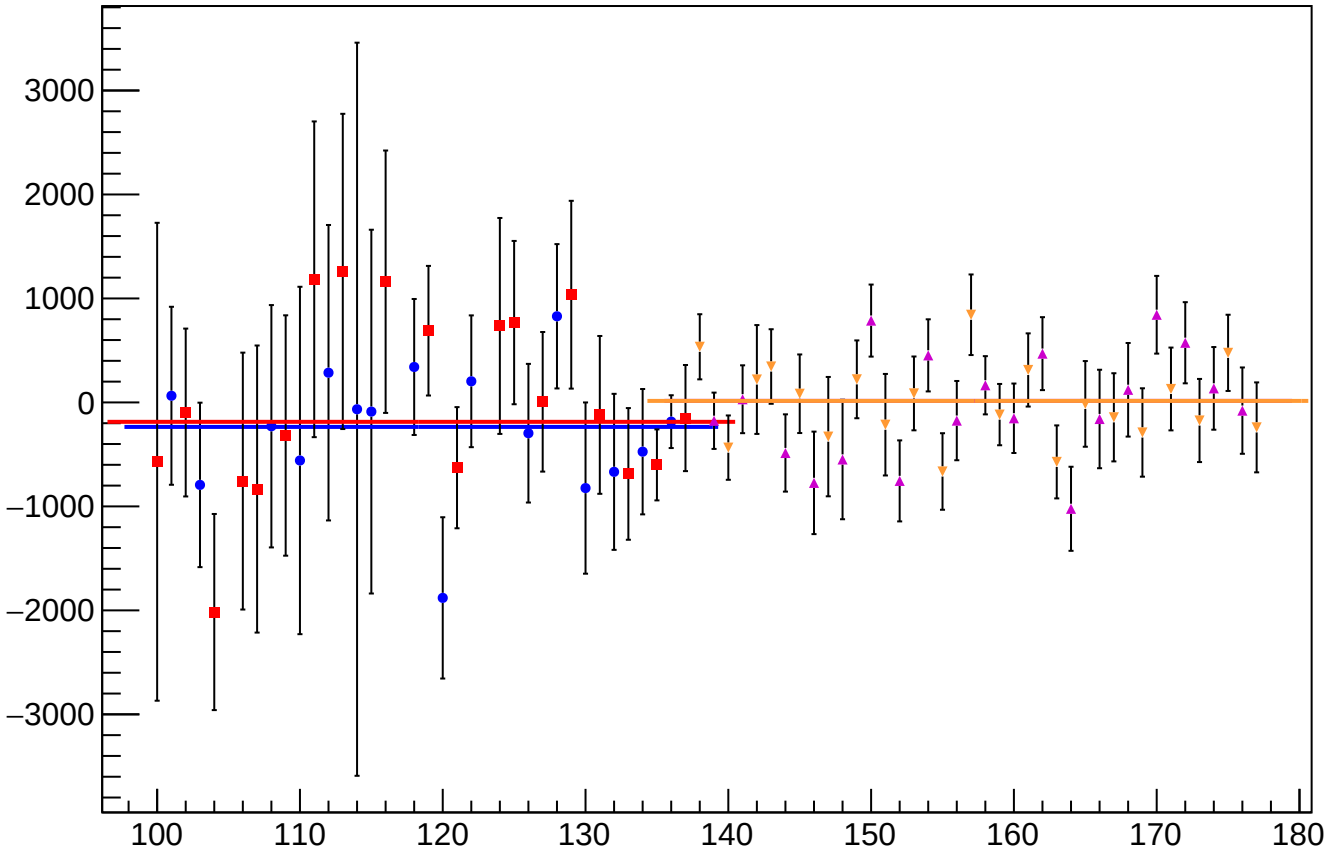
Left: 78.966+/-0.010 χ^2/NDF: 163802.1/39

Right: 81.166+/-0.015 χ^2/NDF: 1775186.5/34

In: 79.818+/-0.012 χ^2/NDF:916677.4/34

Out: 79.399+/-0.012 χ^2/NDF:1036079.0/39

All: 79.601+/-0.008 χ^2/NDF: 1953393.5/74



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 14.572+/-82.918 χ^2/NDF:21.4/20

Right Out: -186.618+/-170.394 χ^2/NDF: 16.0/18

Left In: 14.713+/-84.898 χ^2/NDF:32.7/18

Left: 14.641+/-59.320 χ^2/NDF: 54.1/39

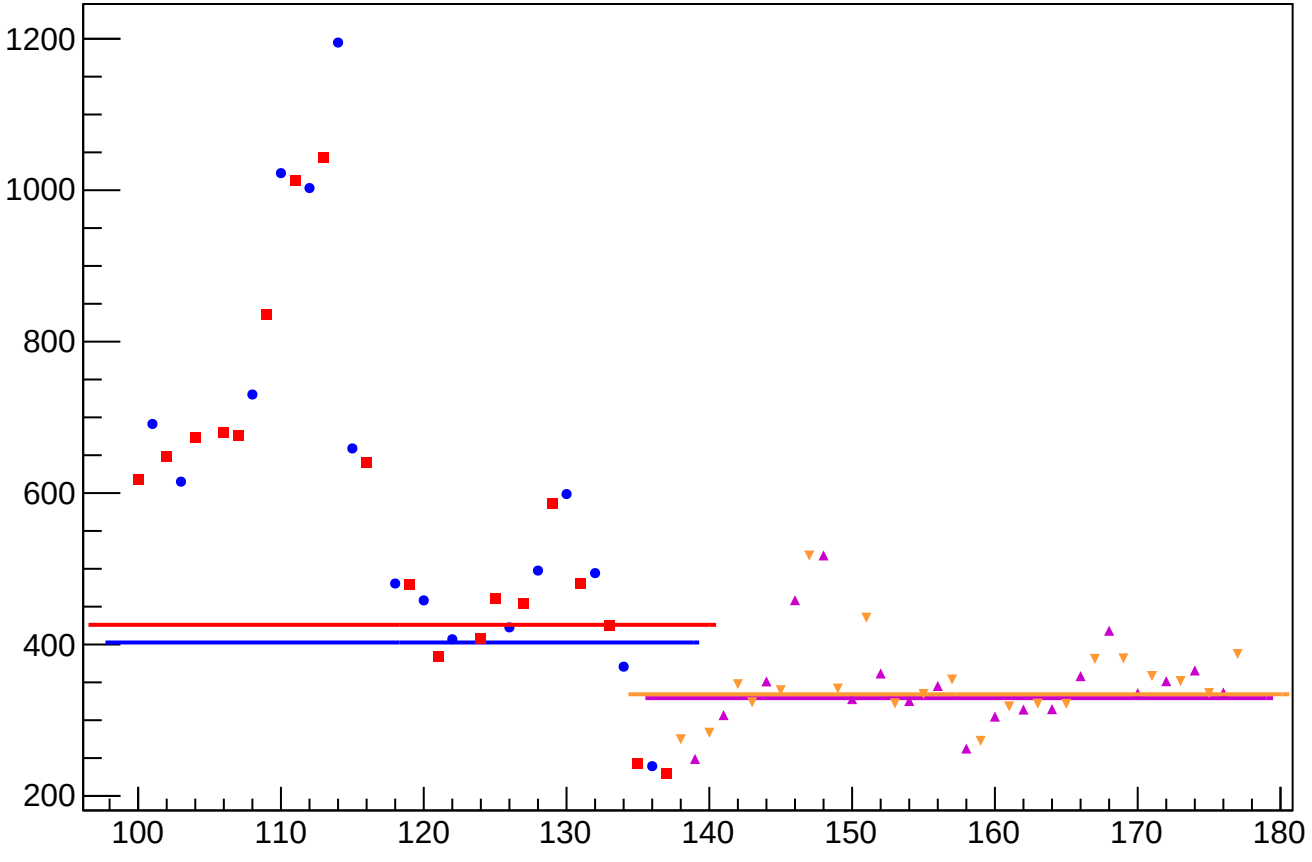
Right: -212.039+/-118.073 χ^2/NDF: 25.9/34

In: -38.293+/-75.372 χ^2/NDF:44.4/34

Out: -23.949+/-74.559 χ^2/NDF:38.5/39

All: -31.043+/-53.006 χ^2/NDF: 83.0/74

asym_sam1_reg_correction_rms vs Slug, Sign Corrected



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 334.270+/-0.059 χ^2/NDF:613369.8/20

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

Left In: 329.193+/-0.060 χ^2/NDF:803420.3/18

Left: 331.791+/-0.042 χ^2/NDF: 1420450.2/39

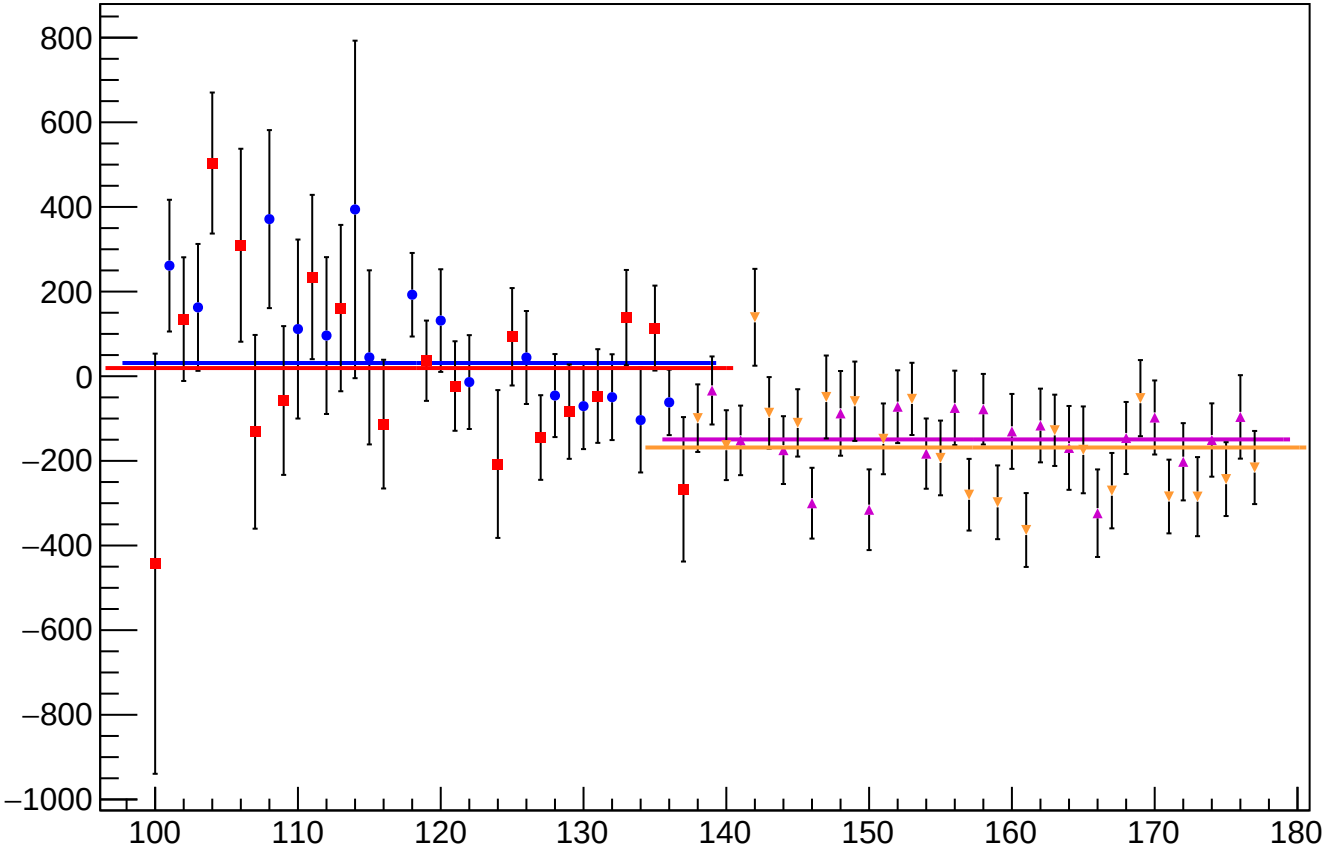
Right: 413.856+/-0.083 χ^2/NDF: 4748361.6/34

In: 344.755+/-0.053 χ^2/NDF:3480738.7/34

Out: 351.829+/-0.053 χ^2/NDF:3450603.4/39

All: 348.330+/-0.037 χ^2/NDF: 6940246.7/74

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -168.391+/-19.230 χ^2/NDF:30.8/20

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -149.301+/-20.228 χ^2/NDF:15.3/18

Left: -159.329+/-13.937 χ^2/NDF: 46.5/39

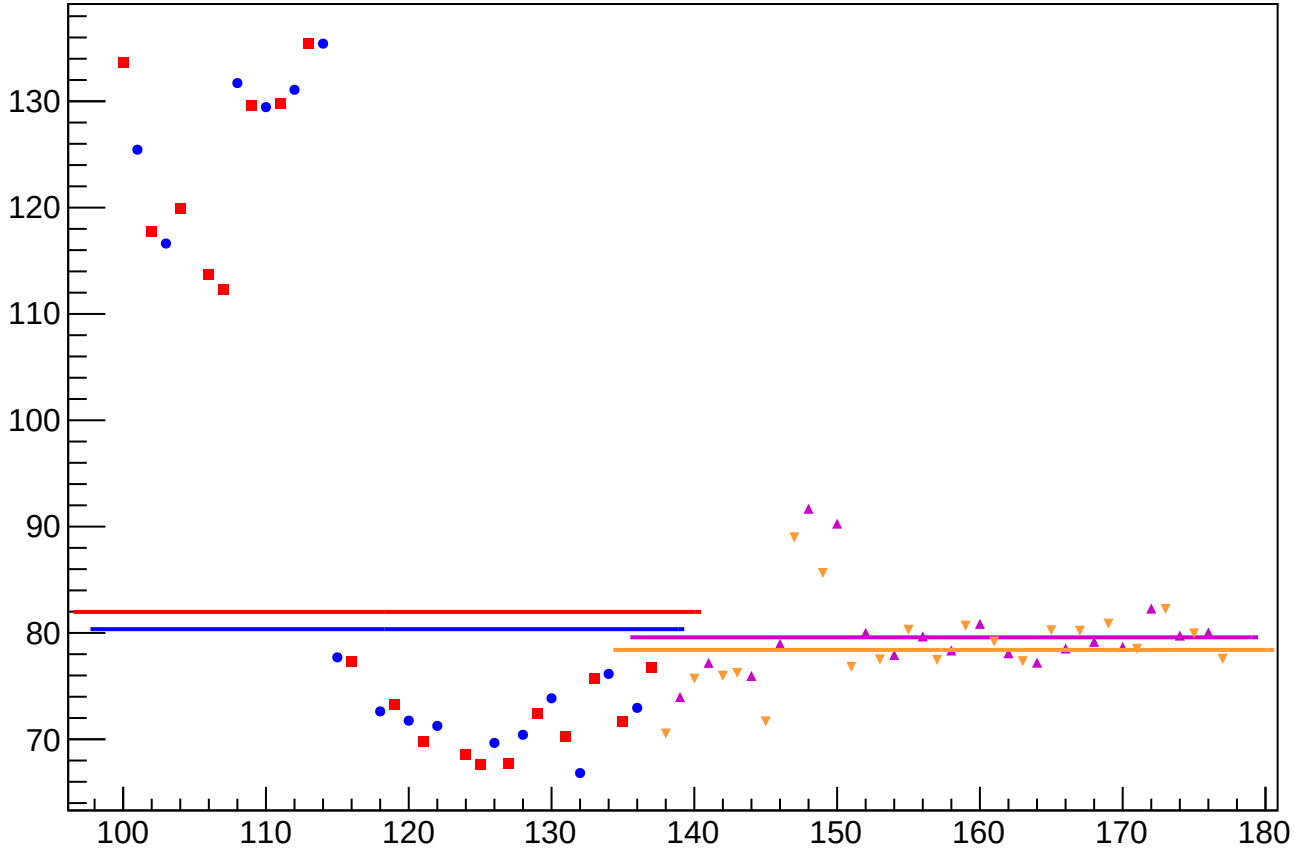
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -94.857+/-16.905 χ^2/NDF:54.4/34

Out: -116.386+/-16.350 χ^2/NDF:82.9/39

All: -105.981+/-11.753 χ^2/NDF: 138.1/74

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 78.404+/-0.014 χ^2/NDF:84437.1/20

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.587+/-0.014 χ^2/NDF:75771.2/18

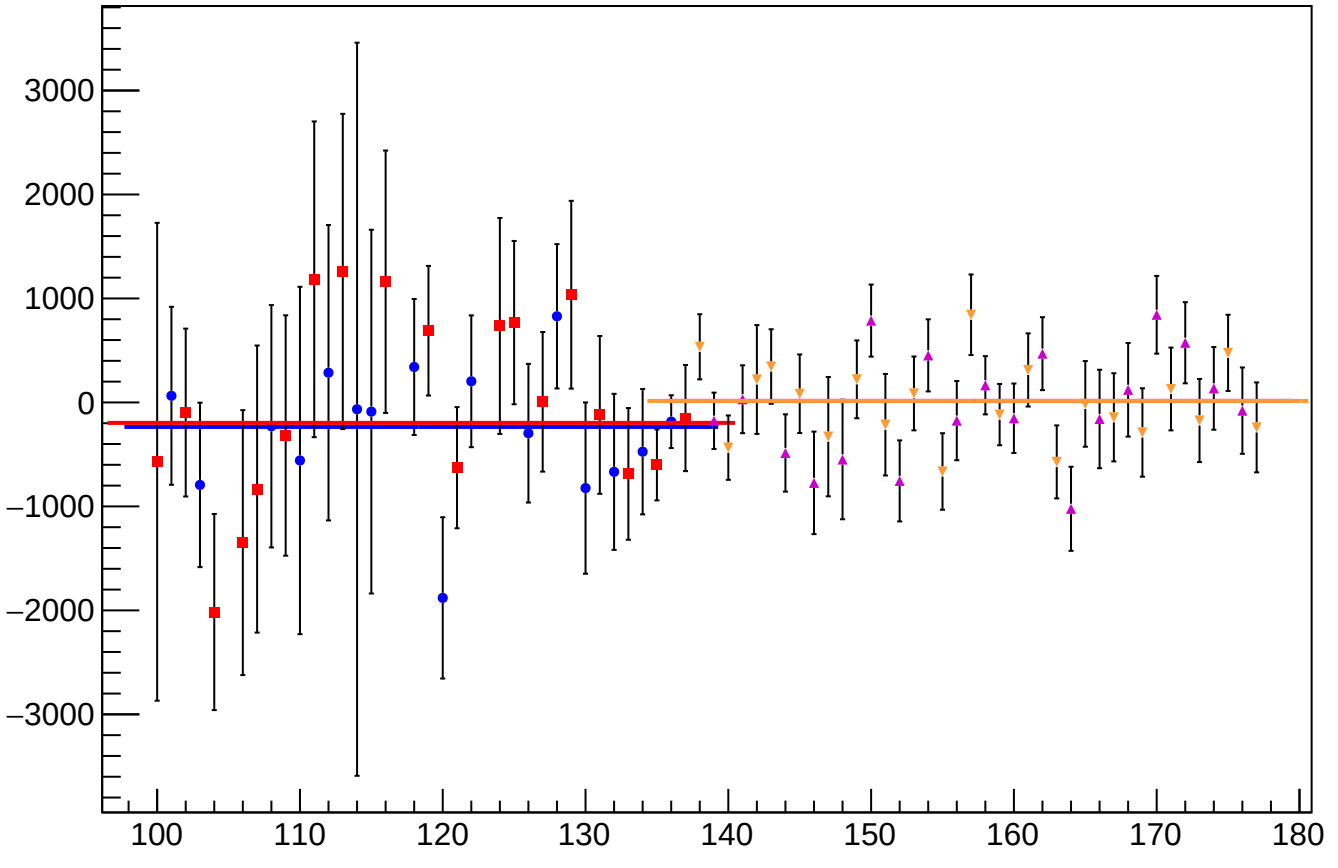
Left: 78.966+/-0.010 χ^2/NDF: 163802.1/39

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 79.818+/-0.012 χ^2/NDF:916677.5/34

Out: 79.394+/-0.012 χ^2/NDF:1034045.5/39

All: 79.599+/-0.008 χ^2/NDF: 1951373.0/74



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 14.570+/-82.918 χ^2/NDF:21.4/20

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: 14.708+/-84.898 χ^2/NDF:32.7/18

Left: 14.637+/-59.320 χ^2/NDF: 54.1/39

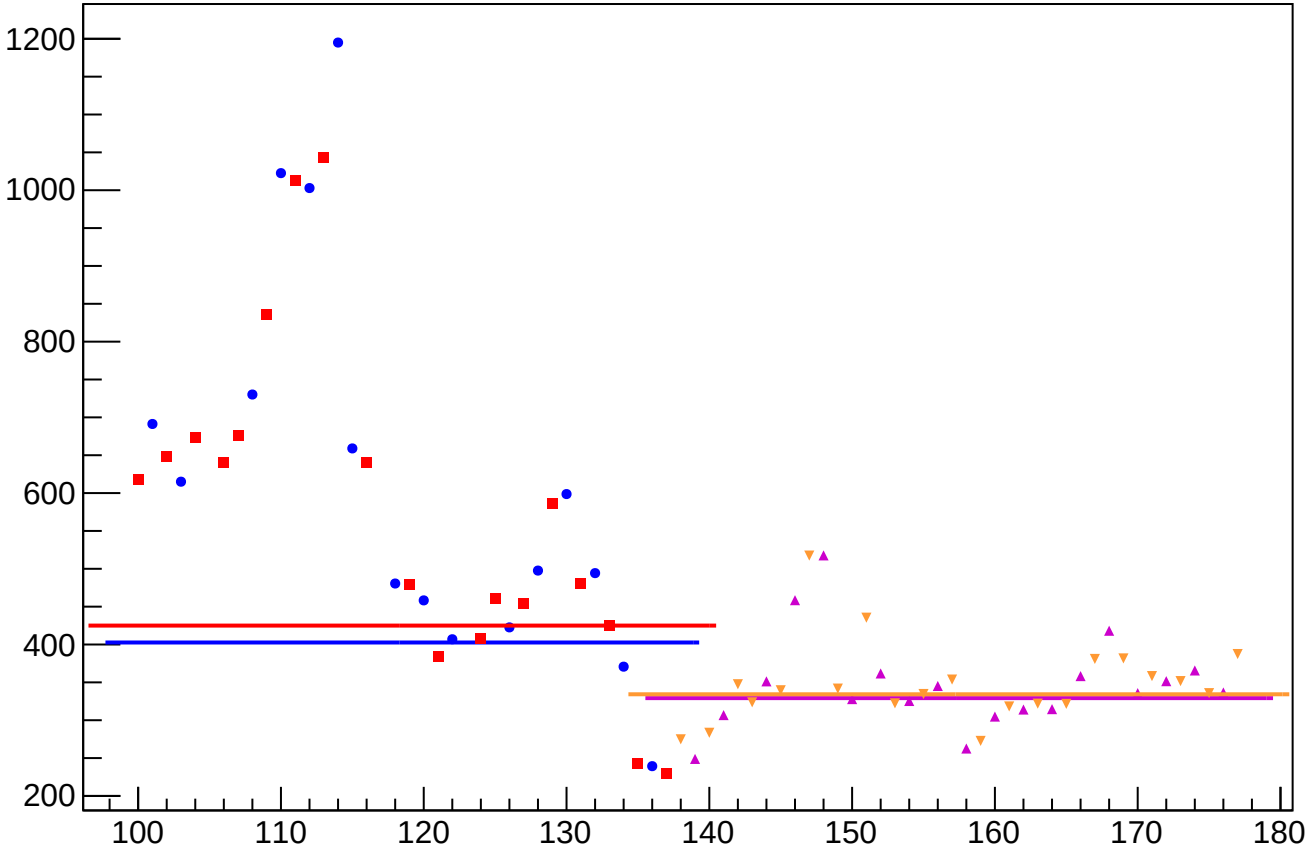
Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -38.297+/-75.372 χ^2/NDF:44.4/34

Out: -25.820+/-74.567 χ^2/NDF:39.2/39

All: -31.991+/-53.009 χ^2/NDF: 83.7/74

asym_sam1_cor_correction_rms vs Slug, Sign Corrected



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 334.270+/-0.059 χ^2/NDF:613378.3/20

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 329.193+/-0.060 χ^2/NDF:803419.8/18

Left: 331.791+/-0.042 χ^2/NDF: 1420458.1/39

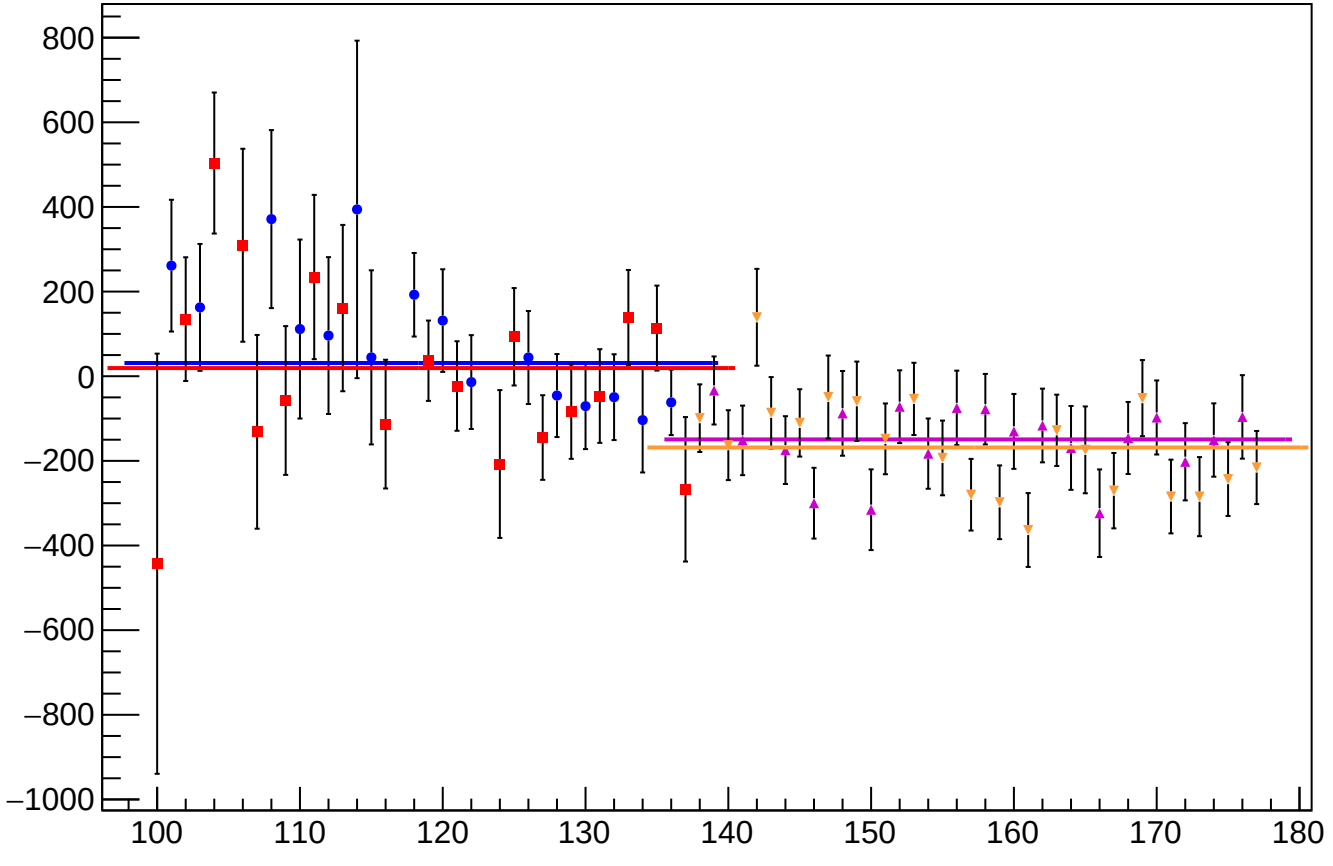
Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 344.755+/-0.053 χ^2/NDF:3480734.9/34

Out: 351.623+/-0.053 χ^2/NDF:3412343.1/39

All: 348.226+/-0.037 χ^2/NDF: 6901470.1/74

eigen_cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -168.391+/-19.230 χ^2/NDF:30.8/20

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -149.301+/-20.228 χ^2/NDF:15.3/18

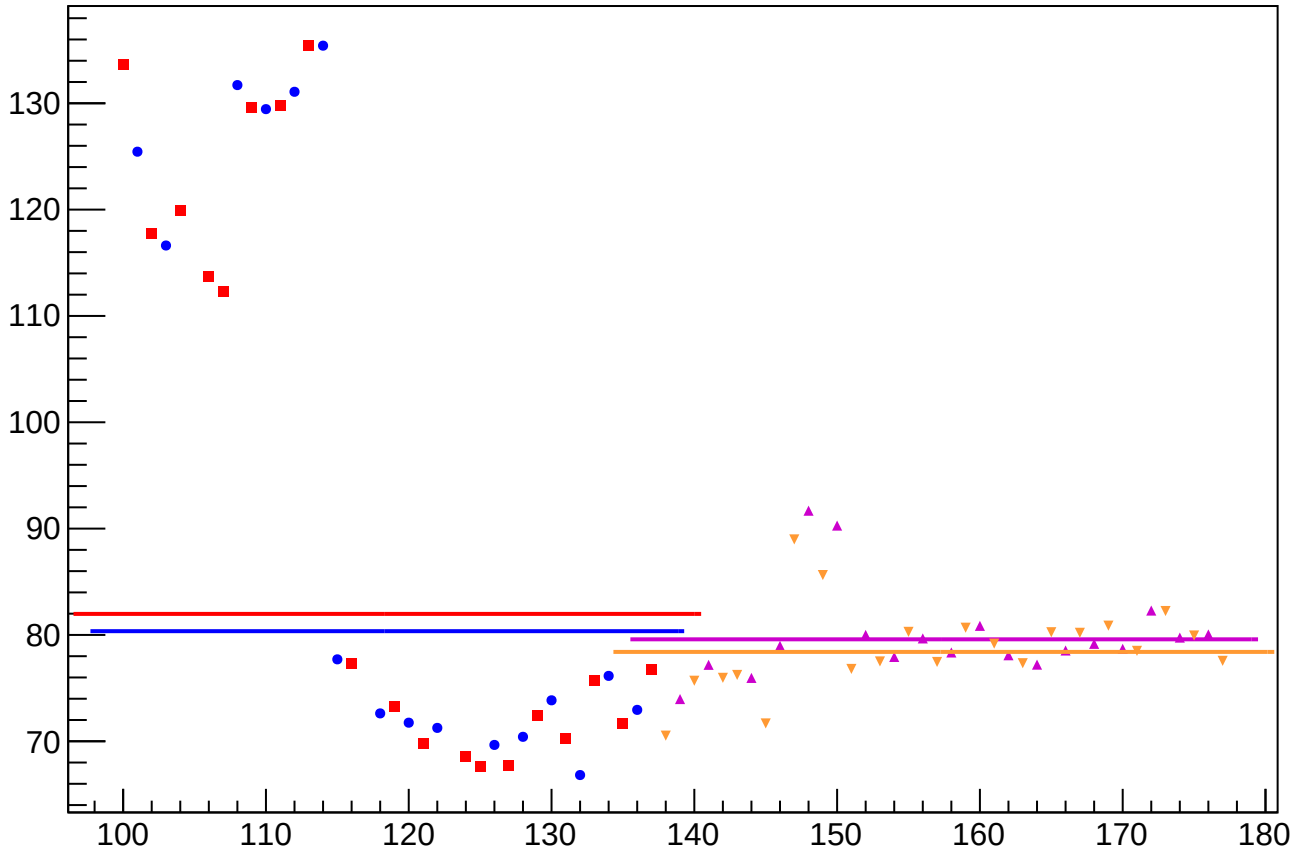
Left: -159.329+/-13.937 χ^2/NDF: 46.5/39

Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -94.857+/-16.905 χ^2/NDF:54.4/34

Out: -116.386+/-16.350 χ^2/NDF:82.9/39

All: -105.981+/-11.753 χ^2/NDF: 138.1/74



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 78.404+/-0.014 χ^2/NDF:84437.1/20

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.587+/-0.014 χ^2/NDF:75771.2/18

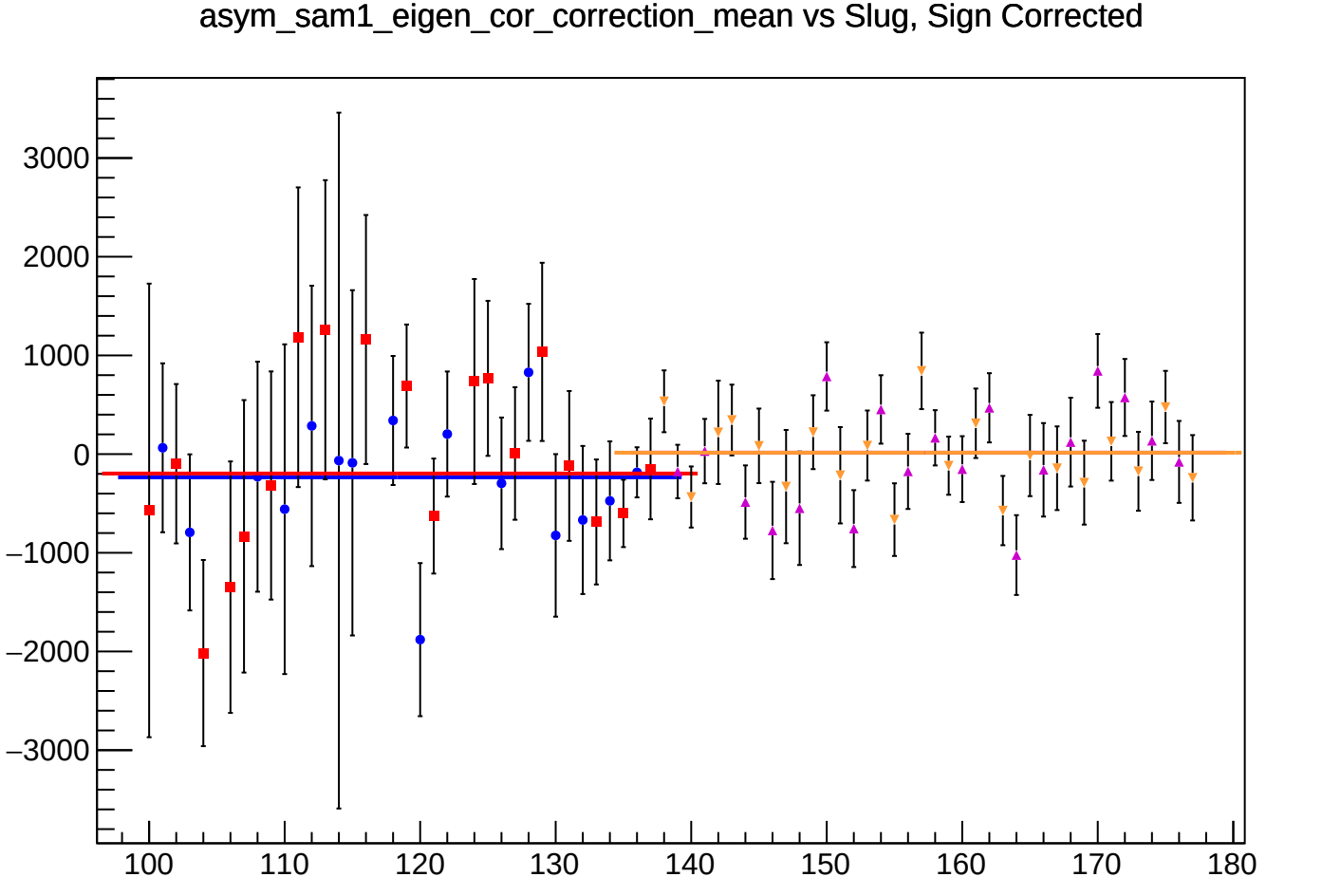
Left: 78.966+/-0.010 χ^2/NDF: 163802.1/39

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 79.818+/-0.012 χ^2/NDF:916677.5/34

Out: 79.394+/-0.012 χ^2/NDF:1034045.5/39

All: 79.599+/-0.008 χ^2/NDF: 1951373.0/74



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 14.570+/-82.918 χ^2/NDF:21.4/20

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: 14.708+/-84.898 χ^2/NDF:32.7/18

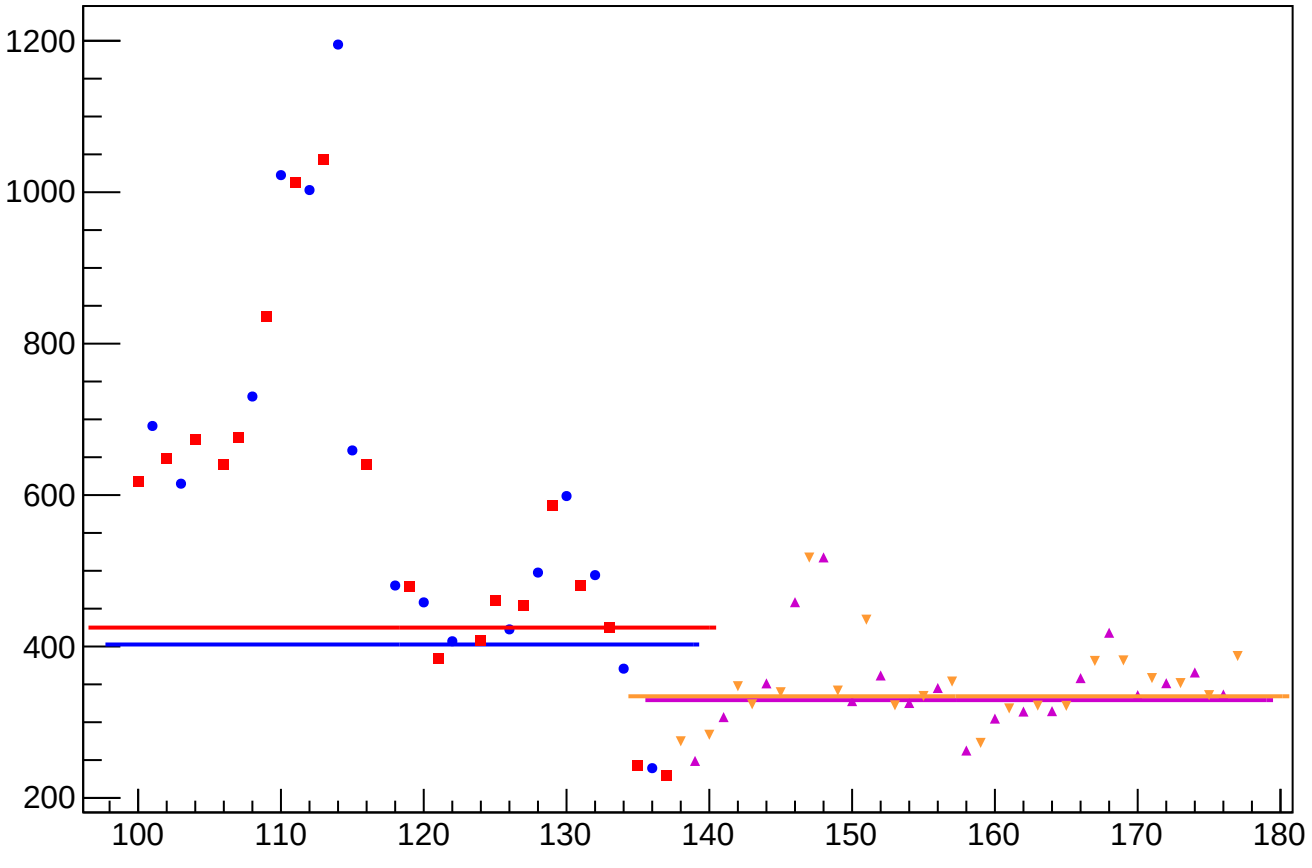
Left: 14.637+/-59.320 χ^2/NDF: 54.1/39

Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -38.297+/-75.372 χ^2/NDF:44.4/34

Out: -25.820+/-74.567 χ^2/NDF:39.2/39

All: -31.991+/-53.009 χ^2/NDF: 83.7/74



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 334.270+/-0.059 χ^2/NDF:613378.3/20

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 329.193+/-0.060 χ^2/NDF:803419.8/18

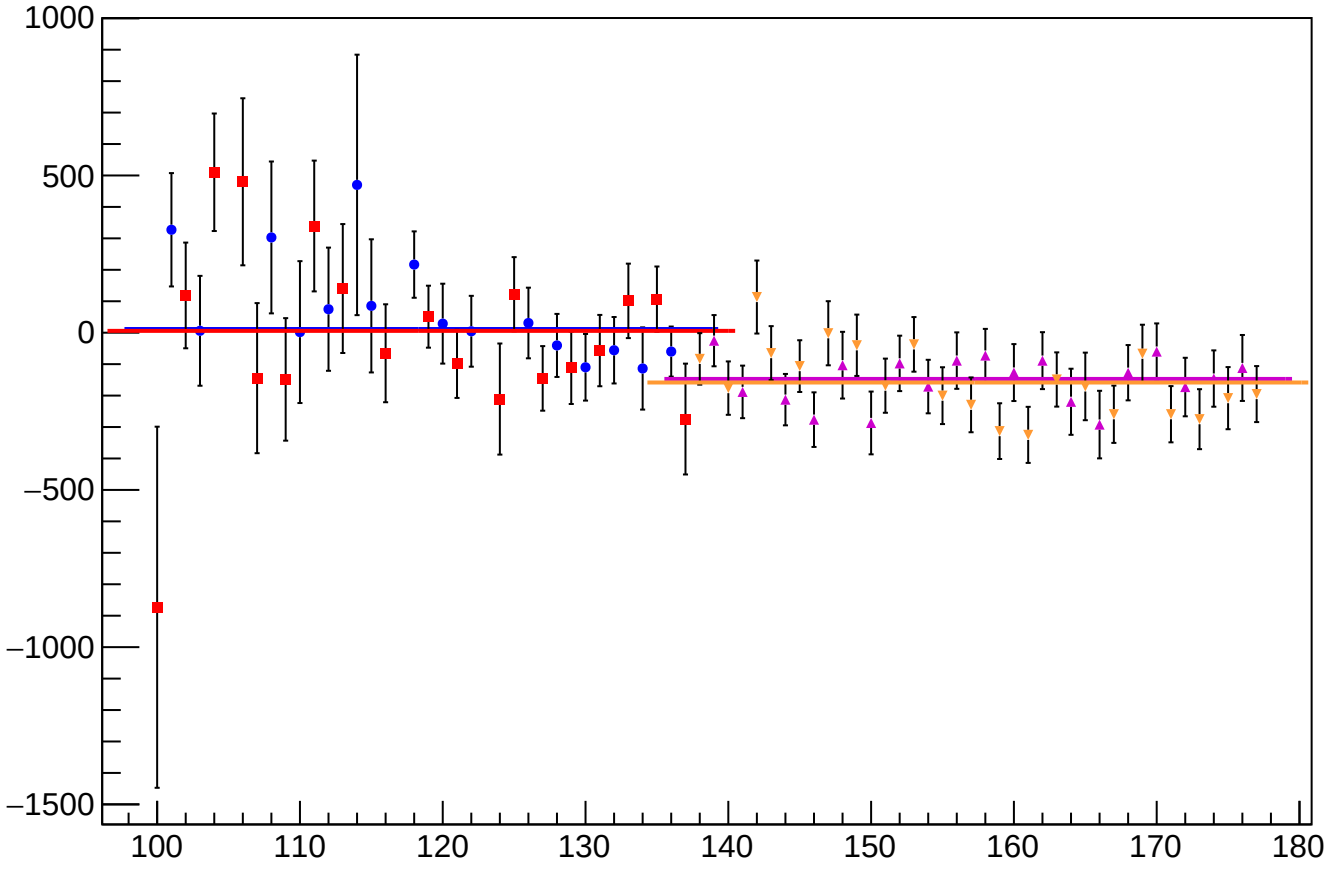
Left: 331.791+/-0.042 χ^2/NDF: 1420458.1/39

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 344.755+/-0.053 χ^2/NDF:3480734.9/34

Out: 351.623+/-0.053 χ^2/NDF:3412343.1/39

All: 348.226+/-0.037 χ^2/NDF: 6901470.1/74



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -158.378+/-19.826 χ^2/NDF:26.6/20

Right Out: 5.817+/-32.444 χ^2/NDF: 28.8/18

Left In: -147.039+/-20.844 χ^2/NDF:13.0/18

Left: -152.992+/-14.365 χ^2/NDF: 39.8/39

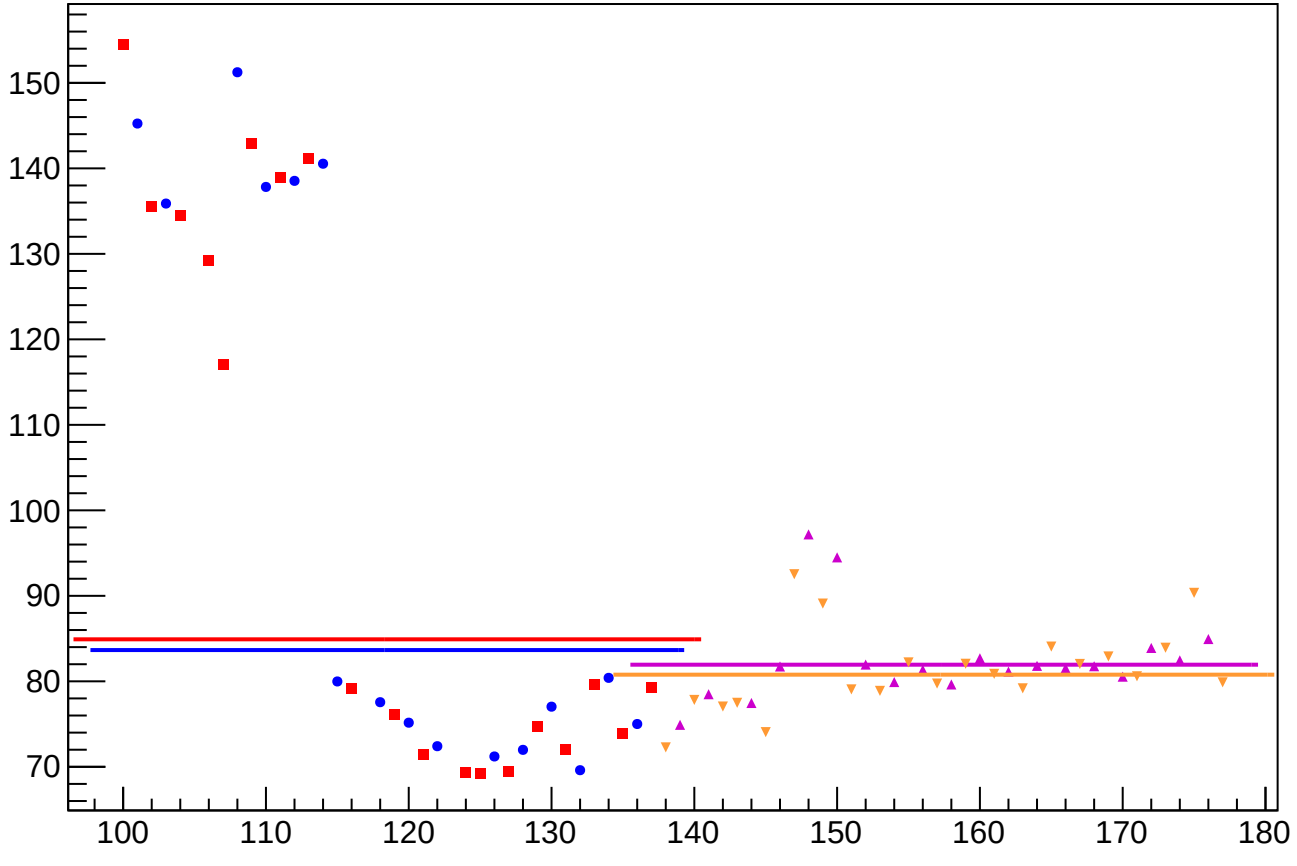
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -100.378+/-17.513 χ^2/NDF:43.6/34

Out: -113.735+/-16.917 χ^2/NDF:74.0/39

All: -107.287+/-12.168 χ^2/NDF: 117.9/74

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 80.778+/-0.014 χ^2/NDF:111605.7/20

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

Left In: 81.944+/-0.015 χ^2/NDF:103379.3/18

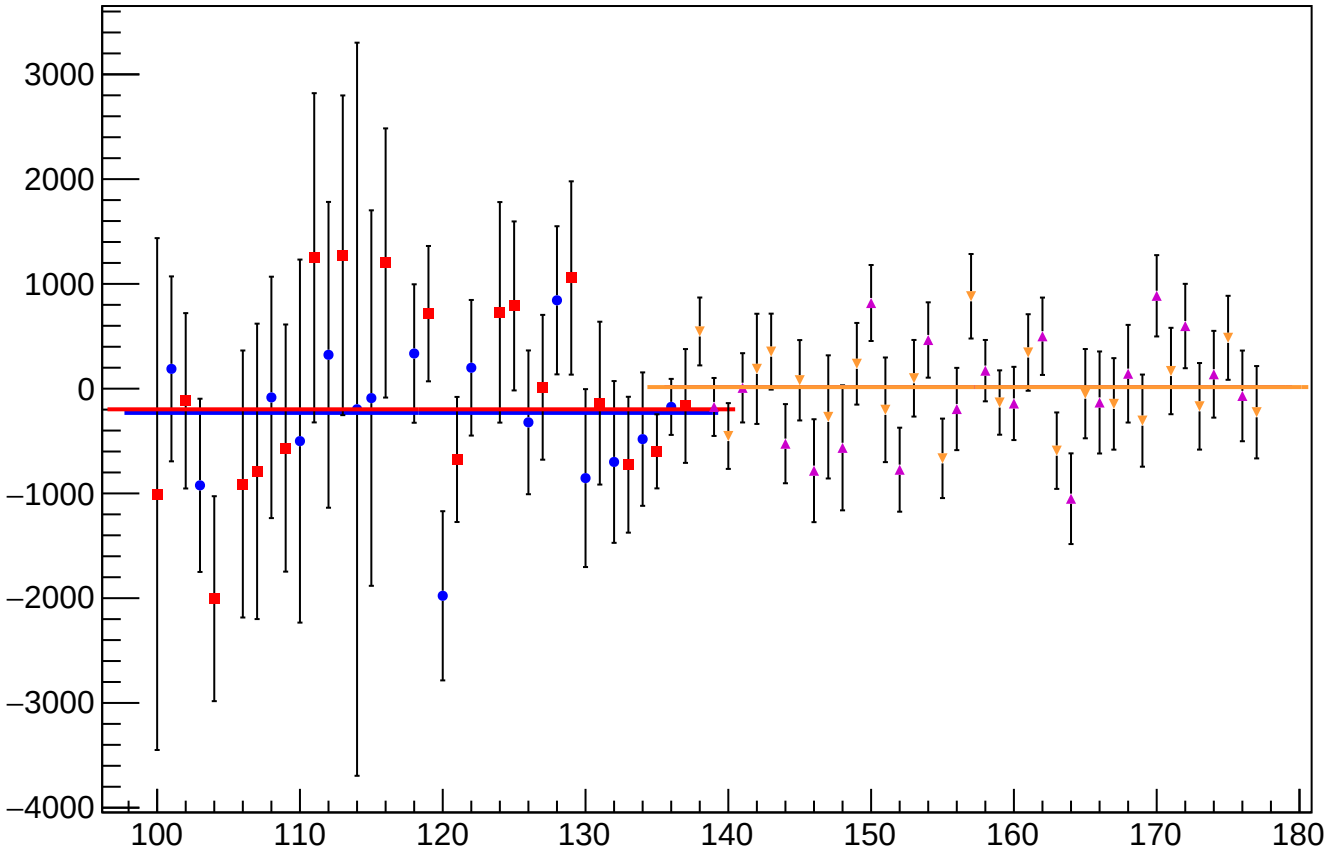
Left: 81.332+/-0.010 χ^2/NDF: 218272.6/39

Right: 84.282+/-0.016 χ^2/NDF: 2157969.4/34

In: 82.448+/-0.012 χ^2/NDF:1142144.2/34

Out: 81.902+/-0.012 χ^2/NDF:1256929.1/39

All: 82.166+/-0.009 χ^2/NDF: 2400077.7/74



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 14.977+/-85.631 χ^2/NDF:21.1/20

Right Out: -197.206+/-176.091 χ^2/NDF: 15.9/18

Left In: 15.674+/-87.867 χ^2/NDF:32.4/18

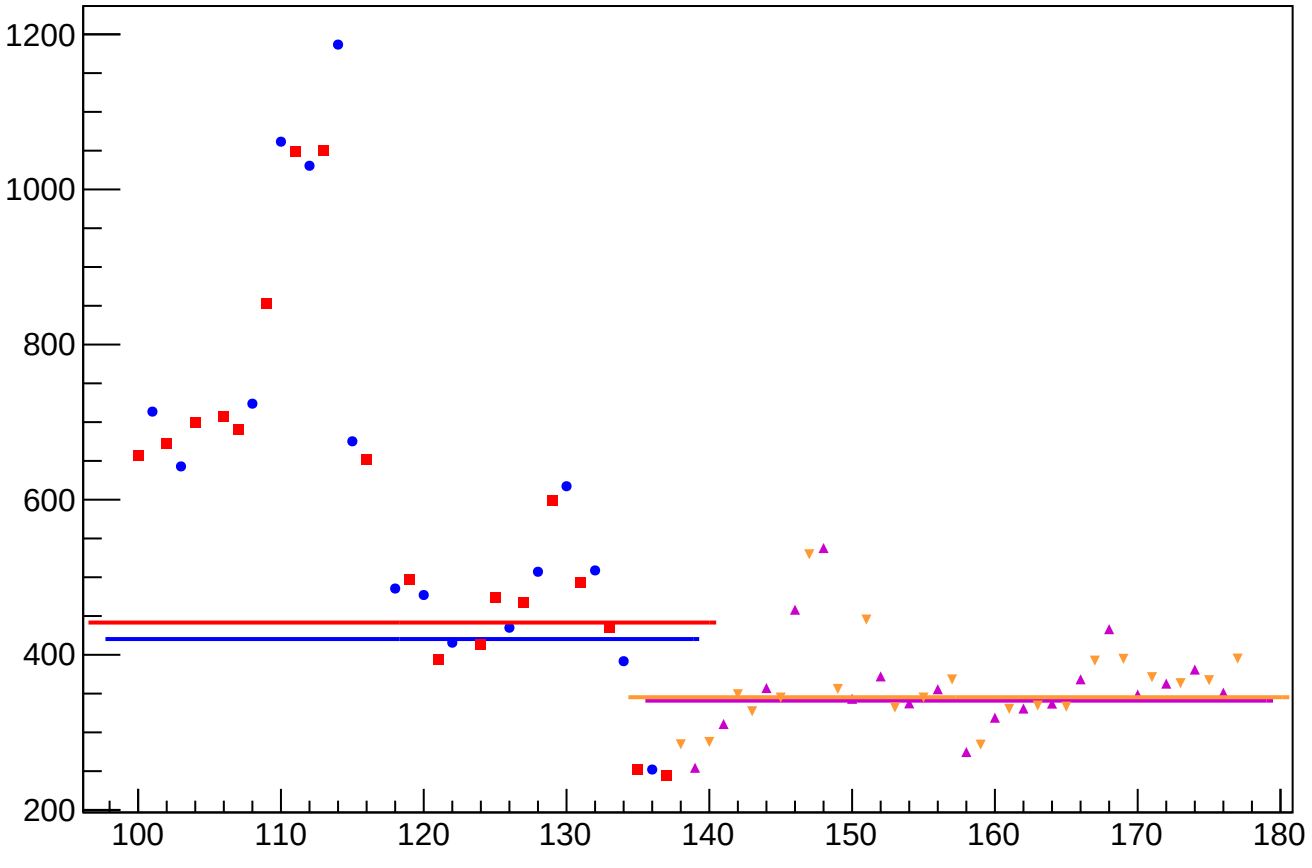
Left: 15.316+/-61.326 χ^2/NDF: 53.5/39

Right: -214.895+/-122.354 χ^2/NDF: 26.3/34

In: -36.353+/-78.070 χ^2/NDF:44.5/34

Out: -25.604+/-77.009 χ^2/NDF:38.1/39

All: -30.905+/-54.825 χ^2/NDF: 82.6/74



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 345.304+/-0.061 χ^2/NDF:608217.9/20

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

Left In: 340.903+/-0.062 χ^2/NDF:785626.1/18

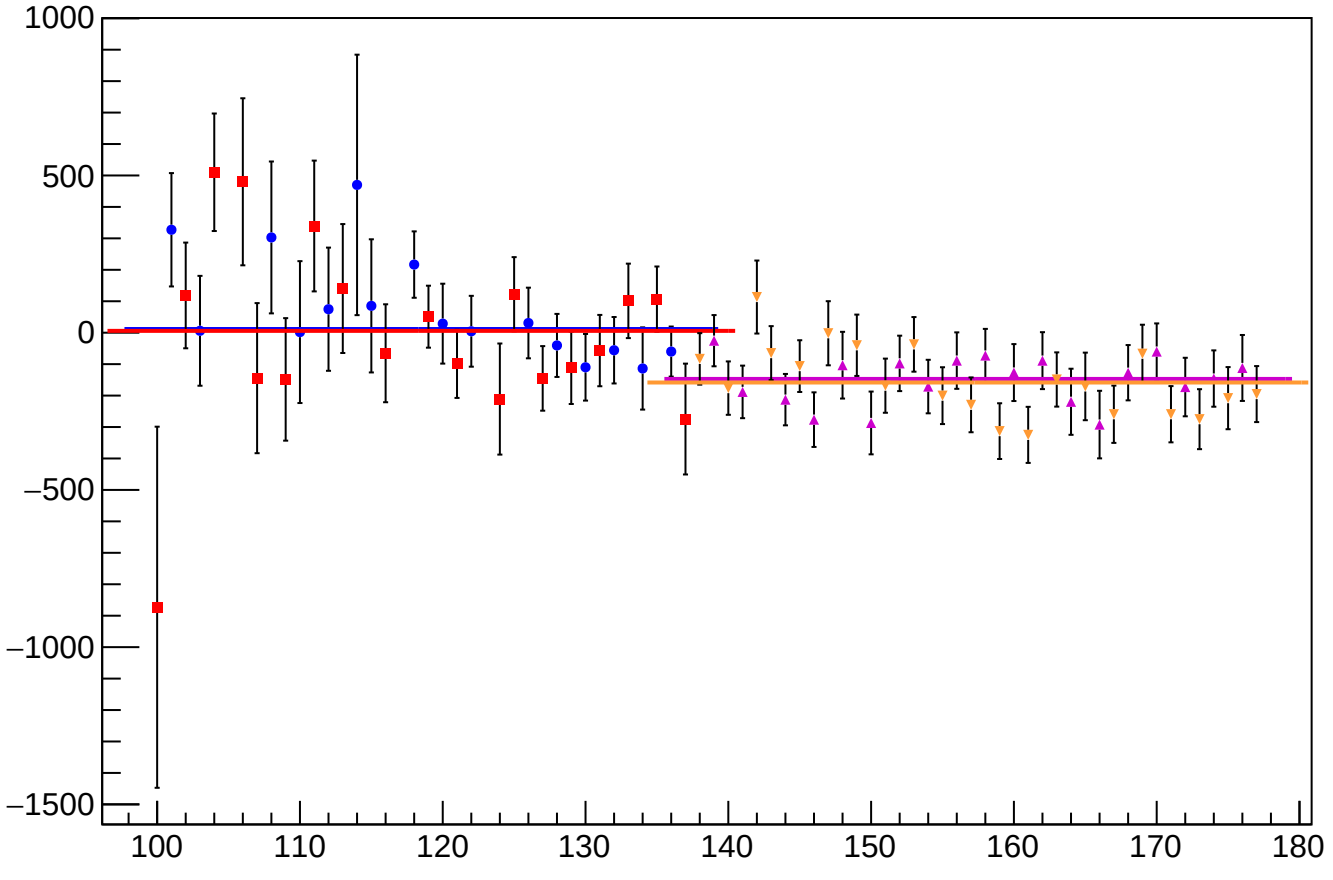
Left: 343.160+/-0.043 χ^2/NDF: 1396417.5/39

Right: 430.598+/-0.087 χ^2/NDF: 4577288.4/34

In: 357.628+/-0.055 χ^2/NDF:3384347.0/34

Out: 363.720+/-0.054 χ^2/NDF:3399492.0/39

All: 360.716+/-0.039 χ^2/NDF: 6790013.0/74



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -158.378+/-19.826 χ^2/NDF:26.6/20

Right Out: 5.816+/-32.444 χ^2/NDF: 28.8/18

Left In: -147.040+/-20.844 χ^2/NDF:13.0/18

Left: -152.992+/-14.365 χ^2/NDF: 39.8/39

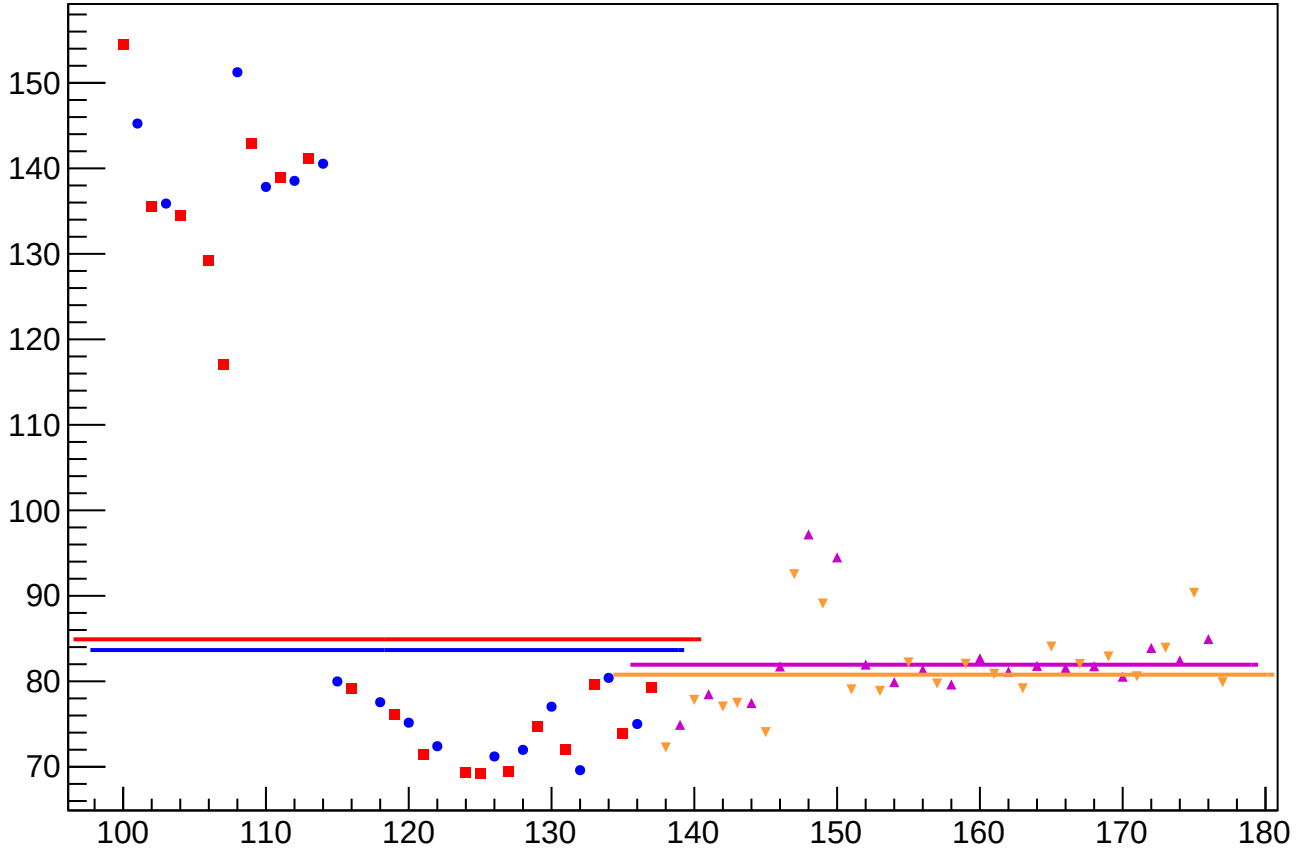
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -100.378+/-17.513 χ^2/NDF:43.6/34

Out: -113.735+/-16.917 χ^2/NDF:74.0/39

All: -107.287+/-12.168 χ^2/NDF: 117.9/74

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 80.778+/-0.014 χ^2/NDF:111605.1/20

Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 81.944+/-0.015 χ^2/NDF:103378.4/18

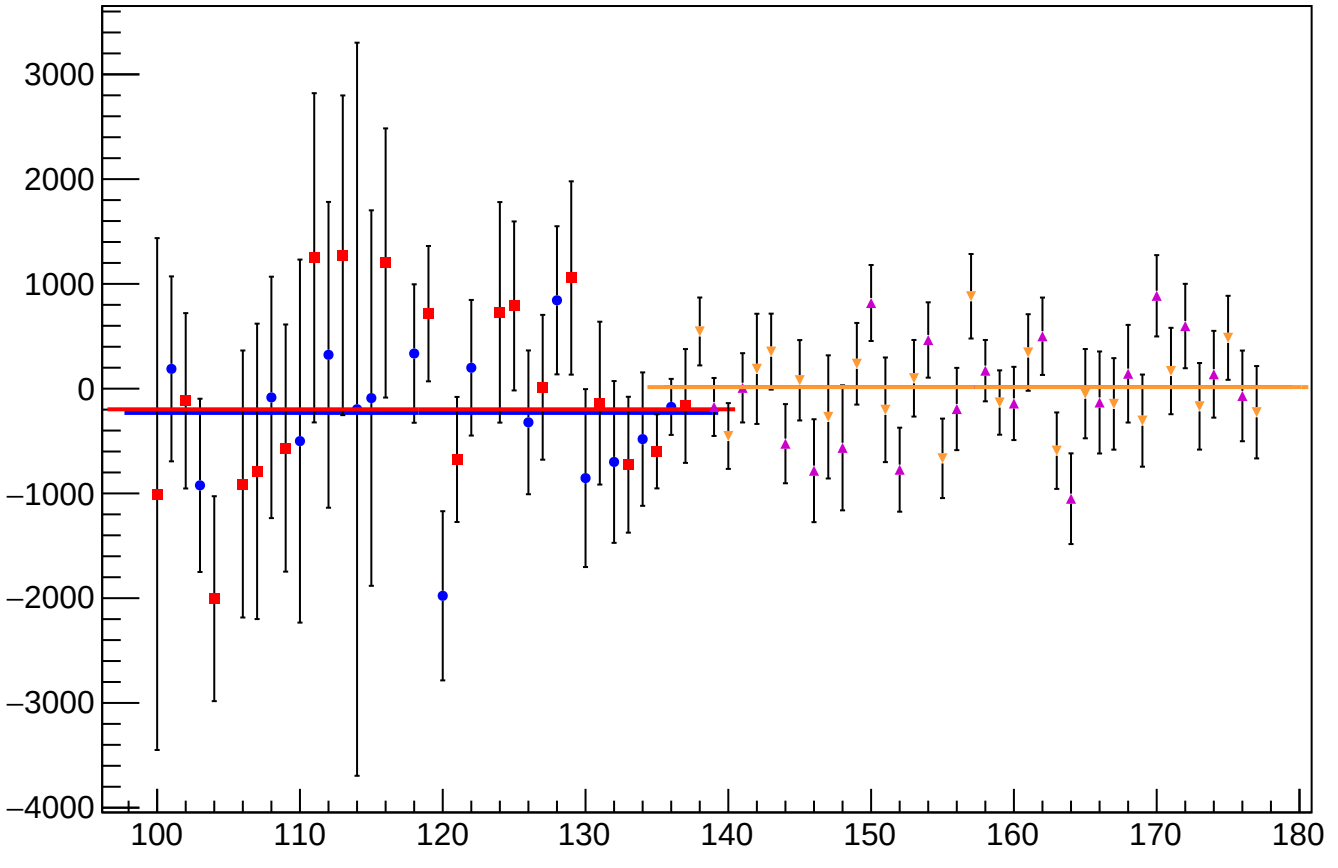
Left: 81.332+/-0.010 χ^2/NDF: 218271.2/39

Right: 84.282+/-0.016 χ^2/NDF: 2157967.8/34

In: 82.448+/-0.012 χ^2/NDF:1142142.6/34

Out: 81.902+/-0.012 χ^2/NDF:1256926.8/39

All: 82.166+/-0.009 χ^2/NDF: 2400073.8/74



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 14.977+/-85.631 χ^2/NDF:21.1/20

Right Out: -197.207+/-176.091 χ^2/NDF: 15.9/18

Left In: 15.674+/-87.867 χ^2/NDF:32.4/18

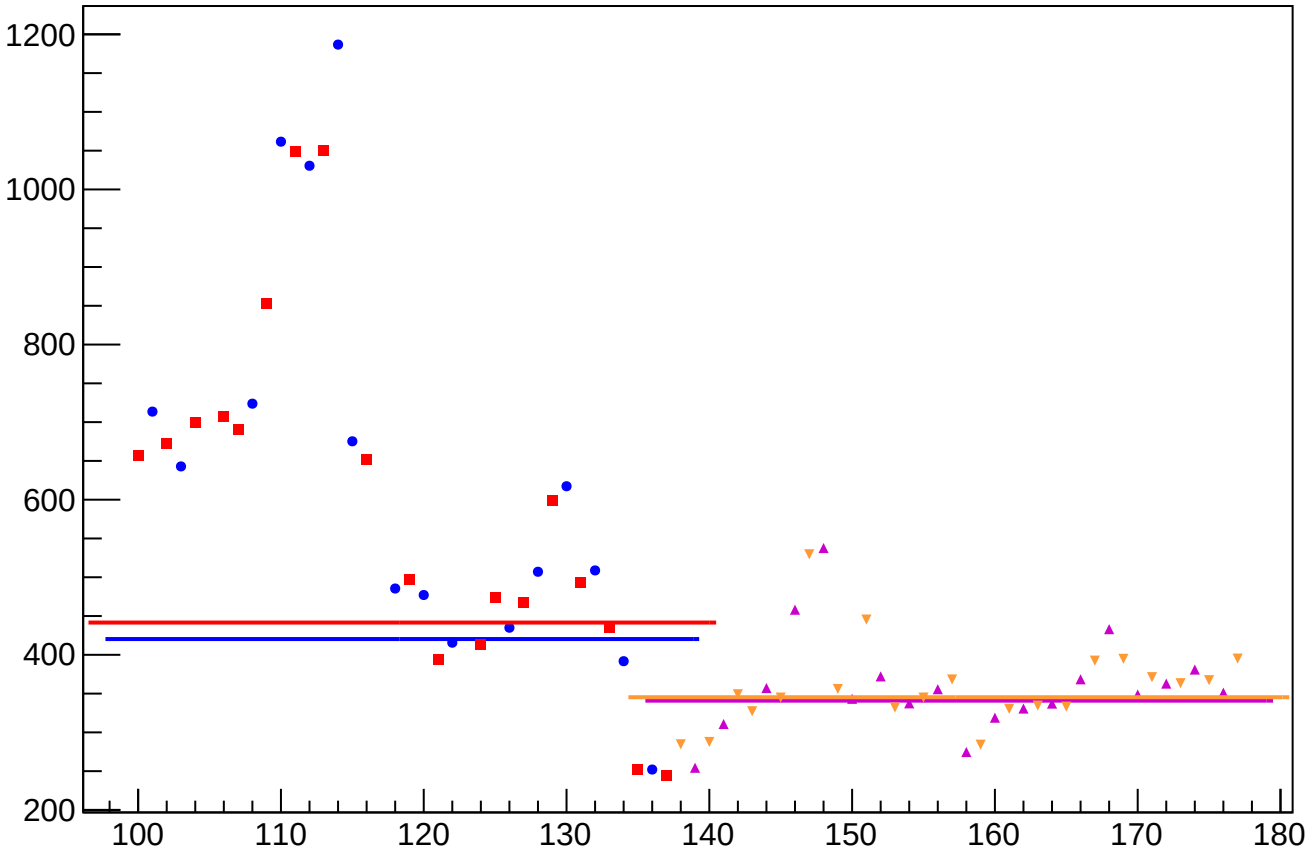
Left: 15.316+/-61.326 χ^2/NDF: 53.5/39

Right: -214.894+/-122.354 χ^2/NDF: 26.3/34

In: -36.353+/-78.070 χ^2/NDF:44.5/34

Out: -25.604+/-77.009 χ^2/NDF:38.1/39

All: -30.905+/-54.825 χ^2/NDF: 82.6/74



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 345.304+/-0.061 χ^2/NDF:608219.1/20

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

Left In: 340.903+/-0.062 χ^2/NDF:785628.7/18

Left: 343.160+/-0.043 χ^2/NDF: 1396421.3/39

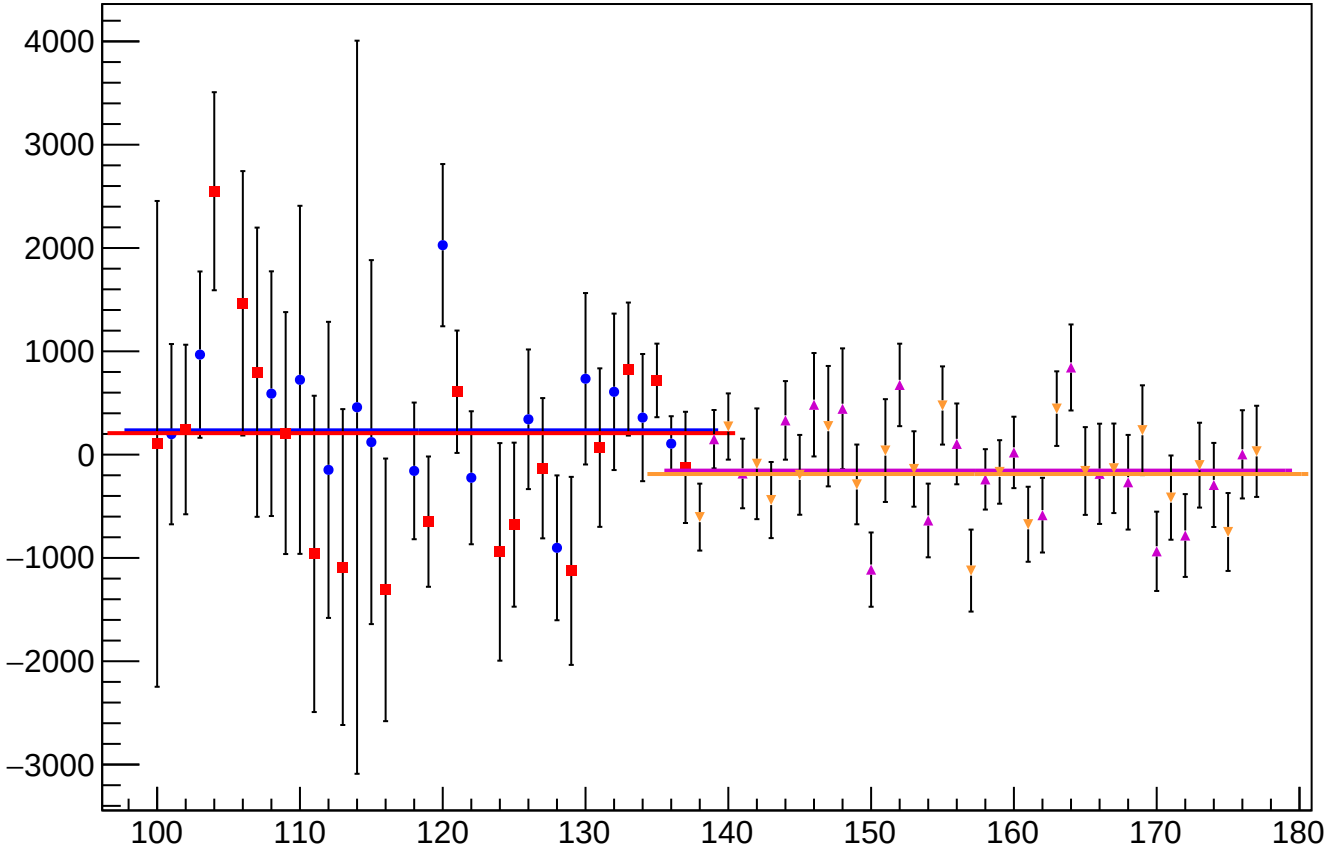
Right: 430.597+/-0.087 χ^2/NDF: 4577299.7/34

In: 357.627+/-0.055 χ^2/NDF:3384350.5/34

Out: 363.720+/-0.054 χ^2/NDF:3399493.7/39

All: 360.715+/-0.039 χ^2/NDF: 6790018.3/74

asym_sam1_mean vs Slug, Sign Corrected



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -187.742+/-85.299 χ^2/NDF:22.4/20

Right Out: 207.936+/-174.716 χ^2/NDF: 20.4/18

Left In: -154.777+/-87.498 χ^2/NDF:33.6/18

Left: -171.678+/-61.078 χ^2/NDF: 56.1/39

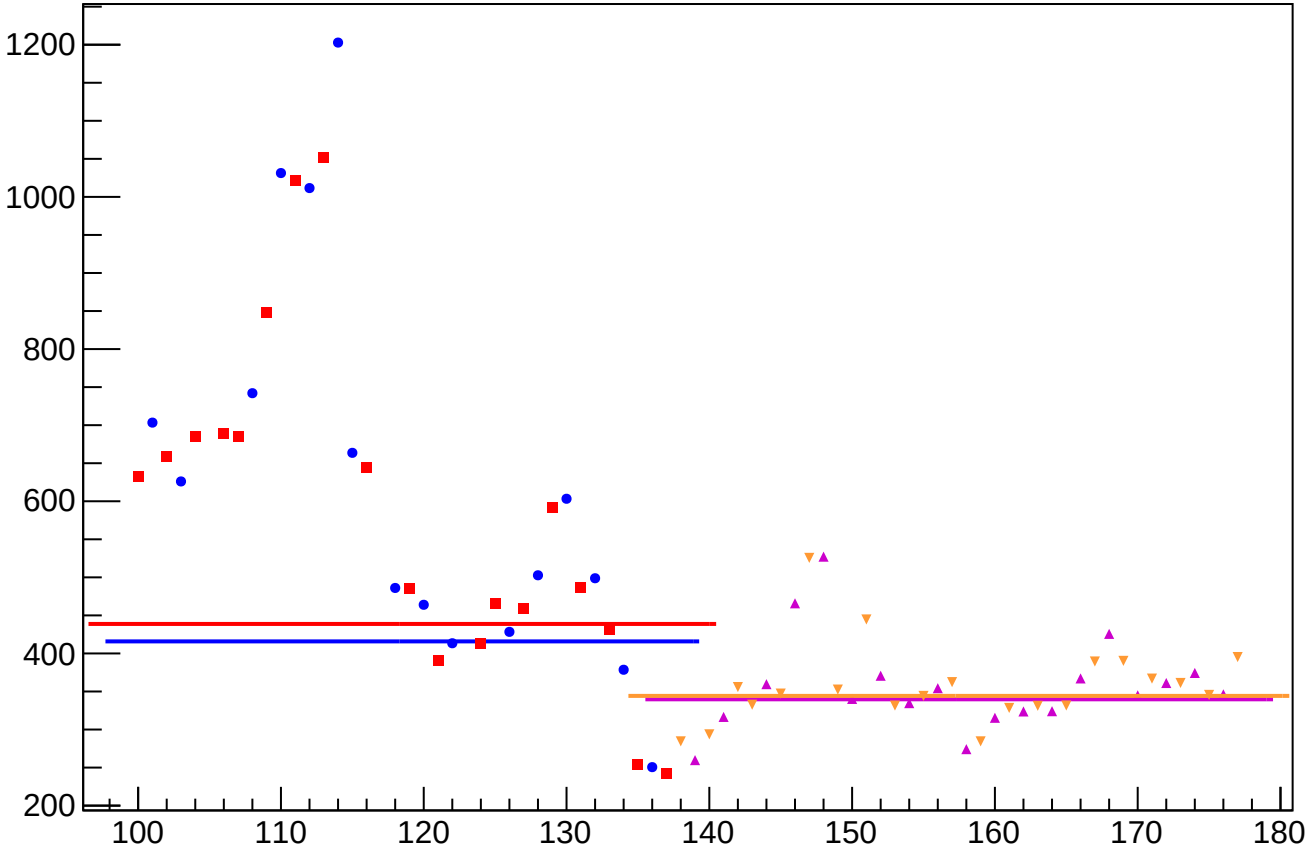
Right: 222.010+/-121.173 χ^2/NDF: 31.1/34

In: -71.751+/-77.623 χ^2/NDF:48.5/34

Out: -111.582+/-76.652 χ^2/NDF:46.9/39

All: -91.917+/-54.541 χ^2/NDF: 95.6/74

asym_sam1_rms vs Slug, Sign Corrected



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 344.220+/-0.060 χ^2/NDF:567790.6/20

Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 339.717+/-0.062 χ^2/NDF:737641.5/18

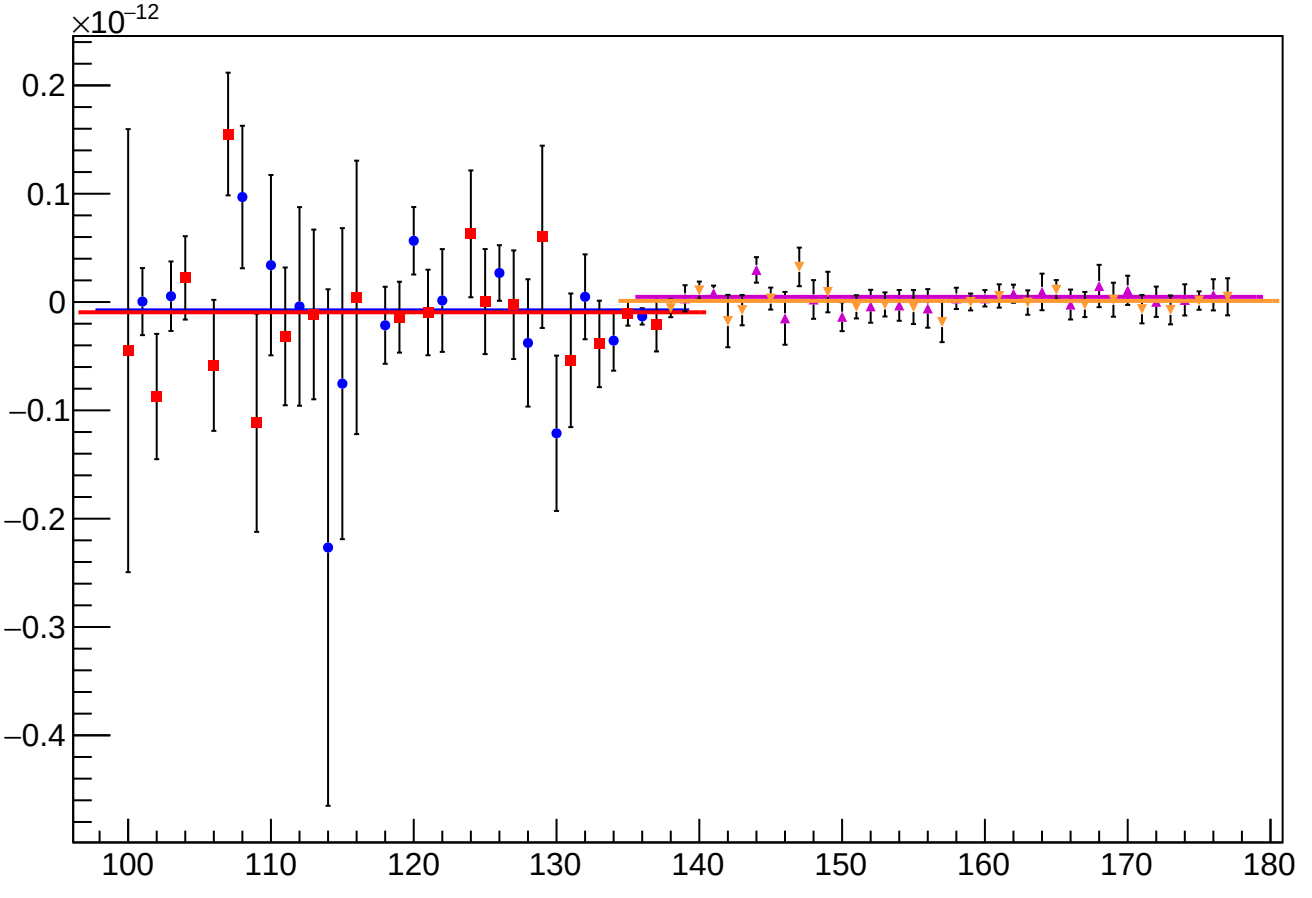
Left: 342.026+/-0.043 χ^2/NDF: 1308148.1/39

Right: 426.871+/-0.086 χ^2/NDF: 4476610.3/34

In: 355.929+/-0.055 χ^2/NDF:3283994.5/34

Out: 362.419+/-0.054 χ^2/NDF:3275579.3/39

All: 359.215+/-0.039 χ^2/NDF: 6566652.2/74



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.3/20

Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:9.4/18

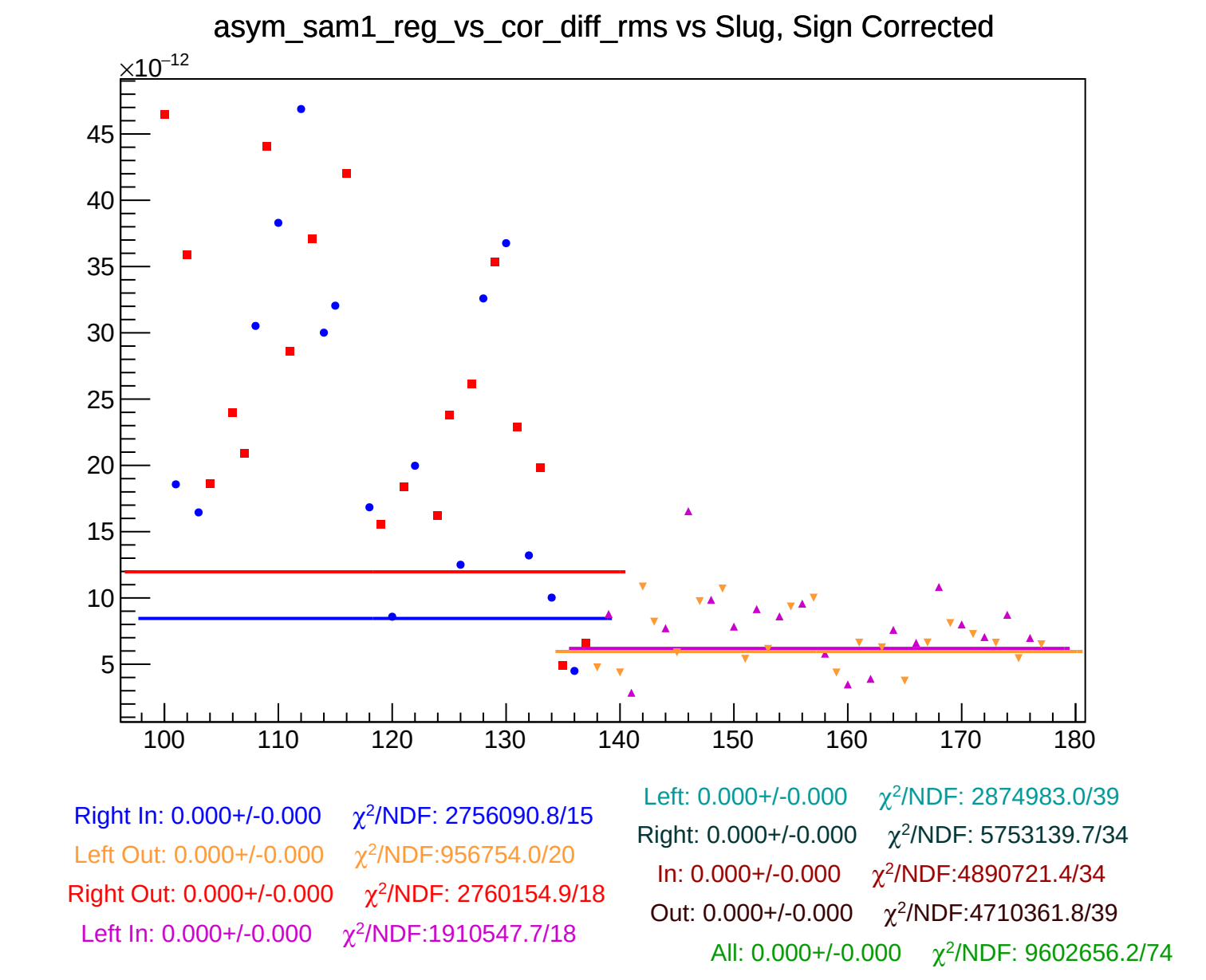
Left: 0.000+/-0.000 χ^2/NDF: 20.7/39

Right: -0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:27.6/34

Out: 0.000+/-0.000 χ^2/NDF:28.2/39

All: 0.000+/-0.000 χ^2/NDF: 56.3/74


asym_sam1_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
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120
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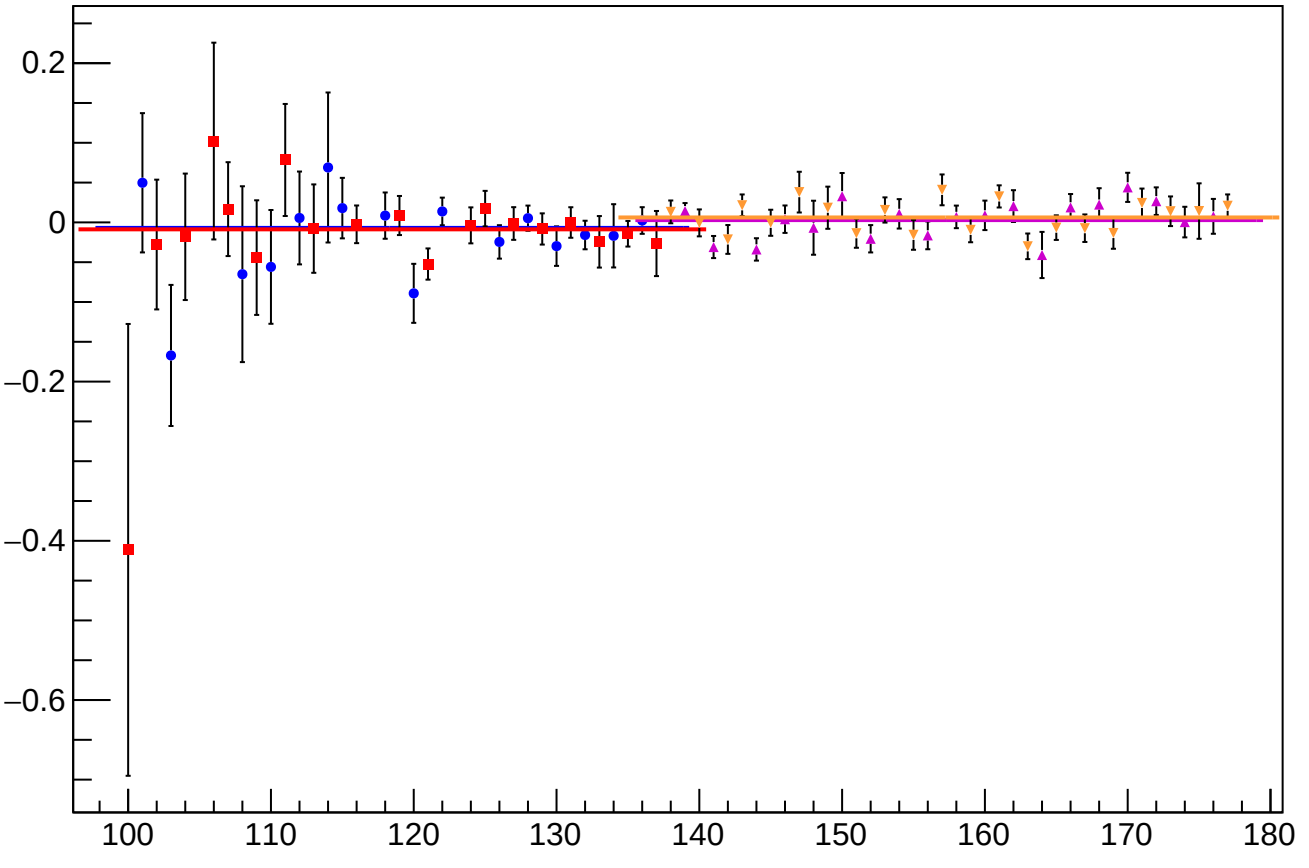
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2756090.8/15
Left Out: 0.000+/-0.000 χ²/NDF:956754.0/20
Right Out: 0.000+/-0.000 χ²/NDF: 2760154.9/18
Left In: 0.000+/-0.000 χ²/NDF:1910547.7/18
Left: 0.000+/-0.000 χ²/NDF: 2874983.0/39
Right: 0.000+/-0.000 χ²/NDF: 5753139.7/34
In: 0.000+/-0.000 χ²/NDF:4890721.4/34
Out: 0.000+/-0.000 χ²/NDF:4710361.8/39
All: 0.000+/-0.000 χ²/NDF: 9602656.2/74



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.004 χ^2/NDF:26.3/20

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.003+/-0.004 χ^2/NDF:30.5/18

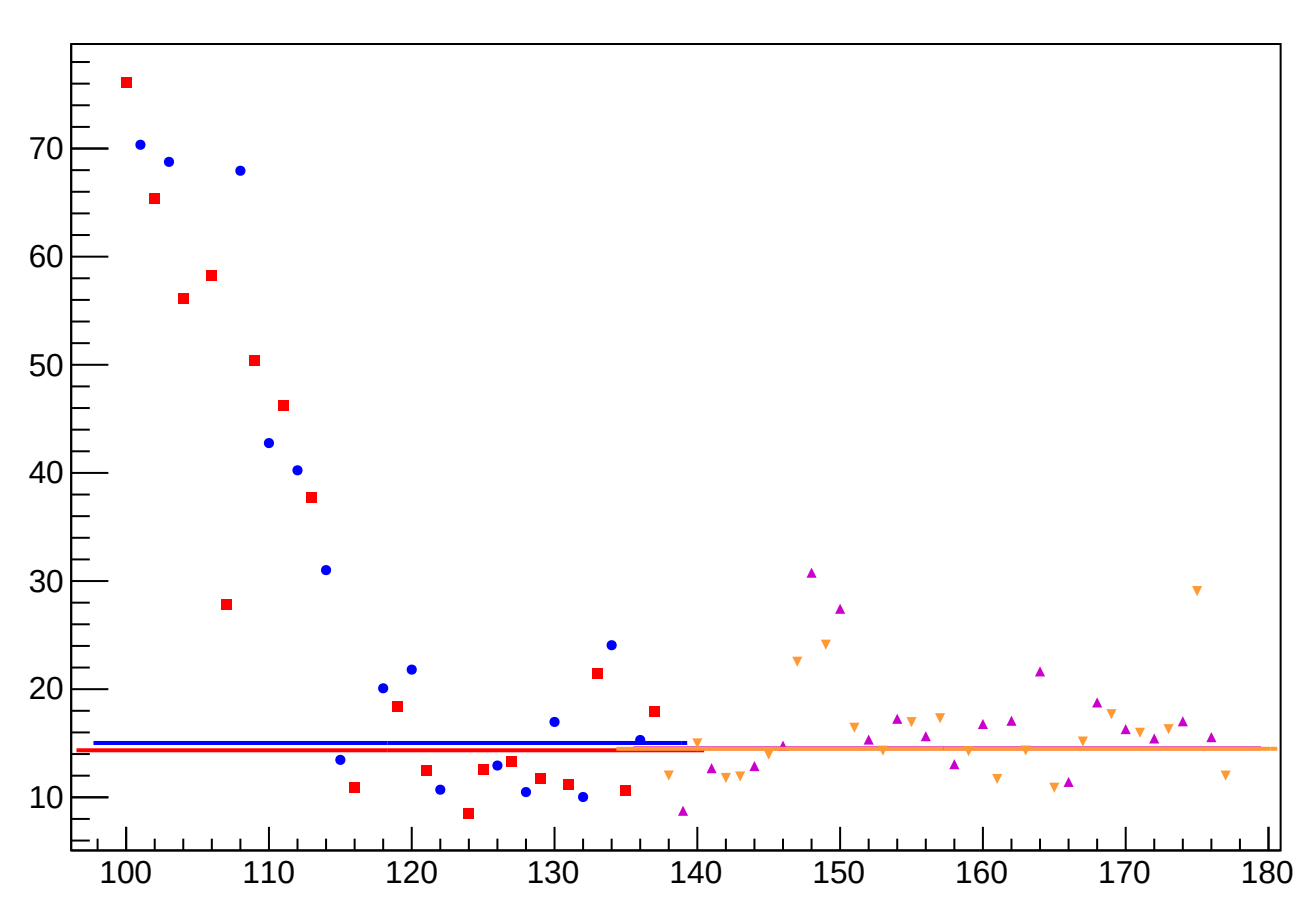
Left: 0.005+/-0.003 χ^2/NDF: 57.2/39

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: 0.000+/-0.003 χ^2/NDF:47.1/34

Out: 0.002+/-0.003 χ^2/NDF:43.0/39

All: 0.001+/-0.002 χ^2/NDF: 90.2/74



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.489+/-0.003 χ^2/NDF:1429707.0/20

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 14.529+/-0.003 χ^2/NDF:2052218.4/18

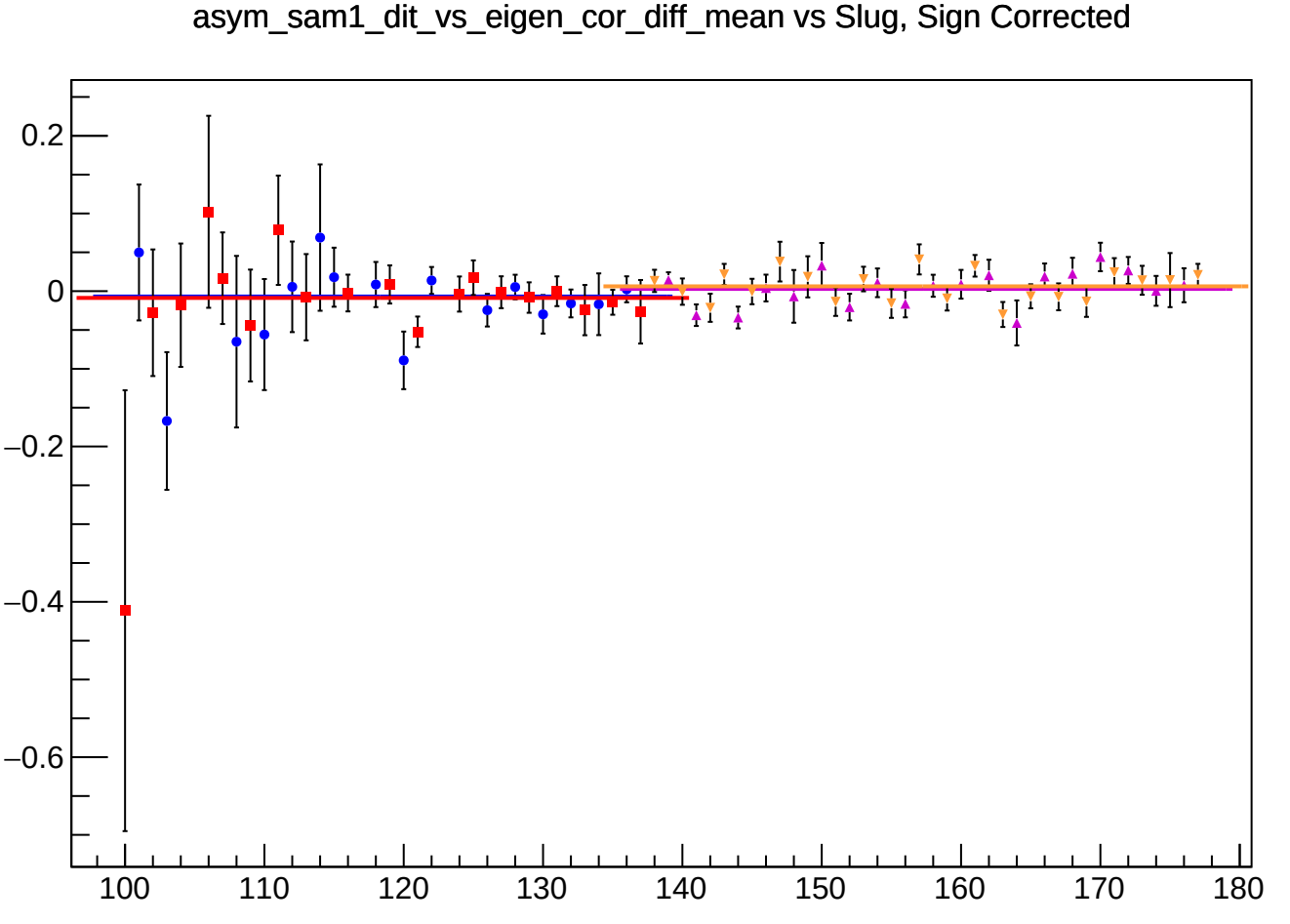
Left: 14.508+/-0.002 χ^2/NDF: 3482032.4/39

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 14.656+/-0.002 χ^2/NDF:5498578.6/34

Out: 14.453+/-0.002 χ^2/NDF:5059440.7/39

All: 14.549+/-0.002 χ^2/NDF: 10561769.8/74



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.004 χ^2/NDF:26.3/20

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.003+/-0.004 χ^2/NDF:30.5/18

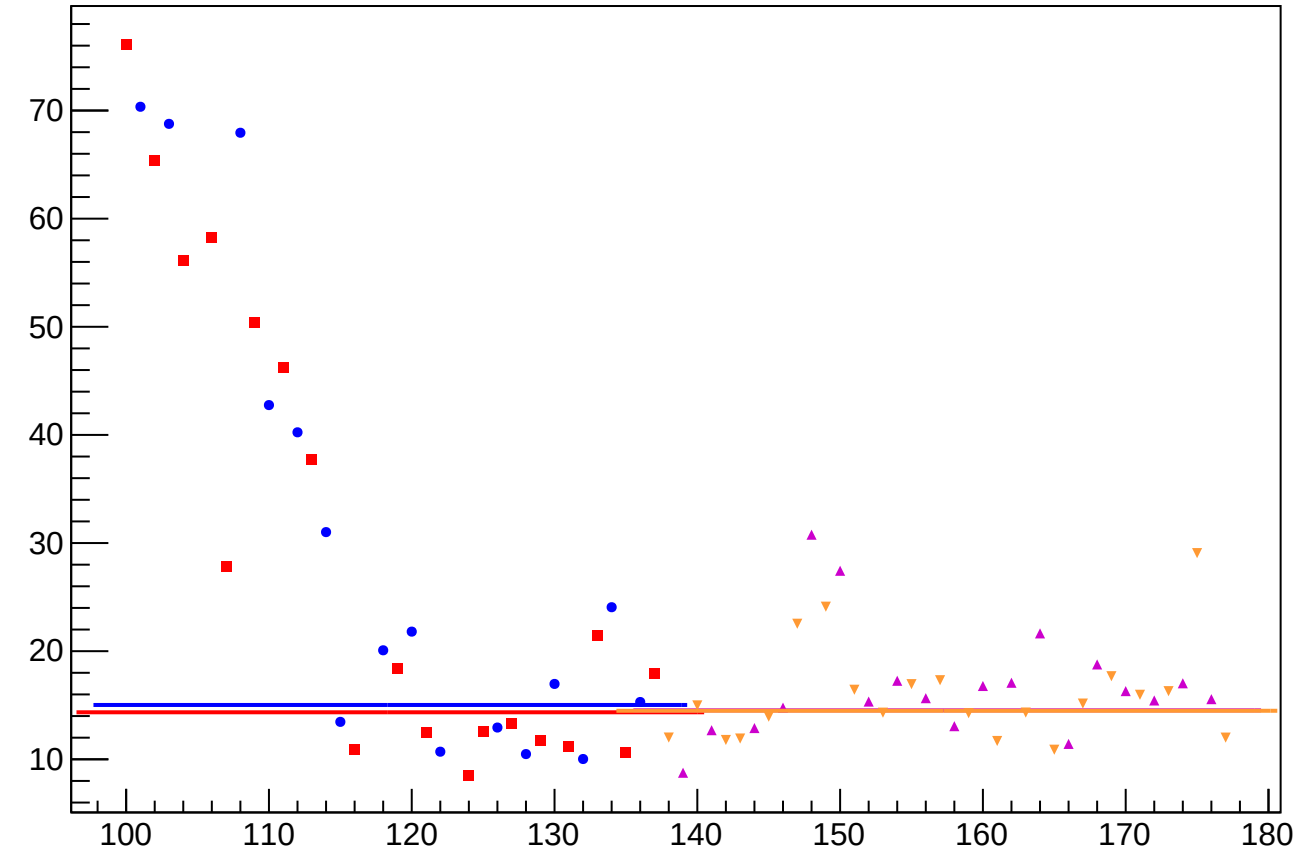
Left: 0.005+/-0.003 χ^2/NDF: 57.2/39

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: 0.000+/-0.003 χ^2/NDF:47.1/34

Out: 0.002+/-0.003 χ^2/NDF:43.0/39

All: 0.001+/-0.002 χ^2/NDF: 90.2/74



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.489+/-0.003 χ^2/NDF:1429707.0/20

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 14.529+/-0.003 χ^2/NDF:2052218.4/18

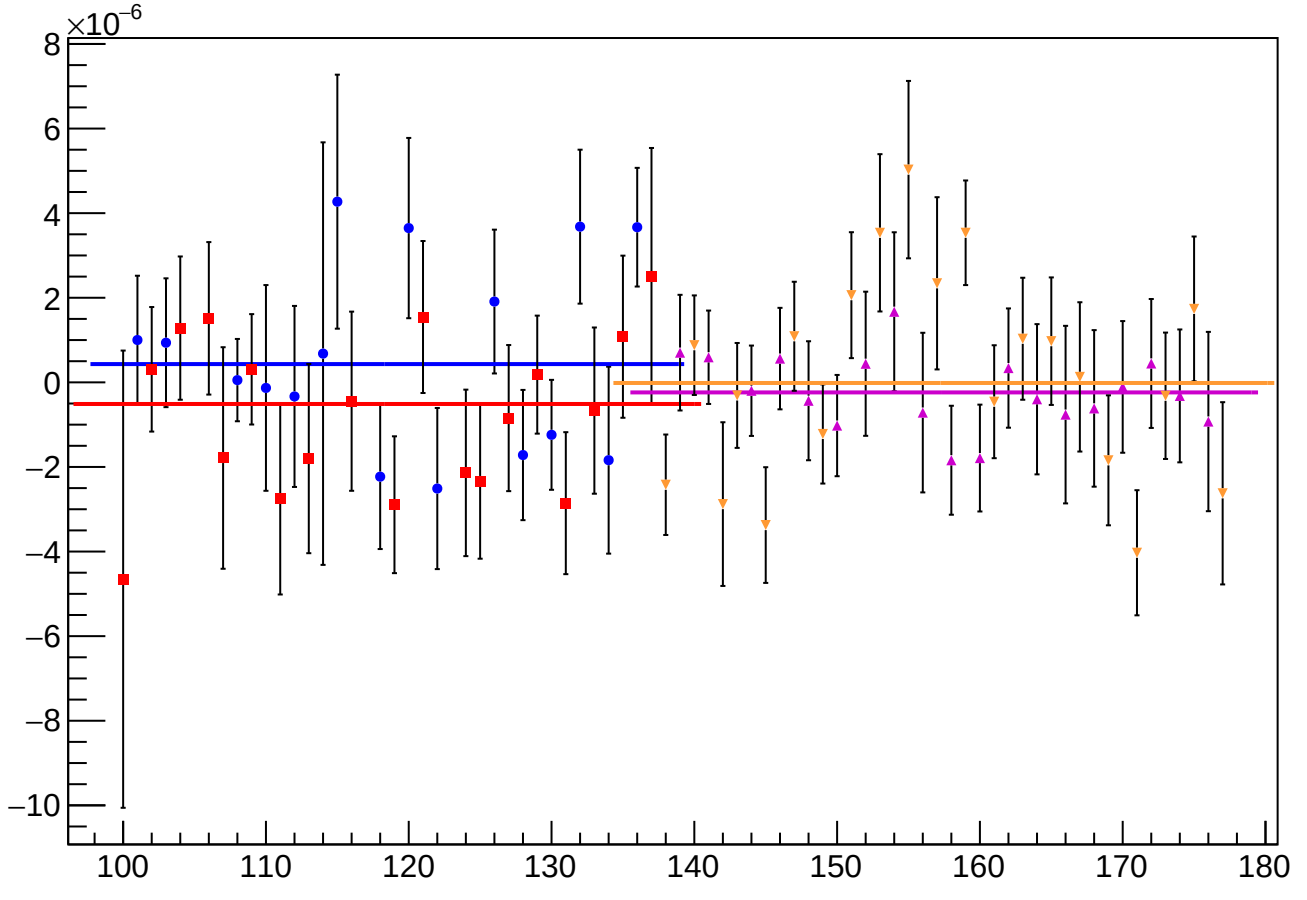
Left: 14.508+/-0.002 χ^2/NDF: 3482032.4/39

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 14.656+/-0.002 χ^2/NDF:5498578.6/34

Out: 14.453+/-0.002 χ^2/NDF:5059440.7/39

All: 14.549+/-0.002 χ^2/NDF: 10561769.8/74



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:48.1/20

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:6.8/18

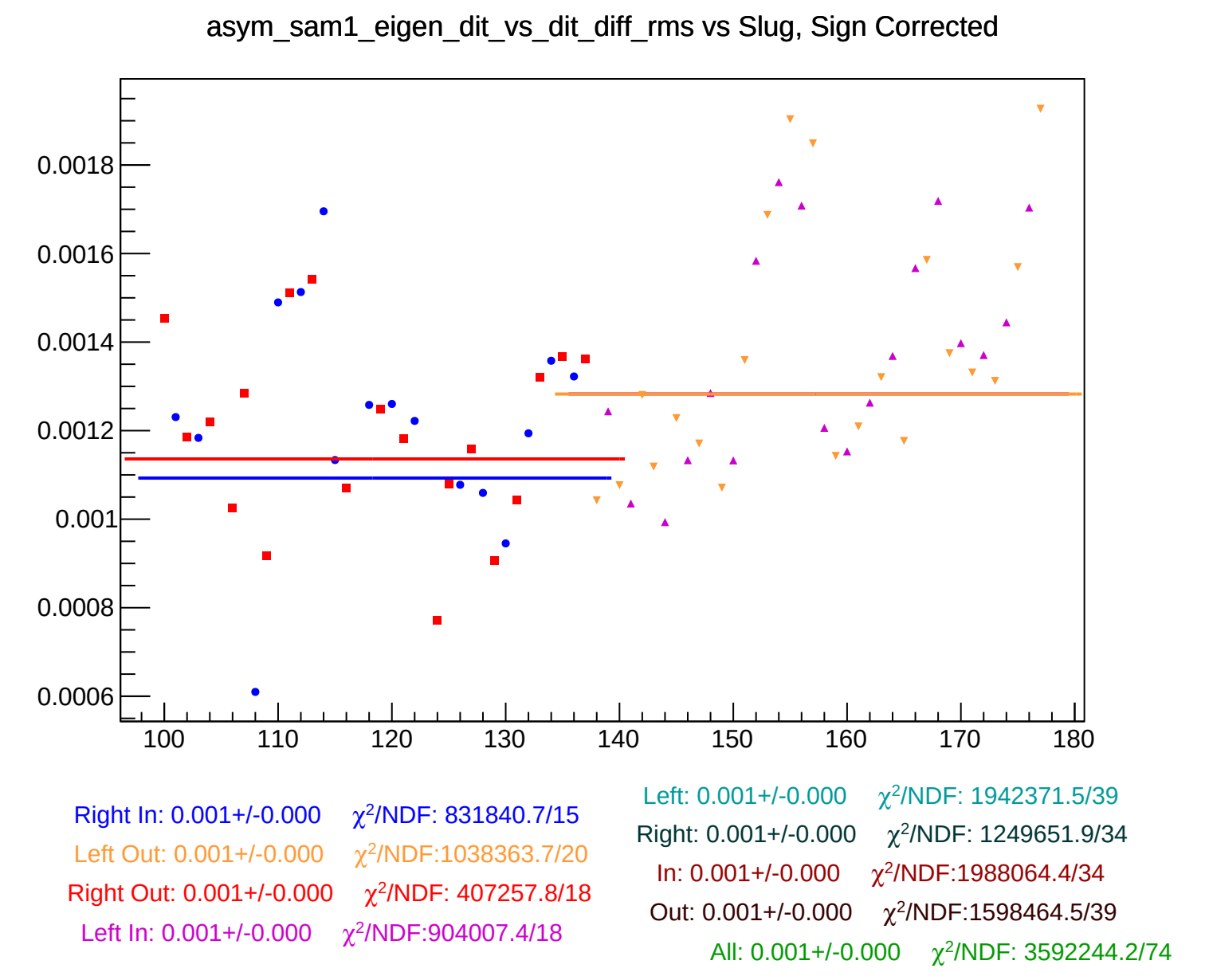
Left: -0.000+/-0.000 χ^2/NDF: 55.2/39

Right: -0.000+/-0.000 χ^2/NDF: 40.0/34

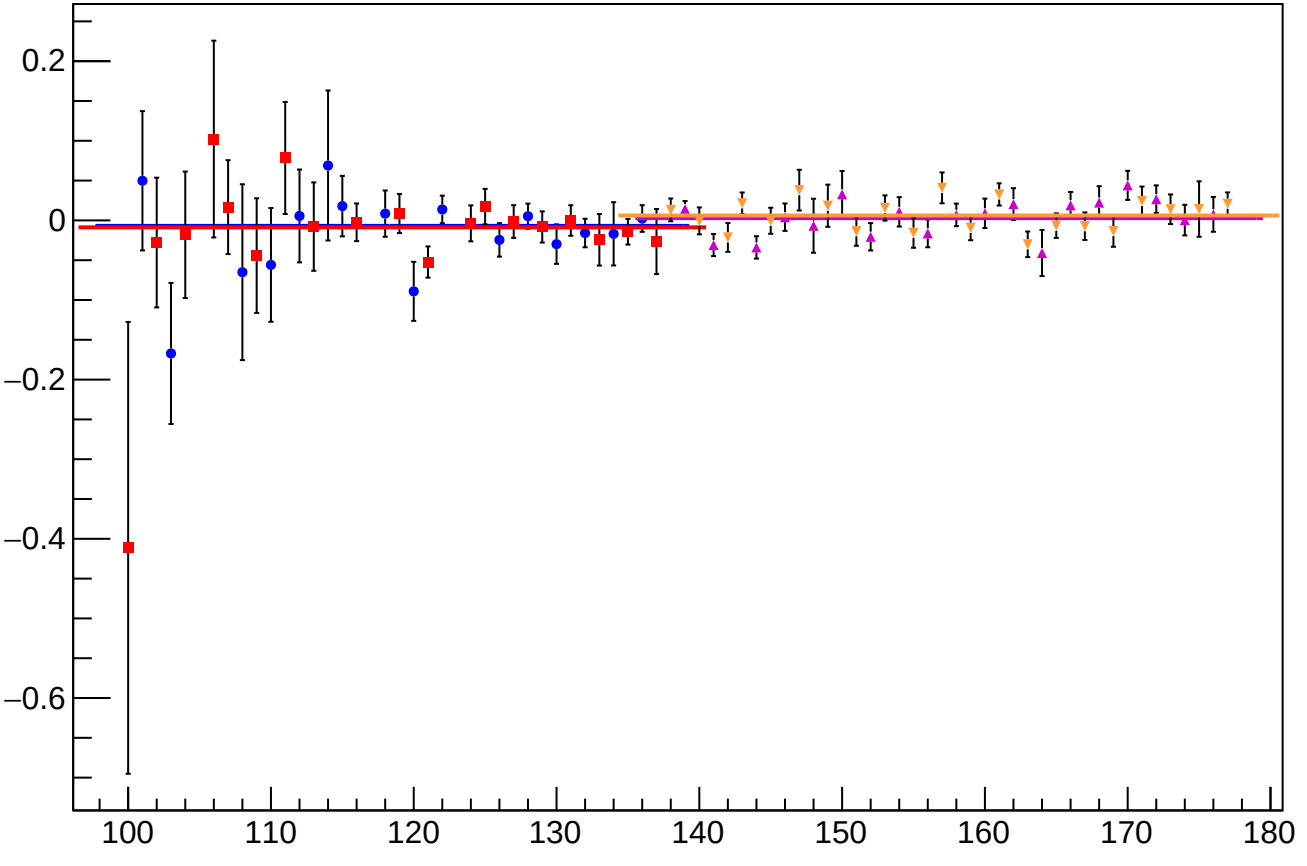
In: 0.000+/-0.000 χ^2/NDF:31.6/34

Out: -0.000+/-0.000 χ^2/NDF:63.3/39

All: -0.000+/-0.000 χ^2/NDF: 95.3/74


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:1038363.7/20
Right Out: 0.001+/-0.000 χ²/NDF: 407257.8/18
Left In: 0.001+/-0.000 χ²/NDF:904007.4/18
Left: 0.001+/-0.000 χ²/NDF: 1942371.5/39
Right: 0.001+/-0.000 χ²/NDF: 1249651.9/34
In: 0.001+/-0.000 χ²/NDF:1988064.4/34
Out: 0.001+/-0.000 χ²/NDF:1598464.5/39
All: 0.001+/-0.000 χ²/NDF: 3592244.2/74

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.004 χ^2/NDF:26.3/20

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.003+/-0.004 χ^2/NDF:30.5/18

Left: 0.005+/-0.003 χ^2/NDF: 57.2/39

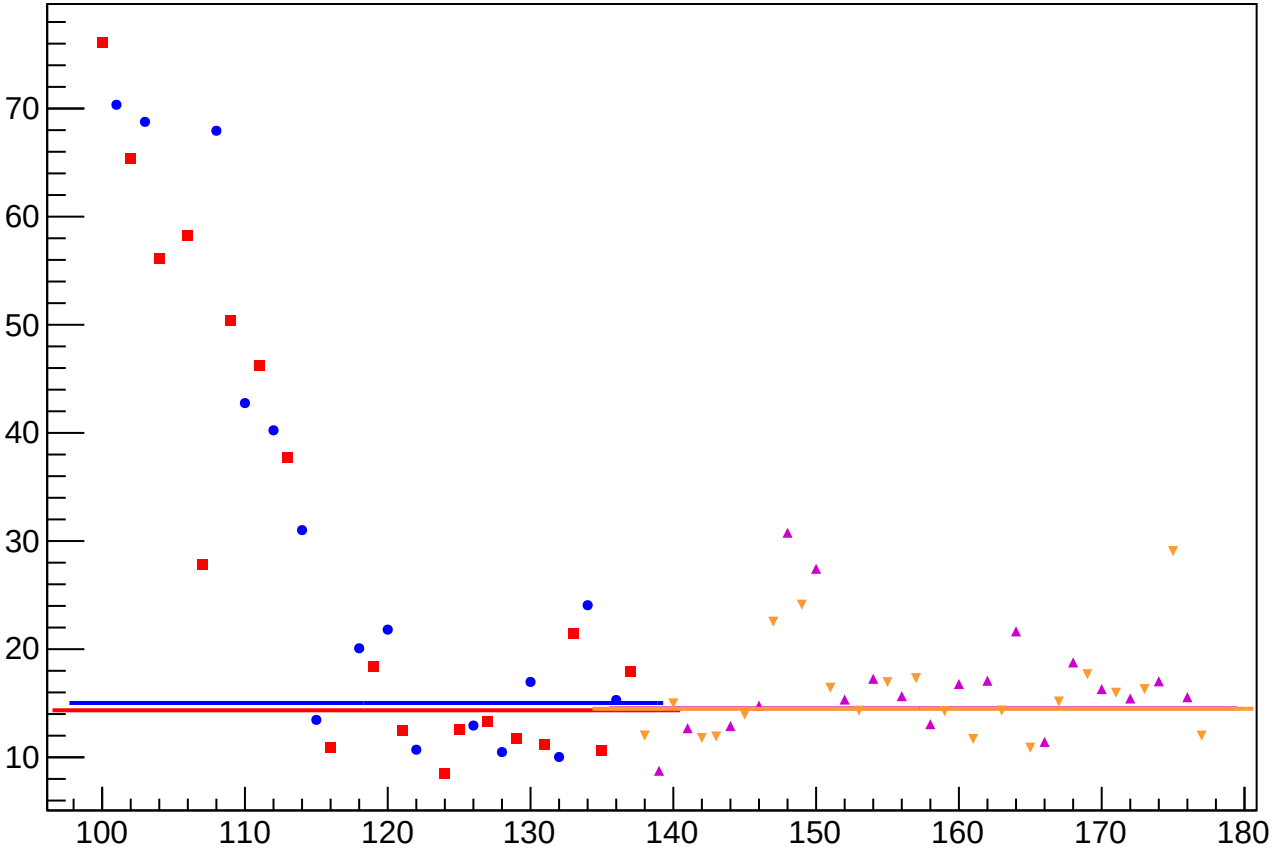
Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: 0.000+/-0.003 χ^2/NDF:47.1/34

Out: 0.002+/-0.003 χ^2/NDF:42.9/39

All: 0.001+/-0.002 χ^2/NDF: 90.2/74

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.488+/-0.003 χ^2/NDF:1429854.7/20

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.528+/-0.003 χ^2/NDF:2052274.6/18

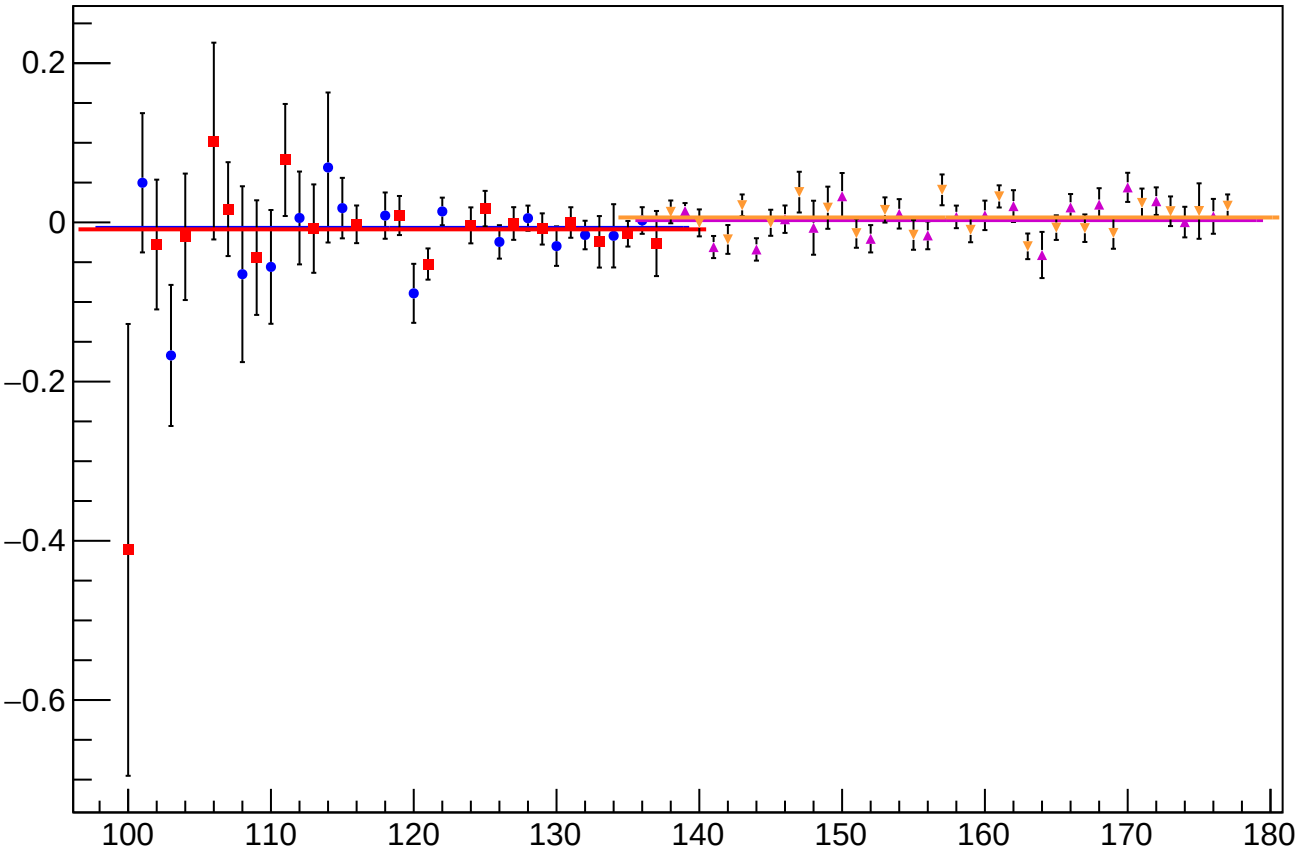
Left: 14.507+/-0.002 χ^2/NDF: 3482236.9/39

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 14.656+/-0.002 χ^2/NDF:5498651.6/34

Out: 14.452+/-0.002 χ^2/NDF:5059577.1/39

All: 14.549+/-0.002 χ^2/NDF: 10561981.2/74



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.006+/-0.004 χ^2/NDF:26.3/20

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.003+/-0.004 χ^2/NDF:30.5/18

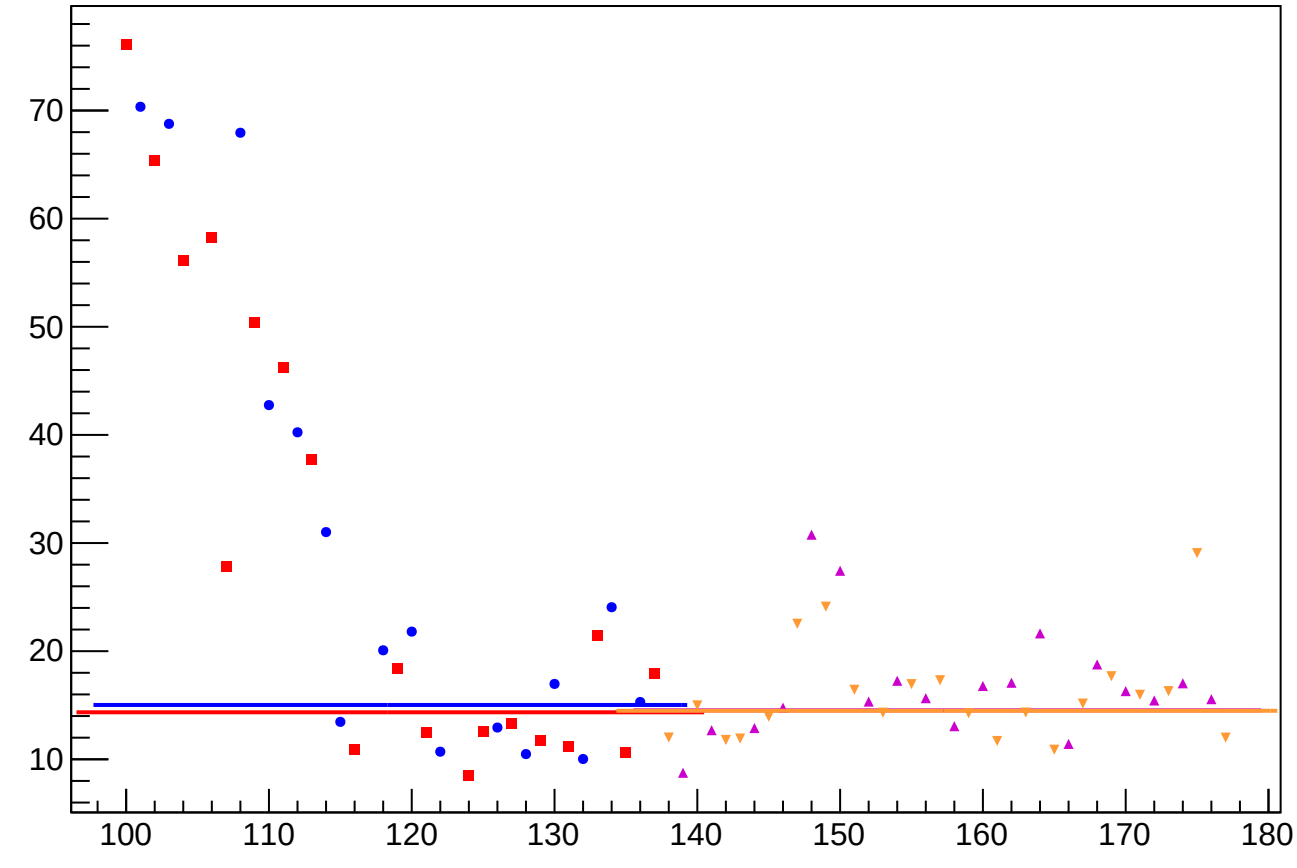
Left: 0.005+/-0.003 χ^2/NDF: 57.2/39

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: 0.000+/-0.003 χ^2/NDF:47.1/34

Out: 0.002+/-0.003 χ^2/NDF:42.9/39

All: 0.001+/-0.002 χ^2/NDF: 90.2/74



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.488+/-0.003 χ^2/NDF:1429854.7/20

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.528+/-0.003 χ^2/NDF:2052274.6/18

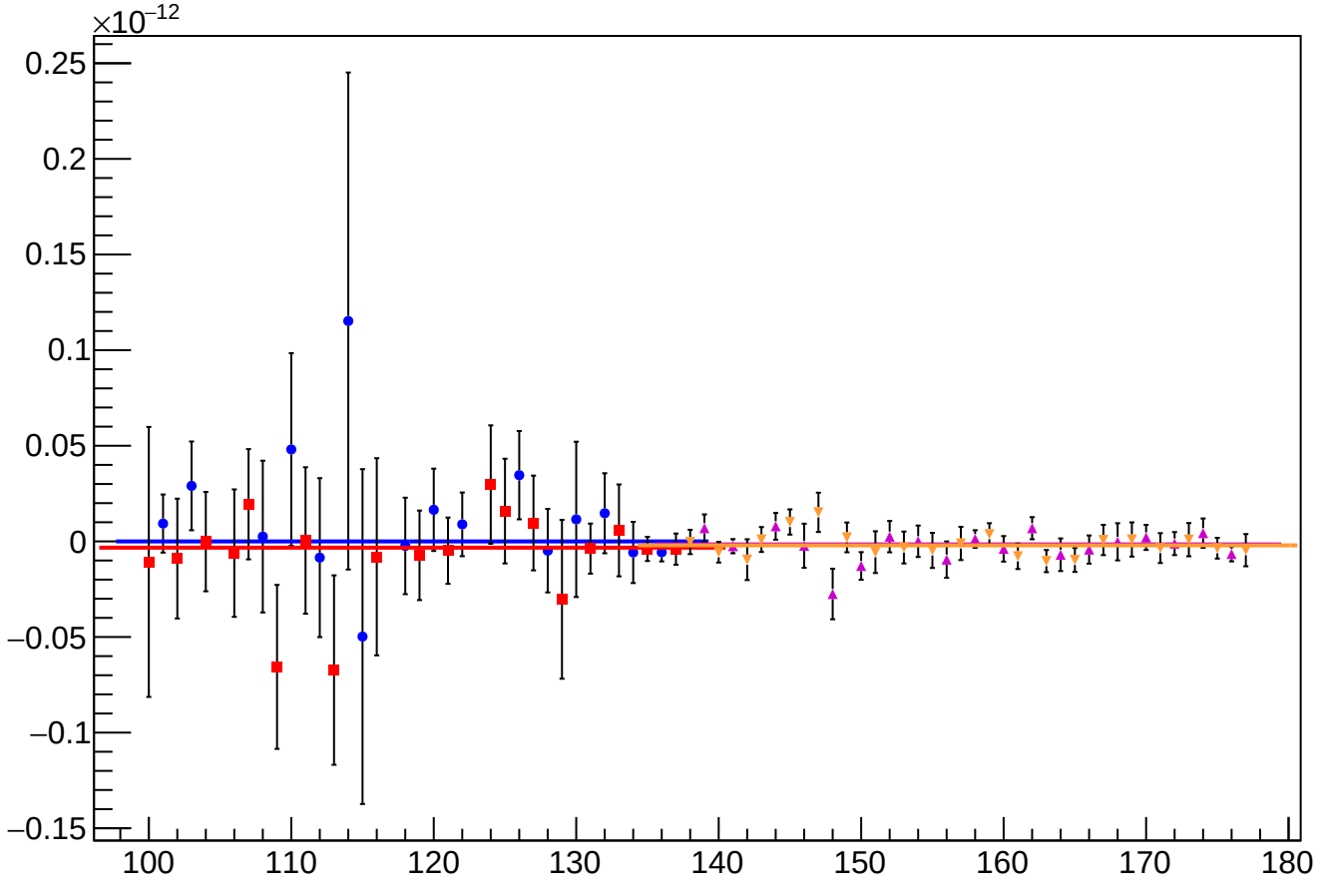
Left: 14.507+/-0.002 χ^2/NDF: 3482236.9/39

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 14.656+/-0.002 χ^2/NDF:5498651.6/34

Out: 14.452+/-0.002 χ^2/NDF:5059577.1/39

All: 14.549+/-0.002 χ^2/NDF: 10561981.2/74



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.8/20

Right Out: -0.000+/-0.000 χ^2/NDF: 7.0/18

Left In: -0.000+/-0.000 χ^2/NDF:16.3/18

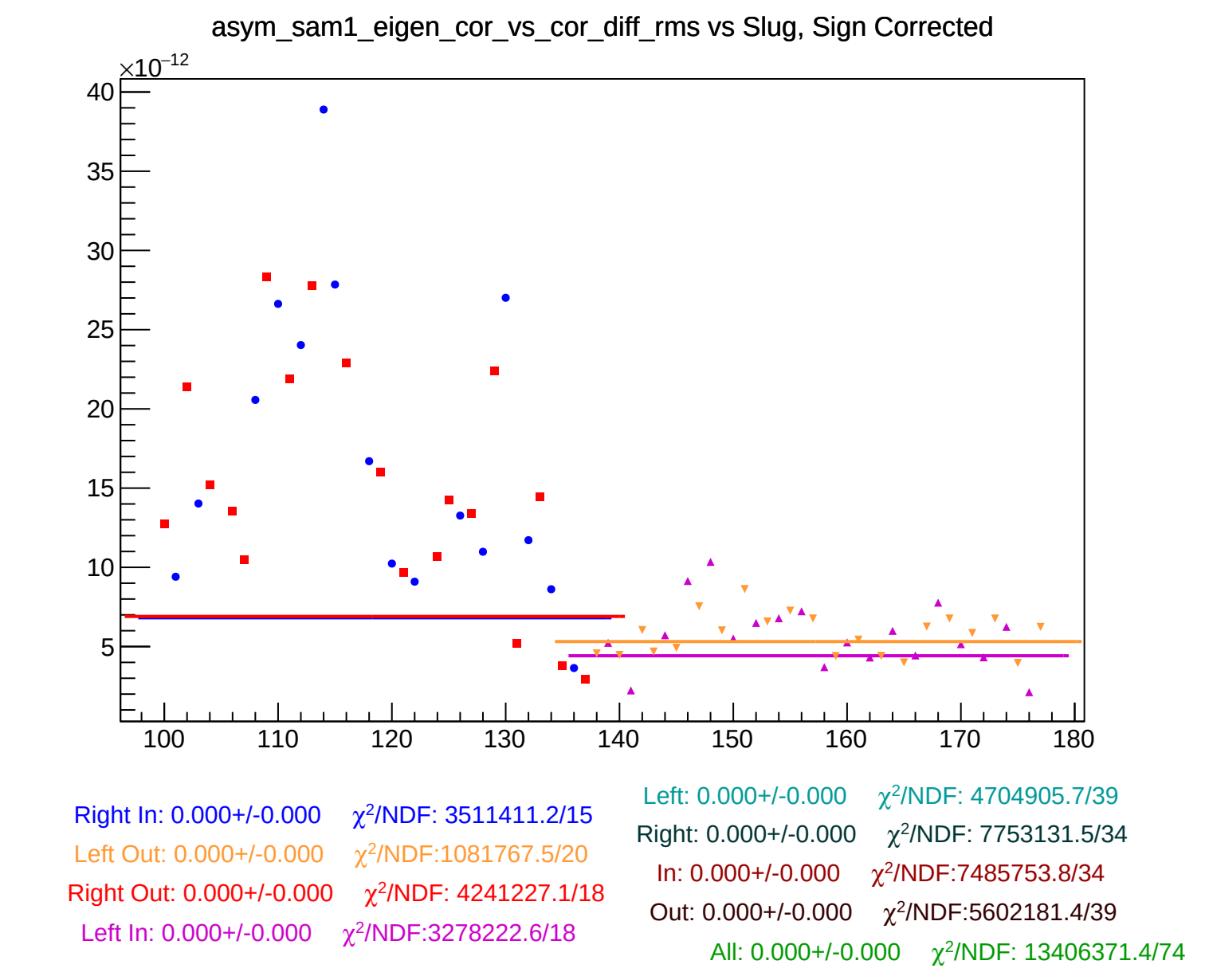
Left: -0.000+/-0.000 χ^2/NDF: 30.2/39

Right: -0.000+/-0.000 χ^2/NDF: 16.7/34

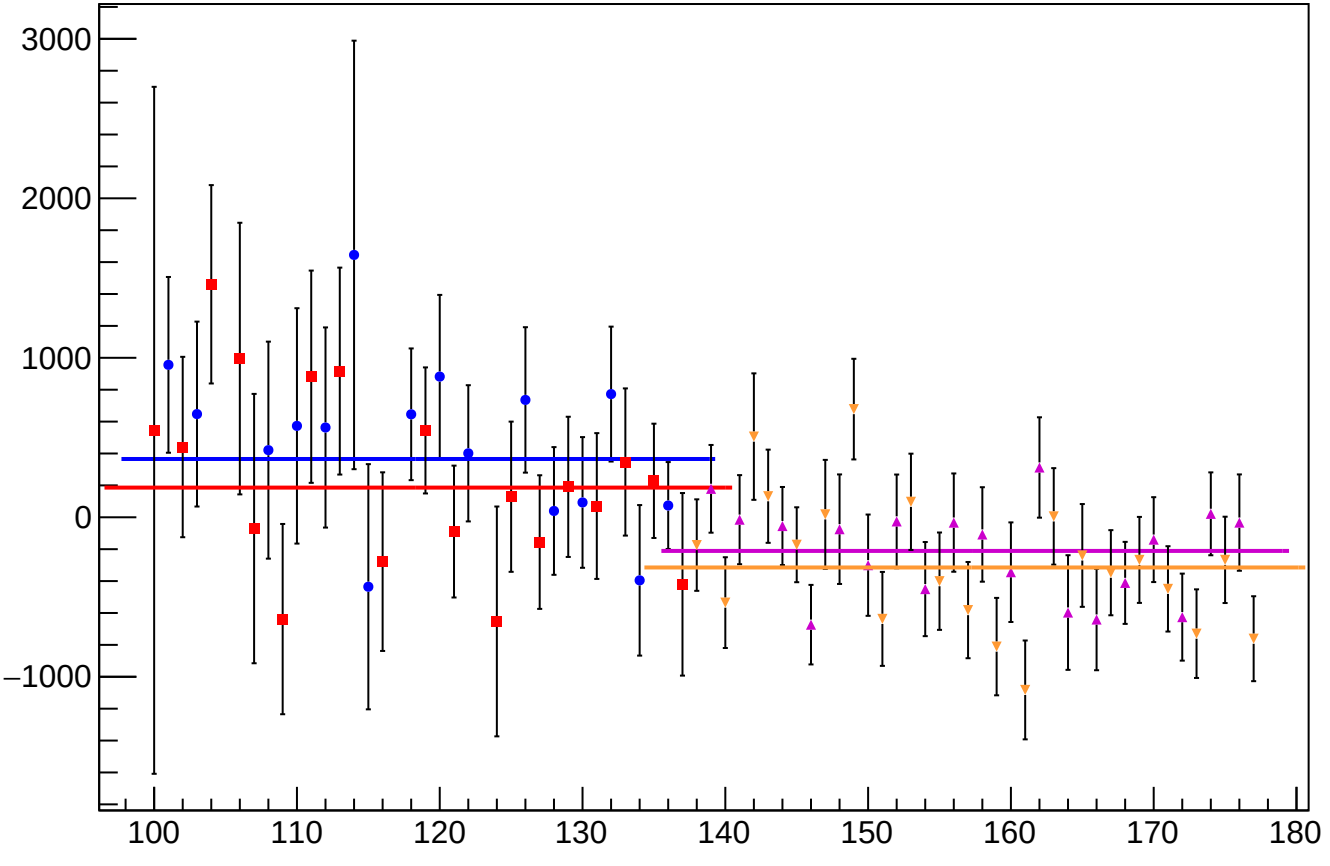
In: -0.000+/-0.000 χ^2/NDF:25.8/34

Out: -0.000+/-0.000 χ^2/NDF:20.9/39

All: -0.000+/-0.000 χ^2/NDF: 46.9/74


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:1081767.5/20
Right Out: 0.000+/-0.000 χ²/NDF: 4241227.1/18
Left In: 0.000+/-0.000 χ²/NDF:3278222.6/18
Left: 0.000+/-0.000 χ²/NDF: 4704905.7/39
Right: 0.000+/-0.000 χ²/NDF: 7753131.5/34
In: 0.000+/-0.000 χ²/NDF:7485753.8/34
Out: 0.000+/-0.000 χ²/NDF:5602181.4/39
All: 0.000+/-0.000 χ²/NDF: 13406371.4/74

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -314.673+/-63.539 χ^2/NDF:37.9/20

Right Out: 186.141+/-120.188 χ^2/NDF: 15.0/18

Left In: -210.907+/-66.135 χ^2/NDF:18.2/18

Left: -264.867+/-45.819 χ^2/NDF: 57.4/39

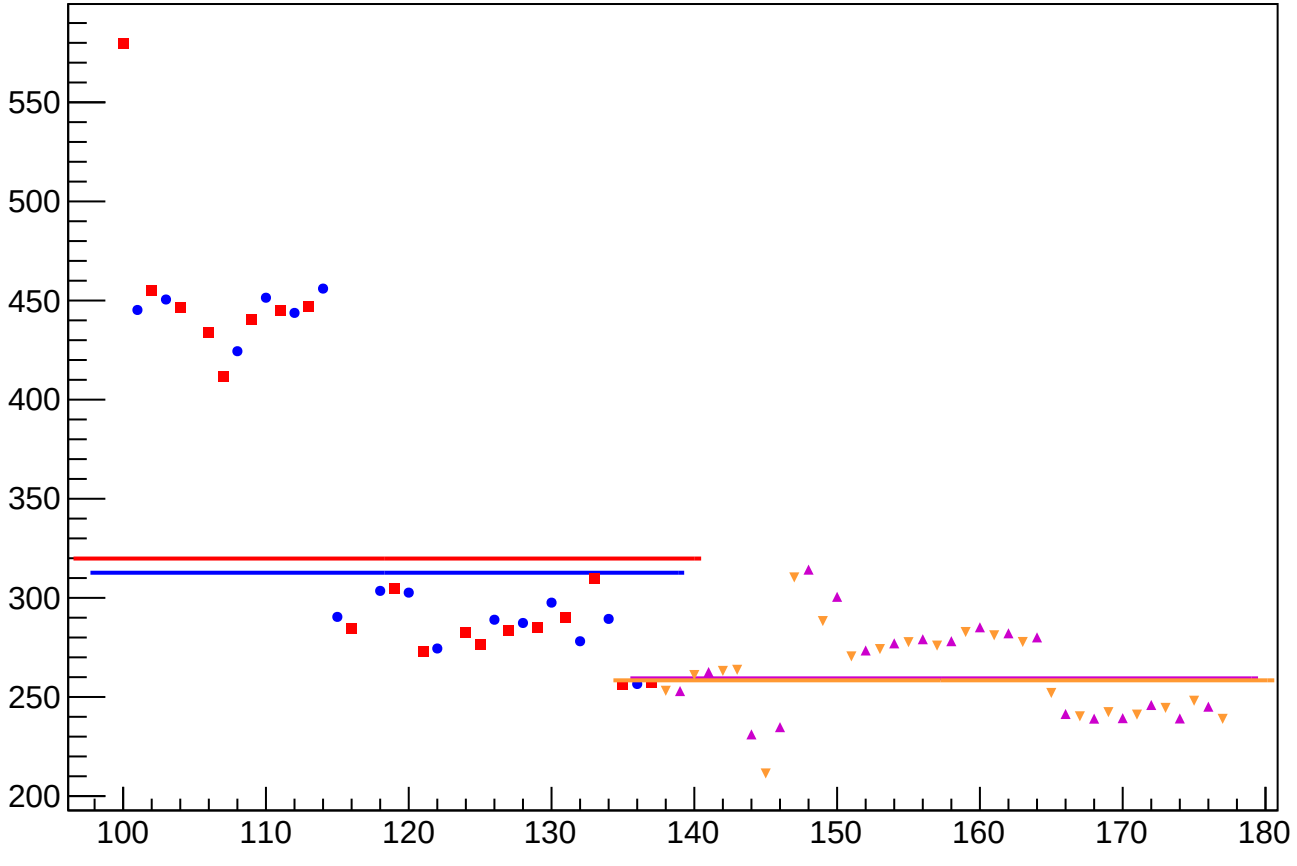
Right: 276.827+/-84.517 χ^2/NDF: 27.6/34

In: -74.656+/-57.793 χ^2/NDF:47.6/34

Out: -205.278+/-56.172 χ^2/NDF:66.5/39

All: -141.824+/-40.280 χ^2/NDF: 116.7/74

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 258.403+/-0.045 χ^2/NDF:245192.8/20

Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 259.394+/-0.047 χ^2/NDF:242411.2/18

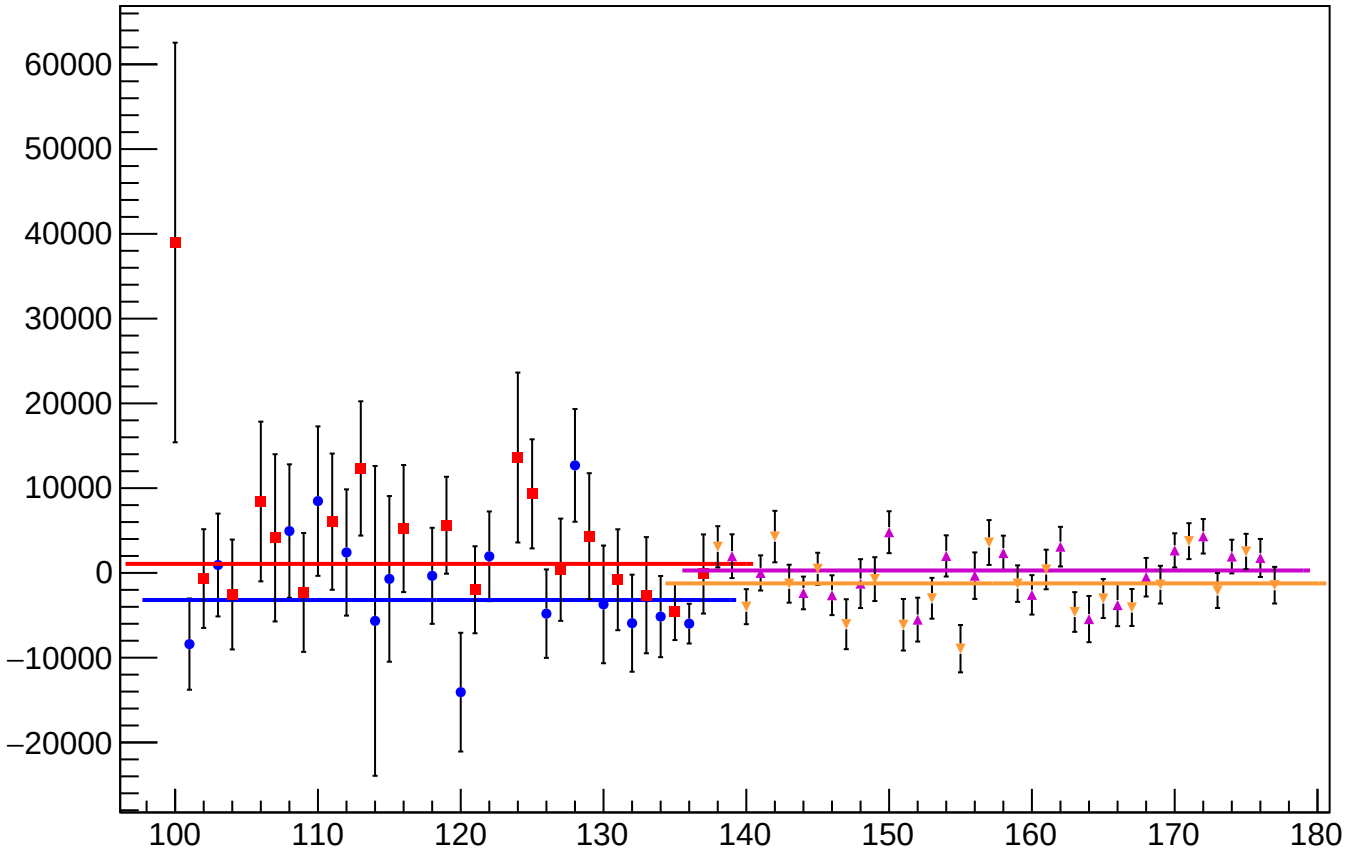
Left: 258.879+/-0.032 χ^2/NDF: 487837.3/39

Right: 316.222+/-0.060 χ^2/NDF: 1303671.7/34

In: 271.989+/-0.041 χ^2/NDF:1151538.8/34

Out: 271.823+/-0.040 χ^2/NDF:1351523.6/39

All: 271.904+/-0.028 χ^2/NDF: 2503070.9/74



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -1235.405+/-506.915 χ^2/NDF:39.6/20

Right Out: 1065.939+/-1443.326 χ^2/NDF: 14.4/18

Left In: 287.827+/-526.954 χ^2/NDF:30.7/18

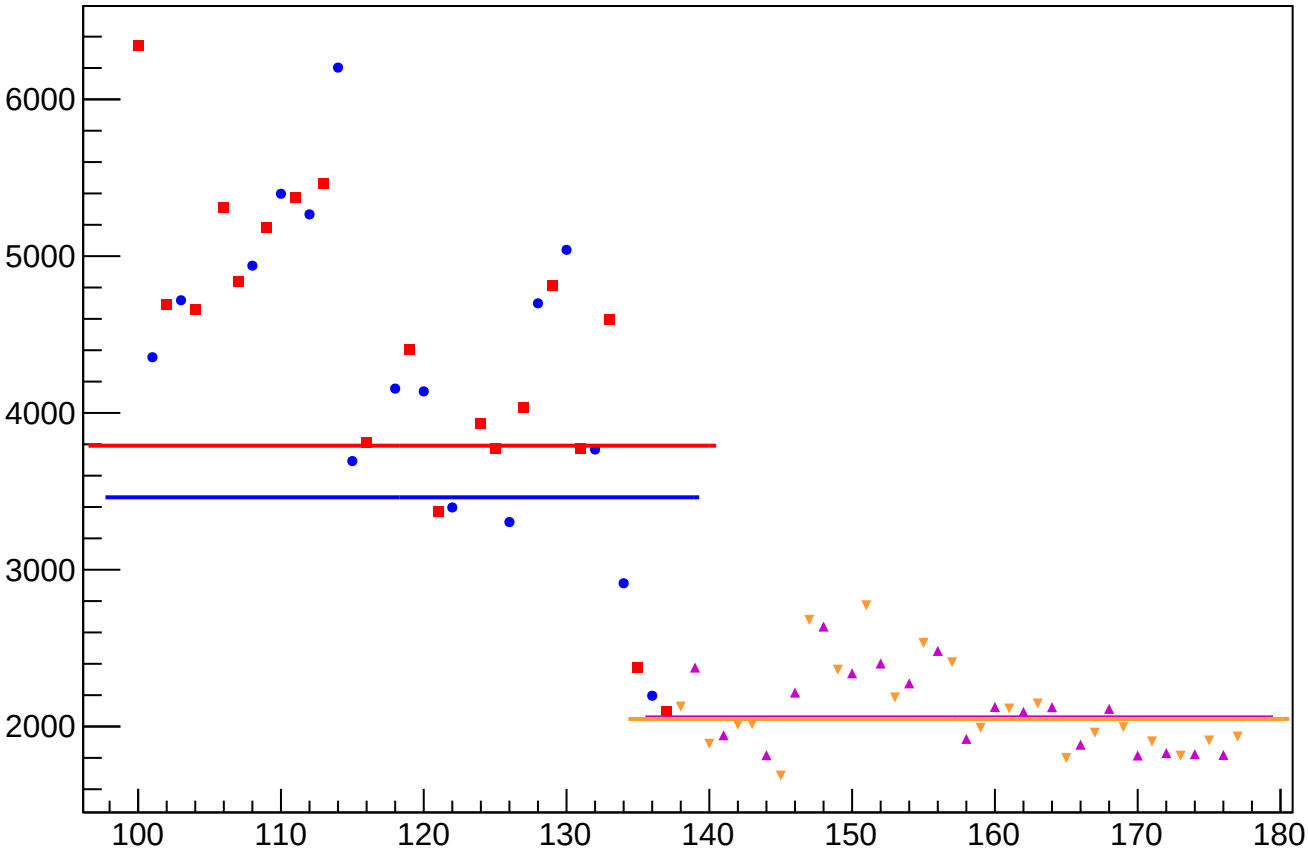
Left: -503.302+/-365.322 χ^2/NDF: 74.7/39

Right: -1202.738+/-987.420 χ^2/NDF: 35.1/34

In: -170.906+/-491.066 χ^2/NDF:52.5/34

Out: -982.703+/-478.275 χ^2/NDF:56.3/39

All: -587.515+/-342.624 χ^2/NDF: 110.2/74



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 2048.025+/-0.358 χ^2/NDF:509403.2/20

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

Left In: 2058.485+/-0.373 χ^2/NDF:410123.8/18

Left: 2053.052+/-0.258 χ^2/NDF: 919936.3/39

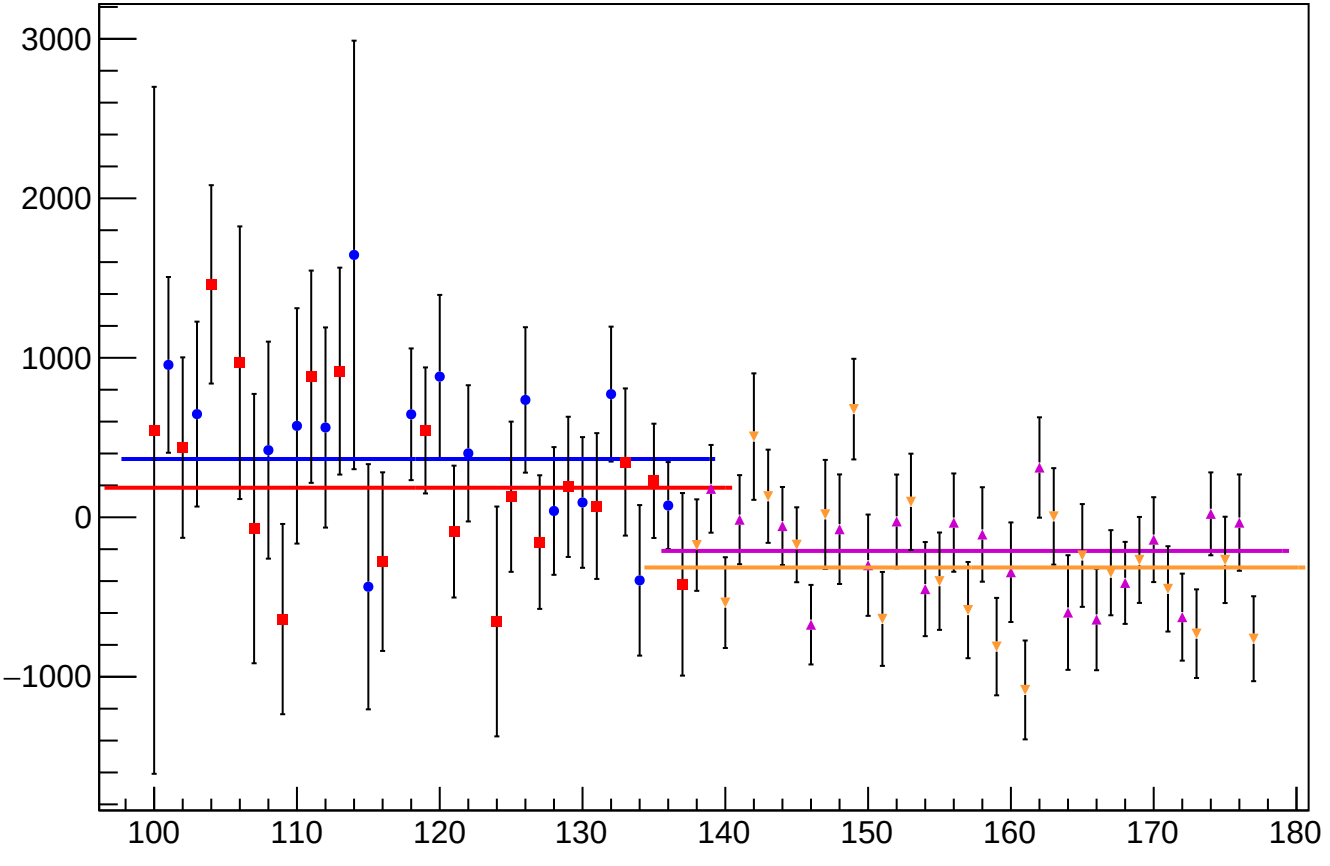
Right: 3616.041+/-0.698 χ^2/NDF: 2520711.5/34

In: 2243.138+/-0.347 χ^2/NDF:3586236.7/34

Out: 2239.437+/-0.338 χ^2/NDF:4262155.4/39

All: 2241.239+/-0.242 χ^2/NDF: 7848450.4/74

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -314.672+/-63.539 χ^2/NDF:37.9/20

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: -210.913+/-66.135 χ^2/NDF:18.2/18

Left: -264.869+/-45.819 χ^2/NDF: 57.4/39

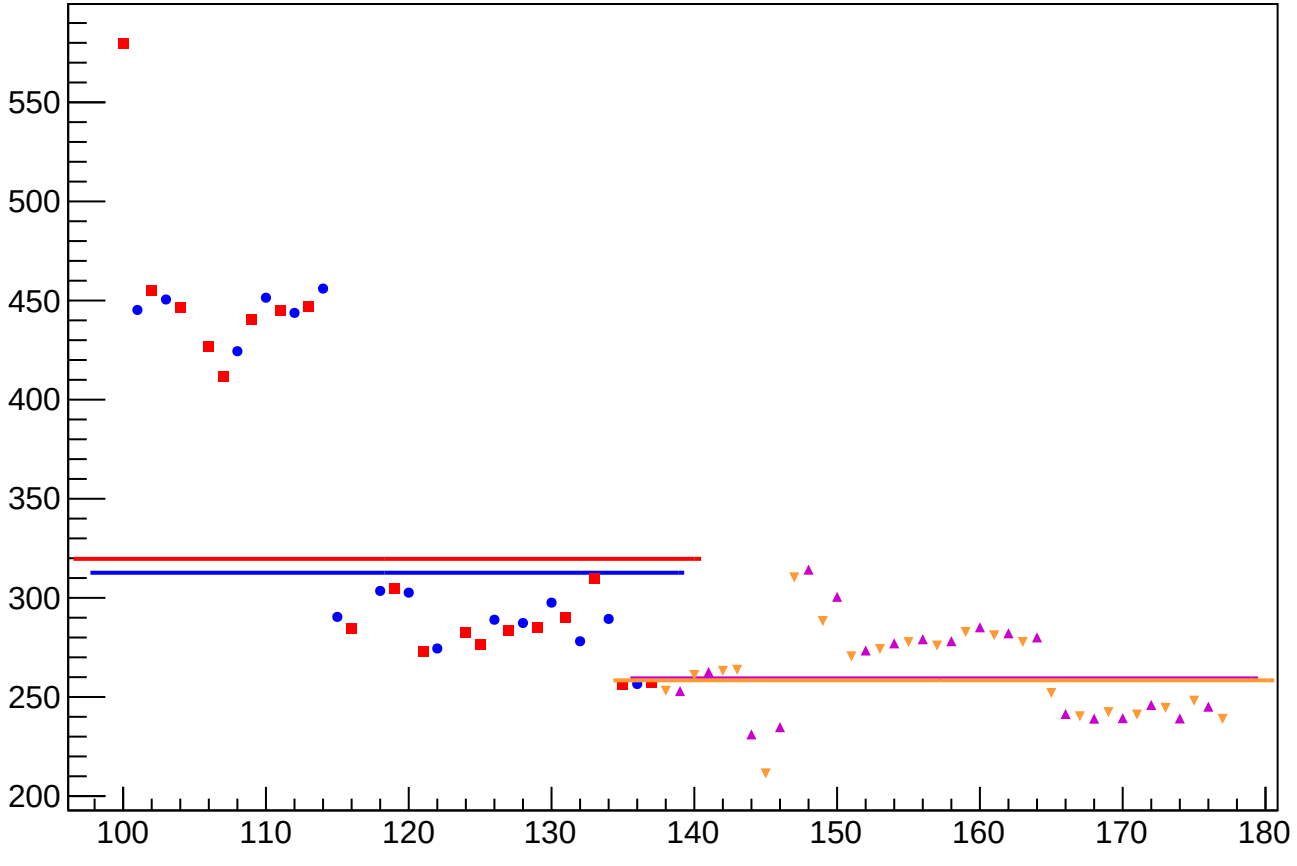
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: -74.665+/-57.793 χ^2/NDF:47.6/34

Out: -205.470+/-56.173 χ^2/NDF:66.4/39

All: -141.926+/-40.281 χ^2/NDF: 116.6/74

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 258.403+/-0.045 χ^2/NDF:245192.8/20

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 259.394+/-0.047 χ^2/NDF:242411.2/18

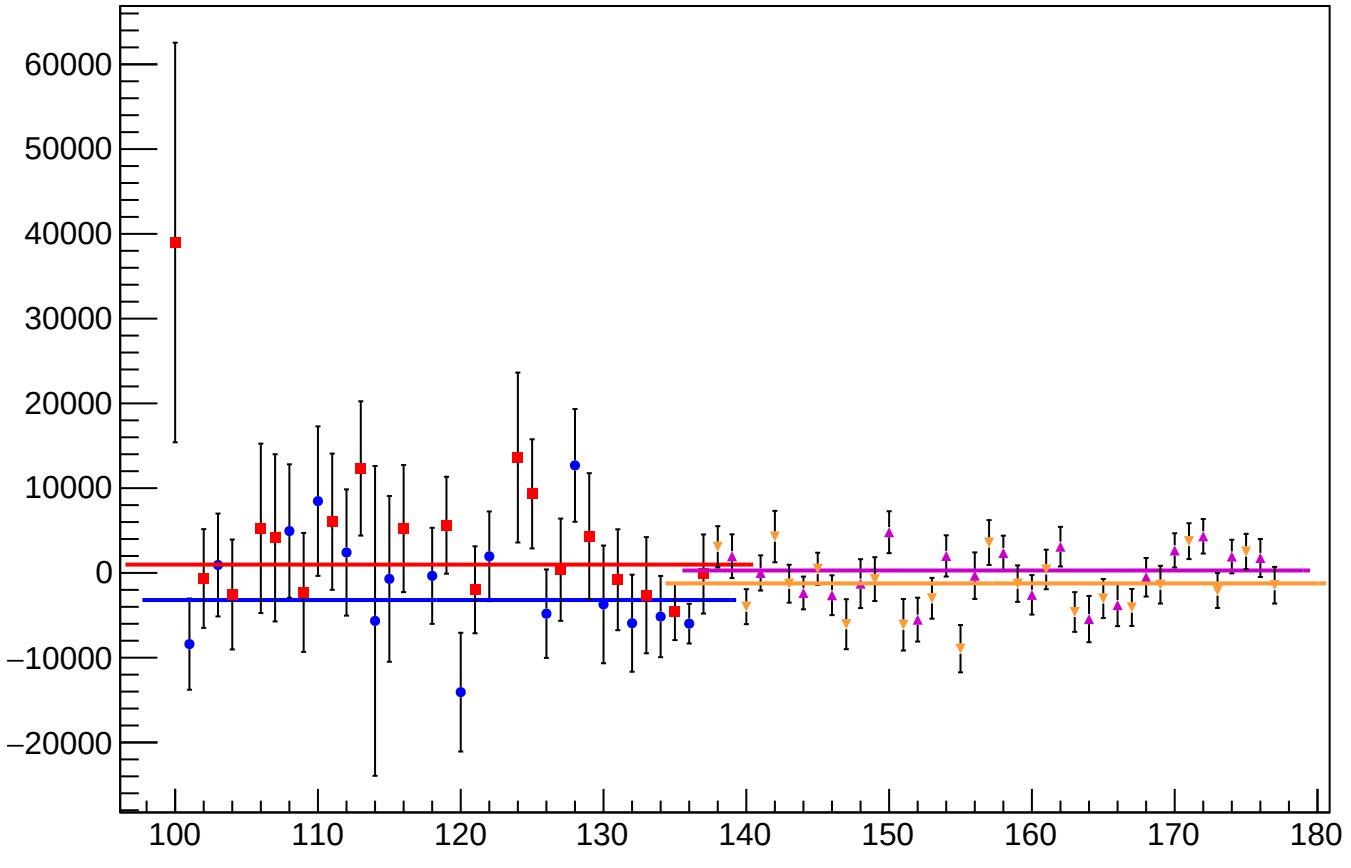
Left: 258.879+/-0.032 χ^2/NDF: 487837.3/39

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 271.989+/-0.041 χ^2/NDF:1151540.4/34

Out: 271.789+/-0.040 χ^2/NDF:1345333.4/39

All: 271.886+/-0.028 χ^2/NDF: 2496886.1/74



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1235.403+/-506.915 χ^2/NDF:39.6/20

Right Out: 980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: 287.828+/-526.954 χ^2/NDF:30.7/18

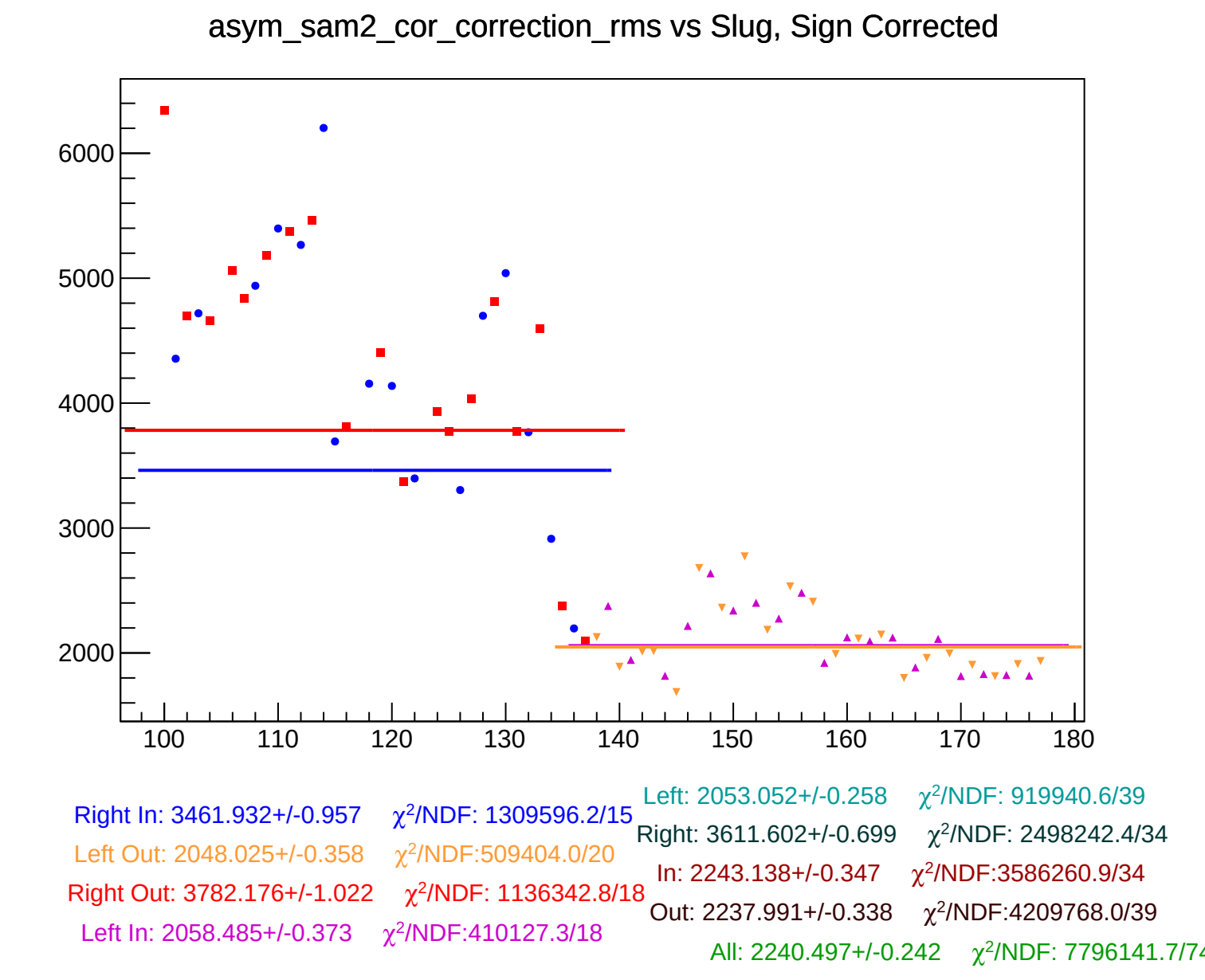
Left: -503.301+/-365.322 χ^2/NDF: 74.7/39

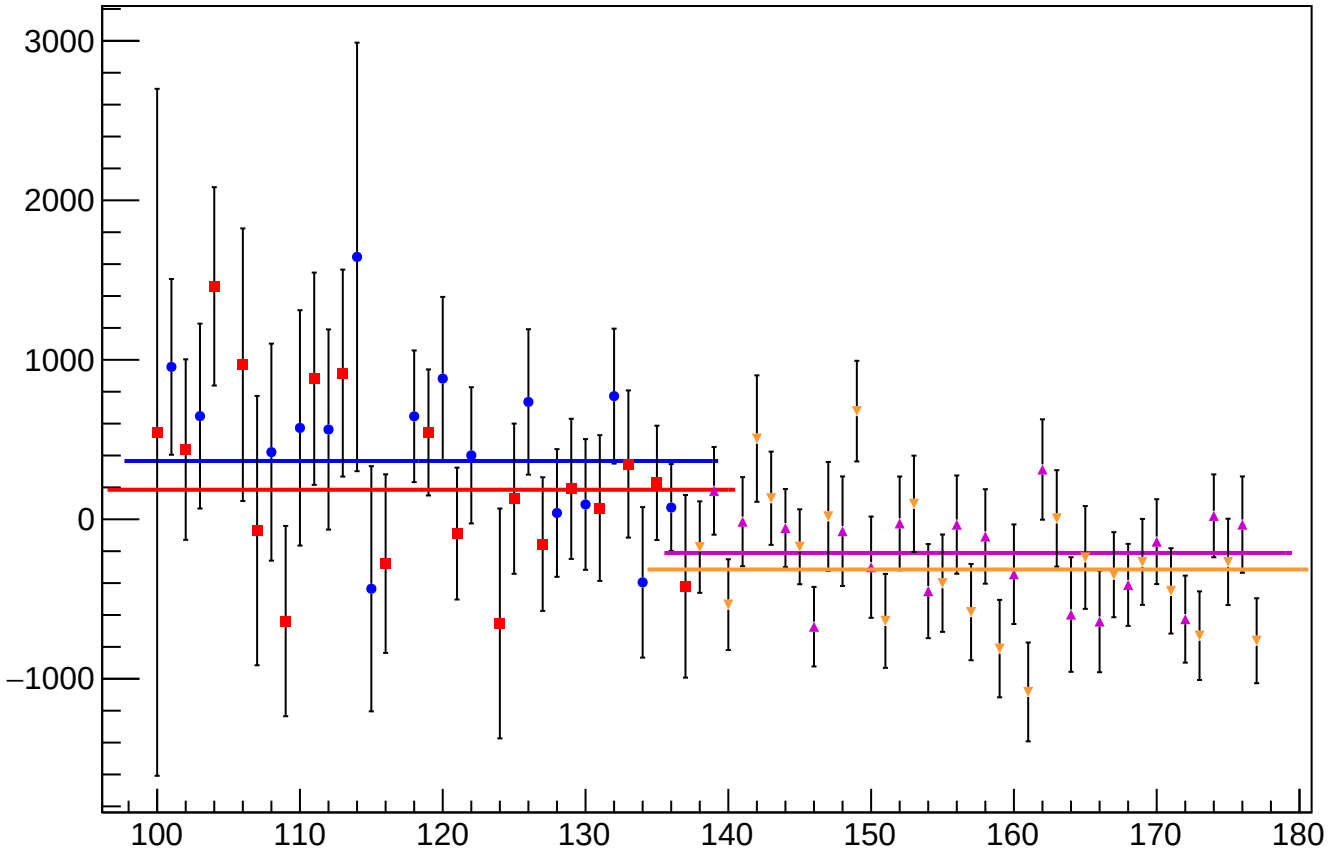
Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -170.895+/-491.066 χ^2/NDF:52.5/34

Out: -992.617+/-478.346 χ^2/NDF:55.7/39

All: -592.537+/-342.650 χ^2/NDF: 109.7/74


asym_sam2_cor_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
Right In: 3461.932+/-0.957 χ²/NDF: 1309596.2/15
Left Out: 2048.025+/-0.358 χ²/NDF:509404.0/20
Right Out: 3782.176+/-1.022 χ²/NDF: 1136342.8/18
Left In: 2058.485+/-0.373 χ²/NDF:410127.3/18
Left: 2053.052+/-0.258 χ²/NDF: 919940.6/39
Right: 3611.602+/-0.699 χ²/NDF: 2498242.4/34
In: 2243.138+/-0.347 χ²/NDF:3586260.9/34
Out: 2237.991+/-0.338 χ²/NDF:4209768.0/39
All: 2240.497+/-0.242 χ²/NDF: 7796141.7/74



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -314.672+/-63.539 χ^2/NDF:37.9/20

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: -210.913+/-66.135 χ^2/NDF:18.2/18

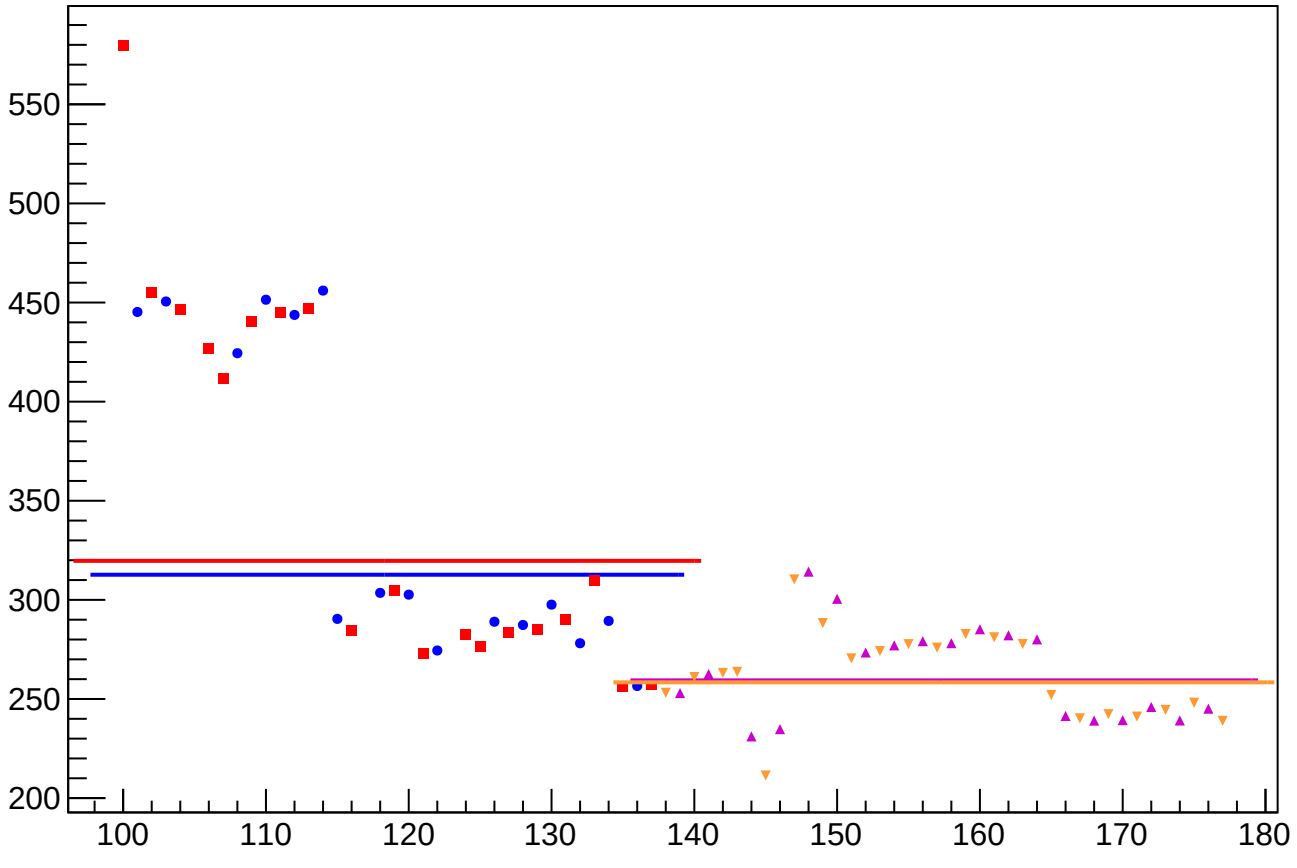
Left: -264.869+/-45.819 χ^2/NDF: 57.4/39

Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: -74.665+/-57.793 χ^2/NDF:47.6/34

Out: -205.470+/-56.173 χ^2/NDF:66.4/39

All: -141.926+/-40.281 χ^2/NDF: 116.6/74



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 258.403+/-0.045 χ^2/NDF:245192.8/20

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 259.394+/-0.047 χ^2/NDF:242411.2/18

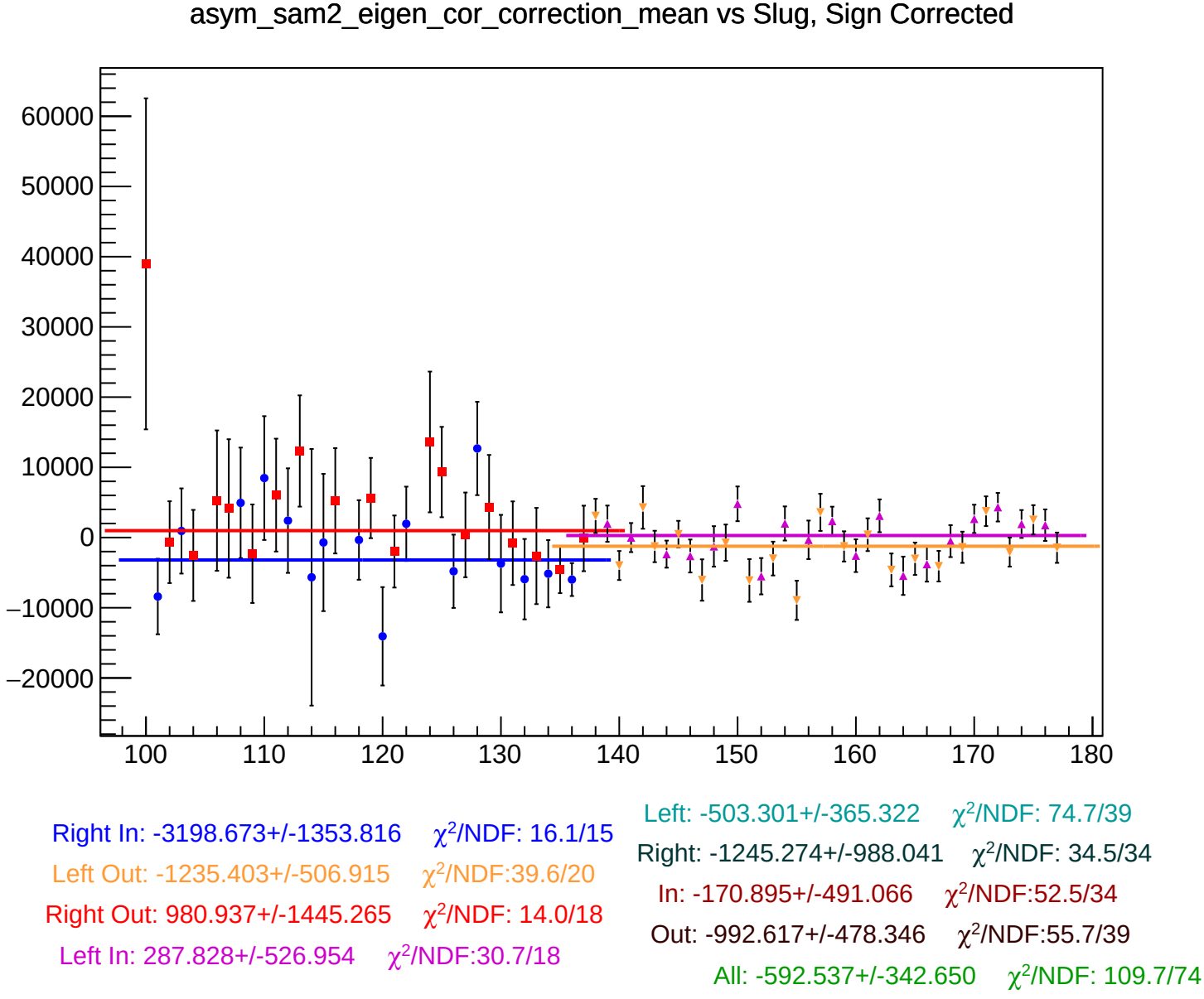
Left: 258.879+/-0.032 χ^2/NDF: 487837.3/39

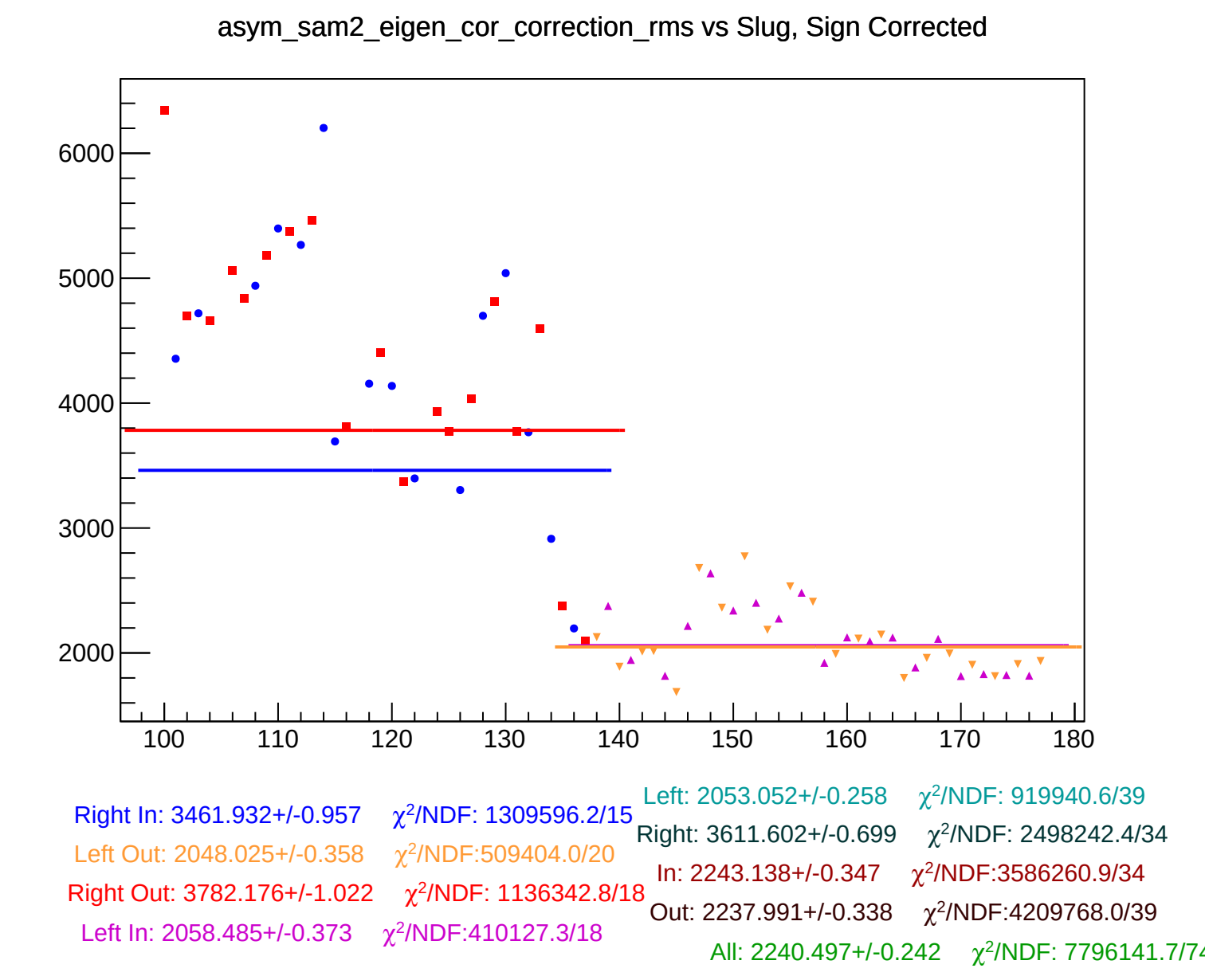
Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

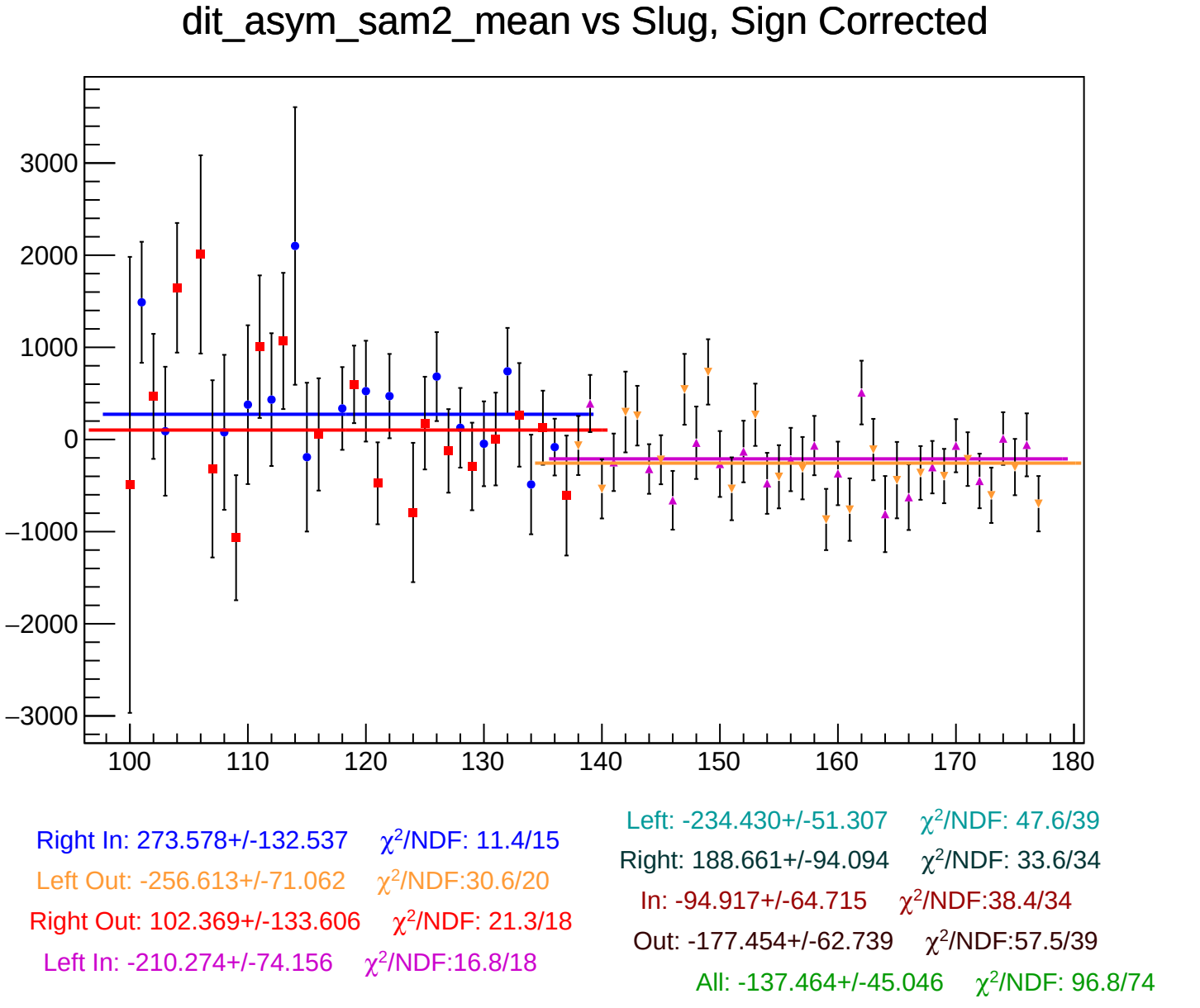
In: 271.989+/-0.041 χ^2/NDF:1151540.4/34

Out: 271.789+/-0.040 χ^2/NDF:1345333.4/39

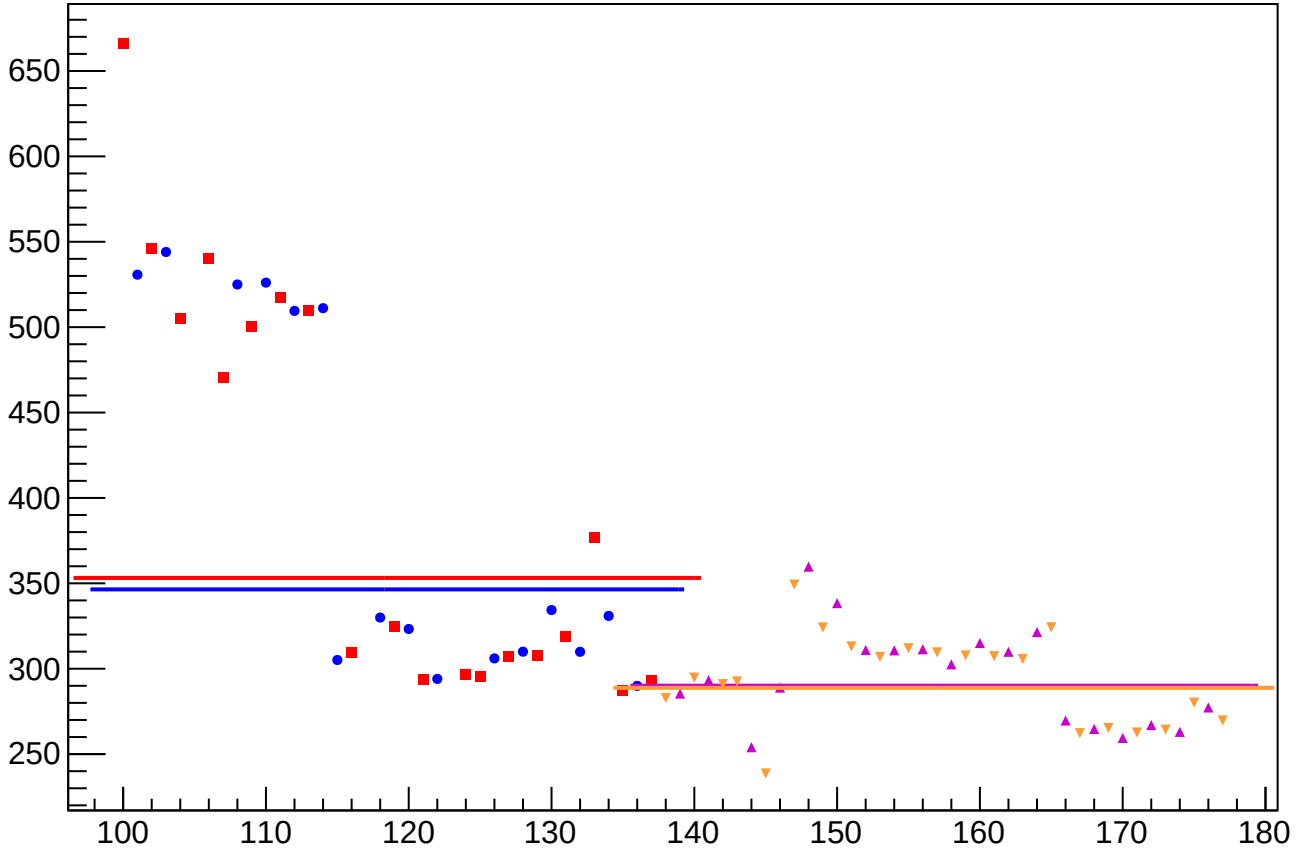
All: 271.886+/-0.028 χ^2/NDF: 2496886.1/74


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: -1235.403+/-506.915 χ²/NDF:39.6/20
Right Out: 980.937+/-1445.265 χ²/NDF: 14.0/18
Left In: 287.828+/-526.954 χ²/NDF:30.7/18
Left: -503.301+/-365.322 χ²/NDF: 74.7/39
Right: -1245.274+/-988.041 χ²/NDF: 34.5/34
In: -170.895+/-491.066 χ²/NDF:52.5/34
Out: -992.617+/-478.346 χ²/NDF:55.7/39
All: -592.537+/-342.650 χ²/NDF: 109.7/74


asym_sam2_eigen_cor_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
Right In: 3461.932+/-0.957 χ²/NDF: 1309596.2/15
Left Out: 2048.025+/-0.358 χ²/NDF:509404.0/20
Right Out: 3782.176+/-1.022 χ²/NDF: 1136342.8/18
Left In: 2058.485+/-0.373 χ²/NDF:410127.3/18
Left: 2053.052+/-0.258 χ²/NDF: 919940.6/39
Right: 3611.602+/-0.699 χ²/NDF: 2498242.4/34
In: 2243.138+/-0.347 χ²/NDF:3586260.9/34
Out: 2237.991+/-0.338 χ²/NDF:4209768.0/39
All: 2240.497+/-0.242 χ²/NDF: 7796141.7/74


dit_asym_sam2_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
180
Right In: 273.578+/-132.537 χ²/NDF: 11.4/15
Left Out: -256.613+/-71.062 χ²/NDF:30.6/20
Right Out: 102.369+/-133.606 χ²/NDF: 21.3/18
Left In: -210.274+/-74.156 χ²/NDF:16.8/18
Left: -234.430+/-51.307 χ²/NDF: 47.6/39
Right: 188.661+/-94.094 χ²/NDF: 33.6/34
In: -94.917+/-64.715 χ²/NDF:38.4/34
Out: -177.454+/-62.739 χ²/NDF:57.5/39
All: -137.464+/-45.046 χ²/NDF: 96.8/74

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 288.814+/-0.050 χ^2/NDF:275166.4/20

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

Left In: 290.070+/-0.052 χ^2/NDF:268545.8/18

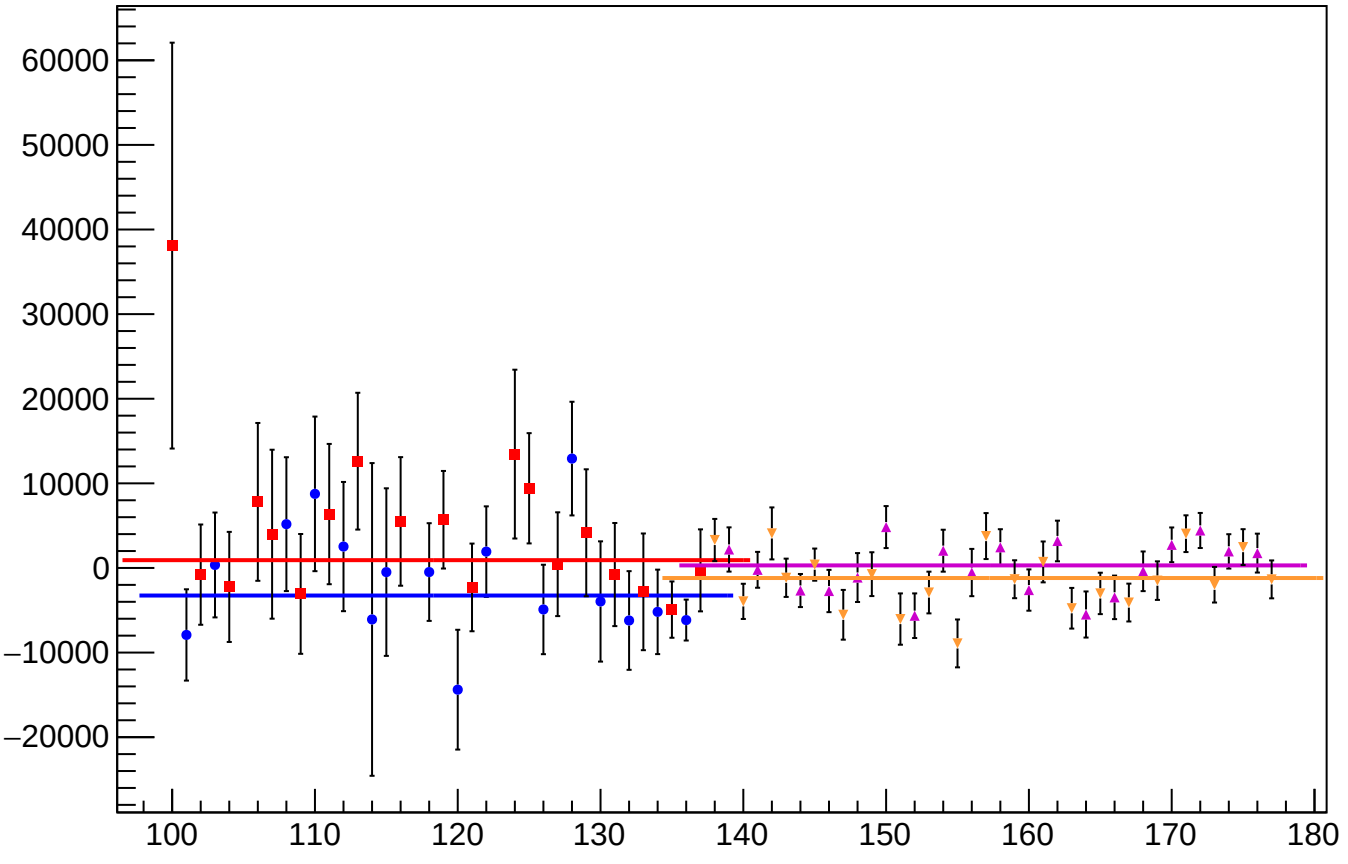
Left: 289.415+/-0.036 χ^2/NDF: 544011.3/39

Right: 349.789+/-0.067 χ^2/NDF: 1637679.7/34

In: 303.513+/-0.046 χ^2/NDF:1312985.9/34

Out: 303.007+/-0.044 χ^2/NDF:1503332.9/39

All: 303.252+/-0.032 χ^2/NDF: 2816381.9/74



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -1189.600+/-517.616 χ^2/NDF:38.7/20

Right Out: 921.196+/-1460.727 χ^2/NDF: 14.6/18

Left In: 301.616+/-539.290 χ^2/NDF:30.7/18

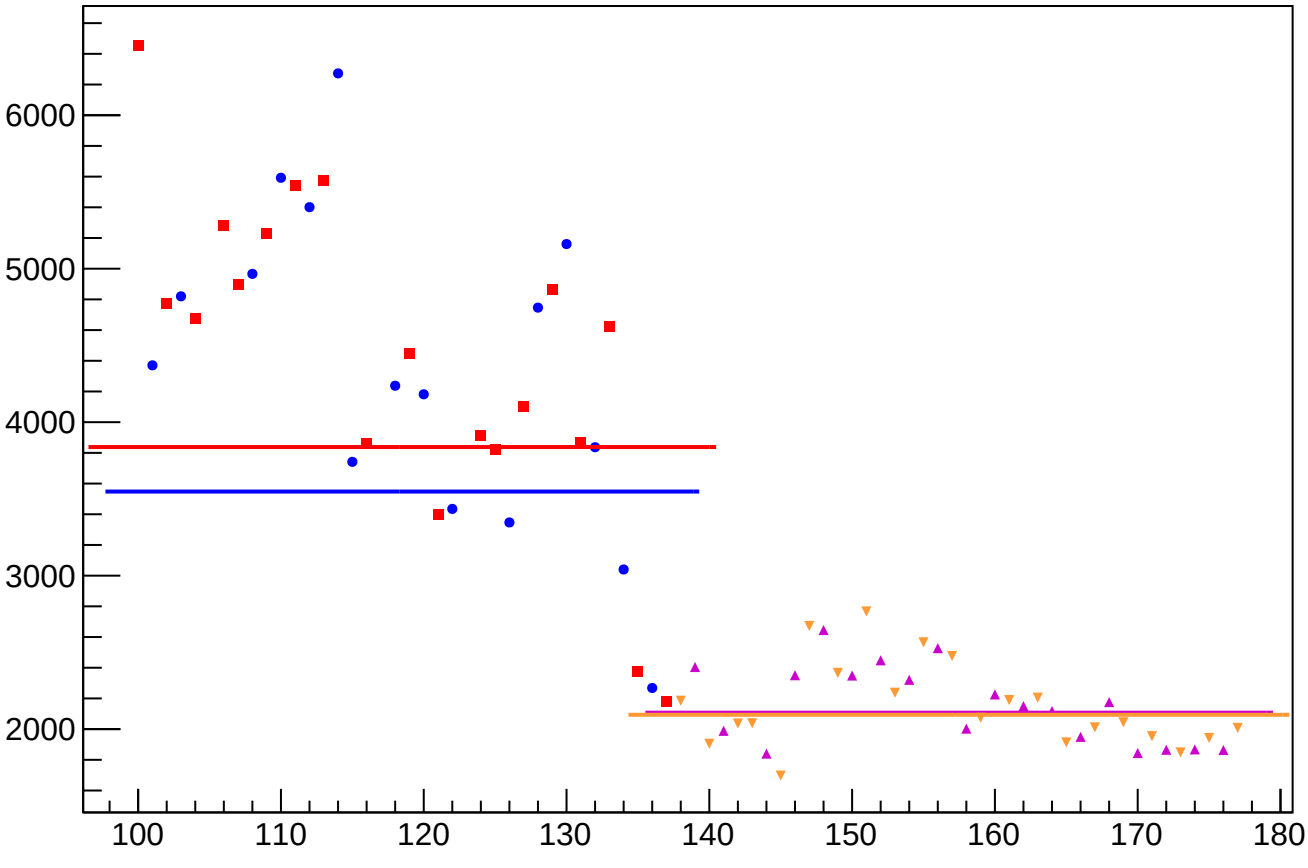
Left: -474.559+/-373.437 χ^2/NDF: 73.4/39

Right: -1281.271+/-1004.719 χ^2/NDF: 35.0/34

In: -167.642+/-502.496 χ^2/NDF:52.5/34

Out: -954.121+/-487.890 χ^2/NDF:55.2/39

All: -572.478+/-350.040 χ^2/NDF: 108.9/74



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2093.438+/-0.366 χ^2/NDF:479282.1/20

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

Left In: 2107.262+/-0.381 χ^2/NDF:400120.6/18

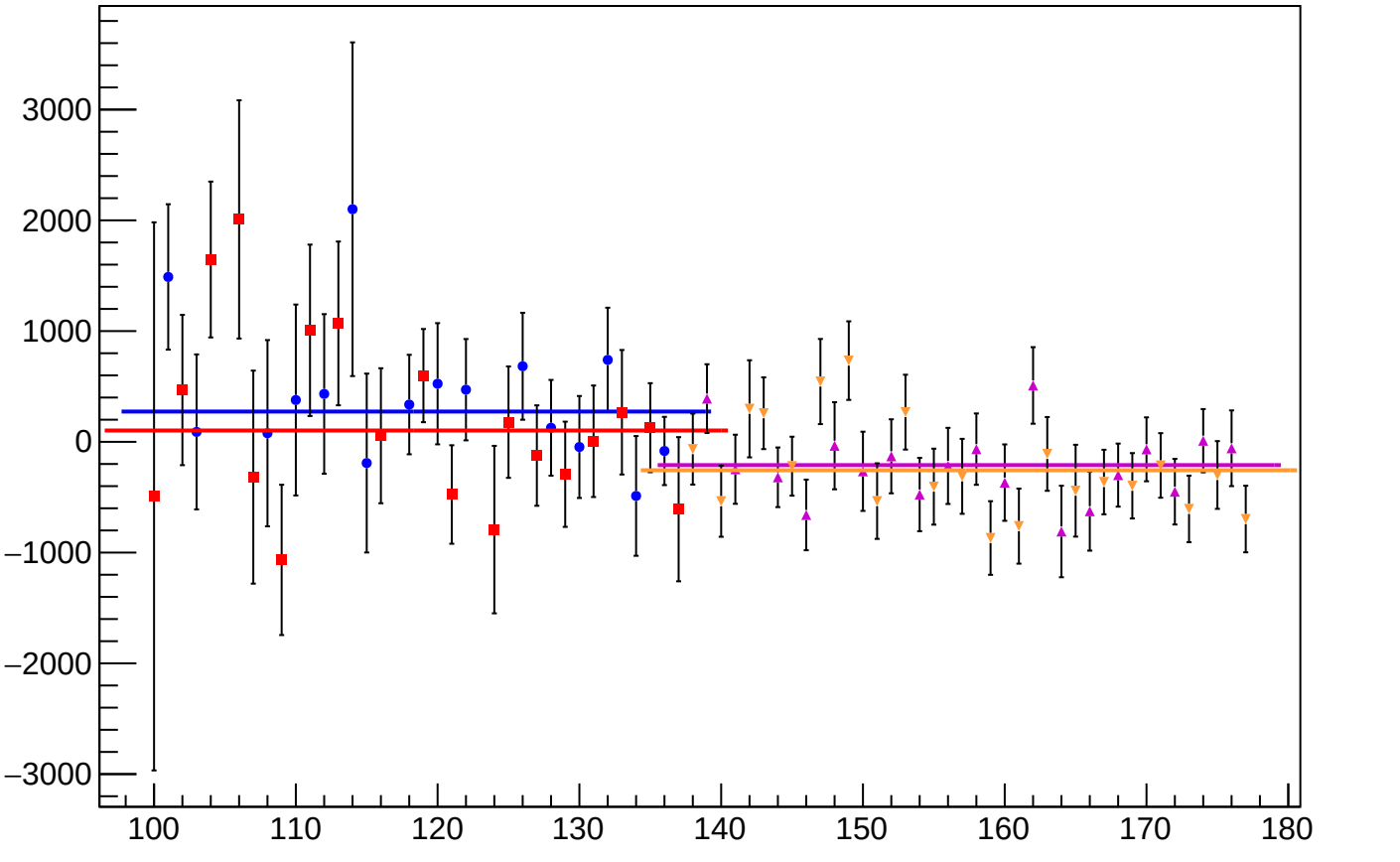
Left: 2100.067+/-0.264 χ^2/NDF: 880086.8/39

Right: 3685.168+/-0.710 χ^2/NDF: 2455854.0/34

In: 2297.144+/-0.355 χ^2/NDF:3539841.0/34

Out: 2288.057+/-0.345 χ^2/NDF:4169529.0/39

All: 2292.466+/-0.248 χ^2/NDF: 7709706.7/74



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -256.617+/-71.062 χ^2/NDF:30.6/20

Right Out: 102.368+/-133.606 χ^2/NDF: 21.3/18

Left In: -210.277+/-74.156 χ^2/NDF:16.8/18

Left: -234.434+/-51.307 χ^2/NDF: 47.6/39

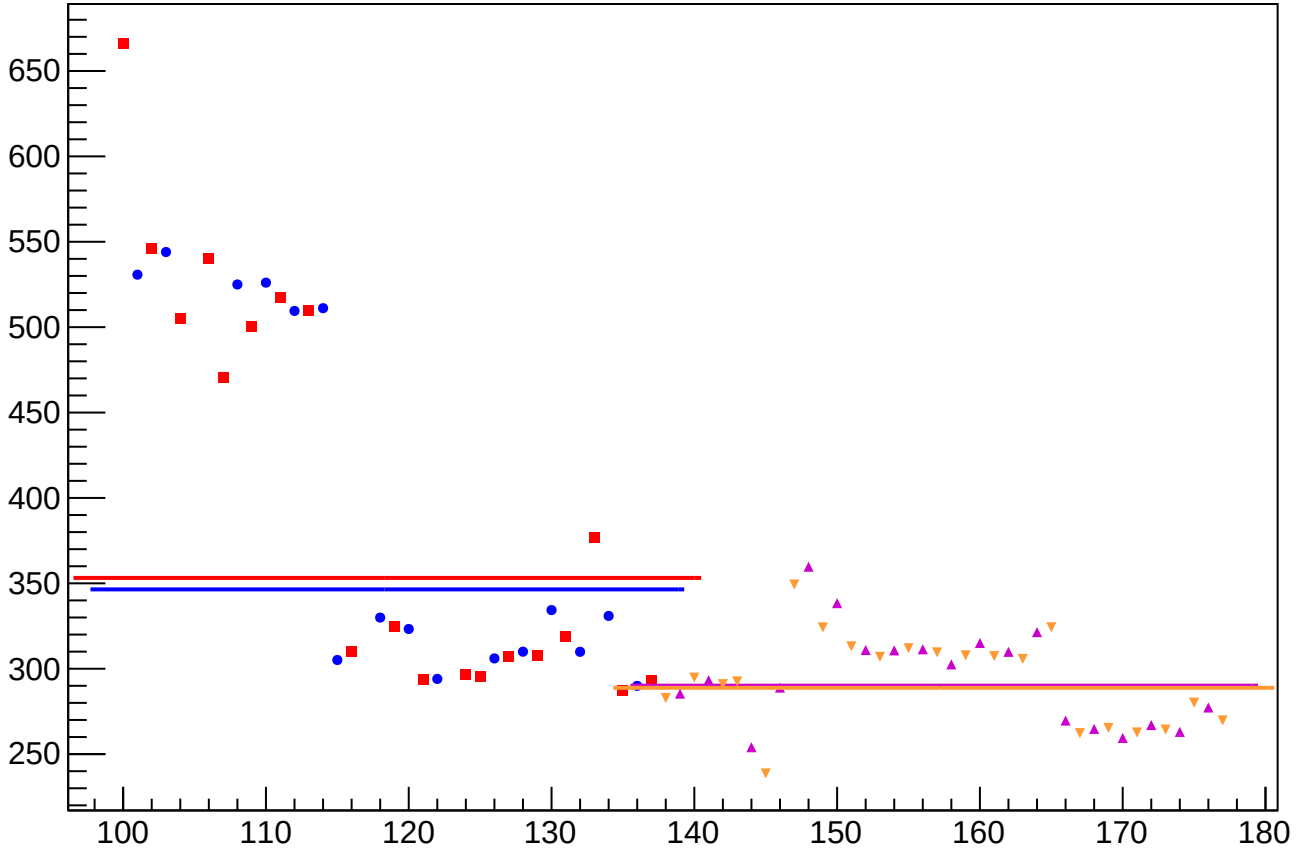
Right: 188.663+/-94.093 χ^2/NDF: 33.6/34

In: -94.917+/-64.715 χ^2/NDF:38.4/34

Out: -177.457+/-62.739 χ^2/NDF:57.5/39

All: -137.466+/-45.046 χ^2/NDF: 96.8/74

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 288.814+/-0.050 χ^2/NDF:275171.6/20

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

Left In: 290.070+/-0.052 χ^2/NDF:268548.2/18

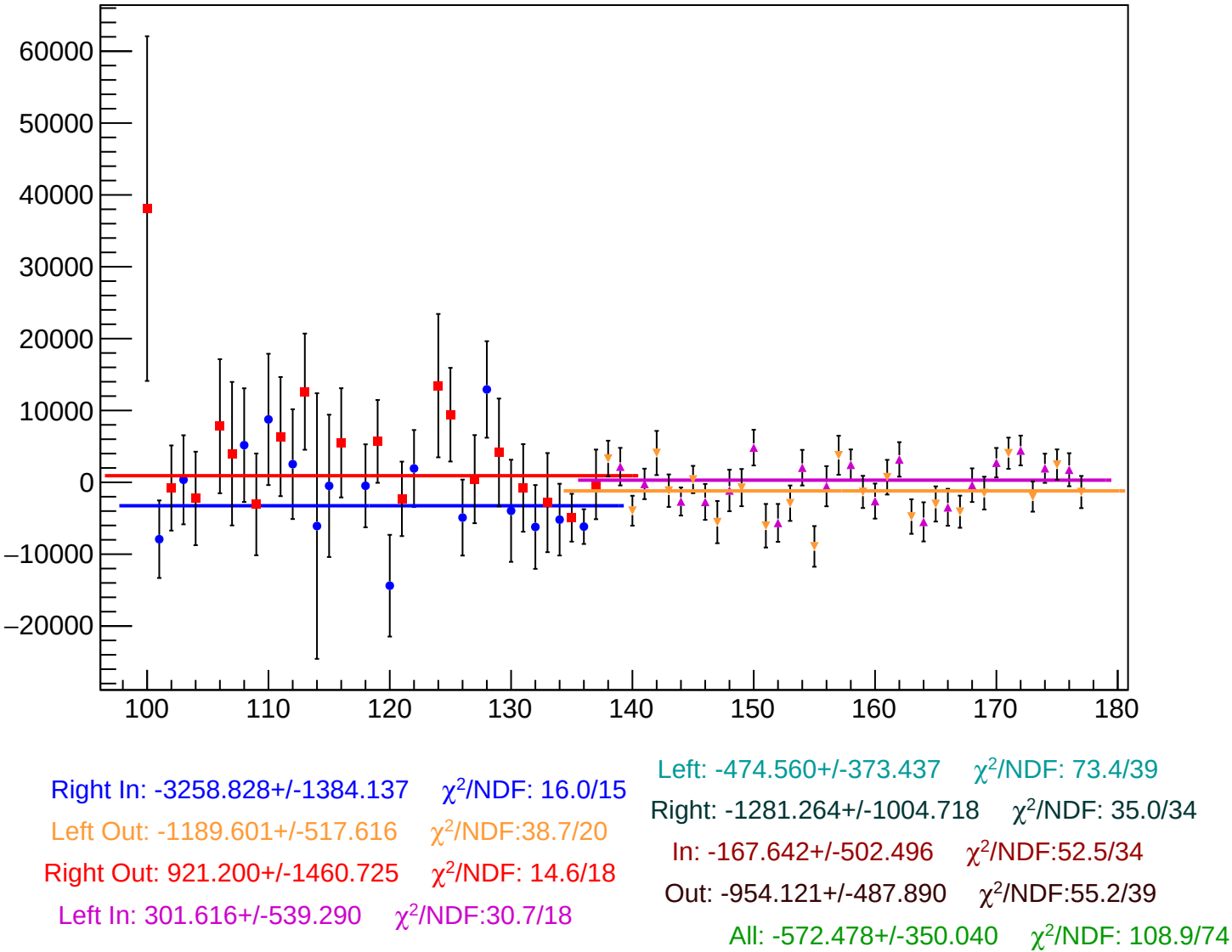
Left: 289.415+/-0.036 χ^2/NDF: 544018.9/39

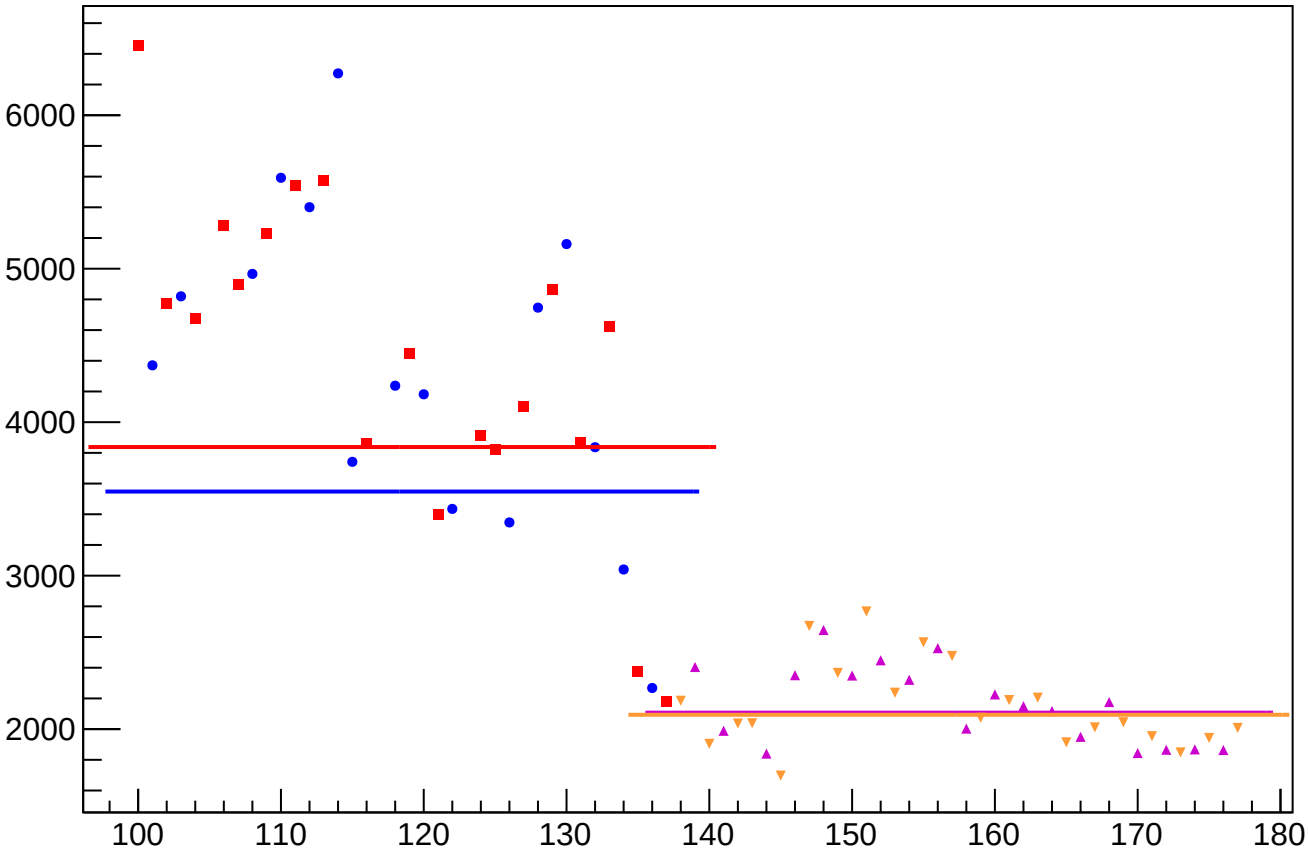
Right: 349.788+/-0.067 χ^2/NDF: 1637661.2/34

In: 303.512+/-0.046 χ^2/NDF:1312962.7/34

Out: 303.007+/-0.044 χ^2/NDF:1503314.9/39

All: 303.252+/-0.032 χ^2/NDF: 2816340.6/74


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: -1189.601+/-517.616 χ²/NDF:38.7/20
Right Out: 921.200+/-1460.725 χ²/NDF: 14.6/18
Left In: 301.616+/-539.290 χ²/NDF:30.7/18
Left: -474.560+/-373.437 χ²/NDF: 73.4/39
Right: -1281.264+/-1004.718 χ²/NDF: 35.0/34
In: -167.642+/-502.496 χ²/NDF:52.5/34
Out: -954.121+/-487.890 χ²/NDF:55.2/39
All: -572.478+/-350.040 χ²/NDF: 108.9/74



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2093.438+/-0.366 χ^2/NDF:479286.1/20

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

Left In: 2107.263+/-0.381 χ^2/NDF:400120.9/18

Left: 2100.067+/-0.264 χ^2/NDF: 880091.0/39

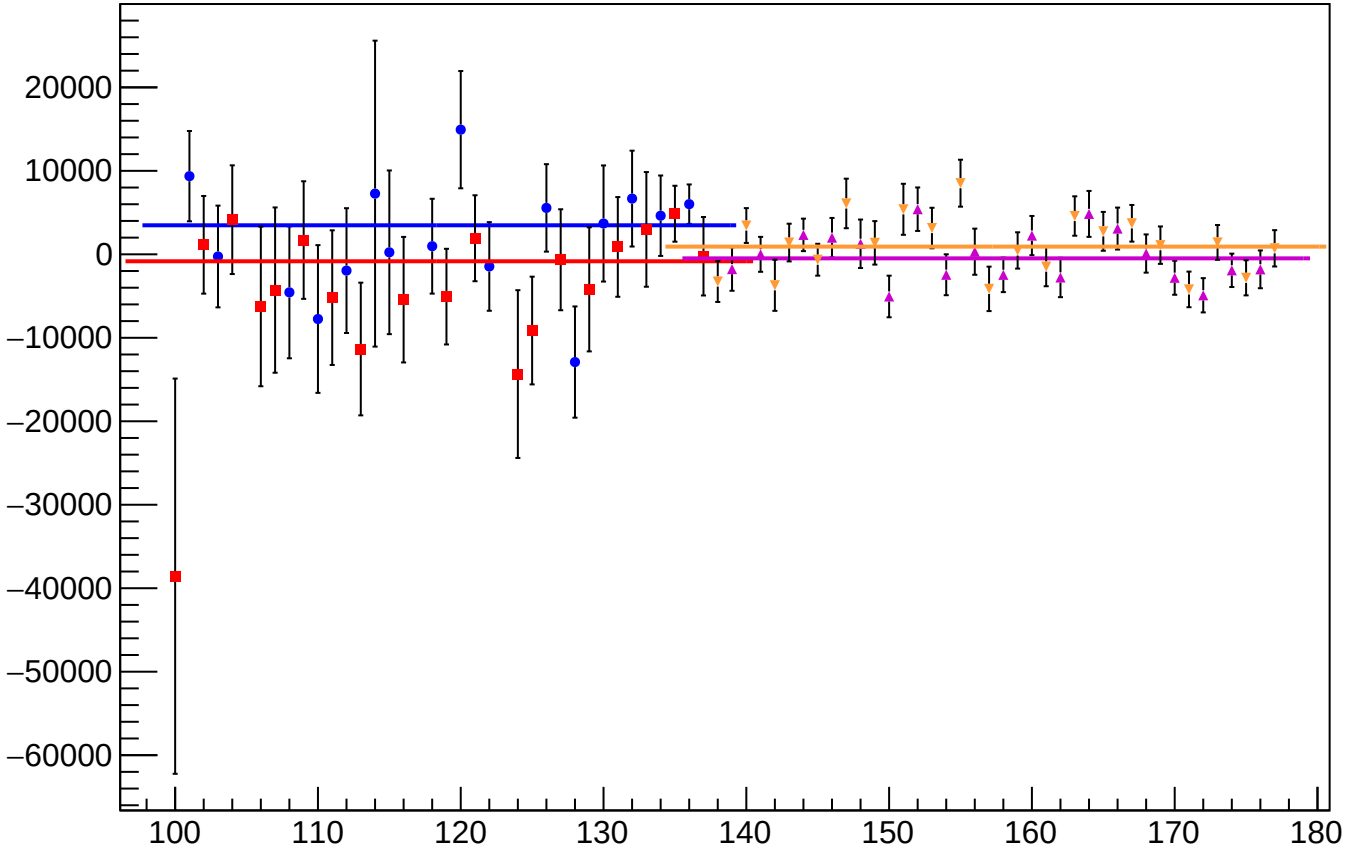
Right: 3685.164+/-0.710 χ^2/NDF: 2455829.5/34

In: 2297.144+/-0.355 χ^2/NDF:3539822.7/34

Out: 2288.057+/-0.345 χ^2/NDF:4169516.2/39

All: 2292.467+/-0.248 χ^2/NDF: 7709675.5/74

asym_sam2_mean vs Slug, Sign Corrected



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 921.953+/-511.042 χ^2/NDF:39.1/20

Right Out: -832.583+/-1449.649 χ^2/NDF: 14.0/18

Left In: -483.690+/-531.265 χ^2/NDF:28.9/18

Left: 246.395+/-368.303 χ^2/NDF: 71.6/39

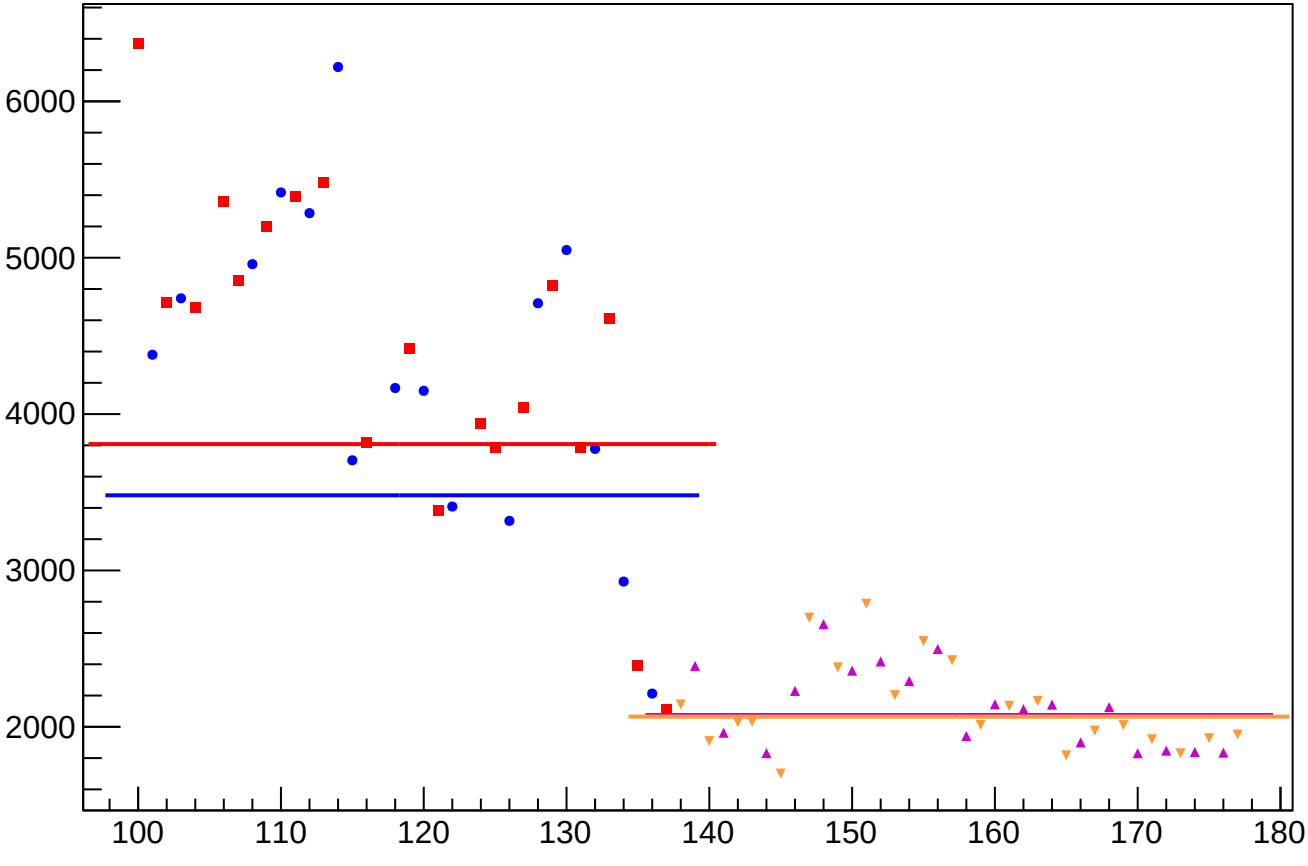
Right: 1459.744+/-991.983 χ^2/NDF: 35.1/34

In: 40.625+/-494.866 χ^2/NDF:52.5/34

Out: 728.009+/-481.970 χ^2/NDF:54.4/39

All: 393.390+/-345.273 χ^2/NDF: 108.0/74

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2065.031+/-0.361 χ^2/NDF:503302.9/20

Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

Left In: 2075.620+/-0.376 χ^2/NDF:404388.3/18

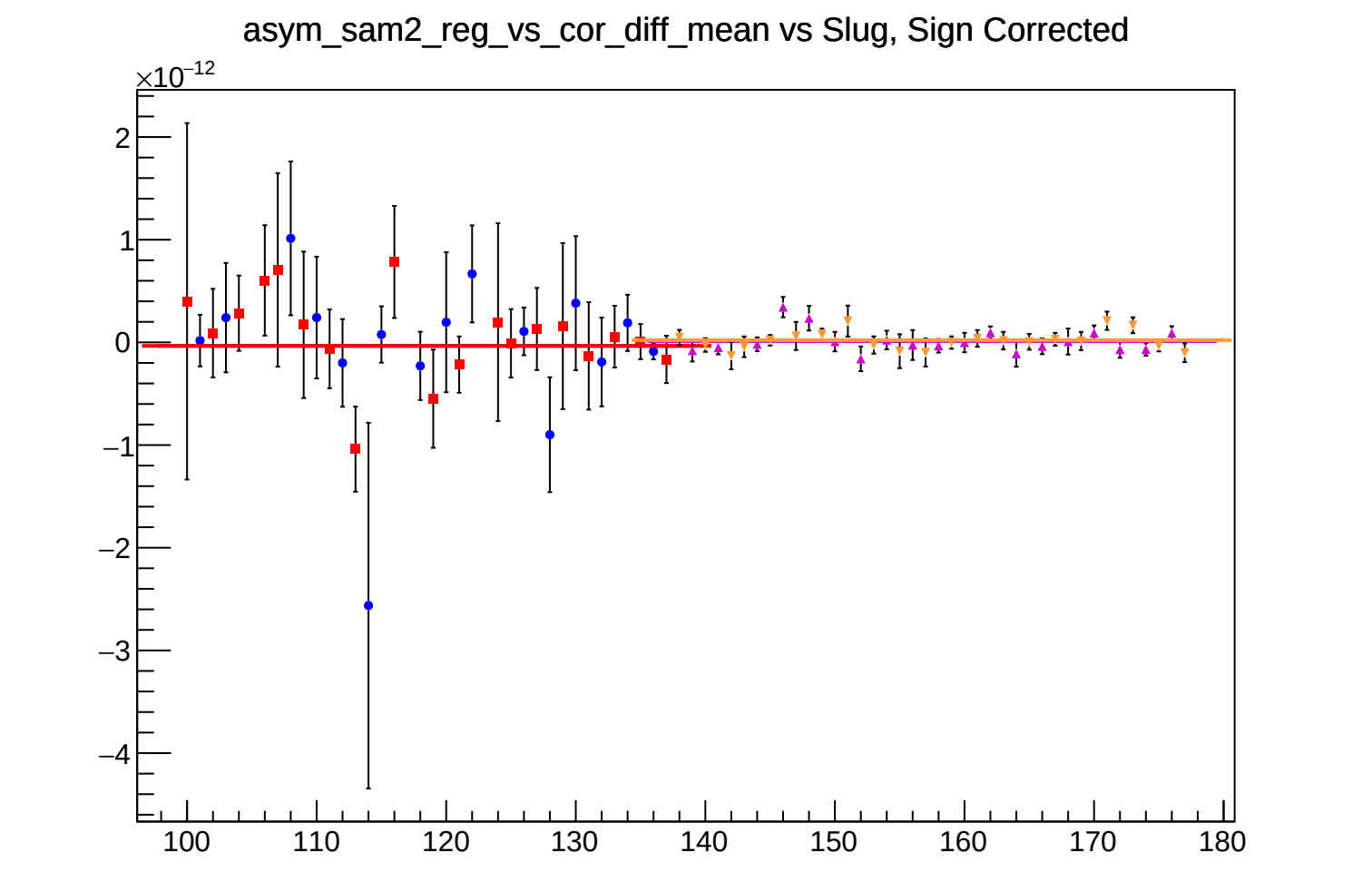
Left: 2070.120+/-0.260 χ^2/NDF: 908103.9/39

Right: 3633.956+/-0.701 χ^2/NDF: 2498515.1/34

In: 2261.541+/-0.350 χ^2/NDF:3551970.9/34

Out: 2257.713+/-0.341 χ^2/NDF:4222956.9/39

All: 2259.577+/-0.244 χ^2/NDF: 7774989.2/74



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.5/20

Right Out: -0.000+/-0.000 χ^2/NDF: 13.5/18

Left In: 0.000+/-0.000 χ^2/NDF:27.5/18

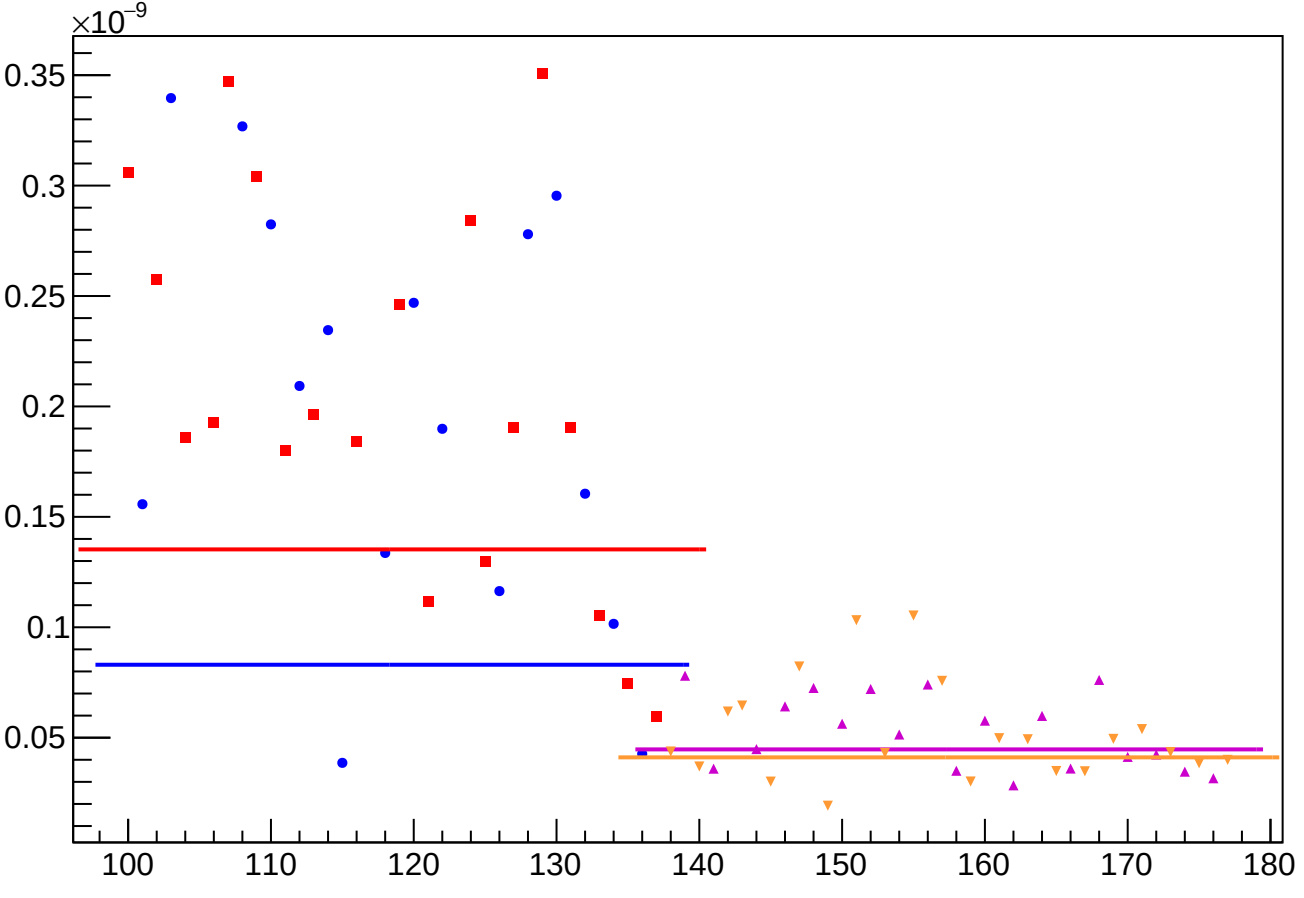
Left: 0.000+/-0.000 χ^2/NDF: 45.1/39

Right: -0.000+/-0.000 χ^2/NDF: 25.5/34

In: 0.000+/-0.000 χ^2/NDF:40.0/34

Out: 0.000+/-0.000 χ^2/NDF:31.4/39

All: 0.000+/-0.000 χ^2/NDF: 71.7/74



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1726118.1/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1179631.1/18

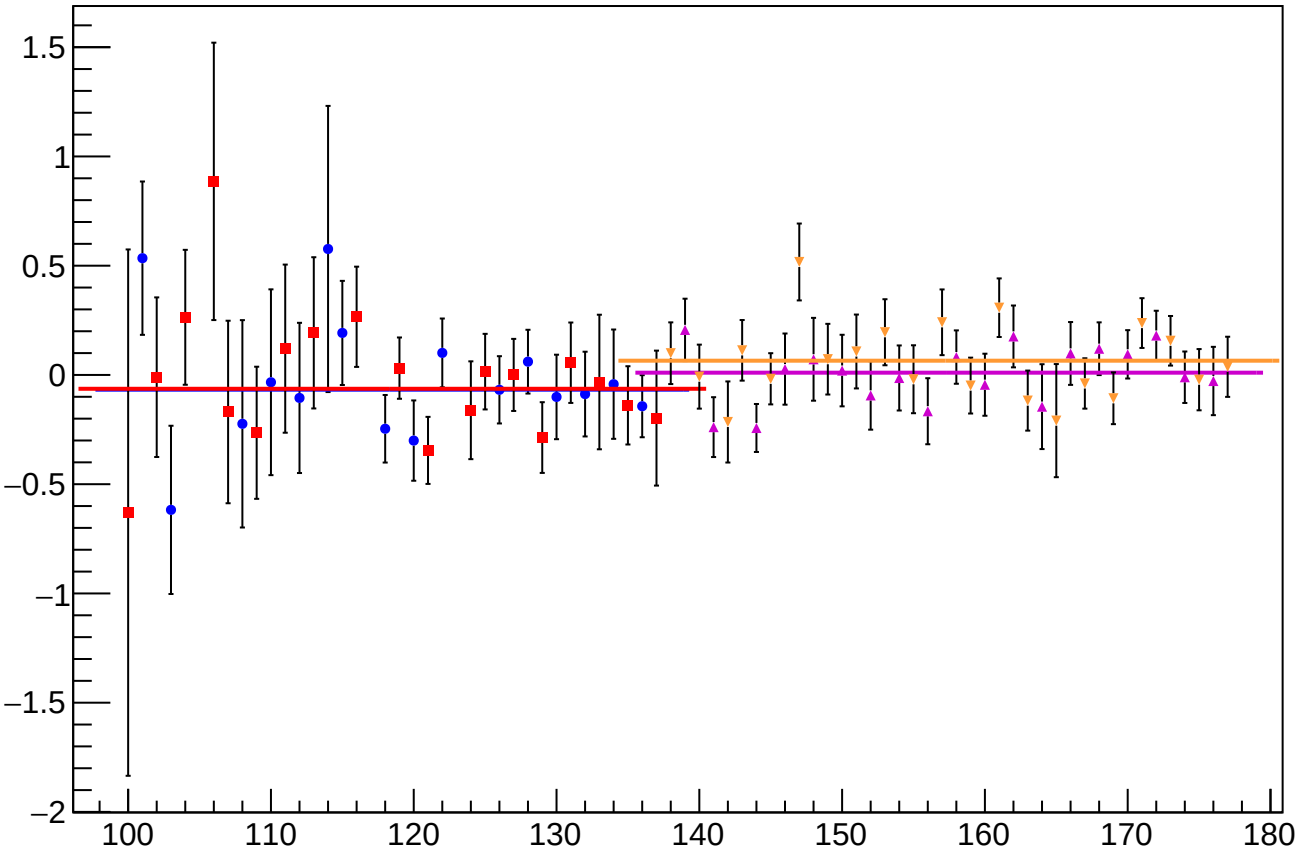
Left: 0.000+/-0.000 χ^2/NDF: 2945993.1/39

Right: 0.000+/-0.000 χ^2/NDF: 4605860.5/34

In: 0.000+/-0.000 χ^2/NDF:4610907.9/34

Out: 0.000+/-0.000 χ^2/NDF:5496533.0/39

All: 0.000+/-0.000 χ^2/NDF: 10145262.6/74



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.065+/-0.030 χ^2/NDF:25.5/20

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.010+/-0.032 χ^2/NDF:19.1/18

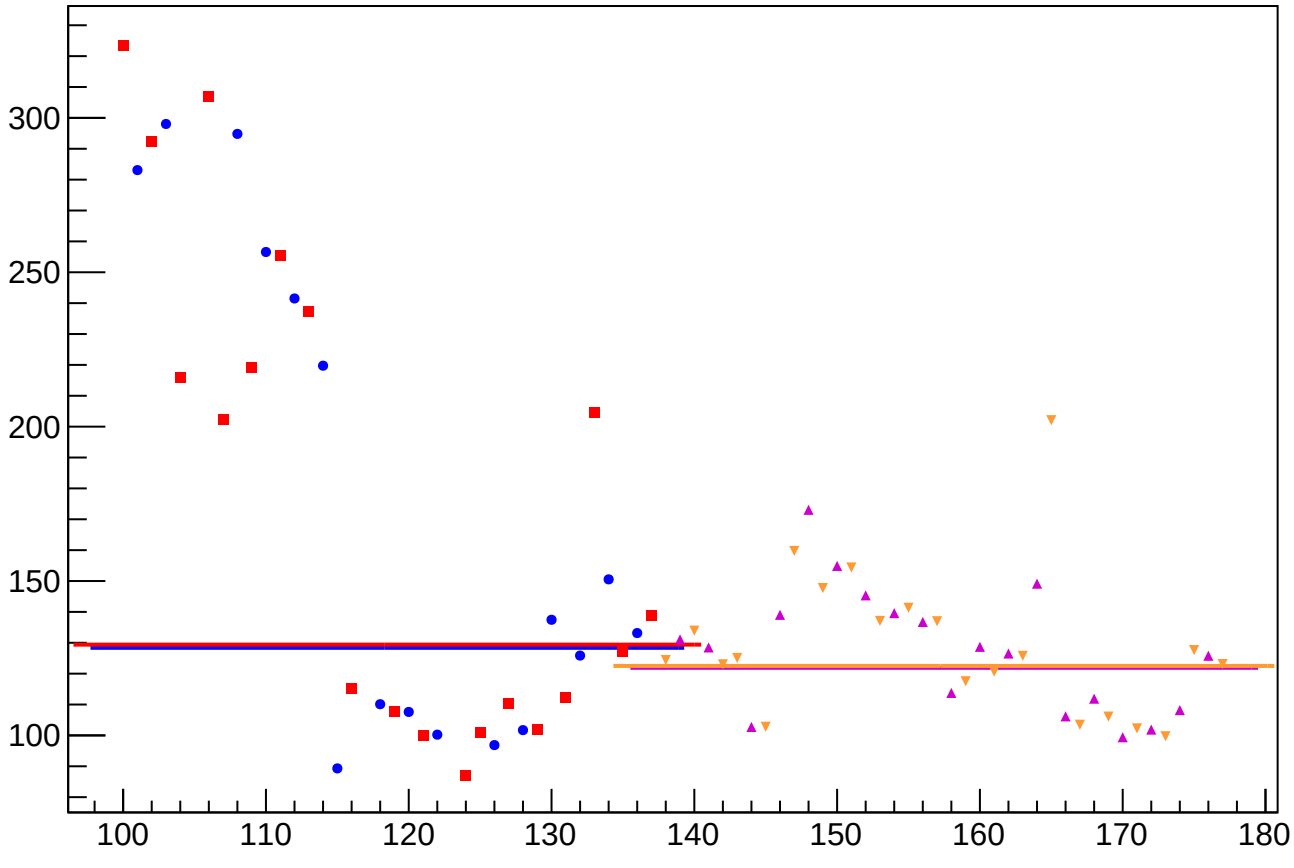
Left: 0.039+/-0.022 χ^2/NDF: 46.1/39

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.011+/-0.027 χ^2/NDF:33.2/34

Out: 0.032+/-0.026 χ^2/NDF:44.1/39

All: 0.011+/-0.019 χ^2/NDF: 78.6/74



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 122.502+/-0.022 χ^2/NDF:778424.2/20

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 121.897+/-0.022 χ^2/NDF:681213.9/18

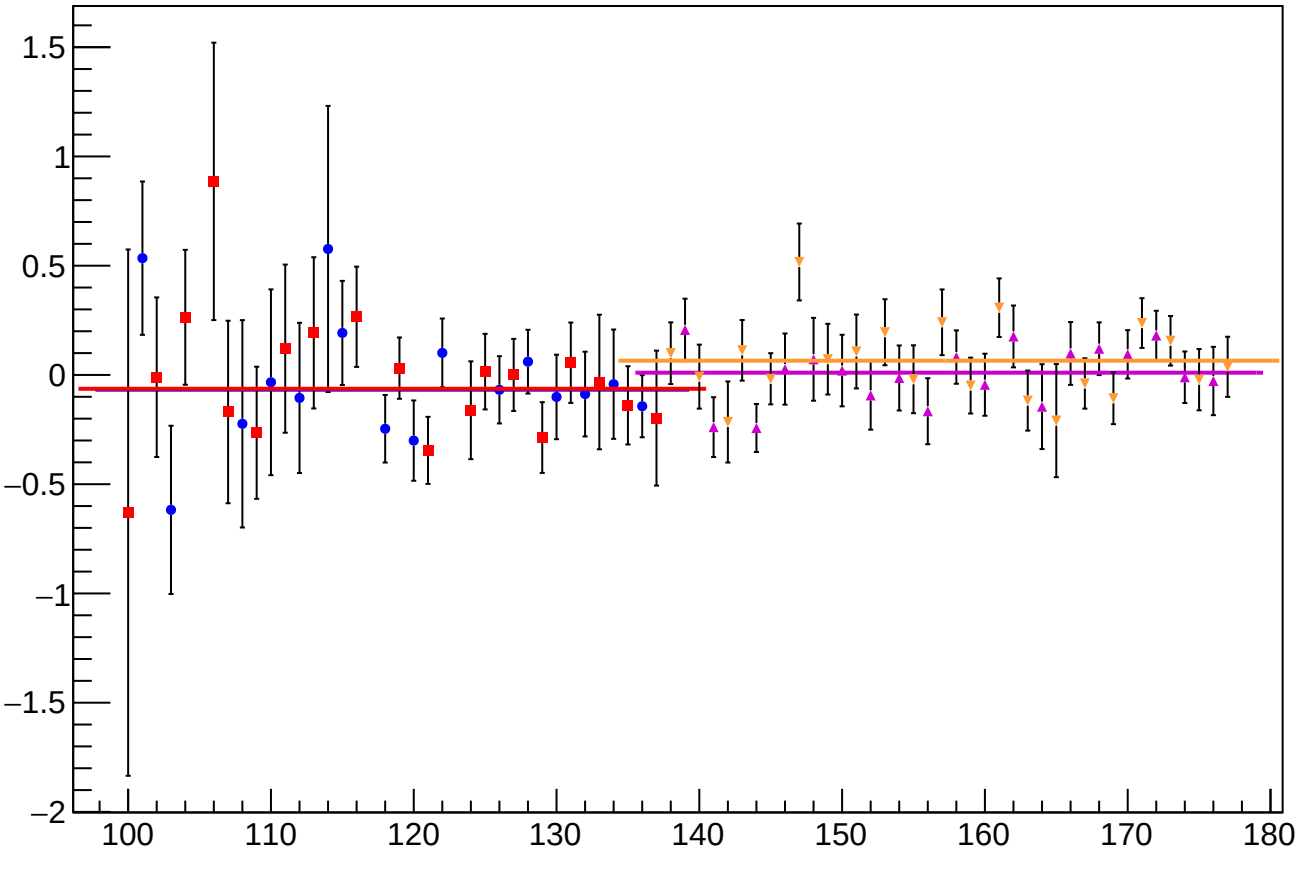
Left: 122.210+/-0.016 χ^2/NDF: 1460017.6/39

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 123.658+/-0.019 χ^2/NDF:2509136.7/34

Out: 124.286+/-0.019 χ^2/NDF:2693163.7/39

All: 123.981+/-0.013 χ^2/NDF: 5202857.3/74



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.065+/-0.030 χ^2/NDF:25.5/20

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.010+/-0.032 χ^2/NDF:19.1/18

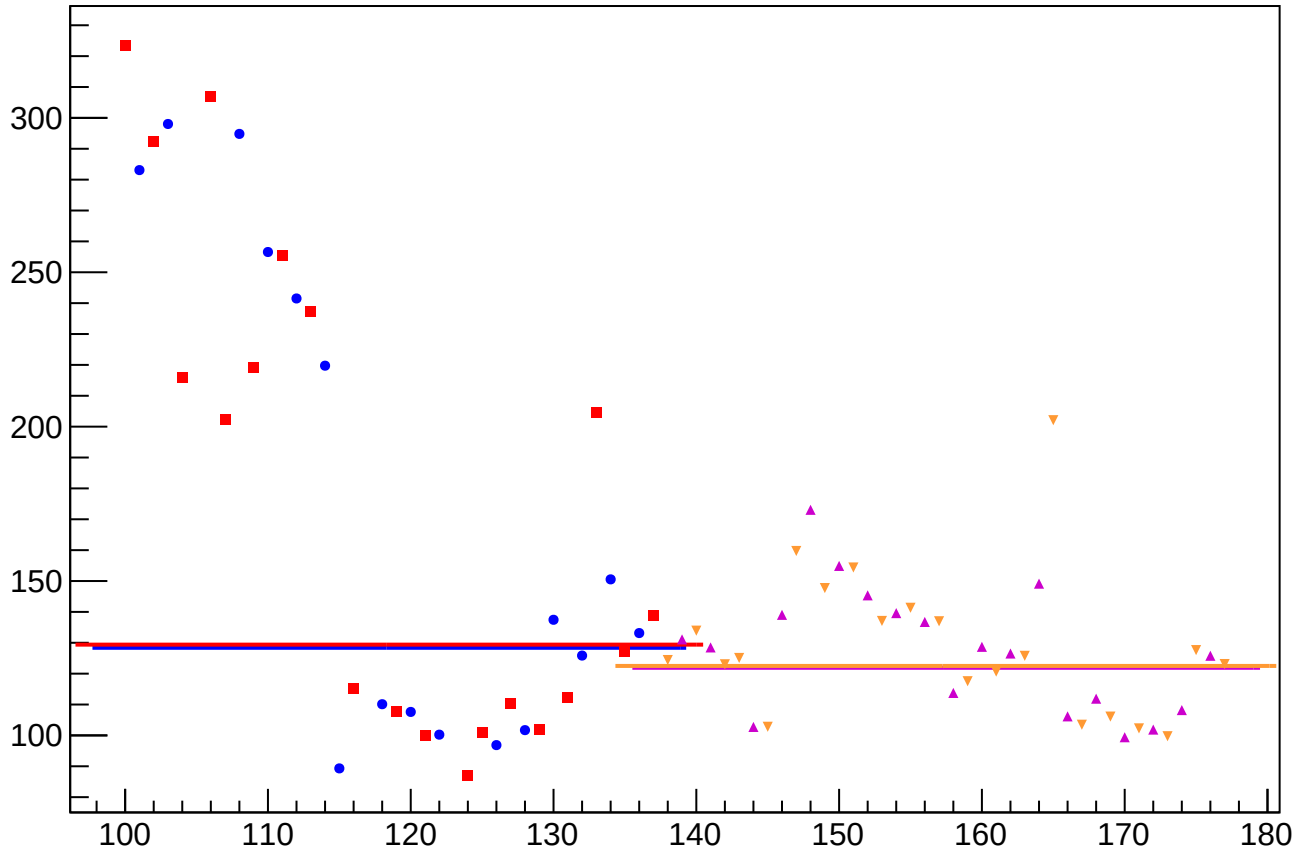
Left: 0.039+/-0.022 χ^2/NDF: 46.1/39

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.011+/-0.027 χ^2/NDF:33.2/34

Out: 0.032+/-0.026 χ^2/NDF:44.1/39

All: 0.011+/-0.019 χ^2/NDF: 78.6/74



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 122.502+/-0.022 χ^2/NDF:778424.2/20

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 121.897+/-0.022 χ^2/NDF:681213.9/18

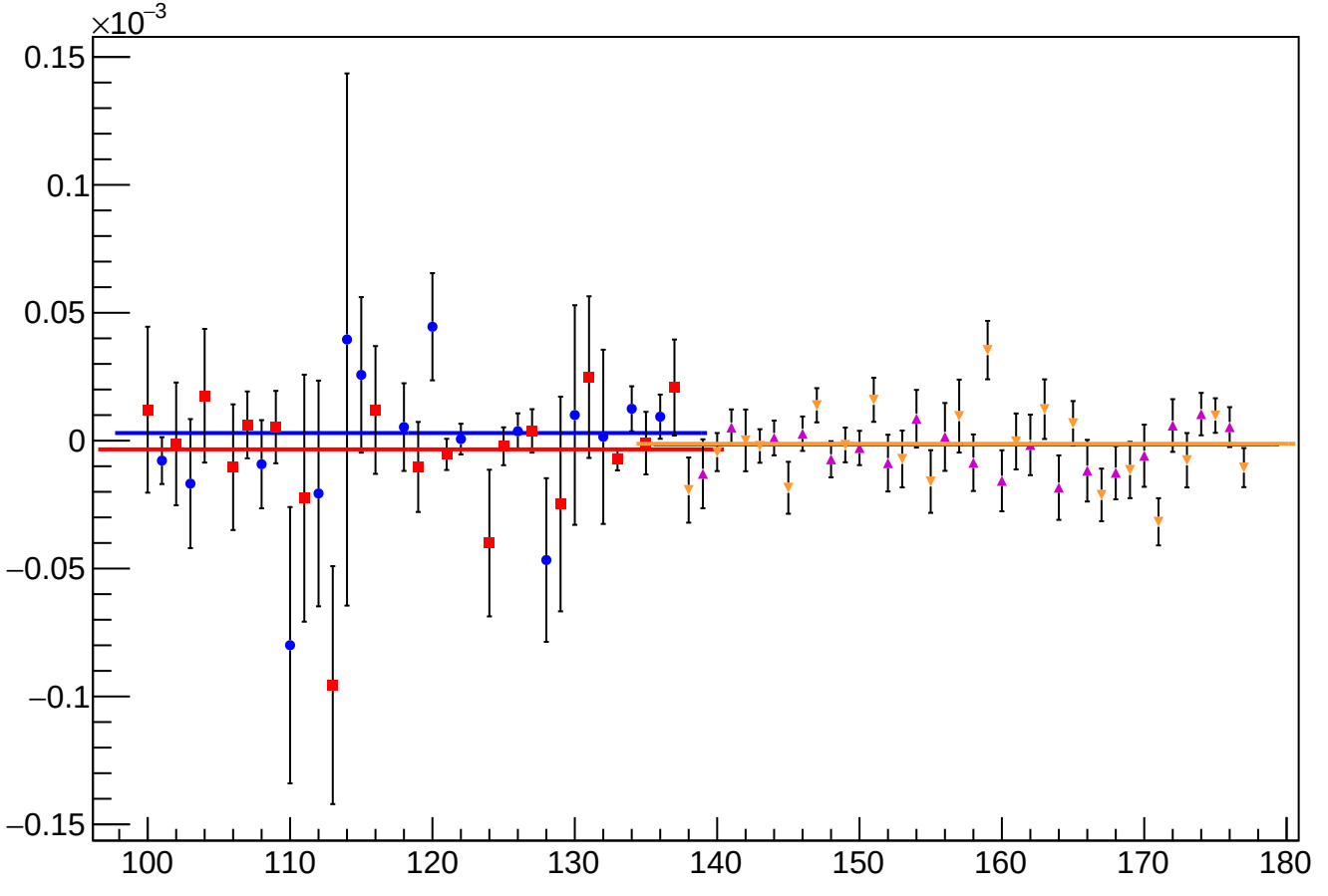
Left: 122.210+/-0.016 χ^2/NDF: 1460017.6/39

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 123.658+/-0.019 χ^2/NDF:2509136.7/34

Out: 124.286+/-0.019 χ^2/NDF:2693163.7/39

All: 123.981+/-0.013 χ^2/NDF: 5202857.3/74



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:49.1/20

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:13.1/18

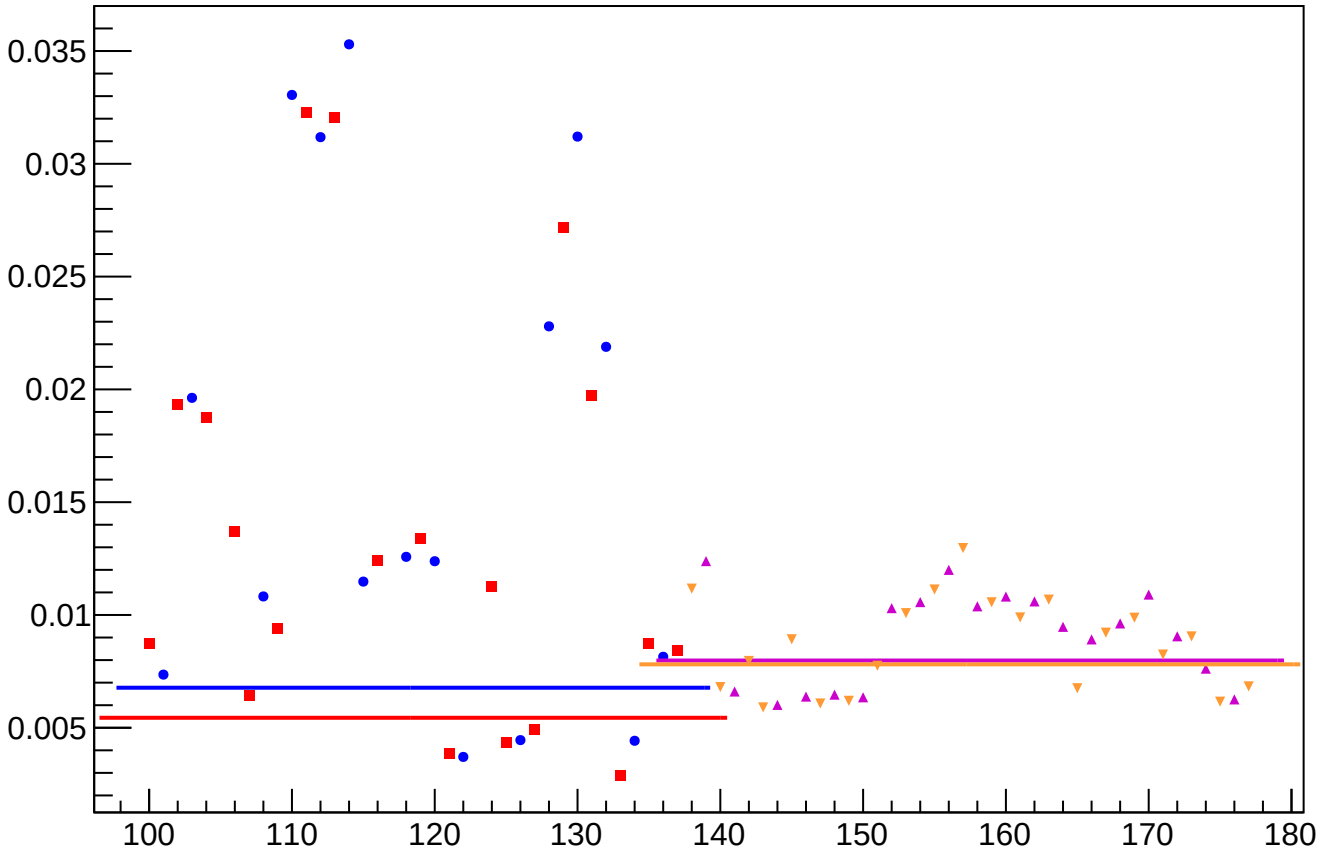
Left: -0.000+/-0.000 χ^2/NDF: 62.2/39

Right: -0.000+/-0.000 χ^2/NDF: 29.1/34

In: -0.000+/-0.000 χ^2/NDF:28.6/34

Out: -0.000+/-0.000 χ^2/NDF:62.2/39

All: -0.000+/-0.000 χ^2/NDF: 91.4/74



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1741851.1/20

Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.008+/-0.000 χ^2/NDF:1791714.7/18

Left: 0.008+/-0.000 χ^2/NDF: 3540453.0/39

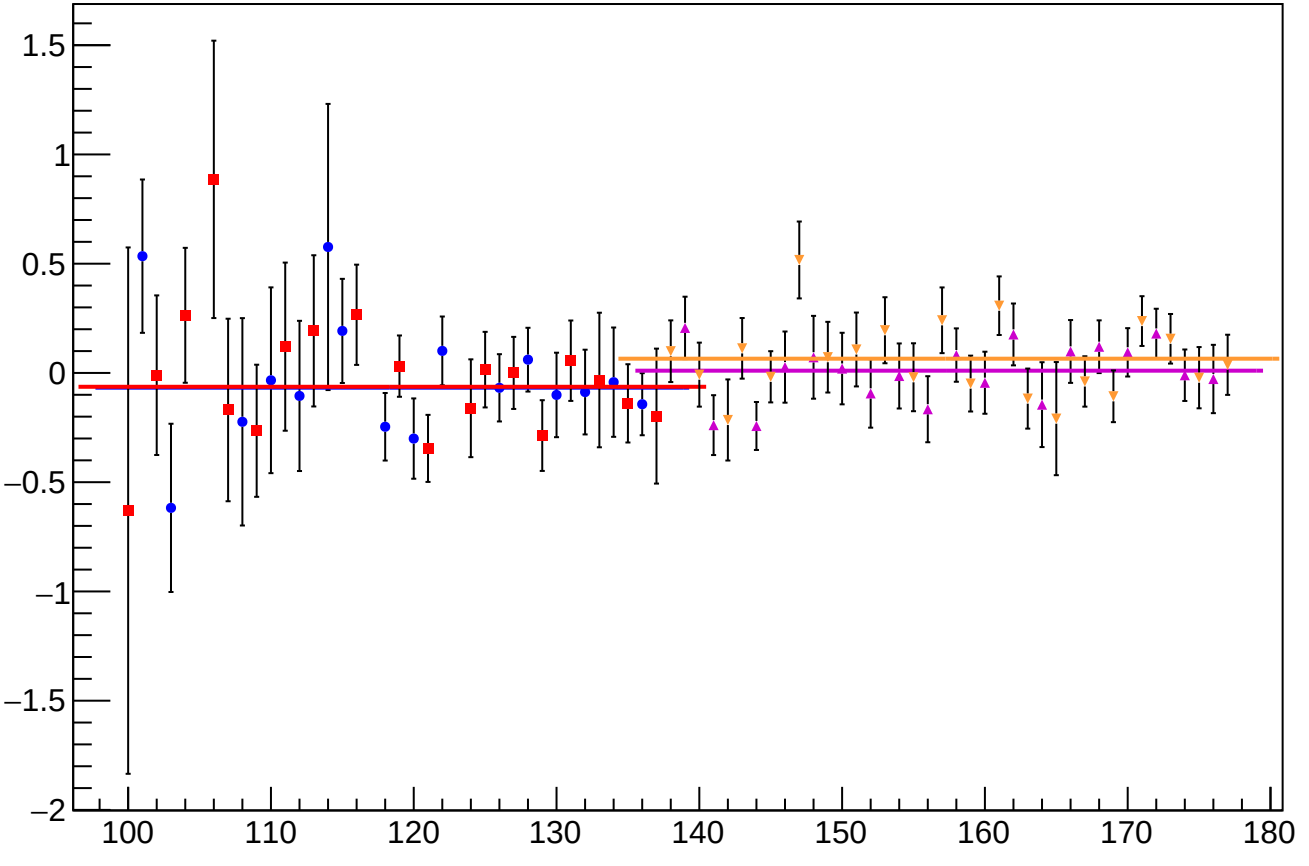
Right: 0.006+/-0.000 χ^2/NDF: 10558524.8/34

In: 0.008+/-0.000 χ^2/NDF:6767132.3/34

Out: 0.007+/-0.000 χ^2/NDF:8367901.1/39

All: 0.007+/-0.000 χ^2/NDF: 15295444.8/74

asym_sam2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.065+/-0.030 χ^2/NDF:25.5/20

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.010+/-0.032 χ^2/NDF:19.1/18

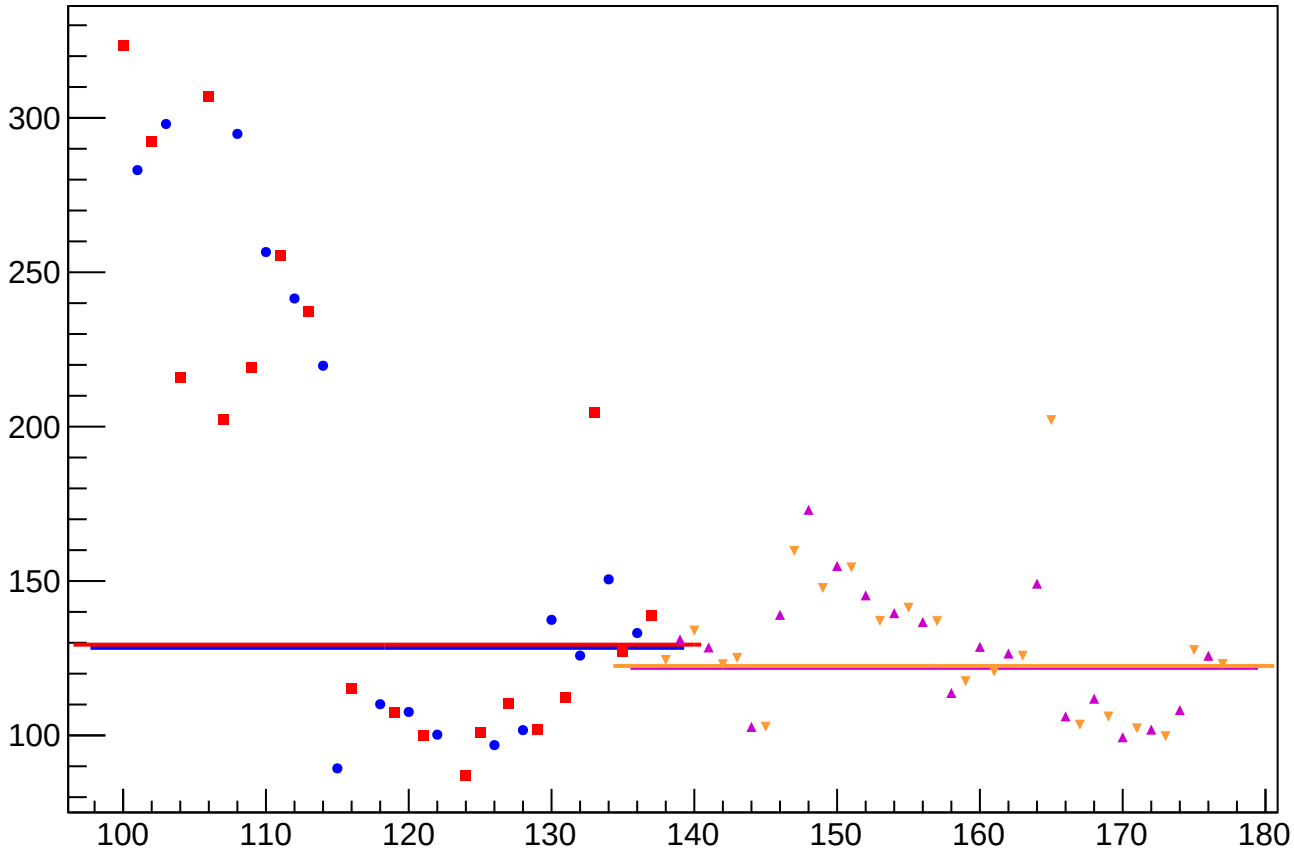
Left: 0.039+/-0.022 χ^2/NDF: 46.1/39

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.011+/-0.027 χ^2/NDF:33.2/34

Out: 0.032+/-0.026 χ^2/NDF:44.1/39

All: 0.011+/-0.019 χ^2/NDF: 78.6/74



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 122.502+/-0.022 χ^2/NDF:778470.1/20

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 121.896+/-0.022 χ^2/NDF:681239.9/18

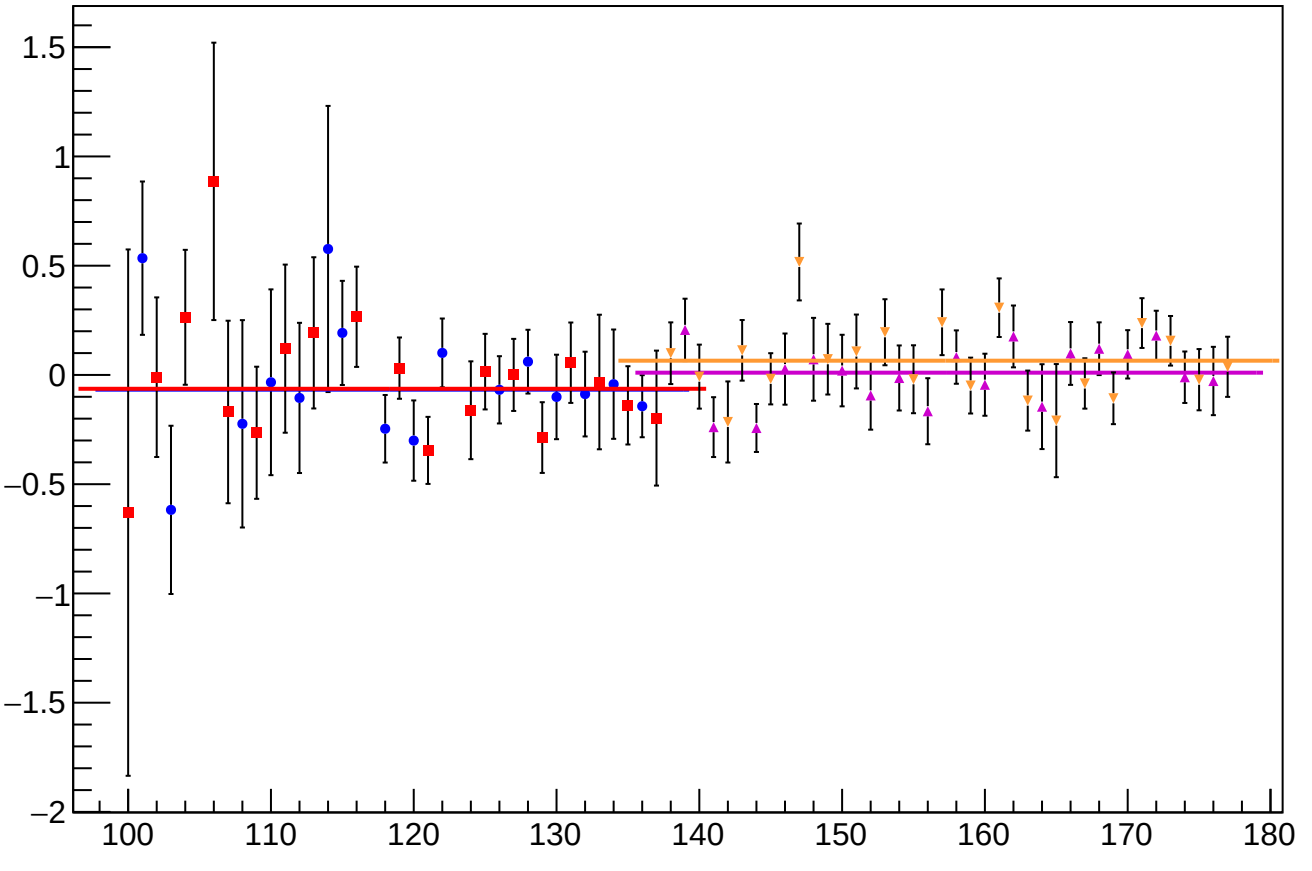
Left: 122.210+/-0.016 χ^2/NDF: 1460089.5/39

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 123.657+/-0.019 χ^2/NDF:2509092.4/34

Out: 124.285+/-0.019 χ^2/NDF:2693189.3/39

All: 123.980+/-0.013 χ^2/NDF: 5202838.8/74



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.065+/-0.030 χ^2/NDF:25.5/20

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.010+/-0.032 χ^2/NDF:19.1/18

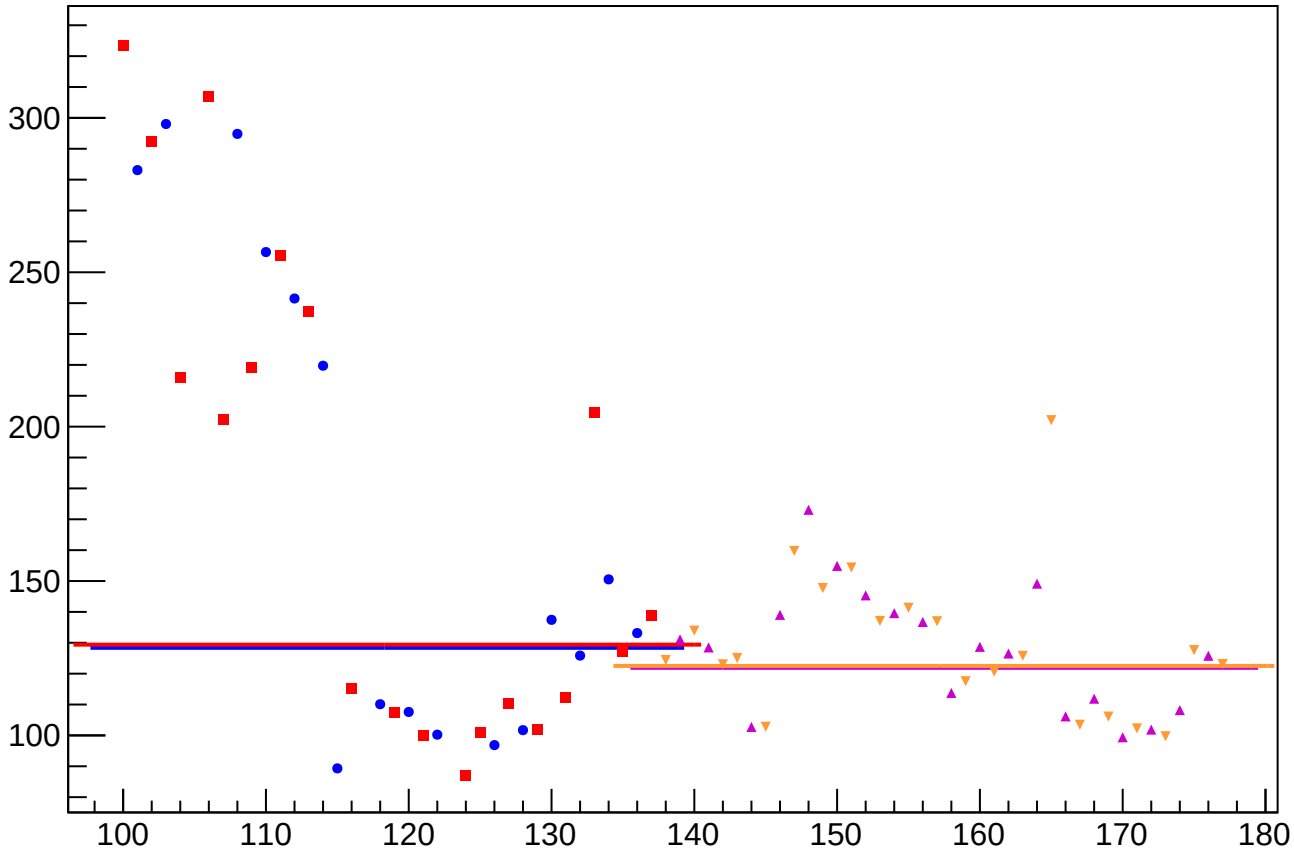
Left: 0.039+/-0.022 χ^2/NDF: 46.1/39

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.011+/-0.027 χ^2/NDF:33.2/34

Out: 0.032+/-0.026 χ^2/NDF:44.1/39

All: 0.011+/-0.019 χ^2/NDF: 78.6/74



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 122.502+/-0.022 χ^2/NDF:778470.1/20

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 121.896+/-0.022 χ^2/NDF:681239.9/18

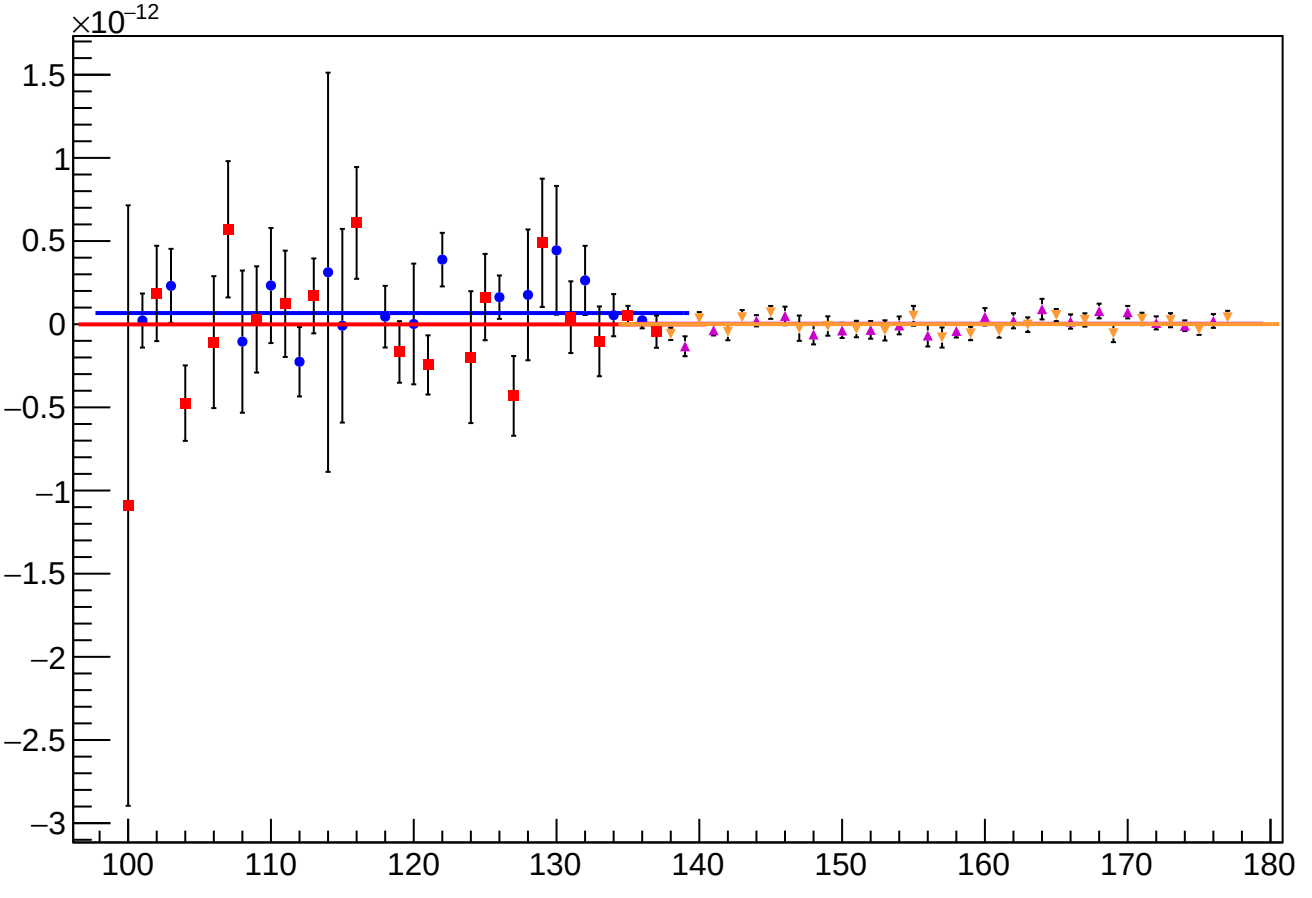
Left: 122.210+/-0.016 χ^2/NDF: 1460089.5/39

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 123.657+/-0.019 χ^2/NDF:2509092.4/34

Out: 124.285+/-0.019 χ^2/NDF:2693189.3/39

All: 123.980+/-0.013 χ^2/NDF: 5202838.8/74



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/20

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: 0.000+/-0.000 χ^2/NDF:22.1/18

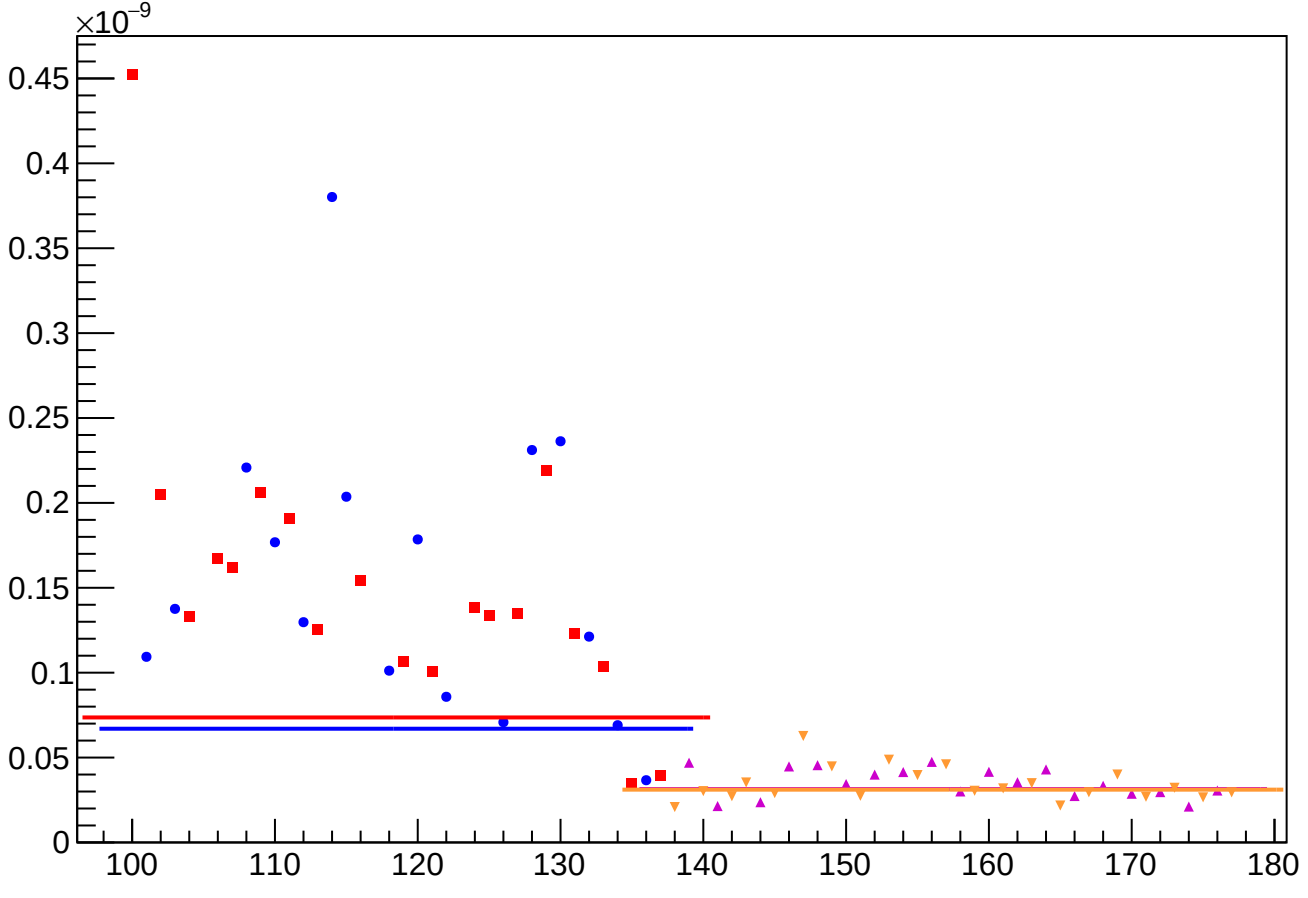
Left: 0.000+/-0.000 χ^2/NDF: 43.3/39

Right: 0.000+/-0.000 χ^2/NDF: 32.7/34

In: 0.000+/-0.000 χ^2/NDF:35.4/34

Out: 0.000+/-0.000 χ^2/NDF:41.8/39

All: 0.000+/-0.000 χ^2/NDF: 77.5/74



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1262027.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1317936.1/18

Left: 0.000+/-0.000 χ^2/NDF: 2581365.6/39

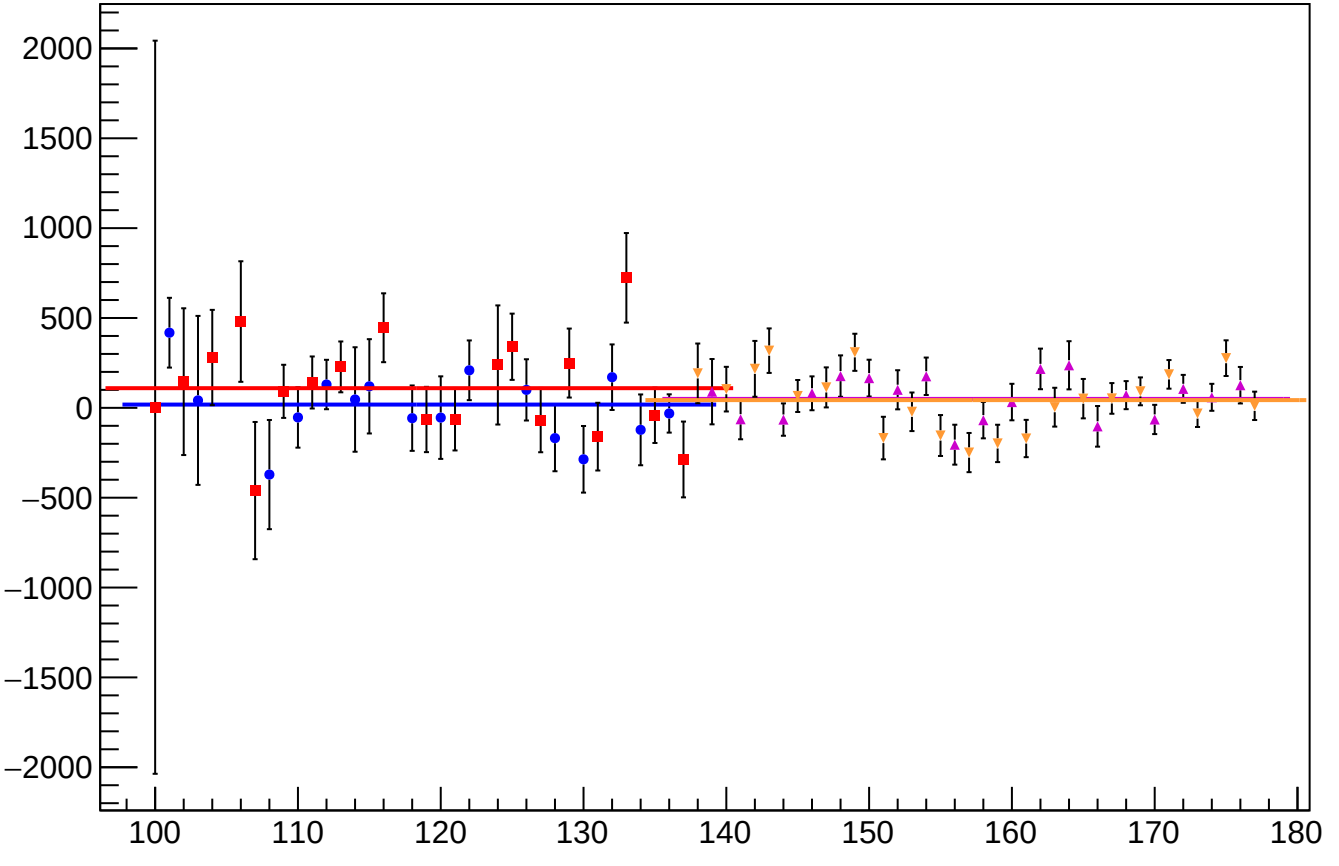
Right: 0.000+/-0.000 χ^2/NDF: 6865290.4/34

In: 0.000+/-0.000 χ^2/NDF:6293760.4/34

Out: 0.000+/-0.000 χ^2/NDF:7117559.8/39

All: 0.000+/-0.000 χ^2/NDF: 13414799.7/74

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 43.024+/-21.907 χ^2/NDF:48.2/20

Right Out: 109.432+/-45.825 χ^2/NDF: 25.5/18

Left In: 49.750+/-22.722 χ^2/NDF:22.7/18

Left: 46.264+/-15.771 χ^2/NDF: 70.9/39

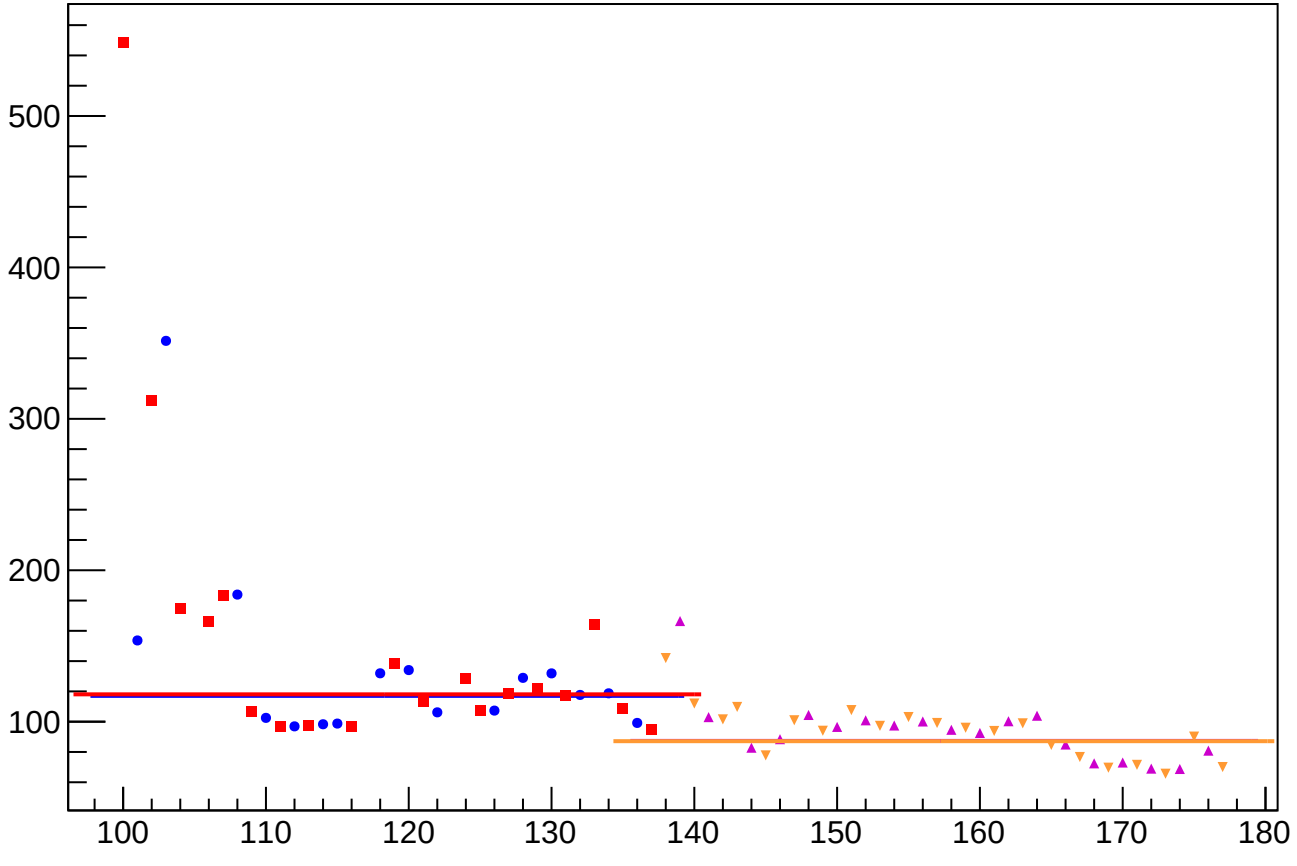
Right: 63.698+/-32.360 χ^2/NDF: 41.3/34

In: 43.498+/-20.346 χ^2/NDF:37.0/34

Out: 55.378+/-19.765 χ^2/NDF:75.3/39

All: 49.610+/-14.177 χ^2/NDF: 112.5/74

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 87.124+/-0.015 χ^2/NDF:1103261.1/20

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

Left In: 87.304+/-0.016 χ^2/NDF:1010388.0/18

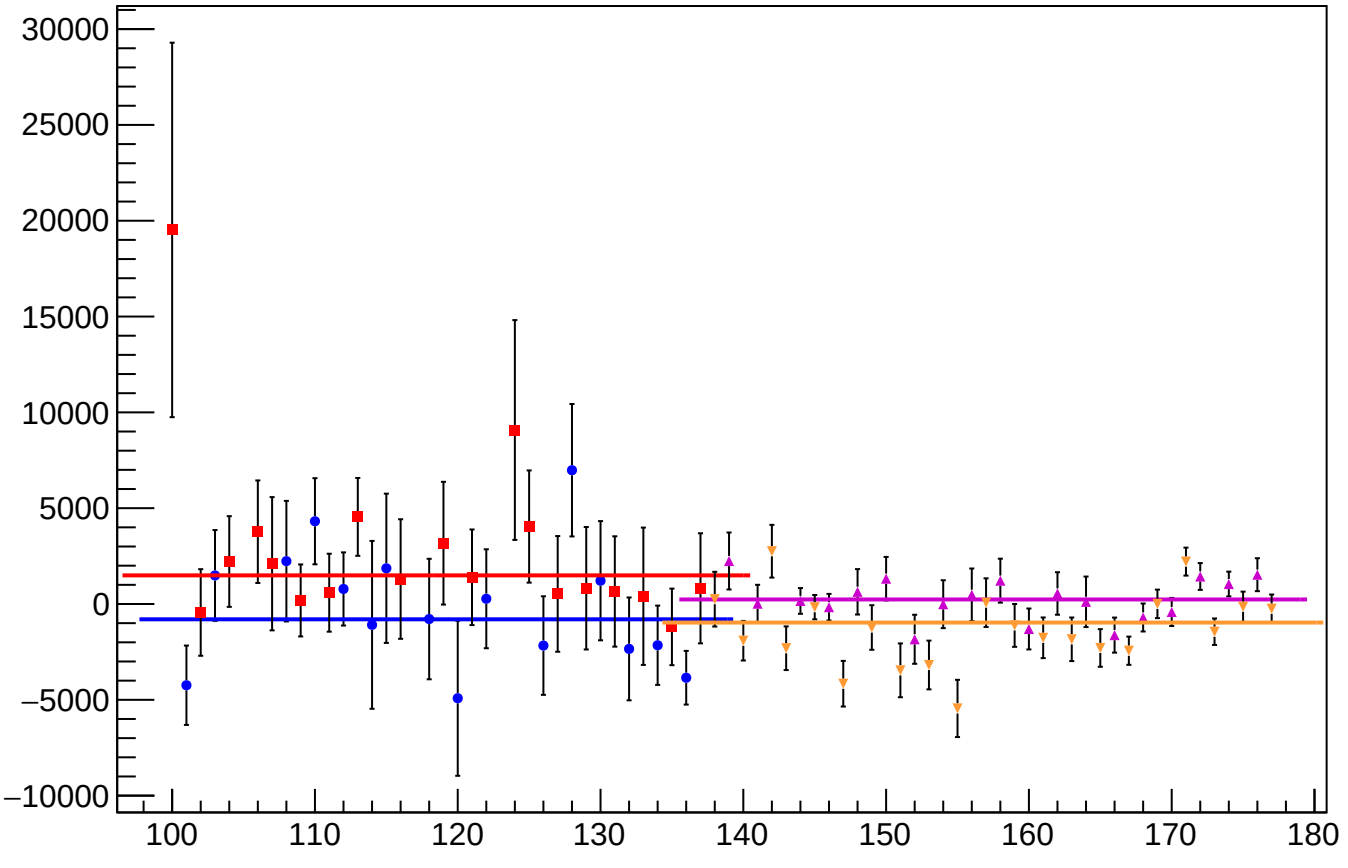
Left: 87.211+/-0.011 χ^2/NDF: 2113713.7/39

Right: 117.559+/-0.023 χ^2/NDF: 1849621.4/34

In: 93.201+/-0.014 χ^2/NDF:2548662.5/34

Out: 92.879+/-0.014 χ^2/NDF:2835818.1/39

All: 93.035+/-0.010 χ^2/NDF: 5384739.4/74



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -969.038+/-206.624 χ^2/NDF:65.2/20

Right Out: 1493.897+/-613.097 χ^2/NDF: 12.9/18

Left In: 236.521+/-209.424 χ^2/NDF:22.2/18

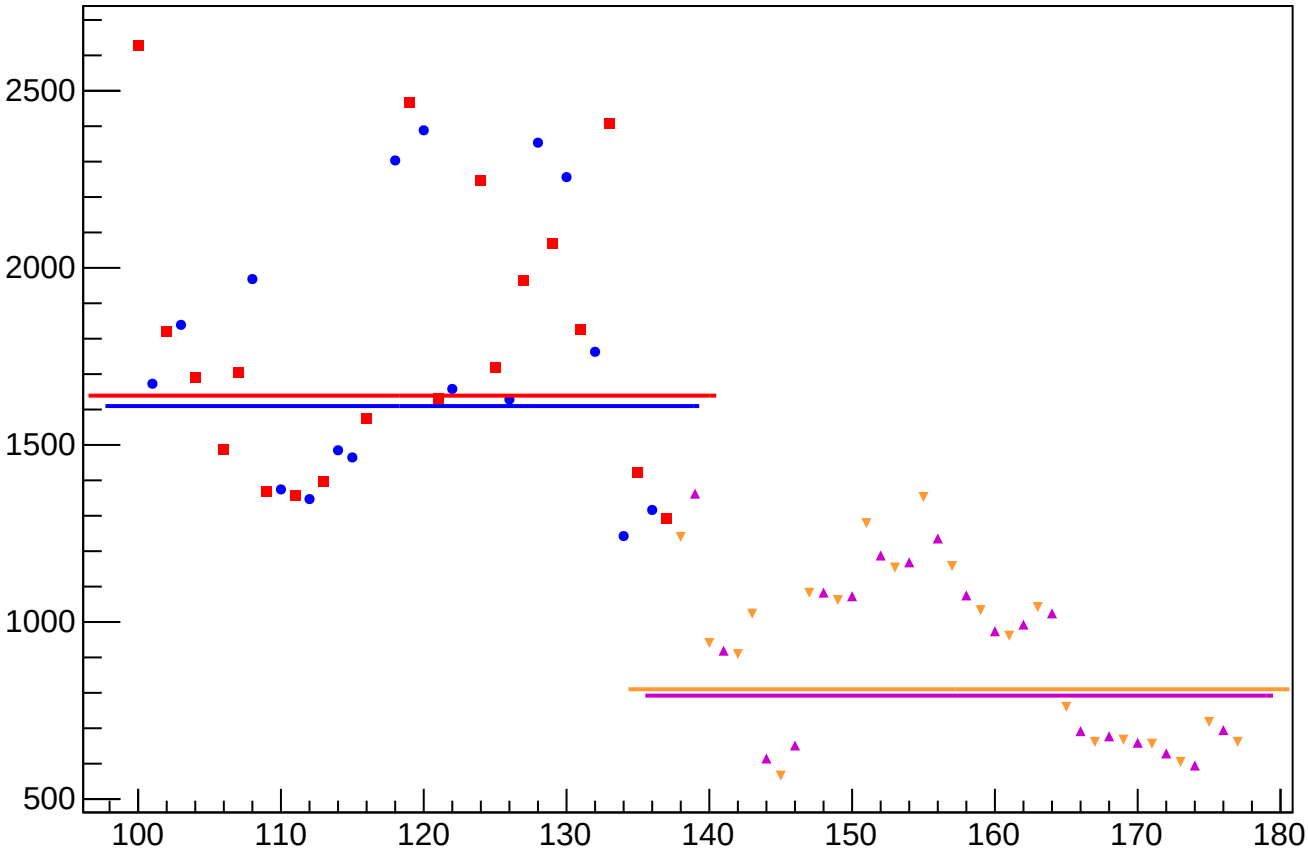
Left: -374.372+/-147.085 χ^2/NDF: 104.2/39

Right: 352.815+/-434.551 χ^2/NDF: 43.3/34

In: 129.222+/-198.279 χ^2/NDF:48.2/34

Out: -717.829+/-195.803 χ^2/NDF:92.6/39

All: -299.625+/-139.321 χ^2/NDF: 150.0/74



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 810.111+/-0.146 χ^2/NDF:2308698.6/20

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

Left In: 792.174+/-0.148 χ^2/NDF:2142909.8/18

Left: 801.264+/-0.104 χ^2/NDF: 4459042.8/39

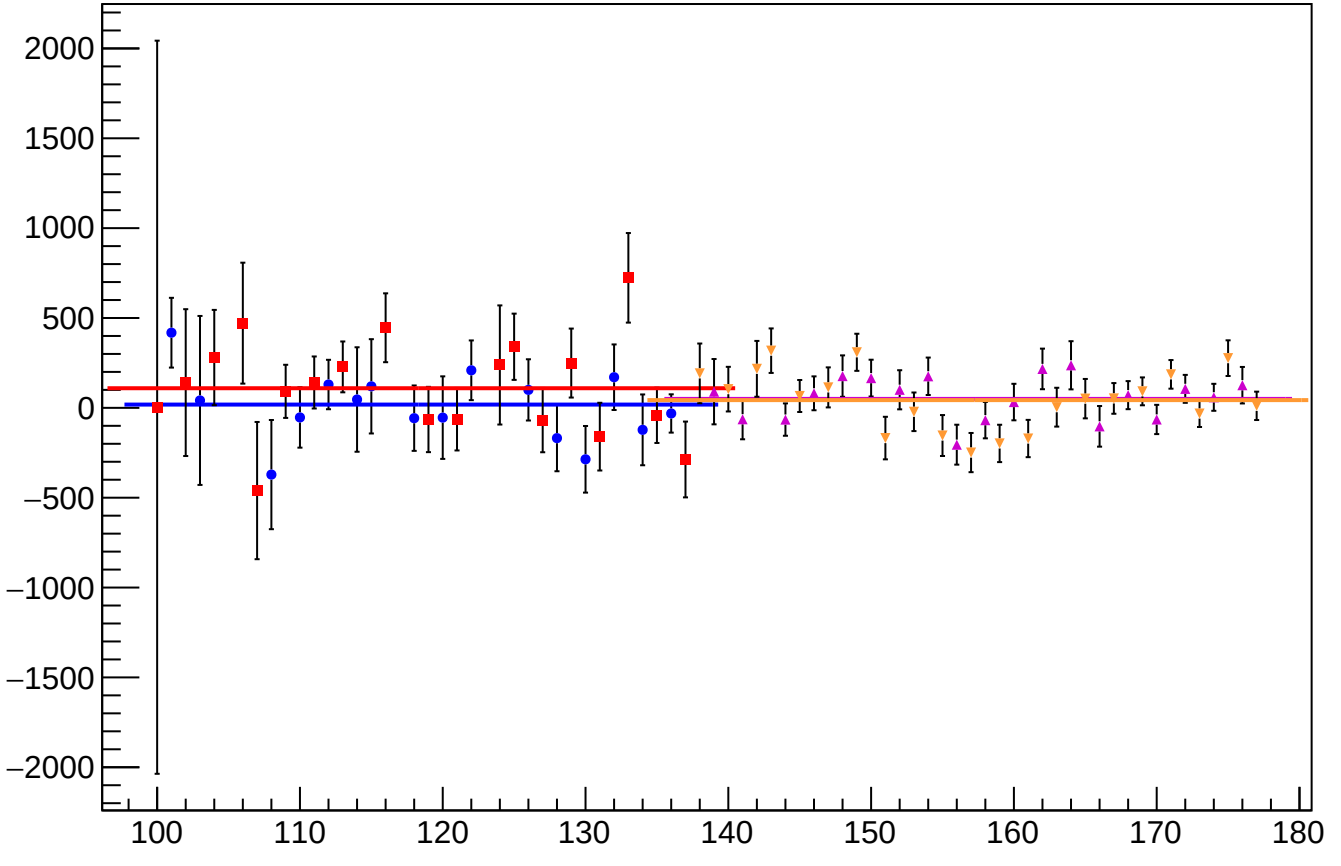
Right: 1624.581+/-0.307 χ^2/NDF: 1141609.2/34

In: 876.882+/-0.140 χ^2/NDF:5920276.4/34

Out: 894.679+/-0.138 χ^2/NDF:6113576.2/39

All: 885.892+/-0.099 χ^2/NDF: 12042009.9/74

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 43.028+/-21.907 χ^2/NDF:48.2/20

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 49.751+/-22.722 χ^2/NDF:22.7/18

Left: 46.267+/-15.771 χ^2/NDF: 70.9/39

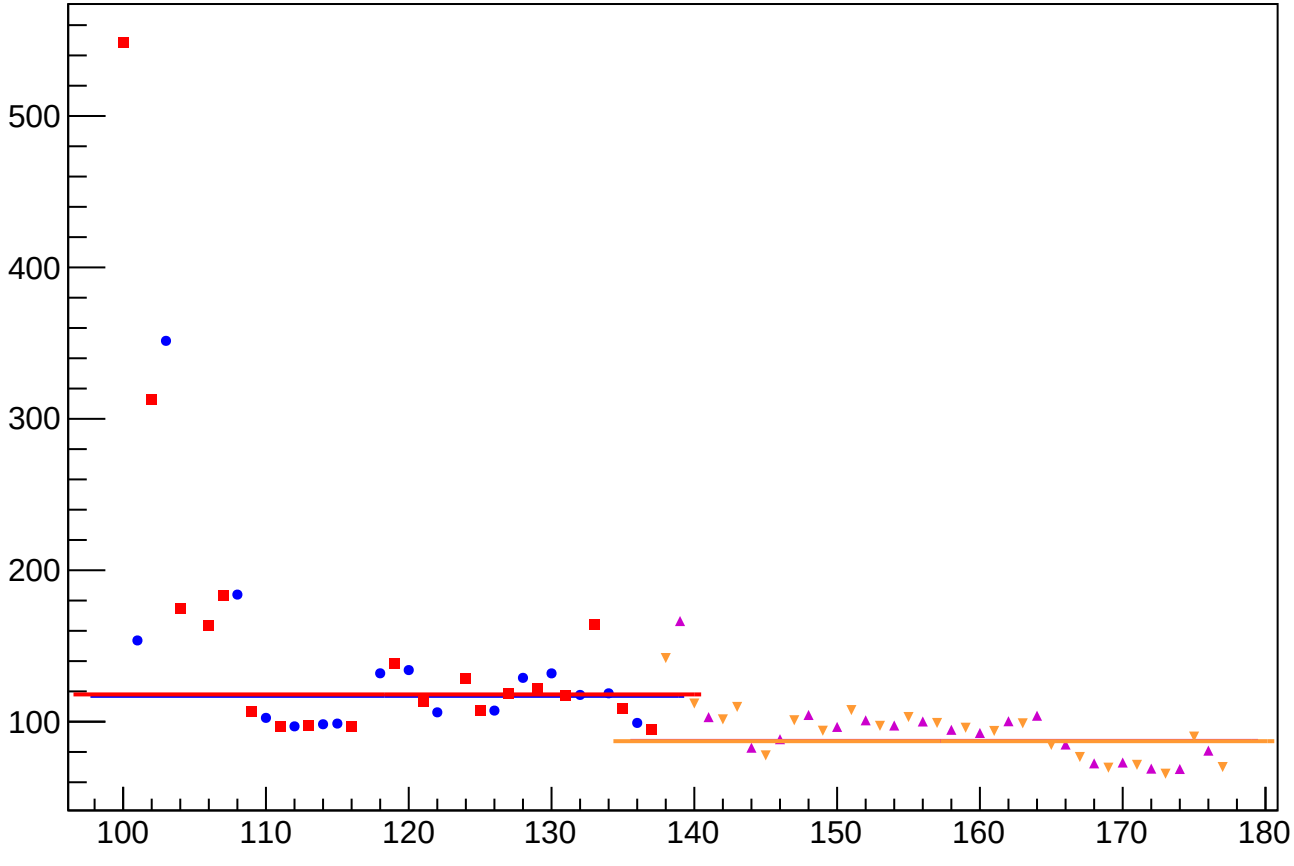
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 43.497+/-20.346 χ^2/NDF:37.0/34

Out: 55.327+/-19.765 χ^2/NDF:75.3/39

All: 49.583+/-14.177 χ^2/NDF: 112.4/74

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 87.124+/-0.015 χ^2/NDF:1103261.0/20

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 87.304+/-0.016 χ^2/NDF:1010388.0/18

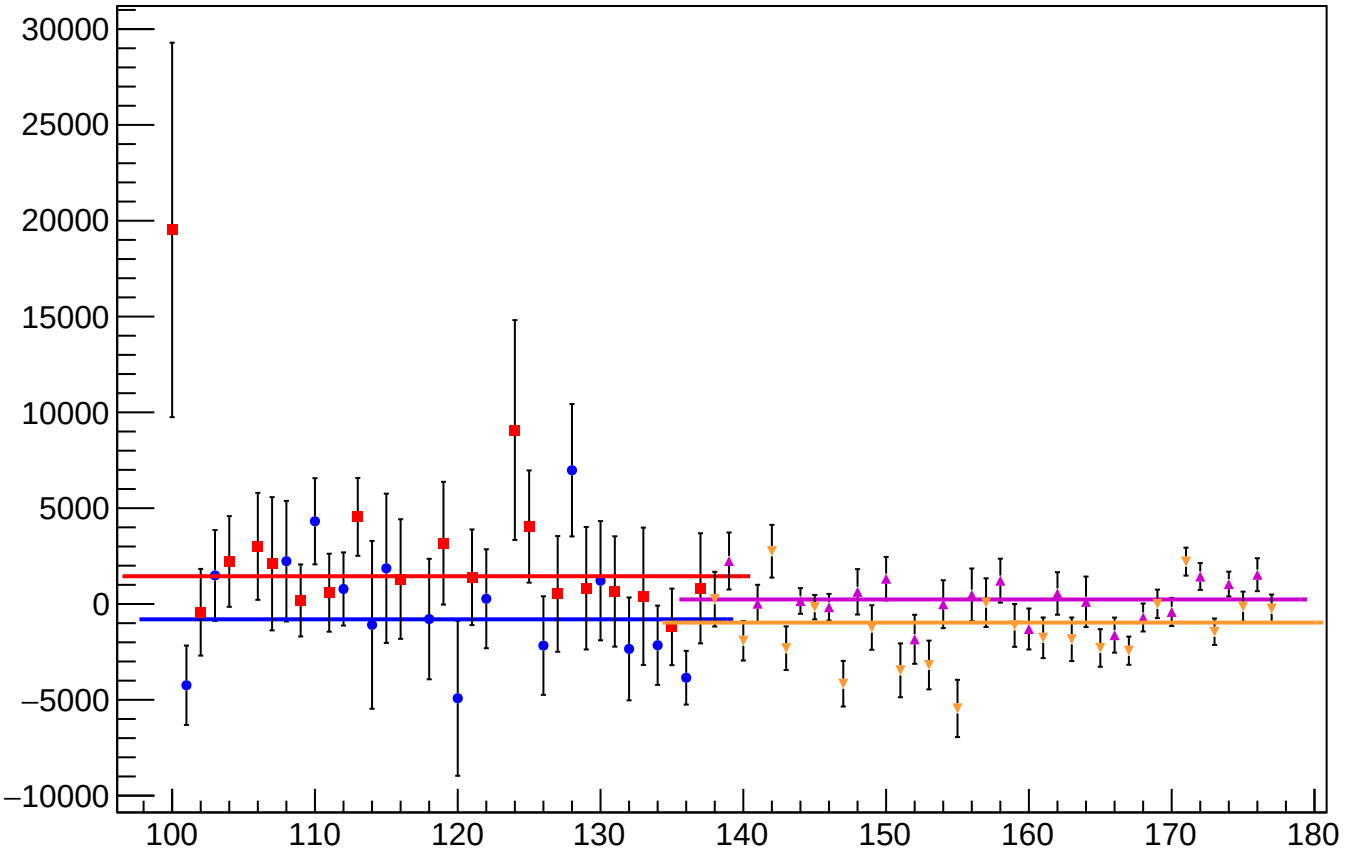
Left: 87.211+/-0.011 χ^2/NDF: 2113713.6/39

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 93.201+/-0.014 χ^2/NDF:2548664.1/34

Out: 92.868+/-0.014 χ^2/NDF:2829063.2/39

All: 93.030+/-0.010 χ^2/NDF: 5378002.8/74



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -969.029+/-206.624 χ^2/NDF:65.2/20

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 236.524+/-209.424 χ^2/NDF:22.2/18

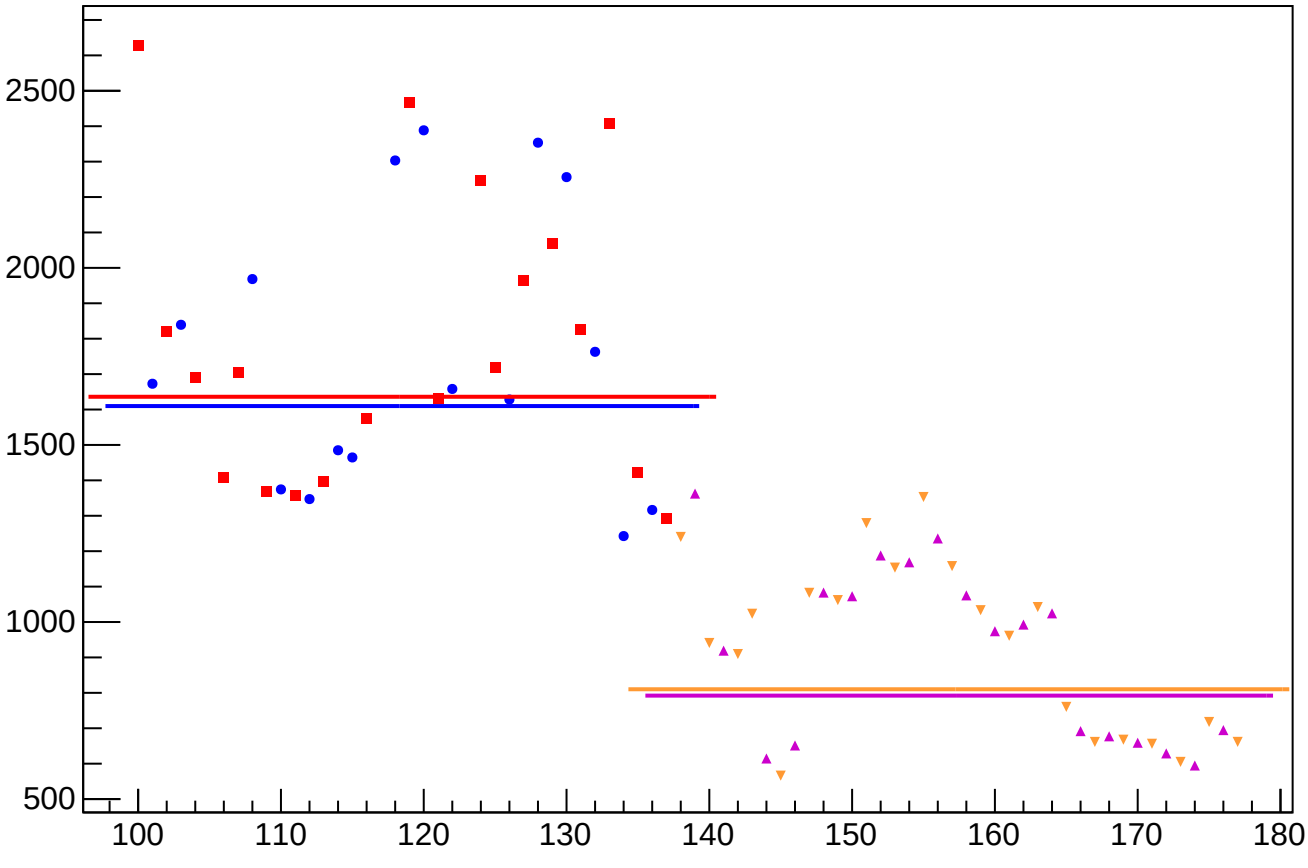
Left: -374.367+/-147.085 χ^2/NDF: 104.2/39

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: 129.228+/-198.279 χ^2/NDF:48.2/34

Out: -723.429+/-195.847 χ^2/NDF:91.6/39

All: -302.362+/-139.337 χ^2/NDF: 149.1/74



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 810.111+/-0.146 χ^2/NDF:2308701.3/20

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 792.174+/-0.148 χ^2/NDF:2142908.6/18

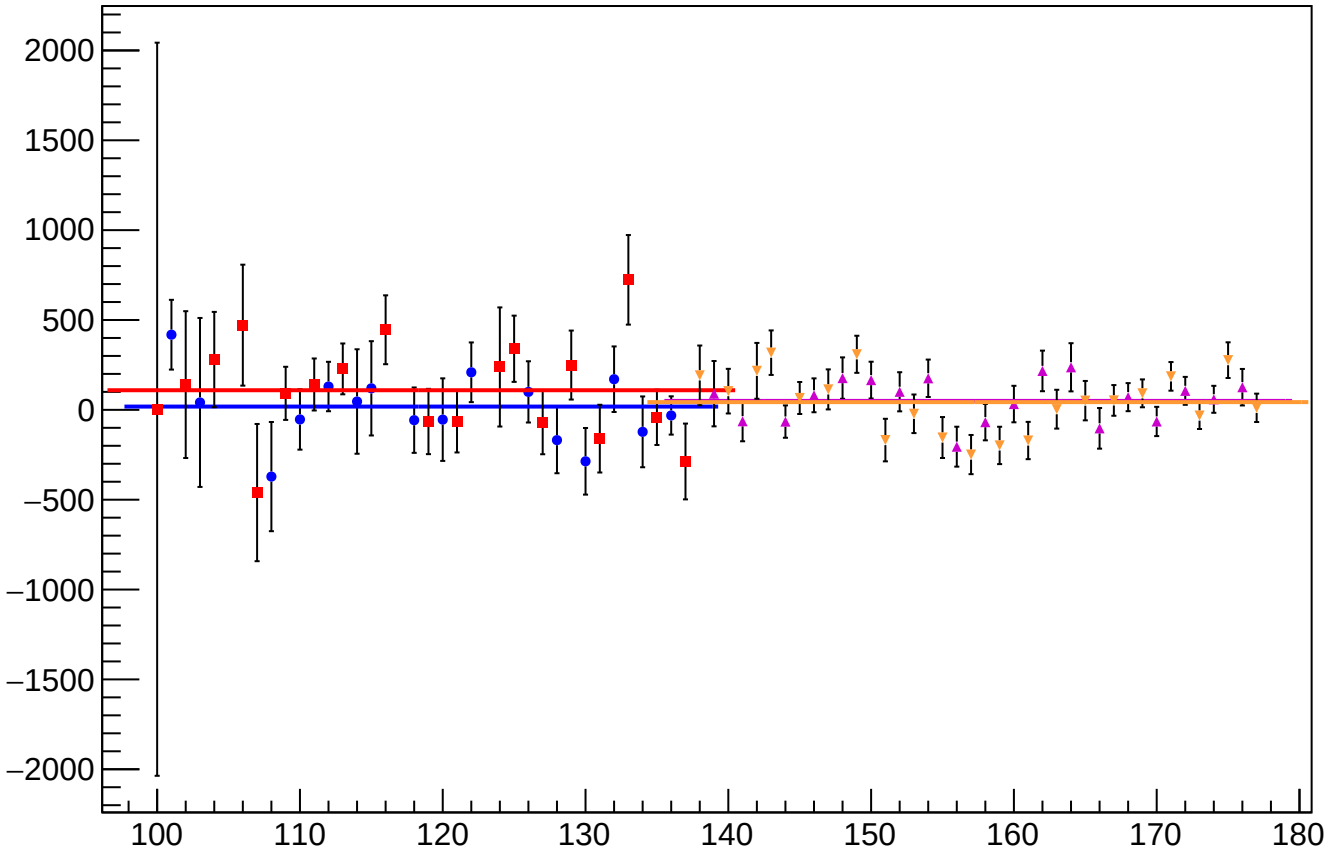
Left: 801.263+/-0.104 χ^2/NDF: 4459044.0/39

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 876.882+/-0.140 χ^2/NDF:5920334.7/34

Out: 894.021+/-0.138 χ^2/NDF:6083128.3/39

All: 885.557+/-0.099 χ^2/NDF: 12011027.0/74



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 43.028+/-21.907 χ^2/NDF:48.2/20

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 49.751+/-22.722 χ^2/NDF:22.7/18

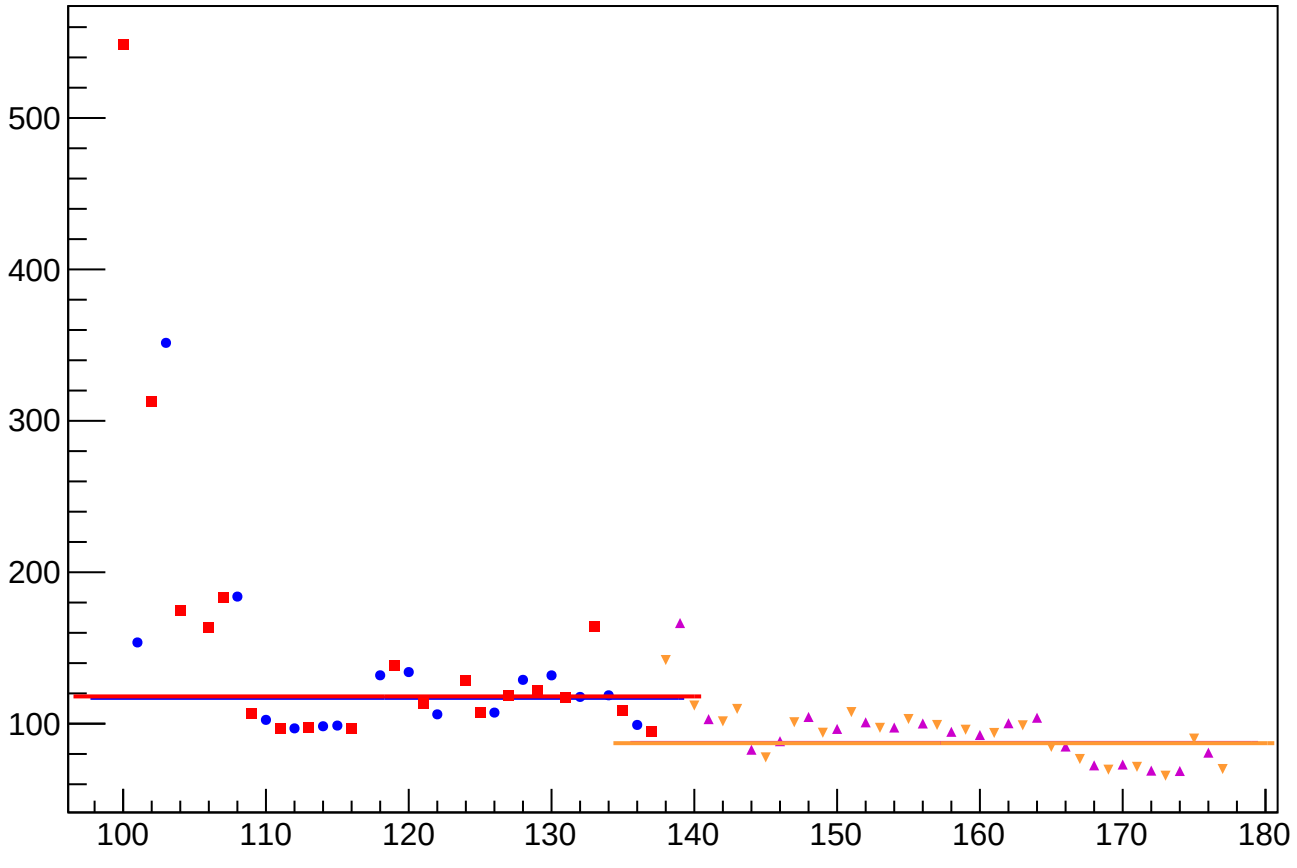
Left: 46.267+/-15.771 χ^2/NDF: 70.9/39

Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 43.497+/-20.346 χ^2/NDF:37.0/34

Out: 55.327+/-19.765 χ^2/NDF:75.3/39

All: 49.583+/-14.177 χ^2/NDF: 112.4/74



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 87.124+/-0.015 χ^2/NDF:1103261.0/20

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 87.304+/-0.016 χ^2/NDF:1010388.0/18

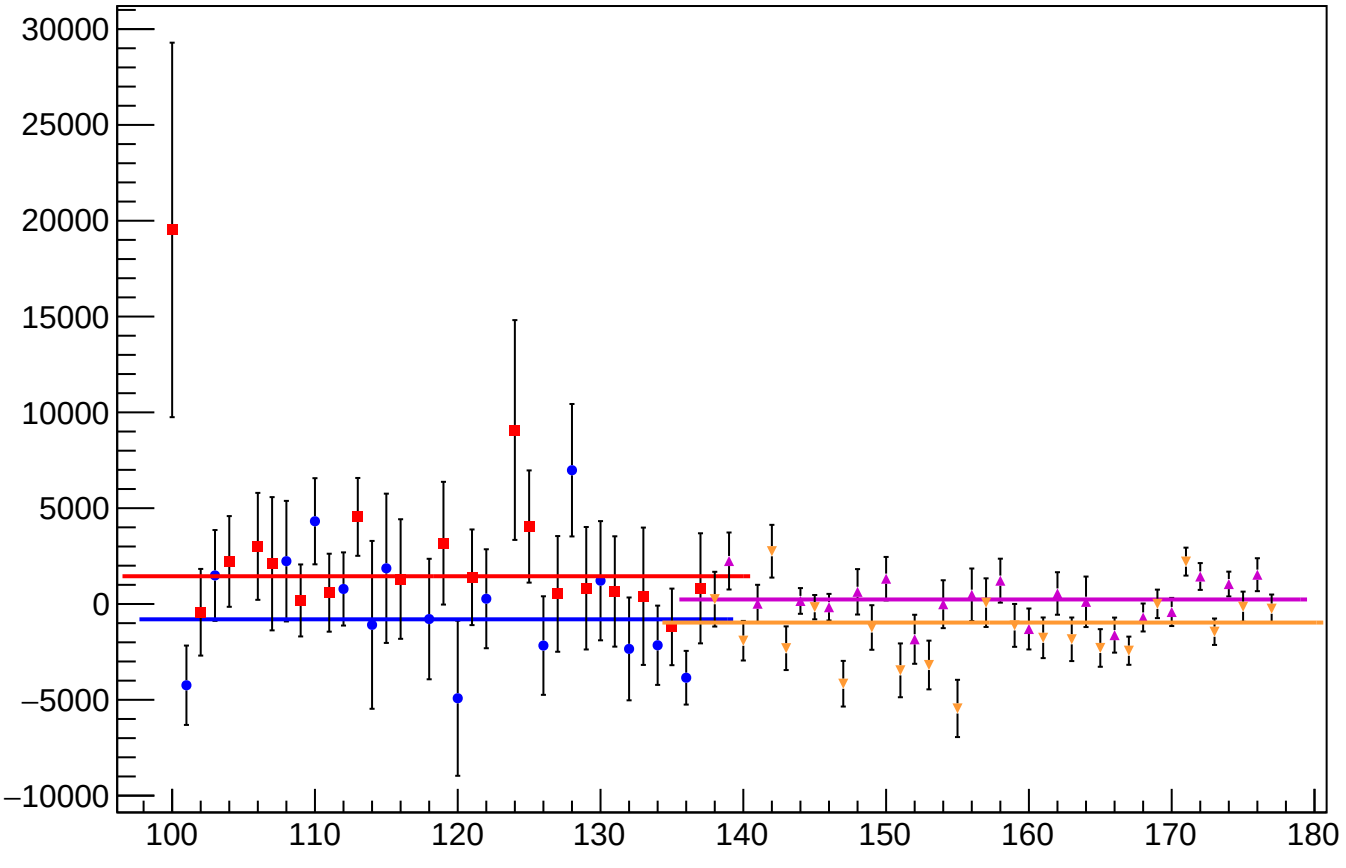
Left: 87.211+/-0.011 χ^2/NDF: 2113713.6/39

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 93.201+/-0.014 χ^2/NDF:2548664.1/34

Out: 92.868+/-0.014 χ^2/NDF:2829063.2/39

All: 93.030+/-0.010 χ^2/NDF: 5378002.8/74



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -969.029+/-206.624 χ^2/NDF:65.2/20

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 236.524+/-209.424 χ^2/NDF:22.2/18

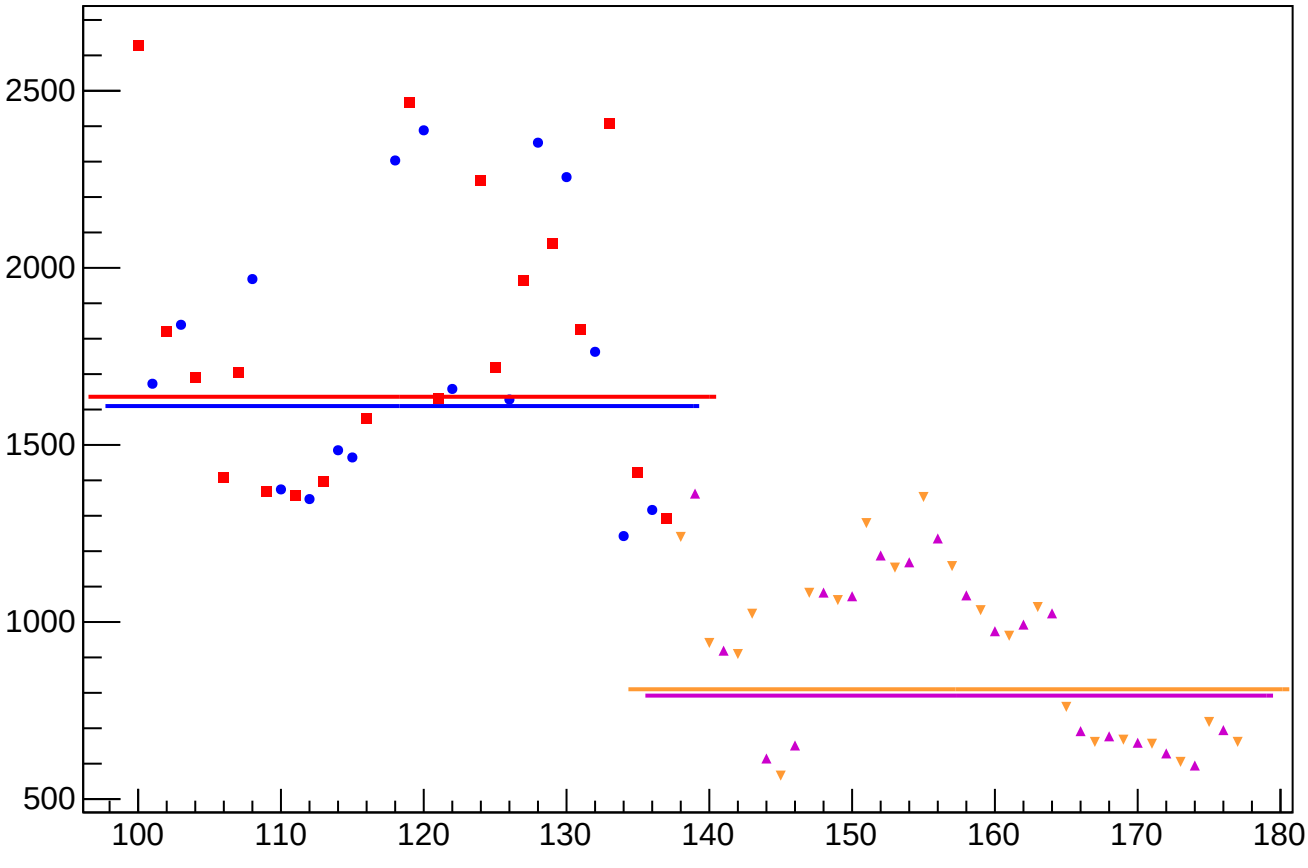
Left: -374.367+/-147.085 χ^2/NDF: 104.2/39

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: 129.228+/-198.279 χ^2/NDF:48.2/34

Out: -723.429+/-195.847 χ^2/NDF:91.6/39

All: -302.362+/-139.337 χ^2/NDF: 149.1/74



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 810.111+/-0.146 χ^2/NDF:2308701.3/20

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 792.174+/-0.148 χ^2/NDF:2142908.6/18

Left: 801.263+/-0.104 χ^2/NDF: 4459044.0/39

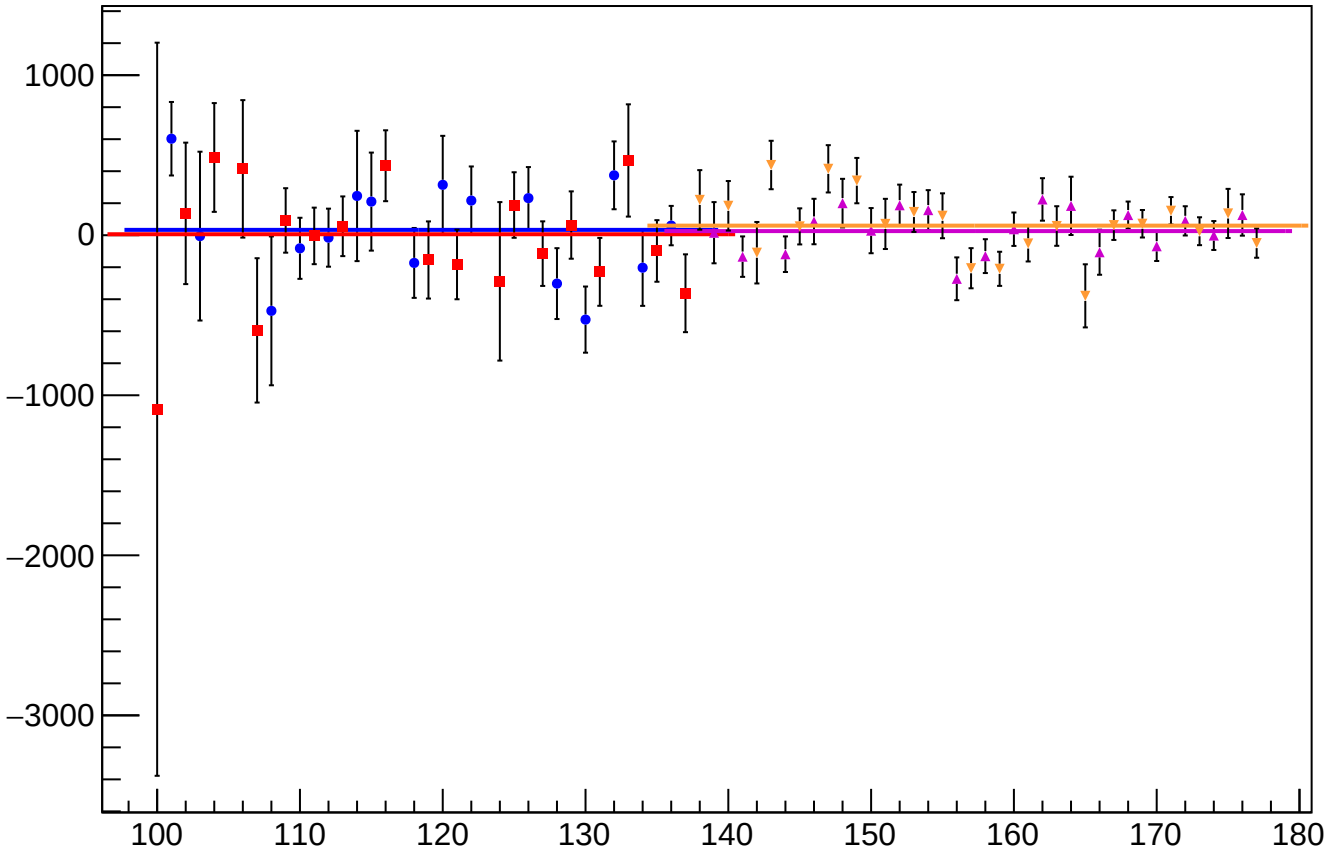
Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 876.882+/-0.140 χ^2/NDF:5920334.7/34

Out: 894.021+/-0.138 χ^2/NDF:6083128.3/39

All: 885.557+/-0.099 χ^2/NDF: 12011027.0/74

dit_asym_sam3_mean vs Slug, Sign Corrected



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 59.922+/-26.035 χ^2/NDF:38.7/20

Right Out: 6.107+/-56.090 χ^2/NDF: 17.3/18

Left In: 25.761+/-26.980 χ^2/NDF:22.1/18

Left: 43.451+/-18.735 χ^2/NDF: 61.6/39

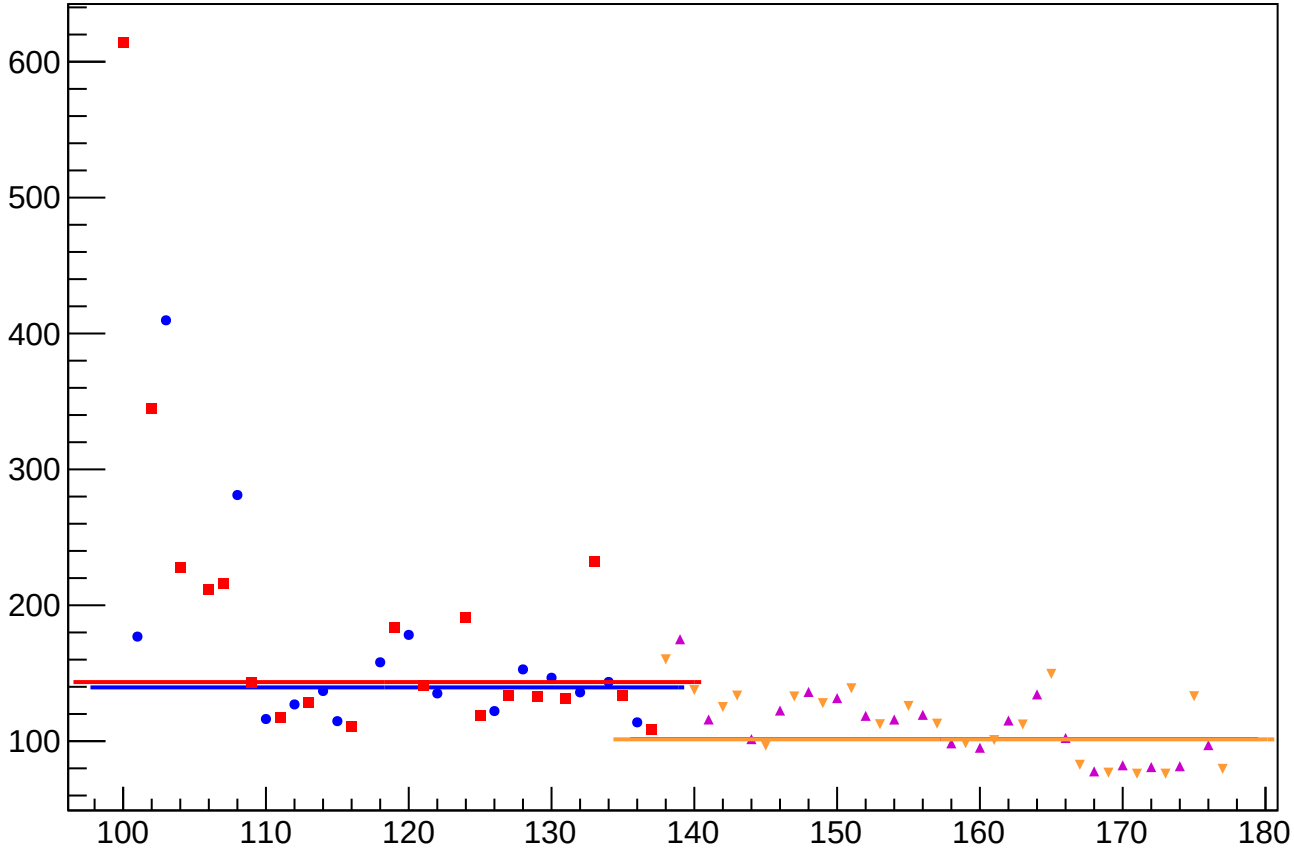
Right: 20.080+/-39.237 χ^2/NDF: 42.6/34

In: 27.260+/-24.215 χ^2/NDF:47.3/34

Out: 50.383+/-23.615 χ^2/NDF:56.7/39

All: 39.112+/-16.906 χ^2/NDF: 104.5/74

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 101.344+/-0.018 χ^2/NDF:1726983.6/20

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

Left In: 101.592+/-0.019 χ^2/NDF:1202223.1/18

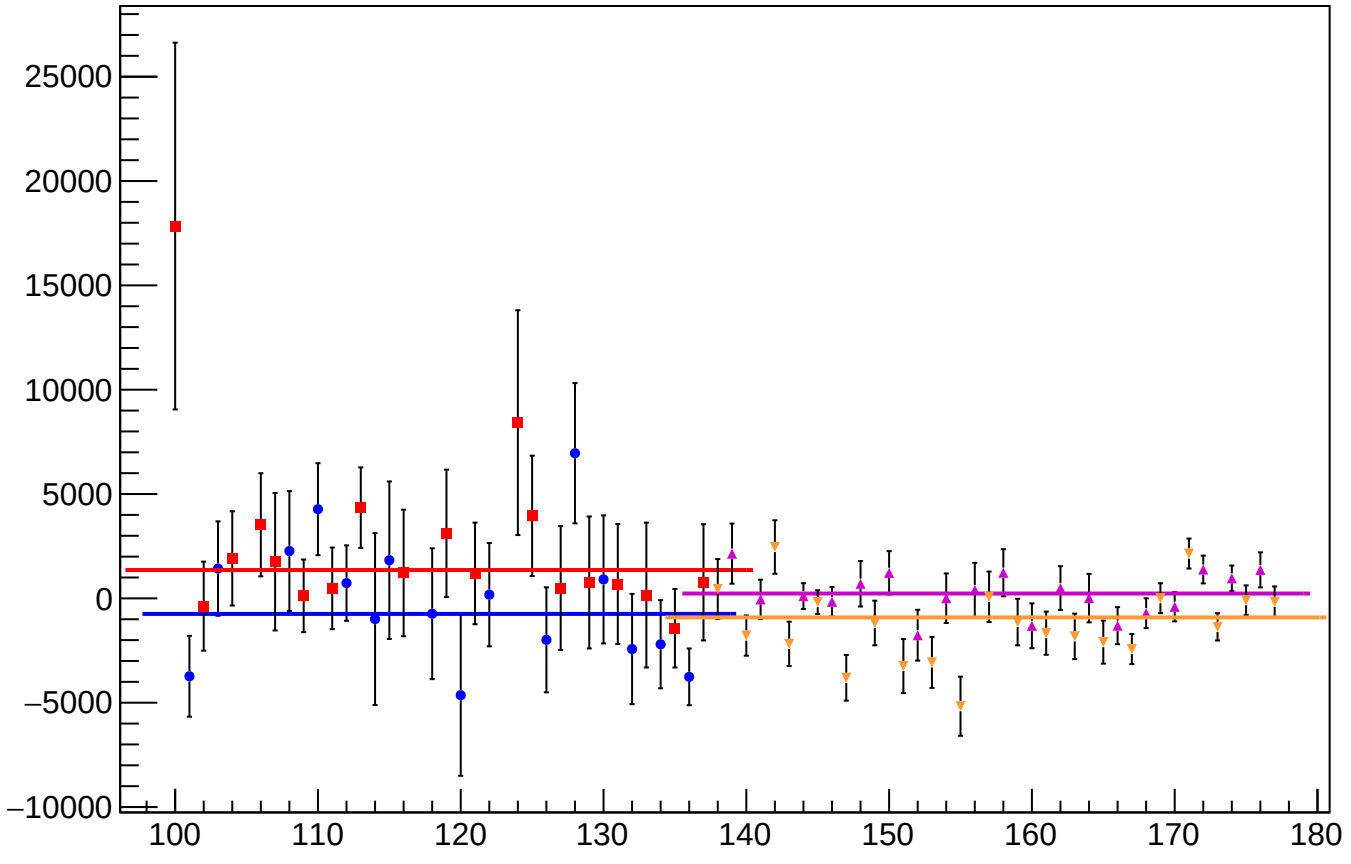
Left: 101.464+/-0.013 χ^2/NDF: 2929294.6/39

Right: 141.481+/-0.028 χ^2/NDF: 2098376.6/34

In: 108.978+/-0.017 χ^2/NDF:2949519.4/34

Out: 108.812+/-0.017 χ^2/NDF:3772236.4/39

All: 108.893+/-0.012 χ^2/NDF: 6721803.7/74



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -913.355+/-196.809 χ^2/NDF:64.5/20

Right Out: 1357.874+/-585.808 χ^2/NDF: 13.5/18

Left In: 232.012+/-200.542 χ^2/NDF:20.8/18

Left: -351.433+/-140.466 χ^2/NDF: 101.9/39

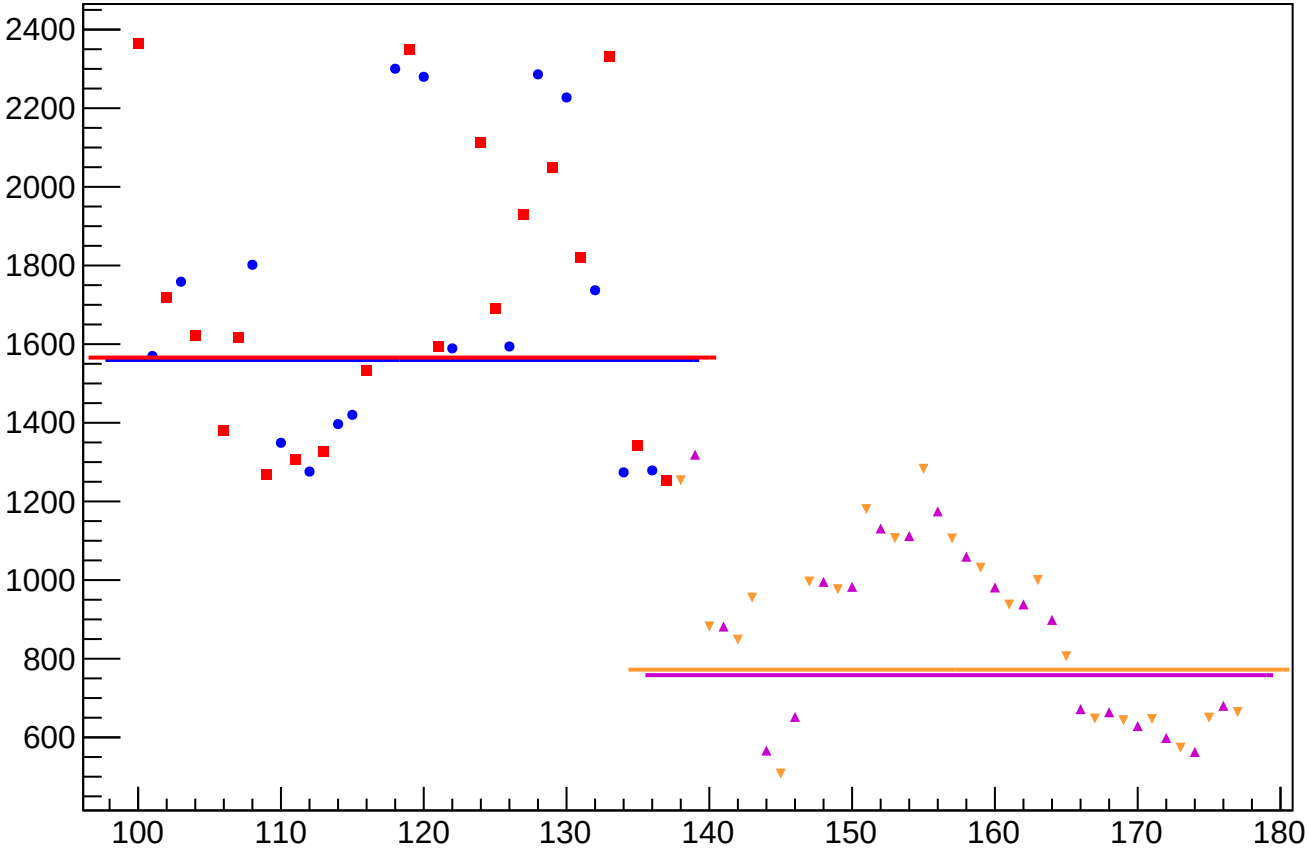
Right: 324.392+/-417.720 χ^2/NDF: 43.3/34

In: 132.621+/-190.065 χ^2/NDF:46.7/34

Out: -683.002+/-186.561 χ^2/NDF:91.6/39

All: -282.776+/-133.140 χ^2/NDF: 147.6/74

asym_sam3_dit_correction_rms vs Slug, Sign Corrected



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 772.194+/-0.139 χ^2/NDF:2391822.9/20

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

Left In: 758.262+/-0.142 χ^2/NDF:2108253.9/18

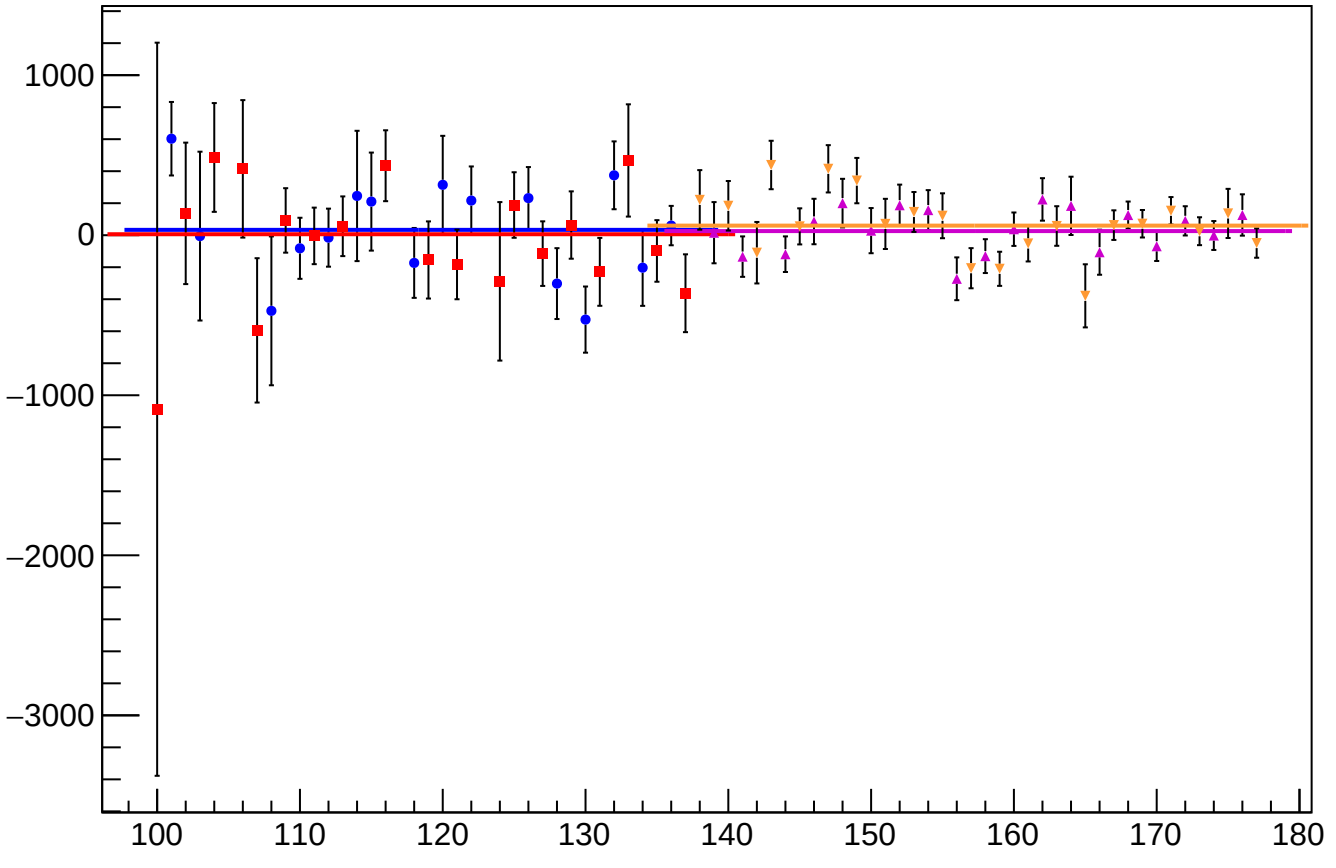
Left: 765.359+/-0.099 χ^2/NDF: 4504993.4/39

Right: 1562.823+/-0.295 χ^2/NDF: 1168163.0/34

In: 839.822+/-0.134 χ^2/NDF:5963215.0/34

Out: 852.684+/-0.132 χ^2/NDF:6254000.0/39

All: 846.373+/-0.094 χ^2/NDF: 12221879.3/74



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 59.923+/-26.035 χ^2/NDF:38.7/20

Right Out: 6.103+/-56.090 χ^2/NDF: 17.3/18

Left In: 25.759+/-26.981 χ^2/NDF:22.1/18

Left: 43.450+/-18.735 χ^2/NDF: 61.6/39

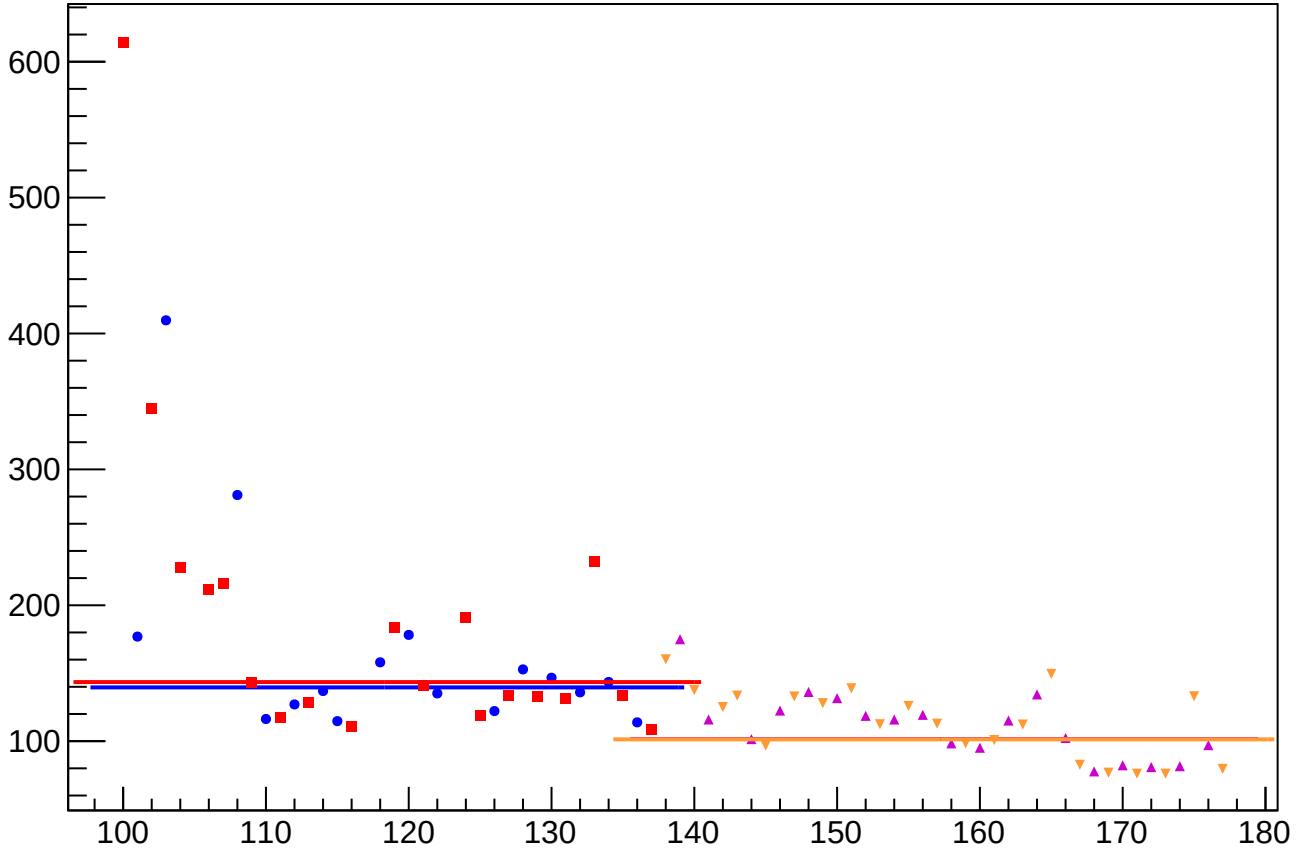
Right: 20.078+/-39.237 χ^2/NDF: 42.6/34

In: 27.259+/-24.215 χ^2/NDF:47.3/34

Out: 50.383+/-23.615 χ^2/NDF:56.7/39

All: 39.111+/-16.906 χ^2/NDF: 104.5/74

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 101.344+/-0.018 χ^2/NDF:1727007.7/20

Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 101.593+/-0.019 χ^2/NDF:1202237.9/18

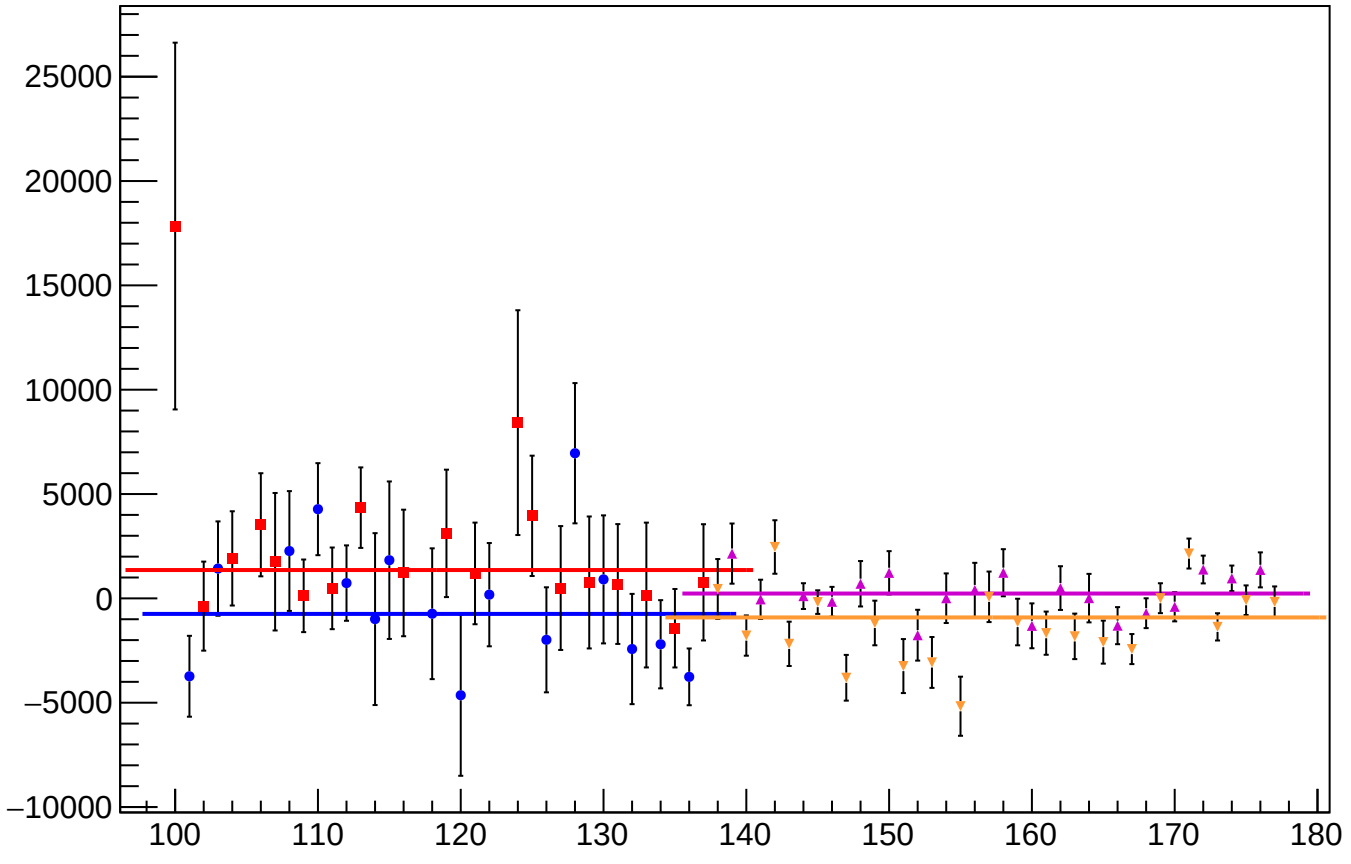
Left: 101.464+/-0.013 χ^2/NDF: 2929333.6/39

Right: 141.482+/-0.028 χ^2/NDF: 2098386.0/34

In: 108.978+/-0.017 χ^2/NDF:2949531.8/34

Out: 108.813+/-0.017 χ^2/NDF:3772267.4/39

All: 108.894+/-0.012 χ^2/NDF: 6721847.1/74



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -913.355+/-196.808 χ^2/NDF:64.5/20

Right Out: 1357.874+/-585.807 χ^2/NDF: 13.5/18

Left In: 232.011+/-200.542 χ^2/NDF:20.8/18

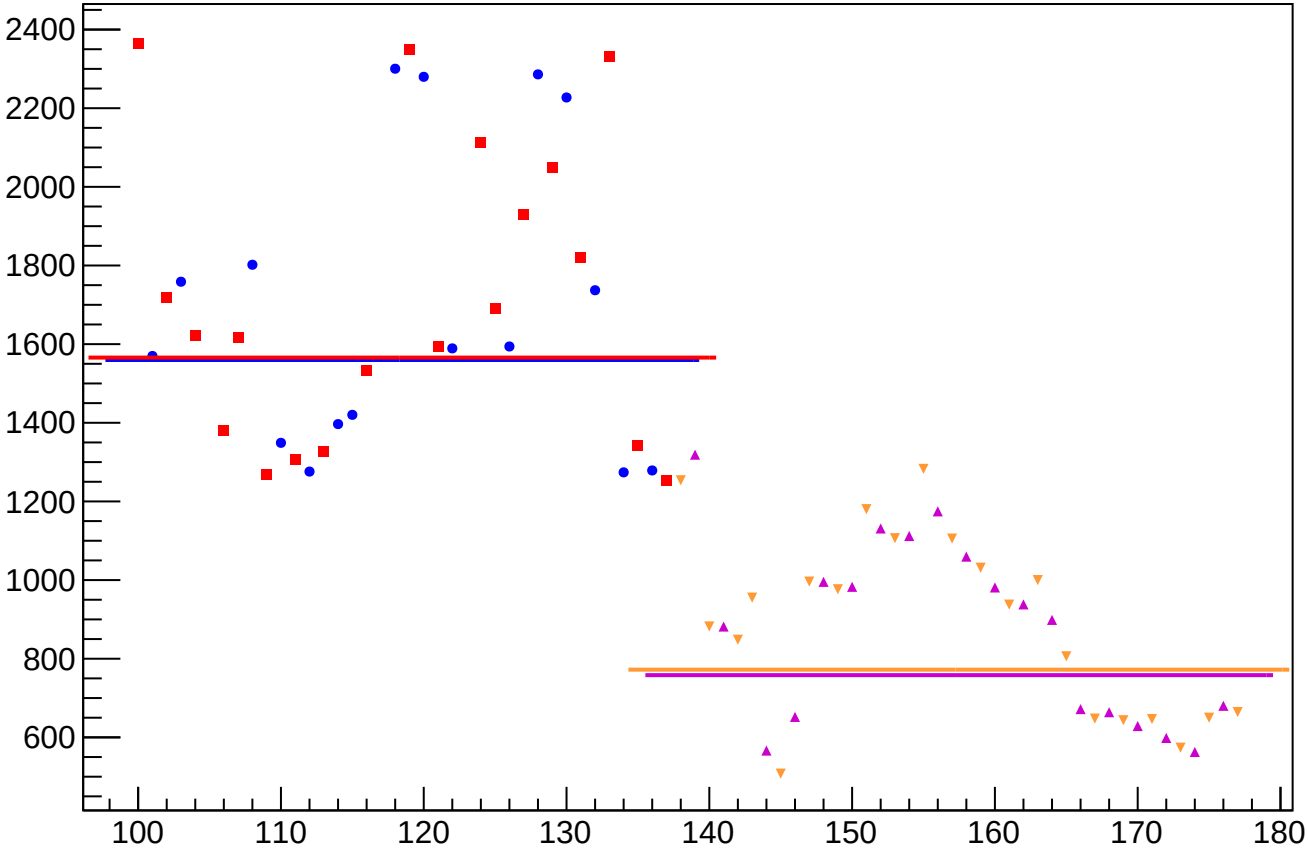
Left: -351.434+/-140.466 χ^2/NDF: 101.9/39

Right: 324.394+/-417.720 χ^2/NDF: 43.3/34

In: 132.621+/-190.065 χ^2/NDF:46.7/34

Out: -683.002+/-186.561 χ^2/NDF:91.6/39

All: -282.777+/-133.140 χ^2/NDF: 147.6/74



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 772.193+/-0.139 χ^2/NDF:2391817.2/20

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

Left In: 758.262+/-0.142 χ^2/NDF:2108248.9/18

Left: 765.358+/-0.099 χ^2/NDF: 4504982.7/39

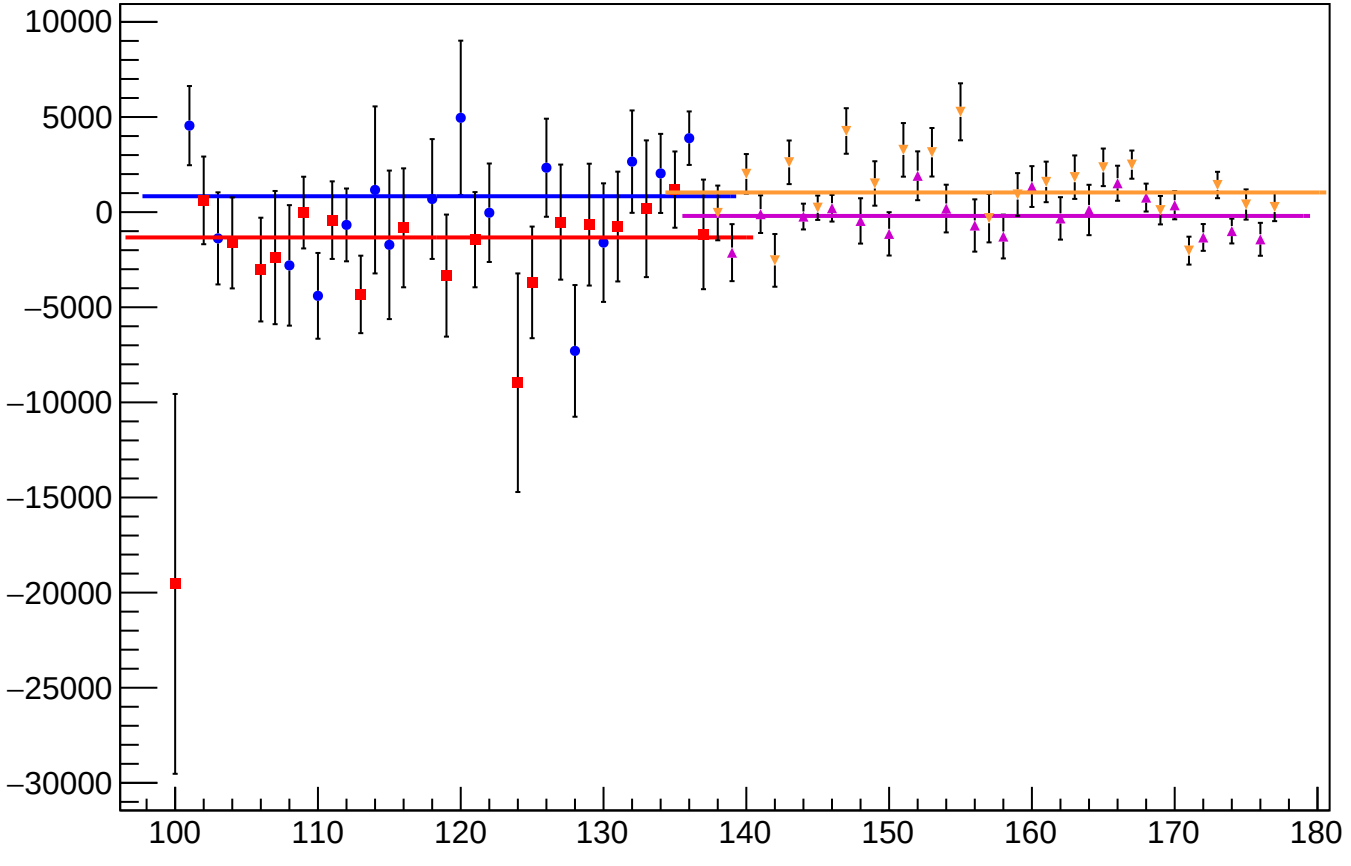
Right: 1562.821+/-0.295 χ^2/NDF: 1168161.1/34

In: 839.821+/-0.134 χ^2/NDF:5963209.7/34

Out: 852.683+/-0.132 χ^2/NDF:6253989.1/39

All: 846.372+/-0.094 χ^2/NDF: 12221863.2/74

asym_sam3_mean vs Slug, Sign Corrected



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 1034.180+/-207.918 χ^2/NDF:60.8/20

Right Out: -1329.538+/-616.428 χ^2/NDF: 12.1/18

Left In: -199.772+/-210.822 χ^2/NDF:20.6/18

Left: 425.760+/-148.036 χ^2/NDF: 98.7/39

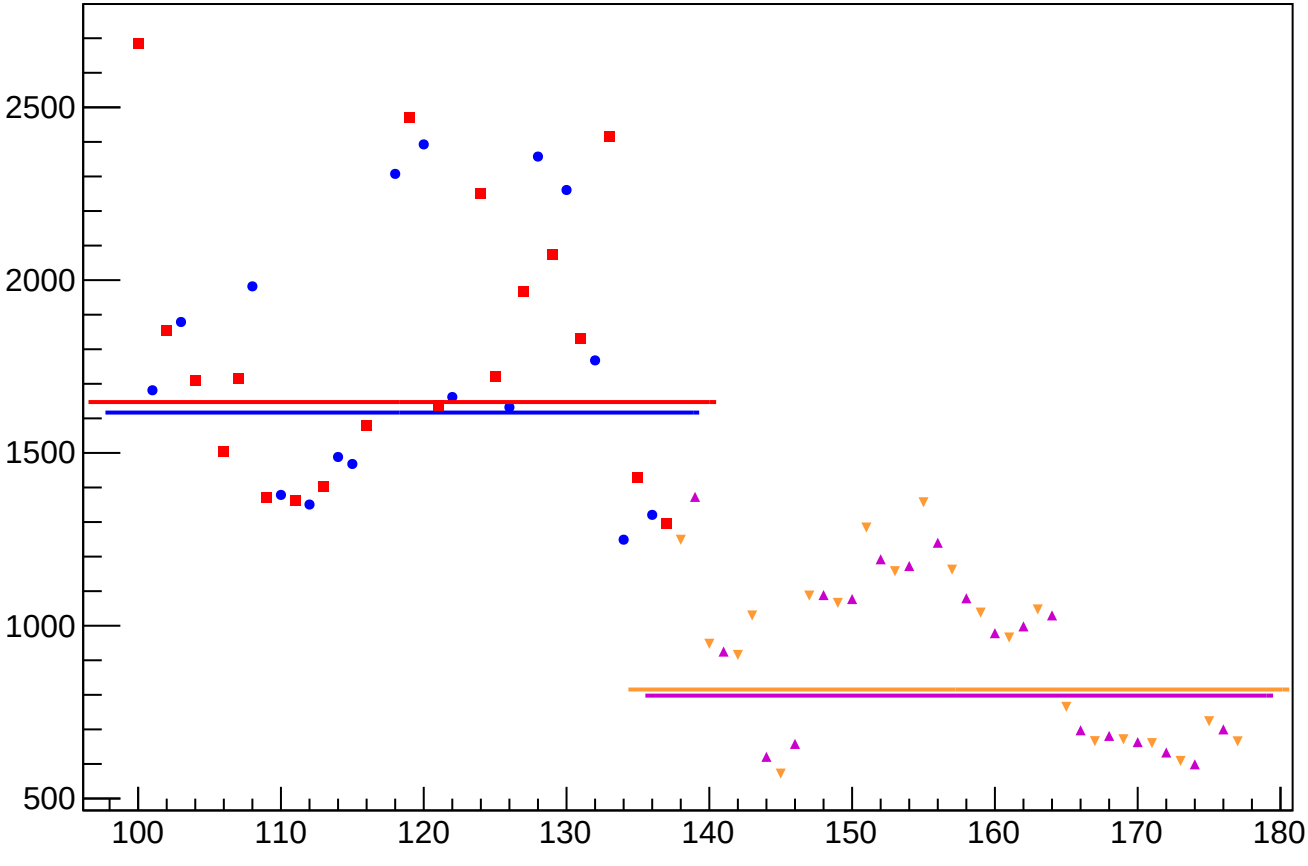
Right: -251.145+/-436.710 χ^2/NDF: 43.2/34

In: -92.097+/-199.557 χ^2/NDF:48.0/34

Out: 792.733+/-197.013 χ^2/NDF:86.1/39

All: 355.995+/-140.200 χ^2/NDF: 144.0/74

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 815.418+/-0.147 χ^2/NDF:2288635.9/20

Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 797.742+/-0.149 χ^2/NDF:2122469.9/18

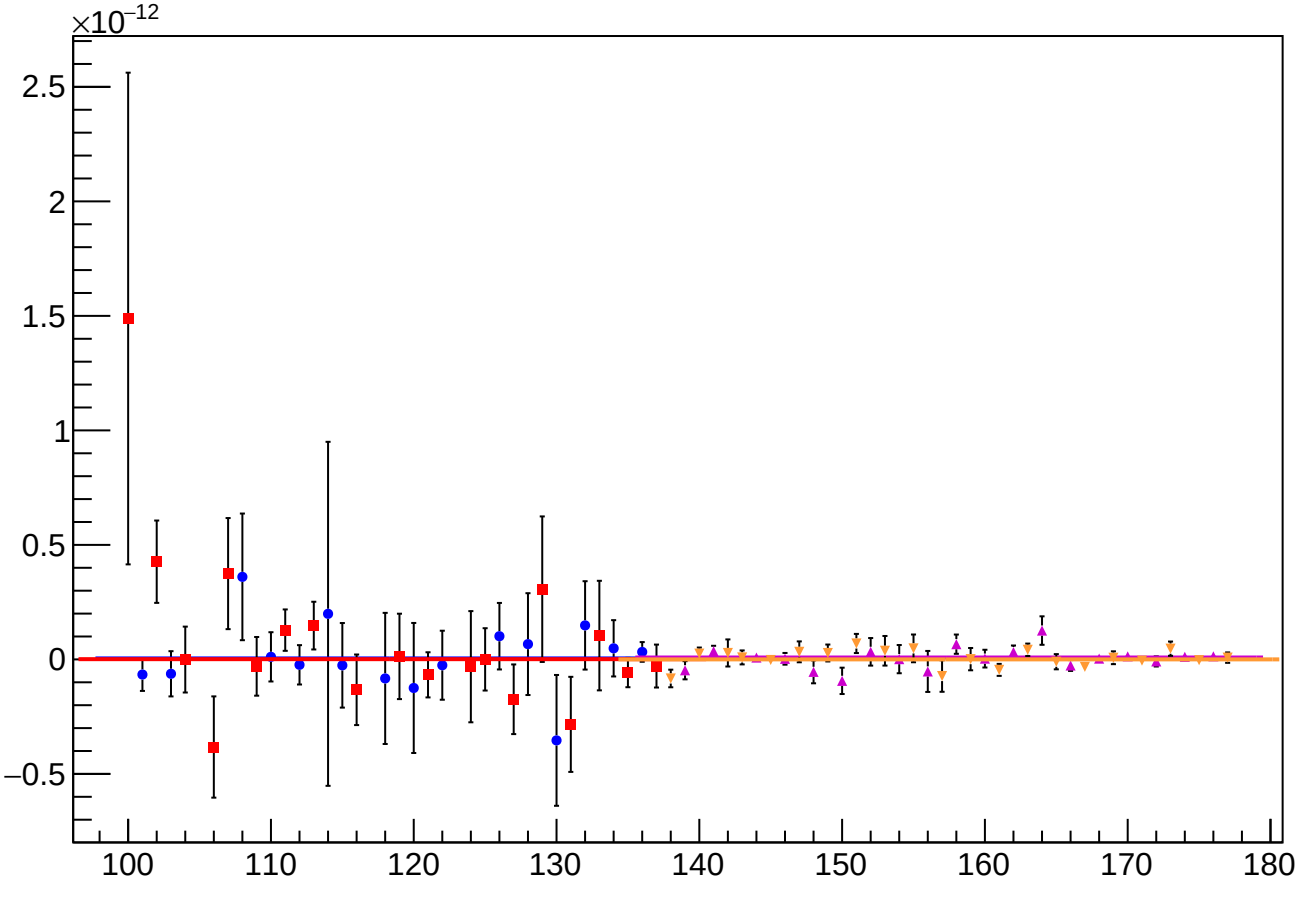
Left: 806.703+/-0.105 χ^2/NDF: 4418233.3/39

Right: 1632.074+/-0.309 χ^2/NDF: 1148558.3/34

In: 882.930+/-0.141 χ^2/NDF:5884491.6/34

Out: 900.385+/-0.139 χ^2/NDF:6082271.5/39

All: 891.770+/-0.099 χ^2/NDF: 11974511.9/74



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

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

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/18

Left In: 0.000+/-0.000 χ^2/NDF:18.1/18

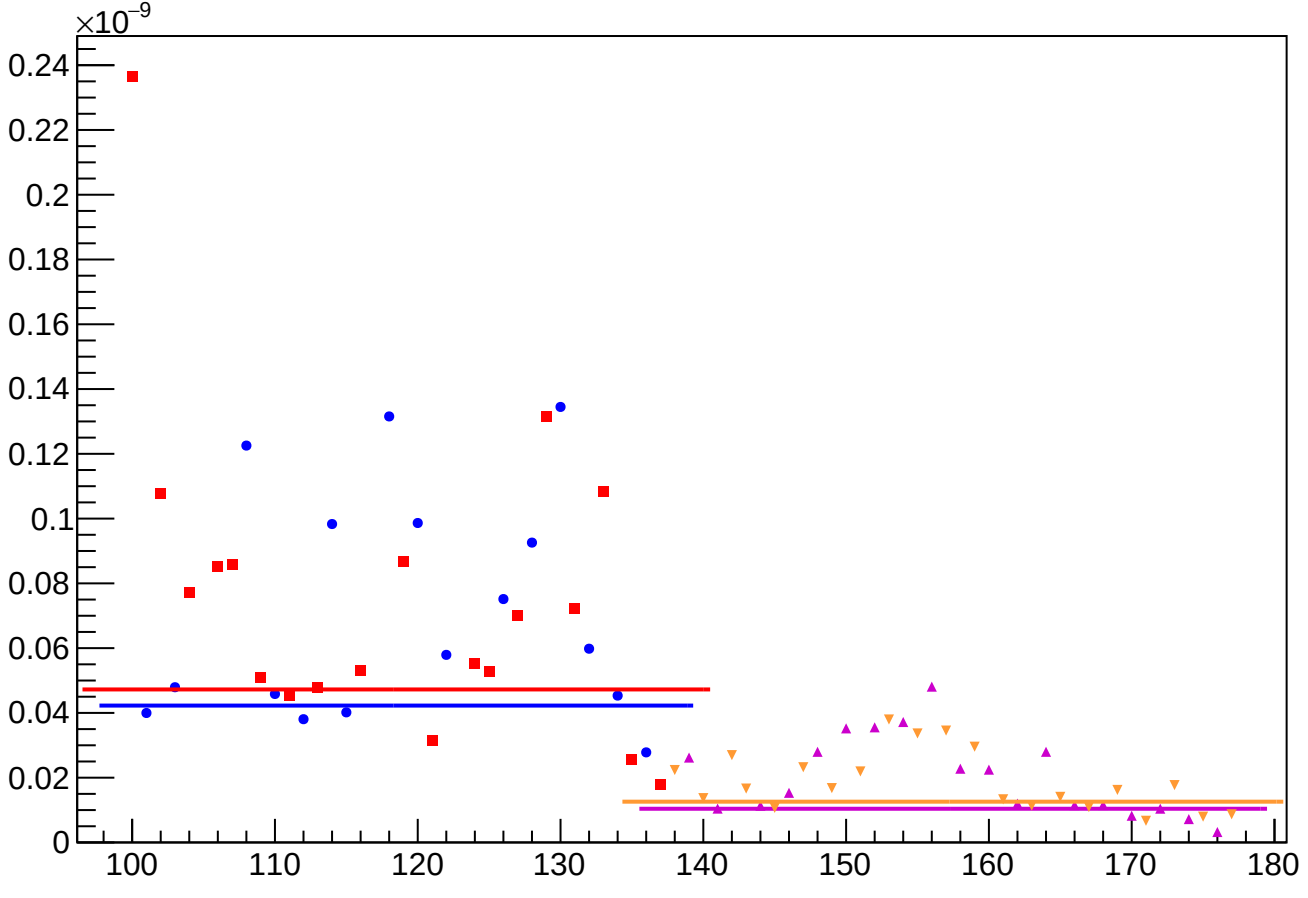
Left: 0.000+/-0.000 χ^2/NDF: 41.9/39

Right: 0.000+/-0.000 χ^2/NDF: 30.3/34

In: 0.000+/-0.000 χ^2/NDF:24.9/34

Out: 0.000+/-0.000 χ^2/NDF:46.2/39

All: 0.000+/-0.000 χ^2/NDF: 72.2/74



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2193426.5/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

Left In: 0.000+/-0.000 χ^2/NDF:3588894.1/18

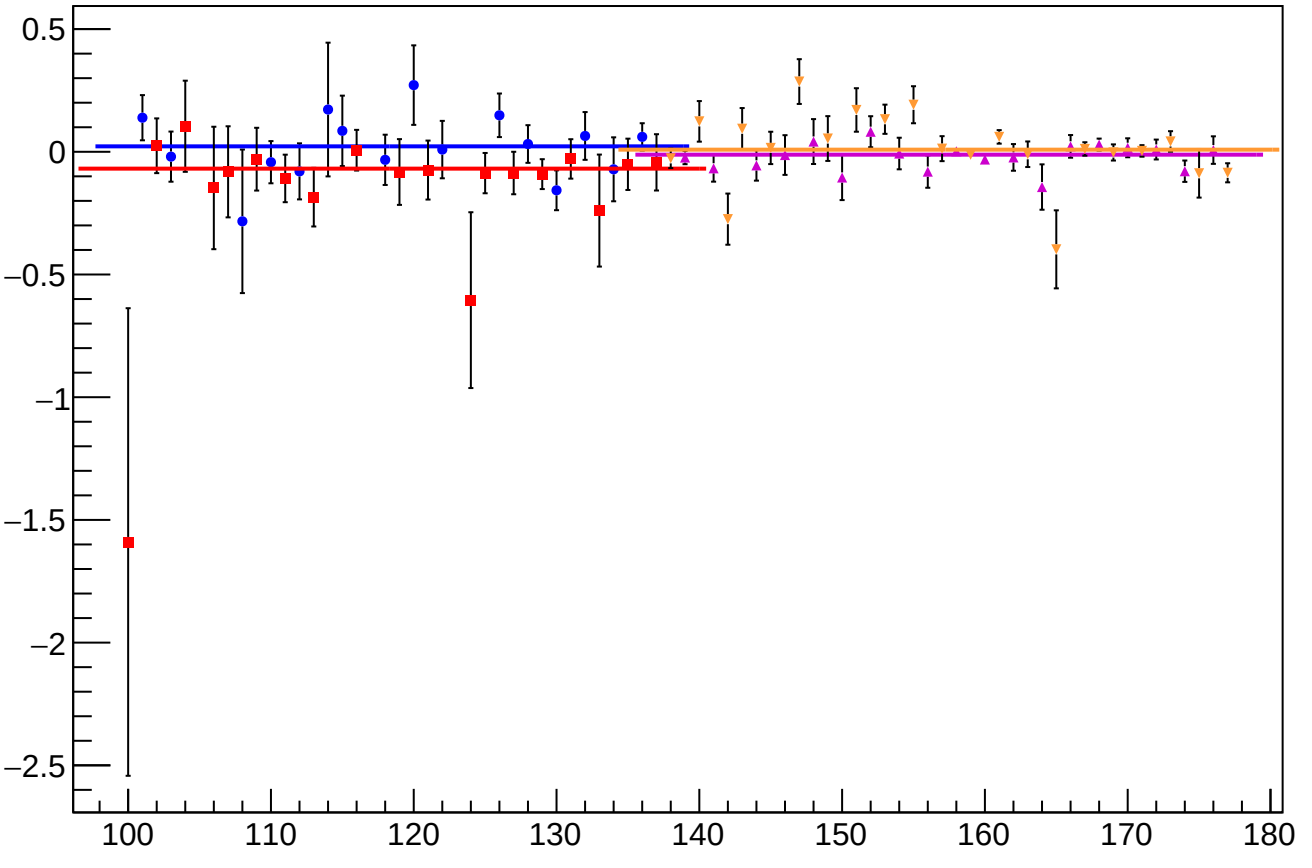
Left: 0.000+/-0.000 χ^2/NDF: 5930689.6/39

Right: 0.000+/-0.000 χ^2/NDF: 2588419.0/34

In: 0.000+/-0.000 χ^2/NDF:7365559.5/34

Out: 0.000+/-0.000 χ^2/NDF:6126024.0/39

All: 0.000+/-0.000 χ^2/NDF: 13646388.1/74



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.009+/-0.009 χ^2/NDF:53.9/20

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.012+/-0.008 χ^2/NDF:17.3/18

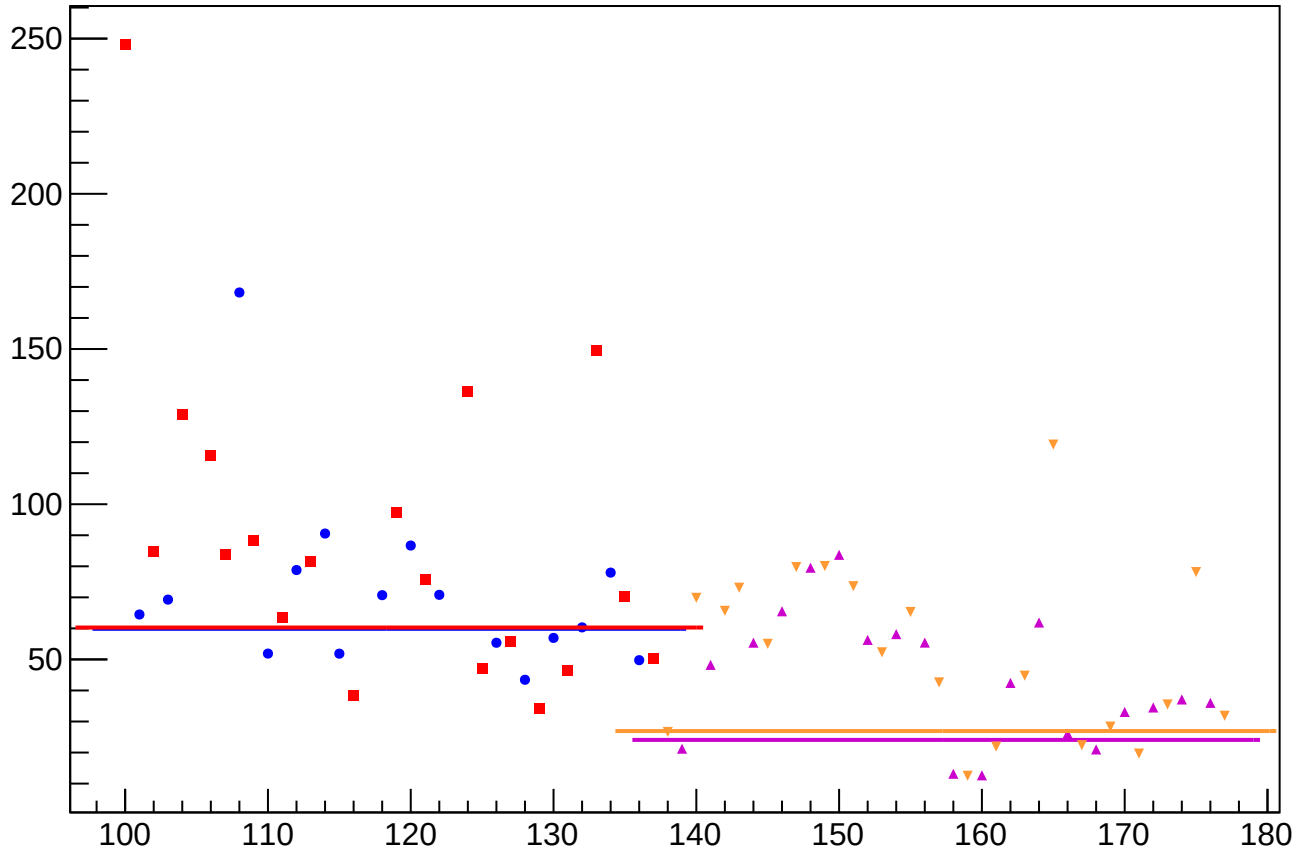
Left: -0.002+/-0.006 χ^2/NDF: 74.2/39

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.008+/-0.008 χ^2/NDF:34.5/34

Out: 0.001+/-0.008 χ^2/NDF:71.9/39

All: -0.004+/-0.006 χ^2/NDF: 107.1/74



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 26.932+/-0.006 χ^2/NDF:8366037.6/20

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 24.075+/-0.006 χ^2/NDF:7575562.1/18

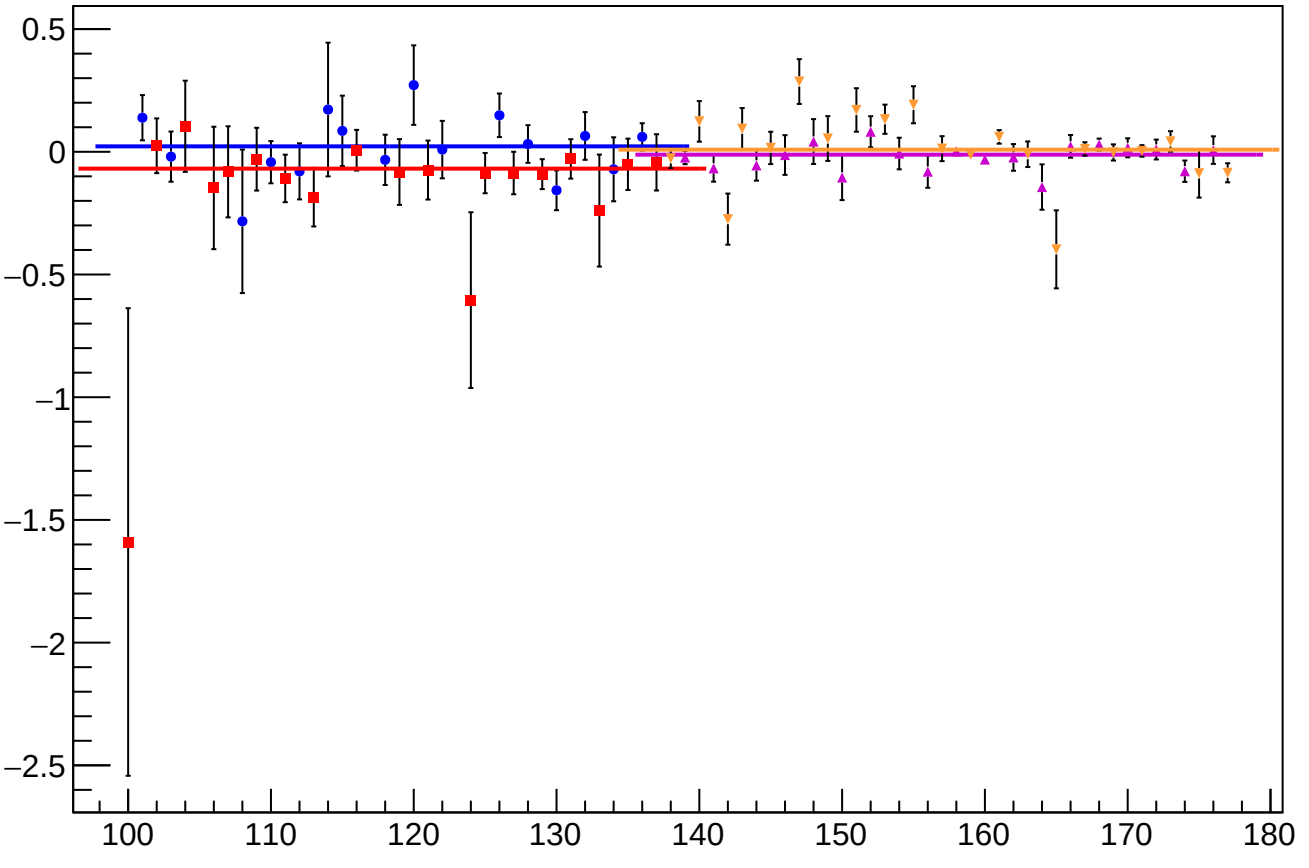
Left: 25.421+/-0.004 χ^2/NDF: 16060397.1/39

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 27.515+/-0.005 χ^2/NDF:12078431.1/34

Out: 30.337+/-0.006 χ^2/NDF:13468333.3/39

All: 28.849+/-0.004 χ^2/NDF: 25675440.0/74



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.009+/-0.009 χ^2/NDF:53.9/20

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.012+/-0.008 χ^2/NDF:17.3/18

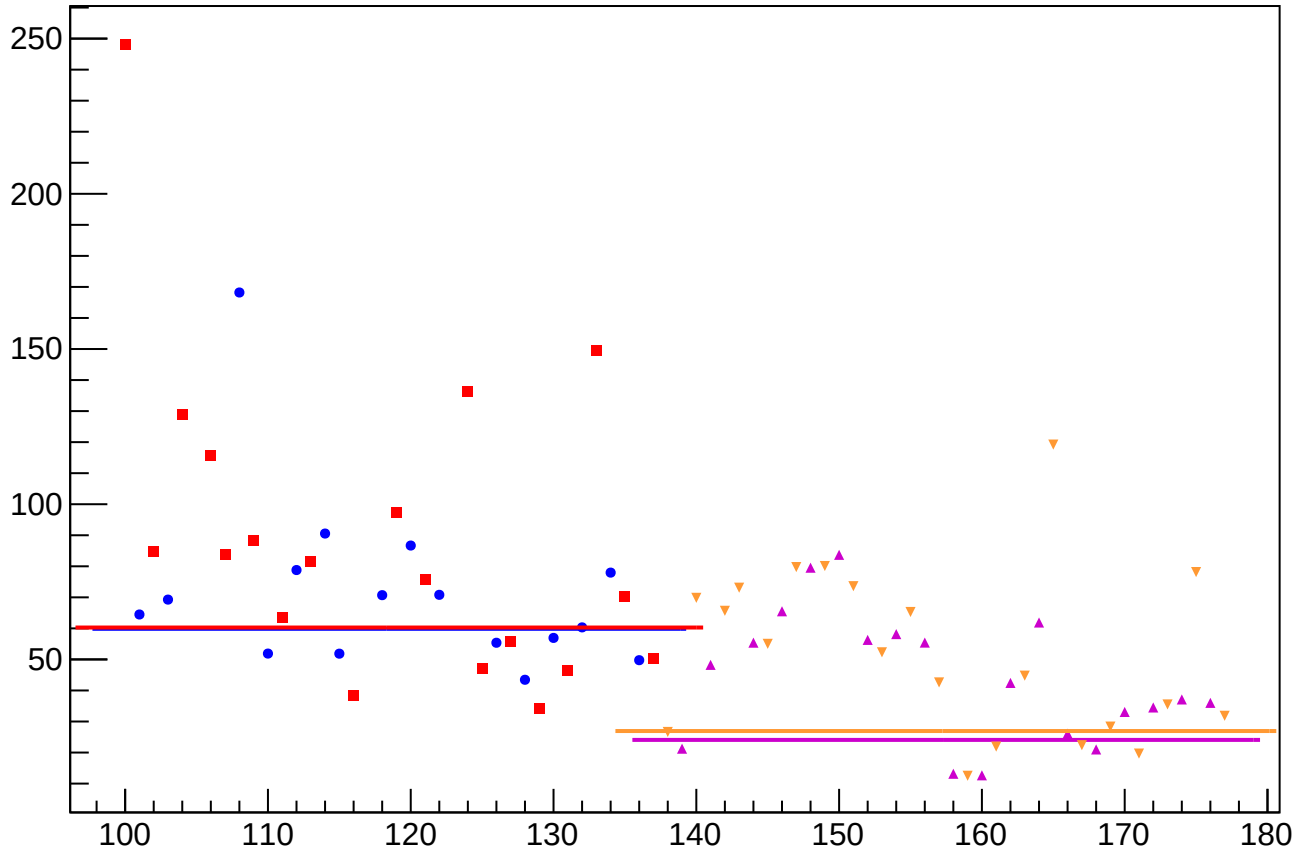
Left: -0.002+/-0.006 χ^2/NDF: 74.2/39

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.008+/-0.008 χ^2/NDF:34.5/34

Out: 0.001+/-0.008 χ^2/NDF:71.9/39

All: -0.004+/-0.006 χ^2/NDF: 107.1/74



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 26.932+/-0.006 χ^2/NDF:8366037.6/20

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 24.075+/-0.006 χ^2/NDF:7575562.1/18

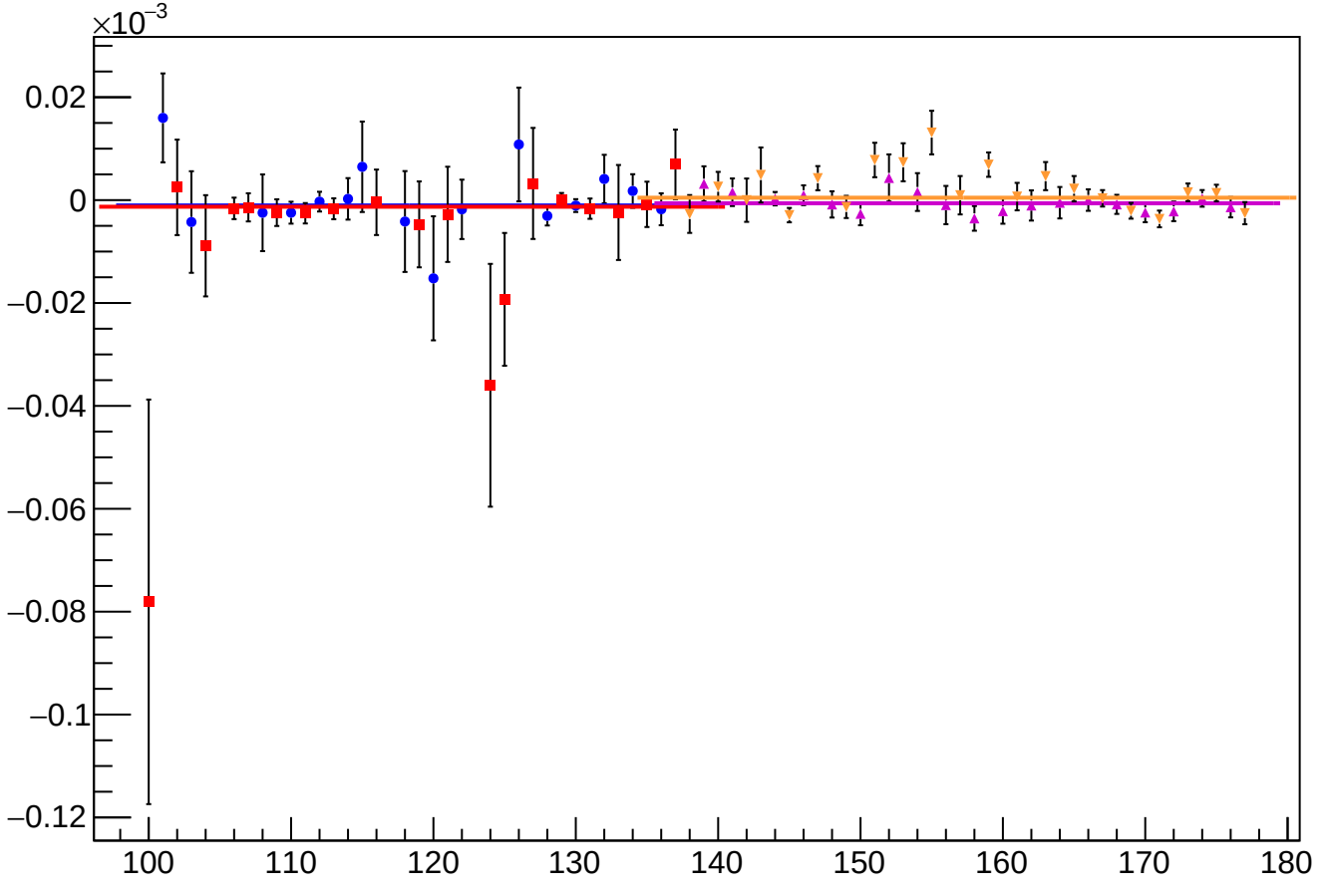
Left: 25.421+/-0.004 χ^2/NDF: 16060397.1/39

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 27.515+/-0.005 χ^2/NDF:12078431.1/34

Out: 30.337+/-0.006 χ^2/NDF:13468333.3/39

All: 28.849+/-0.004 χ^2/NDF: 25675440.0/74



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:50.5/20

Right Out: -0.000+/-0.000 χ^2/NDF: 12.5/18

Left In: -0.000+/-0.000 χ^2/NDF:9.4/18

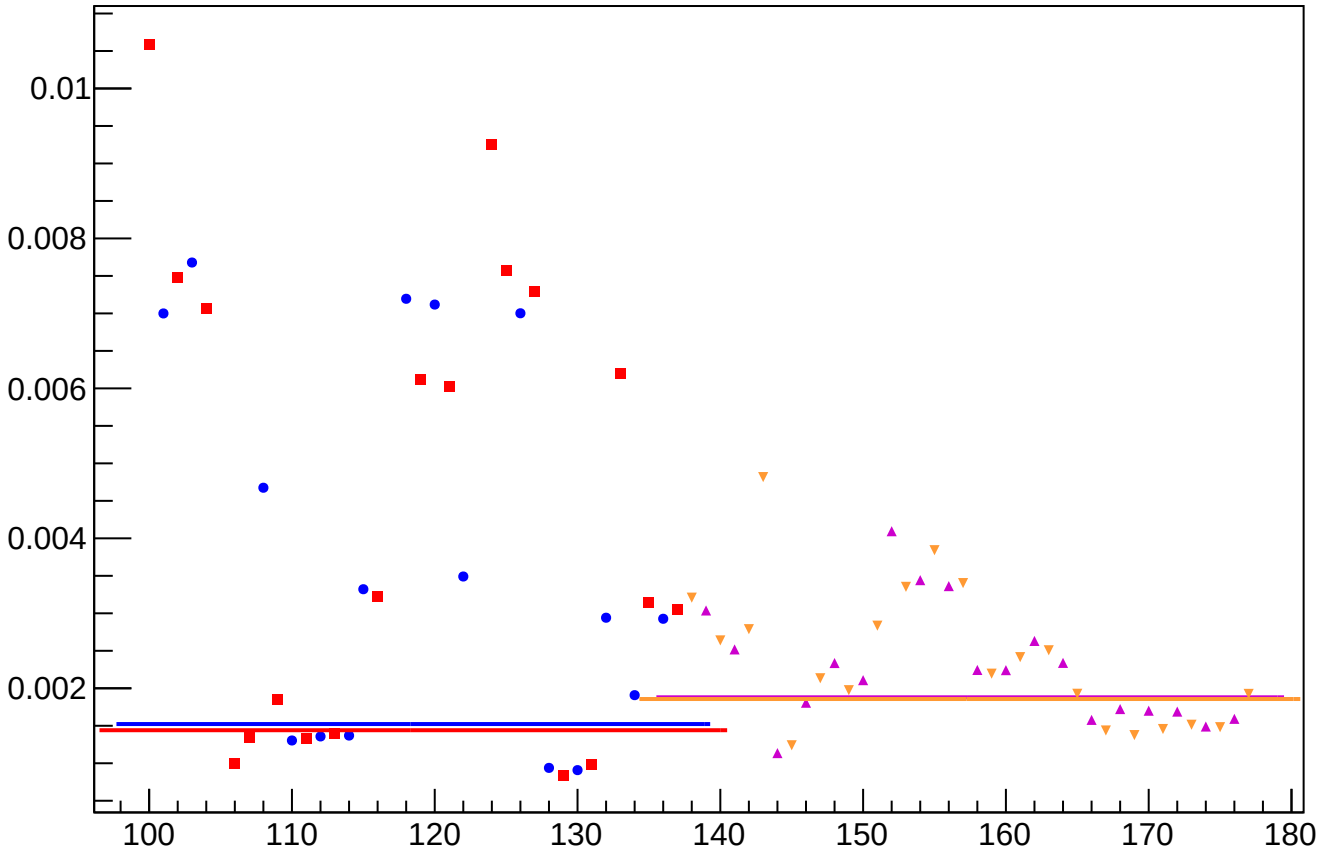
Left: -0.000+/-0.000 χ^2/NDF: 62.3/39

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:20.9/34

Out: -0.000+/-0.000 χ^2/NDF:67.2/39

All: -0.000+/-0.000 χ^2/NDF: 89.3/74



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:3720843.5/20

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

Left In: 0.002+/-0.000 χ^2/NDF:2748613.4/18

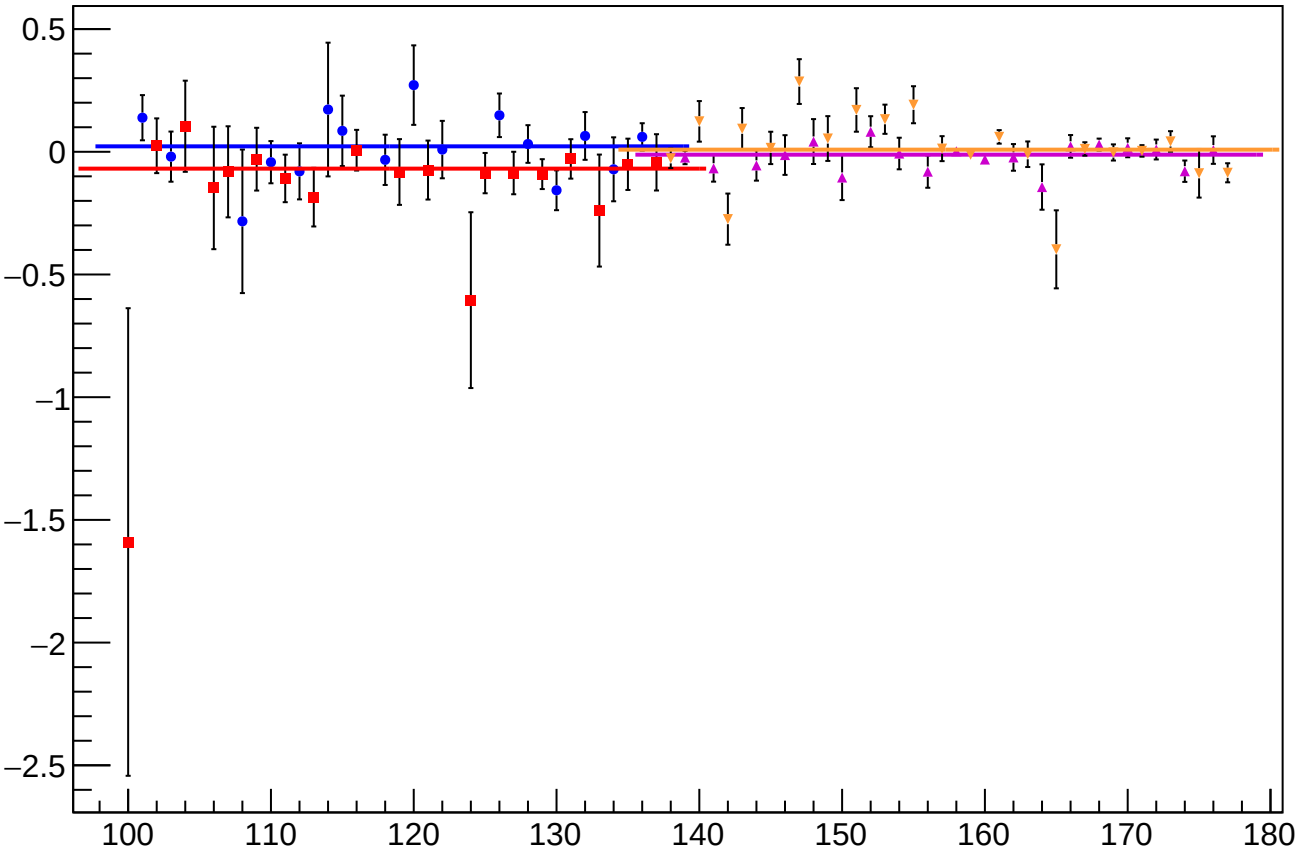
Left: 0.002+/-0.000 χ^2/NDF: 6471574.9/39

Right: 0.001+/-0.000 χ^2/NDF: 10985380.1/34

In: 0.002+/-0.000 χ^2/NDF:8248879.3/34

Out: 0.002+/-0.000 χ^2/NDF:9988089.1/39

All: 0.002+/-0.000 χ^2/NDF: 18248835.9/74



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.009+/-0.009 χ^2/NDF:53.9/20

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.012+/-0.008 χ^2/NDF:17.3/18

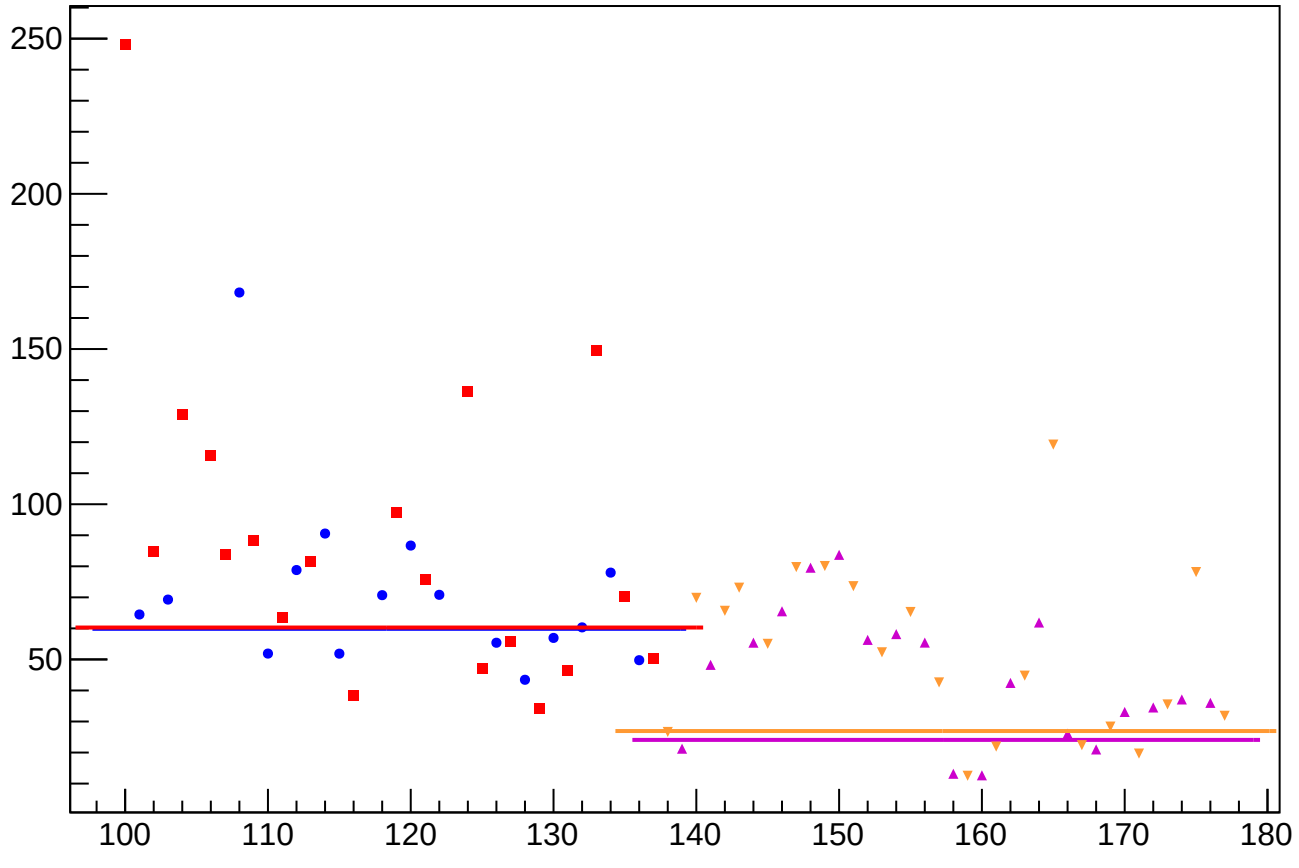
Left: -0.002+/-0.006 χ^2/NDF: 74.2/39

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.008+/-0.008 χ^2/NDF:34.5/34

Out: 0.001+/-0.008 χ^2/NDF:71.9/39

All: -0.004+/-0.006 χ^2/NDF: 107.1/74



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 26.931+/-0.006 χ^2/NDF:8367010.8/20

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 24.075+/-0.006 χ^2/NDF:7576018.6/18

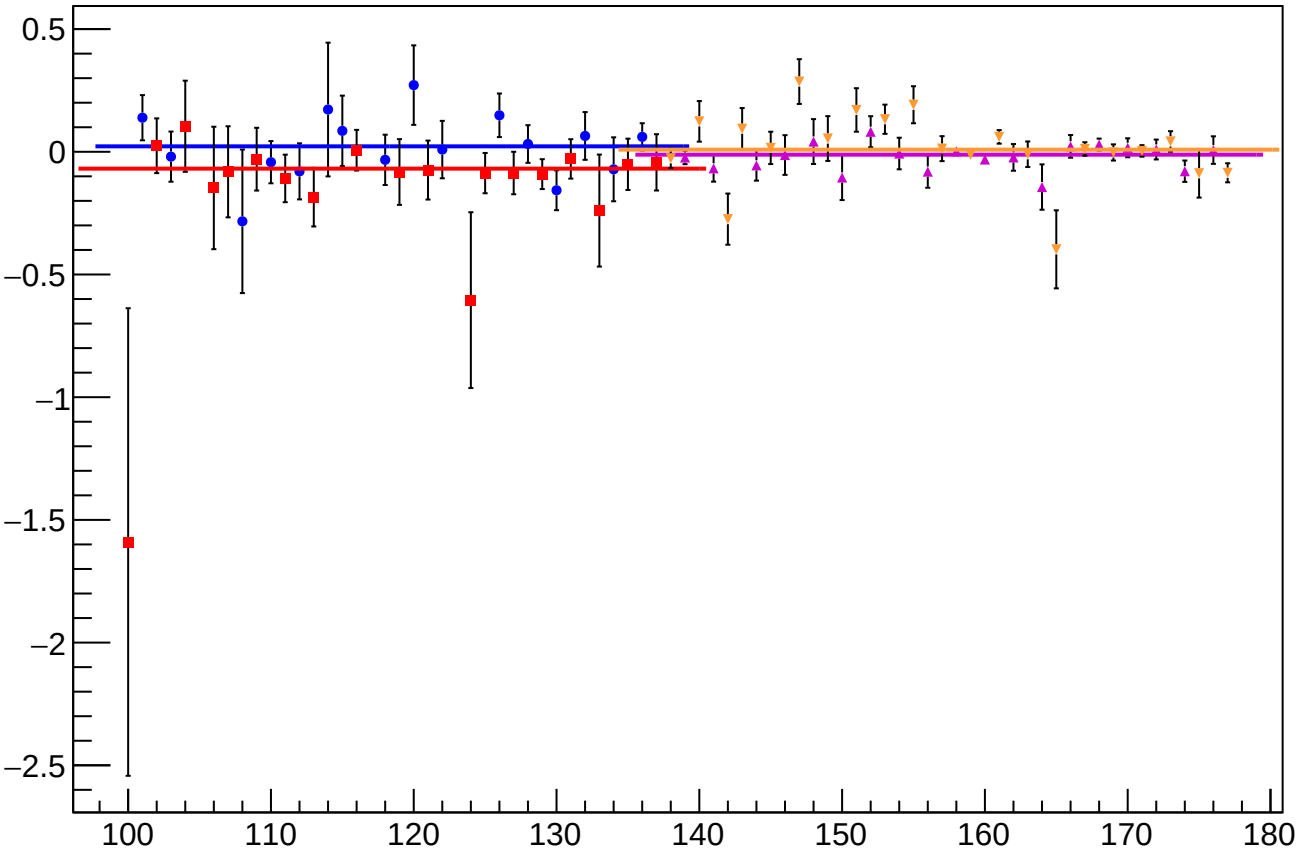
Left: 25.420+/-0.004 χ^2/NDF: 16061762.0/39

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 27.515+/-0.005 χ^2/NDF:12079088.3/34

Out: 30.336+/-0.006 χ^2/NDF:13469640.8/39

All: 28.849+/-0.004 χ^2/NDF: 25677333.5/74



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.009+/-0.009 χ^2/NDF:53.9/20

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.012+/-0.008 χ^2/NDF:17.3/18

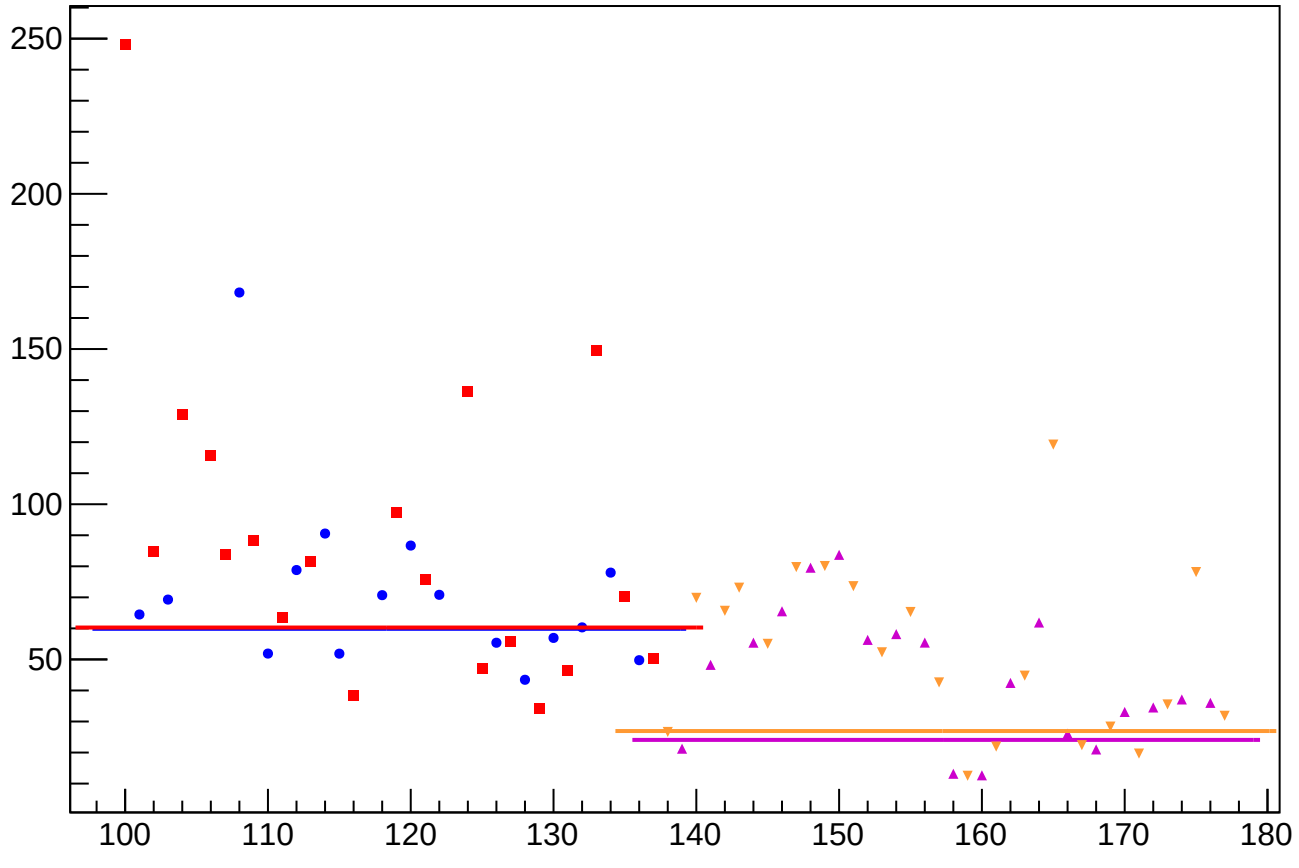
Left: -0.002+/-0.006 χ^2/NDF: 74.2/39

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.008+/-0.008 χ^2/NDF:34.5/34

Out: 0.001+/-0.008 χ^2/NDF:71.9/39

All: -0.004+/-0.006 χ^2/NDF: 107.1/74



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 26.931+/-0.006 χ^2/NDF:8367010.8/20

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 24.075+/-0.006 χ^2/NDF:7576018.6/18

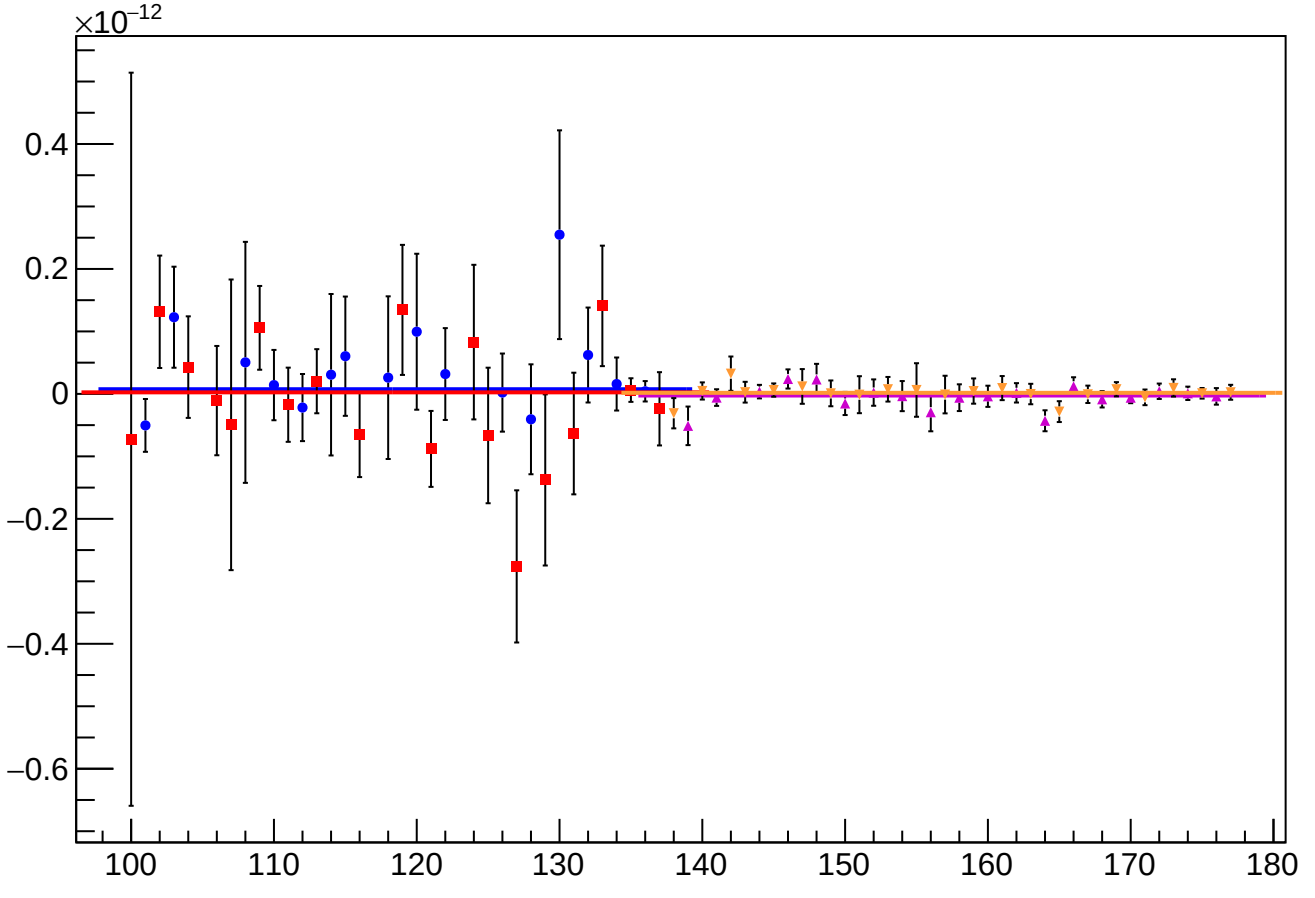
Left: 25.420+/-0.004 χ^2/NDF: 16061762.0/39

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 27.515+/-0.005 χ^2/NDF:12079088.3/34

Out: 30.336+/-0.006 χ^2/NDF:13469640.8/39

All: 28.849+/-0.004 χ^2/NDF: 25677333.5/74



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/18

Left In: -0.000+/-0.000 χ^2/NDF:15.9/18

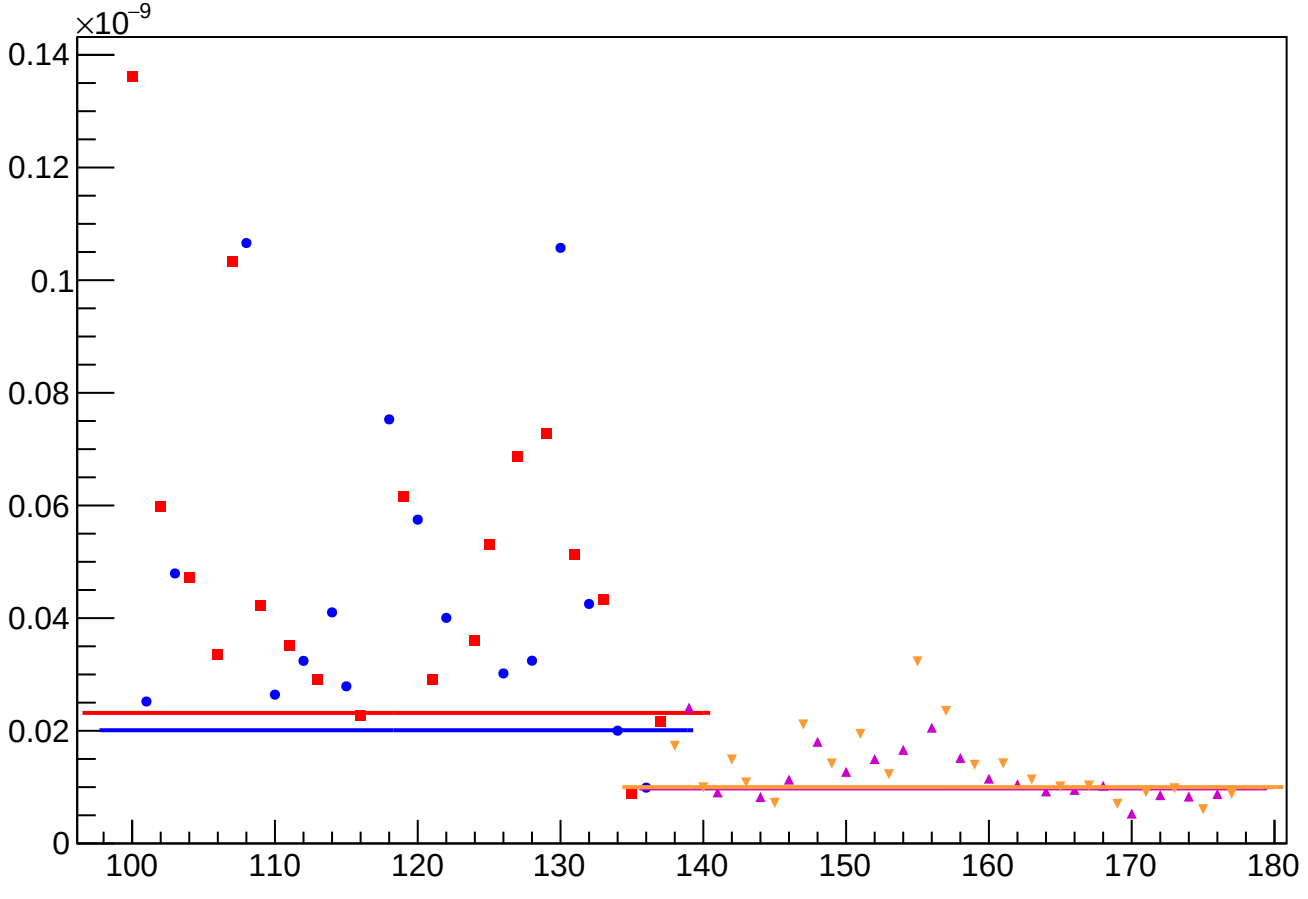
Left: -0.000+/-0.000 χ^2/NDF: 24.7/39

Right: 0.000+/-0.000 χ^2/NDF: 28.1/34

In: -0.000+/-0.000 χ^2/NDF:24.9/34

Out: 0.000+/-0.000 χ^2/NDF:27.6/39

All: -0.000+/-0.000 χ^2/NDF: 53.2/74



Right In: 0.000+/-0.000 χ^2/NDF: 3121422.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2751694.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2036491.4/18

Left: 0.000+/-0.000 χ^2/NDF: 4793049.3/39

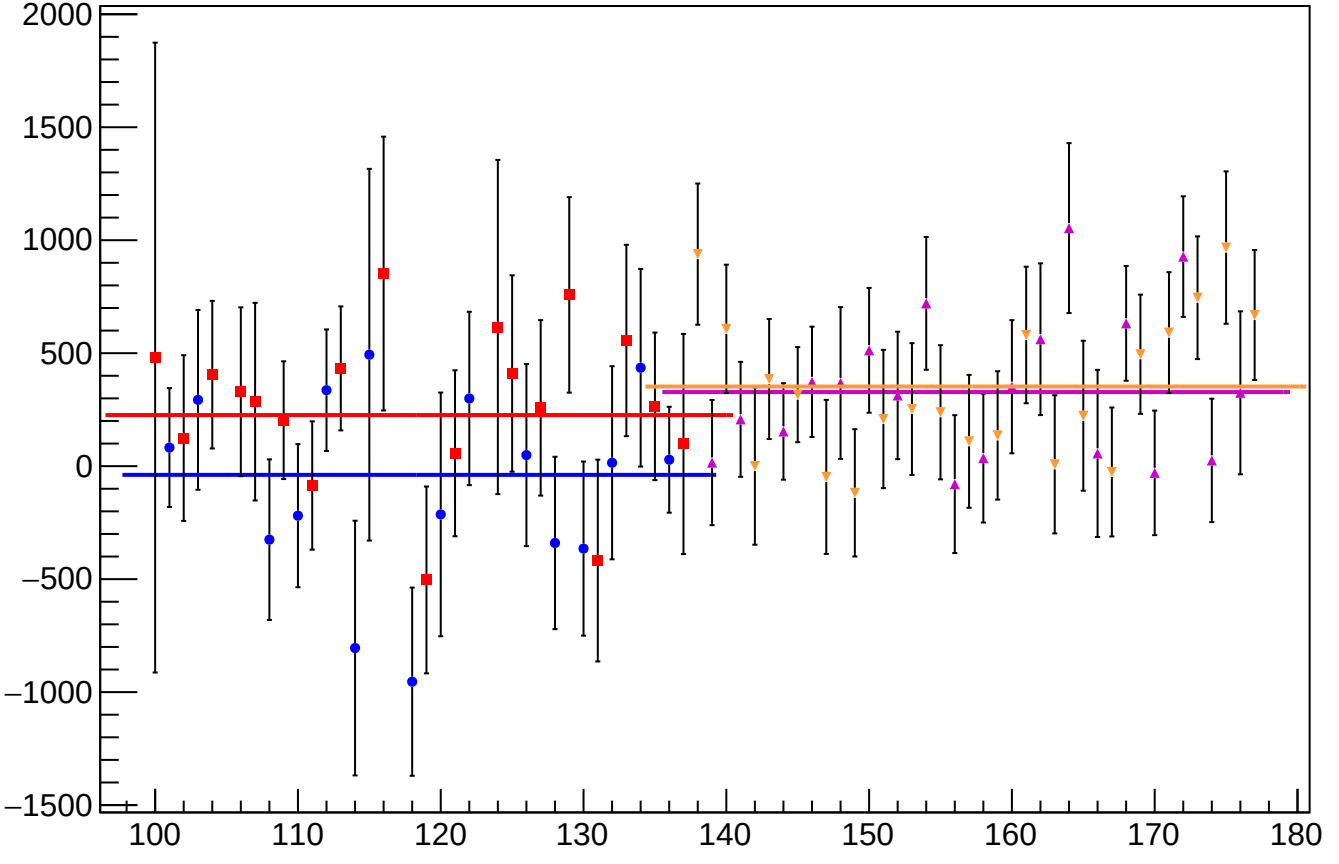
Right: 0.000+/-0.000 χ^2/NDF: 6709527.6/34

In: 0.000+/-0.000 χ^2/NDF:6500655.5/34

Out: 0.000+/-0.000 χ^2/NDF:8069467.7/39

All: 0.000+/-0.000 χ^2/NDF: 14576469.0/74

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 352.498+/-62.944 χ^2/NDF:22.8/20

Right Out: 226.168+/-87.908 χ^2/NDF: 11.4/18

Left In: 327.933+/-65.242 χ^2/NDF:21.4/18

Left: 340.656+/-45.299 χ^2/NDF: 44.3/39

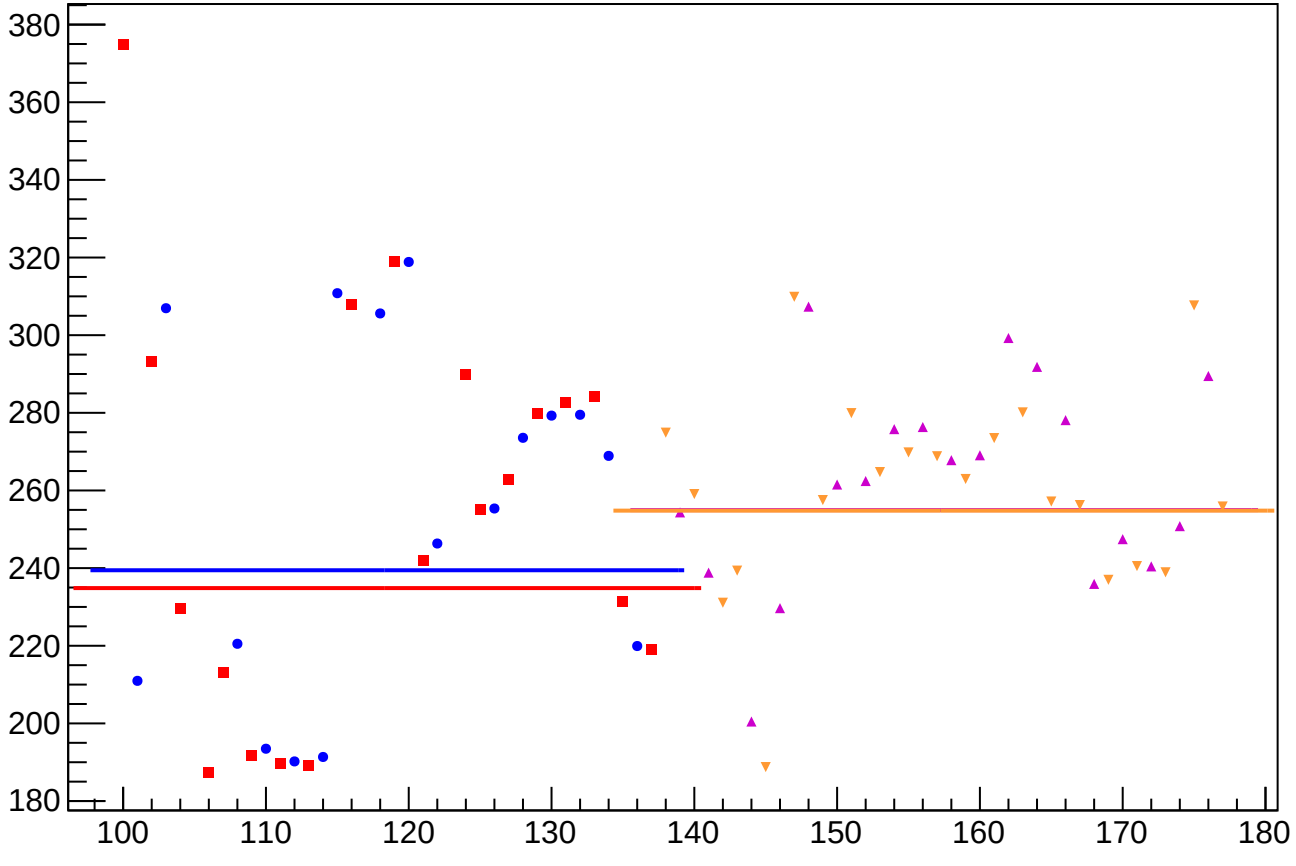
Right: 97.852+/-63.097 χ^2/NDF: 30.3/34

In: 202.837+/-52.947 χ^2/NDF:46.7/34

Out: 309.681+/-51.178 χ^2/NDF:35.6/39

All: 258.074+/-36.798 χ^2/NDF: 84.3/74

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 254.806+/-0.045 χ^2/NDF:393574.4/20

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

Left In: 254.945+/-0.046 χ^2/NDF:338702.4/18

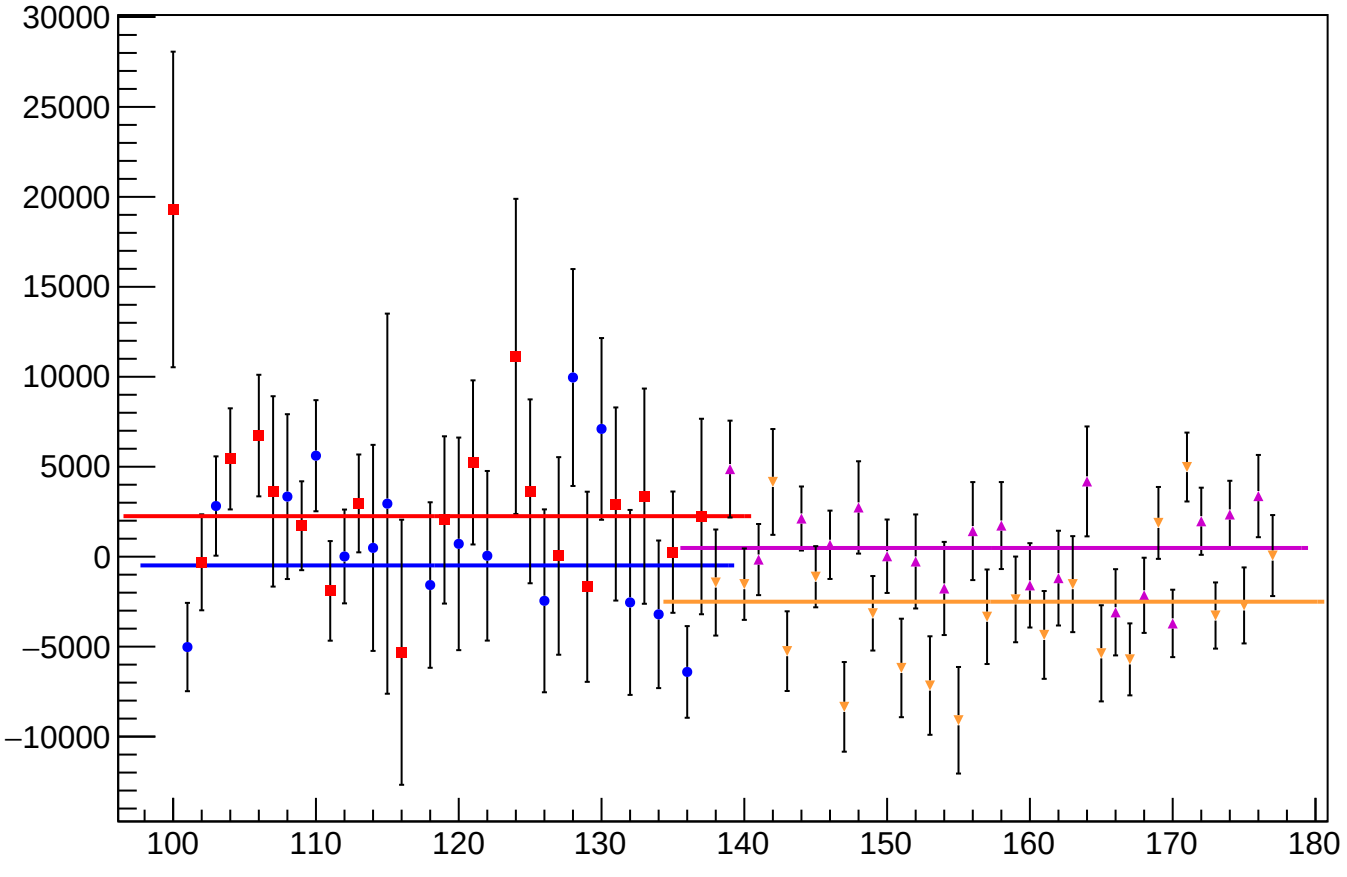
Left: 254.873+/-0.032 χ^2/NDF: 732281.5/39

Right: 237.082+/-0.045 χ^2/NDF: 885319.7/34

In: 249.655+/-0.037 χ^2/NDF:778175.2/34

Out: 248.044+/-0.036 χ^2/NDF:943393.0/39

All: 248.822+/-0.026 χ^2/NDF: 1722525.2/74



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -2502.492+/-495.759 χ^2/NDF:49.1/20

Right Out: 2251.898+/-894.171 χ^2/NDF: 13.9/18

Left In: 483.915+/-508.636 χ^2/NDF:20.4/18

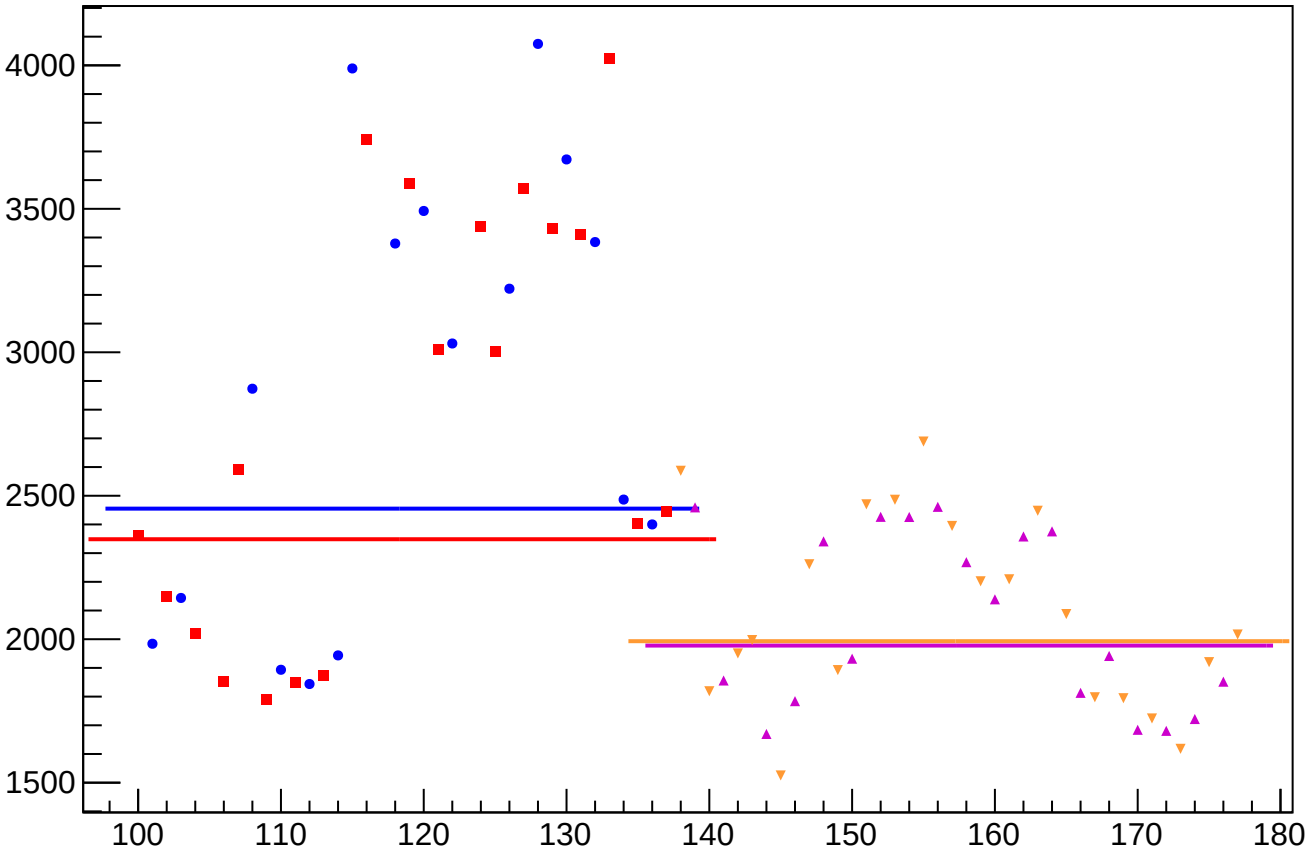
Left: -1047.567+/-355.020 χ^2/NDF: 87.1/39

Right: 962.136+/-650.297 χ^2/NDF: 39.4/34

In: 266.939+/-448.142 χ^2/NDF:42.3/34

Out: -1384.631+/-433.578 χ^2/NDF:84.6/39

All: -586.118+/-311.607 χ^2/NDF: 133.9/74



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 1993.111+/-0.351 χ^2/NDF:814936.7/20

Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

Left In: 1977.865+/-0.360 χ^2/NDF:642654.4/18

Left: 1985.684+/-0.251 χ^2/NDF: 1458512.6/39

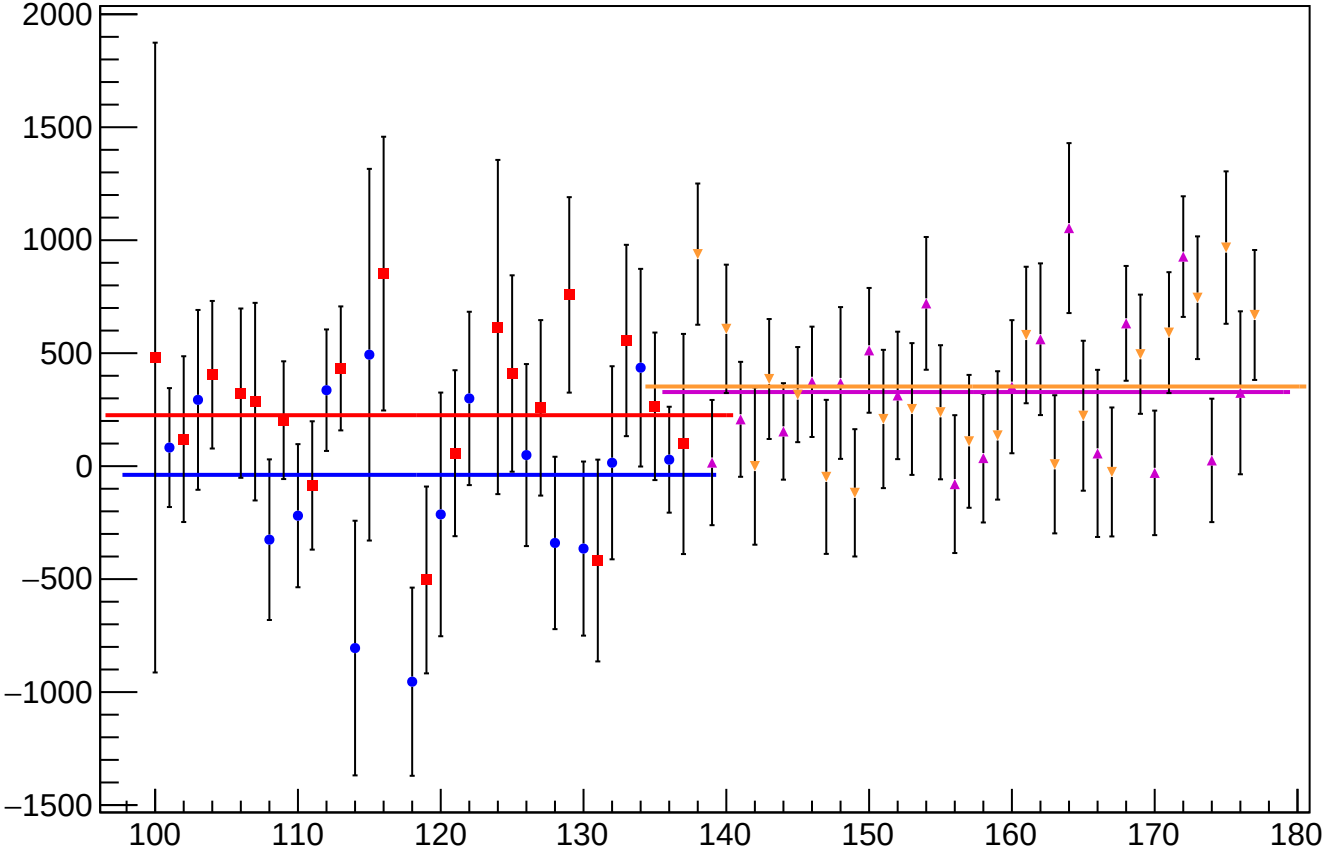
Right: 2398.691+/-0.460 χ^2/NDF: 1960216.3/34

In: 2084.634+/-0.317 χ^2/NDF:1930952.5/34

Out: 2076.658+/-0.307 χ^2/NDF:2108936.6/39

All: 2080.514+/-0.220 χ^2/NDF: 4040216.3/74

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 352.510+/-62.944 χ^2/NDF:22.8/20

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 327.936+/-65.242 χ^2/NDF:21.4/18

Left: 340.663+/-45.299 χ^2/NDF: 44.3/39

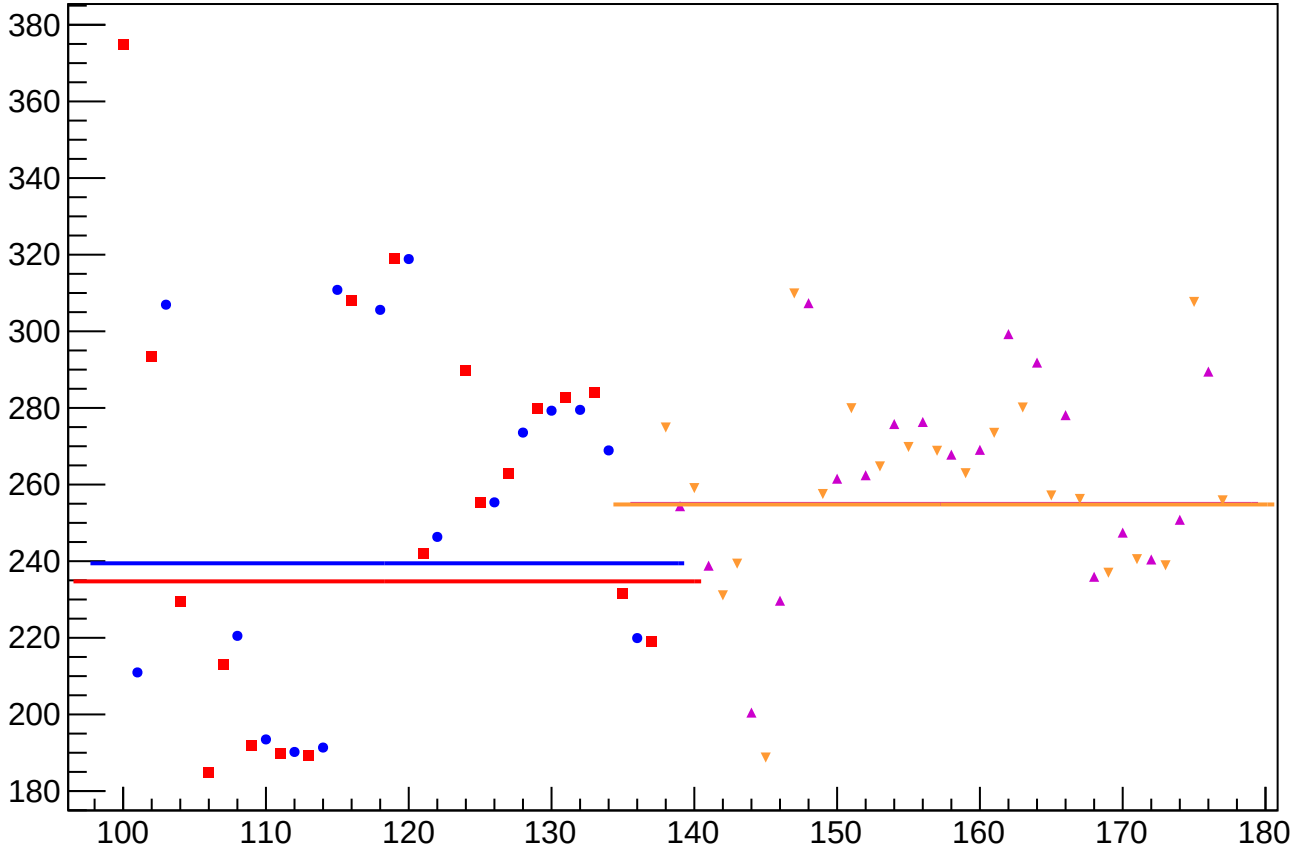
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 202.832+/-52.947 χ^2/NDF:46.7/34

Out: 309.477+/-51.180 χ^2/NDF:35.6/39

All: 257.963+/-36.799 χ^2/NDF: 84.3/74

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 254.806+/-0.045 χ^2/NDF:393574.4/20

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 254.945+/-0.046 χ^2/NDF:338702.4/18

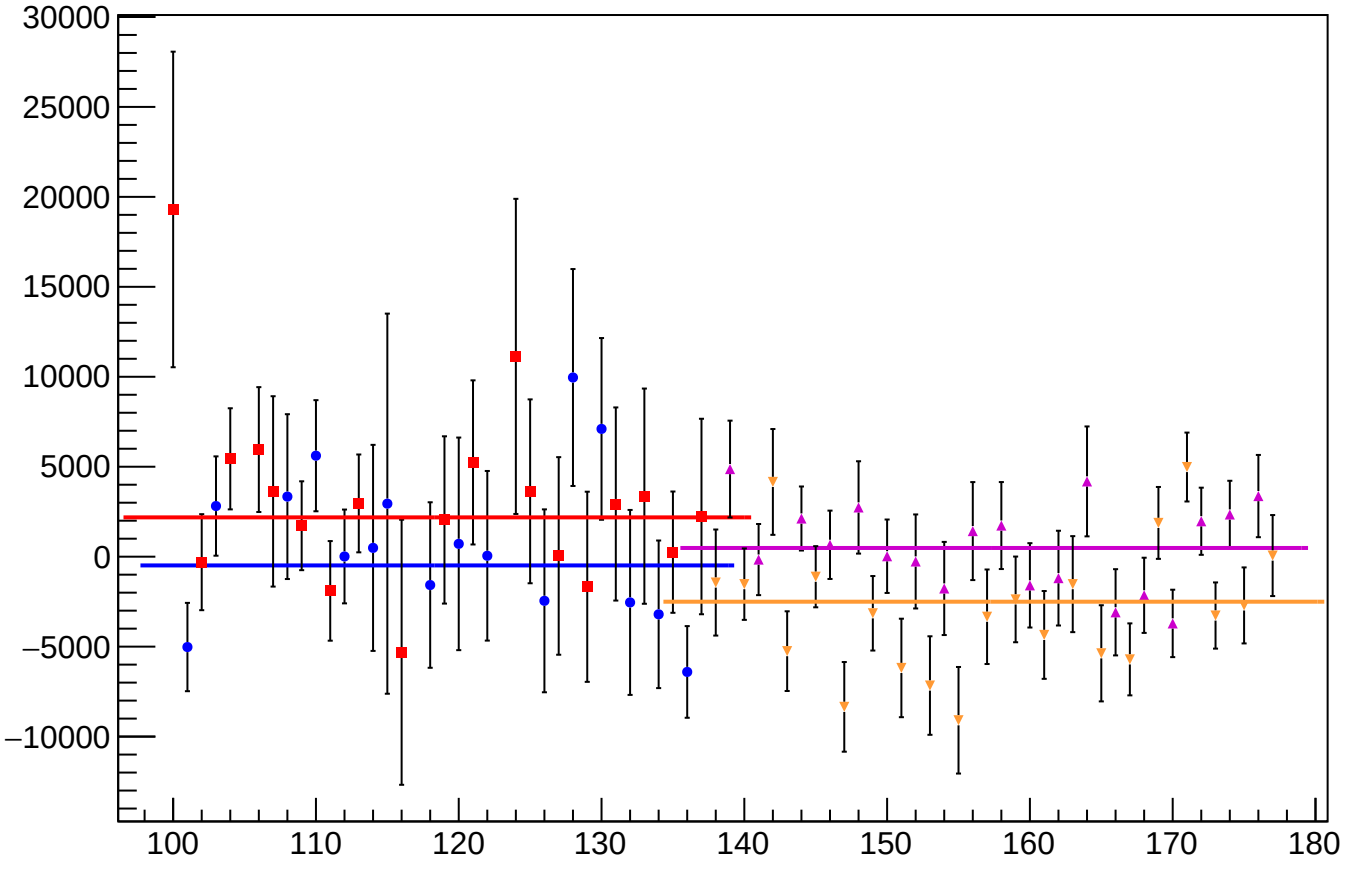
Left: 254.873+/-0.032 χ^2/NDF: 732281.5/39

Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 249.655+/-0.037 χ^2/NDF:778177.3/34

Out: 248.004+/-0.036 χ^2/NDF:947735.4/39

All: 248.801+/-0.026 χ^2/NDF: 1726917.6/74



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2502.481+/-495.759 χ^2/NDF:49.1/20

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 483.928+/-508.636 χ^2/NDF:20.4/18

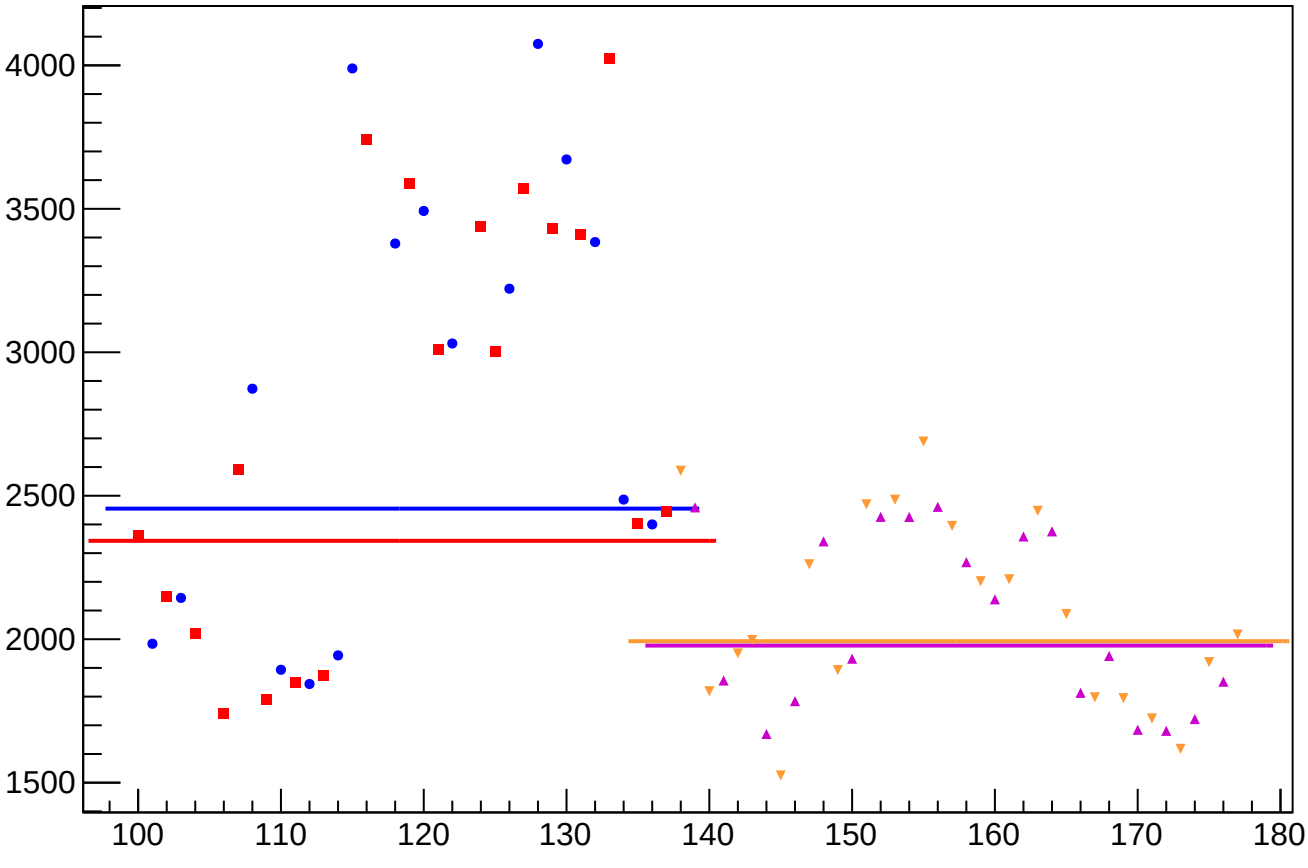
Left: -1047.556+/-355.020 χ^2/NDF: 87.1/39

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 266.913+/-448.142 χ^2/NDF:42.3/34

Out: -1403.574+/-433.770 χ^2/NDF:83.3/39

All: -595.547+/-311.679 χ^2/NDF: 132.7/74



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 1993.111+/-0.351 χ^2/NDF:814937.2/20

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 1977.866+/-0.360 χ^2/NDF:642654.3/18

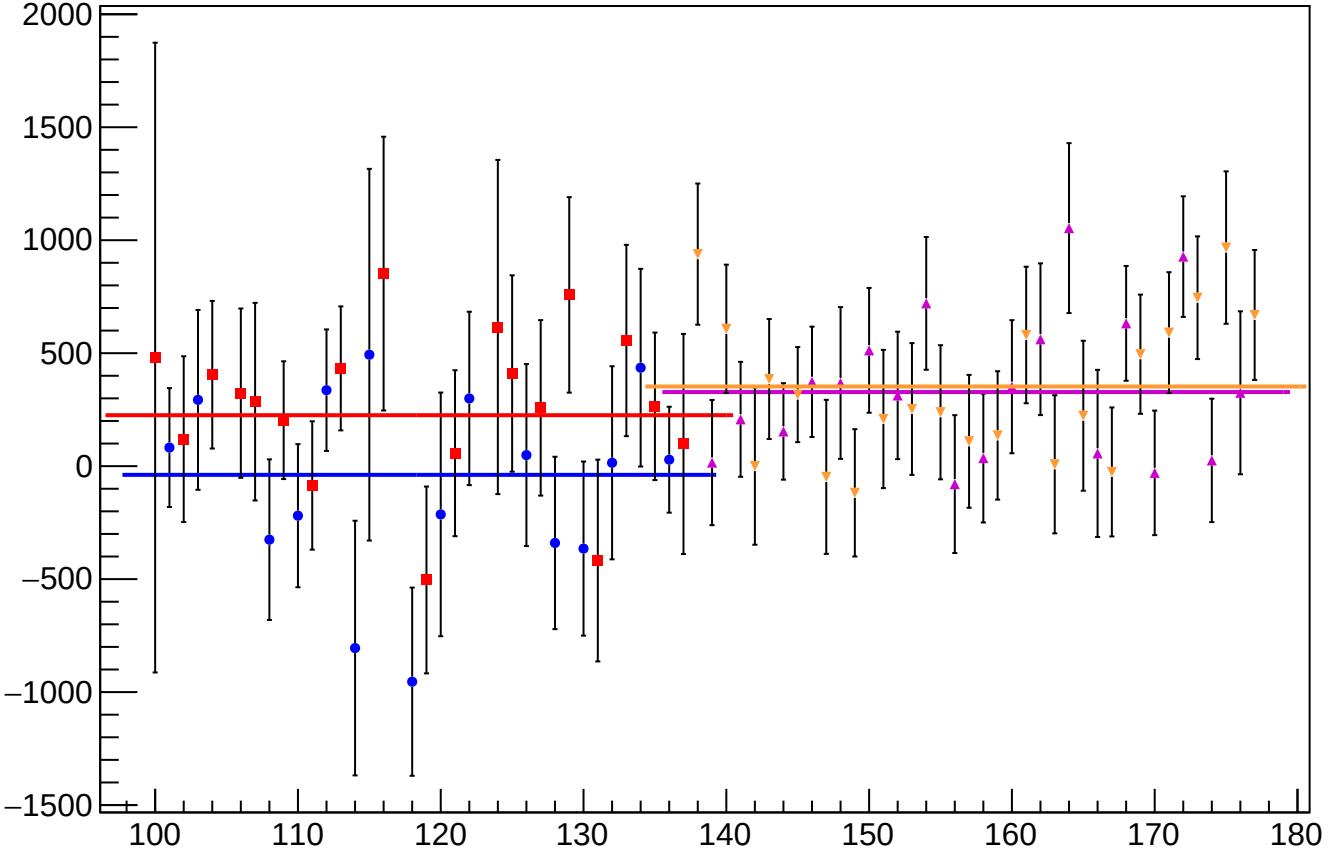
Left: 1985.684+/-0.251 χ^2/NDF: 1458512.8/39

Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2084.638+/-0.317 χ^2/NDF:1930955.4/34

Out: 2075.129+/-0.307 χ^2/NDF:2118818.9/39

All: 2079.729+/-0.220 χ^2/NDF: 4050239.2/74



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 352.510+/-62.944 χ^2/NDF:22.8/20

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 327.936+/-65.242 χ^2/NDF:21.4/18

Left: 340.663+/-45.299 χ^2/NDF: 44.3/39

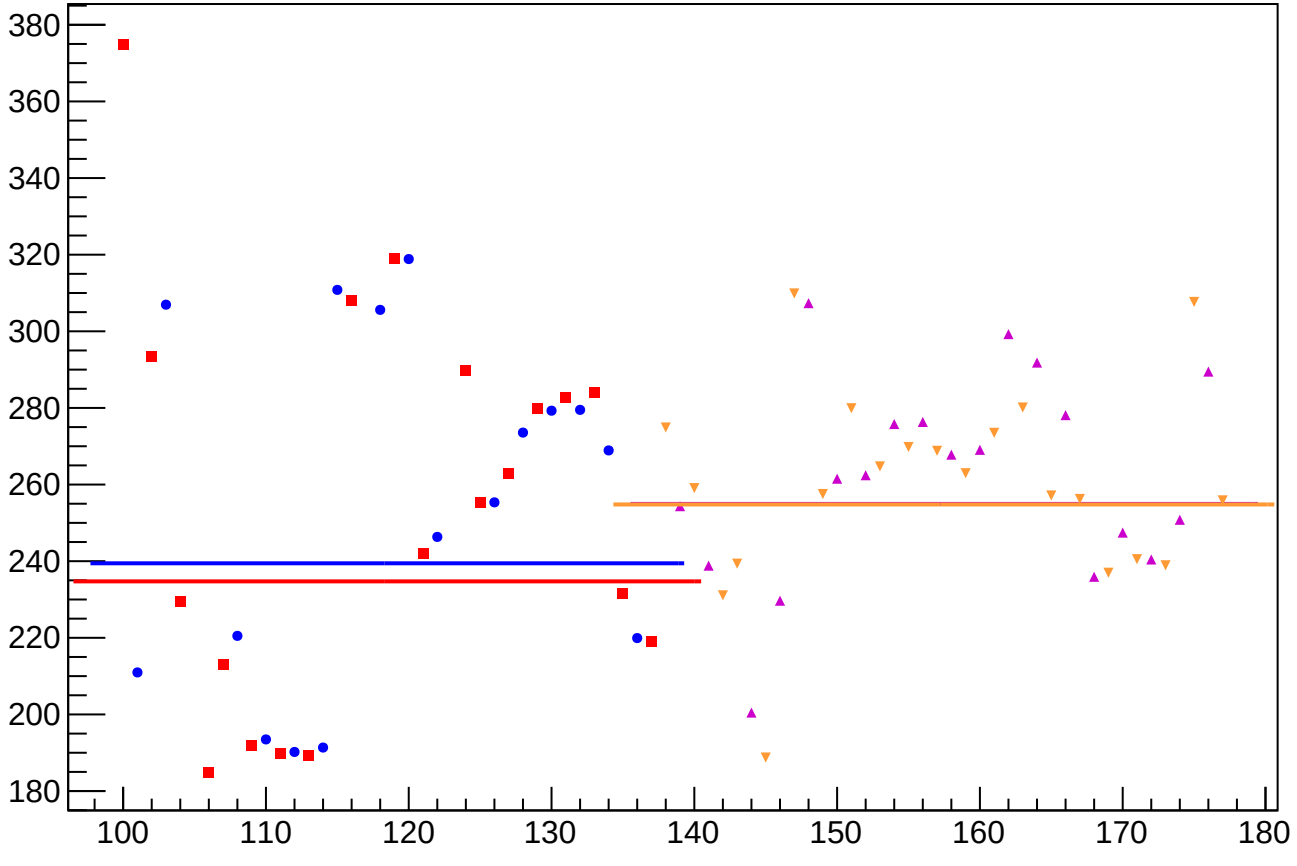
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 202.832+/-52.947 χ^2/NDF:46.7/34

Out: 309.477+/-51.180 χ^2/NDF:35.6/39

All: 257.963+/-36.799 χ^2/NDF: 84.3/74

eigen_cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 254.806+/-0.045 χ^2/NDF:393574.4/20

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 254.945+/-0.046 χ^2/NDF:338702.4/18

Left: 254.873+/-0.032 χ^2/NDF: 732281.5/39

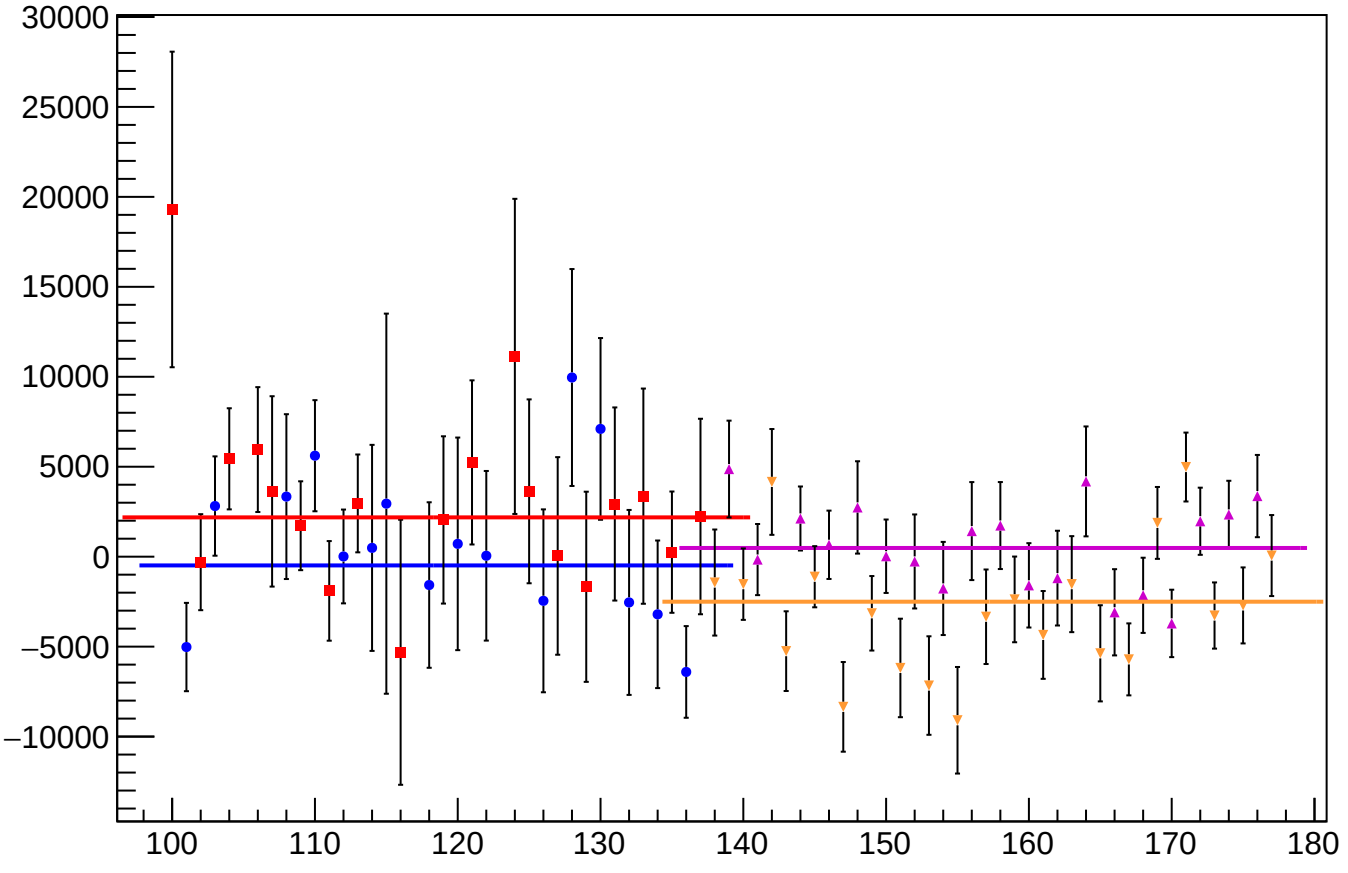
Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 249.655+/-0.037 χ^2/NDF:778177.3/34

Out: 248.004+/-0.036 χ^2/NDF:947735.4/39

All: 248.801+/-0.026 χ^2/NDF: 1726917.6/74

asym_sam4_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2502.481+/-495.759 χ^2/NDF:49.1/20

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 483.928+/-508.636 χ^2/NDF:20.4/18

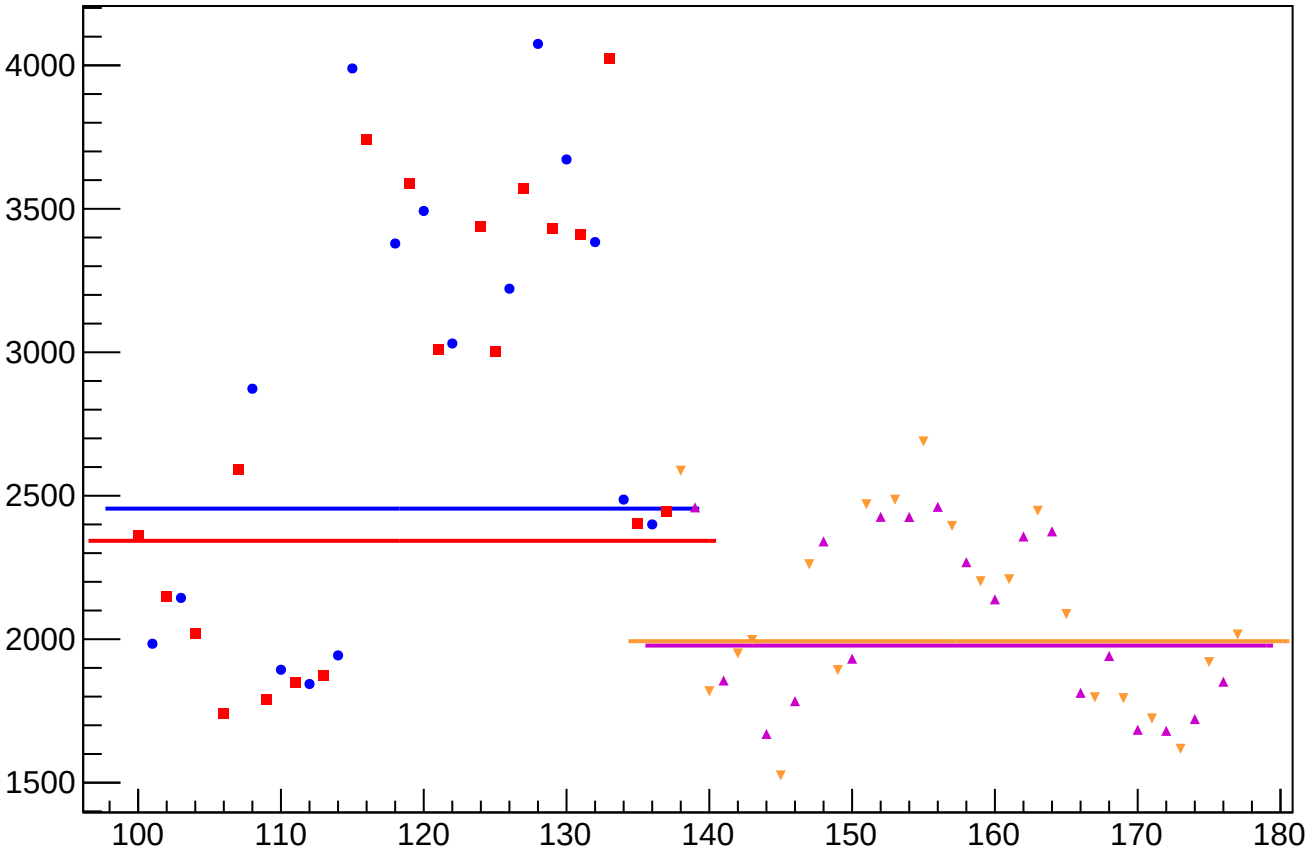
Left: -1047.556+/-355.020 χ^2/NDF: 87.1/39

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 266.913+/-448.142 χ^2/NDF:42.3/34

Out: -1403.574+/-433.770 χ^2/NDF:83.3/39

All: -595.547+/-311.679 χ^2/NDF: 132.7/74



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 1993.111+/-0.351 χ^2/NDF:814937.2/20

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 1977.866+/-0.360 χ^2/NDF:642654.3/18

Left: 1985.684+/-0.251 χ^2/NDF: 1458512.8/39

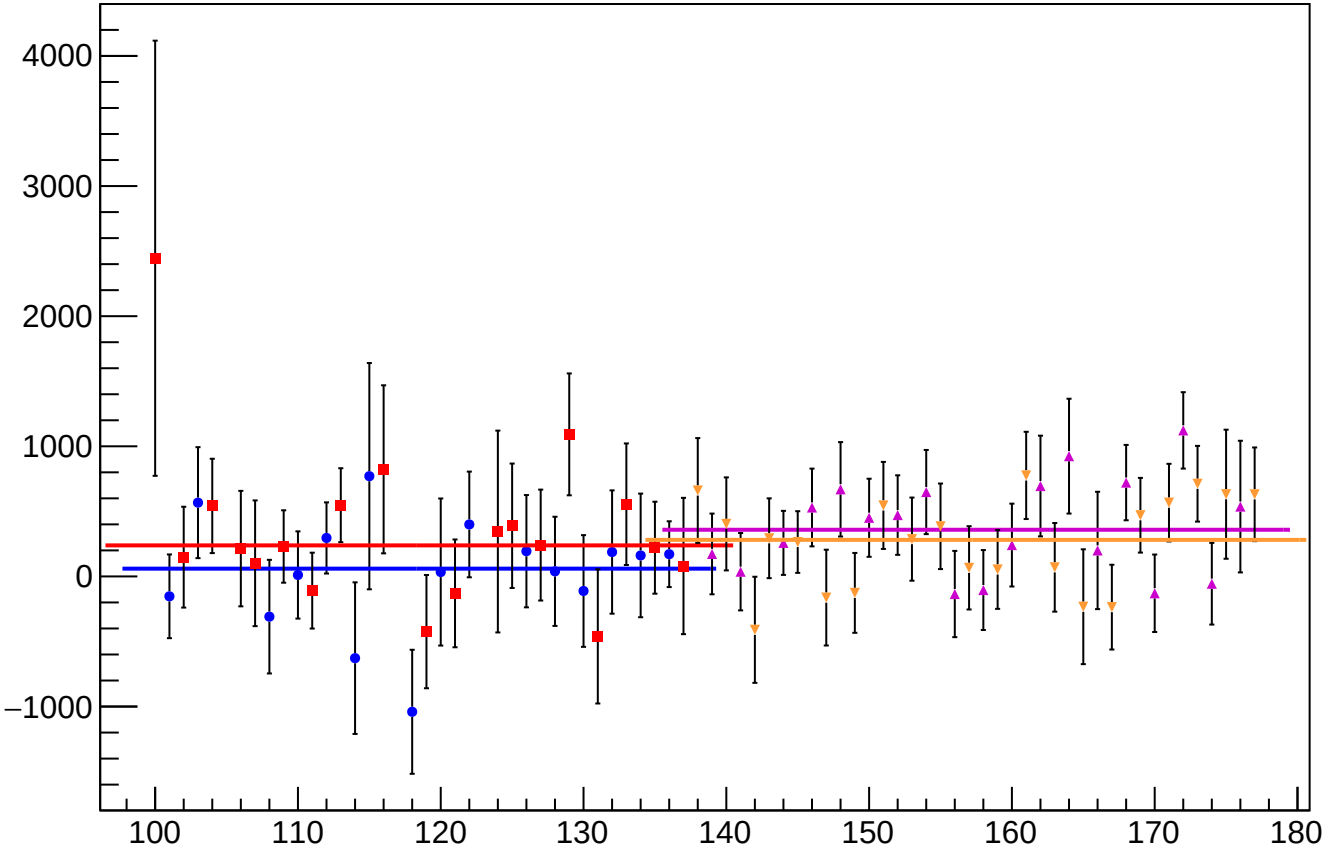
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2084.638+/-0.317 χ^2/NDF:1930955.4/34

Out: 2075.129+/-0.307 χ^2/NDF:2118818.9/39

All: 2079.729+/-0.220 χ^2/NDF: 4050239.2/74

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 280.931+/-71.768 χ^2/NDF:20.3/20

Right Out: 238.516+/-95.062 χ^2/NDF: 14.9/18

Left In: 358.623+/-73.807 χ^2/NDF:23.8/18

Left: 318.689+/-51.454 χ^2/NDF: 44.7/39

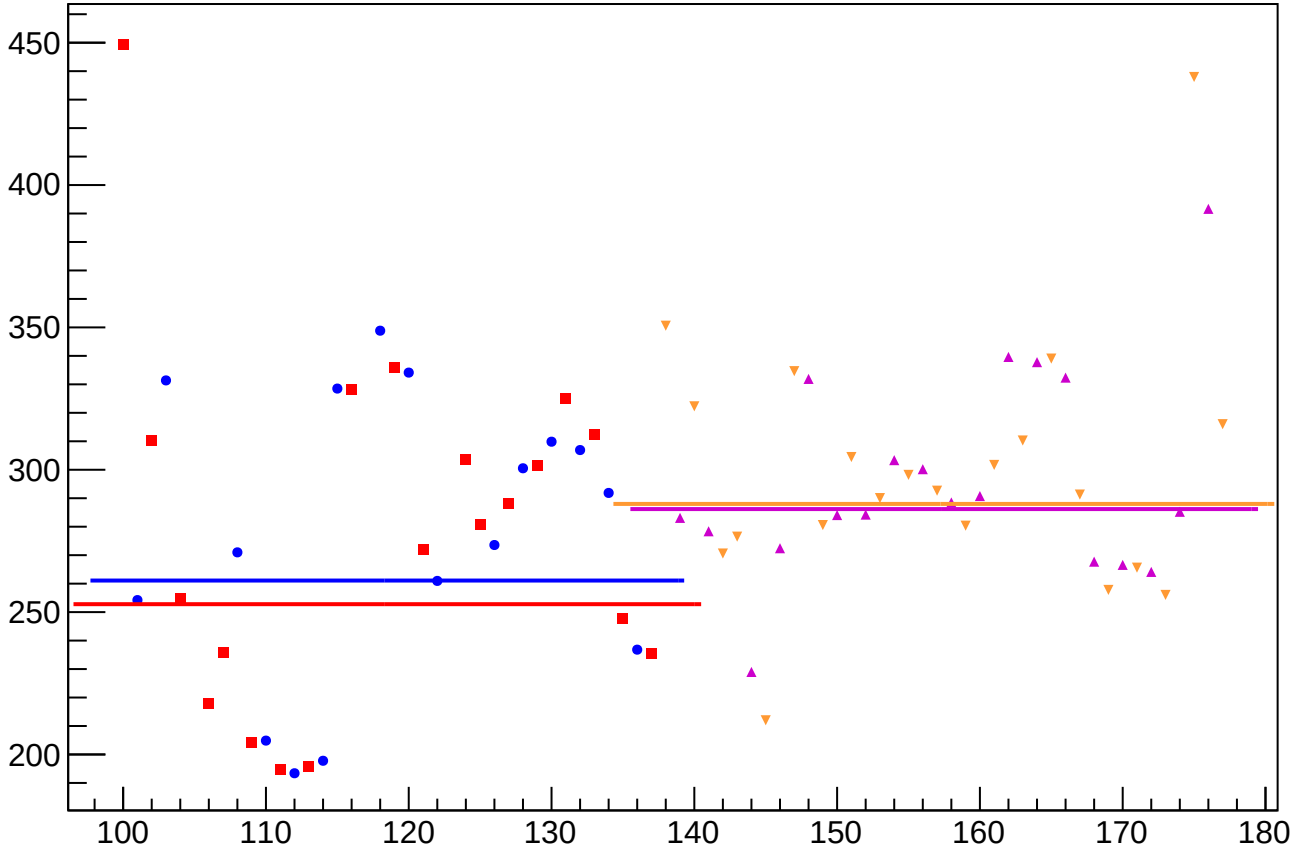
Right: 152.955+/-68.645 χ^2/NDF: 28.6/34

In: 252.162+/-59.221 χ^2/NDF:41.7/34

Out: 265.532+/-57.278 χ^2/NDF:35.4/39

All: 259.070+/-41.172 χ^2/NDF: 77.1/74

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 288.001+/-0.051 χ^2/NDF:612014.3/20

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

Left In: 286.191+/-0.052 χ^2/NDF:357014.4/18

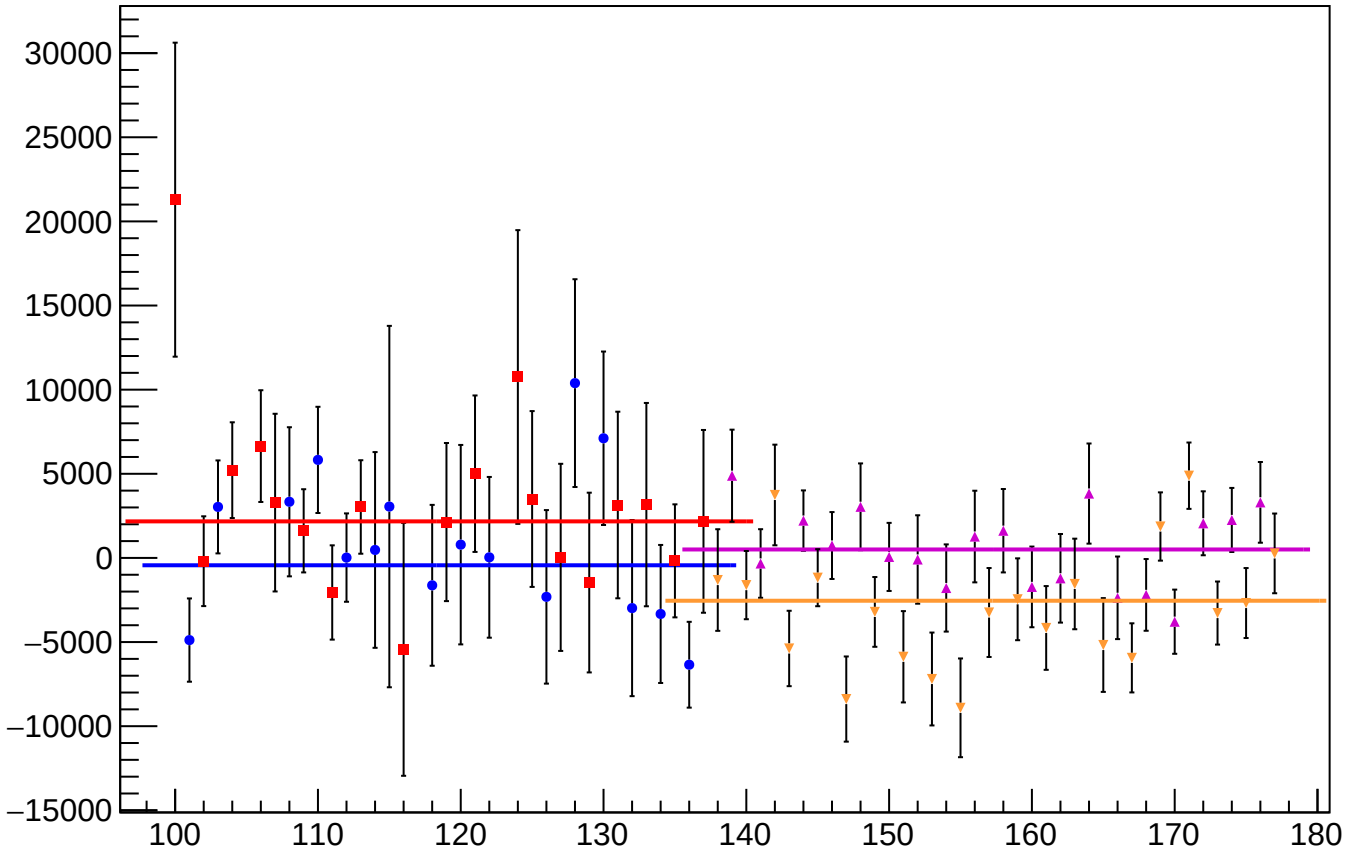
Left: 287.121+/-0.036 χ^2/NDF: 969647.1/39

Right: 256.760+/-0.049 χ^2/NDF: 1007252.4/34

In: 277.250+/-0.042 χ^2/NDF:902076.6/34

Out: 275.217+/-0.041 χ^2/NDF:1324110.0/39

All: 276.199+/-0.029 χ^2/NDF: 2227404.6/74



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -2544.620+/-502.773 χ^2/NDF:46.3/20

Right Out: 2172.091+/-901.102 χ^2/NDF: 14.0/18

Left In: 502.348+/-516.880 χ^2/NDF:19.2/18

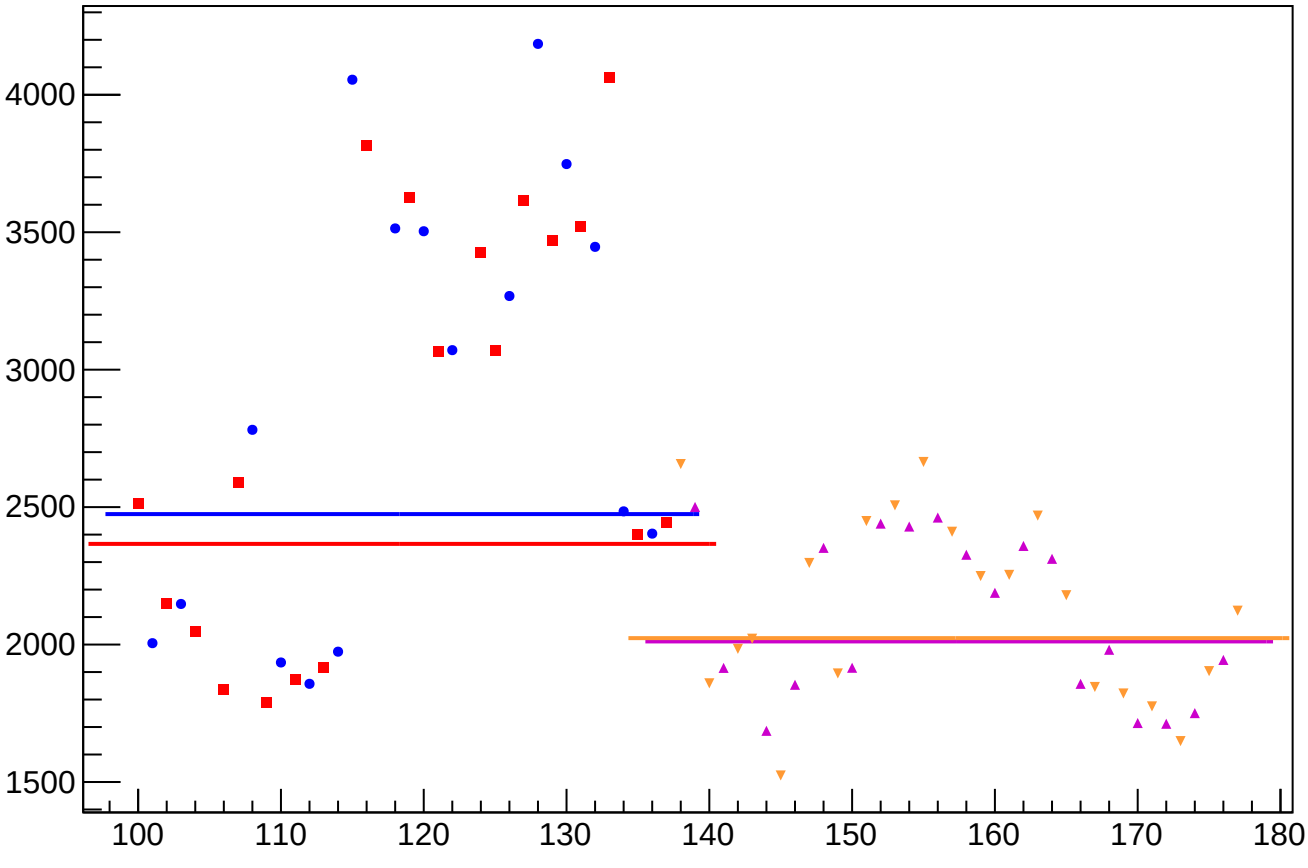
Left: -1063.283+/-360.398 χ^2/NDF: 83.4/39

Right: 943.553+/-655.445 χ^2/NDF: 39.1/34

In: 289.630+/-454.585 χ^2/NDF:41.2/34

Out: -1424.848+/-439.055 χ^2/NDF:81.2/39

All: -597.395+/-315.806 χ^2/NDF: 129.7/74



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 2023.395+/-0.356 χ^2/NDF:807021.6/20

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

Left In: 2011.388+/-0.365 χ^2/NDF:590000.0/18

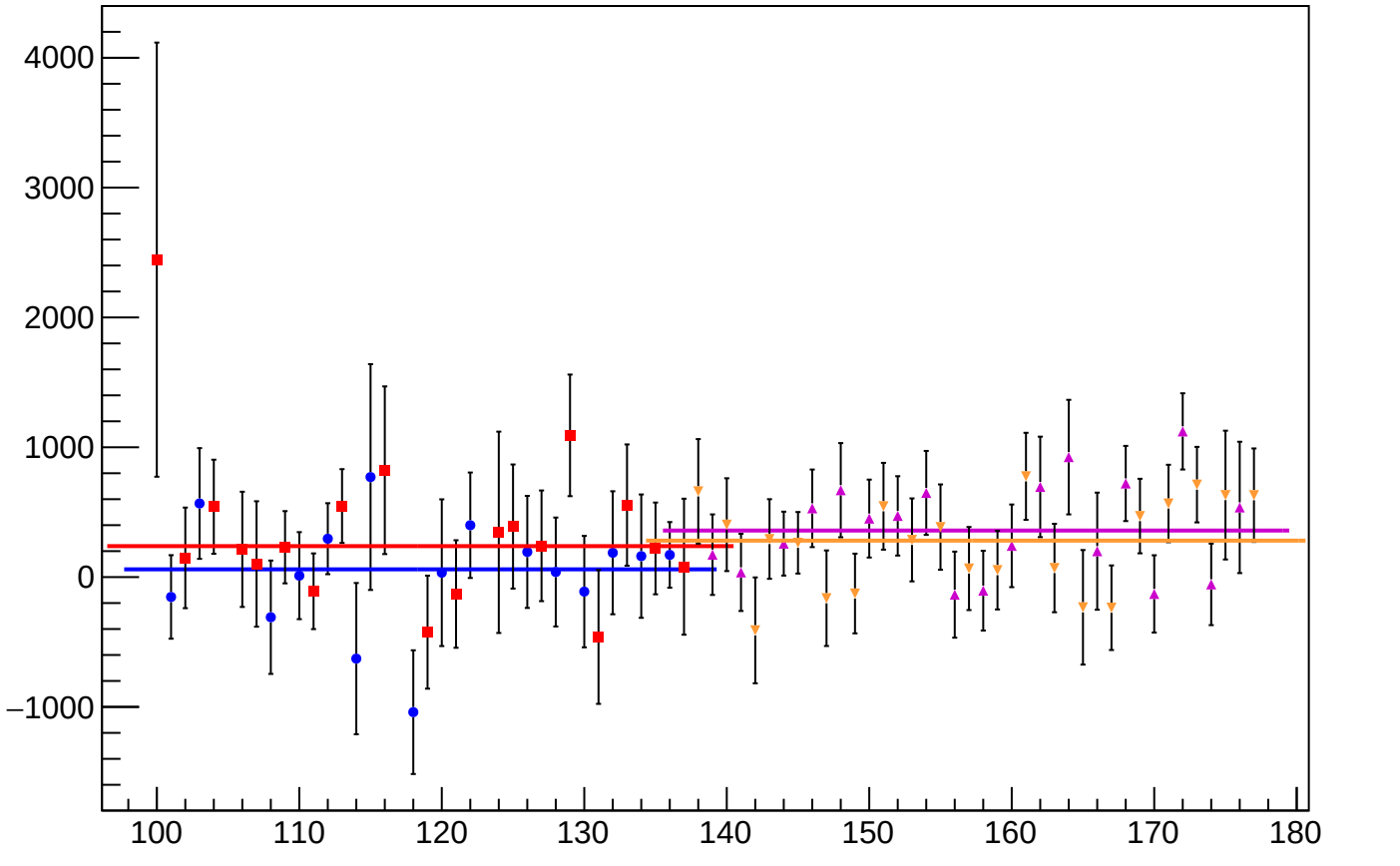
Left: 2017.558+/-0.255 χ^2/NDF: 1397576.1/39

Right: 2417.269+/-0.463 χ^2/NDF: 2007056.0/34

In: 2116.319+/-0.321 χ^2/NDF:1870125.7/34

Out: 2104.783+/-0.310 χ^2/NDF:2104959.2/39

All: 2110.351+/-0.223 χ^2/NDF: 3975751.2/74



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 280.935+/-71.769 χ^2/NDF:20.3/20

Right Out: 238.515+/-95.062 χ^2/NDF: 14.9/18

Left In: 358.624+/-73.807 χ^2/NDF:23.8/18

Left: 318.692+/-51.454 χ^2/NDF: 44.7/39

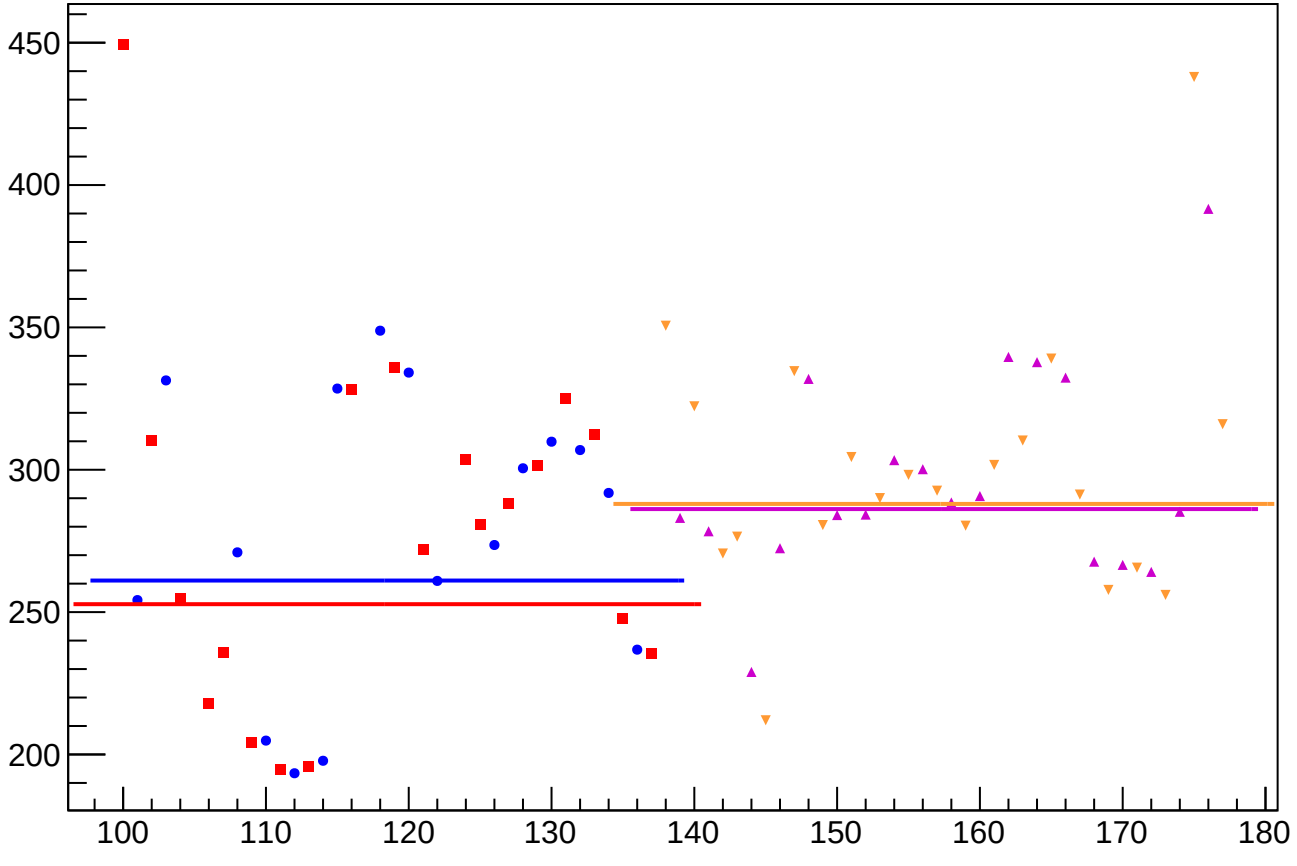
Right: 152.957+/-68.645 χ^2/NDF: 28.6/34

In: 252.164+/-59.221 χ^2/NDF:41.7/34

Out: 265.535+/-57.278 χ^2/NDF:35.4/39

All: 259.072+/-41.172 χ^2/NDF: 77.1/74

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 288.001+/-0.051 χ^2/NDF:612008.7/20

Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 286.191+/-0.052 χ^2/NDF:357009.3/18

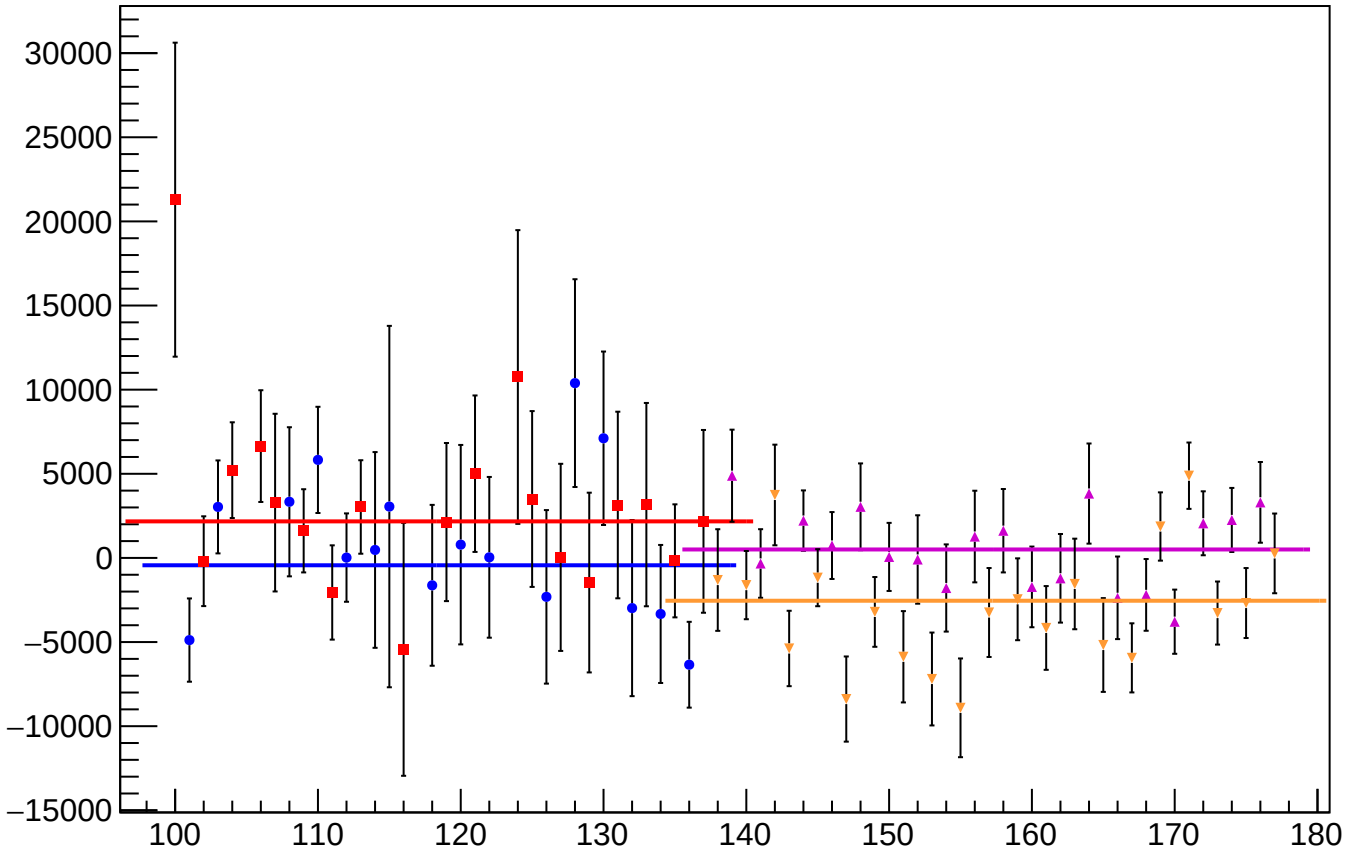
Left: 287.122+/-0.036 χ^2/NDF: 969636.4/39

Right: 256.760+/-0.049 χ^2/NDF: 1007258.7/34

In: 277.250+/-0.042 χ^2/NDF:902075.9/34

Out: 275.217+/-0.041 χ^2/NDF:1324110.7/39

All: 276.200+/-0.029 χ^2/NDF: 2227404.5/74



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -2544.615+/-502.773 χ^2/NDF:46.3/20

Right Out: 2172.089+/-901.101 χ^2/NDF: 14.0/18

Left In: 502.345+/-516.879 χ^2/NDF:19.2/18

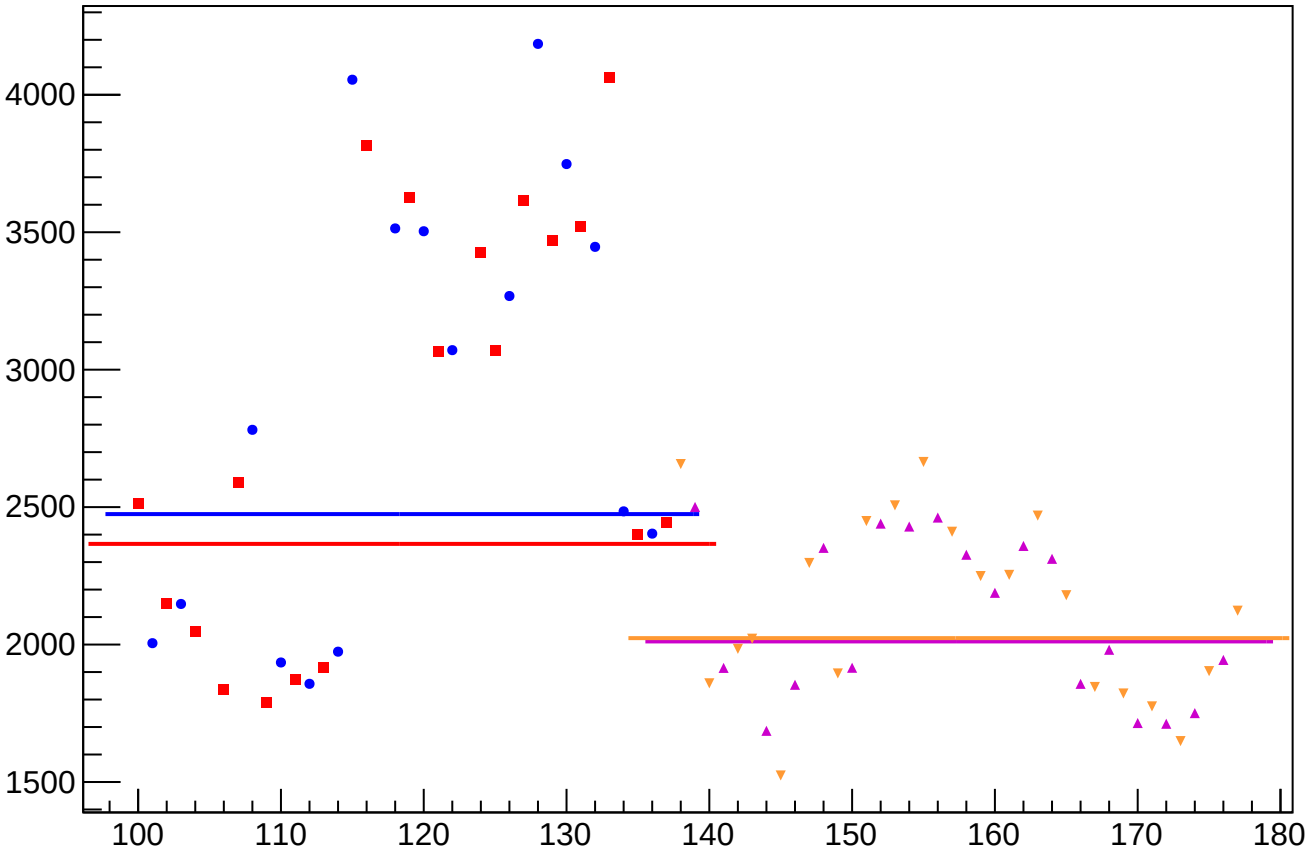
Left: -1063.281+/-360.398 χ^2/NDF: 83.4/39

Right: 943.553+/-655.444 χ^2/NDF: 39.1/34

In: 289.628+/-454.584 χ^2/NDF:41.2/34

Out: -1424.846+/-439.055 χ^2/NDF:81.2/39

All: -597.394+/-315.806 χ^2/NDF: 129.7/74



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 2023.392+/-0.356 χ^2/NDF:807025.5/20

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

Left In: 2011.386+/-0.365 χ^2/NDF:590001.0/18

Left: 2017.555+/-0.255 χ^2/NDF: 1397581.0/39

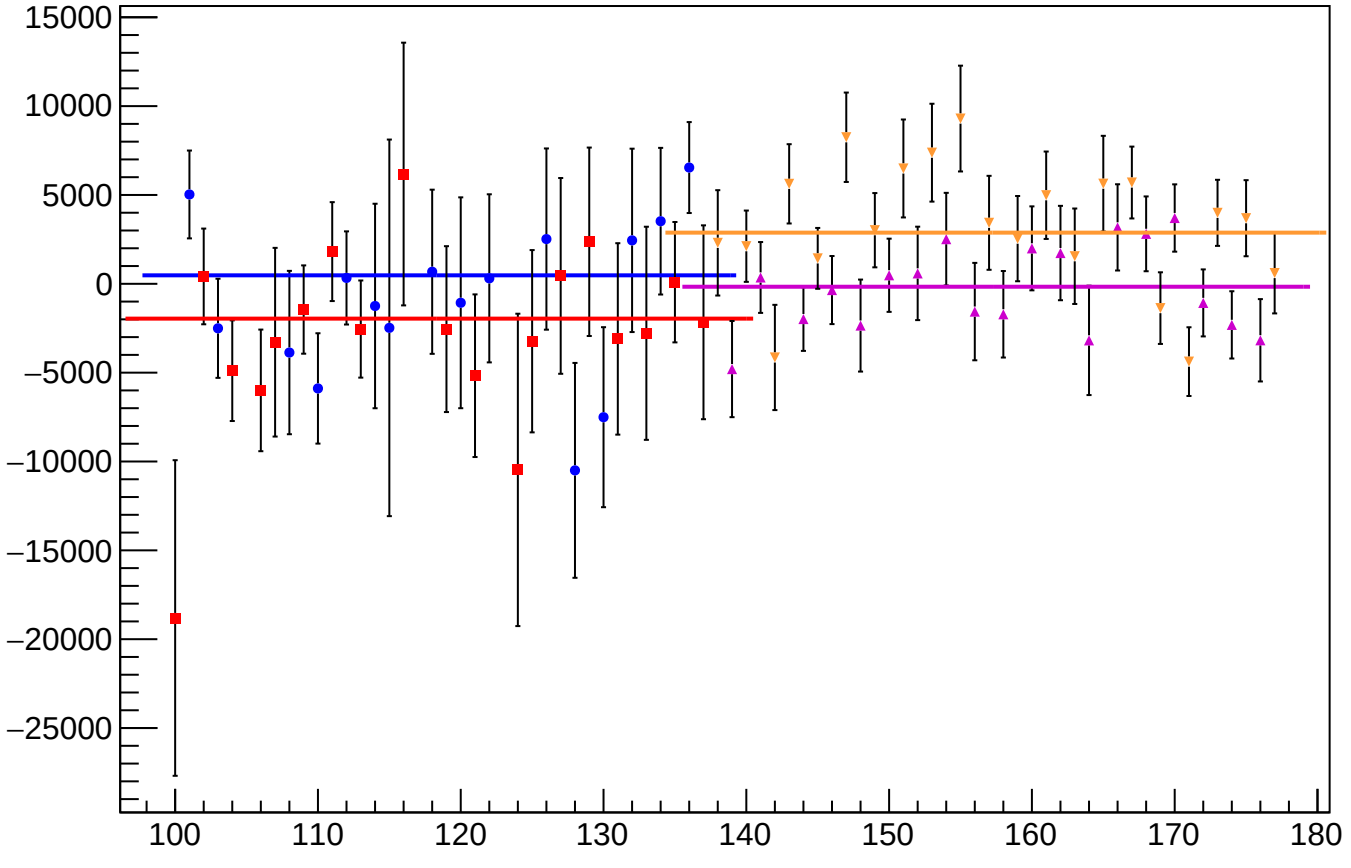
Right: 2417.267+/-0.463 χ^2/NDF: 2007061.7/34

In: 2116.316+/-0.321 χ^2/NDF:1870132.2/34

Out: 2104.781+/-0.310 χ^2/NDF:2104967.2/39

All: 2110.348+/-0.223 χ^2/NDF: 3975765.7/74

asym_sam4_mean vs Slug, Sign Corrected



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 2879.915+/-500.051 χ^2/NDF:45.7/20

Right Out: -1959.491+/-899.702 χ^2/NDF: 12.8/18

Left In: -164.550+/-513.113 χ^2/NDF:20.2/18

Left: 1396.924+/-358.118 χ^2/NDF: 84.0/39

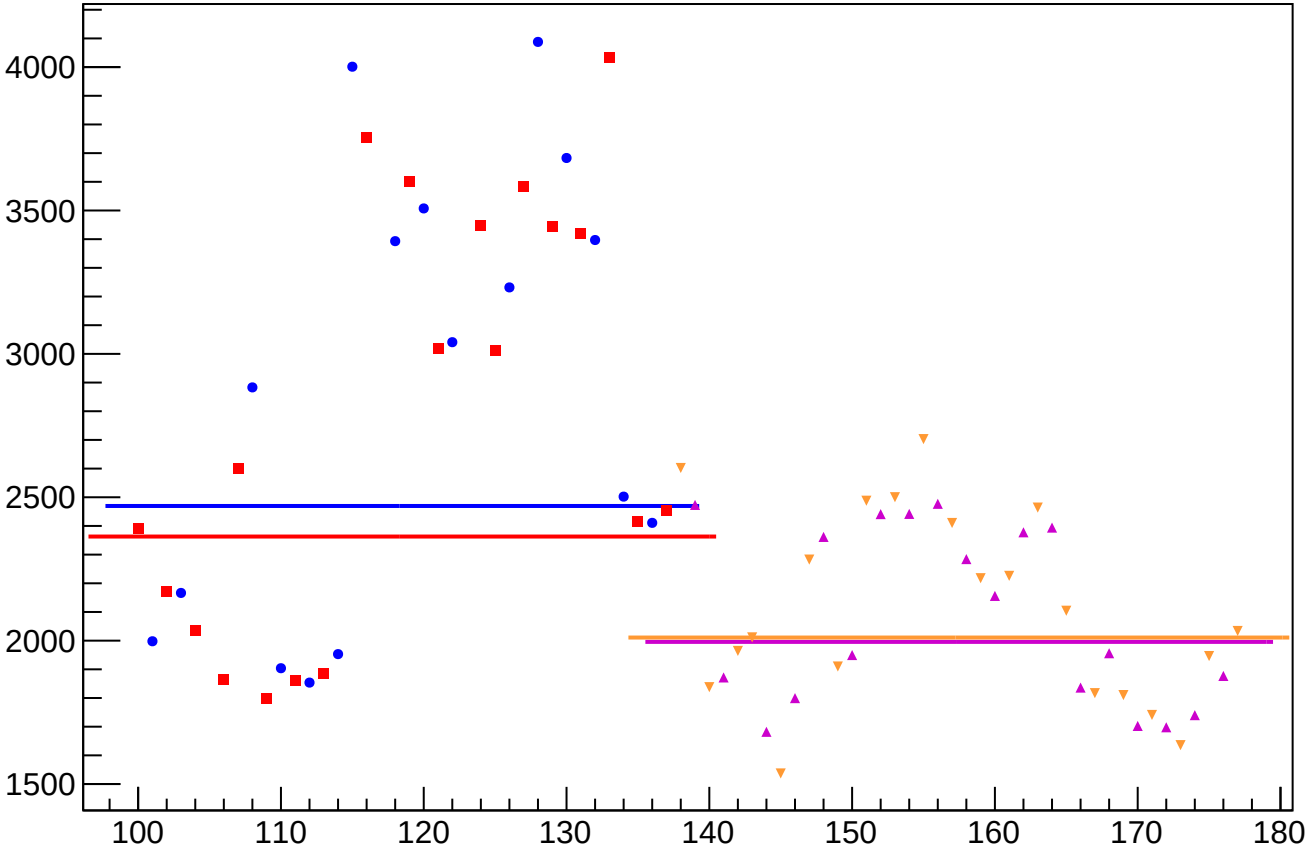
Right: -810.830+/-654.136 χ^2/NDF: 38.4/34

In: -20.245+/-451.763 χ^2/NDF:42.7/34

Out: 1737.789+/-437.079 χ^2/NDF:80.6/39

All: 887.808+/-314.124 χ^2/NDF: 131.2/74

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 2010.852+/-0.354 χ^2/NDF:803025.2/20

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

Left In: 1995.698+/-0.363 χ^2/NDF:632140.8/18

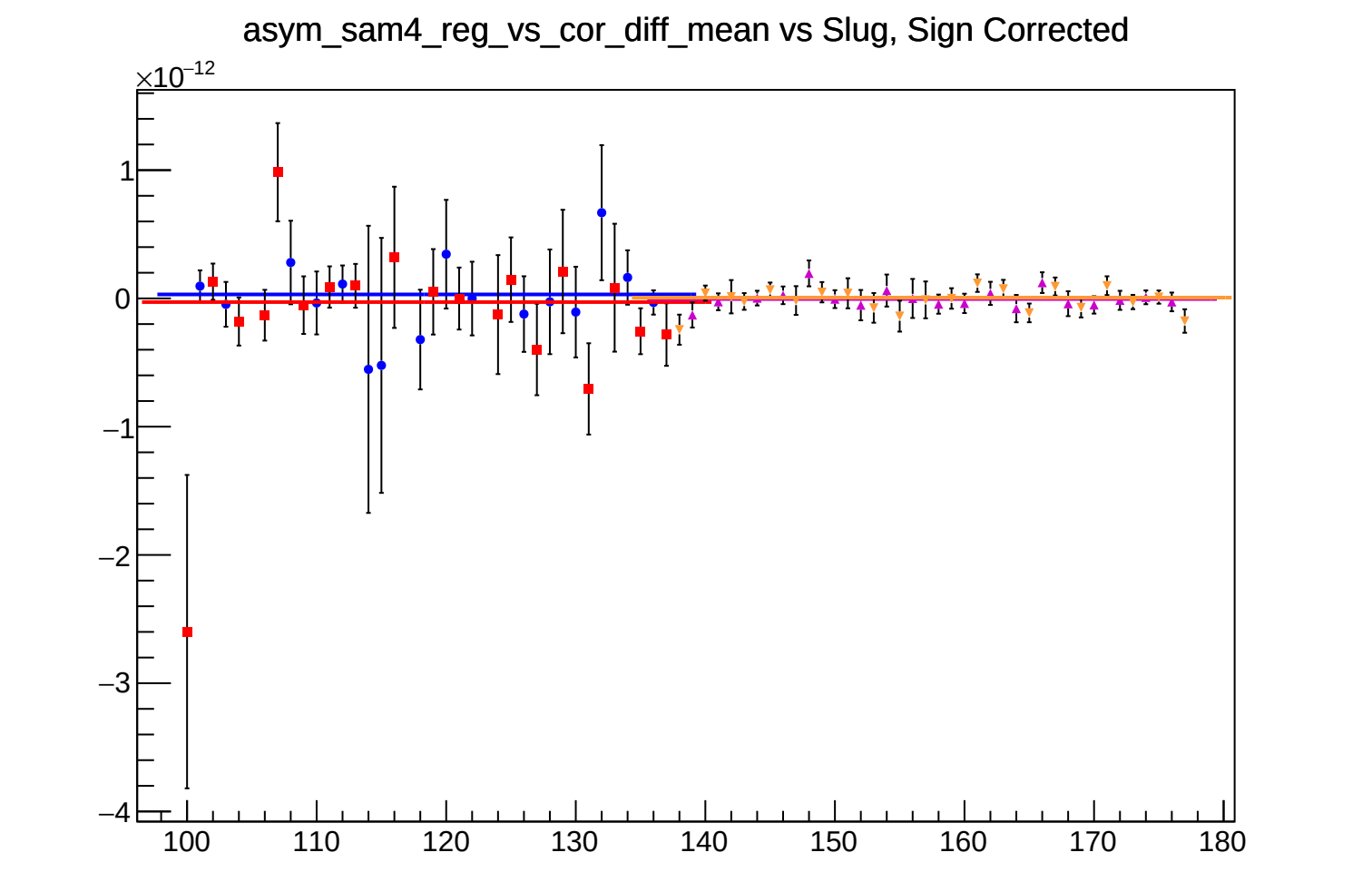
Left: 2003.470+/-0.253 χ^2/NDF: 1436060.7/39

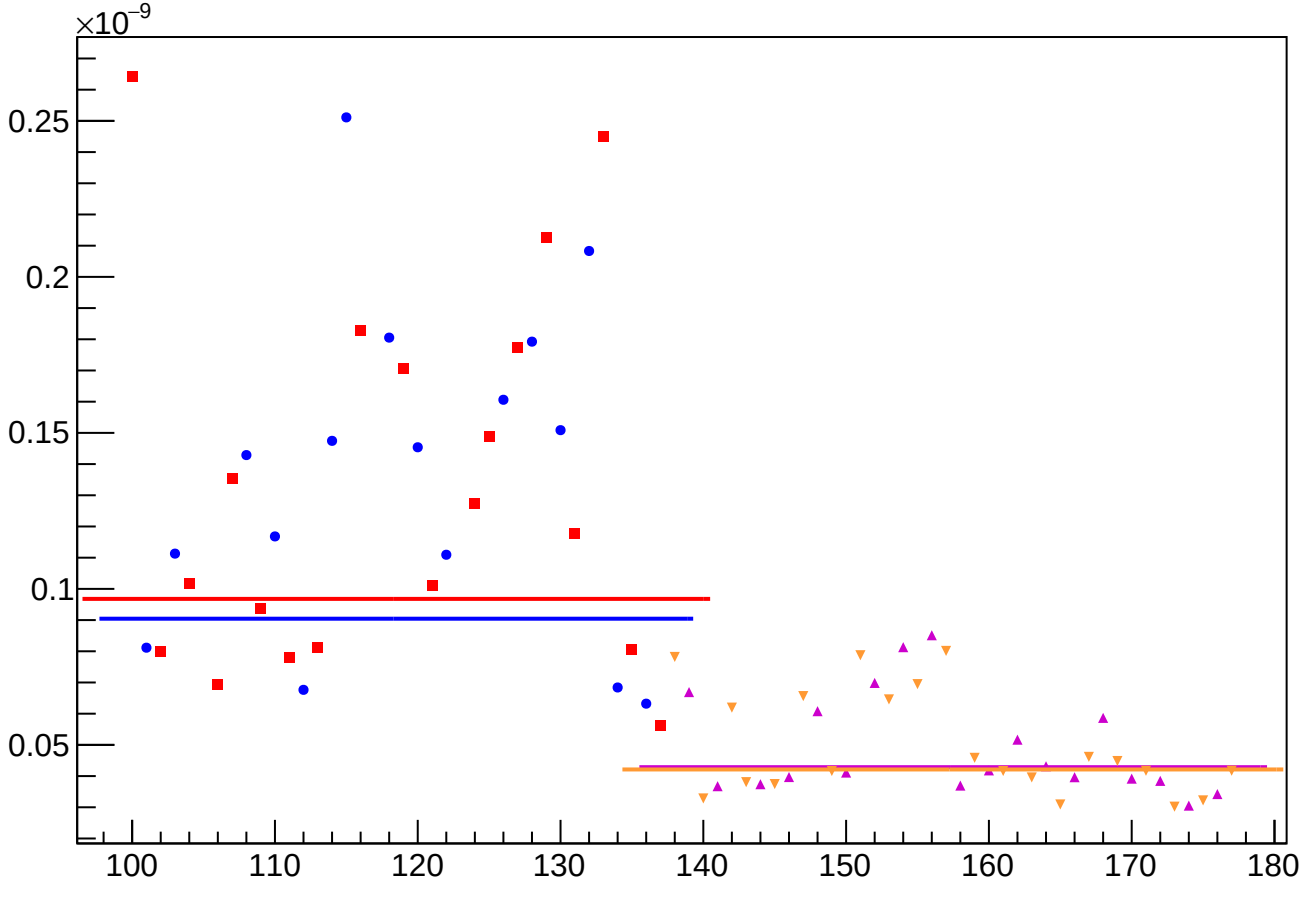
Right: 2413.296+/-0.463 χ^2/NDF: 1942755.0/34

In: 2102.255+/-0.319 χ^2/NDF:1901951.2/34

Out: 2093.973+/-0.309 χ^2/NDF:2080524.5/39

All: 2097.977+/-0.222 χ^2/NDF: 3982822.9/74


asym_sam4_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 6.1/15
Left Out: 0.000+/-0.000 χ²/NDF:23.4/20
Right Out: -0.000+/-0.000 χ²/NDF: 23.2/18
Left In: -0.000+/-0.000 χ²/NDF:10.8/18
Left: 0.000+/-0.000 χ²/NDF: 34.3/39
Right: 0.000+/-0.000 χ²/NDF: 29.9/34
In: -0.000+/-0.000 χ²/NDF:17.3/34
Out: 0.000+/-0.000 χ²/NDF:46.9/39
All: 0.000+/-0.000 χ²/NDF: 64.3/74



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1136756.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

Left In: 0.000+/-0.000 χ^2/NDF:906397.3/18

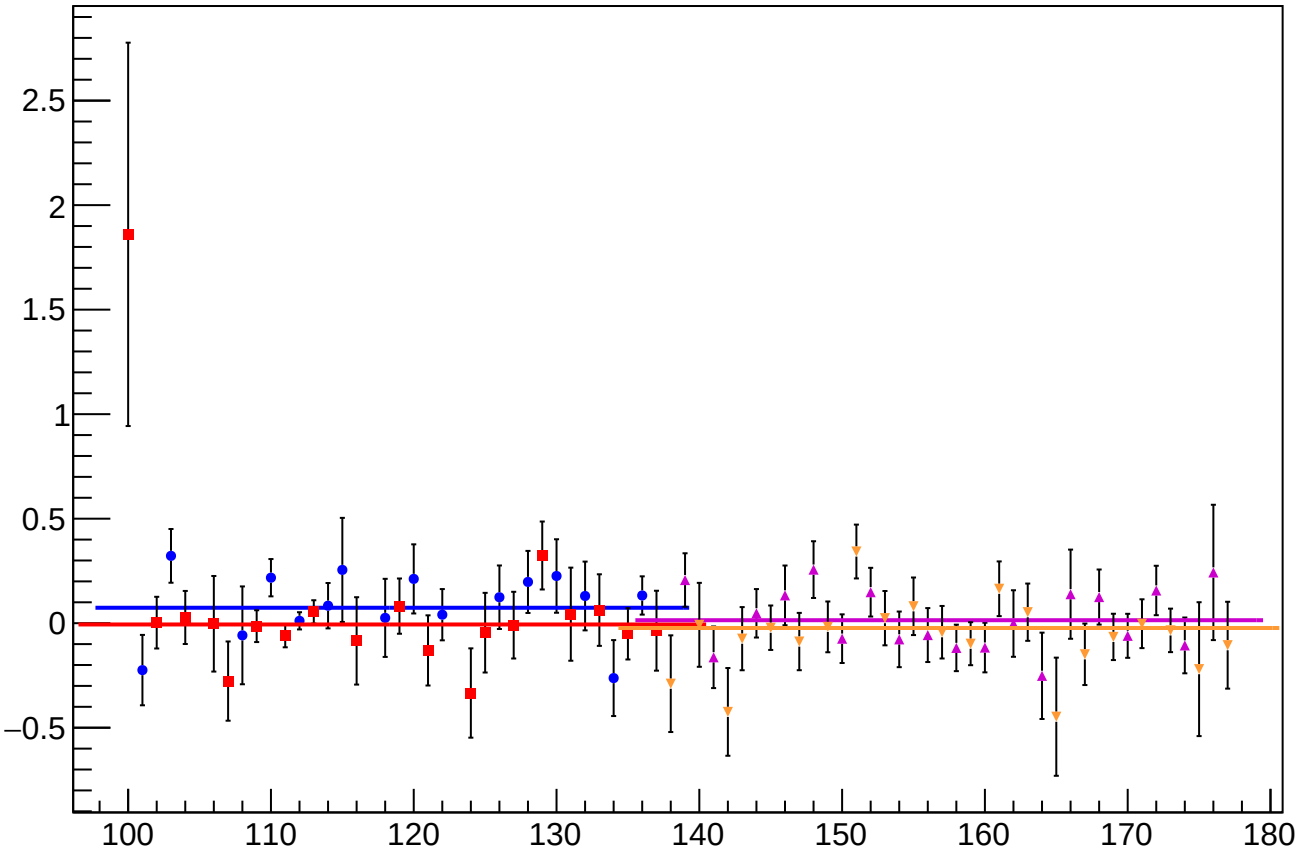
Left: 0.000+/-0.000 χ^2/NDF: 2044937.6/39

Right: 0.000+/-0.000 χ^2/NDF: 1791911.9/34

In: 0.000+/-0.000 χ^2/NDF:3300288.6/34

Out: 0.000+/-0.000 χ^2/NDF:3743131.3/39

All: 0.000+/-0.000 χ^2/NDF: 7049284.3/74



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.023+/-0.030 χ^2/NDF:20.7/20

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.014+/-0.031 χ^2/NDF:18.9/18

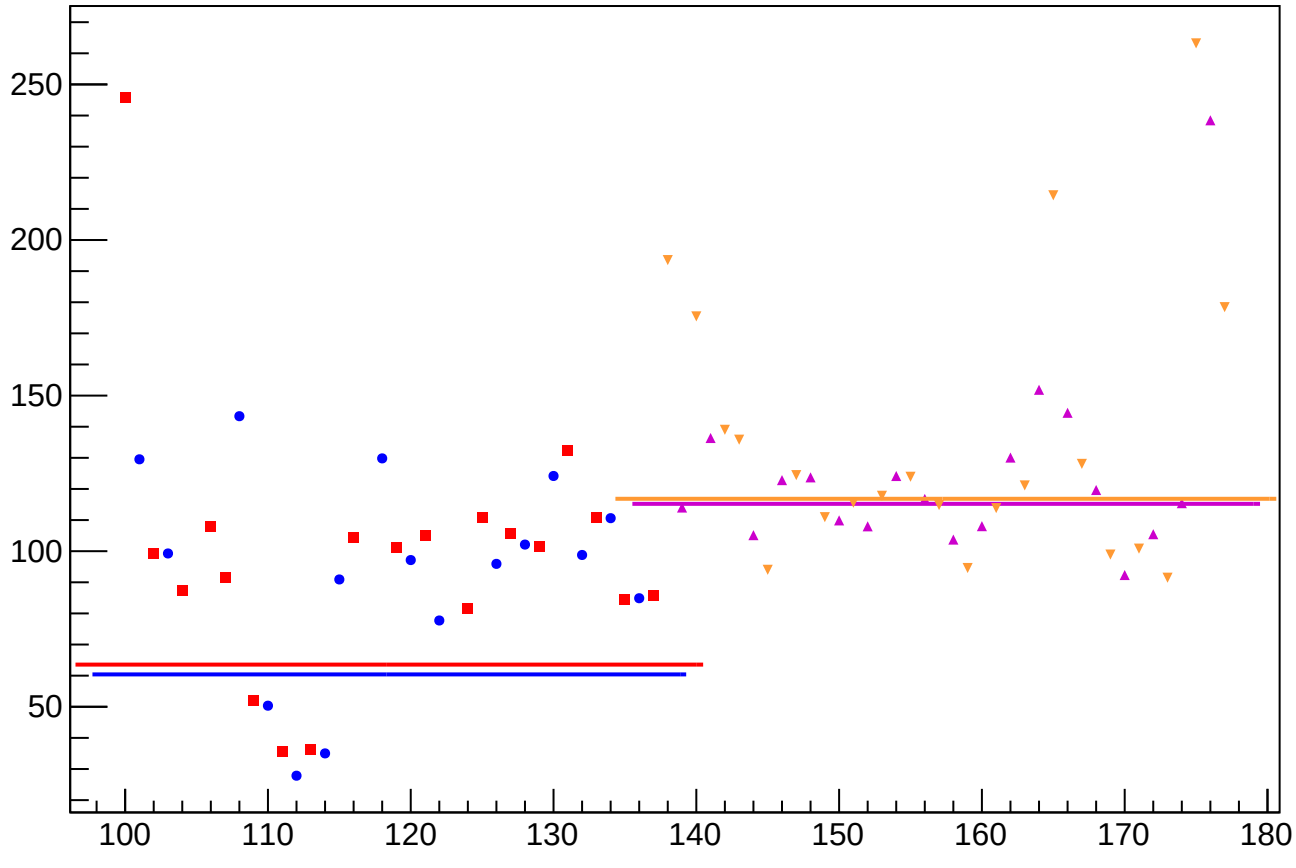
Left: -0.005+/-0.021 χ^2/NDF: 40.4/39

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.048+/-0.020 χ^2/NDF:40.1/34

Out: -0.014+/-0.020 χ^2/NDF:37.3/39

All: 0.017+/-0.014 χ^2/NDF: 82.0/74



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 116.839+/-0.021 χ^2/NDF:1702296.1/20

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 115.215+/-0.022 χ^2/NDF:638226.8/18

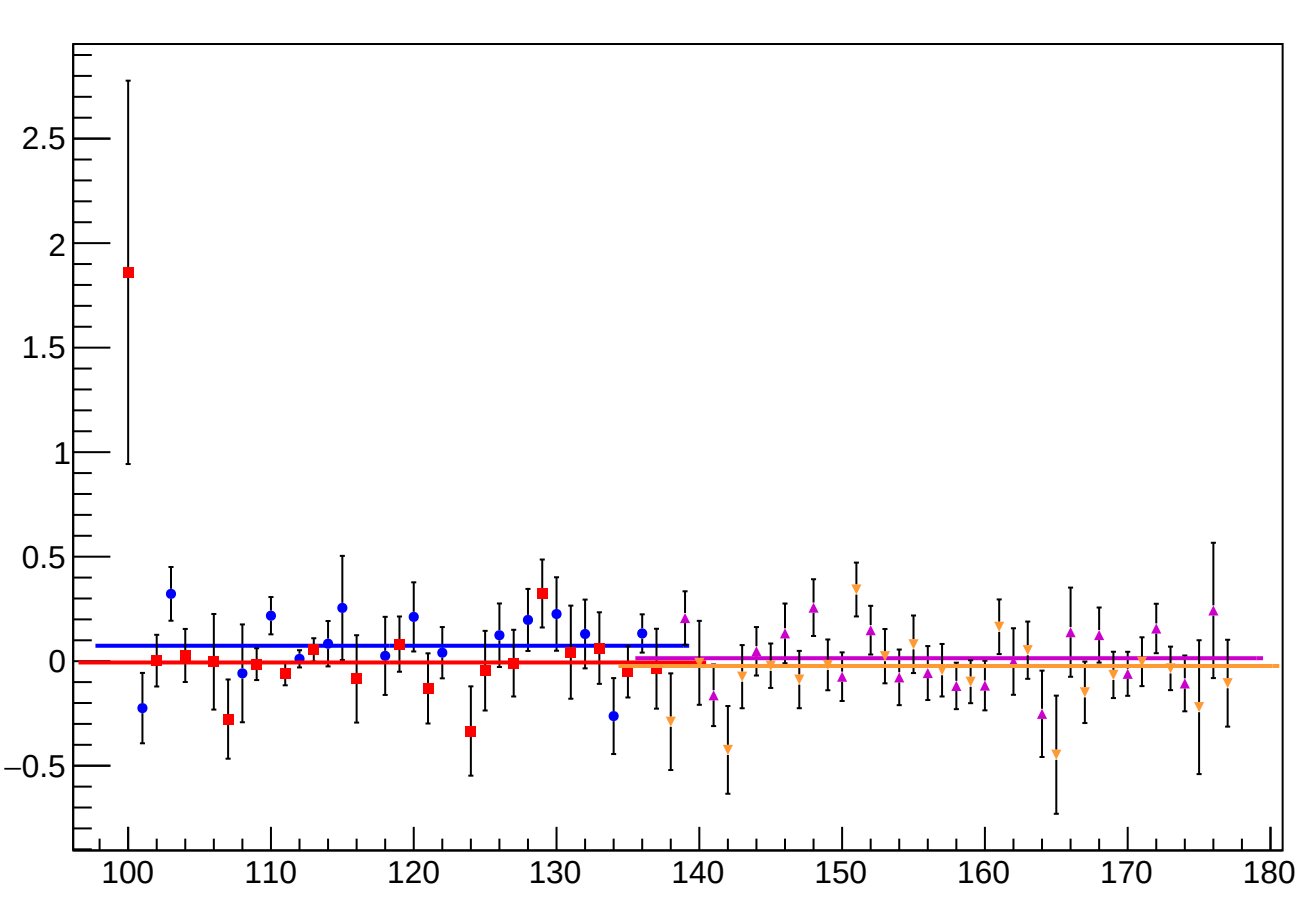
Left: 116.038+/-0.015 χ^2/NDF: 2343384.8/39

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 84.442+/-0.014 χ^2/NDF:7788460.8/34

Out: 87.106+/-0.014 χ^2/NDF:7843637.3/39

All: 85.787+/-0.010 χ^2/NDF: 15649591.7/74



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.023+/-0.030 χ^2/NDF:20.7/20

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.014+/-0.031 χ^2/NDF:18.9/18

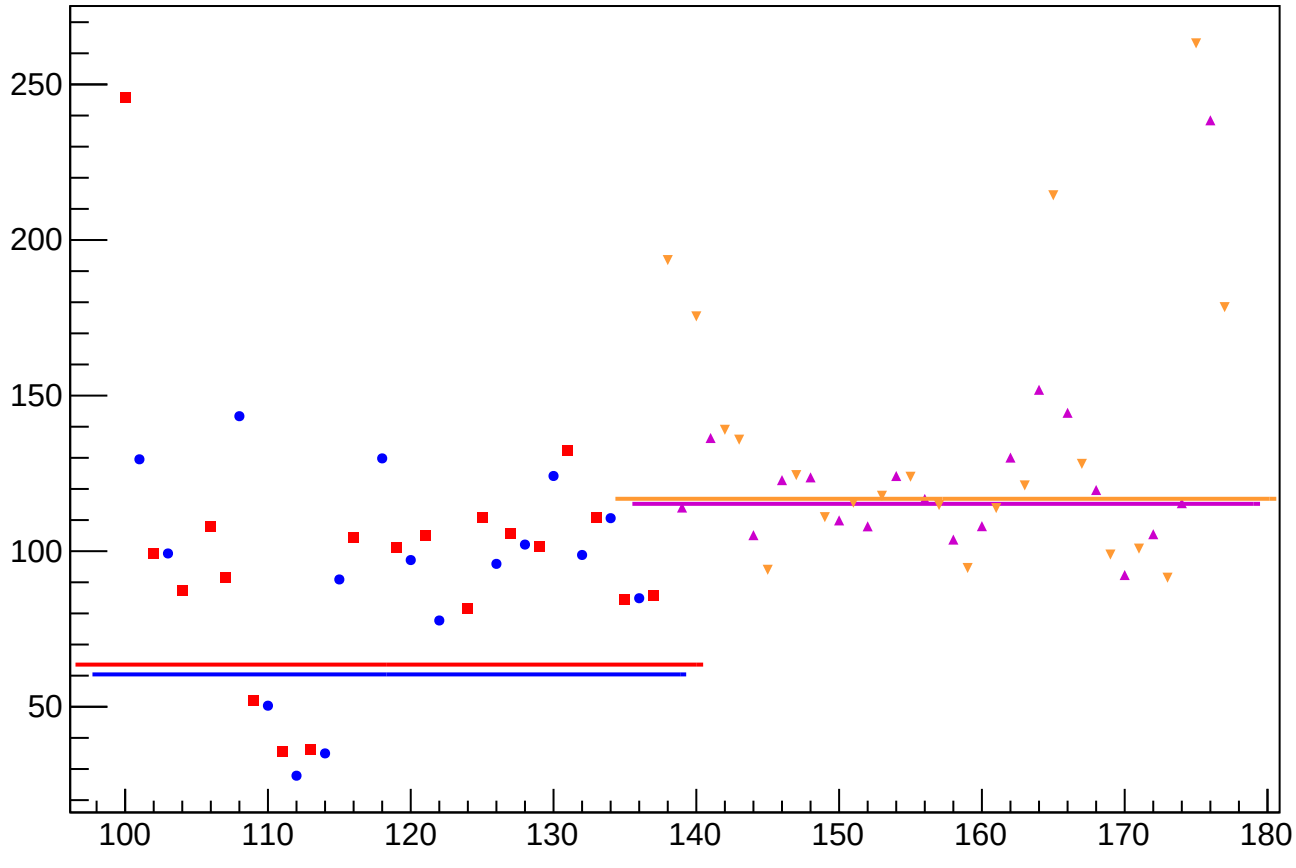
Left: -0.005+/-0.021 χ^2/NDF: 40.4/39

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.048+/-0.020 χ^2/NDF:40.1/34

Out: -0.014+/-0.020 χ^2/NDF:37.3/39

All: 0.017+/-0.014 χ^2/NDF: 82.0/74



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 116.839+/-0.021 χ^2/NDF:1702296.1/20

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 115.215+/-0.022 χ^2/NDF:638226.8/18

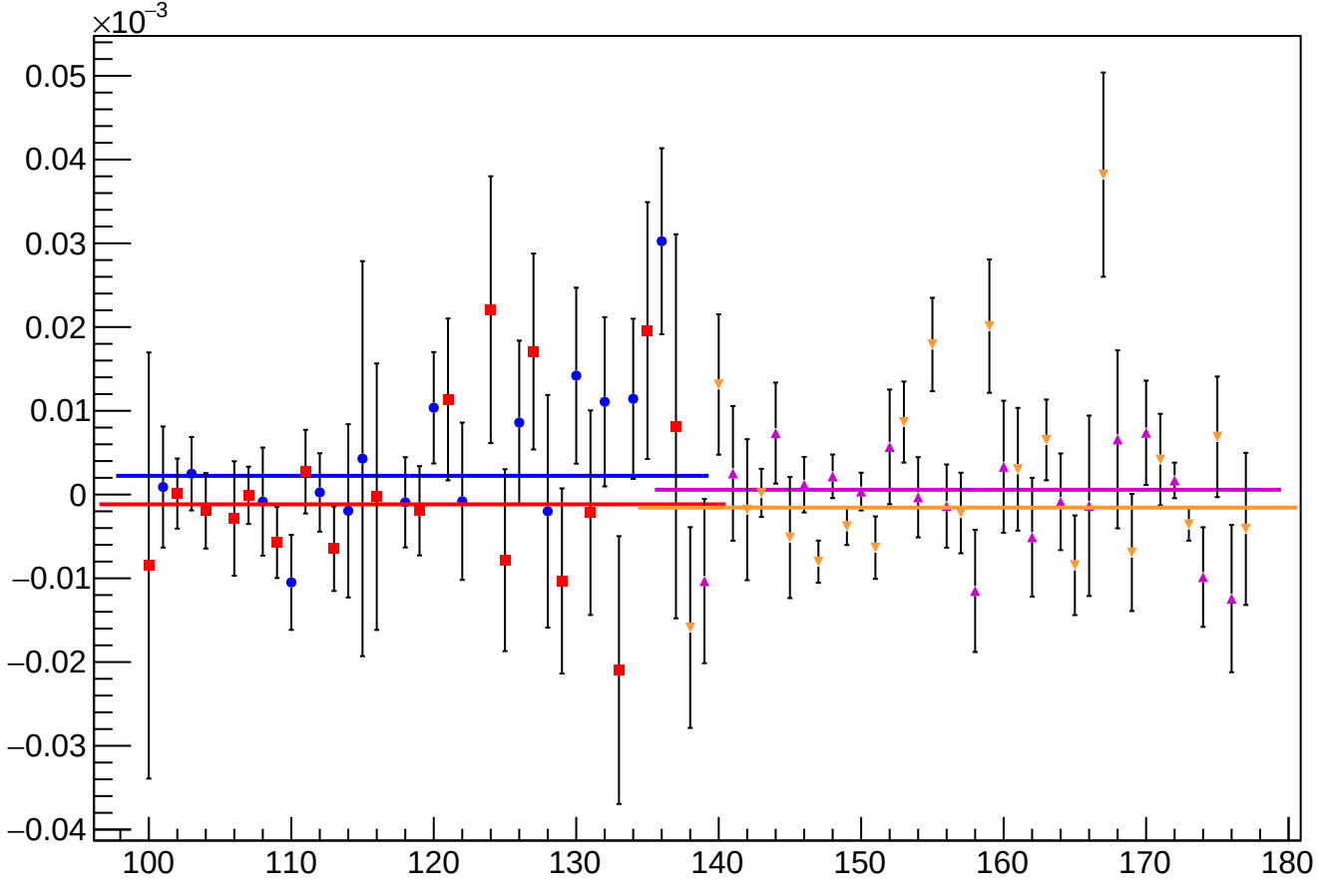
Left: 116.038+/-0.015 χ^2/NDF: 2343384.8/39

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 84.442+/-0.014 χ^2/NDF:7788460.8/34

Out: 87.106+/-0.014 χ^2/NDF:7843637.3/39

All: 85.787+/-0.010 χ^2/NDF: 15649591.7/74



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

Left Out: -0.000+/-0.000 χ^2/NDF:57.8/20

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:14.4/18

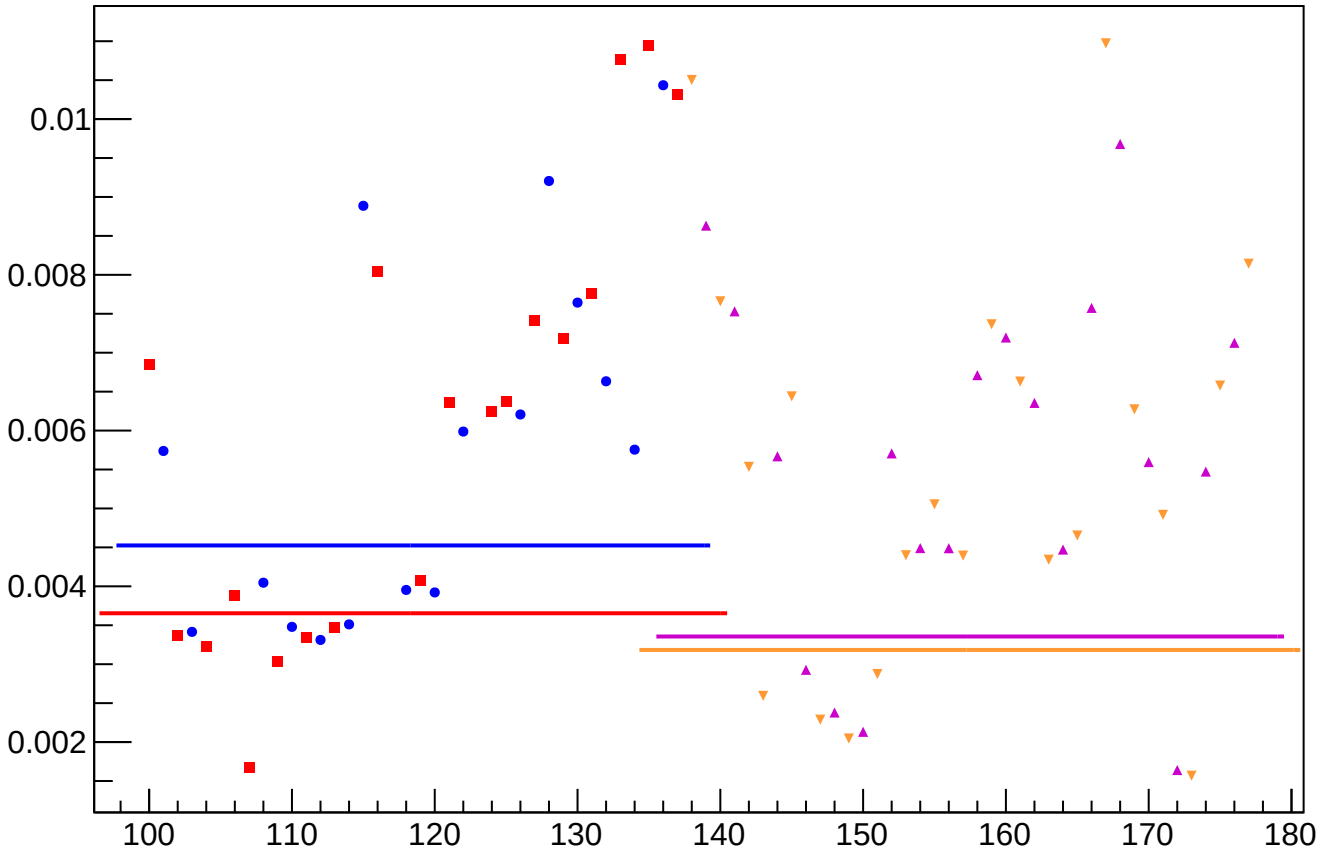
Left: -0.000+/-0.000 χ^2/NDF: 74.6/39

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:32.5/34

Out: -0.000+/-0.000 χ^2/NDF:72.0/39

All: -0.000+/-0.000 χ^2/NDF: 108.6/74



Right In: 0.005+/-0.000 χ^2/NDF: 1721333.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:8303372.8/20

Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.003+/-0.000 χ^2/NDF:7307174.1/18

Left: 0.003+/-0.000 χ^2/NDF: 15642693.6/39

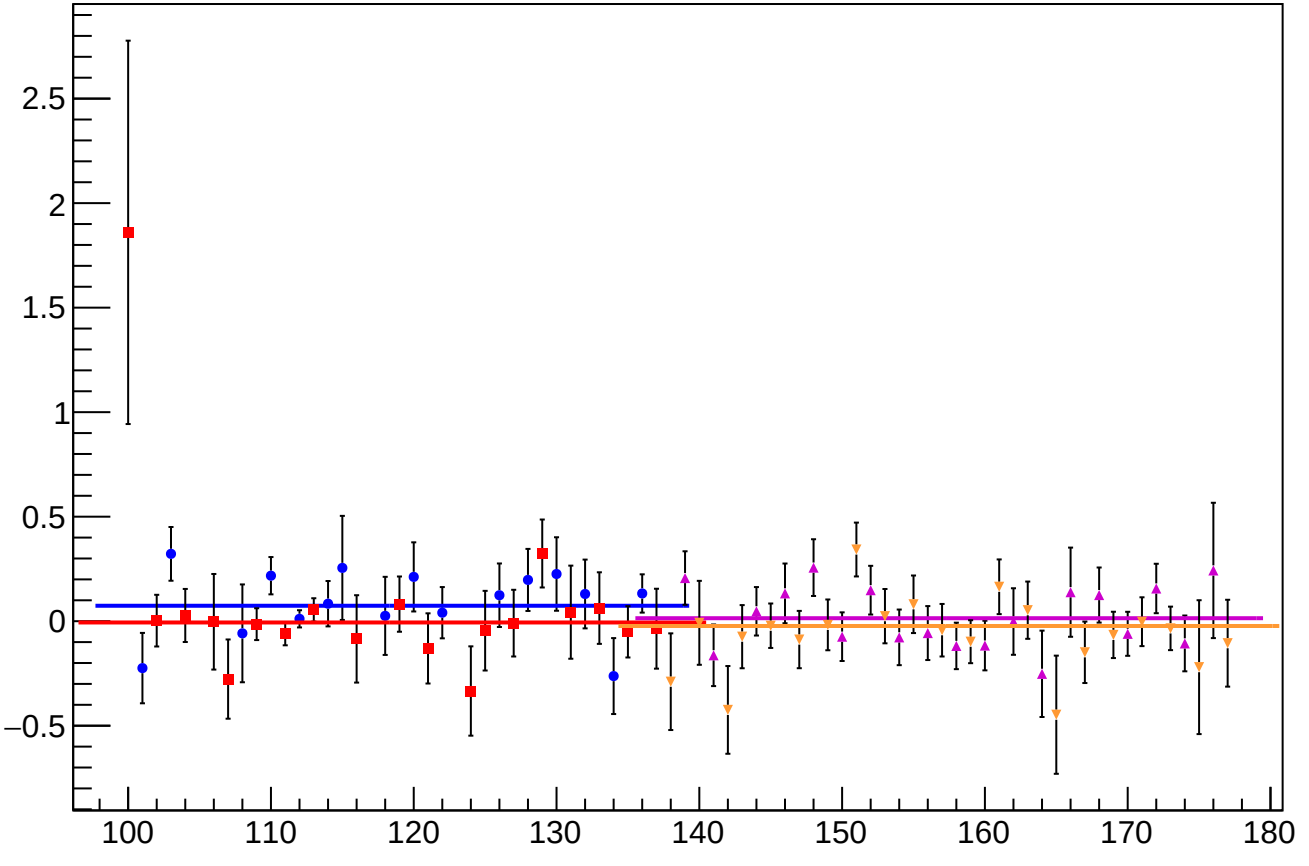
Right: 0.004+/-0.000 χ^2/NDF: 4928784.4/34

In: 0.004+/-0.000 χ^2/NDF:9665129.1/34

Out: 0.003+/-0.000 χ^2/NDF:11380142.6/39

All: 0.003+/-0.000 χ^2/NDF: 21193458.6/74

asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.023+/-0.030 χ^2/NDF:20.7/20

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.014+/-0.031 χ^2/NDF:19.0/18

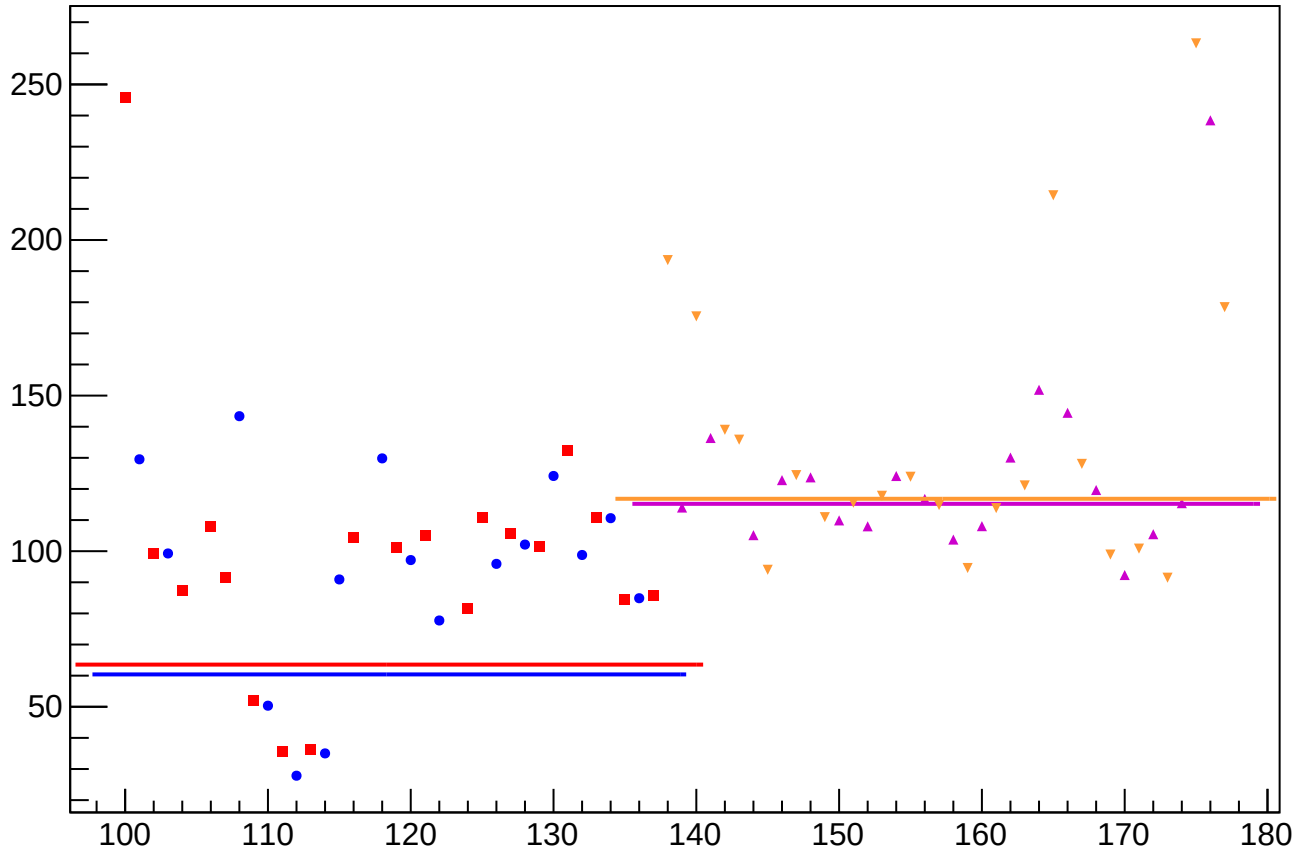
Left: -0.005+/-0.021 χ^2/NDF: 40.4/39

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.048+/-0.020 χ^2/NDF:40.1/34

Out: -0.014+/-0.020 χ^2/NDF:37.3/39

All: 0.017+/-0.014 χ^2/NDF: 82.0/74



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 116.840+/-0.021 χ^2/NDF:1702243.6/20

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 115.216+/-0.022 χ^2/NDF:638209.6/18

Left: 116.039+/-0.015 χ^2/NDF: 2343315.2/39

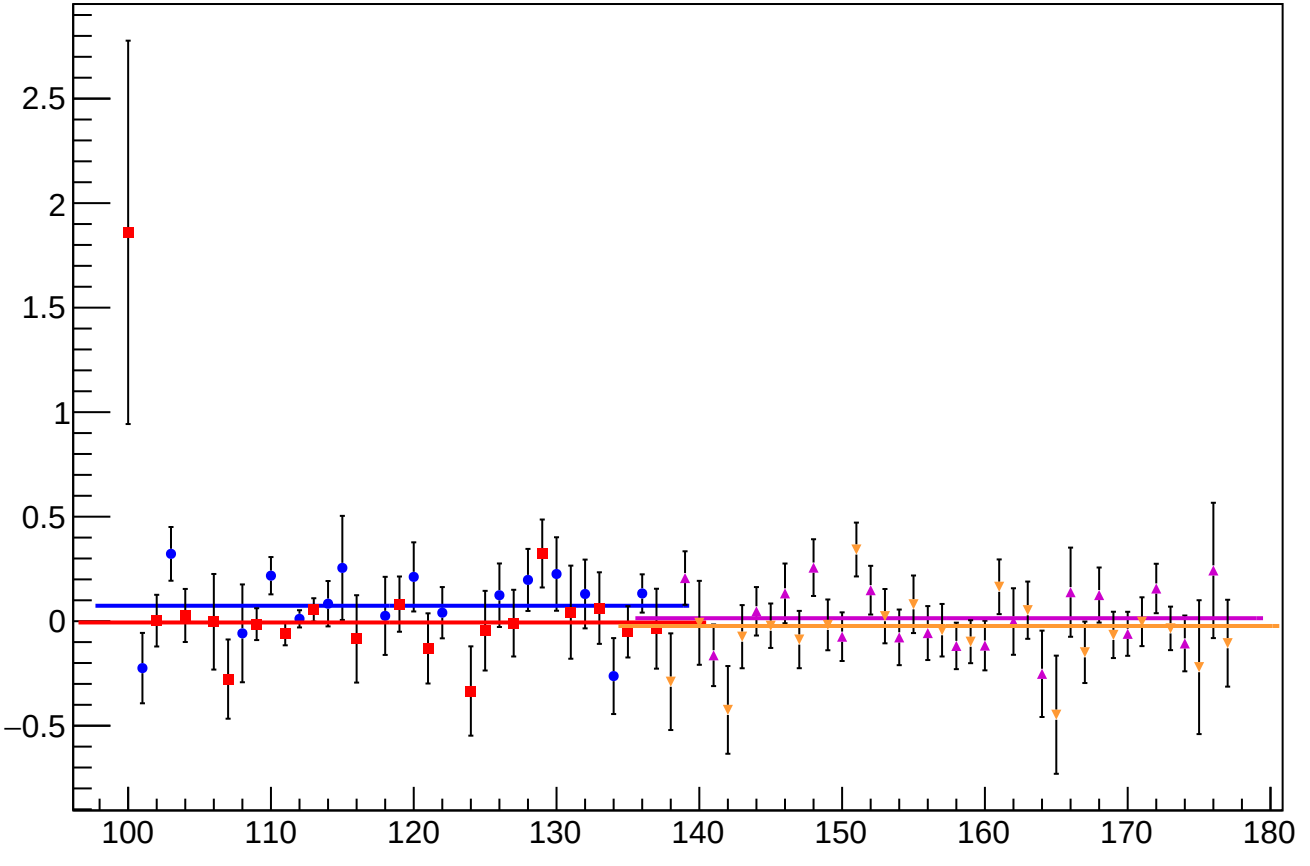
Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 84.440+/-0.014 χ^2/NDF:7789134.4/34

Out: 87.105+/-0.014 χ^2/NDF:7844240.3/39

All: 85.786+/-0.010 χ^2/NDF: 15650872.9/74

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.023+/-0.030 χ^2/NDF:20.7/20

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.014+/-0.031 χ^2/NDF:19.0/18

Left: -0.005+/-0.021 χ^2/NDF: 40.4/39

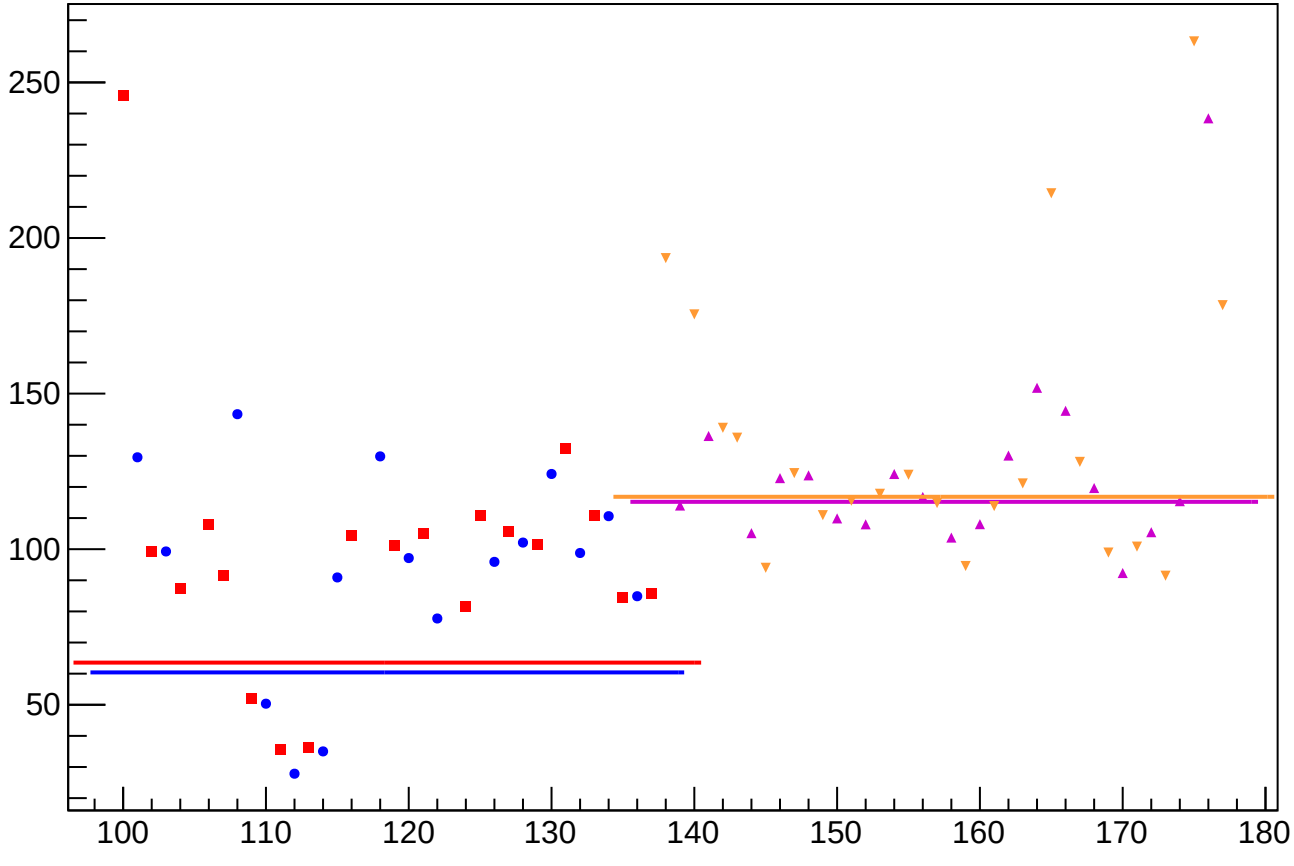
Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.048+/-0.020 χ^2/NDF:40.1/34

Out: -0.014+/-0.020 χ^2/NDF:37.3/39

All: 0.017+/-0.014 χ^2/NDF: 82.0/74

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: 116.840+/-0.021 χ^2/NDF:1702243.6/20

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 115.216+/-0.022 χ^2/NDF:638209.6/18

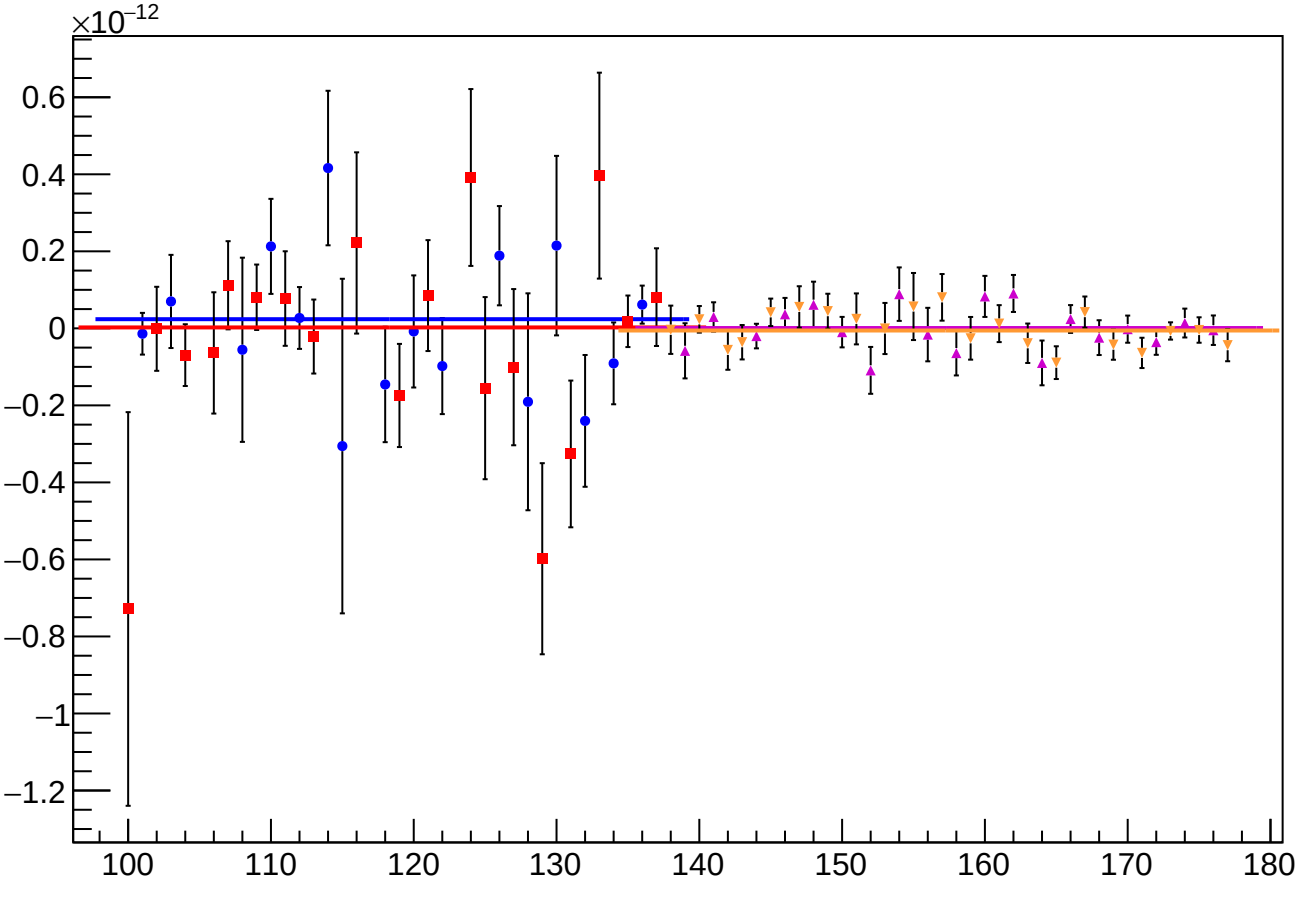
Left: 116.039+/-0.015 χ^2/NDF: 2343315.2/39

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 84.440+/-0.014 χ^2/NDF:7789134.4/34

Out: 87.105+/-0.014 χ^2/NDF:7844240.3/39

All: 85.786+/-0.010 χ^2/NDF: 15650872.9/74



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/20

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:20.0/18

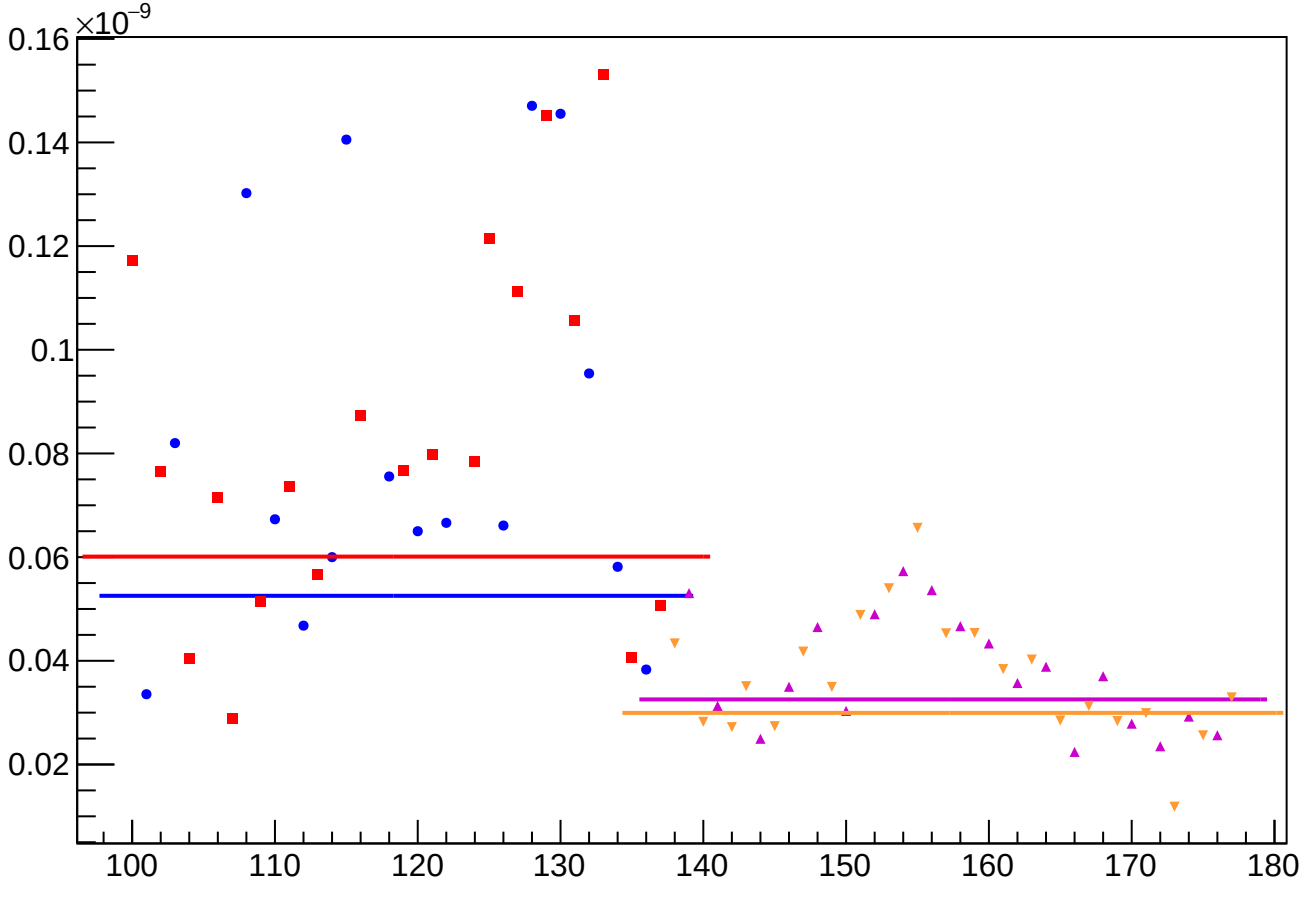
Left: -0.000+/-0.000 χ^2/NDF: 39.3/39

Right: 0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:37.5/34

Out: -0.000+/-0.000 χ^2/NDF:42.3/39

All: -0.000+/-0.000 χ^2/NDF: 80.2/74



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2799955.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1659913.2/18

Left: 0.000+/-0.000 χ^2/NDF: 4531214.0/39

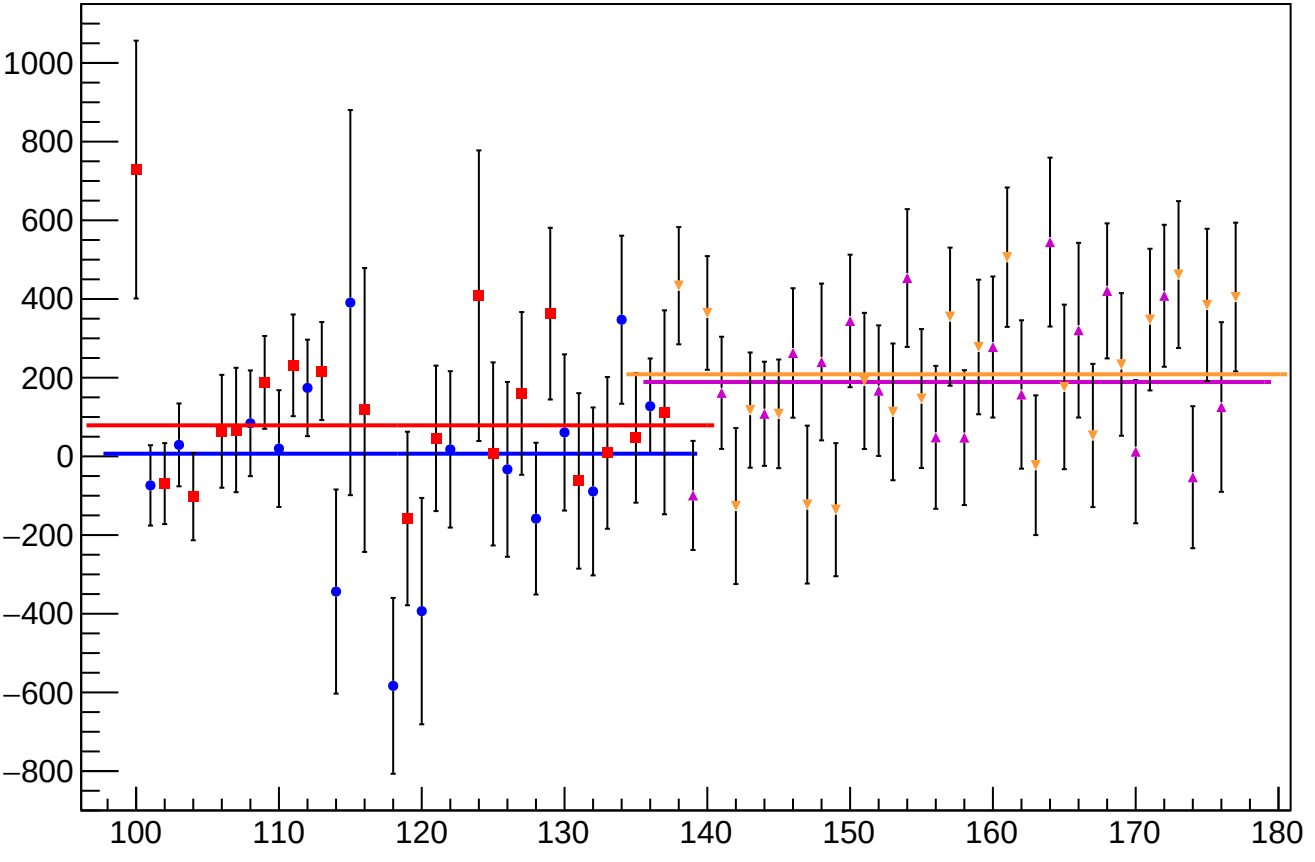
Right: 0.000+/-0.000 χ^2/NDF: 3263531.1/34

In: 0.000+/-0.000 χ^2/NDF:4322231.1/34

Out: 0.000+/-0.000 χ^2/NDF:6314404.5/39

All: 0.000+/-0.000 χ^2/NDF: 10702497.2/74

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 208.663+/-37.696 χ^2/NDF:25.0/20

Right Out: 78.883+/-37.906 χ^2/NDF: 16.7/18

Left In: 188.988+/-39.618 χ^2/NDF:18.9/18

Left: 199.314+/-27.309 χ^2/NDF: 44.1/39

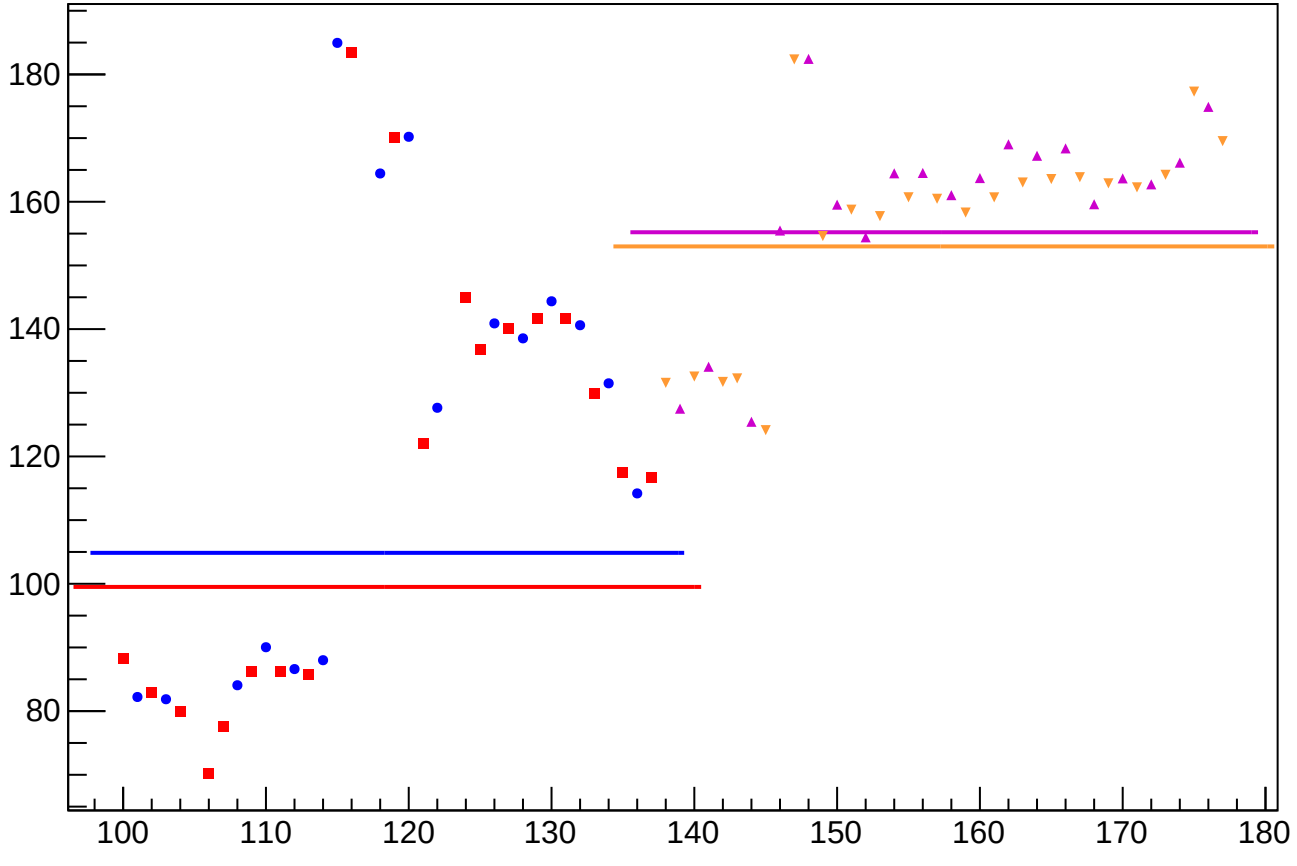
Right: 45.098+/-27.628 χ^2/NDF: 37.2/34

In: 99.574+/-28.270 χ^2/NDF:48.1/34

Out: 144.133+/-26.729 χ^2/NDF:47.6/39

All: 123.101+/-19.422 χ^2/NDF: 97.0/74

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 152.986+/-0.027 χ^2/NDF:375810.4/20

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

Left In: 155.212+/-0.028 χ^2/NDF:338445.8/18

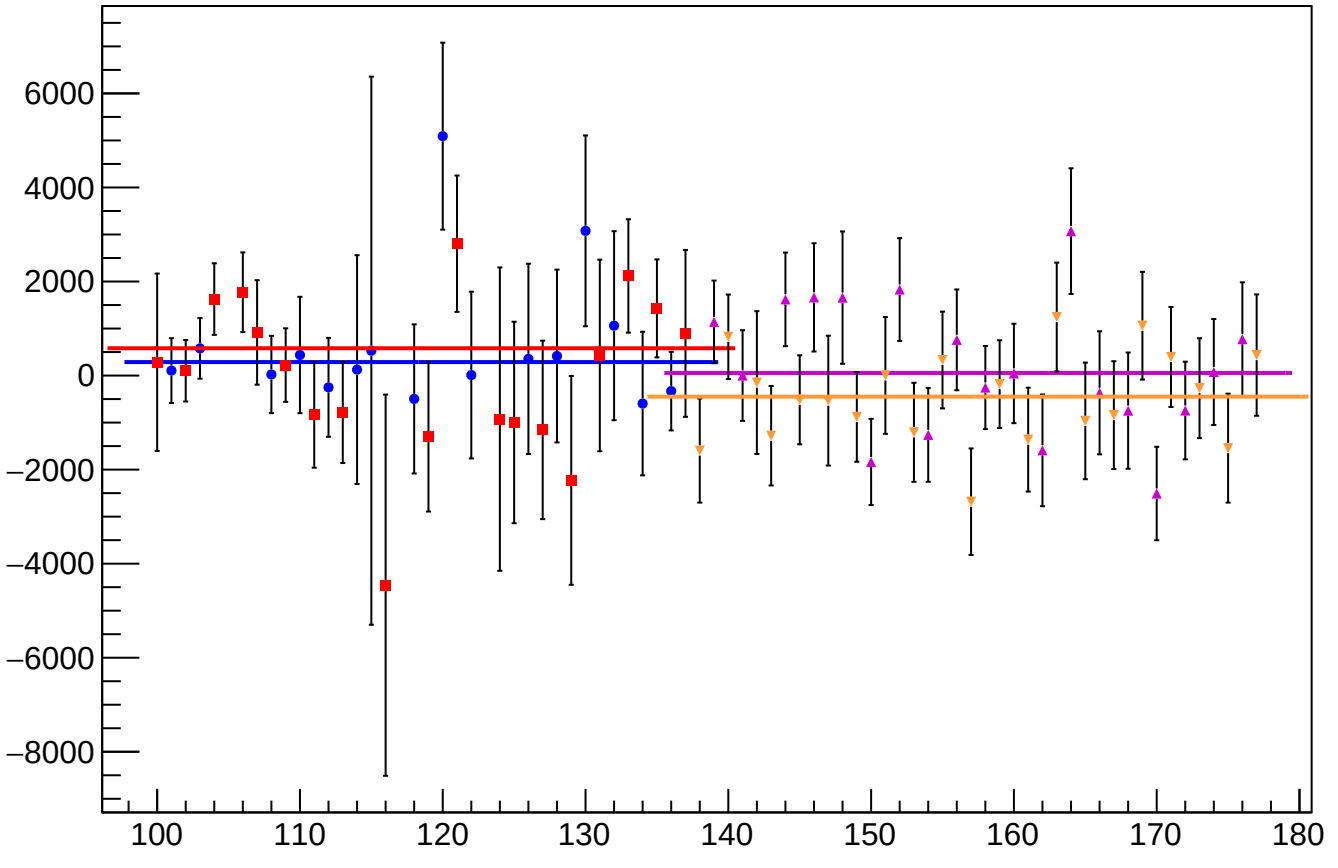
Left: 154.044+/-0.019 χ^2/NDF: 717570.9/39

Right: 102.017+/-0.020 χ^2/NDF: 1988955.2/34

In: 130.499+/-0.020 χ^2/NDF:2855318.9/34

Out: 126.395+/-0.019 χ^2/NDF:3416317.8/39

All: 128.332+/-0.014 χ^2/NDF: 6293886.5/74



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -448.397+/-239.689 χ^2/NDF:16.0/20

Right Out: 581.217+/-269.775 χ^2/NDF: 18.8/18

Left In: 55.080+/-245.138 χ^2/NDF:31.6/18

Left: -202.316+/-171.380 χ^2/NDF: 49.8/39

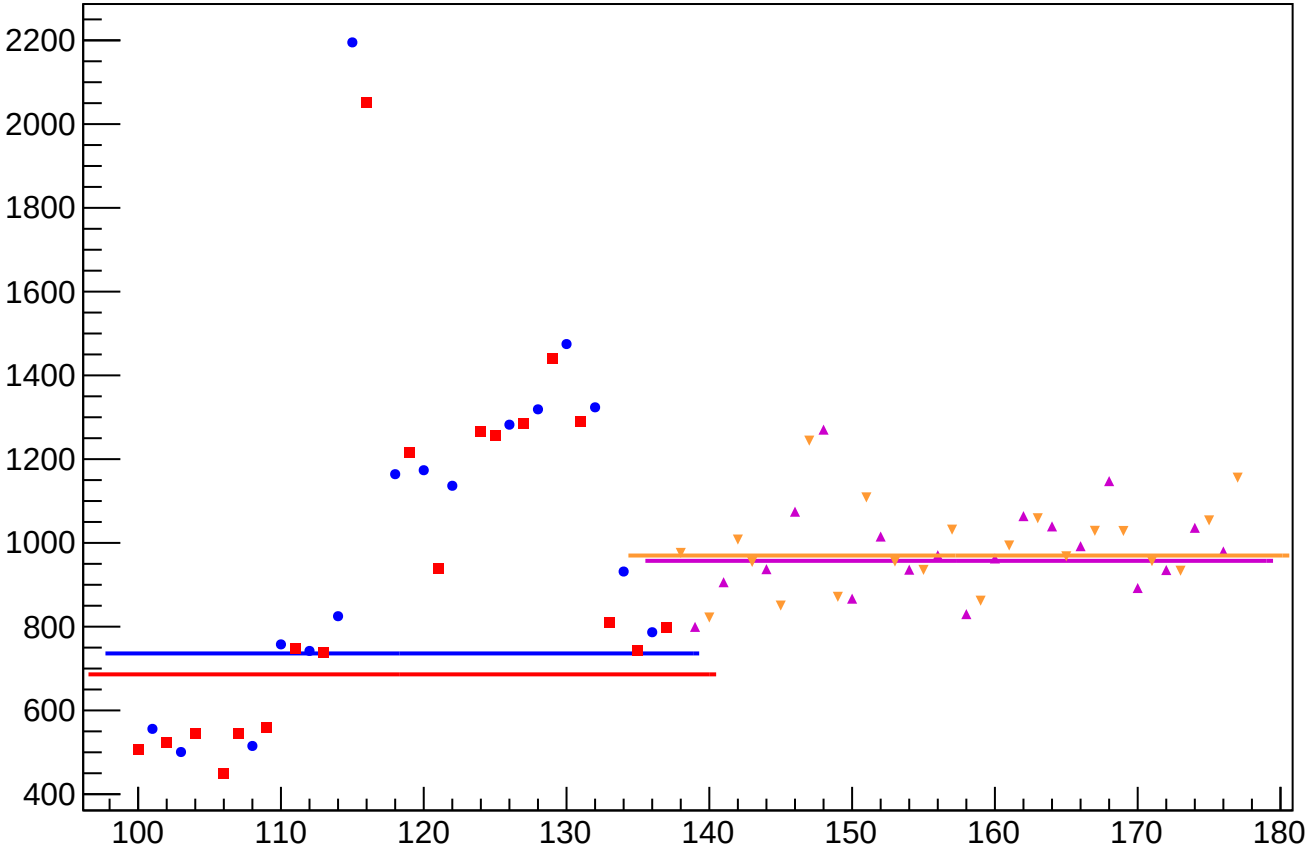
Right: 446.427+/-198.610 χ^2/NDF: 29.0/34

In: 150.359+/-188.138 χ^2/NDF:41.6/34

Out: 5.818+/-179.182 χ^2/NDF:42.9/39

All: 74.566+/-129.752 χ^2/NDF: 84.9/74

asym_sam5_reg_correction_rms vs Slug, Sign Corrected



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 969.861+/-0.169 χ^2/NDF:326493.7/20

Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 957.157+/-0.173 χ^2/NDF:351056.9/18

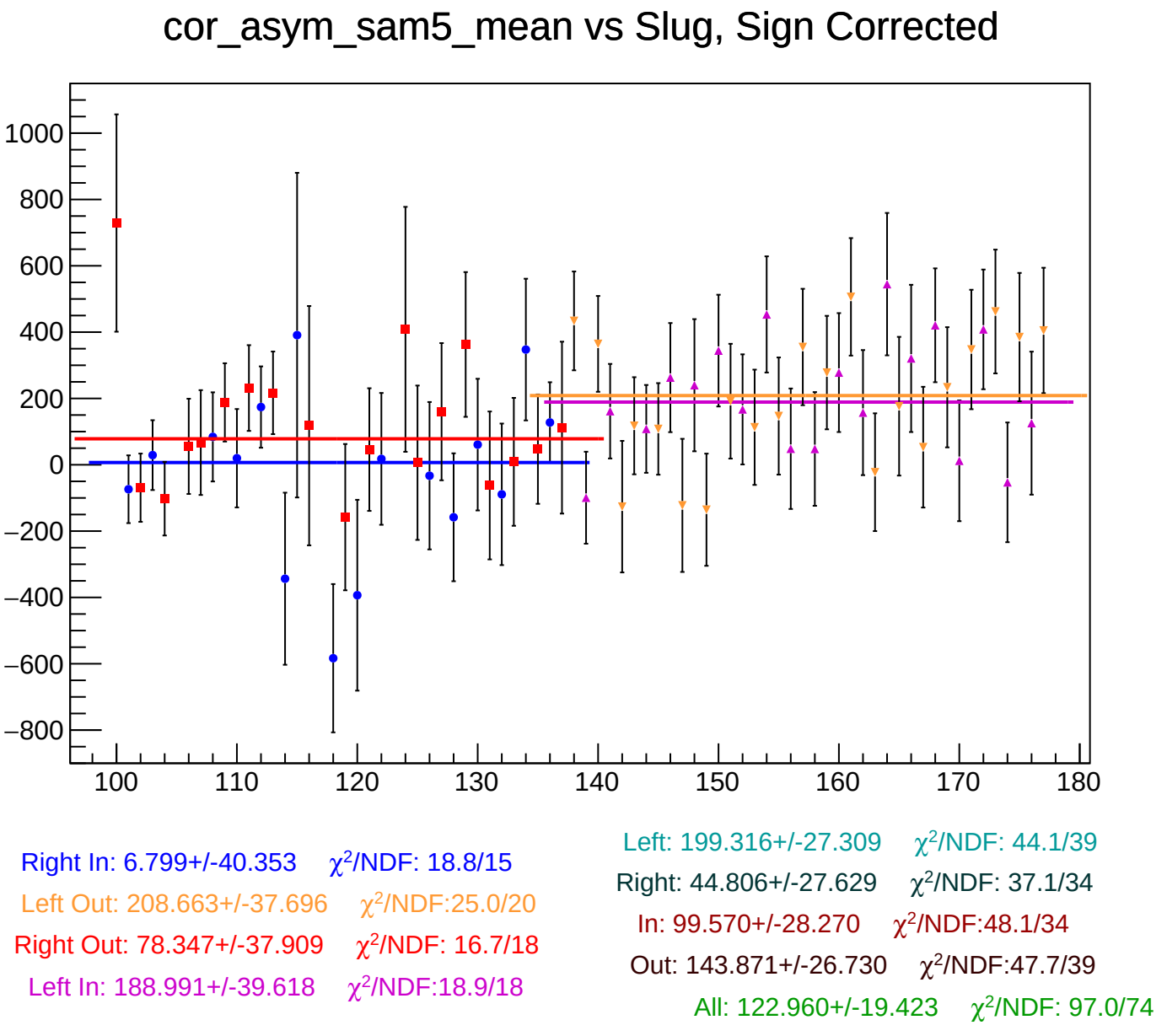
Left: 963.652+/-0.121 χ^2/NDF: 680296.8/39

Right: 708.997+/-0.140 χ^2/NDF: 3695106.9/34

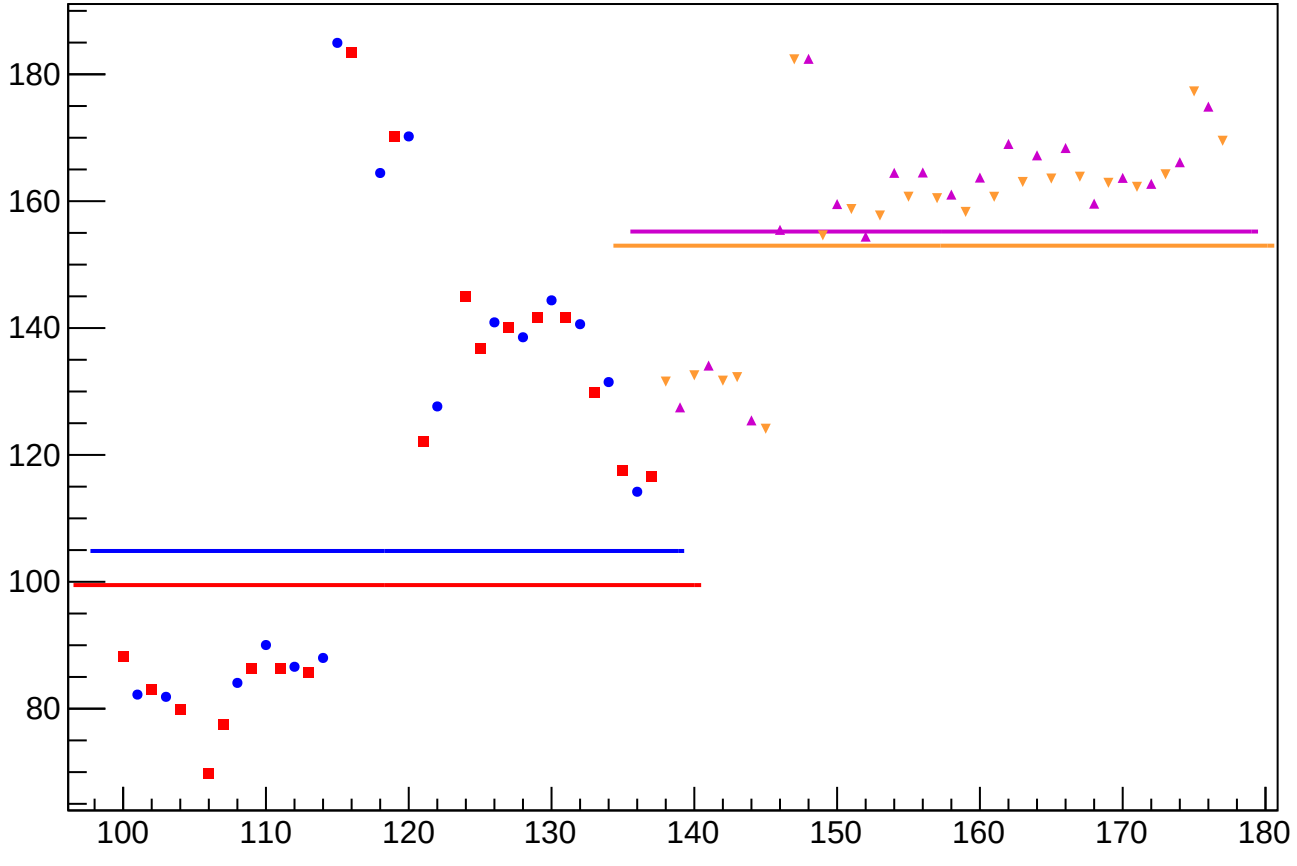
In: 866.301+/-0.133 χ^2/NDF:2864044.9/34

Out: 844.683+/-0.127 χ^2/NDF:3382192.3/39

All: 854.966+/-0.092 χ^2/NDF: 6260083.8/74


cor_asym_sam5_mean vs Slug, Sign Corrected
1000
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
170
180
Right In: 6.799+/-40.353 χ²/NDF: 18.8/15
Left Out: 208.663+/-37.696 χ²/NDF:25.0/20
Right Out: 78.347+/-37.909 χ²/NDF: 16.7/18
Left In: 188.991+/-39.618 χ²/NDF:18.9/18
Left: 199.316+/-27.309 χ²/NDF: 44.1/39
Right: 44.806+/-27.629 χ²/NDF: 37.1/34
In: 99.570+/-28.270 χ²/NDF:48.1/34
Out: 143.871+/-26.730 χ²/NDF:47.7/39
All: 122.960+/-19.423 χ²/NDF: 97.0/74

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 152.986+/-0.027 χ^2/NDF:375810.4/20

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 155.212+/-0.028 χ^2/NDF:338445.9/18

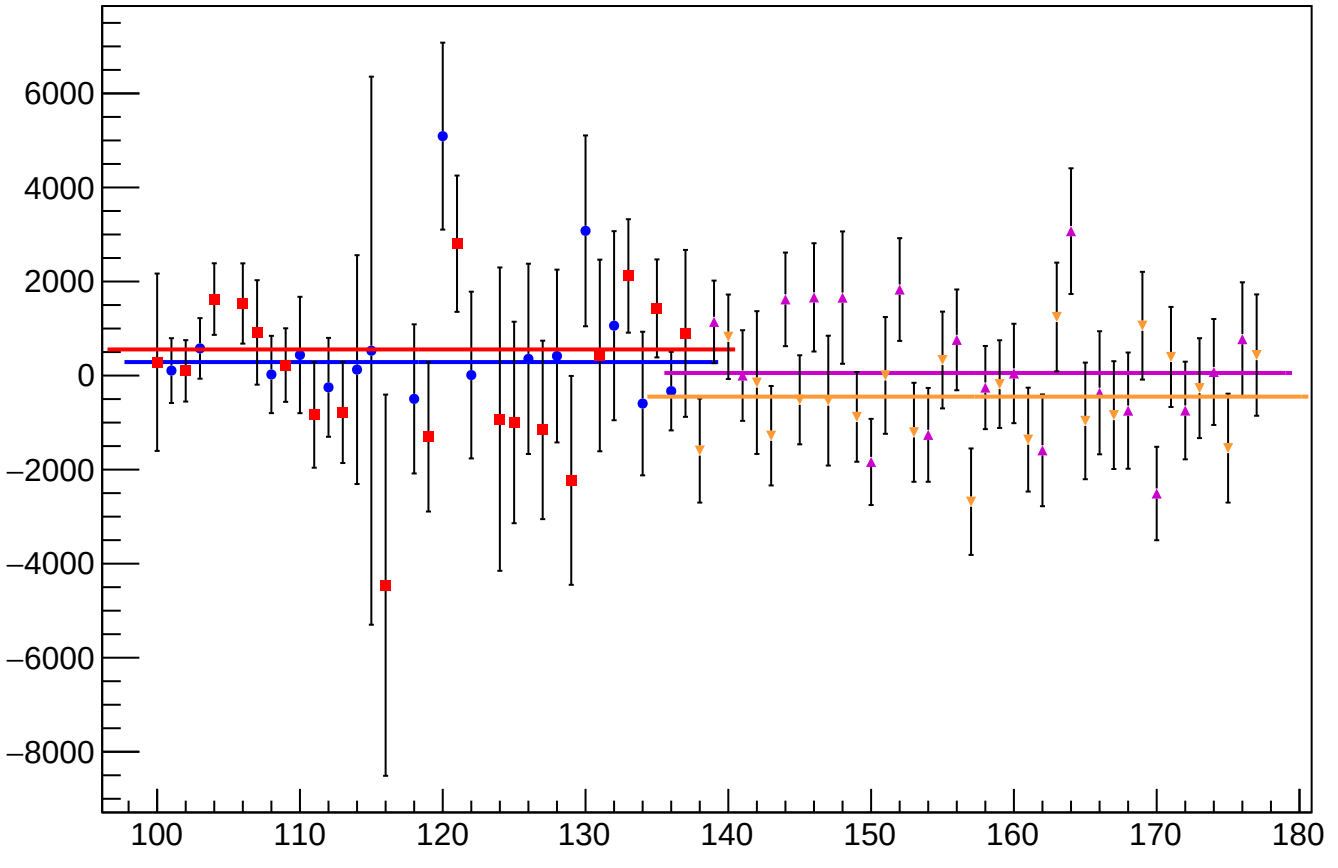
Left: 154.044+/-0.019 χ^2/NDF: 717570.9/39

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 130.499+/-0.020 χ^2/NDF:2855317.1/34

Out: 126.385+/-0.019 χ^2/NDF:3420150.5/39

All: 128.327+/-0.014 χ^2/NDF: 6297825.3/74



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -448.393+/-239.689 χ^2/NDF:16.0/20

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 55.081+/-245.138 χ^2/NDF:31.6/18

Left: -202.313+/-171.380 χ^2/NDF: 49.8/39

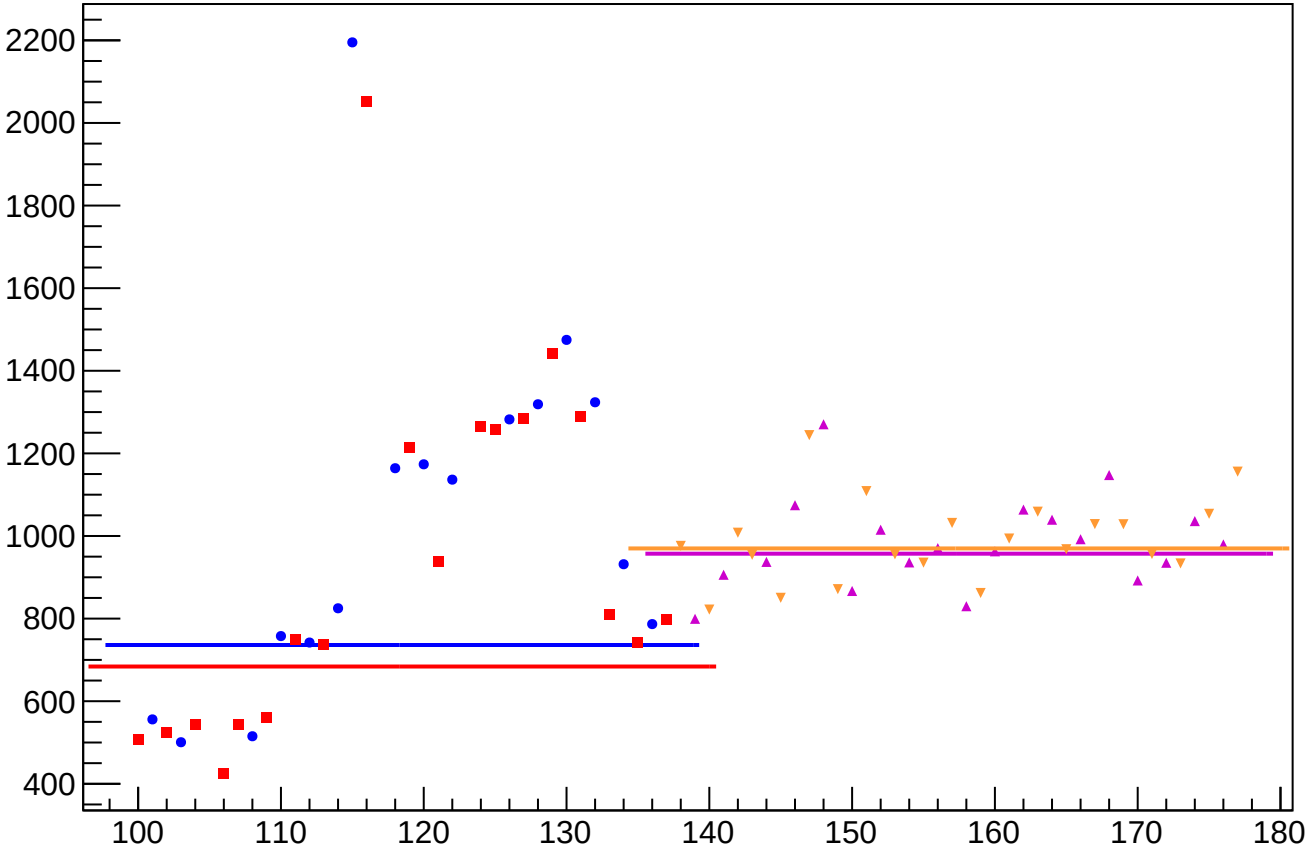
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 150.360+/-188.138 χ^2/NDF:41.6/34

Out: -5.880+/-179.235 χ^2/NDF:41.8/39

All: 68.456+/-129.771 χ^2/NDF: 83.8/74

asym_sam5_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 969.862+/-0.169 χ^2/NDF:326491.9/20

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 957.157+/-0.173 χ^2/NDF:351059.0/18

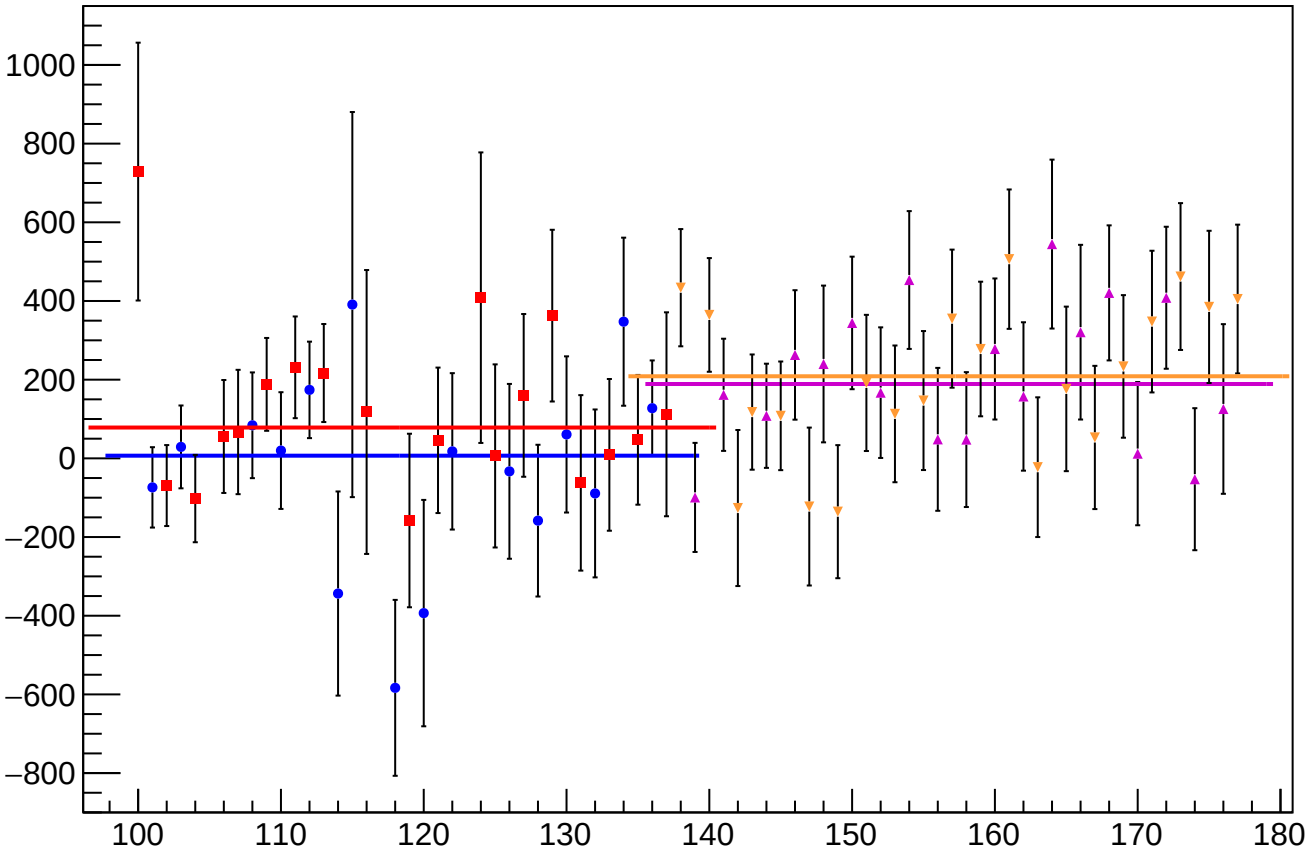
Left: 963.652+/-0.121 χ^2/NDF: 680297.3/39

Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 866.301+/-0.133 χ^2/NDF:2864052.5/34

Out: 843.838+/-0.127 χ^2/NDF:3431105.5/39

All: 854.525+/-0.092 χ^2/NDF: 6310104.0/74



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 208.663+/-37.696 χ^2/NDF:25.0/20

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 188.991+/-39.618 χ^2/NDF:18.9/18

Left: 199.316+/-27.309 χ^2/NDF: 44.1/39

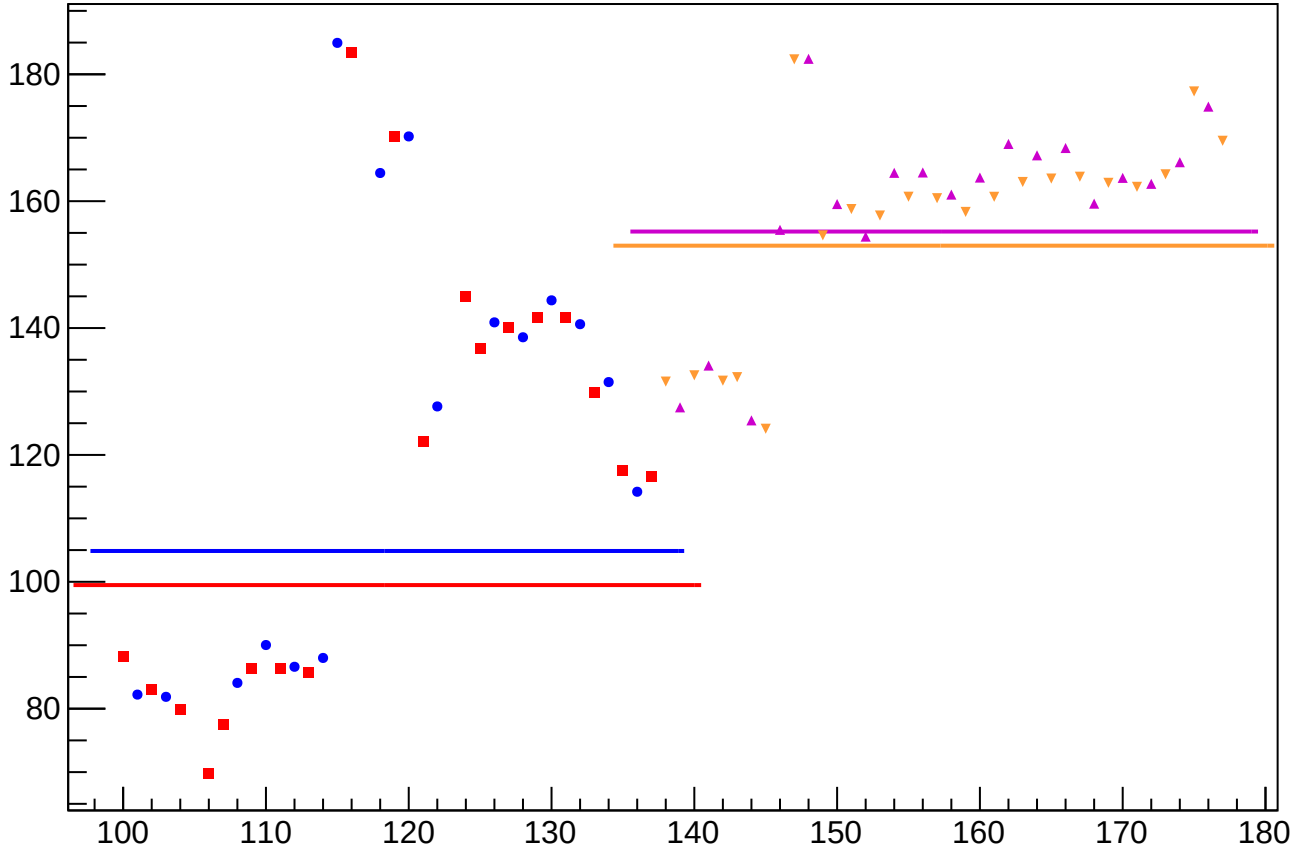
Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 99.570+/-28.270 χ^2/NDF:48.1/34

Out: 143.871+/-26.730 χ^2/NDF:47.7/39

All: 122.960+/-19.423 χ^2/NDF: 97.0/74

eigen_cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 152.986+/-0.027 χ^2/NDF:375810.4/20

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 155.212+/-0.028 χ^2/NDF:338445.9/18

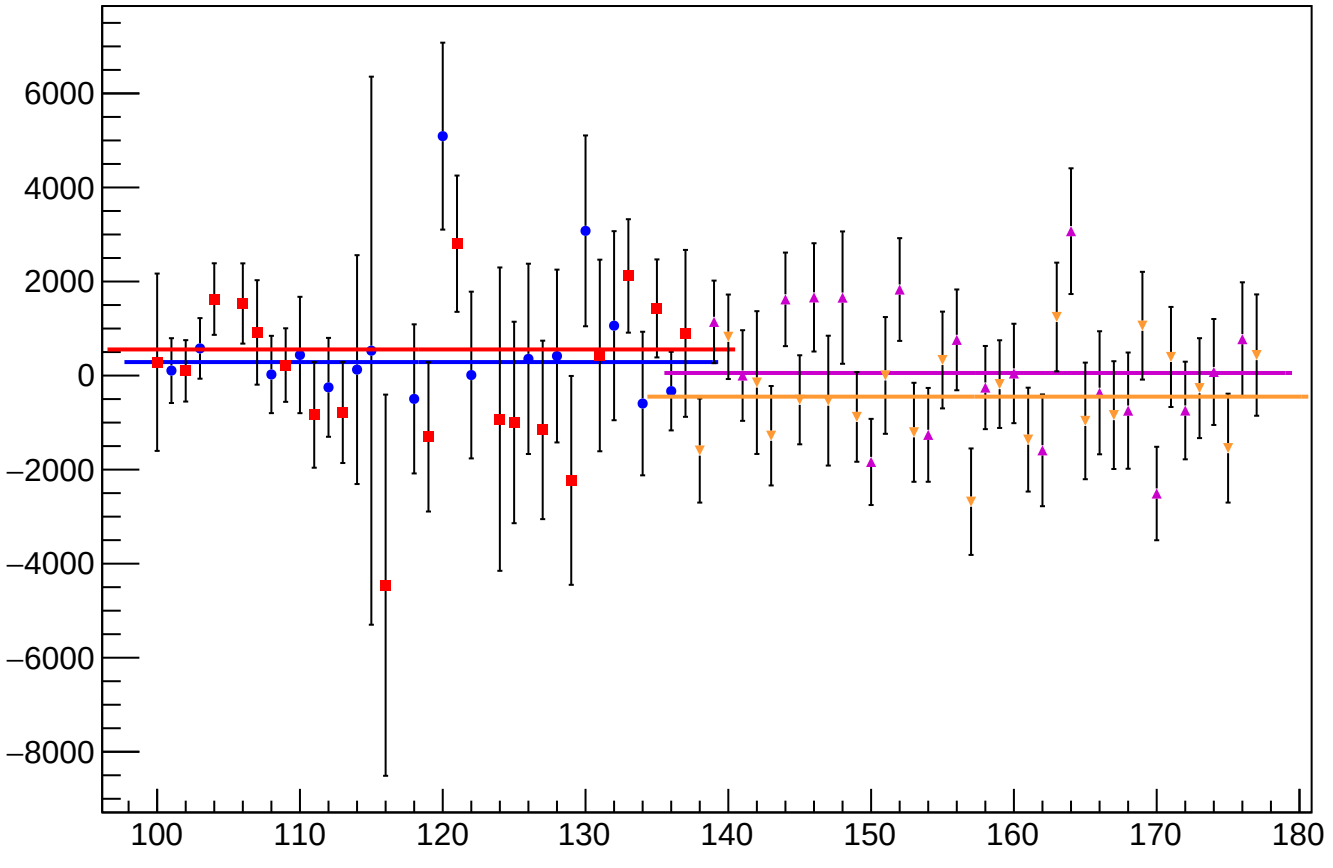
Left: 154.044+/-0.019 χ^2/NDF: 717570.9/39

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 130.499+/-0.020 χ^2/NDF:2855317.1/34

Out: 126.385+/-0.019 χ^2/NDF:3420150.5/39

All: 128.327+/-0.014 χ^2/NDF: 6297825.3/74



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -448.393+/-239.689 χ^2/NDF:16.0/20

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 55.081+/-245.138 χ^2/NDF:31.6/18

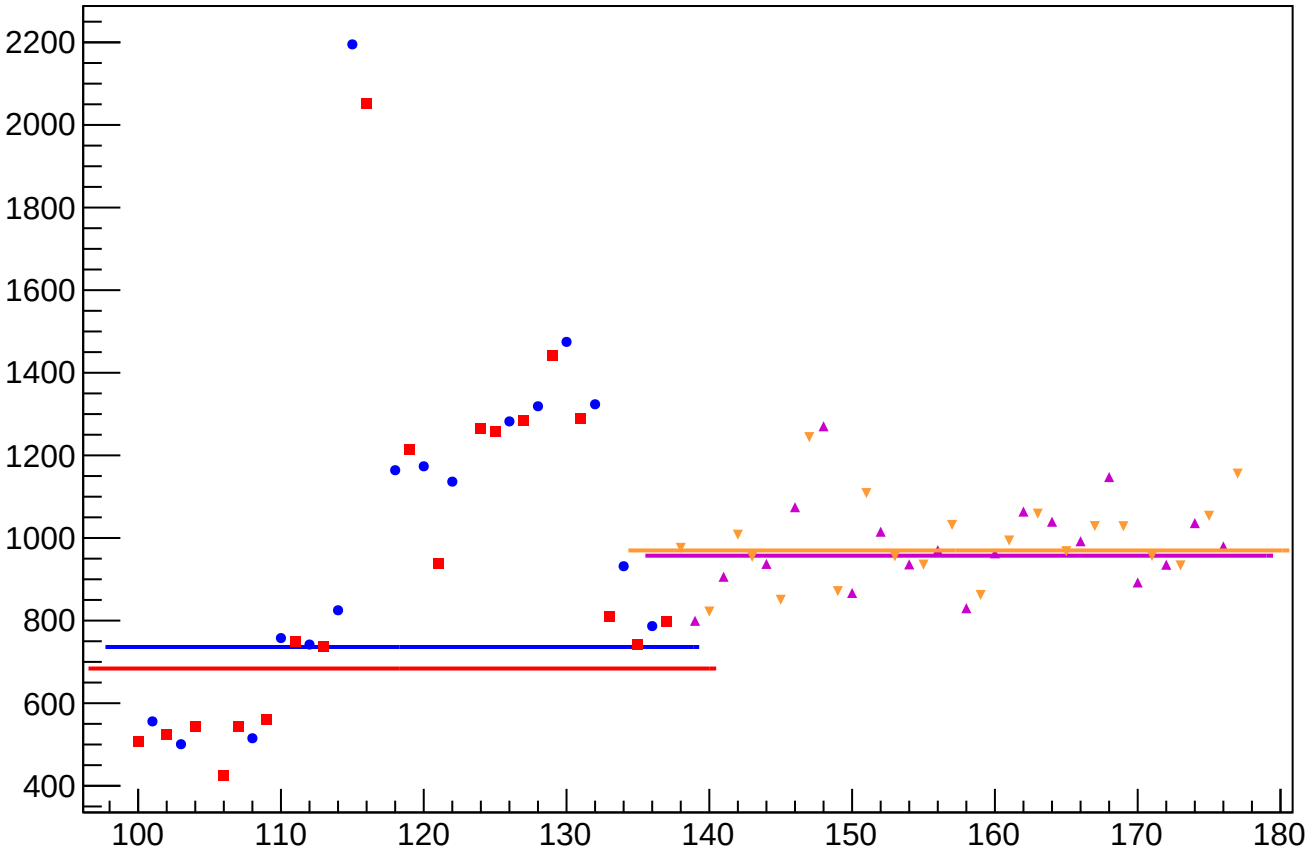
Left: -202.313+/-171.380 χ^2/NDF: 49.8/39

Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 150.360+/-188.138 χ^2/NDF:41.6/34

Out: -5.880+/-179.235 χ^2/NDF:41.8/39

All: 68.456+/-129.771 χ^2/NDF: 83.8/74



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 969.862+/-0.169 χ^2/NDF:326491.9/20

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 957.157+/-0.173 χ^2/NDF:351059.0/18

Left: 963.652+/-0.121 χ^2/NDF: 680297.3/39

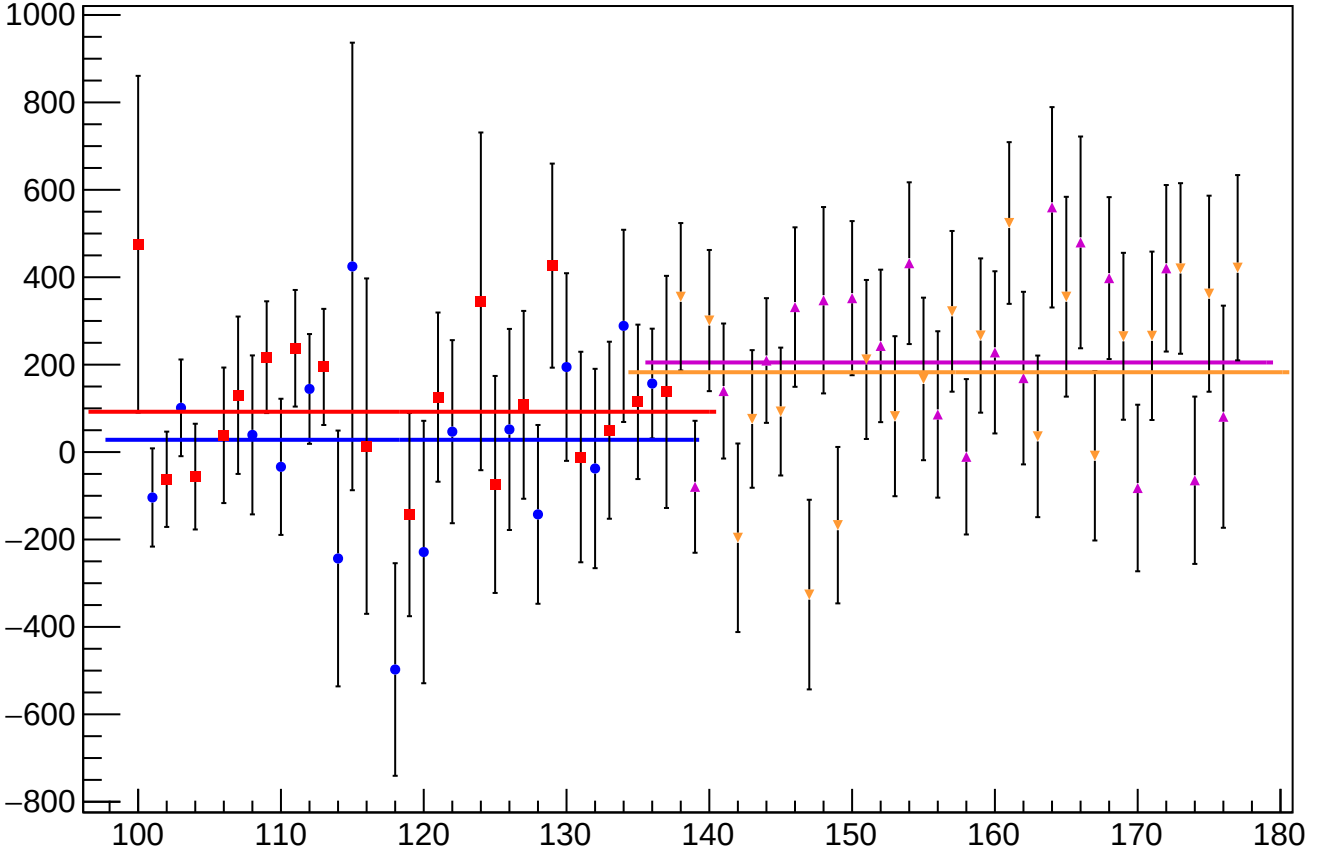
Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 866.301+/-0.133 χ^2/NDF:2864052.5/34

Out: 843.838+/-0.127 χ^2/NDF:3431105.5/39

All: 854.525+/-0.092 χ^2/NDF: 6310104.0/74

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 182.672+/-40.415 χ^2/NDF:25.3/20

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 205.020+/-42.323 χ^2/NDF:19.4/18

Left: 193.331+/-29.229 χ^2/NDF: 44.8/39

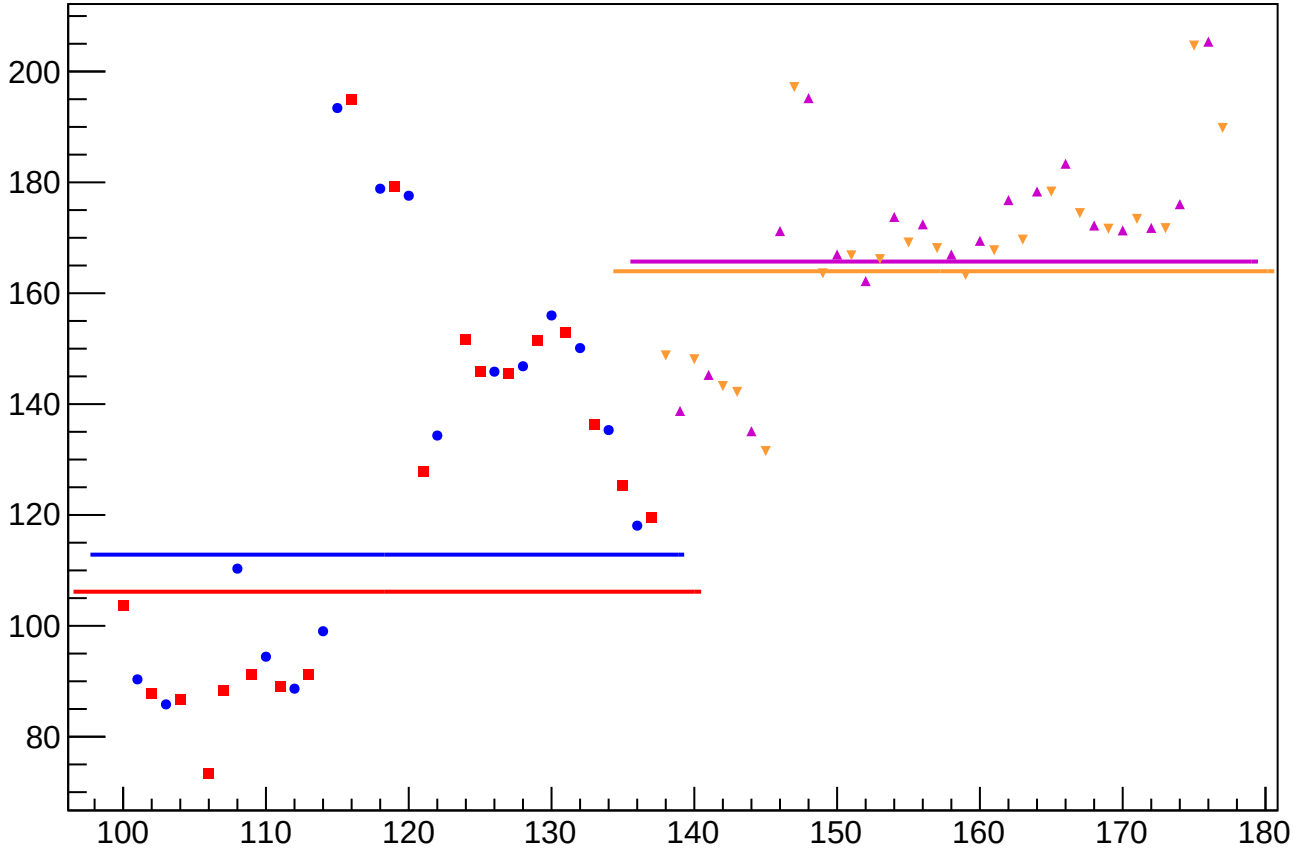
Right: 62.383+/-29.638 χ^2/NDF: 26.4/34

In: 118.859+/-30.314 χ^2/NDF:41.4/34

Out: 137.598+/-28.621 χ^2/NDF:39.5/39

All: 128.766+/-20.811 χ^2/NDF: 81.1/74

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 163.967+/-0.029 χ^2/NDF:364155.3/20

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

Left In: 165.713+/-0.030 χ^2/NDF:322841.6/18

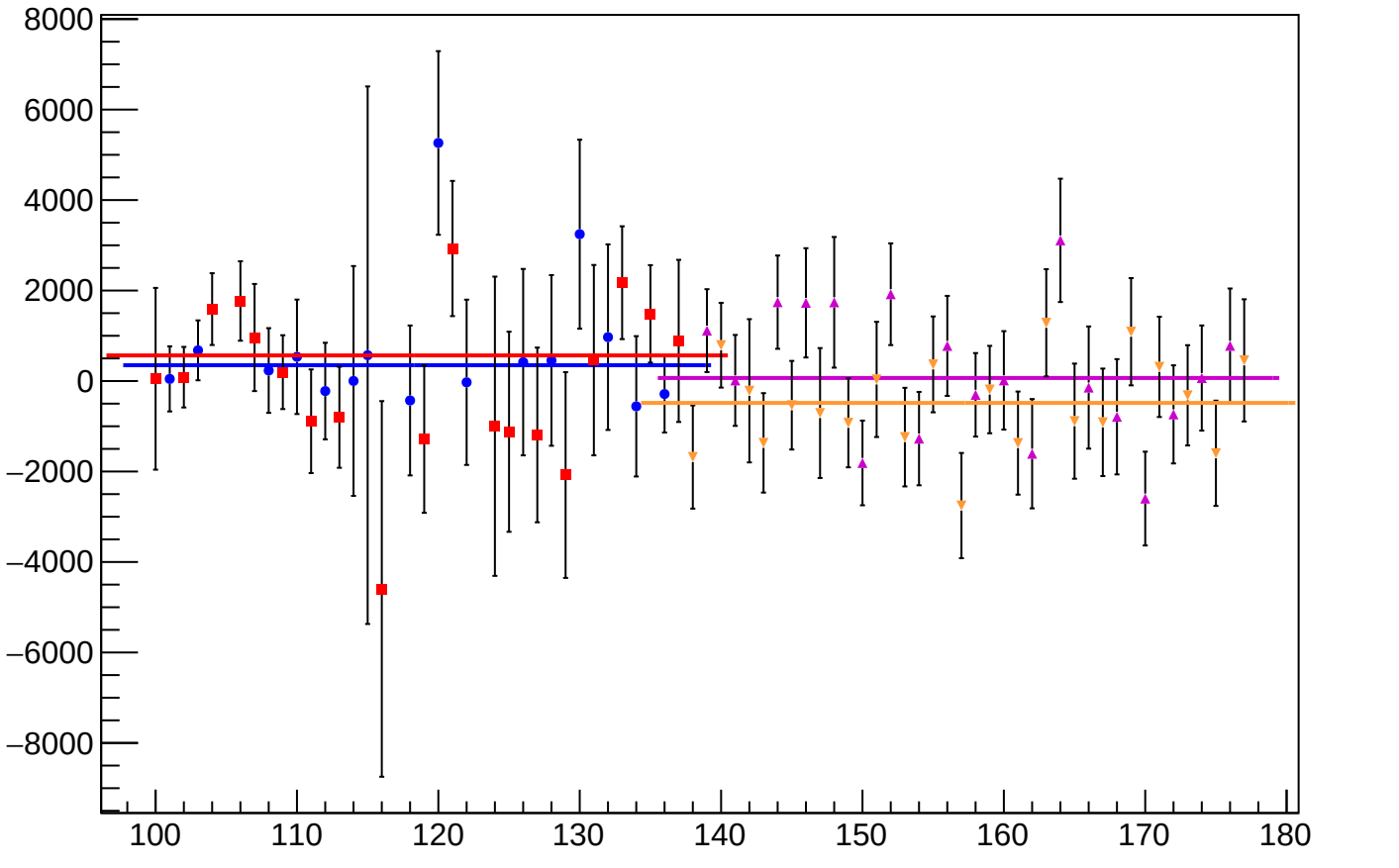
Left: 164.800+/-0.021 χ^2/NDF: 688775.9/39

Right: 109.270+/-0.021 χ^2/NDF: 1899683.8/34

In: 139.965+/-0.021 χ^2/NDF:2714976.9/34

Out: 135.152+/-0.020 χ^2/NDF:3406031.8/39

All: 137.420+/-0.015 χ^2/NDF: 6147674.2/74



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -483.887+/-247.762 χ^2/NDF:15.8/20

Right Out: 566.026+/-279.219 χ^2/NDF: 18.3/18

Left In: 67.305+/-253.761 χ^2/NDF:31.0/18

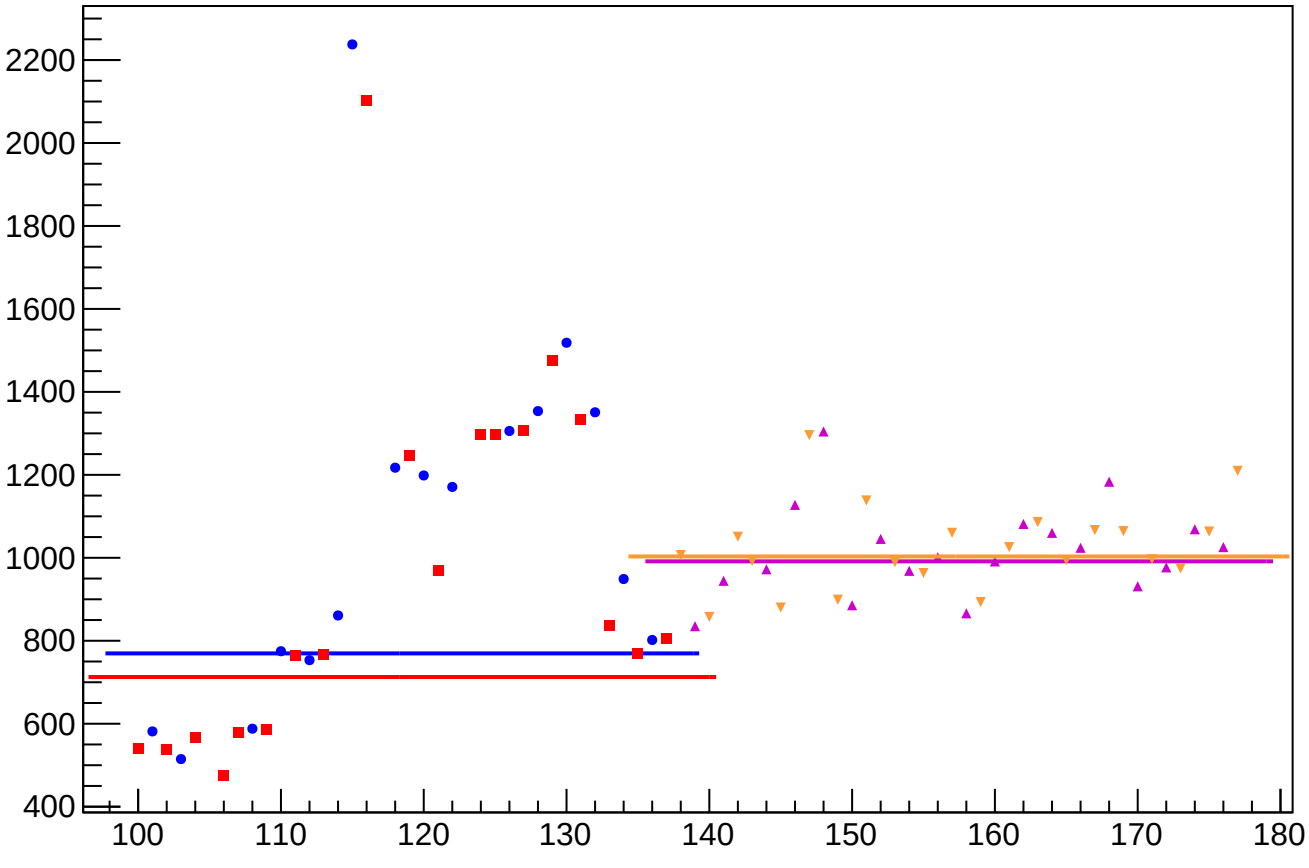
Left: -214.883+/-177.277 χ^2/NDF: 49.3/39

Right: 467.239+/-206.051 χ^2/NDF: 28.4/34

In: 182.436+/-195.158 χ^2/NDF:41.4/34

Out: -21.379+/-185.322 χ^2/NDF:42.0/39

All: 75.263+/-134.385 χ^2/NDF: 84.0/74



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 1003.257+/-0.175 χ^2/NDF:319142.5/20

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

Left In: 991.474+/-0.179 χ^2/NDF:331112.8/18

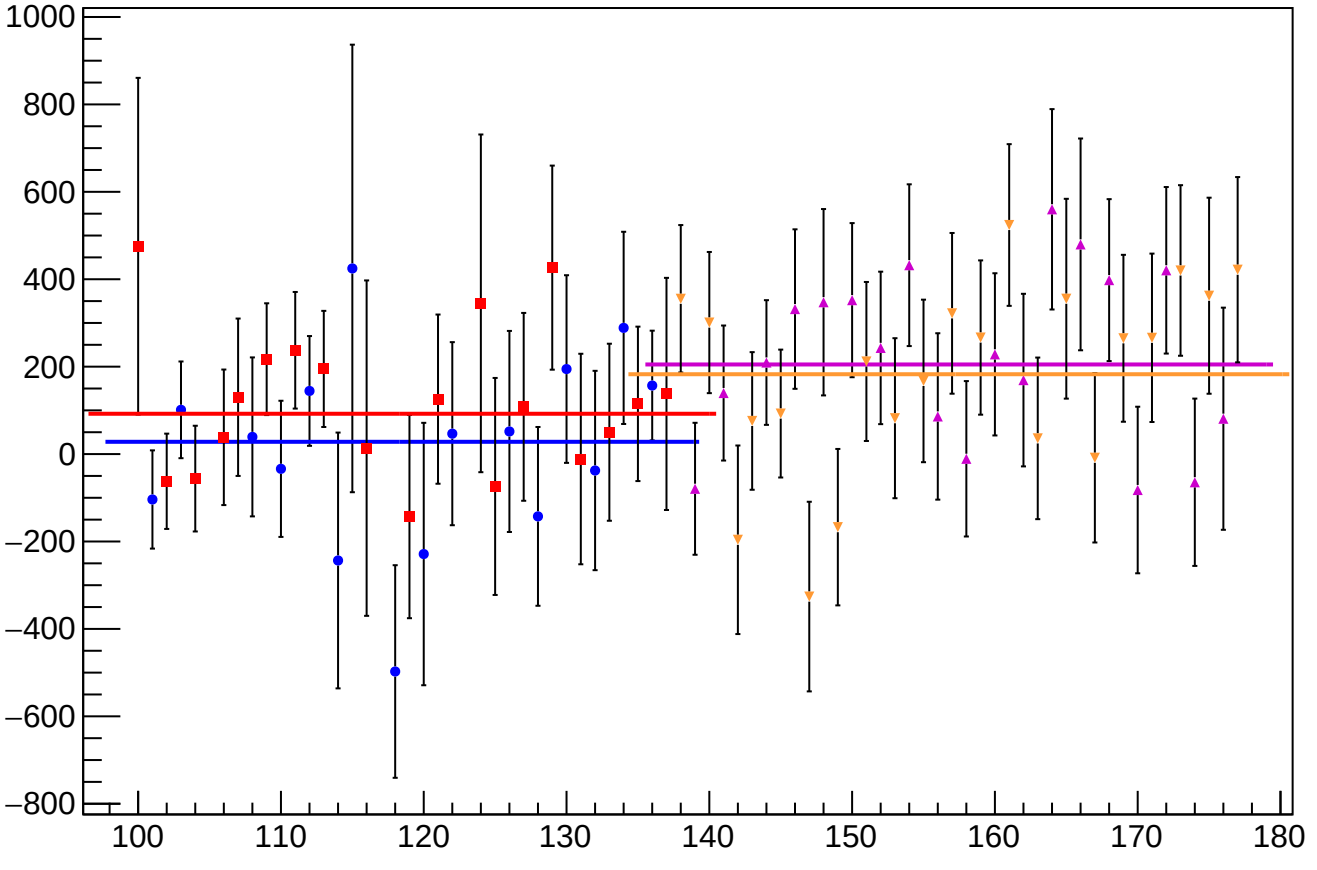
Left: 997.507+/-0.125 χ^2/NDF: 652462.9/39

Right: 738.555+/-0.146 χ^2/NDF: 3545027.5/34

In: 900.811+/-0.138 χ^2/NDF:2695934.6/34

Out: 875.230+/-0.131 χ^2/NDF:3298651.7/39

All: 887.360+/-0.095 χ^2/NDF: 6012656.7/74



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 182.673+/-40.415 χ^2/NDF:25.3/20

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 205.021+/-42.323 χ^2/NDF:19.4/18

Left: 193.332+/-29.229 χ^2/NDF: 44.8/39

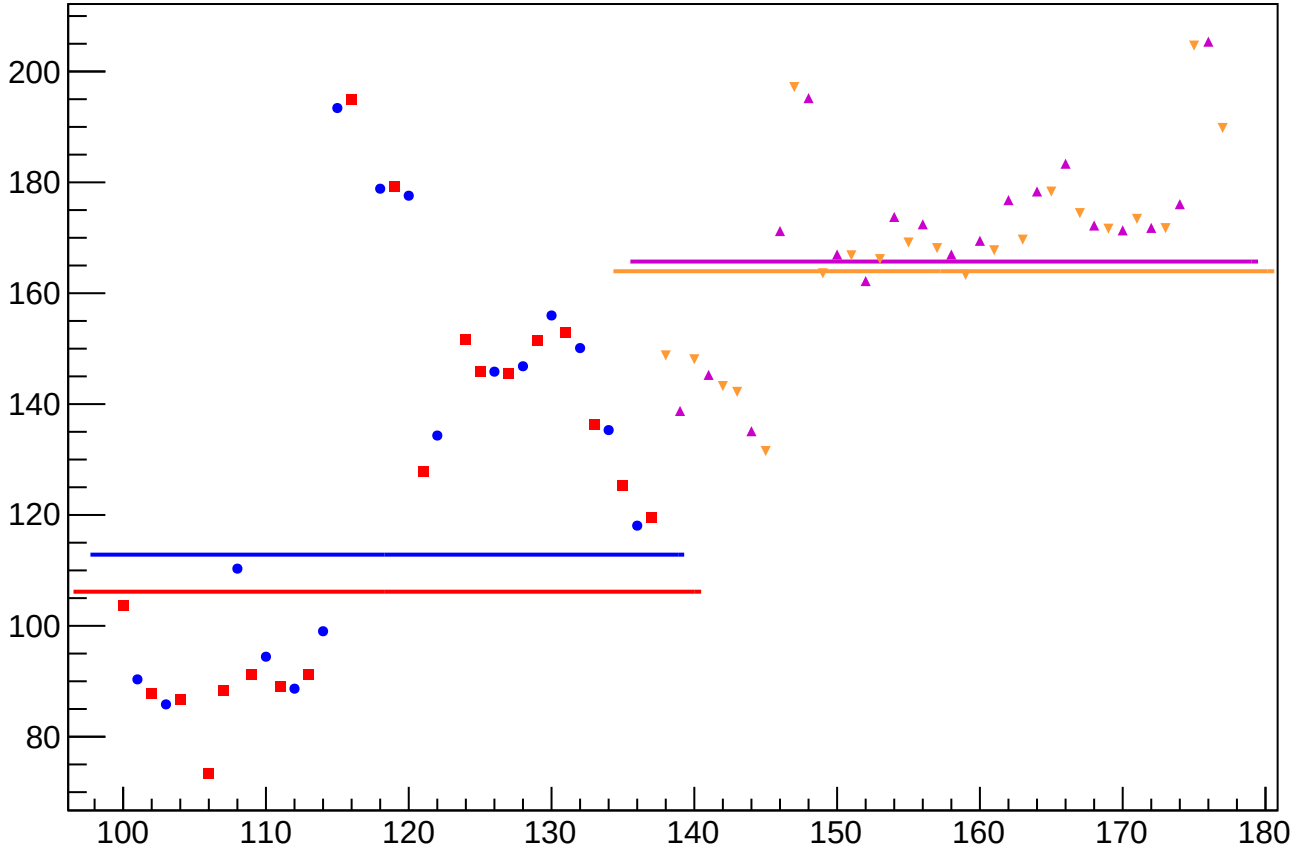
Right: 62.383+/-29.637 χ^2/NDF: 26.4/34

In: 118.858+/-30.314 χ^2/NDF:41.4/34

Out: 137.598+/-28.621 χ^2/NDF:39.5/39

All: 128.766+/-20.811 χ^2/NDF: 81.1/74

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 163.967+/-0.029 χ^2/NDF:364151.4/20

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

Left In: 165.713+/-0.030 χ^2/NDF:322832.7/18

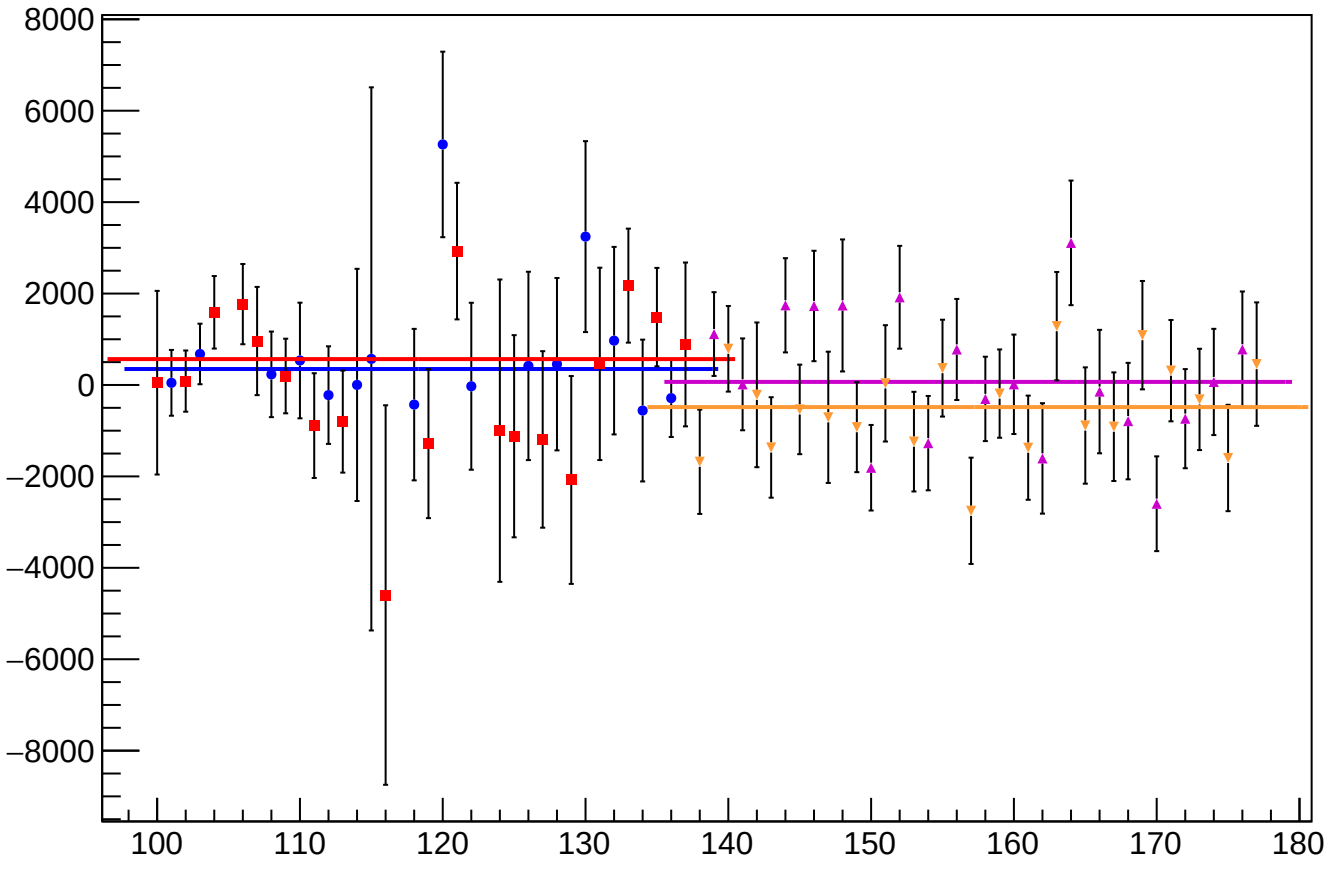
Left: 164.800+/-0.021 χ^2/NDF: 688763.4/39

Right: 109.270+/-0.021 χ^2/NDF: 1899665.6/34

In: 139.965+/-0.021 χ^2/NDF:2714997.1/34

Out: 135.151+/-0.020 χ^2/NDF:3406043.9/39

All: 137.420+/-0.015 χ^2/NDF: 6147706.6/74



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -483.886+/-247.762 χ^2/NDF:15.8/20

Right Out: 566.026+/-279.218 χ^2/NDF: 18.3/18

Left In: 67.305+/-253.761 χ^2/NDF:31.0/18

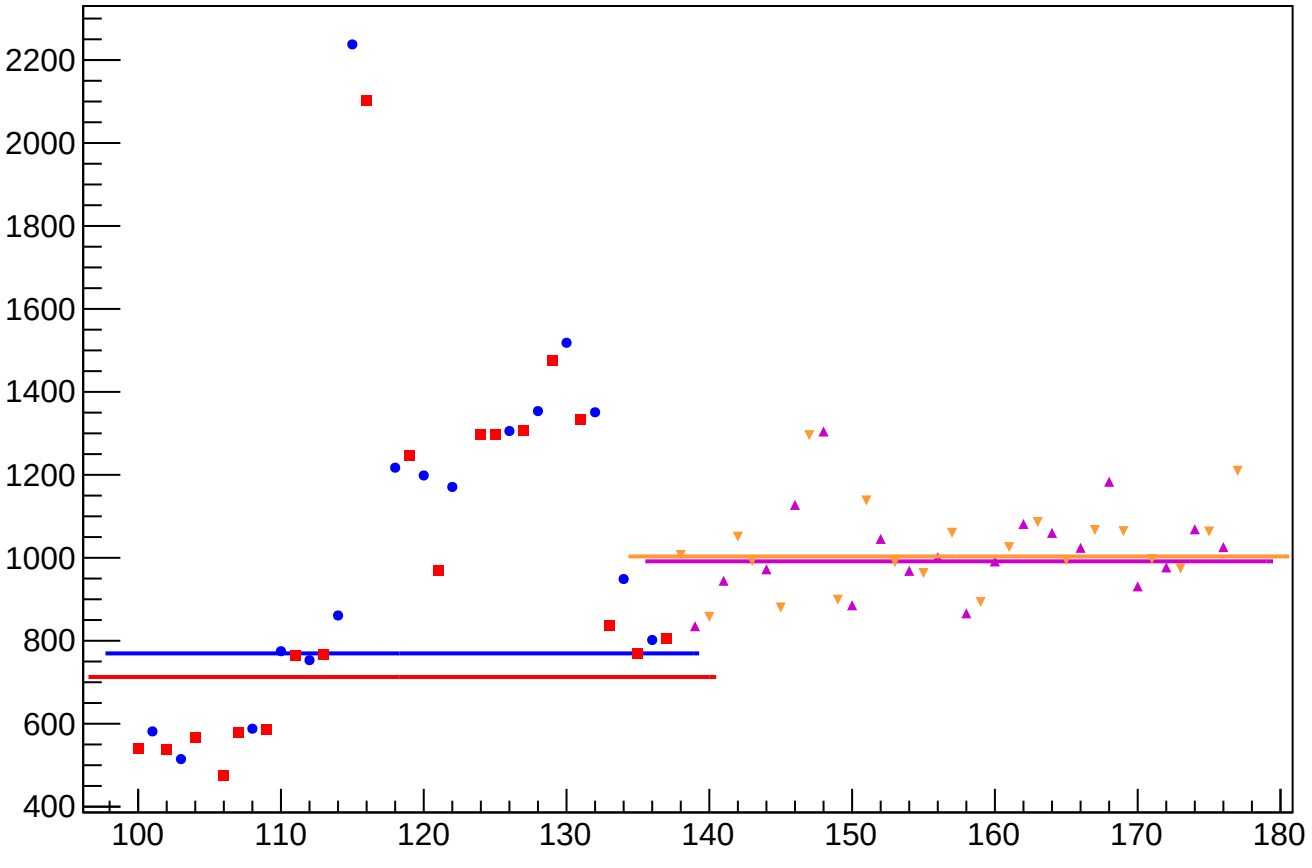
Left: -214.883+/-177.277 χ^2/NDF: 49.3/39

Right: 467.238+/-206.050 χ^2/NDF: 28.4/34

In: 182.436+/-195.158 χ^2/NDF:41.4/34

Out: -21.377+/-185.322 χ^2/NDF:42.0/39

All: 75.264+/-134.385 χ^2/NDF: 84.0/74



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 1003.259+/-0.175 χ^2/NDF:319139.7/20

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

Left In: 991.476+/-0.179 χ^2/NDF:331111.8/18

Left: 997.508+/-0.125 χ^2/NDF: 652459.1/39

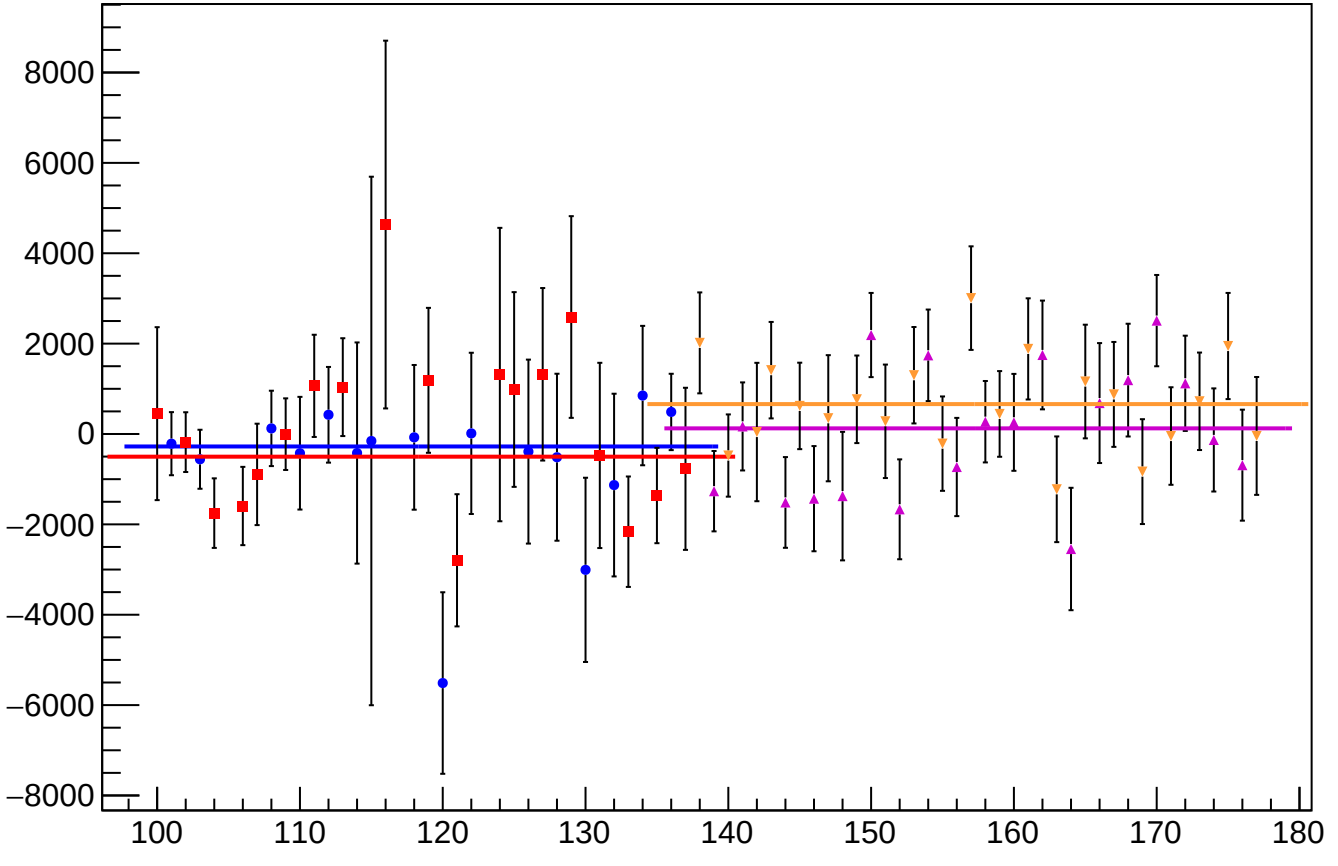
Right: 738.554+/-0.146 χ^2/NDF: 3545017.2/34

In: 900.811+/-0.138 χ^2/NDF:2695945.1/34

Out: 875.229+/-0.131 χ^2/NDF:3298663.2/39

All: 887.360+/-0.095 χ^2/NDF: 6012678.9/74

asym_sam5_mean vs Slug, Sign Corrected



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 661.648+/-242.804 χ^2/NDF:16.7/20

Right Out: -501.985+/-272.991 χ^2/NDF: 20.5/18

Left In: 124.514+/-248.521 χ^2/NDF:32.3/18

Left: 399.330+/-173.674 χ^2/NDF: 51.4/39

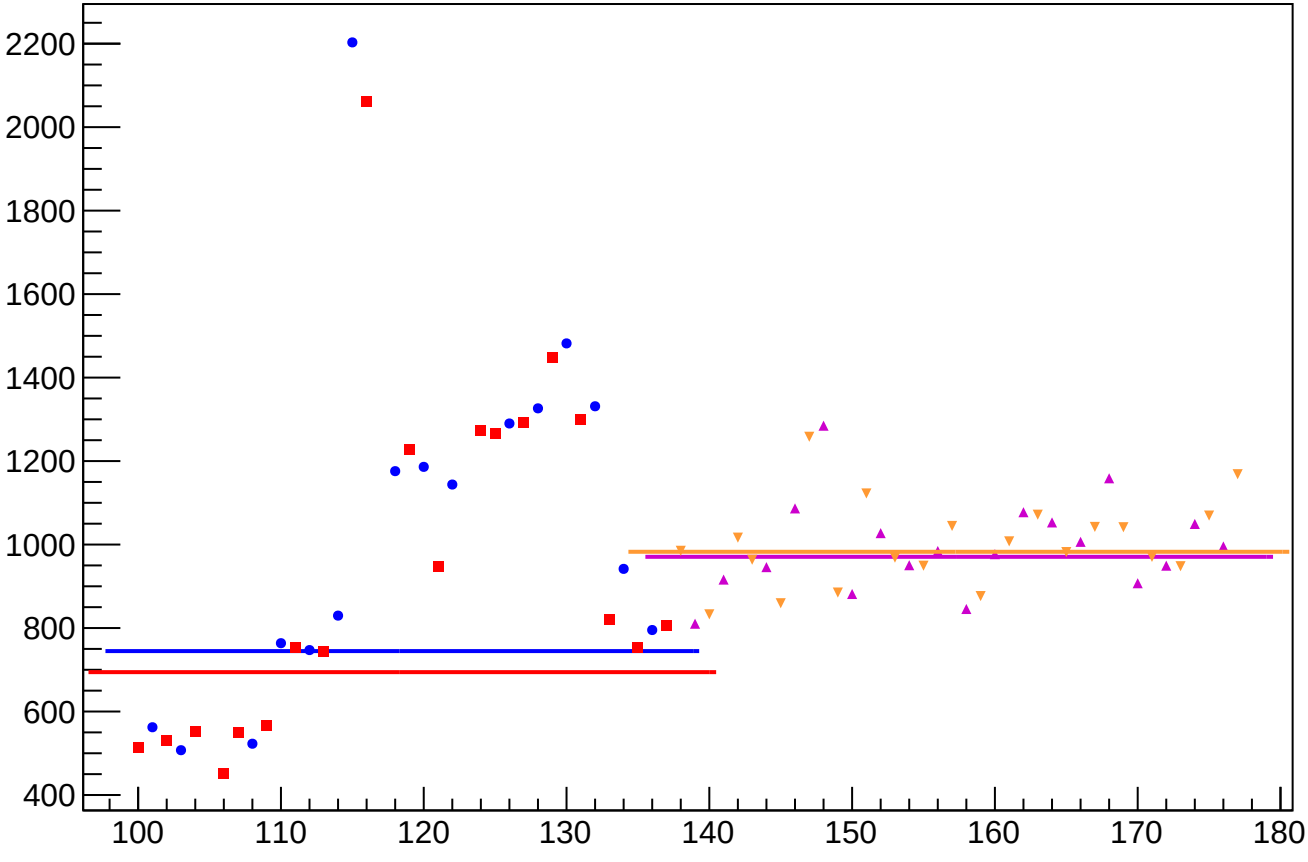
Right: -398.475+/-200.896 χ^2/NDF: 31.9/34

In: -40.702+/-190.519 χ^2/NDF:44.5/34

Out: 147.700+/-181.426 χ^2/NDF:47.3/39

All: 58.102+/-131.385 χ^2/NDF: 92.3/74

asym_sam5_rms vs Slug, Sign Corrected



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 982.703+/-0.172 χ^2/NDF:322129.1/20

Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 970.638+/-0.176 χ^2/NDF:342158.1/18

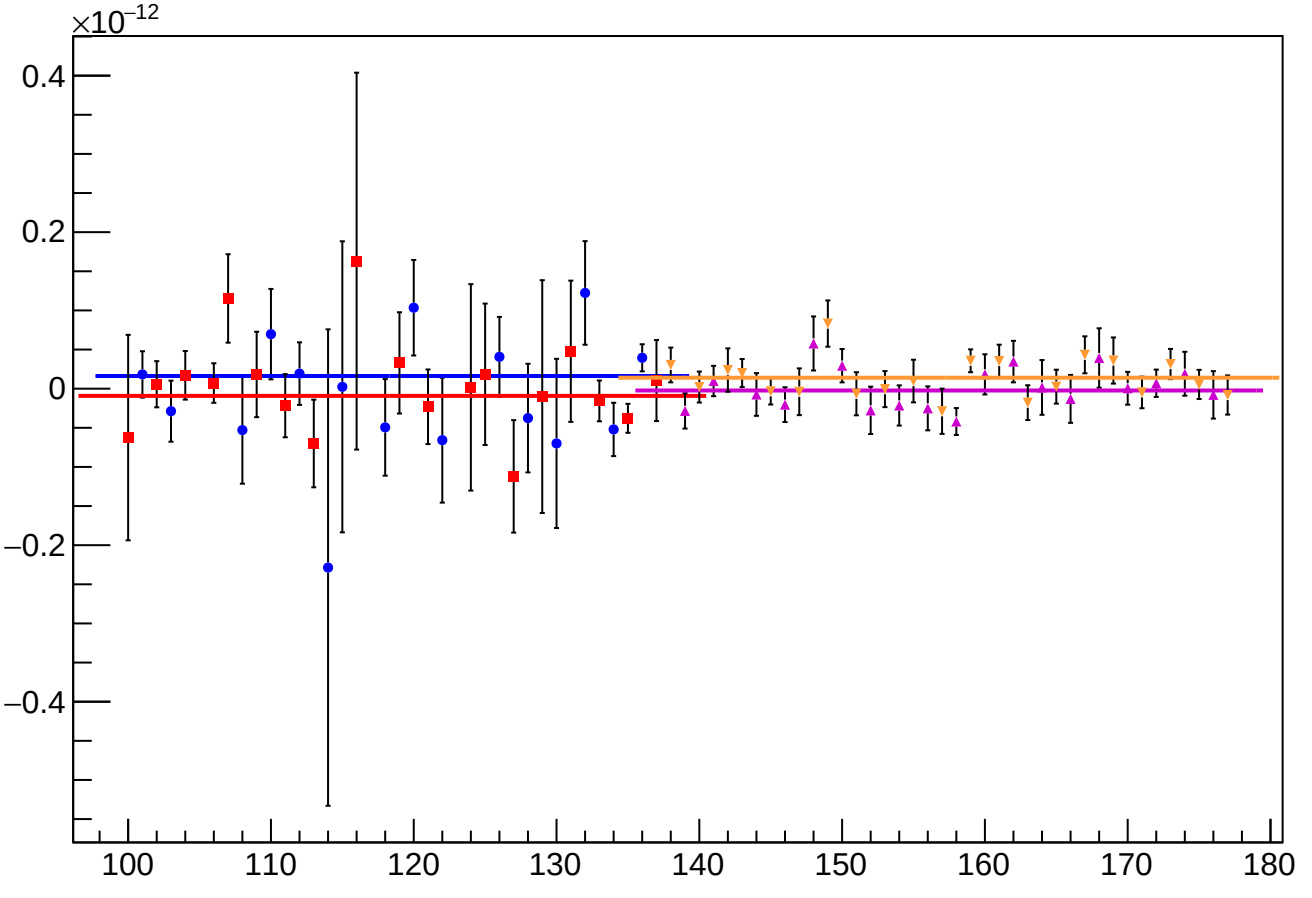
Left: 976.811+/-0.123 χ^2/NDF: 666698.9/39

Right: 717.469+/-0.142 χ^2/NDF: 3657590.2/34

In: 877.517+/-0.135 χ^2/NDF:2845769.9/34

Out: 855.344+/-0.128 χ^2/NDF:3371751.4/39

All: 865.889+/-0.093 χ^2/NDF: 6231728.0/74



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

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/20

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: -0.000+/-0.000 χ^2/NDF:19.7/18

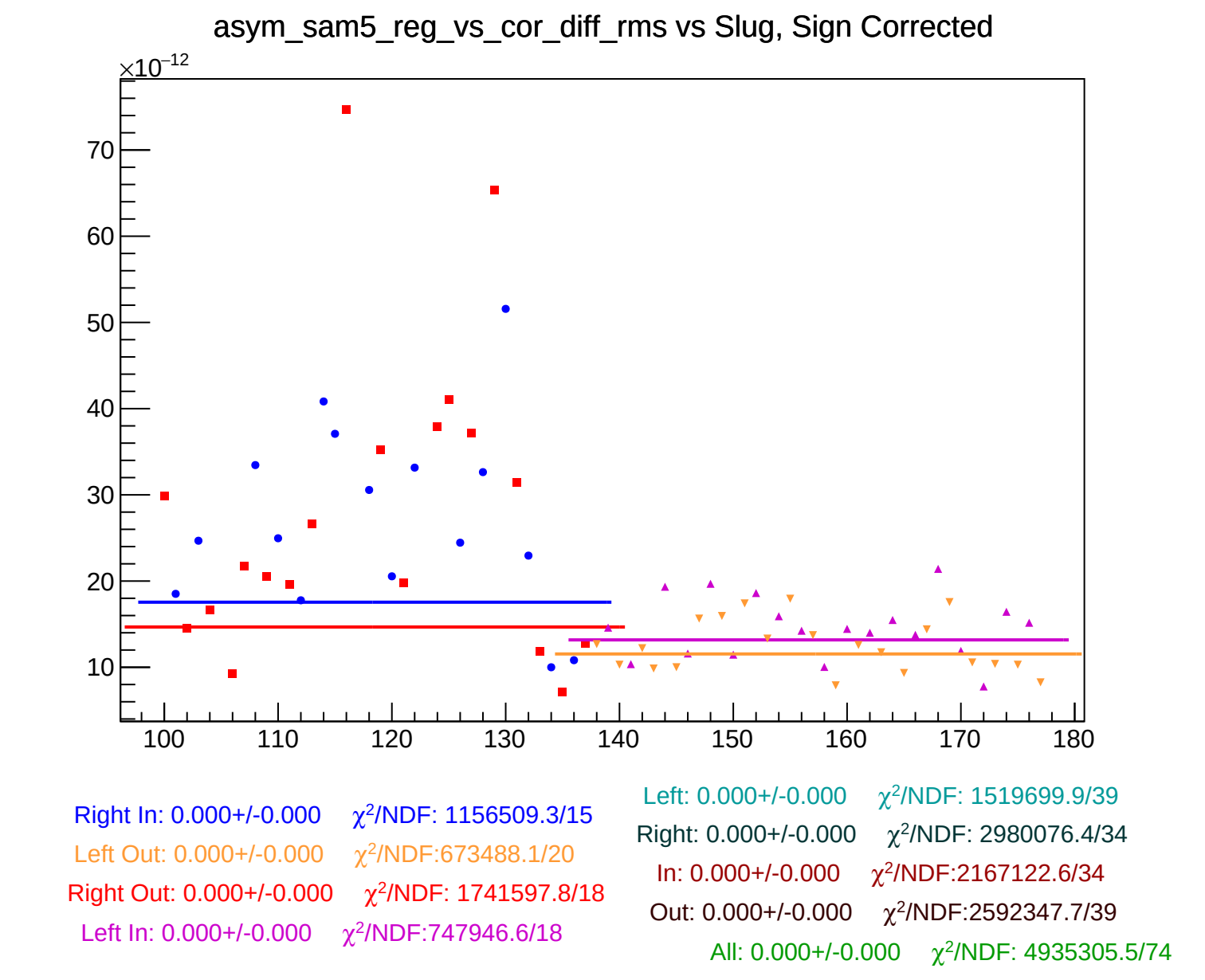
Left: 0.000+/-0.000 χ^2/NDF: 46.2/39

Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: 0.000+/-0.000 χ^2/NDF:40.0/34

Out: 0.000+/-0.000 χ^2/NDF:40.5/39

All: 0.000+/-0.000 χ^2/NDF: 81.9/74


asym_sam5_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
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30
20
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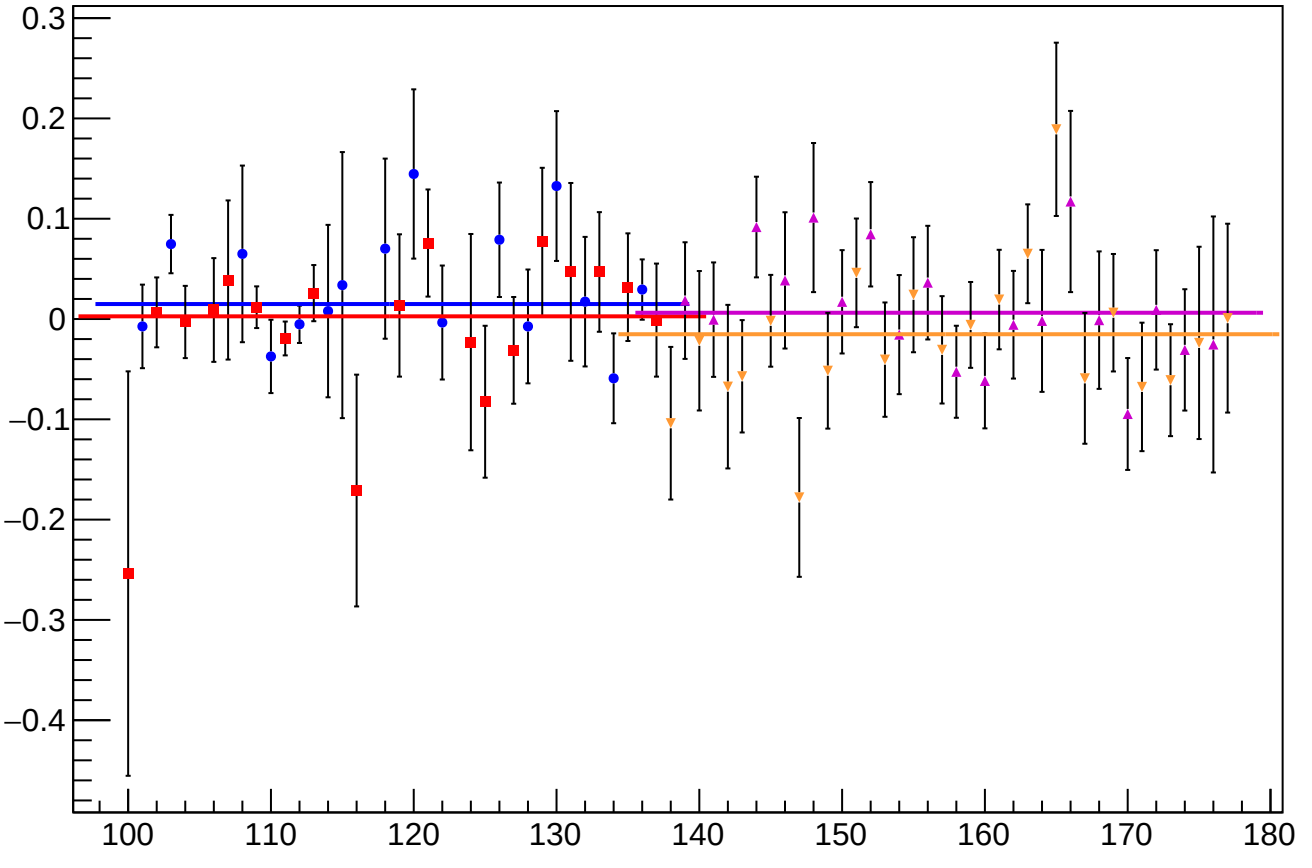
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1156509.3/15
Left Out: 0.000+/-0.000 χ²/NDF:673488.1/20
Right Out: 0.000+/-0.000 χ²/NDF: 1741597.8/18
Left In: 0.000+/-0.000 χ²/NDF:747946.6/18
Left: 0.000+/-0.000 χ²/NDF: 1519699.9/39
Right: 0.000+/-0.000 χ²/NDF: 2980076.4/34
In: 0.000+/-0.000 χ²/NDF:2167122.6/34
Out: 0.000+/-0.000 χ²/NDF:2592347.7/39
All: 0.000+/-0.000 χ²/NDF: 4935305.5/74



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.015+/-0.013 χ^2/NDF:19.8/20

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.006+/-0.014 χ^2/NDF:16.5/18

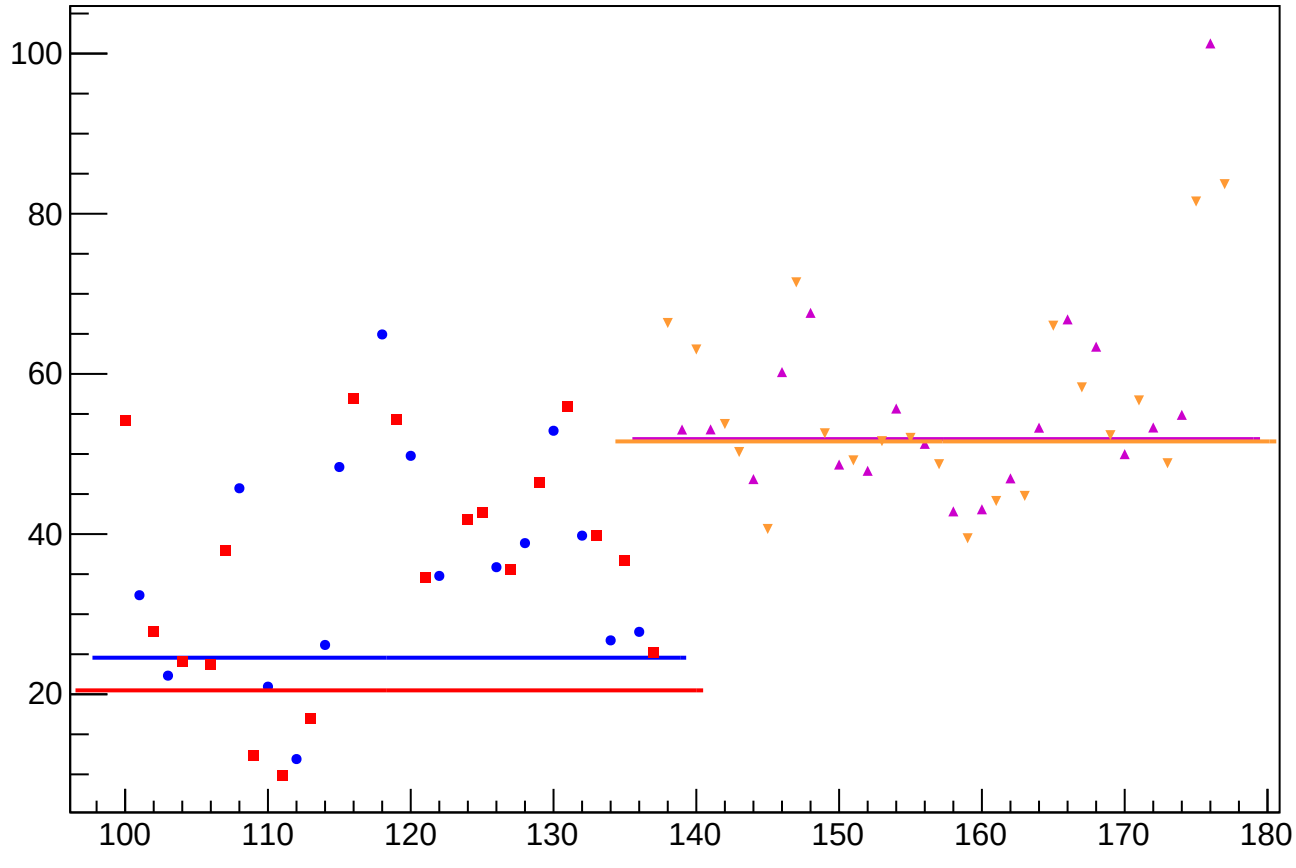
Left: -0.005+/-0.009 χ^2/NDF: 37.7/39

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.012+/-0.008 χ^2/NDF:34.6/34

Out: -0.003+/-0.008 χ^2/NDF:33.5/39

All: 0.003+/-0.006 χ^2/NDF: 69.9/74



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 51.572+/-0.009 χ^2/NDF:1148837.1/20

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 51.861+/-0.010 χ^2/NDF:752620.2/18

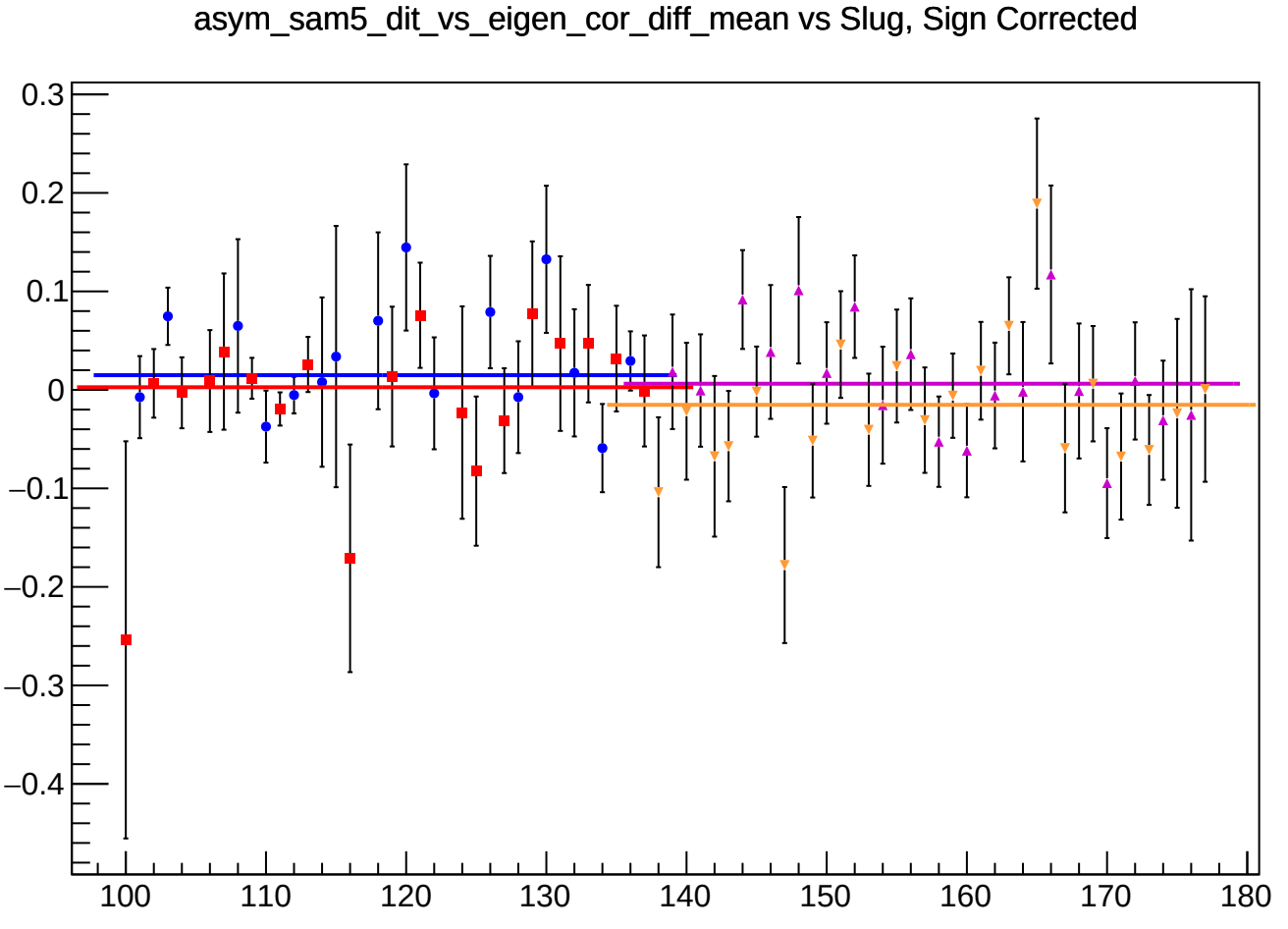
Left: 51.711+/-0.007 χ^2/NDF: 1901931.4/39

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 34.954+/-0.006 χ^2/NDF:8296078.7/34

Out: 30.878+/-0.005 χ^2/NDF:12321582.3/39

All: 32.710+/-0.004 χ^2/NDF: 20881072.4/74



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.015+/-0.013 χ^2/NDF:19.8/20

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.006+/-0.014 χ^2/NDF:16.5/18

Left: -0.005+/-0.009 χ^2/NDF: 37.7/39

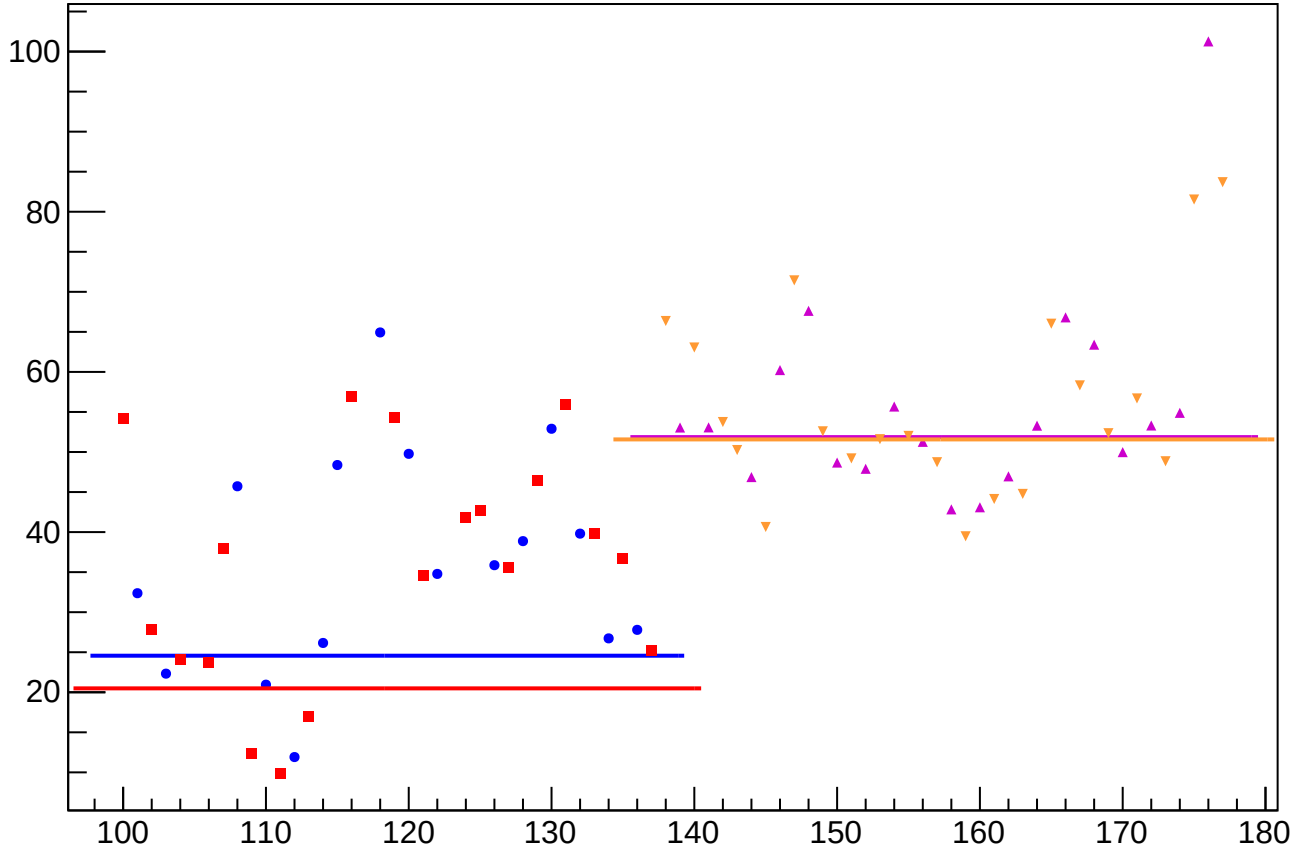
Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.012+/-0.008 χ^2/NDF:34.6/34

Out: -0.003+/-0.008 χ^2/NDF:33.5/39

All: 0.003+/-0.006 χ^2/NDF: 69.9/74

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 51.572+/-0.009 χ^2/NDF:1148837.1/20

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 51.861+/-0.010 χ^2/NDF:752620.2/18

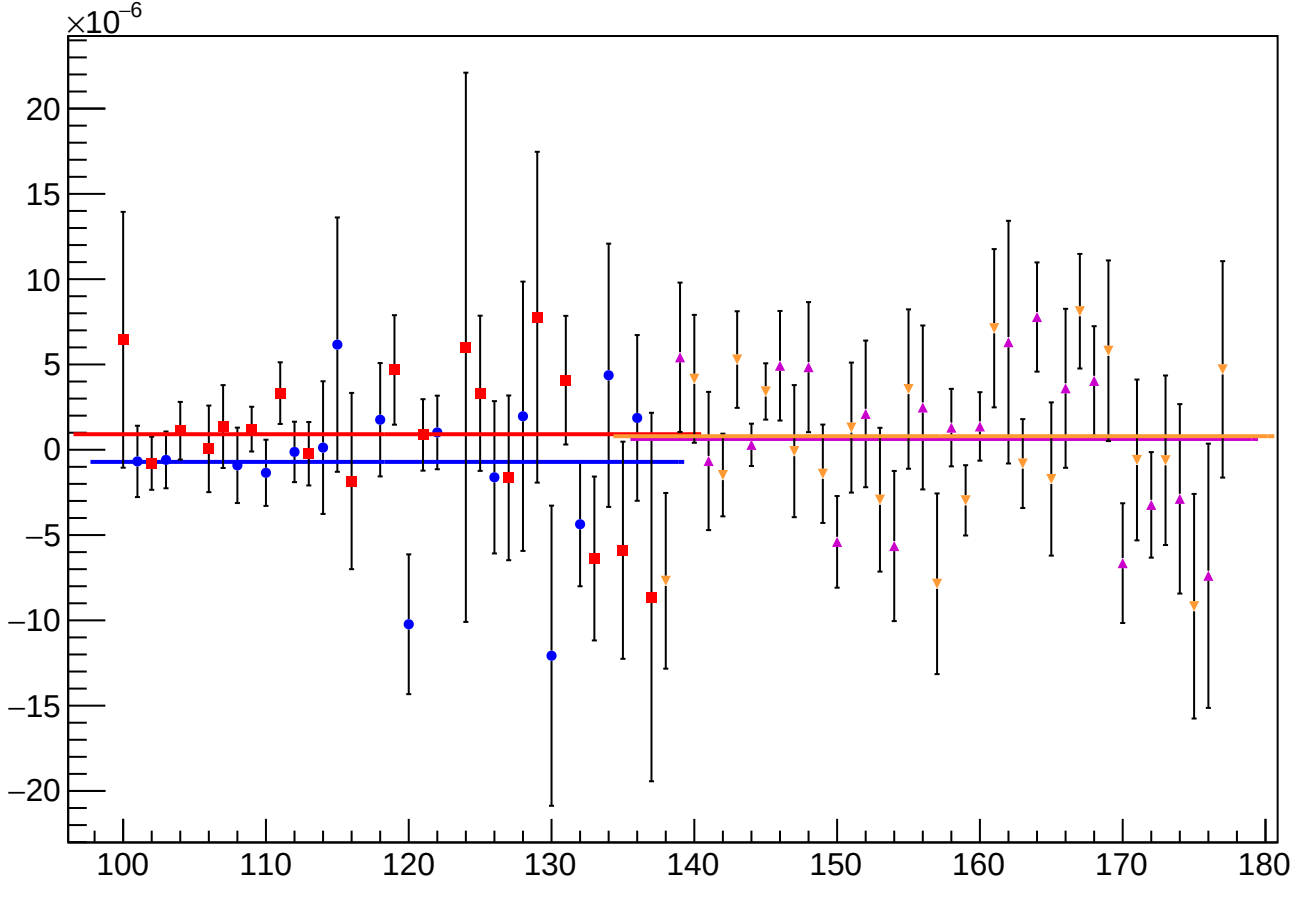
Left: 51.711+/-0.007 χ^2/NDF: 1901931.4/39

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 34.954+/-0.006 χ^2/NDF:8296078.7/34

Out: 30.878+/-0.005 χ^2/NDF:12321582.3/39

All: 32.710+/-0.004 χ^2/NDF: 20881072.4/74



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 11.9/18

Left In: 0.000+/-0.000 χ^2/NDF:26.4/18

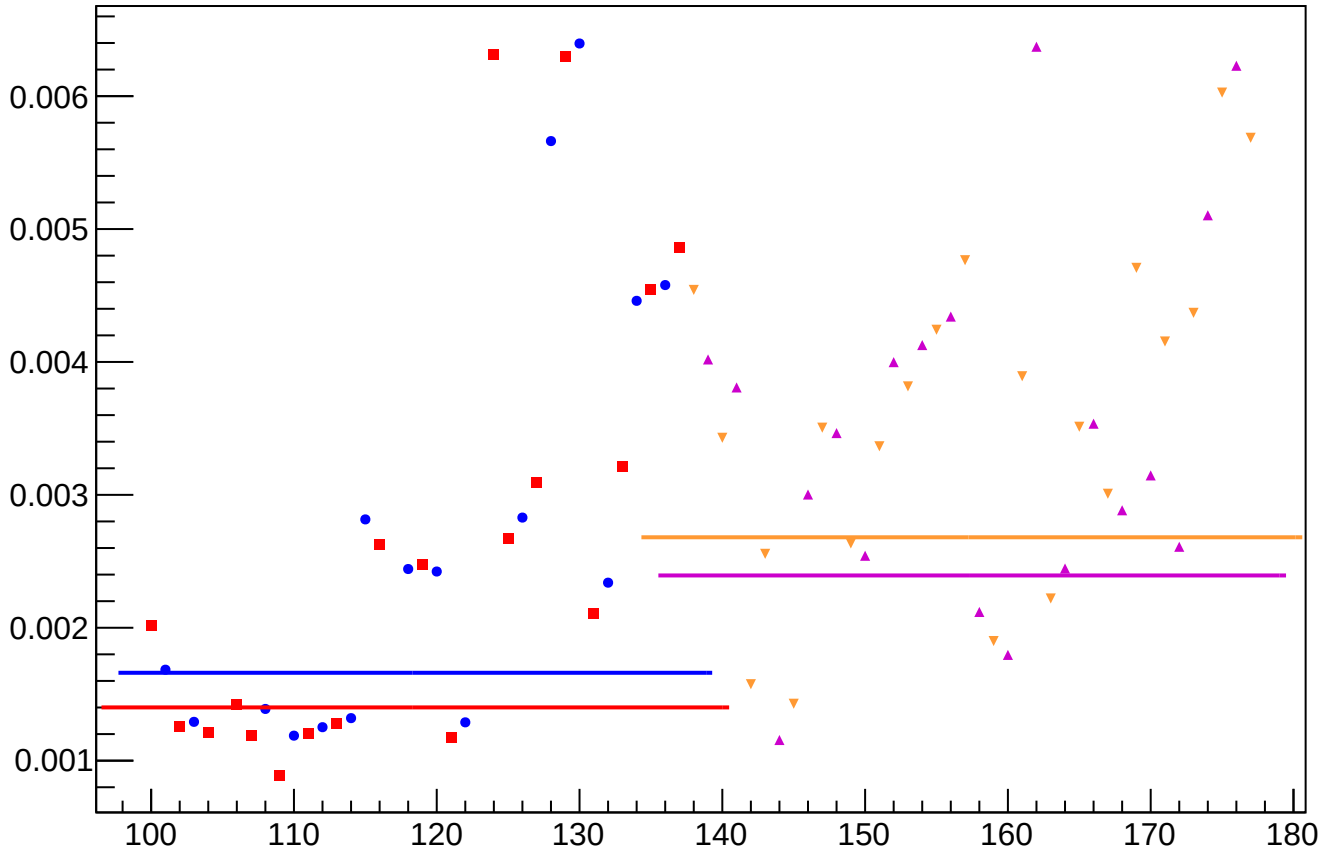
Left: 0.000+/-0.000 χ^2/NDF: 54.7/39

Right: 0.000+/-0.000 χ^2/NDF: 26.3/34

In: -0.000+/-0.000 χ^2/NDF:39.6/34

Out: 0.000+/-0.000 χ^2/NDF:40.2/39

All: 0.000+/-0.000 χ^2/NDF: 81.5/74



Right In: 0.002+/-0.000 χ^2/NDF: 2942035.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:5006708.3/20

Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

Left In: 0.002+/-0.000 χ^2/NDF:5729720.7/18

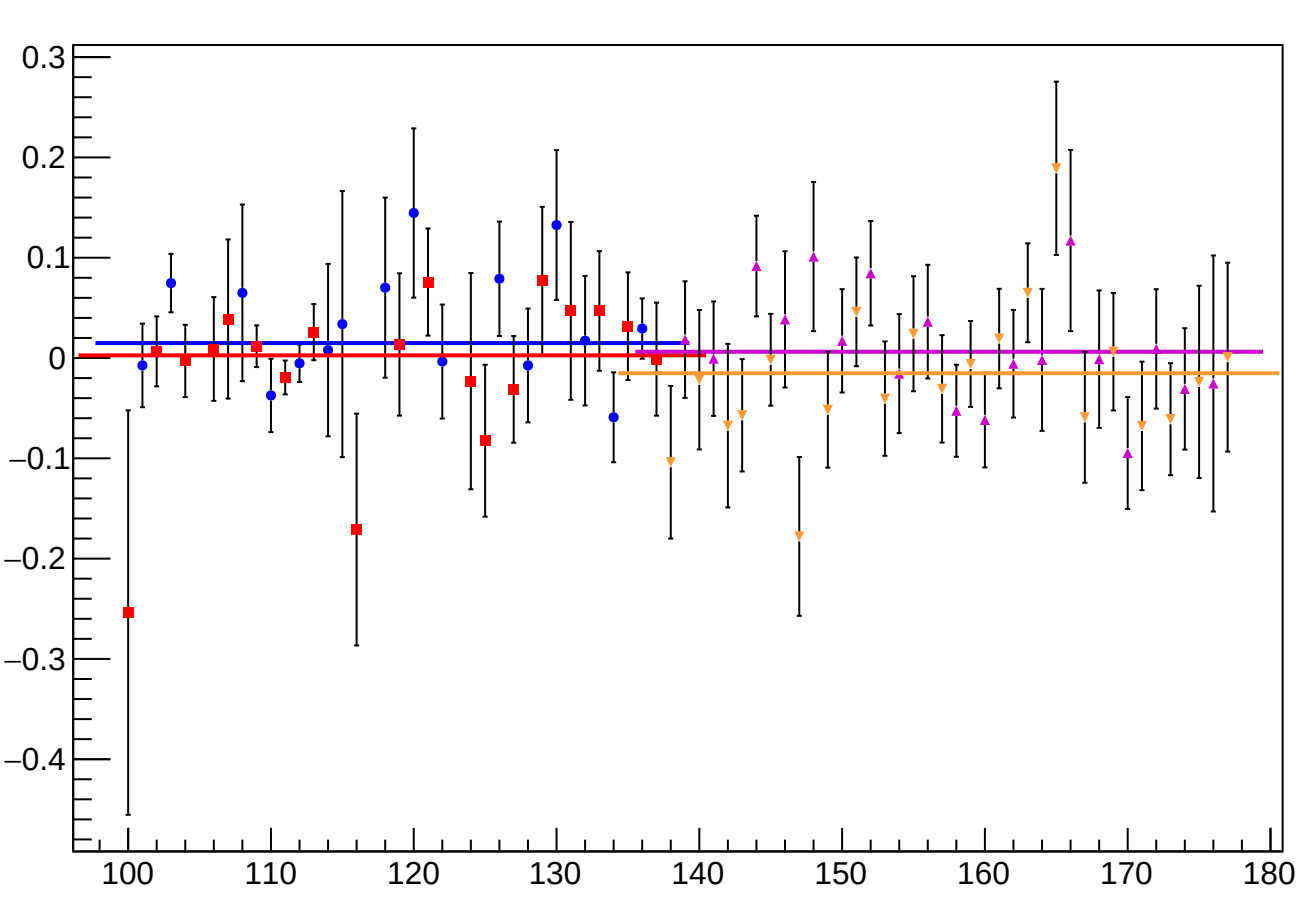
Left: 0.003+/-0.000 χ^2/NDF: 10902977.9/39

Right: 0.002+/-0.000 χ^2/NDF: 6020323.5/34

In: 0.002+/-0.000 χ^2/NDF:9796080.0/34

Out: 0.002+/-0.000 χ^2/NDF:11684784.4/39

All: 0.002+/-0.000 χ^2/NDF: 21555513.2/74



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.015+/-0.013 χ^2/NDF:19.8/20

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.006+/-0.014 χ^2/NDF:16.5/18

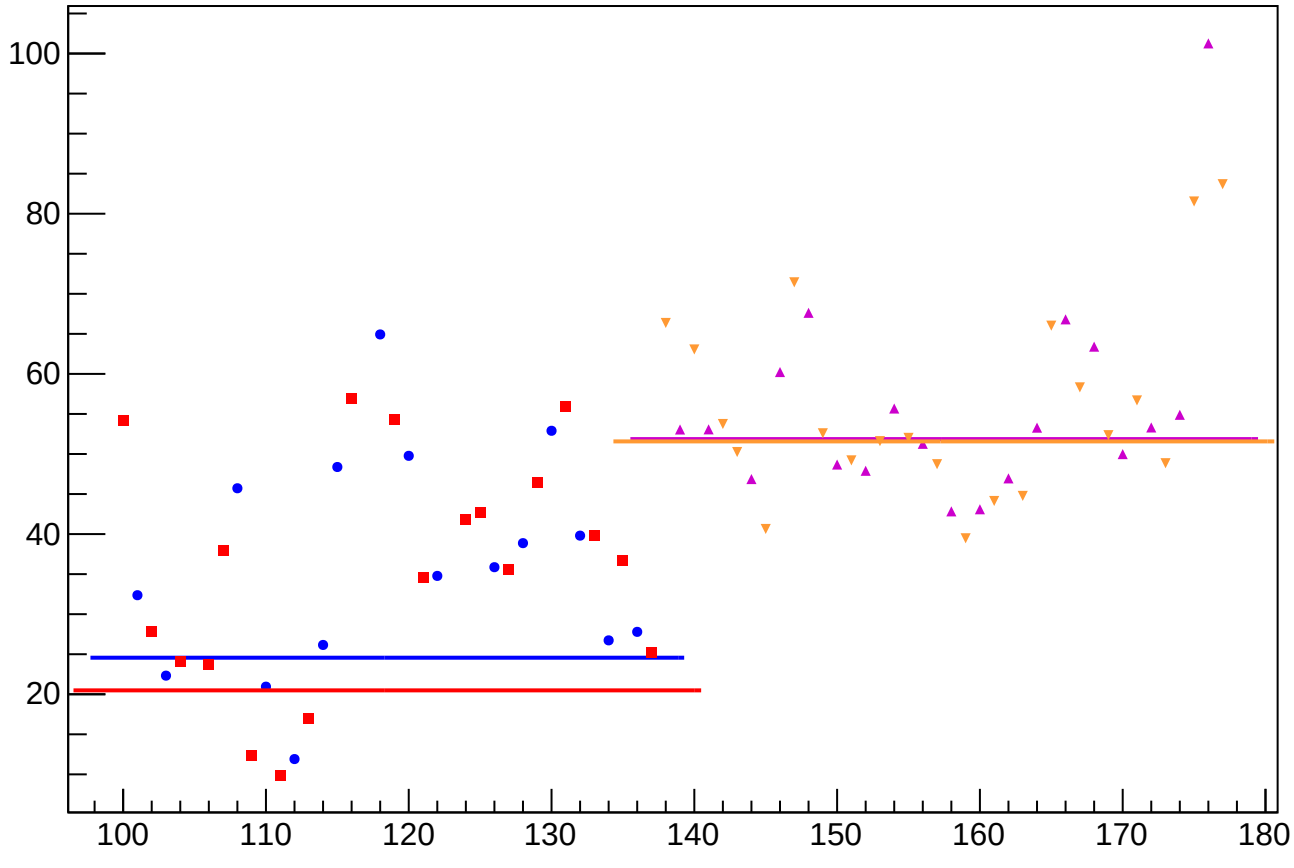
Left: -0.005+/-0.009 χ^2/NDF: 37.7/39

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.012+/-0.008 χ^2/NDF:34.6/34

Out: -0.003+/-0.008 χ^2/NDF:33.5/39

All: 0.003+/-0.006 χ^2/NDF: 69.9/74



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 51.572+/-0.009 χ^2/NDF:1148930.3/20

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 51.861+/-0.010 χ^2/NDF:752701.2/18

Left: 51.711+/-0.007 χ^2/NDF: 1902105.8/39

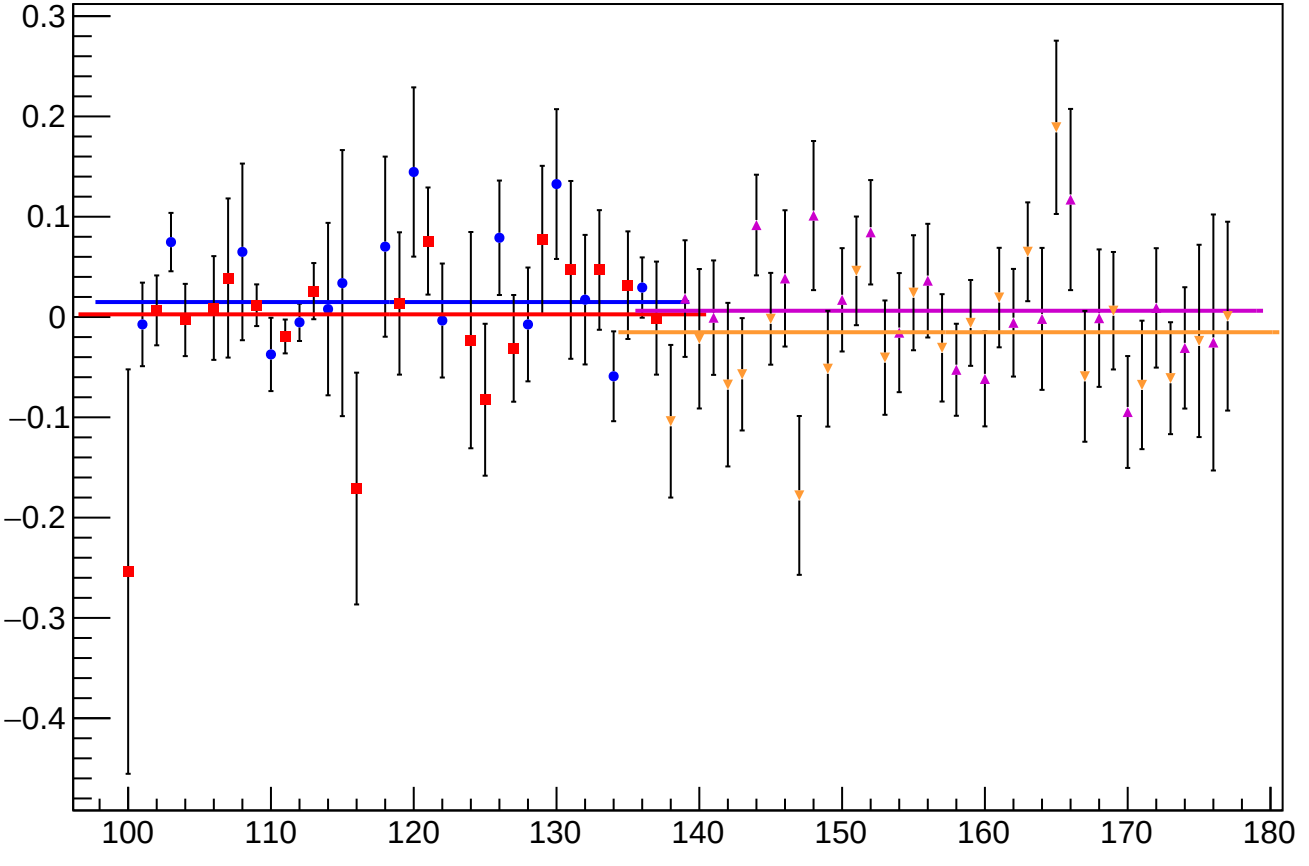
Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 34.953+/-0.006 χ^2/NDF:8296395.8/34

Out: 30.878+/-0.005 χ^2/NDF:12322053.3/39

All: 32.709+/-0.004 χ^2/NDF: 20881878.4/74

asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.015+/-0.013 χ^2/NDF:19.8/20

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.006+/-0.014 χ^2/NDF:16.5/18

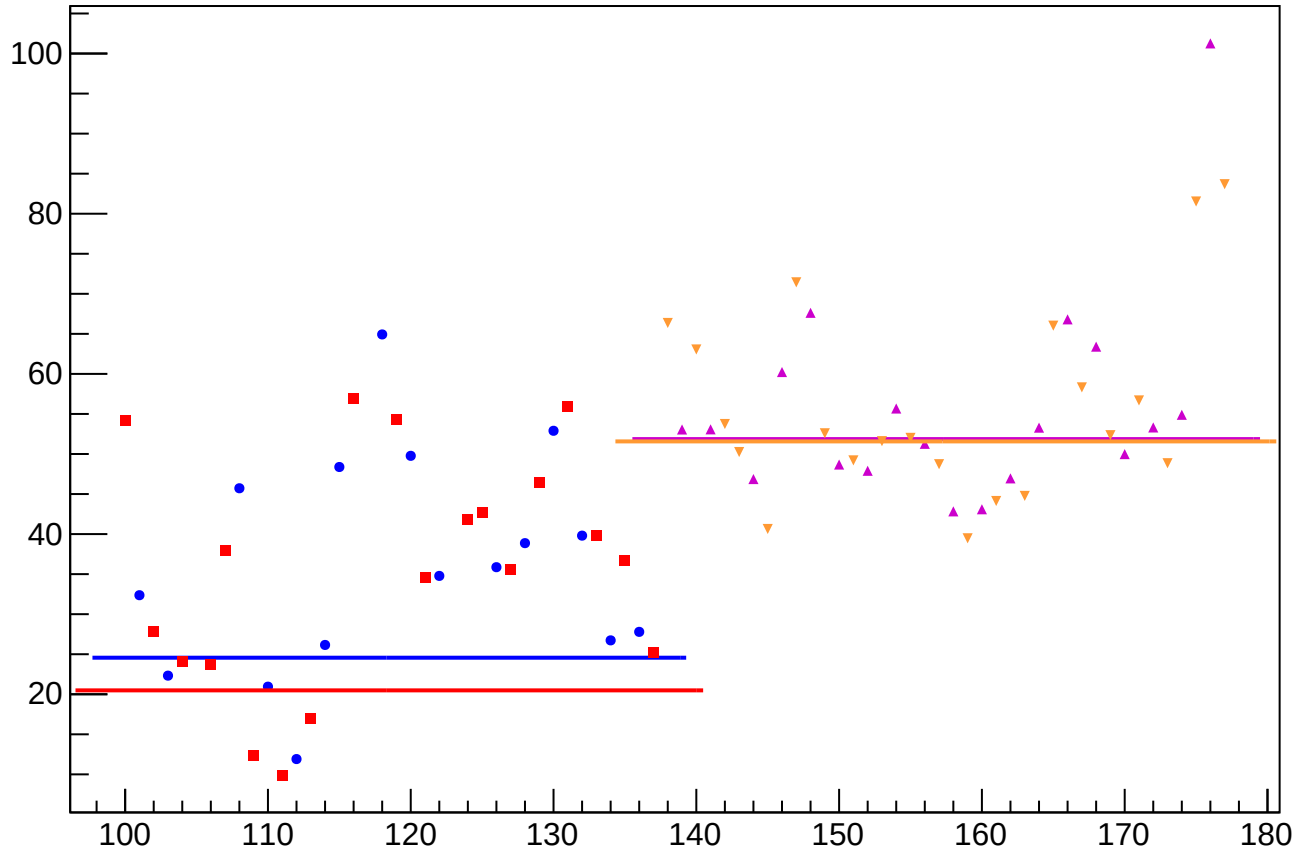
Left: -0.005+/-0.009 χ^2/NDF: 37.7/39

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.012+/-0.008 χ^2/NDF:34.6/34

Out: -0.003+/-0.008 χ^2/NDF:33.5/39

All: 0.003+/-0.006 χ^2/NDF: 69.9/74



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 51.572+/-0.009 χ^2/NDF:1148930.3/20

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 51.861+/-0.010 χ^2/NDF:752701.2/18

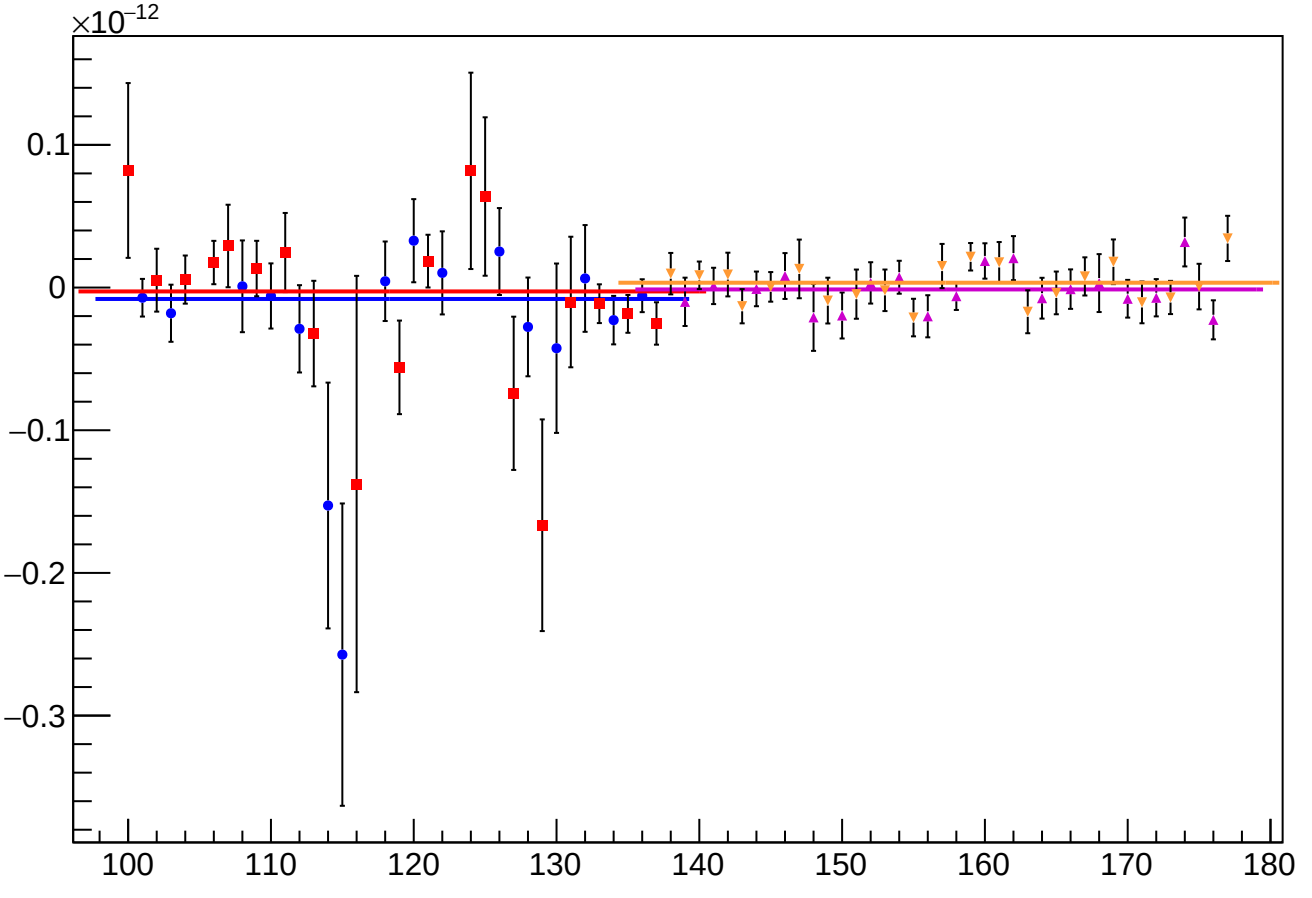
Left: 51.711+/-0.007 χ^2/NDF: 1902105.8/39

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 34.953+/-0.006 χ^2/NDF:8296395.8/34

Out: 30.878+/-0.005 χ^2/NDF:12322053.3/39

All: 32.709+/-0.004 χ^2/NDF: 20881878.4/74



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.9/20

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/18

Left In: -0.000+/-0.000 χ^2/NDF:16.6/18

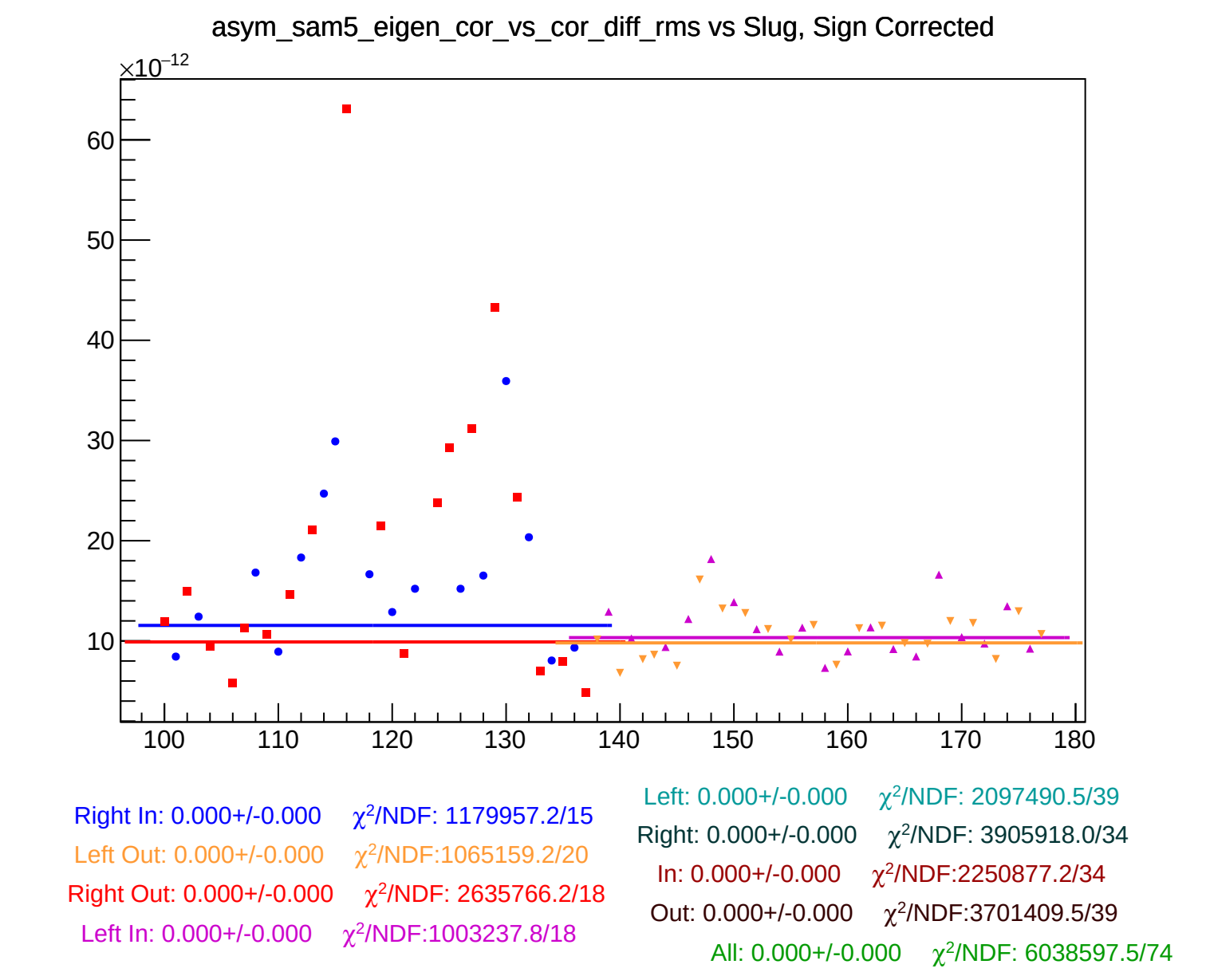
Left: 0.000+/-0.000 χ^2/NDF: 38.7/39

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

In: -0.000+/-0.000 χ^2/NDF:32.2/34

Out: 0.000+/-0.000 χ^2/NDF:48.1/39

All: -0.000+/-0.000 χ^2/NDF: 81.8/74


asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
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170
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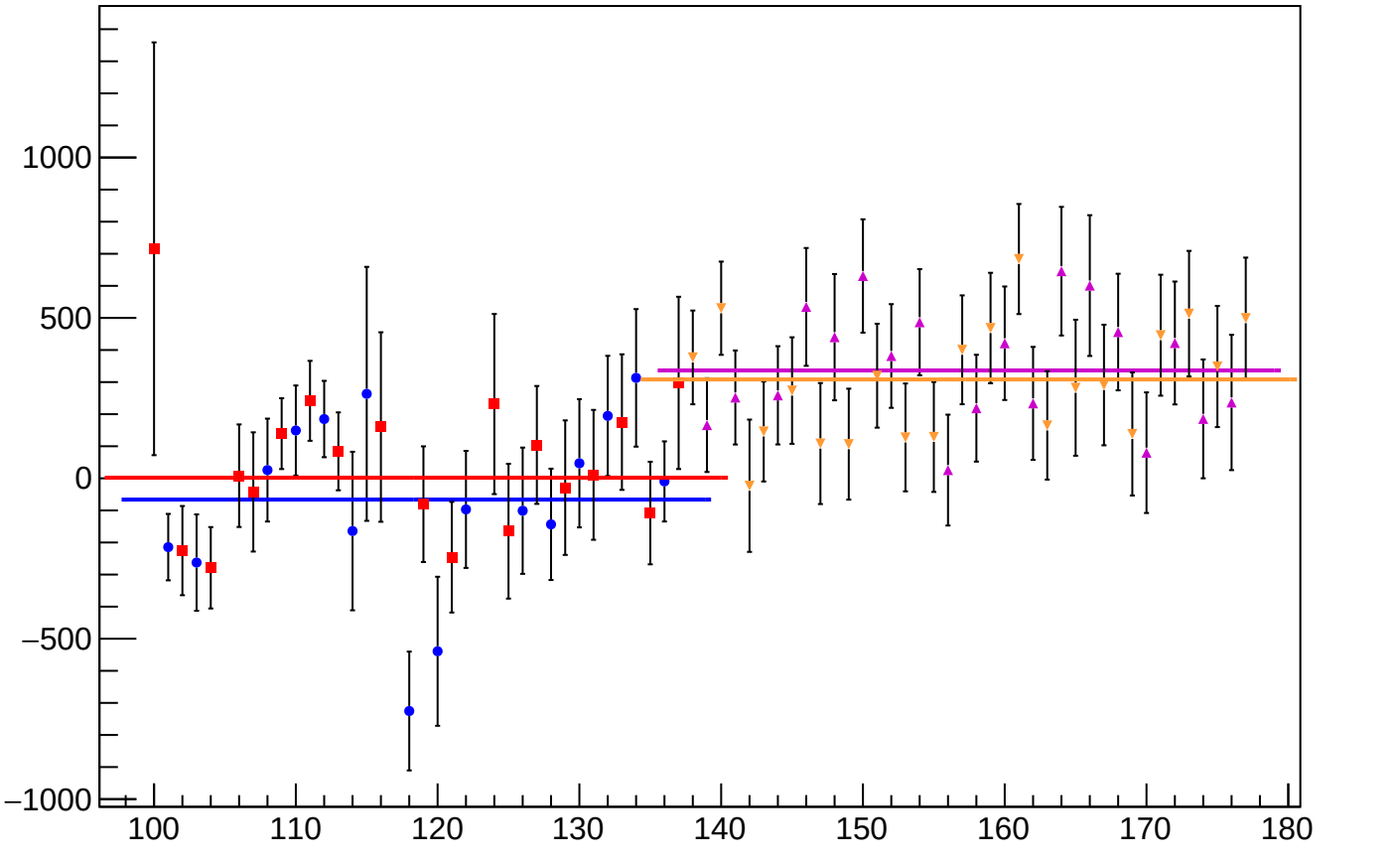
Right In: 0.000+/-0.000 χ²/NDF: 1179957.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1065159.2/20
Right Out: 0.000+/-0.000 χ²/NDF: 2635766.2/18
Left In: 0.000+/-0.000 χ²/NDF:1003237.8/18
Left: 0.000+/-0.000 χ²/NDF: 2097490.5/39
Right: 0.000+/-0.000 χ²/NDF: 3905918.0/34
In: 0.000+/-0.000 χ²/NDF:2250877.2/34
Out: 0.000+/-0.000 χ²/NDF:3701409.5/39
All: 0.000+/-0.000 χ²/NDF: 6038597.5/74



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 308.240+/-38.075 χ^2/NDF:21.2/20

Right Out: 2.017+/-38.866 χ^2/NDF: 21.1/18

Left In: 336.296+/-40.318 χ^2/NDF:18.6/18

Left: 321.466+/-27.682 χ^2/NDF: 40.0/39

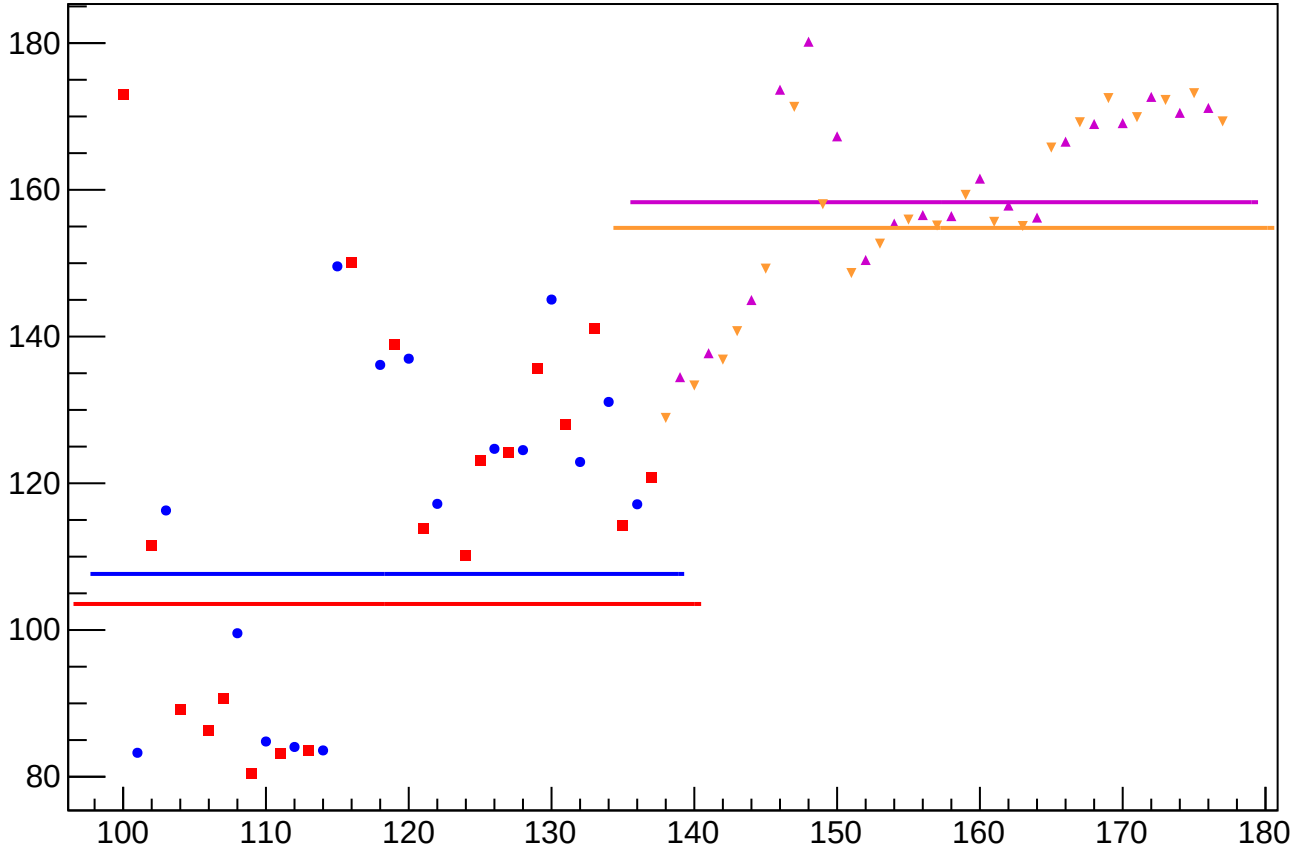
Right: -30.337+/-28.186 χ^2/NDF: 57.0/34

In: 138.101+/-28.725 χ^2/NDF:102.1/34

Out: 158.278+/-27.199 χ^2/NDF:74.0/39

All: 148.740+/-19.750 χ^2/NDF: 176.3/74

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 154.811+/-0.027 χ^2/NDF:254441.8/20

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

Left In: 158.314+/-0.029 χ^2/NDF:201993.3/18

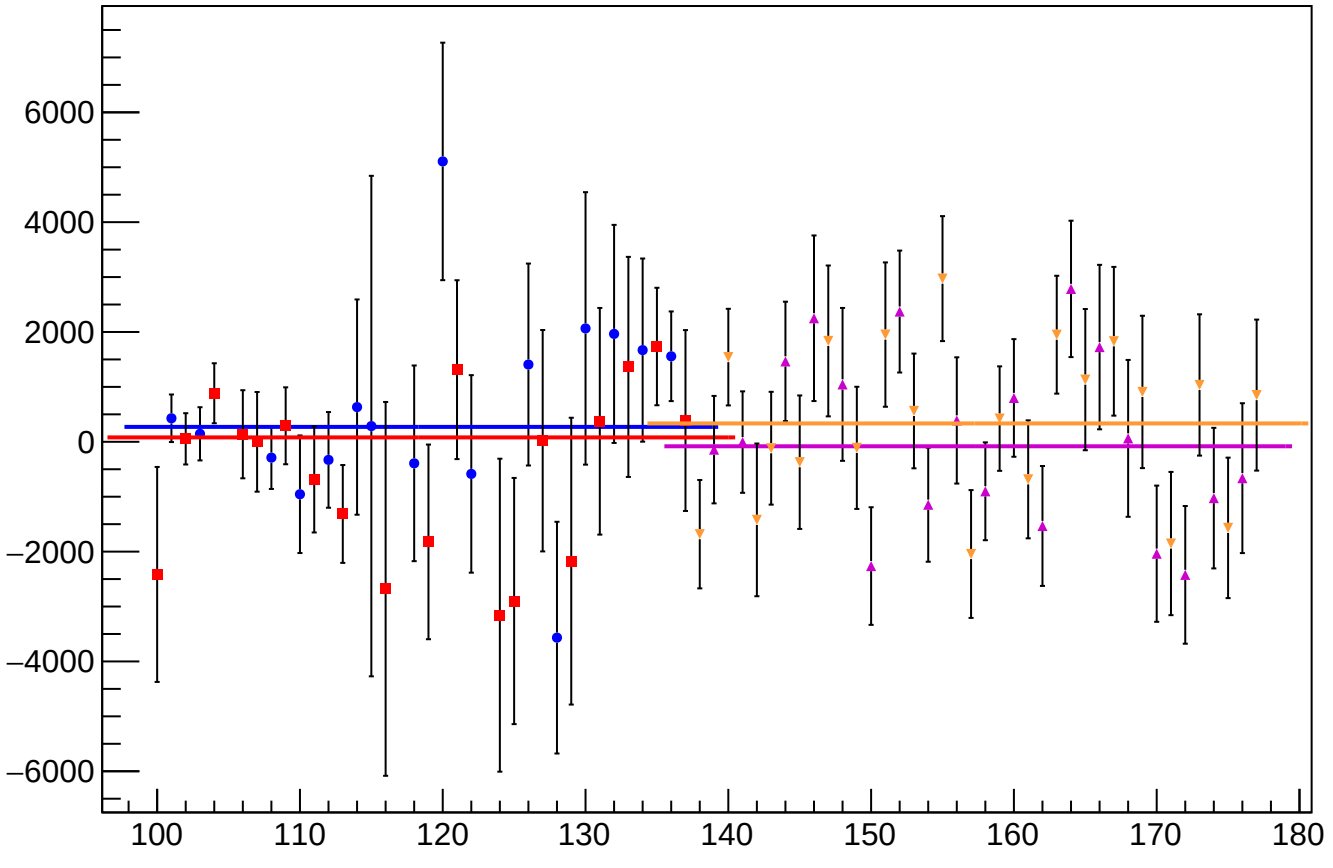
Left: 156.463+/-0.020 χ^2/NDF: 464415.1/39

Right: 105.491+/-0.020 χ^2/NDF: 1160688.9/34

In: 133.365+/-0.020 χ^2/NDF:2290214.8/34

Out: 129.708+/-0.019 χ^2/NDF:2647130.1/39

All: 131.437+/-0.014 χ^2/NDF: 4954441.2/74



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: 334.535+/-252.833 χ^2/NDF:31.1/20

Right Out: 80.094+/-232.154 χ^2/NDF: 16.0/18

Left In: -81.617+/-263.776 χ^2/NDF:32.1/18

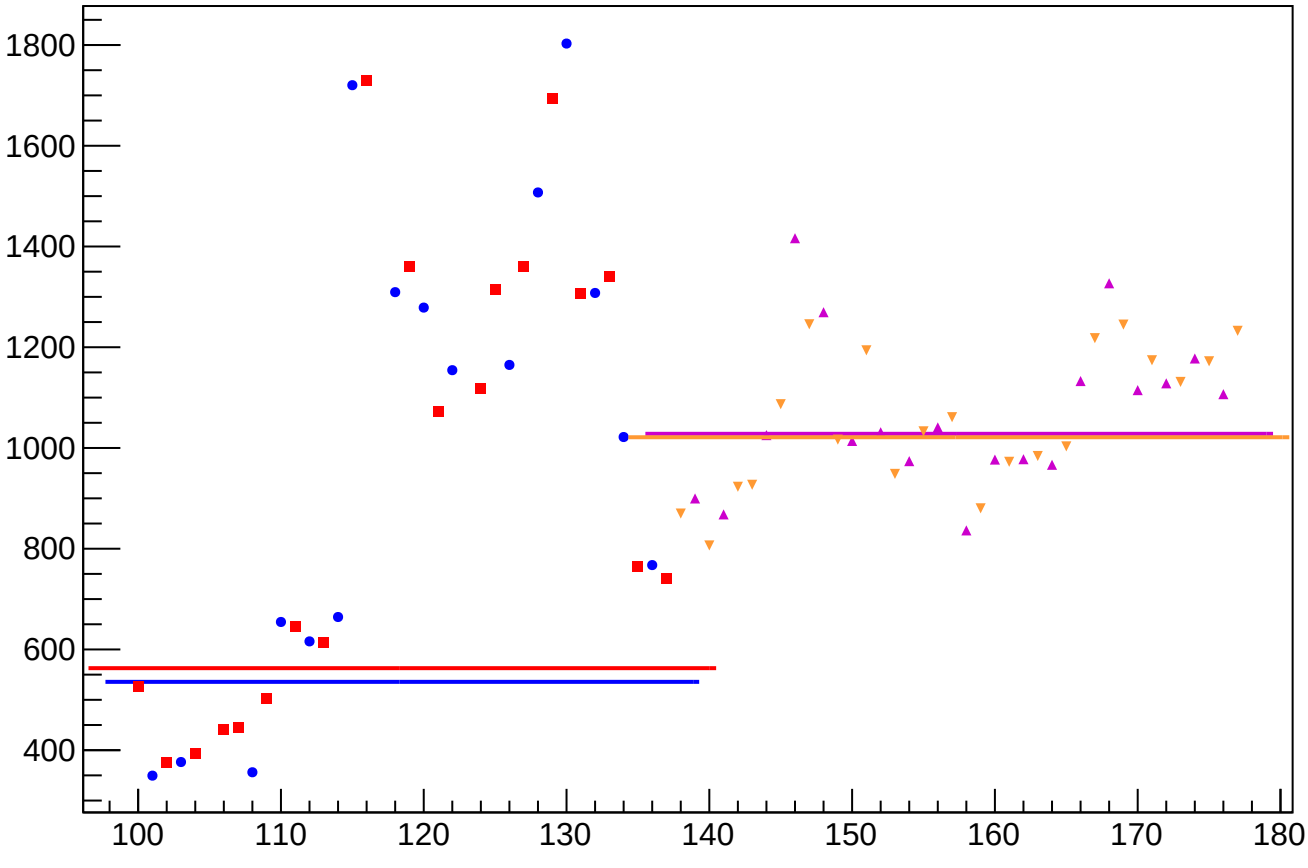
Left: 135.270+/-182.526 χ^2/NDF: 64.5/39

Right: 176.417+/-163.628 χ^2/NDF: 32.8/34

In: 118.488+/-173.637 χ^2/NDF:49.6/34

Out: 196.486+/-171.002 χ^2/NDF:47.6/39

All: 158.083+/-121.838 χ^2/NDF: 97.3/74



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 1021.287+/-0.179 χ^2/NDF:561235.9/20

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

Left In: 1028.117+/-0.187 χ^2/NDF:553416.7/18

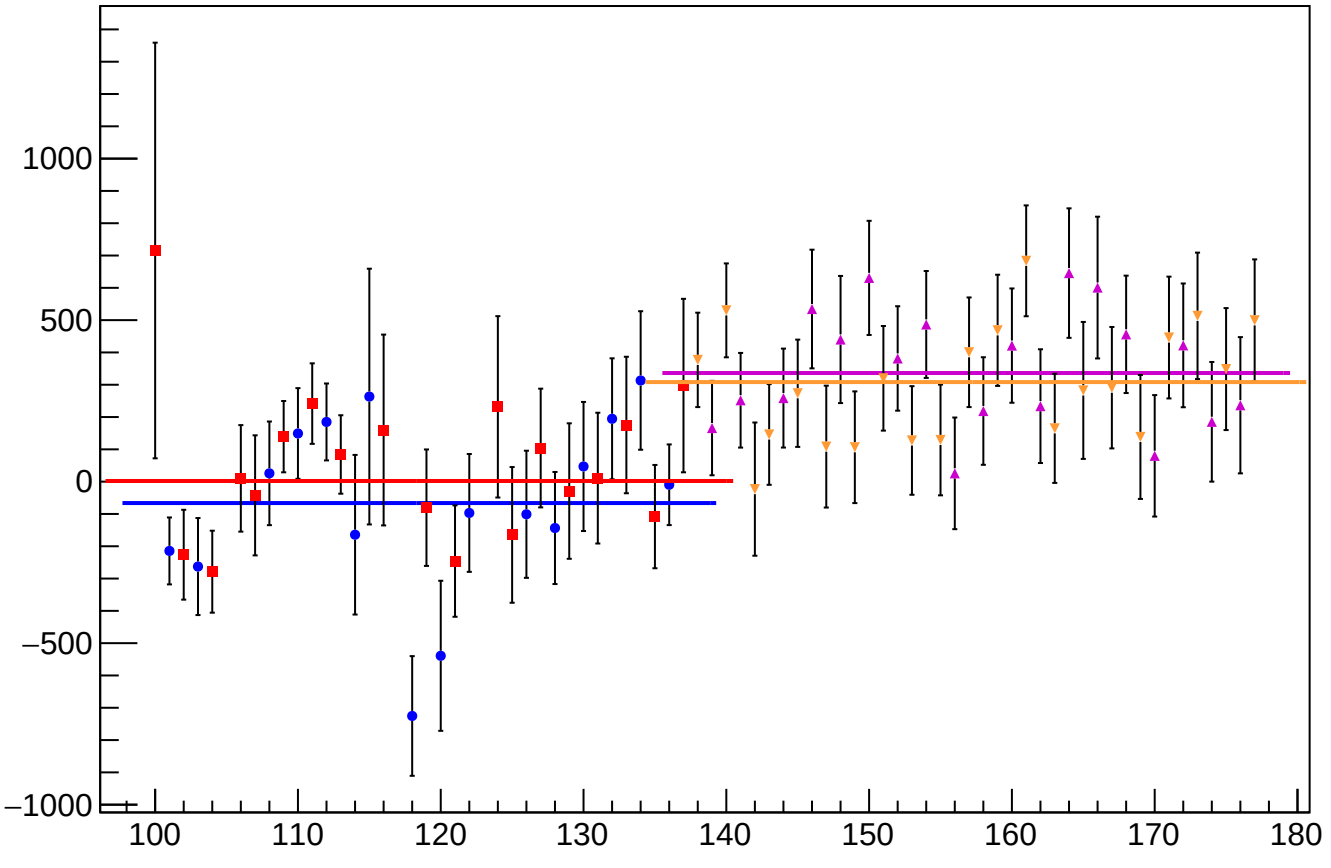
Left: 1024.557+/-0.129 χ^2/NDF: 1115351.2/39

Right: 549.176+/-0.116 χ^2/NDF: 6757198.8/34

In: 749.068+/-0.123 χ^2/NDF:8135708.4/34

Out: 772.554+/-0.121 χ^2/NDF:7239896.6/39

All: 760.991+/-0.086 χ^2/NDF: 15394181.0/74



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 308.237+/-38.075 χ^2/NDF:21.2/20

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 336.302+/-40.318 χ^2/NDF:18.6/18

Left: 321.467+/-27.682 χ^2/NDF: 40.0/39

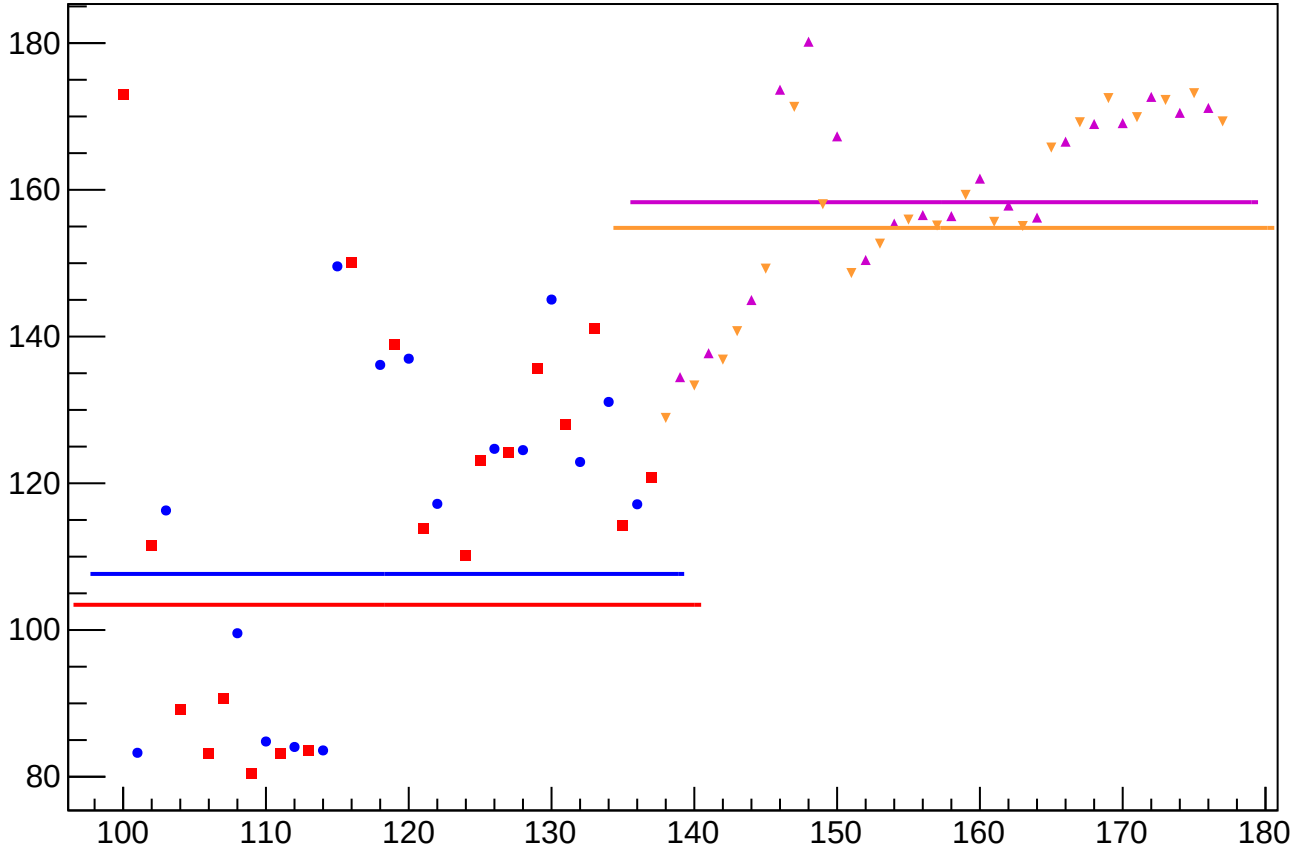
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 138.091+/-28.725 χ^2/NDF:102.1/34

Out: 158.575+/-27.223 χ^2/NDF:73.9/39

All: 148.883+/-19.759 χ^2/NDF: 176.3/74

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 154.811+/-0.027 χ^2/NDF:254441.8/20

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 158.314+/-0.029 χ^2/NDF:201993.3/18

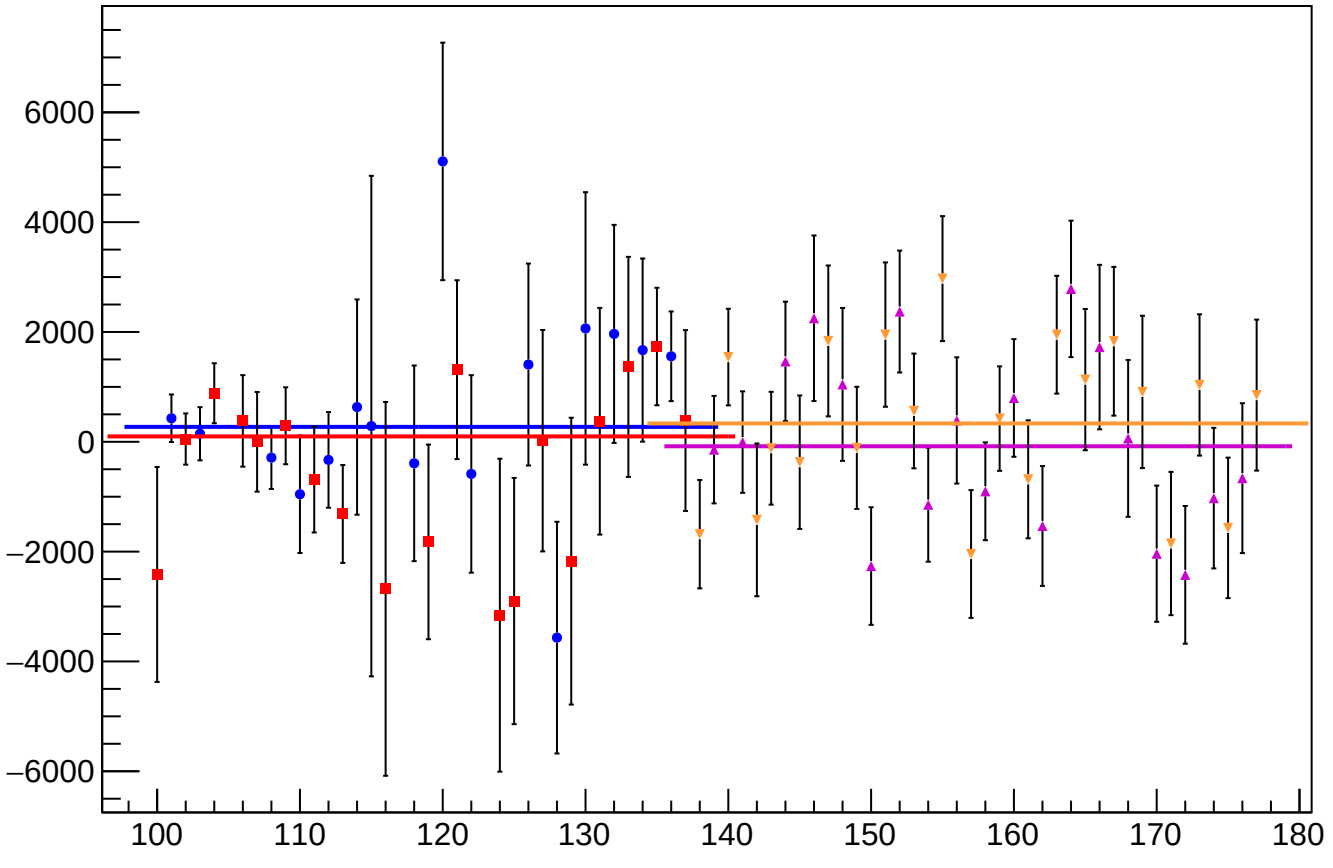
Left: 156.463+/-0.020 χ^2/NDF: 464415.1/39

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 133.365+/-0.020 χ^2/NDF:2290212.2/34

Out: 129.699+/-0.019 χ^2/NDF:2659024.0/39

All: 131.434+/-0.014 χ^2/NDF: 4966398.9/74



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 334.540+/-252.833 χ^2/NDF:31.1/20

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: -81.616+/-263.776 χ^2/NDF:32.1/18

Left: 135.274+/-182.526 χ^2/NDF: 64.5/39

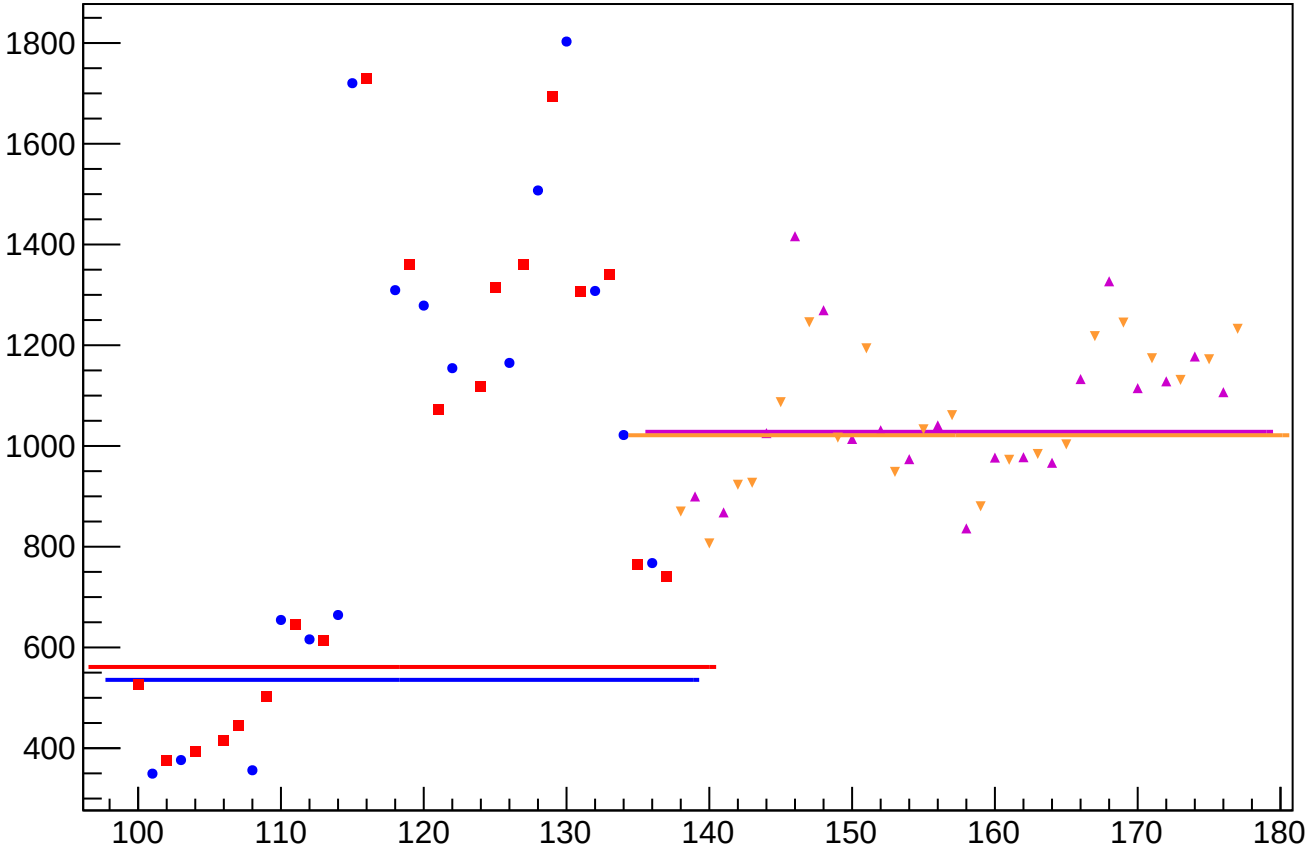
Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 118.573+/-173.634 χ^2/NDF:49.6/34

Out: 206.436+/-171.252 χ^2/NDF:47.7/39

All: 163.112+/-121.927 χ^2/NDF: 97.4/74

asym_sam6_cor_correction_rms vs Slug, Sign Corrected



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 1021.288+/-0.179 χ^2/NDF:561234.7/20

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 1028.117+/-0.187 χ^2/NDF:553414.3/18

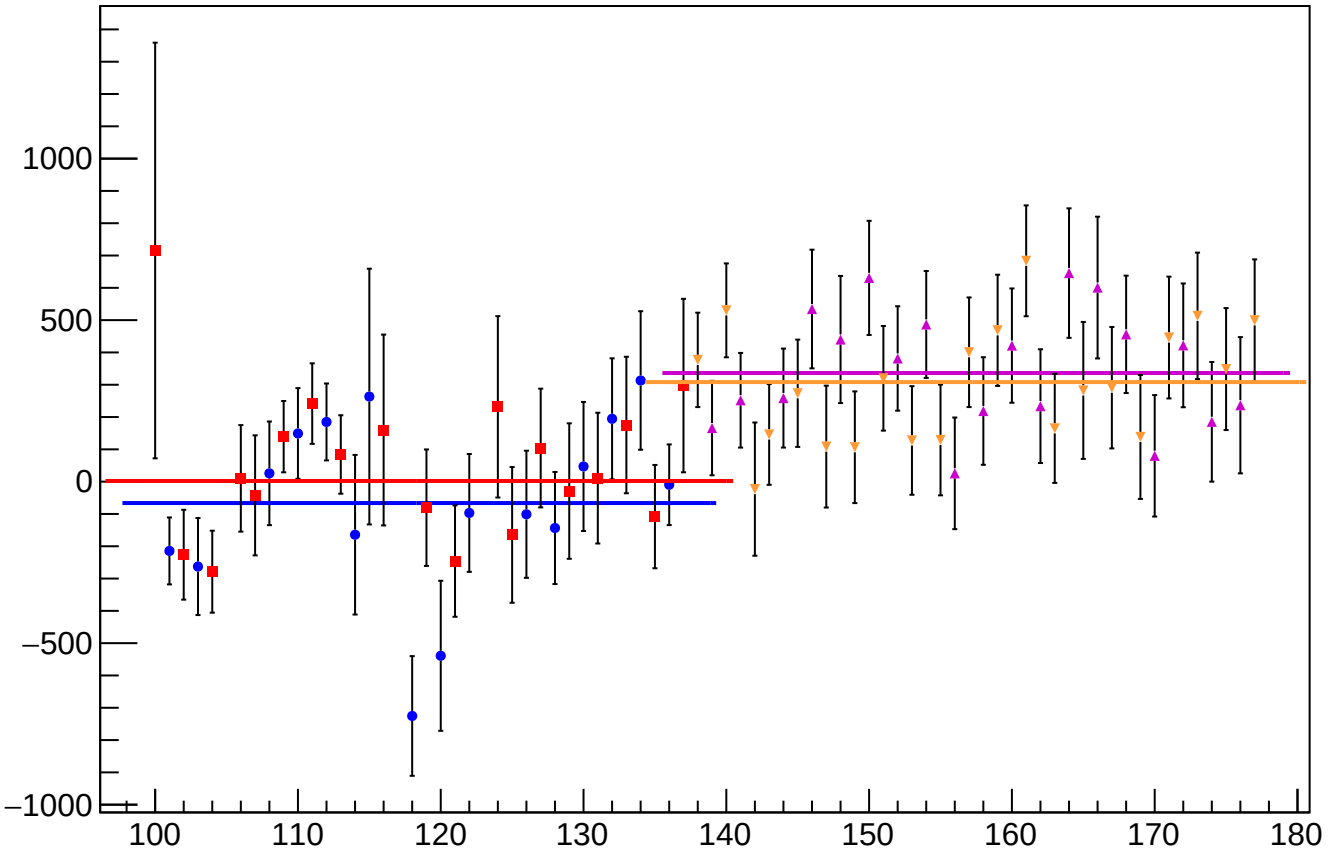
Left: 1024.558+/-0.129 χ^2/NDF: 1115347.6/39

Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 749.048+/-0.123 χ^2/NDF:8136362.3/34

Out: 772.316+/-0.121 χ^2/NDF:7275326.5/39

All: 760.843+/-0.086 χ^2/NDF: 15429893.8/74



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 308.237+/-38.075 χ^2/NDF:21.2/20

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 336.302+/-40.318 χ^2/NDF:18.6/18

Left: 321.467+/-27.682 χ^2/NDF: 40.0/39

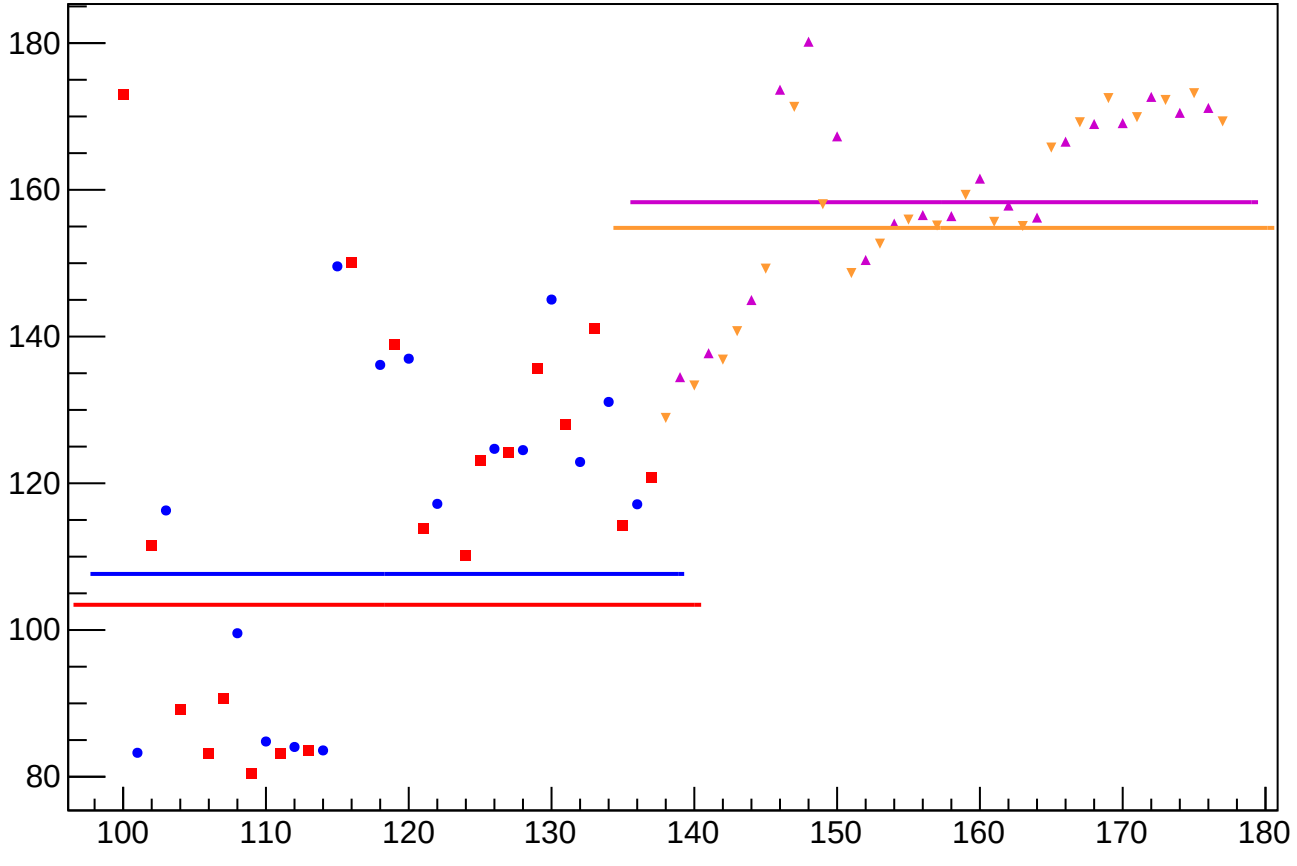
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 138.091+/-28.725 χ^2/NDF:102.1/34

Out: 158.575+/-27.223 χ^2/NDF:73.9/39

All: 148.883+/-19.759 χ^2/NDF: 176.3/74

eigen_cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 154.811+/-0.027 χ^2/NDF:254441.8/20

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 158.314+/-0.029 χ^2/NDF:201993.3/18

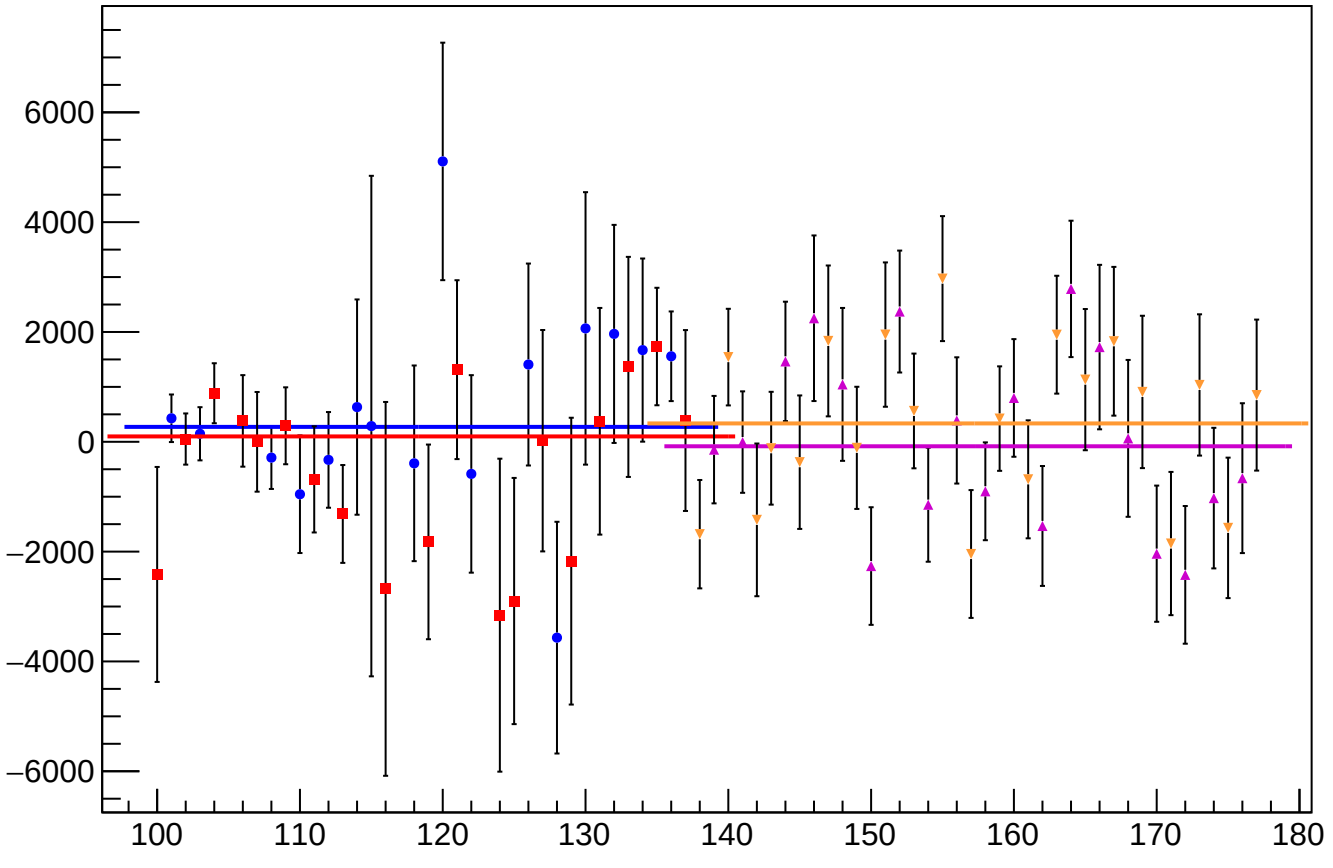
Left: 156.463+/-0.020 χ^2/NDF: 464415.1/39

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 133.365+/-0.020 χ^2/NDF:2290212.2/34

Out: 129.699+/-0.019 χ^2/NDF:2659024.0/39

All: 131.434+/-0.014 χ^2/NDF: 4966398.9/74



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 334.540+/-252.833 χ^2/NDF:31.1/20

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: -81.616+/-263.776 χ^2/NDF:32.1/18

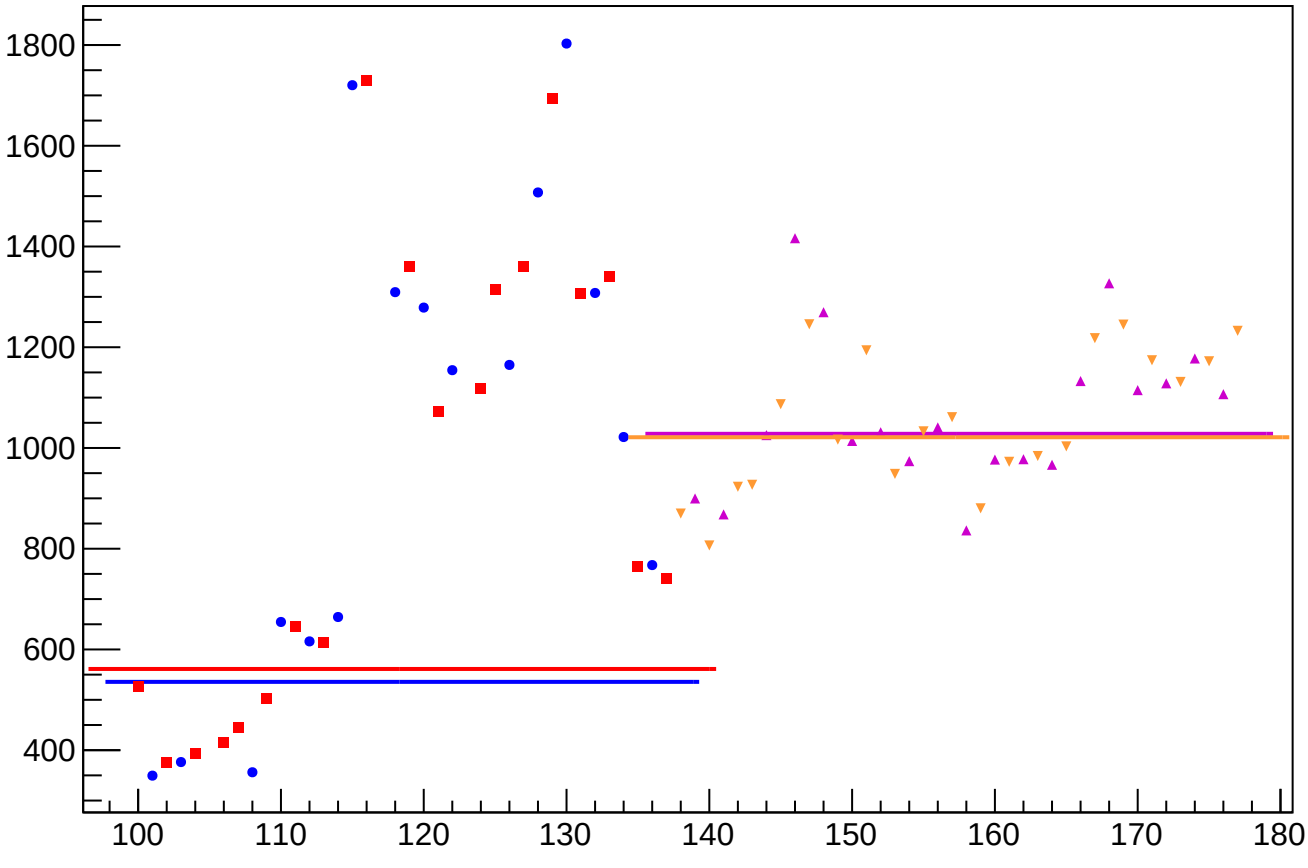
Left: 135.274+/-182.526 χ^2/NDF: 64.5/39

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 118.573+/-173.634 χ^2/NDF:49.6/34

Out: 206.436+/-171.252 χ^2/NDF:47.7/39

All: 163.112+/-121.927 χ^2/NDF: 97.4/74



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 1021.288+/-0.179 χ^2/NDF:561234.7/20

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 1028.117+/-0.187 χ^2/NDF:553414.3/18

Left: 1024.558+/-0.129 χ^2/NDF: 1115347.6/39

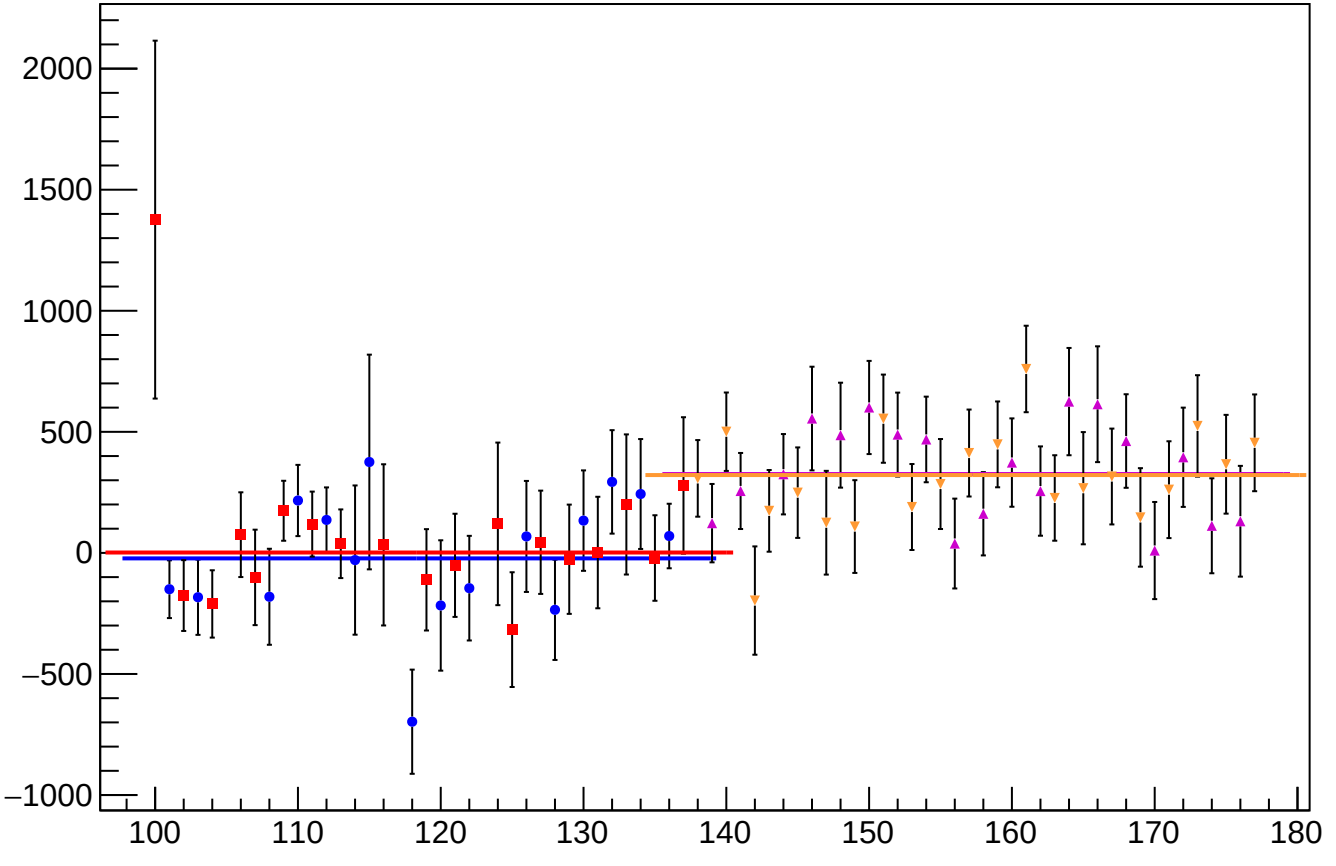
Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 749.048+/-0.123 χ^2/NDF:8136362.3/34

Out: 772.316+/-0.121 χ^2/NDF:7275326.5/39

All: 760.843+/-0.086 χ^2/NDF: 15429893.8/74

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 321.509+/-41.057 χ^2/NDF:21.2/20

Right Out: 1.600+/-43.563 χ^2/NDF: 14.3/18

Left In: 325.723+/-43.391 χ^2/NDF:18.8/18

Left: 323.500+/-29.822 χ^2/NDF: 40.1/39

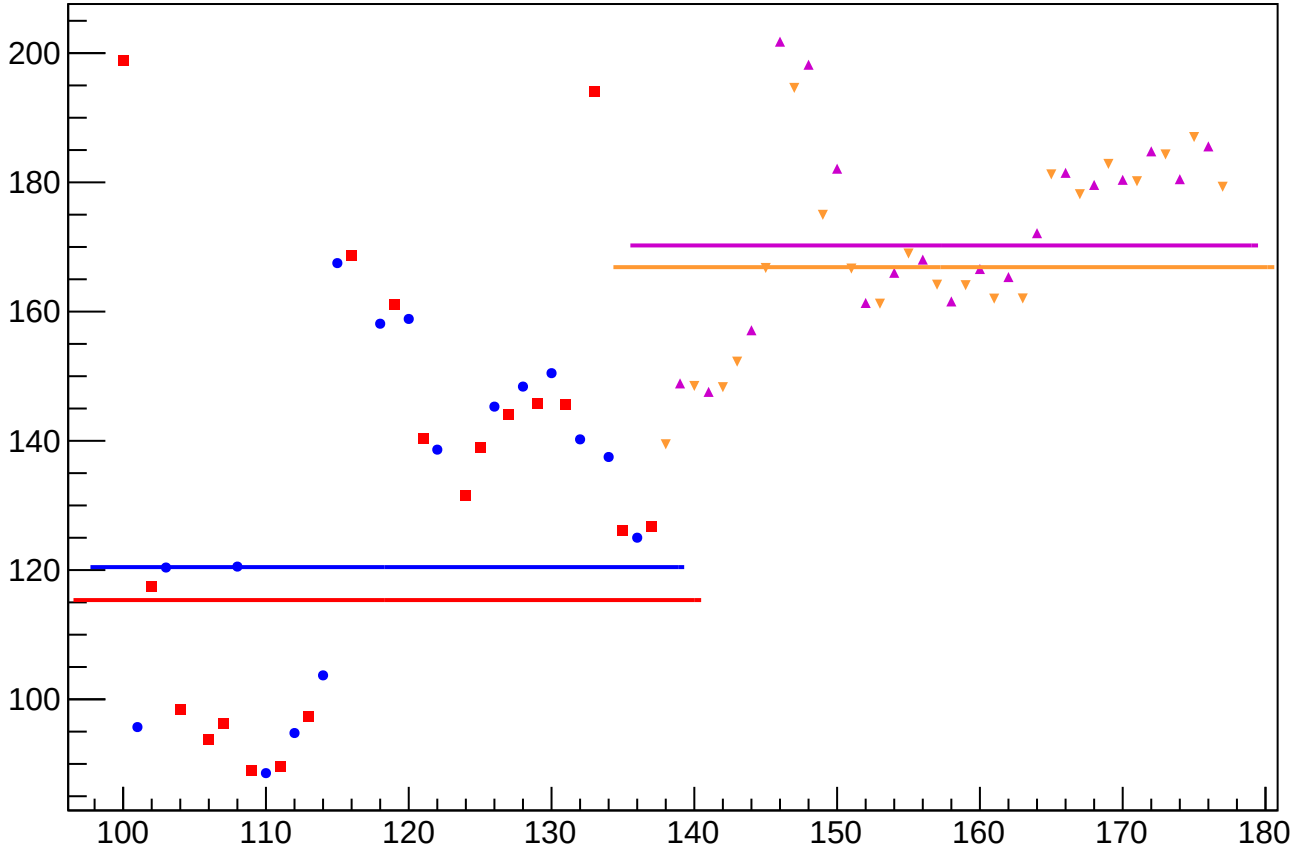
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 161.338+/-31.534 χ^2/NDF:73.4/34

Out: 171.021+/-29.878 χ^2/NDF:64.1/39

All: 166.440+/-21.689 χ^2/NDF: 137.6/74

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 166.878+/-0.029 χ^2/NDF:234453.0/20

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

Left In: 170.236+/-0.031 χ^2/NDF:226211.4/18

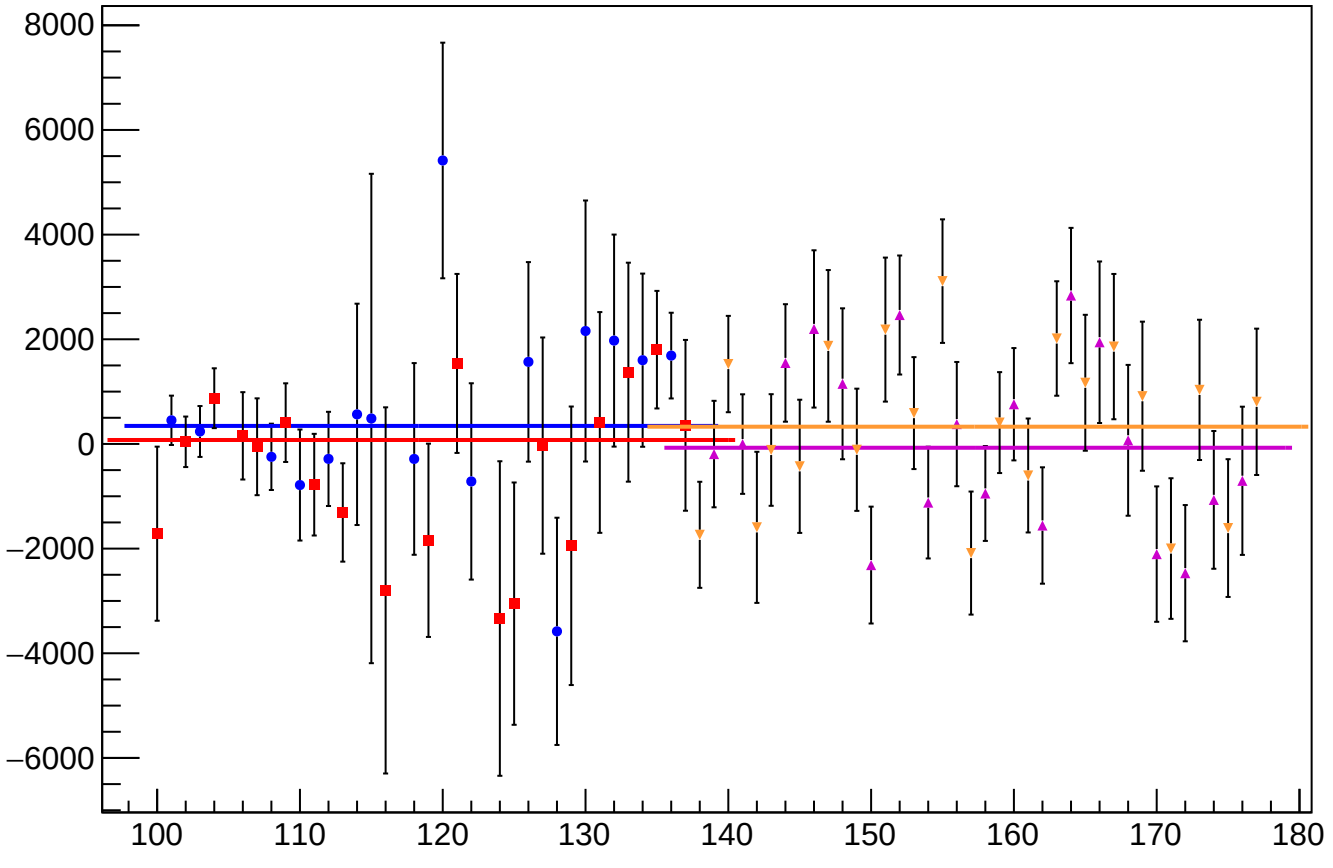
Left: 168.464+/-0.021 χ^2/NDF: 466985.8/39

Right: 117.774+/-0.022 χ^2/NDF: 1310562.3/34

In: 146.750+/-0.022 χ^2/NDF:1998466.4/34

Out: 142.642+/-0.021 χ^2/NDF:2483181.4/39

All: 144.585+/-0.015 χ^2/NDF: 4499529.6/74



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: 329.499+/-260.448 χ^2/NDF:31.6/20

Right Out: 75.434+/-240.479 χ^2/NDF: 15.3/18

Left In: -72.836+/-271.102 χ^2/NDF:31.9/18

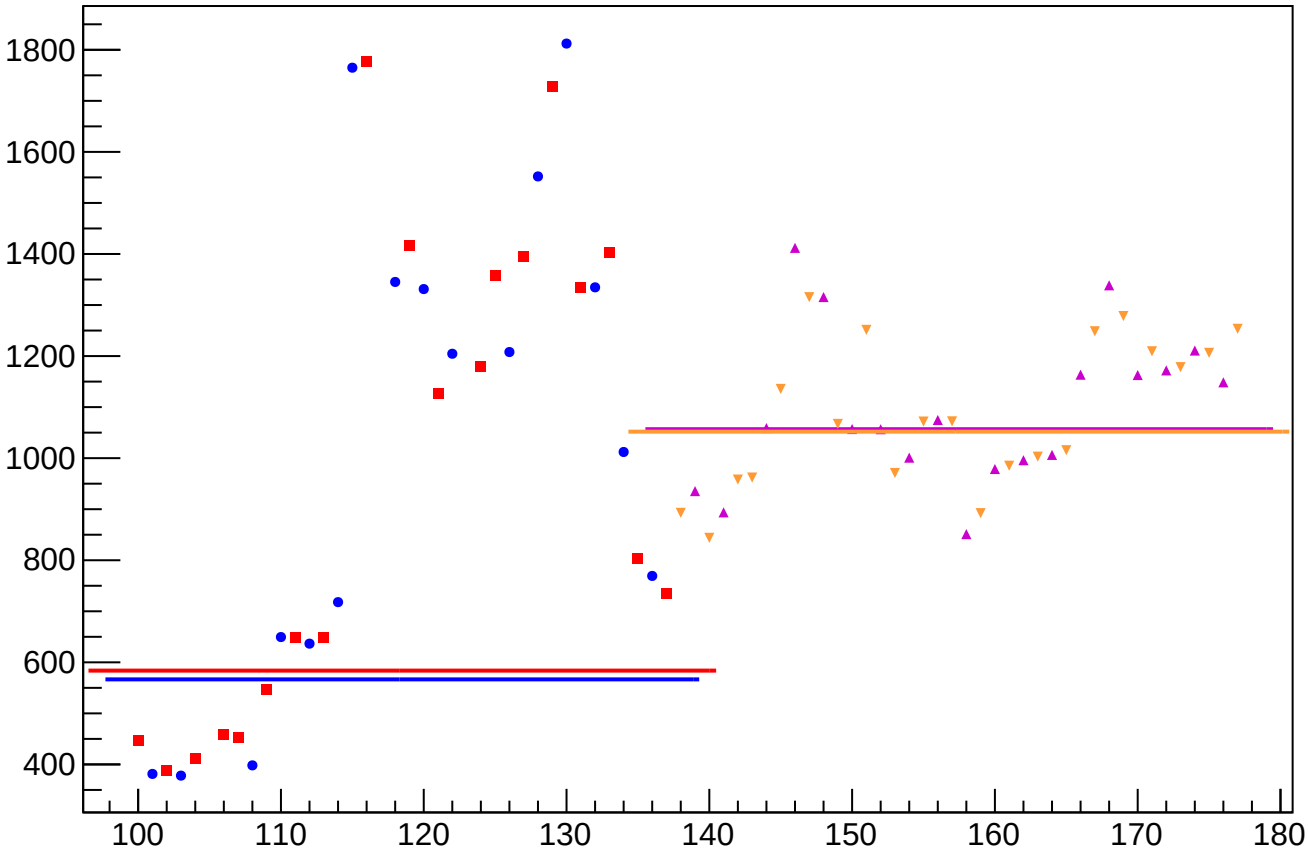
Left: 136.393+/-187.818 χ^2/NDF: 64.6/39

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 159.790+/-180.341 χ^2/NDF:49.5/34

Out: 192.355+/-176.683 χ^2/NDF:47.3/39

All: 176.406+/-126.207 χ^2/NDF: 96.8/74



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 1051.932+/-0.184 χ^2/NDF:576679.4/20

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

Left In: 1056.766+/-0.192 χ^2/NDF:542586.0/18

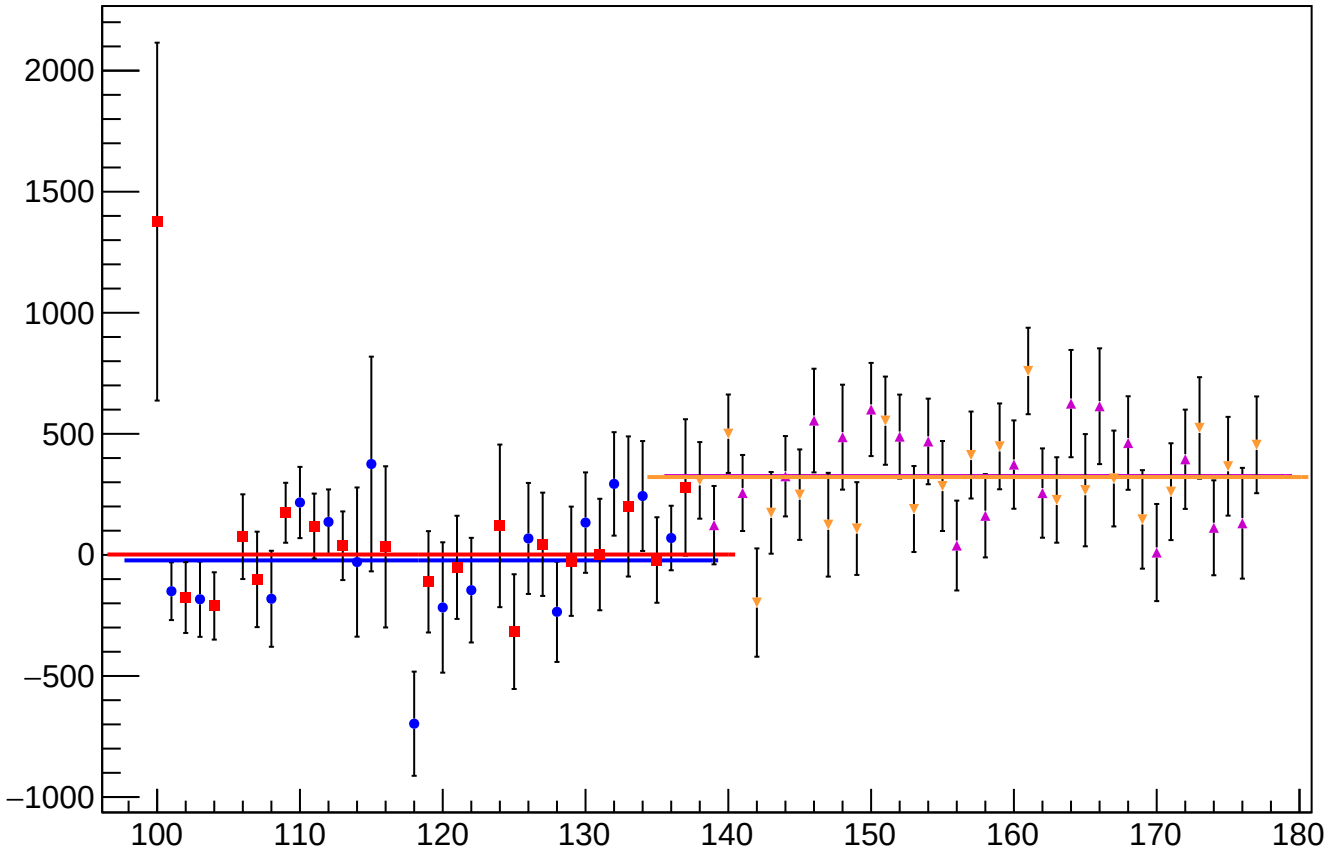
Left: 1054.252+/-0.133 χ^2/NDF: 1119596.1/39

Right: 575.236+/-0.121 χ^2/NDF: 6545041.6/34

In: 783.504+/-0.128 χ^2/NDF:7619899.9/34

Out: 799.231+/-0.125 χ^2/NDF:7172126.7/39

All: 791.528+/-0.089 χ^2/NDF: 14799787.4/74



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 321.510+/-41.057 χ^2/NDF:21.2/20

Right Out: 1.601+/-43.563 χ^2/NDF: 14.3/18

Left In: 325.724+/-43.390 χ^2/NDF:18.8/18

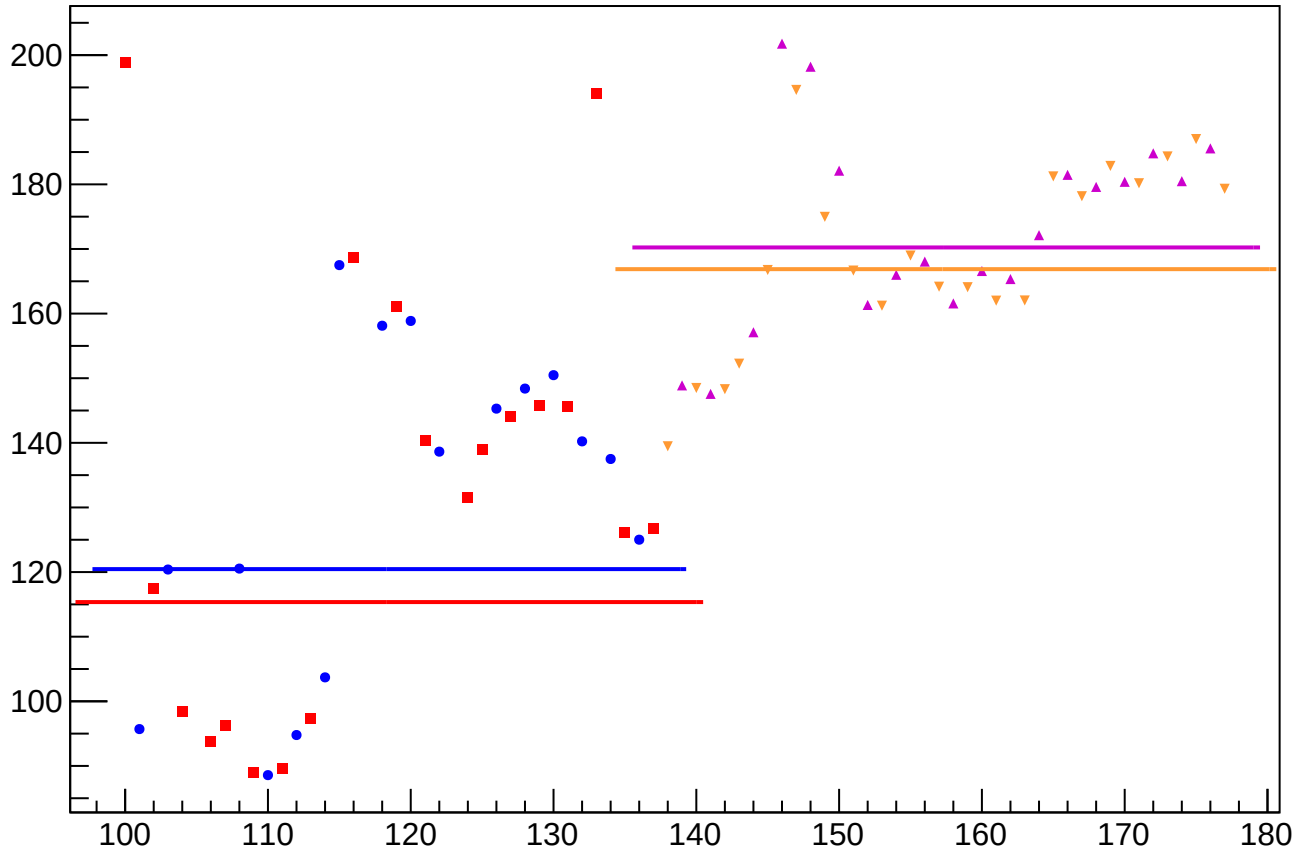
Left: 323.501+/-29.822 χ^2/NDF: 40.1/39

Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 161.337+/-31.534 χ^2/NDF:73.4/34

Out: 171.022+/-29.878 χ^2/NDF:64.1/39

All: 166.441+/-21.689 χ^2/NDF: 137.6/74



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 166.877+/-0.029 χ^2/NDF:234453.1/20

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

Left In: 170.236+/-0.031 χ^2/NDF:226211.9/18

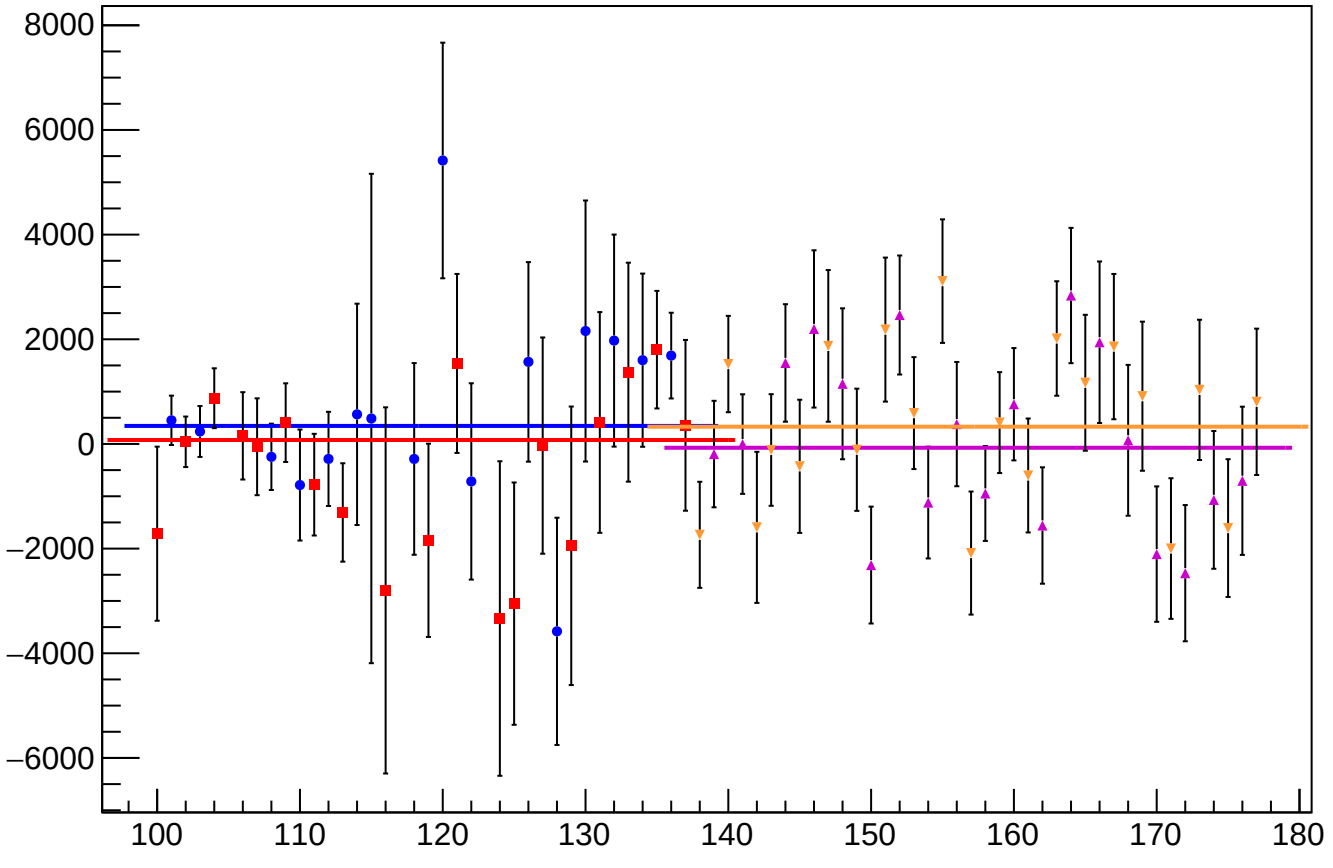
Left: 168.464+/-0.021 χ^2/NDF: 466986.5/39

Right: 117.774+/-0.022 χ^2/NDF: 1310564.2/34

In: 146.749+/-0.022 χ^2/NDF:1998478.3/34

Out: 142.642+/-0.021 χ^2/NDF:2483184.5/39

All: 144.585+/-0.015 χ^2/NDF: 4499544.3/74



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: 329.500+/-260.448 χ^2/NDF:31.6/20

Right Out: 75.435+/-240.479 χ^2/NDF: 15.3/18

Left In: -72.836+/-271.102 χ^2/NDF:31.9/18

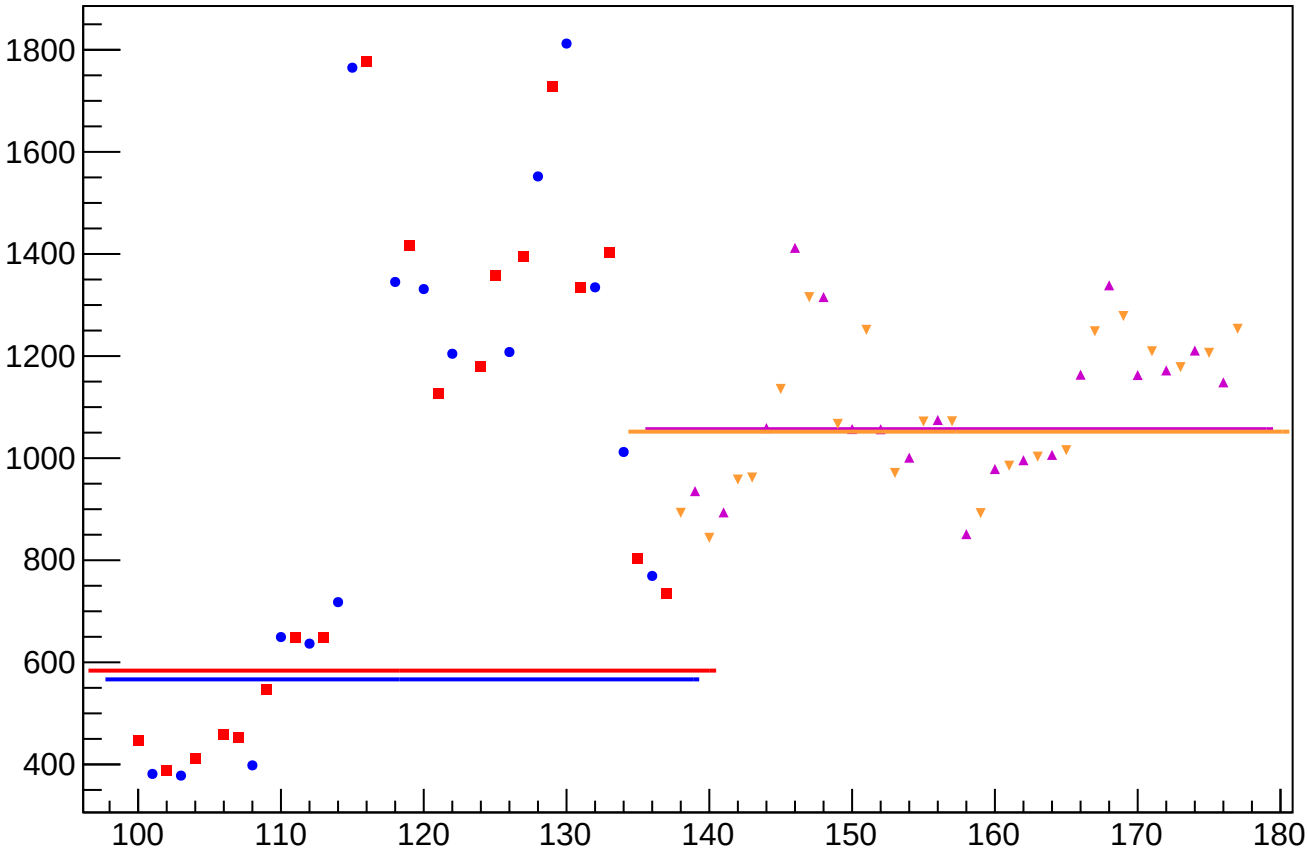
Left: 136.393+/-187.818 χ^2/NDF: 64.6/39

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 159.790+/-180.341 χ^2/NDF:49.5/34

Out: 192.356+/-176.683 χ^2/NDF:47.3/39

All: 176.407+/-126.207 χ^2/NDF: 96.8/74



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 1051.932+/-0.184 χ^2/NDF:576684.5/20

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

Left In: 1056.766+/-0.192 χ^2/NDF:542589.8/18

Left: 1054.252+/-0.133 χ^2/NDF: 1119604.9/39

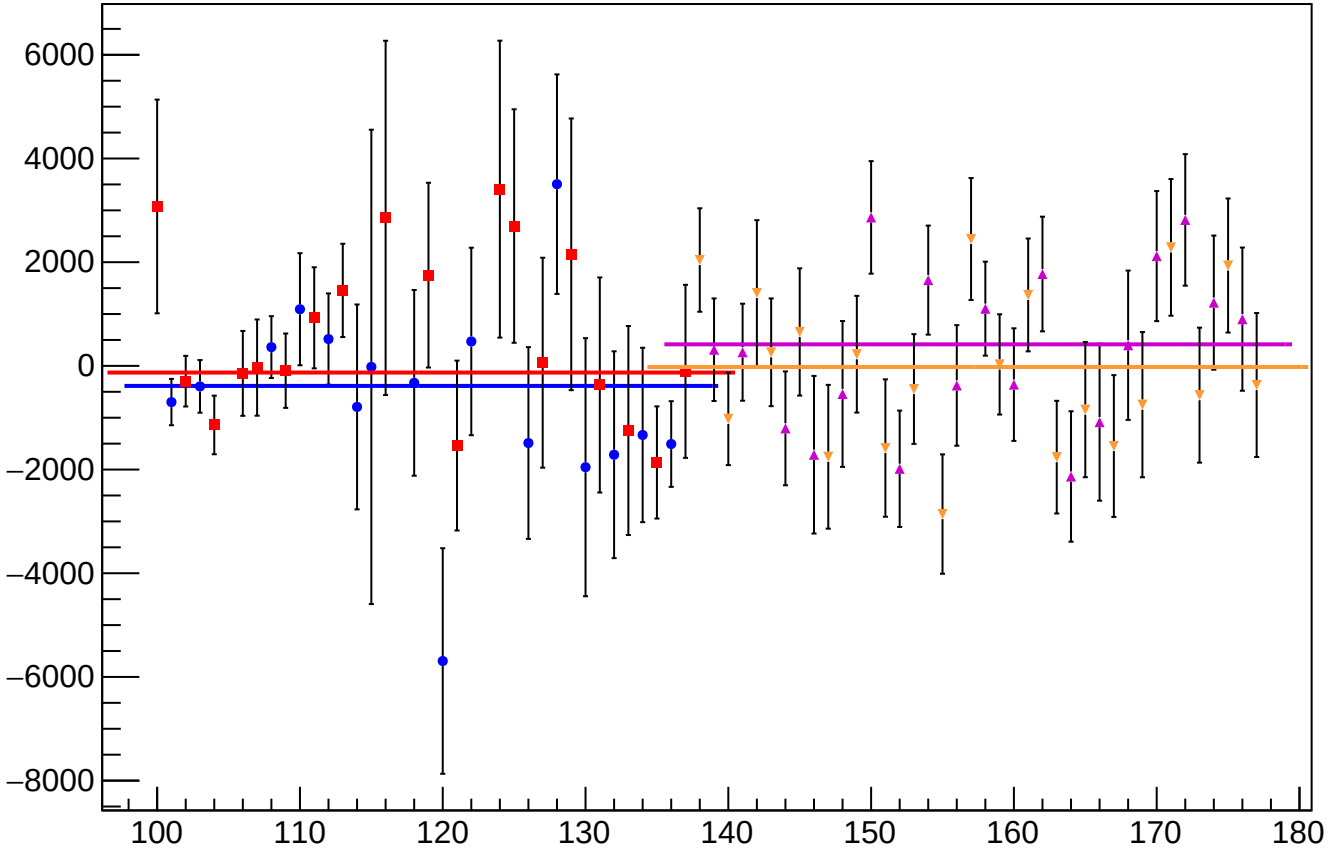
Right: 575.236+/-0.121 χ^2/NDF: 6545046.5/34

In: 783.503+/-0.128 χ^2/NDF:7619921.3/34

Out: 799.230+/-0.125 χ^2/NDF:7172143.4/39

All: 791.528+/-0.089 χ^2/NDF: 14799825.8/74

asym_sam6_mean vs Slug, Sign Corrected



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: -21.782+/-255.804 χ^2/NDF:32.3/20

Right Out: -128.583+/-238.241 χ^2/NDF: 19.4/18

Left In: 415.483+/-266.981 χ^2/NDF:29.8/18

Left: 187.507+/-184.706 χ^2/NDF: 63.4/39

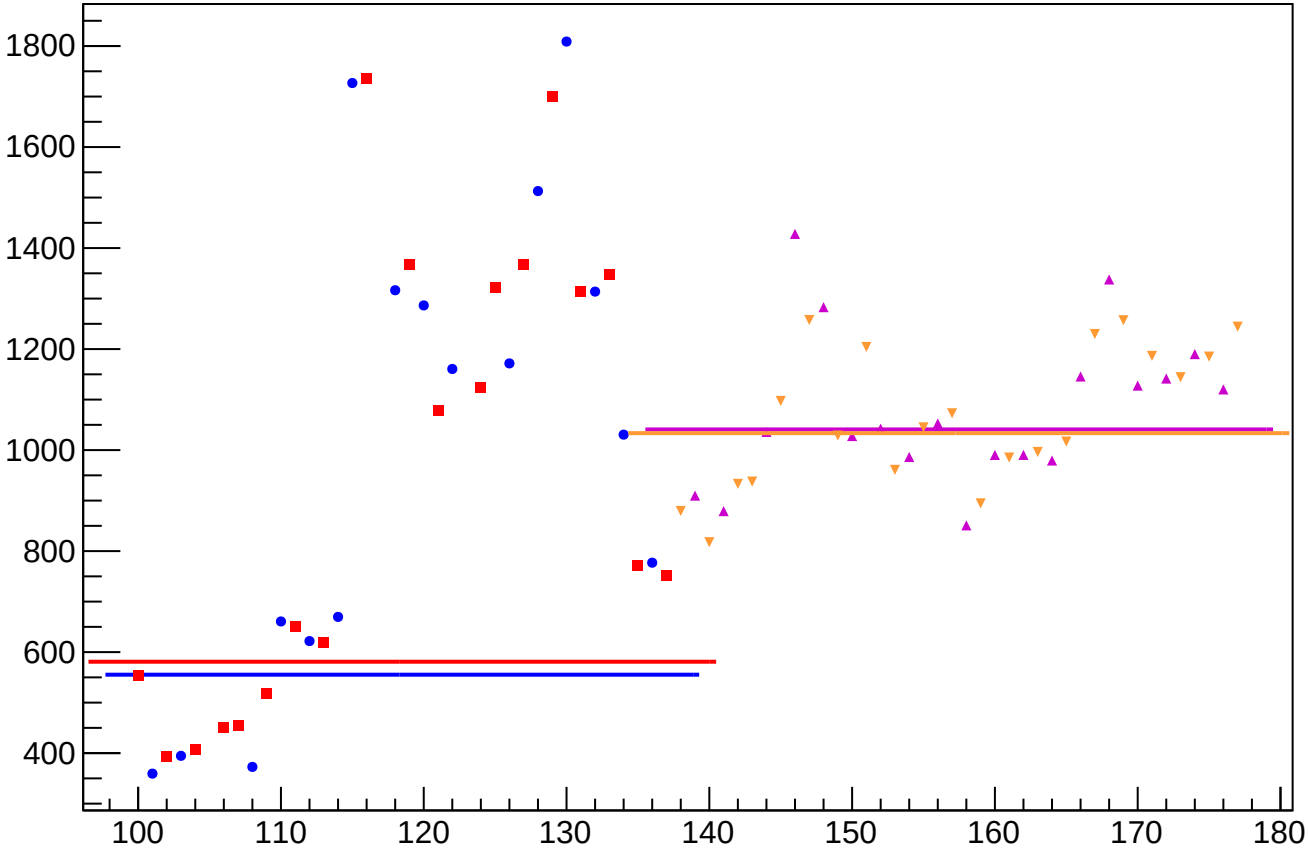
Right: -257.941+/-168.208 χ^2/NDF: 37.9/34

In: -32.187+/-177.459 χ^2/NDF:52.7/34

Out: -78.975+/-174.340 χ^2/NDF:51.8/39

All: -55.995+/-124.365 χ^2/NDF: 104.5/74

asym_sam6_rms vs Slug, Sign Corrected



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 1033.551+/-0.181 χ^2/NDF:549922.7/20

Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 1040.902+/-0.189 χ^2/NDF:540821.1/18

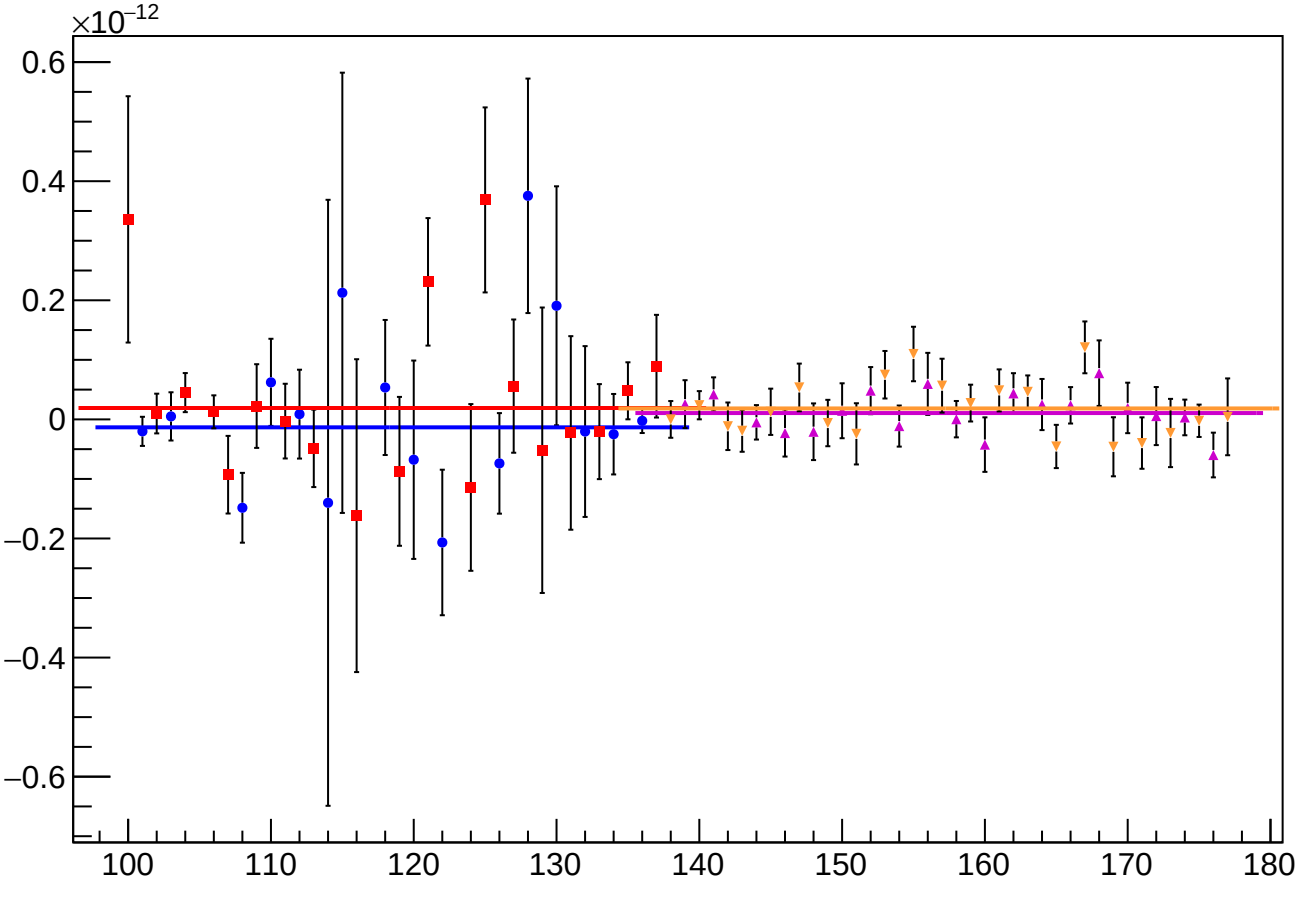
Left: 1037.069+/-0.131 χ^2/NDF: 1091534.3/39

Right: 568.105+/-0.119 χ^2/NDF: 6477767.0/34

In: 769.840+/-0.125 χ^2/NDF:7716735.8/34

Out: 791.205+/-0.123 χ^2/NDF:6885616.8/39

All: 780.712+/-0.088 χ^2/NDF: 14617104.3/74



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

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

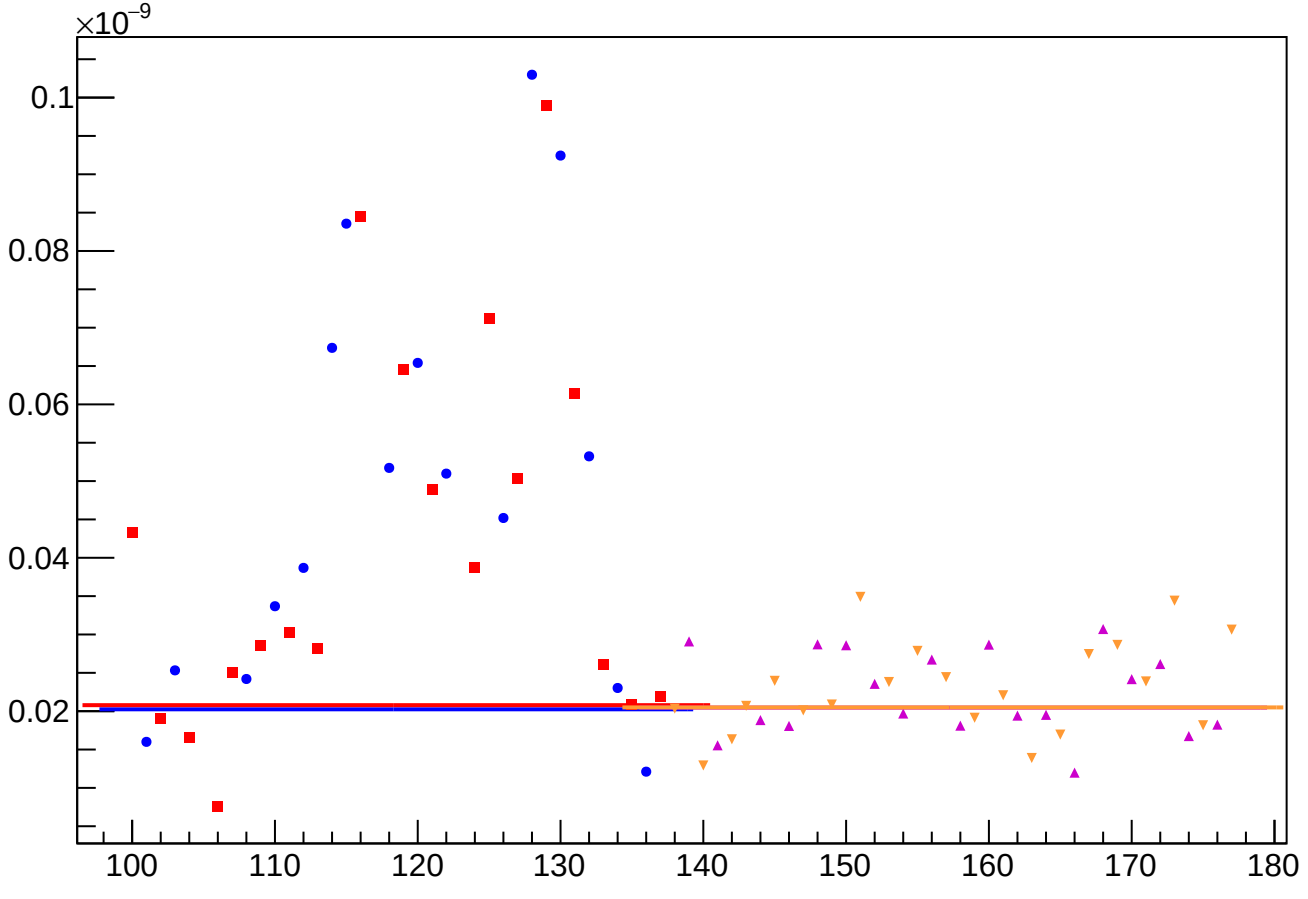
Left: 0.000+/-0.000 χ^2/NDF: 39.1/39

Right: 0.000+/-0.000 χ^2/NDF: 38.7/34

In: 0.000+/-0.000 χ^2/NDF:31.1/34

Out: 0.000+/-0.000 χ^2/NDF:45.7/39

All: 0.000+/-0.000 χ^2/NDF: 79.2/74



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:921211.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1855885.9/18

Left In: 0.000+/-0.000 χ^2/NDF:711869.0/18

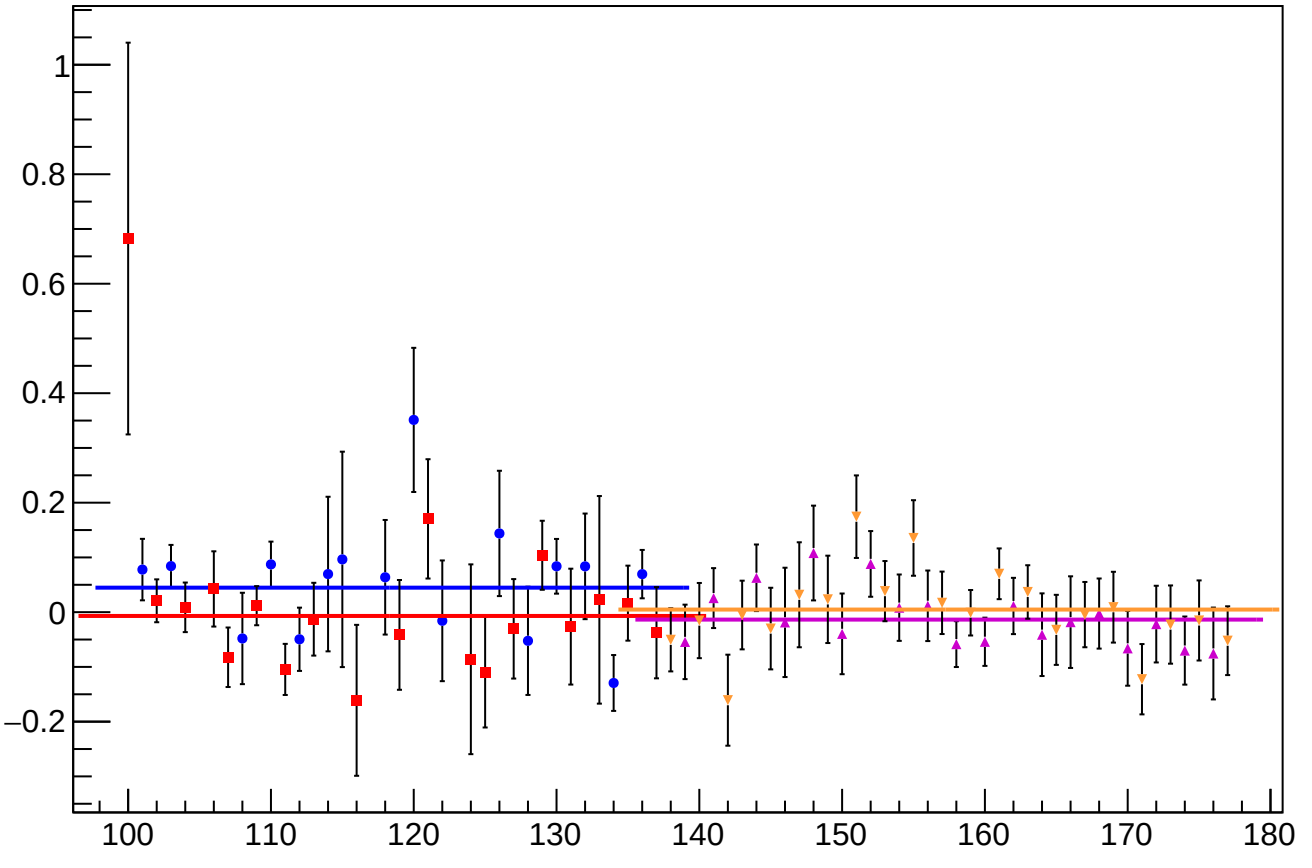
Left: 0.000+/-0.000 χ^2/NDF: 1633089.6/39

Right: 0.000+/-0.000 χ^2/NDF: 3862189.3/34

In: 0.000+/-0.000 χ^2/NDF:2716953.8/34

Out: 0.000+/-0.000 χ^2/NDF:2777768.6/39

All: 0.000+/-0.000 χ^2/NDF: 5495283.5/74



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.005+/-0.013 χ^2/NDF:22.2/20

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.014+/-0.014 χ^2/NDF:12.1/18

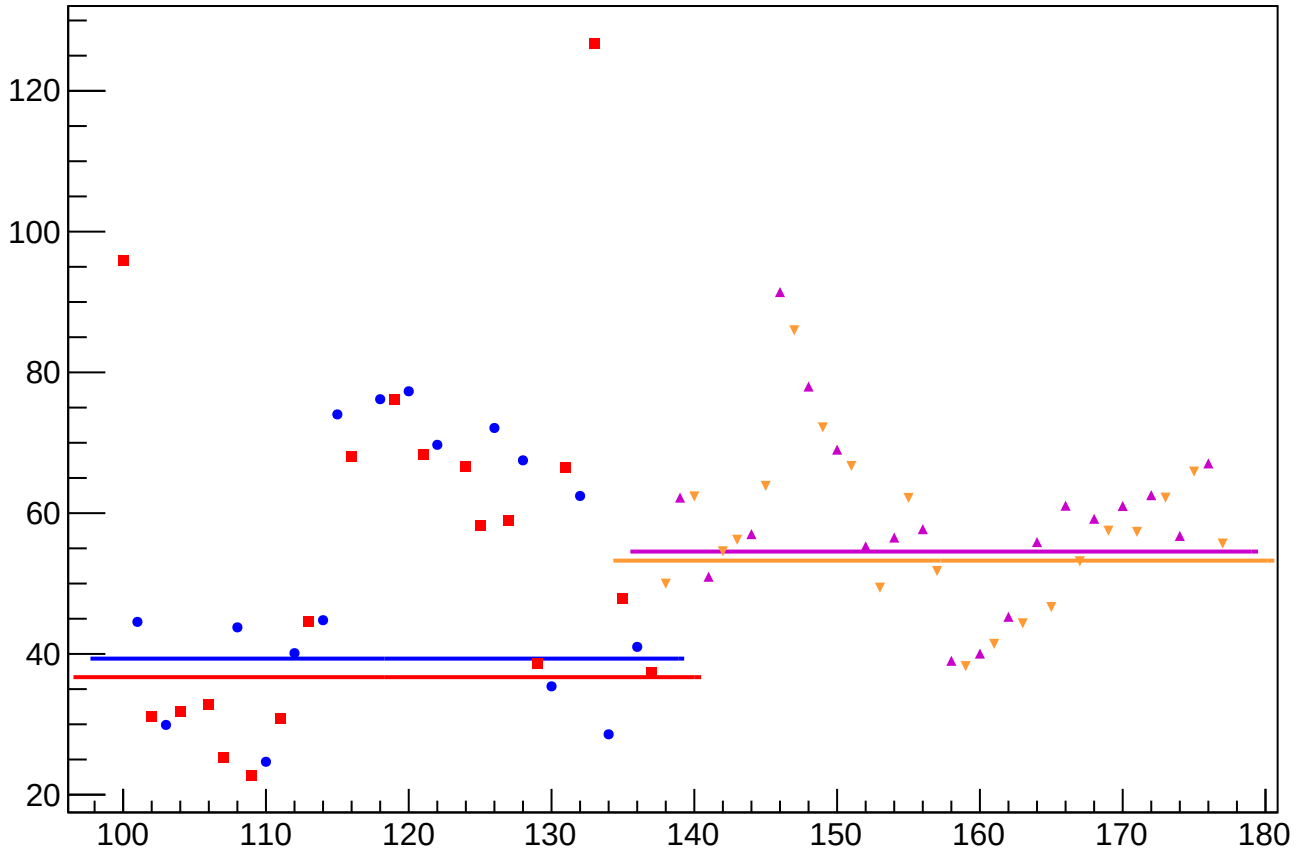
Left: -0.004+/-0.010 χ^2/NDF: 35.1/39

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.012+/-0.011 χ^2/NDF:46.1/34

Out: -0.000+/-0.010 χ^2/NDF:42.7/39

All: 0.006+/-0.007 χ^2/NDF: 89.5/74



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 53.257+/-0.010 χ^2/NDF:1130051.5/20

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 54.544+/-0.010 χ^2/NDF:1212146.8/18

Left: 53.863+/-0.007 χ^2/NDF: 2350743.9/39

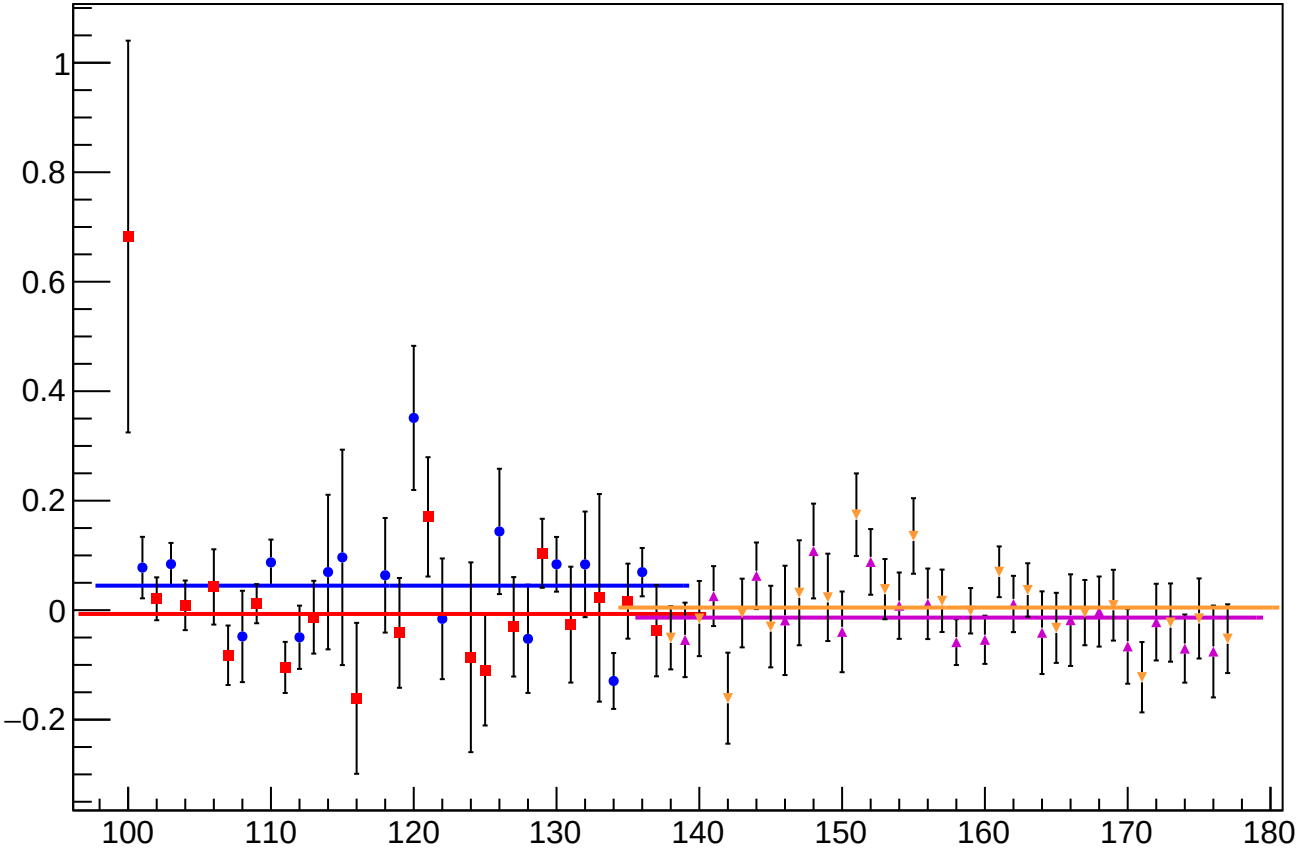
Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 47.788+/-0.008 χ^2/NDF:3780362.4/34

Out: 45.908+/-0.007 χ^2/NDF:4562313.7/39

All: 46.793+/-0.005 χ^2/NDF: 8375471.2/74

asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.005+/-0.013 χ^2/NDF:22.2/20

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.014+/-0.014 χ^2/NDF:12.1/18

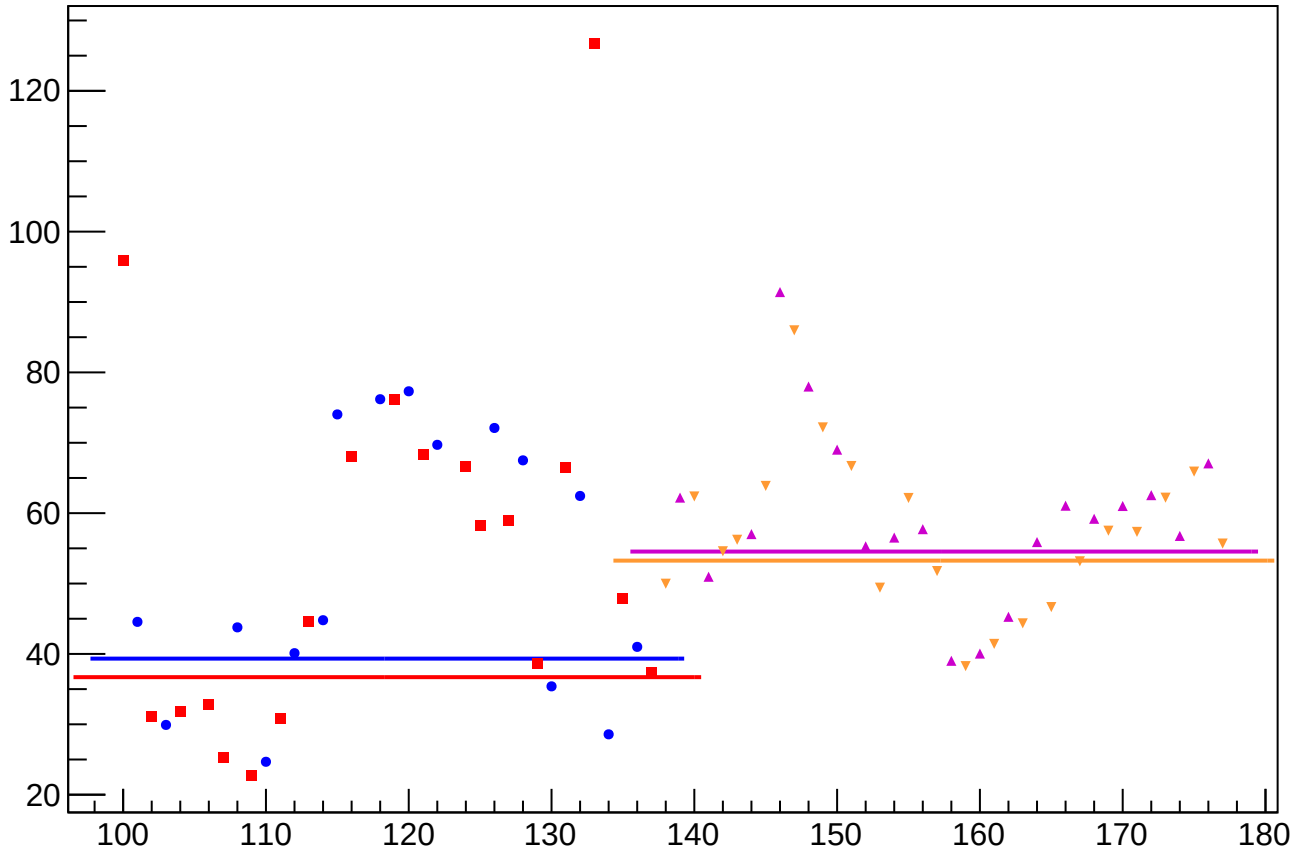
Left: -0.004+/-0.010 χ^2/NDF: 35.1/39

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.012+/-0.011 χ^2/NDF:46.1/34

Out: -0.000+/-0.010 χ^2/NDF:42.7/39

All: 0.006+/-0.007 χ^2/NDF: 89.5/74



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 53.257+/-0.010 χ^2/NDF:1130051.5/20

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 54.544+/-0.010 χ^2/NDF:1212146.8/18

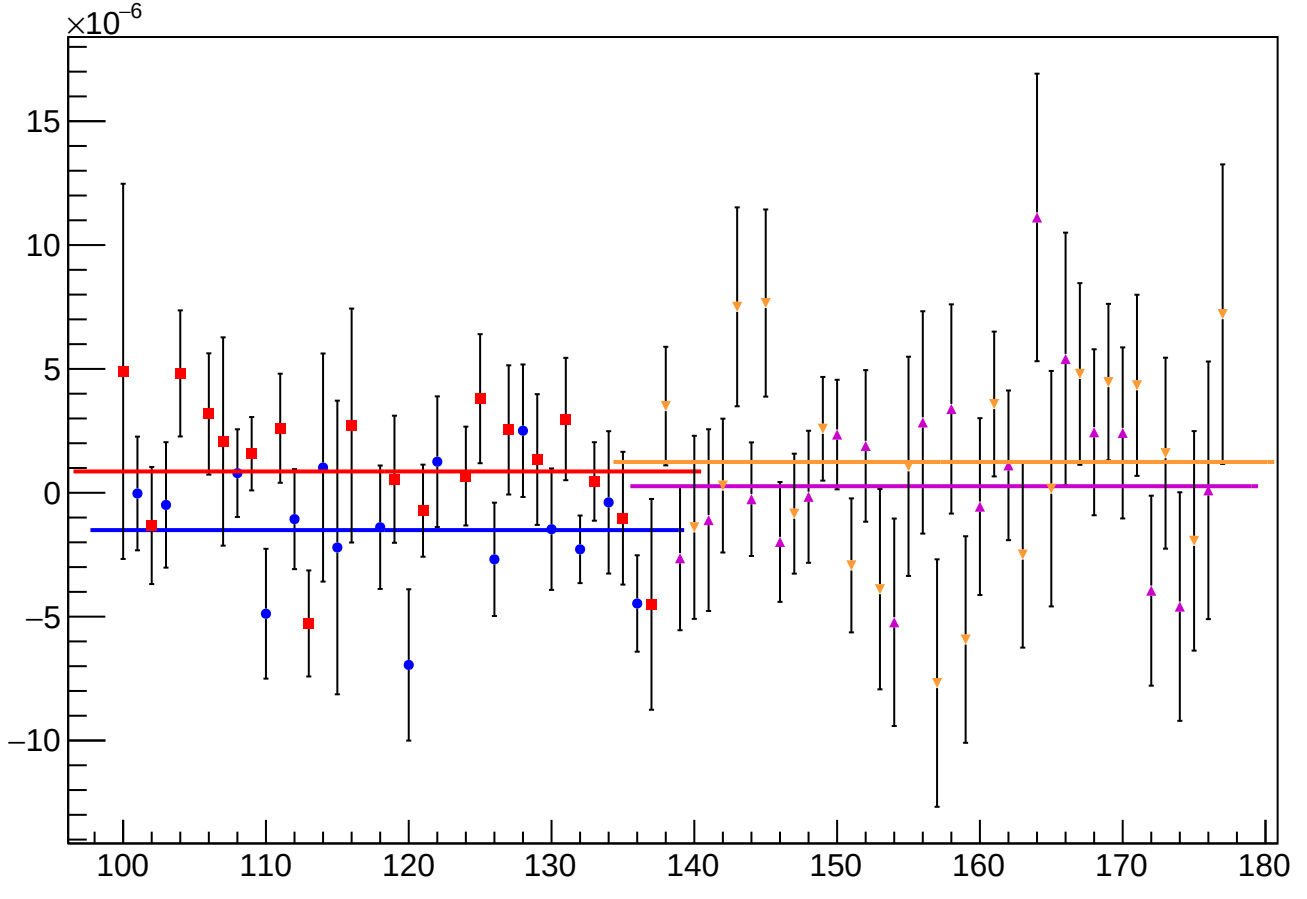
Left: 53.863+/-0.007 χ^2/NDF: 2350743.9/39

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 47.788+/-0.008 χ^2/NDF:3780362.4/34

Out: 45.908+/-0.007 χ^2/NDF:4562313.7/39

All: 46.793+/-0.005 χ^2/NDF: 8375471.2/74



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.0/20

Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/18

Left In: 0.000+/-0.000 χ^2/NDF:13.6/18

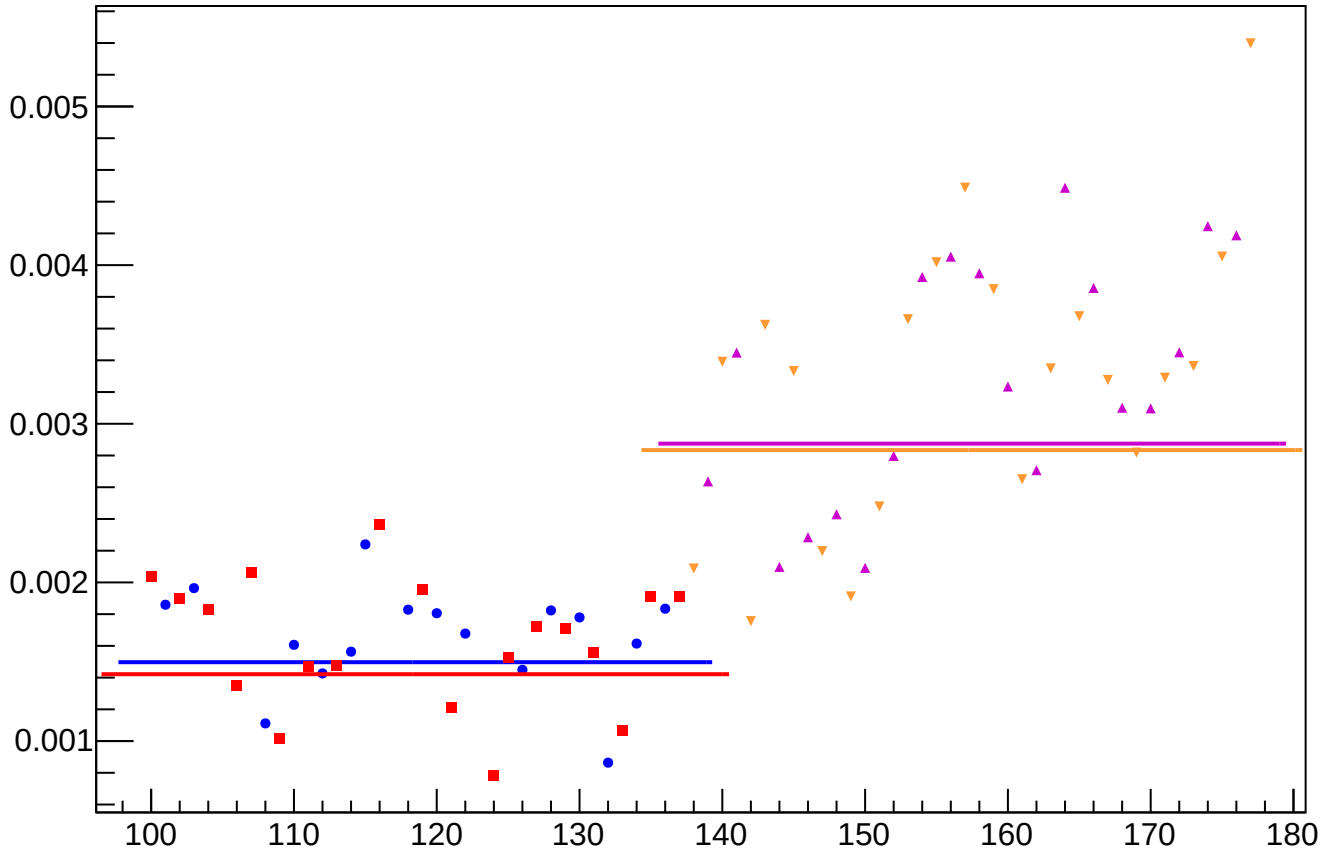
Left: 0.000+/-0.000 χ^2/NDF: 38.5/39

Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

In: -0.000+/-0.000 χ^2/NDF:30.9/34

Out: 0.000+/-0.000 χ^2/NDF:43.3/39

All: 0.000+/-0.000 χ^2/NDF: 82.8/74



Right In: 0.001+/-0.000 χ^2/NDF: 867330.7/15

Left Out: 0.003+/-0.000 χ^2/NDF:2514075.4/20

Right Out: 0.001+/-0.000 χ^2/NDF: 998047.4/18

Left In: 0.003+/-0.000 χ^2/NDF:1733585.9/18

Left: 0.003+/-0.000 χ^2/NDF: 4250677.3/39

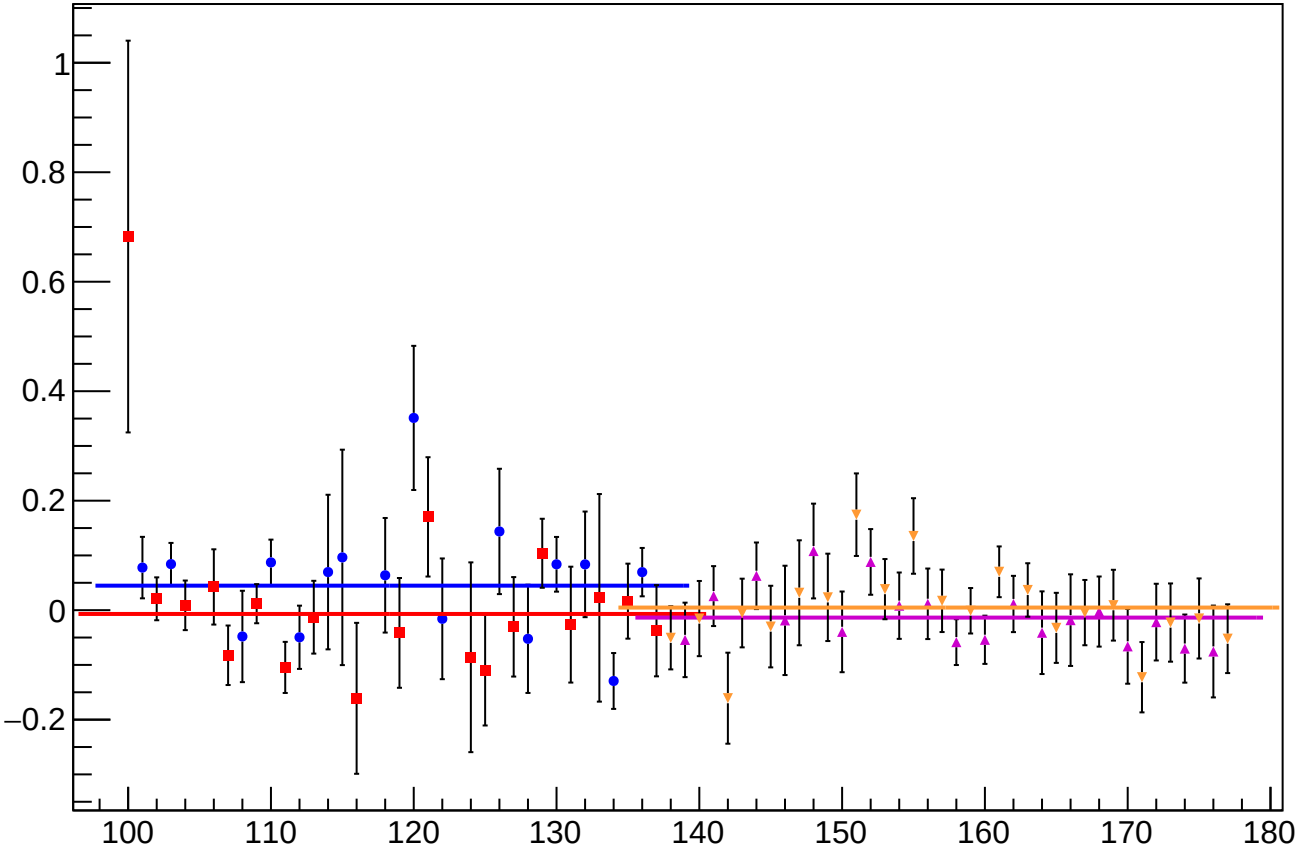
Right: 0.001+/-0.000 χ^2/NDF: 1883510.3/34

In: 0.002+/-0.000 χ^2/NDF:6777397.5/34

Out: 0.002+/-0.000 χ^2/NDF:8353828.9/39

All: 0.002+/-0.000 χ^2/NDF: 15164143.7/74

asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.005+/-0.013 χ^2/NDF:22.2/20

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.014+/-0.014 χ^2/NDF:12.1/18

Left: -0.004+/-0.010 χ^2/NDF: 35.1/39

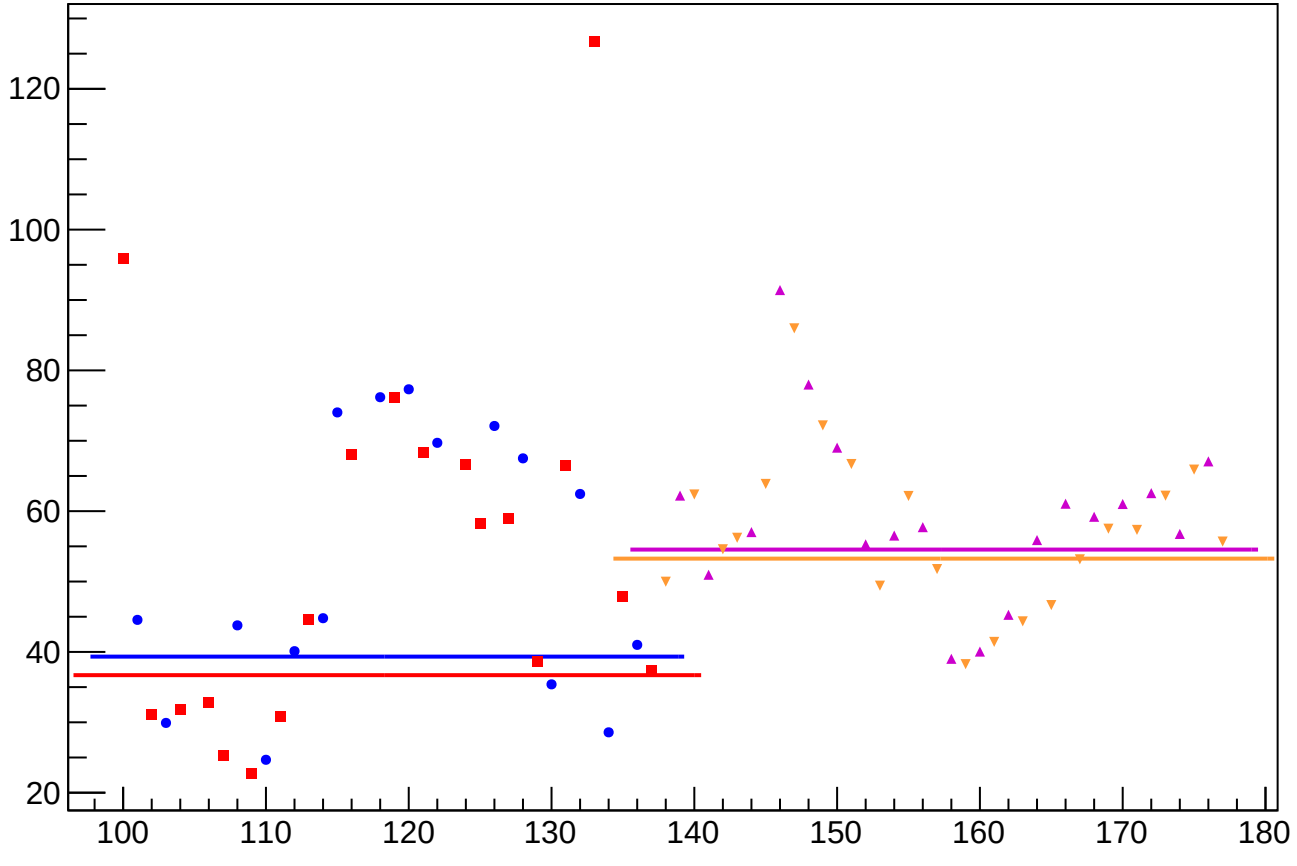
Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.012+/-0.011 χ^2/NDF:46.1/34

Out: -0.000+/-0.010 χ^2/NDF:42.7/39

All: 0.006+/-0.007 χ^2/NDF: 89.5/74

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 53.256+/-0.010 χ^2/NDF:1130146.5/20

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 54.543+/-0.010 χ^2/NDF:1212293.3/18

Left: 53.861+/-0.007 χ^2/NDF: 2350983.4/39

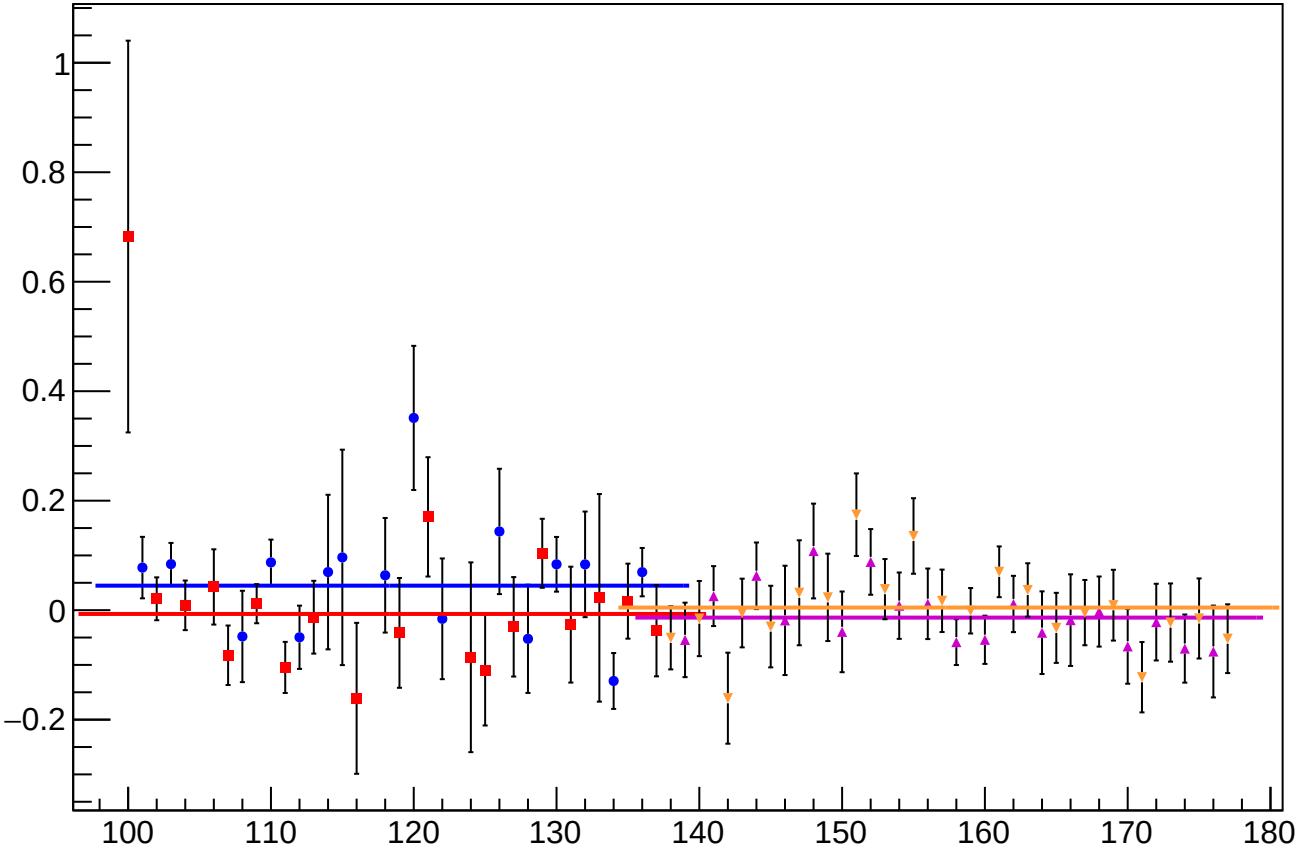
Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 47.787+/-0.008 χ^2/NDF:3780473.1/34

Out: 45.908+/-0.007 χ^2/NDF:4562310.9/39

All: 46.792+/-0.005 χ^2/NDF: 8375571.1/74

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: 0.005+/-0.013 χ^2/NDF:22.2/20

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.014+/-0.014 χ^2/NDF:12.1/18

Left: -0.004+/-0.010 χ^2/NDF: 35.1/39

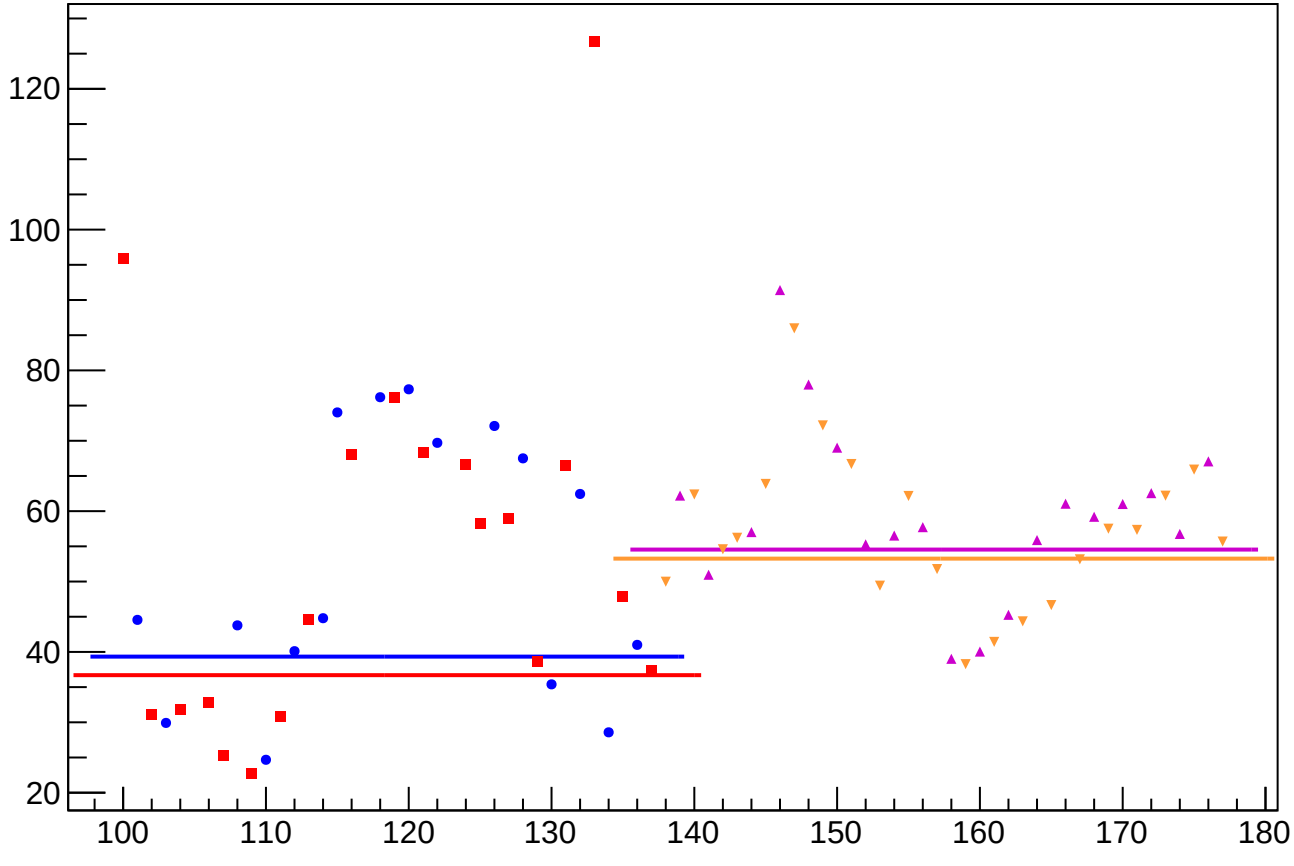
Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.012+/-0.011 χ^2/NDF:46.1/34

Out: -0.000+/-0.010 χ^2/NDF:42.7/39

All: 0.006+/-0.007 χ^2/NDF: 89.5/74

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 53.256+/-0.010 χ^2/NDF:1130146.5/20

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 54.543+/-0.010 χ^2/NDF:1212293.3/18

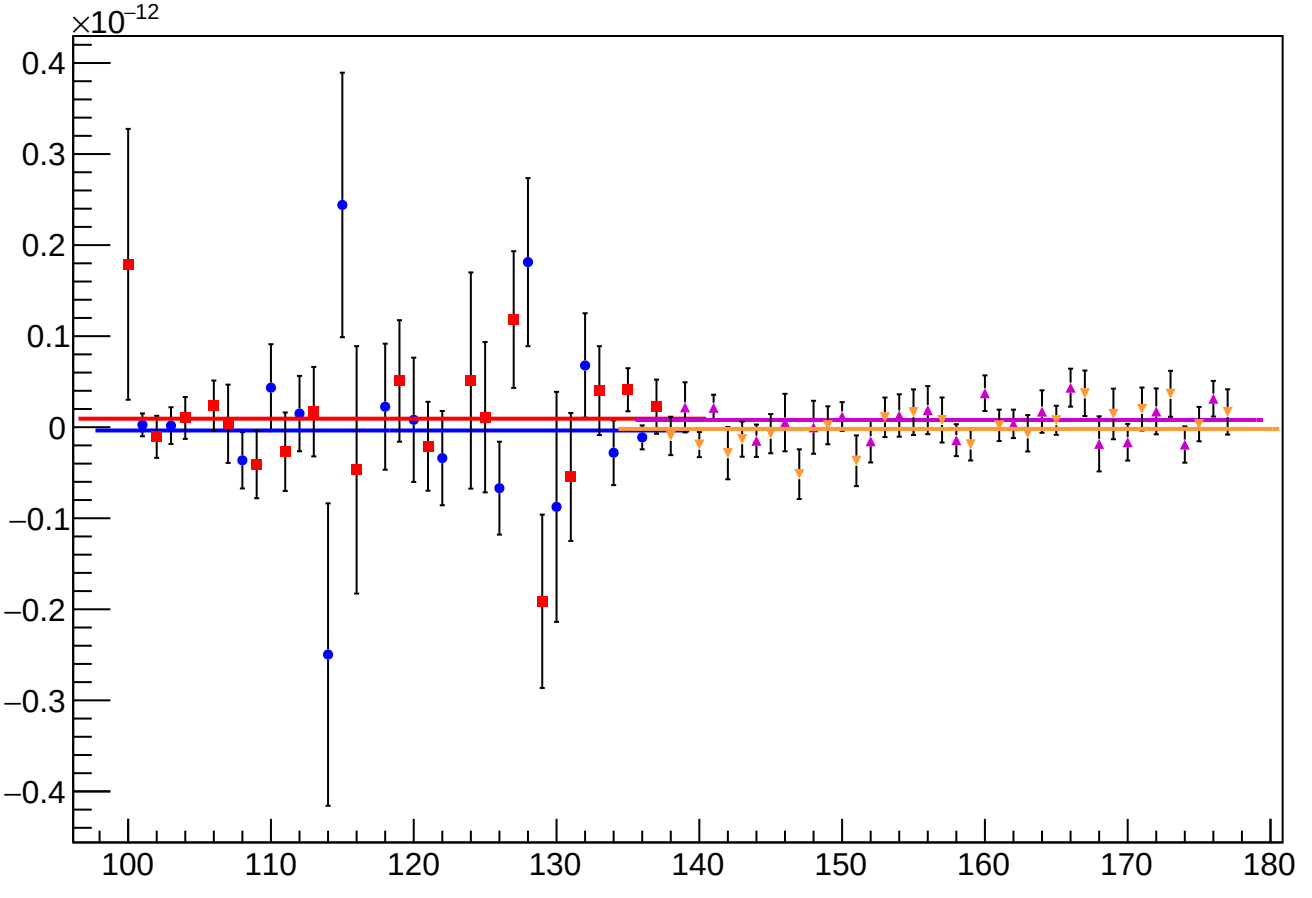
Left: 53.861+/-0.007 χ^2/NDF: 2350983.4/39

Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 47.787+/-0.008 χ^2/NDF:3780473.1/34

Out: 45.908+/-0.007 χ^2/NDF:4562310.9/39

All: 46.792+/-0.005 χ^2/NDF: 8375571.1/74



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: 0.000+/-0.000 χ^2/NDF:16.7/18

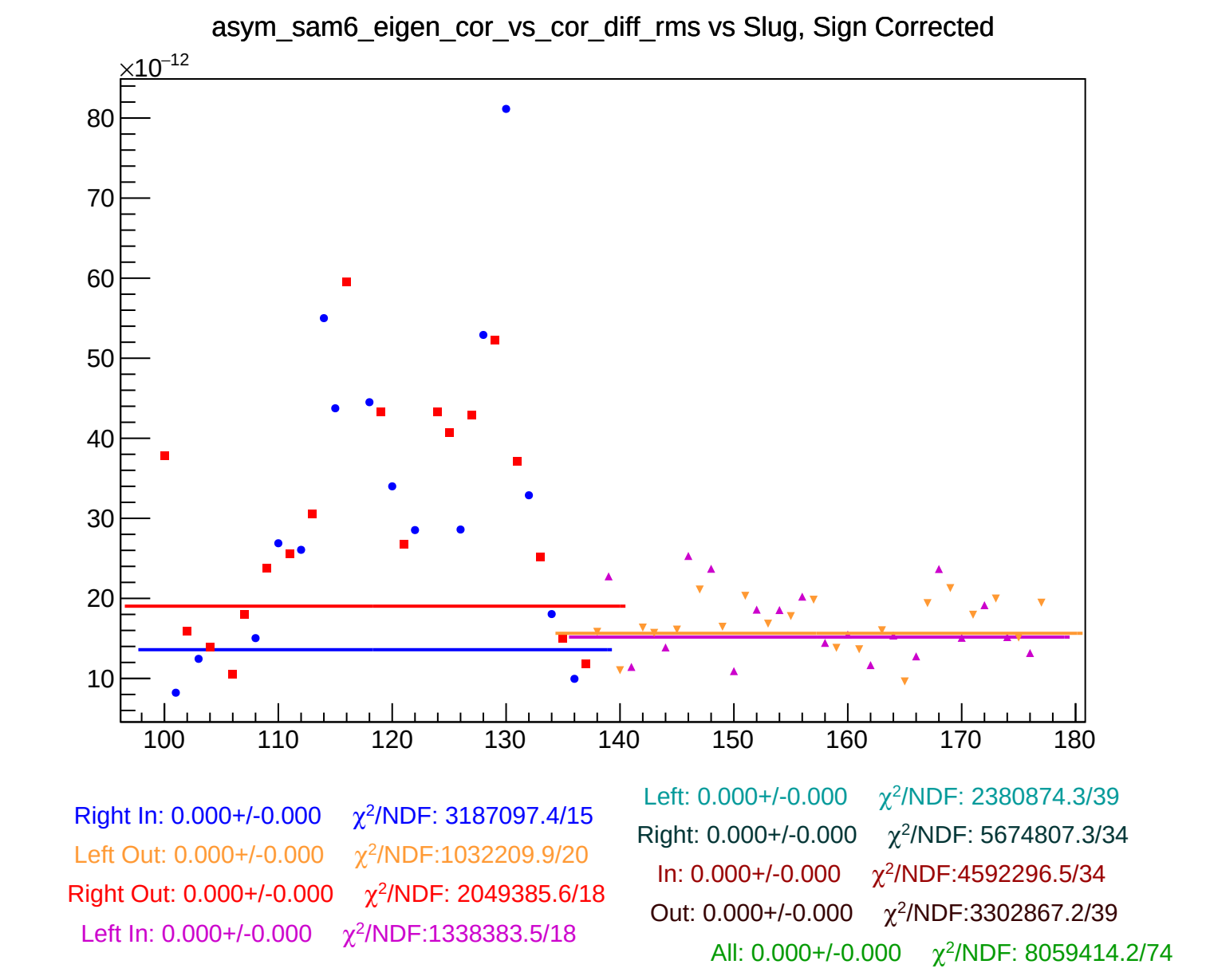
Left: 0.000+/-0.000 χ^2/NDF: 35.9/39

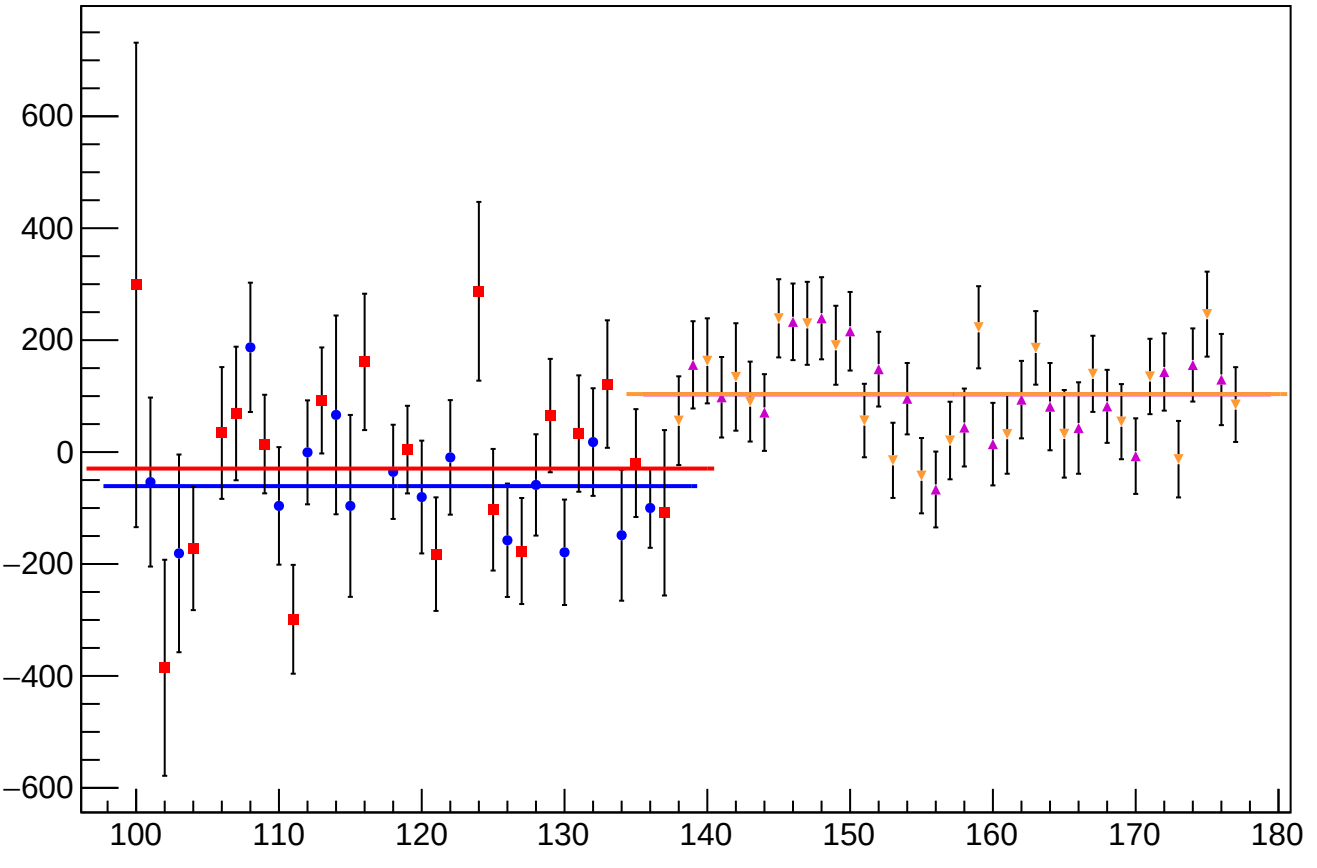
Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:35.1/34

Out: 0.000+/-0.000 χ^2/NDF:33.9/39

All: 0.000+/-0.000 χ^2/NDF: 69.5/74


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:1032209.9/20
Right Out: 0.000+/-0.000 χ²/NDF: 2049385.6/18
Left In: 0.000+/-0.000 χ²/NDF:1338383.5/18
Left: 0.000+/-0.000 χ²/NDF: 2380874.3/39
Right: 0.000+/-0.000 χ²/NDF: 5674807.3/34
In: 0.000+/-0.000 χ²/NDF:4592296.5/34
Out: 0.000+/-0.000 χ²/NDF:3302867.2/39
All: 0.000+/-0.000 χ²/NDF: 8059414.2/74



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 103.607+/-15.511 χ^2/NDF:32.7/20

Right Out: -29.453+/-25.105 χ^2/NDF: 31.2/18

Left In: 103.128+/-16.176 χ^2/NDF:23.7/18

Left: 103.377+/-11.195 χ^2/NDF: 56.4/39

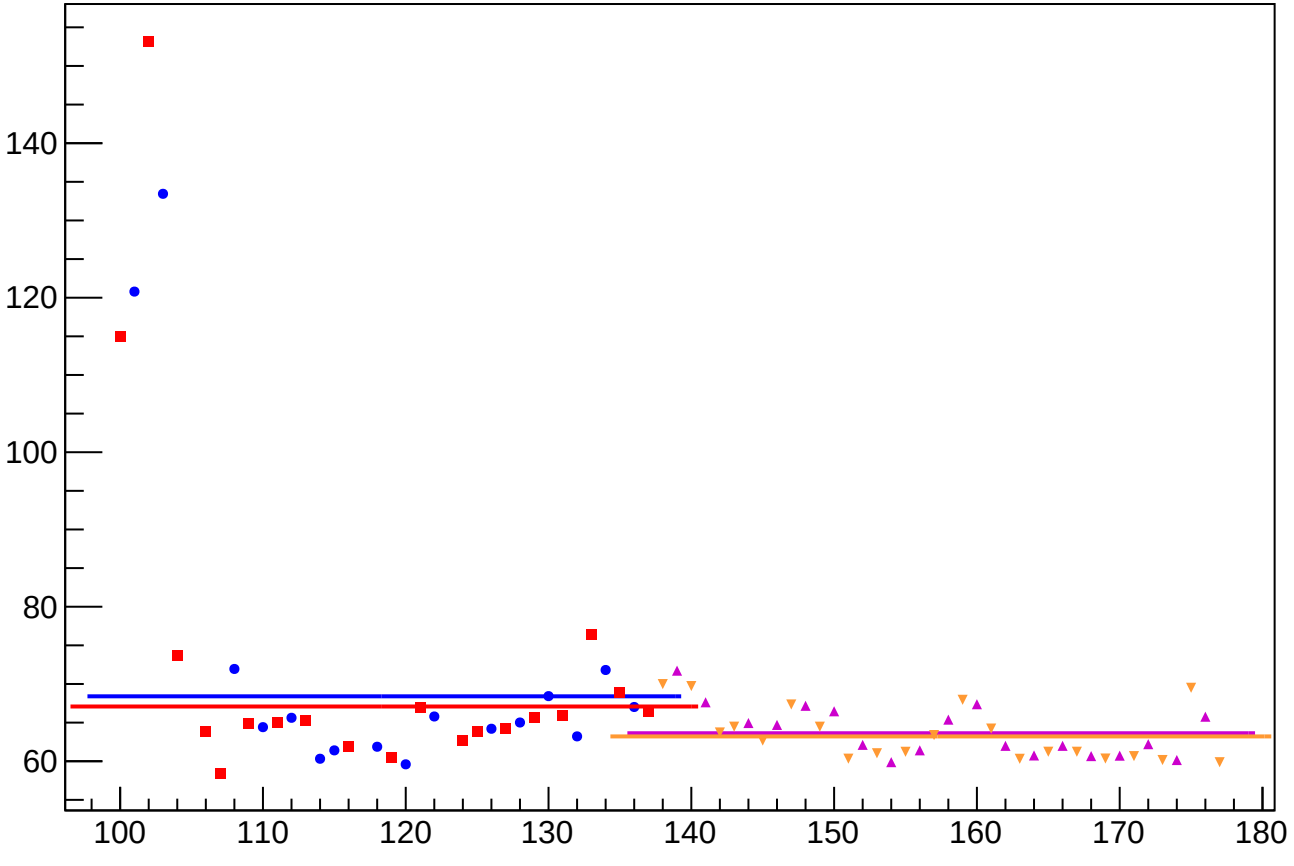
Right: -44.568+/-18.078 χ^2/NDF: 42.5/34

In: 57.507+/-13.742 χ^2/NDF:62.9/34

Out: 66.848+/-13.195 χ^2/NDF:84.2/39

All: 62.367+/-9.518 χ^2/NDF: 147.3/74

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 63.212+/-0.011 χ^2/NDF:89537.4/20

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

Left In: 63.624+/-0.011 χ^2/NDF:73761.4/18

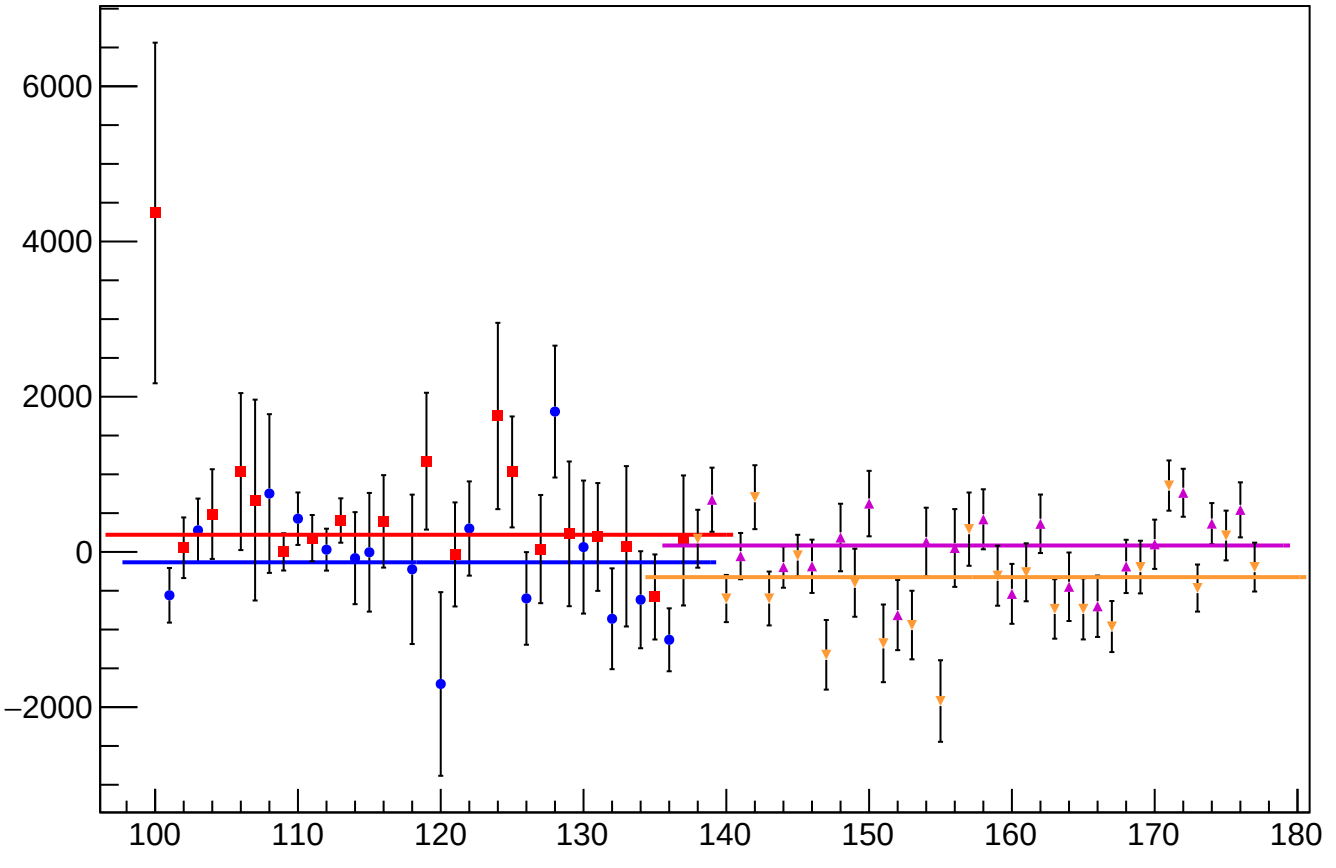
Left: 63.409+/-0.008 χ^2/NDF: 163972.6/39

Right: 67.720+/-0.013 χ^2/NDF: 1054024.8/34

In: 64.954+/-0.010 χ^2/NDF:691900.0/34

Out: 64.282+/-0.009 χ^2/NDF:605807.2/39

All: 64.604+/-0.007 χ^2/NDF: 1300188.6/74



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -324.560+/-79.304 χ^2/NDF:54.0/20

Right Out: 221.324+/-117.783 χ^2/NDF: 12.5/18

Left In: 83.063+/-82.297 χ^2/NDF:27.1/18

Left: -128.294+/-57.105 χ^2/NDF: 93.8/39

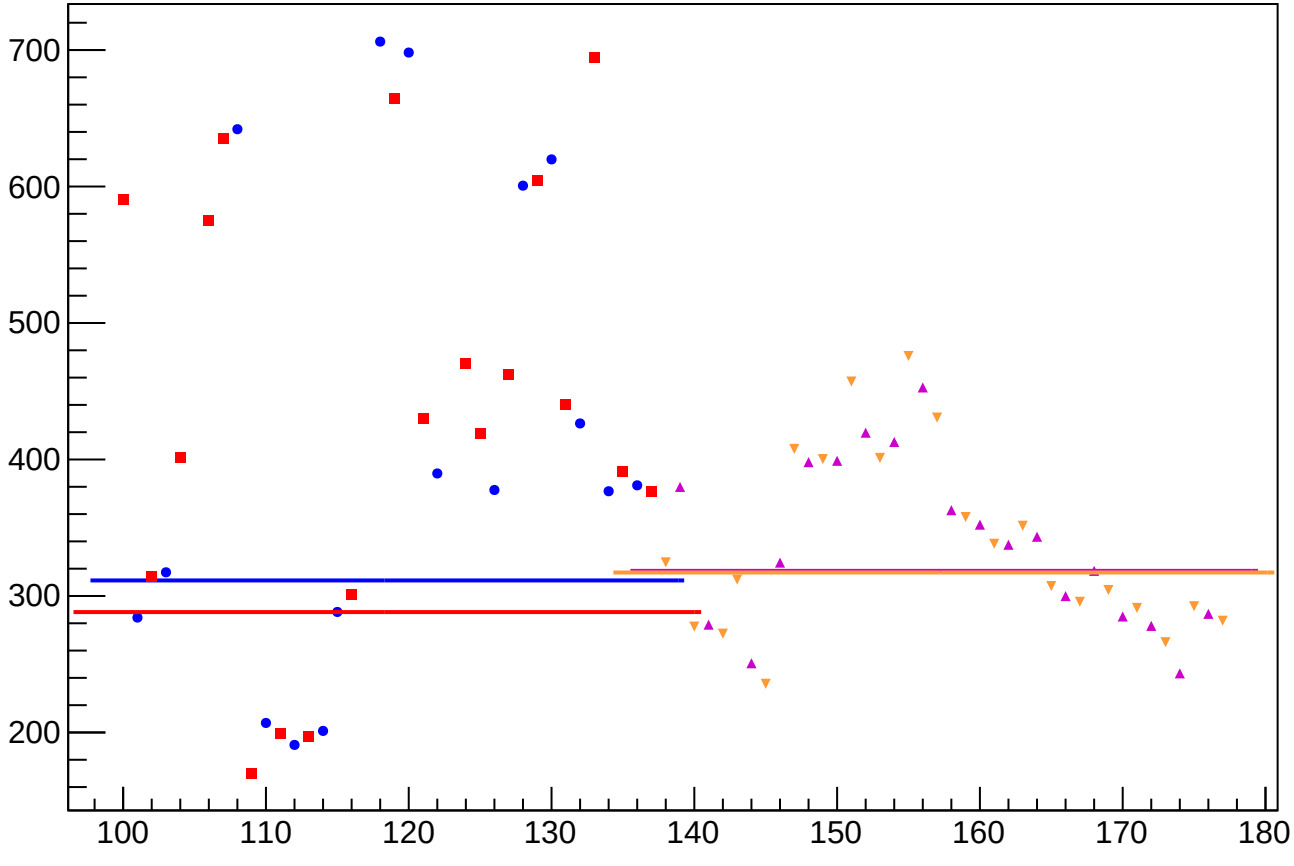
Right: 55.682+/-86.013 χ^2/NDF: 39.2/34

In: 18.207+/-68.886 χ^2/NDF:51.7/34

Out: -154.281+/-65.783 χ^2/NDF:81.3/39

All: -72.010+/-47.575 χ^2/NDF: 136.3/74

asym_sam7_reg_correction_rms vs Slug, Sign Corrected



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 317.212+/-0.056 χ^2/NDF:1089843.4/20

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

Left In: 318.409+/-0.058 χ^2/NDF:975488.1/18

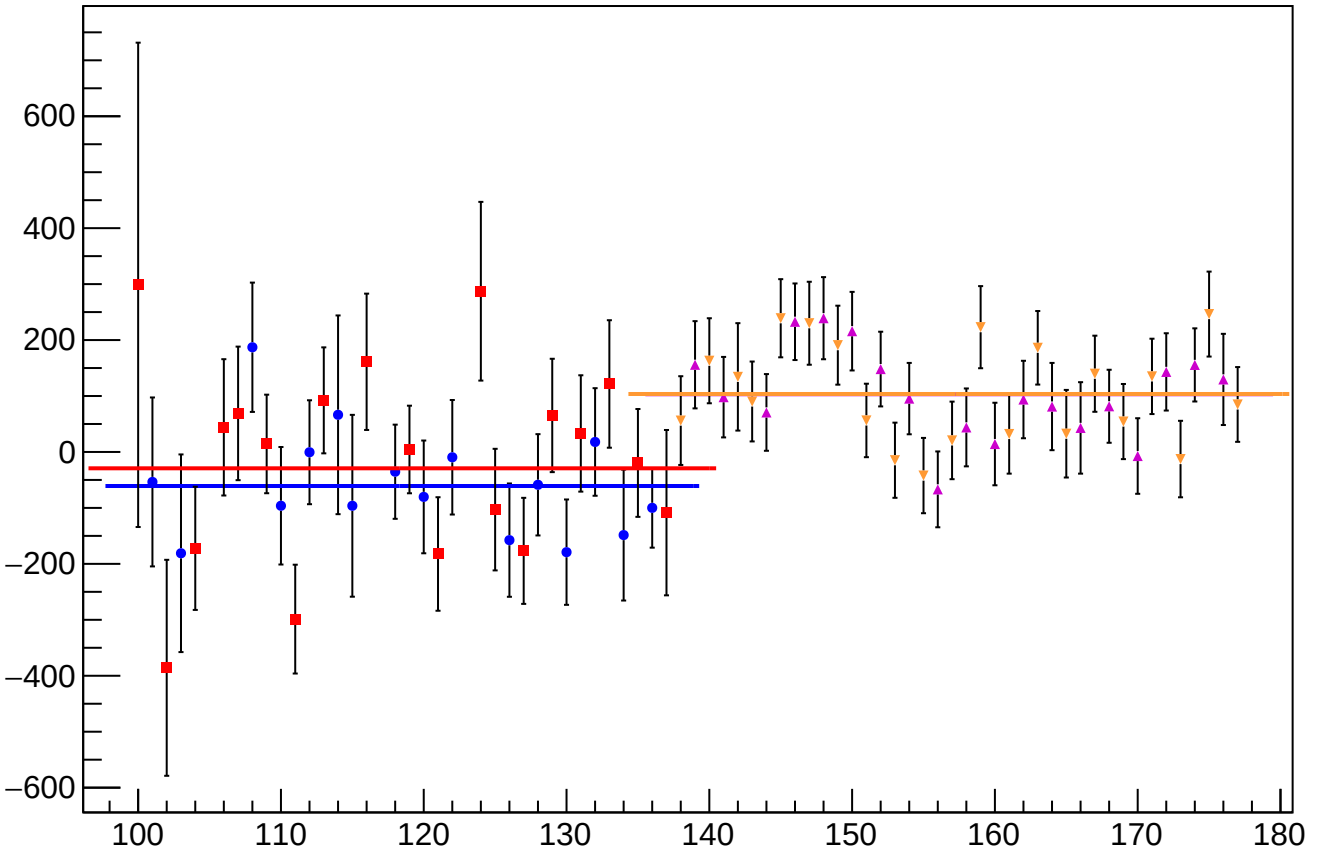
Left: 317.788+/-0.040 χ^2/NDF: 2065551.0/39

Right: 299.024+/-0.061 χ^2/NDF: 4875335.3/34

In: 316.307+/-0.049 χ^2/NDF:3103645.6/34

Out: 308.163+/-0.047 χ^2/NDF:3888687.6/39

All: 312.047+/-0.034 χ^2/NDF: 7006951.1/74



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 103.608+/-15.511 χ^2/NDF:32.7/20

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 103.125+/-16.176 χ^2/NDF:23.7/18

Left: 103.376+/-11.195 χ^2/NDF: 56.4/39

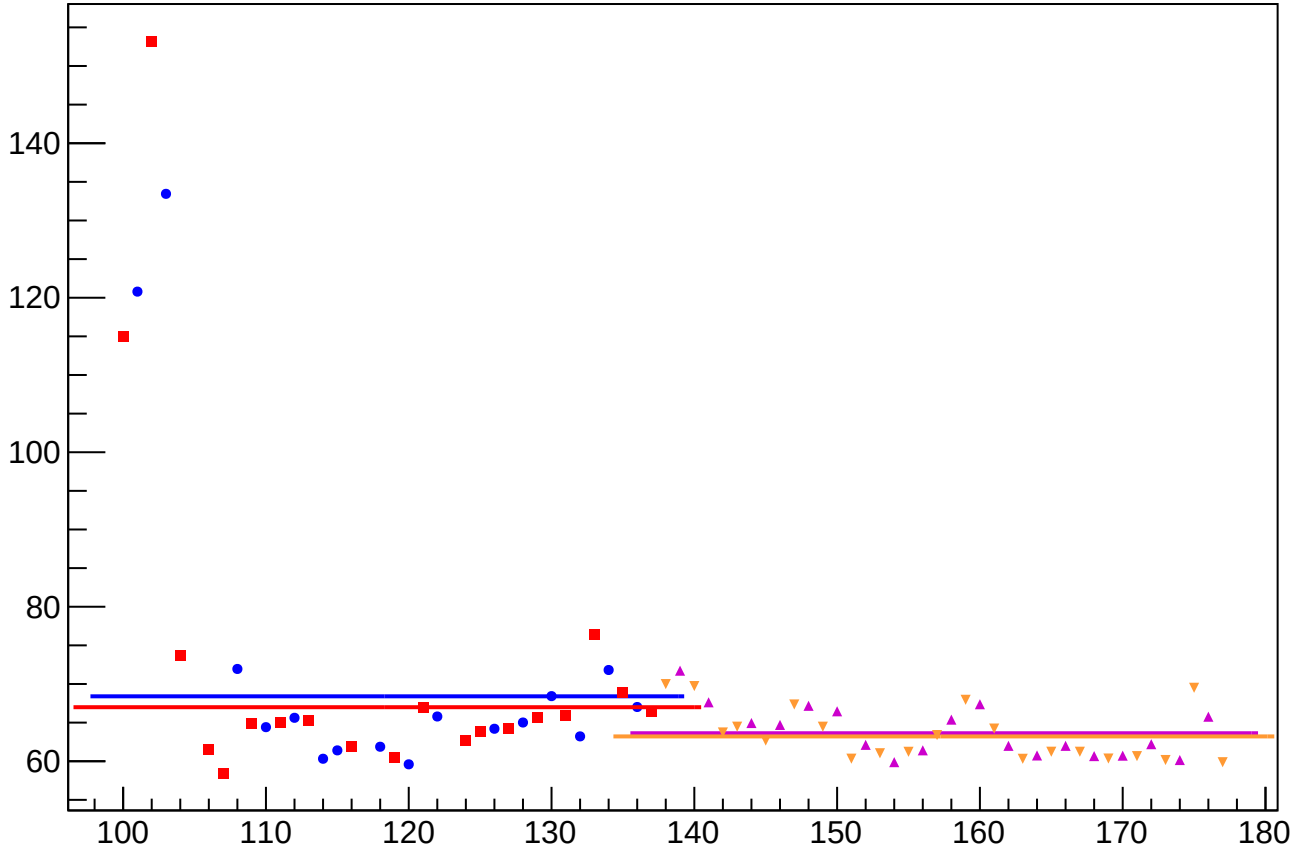
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 57.504+/-13.742 χ^2/NDF:62.9/34

Out: 66.992+/-13.201 χ^2/NDF:84.2/39

All: 62.439+/-9.520 χ^2/NDF: 147.3/74

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 63.212+/-0.011 χ^2/NDF:89537.4/20

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 63.624+/-0.011 χ^2/NDF:73761.4/18

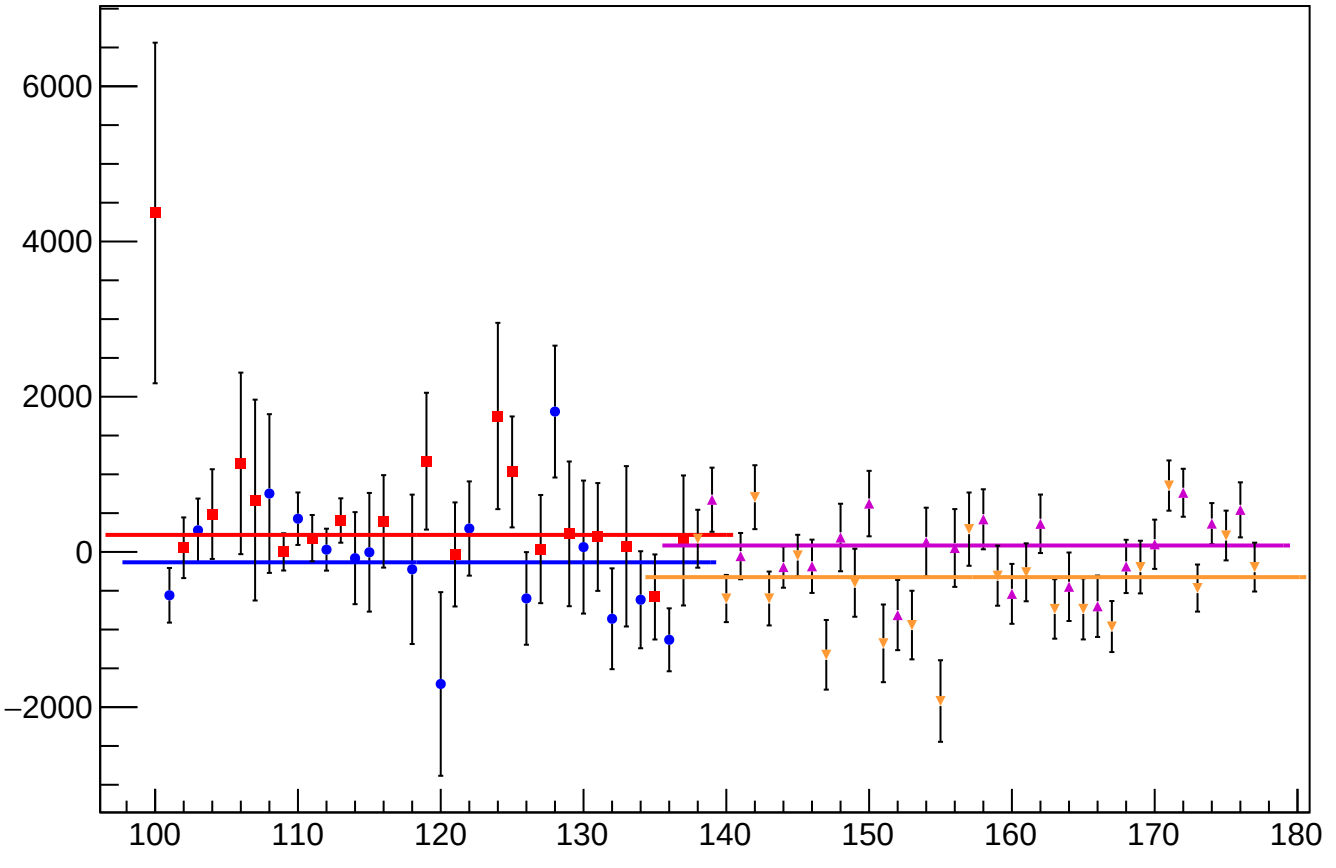
Left: 63.409+/-0.008 χ^2/NDF: 163972.6/39

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 64.954+/-0.010 χ^2/NDF:691900.3/34

Out: 64.255+/-0.009 χ^2/NDF:606806.7/39

All: 64.590+/-0.007 χ^2/NDF: 1301394.4/74



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -324.559+/-79.304 χ^2/NDF:54.0/20

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: 83.056+/-82.297 χ^2/NDF:27.1/18

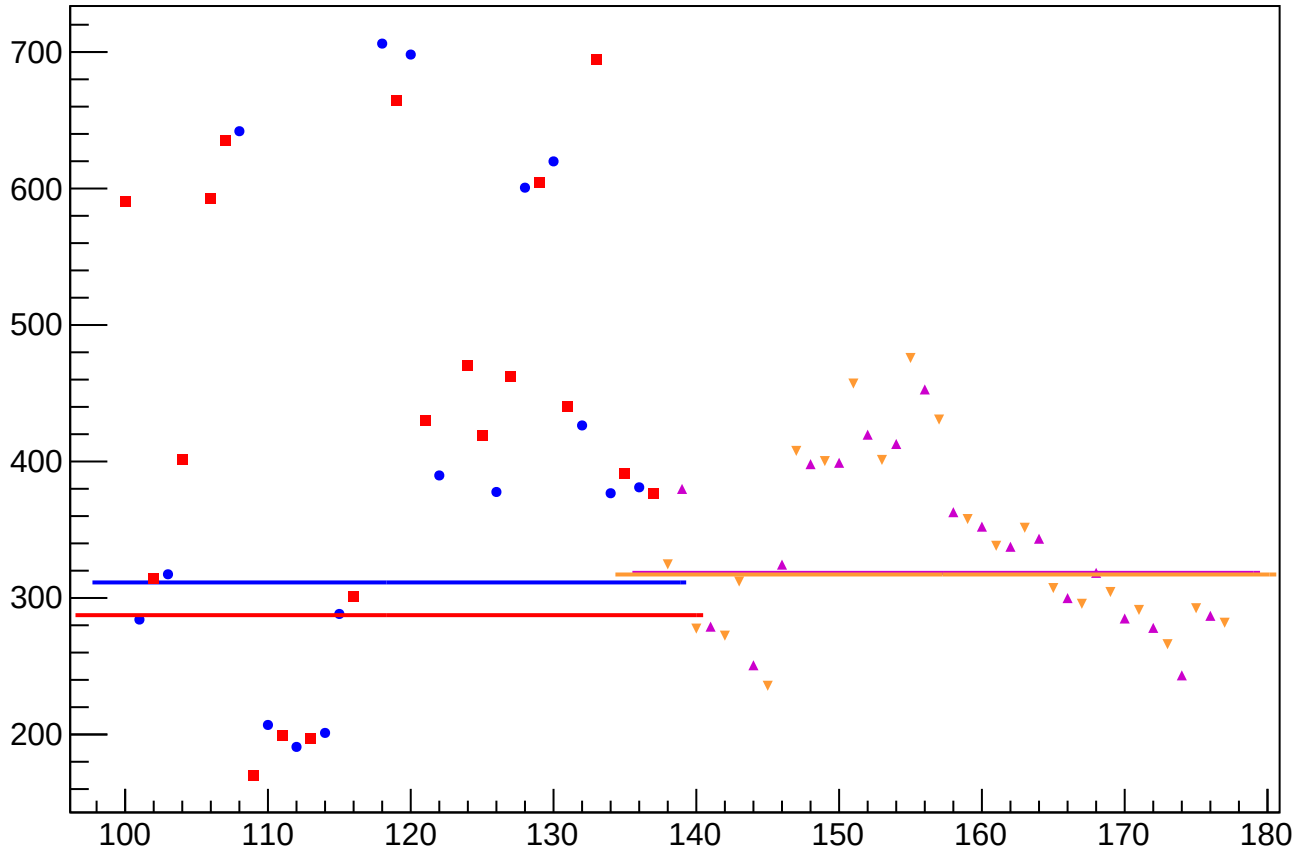
Left: -128.297+/-57.105 χ^2/NDF: 93.8/39

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: 18.204+/-68.886 χ^2/NDF:51.7/34

Out: -155.224+/-65.819 χ^2/NDF:81.2/39

All: -72.457+/-47.588 χ^2/NDF: 136.1/74



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 317.211+/-0.056 χ^2/NDF:1089848.2/20

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 318.409+/-0.058 χ^2/NDF:975493.5/18

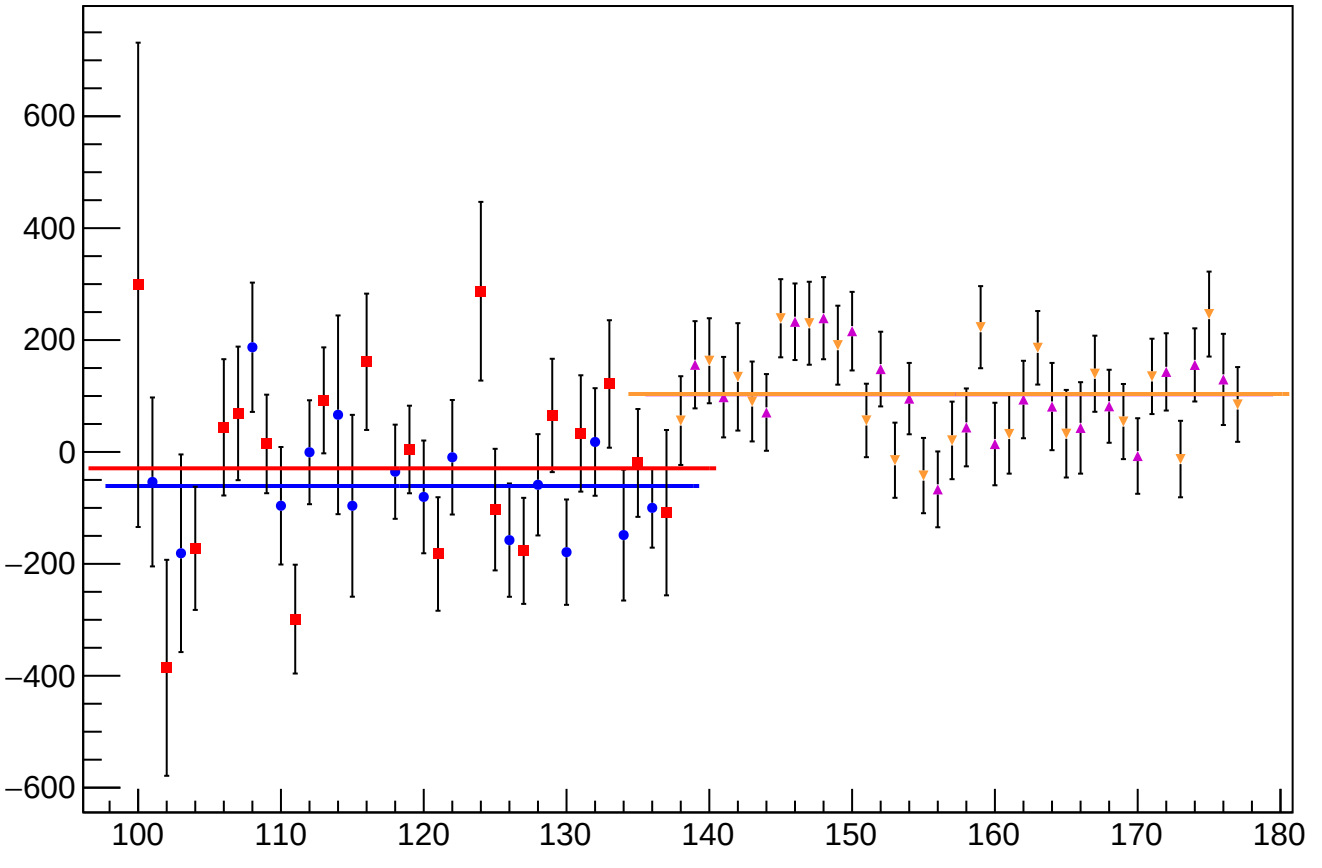
Left: 317.788+/-0.040 χ^2/NDF: 2065561.3/39

Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 316.307+/-0.049 χ^2/NDF:3103649.9/34

Out: 307.939+/-0.047 χ^2/NDF:3867974.4/39

All: 311.932+/-0.034 χ^2/NDF: 6987054.0/74



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 103.608+/-15.511 χ^2/NDF:32.7/20

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 103.125+/-16.176 χ^2/NDF:23.7/18

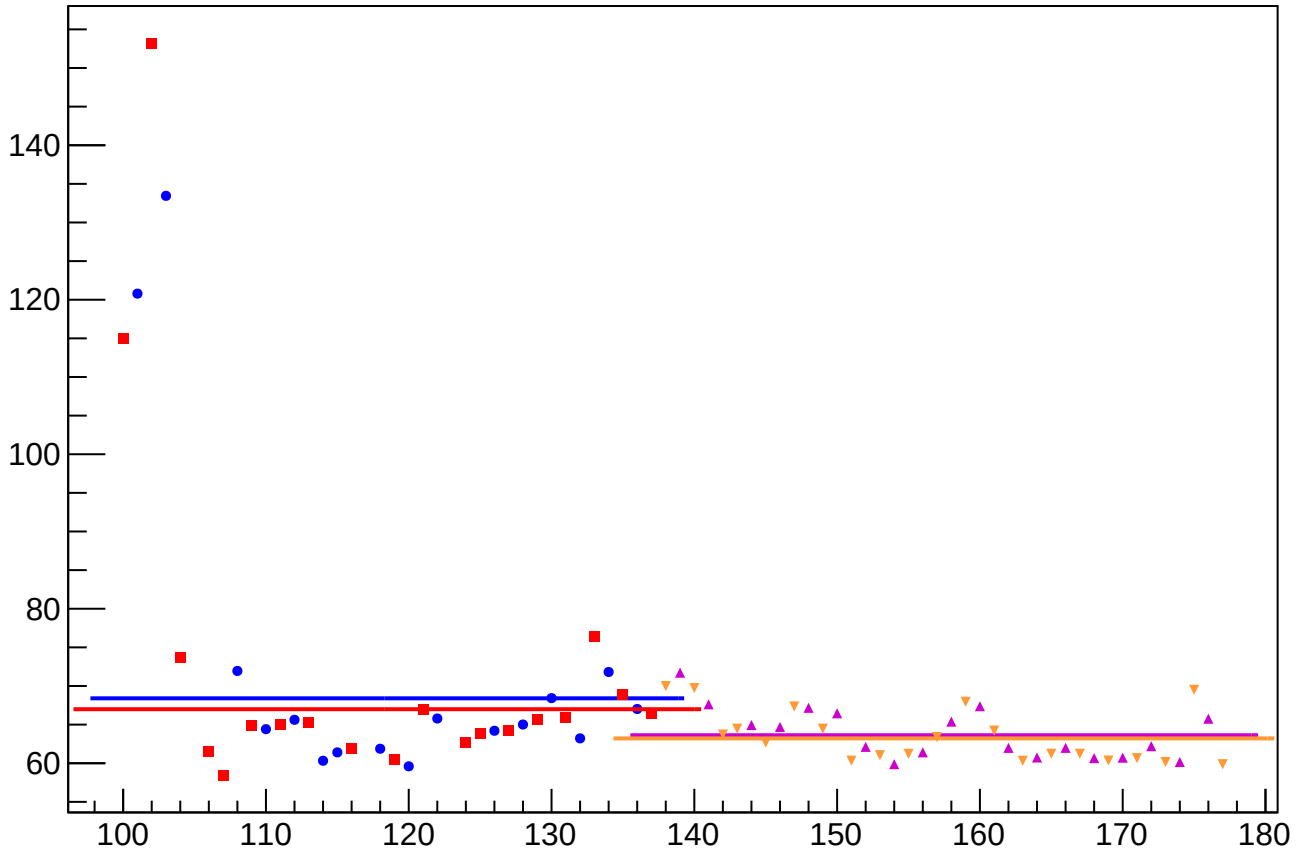
Left: 103.376+/-11.195 χ^2/NDF: 56.4/39

Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 57.504+/-13.742 χ^2/NDF:62.9/34

Out: 66.992+/-13.201 χ^2/NDF:84.2/39

All: 62.439+/-9.520 χ^2/NDF: 147.3/74



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 63.212+/-0.011 χ^2/NDF:89537.4/20

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 63.624+/-0.011 χ^2/NDF:73761.4/18

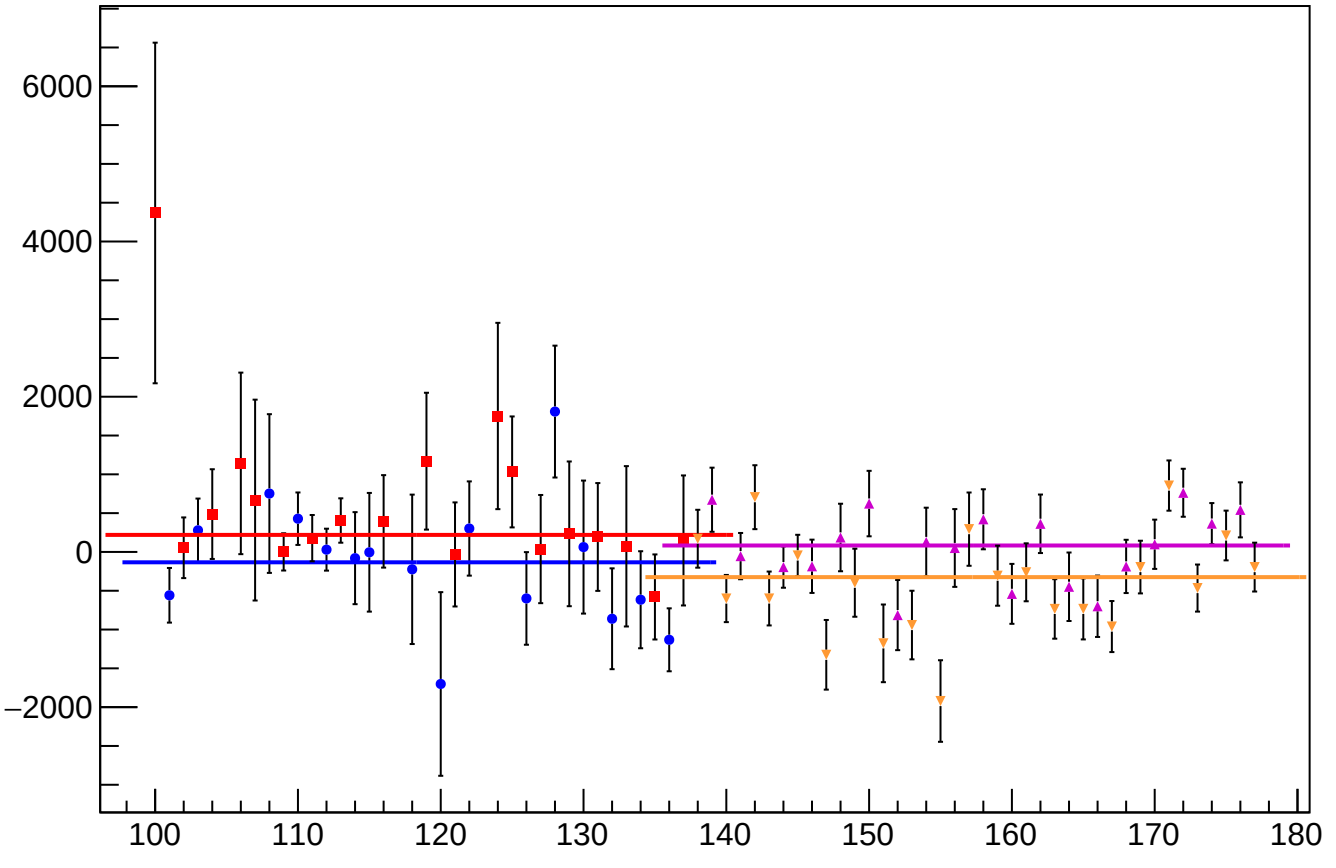
Left: 63.409+/-0.008 χ^2/NDF: 163972.6/39

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 64.954+/-0.010 χ^2/NDF:691900.3/34

Out: 64.255+/-0.009 χ^2/NDF:606806.7/39

All: 64.590+/-0.007 χ^2/NDF: 1301394.4/74



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -324.559+/-79.304 χ^2/NDF:54.0/20

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: 83.056+/-82.297 χ^2/NDF:27.1/18

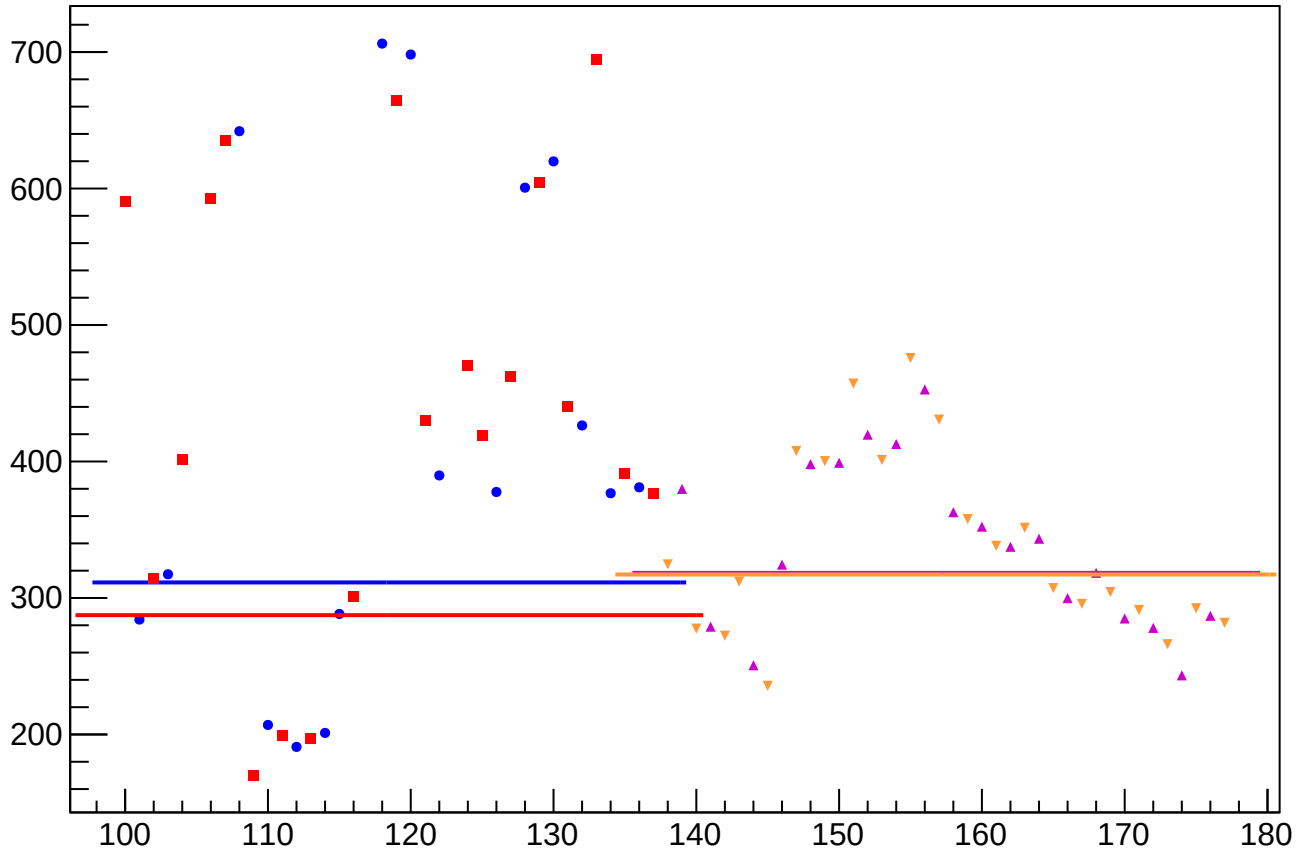
Left: -128.297+/-57.105 χ^2/NDF: 93.8/39

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: 18.204+/-68.886 χ^2/NDF:51.7/34

Out: -155.224+/-65.819 χ^2/NDF:81.2/39

All: -72.457+/-47.588 χ^2/NDF: 136.1/74



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 317.211+/-0.056 χ^2/NDF:1089848.2/20

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 318.409+/-0.058 χ^2/NDF:975493.5/18

Left: 317.788+/-0.040 χ^2/NDF: 2065561.3/39

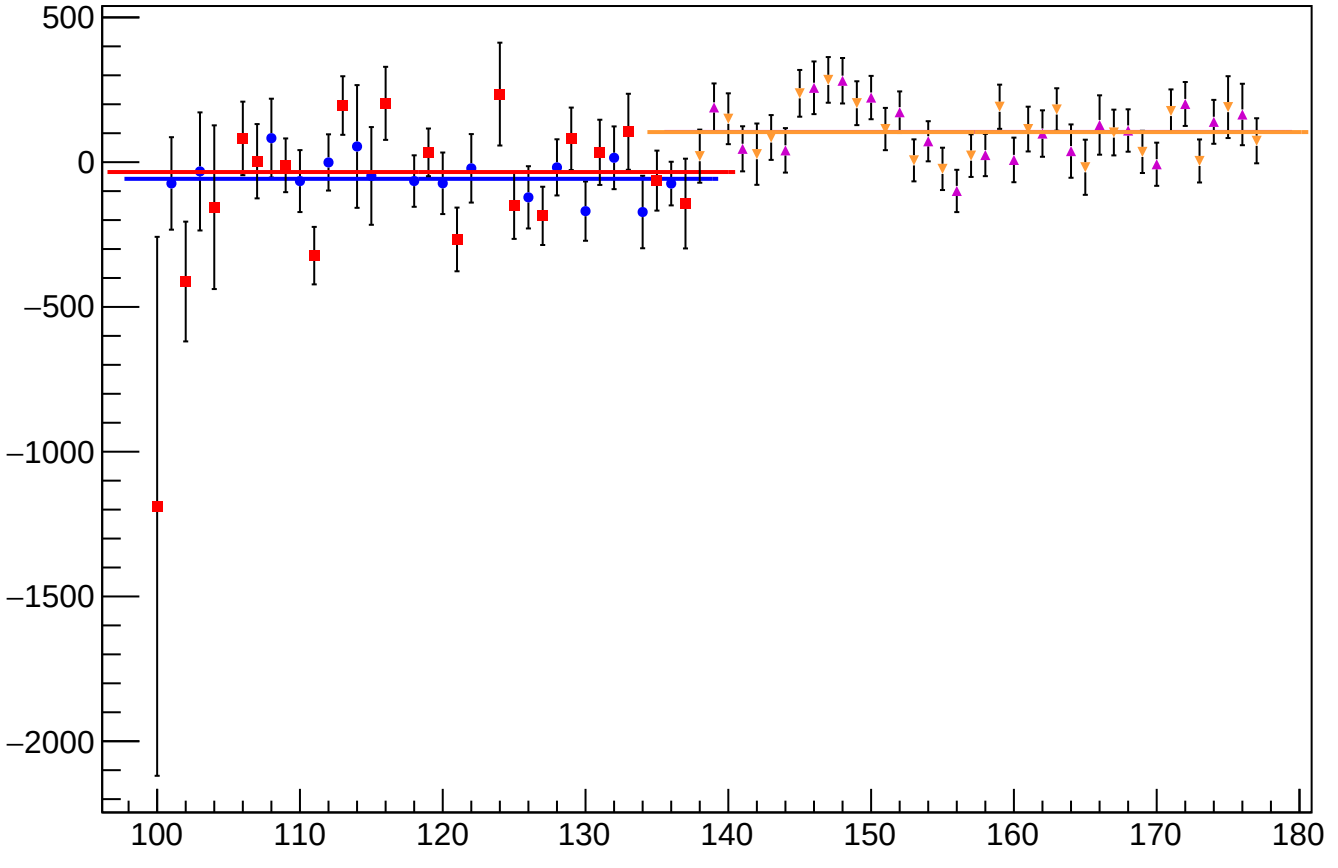
Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 316.307+/-0.049 χ^2/NDF:3103649.9/34

Out: 307.939+/-0.047 χ^2/NDF:3867974.4/39

All: 311.932+/-0.034 χ^2/NDF: 6987054.0/74

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 103.934+/-17.305 χ^2/NDF:26.0/20

Right Out: -34.033+/-27.398 χ^2/NDF: 37.1/18

Left In: 104.414+/-18.081 χ^2/NDF:29.3/18

Left: 104.163+/-12.502 χ^2/NDF: 55.3/39

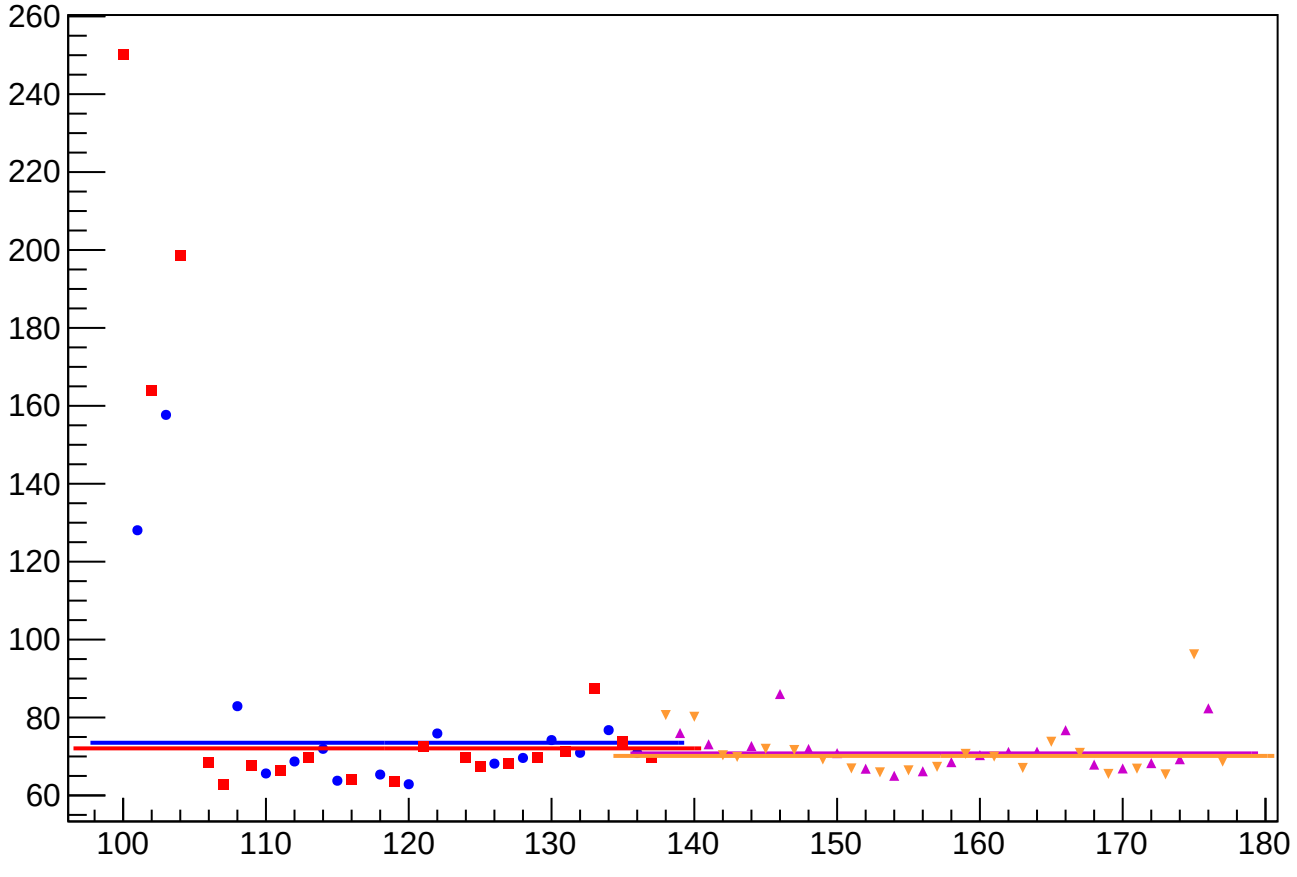
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 56.964+/-15.203 χ^2/NDF:57.7/34

Out: 64.588+/-14.631 χ^2/NDF:81.2/39

All: 60.922+/-10.542 χ^2/NDF: 139.1/74

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 70.142+/-0.012 χ^2/NDF:219724.4/20

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

Left In: 70.784+/-0.013 χ^2/NDF:139113.4/18

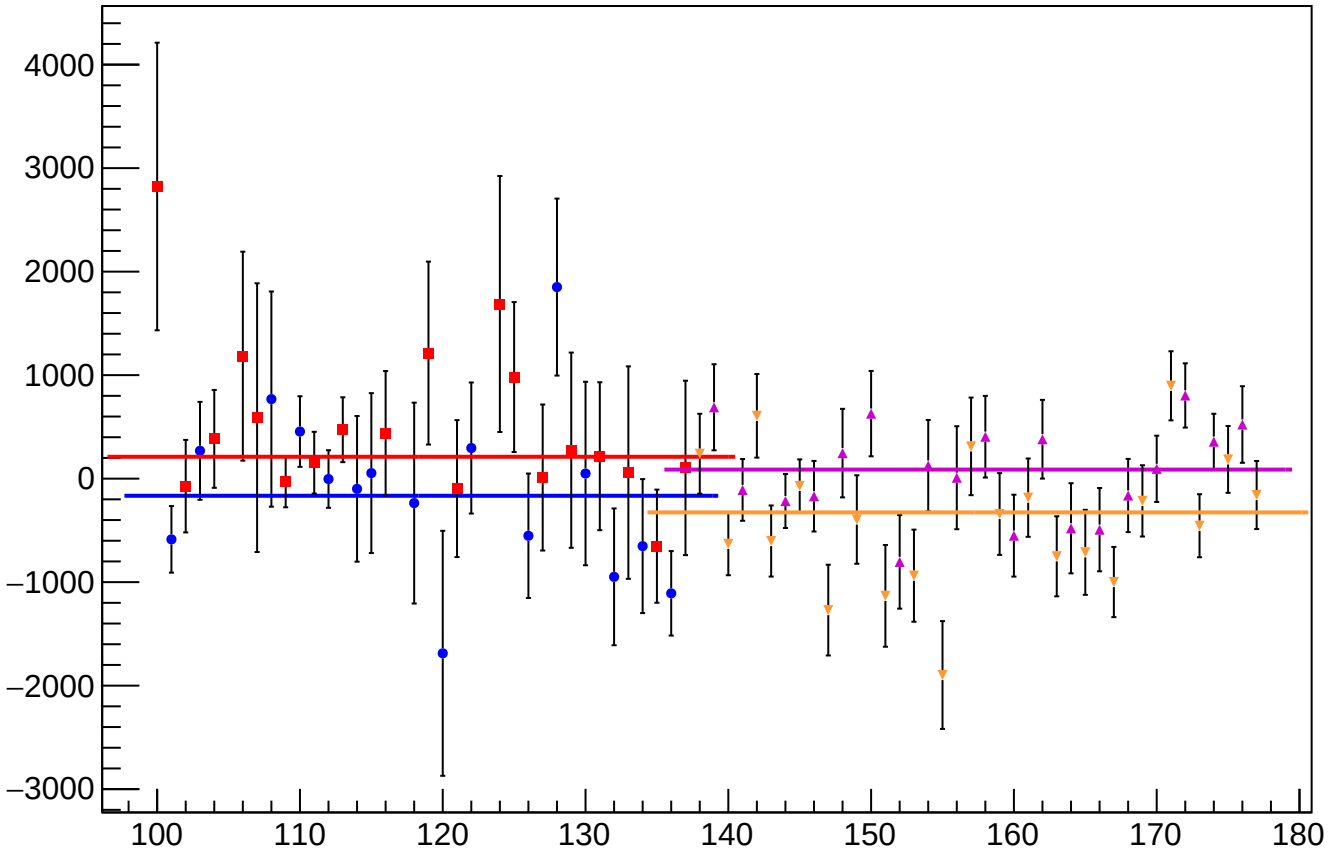
Left: 70.449+/-0.009 χ^2/NDF: 360153.0/39

Right: 72.779+/-0.014 χ^2/NDF: 1618055.3/34

In: 71.585+/-0.011 χ^2/NDF:809370.7/34

Out: 70.693+/-0.010 χ^2/NDF:1185327.9/39

All: 71.122+/-0.007 χ^2/NDF: 1998275.1/74



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -326.055+/-79.747 χ^2/NDF:53.0/20

Right Out: 211.347+/-120.122 χ^2/NDF: 13.6/18

Left In: 87.448+/-82.709 χ^2/NDF:26.1/18

Left: -126.842+/-57.408 χ^2/NDF: 92.0/39

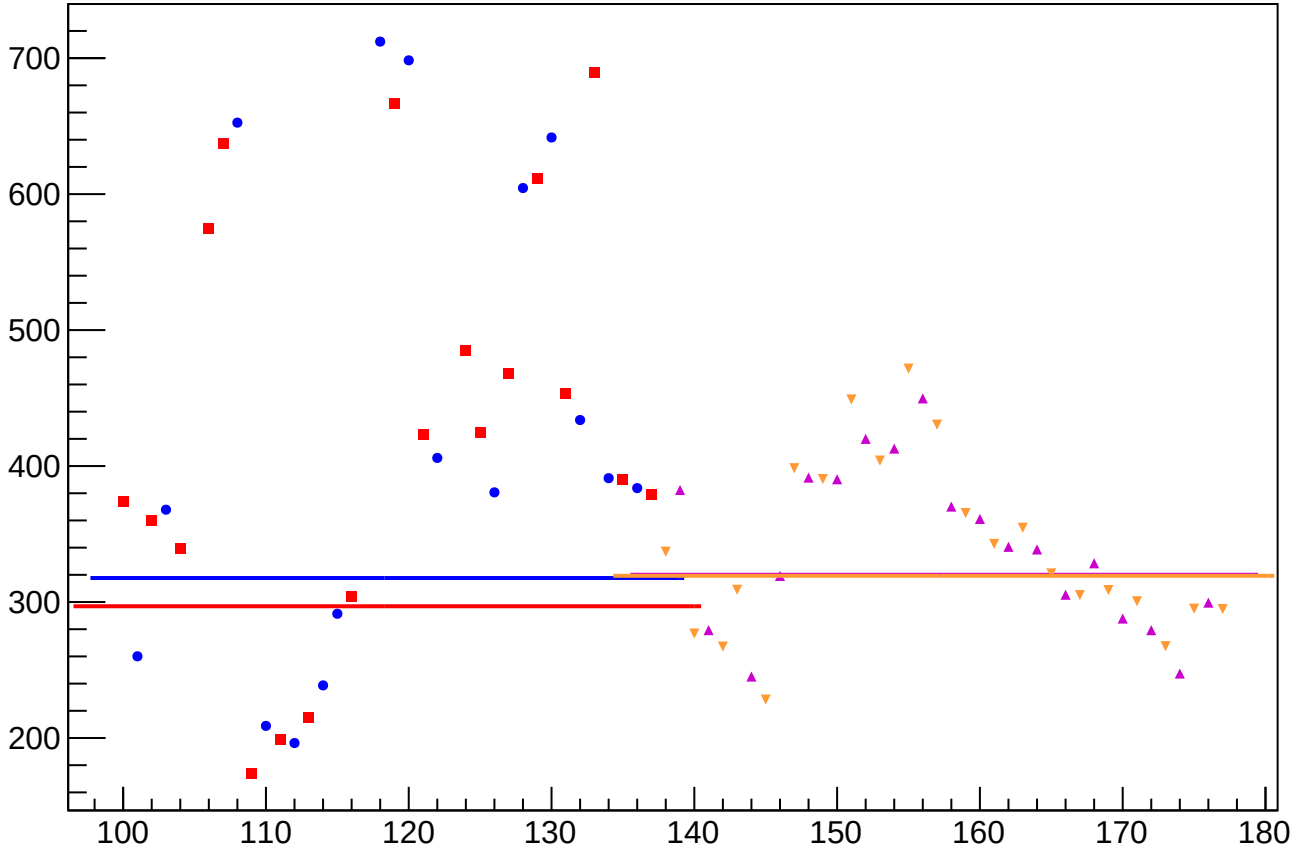
Right: 35.518+/-87.732 χ^2/NDF: 40.8/34

In: 13.301+/-69.538 χ^2/NDF:51.4/34

Out: -161.656+/-66.439 χ^2/NDF:80.5/39

All: -78.164+/-48.038 χ^2/NDF: 135.2/74

asym_sam7_dit_correction_rms vs Slug, Sign Corrected



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 319.292+/-0.056 χ^2/NDF:1089093.5/20

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

Left In: 320.051+/-0.058 χ^2/NDF:956891.7/18

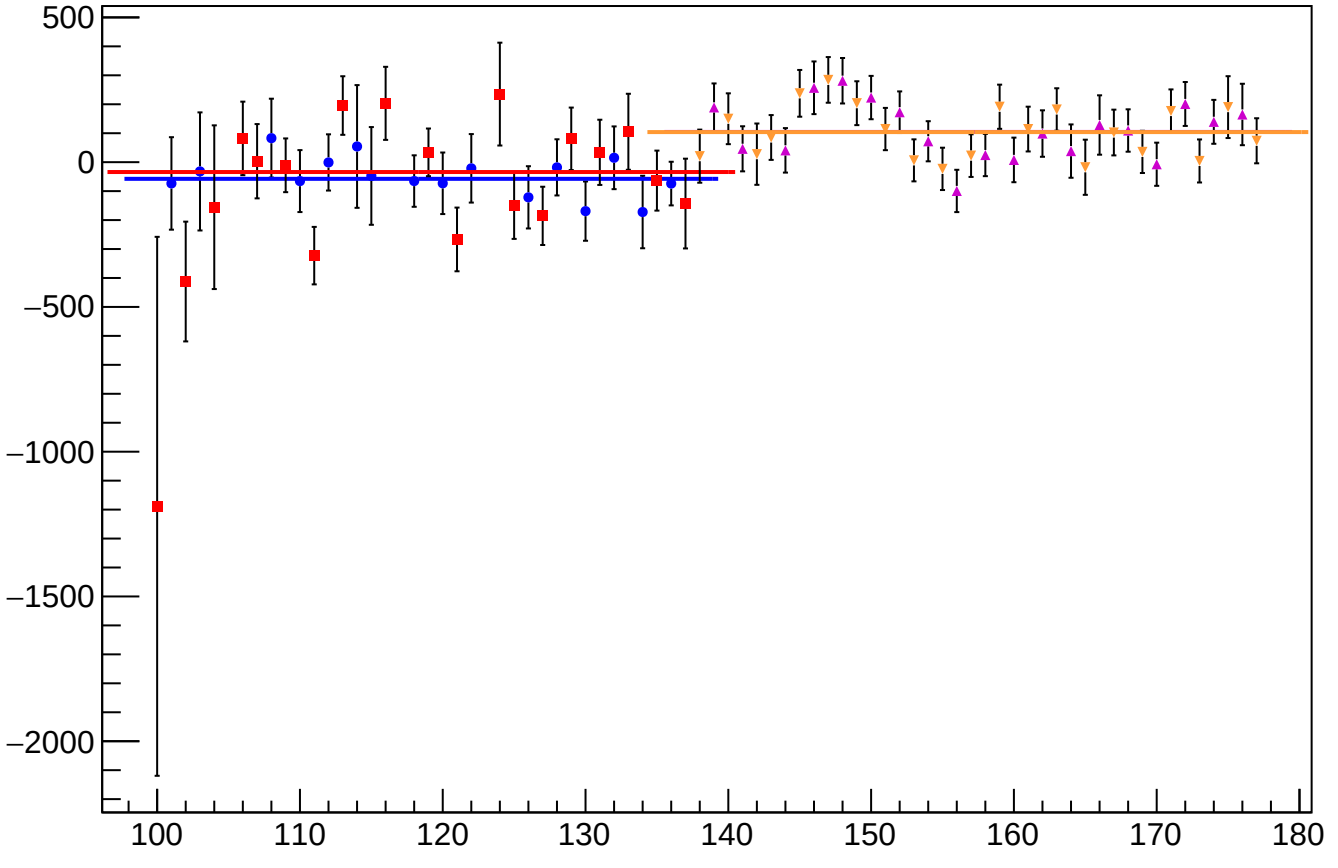
Left: 319.658+/-0.041 χ^2/NDF: 2046072.4/39

Right: 306.582+/-0.062 χ^2/NDF: 4705147.7/34

In: 319.351+/-0.049 χ^2/NDF:3093573.0/34

Out: 312.438+/-0.047 χ^2/NDF:3678423.8/39

All: 315.737+/-0.034 χ^2/NDF: 6782330.1/74



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 103.933+/-17.305 χ^2/NDF:26.0/20

Right Out: -34.034+/-27.398 χ^2/NDF: 37.1/18

Left In: 104.414+/-18.081 χ^2/NDF:29.3/18

Left: 104.163+/-12.502 χ^2/NDF: 55.3/39

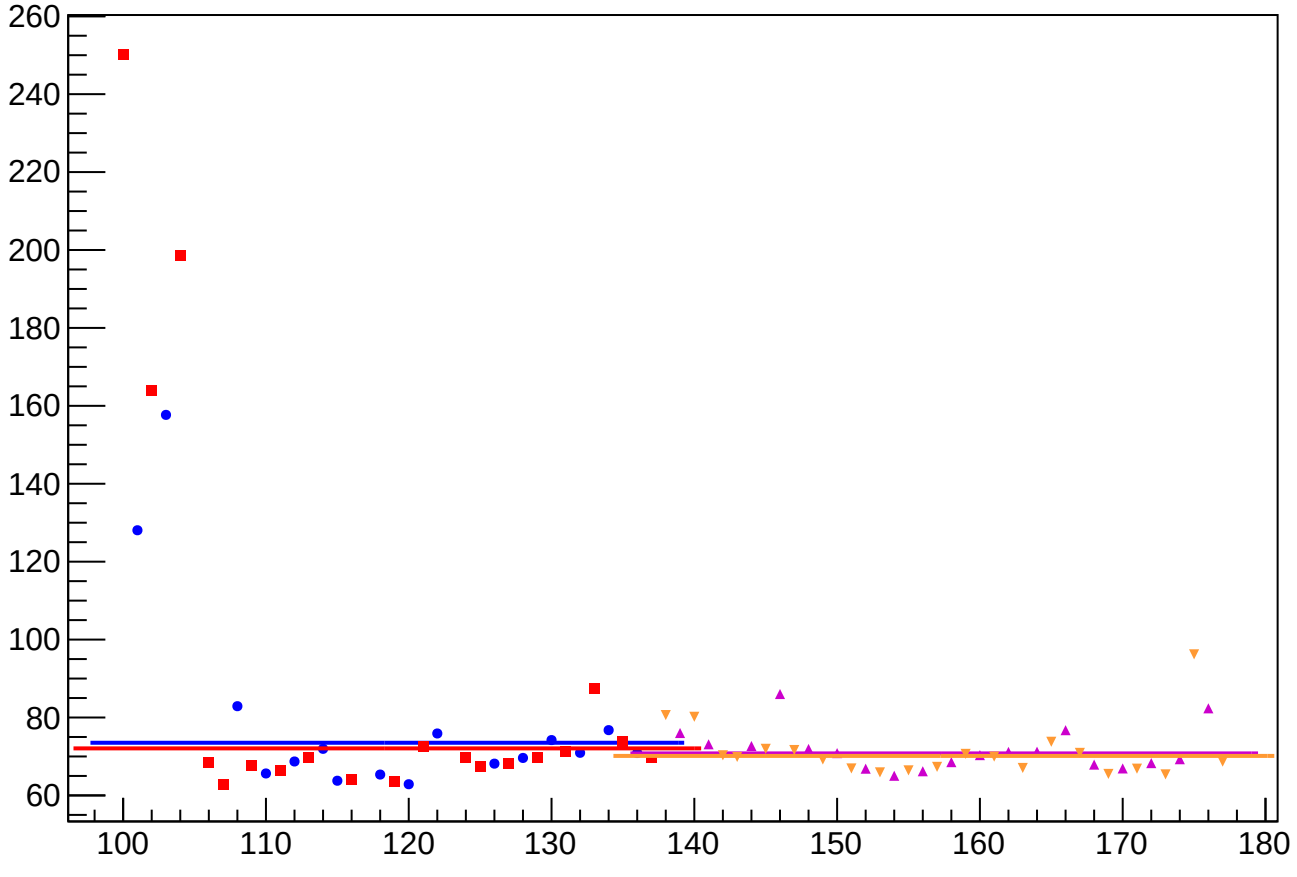
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 56.964+/-15.203 χ^2/NDF:57.7/34

Out: 64.588+/-14.631 χ^2/NDF:81.2/39

All: 60.922+/-10.542 χ^2/NDF: 139.1/74

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 70.142+/-0.012 χ^2/NDF:219723.5/20

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

Left In: 70.784+/-0.013 χ^2/NDF:139113.0/18

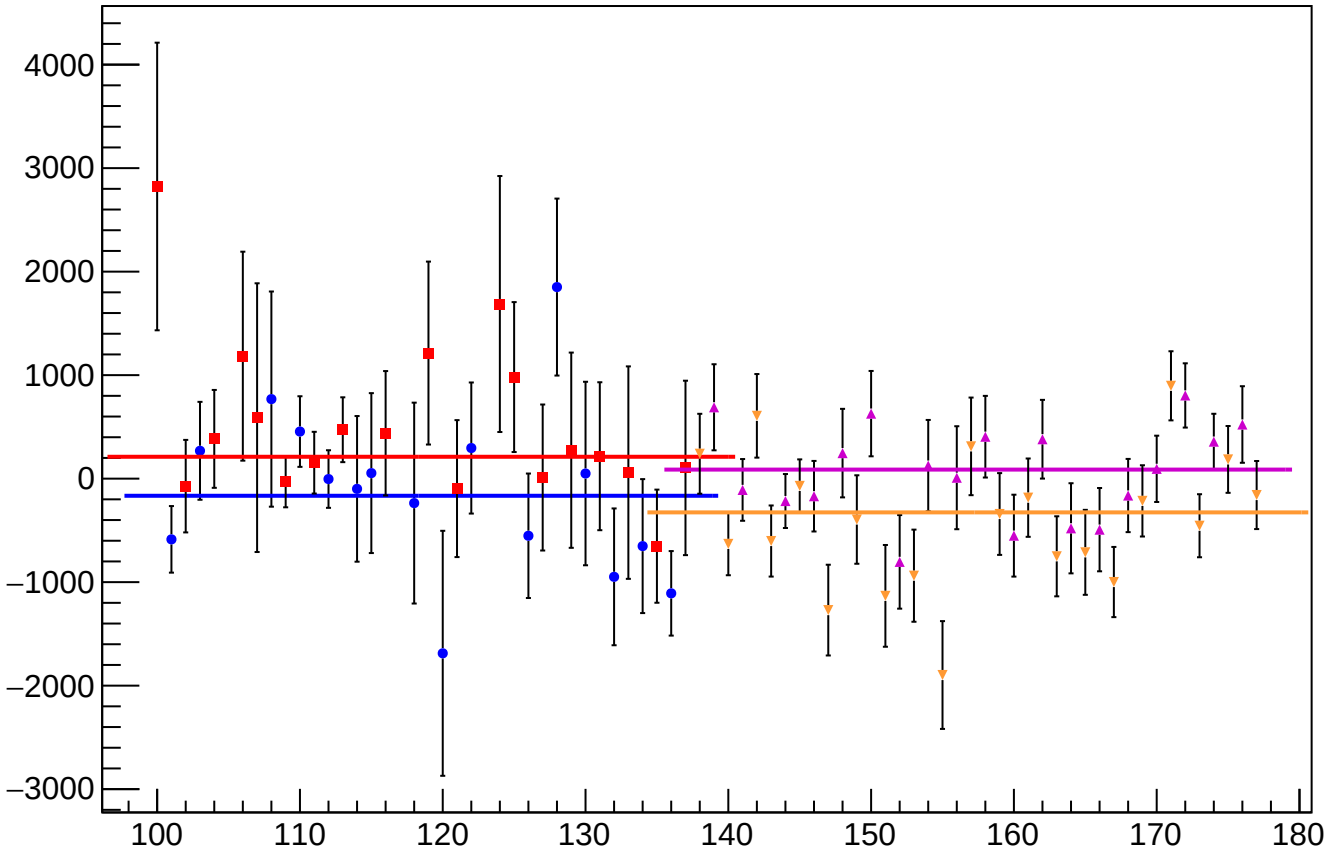
Left: 70.449+/-0.009 χ^2/NDF: 360151.7/39

Right: 72.778+/-0.014 χ^2/NDF: 1618058.1/34

In: 71.585+/-0.011 χ^2/NDF:809370.4/34

Out: 70.693+/-0.010 χ^2/NDF:1185327.5/39

All: 71.122+/-0.007 χ^2/NDF: 1998274.3/74



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -326.055+/-79.747 χ^2/NDF:53.0/20

Right Out: 211.347+/-120.121 χ^2/NDF: 13.6/18

Left In: 87.447+/-82.709 χ^2/NDF:26.1/18

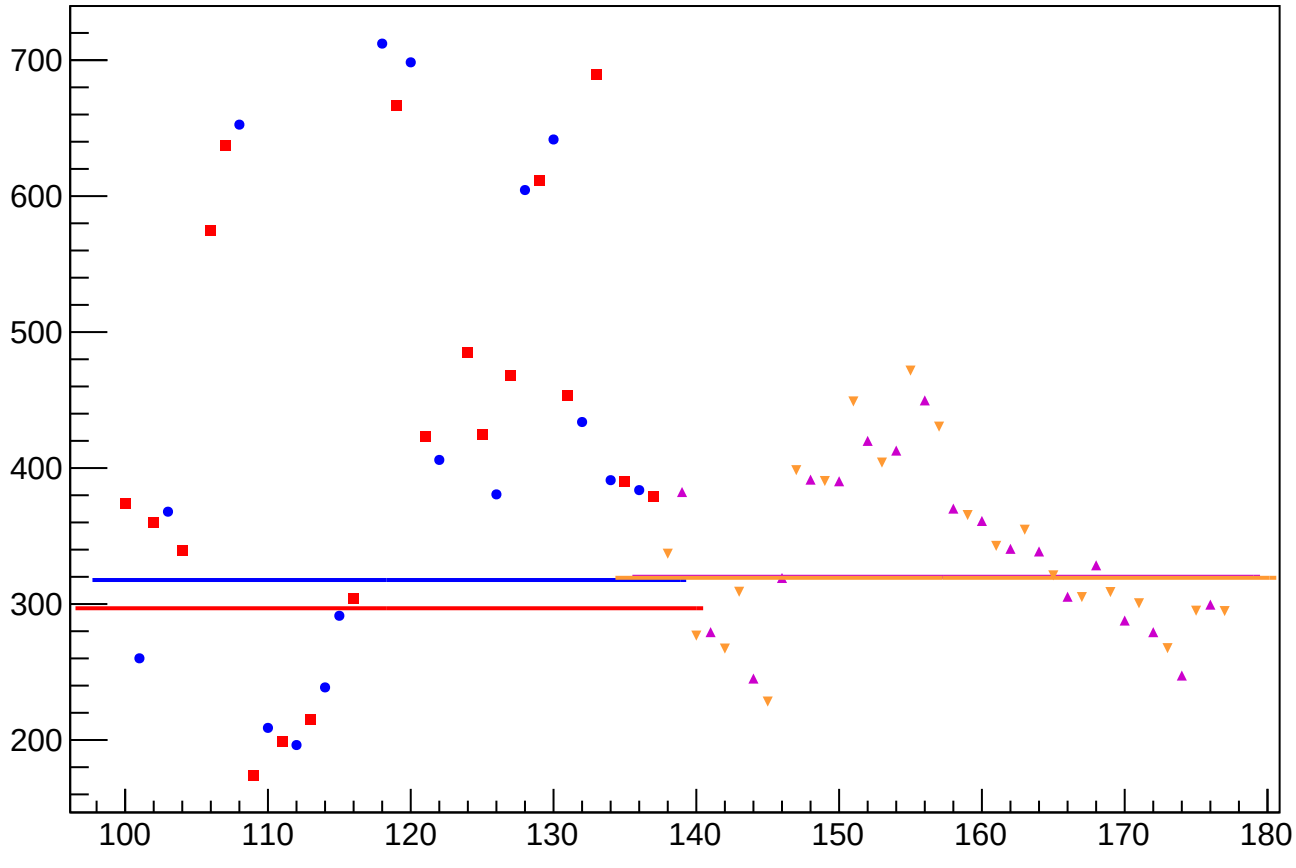
Left: -126.842+/-57.408 χ^2/NDF: 92.0/39

Right: 35.517+/-87.731 χ^2/NDF: 40.8/34

In: 13.300+/-69.538 χ^2/NDF:51.4/34

Out: -161.656+/-66.439 χ^2/NDF:80.5/39

All: -78.164+/-48.038 χ^2/NDF: 135.2/74



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 319.292+/-0.056 χ^2/NDF:1089098.2/20

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

Left In: 320.051+/-0.058 χ^2/NDF:956889.8/18

Left: 319.658+/-0.041 χ^2/NDF: 2046075.4/39

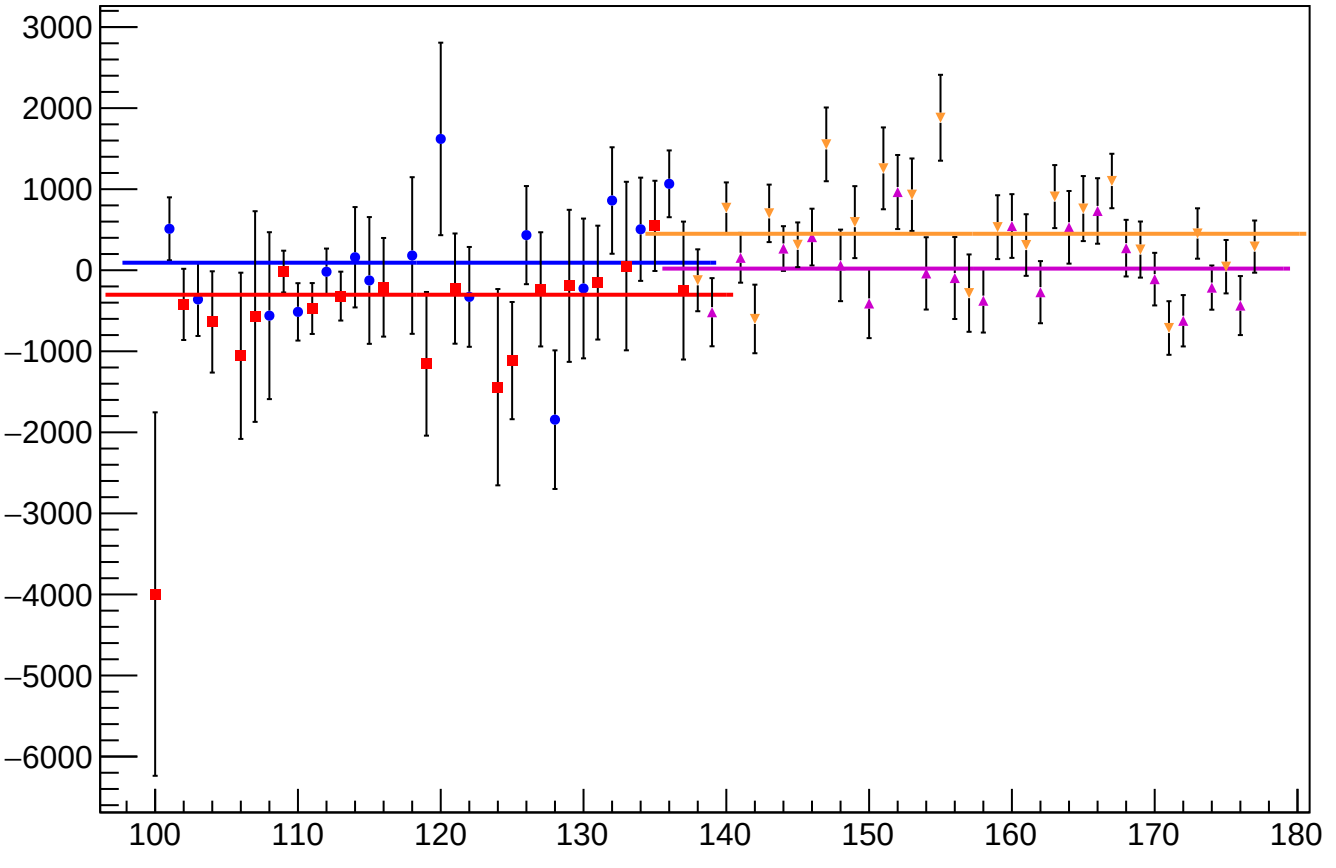
Right: 306.580+/-0.062 χ^2/NDF: 4705187.9/34

In: 319.351+/-0.049 χ^2/NDF:3093603.8/34

Out: 312.438+/-0.047 χ^2/NDF:3678446.2/39

All: 315.737+/-0.034 χ^2/NDF: 6782383.0/74

asym_sam7_mean vs Slug, Sign Corrected



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 449.790+/-81.049 χ^2/NDF:49.9/20

Right Out: -302.273+/-123.916 χ^2/NDF: 10.8/18

Left In: 20.103+/-84.102 χ^2/NDF:24.1/18

Left: 242.885+/-58.360 χ^2/NDF: 87.6/39

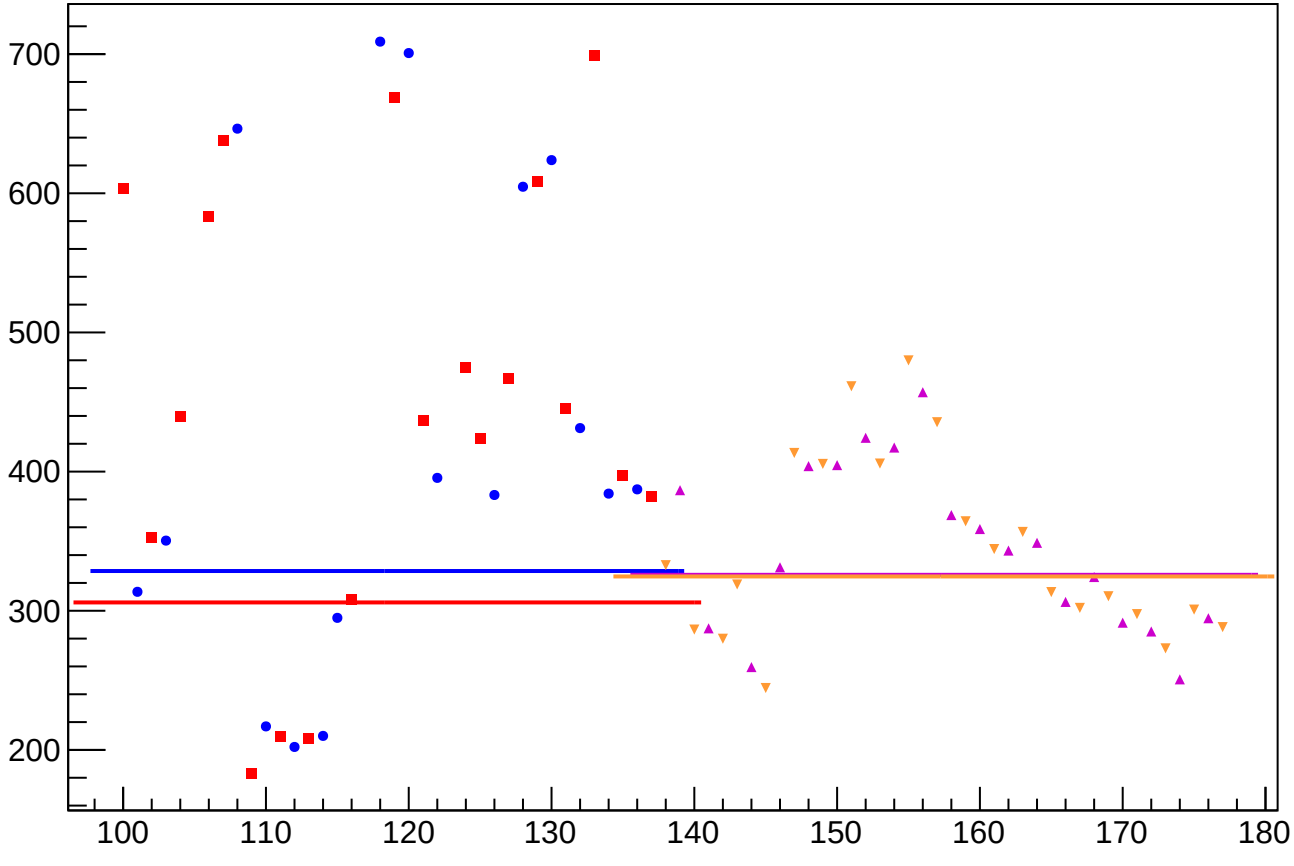
Right: -117.093+/-90.322 χ^2/NDF: 36.4/34

In: 41.110+/-70.917 χ^2/NDF:45.1/34

Out: 224.456+/-67.829 χ^2/NDF:86.5/39

All: 136.862+/-49.018 χ^2/NDF: 135.2/74

asym_sam7_rms vs Slug, Sign Corrected



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 324.659+/-0.057 χ^2/NDF:1014455.8/20

Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 325.829+/-0.059 χ^2/NDF:905306.8/18

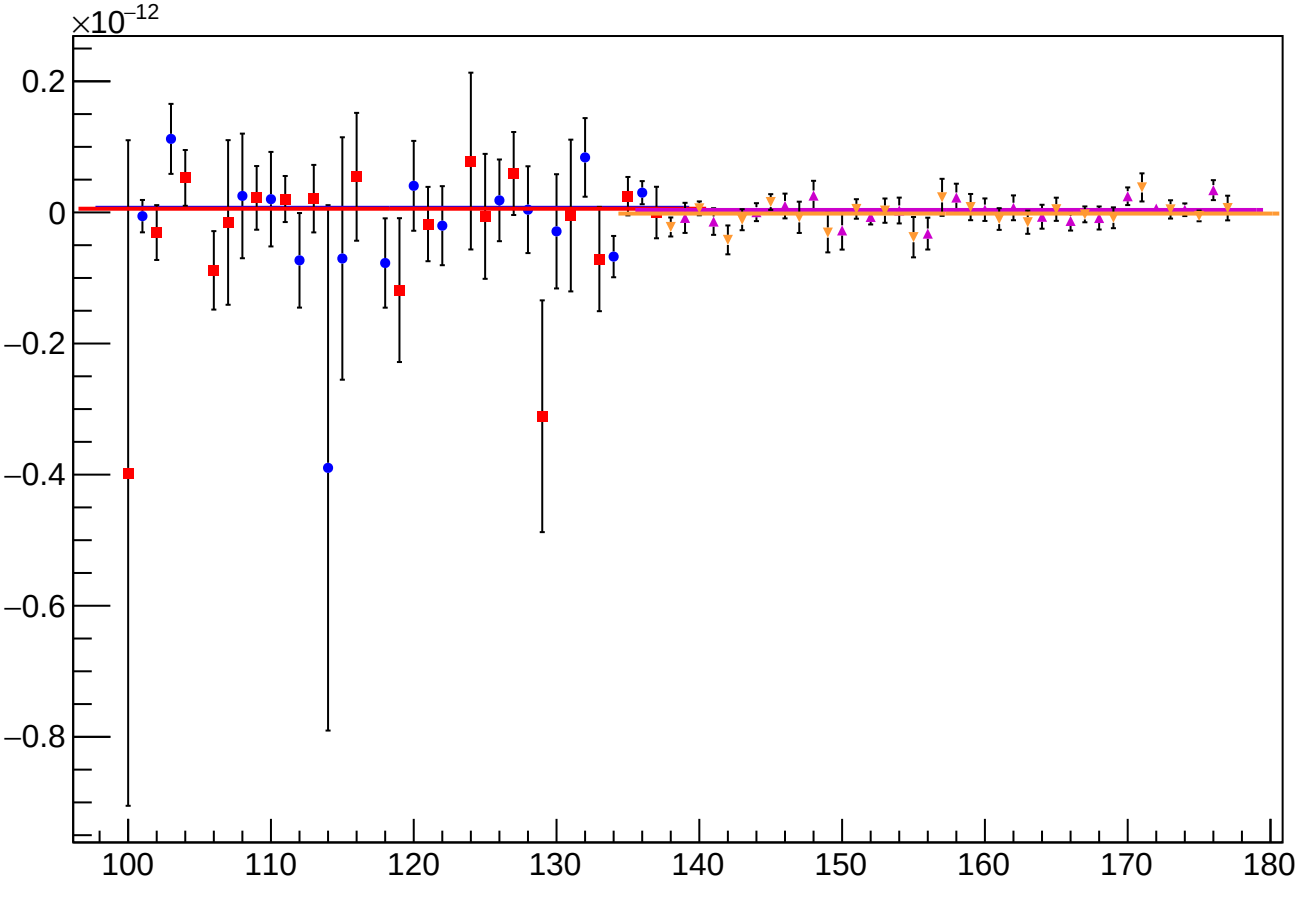
Left: 325.222+/-0.041 χ^2/NDF: 1919963.2/39

Right: 316.571+/-0.064 χ^2/NDF: 4517458.9/34

In: 326.620+/-0.050 χ^2/NDF:2864792.6/34

Out: 319.065+/-0.048 χ^2/NDF:3573719.6/39

All: 322.674+/-0.035 χ^2/NDF: 6450366.5/74



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: 0.000+/-0.000 χ^2/NDF:15.7/18

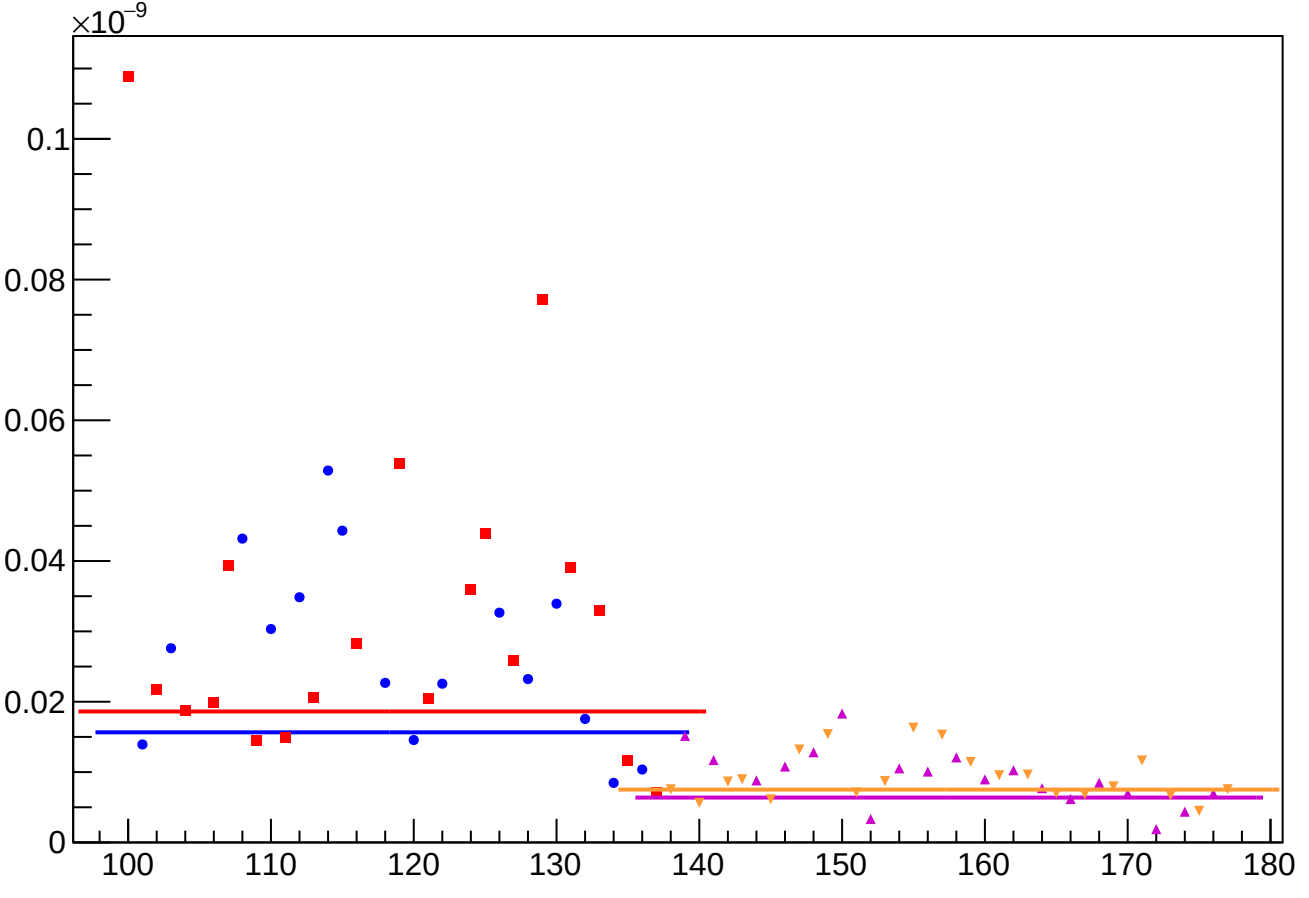
Left: 0.000+/-0.000 χ^2/NDF: 34.3/39

Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:33.5/34

Out: -0.000+/-0.000 χ^2/NDF:30.3/39

All: 0.000+/-0.000 χ^2/NDF: 65.2/74



Right In: 0.000+/-0.000 χ^2/NDF: 1164380.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1193110.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1228542.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2697790.2/18

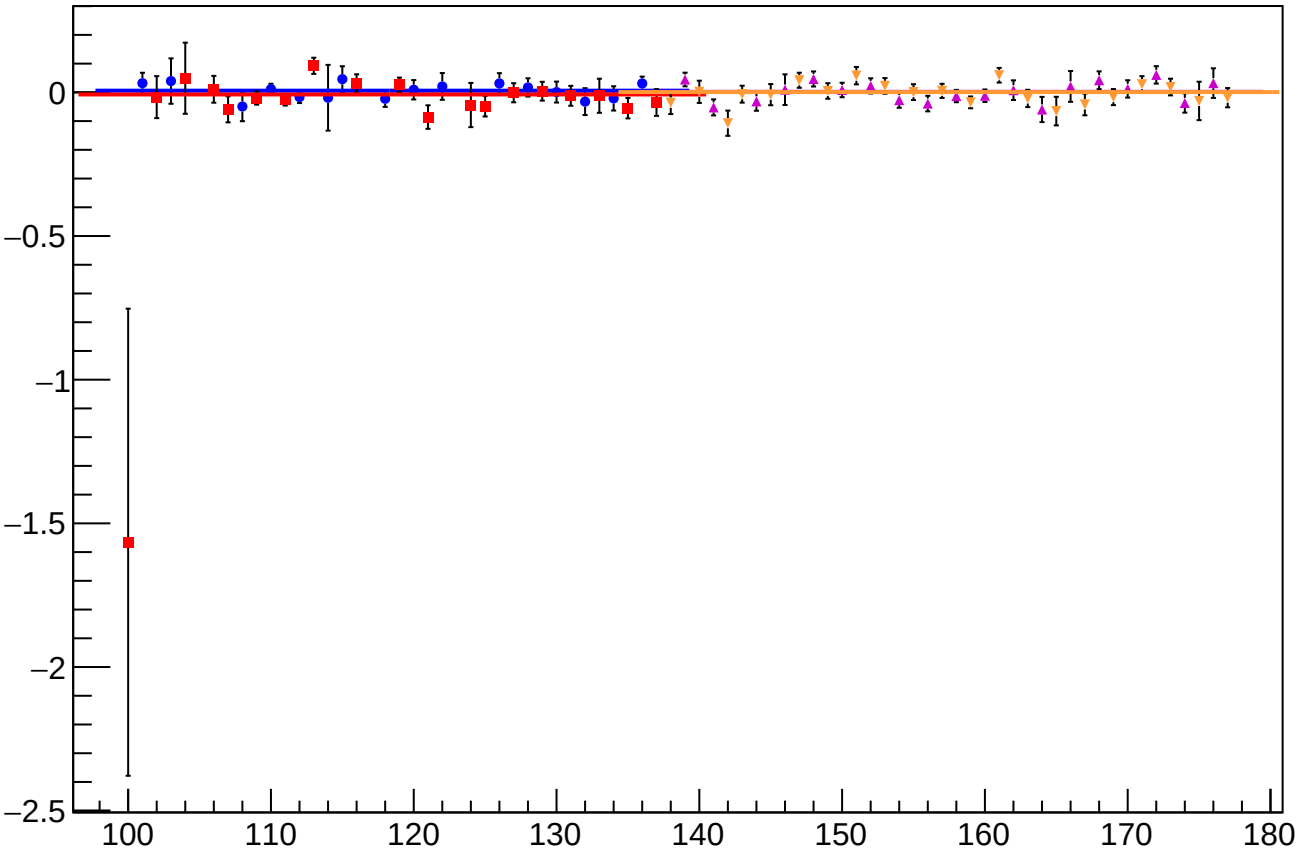
Left: 0.000+/-0.000 χ^2/NDF: 4004908.1/39

Right: 0.000+/-0.000 χ^2/NDF: 2454460.5/34

In: 0.000+/-0.000 χ^2/NDF:5174888.8/34

Out: 0.000+/-0.000 χ^2/NDF:3821156.8/39

All: 0.000+/-0.000 χ^2/NDF: 9104706.0/74



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:27.9/20

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.002+/-0.007 χ^2/NDF:25.3/18

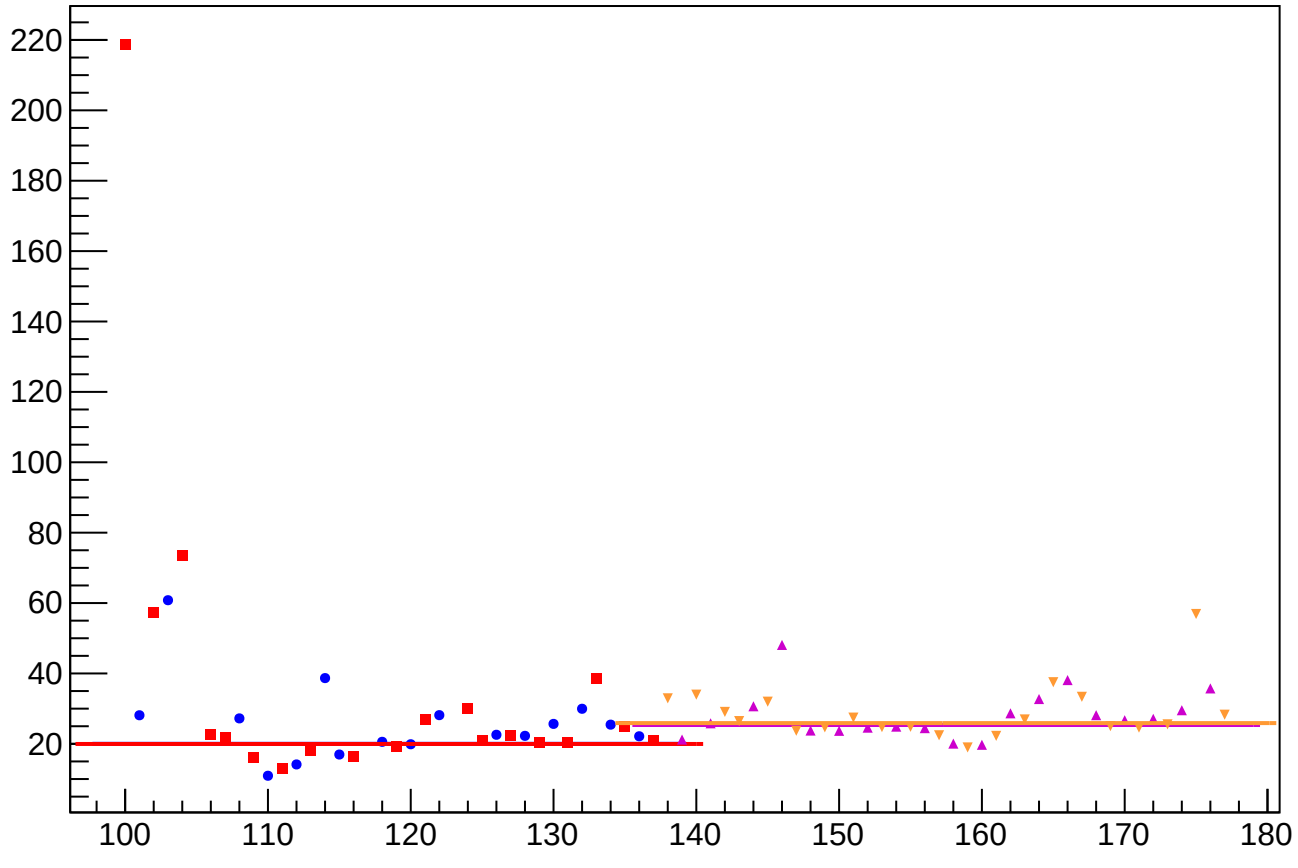
Left: 0.001+/-0.005 χ^2/NDF: 53.2/39

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.003+/-0.005 χ^2/NDF:33.4/34

Out: -0.002+/-0.005 χ^2/NDF:58.3/39

All: 0.001+/-0.004 χ^2/NDF: 92.3/74



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 25.894+/-0.005 χ^2/NDF:1187585.2/20

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 25.358+/-0.005 χ^2/NDF:1081712.5/18

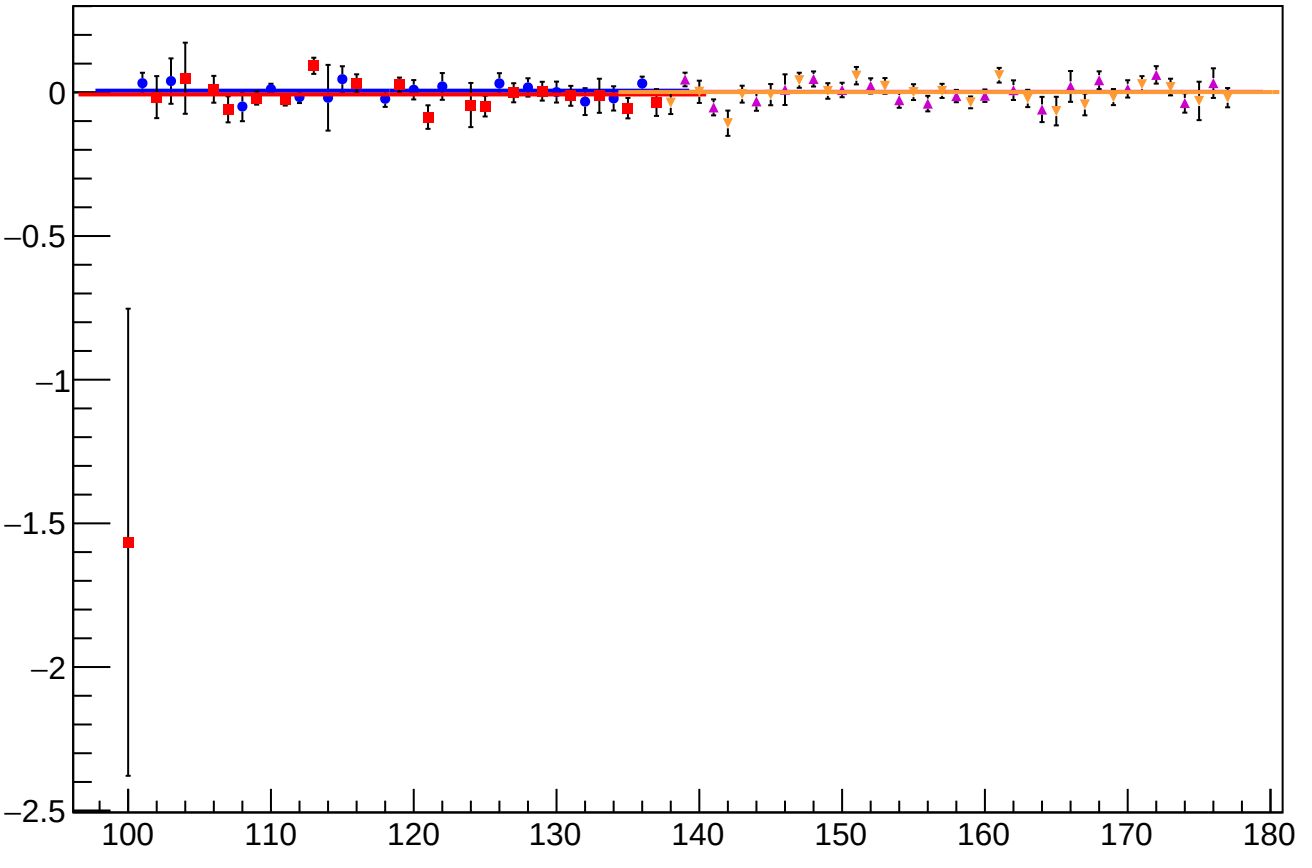
Left: 25.631+/-0.003 χ^2/NDF: 2275746.2/39

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 23.191+/-0.004 χ^2/NDF:3235643.5/34

Out: 23.519+/-0.004 χ^2/NDF:3548300.6/39

All: 23.358+/-0.003 χ^2/NDF: 6787988.2/74



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:27.9/20

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.002+/-0.007 χ^2/NDF:25.3/18

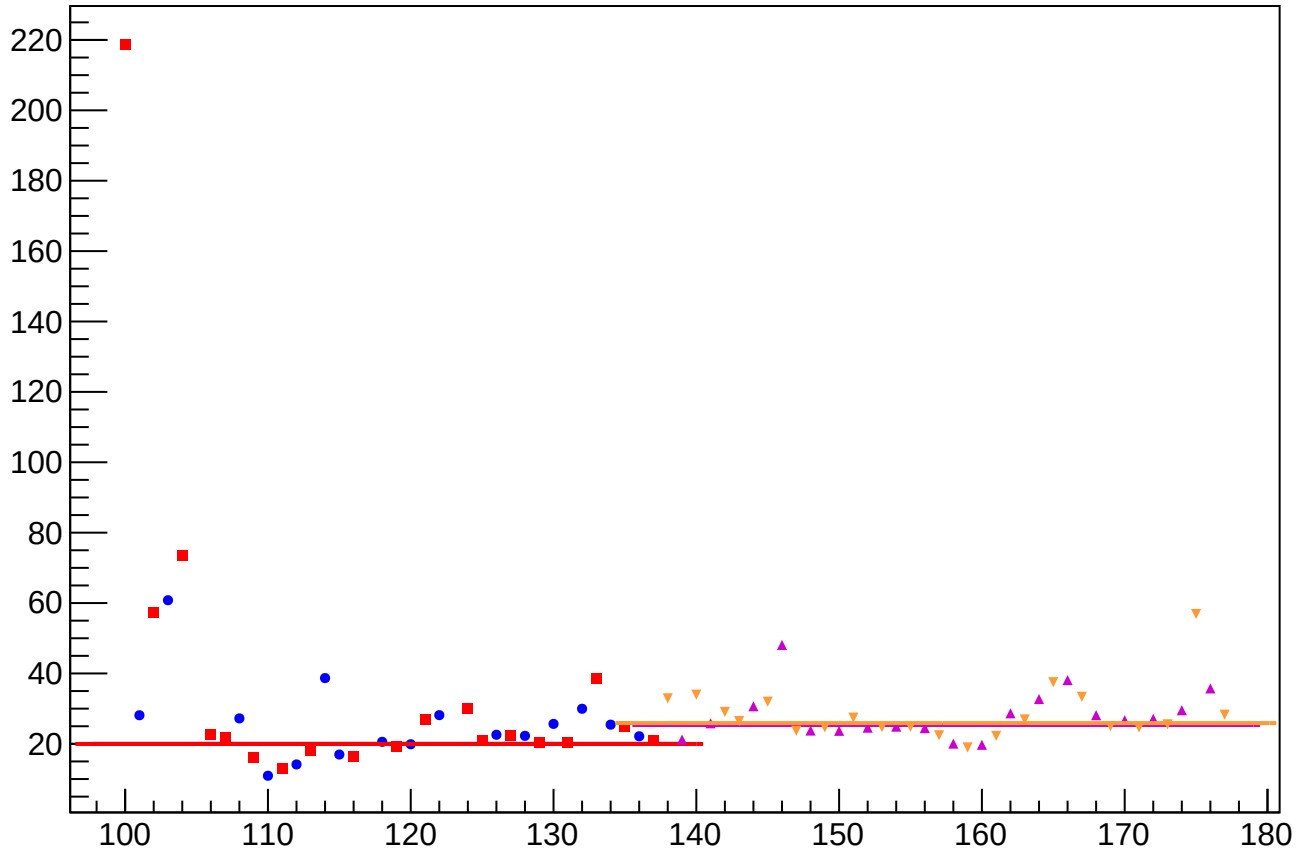
Left: 0.001+/-0.005 χ^2/NDF: 53.2/39

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.003+/-0.005 χ^2/NDF:33.4/34

Out: -0.002+/-0.005 χ^2/NDF:58.3/39

All: 0.001+/-0.004 χ^2/NDF: 92.3/74



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 25.894+/-0.005 χ^2/NDF:1187585.2/20

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 25.358+/-0.005 χ^2/NDF:1081712.5/18

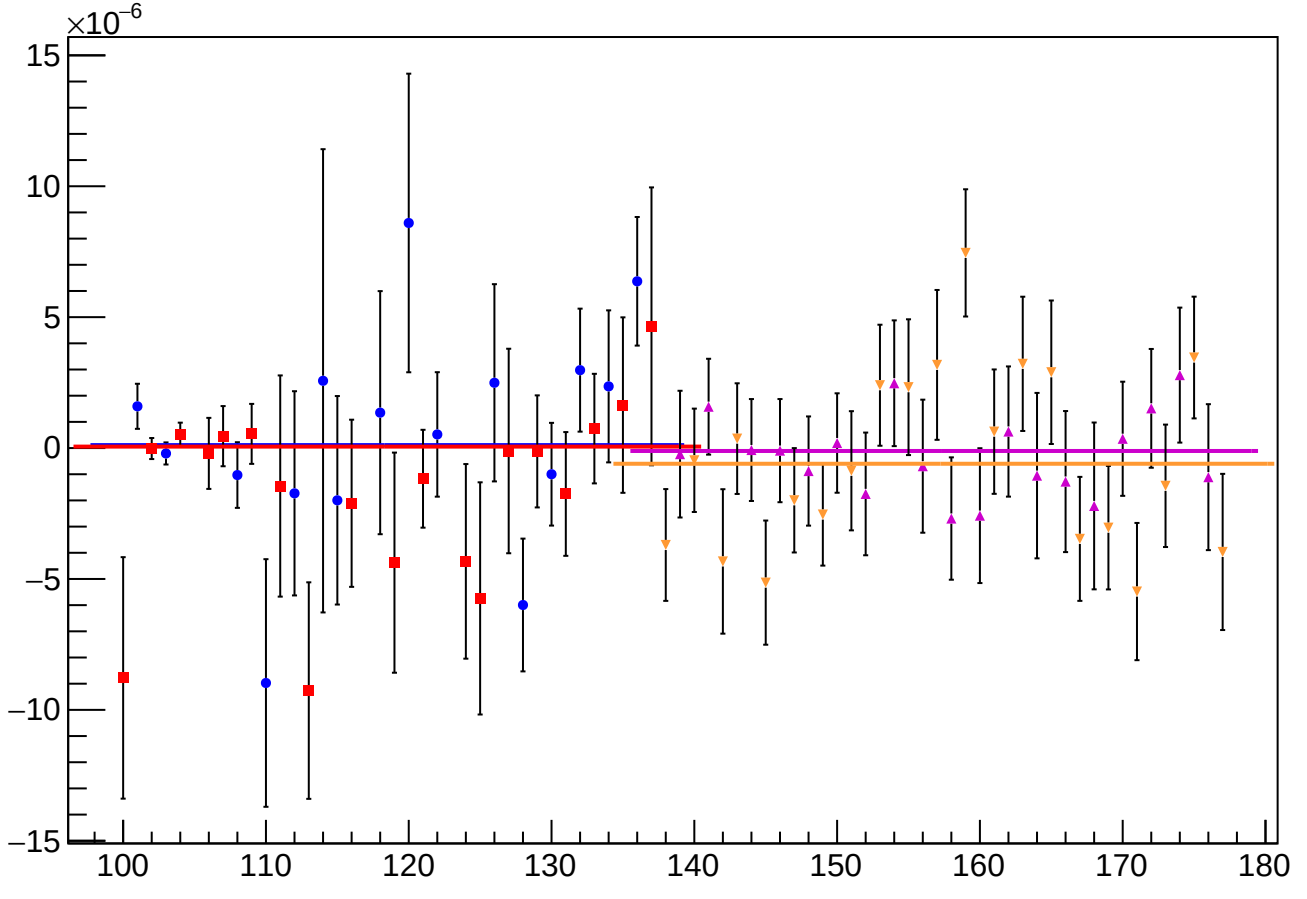
Left: 25.631+/-0.003 χ^2/NDF: 2275746.2/39

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 23.191+/-0.004 χ^2/NDF:3235643.5/34

Out: 23.519+/-0.004 χ^2/NDF:3548300.6/39

All: 23.358+/-0.003 χ^2/NDF: 6787988.2/74



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.6/20

Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/18

Left In: -0.000+/-0.000 χ^2/NDF:7.6/18

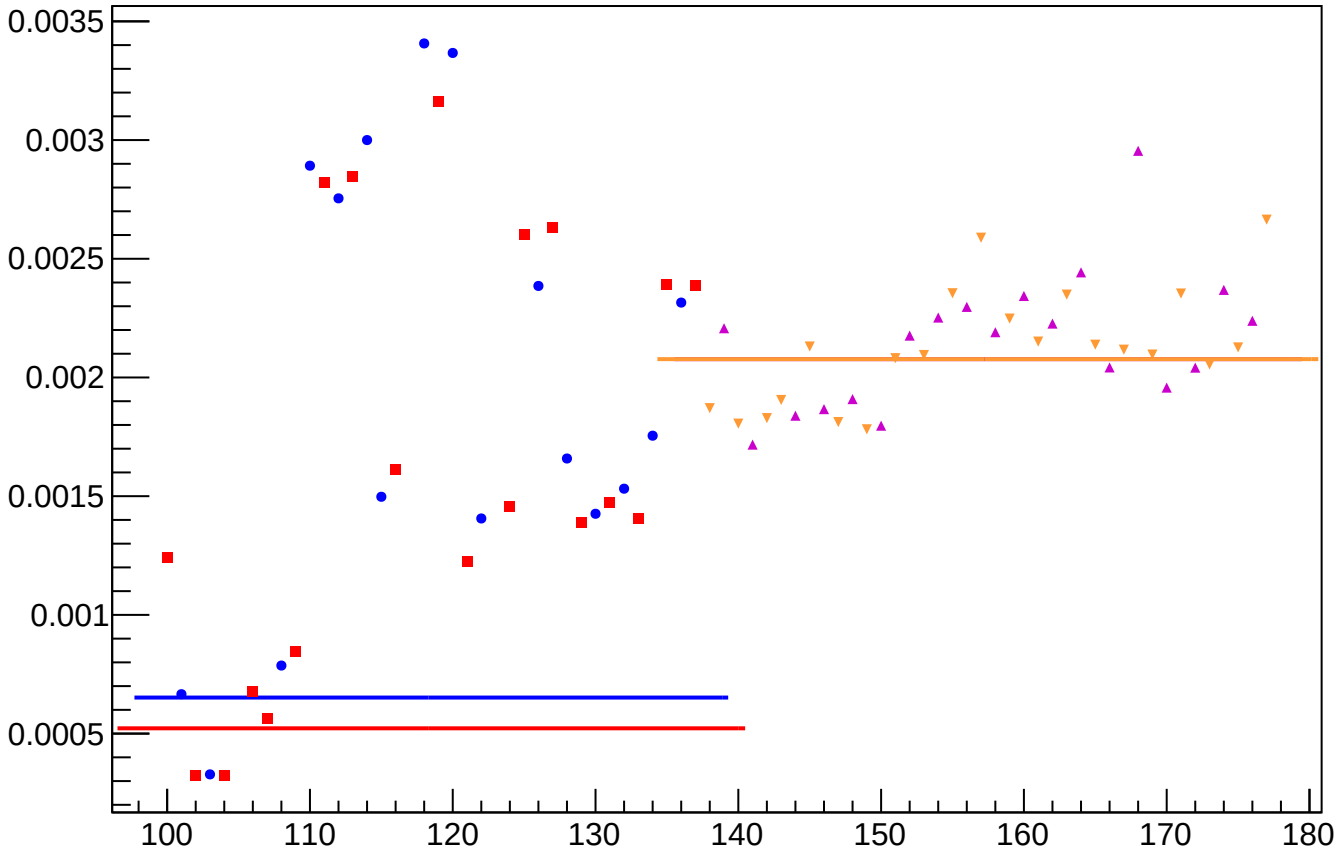
Left: -0.000+/-0.000 χ^2/NDF: 47.6/39

Right: 0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:33.8/34

Out: -0.000+/-0.000 χ^2/NDF:58.0/39

All: -0.000+/-0.000 χ^2/NDF: 91.9/74



Right In: 0.001+/-0.000 χ^2/NDF: 6357494.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:392167.7/20

Right Out: 0.001+/-0.000 χ^2/NDF: 6676790.5/18

Left In: 0.002+/-0.000 χ^2/NDF:472770.8/18

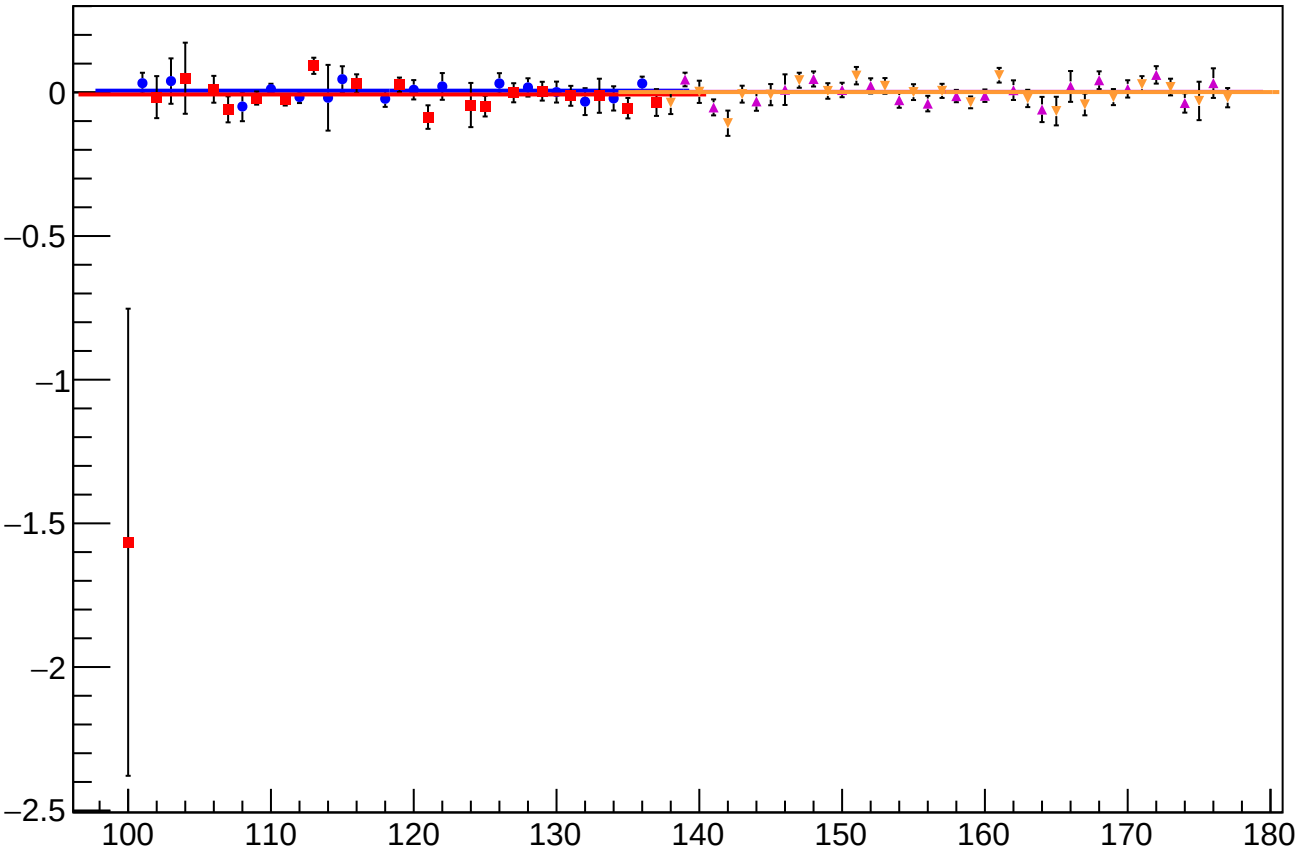
Left: 0.002+/-0.000 χ^2/NDF: 864938.5/39

Right: 0.001+/-0.000 χ^2/NDF: 13221881.1/34

In: 0.001+/-0.000 χ^2/NDF:17119651.9/34

Out: 0.001+/-0.000 χ^2/NDF:21654057.5/39

All: 0.001+/-0.000 χ^2/NDF: 39452413.9/74



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:27.9/20

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.002+/-0.007 χ^2/NDF:25.3/18

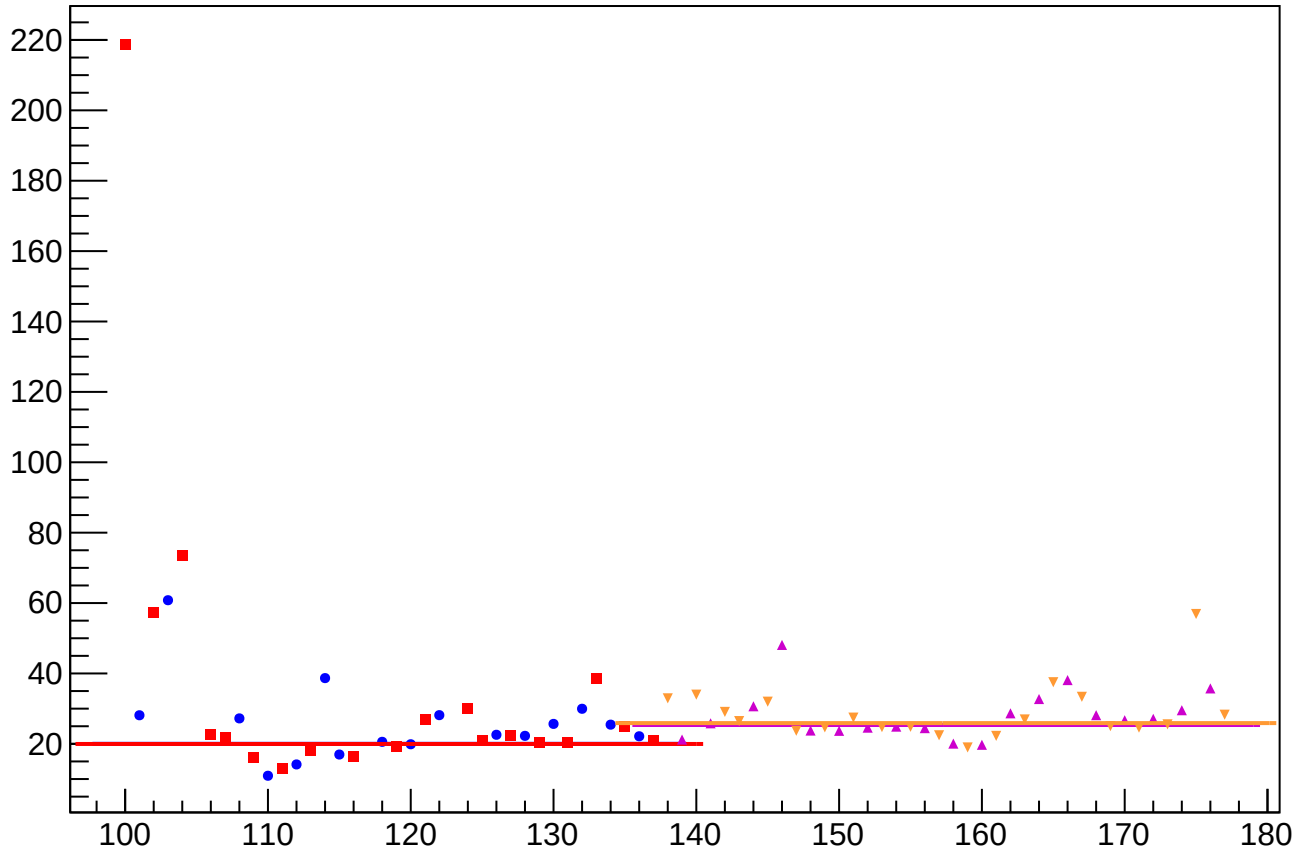
Left: 0.001+/-0.005 χ^2/NDF: 53.2/39

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.003+/-0.005 χ^2/NDF:33.4/34

Out: -0.002+/-0.005 χ^2/NDF:58.3/39

All: 0.001+/-0.004 χ^2/NDF: 92.3/74



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 25.894+/-0.005 χ^2/NDF:1187636.2/20

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 25.358+/-0.005 χ^2/NDF:1081774.1/18

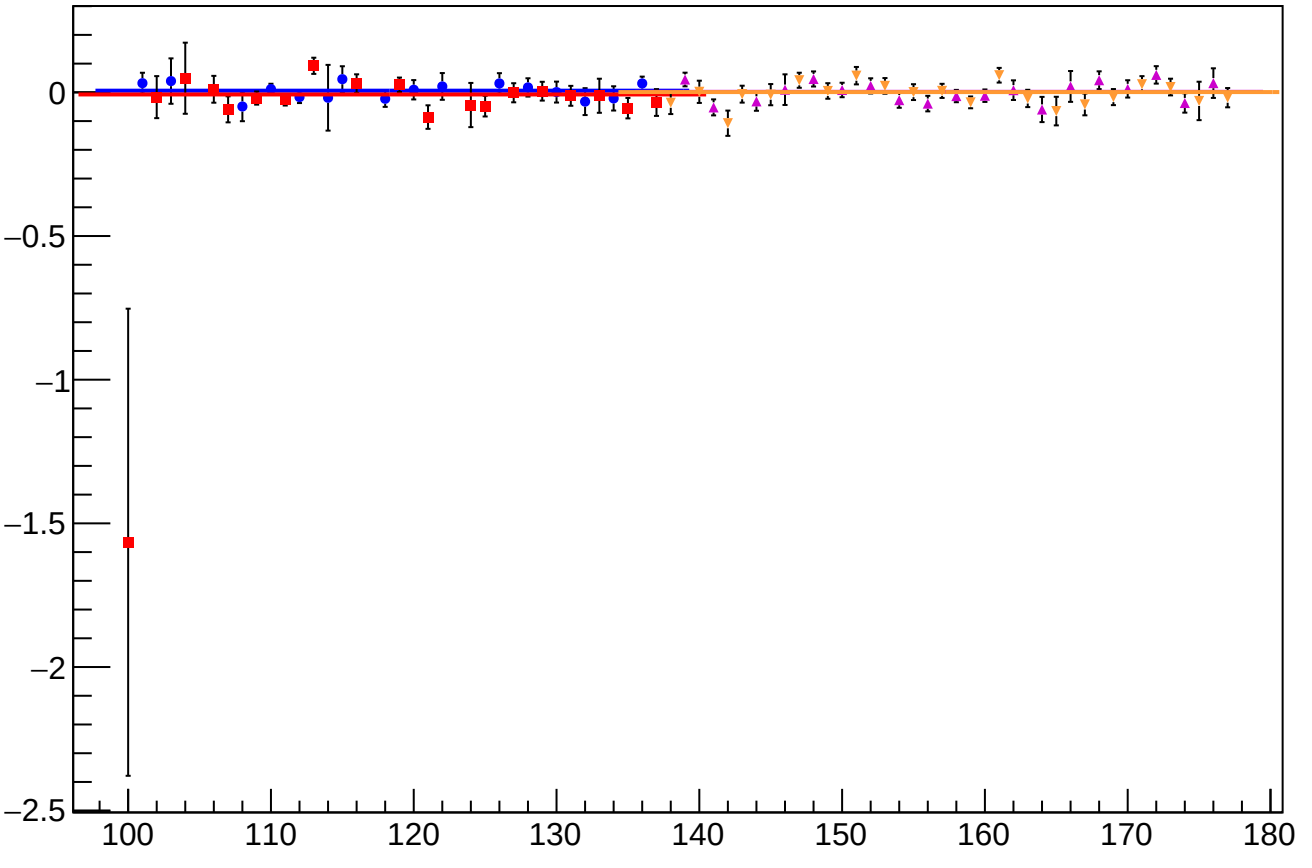
Left: 25.631+/-0.003 χ^2/NDF: 2275859.6/39

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 23.191+/-0.004 χ^2/NDF:3235426.8/34

Out: 23.519+/-0.004 χ^2/NDF:3548258.3/39

All: 23.358+/-0.003 χ^2/NDF: 6787725.4/74



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:27.9/20

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.002+/-0.007 χ^2/NDF:25.3/18

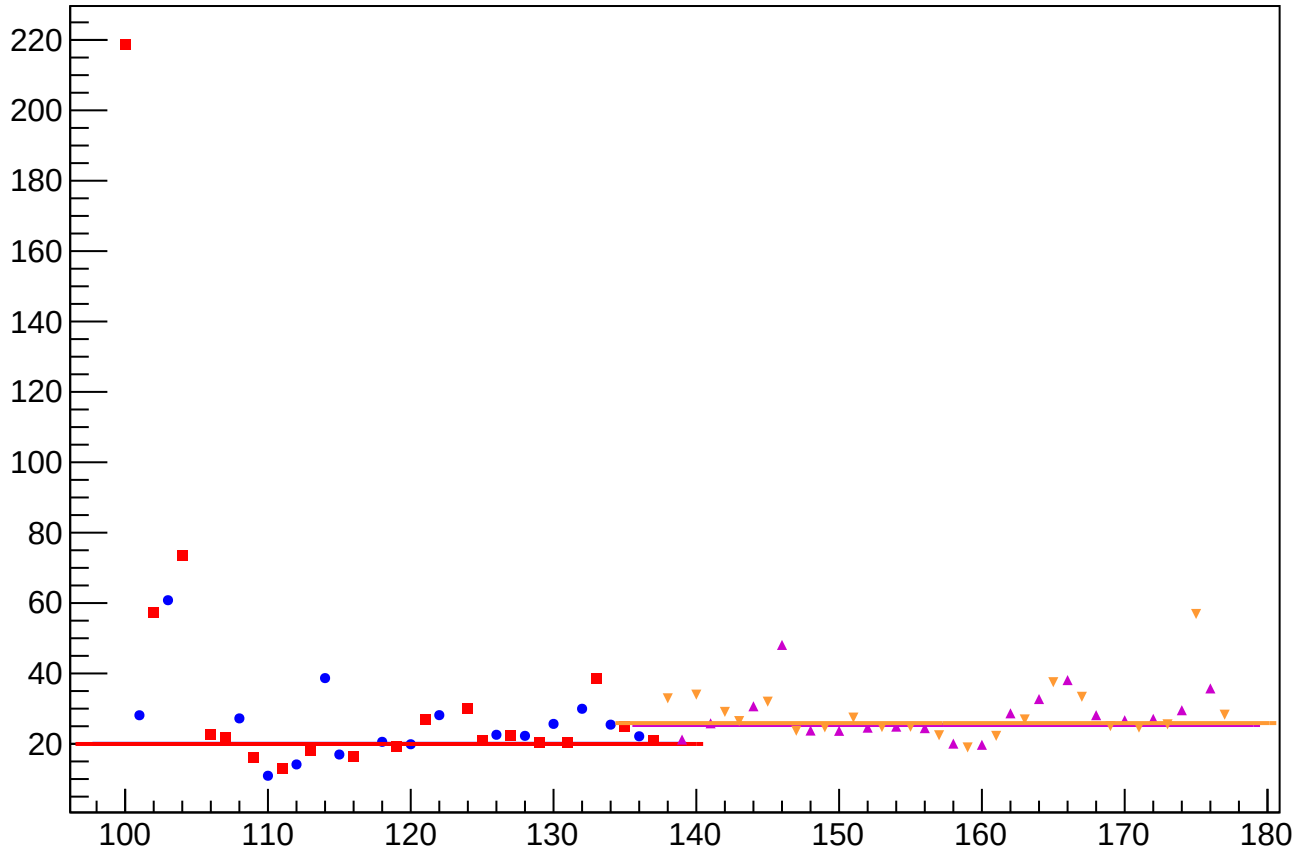
Left: 0.001+/-0.005 χ^2/NDF: 53.2/39

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.003+/-0.005 χ^2/NDF:33.4/34

Out: -0.002+/-0.005 χ^2/NDF:58.3/39

All: 0.001+/-0.004 χ^2/NDF: 92.3/74



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 25.894+/-0.005 χ^2/NDF:1187636.2/20

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 25.358+/-0.005 χ^2/NDF:1081774.1/18

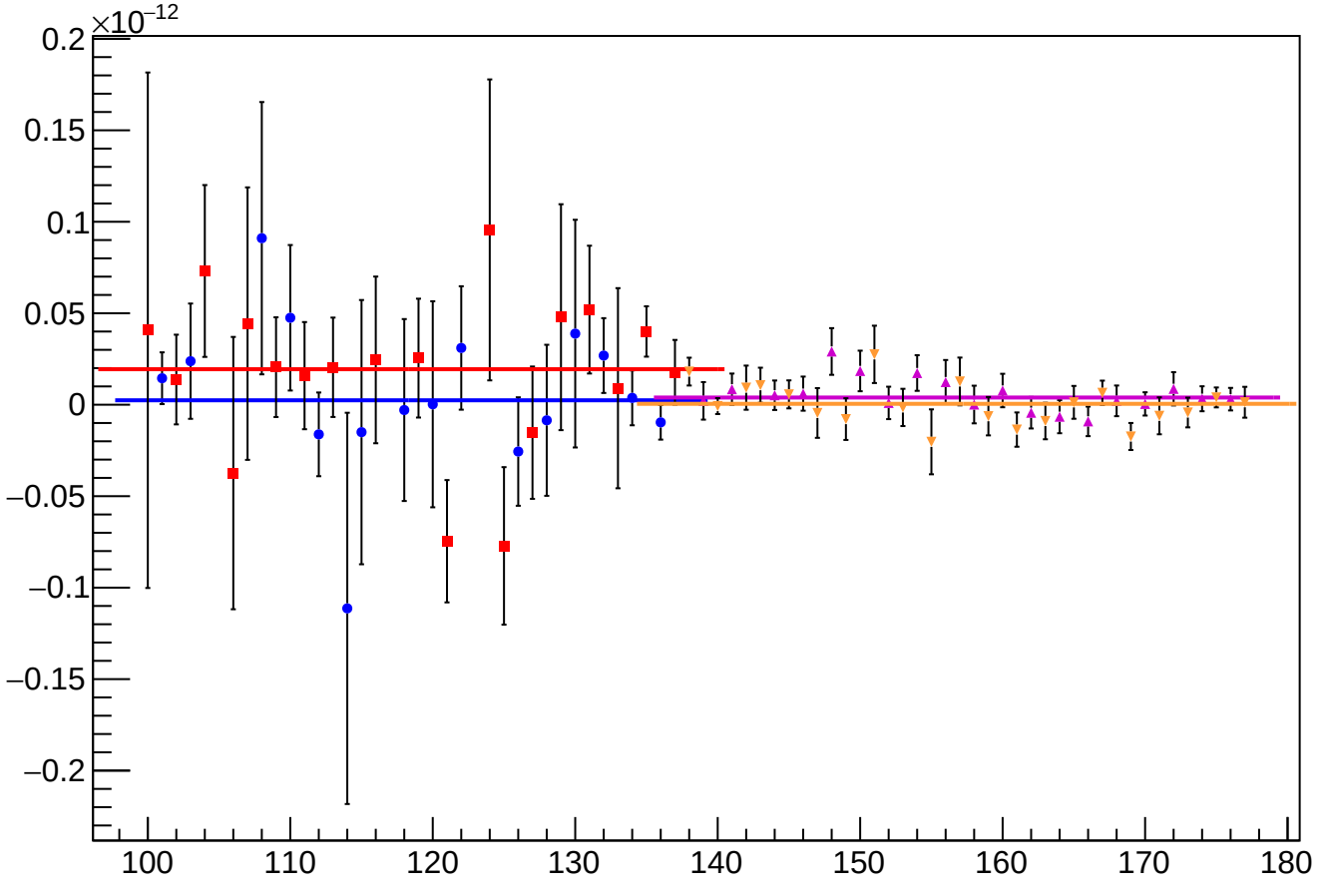
Left: 25.631+/-0.003 χ^2/NDF: 2275859.6/39

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 23.191+/-0.004 χ^2/NDF:3235426.8/34

Out: 23.519+/-0.004 χ^2/NDF:3548258.3/39

All: 23.358+/-0.003 χ^2/NDF: 6787725.4/74



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

Left Out: 0.000+/-0.000 χ^2/NDF:24.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:14.3/18

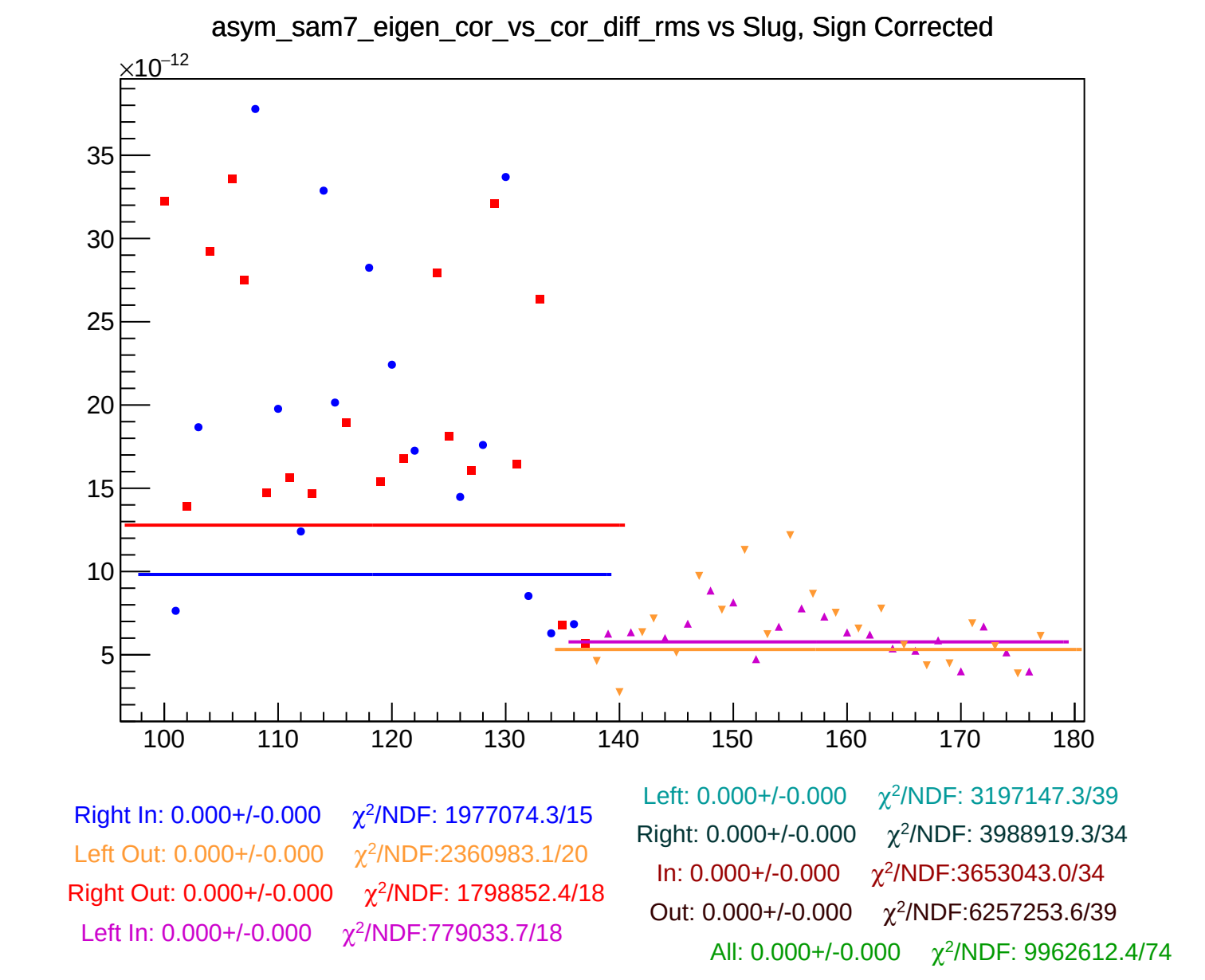
Left: 0.000+/-0.000 χ^2/NDF: 40.9/39

Right: 0.000+/-0.000 χ^2/NDF: 34.6/34

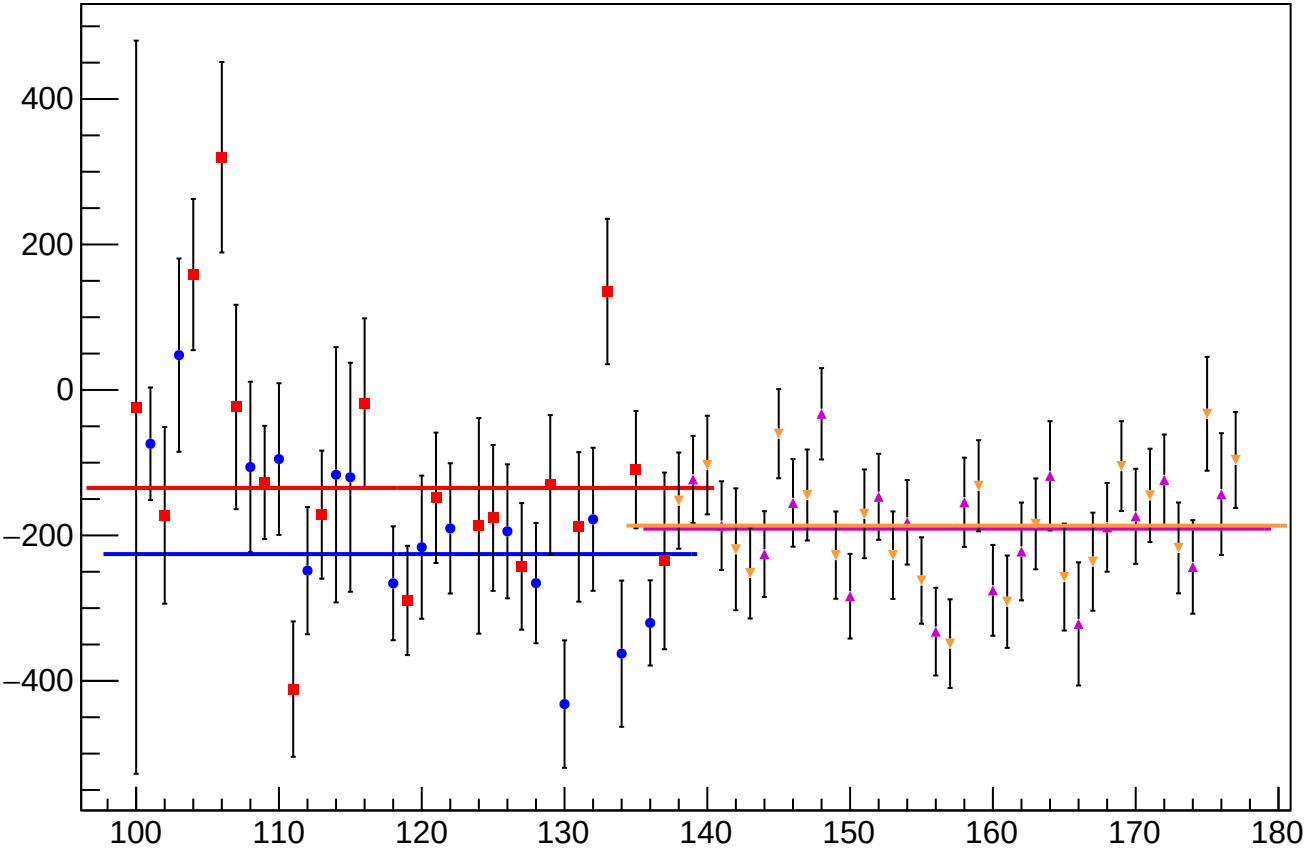
In: 0.000+/-0.000 χ^2/NDF:25.2/34

Out: 0.000+/-0.000 χ^2/NDF:51.9/39

All: 0.000+/-0.000 χ^2/NDF: 77.8/74


asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1977074.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2360983.1/20
Right Out: 0.000+/-0.000 χ²/NDF: 1798852.4/18
Left In: 0.000+/-0.000 χ²/NDF:779033.7/18
Left: 0.000+/-0.000 χ²/NDF: 3197147.3/39
Right: 0.000+/-0.000 χ²/NDF: 3988919.3/34
In: 0.000+/-0.000 χ²/NDF:3653043.0/34
Out: 0.000+/-0.000 χ²/NDF:6257253.6/39
All: 0.000+/-0.000 χ²/NDF: 9962612.4/74

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -186.551+/-14.057 χ^2/NDF:30.5/20

Right Out: -134.762+/-23.192 χ^2/NDF: 45.3/18

Left In: -190.744+/-14.553 χ^2/NDF:24.9/18

Left: -188.575+/-10.110 χ^2/NDF: 55.5/39

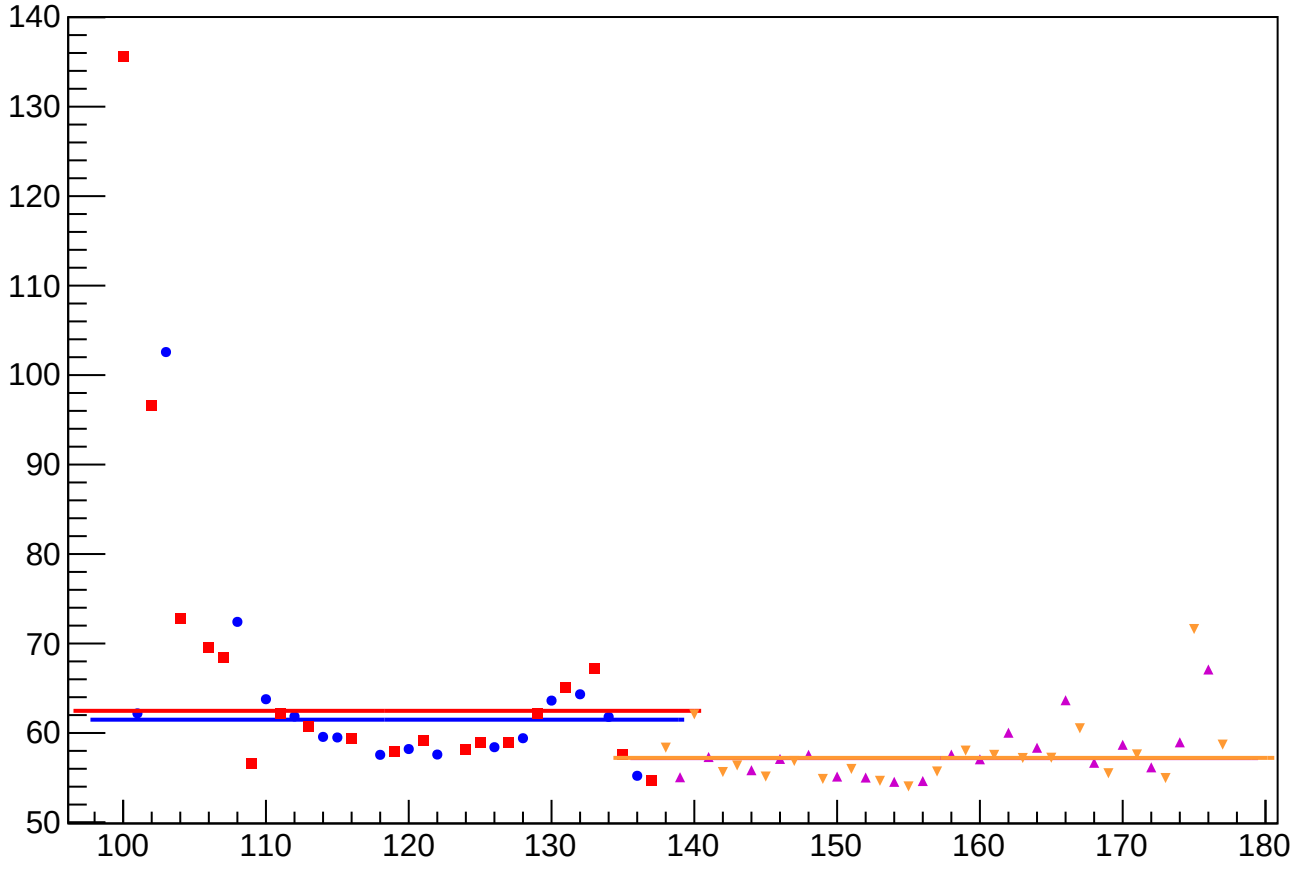
Right: -180.371+/-16.373 χ^2/NDF: 75.6/34

In: -200.662+/-12.316 χ^2/NDF:49.1/34

Out: -172.637+/-12.021 χ^2/NDF:79.4/39

All: -186.310+/-8.602 χ^2/NDF: 131.2/74

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 57.217+/-0.010 χ^2/NDF:107029.9/20

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

Left In: 57.191+/-0.010 χ^2/NDF:63659.6/18

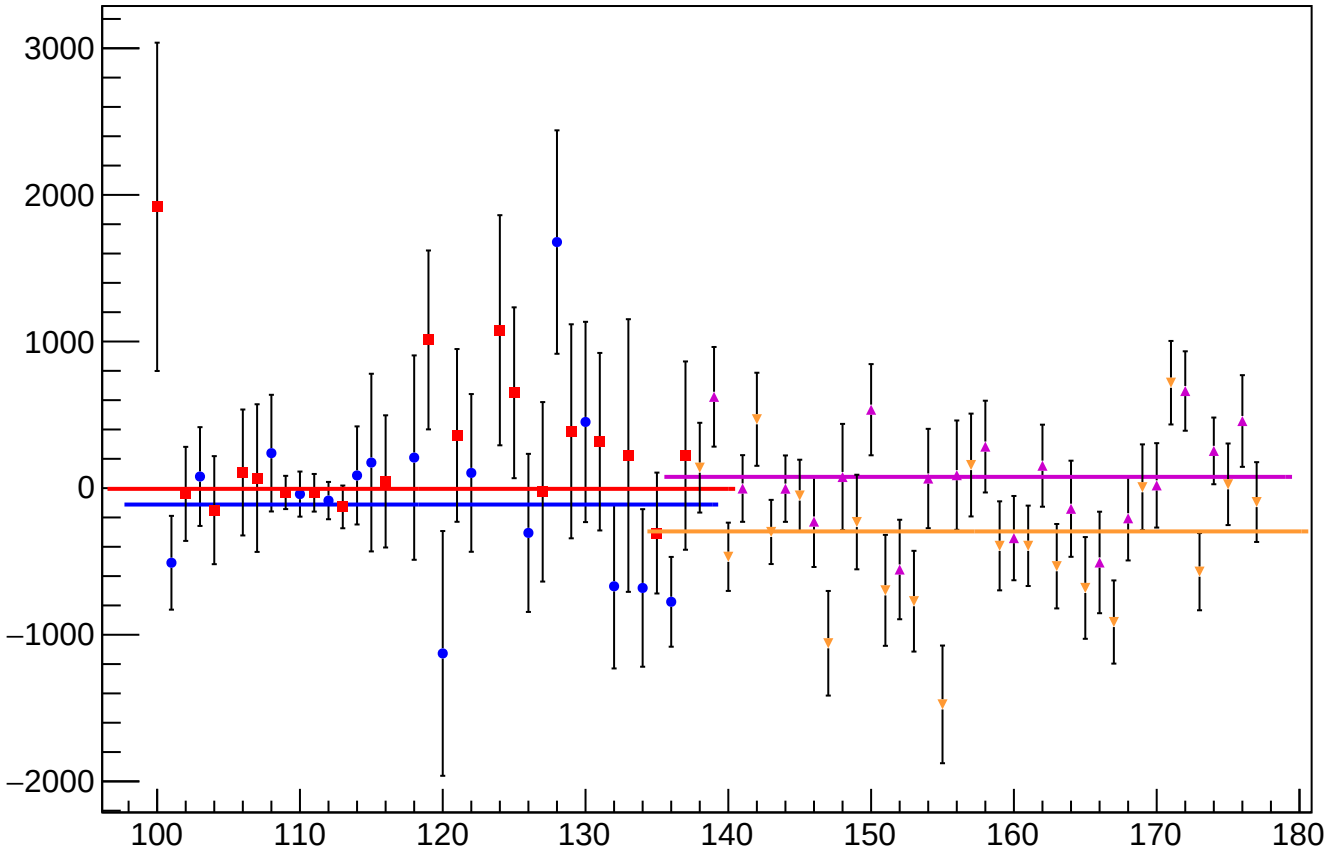
Left: 57.204+/-0.007 χ^2/NDF: 170692.9/39

Right: 61.979+/-0.012 χ^2/NDF: 533645.0/34

In: 58.410+/-0.009 χ^2/NDF:363769.4/34

Out: 58.630+/-0.009 χ^2/NDF:463376.8/39

All: 58.523+/-0.006 χ^2/NDF: 827473.7/74



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -295.146+/-63.788 χ^2/NDF:50.9/20

Right Out: -4.893+/-63.933 χ^2/NDF: 11.6/18

Left In: 76.848+/-67.338 χ^2/NDF:23.1/18

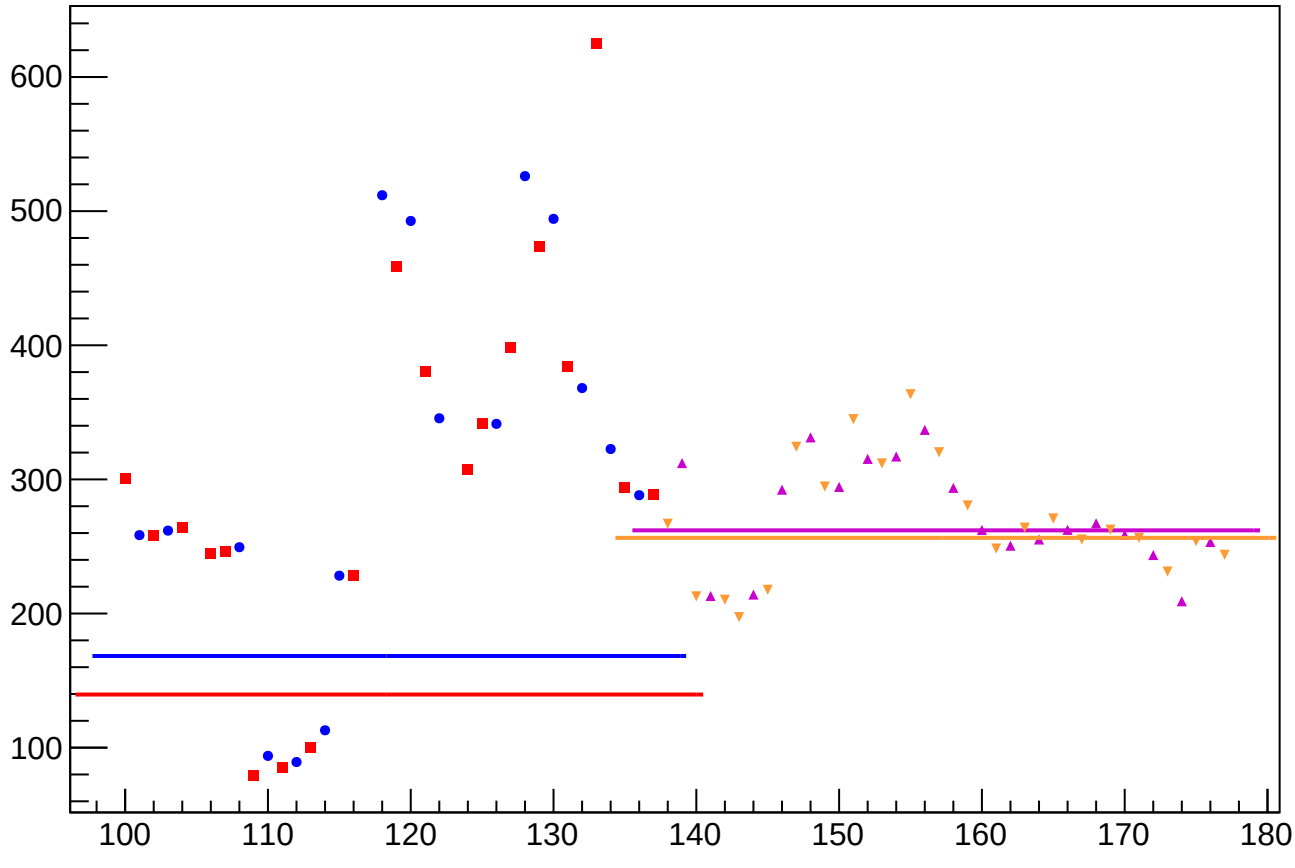
Left: -119.211+/-46.309 χ^2/NDF: 90.1/39

Right: -49.085+/-48.981 χ^2/NDF: 31.3/34

In: -5.894+/-50.462 χ^2/NDF:45.0/34

Out: -150.348+/-45.156 χ^2/NDF:72.9/39

All: -86.113+/-33.650 χ^2/NDF: 122.5/74



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 256.421+/-0.045 χ^2/NDF:824562.6/20

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

Left In: 262.007+/-0.048 χ^2/NDF:666986.4/18

Left: 259.063+/-0.033 χ^2/NDF: 1498803.5/39

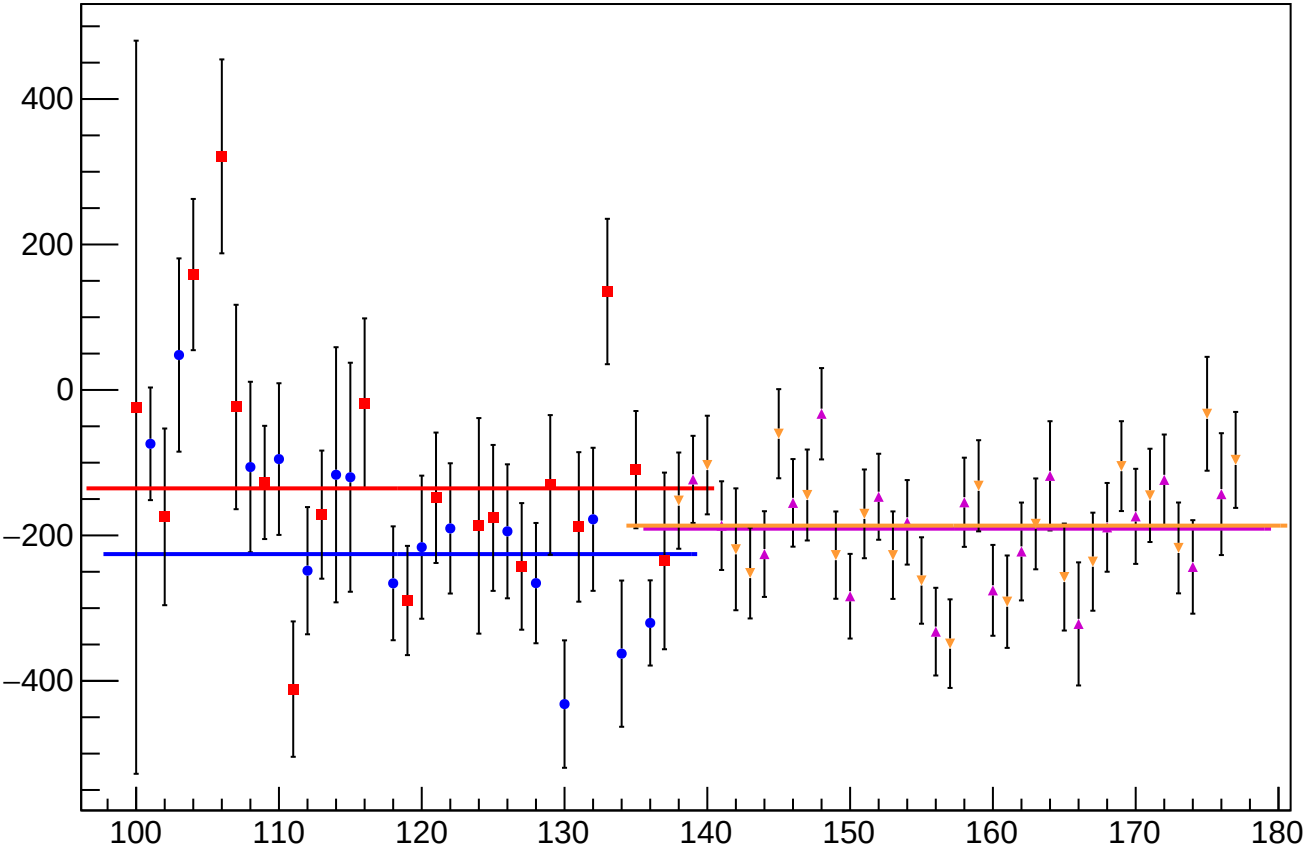
Right: 151.463+/-0.035 χ^2/NDF: 9865092.4/34

In: 220.938+/-0.036 χ^2/NDF:6907976.3/34

Out: 198.139+/-0.032 χ^2/NDF:9325490.3/39

All: 208.277+/-0.024 χ^2/NDF: 16460166.0/74

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -186.548+/-14.057 χ^2/NDF:30.5/20

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -190.745+/-14.553 χ^2/NDF:24.9/18

Left: -188.574+/-10.110 χ^2/NDF: 55.5/39

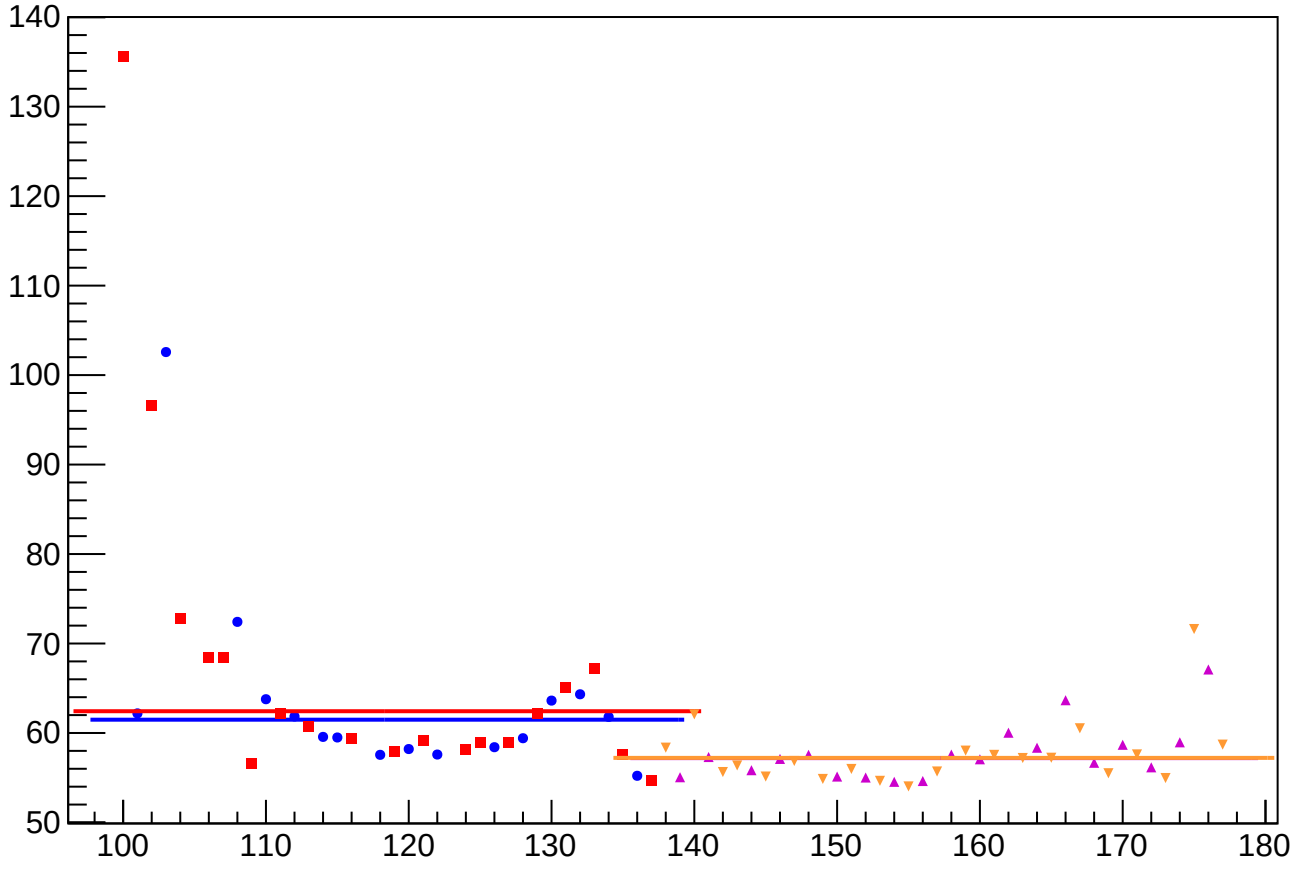
Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -200.663+/-12.316 χ^2/NDF:49.2/34

Out: -172.794+/-12.023 χ^2/NDF:79.0/39

All: -186.393+/-8.603 χ^2/NDF: 130.7/74

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 57.217+/-0.010 χ^2/NDF:107029.9/20

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 57.191+/-0.010 χ^2/NDF:63659.6/18

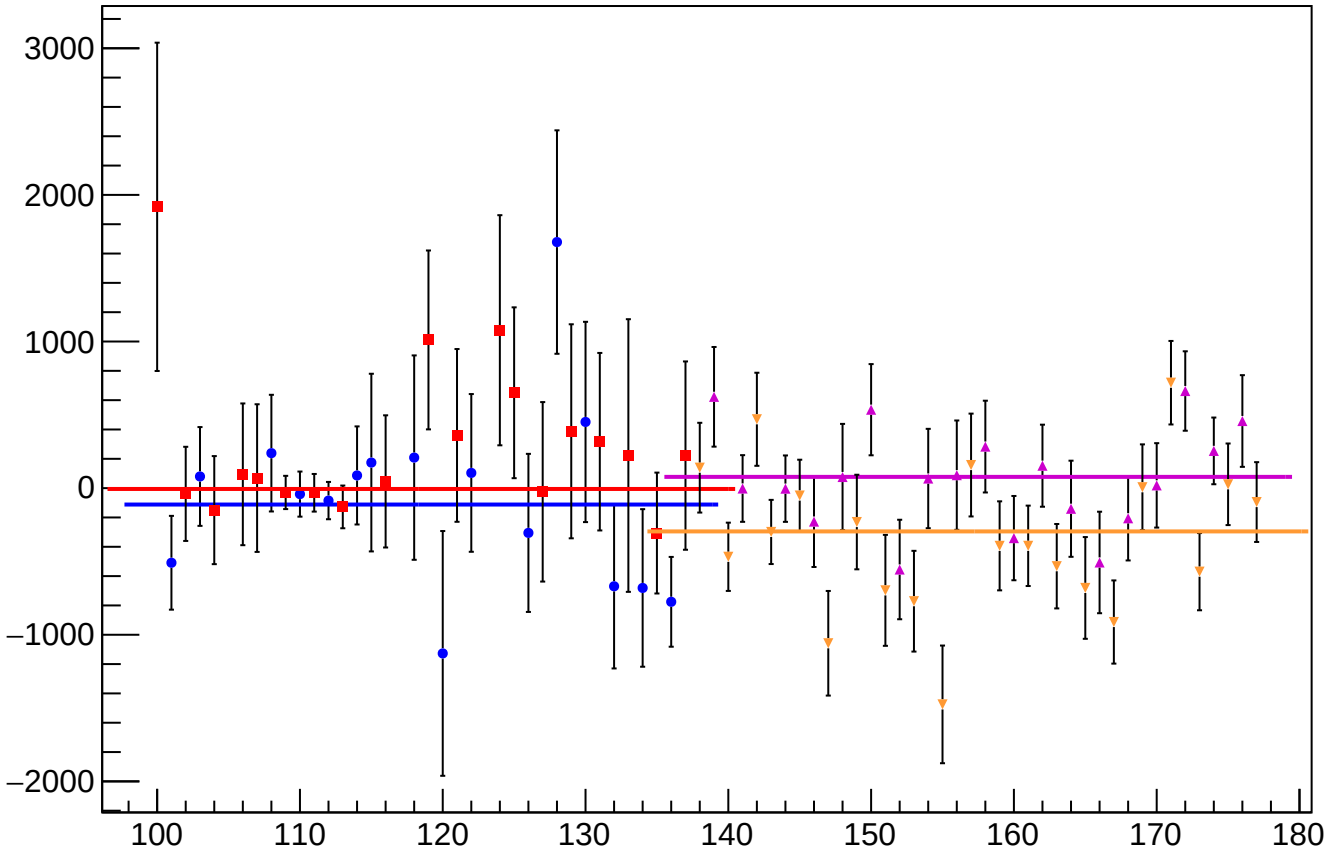
Left: 57.204+/-0.007 χ^2/NDF: 170692.9/39

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.410+/-0.009 χ^2/NDF:363772.0/34

Out: 58.617+/-0.009 χ^2/NDF:460347.7/39

All: 58.516+/-0.006 χ^2/NDF: 824410.4/74



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -295.143+/-63.788 χ^2/NDF:50.9/20

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 76.845+/-67.338 χ^2/NDF:23.1/18

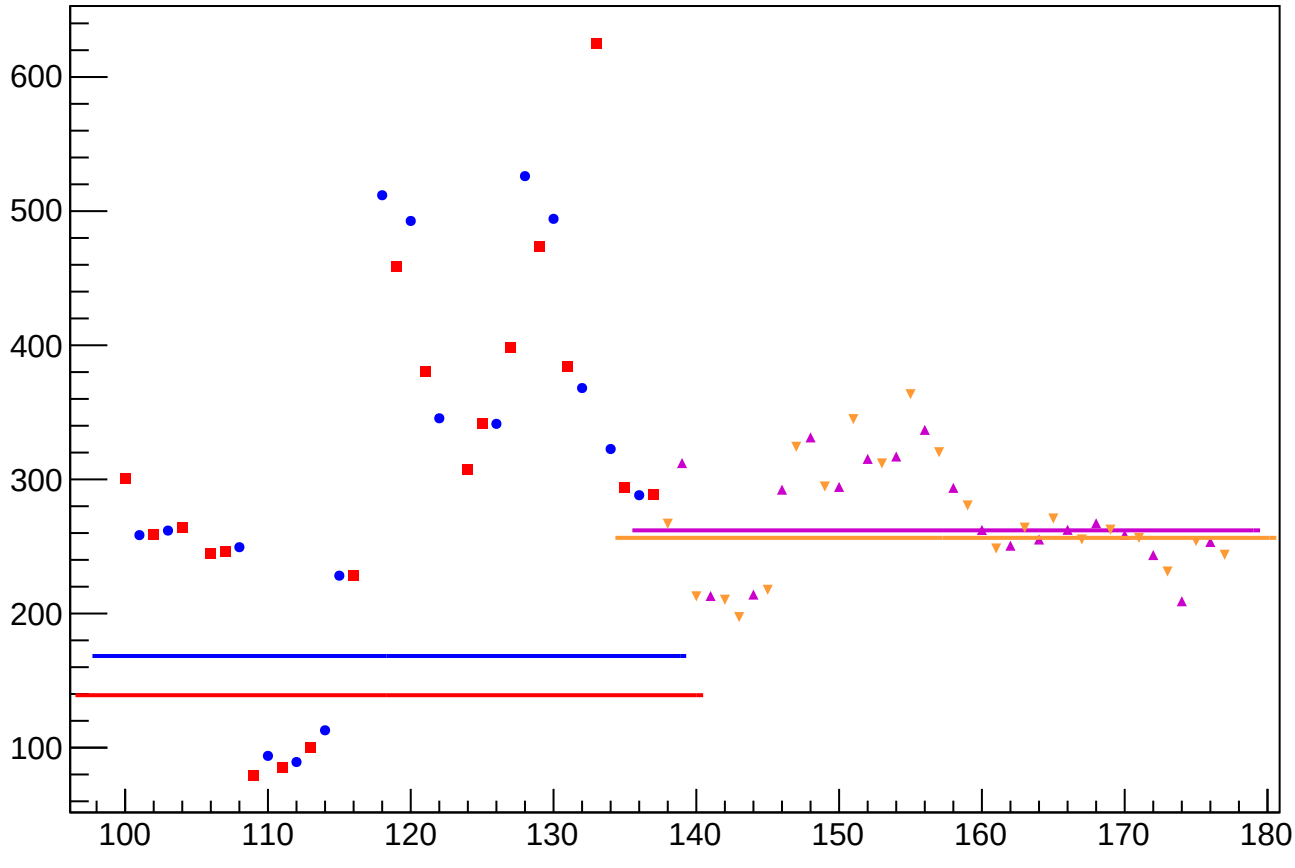
Left: -119.211+/-46.309 χ^2/NDF: 90.1/39

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -5.888+/-50.462 χ^2/NDF:45.0/34

Out: -151.051+/-45.209 χ^2/NDF:72.8/39

All: -86.416+/-33.672 χ^2/NDF: 122.4/74



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 256.421+/-0.045 χ^2/NDF:824566.3/20

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 262.007+/-0.048 χ^2/NDF:666984.5/18

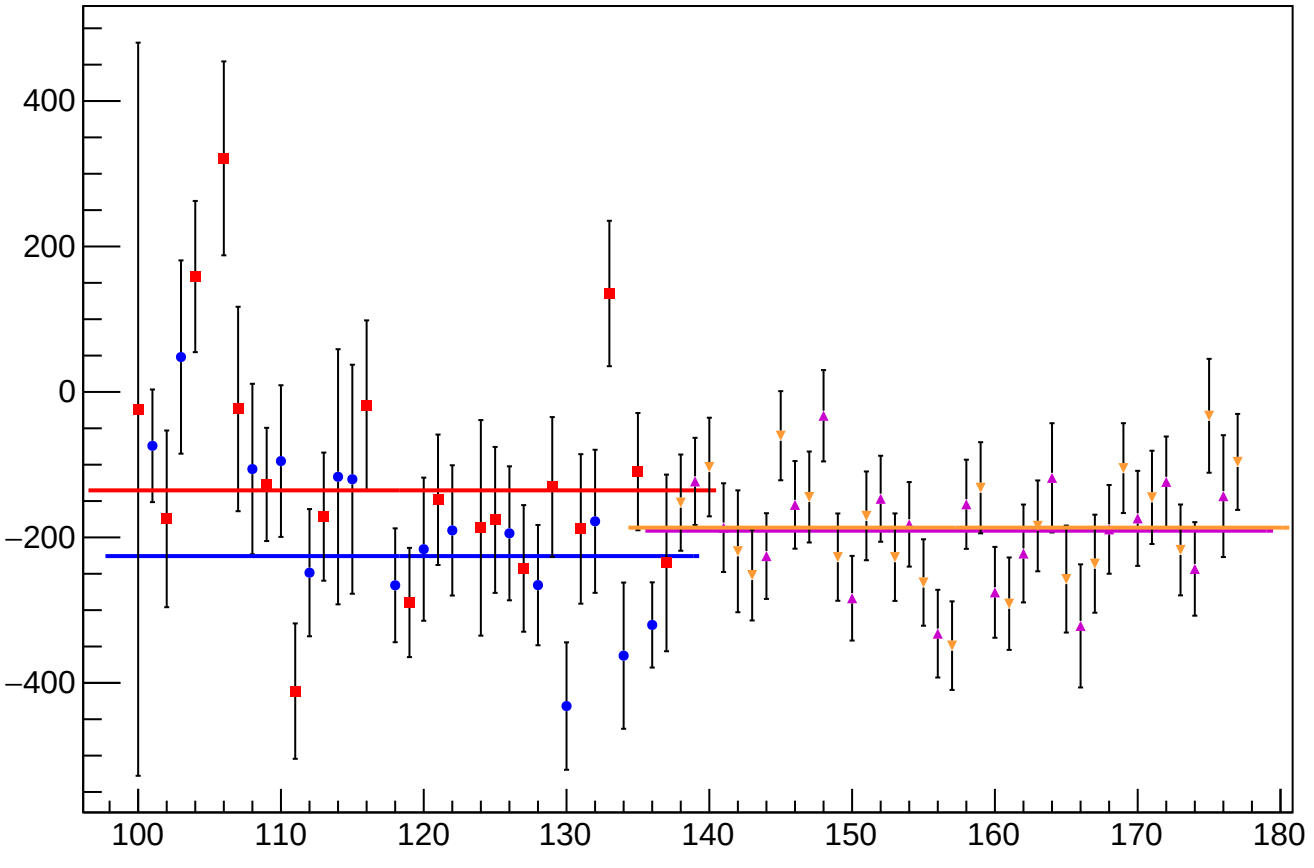
Left: 259.063+/-0.033 χ^2/NDF: 1498805.5/39

Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 220.938+/-0.036 χ^2/NDF:6908006.9/34

Out: 198.035+/-0.032 χ^2/NDF:9321368.8/39

All: 208.233+/-0.024 χ^2/NDF: 16457922.4/74



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -186.548+/-14.057 χ^2/NDF:30.5/20

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -190.745+/-14.553 χ^2/NDF:24.9/18

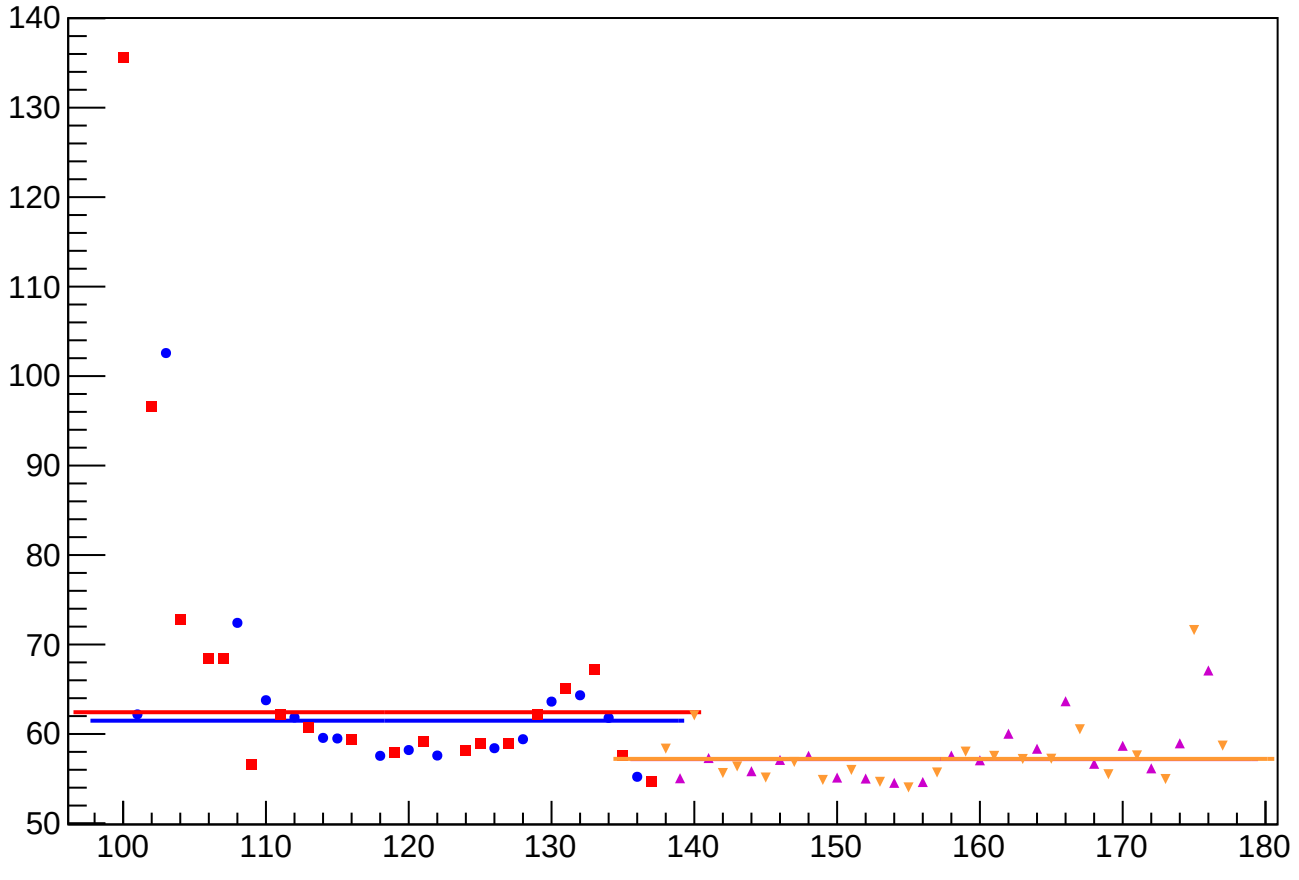
Left: -188.574+/-10.110 χ^2/NDF: 55.5/39

Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -200.663+/-12.316 χ^2/NDF:49.2/34

Out: -172.794+/-12.023 χ^2/NDF:79.0/39

All: -186.393+/-8.603 χ^2/NDF: 130.7/74



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 57.217+/-0.010 χ^2/NDF:107029.9/20

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 57.191+/-0.010 χ^2/NDF:63659.6/18

Left: 57.204+/-0.007 χ^2/NDF: 170692.9/39

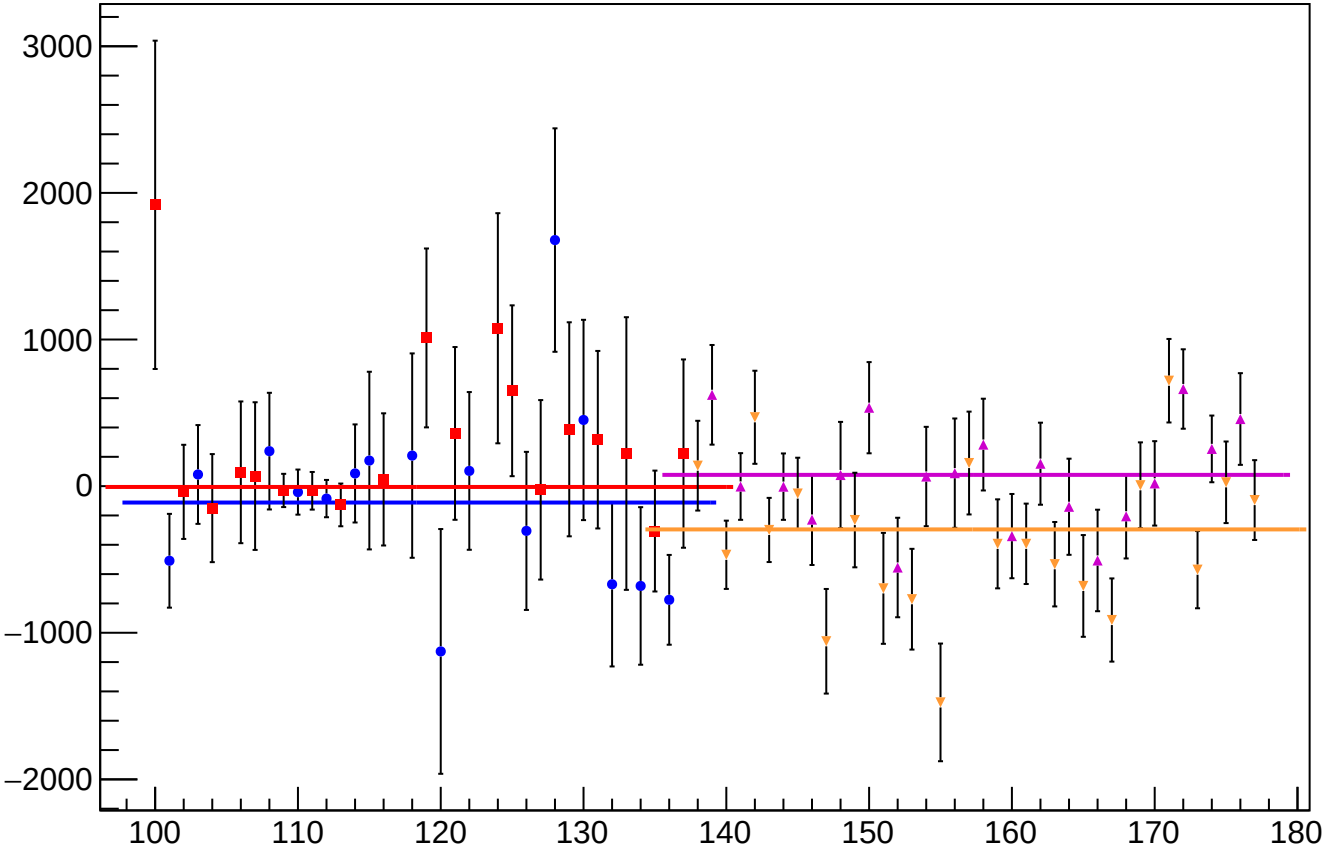
Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.410+/-0.009 χ^2/NDF:363772.0/34

Out: 58.617+/-0.009 χ^2/NDF:460347.7/39

All: 58.516+/-0.006 χ^2/NDF: 824410.4/74

asym_sam8_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -295.143+/-63.788 χ^2/NDF:50.9/20

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 76.845+/-67.338 χ^2/NDF:23.1/18

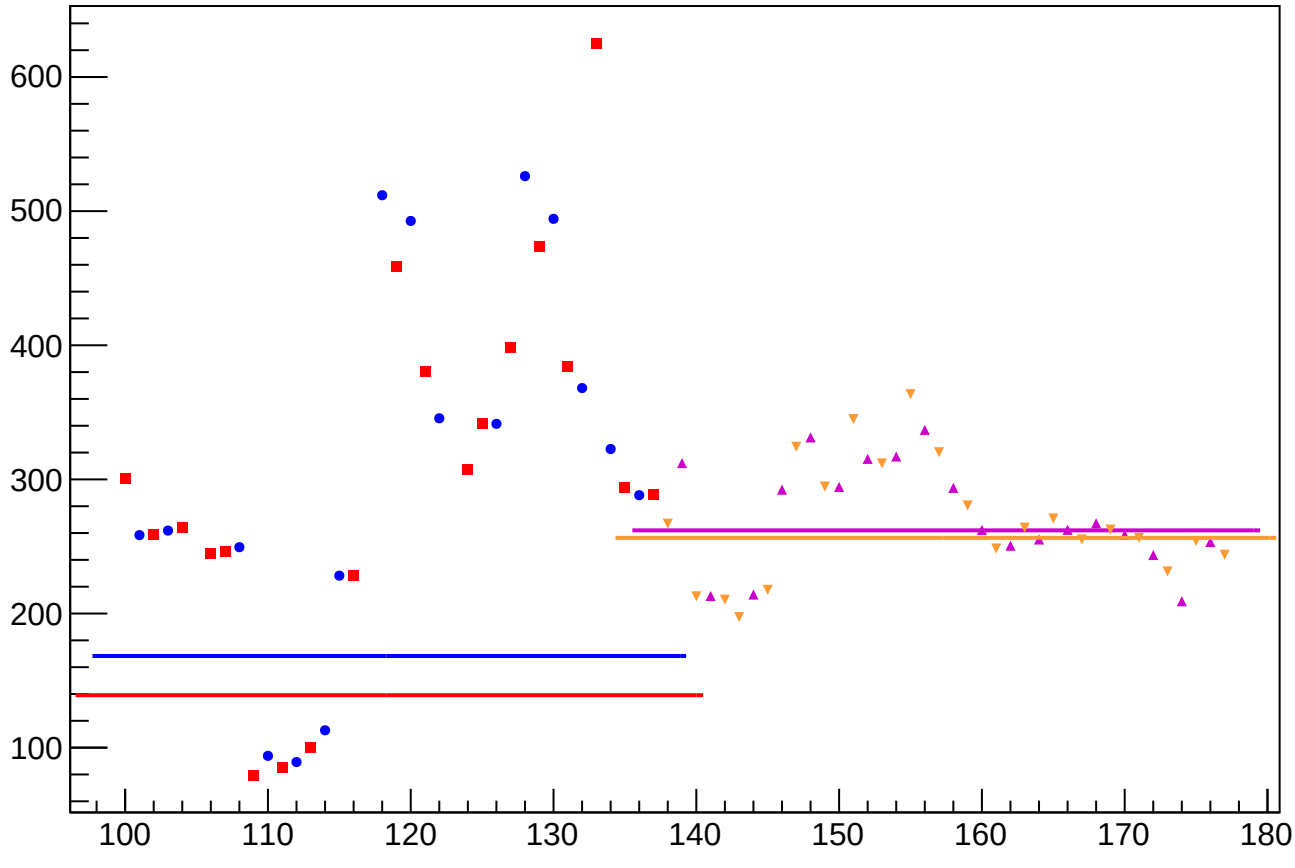
Left: -119.211+/-46.309 χ^2/NDF: 90.1/39

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -5.888+/-50.462 χ^2/NDF:45.0/34

Out: -151.051+/-45.209 χ^2/NDF:72.8/39

All: -86.416+/-33.672 χ^2/NDF: 122.4/74



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 256.421+/-0.045 χ^2/NDF:824566.3/20

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 262.007+/-0.048 χ^2/NDF:666984.5/18

Left: 259.063+/-0.033 χ^2/NDF: 1498805.5/39

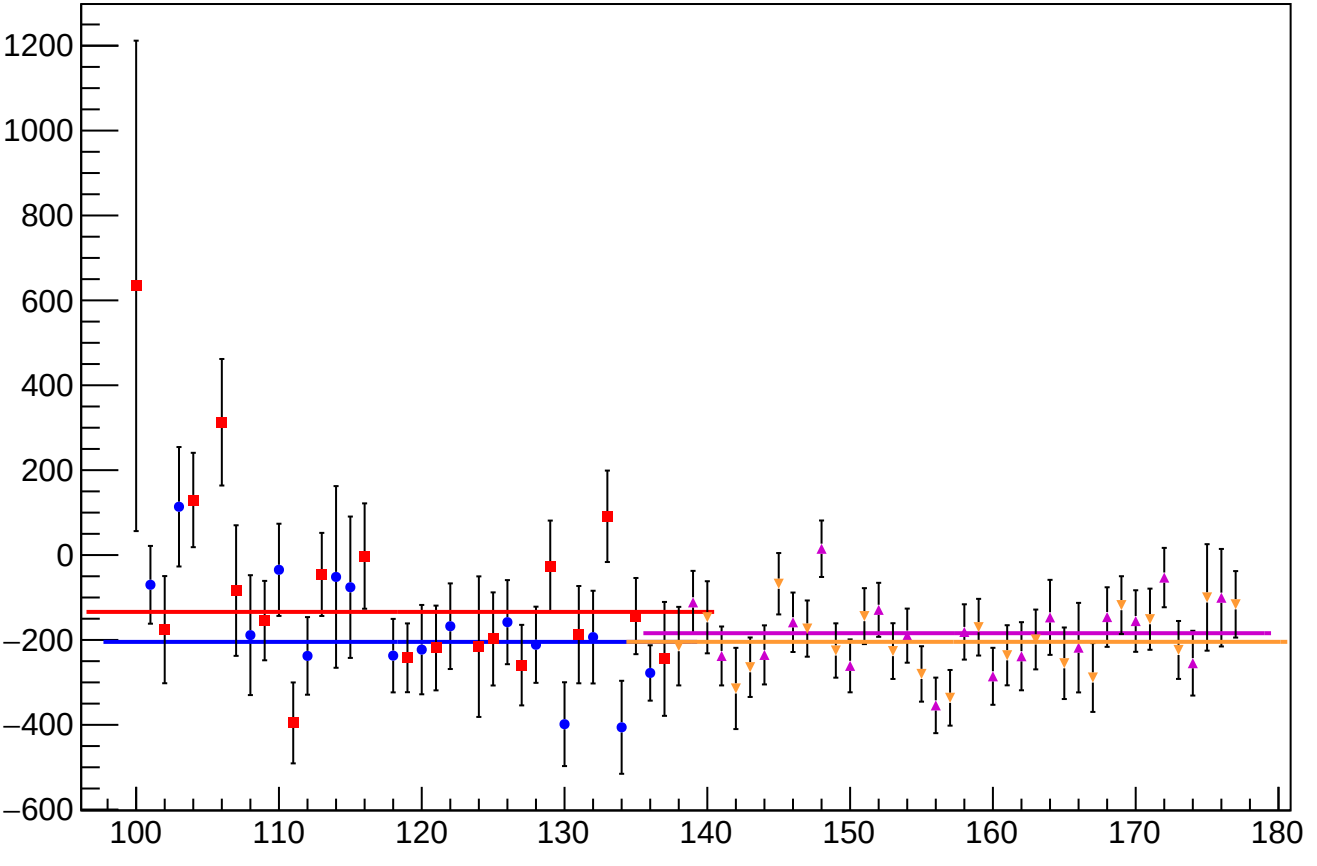
Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 220.938+/-0.036 χ^2/NDF:6908006.9/34

Out: 198.035+/-0.032 χ^2/NDF:9321368.8/39

All: 208.233+/-0.024 χ^2/NDF: 16457922.4/74

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -204.452+/-15.955 χ^2/NDF:18.9/20

Right Out: -133.924+/-25.484 χ^2/NDF: 37.2/18

Left In: -184.093+/-16.472 χ^2/NDF:28.6/18

Left: -194.597+/-11.460 χ^2/NDF: 48.3/39

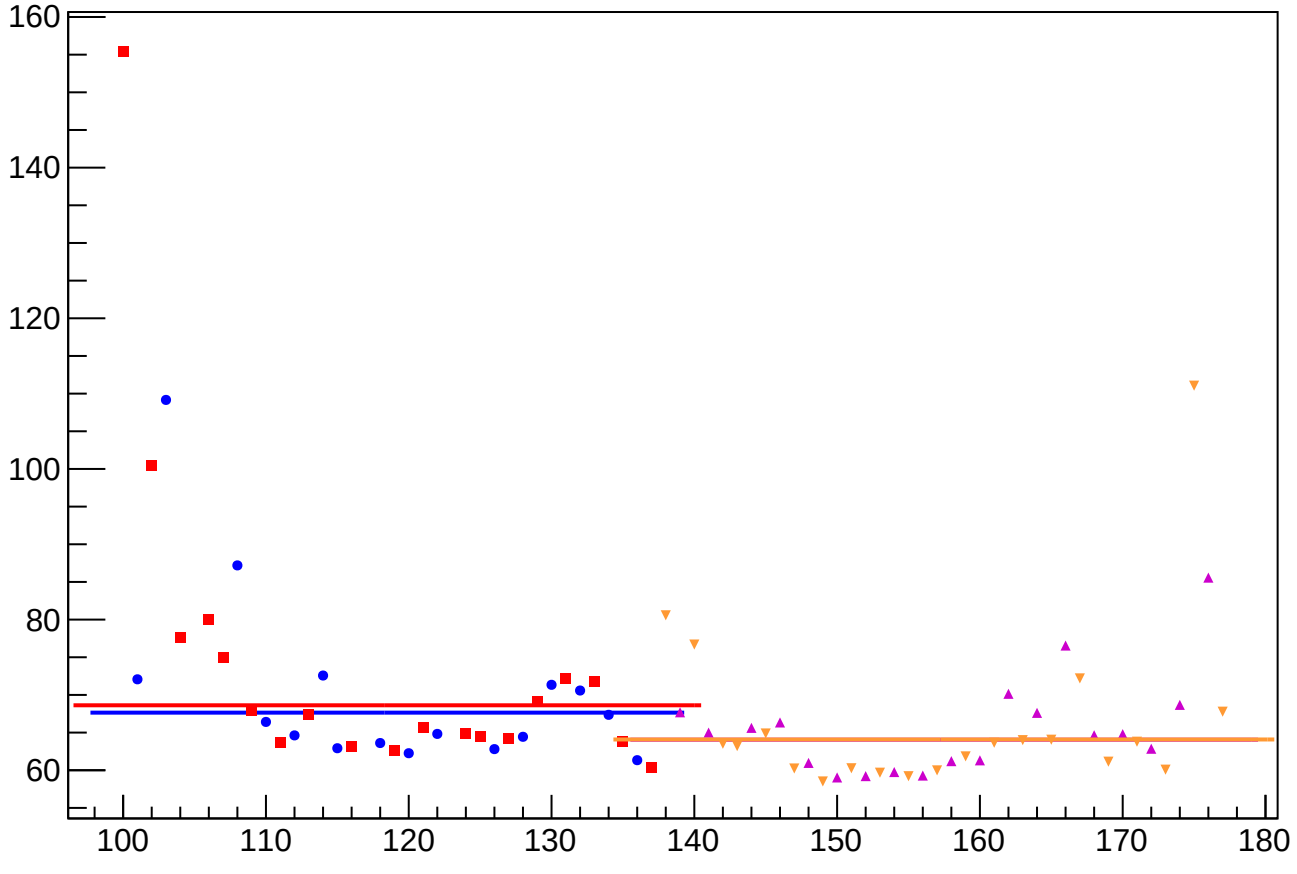
Right: -169.195+/-18.034 χ^2/NDF: 61.1/34

In: -190.116+/-13.840 χ^2/NDF:49.0/34

Out: -184.592+/-13.523 χ^2/NDF:61.6/39

All: -187.290+/-9.672 χ^2/NDF: 110.7/74

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 64.085+/-0.011 χ^2/NDF:482688.3/20

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

Left In: 64.053+/-0.012 χ^2/NDF:185246.7/18

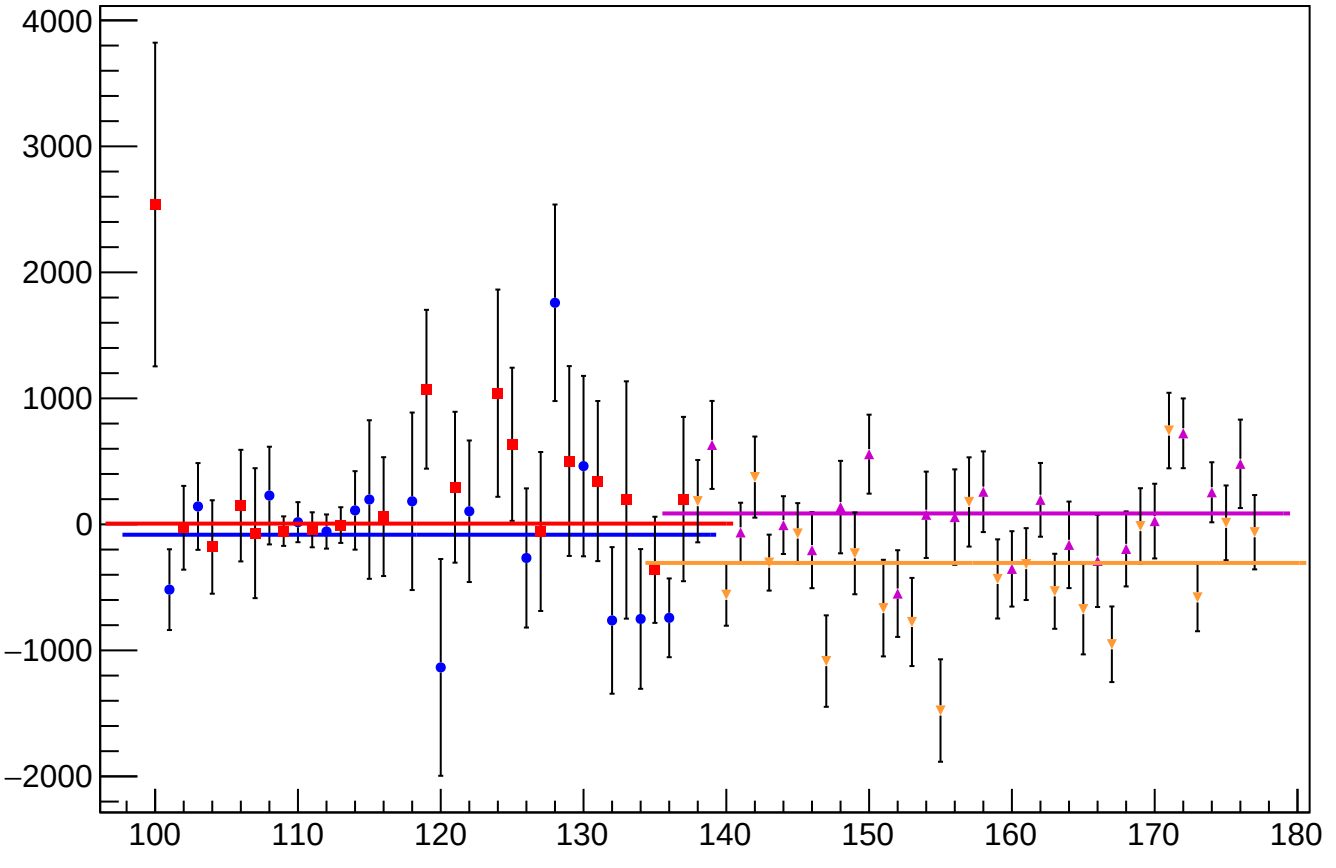
Left: 64.070+/-0.008 χ^2/NDF: 667938.7/39

Right: 68.136+/-0.013 χ^2/NDF: 513300.5/34

In: 65.110+/-0.010 χ^2/NDF:476912.8/34

Out: 65.363+/-0.010 χ^2/NDF:776439.8/39

All: 65.239+/-0.007 χ^2/NDF: 1253694.0/74



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: -306.007+/-65.856 χ^2/NDF:48.7/20

Right Out: 6.063+/-65.910 χ^2/NDF: 12.0/18

Left In: 86.663+/-69.391 χ^2/NDF:21.8/18

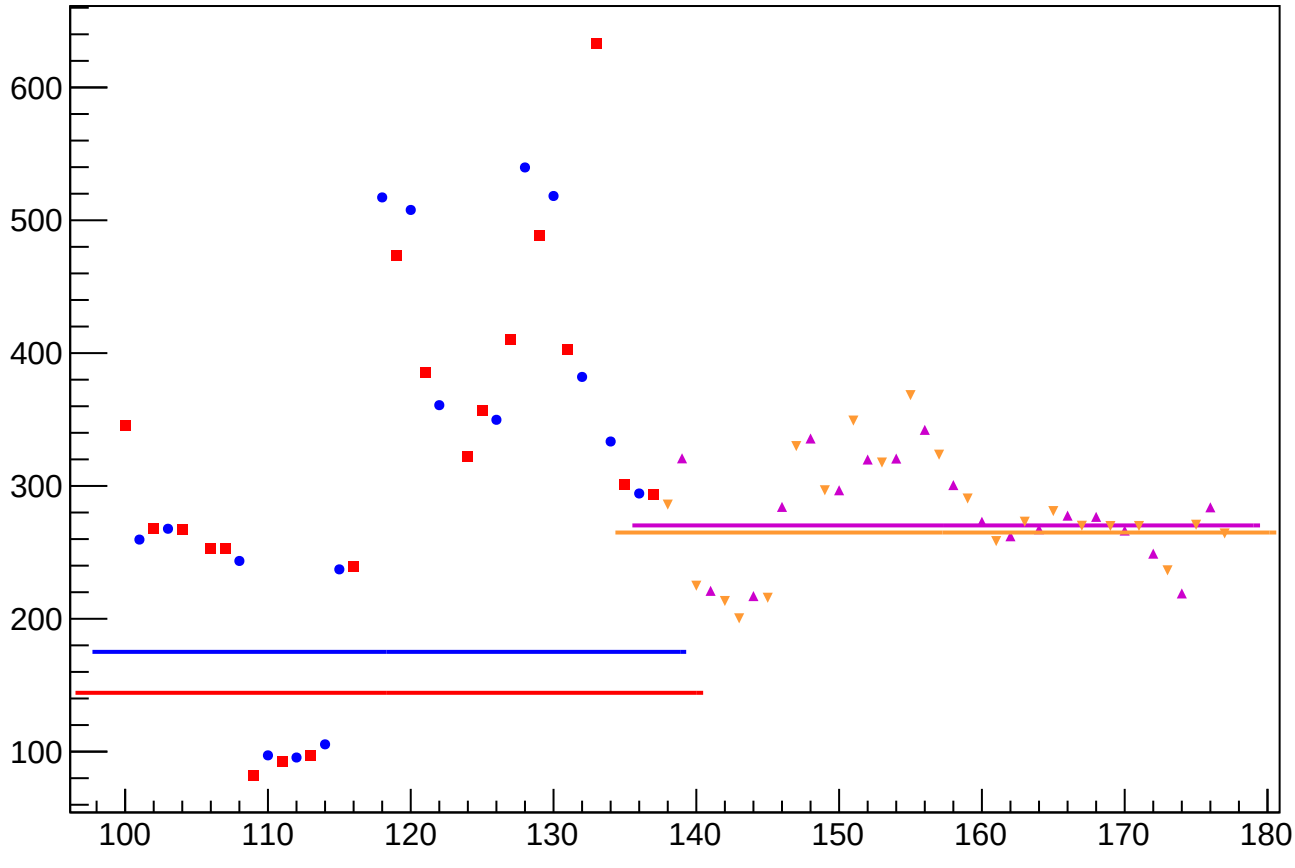
Left: -119.928+/-47.768 χ^2/NDF: 87.3/39

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: 12.767+/-52.041 χ^2/NDF:43.6/34

Out: -150.100+/-46.586 χ^2/NDF:72.0/39

All: -77.647+/-34.710 χ^2/NDF: 121.0/74



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 264.940+/-0.047 χ^2/NDF:819122.5/20

Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

Left In: 270.284+/-0.049 χ^2/NDF:604777.5/18

Left: 267.472+/-0.034 χ^2/NDF: 1430142.9/39

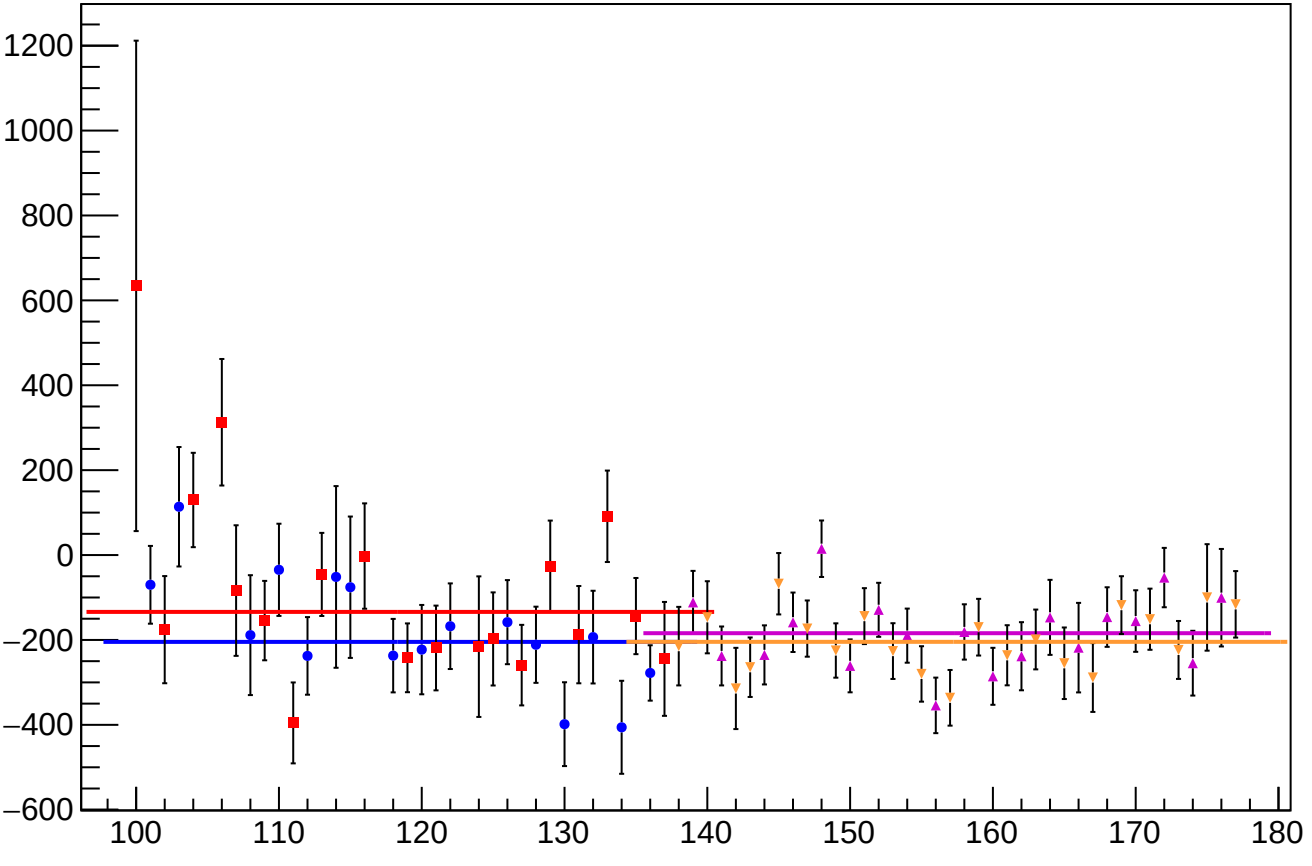
Right: 156.987+/-0.036 χ^2/NDF: 9741889.9/34

In: 228.637+/-0.037 χ^2/NDF:6680413.3/34

Out: 204.658+/-0.033 χ^2/NDF:9305866.0/39

All: 215.325+/-0.025 χ^2/NDF: 16222015.3/74

eigen_dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -204.452+/-15.955 χ^2/NDF:18.9/20

Right Out: -133.926+/-25.483 χ^2/NDF: 37.2/18

Left In: -184.095+/-16.472 χ^2/NDF:28.6/18

Left: -194.598+/-11.460 χ^2/NDF: 48.3/39

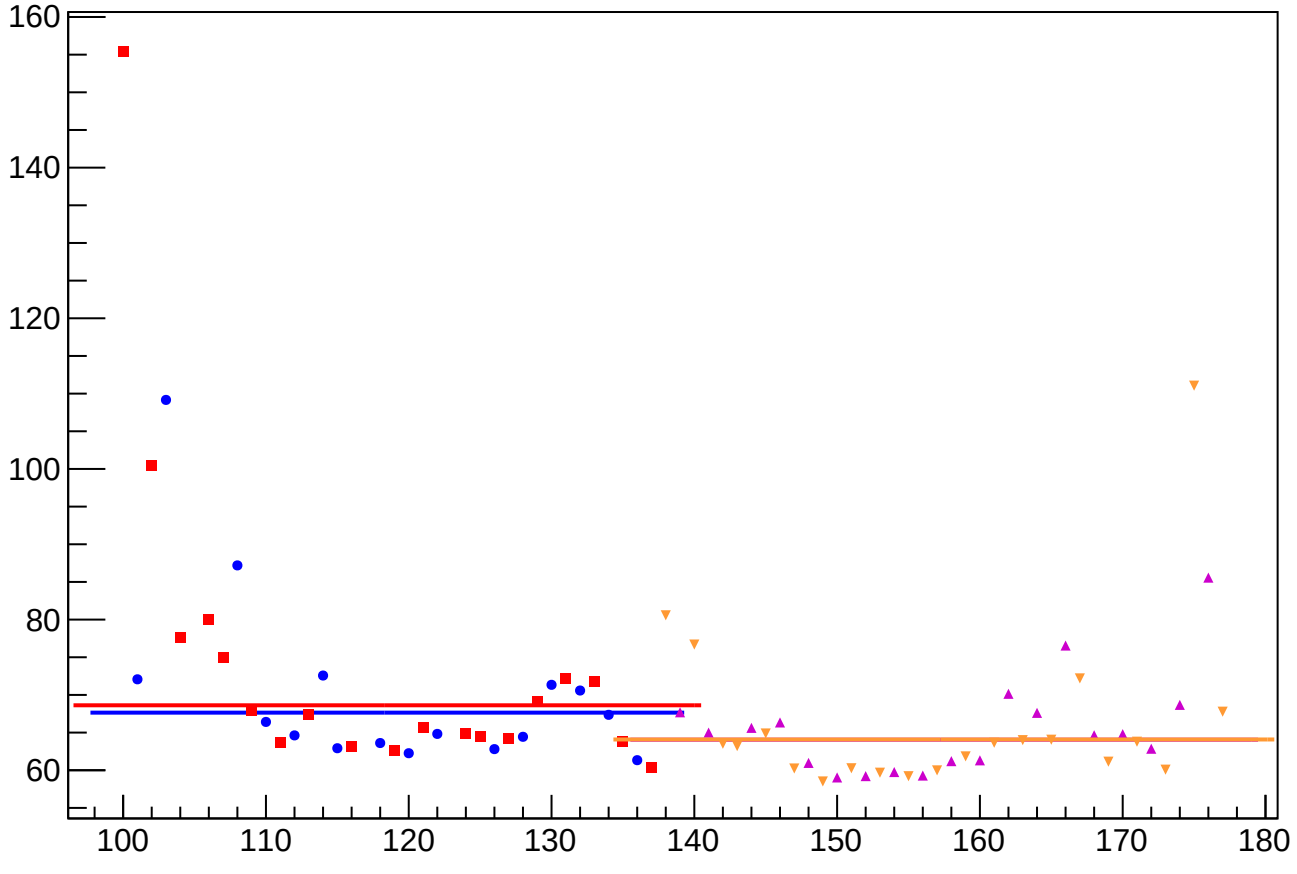
Right: -169.196+/-18.034 χ^2/NDF: 61.1/34

In: -190.117+/-13.840 χ^2/NDF:49.0/34

Out: -184.592+/-13.523 χ^2/NDF:61.6/39

All: -187.290+/-9.672 χ^2/NDF: 110.7/74

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 64.085+/-0.011 χ^2/NDF:482686.9/20

Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

Left In: 64.053+/-0.012 χ^2/NDF:185245.4/18

Left: 64.070+/-0.008 χ^2/NDF: 667936.0/39

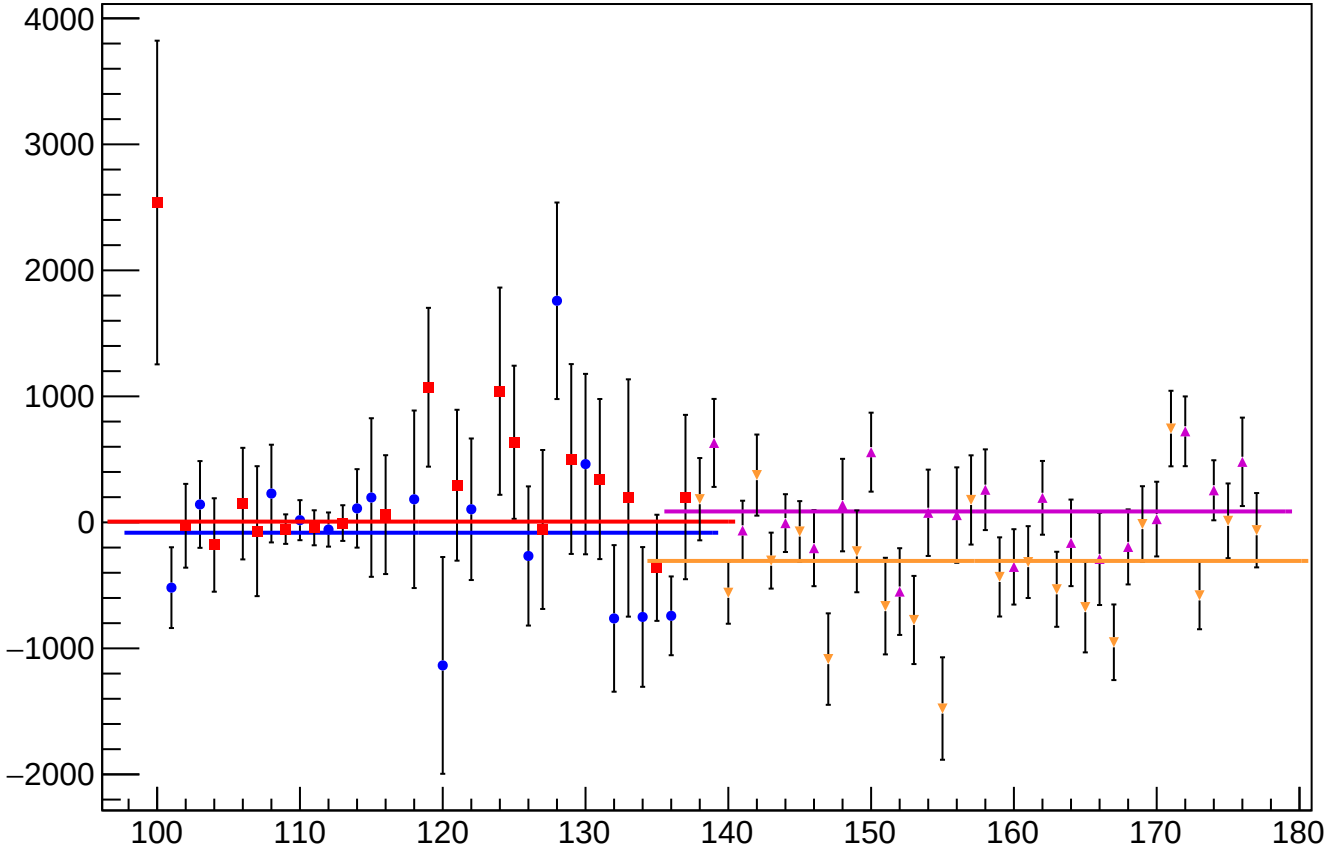
Right: 68.136+/-0.013 χ^2/NDF: 513301.0/34

In: 65.110+/-0.010 χ^2/NDF:476907.2/34

Out: 65.363+/-0.010 χ^2/NDF:776435.4/39

All: 65.239+/-0.007 χ^2/NDF: 1253683.9/74

asym_sam8_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -306.006+/-65.856 χ^2/NDF:48.7/20

Right Out: 6.062+/-65.910 χ^2/NDF: 12.0/18

Left In: 86.662+/-69.391 χ^2/NDF:21.8/18

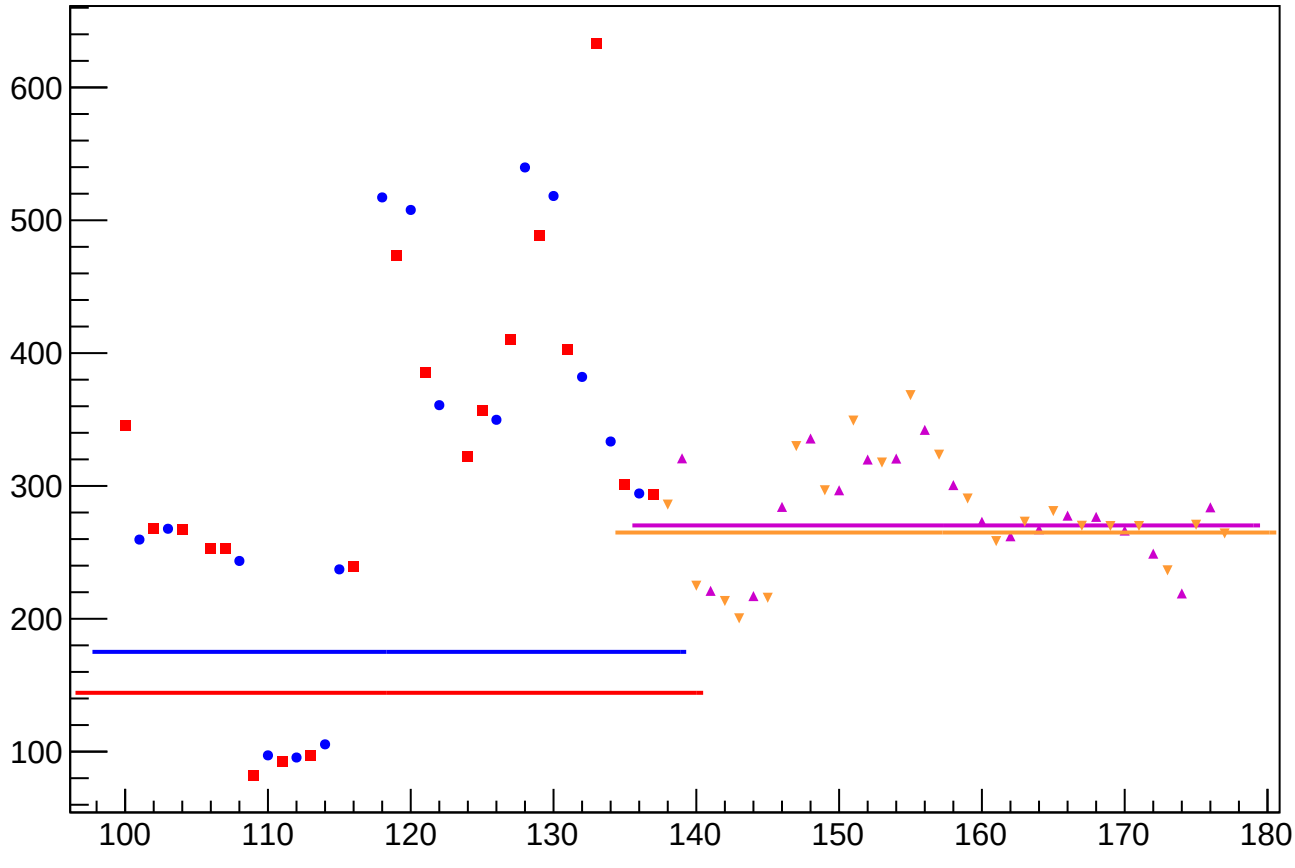
Left: -119.928+/-47.768 χ^2/NDF: 87.3/39

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: 12.767+/-52.041 χ^2/NDF:43.6/34

Out: -150.101+/-46.586 χ^2/NDF:72.0/39

All: -77.648+/-34.710 χ^2/NDF: 121.0/74



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 264.938+/-0.047 χ^2/NDF:819131.9/20

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

Left In: 270.283+/-0.049 χ^2/NDF:604782.6/18

Left: 267.471+/-0.034 χ^2/NDF: 1430157.6/39

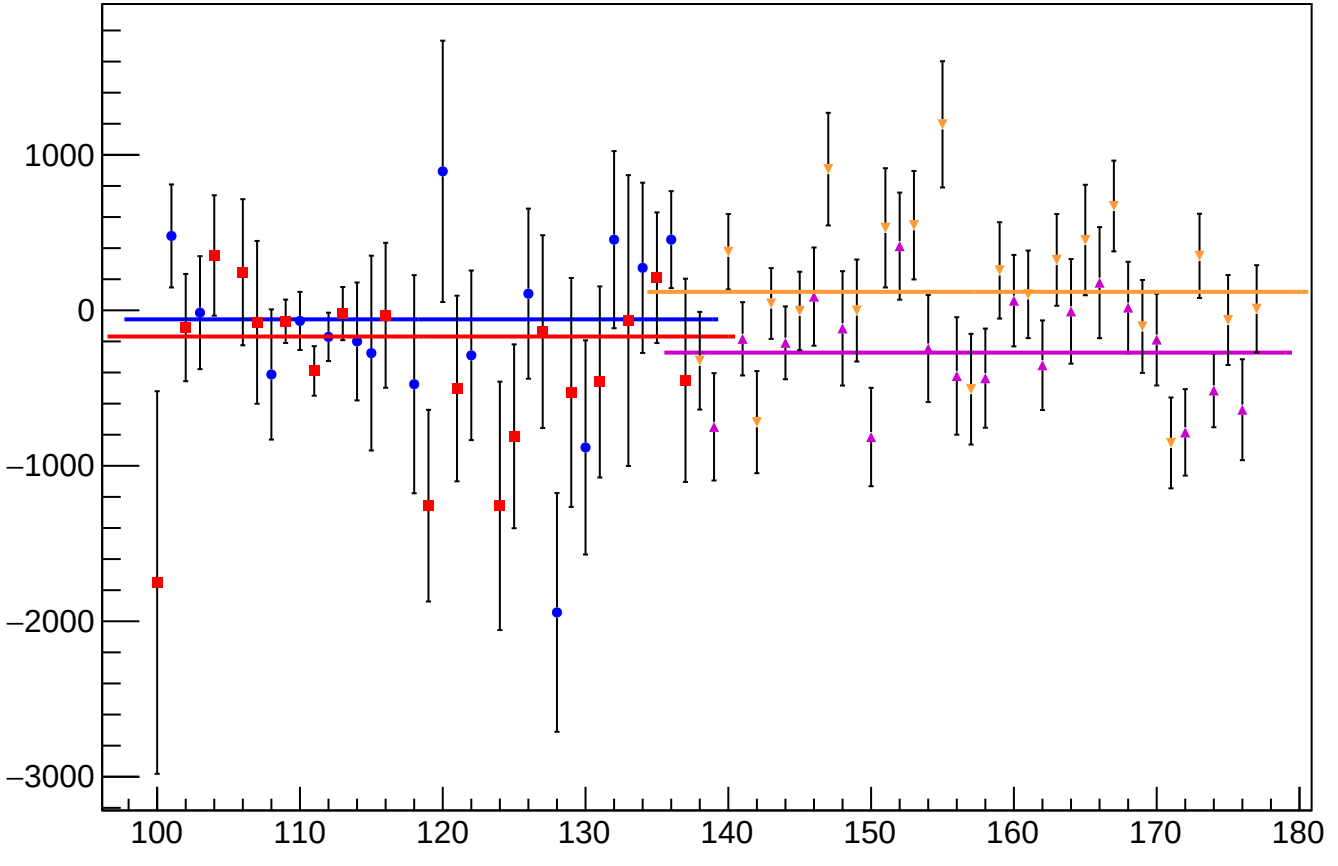
Right: 156.987+/-0.036 χ^2/NDF: 9741880.9/34

In: 228.636+/-0.037 χ^2/NDF:6680471.5/34

Out: 204.657+/-0.033 χ^2/NDF:9305837.4/39

All: 215.324+/-0.025 χ^2/NDF: 16222033.3/74

asym_sam8_mean vs Slug, Sign Corrected



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 118.970+/-65.560 χ^2/NDF:45.7/20

Right Out: -168.322+/-74.598 χ^2/NDF: 15.5/18

Left In: -271.928+/-69.115 χ^2/NDF:21.3/18

Left: -66.169+/-47.565 χ^2/NDF: 83.8/39

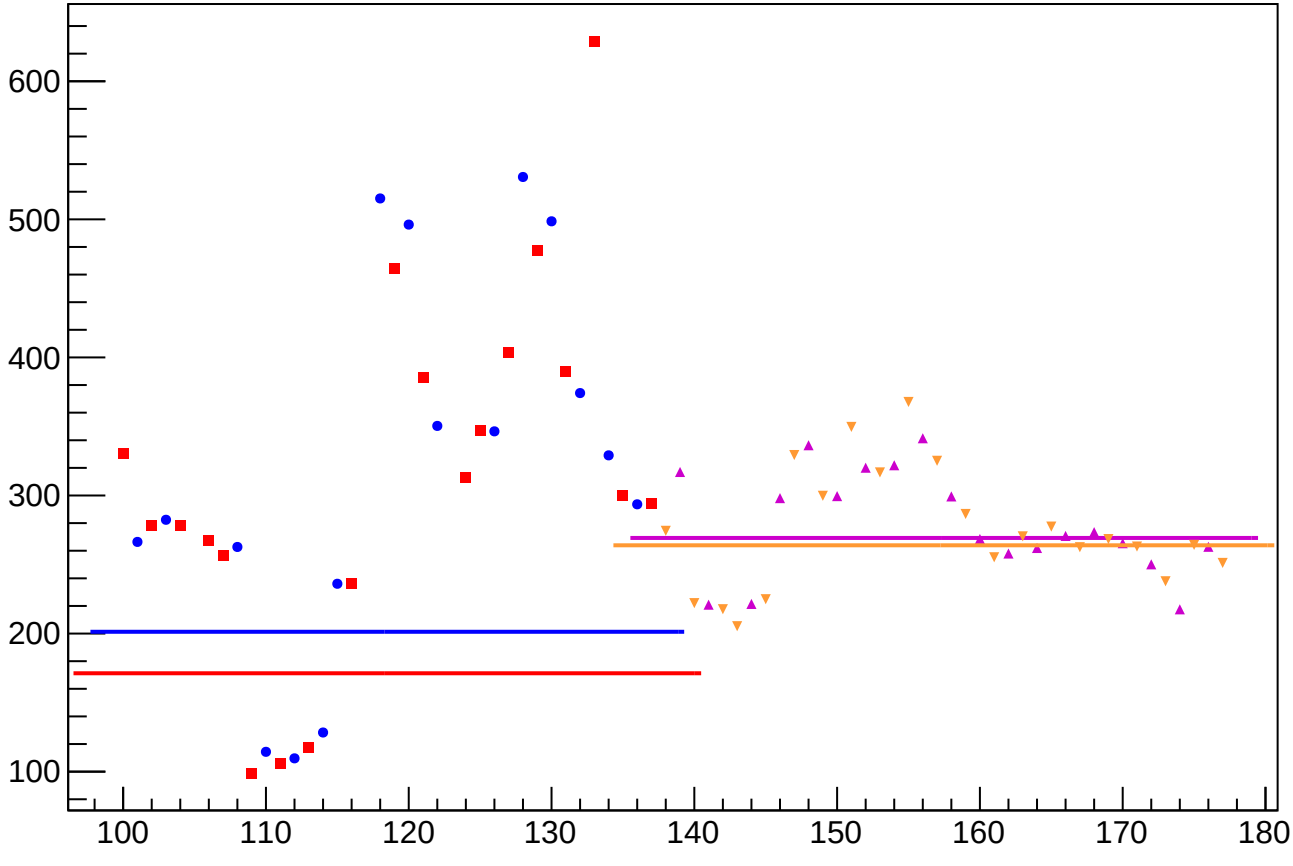
Right: -121.498+/-56.600 χ^2/NDF: 33.8/34

In: -189.016+/-54.090 χ^2/NDF:42.4/34

Out: -6.228+/-49.245 χ^2/NDF:69.6/39

All: -89.070+/-36.414 χ^2/NDF: 118.2/74

asym_sam8_rms vs Slug, Sign Corrected



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 263.931+/-0.046 χ^2/NDF:746367.4/20

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

Left In: 269.257+/-0.049 χ^2/NDF:599175.1/18

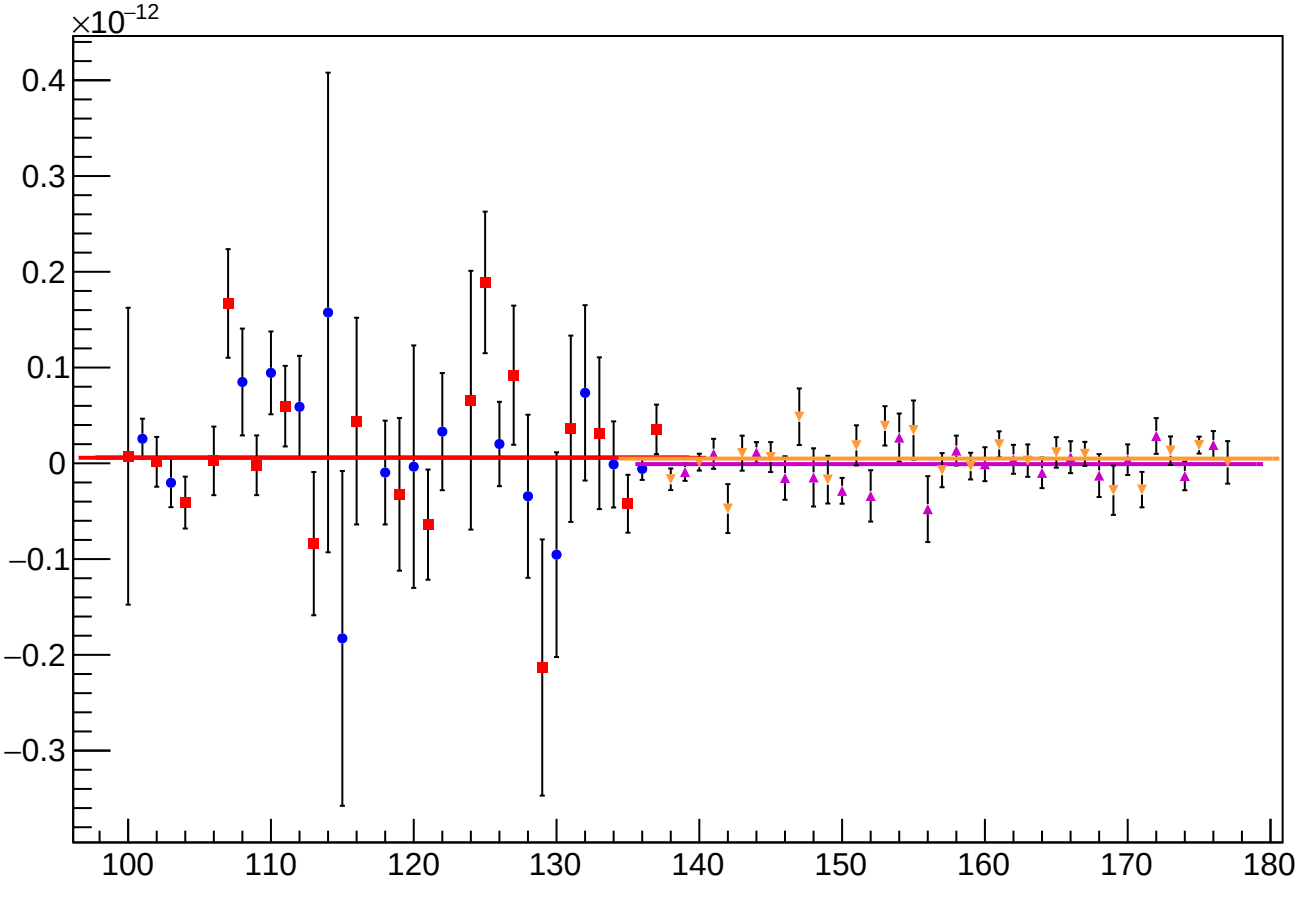
Left: 266.453+/-0.034 χ^2/NDF: 1351794.2/39

Right: 184.002+/-0.040 χ^2/NDF: 7902458.5/34

In: 242.923+/-0.038 χ^2/NDF:4920625.5/34

Out: 223.542+/-0.035 χ^2/NDF:6680669.7/39

All: 232.326+/-0.026 χ^2/NDF: 11741684.8/74



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

Left Out: 0.000+/-0.000 χ^2/NDF:25.1/20

Right Out: 0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: -0.000+/-0.000 χ^2/NDF:18.9/18

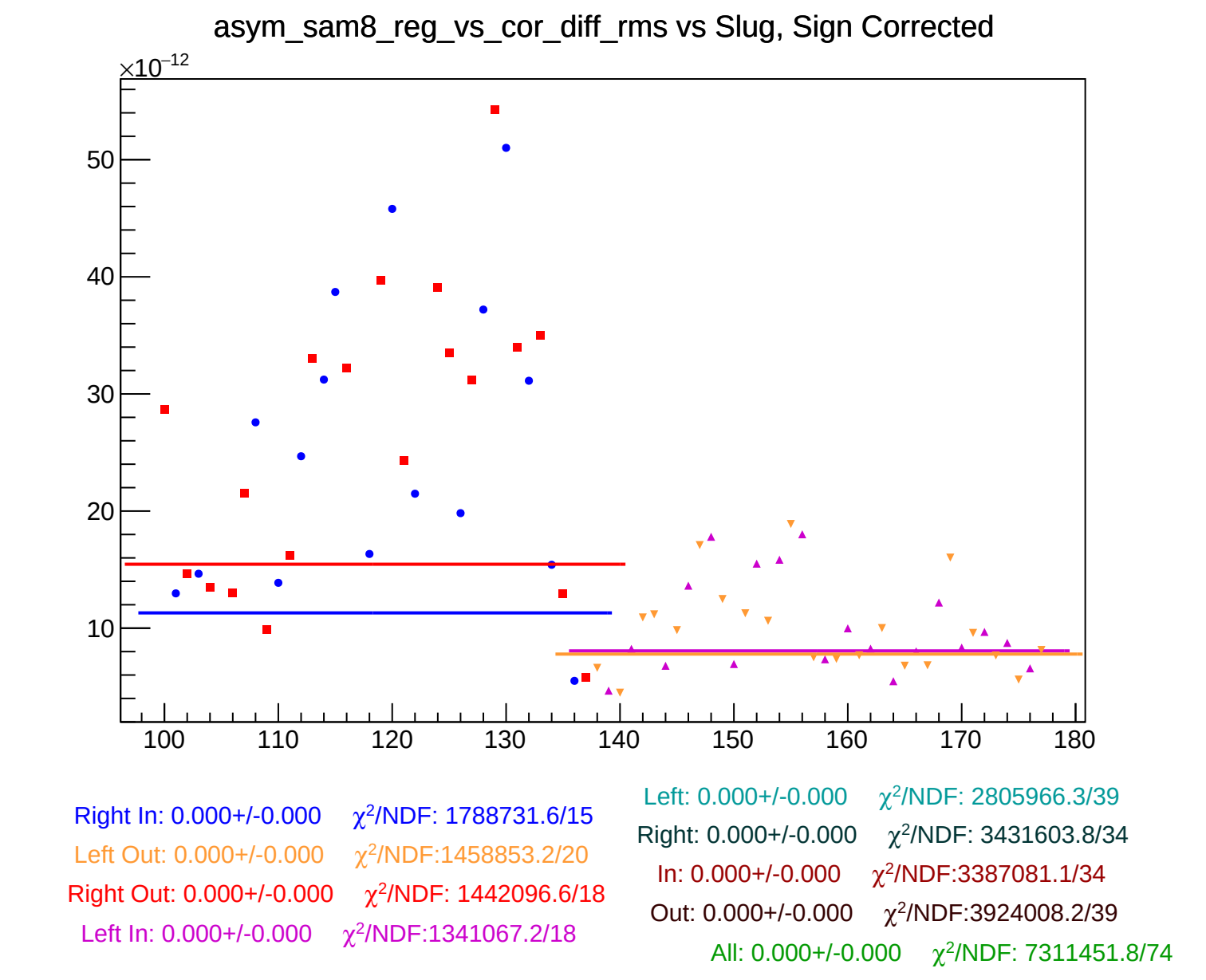
Left: 0.000+/-0.000 χ^2/NDF: 45.4/39

Right: 0.000+/-0.000 χ^2/NDF: 44.3/34

In: 0.000+/-0.000 χ^2/NDF:33.3/34

Out: 0.000+/-0.000 χ^2/NDF:55.7/39

All: 0.000+/-0.000 χ^2/NDF: 90.0/74


asym_sam8_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
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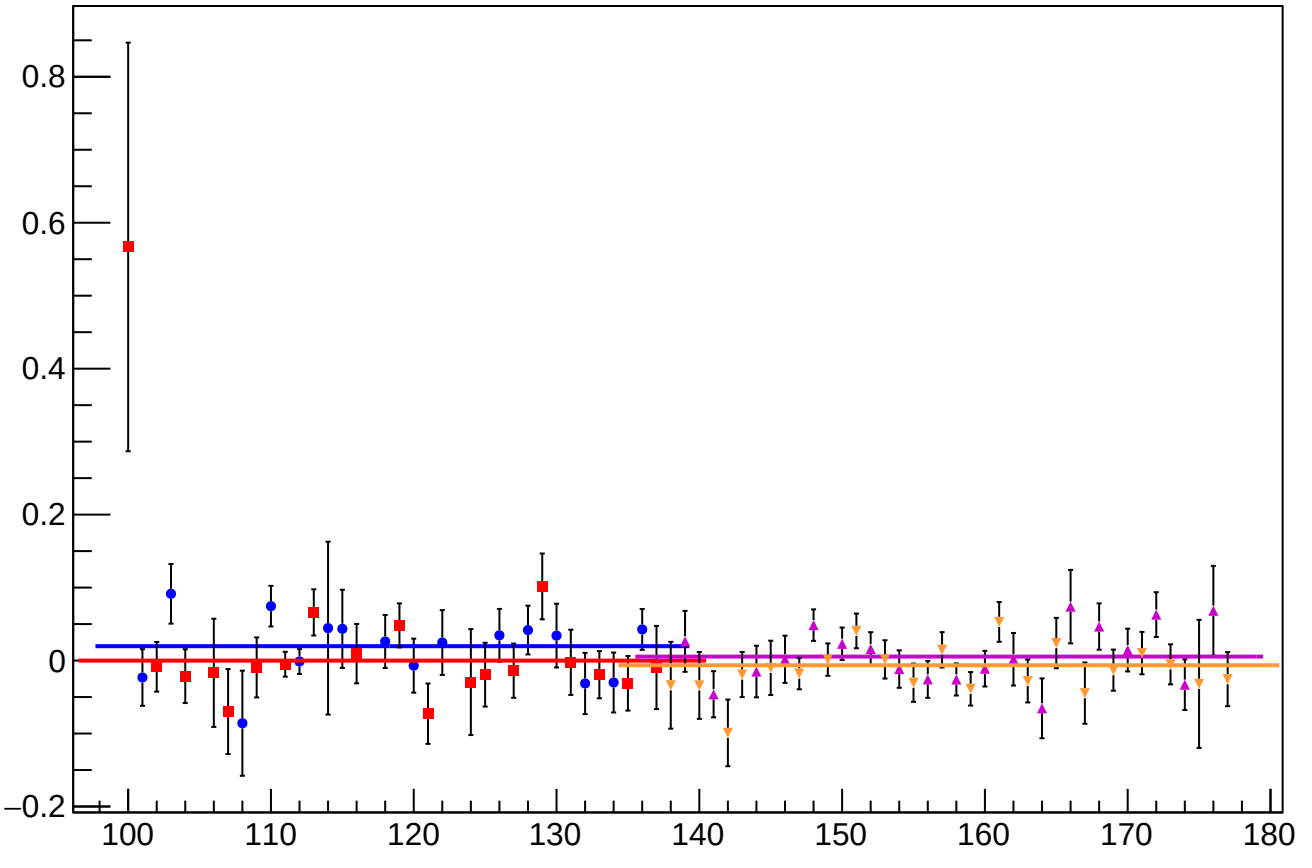
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1788731.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1458853.2/20
Right Out: 0.000+/-0.000 χ²/NDF: 1442096.6/18
Left In: 0.000+/-0.000 χ²/NDF:1341067.2/18
Left: 0.000+/-0.000 χ²/NDF: 2805966.3/39
Right: 0.000+/-0.000 χ²/NDF: 3431603.8/34
In: 0.000+/-0.000 χ²/NDF:3387081.1/34
Out: 0.000+/-0.000 χ²/NDF:3924008.2/39
All: 0.000+/-0.000 χ²/NDF: 7311451.8/74



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.006 χ^2/NDF:20.5/20

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.005+/-0.007 χ^2/NDF:24.9/18

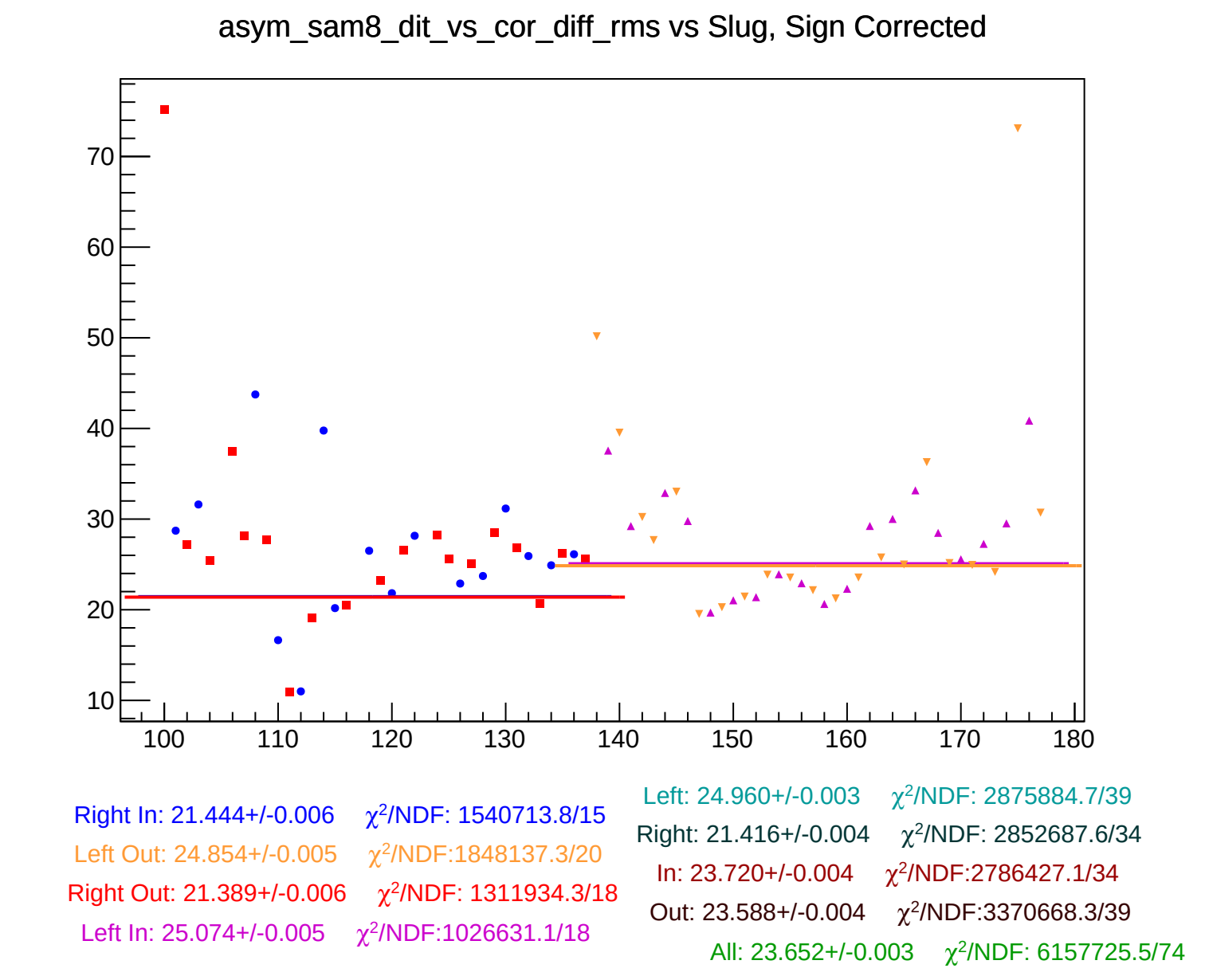
Left: -0.001+/-0.005 χ^2/NDF: 47.1/39

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.011+/-0.005 χ^2/NDF:43.7/34

Out: -0.004+/-0.005 χ^2/NDF:43.7/39

All: 0.003+/-0.004 χ^2/NDF: 91.4/74


asym_sam8_dit_vs_cor_diff_rms vs Slug, Sign Corrected
70
60
50
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20
10
100
110
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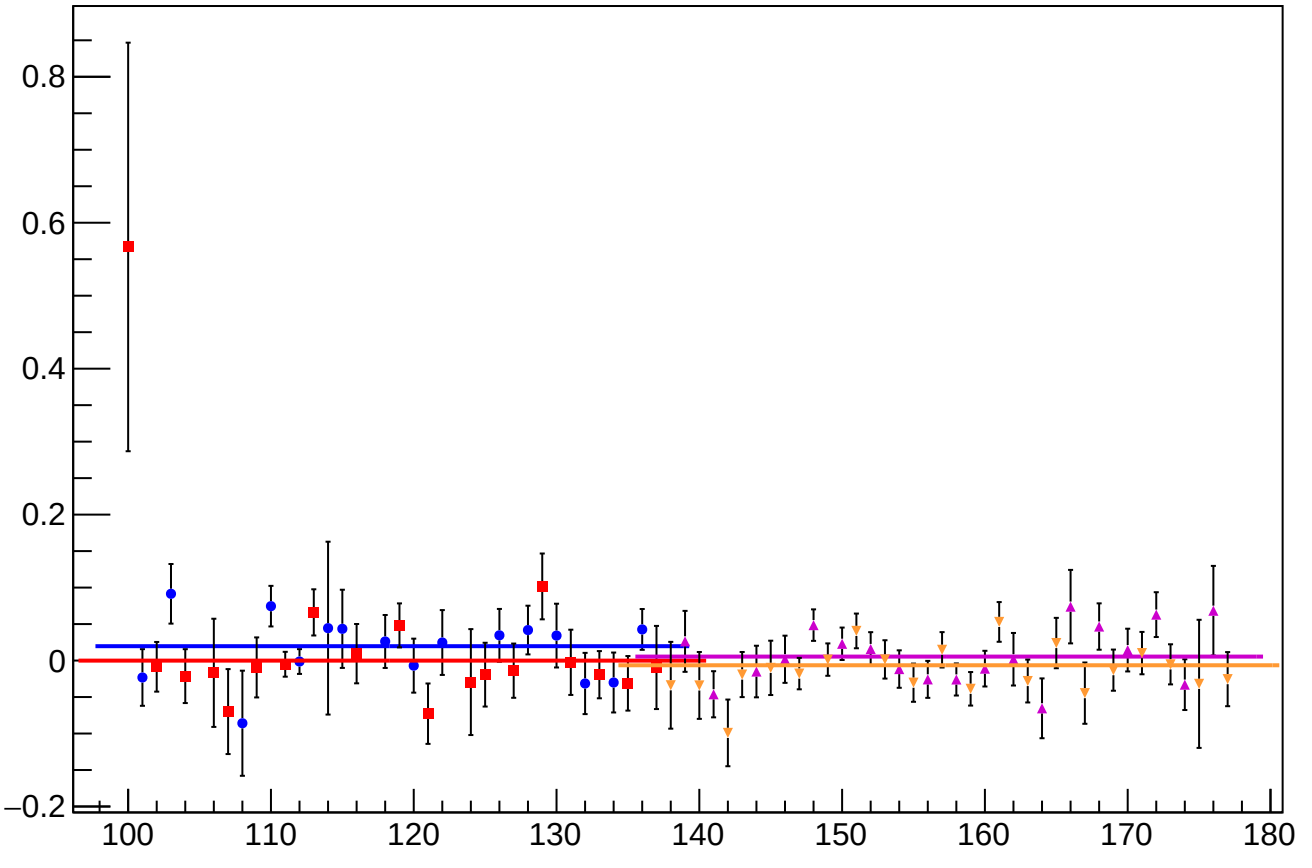
130
140
150
160
170
180
Right In: 21.444+/-0.006 χ²/NDF: 1540713.8/15
Left Out: 24.854+/-0.005 χ²/NDF:1848137.3/20
Right Out: 21.389+/-0.006 χ²/NDF: 1311934.3/18
Left In: 25.074+/-0.005 χ²/NDF:1026631.1/18
Left: 24.960+/-0.003 χ²/NDF: 2875884.7/39
Right: 21.416+/-0.004 χ²/NDF: 2852687.6/34
In: 23.720+/-0.004 χ²/NDF:2786427.1/34
Out: 23.588+/-0.004 χ²/NDF:3370668.3/39
All: 23.652+/-0.003 χ²/NDF: 6157725.5/74



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.006 χ^2/NDF:20.5/20

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.005+/-0.007 χ^2/NDF:24.9/18

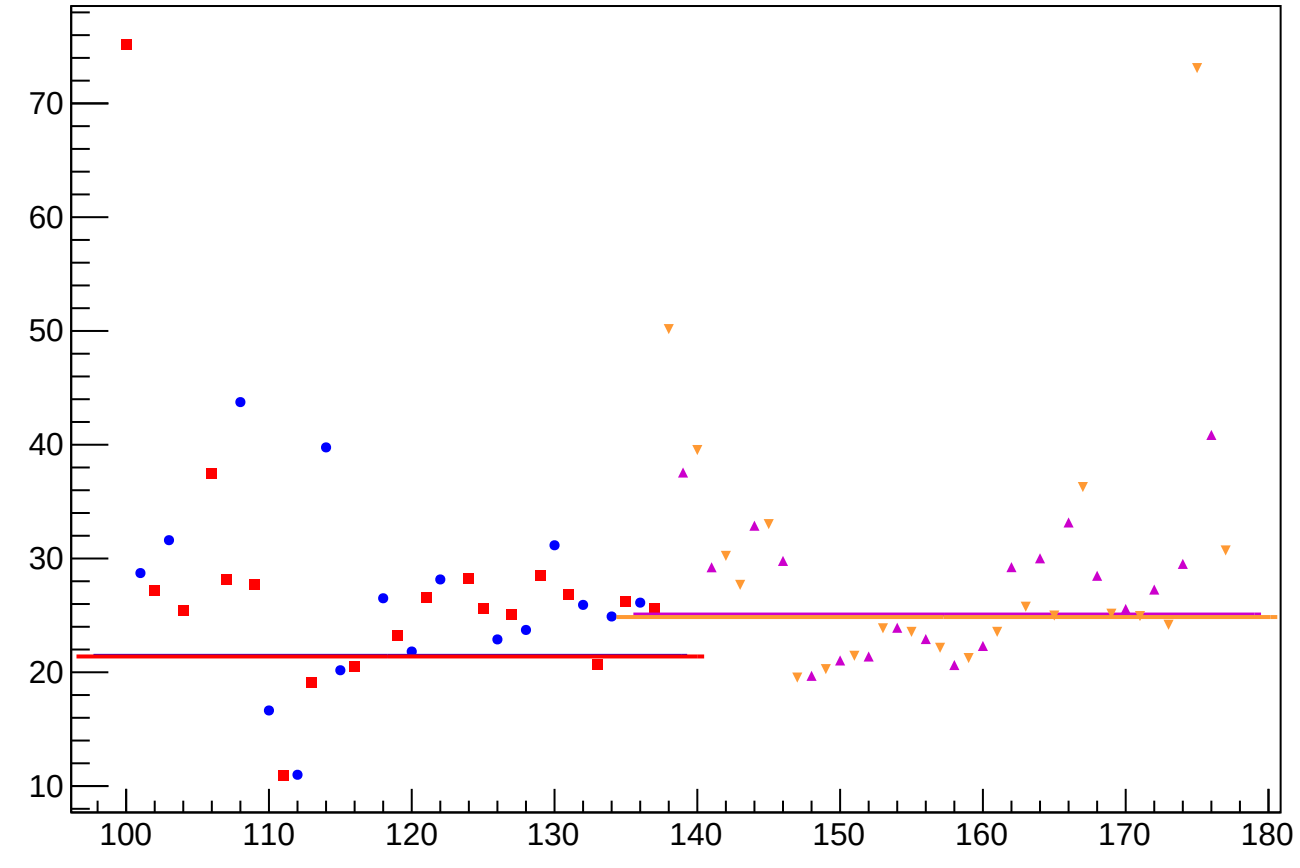
Left: -0.001+/-0.005 χ^2/NDF: 47.1/39

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.011+/-0.005 χ^2/NDF:43.7/34

Out: -0.004+/-0.005 χ^2/NDF:43.7/39

All: 0.003+/-0.004 χ^2/NDF: 91.4/74



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.854+/-0.005 χ^2/NDF:1848137.3/20

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 25.074+/-0.005 χ^2/NDF:1026631.1/18

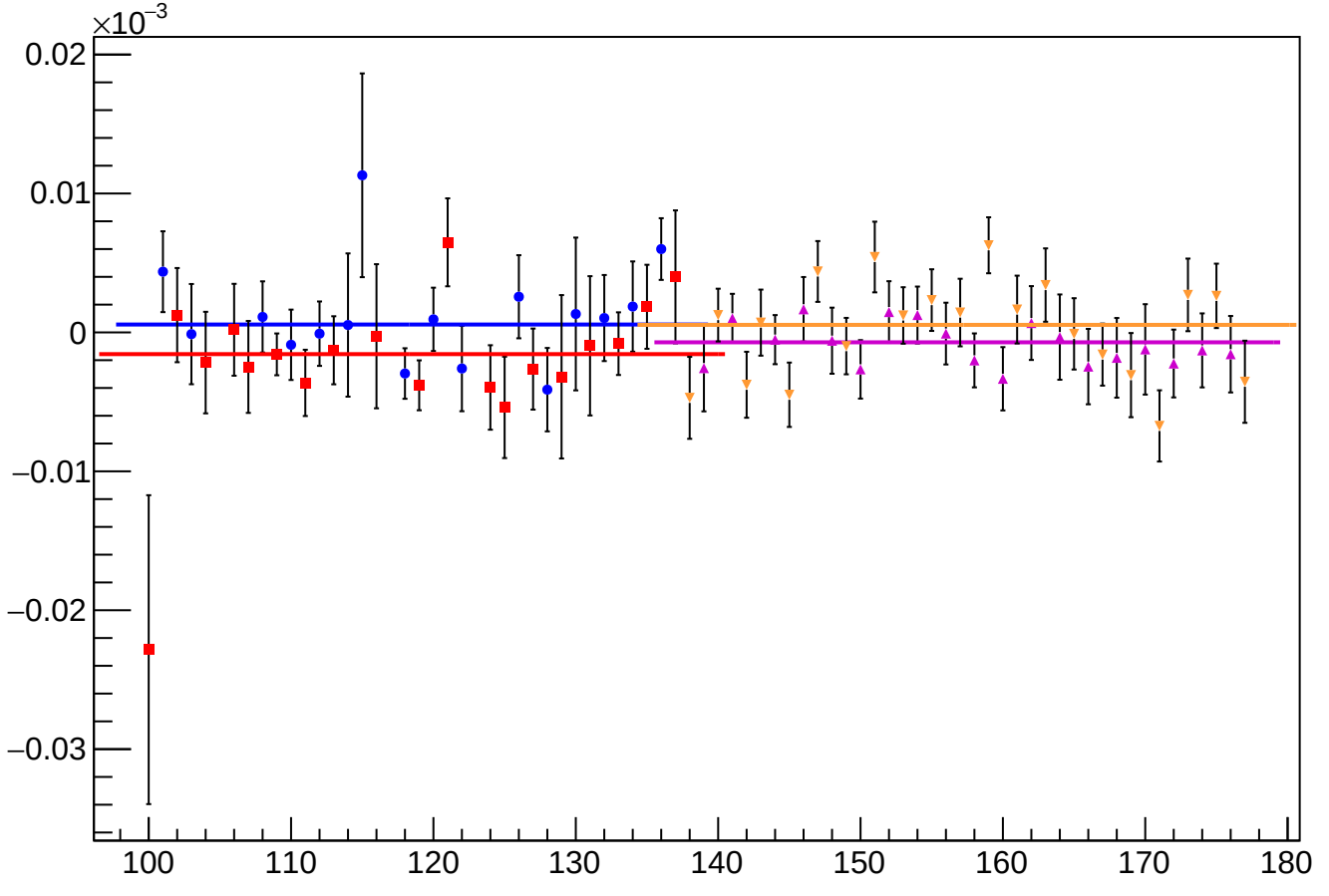
Left: 24.960+/-0.003 χ^2/NDF: 2875884.7/39

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 23.720+/-0.004 χ^2/NDF:2786427.1/34

Out: 23.588+/-0.004 χ^2/NDF:3370668.3/39

All: 23.652+/-0.003 χ^2/NDF: 6157725.5/74



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

Left Out: 0.000+/-0.000 χ^2/NDF:42.9/20

Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/18

Left In: -0.000+/-0.000 χ^2/NDF:8.4/18

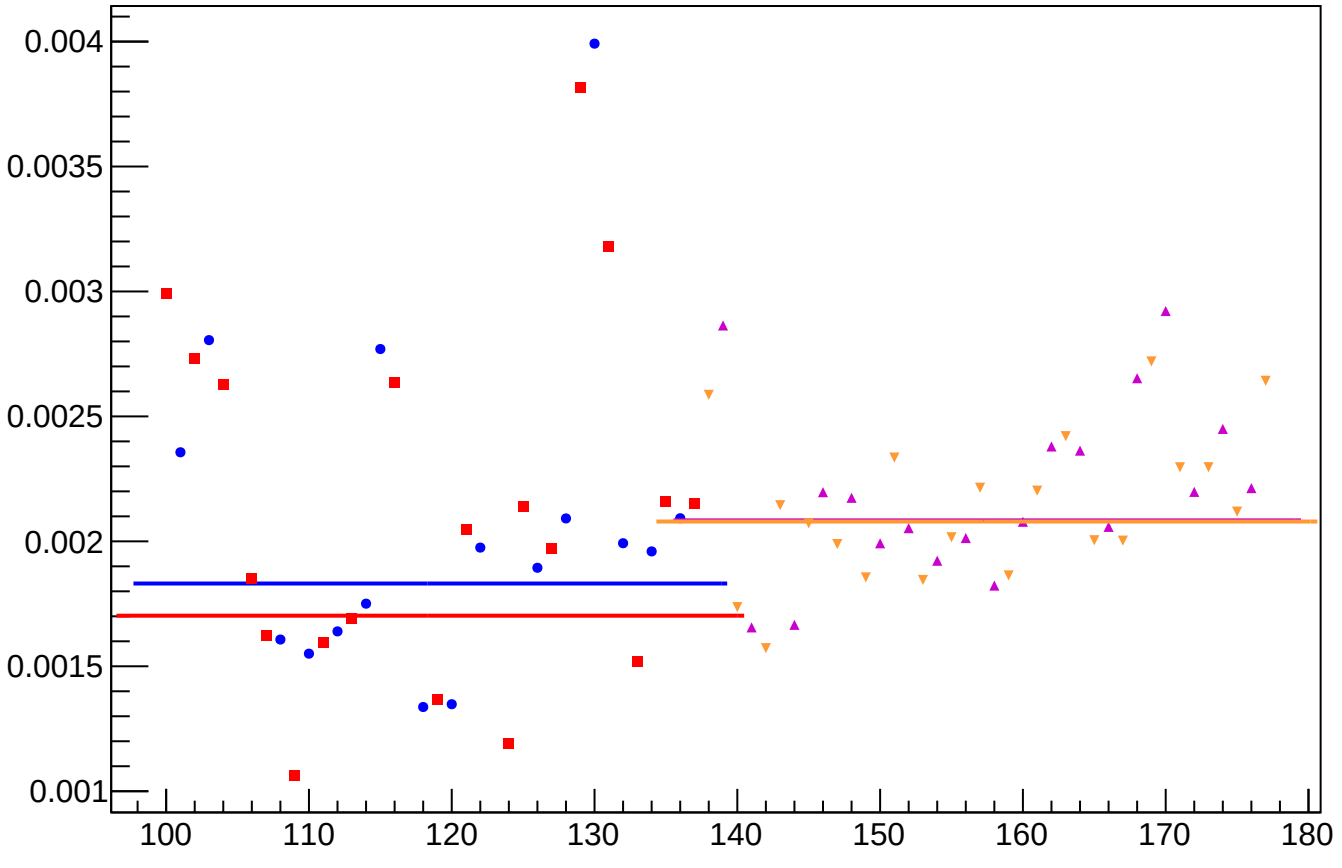
Left: -0.000+/-0.000 χ^2/NDF: 54.1/39

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: -0.000+/-0.000 χ^2/NDF:28.7/34

Out: -0.000+/-0.000 χ^2/NDF:67.5/39

All: -0.000+/-0.000 χ^2/NDF: 96.2/74



Right In: 0.002+/-0.000 χ^2/NDF: 900406.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:555221.4/20

Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

Left In: 0.002+/-0.000 χ^2/NDF:716977.2/18

Left: 0.002+/-0.000 χ^2/NDF: 1272278.3/39

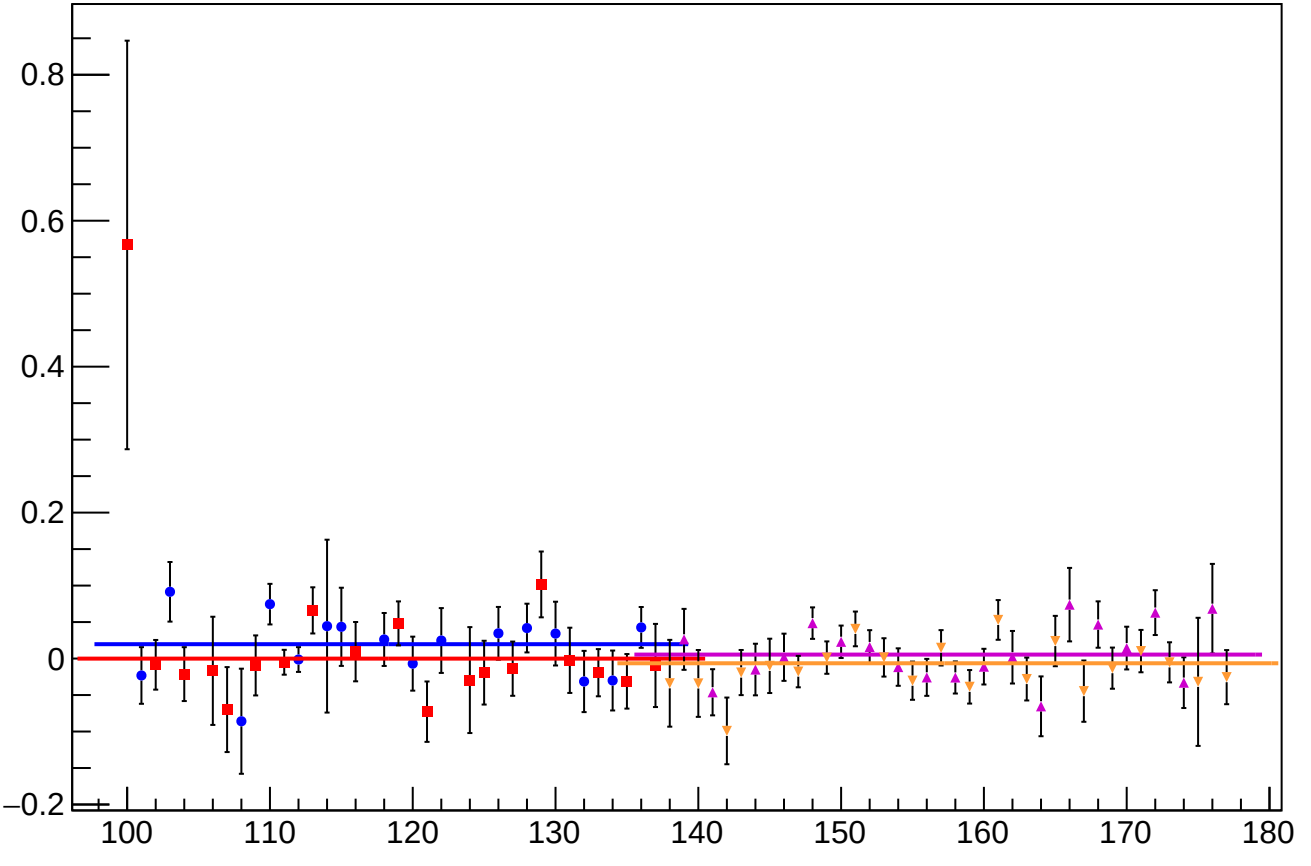
Right: 0.002+/-0.000 χ^2/NDF: 2413966.0/34

In: 0.002+/-0.000 χ^2/NDF:1779664.1/34

Out: 0.002+/-0.000 χ^2/NDF:2439022.6/39

All: 0.002+/-0.000 χ^2/NDF: 4236166.9/74

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.006 χ^2/NDF:20.5/20

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.005+/-0.007 χ^2/NDF:24.9/18

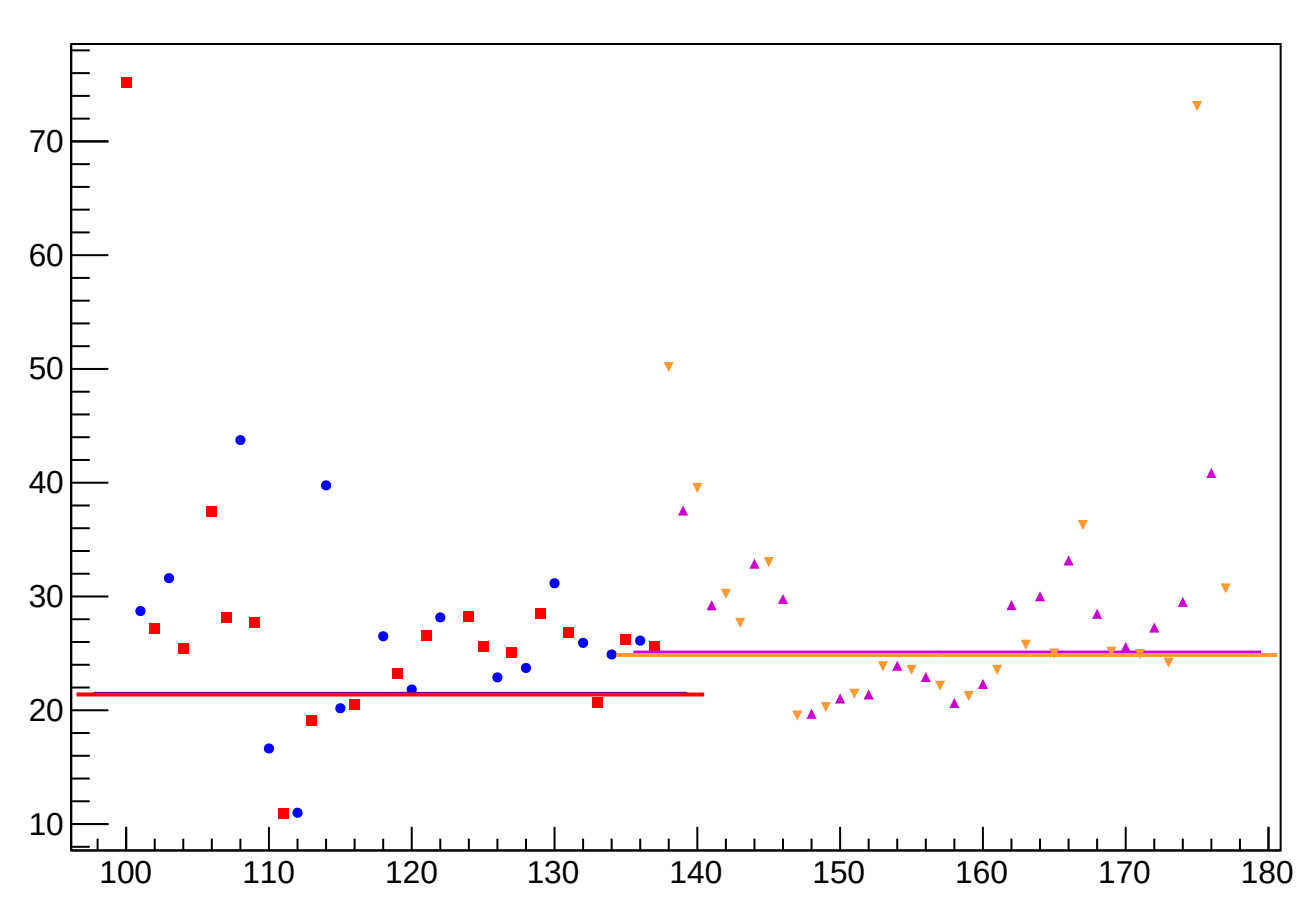
Left: -0.001+/-0.005 χ^2/NDF: 47.1/39

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.011+/-0.005 χ^2/NDF:43.7/34

Out: -0.004+/-0.005 χ^2/NDF:43.7/39

All: 0.003+/-0.004 χ^2/NDF: 91.4/74



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.855+/-0.005 χ^2/NDF:1848129.2/20

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 25.074+/-0.005 χ^2/NDF:1026628.6/18

Left: 24.960+/-0.003 χ^2/NDF: 2875874.4/39

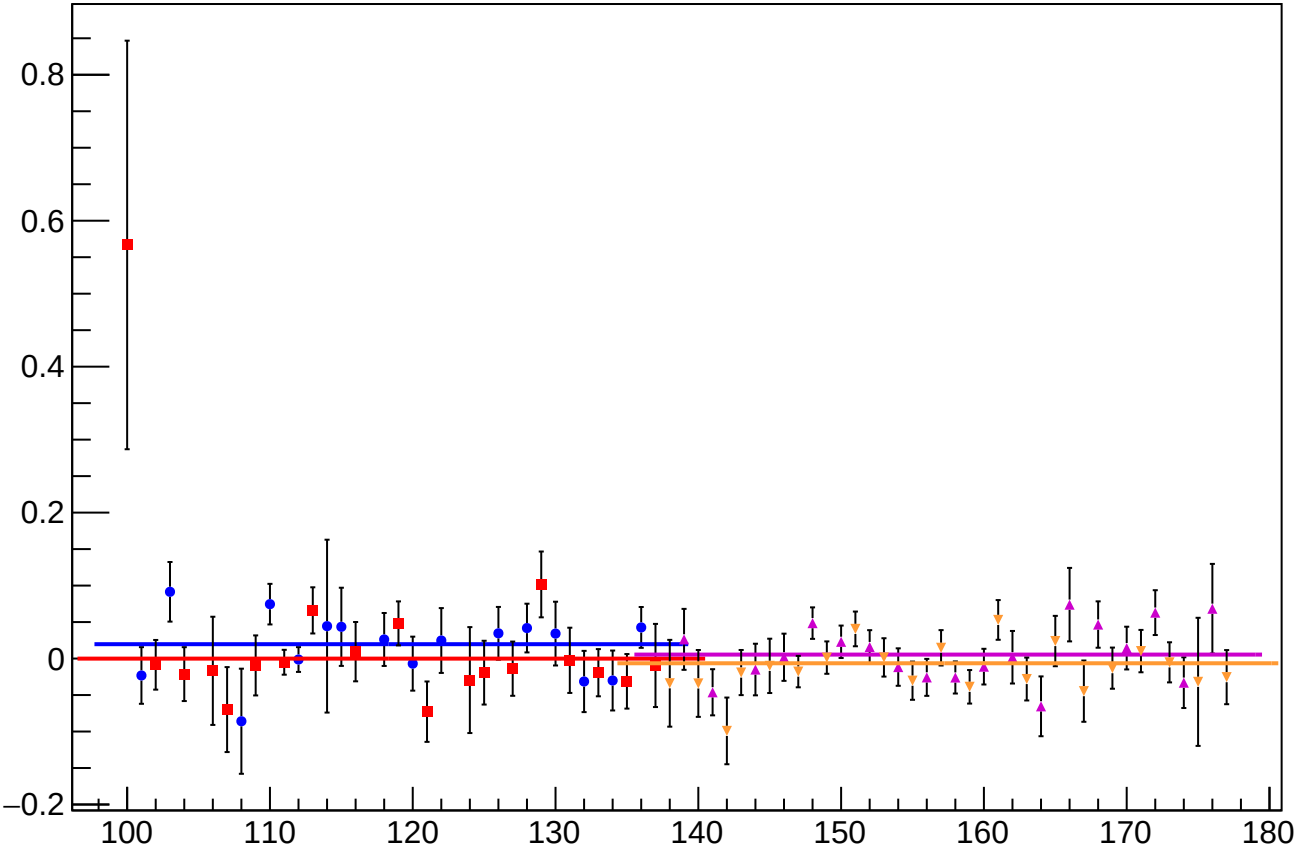
Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 23.719+/-0.004 χ^2/NDF:2786674.1/34

Out: 23.588+/-0.004 χ^2/NDF:3370878.8/39

All: 23.652+/-0.003 χ^2/NDF: 6158183.1/74

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.006 χ^2/NDF:20.5/20

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.005+/-0.007 χ^2/NDF:24.9/18

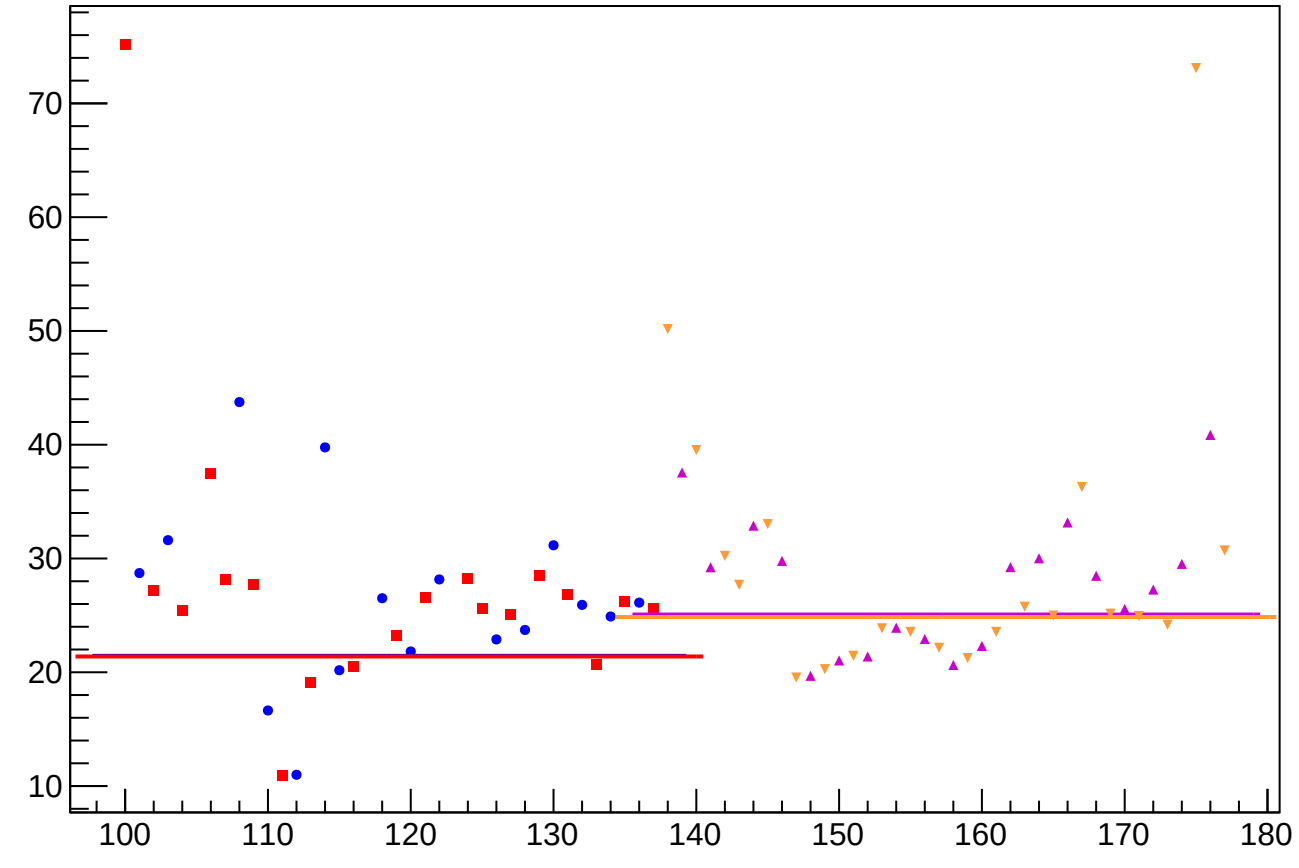
Left: -0.001+/-0.005 χ^2/NDF: 47.1/39

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.011+/-0.005 χ^2/NDF:43.7/34

Out: -0.004+/-0.005 χ^2/NDF:43.7/39

All: 0.003+/-0.004 χ^2/NDF: 91.4/74



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.855+/-0.005 χ^2/NDF:1848129.2/20

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 25.074+/-0.005 χ^2/NDF:1026628.6/18

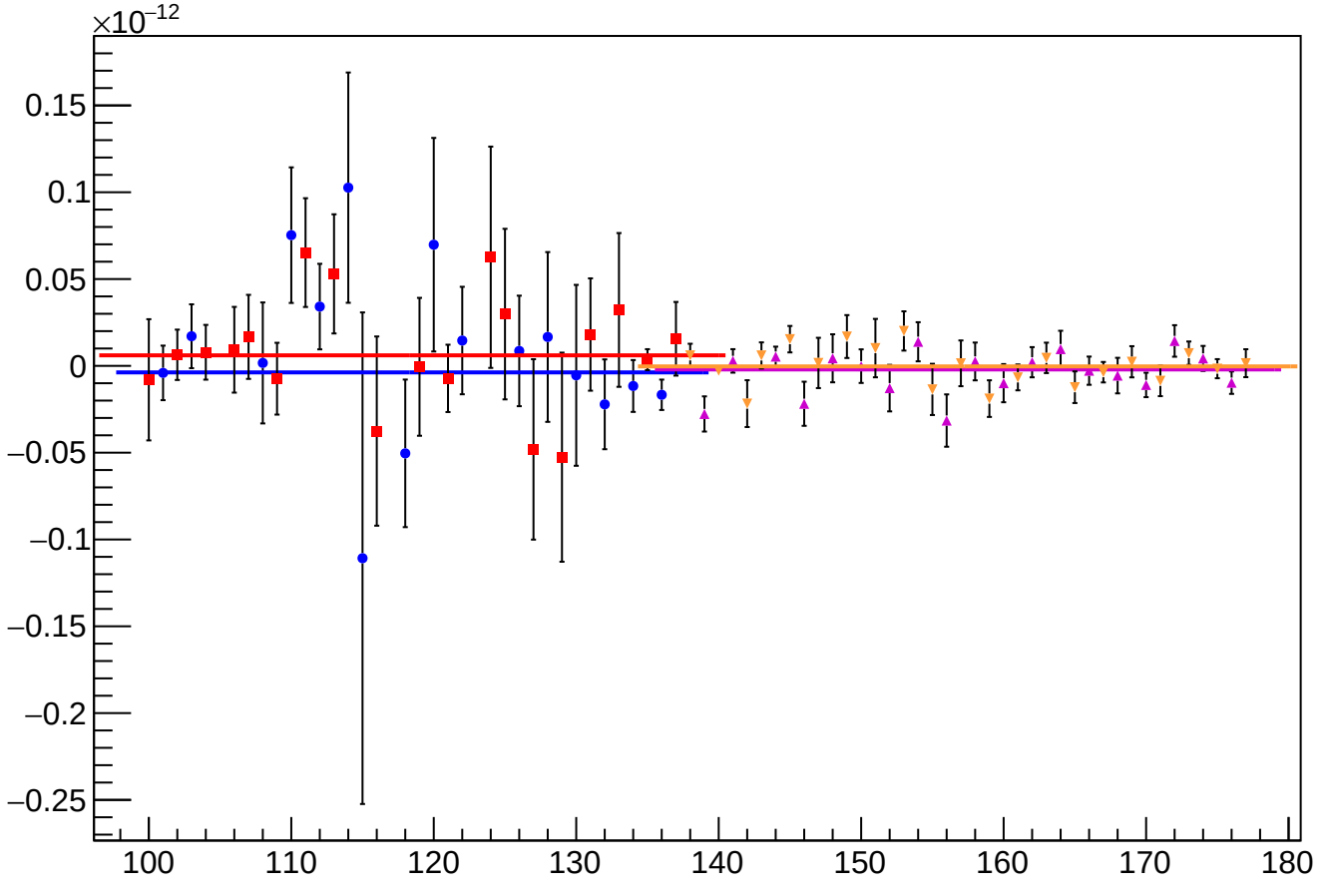
Left: 24.960+/-0.003 χ^2/NDF: 2875874.4/39

Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 23.719+/-0.004 χ^2/NDF:2786674.1/34

Out: 23.588+/-0.004 χ^2/NDF:3370878.8/39

All: 23.652+/-0.003 χ^2/NDF: 6158183.1/74



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

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

Right Out: 0.000+/-0.000 χ^2/NDF: 11.3/18

Left In: -0.000+/-0.000 χ^2/NDF:27.1/18

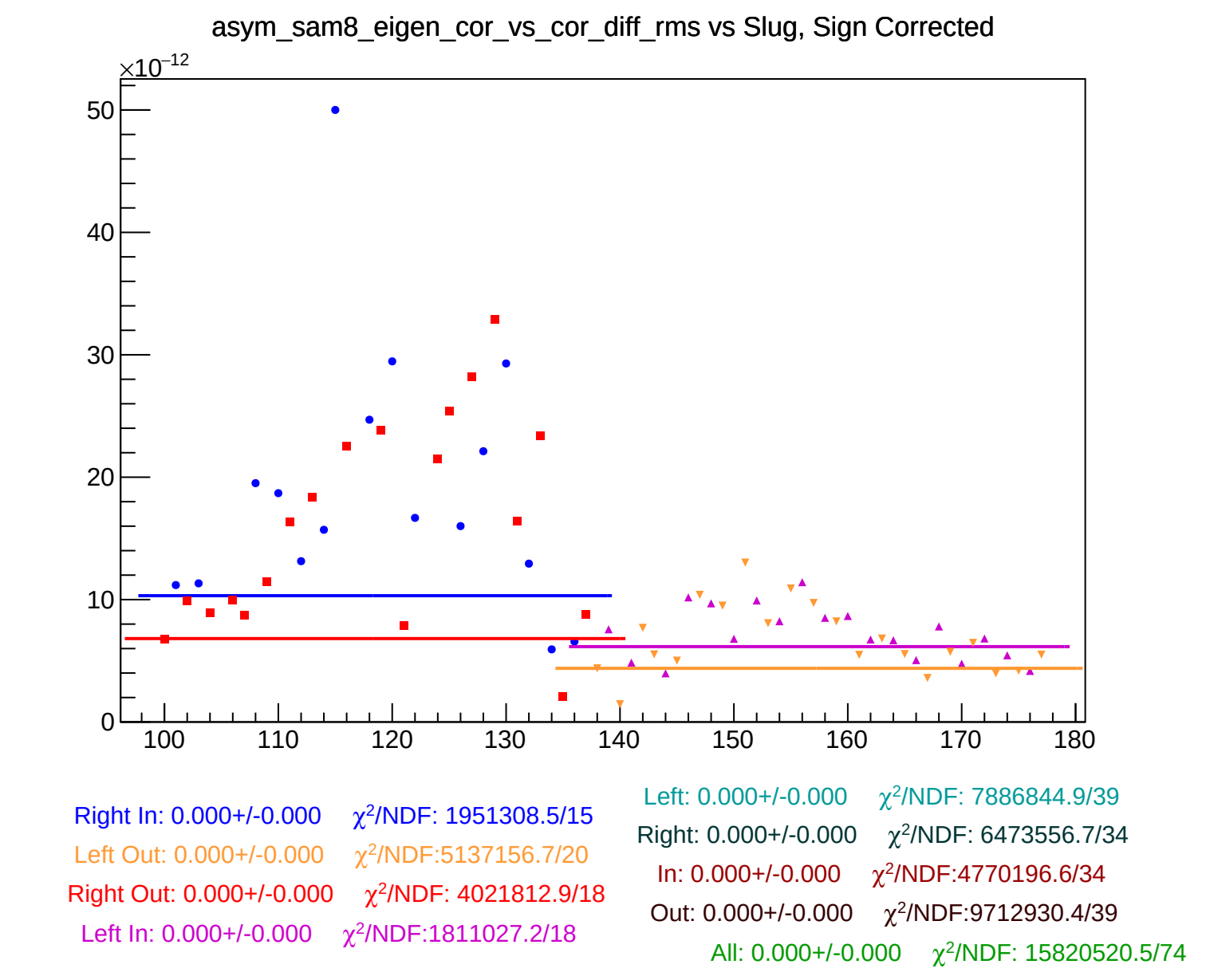
Left: -0.000+/-0.000 χ^2/NDF: 51.6/39

Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:44.3/34

Out: 0.000+/-0.000 χ^2/NDF:37.3/39

All: -0.000+/-0.000 χ^2/NDF: 82.8/74


asym_sam8_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
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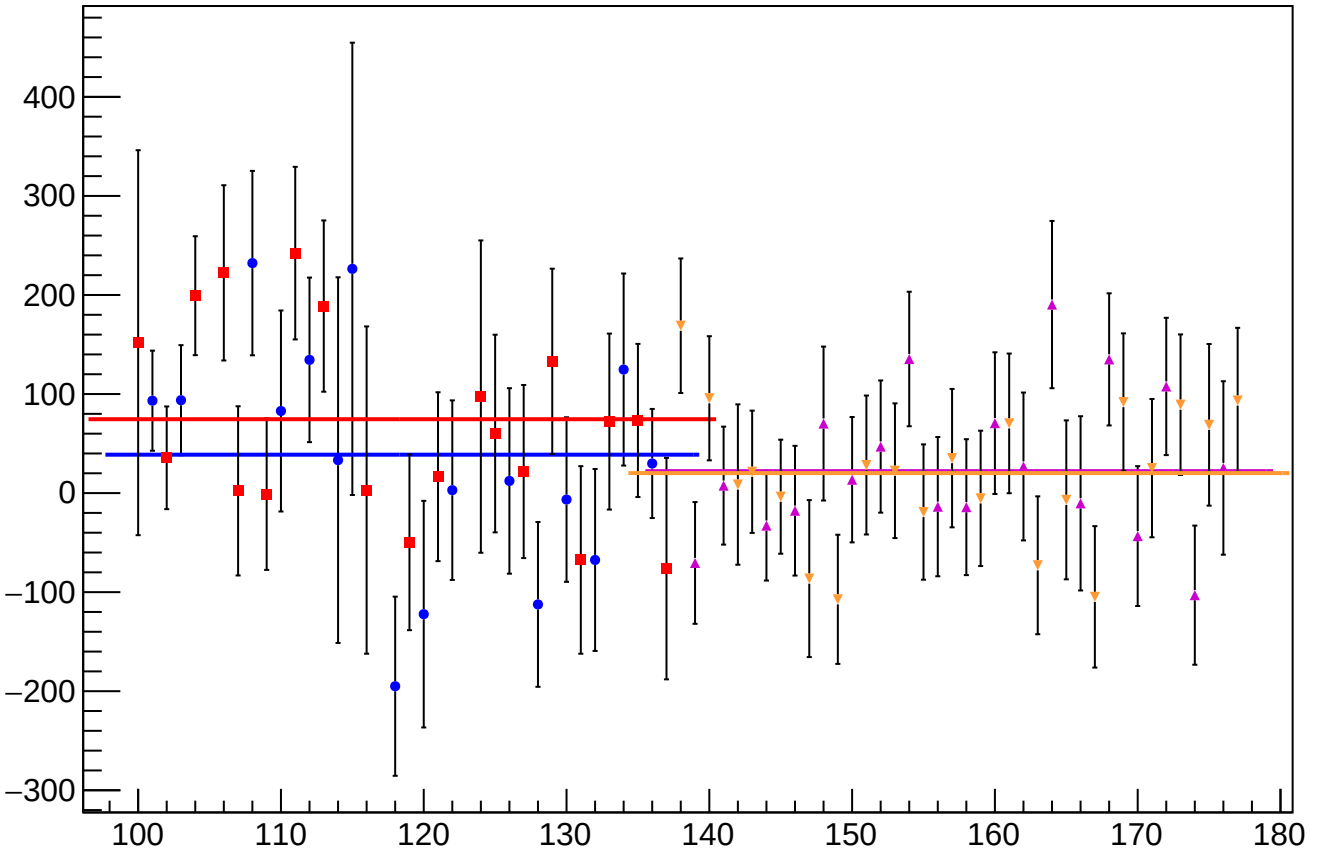
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1951308.5/15
Left Out: 0.000+/-0.000 χ²/NDF:5137156.7/20
Right Out: 0.000+/-0.000 χ²/NDF: 4021812.9/18
Left In: 0.000+/-0.000 χ²/NDF:1811027.2/18
Left: 0.000+/-0.000 χ²/NDF: 7886844.9/39
Right: 0.000+/-0.000 χ²/NDF: 6473556.7/34
In: 0.000+/-0.000 χ²/NDF:4770196.6/34
Out: 0.000+/-0.000 χ²/NDF:9712930.4/39
All: 0.000+/-0.000 χ²/NDF: 15820520.5/74



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 20.202+/-15.175 χ^2/NDF:21.5/20

Right Out: 74.578+/-19.802 χ^2/NDF: 22.5/18

Left In: 22.133+/-15.835 χ^2/NDF:20.5/18

Left: 21.127+/-10.956 χ^2/NDF: 42.0/39

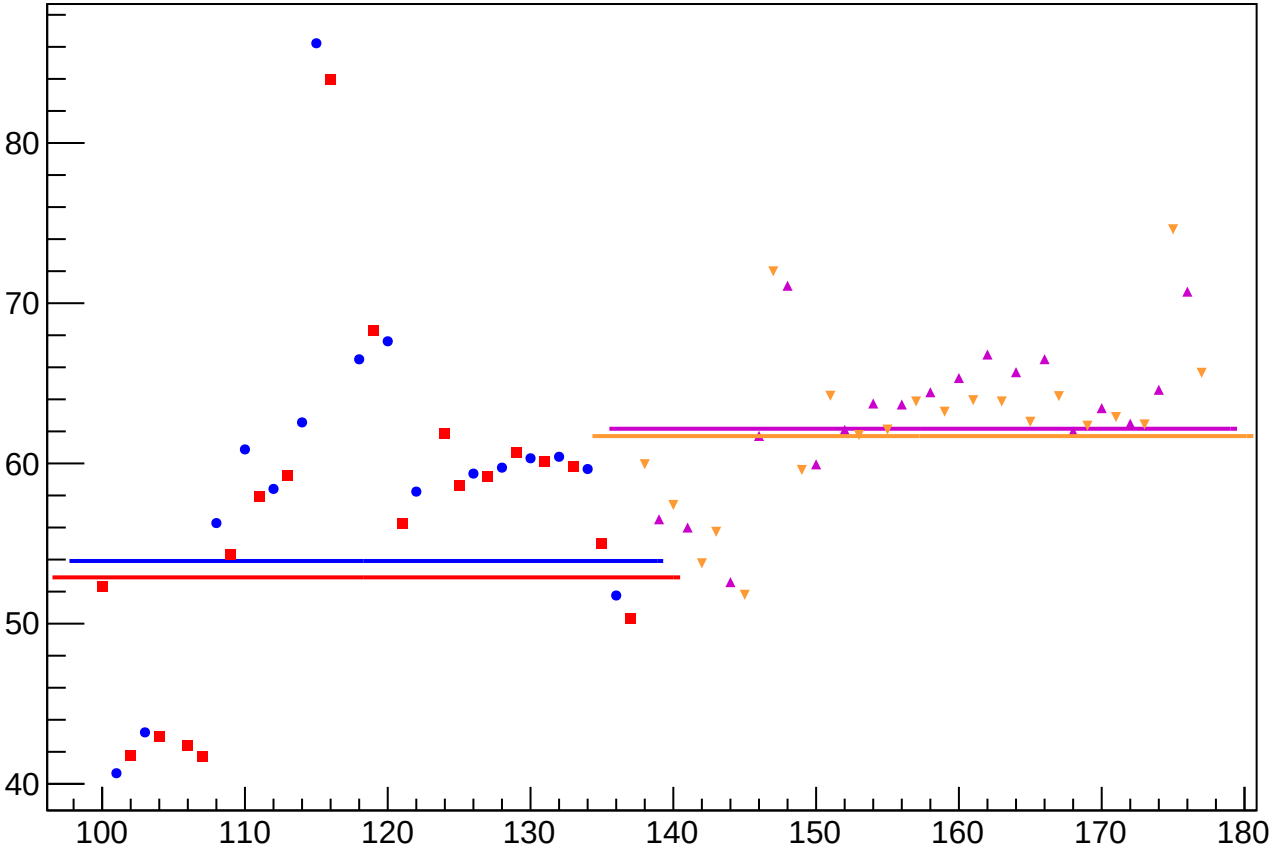
Right: 57.224+/-14.213 χ^2/NDF: 47.3/34

In: 28.388+/-12.512 χ^2/NDF:44.3/34

Out: 40.321+/-12.045 χ^2/NDF:48.7/39

All: 34.582+/-8.677 χ^2/NDF: 93.4/74

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 61.706+/-0.011 χ^2/NDF:212765.4/20

Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

Left In: 62.165+/-0.011 χ^2/NDF:173262.1/18

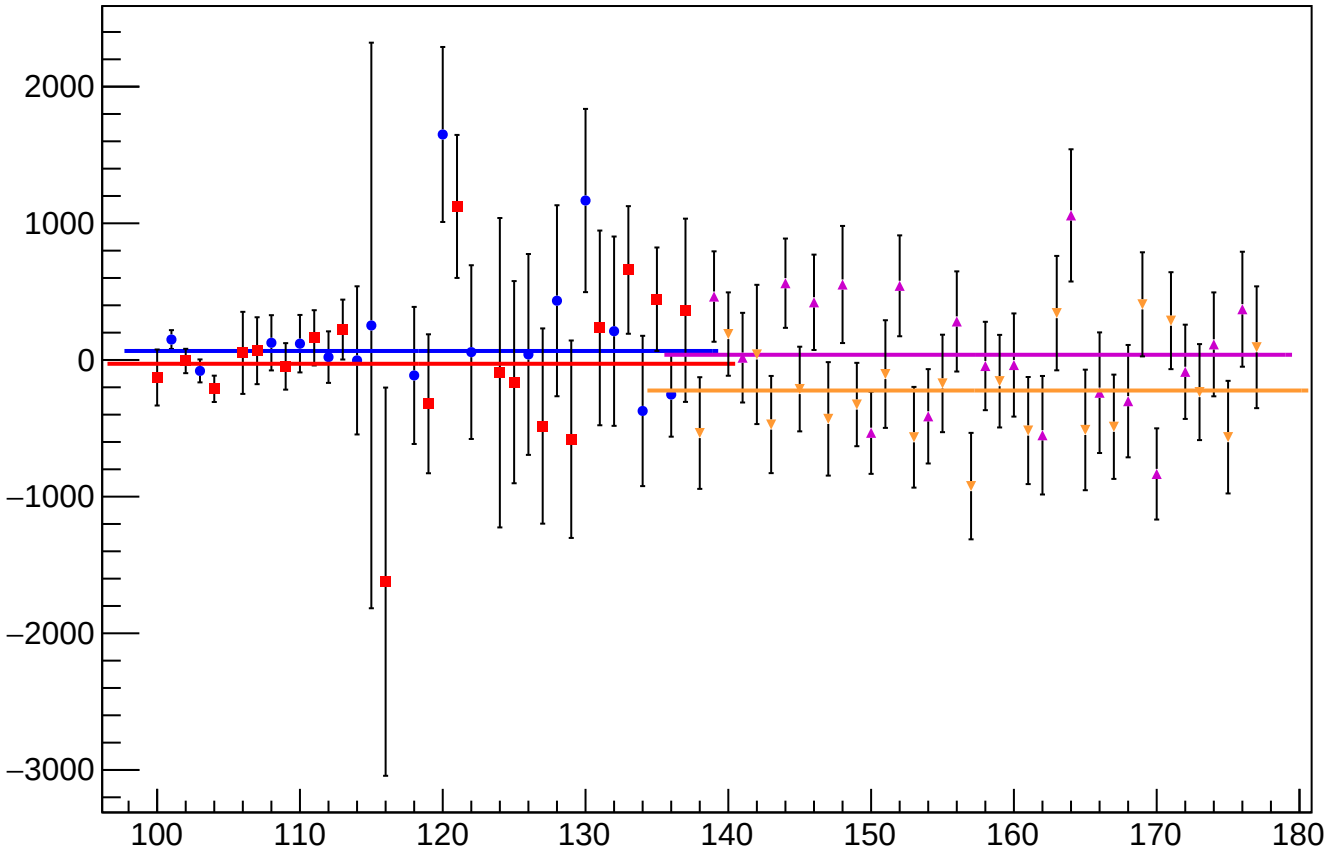
Left: 61.926+/-0.008 χ^2/NDF: 386903.0/39

Right: 53.385+/-0.010 χ^2/NDF: 821077.5/34

In: 59.064+/-0.009 χ^2/NDF:770605.7/34

Out: 58.444+/-0.009 χ^2/NDF:887803.7/39

All: 58.742+/-0.006 χ^2/NDF: 1660964.7/74



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -223.475+/-81.498 χ^2/NDF:17.1/20

Right Out: -27.850+/-50.291 χ^2/NDF: 18.0/18

Left In: 38.032+/-83.660 χ^2/NDF:29.6/18

Left: -96.145+/-58.377 χ^2/NDF: 51.7/39

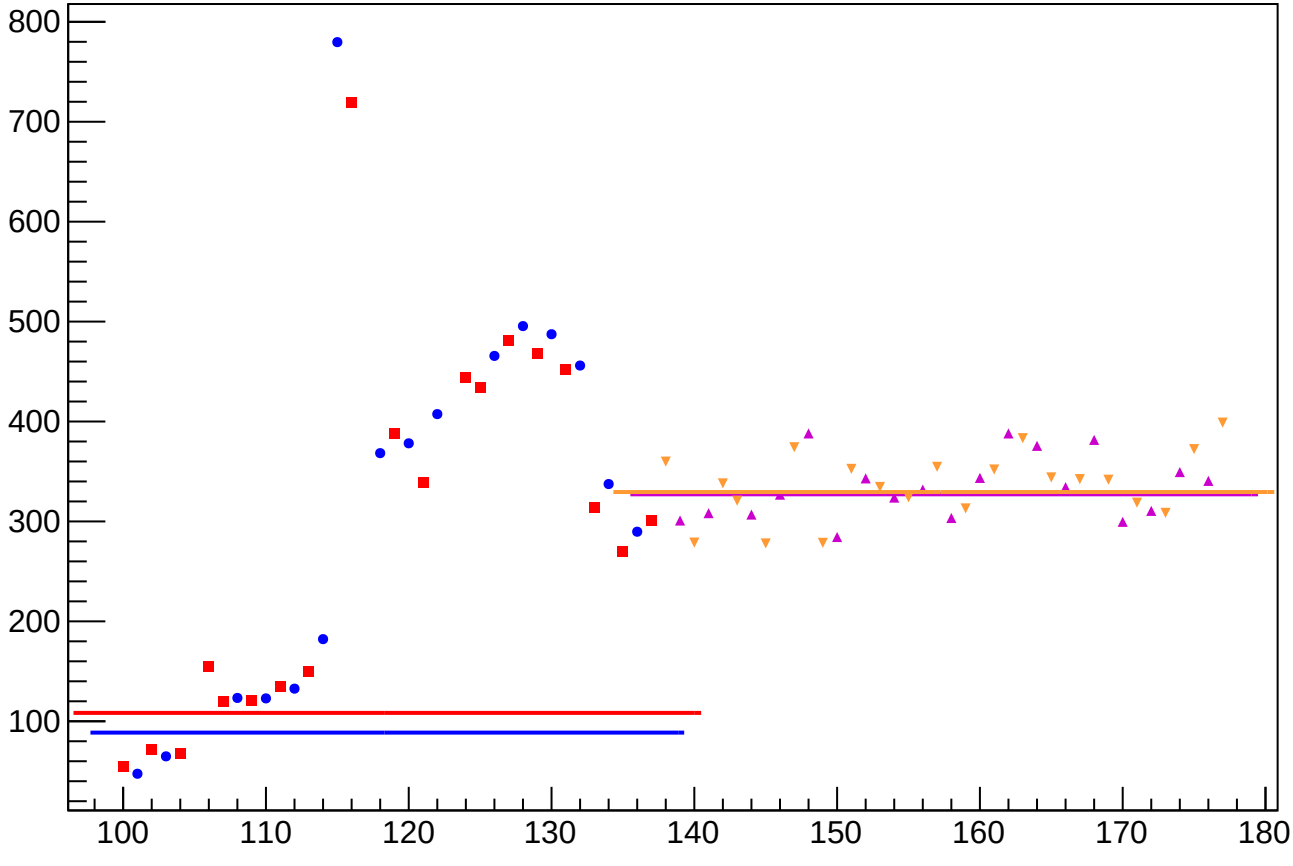
Right: 22.688+/-34.134 χ^2/NDF: 35.6/34

In: 59.291+/-40.629 χ^2/NDF:45.4/34

Out: -81.800+/-42.798 χ^2/NDF:39.3/39

All: -7.588+/-29.466 χ^2/NDF: 90.3/74

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: 329.429+/-0.058 χ^2/NDF:348345.5/20

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

Left In: 327.136+/-0.059 χ^2/NDF:248808.1/18

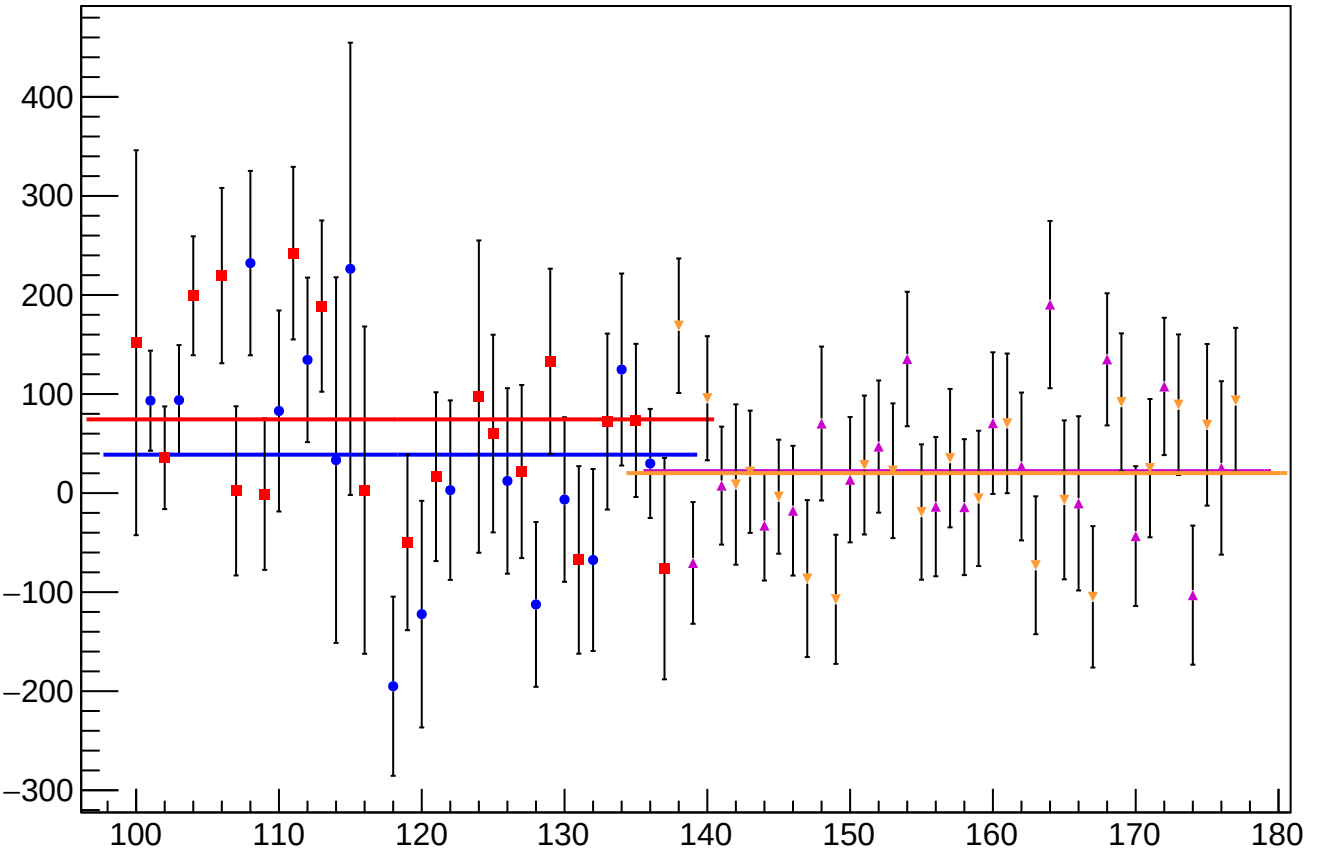
Left: 328.313+/-0.041 χ^2/NDF: 597924.5/39

Right: 97.745+/-0.024 χ^2/NDF: 12176874.0/34

In: 144.904+/-0.029 χ^2/NDF:19315391.1/34

Out: 169.345+/-0.030 χ^2/NDF:16366499.5/39

All: 156.490+/-0.021 χ^2/NDF: 36024955.9/74



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 20.203+/-15.175 χ^2/NDF:21.5/20

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: 22.133+/-15.835 χ^2/NDF:20.5/18

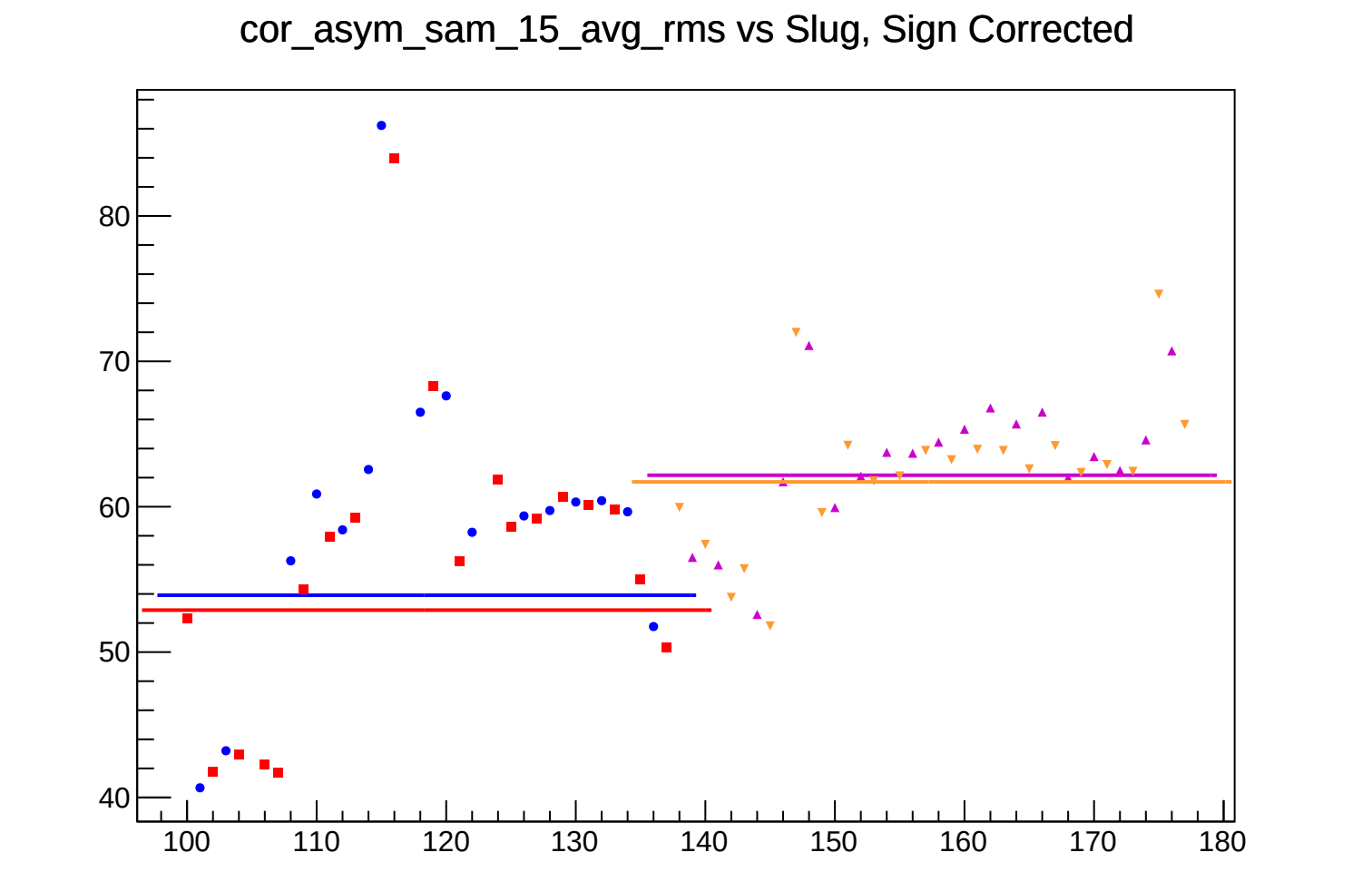
Left: 21.127+/-10.956 χ^2/NDF: 42.0/39

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 28.392+/-12.512 χ^2/NDF:44.3/34

Out: 40.270+/-12.045 χ^2/NDF:48.5/39

All: 34.557+/-8.678 χ^2/NDF: 93.3/74



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 61.706+/-0.011 χ^2/NDF:212765.4/20

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 62.165+/-0.011 χ^2/NDF:173262.1/18

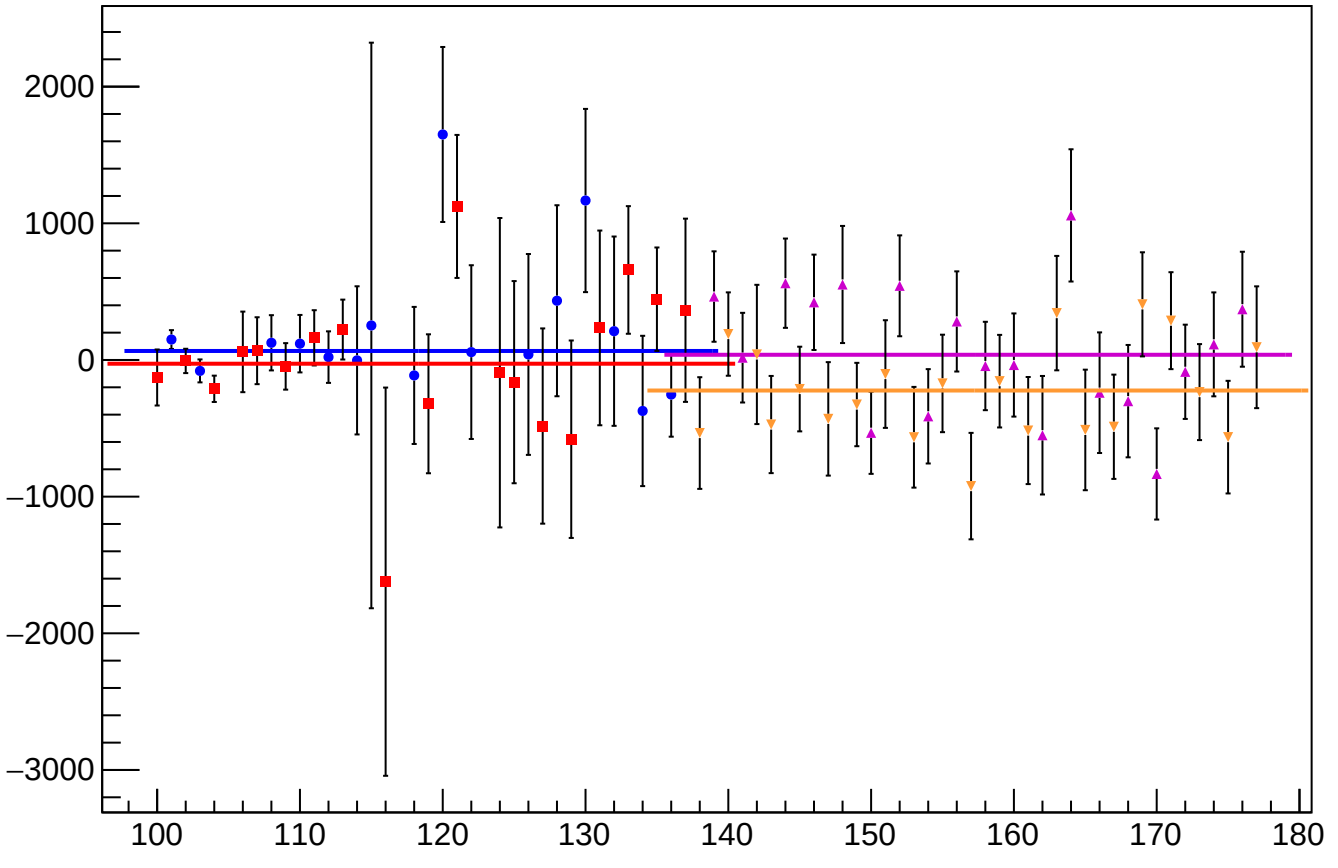
Left: 61.926+/-0.008 χ^2/NDF: 386903.0/39

Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 59.064+/-0.009 χ^2/NDF:770604.8/34

Out: 58.443+/-0.009 χ^2/NDF:888216.2/39

All: 58.742+/-0.006 χ^2/NDF: 1661380.7/74



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -223.474+/-81.498 χ^2/NDF:17.1/20

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 38.030+/-83.660 χ^2/NDF:29.6/18

Left: -96.145+/-58.377 χ^2/NDF: 51.7/39

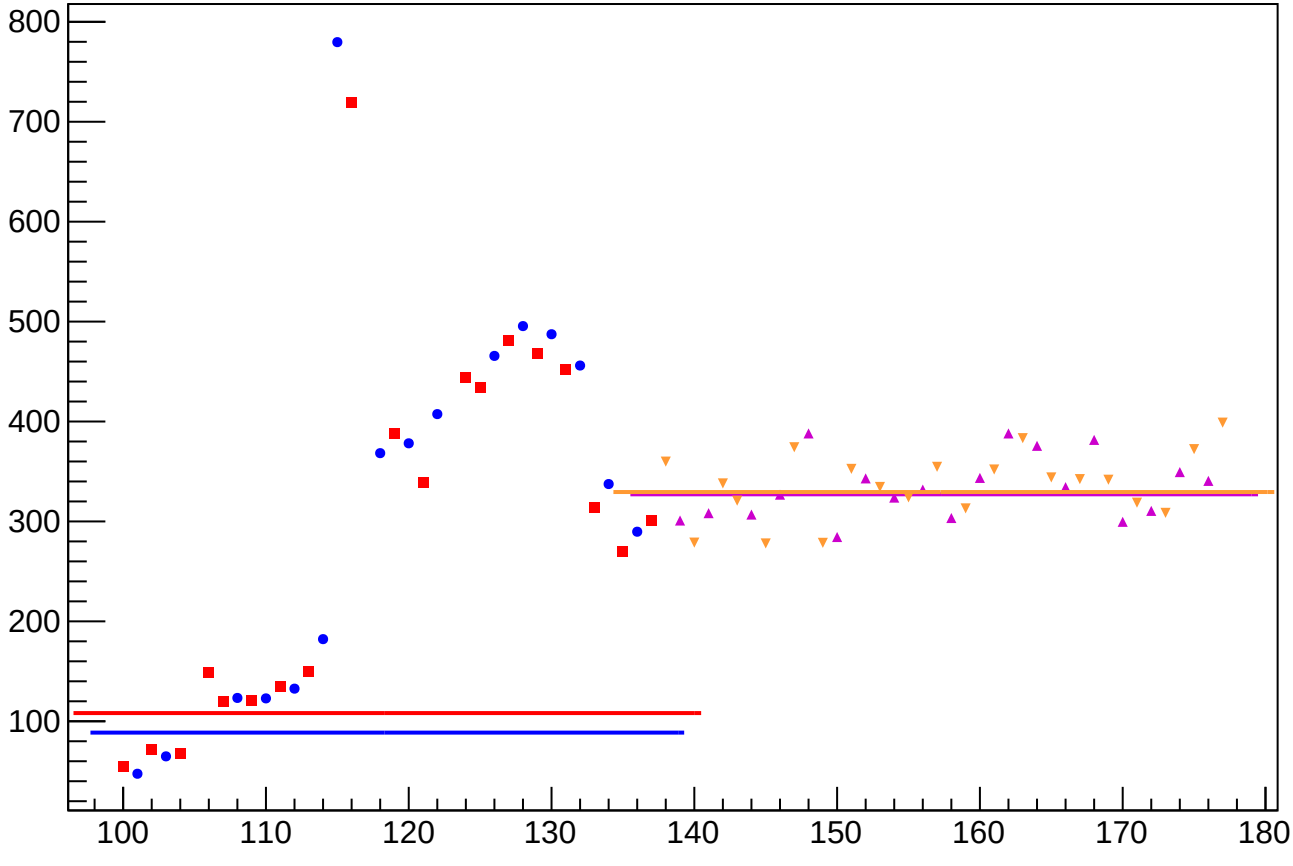
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 59.294+/-40.629 χ^2/NDF:45.4/34

Out: -81.411+/-42.772 χ^2/NDF:39.3/39

All: -7.445+/-29.457 χ^2/NDF: 90.4/74

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: 329.429+/-0.058 χ^2/NDF:348341.9/20

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 327.136+/-0.059 χ^2/NDF:248813.3/18

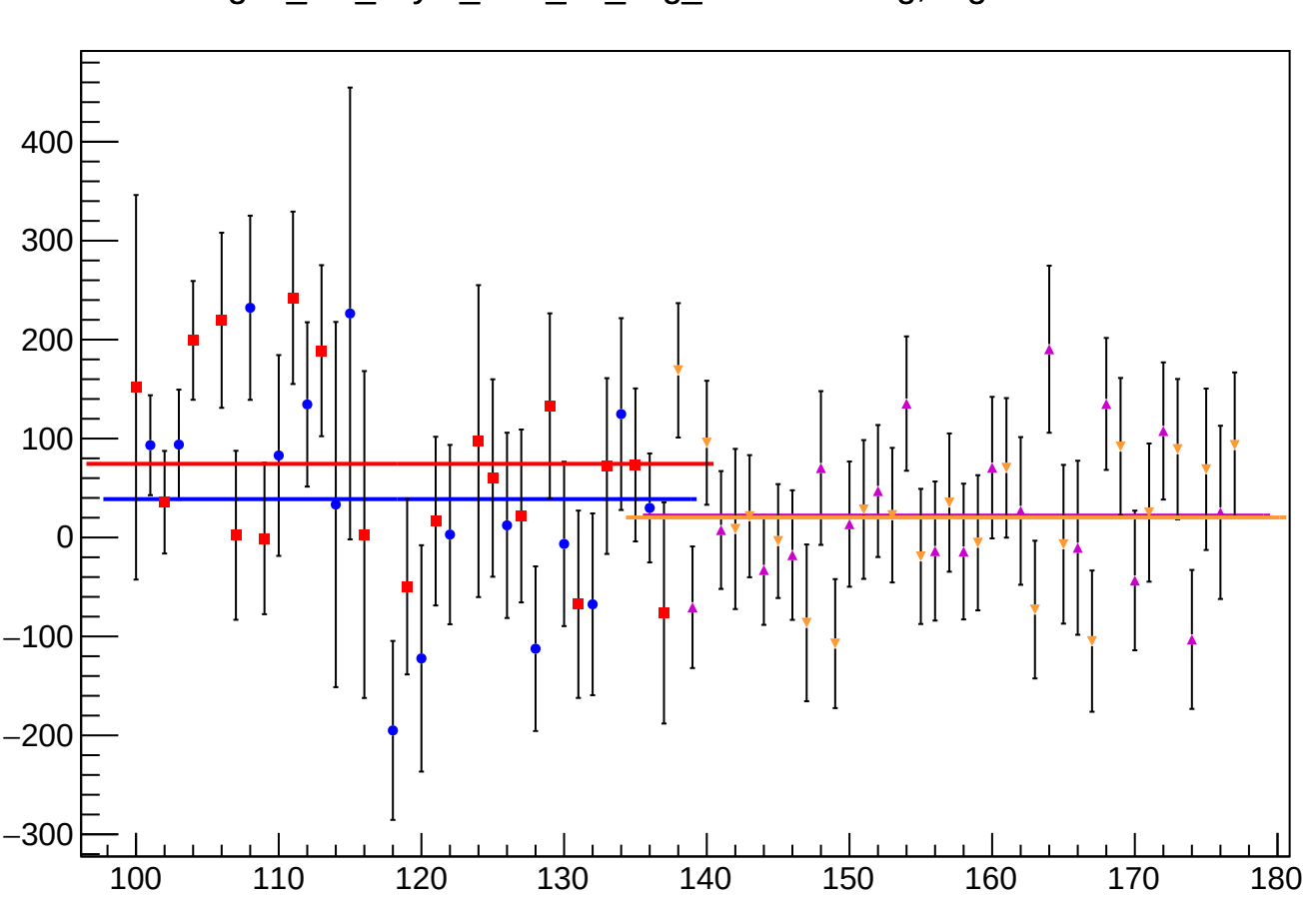
Left: 328.313+/-0.041 χ^2/NDF: 597926.3/39

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 144.900+/-0.029 χ^2/NDF:19315857.4/34

Out: 169.141+/-0.030 χ^2/NDF:16380755.1/39

All: 156.398+/-0.021 χ^2/NDF: 36034292.9/74



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 20.203+/-15.175 χ^2/NDF:21.5/20

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: 22.133+/-15.835 χ^2/NDF:20.5/18

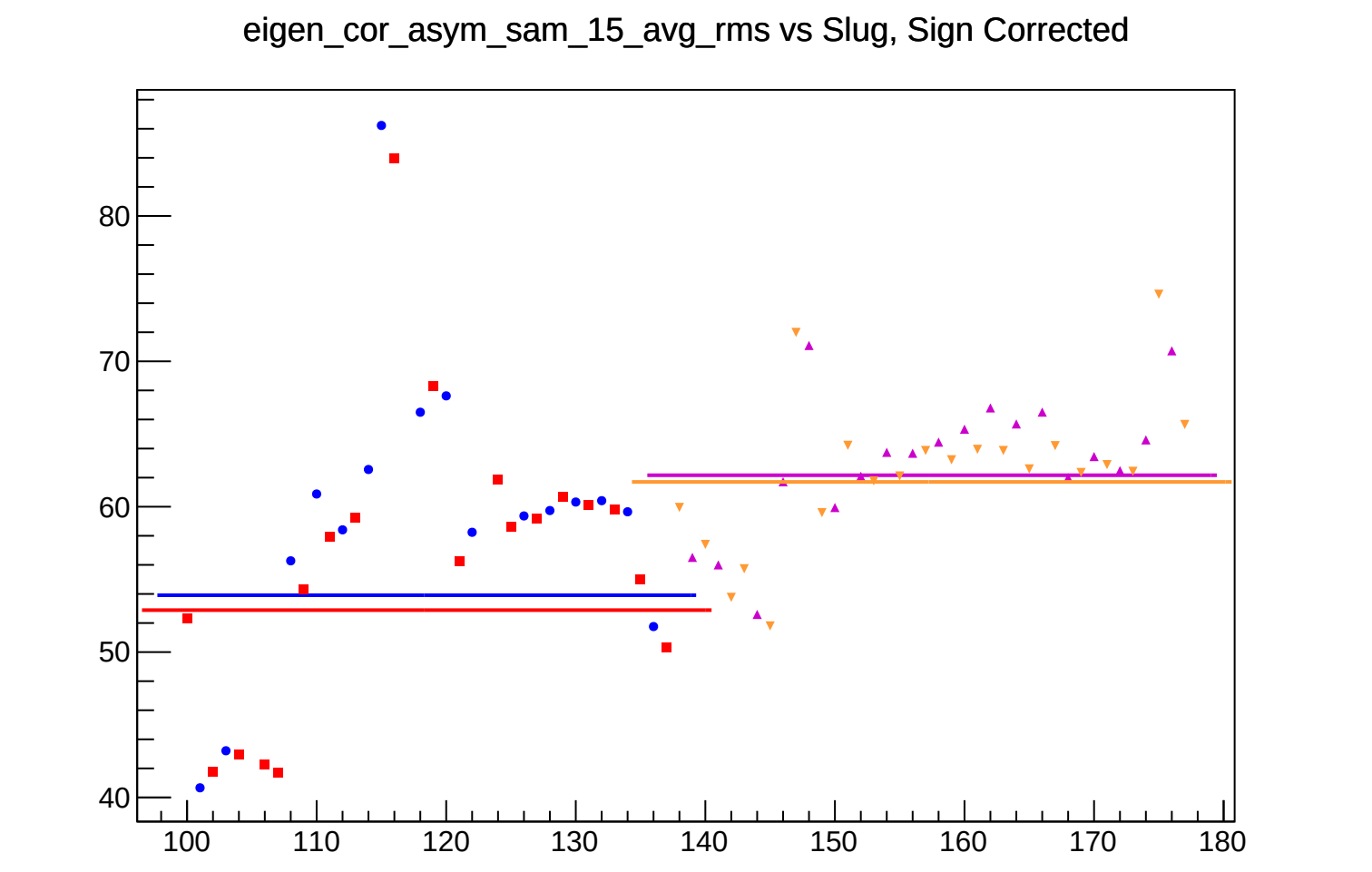
Left: 21.127+/-10.956 χ^2/NDF: 42.0/39

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 28.392+/-12.512 χ^2/NDF:44.3/34

Out: 40.270+/-12.045 χ^2/NDF:48.5/39

All: 34.557+/-8.678 χ^2/NDF: 93.3/74



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 61.706+/-0.011 χ^2/NDF:212765.4/20

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 62.165+/-0.011 χ^2/NDF:173262.1/18

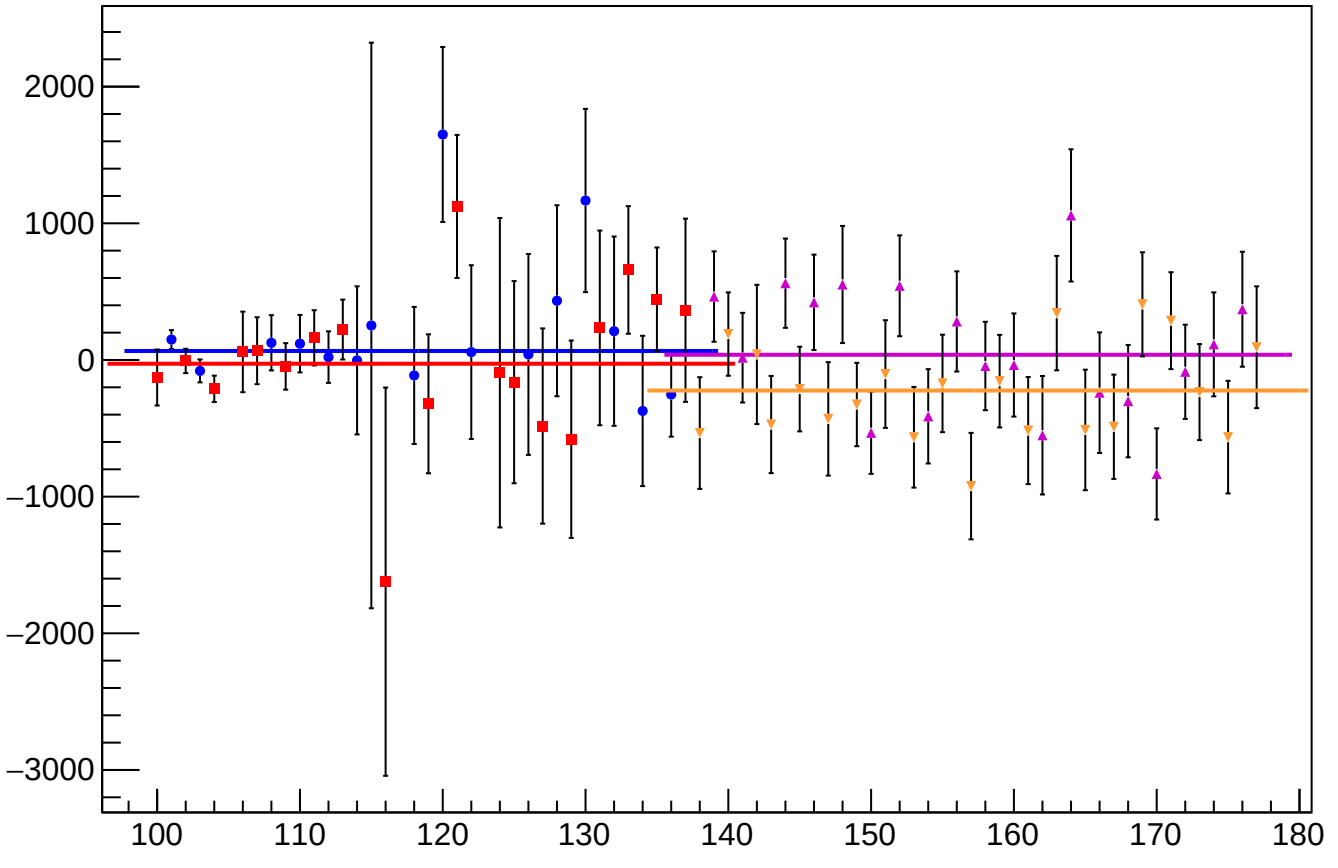
Left: 61.926+/-0.008 χ^2/NDF: 386903.0/39

Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 59.064+/-0.009 χ^2/NDF:770604.8/34

Out: 58.443+/-0.009 χ^2/NDF:888216.2/39

All: 58.742+/-0.006 χ^2/NDF: 1661380.7/74



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -223.474+/-81.498 χ^2/NDF:17.1/20

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 38.030+/-83.660 χ^2/NDF:29.6/18

Left: -96.145+/-58.377 χ^2/NDF: 51.7/39

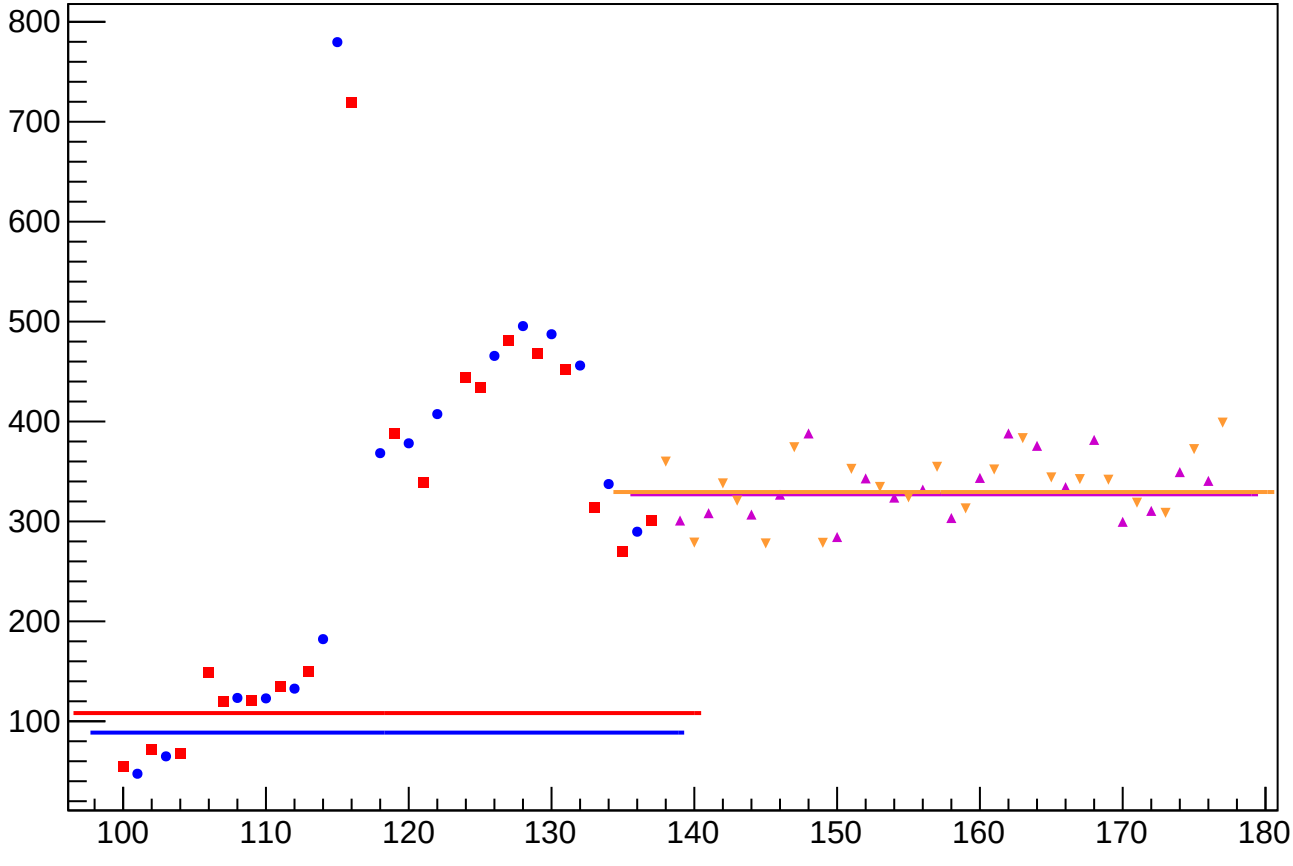
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 59.294+/-40.629 χ^2/NDF:45.4/34

Out: -81.411+/-42.772 χ^2/NDF:39.3/39

All: -7.445+/-29.457 χ^2/NDF: 90.4/74

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: 329.429+/-0.058 χ^2/NDF:348341.9/20

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 327.136+/-0.059 χ^2/NDF:248813.3/18

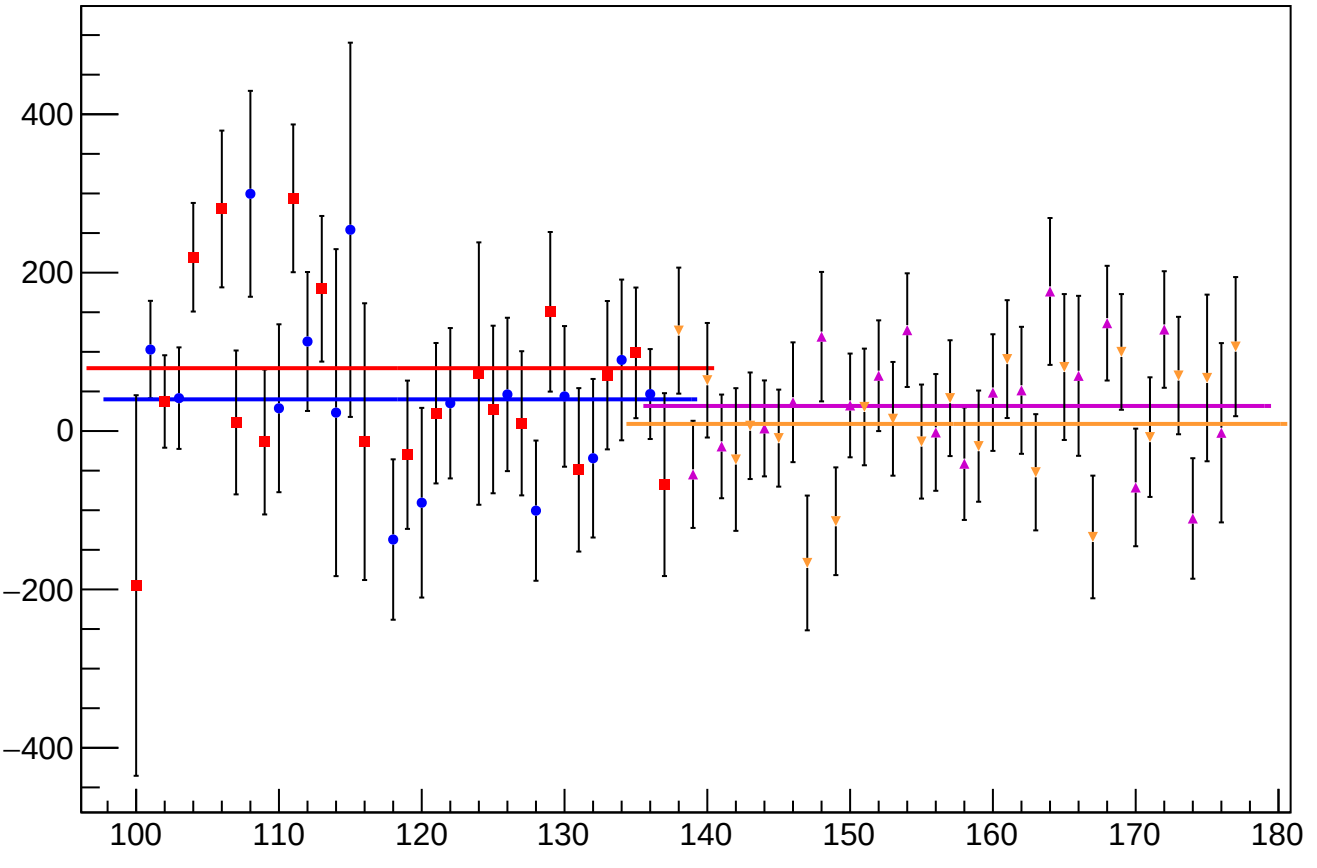
Left: 328.313+/-0.041 χ^2/NDF: 597926.3/39

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 144.900+/-0.029 χ^2/NDF:19315857.4/34

Out: 169.141+/-0.030 χ^2/NDF:16380755.1/39

All: 156.398+/-0.021 χ^2/NDF: 36034292.9/74



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 8.995+/-16.462 χ^2/NDF:20.9/20

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 31.671+/-17.089 χ^2/NDF:18.9/18

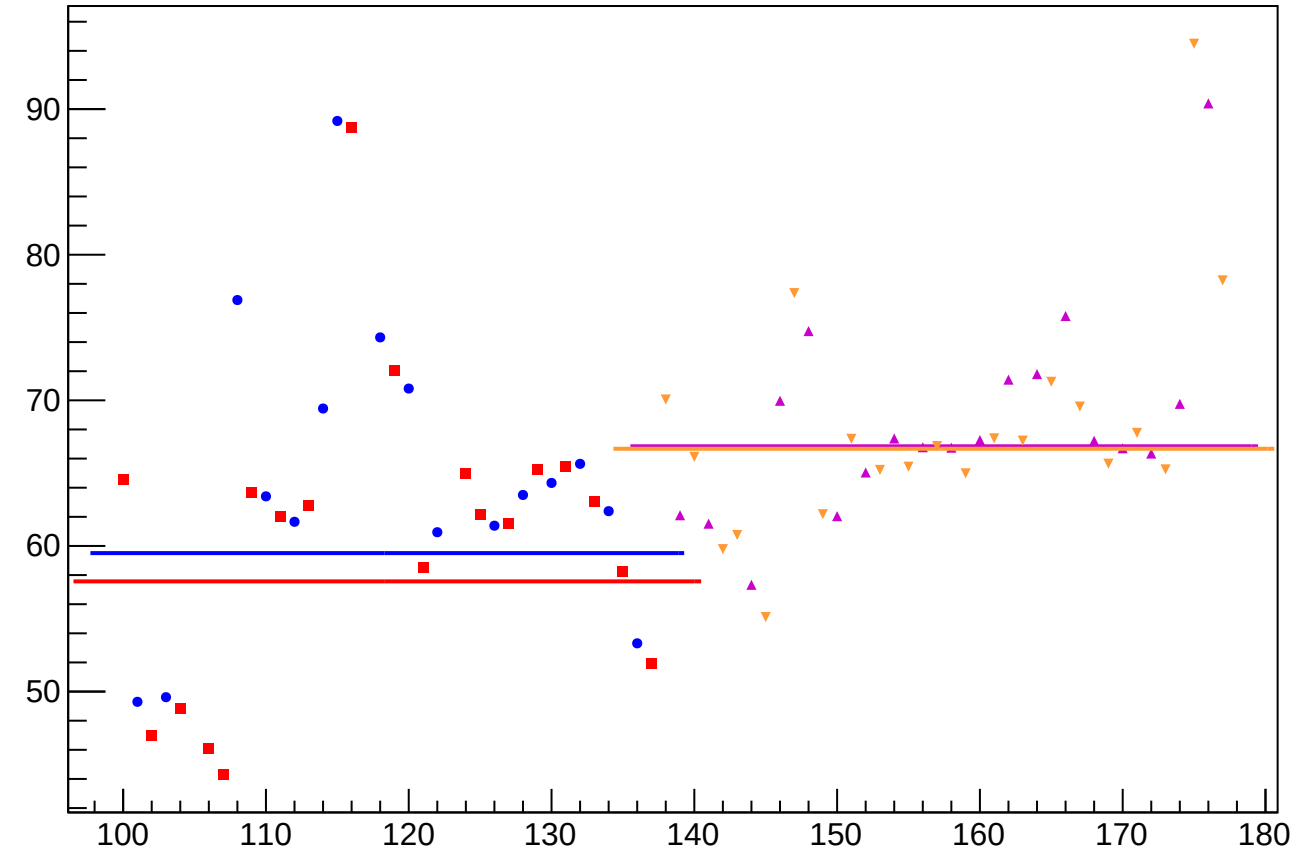
Left: 19.909+/-11.856 χ^2/NDF: 40.7/39

Right: 60.541+/-15.578 χ^2/NDF: 40.5/34

In: 34.727+/-13.612 χ^2/NDF:33.2/34

Out: 34.890+/-13.088 χ^2/NDF:52.4/39

All: 34.811+/-9.434 χ^2/NDF: 85.6/74



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 66.675+/-0.012 χ^2/NDF:329187.4/20

Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 66.842+/-0.012 χ^2/NDF:224228.1/18

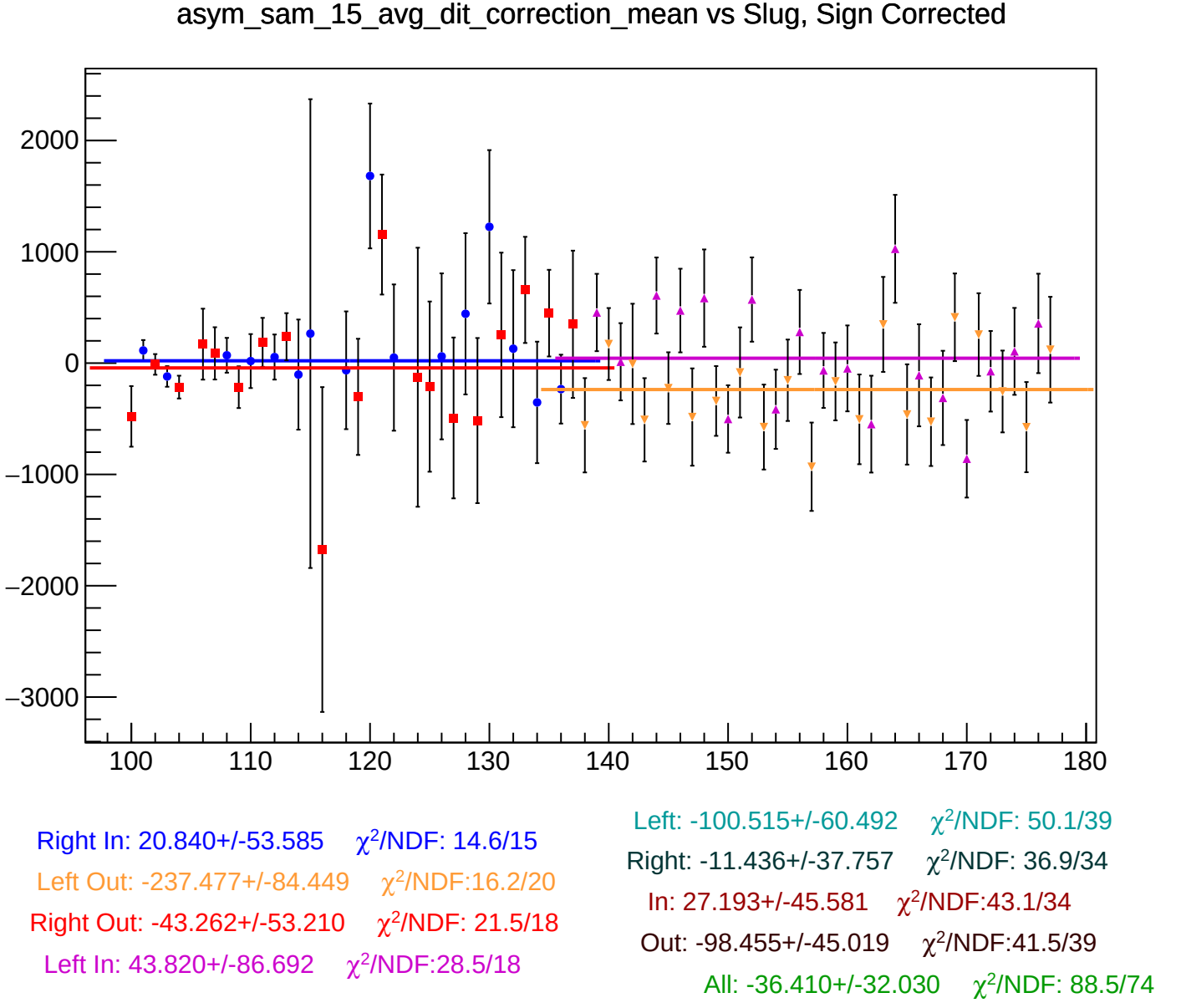
Left: 66.756+/-0.008 χ^2/NDF: 553514.2/39

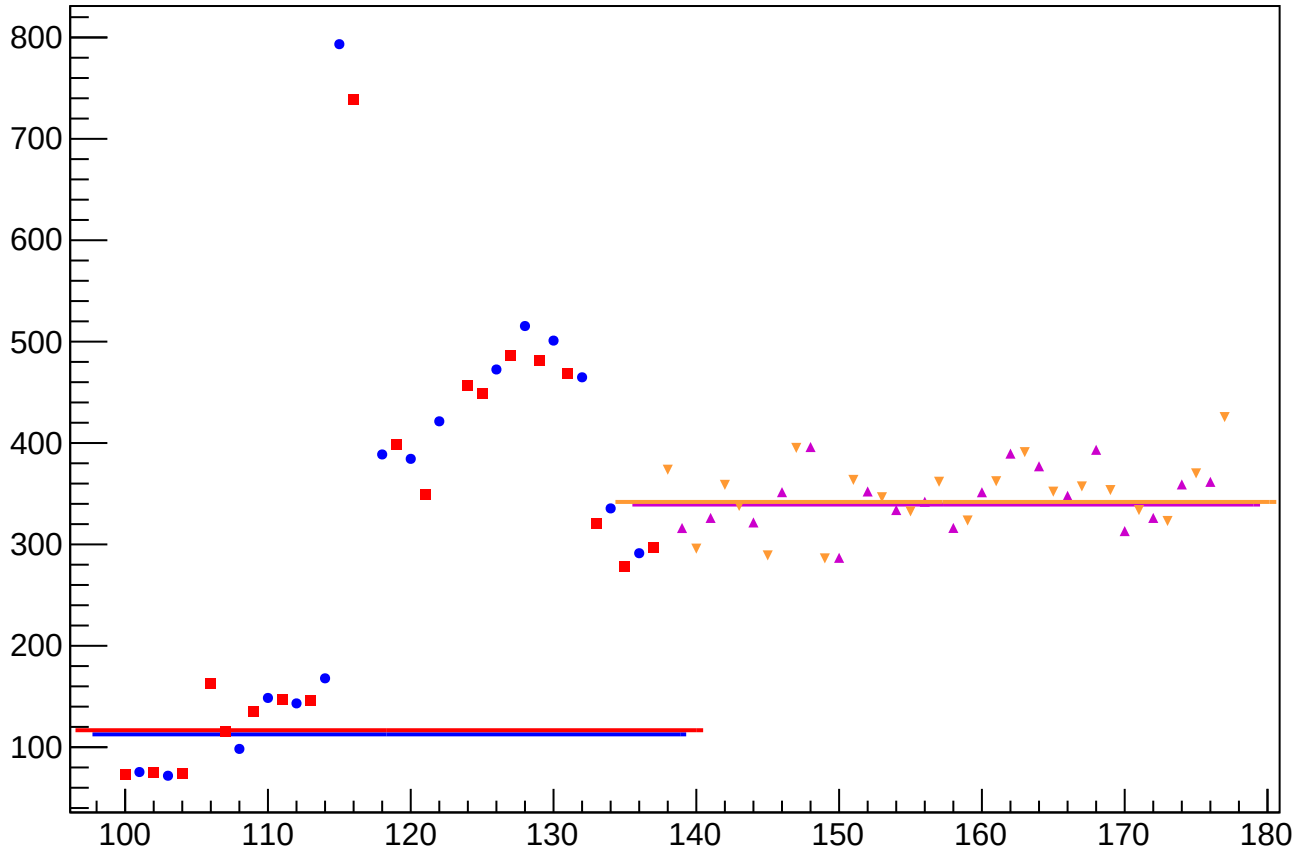
Right: 58.497+/-0.011 χ^2/NDF: 638326.1/34

In: 64.162+/-0.010 χ^2/NDF:642046.2/34

Out: 63.324+/-0.009 χ^2/NDF:901850.3/39

All: 63.727+/-0.007 χ^2/NDF: 1547828.8/74


asym_sam_15_avg_dit_correction_mean vs Slug, Sign Corrected
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
180
Right In: 20.840+/-53.585 χ²/NDF: 14.6/15
Left Out: -237.477+/-84.449 χ²/NDF:16.2/20
Right Out: -43.262+/-53.210 χ²/NDF: 21.5/18
Left In: 43.820+/-86.692 χ²/NDF:28.5/18
Left: -100.515+/-60.492 χ²/NDF: 50.1/39
Right: -11.436+/-37.757 χ²/NDF: 36.9/34
In: 27.193+/-45.581 χ²/NDF:43.1/34
Out: -98.455+/-45.019 χ²/NDF:41.5/39
All: -36.410+/-32.030 χ²/NDF: 88.5/74



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 341.895+/-0.060 χ^2/NDF:333635.5/20

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

Left In: 339.315+/-0.061 χ^2/NDF:223315.9/18

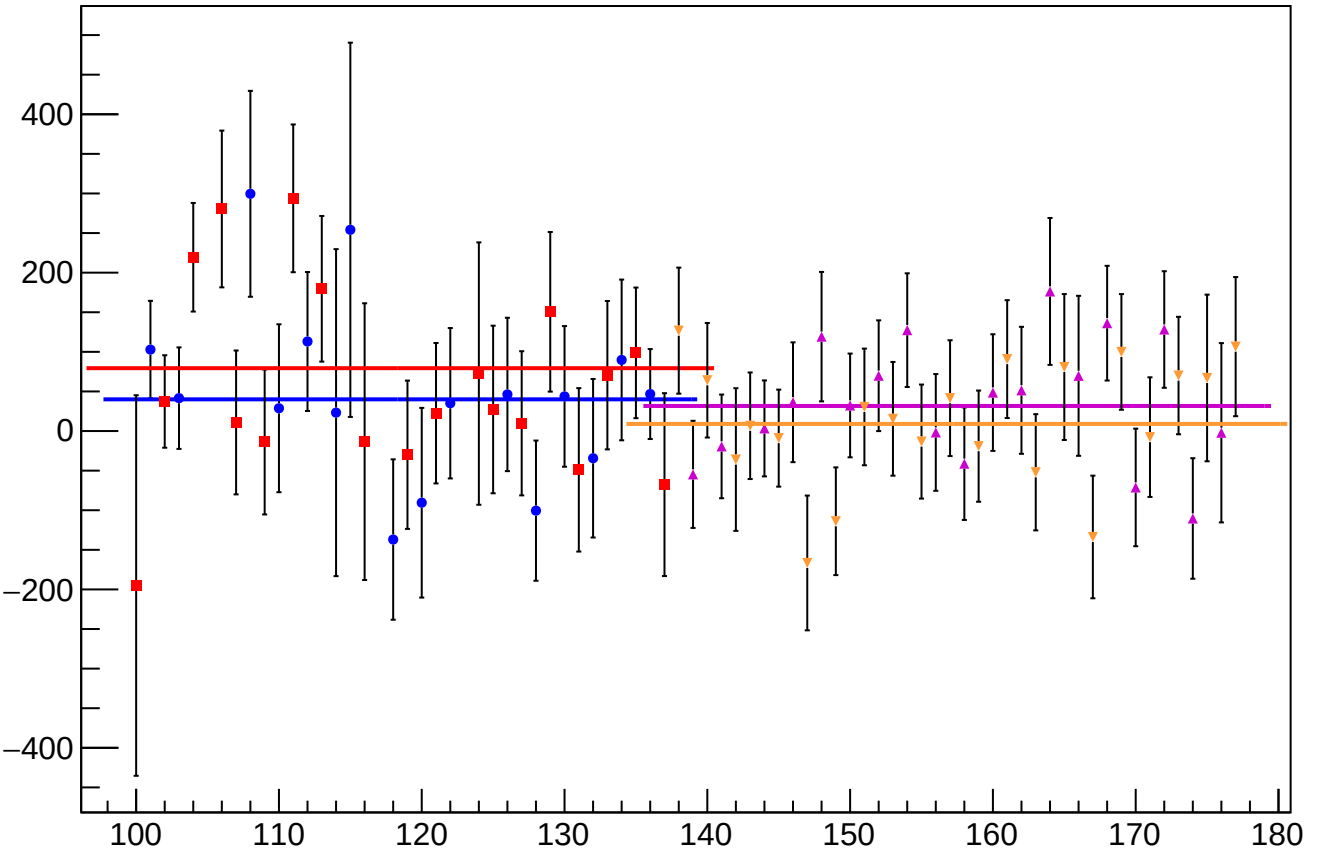
Left: 340.639+/-0.043 χ^2/NDF: 557860.1/39

Right: 114.715+/-0.027 χ^2/NDF: 10746836.7/34

In: 175.323+/-0.032 χ^2/NDF:15714036.8/34

Out: 180.720+/-0.032 χ^2/NDF:15652292.1/39

All: 178.055+/-0.023 χ^2/NDF: 31380526.5/74



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 8.996+/-16.462 χ^2/NDF:20.9/20

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 31.671+/-17.089 χ^2/NDF:18.9/18

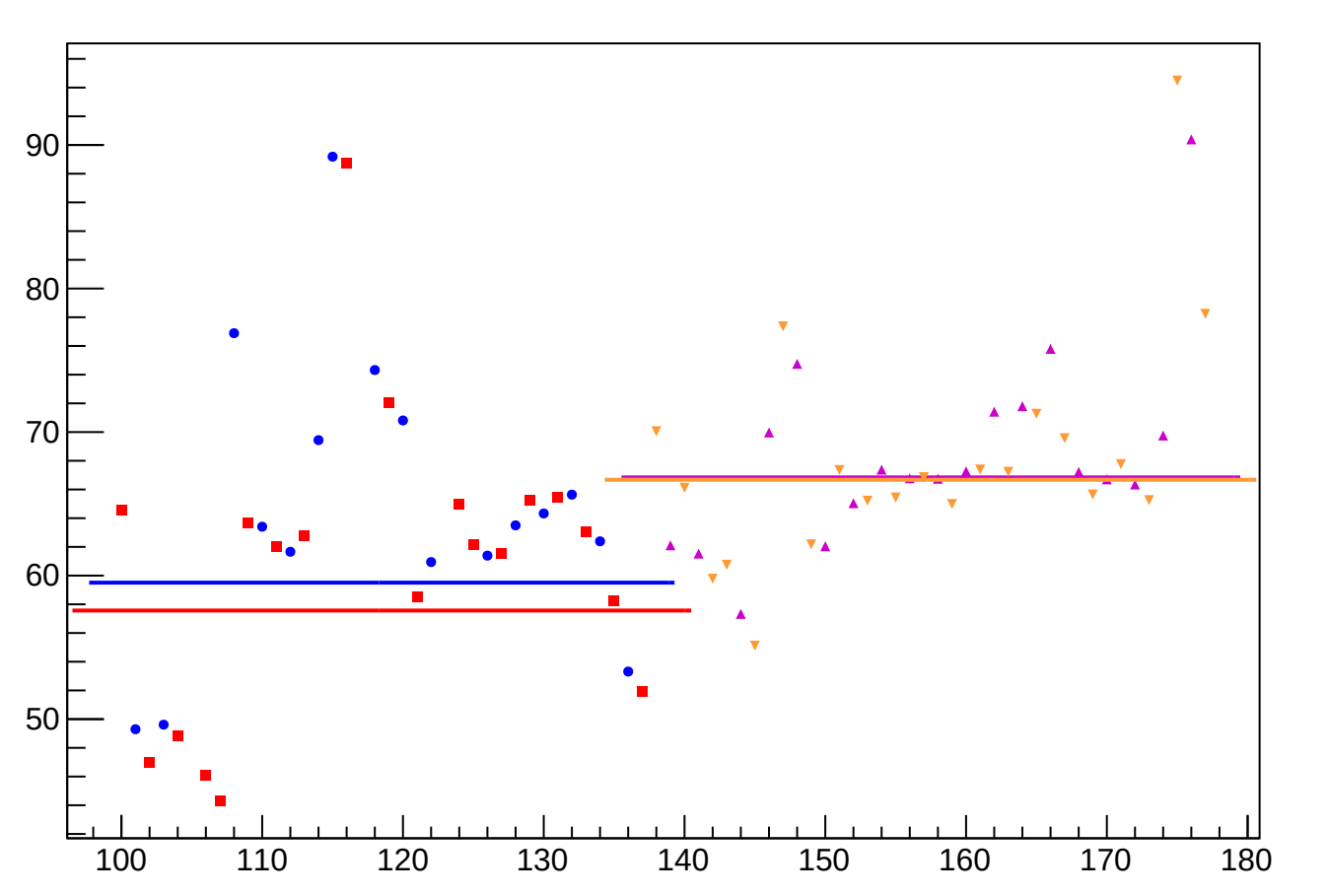
Left: 19.910+/-11.856 χ^2/NDF: 40.7/39

Right: 60.540+/-15.578 χ^2/NDF: 40.5/34

In: 34.727+/-13.612 χ^2/NDF:33.2/34

Out: 34.890+/-13.088 χ^2/NDF:52.4/39

All: 34.812+/-9.434 χ^2/NDF: 85.6/74



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 66.676+/-0.012 χ^2/NDF:329182.0/20

Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 66.842+/-0.012 χ^2/NDF:224218.2/18

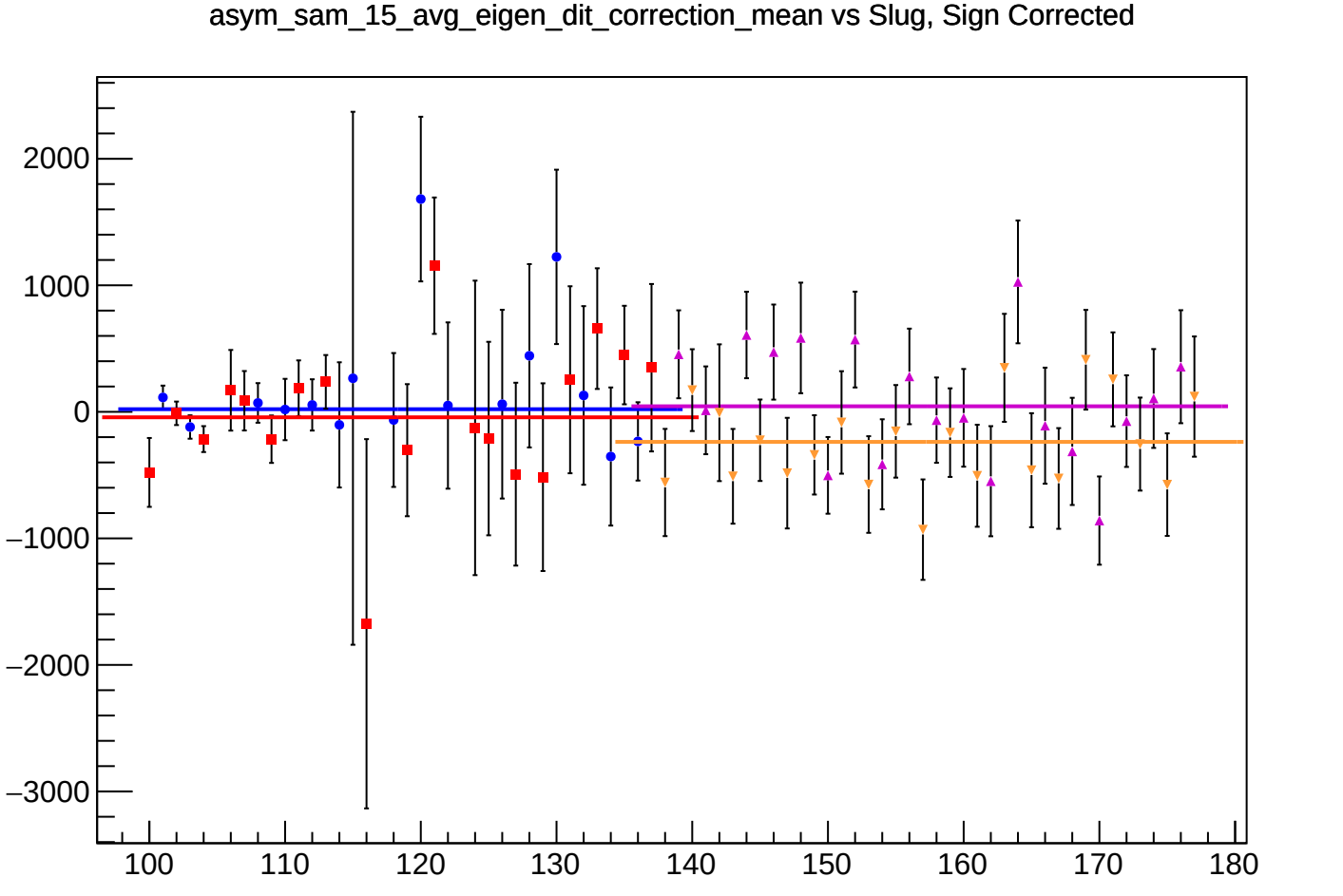
Left: 66.756+/-0.008 χ^2/NDF: 553499.0/39

Right: 58.496+/-0.011 χ^2/NDF: 638320.1/34

In: 64.162+/-0.010 χ^2/NDF:642043.0/34

Out: 63.324+/-0.009 χ^2/NDF:901849.4/39

All: 63.727+/-0.007 χ^2/NDF: 1547825.1/74



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -237.477+/-84.449 χ^2/NDF:16.2/20

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 43.820+/-86.692 χ^2/NDF:28.5/18

Left: -100.515+/-60.492 χ^2/NDF: 50.1/39

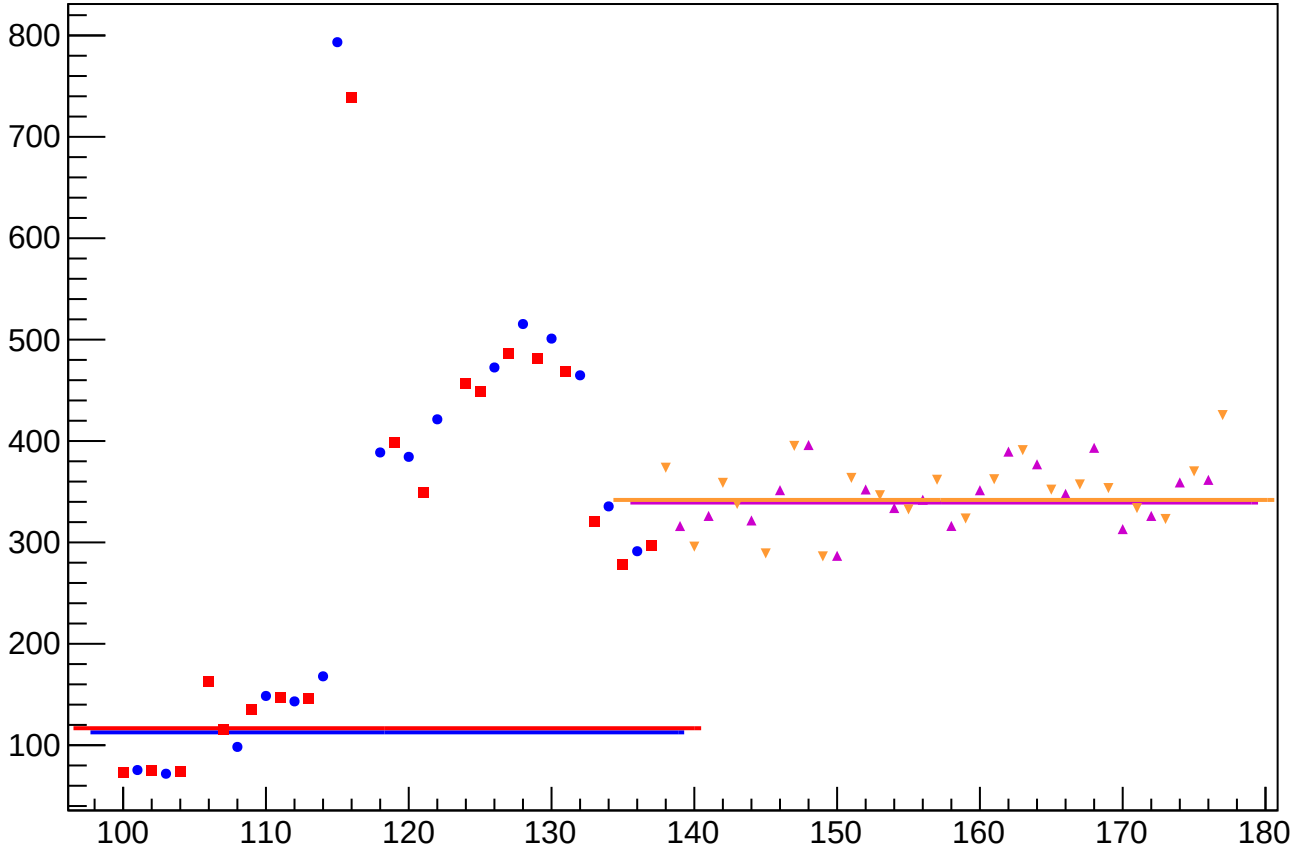
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 27.192+/-45.581 χ^2/NDF:43.1/34

Out: -98.455+/-45.019 χ^2/NDF:41.5/39

All: -36.410+/-32.030 χ^2/NDF: 88.5/74

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: 341.895+/-0.060 χ^2/NDF:333628.4/20

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

Left In: 339.316+/-0.061 χ^2/NDF:223309.7/18

Left: 340.639+/-0.043 χ^2/NDF: 557846.8/39

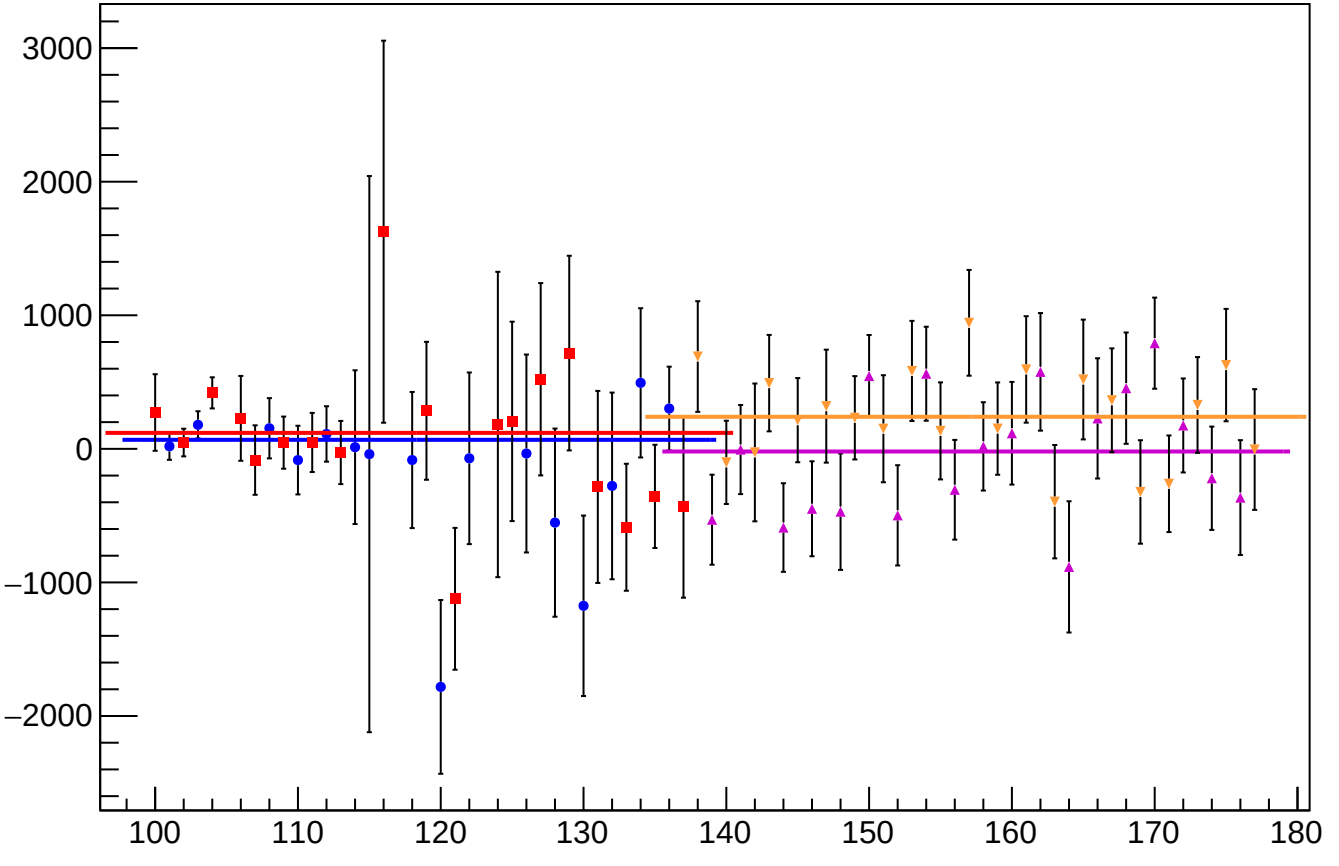
Right: 114.714+/-0.027 χ^2/NDF: 10746837.6/34

In: 175.322+/-0.032 χ^2/NDF:15714089.1/34

Out: 180.720+/-0.032 χ^2/NDF:15652365.8/39

All: 178.055+/-0.023 χ^2/NDF: 31380651.7/74

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 240.017+/-82.969 χ^2/NDF:16.1/20

Right Out: 119.635+/-57.941 χ^2/NDF: 21.1/18

Left In: -19.868+/-85.214 χ^2/NDF:29.6/18

Left: 113.543+/-59.446 χ^2/NDF: 50.5/39

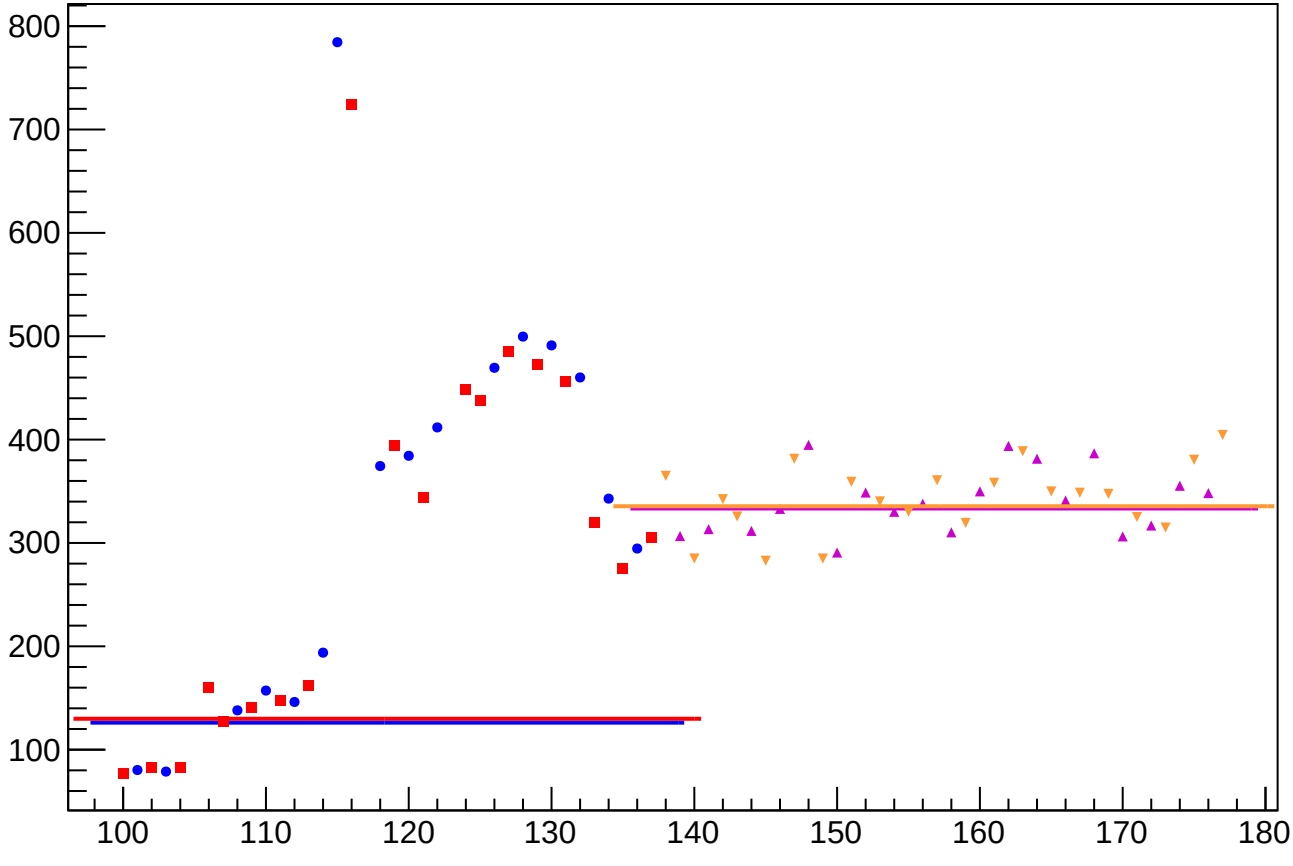
Right: 94.173+/-41.398 χ^2/NDF: 37.3/34

In: 39.161+/-48.602 χ^2/NDF:46.1/34

Out: 159.098+/-47.504 χ^2/NDF:38.7/39

All: 100.499+/-33.972 χ^2/NDF: 87.9/74

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 335.515+/-0.059 χ^2/NDF:338601.9/20

Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

Left In: 333.326+/-0.060 χ^2/NDF:240219.8/18

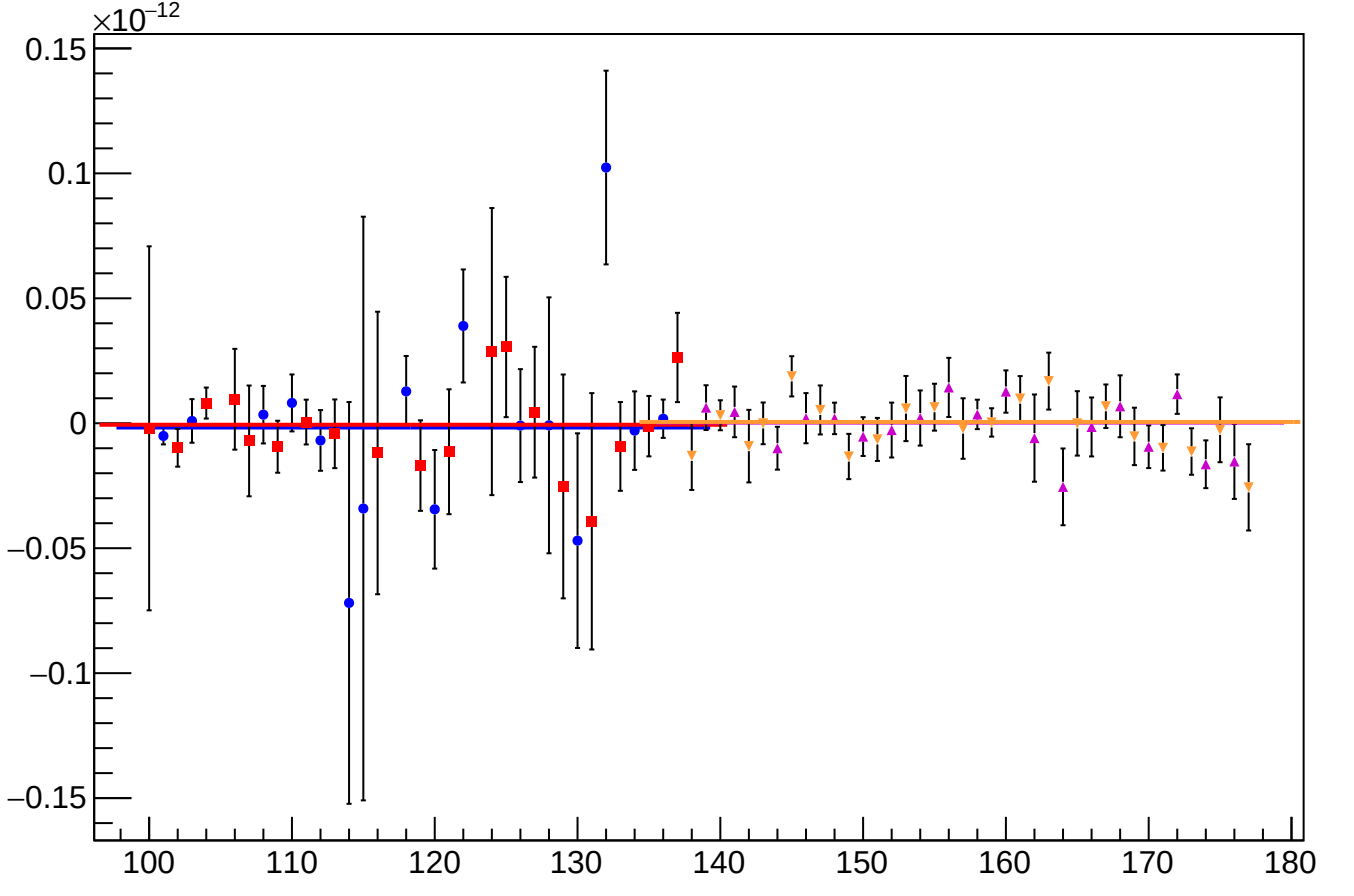
Left: 334.449+/-0.042 χ^2/NDF: 579499.1/39

Right: 128.074+/-0.029 χ^2/NDF: 9871930.1/34

In: 193.546+/-0.034 χ^2/NDF:13436279.1/34

Out: 197.314+/-0.034 χ^2/NDF:13241578.5/39

All: 195.473+/-0.024 χ^2/NDF: 26684004.9/74



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/20

Right Out: -0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: 0.000+/-0.000 χ^2/NDF:17.4/18

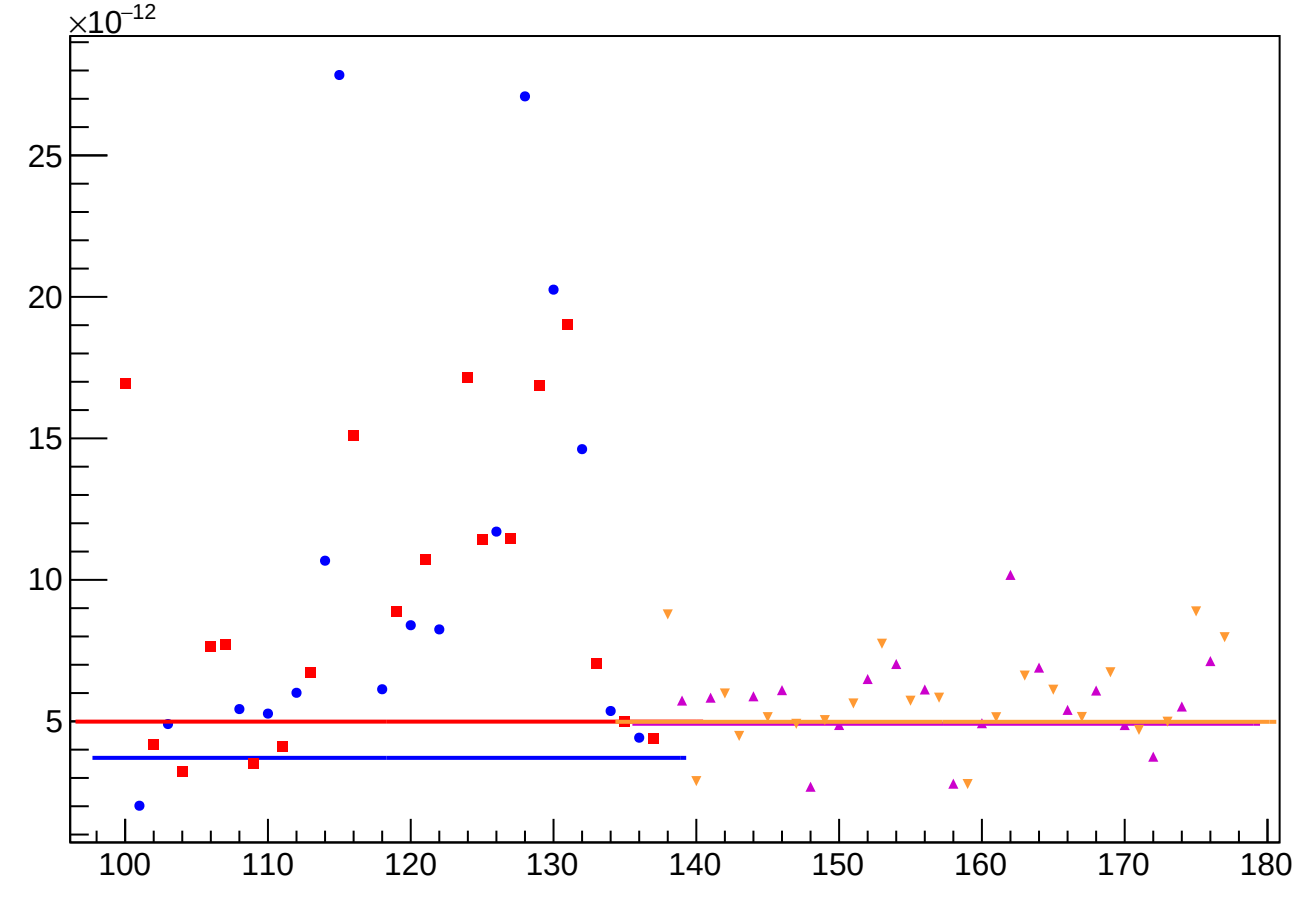
Left: 0.000+/-0.000 χ^2/NDF: 37.2/39

Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:35.5/34

Out: 0.000+/-0.000 χ^2/NDF:30.4/39

All: -0.000+/-0.000 χ^2/NDF: 66.0/74



Right In: 0.000+/-0.000 χ^2/NDF: 2172466.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1187180.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1295374.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1062341.8/18

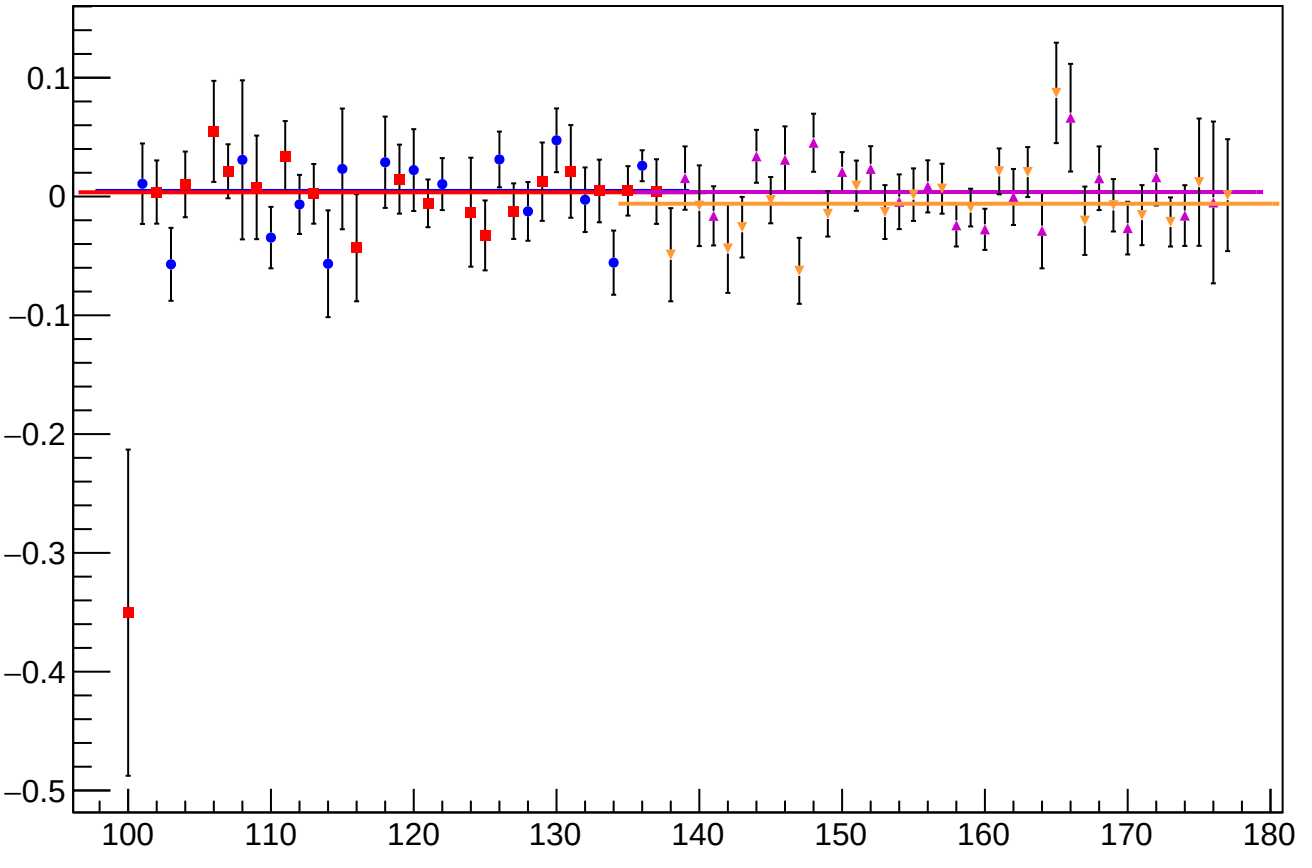
Left: 0.000+/-0.000 χ^2/NDF: 2250616.0/39

Right: 0.000+/-0.000 χ^2/NDF: 3664320.8/34

In: 0.000+/-0.000 χ^2/NDF:3500079.6/34

Out: 0.000+/-0.000 χ^2/NDF:2482562.0/39

All: 0.000+/-0.000 χ^2/NDF: 6098341.9/74



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:17.9/20

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.004+/-0.005 χ^2/NDF:20.4/18

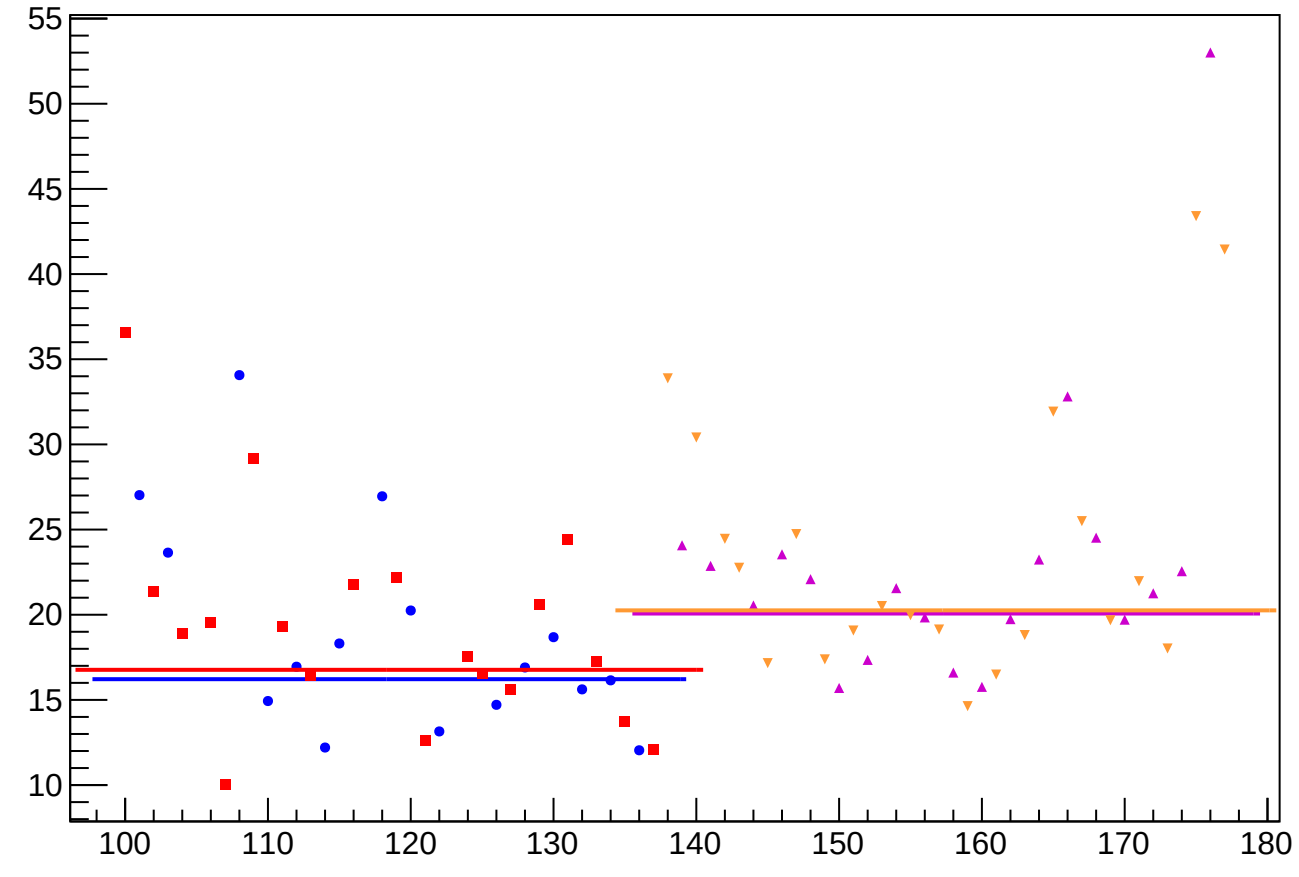
Left: -0.001+/-0.004 χ^2/NDF: 40.0/39

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.004 χ^2/NDF:41.9/34

Out: -0.002+/-0.004 χ^2/NDF:32.8/39

All: 0.001+/-0.003 χ^2/NDF: 75.9/74



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 20.257+/-0.004 χ^2/NDF:1991345.8/20

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 20.071+/-0.004 χ^2/NDF:1227850.6/18

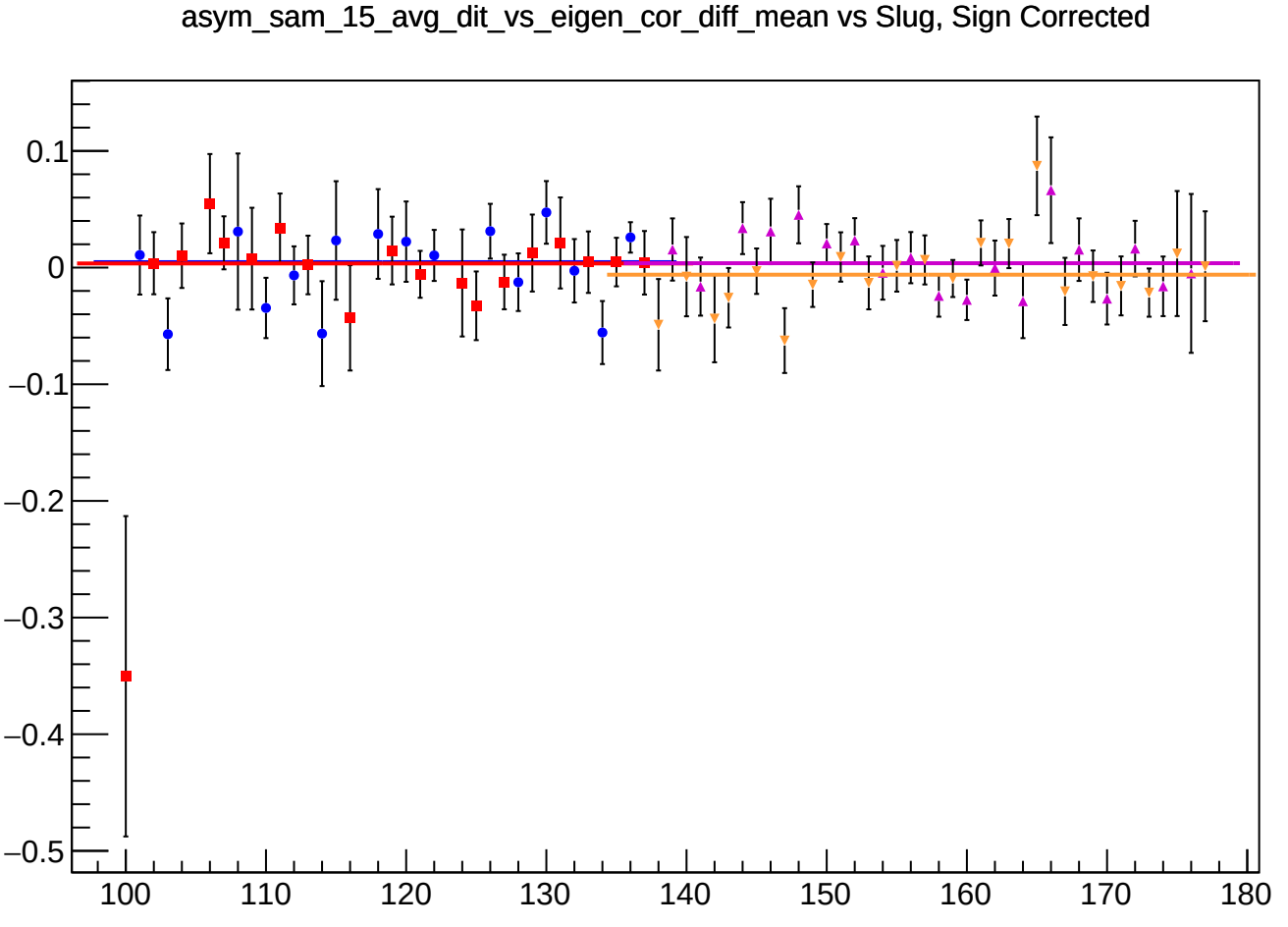
Left: 20.166+/-0.003 χ^2/NDF: 3220422.3/39

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 18.534+/-0.003 χ^2/NDF:2586223.6/34

Out: 18.912+/-0.003 χ^2/NDF:3199231.8/39

All: 18.725+/-0.002 χ^2/NDF: 5793844.3/74



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:17.9/20

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.004+/-0.005 χ^2/NDF:20.4/18

Left: -0.001+/-0.004 χ^2/NDF: 40.0/39

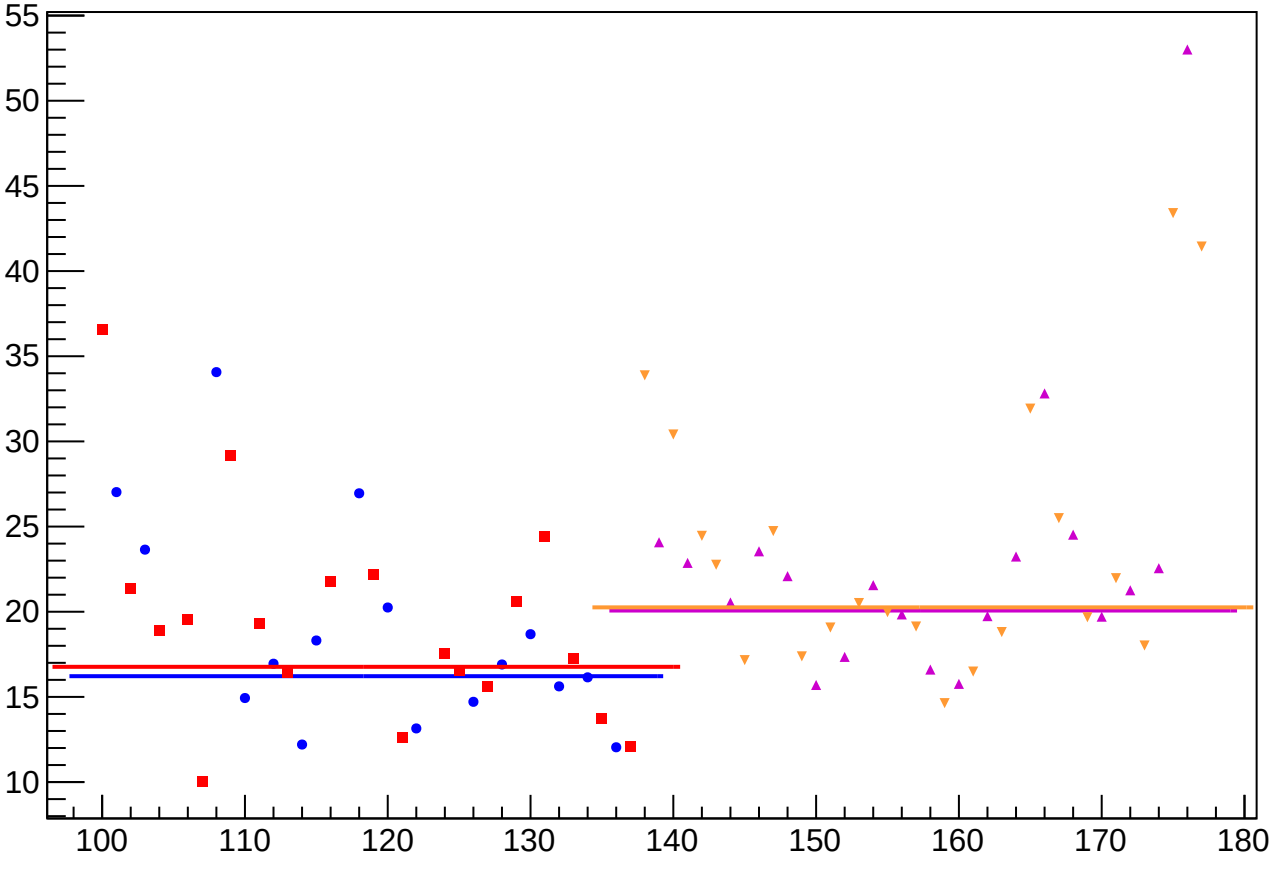
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.004 χ^2/NDF:41.9/34

Out: -0.002+/-0.004 χ^2/NDF:32.8/39

All: 0.001+/-0.003 χ^2/NDF: 75.9/74

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 20.257+/-0.004 χ^2/NDF:1991345.8/20

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 20.071+/-0.004 χ^2/NDF:1227850.6/18

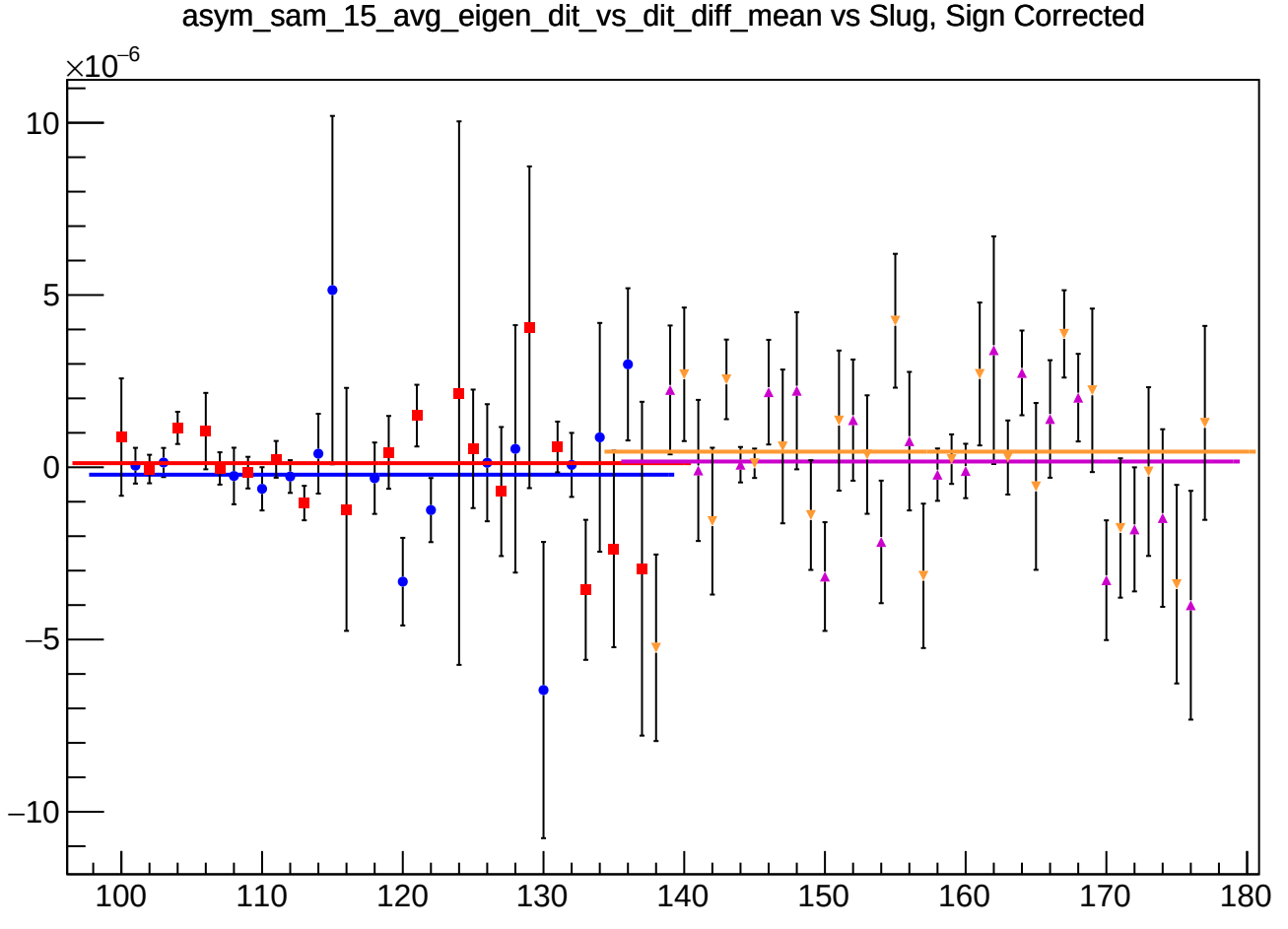
Left: 20.166+/-0.003 χ^2/NDF: 3220422.3/39

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 18.534+/-0.003 χ^2/NDF:2586223.6/34

Out: 18.912+/-0.003 χ^2/NDF:3199231.8/39

All: 18.725+/-0.002 χ^2/NDF: 5793844.3/74



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:26.1/18

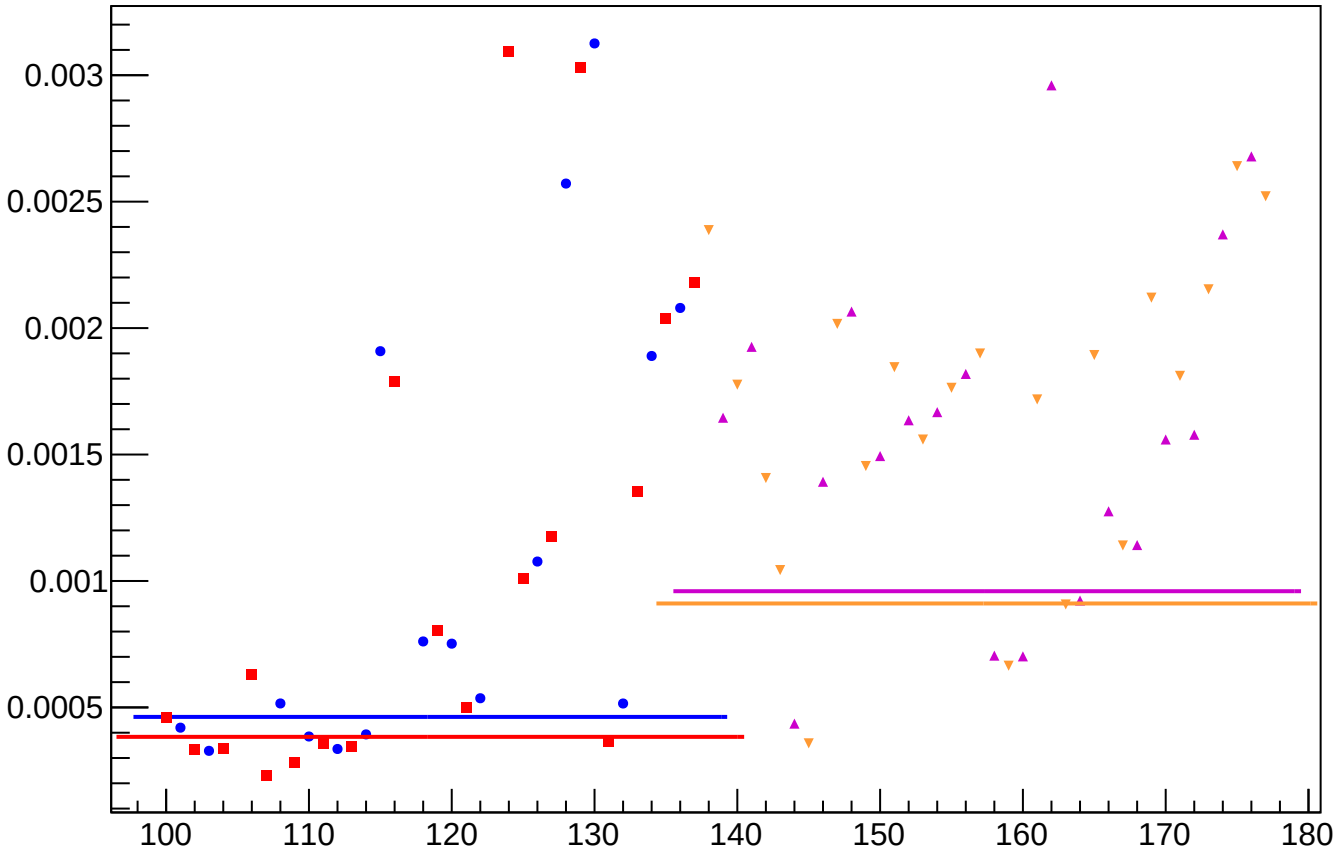
Left: 0.000+/-0.000 χ^2/NDF: 57.9/39

Right: -0.000+/-0.000 χ^2/NDF: 36.2/34

In: -0.000+/-0.000 χ^2/NDF:41.7/34

Out: 0.000+/-0.000 χ^2/NDF:52.6/39

All: 0.000+/-0.000 χ^2/NDF: 96.1/74



Right In: 0.000+/-0.000 χ^2/NDF: 4015939.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:10492384.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 4058129.5/18

Left In: 0.001+/-0.000 χ^2/NDF:7519151.2/18

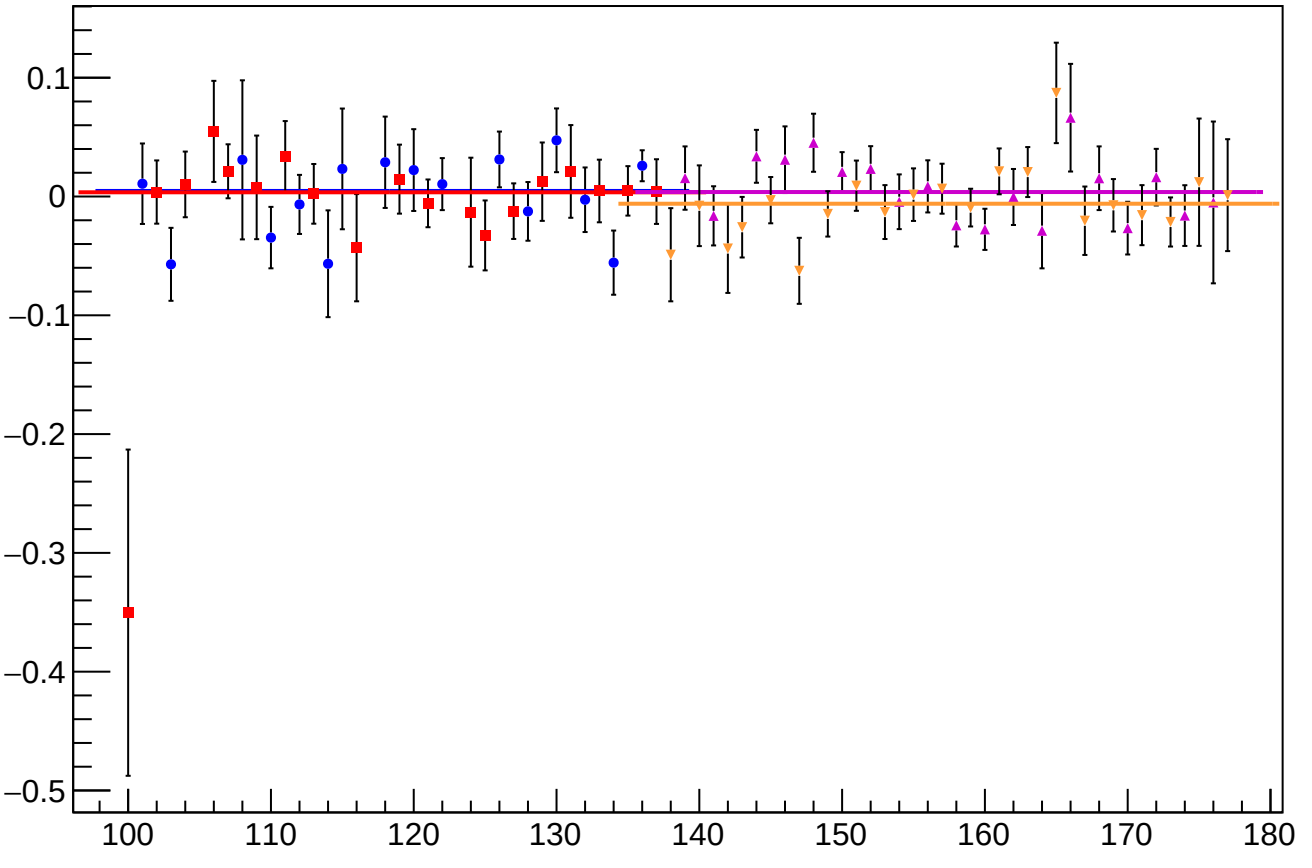
Left: 0.001+/-0.000 χ^2/NDF: 18041310.1/39

Right: 0.000+/-0.000 χ^2/NDF: 8244700.4/34

In: 0.001+/-0.000 χ^2/NDF:15474879.2/34

Out: 0.001+/-0.000 χ^2/NDF:19820782.9/39

All: 0.001+/-0.000 χ^2/NDF: 35704428.9/74



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:17.9/20

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.004+/-0.005 χ^2/NDF:20.4/18

Left: -0.001+/-0.004 χ^2/NDF: 40.0/39

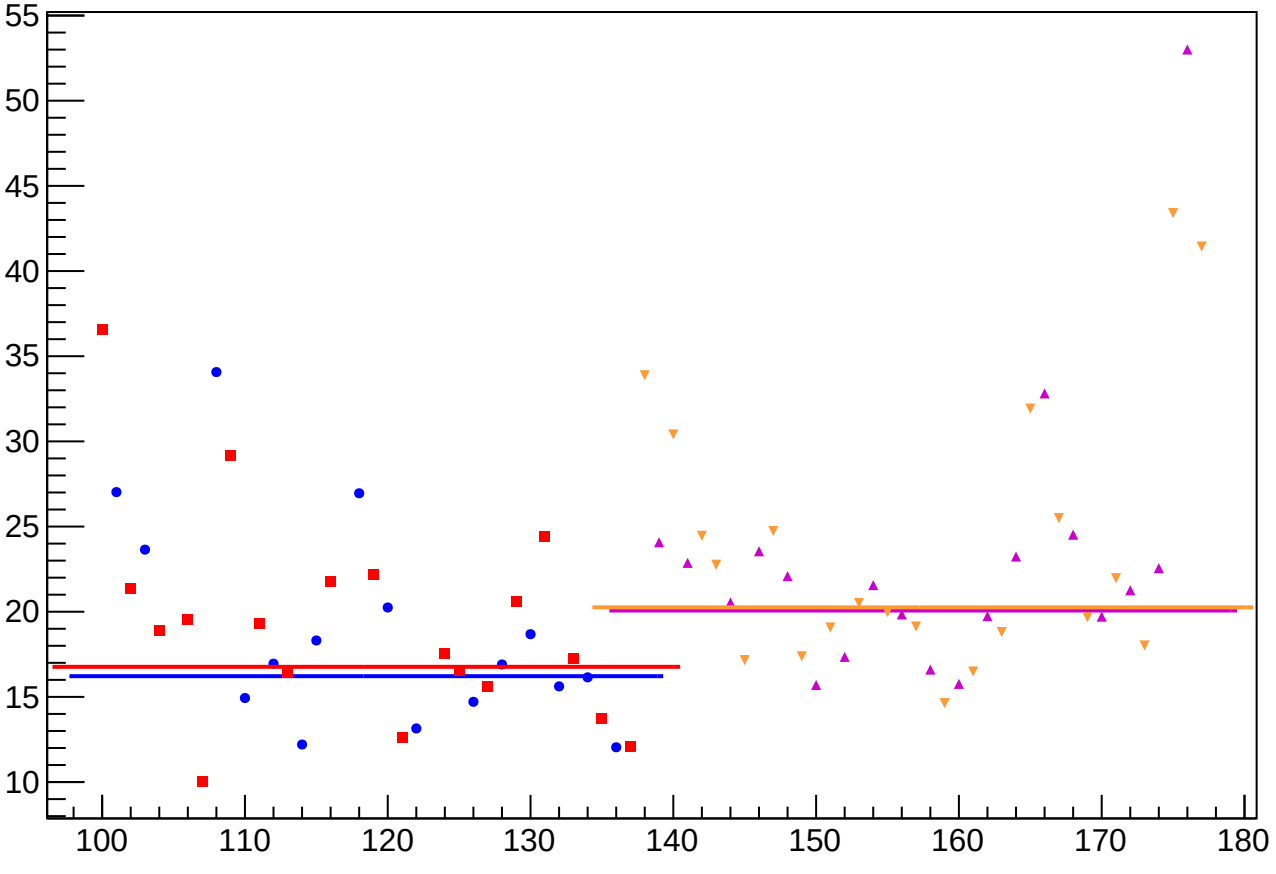
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.004 χ^2/NDF:41.9/34

Out: -0.002+/-0.004 χ^2/NDF:32.8/39

All: 0.001+/-0.003 χ^2/NDF: 75.9/74

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 20.257+/-0.004 χ^2/NDF:1991367.5/20

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 20.071+/-0.004 χ^2/NDF:1227951.2/18

Left: 20.166+/-0.003 χ^2/NDF: 3220545.5/39

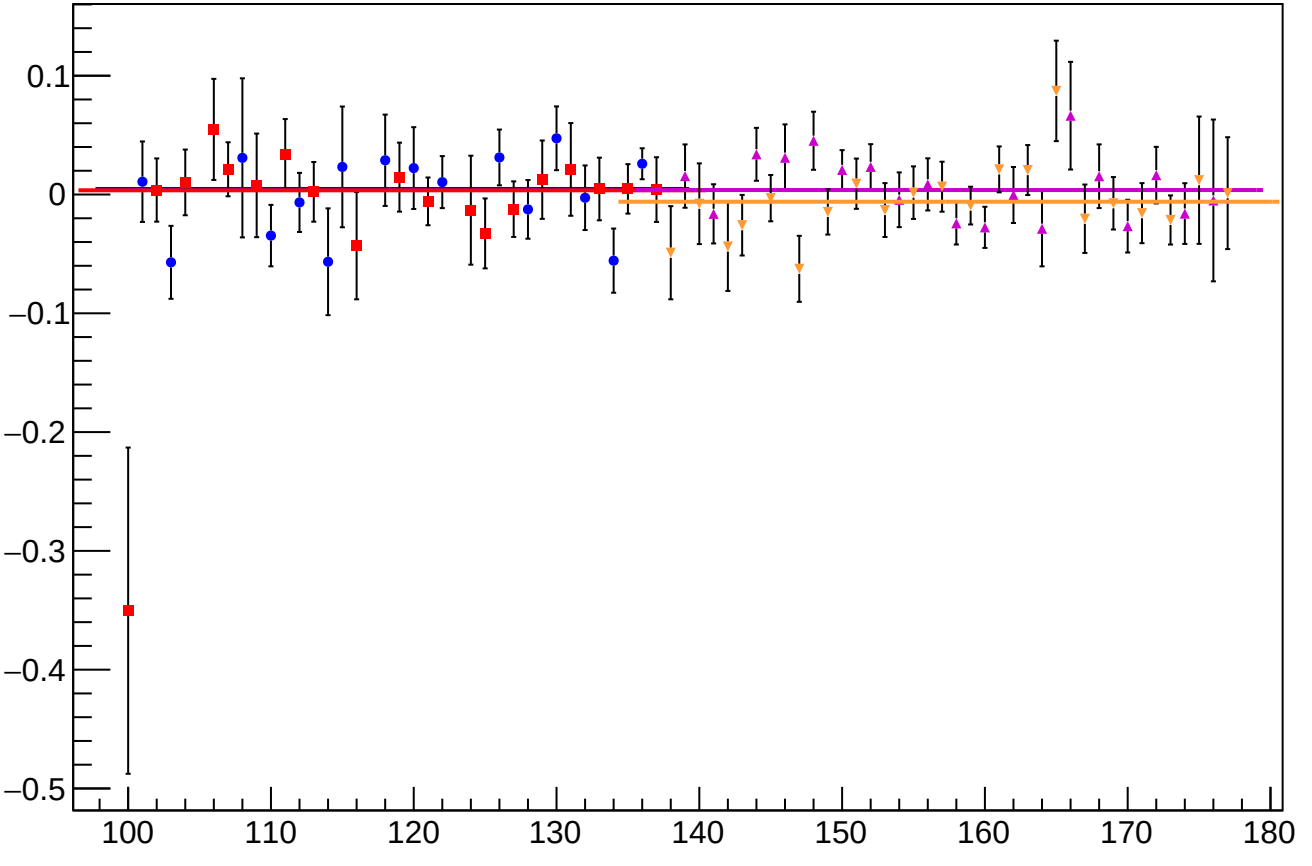
Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 18.534+/-0.003 χ^2/NDF:2586346.4/34

Out: 18.912+/-0.003 χ^2/NDF:3199313.7/39

All: 18.725+/-0.002 χ^2/NDF: 5794050.4/74

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:17.9/20

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.004+/-0.005 χ^2/NDF:20.4/18

Left: -0.001+/-0.004 χ^2/NDF: 40.0/39

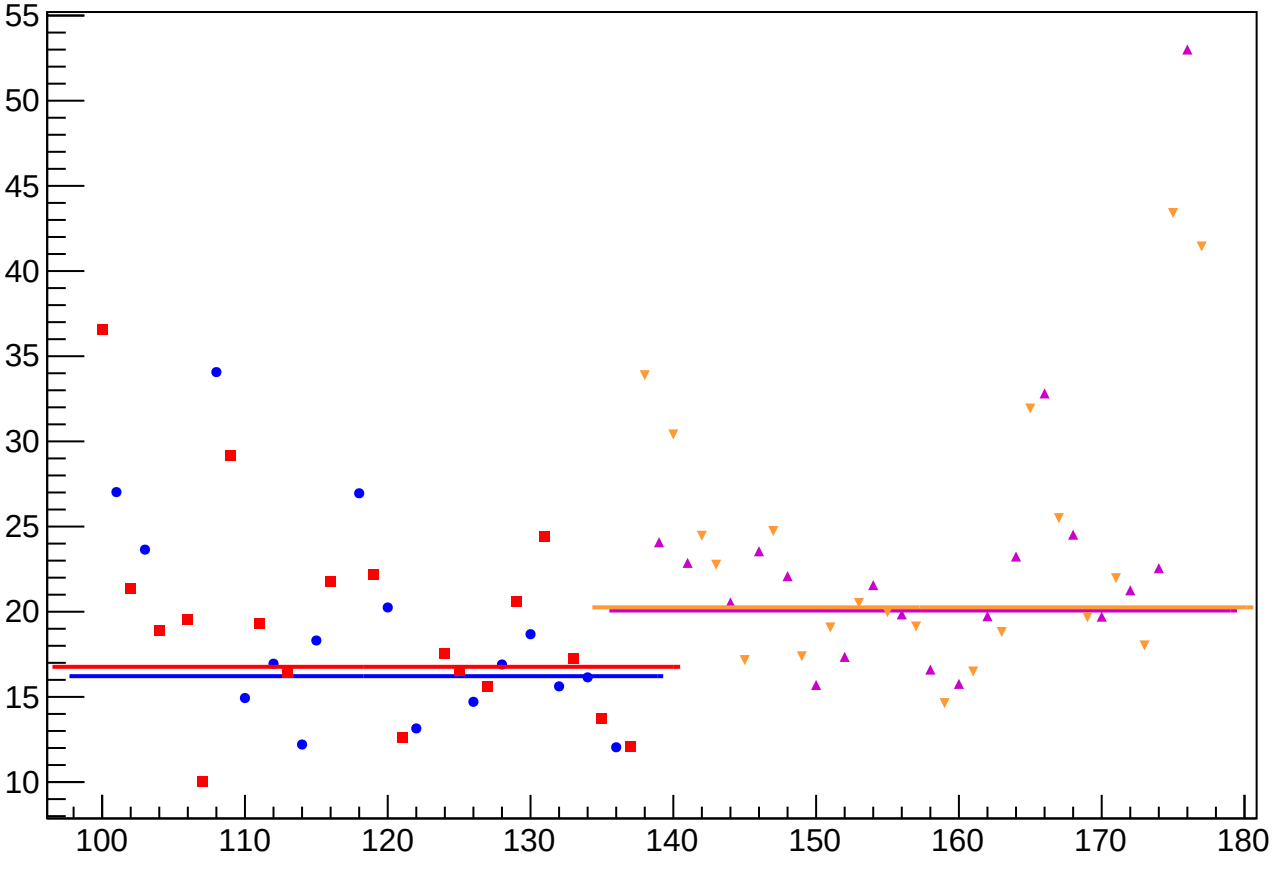
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.004 χ^2/NDF:41.9/34

Out: -0.002+/-0.004 χ^2/NDF:32.8/39

All: 0.001+/-0.003 χ^2/NDF: 75.9/74

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 20.257+/-0.004 χ^2/NDF:1991367.5/20

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 20.071+/-0.004 χ^2/NDF:1227951.2/18

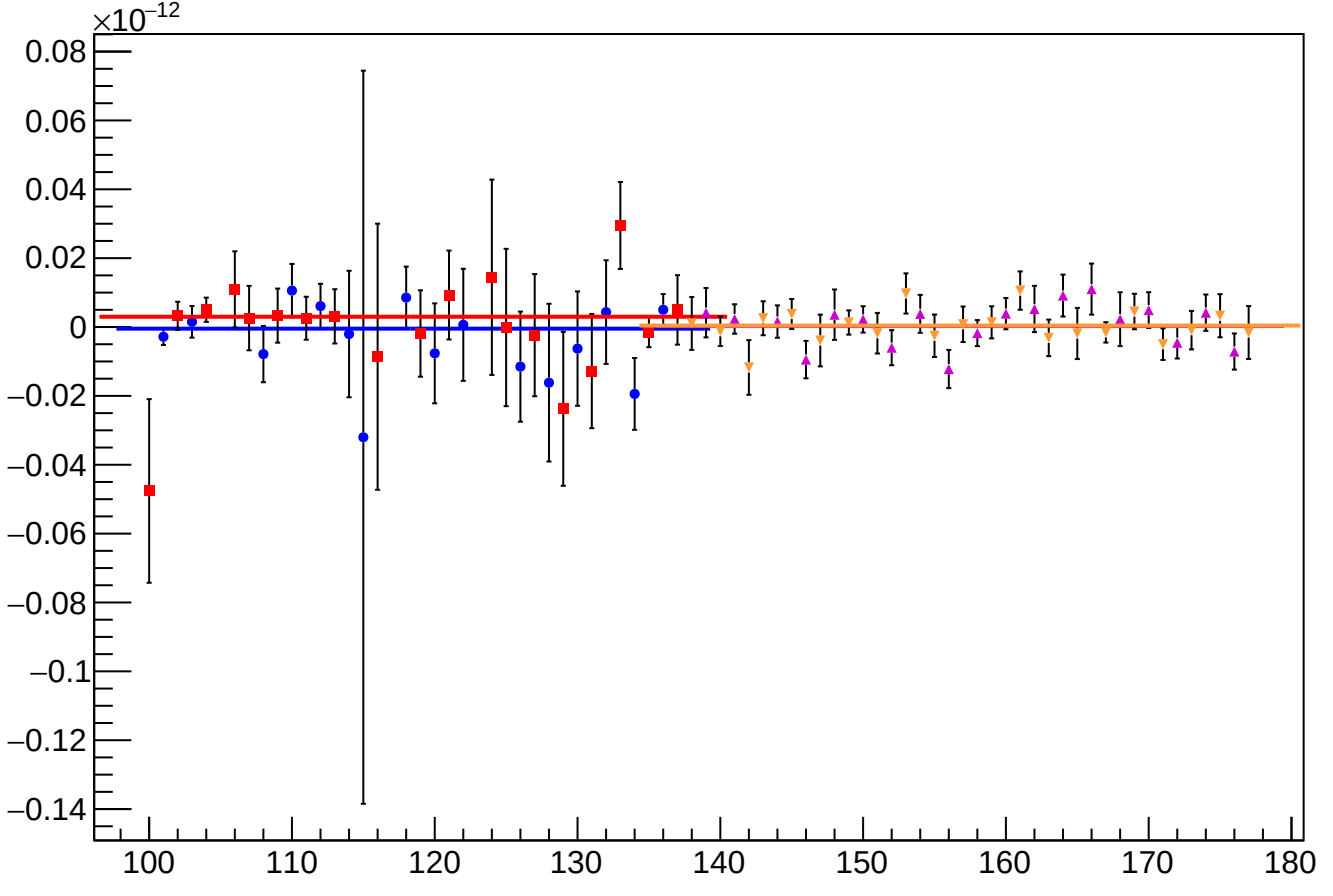
Left: 20.166+/-0.003 χ^2/NDF: 3220545.5/39

Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 18.534+/-0.003 χ^2/NDF:2586346.4/34

Out: 18.912+/-0.003 χ^2/NDF:3199313.7/39

All: 18.725+/-0.002 χ^2/NDF: 5794050.4/74



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:21.4/18

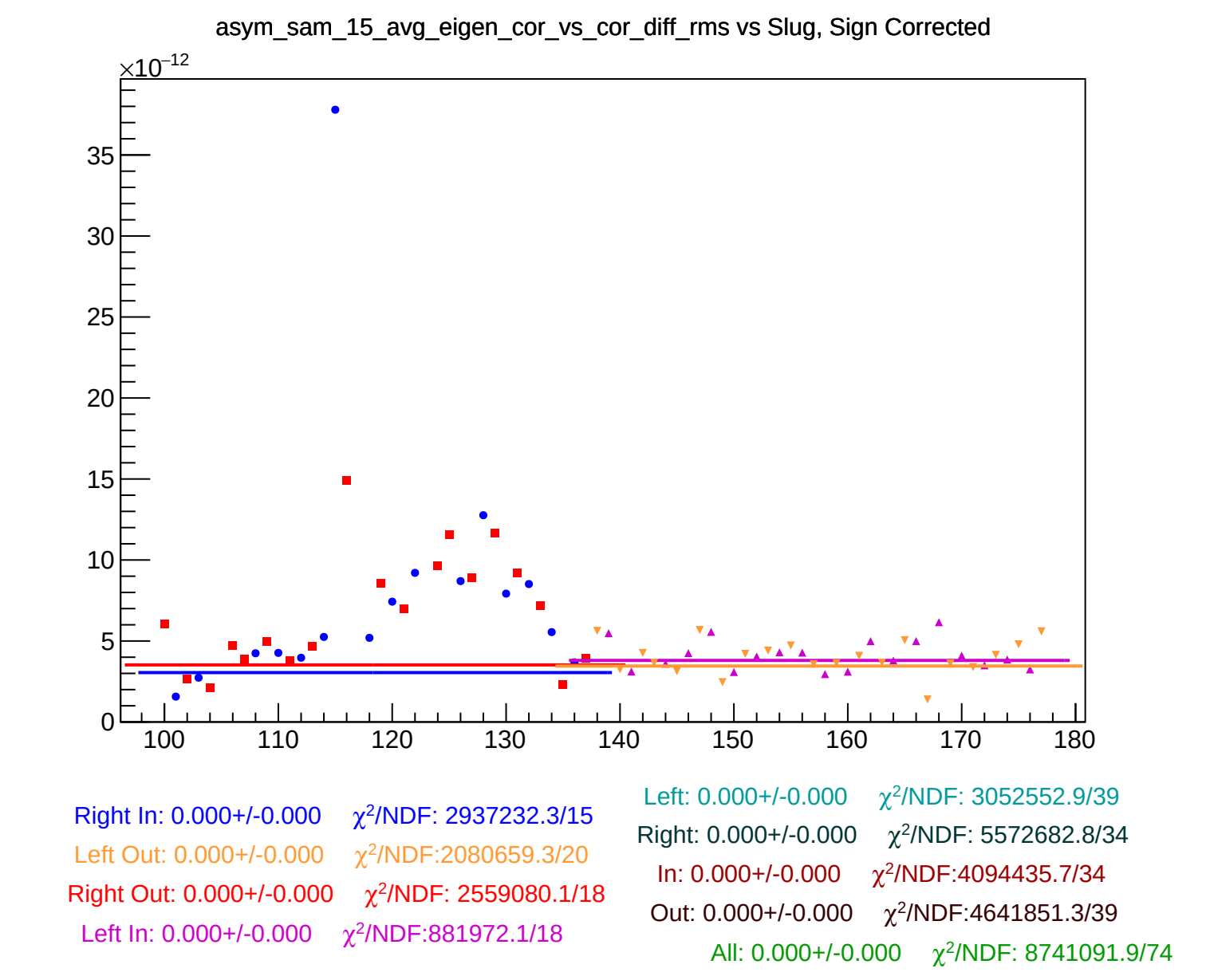
Left: 0.000+/-0.000 χ^2/NDF: 34.8/39

Right: 0.000+/-0.000 χ^2/NDF: 27.4/34

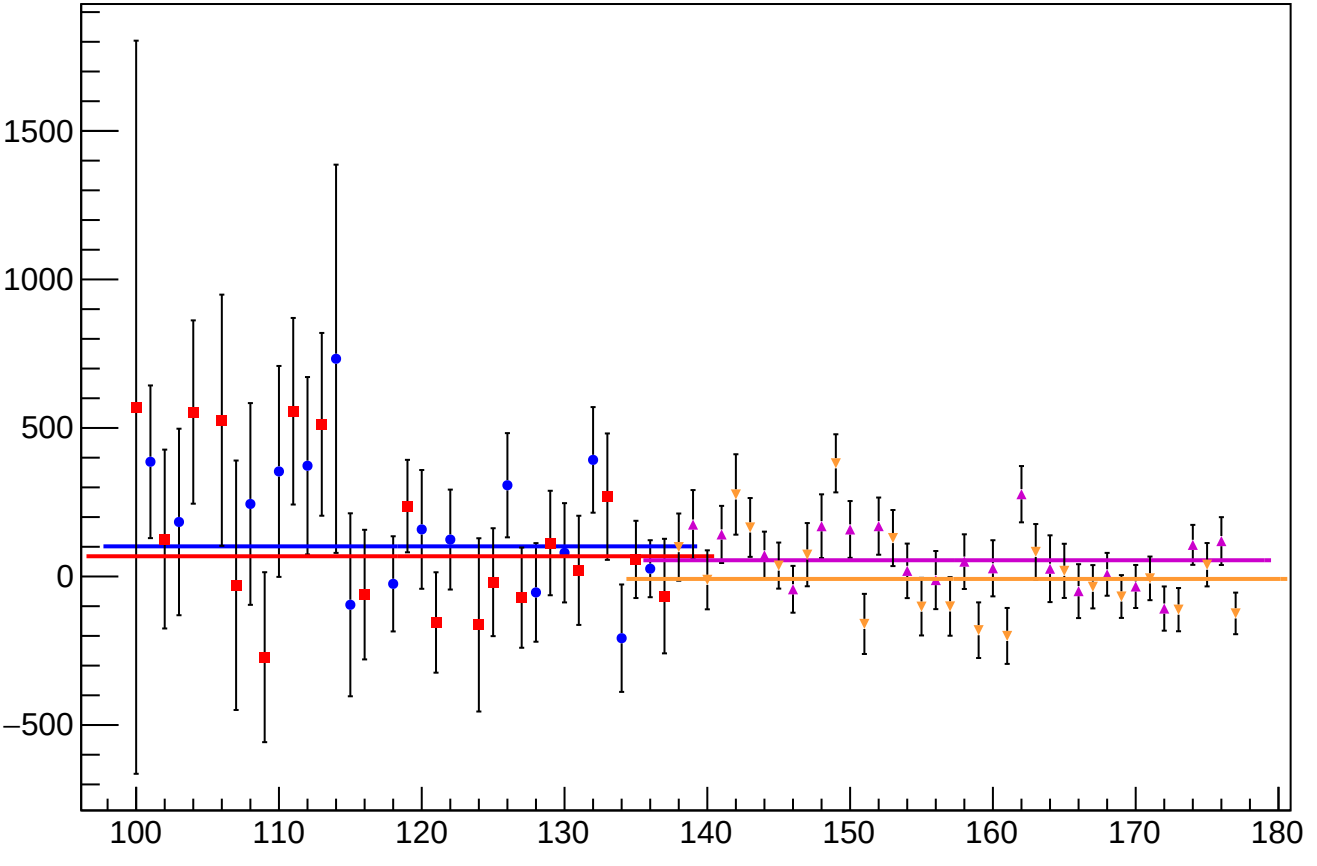
In: 0.000+/-0.000 χ^2/NDF:33.9/34

Out: 0.000+/-0.000 χ^2/NDF:27.8/39

All: 0.000+/-0.000 χ^2/NDF: 62.4/74


asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2937232.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2080659.3/20
Right Out: 0.000+/-0.000 χ²/NDF: 2559080.1/18
Left In: 0.000+/-0.000 χ²/NDF:881972.1/18
Left: 0.000+/-0.000 χ²/NDF: 3052552.9/39
Right: 0.000+/-0.000 χ²/NDF: 5572682.8/34
In: 0.000+/-0.000 χ²/NDF:4094435.7/34
Out: 0.000+/-0.000 χ²/NDF:4641851.3/39
All: 0.000+/-0.000 χ²/NDF: 8741091.9/74

reg_asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: -8.234+/-19.168 χ^2/NDF:45.9/20

Right Out: 68.108+/-49.327 χ^2/NDF: 16.1/18

Left In: 54.688+/-19.965 χ^2/NDF:22.7/18

Left: 21.947+/-13.827 χ^2/NDF: 73.8/39

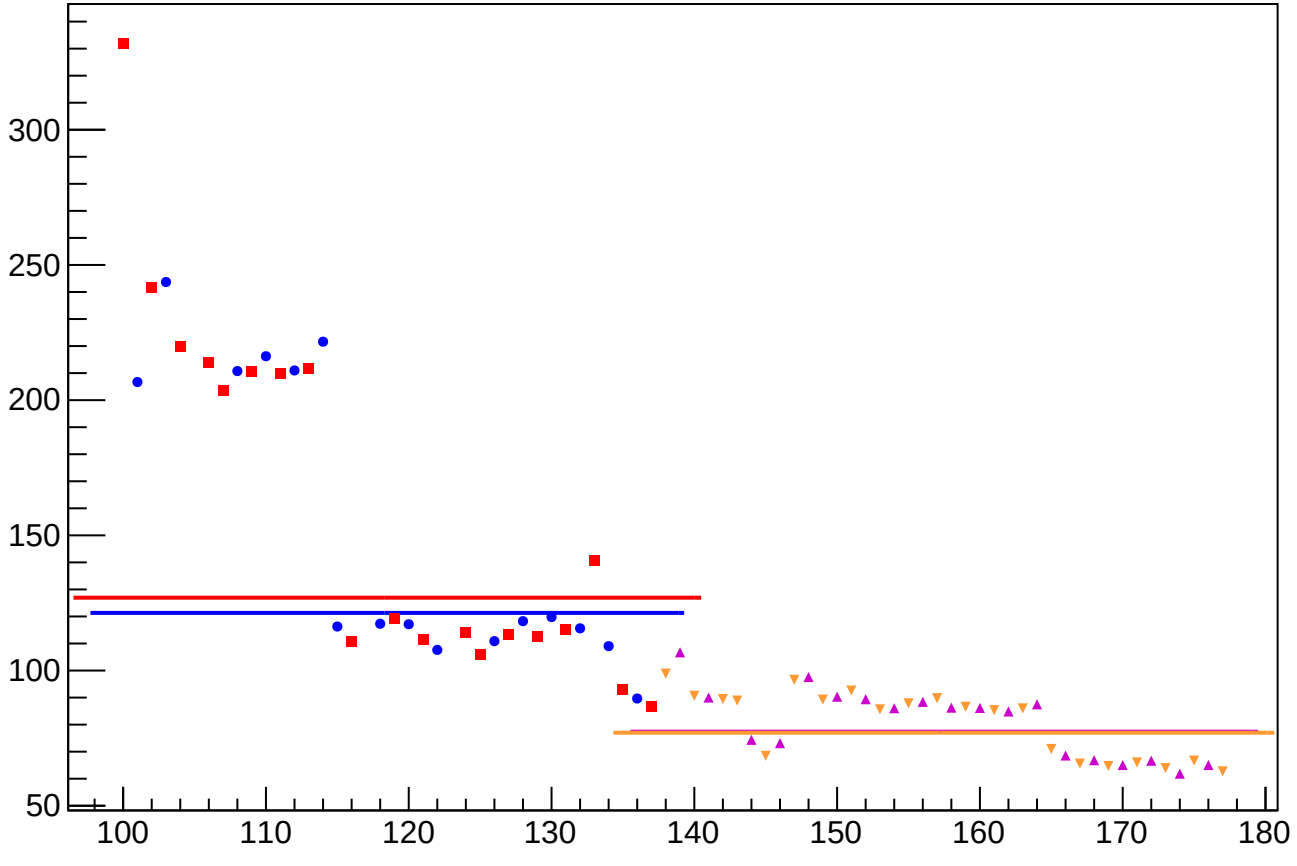
Right: 85.367+/-34.264 χ^2/NDF: 29.7/34

In: 61.678+/-18.413 χ^2/NDF:36.9/34

Out: 1.781+/-17.866 χ^2/NDF:64.1/39

All: 30.828+/-12.822 χ^2/NDF: 106.4/74

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 77.004+/-0.014 χ^2/NDF:808463.8/20

Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 77.387+/-0.014 χ^2/NDF:731951.2/18

Left: 77.188+/-0.010 χ^2/NDF: 1540798.5/39

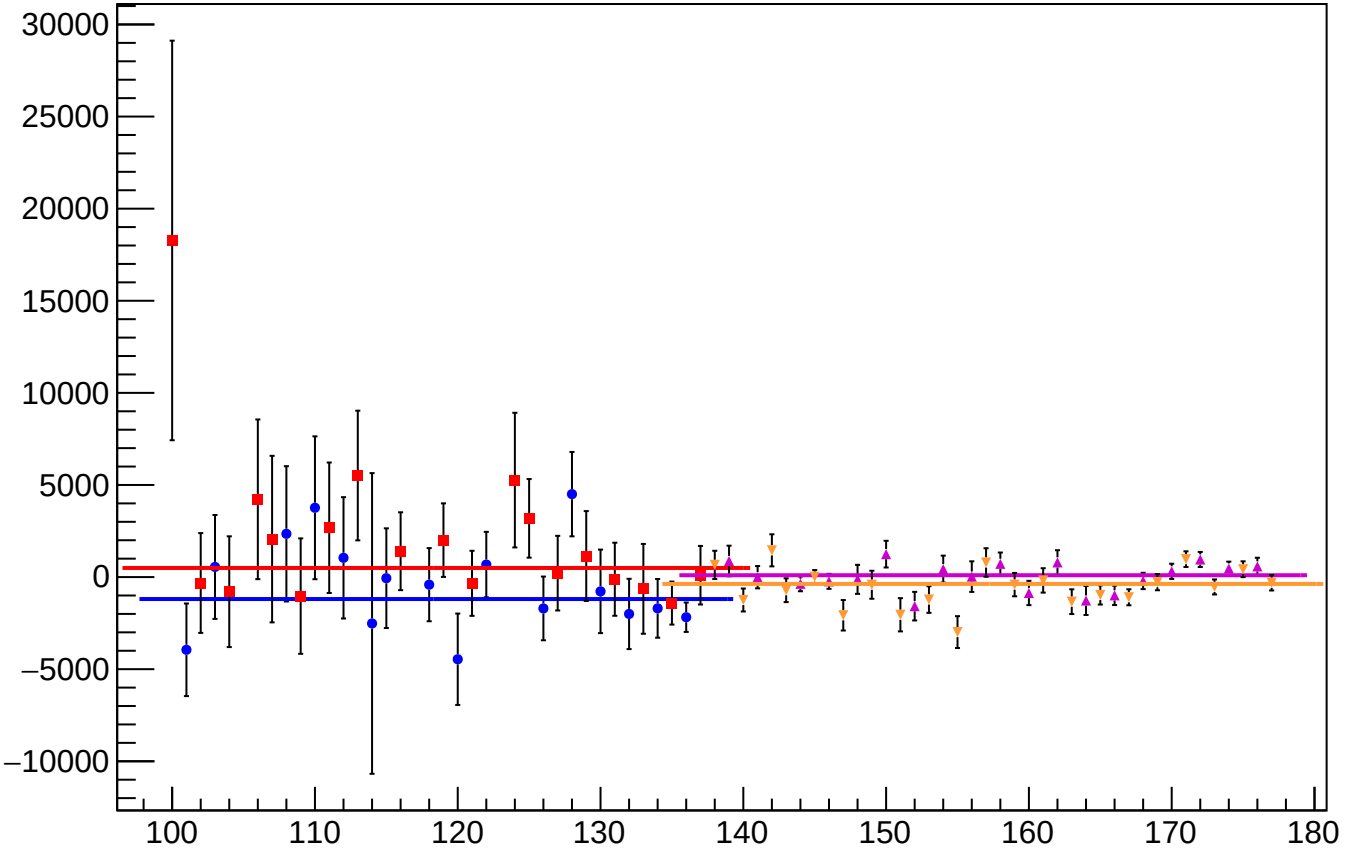
Right: 124.037+/-0.024 χ^2/NDF: 2771675.2/34

In: 83.953+/-0.013 χ^2/NDF:3466207.7/34

Out: 83.556+/-0.013 χ^2/NDF:4061166.9/39

All: 83.748+/-0.009 χ^2/NDF: 7527854.9/74

asym_sam_26_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1192.168+/-478.908 χ^2/NDF: 15.9/15

Left Out: -371.888+/-120.547 χ^2/NDF:50.0/20

Right Out: 494.627+/-521.756 χ^2/NDF: 13.9/18

Left In: 100.185+/-123.107 χ^2/NDF:29.1/18

Left: -140.811+/-86.130 χ^2/NDF: 86.6/39

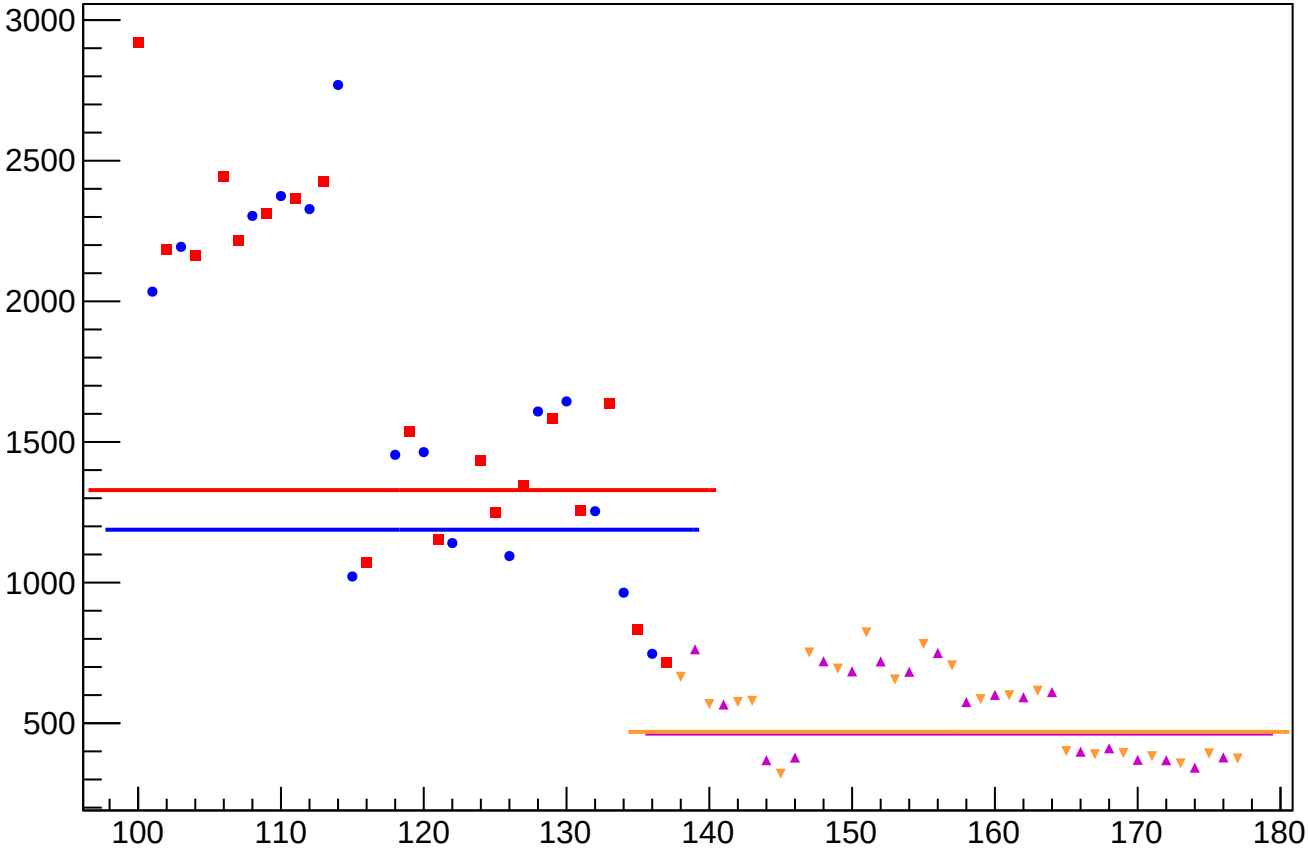
Right: -420.866+/-352.816 χ^2/NDF: 35.5/34

In: 20.082+/-119.230 χ^2/NDF:51.8/34

Out: -327.978+/-117.453 χ^2/NDF:66.5/39

All: -156.562+/-83.673 χ^2/NDF: 122.7/74

asym_sam_26_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1188.069+/-0.339 χ^2/NDF: 2044635.7/15

Left Out: 469.269+/-0.085 χ^2/NDF:2703456.6/20

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

Left In: 463.070+/-0.087 χ^2/NDF:2398669.4/18

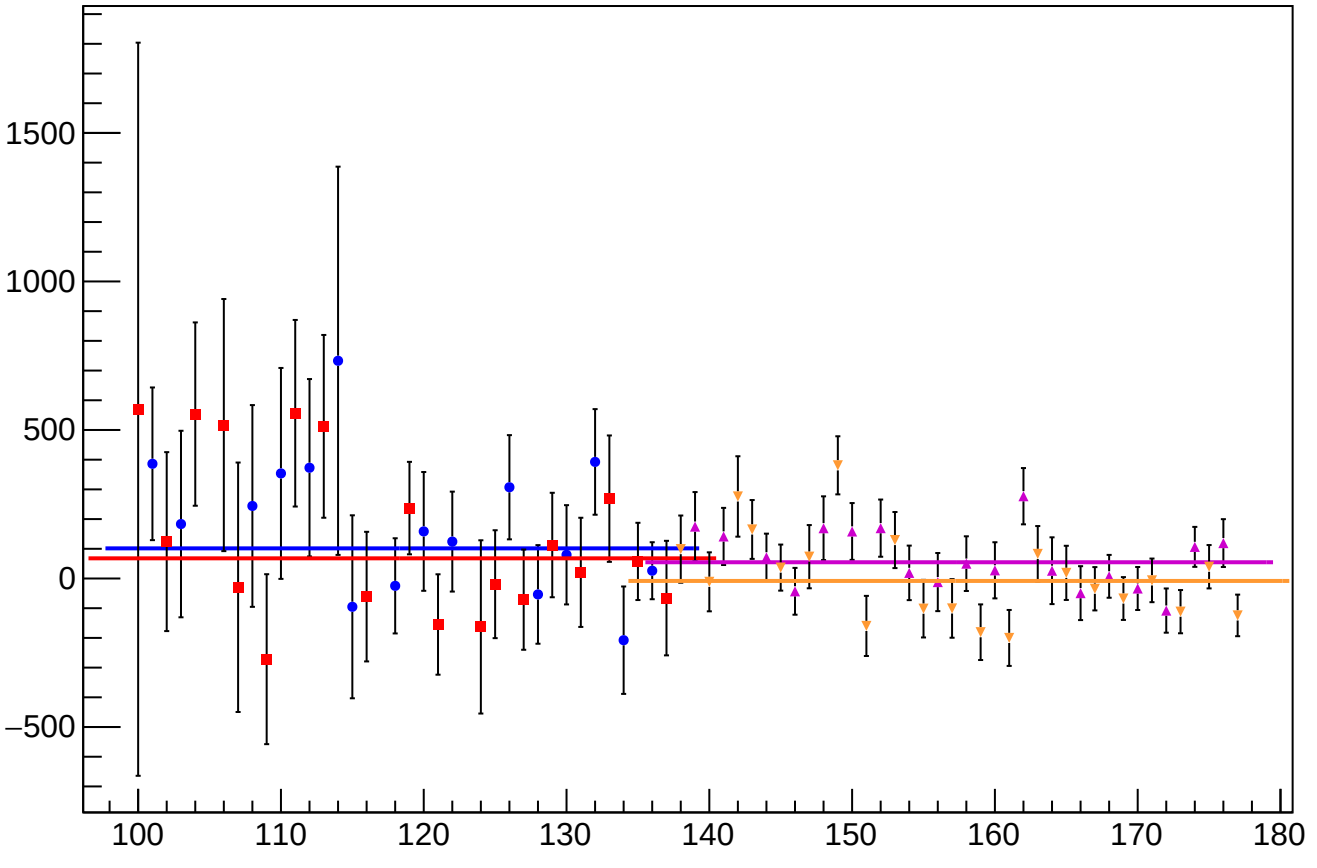
Left: 466.235+/-0.061 χ^2/NDF: 5104715.3/39

Right: 1252.427+/-0.249 χ^2/NDF: 4081382.8/34

In: 508.007+/-0.084 χ^2/NDF:8742749.8/34

Out: 512.827+/-0.083 χ^2/NDF:9814094.3/39

All: 510.453+/-0.059 χ^2/NDF: 18558502.6/74



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: -8.234+/-19.168 χ^2/NDF:45.9/20

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 54.688+/-19.965 χ^2/NDF:22.7/18

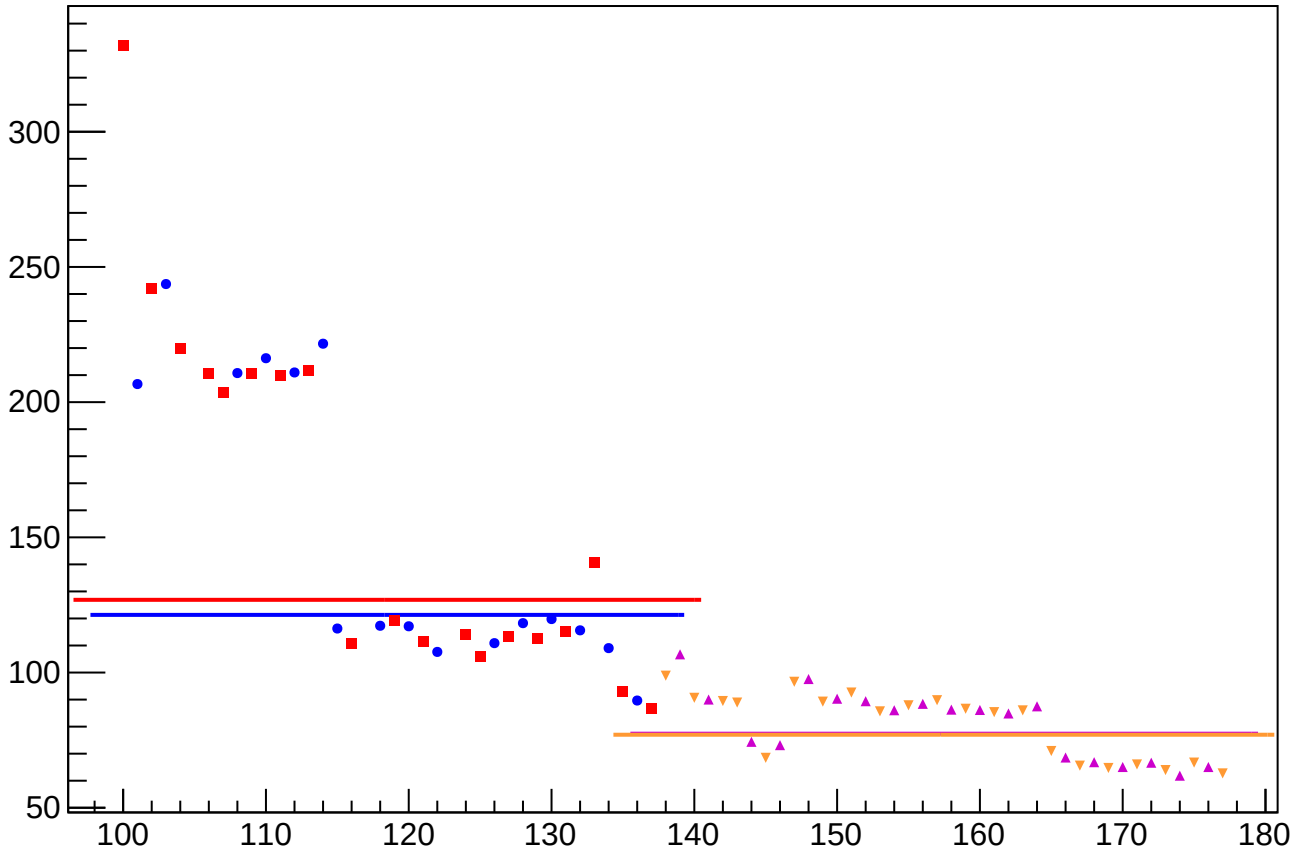
Left: 21.946+/-13.827 χ^2/NDF: 73.8/39

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 61.675+/-18.413 χ^2/NDF:36.9/34

Out: 1.750+/-17.866 χ^2/NDF:64.0/39

All: 30.811+/-12.822 χ^2/NDF: 106.4/74



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 77.004+/-0.014 χ^2/NDF:808463.8/20

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 77.387+/-0.014 χ^2/NDF:731951.2/18

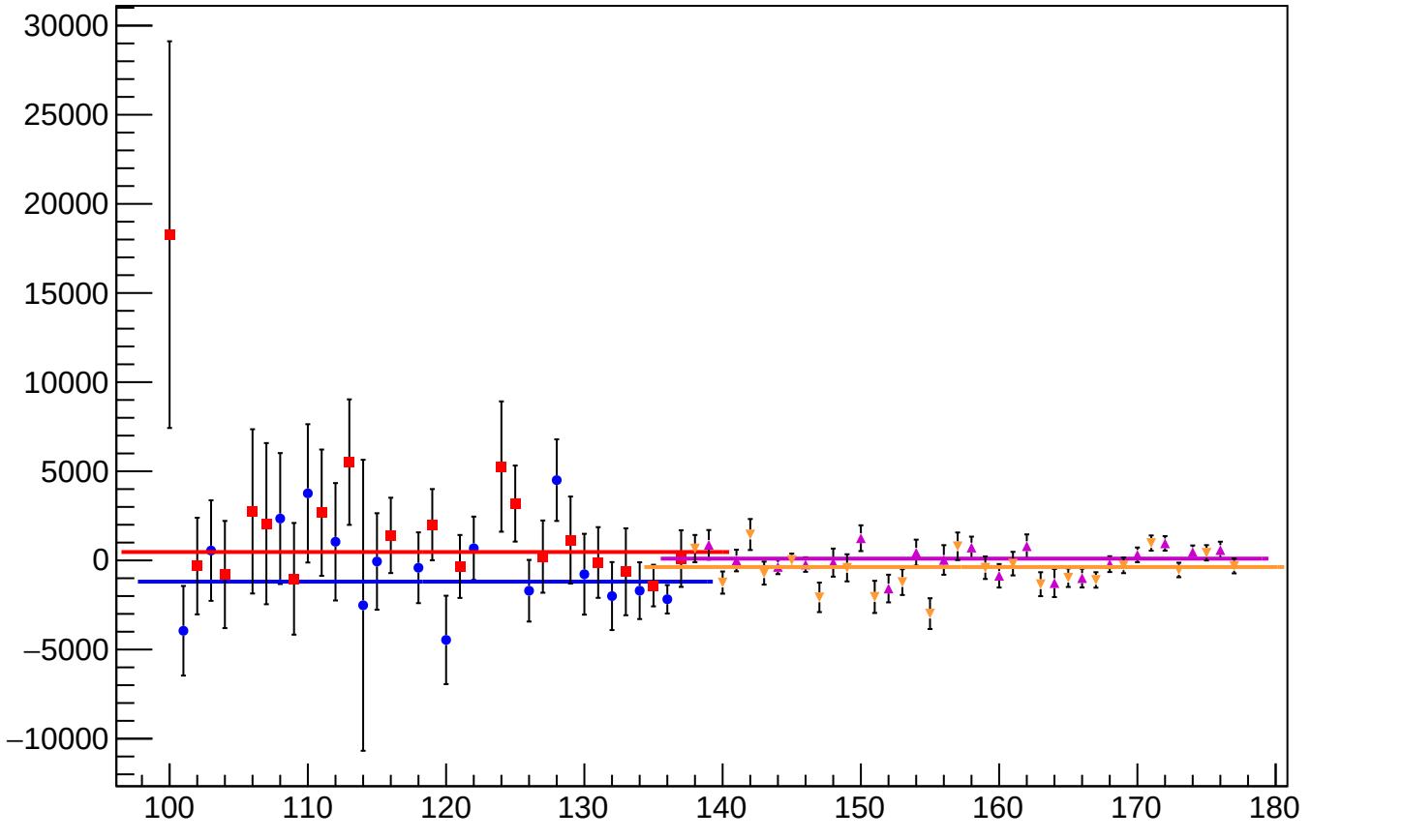
Left: 77.188+/-0.010 χ^2/NDF: 1540798.5/39

Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 83.953+/-0.013 χ^2/NDF:3466209.8/34

Out: 83.548+/-0.013 χ^2/NDF:4051294.7/39

All: 83.745+/-0.009 χ^2/NDF: 7518002.4/74



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -371.886+/-120.547 χ^2/NDF:50.0/20

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: 100.186+/-123.107 χ^2/NDF:29.1/18

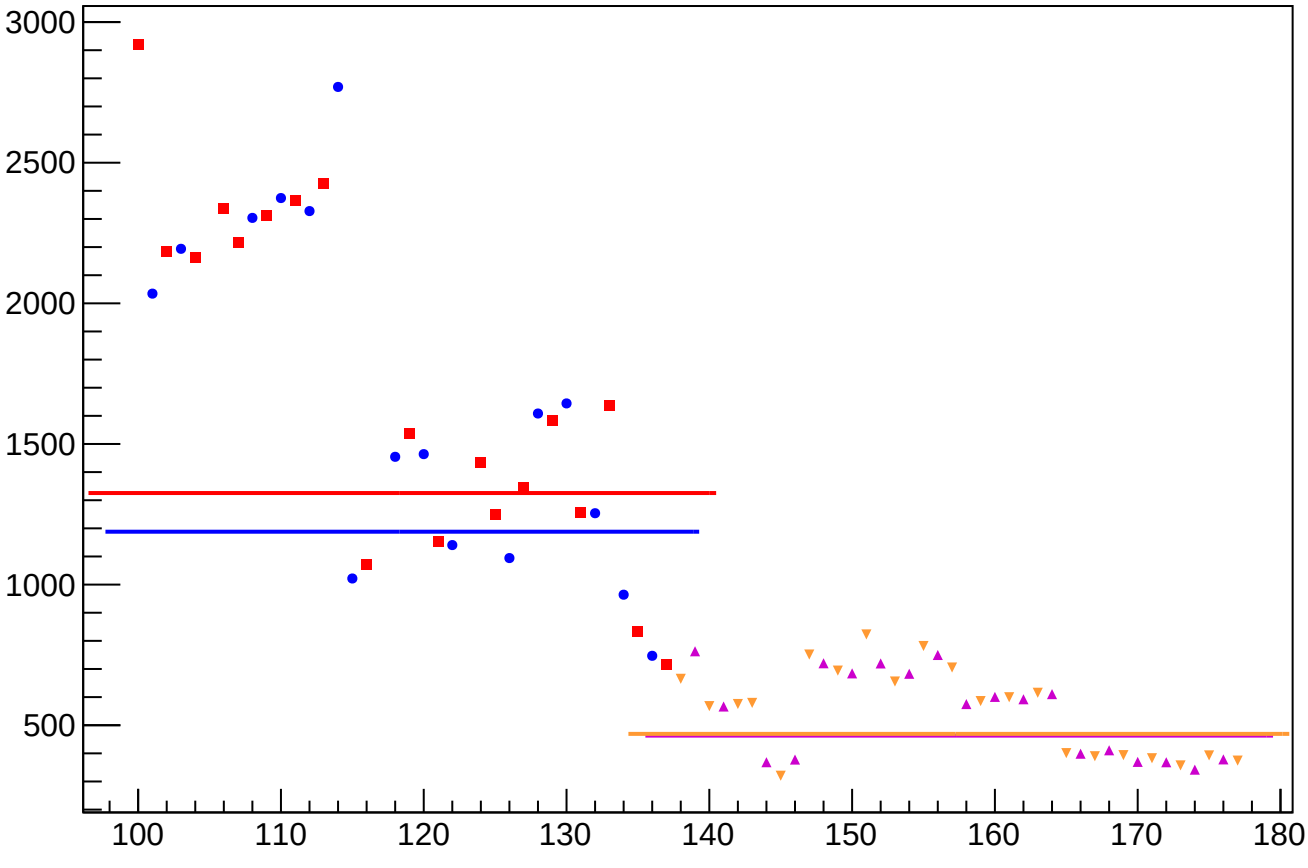
Left: -140.809+/-86.130 χ^2/NDF: 86.6/39

Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: 20.084+/-119.230 χ^2/NDF:51.8/34

Out: -329.307+/-117.458 χ^2/NDF:65.8/39

All: -157.228+/-83.675 χ^2/NDF: 122.0/74



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 469.269+/-0.085 χ^2/NDF:2703465.7/20

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 463.070+/-0.087 χ^2/NDF:2398674.6/18

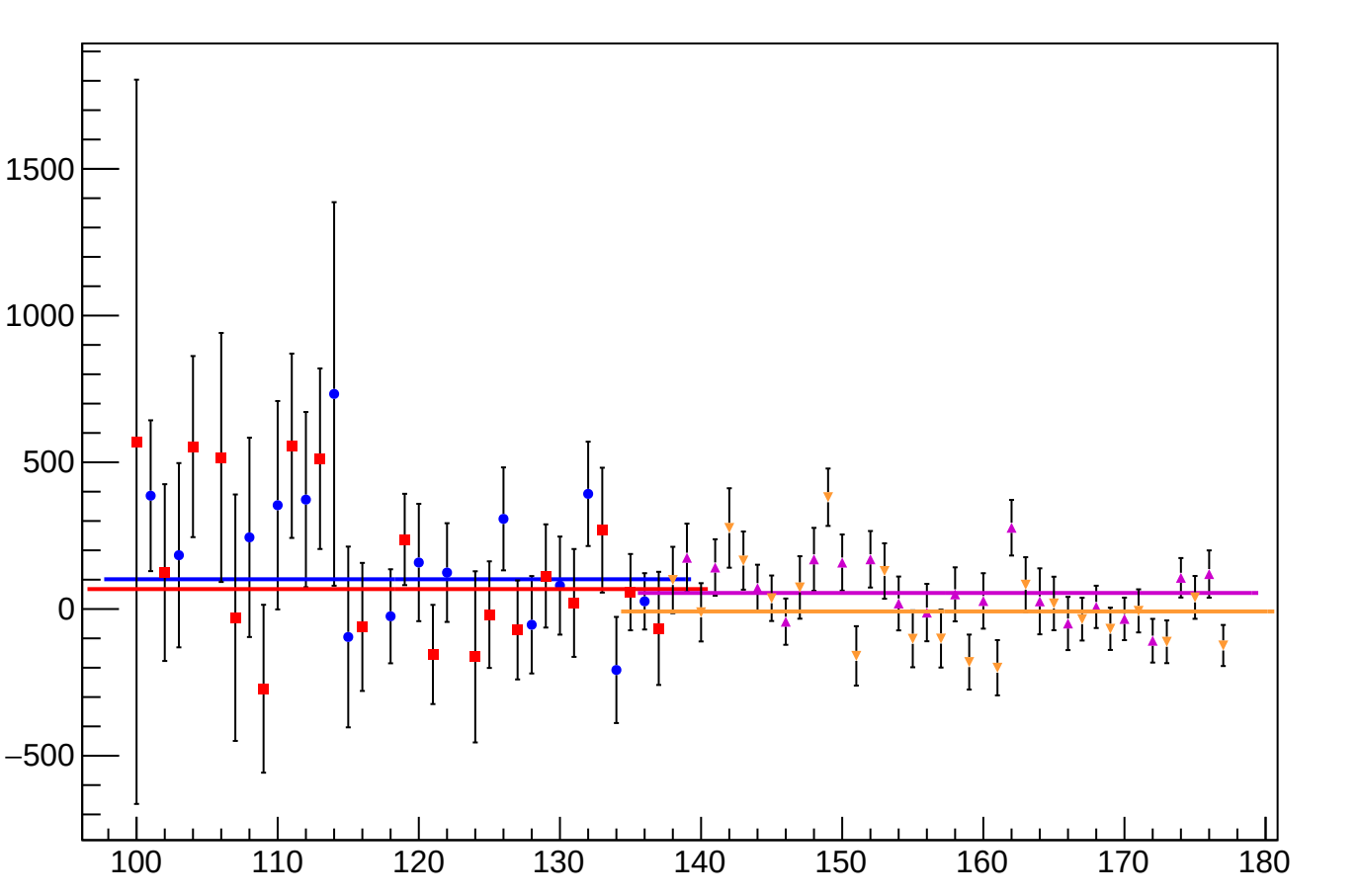
Left: 466.234+/-0.061 χ^2/NDF: 5104729.3/39

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 508.007+/-0.084 χ^2/NDF:8742772.4/34

Out: 512.591+/-0.083 χ^2/NDF:9730098.1/39

All: 510.333+/-0.059 χ^2/NDF: 18474370.7/74



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: -8.234+/-19.168 χ^2/NDF:45.9/20

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 54.688+/-19.965 χ^2/NDF:22.7/18

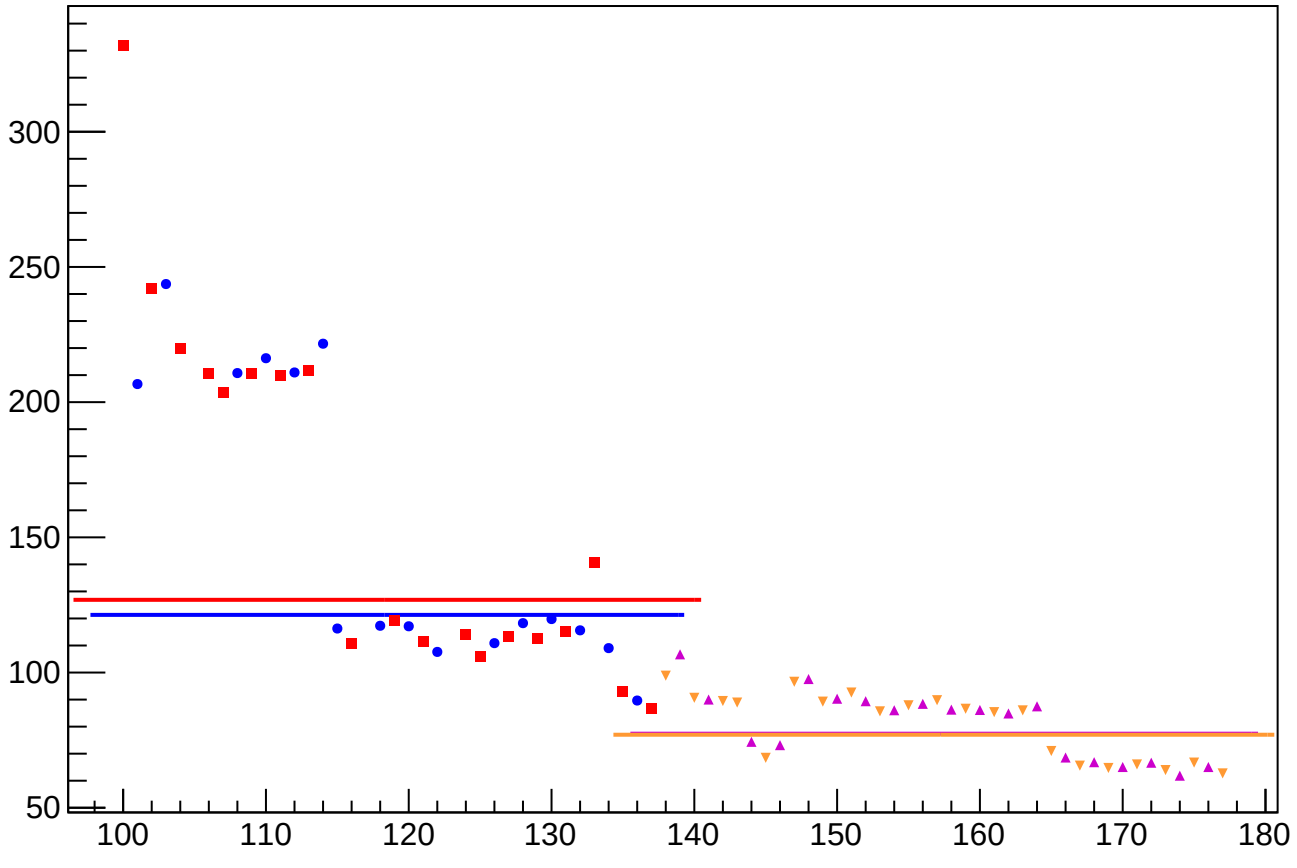
Left: 21.946+/-13.827 χ^2/NDF: 73.8/39

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 61.675+/-18.413 χ^2/NDF:36.9/34

Out: 1.750+/-17.866 χ^2/NDF:64.0/39

All: 30.811+/-12.822 χ^2/NDF: 106.4/74



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 77.004+/-0.014 χ^2/NDF:808463.8/20

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 77.387+/-0.014 χ^2/NDF:731951.2/18

Left: 77.188+/-0.010 χ^2/NDF: 1540798.5/39

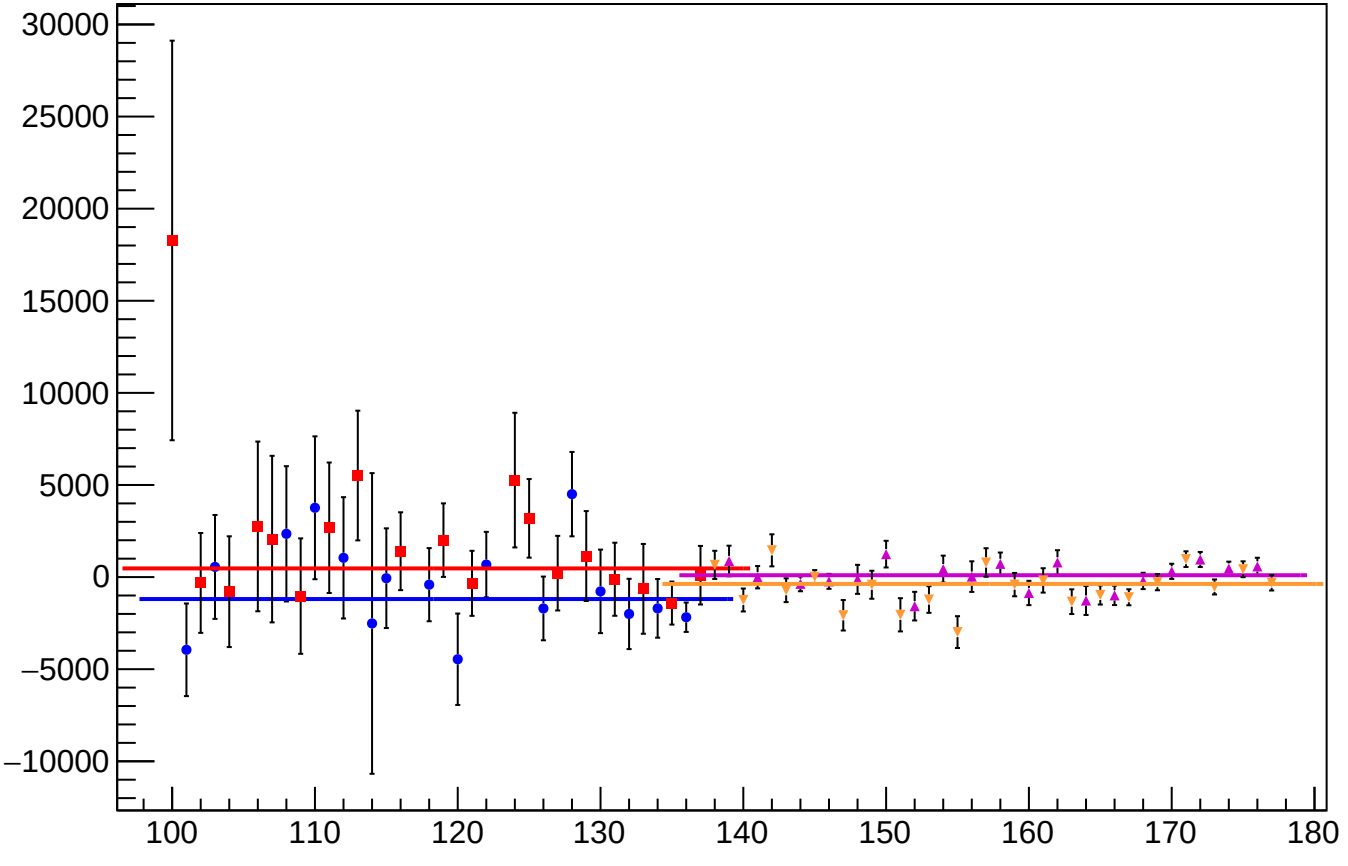
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 83.953+/-0.013 χ^2/NDF:3466209.8/34

Out: 83.548+/-0.013 χ^2/NDF:4051294.7/39

All: 83.745+/-0.009 χ^2/NDF: 7518002.4/74

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: -371.886+/-120.547 χ^2/NDF:50.0/20

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: 100.186+/-123.107 χ^2/NDF:29.1/18

Left: -140.809+/-86.130 χ^2/NDF: 86.6/39

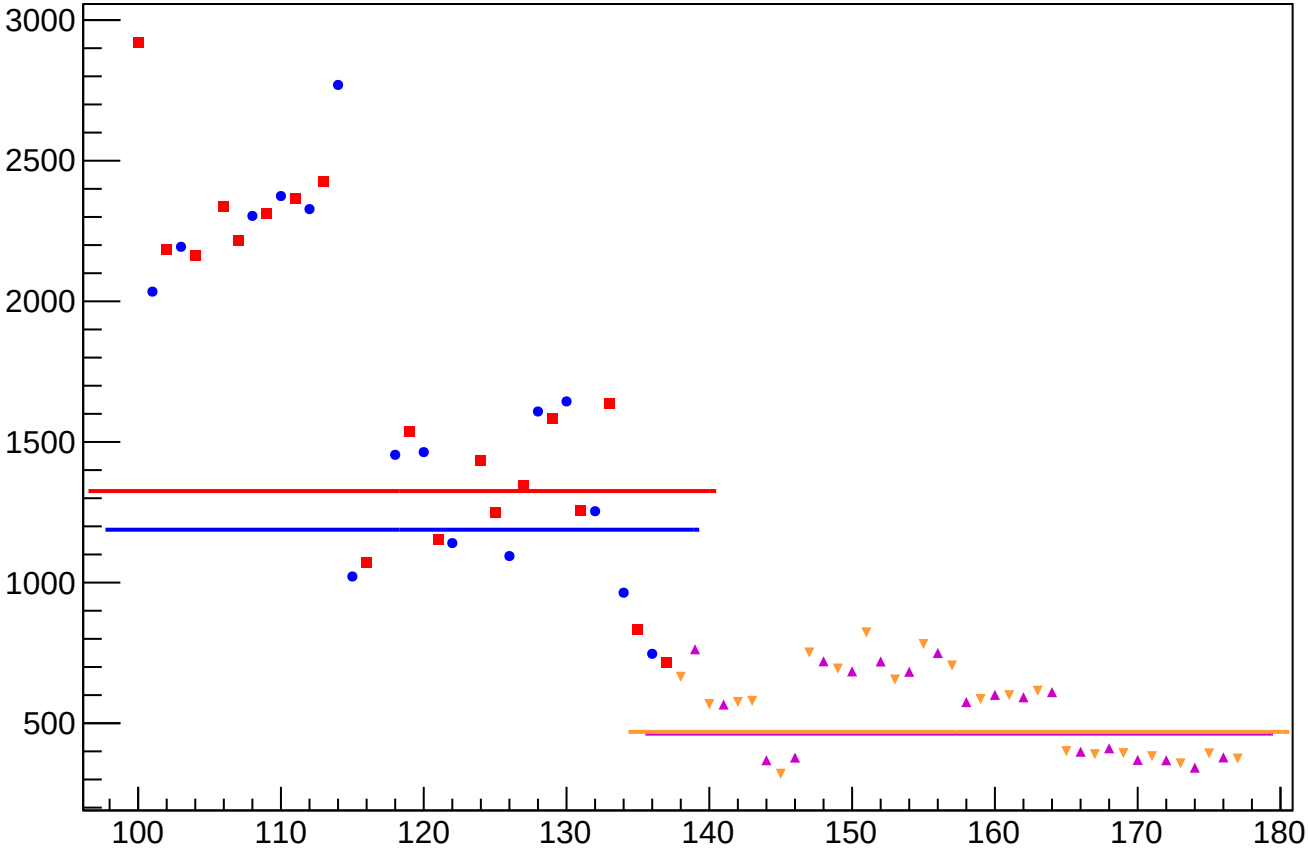
Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: 20.084+/-119.230 χ^2/NDF:51.8/34

Out: -329.307+/-117.458 χ^2/NDF:65.8/39

All: -157.228+/-83.675 χ^2/NDF: 122.0/74

asym_sam_26_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 469.269+/-0.085 χ^2/NDF:2703465.7/20

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 463.070+/-0.087 χ^2/NDF:2398674.6/18

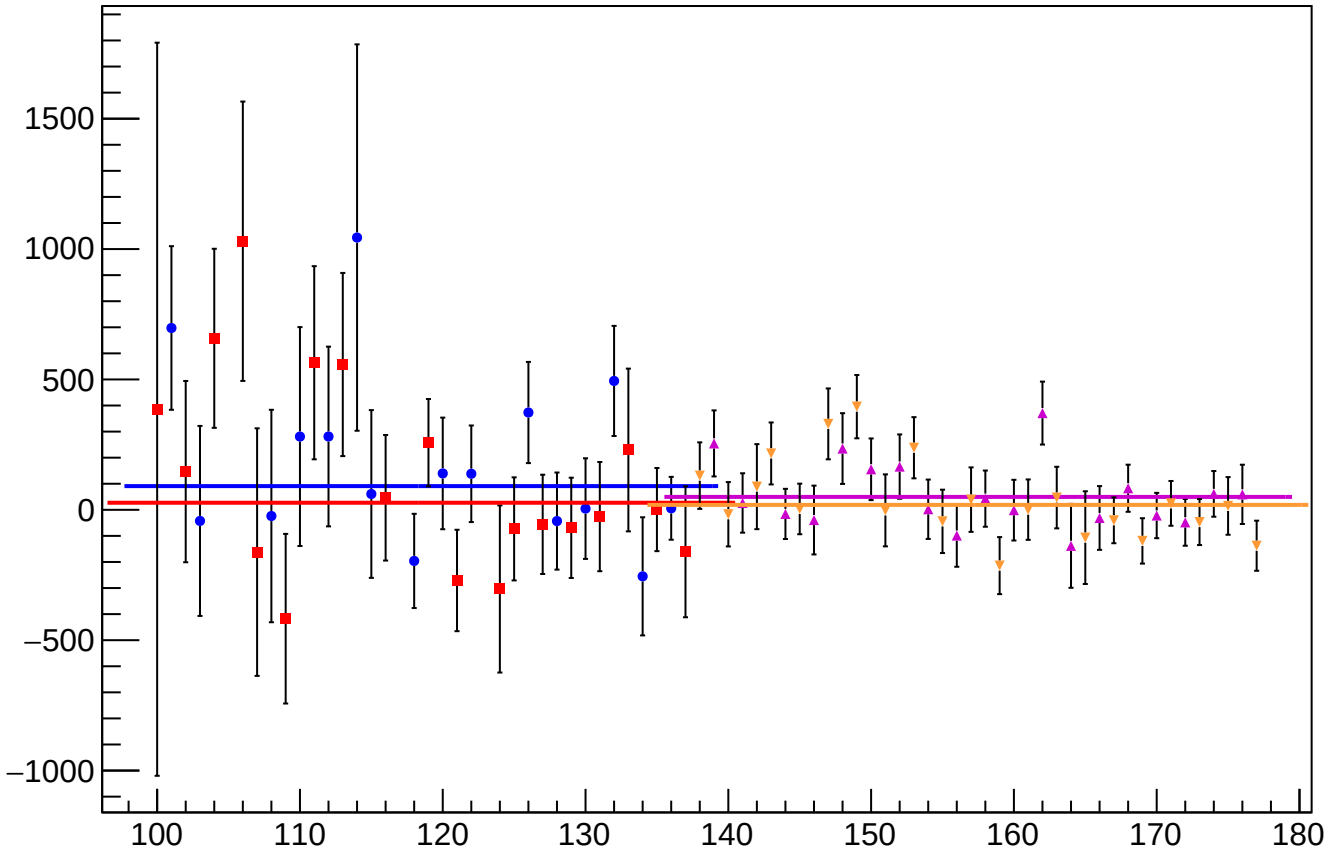
Left: 466.234+/-0.061 χ^2/NDF: 5104729.3/39

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 508.007+/-0.084 χ^2/NDF:8742772.4/34

Out: 512.591+/-0.083 χ^2/NDF:9730098.1/39

All: 510.333+/-0.059 χ^2/NDF: 18474370.7/74



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 18.928+/-24.257 χ^2/NDF:33.8/20

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 49.529+/-25.281 χ^2/NDF:19.9/18

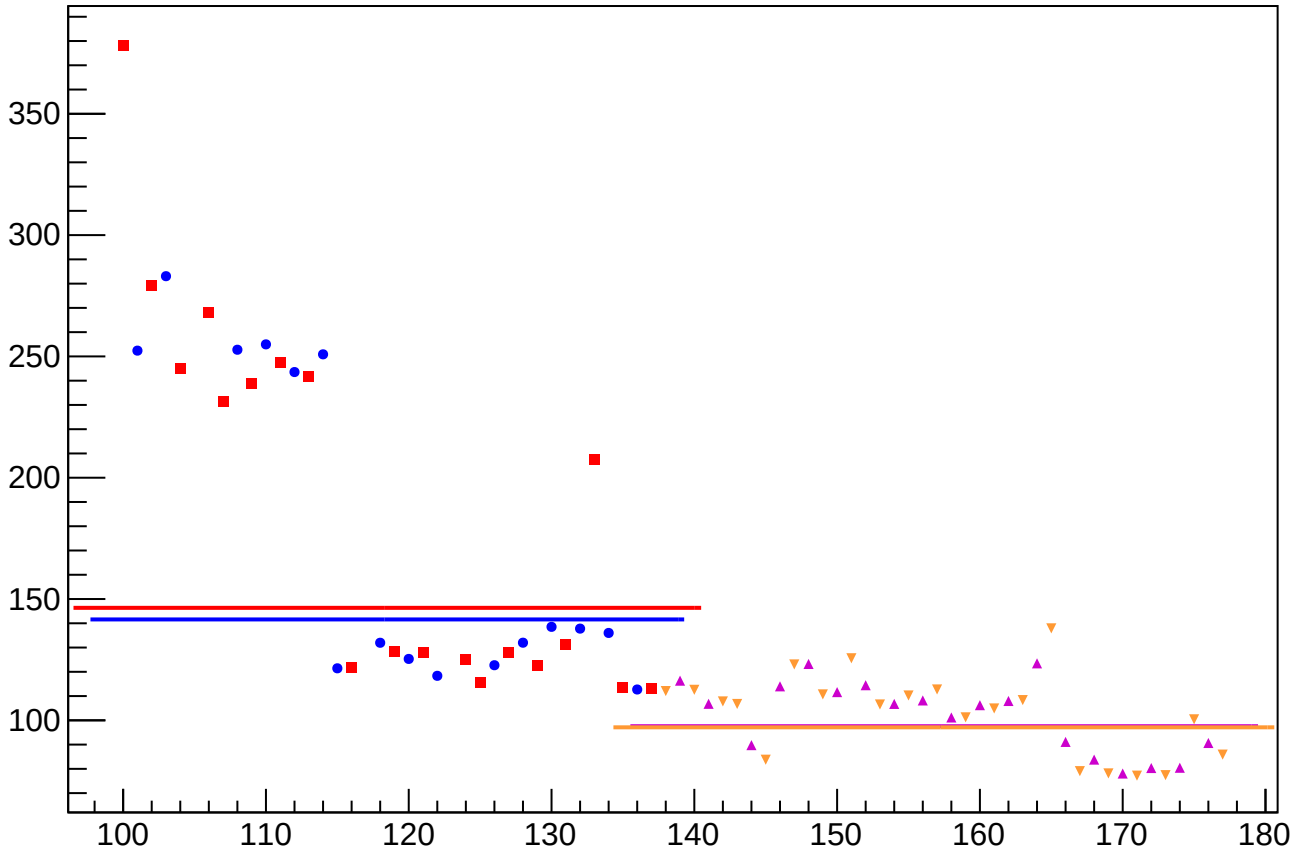
Left: 33.596+/-17.503 χ^2/NDF: 54.5/39

Right: 59.860+/-39.793 χ^2/NDF: 39.3/34

In: 56.626+/-23.011 χ^2/NDF:38.5/34

Out: 20.191+/-22.321 χ^2/NDF:54.4/39

All: 37.854+/-16.022 χ^2/NDF: 94.1/74



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 97.114+/-0.017 χ^2/NDF:921116.1/20

Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 97.581+/-0.018 χ^2/NDF:657875.4/18

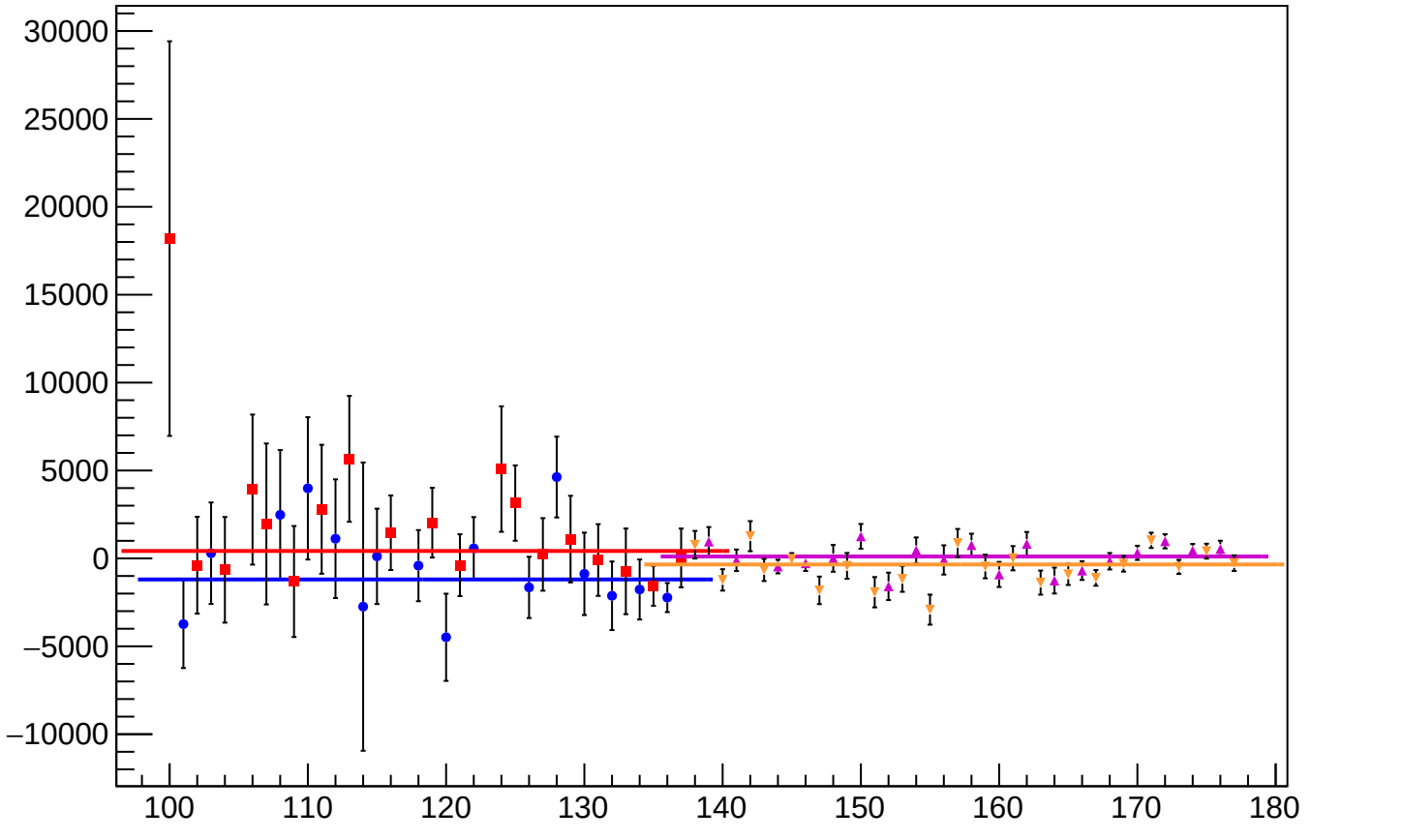
Left: 97.338+/-0.012 χ^2/NDF: 1579347.6/39

Right: 143.916+/-0.028 χ^2/NDF: 2783239.3/34

In: 105.129+/-0.016 χ^2/NDF:2959503.4/34

Out: 104.663+/-0.016 χ^2/NDF:3698614.4/39

All: 104.888+/-0.011 χ^2/NDF: 6658540.4/74



Right In: -1196.663+/-491.384 χ^2/NDF: 16.0/15

Left Out: -344.953+/-121.104 χ^2/NDF:48.0/20

Right Out: 422.161+/-523.834 χ^2/NDF: 14.3/18

Left In: 108.738+/-124.063 χ^2/NDF:28.5/18

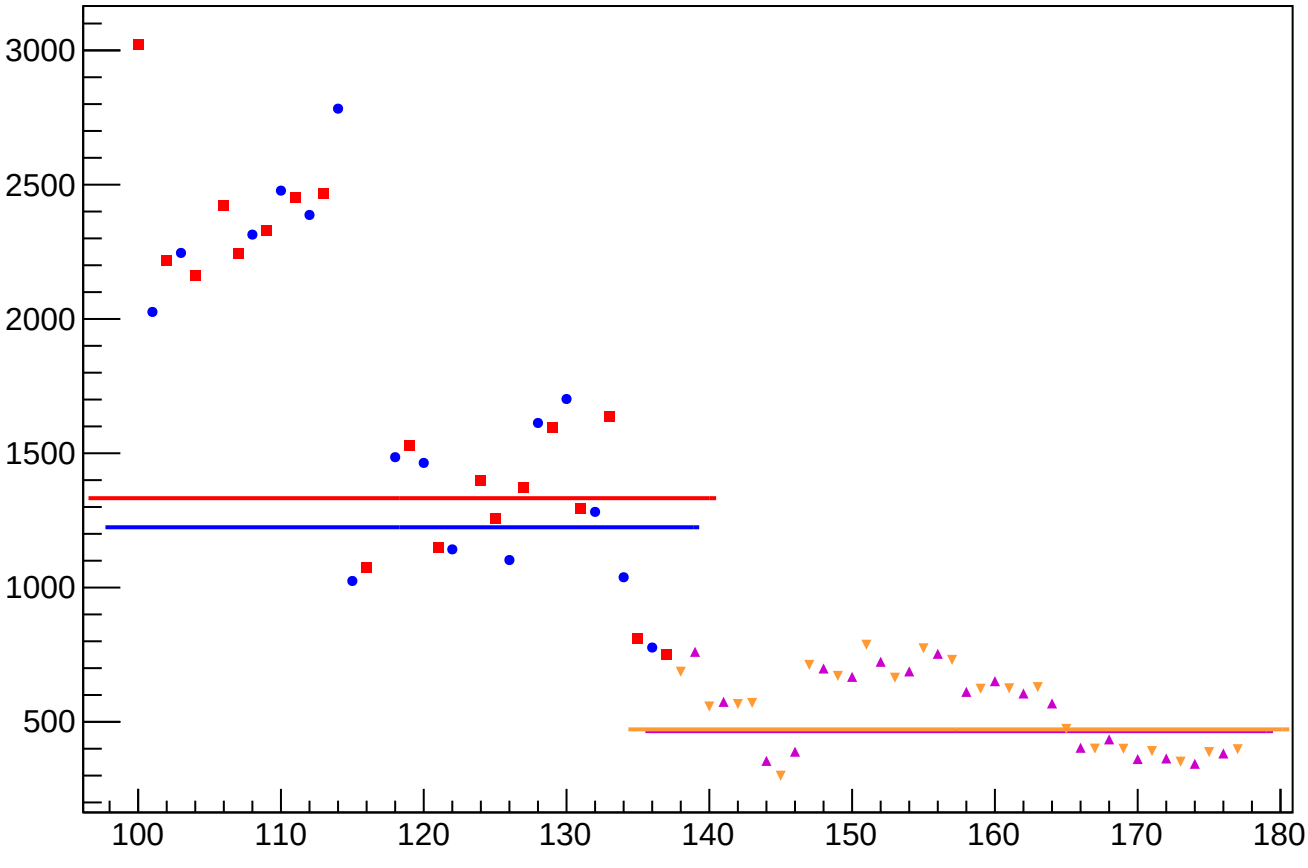
Left: -123.582+/-86.661 χ^2/NDF: 83.3/39

Right: -438.942+/-358.384 χ^2/NDF: 35.3/34

In: 30.513+/-120.288 χ^2/NDF:51.1/34

Out: -306.033+/-117.992 χ^2/NDF:64.3/39

All: -141.003+/-84.233 χ^2/NDF: 119.4/74



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 472.067+/-0.086 χ^2/NDF:2786721.4/20

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

Left In: 465.404+/-0.088 χ^2/NDF:2462813.5/18

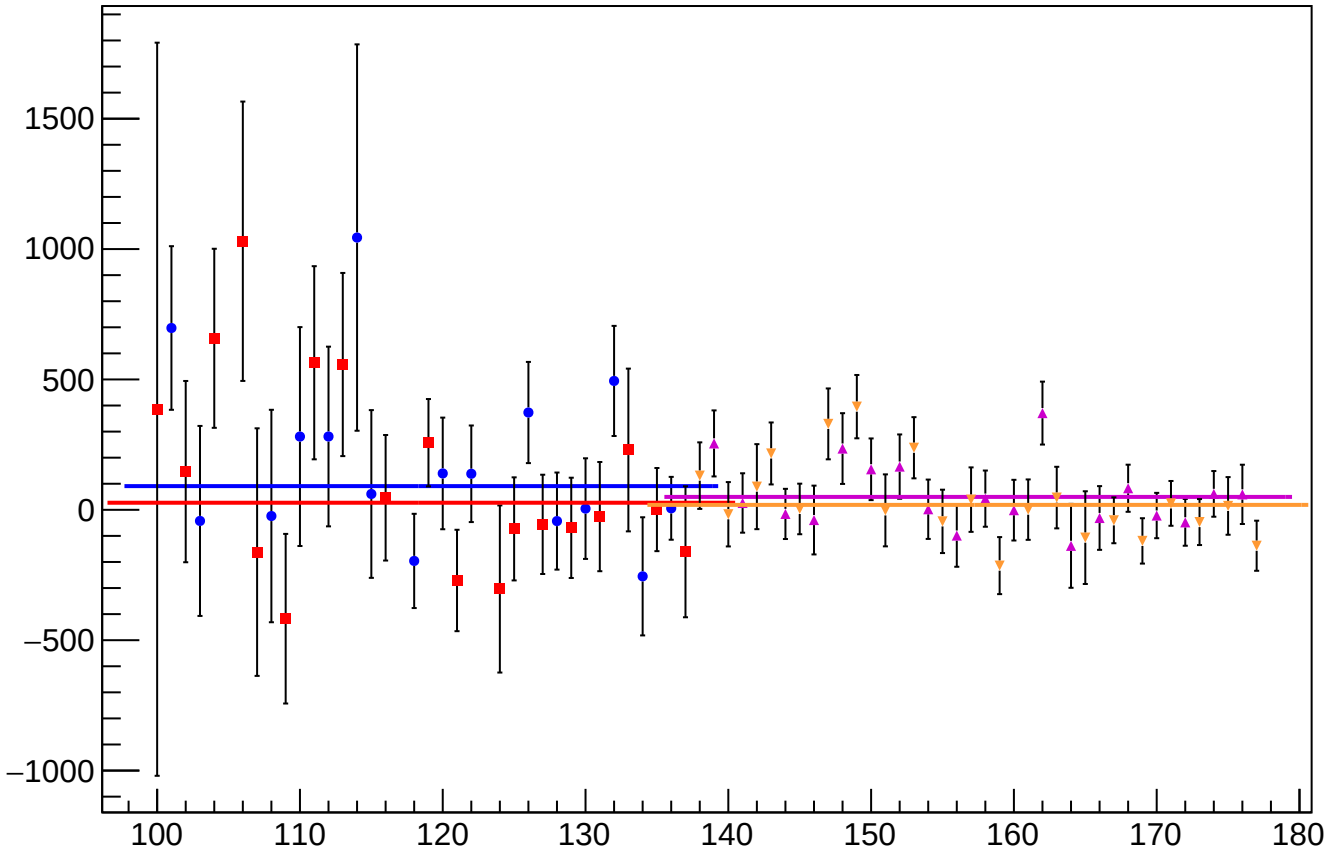
Left: 468.816+/-0.061 χ^2/NDF: 5252488.7/39

Right: 1275.169+/-0.253 χ^2/NDF: 3999659.2/34

In: 510.890+/-0.085 χ^2/NDF:8908702.3/34

Out: 515.736+/-0.083 χ^2/NDF:9907213.8/39

All: 513.360+/-0.060 χ^2/NDF: 18817570.2/74



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 18.926+/-24.257 χ^2/NDF:33.8/20

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 49.528+/-25.281 χ^2/NDF:19.9/18

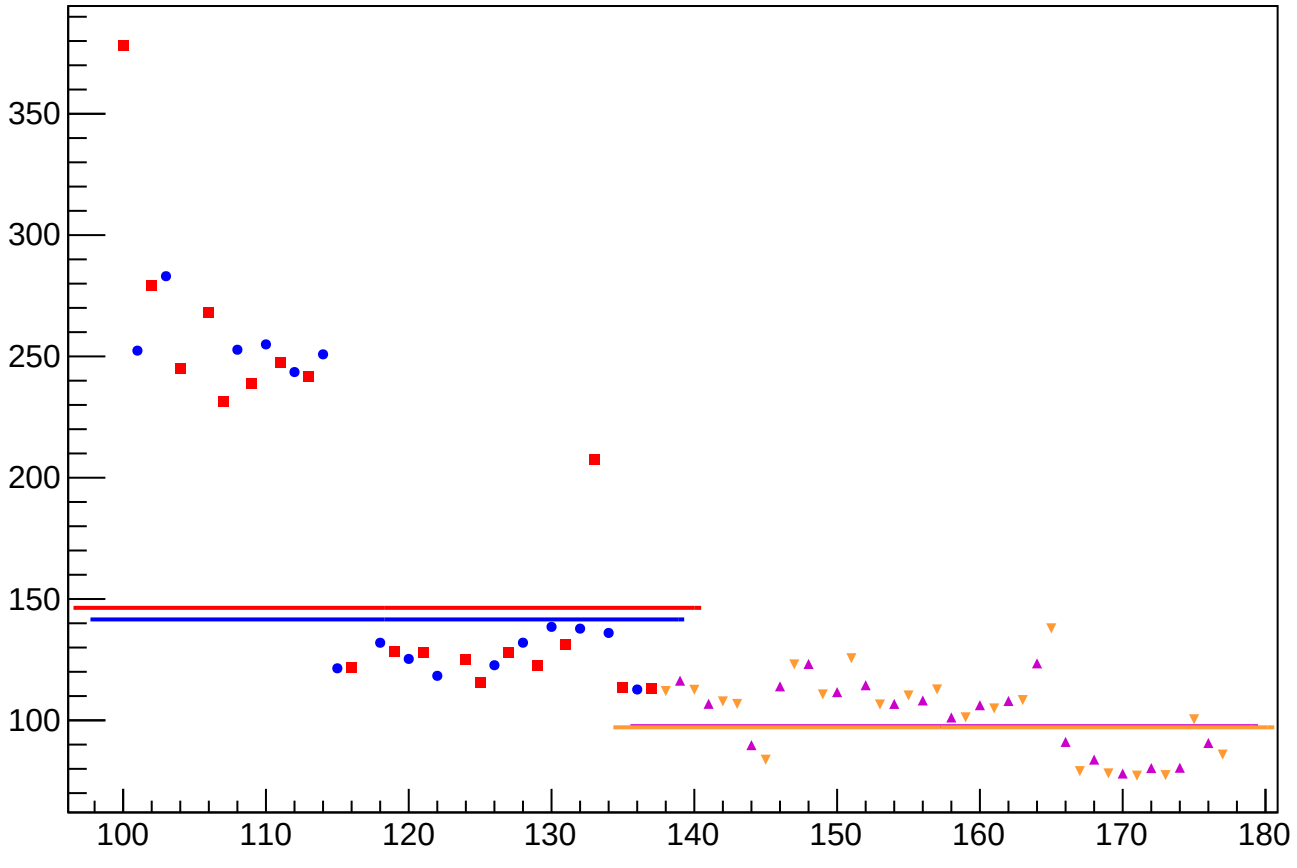
Left: 33.594+/-17.503 χ^2/NDF: 54.5/39

Right: 59.862+/-39.793 χ^2/NDF: 39.3/34

In: 56.625+/-23.011 χ^2/NDF:38.5/34

Out: 20.190+/-22.321 χ^2/NDF:54.4/39

All: 37.852+/-16.022 χ^2/NDF: 94.1/74



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 97.114+/-0.017 χ^2/NDF:921115.4/20

Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 97.582+/-0.018 χ^2/NDF:657864.9/18

Left: 97.338+/-0.012 χ^2/NDF: 1579336.7/39

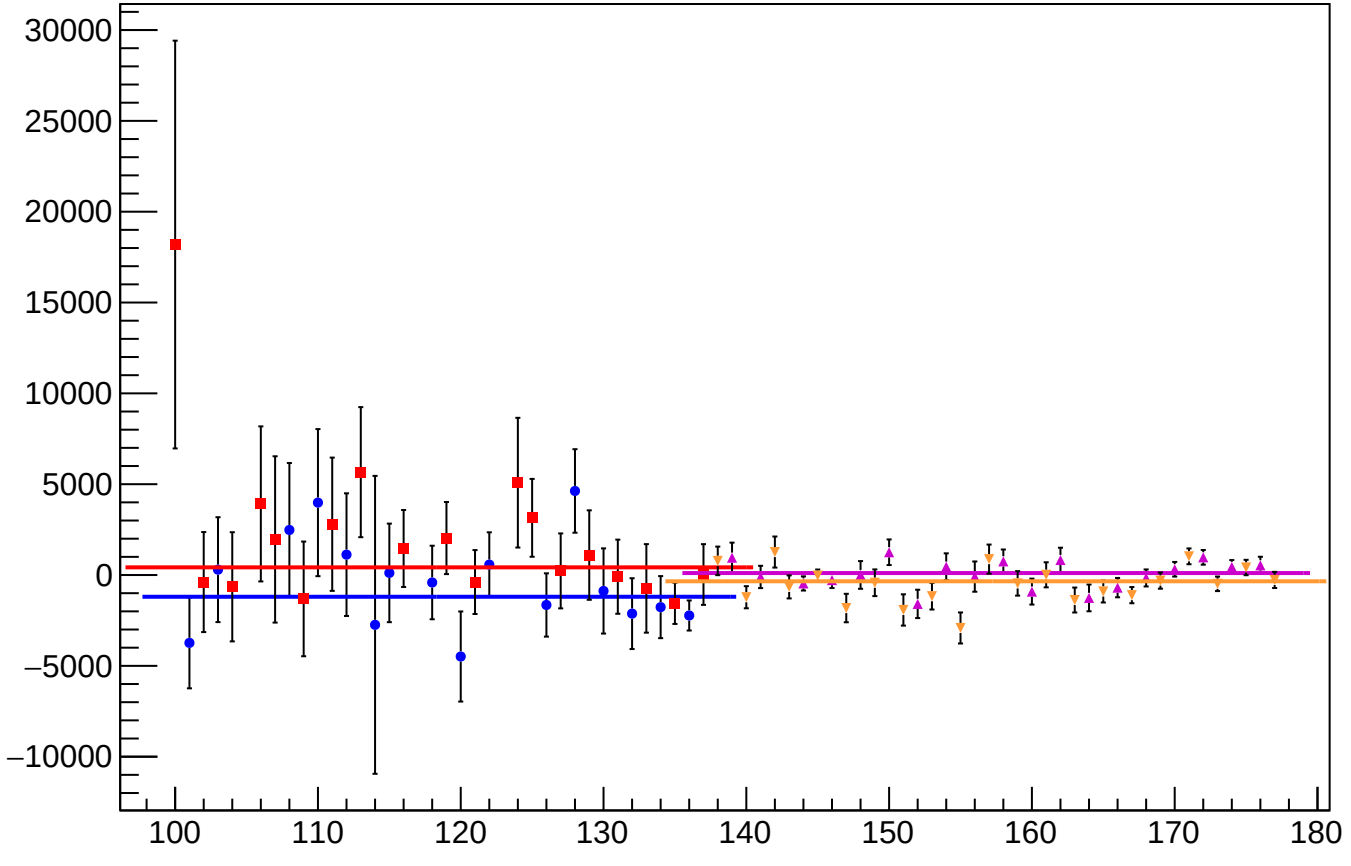
Right: 143.915+/-0.028 χ^2/NDF: 2783209.2/34

In: 105.129+/-0.016 χ^2/NDF:2959433.7/34

Out: 104.663+/-0.016 χ^2/NDF:3698575.6/39

All: 104.889+/-0.011 χ^2/NDF: 6658432.1/74

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: -344.953+/-121.104 χ^2/NDF:48.0/20

Right Out: 422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: 108.737+/-124.063 χ^2/NDF:28.5/18

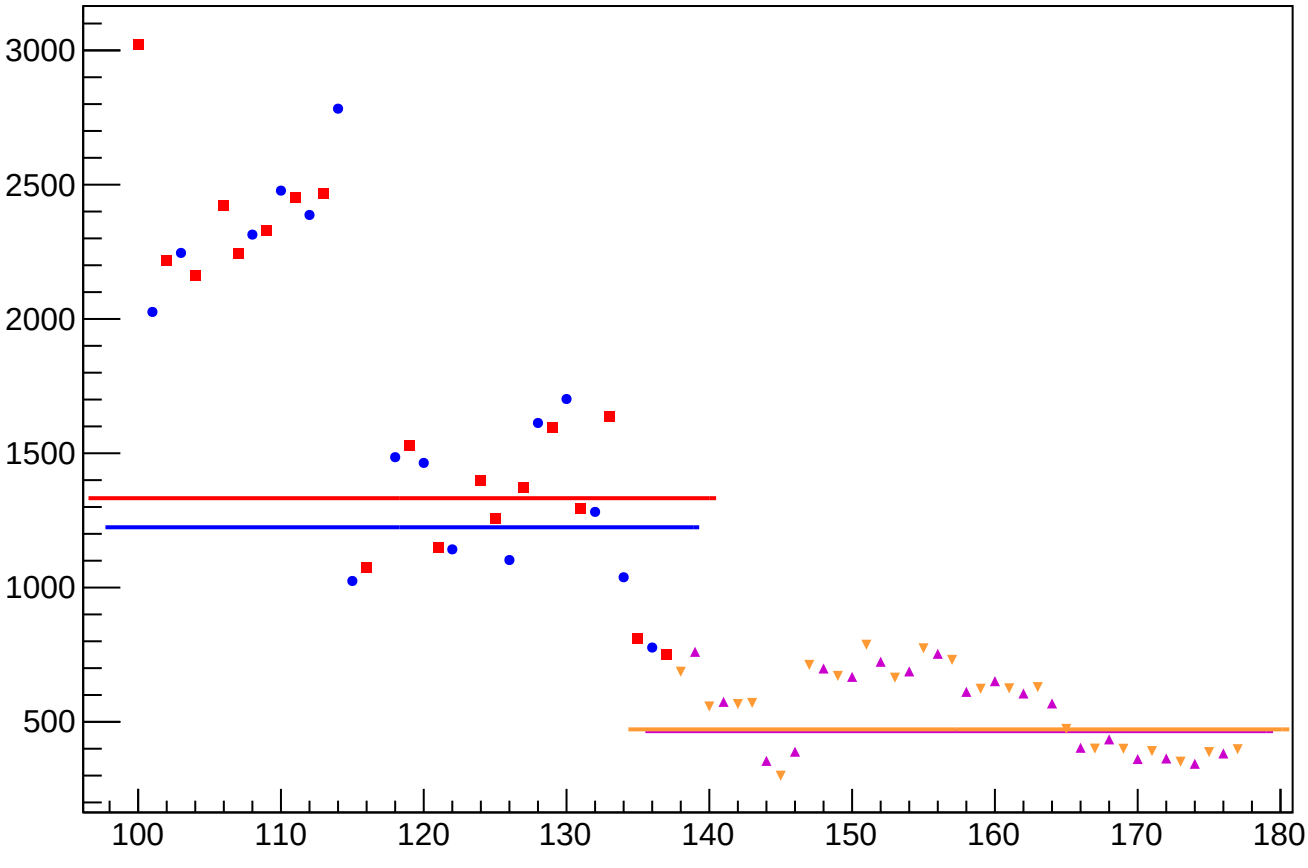
Left: -123.582+/-86.661 χ^2/NDF: 83.3/39

Right: -438.939+/-358.384 χ^2/NDF: 35.3/34

In: 30.512+/-120.288 χ^2/NDF:51.1/34

Out: -306.032+/-117.992 χ^2/NDF:64.3/39

All: -141.003+/-84.233 χ^2/NDF: 119.4/74



Right In: 1224.470+/-0.347 χ^2/NDF: 1959341.1/15

Left Out: 472.066+/-0.086 χ^2/NDF:2786744.6/20

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

Left In: 465.404+/-0.088 χ^2/NDF:2462813.2/18

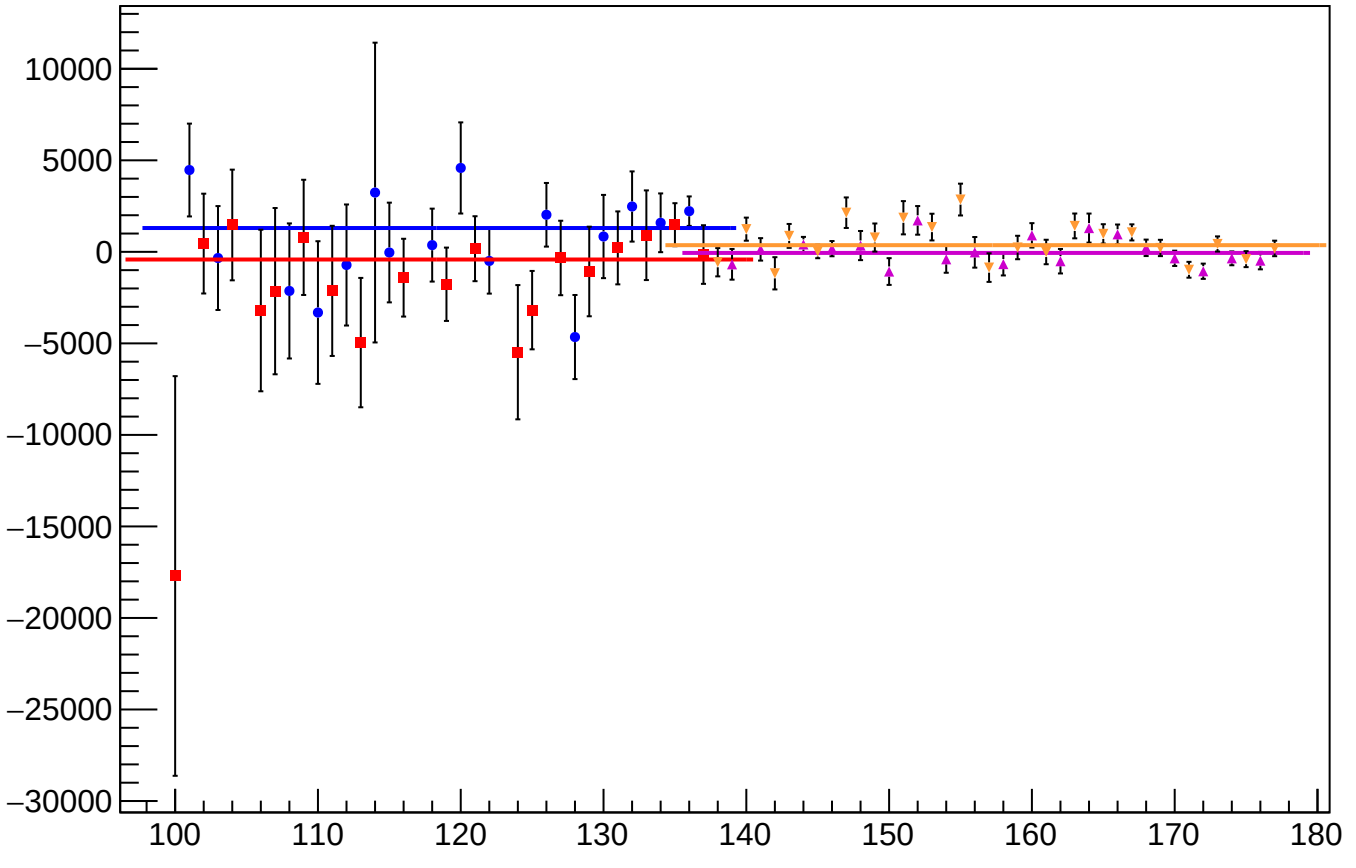
Left: 468.815+/-0.061 χ^2/NDF: 5252511.1/39

Right: 1275.168+/-0.253 χ^2/NDF: 3999620.7/34

In: 510.890+/-0.085 χ^2/NDF:8908685.1/34

Out: 515.735+/-0.083 χ^2/NDF:9907230.2/39

All: 513.360+/-0.060 χ^2/NDF: 18817569.0/74



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 364.611+/-122.241 χ^2/NDF:47.6/20

Right Out: -418.283+/-524.515 χ^2/NDF: 13.0/18

Left In: -58.591+/-124.937 χ^2/NDF:27.9/18

Left: 157.625+/-87.375 χ^2/NDF: 81.3/39

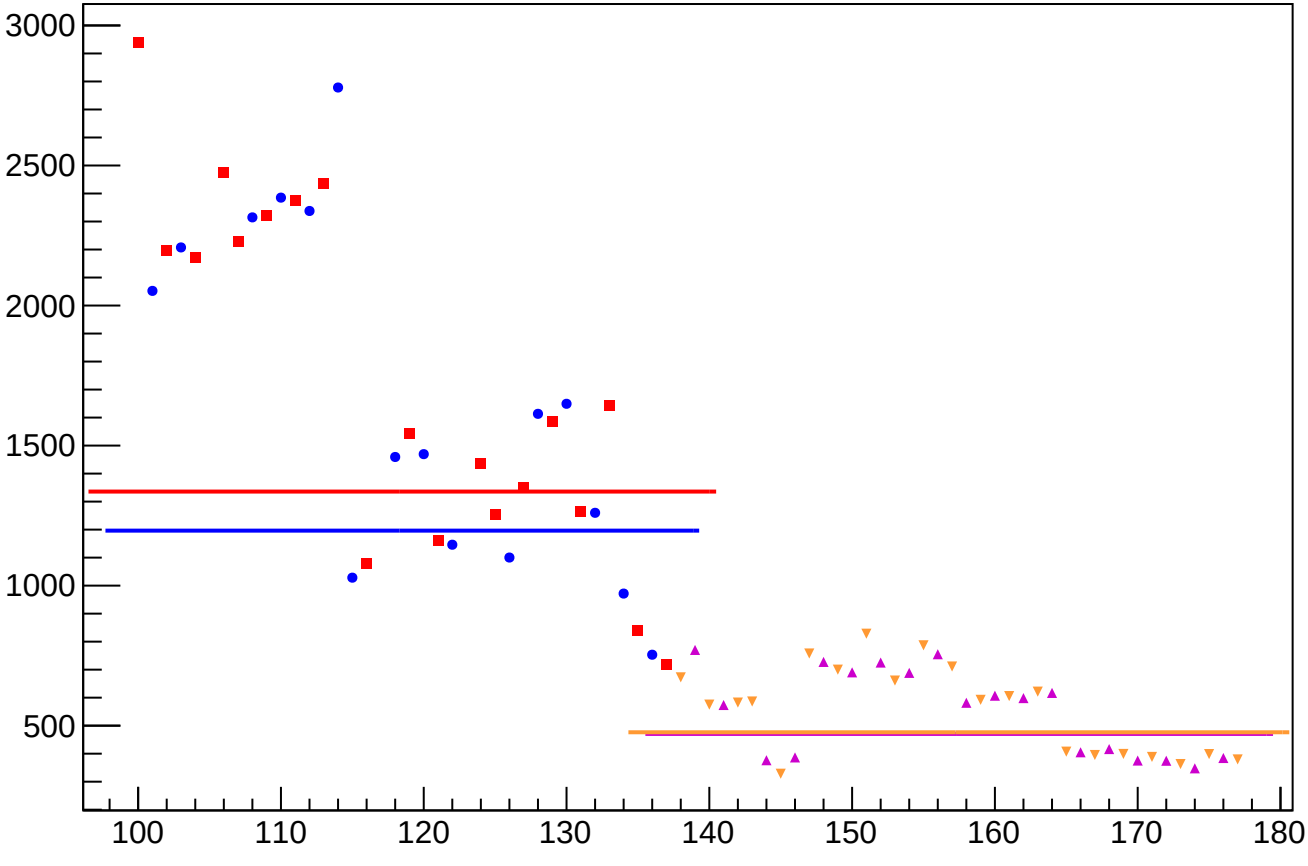
Right: 514.263+/-354.889 χ^2/NDF: 35.3/34

In: 27.058+/-120.940 χ^2/NDF:51.8/34

Out: 324.278+/-119.051 χ^2/NDF:62.8/39

All: 178.007+/-84.842 χ^2/NDF: 117.6/74

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 476.407+/-0.086 χ^2/NDF:2639325.8/20

Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 470.495+/-0.088 χ^2/NDF:2339779.2/18

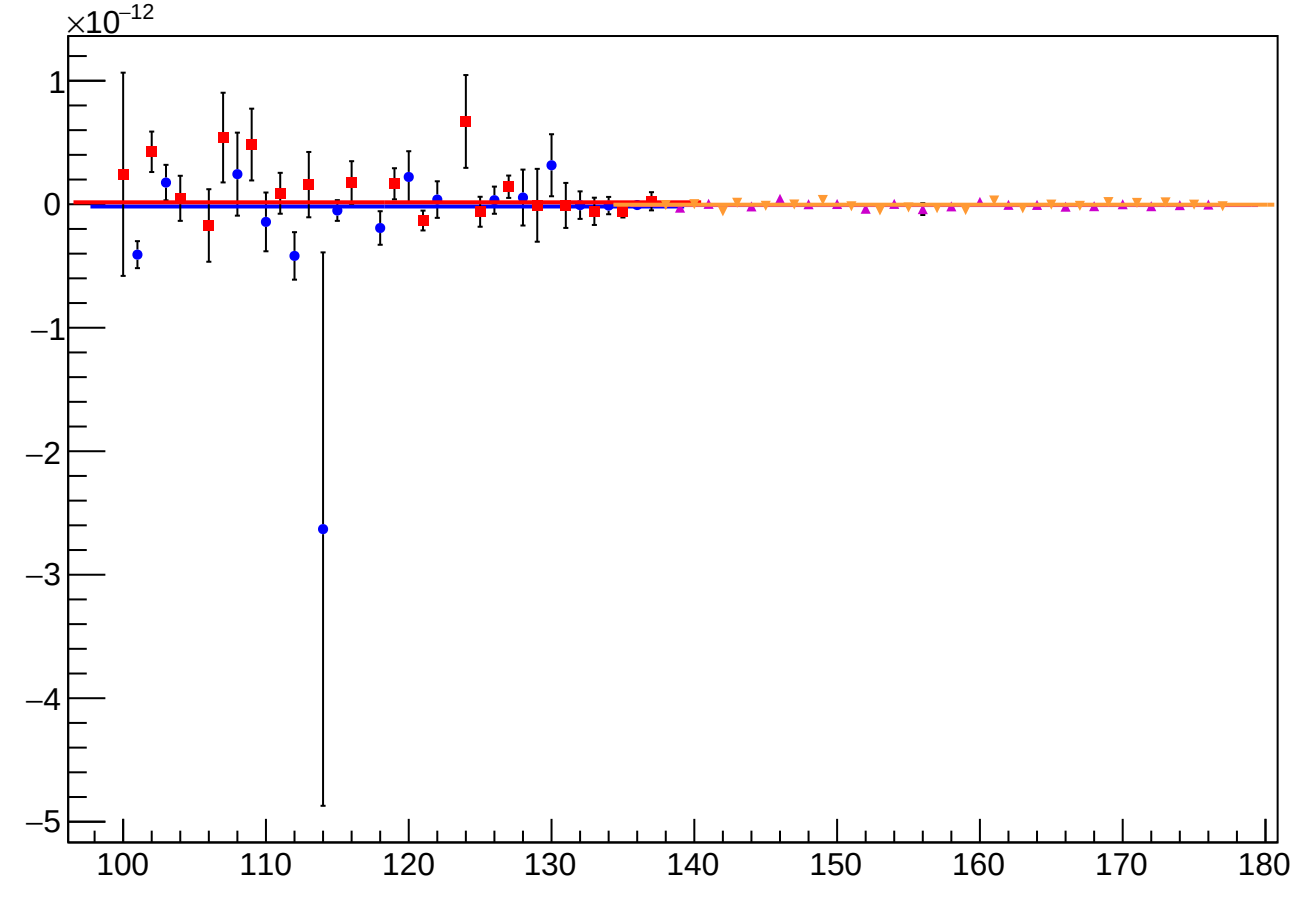
Left: 473.516+/-0.062 χ^2/NDF: 4981393.4/39

Right: 1260.195+/-0.251 χ^2/NDF: 4059839.9/34

In: 516.200+/-0.086 χ^2/NDF:8622266.8/34

Out: 520.681+/-0.084 χ^2/NDF:9683352.3/39

All: 518.476+/-0.060 χ^2/NDF: 18307013.3/74



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: -0.000+/-0.000 χ^2/NDF:13.8/18

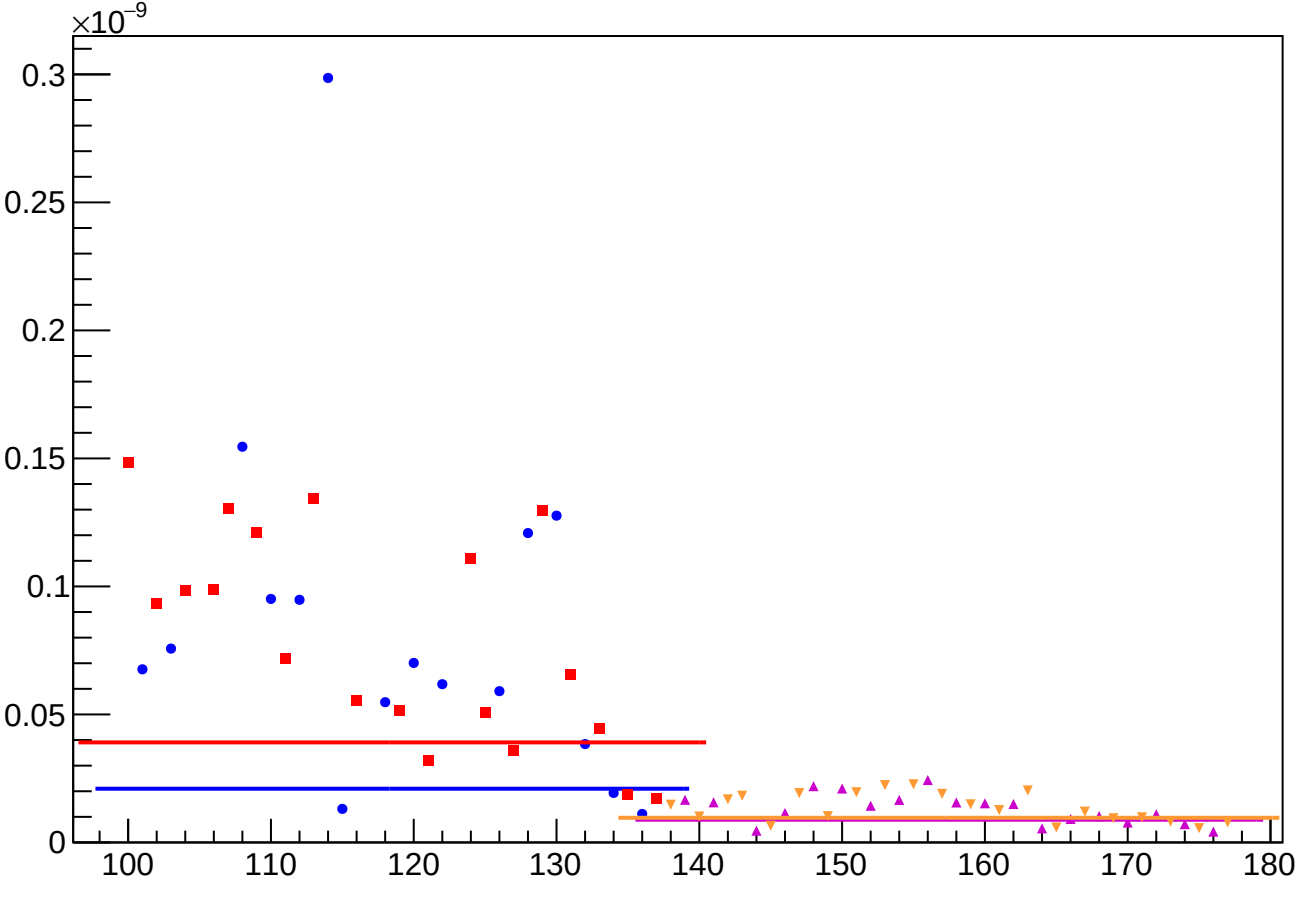
Left: -0.000+/-0.000 χ^2/NDF: 33.4/39

Right: -0.000+/-0.000 χ^2/NDF: 53.5/34

In: -0.000+/-0.000 χ^2/NDF:41.0/34

Out: -0.000+/-0.000 χ^2/NDF:45.5/39

All: -0.000+/-0.000 χ^2/NDF: 86.9/74



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2376462.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2583039.1/18

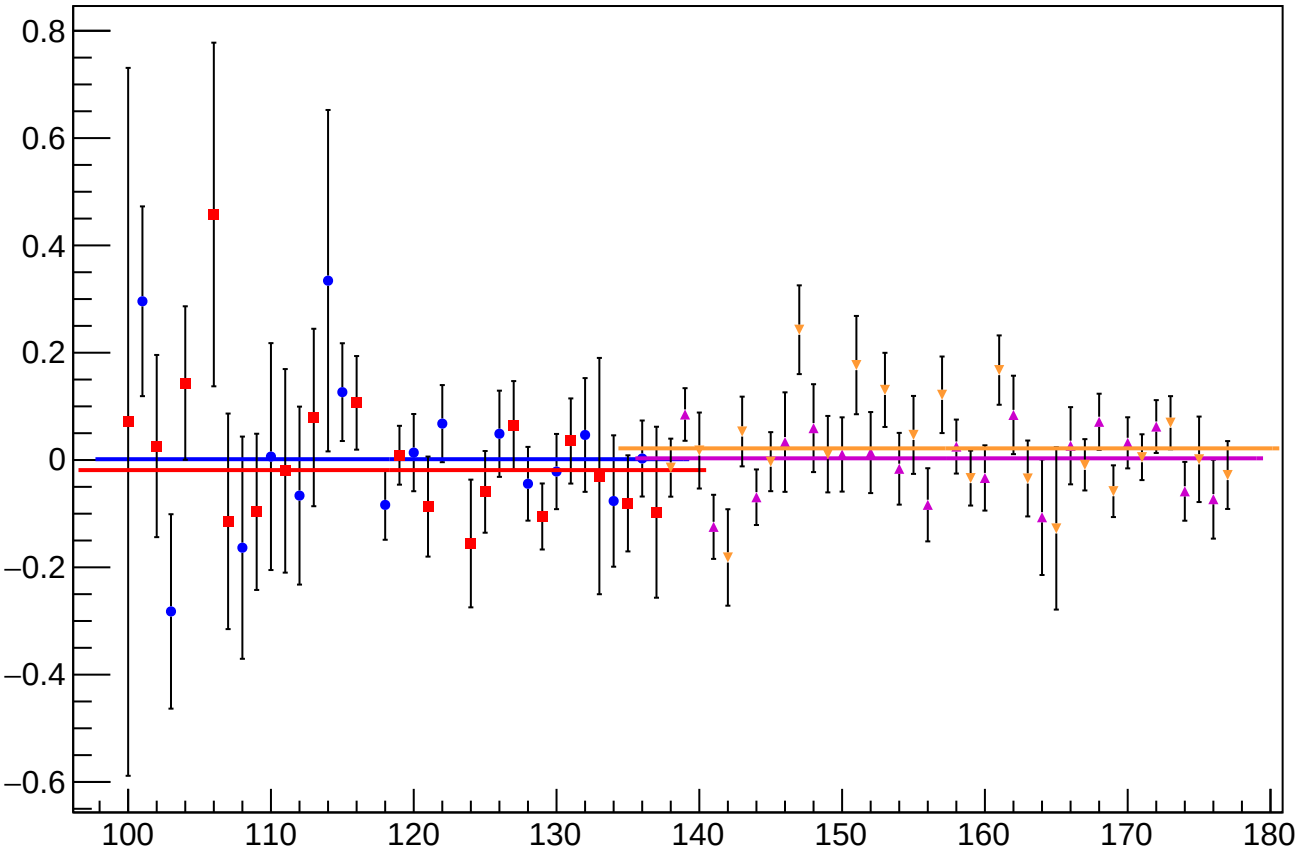
Left: 0.000+/-0.000 χ^2/NDF: 4992302.4/39

Right: 0.000+/-0.000 χ^2/NDF: 6062420.5/34

In: 0.000+/-0.000 χ^2/NDF:6839747.4/34

Out: 0.000+/-0.000 χ^2/NDF:6679983.8/39

All: 0.000+/-0.000 χ^2/NDF: 13554233.6/74



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.022+/-0.014 χ^2/NDF:33.4/20

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.003+/-0.014 χ^2/NDF:20.4/18

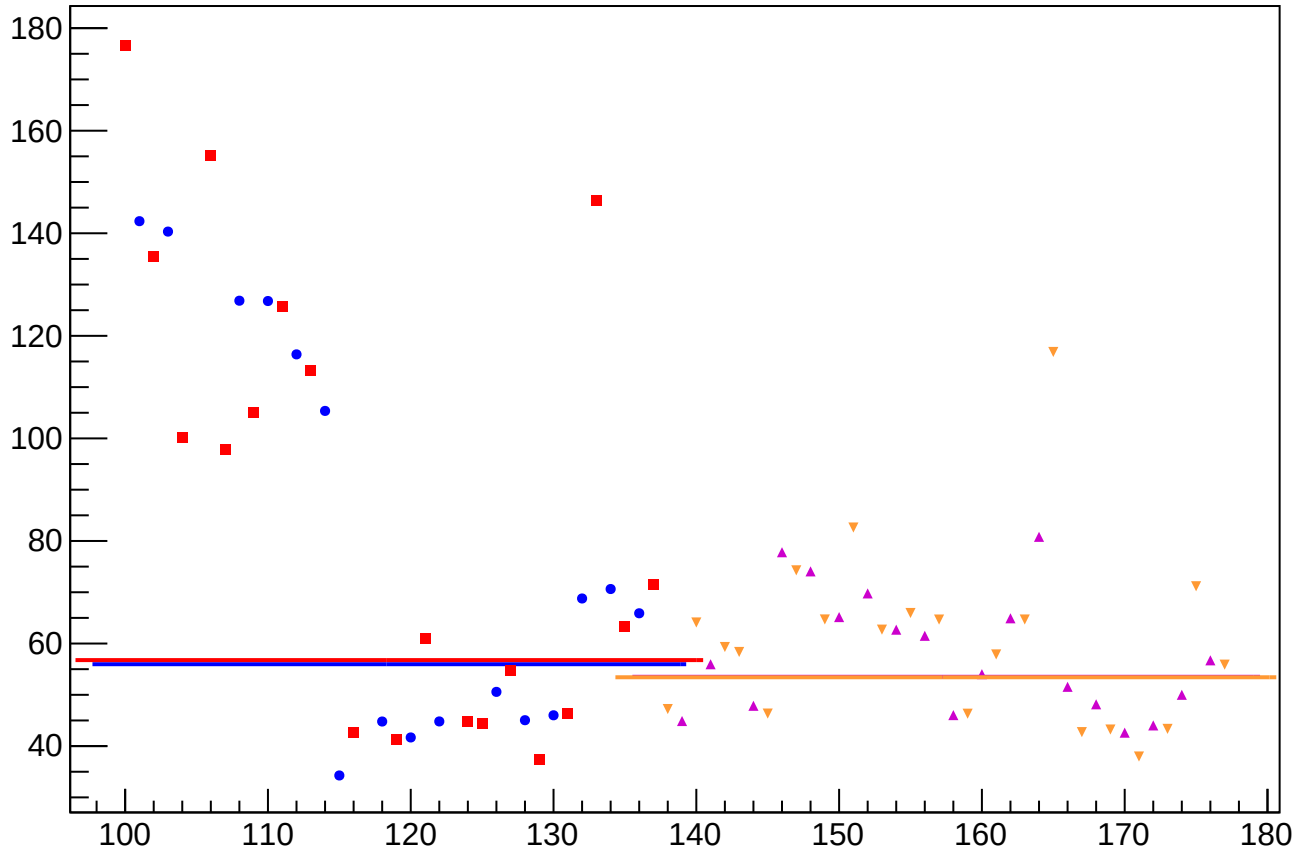
Left: 0.013+/-0.010 χ^2/NDF: 54.7/39

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.003+/-0.012 χ^2/NDF:33.5/34

Out: 0.012+/-0.012 χ^2/NDF:48.7/39

All: 0.007+/-0.008 χ^2/NDF: 82.4/74



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 53.421+/-0.010 χ^2/NDF:1737855.1/20

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 53.514+/-0.010 χ^2/NDF:1001576.7/18

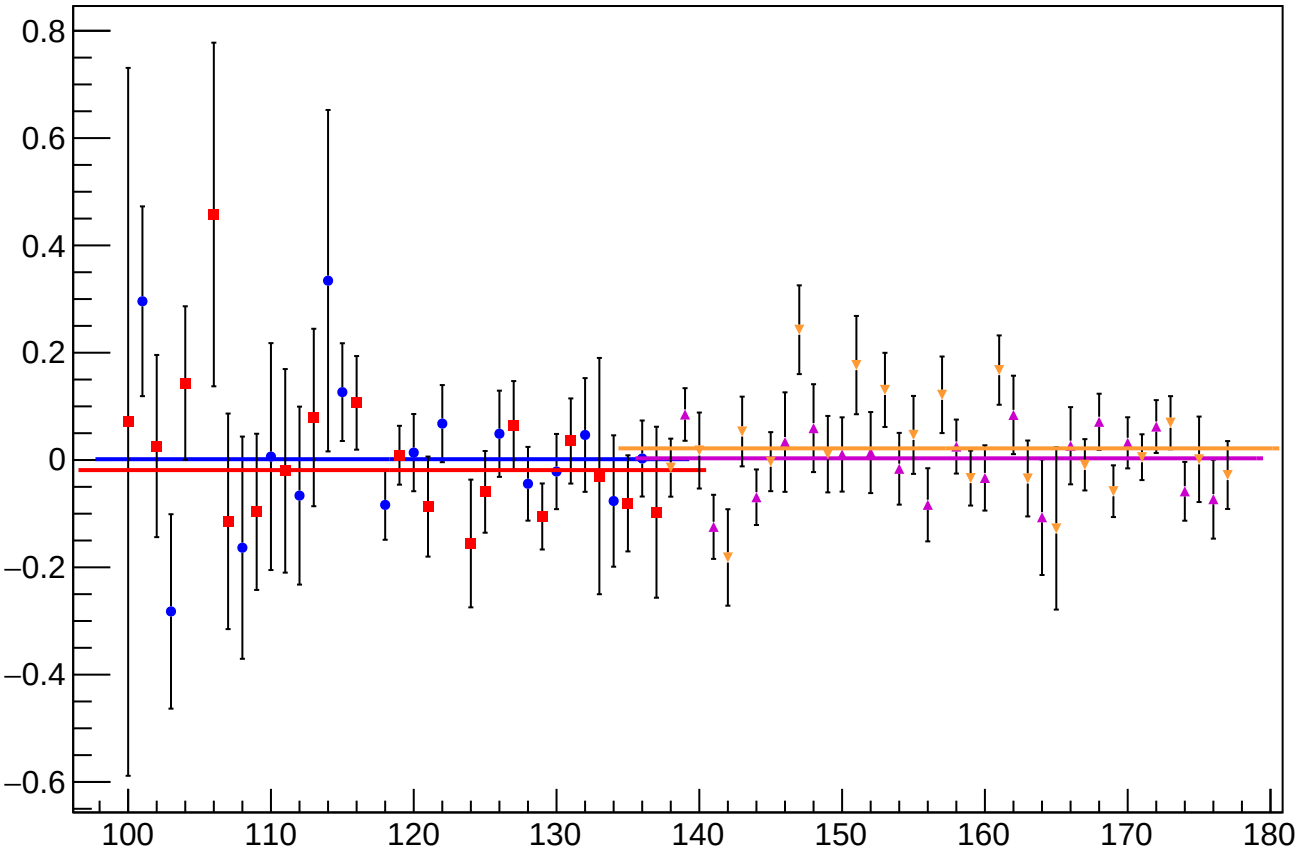
Left: 53.466+/-0.007 χ^2/NDF: 2739476.8/39

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 54.168+/-0.009 χ^2/NDF:3197522.0/34

Out: 54.263+/-0.008 χ^2/NDF:4321448.6/39

All: 54.216+/-0.006 χ^2/NDF: 7519034.4/74



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.022+/-0.014 χ^2/NDF:33.4/20

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.003+/-0.014 χ^2/NDF:20.4/18

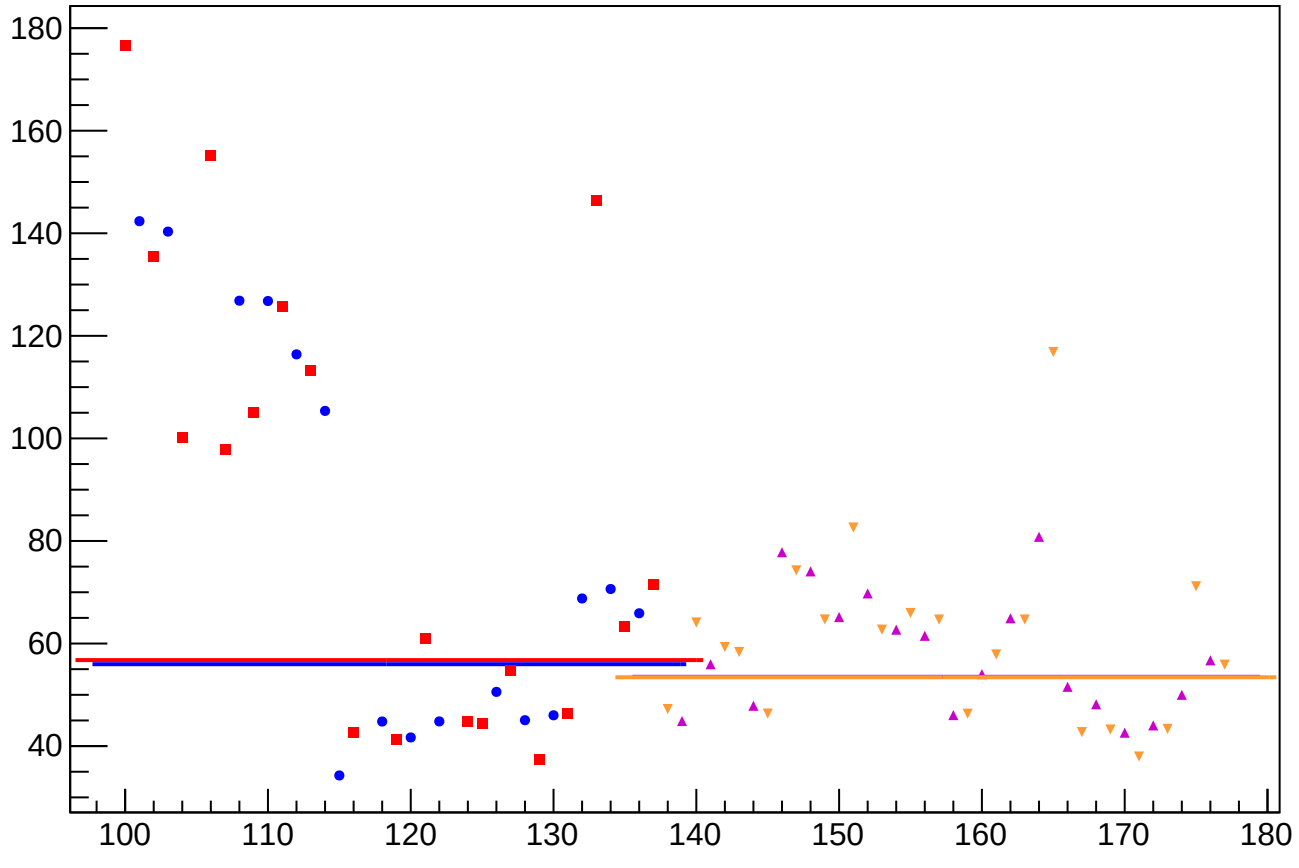
Left: 0.013+/-0.010 χ^2/NDF: 54.7/39

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.003+/-0.012 χ^2/NDF:33.5/34

Out: 0.012+/-0.012 χ^2/NDF:48.7/39

All: 0.007+/-0.008 χ^2/NDF: 82.4/74



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 53.421+/-0.010 χ^2/NDF:1737855.1/20

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 53.514+/-0.010 χ^2/NDF:1001576.7/18

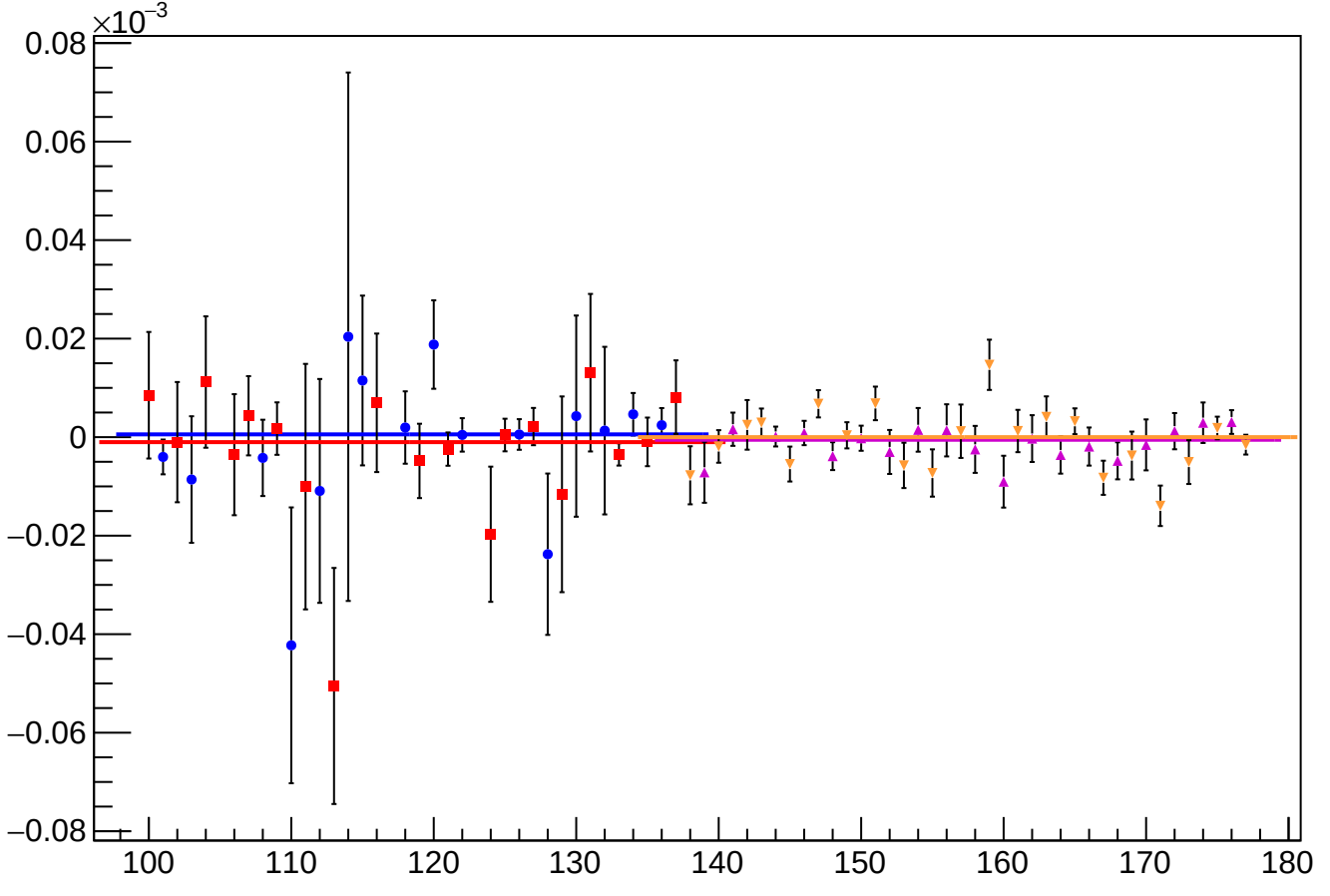
Left: 53.466+/-0.007 χ^2/NDF: 2739476.8/39

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 54.168+/-0.009 χ^2/NDF:3197522.0/34

Out: 54.263+/-0.008 χ^2/NDF:4321448.6/39

All: 54.216+/-0.006 χ^2/NDF: 7519034.4/74



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:50.8/20

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:12.1/18

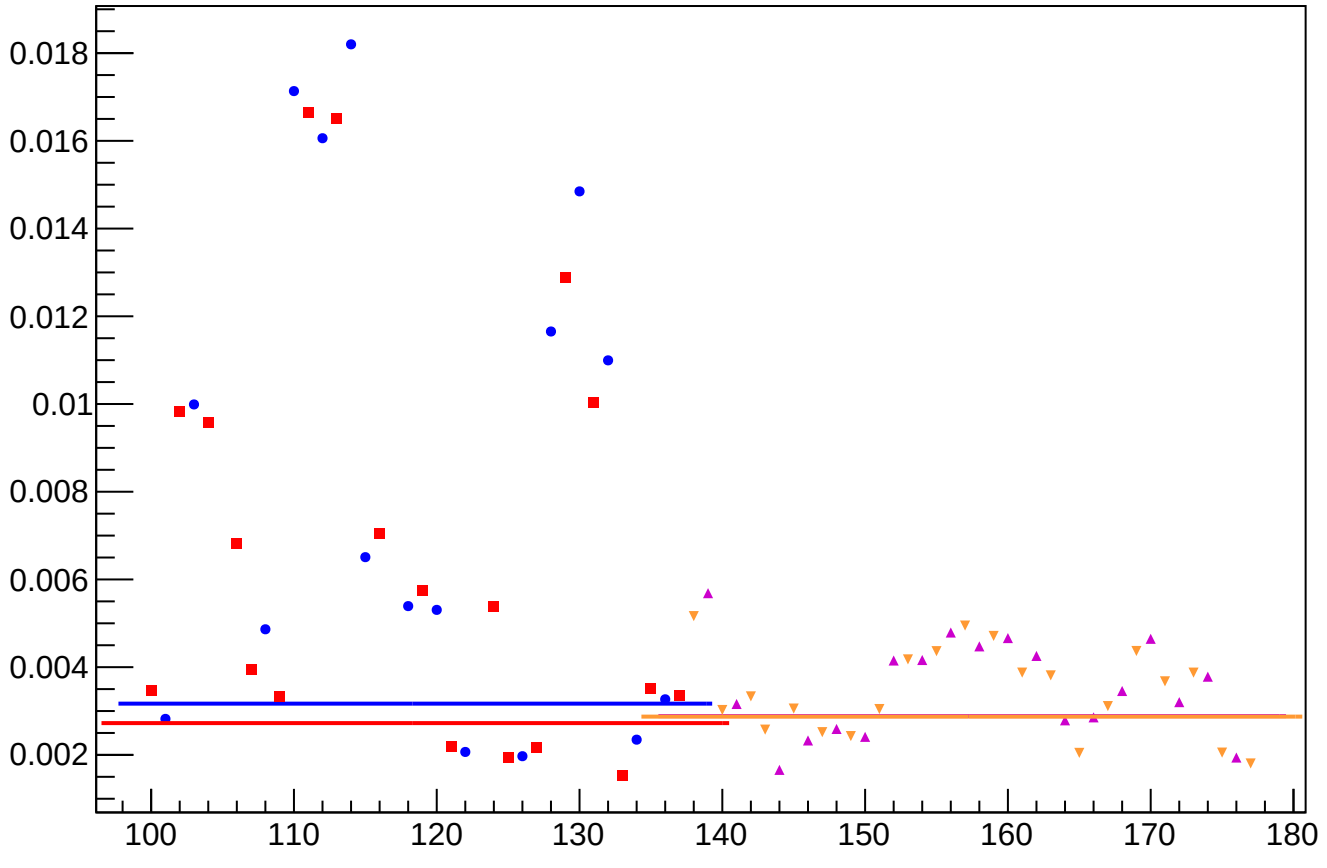
Left: -0.000+/-0.000 χ^2/NDF: 63.2/39

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:25.8/34

Out: -0.000+/-0.000 χ^2/NDF:65.1/39

All: -0.000+/-0.000 χ^2/NDF: 90.9/74



Right In: 0.003+/-0.000 χ^2/NDF: 4545616.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:2957305.7/20

Right Out: 0.003+/-0.000 χ^2/NDF: 5153213.6/18

Left In: 0.003+/-0.000 χ^2/NDF:3256633.0/18

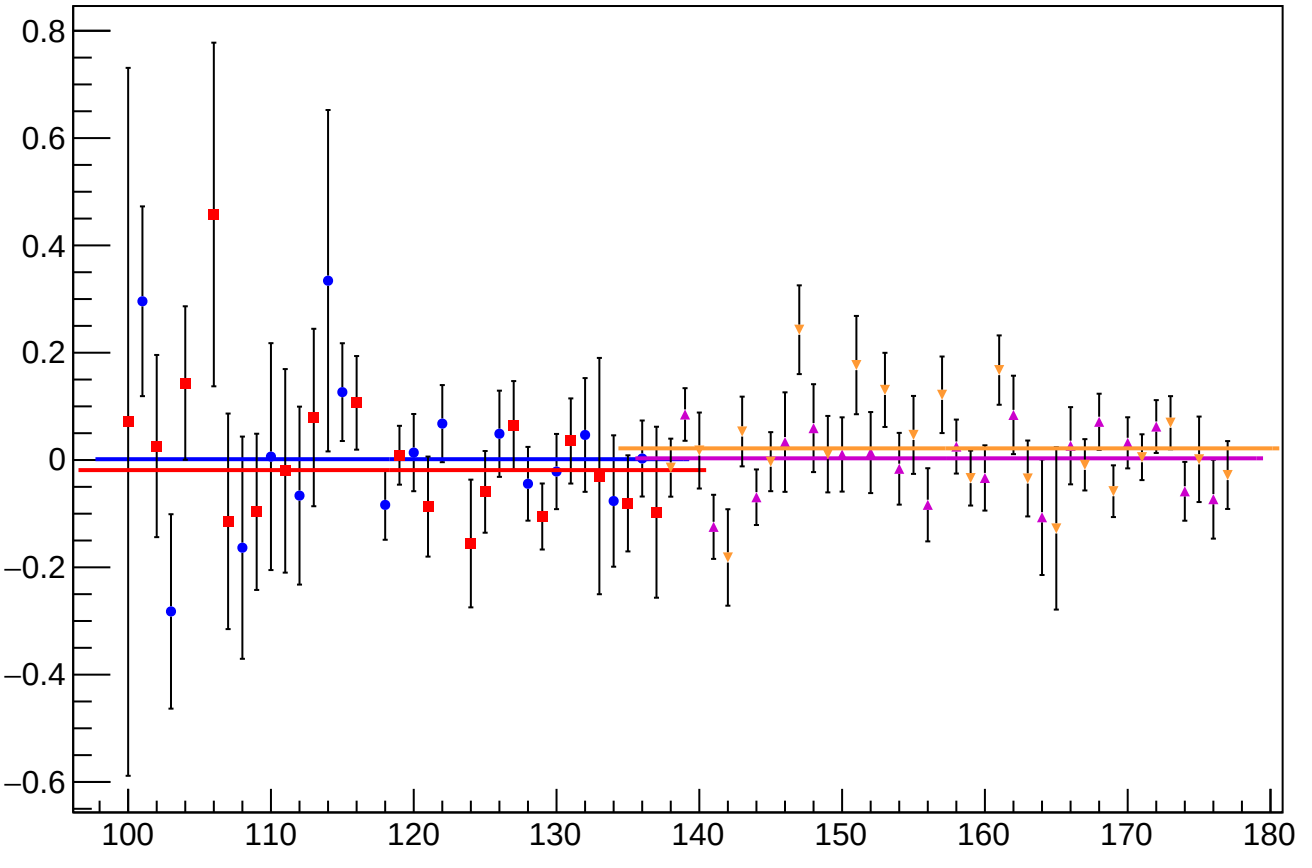
Left: 0.003+/-0.000 χ^2/NDF: 6214161.2/39

Right: 0.003+/-0.000 χ^2/NDF: 9804761.7/34

In: 0.003+/-0.000 χ^2/NDF:7861876.1/34

Out: 0.003+/-0.000 χ^2/NDF:8130628.6/39

All: 0.003+/-0.000 χ^2/NDF: 16021643.9/74



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.022+/-0.014 χ^2/NDF:33.4/20

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.003+/-0.014 χ^2/NDF:20.4/18

Left: 0.013+/-0.010 χ^2/NDF: 54.7/39

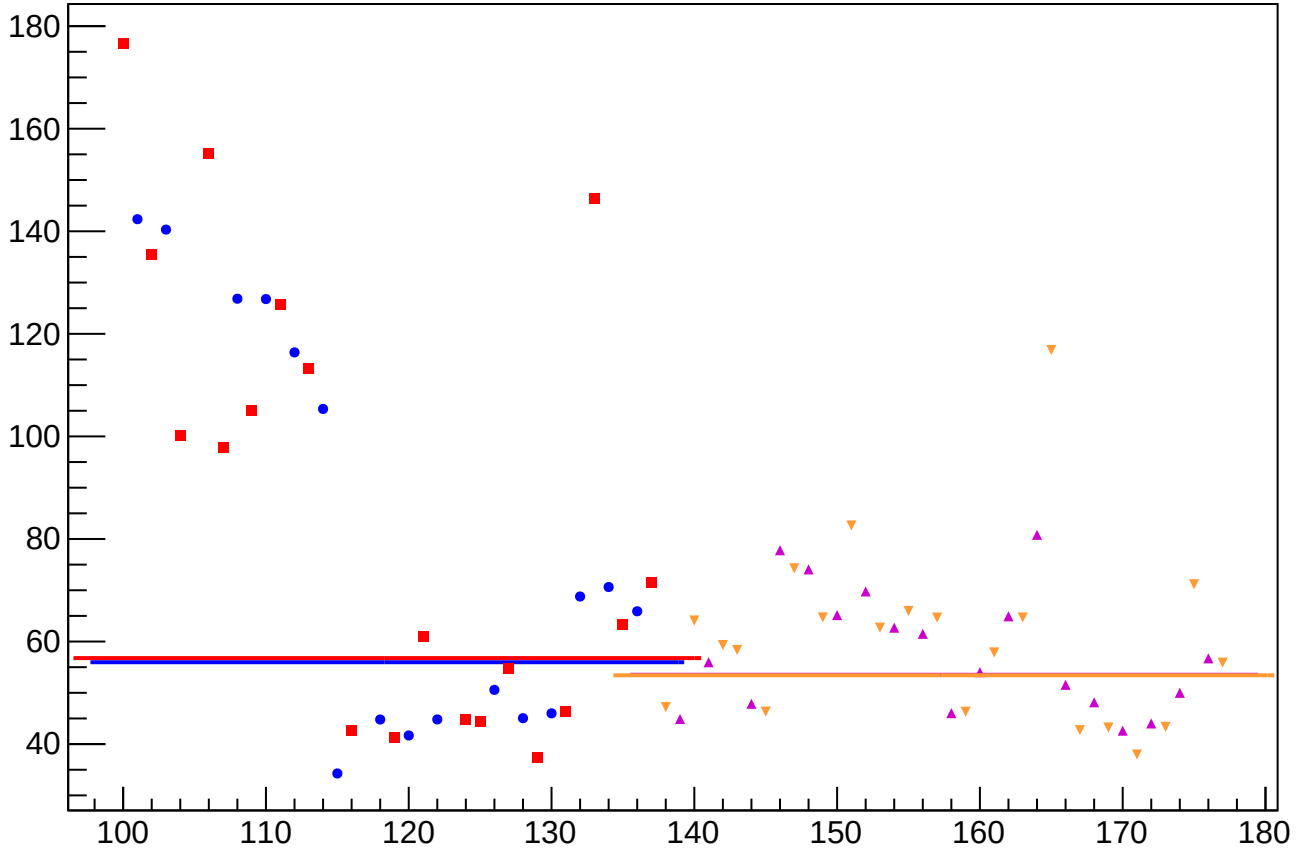
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.003+/-0.012 χ^2/NDF:33.5/34

Out: 0.012+/-0.012 χ^2/NDF:48.7/39

All: 0.007+/-0.008 χ^2/NDF: 82.4/74

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: 53.422+/-0.010 χ^2/NDF:1737839.1/20

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 53.515+/-0.010 χ^2/NDF:1001551.9/18

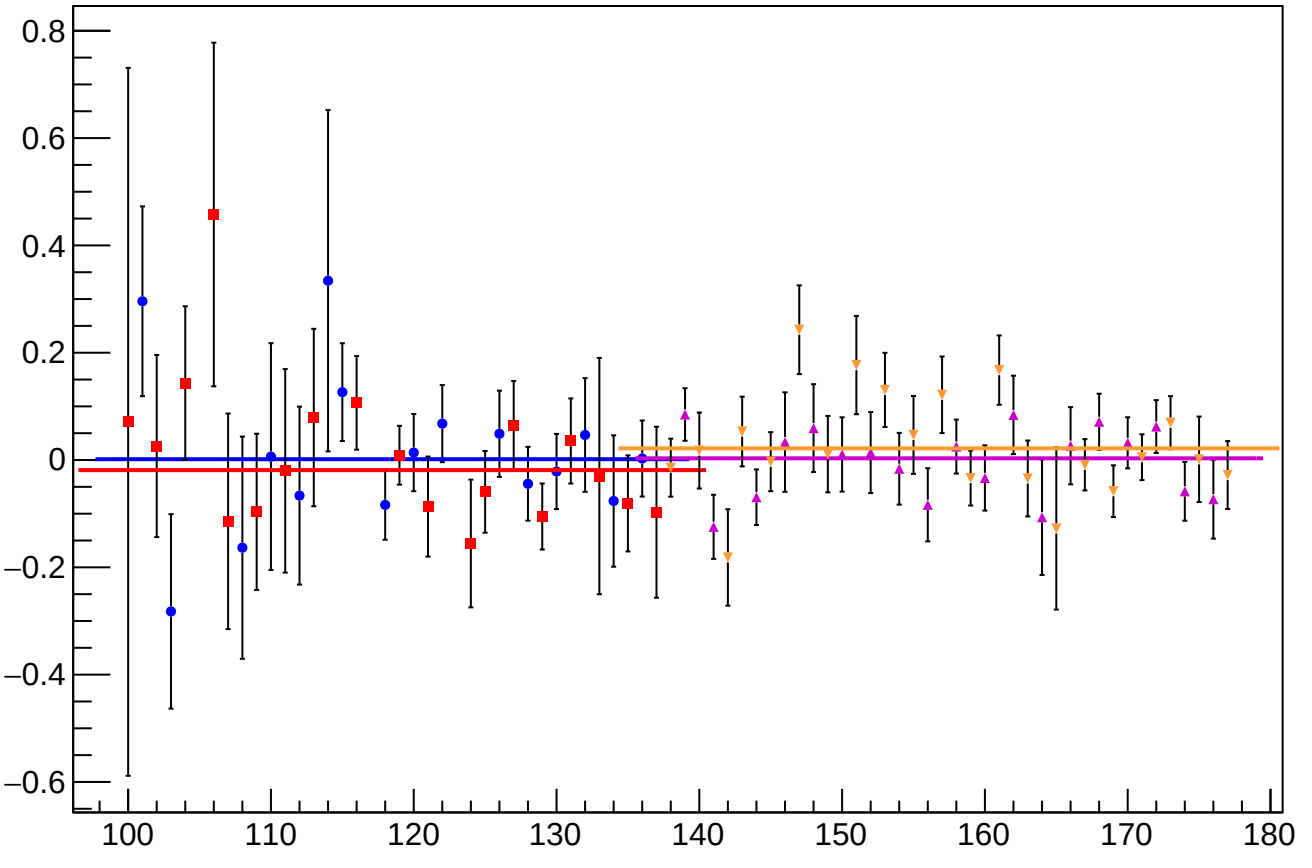
Left: 53.467+/-0.007 χ^2/NDF: 2739436.2/39

Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 54.168+/-0.009 χ^2/NDF:3197413.2/34

Out: 54.263+/-0.008 χ^2/NDF:4321360.6/39

All: 54.217+/-0.006 χ^2/NDF: 7518837.2/74



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.022+/-0.014 χ^2/NDF:33.4/20

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.003+/-0.014 χ^2/NDF:20.4/18

Left: 0.013+/-0.010 χ^2/NDF: 54.7/39

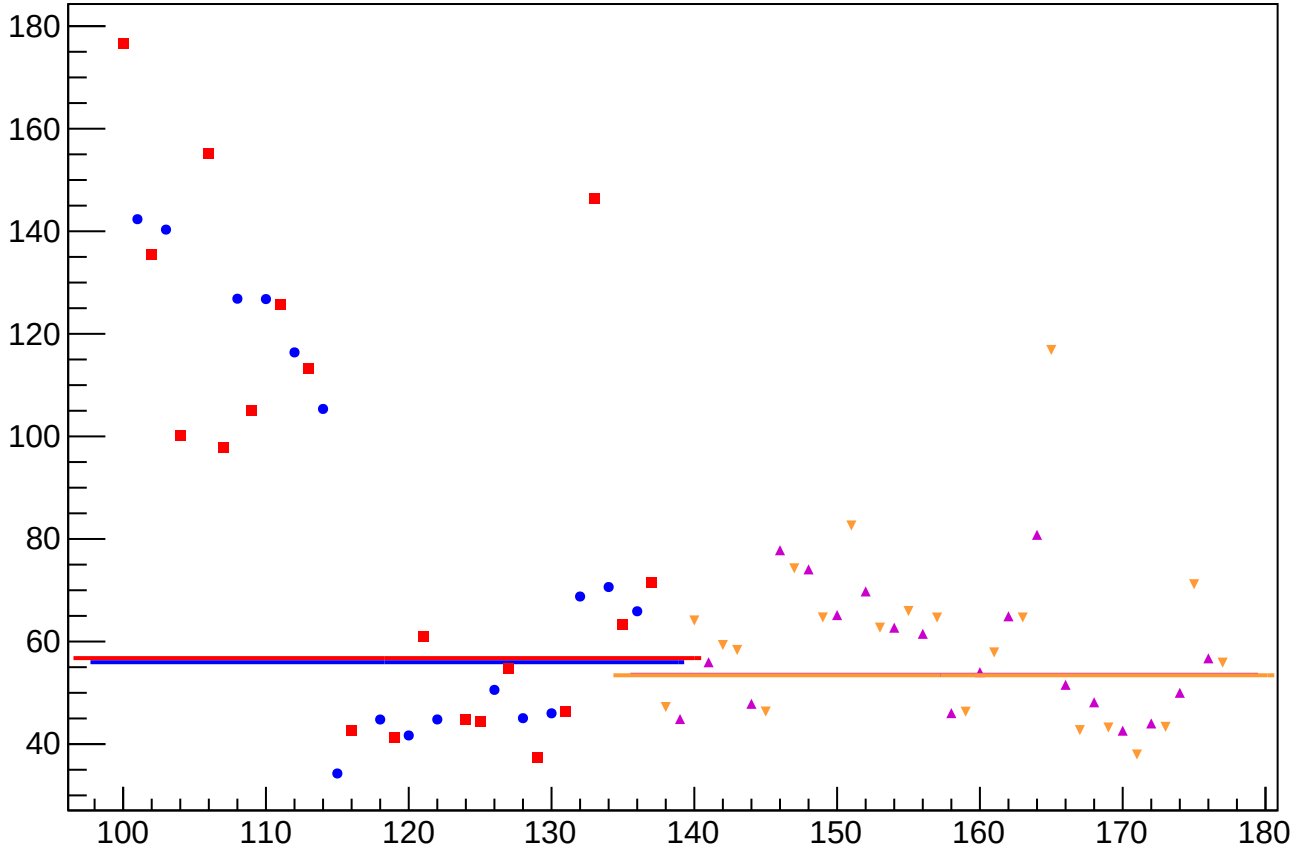
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.003+/-0.012 χ^2/NDF:33.5/34

Out: 0.012+/-0.012 χ^2/NDF:48.7/39

All: 0.007+/-0.008 χ^2/NDF: 82.4/74

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: 53.422+/-0.010 χ^2/NDF:1737839.1/20

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 53.515+/-0.010 χ^2/NDF:1001551.9/18

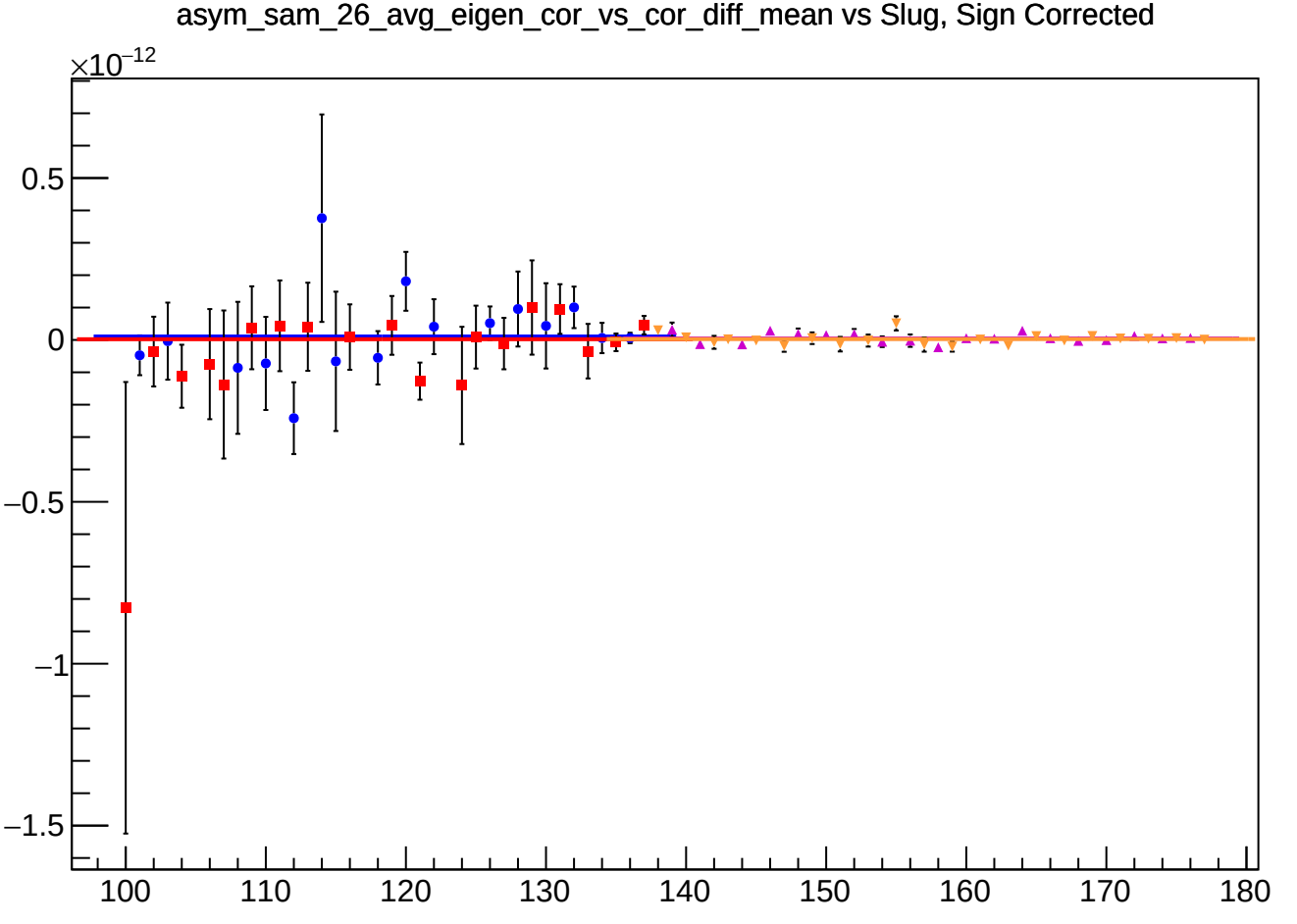
Left: 53.467+/-0.007 χ^2/NDF: 2739436.2/39

Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 54.168+/-0.009 χ^2/NDF:3197413.2/34

Out: 54.263+/-0.008 χ^2/NDF:4321360.6/39

All: 54.217+/-0.006 χ^2/NDF: 7518837.2/74



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:29.5/18

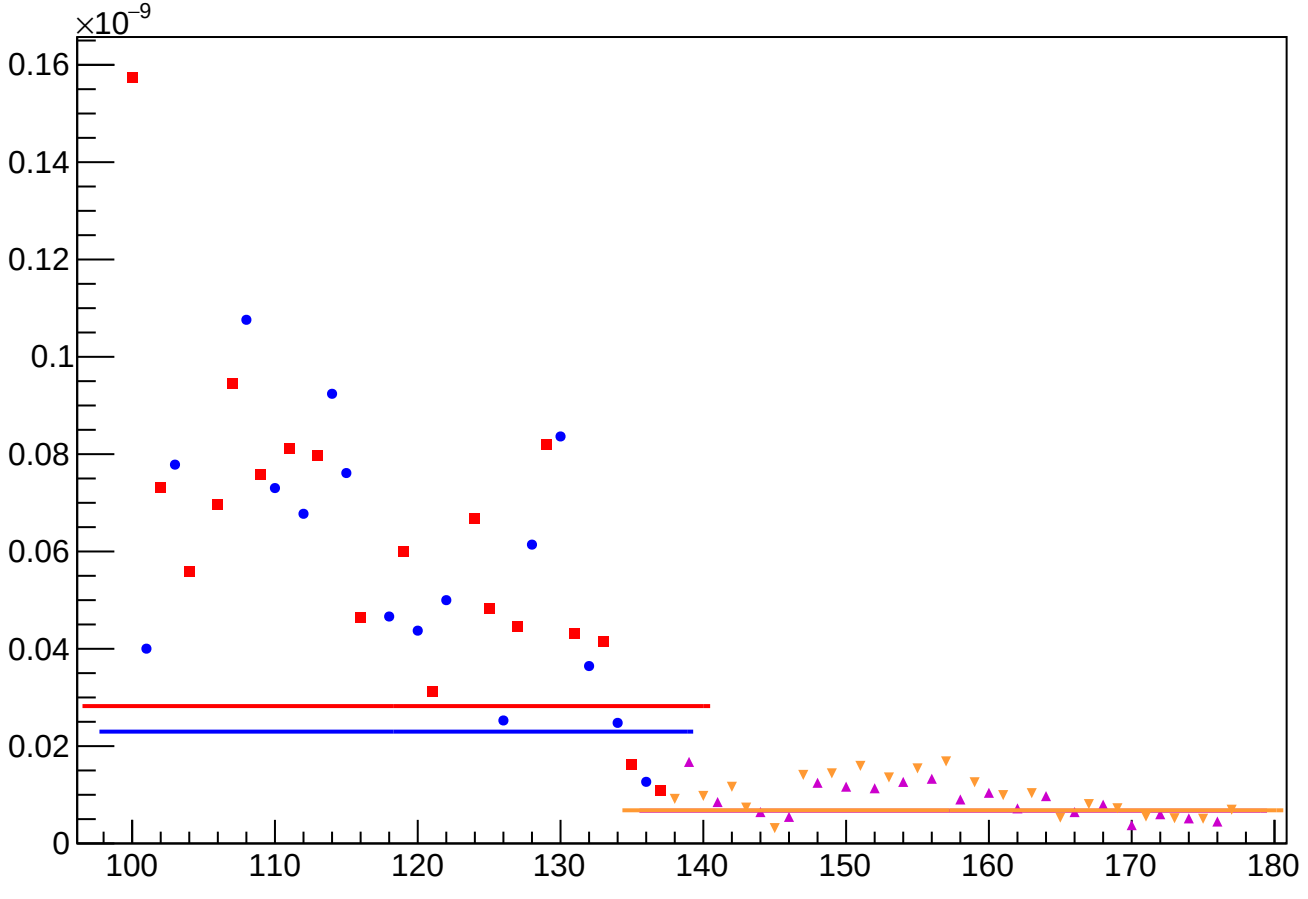
Left: 0.000+/-0.000 χ^2/NDF: 49.6/39

Right: 0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:45.4/34

Out: 0.000+/-0.000 χ^2/NDF:34.1/39

All: 0.000+/-0.000 χ^2/NDF: 79.8/74



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:4226511.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

Left In: 0.000+/-0.000 χ^2/NDF:2808978.9/18

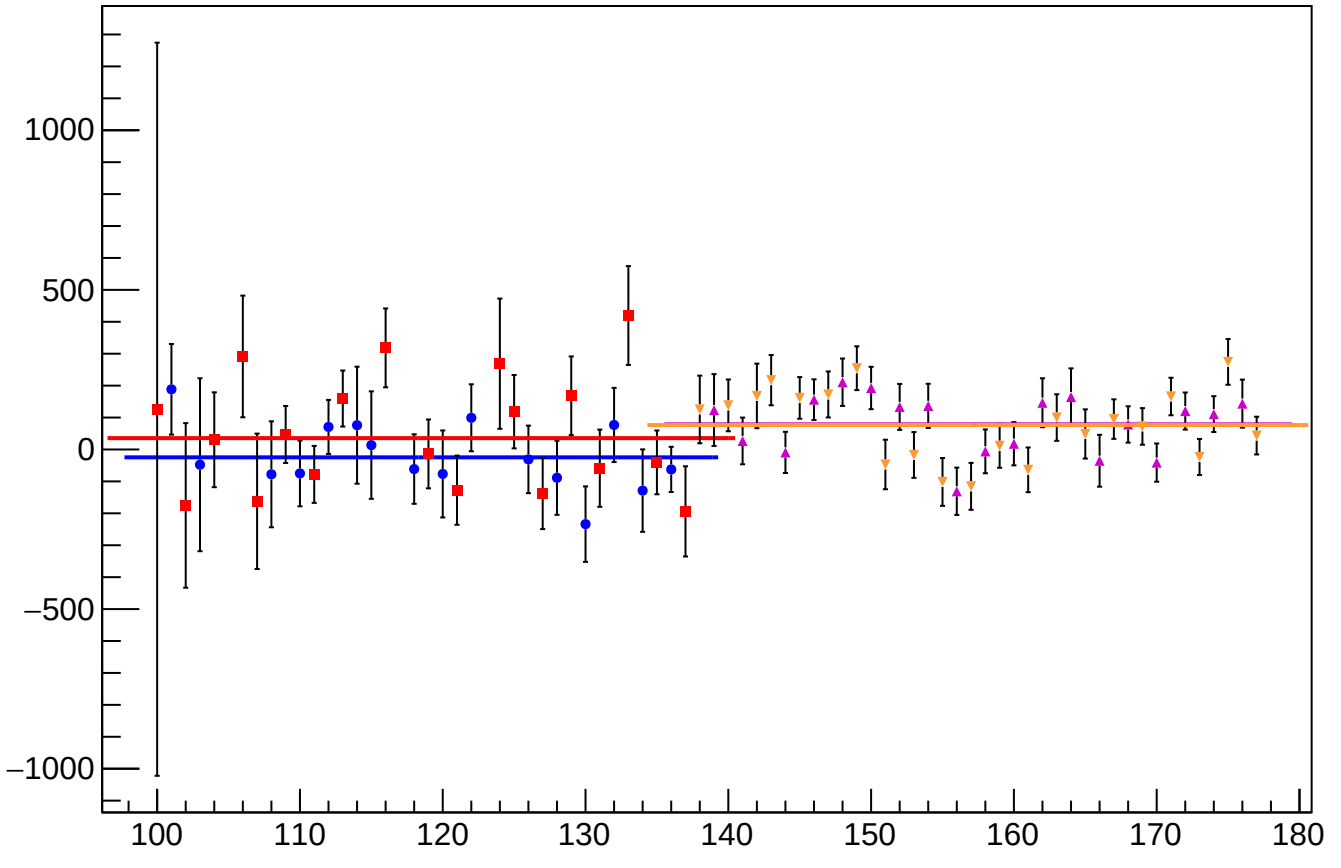
Left: 0.000+/-0.000 χ^2/NDF: 7036870.2/39

Right: 0.000+/-0.000 χ^2/NDF: 7687404.1/34

In: 0.000+/-0.000 χ^2/NDF:9589590.2/34

Out: 0.000+/-0.000 χ^2/NDF:11784235.1/39

All: 0.000+/-0.000 χ^2/NDF: 21374089.2/74



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 76.533+/-15.273 χ^2/NDF:50.4/20

Right Out: 35.582+/-28.454 χ^2/NDF: 30.1/18

Left In: 78.742+/-15.815 χ^2/NDF:30.9/18

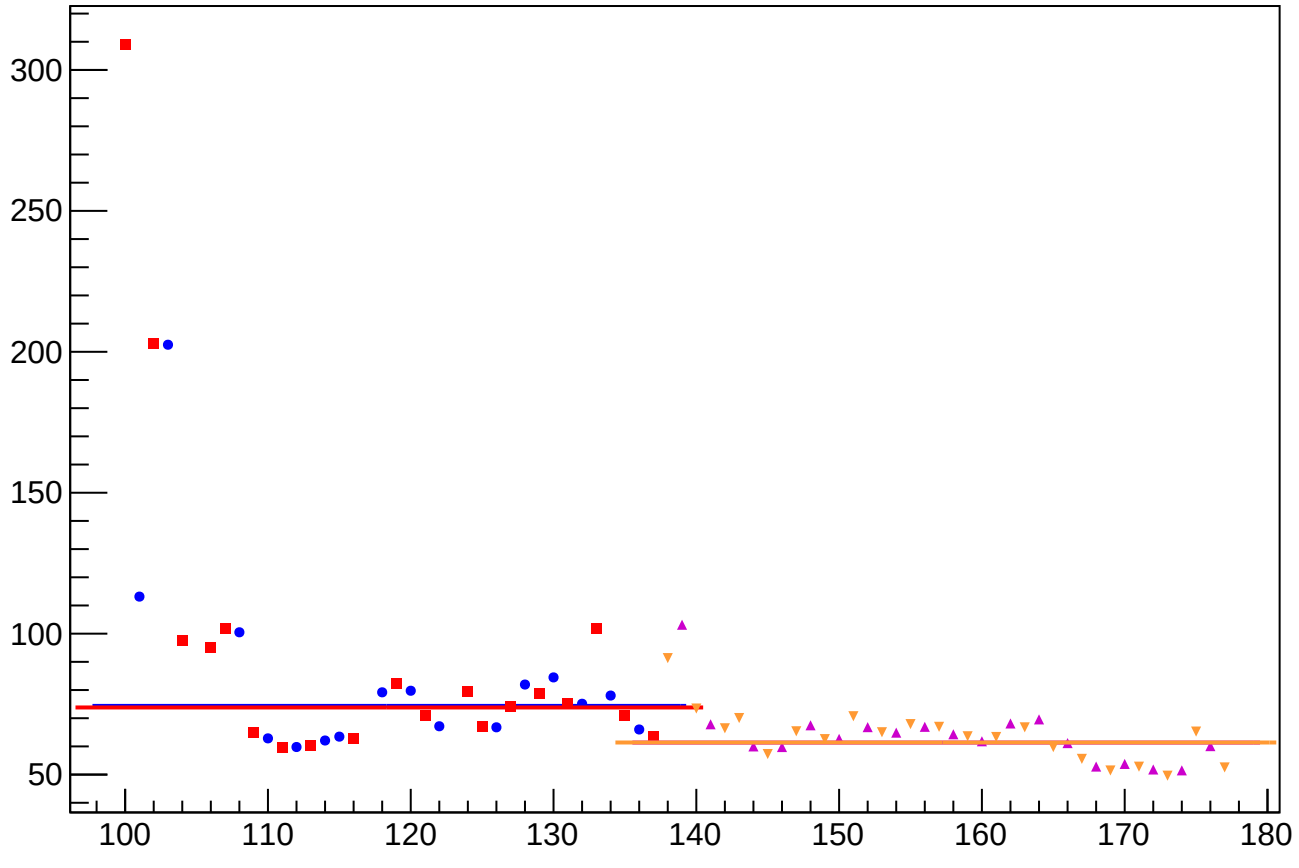
Left: 77.599+/-10.986 χ^2/NDF: 81.3/39

Right: 5.956+/-20.280 χ^2/NDF: 43.3/34

In: 54.935+/-13.875 χ^2/NDF:51.8/34

Out: 67.373+/-13.457 χ^2/NDF:82.1/39

All: 61.344+/-9.660 χ^2/NDF: 134.3/74



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 61.387+/-0.011 χ^2/NDF:581585.2/20

Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 61.358+/-0.011 χ^2/NDF:565595.6/18

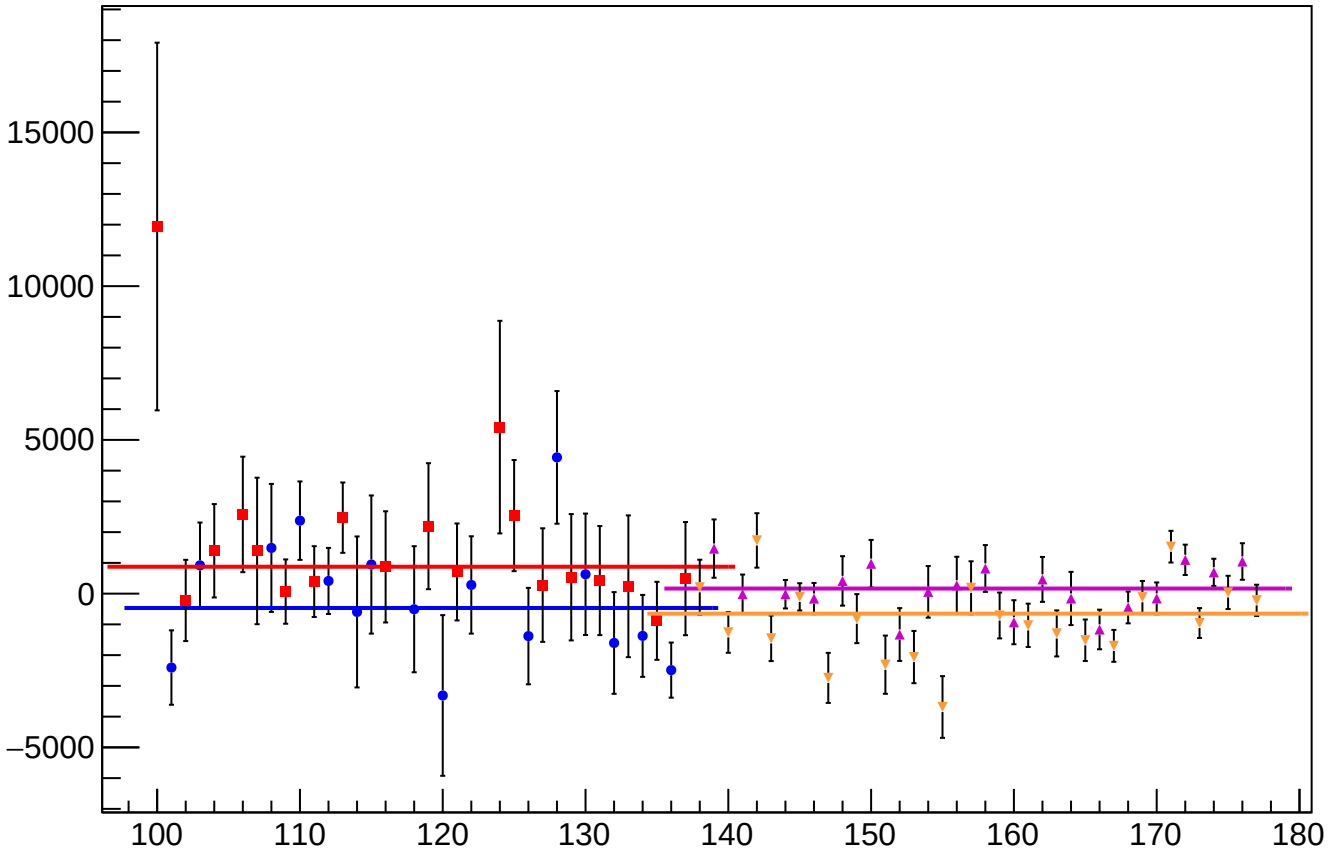
Left: 61.373+/-0.008 χ^2/NDF: 1147184.2/39

Right: 74.088+/-0.014 χ^2/NDF: 1759905.2/34

In: 64.355+/-0.010 χ^2/NDF:1704899.9/34

Out: 64.167+/-0.010 χ^2/NDF:1809730.0/39

All: 64.258+/-0.007 χ^2/NDF: 3514819.3/74



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -651.137+/-141.409 χ^2/NDF:62.7/20

Right Out: 875.351+/-372.239 χ^2/NDF: 13.1/18

Left In: 165.381+/-144.197 χ^2/NDF:23.4/18

Left: -250.847+/-100.962 χ^2/NDF: 102.4/39

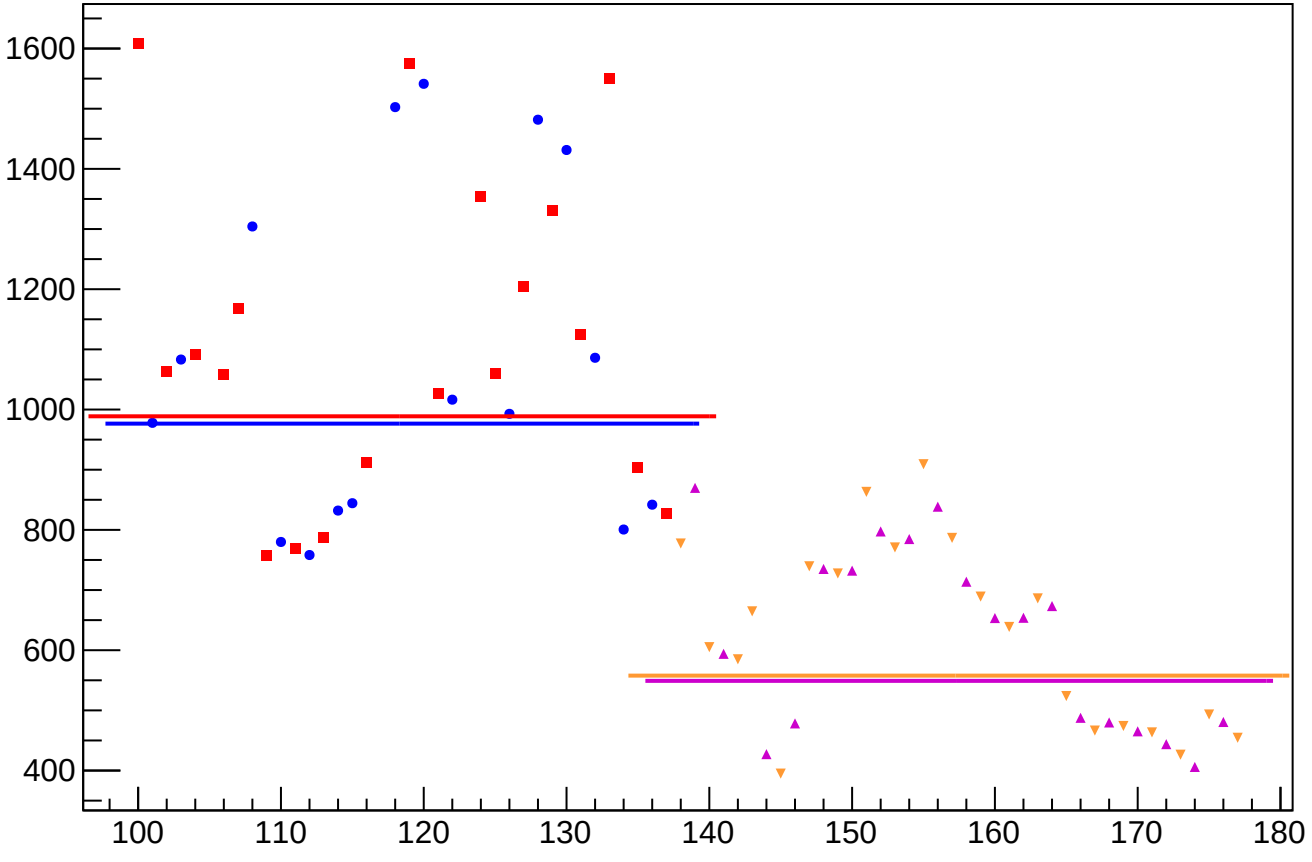
Right: 209.426+/-264.194 χ^2/NDF: 43.2/34

In: 83.995+/-134.591 χ^2/NDF:49.6/34

Out: -458.624+/-132.192 χ^2/NDF:90.4/39

All: -192.194+/-94.310 χ^2/NDF: 148.3/74

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: 557.771+/-0.100 χ^2/NDF:1942755.9/20

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

Left In: 549.064+/-0.102 χ^2/NDF:1806328.9/18

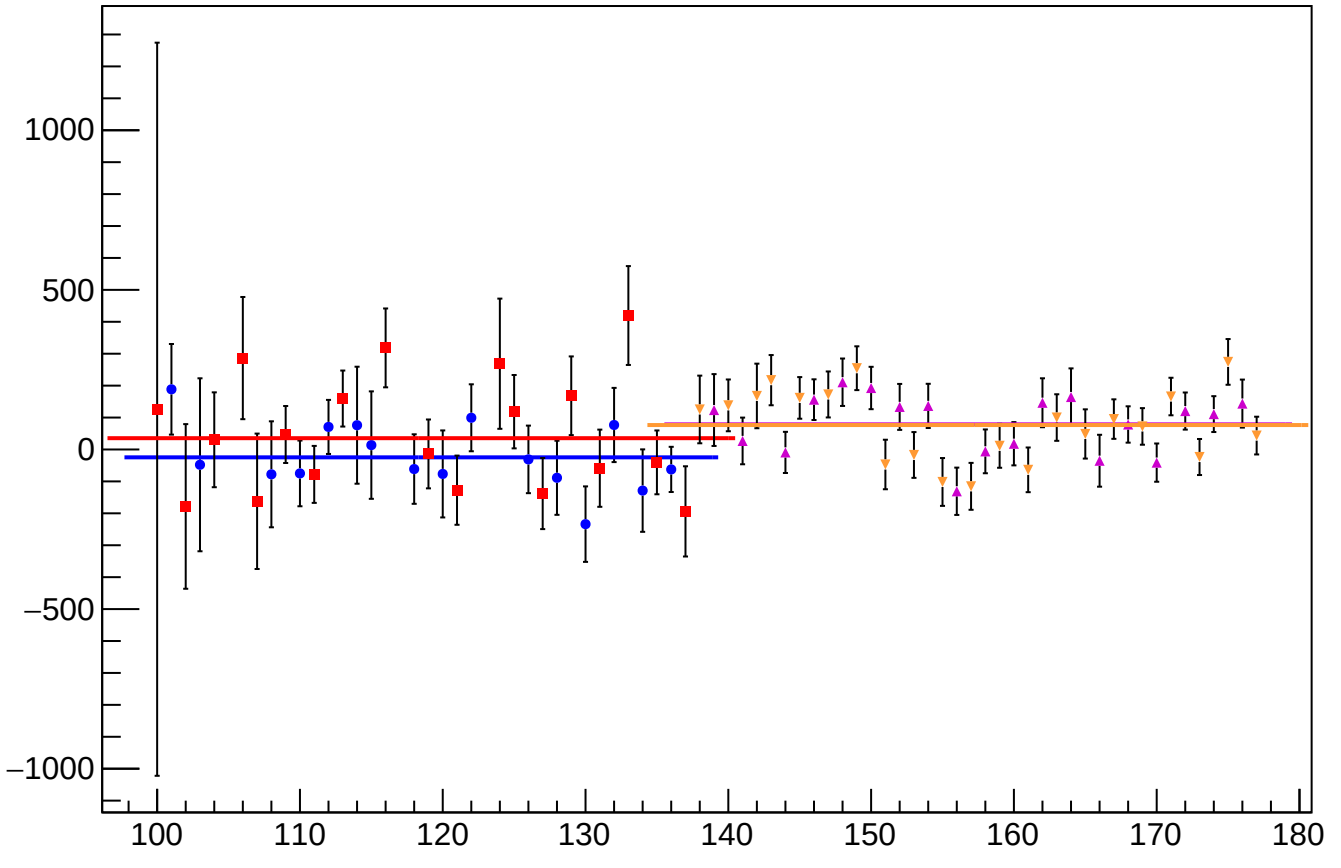
Left: 553.503+/-0.071 χ^2/NDF: 3752802.2/39

Right: 982.718+/-0.187 χ^2/NDF: 1453371.3/34

In: 604.126+/-0.095 χ^2/NDF:4807200.7/34

Out: 612.126+/-0.093 χ^2/NDF:5001496.6/39

All: 608.198+/-0.067 χ^2/NDF: 9812293.4/74



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 76.536+/-15.273 χ^2/NDF:50.4/20

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 78.741+/-15.815 χ^2/NDF:30.9/18

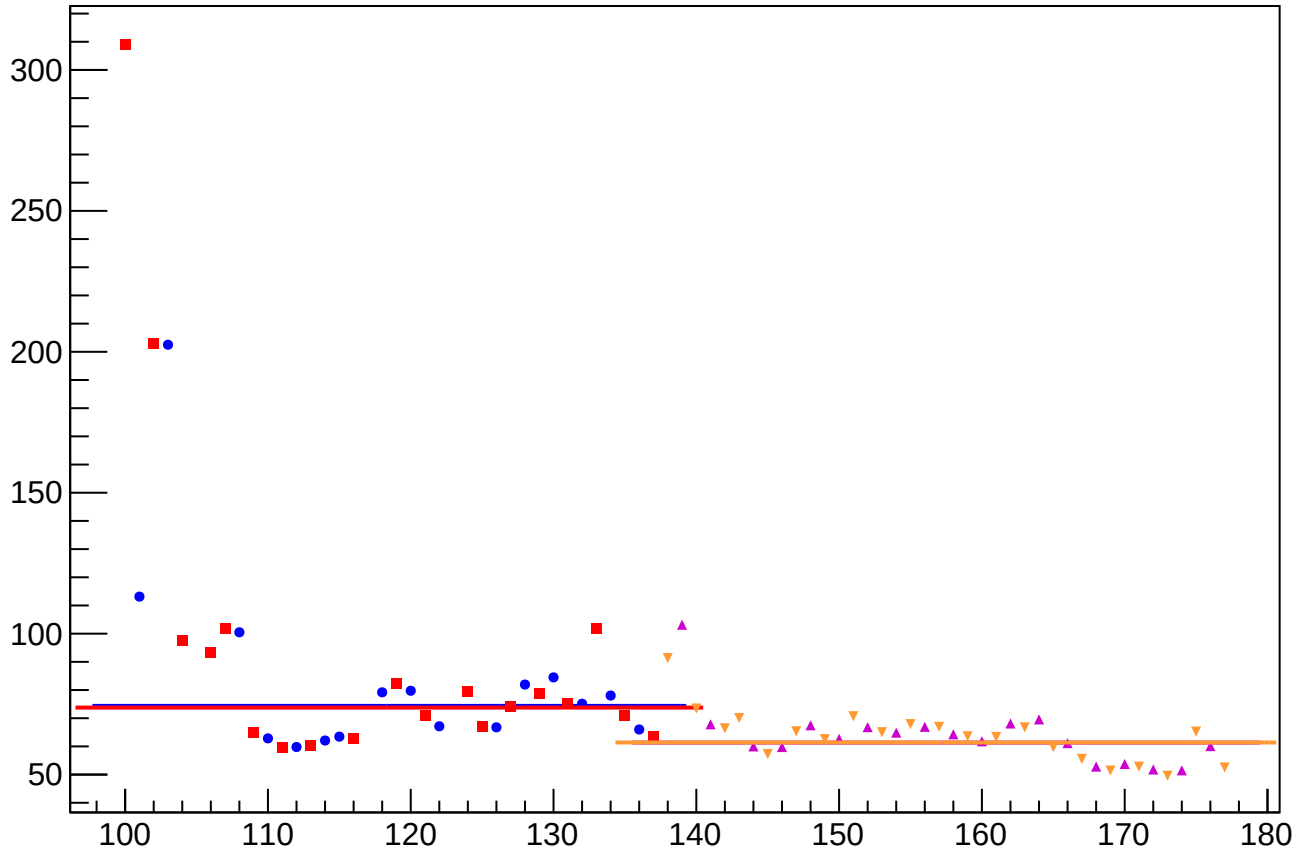
Left: 77.600+/-10.986 χ^2/NDF: 81.3/39

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 54.932+/-13.875 χ^2/NDF:51.8/34

Out: 67.332+/-13.458 χ^2/NDF:82.0/39

All: 61.322+/-9.660 χ^2/NDF: 134.2/74



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 61.387+/-0.011 χ^2/NDF:581585.2/20

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 61.358+/-0.011 χ^2/NDF:565595.6/18

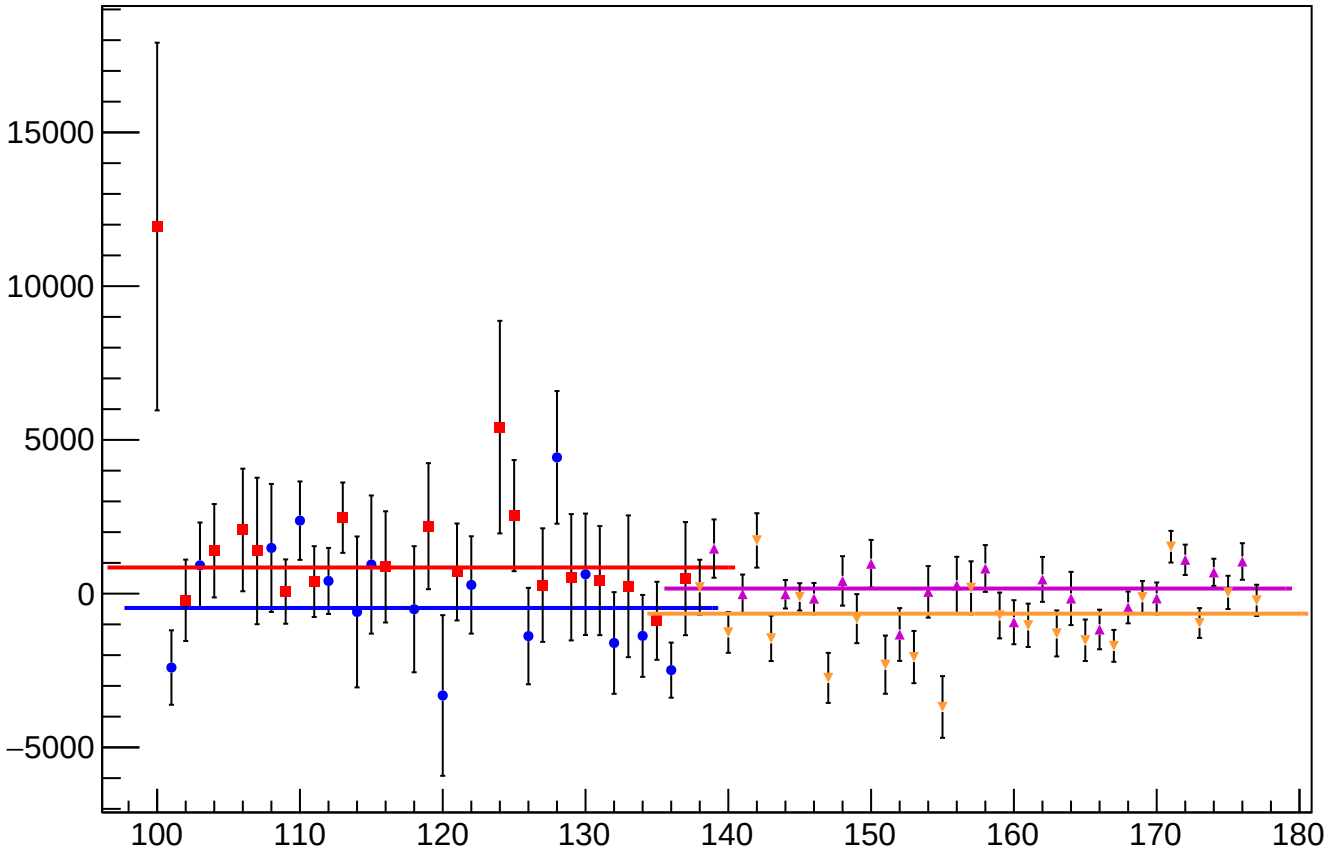
Left: 61.373+/-0.008 χ^2/NDF: 1147184.2/39

Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 64.355+/-0.010 χ^2/NDF:1704901.7/34

Out: 64.157+/-0.010 χ^2/NDF:1803906.6/39

All: 64.253+/-0.007 χ^2/NDF: 3509018.0/74



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -651.133+/-141.409 χ^2/NDF:62.7/20

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 165.380+/-144.197 χ^2/NDF:23.4/18

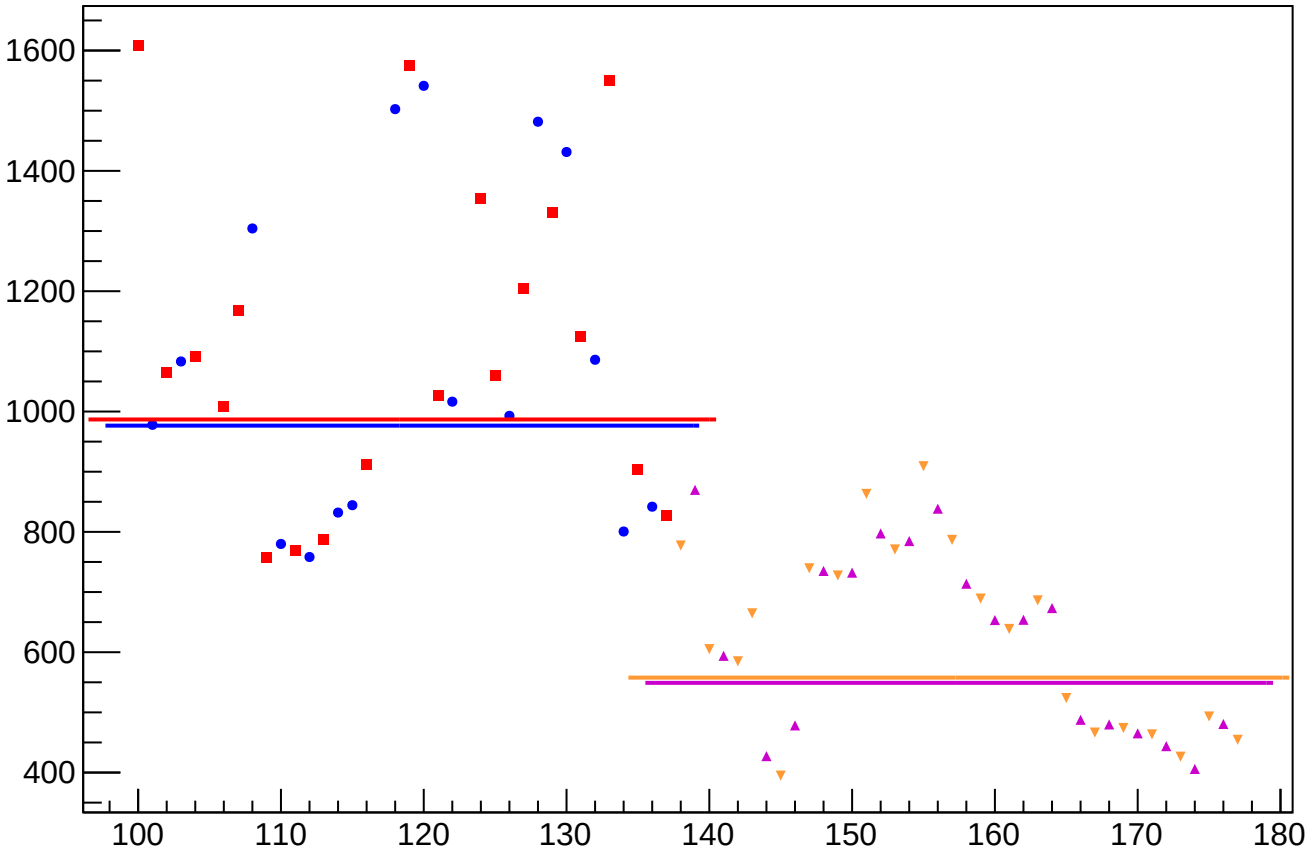
Left: -250.845+/-100.962 χ^2/NDF: 102.4/39

Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: 83.997+/-134.591 χ^2/NDF:49.6/34

Out: -462.480+/-132.230 χ^2/NDF:89.4/39

All: -194.077+/-94.324 χ^2/NDF: 147.4/74



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 557.771+/-0.100 χ^2/NDF:1942757.9/20

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 549.064+/-0.102 χ^2/NDF:1806330.2/18

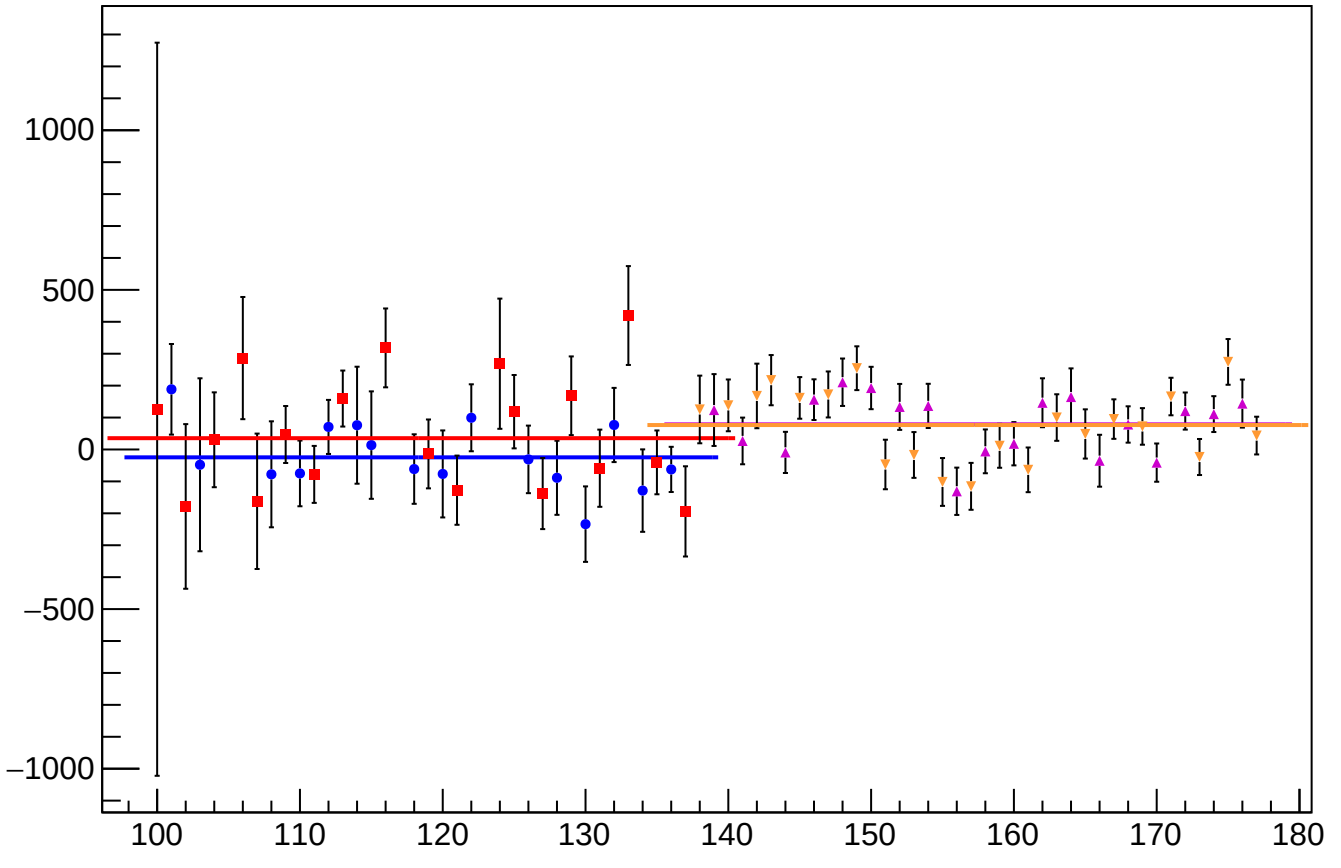
Left: 553.503+/-0.071 χ^2/NDF: 3752805.3/39

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 604.126+/-0.095 χ^2/NDF:4807260.8/34

Out: 611.665+/-0.094 χ^2/NDF:4968793.8/39

All: 607.962+/-0.067 χ^2/NDF: 9779247.0/74



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 76.536+/-15.273 χ^2/NDF:50.4/20

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 78.741+/-15.815 χ^2/NDF:30.9/18

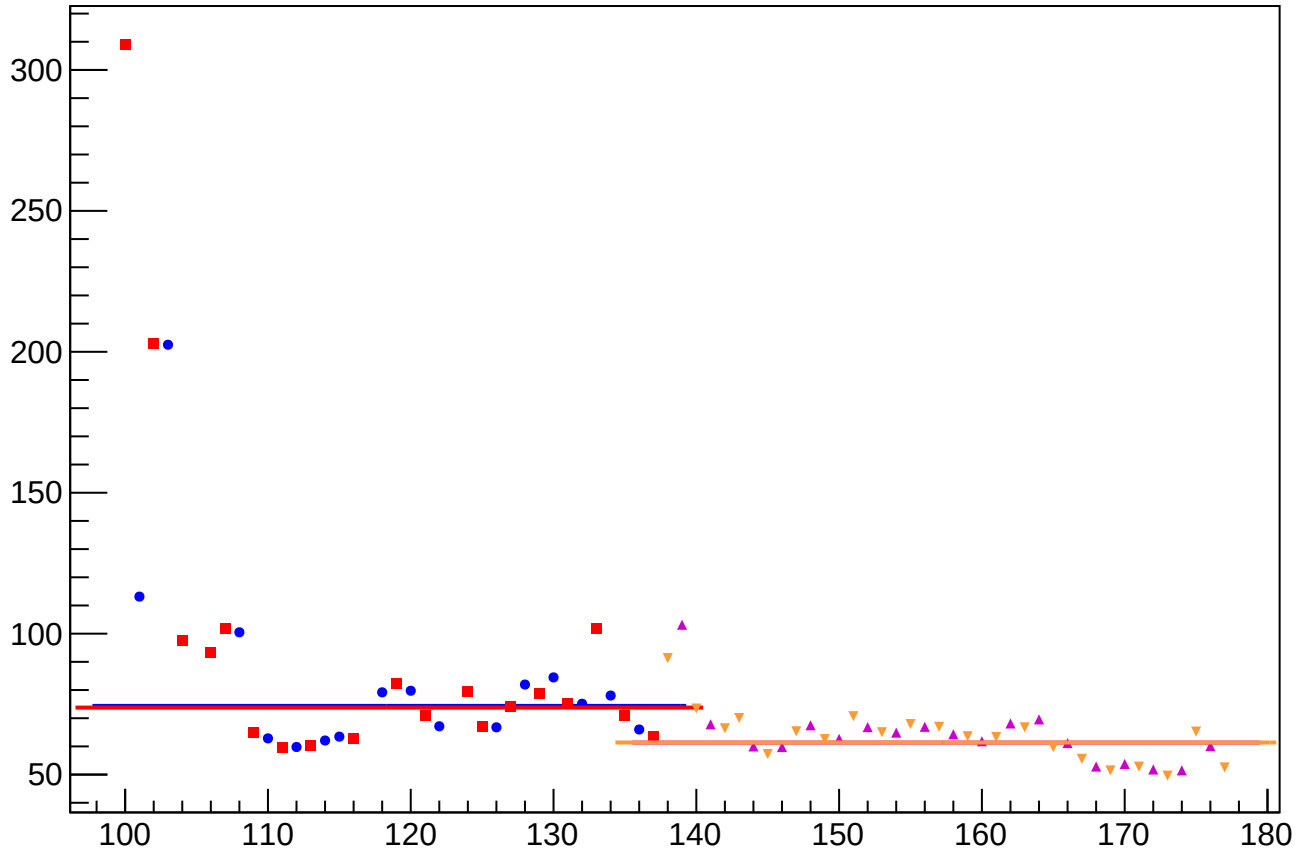
Left: 77.600+/-10.986 χ^2/NDF: 81.3/39

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 54.932+/-13.875 χ^2/NDF:51.8/34

Out: 67.332+/-13.458 χ^2/NDF:82.0/39

All: 61.322+/-9.660 χ^2/NDF: 134.2/74



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 61.387+/-0.011 χ^2/NDF:581585.2/20

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 61.358+/-0.011 χ^2/NDF:565595.6/18

Left: 61.373+/-0.008 χ^2/NDF: 1147184.2/39

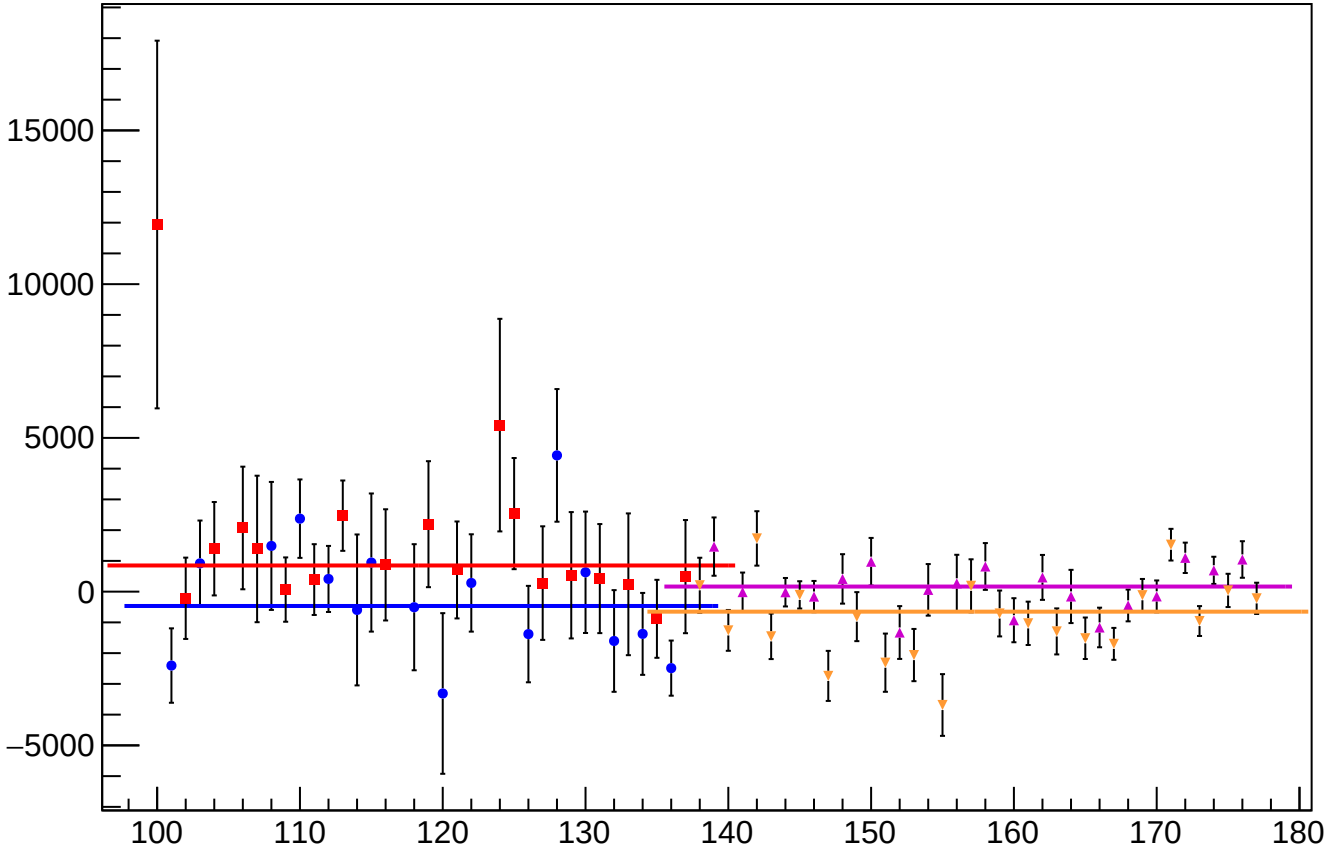
Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 64.355+/-0.010 χ^2/NDF:1704901.7/34

Out: 64.157+/-0.010 χ^2/NDF:1803906.6/39

All: 64.253+/-0.007 χ^2/NDF: 3509018.0/74

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: -651.133+/-141.409 χ^2/NDF:62.7/20

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 165.380+/-144.197 χ^2/NDF:23.4/18

Left: -250.845+/-100.962 χ^2/NDF: 102.4/39

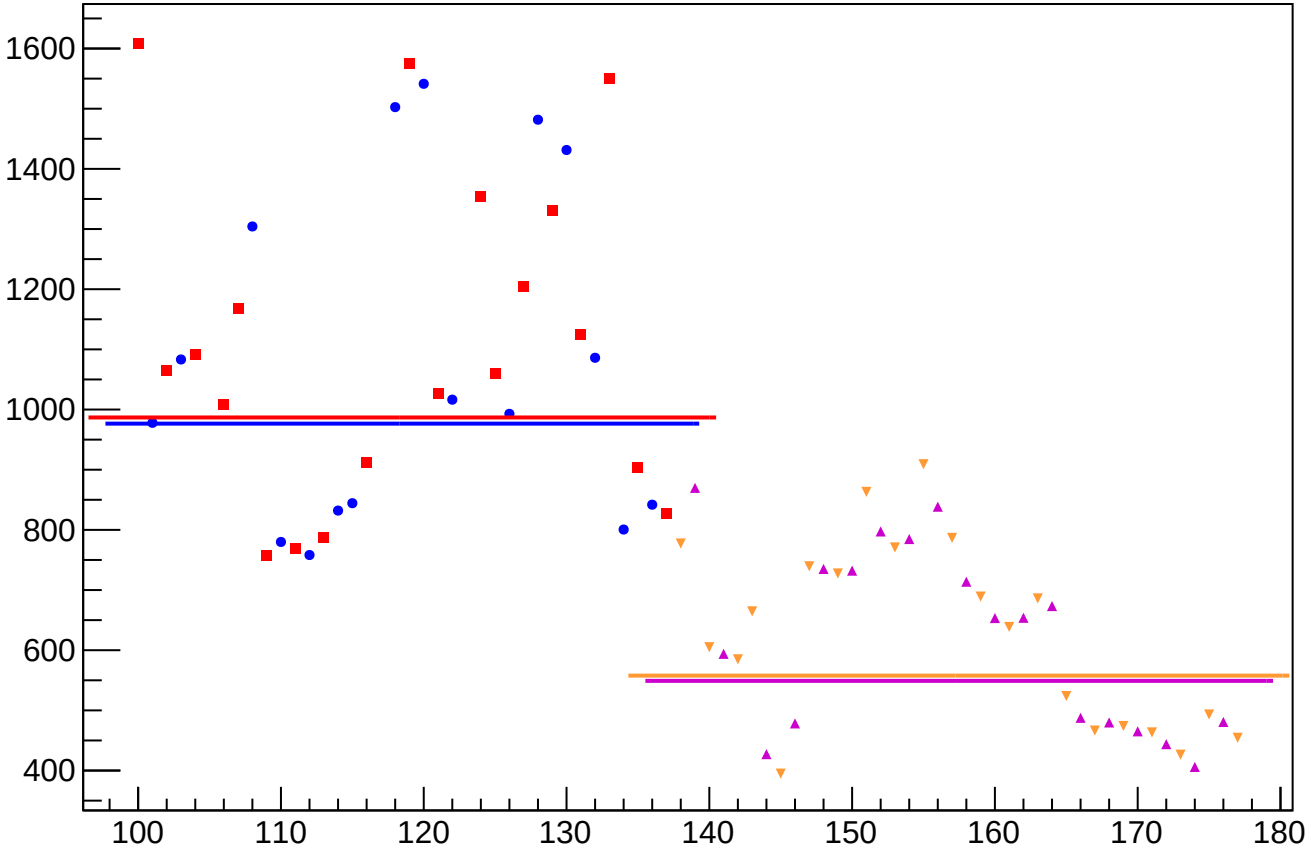
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: 83.997+/-134.591 χ^2/NDF:49.6/34

Out: -462.480+/-132.230 χ^2/NDF:89.4/39

All: -194.077+/-94.324 χ^2/NDF: 147.4/74

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: 557.771+/-0.100 χ^2/NDF:1942757.9/20

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 549.064+/-0.102 χ^2/NDF:1806330.2/18

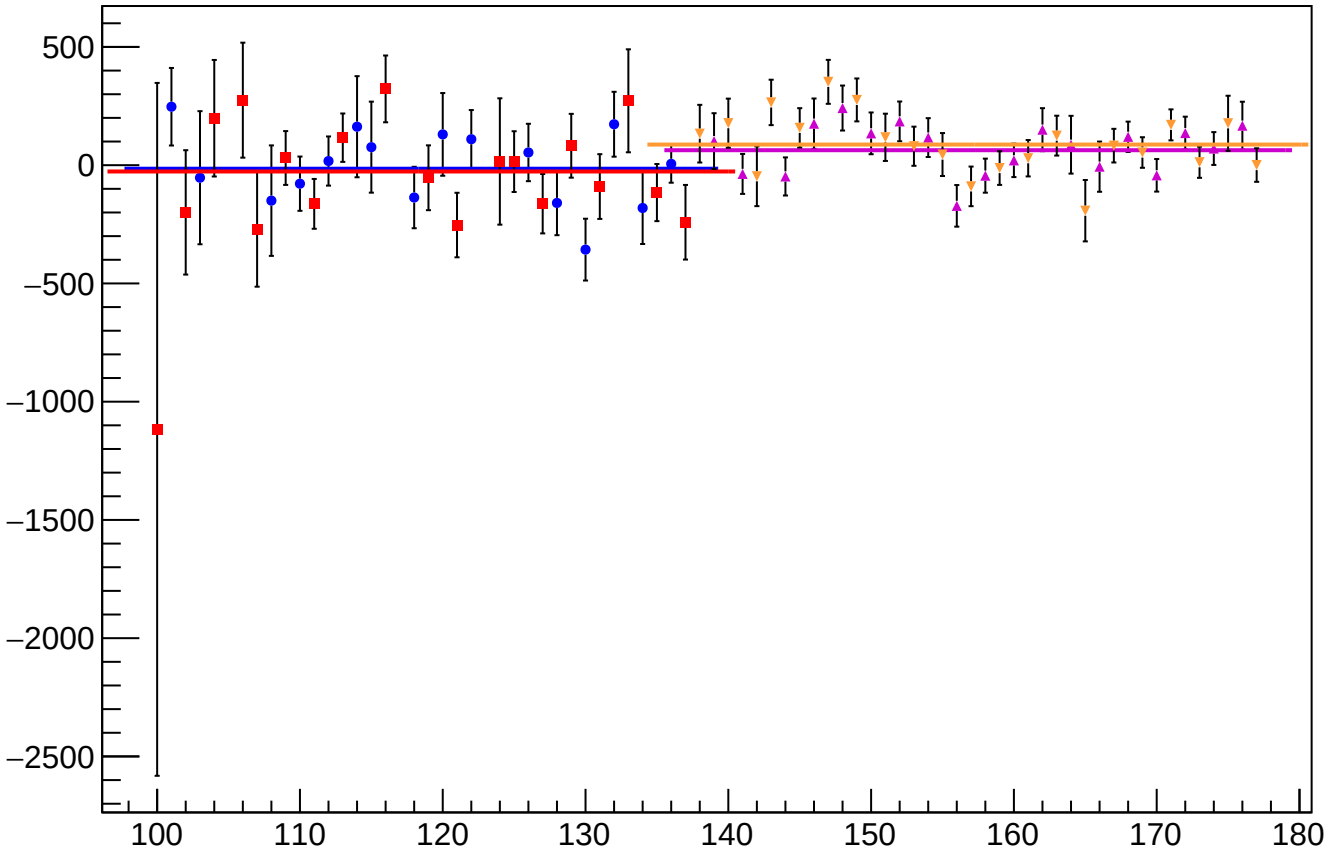
Left: 553.503+/-0.071 χ^2/NDF: 3752805.3/39

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 604.126+/-0.095 χ^2/NDF:4807260.8/34

Out: 611.665+/-0.094 χ^2/NDF:4968793.8/39

All: 607.962+/-0.067 χ^2/NDF: 9779247.0/74



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 87.168+/-18.373 χ^2/NDF:36.1/20

Right Out: -26.654+/-34.073 χ^2/NDF: 23.6/18

Left In: 63.298+/-19.067 χ^2/NDF:27.7/18

Left: 75.675+/-13.230 χ^2/NDF: 64.6/39

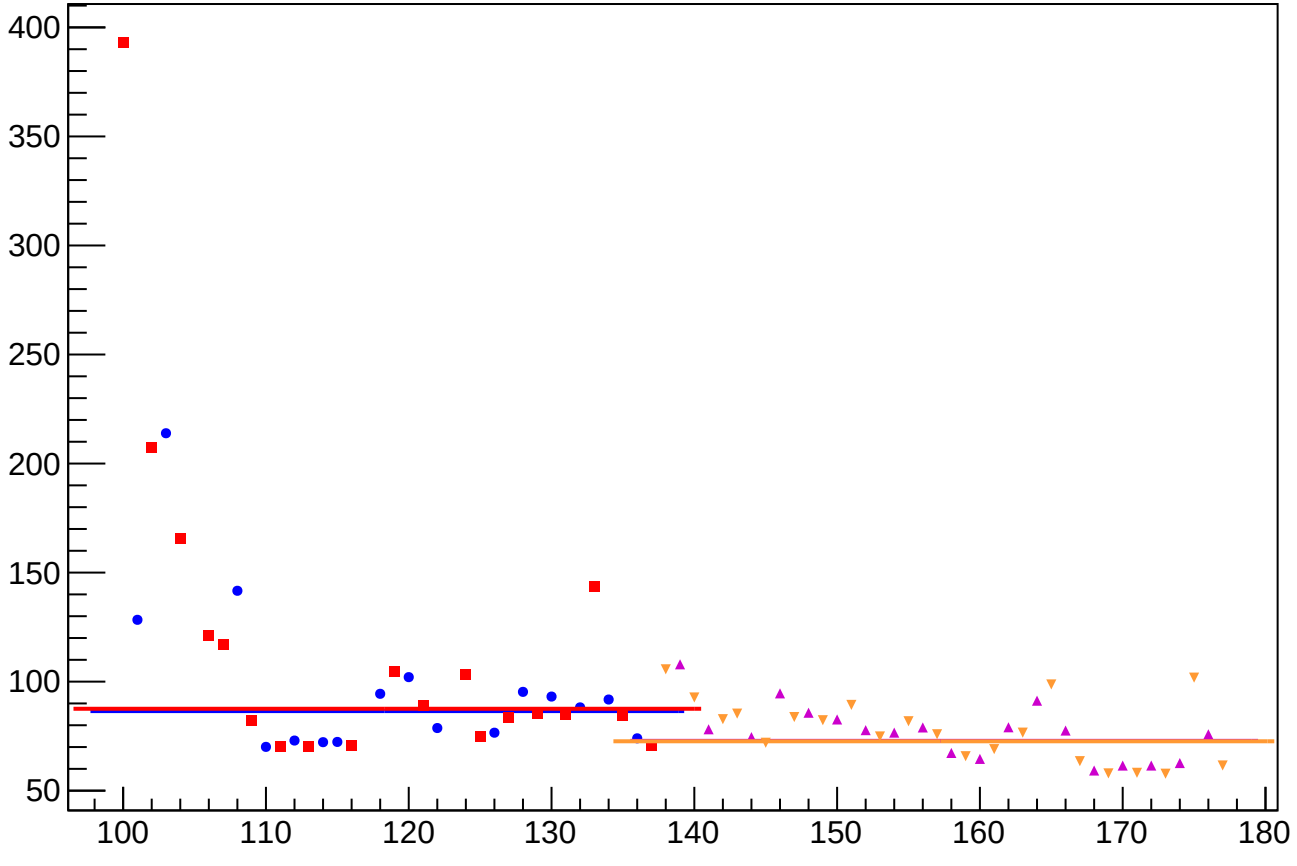
Right: -20.750+/-23.982 χ^2/NDF: 41.9/34

In: 44.374+/-16.603 χ^2/NDF:50.0/34

Out: 61.527+/-16.172 χ^2/NDF:68.3/39

All: 53.176+/-11.584 χ^2/NDF: 118.9/74

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 72.646+/-0.013 χ^2/NDF:1019498.6/20

Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 72.841+/-0.013 χ^2/NDF:692808.8/18

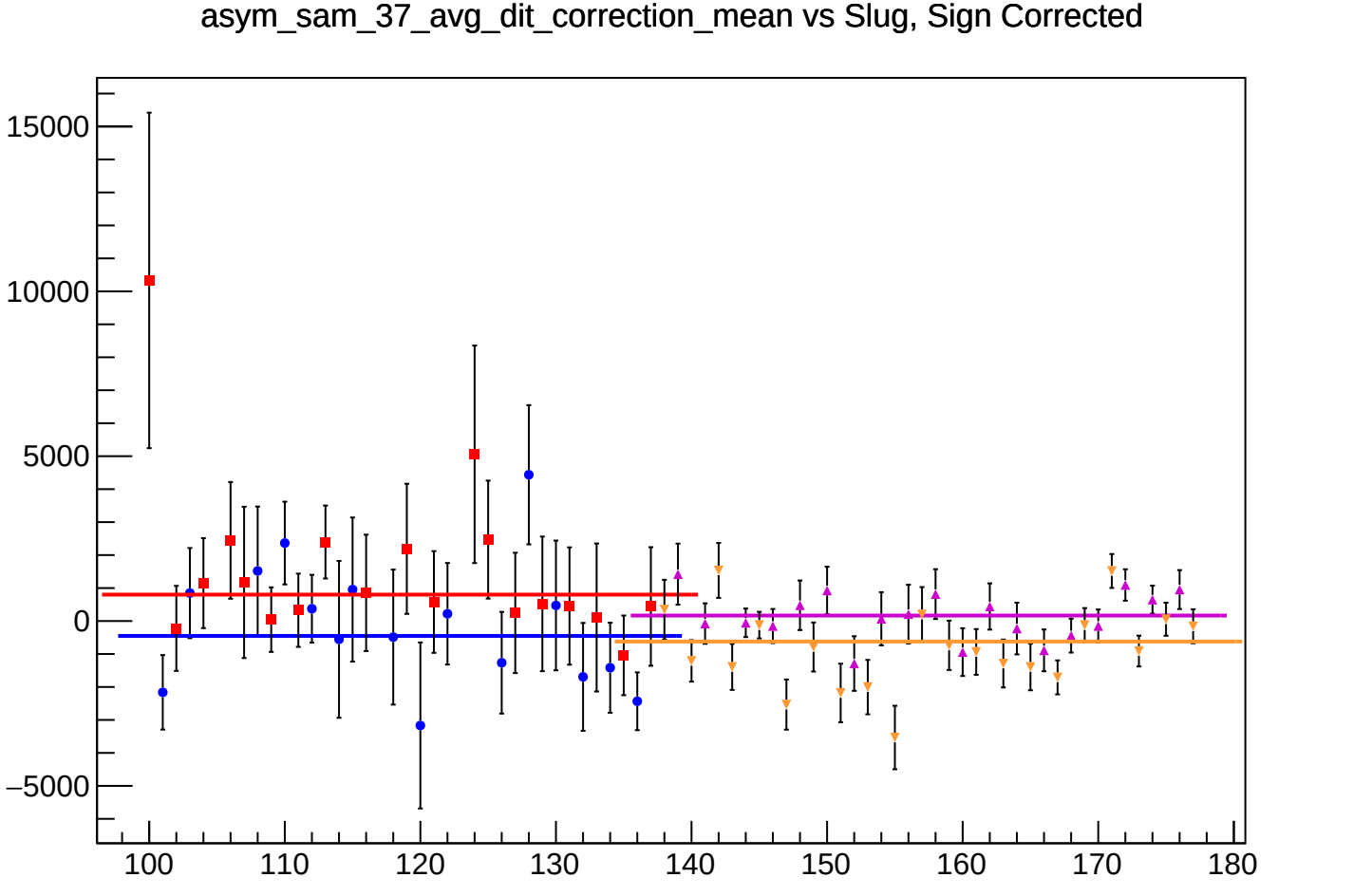
Left: 72.739+/-0.009 χ^2/NDF: 1712415.7/39

Right: 87.017+/-0.017 χ^2/NDF: 1987038.9/34

In: 76.141+/-0.012 χ^2/NDF:1796883.8/34

Out: 76.004+/-0.011 χ^2/NDF:2445951.5/39

All: 76.071+/-0.008 χ^2/NDF: 4242905.3/74



Right In: -451.380+/-365.605 χ^2/NDF: 23.7/15

Left Out: -621.111+/-136.602 χ^2/NDF:61.8/20

Right Out: 801.206+/-357.866 χ^2/NDF: 13.6/18

Left In: 166.373+/-139.706 χ^2/NDF:21.9/18

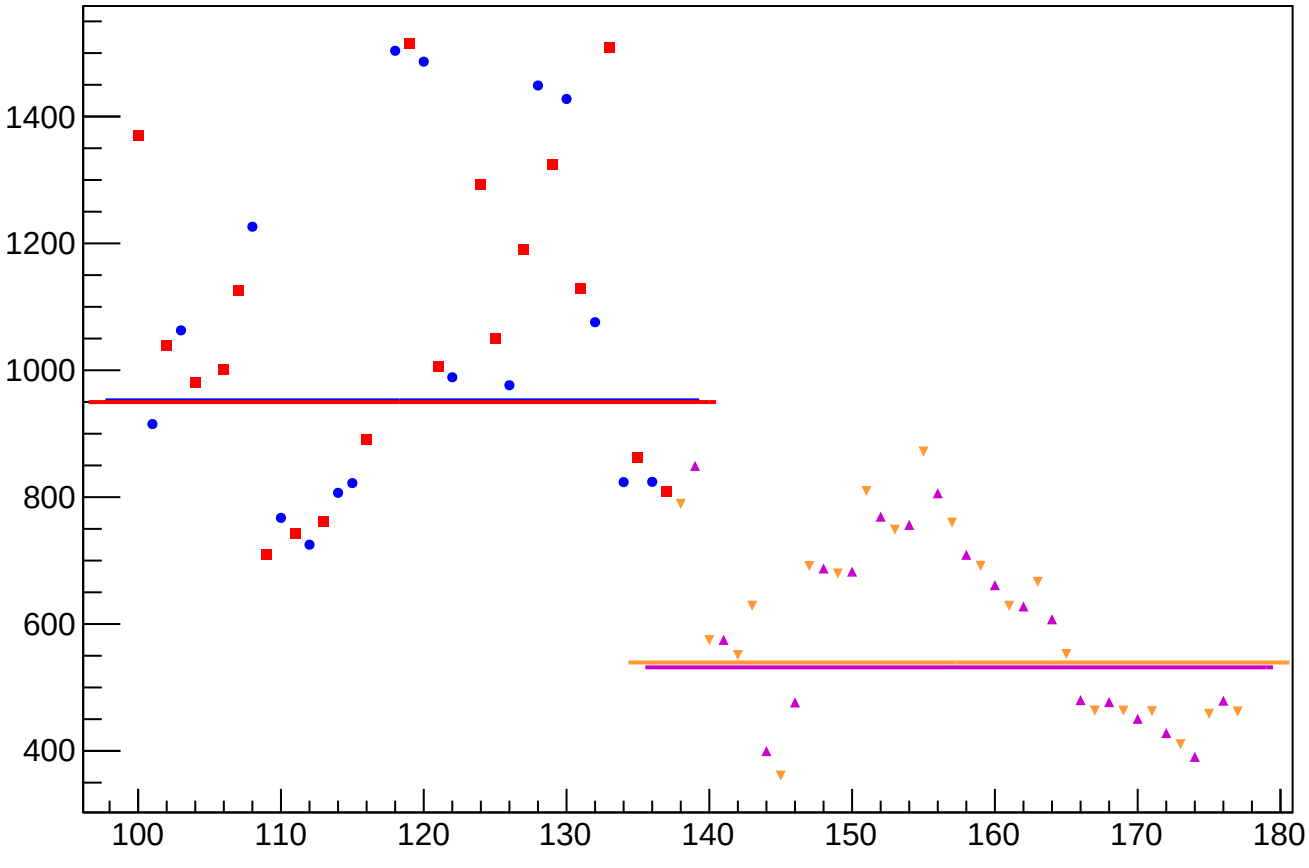
Left: -236.213+/-97.671 χ^2/NDF: 100.0/39

Right: 188.311+/-255.742 χ^2/NDF: 43.3/34

In: 87.663+/-130.503 χ^2/NDF:48.2/34

Out: -440.228+/-127.621 χ^2/NDF:89.3/39

All: -182.175+/-91.243 χ^2/NDF: 145.8/74



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 539.394+/-0.097 χ^2/NDF:1986472.4/20

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

Left In: 531.767+/-0.099 χ^2/NDF:1785619.5/18

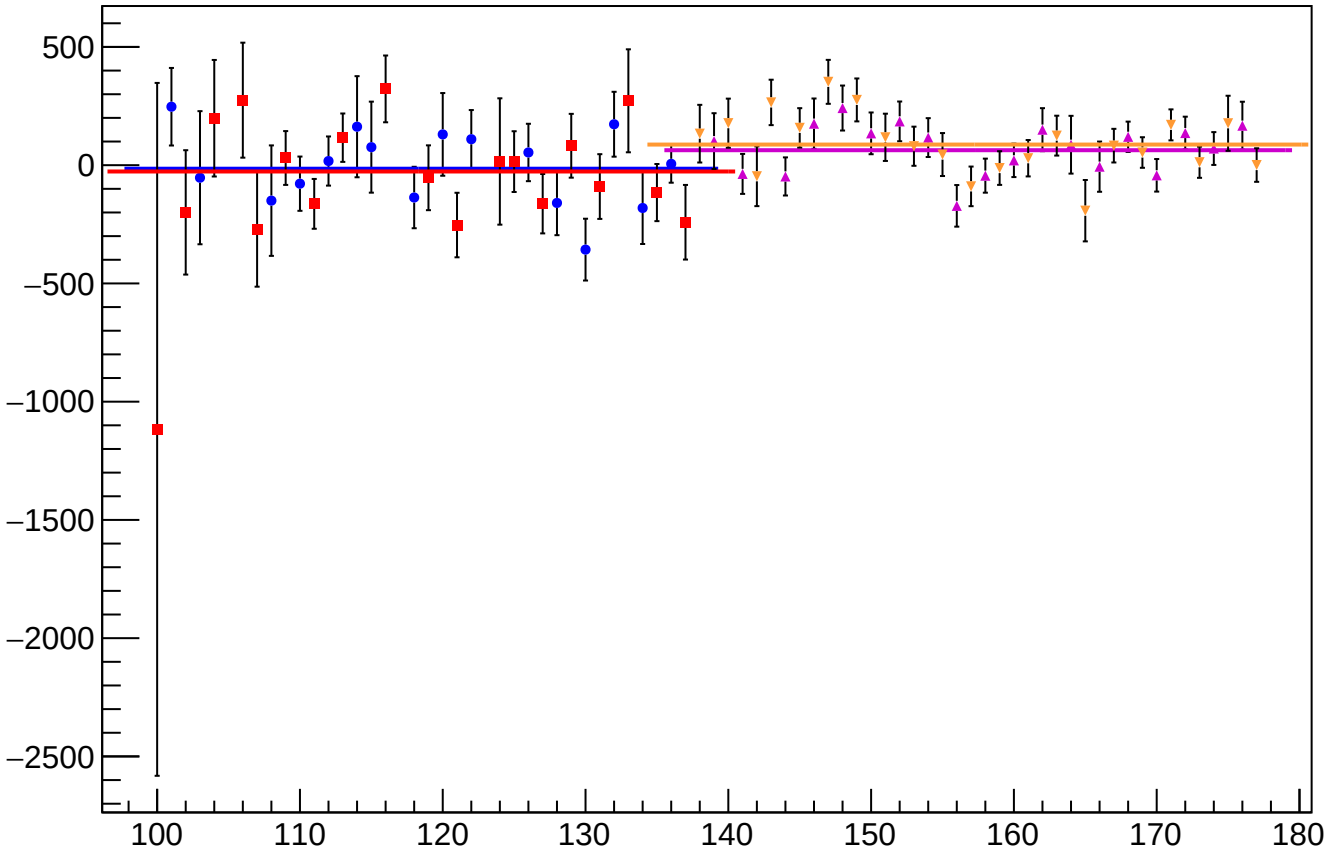
Left: 535.666+/-0.069 χ^2/NDF: 3775138.7/39

Right: 951.193+/-0.181 χ^2/NDF: 1498076.1/34

In: 585.381+/-0.092 χ^2/NDF:4843665.5/34

Out: 591.599+/-0.090 χ^2/NDF:5035026.6/39

All: 588.559+/-0.065 χ^2/NDF: 9881013.2/74



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 87.168+/-18.373 χ^2/NDF:36.1/20

Right Out: -26.658+/-34.073 χ^2/NDF: 23.6/18

Left In: 63.297+/-19.068 χ^2/NDF:27.7/18

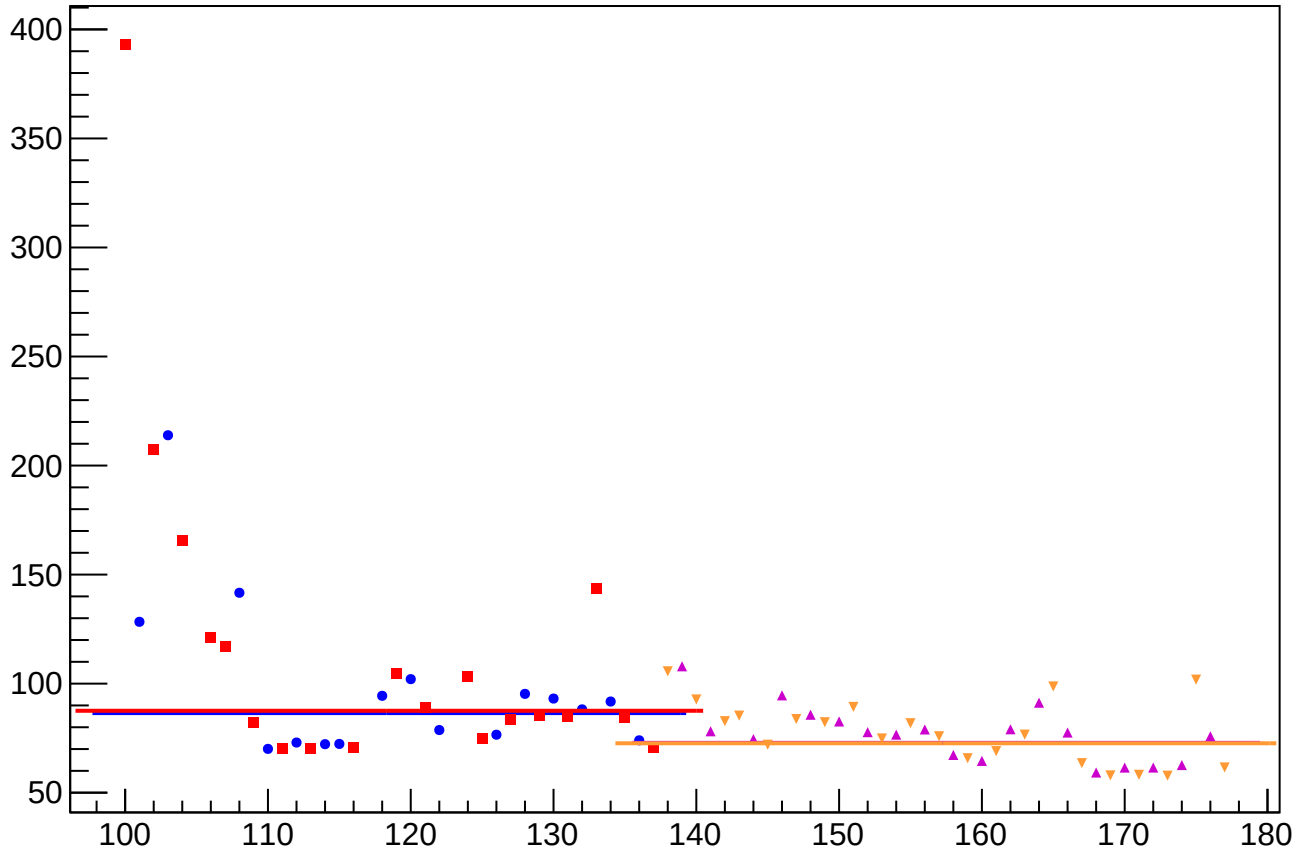
Left: 75.675+/-13.230 χ^2/NDF: 64.6/39

Right: -20.752+/-23.982 χ^2/NDF: 41.9/34

In: 44.373+/-16.603 χ^2/NDF:50.0/34

Out: 61.527+/-16.172 χ^2/NDF:68.3/39

All: 53.175+/-11.585 χ^2/NDF: 118.9/74



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 72.646+/-0.013 χ^2/NDF:1019505.3/20

Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 72.841+/-0.013 χ^2/NDF:692814.5/18

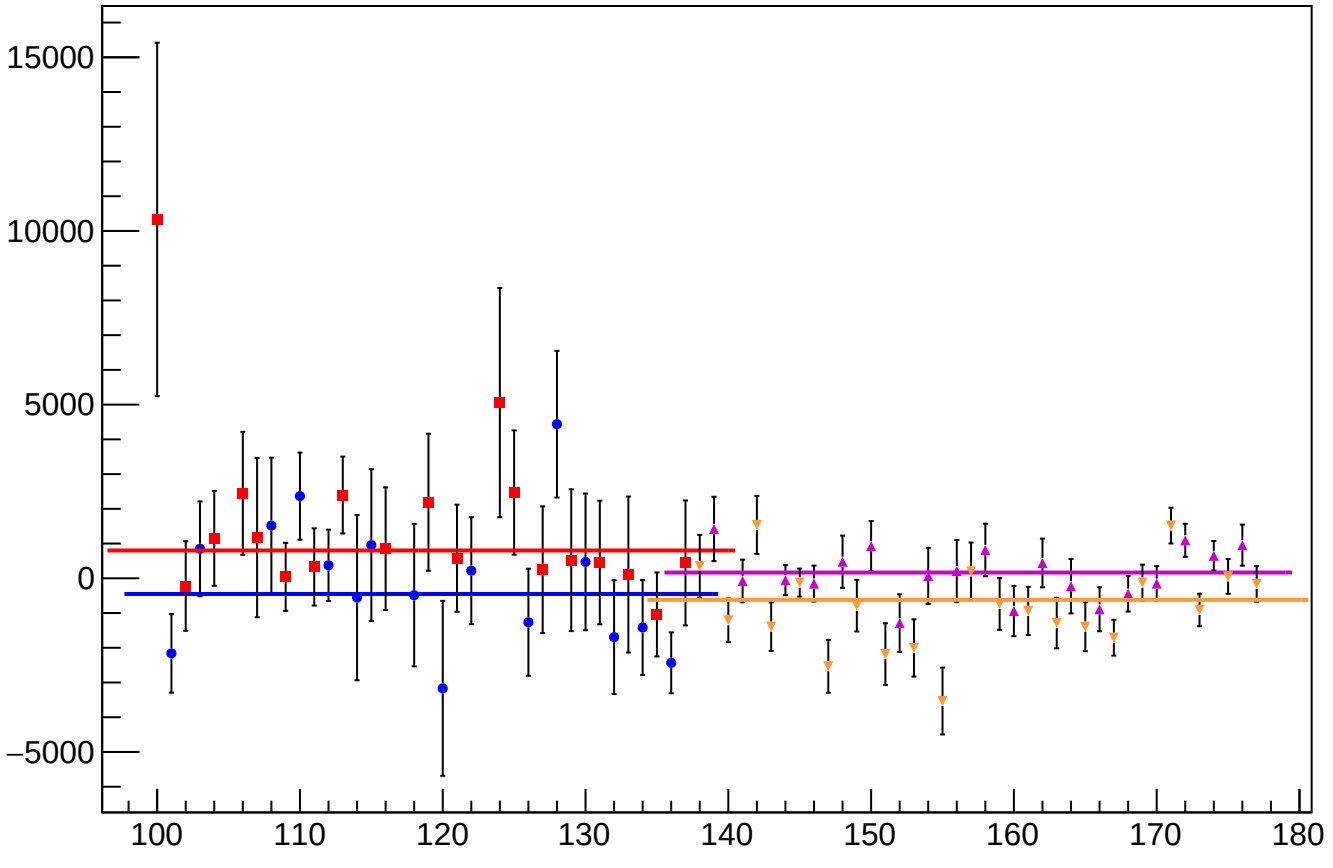
Left: 72.740+/-0.009 χ^2/NDF: 1712428.2/39

Right: 87.017+/-0.017 χ^2/NDF: 1987028.5/34

In: 76.142+/-0.012 χ^2/NDF:1796884.6/34

Out: 76.004+/-0.011 χ^2/NDF:2445961.3/39

All: 76.071+/-0.008 χ^2/NDF: 4242915.9/74



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -621.112+/-136.602 χ^2/NDF:61.8/20

Right Out: 801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: 166.372+/-139.706 χ^2/NDF:21.9/18

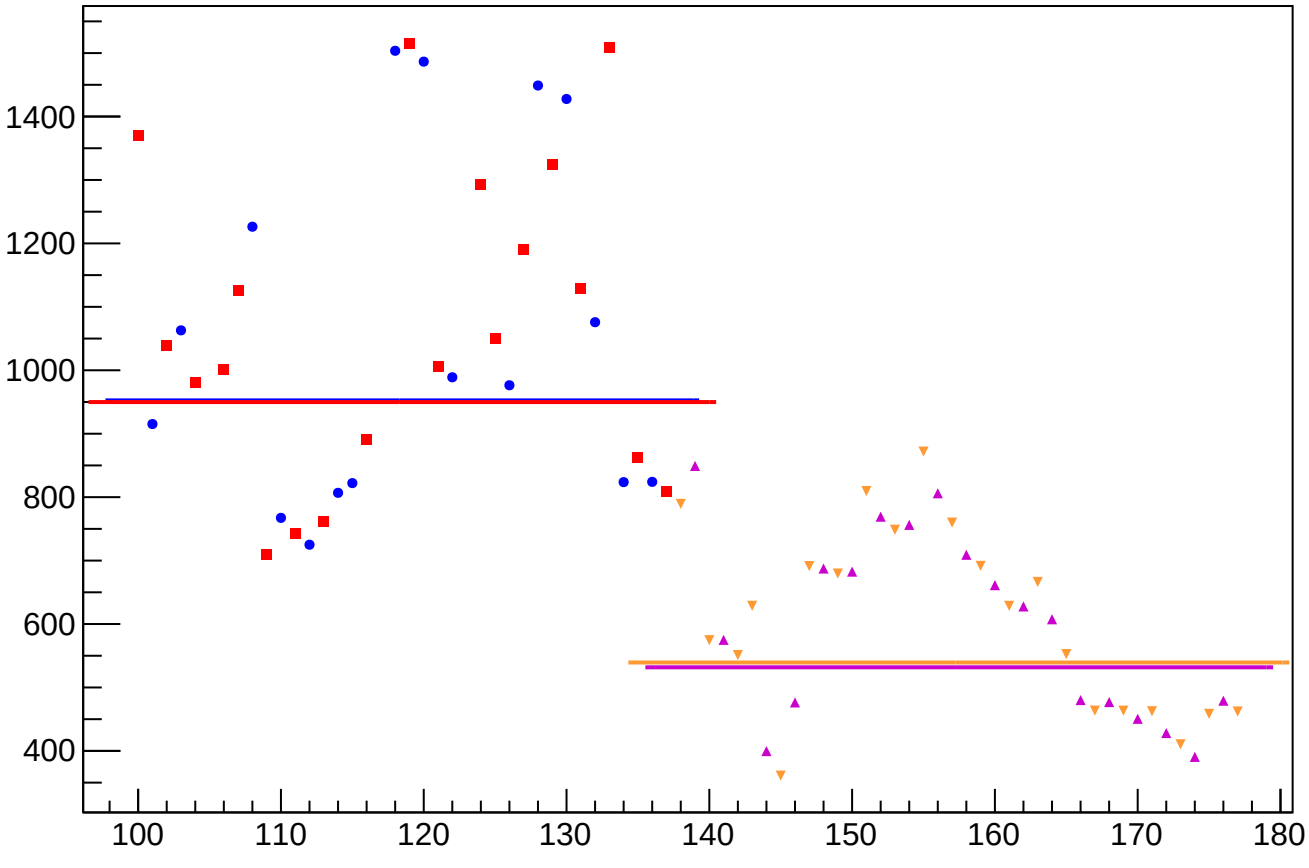
Left: -236.214+/-97.671 χ^2/NDF: 100.0/39

Right: 188.312+/-255.741 χ^2/NDF: 43.3/34

In: 87.663+/-130.503 χ^2/NDF:48.2/34

Out: -440.228+/-127.621 χ^2/NDF:89.3/39

All: -182.176+/-91.243 χ^2/NDF: 145.8/74



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 539.393+/-0.097 χ^2/NDF:1986467.8/20

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

Left In: 531.767+/-0.099 χ^2/NDF:1785613.7/18

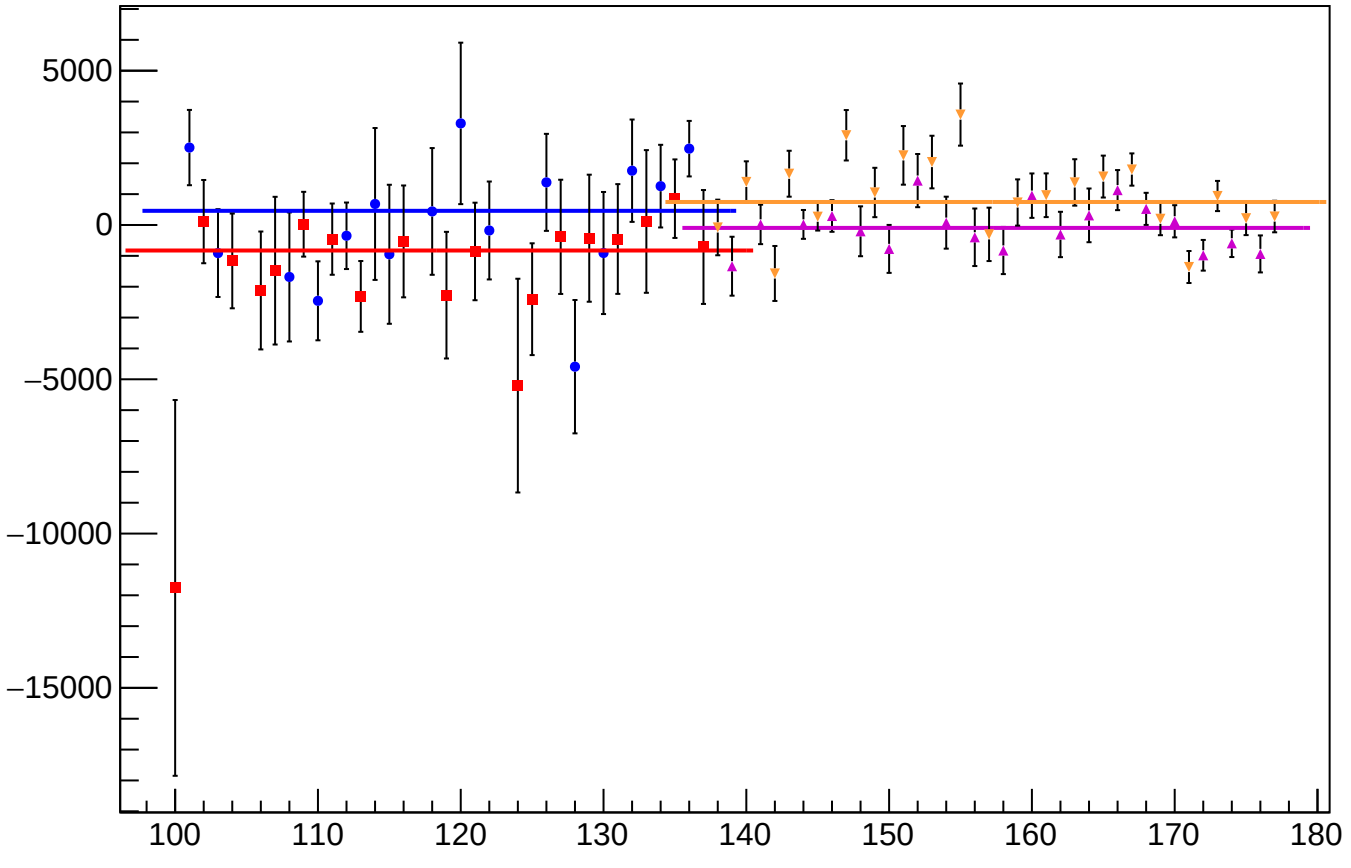
Left: 535.666+/-0.069 χ^2/NDF: 3775128.3/39

Right: 951.191+/-0.181 χ^2/NDF: 1498078.4/34

In: 585.380+/-0.092 χ^2/NDF:4843652.9/34

Out: 591.598+/-0.090 χ^2/NDF:5035013.2/39

All: 588.559+/-0.065 χ^2/NDF: 9880987.1/74



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 745.800+/-142.345 χ^2/NDF:58.4/20

Right Out: -826.531+/-374.244 χ^2/NDF: 11.7/18

Left In: -94.514+/-145.191 χ^2/NDF:21.3/18

Left: 333.958+/-101.644 χ^2/NDF: 96.8/39

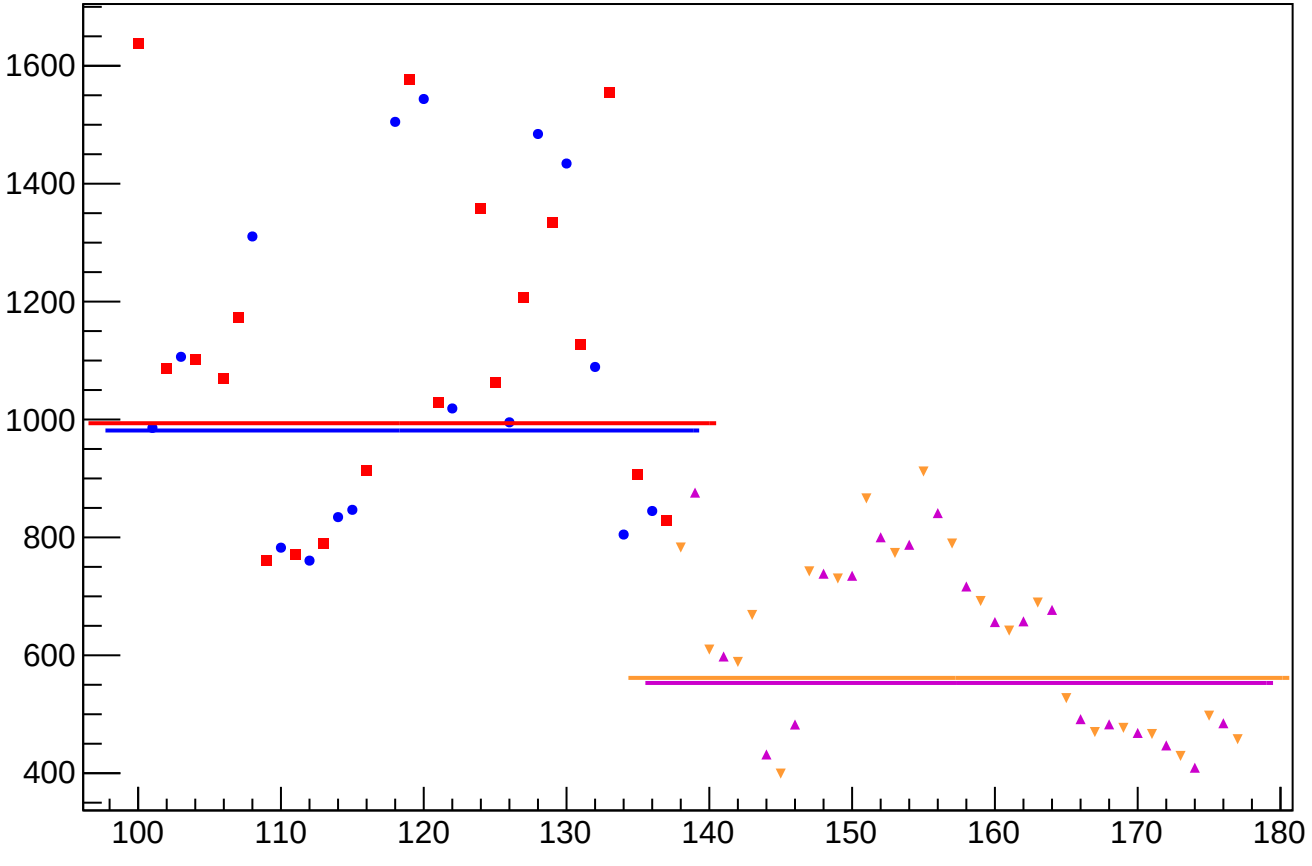
Right: -188.198+/-265.555 χ^2/NDF: 42.1/34

In: -22.962+/-135.484 χ^2/NDF:47.8/34

Out: 547.081+/-133.046 χ^2/NDF:85.5/39

All: 267.235+/-94.928 χ^2/NDF: 142.2/74

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 561.682+/-0.101 χ^2/NDF:1917687.7/20

Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 553.081+/-0.103 χ^2/NDF:1782713.2/18

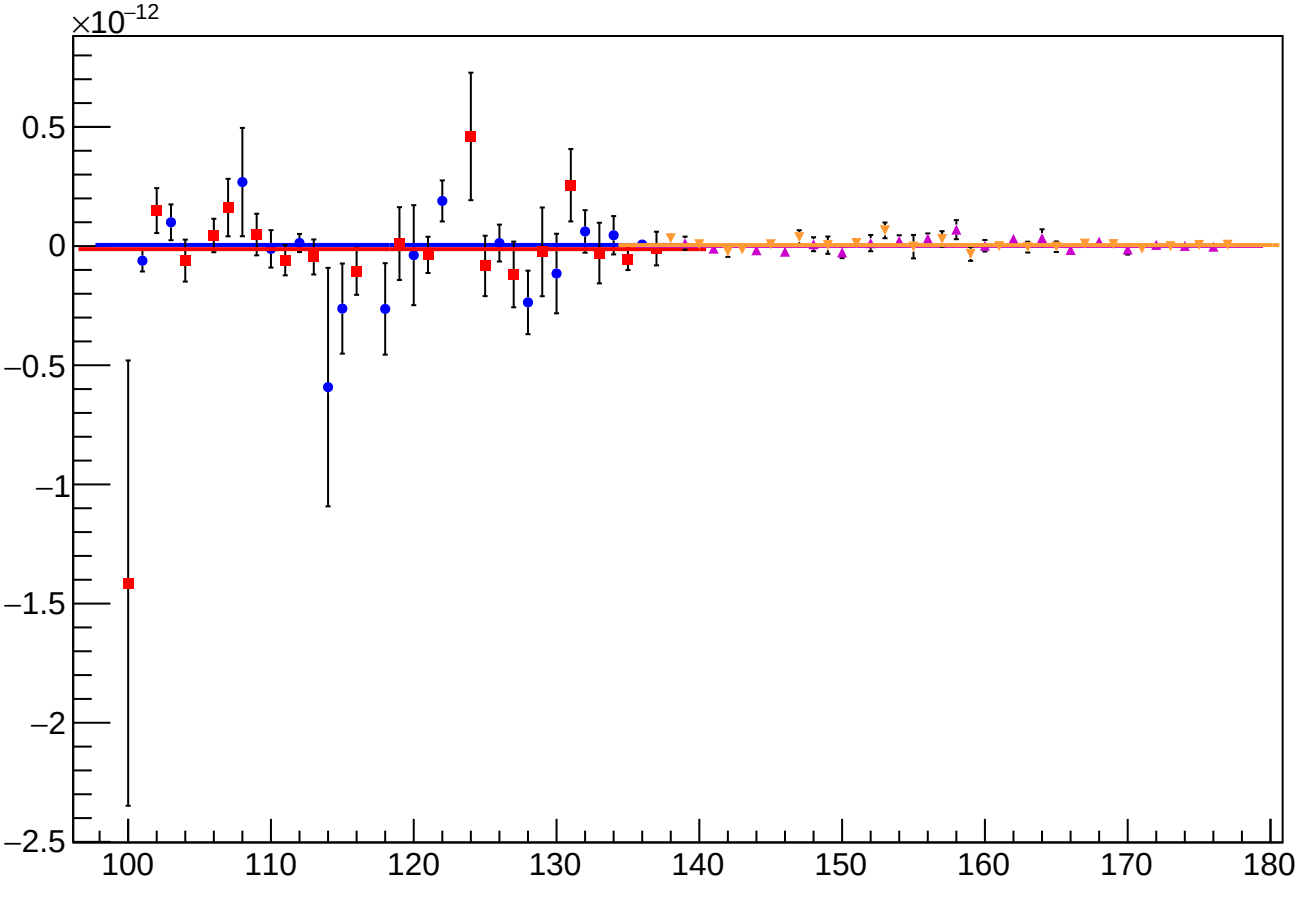
Left: 557.466+/-0.072 χ^2/NDF: 3703979.8/39

Right: 987.560+/-0.188 χ^2/NDF: 1458505.1/34

In: 608.429+/-0.096 χ^2/NDF:4769245.3/34

Out: 616.280+/-0.094 χ^2/NDF:4965648.3/39

All: 612.426+/-0.067 χ^2/NDF: 9738313.0/74



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.3/20

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:18.3/18

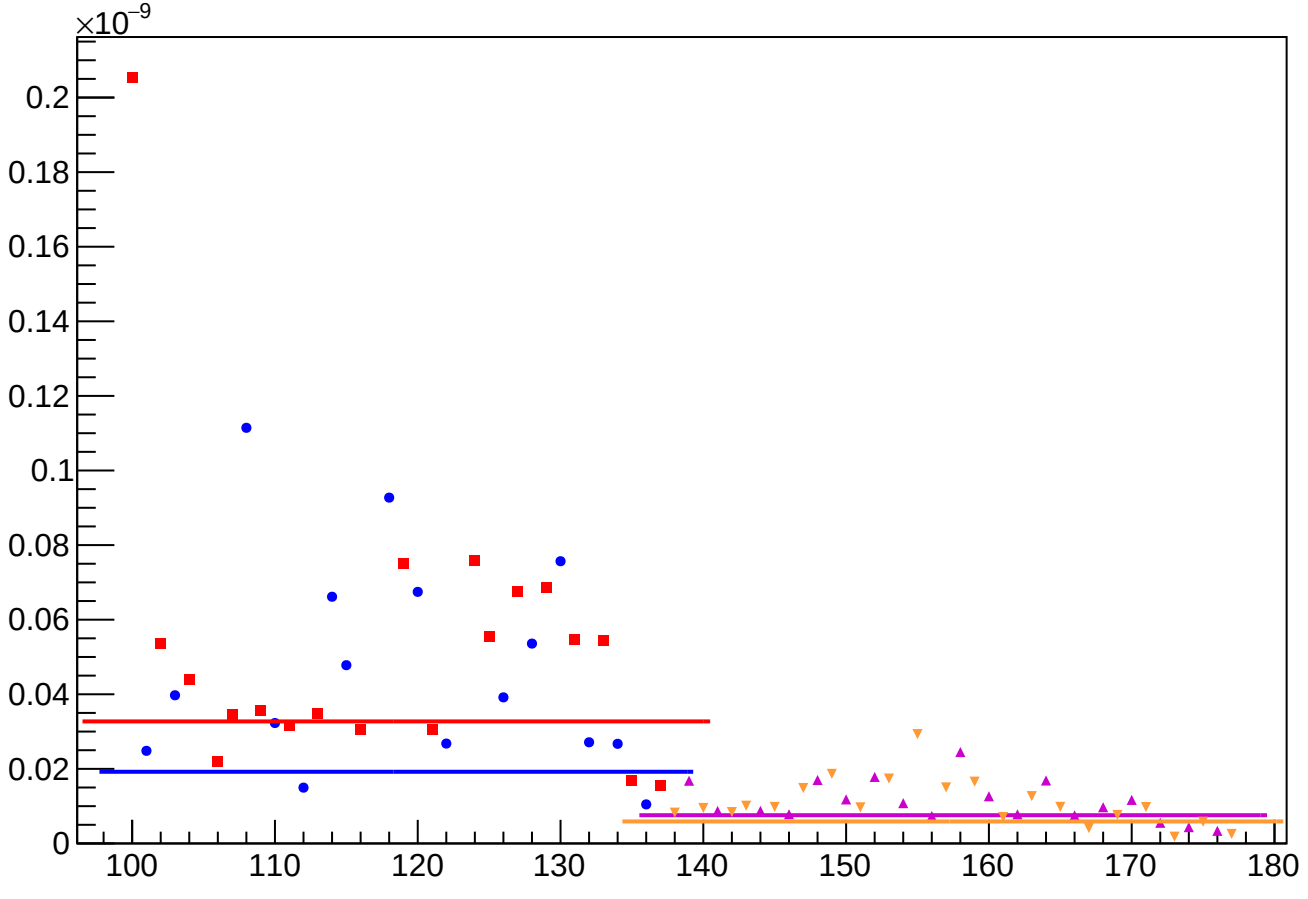
Left: 0.000+/-0.000 χ^2/NDF: 33.1/39

Right: -0.000+/-0.000 χ^2/NDF: 38.6/34

In: 0.000+/-0.000 χ^2/NDF:38.1/34

Out: 0.000+/-0.000 χ^2/NDF:33.4/39

All: 0.000+/-0.000 χ^2/NDF: 71.8/74



Right In: 0.000+/-0.000 χ^2/NDF: 1977908.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3512110.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1181327.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2093073.9/18

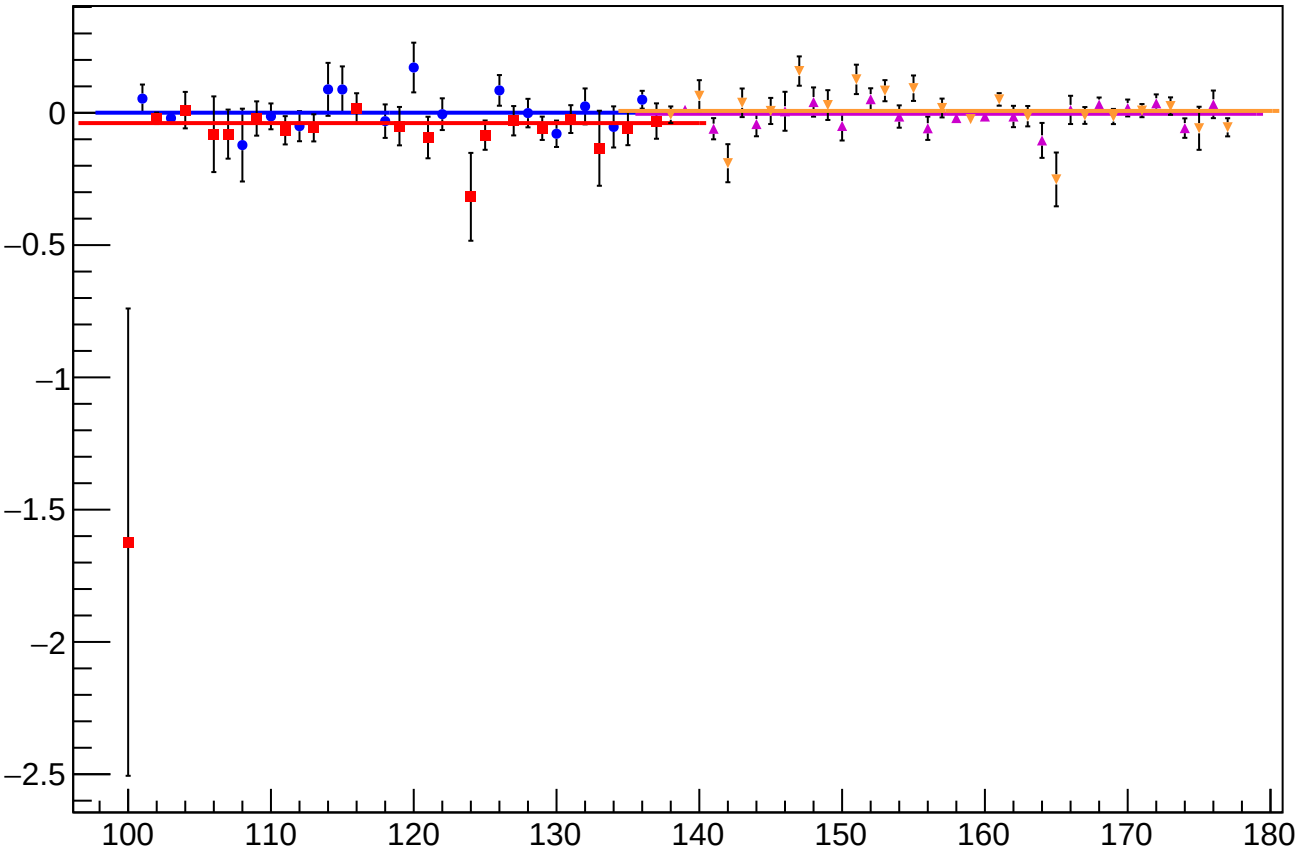
Left: 0.000+/-0.000 χ^2/NDF: 5829394.1/39

Right: 0.000+/-0.000 χ^2/NDF: 3729954.2/34

In: 0.000+/-0.000 χ^2/NDF:5284597.4/34

Out: 0.000+/-0.000 χ^2/NDF:7962584.5/39

All: 0.000+/-0.000 χ^2/NDF: 13533313.2/74



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.007+/-0.008 χ^2/NDF:46.8/20

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.004+/-0.007 χ^2/NDF:18.4/18

Left: 0.001+/-0.005 χ^2/NDF: 66.3/39

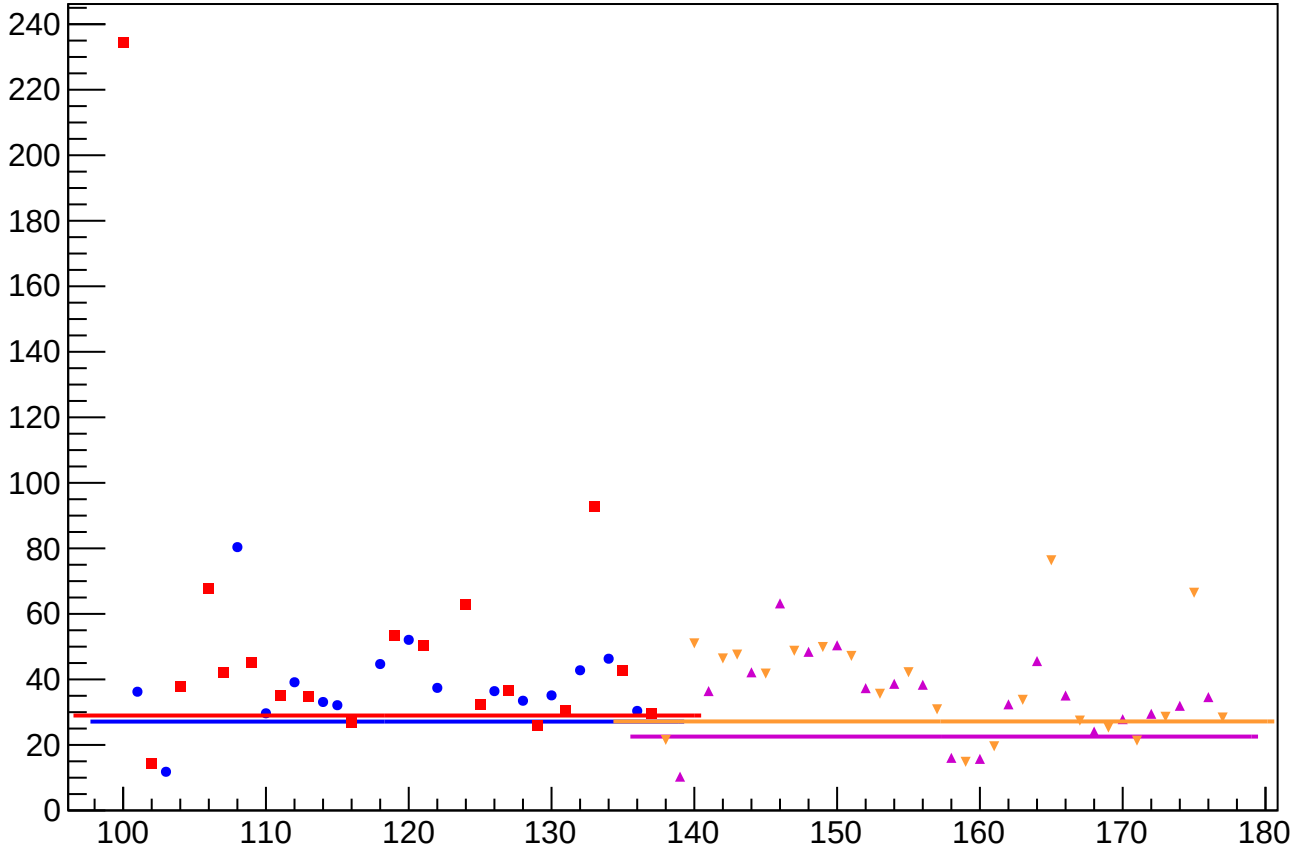
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.003+/-0.006 χ^2/NDF:35.0/34

Out: -0.005+/-0.007 χ^2/NDF:67.6/39

All: -0.004+/-0.004 χ^2/NDF: 102.7/74

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: 27.173+/-0.005 χ^2/NDF:4630758.2/20

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 22.549+/-0.005 χ^2/NDF:6036062.5/18

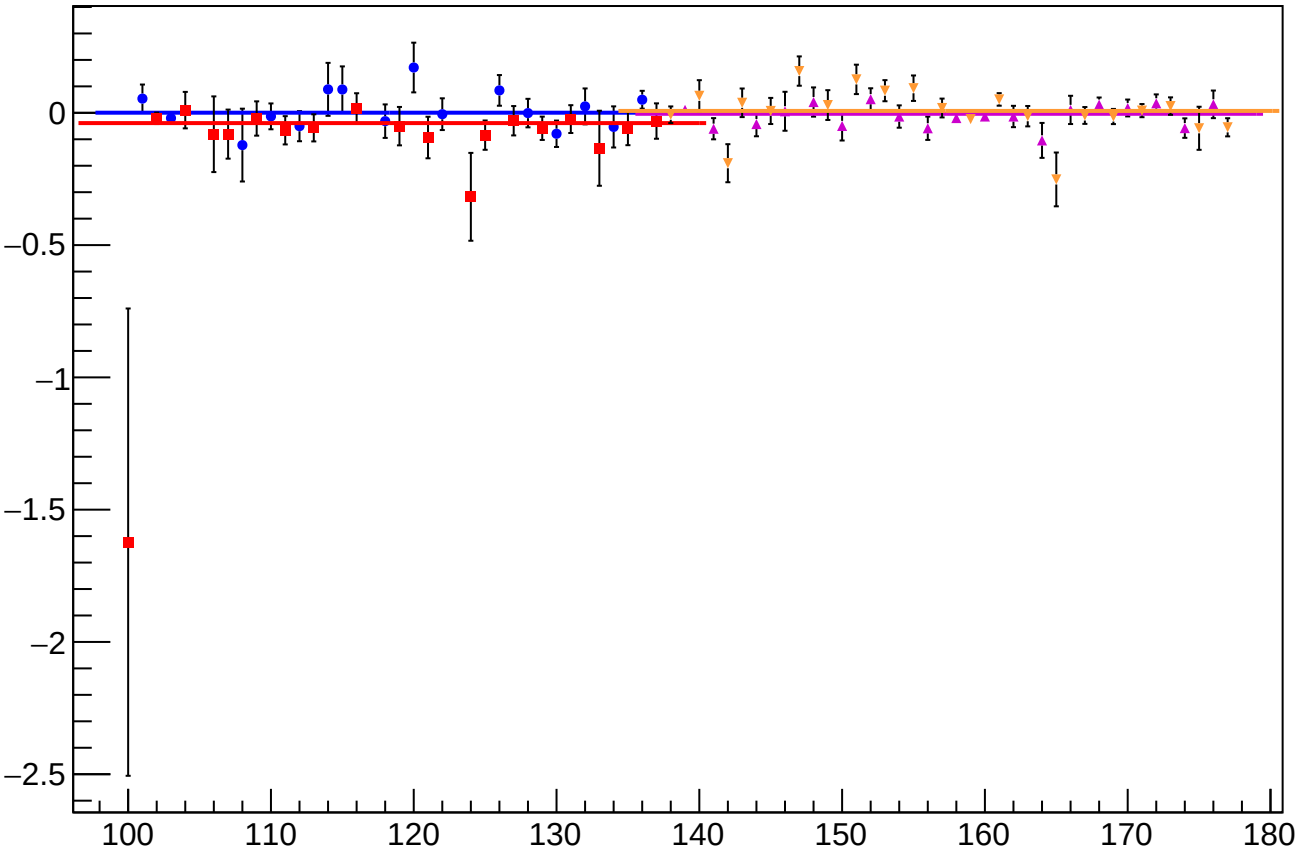
Left: 24.623+/-0.004 χ^2/NDF: 11068817.5/39

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 23.684+/-0.004 χ^2/NDF:8669190.3/34

Out: 27.658+/-0.005 χ^2/NDF:7116879.6/39

All: 25.494+/-0.003 χ^2/NDF: 16187020.2/74



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.007+/-0.008 χ^2/NDF:46.8/20

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.004+/-0.007 χ^2/NDF:18.4/18

Left: 0.001+/-0.005 χ^2/NDF: 66.3/39

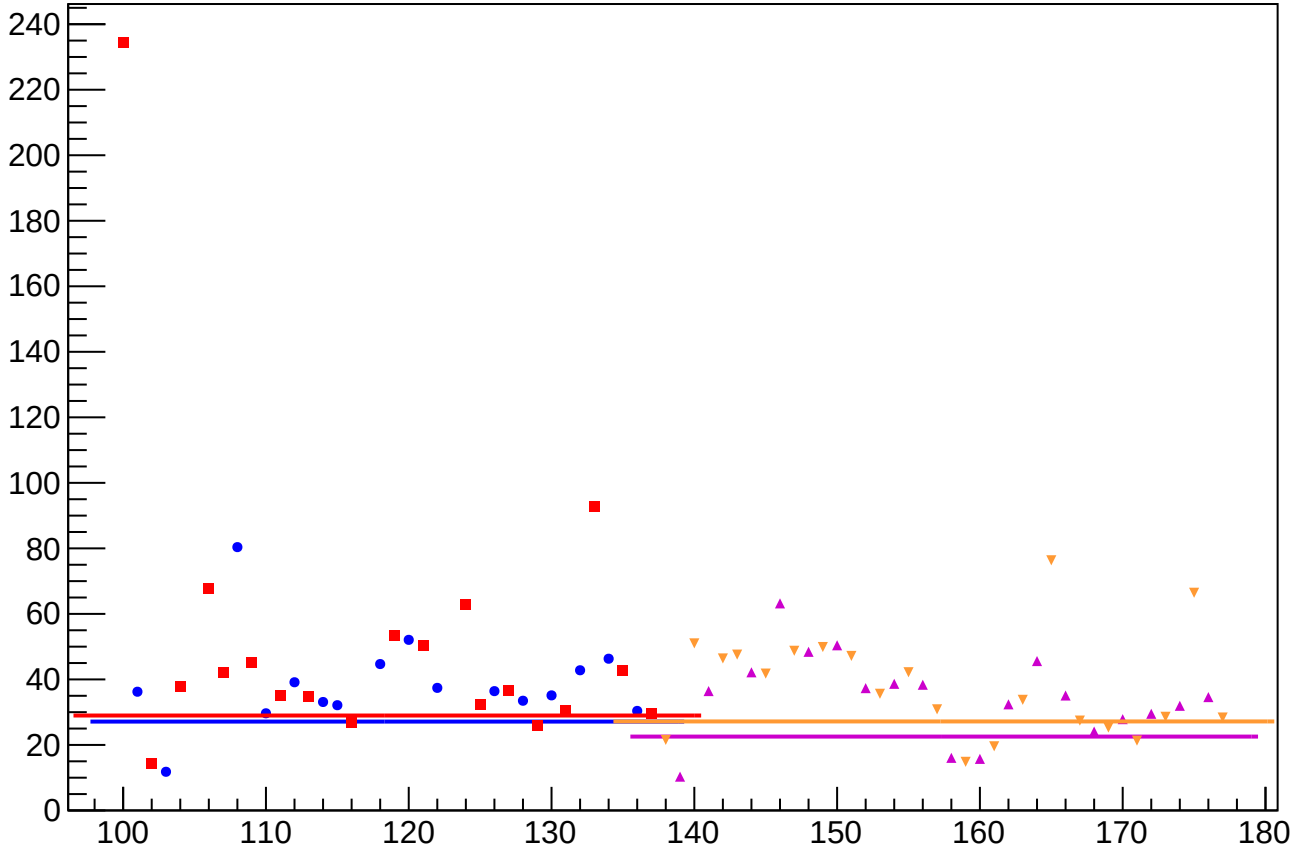
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.003+/-0.006 χ^2/NDF:35.0/34

Out: -0.005+/-0.007 χ^2/NDF:67.6/39

All: -0.004+/-0.004 χ^2/NDF: 102.7/74

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: 27.173+/-0.005 χ^2/NDF:4630758.2/20

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 22.549+/-0.005 χ^2/NDF:6036062.5/18

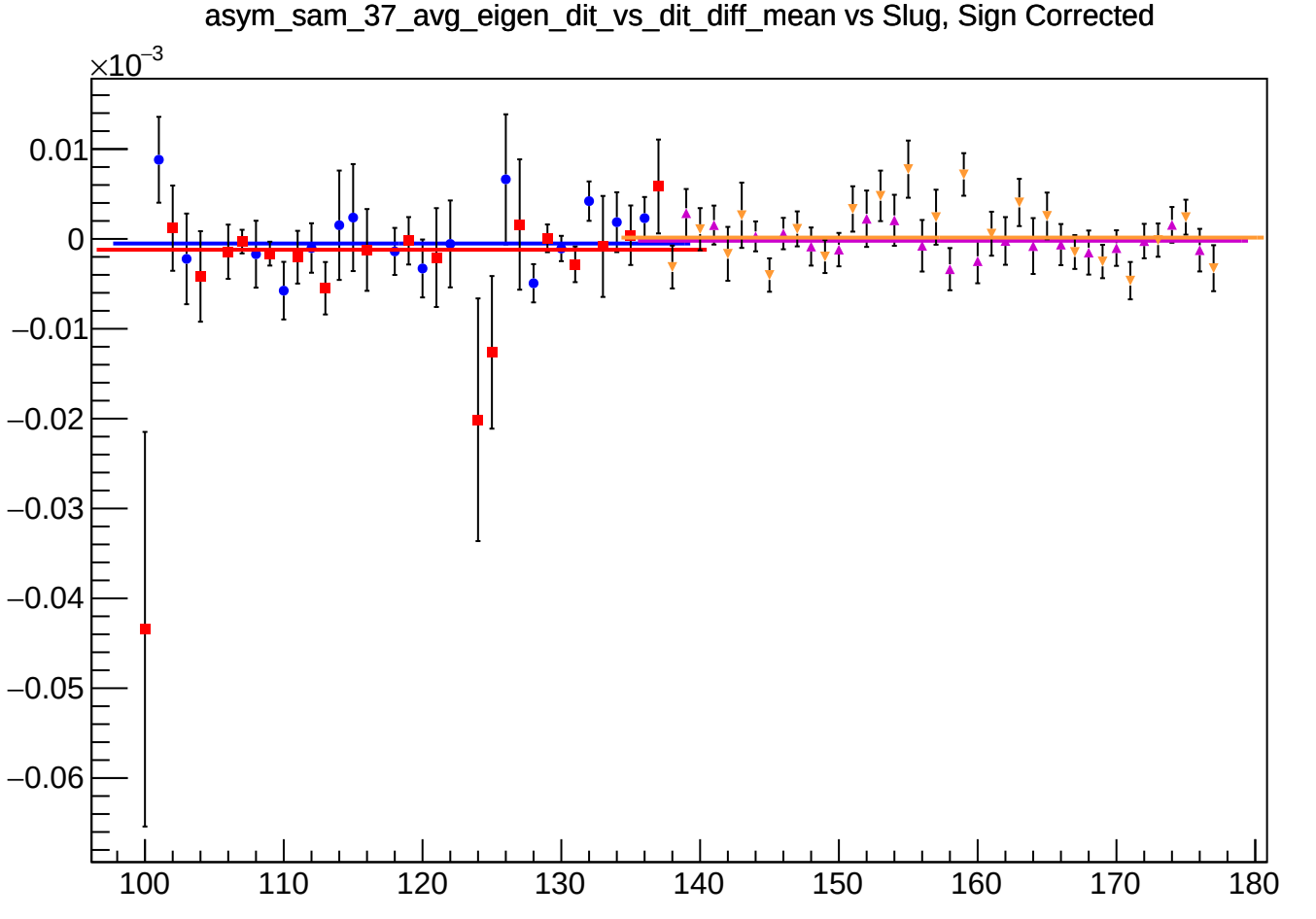
Left: 24.623+/-0.004 χ^2/NDF: 11068817.5/39

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 23.684+/-0.004 χ^2/NDF:8669190.3/34

Out: 27.658+/-0.005 χ^2/NDF:7116879.6/39

All: 25.494+/-0.003 χ^2/NDF: 16187020.2/74



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:43.2/20

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:8.1/18

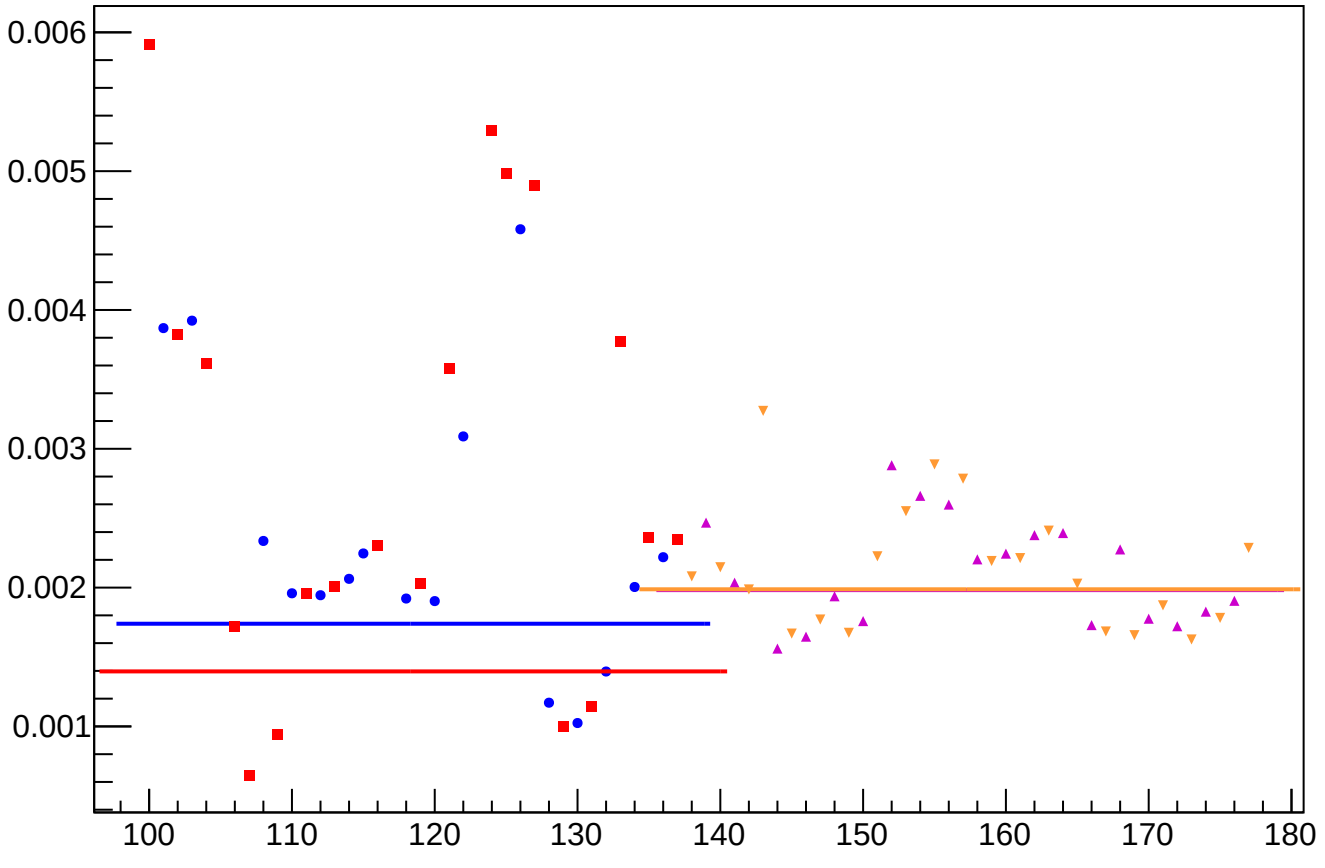
Left: -0.000+/-0.000 χ^2/NDF: 51.6/39

Right: -0.000+/-0.000 χ^2/NDF: 35.1/34

In: -0.000+/-0.000 χ^2/NDF:28.2/34

Out: -0.000+/-0.000 χ^2/NDF:60.8/39

All: -0.000+/-0.000 χ^2/NDF: 89.0/74



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:1129804.2/20

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

Left In: 0.002+/-0.000 χ^2/NDF:915250.0/18

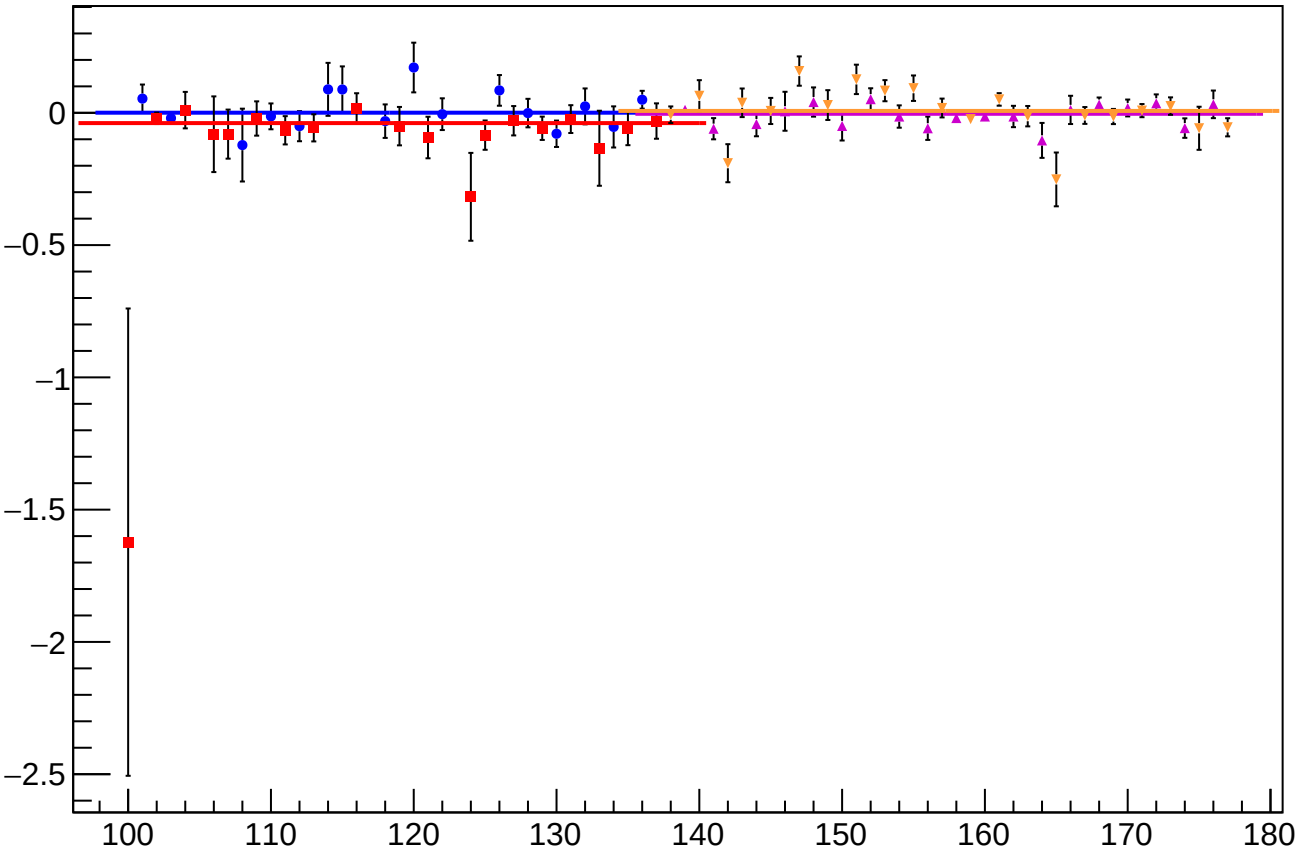
Left: 0.002+/-0.000 χ^2/NDF: 2045192.6/39

Right: 0.002+/-0.000 χ^2/NDF: 6735676.7/34

In: 0.002+/-0.000 χ^2/NDF:3213181.7/34

Out: 0.002+/-0.000 χ^2/NDF:6578007.7/39

All: 0.002+/-0.000 χ^2/NDF: 9926351.5/74



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.007+/-0.008 χ^2/NDF:46.8/20

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.004+/-0.007 χ^2/NDF:18.4/18

Left: 0.001+/-0.005 χ^2/NDF: 66.3/39

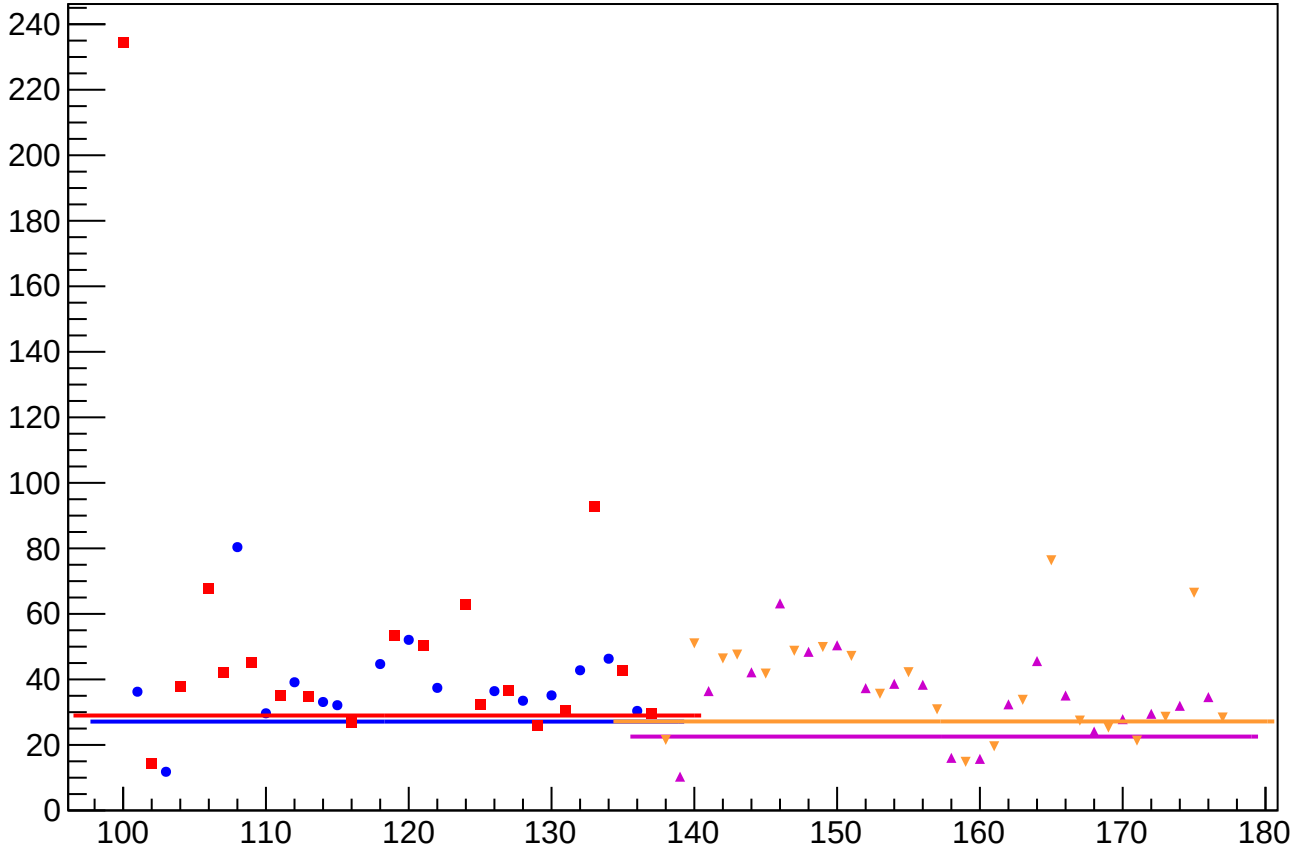
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.003+/-0.006 χ^2/NDF:35.0/34

Out: -0.005+/-0.007 χ^2/NDF:67.6/39

All: -0.004+/-0.004 χ^2/NDF: 102.7/74

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: 27.173+/-0.005 χ^2/NDF:4631185.0/20

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 22.548+/-0.005 χ^2/NDF:6037011.2/18

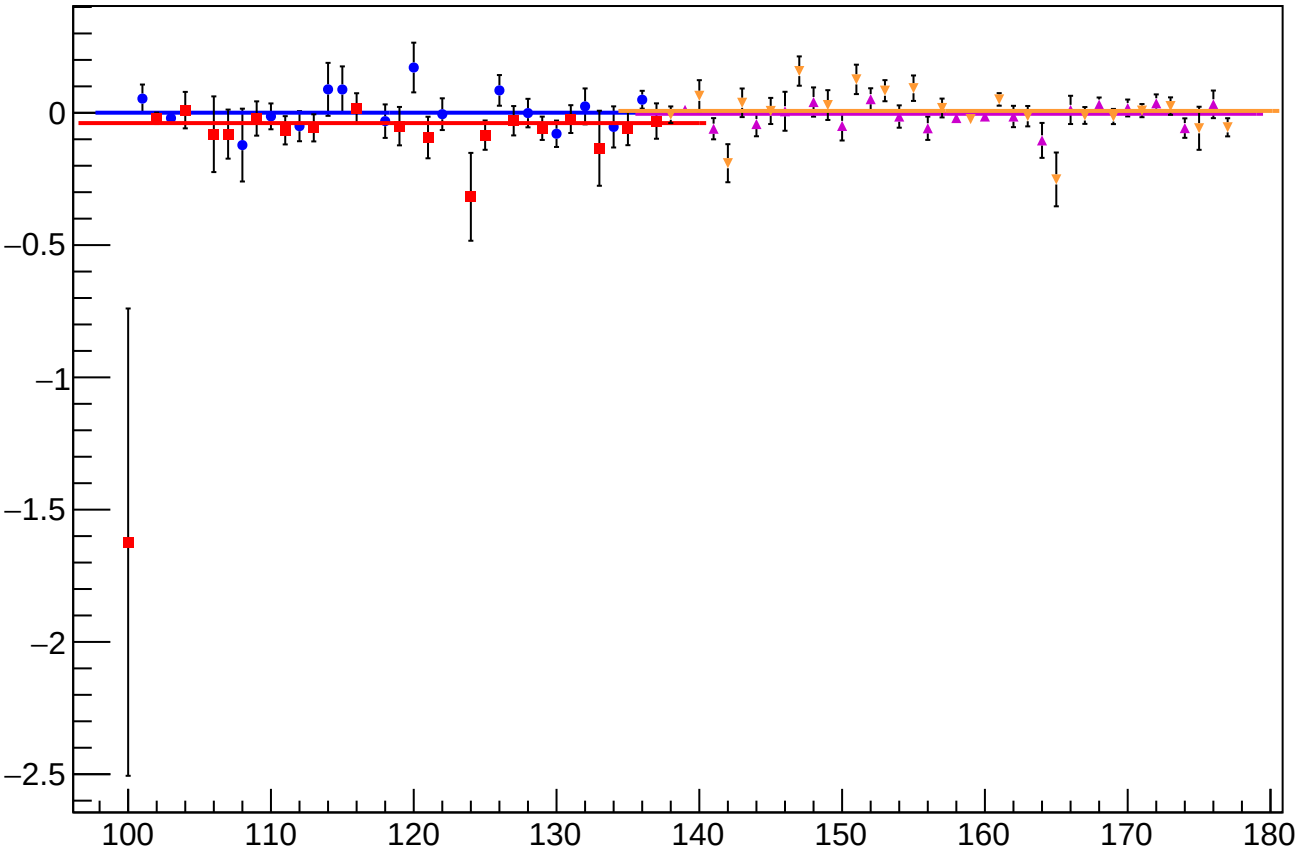
Left: 24.622+/-0.004 χ^2/NDF: 11070336.8/39

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 23.683+/-0.004 χ^2/NDF:8670514.7/34

Out: 27.659+/-0.005 χ^2/NDF:7116810.4/39

All: 25.494+/-0.003 χ^2/NDF: 16188576.0/74



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.007+/-0.008 χ^2/NDF:46.8/20

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.004+/-0.007 χ^2/NDF:18.4/18

Left: 0.001+/-0.005 χ^2/NDF: 66.3/39

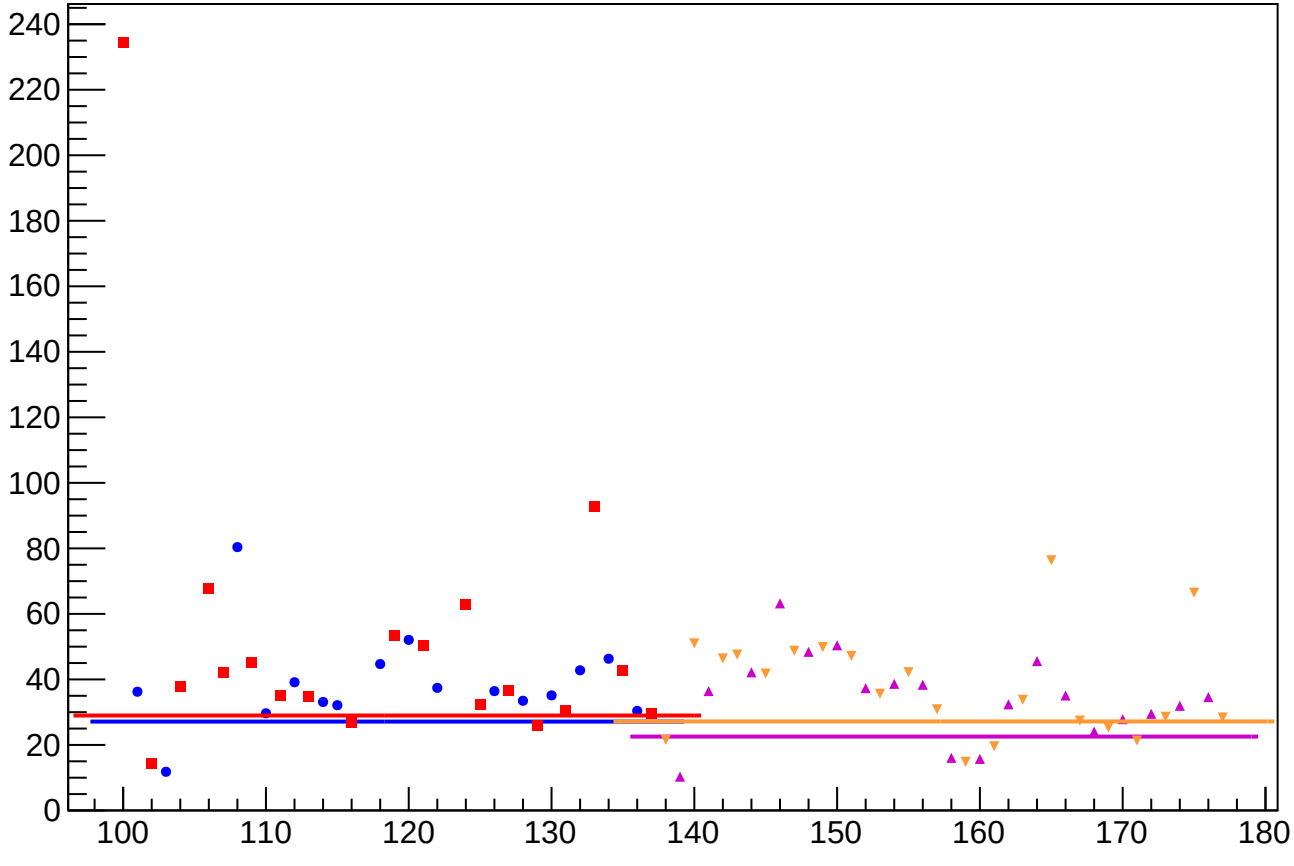
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.003+/-0.006 χ^2/NDF:35.0/34

Out: -0.005+/-0.007 χ^2/NDF:67.6/39

All: -0.004+/-0.004 χ^2/NDF: 102.7/74

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: 27.173+/-0.005 χ^2/NDF:4631185.0/20

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 22.548+/-0.005 χ^2/NDF:6037011.2/18

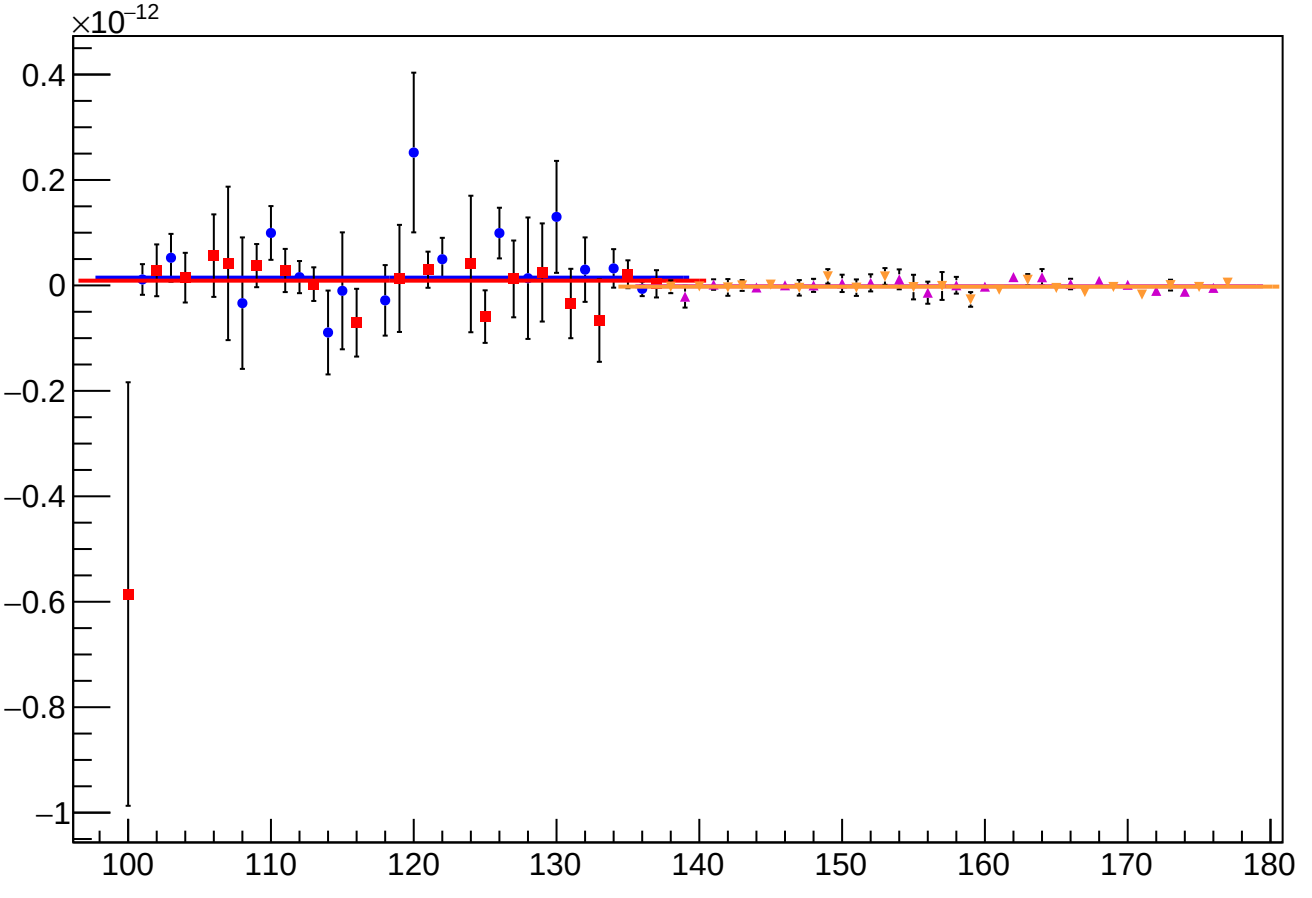
Left: 24.622+/-0.004 χ^2/NDF: 11070336.8/39

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 23.683+/-0.004 χ^2/NDF:8670514.7/34

Out: 27.659+/-0.005 χ^2/NDF:7116810.4/39

All: 25.494+/-0.003 χ^2/NDF: 16188576.0/74



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.0/20

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: -0.000+/-0.000 χ^2/NDF:13.9/18

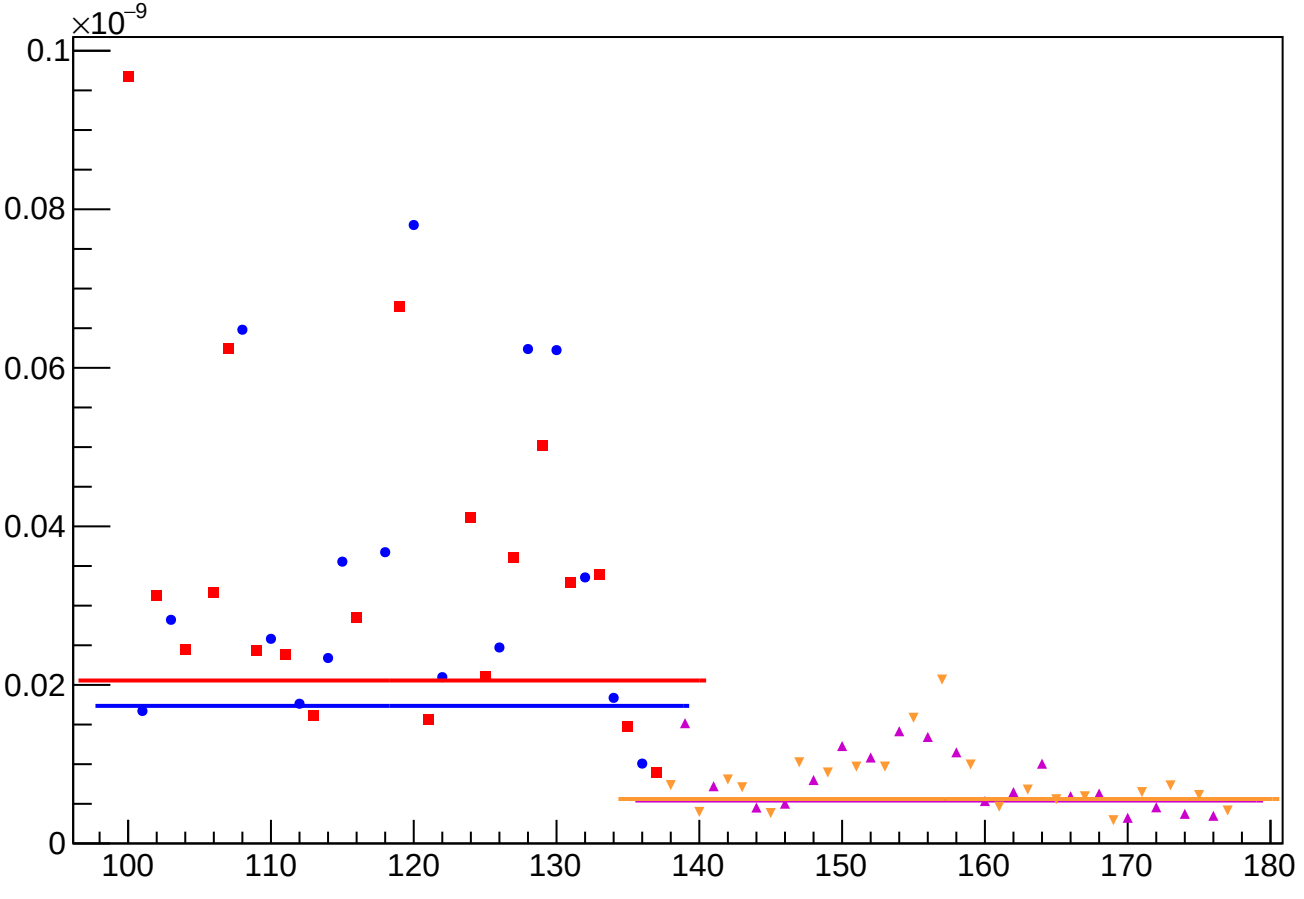
Left: -0.000+/-0.000 χ^2/NDF: 28.9/39

Right: 0.000+/-0.000 χ^2/NDF: 25.1/34

In: -0.000+/-0.000 χ^2/NDF:32.7/34

Out: -0.000+/-0.000 χ^2/NDF:25.1/39

All: -0.000+/-0.000 χ^2/NDF: 57.9/74



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2930670.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1925673.6/18

Left In: 0.000+/-0.000 χ^2/NDF:3172781.4/18

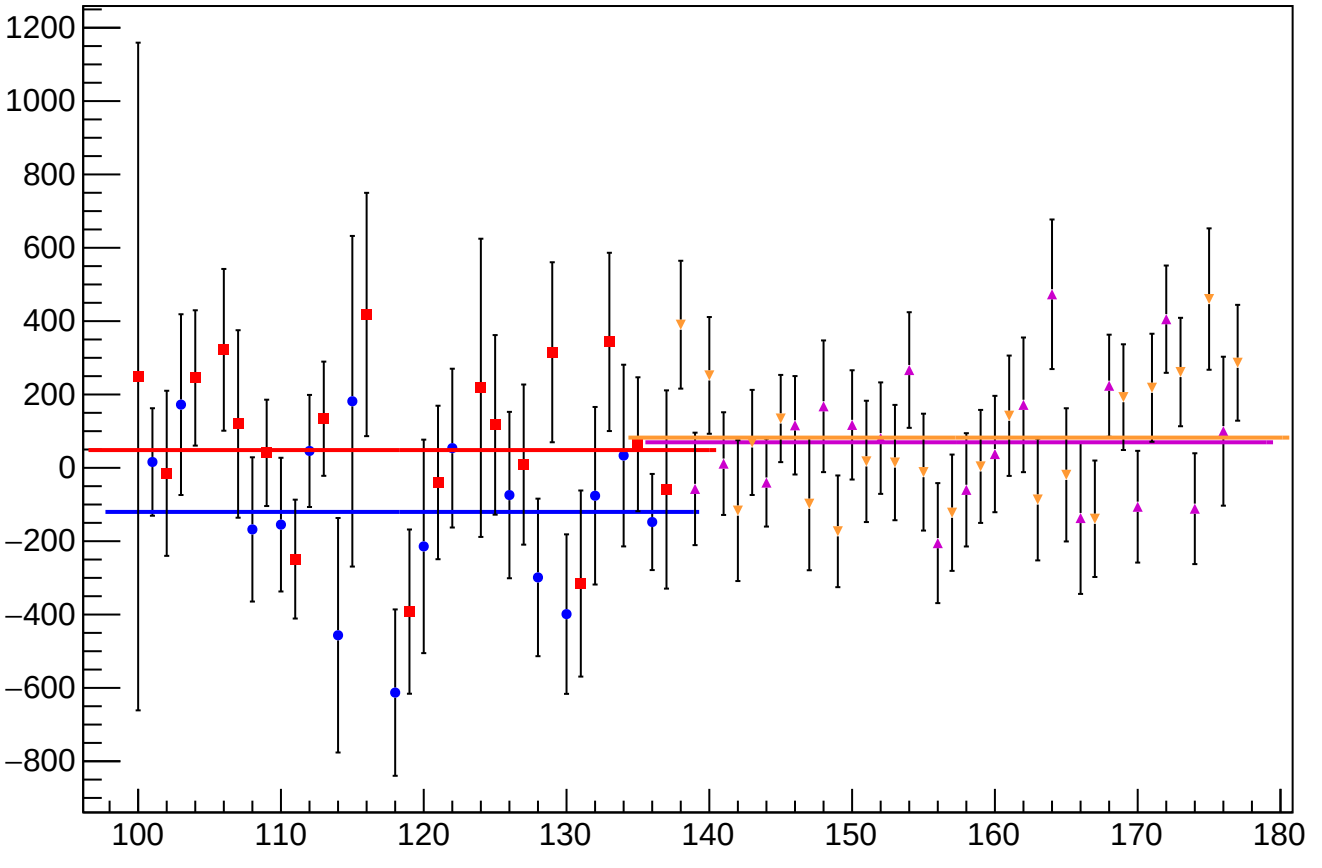
Left: 0.000+/-0.000 χ^2/NDF: 6112302.4/39

Right: 0.000+/-0.000 χ^2/NDF: 4467051.7/34

In: 0.000+/-0.000 χ^2/NDF:8662089.3/34

Out: 0.000+/-0.000 χ^2/NDF:8539866.4/39

All: 0.000+/-0.000 χ^2/NDF: 17208373.1/74



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 82.464+/-34.478 χ^2/NDF:23.8/20

Right Out: 48.449+/-49.910 χ^2/NDF: 17.0/18

Left In: 69.681+/-35.720 χ^2/NDF:21.9/18

Left: 76.299+/-24.807 χ^2/NDF: 45.7/39

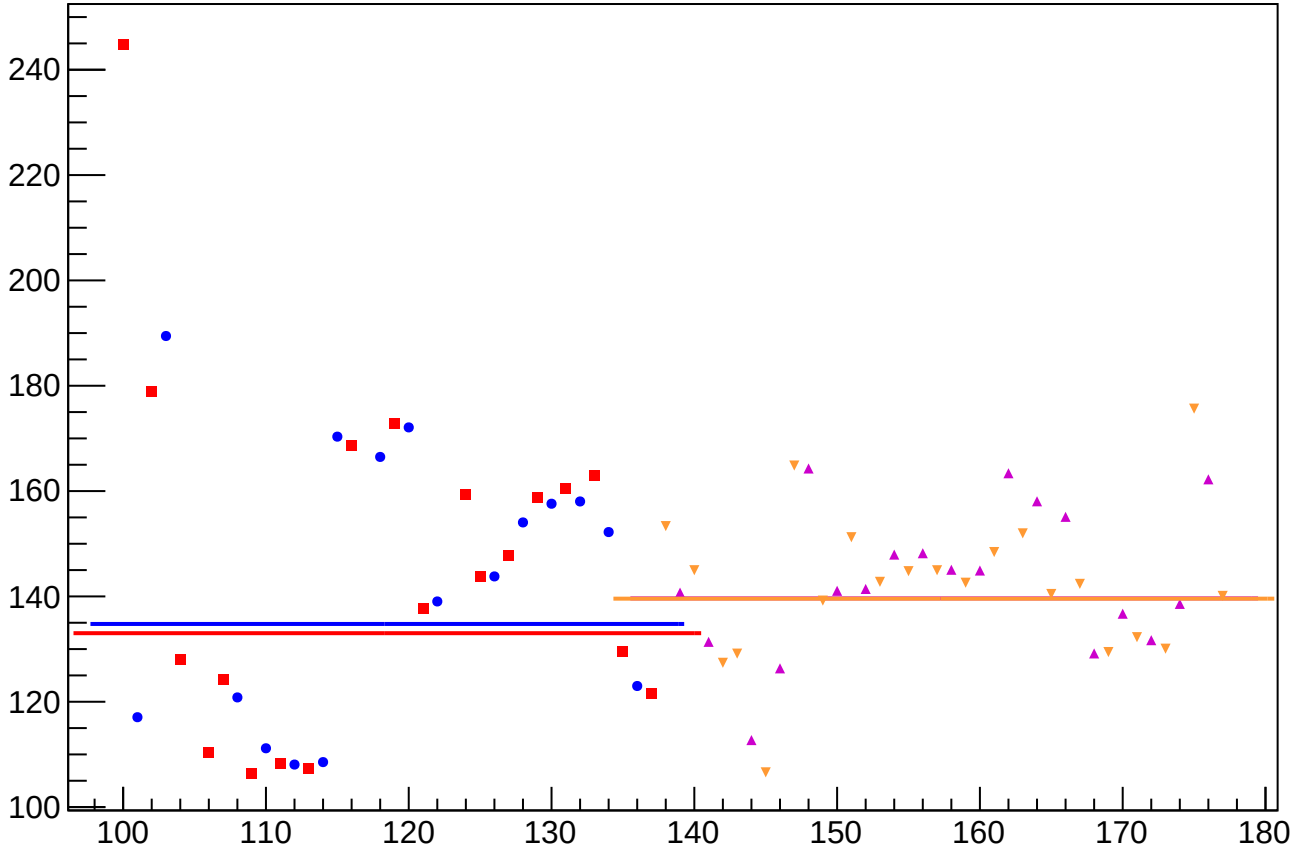
Right: -33.863+/-35.706 χ^2/NDF: 36.0/34

In: 7.372+/-29.277 χ^2/NDF:44.5/34

Out: 71.476+/-28.367 χ^2/NDF:41.1/39

All: 40.436+/-20.373 χ^2/NDF: 88.1/74

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 139.574+/-0.024 χ^2/NDF:353009.9/20

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

Left In: 139.624+/-0.025 χ^2/NDF:284973.8/18

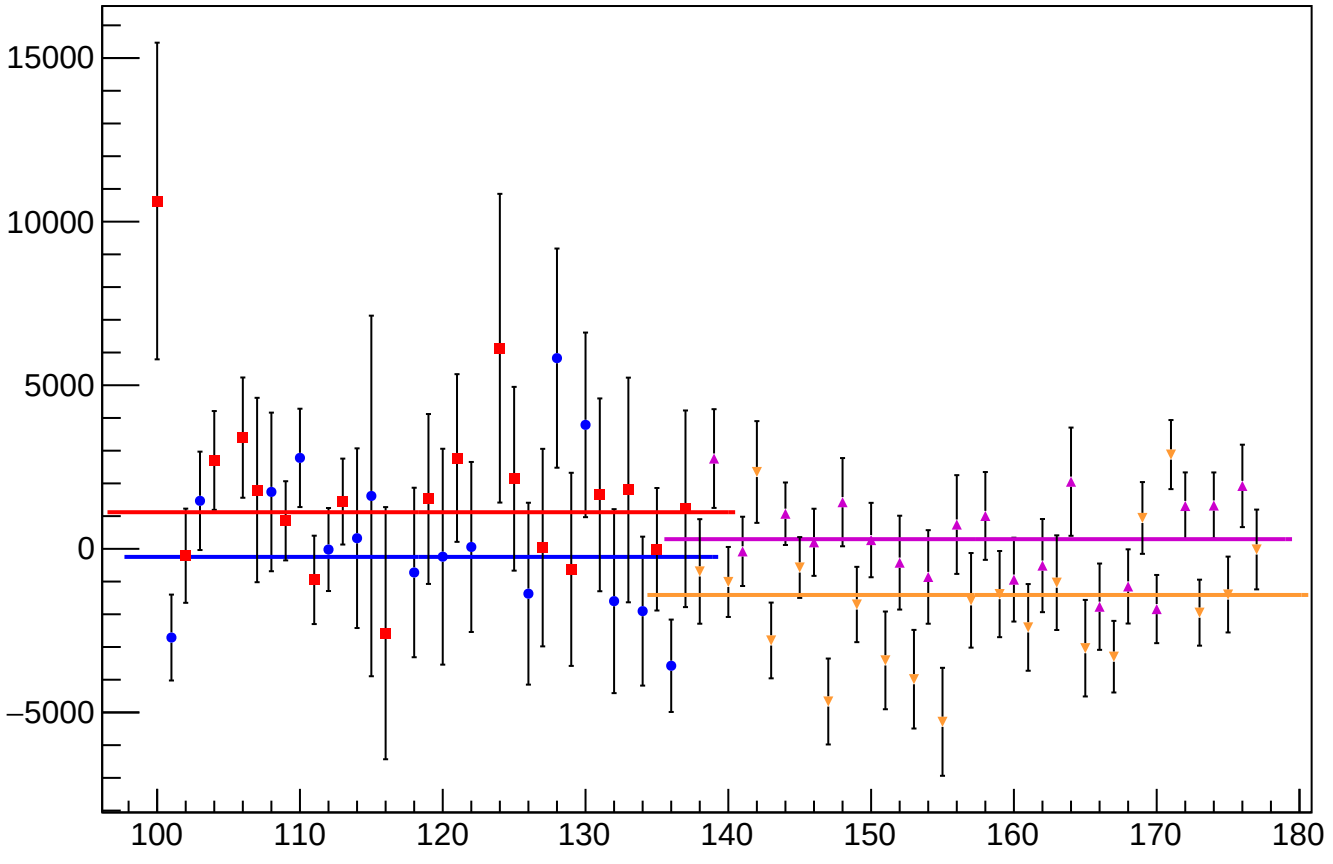
Left: 139.598+/-0.018 χ^2/NDF: 637985.7/39

Right: 133.875+/-0.025 χ^2/NDF: 913698.6/34

In: 138.031+/-0.021 χ^2/NDF:713866.7/34

Out: 137.457+/-0.020 χ^2/NDF:872080.8/39

All: 137.735+/-0.014 χ^2/NDF: 1586344.4/74



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -1409.610+/-270.174 χ^2/NDF:52.4/20

Right Out: 1119.420+/-468.400 χ^2/NDF: 13.4/18

Left In: 295.692+/-277.661 χ^2/NDF:19.8/18

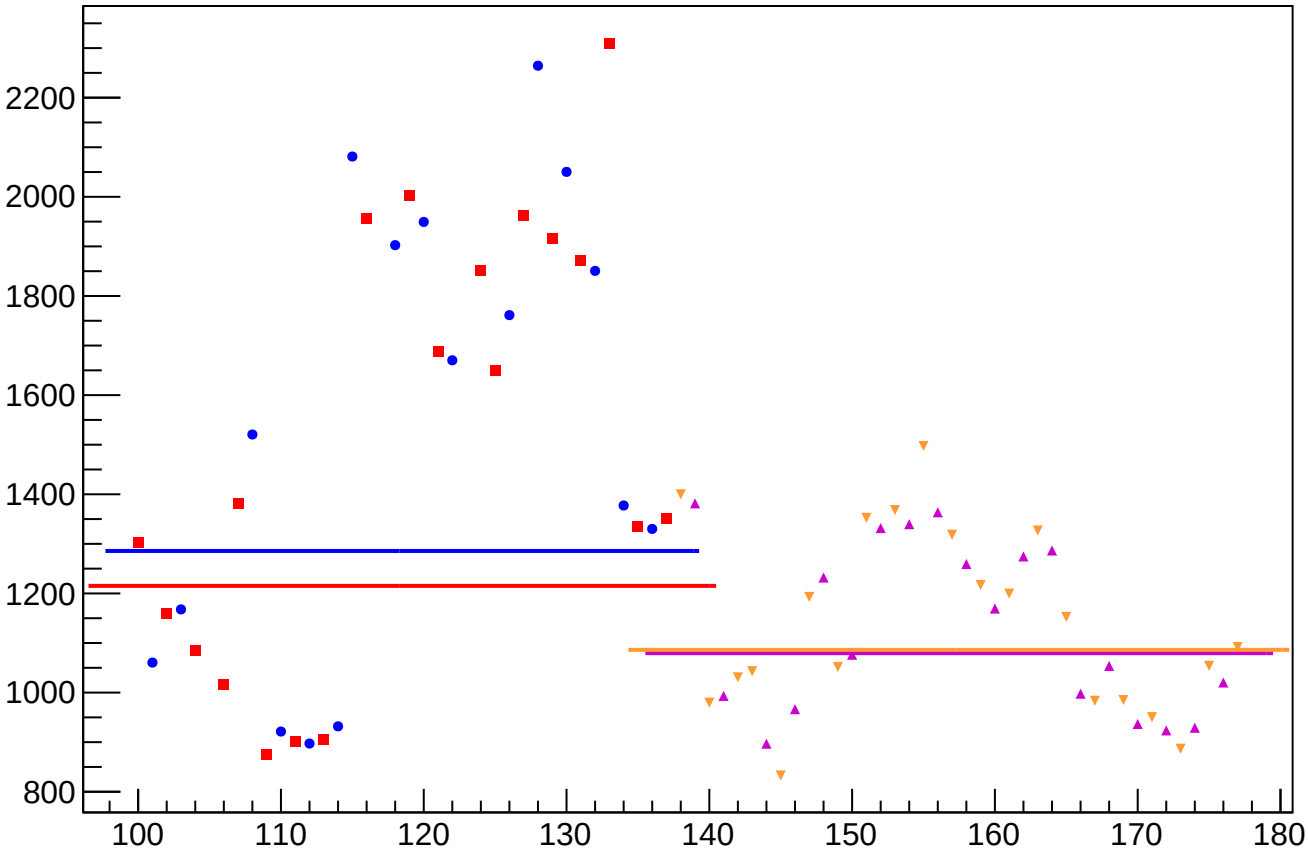
Left: -580.262+/-193.635 χ^2/NDF: 91.6/39

Right: 482.970+/-342.285 χ^2/NDF: 39.0/34

In: 168.482+/-242.905 χ^2/NDF:42.3/34

Out: -778.254+/-234.033 χ^2/NDF:87.7/39

All: -322.491+/-168.535 χ^2/NDF: 137.9/74



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 1086.212+/-0.191 χ^2/NDF:816751.3/20

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

Left In: 1079.547+/-0.196 χ^2/NDF:671221.5/18

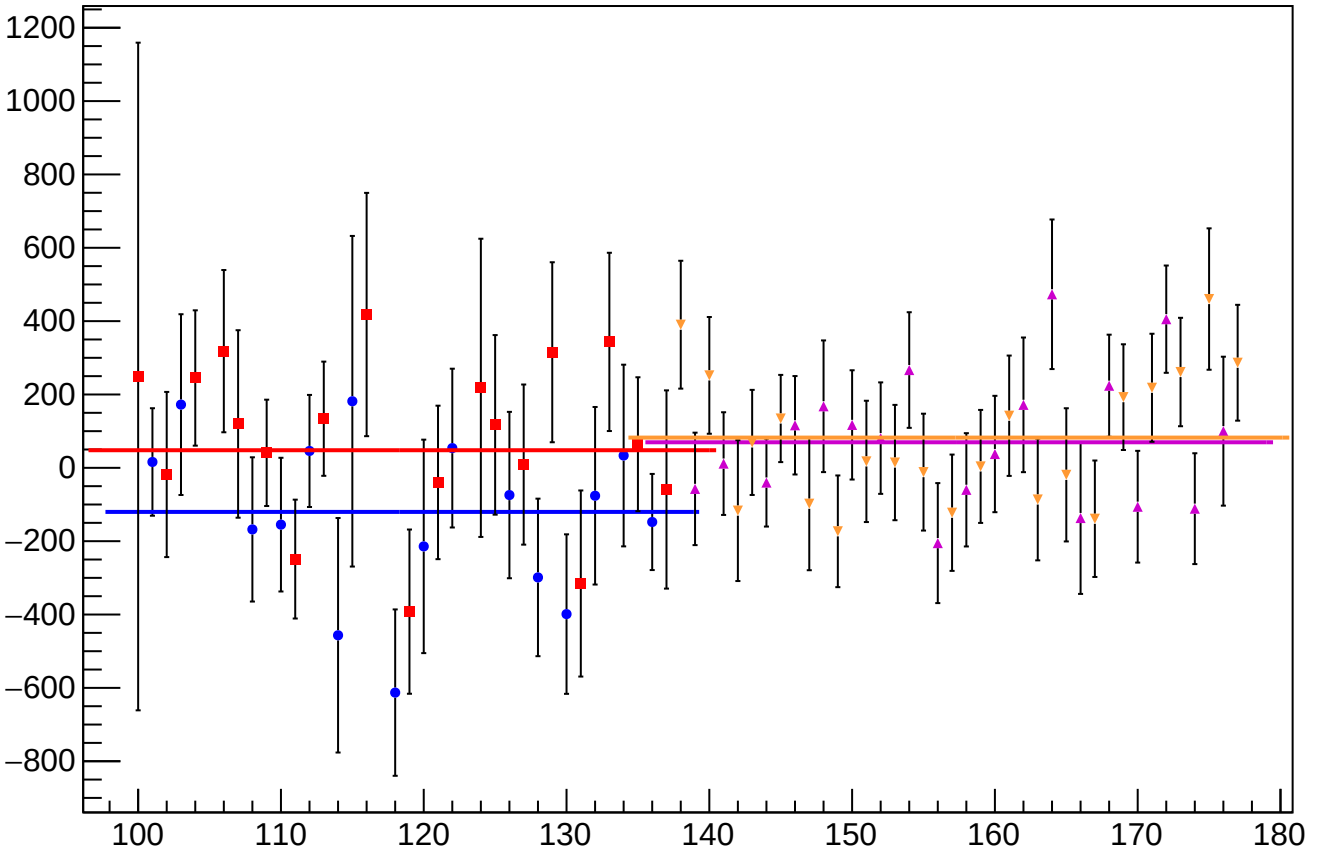
Left: 1082.971+/-0.137 χ^2/NDF: 1488564.8/39

Right: 1248.058+/-0.242 χ^2/NDF: 2577799.9/34

In: 1127.920+/-0.172 χ^2/NDF:2100315.7/34

Out: 1118.422+/-0.165 χ^2/NDF:2316912.3/39

All: 1122.995+/-0.119 χ^2/NDF: 4418813.7/74



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 82.472+/-34.478 χ^2/NDF:23.8/20

Right Out: 48.013+/-49.919 χ^2/NDF: 17.0/18

Left In: 69.682+/-35.720 χ^2/NDF:21.9/18

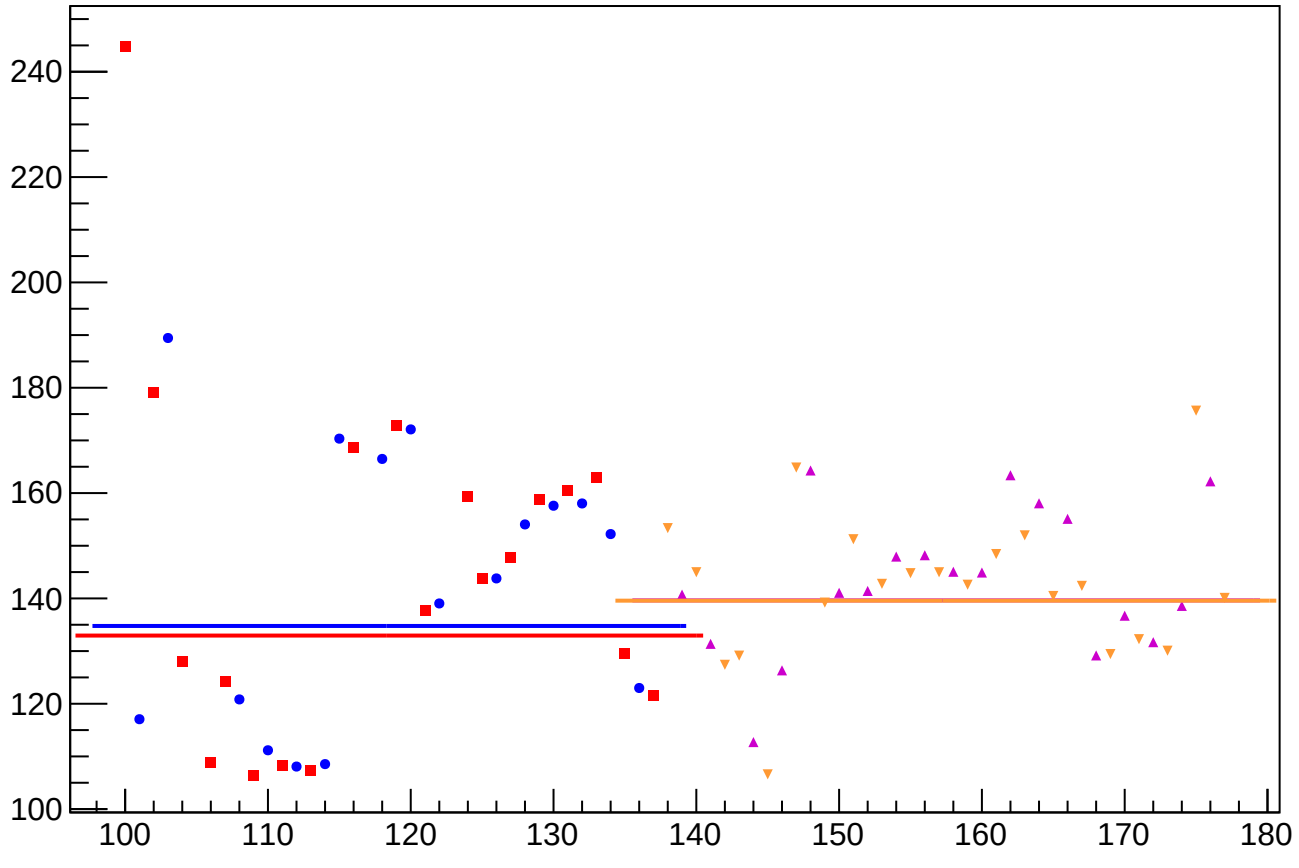
Left: 76.303+/-24.807 χ^2/NDF: 45.7/39

Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: 7.369+/-29.277 χ^2/NDF:44.5/34

Out: 71.342+/-28.369 χ^2/NDF:41.1/39

All: 40.364+/-20.373 χ^2/NDF: 88.1/74



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 139.574+/-0.024 χ^2/NDF:353009.9/20

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 139.624+/-0.025 χ^2/NDF:284973.8/18

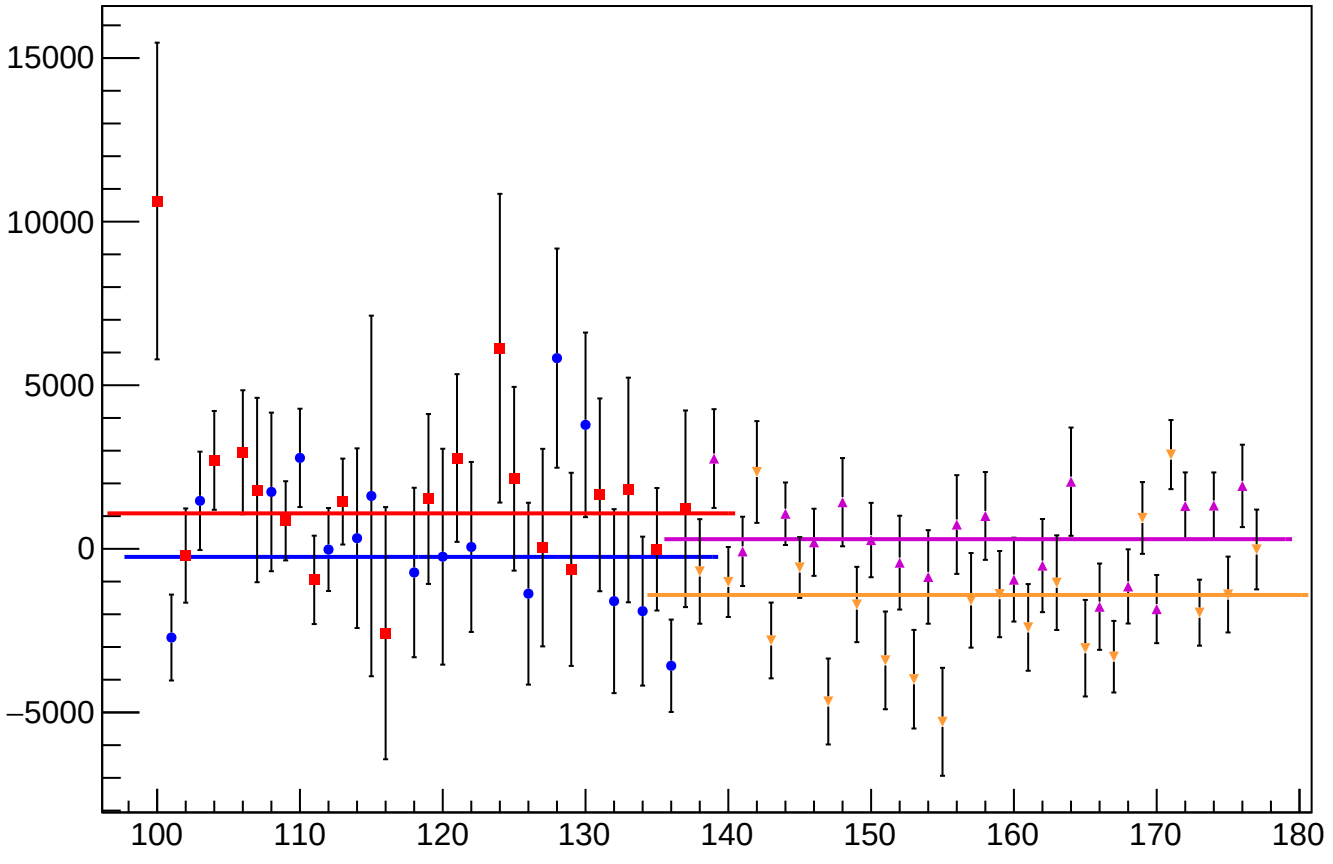
Left: 139.598+/-0.018 χ^2/NDF: 637985.7/39

Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 138.031+/-0.021 χ^2/NDF:713869.7/34

Out: 137.434+/-0.020 χ^2/NDF:875727.1/39

All: 137.723+/-0.014 χ^2/NDF: 1590025.8/74



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1409.602+/-270.174 χ^2/NDF:52.4/20

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 295.698+/-277.661 χ^2/NDF:19.8/18

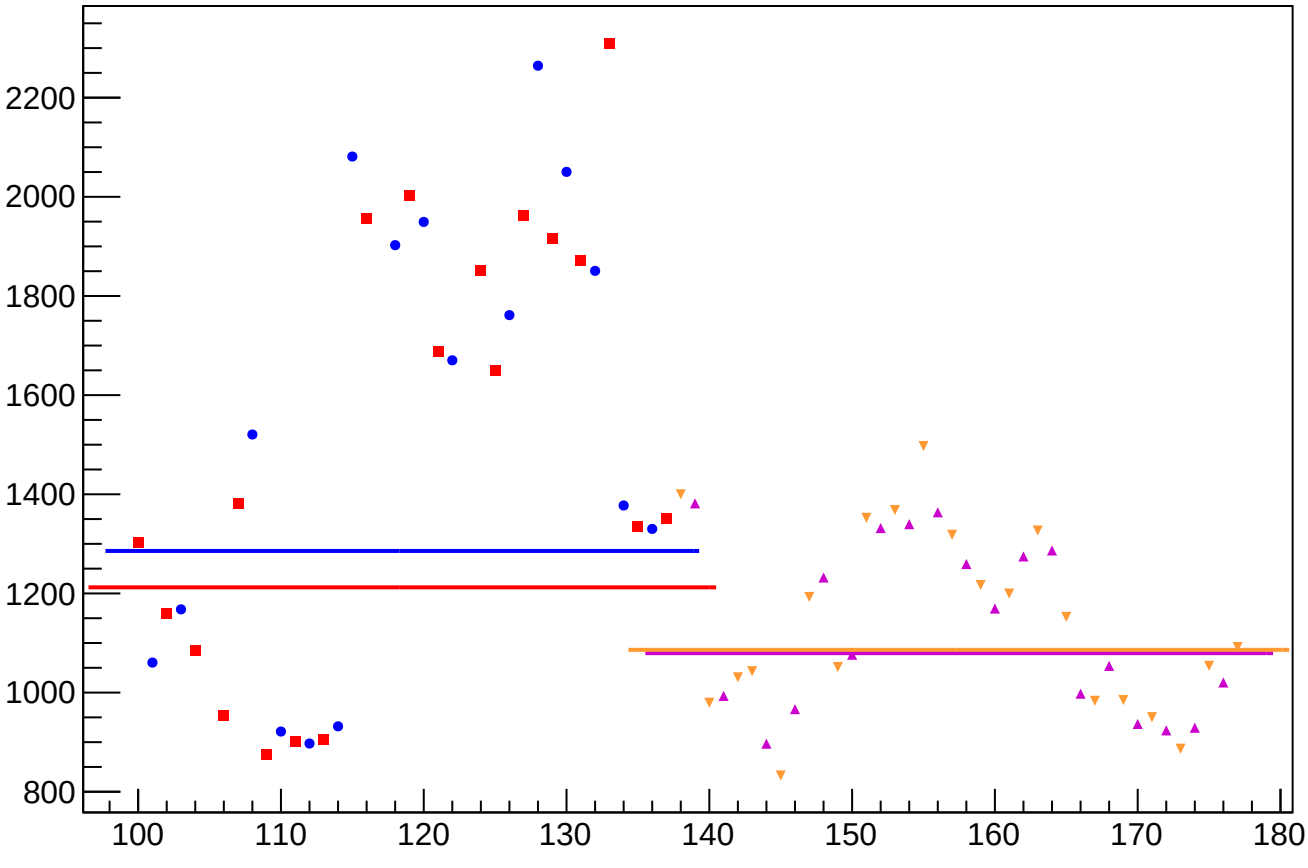
Left: -580.255+/-193.635 χ^2/NDF: 91.6/39

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 168.473+/-242.905 χ^2/NDF:42.3/34

Out: -788.906+/-234.148 χ^2/NDF:86.4/39

All: -327.786+/-168.579 χ^2/NDF: 136.7/74



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1086.212+/-0.191 χ^2/NDF:816752.1/20

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1079.547+/-0.196 χ^2/NDF:671221.2/18

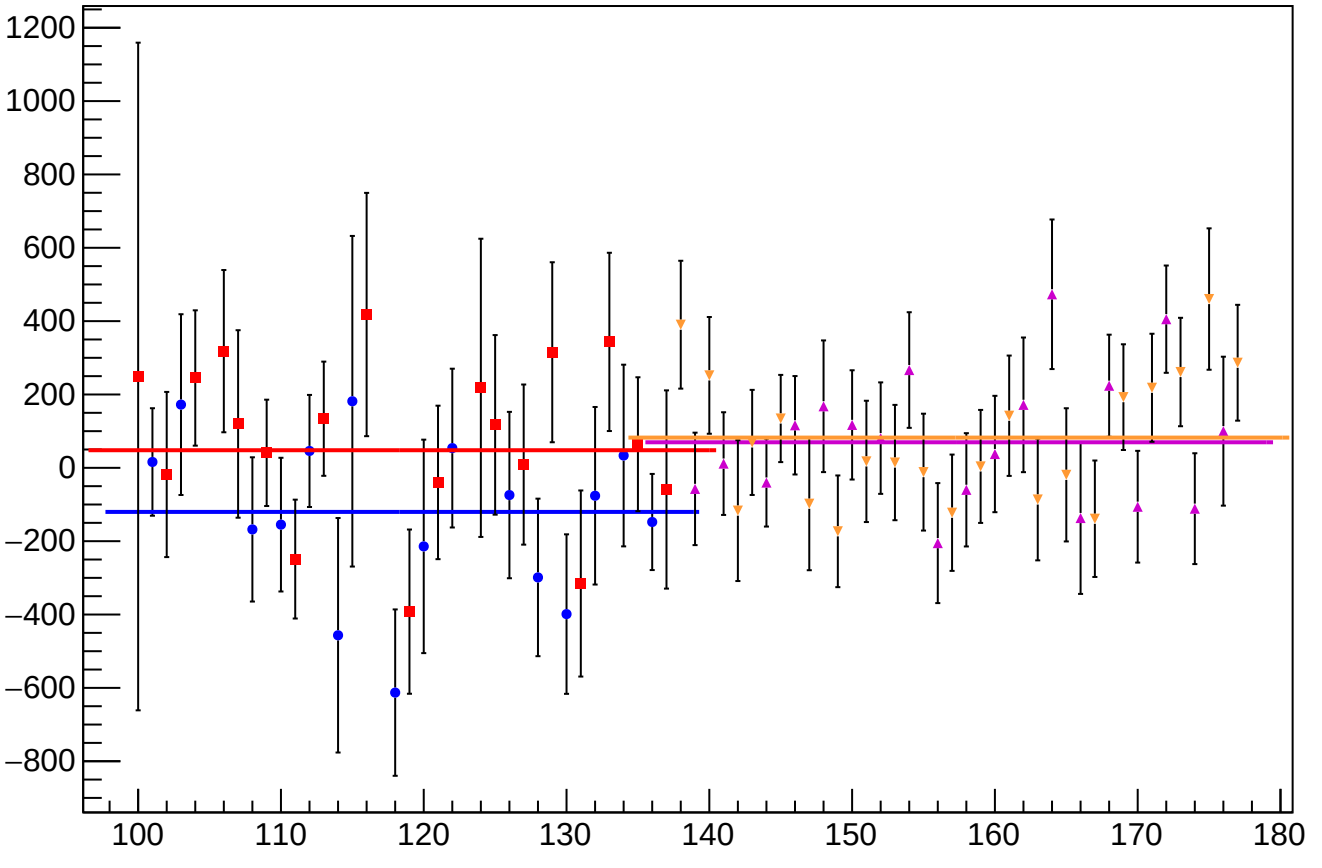
Left: 1082.971+/-0.137 χ^2/NDF: 1488565.2/39

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1127.923+/-0.172 χ^2/NDF:2100320.4/34

Out: 1117.590+/-0.166 χ^2/NDF:2325770.2/39

All: 1122.567+/-0.119 χ^2/NDF: 4427966.5/74



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 82.472+/-34.478 χ^2/NDF:23.8/20

Right Out: 48.013+/-49.919 χ^2/NDF: 17.0/18

Left In: 69.682+/-35.720 χ^2/NDF:21.9/18

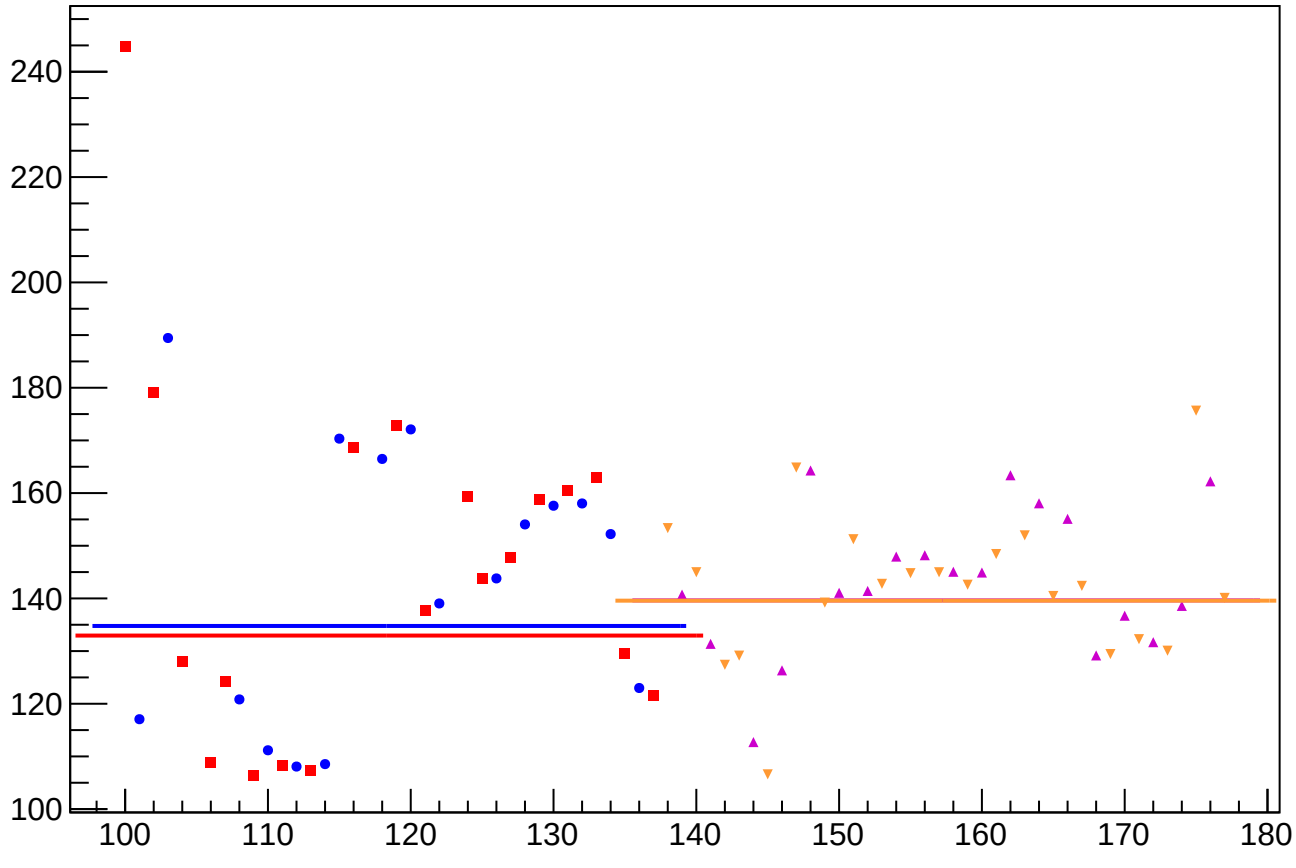
Left: 76.303+/-24.807 χ^2/NDF: 45.7/39

Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: 7.369+/-29.277 χ^2/NDF:44.5/34

Out: 71.342+/-28.369 χ^2/NDF:41.1/39

All: 40.364+/-20.373 χ^2/NDF: 88.1/74



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 139.574+/-0.024 χ^2/NDF:353009.9/20

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 139.624+/-0.025 χ^2/NDF:284973.8/18

Left: 139.598+/-0.018 χ^2/NDF: 637985.7/39

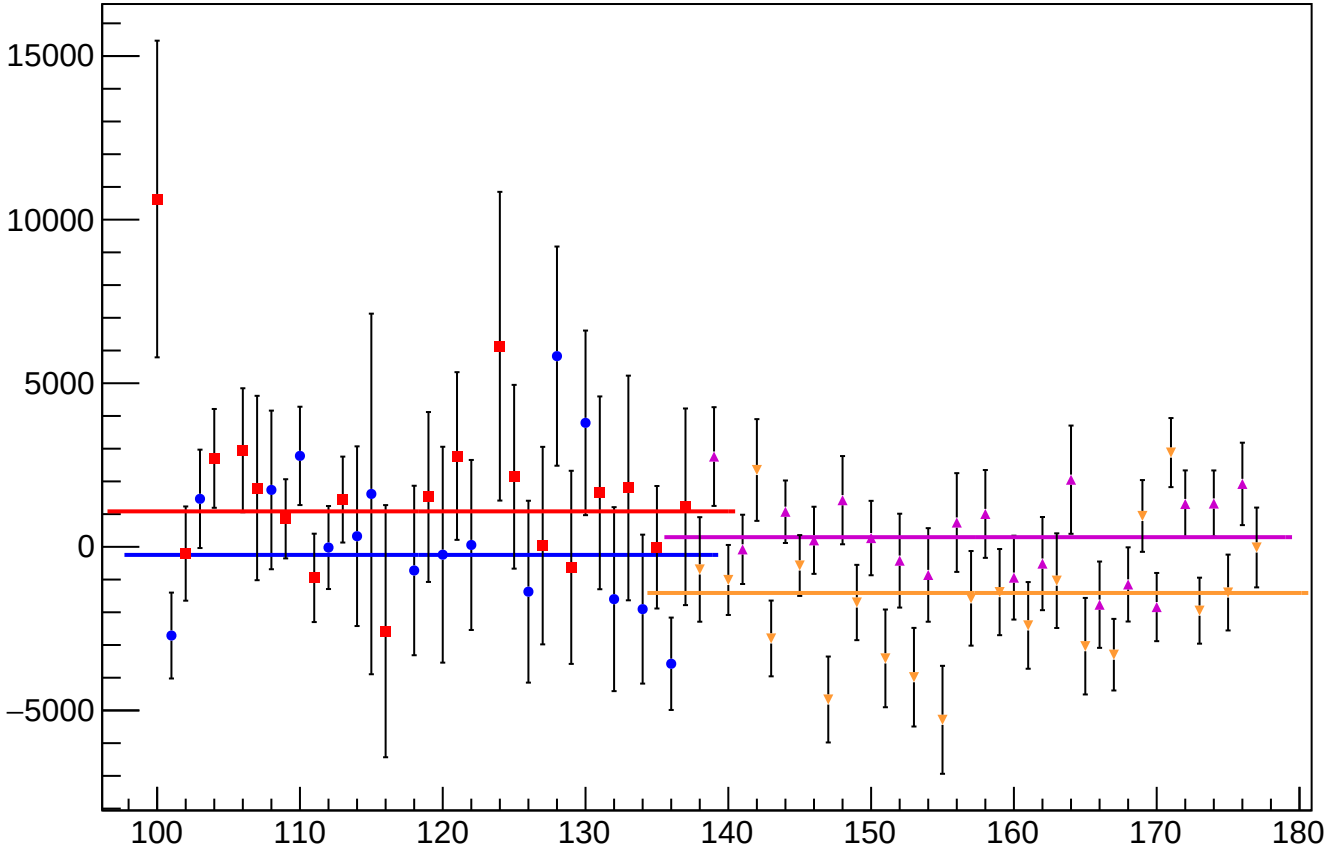
Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 138.031+/-0.021 χ^2/NDF:713869.7/34

Out: 137.434+/-0.020 χ^2/NDF:875727.1/39

All: 137.723+/-0.014 χ^2/NDF: 1590025.8/74

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: -1409.602+/-270.174 χ^2/NDF:52.4/20

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 295.698+/-277.661 χ^2/NDF:19.8/18

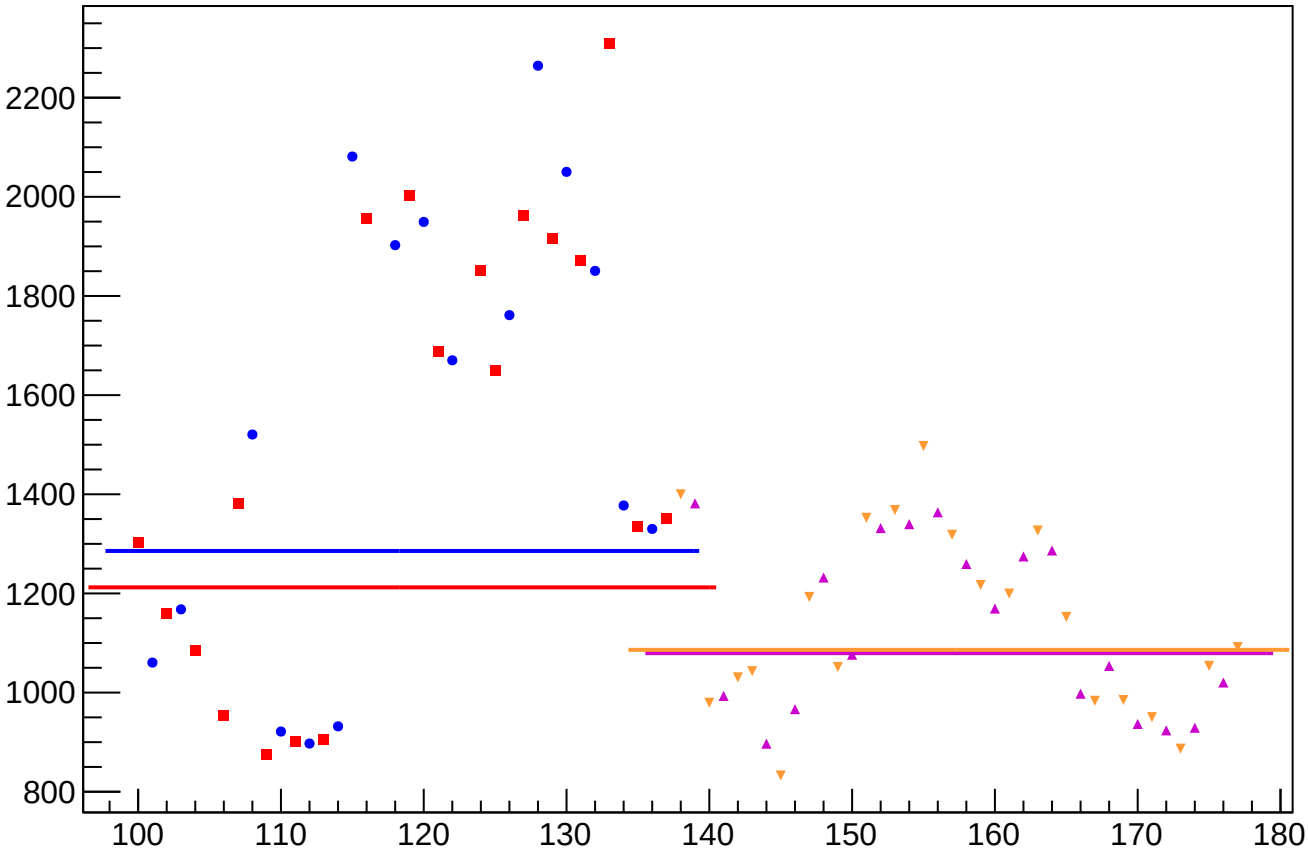
Left: -580.255+/-193.635 χ^2/NDF: 91.6/39

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 168.473+/-242.905 χ^2/NDF:42.3/34

Out: -788.906+/-234.148 χ^2/NDF:86.4/39

All: -327.786+/-168.579 χ^2/NDF: 136.7/74



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1086.212+/-0.191 χ^2/NDF:816752.1/20

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1079.547+/-0.196 χ^2/NDF:671221.2/18

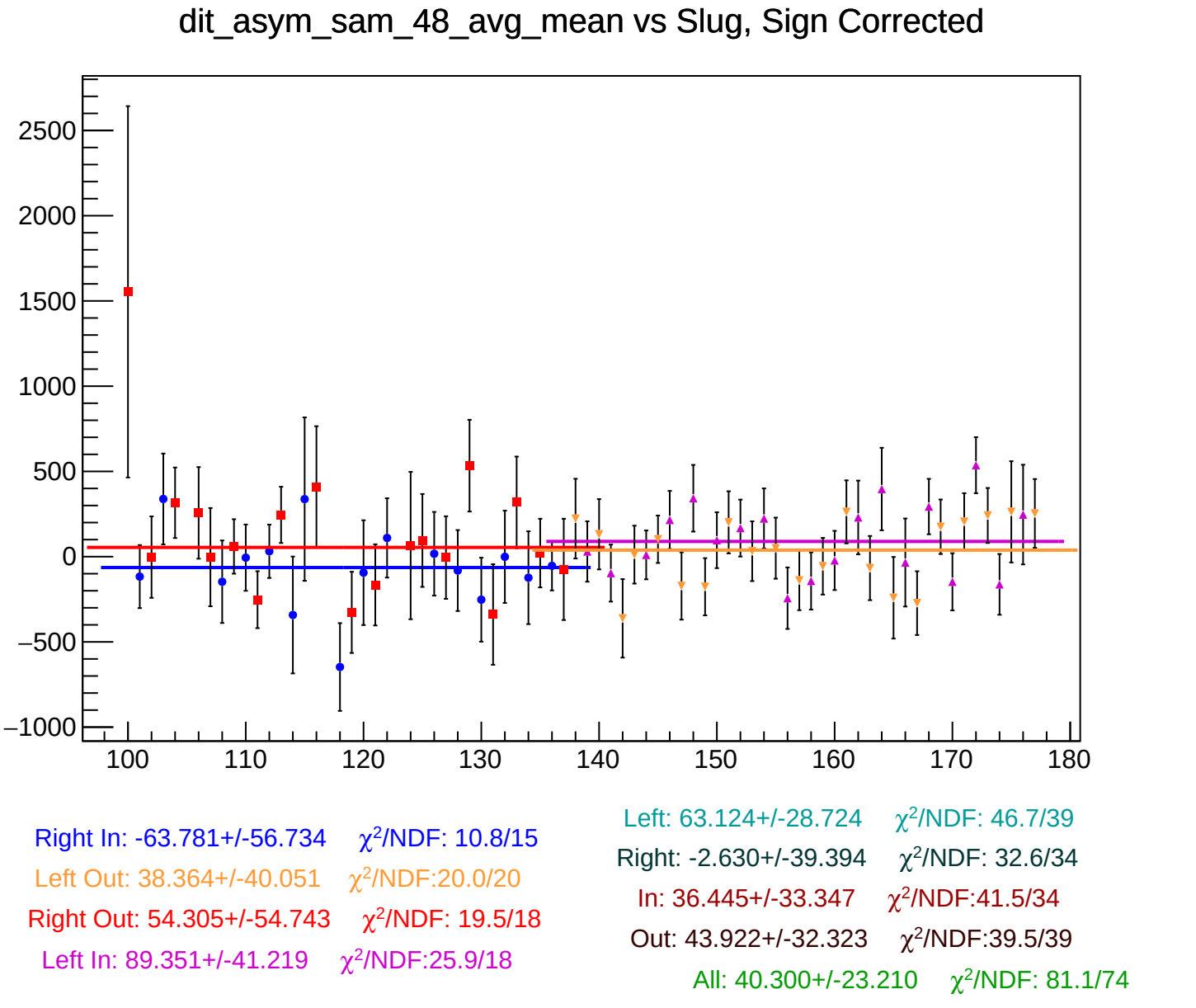
Left: 1082.971+/-0.137 χ^2/NDF: 1488565.2/39

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1127.923+/-0.172 χ^2/NDF:2100320.4/34

Out: 1117.590+/-0.166 χ^2/NDF:2325770.2/39

All: 1122.567+/-0.119 χ^2/NDF: 4427966.5/74


dit_asym_sam_48_avg_mean vs Slug, Sign Corrected
2500
2000
1500
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0
−500
−1000
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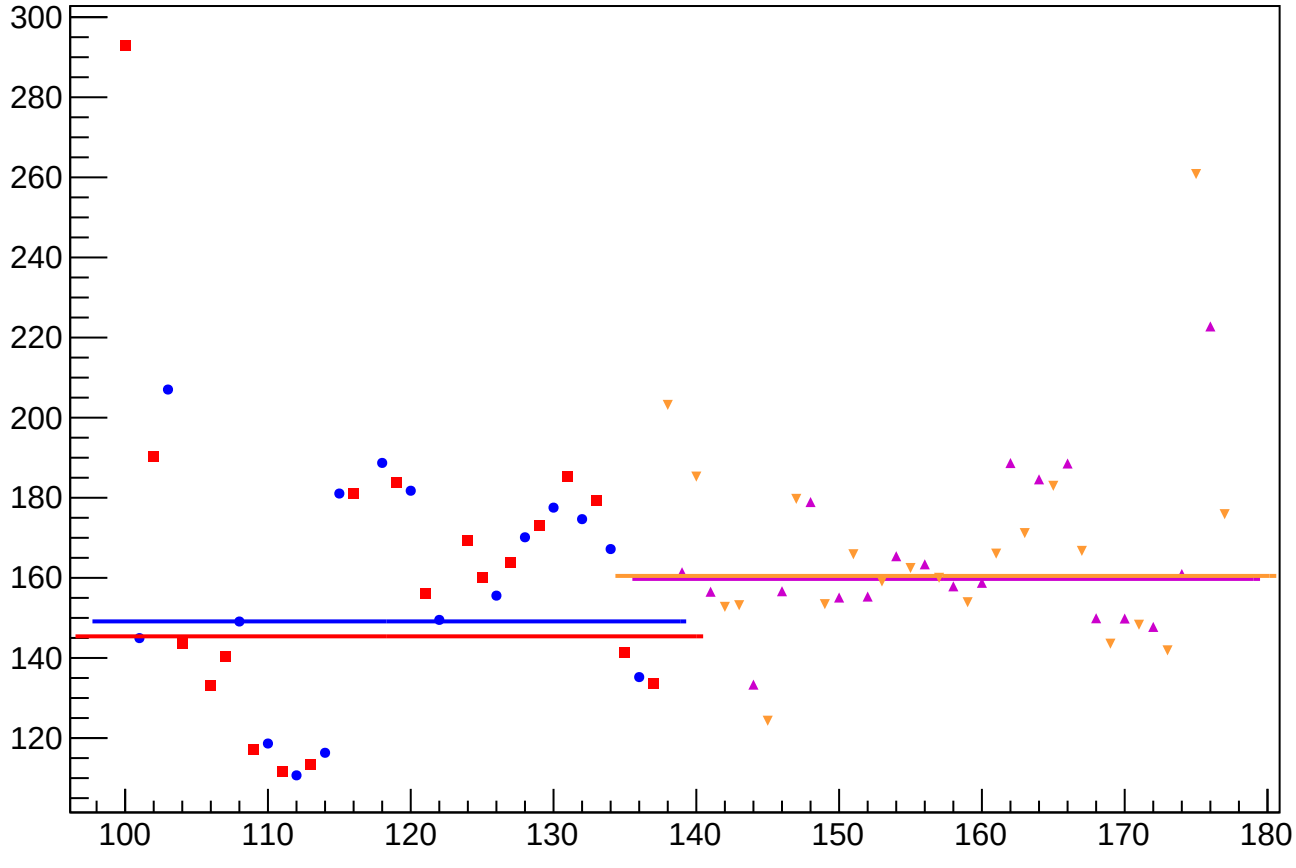
120
130
140
150
160
170
180
Right In: -63.781+/-56.734 χ²/NDF: 10.8/15
Left Out: 38.364+/-40.051 χ²/NDF:20.0/20
Right Out: 54.305+/-54.743 χ²/NDF: 19.5/18
Left In: 89.351+/-41.219 χ²/NDF:25.9/18
Left: 63.124+/-28.724 χ²/NDF: 46.7/39
Right: -2.630+/-39.394 χ²/NDF: 32.6/34
In: 36.445+/-33.347 χ²/NDF:41.5/34
Out: 43.922+/-32.323 χ²/NDF:39.5/39
All: 40.300+/-23.210 χ²/NDF: 81.1/74



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 160.486+/-0.028 χ^2/NDF:592176.6/20

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

Left In: 159.739+/-0.029 χ^2/NDF:294798.6/18

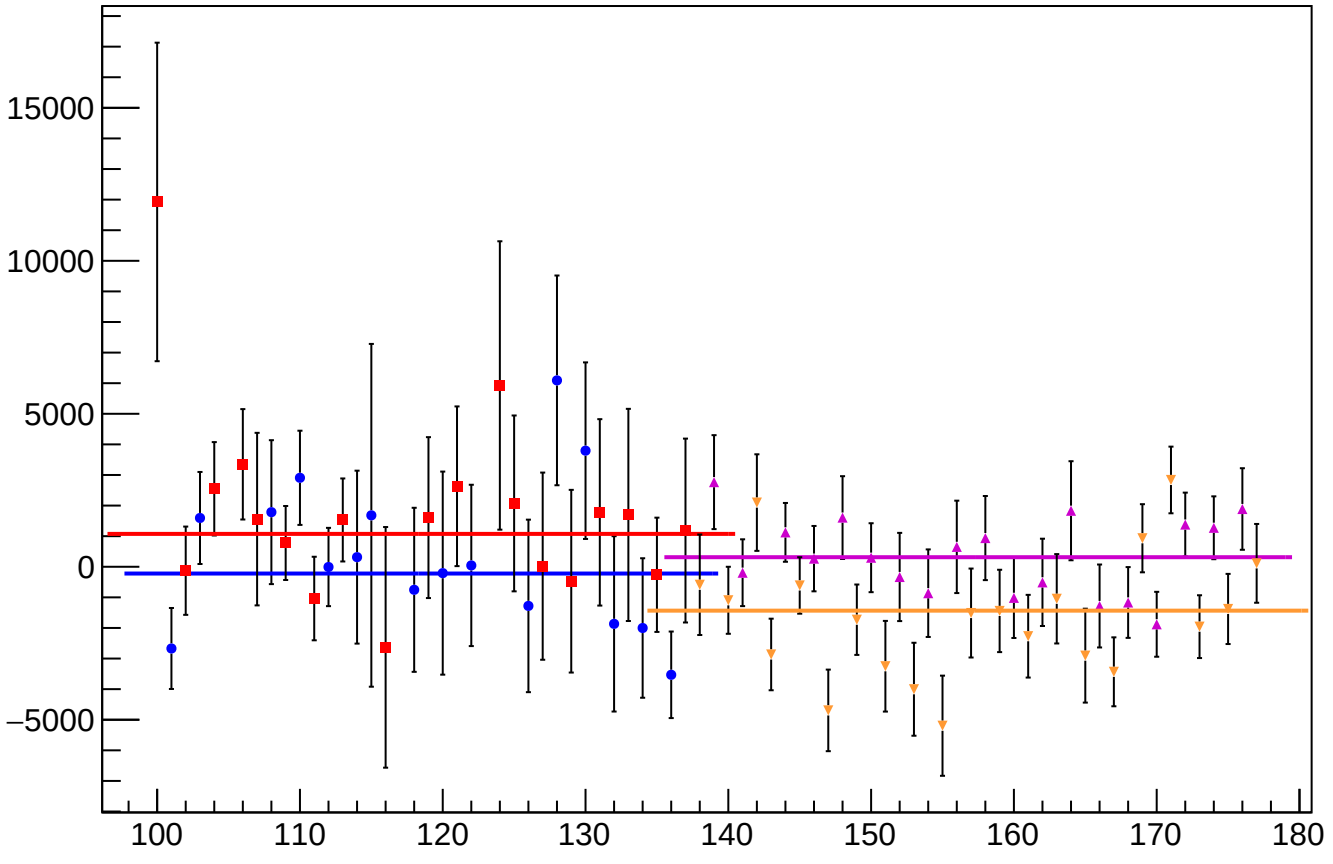
Left: 160.123+/-0.020 χ^2/NDF: 887313.4/39

Right: 147.198+/-0.028 χ^2/NDF: 981303.1/34

In: 156.074+/-0.024 χ^2/NDF:791570.1/34

Out: 155.226+/-0.023 χ^2/NDF:1216941.1/39

All: 155.637+/-0.016 χ^2/NDF: 2009177.2/74



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -1434.207+/-274.119 χ^2/NDF:49.5/20

Right Out: 1074.433+/-472.816 χ^2/NDF: 13.6/18

Left In: 312.638+/-282.214 χ^2/NDF:18.4/18

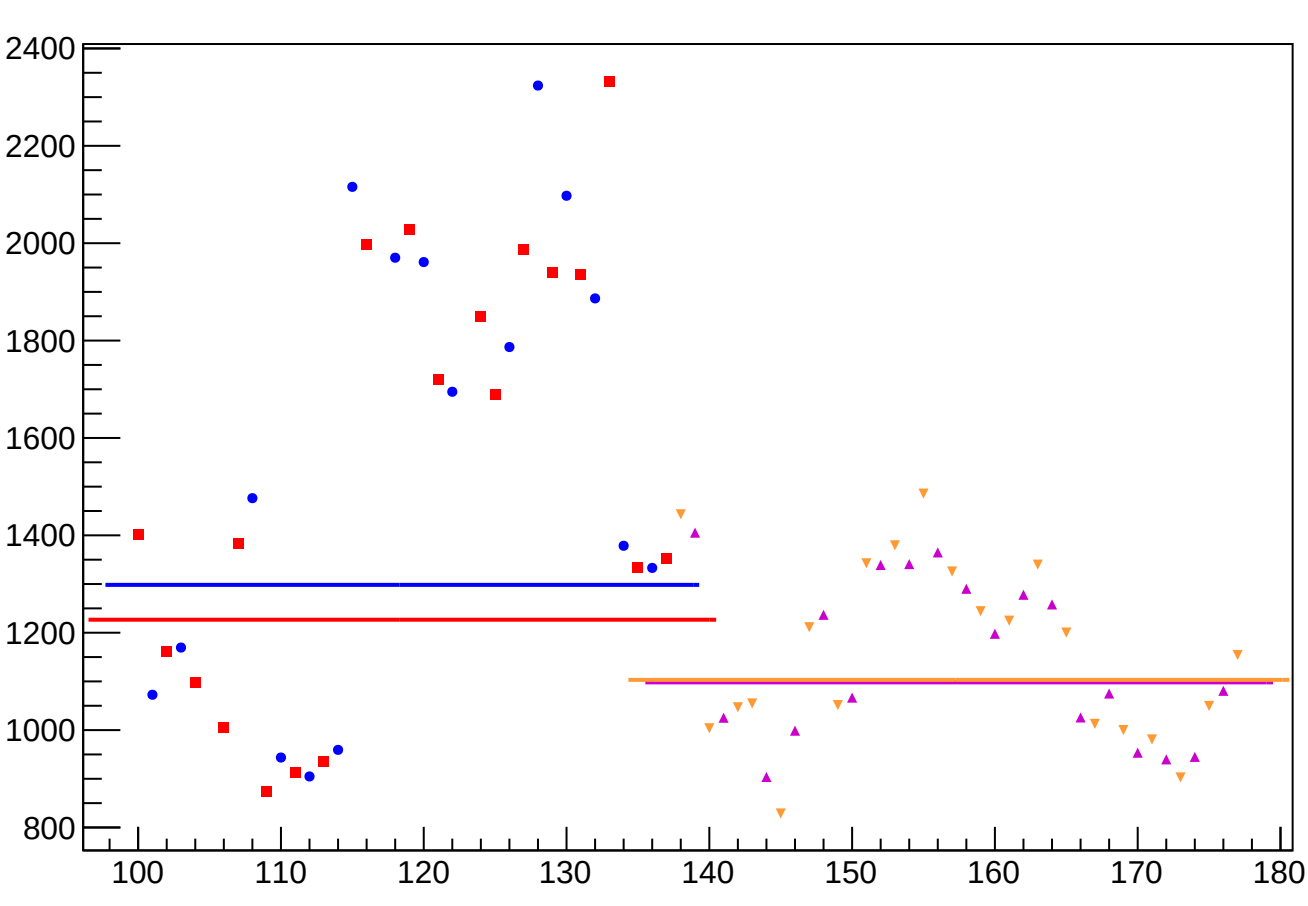
Left: -586.197+/-196.631 χ^2/NDF: 87.6/39

Right: 470.729+/-345.532 χ^2/NDF: 39.0/34

In: 186.045+/-246.494 χ^2/NDF:41.1/34

Out: -803.124+/-237.146 χ^2/NDF:84.2/39

All: -327.651+/-170.897 χ^2/NDF: 133.6/74



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1103.195+/-0.194 χ^2/NDF:814406.4/20

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

Left In: 1098.019+/-0.200 χ^2/NDF:622836.0/18

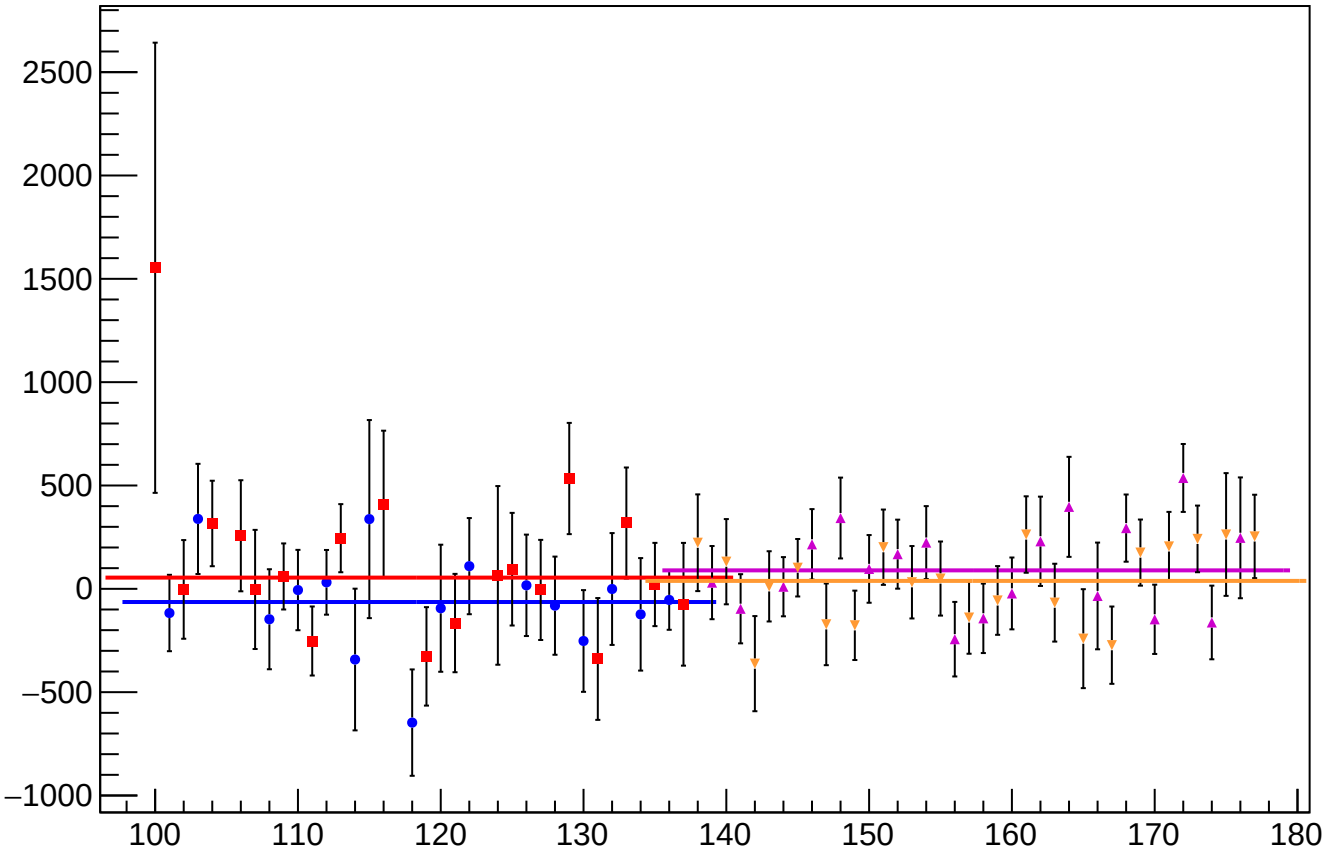
Left: 1100.682+/-0.139 χ^2/NDF: 1437588.4/39

Right: 1260.073+/-0.244 χ^2/NDF: 2607993.3/34

In: 1145.508+/-0.174 χ^2/NDF:2043788.0/34

Out: 1134.271+/-0.168 χ^2/NDF:2321109.6/39

All: 1139.673+/-0.121 χ^2/NDF: 4367056.2/74



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: 38.366+/-40.051 χ^2/NDF:20.0/20

Right Out: 54.304+/-54.743 χ^2/NDF: 19.5/18

Left In: 89.350+/-41.219 χ^2/NDF:25.9/18

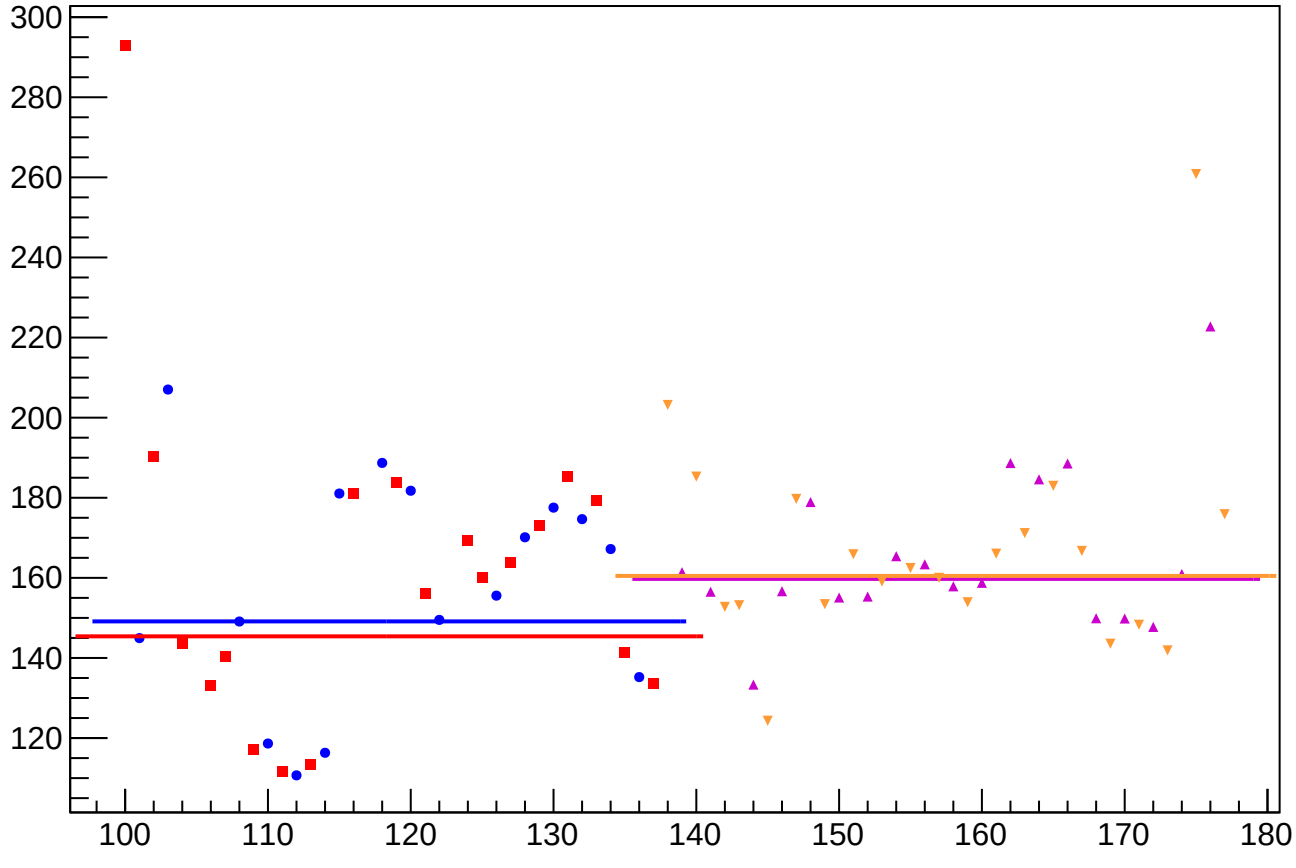
Left: 63.125+/-28.724 χ^2/NDF: 46.7/39

Right: -2.629+/-39.394 χ^2/NDF: 32.6/34

In: 36.446+/-33.347 χ^2/NDF:41.5/34

Out: 43.923+/-32.323 χ^2/NDF:39.5/39

All: 40.301+/-23.210 χ^2/NDF: 81.1/74


eigen_dit_asym_sam_48_avg_rms vs Slug, Sign Corrected
300
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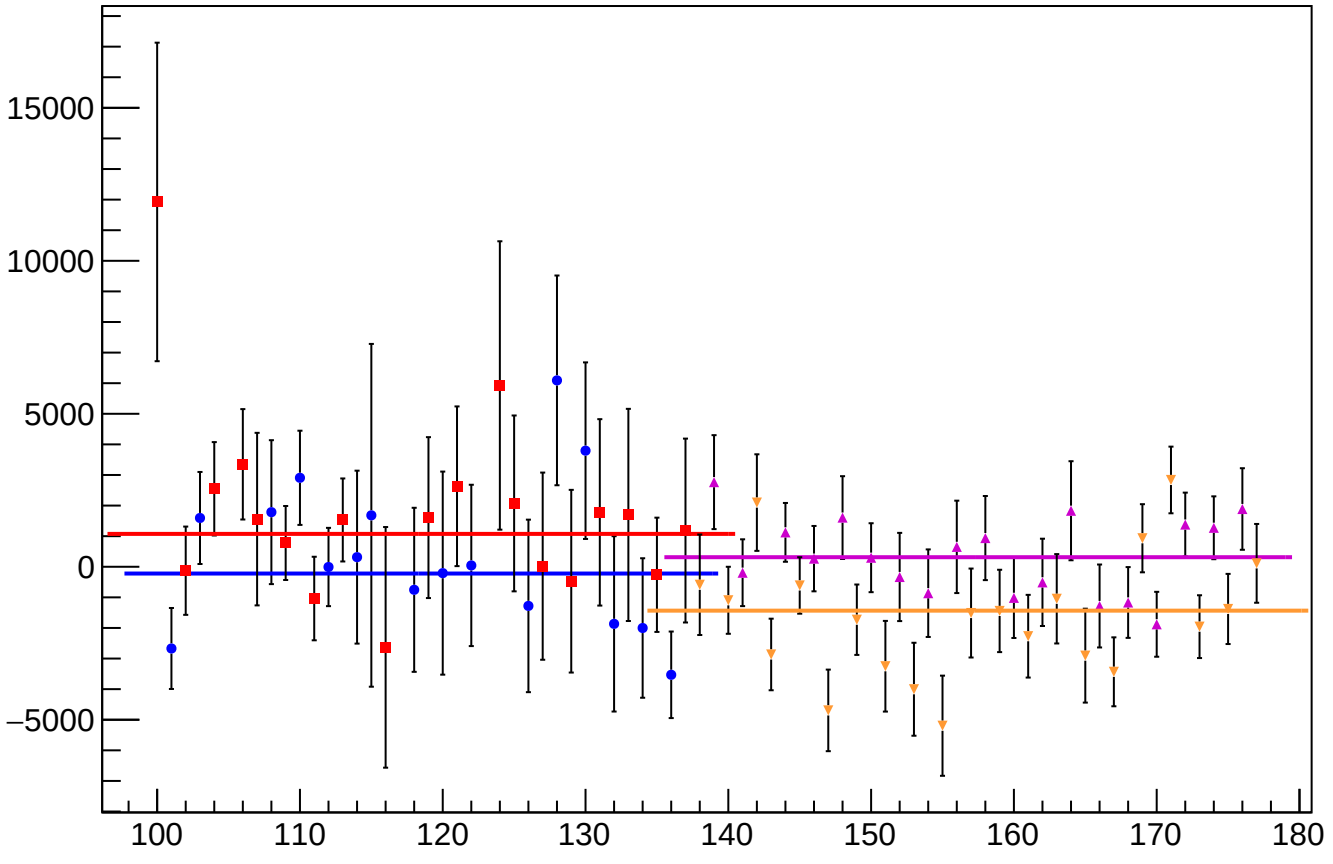
170
180
Right In: 149.130+/-0.040 χ²/NDF: 451005.1/15
Left Out: 160.486+/-0.028 χ²/NDF:592168.3/20
Right Out: 145.399+/-0.039 χ²/NDF: 525822.2/18
Left In: 159.739+/-0.029 χ²/NDF:294792.6/18
Left: 160.123+/-0.020 χ²/NDF: 887299.1/39
Right: 147.198+/-0.028 χ²/NDF: 981307.0/34
In: 156.074+/-0.024 χ²/NDF:791567.8/34
Out: 155.226+/-0.023 χ²/NDF:1216939.0/39
All: 155.637+/-0.016 χ²/NDF: 2009172.9/74



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -1434.204+/-274.118 χ^2/NDF:49.5/20

Right Out: 1074.432+/-472.816 χ^2/NDF: 13.6/18

Left In: 312.636+/-282.214 χ^2/NDF:18.4/18

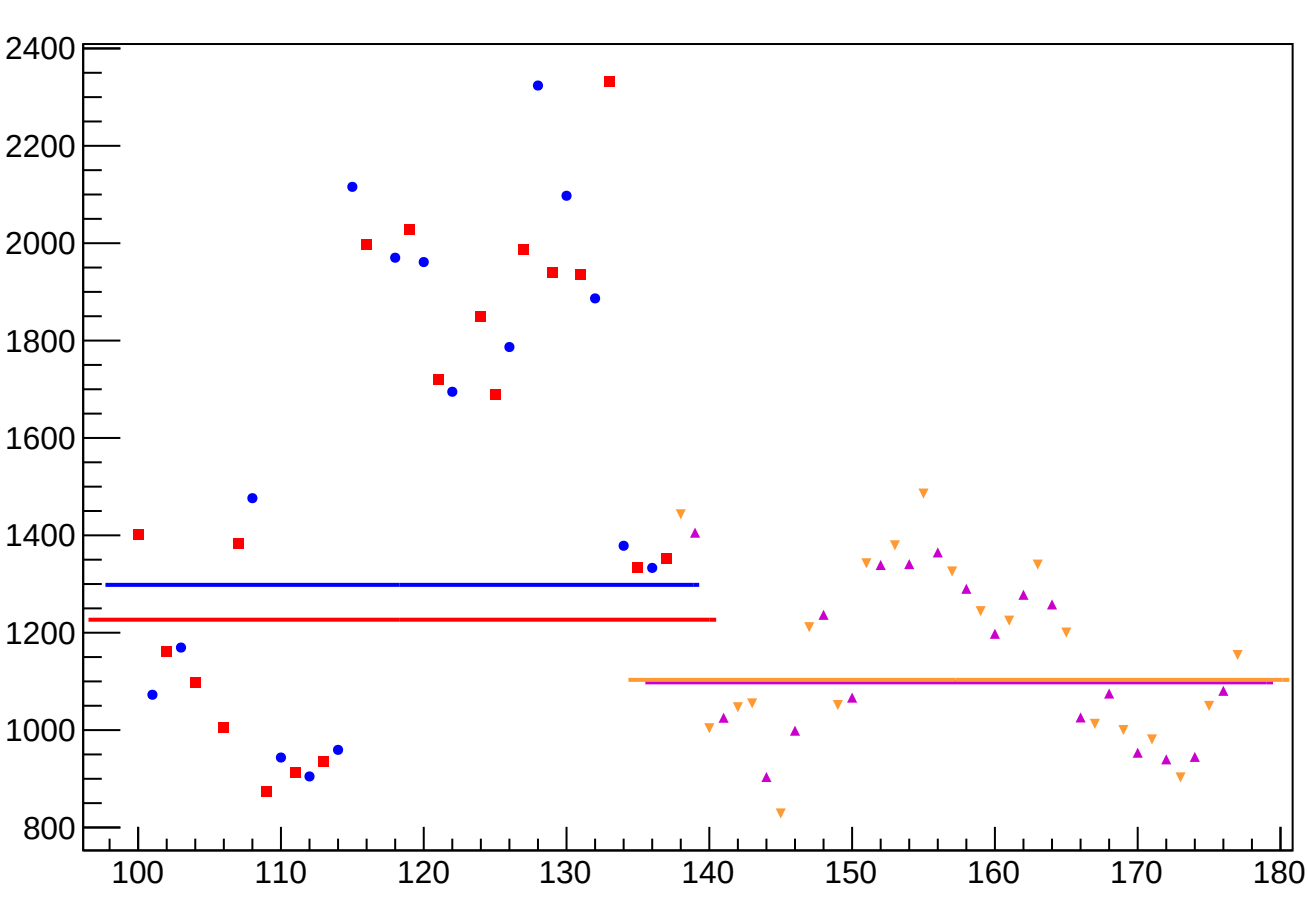
Left: -586.197+/-196.631 χ^2/NDF: 87.6/39

Right: 470.728+/-345.531 χ^2/NDF: 39.0/34

In: 186.044+/-246.494 χ^2/NDF:41.1/34

Out: -803.123+/-237.146 χ^2/NDF:84.2/39

All: -327.651+/-170.897 χ^2/NDF: 133.6/74


asym_sam_48_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
2400
2200
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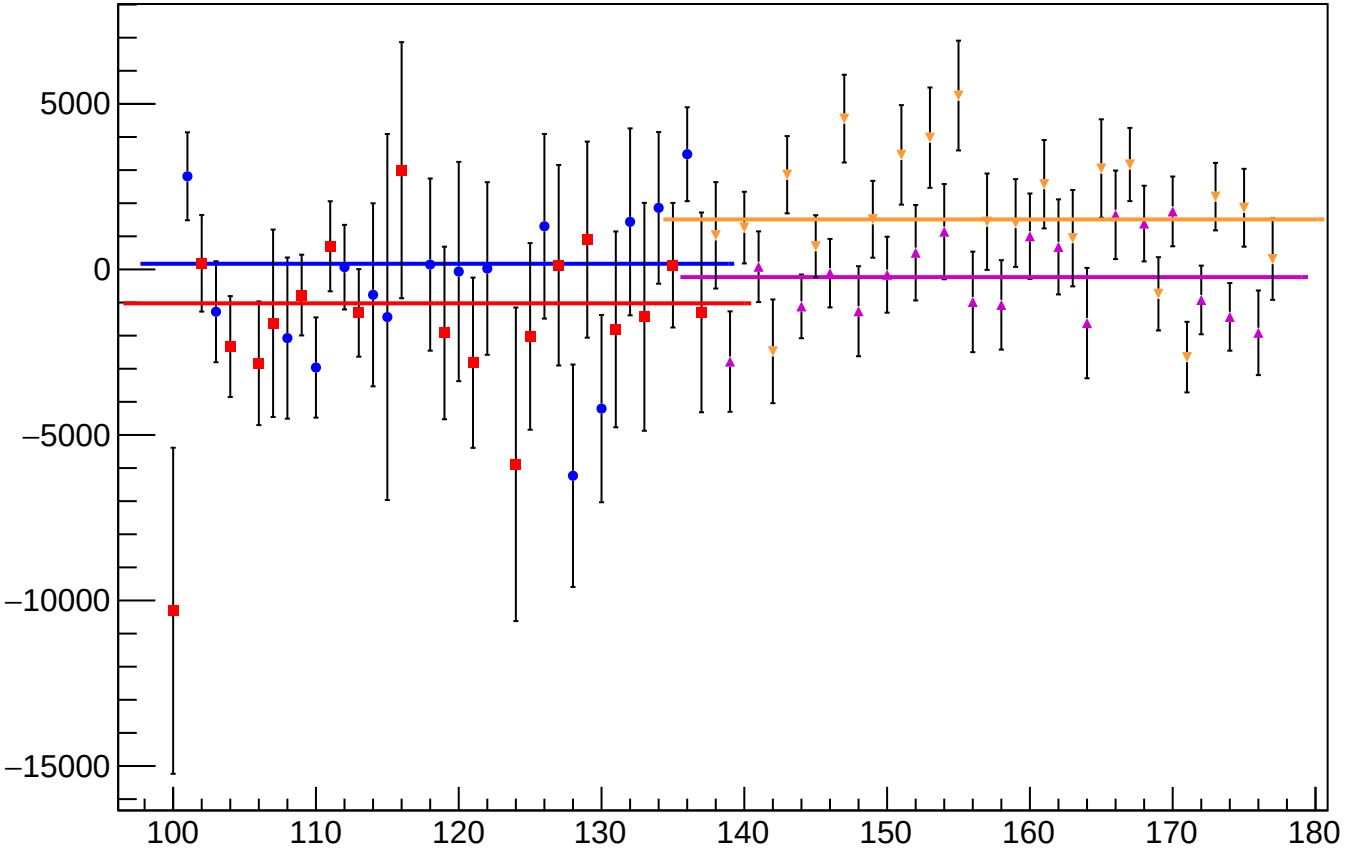
150
160
170
180
Right In: 1298.292+/-0.358 χ²/NDF: 1182127.2/15
Left Out: 1103.193+/-0.194 χ²/NDF:814410.0/20
Right Out: 1226.727+/-0.334 χ²/NDF: 1404524.7/18
Left In: 1098.018+/-0.200 χ²/NDF:622837.3/18
Left: 1100.680+/-0.139 χ²/NDF: 1437593.4/39
Right: 1260.072+/-0.244 χ²/NDF: 2608000.5/34
In: 1145.506+/-0.174 χ²/NDF:2043795.0/34
Out: 1134.269+/-0.168 χ²/NDF:2321117.3/39
All: 1139.671+/-0.121 χ²/NDF: 4367070.8/74

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1510.578+/-272.564 χ^2/NDF:48.3/20

Right Out: -1023.699+/-472.008 χ^2/NDF: 11.6/18

Left In: -232.533+/-280.149 χ^2/NDF:19.3/18

Left: 662.941+/-195.358 χ^2/NDF: 87.5/39

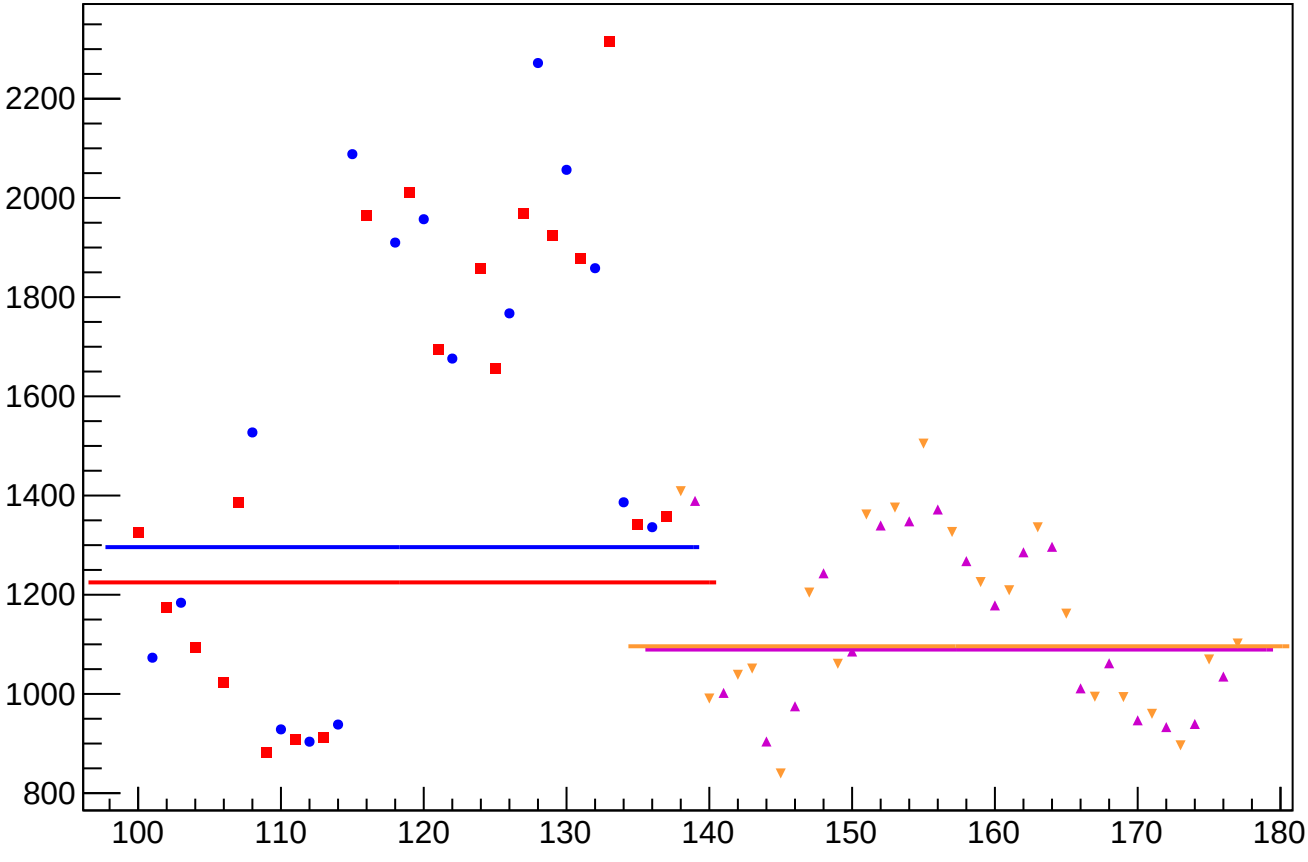
Right: -466.780+/-344.877 χ^2/NDF: 37.1/34

In: -137.597+/-244.994 χ^2/NDF:42.3/34

Out: 876.837+/-236.036 χ^2/NDF:81.5/39

All: 388.504+/-169.981 χ^2/NDF: 132.7/74

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1096.103+/-0.193 χ^2/NDF:803411.8/20

Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1089.477+/-0.198 χ^2/NDF:658872.7/18

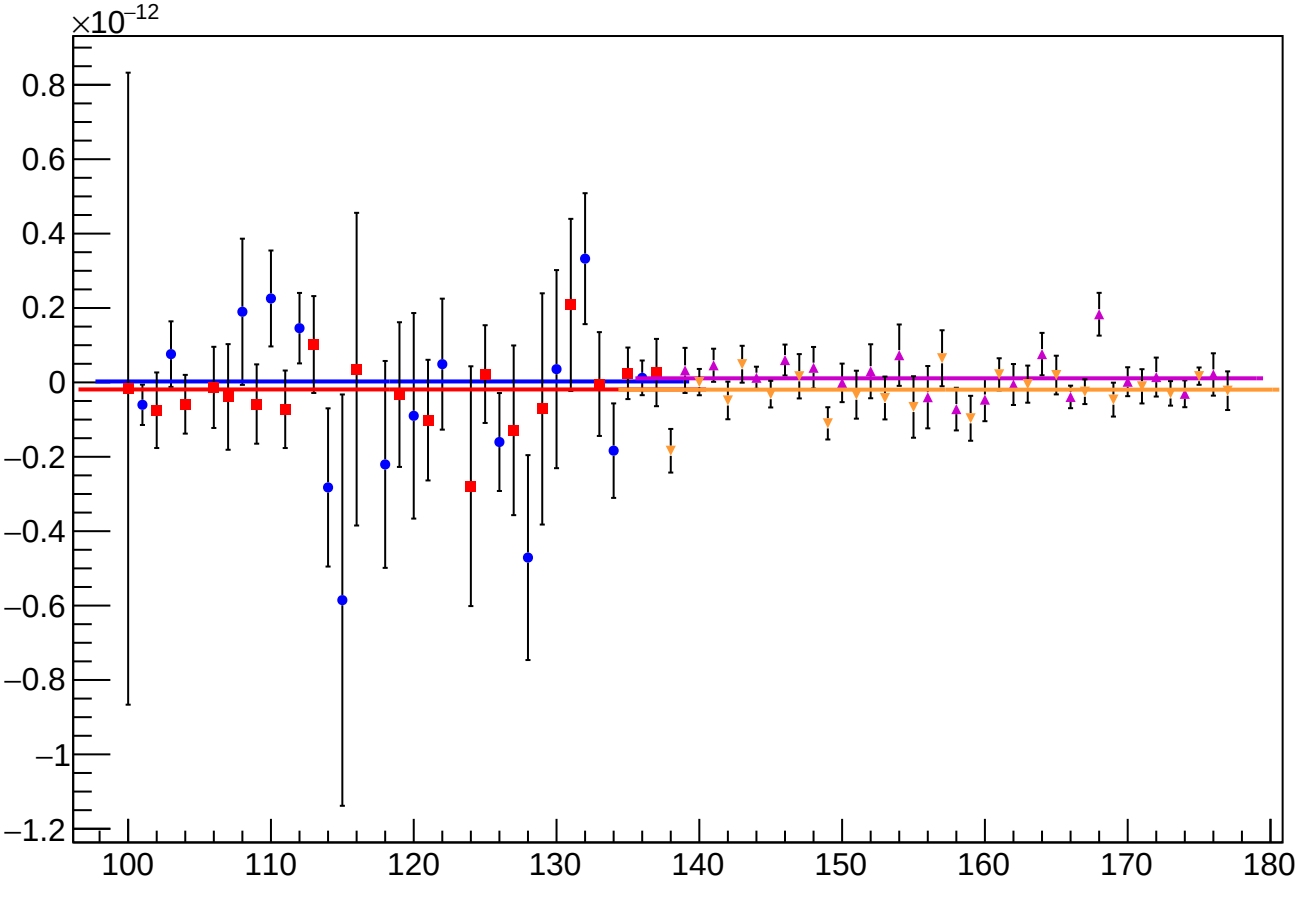
Left: 1092.881+/-0.138 χ^2/NDF: 1462859.4/39

Right: 1258.021+/-0.244 χ^2/NDF: 2546633.6/34

In: 1138.054+/-0.173 χ^2/NDF:2068697.7/34

Out: 1128.304+/-0.167 χ^2/NDF:2286325.0/39

All: 1132.998+/-0.120 χ^2/NDF: 4356665.6/74



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.1/20

Right Out: -0.000+/-0.000 χ^2/NDF: 4.7/18

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

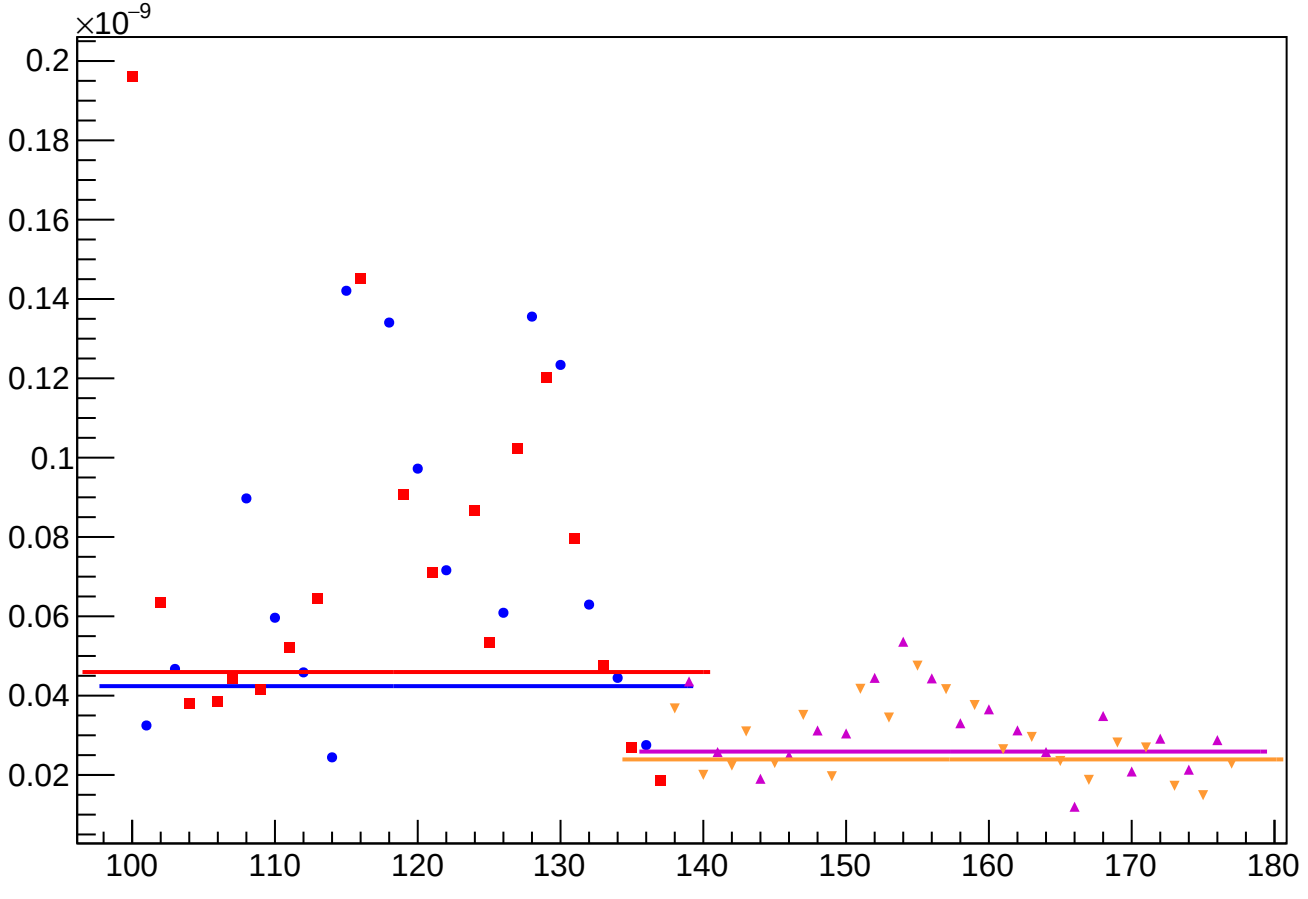
Left: -0.000+/-0.000 χ^2/NDF: 48.6/39

Right: -0.000+/-0.000 χ^2/NDF: 27.2/34

In: 0.000+/-0.000 χ^2/NDF:43.3/34

Out: -0.000+/-0.000 χ^2/NDF:27.9/39

All: -0.000+/-0.000 χ^2/NDF: 75.8/74



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1340978.7/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1429944.9/18

Left: 0.000+/-0.000 χ^2/NDF: 2807928.1/39

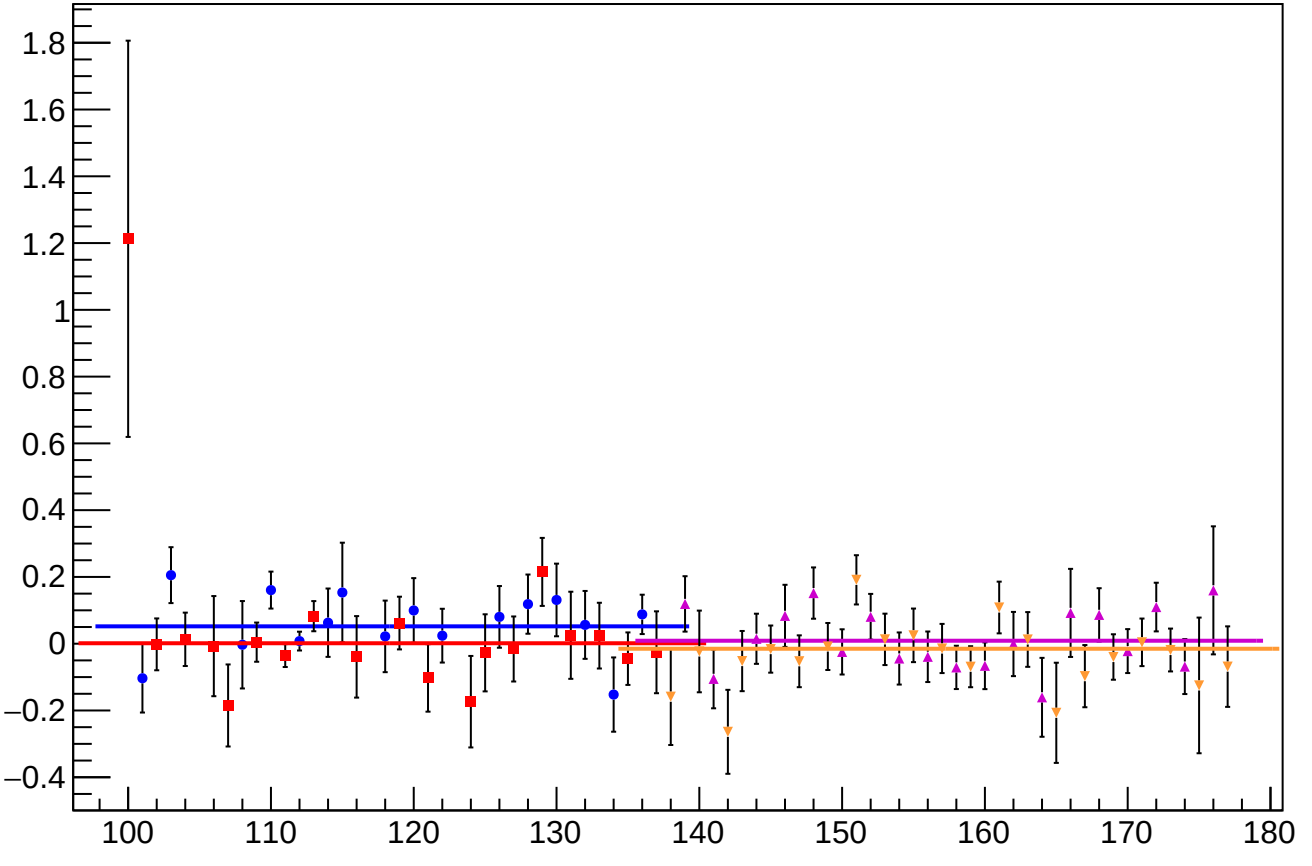
Right: 0.000+/-0.000 χ^2/NDF: 2476096.3/34

In: 0.000+/-0.000 χ^2/NDF:3420235.7/34

Out: 0.000+/-0.000 χ^2/NDF:3508327.3/39

All: 0.000+/-0.000 χ^2/NDF: 6978131.9/74

asym_sam_48_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.015+/-0.018 χ^2/NDF:20.1/20

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.009+/-0.018 χ^2/NDF:19.5/18

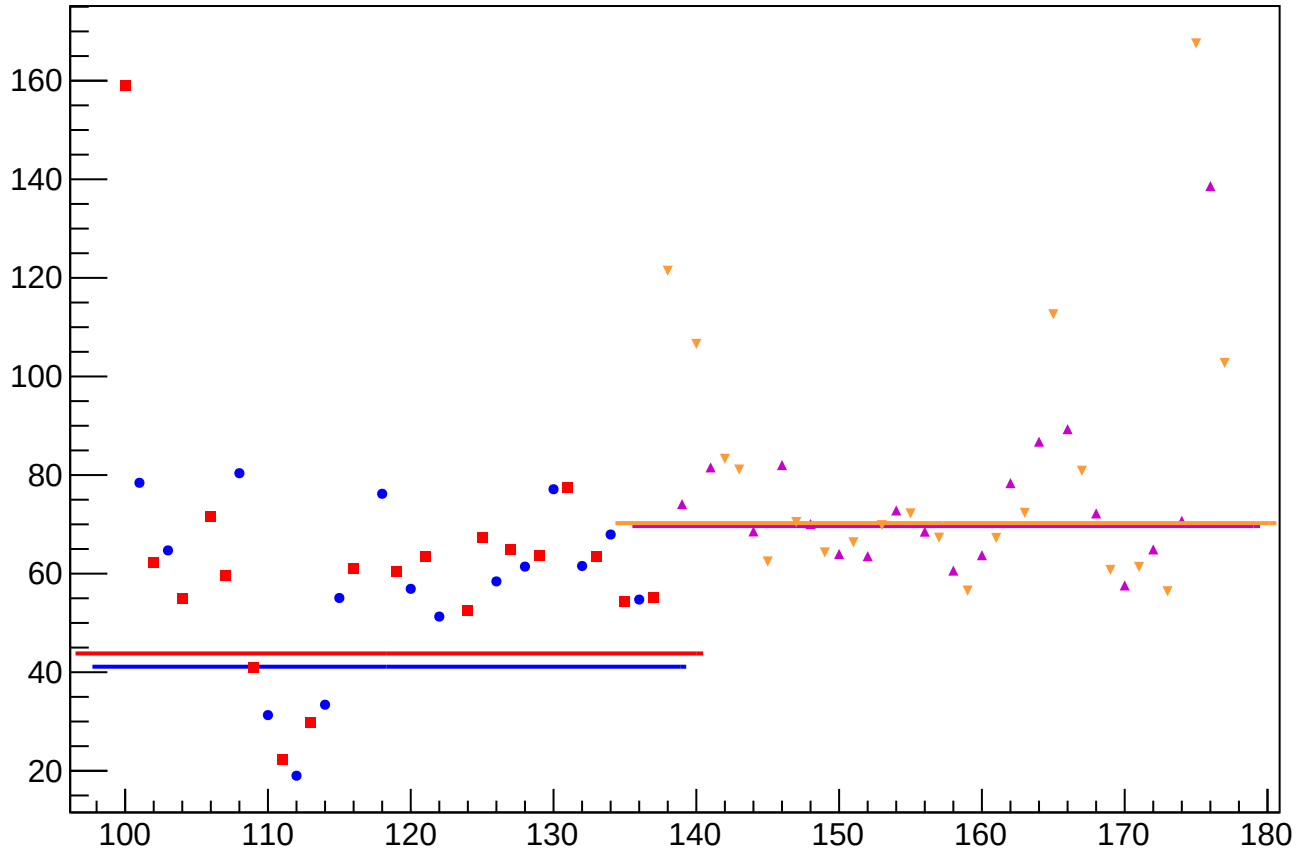
Left: -0.003+/-0.013 χ^2/NDF: 40.4/39

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.031+/-0.013 χ^2/NDF:40.3/34

Out: -0.007+/-0.013 χ^2/NDF:39.7/39

All: 0.012+/-0.009 χ^2/NDF: 84.4/74



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 70.253+/-0.013 χ^2/NDF:1582434.5/20

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 69.649+/-0.013 χ^2/NDF:604225.6/18

Left: 69.957+/-0.009 χ^2/NDF: 2187751.0/39

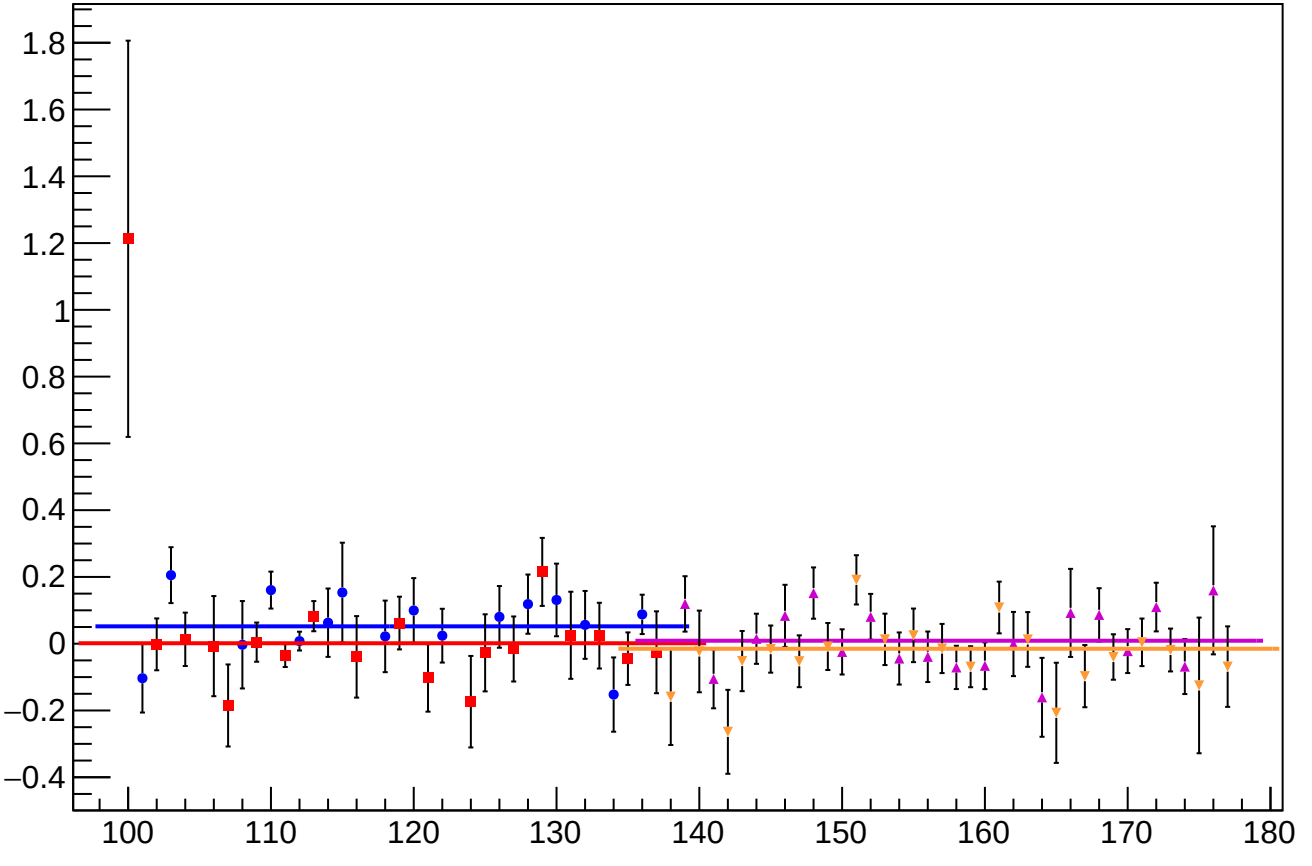
Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 54.846+/-0.009 χ^2/NDF:6009151.5/34

Out: 56.903+/-0.009 χ^2/NDF:5784496.1/39

All: 55.880+/-0.006 χ^2/NDF: 11819588.5/74

asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.015+/-0.018 χ^2/NDF:20.1/20

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.009+/-0.018 χ^2/NDF:19.5/18

Left: -0.003+/-0.013 χ^2/NDF: 40.4/39

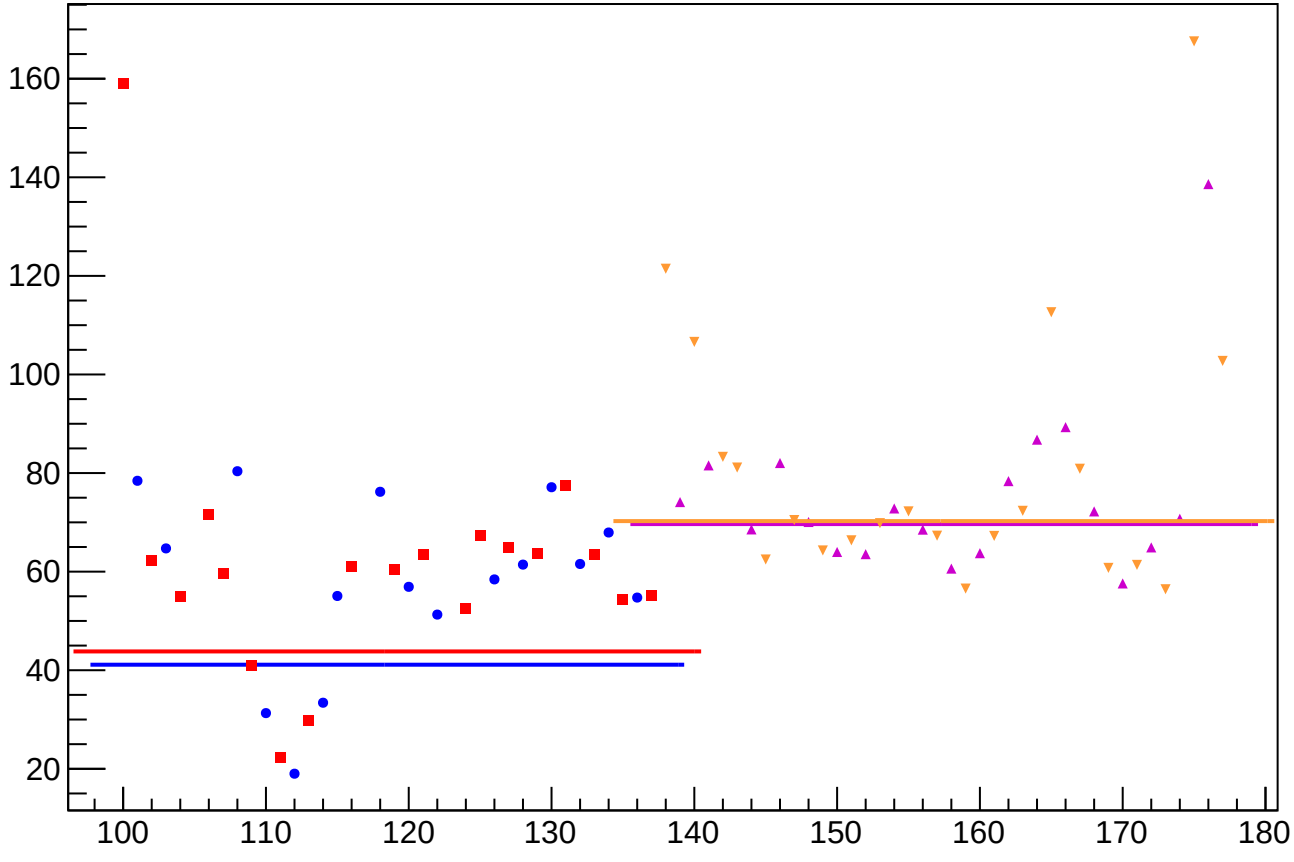
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.031+/-0.013 χ^2/NDF:40.3/34

Out: -0.007+/-0.013 χ^2/NDF:39.7/39

All: 0.012+/-0.009 χ^2/NDF: 84.4/74

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 70.253+/-0.013 χ^2/NDF:1582434.5/20

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 69.649+/-0.013 χ^2/NDF:604225.6/18

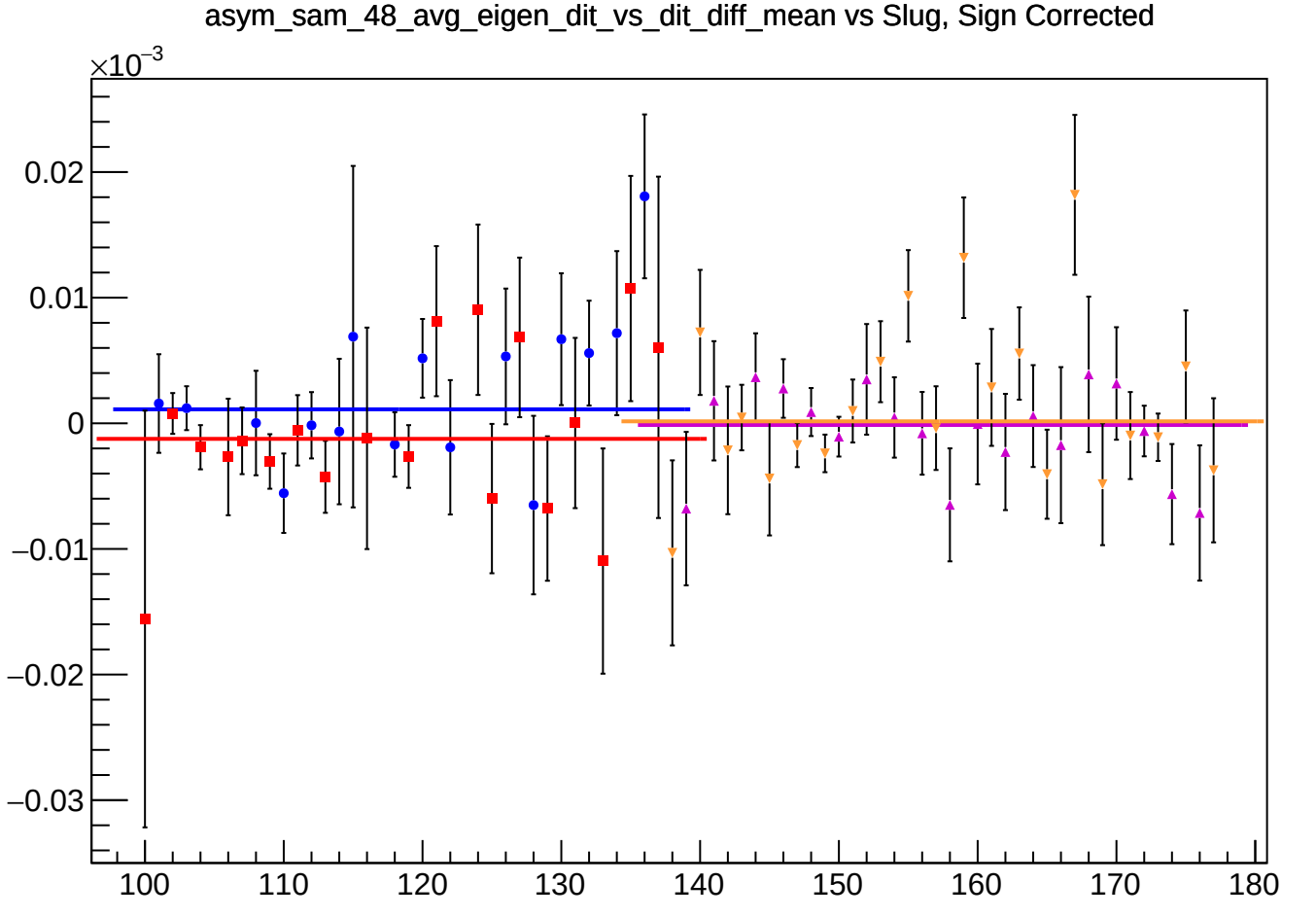
Left: 69.957+/-0.009 χ^2/NDF: 2187751.0/39

Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 54.846+/-0.009 χ^2/NDF:6009151.5/34

Out: 56.903+/-0.009 χ^2/NDF:5784496.1/39

All: 55.880+/-0.006 χ^2/NDF: 11819588.5/74



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.5/20

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: -0.000+/-0.000 χ^2/NDF:12.4/18

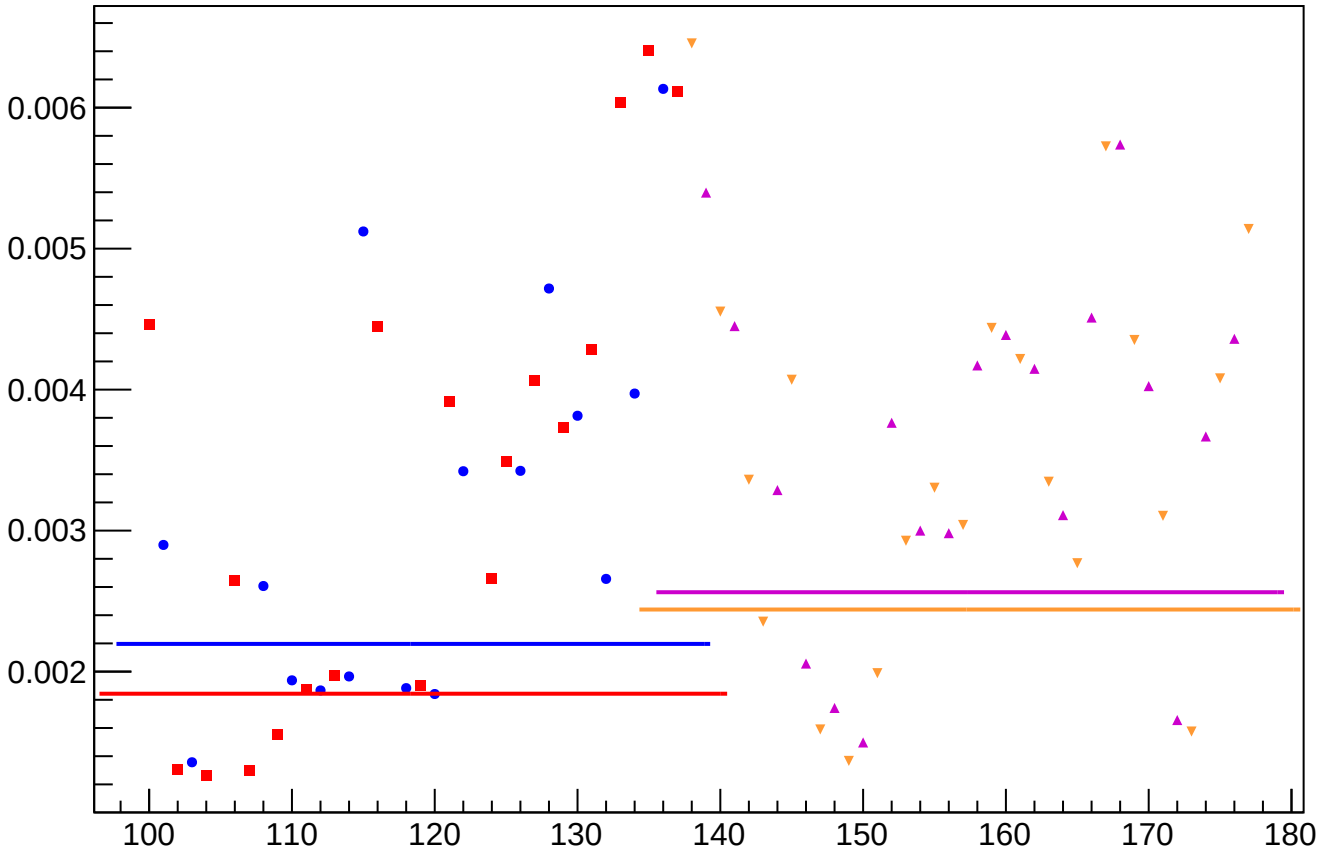
Left: 0.000+/-0.000 χ^2/NDF: 54.0/39

Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: 0.000+/-0.000 χ^2/NDF:33.5/34

Out: -0.000+/-0.000 χ^2/NDF:59.4/39

All: -0.000+/-0.000 χ^2/NDF: 93.9/74



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:5900967.0/20

Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

Left In: 0.003+/-0.000 χ^2/NDF:4953822.1/18

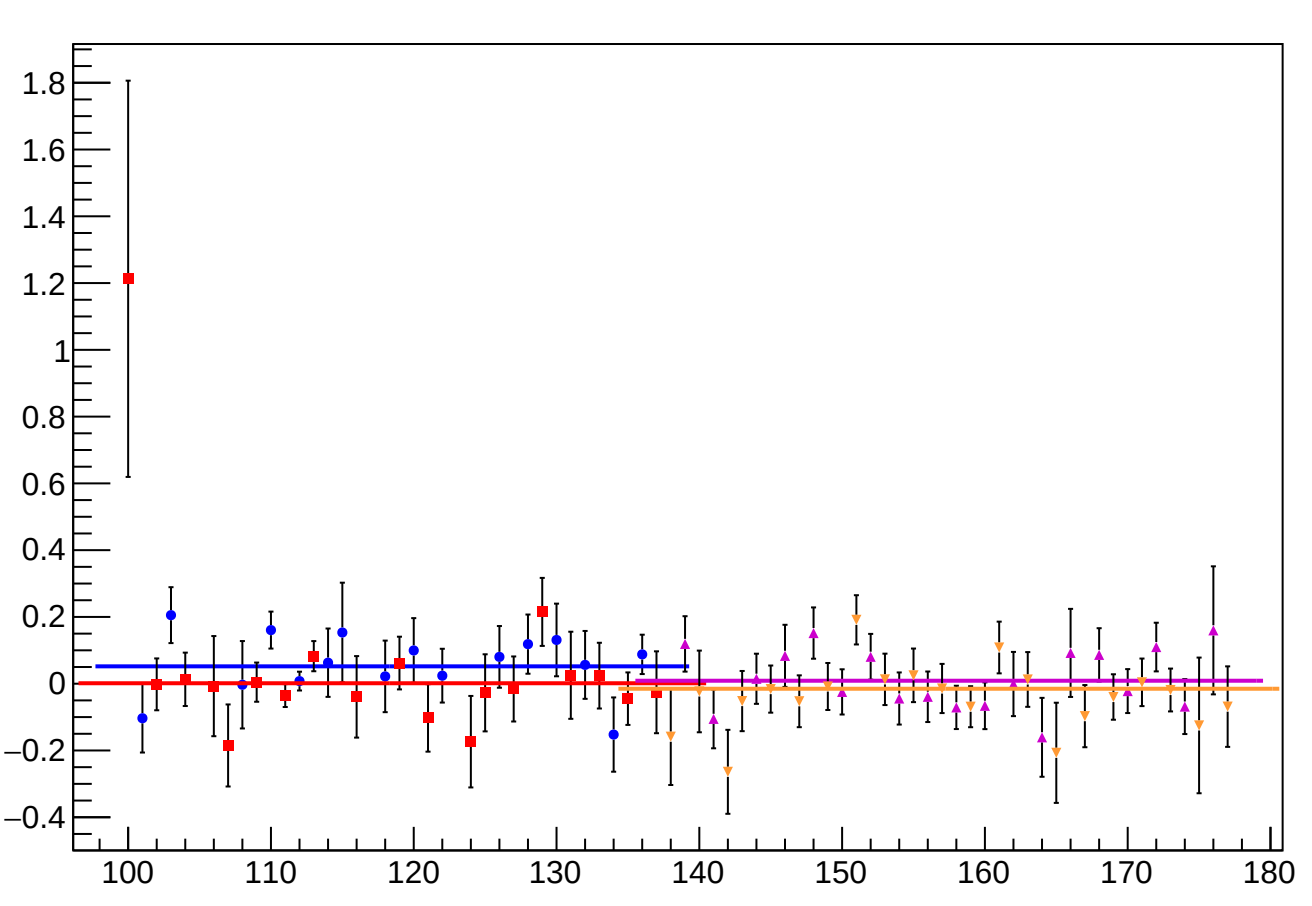
Left: 0.002+/-0.000 χ^2/NDF: 10885731.0/39

Right: 0.002+/-0.000 χ^2/NDF: 5607793.8/34

In: 0.002+/-0.000 χ^2/NDF:7445621.6/34

Out: 0.002+/-0.000 χ^2/NDF:9731383.4/39

All: 0.002+/-0.000 χ^2/NDF: 17374781.1/74



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.015+/-0.018 χ^2/NDF:20.1/20

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.009+/-0.018 χ^2/NDF:19.5/18

Left: -0.003+/-0.013 χ^2/NDF: 40.4/39

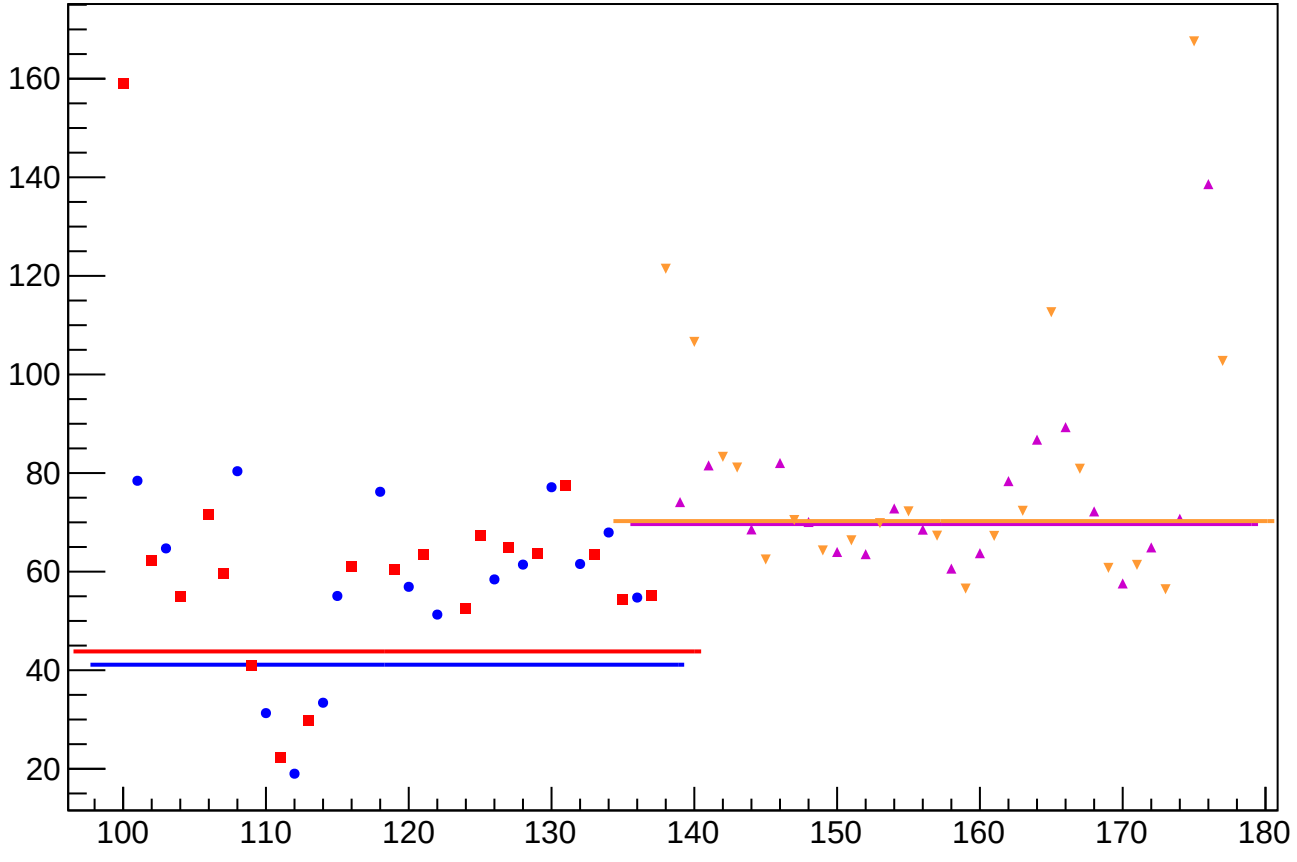
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.031+/-0.013 χ^2/NDF:40.3/34

Out: -0.007+/-0.013 χ^2/NDF:39.7/39

All: 0.012+/-0.009 χ^2/NDF: 84.4/74

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 70.254+/-0.013 χ^2/NDF:1582383.0/20

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 69.650+/-0.013 χ^2/NDF:604203.5/18

Left: 69.958+/-0.009 χ^2/NDF: 2187677.4/39

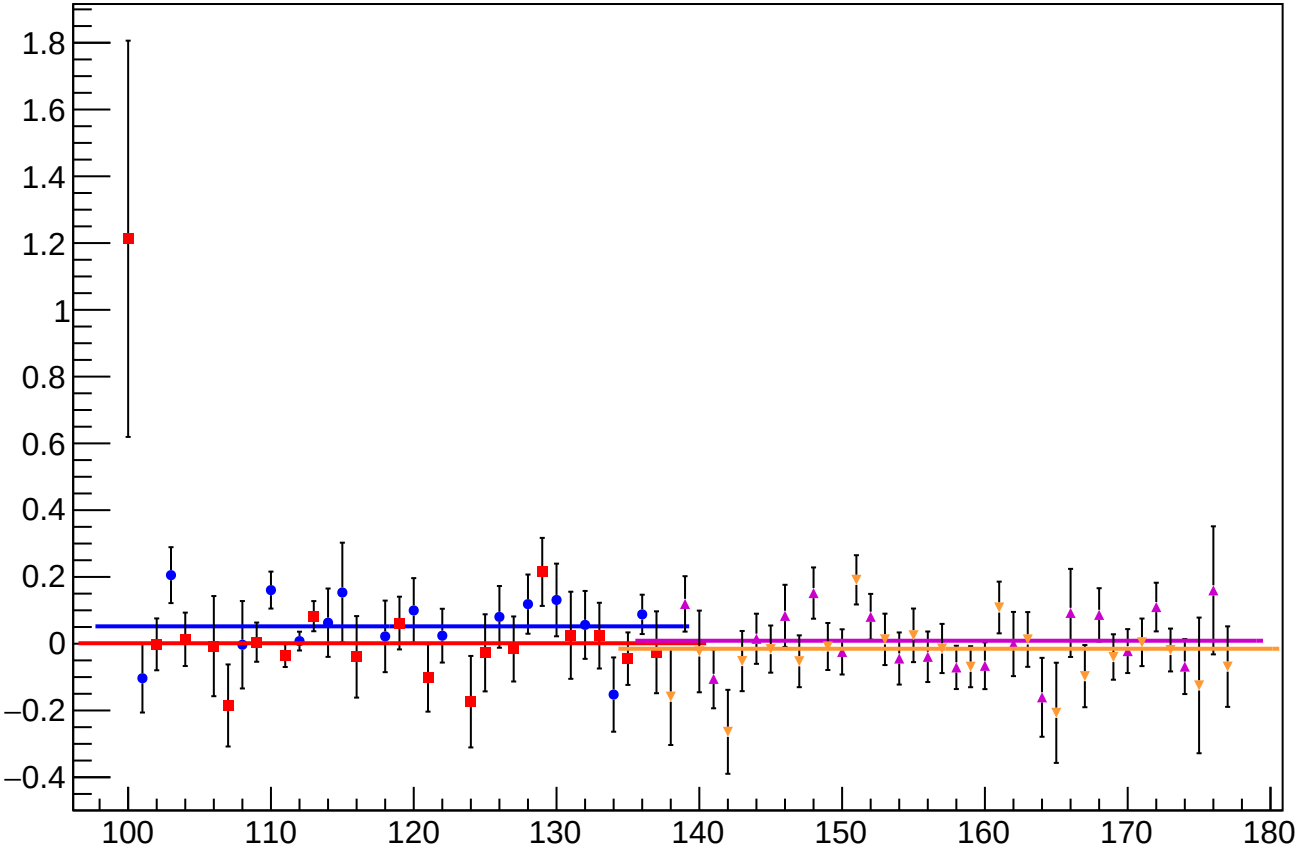
Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 54.846+/-0.009 χ^2/NDF:6009567.5/34

Out: 56.903+/-0.009 χ^2/NDF:5784875.0/39

All: 55.879+/-0.006 χ^2/NDF: 11820385.8/74

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: -0.015+/-0.018 χ^2/NDF:20.1/20

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.009+/-0.018 χ^2/NDF:19.5/18

Left: -0.003+/-0.013 χ^2/NDF: 40.4/39

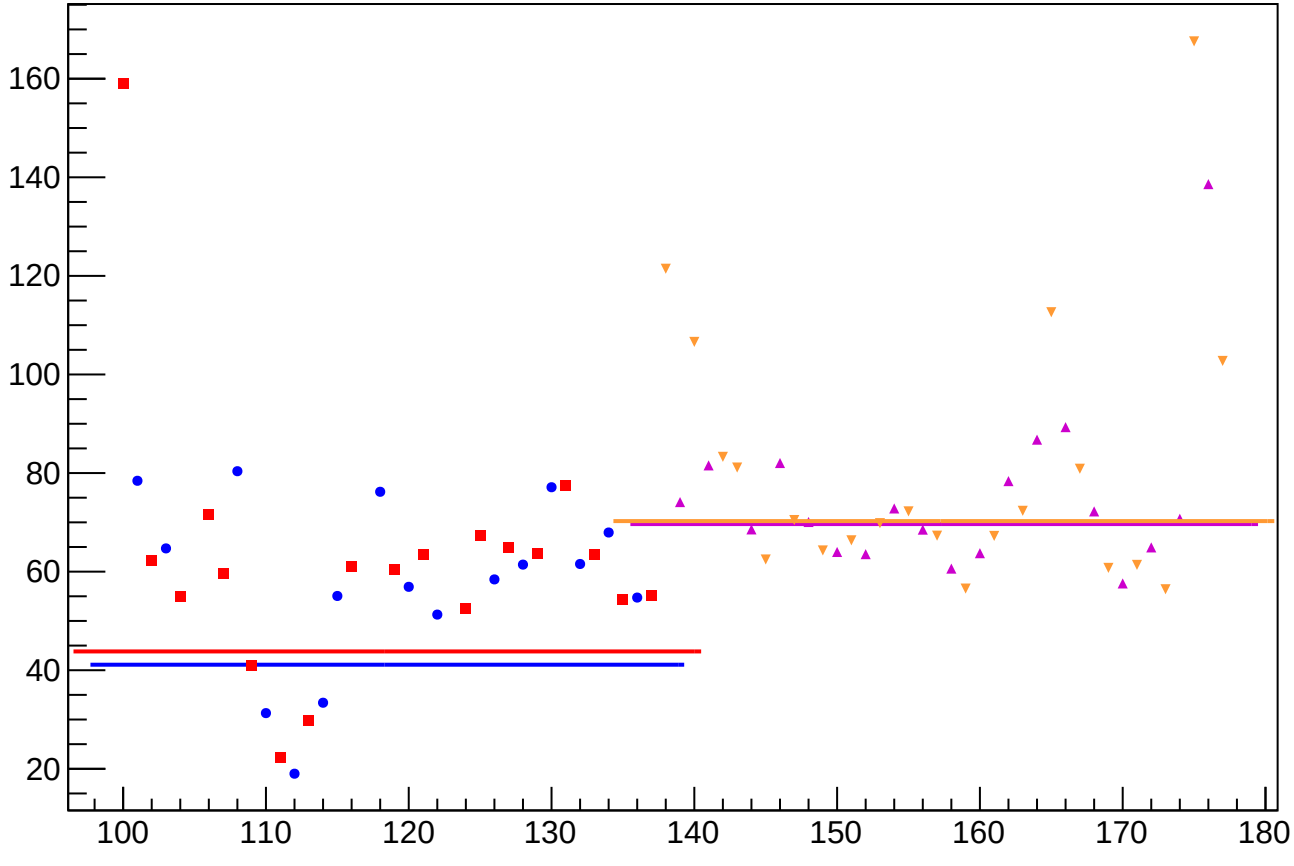
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.031+/-0.013 χ^2/NDF:40.3/34

Out: -0.007+/-0.013 χ^2/NDF:39.7/39

All: 0.012+/-0.009 χ^2/NDF: 84.4/74

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: 70.254+/-0.013 χ^2/NDF:1582383.0/20

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 69.650+/-0.013 χ^2/NDF:604203.5/18

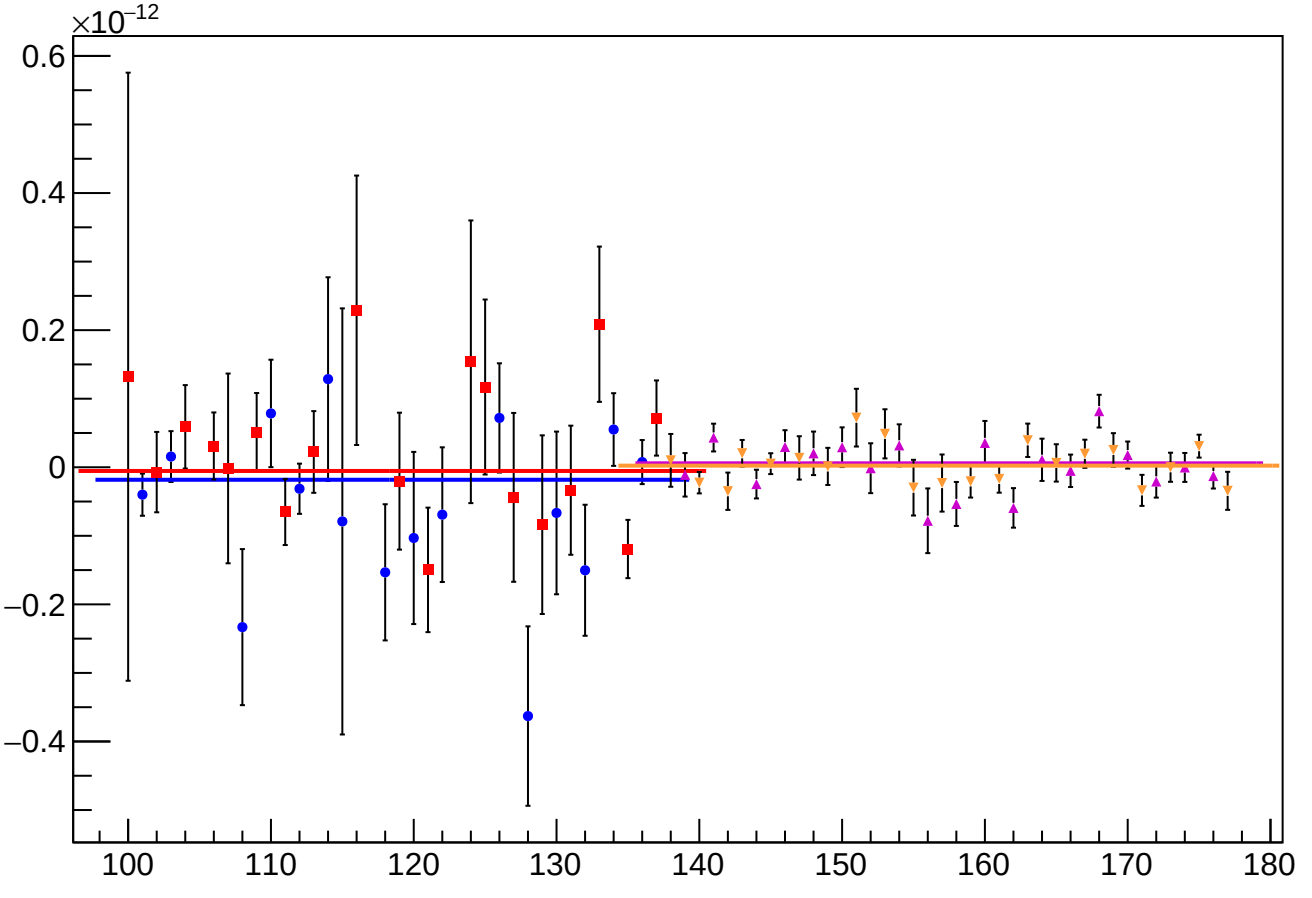
Left: 69.958+/-0.009 χ^2/NDF: 2187677.4/39

Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 54.846+/-0.009 χ^2/NDF:6009567.5/34

Out: 56.903+/-0.009 χ^2/NDF:5784875.0/39

All: 55.879+/-0.006 χ^2/NDF: 11820385.8/74



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.9/20

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: 0.000+/-0.000 χ^2/NDF:34.1/18

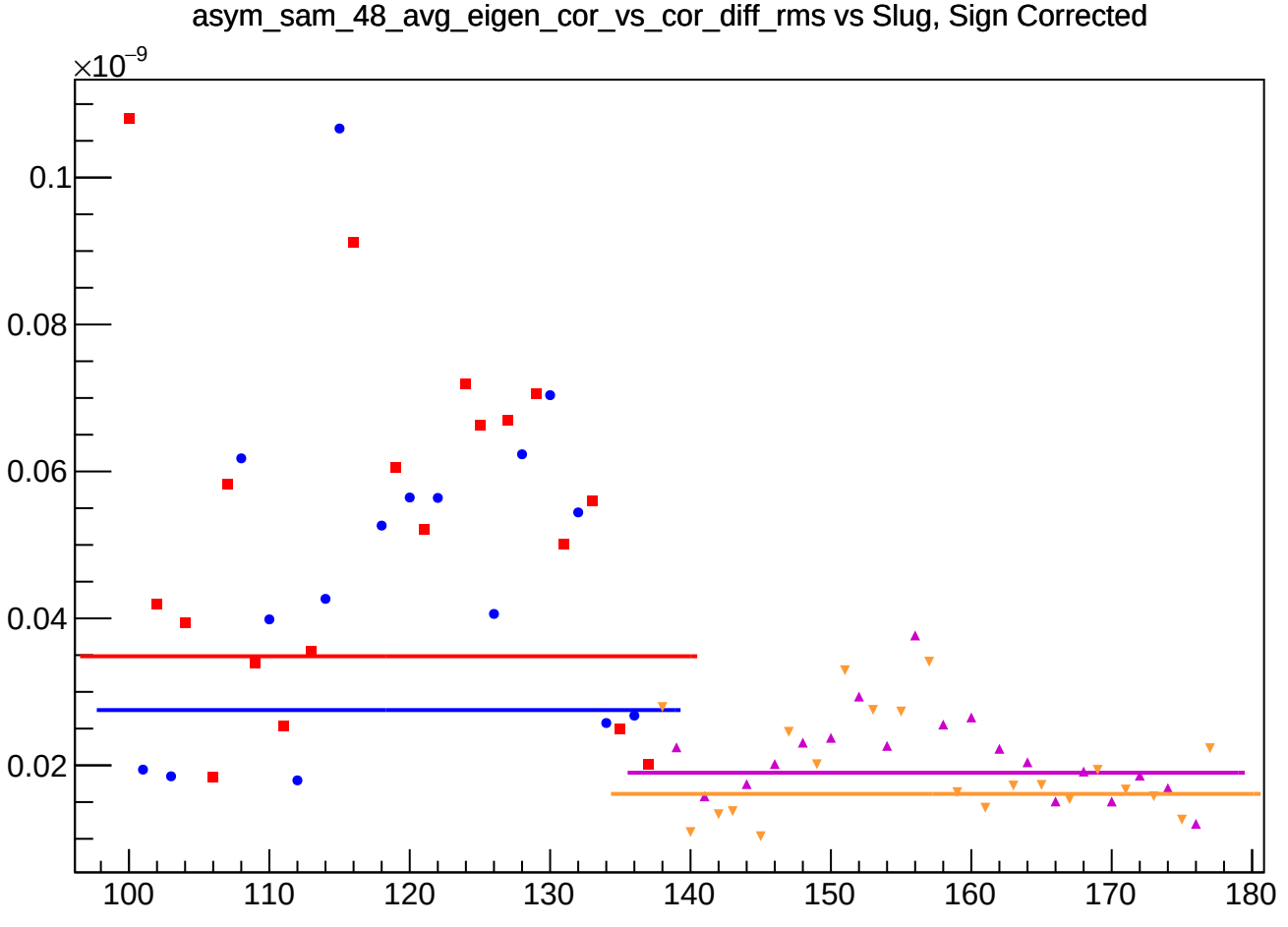
Left: 0.000+/-0.000 χ^2/NDF: 58.2/39

Right: -0.000+/-0.000 χ^2/NDF: 46.6/34

In: 0.000+/-0.000 χ^2/NDF:59.4/34

Out: 0.000+/-0.000 χ^2/NDF:47.4/39

All: 0.000+/-0.000 χ^2/NDF: 106.8/74



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2238037.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1349954.6/18

Left: 0.000+/-0.000 χ^2/NDF: 3863330.1/39

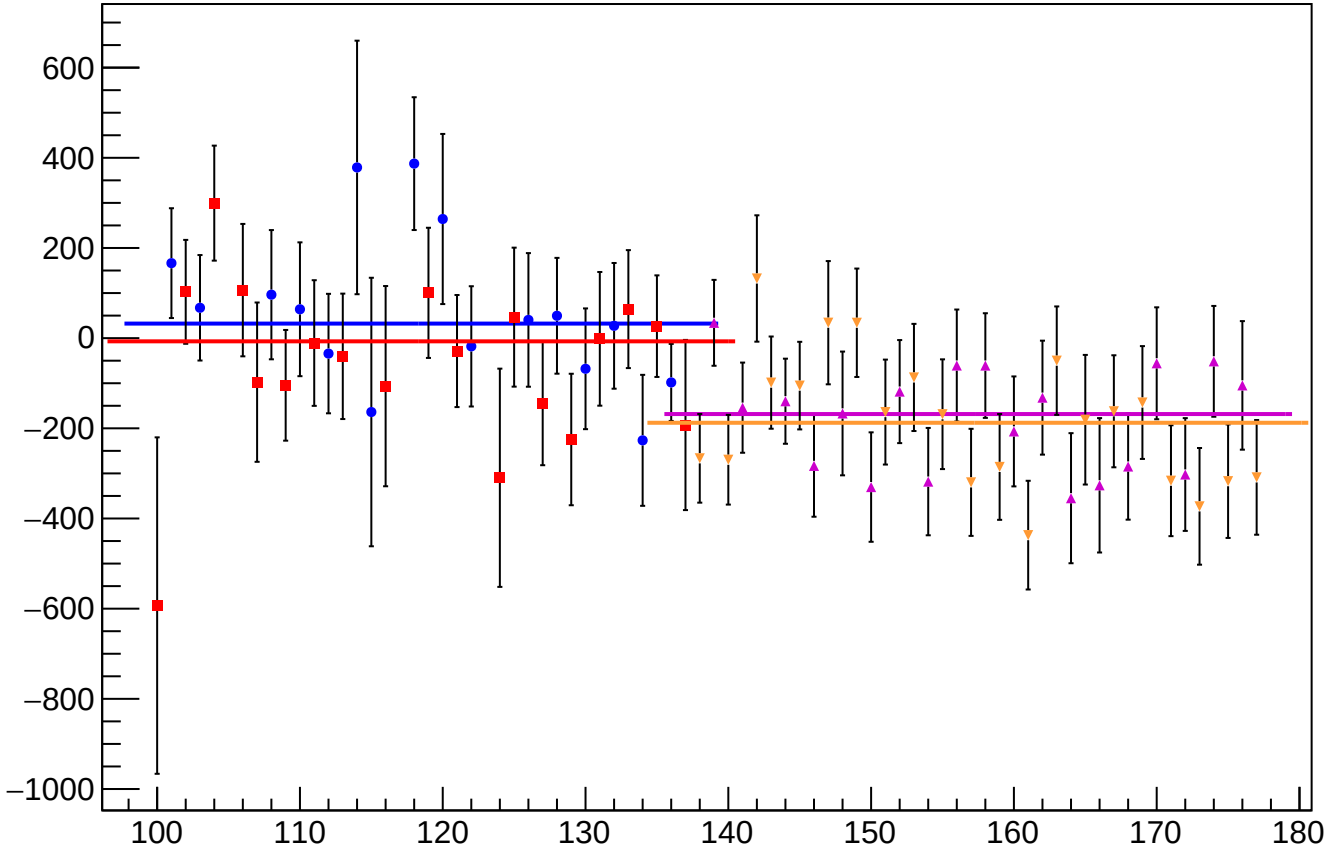
Right: 0.000+/-0.000 χ^2/NDF: 3696738.0/34

In: 0.000+/-0.000 χ^2/NDF:3750886.7/34

Out: 0.000+/-0.000 χ^2/NDF:6218747.5/39

All: 0.000+/-0.000 χ^2/NDF: 10201834.0/74

reg_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -187.693+/-25.811 χ^2/NDF:27.6/20

Right Out: -7.070+/-33.420 χ^2/NDF: 17.8/18

Left In: -168.342+/-27.242 χ^2/NDF:17.9/18

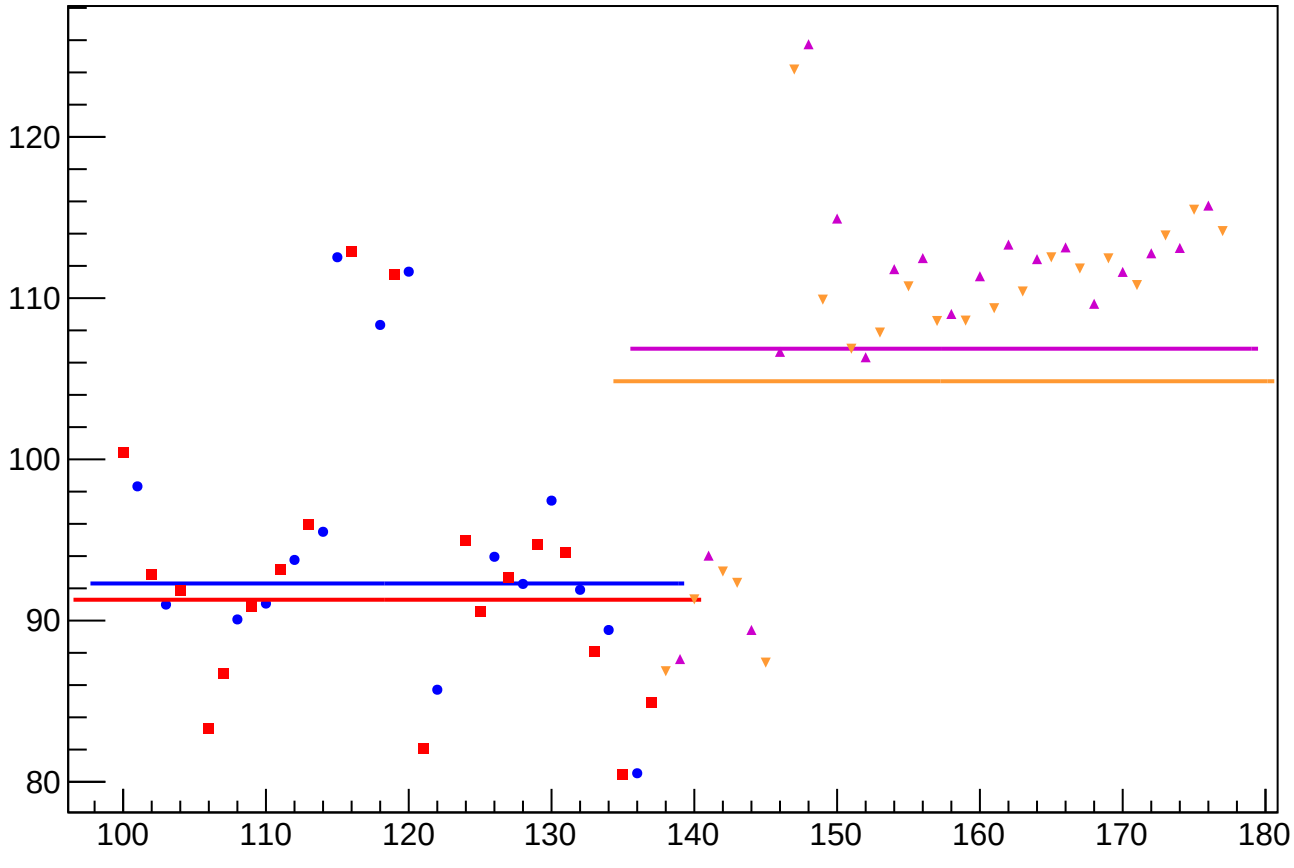
Left: -178.539+/-18.737 χ^2/NDF: 45.8/39

Right: 12.028+/-23.980 χ^2/NDF: 35.7/34

In: -91.089+/-21.363 χ^2/NDF:56.0/34

Out: -120.208+/-20.428 χ^2/NDF:63.7/39

All: -106.300+/-14.764 χ^2/NDF: 120.7/74



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 104.846+/-0.018 χ^2/NDF:332718.4/20

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

Left In: 106.863+/-0.019 χ^2/NDF:273875.4/18

Left: 105.800+/-0.013 χ^2/NDF: 612374.9/39

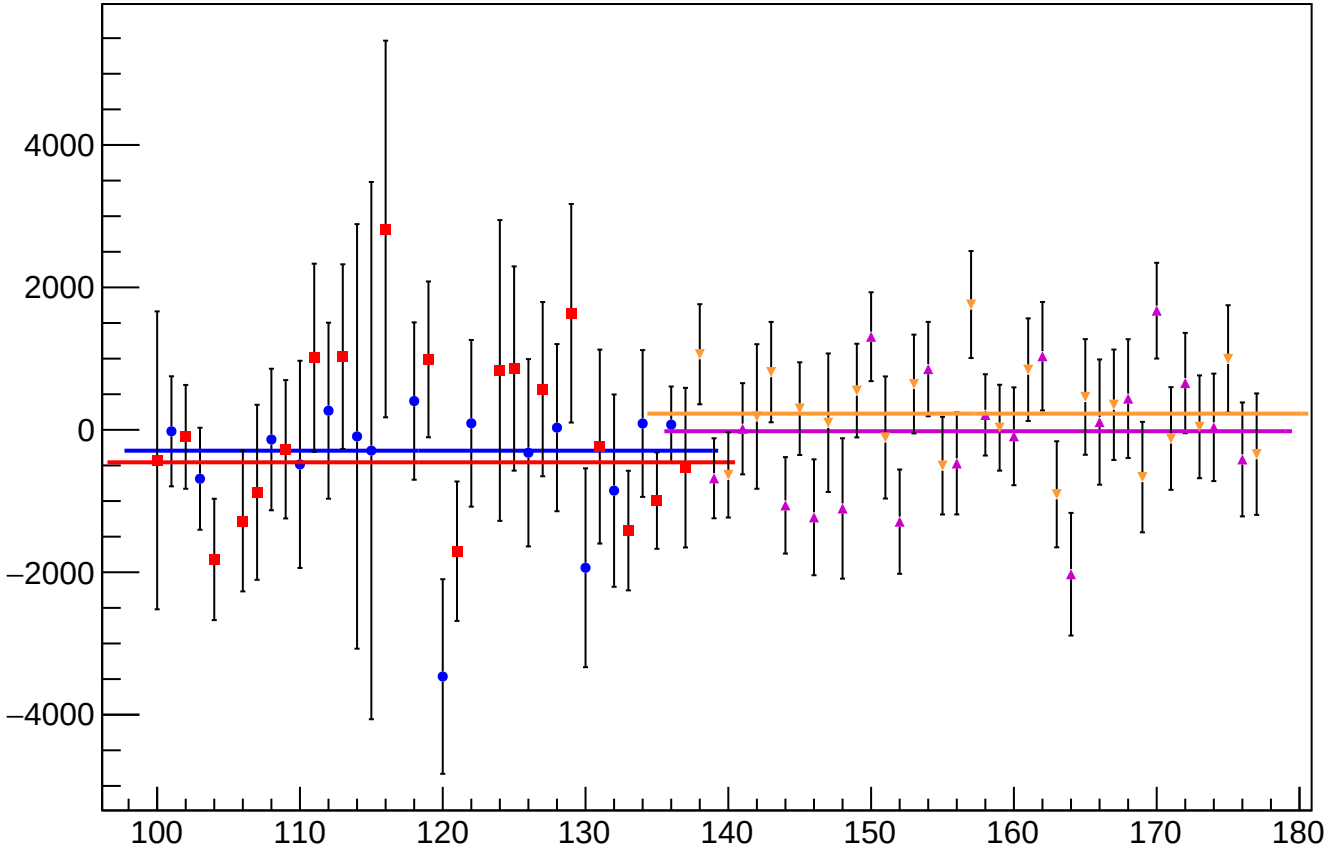
Right: 91.783+/-0.017 χ^2/NDF: 213046.7/34

In: 101.257+/-0.015 χ^2/NDF:600943.7/34

Out: 99.782+/-0.014 χ^2/NDF:643817.6/39

All: 100.487+/-0.010 χ^2/NDF: 1249738.8/74

asym_sam_15_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 227.542+/-159.764 χ^2/NDF:16.6/20

Right Out: -455.830+/-248.717 χ^2/NDF: 16.9/18

Left In: -19.544+/-163.224 χ^2/NDF:32.2/18

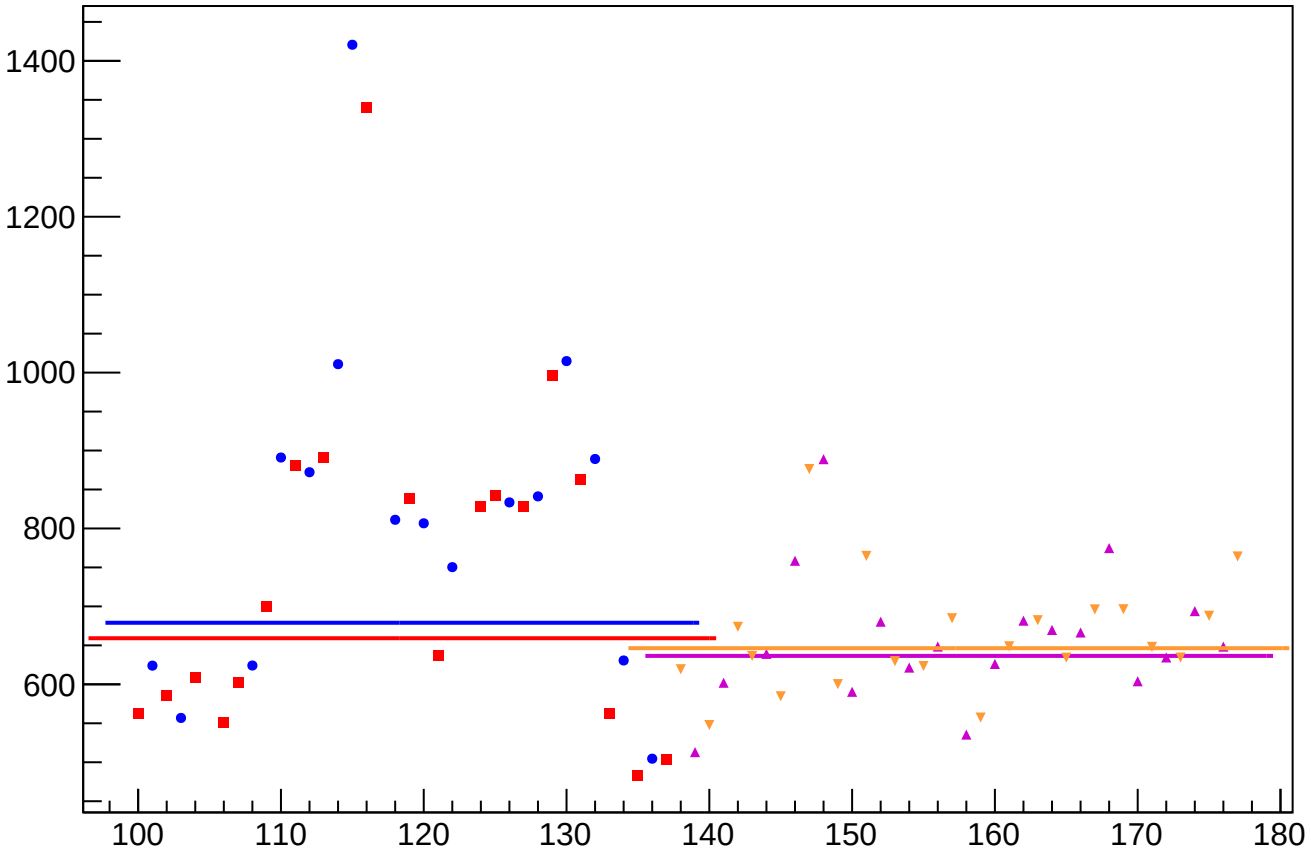
Left: 106.646+/-114.174 χ^2/NDF: 50.0/39

Right: -377.812+/-179.624 χ^2/NDF: 25.9/34

In: -96.912+/-138.194 χ^2/NDF:41.8/34

Out: 27.933+/-134.421 χ^2/NDF:38.8/39

All: -32.762+/-96.356 χ^2/NDF: 81.0/74



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 646.368+/-0.113 χ^2/NDF:355481.2/20

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

Left In: 636.475+/-0.115 χ^2/NDF:445540.8/18

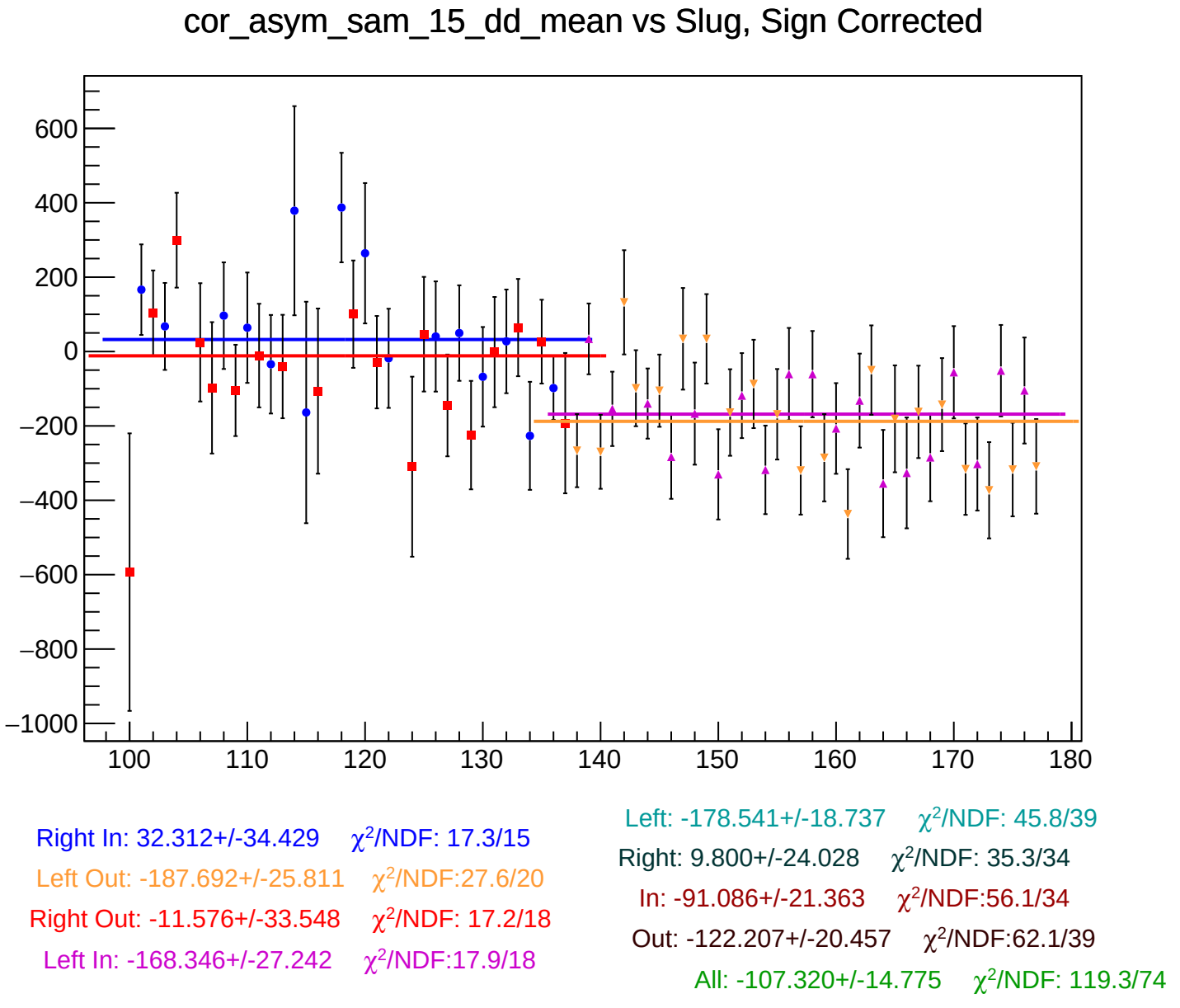
Left: 641.527+/-0.081 χ^2/NDF: 804774.4/39

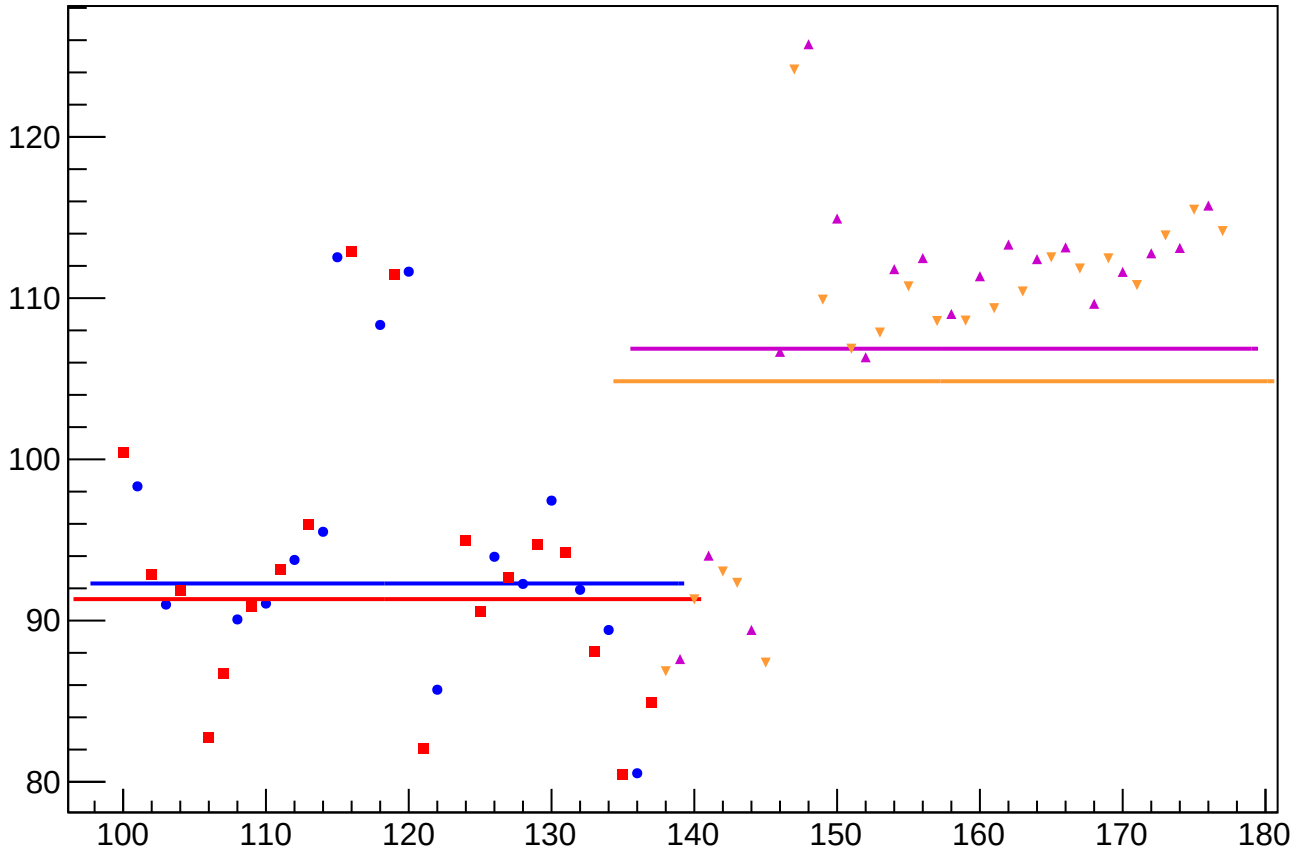
Right: 668.639+/-0.127 χ^2/NDF: 1569967.8/34

In: 648.518+/-0.098 χ^2/NDF:1251972.3/34

Out: 650.097+/-0.095 χ^2/NDF:1155088.5/39

All: 649.329+/-0.068 χ^2/NDF: 2407195.0/74


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: -187.692+/-25.811 χ²/NDF:27.6/20
Right Out: -11.576+/-33.548 χ²/NDF: 17.2/18
Left In: -168.346+/-27.242 χ²/NDF:17.9/18
Left: -178.541+/-18.737 χ²/NDF: 45.8/39
Right: 9.800+/-24.028 χ²/NDF: 35.3/34
In: -91.086+/-21.363 χ²/NDF:56.1/34
Out: -122.207+/-20.457 χ²/NDF:62.1/39
All: -107.320+/-14.775 χ²/NDF: 119.3/74



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 104.846+/-0.018 χ^2/NDF:332718.4/20

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 106.863+/-0.019 χ^2/NDF:273875.4/18

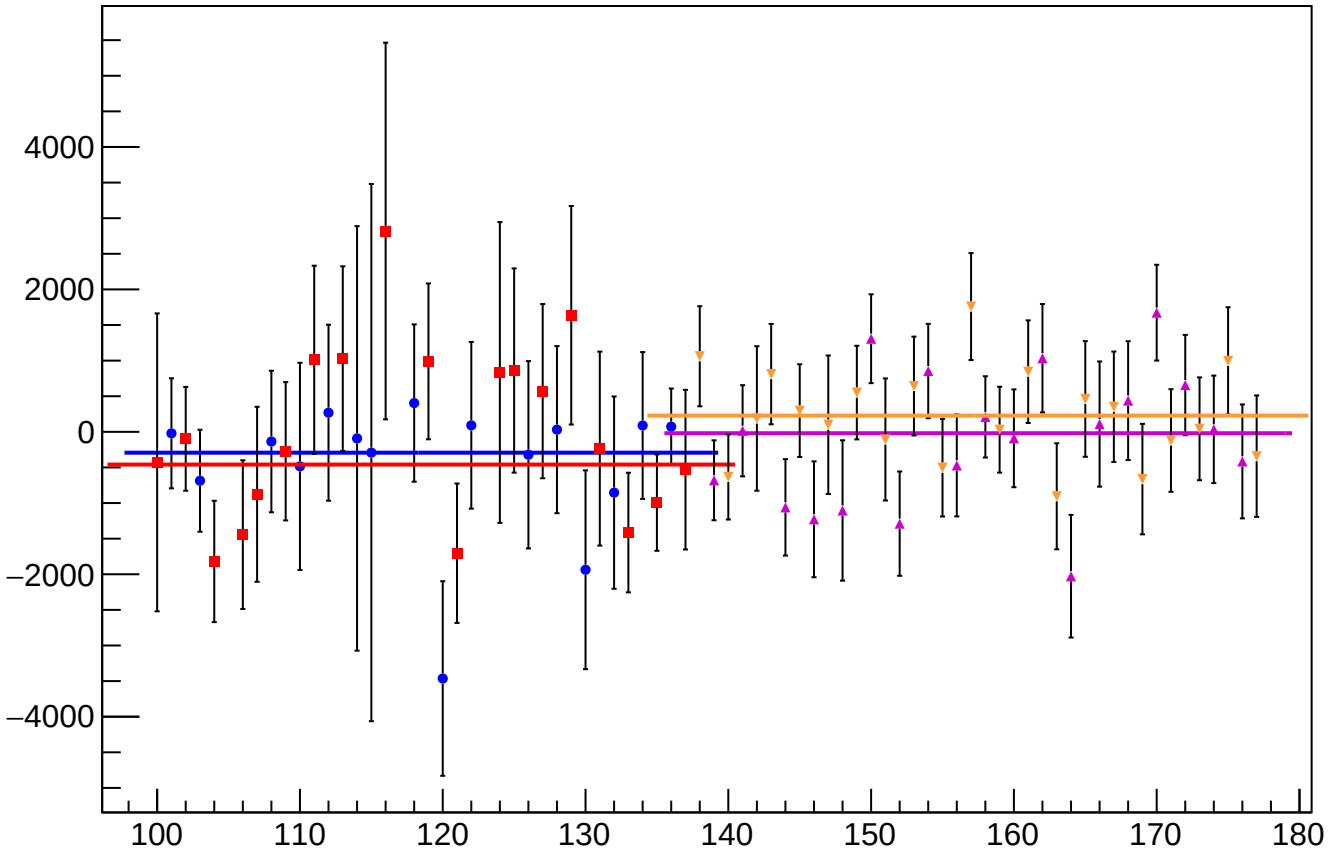
Left: 105.800+/-0.013 χ^2/NDF: 612375.0/39

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 101.257+/-0.015 χ^2/NDF:600943.6/34

Out: 99.821+/-0.014 χ^2/NDF:641490.9/39

All: 100.508+/-0.010 χ^2/NDF: 1247148.3/74



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 227.539+/-159.764 χ^2/NDF:16.6/20

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -19.547+/-163.224 χ^2/NDF:32.2/18

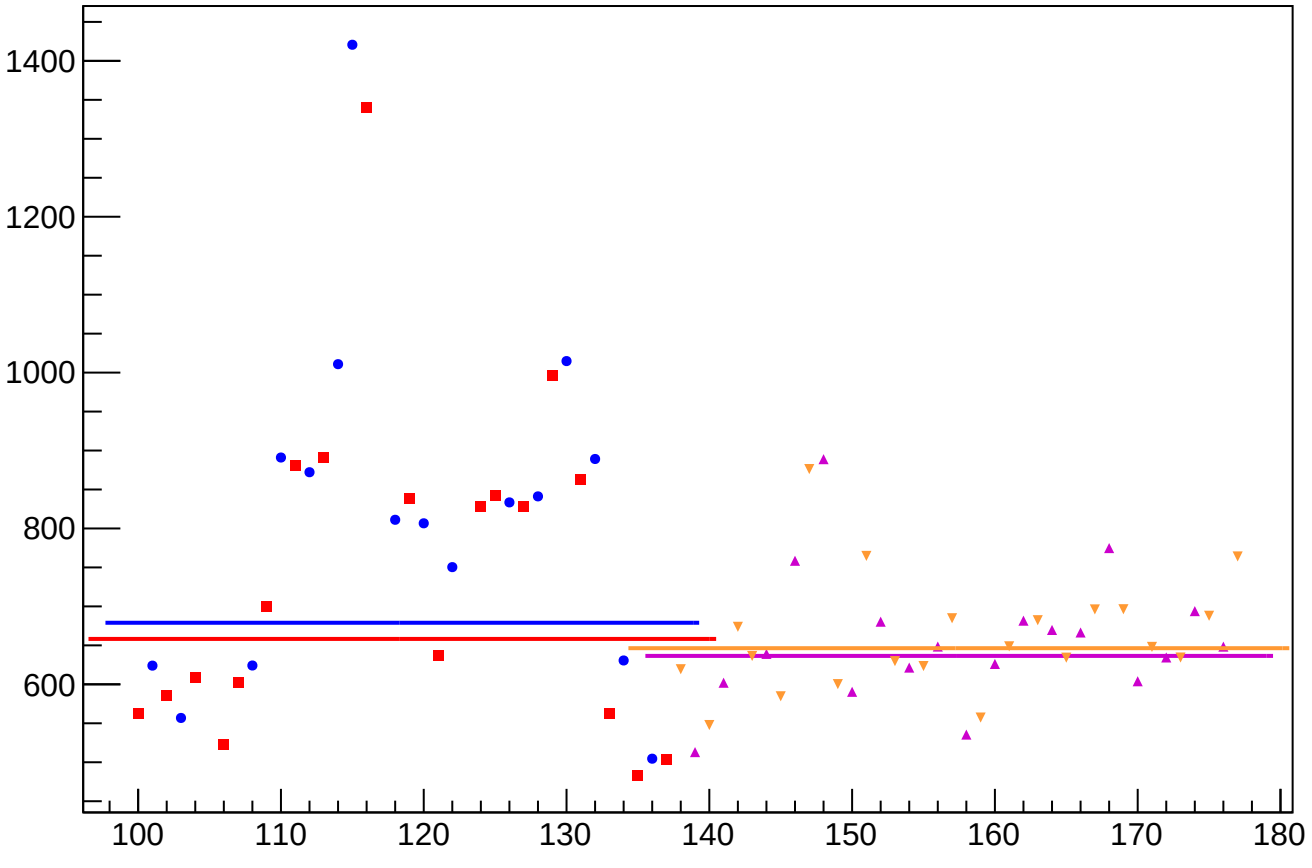
Left: 106.642+/-114.174 χ^2/NDF: 50.0/39

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -96.913+/-138.194 χ^2/NDF:41.8/34

Out: 27.772+/-134.551 χ^2/NDF:39.0/39

All: -32.905+/-96.404 χ^2/NDF: 81.3/74



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 646.368+/-0.113 χ^2/NDF:355481.6/20

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 636.475+/-0.115 χ^2/NDF:445541.5/18

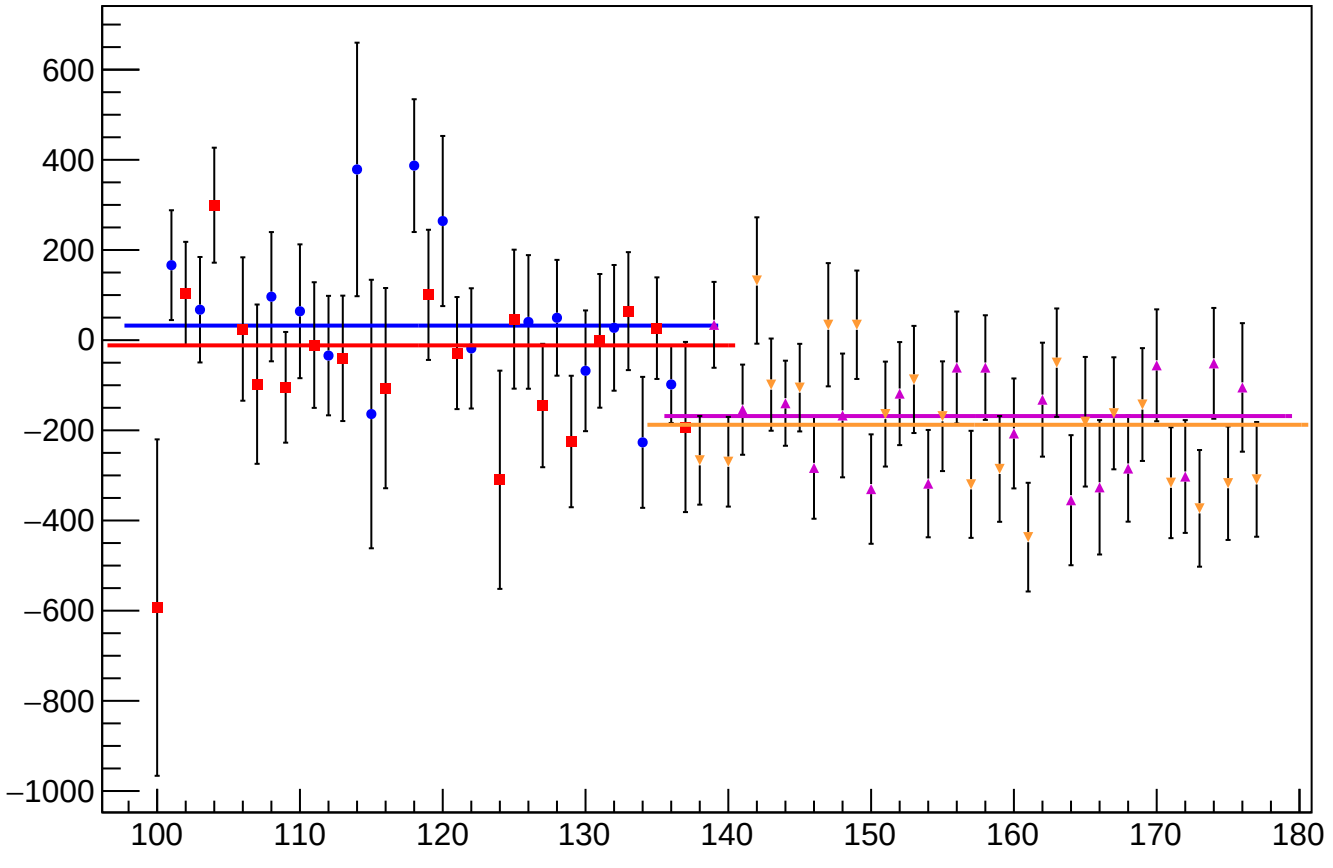
Left: 641.528+/-0.081 χ^2/NDF: 804775.6/39

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 648.518+/-0.098 χ^2/NDF:1251974.4/34

Out: 649.826+/-0.095 χ^2/NDF:1164602.1/39

All: 649.189+/-0.068 χ^2/NDF: 2416668.5/74



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -187.692+/-25.811 χ^2/NDF:27.6/20

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -168.346+/-27.242 χ^2/NDF:17.9/18

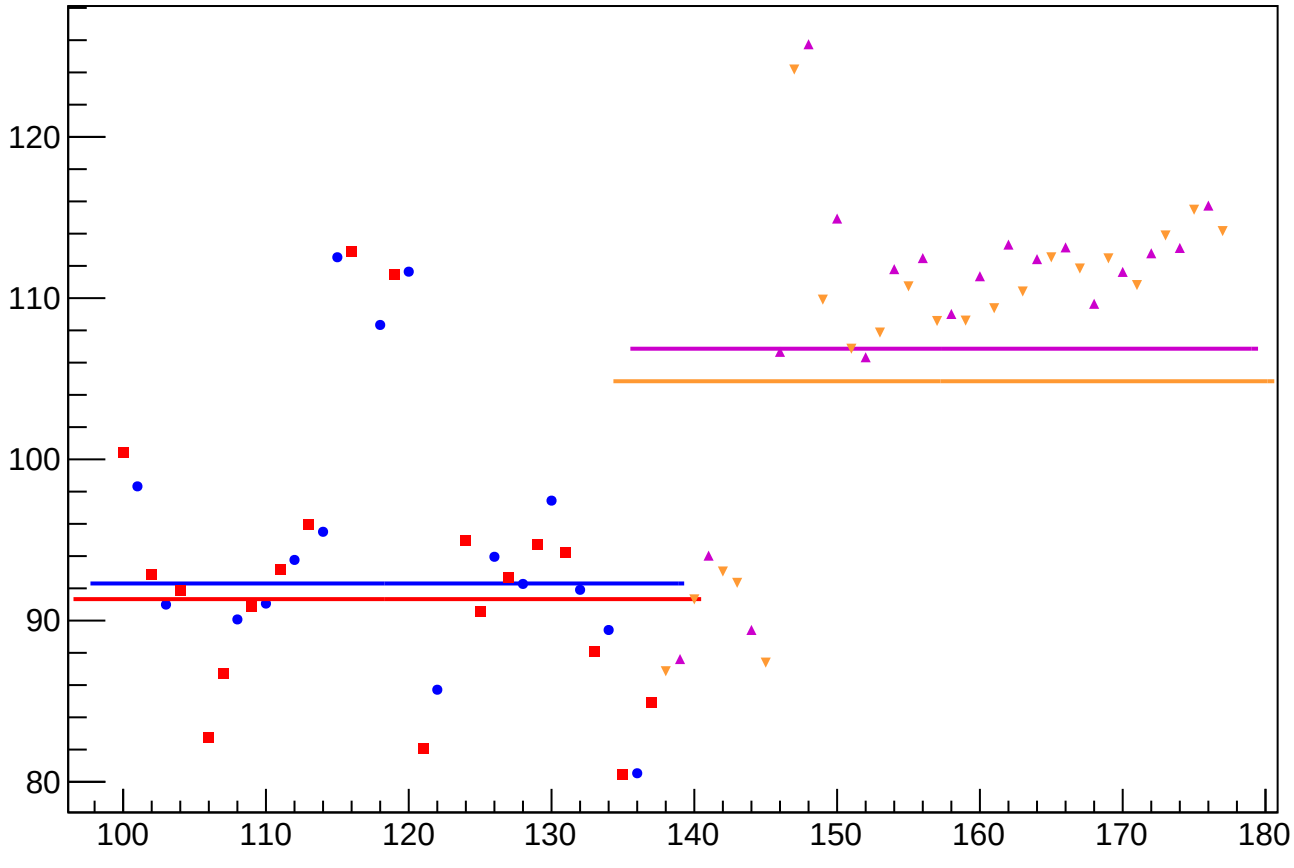
Left: -178.541+/-18.737 χ^2/NDF: 45.8/39

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -91.086+/-21.363 χ^2/NDF:56.1/34

Out: -122.207+/-20.457 χ^2/NDF:62.1/39

All: -107.320+/-14.775 χ^2/NDF: 119.3/74



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 104.846+/-0.018 χ^2/NDF:332718.4/20

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 106.863+/-0.019 χ^2/NDF:273875.4/18

Left: 105.800+/-0.013 χ^2/NDF: 612375.0/39

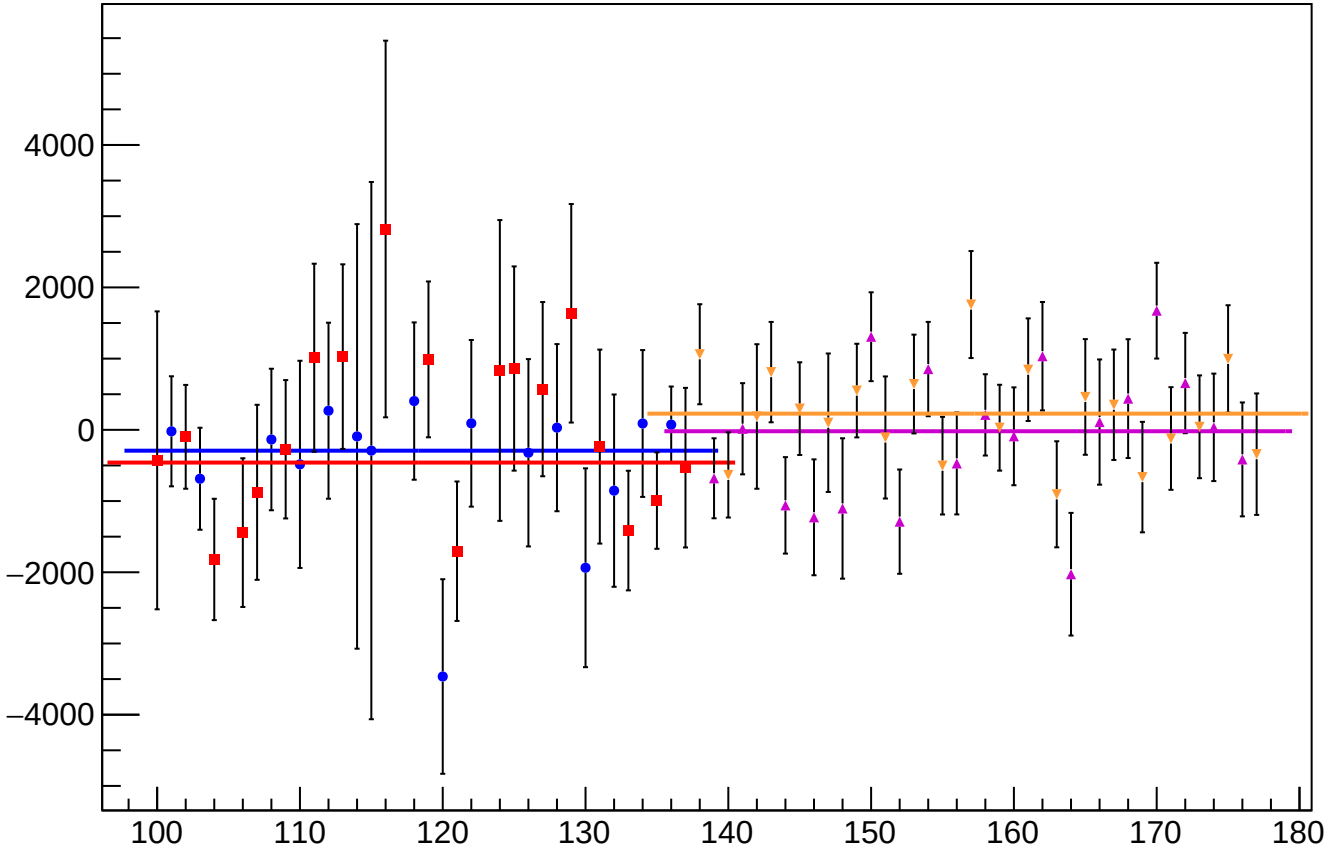
Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 101.257+/-0.015 χ^2/NDF:600943.6/34

Out: 99.821+/-0.014 χ^2/NDF:641490.9/39

All: 100.508+/-0.010 χ^2/NDF: 1247148.3/74

asym_sam_15_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 227.539+/-159.764 χ^2/NDF:16.6/20

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -19.547+/-163.224 χ^2/NDF:32.2/18

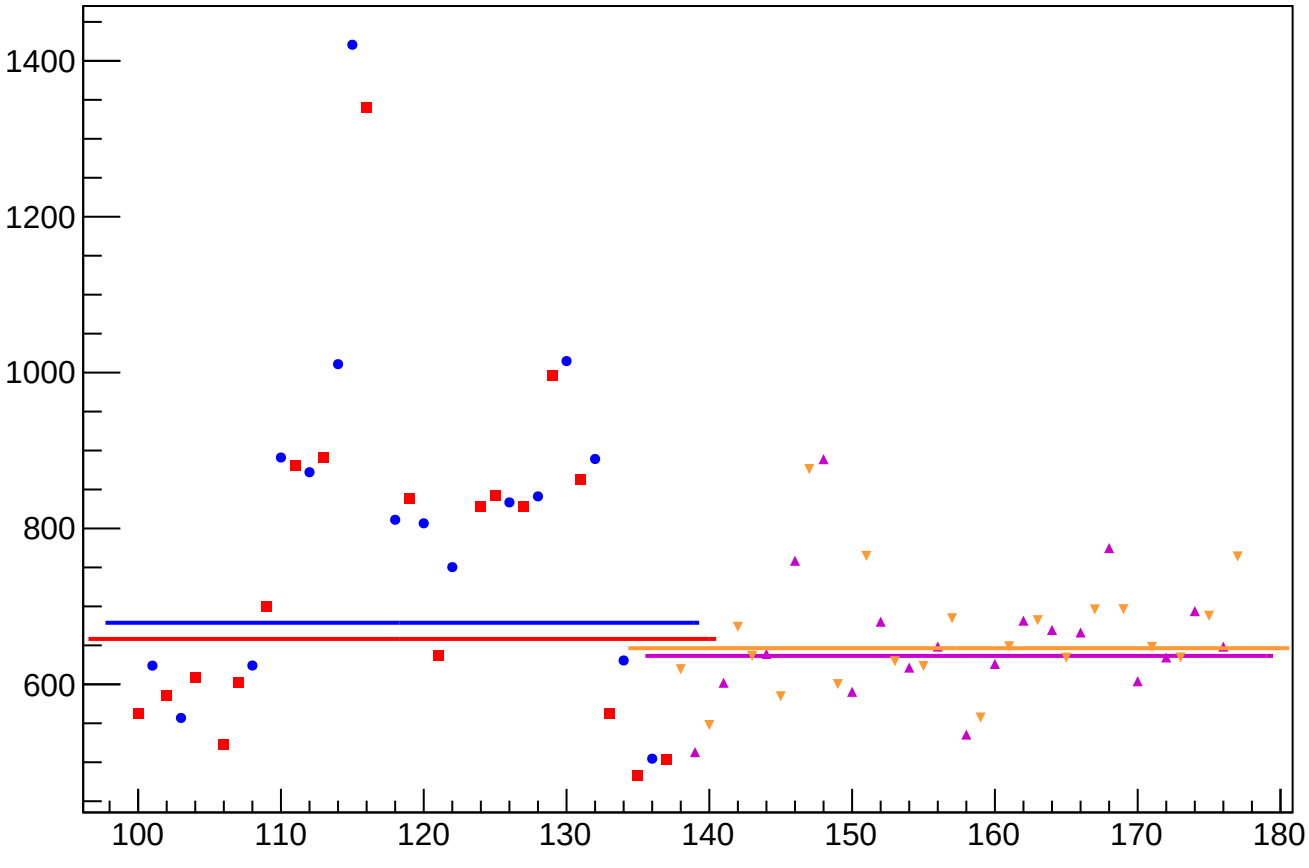
Left: 106.642+/-114.174 χ^2/NDF: 50.0/39

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -96.913+/-138.194 χ^2/NDF:41.8/34

Out: 27.772+/-134.551 χ^2/NDF:39.0/39

All: -32.905+/-96.404 χ^2/NDF: 81.3/74



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 646.368+/-0.113 χ^2/NDF:355481.6/20

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 636.475+/-0.115 χ^2/NDF:445541.5/18

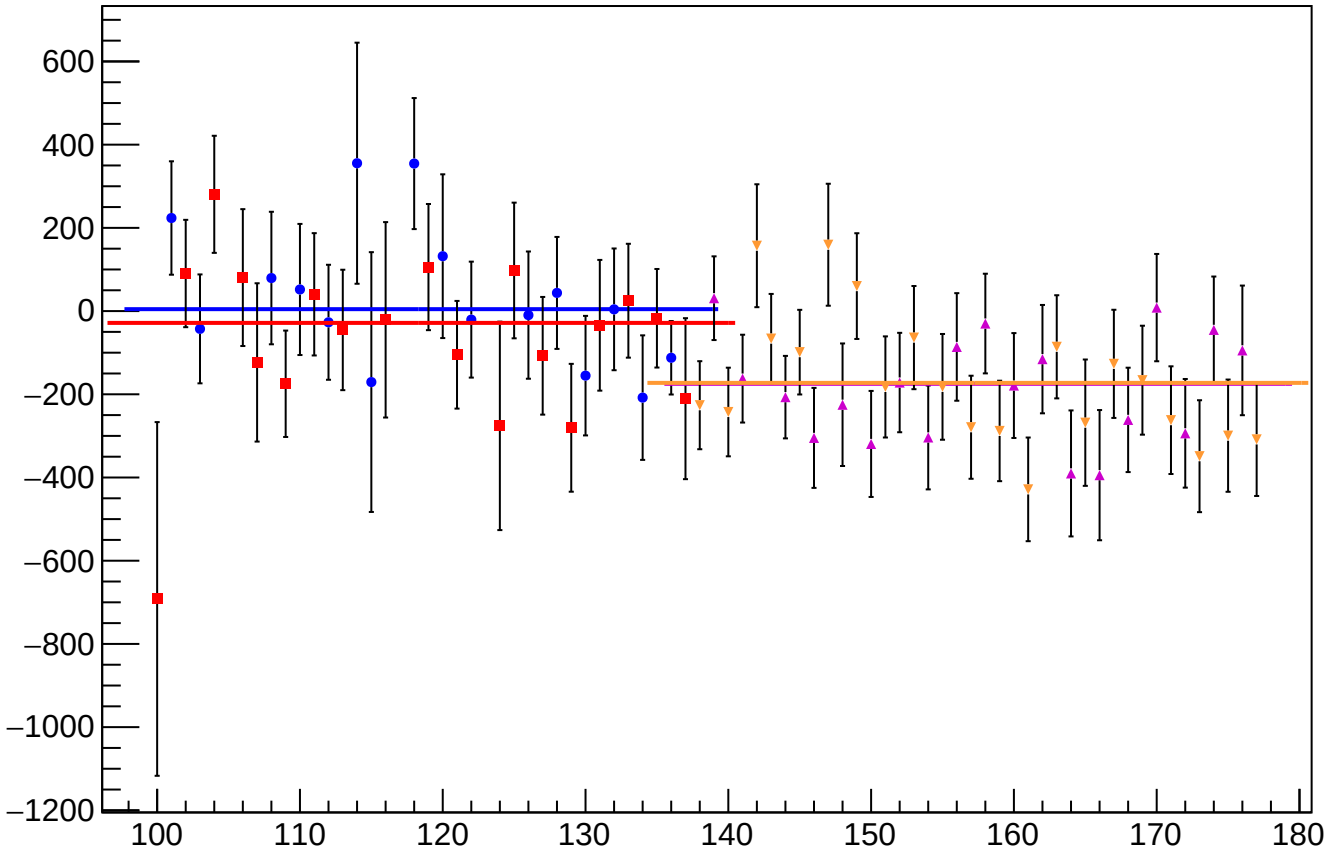
Left: 641.528+/-0.081 χ^2/NDF: 804775.6/39

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 648.518+/-0.098 χ^2/NDF:1251974.4/34

Out: 649.826+/-0.095 χ^2/NDF:1164602.1/39

All: 649.189+/-0.068 χ^2/NDF: 2416668.5/74



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -172.565+/-27.136 χ^2/NDF:27.4/20

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -174.880+/-28.609 χ^2/NDF:18.7/18

Left: -173.662+/-19.688 χ^2/NDF: 46.1/39

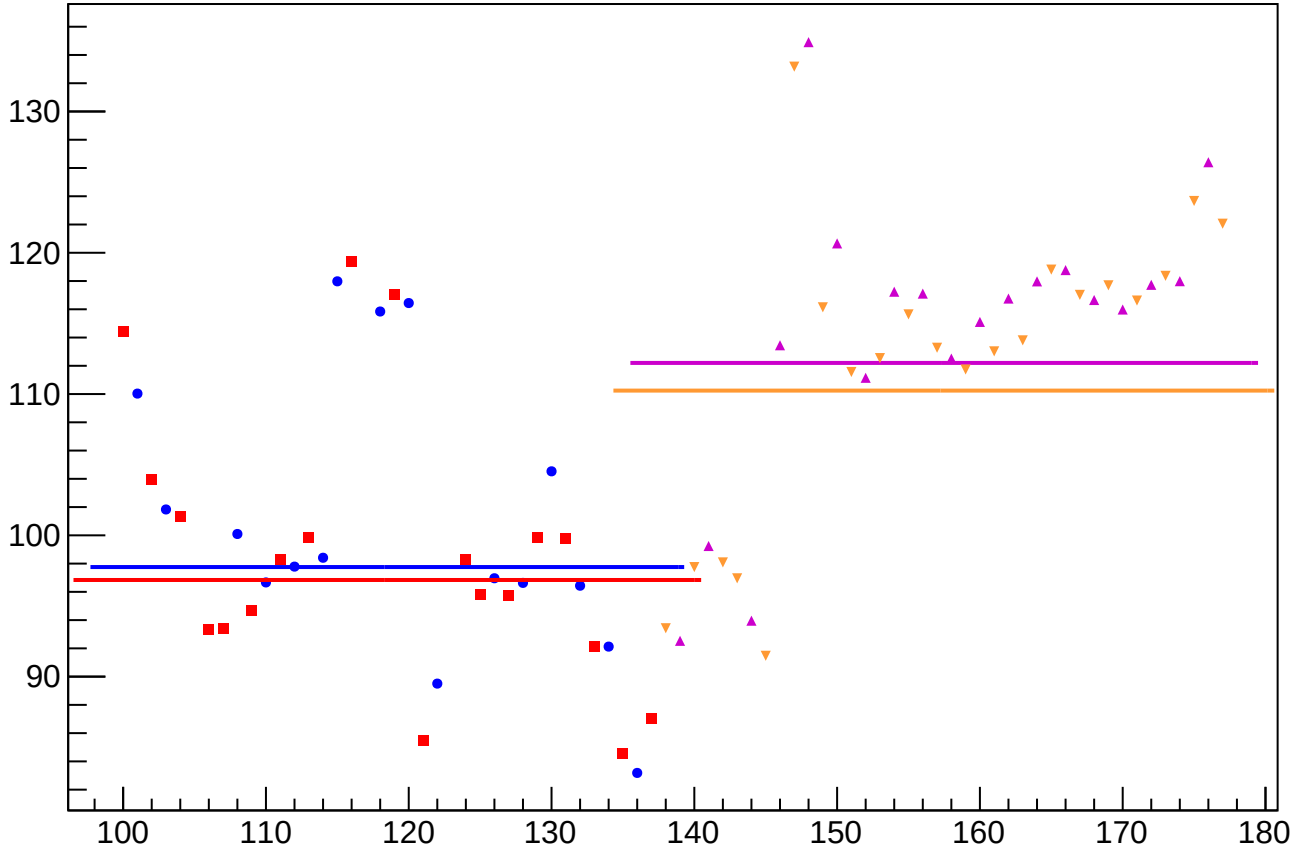
Right: -12.373+/-25.439 χ^2/NDF: 32.9/34

In: -106.592+/-22.519 χ^2/NDF:49.0/34

Out: -119.333+/-21.551 χ^2/NDF:54.9/39

All: -113.242+/-15.570 χ^2/NDF: 104.1/74

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 110.245+/-0.019 χ^2/NDF:317578.2/20

Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 112.203+/-0.020 χ^2/NDF:275686.8/18

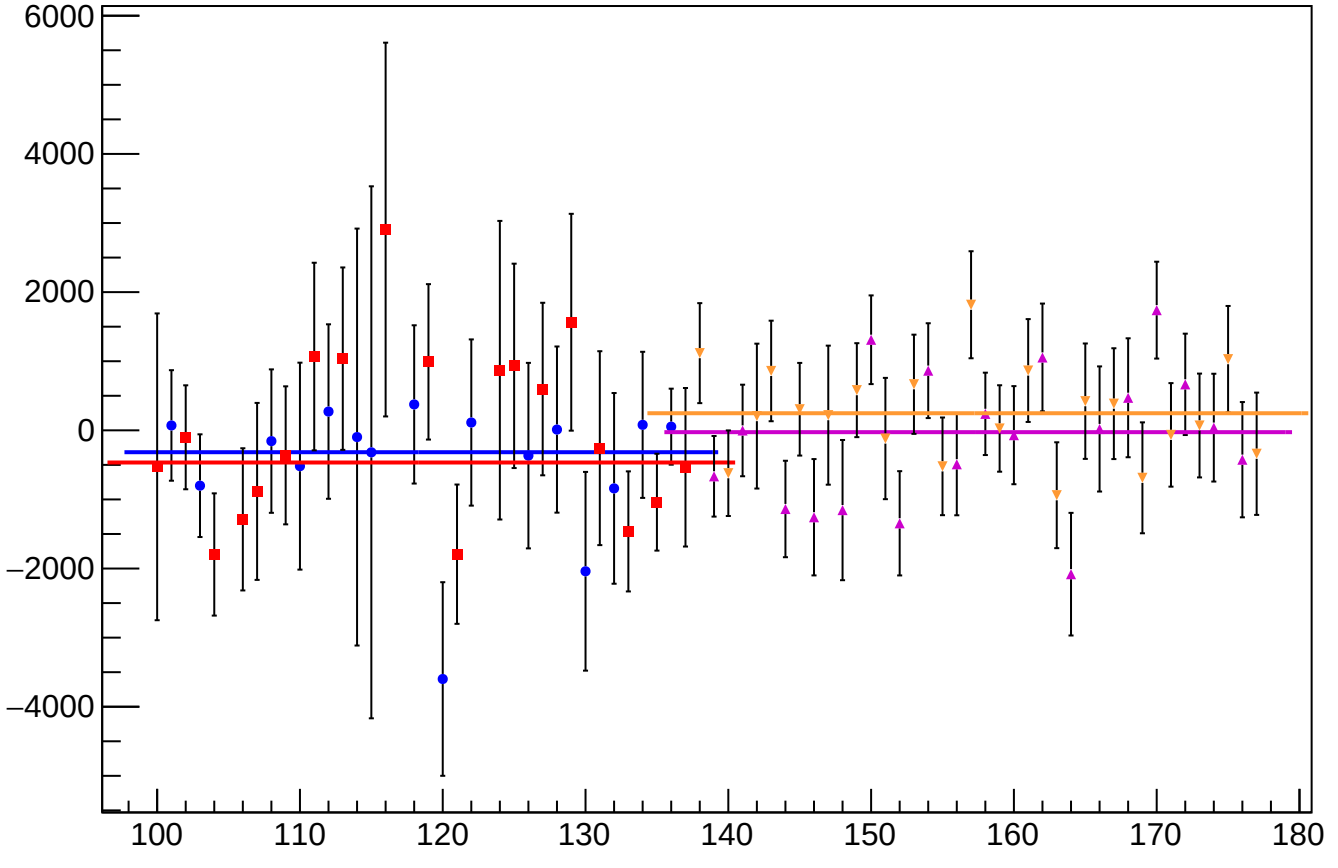
Left: 111.172+/-0.014 χ^2/NDF: 598197.1/39

Right: 97.285+/-0.018 χ^2/NDF: 256473.4/34

In: 106.707+/-0.016 χ^2/NDF:610379.6/34

Out: 105.295+/-0.015 χ^2/NDF:612985.4/39

All: 105.970+/-0.011 χ^2/NDF: 1227469.2/74



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 247.423+/-165.013 χ^2/NDF:16.5/20

Right Out: -465.576+/-256.646 χ^2/NDF: 16.5/18

Left In: -26.508+/-168.900 χ^2/NDF:31.9/18

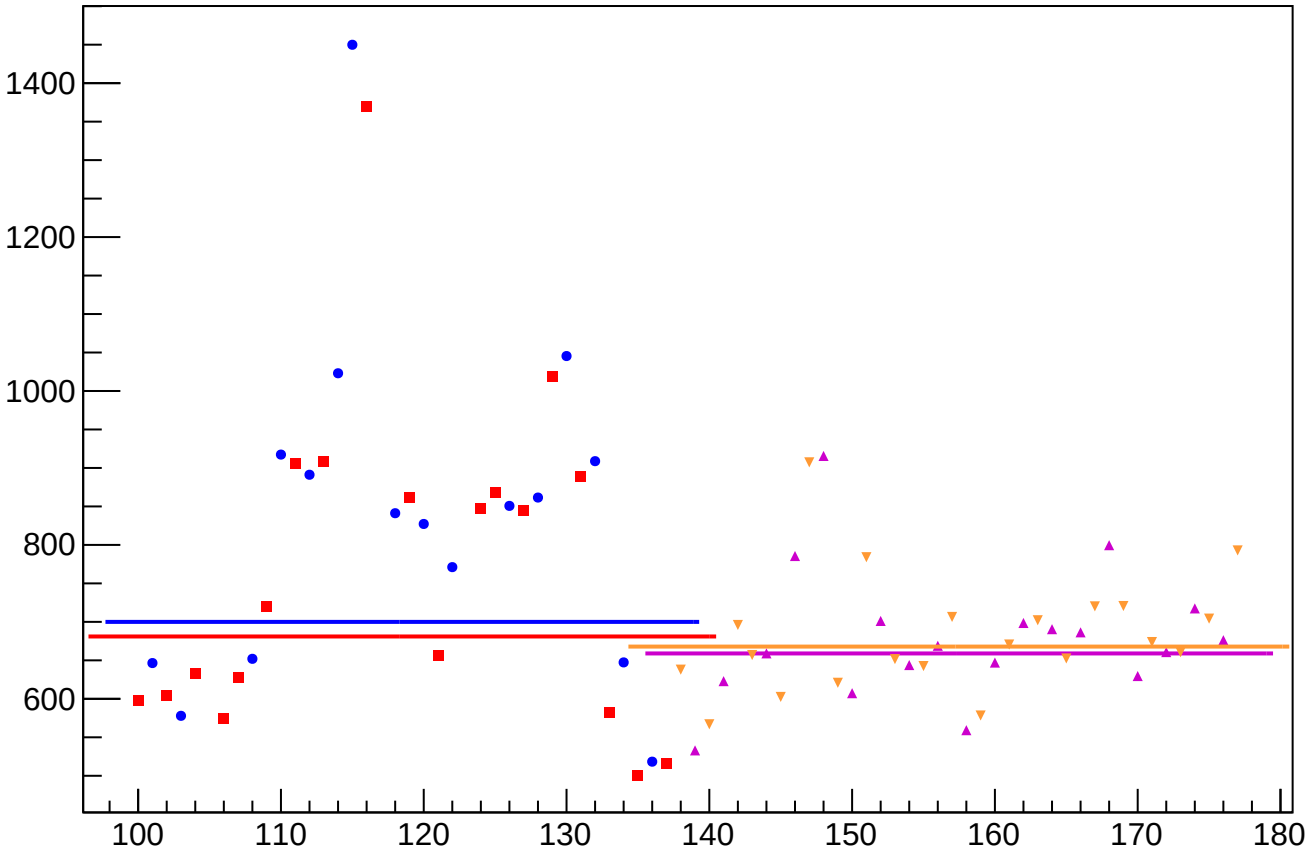
Left: 113.645+/-118.032 χ^2/NDF: 49.7/39

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -109.180+/-142.817 χ^2/NDF:41.9/34

Out: 38.880+/-138.799 χ^2/NDF:38.5/39

All: -33.038+/-99.536 χ^2/NDF: 80.9/74



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 667.883+/-0.117 χ^2/NDF:351312.6/20

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

Left In: 658.965+/-0.119 χ^2/NDF:428049.7/18

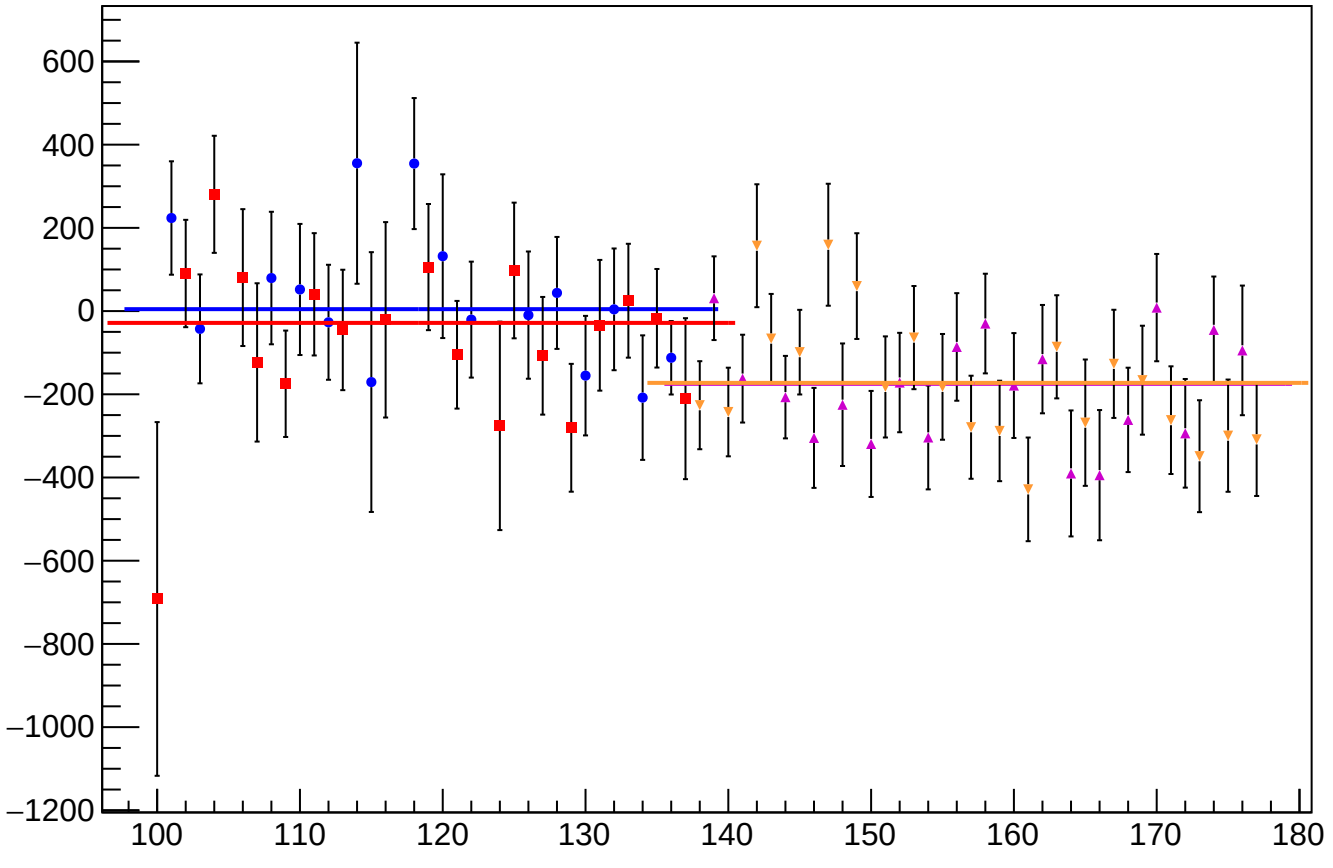
Left: 663.528+/-0.083 χ^2/NDF: 782214.5/39

Right: 690.102+/-0.131 χ^2/NDF: 1528292.0/34

In: 670.653+/-0.101 χ^2/NDF:1215316.3/34

Out: 671.724+/-0.098 χ^2/NDF:1124415.6/39

All: 671.204+/-0.070 χ^2/NDF: 2339789.7/74



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -172.565+/-27.136 χ^2/NDF:27.4/20

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -174.881+/-28.609 χ^2/NDF:18.7/18

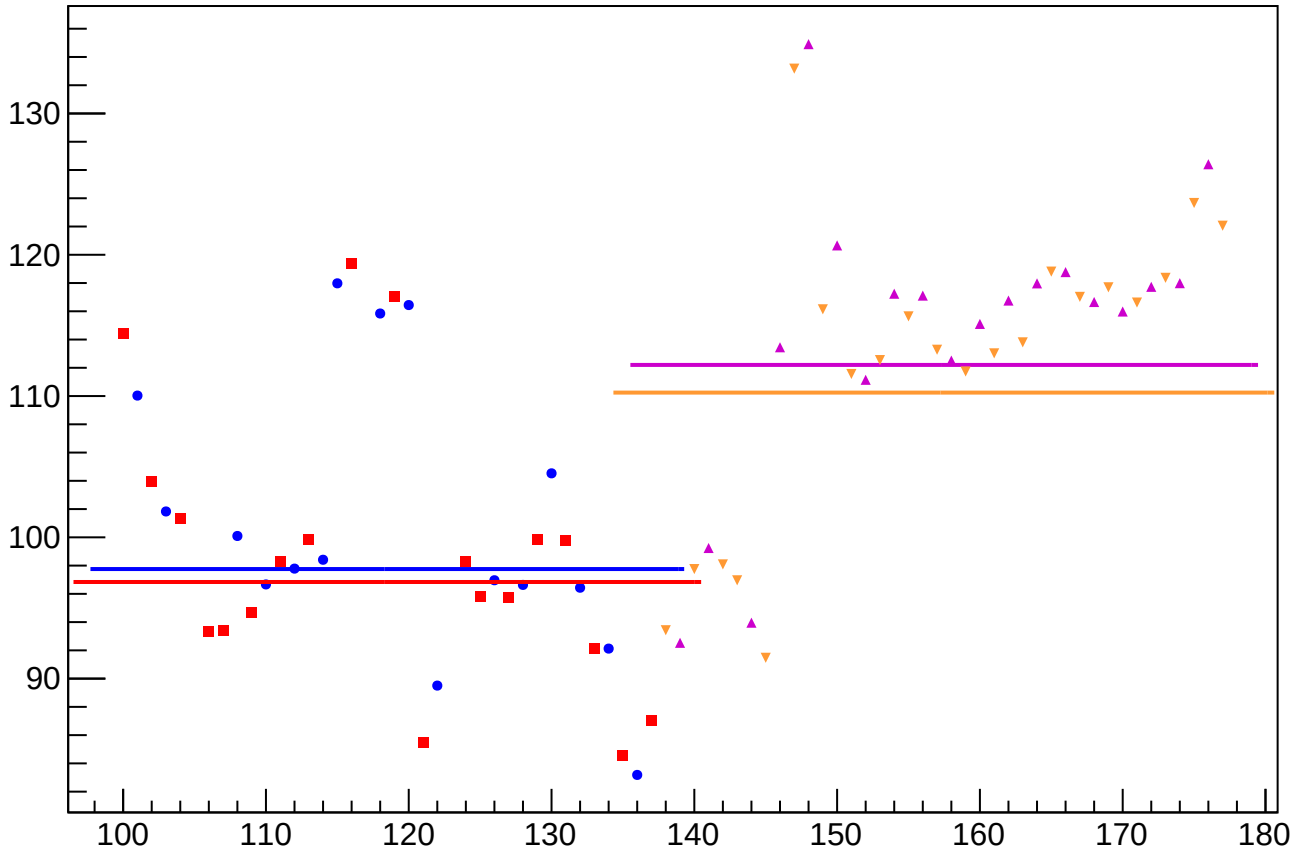
Left: -173.662+/-19.688 χ^2/NDF: 46.1/39

Right: -12.373+/-25.438 χ^2/NDF: 32.9/34

In: -106.592+/-22.519 χ^2/NDF:49.0/34

Out: -119.333+/-21.551 χ^2/NDF:54.9/39

All: -113.242+/-15.570 χ^2/NDF: 104.1/74



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 110.245+/-0.019 χ^2/NDF:317575.0/20

Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 112.203+/-0.020 χ^2/NDF:275682.9/18

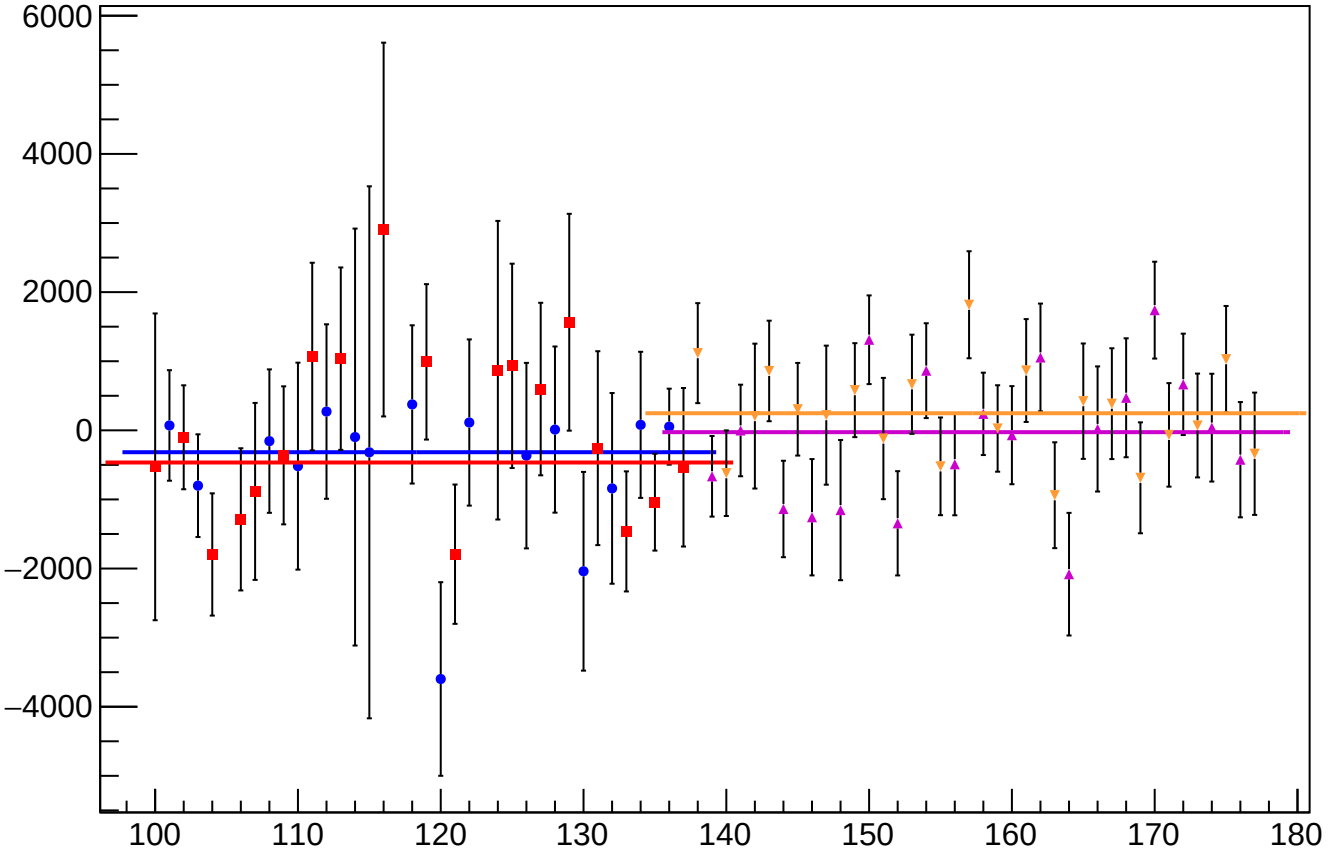
Left: 111.172+/-0.014 χ^2/NDF: 598190.3/39

Right: 97.284+/-0.018 χ^2/NDF: 256476.1/34

In: 106.707+/-0.016 χ^2/NDF:610386.7/34

Out: 105.295+/-0.015 χ^2/NDF:612994.8/39

All: 105.970+/-0.011 χ^2/NDF: 1227485.9/74



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 247.422+/-165.014 χ^2/NDF:16.5/20

Right Out: -465.576+/-256.645 χ^2/NDF: 16.5/18

Left In: -26.508+/-168.900 χ^2/NDF:31.9/18

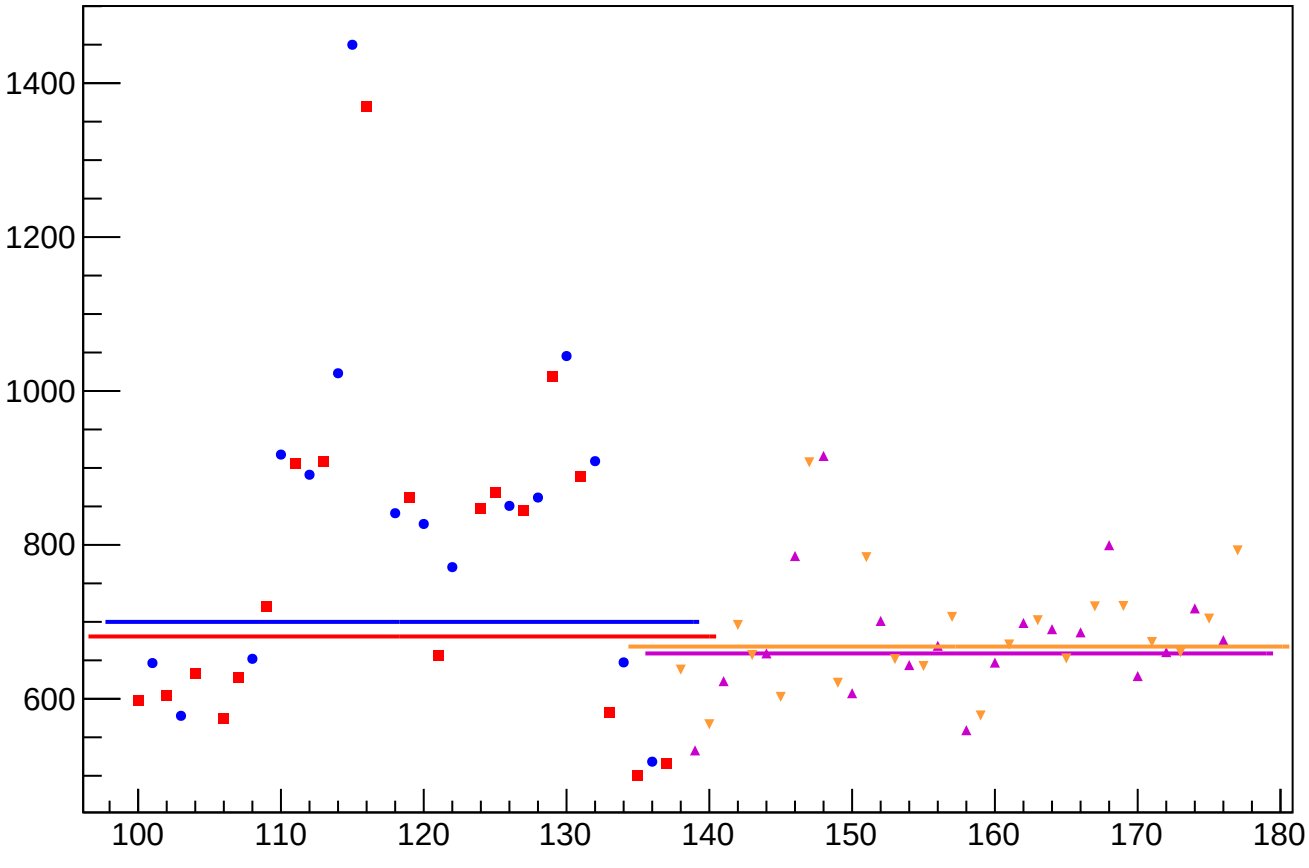
Left: 113.645+/-118.032 χ^2/NDF: 49.7/39

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -109.180+/-142.817 χ^2/NDF:41.9/34

Out: 38.879+/-138.799 χ^2/NDF:38.5/39

All: -33.038+/-99.536 χ^2/NDF: 80.9/74



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 667.883+/-0.117 χ^2/NDF:351311.1/20

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

Left In: 658.966+/-0.119 χ^2/NDF:428050.4/18

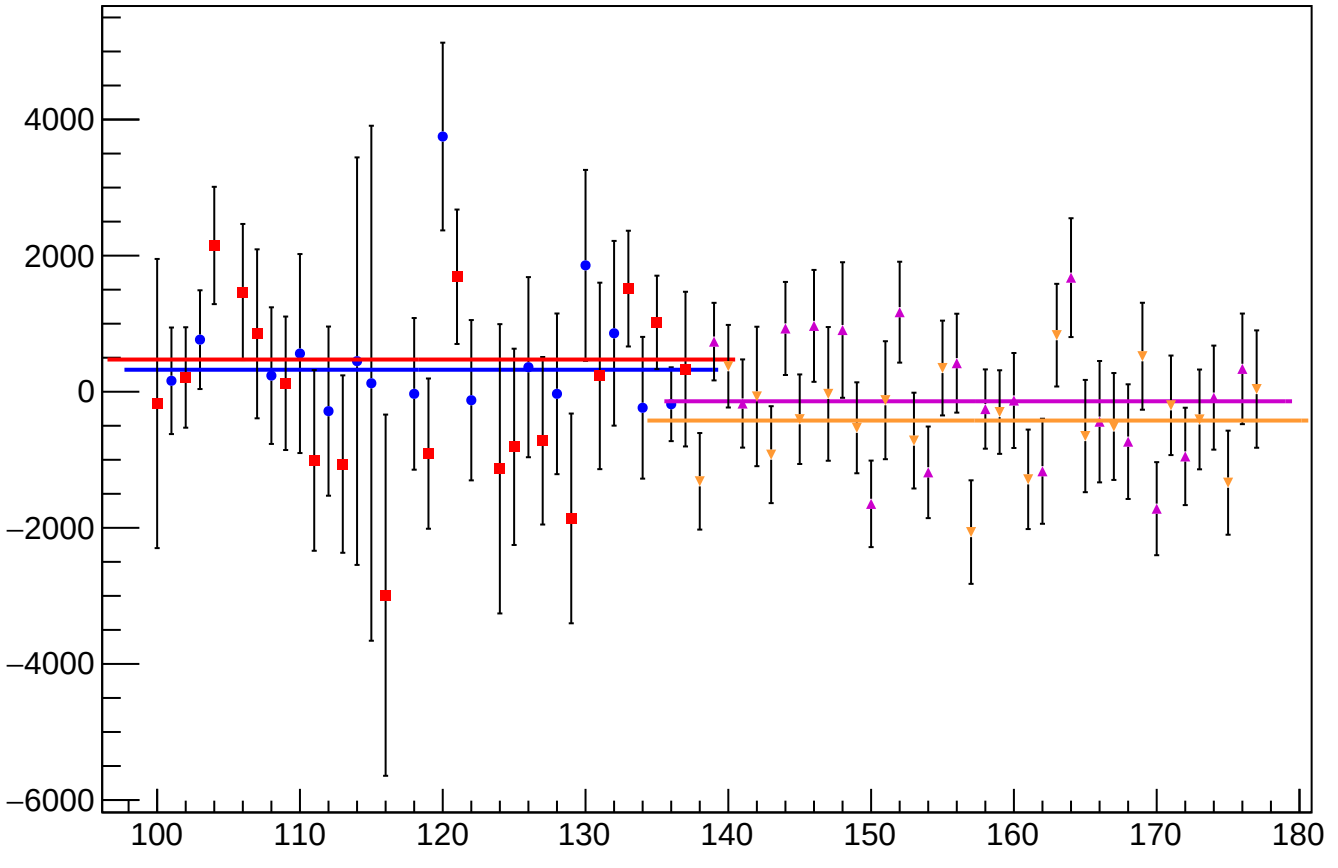
Left: 663.528+/-0.083 χ^2/NDF: 782213.7/39

Right: 690.100+/-0.131 χ^2/NDF: 1528298.1/34

In: 670.653+/-0.101 χ^2/NDF:1215316.4/34

Out: 671.724+/-0.098 χ^2/NDF:1124416.0/39

All: 671.204+/-0.070 χ^2/NDF: 2339790.3/74



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -423.432+/-161.964 χ^2/NDF:17.8/20

Right Out: 473.233+/-251.330 χ^2/NDF: 19.4/18

Left In: -140.292+/-165.631 χ^2/NDF:33.2/18

Left: -285.031+/-115.800 χ^2/NDF: 52.5/39

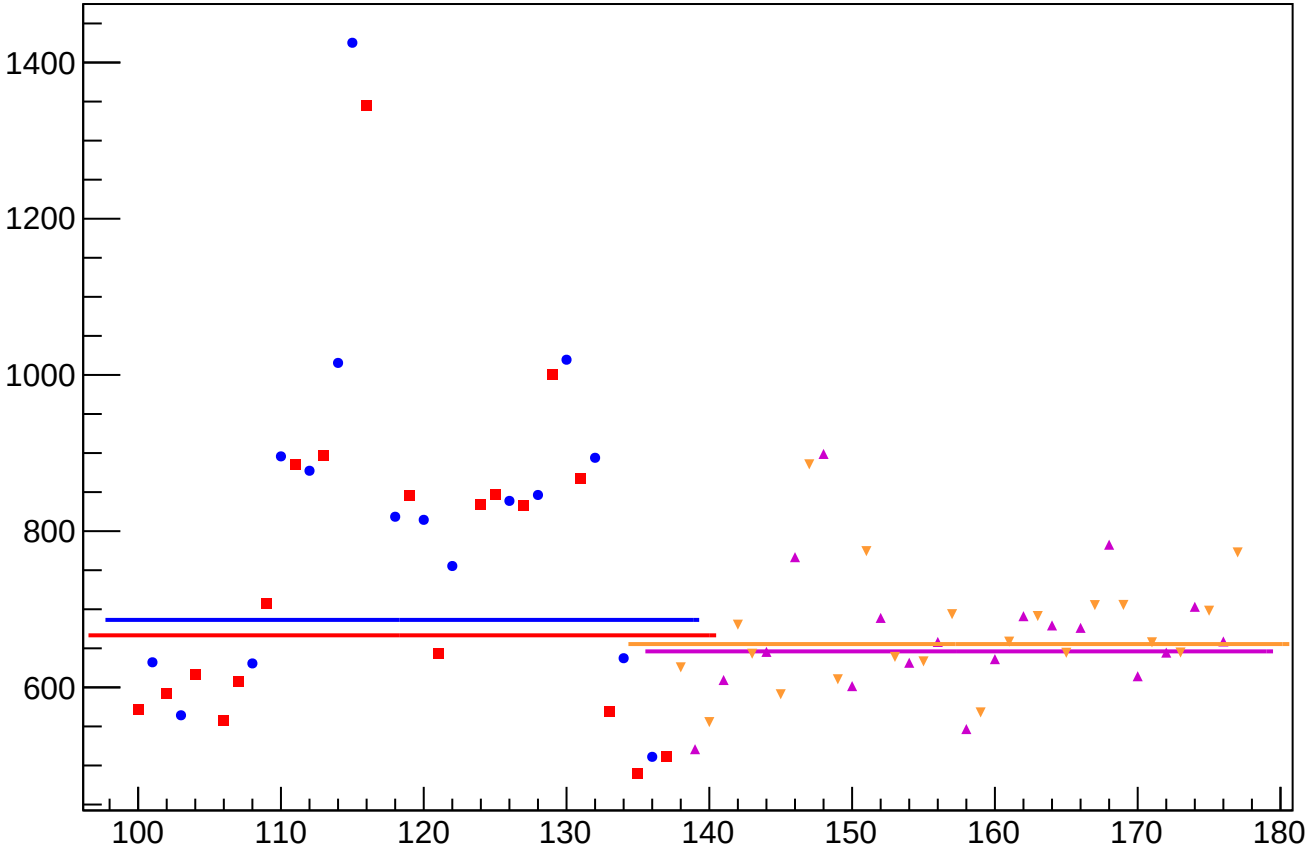
Right: 401.428+/-181.482 χ^2/NDF: 29.3/34

In: -8.189+/-140.052 χ^2/NDF:45.1/34

Out: -160.324+/-136.143 χ^2/NDF:46.2/39

All: -86.409+/-97.620 χ^2/NDF: 92.0/74

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 655.454+/-0.115 χ^2/NDF:348639.9/20

Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 646.090+/-0.117 χ^2/NDF:431993.1/18

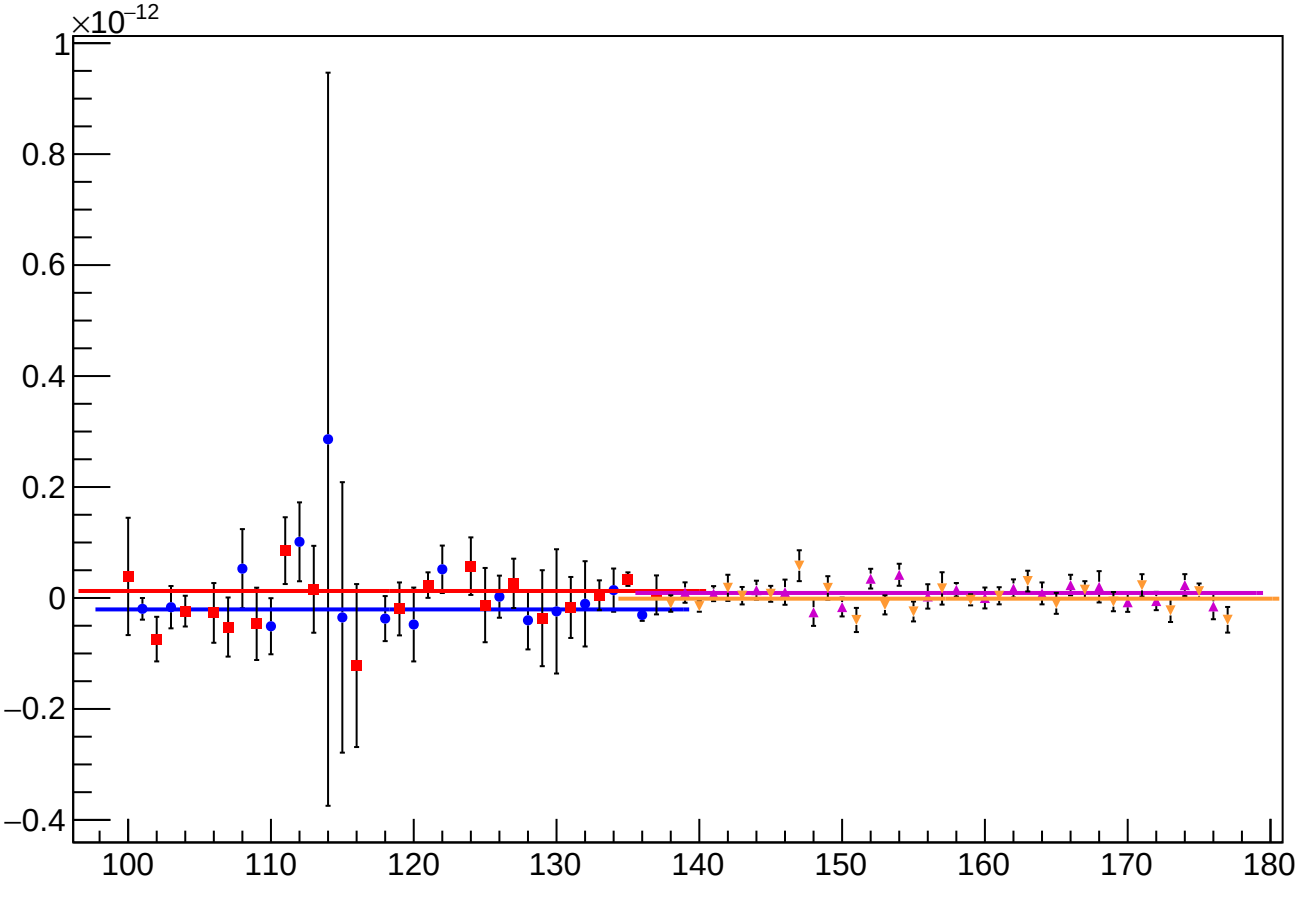
Left: 650.877+/-0.082 χ^2/NDF: 783900.6/39

Right: 676.091+/-0.128 χ^2/NDF: 1532404.9/34

In: 657.578+/-0.099 χ^2/NDF:1215201.0/34

Out: 658.735+/-0.096 χ^2/NDF:1128470.0/39

All: 658.173+/-0.069 χ^2/NDF: 2343741.2/74



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:14.0/18

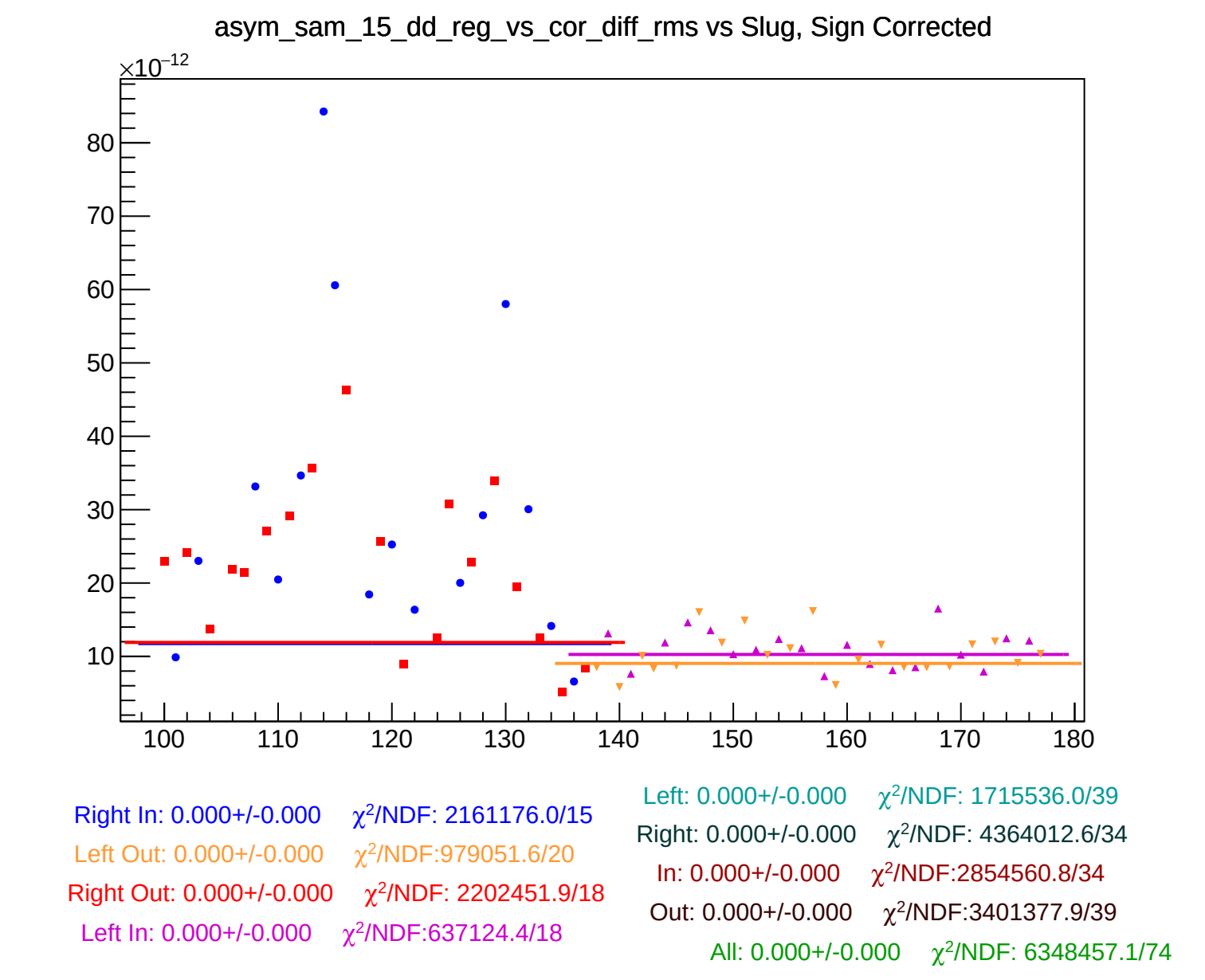
Left: 0.000+/-0.000 χ^2/NDF: 42.4/39

Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: 0.000+/-0.000 χ^2/NDF:35.2/34

Out: 0.000+/-0.000 χ^2/NDF:44.5/39

All: 0.000+/-0.000 χ^2/NDF: 79.8/74


asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
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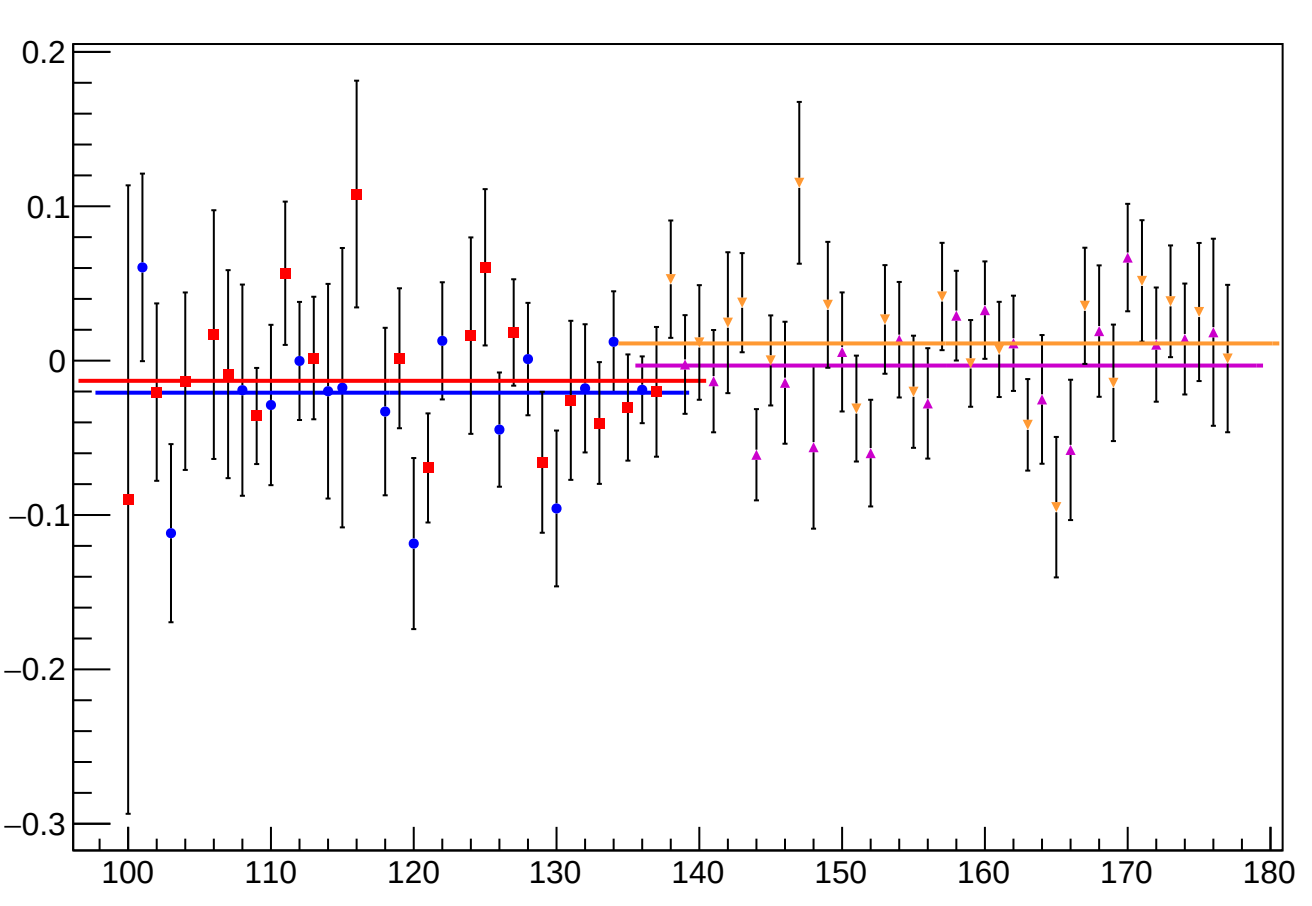
Right In: 0.000+/-0.000 χ²/NDF: 2161176.0/15
Left Out: 0.000+/-0.000 χ²/NDF:979051.6/20
Right Out: 0.000+/-0.000 χ²/NDF: 2202451.9/18
Left In: 0.000+/-0.000 χ²/NDF:637124.4/18
Left: 0.000+/-0.000 χ²/NDF: 1715536.0/39
Right: 0.000+/-0.000 χ²/NDF: 4364012.6/34
In: 0.000+/-0.000 χ²/NDF:2854560.8/34
Out: 0.000+/-0.000 χ²/NDF:3401377.9/39
All: 0.000+/-0.000 χ²/NDF: 6348457.1/74



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.011+/-0.008 χ^2/NDF:21.2/20

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.003+/-0.008 χ^2/NDF:17.7/18

Left: 0.004+/-0.006 χ^2/NDF: 40.5/39

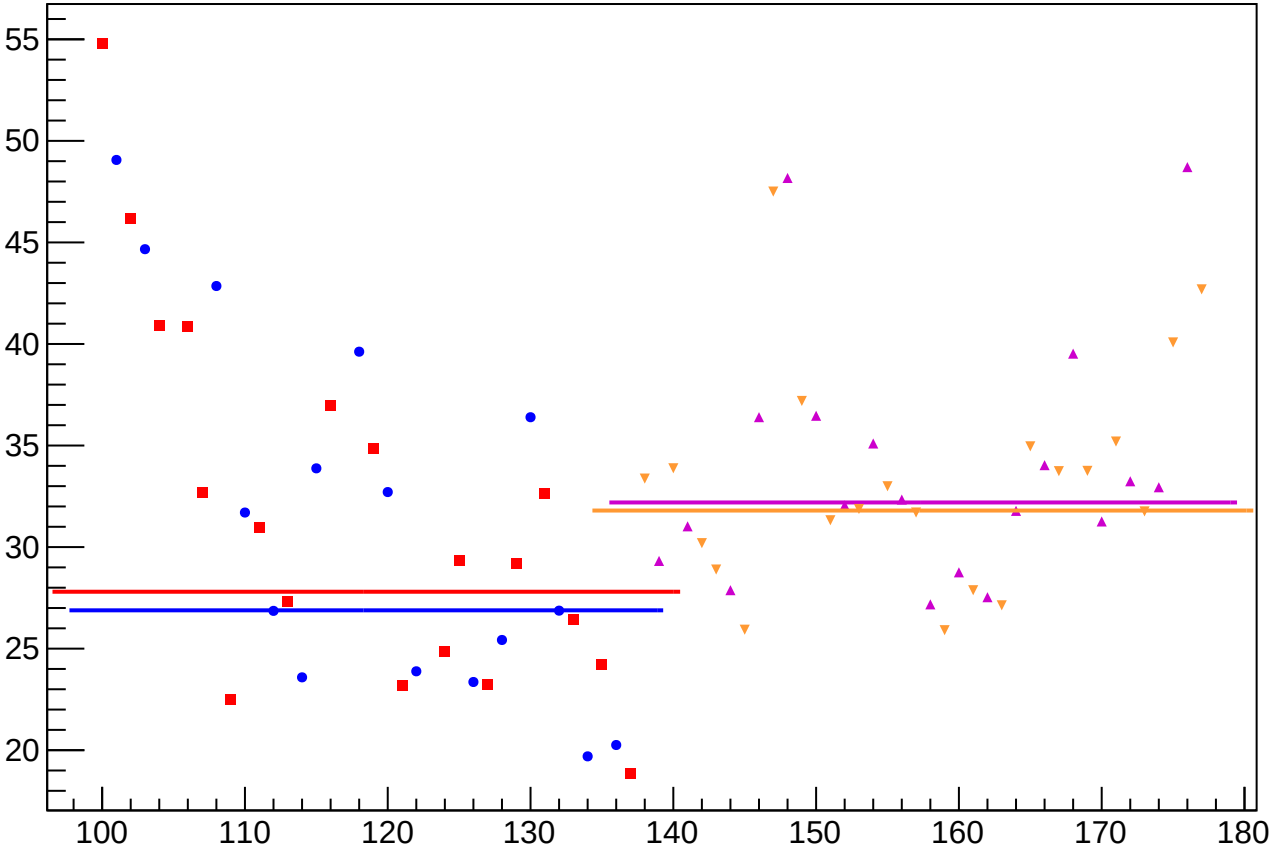
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.010+/-0.007 χ^2/NDF:32.0/34

Out: 0.002+/-0.006 χ^2/NDF:38.5/39

All: -0.004+/-0.005 χ^2/NDF: 72.3/74

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 31.799+/-0.006 χ^2/NDF:704273.0/20

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 32.197+/-0.006 χ^2/NDF:647969.1/18

Left: 31.989+/-0.004 χ^2/NDF: 1354643.4/39

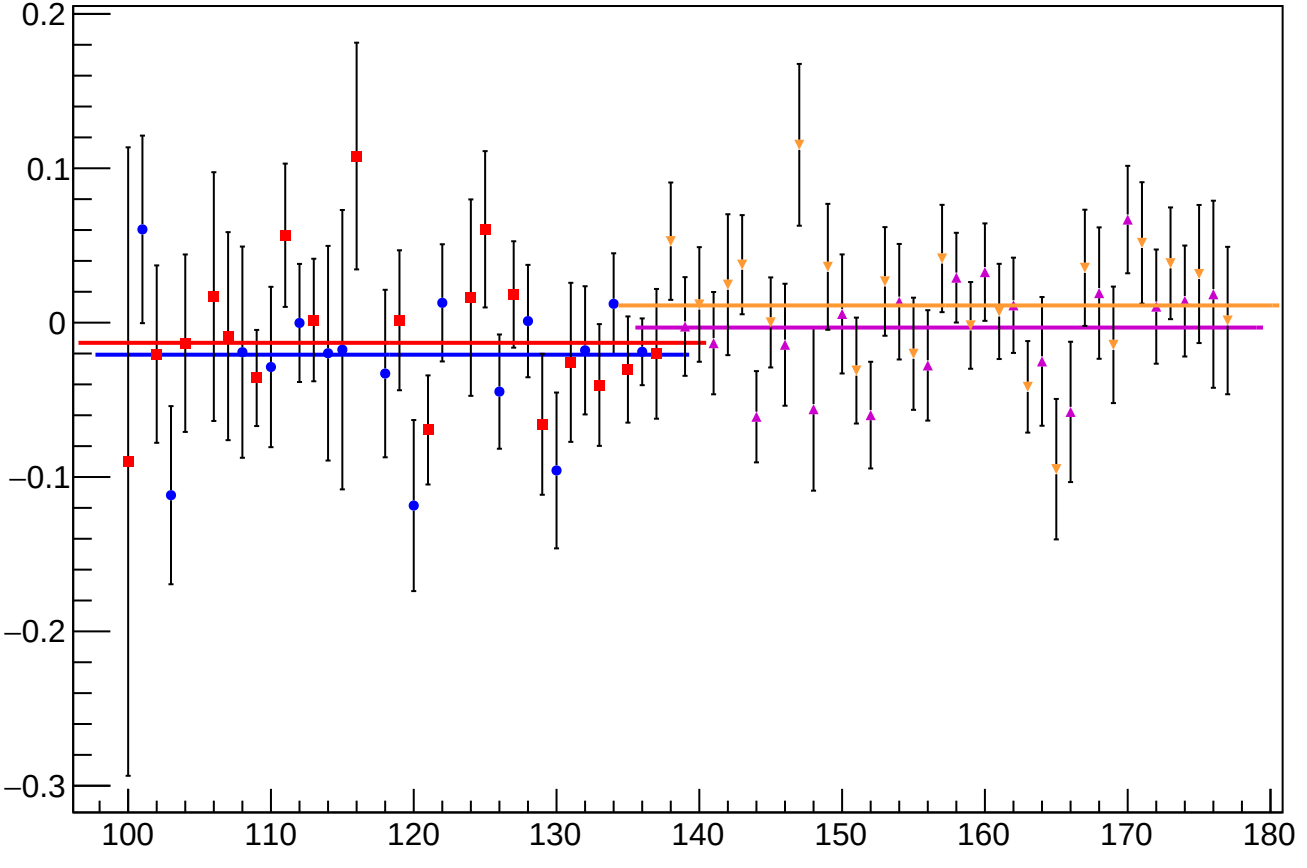
Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 30.155+/-0.005 χ^2/NDF:2082913.9/34

Out: 30.357+/-0.004 χ^2/NDF:1651234.4/39

All: 30.259+/-0.003 χ^2/NDF: 3735143.9/74

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: 0.011+/-0.008 χ^2/NDF:21.2/20

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.003+/-0.008 χ^2/NDF:17.7/18

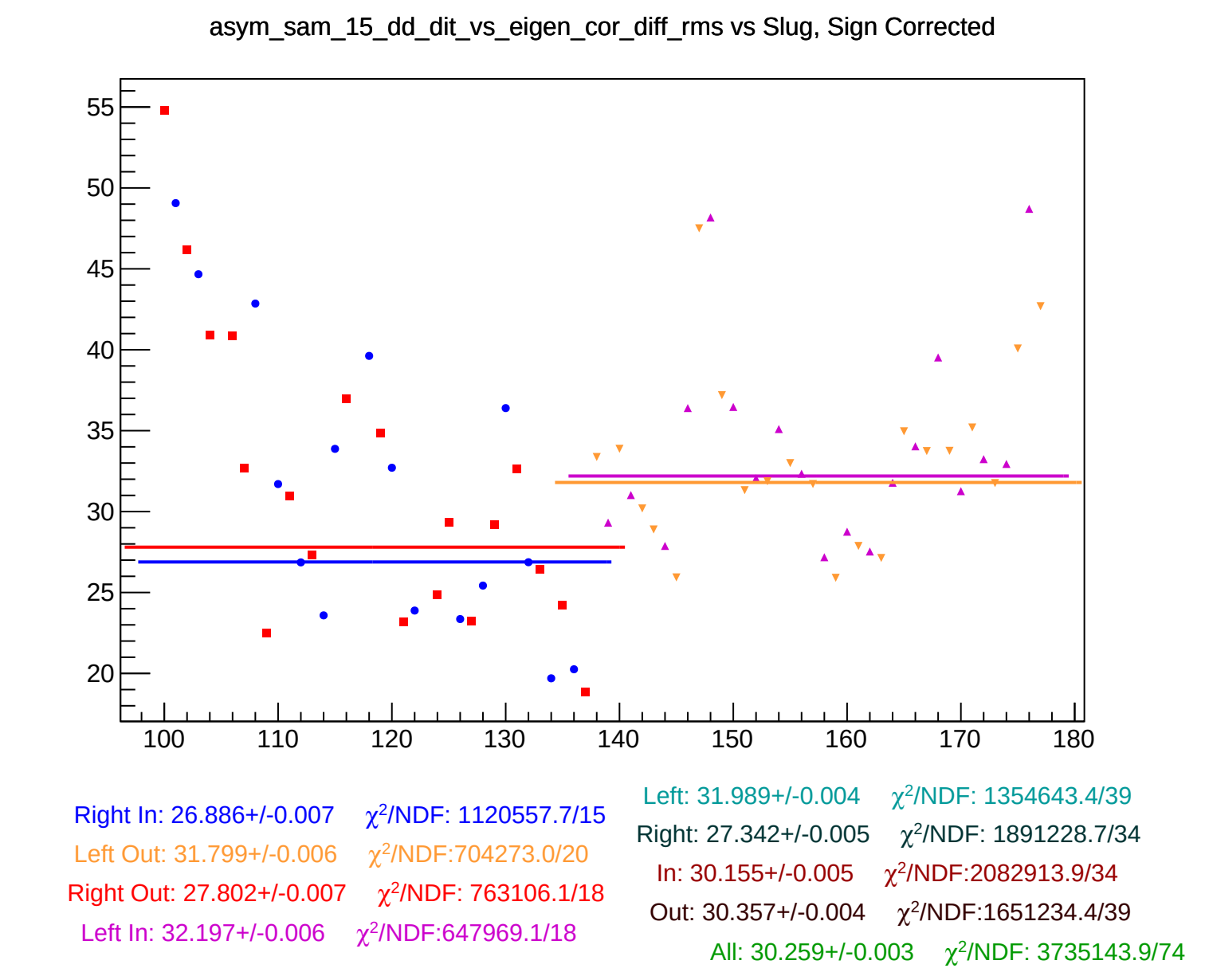
Left: 0.004+/-0.006 χ^2/NDF: 40.5/39

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.010+/-0.007 χ^2/NDF:32.0/34

Out: 0.002+/-0.006 χ^2/NDF:38.5/39

All: -0.004+/-0.005 χ^2/NDF: 72.3/74


asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
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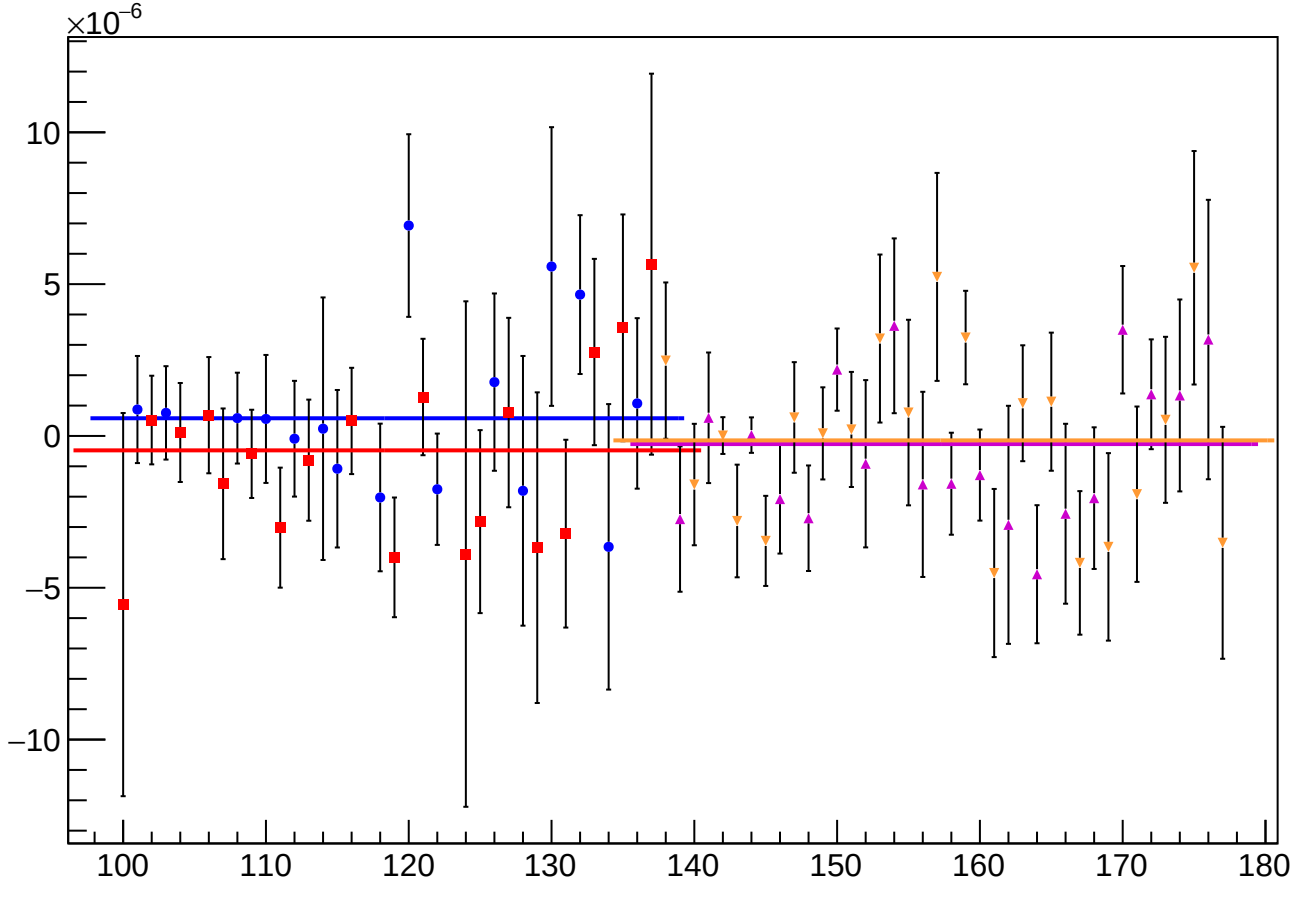
Right In: 26.886+/-0.007 χ²/NDF: 1120557.7/15
Left Out: 31.799+/-0.006 χ²/NDF:704273.0/20
Right Out: 27.802+/-0.007 χ²/NDF: 763106.1/18
Left In: 32.197+/-0.006 χ²/NDF:647969.1/18
Left: 31.989+/-0.004 χ²/NDF: 1354643.4/39
Right: 27.342+/-0.005 χ²/NDF: 1891228.7/34
In: 30.155+/-0.005 χ²/NDF:2082913.9/34
Out: 30.357+/-0.004 χ²/NDF:1651234.4/39
All: 30.259+/-0.003 χ²/NDF: 3735143.9/74



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.6/20

Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/18

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

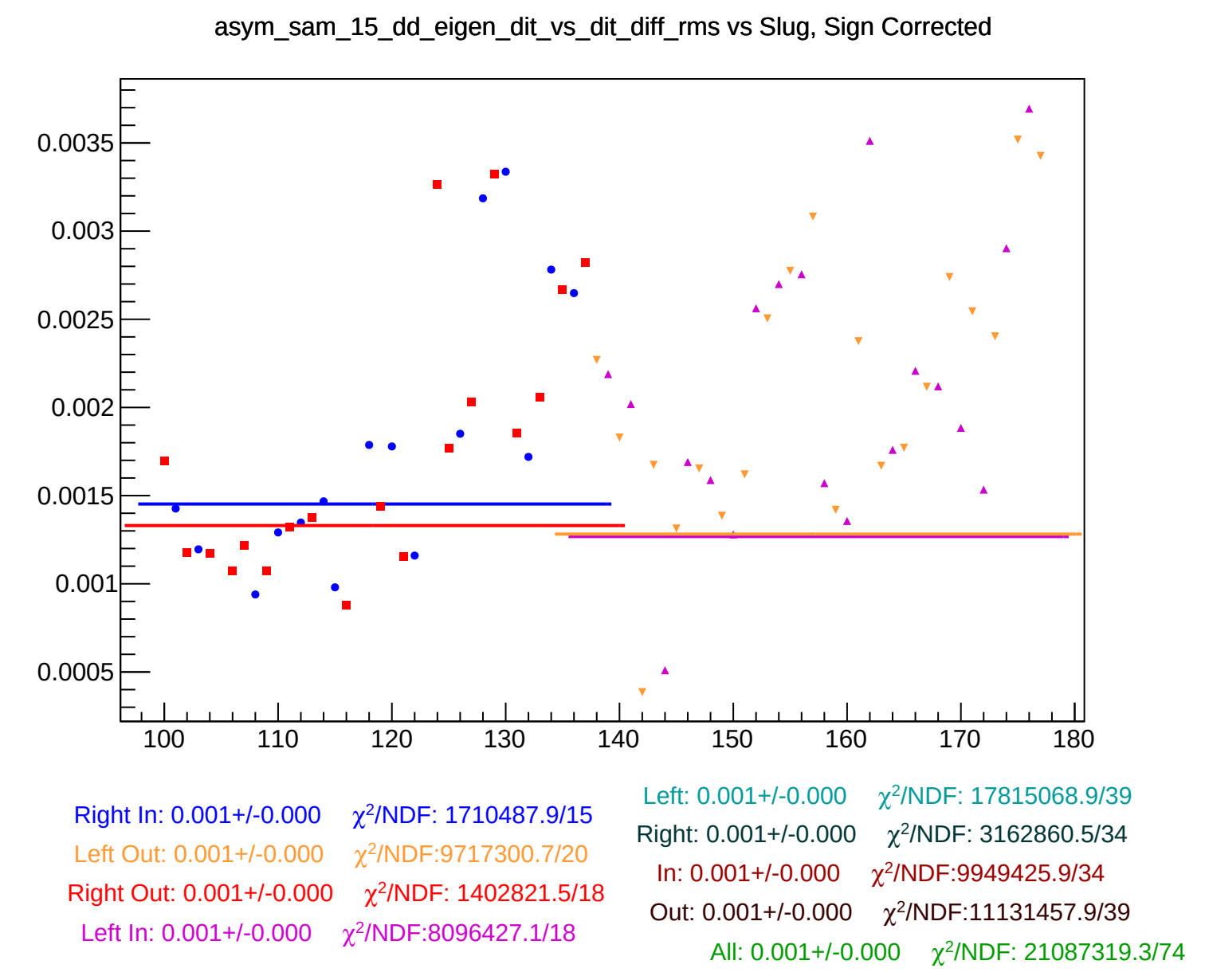
Left: -0.000+/-0.000 χ^2/NDF: 49.6/39

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:35.2/34

Out: -0.000+/-0.000 χ^2/NDF:42.0/39

All: -0.000+/-0.000 χ^2/NDF: 77.6/74


asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0035
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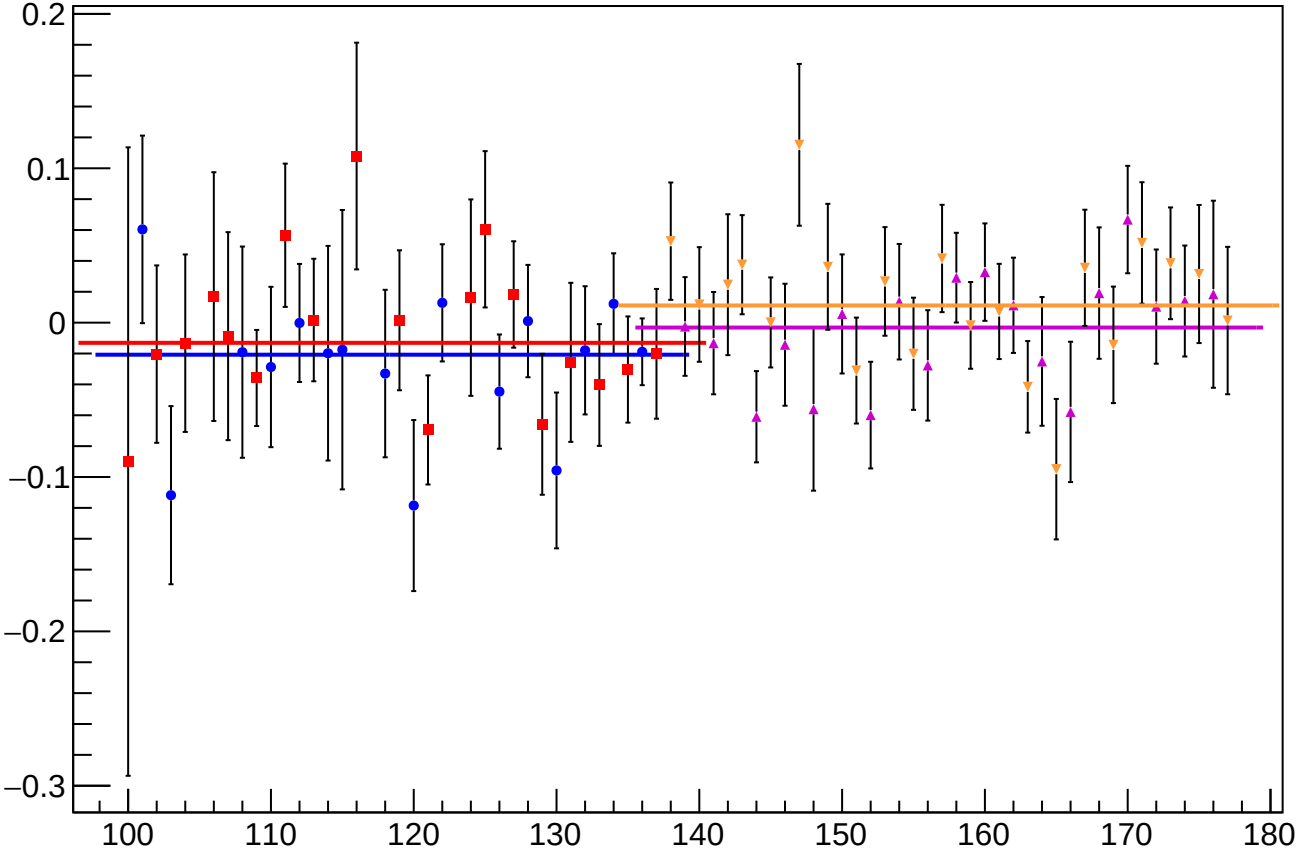
Right In: 0.001+/-0.000 χ²/NDF: 1710487.9/15
Left Out: 0.001+/-0.000 χ²/NDF:9717300.7/20
Right Out: 0.001+/-0.000 χ²/NDF: 1402821.5/18
Left In: 0.001+/-0.000 χ²/NDF:8096427.1/18
Left: 0.001+/-0.000 χ²/NDF: 17815068.9/39
Right: 0.001+/-0.000 χ²/NDF: 3162860.5/34
In: 0.001+/-0.000 χ²/NDF:9949425.9/34
Out: 0.001+/-0.000 χ²/NDF:11131457.9/39
All: 0.001+/-0.000 χ²/NDF: 21087319.3/74

asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.011+/-0.008 χ^2/NDF:21.2/20

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.003+/-0.008 χ^2/NDF:17.7/18

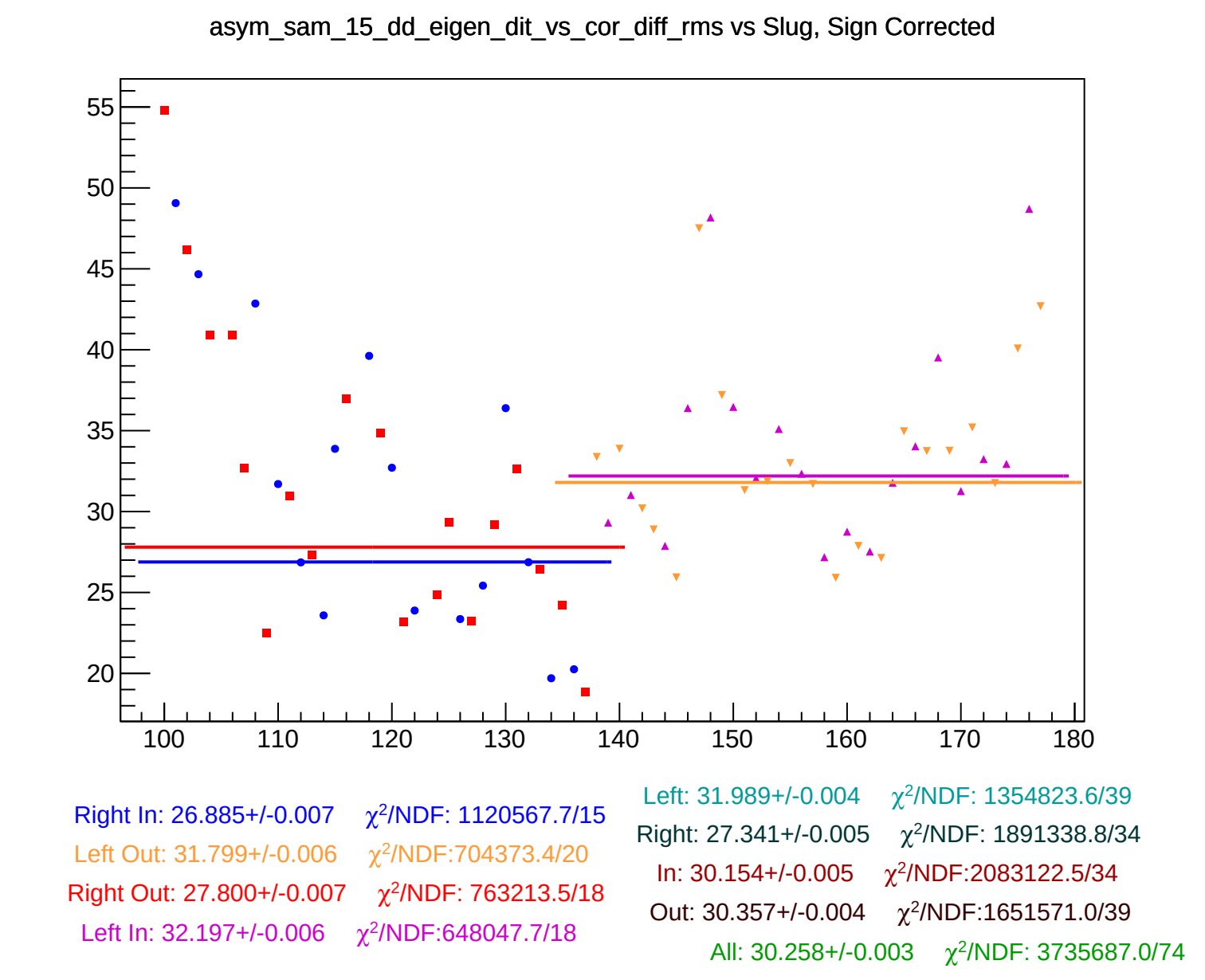
Left: 0.004+/-0.006 χ^2/NDF: 40.5/39

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.010+/-0.007 χ^2/NDF:32.0/34

Out: 0.002+/-0.006 χ^2/NDF:38.5/39

All: -0.004+/-0.005 χ^2/NDF: 72.3/74


asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
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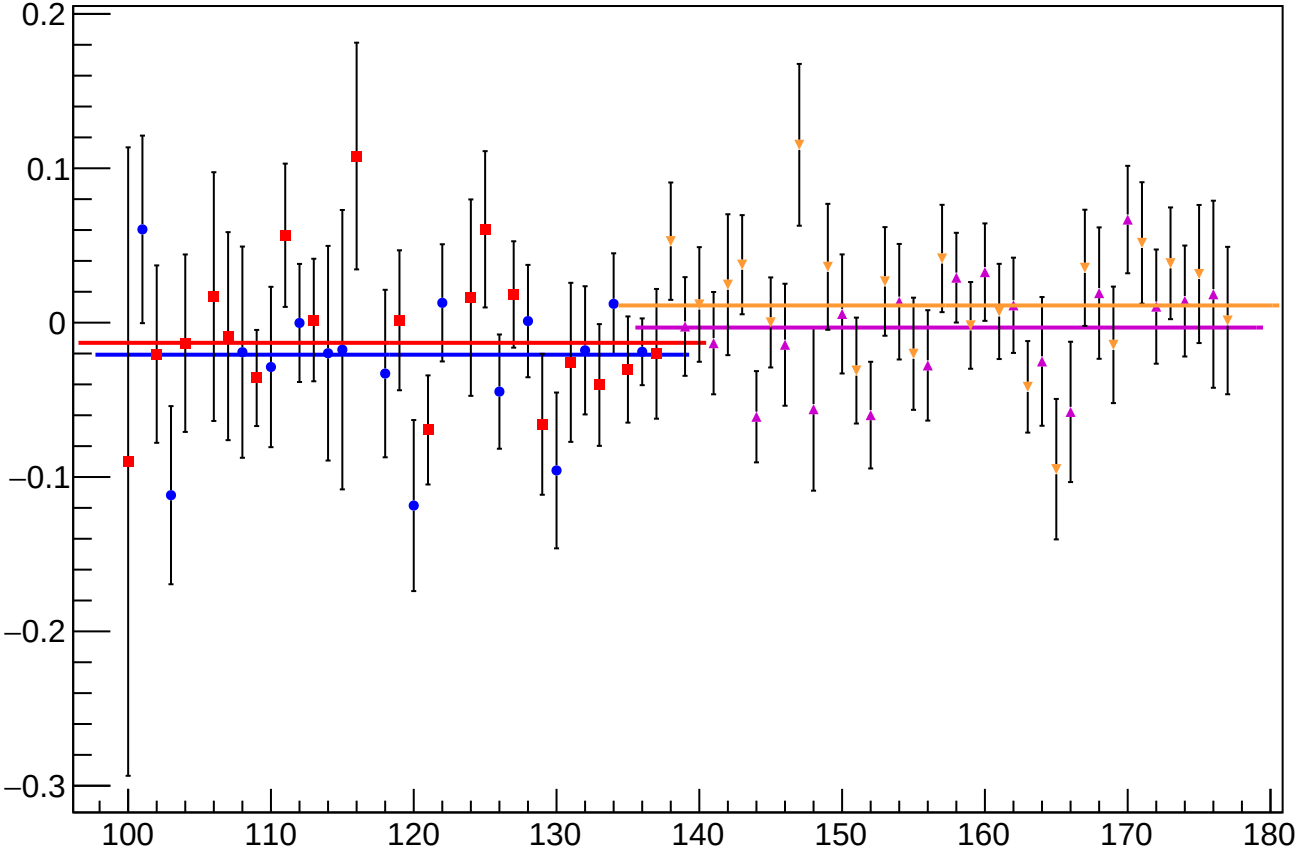
Right In: 26.885+/-0.007 χ²/NDF: 1120567.7/15
Left Out: 31.799+/-0.006 χ²/NDF:704373.4/20
Right Out: 27.800+/-0.007 χ²/NDF: 763213.5/18
Left In: 32.197+/-0.006 χ²/NDF:648047.7/18
Left: 31.989+/-0.004 χ²/NDF: 1354823.6/39
Right: 27.341+/-0.005 χ²/NDF: 1891338.8/34
In: 30.154+/-0.005 χ²/NDF:2083122.5/34
Out: 30.357+/-0.004 χ²/NDF:1651571.0/39
All: 30.258+/-0.003 χ²/NDF: 3735687.0/74

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.011+/-0.008 χ^2/NDF:21.2/20

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.003+/-0.008 χ^2/NDF:17.7/18

Left: 0.004+/-0.006 χ^2/NDF: 40.5/39

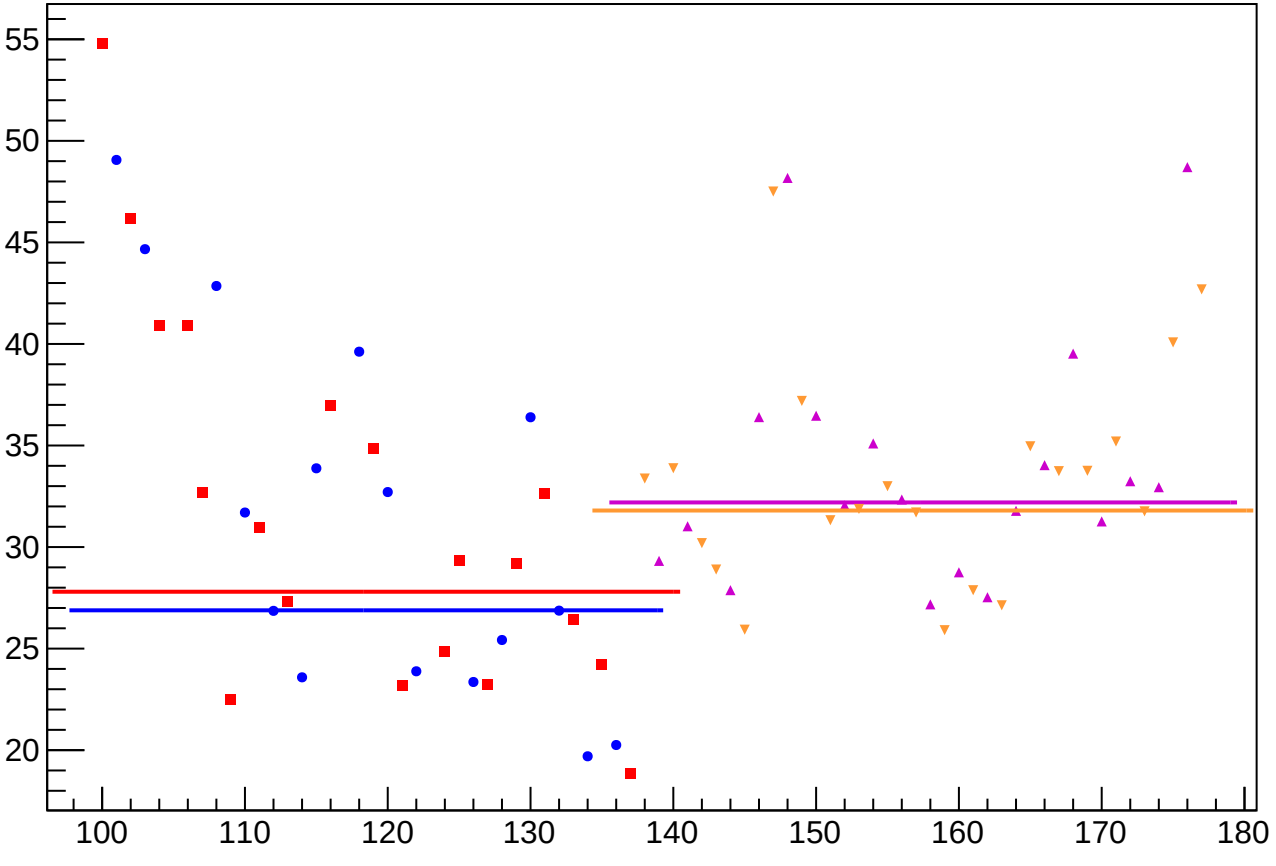
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.010+/-0.007 χ^2/NDF:32.0/34

Out: 0.002+/-0.006 χ^2/NDF:38.5/39

All: -0.004+/-0.005 χ^2/NDF: 72.3/74

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 31.799+/-0.006 χ^2/NDF:704373.4/20

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 32.197+/-0.006 χ^2/NDF:648047.7/18

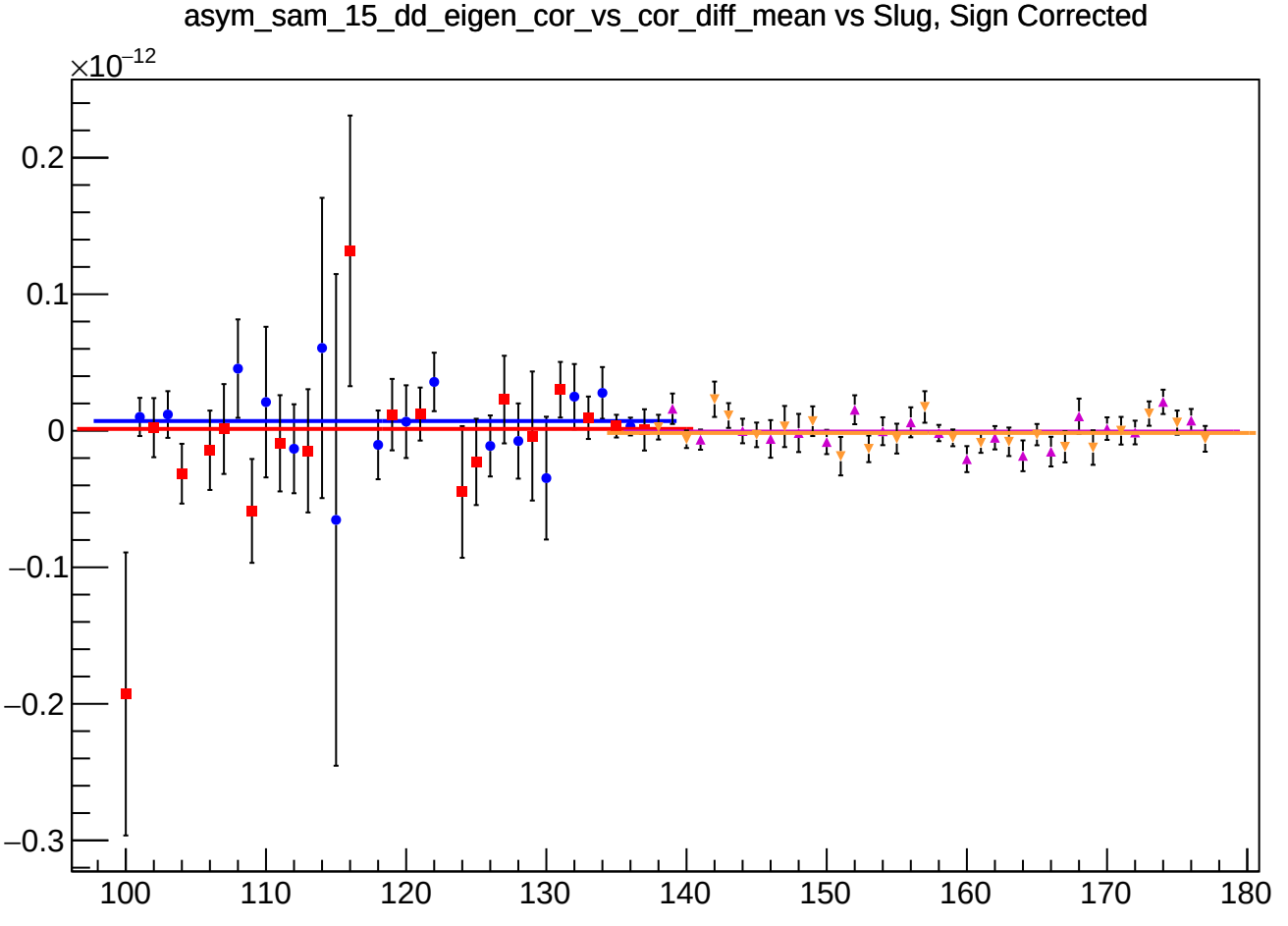
Left: 31.989+/-0.004 χ^2/NDF: 1354823.6/39

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 30.154+/-0.005 χ^2/NDF:2083122.5/34

Out: 30.357+/-0.004 χ^2/NDF:1651571.0/39

All: 30.258+/-0.003 χ^2/NDF: 3735687.0/74



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.6/20

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:23.3/18

Left: -0.000+/-0.000 χ^2/NDF: 43.0/39

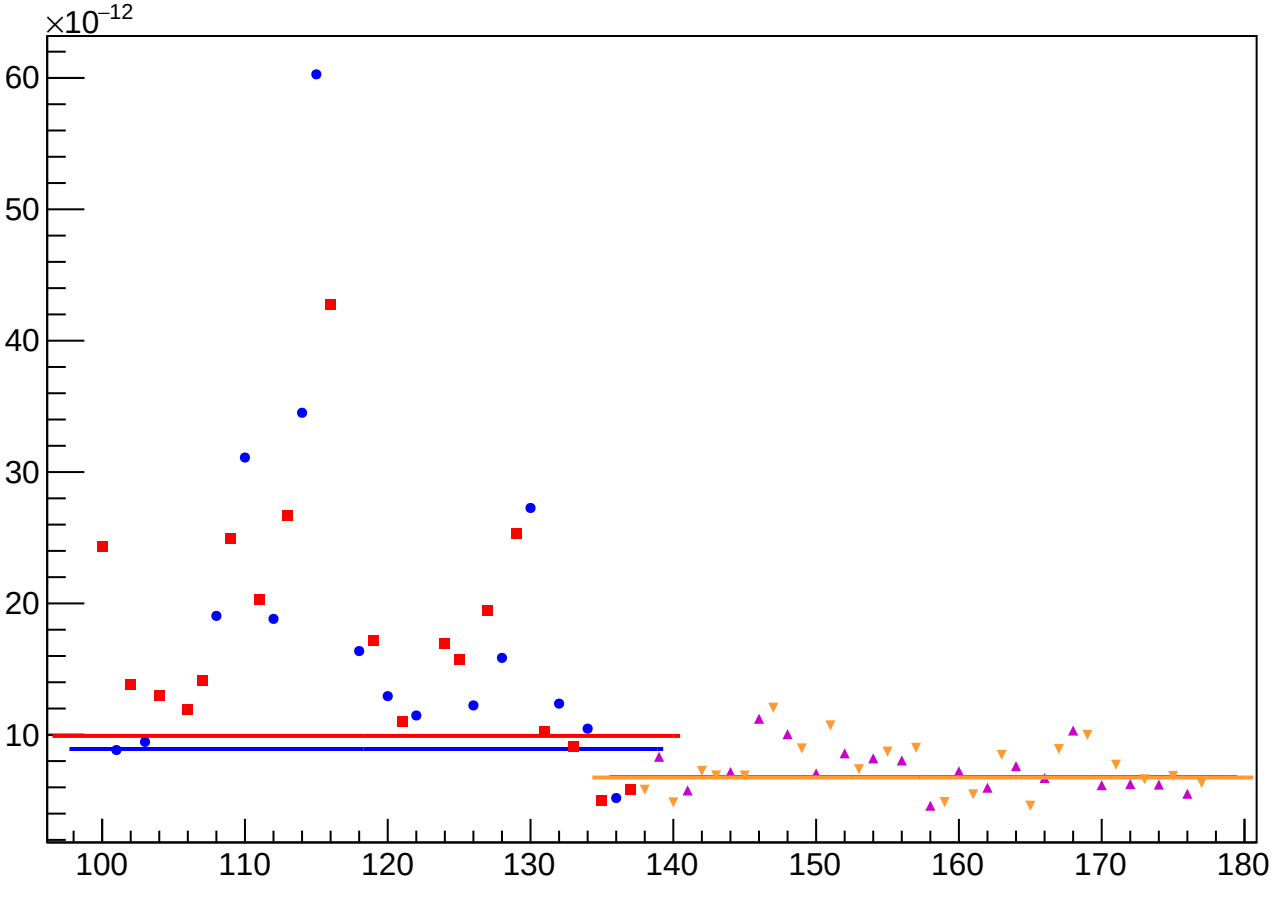
Right: 0.000+/-0.000 χ^2/NDF: 24.3/34

In: 0.000+/-0.000 χ^2/NDF:33.9/34

Out: -0.000+/-0.000 χ^2/NDF:35.2/39

All: -0.000+/-0.000 χ^2/NDF: 69.6/74

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:1520422.0/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2669812.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1043550.7/18

Left: 0.000+/-0.000 χ^2/NDF: 2564356.5/39

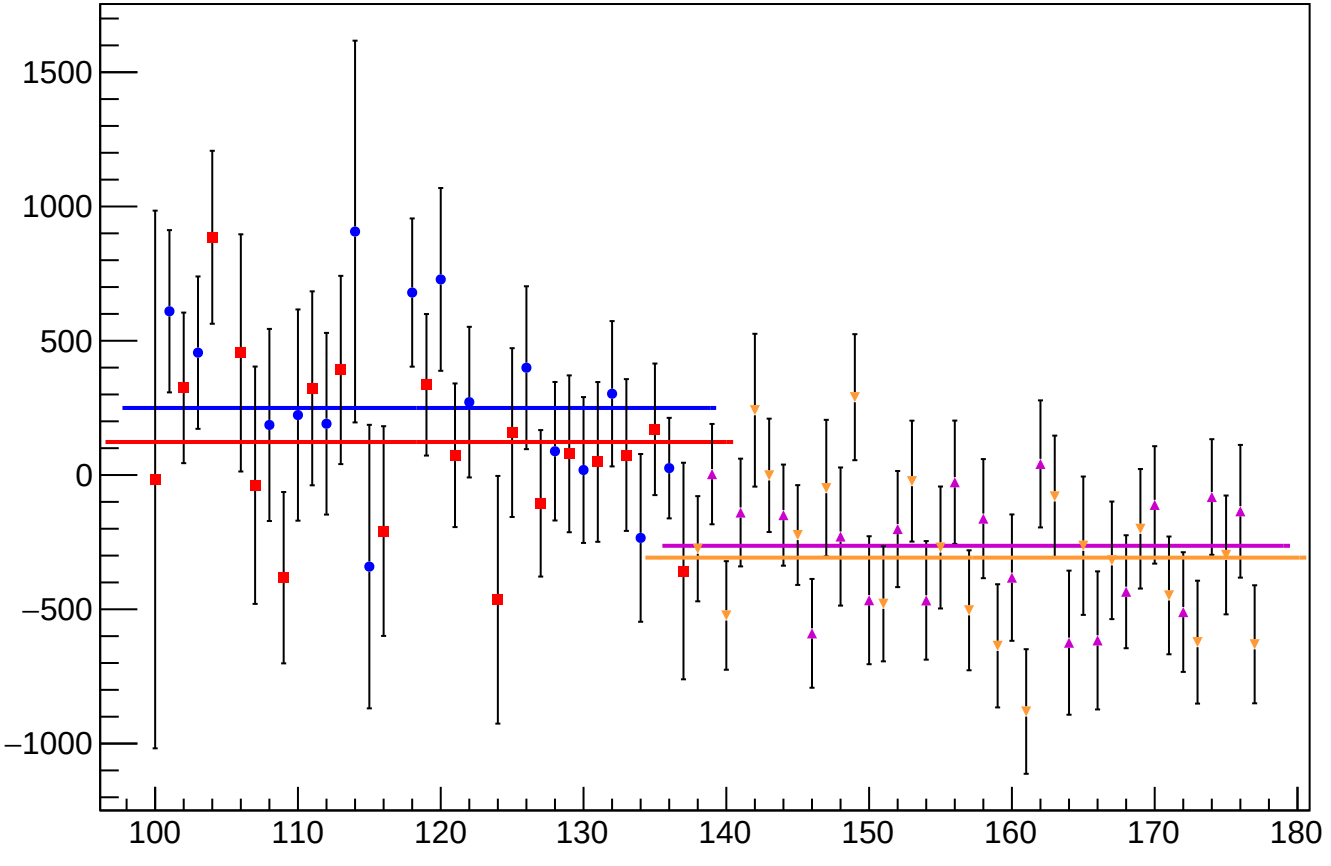
Right: 0.000+/-0.000 χ^2/NDF: 5116378.6/34

In: 0.000+/-0.000 χ^2/NDF:3801422.0/34

Out: 0.000+/-0.000 χ^2/NDF:4891450.0/39

All: 0.000+/-0.000 χ^2/NDF: 8693176.3/74

reg_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -307.614+/-48.616 χ^2/NDF:31.6/20

Right Out: 122.993+/-74.370 χ^2/NDF: 15.6/18

Left In: -263.535+/-50.863 χ^2/NDF:17.3/18

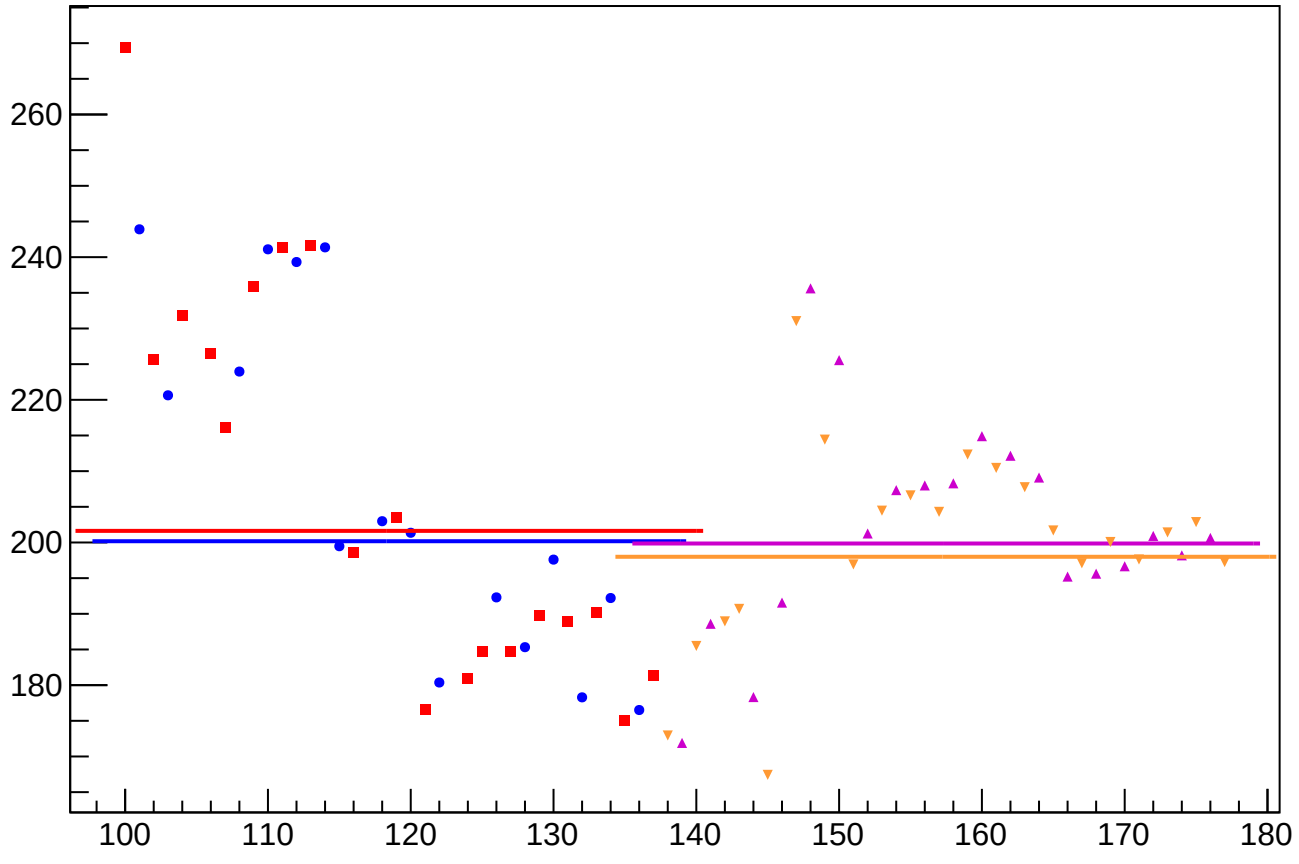
Left: -286.569+/-35.144 χ^2/NDF: 49.3/39

Right: 185.946+/-52.766 χ^2/NDF: 30.8/34

In: -101.468+/-42.074 χ^2/NDF:63.2/34

Out: -178.692+/-40.693 χ^2/NDF:70.7/39

All: -141.368+/-29.250 χ^2/NDF: 135.6/74



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 197.997+/-0.034 χ^2/NDF:167987.8/20

Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 199.857+/-0.036 χ^2/NDF:168350.6/18

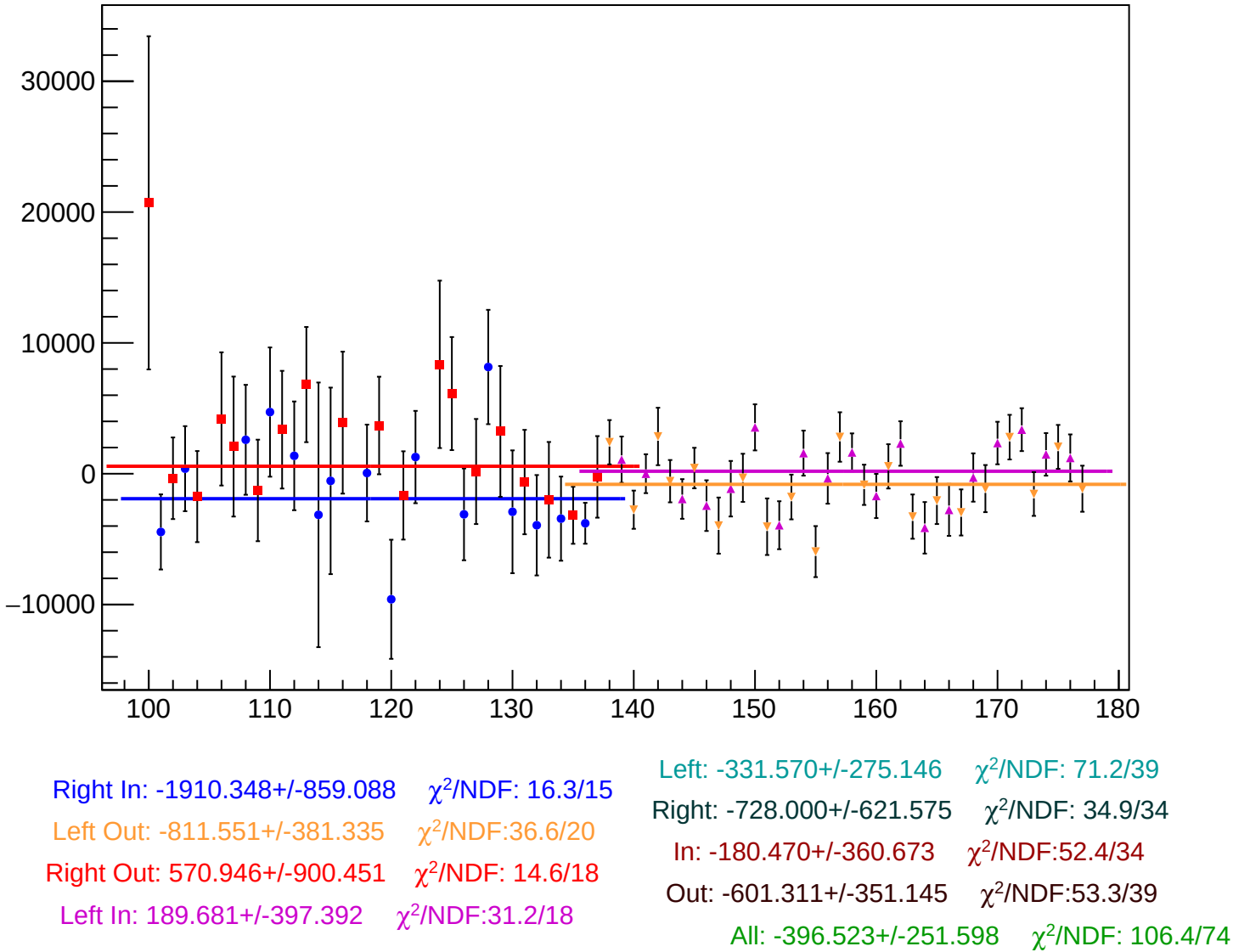
Left: 198.885+/-0.025 χ^2/NDF: 337736.3/39

Right: 200.907+/-0.037 χ^2/NDF: 378624.7/34

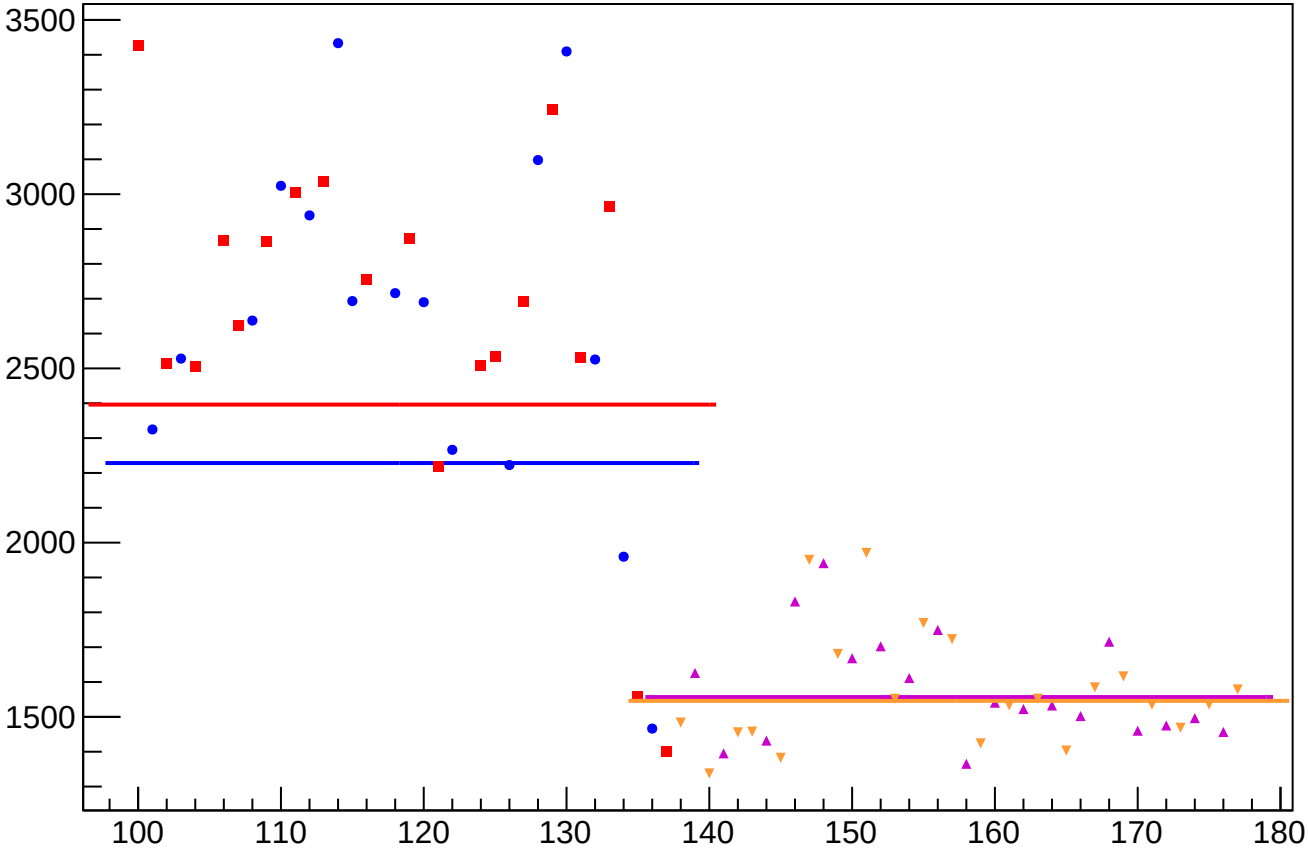
In: 199.958+/-0.030 χ^2/NDF:349377.0/34

Out: 199.084+/-0.029 χ^2/NDF:368572.6/39

All: 199.506+/-0.021 χ^2/NDF: 718395.8/74


asym_sam_26_dd_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
180
Right In: -1910.348+/-859.088 χ²/NDF: 16.3/15
Left Out: -811.551+/-381.335 χ²/NDF:36.6/20
Right Out: 570.946+/-900.451 χ²/NDF: 14.6/18
Left In: 189.681+/-397.392 χ²/NDF:31.2/18
Left: -331.570+/-275.146 χ²/NDF: 71.2/39
Right: -728.000+/-621.575 χ²/NDF: 34.9/34
In: -180.470+/-360.673 χ²/NDF:52.4/34
Out: -601.311+/-351.145 χ²/NDF:53.3/39
All: -396.523+/-251.598 χ²/NDF: 106.4/74

asym_sam_26_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1545.984+/-0.270 χ^2/NDF:312072.3/20

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

Left In: 1556.885+/-0.281 χ^2/NDF:261563.3/18

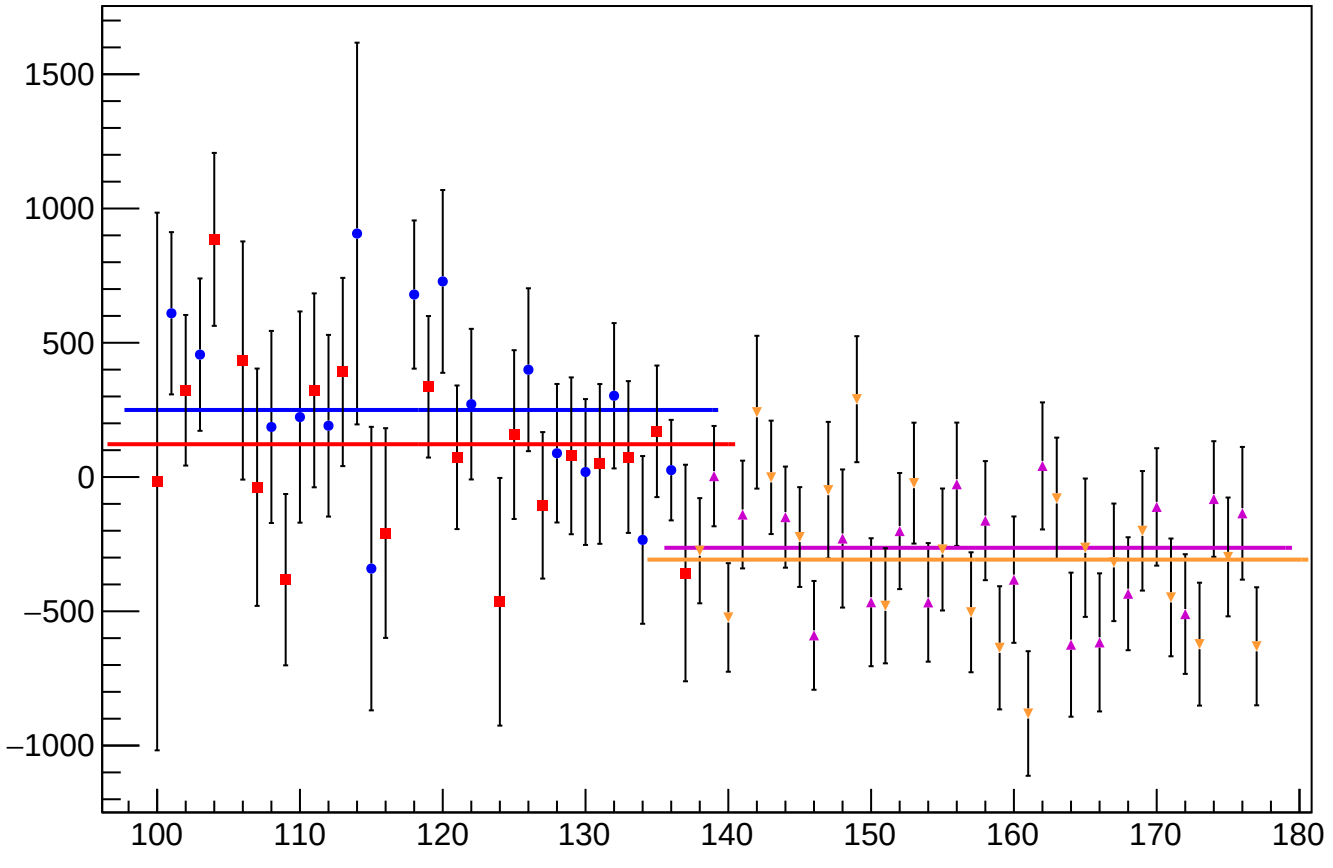
Left: 1551.210+/-0.195 χ^2/NDF: 574419.1/39

Right: 2308.317+/-0.440 χ^2/NDF: 1783390.1/34

In: 1675.252+/-0.255 χ^2/NDF:2215911.2/34

Out: 1675.261+/-0.248 χ^2/NDF:2622997.6/39

All: 1675.256+/-0.178 χ^2/NDF: 4838908.8/74



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -307.612+/-48.616 χ^2/NDF:31.6/20

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -263.540+/-50.863 χ^2/NDF:17.3/18

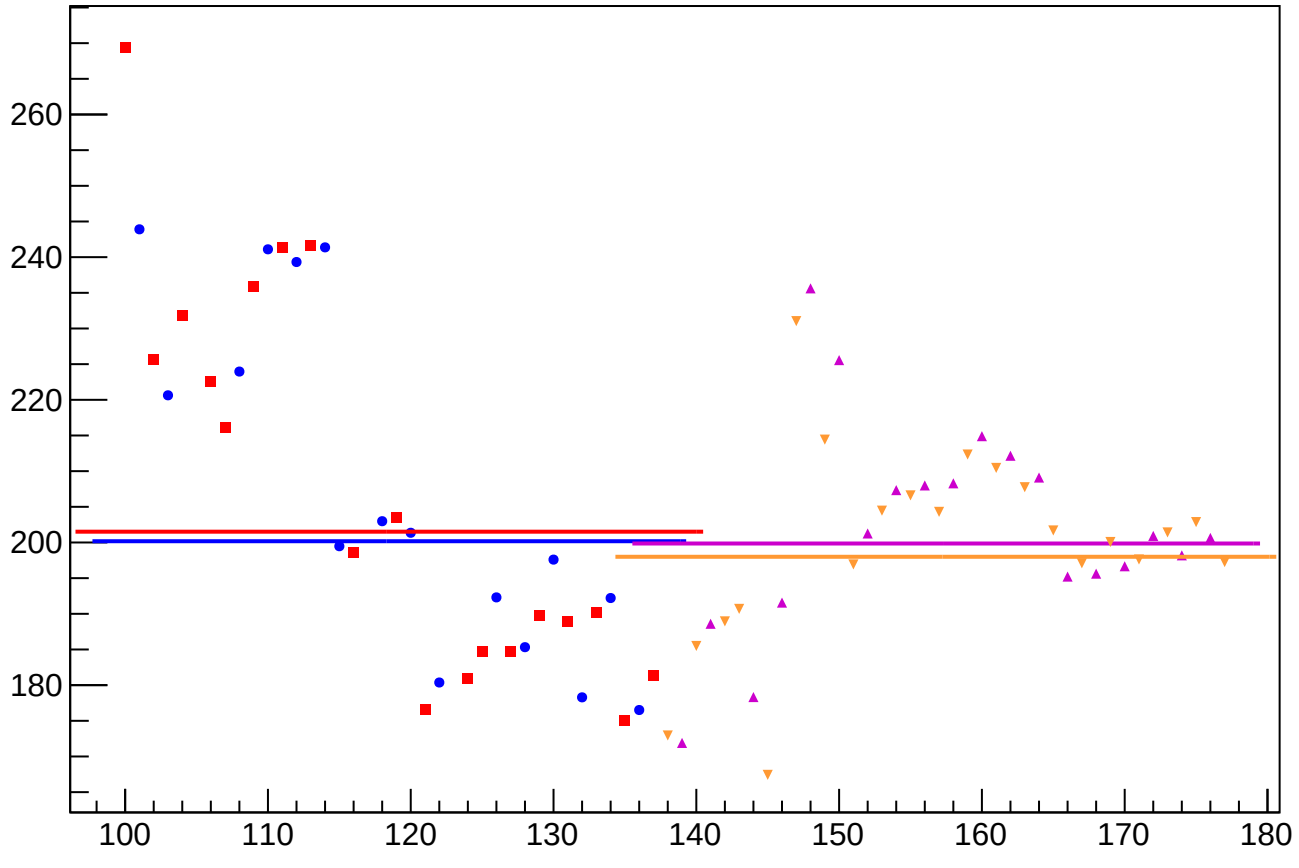
Left: -286.571+/-35.144 χ^2/NDF: 49.3/39

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -101.470+/-42.074 χ^2/NDF:63.2/34

Out: -178.950+/-40.695 χ^2/NDF:70.5/39

All: -141.501+/-29.251 χ^2/NDF: 135.5/74



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 197.997+/-0.034 χ^2/NDF:167987.8/20

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 199.857+/-0.036 χ^2/NDF:168350.6/18

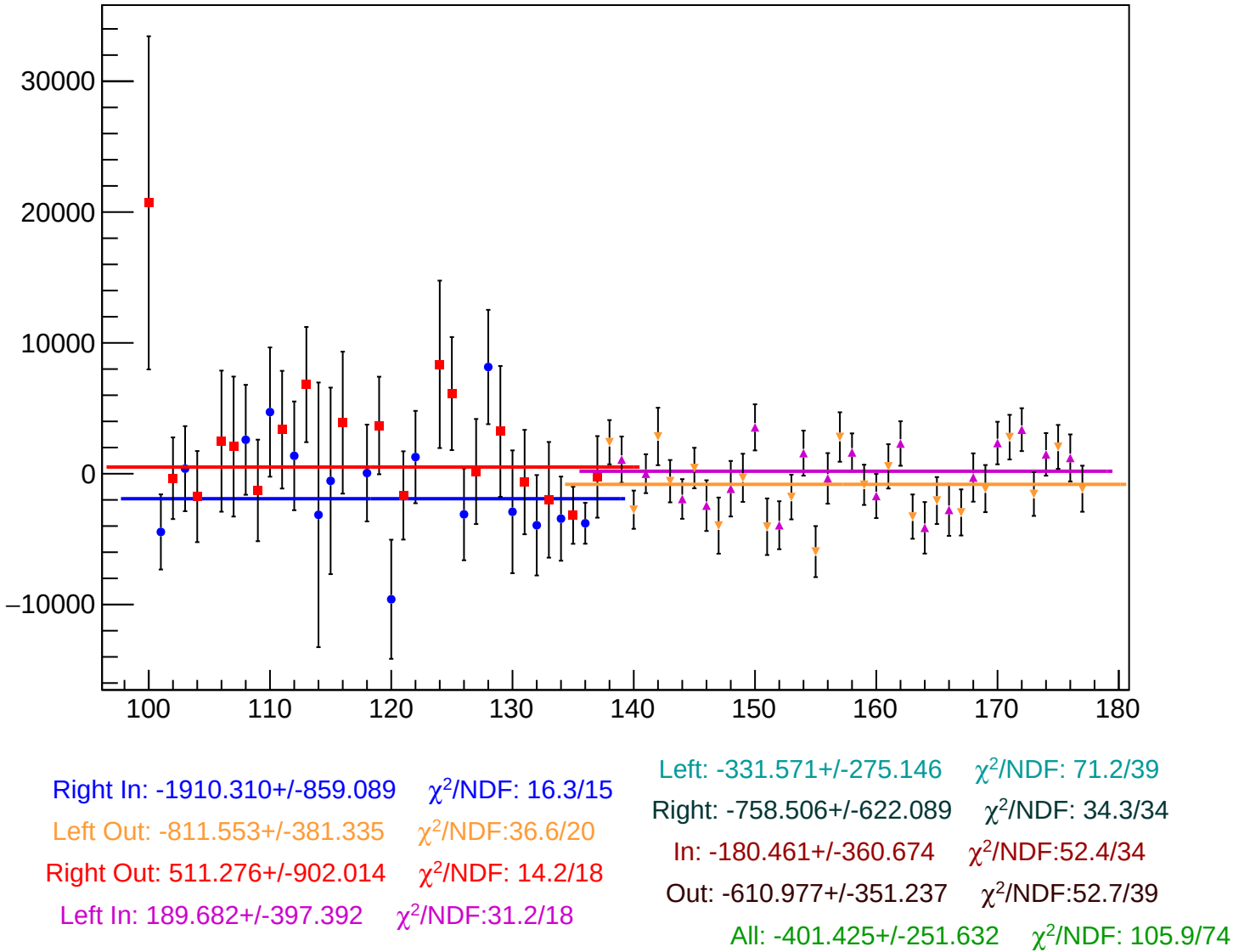
Left: 198.885+/-0.025 χ^2/NDF: 337736.3/39

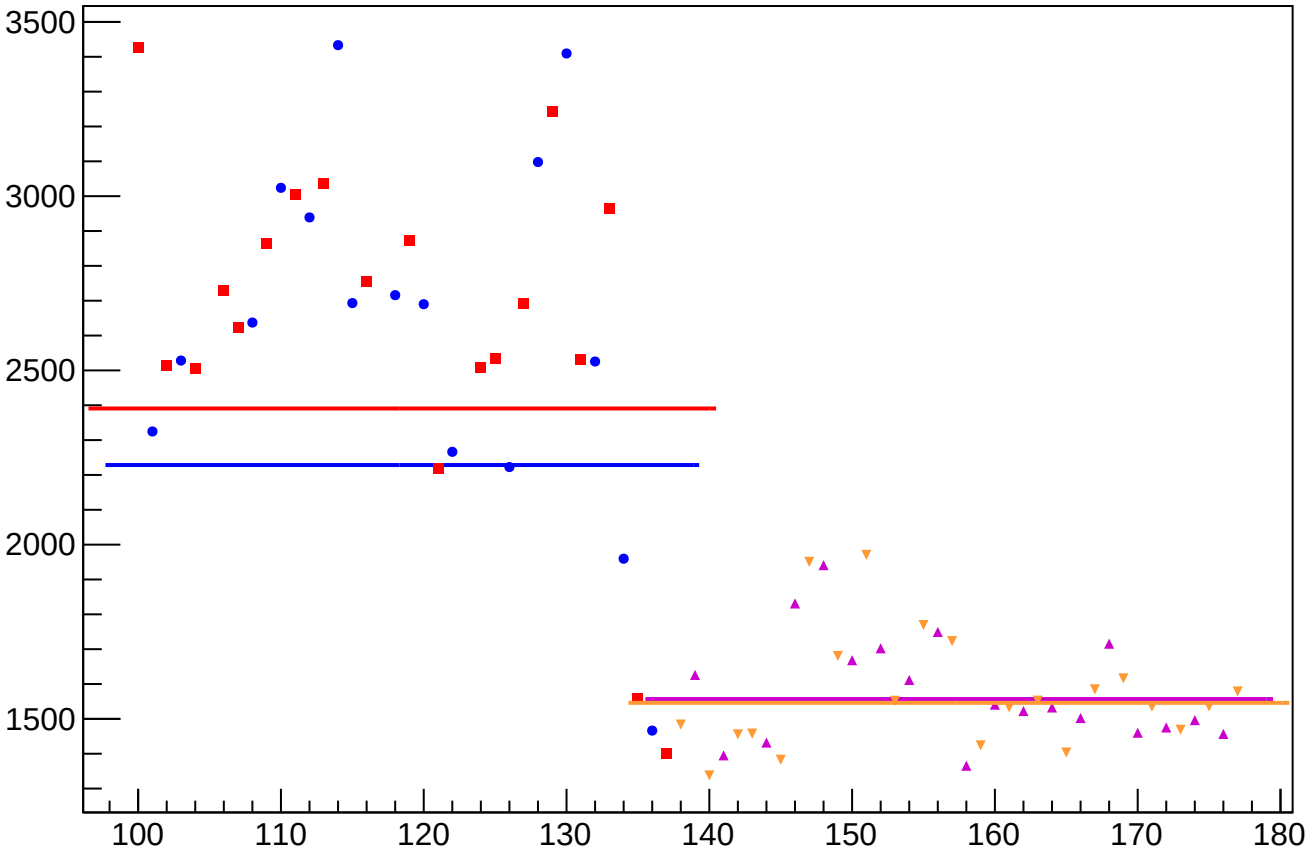
Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 199.958+/-0.030 χ^2/NDF:349377.3/34

Out: 199.050+/-0.029 χ^2/NDF:366553.2/39

All: 199.489+/-0.021 χ^2/NDF: 716412.1/74


asym_sam_26_dd_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
180
Right In: -1910.310+/-859.089 χ²/NDF: 16.3/15
Left Out: -811.553+/-381.335 χ²/NDF:36.6/20
Right Out: 511.276+/-902.014 χ²/NDF: 14.2/18
Left In: 189.682+/-397.392 χ²/NDF:31.2/18
Left: -331.571+/-275.146 χ²/NDF: 71.2/39
Right: -758.506+/-622.089 χ²/NDF: 34.3/34
In: -180.461+/-360.674 χ²/NDF:52.4/34
Out: -610.977+/-351.237 χ²/NDF:52.7/39
All: -401.425+/-251.632 χ²/NDF: 105.9/74



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1545.985+/-0.270 χ^2/NDF:312072.2/20

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1556.885+/-0.281 χ^2/NDF:261565.2/18

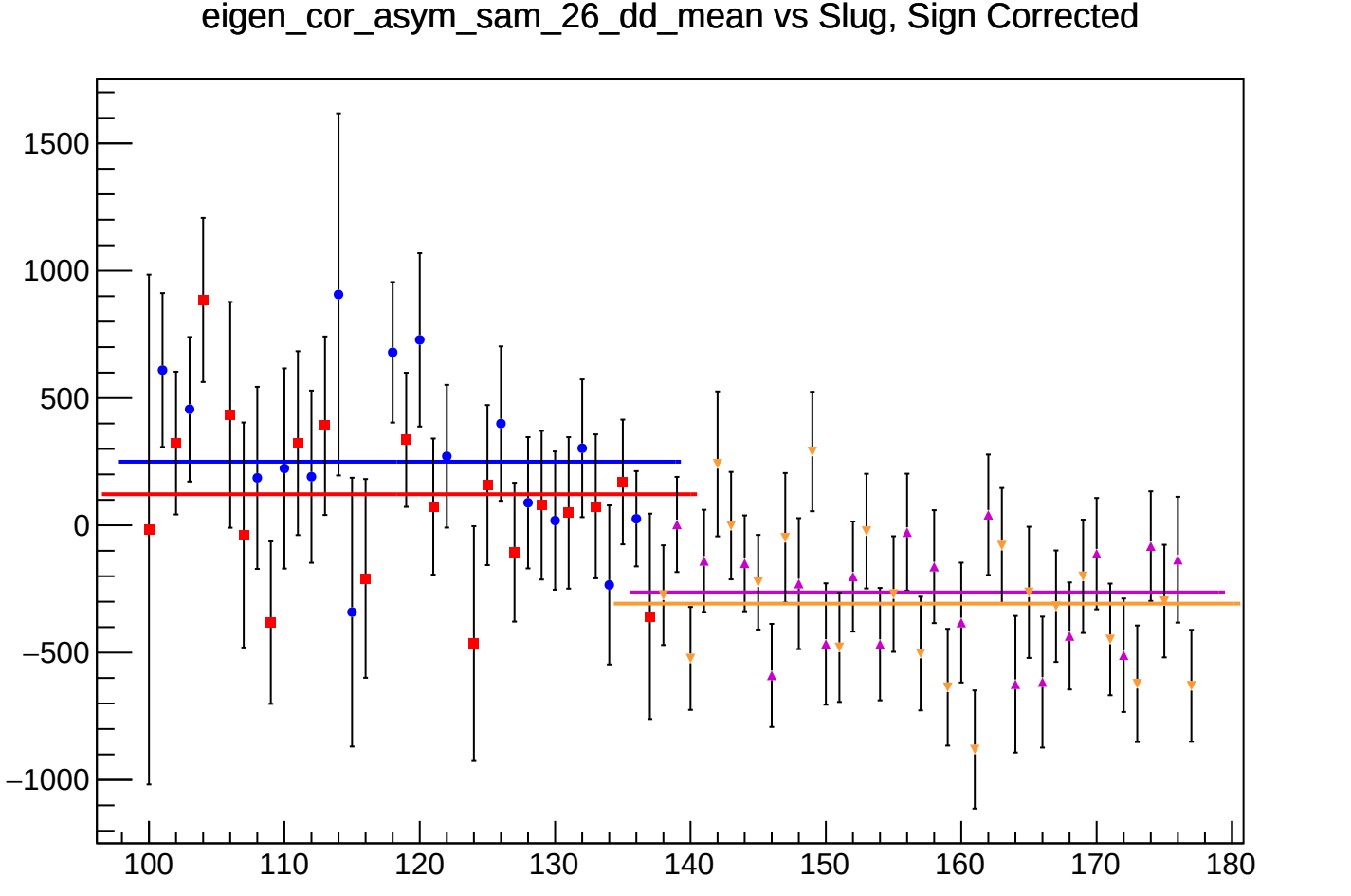
Left: 1551.210+/-0.195 χ^2/NDF: 574420.9/39

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1675.252+/-0.255 χ^2/NDF:2215925.1/34

Out: 1674.070+/-0.248 χ^2/NDF:2590214.0/39

All: 1674.646+/-0.178 χ^2/NDF: 4806150.2/74



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -307.612+/-48.616 χ^2/NDF:31.6/20

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -263.540+/-50.863 χ^2/NDF:17.3/18

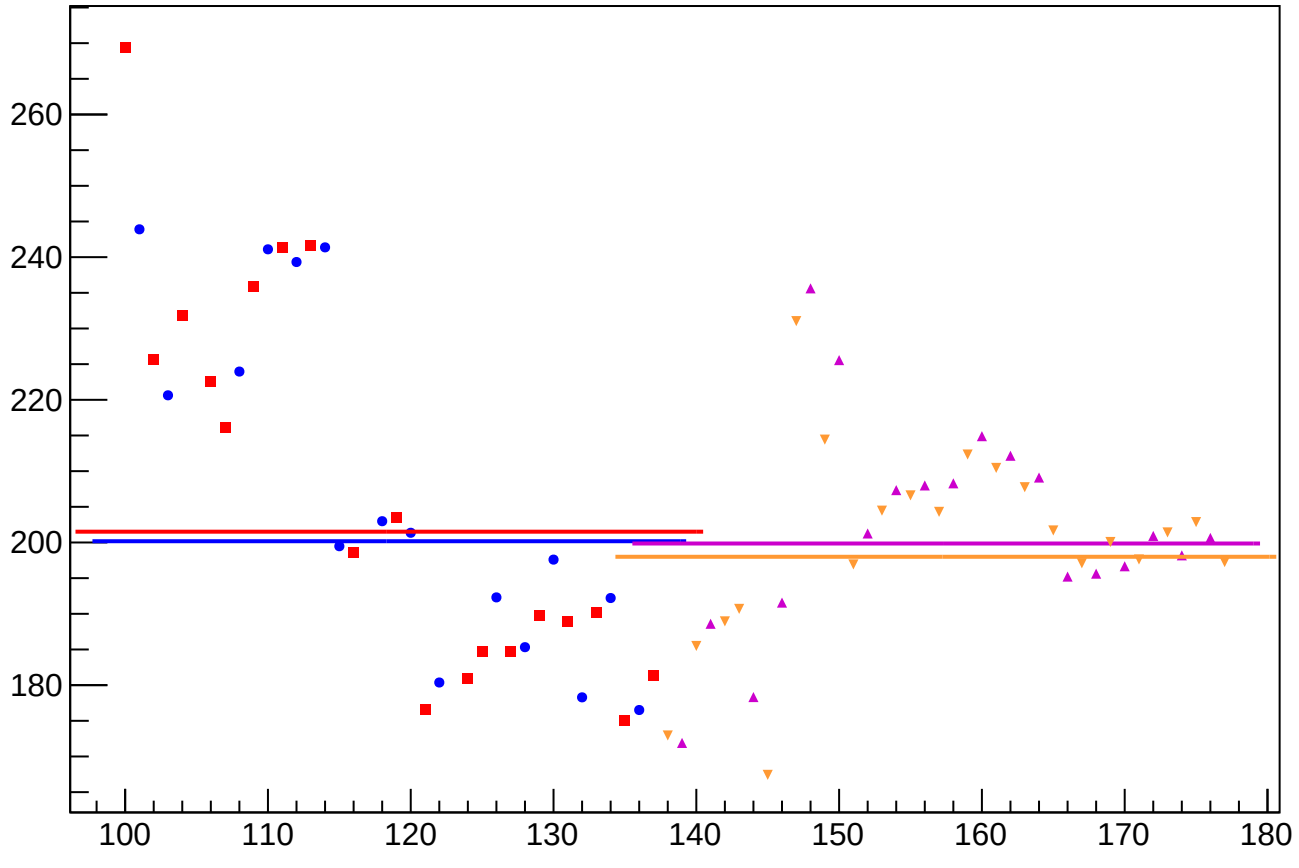
Left: -286.571+/-35.144 χ^2/NDF: 49.3/39

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -101.470+/-42.074 χ^2/NDF:63.2/34

Out: -178.950+/-40.695 χ^2/NDF:70.5/39

All: -141.501+/-29.251 χ^2/NDF: 135.5/74



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 197.997+/-0.034 χ^2/NDF:167987.8/20

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 199.857+/-0.036 χ^2/NDF:168350.6/18

Left: 198.885+/-0.025 χ^2/NDF: 337736.3/39

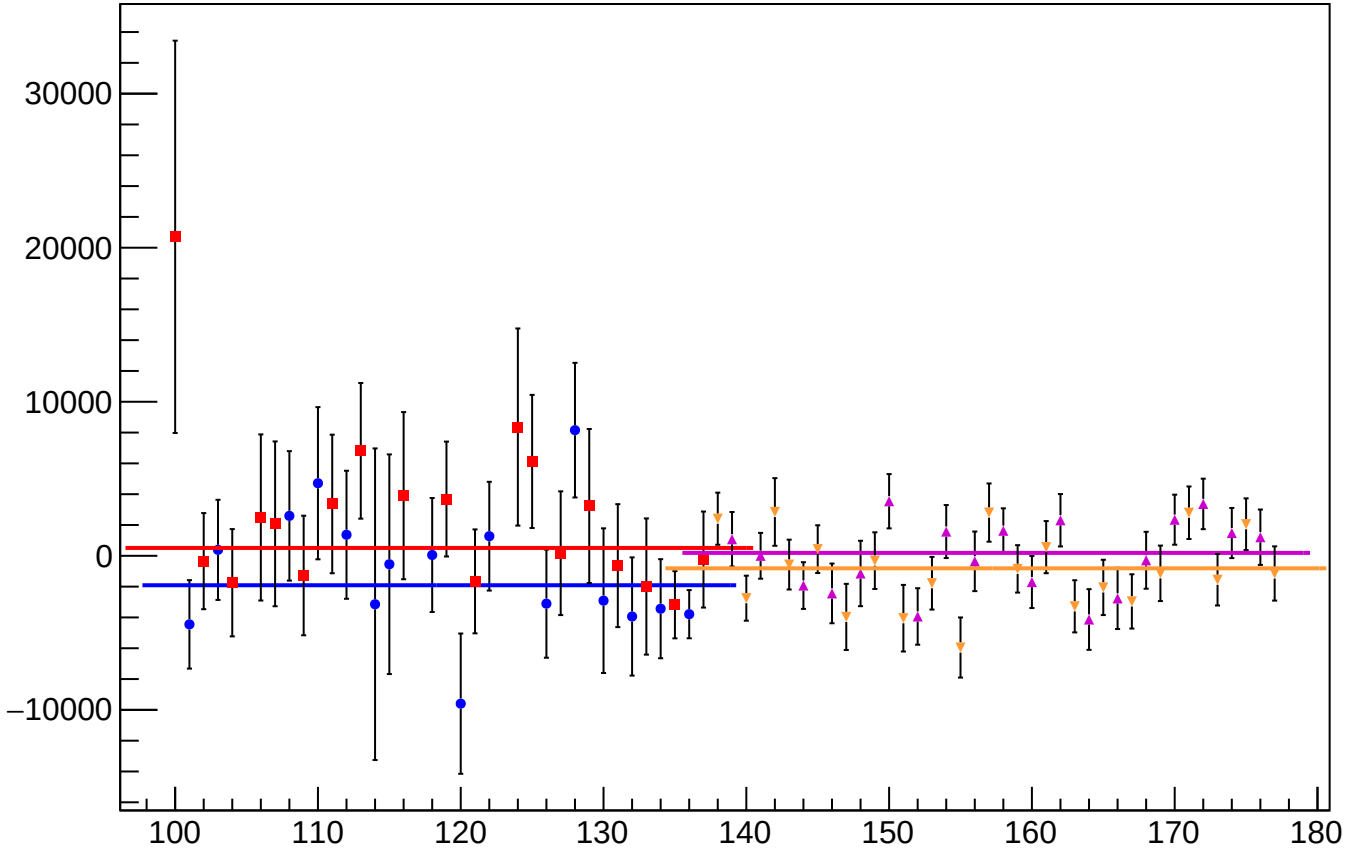
Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 199.958+/-0.030 χ^2/NDF:349377.3/34

Out: 199.050+/-0.029 χ^2/NDF:366553.2/39

All: 199.489+/-0.021 χ^2/NDF: 716412.1/74

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: -811.553+/-381.335 χ^2/NDF:36.6/20

Right Out: 511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: 189.682+/-397.392 χ^2/NDF:31.2/18

Left: -331.571+/-275.146 χ^2/NDF: 71.2/39

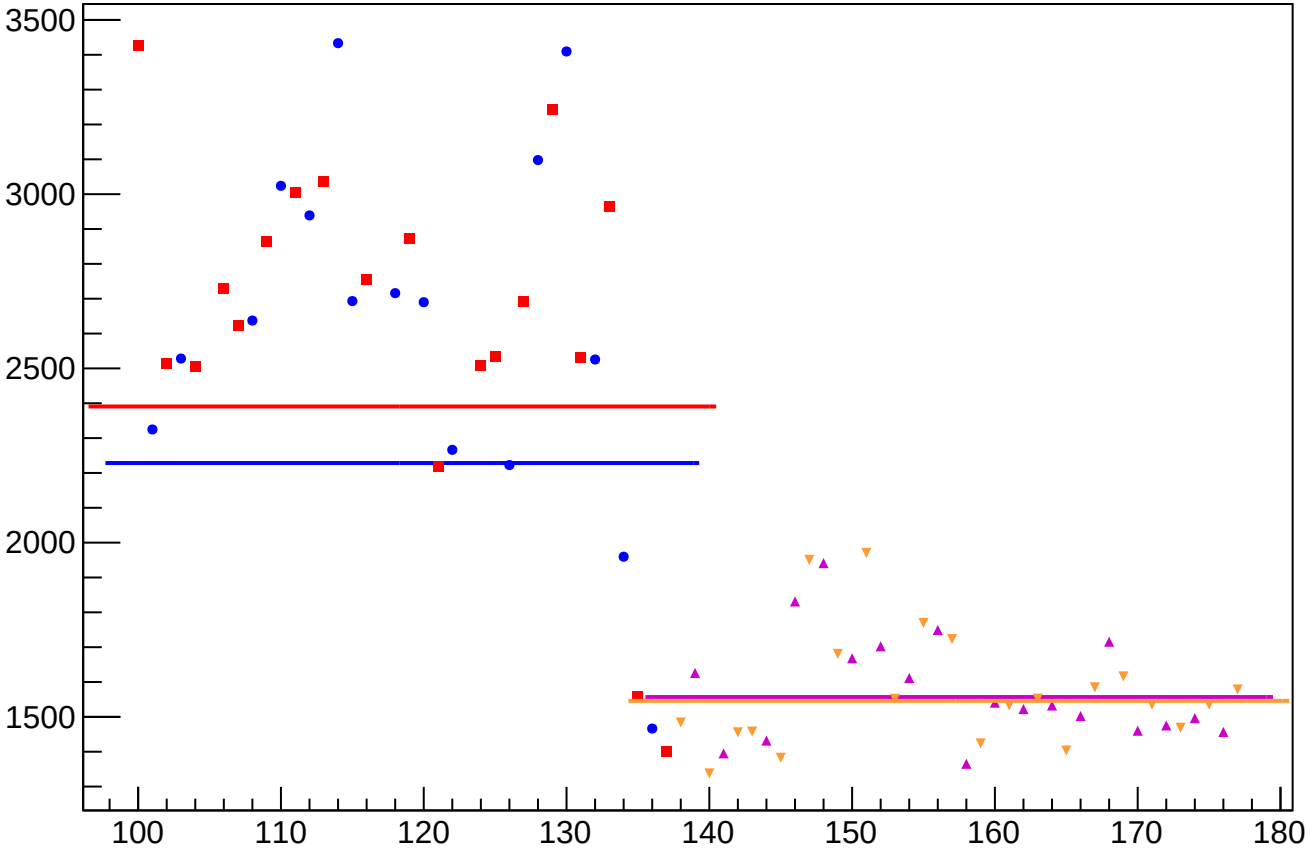
Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -180.461+/-360.674 χ^2/NDF:52.4/34

Out: -610.977+/-351.237 χ^2/NDF:52.7/39

All: -401.425+/-251.632 χ^2/NDF: 105.9/74

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: 1545.985+/-0.270 χ^2/NDF:312072.2/20

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1556.885+/-0.281 χ^2/NDF:261565.2/18

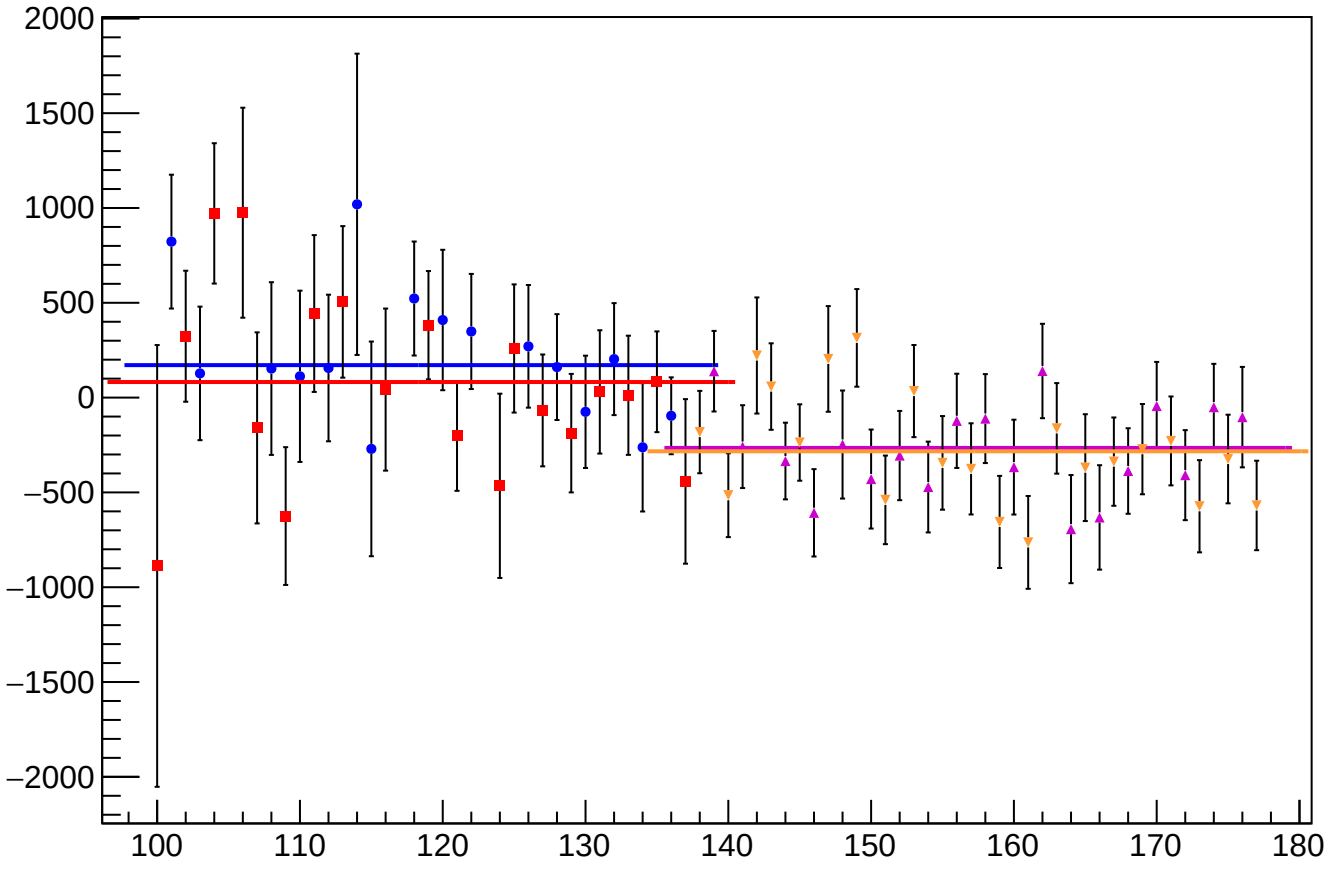
Left: 1551.210+/-0.195 χ^2/NDF: 574420.9/39

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1675.252+/-0.255 χ^2/NDF:2215925.1/34

Out: 1674.070+/-0.248 χ^2/NDF:2590214.0/39

All: 1674.646+/-0.178 χ^2/NDF: 4806150.2/74



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -283.189+/-52.387 χ^2/NDF:27.5/20

Right Out: 82.152+/-82.545 χ^2/NDF: 21.6/18

Left In: -265.440+/-55.035 χ^2/NDF:17.6/18

Left: -274.752+/-37.945 χ^2/NDF: 45.1/39

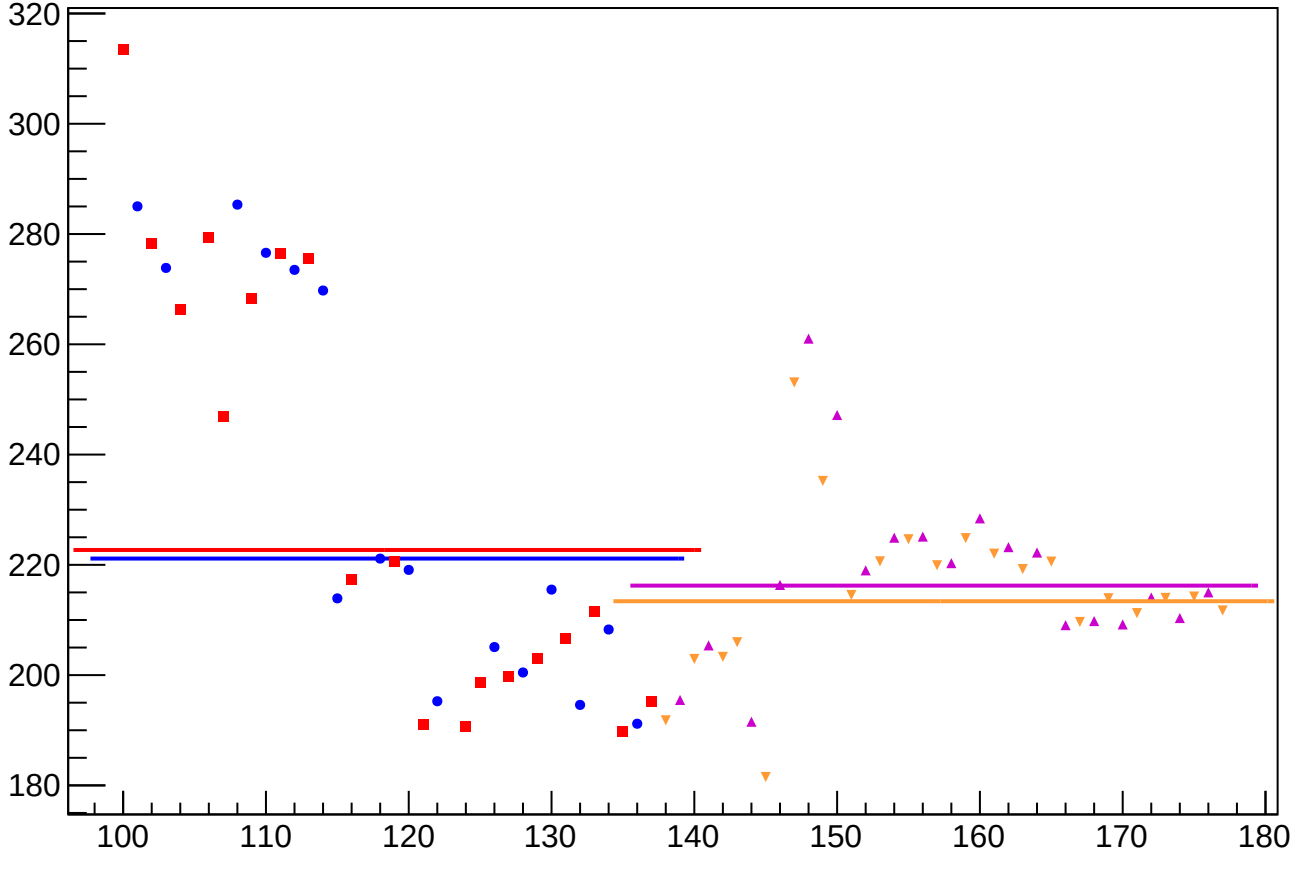
Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -132.332+/-45.888 χ^2/NDF:48.2/34

Out: -178.290+/-44.231 χ^2/NDF:63.1/39

All: -156.155+/-31.846 χ^2/NDF: 111.8/74

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 213.403+/-0.037 χ^2/NDF:151259.6/20

Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 216.233+/-0.039 χ^2/NDF:150970.1/18

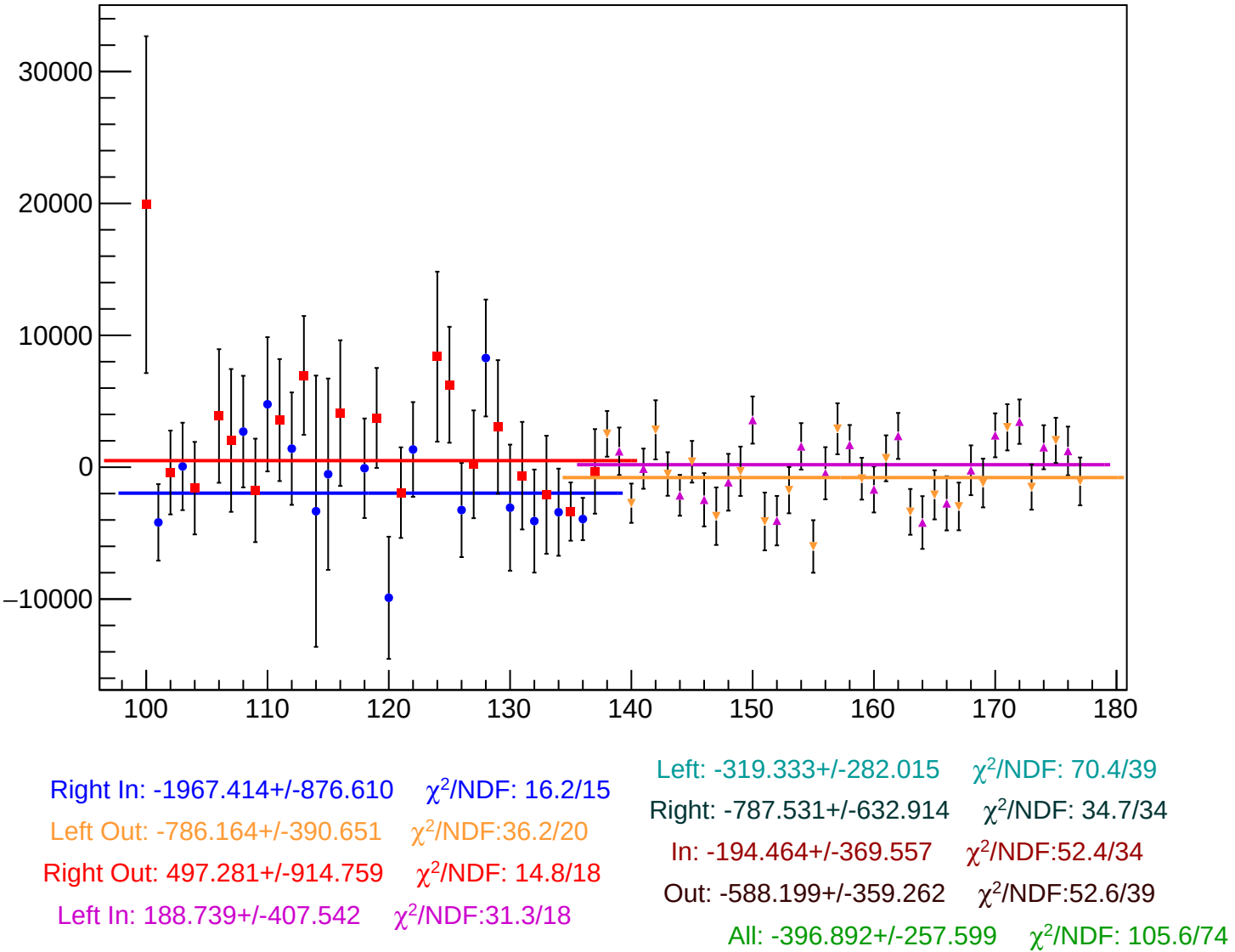
Left: 214.748+/-0.027 χ^2/NDF: 305003.1/39

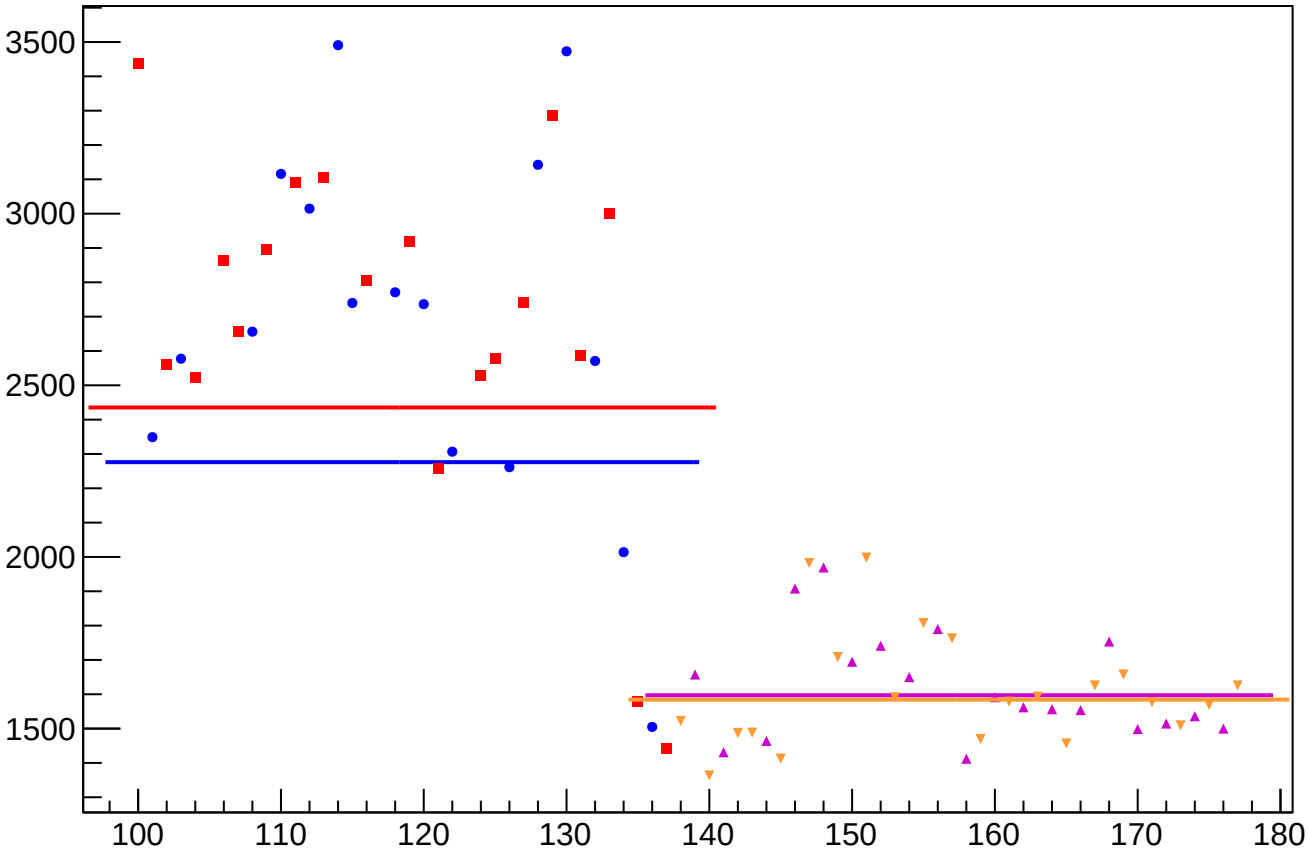
Right: 221.924+/-0.041 χ^2/NDF: 646088.3/34

In: 217.728+/-0.032 χ^2/NDF:474517.5/34

Out: 216.072+/-0.031 χ^2/NDF:496367.4/39

All: 216.869+/-0.023 χ^2/NDF: 972235.7/74


asym_sam_26_dd_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
180
Right In: -1967.414+/-876.610 χ²/NDF: 16.2/15
Left Out: -786.164+/-390.651 χ²/NDF:36.2/20
Right Out: 497.281+/-914.759 χ²/NDF: 14.8/18
Left In: 188.739+/-407.542 χ²/NDF:31.3/18
Left: -319.333+/-282.015 χ²/NDF: 70.4/39
Right: -787.531+/-632.914 χ²/NDF: 34.7/34
In: -194.464+/-369.557 χ²/NDF:52.4/34
Out: -588.199+/-359.262 χ²/NDF:52.6/39
All: -396.892+/-257.599 χ²/NDF: 105.6/74



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1584.437+/-0.276 χ^2/NDF:298602.8/20

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

Left In: 1597.092+/-0.288 χ^2/NDF:252941.8/18

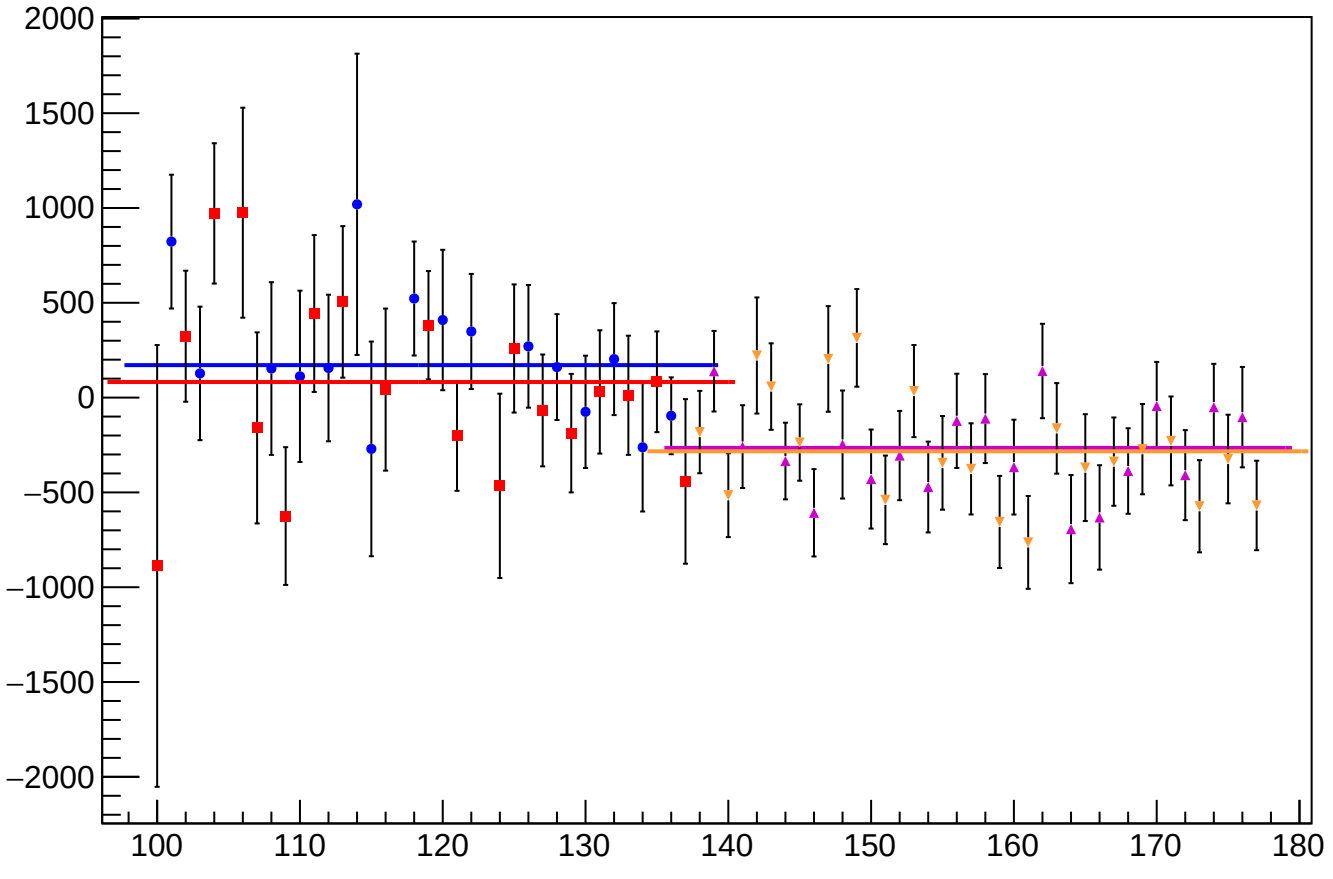
Left: 1590.497+/-0.199 χ^2/NDF: 552549.5/39

Right: 2352.355+/-0.448 χ^2/NDF: 1750083.9/34

In: 1717.775+/-0.261 χ^2/NDF:2166722.3/34

Out: 1715.687+/-0.254 χ^2/NDF:2553764.1/39

All: 1716.701+/-0.182 χ^2/NDF: 4720519.3/74



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -283.191+/-52.387 χ^2/NDF:27.5/20

Right Out: 82.150+/-82.545 χ^2/NDF: 21.6/18

Left In: -265.441+/-55.035 χ^2/NDF:17.6/18

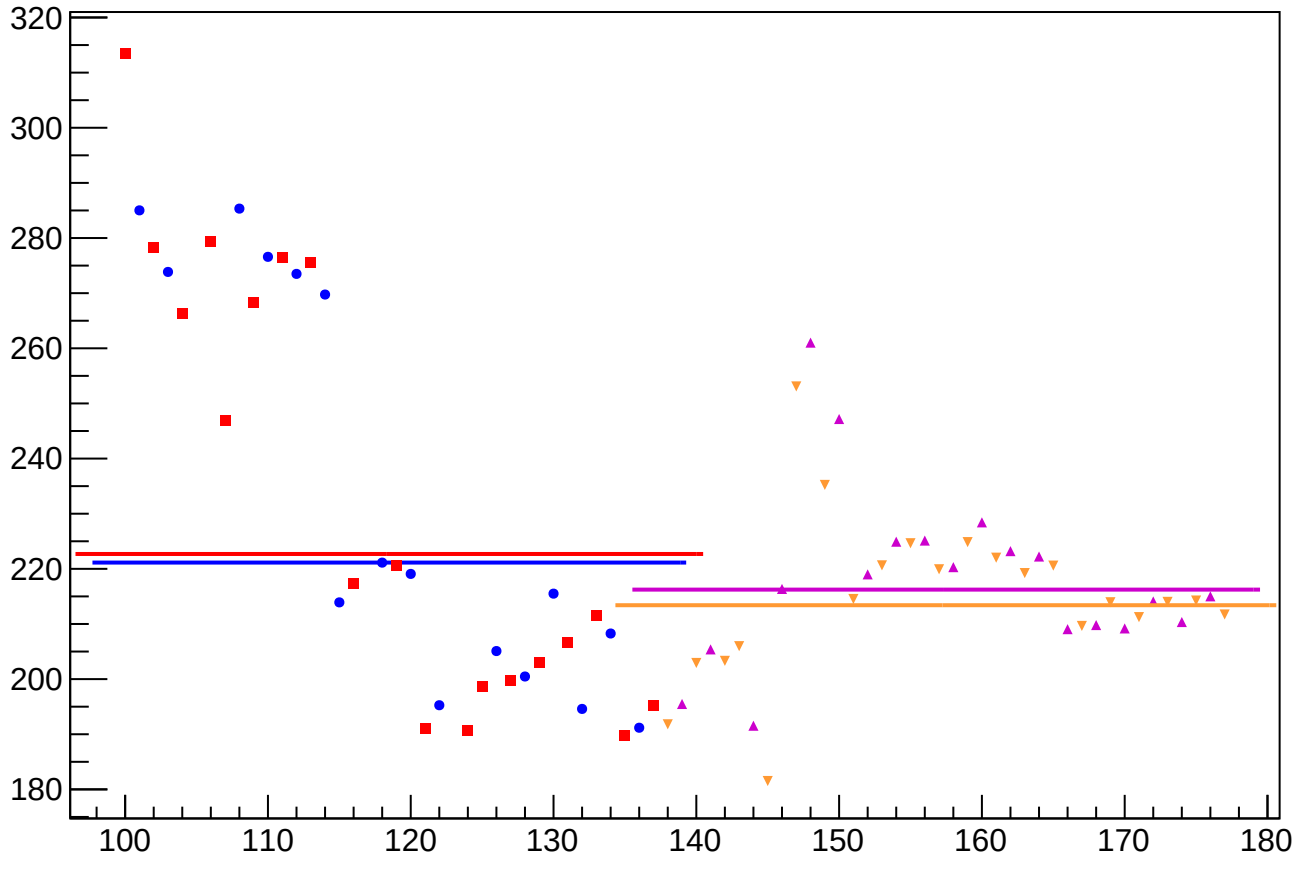
Left: -274.754+/-37.945 χ^2/NDF: 45.1/39

Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -132.332+/-45.887 χ^2/NDF:48.2/34

Out: -178.292+/-44.231 χ^2/NDF:63.1/39

All: -156.156+/-31.846 χ^2/NDF: 111.8/74



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 213.403+/-0.037 χ^2/NDF:151263.7/20

Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 216.232+/-0.039 χ^2/NDF:150972.6/18

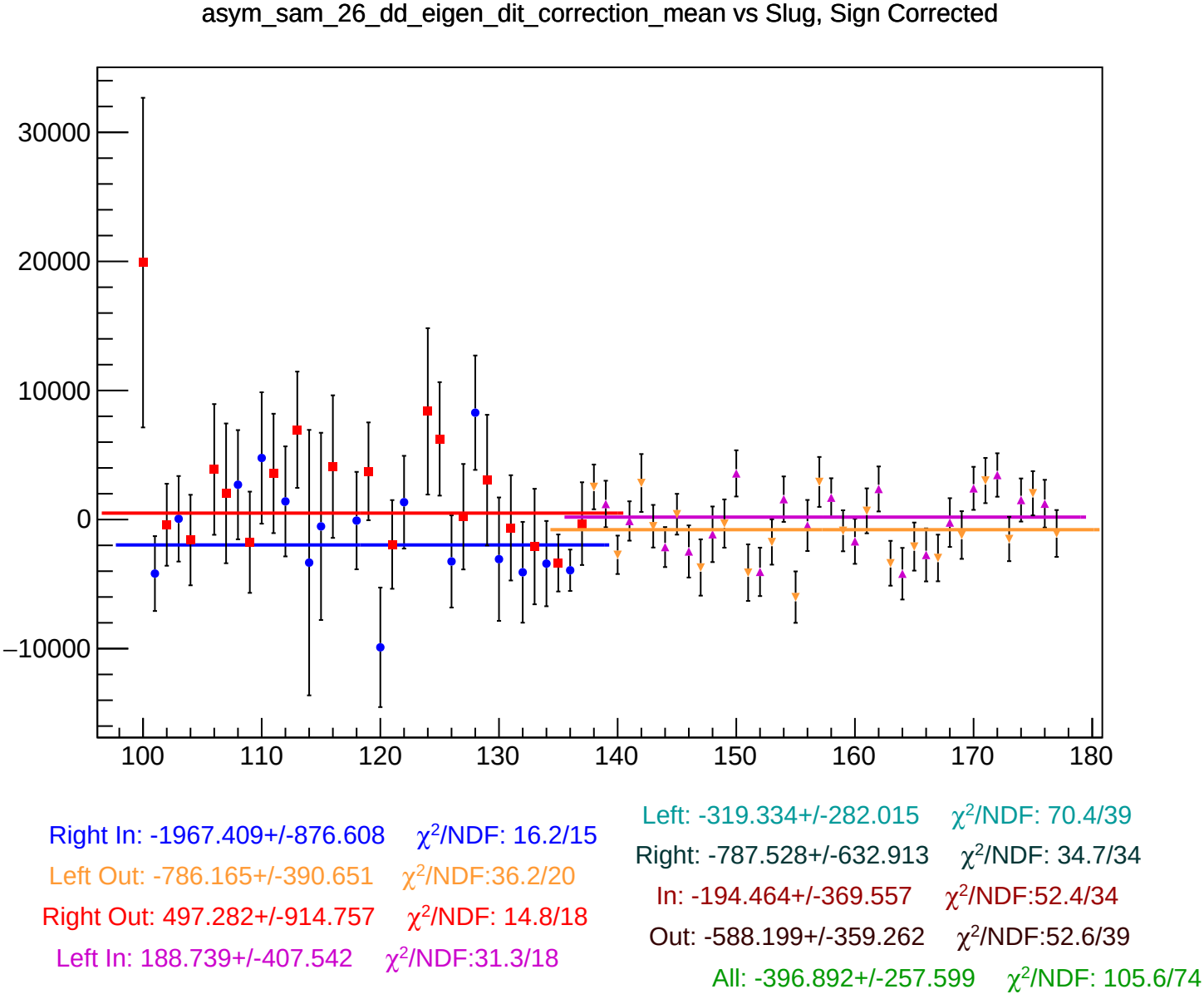
Left: 214.748+/-0.027 χ^2/NDF: 305009.4/39

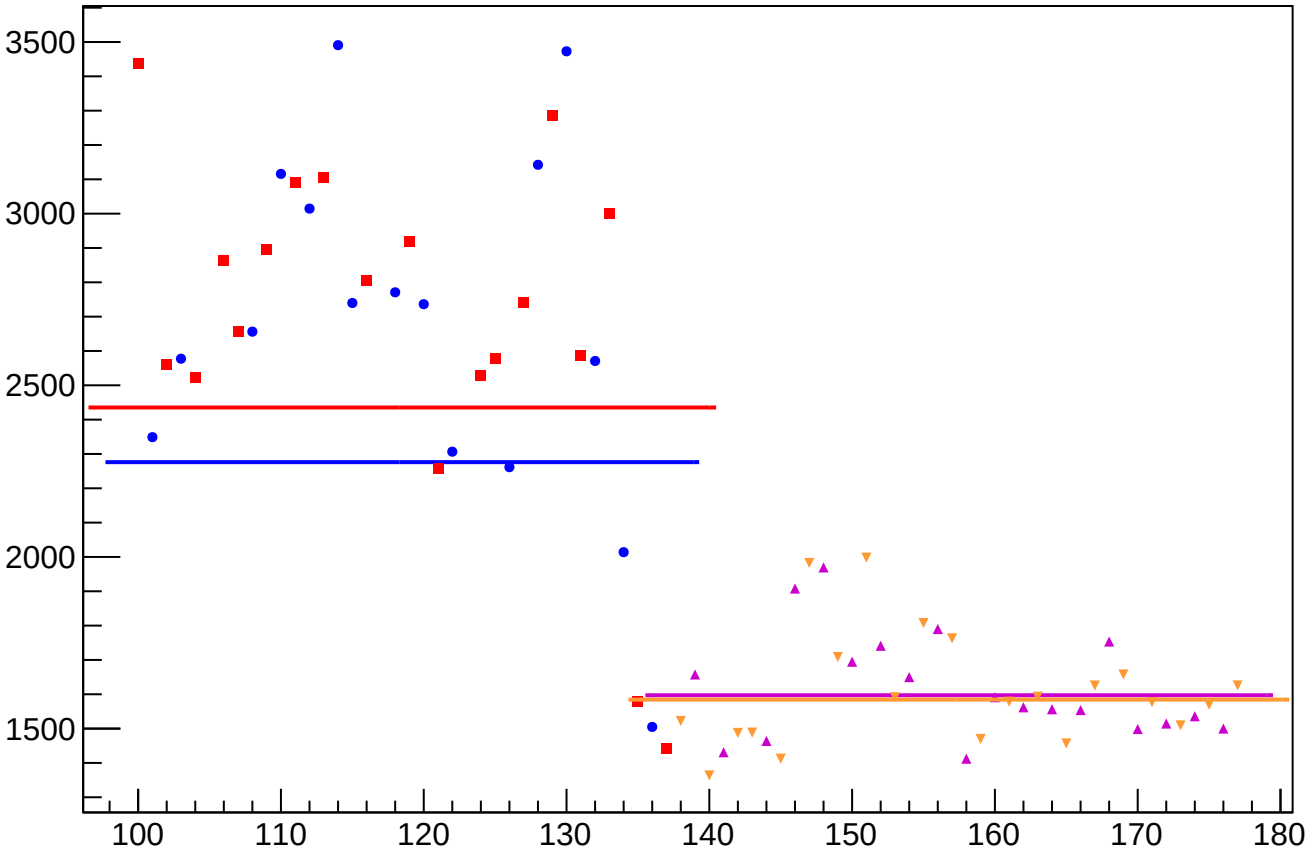
Right: 221.923+/-0.041 χ^2/NDF: 646076.2/34

In: 217.728+/-0.032 χ^2/NDF:474512.9/34

Out: 216.071+/-0.031 χ^2/NDF:496361.4/39

All: 216.869+/-0.023 χ^2/NDF: 972224.8/74


asym_sam_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
180
Right In: -1967.409+/-876.608 χ²/NDF: 16.2/15
Left Out: -786.165+/-390.651 χ²/NDF:36.2/20
Right Out: 497.282+/-914.757 χ²/NDF: 14.8/18
Left In: 188.739+/-407.542 χ²/NDF:31.3/18
Left: -319.334+/-282.015 χ²/NDF: 70.4/39
Right: -787.528+/-632.913 χ²/NDF: 34.7/34
In: -194.464+/-369.557 χ²/NDF:52.4/34
Out: -588.199+/-359.262 χ²/NDF:52.6/39
All: -396.892+/-257.599 χ²/NDF: 105.6/74



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1584.437+/-0.276 χ^2/NDF:298605.4/20

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

Left In: 1597.092+/-0.288 χ^2/NDF:252942.9/18

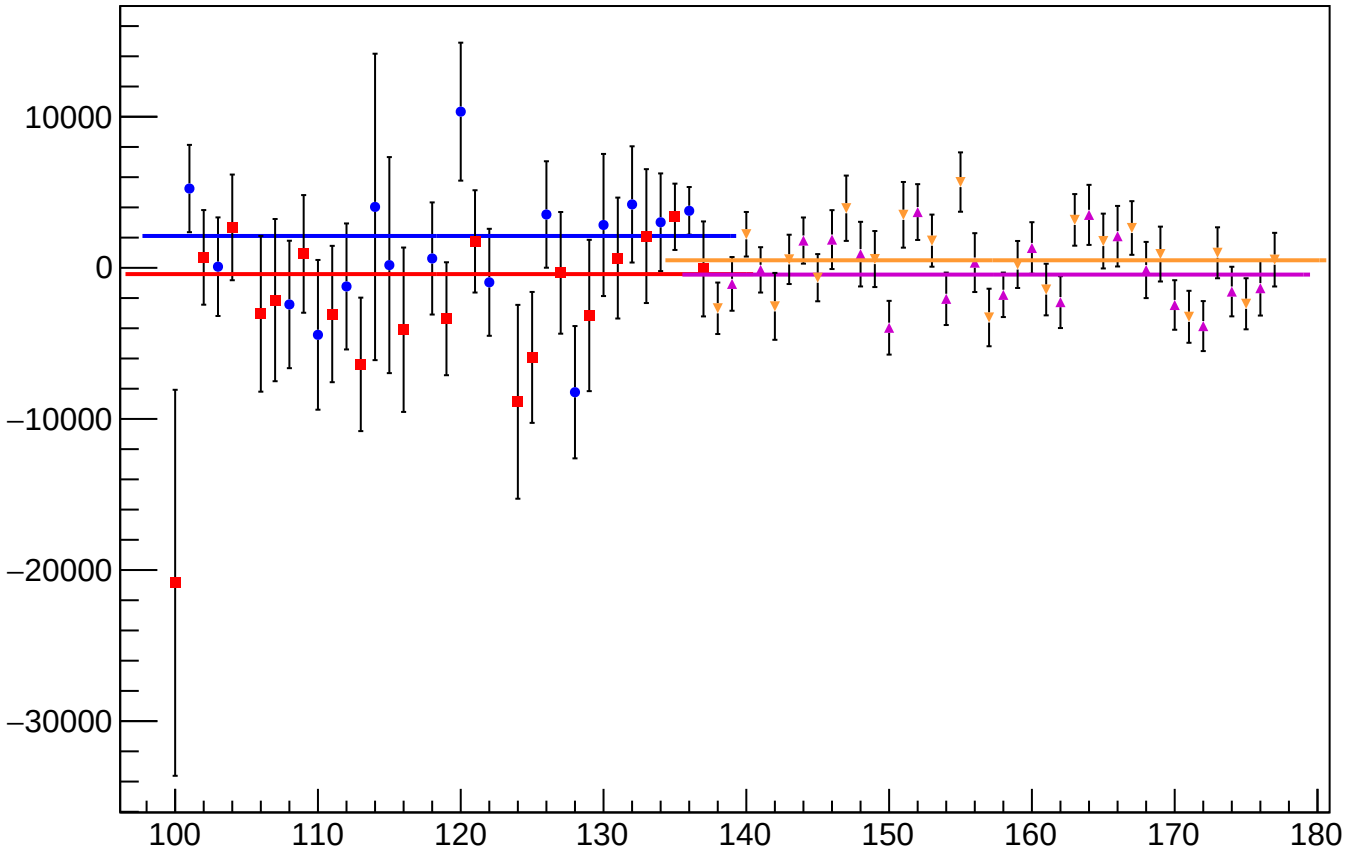
Left: 1590.497+/-0.199 χ^2/NDF: 552553.3/39

Right: 2352.352+/-0.448 χ^2/NDF: 1750068.0/34

In: 1717.775+/-0.261 χ^2/NDF:2166708.2/34

Out: 1715.687+/-0.254 χ^2/NDF:2553751.5/39

All: 1716.701+/-0.182 χ^2/NDF: 4720492.5/74



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 500.065+/-384.565 χ^2/NDF:36.7/20

Right Out: -414.095+/-904.414 χ^2/NDF: 14.7/18

Left In: -446.772+/-400.802 χ^2/NDF:29.2/18

Left: 46.214+/-277.491 χ^2/NDF: 68.8/39

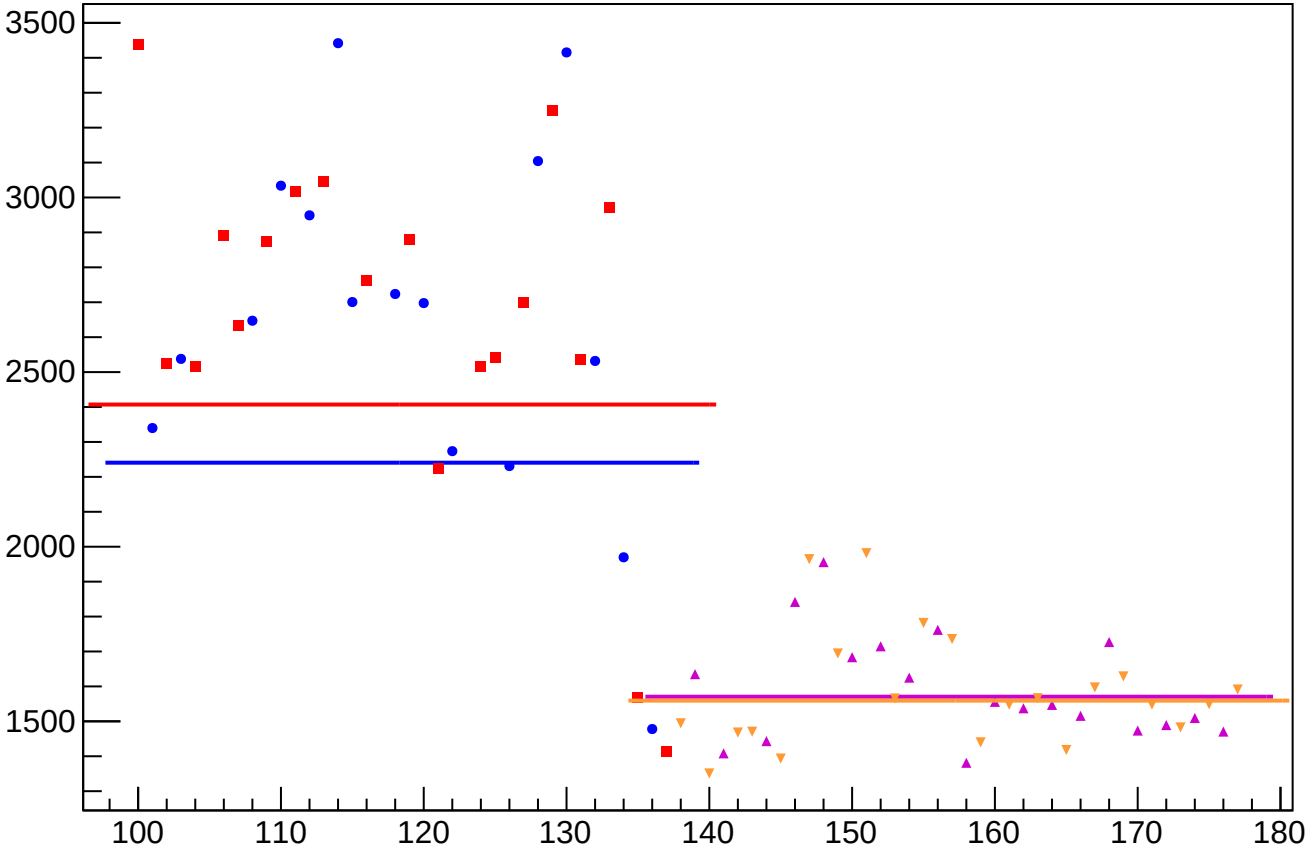
Right: 906.398+/-624.471 χ^2/NDF: 35.4/34

In: 6.529+/-363.533 χ^2/NDF:53.0/34

Out: 360.090+/-353.900 χ^2/NDF:52.2/39

All: 188.056+/-253.582 χ^2/NDF: 105.7/74

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1559.317+/-0.272 χ^2/NDF:306696.4/20

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

Left In: 1570.482+/-0.283 χ^2/NDF:255698.8/18

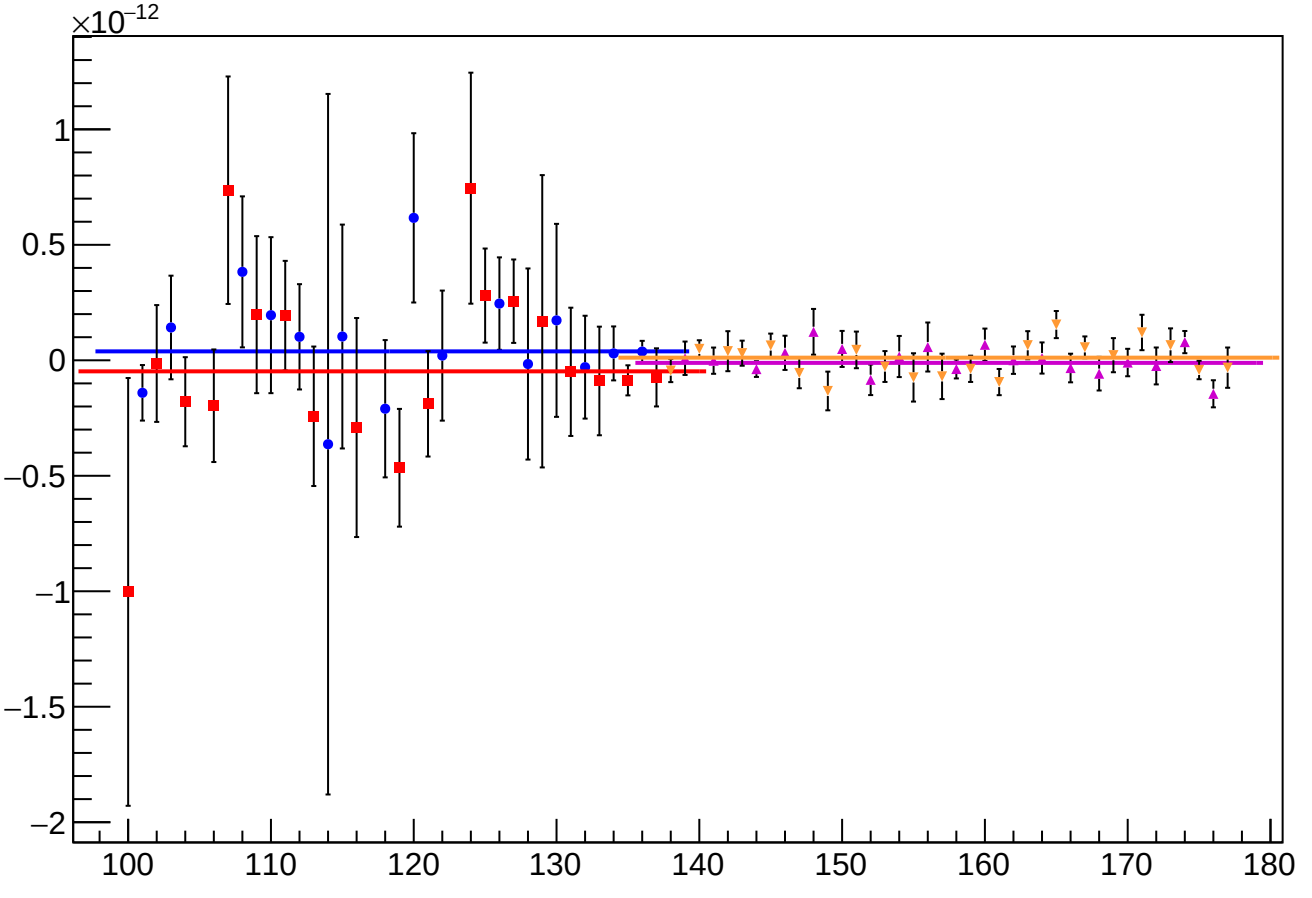
Left: 1564.669+/-0.196 χ^2/NDF: 563203.3/39

Right: 2320.004+/-0.442 χ^2/NDF: 1758033.9/34

In: 1689.316+/-0.257 χ^2/NDF:2180758.7/34

Out: 1689.132+/-0.250 χ^2/NDF:2584046.7/39

All: 1689.222+/-0.179 χ^2/NDF: 4764805.7/74



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.8/20

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:16.3/18

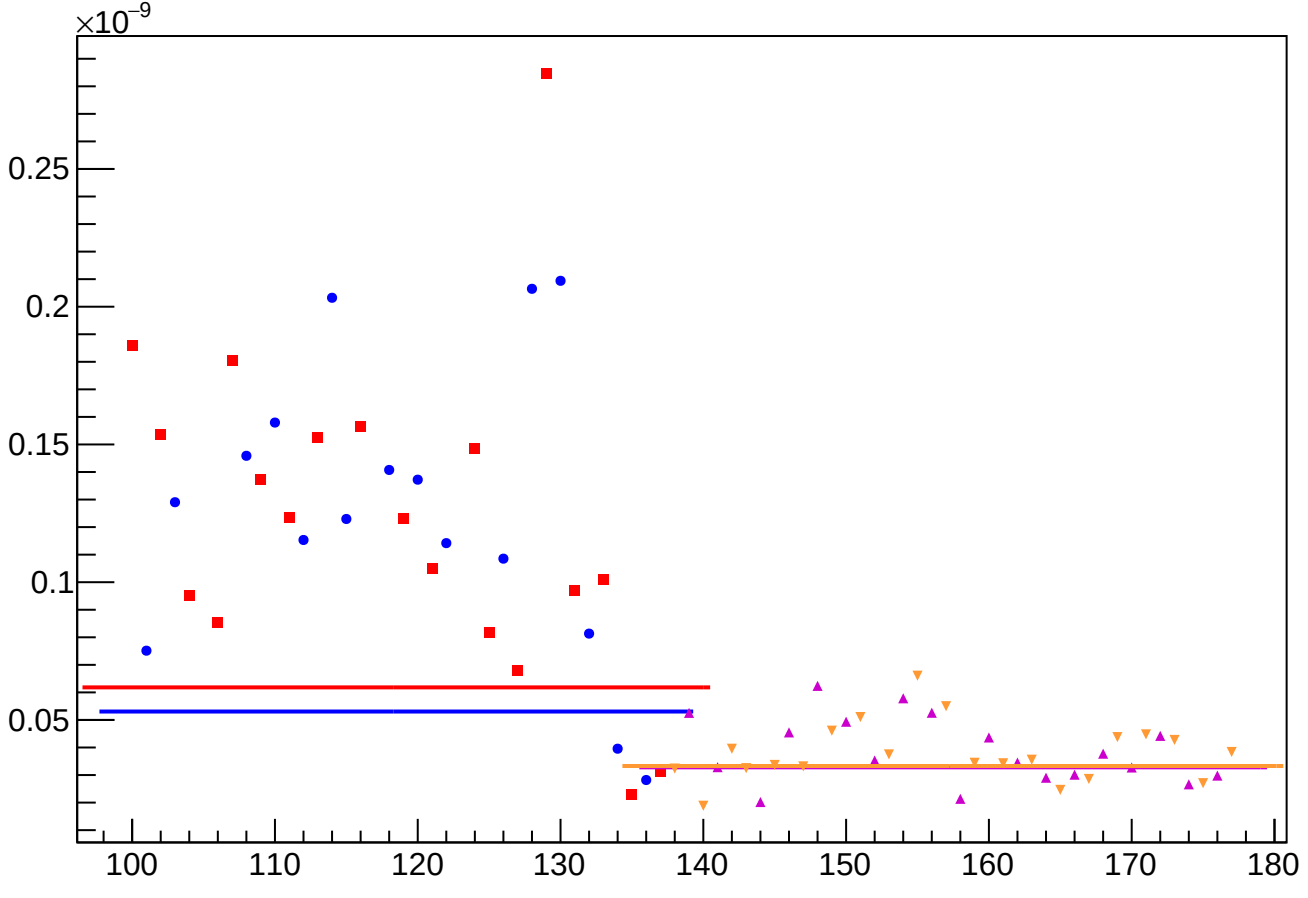
Left: 0.000+/-0.000 χ^2/NDF: 43.5/39

Right: 0.000+/-0.000 χ^2/NDF: 29.0/34

In: -0.000+/-0.000 χ^2/NDF:26.4/34

Out: 0.000+/-0.000 χ^2/NDF:45.8/39

All: 0.000+/-0.000 χ^2/NDF: 72.5/74



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:998433.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1284408.0/18

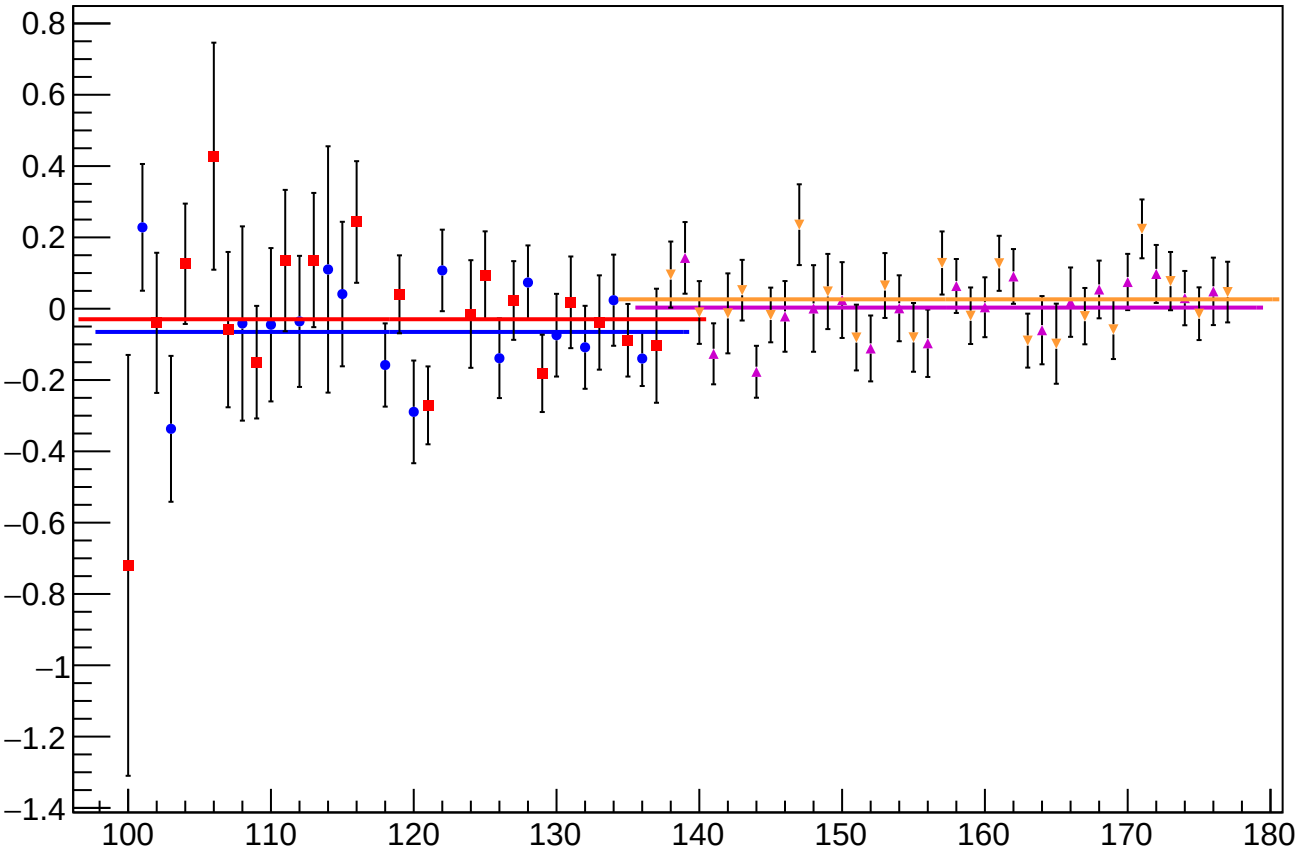
Left: 0.000+/-0.000 χ^2/NDF: 2284102.6/39

Right: 0.000+/-0.000 χ^2/NDF: 5040906.1/34

In: 0.000+/-0.000 χ^2/NDF:4402427.0/34

Out: 0.000+/-0.000 χ^2/NDF:4209219.6/39

All: 0.000+/-0.000 χ^2/NDF: 8612127.0/74



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.026+/-0.019 χ^2/NDF:22.3/20

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.003+/-0.020 χ^2/NDF:18.4/18

Left: 0.015+/-0.014 χ^2/NDF: 41.4/39

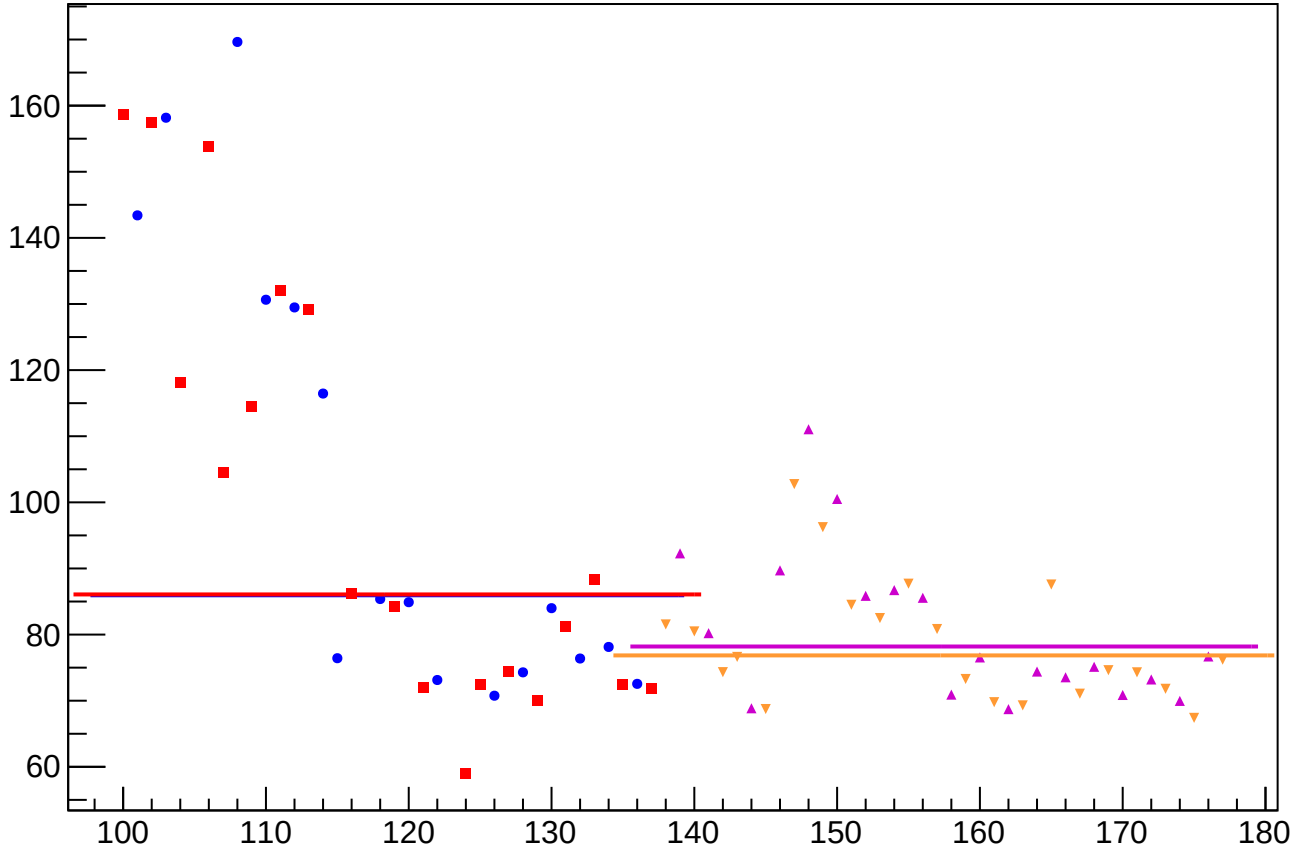
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.015+/-0.017 χ^2/NDF:35.7/34

Out: 0.012+/-0.016 χ^2/NDF:42.5/39

All: -0.001+/-0.012 χ^2/NDF: 79.6/74

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 76.851+/-0.013 χ^2/NDF:368657.9/20

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 78.198+/-0.014 χ^2/NDF:486682.0/18

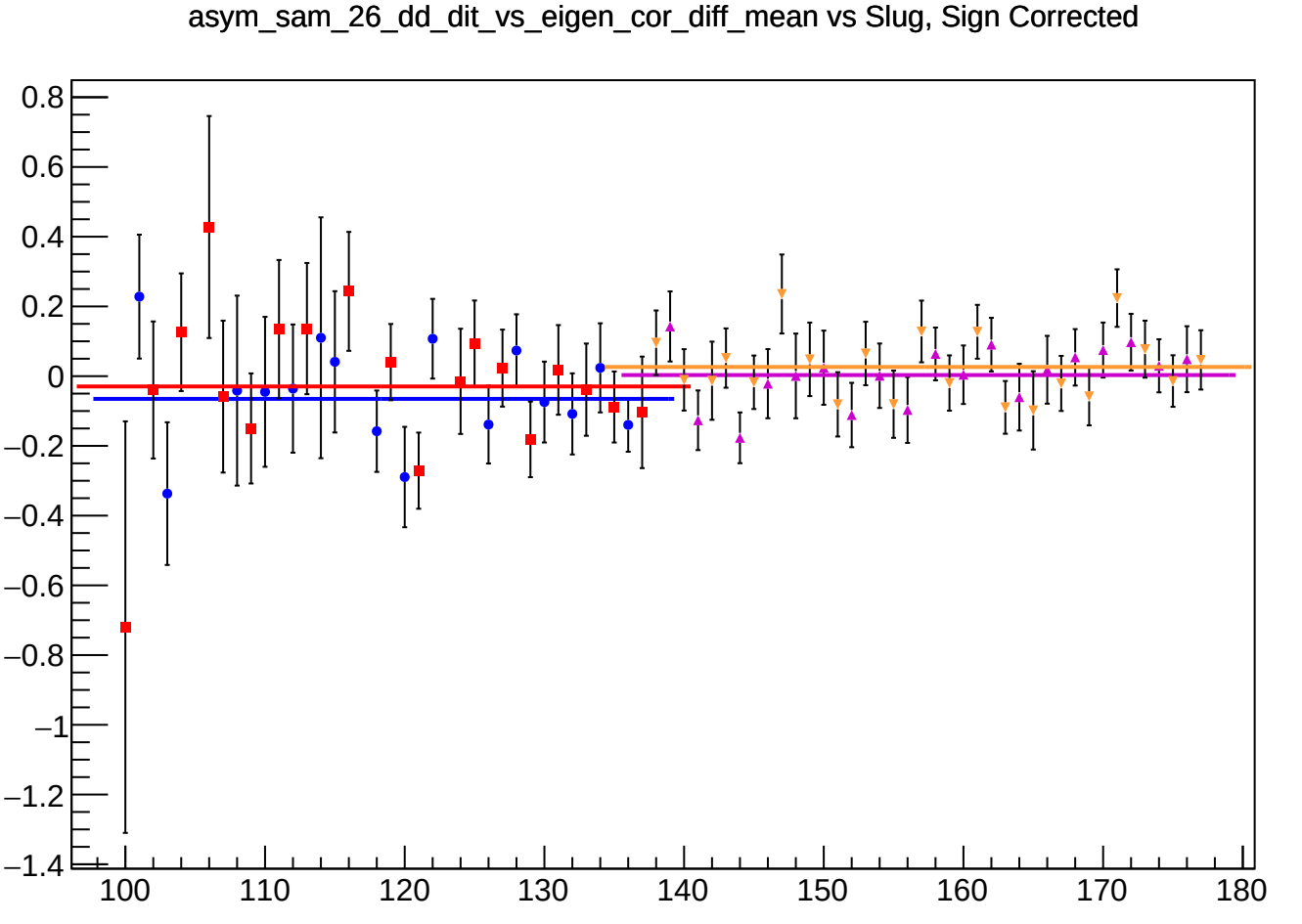
Left: 77.486+/-0.010 χ^2/NDF: 860094.4/39

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 80.264+/-0.012 χ^2/NDF:1601043.6/34

Out: 79.145+/-0.012 χ^2/NDF:1477623.8/39

All: 79.680+/-0.008 χ^2/NDF: 3083086.9/74



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.026+/-0.019 χ^2/NDF:22.3/20

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.003+/-0.020 χ^2/NDF:18.4/18

Left: 0.015+/-0.014 χ^2/NDF: 41.4/39

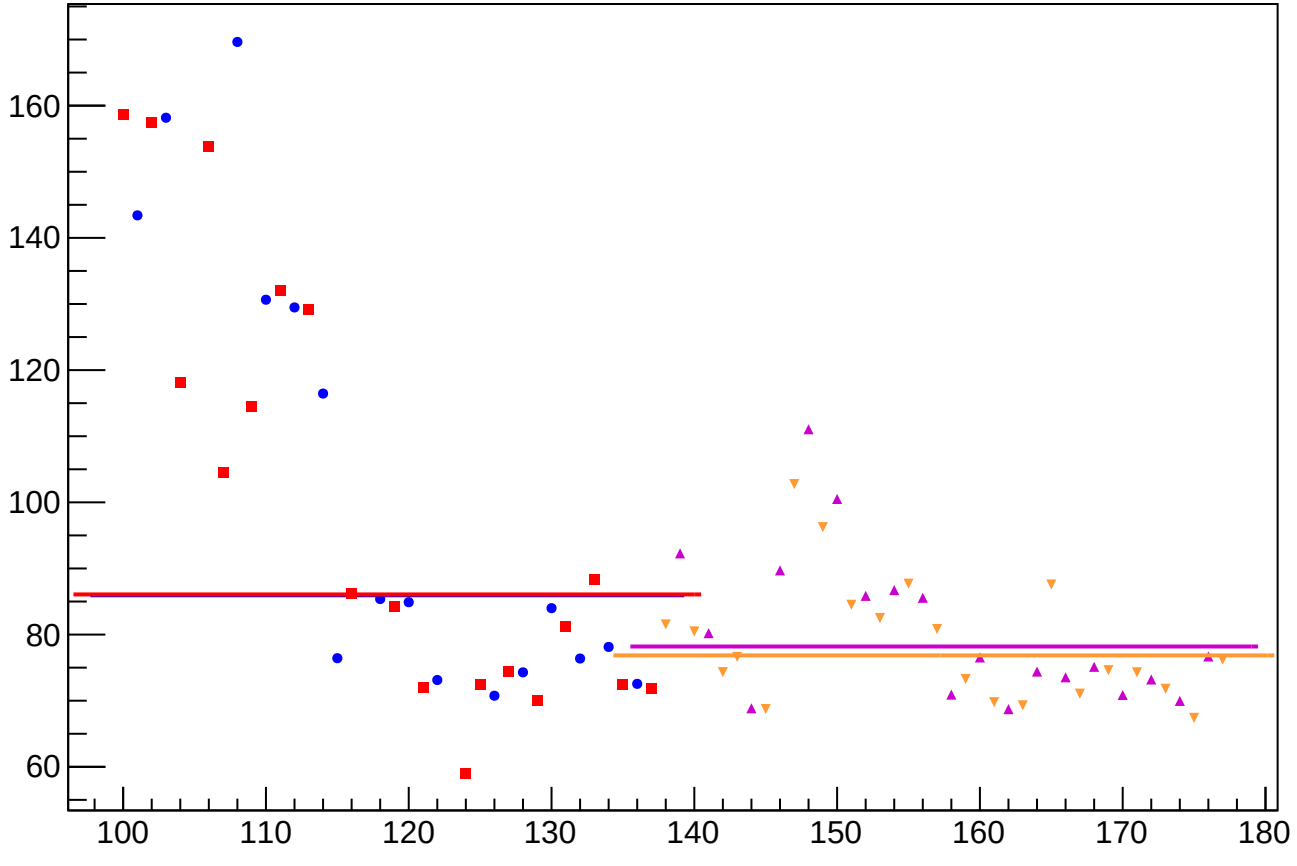
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.015+/-0.017 χ^2/NDF:35.7/34

Out: 0.012+/-0.016 χ^2/NDF:42.5/39

All: -0.001+/-0.012 χ^2/NDF: 79.6/74

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 76.851+/-0.013 χ^2/NDF:368657.9/20

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 78.198+/-0.014 χ^2/NDF:486682.0/18

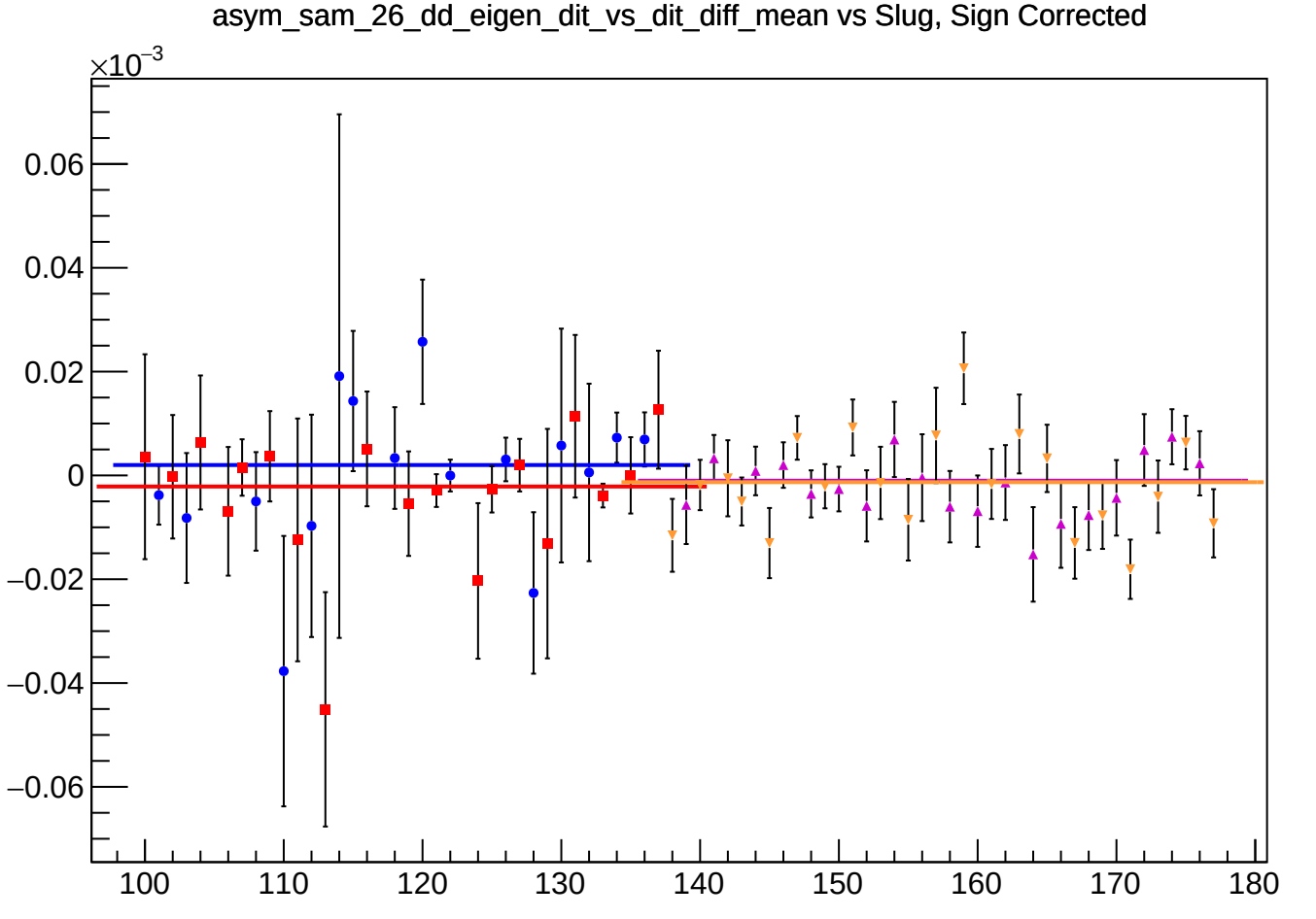
Left: 77.486+/-0.010 χ^2/NDF: 860094.4/39

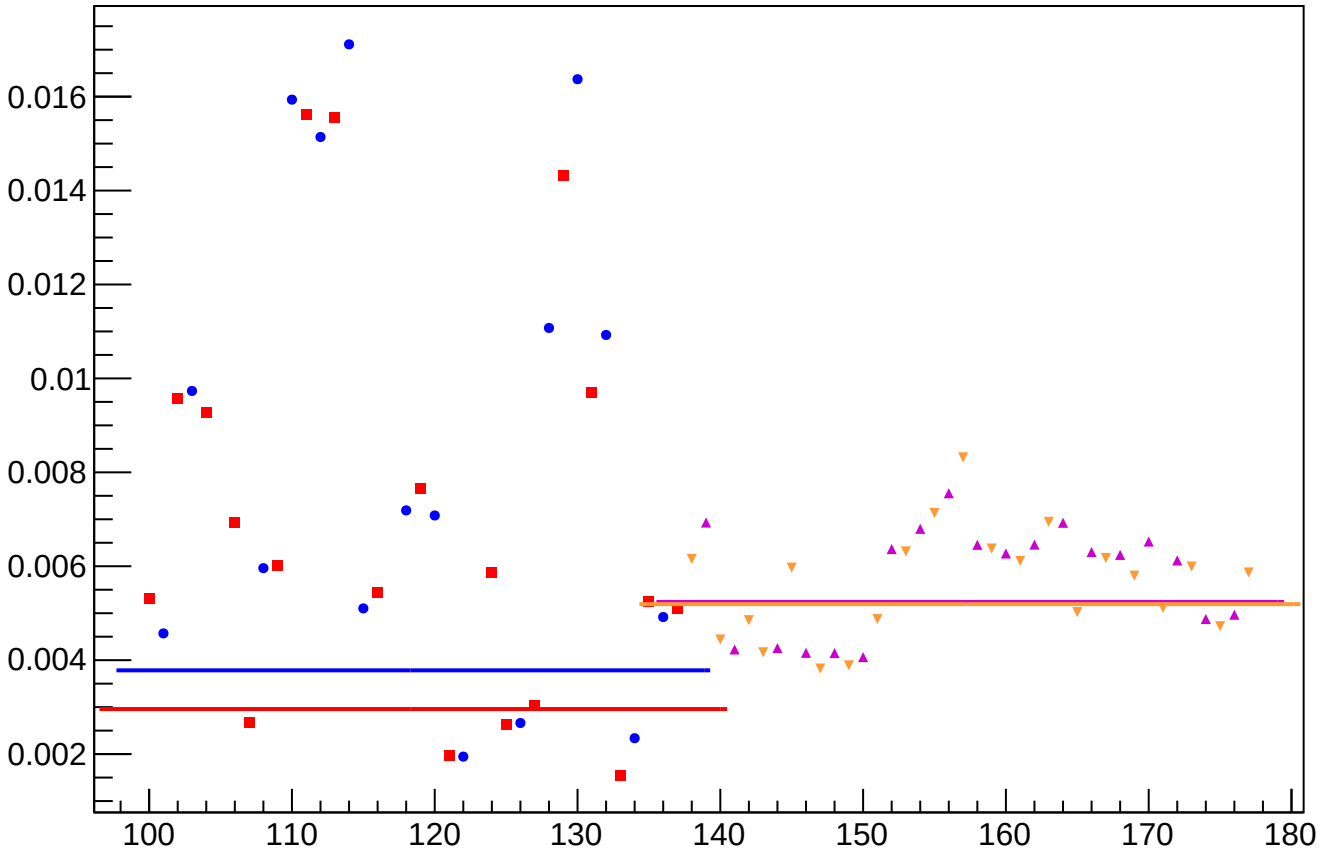
Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 80.264+/-0.012 χ^2/NDF:1601043.6/34

Out: 79.145+/-0.012 χ^2/NDF:1477623.8/39

All: 79.680+/-0.008 χ^2/NDF: 3083086.9/74


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:44.0/20
Right Out: -0.000+/-0.000 χ²/NDF: 11.5/18
Left In: -0.000+/-0.000 χ²/NDF:13.5/18
Left: -0.000+/-0.000 χ²/NDF: 57.5/39
Right: -0.000+/-0.000 χ²/NDF: 29.8/34
In: 0.000+/-0.000 χ²/NDF:30.2/34
Out: -0.000+/-0.000 χ²/NDF:55.7/39
All: -0.000+/-0.000 χ²/NDF: 87.5/74



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1355081.8/20

Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

Left In: 0.005+/-0.000 χ^2/NDF:1393330.5/18

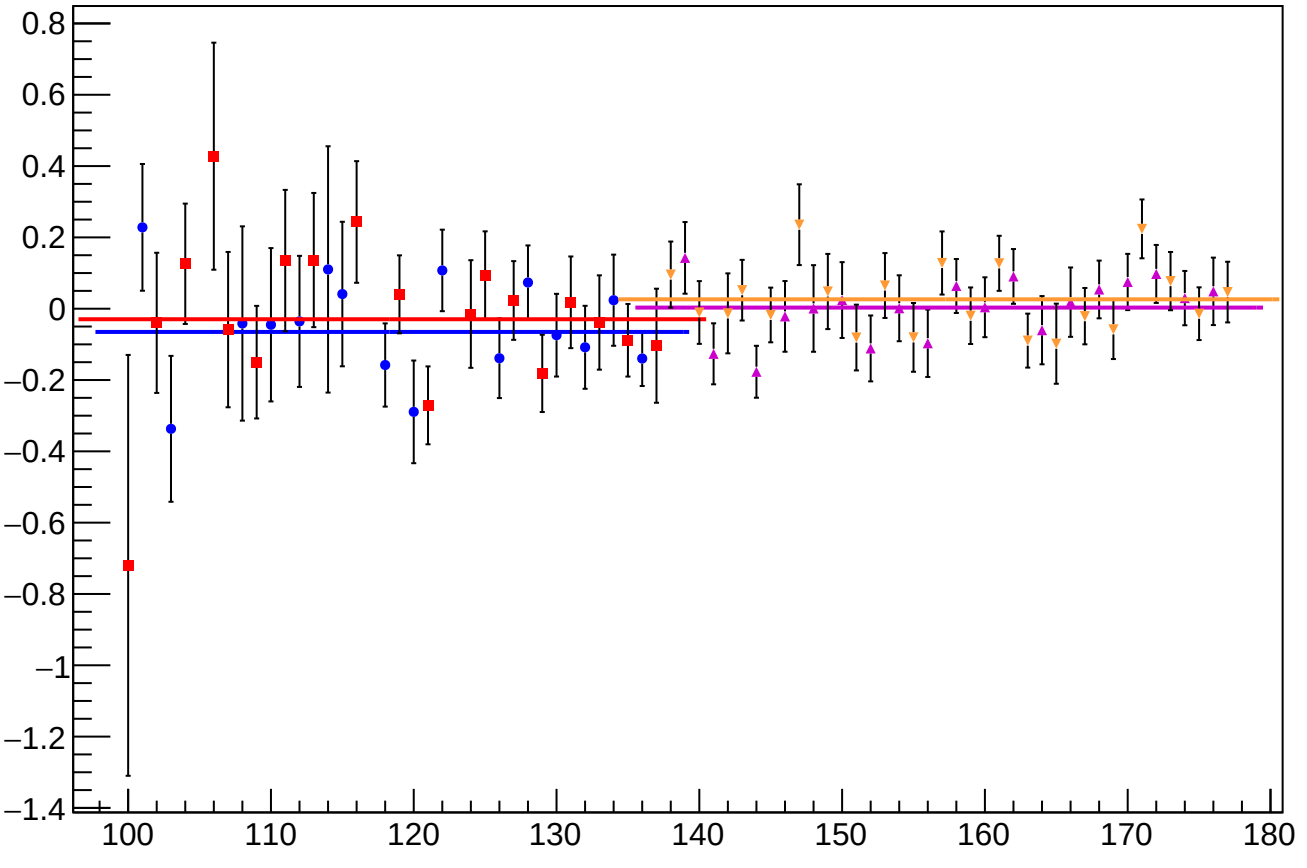
Left: 0.005+/-0.000 χ^2/NDF: 2749656.0/39

Right: 0.003+/-0.000 χ^2/NDF: 10513157.6/34

In: 0.005+/-0.000 χ^2/NDF:6948900.4/34

Out: 0.004+/-0.000 χ^2/NDF:9620408.2/39

All: 0.004+/-0.000 χ^2/NDF: 16840334.9/74



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.026+/-0.019 χ^2/NDF:22.3/20

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.003+/-0.020 χ^2/NDF:18.4/18

Left: 0.015+/-0.014 χ^2/NDF: 41.4/39

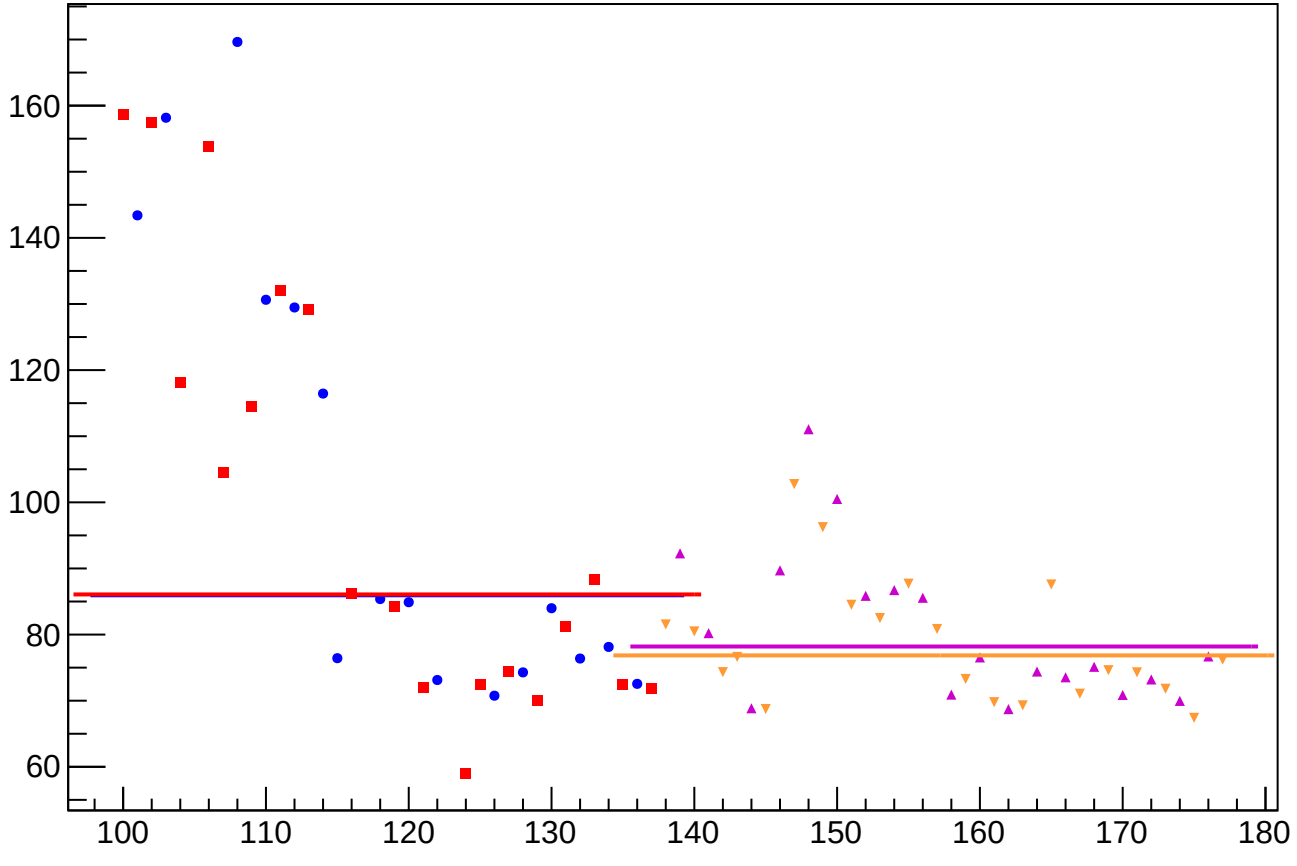
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.015+/-0.017 χ^2/NDF:35.7/34

Out: 0.012+/-0.016 χ^2/NDF:42.5/39

All: -0.001+/-0.012 χ^2/NDF: 79.5/74

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 76.850+/-0.013 χ^2/NDF:368695.9/20

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 78.197+/-0.014 χ^2/NDF:486719.8/18

Left: 77.485+/-0.010 χ^2/NDF: 860168.3/39

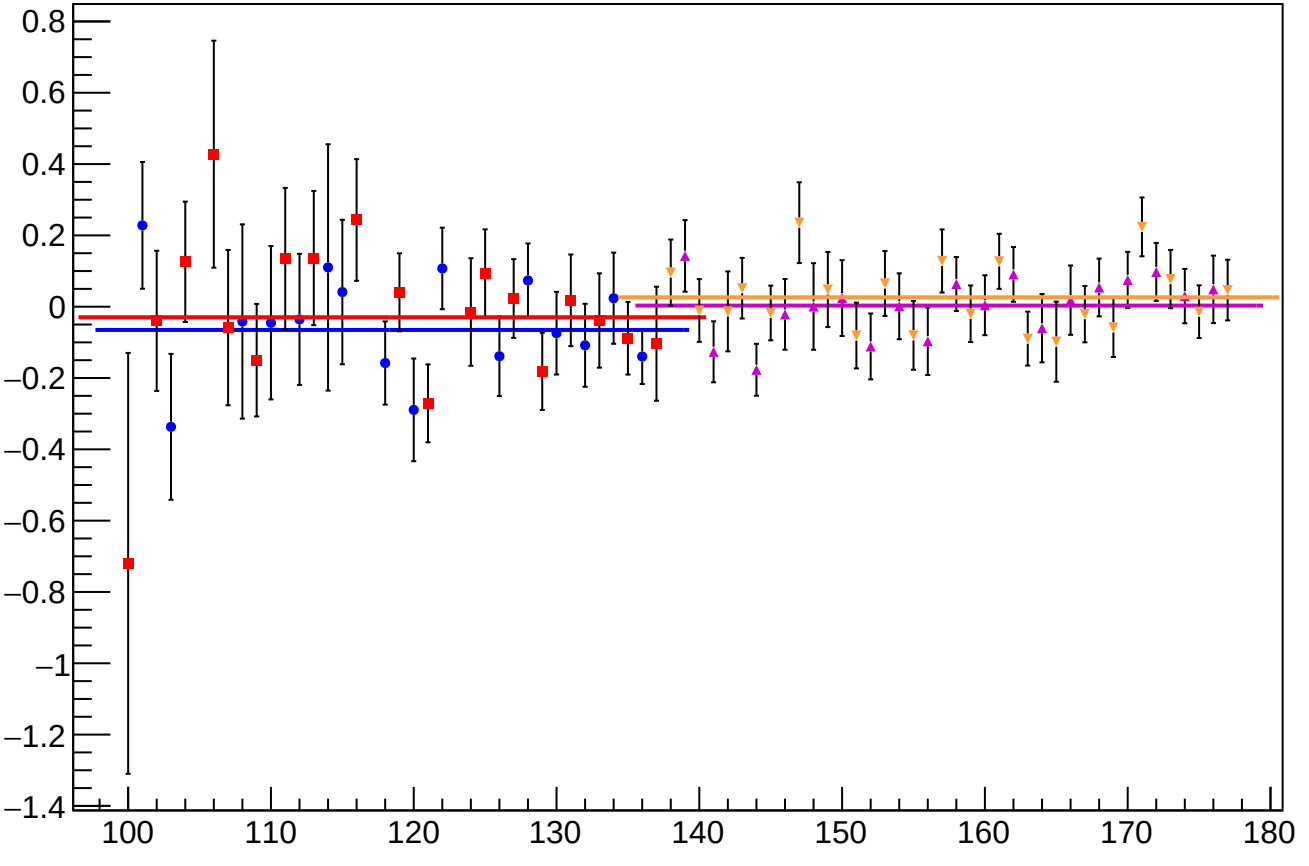
Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 80.263+/-0.012 χ^2/NDF:1601030.9/34

Out: 79.145+/-0.012 χ^2/NDF:1477616.1/39

All: 79.679+/-0.008 χ^2/NDF: 3083063.8/74

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: 0.026+/-0.019 χ^2/NDF:22.3/20

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.003+/-0.020 χ^2/NDF:18.4/18

Left: 0.015+/-0.014 χ^2/NDF: 41.4/39

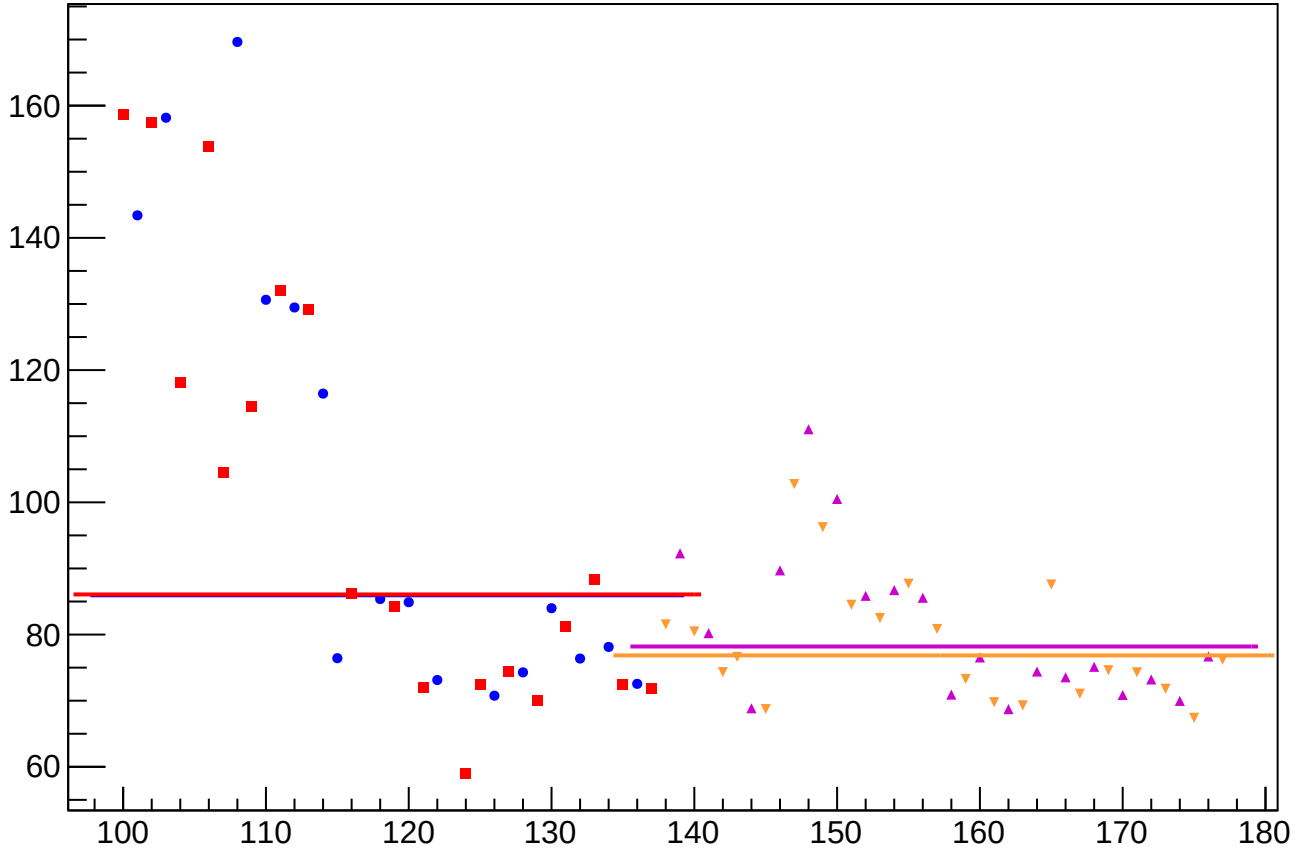
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.015+/-0.017 χ^2/NDF:35.7/34

Out: 0.012+/-0.016 χ^2/NDF:42.5/39

All: -0.001+/-0.012 χ^2/NDF: 79.5/74

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 76.850+/-0.013 χ^2/NDF:368695.9/20

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 78.197+/-0.014 χ^2/NDF:486719.8/18

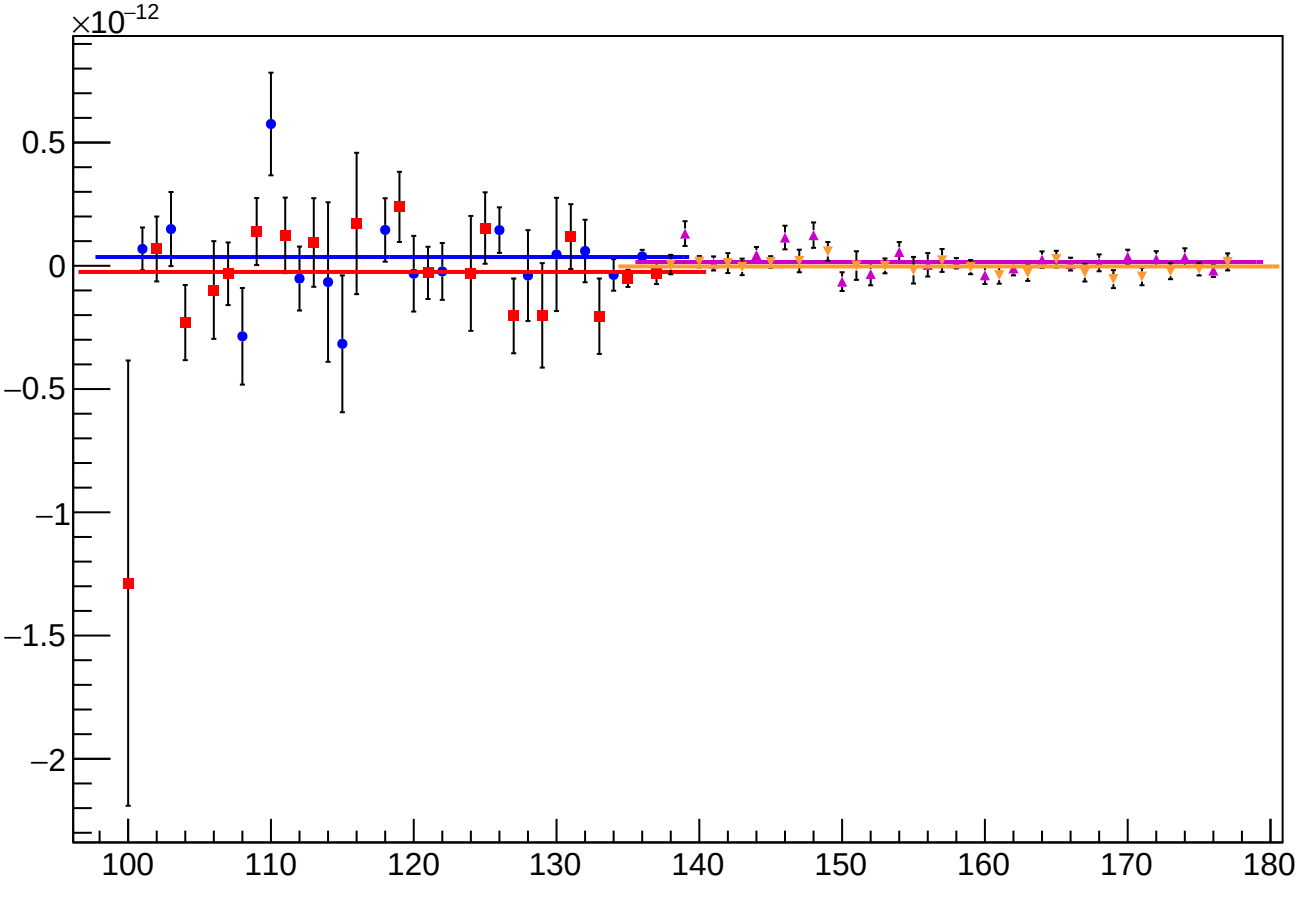
Left: 77.485+/-0.010 χ^2/NDF: 860168.3/39

Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 80.263+/-0.012 χ^2/NDF:1601030.9/34

Out: 79.145+/-0.012 χ^2/NDF:1477616.1/39

All: 79.679+/-0.008 χ^2/NDF: 3083063.8/74



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.8/20

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:27.5/18

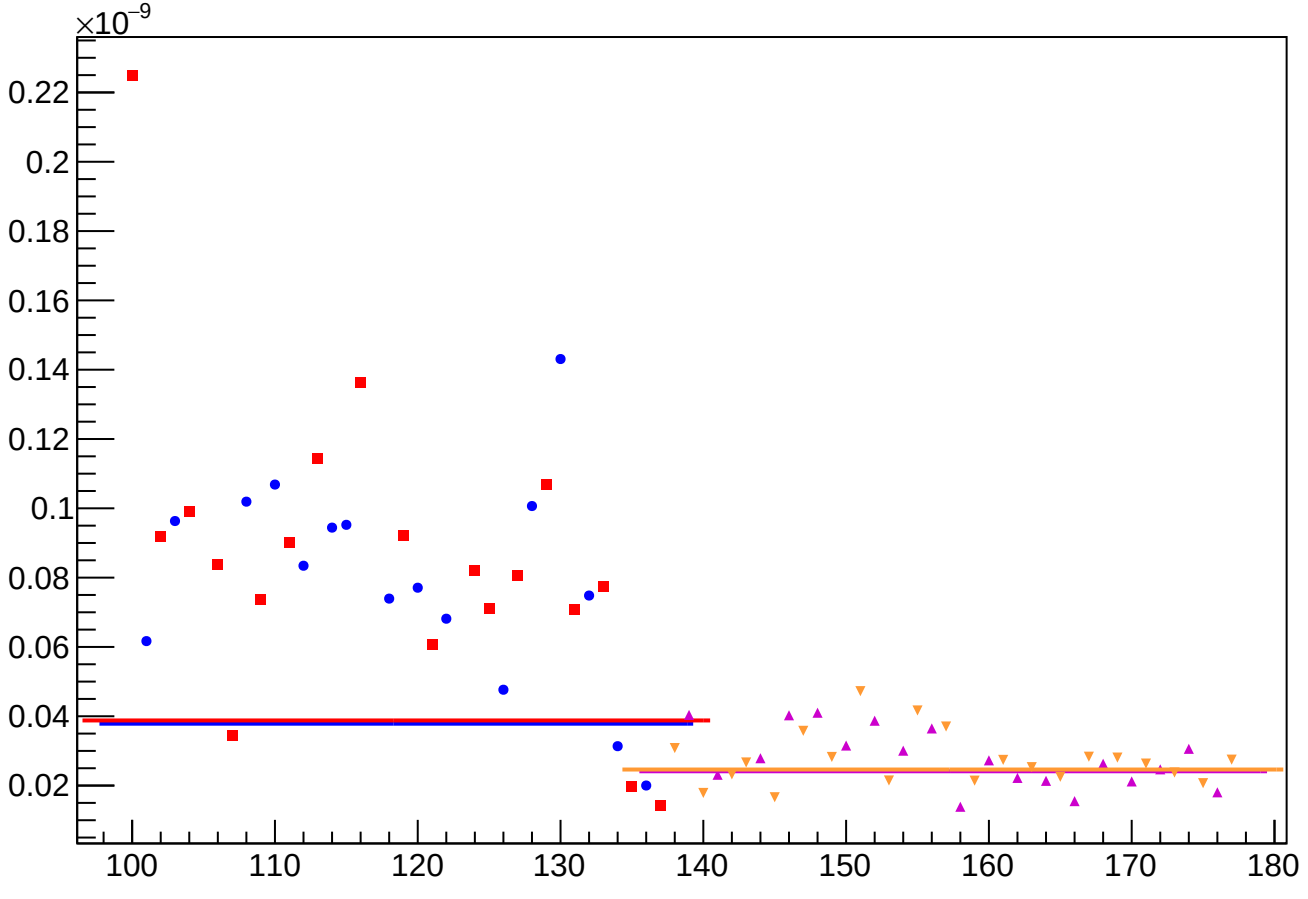
Left: 0.000+/-0.000 χ^2/NDF: 42.2/39

Right: 0.000+/-0.000 χ^2/NDF: 38.2/34

In: 0.000+/-0.000 χ^2/NDF:44.7/34

Out: -0.000+/-0.000 χ^2/NDF:30.6/39

All: 0.000+/-0.000 χ^2/NDF: 80.4/74



Right In: 0.000+/-0.000 χ^2/NDF: 3456922.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1422262.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 4121603.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2068789.8/18

Left: 0.000+/-0.000 χ^2/NDF: 3495640.2/39

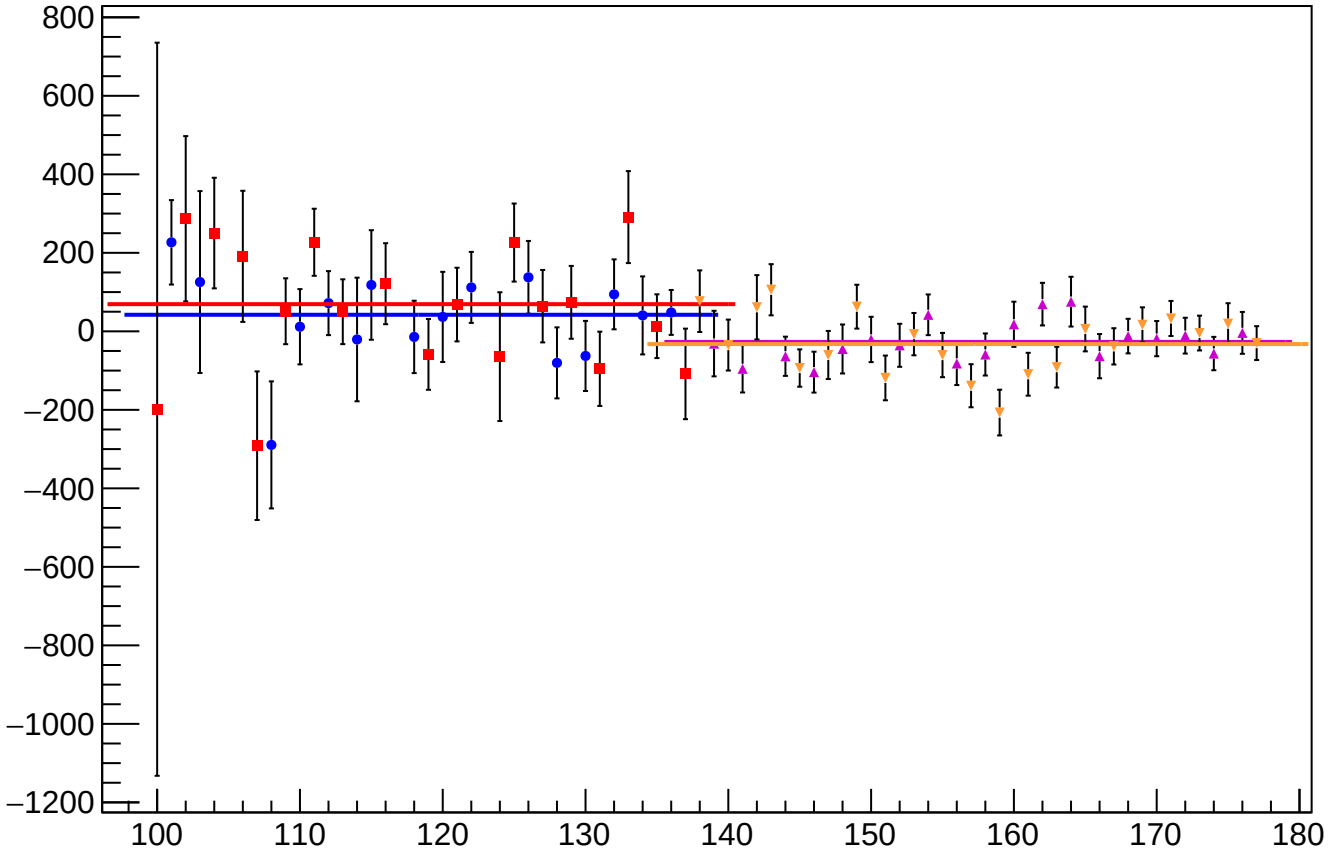
Right: 0.000+/-0.000 χ^2/NDF: 7580417.6/34

In: 0.000+/-0.000 χ^2/NDF:6306917.5/34

Out: 0.000+/-0.000 χ^2/NDF:6279380.7/39

All: 0.000+/-0.000 χ^2/NDF: 12587718.5/74

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -32.430+/-11.698 χ^2/NDF:36.5/20

Right Out: 69.249+/-24.418 χ^2/NDF: 25.4/18

Left In: -26.955+/-12.189 χ^2/NDF:15.0/18

Left: -29.805+/-8.440 χ^2/NDF: 51.6/39

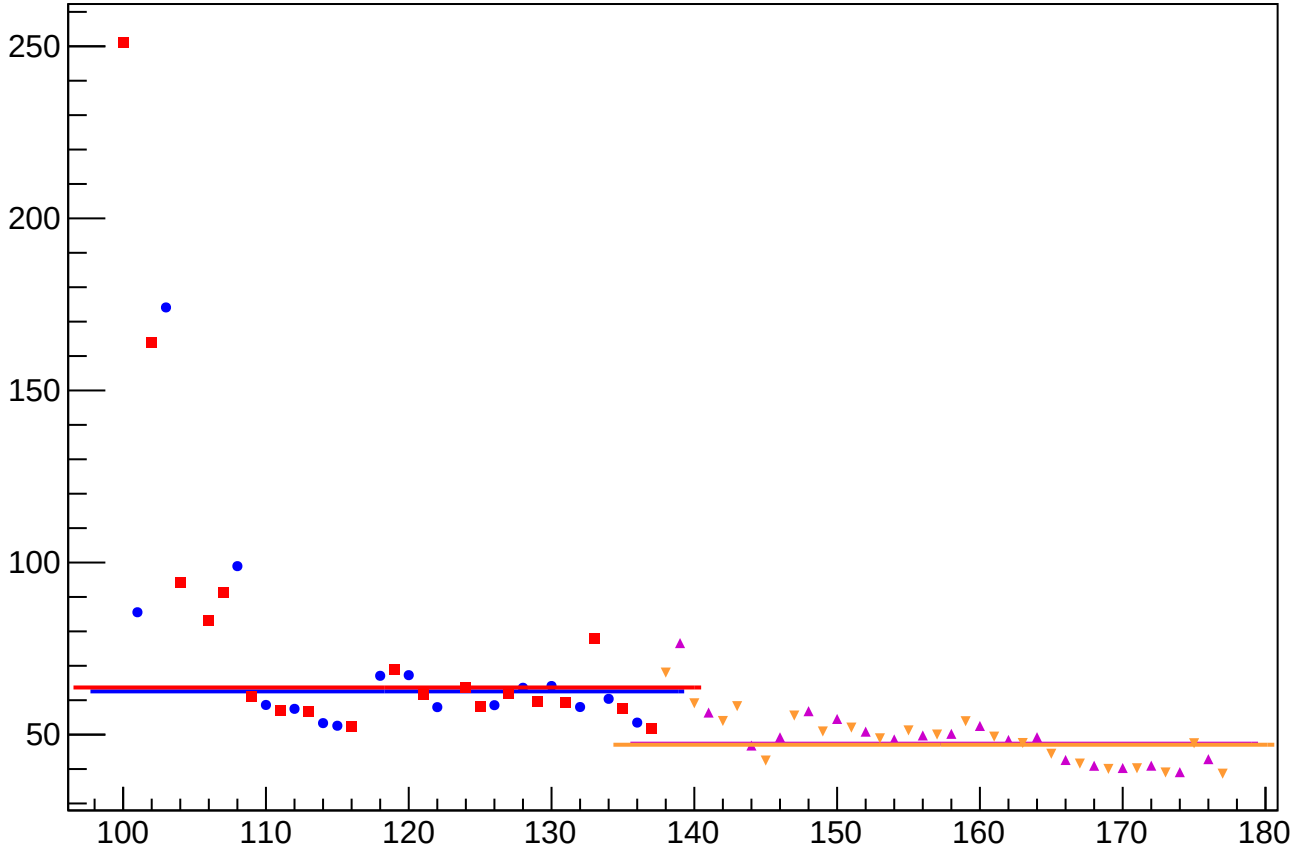
Right: 55.617+/-17.191 χ^2/NDF: 39.5/34

In: -12.964+/-10.887 χ^2/NDF:35.1/34

Out: -13.450+/-10.550 χ^2/NDF:75.9/39

All: -13.214+/-7.576 χ^2/NDF: 111.0/74

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 47.064+/-0.008 χ^2/NDF:688155.5/20

Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 47.370+/-0.009 χ^2/NDF:642283.4/18

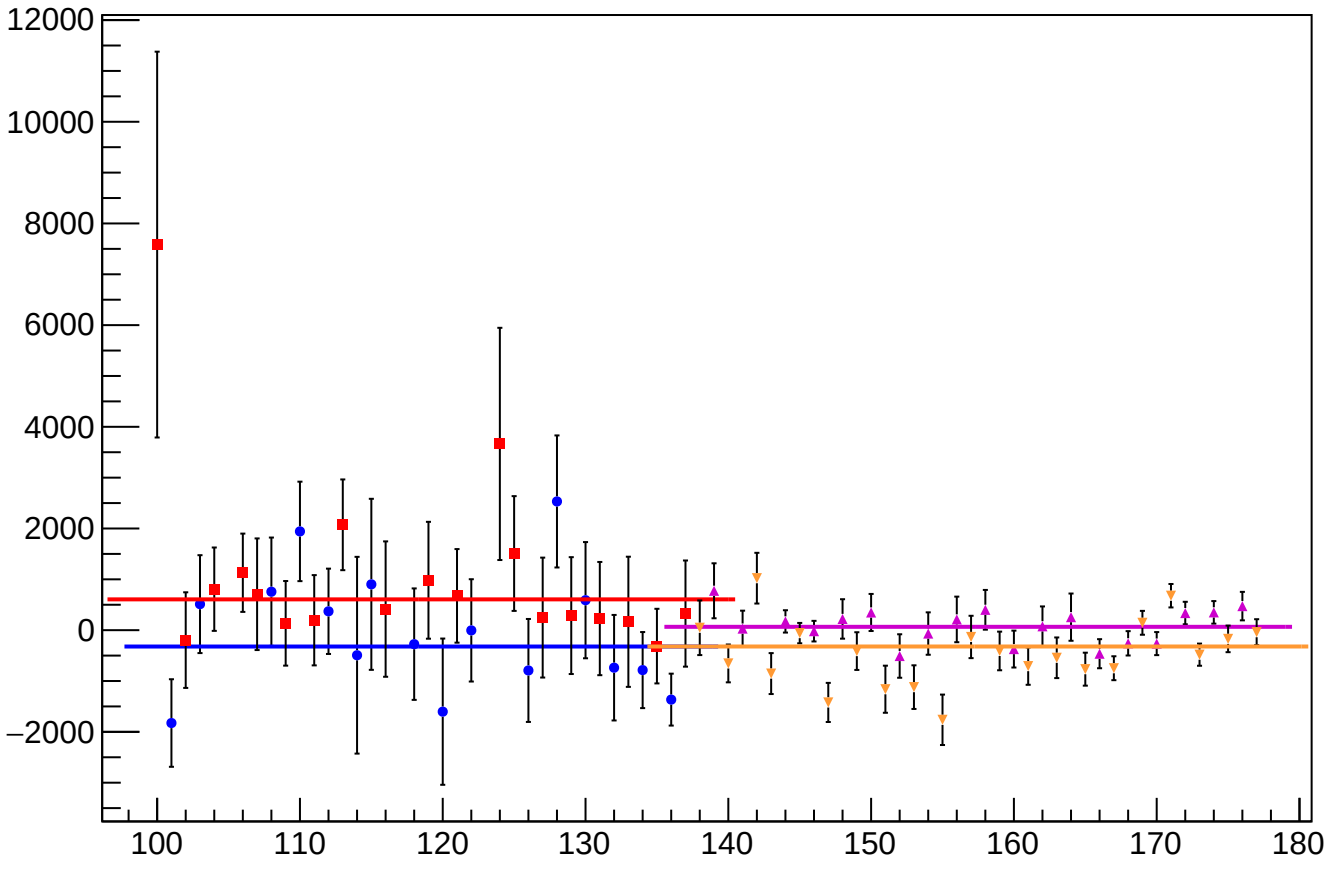
Left: 47.211+/-0.006 χ^2/NDF: 1331094.6/39

Right: 63.127+/-0.012 χ^2/NDF: 1594958.1/34

In: 50.444+/-0.008 χ^2/NDF:2029568.6/34

Out: 50.170+/-0.007 χ^2/NDF:2277269.7/39

All: 50.302+/-0.005 χ^2/NDF: 4307491.7/74



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -321.184+/-68.047 χ^2/NDF:67.1/20

Right Out: 605.859+/-233.643 χ^2/NDF: 12.5/18

Left In: 65.919+/-68.223 χ^2/NDF:19.9/18

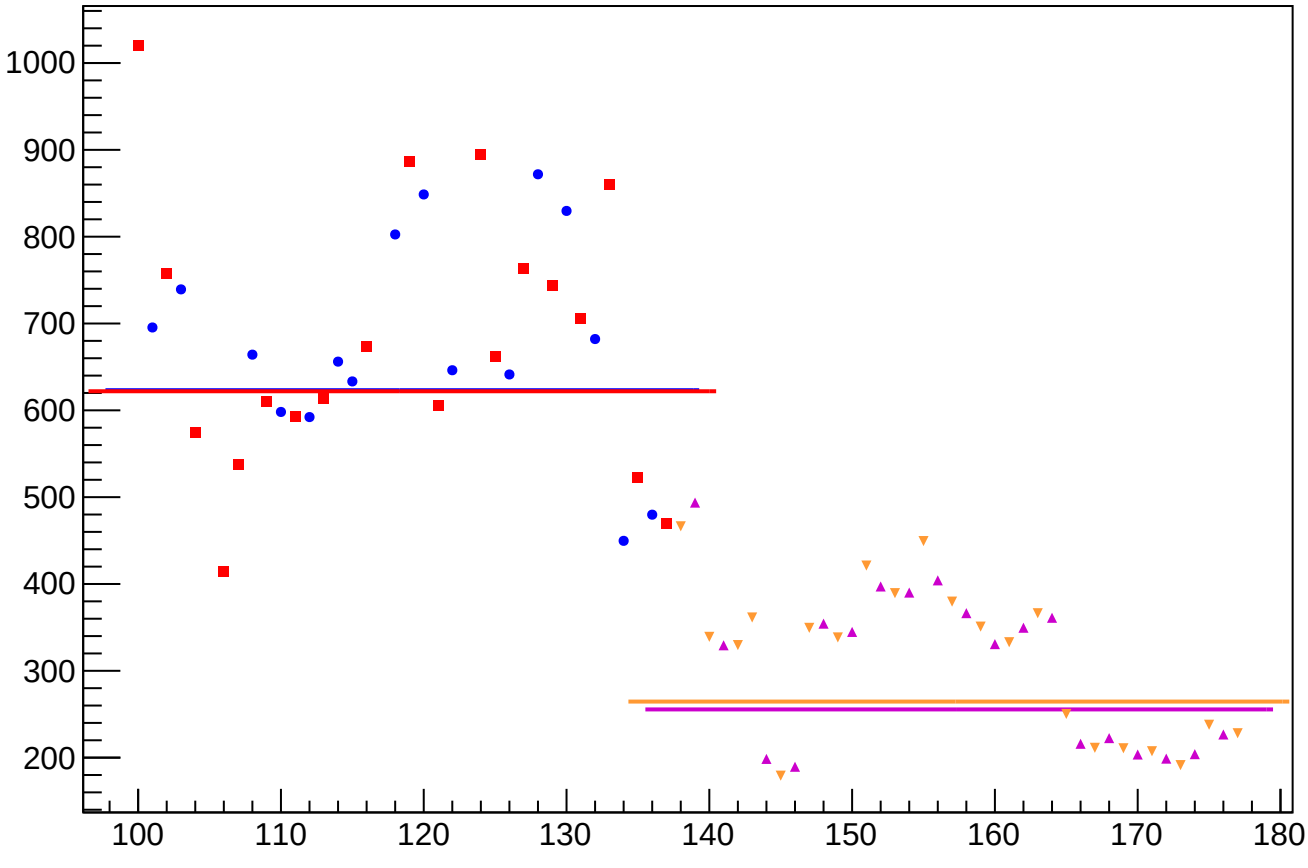
Left: -128.131+/-48.179 χ^2/NDF: 103.2/39

Right: 151.604+/-166.895 χ^2/NDF: 42.9/34

In: 36.600+/-65.592 χ^2/NDF:45.1/34

Out: -248.697+/-65.333 χ^2/NDF:94.1/39

All: -106.613+/-46.288 χ^2/NDF: 148.7/74



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 264.579+/-0.048 χ^2/NDF:2804797.8/20

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

Left In: 255.527+/-0.048 χ^2/NDF:2627716.4/18

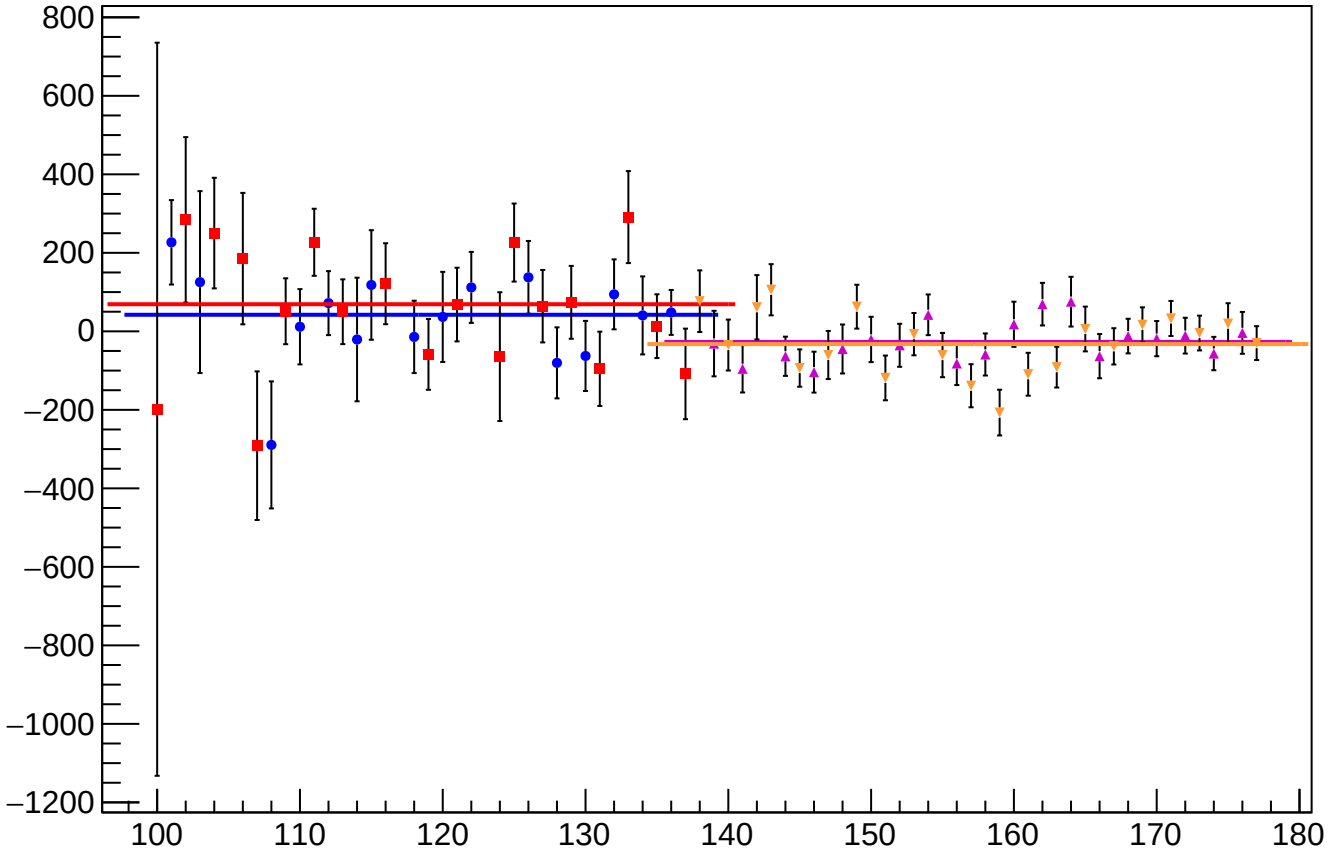
Left: 260.065+/-0.034 χ^2/NDF: 5450164.1/39

Right: 622.565+/-0.118 χ^2/NDF: 1148142.8/34

In: 283.338+/-0.046 χ^2/NDF:7586986.8/34

Out: 292.524+/-0.046 χ^2/NDF:7701231.2/39

All: 287.949+/-0.033 χ^2/NDF: 15307907.7/74



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -32.428+/-11.698 χ^2/NDF:36.5/20

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -26.953+/-12.189 χ^2/NDF:15.0/18

Left: -29.803+/-8.440 χ^2/NDF: 51.6/39

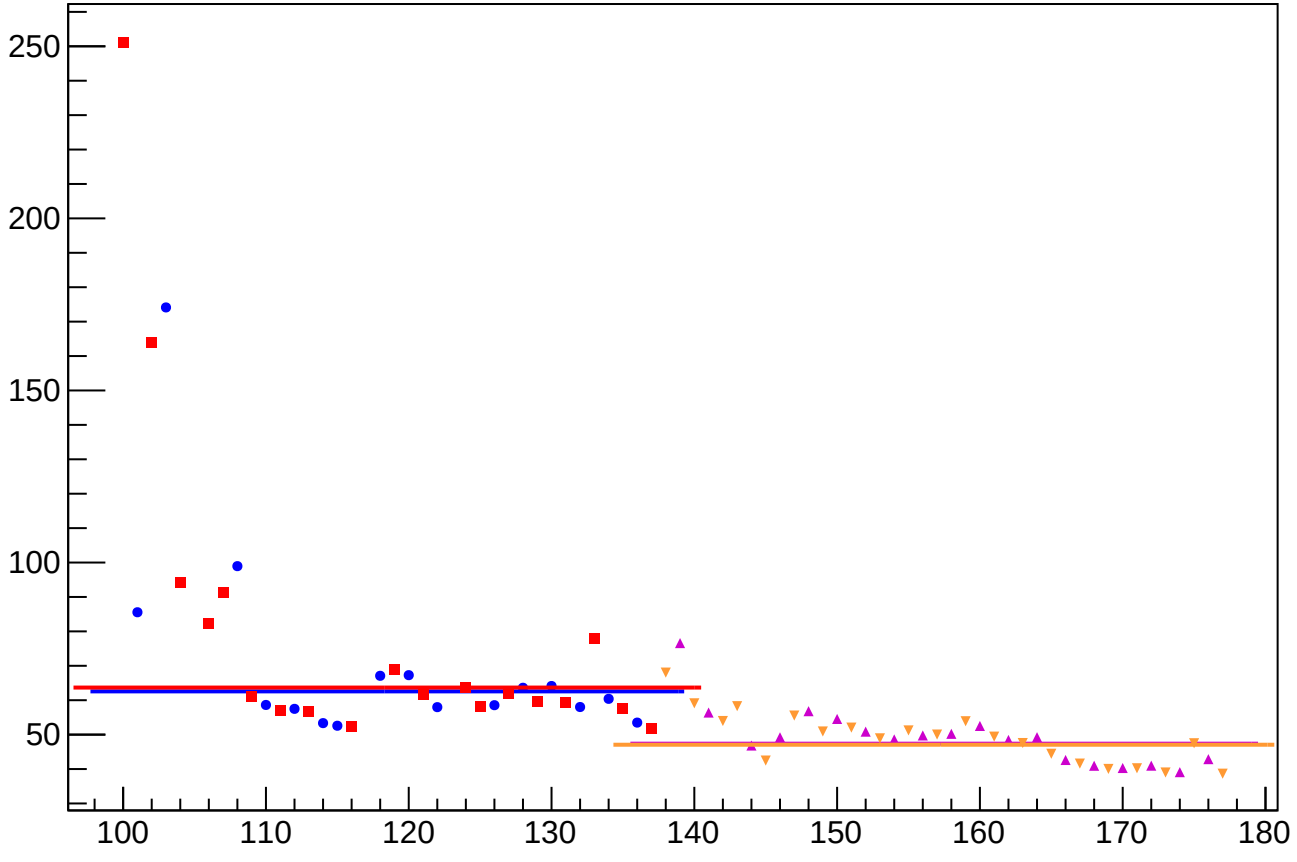
Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -12.963+/-10.887 χ^2/NDF:35.1/34

Out: -13.484+/-10.550 χ^2/NDF:75.8/39

All: -13.232+/-7.576 χ^2/NDF: 110.9/74

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 47.064+/-0.008 χ^2/NDF:688155.4/20

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 47.370+/-0.009 χ^2/NDF:642283.4/18

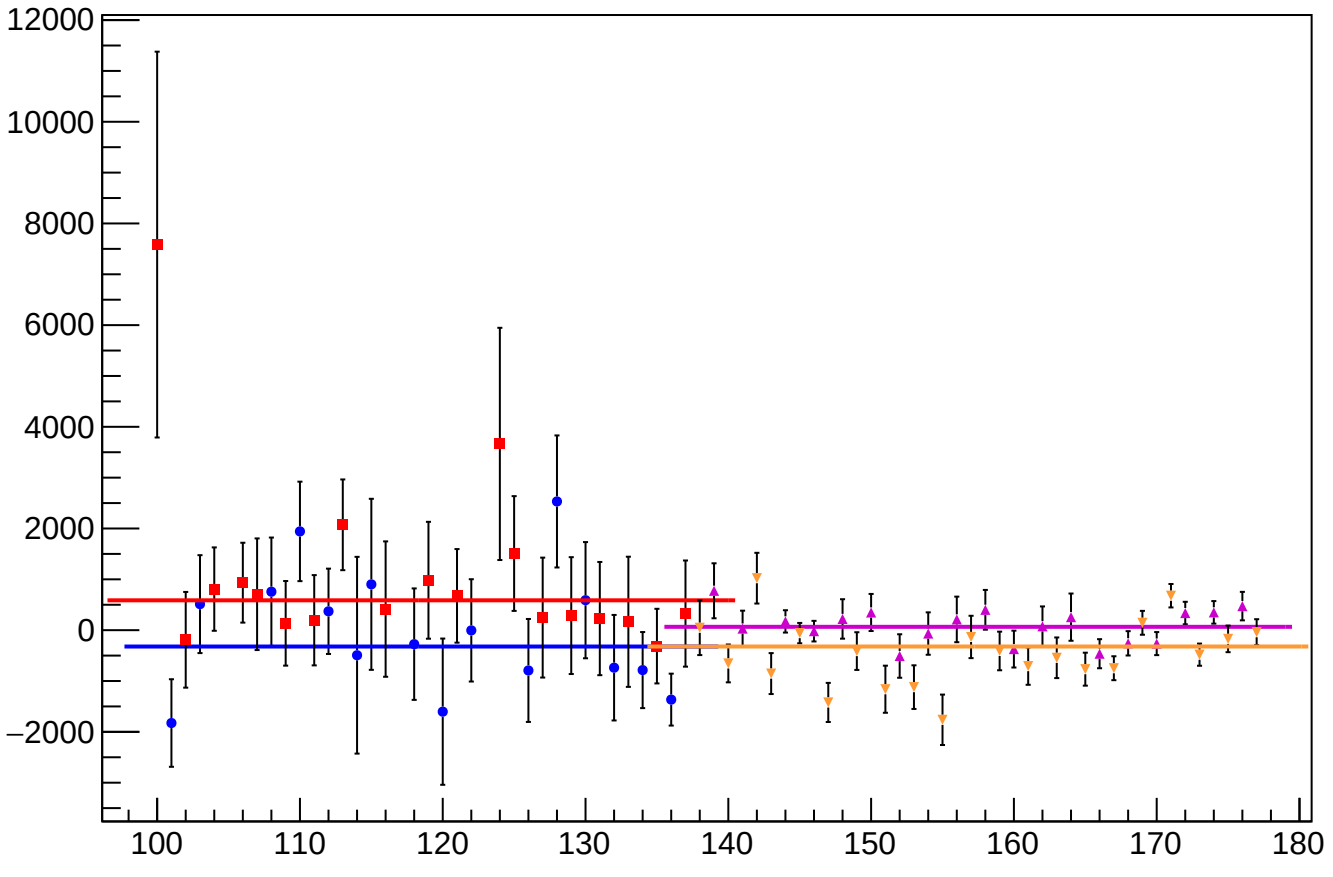
Left: 47.211+/-0.006 χ^2/NDF: 1331094.5/39

Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 50.444+/-0.008 χ^2/NDF:2029570.3/34

Out: 50.165+/-0.007 χ^2/NDF:2272258.1/39

All: 50.300+/-0.005 χ^2/NDF: 4302505.0/74



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -321.180+/-68.047 χ^2/NDF:67.1/20

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 65.922+/-68.223 χ^2/NDF:19.9/18

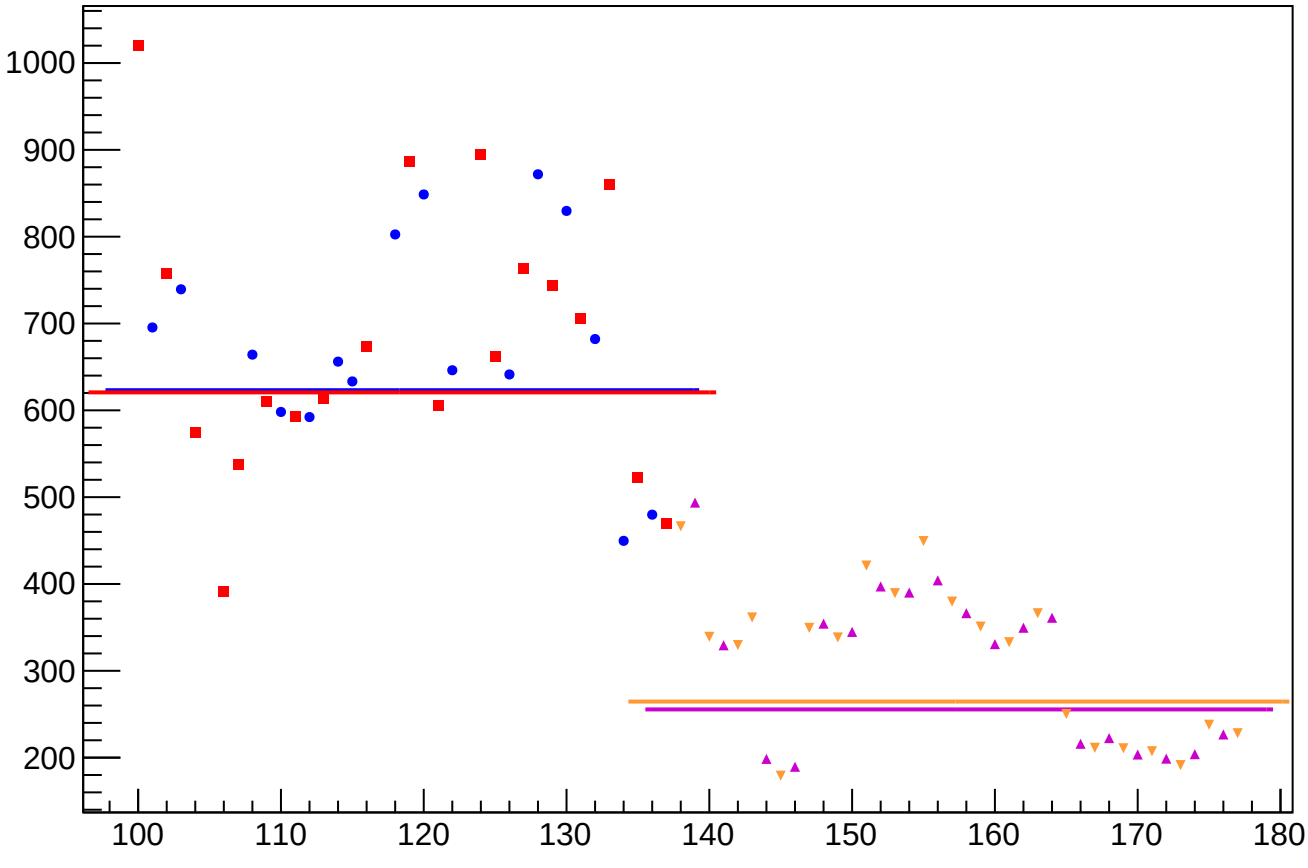
Left: -128.127+/-48.179 χ^2/NDF: 103.2/39

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 36.603+/-65.592 χ^2/NDF:45.1/34

Out: -250.395+/-65.342 χ^2/NDF:93.2/39

All: -107.442+/-46.292 χ^2/NDF: 147.9/74



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 264.579+/-0.048 χ^2/NDF:2804803.0/20

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 255.527+/-0.048 χ^2/NDF:2627711.4/18

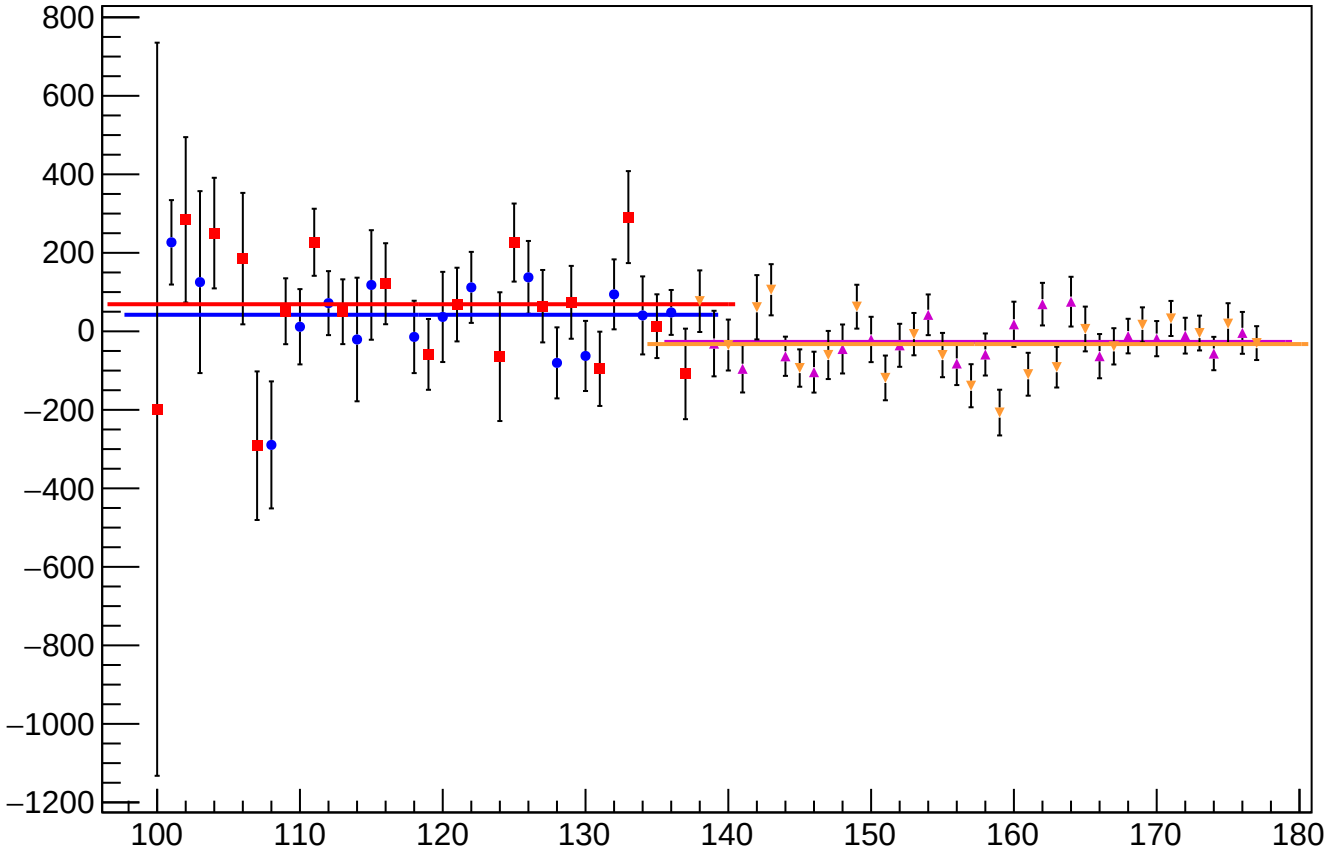
Left: 260.064+/-0.034 χ^2/NDF: 5450163.2/39

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 283.338+/-0.046 χ^2/NDF:7587030.6/34

Out: 292.326+/-0.046 χ^2/NDF:7683079.3/39

All: 287.849+/-0.033 χ^2/NDF: 15288958.5/74



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -32.428+/-11.698 χ^2/NDF:36.5/20

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -26.953+/-12.189 χ^2/NDF:15.0/18

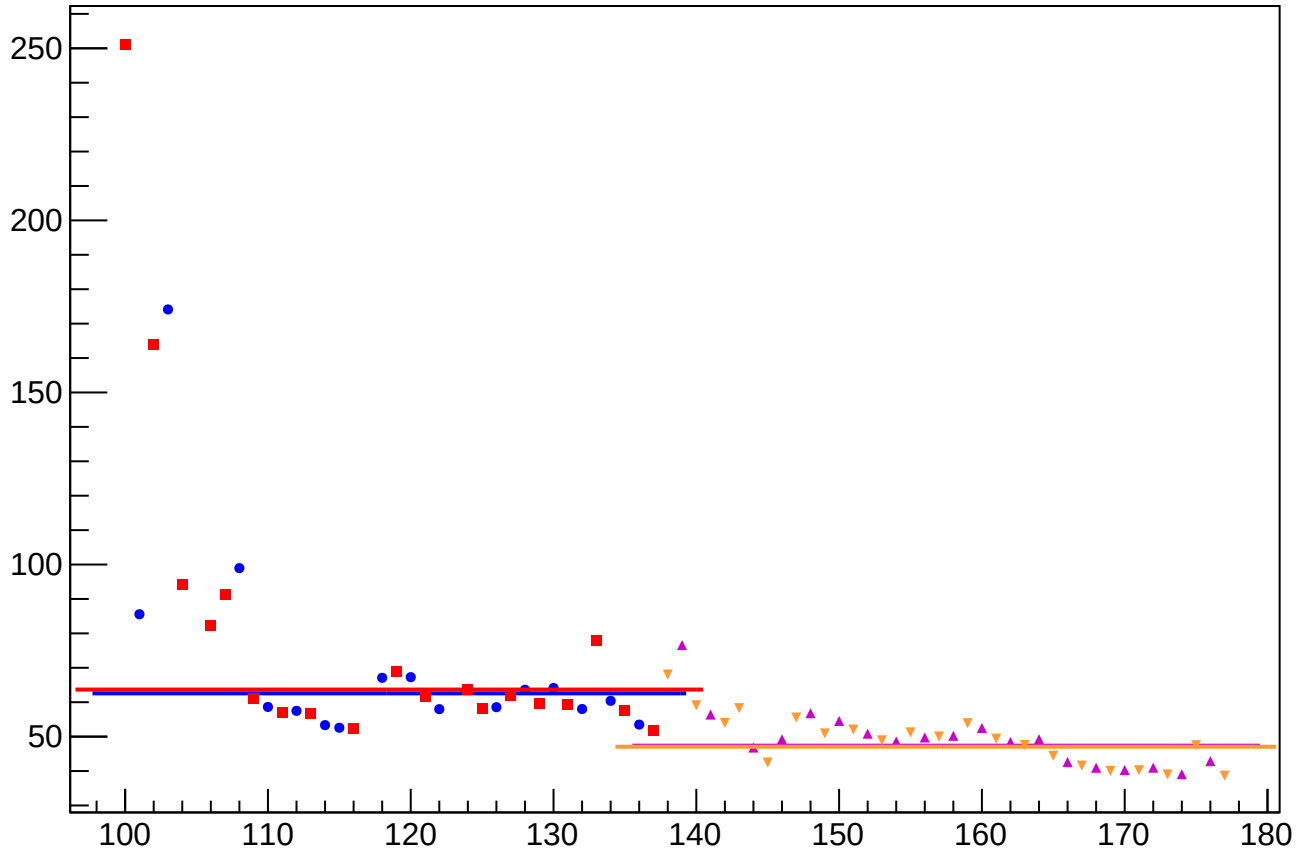
Left: -29.803+/-8.440 χ^2/NDF: 51.6/39

Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -12.963+/-10.887 χ^2/NDF:35.1/34

Out: -13.484+/-10.550 χ^2/NDF:75.8/39

All: -13.232+/-7.576 χ^2/NDF: 110.9/74



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 47.064+/-0.008 χ^2/NDF:688155.4/20

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 47.370+/-0.009 χ^2/NDF:642283.4/18

Left: 47.211+/-0.006 χ^2/NDF: 1331094.5/39

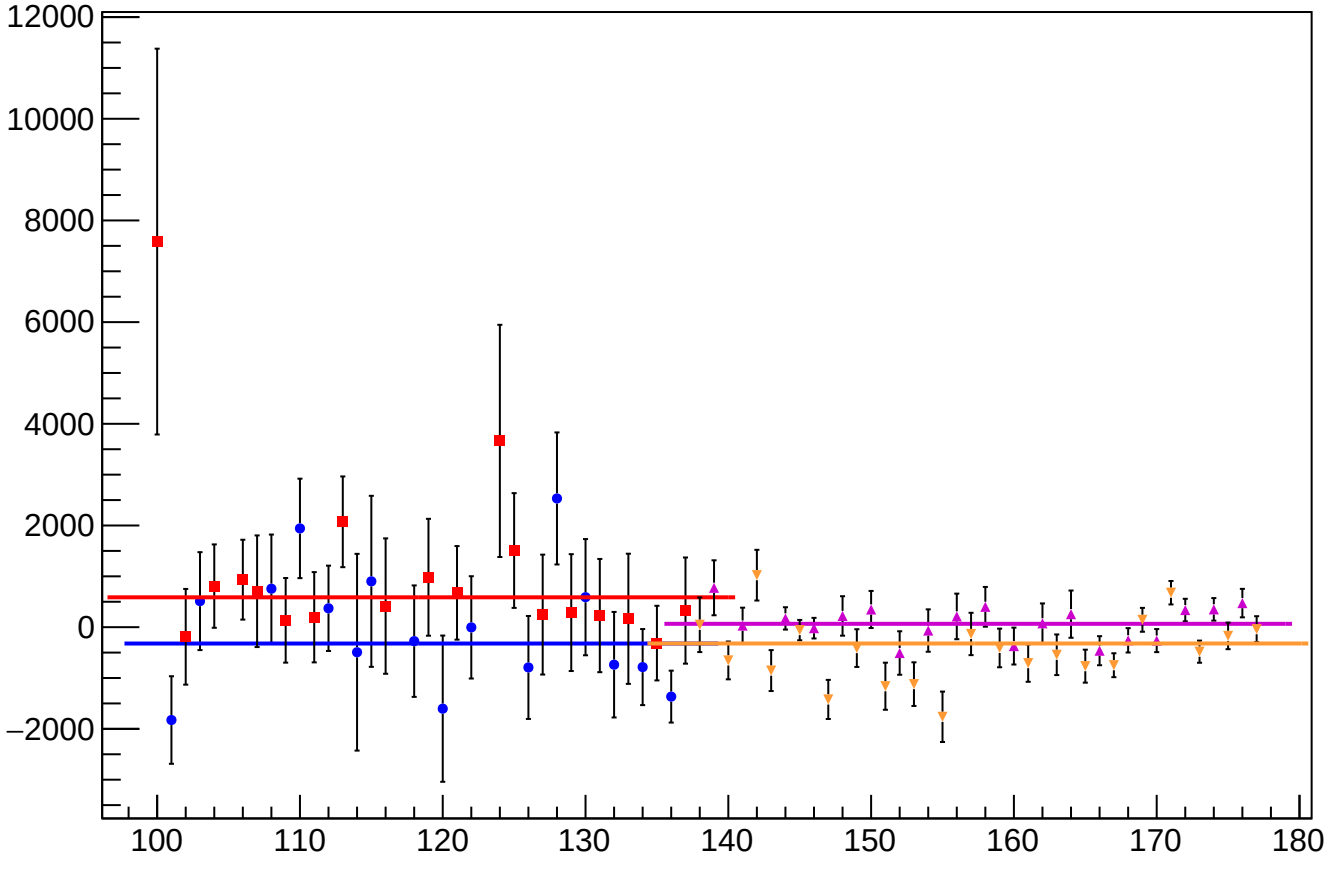
Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 50.444+/-0.008 χ^2/NDF:2029570.3/34

Out: 50.165+/-0.007 χ^2/NDF:2272258.1/39

All: 50.300+/-0.005 χ^2/NDF: 4302505.0/74

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: -321.180+/-68.047 χ^2/NDF:67.1/20

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 65.922+/-68.223 χ^2/NDF:19.9/18

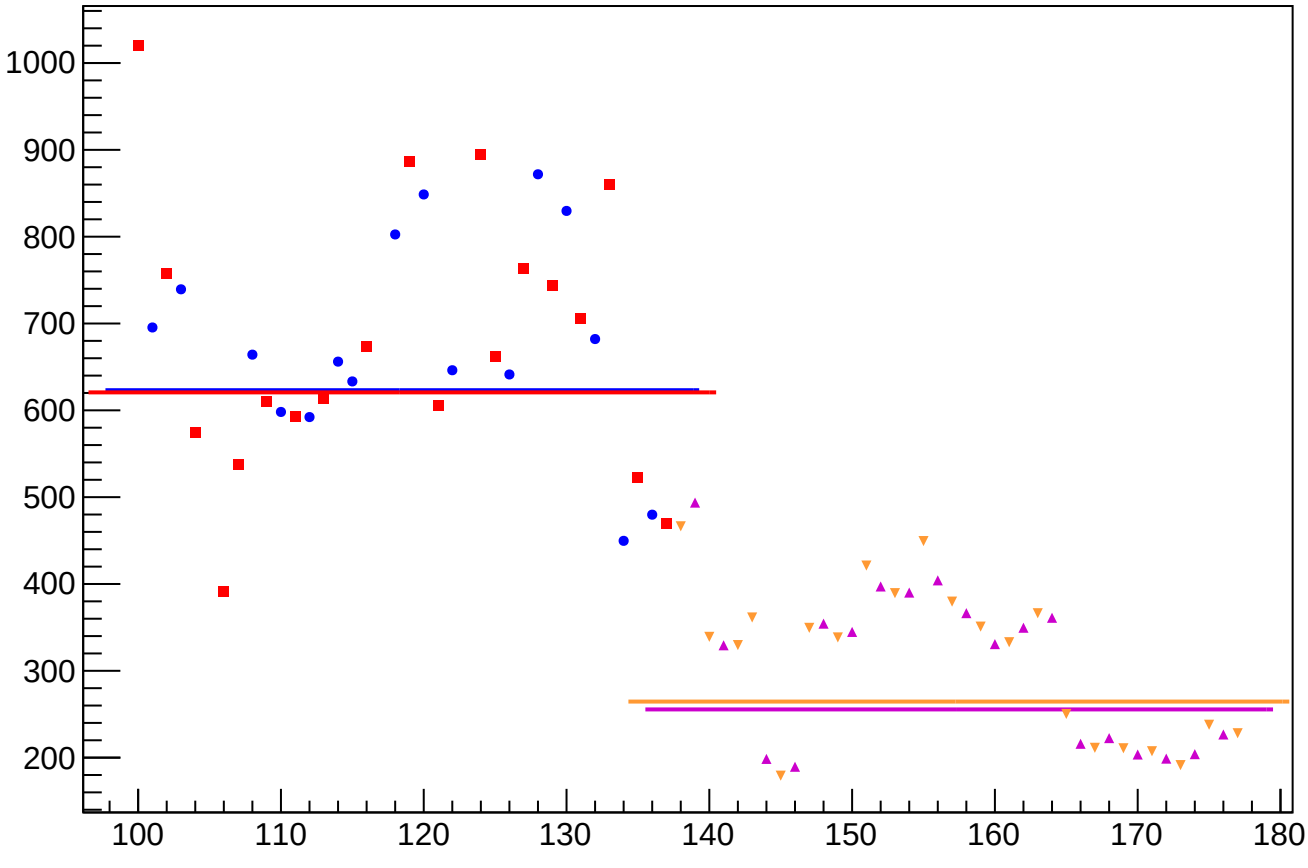
Left: -128.127+/-48.179 χ^2/NDF: 103.2/39

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 36.603+/-65.592 χ^2/NDF:45.1/34

Out: -250.395+/-65.342 χ^2/NDF:93.2/39

All: -107.442+/-46.292 χ^2/NDF: 147.9/74



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 264.579+/-0.048 χ^2/NDF:2804803.0/20

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 255.527+/-0.048 χ^2/NDF:2627711.4/18

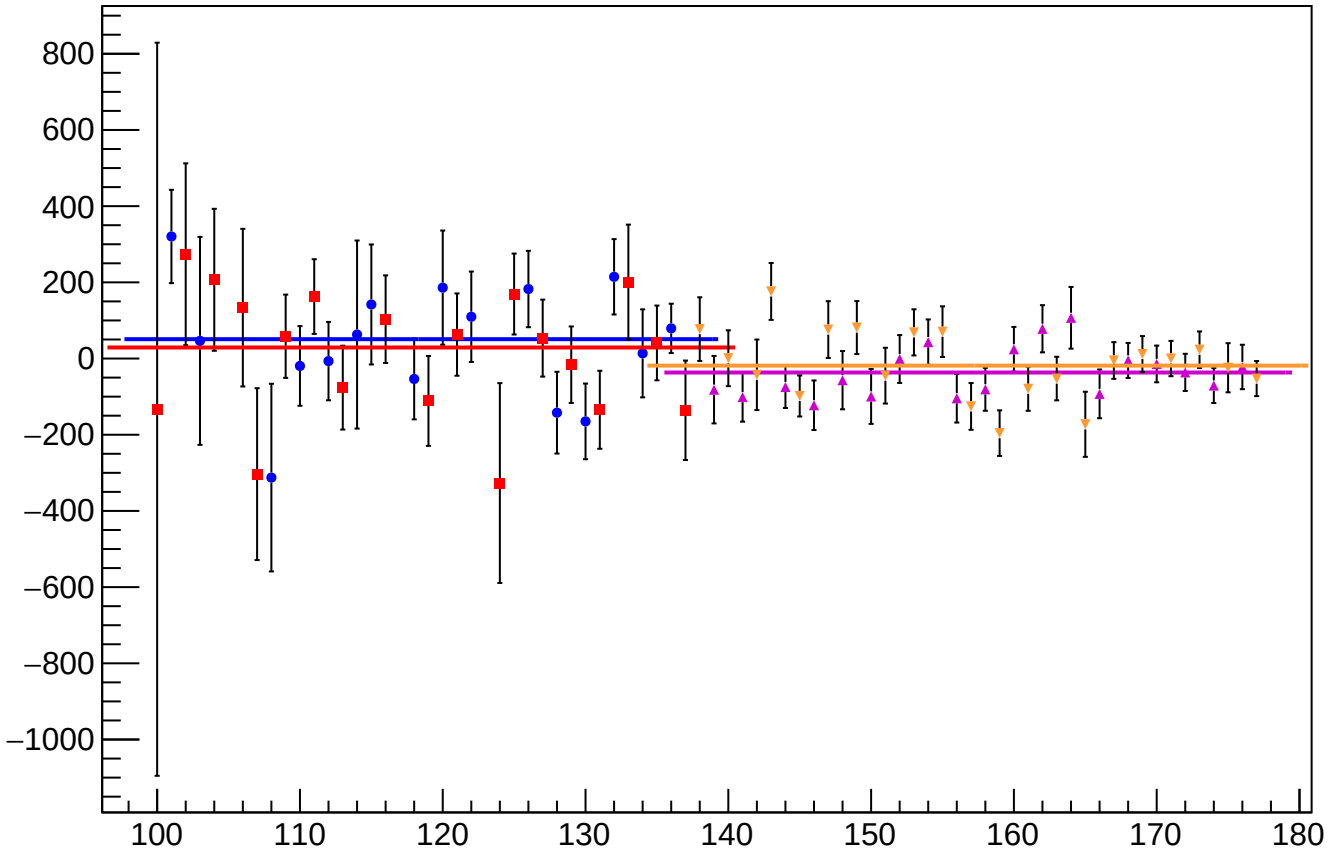
Left: 260.064+/-0.034 χ^2/NDF: 5450163.2/39

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 283.338+/-0.046 χ^2/NDF:7587030.6/34

Out: 292.326+/-0.046 χ^2/NDF:7683079.3/39

All: 287.849+/-0.033 χ^2/NDF: 15288958.5/74



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -18.540+/-13.100 χ^2/NDF:36.6/20

Right Out: 29.040+/-28.910 χ^2/NDF: 18.5/18

Left In: -36.649+/-13.568 χ^2/NDF:17.9/18

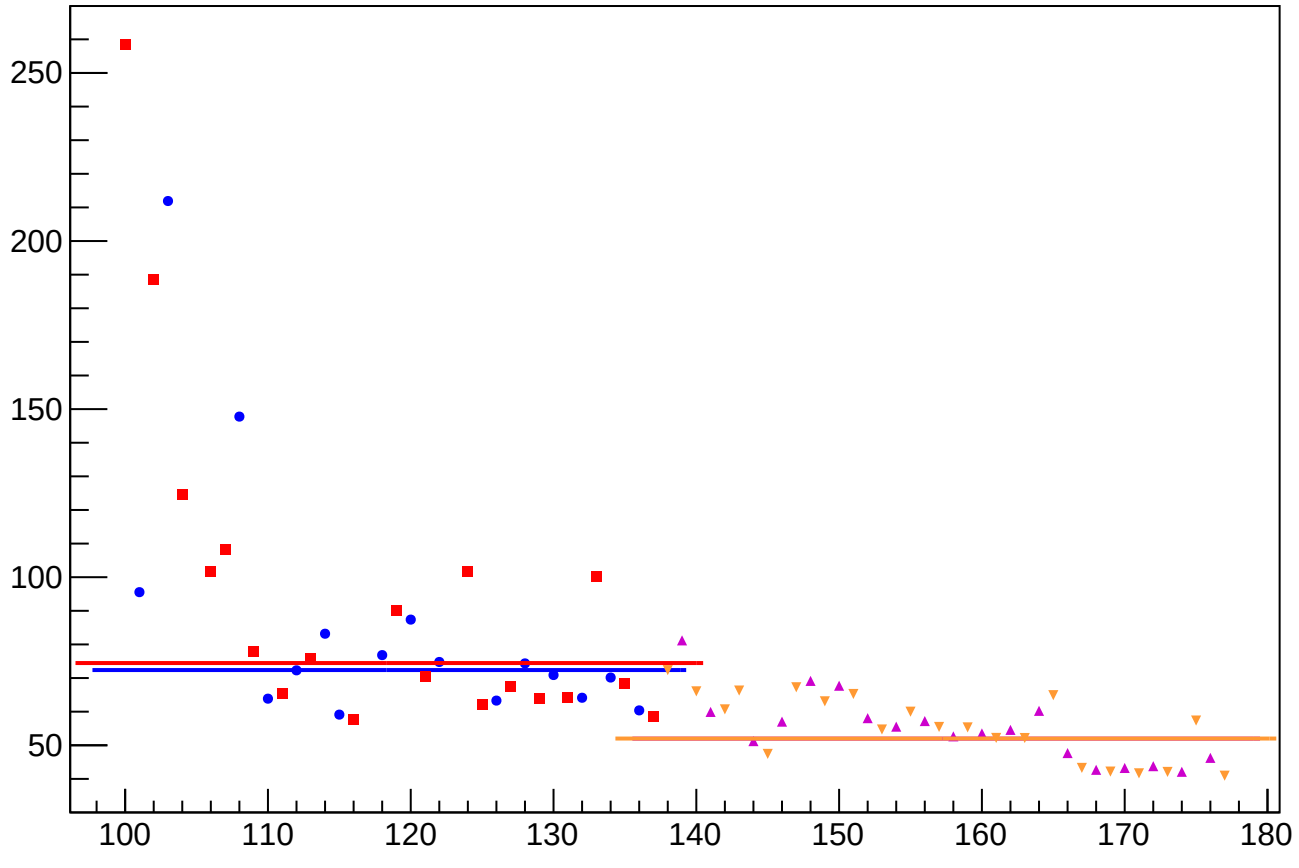
Left: -27.277+/-9.424 χ^2/NDF: 55.4/39

Right: 40.166+/-20.229 χ^2/NDF: 41.7/34

In: -20.313+/-12.236 χ^2/NDF:48.5/34

Out: -10.435+/-11.932 χ^2/NDF:57.4/39

All: -15.250+/-8.543 χ^2/NDF: 106.2/74



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 52.004+/-0.009 χ^2/NDF:1056140.6/20

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 51.978+/-0.010 χ^2/NDF:846269.9/18

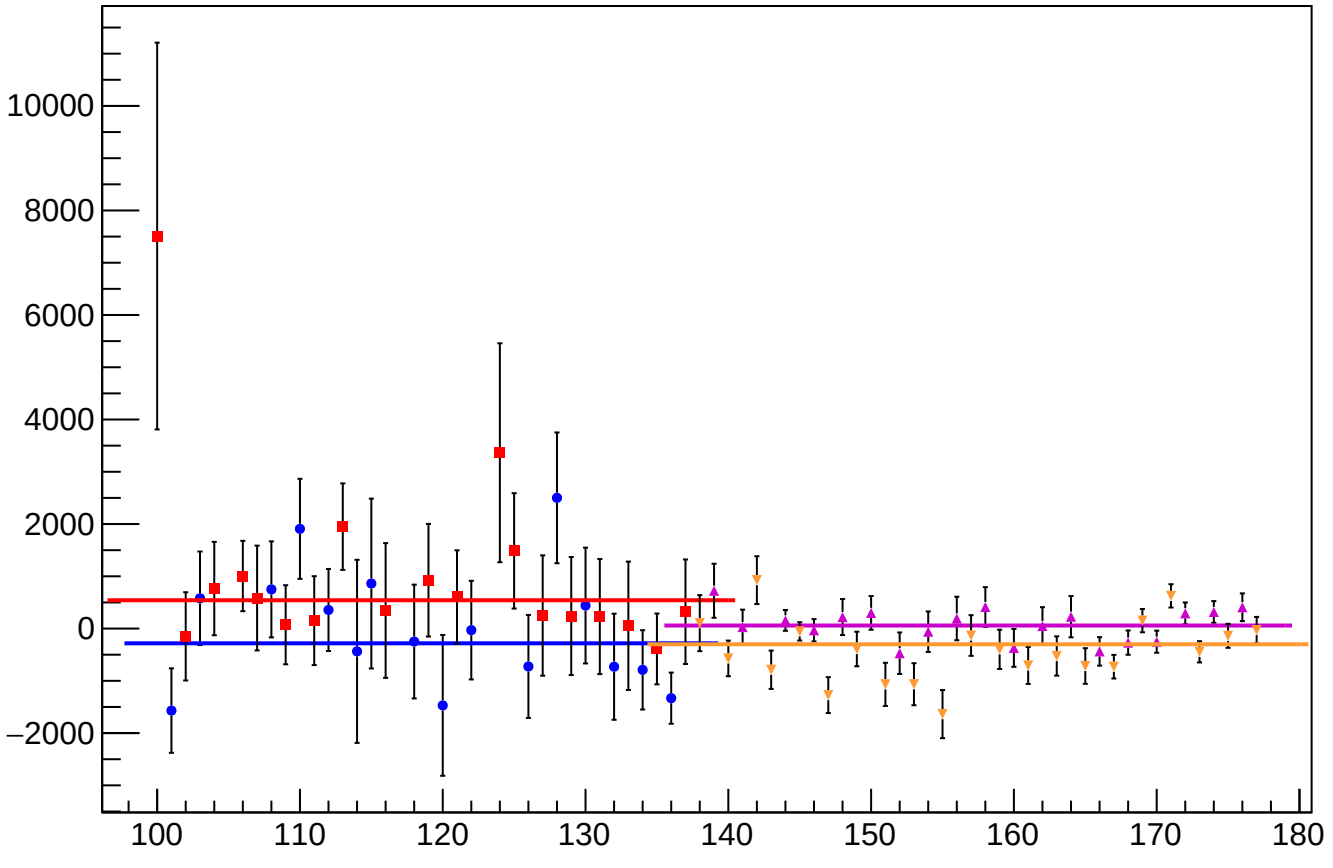
Left: 51.992+/-0.007 χ^2/NDF: 1902414.4/39

Right: 73.399+/-0.014 χ^2/NDF: 1995784.4/34

In: 55.787+/-0.009 χ^2/NDF:2628647.7/34

Out: 55.830+/-0.008 χ^2/NDF:3109874.0/39

All: 55.809+/-0.006 χ^2/NDF: 5738534.4/74



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -300.458+/-63.553 χ^2/NDF:66.3/20

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 58.193+/-64.486 χ^2/NDF:19.3/18

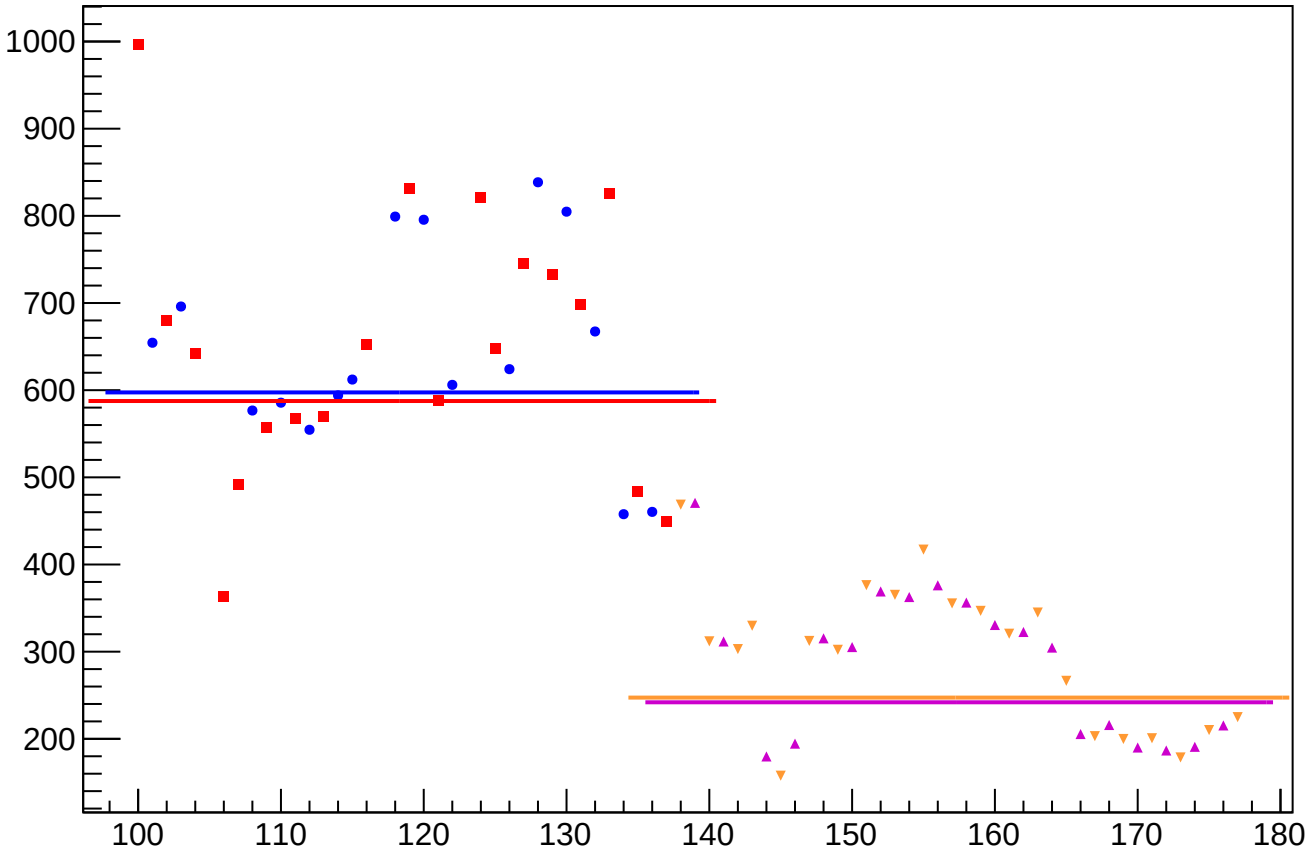
Left: -123.746+/-45.265 χ^2/NDF: 101.3/39

Right: 142.636+/-158.581 χ^2/NDF: 42.8/34

In: 32.949+/-62.048 χ^2/NDF:44.2/34

Out: -236.057+/-61.076 χ^2/NDF:93.0/39

All: -103.677+/-43.527 χ^2/NDF: 146.7/74



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 247.315+/-0.045 χ^2/NDF:2904236.7/20

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

Left In: 241.921+/-0.046 χ^2/NDF:2464940.6/18

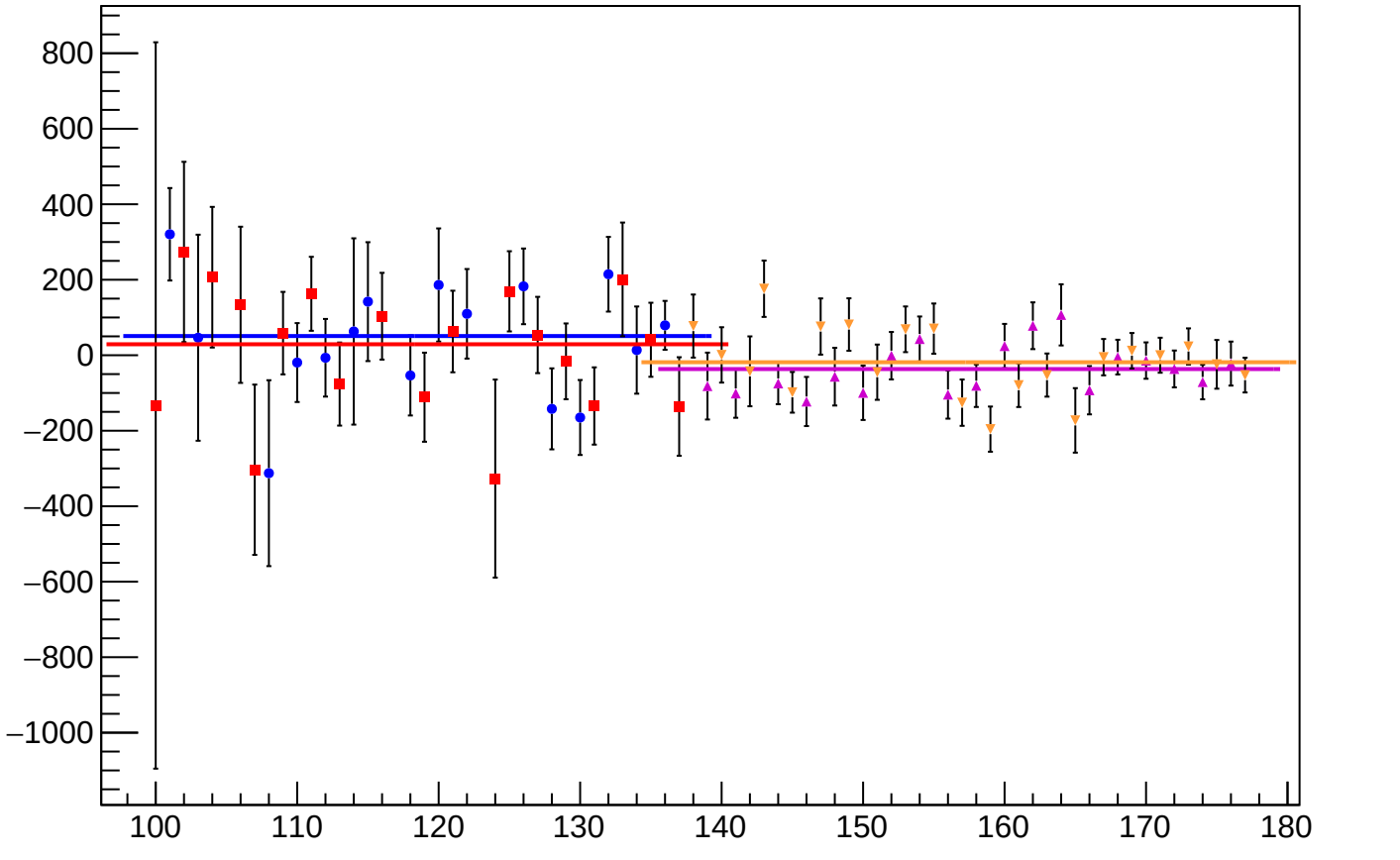
Left: 244.657+/-0.032 χ^2/NDF: 5376276.6/39

Right: 592.350+/-0.112 χ^2/NDF: 1224764.0/34

In: 268.299+/-0.044 χ^2/NDF:7509014.0/34

Out: 273.325+/-0.043 χ^2/NDF:7975377.0/39

All: 270.852+/-0.031 χ^2/NDF: 15491054.3/74



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -18.539+/-13.100 χ^2/NDF:36.6/20

Right Out: 29.038+/-28.910 χ^2/NDF: 18.5/18

Left In: -36.649+/-13.568 χ^2/NDF:17.9/18

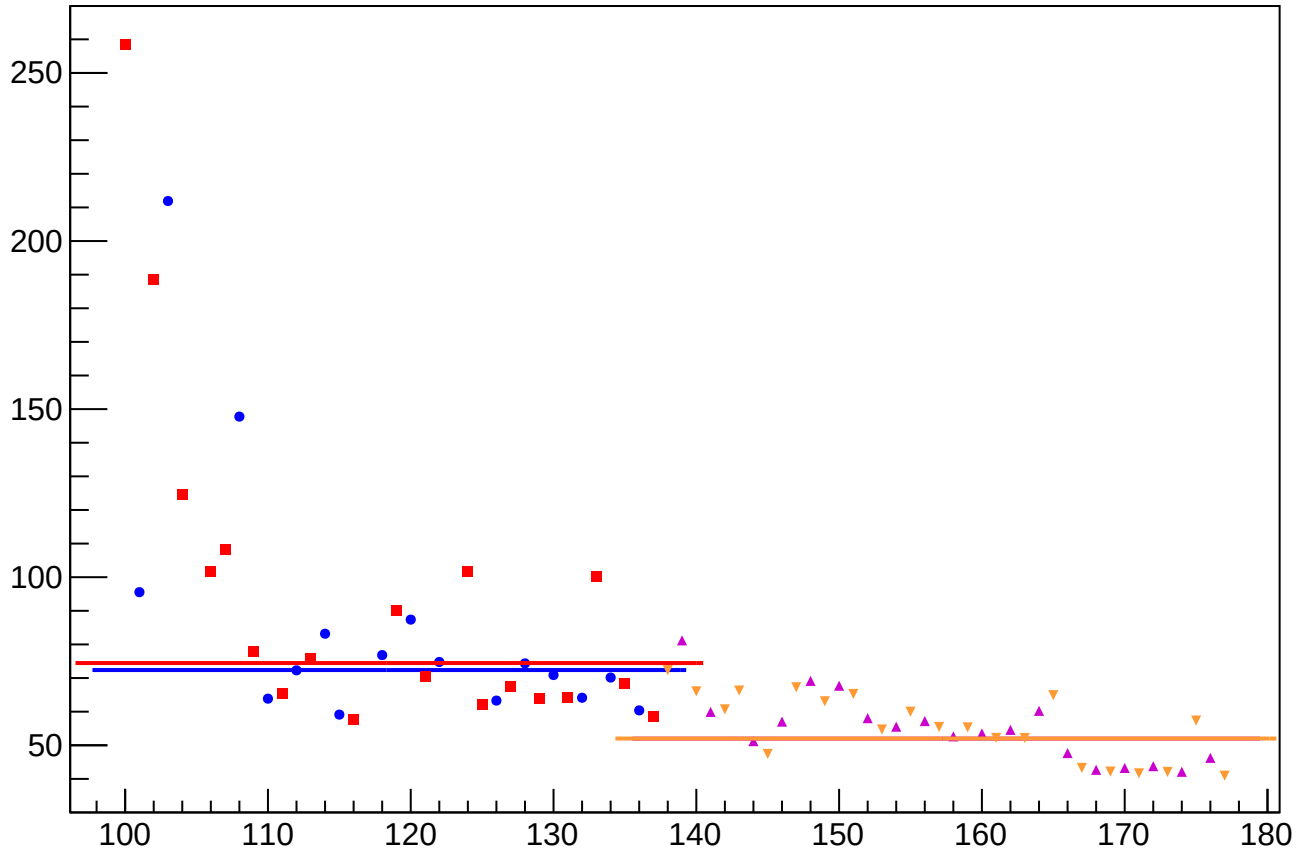
Left: -27.277+/-9.424 χ^2/NDF: 55.4/39

Right: 40.165+/-20.229 χ^2/NDF: 41.7/34

In: -20.313+/-12.236 χ^2/NDF:48.5/34

Out: -10.434+/-11.932 χ^2/NDF:57.4/39

All: -15.249+/-8.543 χ^2/NDF: 106.2/74



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 52.004+/-0.009 χ^2/NDF:1056168.3/20

Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 51.978+/-0.010 χ^2/NDF:846279.7/18

Left: 51.992+/-0.007 χ^2/NDF: 1902451.8/39

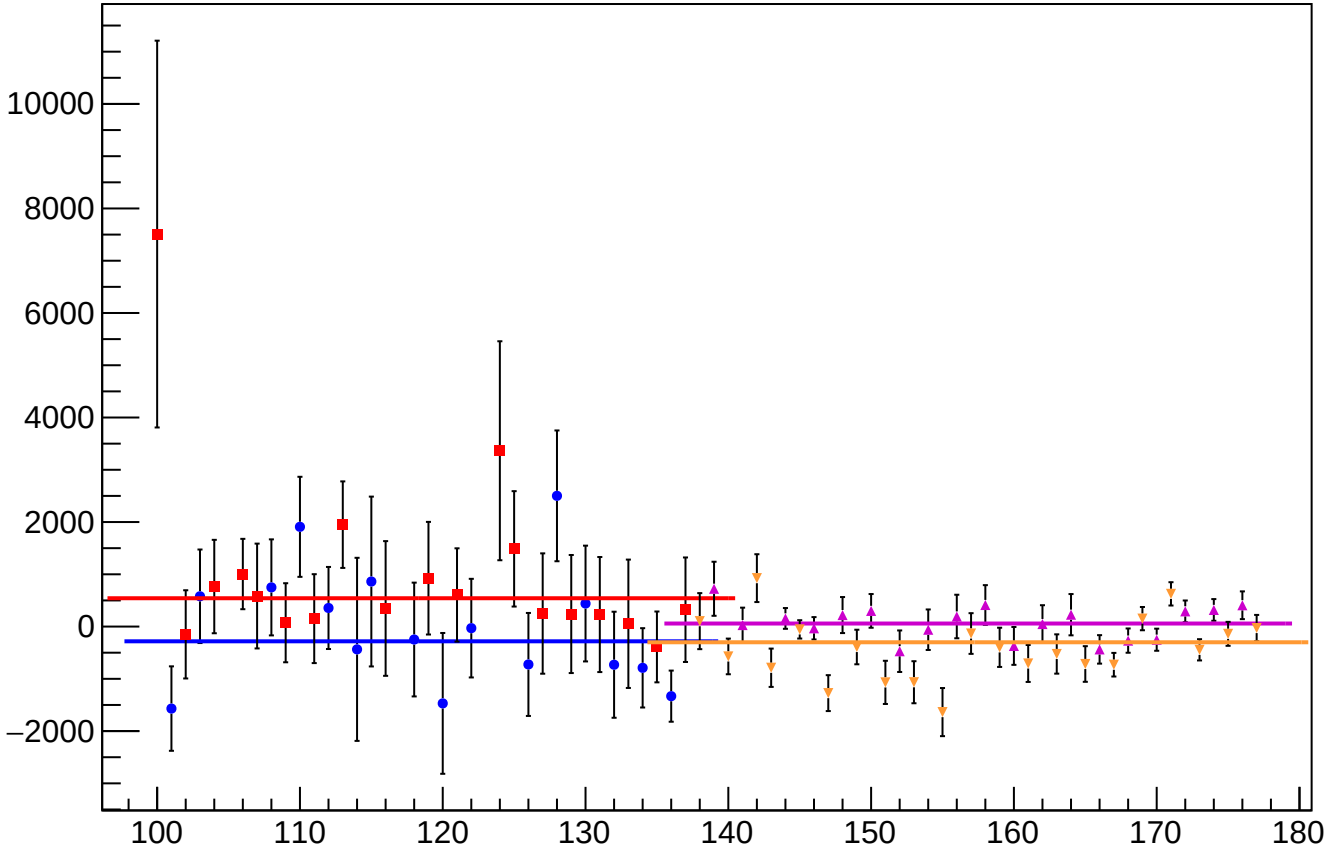
Right: 73.399+/-0.014 χ^2/NDF: 1995782.9/34

In: 55.787+/-0.009 χ^2/NDF:2628645.0/34

Out: 55.830+/-0.008 χ^2/NDF:3109883.3/39

All: 55.809+/-0.006 χ^2/NDF: 5738541.0/74

asym_sam_37_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -300.458+/-63.553 χ^2/NDF:66.3/20

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 58.193+/-64.486 χ^2/NDF:19.3/18

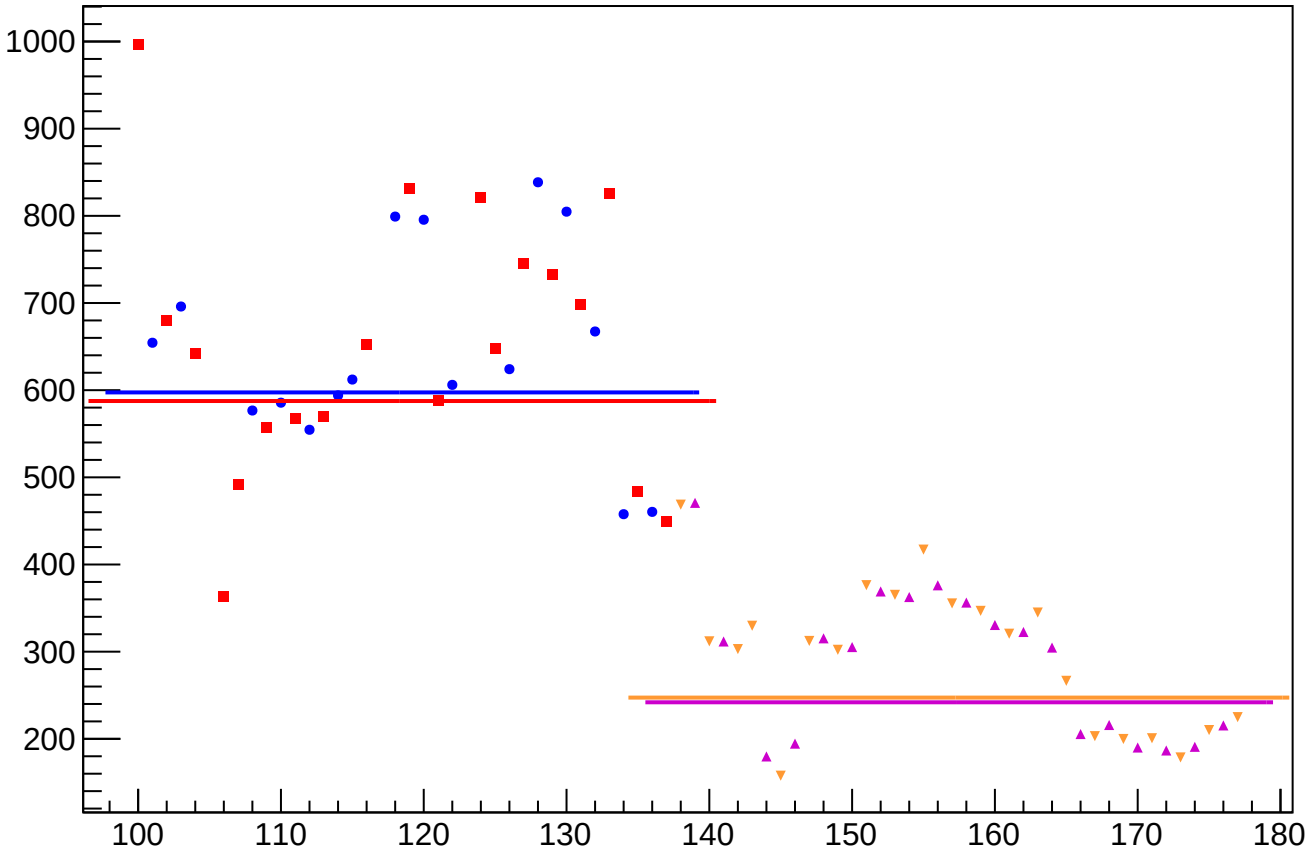
Left: -123.746+/-45.265 χ^2/NDF: 101.3/39

Right: 142.637+/-158.581 χ^2/NDF: 42.8/34

In: 32.949+/-62.048 χ^2/NDF:44.2/34

Out: -236.057+/-61.076 χ^2/NDF:93.0/39

All: -103.677+/-43.527 χ^2/NDF: 146.7/74



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 247.315+/-0.045 χ^2/NDF:2904226.5/20

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

Left In: 241.920+/-0.046 χ^2/NDF:2464934.1/18

Left: 244.657+/-0.032 χ^2/NDF: 5376260.1/39

Right: 592.350+/-0.112 χ^2/NDF: 1224760.1/34

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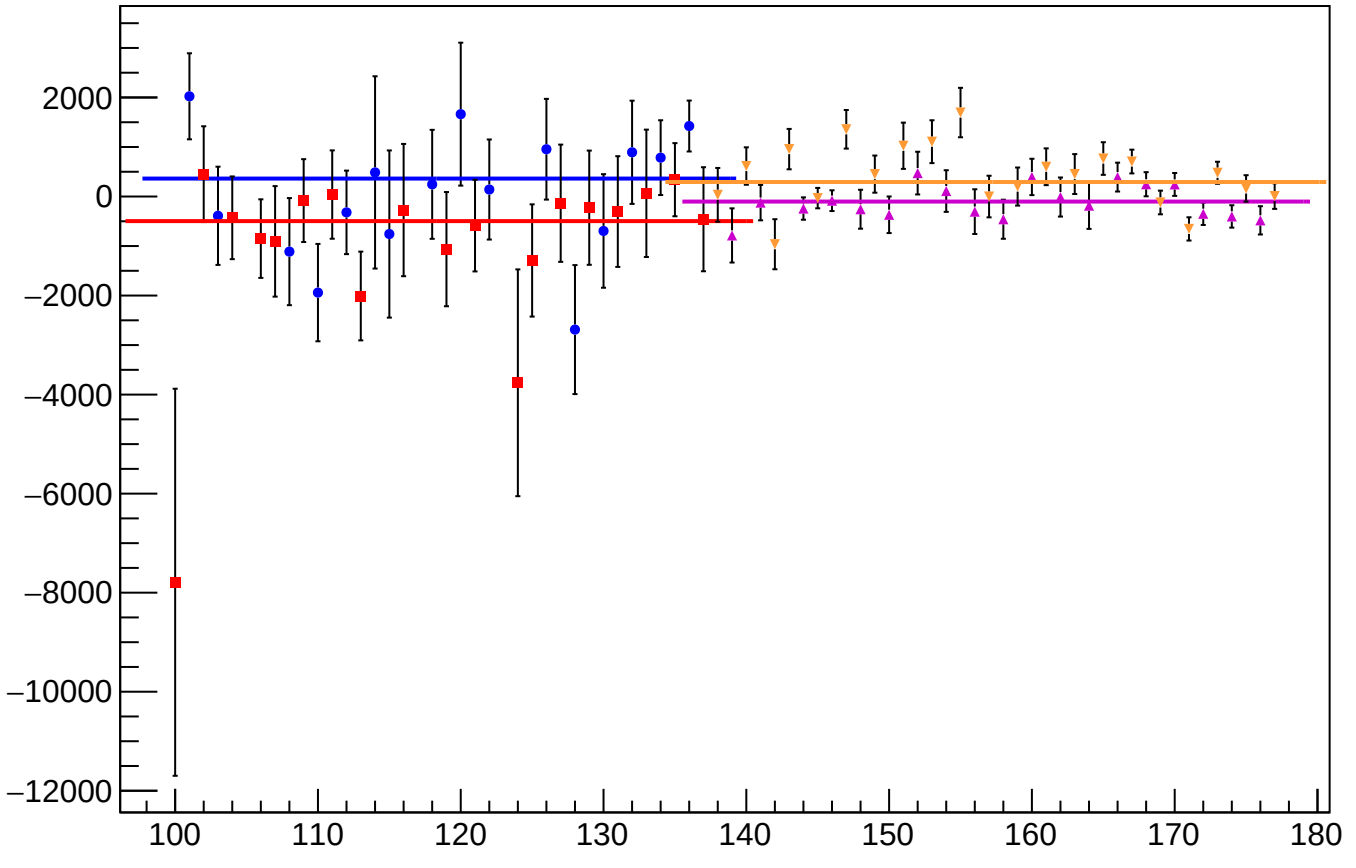
Out: 273.324+/-0.043 χ^2/NDF:7975365.5/39

All: 270.851+/-0.031 χ^2/NDF: 15491045.0/74



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 293.346+/-69.205 χ^2/NDF:61.7/20

Right Out: -496.639+/-236.029 χ^2/NDF: 12.7/18

Left In: -102.053+/-69.523 χ^2/NDF:19.5/18

Left: 96.555+/-49.047 χ^2/NDF: 97.4/39

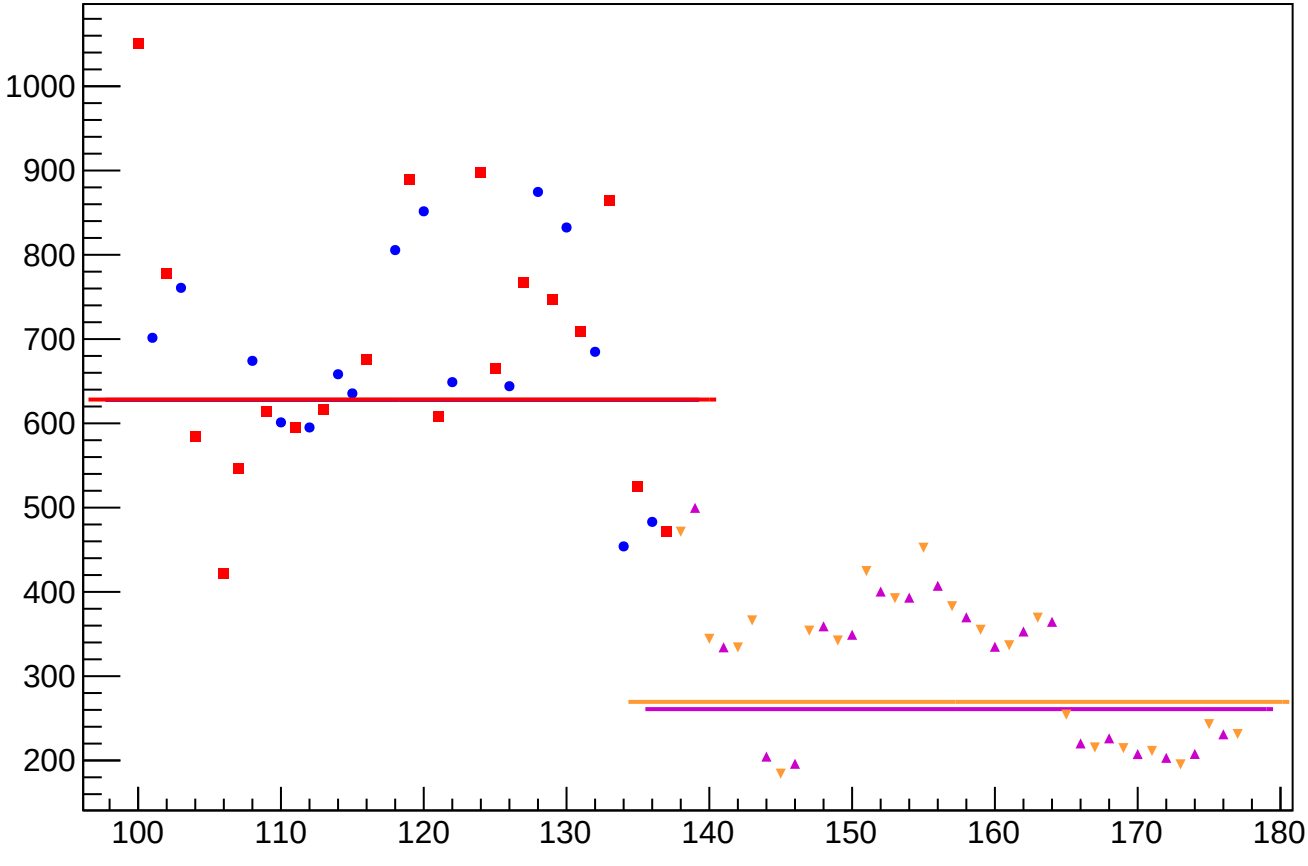
Right: -74.835+/-168.388 χ^2/NDF: 44.3/34

In: -66.181+/-66.785 χ^2/NDF:48.0/34

Out: 230.808+/-66.409 χ^2/NDF:84.7/39

All: 83.151+/-47.090 χ^2/NDF: 142.6/74

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 269.497+/-0.049 χ^2/NDF:2715834.3/20

Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 260.917+/-0.049 χ^2/NDF:2527448.3/18

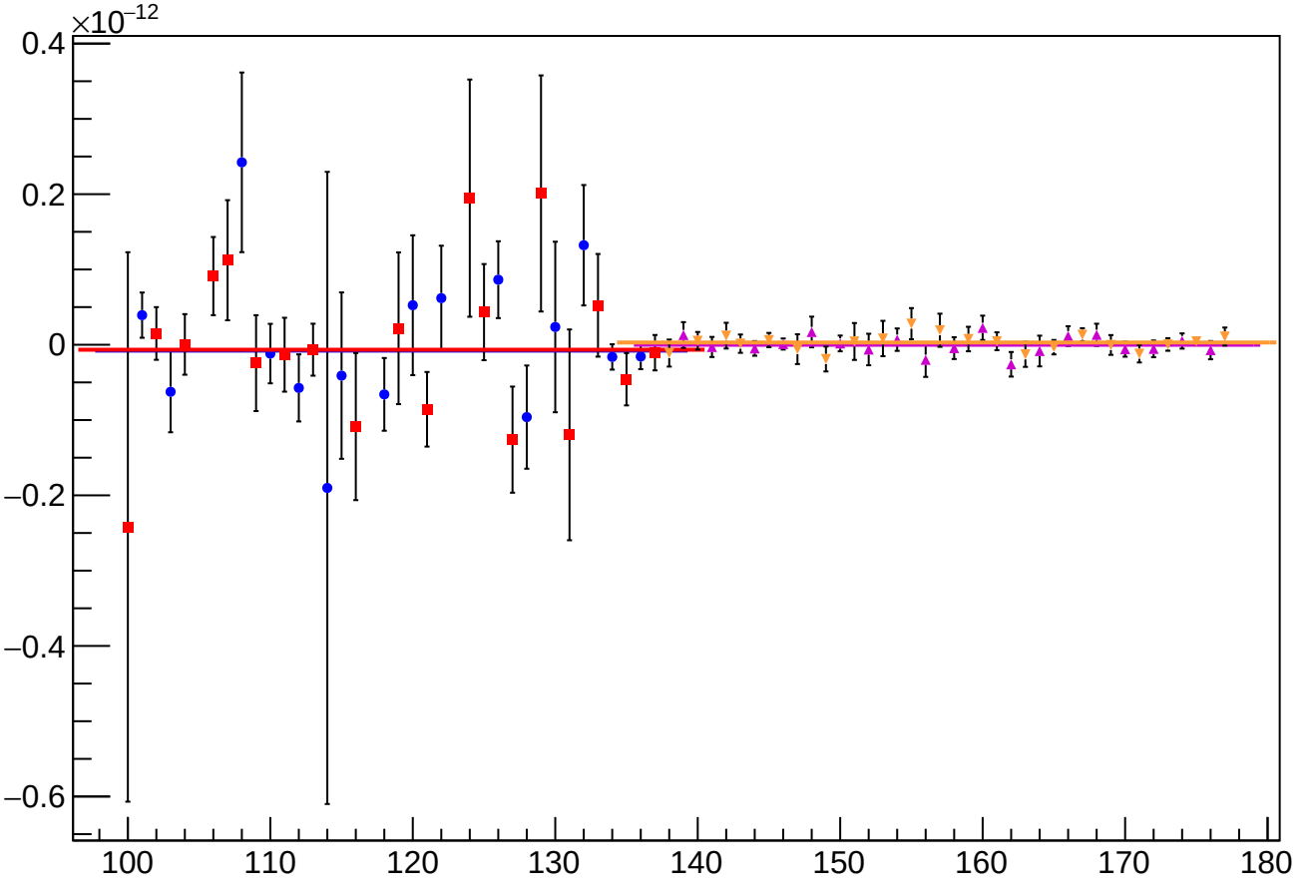
Left: 265.226+/-0.035 χ^2/NDF: 5258582.6/39

Right: 628.076+/-0.119 χ^2/NDF: 1137777.3/34

In: 289.262+/-0.047 χ^2/NDF:7398361.3/34

Out: 297.897+/-0.047 χ^2/NDF:7541568.5/39

All: 293.603+/-0.033 χ^2/NDF: 14956742.4/74



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.2/20

Right Out: -0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: 0.000+/-0.000 χ^2/NDF:10.2/18

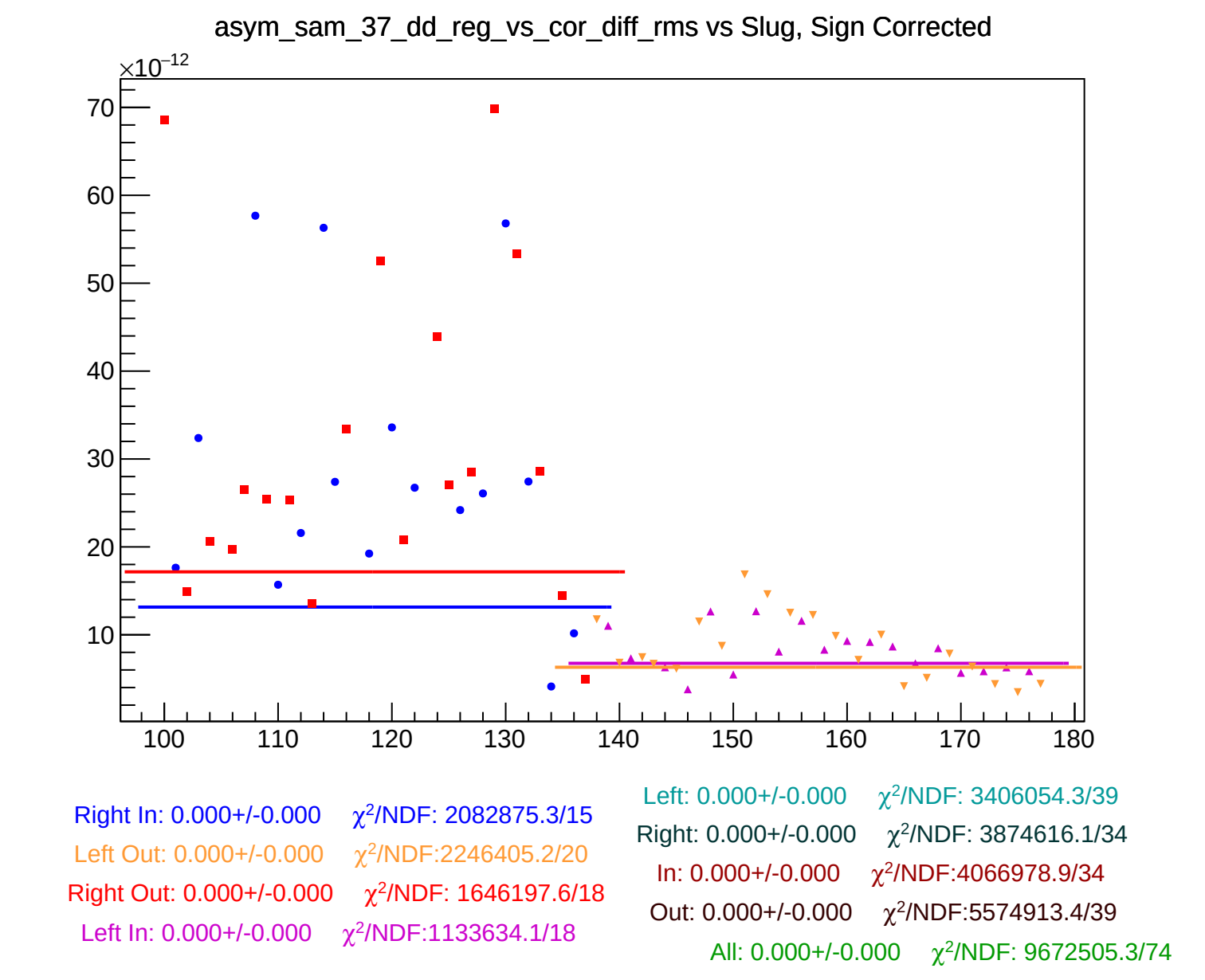
Left: 0.000+/-0.000 χ^2/NDF: 20.9/39

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:31.7/34

Out: 0.000+/-0.000 χ^2/NDF:30.8/39

All: 0.000+/-0.000 χ^2/NDF: 63.3/74


asym_sam_37_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
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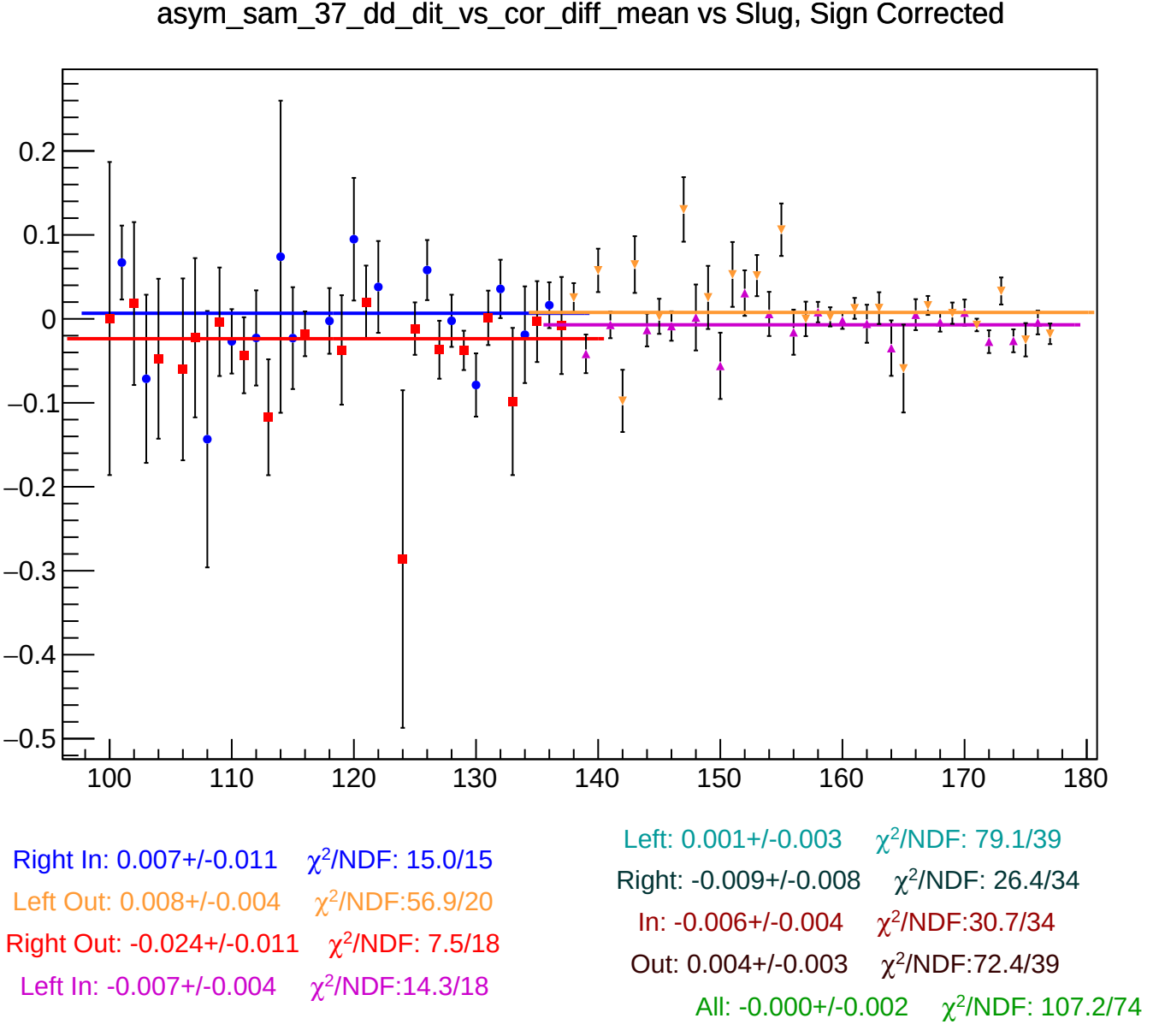
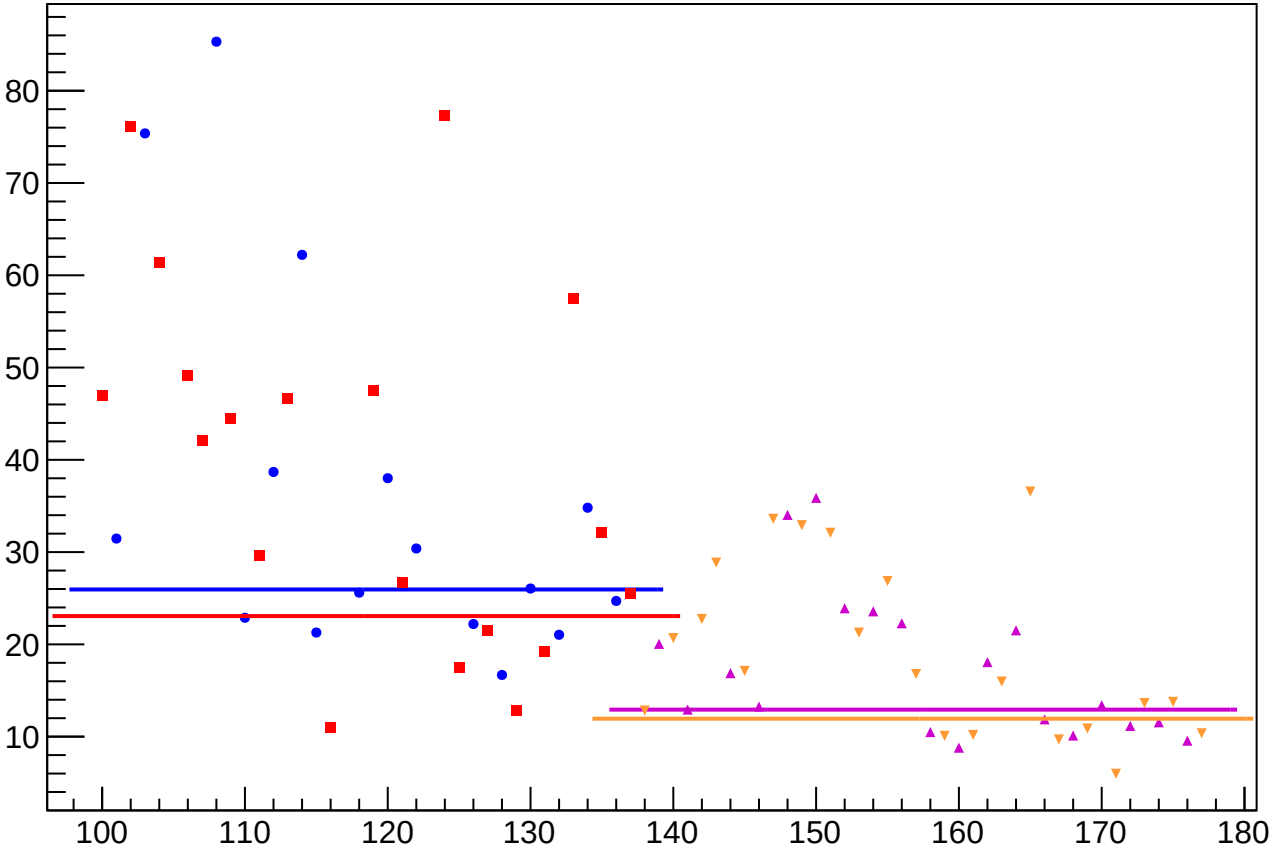
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2082875.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2246405.2/20
Right Out: 0.000+/-0.000 χ²/NDF: 1646197.6/18
Left In: 0.000+/-0.000 χ²/NDF:1133634.1/18
Left: 0.000+/-0.000 χ²/NDF: 3406054.3/39
Right: 0.000+/-0.000 χ²/NDF: 3874616.1/34
In: 0.000+/-0.000 χ²/NDF:4066978.9/34
Out: 0.000+/-0.000 χ²/NDF:5574913.4/39
All: 0.000+/-0.000 χ²/NDF: 9672505.3/74


asym_sam_37_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
160
170
180
Right In: 0.007+/-0.011 χ²/NDF: 15.0/15
Left Out: 0.008+/-0.004 χ²/NDF:56.9/20
Right Out: -0.024+/-0.011 χ²/NDF: 7.5/18
Left In: -0.007+/-0.004 χ²/NDF:14.3/18
Left: 0.001+/-0.003 χ²/NDF: 79.1/39
Right: -0.009+/-0.008 χ²/NDF: 26.4/34
In: -0.006+/-0.004 χ²/NDF:30.7/34
Out: 0.004+/-0.003 χ²/NDF:72.4/39
All: -0.000+/-0.002 χ²/NDF: 107.2/74

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 11.946+/-0.003 χ^2/NDF:5749351.1/20

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 12.928+/-0.003 χ^2/NDF:3382872.8/18

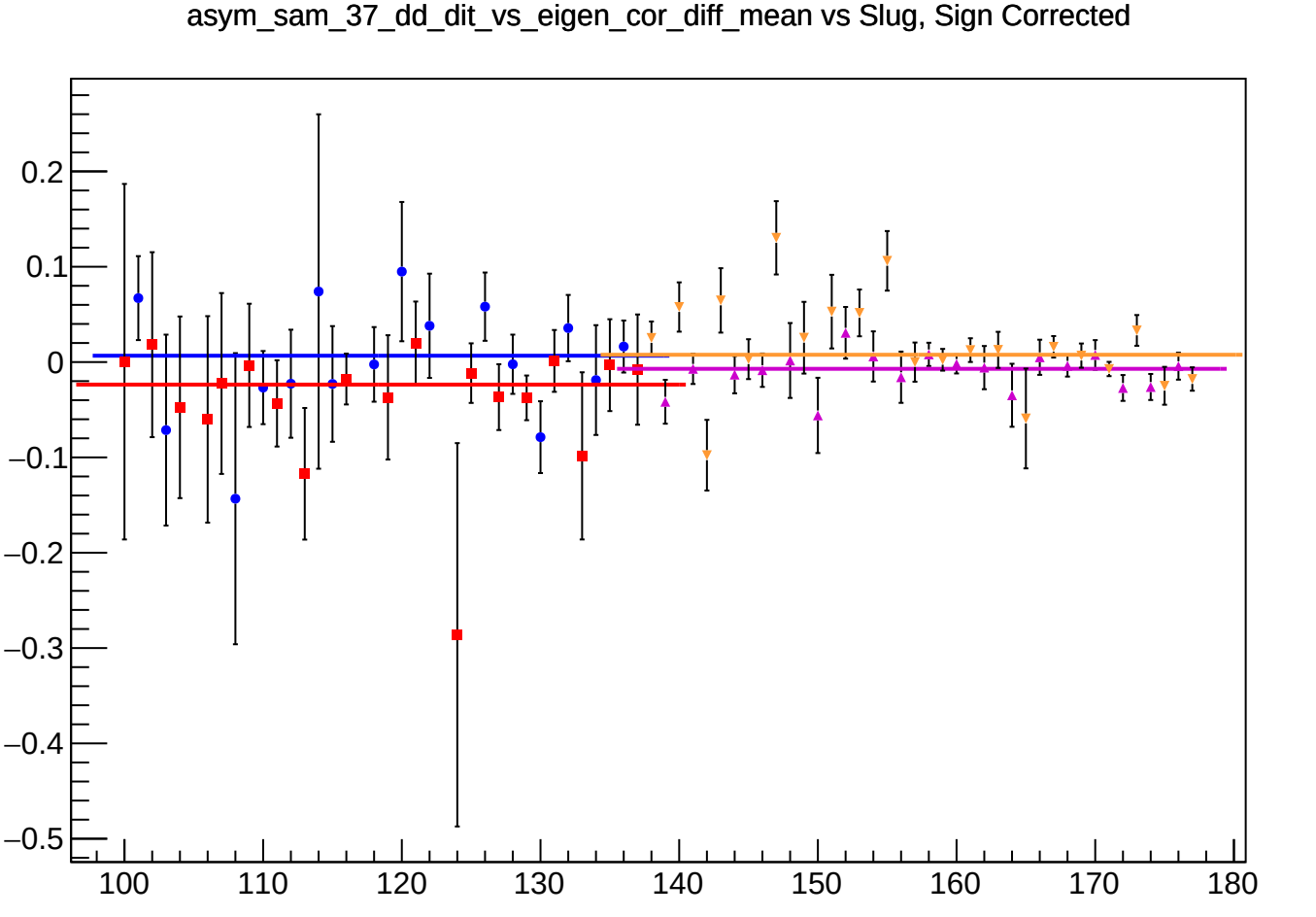
Left: 12.401+/-0.002 χ^2/NDF: 9201925.7/39

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 14.326+/-0.003 χ^2/NDF:7221544.4/34

Out: 13.103+/-0.002 χ^2/NDF:11118942.7/39

All: 13.671+/-0.002 χ^2/NDF: 18461582.0/74



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.004 χ^2/NDF:56.9/20

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.007+/-0.004 χ^2/NDF:14.3/18

Left: 0.001+/-0.003 χ^2/NDF: 79.1/39

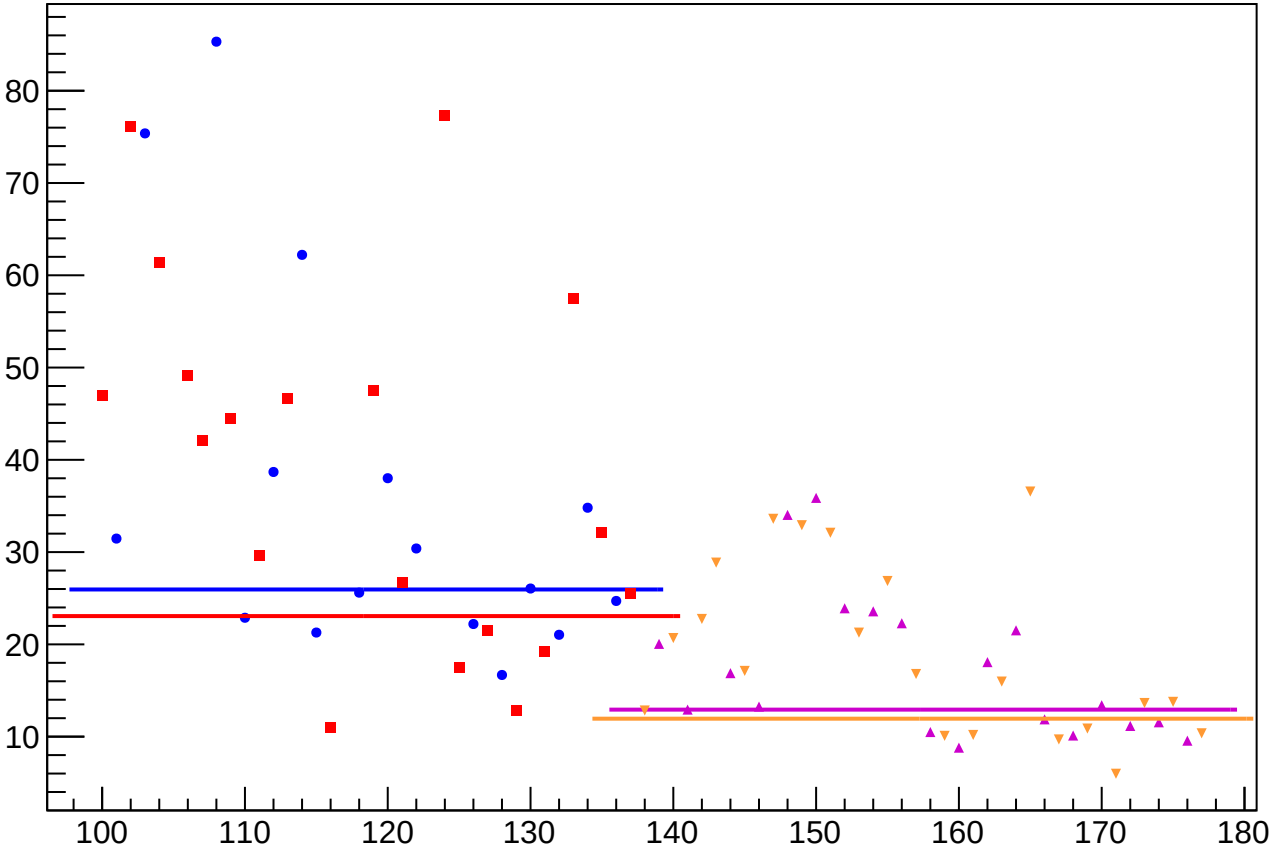
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.006+/-0.004 χ^2/NDF:30.7/34

Out: 0.004+/-0.003 χ^2/NDF:72.4/39

All: -0.000+/-0.002 χ^2/NDF: 107.2/74

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: 11.946+/-0.003 χ^2/NDF:5749351.1/20

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 12.928+/-0.003 χ^2/NDF:3382872.8/18

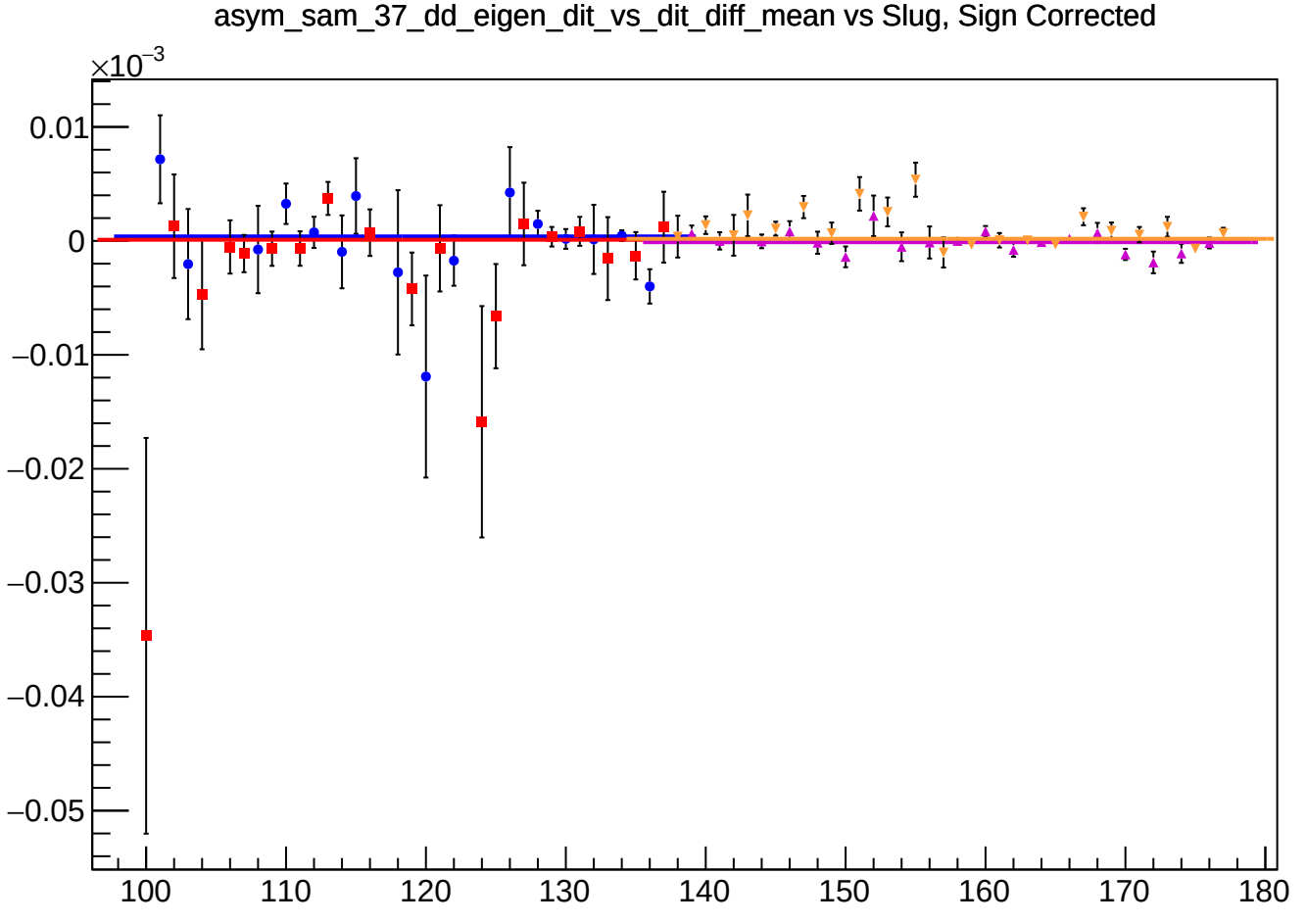
Left: 12.401+/-0.002 χ^2/NDF: 9201925.7/39

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 14.326+/-0.003 χ^2/NDF:7221544.4/34

Out: 13.103+/-0.002 χ^2/NDF:11118942.7/39

All: 13.671+/-0.002 χ^2/NDF: 18461582.0/74



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:59.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

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

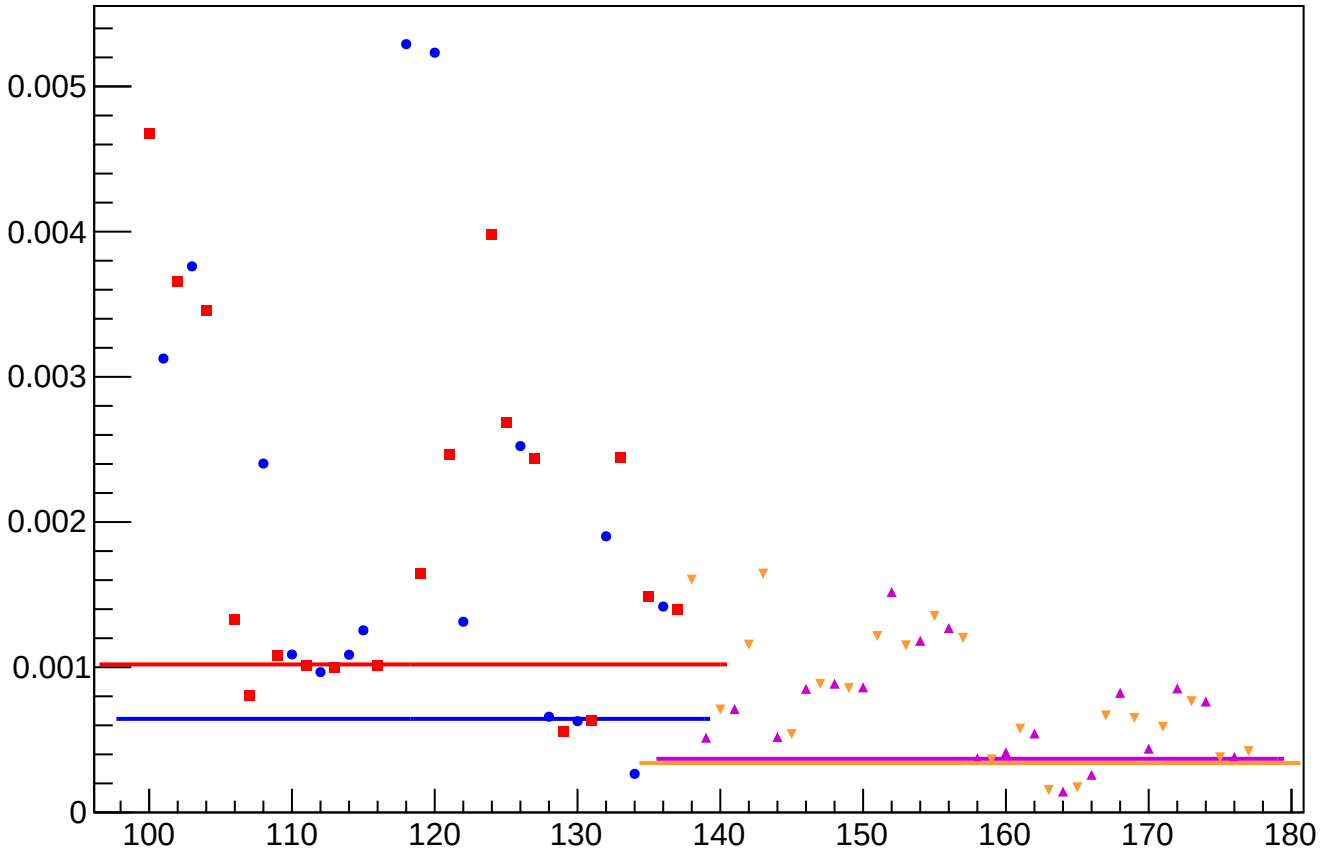
Left: 0.000+/-0.000 χ^2/NDF: 85.9/39

Right: 0.000+/-0.000 χ^2/NDF: 41.6/34

In: -0.000+/-0.000 χ^2/NDF:45.5/34

Out: 0.000+/-0.000 χ^2/NDF:80.3/39

All: 0.000+/-0.000 χ^2/NDF: 128.2/74



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:12583263.9/20

Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

Left In: 0.000+/-0.000 χ^2/NDF:9599945.3/18

Left: 0.000+/-0.000 χ^2/NDF: 22249970.9/39

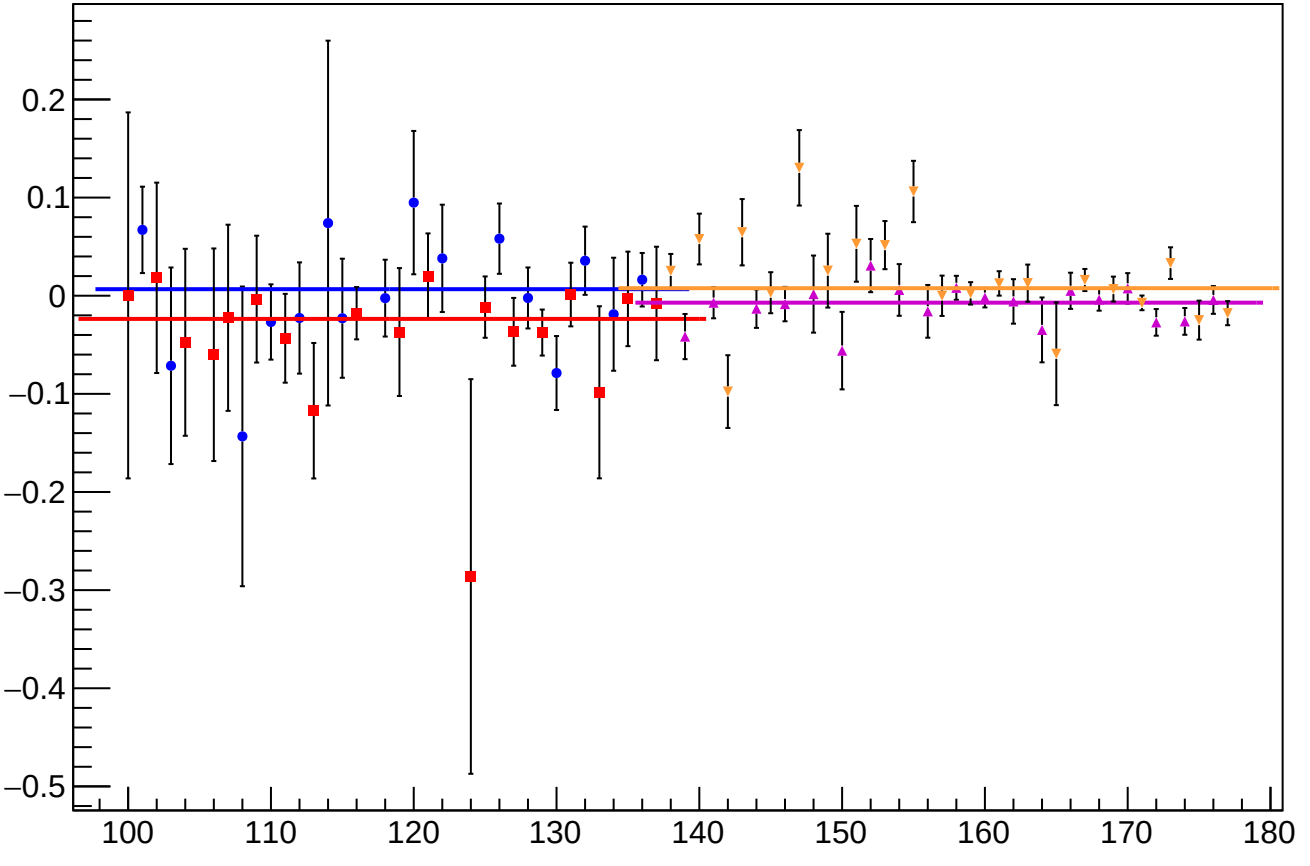
Right: 0.001+/-0.000 χ^2/NDF: 11121544.1/34

In: 0.000+/-0.000 χ^2/NDF:17342783.9/34

Out: 0.000+/-0.000 χ^2/NDF:20550822.5/39

All: 0.000+/-0.000 χ^2/NDF: 37933477.4/74

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.004 χ^2/NDF:56.9/20

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.007+/-0.004 χ^2/NDF:14.3/18

Left: 0.001+/-0.003 χ^2/NDF: 79.1/39

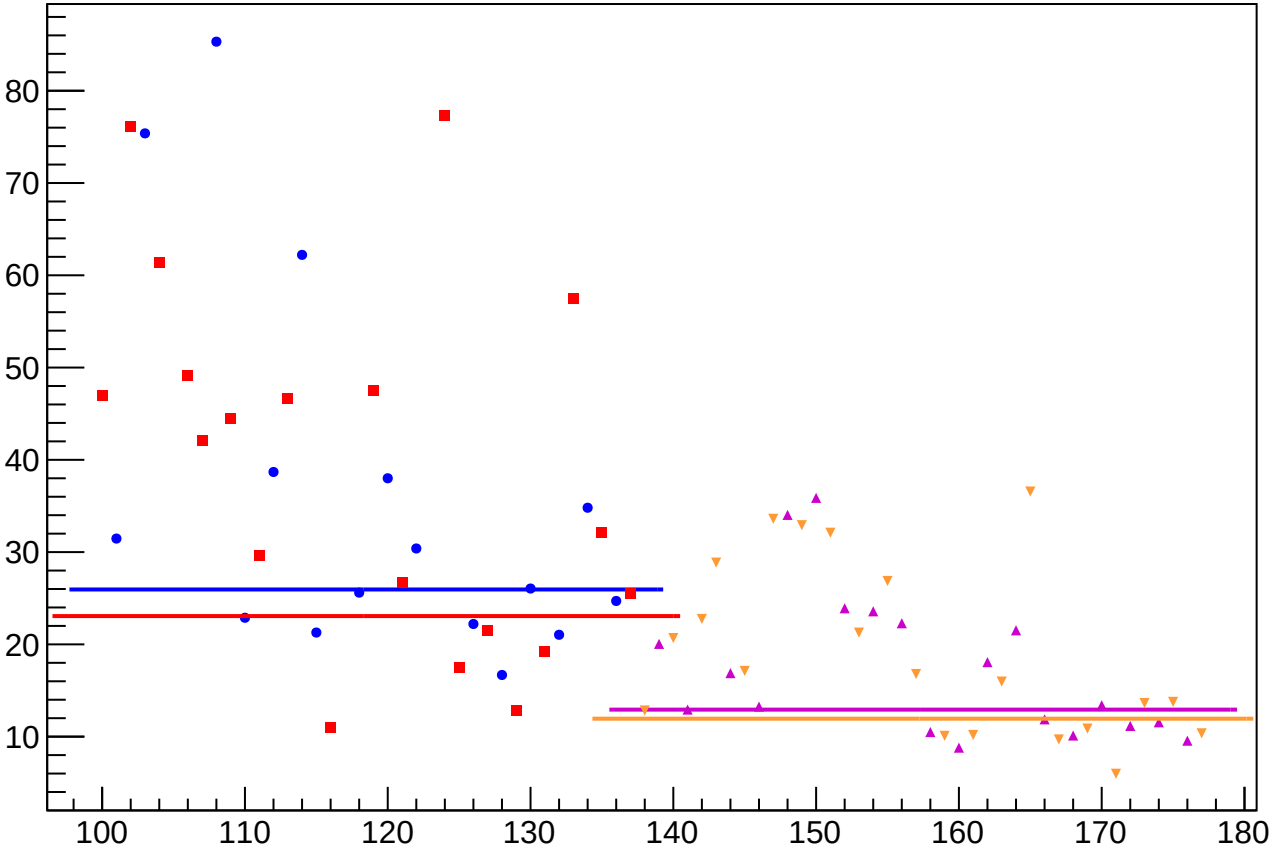
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.006+/-0.004 χ^2/NDF:30.7/34

Out: 0.004+/-0.003 χ^2/NDF:72.4/39

All: -0.000+/-0.002 χ^2/NDF: 107.2/74

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: 11.946+/-0.003 χ^2/NDF:5749582.9/20

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 12.928+/-0.003 χ^2/NDF:3383041.3/18

Left: 12.401+/-0.002 χ^2/NDF: 9202325.9/39

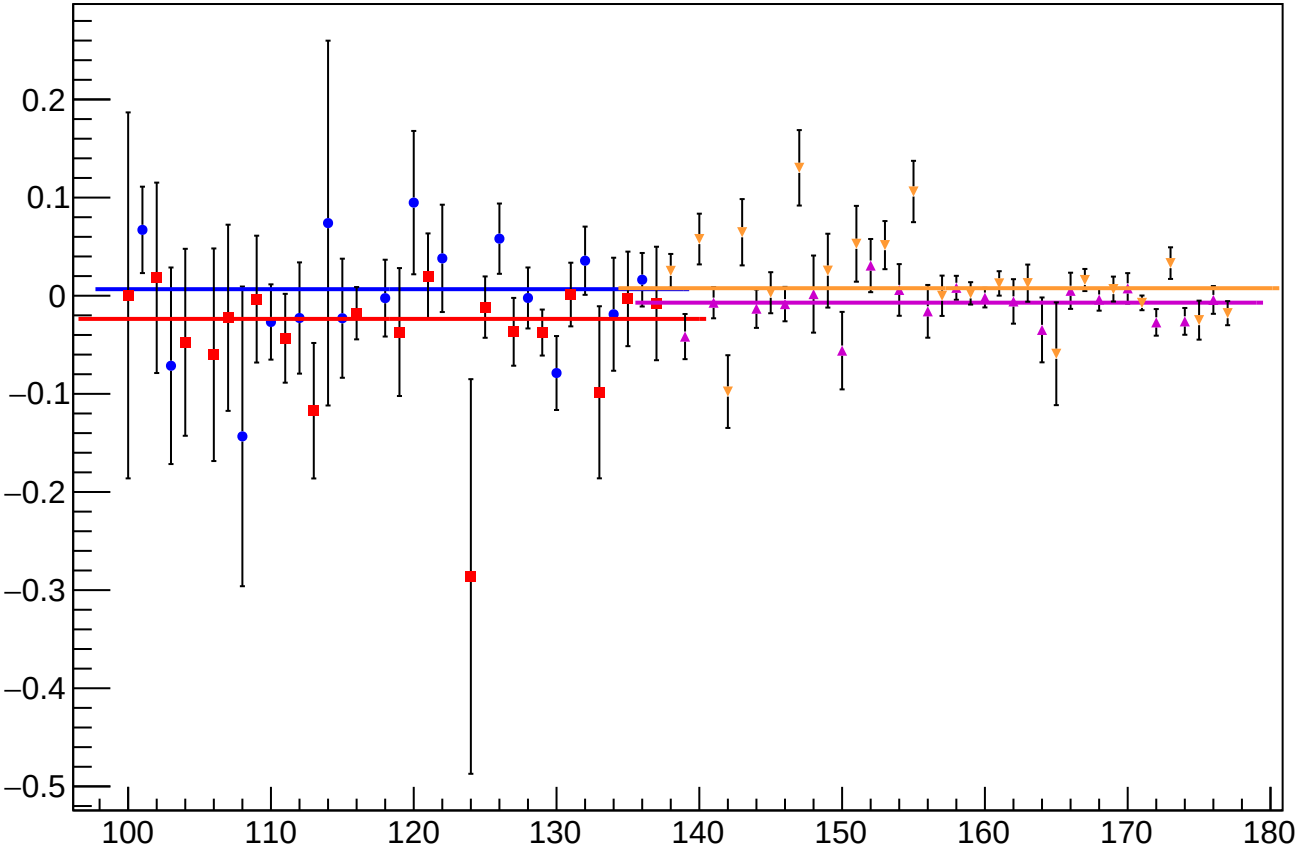
Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 14.326+/-0.003 χ^2/NDF:7221732.2/34

Out: 13.103+/-0.002 χ^2/NDF:11119112.8/39

All: 13.671+/-0.002 χ^2/NDF: 18461938.6/74

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.008+/-0.004 χ^2/NDF:56.9/20

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.007+/-0.004 χ^2/NDF:14.3/18

Left: 0.001+/-0.003 χ^2/NDF: 79.1/39

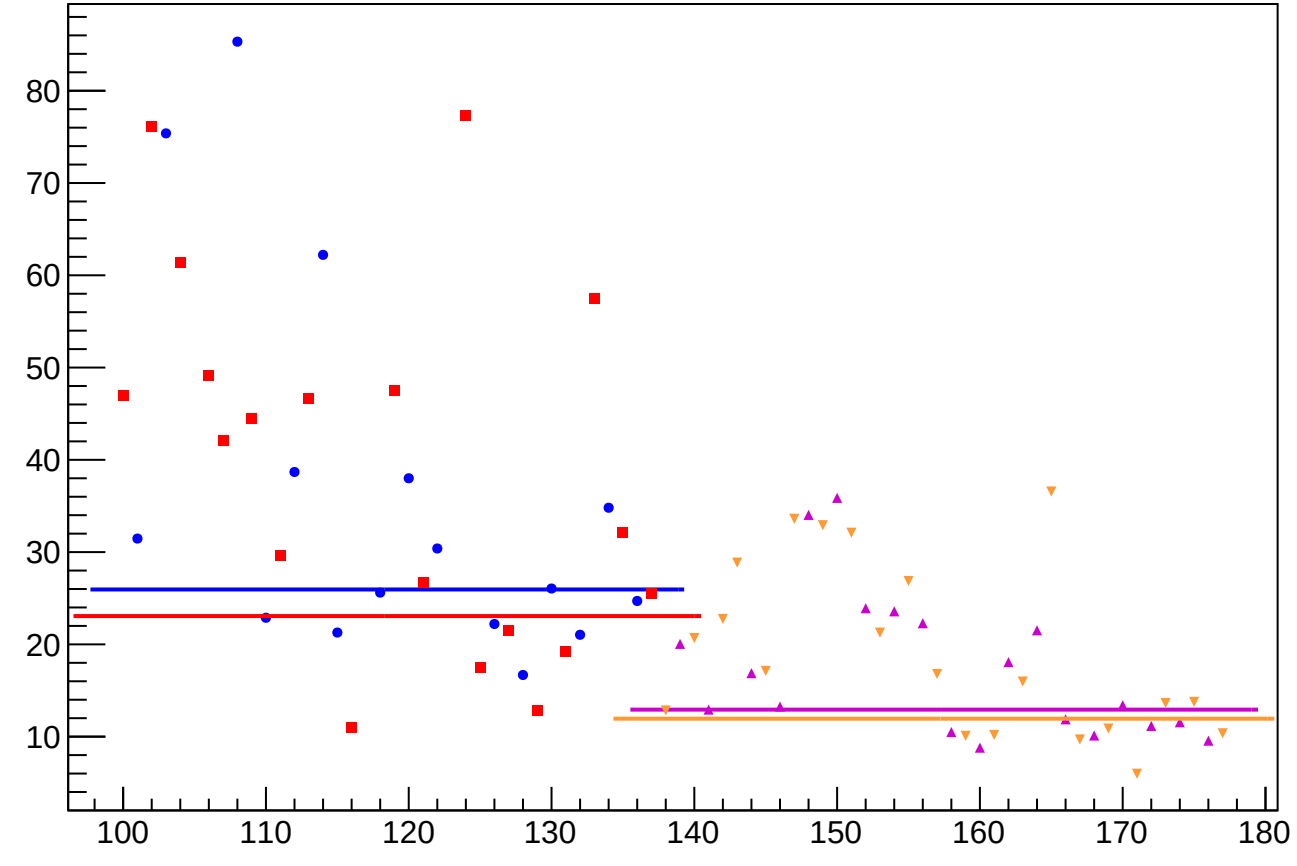
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.006+/-0.004 χ^2/NDF:30.7/34

Out: 0.004+/-0.003 χ^2/NDF:72.4/39

All: -0.000+/-0.002 χ^2/NDF: 107.2/74

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: 11.946+/-0.003 χ^2/NDF:5749582.9/20

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 12.928+/-0.003 χ^2/NDF:3383041.3/18

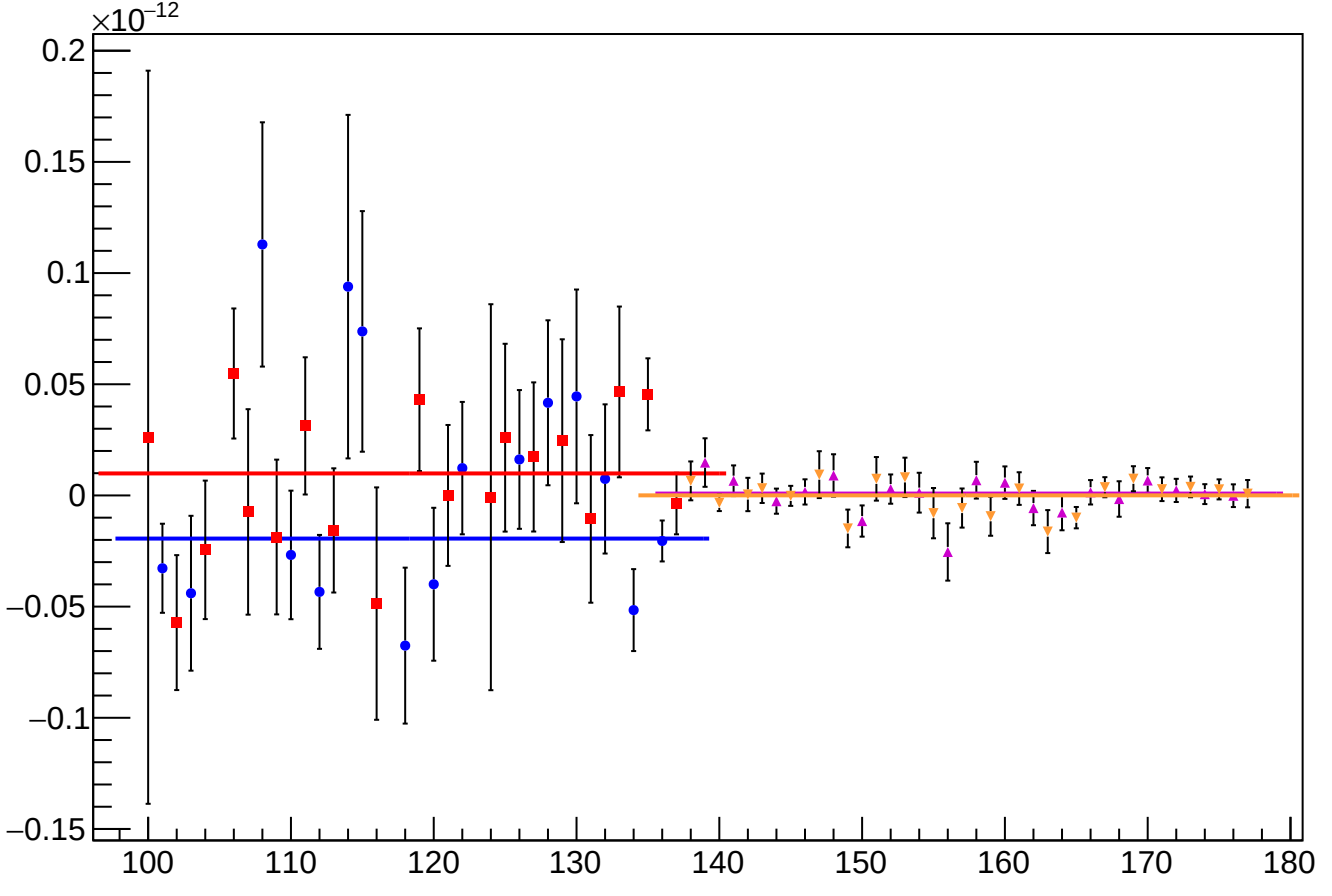
Left: 12.401+/-0.002 χ^2/NDF: 9202325.9/39

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 14.326+/-0.003 χ^2/NDF:7221732.2/34

Out: 13.103+/-0.002 χ^2/NDF:11119112.8/39

All: 13.671+/-0.002 χ^2/NDF: 18461938.6/74



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.0/20

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:14.9/18

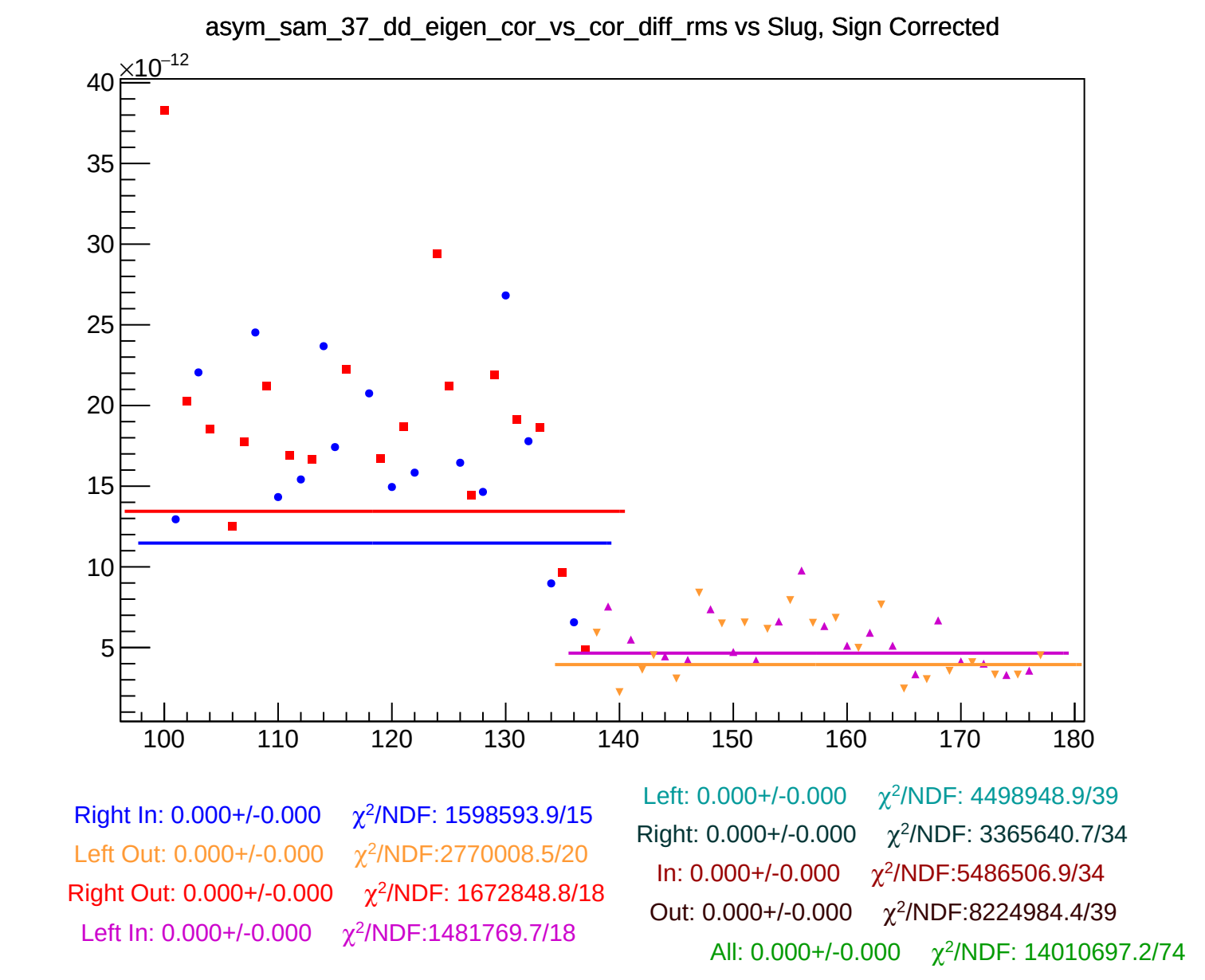
Left: 0.000+/-0.000 χ^2/NDF: 35.1/39

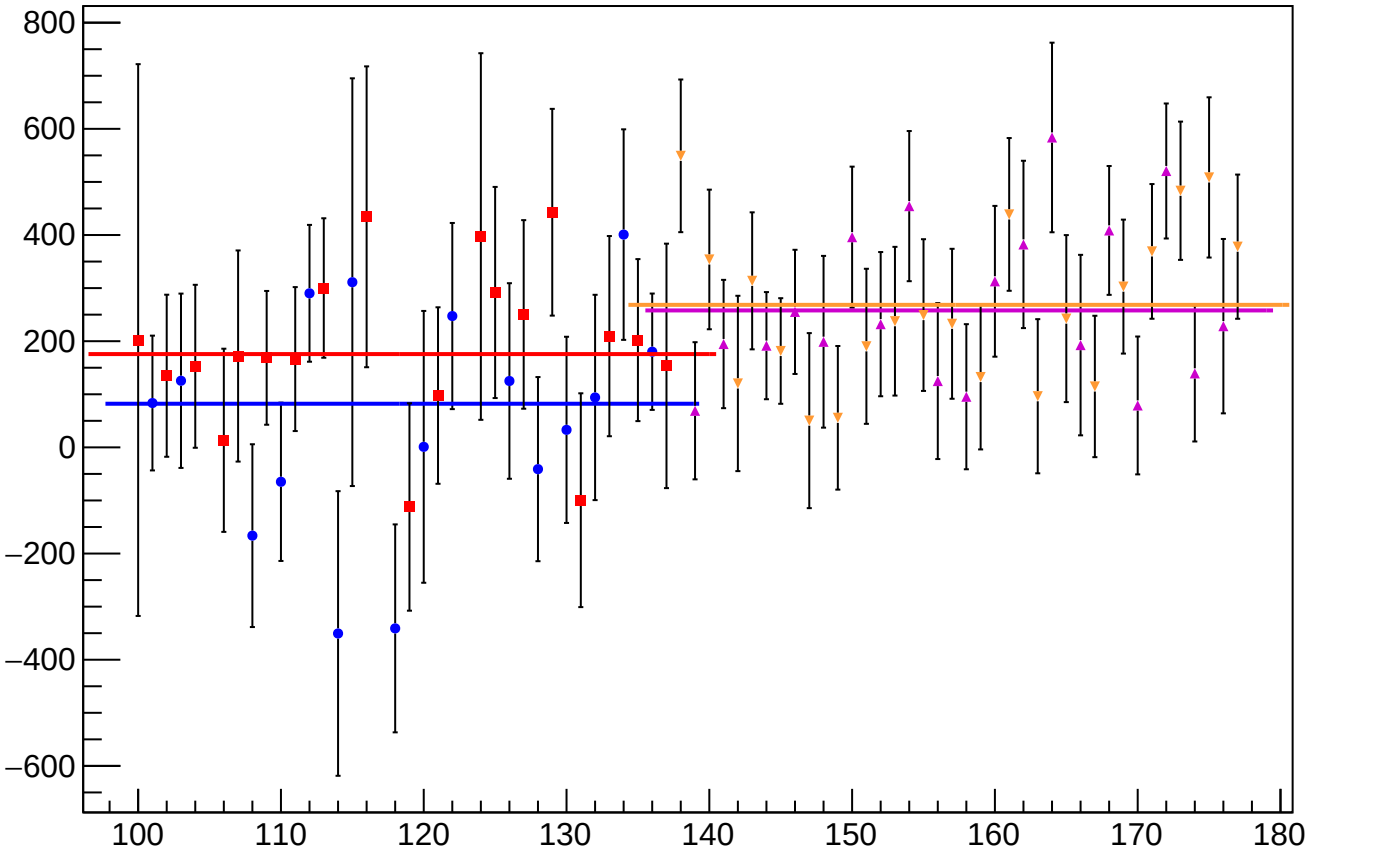
Right: -0.000+/-0.000 χ^2/NDF: 56.4/34

In: -0.000+/-0.000 χ^2/NDF:51.2/34

Out: 0.000+/-0.000 χ^2/NDF:42.4/39

All: 0.000+/-0.000 χ^2/NDF: 93.7/74


asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
40
35
30
25
20
15
10
5
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1598593.9/15
Left Out: 0.000+/-0.000 χ²/NDF:2770008.5/20
Right Out: 0.000+/-0.000 χ²/NDF: 1672848.8/18
Left In: 0.000+/-0.000 χ²/NDF:1481769.7/18
Left: 0.000+/-0.000 χ²/NDF: 4498948.9/39
Right: 0.000+/-0.000 χ²/NDF: 3365640.7/34
In: 0.000+/-0.000 χ²/NDF:5486506.9/34
Out: 0.000+/-0.000 χ²/NDF:8224984.4/39
All: 0.000+/-0.000 χ²/NDF: 14010697.2/74



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 268.474+/-29.870 χ^2/NDF:22.3/20

Right Out: 175.732+/-40.673 χ^2/NDF: 9.9/18

Left In: 257.947+/-30.988 χ^2/NDF:21.1/18

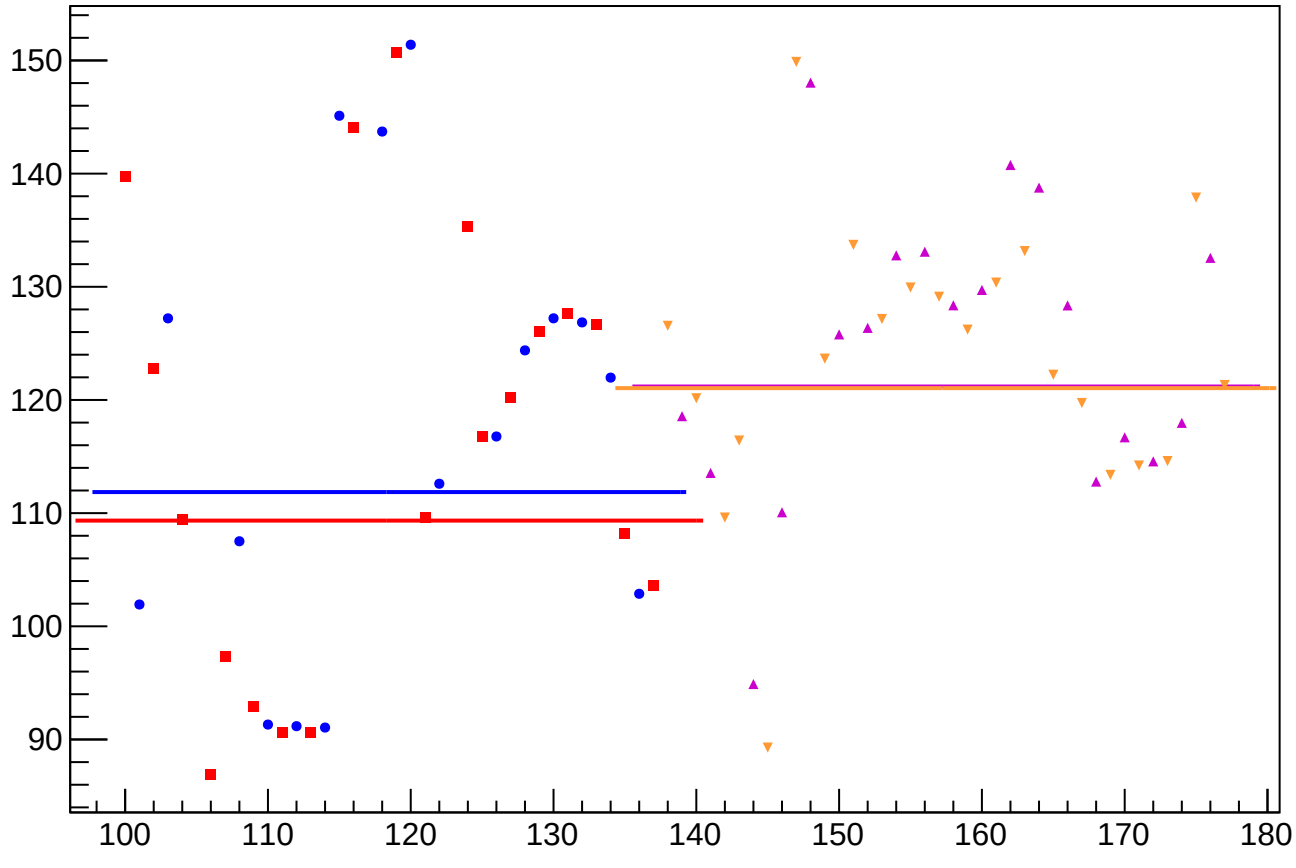
Left: 263.404+/-21.506 χ^2/NDF: 43.5/39

Right: 130.613+/-29.263 χ^2/NDF: 30.8/34

In: 196.251+/-24.963 χ^2/NDF:50.8/34

Out: 235.979+/-24.075 χ^2/NDF:35.6/39

All: 216.834+/-17.329 χ^2/NDF: 87.7/74



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 121.047+/-0.021 χ^2/NDF:382608.6/20

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

Left In: 121.190+/-0.022 χ^2/NDF:344315.9/18

Left: 121.116+/-0.015 χ^2/NDF: 726946.7/39

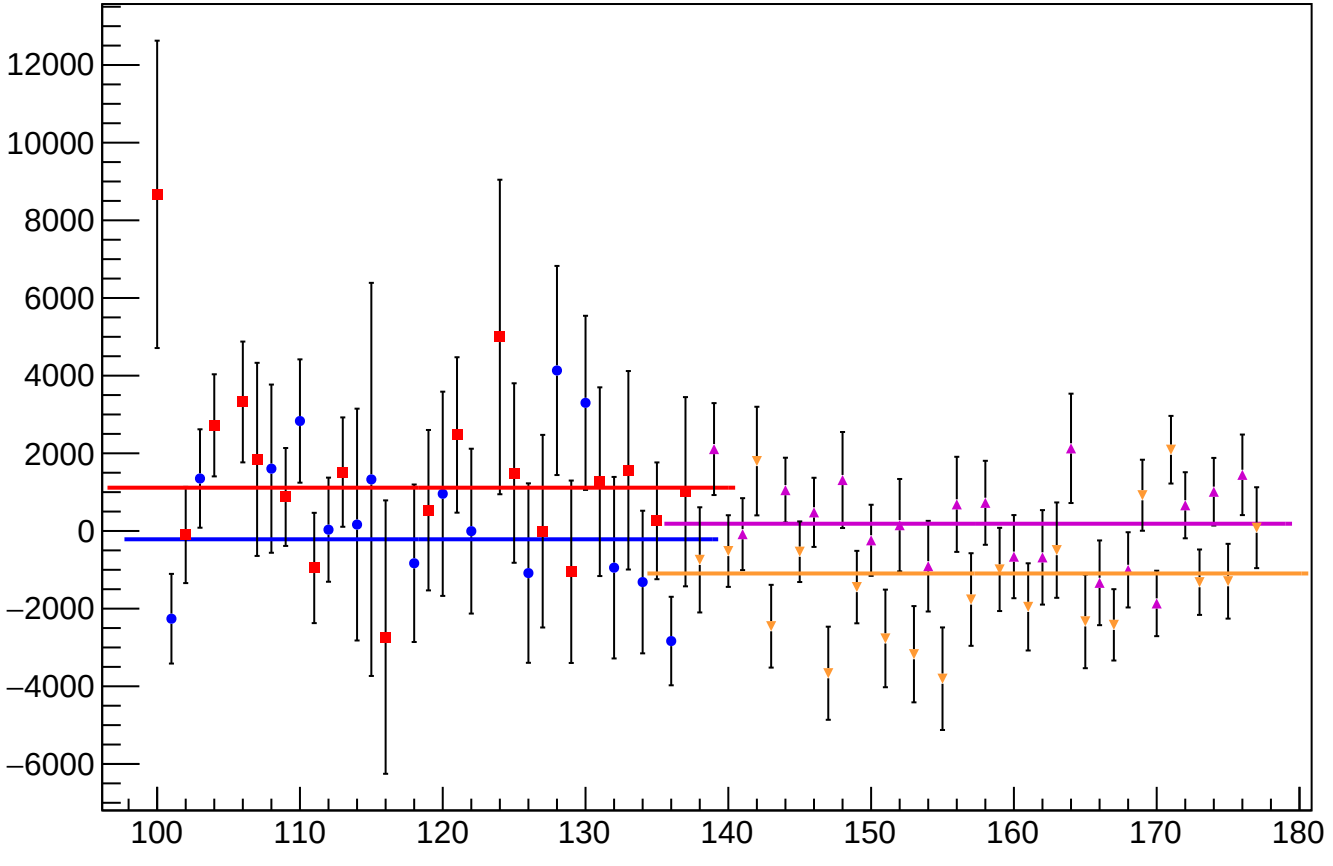
Right: 110.557+/-0.021 χ^2/NDF: 676952.3/34

In: 117.915+/-0.018 χ^2/NDF:713954.9/34

Out: 116.945+/-0.017 χ^2/NDF:857456.2/39

All: 117.413+/-0.012 χ^2/NDF: 1572977.0/74

asym_sam_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -1094.575+/-227.736 χ^2/NDF:44.3/20

Right Out: 1114.700+/-423.039 χ^2/NDF: 14.5/18

Left In: 186.542+/-233.235 χ^2/NDF:21.3/18

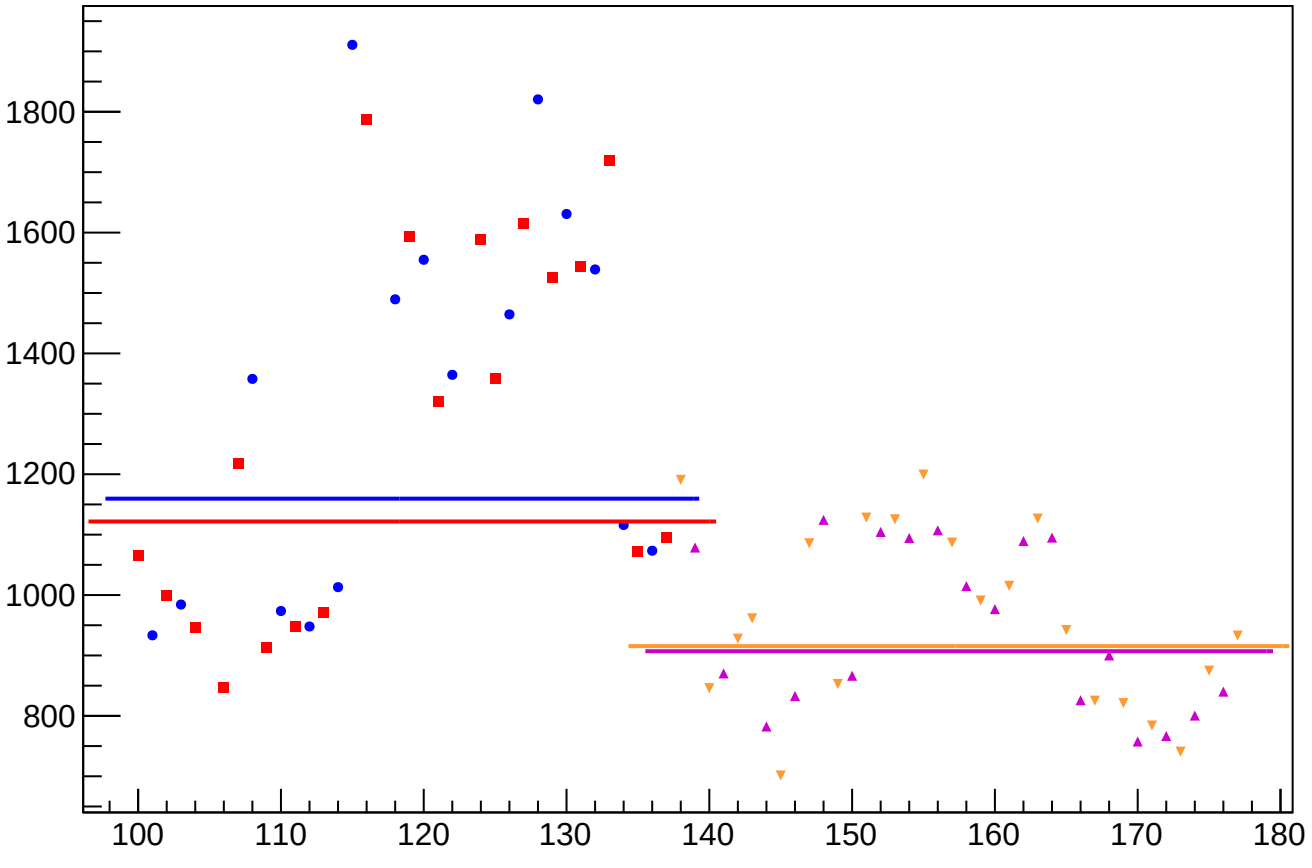
Left: -469.296+/-162.943 χ^2/NDF: 81.1/39

Right: 482.307+/-306.263 χ^2/NDF: 39.7/34

In: 99.866+/-206.476 χ^2/NDF:42.4/34

Out: -598.178+/-200.526 χ^2/NDF:80.0/39

All: -259.359+/-143.851 χ^2/NDF: 128.3/74



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 915.484+/-0.161 χ^2/NDF:808254.5/20

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

Left In: 907.063+/-0.165 χ^2/NDF:605197.0/18

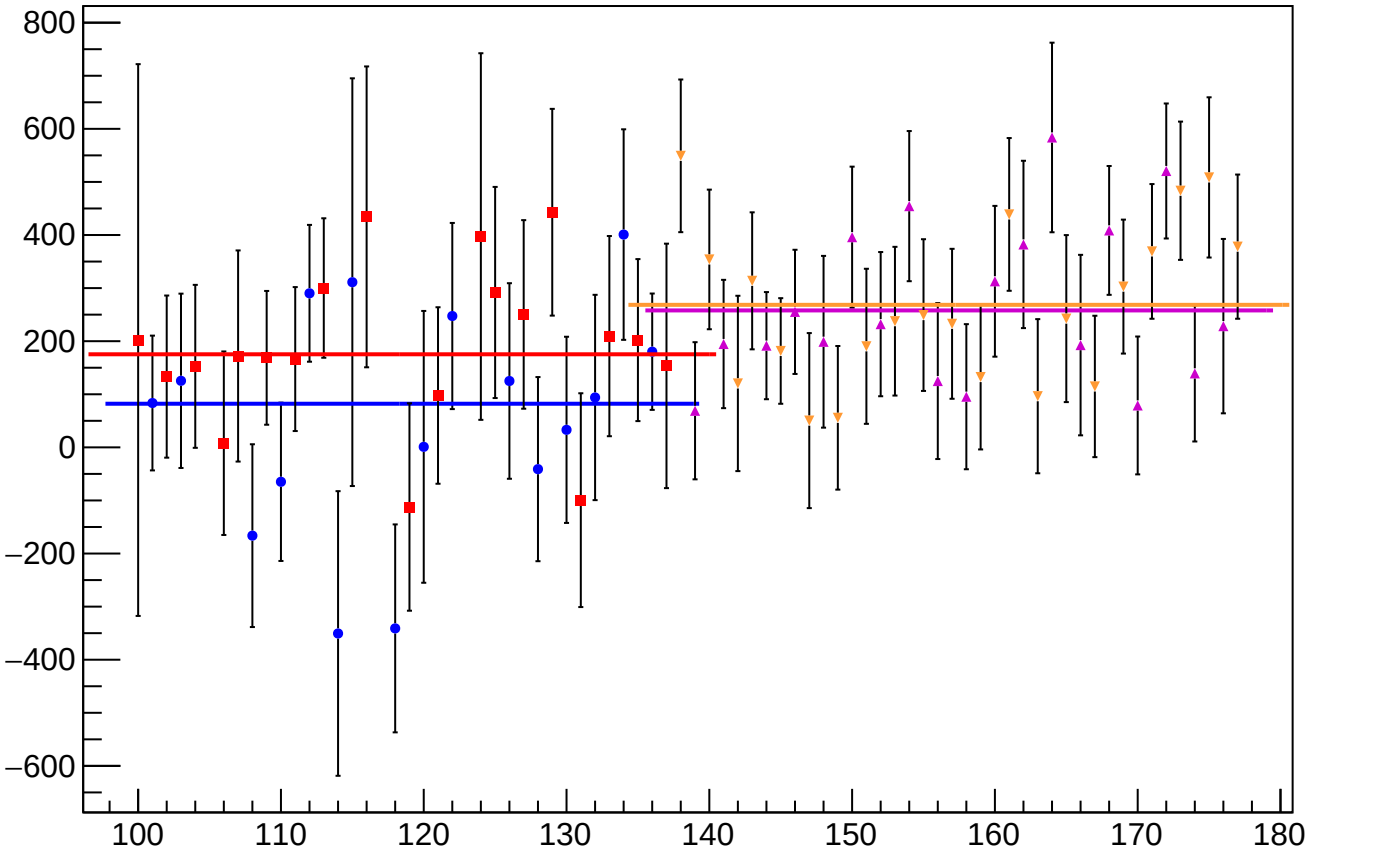
Left: 911.374+/-0.115 χ^2/NDF: 1414786.4/39

Right: 1139.747+/-0.217 χ^2/NDF: 1473571.5/34

In: 961.678+/-0.146 χ^2/NDF:1795912.1/34

Out: 961.830+/-0.142 χ^2/NDF:1959171.1/39

All: 961.757+/-0.102 χ^2/NDF: 3755083.8/74



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 268.478+/-29.870 χ^2/NDF:22.3/20

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 257.950+/-30.988 χ^2/NDF:21.1/18

Left: 263.407+/-21.506 χ^2/NDF: 43.5/39

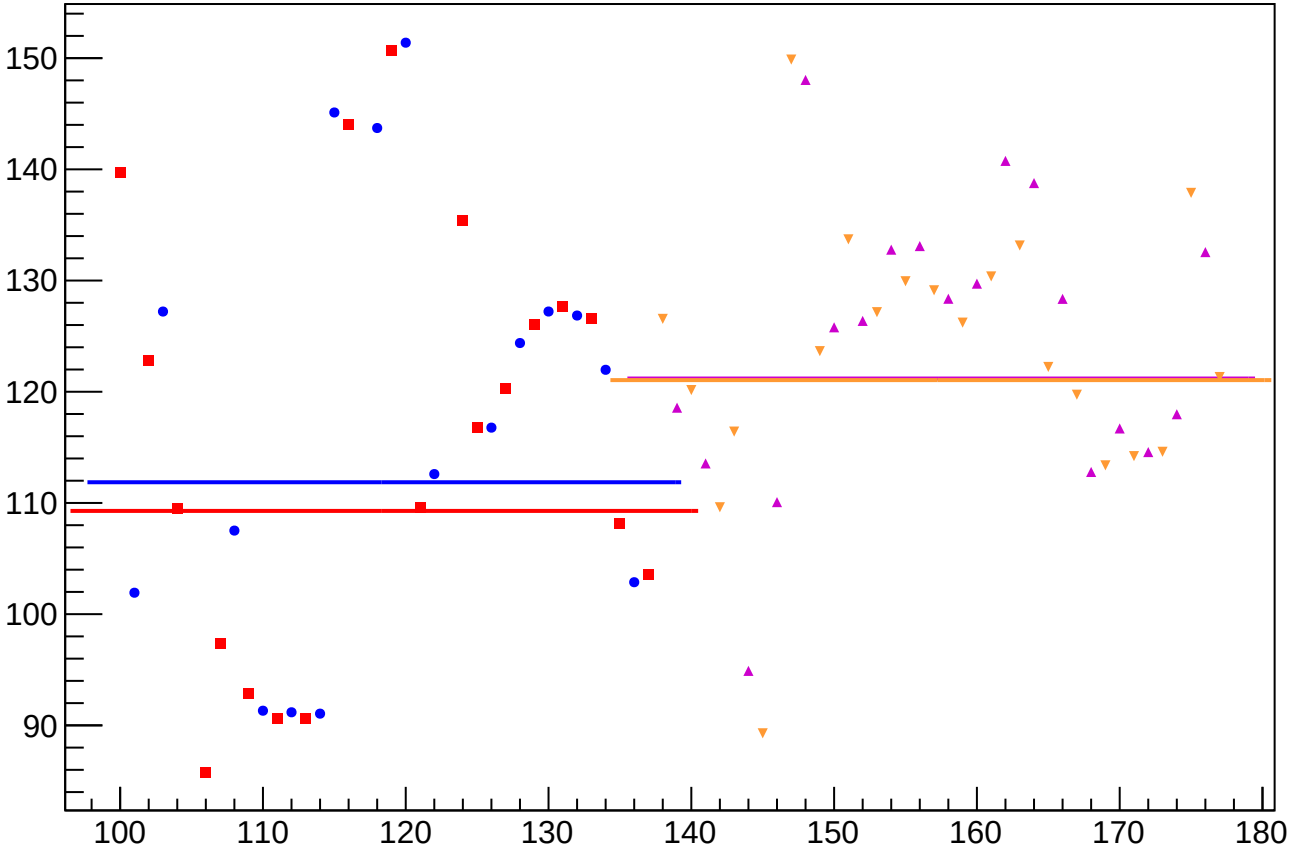
Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 196.248+/-24.963 χ^2/NDF:50.8/34

Out: 235.850+/-24.076 χ^2/NDF:35.7/39

All: 216.765+/-17.330 χ^2/NDF: 87.7/74

cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 121.047+/-0.021 χ^2/NDF:382608.6/20

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 121.190+/-0.022 χ^2/NDF:344315.9/18

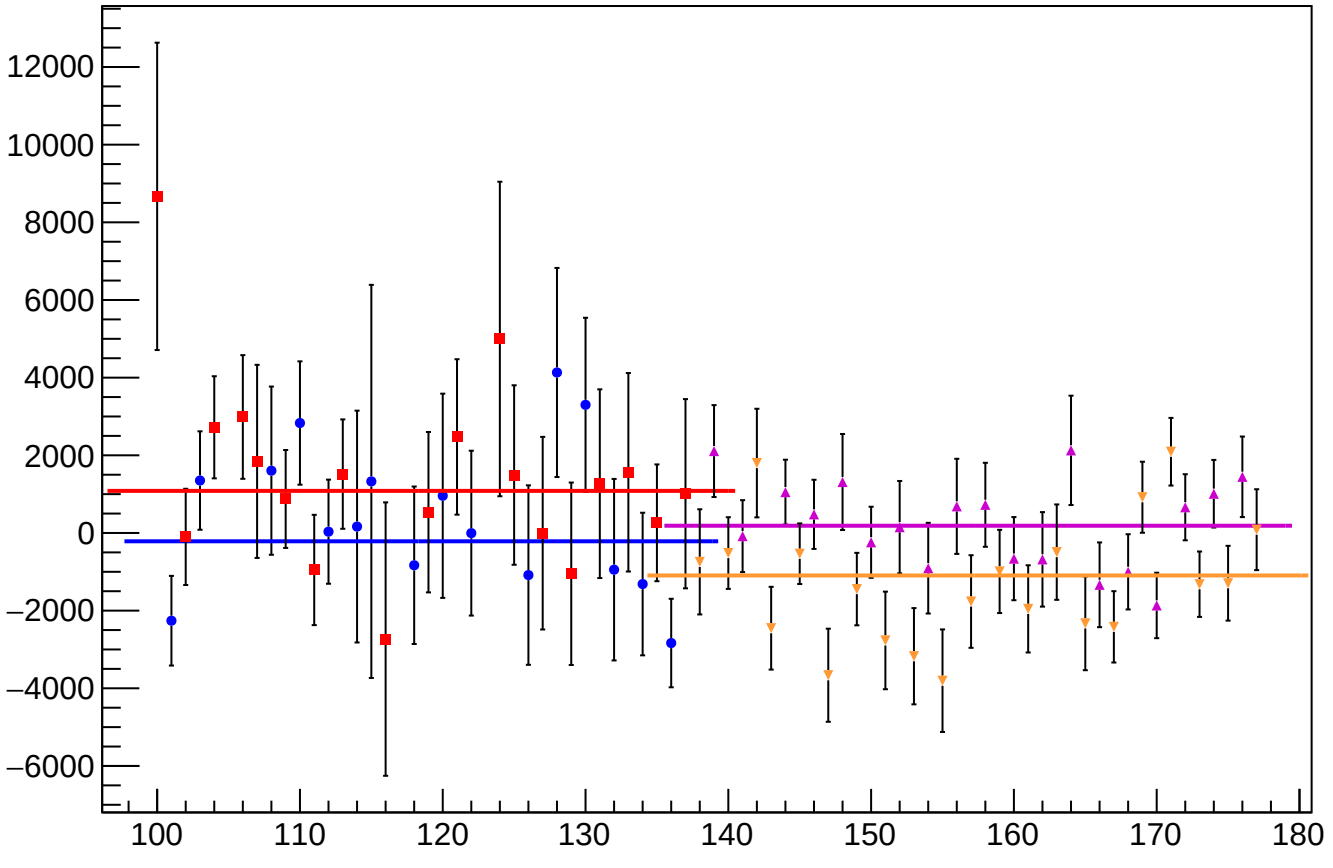
Left: 121.116+/-0.015 χ^2/NDF: 726946.7/39

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 117.915+/-0.018 χ^2/NDF:713955.7/34

Out: 116.926+/-0.017 χ^2/NDF:861963.2/39

All: 117.403+/-0.012 χ^2/NDF: 1577546.5/74



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1094.572+/-227.736 χ^2/NDF:44.3/20

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 186.547+/-233.235 χ^2/NDF:21.3/18

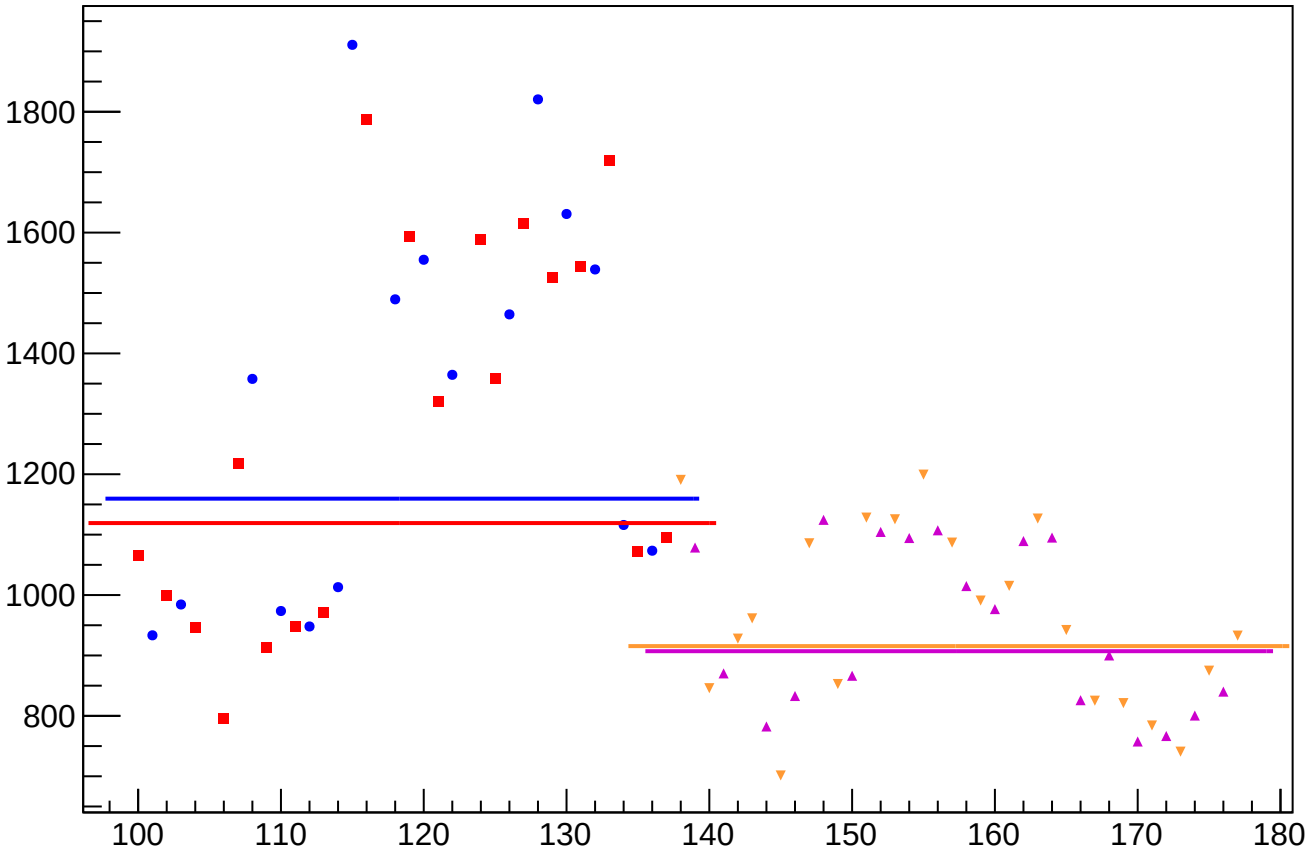
Left: -469.293+/-162.943 χ^2/NDF: 81.1/39

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 99.852+/-206.476 χ^2/NDF:42.4/34

Out: -606.403+/-200.604 χ^2/NDF:78.7/39

All: -263.462+/-143.880 χ^2/NDF: 127.2/74



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 915.484+/-0.161 χ^2/NDF:808254.3/20

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 907.063+/-0.165 χ^2/NDF:605197.2/18

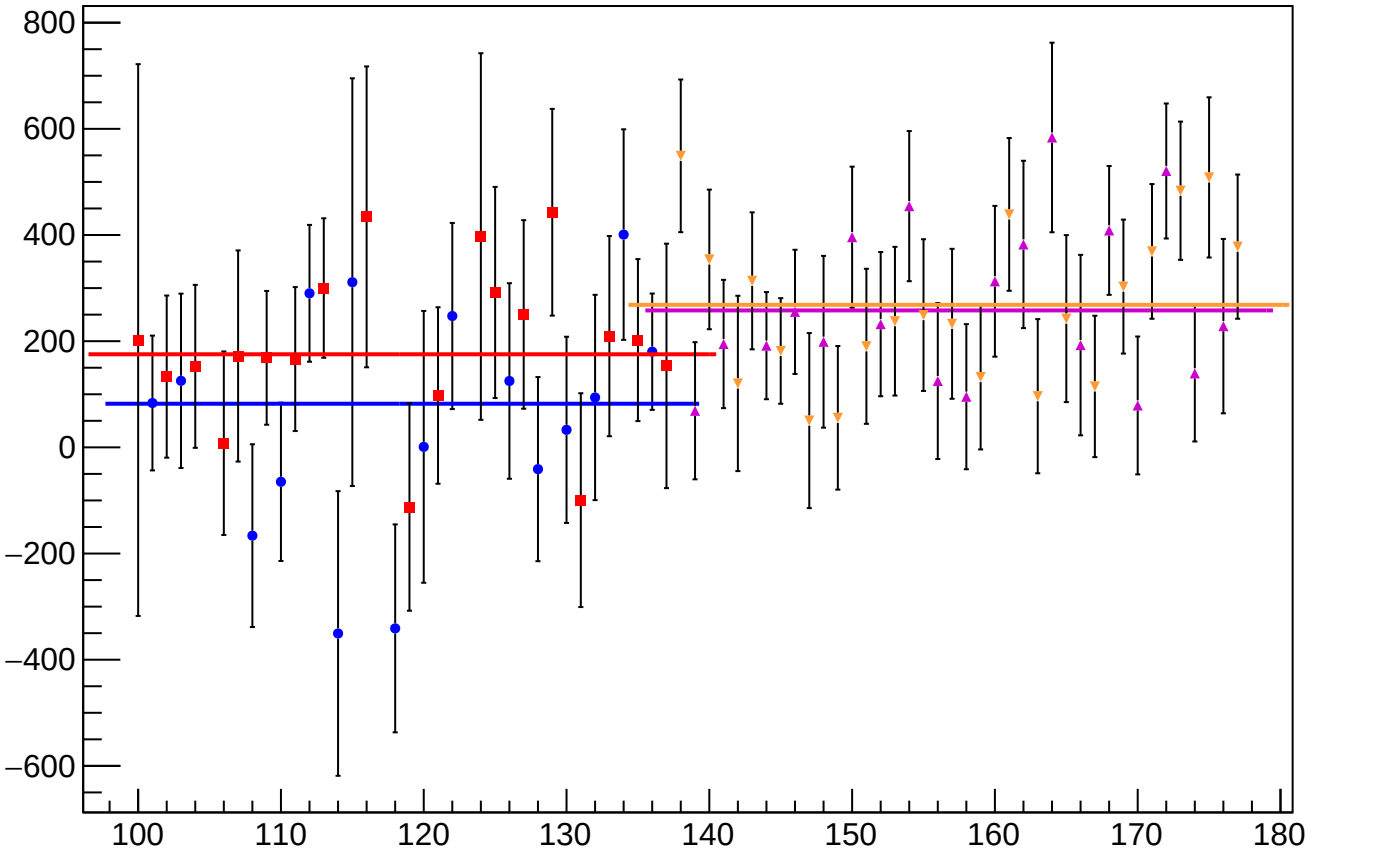
Left: 911.374+/-0.115 χ^2/NDF: 1414786.3/39

Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 961.680+/-0.146 χ^2/NDF:1795913.8/34

Out: 961.124+/-0.142 χ^2/NDF:1969863.8/39

All: 961.394+/-0.102 χ^2/NDF: 3765785.0/74



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 268.478+/-29.870 χ^2/NDF:22.3/20

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 257.950+/-30.988 χ^2/NDF:21.1/18

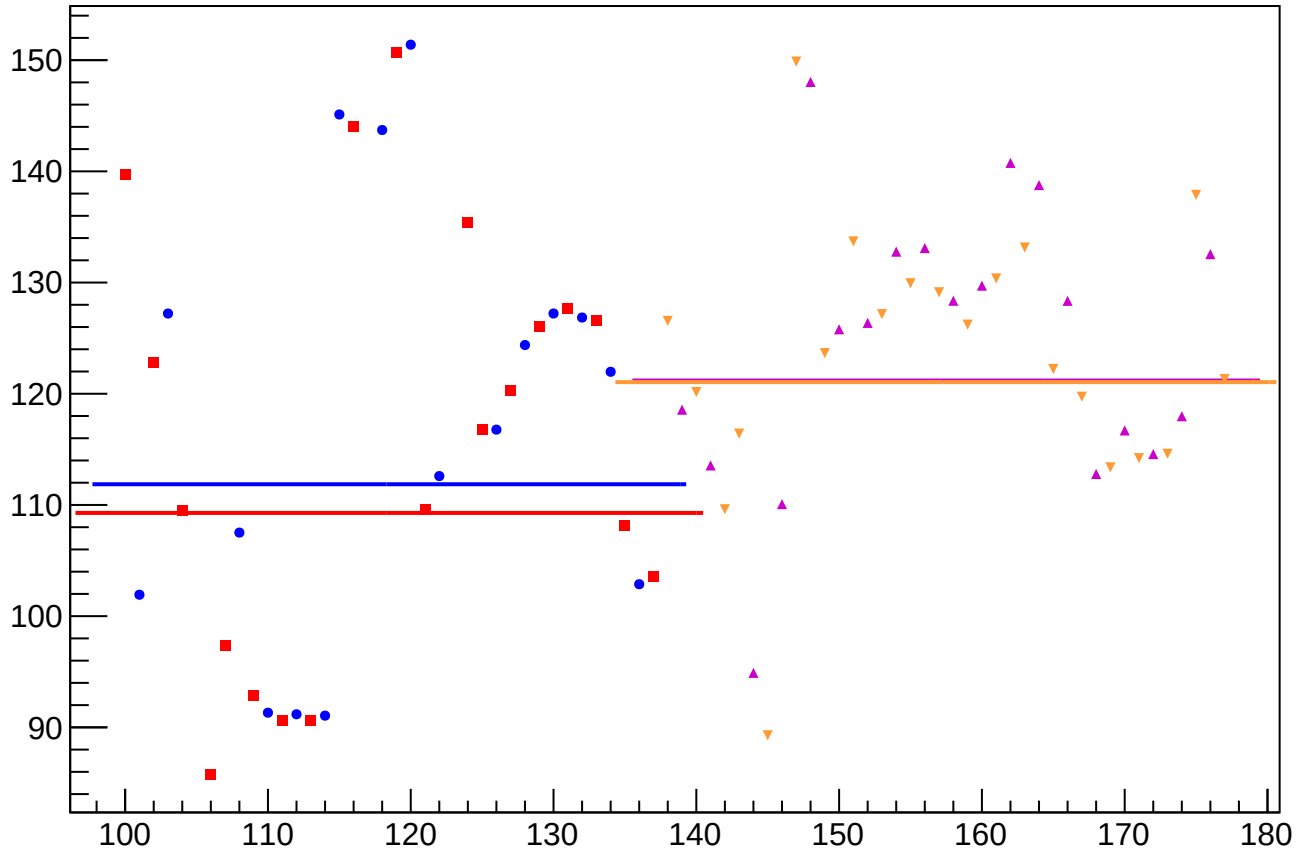
Left: 263.407+/-21.506 χ^2/NDF: 43.5/39

Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 196.248+/-24.963 χ^2/NDF:50.8/34

Out: 235.850+/-24.076 χ^2/NDF:35.7/39

All: 216.765+/-17.330 χ^2/NDF: 87.7/74



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 121.047+/-0.021 χ^2/NDF:382608.6/20

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 121.190+/-0.022 χ^2/NDF:344315.9/18

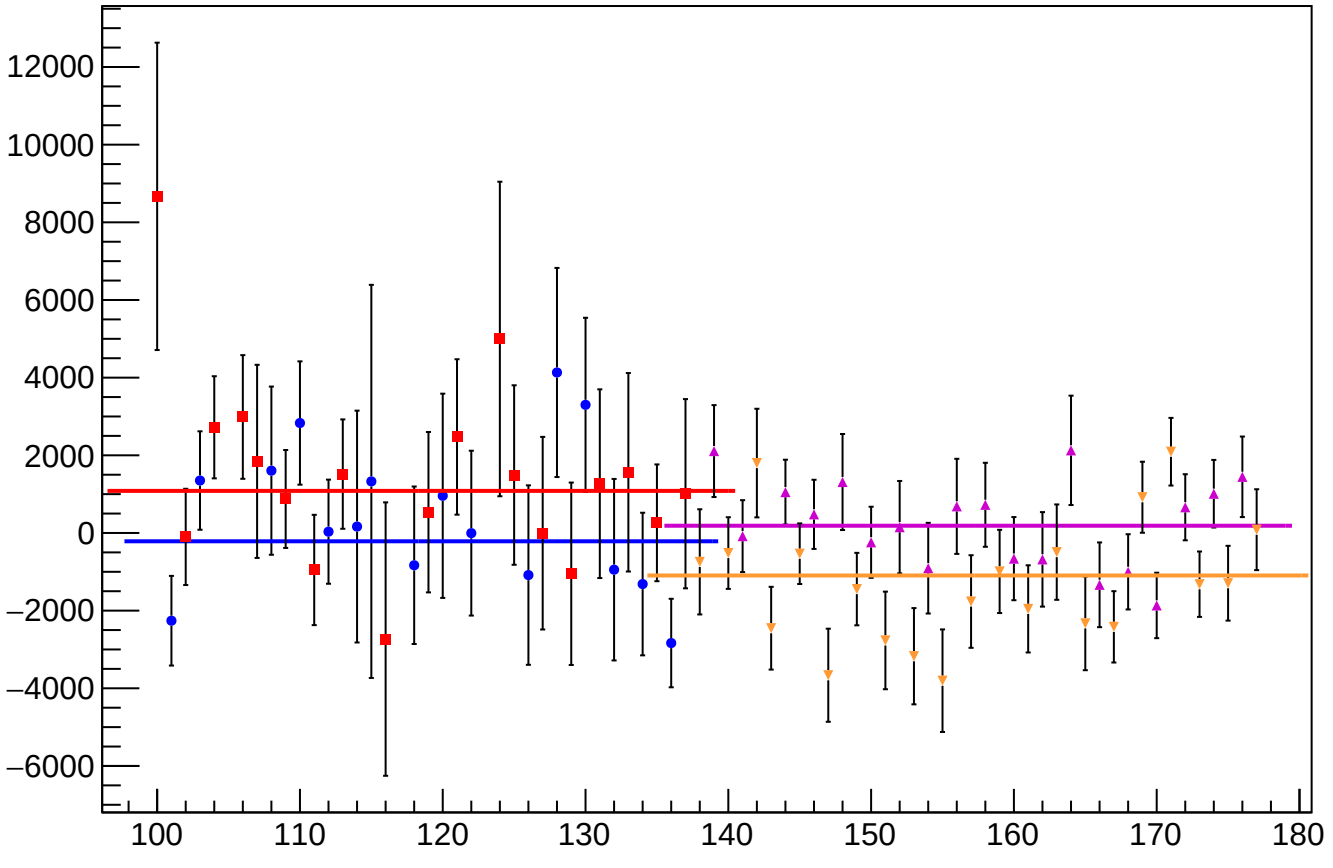
Left: 121.116+/-0.015 χ^2/NDF: 726946.7/39

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 117.915+/-0.018 χ^2/NDF:713955.7/34

Out: 116.926+/-0.017 χ^2/NDF:861963.2/39

All: 117.403+/-0.012 χ^2/NDF: 1577546.5/74



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1094.572+/-227.736 χ^2/NDF:44.3/20

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 186.547+/-233.235 χ^2/NDF:21.3/18

Left: -469.293+/-162.943 χ^2/NDF: 81.1/39

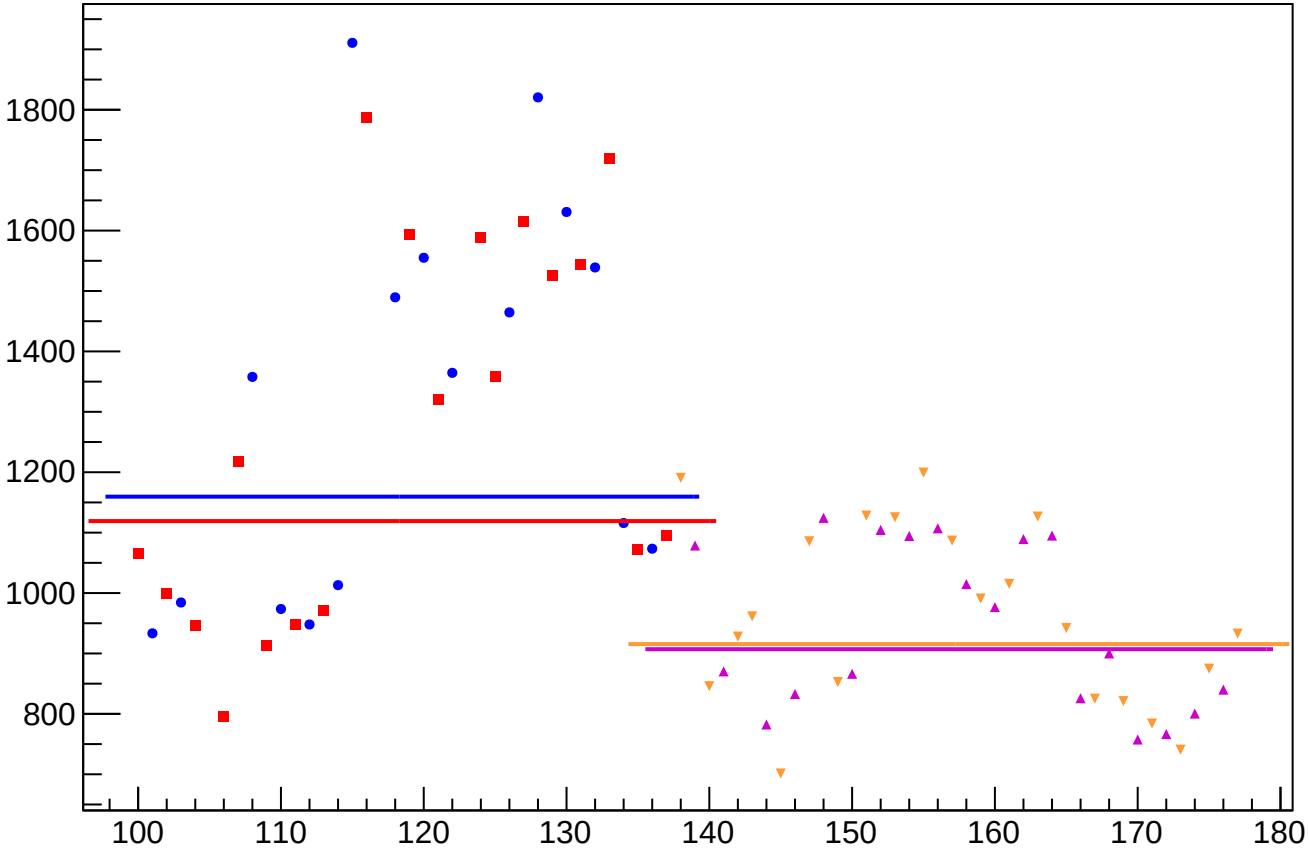
Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 99.852+/-206.476 χ^2/NDF:42.4/34

Out: -606.403+/-200.604 χ^2/NDF:78.7/39

All: -263.462+/-143.880 χ^2/NDF: 127.2/74

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: 915.484+/-0.161 χ^2/NDF:808254.3/20

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 907.063+/-0.165 χ^2/NDF:605197.2/18

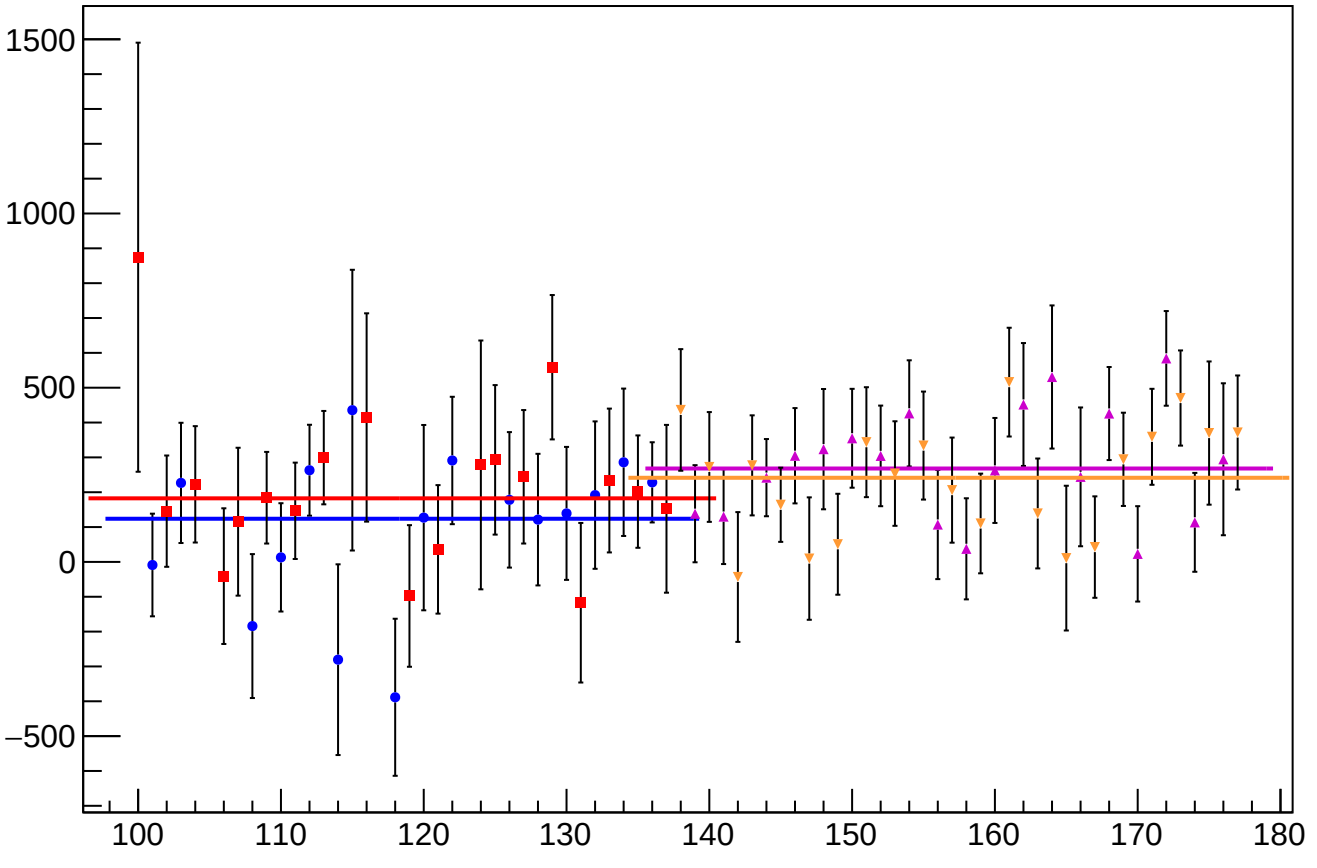
Left: 911.374+/-0.115 χ^2/NDF: 1414786.3/39

Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 961.680+/-0.146 χ^2/NDF:1795913.8/34

Out: 961.124+/-0.142 χ^2/NDF:1969863.8/39

All: 961.394+/-0.102 χ^2/NDF: 3765785.0/74



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 241.458+/-33.104 χ^2/NDF:20.7/20

Right Out: 182.467+/-43.224 χ^2/NDF: 12.3/18

Left In: 268.071+/-34.055 χ^2/NDF:21.2/18

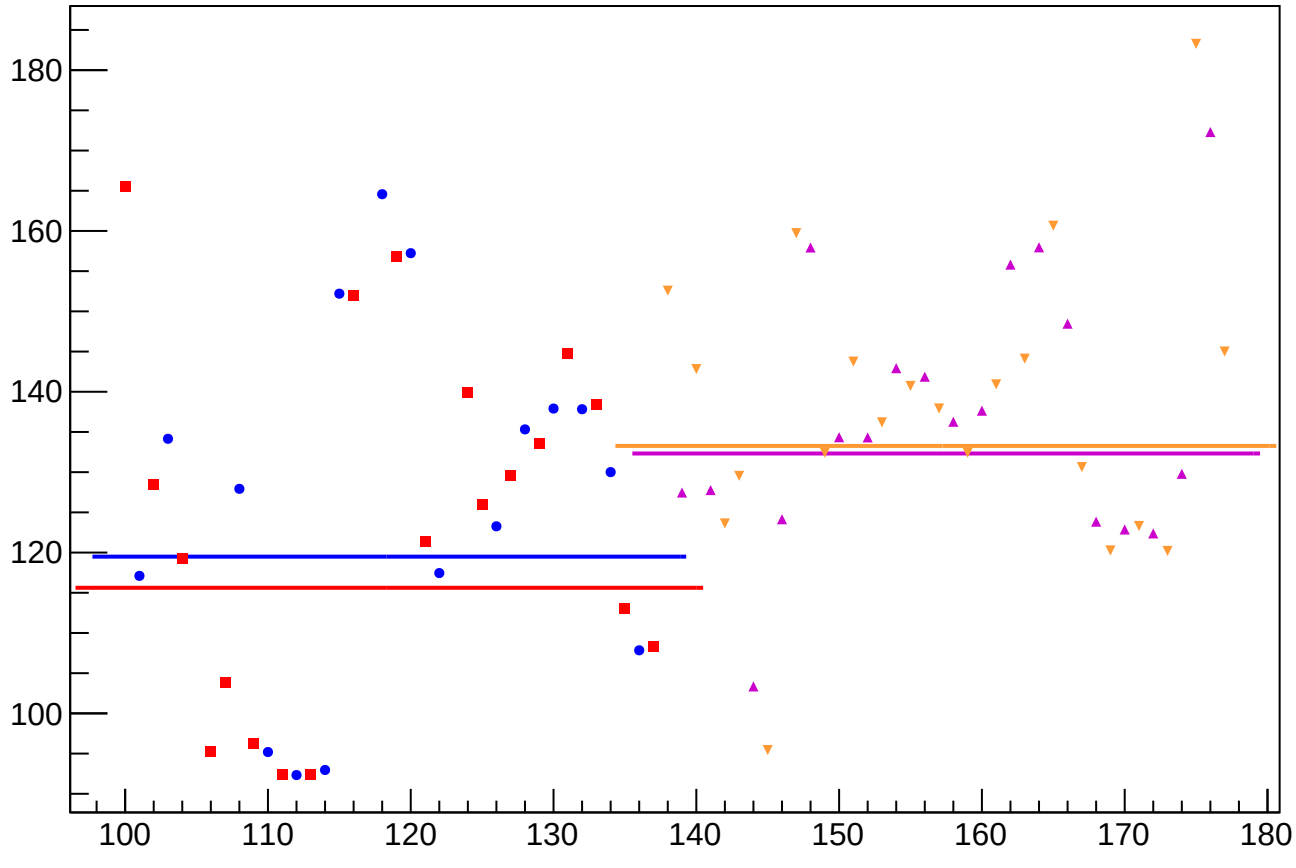
Left: 254.388+/-23.737 χ^2/NDF: 42.2/39

Right: 154.513+/-31.252 χ^2/NDF: 28.6/34

In: 215.919+/-27.207 χ^2/NDF:43.1/34

Out: 219.650+/-26.282 χ^2/NDF:34.2/39

All: 217.849+/-18.903 χ^2/NDF: 77.3/74



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 133.262+/-0.023 χ^2/NDF:578624.4/20

Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 132.324+/-0.024 χ^2/NDF:390438.1/18

Left: 132.806+/-0.017 χ^2/NDF: 969843.7/39

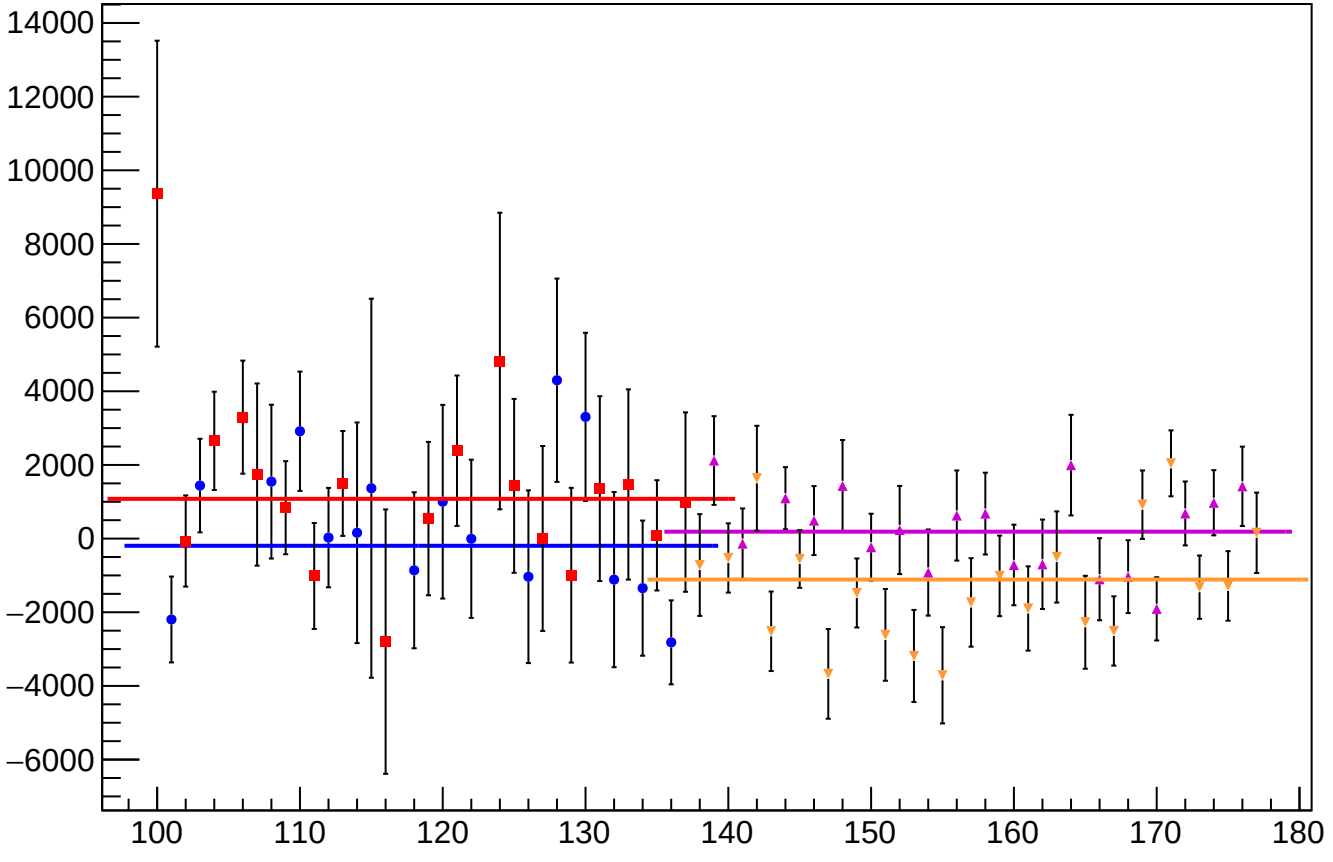
Right: 117.470+/-0.022 χ^2/NDF: 814875.1/34

In: 127.683+/-0.019 χ^2/NDF:873355.8/34

Out: 126.741+/-0.019 χ^2/NDF:1215552.0/39

All: 127.196+/-0.013 χ^2/NDF: 2090149.5/74

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: -1111.918+/-230.978 χ^2/NDF:41.8/20

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 188.067+/-237.061 χ^2/NDF:20.6/18

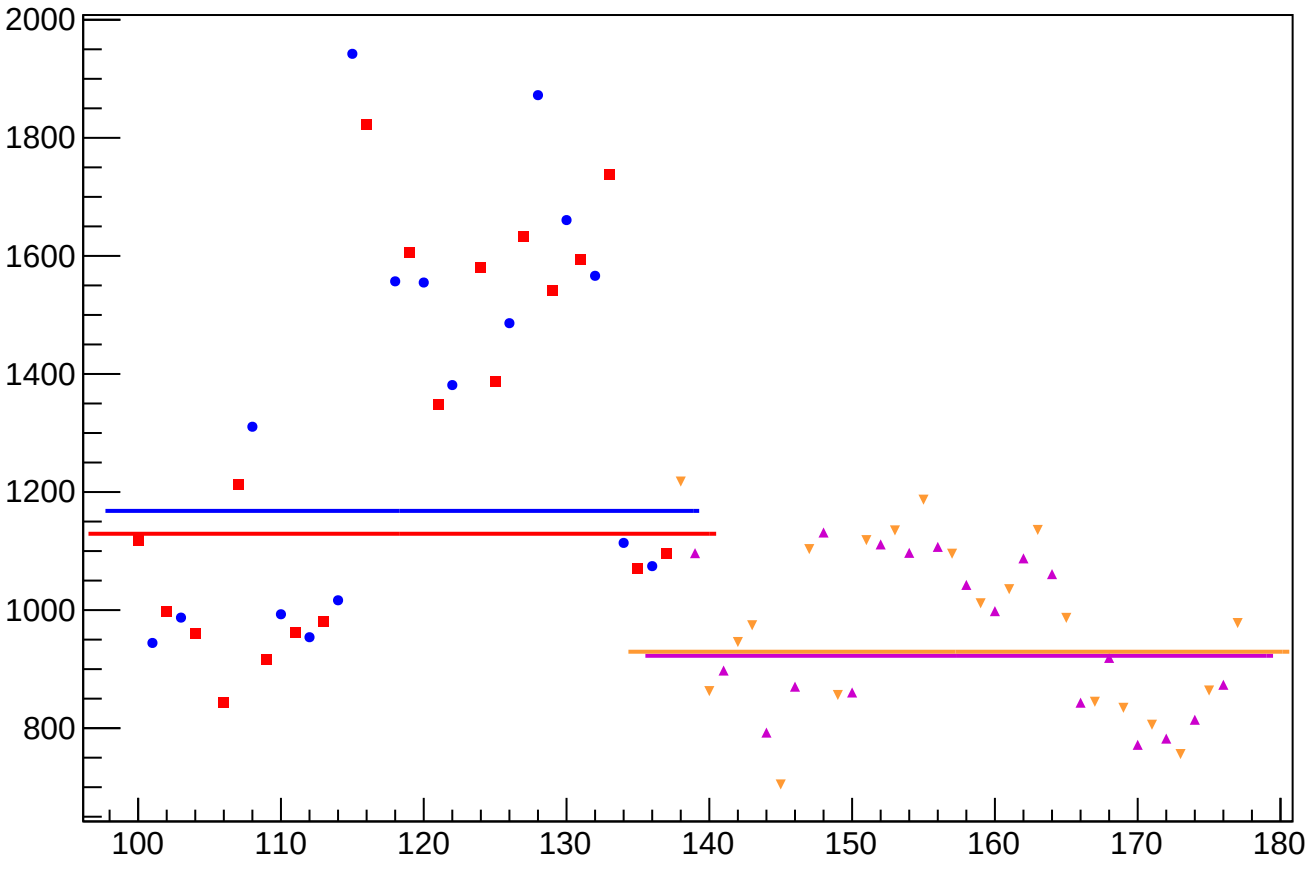
Left: -478.820+/-165.435 χ^2/NDF: 77.9/39

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 104.056+/-209.466 χ^2/NDF:41.6/34

Out: -613.979+/-203.046 χ^2/NDF:76.9/39

All: -266.133+/-145.792 χ^2/NDF: 124.5/74



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 929.490+/-0.163 χ^2/NDF:793024.1/20

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

Left In: 922.617+/-0.168 χ^2/NDF:550792.3/18

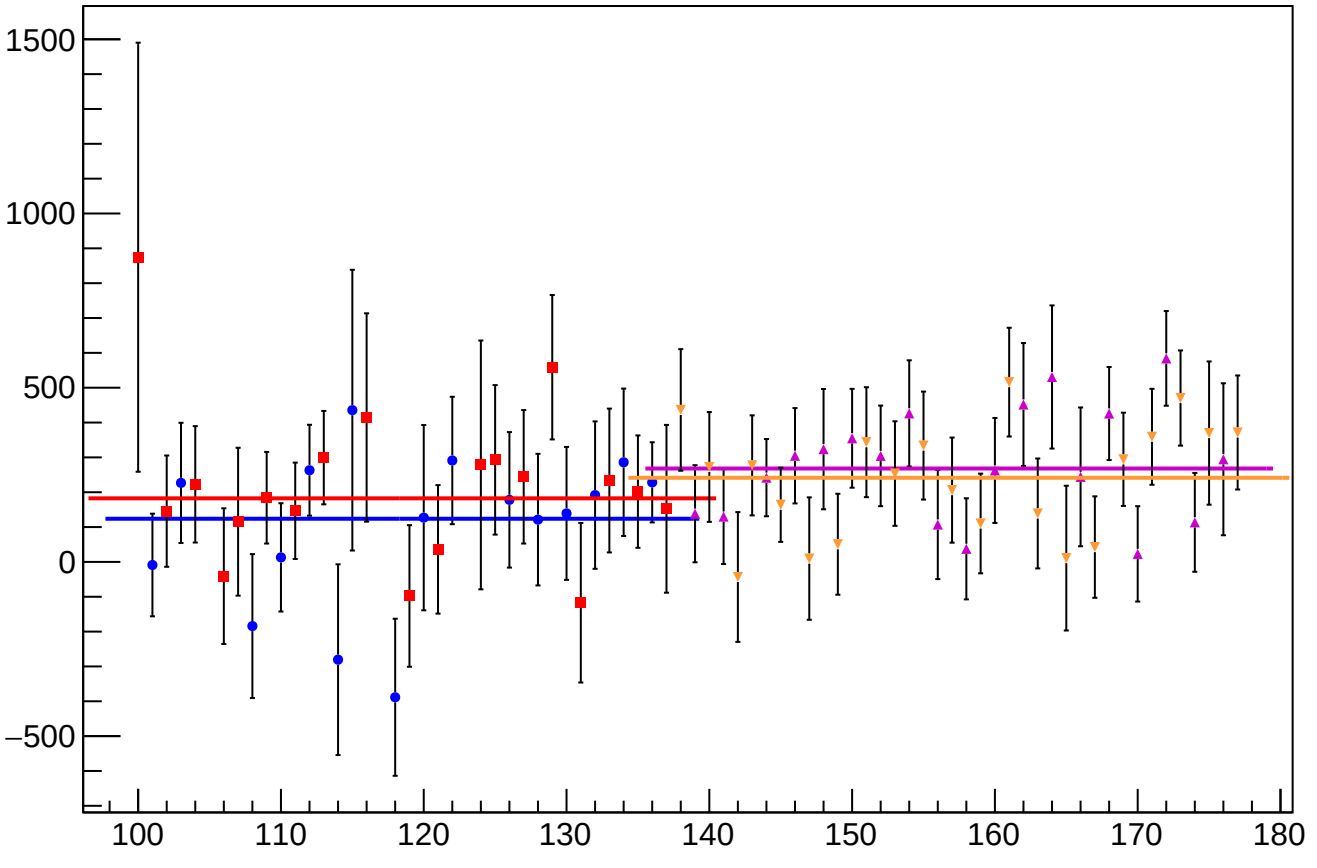
Left: 926.143+/-0.117 χ^2/NDF: 1344678.8/39

Right: 1147.741+/-0.218 χ^2/NDF: 1524455.8/34

In: 976.434+/-0.148 χ^2/NDF:1730248.3/34

Out: 974.897+/-0.144 χ^2/NDF:1940393.7/39

All: 975.642+/-0.103 χ^2/NDF: 3670697.5/74



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 241.461+/-33.104 χ^2/NDF:20.7/20

Right Out: 182.468+/-43.224 χ^2/NDF: 12.3/18

Left In: 268.072+/-34.055 χ^2/NDF:21.2/18

Left: 254.389+/-23.737 χ^2/NDF: 42.2/39

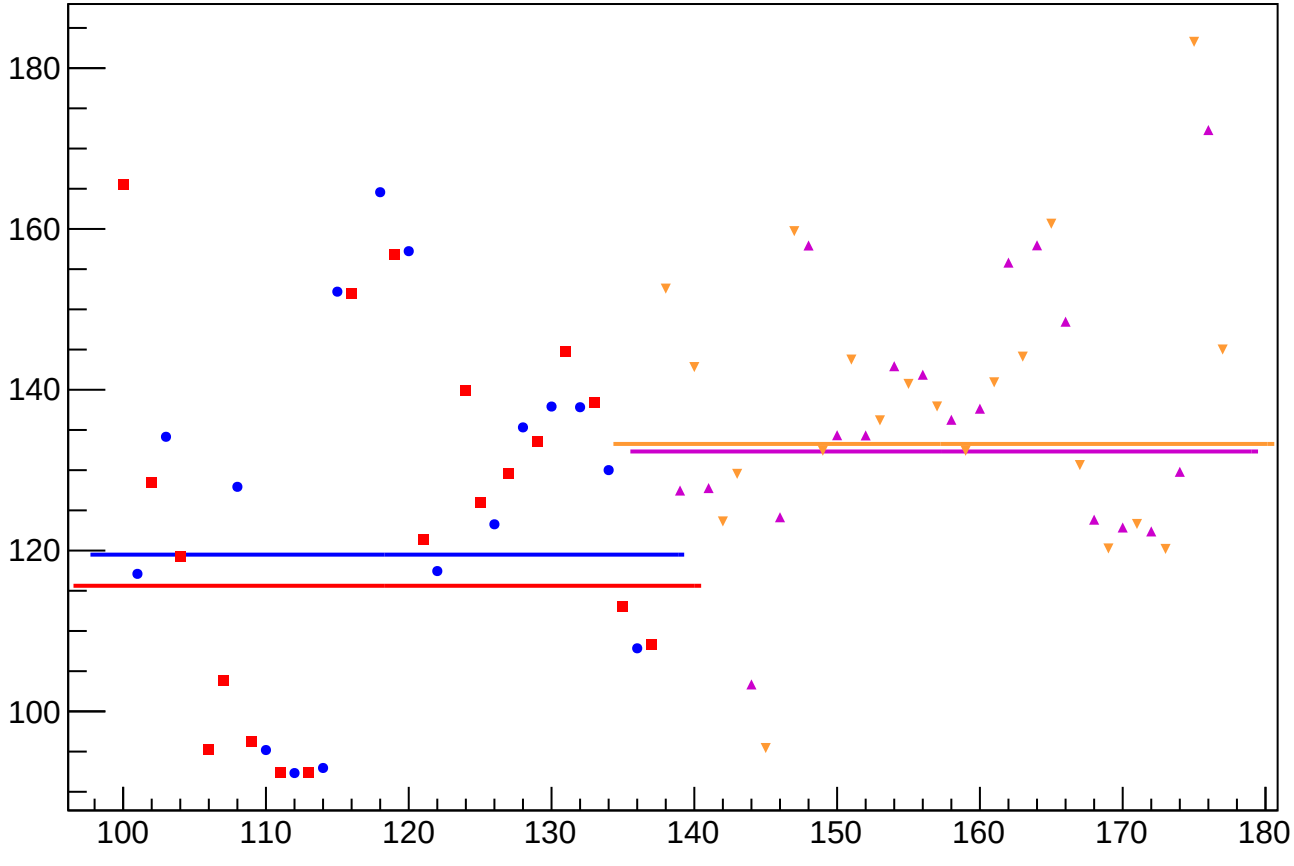
Right: 154.514+/-31.252 χ^2/NDF: 28.6/34

In: 215.921+/-27.207 χ^2/NDF:43.1/34

Out: 219.651+/-26.282 χ^2/NDF:34.2/39

All: 217.851+/-18.903 χ^2/NDF: 77.3/74

eigen_dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 133.262+/-0.023 χ^2/NDF:578623.8/20

Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 132.324+/-0.024 χ^2/NDF:390435.1/18

Left: 132.806+/-0.017 χ^2/NDF: 969840.1/39

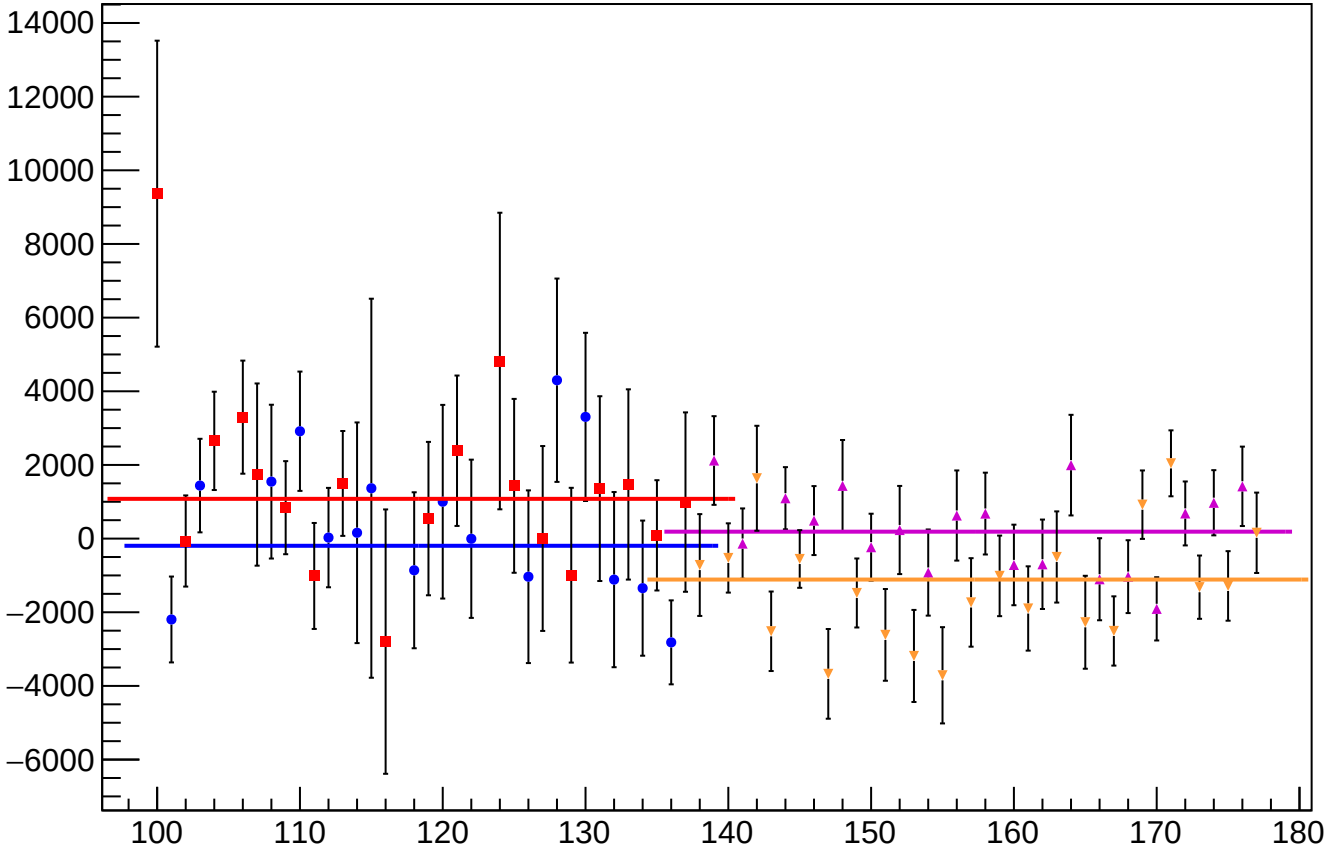
Right: 117.470+/-0.022 χ^2/NDF: 814883.4/34

In: 127.683+/-0.019 χ^2/NDF:873356.0/34

Out: 126.741+/-0.019 χ^2/NDF:1215557.2/39

All: 127.196+/-0.013 χ^2/NDF: 2090155.0/74

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: -1111.916+/-230.978 χ^2/NDF:41.8/20

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 188.066+/-237.061 χ^2/NDF:20.6/18

Left: -478.819+/-165.435 χ^2/NDF: 77.9/39

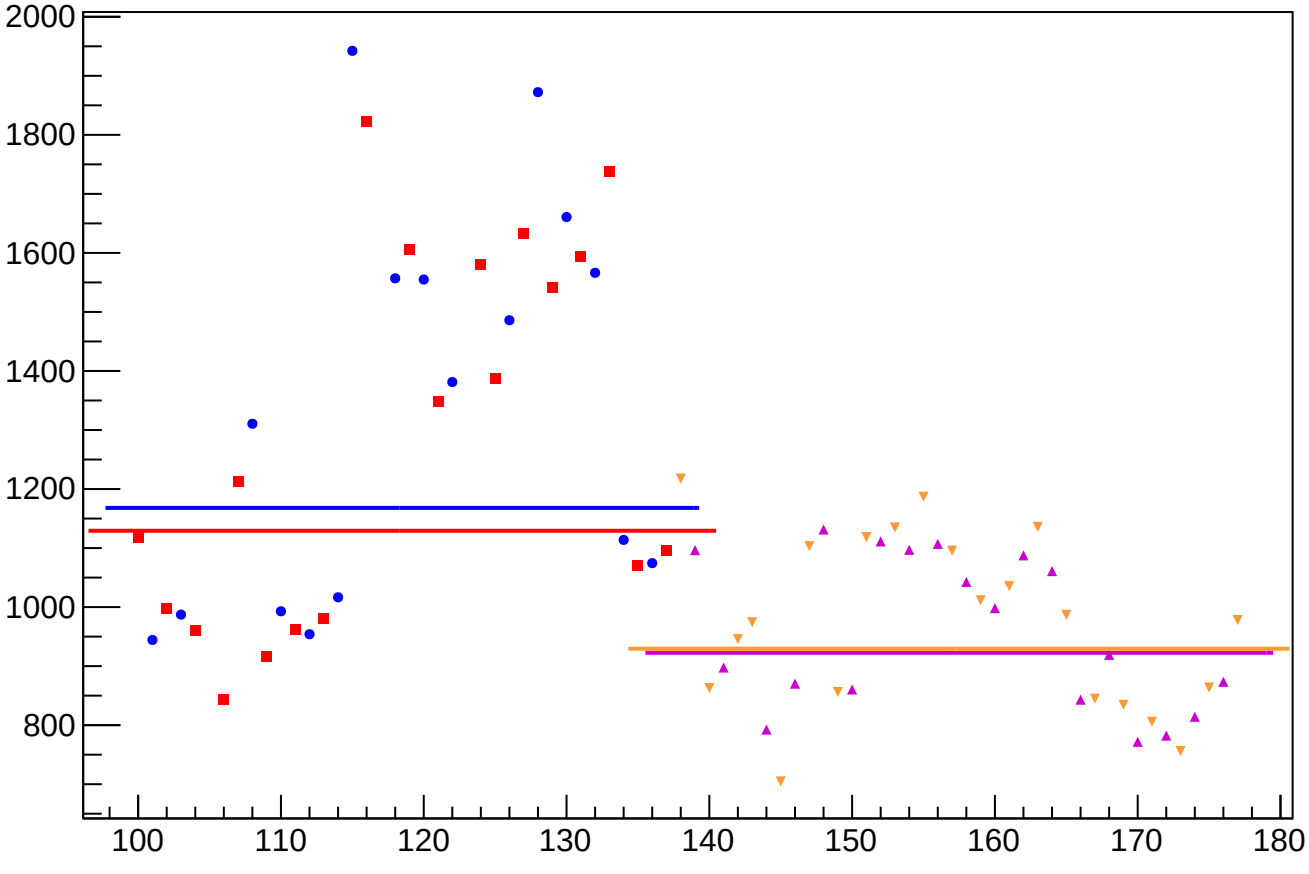
Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 104.055+/-209.466 χ^2/NDF:41.6/34

Out: -613.978+/-203.046 χ^2/NDF:76.9/39

All: -266.133+/-145.792 χ^2/NDF: 124.5/74

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: 929.489+/-0.163 χ^2/NDF:793028.0/20

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

Left In: 922.616+/-0.168 χ^2/NDF:550793.5/18

Left: 926.142+/-0.117 χ^2/NDF: 1344684.0/39

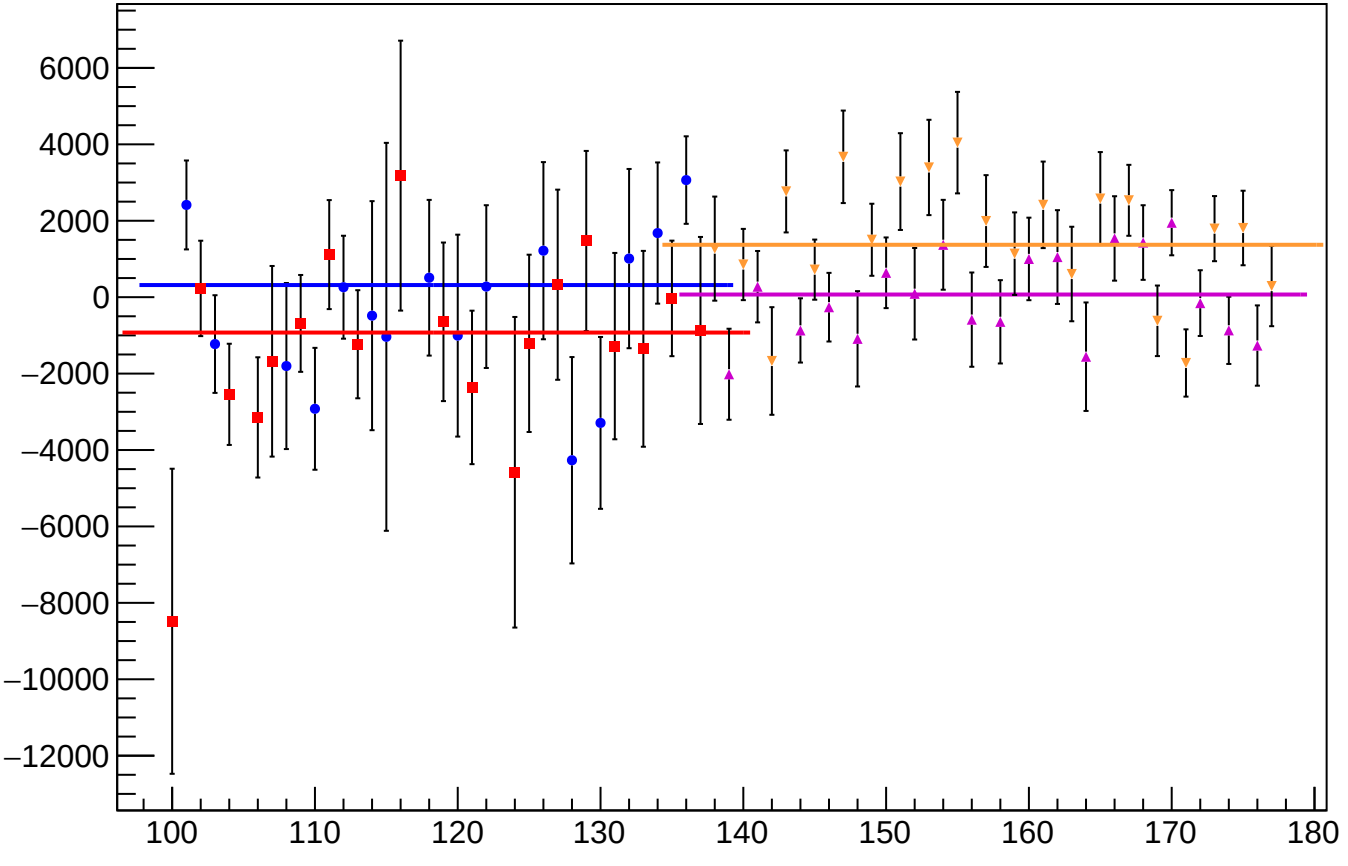
Right: 1147.741+/-0.218 χ^2/NDF: 1524459.2/34

In: 976.433+/-0.148 χ^2/NDF:1730254.4/34

Out: 974.896+/-0.144 χ^2/NDF:1940401.7/39

All: 975.641+/-0.103 χ^2/NDF: 3670711.6/74

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 1371.175+/-229.820 χ^2/NDF:42.0/20

Right Out: -926.036+/-425.405 χ^2/NDF: 14.5/18

Left In: 69.456+/-235.414 χ^2/NDF:21.8/18

Left: 735.966+/-164.449 χ^2/NDF: 79.4/39

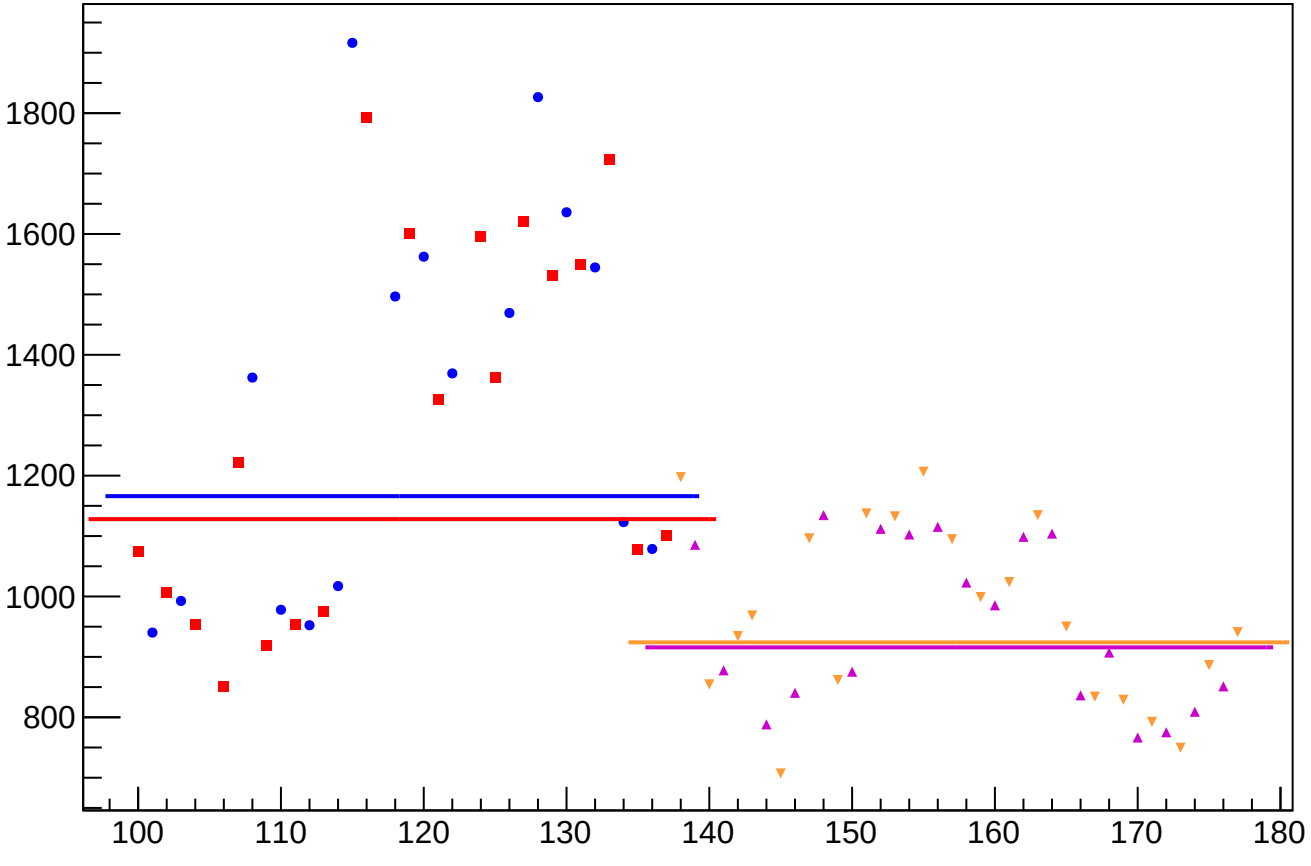
Right: -334.180+/-307.942 χ^2/NDF: 40.8/34

In: 123.411+/-208.226 χ^2/NDF:44.2/34

Out: 852.188+/-202.200 χ^2/NDF:79.1/39

All: 498.499+/-145.061 χ^2/NDF: 129.6/74

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 924.107+/-0.163 χ^2/NDF:796066.5/20

Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 915.743+/-0.166 χ^2/NDF:595068.1/18

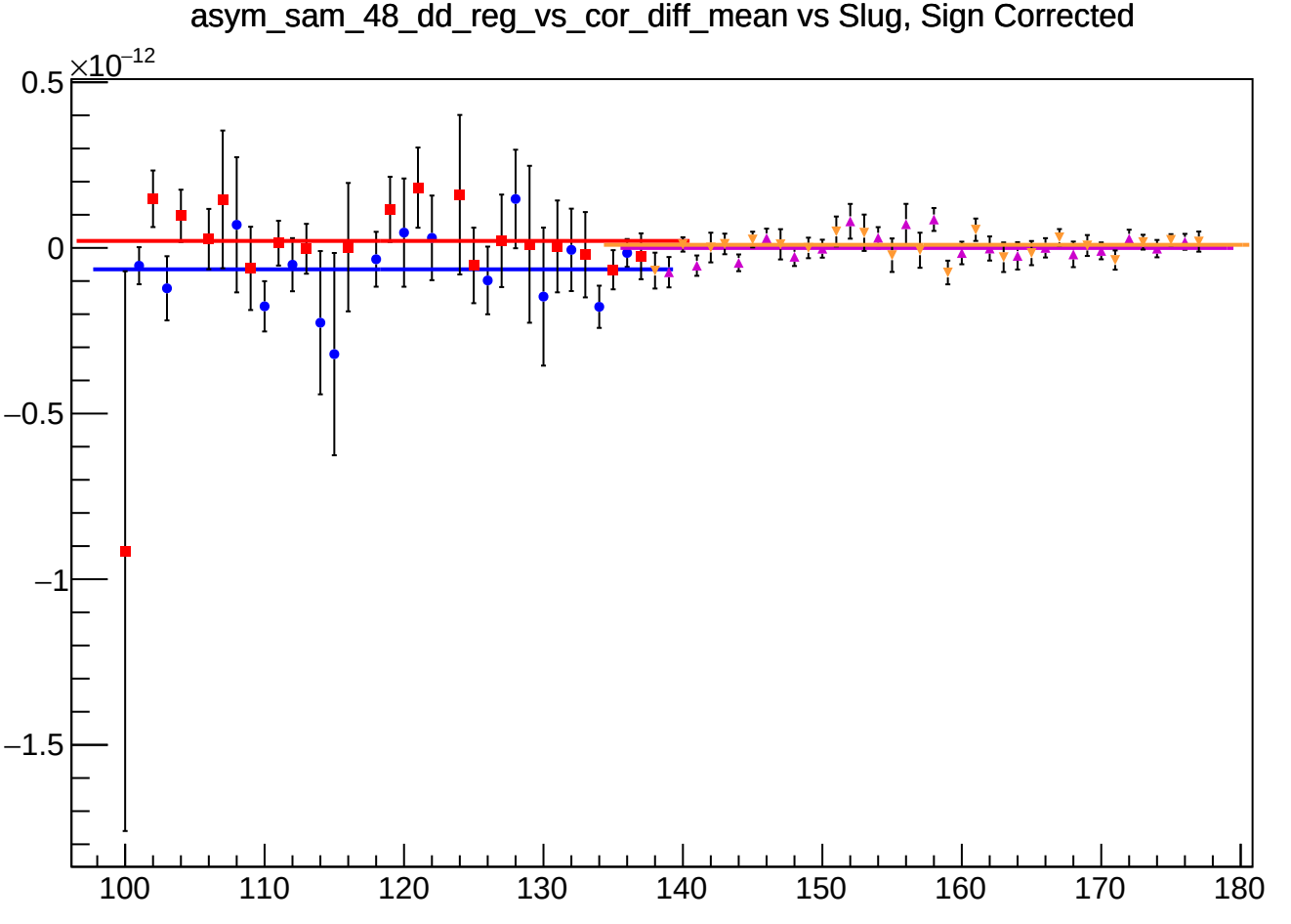
Left: 920.026+/-0.116 χ^2/NDF: 1392427.2/39

Right: 1146.118+/-0.218 χ^2/NDF: 1460446.1/34

In: 970.222+/-0.147 χ^2/NDF:1764251.4/34

Out: 970.172+/-0.143 χ^2/NDF:1927499.5/39

All: 970.196+/-0.103 χ^2/NDF: 3691751.0/74



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.1/20

Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:24.0/18

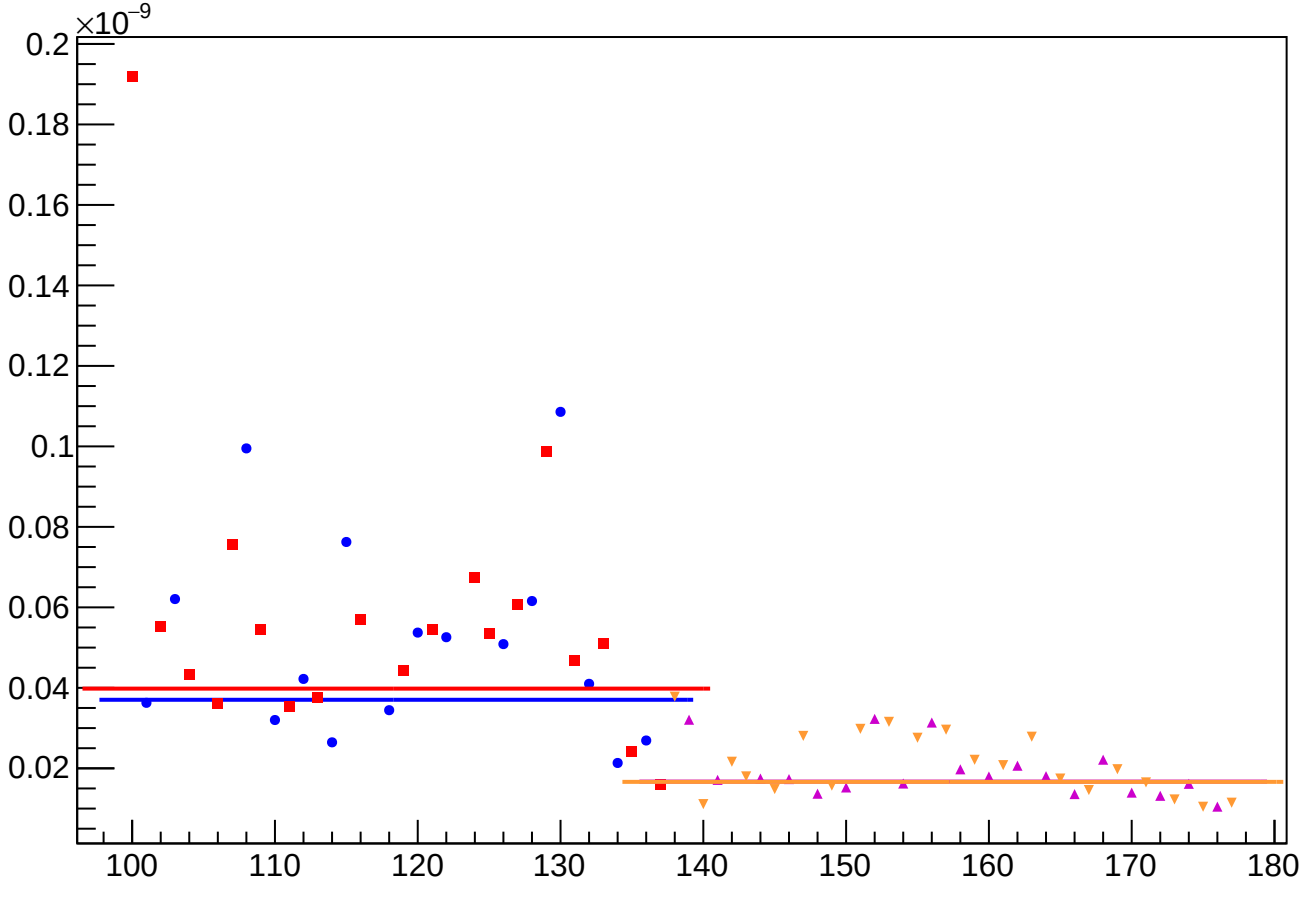
Left: 0.000+/-0.000 χ^2/NDF: 42.1/39

Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:44.4/34

Out: 0.000+/-0.000 χ^2/NDF:28.9/39

All: 0.000+/-0.000 χ^2/NDF: 76.4/74



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1761504.7/20

Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

Left In: 0.000+/-0.000 χ^2/NDF:847754.9/18

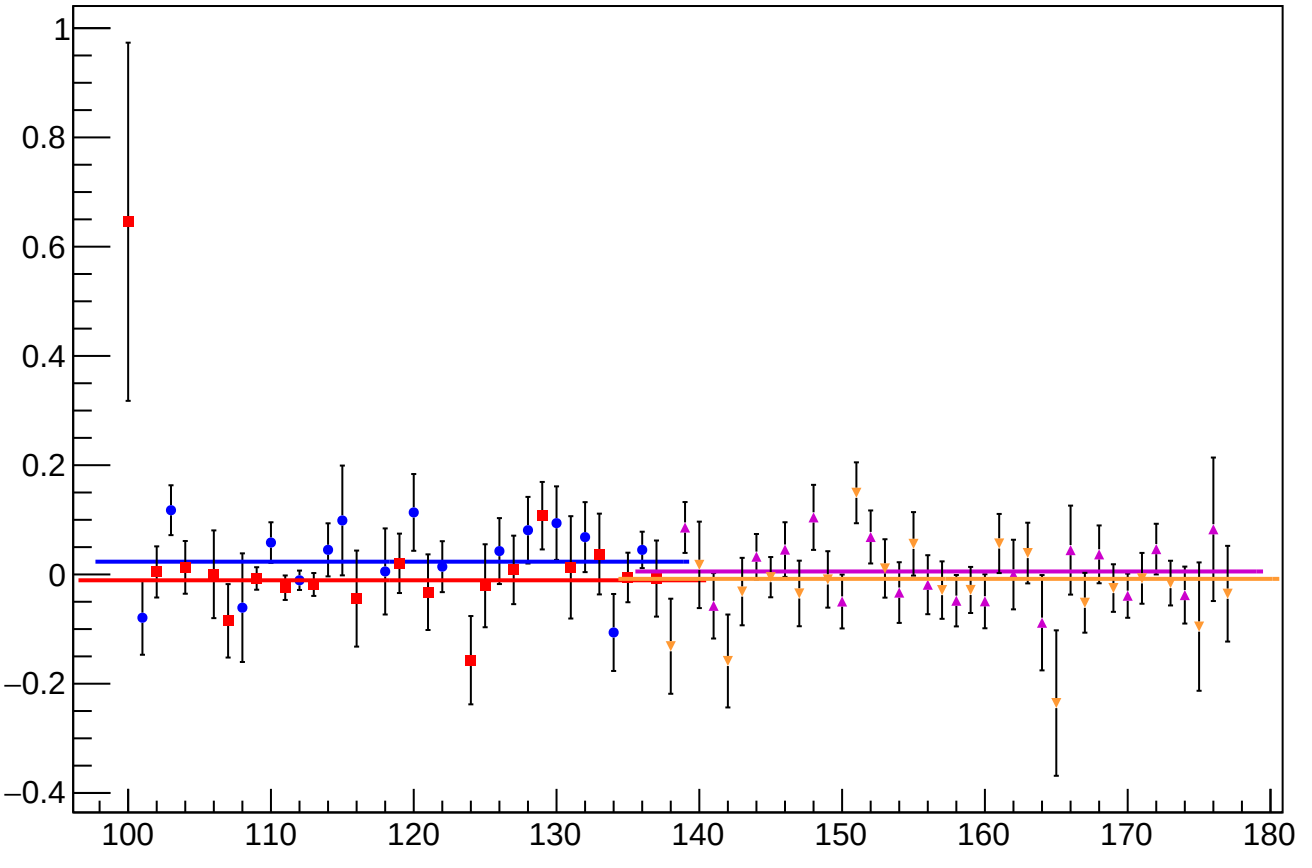
Left: 0.000+/-0.000 χ^2/NDF: 2609347.7/39

Right: 0.000+/-0.000 χ^2/NDF: 1914342.0/34

In: 0.000+/-0.000 χ^2/NDF:3408645.0/34

Out: 0.000+/-0.000 χ^2/NDF:4517445.4/39

All: 0.000+/-0.000 χ^2/NDF: 7927214.4/74



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:21.8/20

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.005+/-0.012 χ^2/NDF:18.8/18

Left: -0.001+/-0.009 χ^2/NDF: 41.3/39

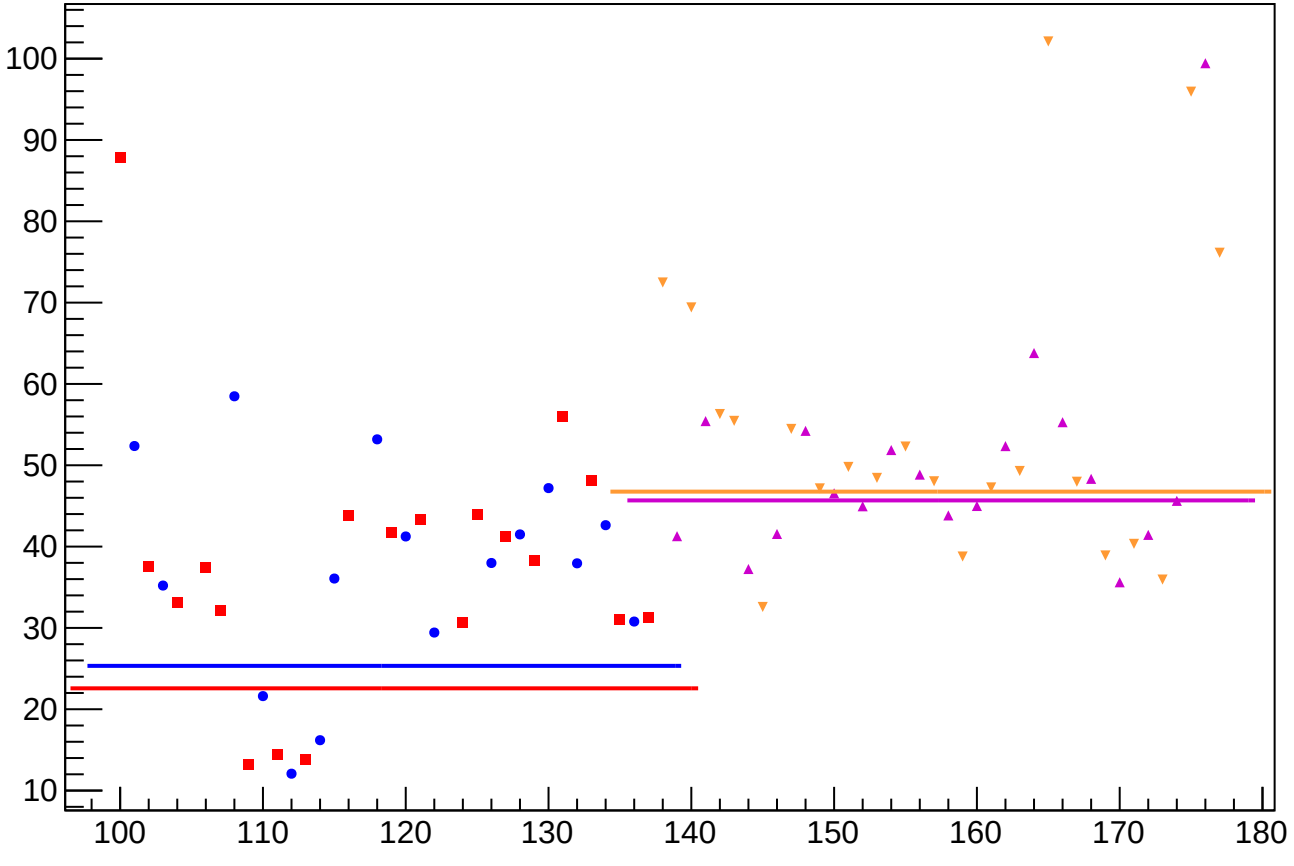
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.015+/-0.008 χ^2/NDF:40.7/34

Out: -0.010+/-0.008 χ^2/NDF:36.1/39

All: 0.002+/-0.006 χ^2/NDF: 81.8/74

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 46.759+/-0.009 χ^2/NDF:2001232.4/20

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 45.678+/-0.009 χ^2/NDF:861581.7/18

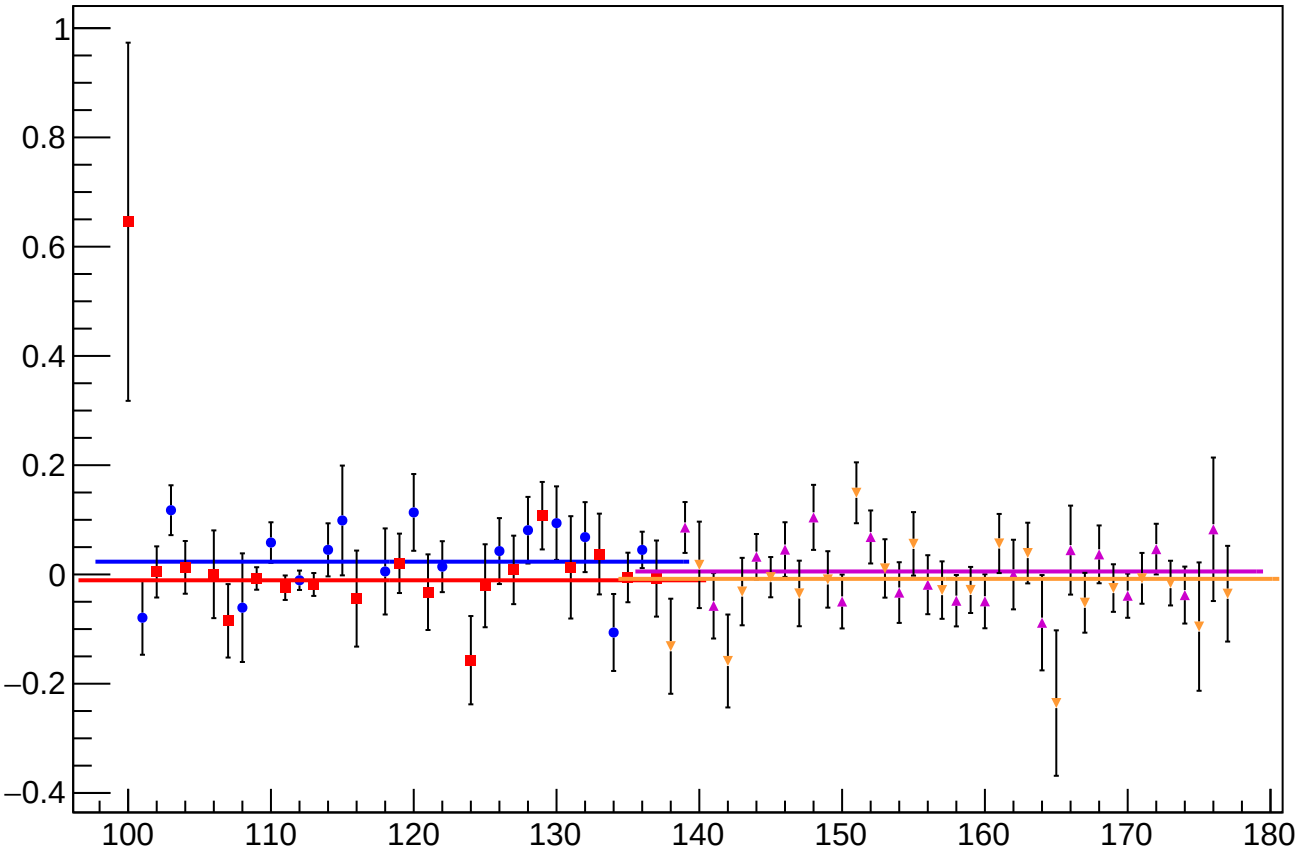
Left: 46.221+/-0.006 χ^2/NDF: 2870737.2/39

Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 34.545+/-0.006 χ^2/NDF:6845918.2/34

Out: 32.145+/-0.005 χ^2/NDF:9961436.3/39

All: 33.259+/-0.004 χ^2/NDF: 16899456.3/74



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:21.8/20

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.005+/-0.012 χ^2/NDF:18.8/18

Left: -0.001+/-0.009 χ^2/NDF: 41.3/39

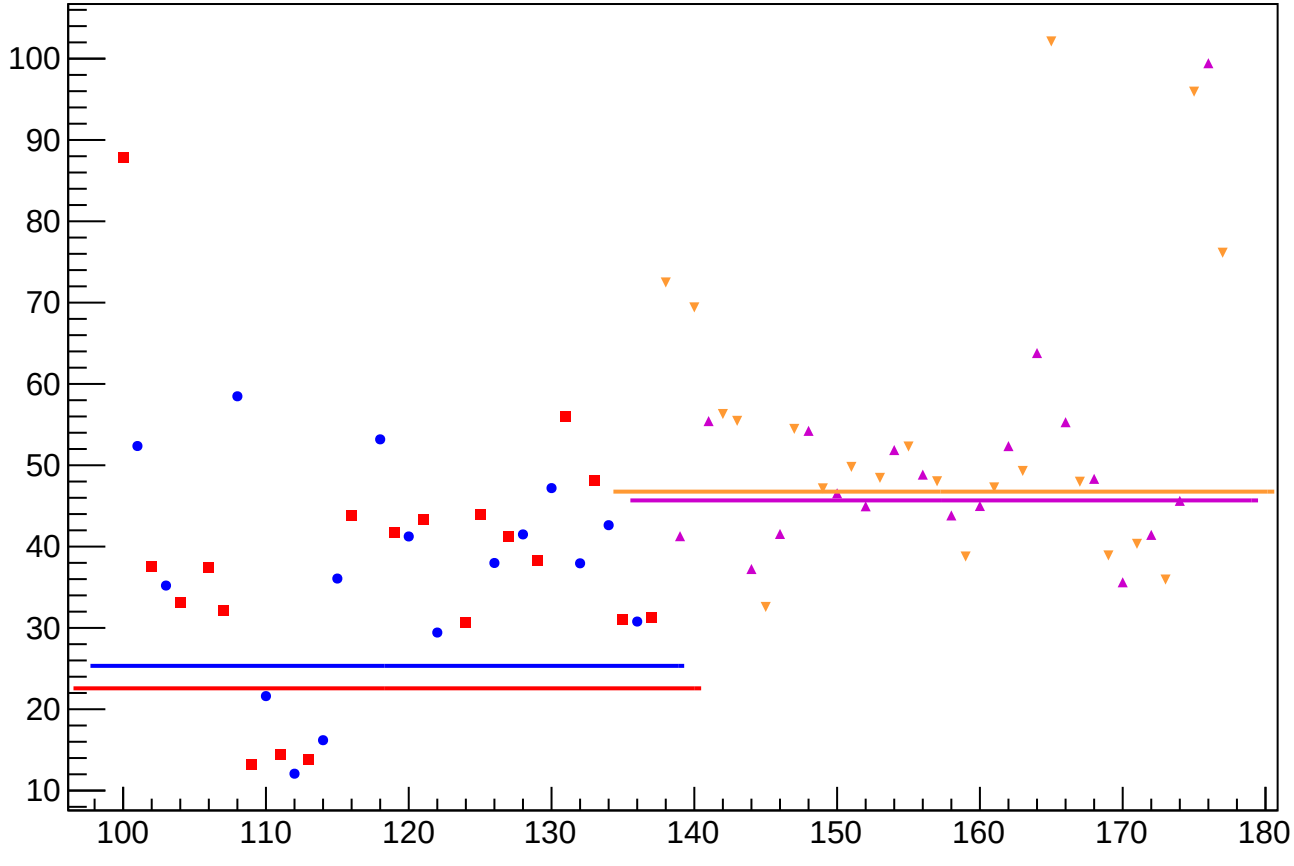
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.015+/-0.008 χ^2/NDF:40.7/34

Out: -0.010+/-0.008 χ^2/NDF:36.1/39

All: 0.002+/-0.006 χ^2/NDF: 81.8/74

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: 46.759+/-0.009 χ^2/NDF:2001232.4/20

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 45.678+/-0.009 χ^2/NDF:861581.7/18

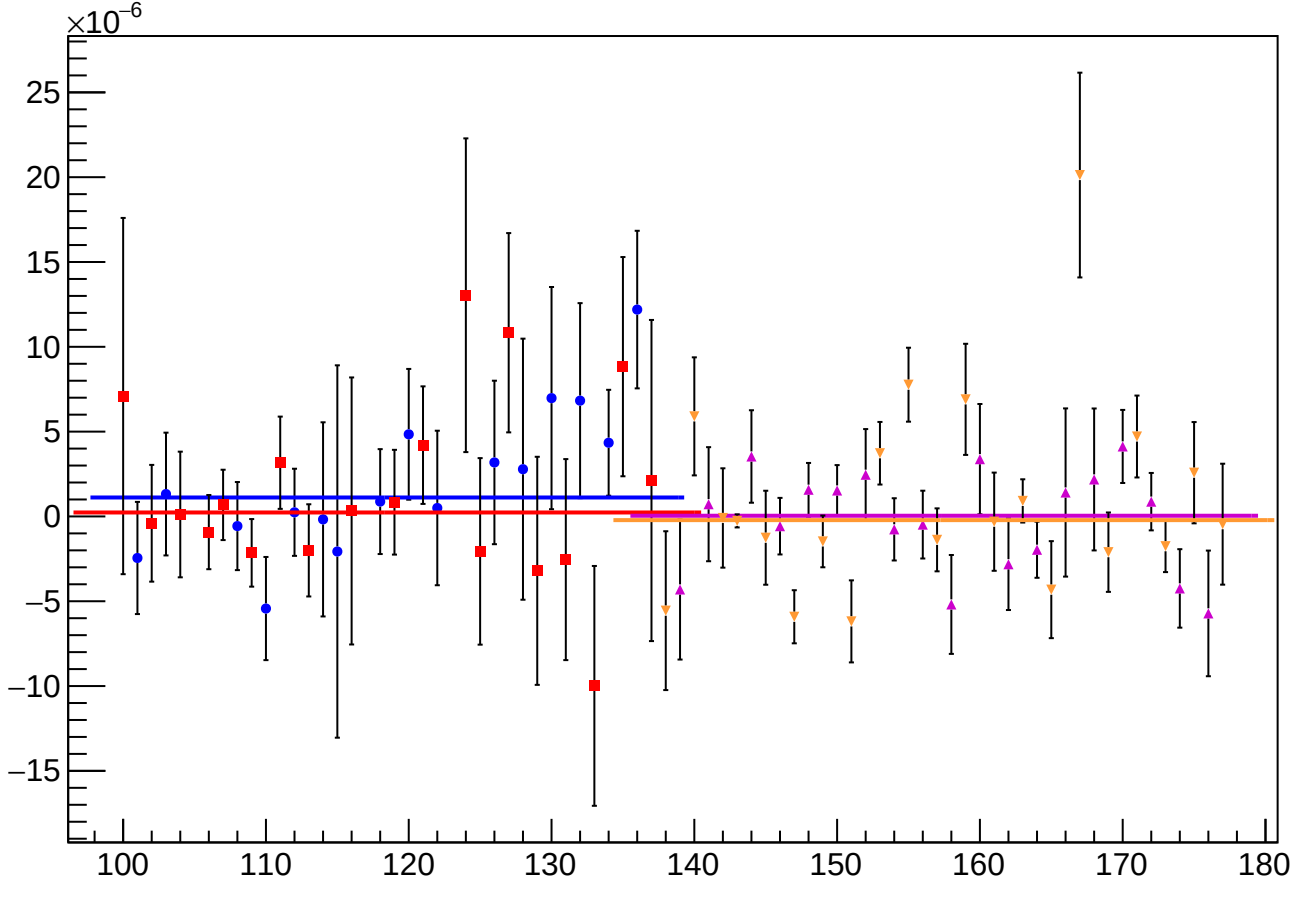
Left: 46.221+/-0.006 χ^2/NDF: 2870737.2/39

Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 34.545+/-0.006 χ^2/NDF:6845918.2/34

Out: 32.145+/-0.005 χ^2/NDF:9961436.3/39

All: 33.259+/-0.004 χ^2/NDF: 16899456.3/74



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:68.6/20

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.000 χ^2/NDF:22.8/18

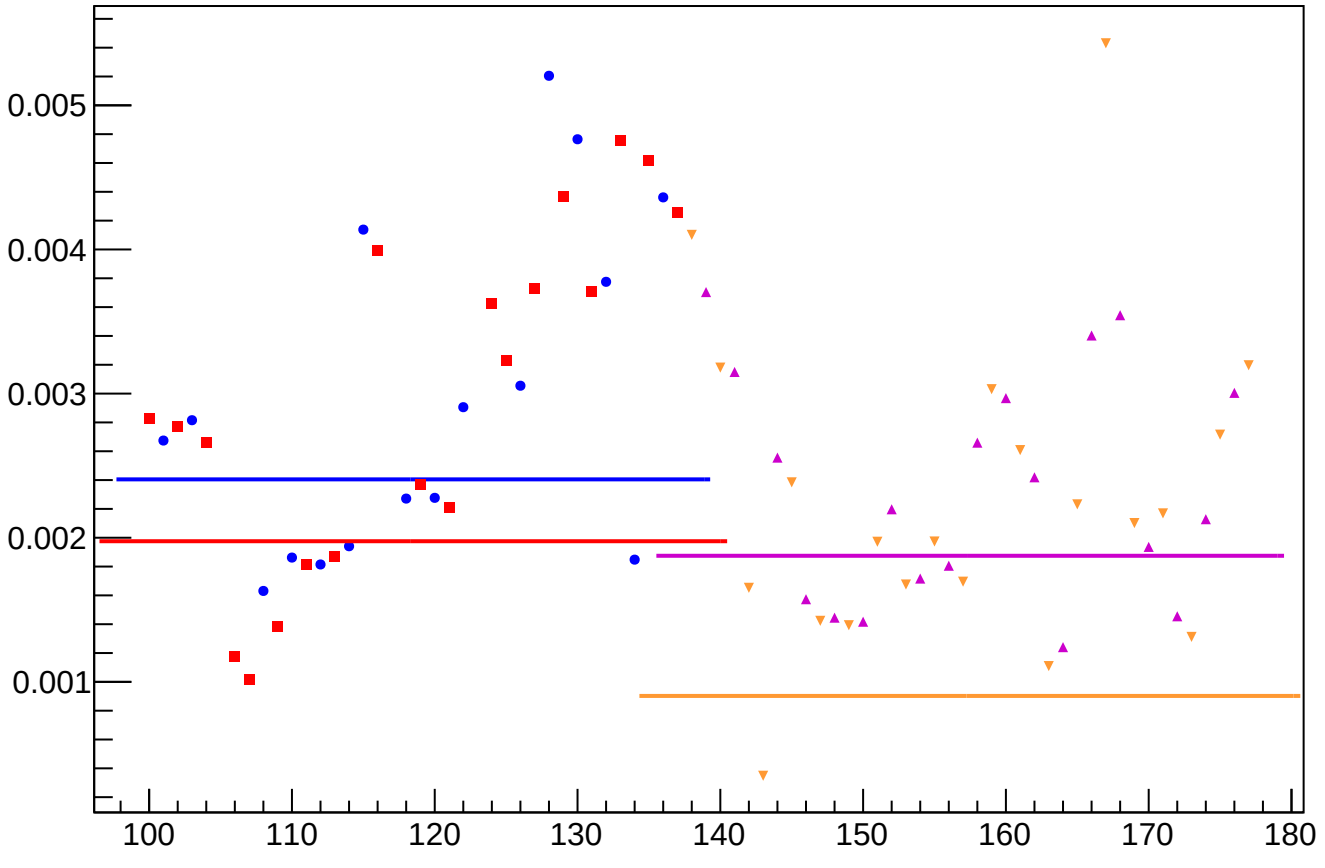
Left: -0.000+/-0.000 χ^2/NDF: 91.6/39

Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: 0.000+/-0.000 χ^2/NDF:40.0/34

Out: -0.000+/-0.000 χ^2/NDF:84.0/39

All: -0.000+/-0.000 χ^2/NDF: 124.7/74



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:14563503.9/20

Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.002+/-0.000 χ^2/NDF:2840242.5/18

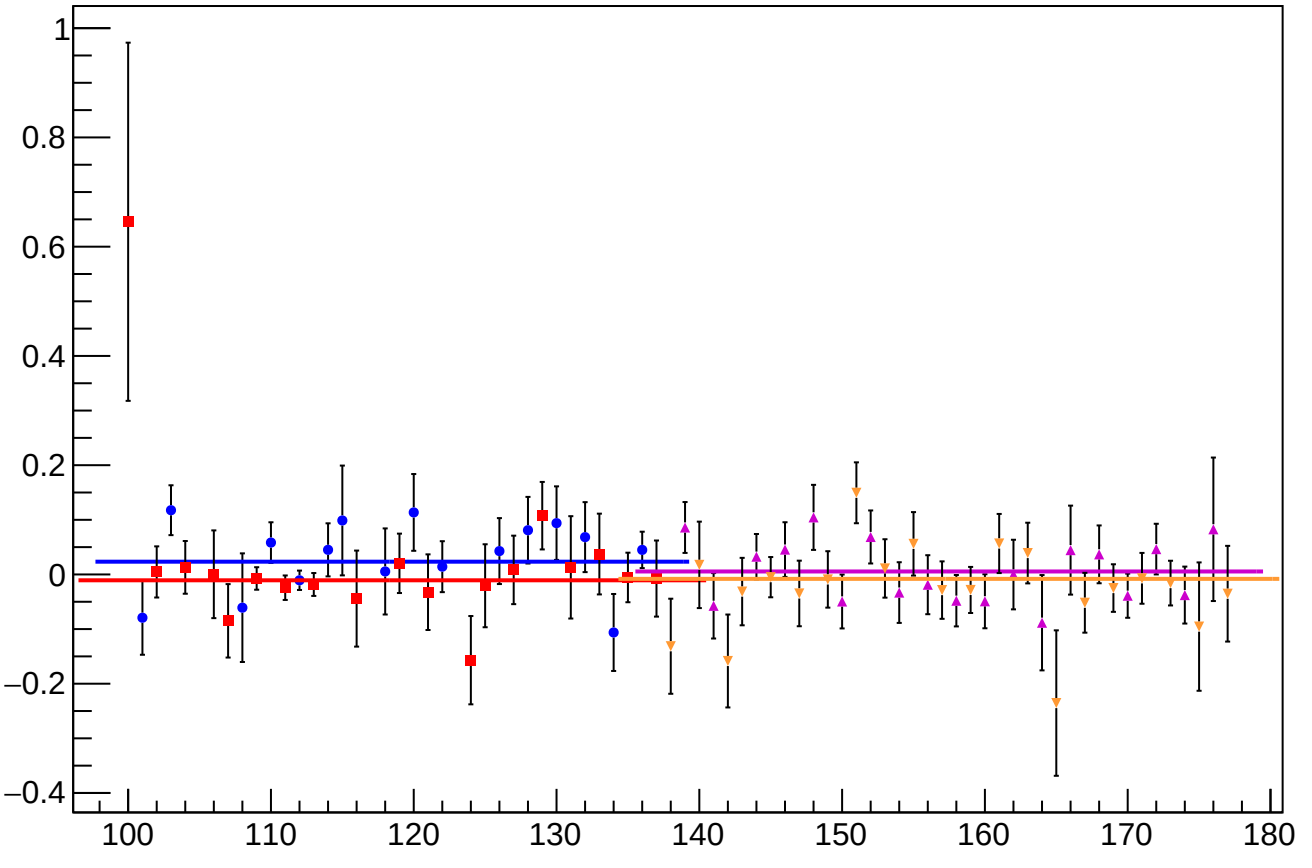
Left: 0.001+/-0.000 χ^2/NDF: 22736353.9/39

Right: 0.002+/-0.000 χ^2/NDF: 4581712.7/34

In: 0.002+/-0.000 χ^2/NDF:4891061.8/34

Out: 0.001+/-0.000 χ^2/NDF:20400371.6/39

All: 0.001+/-0.000 χ^2/NDF: 31757107.8/74



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:21.8/20

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.005+/-0.012 χ^2/NDF:18.8/18

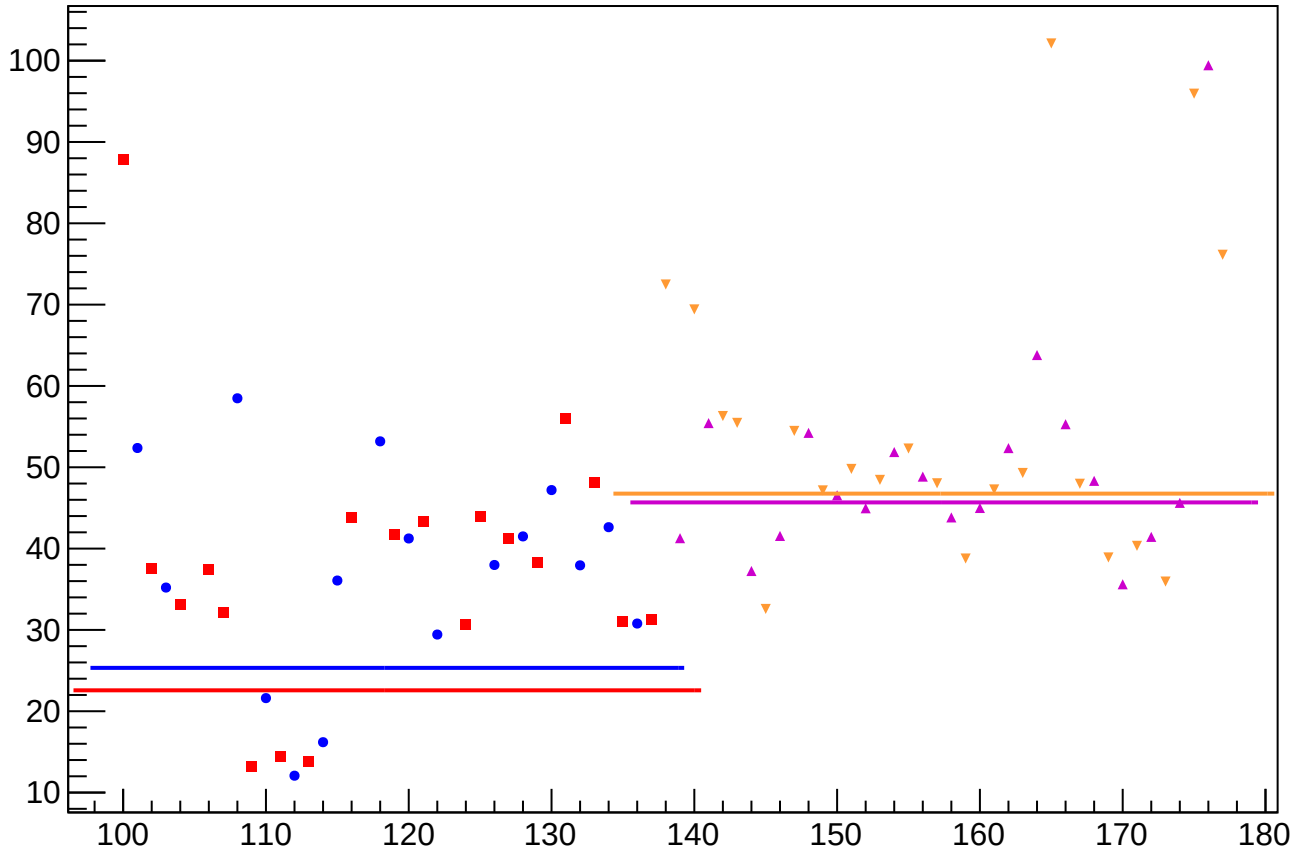
Left: -0.001+/-0.009 χ^2/NDF: 41.3/39

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.015+/-0.008 χ^2/NDF:40.7/34

Out: -0.010+/-0.008 χ^2/NDF:36.1/39

All: 0.002+/-0.006 χ^2/NDF: 81.8/74



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 46.759+/-0.009 χ^2/NDF:2001190.5/20

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 45.678+/-0.009 χ^2/NDF:861574.5/18

Left: 46.221+/-0.006 χ^2/NDF: 2870688.1/39

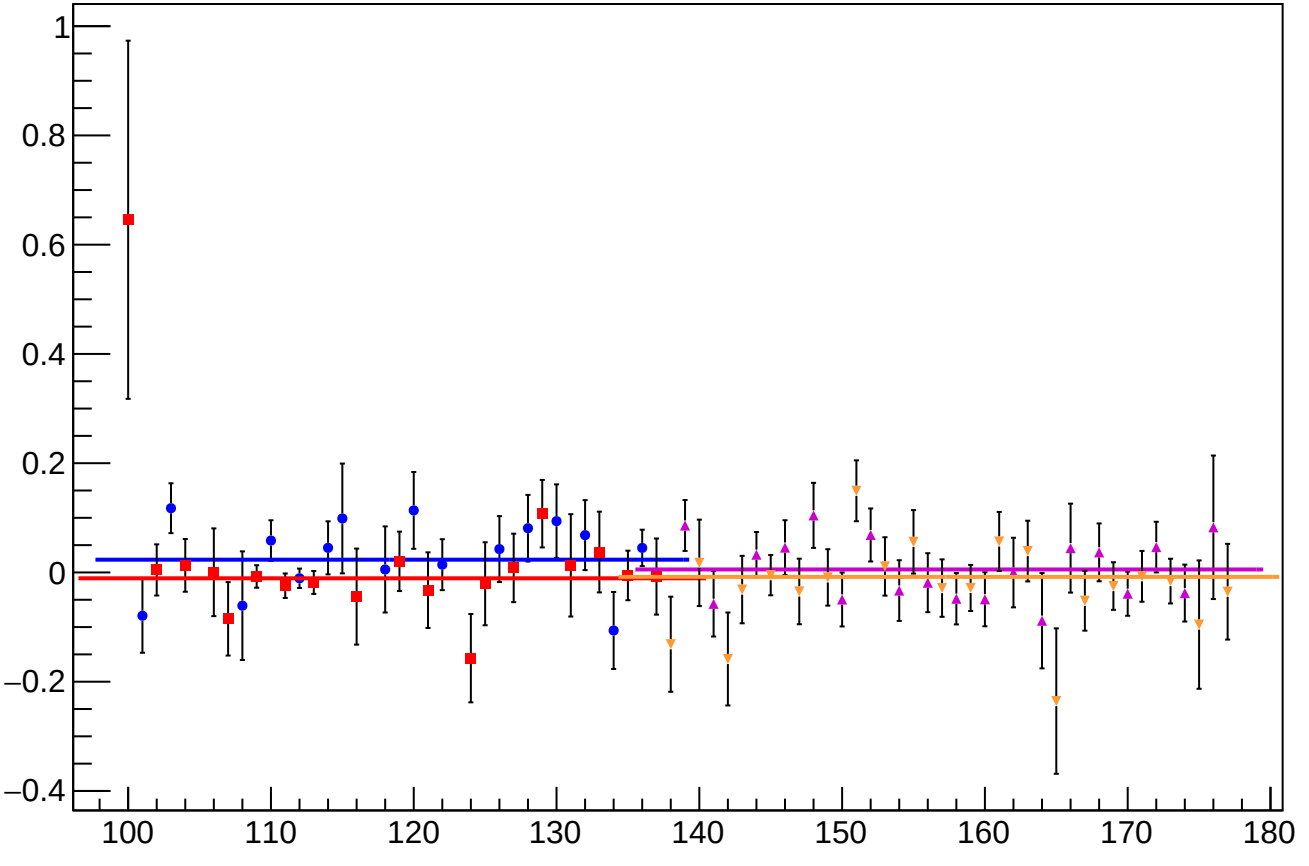
Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 34.544+/-0.006 χ^2/NDF:6846869.1/34

Out: 32.145+/-0.005 χ^2/NDF:9961768.4/39

All: 33.258+/-0.004 χ^2/NDF: 16900685.0/74

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.008+/-0.012 χ^2/NDF:21.8/20

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.005+/-0.012 χ^2/NDF:18.8/18

Left: -0.001+/-0.009 χ^2/NDF: 41.3/39

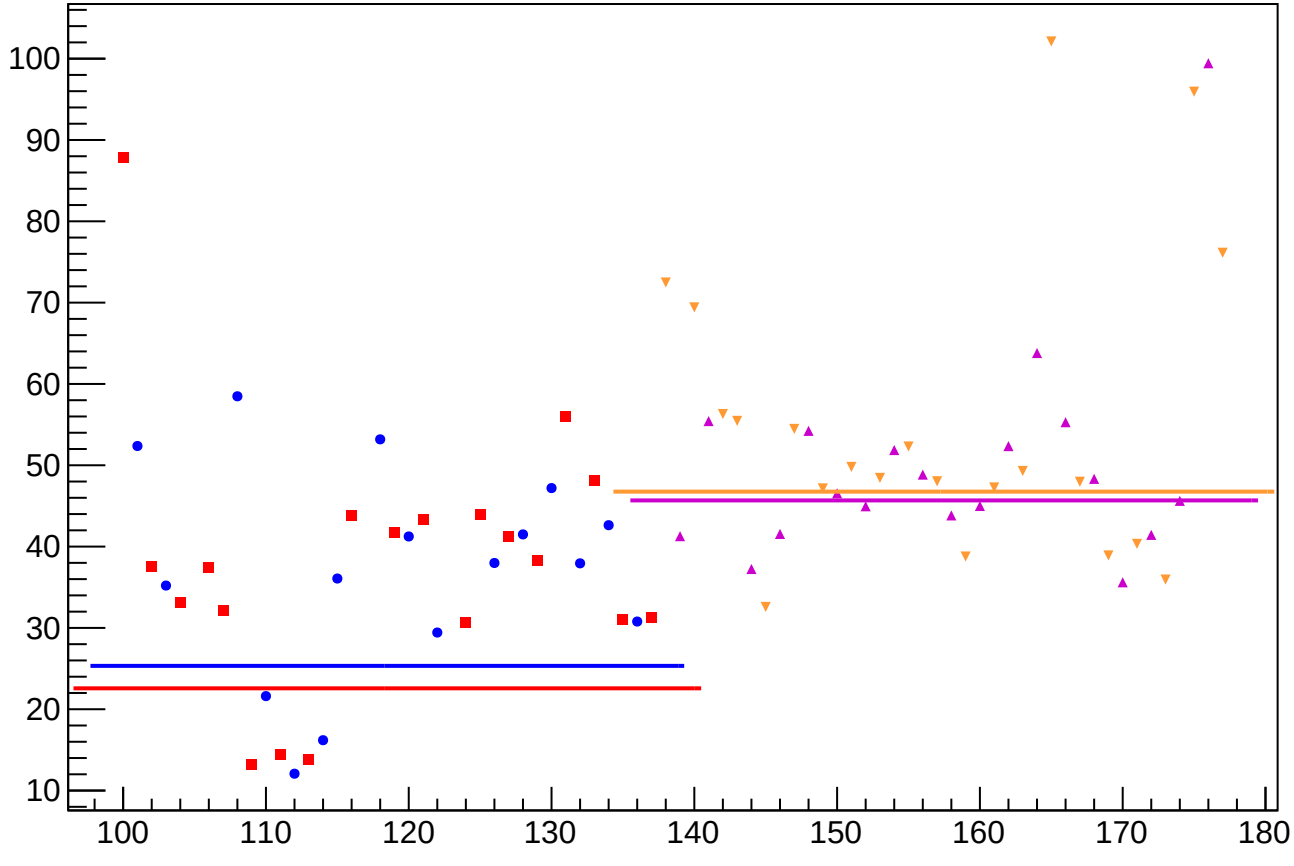
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.015+/-0.008 χ^2/NDF:40.7/34

Out: -0.010+/-0.008 χ^2/NDF:36.1/39

All: 0.002+/-0.006 χ^2/NDF: 81.8/74

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: 46.759+/-0.009 χ^2/NDF:2001190.5/20

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 45.678+/-0.009 χ^2/NDF:861574.5/18

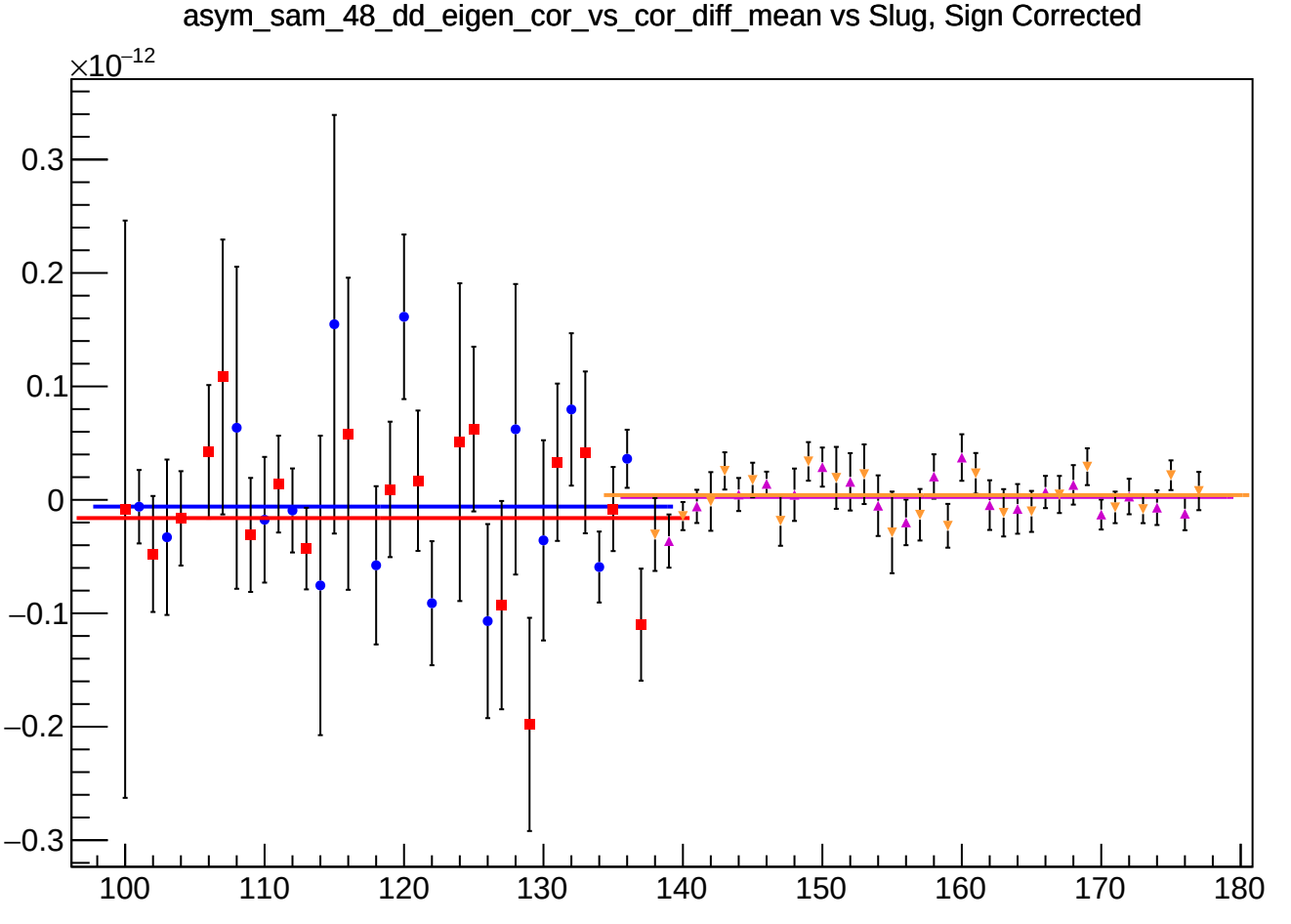
Left: 46.221+/-0.006 χ^2/NDF: 2870688.1/39

Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 34.544+/-0.006 χ^2/NDF:6846869.1/34

Out: 32.145+/-0.005 χ^2/NDF:9961768.4/39

All: 33.258+/-0.004 χ^2/NDF: 16900685.0/74



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.3/20

Right Out: -0.000+/-0.000 χ^2/NDF: 15.0/18

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

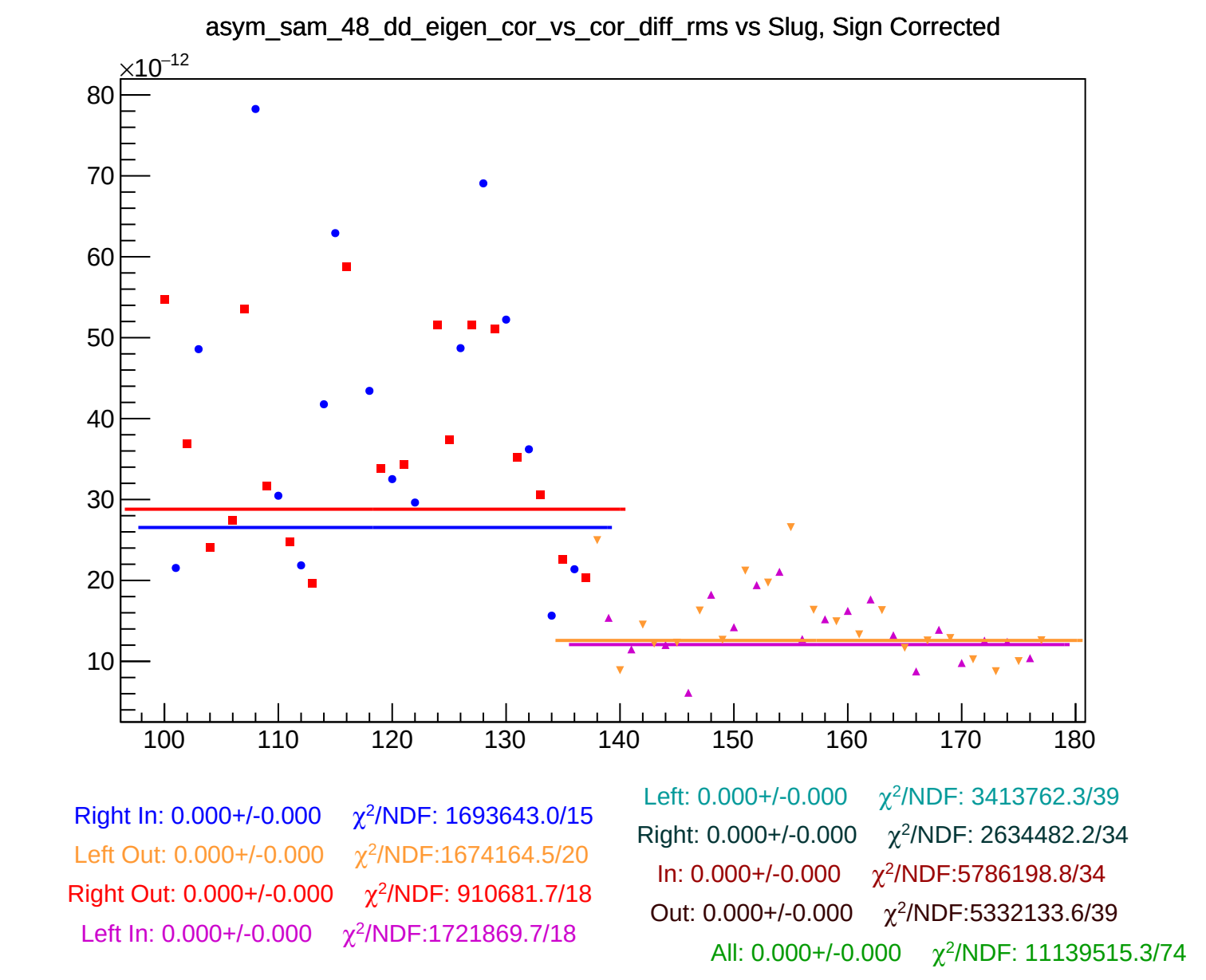
Left: 0.000+/-0.000 χ^2/NDF: 37.9/39

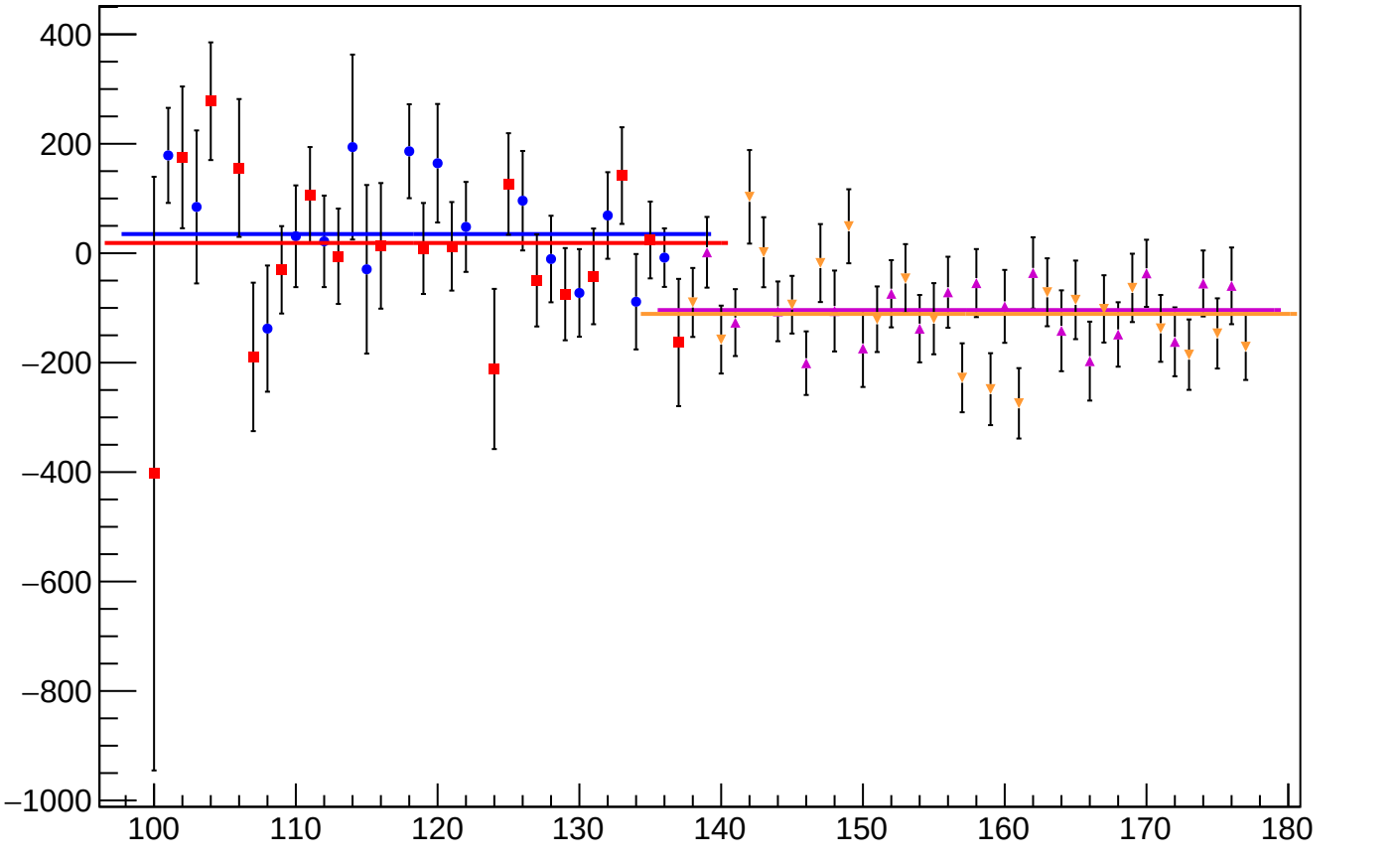
Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: 0.000+/-0.000 χ^2/NDF:34.7/34

Out: 0.000+/-0.000 χ^2/NDF:39.4/39

All: 0.000+/-0.000 χ^2/NDF: 74.2/74


asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1693643.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1674164.5/20
Right Out: 0.000+/-0.000 χ²/NDF: 910681.7/18
Left In: 0.000+/-0.000 χ²/NDF:1721869.7/18
Left: 0.000+/-0.000 χ²/NDF: 3413762.3/39
Right: 0.000+/-0.000 χ²/NDF: 2634482.2/34
In: 0.000+/-0.000 χ²/NDF:5786198.8/34
Out: 0.000+/-0.000 χ²/NDF:5332133.6/39
All: 0.000+/-0.000 χ²/NDF: 11139515.3/74



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -110.915+/-13.921 χ^2/NDF:36.8/20

Right Out: 18.690+/-22.137 χ^2/NDF: 23.5/18

Left In: -103.908+/-14.634 χ^2/NDF:14.7/18

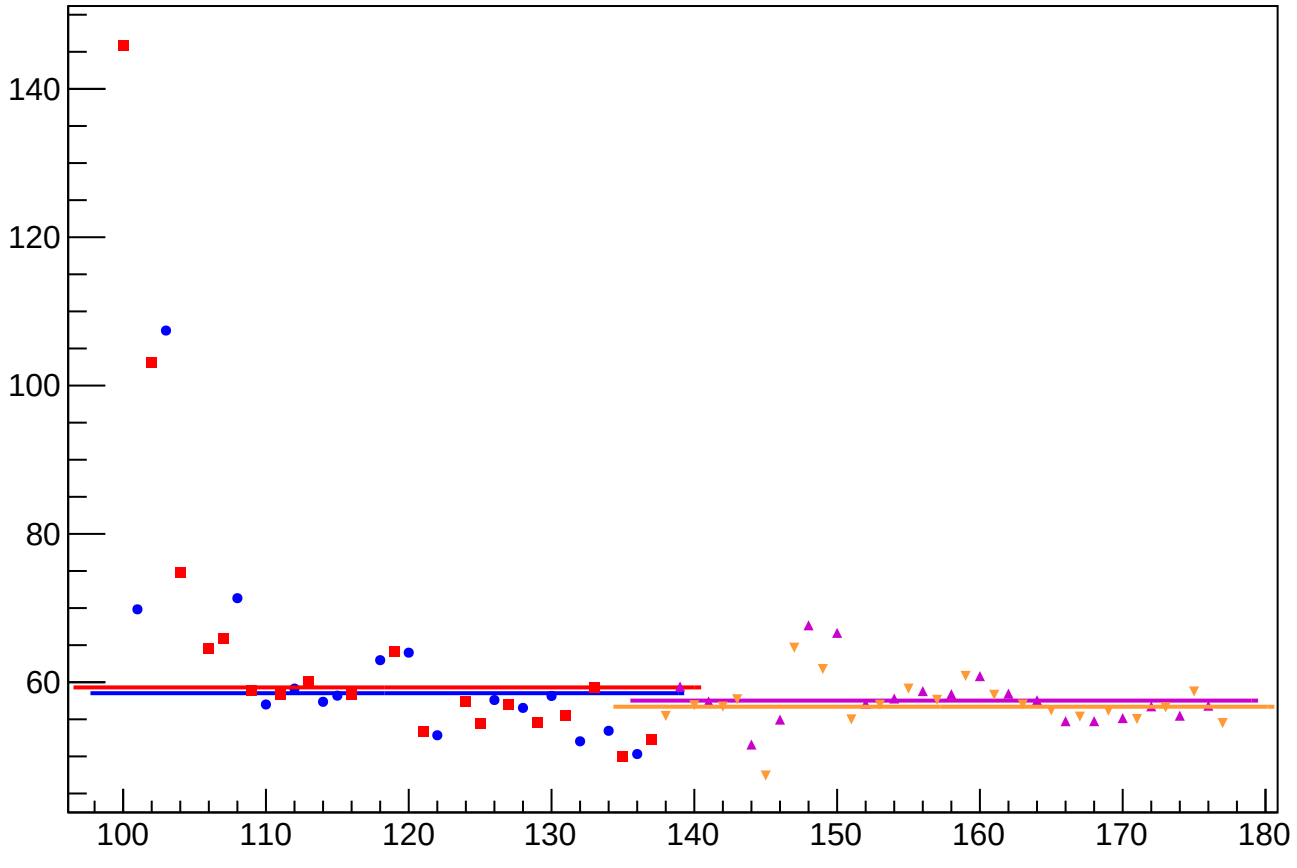
Left: -107.586+/-10.086 χ^2/NDF: 51.6/39

Right: 26.855+/-15.652 χ^2/NDF: 40.0/34

In: -61.653+/-12.207 χ^2/NDF:58.3/34

Out: -74.187+/-11.784 χ^2/NDF:84.9/39

All: -68.141+/-8.478 χ^2/NDF: 143.7/74



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 56.699+/-0.010 χ^2/NDF:120994.6/20

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

Left In: 57.524+/-0.010 χ^2/NDF:120254.5/18

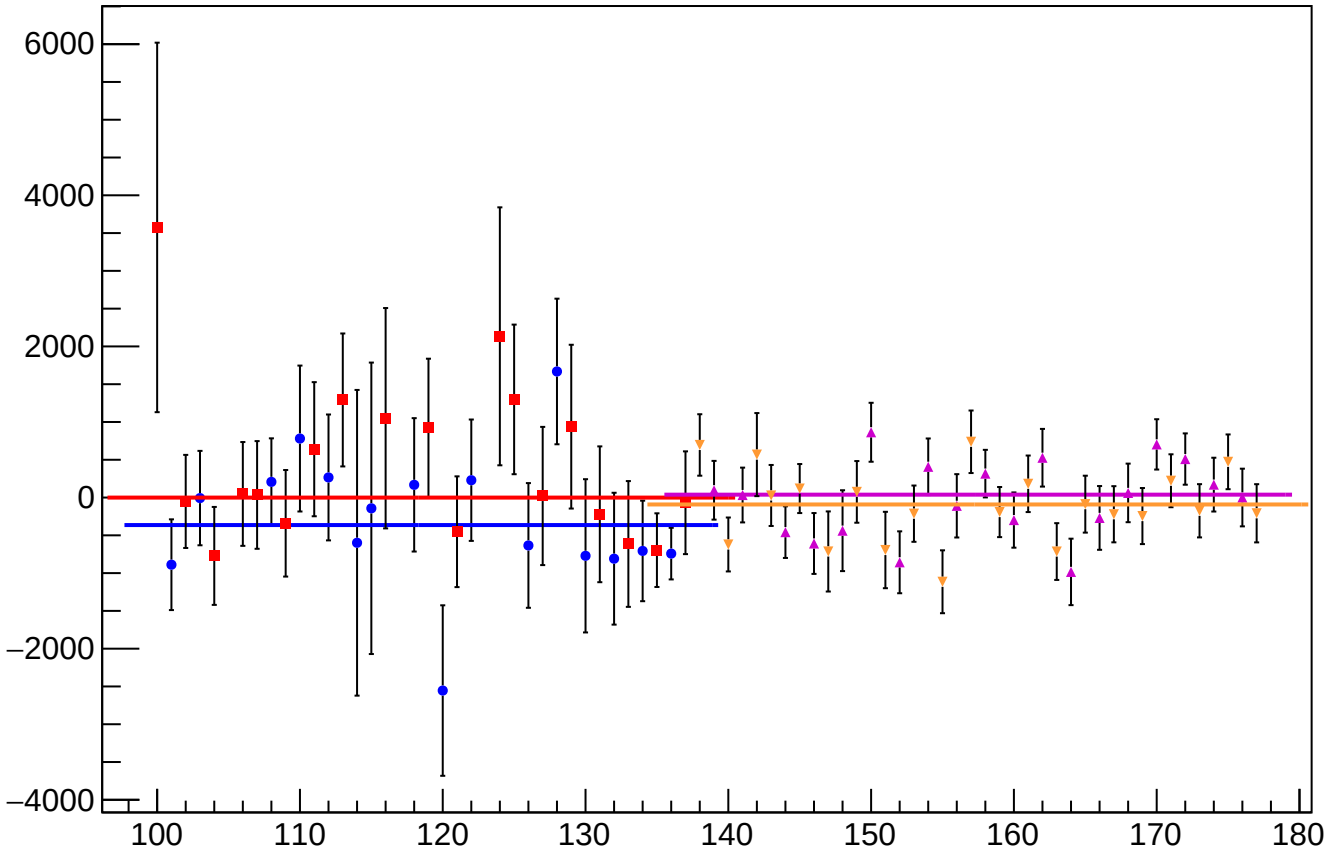
Left: 57.091+/-0.007 χ^2/NDF: 244591.3/39

Right: 58.911+/-0.011 χ^2/NDF: 800594.3/34

In: 57.828+/-0.009 χ^2/NDF:515822.8/34

Out: 57.436+/-0.008 χ^2/NDF:547417.8/39

All: 57.625+/-0.006 χ^2/NDF: 1064305.2/74



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: -91.552+/-84.334 χ^2/NDF:28.1/20

Right Out: -0.570+/-183.085 χ^2/NDF: 15.1/18

Left In: 38.184+/-86.990 χ^2/NDF:31.1/18

Left: -28.695+/-60.551 χ^2/NDF: 60.4/39

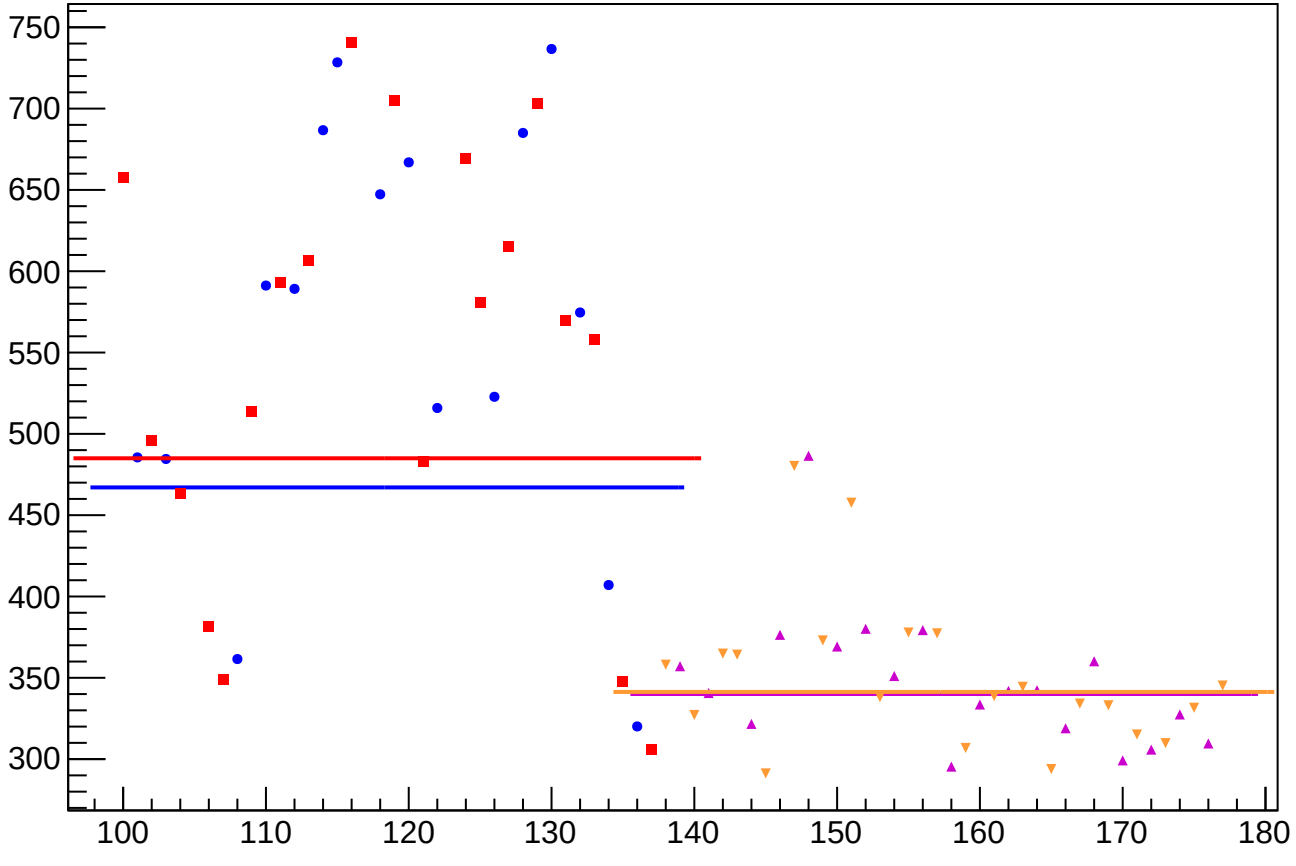
Right: -184.806+/-128.573 χ^2/NDF: 32.3/34

In: -37.568+/-78.373 χ^2/NDF:50.4/34

Out: -75.626+/-76.599 χ^2/NDF:43.4/39

All: -57.033+/-54.780 χ^2/NDF: 93.9/74

asym_sam_13_57_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 467.068+/-0.128 χ^2/NDF: 1030279.0/15

Left Out: 341.317+/-0.060 χ^2/NDF:434503.2/20

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

Left In: 340.038+/-0.062 χ^2/NDF:342479.7/18

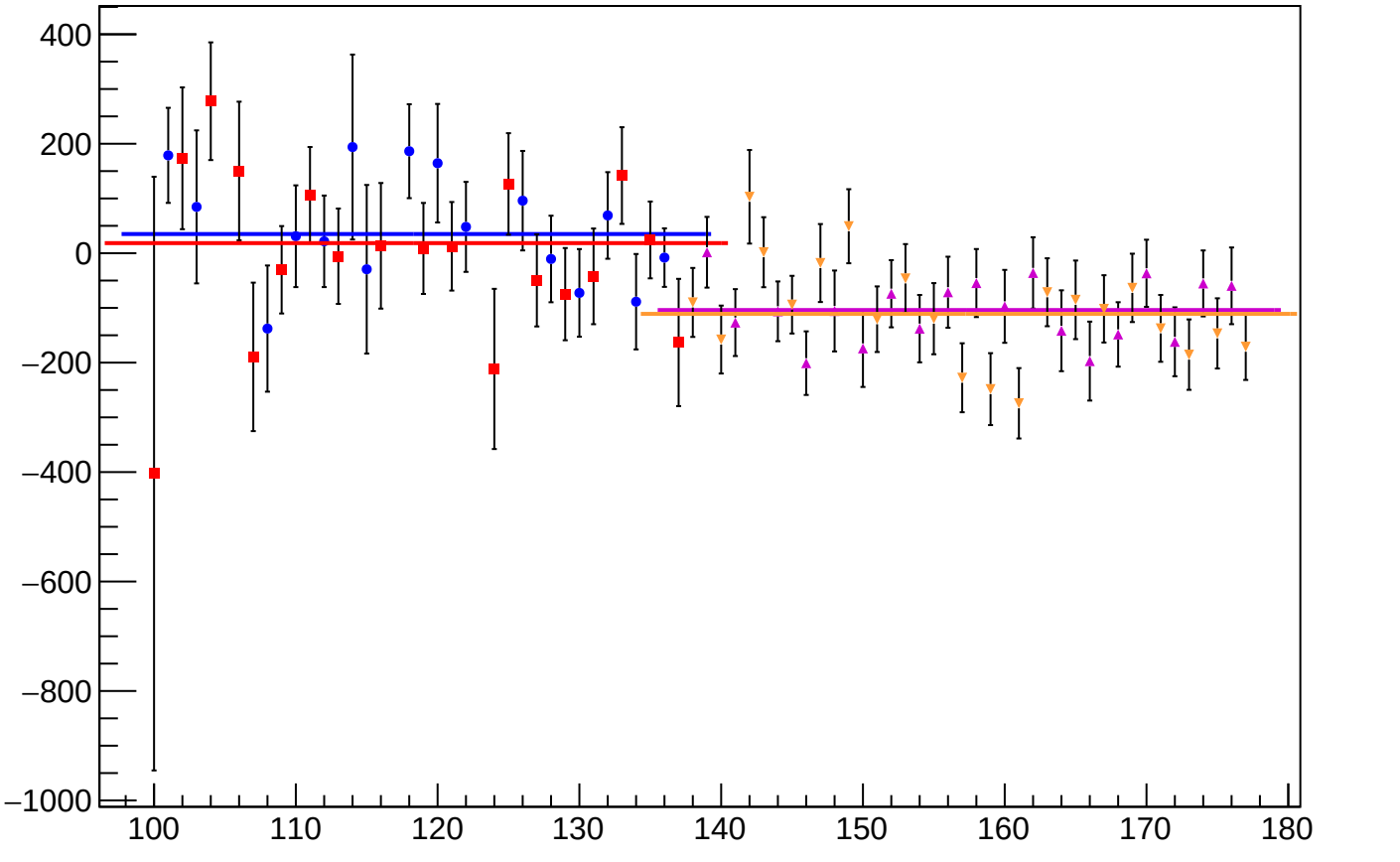
Left: 340.697+/-0.043 χ^2/NDF: 777205.7/39

Right: 475.902+/-0.091 χ^2/NDF: 1914085.4/34

In: 363.960+/-0.055 χ^2/NDF:2175891.8/34

Out: 366.464+/-0.054 χ^2/NDF:2324519.3/39

All: 365.241+/-0.039 χ^2/NDF: 4501454.8/74



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -110.914+/-13.921 χ^2/NDF:36.8/20

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -103.909+/-14.634 χ^2/NDF:14.7/18

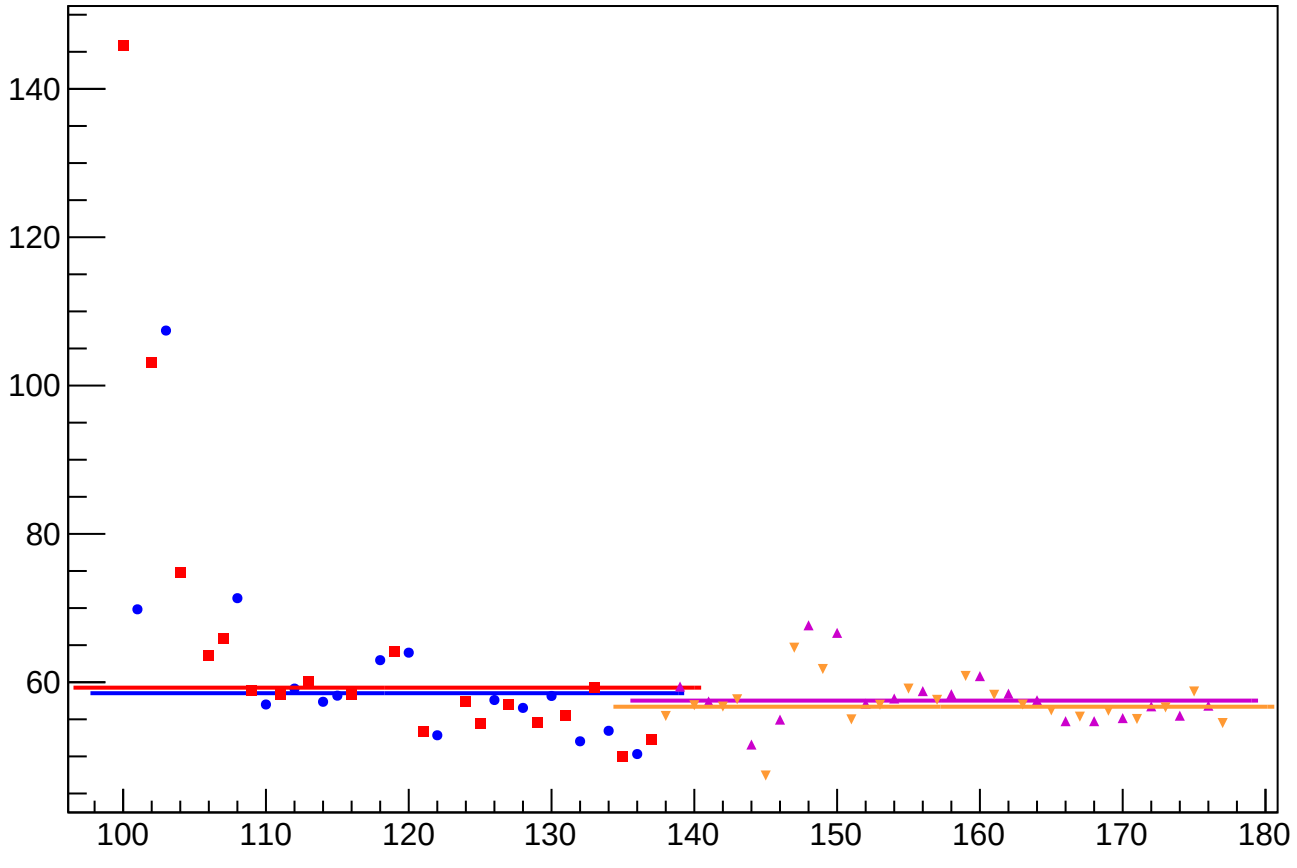
Left: -107.586+/-10.086 χ^2/NDF: 51.6/39

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -61.655+/-12.207 χ^2/NDF:58.3/34

Out: -74.273+/-11.785 χ^2/NDF:84.6/39

All: -68.186+/-8.479 χ^2/NDF: 143.5/74



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.699+/-0.010 χ^2/NDF:120994.6/20

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.524+/-0.010 χ^2/NDF:120254.5/18

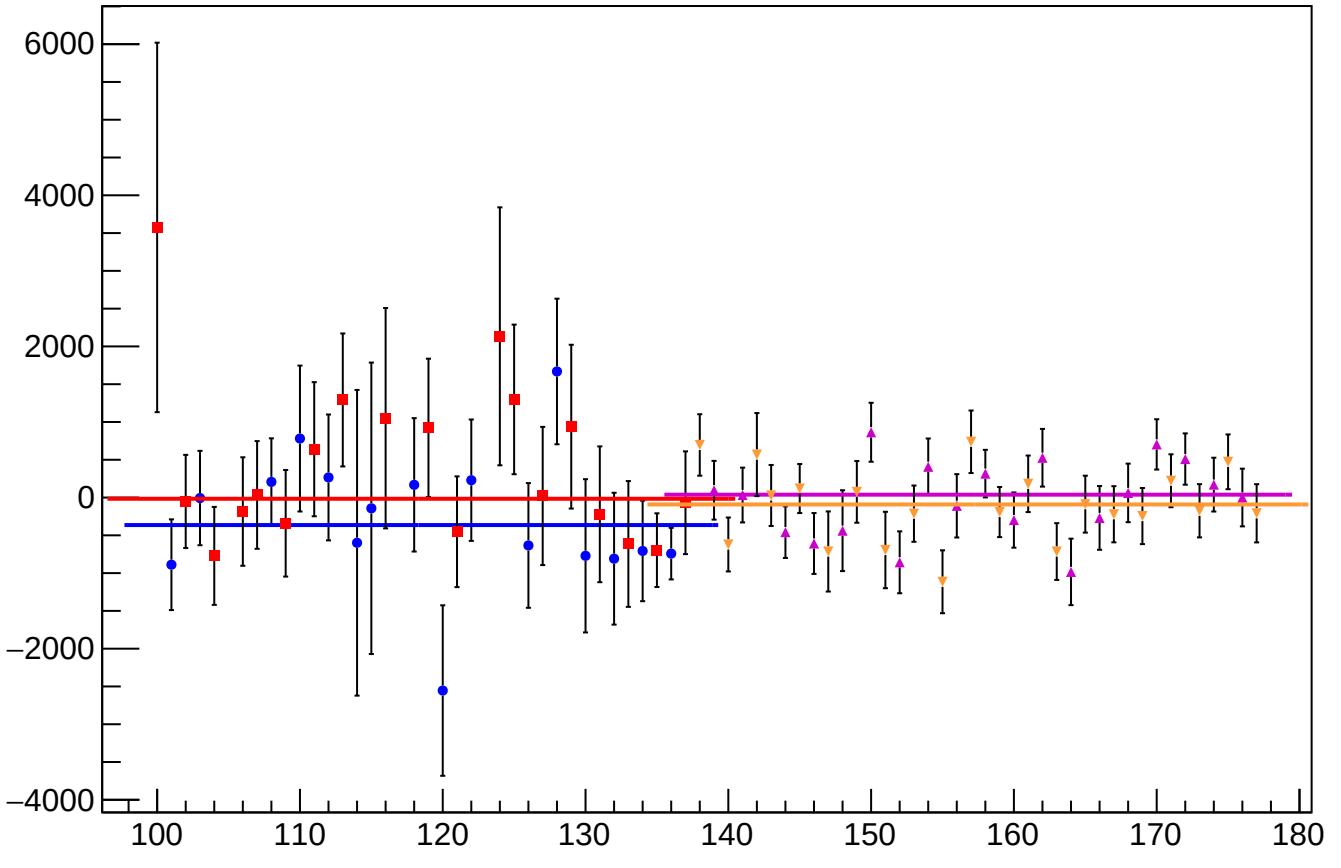
Left: 57.091+/-0.007 χ^2/NDF: 244591.3/39

Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 57.828+/-0.009 χ^2/NDF:515824.9/34

Out: 57.427+/-0.008 χ^2/NDF:545935.9/39

All: 57.620+/-0.006 χ^2/NDF: 1062876.1/74



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -91.553+/-84.334 χ^2/NDF:28.1/20

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: 38.183+/-86.990 χ^2/NDF:31.1/18

Left: -28.696+/-60.551 χ^2/NDF: 60.4/39

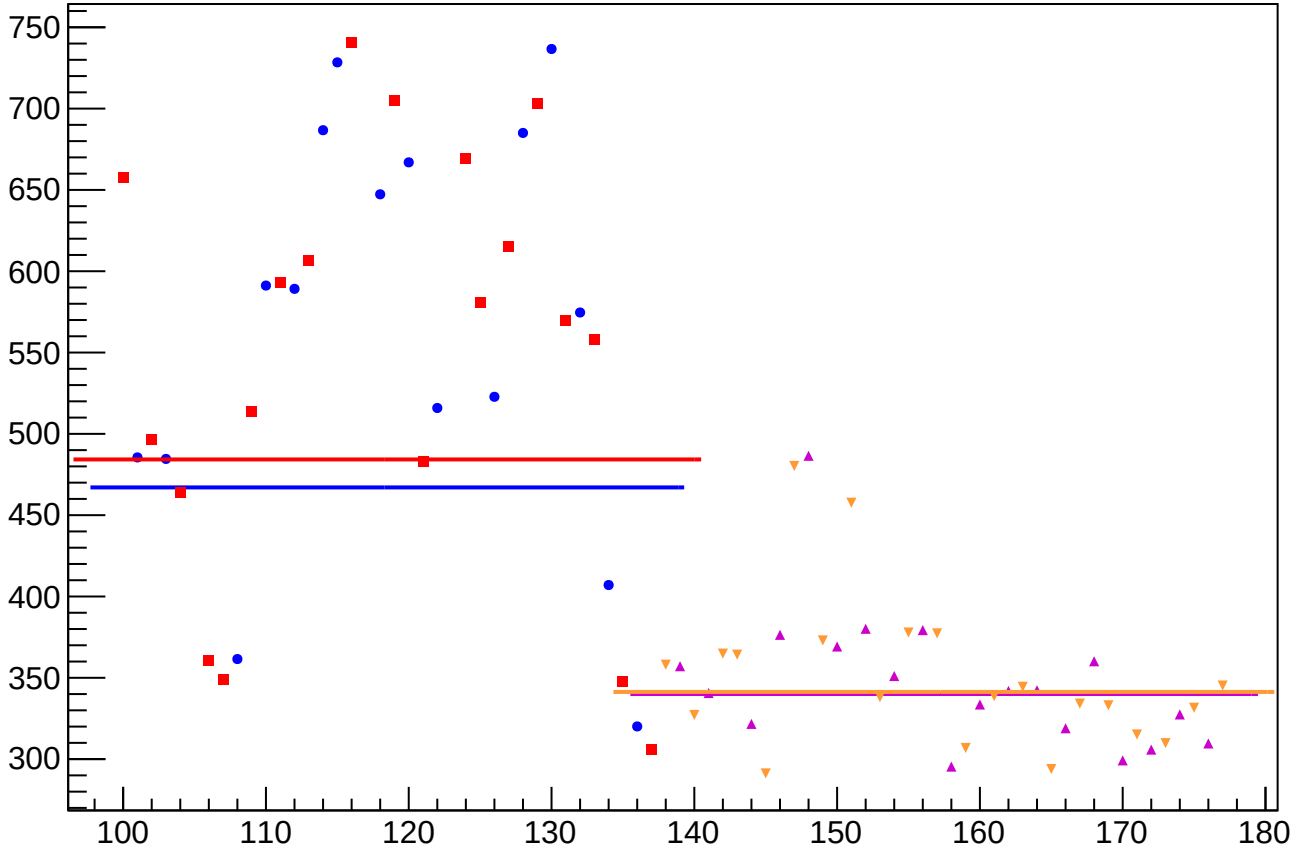
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -37.562+/-78.373 χ^2/NDF:50.4/34

Out: -78.411+/-76.640 χ^2/NDF:43.4/39

All: -58.443+/-54.795 χ^2/NDF: 93.9/74

asym_sam_13_57_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 341.317+/-0.060 χ^2/NDF:434502.8/20

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 340.038+/-0.062 χ^2/NDF:342483.4/18

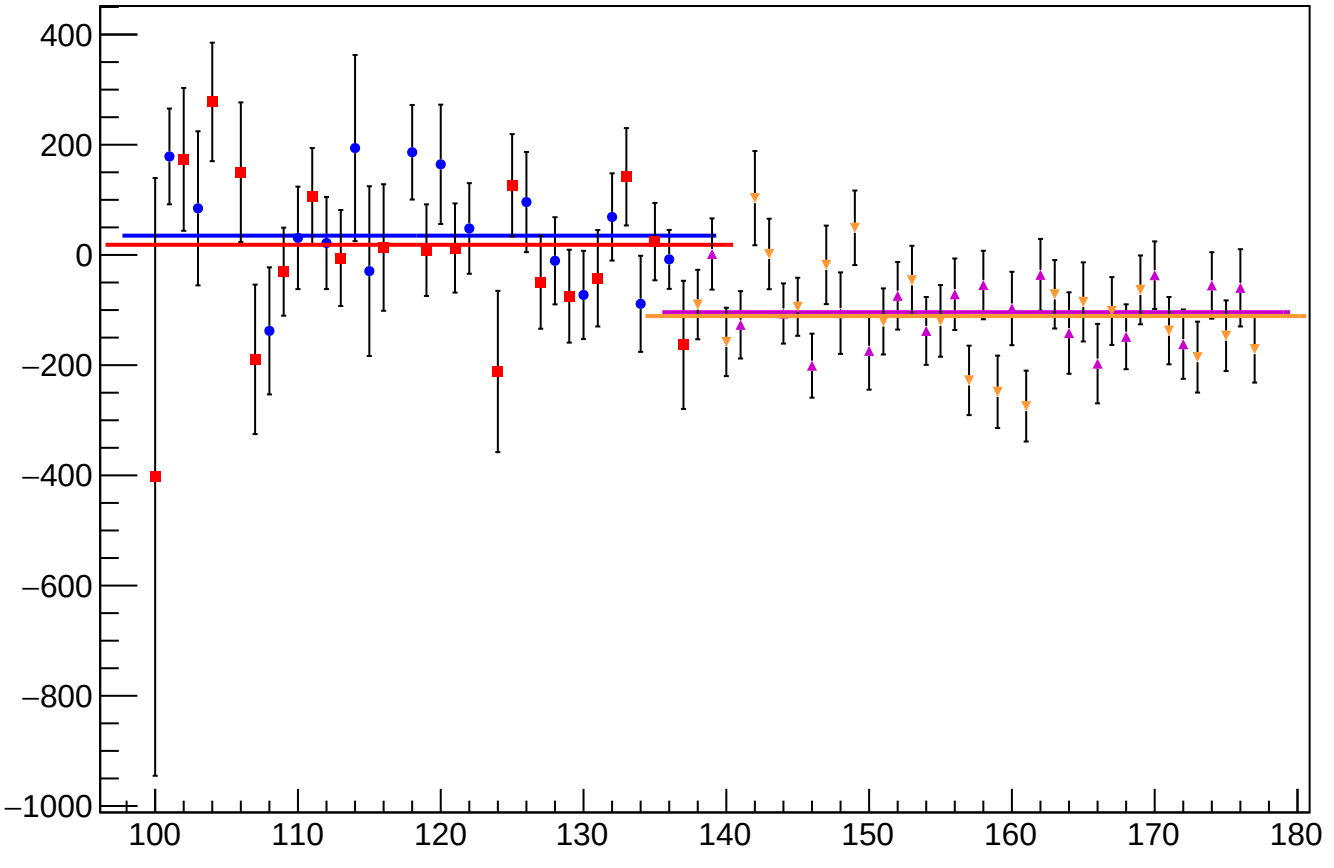
Left: 340.697+/-0.043 χ^2/NDF: 777209.0/39

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 363.961+/-0.055 χ^2/NDF:2175923.6/34

Out: 366.213+/-0.054 χ^2/NDF:2324119.1/39

All: 365.112+/-0.039 χ^2/NDF: 4500887.3/74



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -110.914+/-13.921 χ^2/NDF:36.8/20

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -103.909+/-14.634 χ^2/NDF:14.7/18

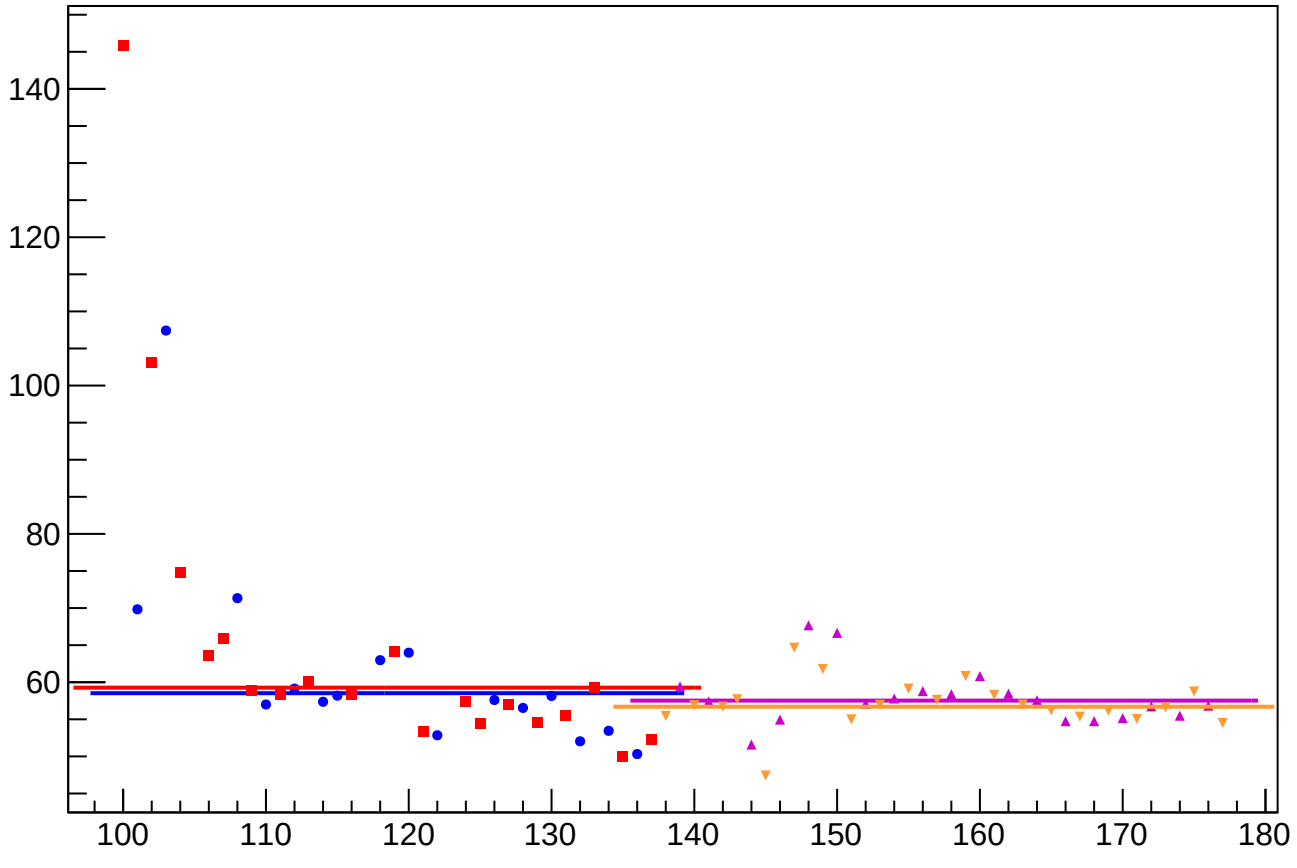
Left: -107.586+/-10.086 χ^2/NDF: 51.6/39

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -61.655+/-12.207 χ^2/NDF:58.3/34

Out: -74.273+/-11.785 χ^2/NDF:84.6/39

All: -68.186+/-8.479 χ^2/NDF: 143.5/74



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.699+/-0.010 χ^2/NDF:120994.6/20

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.524+/-0.010 χ^2/NDF:120254.5/18

Left: 57.091+/-0.007 χ^2/NDF: 244591.3/39

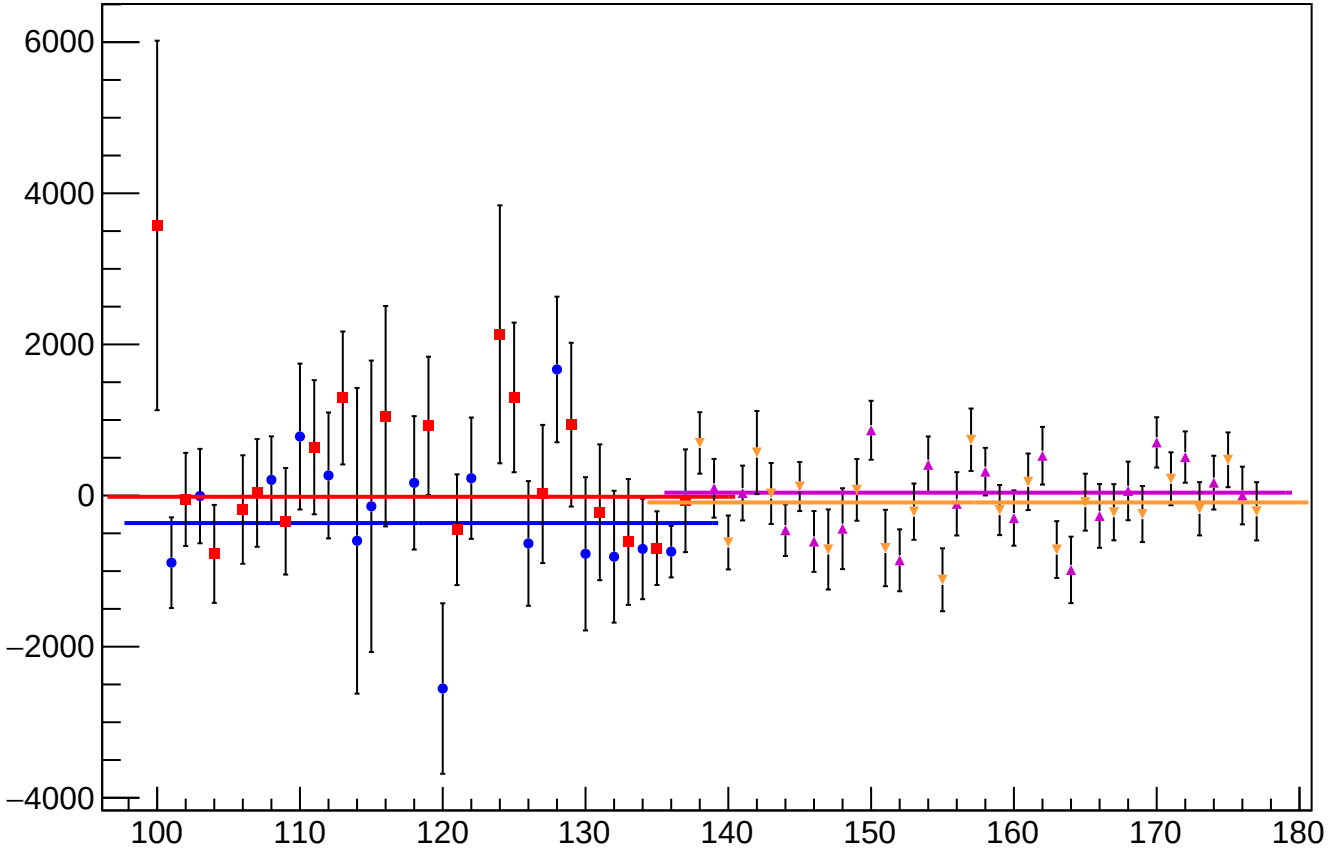
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 57.828+/-0.009 χ^2/NDF:515824.9/34

Out: 57.427+/-0.008 χ^2/NDF:545935.9/39

All: 57.620+/-0.006 χ^2/NDF: 1062876.1/74

asym_sam_13_57_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -91.553+/-84.334 χ^2/NDF:28.1/20

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: 38.183+/-86.990 χ^2/NDF:31.1/18

Left: -28.696+/-60.551 χ^2/NDF: 60.4/39

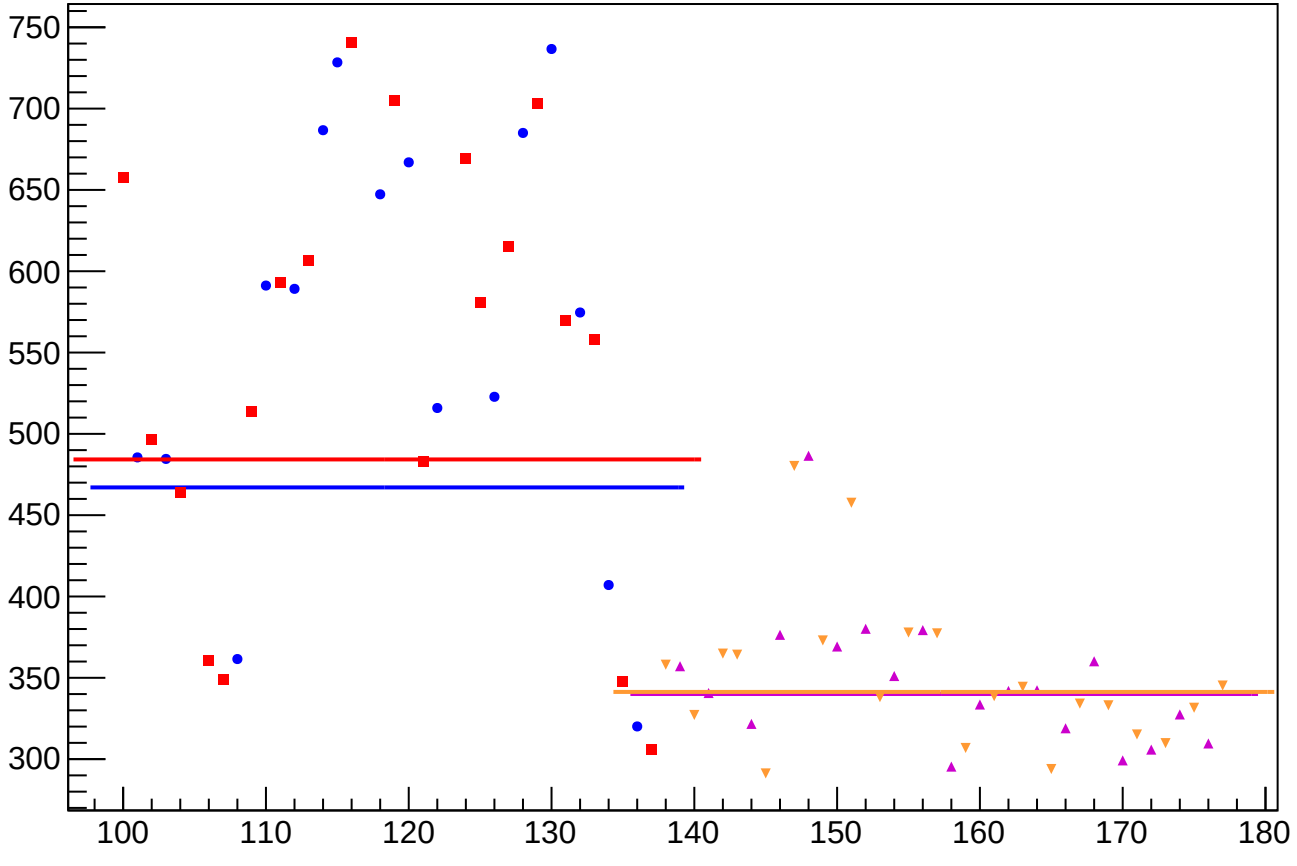
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -37.562+/-78.373 χ^2/NDF:50.4/34

Out: -78.411+/-76.640 χ^2/NDF:43.4/39

All: -58.443+/-54.795 χ^2/NDF: 93.9/74

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 341.317+/-0.060 χ^2/NDF:434502.8/20

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 340.038+/-0.062 χ^2/NDF:342483.4/18

Left: 340.697+/-0.043 χ^2/NDF: 777209.0/39

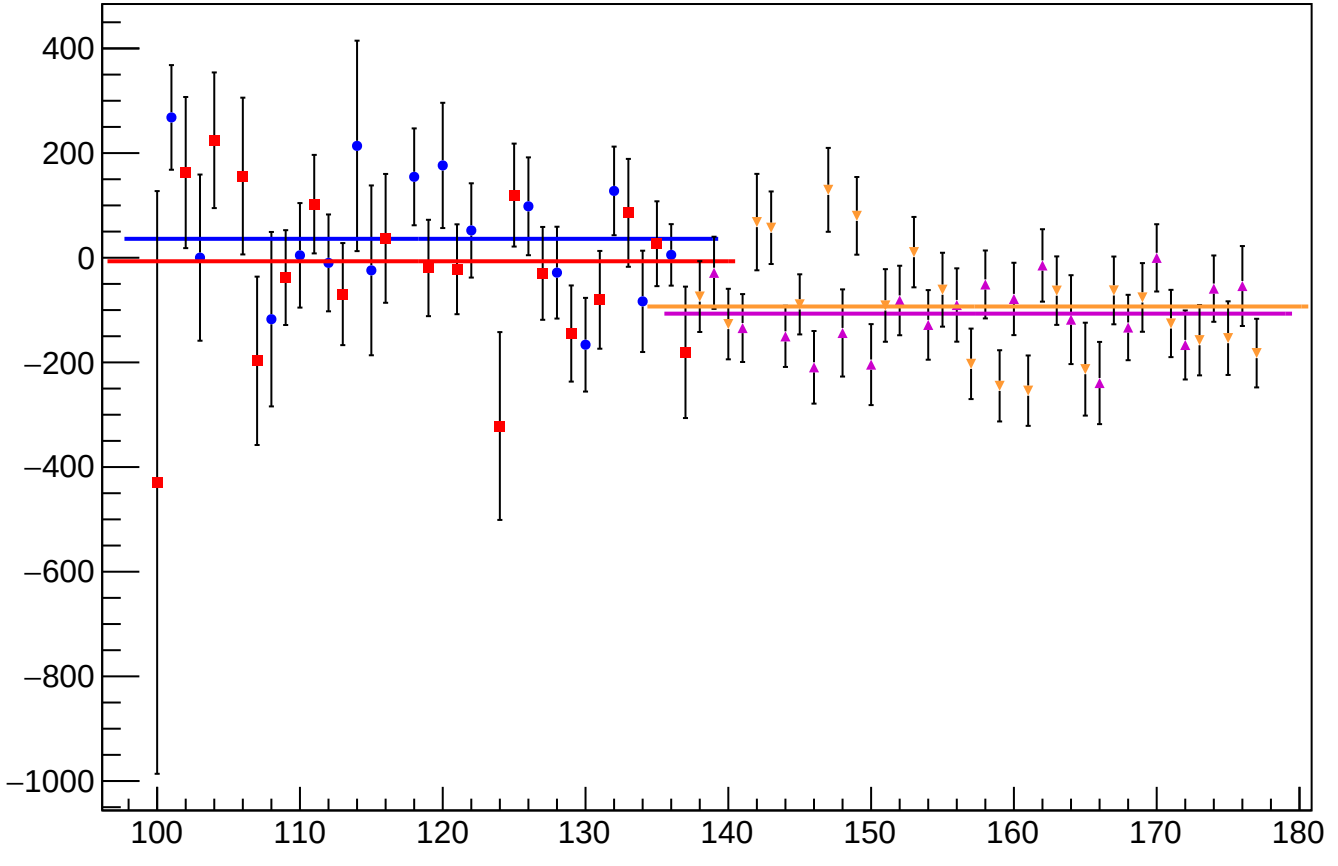
Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 363.961+/-0.055 χ^2/NDF:2175923.6/34

Out: 366.213+/-0.054 χ^2/NDF:2324119.1/39

All: 365.112+/-0.039 χ^2/NDF: 4500887.3/74

dit_asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -93.170+/-15.042 χ^2/NDF:43.3/20

Right Out: -6.734+/-24.565 χ^2/NDF: 20.3/18

Left In: -106.835+/-15.772 χ^2/NDF:16.6/18

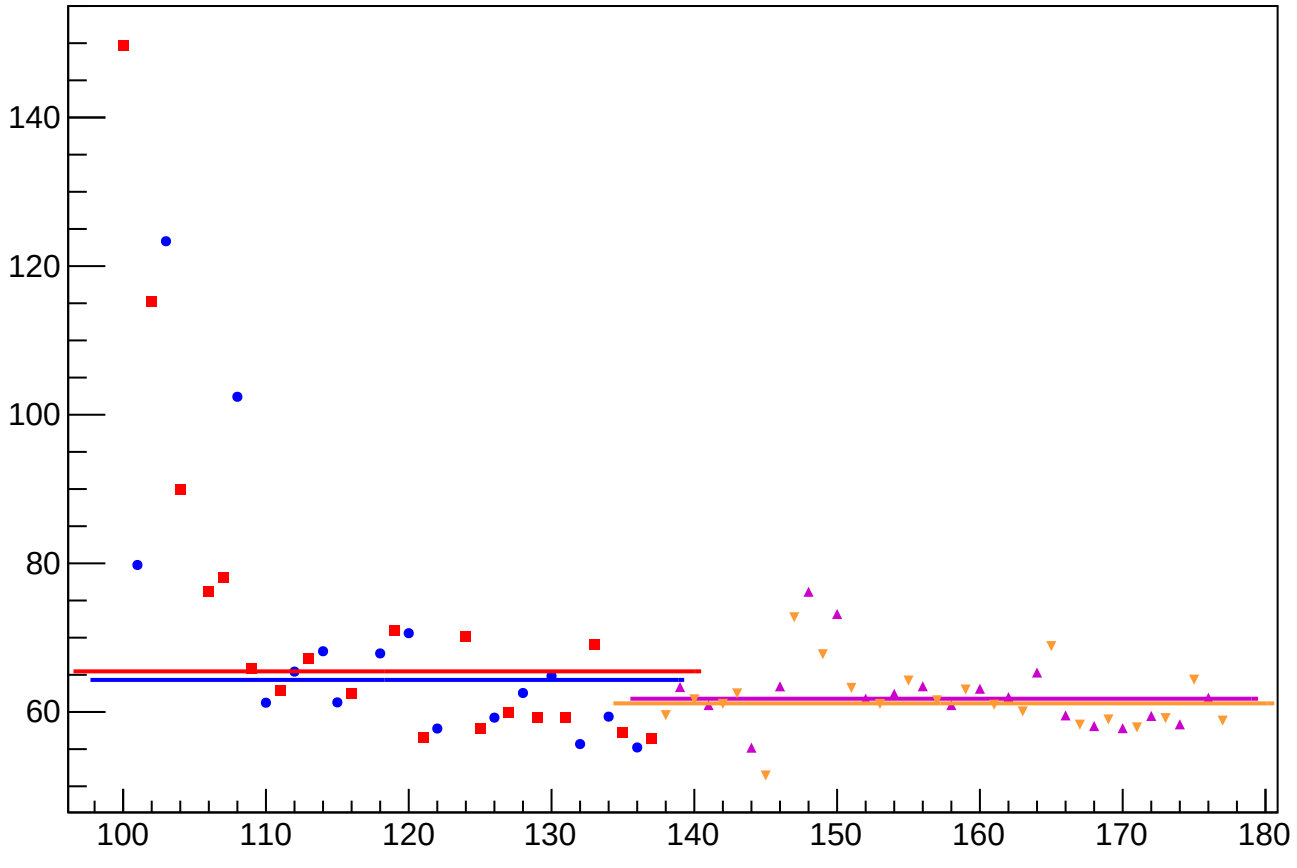
Left: -99.679+/-10.885 χ^2/NDF: 60.3/39

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -64.870+/-13.257 χ^2/NDF:60.4/34

Out: -69.599+/-12.828 χ^2/NDF:72.6/39

All: -67.312+/-9.219 χ^2/NDF: 133.1/74



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.159+/-0.011 χ^2/NDF:158980.2/20

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 61.785+/-0.011 χ^2/NDF:161556.8/18

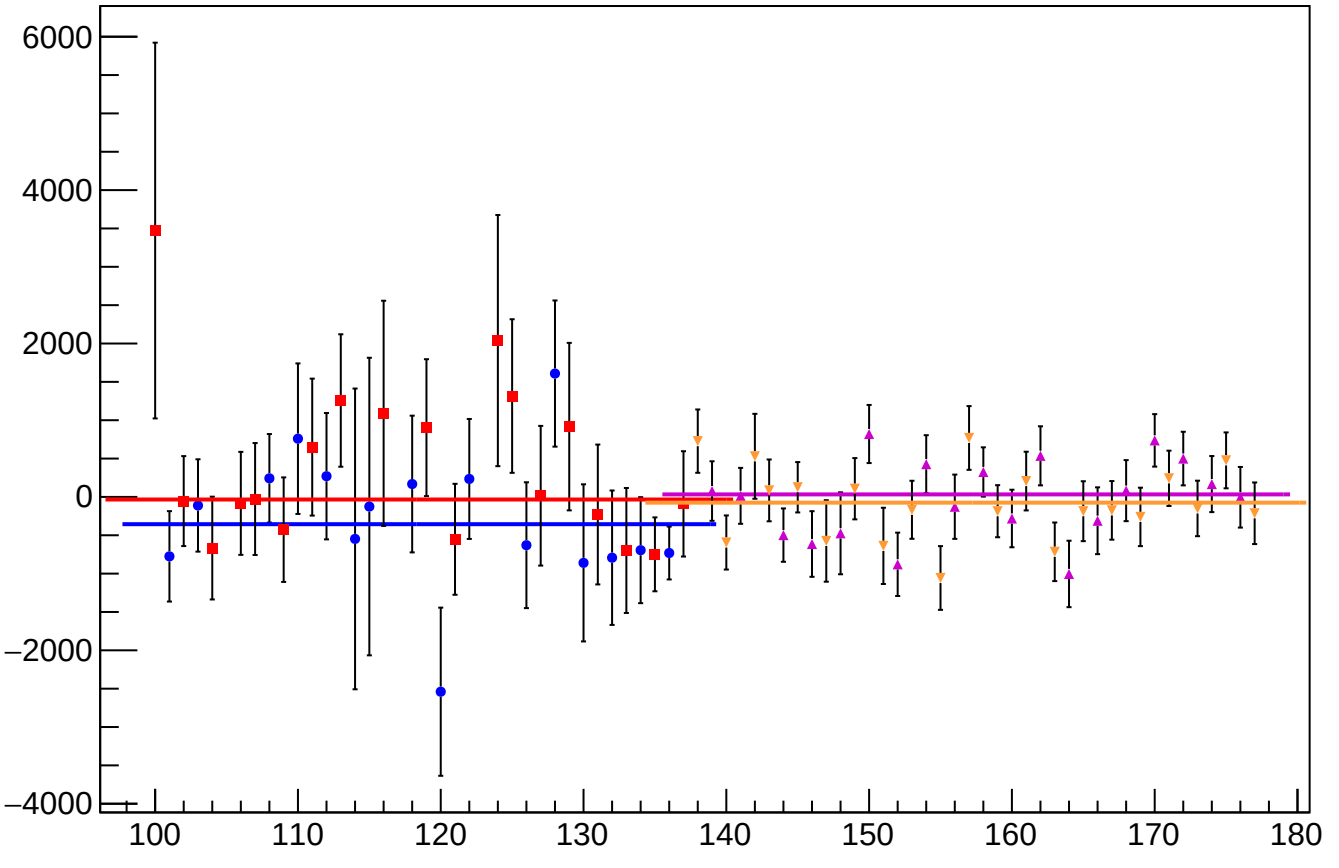
Left: 61.457+/-0.008 χ^2/NDF: 322190.5/39

Right: 64.889+/-0.012 χ^2/NDF: 1016625.1/34

In: 62.528+/-0.009 χ^2/NDF:708735.7/34

Out: 62.333+/-0.009 χ^2/NDF:686063.0/39

All: 62.428+/-0.007 χ^2/NDF: 1395021.7/74



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: -74.726+/-85.508 χ^2/NDF:26.9/20

Right Out: -33.786+/-181.561 χ^2/NDF: 15.4/18

Left In: 32.893+/-88.382 χ^2/NDF:31.7/18

Left: -22.695+/-61.454 χ^2/NDF: 59.4/39

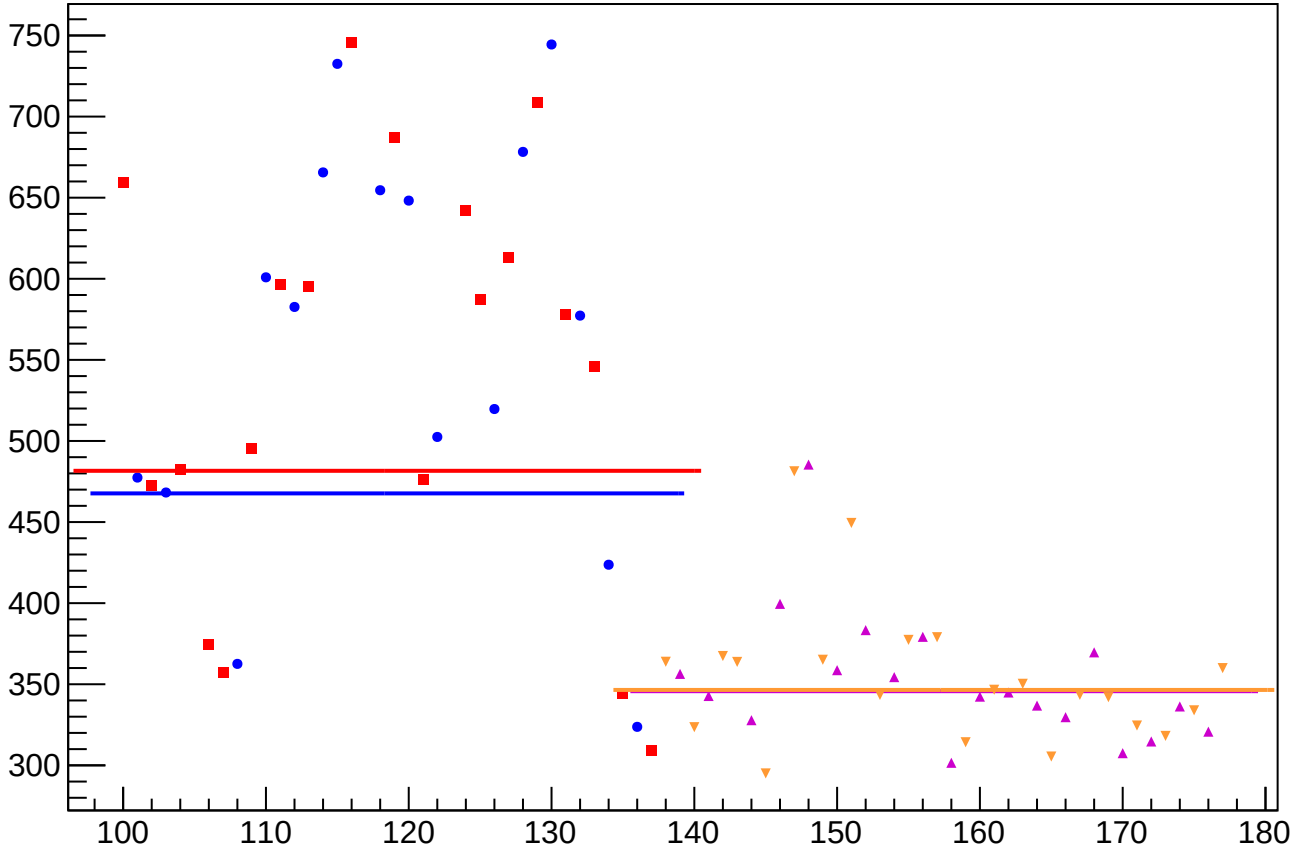
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -42.336+/-79.363 χ^2/NDF:50.3/34

Out: -67.294+/-77.358 χ^2/NDF:42.3/39

All: -55.134+/-55.396 χ^2/NDF: 92.7/74

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: 346.497+/-0.060 χ^2/NDF:375066.1/20

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

Left In: 345.722+/-0.062 χ^2/NDF:306989.0/18

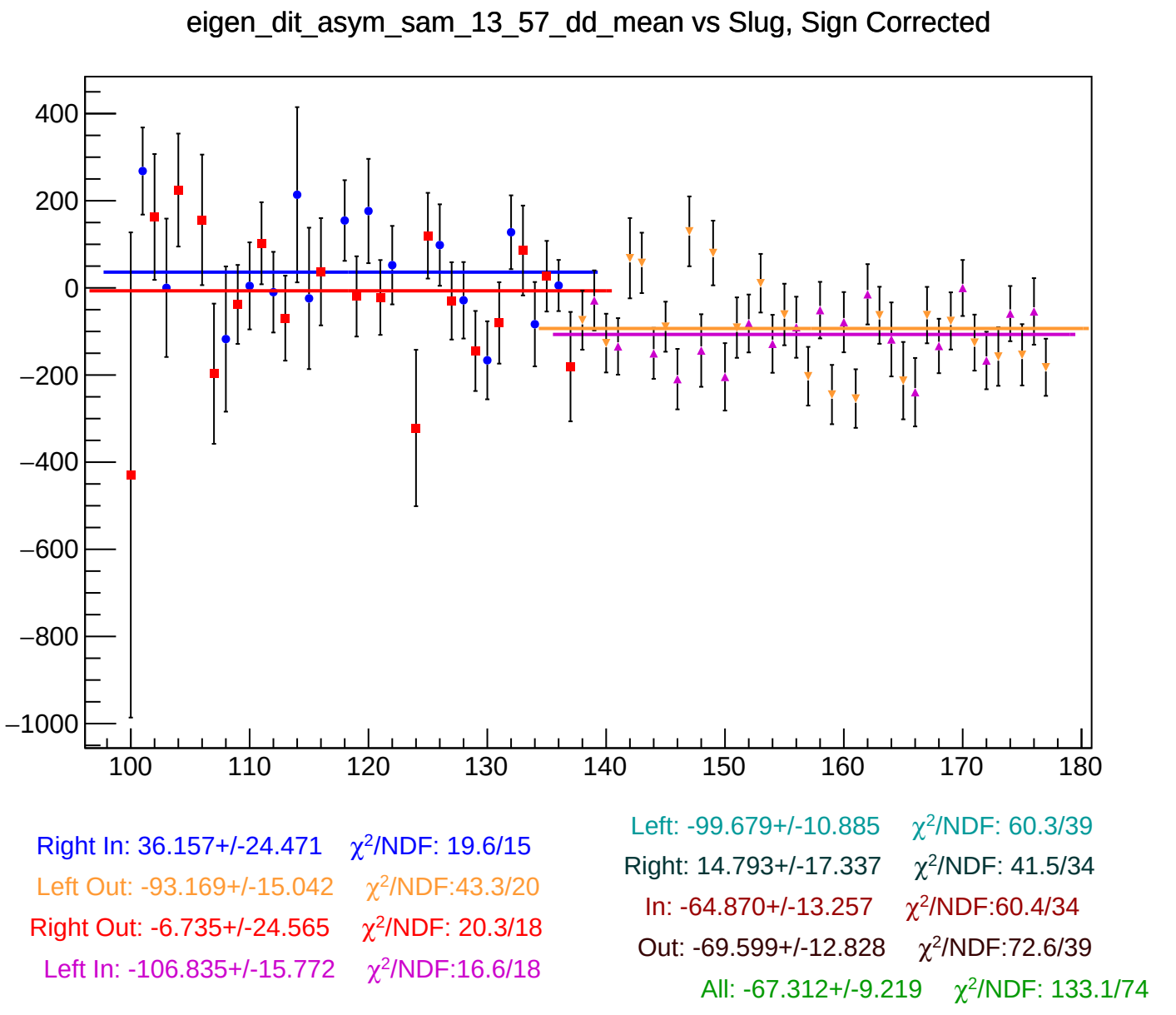
Left: 346.122+/-0.043 χ^2/NDF: 682134.6/39

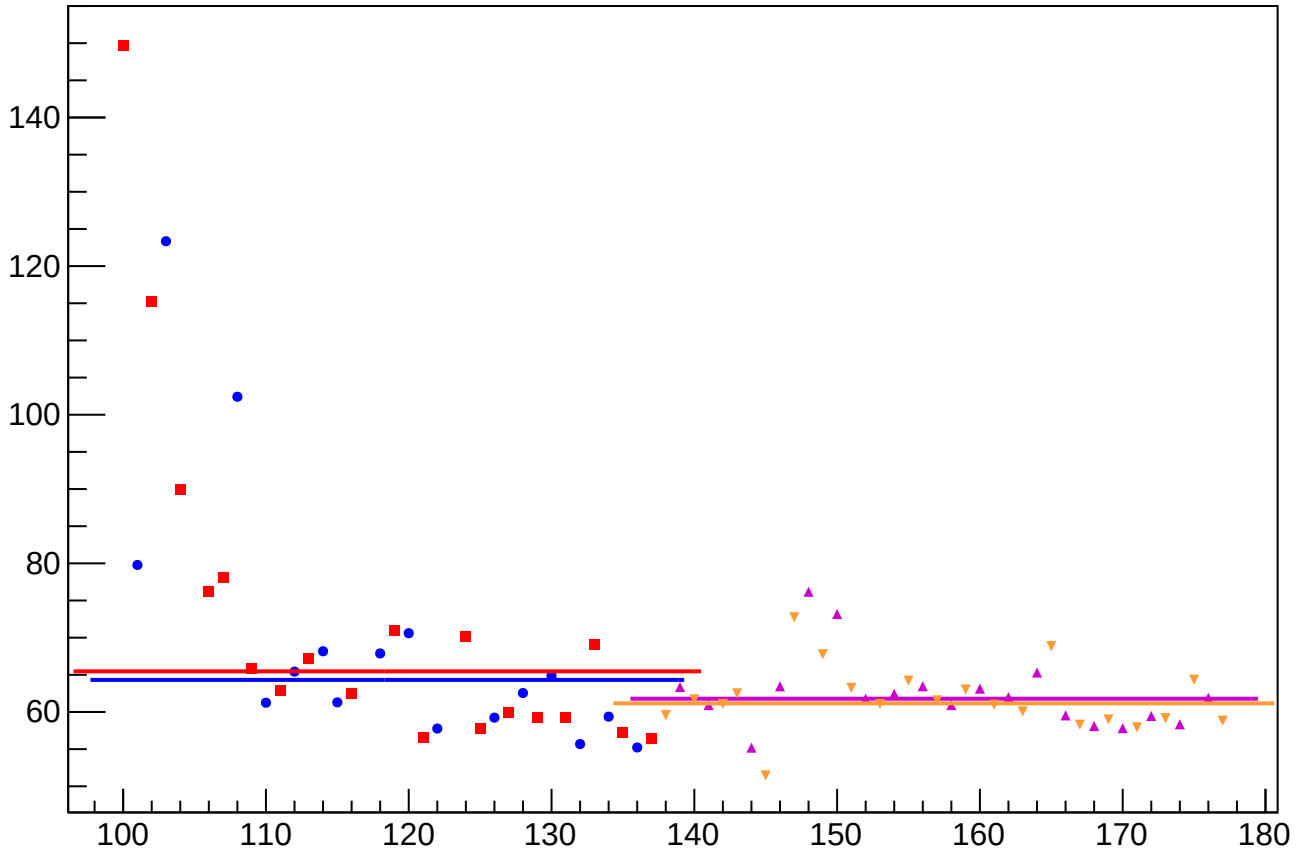
Right: 474.590+/-0.090 χ^2/NDF: 1846147.0/34

In: 369.341+/-0.056 χ^2/NDF:2030432.7/34

Out: 371.024+/-0.055 χ^2/NDF:2135724.1/39

All: 370.204+/-0.039 χ^2/NDF: 4166617.6/74


eigen_dit_asym_sam_13_57_dd_mean vs Slug, Sign Corrected
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
170
180
Right In: 36.157+/-24.471 χ²/NDF: 19.6/15
Left Out: -93.169+/-15.042 χ²/NDF:43.3/20
Right Out: -6.735+/-24.565 χ²/NDF: 20.3/18
Left In: -106.835+/-15.772 χ²/NDF:16.6/18
Left: -99.679+/-10.885 χ²/NDF: 60.3/39
Right: 14.793+/-17.337 χ²/NDF: 41.5/34
In: -64.870+/-13.257 χ²/NDF:60.4/34
Out: -69.599+/-12.828 χ²/NDF:72.6/39
All: -67.312+/-9.219 χ²/NDF: 133.1/74



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 61.159+/-0.011 χ^2/NDF:158985.2/20

Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 61.785+/-0.011 χ^2/NDF:161559.6/18

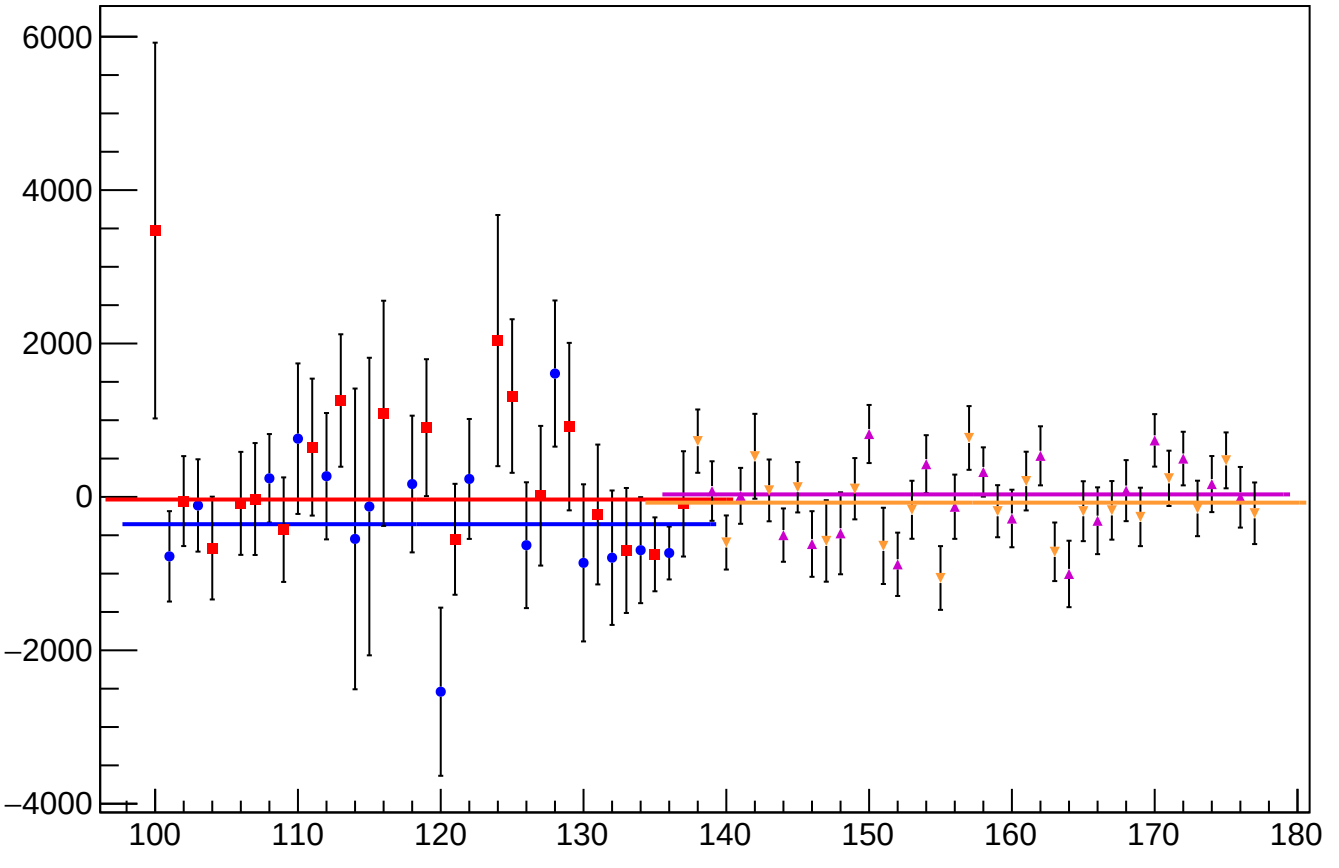
Left: 61.457+/-0.008 χ^2/NDF: 322198.2/39

Right: 64.889+/-0.012 χ^2/NDF: 1016639.7/34

In: 62.528+/-0.009 χ^2/NDF:708745.3/34

Out: 62.333+/-0.009 χ^2/NDF:686071.6/39

All: 62.428+/-0.007 χ^2/NDF: 1395040.0/74



Right In: -355.529+/-180.334 χ^2/NDF: 14.8/15

Left Out: -74.726+/-85.508 χ^2/NDF:26.9/20

Right Out: -33.787+/-181.560 χ^2/NDF: 15.4/18

Left In: 32.892+/-88.382 χ^2/NDF:31.7/18

Left: -22.695+/-61.454 χ^2/NDF: 59.4/39

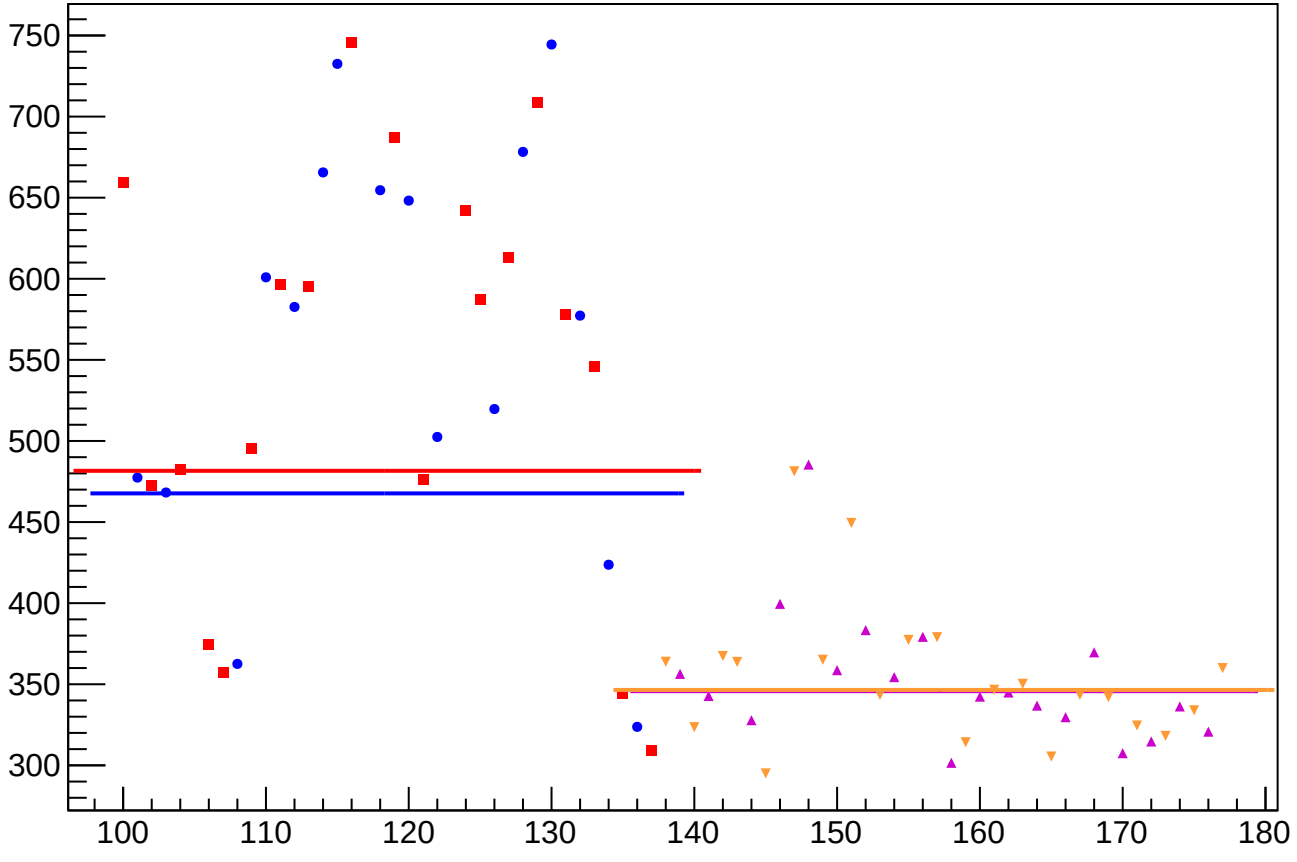
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -42.336+/-79.363 χ^2/NDF:50.3/34

Out: -67.294+/-77.358 χ^2/NDF:42.3/39

All: -55.134+/-55.396 χ^2/NDF: 92.7/74

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: 346.497+/-0.060 χ^2/NDF:375065.2/20

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

Left In: 345.722+/-0.062 χ^2/NDF:306990.1/18

Left: 346.122+/-0.043 χ^2/NDF: 682134.7/39

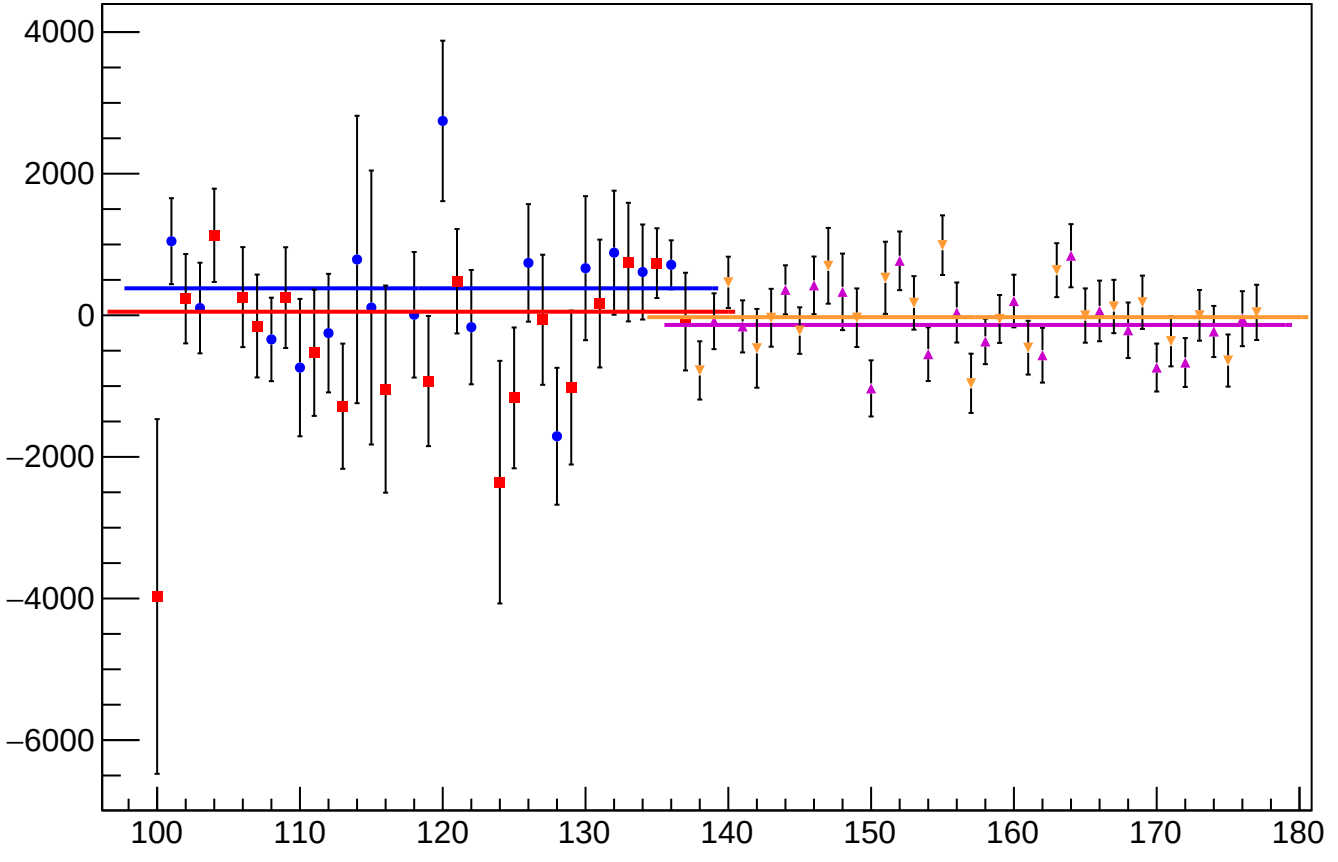
Right: 474.589+/-0.090 χ^2/NDF: 1846148.4/34

In: 369.341+/-0.056 χ^2/NDF:2030428.6/34

Out: 371.024+/-0.055 χ^2/NDF:2135713.7/39

All: 370.204+/-0.039 χ^2/NDF: 4166603.1/74

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: -26.227+/-85.537 χ^2/NDF:28.8/20

Right Out: 50.392+/-185.262 χ^2/NDF: 17.5/18

Left In: -136.291+/-88.267 χ^2/NDF:29.2/18

Left: -79.531+/-61.426 χ^2/NDF: 58.8/39

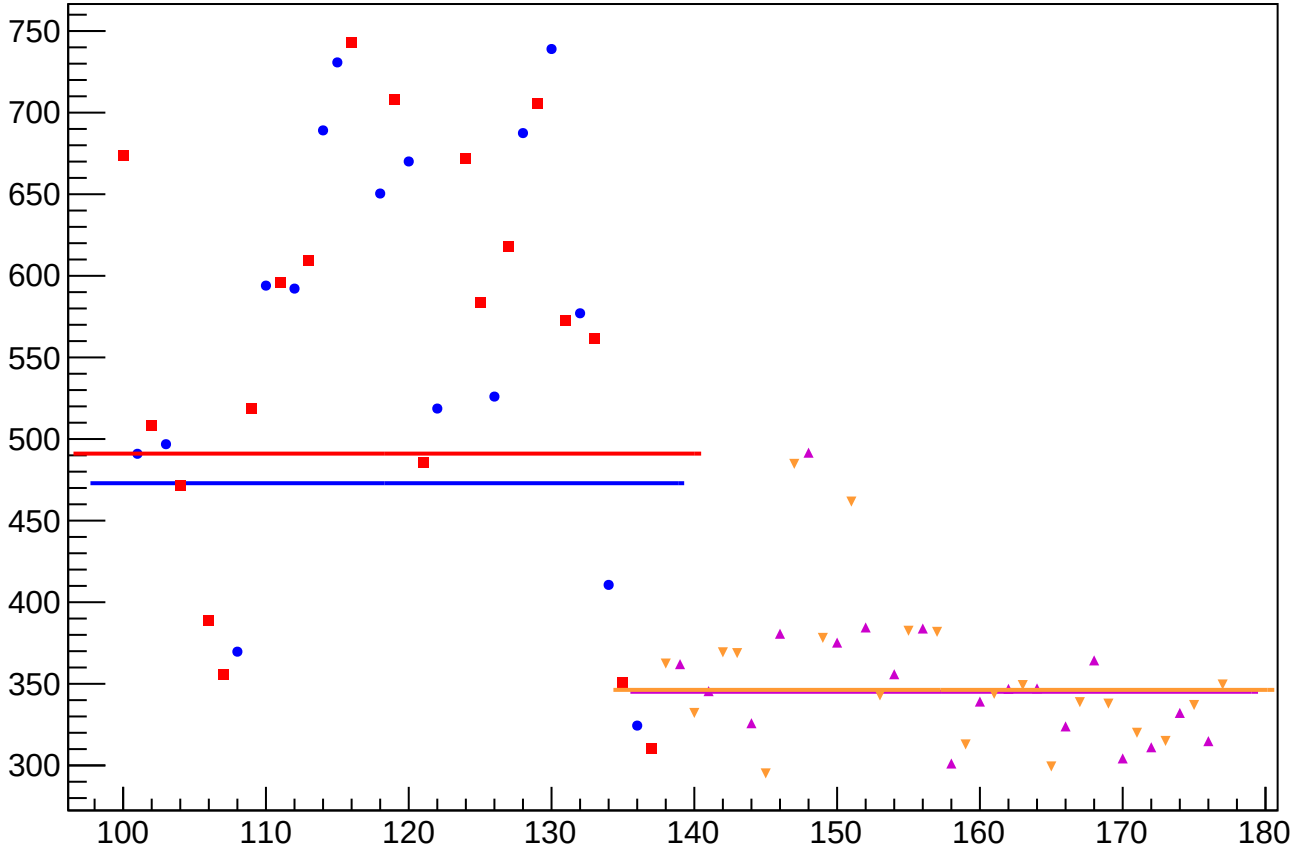
Right: 218.082+/-130.069 χ^2/NDF: 35.2/34

In: -38.344+/-79.474 χ^2/NDF:51.9/34

Out: -12.764+/-77.659 χ^2/NDF:46.4/39

All: -25.258+/-55.544 χ^2/NDF: 98.3/74

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 346.292+/-0.060 χ^2/NDF:420909.5/20

Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 345.124+/-0.062 χ^2/NDF:331144.1/18

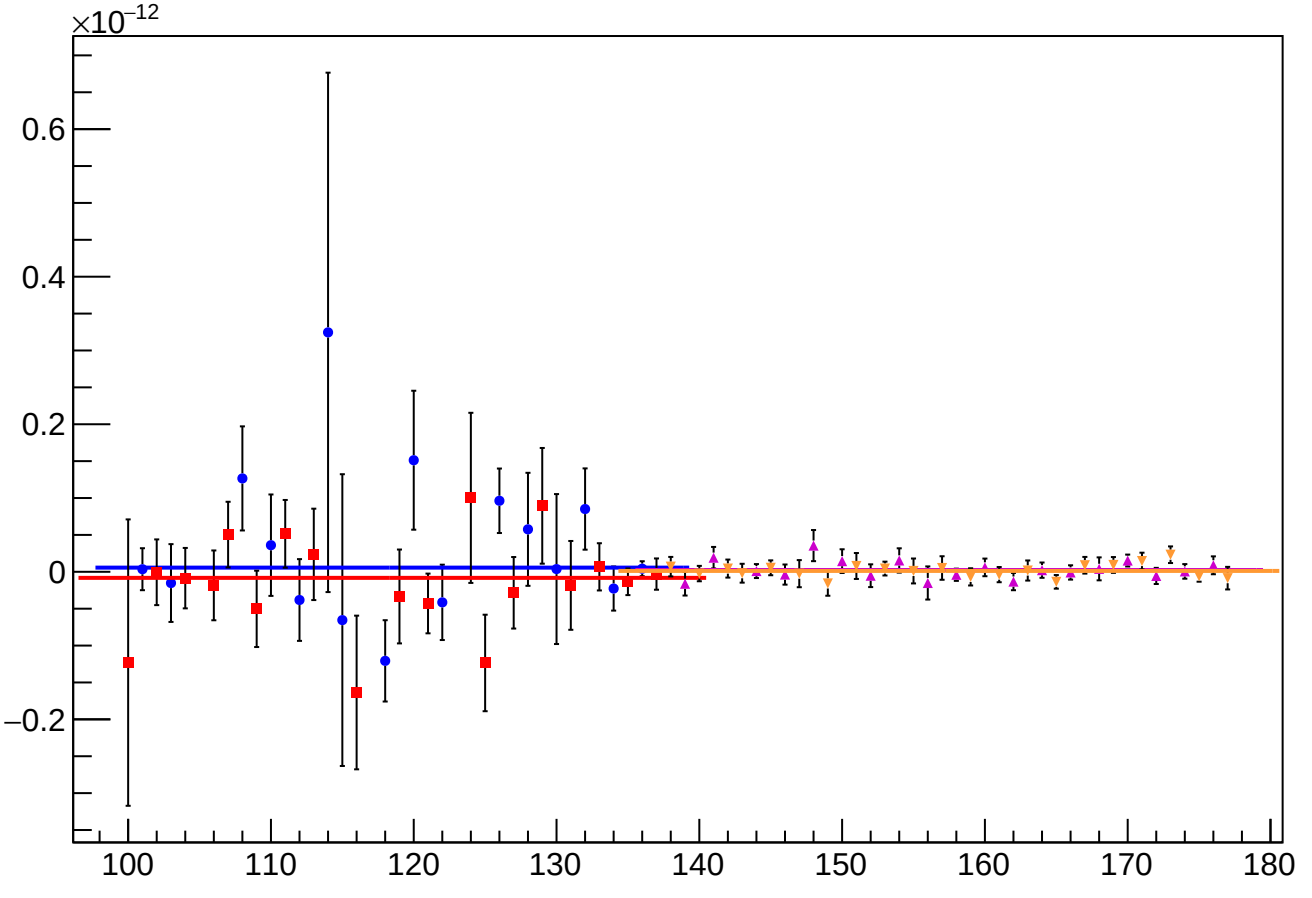
Left: 345.726+/-0.043 χ^2/NDF: 752234.2/39

Right: 481.865+/-0.092 χ^2/NDF: 1857489.5/34

In: 369.318+/-0.056 χ^2/NDF:2125169.0/34

Out: 371.730+/-0.055 χ^2/NDF:2275100.6/39

All: 370.552+/-0.039 χ^2/NDF: 4401212.1/74



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.9/20

Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:13.4/18

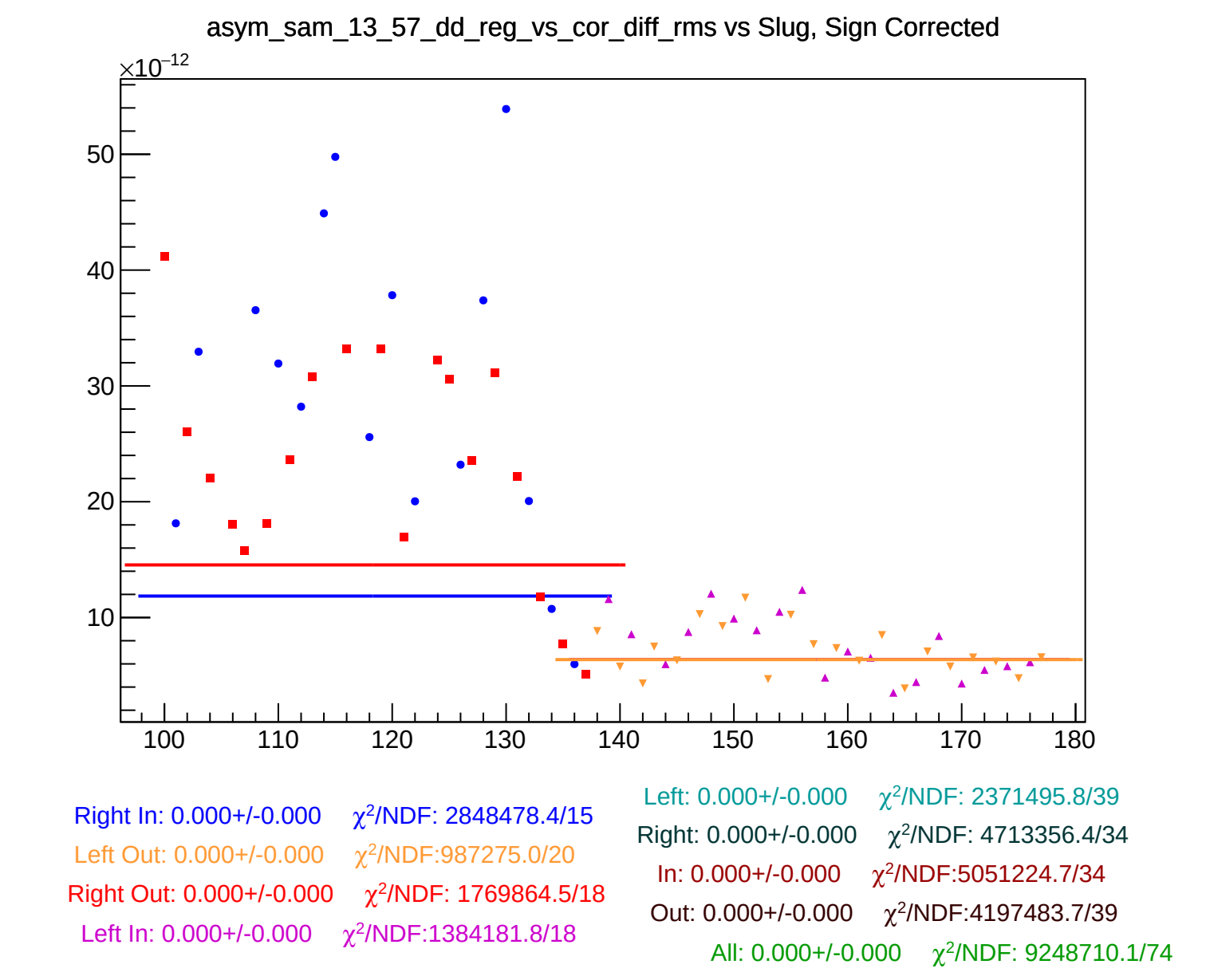
Left: 0.000+/-0.000 χ^2/NDF: 26.4/39

Right: -0.000+/-0.000 χ^2/NDF: 36.4/34

In: 0.000+/-0.000 χ^2/NDF:34.7/34

Out: 0.000+/-0.000 χ^2/NDF:27.9/39

All: 0.000+/-0.000 χ^2/NDF: 62.9/74


asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
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30
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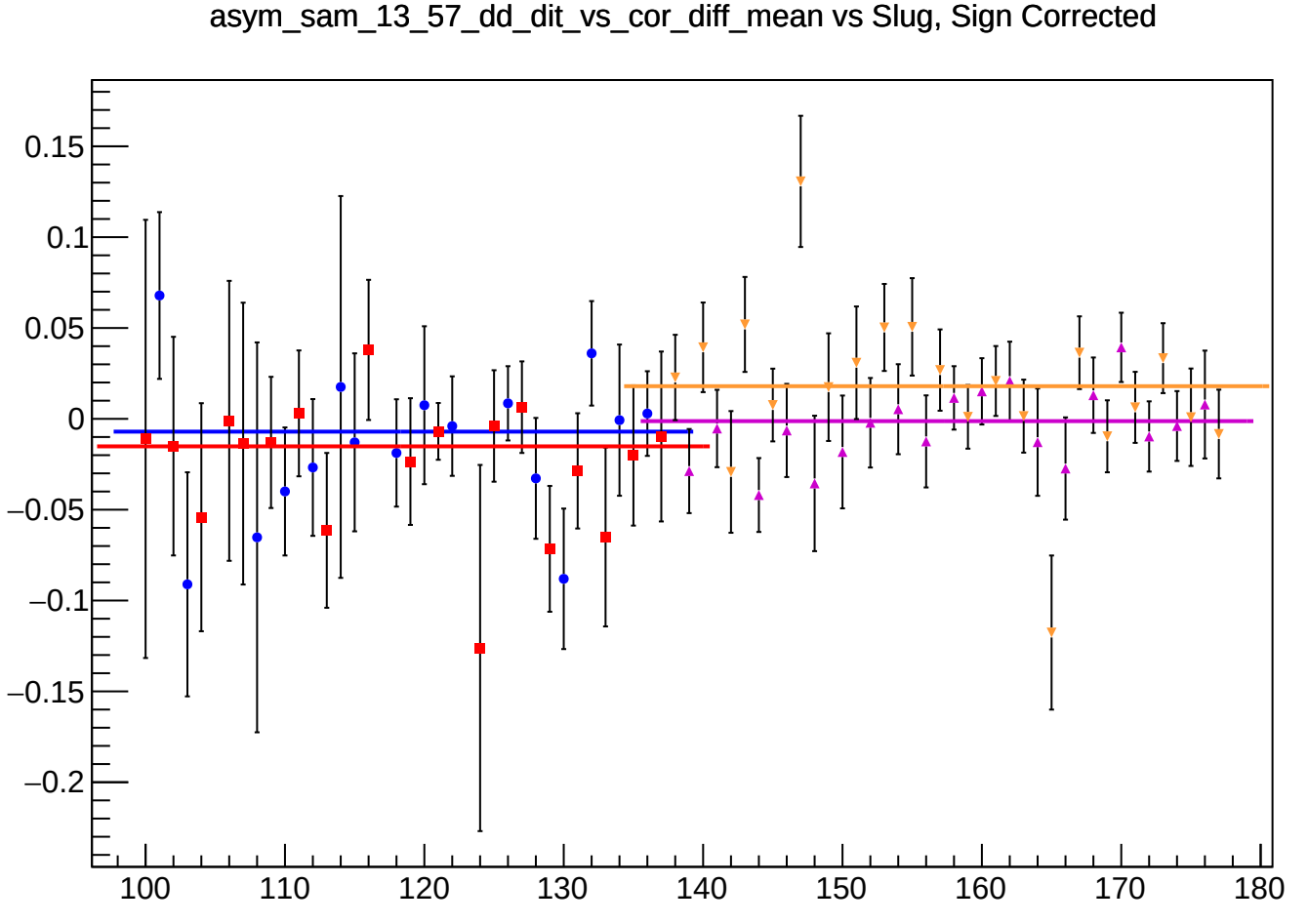
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2848478.4/15
Left Out: 0.000+/-0.000 χ²/NDF:987275.0/20
Right Out: 0.000+/-0.000 χ²/NDF: 1769864.5/18
Left In: 0.000+/-0.000 χ²/NDF:1384181.8/18
Left: 0.000+/-0.000 χ²/NDF: 2371495.8/39
Right: 0.000+/-0.000 χ²/NDF: 4713356.4/34
In: 0.000+/-0.000 χ²/NDF:5051224.7/34
Out: 0.000+/-0.000 χ²/NDF:4197483.7/39
All: 0.000+/-0.000 χ²/NDF: 9248710.1/74



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.018+/-0.005 χ^2/NDF:35.3/20

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.001+/-0.005 χ^2/NDF:15.6/18

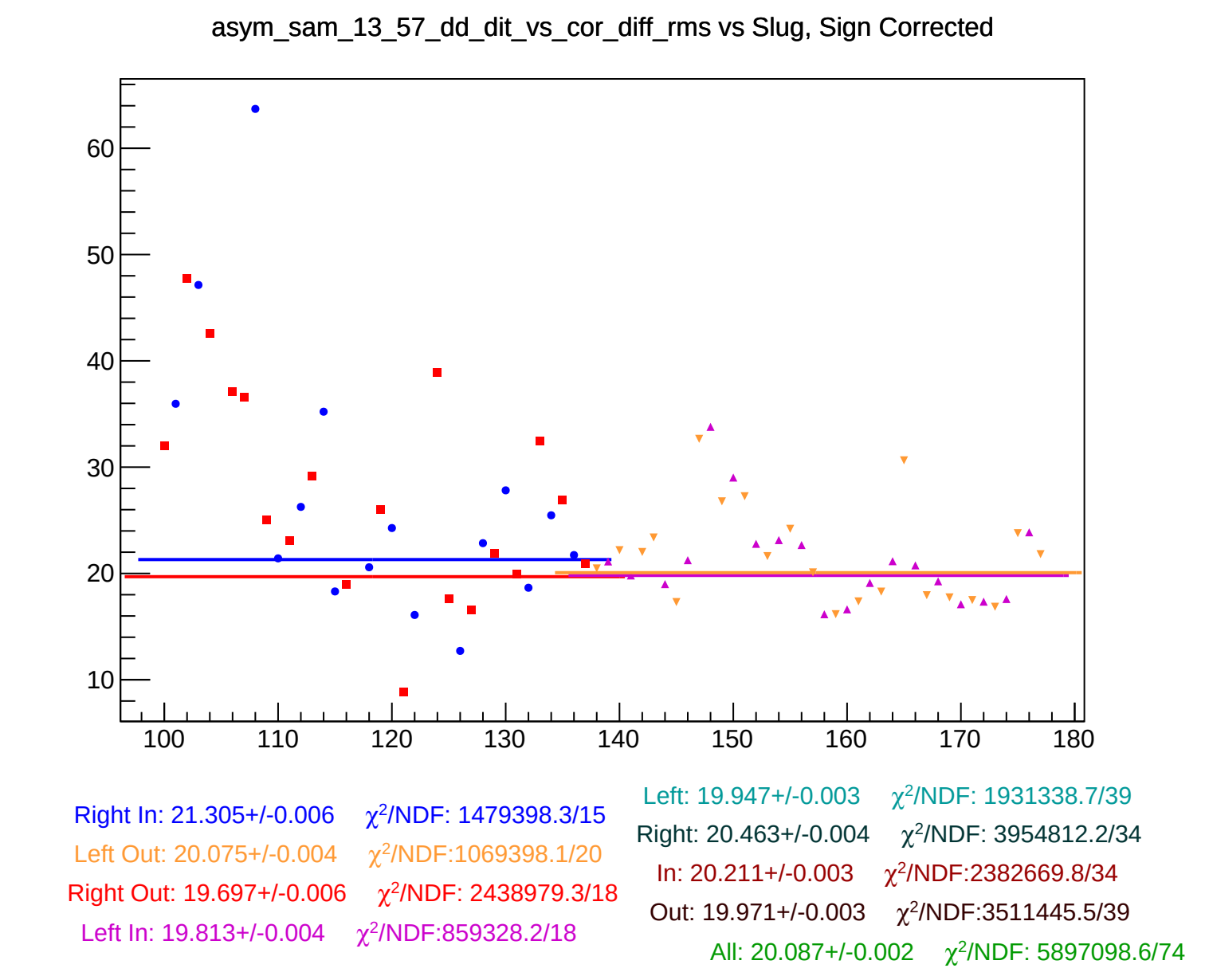
Left: 0.009+/-0.004 χ^2/NDF: 57.9/39

Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.003+/-0.004 χ^2/NDF:30.3/34

Out: 0.009+/-0.004 χ^2/NDF:57.1/39

All: 0.003+/-0.003 χ^2/NDF: 90.9/74


asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
60
50
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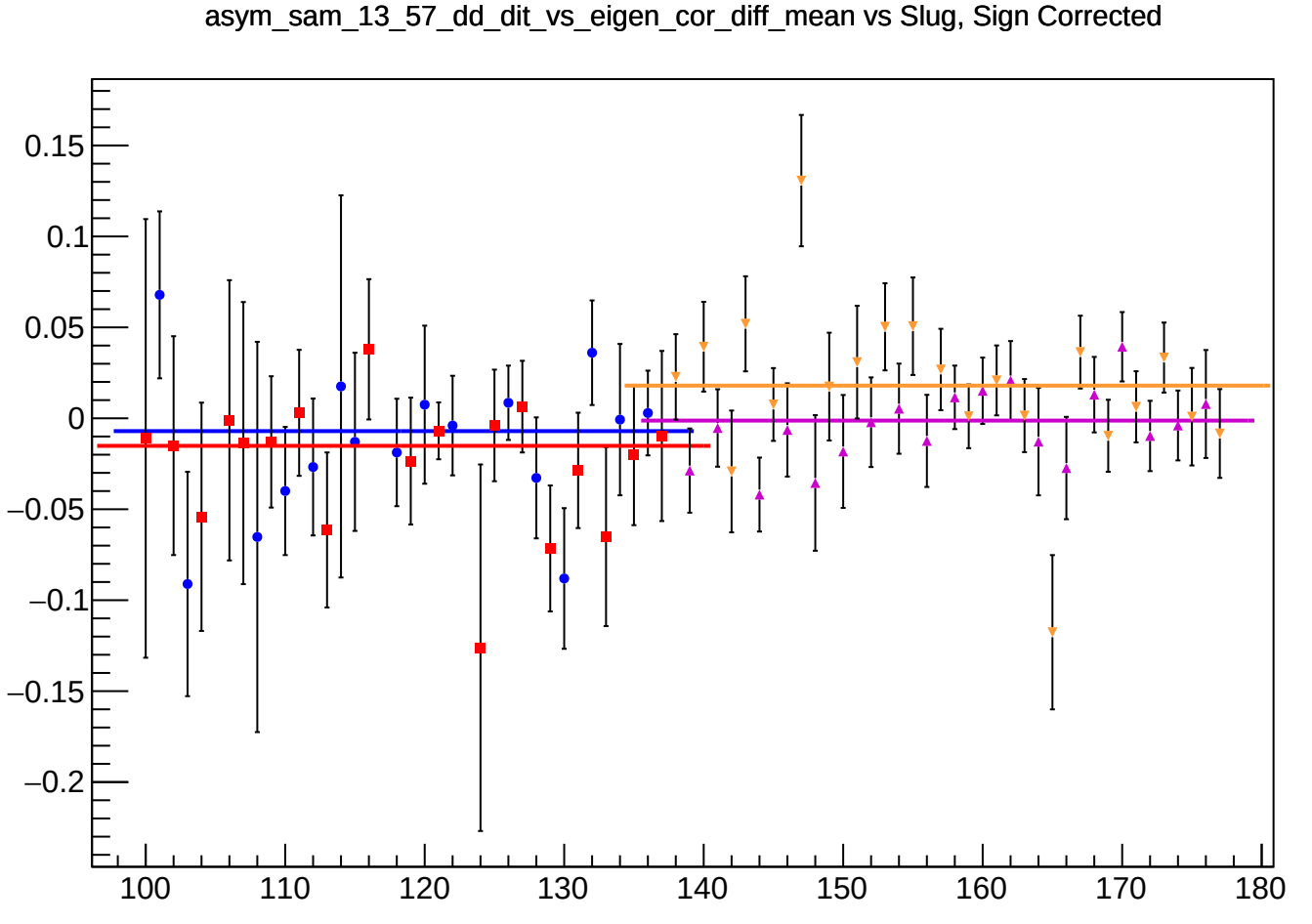
20
10
100
110
120
130
140
150
160
170
180
Right In: 21.305+/-0.006 χ²/NDF: 1479398.3/15
Left Out: 20.075+/-0.004 χ²/NDF:1069398.1/20
Right Out: 19.697+/-0.006 χ²/NDF: 2438979.3/18
Left In: 19.813+/-0.004 χ²/NDF:859328.2/18
Left: 19.947+/-0.003 χ²/NDF: 1931338.7/39
Right: 20.463+/-0.004 χ²/NDF: 3954812.2/34
In: 20.211+/-0.003 χ²/NDF:2382669.8/34
Out: 19.971+/-0.003 χ²/NDF:3511445.5/39
All: 20.087+/-0.002 χ²/NDF: 5897098.6/74



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.018+/-0.005 χ^2/NDF:35.3/20

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.001+/-0.005 χ^2/NDF:15.6/18

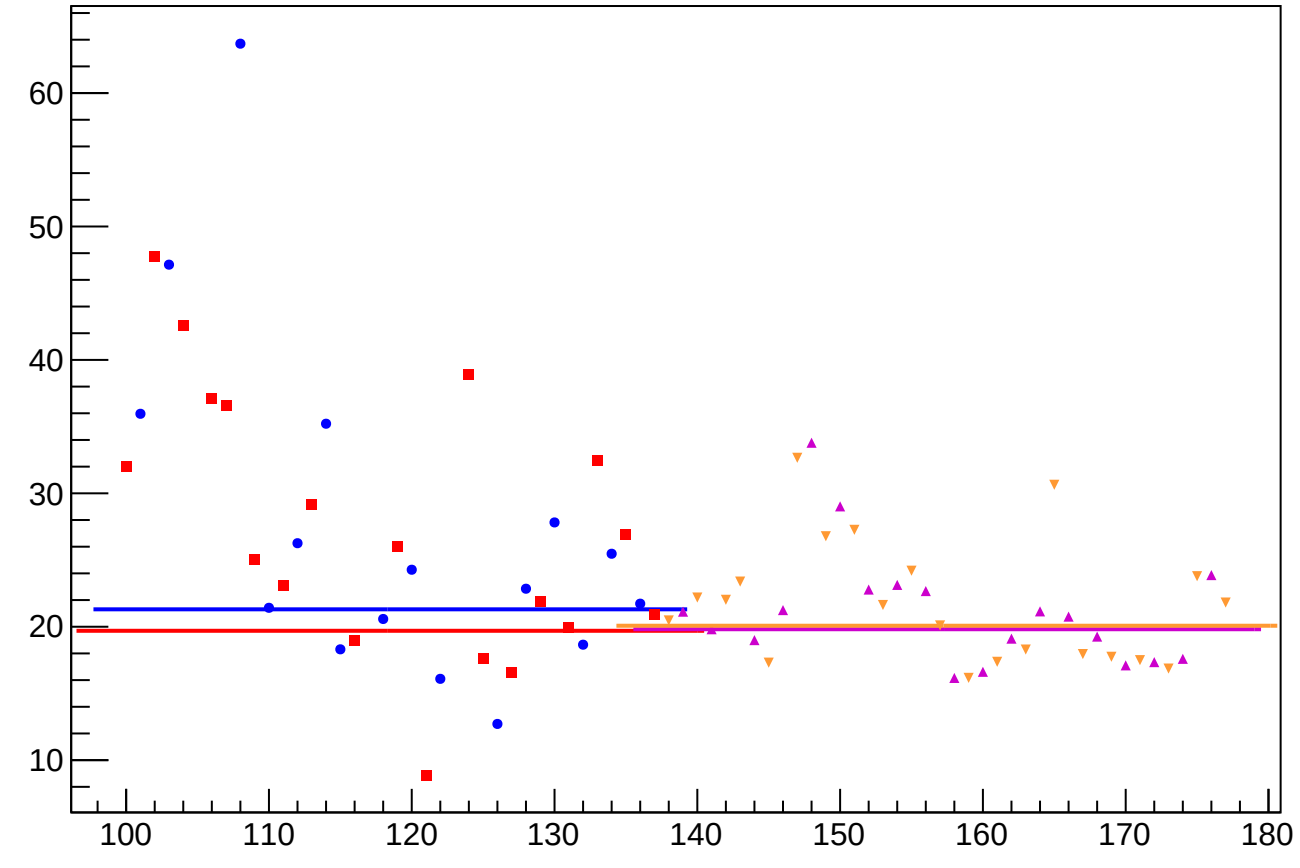
Left: 0.009+/-0.004 χ^2/NDF: 57.9/39

Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.003+/-0.004 χ^2/NDF:30.3/34

Out: 0.009+/-0.004 χ^2/NDF:57.1/39

All: 0.003+/-0.003 χ^2/NDF: 90.9/74



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 20.075+/-0.004 χ^2/NDF:1069398.1/20

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 19.813+/-0.004 χ^2/NDF:859328.2/18

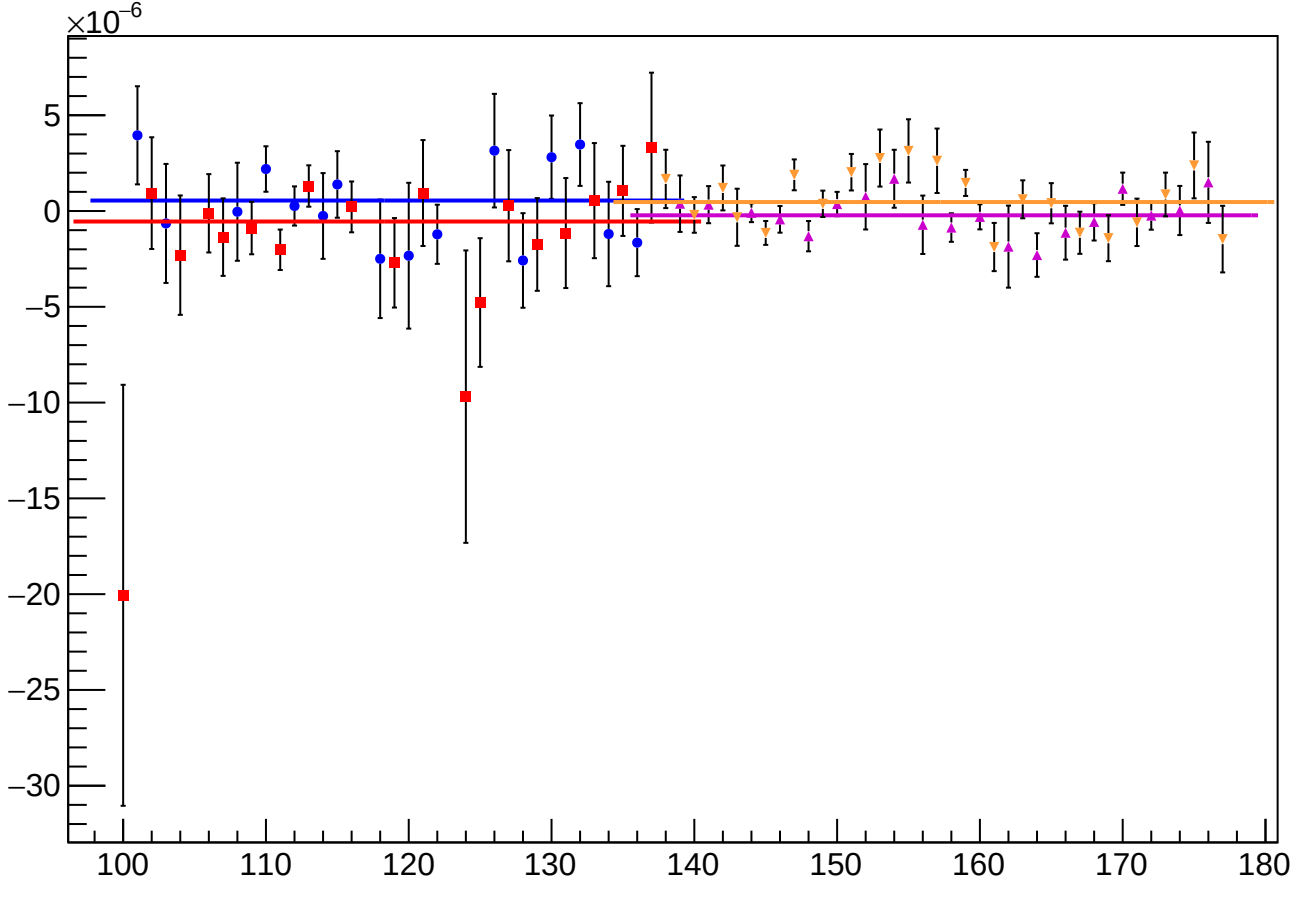
Left: 19.947+/-0.003 χ^2/NDF: 1931338.7/39

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 20.211+/-0.003 χ^2/NDF:2382669.8/34

Out: 19.971+/-0.003 χ^2/NDF:3511445.5/39

All: 20.087+/-0.002 χ^2/NDF: 5897098.6/74



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:34.5/20

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:14.0/18

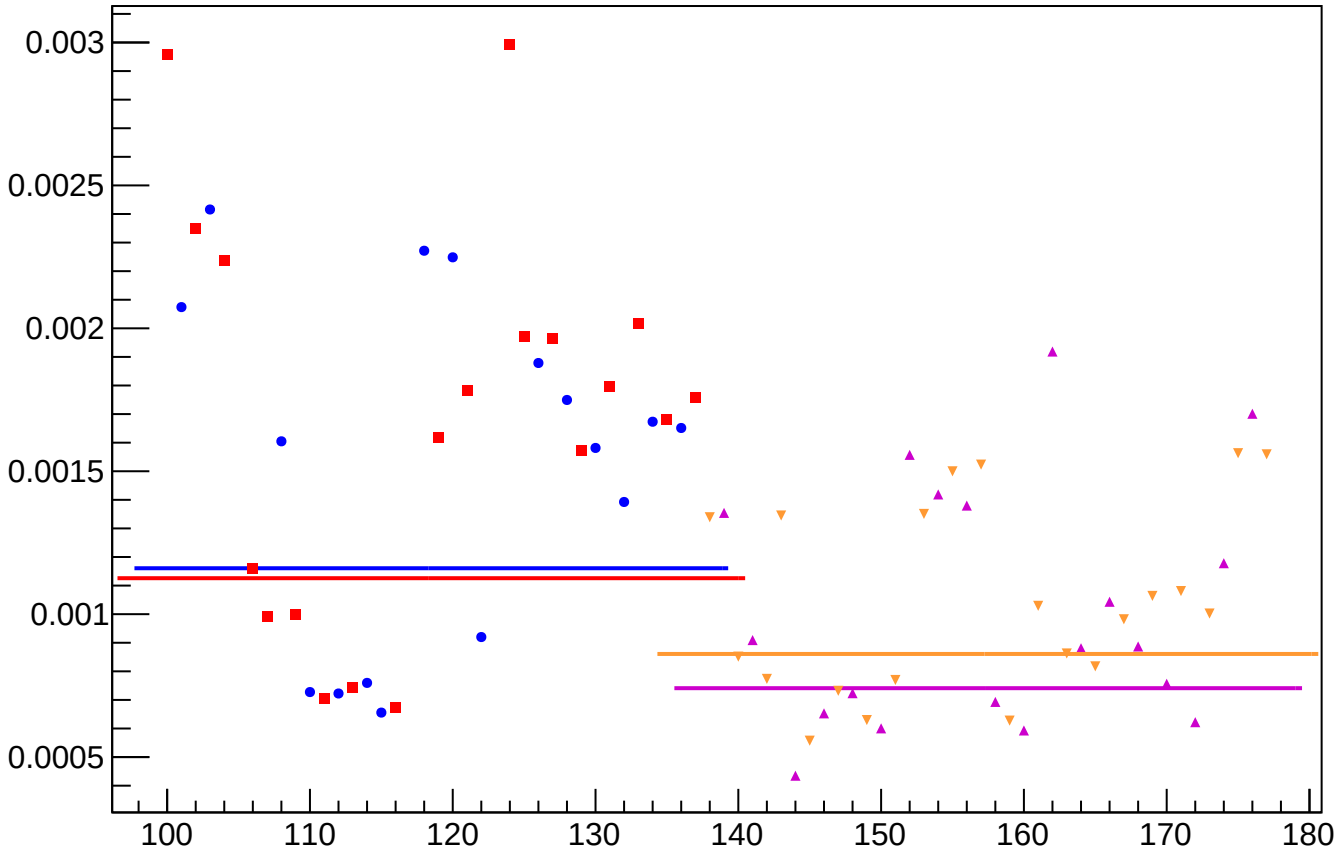
Left: 0.000+/-0.000 χ^2/NDF: 53.7/39

Right: -0.000+/-0.000 χ^2/NDF: 32.5/34

In: -0.000+/-0.000 χ^2/NDF:30.7/34

Out: 0.000+/-0.000 χ^2/NDF:53.8/39

All: 0.000+/-0.000 χ^2/NDF: 86.3/74



Right In: 0.001+/-0.000 χ^2/NDF: 2534643.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:3121521.0/20

Right Out: 0.001+/-0.000 χ^2/NDF: 2623987.9/18

Left In: 0.001+/-0.000 χ^2/NDF:4109523.1/18

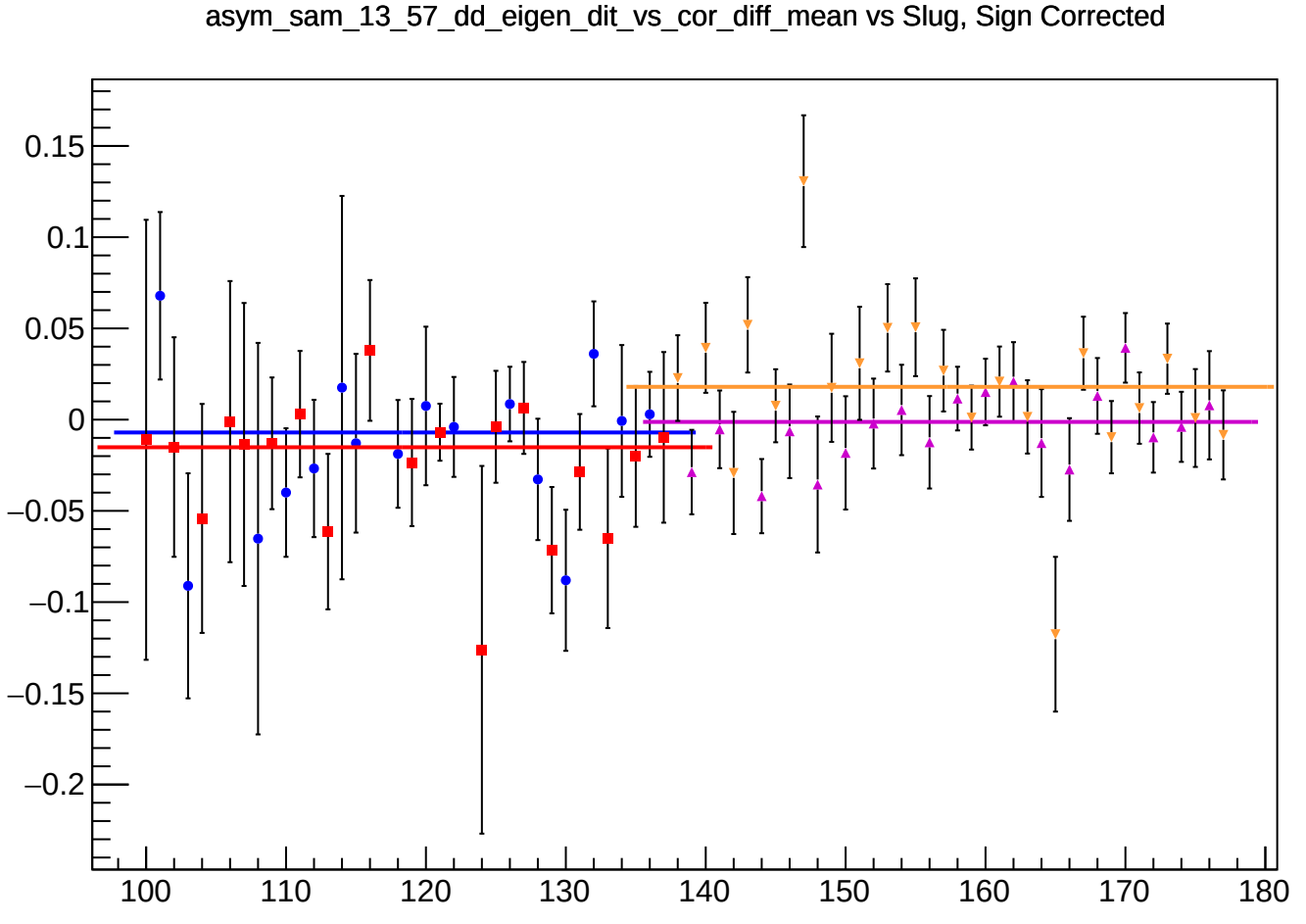
Left: 0.001+/-0.000 χ^2/NDF: 7539280.5/39

Right: 0.001+/-0.000 χ^2/NDF: 5164155.8/34

In: 0.001+/-0.000 χ^2/NDF:7942684.9/34

Out: 0.001+/-0.000 χ^2/NDF:6283114.2/39

All: 0.001+/-0.000 χ^2/NDF: 14522507.5/74



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.018+/-0.005 χ^2/NDF:35.3/20

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.001+/-0.005 χ^2/NDF:15.6/18

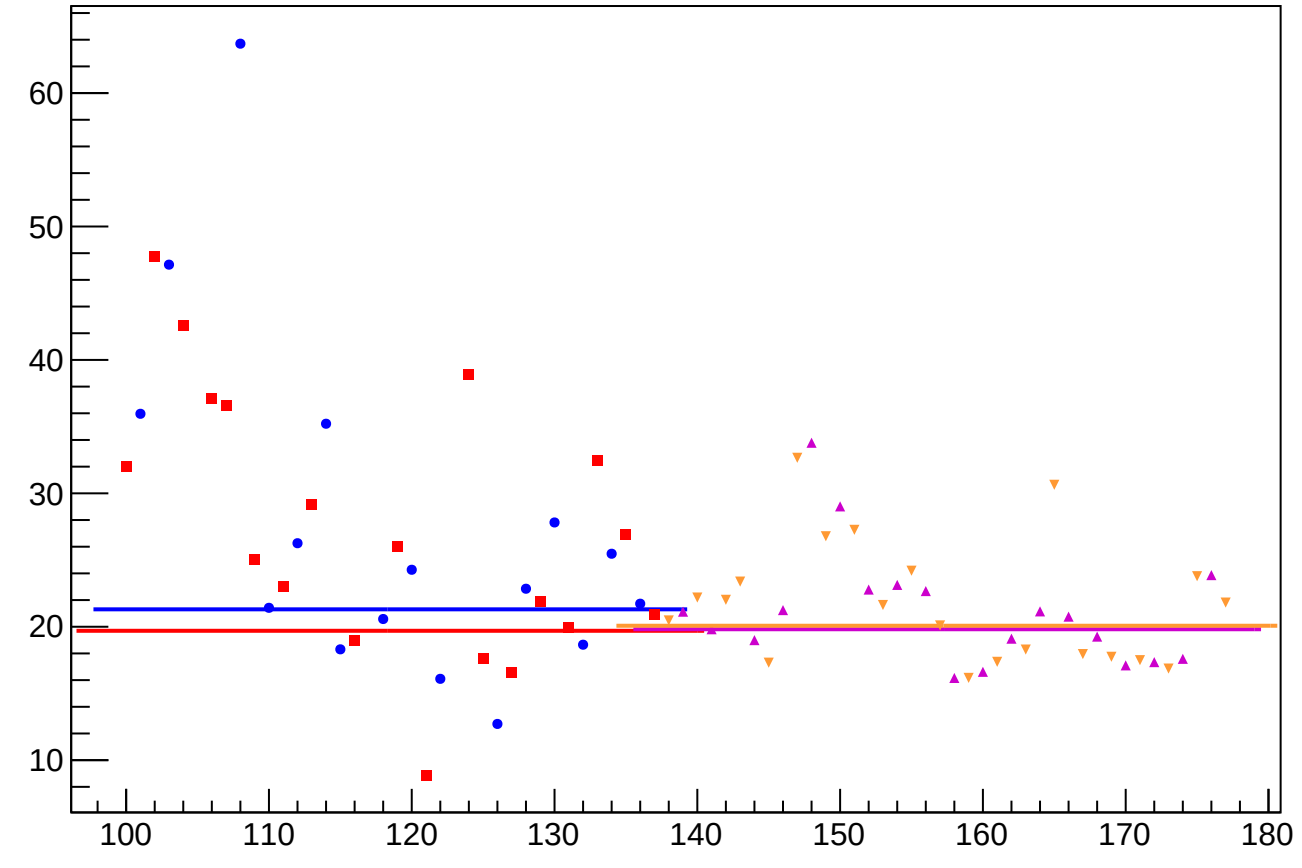
Left: 0.009+/-0.004 χ^2/NDF: 57.9/39

Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.003+/-0.004 χ^2/NDF:30.3/34

Out: 0.009+/-0.004 χ^2/NDF:57.1/39

All: 0.003+/-0.003 χ^2/NDF: 90.9/74



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.075+/-0.004 χ^2/NDF:1069509.5/20

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 19.813+/-0.004 χ^2/NDF:859378.7/18

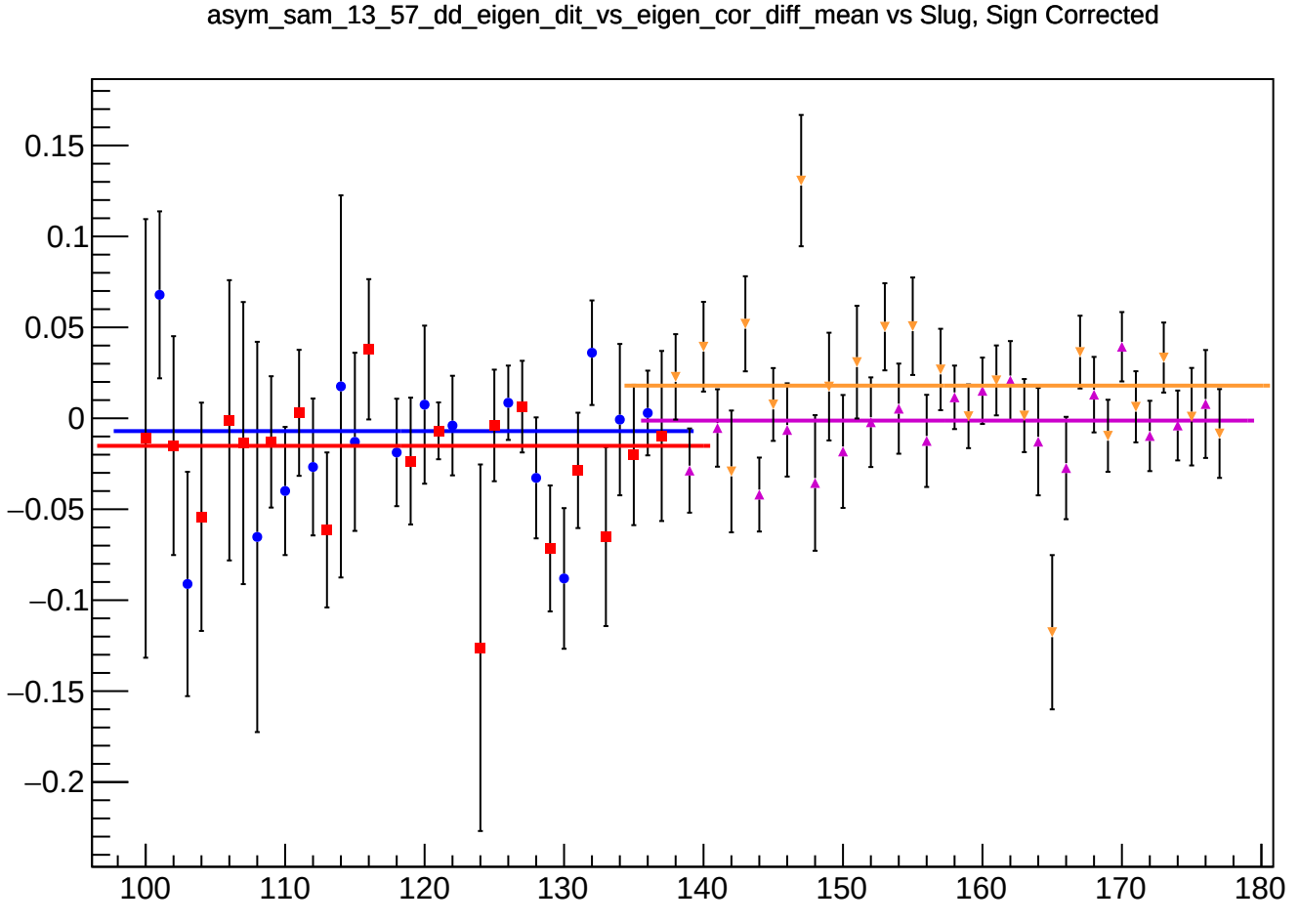
Left: 19.947+/-0.003 χ^2/NDF: 1931498.9/39

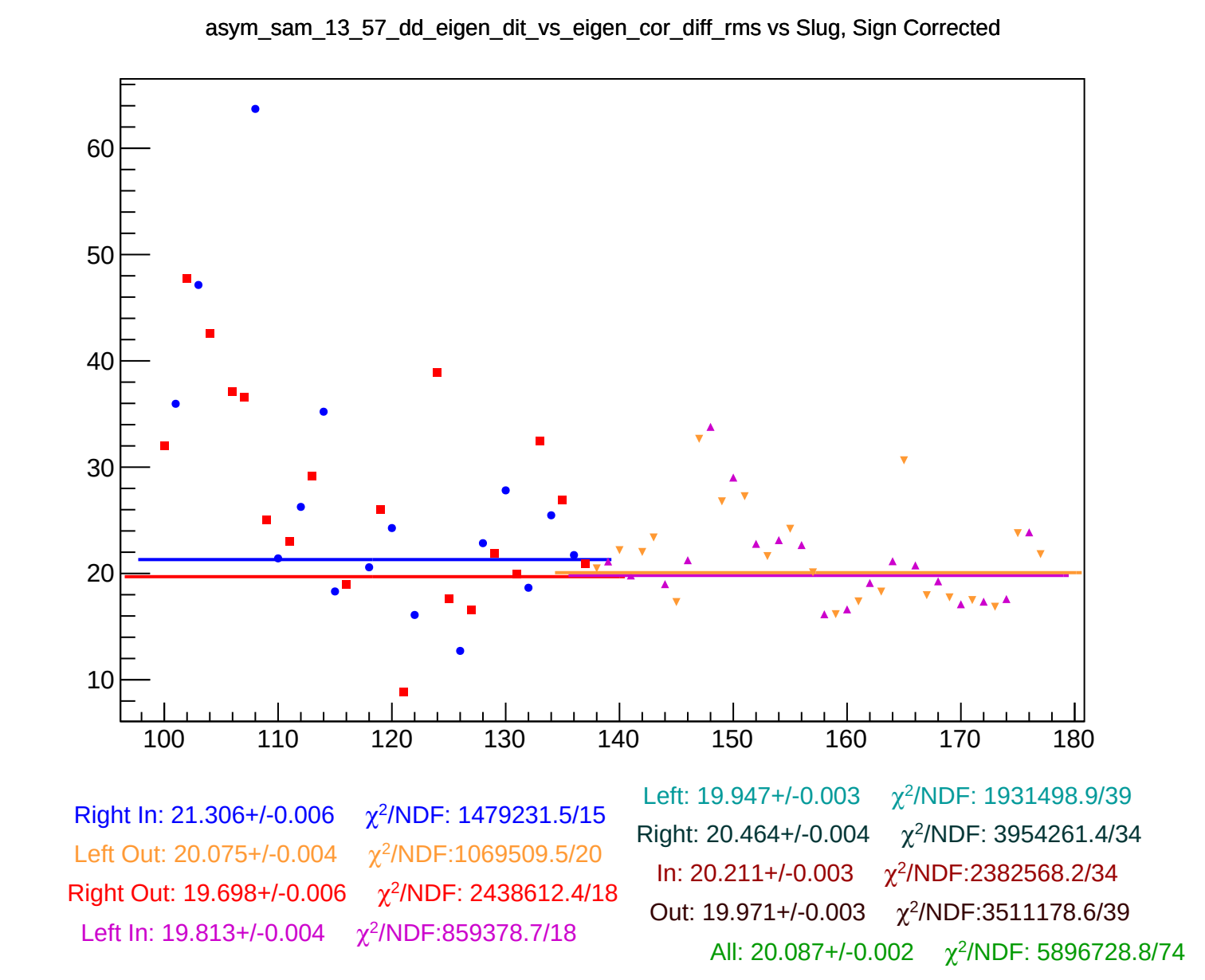
Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 20.211+/-0.003 χ^2/NDF:2382568.2/34

Out: 19.971+/-0.003 χ^2/NDF:3511178.6/39

All: 20.087+/-0.002 χ^2/NDF: 5896728.8/74


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
100
110
120
130
140
150
160
170
180
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.018+/-0.005 χ²/NDF:35.3/20
Right Out: -0.015+/-0.008 χ²/NDF: 10.1/18
Left In: -0.001+/-0.005 χ²/NDF:15.6/18
Left: 0.009+/-0.004 χ²/NDF: 57.9/39
Right: -0.011+/-0.006 χ²/NDF: 24.9/34
In: -0.003+/-0.004 χ²/NDF:30.3/34
Out: 0.009+/-0.004 χ²/NDF:57.1/39
All: 0.003+/-0.003 χ²/NDF: 90.9/74


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
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170
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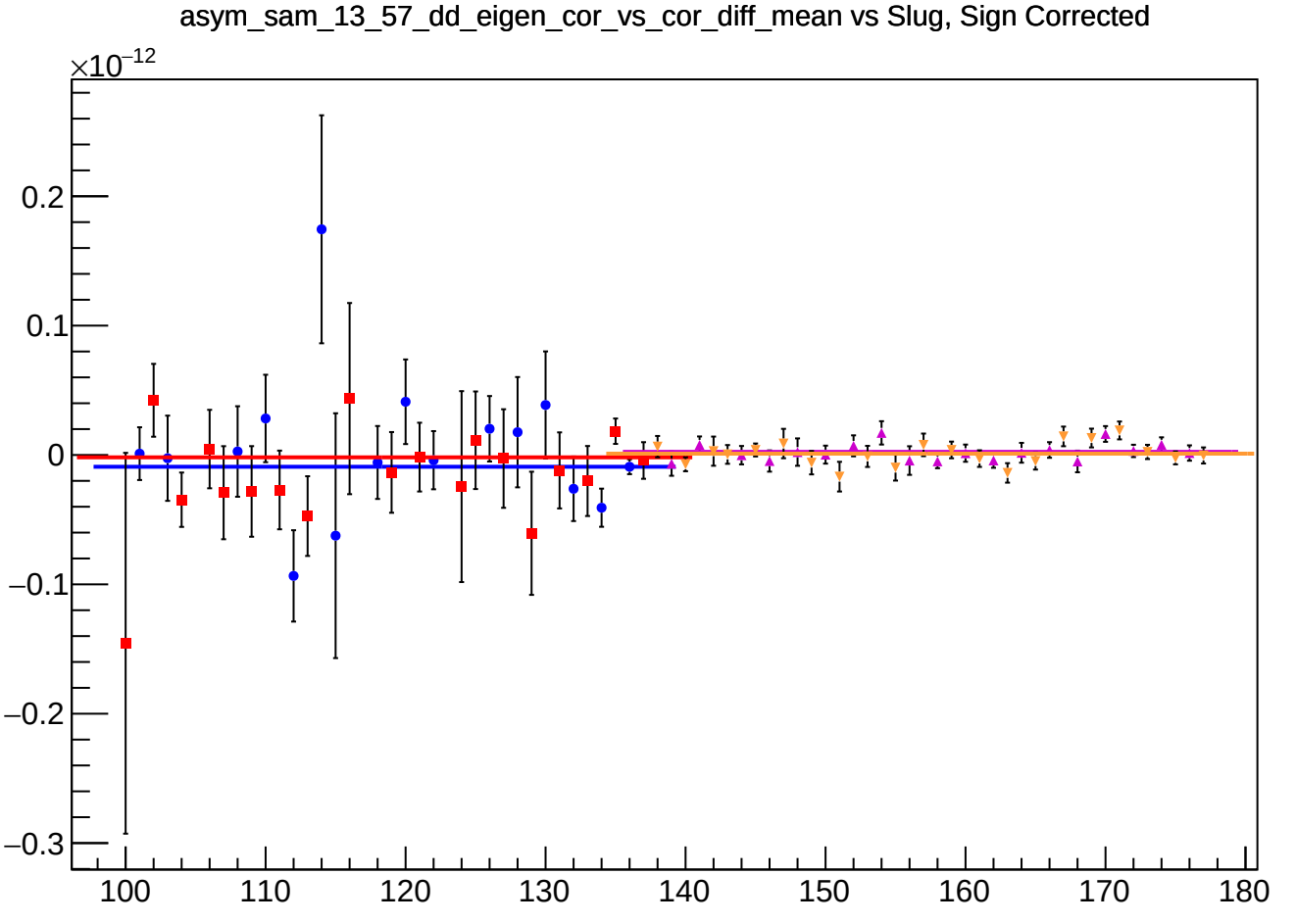
Right In: 21.306+/-0.006 χ2/NDF: 1479231.5/15
Left Out: 20.075+/-0.004 χ2/NDF:1069509.5/20
Right Out: 19.698+/-0.006 χ2/NDF: 2438612.4/18
Left In: 19.813+/-0.004 χ2/NDF:859378.7/18
Left: 19.947+/-0.003 χ2/NDF: 1931498.9/39
Right: 20.464+/-0.004 χ2/NDF: 3954261.4/34
In: 20.211+/-0.003 χ2/NDF:2382568.2/34
Out: 19.971+/-0.003 χ2/NDF:3511178.6/39
All: 20.087+/-0.002 χ2/NDF: 5896728.8/74



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.8/20

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:16.2/18

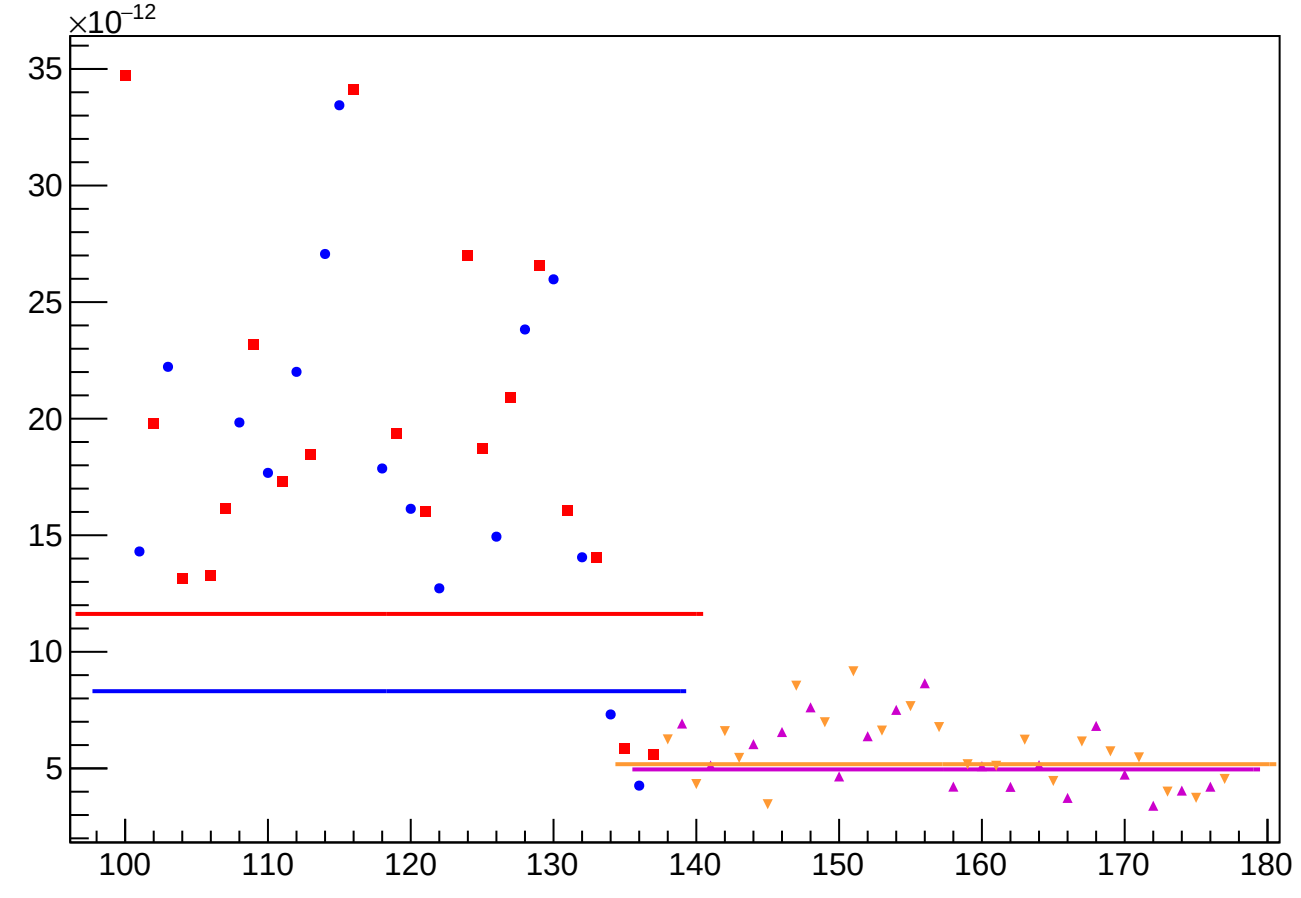
Left: 0.000+/-0.000 χ^2/NDF: 43.4/39

Right: -0.000+/-0.000 χ^2/NDF: 40.6/34

In: 0.000+/-0.000 χ^2/NDF:44.7/34

Out: 0.000+/-0.000 χ^2/NDF:44.0/39

All: 0.000+/-0.000 χ^2/NDF: 88.7/74



Right In: 0.000+/-0.000 χ^2/NDF: 3731754.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1493065.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2610908.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1340497.5/18

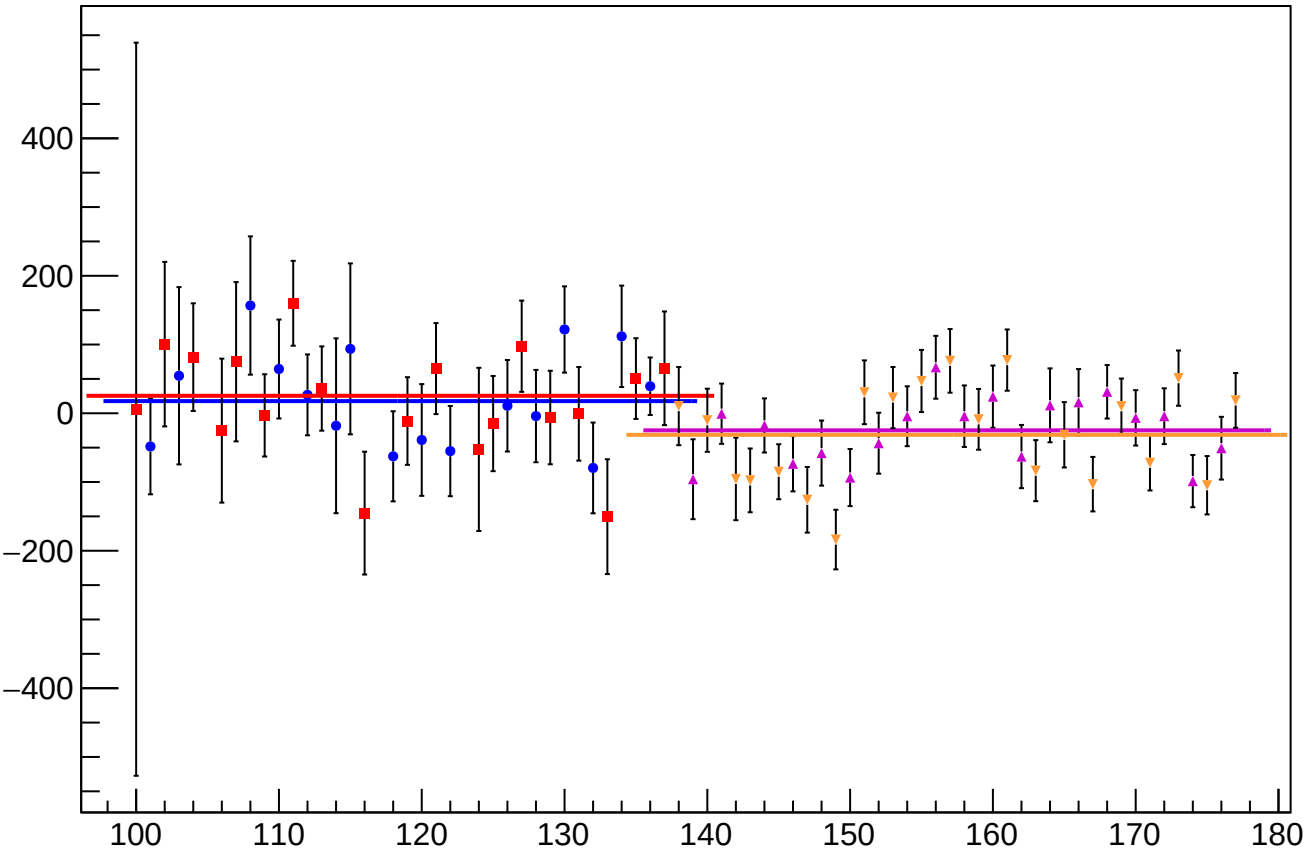
Left: 0.000+/-0.000 χ^2/NDF: 2854658.9/39

Right: 0.000+/-0.000 χ^2/NDF: 6760845.1/34

In: 0.000+/-0.000 χ^2/NDF:6067379.3/34

Out: 0.000+/-0.000 χ^2/NDF:6501070.6/39

All: 0.000+/-0.000 χ^2/NDF: 12609807.9/74



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -31.397+/-9.673 χ^2/NDF:55.4/20

Right Out: 25.440+/-17.337 χ^2/NDF: 17.8/18

Left In: -24.840+/-10.043 χ^2/NDF:20.8/18

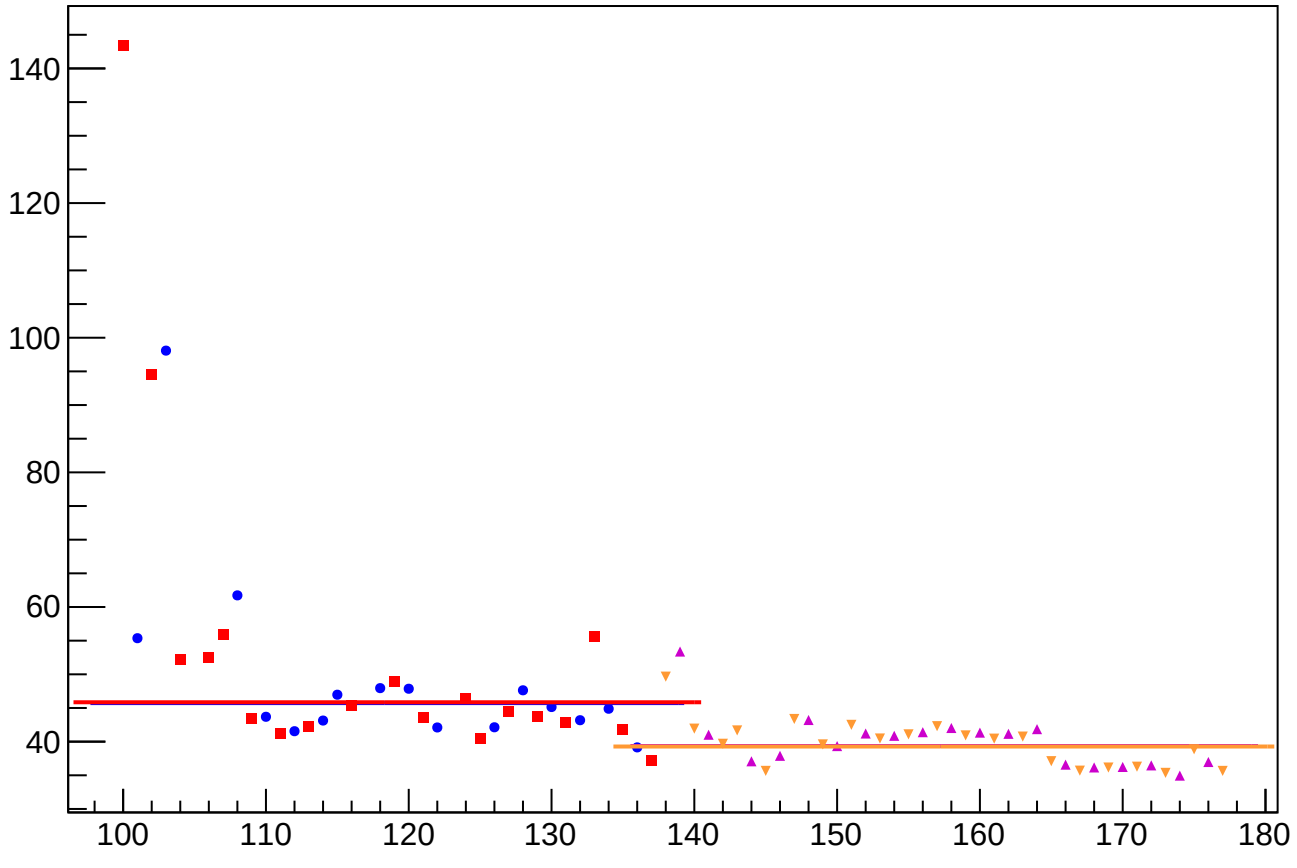
Left: -28.242+/-6.967 χ^2/NDF: 76.5/39

Right: 21.600+/-12.306 χ^2/NDF: 31.9/34

In: -14.273+/-8.707 χ^2/NDF:39.2/34

Out: -17.904+/-8.447 χ^2/NDF:81.5/39

All: -16.143+/-6.063 χ^2/NDF: 120.8/74



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 39.276+/-0.007 χ^2/NDF:218500.1/20

Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 39.351+/-0.007 χ^2/NDF:244770.2/18

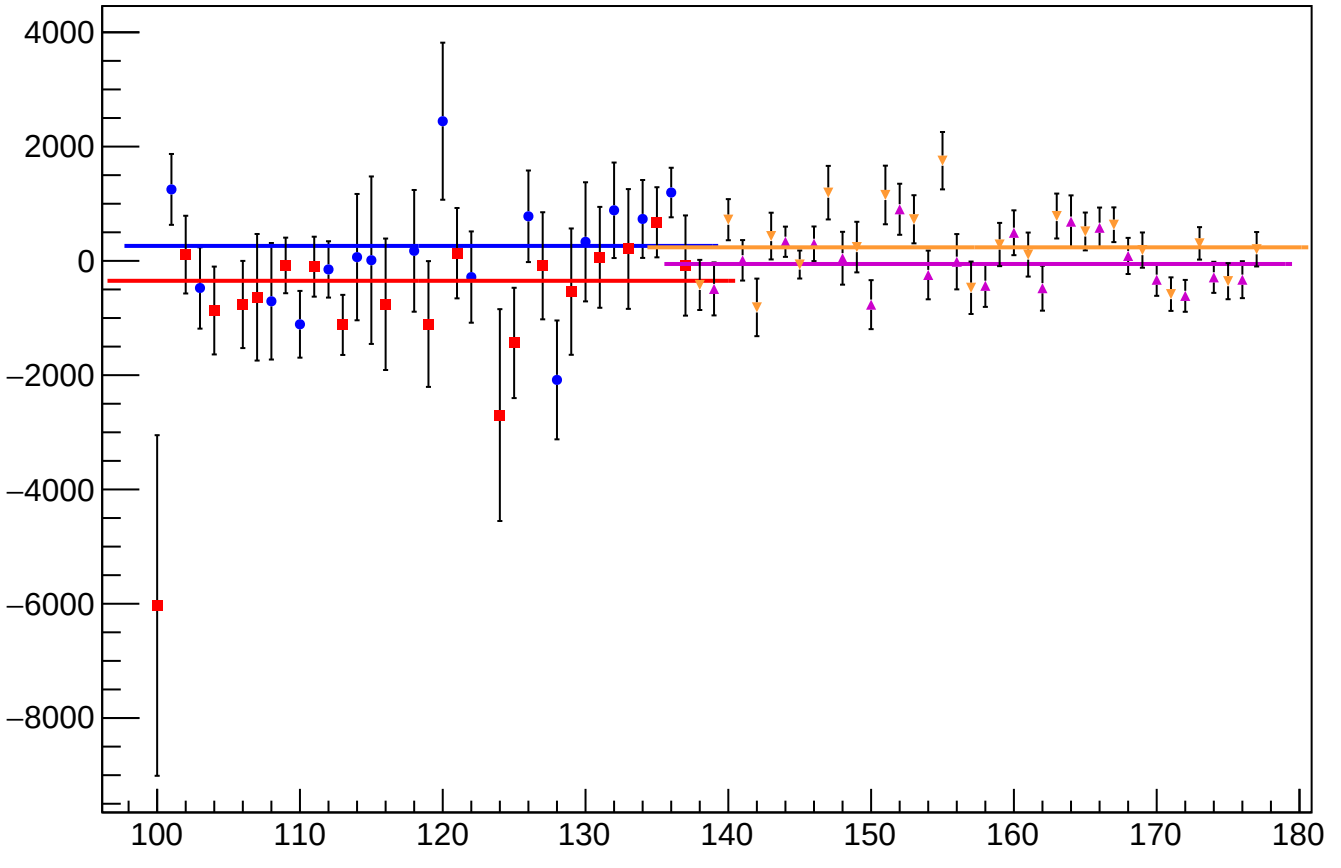
Left: 39.312+/-0.005 χ^2/NDF: 463328.6/39

Right: 45.788+/-0.009 χ^2/NDF: 1041667.0/34

In: 40.935+/-0.006 χ^2/NDF:946446.8/34

Out: 40.836+/-0.006 χ^2/NDF:977931.2/39

All: 40.884+/-0.004 χ^2/NDF: 1924509.4/74



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 237.212+/-78.338 χ^2/NDF:46.2/20

Right Out: -348.685+/-180.682 χ^2/NDF: 14.9/18

Left In: -54.307+/-80.509 χ^2/NDF:28.6/18

Left: 95.436+/-56.145 χ^2/NDF: 81.6/39

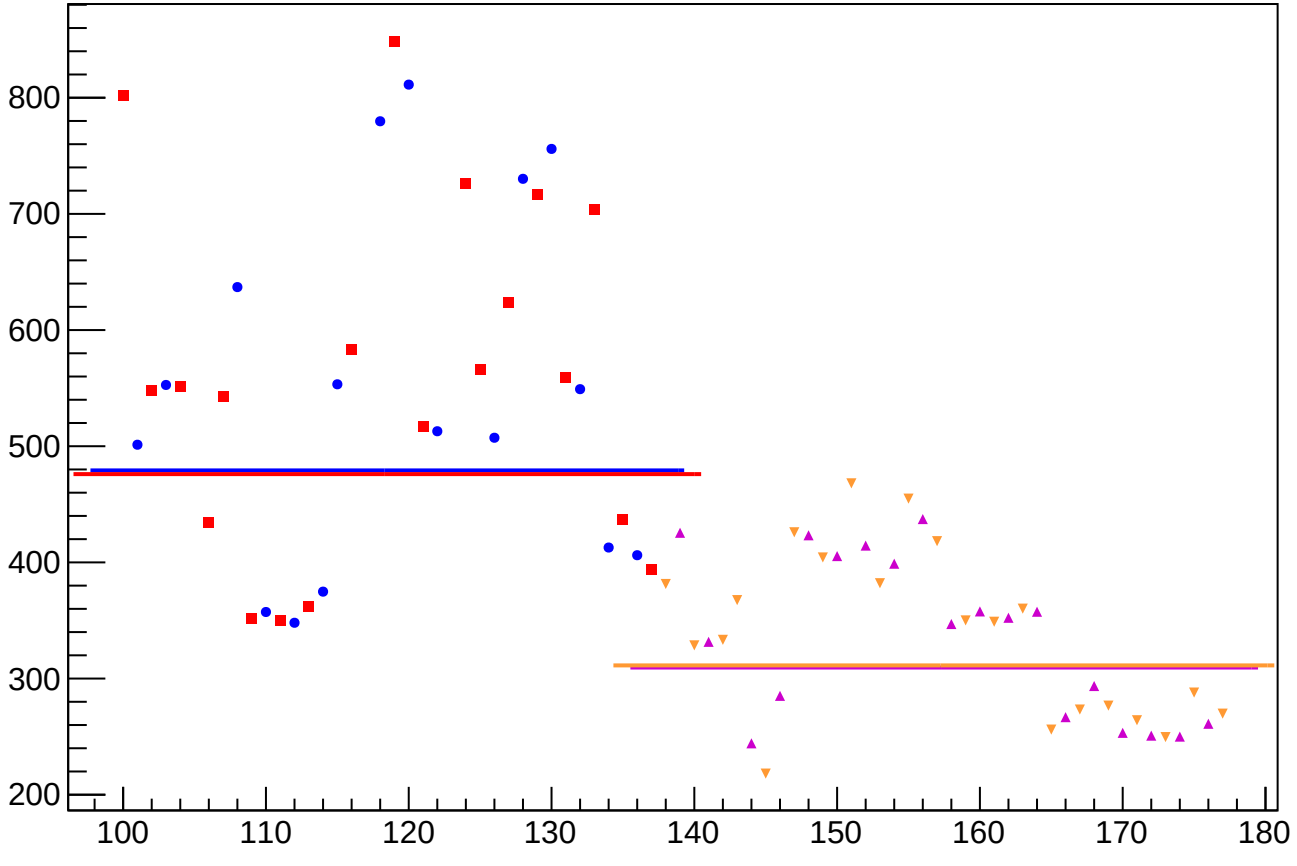
Right: -50.928+/-129.333 χ^2/NDF: 45.5/34

In: -4.047+/-73.835 χ^2/NDF:56.1/34

Out: 144.501+/-71.873 χ^2/NDF:70.0/39

All: 72.227+/-51.502 χ^2/NDF: 128.1/74

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: 311.320+/-0.055 χ^2/NDF:1486466.9/20

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

Left In: 309.482+/-0.057 χ^2/NDF:1266066.6/18

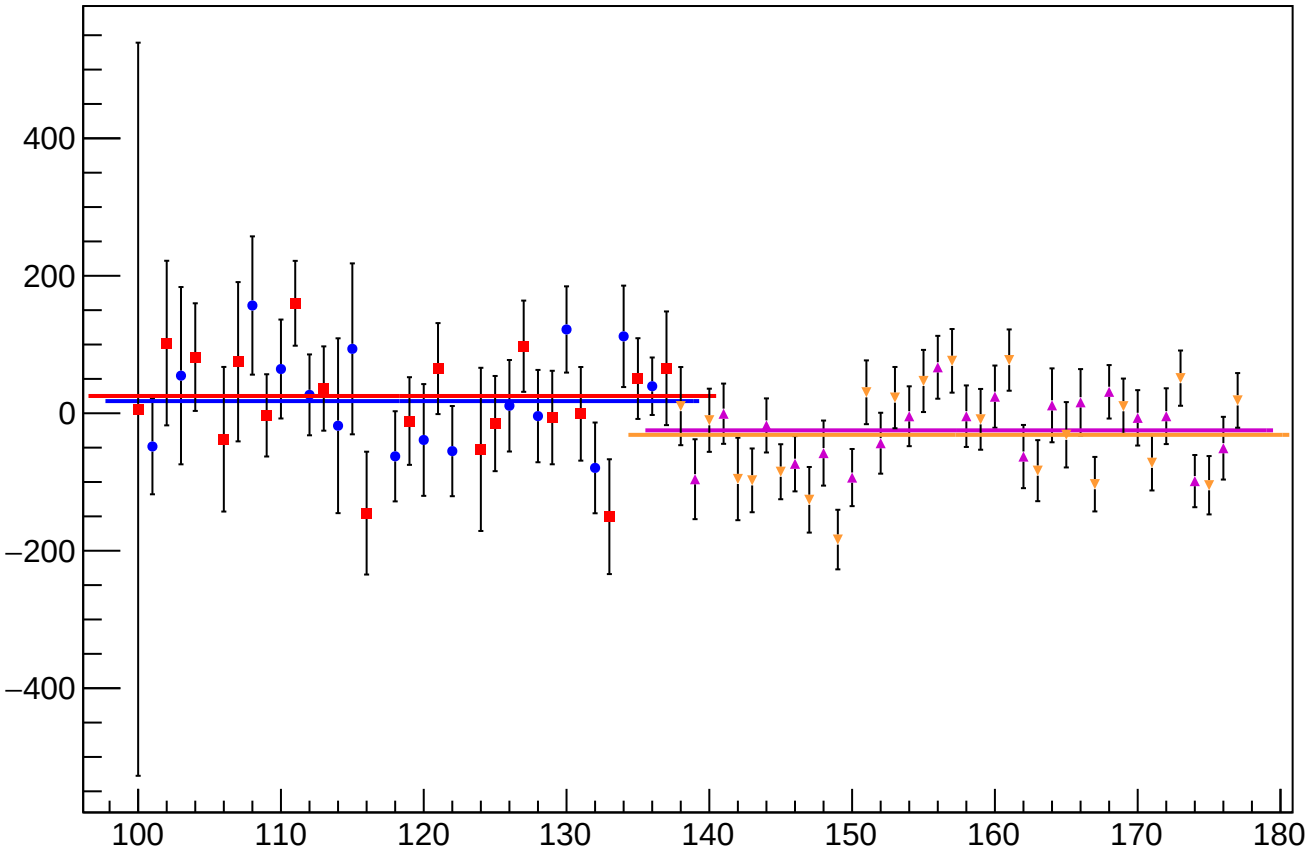
Left: 310.426+/-0.040 χ^2/NDF: 2753068.9/39

Right: 477.545+/-0.091 χ^2/NDF: 1959484.6/34

In: 336.451+/-0.052 χ^2/NDF:3630876.0/34

Out: 337.377+/-0.051 χ^2/NDF:3891342.0/39

All: 336.927+/-0.036 χ^2/NDF: 7522379.5/74



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -31.398+/-9.673 χ^2/NDF:55.4/20

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -24.839+/-10.043 χ^2/NDF:20.8/18

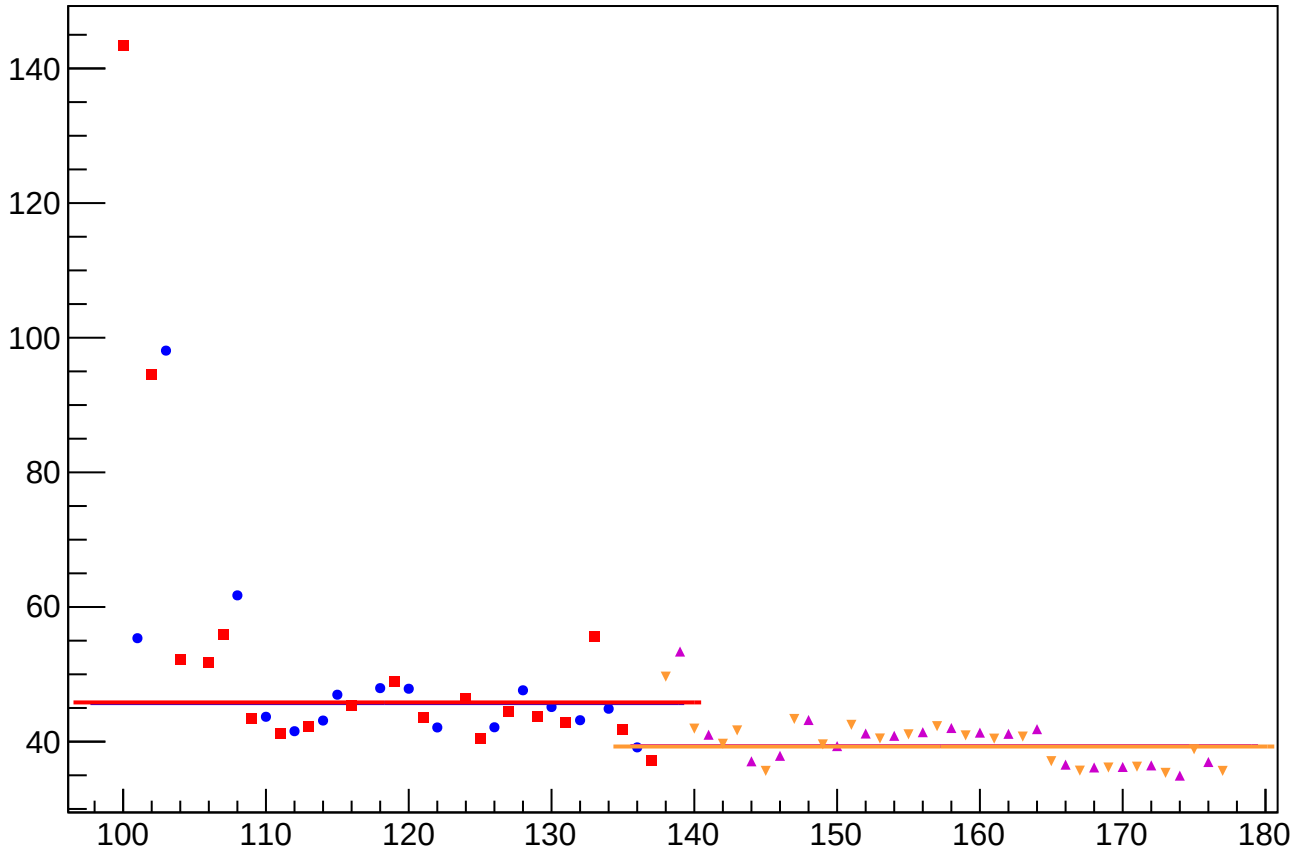
Left: -28.242+/-6.967 χ^2/NDF: 76.5/39

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -14.271+/-8.707 χ^2/NDF:39.2/34

Out: -17.977+/-8.448 χ^2/NDF:81.5/39

All: -16.180+/-6.063 χ^2/NDF: 120.9/74



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 39.276+/-0.007 χ^2/NDF:218500.1/20

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 39.351+/-0.007 χ^2/NDF:244770.2/18

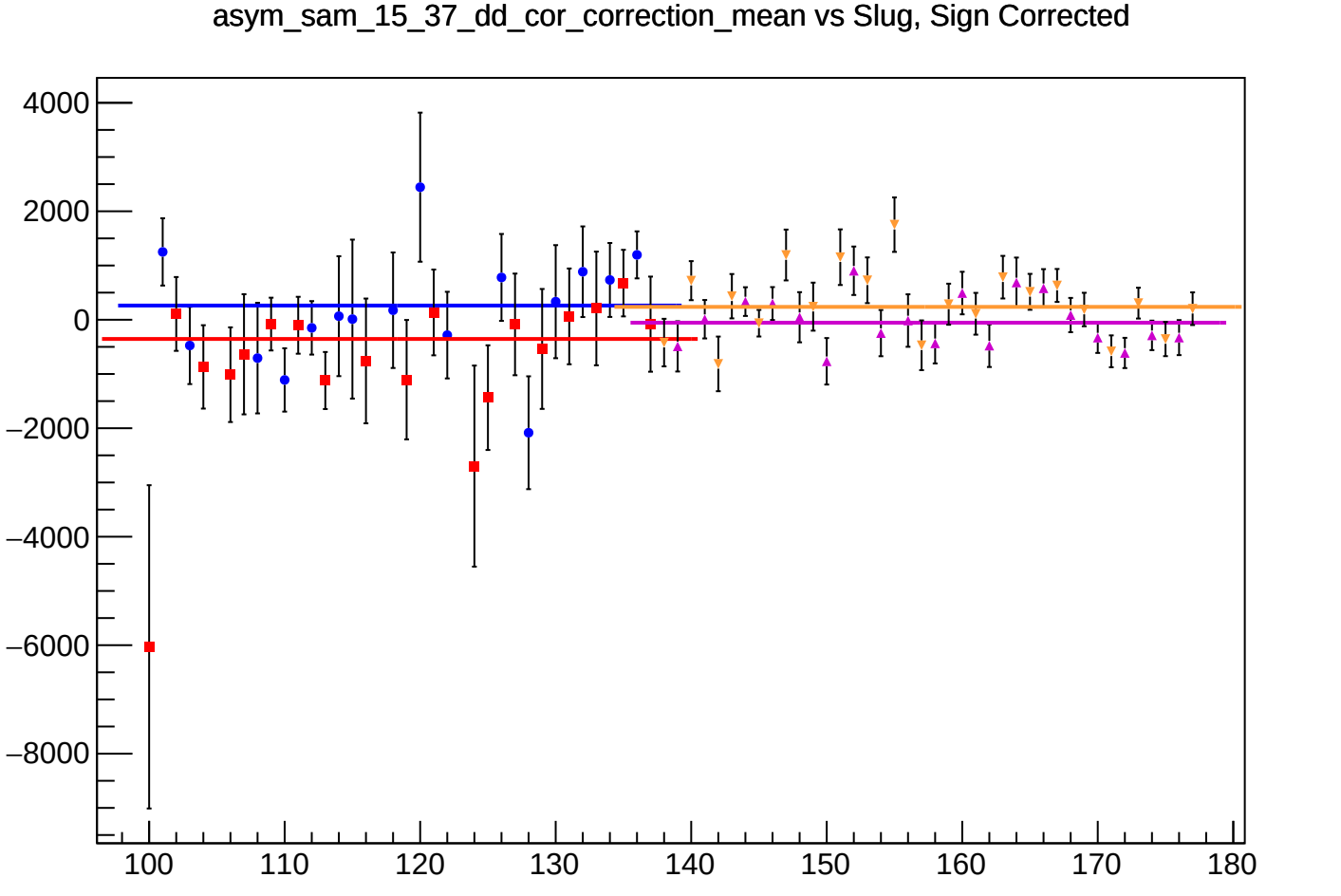
Left: 39.312+/-0.005 χ^2/NDF: 463328.6/39

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 40.935+/-0.006 χ^2/NDF:946449.7/34

Out: 40.830+/-0.006 χ^2/NDF:974612.6/39

All: 40.881+/-0.004 χ^2/NDF: 1921210.2/74



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 237.209+/-78.338 χ^2/NDF:46.2/20

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: -54.304+/-80.509 χ^2/NDF:28.6/18

Left: 95.437+/-56.145 χ^2/NDF: 81.6/39

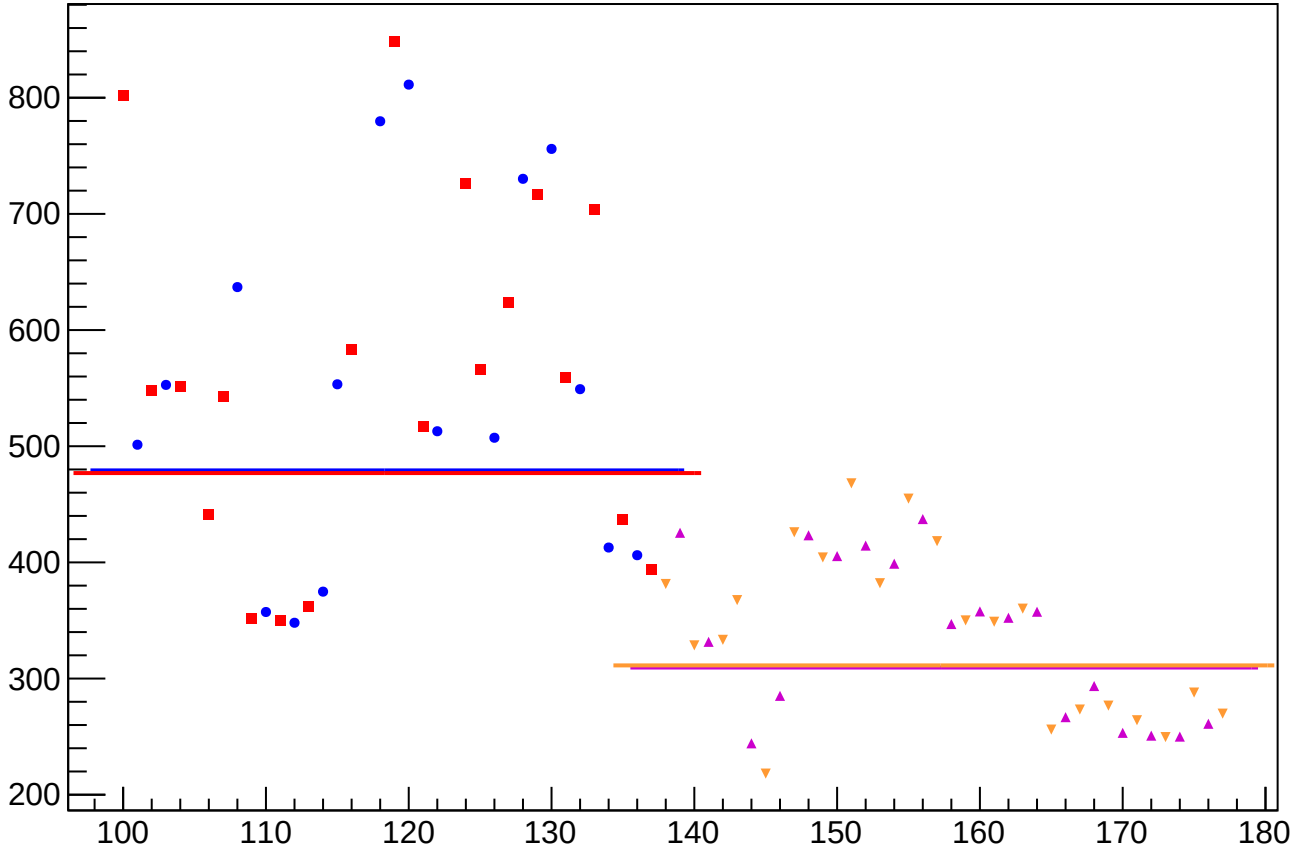
Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: -4.044+/-73.835 χ^2/NDF:56.1/34

Out: 144.682+/-71.950 χ^2/NDF:70.3/39

All: 72.242+/-51.530 χ^2/NDF: 128.5/74

asym_sam_15_37_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 311.320+/-0.055 χ^2/NDF:1486464.7/20

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 309.482+/-0.057 χ^2/NDF:1266075.3/18

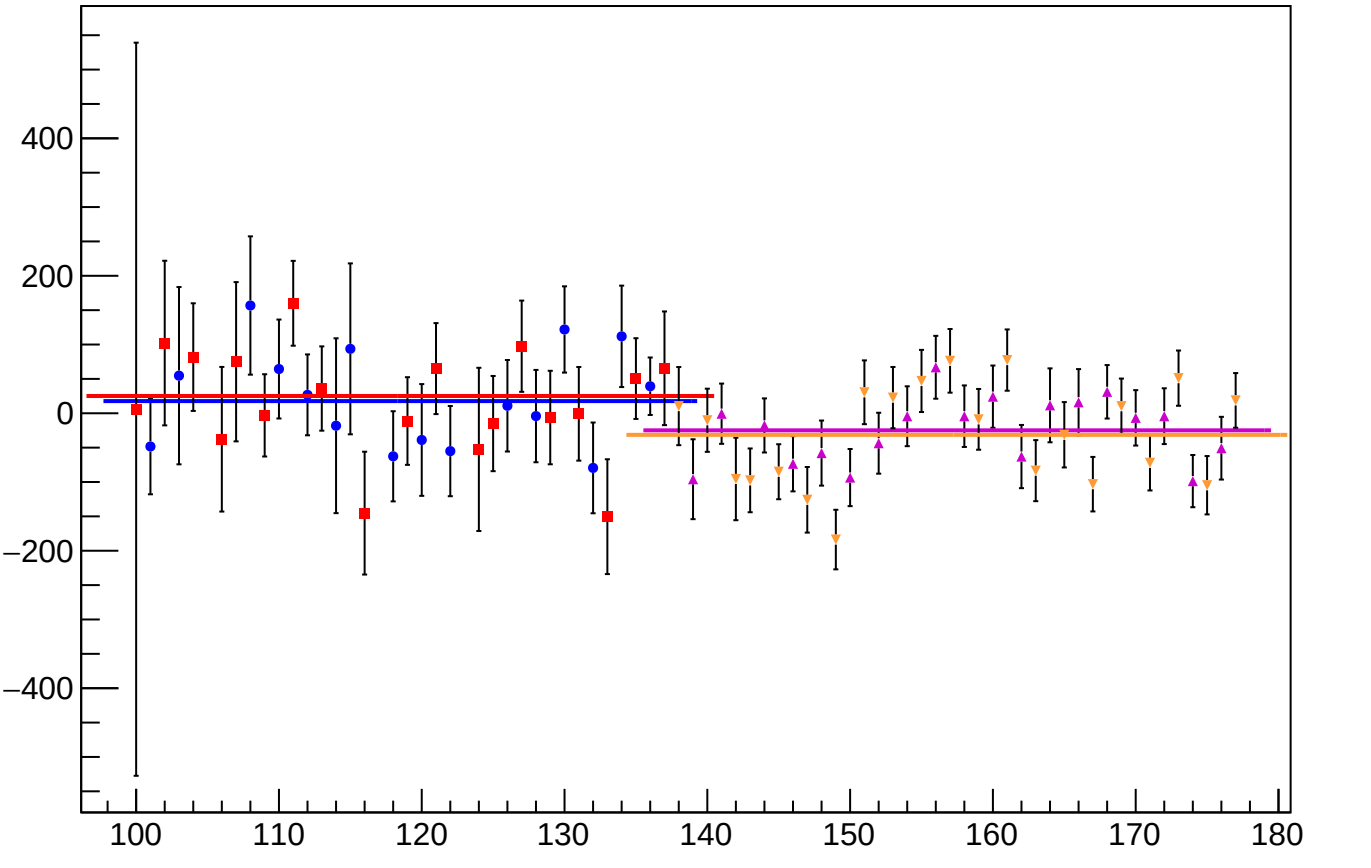
Left: 310.426+/-0.040 χ^2/NDF: 2753075.4/39

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 336.451+/-0.052 χ^2/NDF:3630938.7/34

Out: 337.224+/-0.051 χ^2/NDF:3888011.7/39

All: 336.848+/-0.036 χ^2/NDF: 7519062.9/74



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -31.398+/-9.673 χ^2/NDF:55.4/20

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -24.839+/-10.043 χ^2/NDF:20.8/18

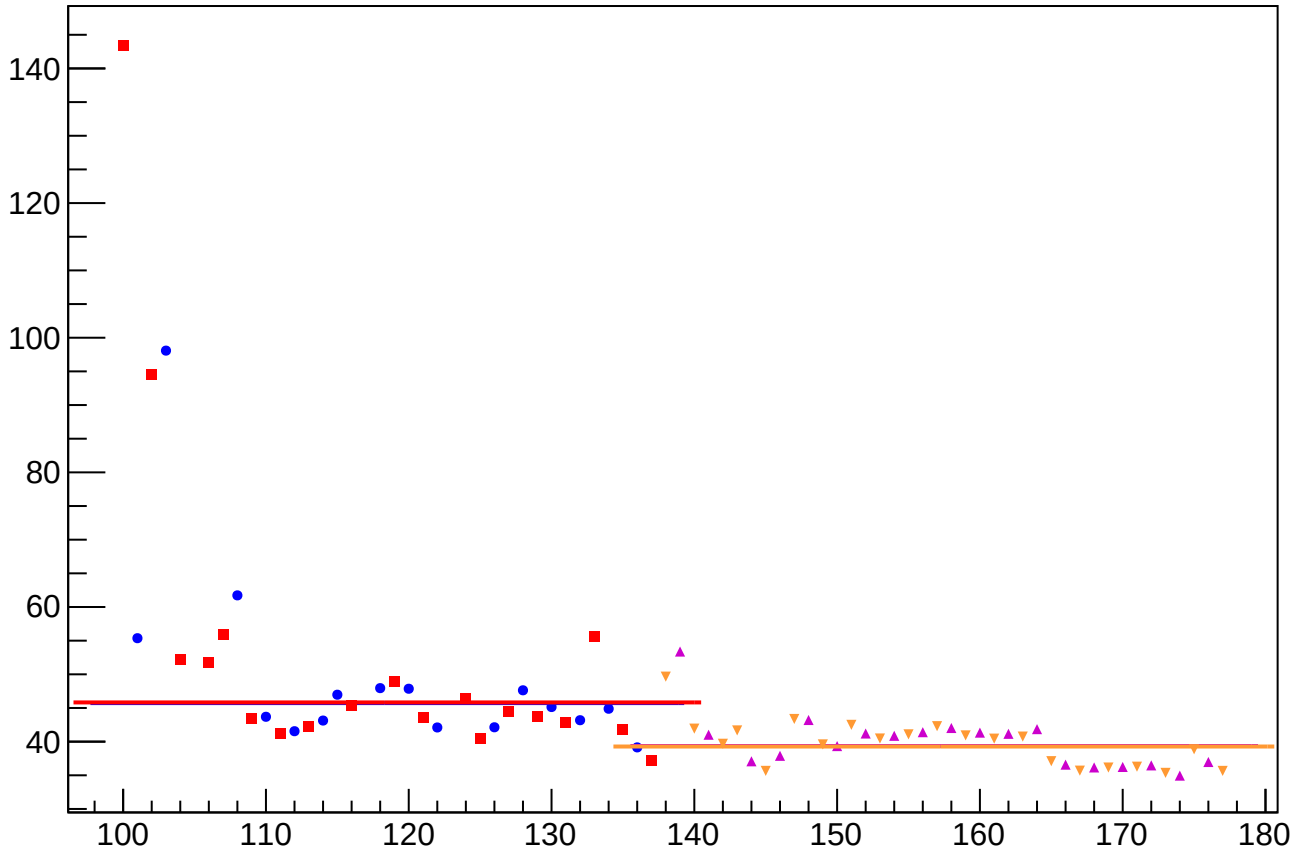
Left: -28.242+/-6.967 χ^2/NDF: 76.5/39

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -14.271+/-8.707 χ^2/NDF:39.2/34

Out: -17.977+/-8.448 χ^2/NDF:81.5/39

All: -16.180+/-6.063 χ^2/NDF: 120.9/74



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 39.276+/-0.007 χ^2/NDF:218500.1/20

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 39.351+/-0.007 χ^2/NDF:244770.2/18

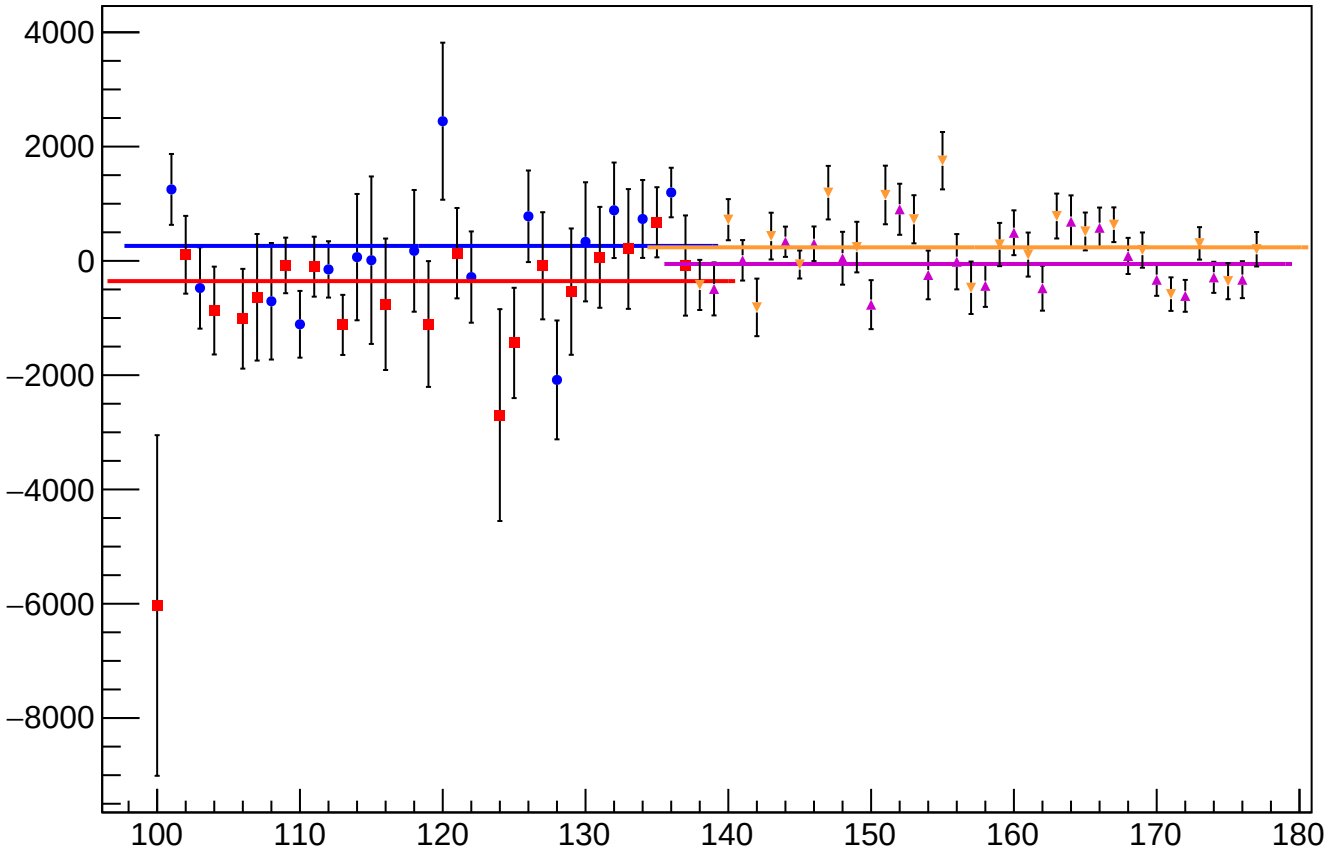
Left: 39.312+/-0.005 χ^2/NDF: 463328.6/39

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 40.935+/-0.006 χ^2/NDF:946449.7/34

Out: 40.830+/-0.006 χ^2/NDF:974612.6/39

All: 40.881+/-0.004 χ^2/NDF: 1921210.2/74



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 237.209+/-78.338 χ^2/NDF:46.2/20

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: -54.304+/-80.509 χ^2/NDF:28.6/18

Left: 95.437+/-56.145 χ^2/NDF: 81.6/39

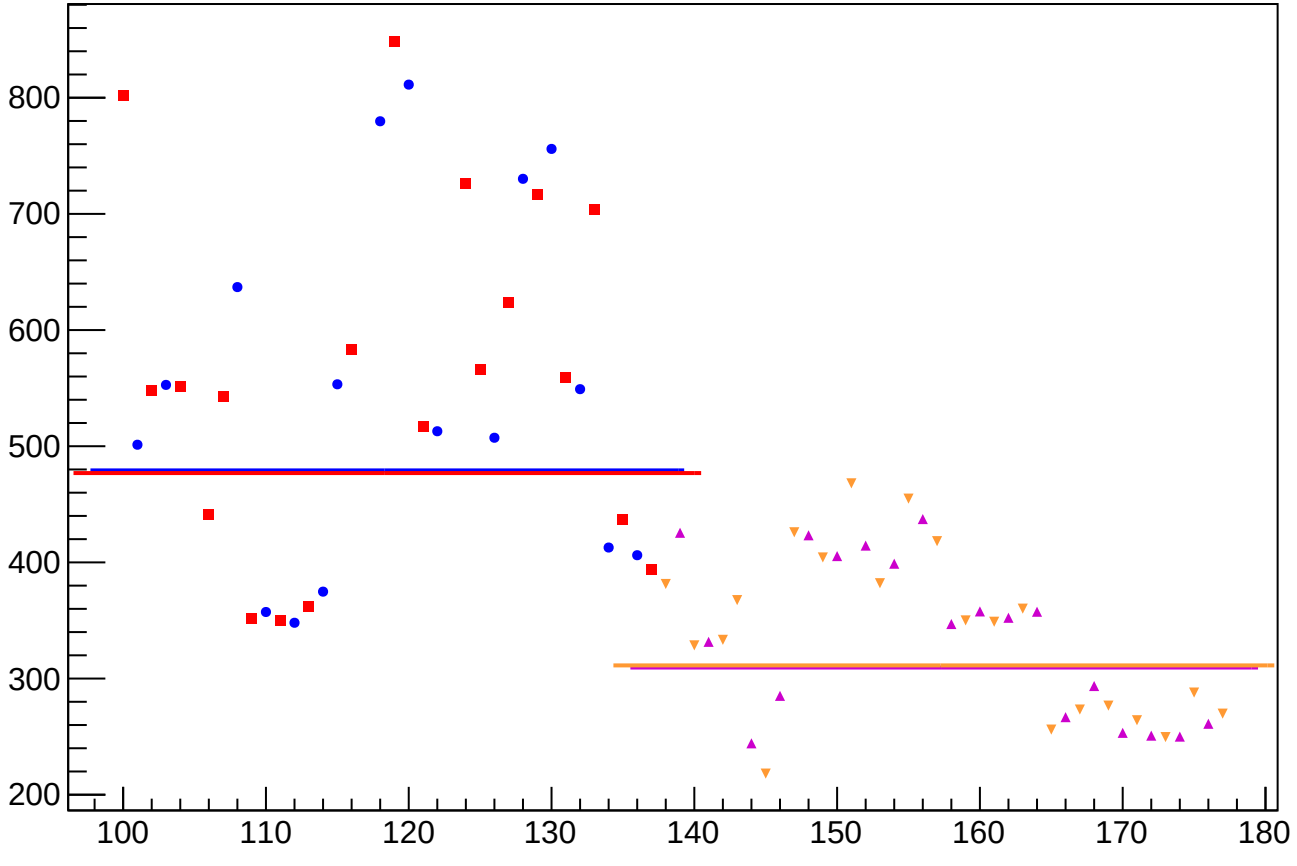
Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: -4.044+/-73.835 χ^2/NDF:56.1/34

Out: 144.682+/-71.950 χ^2/NDF:70.3/39

All: 72.242+/-51.530 χ^2/NDF: 128.5/74

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: 311.320+/-0.055 χ^2/NDF:1486464.7/20

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 309.482+/-0.057 χ^2/NDF:1266075.3/18

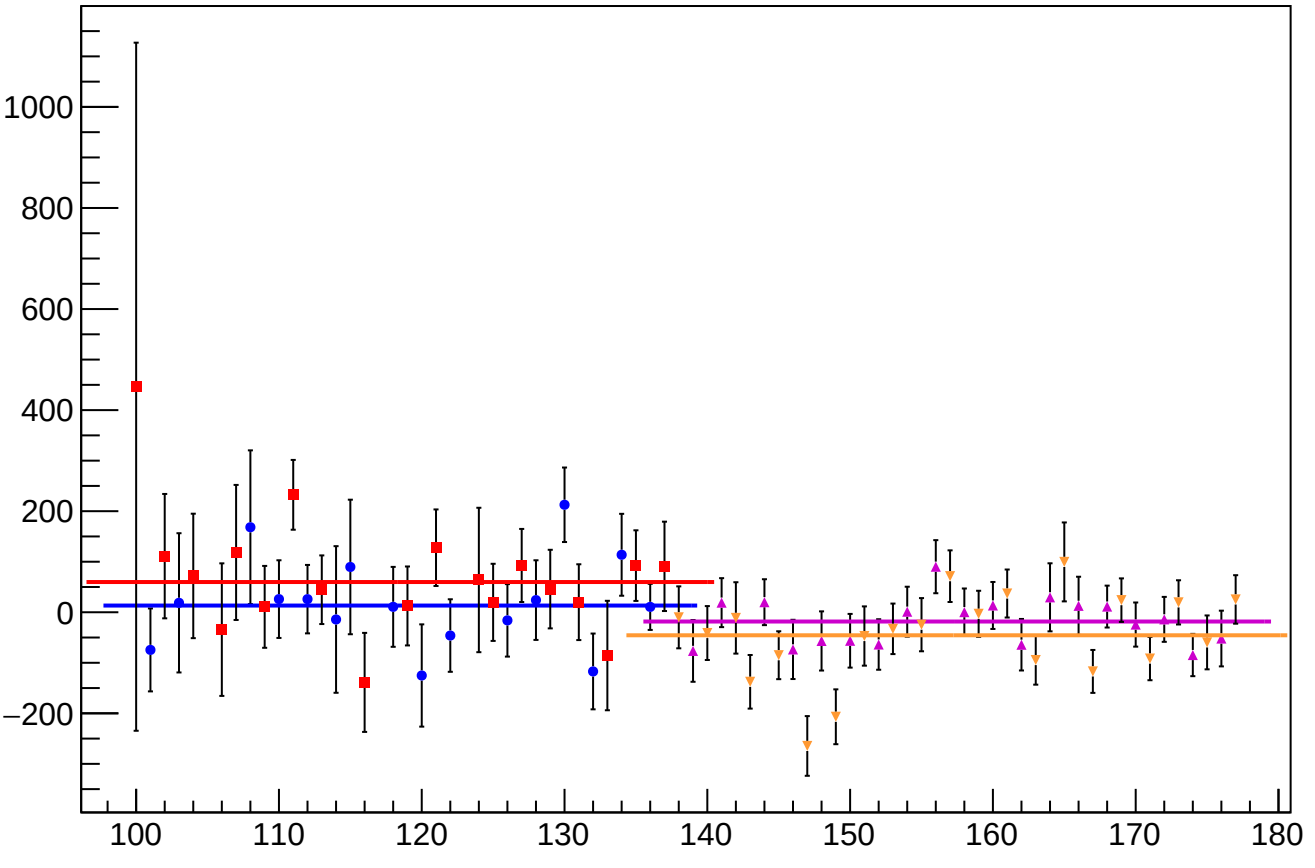
Left: 310.426+/-0.040 χ^2/NDF: 2753075.4/39

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 336.451+/-0.052 χ^2/NDF:3630938.7/34

Out: 337.224+/-0.051 χ^2/NDF:3888011.7/39

All: 336.848+/-0.036 χ^2/NDF: 7519062.9/74



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -45.562+/-11.086 χ^2/NDF:51.8/20

Right Out: 59.810+/-20.234 χ^2/NDF: 16.1/18

Left In: -18.335+/-11.450 χ^2/NDF:14.9/18

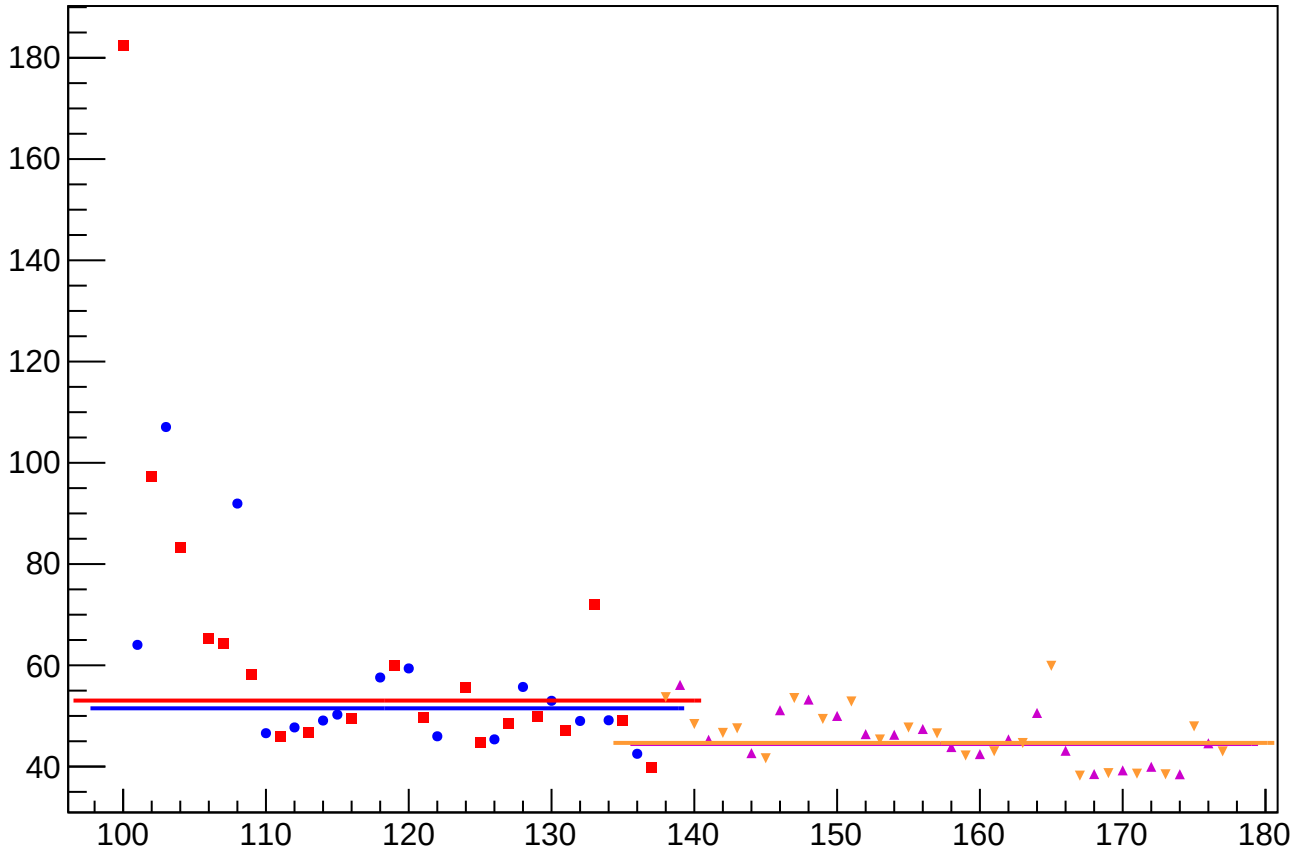
Left: -32.389+/-7.965 χ^2/NDF: 69.6/39

Right: 36.091+/-14.170 χ^2/NDF: 36.0/34

In: -10.445+/-9.918 χ^2/NDF:34.1/34

Out: -21.234+/-9.722 χ^2/NDF:88.7/39

All: -15.947+/-6.943 χ^2/NDF: 123.4/74



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 44.675+/-0.008 χ^2/NDF:437327.8/20

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

Left In: 44.454+/-0.008 χ^2/NDF:334449.2/18

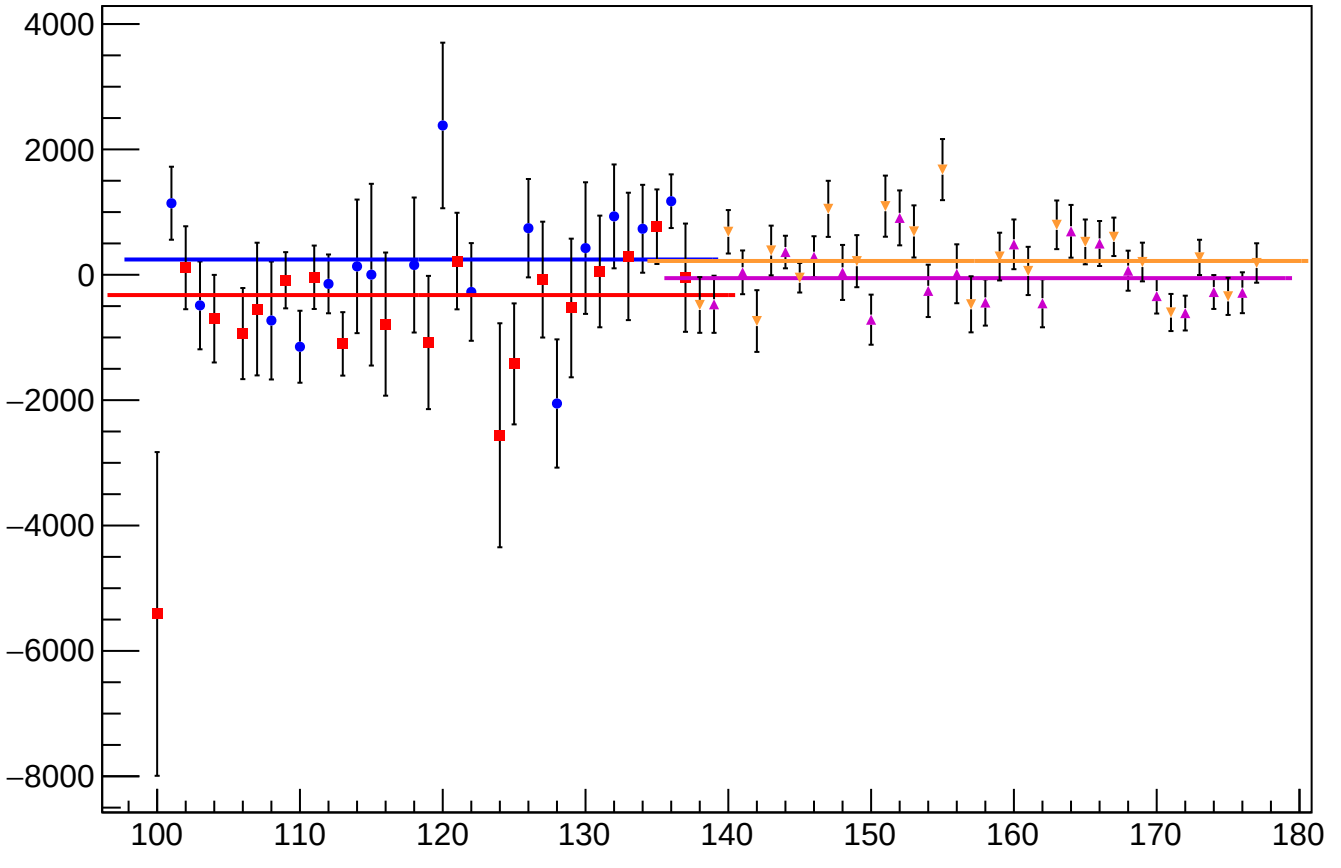
Left: 44.568+/-0.006 χ^2/NDF: 772161.2/39

Right: 52.257+/-0.010 χ^2/NDF: 1385808.8/34

In: 46.215+/-0.007 χ^2/NDF:1190900.7/34

Out: 46.606+/-0.007 χ^2/NDF:1412988.1/39

All: 46.414+/-0.005 χ^2/NDF: 2605472.9/74



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 220.252+/-77.480 χ^2/NDF:44.9/20

Right Out: -323.628+/-173.632 χ^2/NDF: 16.5/18

Left In: -53.710+/-79.867 χ^2/NDF:28.4/18

Left: 87.427+/-55.611 χ^2/NDF: 79.4/39

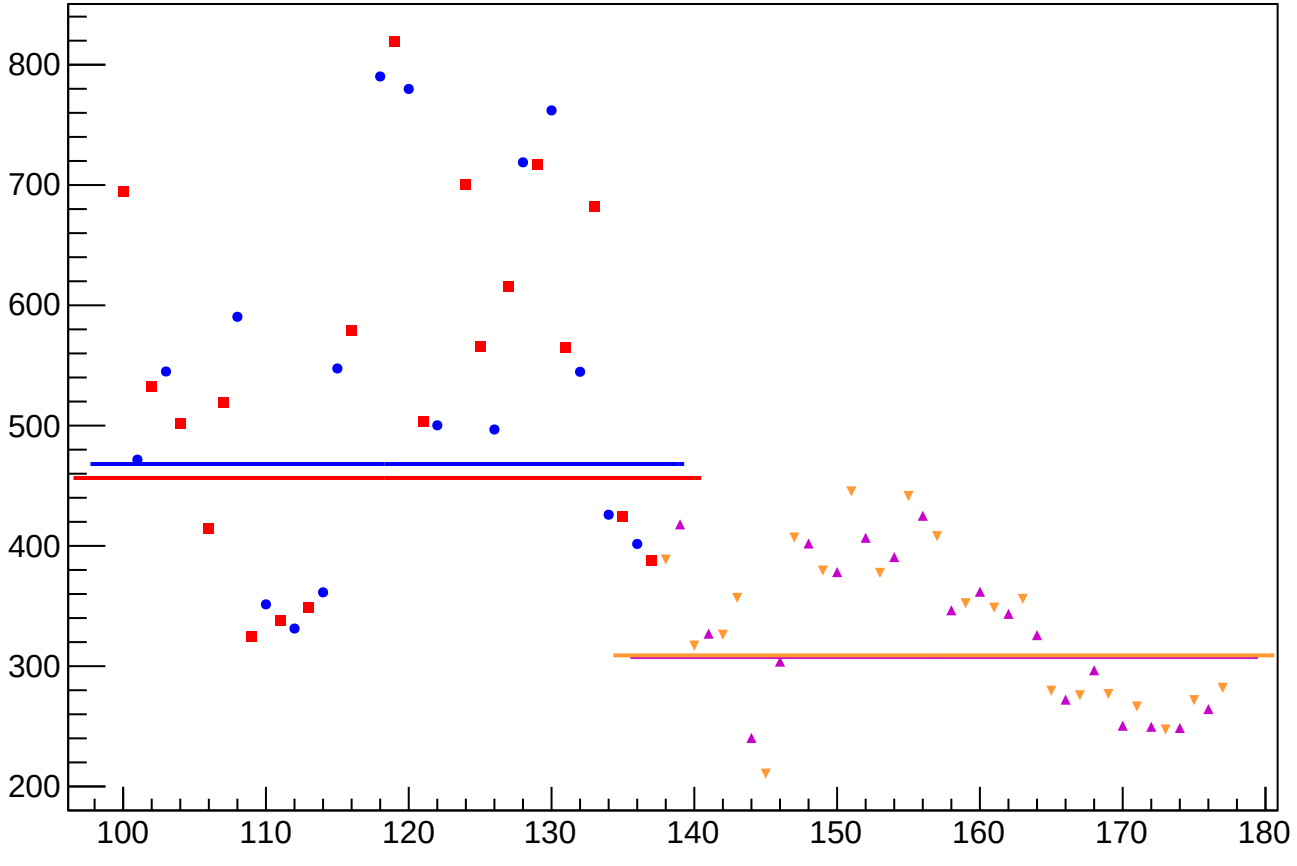
Right: -51.485+/-125.258 χ^2/NDF: 47.2/34

In: -5.162+/-73.061 χ^2/NDF:56.3/34

Out: 129.938+/-70.755 χ^2/NDF:69.6/39

All: 64.554+/-50.827 χ^2/NDF: 127.6/74

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: 308.975+/-0.055 χ^2/NDF:1372525.2/20

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

Left In: 307.672+/-0.056 χ^2/NDF:1123498.2/18

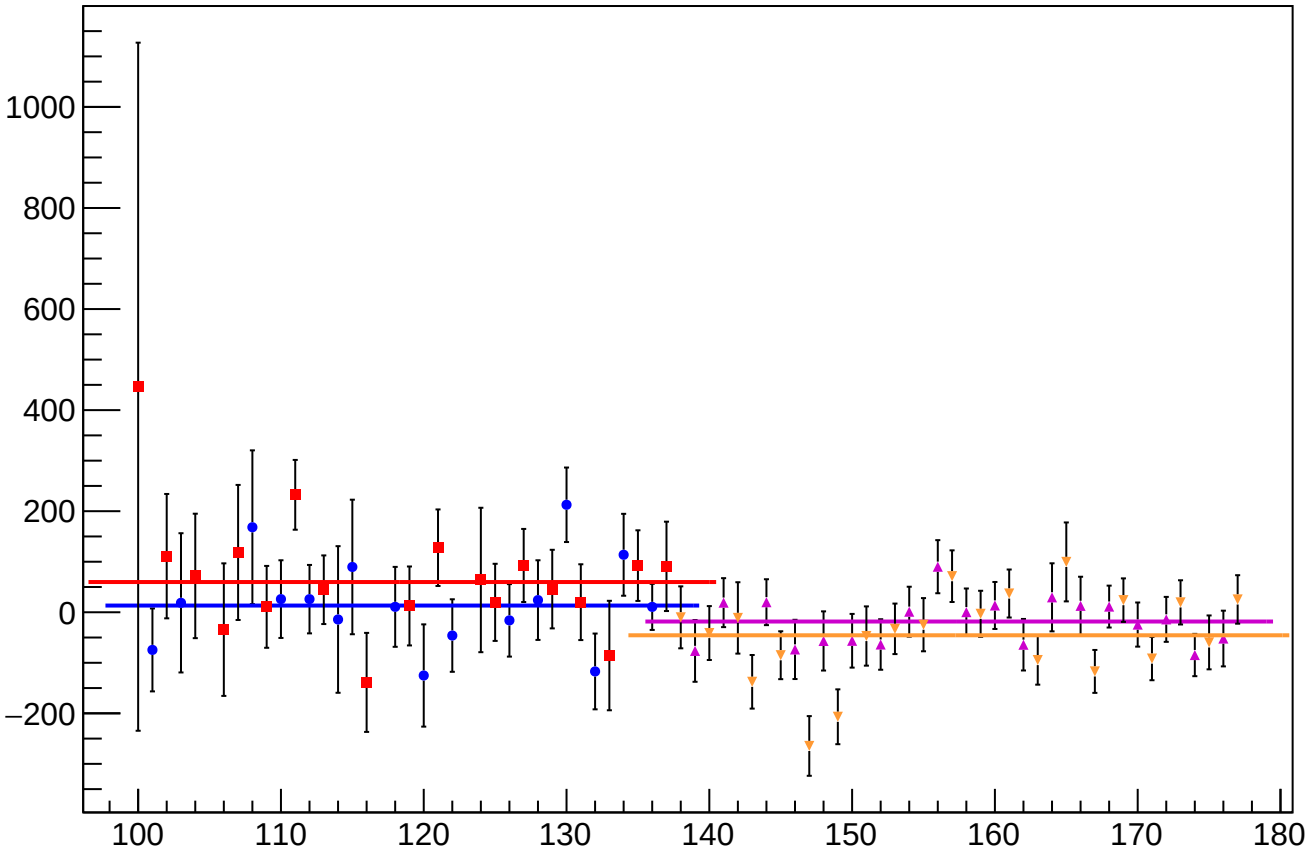
Left: 308.344+/-0.039 χ^2/NDF: 2496297.7/39

Right: 462.030+/-0.089 χ^2/NDF: 2069762.6/34

In: 333.843+/-0.052 χ^2/NDF:3422542.3/34

Out: 333.467+/-0.050 χ^2/NDF:3658602.4/39

All: 333.649+/-0.036 χ^2/NDF: 7081172.0/74



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -45.562+/-11.086 χ^2/NDF:51.8/20

Right Out: 59.811+/-20.234 χ^2/NDF: 16.1/18

Left In: -18.335+/-11.450 χ^2/NDF:14.9/18

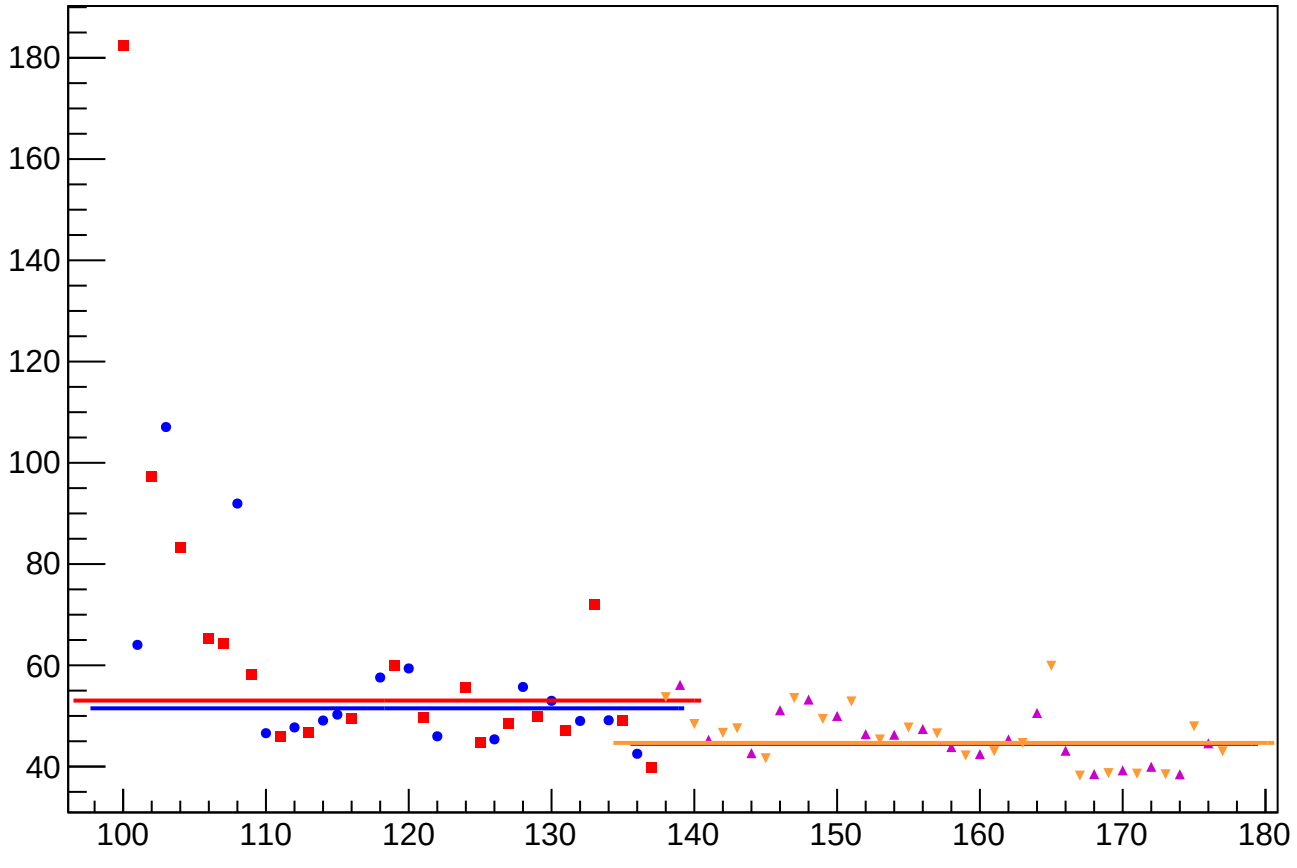
Left: -32.389+/-7.965 χ^2/NDF: 69.6/39

Right: 36.092+/-14.170 χ^2/NDF: 36.0/34

In: -10.444+/-9.918 χ^2/NDF:34.1/34

Out: -21.234+/-9.722 χ^2/NDF:88.7/39

All: -15.947+/-6.943 χ^2/NDF: 123.4/74



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 44.675+/-0.008 χ^2/NDF:437331.0/20

Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 44.454+/-0.008 χ^2/NDF:334448.5/18

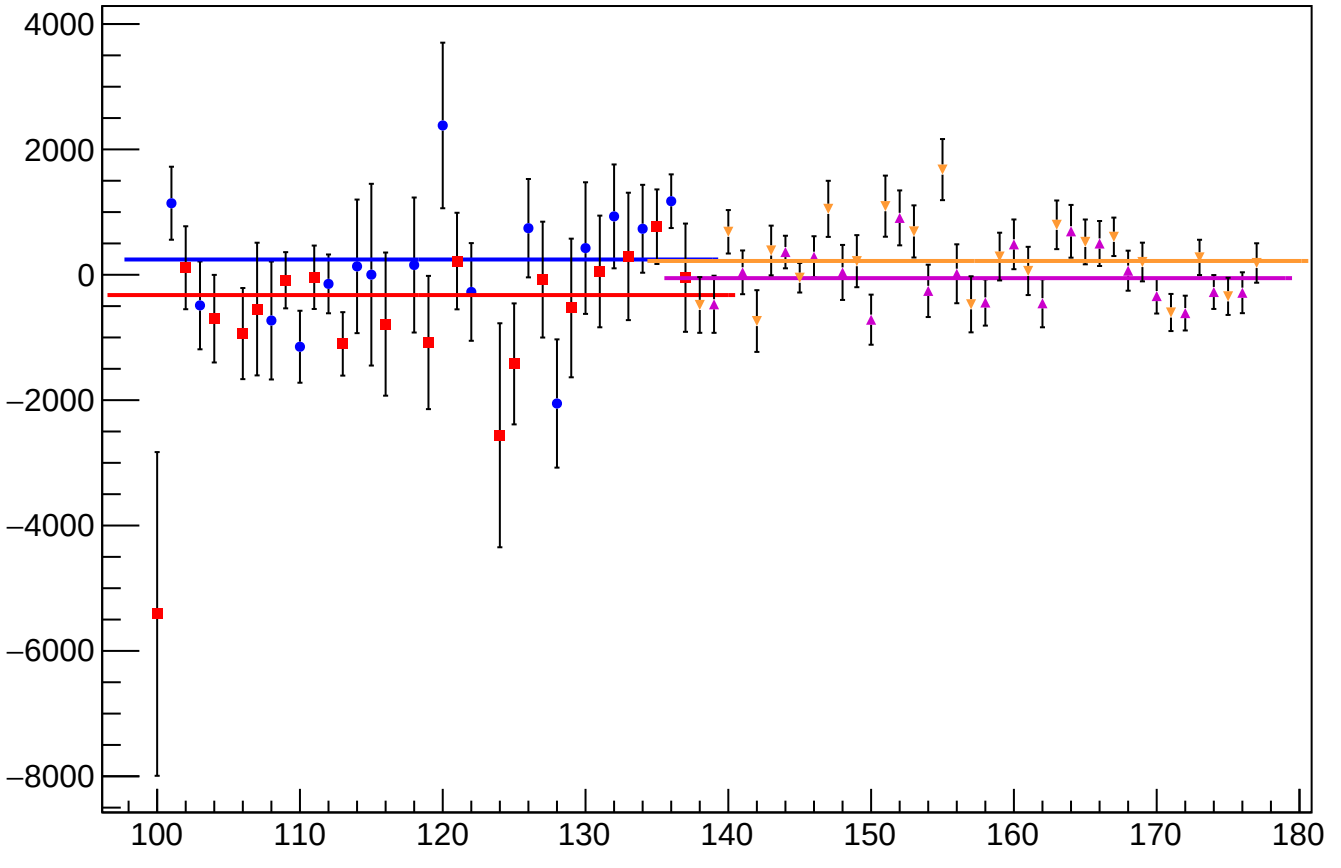
Left: 44.568+/-0.006 χ^2/NDF: 772163.6/39

Right: 52.257+/-0.010 χ^2/NDF: 1385824.6/34

In: 46.215+/-0.007 χ^2/NDF:1190904.7/34

Out: 46.606+/-0.007 χ^2/NDF:1413002.1/39

All: 46.414+/-0.005 χ^2/NDF: 2605491.0/74



Right In: 243.826+/-180.872 χ^2/NDF: 25.6/15

Left Out: 220.253+/-77.480 χ^2/NDF:44.9/20

Right Out: -323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: -53.710+/-79.867 χ^2/NDF:28.4/18

Left: 87.427+/-55.611 χ^2/NDF: 79.4/39

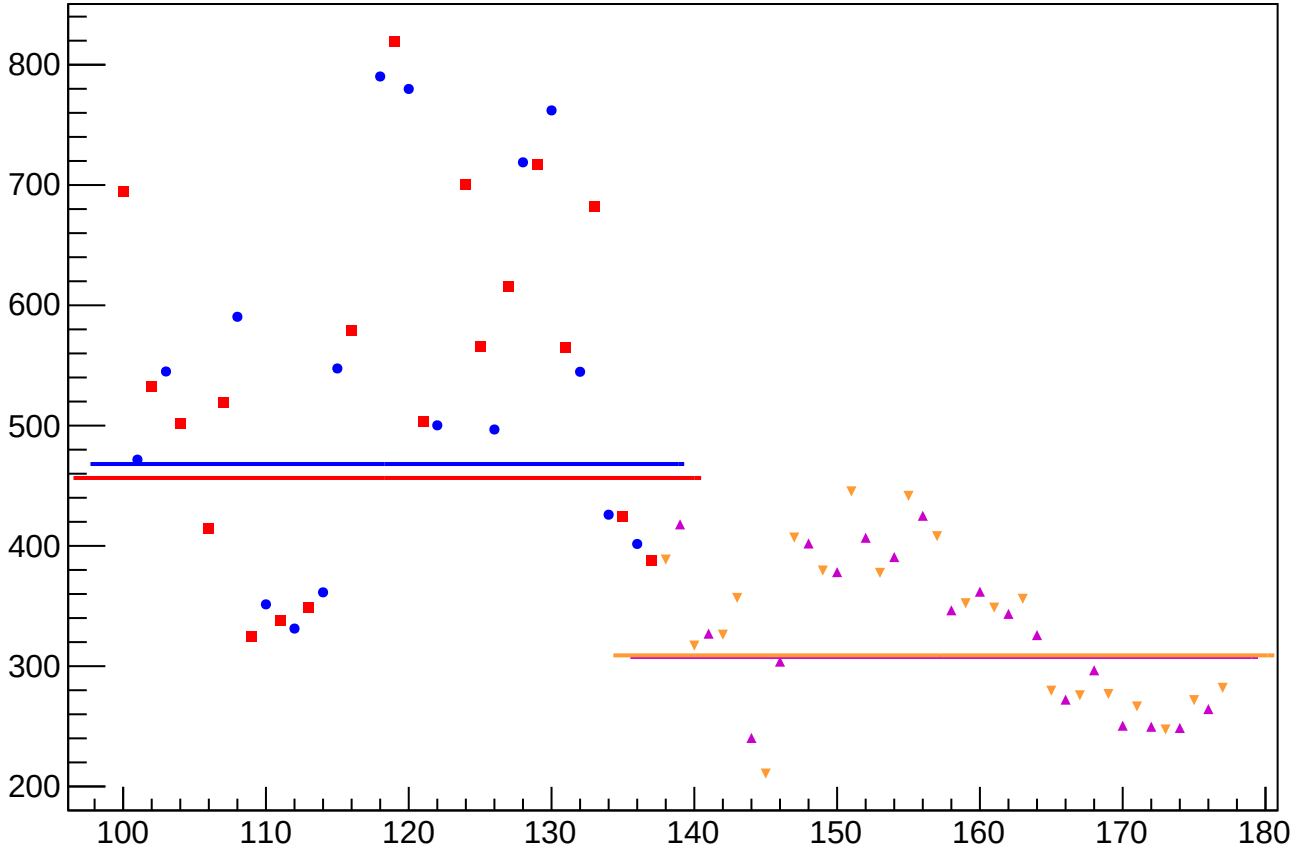
Right: -51.485+/-125.257 χ^2/NDF: 47.2/34

In: -5.162+/-73.061 χ^2/NDF:56.3/34

Out: 129.938+/-70.755 χ^2/NDF:69.6/39

All: 64.554+/-50.827 χ^2/NDF: 127.6/74

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: 308.976+/-0.055 χ^2/NDF:1372522.1/20

Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

Left In: 307.673+/-0.056 χ^2/NDF:1123491.5/18

Left: 308.344+/-0.039 χ^2/NDF: 2496287.8/39

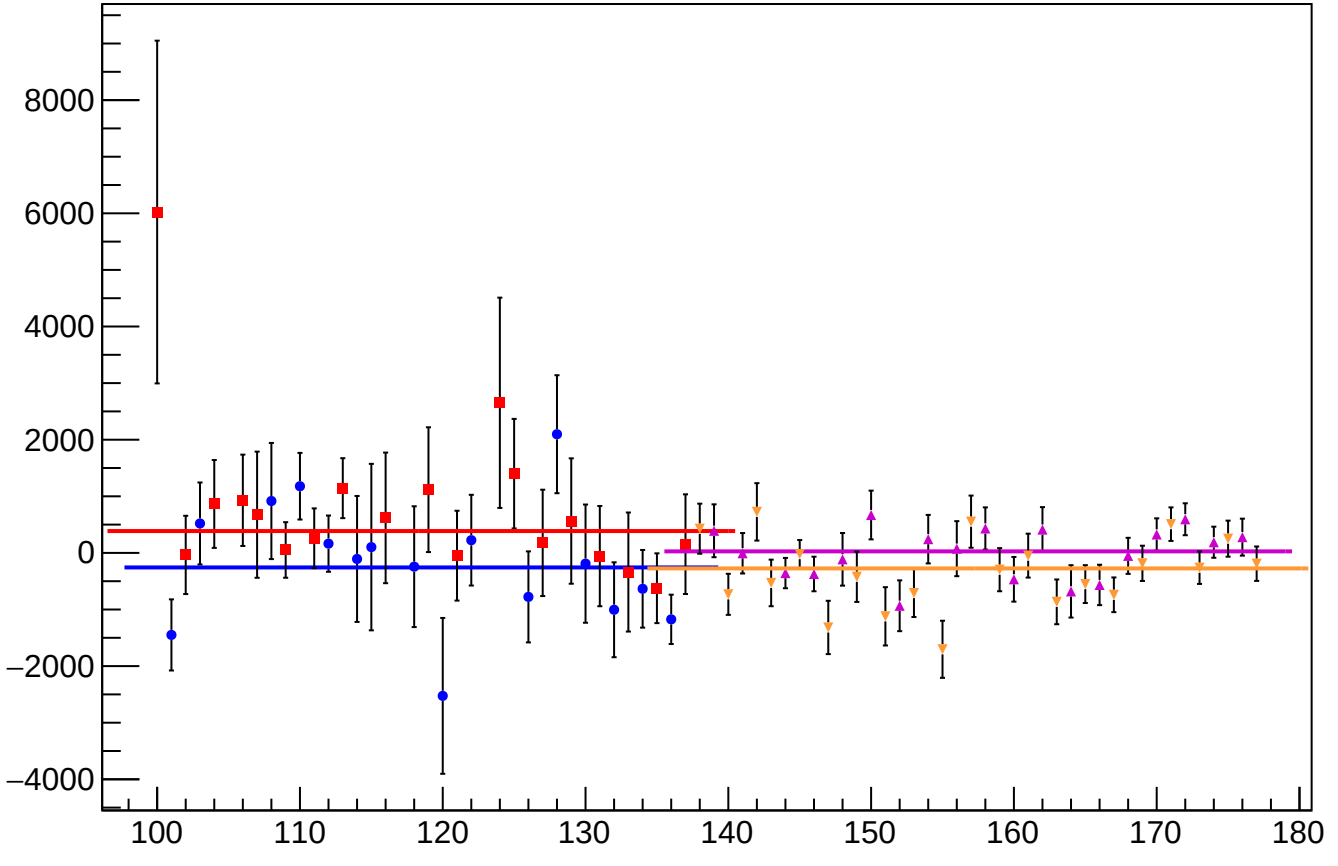
Right: 462.029+/-0.089 χ^2/NDF: 2069760.5/34

In: 333.844+/-0.052 χ^2/NDF:3422520.0/34

Out: 333.468+/-0.050 χ^2/NDF:3658583.1/39

All: 333.649+/-0.036 χ^2/NDF: 7081130.5/74

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -274.187+/-78.997 χ^2/NDF:44.8/20

Right Out: 386.449+/-182.363 χ^2/NDF: 14.2/18

Left In: 27.141+/-81.198 χ^2/NDF:26.5/18

Left: -127.662+/-56.621 χ^2/NDF: 78.4/39

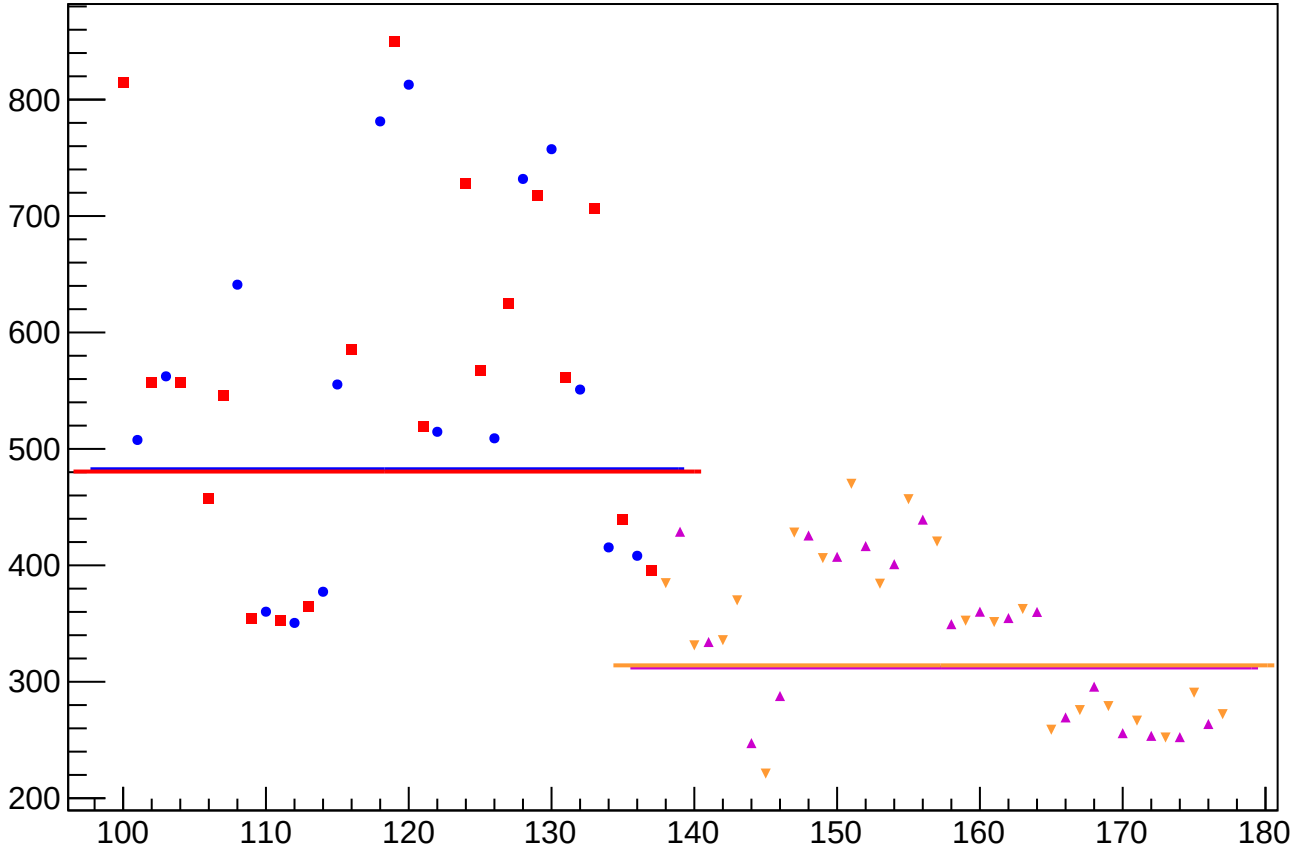
Right: 71.997+/-130.375 χ^2/NDF: 47.2/34

In: -18.112+/-74.445 χ^2/NDF:55.4/34

Out: -169.806+/-72.488 χ^2/NDF:70.1/39

All: -95.980+/-51.935 χ^2/NDF: 127.6/74

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 314.104+/-0.056 χ^2/NDF:1456221.0/20

Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 312.283+/-0.057 χ^2/NDF:1241186.4/18

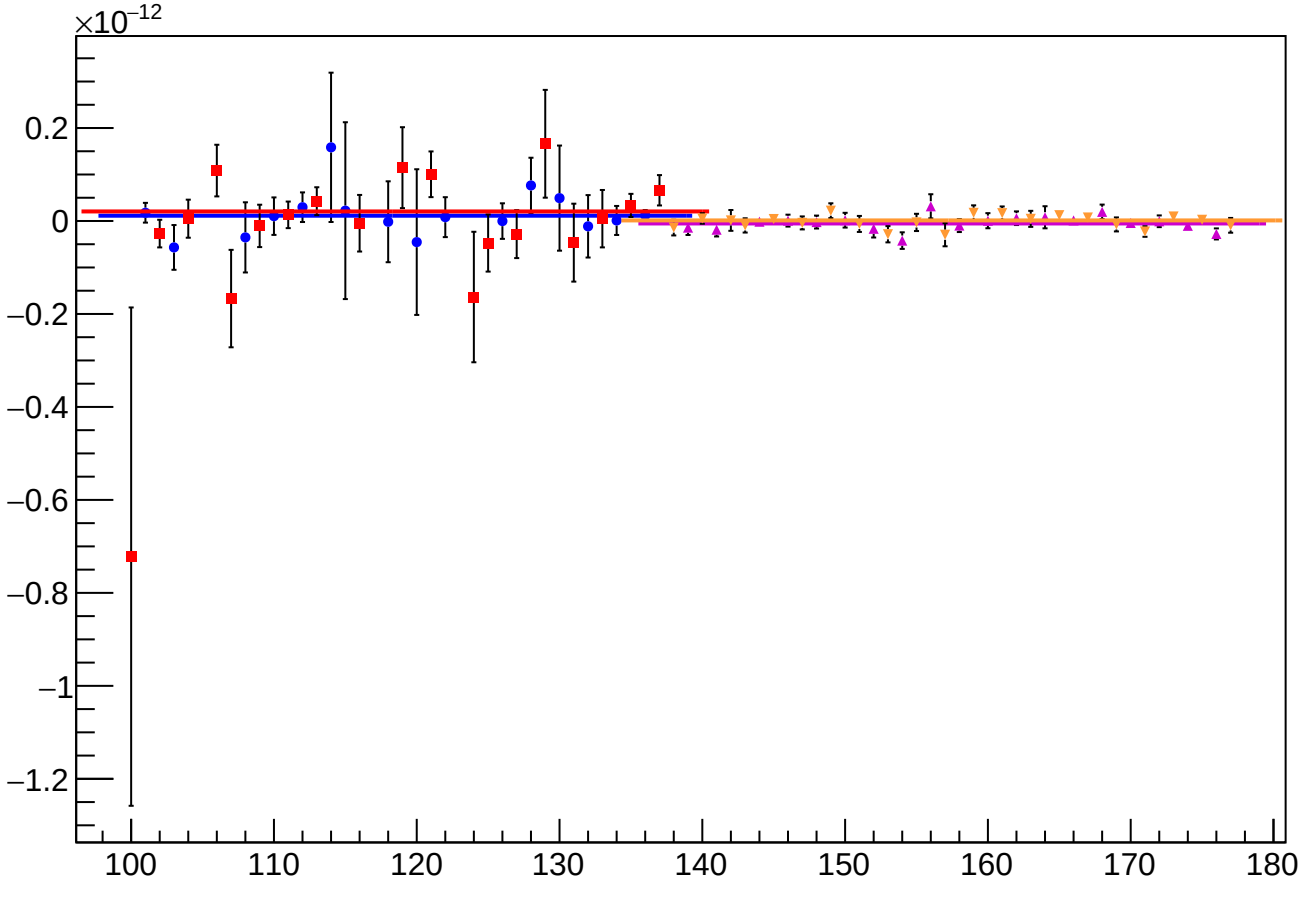
Left: 313.218+/-0.040 χ^2/NDF: 2697924.2/39

Right: 481.514+/-0.092 χ^2/NDF: 1940434.6/34

In: 339.418+/-0.053 χ^2/NDF:3588941.1/34

Out: 340.404+/-0.051 χ^2/NDF:3853043.7/39

All: 339.924+/-0.037 χ^2/NDF: 7442164.8/74



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: -0.000+/-0.000 χ^2/NDF:16.5/18

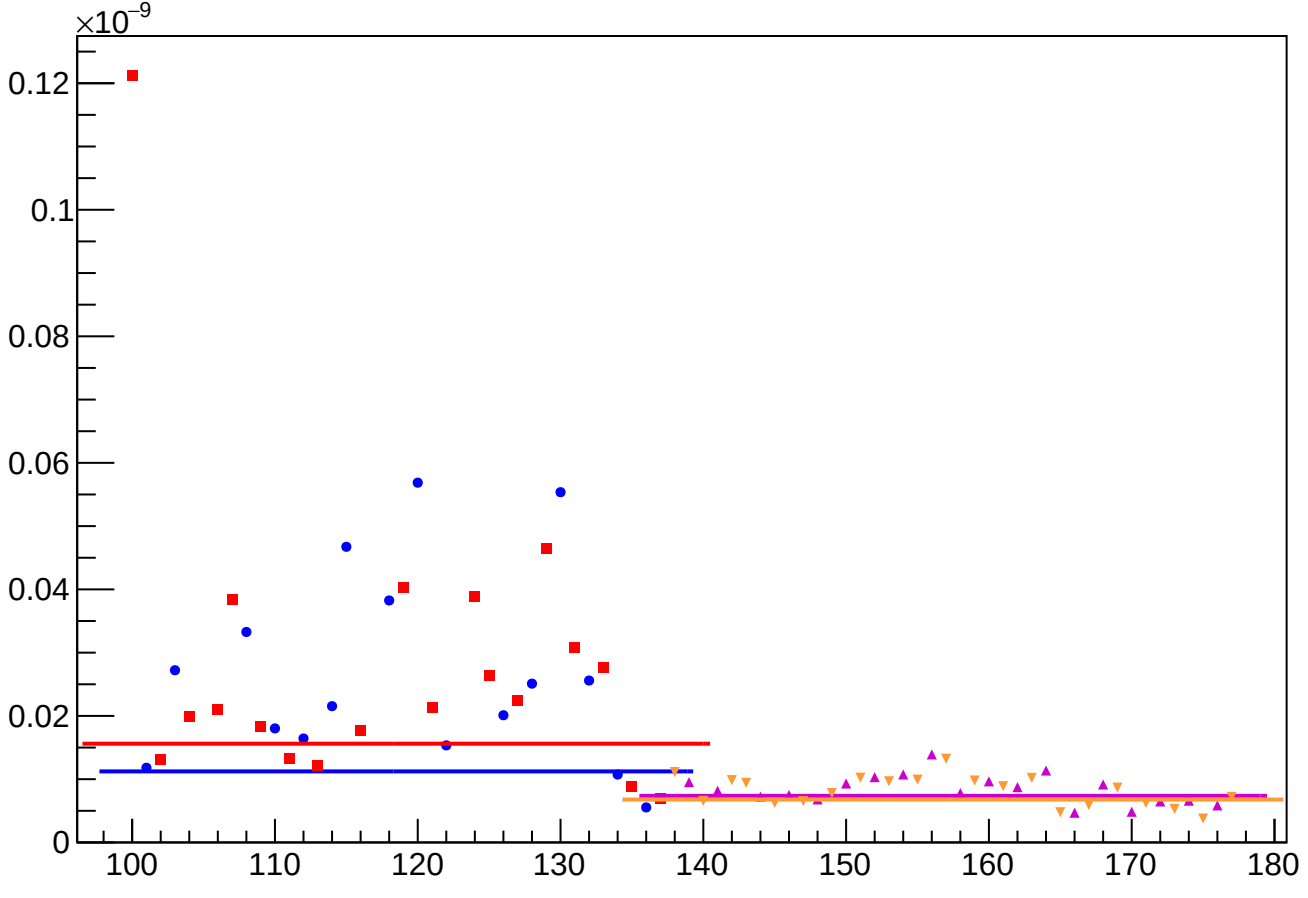
Left: -0.000+/-0.000 χ^2/NDF: 36.8/39

Right: 0.000+/-0.000 χ^2/NDF: 29.7/34

In: -0.000+/-0.000 χ^2/NDF:25.7/34

Out: 0.000+/-0.000 χ^2/NDF:44.8/39

All: -0.000+/-0.000 χ^2/NDF: 72.6/74



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1328497.0/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

Left In: 0.000+/-0.000 χ^2/NDF:803156.4/18

Left: 0.000+/-0.000 χ^2/NDF: 2170587.4/39

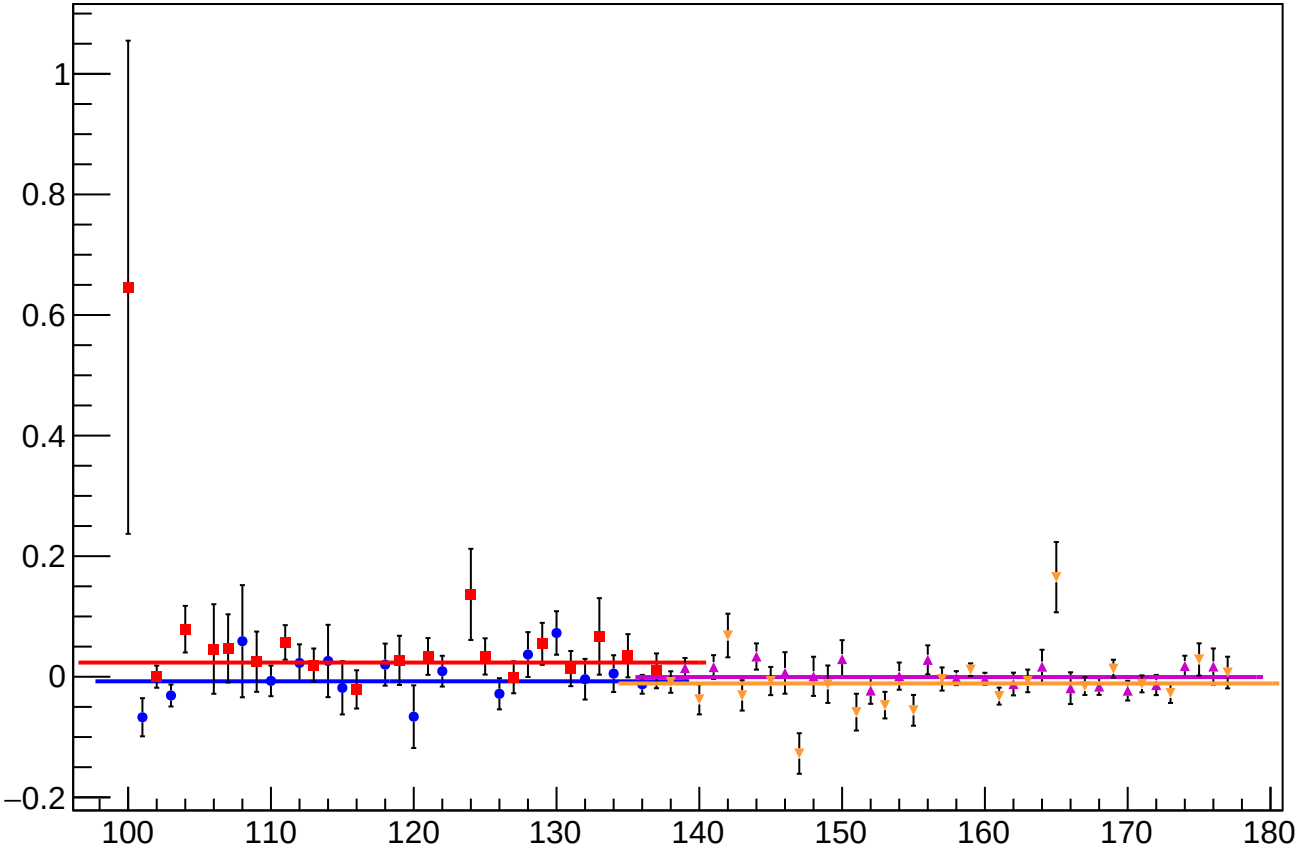
Right: 0.000+/-0.000 χ^2/NDF: 3514192.9/34

In: 0.000+/-0.000 χ^2/NDF:3312914.4/34

Out: 0.000+/-0.000 χ^2/NDF:3892568.1/39

All: 0.000+/-0.000 χ^2/NDF: 7235158.6/74

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: -0.011+/-0.004 χ^2/NDF:49.4/20

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.004 χ^2/NDF:14.0/18

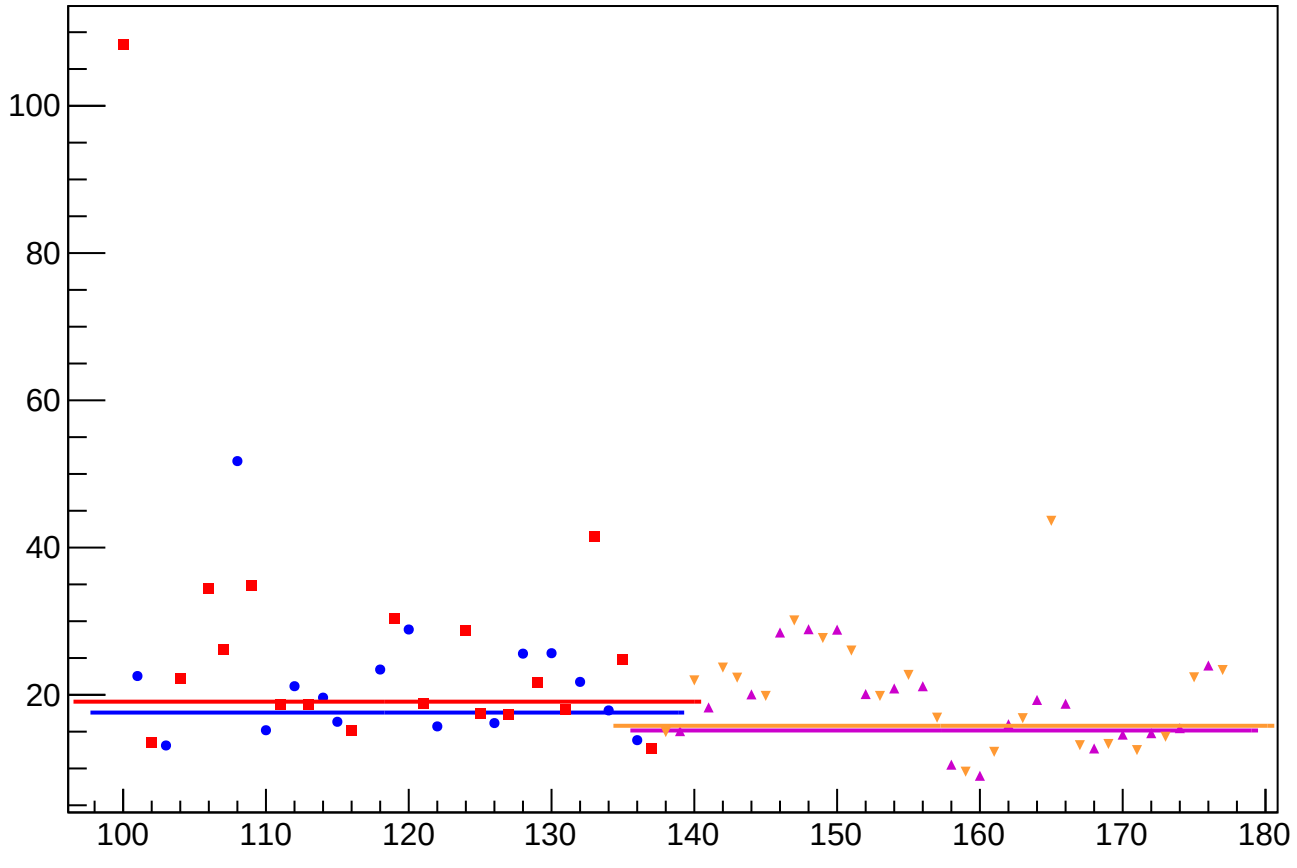
Left: -0.006+/-0.003 χ^2/NDF: 66.6/39

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.002+/-0.004 χ^2/NDF:31.4/34

Out: -0.003+/-0.004 χ^2/NDF:79.5/39

All: -0.003+/-0.003 χ^2/NDF: 110.9/74



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 15.797+/-0.003 χ^2/NDF:3348164.4/20

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 15.159+/-0.003 χ^2/NDF:2945211.4/18

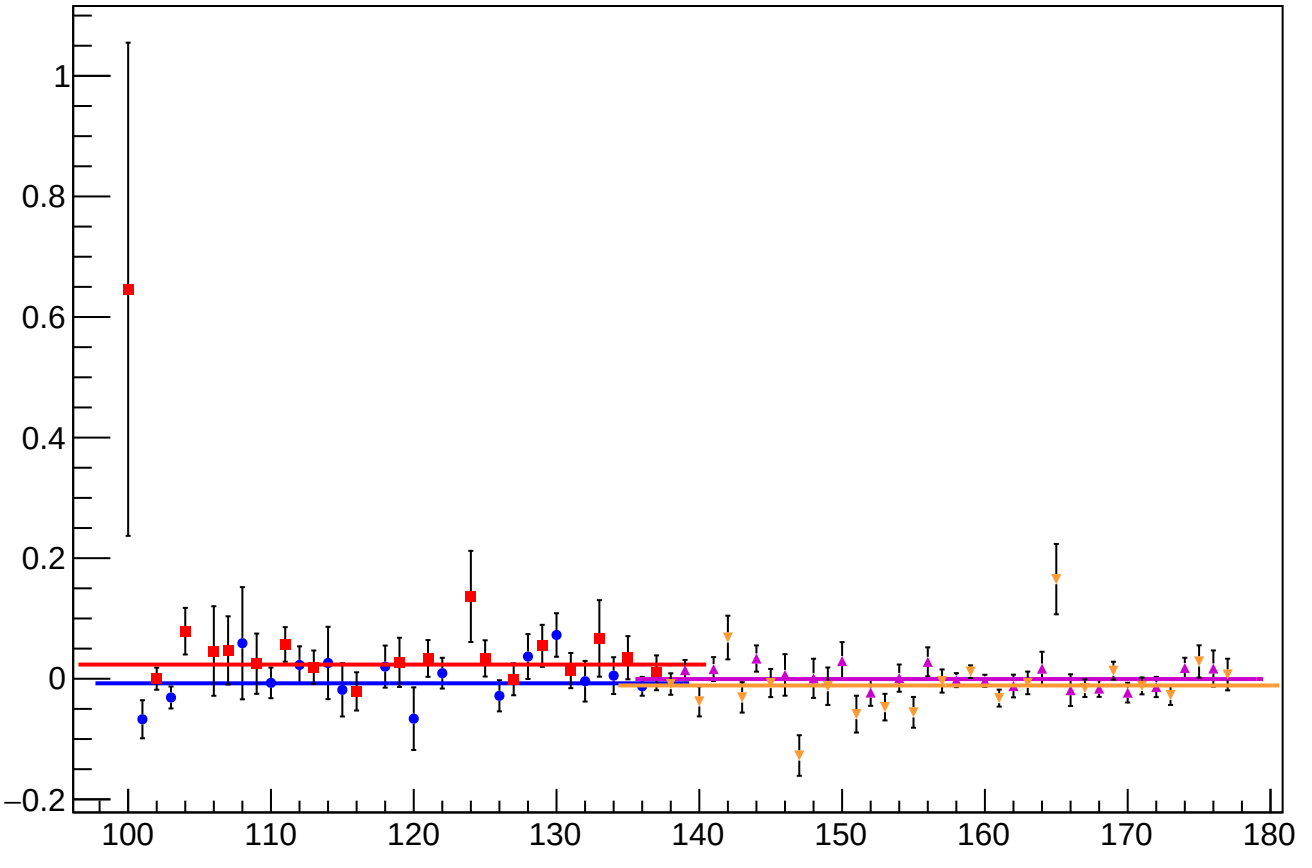
Left: 15.476+/-0.002 χ^2/NDF: 6316367.7/39

Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 15.775+/-0.003 χ^2/NDF:4108878.0/34

Out: 16.546+/-0.003 χ^2/NDF:4872082.4/39

All: 16.152+/-0.002 χ^2/NDF: 9025219.7/74



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.011+/-0.004 χ^2/NDF:49.4/20

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.004 χ^2/NDF:14.0/18

Left: -0.006+/-0.003 χ^2/NDF: 66.6/39

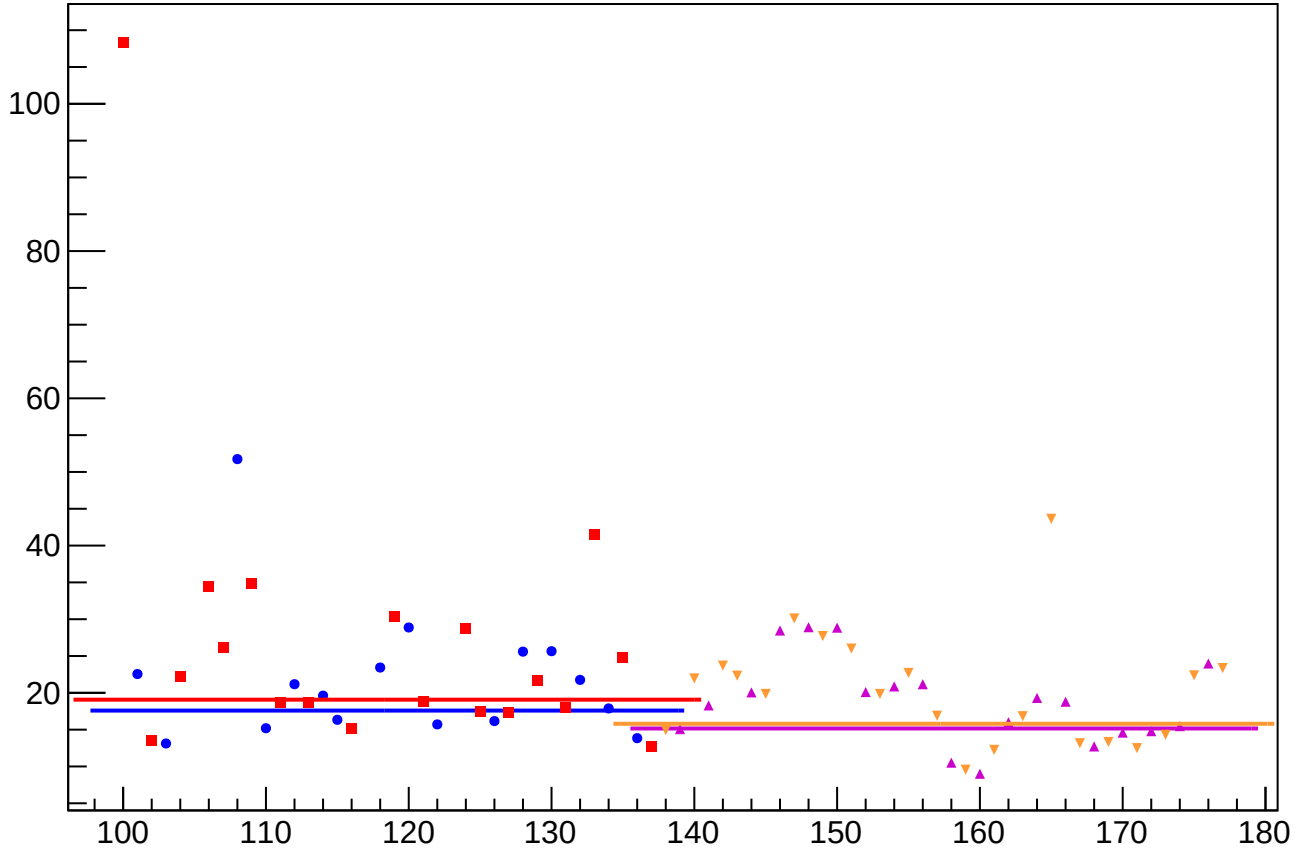
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.002+/-0.004 χ^2/NDF:31.4/34

Out: -0.003+/-0.004 χ^2/NDF:79.5/39

All: -0.003+/-0.003 χ^2/NDF: 110.9/74

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: 15.797+/-0.003 χ^2/NDF:3348164.4/20

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 15.159+/-0.003 χ^2/NDF:2945211.4/18

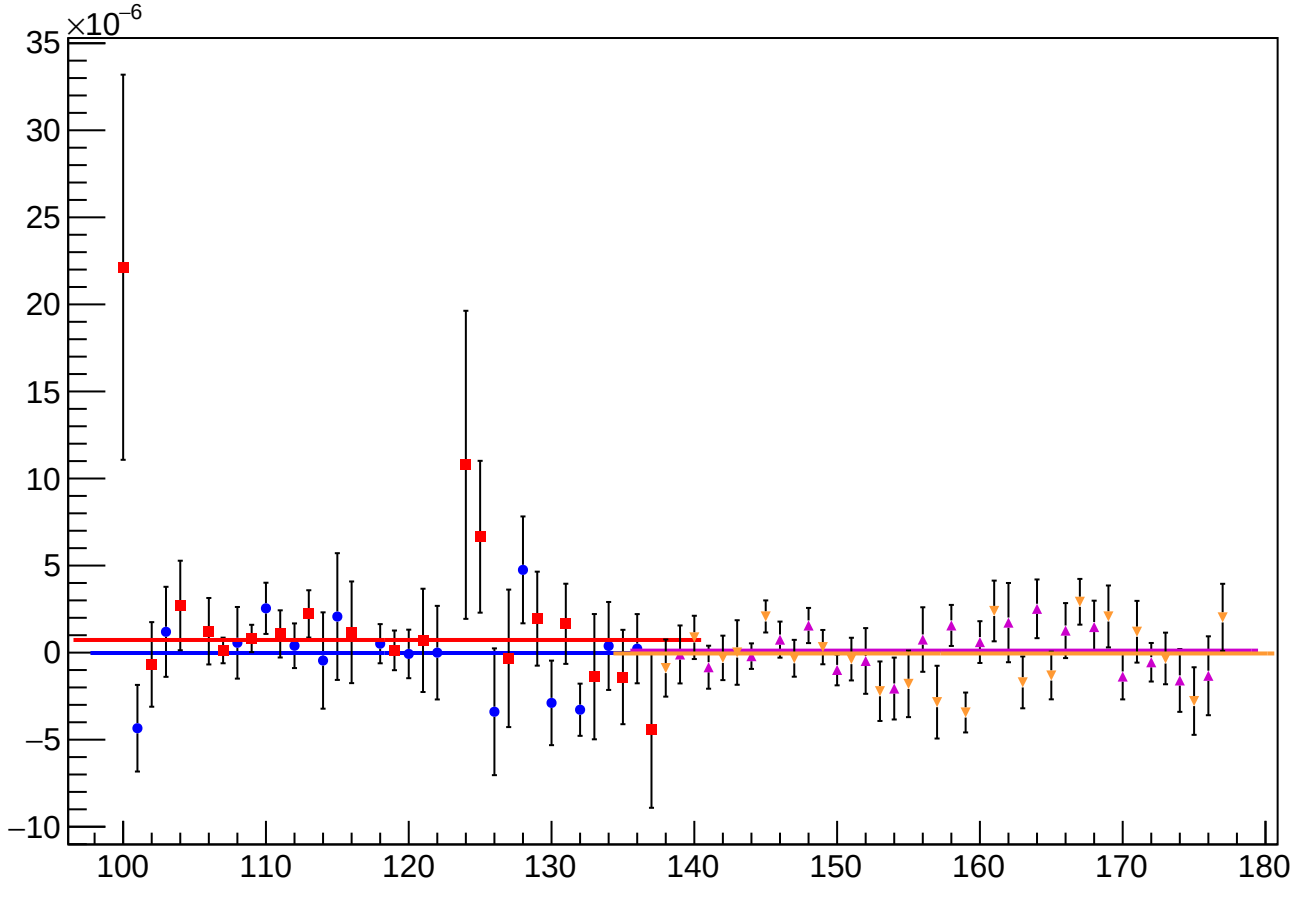
Left: 15.476+/-0.002 χ^2/NDF: 6316367.7/39

Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 15.775+/-0.003 χ^2/NDF:4108878.0/34

Out: 16.546+/-0.003 χ^2/NDF:4872082.4/39

All: 16.152+/-0.002 χ^2/NDF: 9025219.7/74



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.7/20

Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:15.0/18

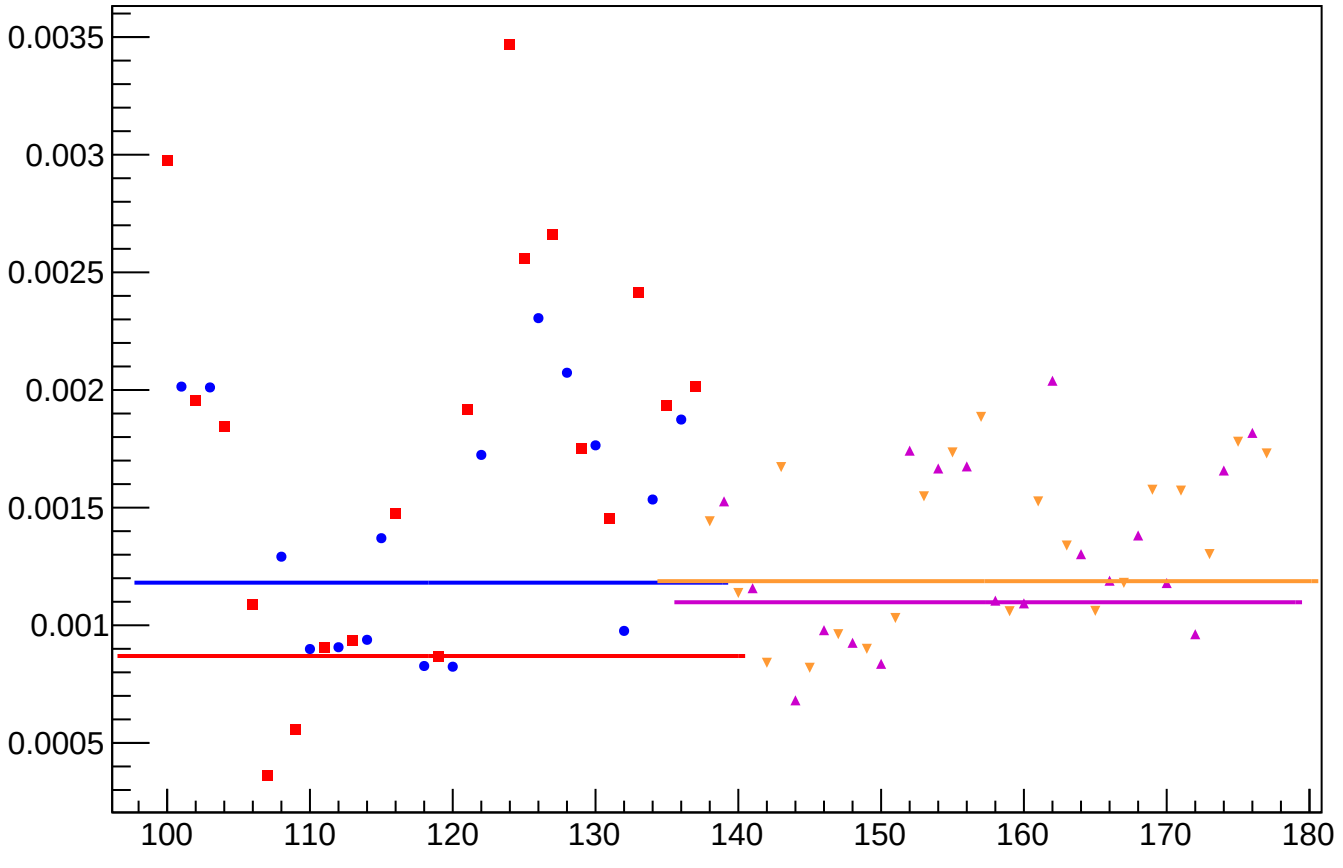
Left: 0.000+/-0.000 χ^2/NDF: 48.9/39

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: 0.000+/-0.000 χ^2/NDF:31.5/34

Out: 0.000+/-0.000 χ^2/NDF:49.1/39

All: 0.000+/-0.000 χ^2/NDF: 80.9/74



Right In: 0.001+/-0.000 χ^2/NDF: 1828304.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:2109803.5/20

Right Out: 0.001+/-0.000 χ^2/NDF: 4435351.6/18

Left In: 0.001+/-0.000 χ^2/NDF:2555112.8/18

Left: 0.001+/-0.000 χ^2/NDF: 4754964.7/39

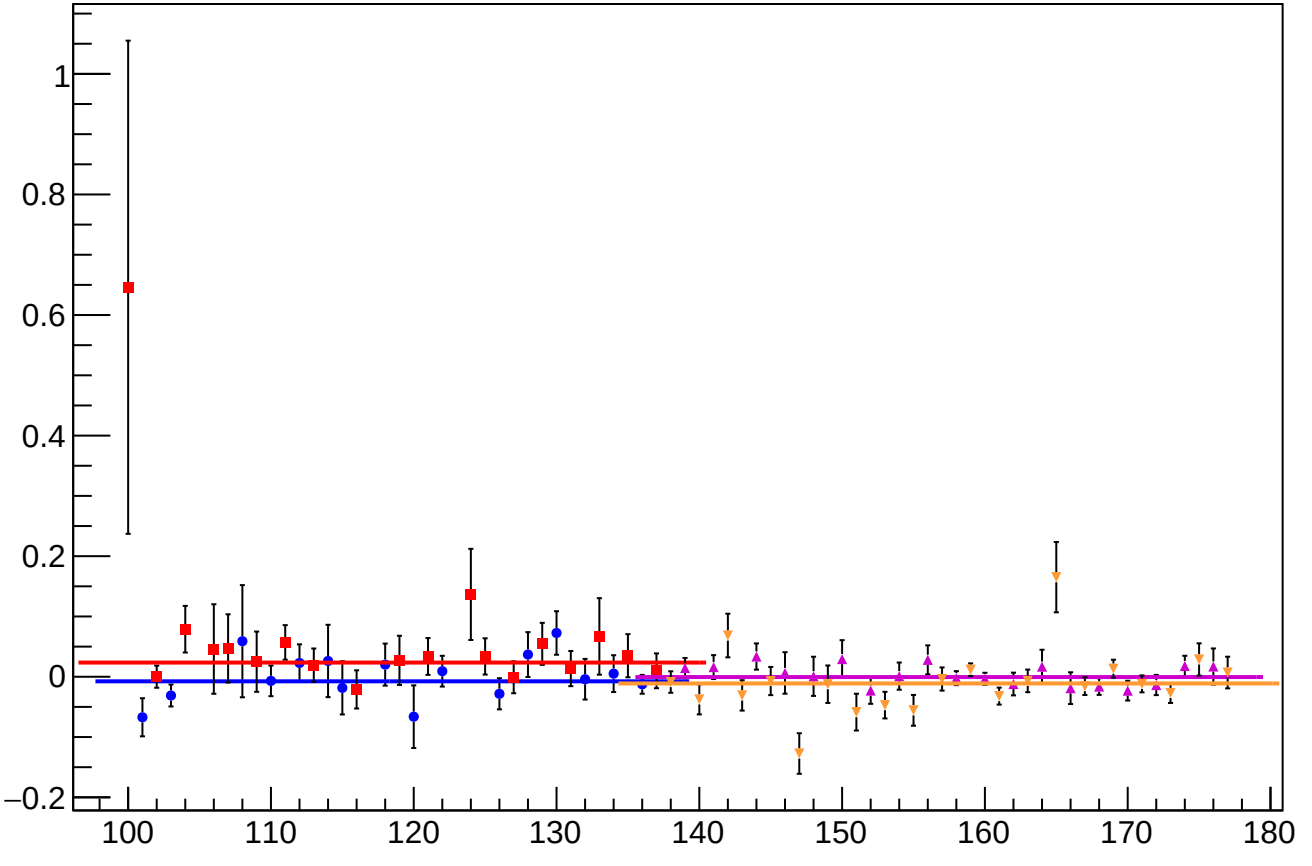
Right: 0.001+/-0.000 χ^2/NDF: 6790405.1/34

In: 0.001+/-0.000 χ^2/NDF:4428181.0/34

Out: 0.001+/-0.000 χ^2/NDF:7396127.0/39

All: 0.001+/-0.000 χ^2/NDF: 11879482.3/74

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: -0.011+/-0.004 χ^2/NDF:49.4/20

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.004 χ^2/NDF:14.0/18

Left: -0.006+/-0.003 χ^2/NDF: 66.6/39

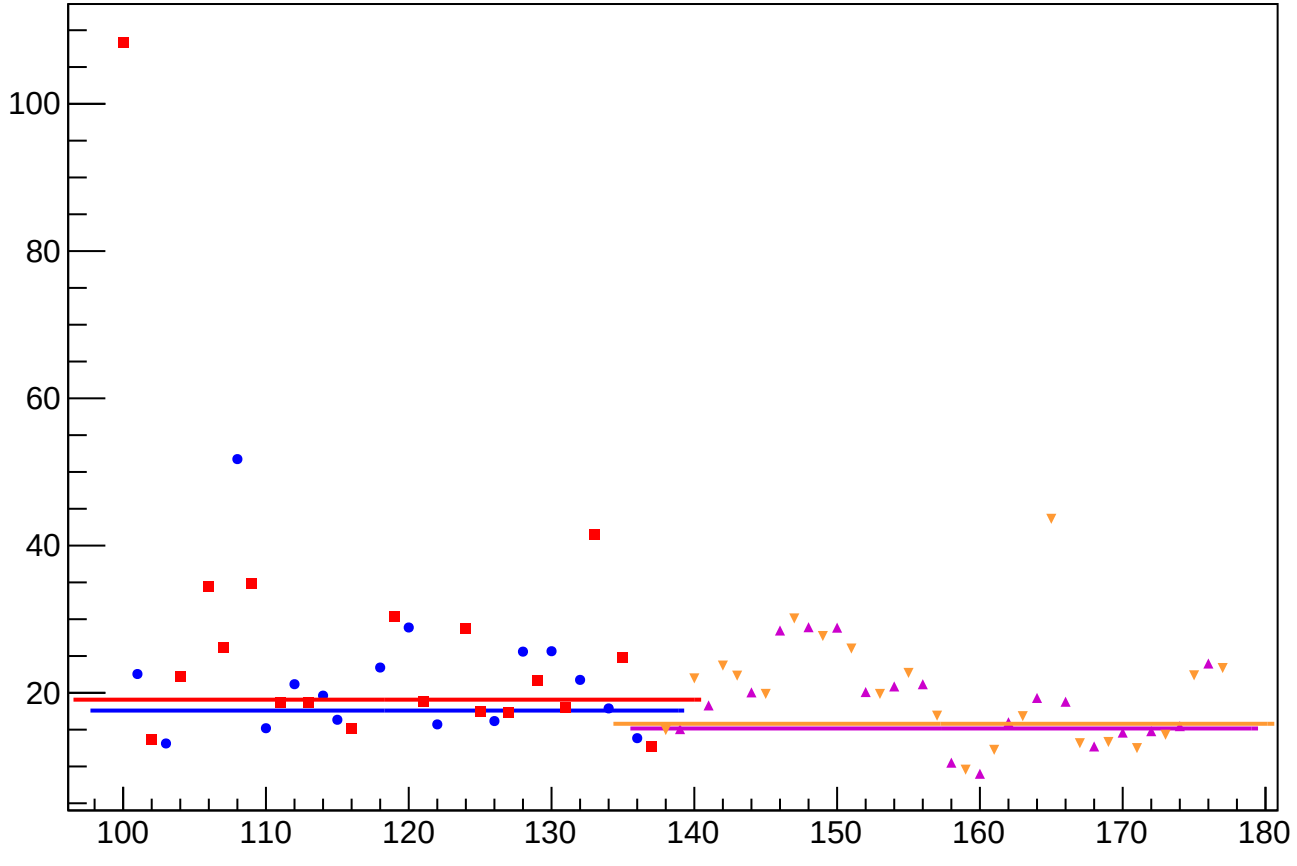
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.002+/-0.004 χ^2/NDF:31.4/34

Out: -0.003+/-0.004 χ^2/NDF:79.5/39

All: -0.003+/-0.003 χ^2/NDF: 110.9/74

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: 15.796+/-0.003 χ^2/NDF:3348415.3/20

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 15.158+/-0.003 χ^2/NDF:2945525.3/18

Left: 15.476+/-0.002 χ^2/NDF: 6316937.8/39

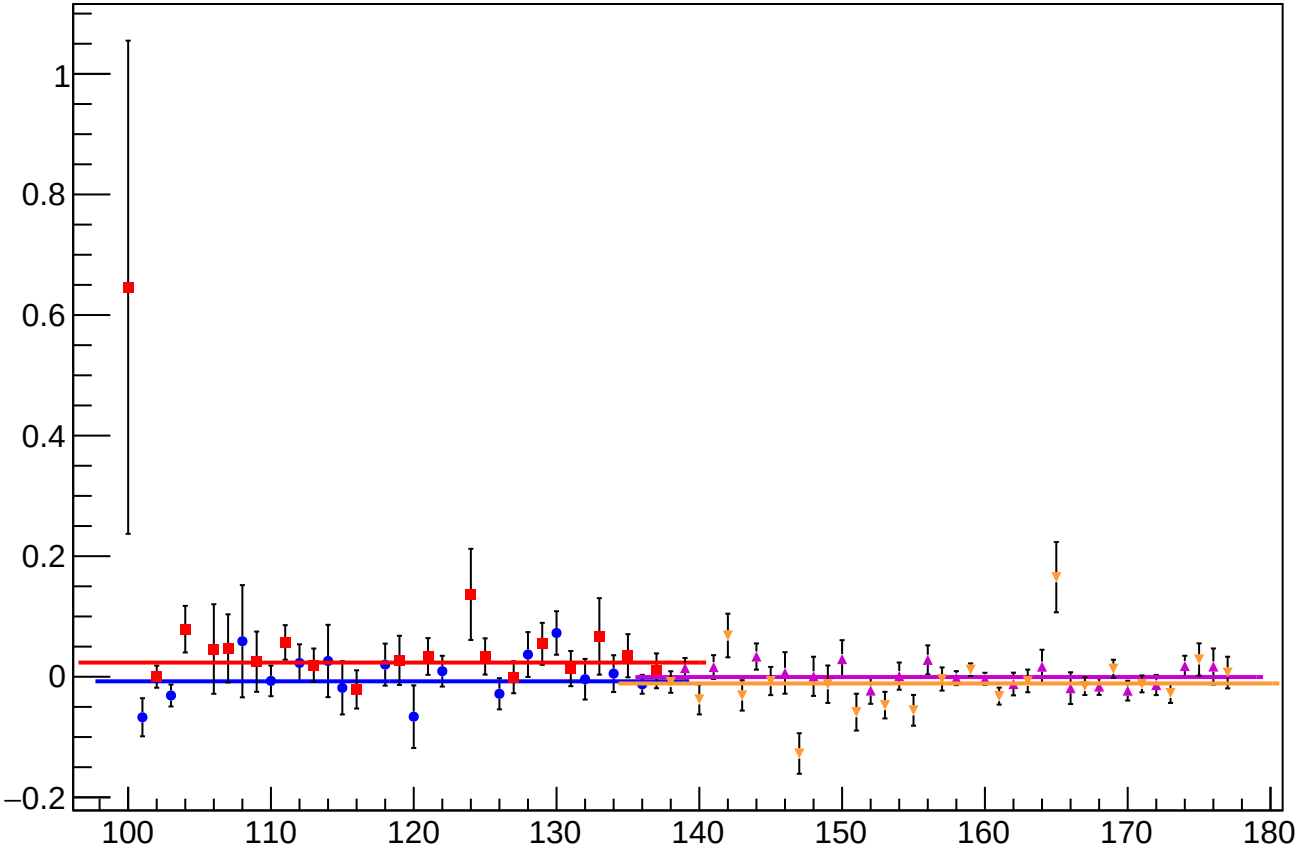
Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 15.775+/-0.003 χ^2/NDF:4109276.3/34

Out: 16.546+/-0.003 χ^2/NDF:4872343.2/39

All: 16.152+/-0.002 χ^2/NDF: 9025890.5/74

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: -0.011+/-0.004 χ^2/NDF:49.4/20

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.004 χ^2/NDF:14.0/18

Left: -0.006+/-0.003 χ^2/NDF: 66.6/39

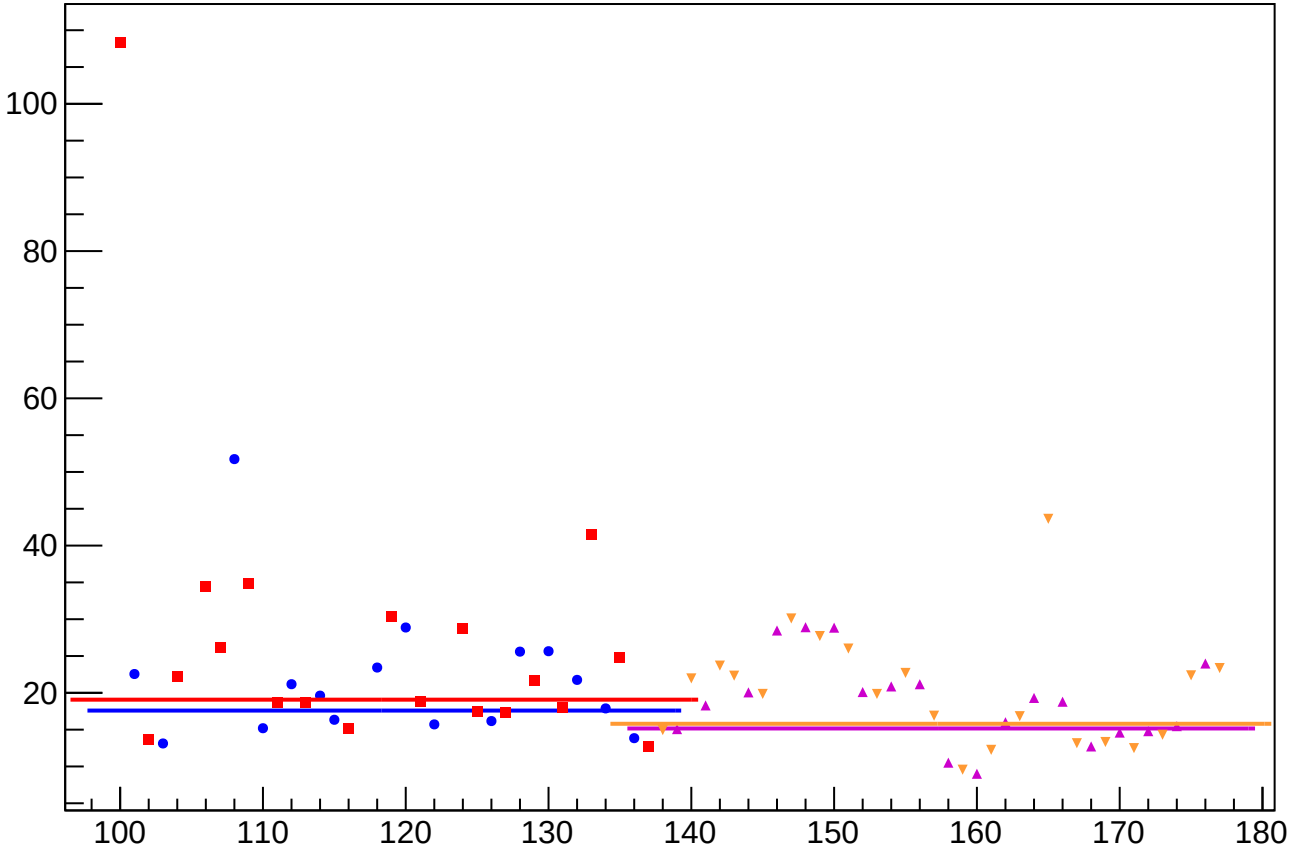
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.002+/-0.004 χ^2/NDF:31.4/34

Out: -0.003+/-0.004 χ^2/NDF:79.5/39

All: -0.003+/-0.003 χ^2/NDF: 110.9/74

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: 15.796+/-0.003 χ^2/NDF:3348415.3/20

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 15.158+/-0.003 χ^2/NDF:2945525.3/18

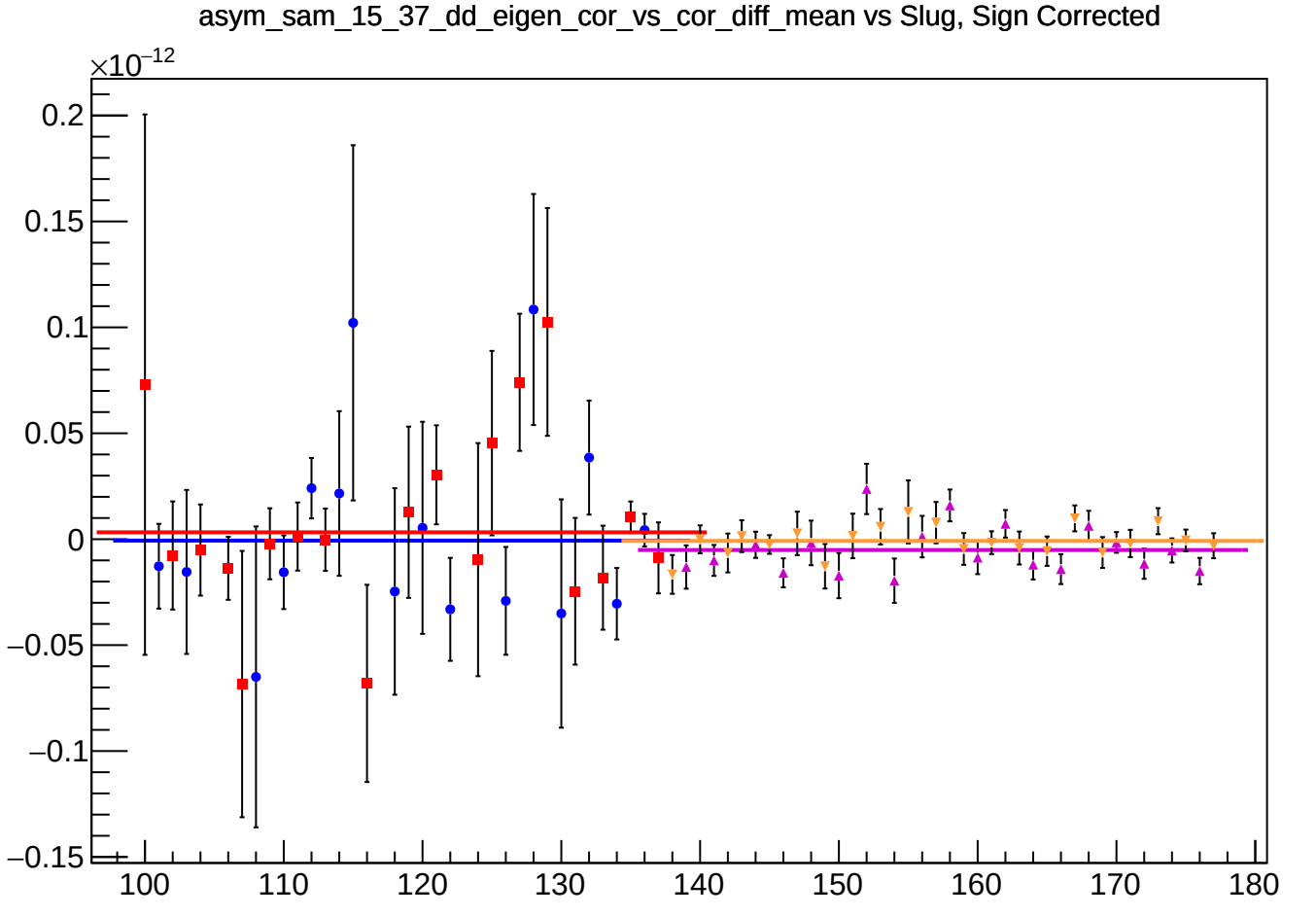
Left: 15.476+/-0.002 χ^2/NDF: 6316937.8/39

Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 15.775+/-0.003 χ^2/NDF:4109276.3/34

Out: 16.546+/-0.003 χ^2/NDF:4872343.2/39

All: 16.152+/-0.002 χ^2/NDF: 9025890.5/74



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: -0.000+/-0.000 χ^2/NDF:34.1/18

Left: -0.000+/-0.000 χ^2/NDF: 52.1/39

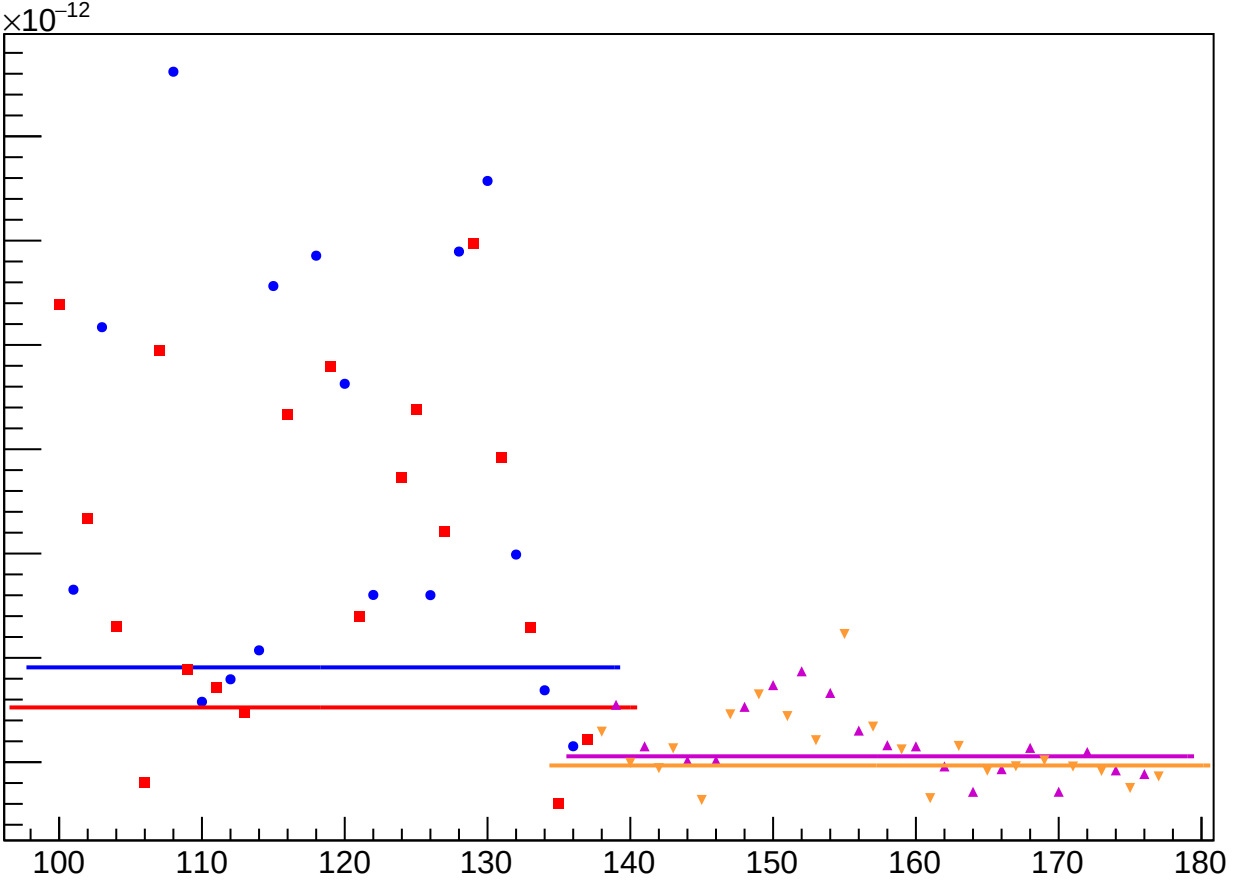
Right: 0.000+/-0.000 χ^2/NDF: 39.8/34

In: -0.000+/-0.000 χ^2/NDF:55.1/34

Out: -0.000+/-0.000 χ^2/NDF:34.3/39

All: -0.000+/-0.000 χ^2/NDF: 93.3/74

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2632531.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1599773.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 3086000.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1349995.8/18

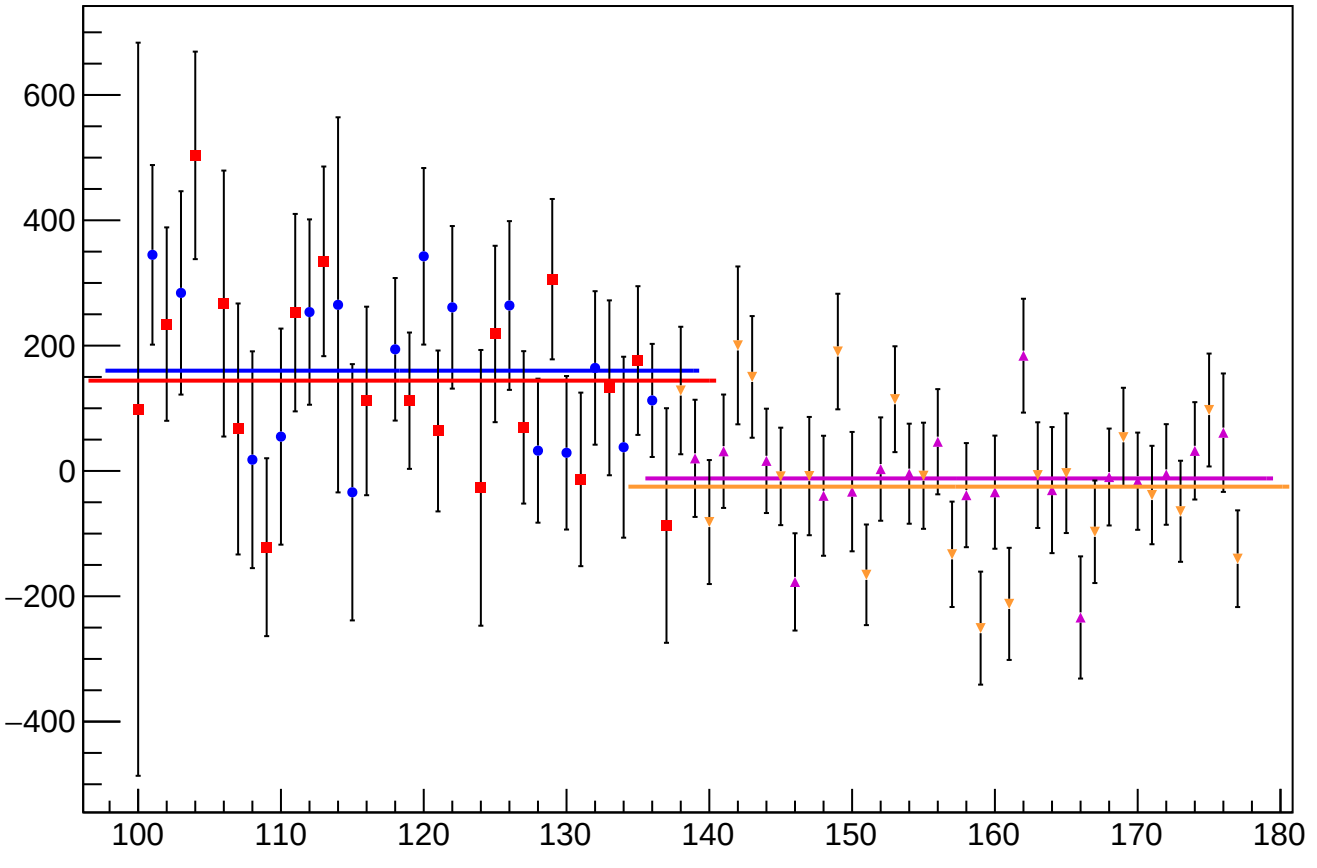
Left: 0.000+/-0.000 χ^2/NDF: 3024539.4/39

Right: 0.000+/-0.000 χ^2/NDF: 5879584.6/34

In: 0.000+/-0.000 χ^2/NDF:5259179.4/34

Out: 0.000+/-0.000 χ^2/NDF:5374571.0/39

All: 0.000+/-0.000 χ^2/NDF: 10772623.6/74



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: -25.086+/-19.055 χ^2/NDF:38.9/20

Right Out: 144.117+/-34.213 χ^2/NDF: 17.4/18

Left In: -11.929+/-19.723 χ^2/NDF:16.6/18

Left: -18.734+/-13.704 χ^2/NDF: 55.8/39

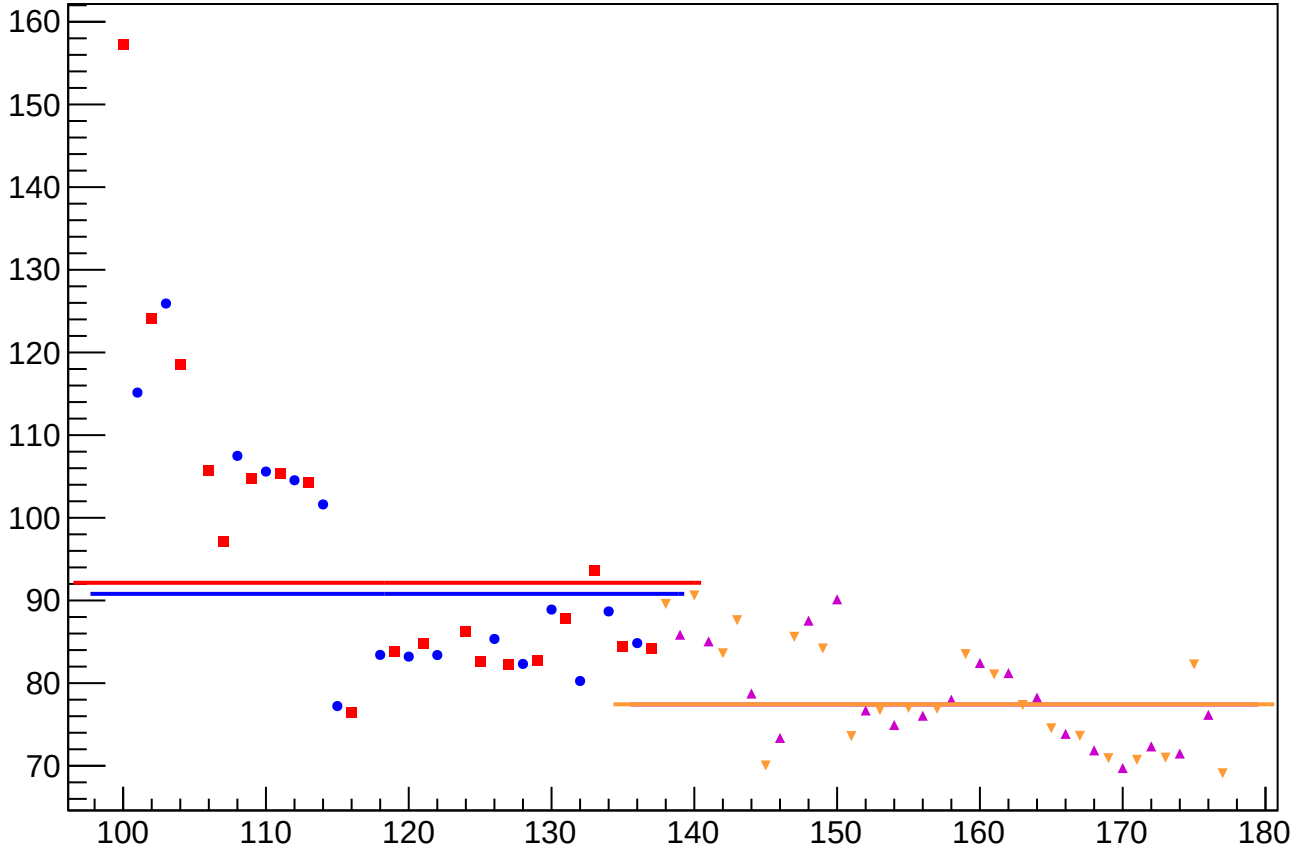
Right: 152.081+/-24.177 χ^2/NDF: 28.6/34

In: 31.043+/-17.082 χ^2/NDF:46.7/34

Out: 14.973+/-16.647 χ^2/NDF:75.0/39

All: 22.801+/-11.922 χ^2/NDF: 122.1/74

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: 77.439+/-0.013 χ^2/NDF:228039.4/20

Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 77.417+/-0.014 χ^2/NDF:159669.3/18

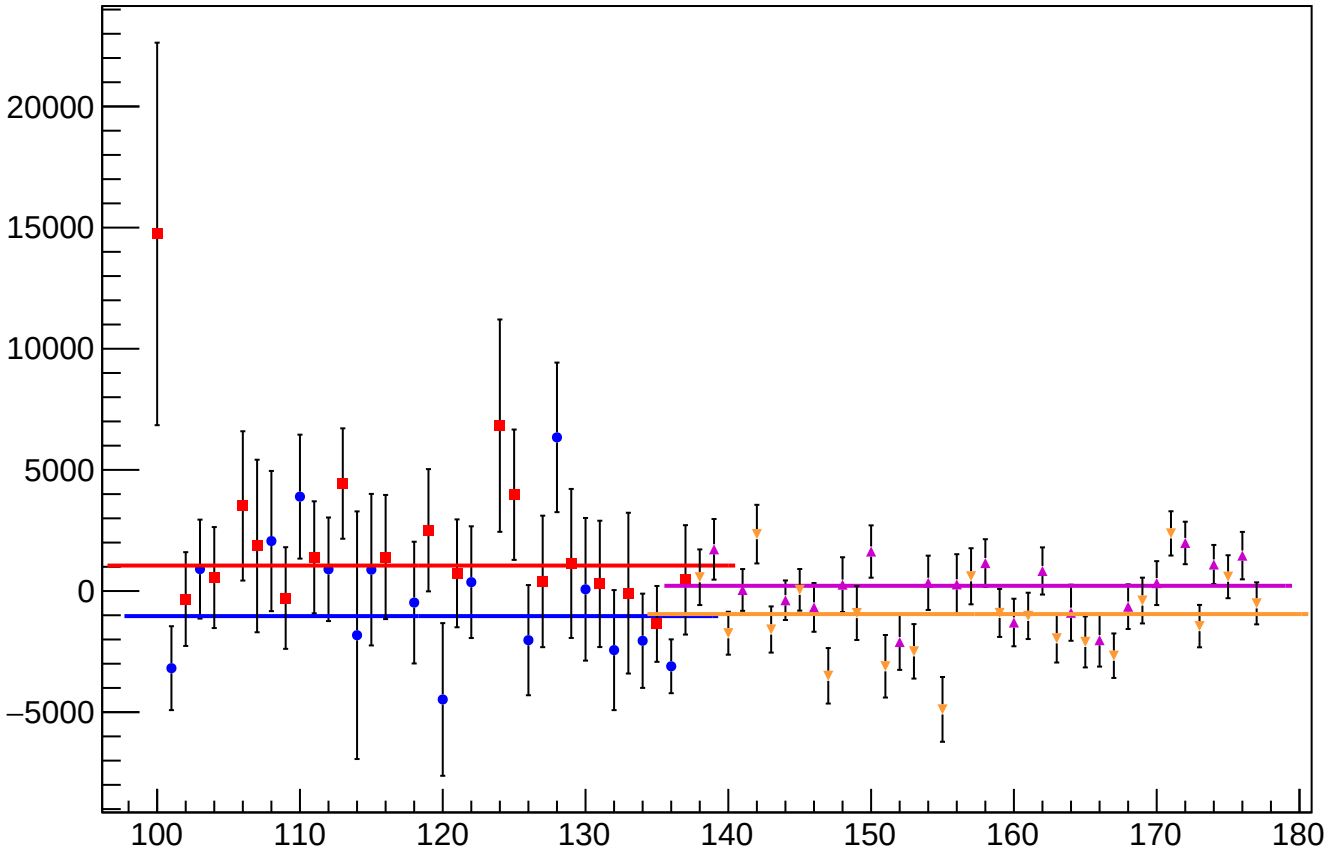
Left: 77.429+/-0.010 χ^2/NDF: 387710.0/39

Right: 91.471+/-0.017 χ^2/NDF: 576322.1/34

In: 80.762+/-0.012 χ^2/NDF:662613.4/34

Out: 80.920+/-0.012 χ^2/NDF:811948.3/39

All: 80.843+/-0.008 χ^2/NDF: 1474649.3/74



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -950.906+/-218.916 χ^2/NDF:54.8/20

Right Out: 1051.517+/-568.935 χ^2/NDF: 12.9/18

Left In: 215.394+/-227.654 χ^2/NDF:25.2/18

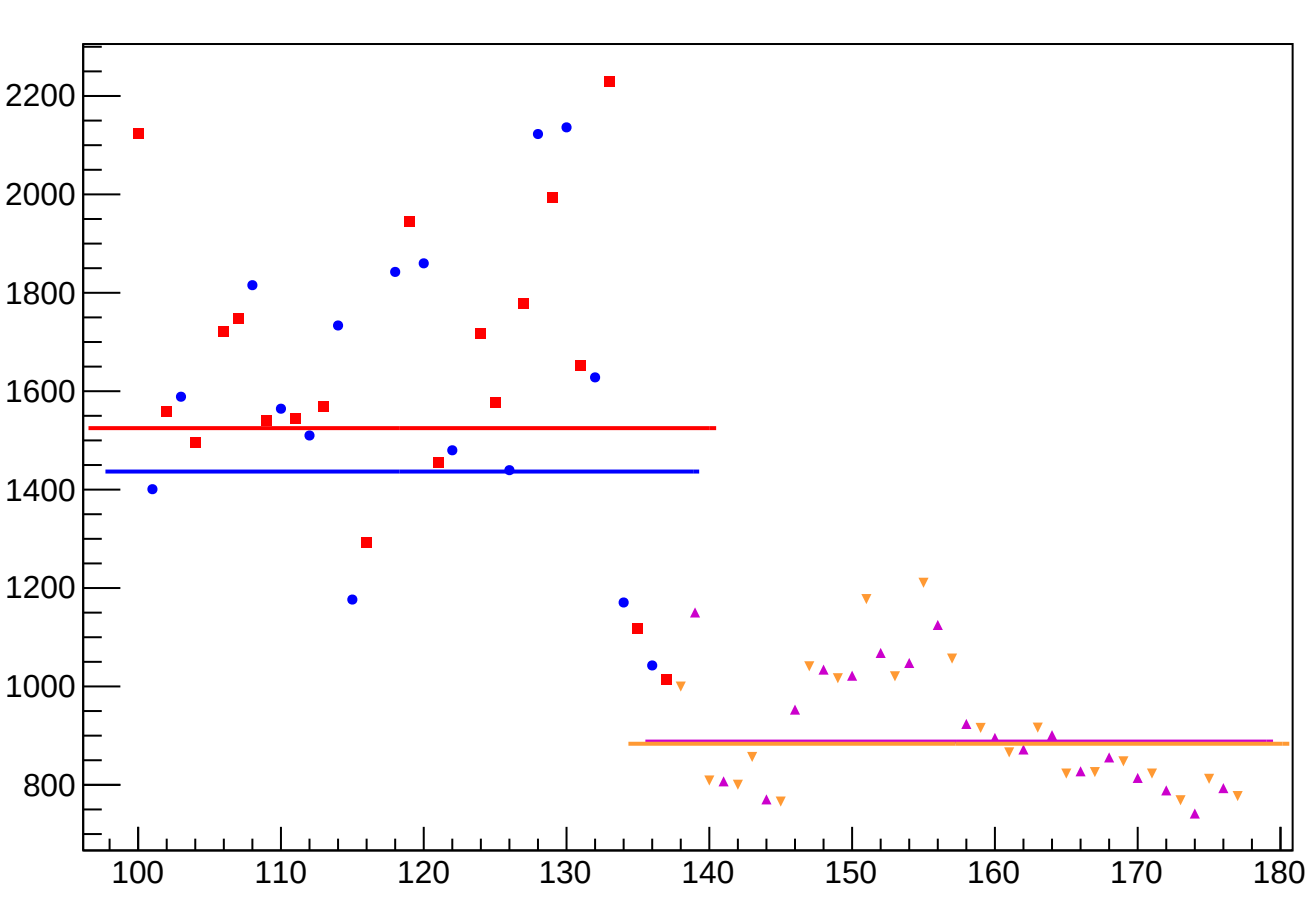
Left: -390.569+/-157.796 χ^2/NDF: 93.6/39

Right: -26.665+/-395.510 χ^2/NDF: 40.1/34

In: 32.615+/-210.358 χ^2/NDF:49.9/34

Out: -692.667+/-204.313 χ^2/NDF:78.5/39

All: -340.598+/-146.562 χ^2/NDF: 134.5/74



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 883.537+/-0.155 χ^2/NDF:555974.7/20

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

Left In: 887.926+/-0.161 χ^2/NDF:517120.3/18

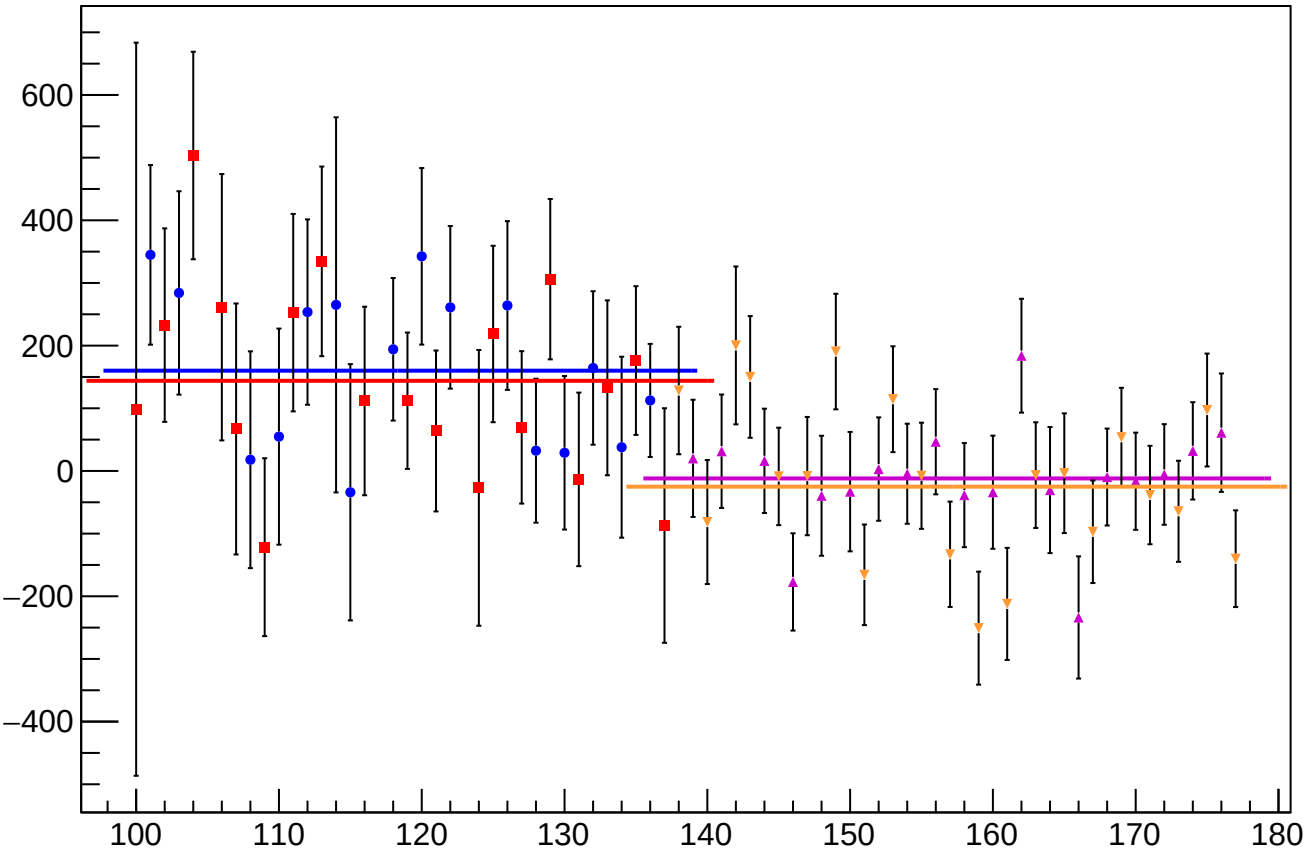
Left: 885.646+/-0.112 χ^2/NDF: 1073481.4/39

Right: 1479.369+/-0.280 χ^2/NDF: 1205085.6/34

In: 968.147+/-0.149 χ^2/NDF:2891774.1/34

Out: 966.256+/-0.144 χ^2/NDF:3274779.4/39

All: 967.174+/-0.104 χ^2/NDF: 6166636.7/74



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -25.084+/-19.055 χ^2/NDF:38.9/20

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: -11.931+/-19.723 χ^2/NDF:16.6/18

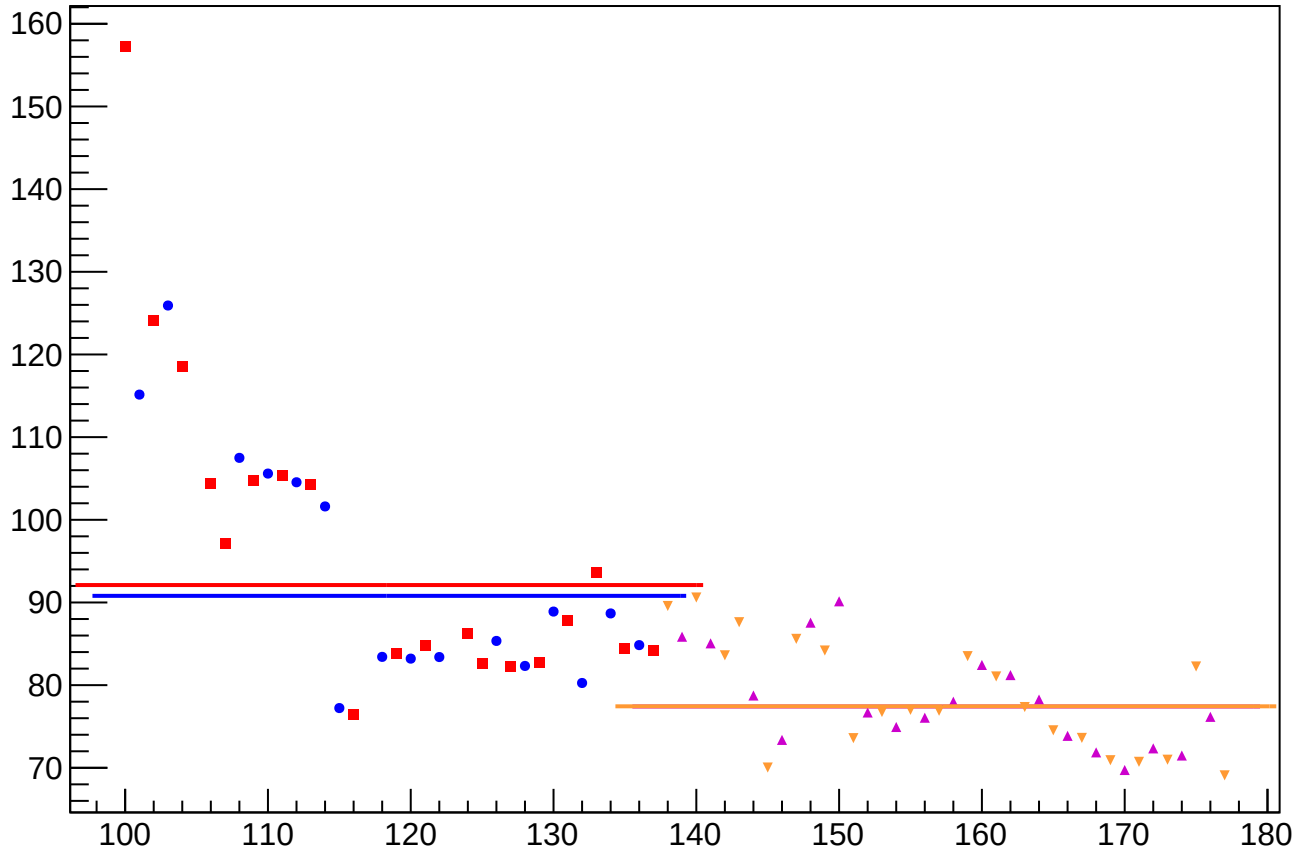
Left: -18.734+/-13.704 χ^2/NDF: 55.8/39

Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 31.040+/-17.082 χ^2/NDF:46.7/34

Out: 14.910+/-16.647 χ^2/NDF:74.9/39

All: 22.768+/-11.922 χ^2/NDF: 122.0/74



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 77.439+/-0.013 χ^2/NDF:228039.4/20

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 77.417+/-0.014 χ^2/NDF:159669.3/18

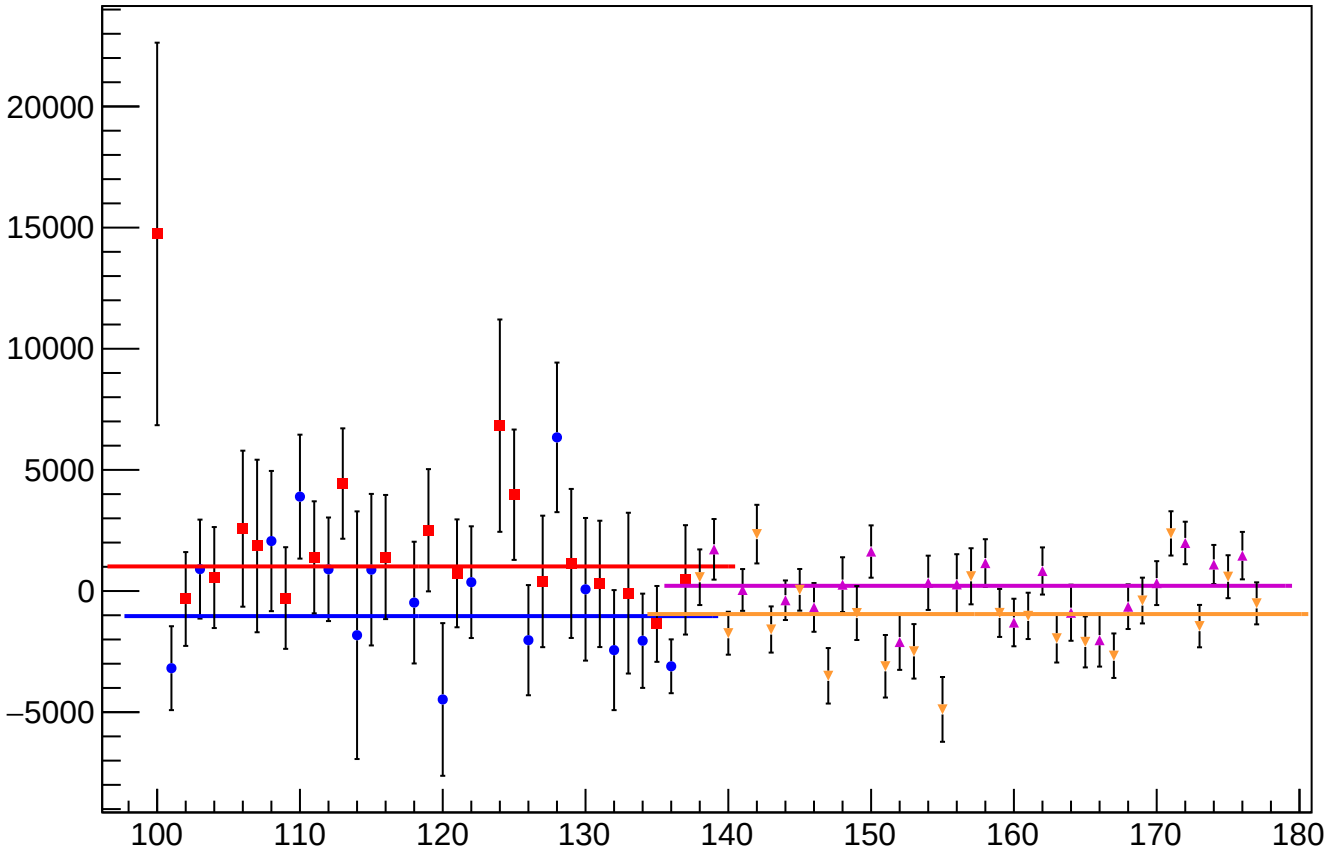
Left: 77.429+/-0.010 χ^2/NDF: 387710.0/39

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 80.762+/-0.012 χ^2/NDF:662615.4/34

Out: 80.912+/-0.012 χ^2/NDF:809389.9/39

All: 80.839+/-0.008 χ^2/NDF: 1472084.1/74



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -950.903+/-218.916 χ^2/NDF:54.8/20

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 215.395+/-227.654 χ^2/NDF:25.2/18

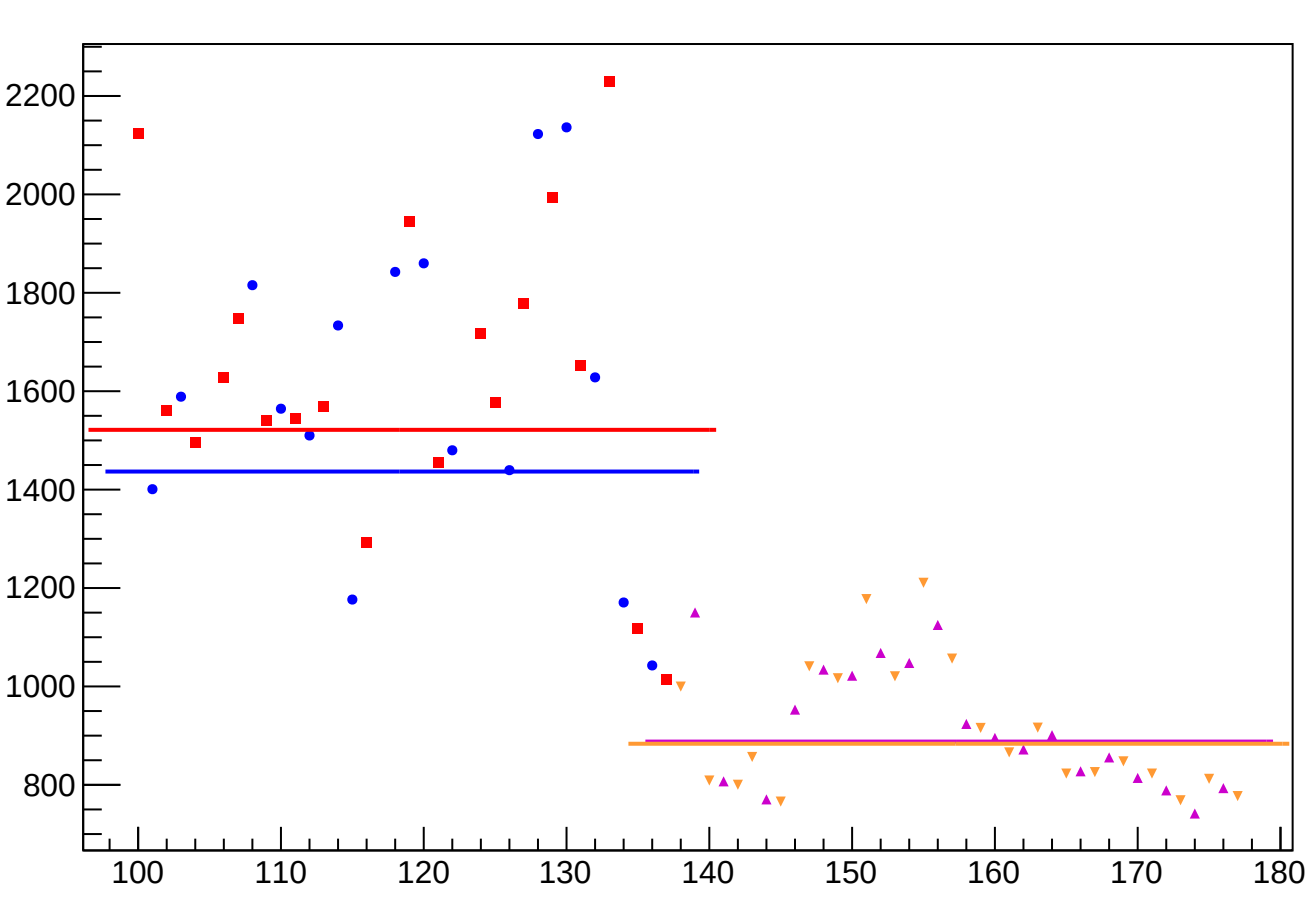
Left: -390.567+/-157.796 χ^2/NDF: 93.6/39

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: 32.620+/-210.359 χ^2/NDF:49.9/34

Out: -697.973+/-204.351 χ^2/NDF:77.6/39

All: -343.257+/-146.576 χ^2/NDF: 133.7/74



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 883.536+/-0.155 χ^2/NDF:555976.1/20

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 887.926+/-0.161 χ^2/NDF:517120.1/18

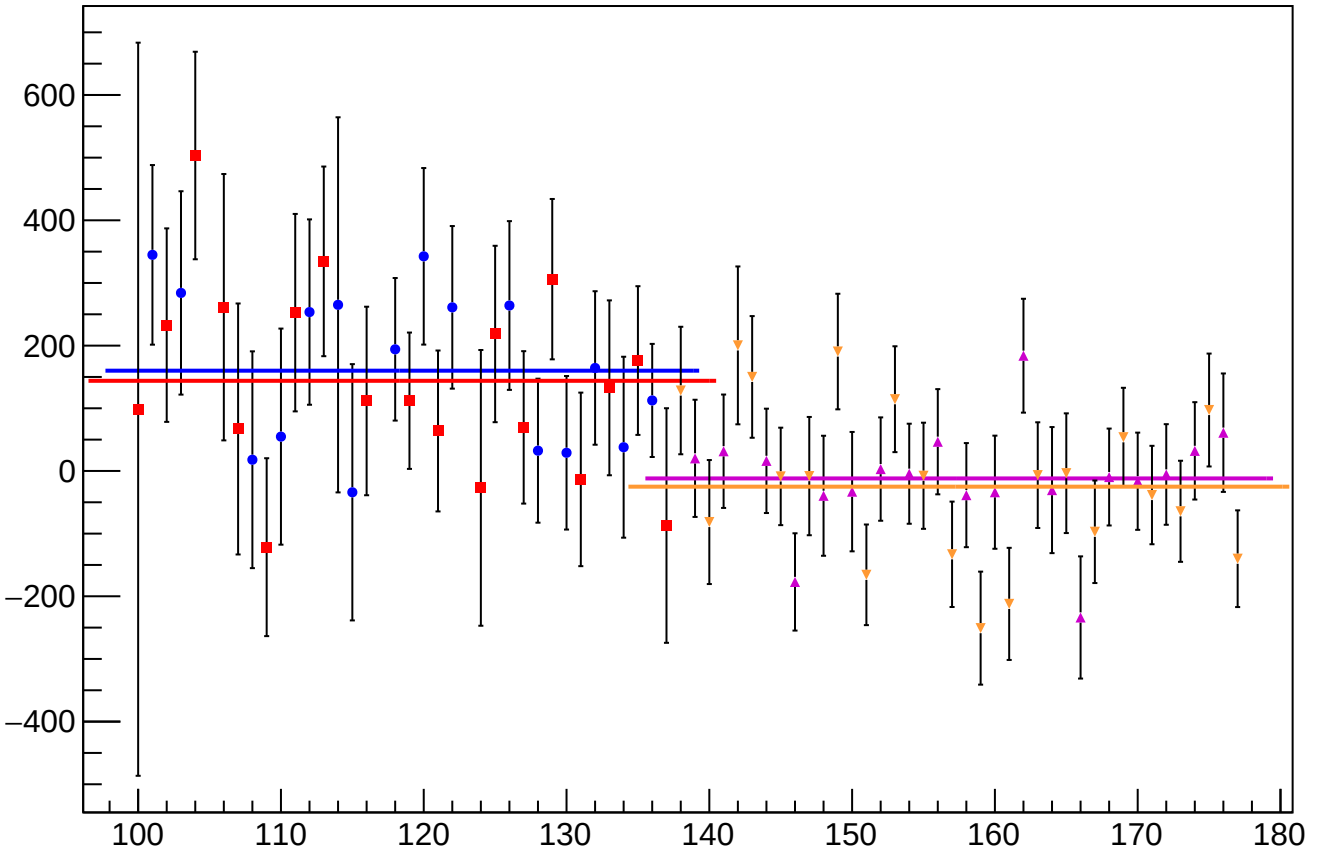
Left: 885.645+/-0.112 χ^2/NDF: 1073482.6/39

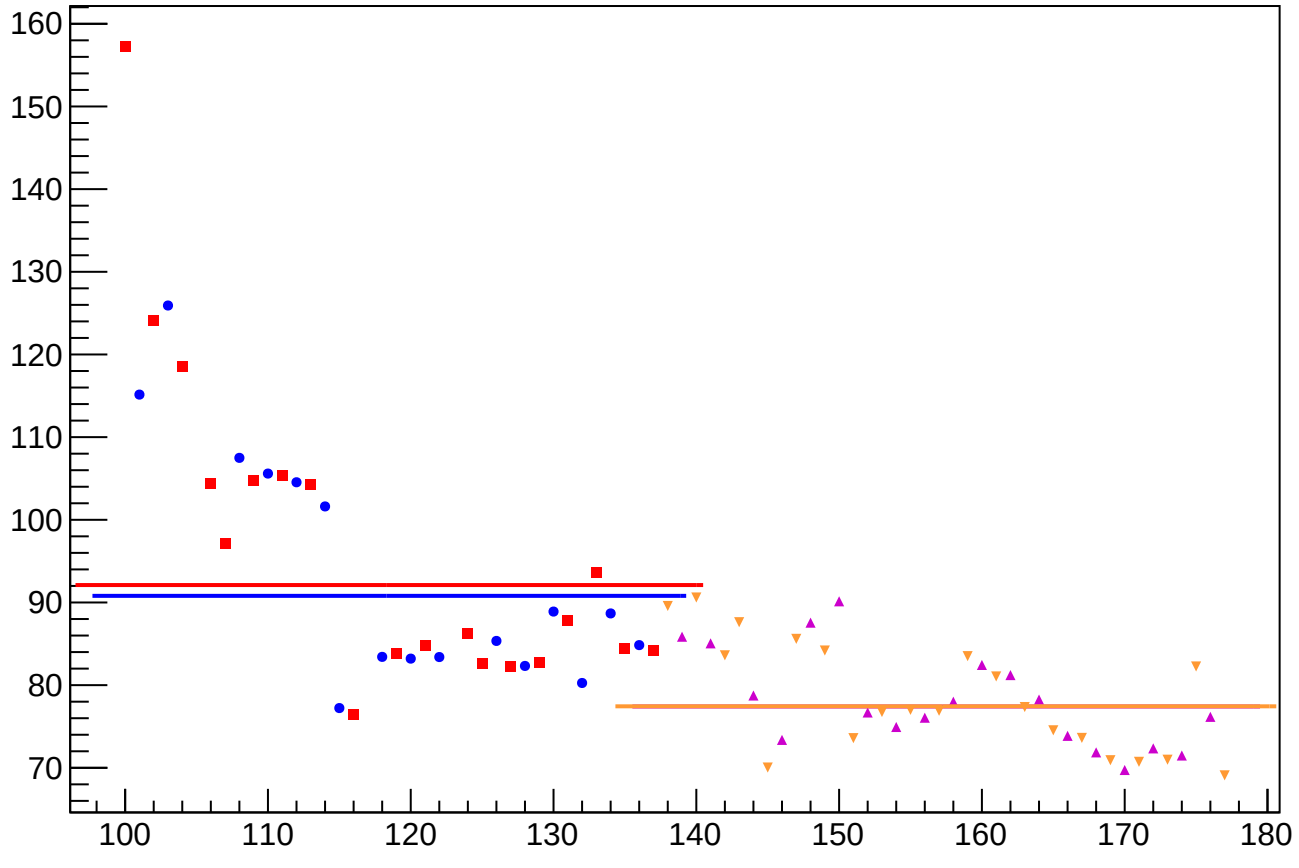
Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 968.147+/-0.149 χ^2/NDF:2891794.5/34

Out: 965.599+/-0.144 χ^2/NDF:3239153.6/39

All: 966.836+/-0.104 χ^2/NDF: 6131099.2/74


eigen_cor_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
100
110
120
130
140
150
160
170
180
Right In: 160.020+/-34.170 χ²/NDF: 11.1/15
Left Out: -25.084+/-19.055 χ²/NDF:38.9/20
Right Out: 143.862+/-34.216 χ²/NDF: 17.3/18
Left In: -11.931+/-19.723 χ²/NDF:16.6/18
Left: -18.734+/-13.704 χ²/NDF: 55.8/39
Right: 151.952+/-24.178 χ²/NDF: 28.5/34
In: 31.040+/-17.082 χ²/NDF:46.7/34
Out: 14.910+/-16.647 χ²/NDF:74.9/39
All: 22.768+/-11.922 χ²/NDF: 122.0/74



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 77.439+/-0.013 χ^2/NDF:228039.4/20

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 77.417+/-0.014 χ^2/NDF:159669.3/18

Left: 77.429+/-0.010 χ^2/NDF: 387710.0/39

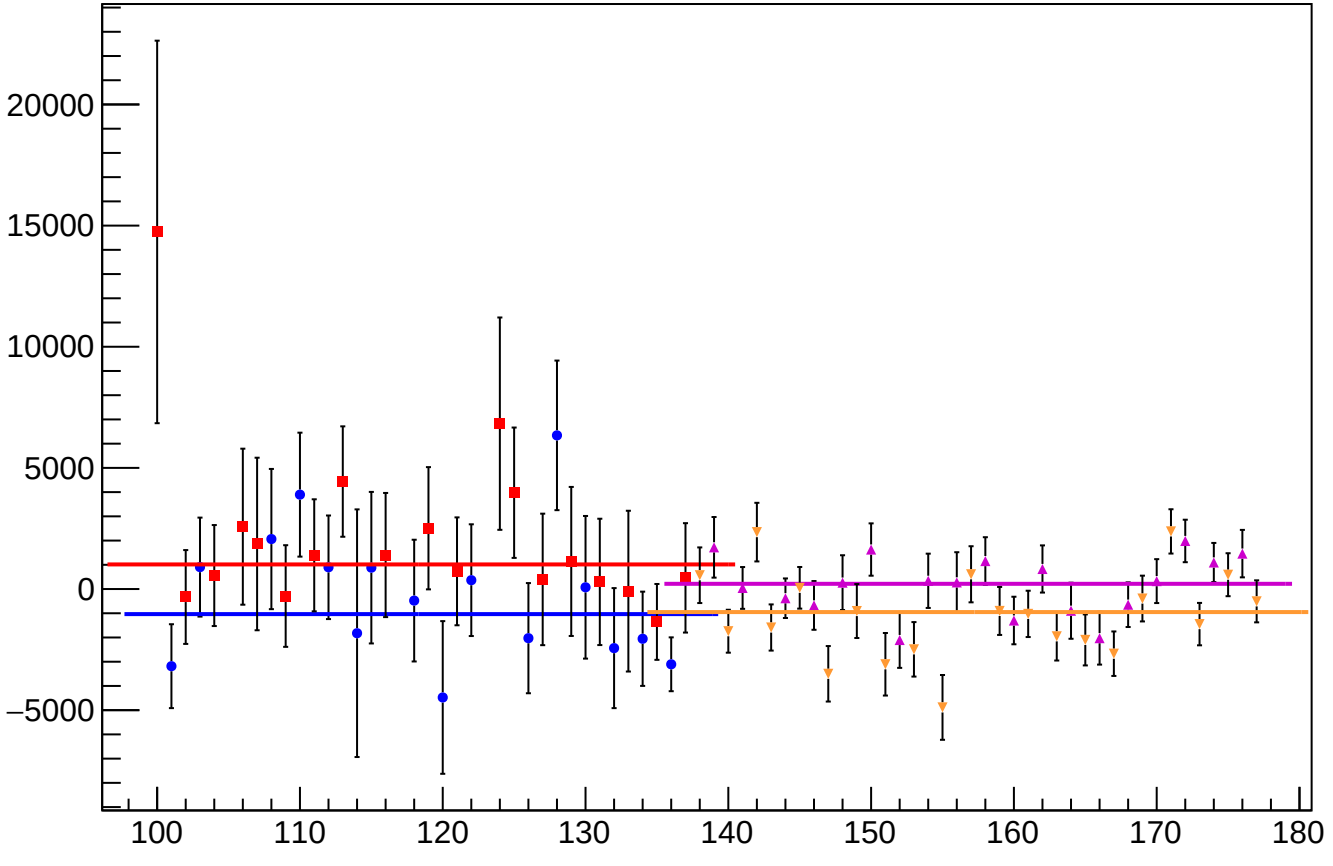
Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 80.762+/-0.012 χ^2/NDF:662615.4/34

Out: 80.912+/-0.012 χ^2/NDF:809389.9/39

All: 80.839+/-0.008 χ^2/NDF: 1472084.1/74

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: -950.903+/-218.916 χ^2/NDF:54.8/20

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 215.395+/-227.654 χ^2/NDF:25.2/18

Left: -390.567+/-157.796 χ^2/NDF: 93.6/39

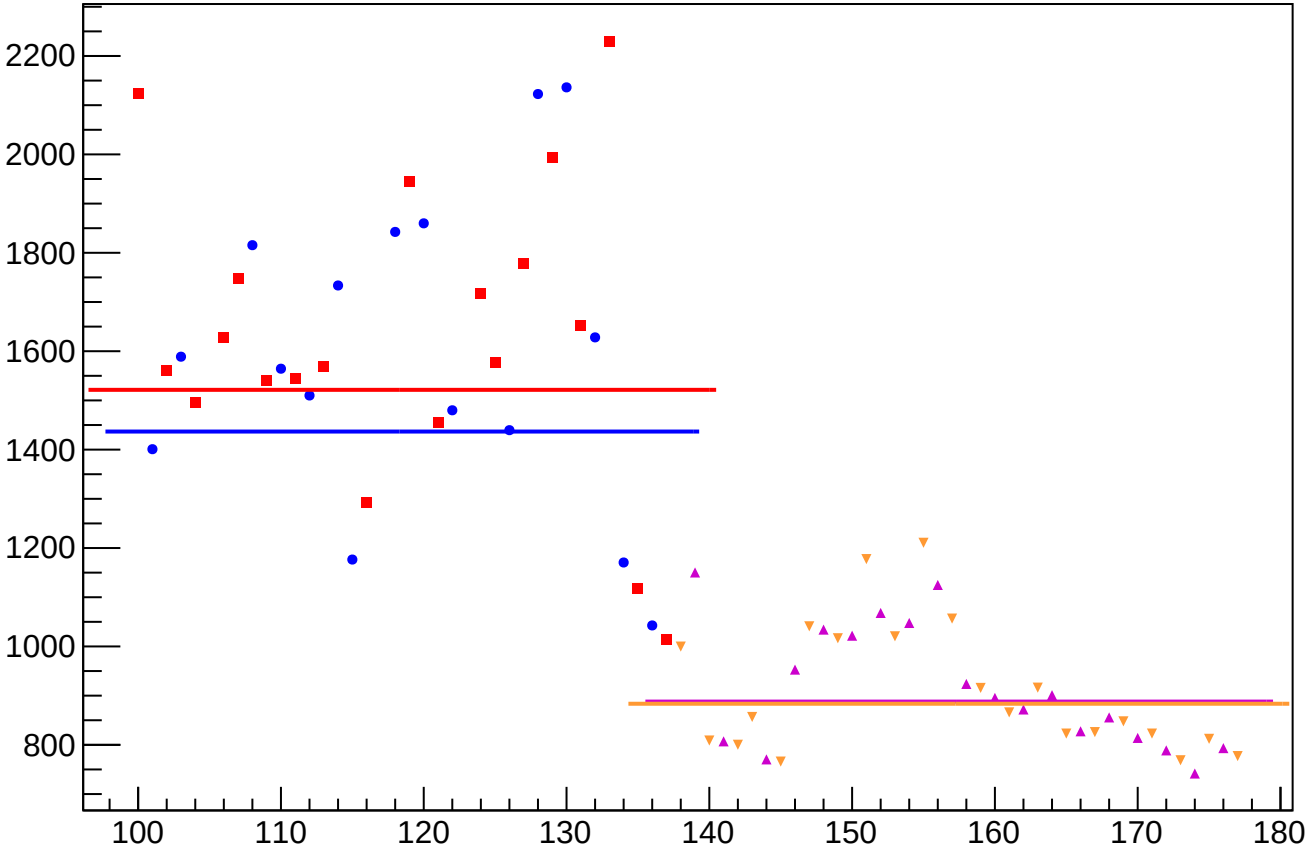
Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: 32.620+/-210.359 χ^2/NDF:49.9/34

Out: -697.973+/-204.351 χ^2/NDF:77.6/39

All: -343.257+/-146.576 χ^2/NDF: 133.7/74

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: 883.536+/-0.155 χ^2/NDF:555976.1/20

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 887.926+/-0.161 χ^2/NDF:517120.1/18

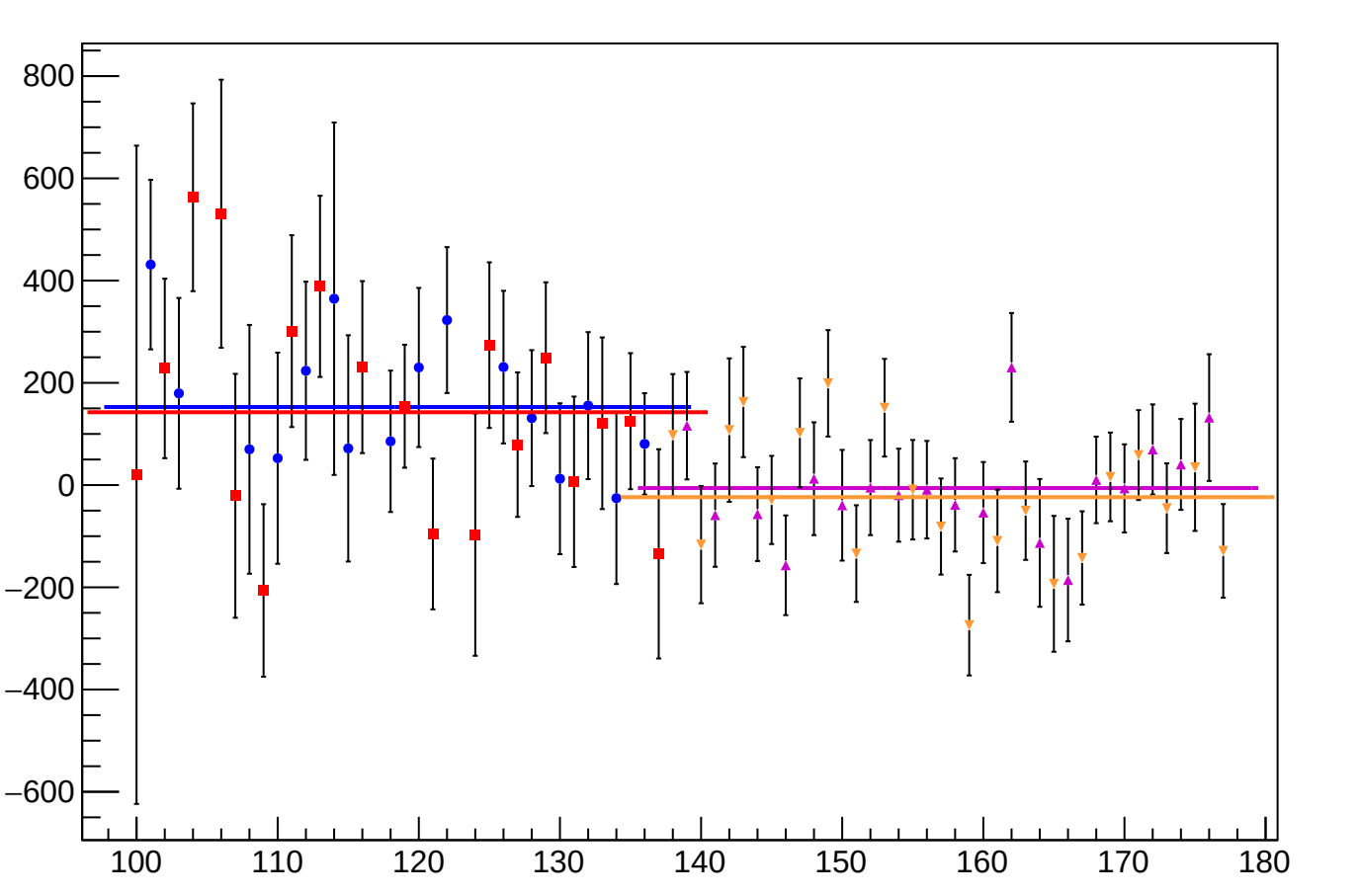
Left: 885.645+/-0.112 χ^2/NDF: 1073482.6/39

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 968.147+/-0.149 χ^2/NDF:2891794.5/34

Out: 965.599+/-0.144 χ^2/NDF:3239153.6/39

All: 966.836+/-0.104 χ^2/NDF: 6131099.2/74



Right In: 152.626+/-39.446 χ^2/NDF: 8.6/15

Left Out: -23.611+/-21.817 χ^2/NDF:29.9/20

Right Out: 142.496+/-39.340 χ^2/NDF: 22.9/18

Left In: -5.869+/-22.560 χ^2/NDF:15.0/18

Left: -15.037+/-15.683 χ^2/NDF: 45.3/39

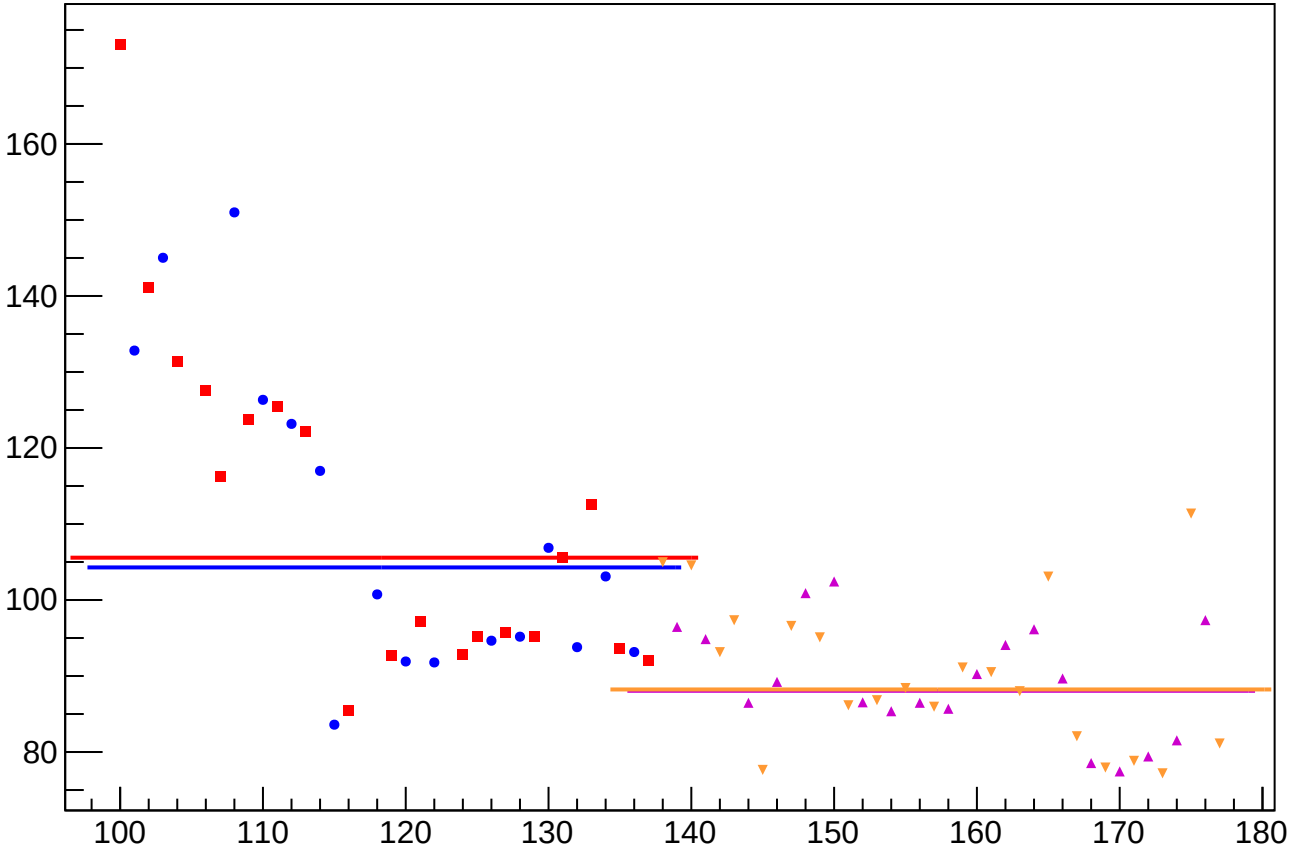
Right: 147.548+/-27.855 χ^2/NDF: 31.6/34

In: 33.195+/-19.583 χ^2/NDF:35.8/34

Out: 15.458+/-19.079 χ^2/NDF:66.5/39

All: 24.095+/-13.666 χ^2/NDF: 102.7/74

dit_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 88.230+/-0.015 χ^2/NDF:350624.9/20

Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

Left In: 88.052+/-0.016 χ^2/NDF:202232.1/18

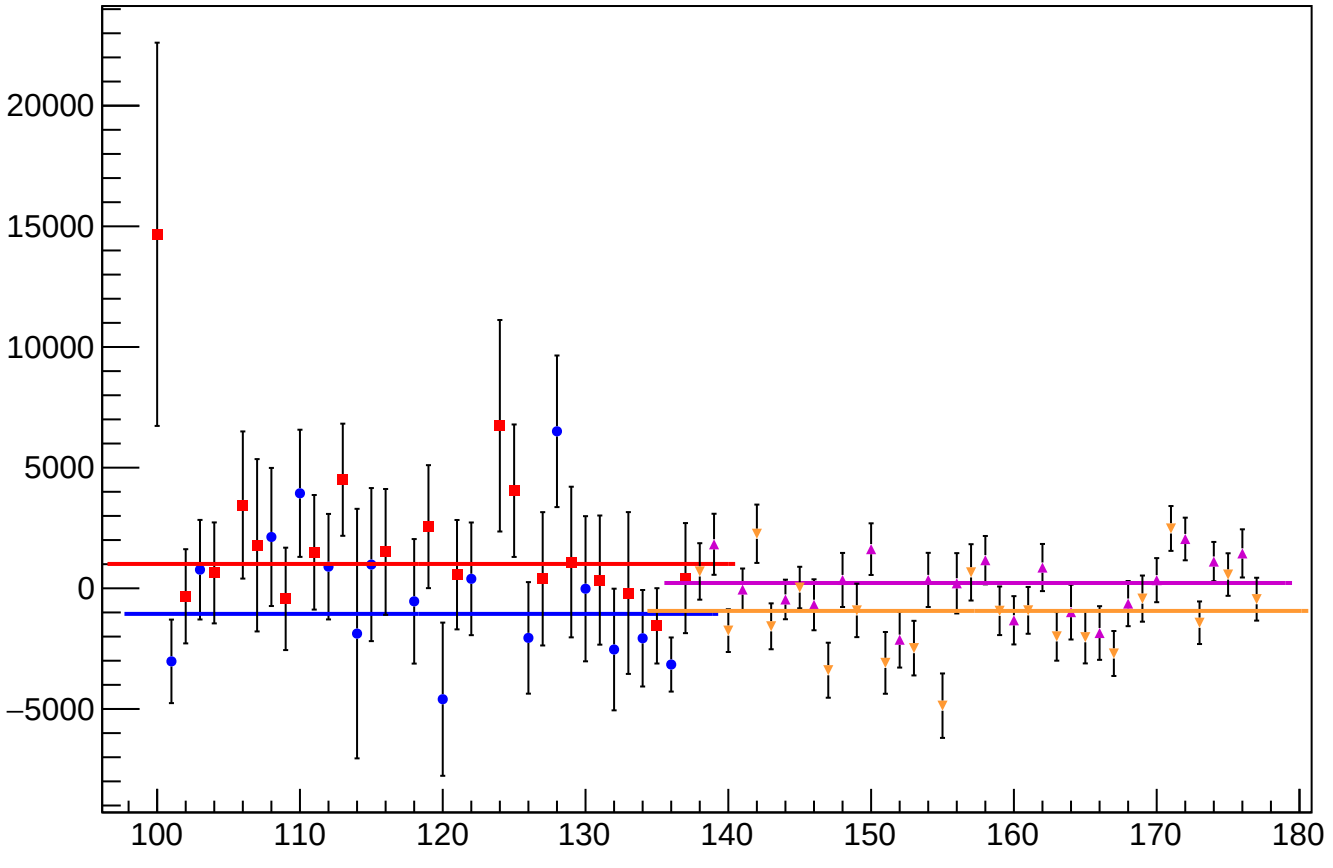
Left: 88.144+/-0.011 χ^2/NDF: 552921.0/39

Right: 104.929+/-0.020 χ^2/NDF: 723975.9/34

In: 92.053+/-0.014 χ^2/NDF:835788.0/34

Out: 92.308+/-0.013 χ^2/NDF:992334.8/39

All: 92.184+/-0.010 χ^2/NDF: 1828296.1/74



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -936.542+/-220.623 χ^2/NDF:54.4/20

Right Out: 1009.907+/-575.100 χ^2/NDF: 13.3/18

Left In: 220.890+/-229.743 χ^2/NDF:25.1/18

Left: -381.255+/-159.130 χ^2/NDF: 92.8/39

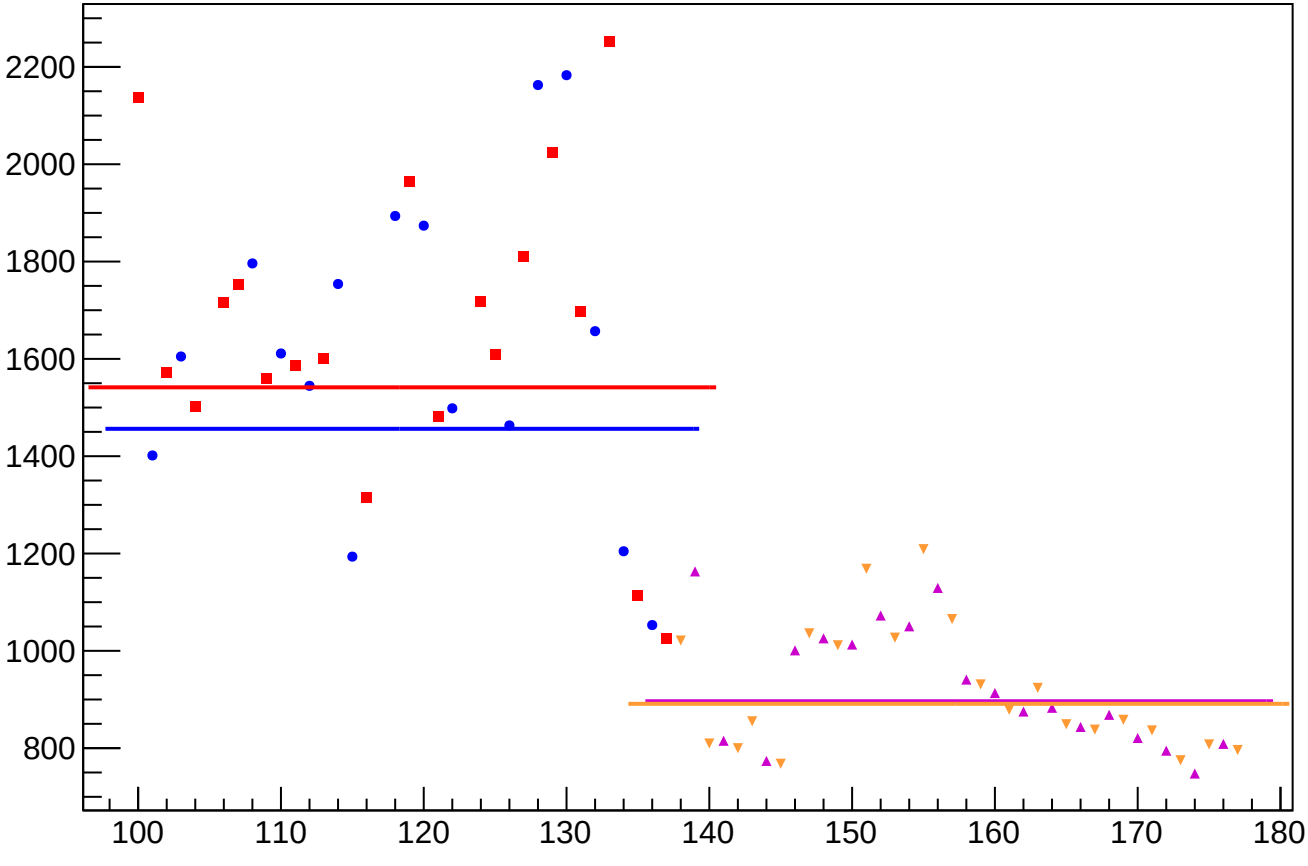
Right: -56.604+/-400.343 χ^2/NDF: 40.0/34

In: 35.120+/-212.421 χ^2/NDF:49.7/34

Out: -686.836+/-205.985 χ^2/NDF:77.7/39

All: -336.960+/-147.877 χ^2/NDF: 133.3/74

asym_sam_24_68_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 891.134+/-0.156 χ^2/NDF:533173.4/20

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

Left In: 896.419+/-0.162 χ^2/NDF:508957.3/18

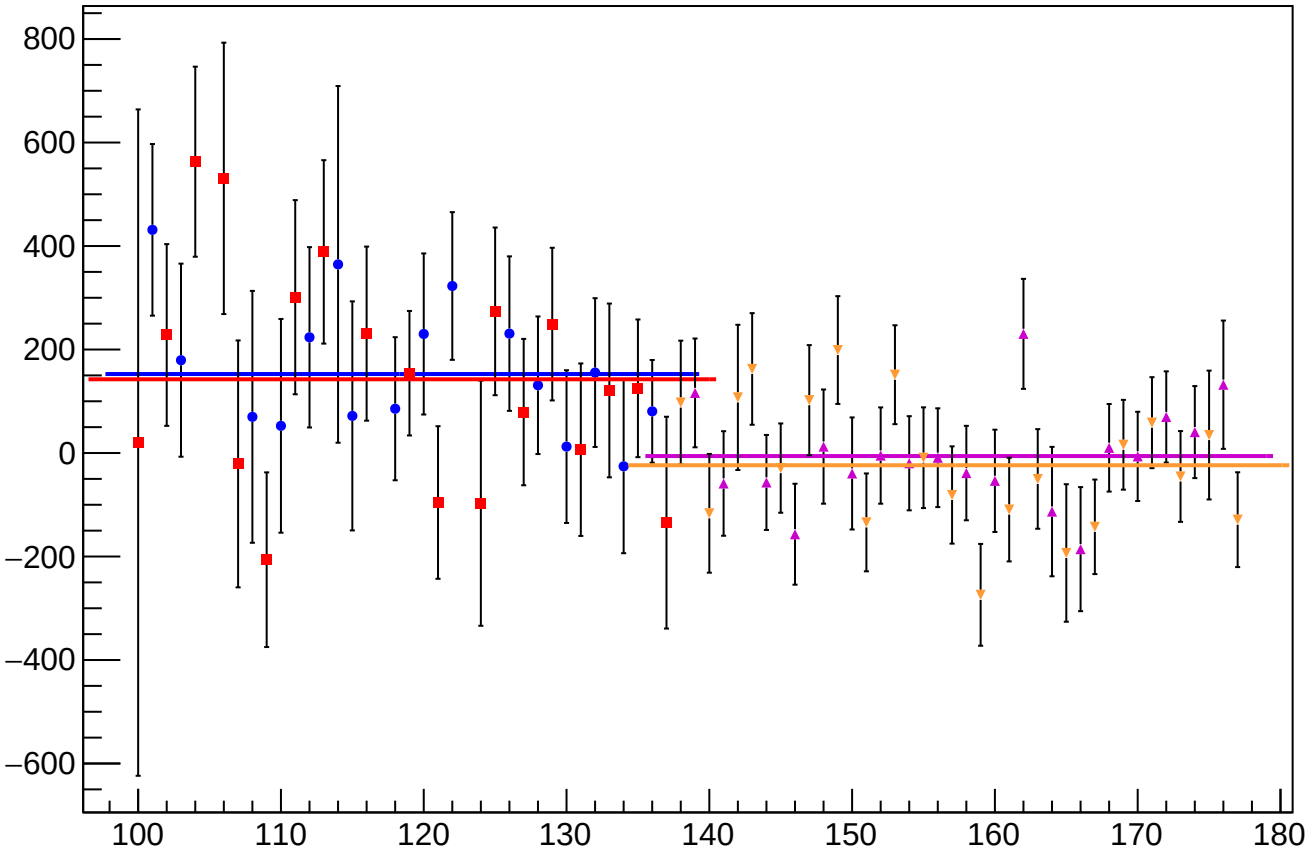
Left: 893.670+/-0.113 χ^2/NDF: 1042681.2/39

Right: 1497.600+/-0.283 χ^2/NDF: 1226777.5/34

In: 977.661+/-0.150 χ^2/NDF:2917316.3/34

Out: 974.571+/-0.146 χ^2/NDF:3282286.5/39

All: 976.068+/-0.105 χ^2/NDF: 6199820.8/74



Right In: 152.628+/-39.446 χ^2/NDF: 8.6/15

Left Out: -23.612+/-21.817 χ^2/NDF:29.9/20

Right Out: 142.494+/-39.340 χ^2/NDF: 22.9/18

Left In: -5.869+/-22.560 χ^2/NDF:15.0/18

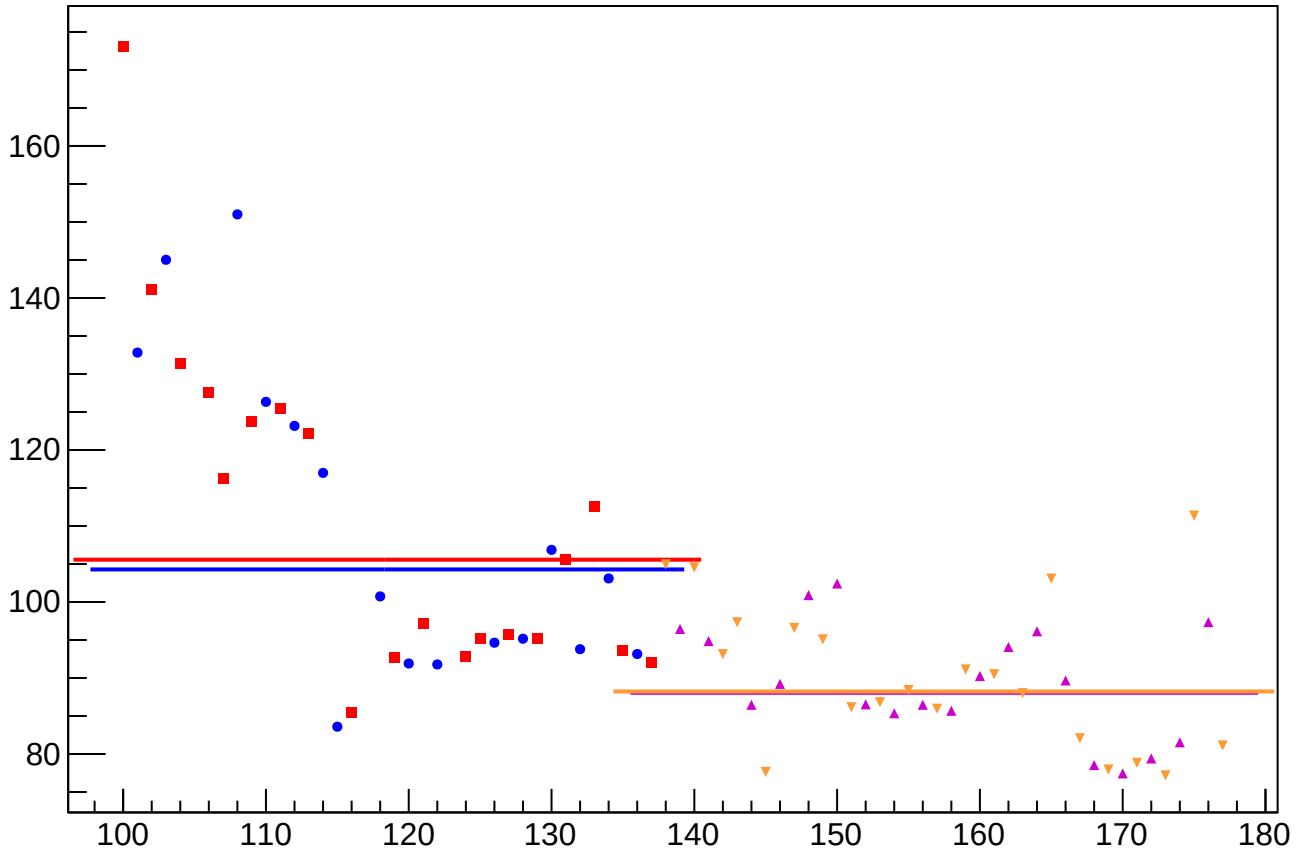
Left: -15.037+/-15.683 χ^2/NDF: 45.3/39

Right: 147.548+/-27.855 χ^2/NDF: 31.6/34

In: 33.195+/-19.583 χ^2/NDF:35.8/34

Out: 15.458+/-19.079 χ^2/NDF:66.5/39

All: 24.096+/-13.666 χ^2/NDF: 102.7/74



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 88.230+/-0.015 χ^2/NDF:350624.2/20

Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 88.052+/-0.016 χ^2/NDF:202232.1/18

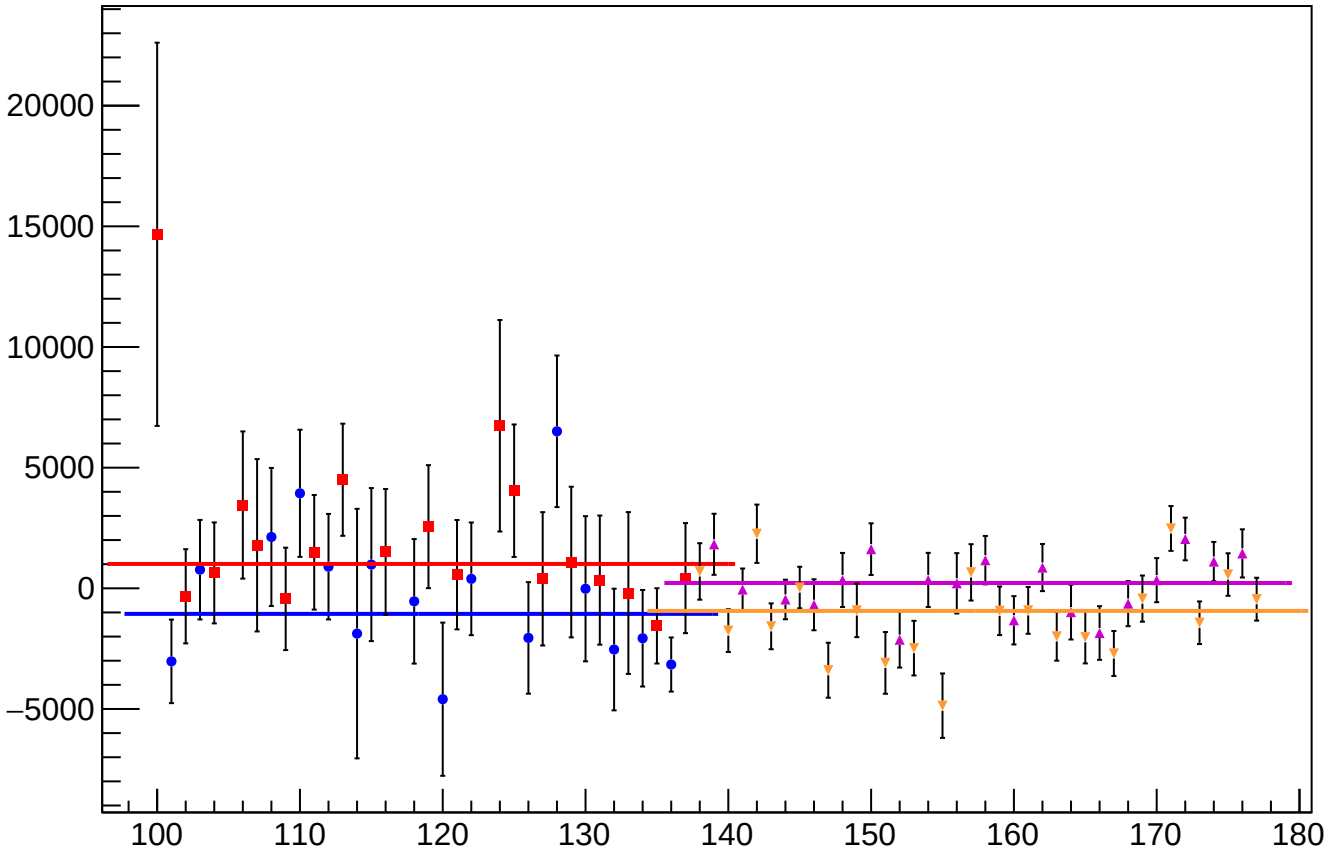
Left: 88.144+/-0.011 χ^2/NDF: 552920.3/39

Right: 104.928+/-0.020 χ^2/NDF: 723977.9/34

In: 92.053+/-0.014 χ^2/NDF:835762.8/34

Out: 92.308+/-0.013 χ^2/NDF:992308.9/39

All: 92.184+/-0.010 χ^2/NDF: 1828245.2/74



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -936.542+/-220.622 χ^2/NDF:54.4/20

Right Out: 1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: 220.888+/-229.743 χ^2/NDF:25.1/18

Left: -381.256+/-159.130 χ^2/NDF: 92.8/39

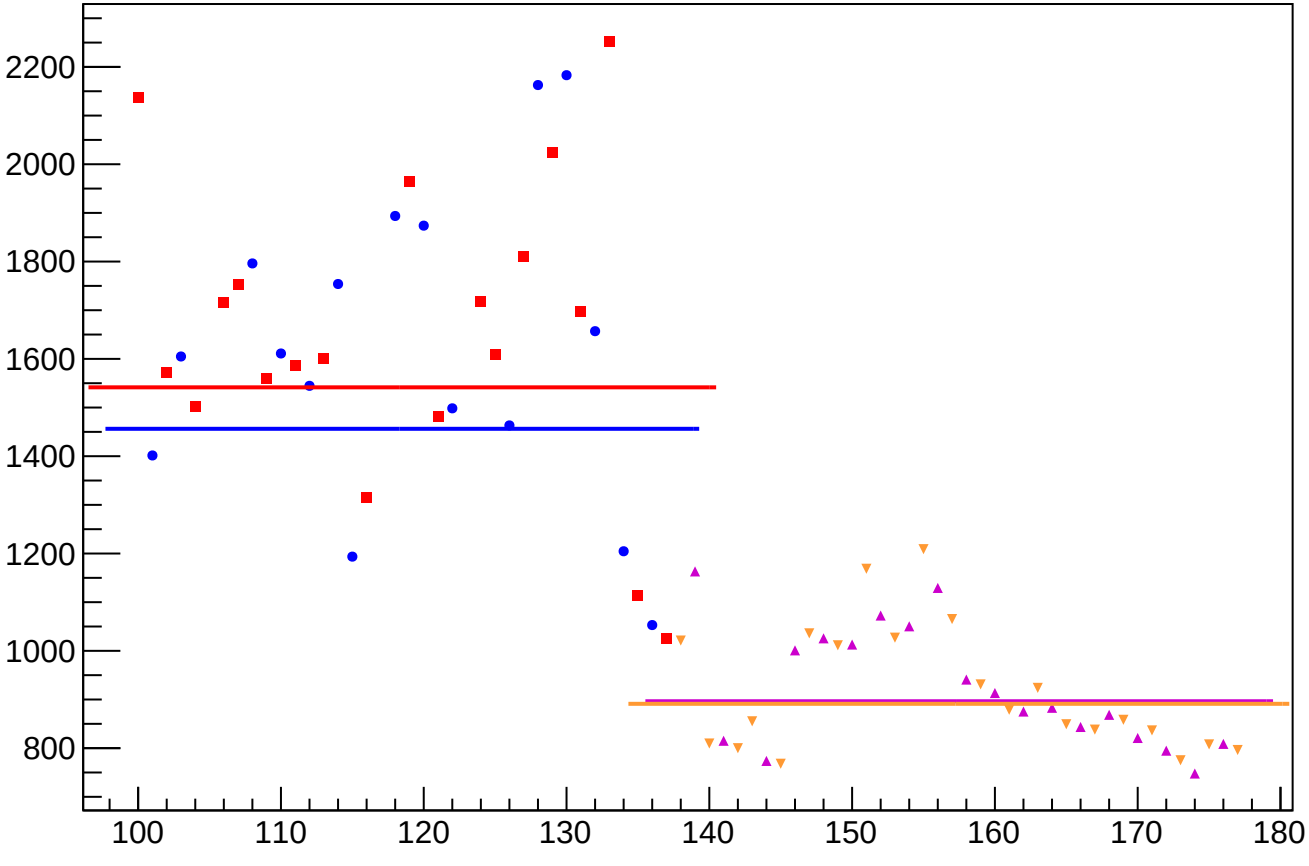
Right: -56.602+/-400.342 χ^2/NDF: 40.0/34

In: 35.119+/-212.421 χ^2/NDF:49.7/34

Out: -686.835+/-205.985 χ^2/NDF:77.7/39

All: -336.961+/-147.877 χ^2/NDF: 133.3/74

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: 891.134+/-0.156 χ^2/NDF:533173.2/20

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

Left In: 896.418+/-0.162 χ^2/NDF:508956.4/18

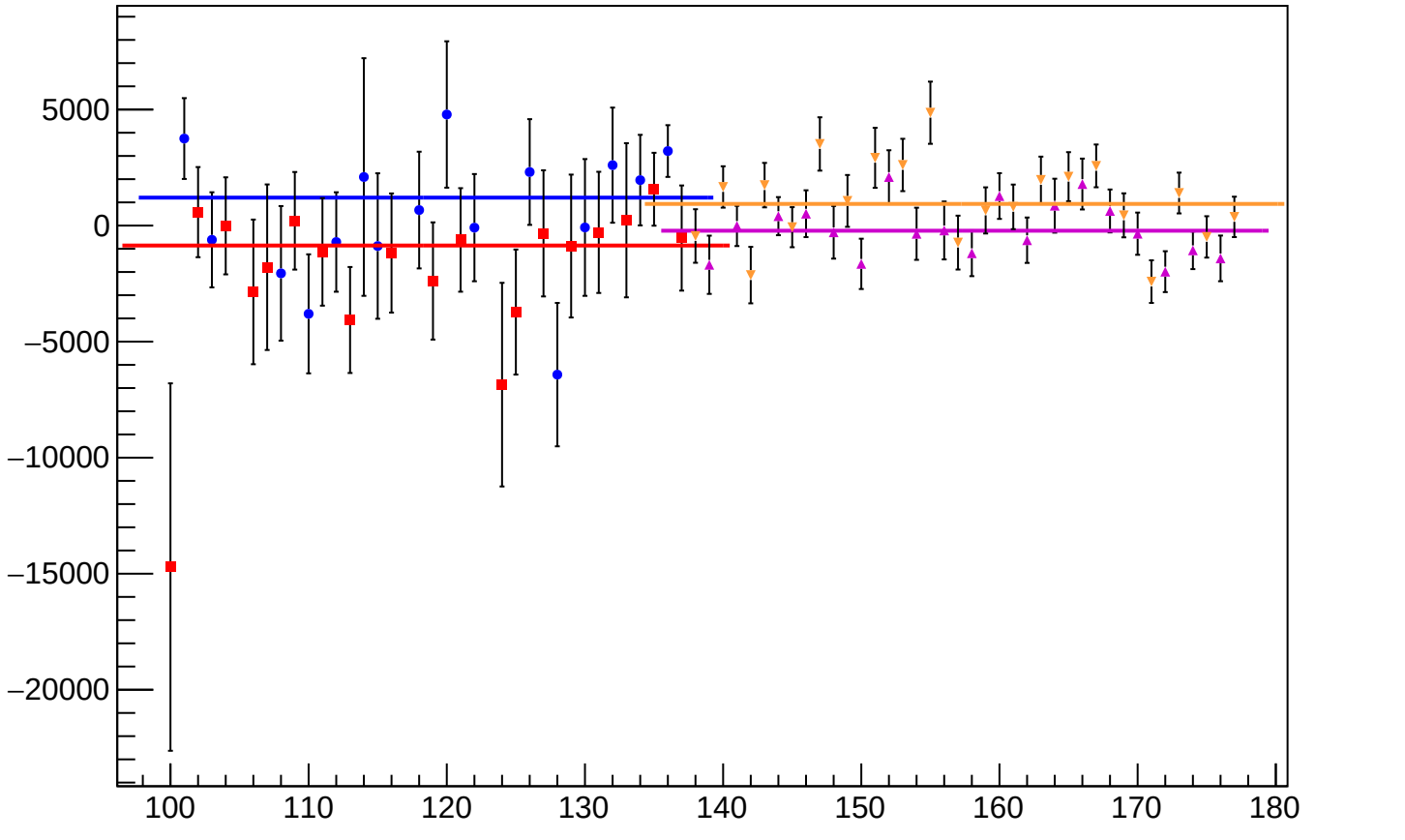
Left: 893.669+/-0.113 χ^2/NDF: 1042680.1/39

Right: 1497.597+/-0.283 χ^2/NDF: 1226774.5/34

In: 977.660+/-0.150 χ^2/NDF:2917306.4/34

Out: 974.571+/-0.146 χ^2/NDF:3282277.2/39

All: 976.068+/-0.105 χ^2/NDF: 6199801.6/74



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 933.507+/-219.824 χ^2/NDF:53.2/20

Right Out: -859.290+/-570.391 χ^2/NDF: 12.5/18

Left In: -220.905+/-228.575 χ^2/NDF:23.4/18

Left: 378.821+/-158.442 χ^2/NDF: 89.9/39

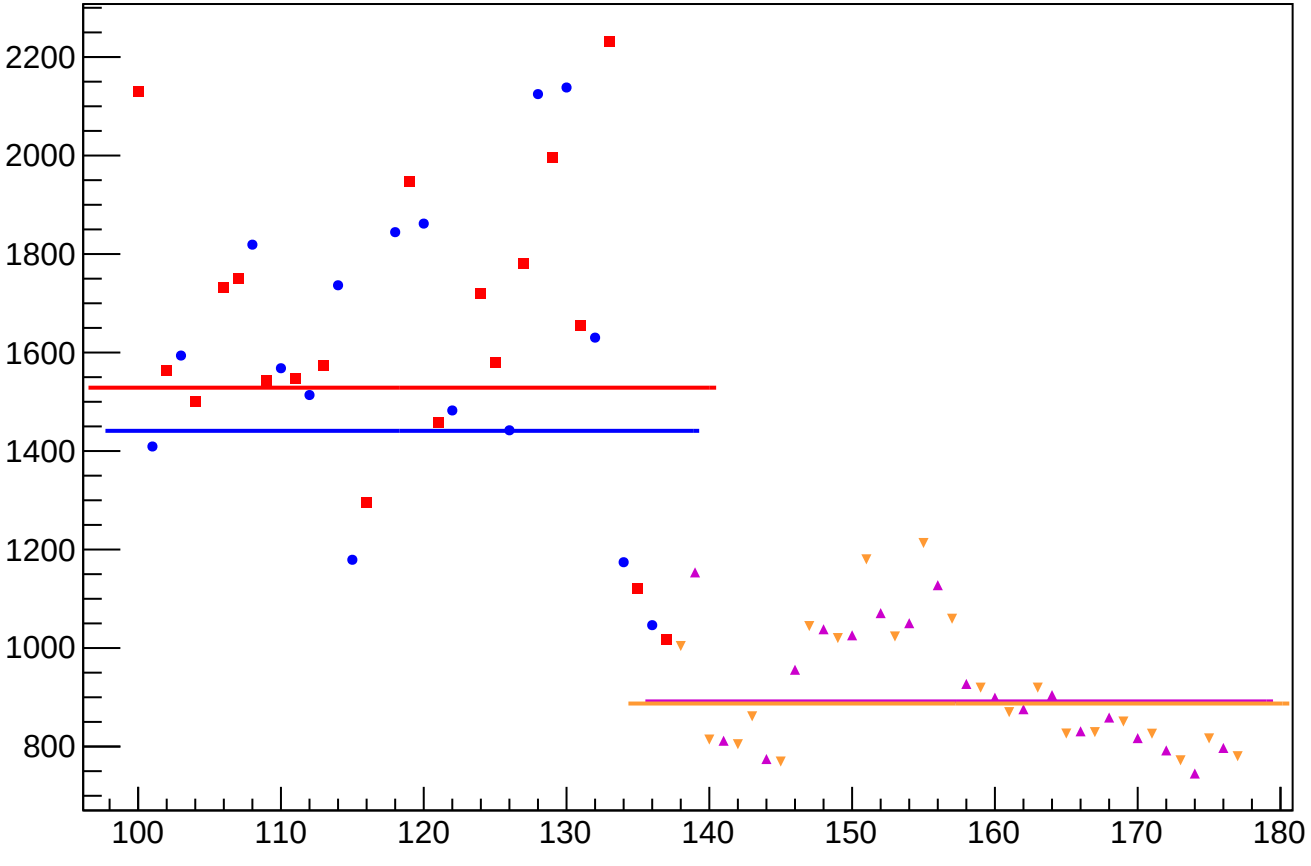
Right: 207.019+/-396.565 χ^2/NDF: 40.4/34

In: -12.067+/-211.170 χ^2/NDF:50.3/34

Out: 701.664+/-205.118 χ^2/NDF:74.3/39

All: 355.171+/-147.133 χ^2/NDF: 130.4/74

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 887.318+/-0.155 χ^2/NDF:550172.0/20

Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 891.623+/-0.162 χ^2/NDF:511507.8/18

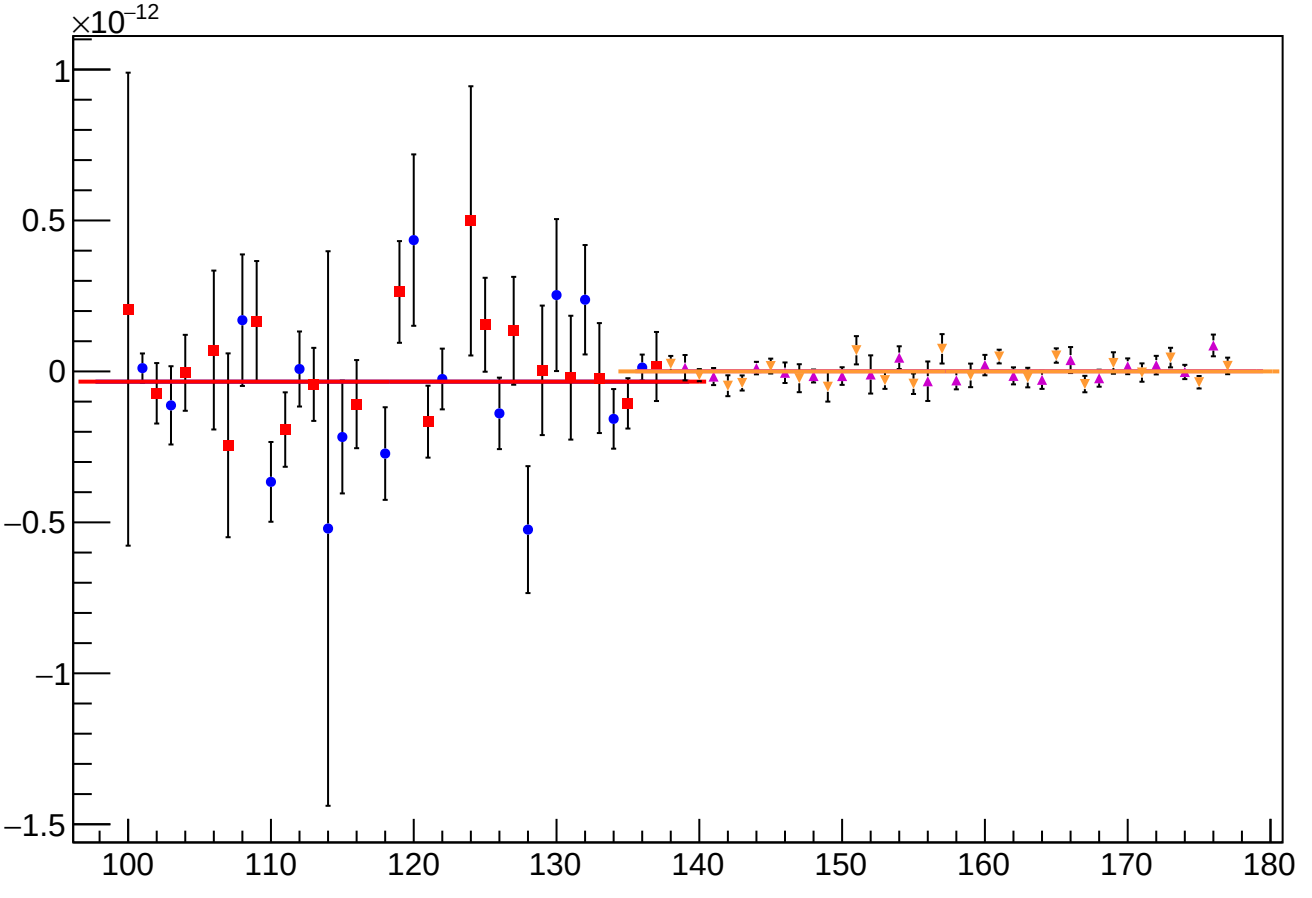
Left: 889.386+/-0.112 χ^2/NDF: 1062048.4/39

Right: 1483.381+/-0.280 χ^2/NDF: 1196778.1/34

In: 972.105+/-0.149 χ^2/NDF:2874833.1/34

Out: 970.255+/-0.145 χ^2/NDF:3253354.8/39

All: 971.153+/-0.104 χ^2/NDF: 6128266.9/74



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:32.9/20

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:13.7/18

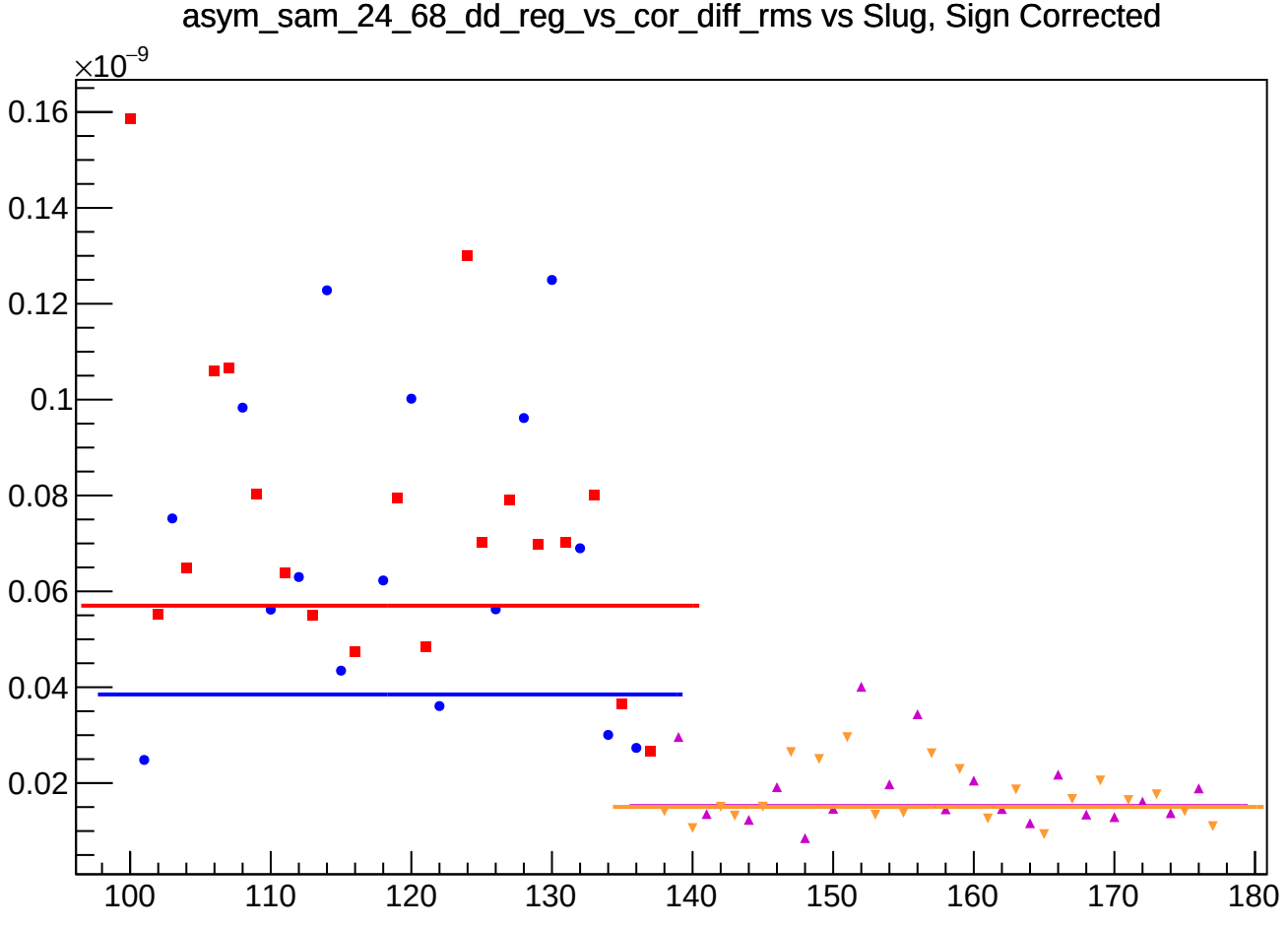
Left: 0.000+/-0.000 χ^2/NDF: 46.6/39

Right: -0.000+/-0.000 χ^2/NDF: 40.4/34

In: -0.000+/-0.000 χ^2/NDF:42.9/34

Out: -0.000+/-0.000 χ^2/NDF:46.8/39

All: -0.000+/-0.000 χ^2/NDF: 89.8/74



Right In: 0.000+/-0.000 χ^2/NDF: 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:983910.1/20

Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1191893.0/18

Left: 0.000+/-0.000 χ^2/NDF: 2176498.9/39

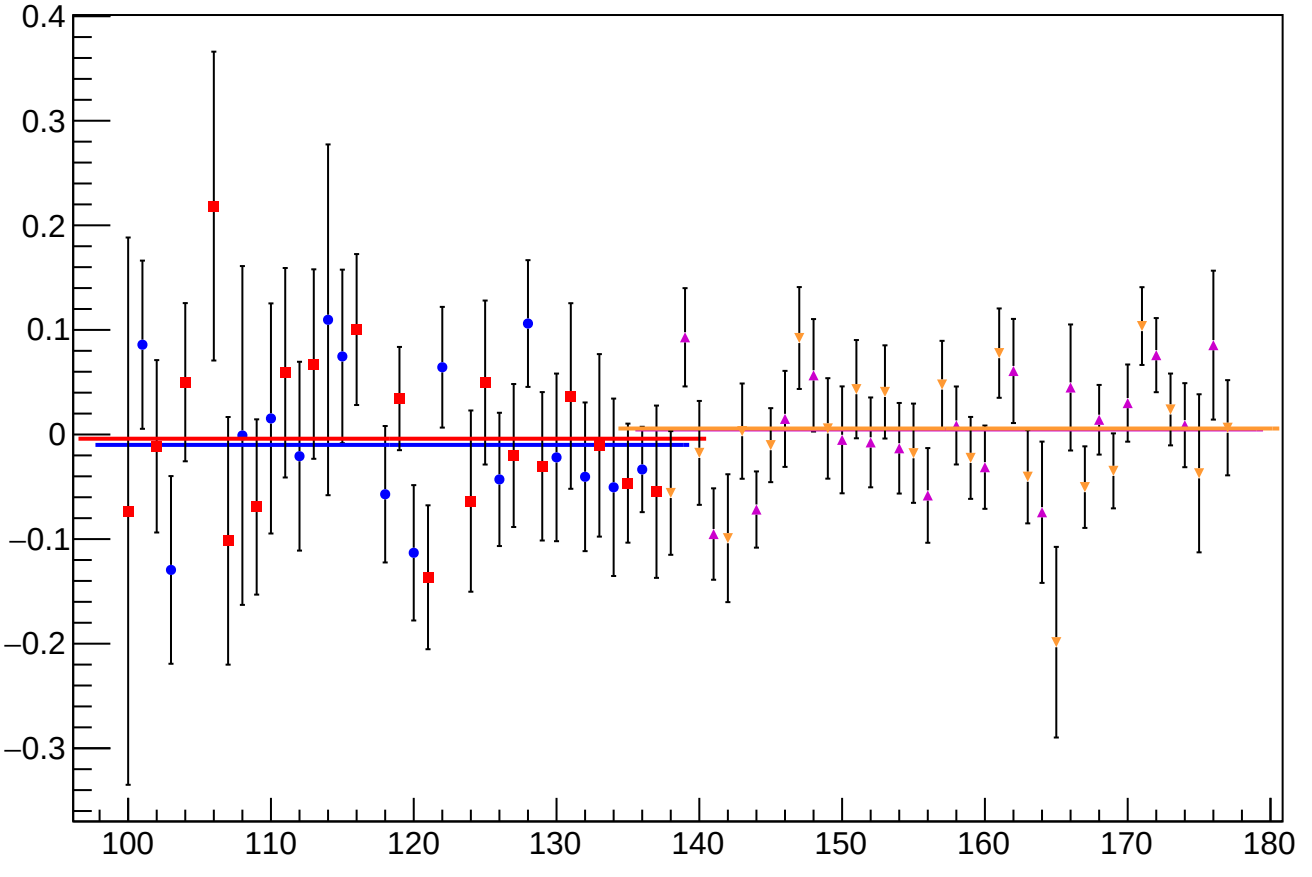
Right: 0.000+/-0.000 χ^2/NDF: 2430892.0/34

In: 0.000+/-0.000 χ^2/NDF:4179729.9/34

Out: 0.000+/-0.000 χ^2/NDF:4626677.1/39

All: 0.000+/-0.000 χ^2/NDF: 8810472.2/74

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.5/20

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.005+/-0.010 χ^2/NDF:26.1/18

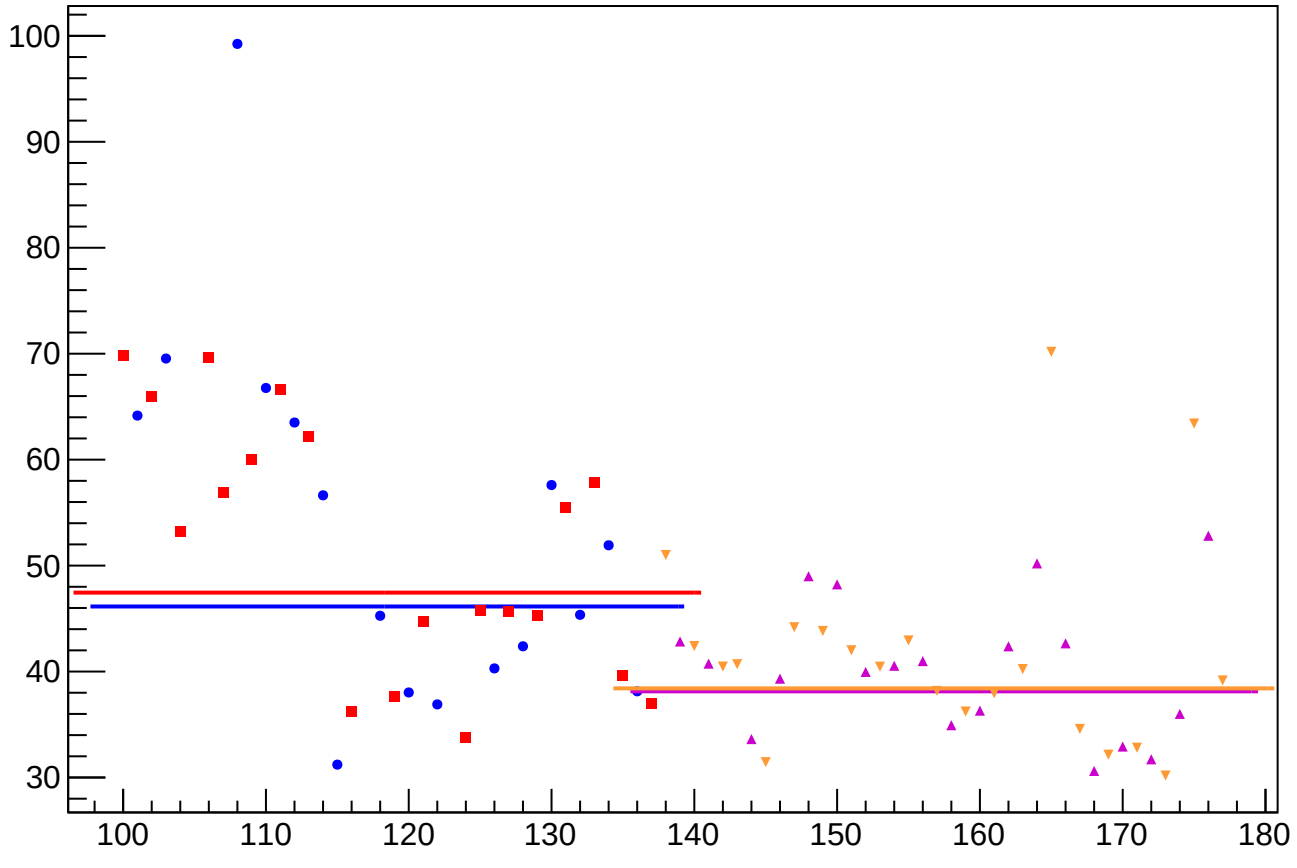
Left: 0.005+/-0.007 χ^2/NDF: 56.6/39

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: 0.001+/-0.009 χ^2/NDF:40.9/34

Out: 0.004+/-0.009 χ^2/NDF:44.5/39

All: 0.002+/-0.006 χ^2/NDF: 85.5/74



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 38.413+/-0.007 χ^2/NDF:988496.2/20

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 38.133+/-0.007 χ^2/NDF:643259.4/18

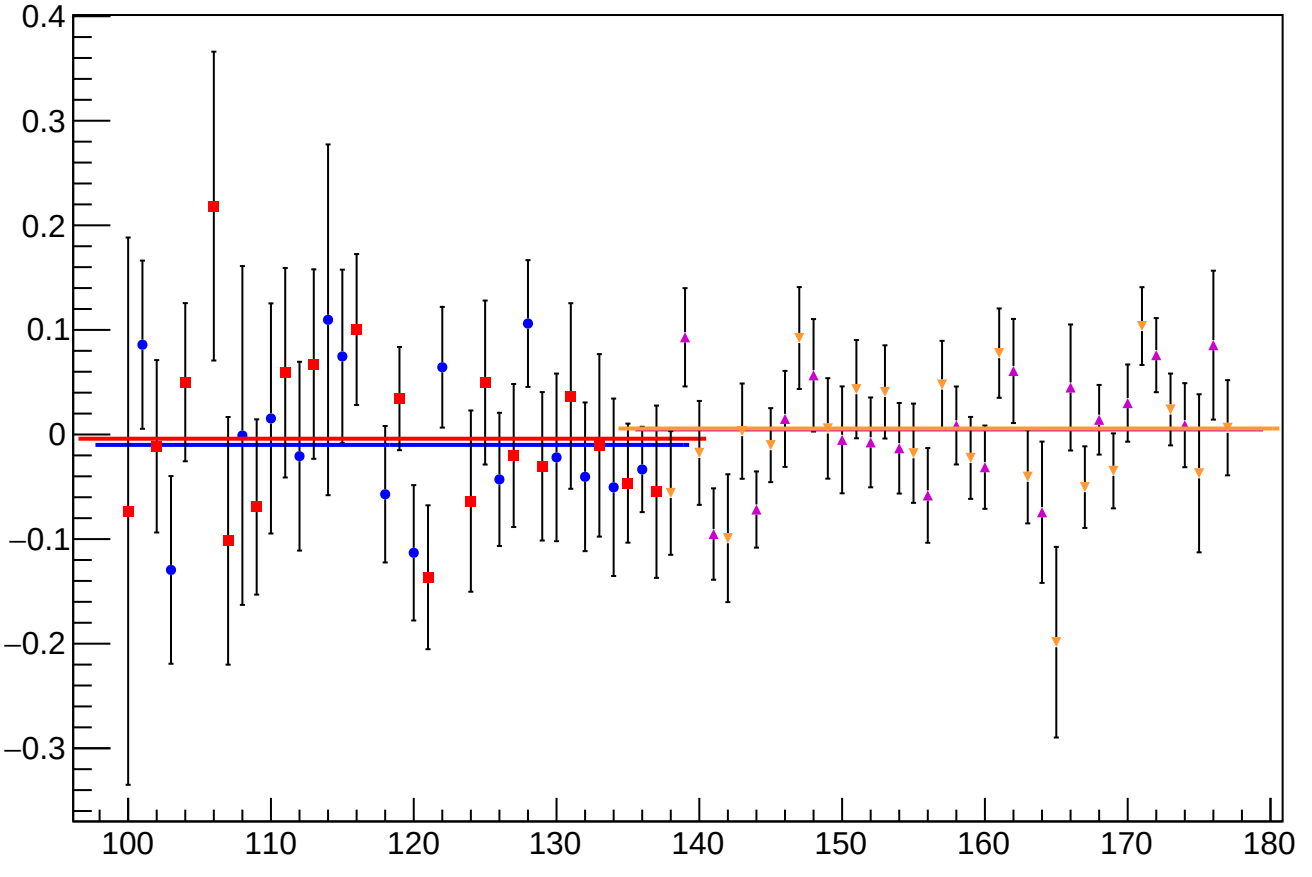
Left: 38.277+/-0.005 χ^2/NDF: 1632557.9/39

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 40.024+/-0.006 χ^2/NDF:1849167.3/34

Out: 40.441+/-0.006 χ^2/NDF:2030153.2/39

All: 40.237+/-0.004 χ^2/NDF: 3881637.6/74



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.5/20

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.005+/-0.010 χ^2/NDF:26.1/18

Left: 0.005+/-0.007 χ^2/NDF: 56.6/39

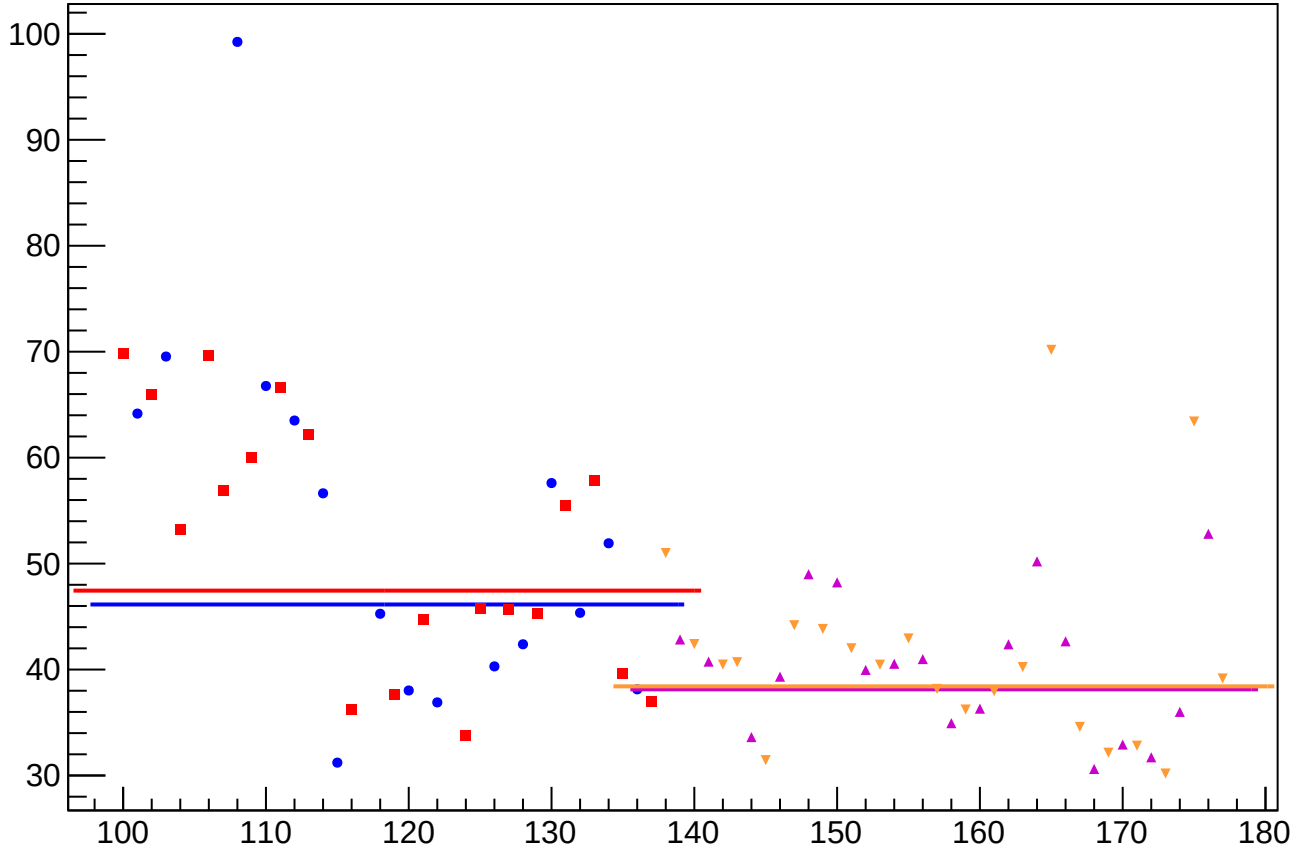
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: 0.001+/-0.009 χ^2/NDF:40.9/34

Out: 0.004+/-0.009 χ^2/NDF:44.5/39

All: 0.002+/-0.006 χ^2/NDF: 85.5/74

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 38.413+/-0.007 χ^2/NDF:988496.2/20

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 38.133+/-0.007 χ^2/NDF:643259.4/18

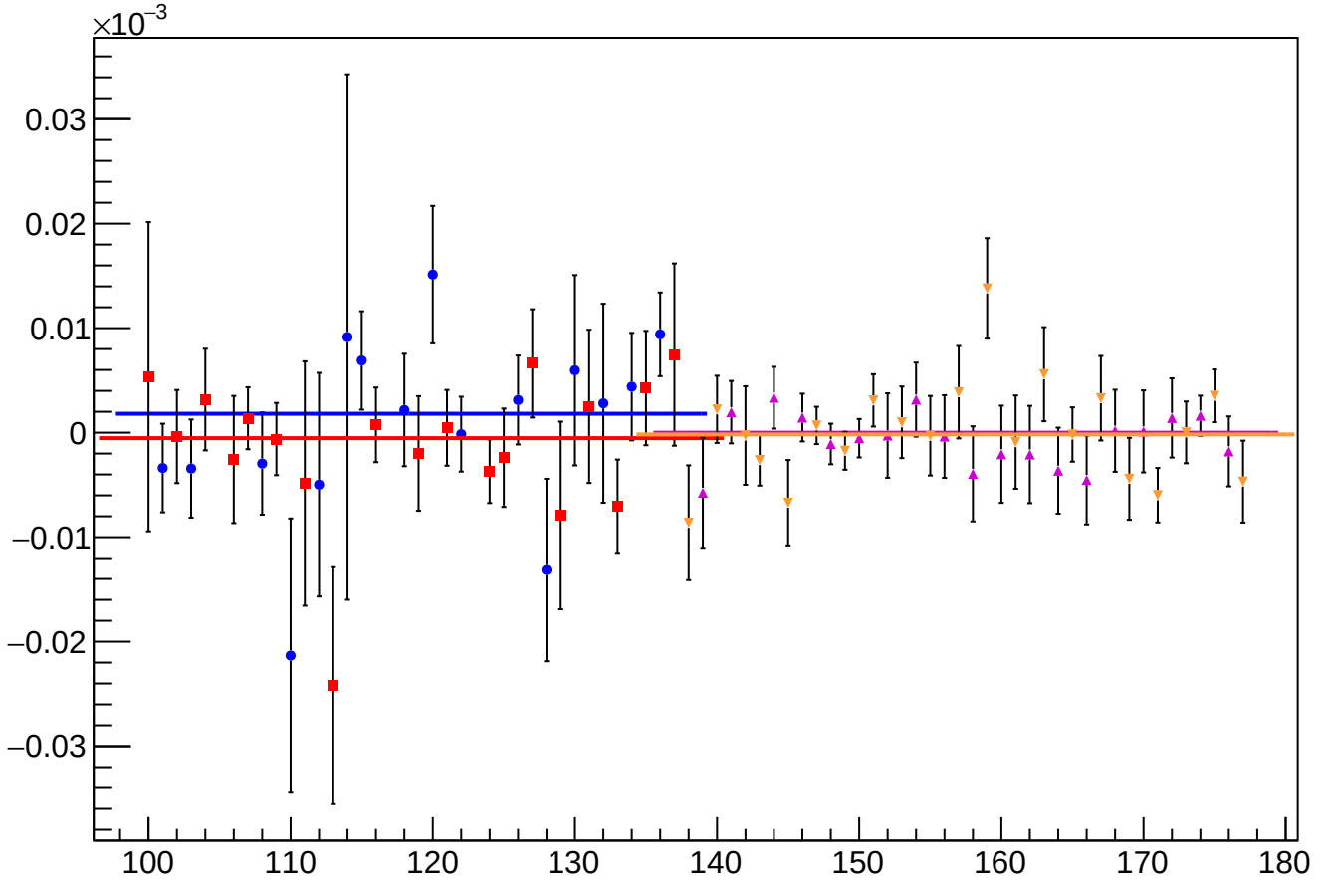
Left: 38.277+/-0.005 χ^2/NDF: 1632557.9/39

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 40.024+/-0.006 χ^2/NDF:1849167.3/34

Out: 40.441+/-0.006 χ^2/NDF:2030153.2/39

All: 40.237+/-0.004 χ^2/NDF: 3881637.6/74



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.6/20

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:8.7/18

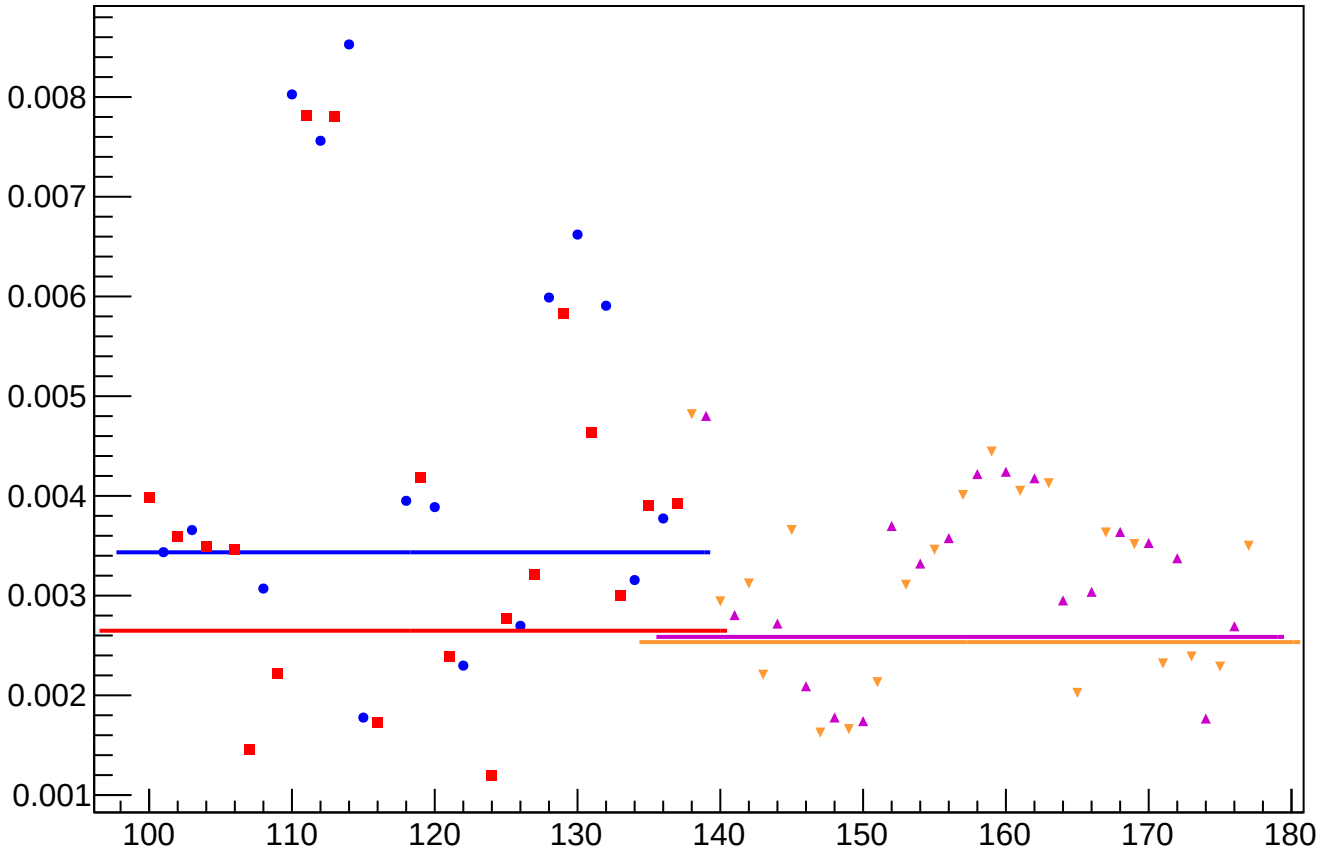
Left: -0.000+/-0.000 χ^2/NDF: 39.3/39

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:30.1/34

Out: -0.000+/-0.000 χ^2/NDF:44.4/39

All: 0.000+/-0.000 χ^2/NDF: 75.1/74



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:3326058.8/20

Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.003+/-0.000 χ^2/NDF:3085683.5/18

Left: 0.003+/-0.000 χ^2/NDF: 6417574.0/39

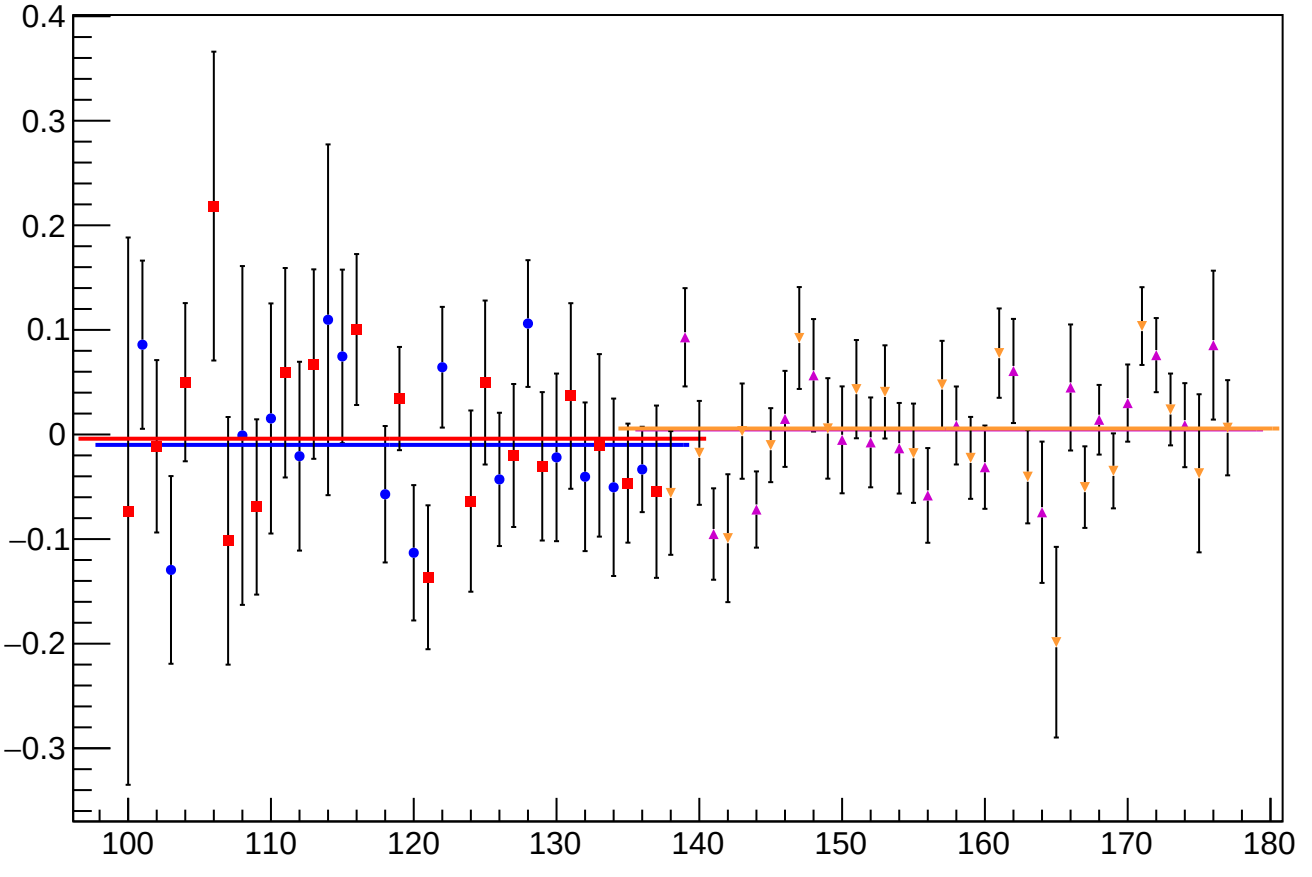
Right: 0.003+/-0.000 χ^2/NDF: 4848064.7/34

In: 0.003+/-0.000 χ^2/NDF:5440223.2/34

Out: 0.003+/-0.000 χ^2/NDF:6038954.6/39

All: 0.003+/-0.000 χ^2/NDF: 11588540.6/74

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.5/20

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.005+/-0.010 χ^2/NDF:26.1/18

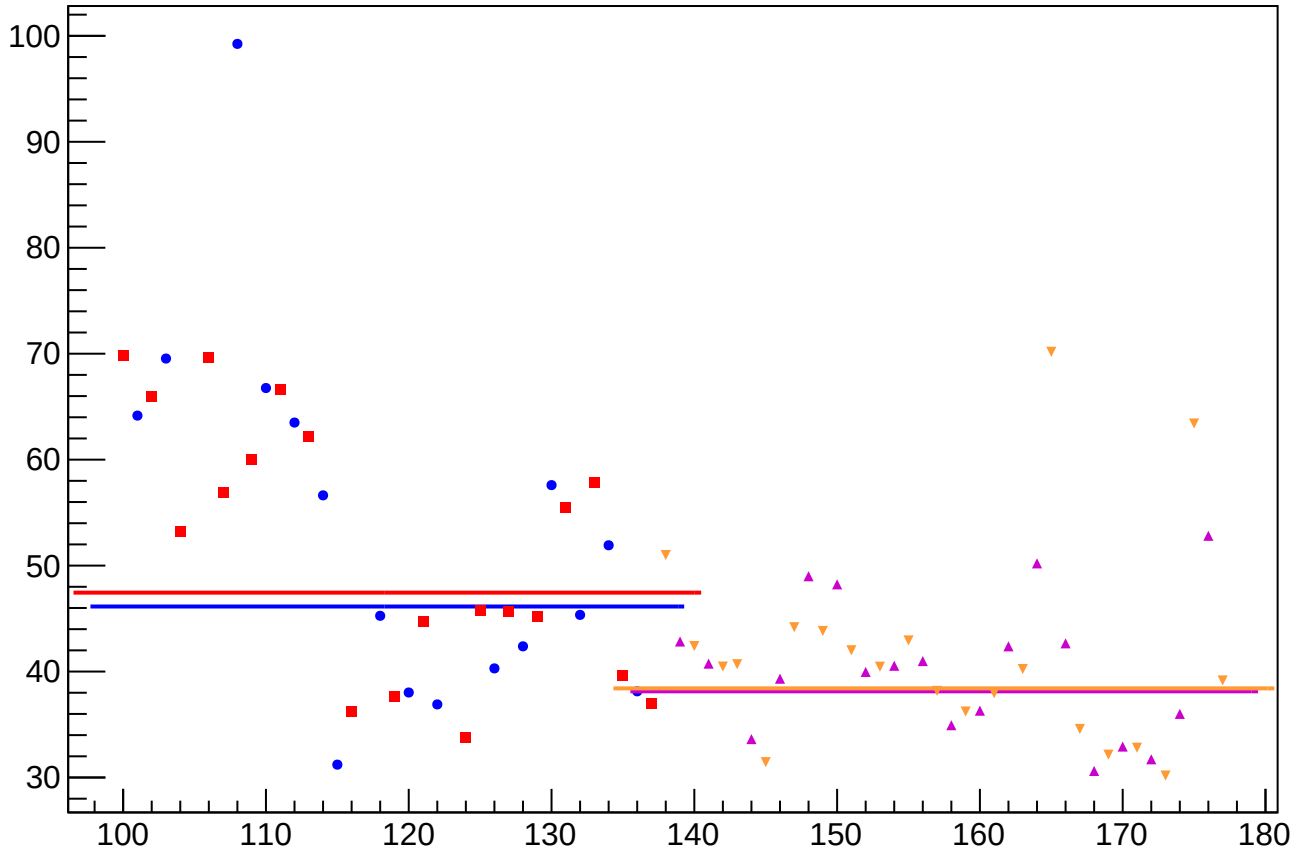
Left: 0.005+/-0.007 χ^2/NDF: 56.6/39

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: 0.001+/-0.009 χ^2/NDF:40.9/34

Out: 0.004+/-0.009 χ^2/NDF:44.5/39

All: 0.002+/-0.006 χ^2/NDF: 85.5/74



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 38.413+/-0.007 χ^2/NDF:988518.7/20

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 38.133+/-0.007 χ^2/NDF:643304.6/18

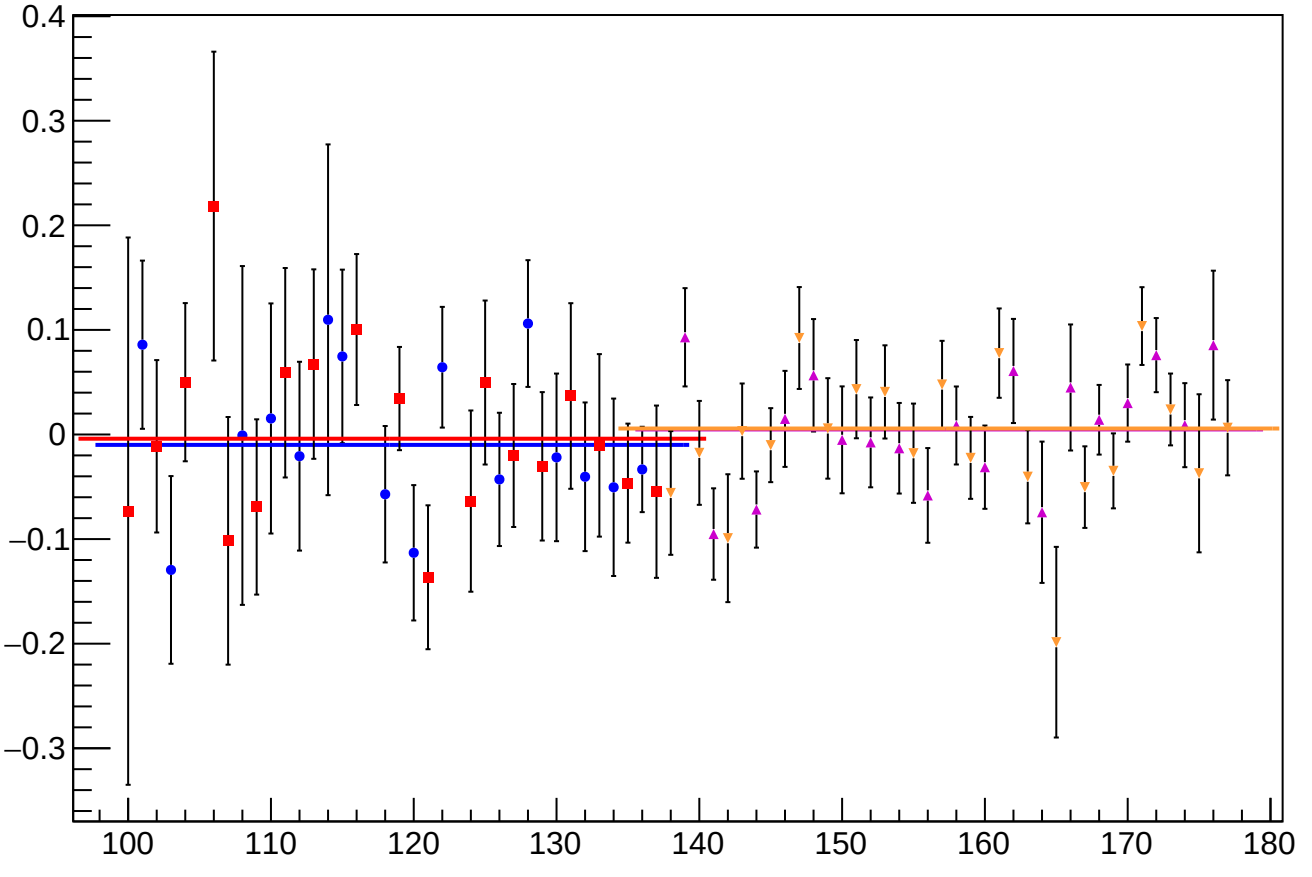
Left: 38.277+/-0.005 χ^2/NDF: 1632627.0/39

Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 40.024+/-0.006 χ^2/NDF:1849094.5/34

Out: 40.441+/-0.006 χ^2/NDF:2030074.0/39

All: 40.236+/-0.004 χ^2/NDF: 3881489.0/74



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.5/20

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.005+/-0.010 χ^2/NDF:26.1/18

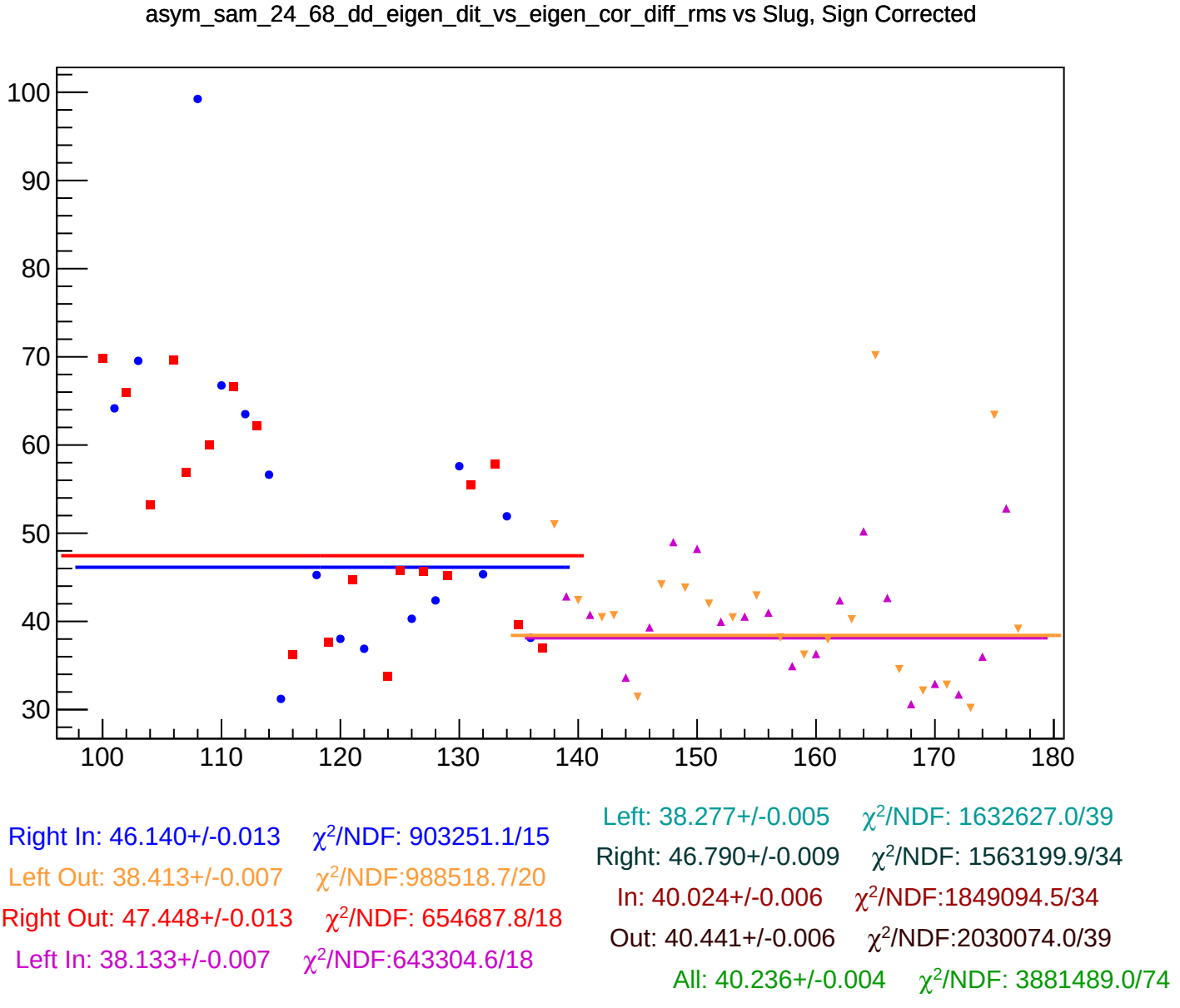
Left: 0.005+/-0.007 χ^2/NDF: 56.6/39

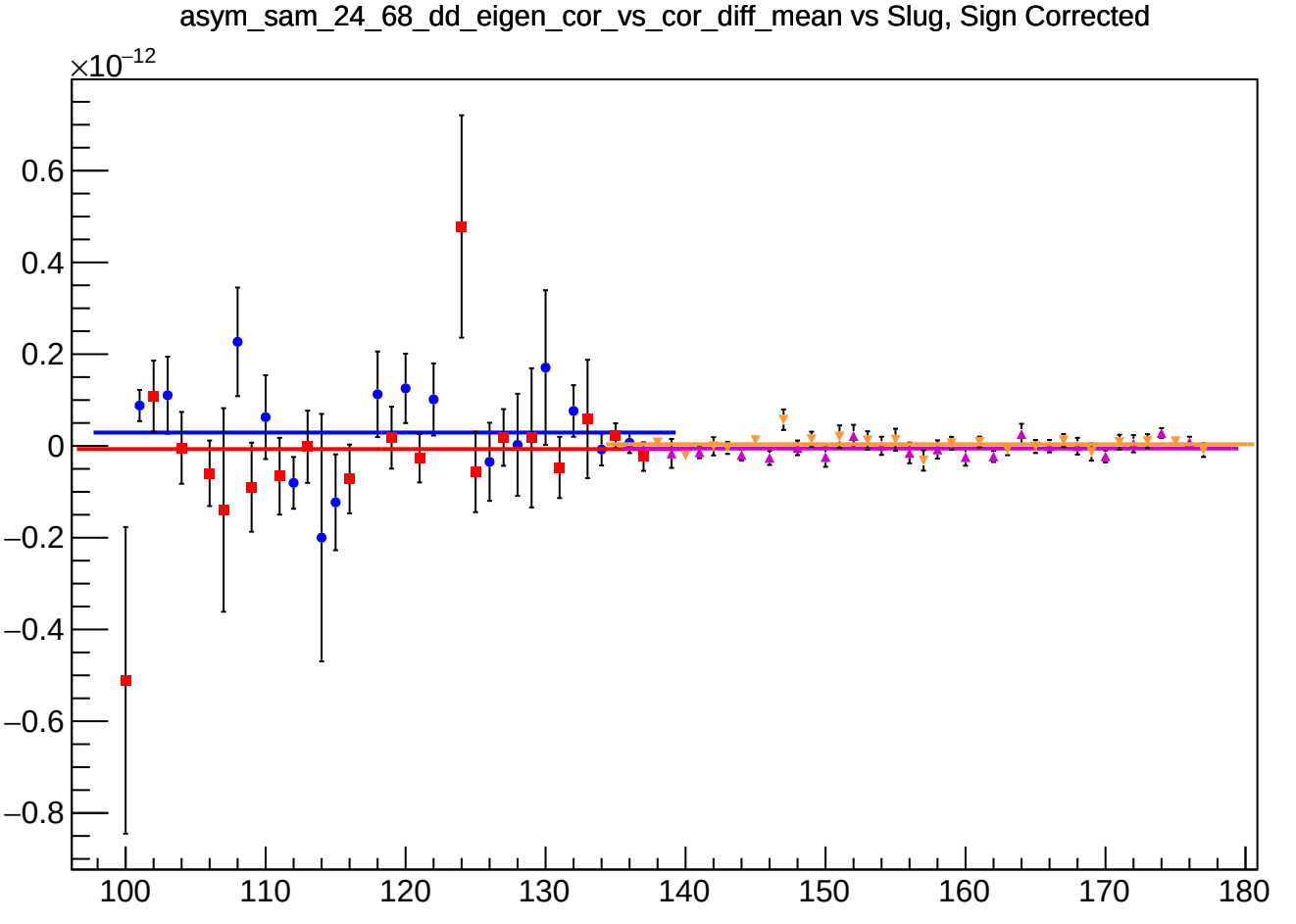
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: 0.001+/-0.009 χ^2/NDF:40.9/34

Out: 0.004+/-0.009 χ^2/NDF:44.5/39

All: 0.002+/-0.006 χ^2/NDF: 85.5/74


asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
100
90
80
70
60
50
40
30
100
110
120
130
140
150
160
170
180
Right In: 46.140+/-0.013 χ²/NDF: 903251.1/15
Left Out: 38.413+/-0.007 χ²/NDF:988518.7/20
Right Out: 47.448+/-0.013 χ²/NDF: 654687.8/18
Left In: 38.133+/-0.007 χ²/NDF:643304.6/18
Left: 38.277+/-0.005 χ²/NDF: 1632627.0/39
Right: 46.790+/-0.009 χ²/NDF: 1563199.9/34
In: 40.024+/-0.006 χ²/NDF:1849094.5/34
Out: 40.441+/-0.006 χ²/NDF:2030074.0/39
All: 40.236+/-0.004 χ²/NDF: 3881489.0/74



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.9/20

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:24.1/18

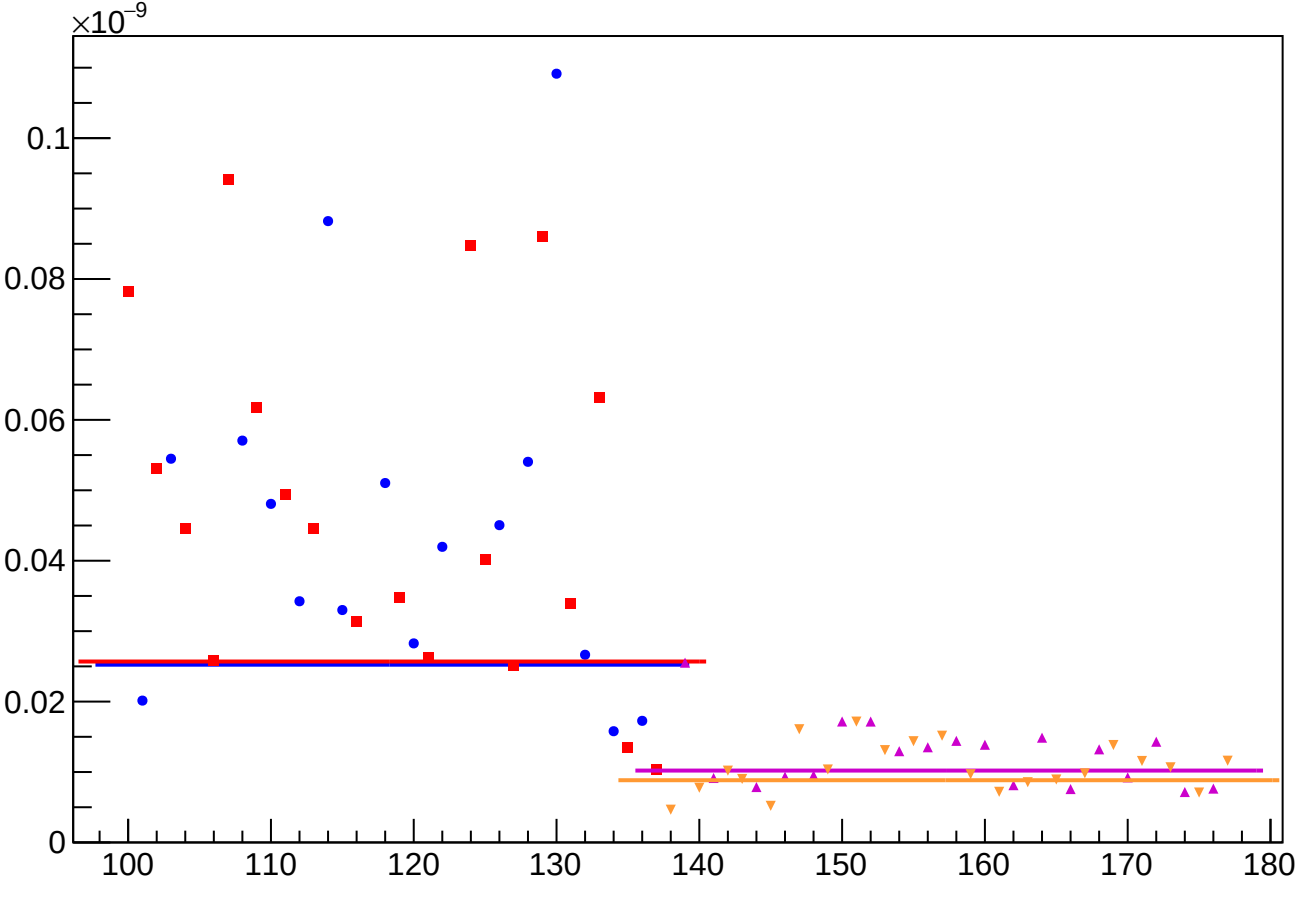
Left: -0.000+/-0.000 χ^2/NDF: 48.0/39

Right: 0.000+/-0.000 χ^2/NDF: 38.5/34

In: -0.000+/-0.000 χ^2/NDF:51.2/34

Out: 0.000+/-0.000 χ^2/NDF:34.7/39

All: 0.000+/-0.000 χ^2/NDF: 88.0/74



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1925714.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1829401.8/18

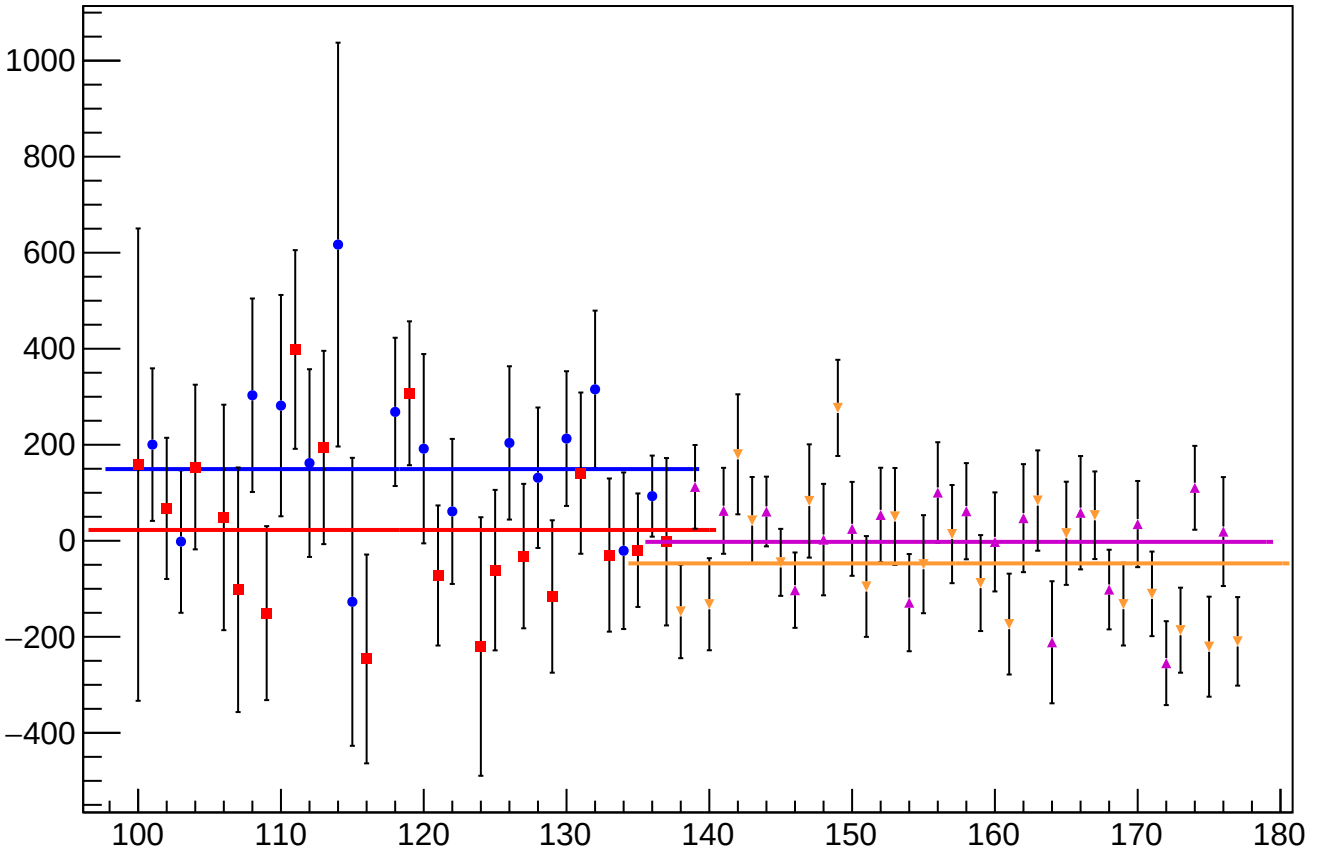
Left: 0.000+/-0.000 χ^2/NDF: 3924379.6/39

Right: 0.000+/-0.000 χ^2/NDF: 4909837.4/34

In: 0.000+/-0.000 χ^2/NDF:6258277.8/34

Out: 0.000+/-0.000 χ^2/NDF:7358749.4/39

All: 0.000+/-0.000 χ^2/NDF: 13872008.9/74



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: -47.053+/-21.094 χ^2/NDF:33.9/20

Right Out: 22.549+/-40.100 χ^2/NDF: 14.2/18

Left In: -2.257+/-21.847 χ^2/NDF:22.8/18

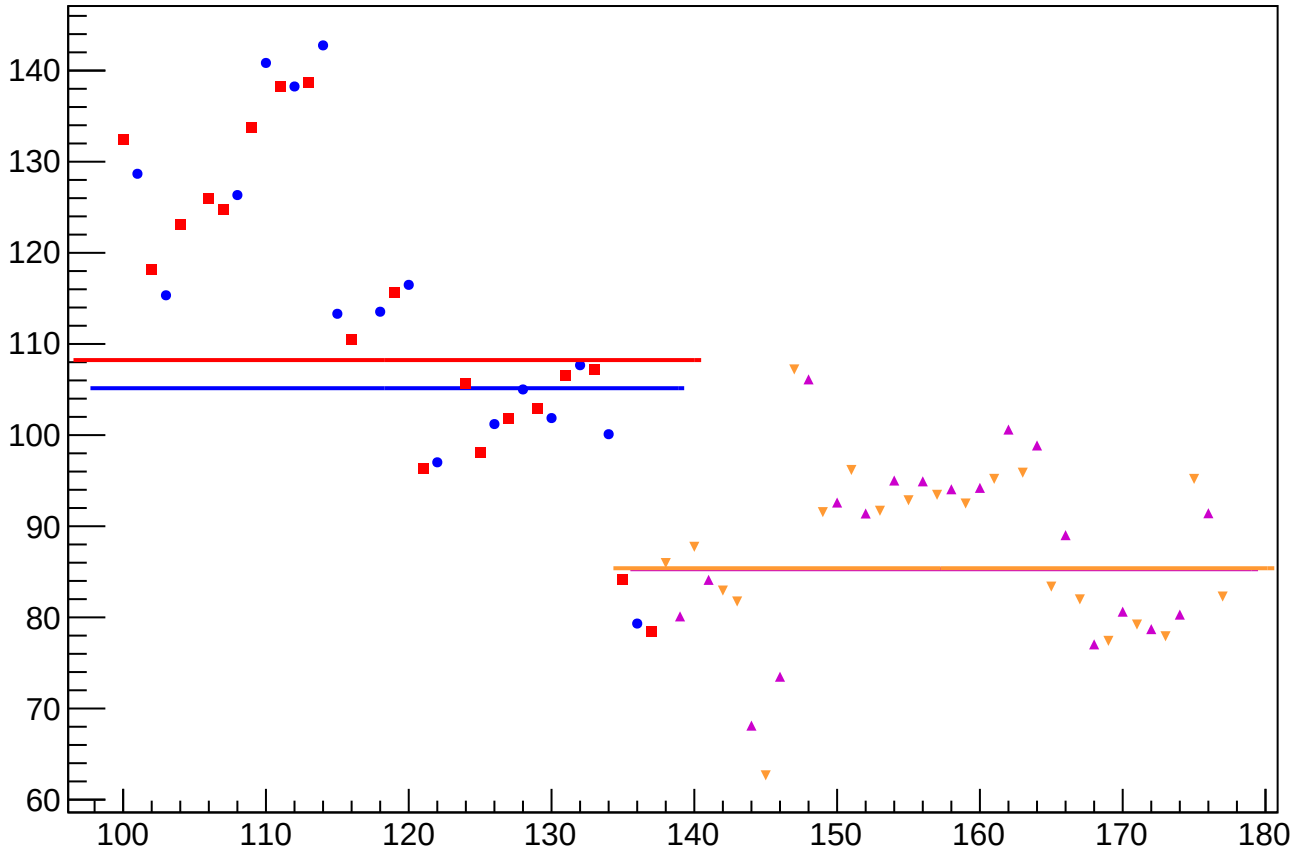
Left: -25.440+/-15.175 χ^2/NDF: 58.8/39

Right: 86.583+/-28.208 χ^2/NDF: 27.3/34

In: 32.989+/-19.139 χ^2/NDF:42.0/34

Out: -31.968+/-18.668 χ^2/NDF:50.4/39

All: -0.297+/-13.364 χ^2/NDF: 98.4/74



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 85.391+/-0.015 χ^2/NDF:457747.0/20

Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 85.283+/-0.015 χ^2/NDF:424213.2/18

Left: 85.339+/-0.011 χ^2/NDF: 881985.5/39

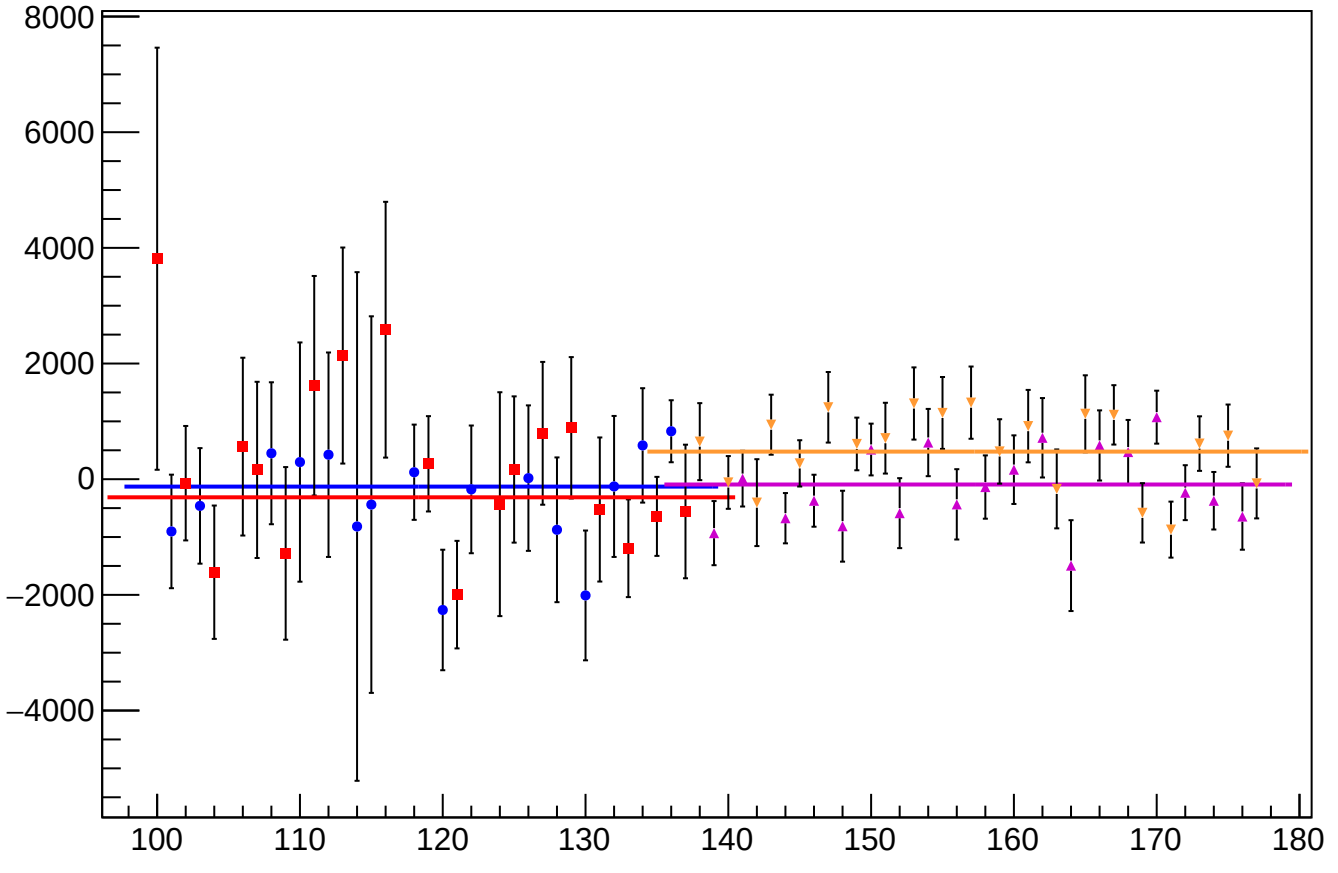
Right: 106.674+/-0.020 χ^2/NDF: 764328.3/34

In: 89.902+/-0.014 χ^2/NDF:1217102.3/34

Out: 90.342+/-0.013 χ^2/NDF:1315952.9/39

All: 90.128+/-0.009 χ^2/NDF: 2533595.4/74

asym_sam_26_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -128.056+/-268.611 χ^2/NDF: 12.3/15

Left Out: 477.192+/-120.033 χ^2/NDF:27.5/20

Right Out: -313.031+/-270.131 χ^2/NDF: 15.0/18

Left In: -91.793+/-123.073 χ^2/NDF:25.1/18

Left: 199.813+/-85.931 χ^2/NDF: 63.6/39

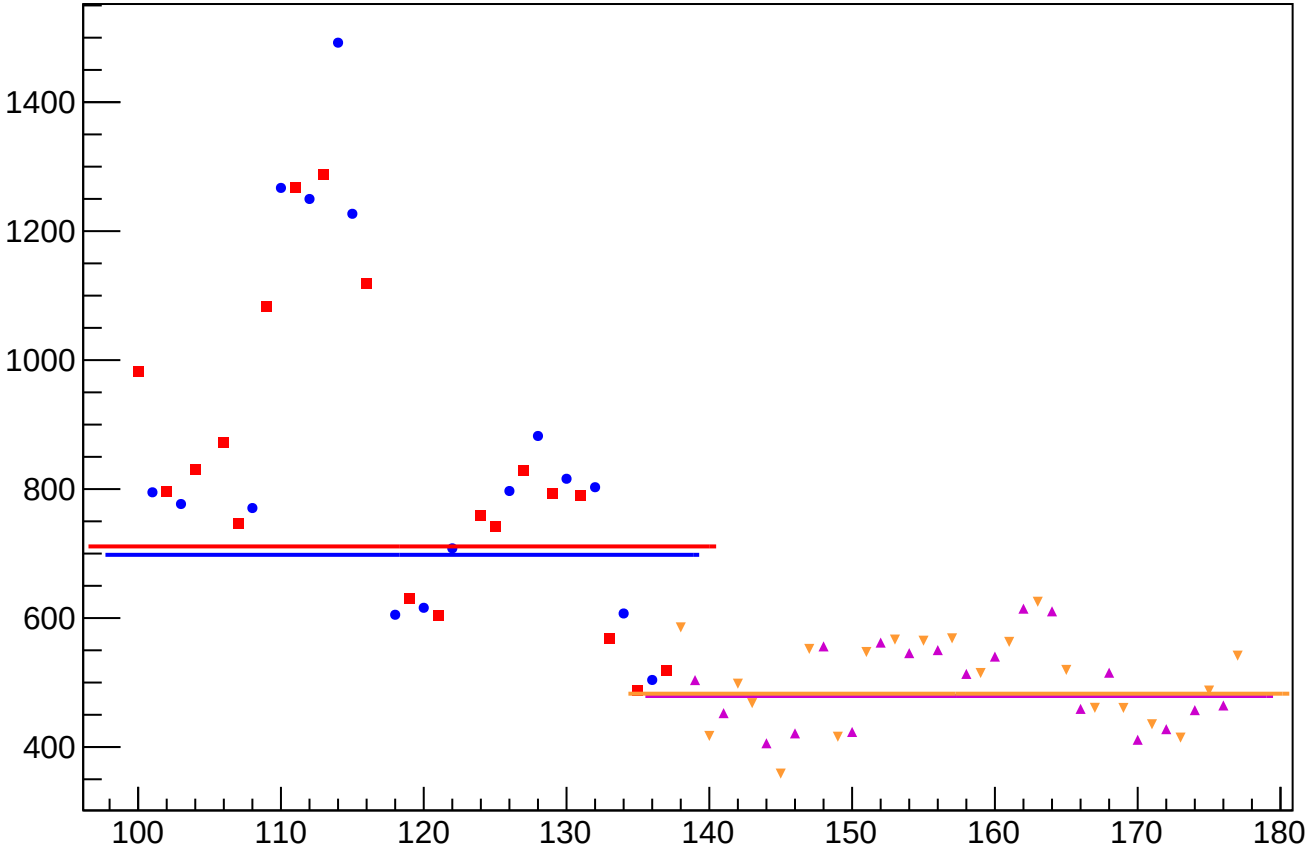
Right: -220.022+/-190.472 χ^2/NDF: 27.5/34

In: -98.085+/-111.887 χ^2/NDF:37.4/34

Out: 346.892+/-109.691 χ^2/NDF:49.7/39

All: 128.813+/-78.328 χ^2/NDF: 95.2/74

asym_sam_26_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 482.716+/-0.085 χ^2/NDF:703710.4/20

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

Left In: 479.141+/-0.087 χ^2/NDF:499618.4/18

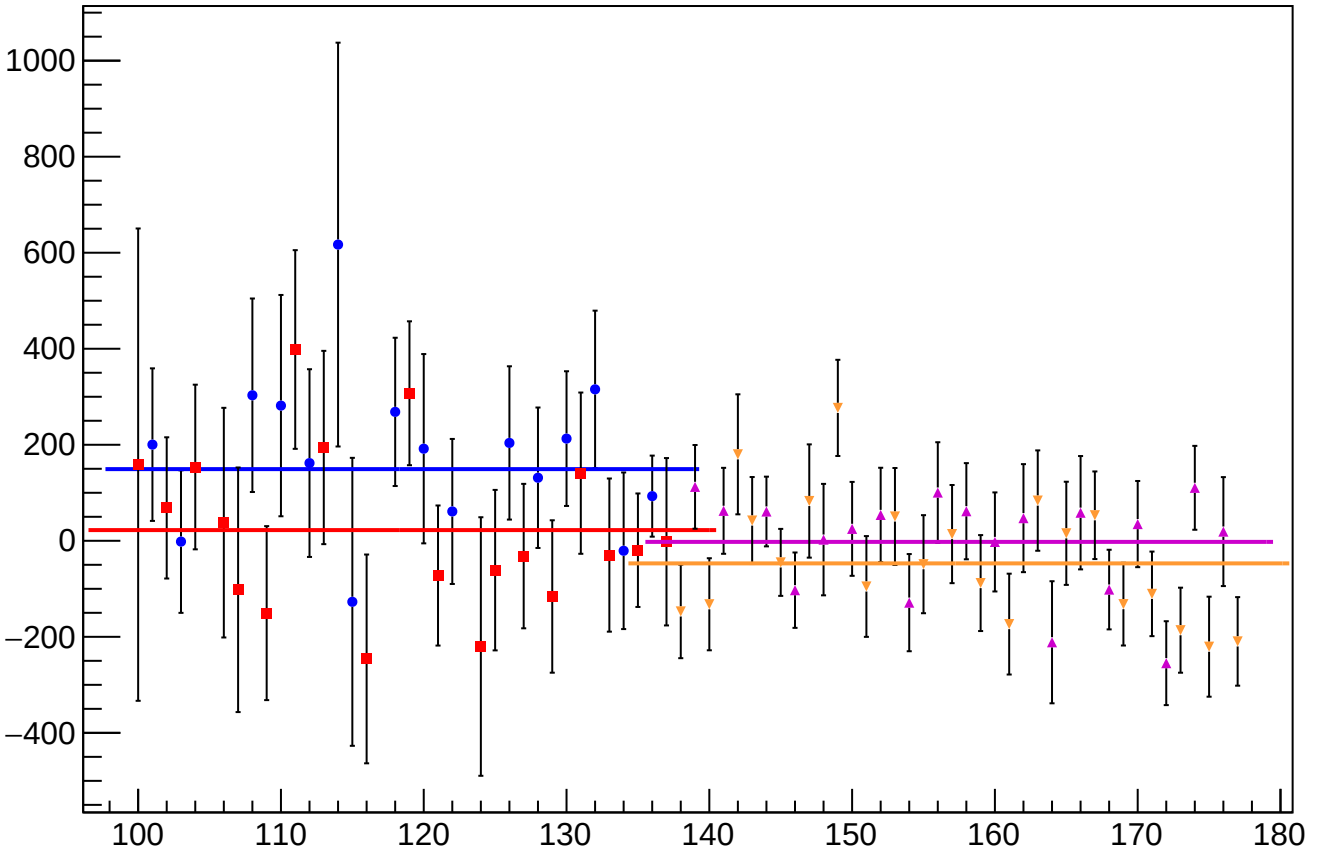
Left: 480.973+/-0.061 χ^2/NDF: 1204193.6/39

Right: 704.534+/-0.135 χ^2/NDF: 1950310.9/34

In: 517.124+/-0.079 χ^2/NDF:2510381.2/34

Out: 520.372+/-0.078 χ^2/NDF:2932569.7/39

All: 518.780+/-0.055 χ^2/NDF: 5443810.6/74



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -47.057+/-21.094 χ^2/NDF:33.9/20

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: -2.257+/-21.847 χ^2/NDF:22.8/18

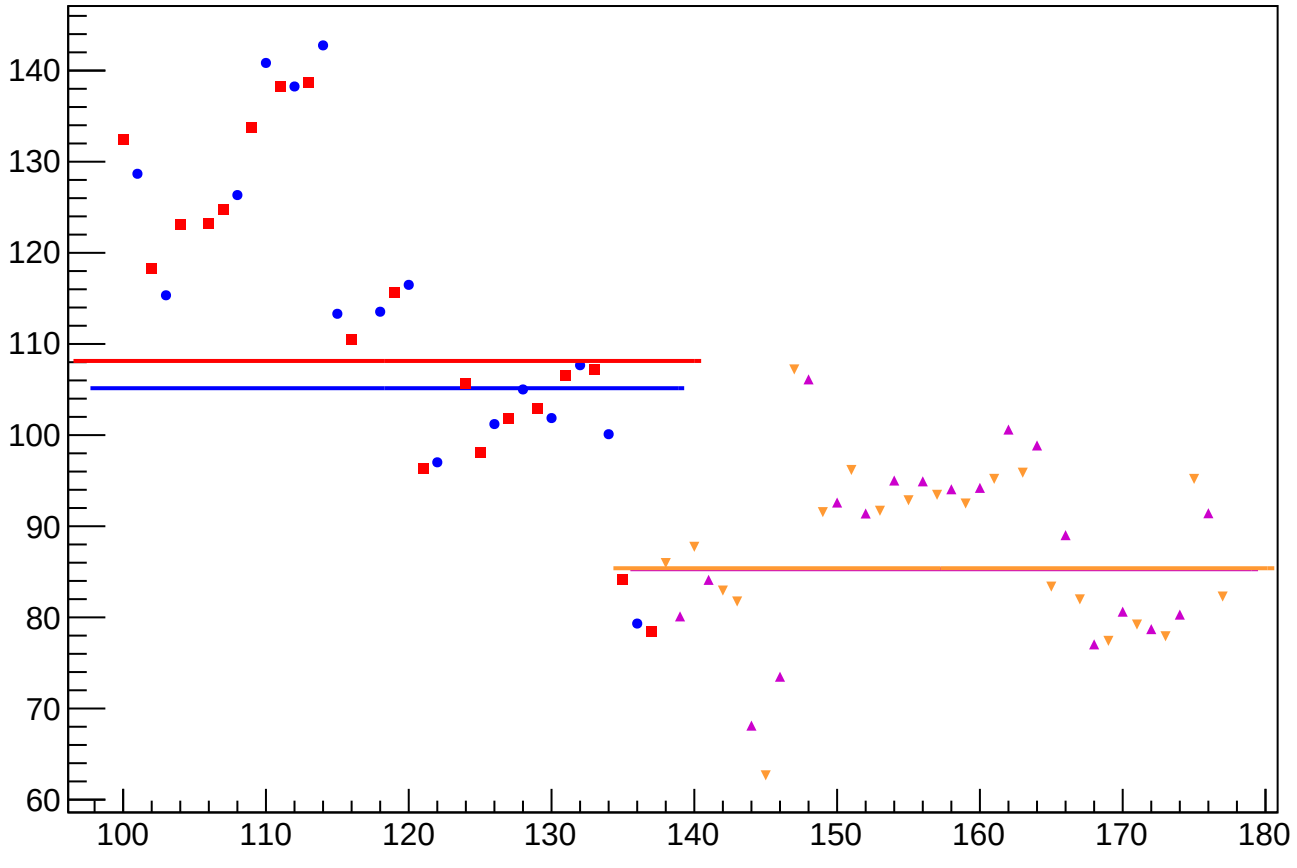
Left: -25.443+/-15.175 χ^2/NDF: 58.9/39

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 32.987+/-19.139 χ^2/NDF:42.0/34

Out: -32.039+/-18.671 χ^2/NDF:50.4/39

All: -0.331+/-13.365 χ^2/NDF: 98.4/74



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 85.391+/-0.015 χ^2/NDF:457746.9/20

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 85.283+/-0.015 χ^2/NDF:424213.2/18

Left: 85.339+/-0.011 χ^2/NDF: 881985.5/39

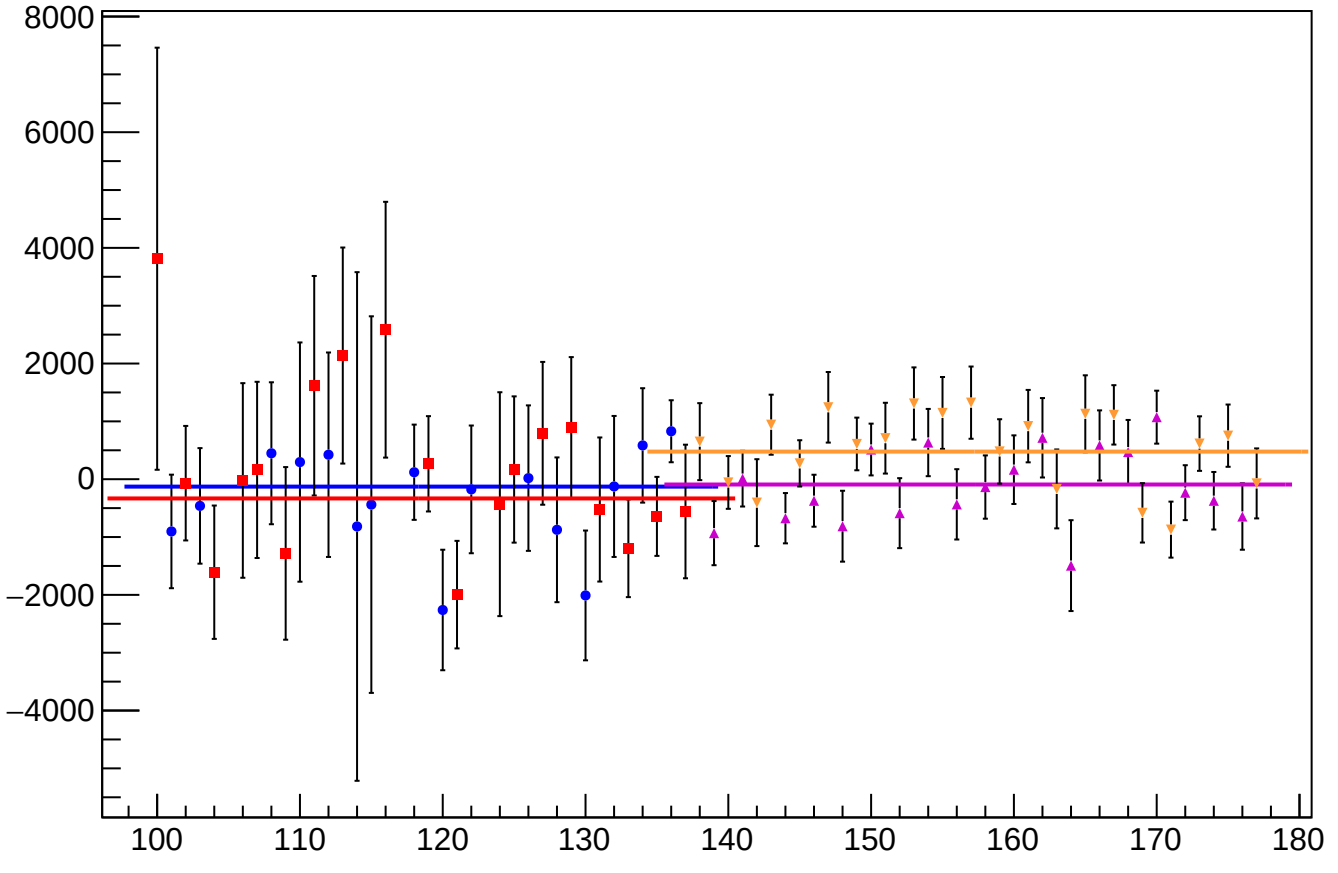
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 89.902+/-0.014 χ^2/NDF:1217102.7/34

Out: 90.317+/-0.013 χ^2/NDF:1307623.5/39

All: 90.115+/-0.009 χ^2/NDF: 2525206.2/74

asym_sam_26_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 477.191+/-120.033 χ^2/NDF:27.5/20

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -91.793+/-123.073 χ^2/NDF:25.1/18

Left: 199.812+/-85.931 χ^2/NDF: 63.6/39

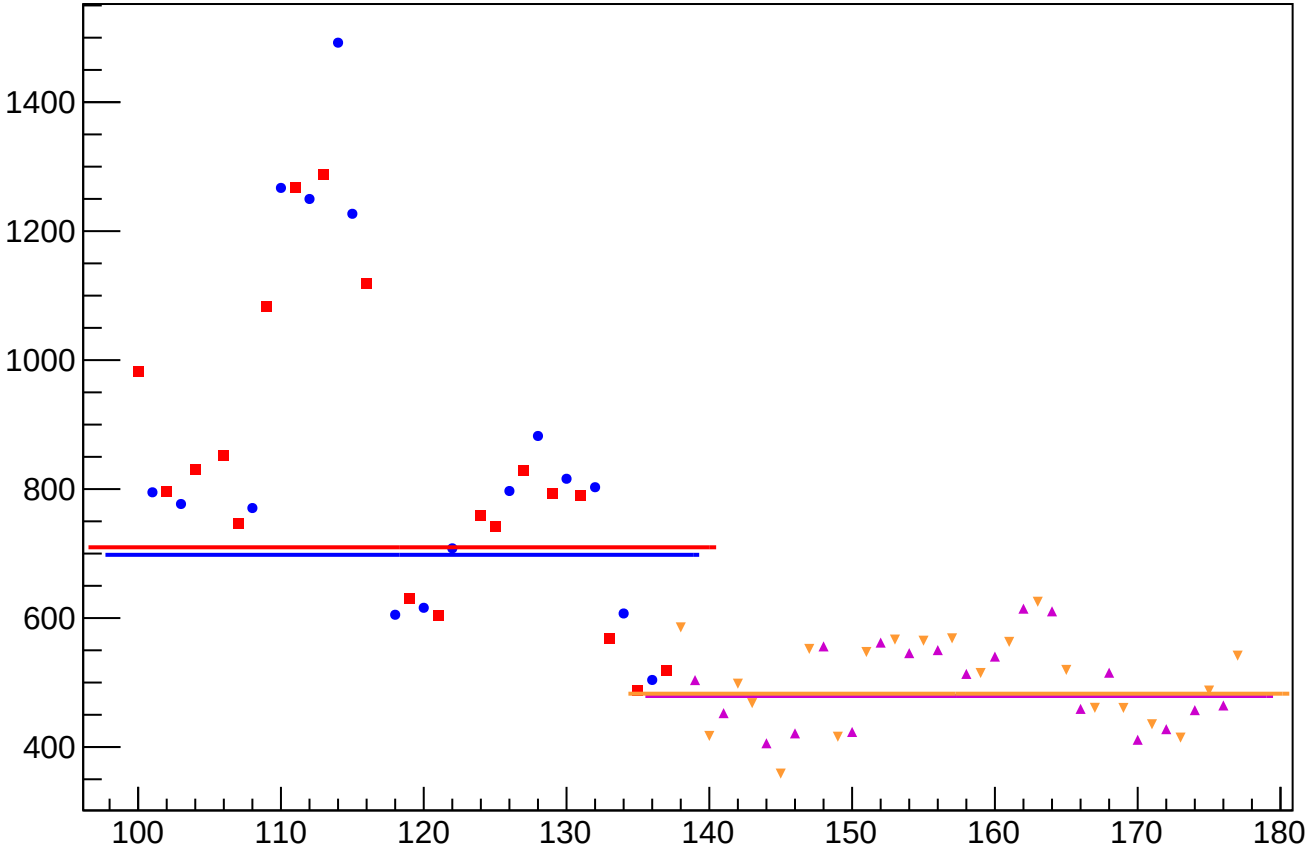
Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -98.084+/-111.887 χ^2/NDF:37.4/34

Out: 344.234+/-109.738 χ^2/NDF:49.7/39

All: 127.364+/-78.345 χ^2/NDF: 95.1/74

asym_sam_26_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 482.716+/-0.085 χ^2/NDF:703708.0/20

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 479.141+/-0.087 χ^2/NDF:499621.3/18

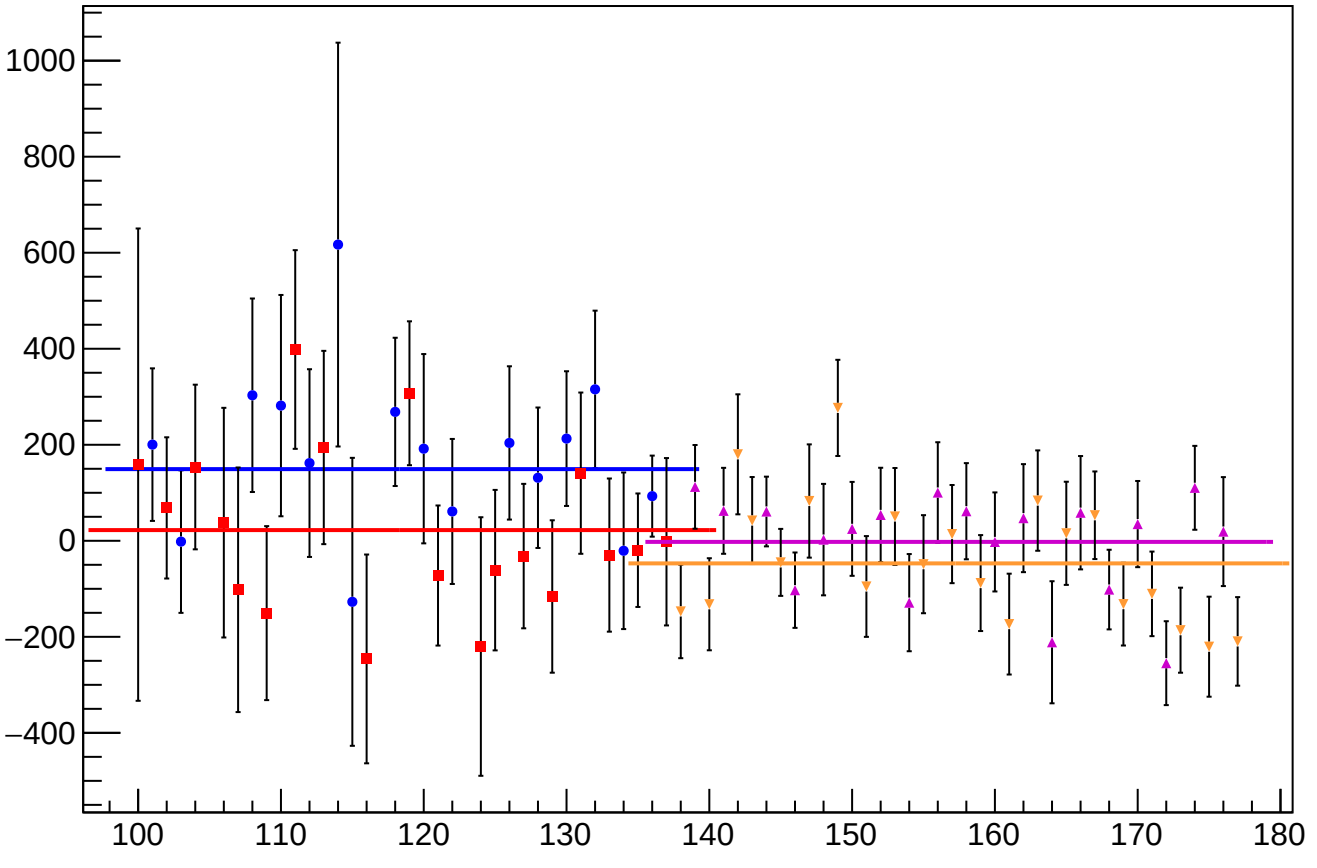
Left: 480.973+/-0.061 χ^2/NDF: 1204194.2/39

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 517.124+/-0.079 χ^2/NDF:2510397.6/34

Out: 519.989+/-0.078 χ^2/NDF:2905477.7/39

All: 518.584+/-0.055 χ^2/NDF: 5416543.7/74



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -47.057+/-21.094 χ^2/NDF:33.9/20

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: -2.257+/-21.847 χ^2/NDF:22.8/18

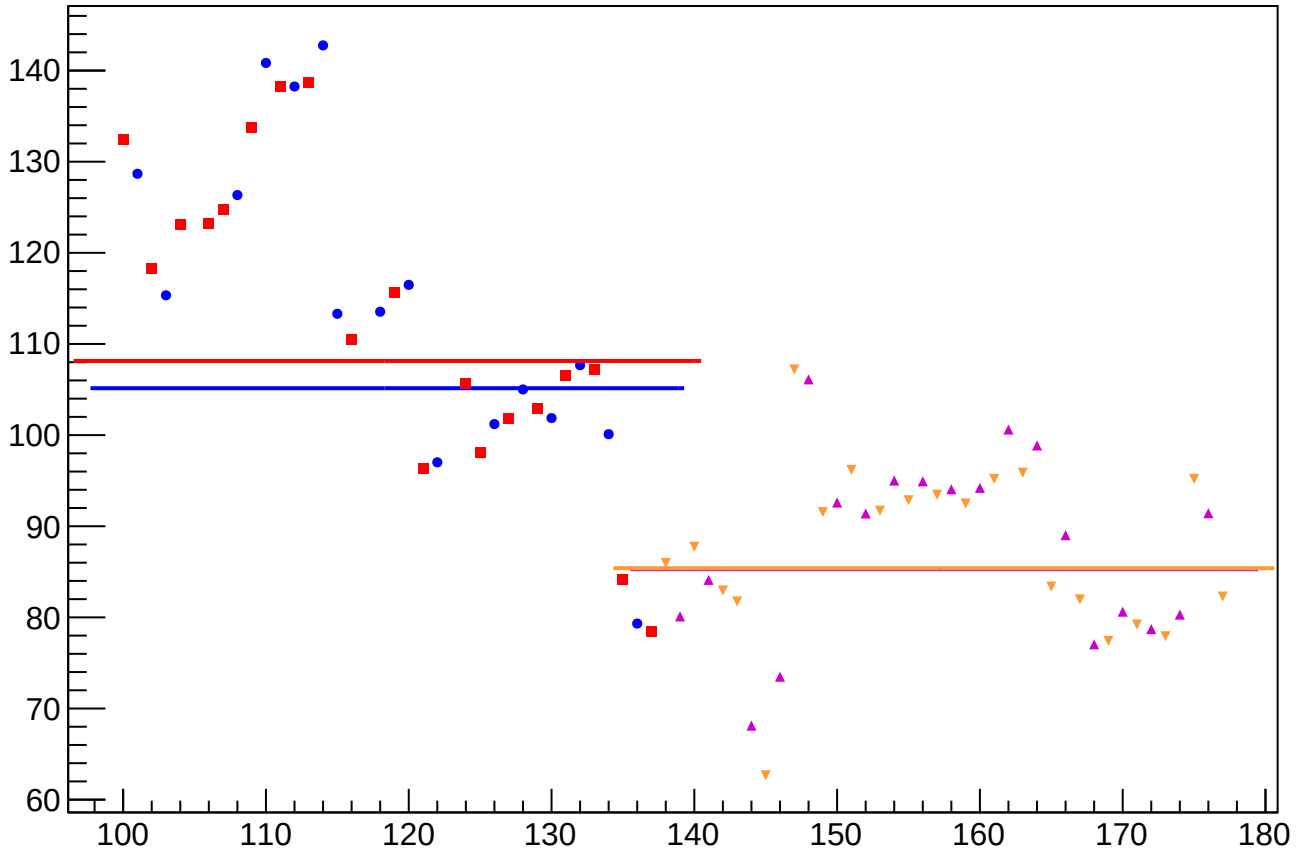
Left: -25.443+/-15.175 χ^2/NDF: 58.9/39

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 32.987+/-19.139 χ^2/NDF:42.0/34

Out: -32.039+/-18.671 χ^2/NDF:50.4/39

All: -0.331+/-13.365 χ^2/NDF: 98.4/74



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 85.391+/-0.015 χ^2/NDF:457746.9/20

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 85.283+/-0.015 χ^2/NDF:424213.2/18

Left: 85.339+/-0.011 χ^2/NDF: 881985.5/39

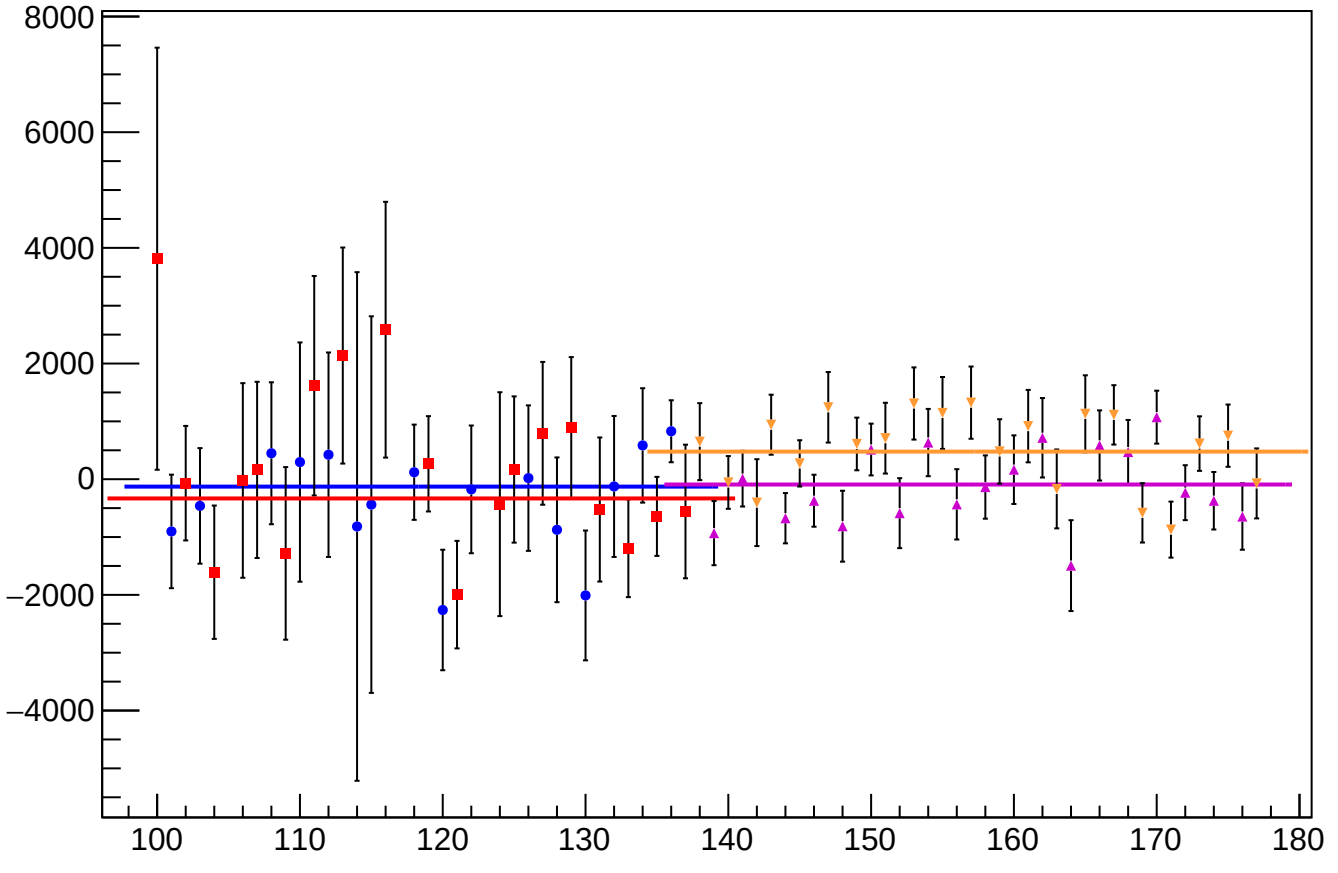
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 89.902+/-0.014 χ^2/NDF:1217102.7/34

Out: 90.317+/-0.013 χ^2/NDF:1307623.5/39

All: 90.115+/-0.009 χ^2/NDF: 2525206.2/74

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: 477.191+/-120.033 χ^2/NDF:27.5/20

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -91.793+/-123.073 χ^2/NDF:25.1/18

Left: 199.812+/-85.931 χ^2/NDF: 63.6/39

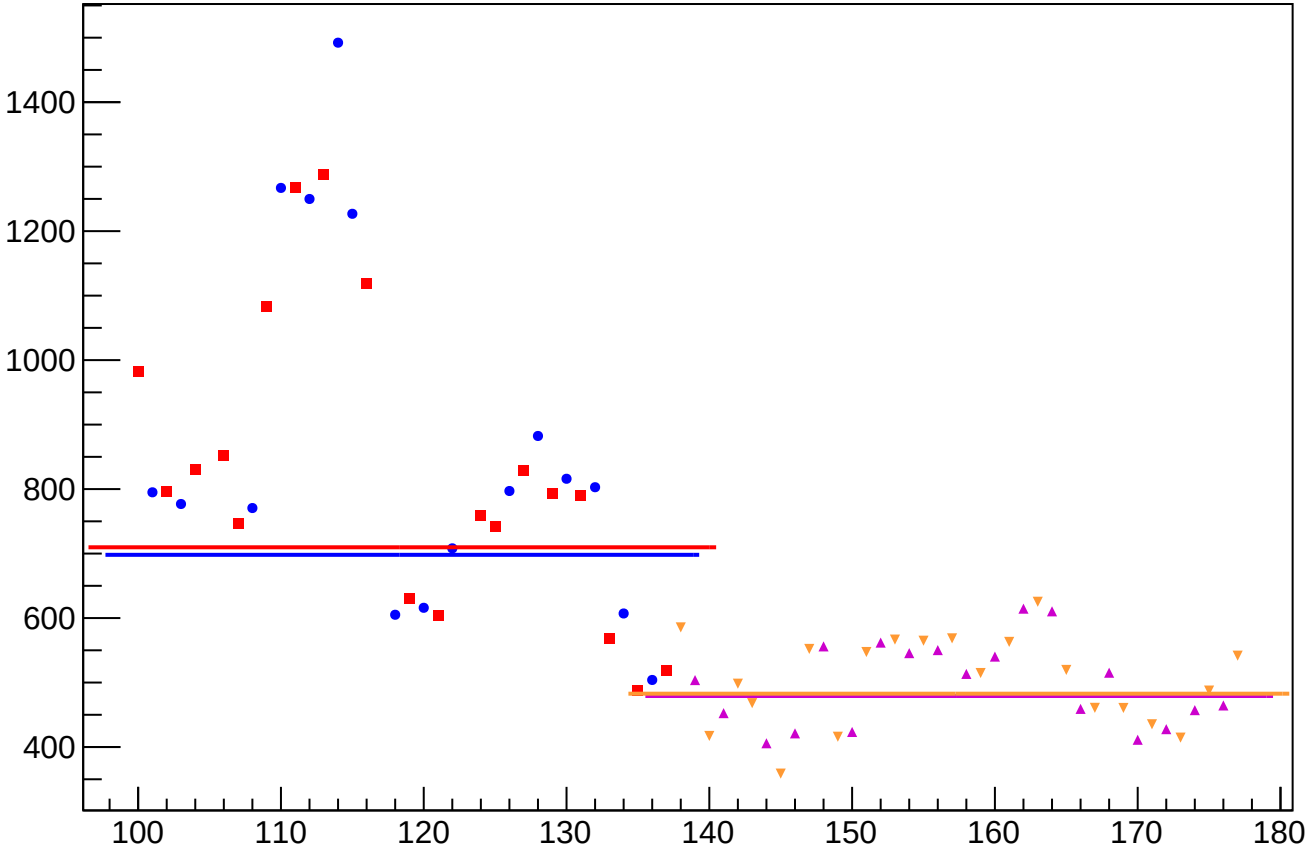
Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -98.084+/-111.887 χ^2/NDF:37.4/34

Out: 344.234+/-109.738 χ^2/NDF:49.7/39

All: 127.364+/-78.345 χ^2/NDF: 95.1/74

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: 482.716+/-0.085 χ^2/NDF:703708.0/20

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 479.141+/-0.087 χ^2/NDF:499621.3/18

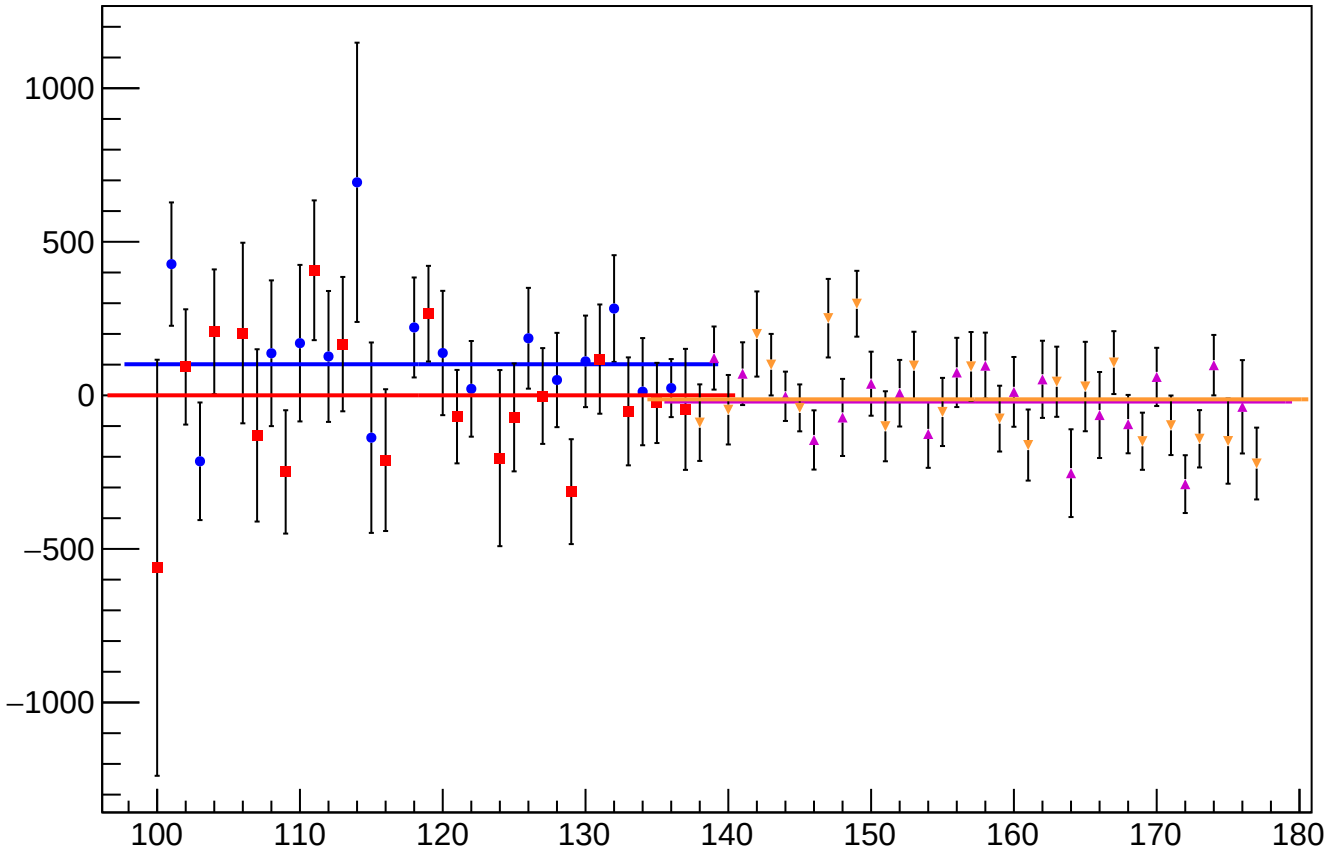
Left: 480.973+/-0.061 χ^2/NDF: 1204194.2/39

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 517.124+/-0.079 χ^2/NDF:2510397.6/34

Out: 519.989+/-0.078 χ^2/NDF:2905477.7/39

All: 518.584+/-0.055 χ^2/NDF: 5416543.7/74



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: -12.938+/-23.728 χ^2/NDF:32.2/20

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: -20.205+/-24.520 χ^2/NDF:21.9/18

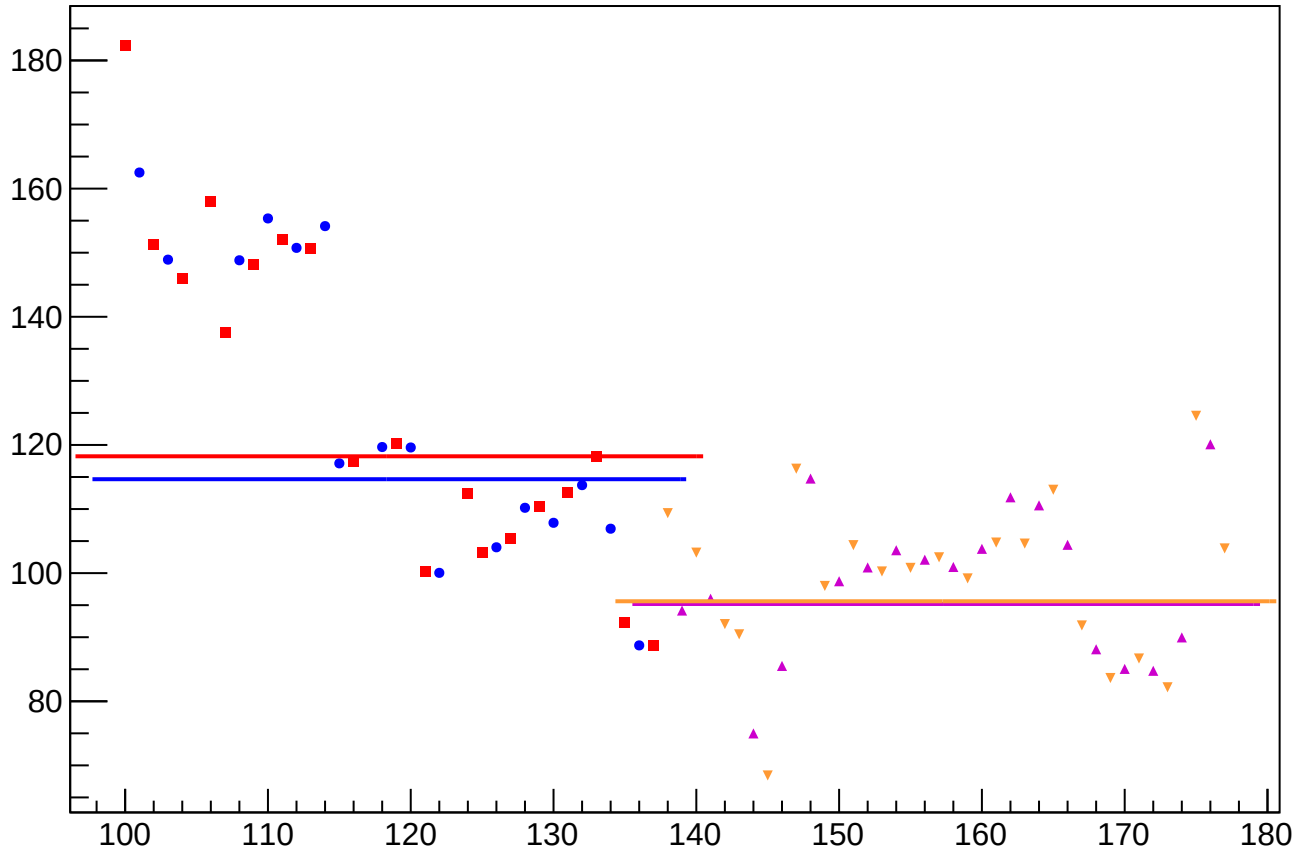
Left: -16.452+/-17.051 χ^2/NDF: 54.1/39

Right: 51.310+/-30.950 χ^2/NDF: 30.3/34

In: 9.078+/-21.361 χ^2/NDF:38.8/34

Out: -9.999+/-20.889 χ^2/NDF:48.9/39

All: -0.674+/-14.935 χ^2/NDF: 88.1/74



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 95.609+/-0.017 χ^2/NDF:620648.5/20

Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 95.185+/-0.017 χ^2/NDF:424511.7/18

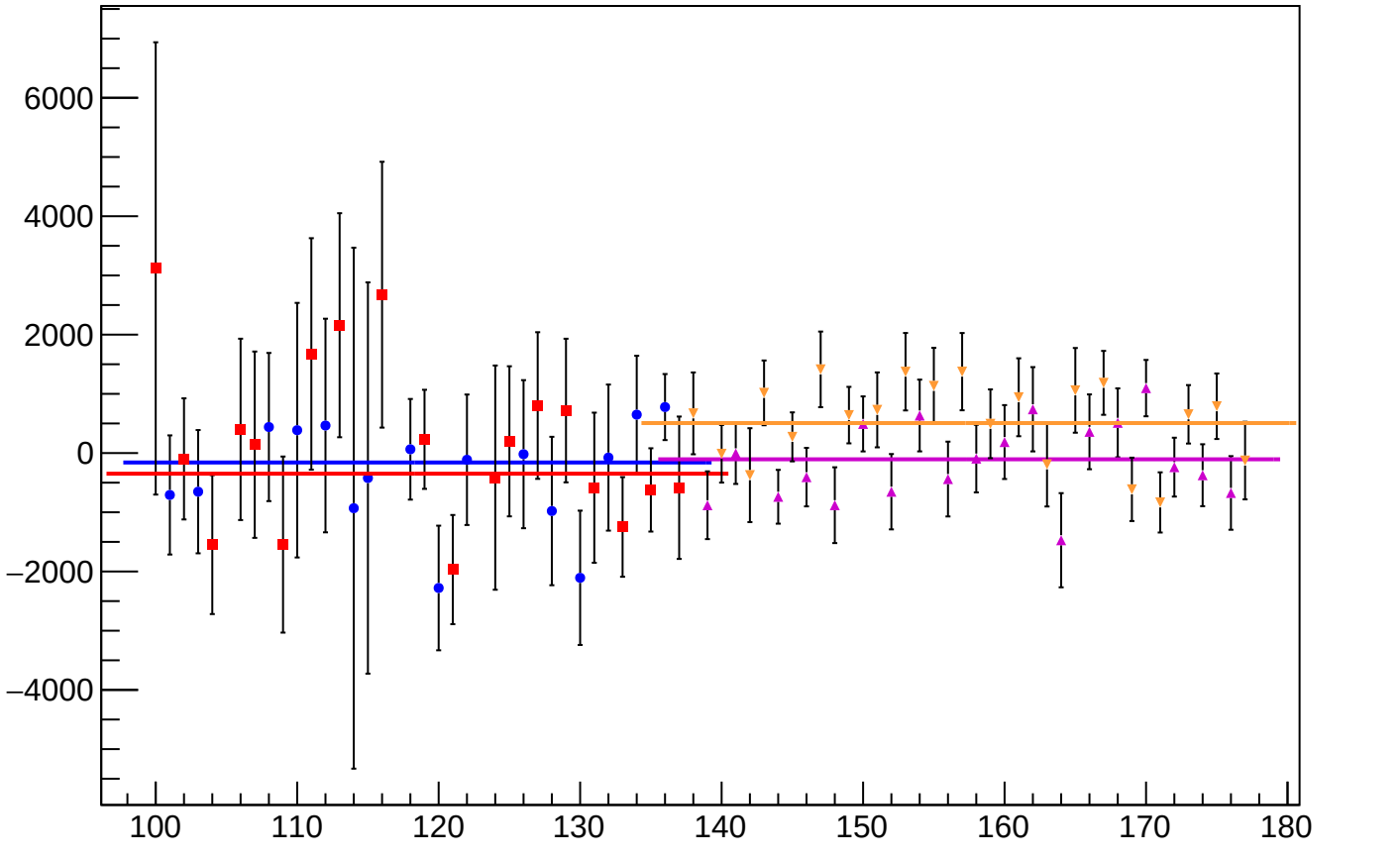
Left: 95.404+/-0.012 χ^2/NDF: 1045468.9/39

Right: 116.421+/-0.022 χ^2/NDF: 1022057.2/34

In: 99.878+/-0.015 χ^2/NDF:1260436.3/34

Out: 100.699+/-0.015 χ^2/NDF:1513109.0/39

All: 100.298+/-0.011 χ^2/NDF: 2775056.7/74



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 506.943+/-125.735 χ^2/NDF:26.5/20

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -105.312+/-129.232 χ^2/NDF:23.6/18

Left: 209.210+/-90.119 χ^2/NDF: 61.7/39

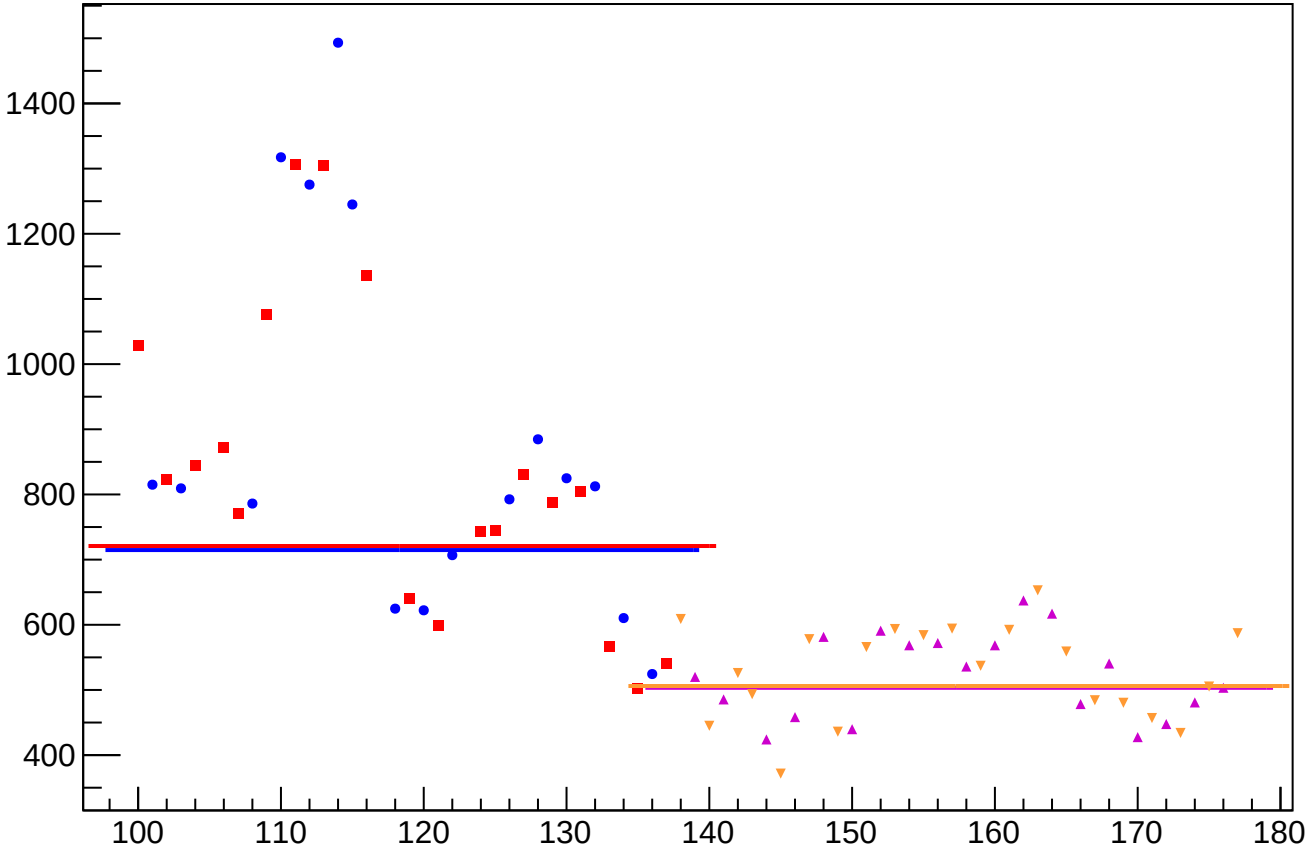
Right: -254.152+/-193.800 χ^2/NDF: 26.5/34

In: -115.069+/-116.927 χ^2/NDF:35.6/34

Out: 357.772+/-114.248 χ^2/NDF:48.9/39

All: 126.829+/-81.716 χ^2/NDF: 92.9/74

asym_sam_26_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 506.047+/-0.089 χ^2/NDF:712986.0/20

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

Left In: 503.280+/-0.091 χ^2/NDF:464370.7/18

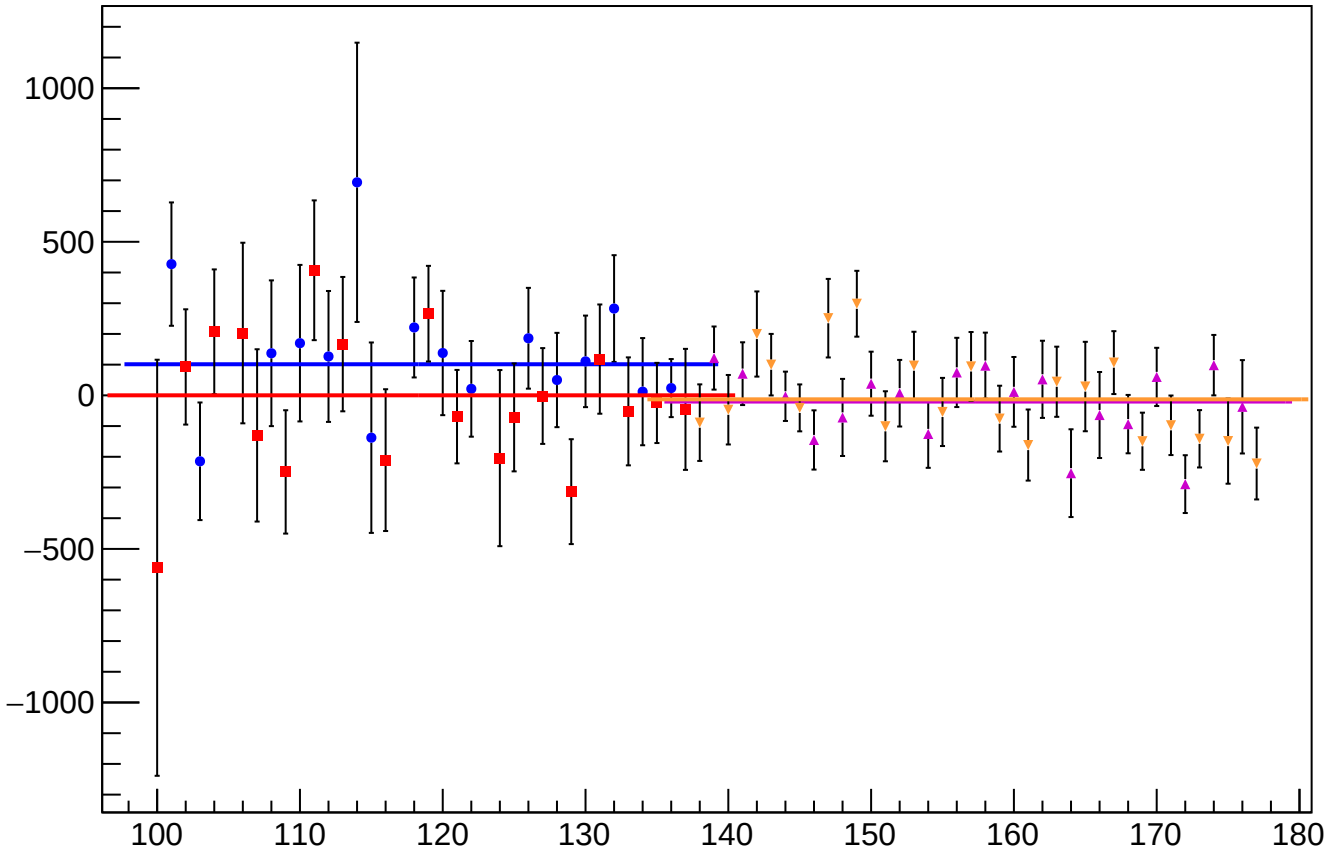
Left: 504.702+/-0.064 χ^2/NDF: 1177827.5/39

Right: 717.786+/-0.137 χ^2/NDF: 1895167.0/34

In: 541.619+/-0.083 χ^2/NDF:2311105.3/34

Out: 543.509+/-0.081 χ^2/NDF:2749585.8/39

All: 542.586+/-0.058 χ^2/NDF: 5060958.4/74



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: -12.940+/-23.728 χ^2/NDF:32.2/20

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: -20.205+/-24.520 χ^2/NDF:21.9/18

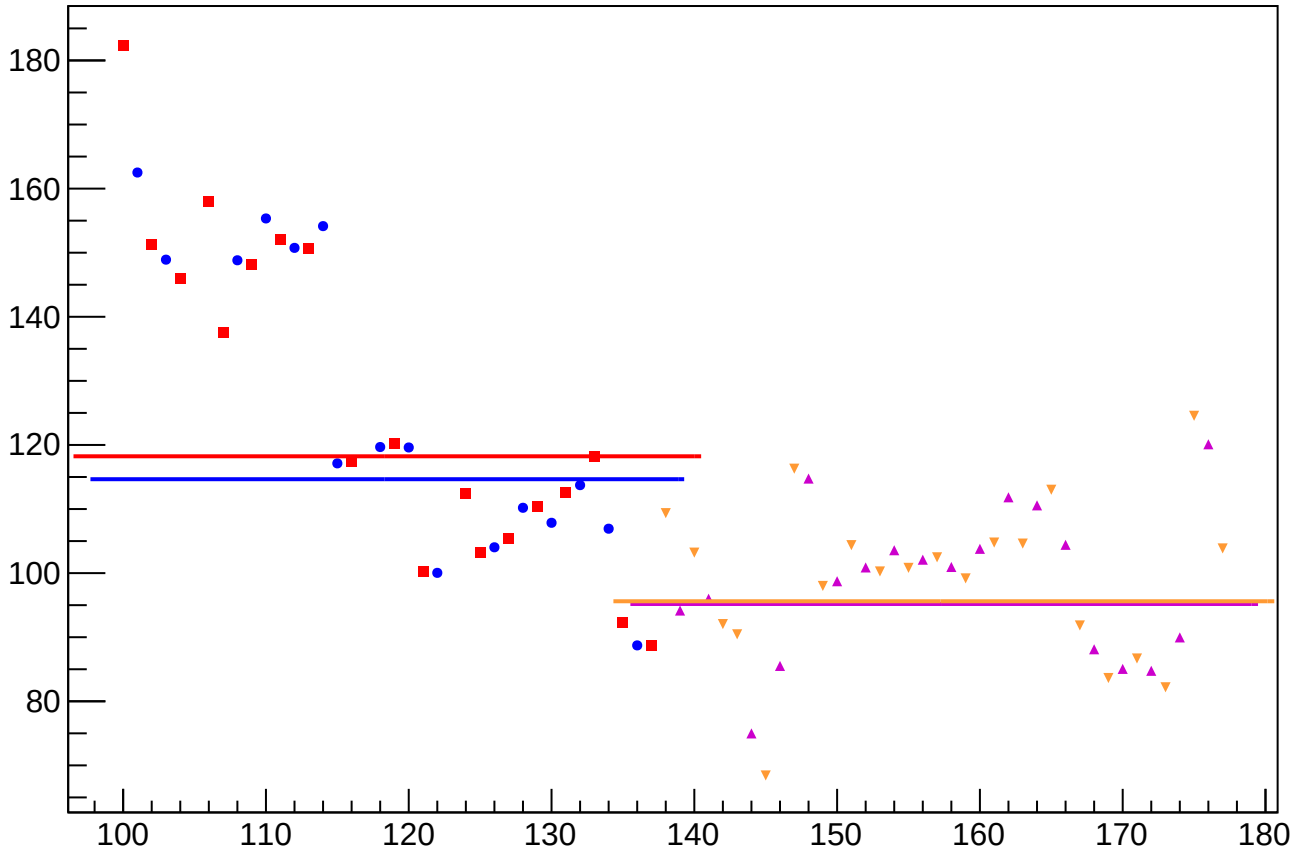
Left: -16.453+/-17.051 χ^2/NDF: 54.1/39

Right: 51.308+/-30.950 χ^2/NDF: 30.3/34

In: 9.077+/-21.361 χ^2/NDF:38.8/34

Out: -10.000+/-20.889 χ^2/NDF:48.9/39

All: -0.675+/-14.935 χ^2/NDF: 88.1/74



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 95.609+/-0.017 χ^2/NDF:620653.1/20

Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 95.185+/-0.017 χ^2/NDF:424509.3/18

Left: 95.404+/-0.012 χ^2/NDF: 1045471.0/39

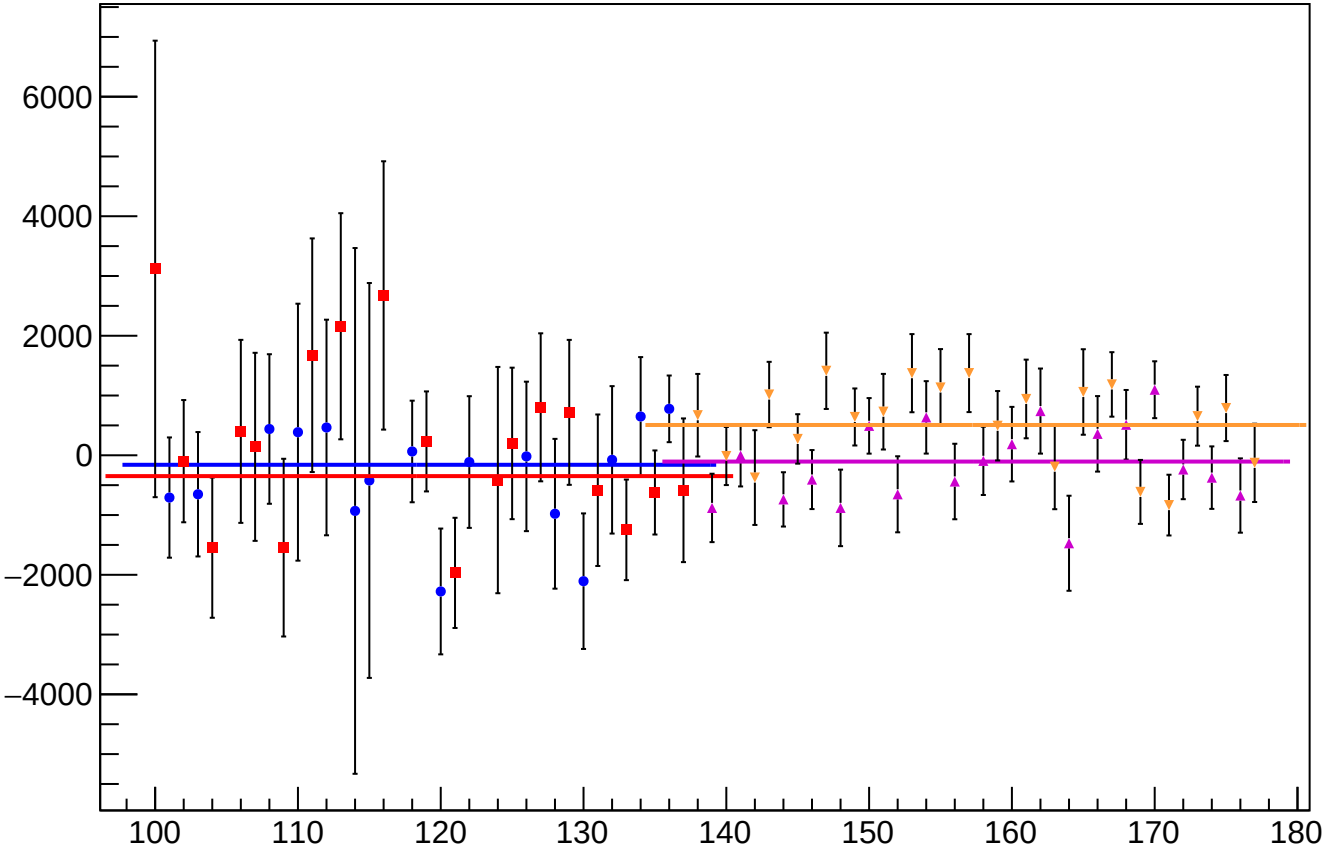
Right: 116.421+/-0.022 χ^2/NDF: 1022036.9/34

In: 99.878+/-0.015 χ^2/NDF:1260425.0/34

Out: 100.699+/-0.015 χ^2/NDF:1513108.7/39

All: 100.298+/-0.011 χ^2/NDF: 2775044.8/74

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: 506.942+/-125.735 χ^2/NDF:26.5/20

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -105.312+/-129.232 χ^2/NDF:23.6/18

Left: 209.209+/-90.119 χ^2/NDF: 61.7/39

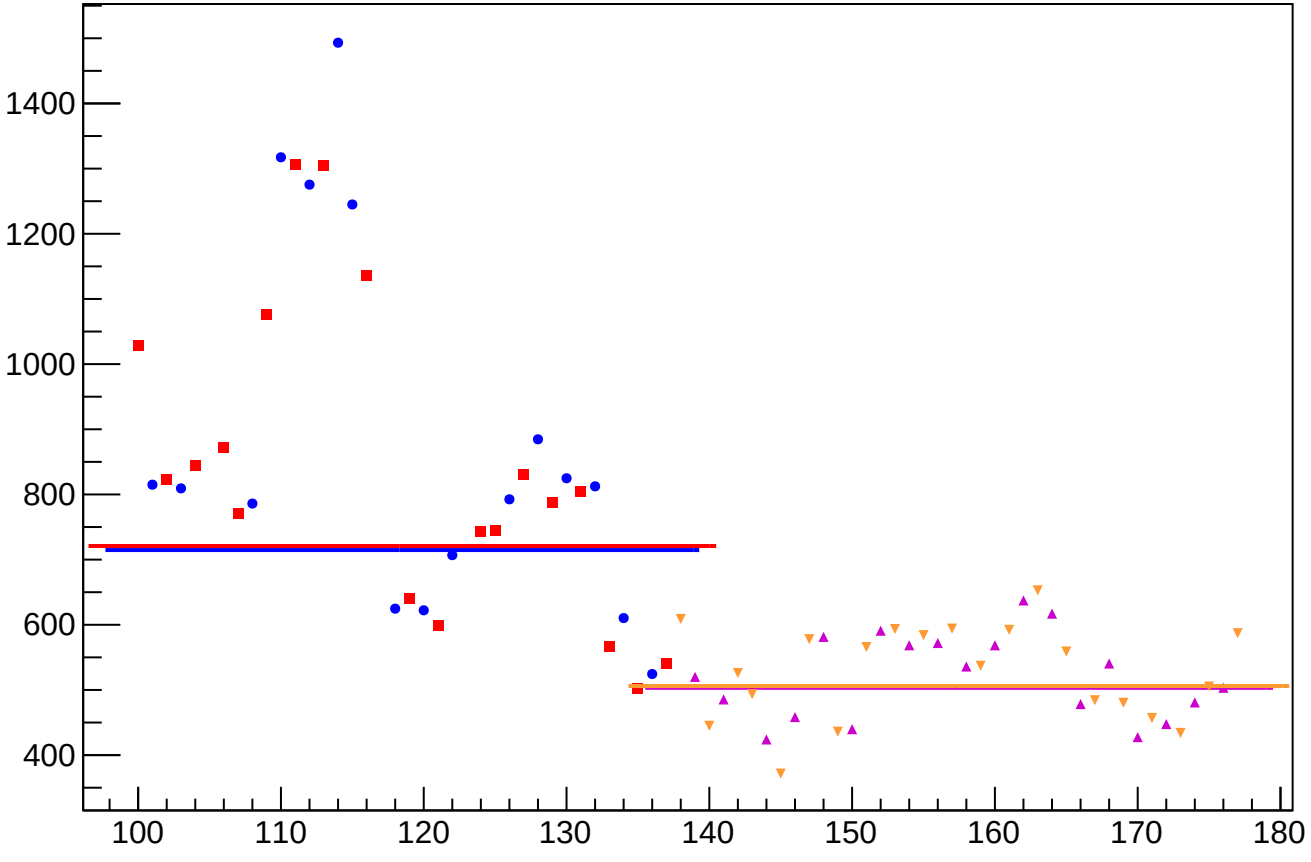
Right: -254.153+/-193.800 χ^2/NDF: 26.5/34

In: -115.069+/-116.927 χ^2/NDF:35.6/34

Out: 357.770+/-114.248 χ^2/NDF:48.9/39

All: 126.828+/-81.716 χ^2/NDF: 92.9/74

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: 506.047+/-0.089 χ^2/NDF:712986.3/20

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

Left In: 503.280+/-0.091 χ^2/NDF:464370.2/18

Left: 504.701+/-0.064 χ^2/NDF: 1177827.3/39

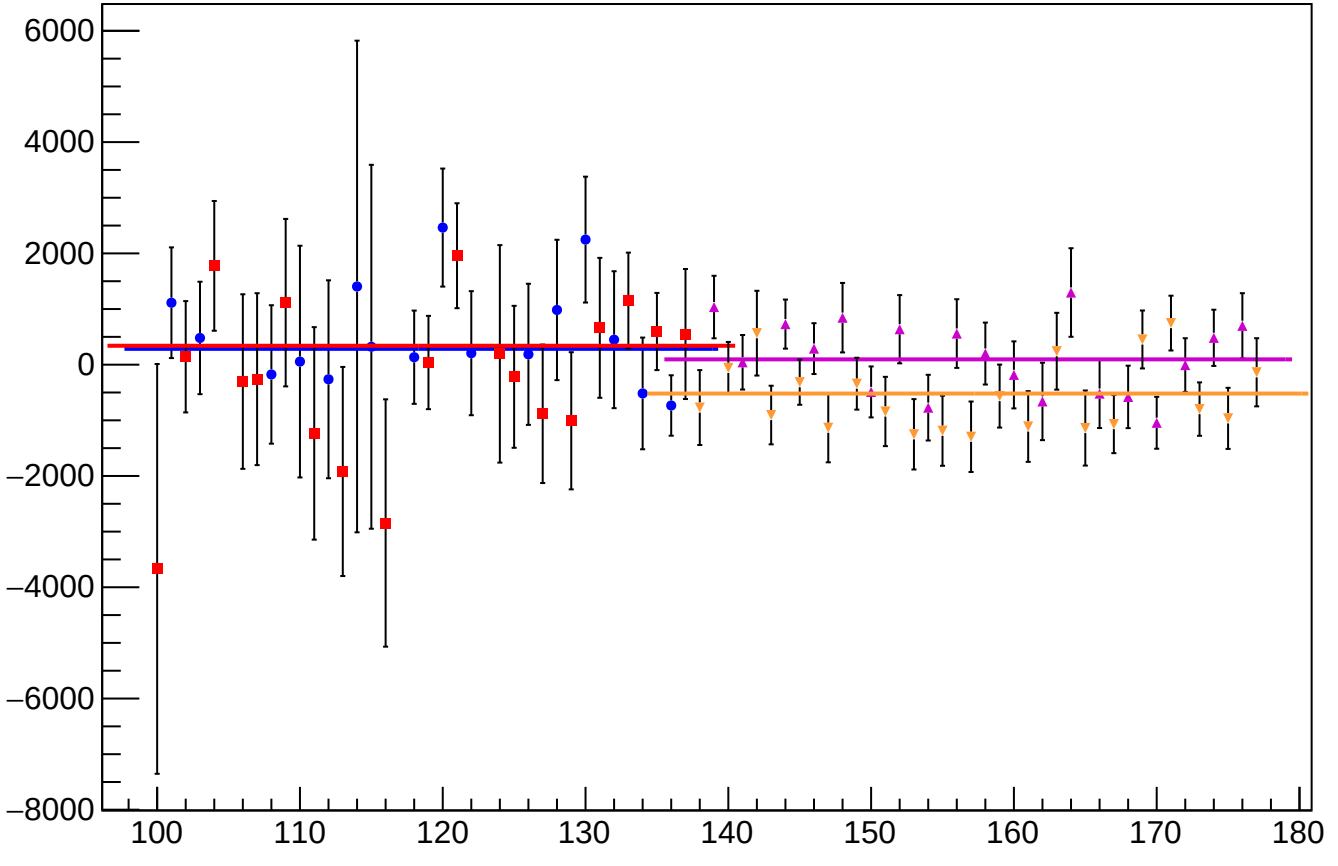
Right: 717.786+/-0.137 χ^2/NDF: 1895155.0/34

In: 541.619+/-0.083 χ^2/NDF:2311100.5/34

Out: 543.509+/-0.081 χ^2/NDF:2749580.1/39

All: 542.586+/-0.058 χ^2/NDF: 5060947.9/74

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -519.254+/-122.008 χ^2/NDF:24.8/20

Right Out: 340.018+/-273.601 χ^2/NDF: 14.1/18

Left In: 95.568+/-125.114 χ^2/NDF:25.4/18

Left: -219.569+/-87.350 χ^2/NDF: 62.6/39

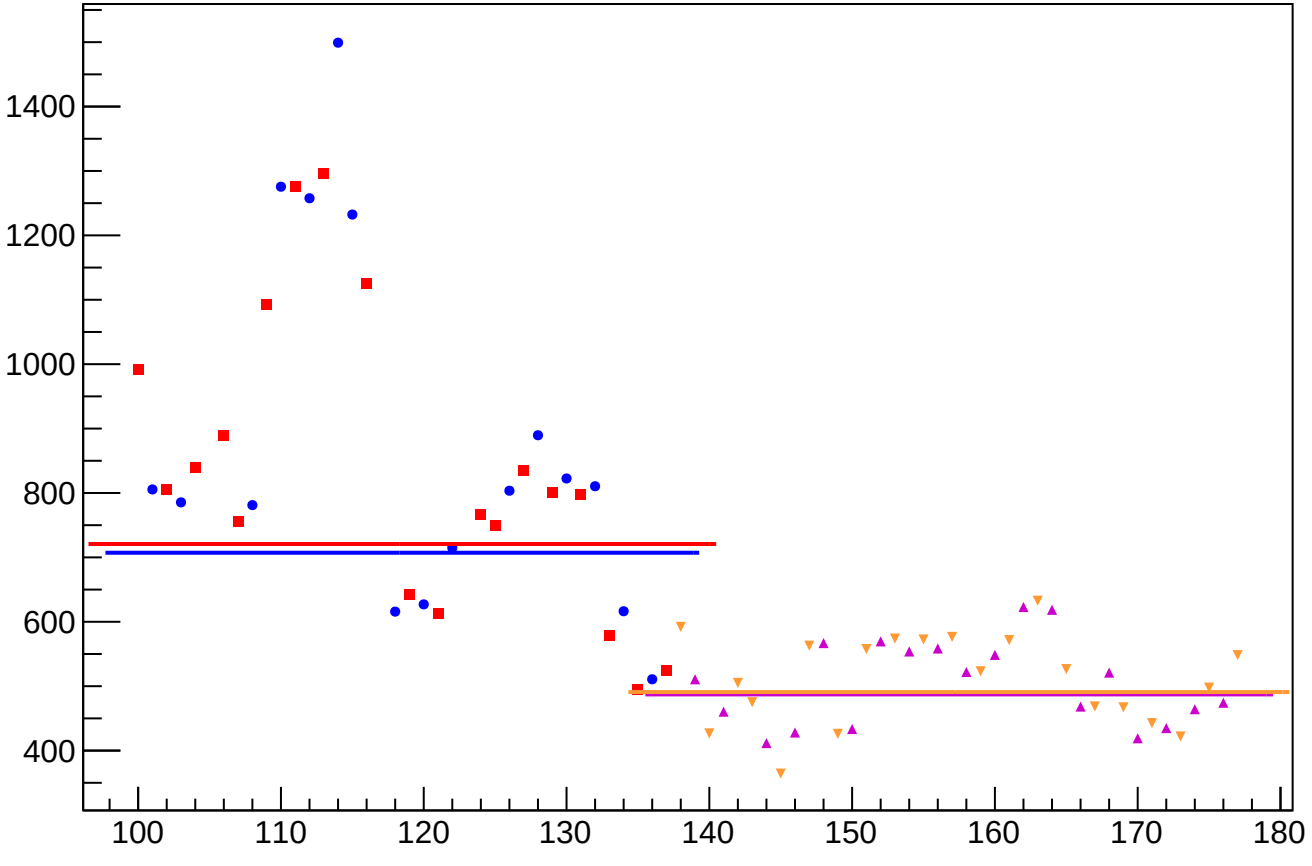
Right: 312.231+/-192.877 χ^2/NDF: 26.9/34

In: 128.622+/-113.662 χ^2/NDF:38.6/34

Out: -376.724+/-111.431 χ^2/NDF:47.1/39

All: -129.060+/-79.571 χ^2/NDF: 95.8/74

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 490.891+/-0.086 χ^2/NDF:688107.0/20

Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 487.238+/-0.088 χ^2/NDF:489475.0/18

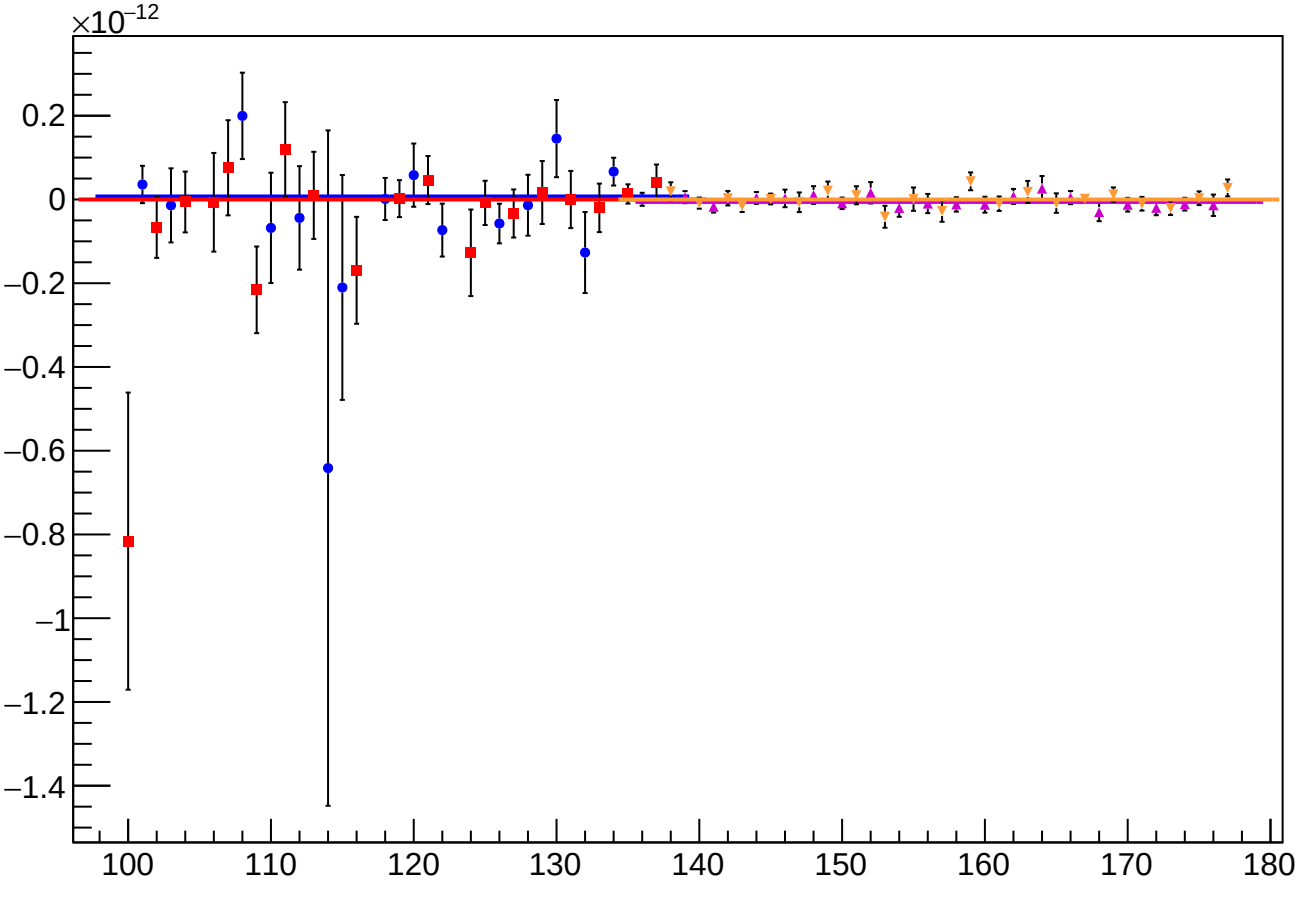
Left: 489.110+/-0.062 χ^2/NDF: 1178455.6/39

Right: 713.952+/-0.136 χ^2/NDF: 1914442.0/34

In: 525.665+/-0.080 χ^2/NDF:2466152.6/34

Out: 529.022+/-0.079 χ^2/NDF:2881141.5/39

All: 527.377+/-0.056 χ^2/NDF: 5348183.9/74



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/20

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: -0.000+/-0.000 χ^2/NDF:8.3/18

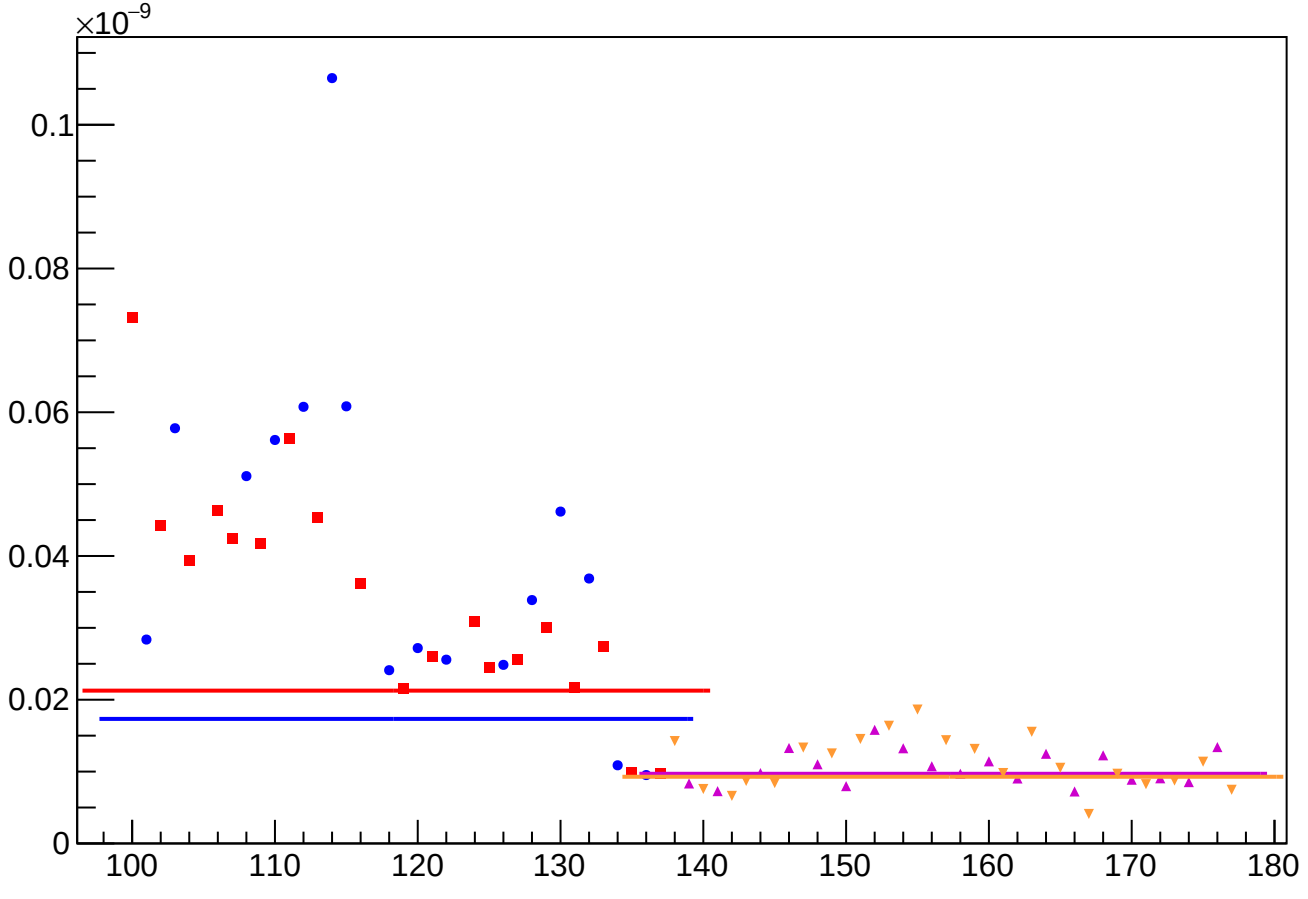
Left: -0.000+/-0.000 χ^2/NDF: 25.8/39

Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: -0.000+/-0.000 χ^2/NDF:26.8/34

Out: -0.000+/-0.000 χ^2/NDF:34.2/39

All: -0.000+/-0.000 χ^2/NDF: 61.6/74



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1735785.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

Left In: 0.000+/-0.000 χ^2/NDF:523906.4/18

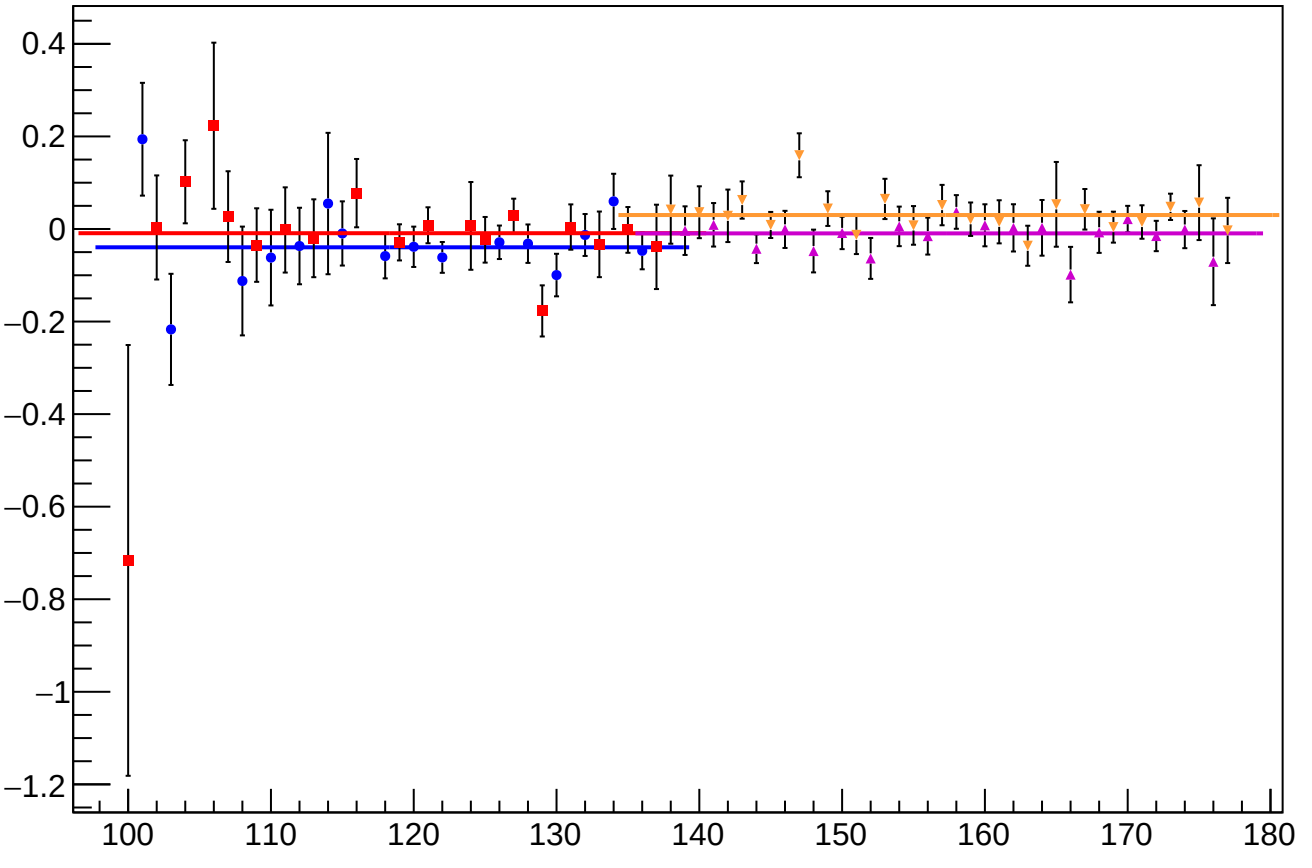
Left: 0.000+/-0.000 χ^2/NDF: 2270680.3/39

Right: 0.000+/-0.000 χ^2/NDF: 4139315.0/34

In: 0.000+/-0.000 χ^2/NDF:3677863.5/34

Out: 0.000+/-0.000 χ^2/NDF:4887860.3/39

All: 0.000+/-0.000 χ^2/NDF: 8576102.7/74



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.030+/-0.009 χ^2/NDF:15.2/20

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.009+/-0.010 χ^2/NDF:9.4/18

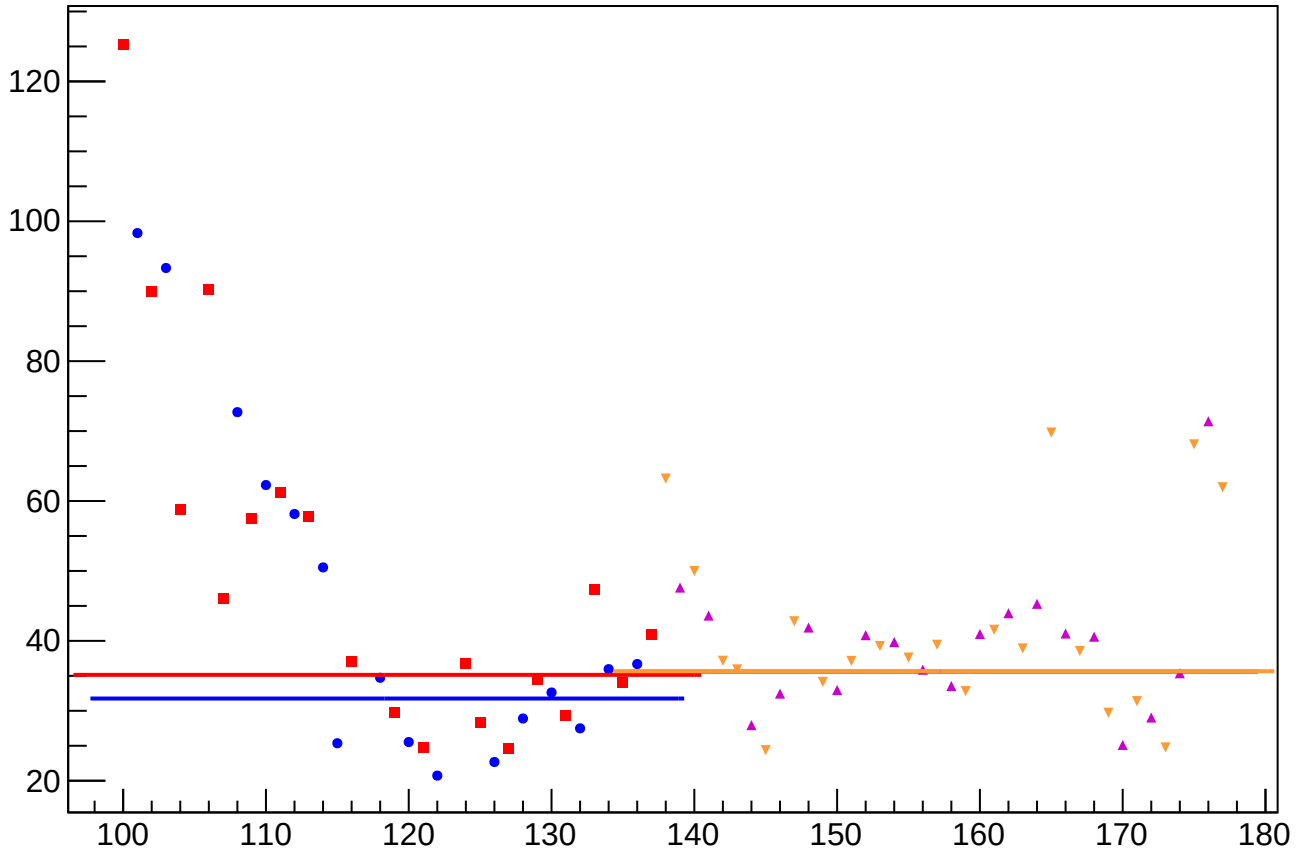
Left: 0.011+/-0.007 χ^2/NDF: 33.6/39

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.020+/-0.008 χ^2/NDF:25.3/34

Out: 0.018+/-0.008 χ^2/NDF:38.9/39

All: -0.001+/-0.005 χ^2/NDF: 76.4/74



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 35.664+/-0.007 χ^2/NDF:2146094.2/20

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 35.606+/-0.007 χ^2/NDF:1215693.4/18

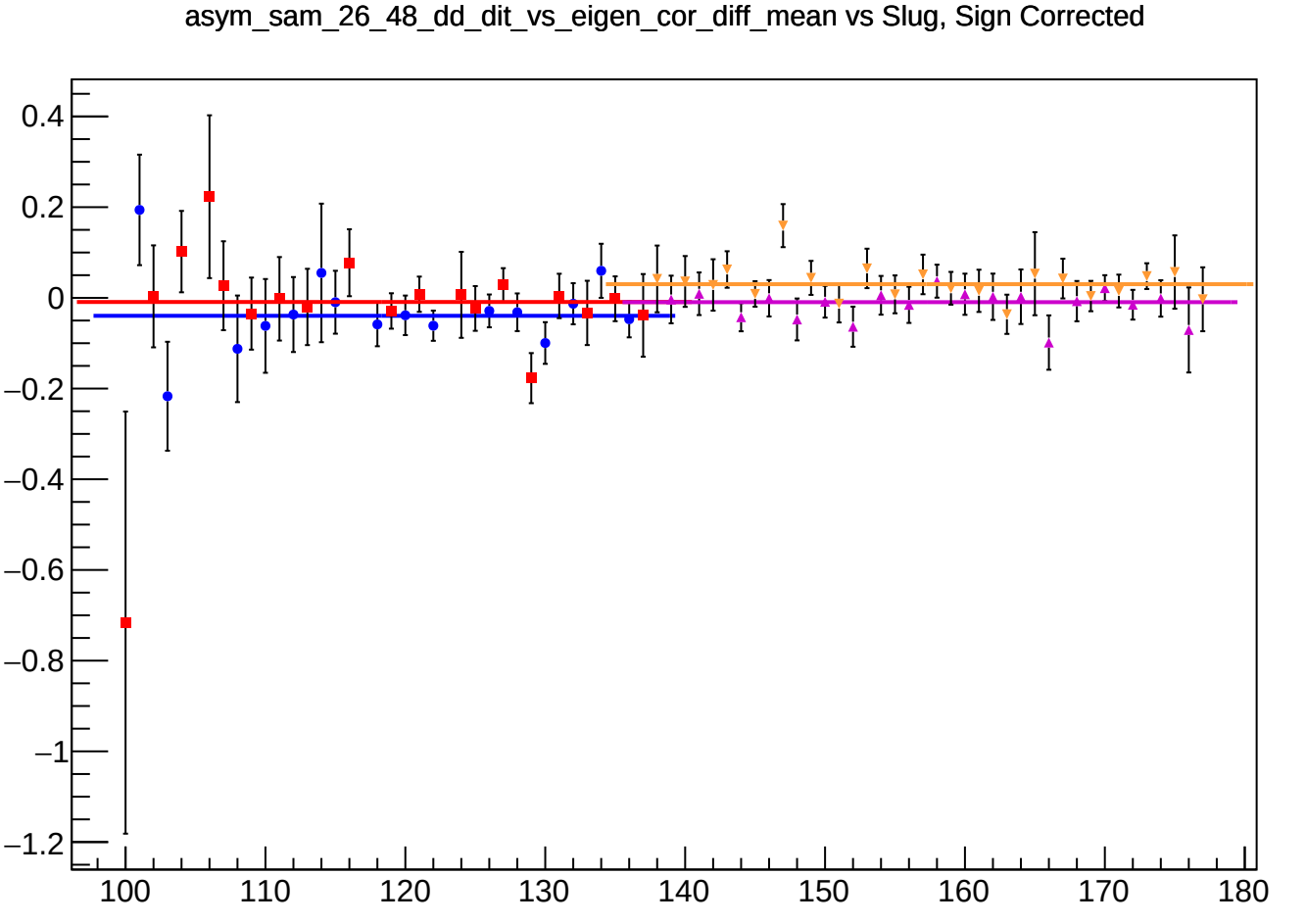
Left: 35.636+/-0.005 χ^2/NDF: 3361825.3/39

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 34.282+/-0.005 χ^2/NDF:3580429.3/34

Out: 35.507+/-0.005 χ^2/NDF:3992691.2/39

All: 34.893+/-0.004 χ^2/NDF: 7598236.5/74



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.030+/-0.009 χ^2/NDF:15.2/20

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.009+/-0.010 χ^2/NDF:9.4/18

Left: 0.011+/-0.007 χ^2/NDF: 33.6/39

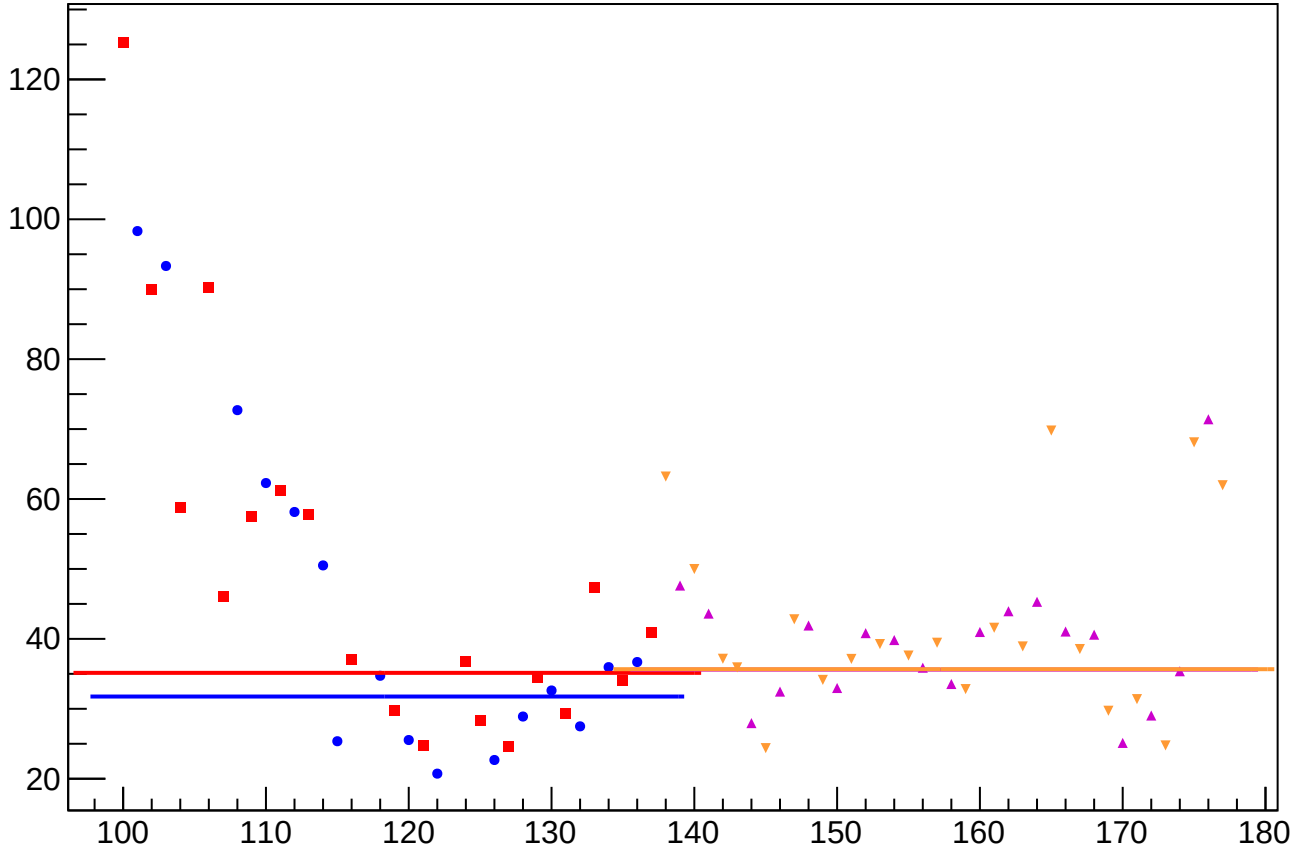
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.020+/-0.008 χ^2/NDF:25.3/34

Out: 0.018+/-0.008 χ^2/NDF:38.9/39

All: -0.001+/-0.005 χ^2/NDF: 76.4/74

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 35.664+/-0.007 χ^2/NDF:2146094.2/20

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 35.606+/-0.007 χ^2/NDF:1215693.4/18

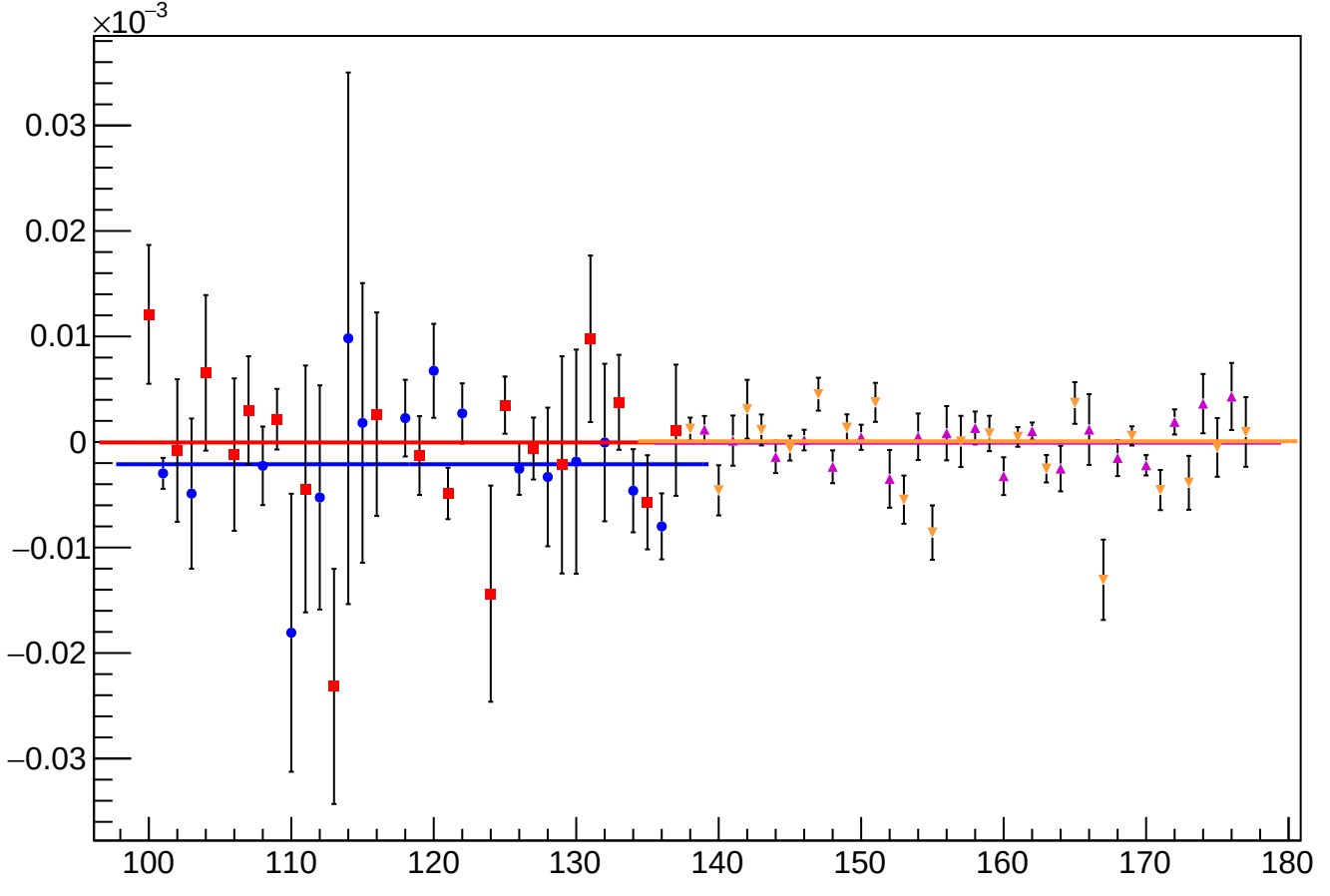
Left: 35.636+/-0.005 χ^2/NDF: 3361825.3/39

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 34.282+/-0.005 χ^2/NDF:3580429.3/34

Out: 35.507+/-0.005 χ^2/NDF:3992691.2/39

All: 34.893+/-0.004 χ^2/NDF: 7598236.5/74



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:65.8/20

Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:25.0/18

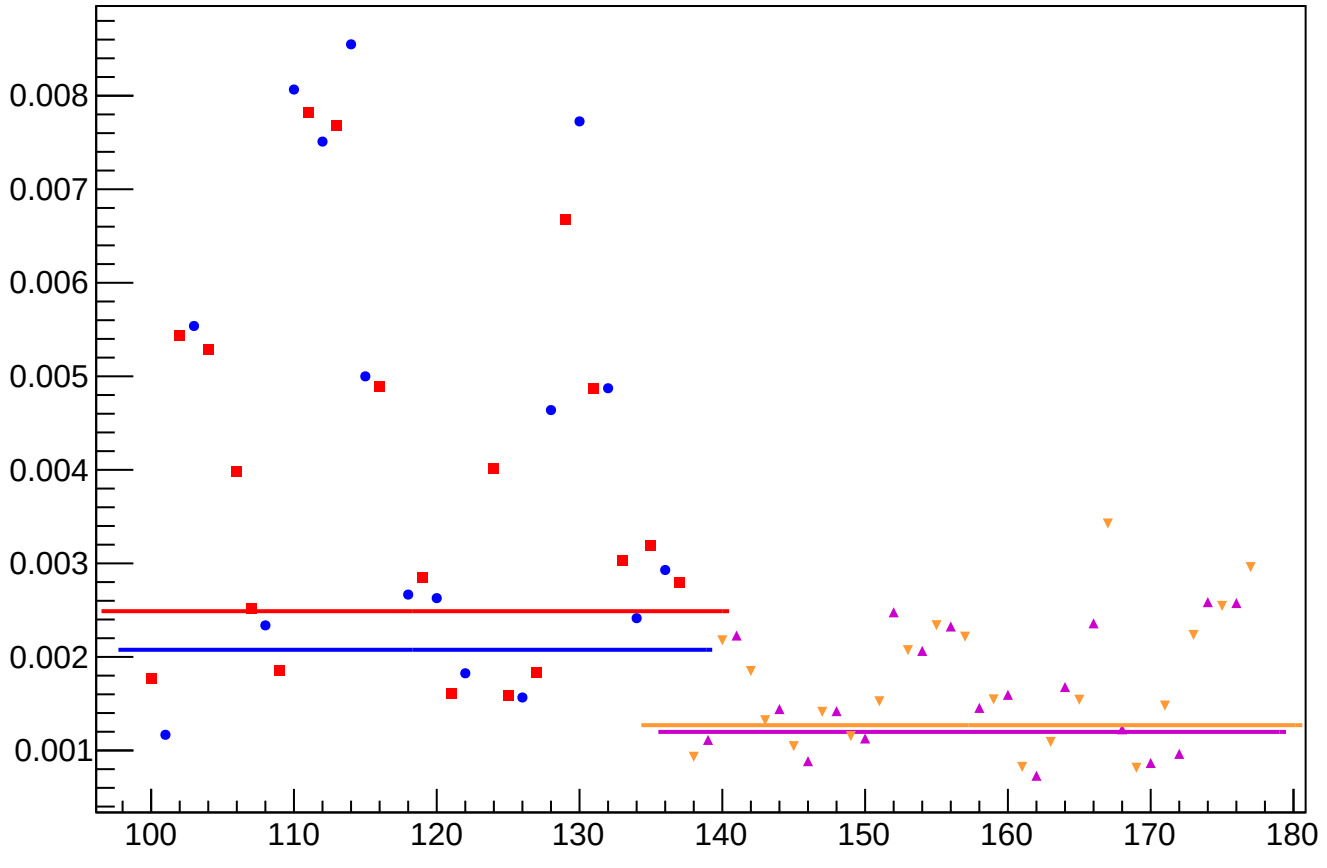
Left: -0.000+/-0.000 χ^2/NDF: 90.9/39

Right: -0.000+/-0.000 χ^2/NDF: 38.4/34

In: -0.000+/-0.000 χ^2/NDF:44.2/34

Out: 0.000+/-0.000 χ^2/NDF:87.2/39

All: -0.000+/-0.000 χ^2/NDF: 132.1/74



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:4611008.9/20

Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.001+/-0.000 χ^2/NDF:4147650.6/18

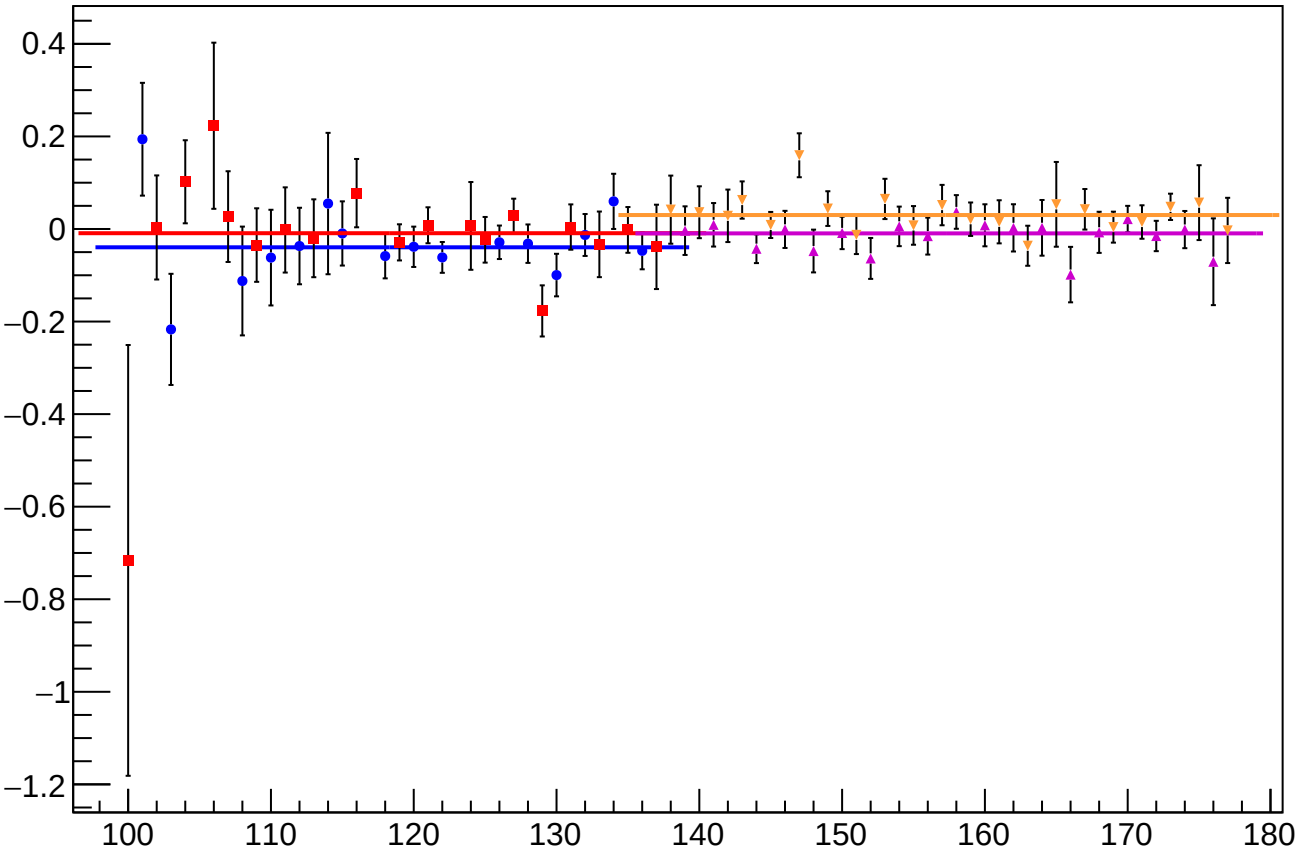
Left: 0.001+/-0.000 χ^2/NDF: 8803492.7/39

Right: 0.002+/-0.000 χ^2/NDF: 7186793.8/34

In: 0.001+/-0.000 χ^2/NDF:9702753.3/34

Out: 0.001+/-0.000 χ^2/NDF:10171109.0/39

All: 0.001+/-0.000 χ^2/NDF: 19942485.1/74



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.030+/-0.009 χ^2/NDF:15.2/20

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.009+/-0.010 χ^2/NDF:9.4/18

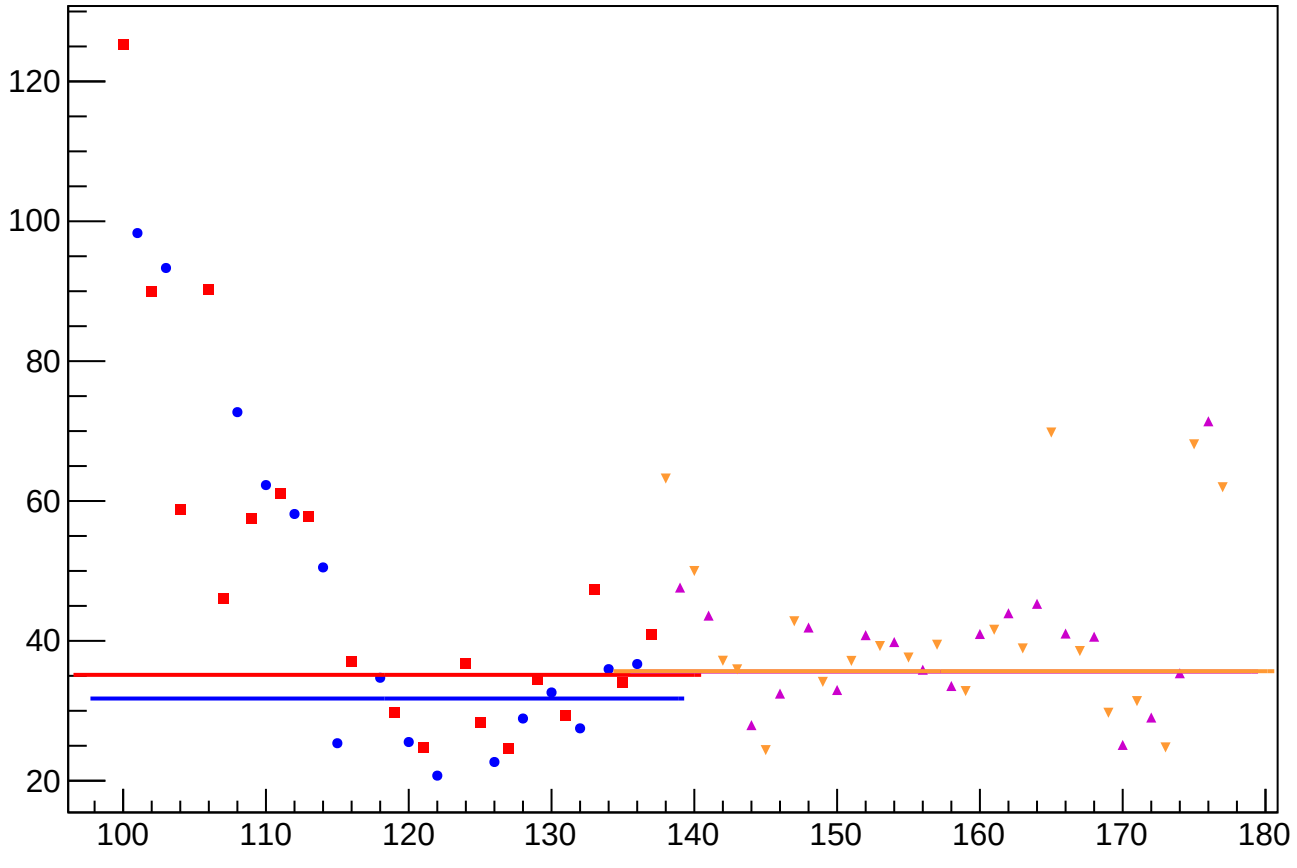
Left: 0.011+/-0.007 χ^2/NDF: 33.6/39

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.020+/-0.008 χ^2/NDF:25.3/34

Out: 0.018+/-0.008 χ^2/NDF:38.9/39

All: -0.001+/-0.005 χ^2/NDF: 76.4/74



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 35.664+/-0.007 χ^2/NDF:2146101.8/20

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 35.606+/-0.007 χ^2/NDF:1215687.7/18

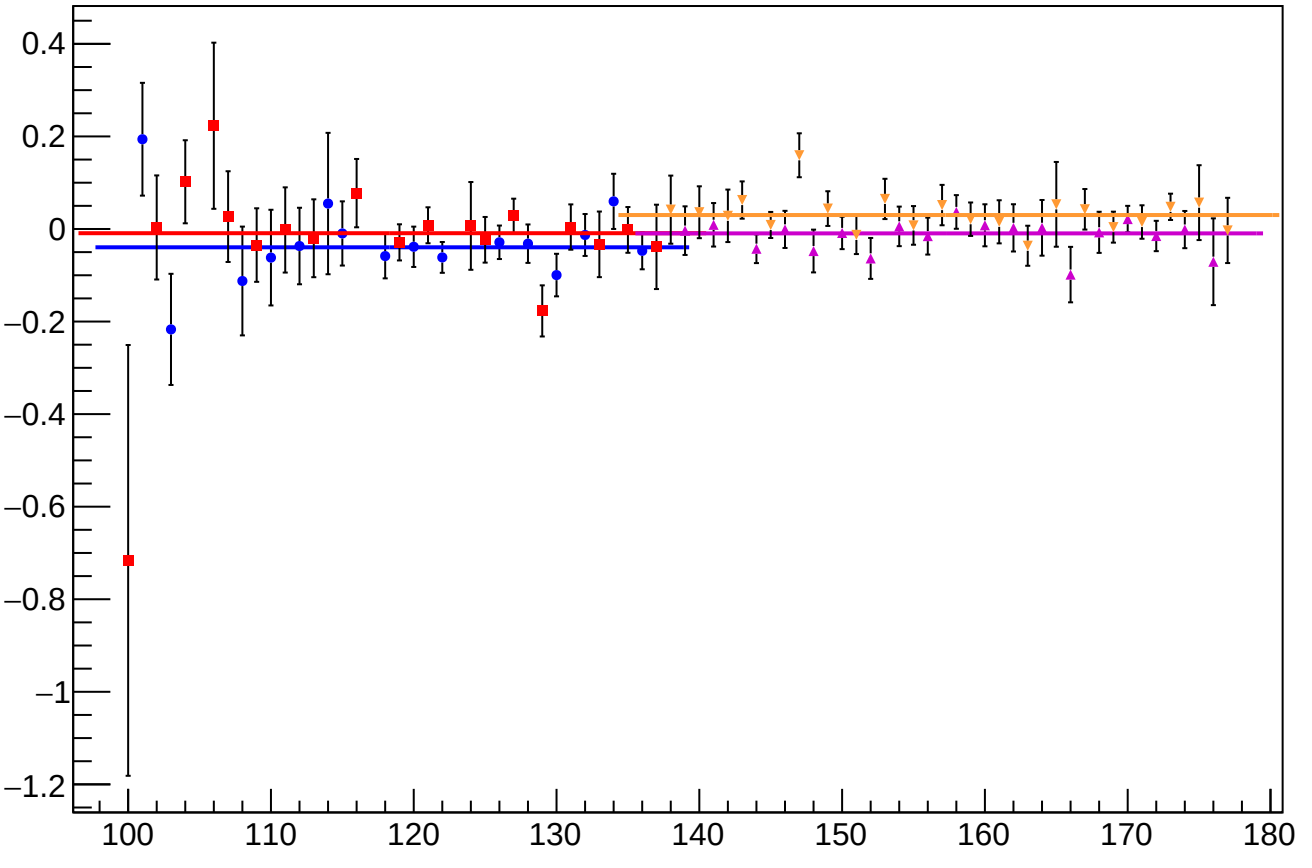
Left: 35.636+/-0.005 χ^2/NDF: 3361827.2/39

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 34.283+/-0.005 χ^2/NDF:3580373.1/34

Out: 35.507+/-0.005 χ^2/NDF:3992591.2/39

All: 34.893+/-0.004 χ^2/NDF: 7598080.7/74



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.030+/-0.009 χ^2/NDF:15.2/20

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.009+/-0.010 χ^2/NDF:9.4/18

Left: 0.011+/-0.007 χ^2/NDF: 33.6/39

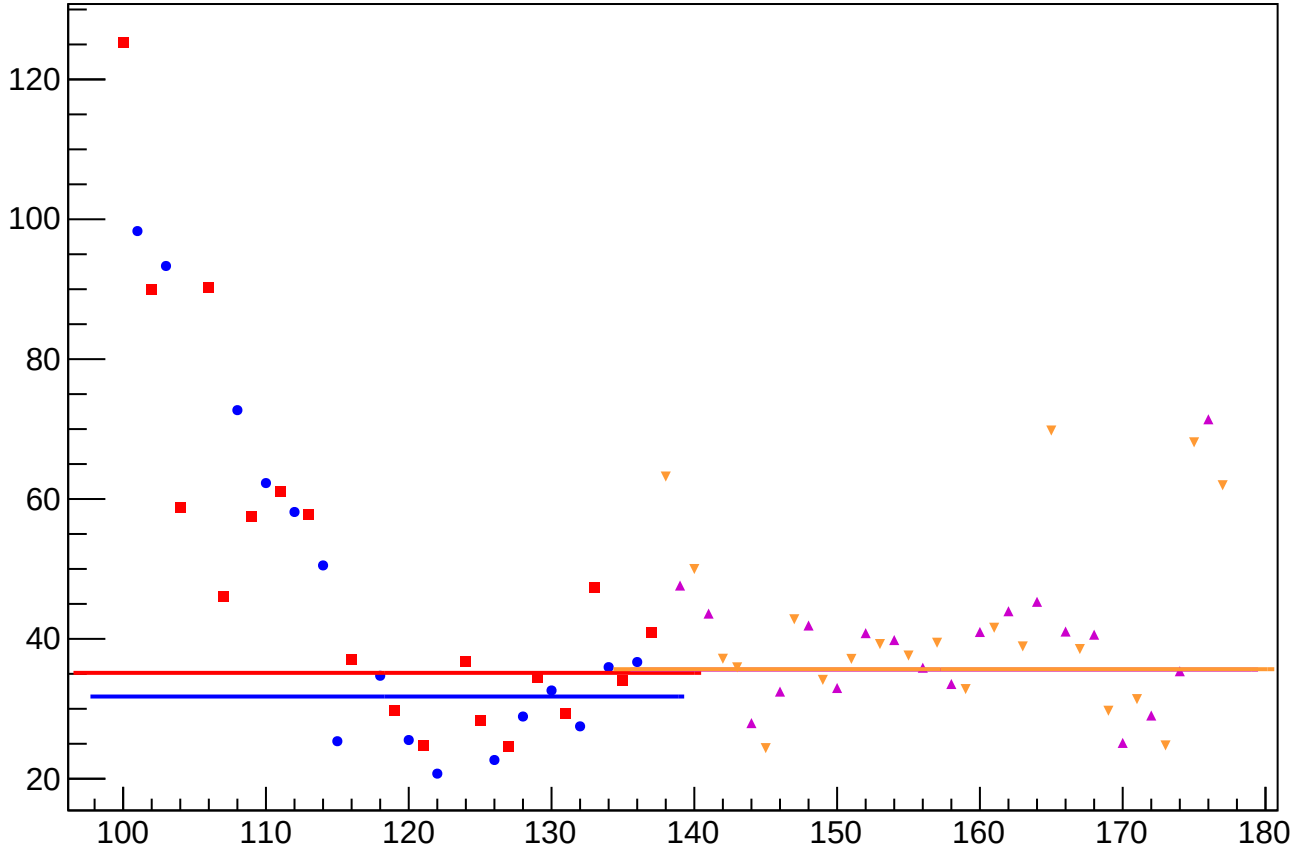
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.020+/-0.008 χ^2/NDF:25.3/34

Out: 0.018+/-0.008 χ^2/NDF:38.9/39

All: -0.001+/-0.005 χ^2/NDF: 76.4/74

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 35.664+/-0.007 χ^2/NDF:2146101.8/20

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 35.606+/-0.007 χ^2/NDF:1215687.7/18

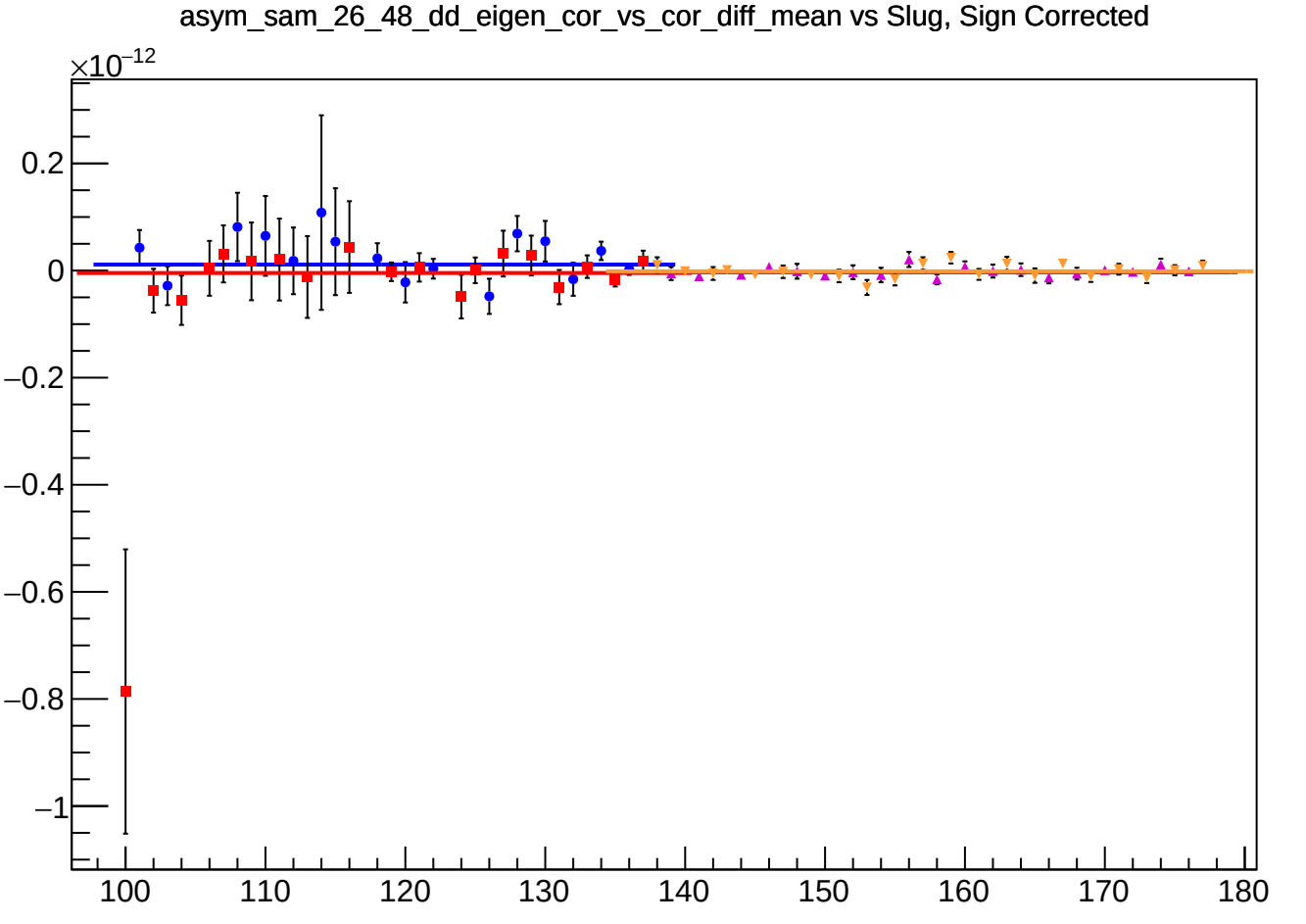
Left: 35.636+/-0.005 χ^2/NDF: 3361827.2/39

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 34.283+/-0.005 χ^2/NDF:3580373.1/34

Out: 35.507+/-0.005 χ^2/NDF:3992591.2/39

All: 34.893+/-0.004 χ^2/NDF: 7598080.7/74



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/20

Right Out: -0.000+/-0.000 χ^2/NDF: 17.5/18

Left In: -0.000+/-0.000 χ^2/NDF:12.5/18

Left: -0.000+/-0.000 χ^2/NDF: 37.3/39

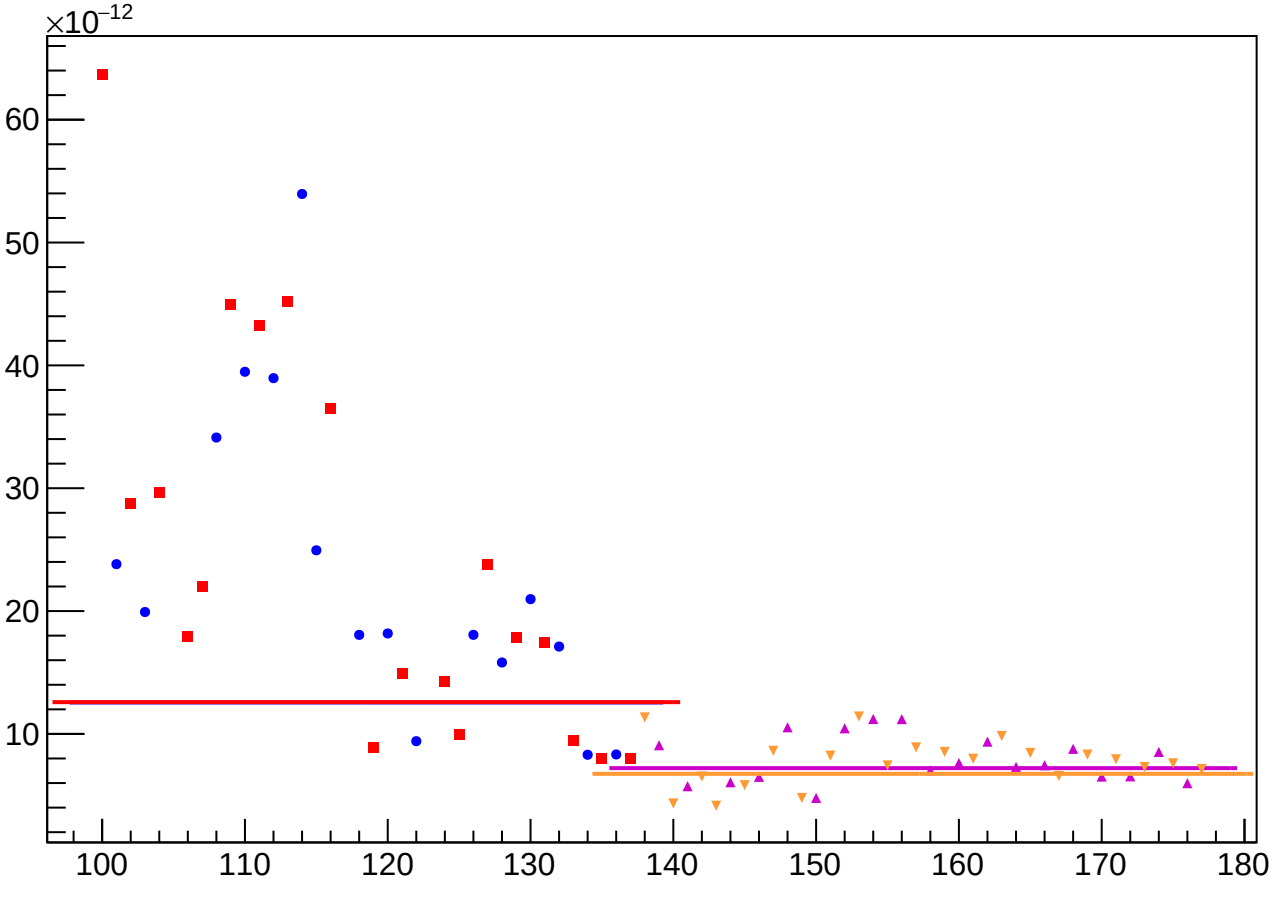
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:33.9/34

Out: -0.000+/-0.000 χ^2/NDF:42.1/39

All: -0.000+/-0.000 χ^2/NDF: 76.0/74

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2164553.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1761750.6/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2747891.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1170611.8/18

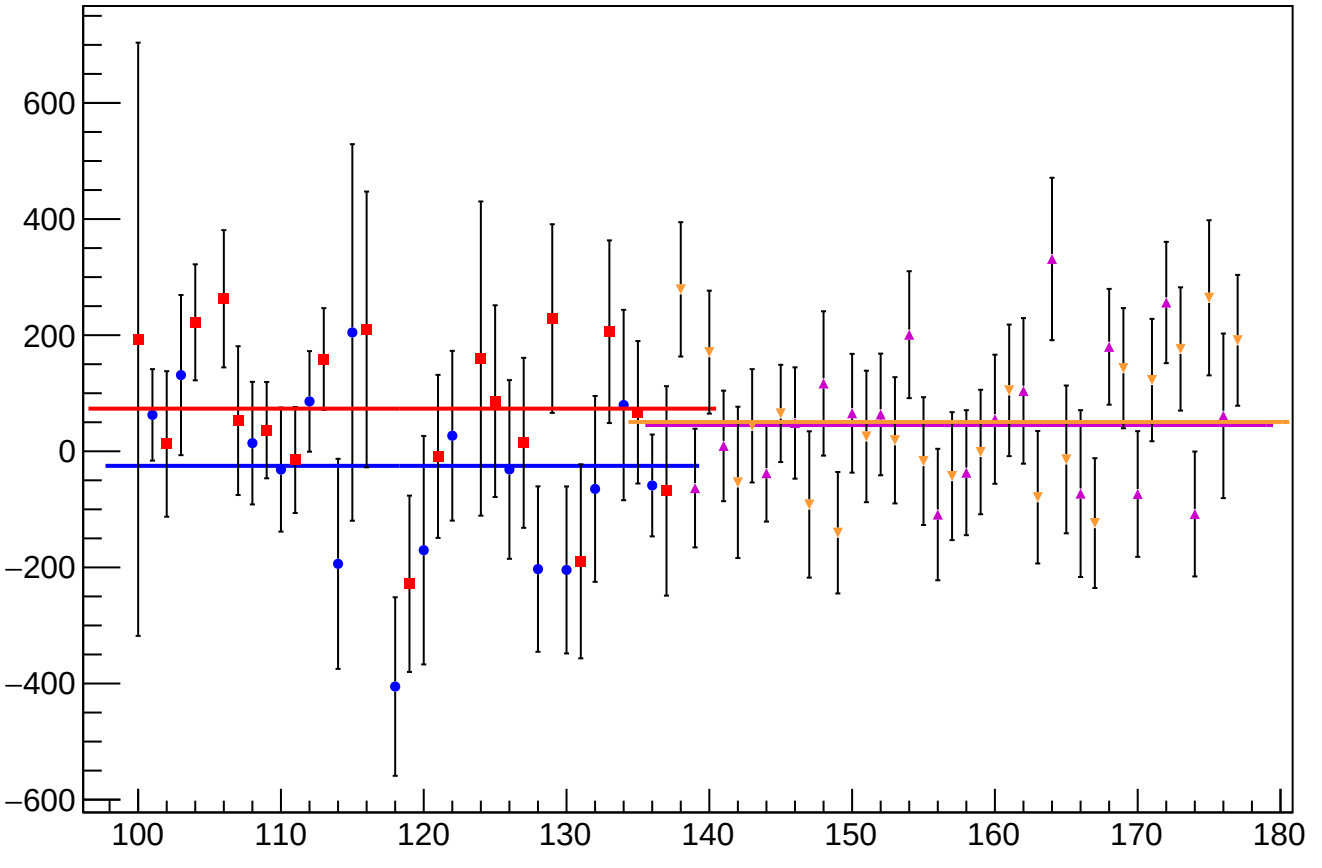
Left: 0.000+/-0.000 χ^2/NDF: 2977559.2/39

Right: 0.000+/-0.000 χ^2/NDF: 4912459.0/34

In: 0.000+/-0.000 χ^2/NDF:4560348.8/34

Out: 0.000+/-0.000 χ^2/NDF:5911966.4/39

All: 0.000+/-0.000 χ^2/NDF: 10537474.0/74



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 50.524+/-23.956 χ^2/NDF:22.9/20

Right Out: 73.458+/-29.935 χ^2/NDF: 16.8/18

Left In: 45.229+/-24.878 χ^2/NDF:21.4/18

Left: 47.977+/-17.256 χ^2/NDF: 44.3/39

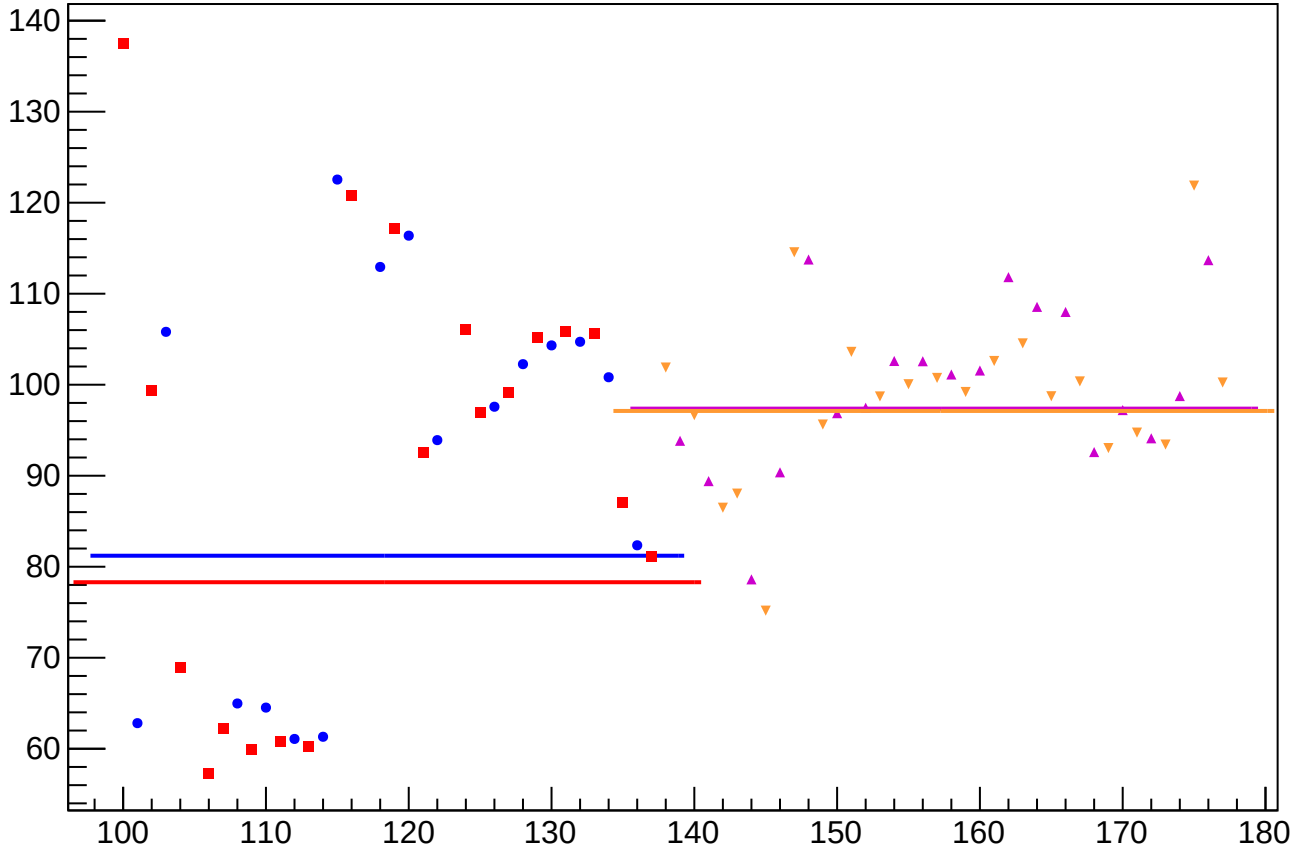
Right: 26.278+/-21.610 χ^2/NDF: 38.2/34

In: 17.936+/-19.459 χ^2/NDF:40.7/34

Out: 59.478+/-18.704 χ^2/NDF:40.1/39

All: 39.528+/-13.485 χ^2/NDF: 83.1/74

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 97.117+/-0.017 χ^2/NDF:313384.1/20

Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 97.372+/-0.018 χ^2/NDF:260718.4/18

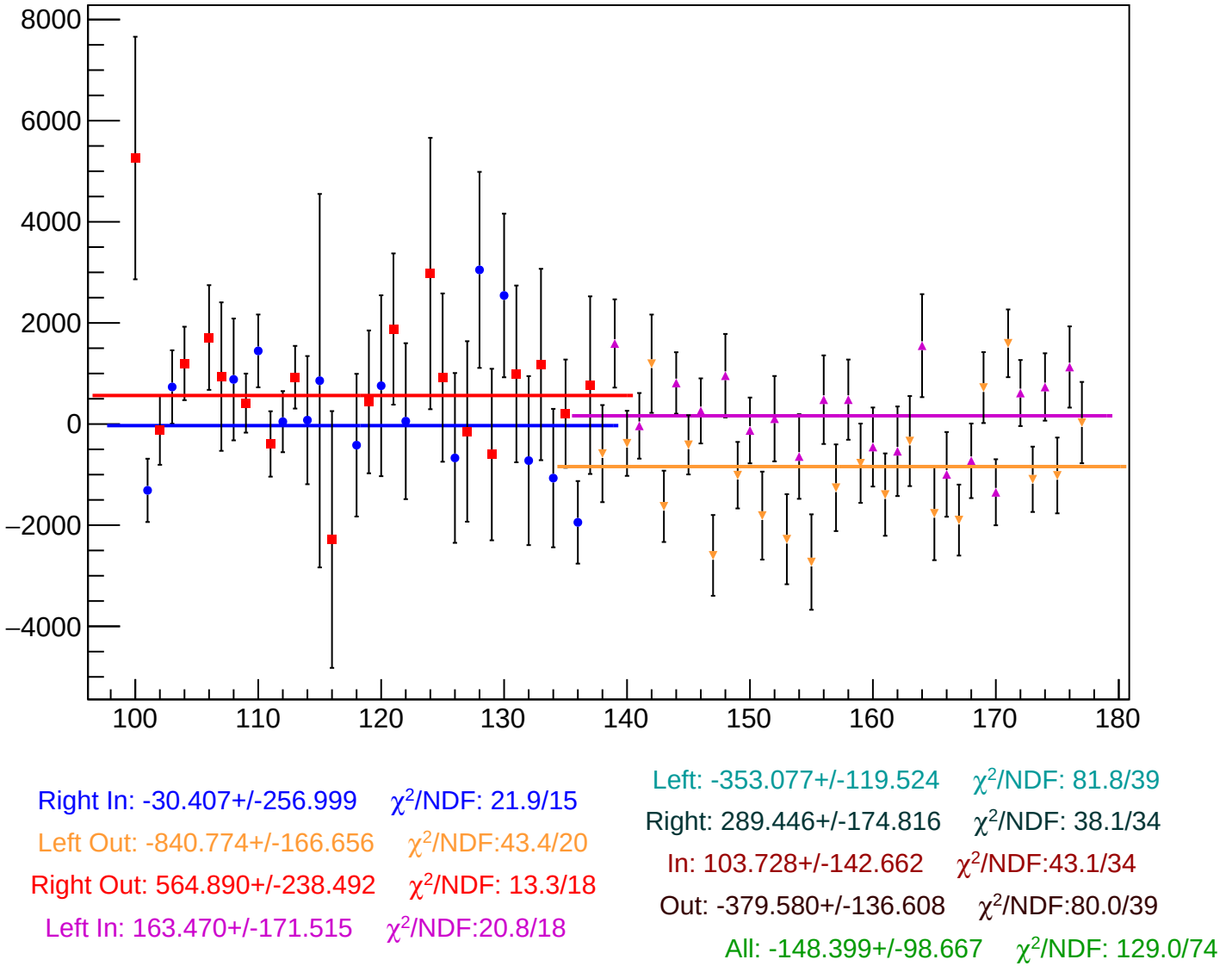
Left: 97.240+/-0.012 χ^2/NDF: 574211.2/39

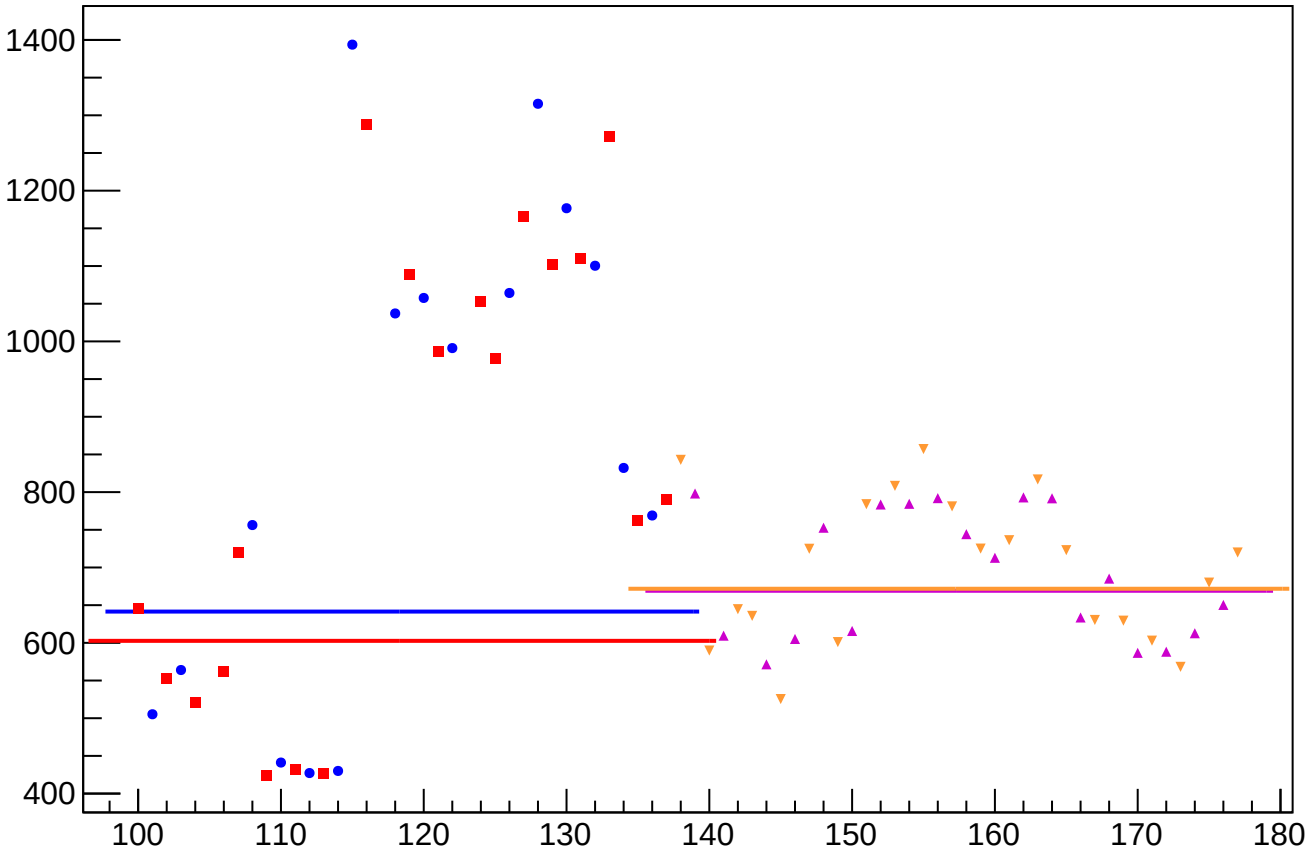
Right: 79.692+/-0.015 χ^2/NDF: 1731411.2/34

In: 91.097+/-0.014 χ^2/NDF:1376096.0/34

Out: 89.770+/-0.013 χ^2/NDF:1729916.4/39

All: 90.407+/-0.010 χ^2/NDF: 3110848.2/74


asym_sam_1548_avg_reg_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
Right In: -30.407+/-256.999 χ²/NDF: 21.9/15
Left Out: -840.774+/-166.656 χ²/NDF:43.4/20
Right Out: 564.890+/-238.492 χ²/NDF: 13.3/18
Left In: 163.470+/-171.515 χ²/NDF:20.8/18
Left: -353.077+/-119.524 χ²/NDF: 81.8/39
Right: 289.446+/-174.816 χ²/NDF: 38.1/34
In: 103.728+/-142.662 χ²/NDF:43.1/34
Out: -379.580+/-136.608 χ²/NDF:80.0/39
All: -148.399+/-98.667 χ²/NDF: 129.0/74



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 671.779+/-0.118 χ^2/NDF:624673.5/20

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

Left In: 669.111+/-0.121 χ^2/NDF:454867.3/18

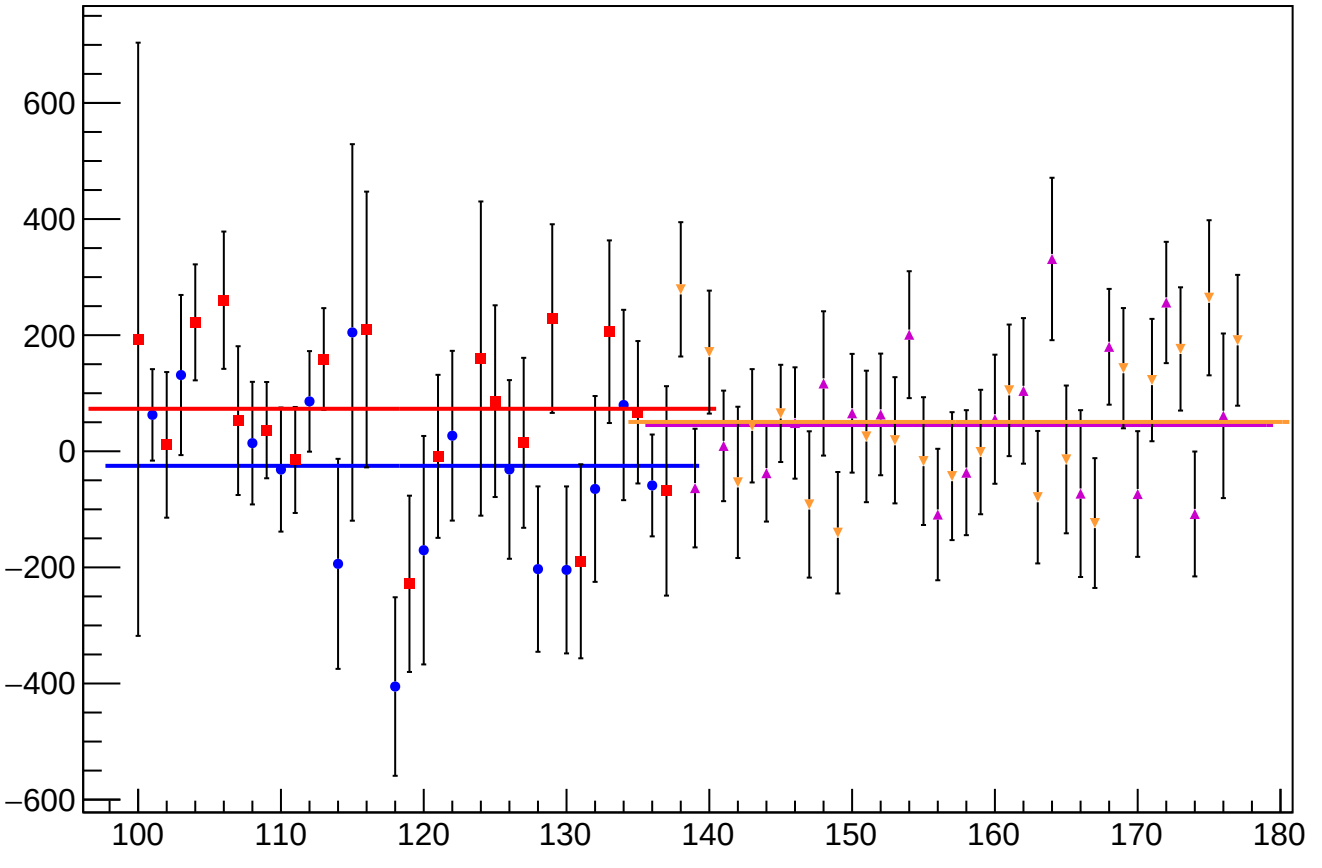
Left: 670.483+/-0.085 χ^2/NDF: 1079789.9/39

Right: 620.627+/-0.124 χ^2/NDF: 3969848.5/34

In: 660.602+/-0.101 χ^2/NDF:2345830.9/34

Out: 649.099+/-0.097 χ^2/NDF:2807874.7/39

All: 654.602+/-0.070 χ^2/NDF: 5160488.4/74



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 50.528+/-23.956 χ^2/NDF:22.9/20

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 45.229+/-24.878 χ^2/NDF:21.4/18

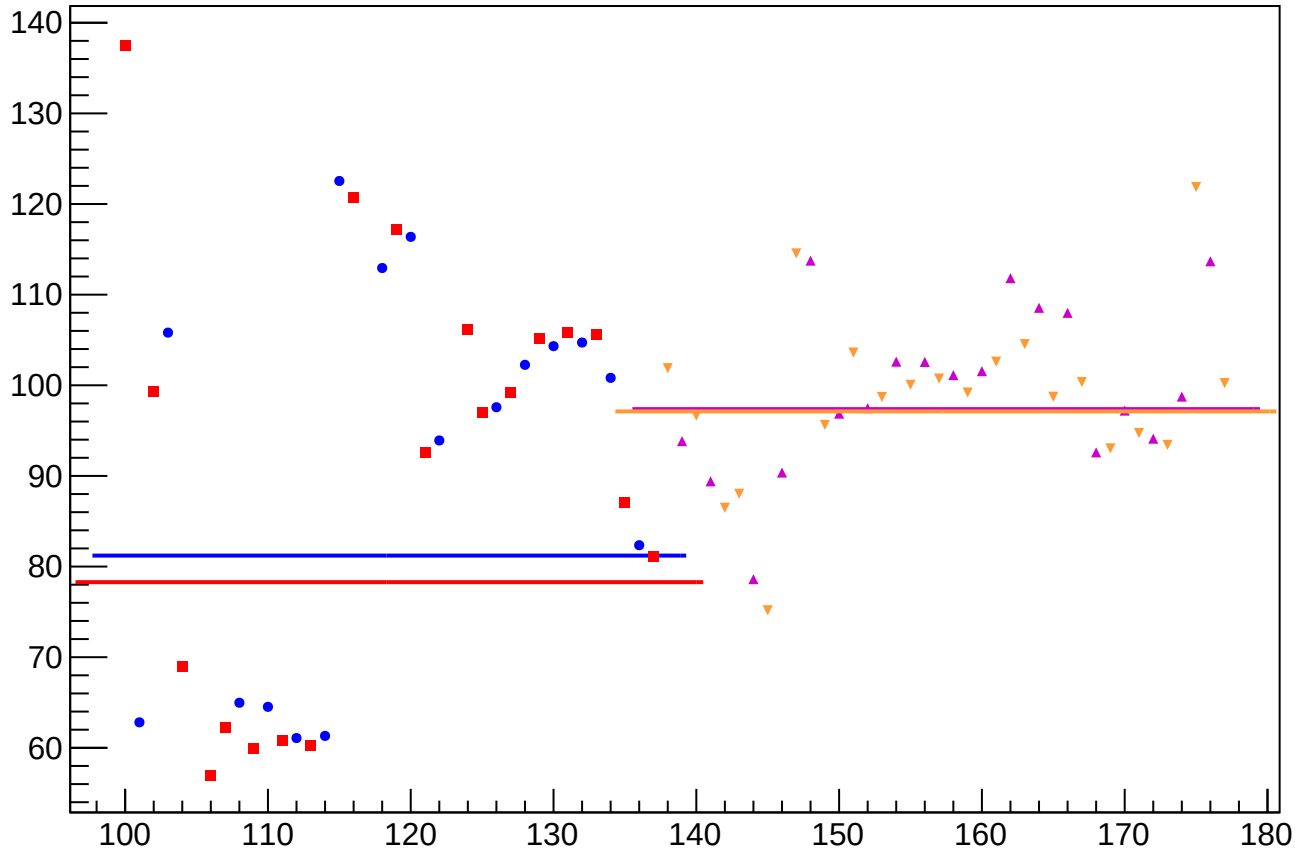
Left: 47.979+/-17.256 χ^2/NDF: 44.3/39

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: 17.935+/-19.459 χ^2/NDF:40.7/34

Out: 59.376+/-18.705 χ^2/NDF:40.0/39

All: 39.474+/-13.485 χ^2/NDF: 83.0/74



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 97.117+/-0.017 χ^2/NDF:313384.1/20

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 97.372+/-0.018 χ^2/NDF:260718.4/18

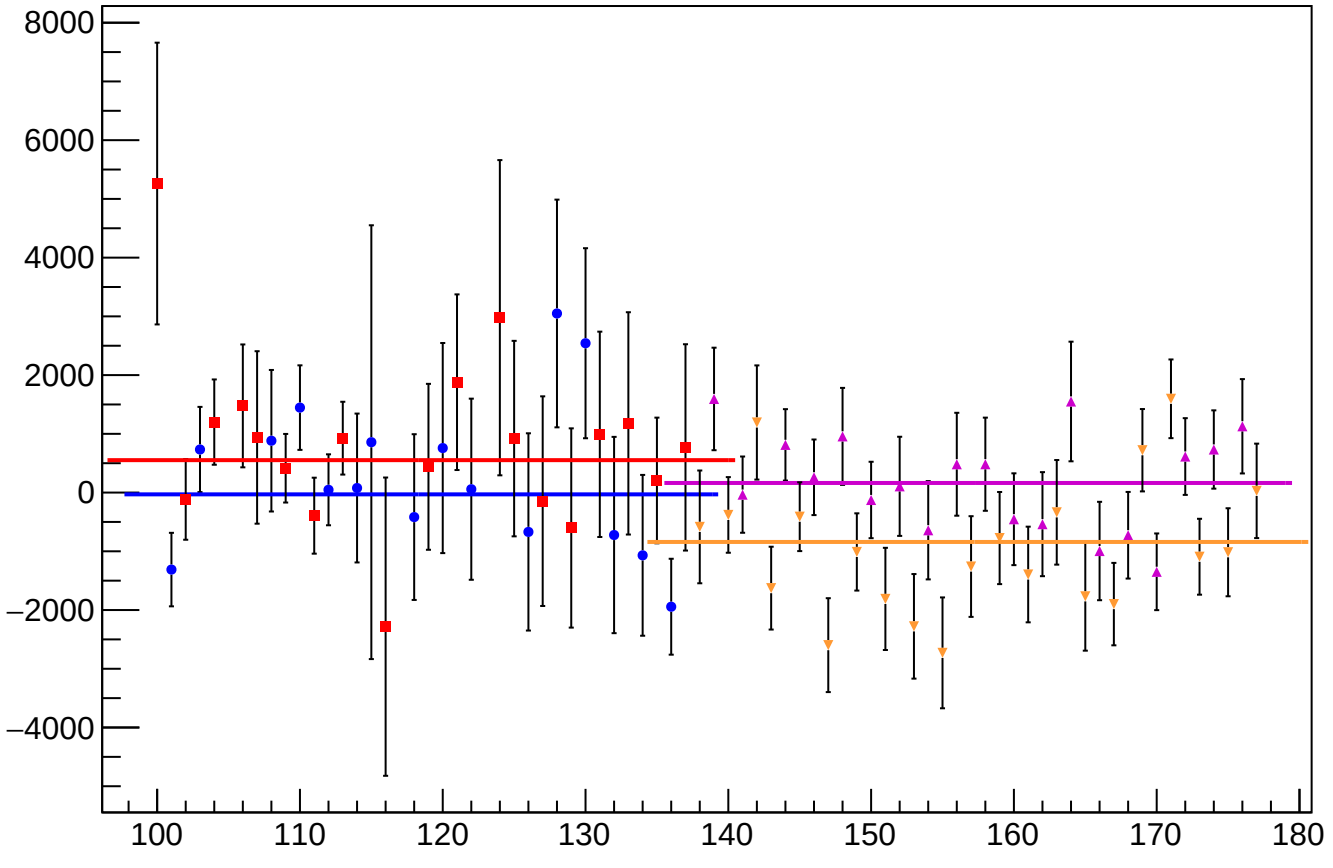
Left: 97.240+/-0.012 χ^2/NDF: 574211.2/39

Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 91.097+/-0.014 χ^2/NDF:1376097.6/34

Out: 89.763+/-0.013 χ^2/NDF:1732973.9/39

All: 90.404+/-0.010 χ^2/NDF: 3113956.4/74



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -840.769+/-166.656 χ^2/NDF:43.4/20

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 163.473+/-171.515 χ^2/NDF:20.8/18

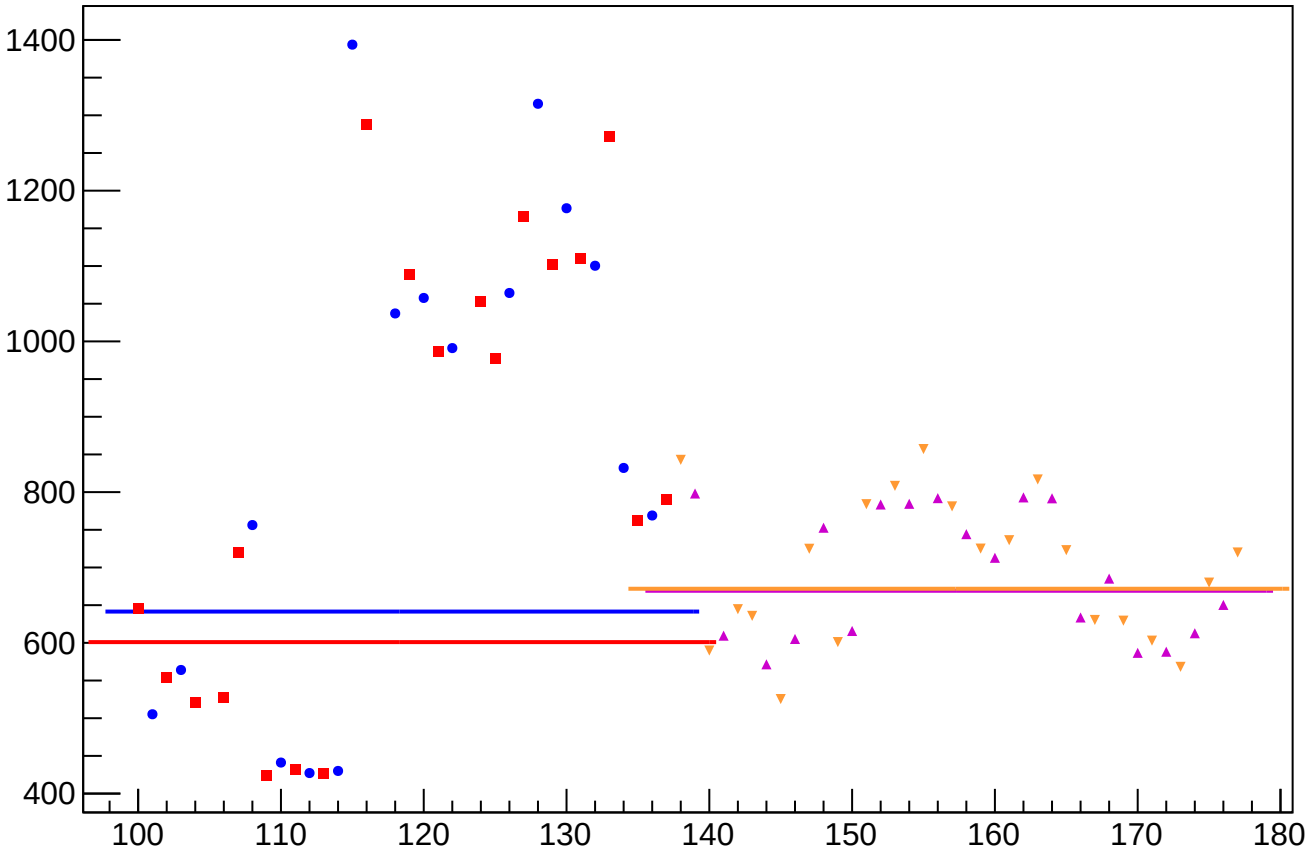
Left: -353.074+/-119.524 χ^2/NDF: 81.8/39

Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 103.722+/-142.663 χ^2/NDF:43.0/34

Out: -384.204+/-136.635 χ^2/NDF:79.1/39

All: -150.766+/-98.678 χ^2/NDF: 128.2/74



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 671.779+/-0.118 χ^2/NDF:624673.2/20

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 669.111+/-0.121 χ^2/NDF:454867.6/18

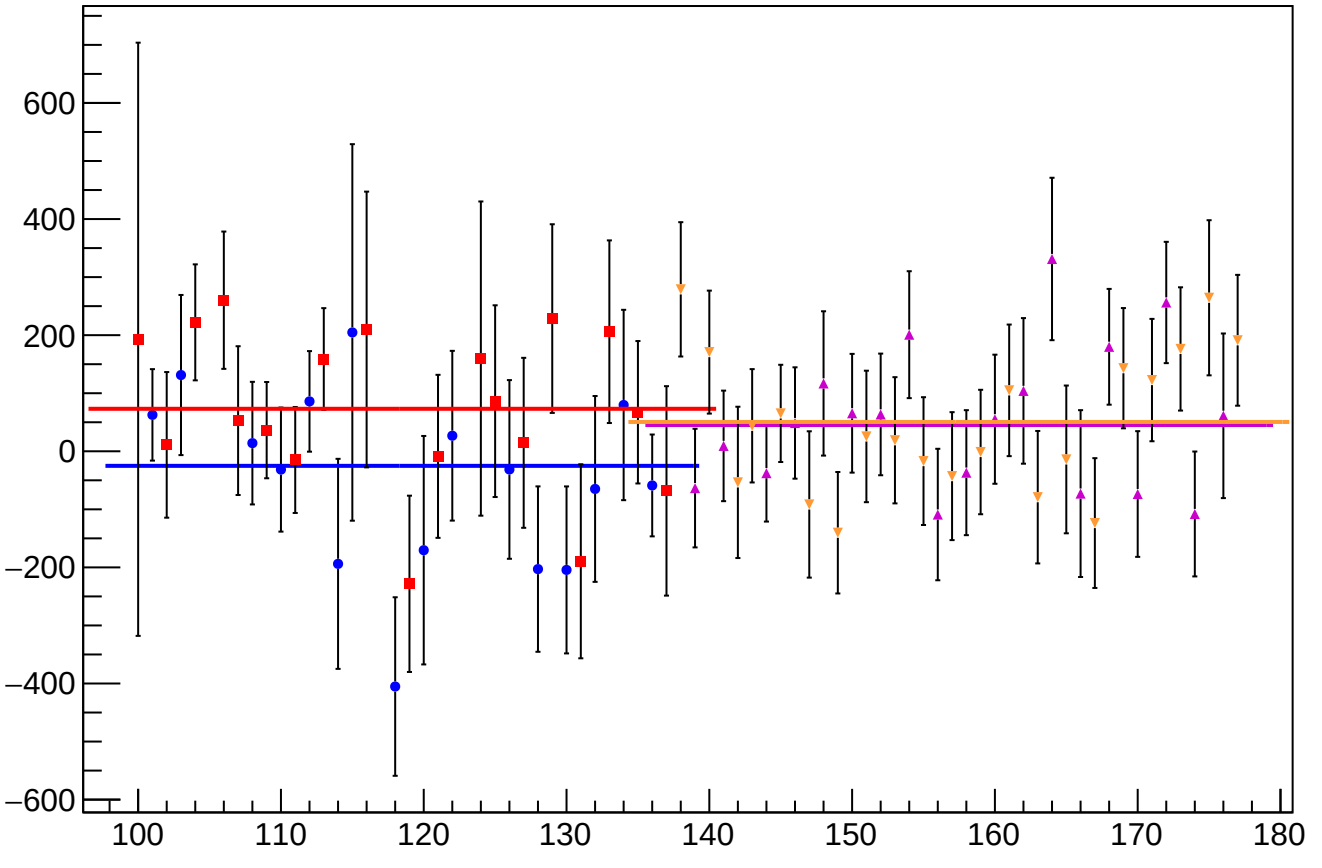
Left: 670.483+/-0.085 χ^2/NDF: 1079789.8/39

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 660.605+/-0.101 χ^2/NDF:2345779.8/34

Out: 648.568+/-0.097 χ^2/NDF:2820248.5/39

All: 654.327+/-0.070 χ^2/NDF: 5173454.2/74



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 50.528+/-23.956 χ^2/NDF:22.9/20

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 45.229+/-24.878 χ^2/NDF:21.4/18

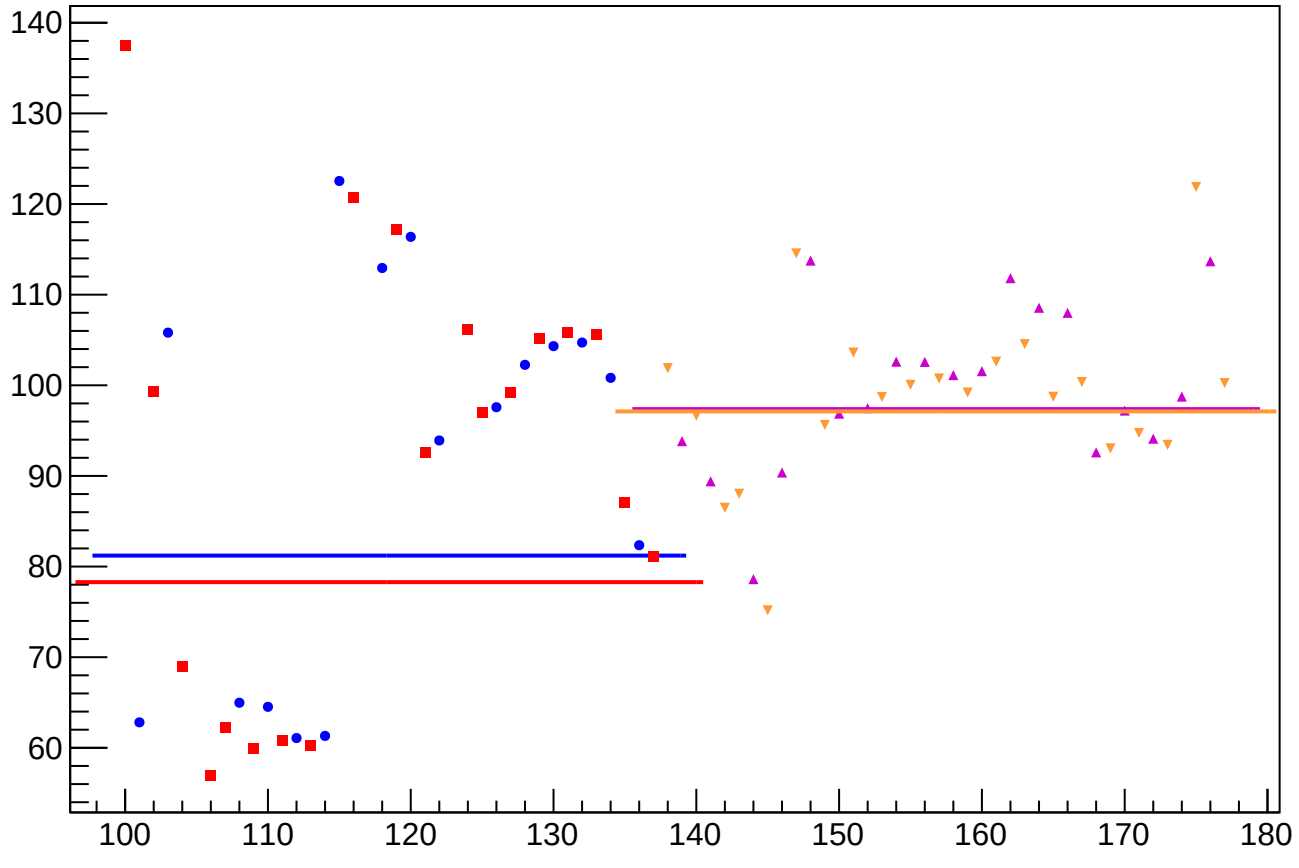
Left: 47.979+/-17.256 χ^2/NDF: 44.3/39

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: 17.935+/-19.459 χ^2/NDF:40.7/34

Out: 59.376+/-18.705 χ^2/NDF:40.0/39

All: 39.474+/-13.485 χ^2/NDF: 83.0/74



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 97.117+/-0.017 χ^2/NDF:313384.1/20

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 97.372+/-0.018 χ^2/NDF:260718.4/18

Left: 97.240+/-0.012 χ^2/NDF: 574211.2/39

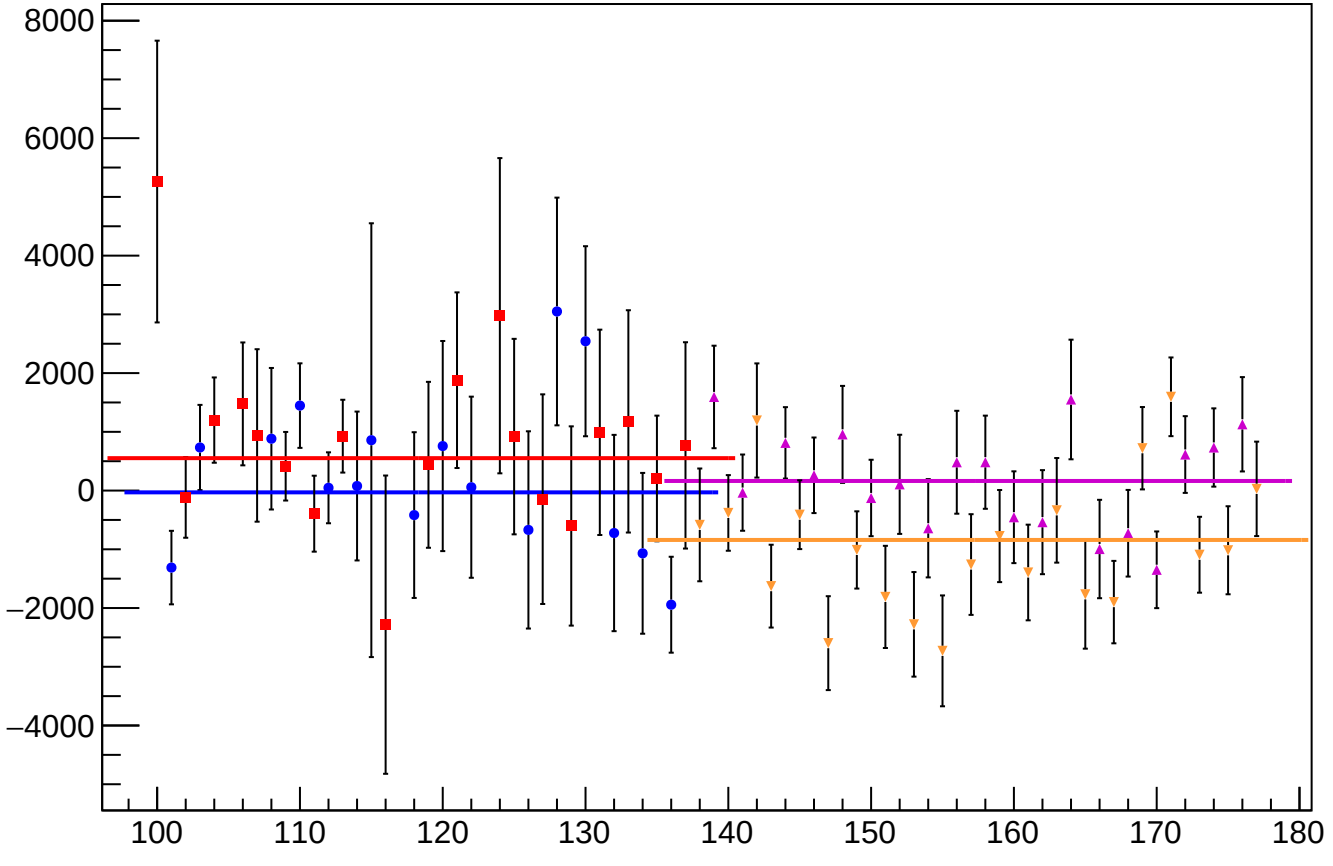
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 91.097+/-0.014 χ^2/NDF:1376097.6/34

Out: 89.763+/-0.013 χ^2/NDF:1732973.9/39

All: 90.404+/-0.010 χ^2/NDF: 3113956.4/74

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: -840.769+/-166.656 χ^2/NDF:43.4/20

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 163.473+/-171.515 χ^2/NDF:20.8/18

Left: -353.074+/-119.524 χ^2/NDF: 81.8/39

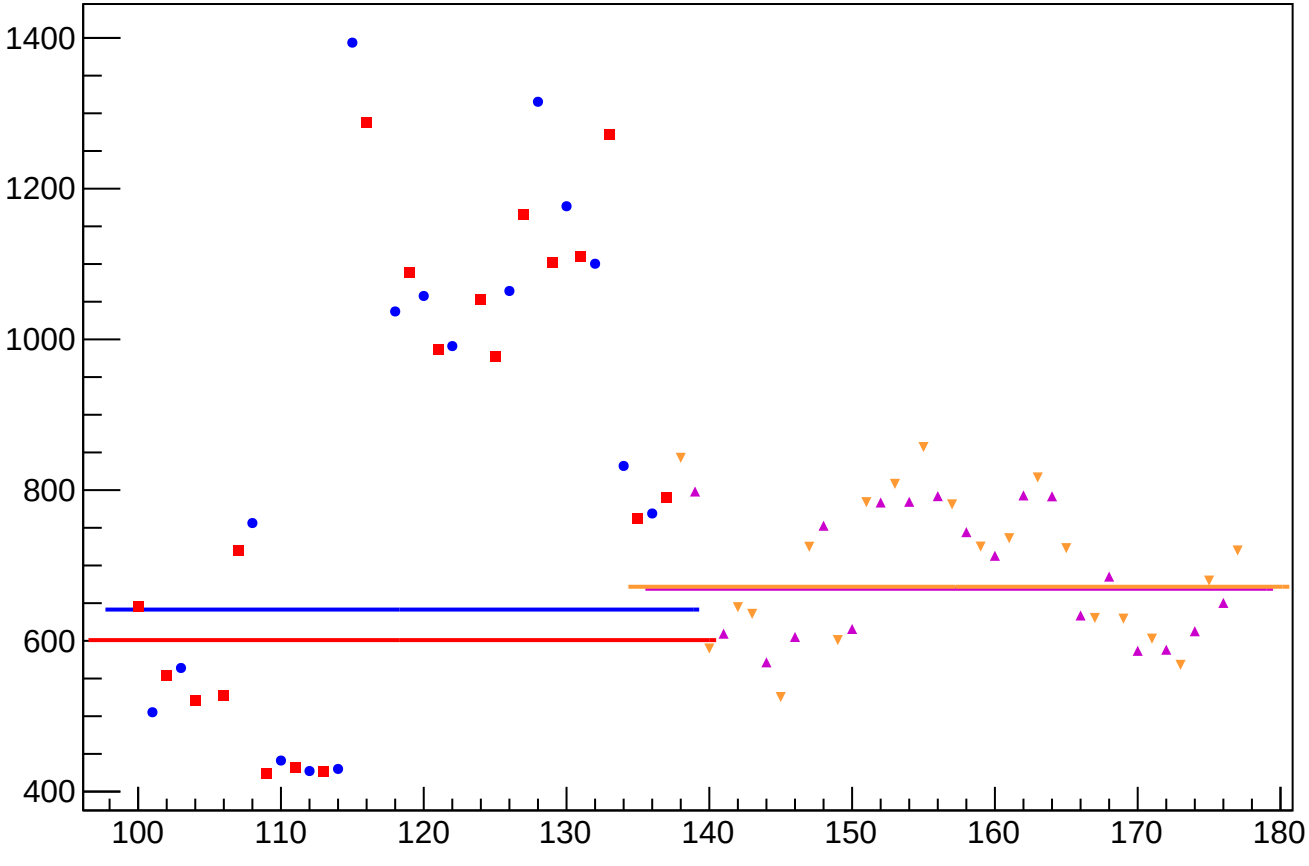
Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 103.722+/-142.663 χ^2/NDF:43.0/34

Out: -384.204+/-136.635 χ^2/NDF:79.1/39

All: -150.766+/-98.678 χ^2/NDF: 128.2/74

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 671.779+/-0.118 χ^2/NDF:624673.2/20

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 669.111+/-0.121 χ^2/NDF:454867.6/18

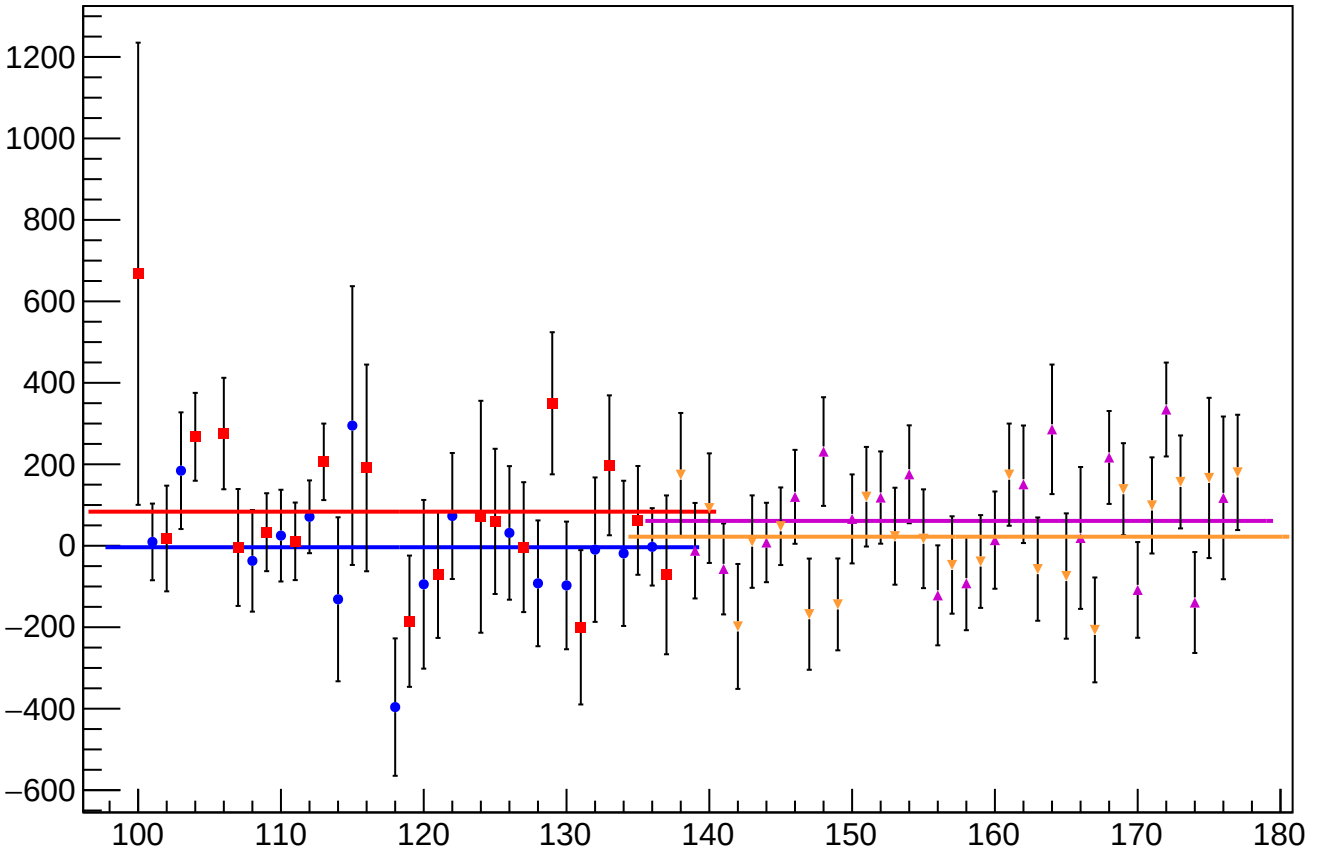
Left: 670.483+/-0.085 χ^2/NDF: 1079789.8/39

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 660.605+/-0.101 χ^2/NDF:2345779.8/34

Out: 648.568+/-0.097 χ^2/NDF:2820248.5/39

All: 654.327+/-0.070 χ^2/NDF: 5173454.2/74



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: 22.187+/-27.266 χ^2/NDF:18.9/20

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 61.018+/-28.087 χ^2/NDF:23.7/18

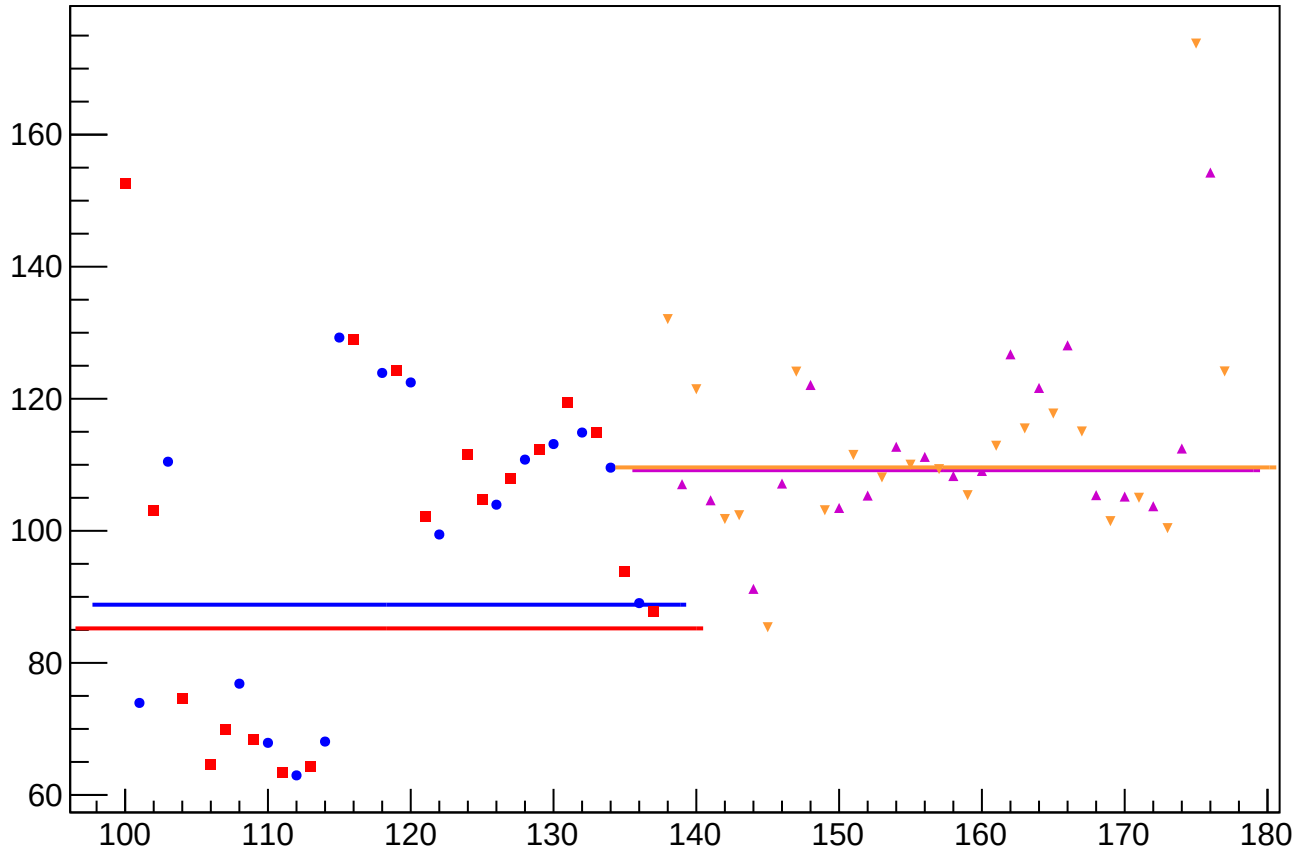
Left: 41.027+/-19.564 χ^2/NDF: 43.6/39

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 34.933+/-21.693 χ^2/NDF:36.2/34

Out: 47.467+/-20.924 χ^2/NDF:40.0/39

All: 41.426+/-15.060 χ^2/NDF: 76.4/74



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 109.605+/-0.019 χ^2/NDF:509898.3/20

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

Left In: 109.185+/-0.020 χ^2/NDF:279137.3/18

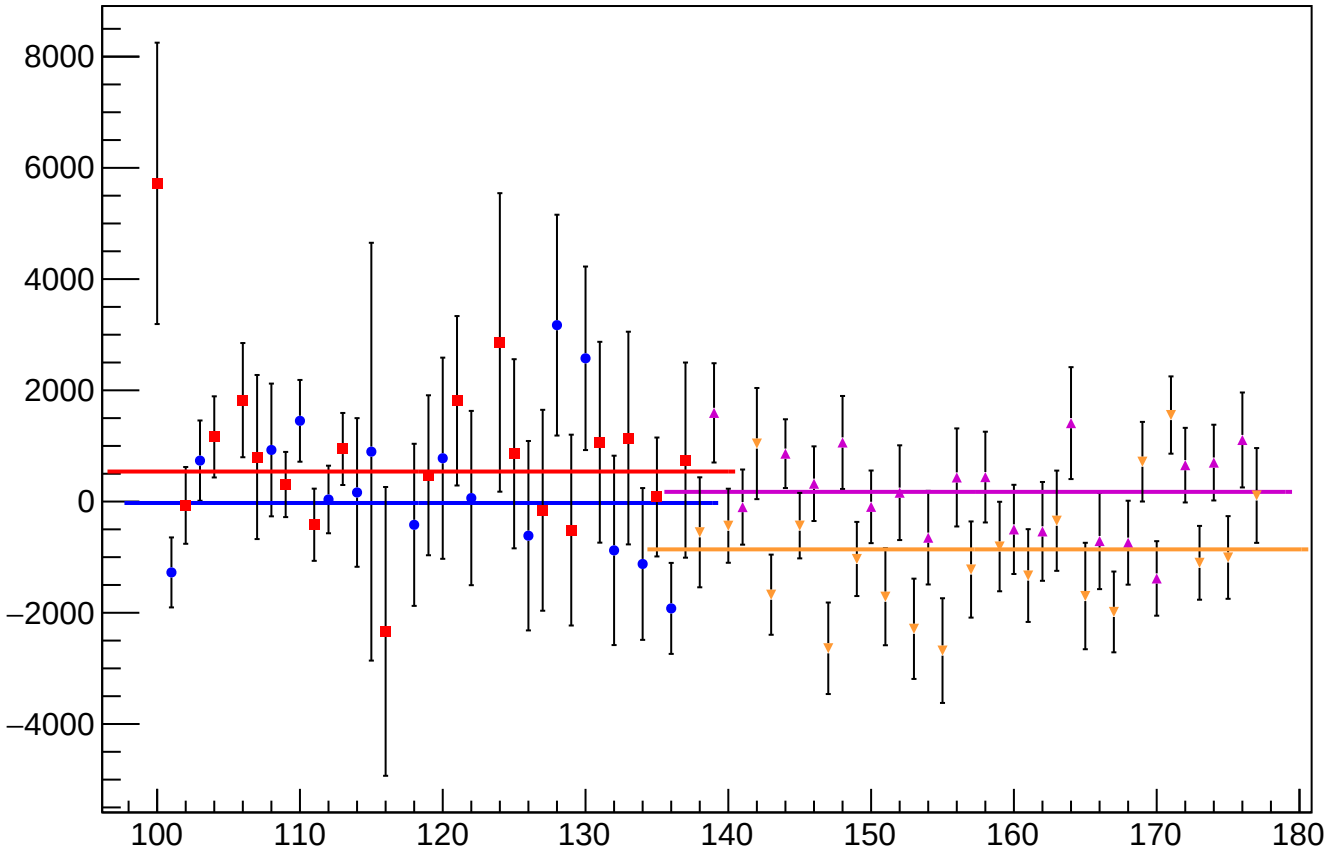
Left: 109.401+/-0.014 χ^2/NDF: 789266.0/39

Right: 86.937+/-0.017 χ^2/NDF: 1620225.0/34

In: 100.966+/-0.015 χ^2/NDF:1428237.4/34

Out: 99.582+/-0.015 χ^2/NDF:2051361.6/39

All: 100.249+/-0.011 χ^2/NDF: 3483816.9/74



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -859.953+/-170.235 χ^2/NDF:40.3/20

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 173.982+/-175.376 χ^2/NDF:19.5/18

Left: -358.362+/-122.151 χ^2/NDF: 77.7/39

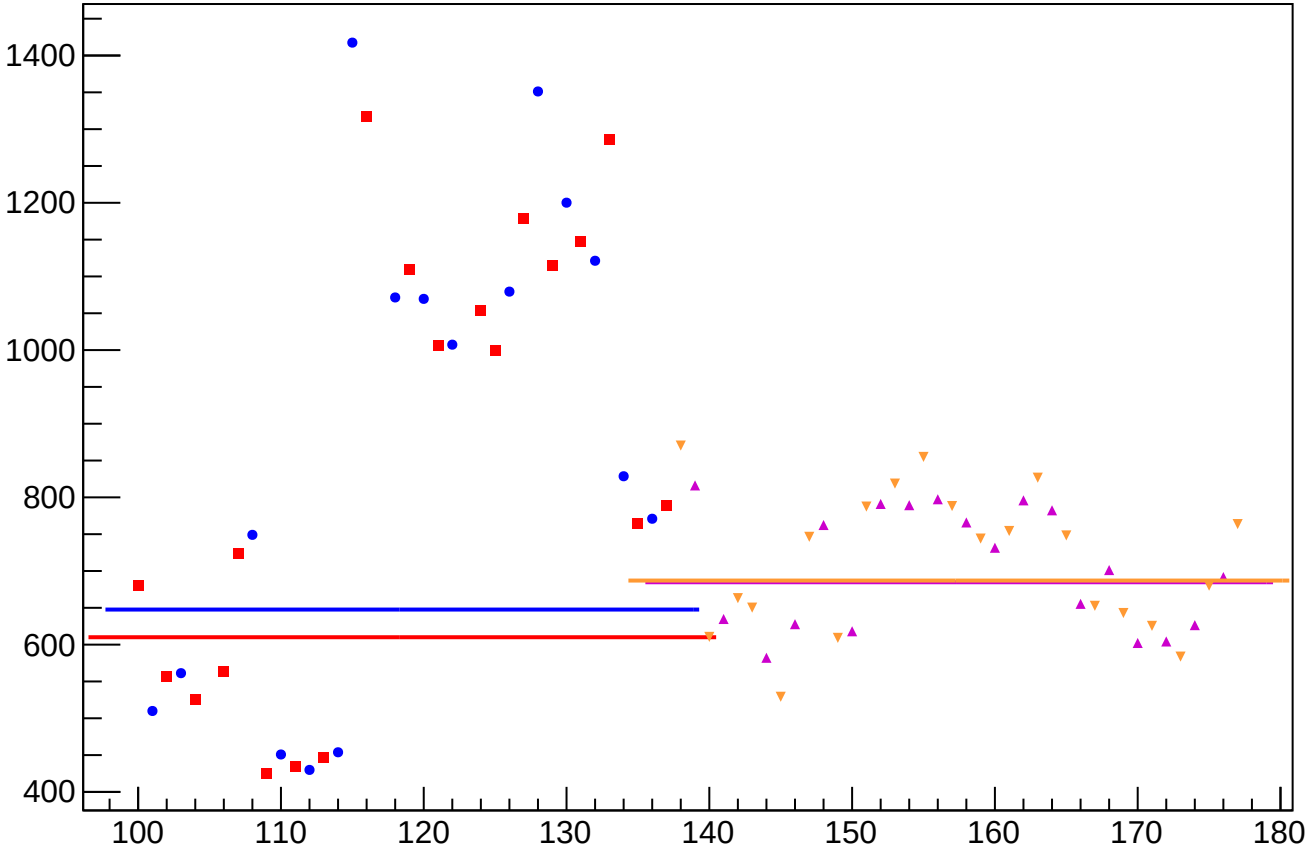
Right: 277.418+/-176.654 χ^2/NDF: 37.7/34

In: 111.320+/-145.287 χ^2/NDF:41.5/34

Out: -394.687+/-139.090 χ^2/NDF:76.4/39

All: -152.705+/-100.471 χ^2/NDF: 124.2/74

asym_sam_1548_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 687.020+/-0.120 χ^2/NDF:614907.9/20

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

Left In: 684.712+/-0.124 χ^2/NDF:410413.6/18

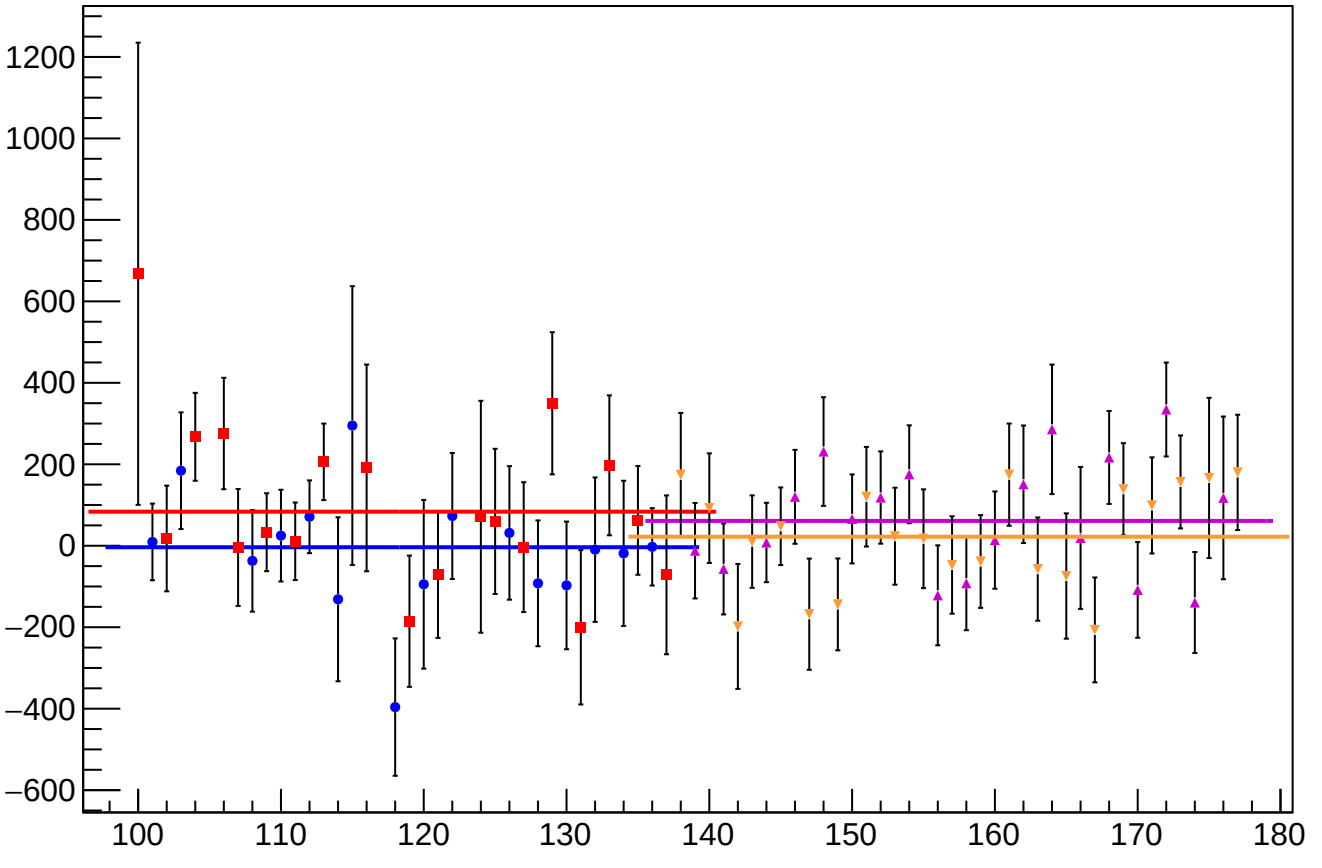
Left: 685.900+/-0.086 χ^2/NDF: 1025499.9/39

Right: 627.489+/-0.125 χ^2/NDF: 3984572.9/34

In: 673.083+/-0.103 χ^2/NDF:2326263.4/34

Out: 661.436+/-0.098 χ^2/NDF:2825037.2/39

All: 667.006+/-0.071 χ^2/NDF: 5158006.4/74



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: 22.188+/-27.267 χ^2/NDF:18.9/20

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 61.017+/-28.087 χ^2/NDF:23.7/18

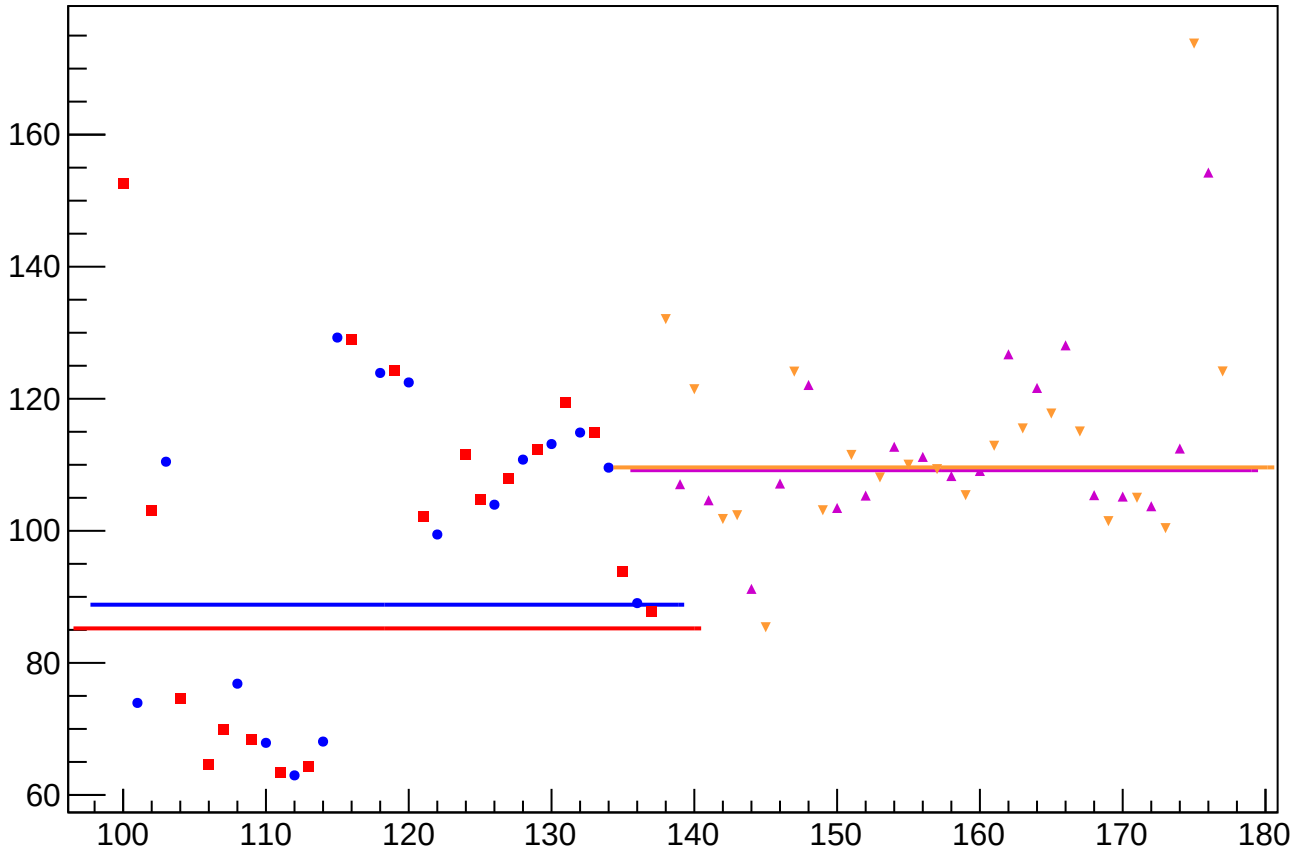
Left: 41.027+/-19.564 χ^2/NDF: 43.6/39

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 34.933+/-21.693 χ^2/NDF:36.2/34

Out: 47.468+/-20.924 χ^2/NDF:40.0/39

All: 41.427+/-15.060 χ^2/NDF: 76.4/74



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 109.605+/-0.019 χ^2/NDF:509891.2/20

Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 109.185+/-0.020 χ^2/NDF:279129.5/18

Left: 109.401+/-0.014 χ^2/NDF: 789251.0/39

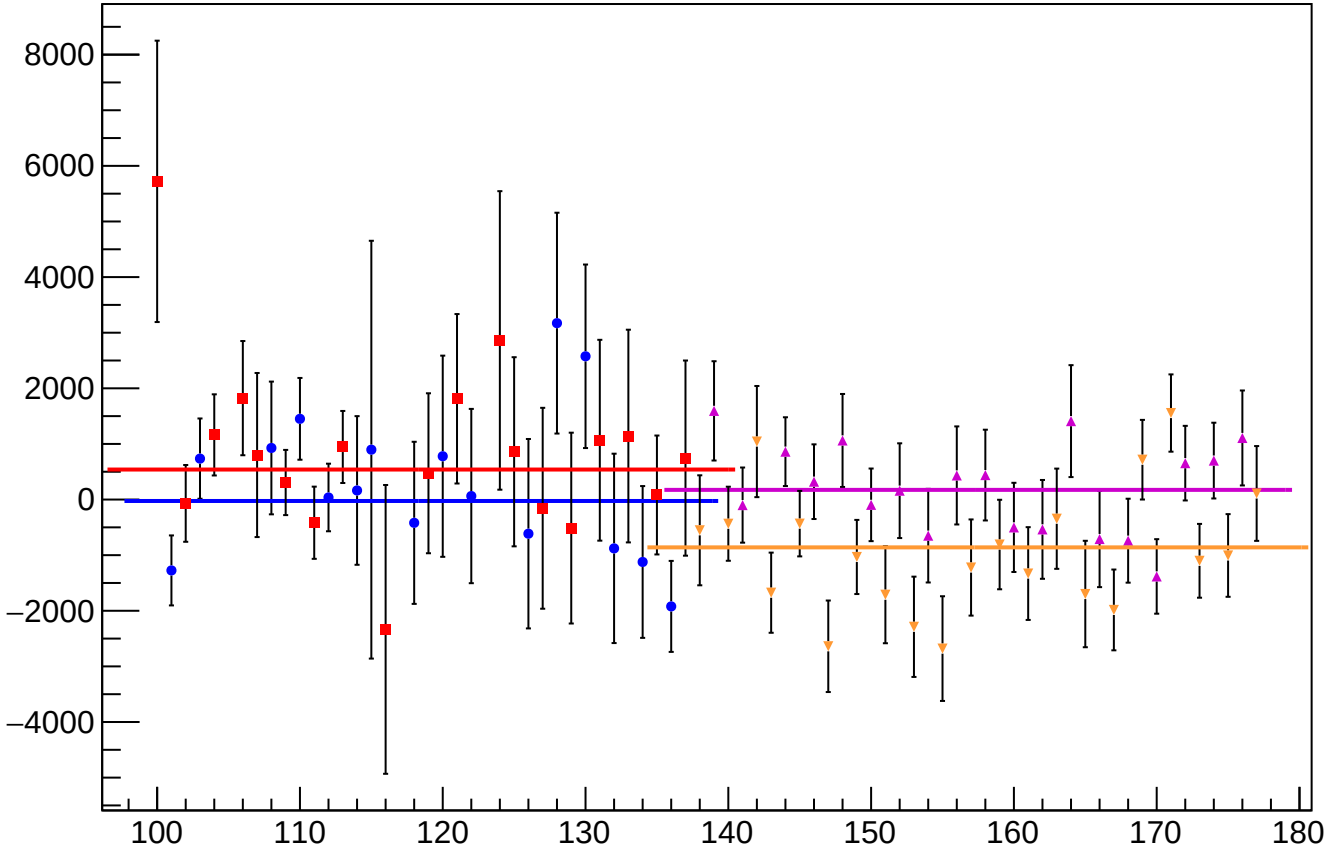
Right: 86.937+/-0.017 χ^2/NDF: 1620226.9/34

In: 100.966+/-0.015 χ^2/NDF:1428237.0/34

Out: 99.582+/-0.015 χ^2/NDF:2051364.3/39

All: 100.249+/-0.011 χ^2/NDF: 3483819.4/74

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: -859.952+/-170.235 χ^2/NDF:40.3/20

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 173.981+/-175.376 χ^2/NDF:19.5/18

Left: -358.362+/-122.151 χ^2/NDF: 77.7/39

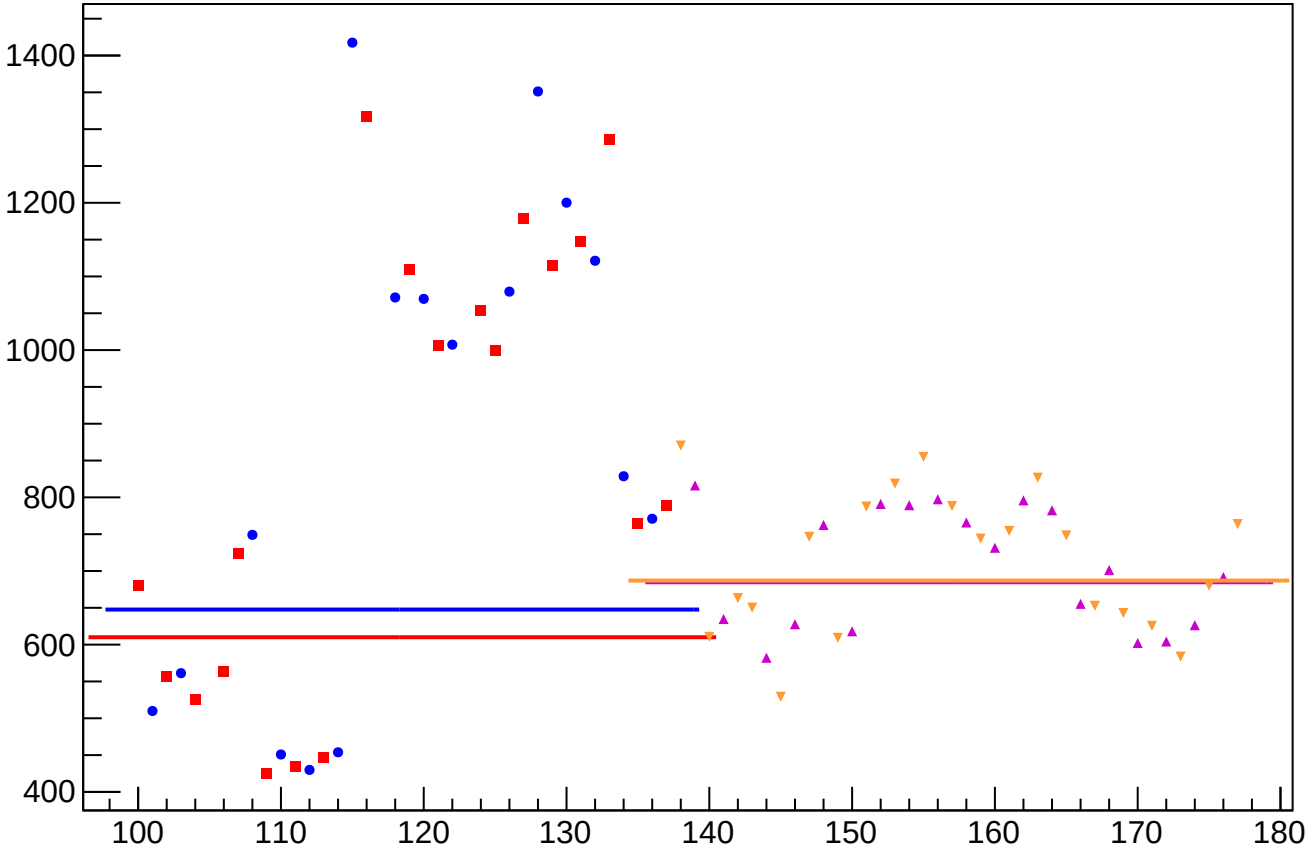
Right: 277.418+/-176.653 χ^2/NDF: 37.7/34

In: 111.319+/-145.287 χ^2/NDF:41.5/34

Out: -394.686+/-139.090 χ^2/NDF:76.4/39

All: -152.705+/-100.471 χ^2/NDF: 124.2/74

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: 687.019+/-0.120 χ^2/NDF:614907.7/20

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

Left In: 684.712+/-0.124 χ^2/NDF:410411.1/18

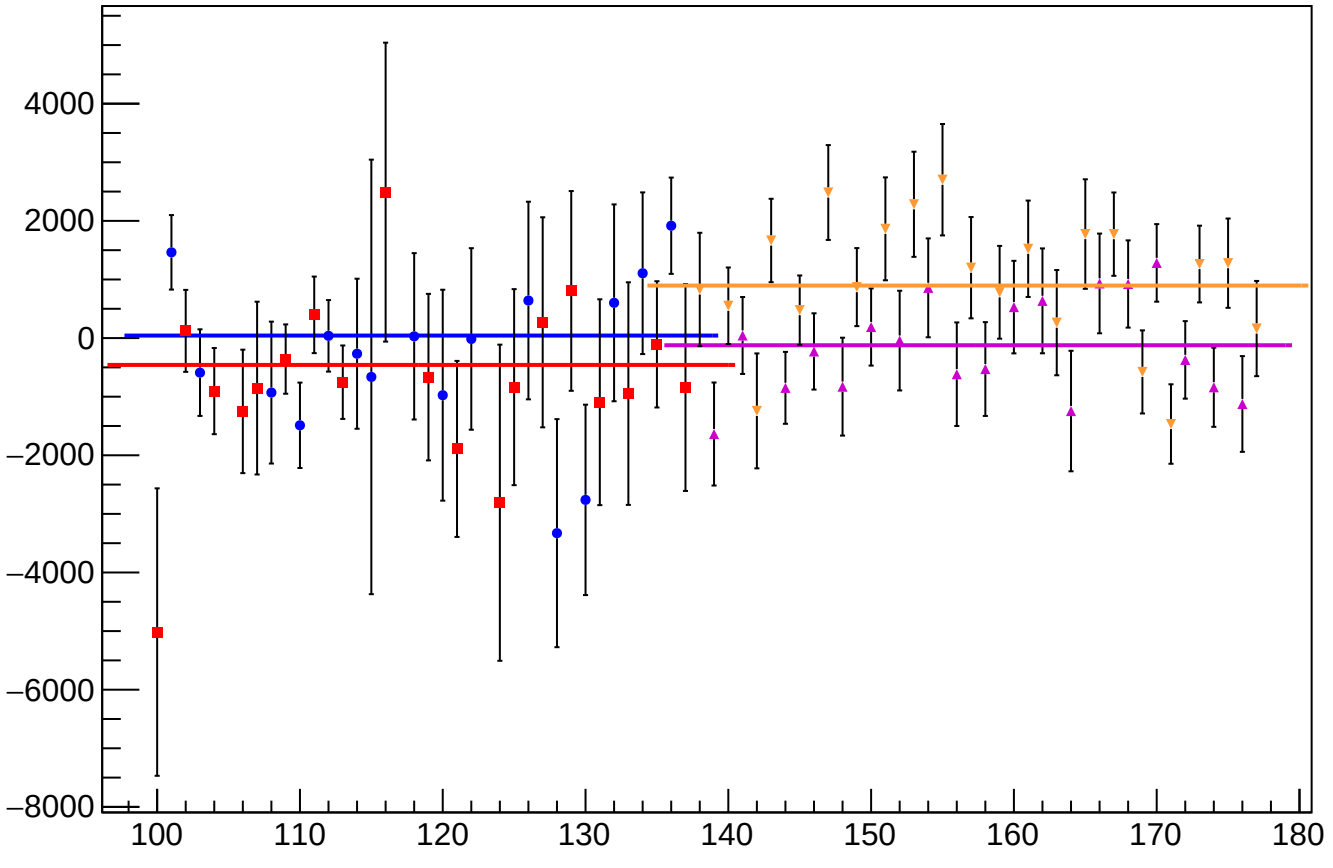
Left: 685.900+/-0.086 χ^2/NDF: 1025497.1/39

Right: 627.488+/-0.125 χ^2/NDF: 3984580.5/34

In: 673.082+/-0.103 χ^2/NDF:2326266.0/34

Out: 661.436+/-0.098 χ^2/NDF:2825040.1/39

All: 667.005+/-0.071 χ^2/NDF: 5158012.0/74



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 896.366+/-168.497 χ^2/NDF:39.2/20

Right Out: -458.111+/-241.118 χ^2/NDF: 11.3/18

Left In: -122.194+/-173.432 χ^2/NDF:20.7/18

Left: 401.783+/-120.852 χ^2/NDF: 77.7/39

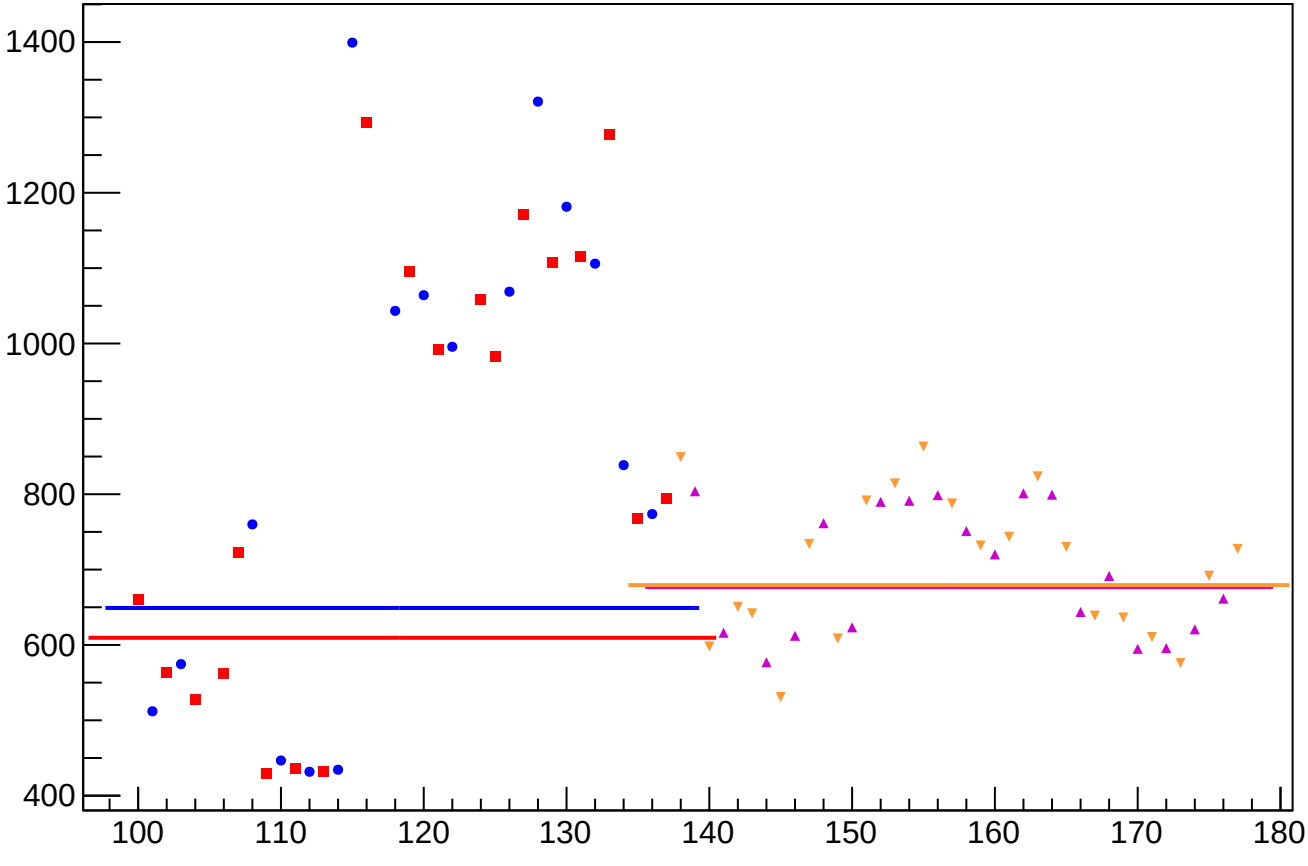
Right: -226.145+/-176.731 χ^2/NDF: 36.5/34

In: -71.223+/-144.244 χ^2/NDF:44.2/34

Out: 451.945+/-138.115 χ^2/NDF:71.7/39

All: 201.712+/-99.758 χ^2/NDF: 122.8/74

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 679.389+/-0.119 χ^2/NDF:612536.6/20

Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 676.738+/-0.123 χ^2/NDF:444943.1/18

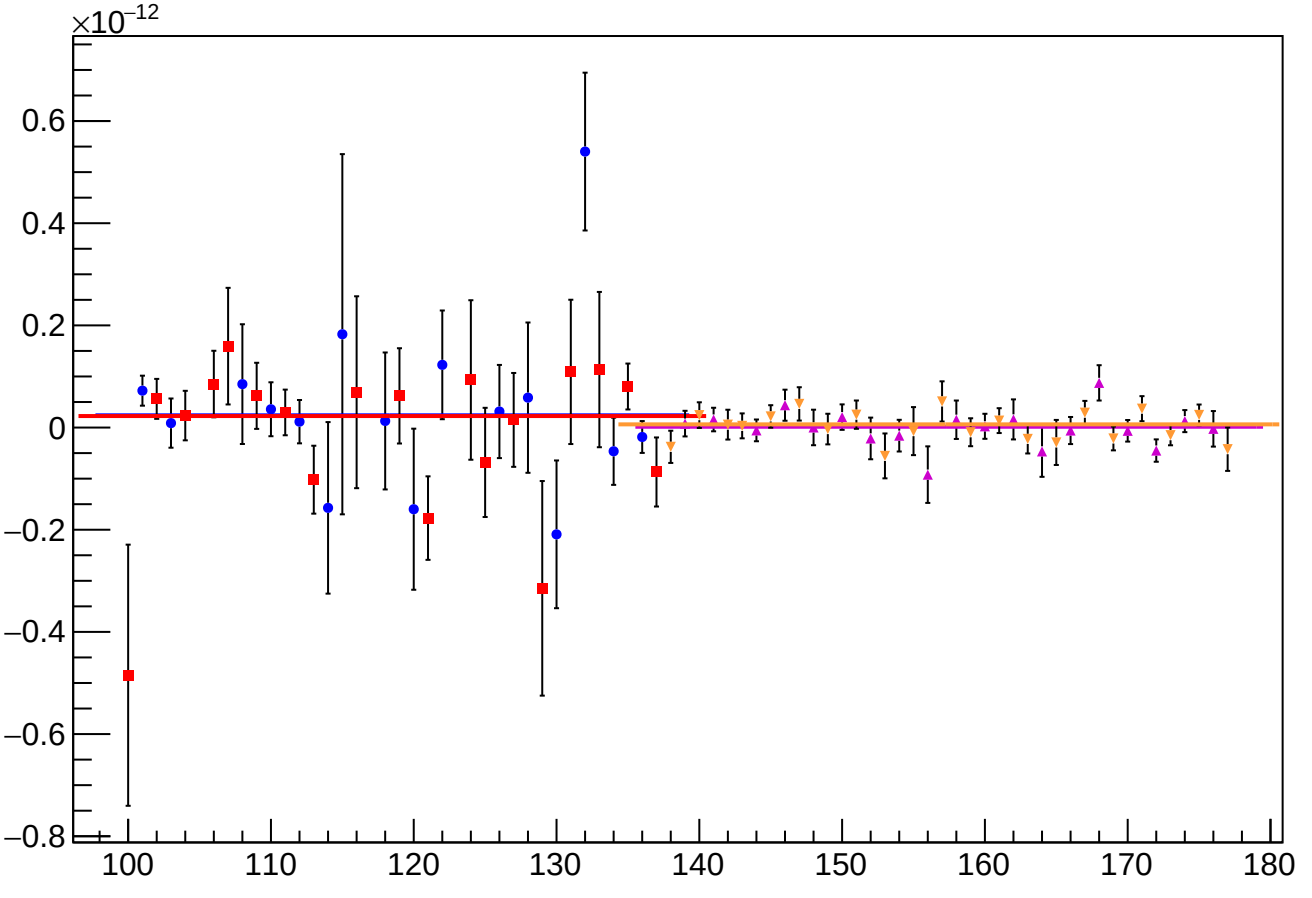
Left: 678.102+/-0.085 χ^2/NDF: 1057720.1/39

Right: 627.830+/-0.125 χ^2/NDF: 3914338.8/34

In: 668.215+/-0.102 χ^2/NDF:2306426.3/34

Out: 656.463+/-0.098 χ^2/NDF:2768972.5/39

All: 662.084+/-0.071 χ^2/NDF: 5082325.1/74



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.7/20

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: 0.000+/-0.000 χ^2/NDF:19.0/18

Left: 0.000+/-0.000 χ^2/NDF: 36.9/39

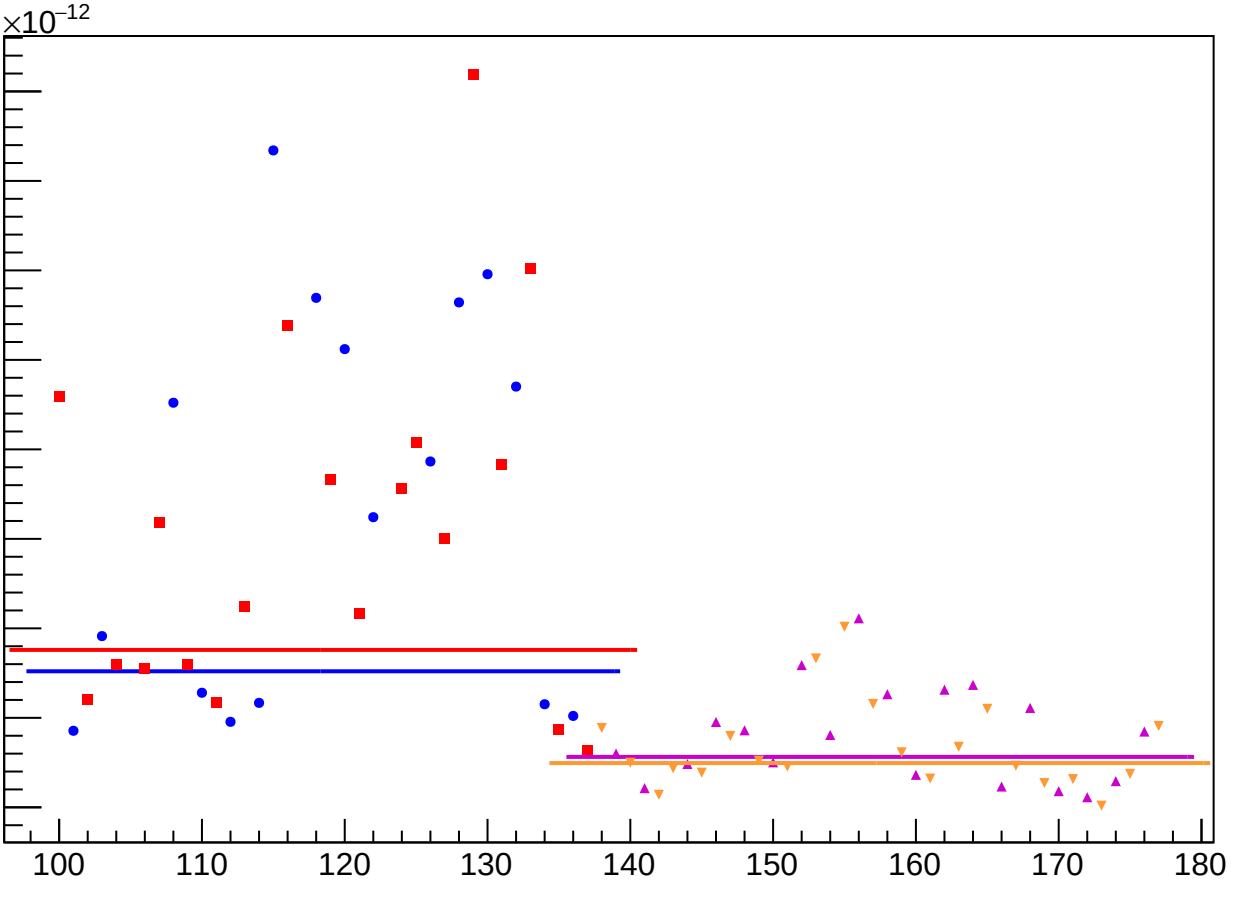
Right: 0.000+/-0.000 χ^2/NDF: 49.3/34

In: 0.000+/-0.000 χ^2/NDF:44.4/34

Out: 0.000+/-0.000 χ^2/NDF:44.2/39

All: 0.000+/-0.000 χ^2/NDF: 88.8/74

asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1312245.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:723218.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 988490.8/18

Left In: 0.000+/-0.000 χ^2/NDF:878512.9/18

Left: 0.000+/-0.000 χ^2/NDF: 1613936.9/39

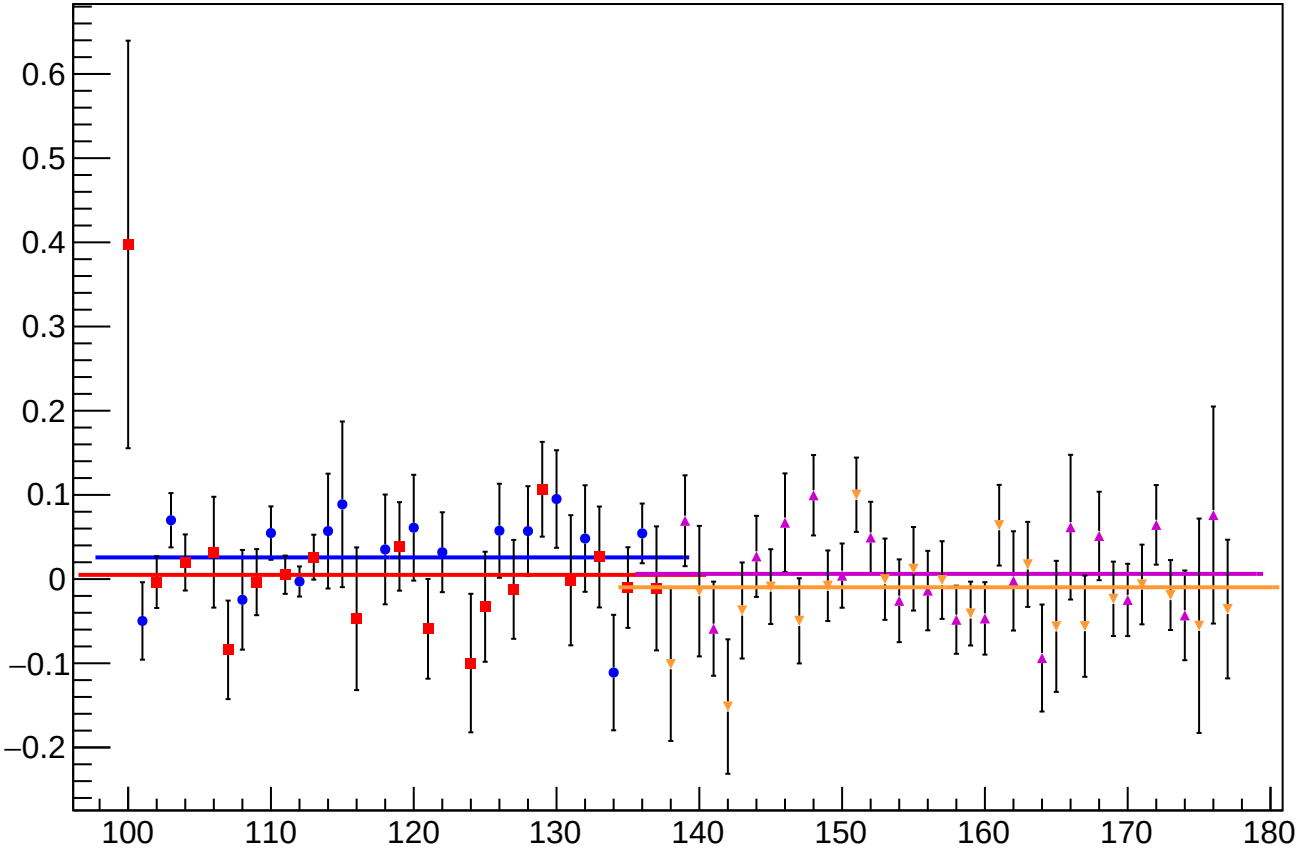
Right: 0.000+/-0.000 χ^2/NDF: 2323625.0/34

In: 0.000+/-0.000 χ^2/NDF:2862169.7/34

Out: 0.000+/-0.000 χ^2/NDF:2768073.0/39

All: 0.000+/-0.000 χ^2/NDF: 5643129.6/74

asym_sam_1548_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.011 χ^2/NDF:16.1/20

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.006+/-0.012 χ^2/NDF:19.6/18

Left: -0.002+/-0.008 χ^2/NDF: 36.7/39

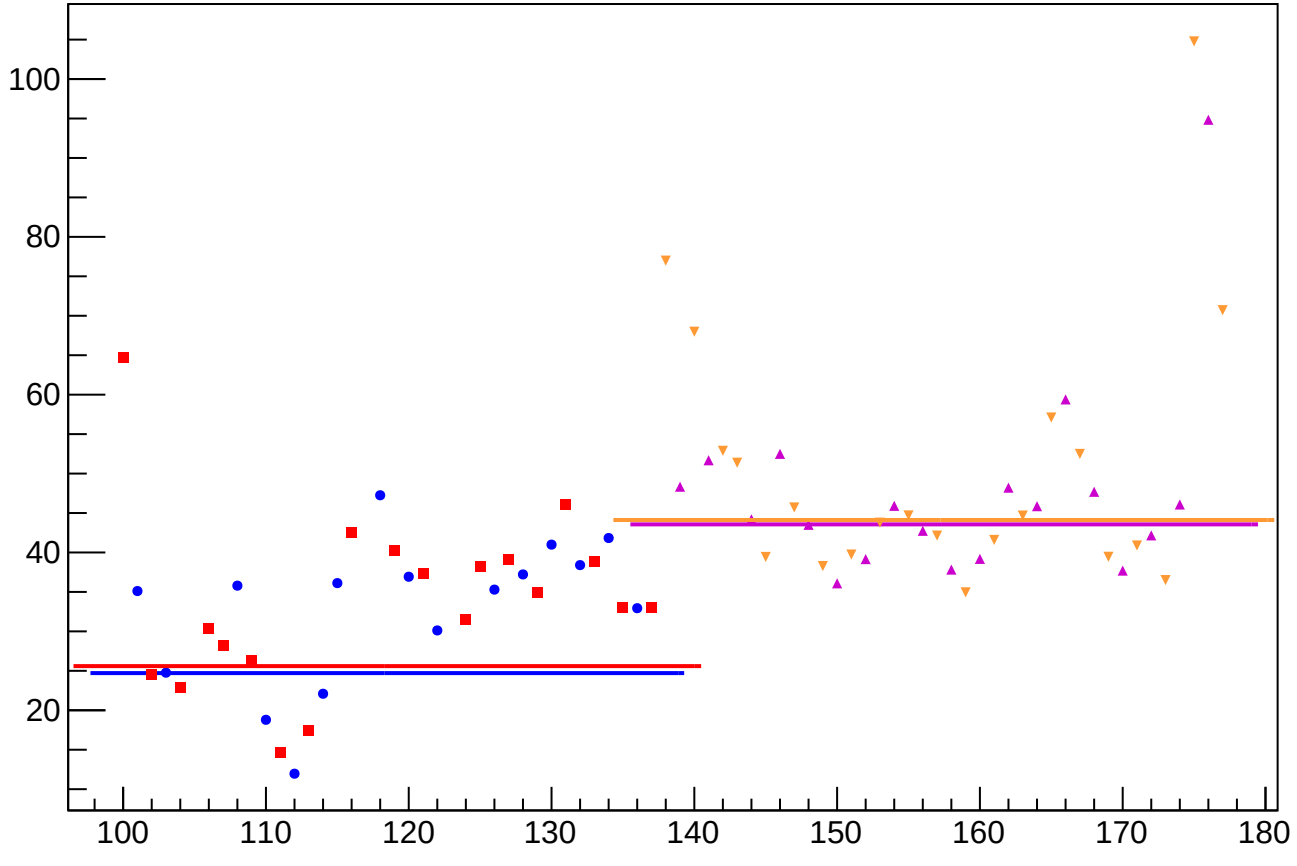
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.017+/-0.008 χ^2/NDF:37.7/34

Out: -0.002+/-0.008 χ^2/NDF:30.7/39

All: 0.008+/-0.005 χ^2/NDF: 71.4/74

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: 44.116+/-0.008 χ^2/NDF:1571179.8/20

Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 43.560+/-0.008 χ^2/NDF:724474.0/18

Left: 43.842+/-0.006 χ^2/NDF: 2298006.4/39

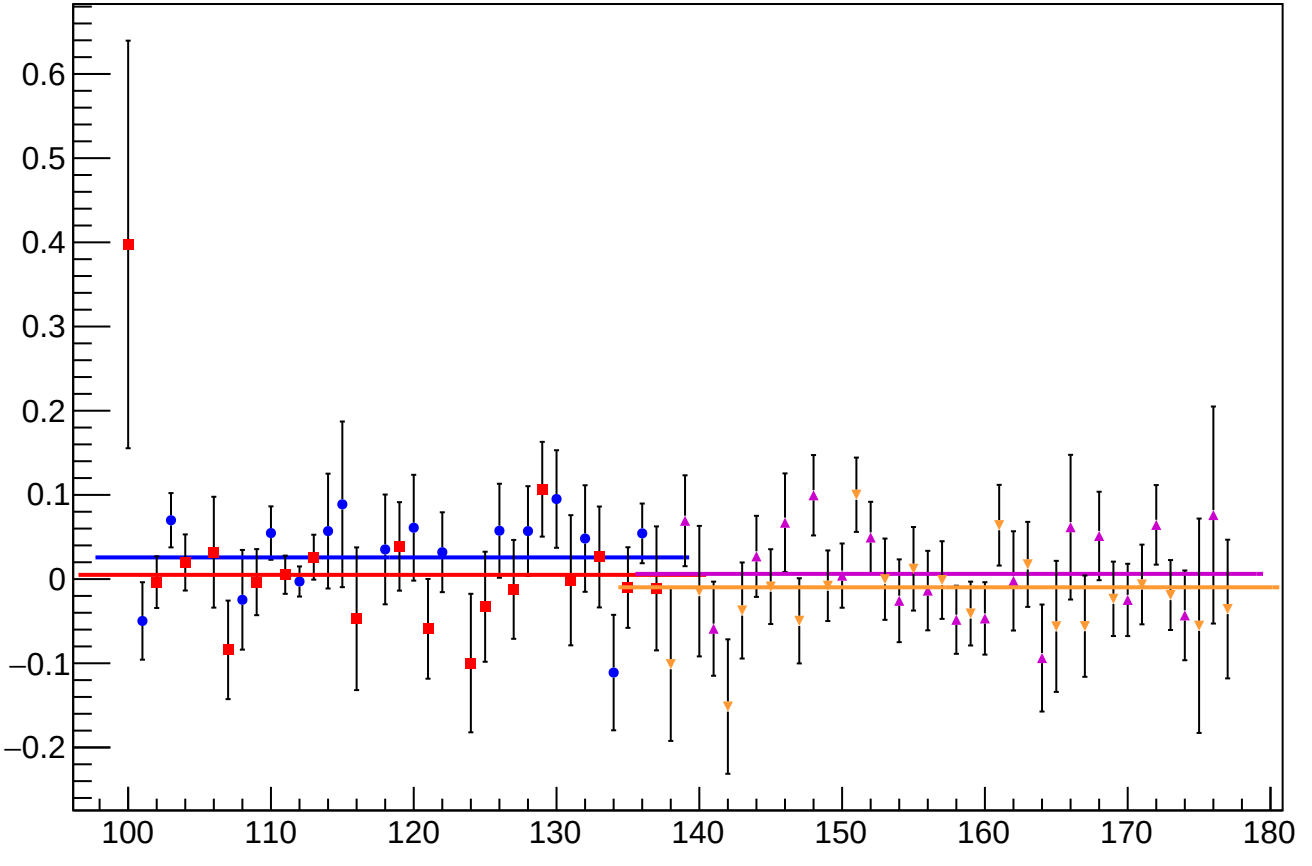
Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 33.126+/-0.005 χ^2/NDF:5976434.0/34

Out: 33.994+/-0.005 χ^2/NDF:6080582.1/39

All: 33.563+/-0.004 χ^2/NDF: 12069804.2/74

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:16.1/20

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.006+/-0.012 χ^2/NDF:19.6/18

Left: -0.002+/-0.008 χ^2/NDF: 36.7/39

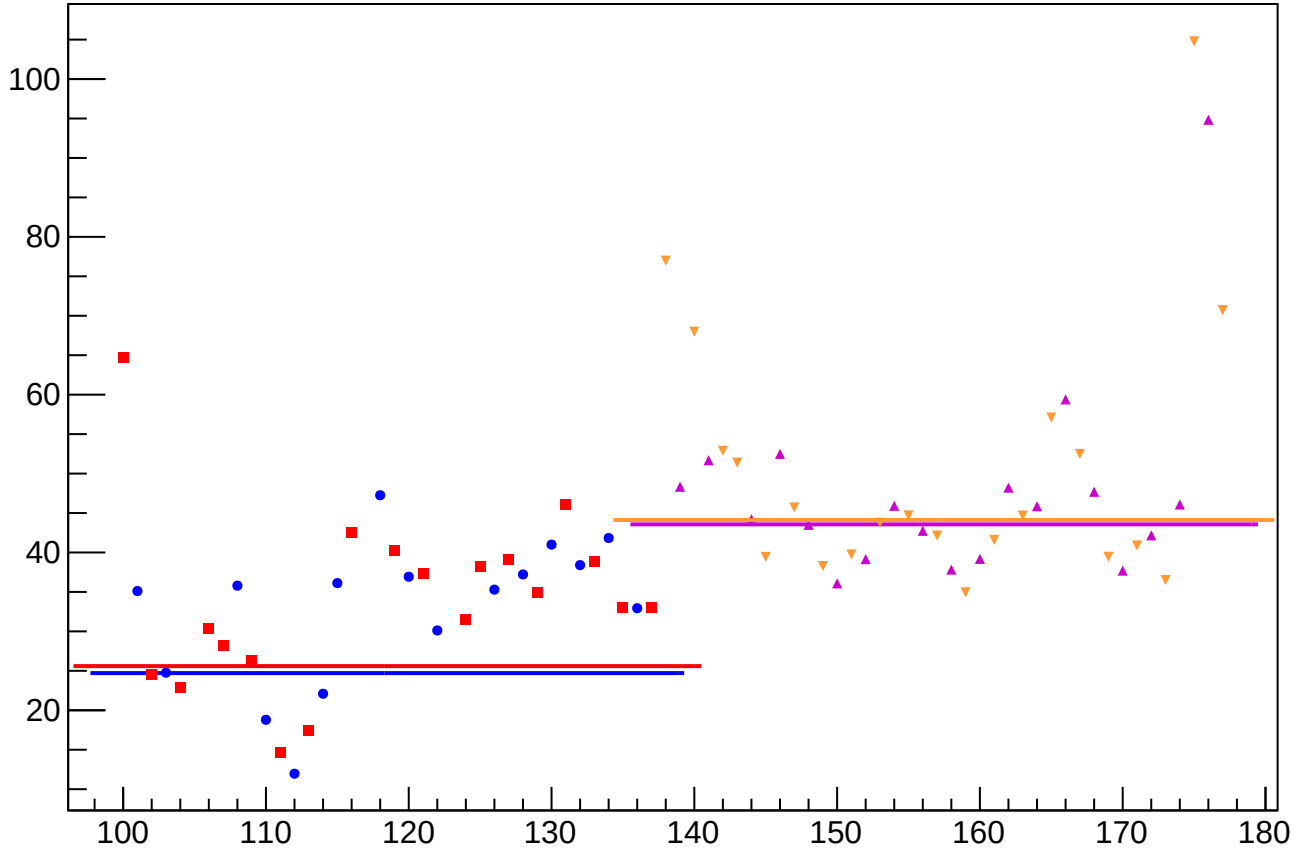
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.017+/-0.008 χ^2/NDF:37.7/34

Out: -0.002+/-0.008 χ^2/NDF:30.7/39

All: 0.008+/-0.005 χ^2/NDF: 71.4/74

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: 44.116+/-0.008 χ^2/NDF:1571179.8/20

Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 43.560+/-0.008 χ^2/NDF:724474.0/18

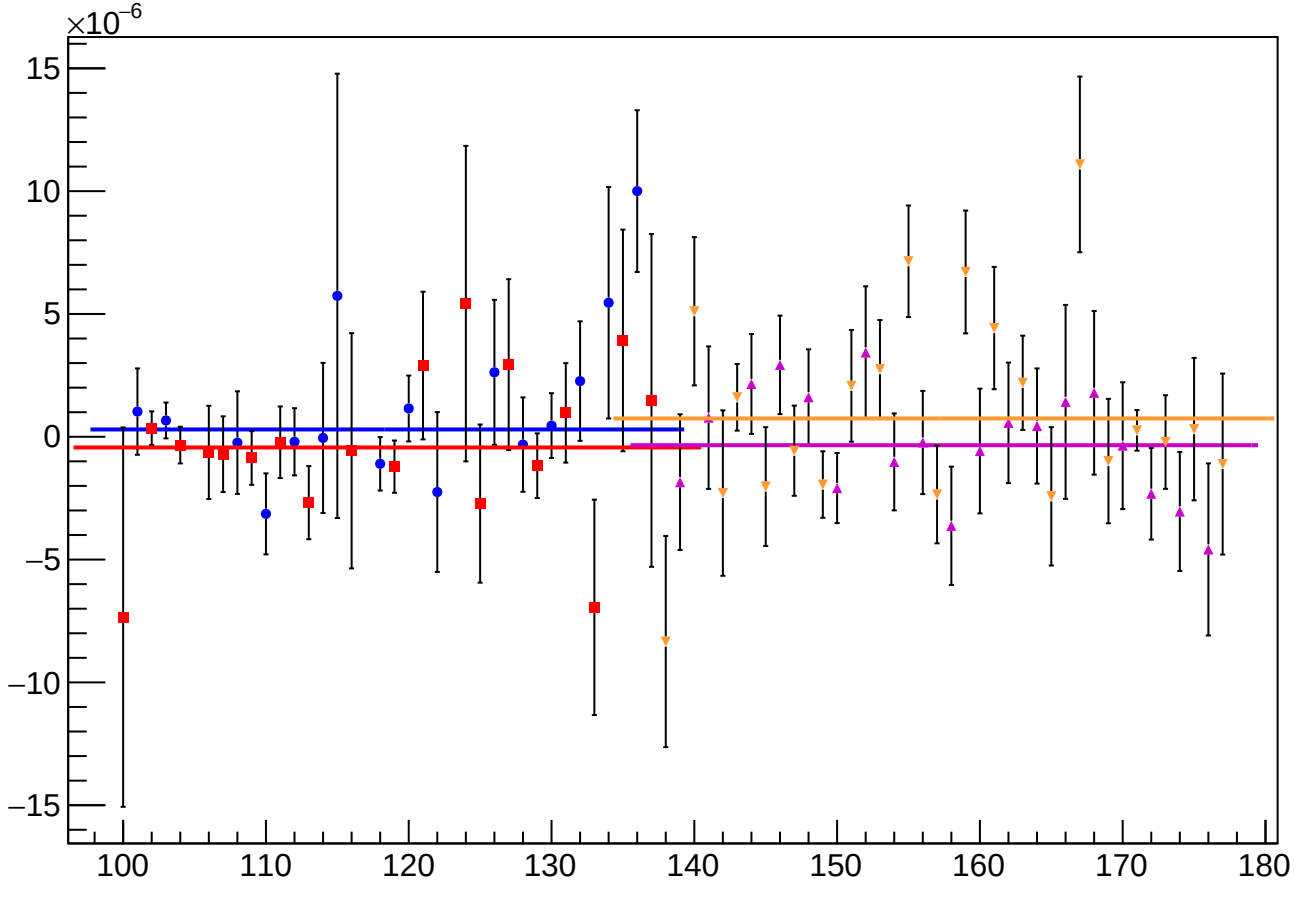
Left: 43.842+/-0.006 χ^2/NDF: 2298006.4/39

Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 33.126+/-0.005 χ^2/NDF:5976434.0/34

Out: 33.994+/-0.005 χ^2/NDF:6080582.1/39

All: 33.563+/-0.004 χ^2/NDF: 12069804.2/74



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:44.7/20

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: -0.000+/-0.000 χ^2/NDF:15.7/18

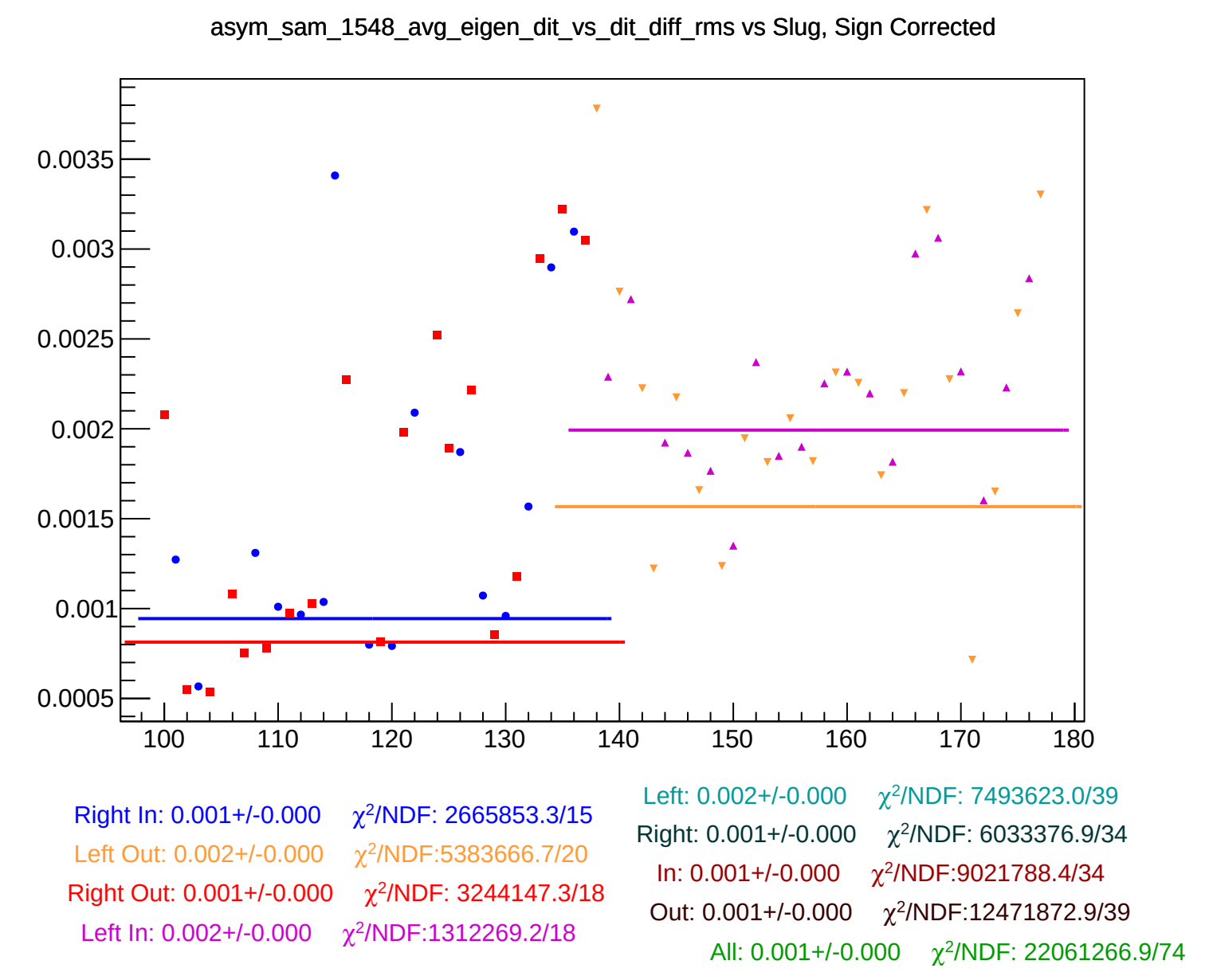
Left: 0.000+/-0.000 χ^2/NDF: 63.0/39

Right: -0.000+/-0.000 χ^2/NDF: 33.9/34

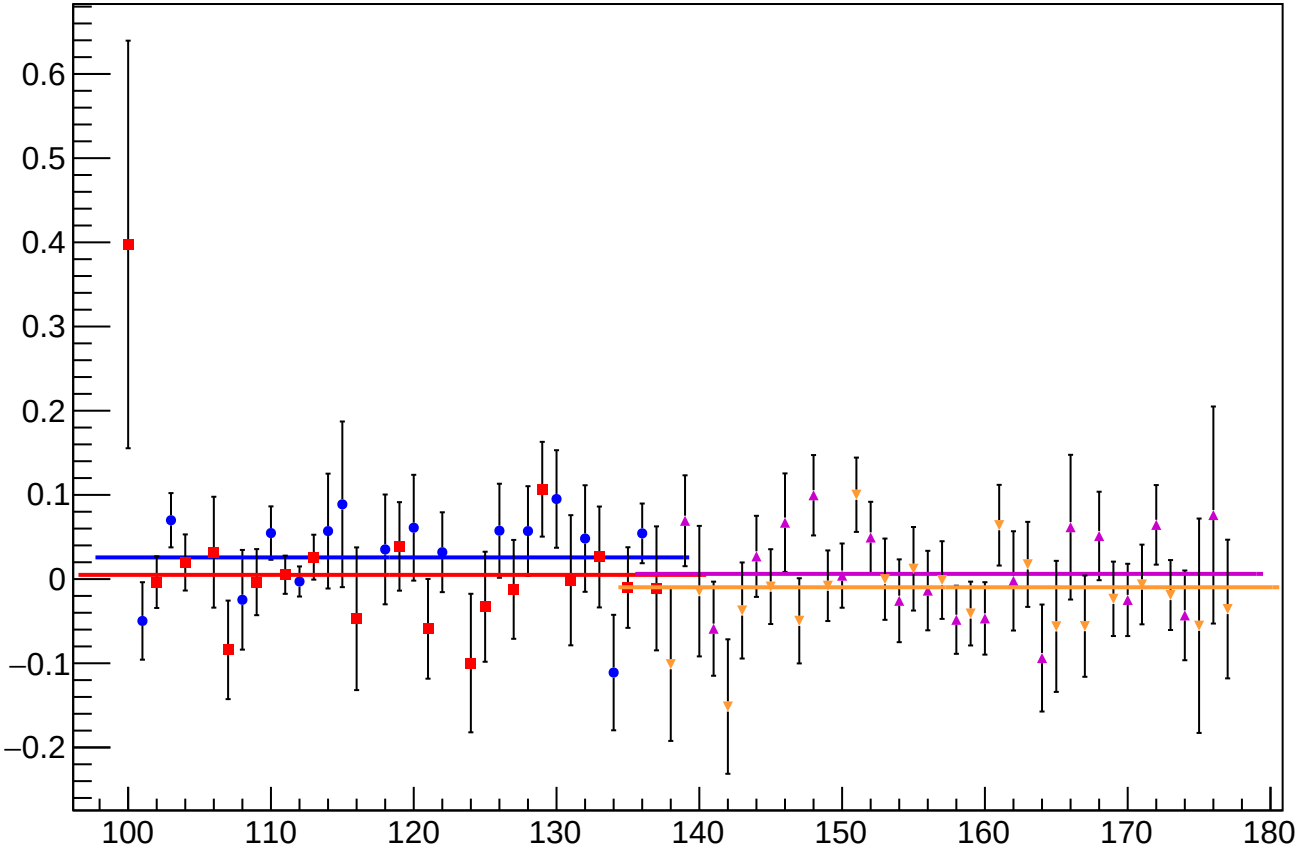
In: 0.000+/-0.000 χ^2/NDF:36.0/34

Out: 0.000+/-0.000 χ^2/NDF:62.1/39

All: 0.000+/-0.000 χ^2/NDF: 98.1/74


asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:5383666.7/20
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:1312269.2/18
Left: 0.002+/-0.000 χ²/NDF: 7493623.0/39
Right: 0.001+/-0.000 χ²/NDF: 6033376.9/34
In: 0.001+/-0.000 χ²/NDF:9021788.4/34
Out: 0.001+/-0.000 χ²/NDF:12471872.9/39
All: 0.001+/-0.000 χ²/NDF: 22061266.9/74

asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.011 χ^2/NDF:16.1/20

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.006+/-0.012 χ^2/NDF:19.6/18

Left: -0.002+/-0.008 χ^2/NDF: 36.7/39

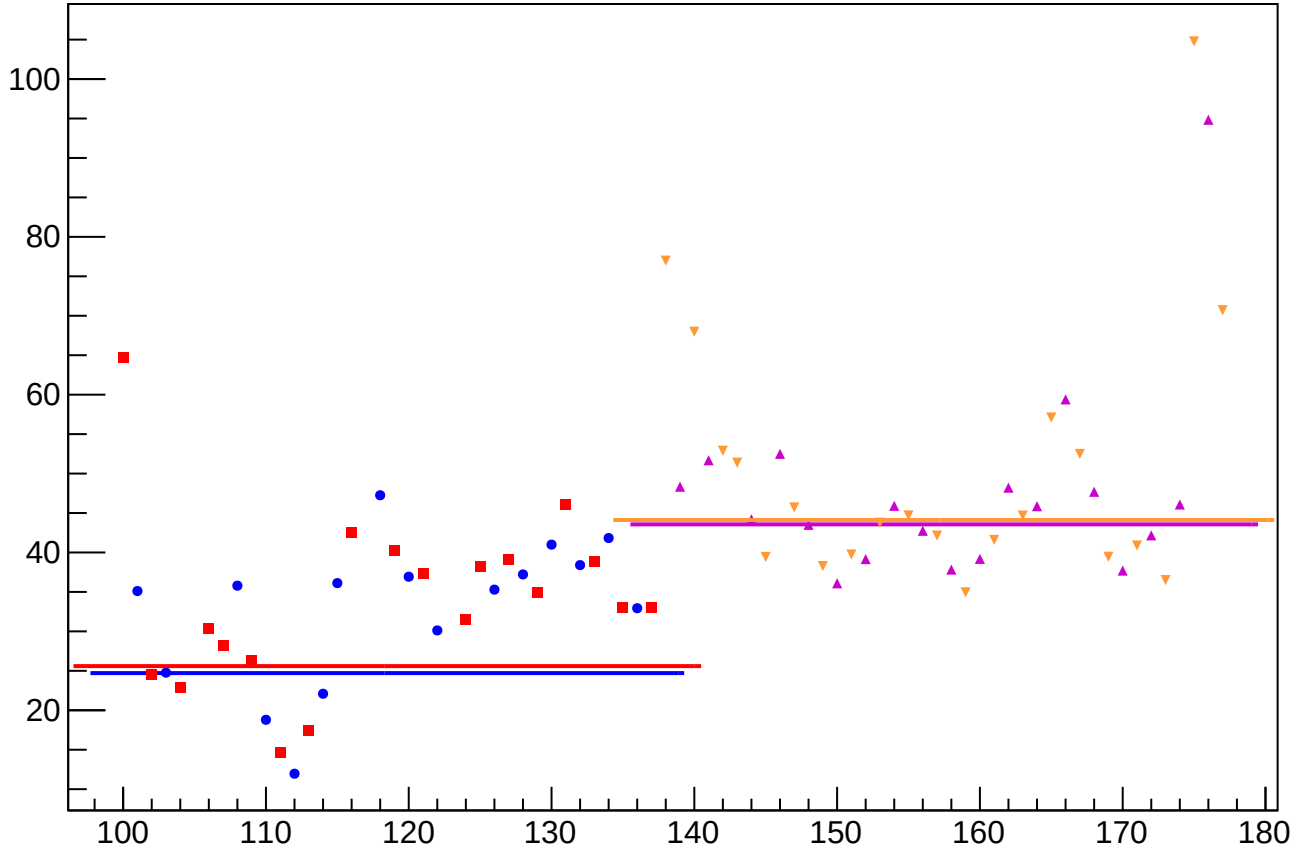
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.017+/-0.008 χ^2/NDF:37.7/34

Out: -0.002+/-0.008 χ^2/NDF:30.7/39

All: 0.008+/-0.005 χ^2/NDF: 71.4/74

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: 44.116+/-0.008 χ^2/NDF:1571122.6/20

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 43.561+/-0.008 χ^2/NDF:724445.7/18

Left: 43.843+/-0.006 χ^2/NDF: 2297920.5/39

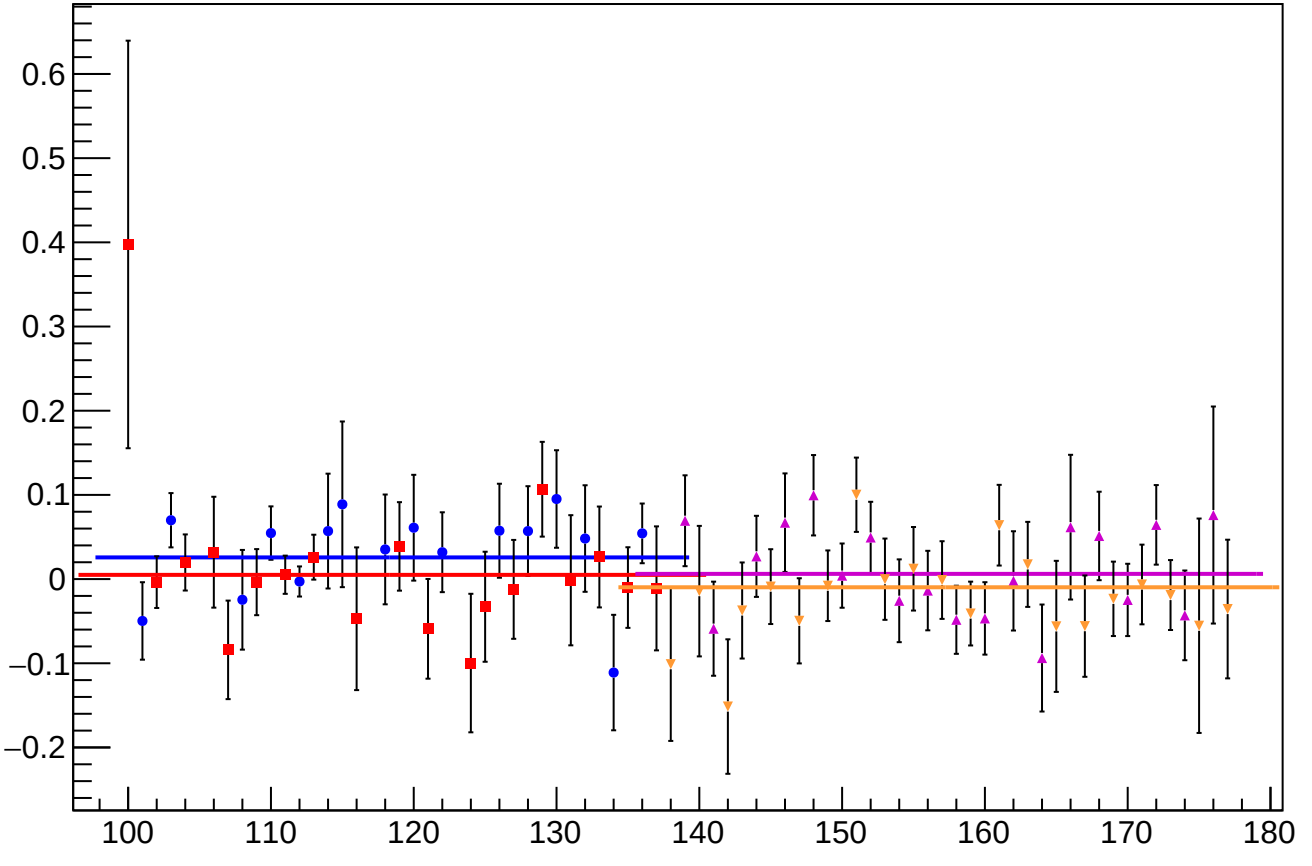
Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 33.125+/-0.005 χ^2/NDF:5976899.2/34

Out: 33.994+/-0.005 χ^2/NDF:6080925.2/39

All: 33.563+/-0.004 χ^2/NDF: 12070616.4/74

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.010+/-0.011 χ^2/NDF:16.1/20

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.006+/-0.012 χ^2/NDF:19.6/18

Left: -0.002+/-0.008 χ^2/NDF: 36.7/39

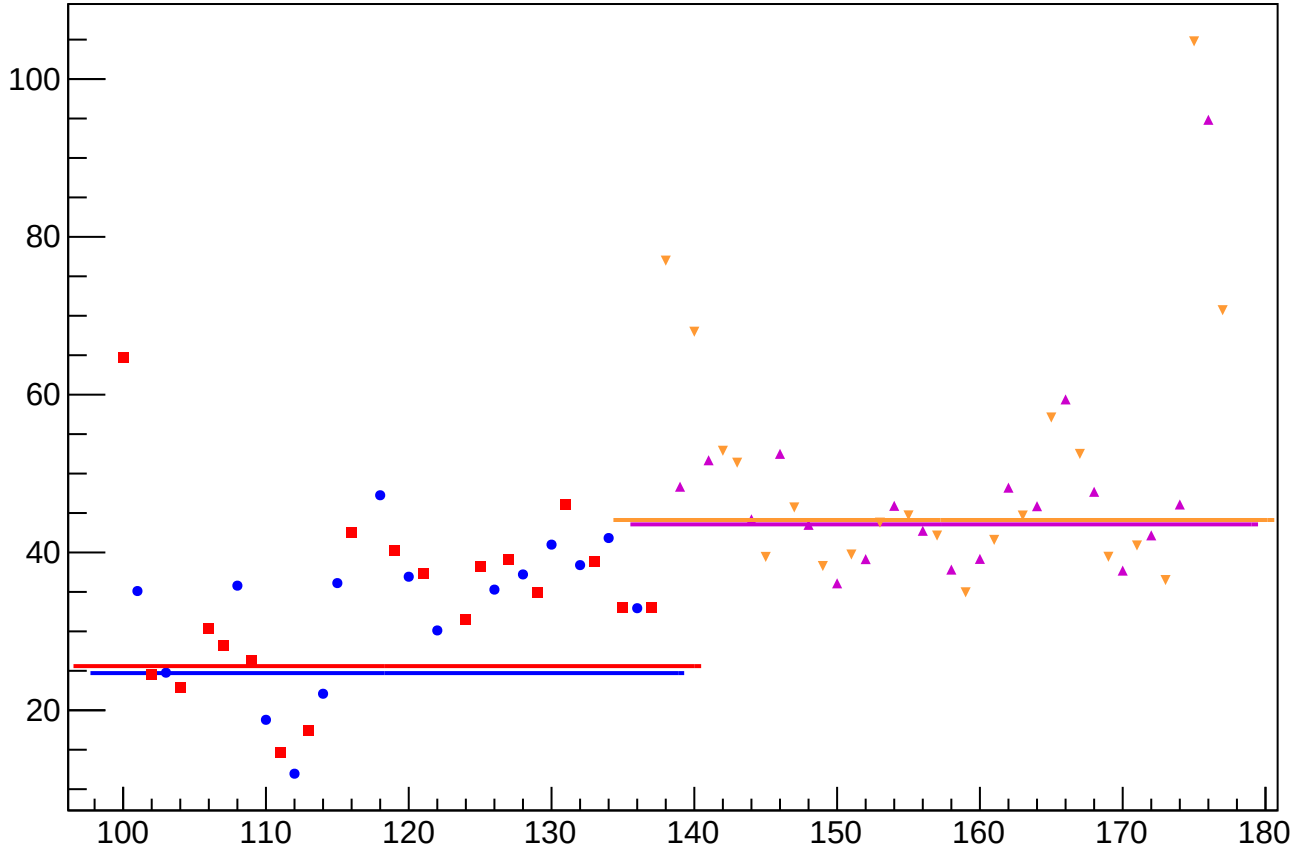
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.017+/-0.008 χ^2/NDF:37.7/34

Out: -0.002+/-0.008 χ^2/NDF:30.7/39

All: 0.008+/-0.005 χ^2/NDF: 71.4/74

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: 44.116+/-0.008 χ^2/NDF:1571122.6/20

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 43.561+/-0.008 χ^2/NDF:724445.7/18

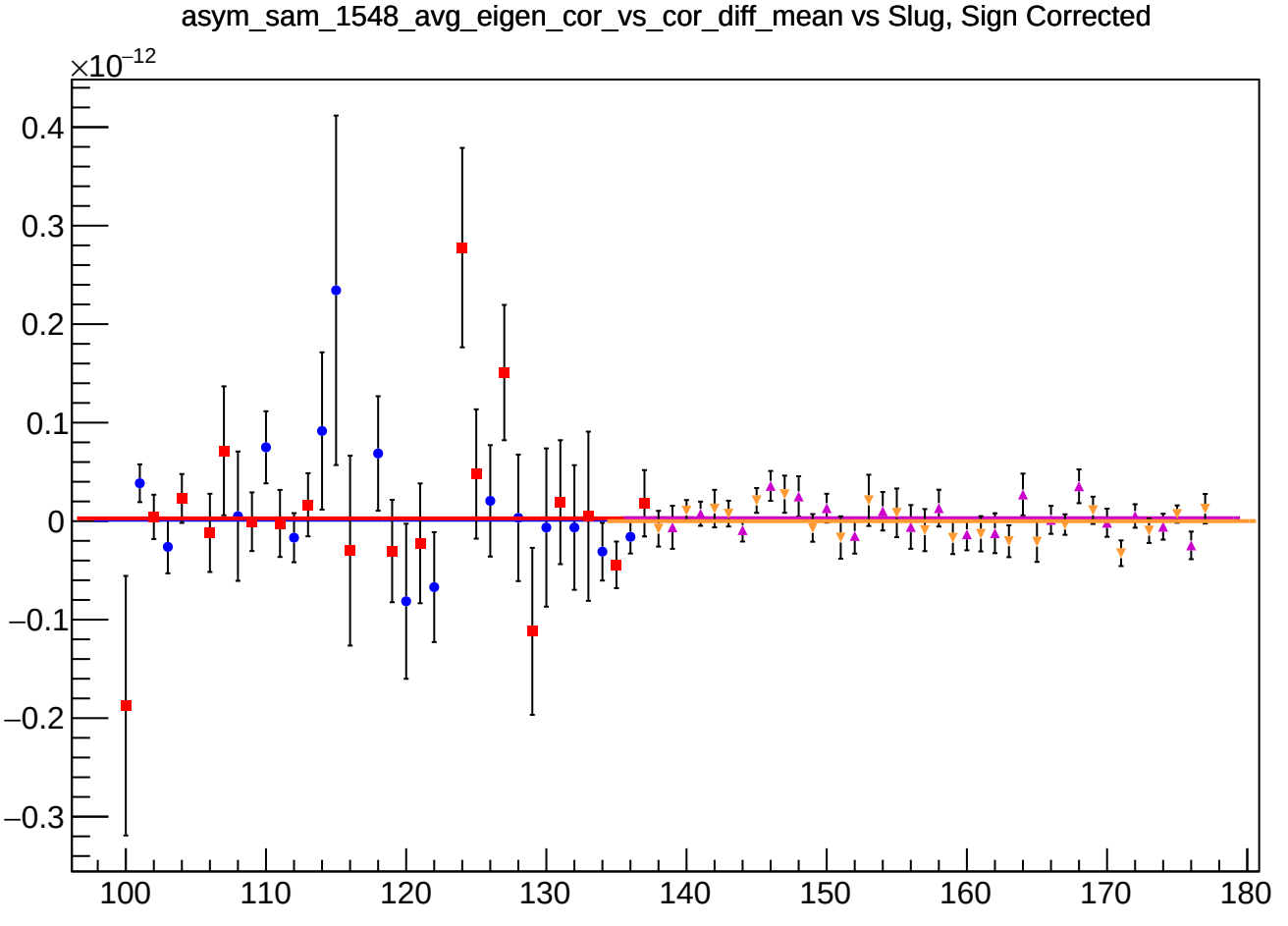
Left: 43.843+/-0.006 χ^2/NDF: 2297920.5/39

Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 33.125+/-0.005 χ^2/NDF:5976899.2/34

Out: 33.994+/-0.005 χ^2/NDF:6080925.2/39

All: 33.563+/-0.004 χ^2/NDF: 12070616.4/74



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: 0.000+/-0.000 χ^2/NDF:20.2/18

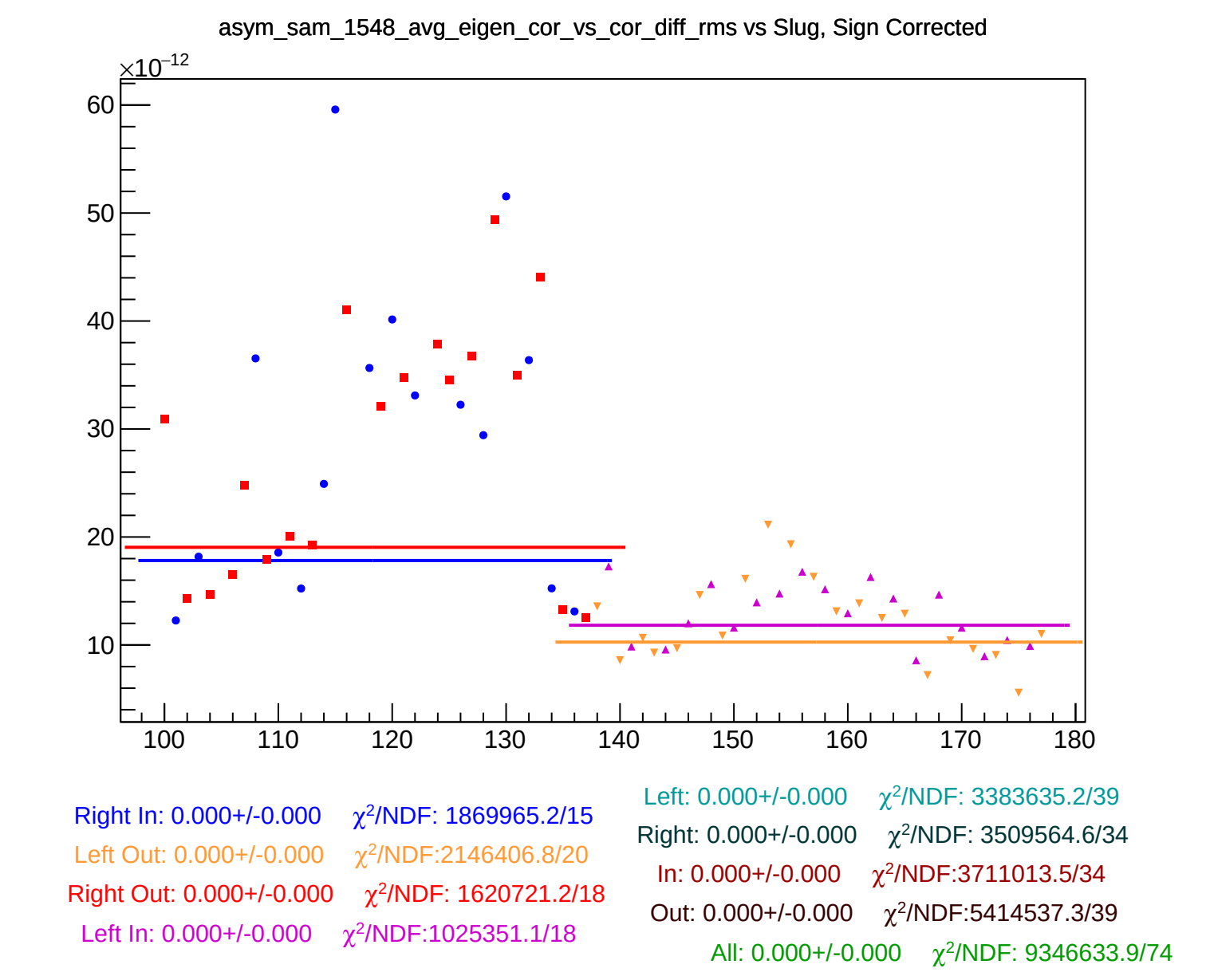
Left: 0.000+/-0.000 χ^2/NDF: 42.3/39

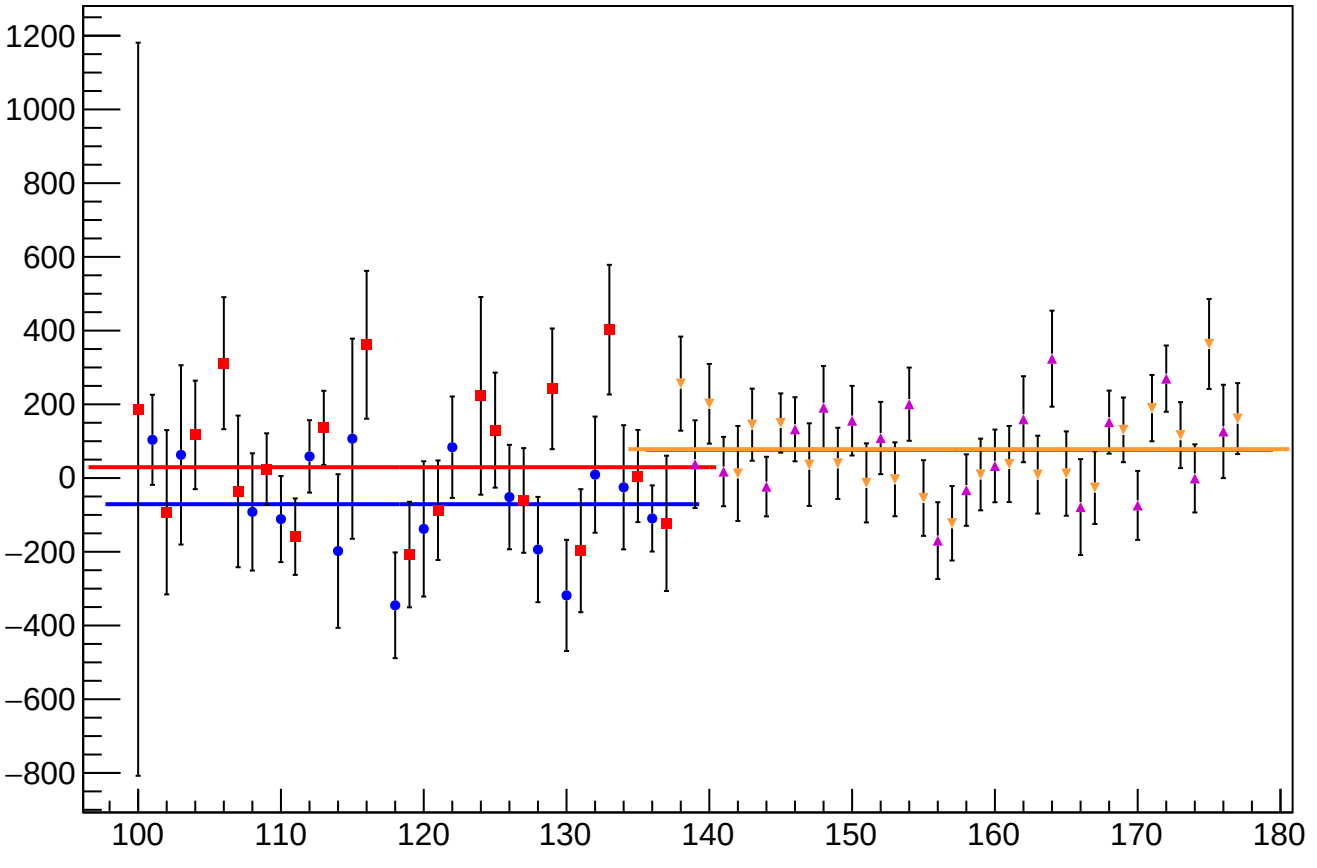
Right: 0.000+/-0.000 χ^2/NDF: 42.2/34

In: 0.000+/-0.000 χ^2/NDF:39.0/34

Out: 0.000+/-0.000 χ^2/NDF:45.3/39

All: 0.000+/-0.000 χ^2/NDF: 84.6/74


asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1869965.2/15
Left Out: 0.000+/-0.000 χ²/NDF:2146406.8/20
Right Out: 0.000+/-0.000 χ²/NDF: 1620721.2/18
Left In: 0.000+/-0.000 χ²/NDF:1025351.1/18
Left: 0.000+/-0.000 χ²/NDF: 3383635.2/39
Right: 0.000+/-0.000 χ²/NDF: 3509564.6/34
In: 0.000+/-0.000 χ²/NDF:3711013.5/34
Out: 0.000+/-0.000 χ²/NDF:5414537.3/39
All: 0.000+/-0.000 χ²/NDF: 9346633.9/74



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 78.355+/-22.057 χ^2/NDF:22.9/20

Right Out: 29.410+/-34.243 χ^2/NDF: 24.0/18

Left In: 76.645+/-22.866 χ^2/NDF:27.3/18

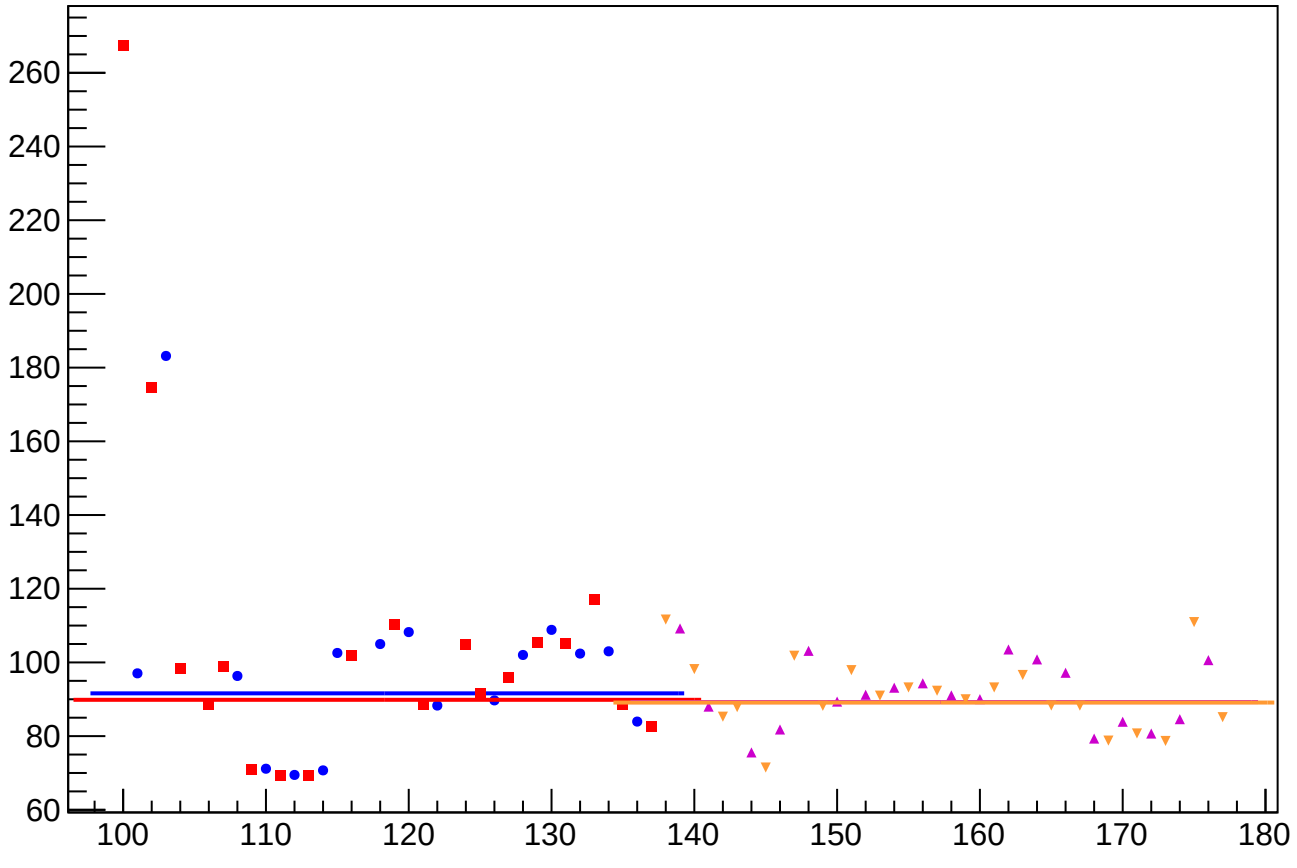
Left: 77.531+/-15.875 χ^2/NDF: 50.1/39

Right: -19.470+/-24.518 χ^2/NDF: 42.3/34

In: 32.726+/-19.163 χ^2/NDF:53.7/34

Out: 64.002+/-18.543 χ^2/NDF:48.3/39

All: 48.877+/-13.326 χ^2/NDF: 103.4/74



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 89.111+/-0.016 χ^2/NDF:373389.1/20

Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 89.239+/-0.016 χ^2/NDF:294204.4/18

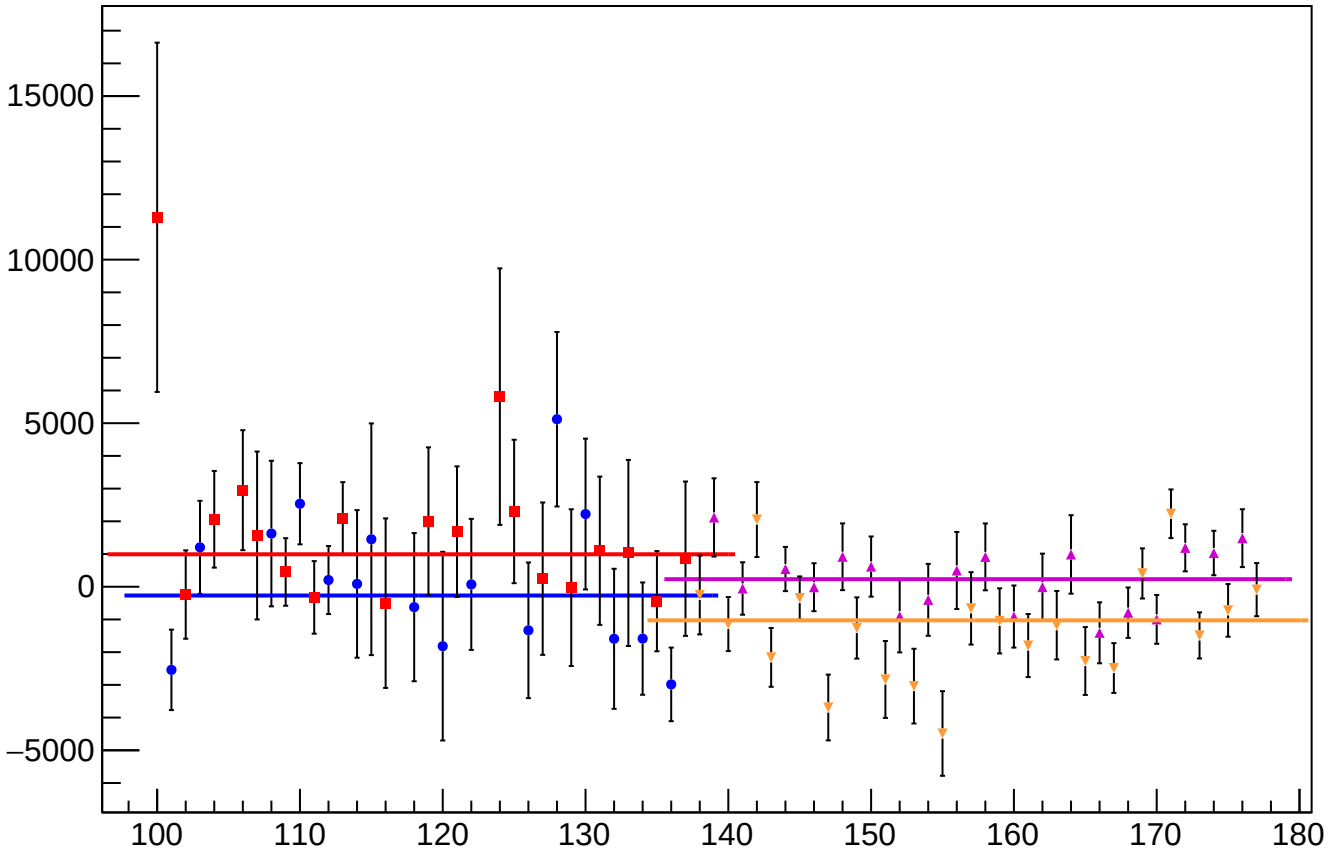
Left: 89.173+/-0.011 χ^2/NDF: 667626.0/39

Right: 90.709+/-0.017 χ^2/NDF: 1329517.7/34

In: 89.945+/-0.014 χ^2/NDF:881265.0/34

Out: 89.329+/-0.013 χ^2/NDF:1120344.0/39

All: 89.627+/-0.009 χ^2/NDF: 2002674.1/74



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -1026.998+/-197.189 χ^2/NDF:60.5/20

Right Out: 992.670+/-400.824 χ^2/NDF: 12.7/18

Left In: 231.156+/-201.845 χ^2/NDF:20.1/18

Left: -412.600+/-141.051 χ^2/NDF: 100.5/39

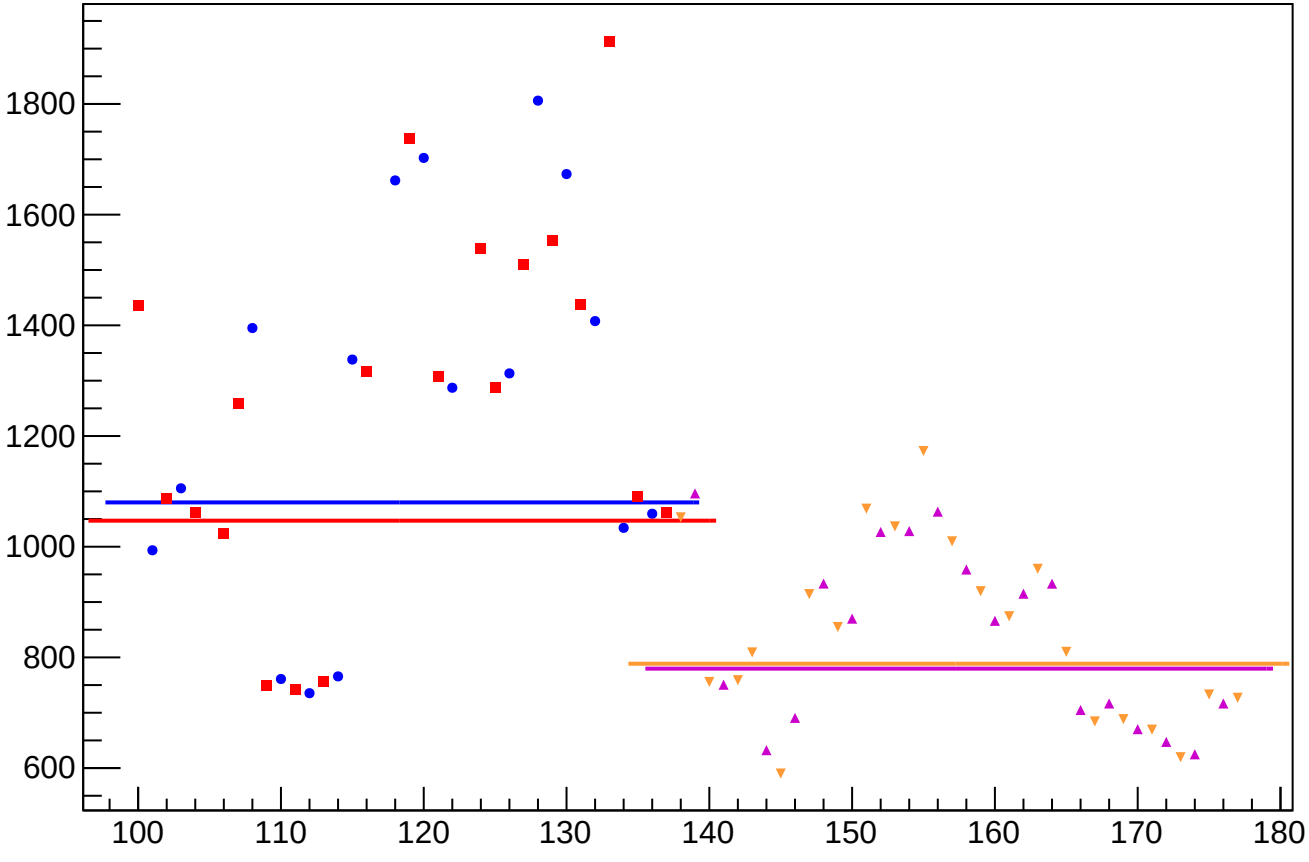
Right: 390.906+/-289.829 χ^2/NDF: 40.8/34

In: 137.256+/-181.892 χ^2/NDF:44.7/34

Out: -633.440+/-176.937 χ^2/NDF:93.6/39

All: -258.734+/-126.829 χ^2/NDF: 147.5/74

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: 788.577+/-0.139 χ^2/NDF:1152379.7/20

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

Left In: 779.677+/-0.143 χ^2/NDF:1046970.8/18

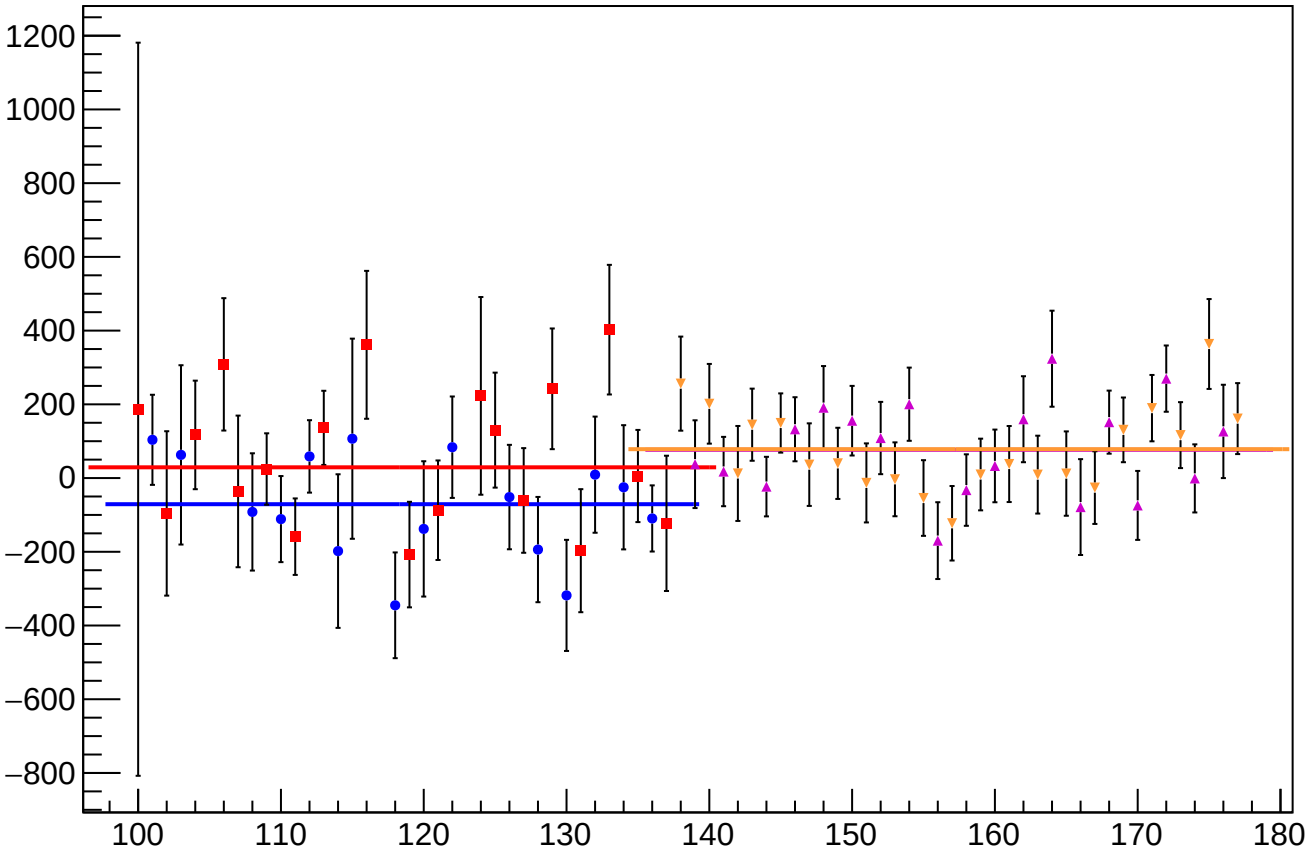
Left: 784.231+/-0.100 χ^2/NDF: 2201340.1/39

Right: 1062.803+/-0.205 χ^2/NDF: 2258574.4/34

In: 836.126+/-0.129 χ^2/NDF:2932785.8/34

Out: 838.947+/-0.125 χ^2/NDF:3020726.9/39

All: 837.576+/-0.090 χ^2/NDF: 5953759.9/74



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 78.360+/-22.057 χ^2/NDF:22.9/20

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 76.645+/-22.866 χ^2/NDF:27.3/18

Left: 77.533+/-15.875 χ^2/NDF: 50.1/39

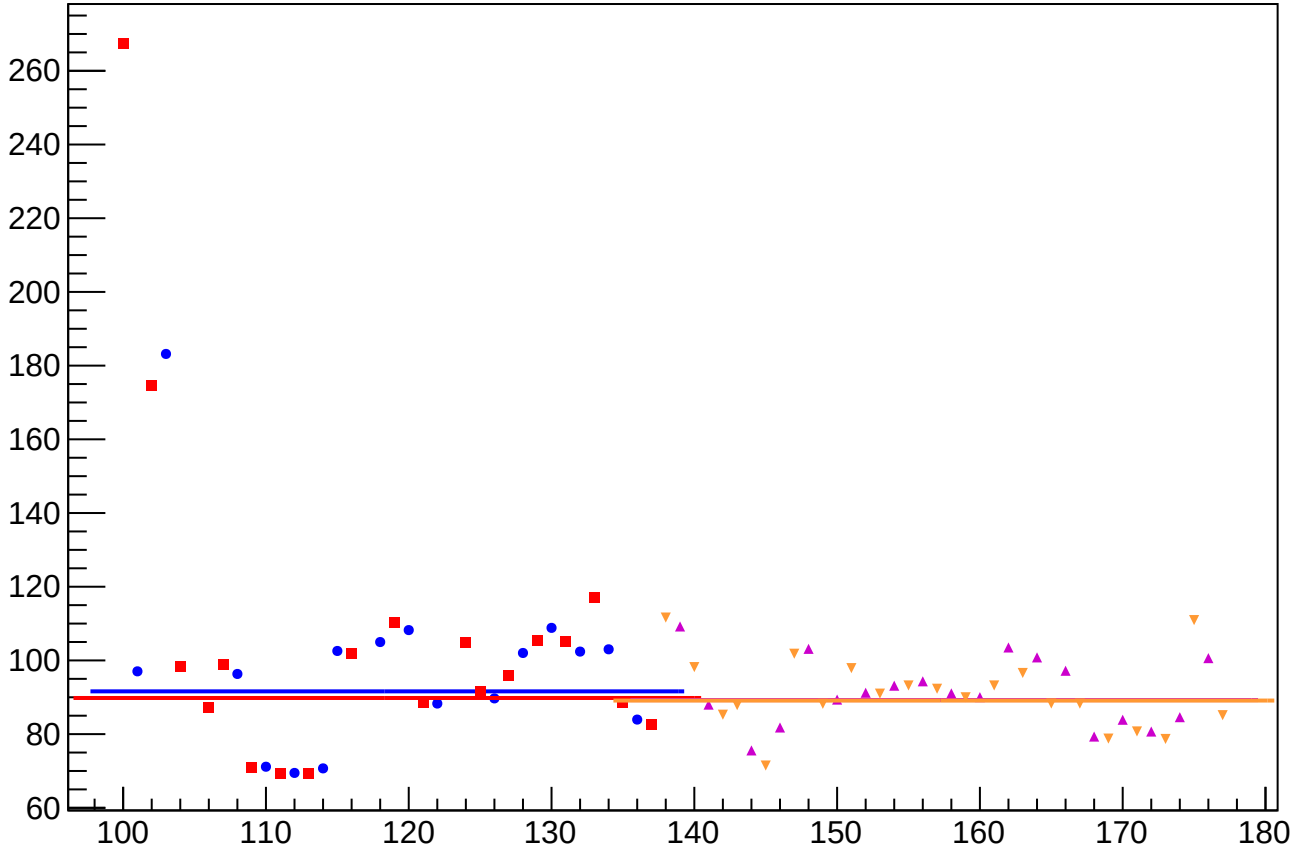
Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 32.722+/-19.163 χ^2/NDF:53.7/34

Out: 63.934+/-18.544 χ^2/NDF:48.3/39

All: 48.840+/-13.326 χ^2/NDF: 103.4/74

cor_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 89.111+/-0.016 χ^2/NDF:373389.1/20

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 89.239+/-0.016 χ^2/NDF:294204.4/18

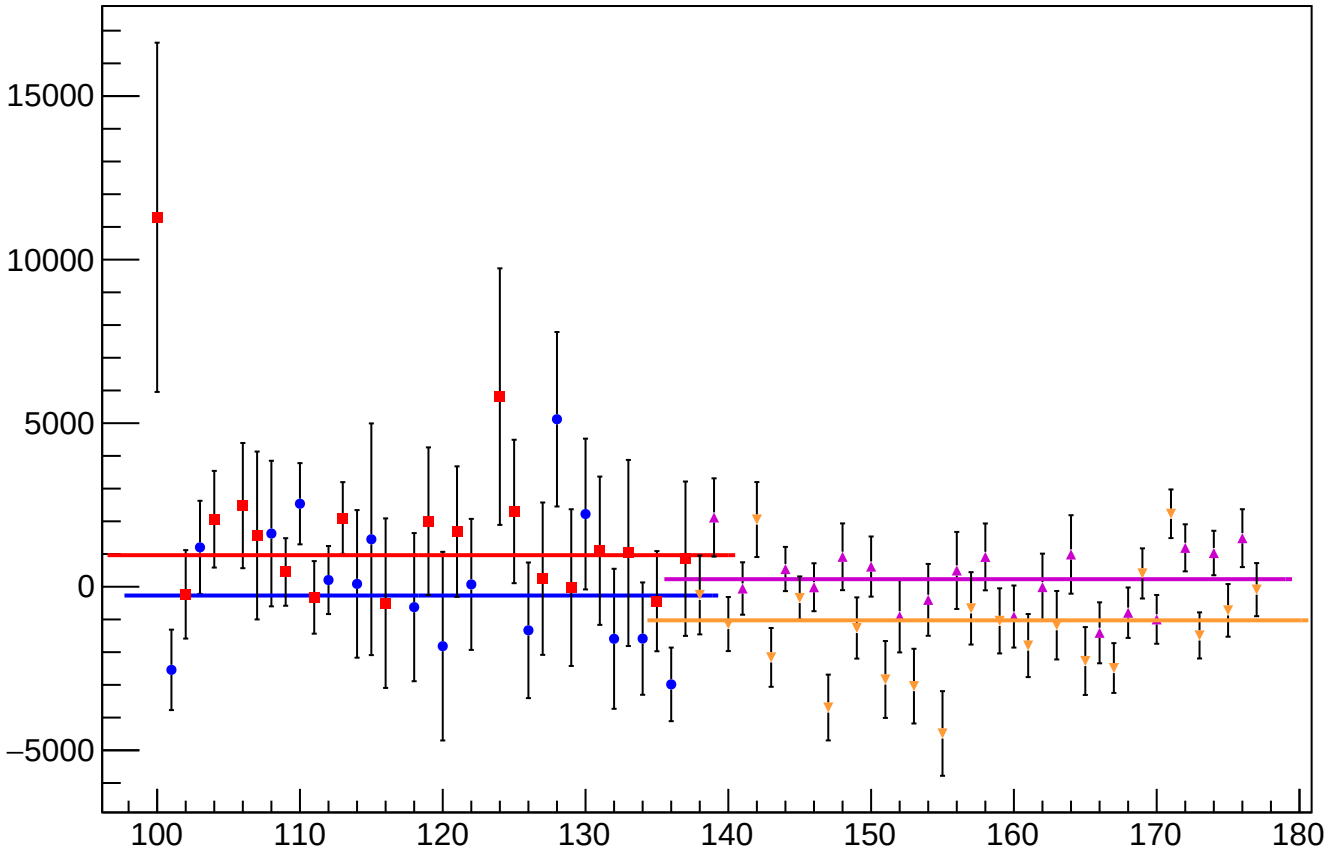
Left: 89.173+/-0.011 χ^2/NDF: 667626.0/39

Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 89.945+/-0.014 χ^2/NDF:881268.1/34

Out: 89.315+/-0.013 χ^2/NDF:1120806.0/39

All: 89.620+/-0.009 χ^2/NDF: 2003187.9/74



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1026.992+/-197.189 χ^2/NDF:60.5/20

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 231.160+/-201.845 χ^2/NDF:20.1/18

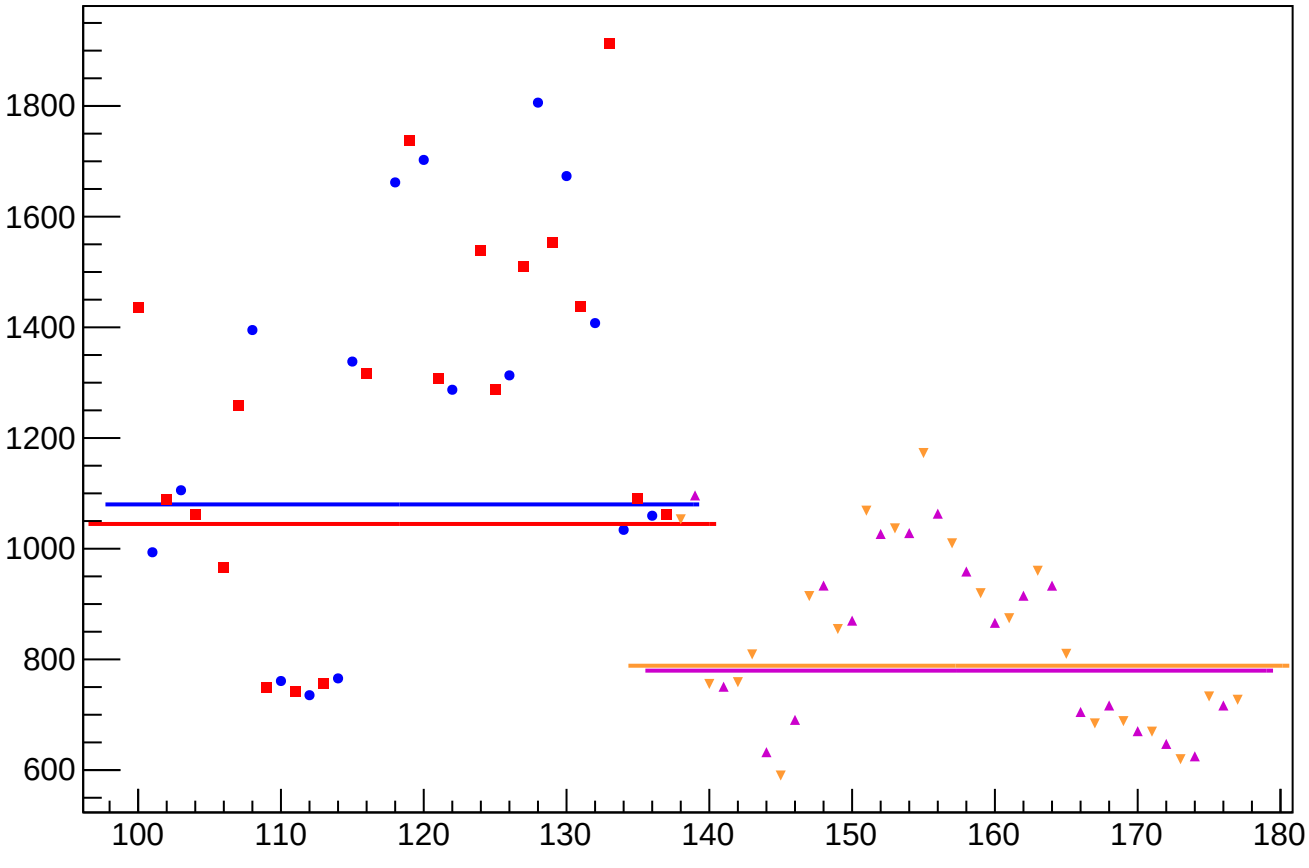
Left: -412.595+/-141.051 χ^2/NDF: 100.5/39

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 137.257+/-181.893 χ^2/NDF:44.7/34

Out: -640.088+/-177.006 χ^2/NDF:92.4/39

All: -261.998+/-126.855 χ^2/NDF: 146.5/74



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 788.577+/-0.139 χ^2/NDF:1152382.0/20

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 779.677+/-0.143 χ^2/NDF:1046970.2/18

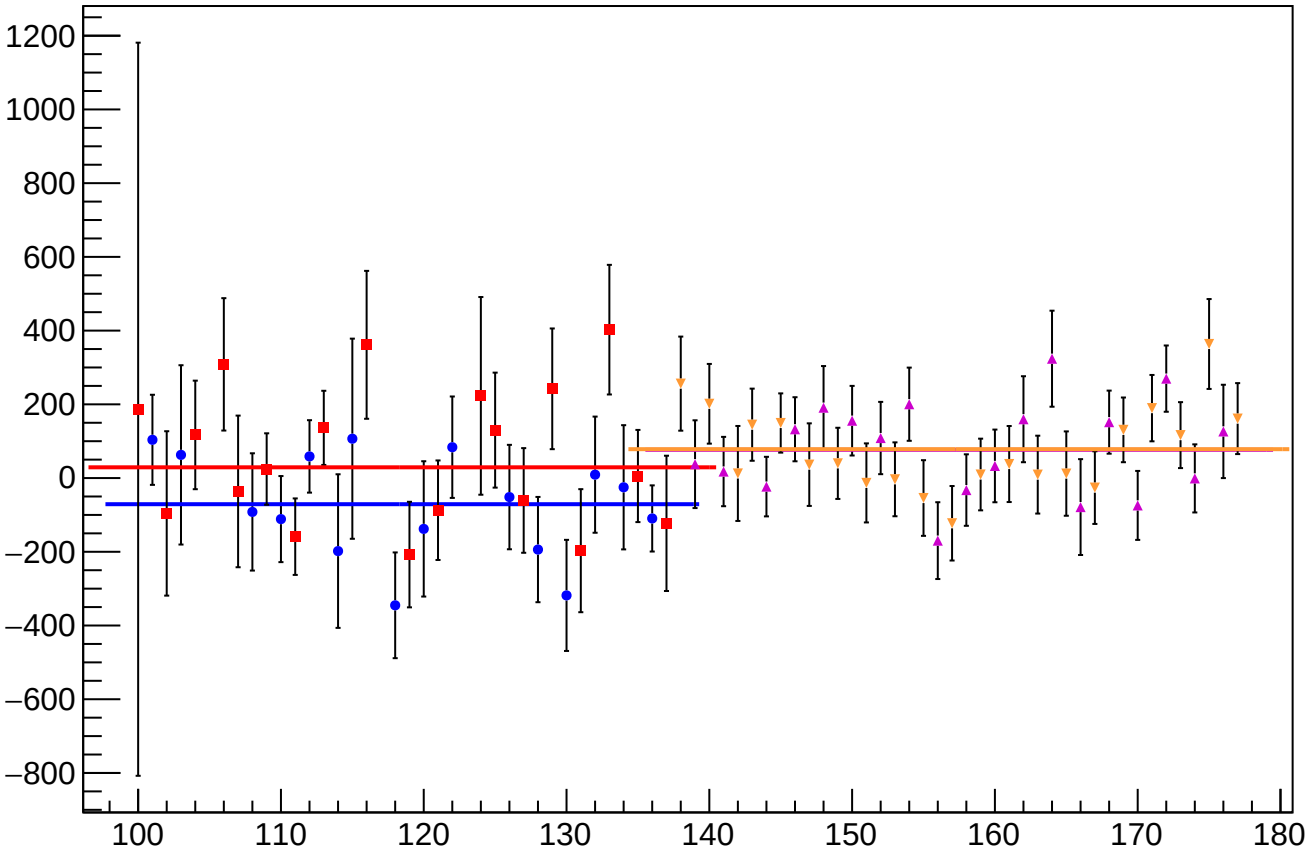
Left: 784.231+/-0.100 χ^2/NDF: 2201341.6/39

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 836.127+/-0.129 χ^2/NDF:2932827.7/34

Out: 838.327+/-0.125 χ^2/NDF:3009652.5/39

All: 837.257+/-0.090 χ^2/NDF: 5942630.5/74



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 78.360+/-22.057 χ^2/NDF:22.9/20

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 76.645+/-22.866 χ^2/NDF:27.3/18

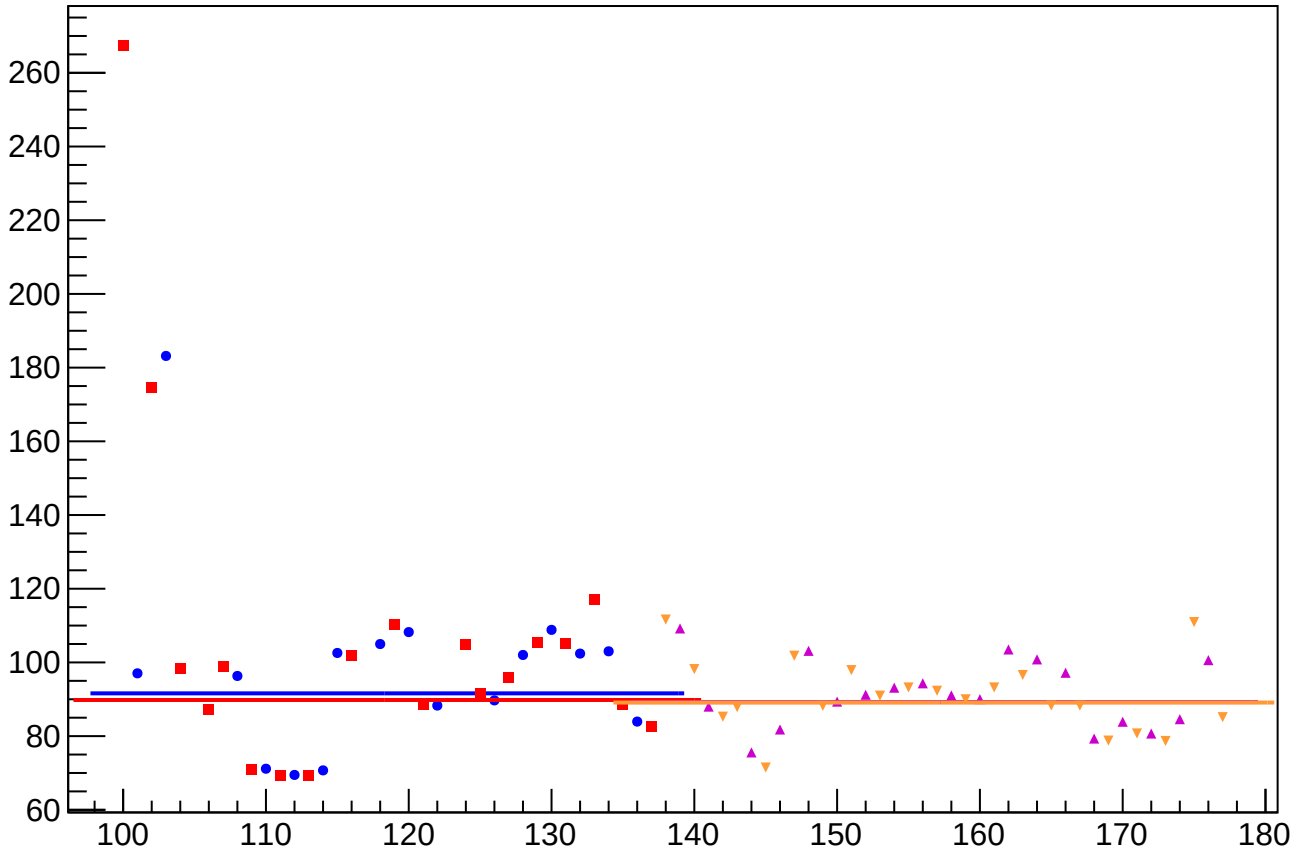
Left: 77.533+/-15.875 χ^2/NDF: 50.1/39

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 32.722+/-19.163 χ^2/NDF:53.7/34

Out: 63.934+/-18.544 χ^2/NDF:48.3/39

All: 48.840+/-13.326 χ^2/NDF: 103.4/74



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 89.111+/-0.016 χ^2/NDF:373389.1/20

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 89.239+/-0.016 χ^2/NDF:294204.4/18

Left: 89.173+/-0.011 χ^2/NDF: 667626.0/39

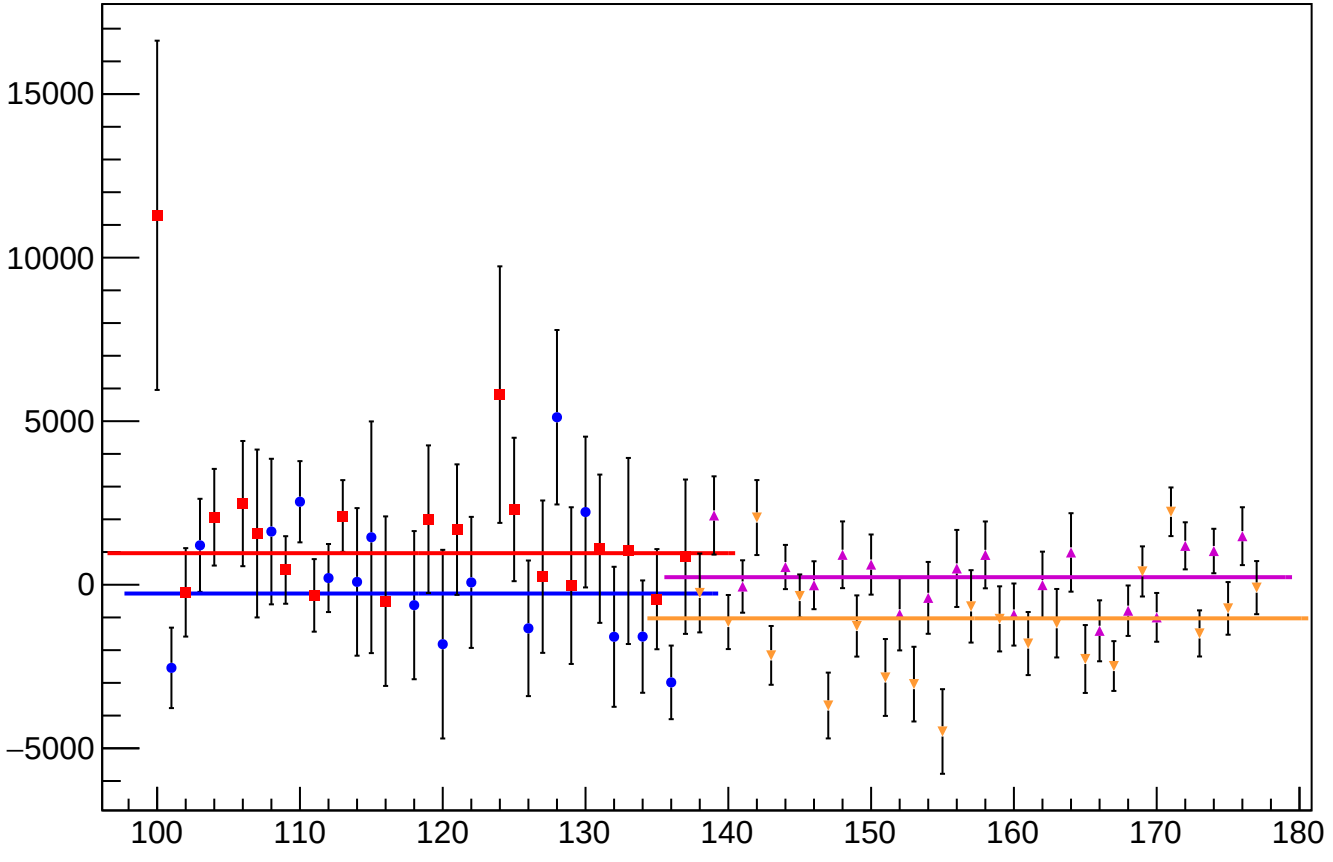
Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 89.945+/-0.014 χ^2/NDF:881268.1/34

Out: 89.315+/-0.013 χ^2/NDF:1120806.0/39

All: 89.620+/-0.009 χ^2/NDF: 2003187.9/74

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: -1026.992+/-197.189 χ^2/NDF:60.5/20

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 231.160+/-201.845 χ^2/NDF:20.1/18

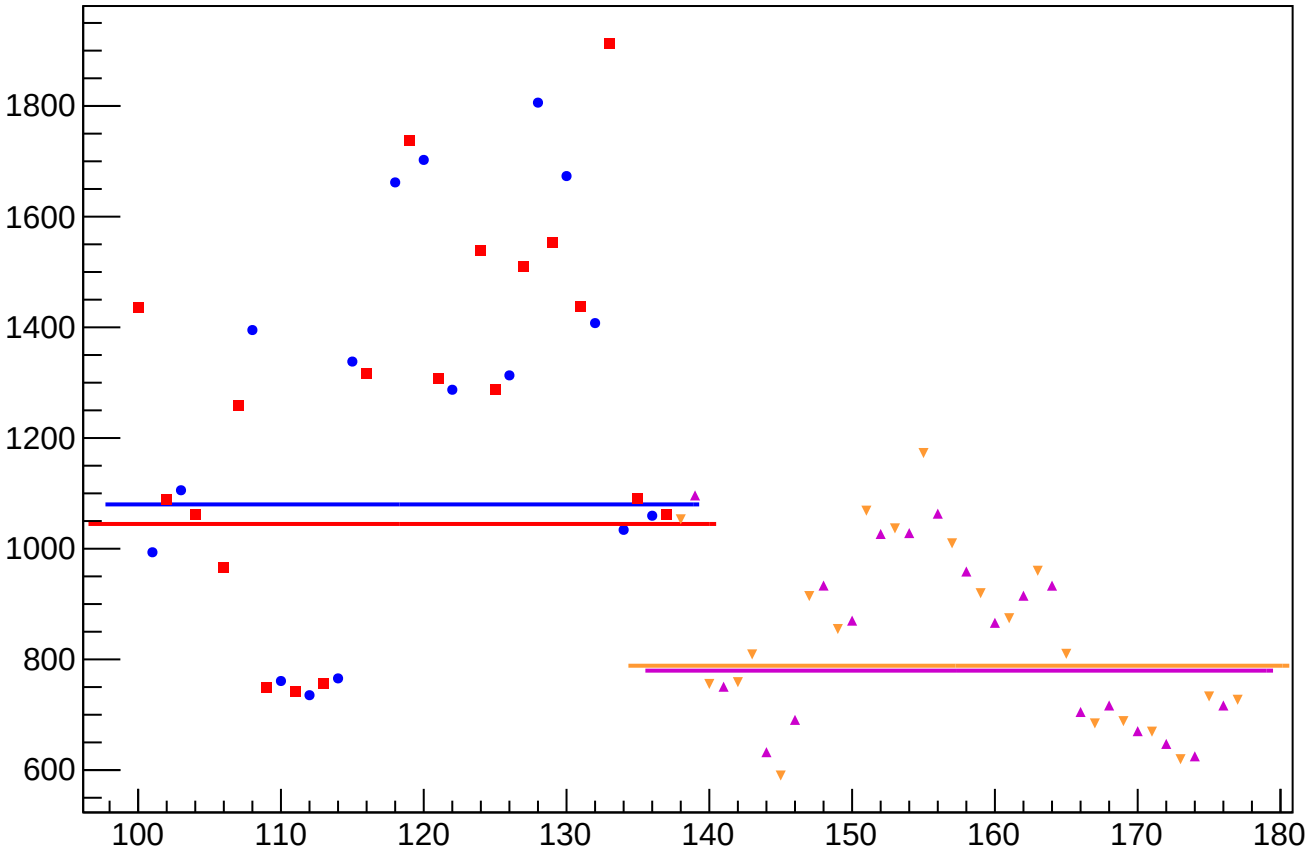
Left: -412.595+/-141.051 χ^2/NDF: 100.5/39

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 137.257+/-181.893 χ^2/NDF:44.7/34

Out: -640.088+/-177.006 χ^2/NDF:92.4/39

All: -261.998+/-126.855 χ^2/NDF: 146.5/74



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 788.577+/-0.139 χ^2/NDF:1152382.0/20

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 779.677+/-0.143 χ^2/NDF:1046970.2/18

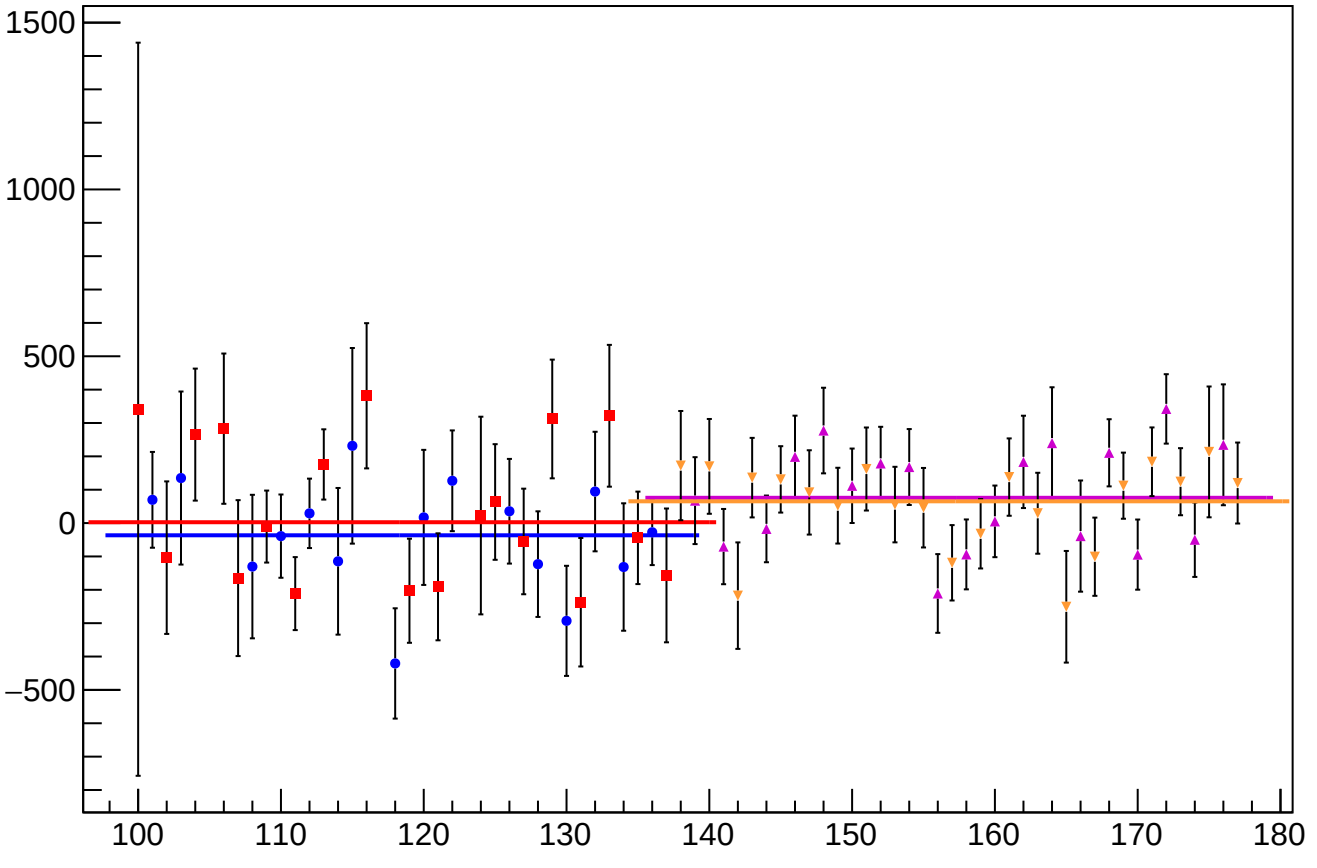
Left: 784.231+/-0.100 χ^2/NDF: 2201341.6/39

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 836.127+/-0.129 χ^2/NDF:2932827.7/34

Out: 838.327+/-0.125 χ^2/NDF:3009652.5/39

All: 837.257+/-0.090 χ^2/NDF: 5942630.5/74



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 65.272+/-26.157 χ^2/NDF:17.9/20

Right Out: 2.568+/-38.165 χ^2/NDF: 24.7/18

Left In: 75.761+/-27.010 χ^2/NDF:31.7/18

Left: 70.348+/-18.790 χ^2/NDF: 49.6/39

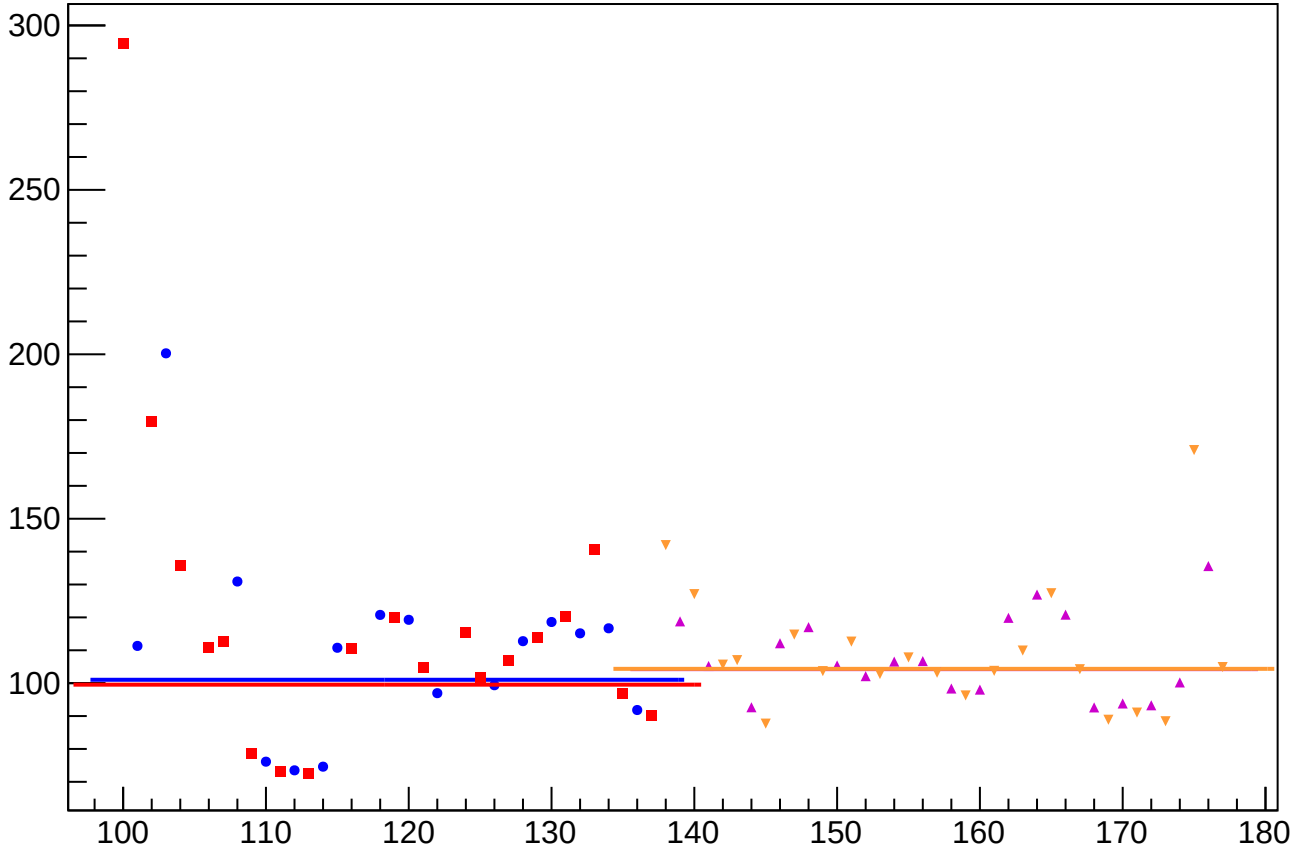
Right: -16.592+/-27.274 χ^2/NDF: 38.1/34

In: 39.330+/-22.203 χ^2/NDF:50.2/34

Out: 45.232+/-21.576 χ^2/NDF:44.4/39

All: 42.365+/-15.473 χ^2/NDF: 94.6/74

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 104.355+/-0.018 χ^2/NDF:655753.9/20

Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 104.266+/-0.019 χ^2/NDF:308778.1/18

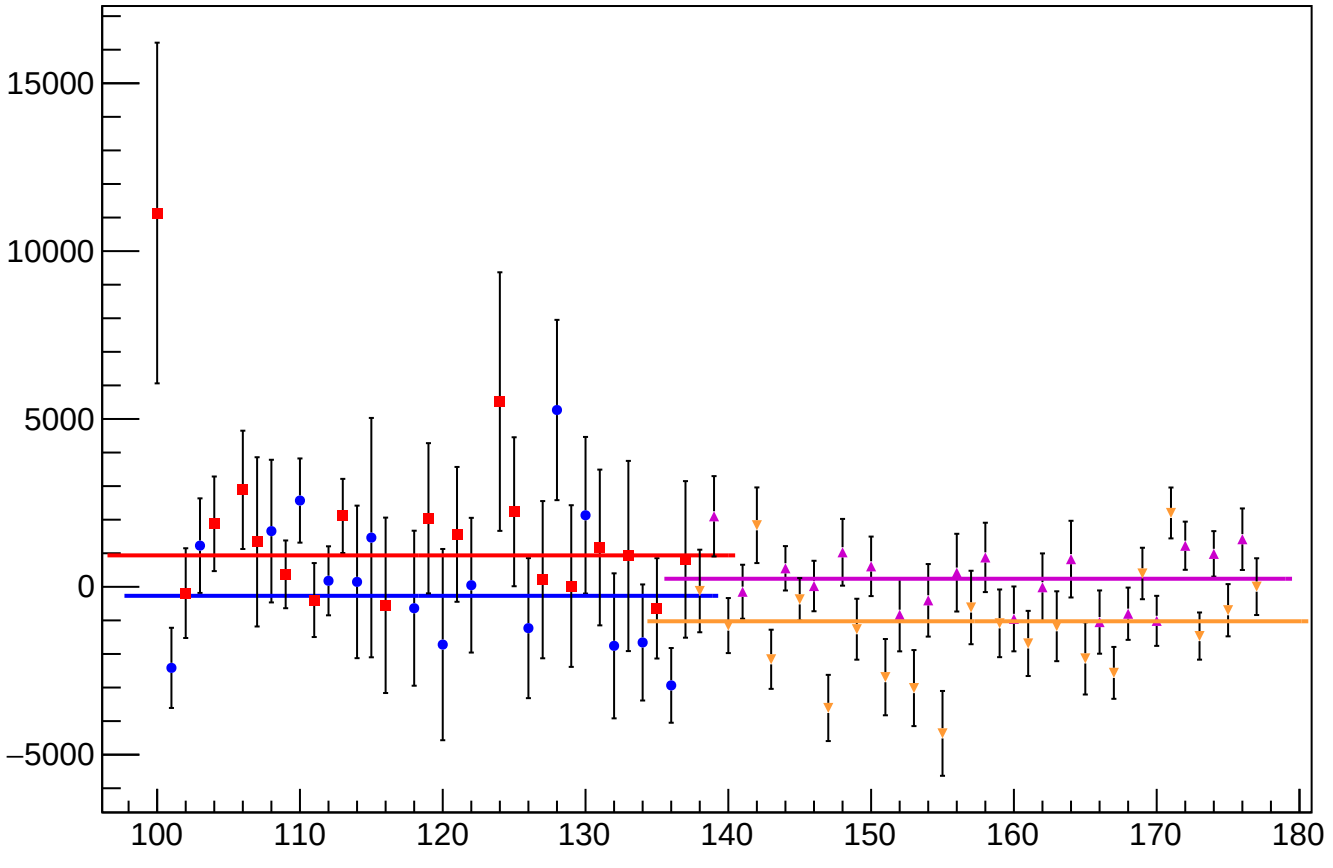
Left: 104.312+/-0.013 χ^2/NDF: 964543.5/39

Right: 100.273+/-0.019 χ^2/NDF: 1598073.3/34

In: 103.217+/-0.016 χ^2/NDF:1034174.5/34

Out: 102.819+/-0.015 χ^2/NDF:1557851.3/39

All: 103.012+/-0.011 χ^2/NDF: 2592356.7/74



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1026.112+/-196.114 χ^2/NDF:58.1/20

Right Out: 936.734+/-396.234 χ^2/NDF: 13.1/18

Left In: 240.336+/-201.279 χ^2/NDF:18.6/18

Left: -409.345+/-140.464 χ^2/NDF: 97.0/39

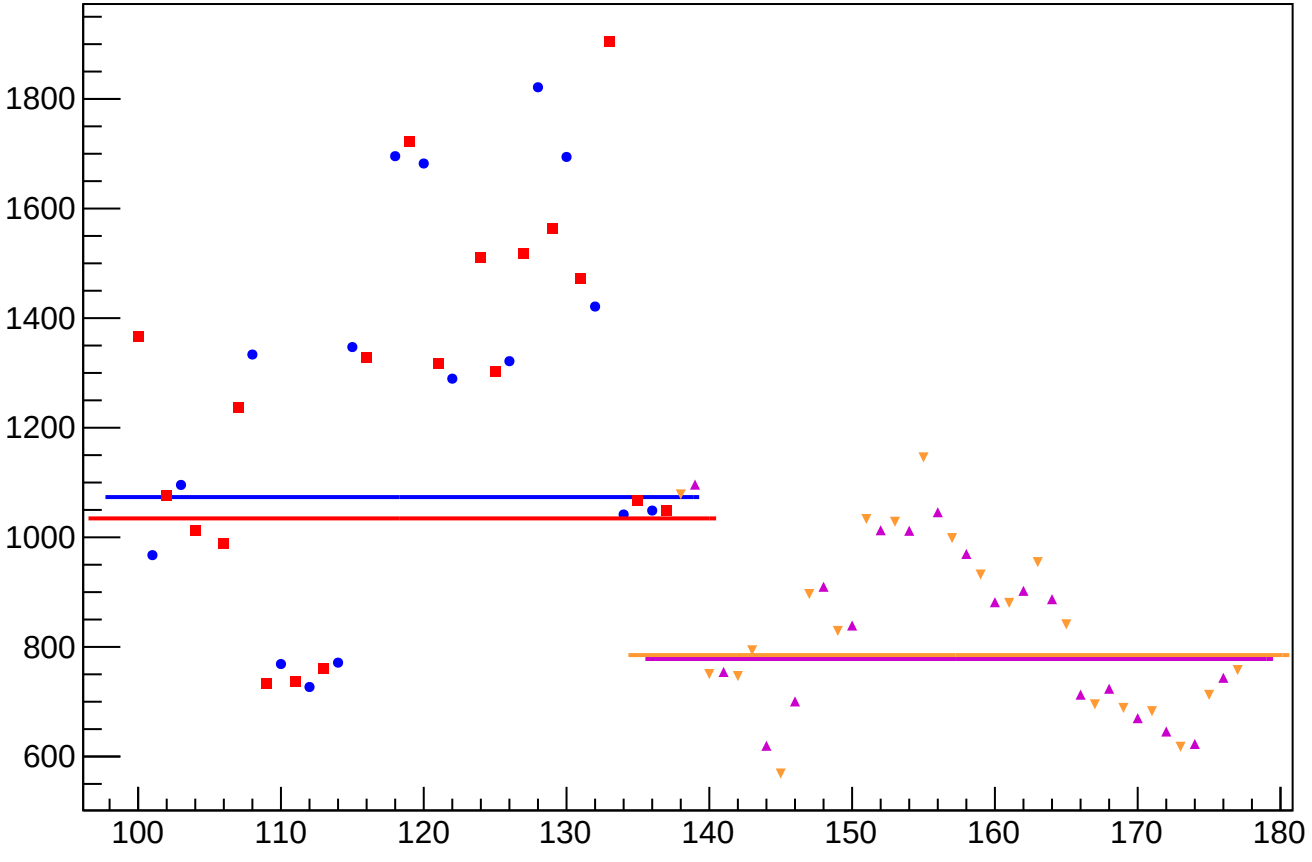
Right: 365.251+/-287.261 χ^2/NDF: 41.0/34

In: 144.326+/-181.273 χ^2/NDF:43.2/34

Out: -639.886+/-175.764 χ^2/NDF:91.0/39

All: -259.877+/-126.187 χ^2/NDF: 143.9/74

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: 785.111+/-0.139 χ^2/NDF:1158164.3/20

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

Left In: 777.954+/-0.142 χ^2/NDF:995174.3/18

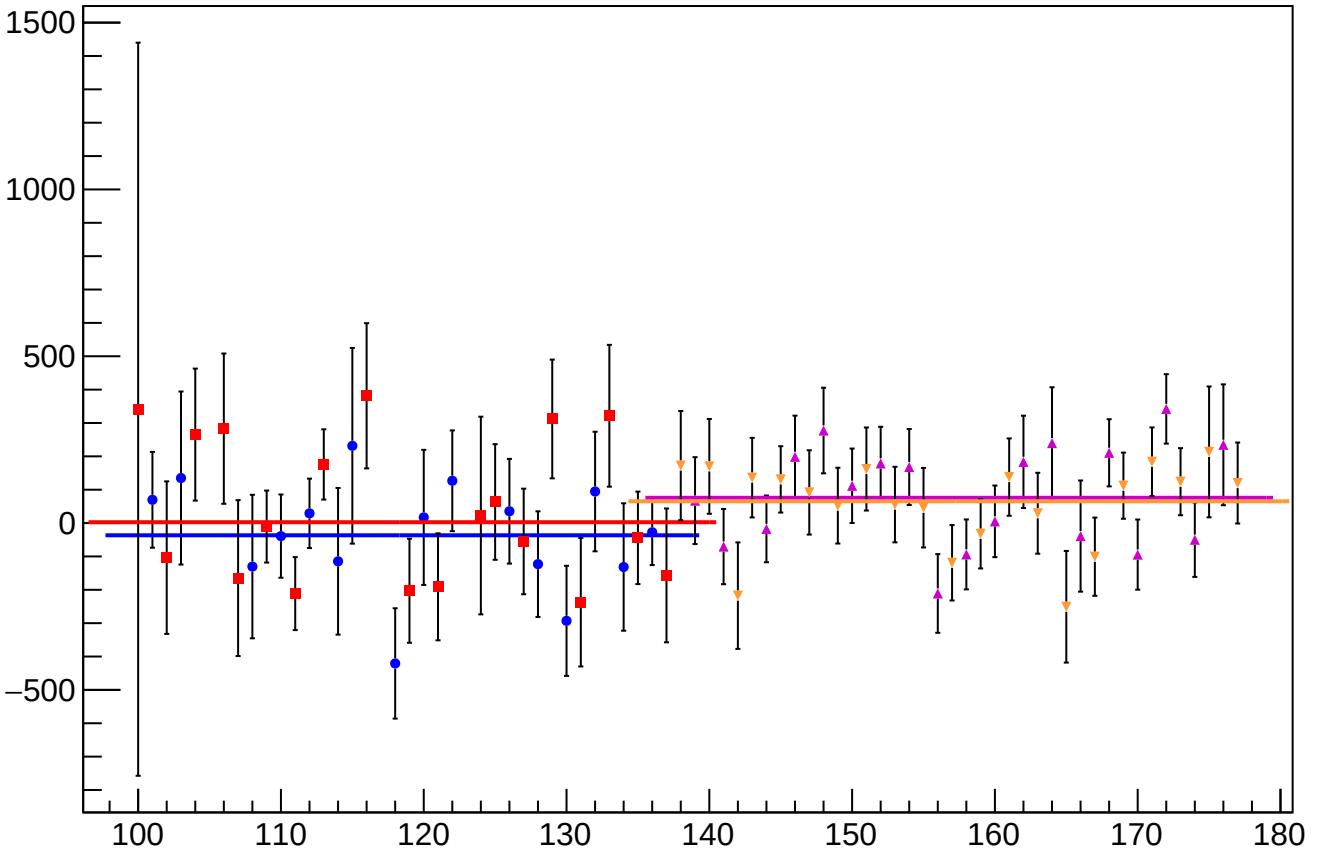
Left: 781.626+/-0.099 χ^2/NDF: 2154635.8/39

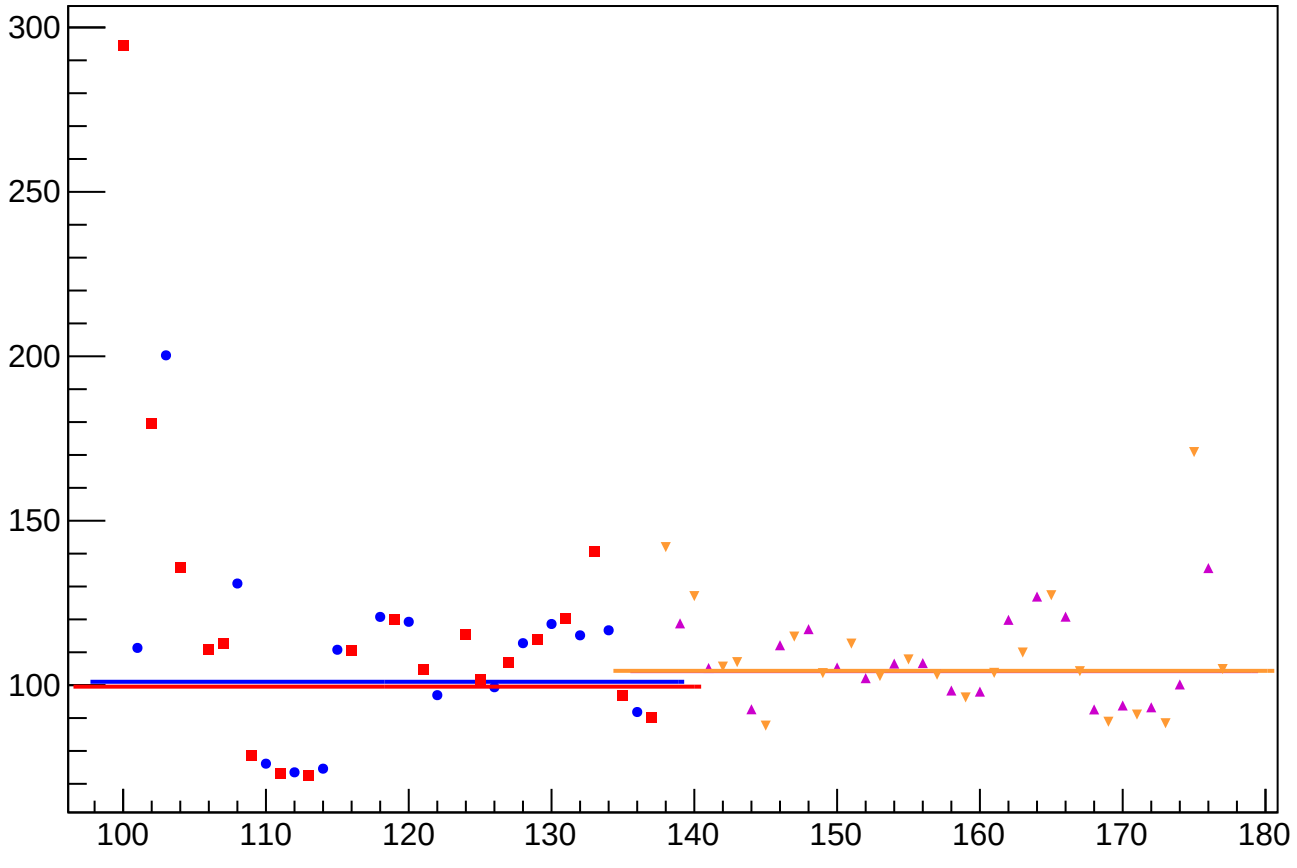
Right: 1052.999+/-0.203 χ^2/NDF: 2315554.6/34

In: 833.779+/-0.128 χ^2/NDF:2886589.1/34

Out: 834.190+/-0.124 χ^2/NDF:3024072.2/39

All: 833.991+/-0.089 χ^2/NDF: 5910666.6/74


eigen_dit_asym_sam_3748_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
100
110
120
130
140
150
160
170
180
Right In: -36.589+/-38.991 χ²/NDF: 12.9/15
Left Out: 65.273+/-26.157 χ²/NDF:17.9/20
Right Out: 2.566+/-38.165 χ²/NDF: 24.7/18
Left In: 75.760+/-27.010 χ²/NDF:31.7/18
Left: 70.349+/-18.790 χ²/NDF: 49.6/39
Right: -16.593+/-27.274 χ²/NDF: 38.1/34
In: 39.330+/-22.203 χ²/NDF:50.2/34
Out: 45.232+/-21.576 χ²/NDF:44.4/39
All: 42.365+/-15.473 χ²/NDF: 94.6/74



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 104.356+/-0.018 χ^2/NDF:655749.7/20

Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 104.266+/-0.019 χ^2/NDF:308774.2/18

Left: 104.312+/-0.013 χ^2/NDF: 964535.3/39

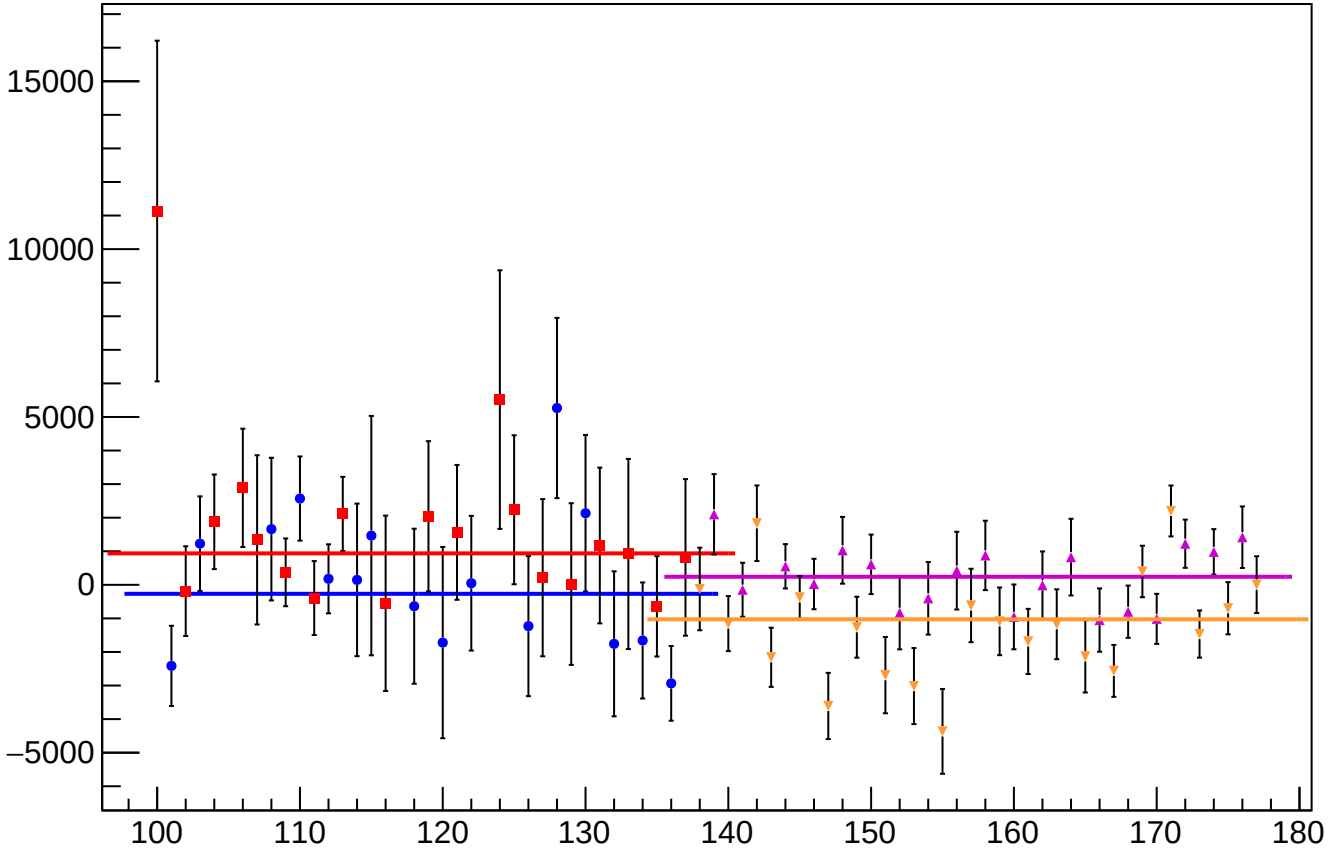
Right: 100.273+/-0.019 χ^2/NDF: 1598074.0/34

In: 103.217+/-0.016 χ^2/NDF:1034170.2/34

Out: 102.819+/-0.015 χ^2/NDF:1557850.6/39

All: 103.012+/-0.011 χ^2/NDF: 2592351.7/74

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: -1026.111+/-196.114 χ^2/NDF:58.1/20

Right Out: 936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: 240.335+/-201.279 χ^2/NDF:18.6/18

Left: -409.345+/-140.464 χ^2/NDF: 97.0/39

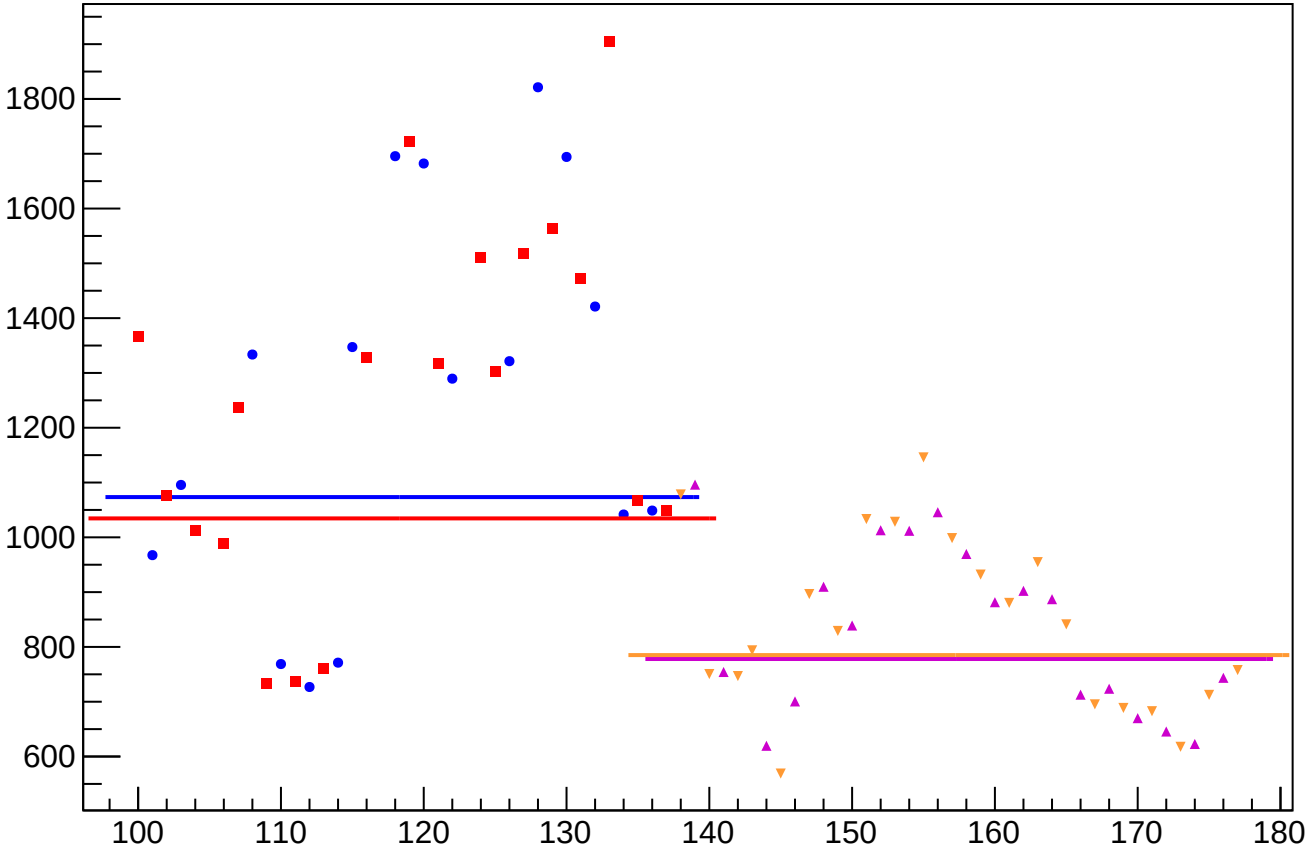
Right: 365.251+/-287.260 χ^2/NDF: 41.0/34

In: 144.325+/-181.273 χ^2/NDF:43.2/34

Out: -639.885+/-175.764 χ^2/NDF:91.0/39

All: -259.877+/-126.186 χ^2/NDF: 143.9/74

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: 785.110+/-0.139 χ^2/NDF:1158167.8/20

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

Left In: 777.953+/-0.142 χ^2/NDF:995175.9/18

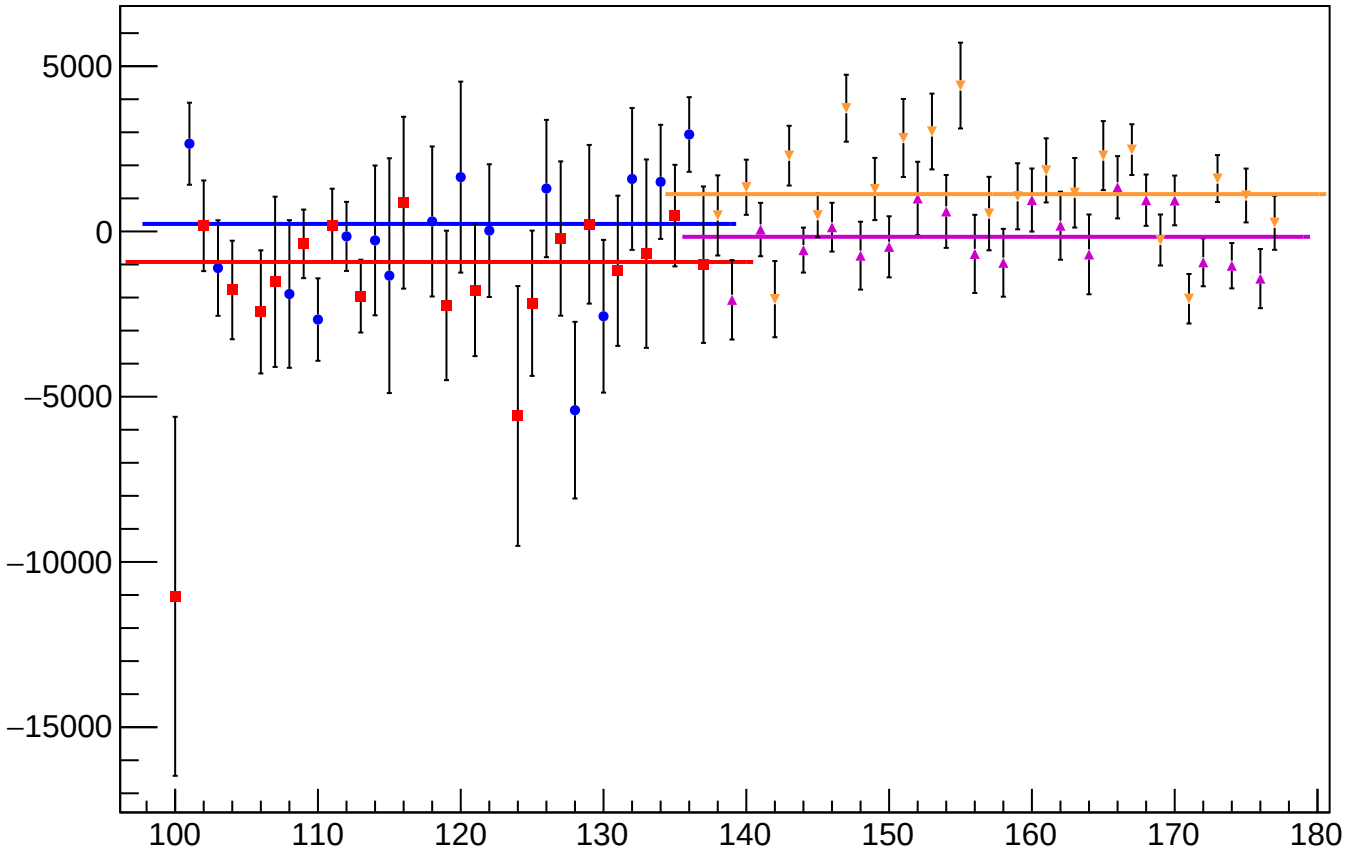
Left: 781.624+/-0.099 χ^2/NDF: 2154640.9/39

Right: 1052.997+/-0.203 χ^2/NDF: 2315562.9/34

In: 833.777+/-0.128 χ^2/NDF:2886595.6/34

Out: 834.189+/-0.124 χ^2/NDF:3024078.5/39

All: 833.989+/-0.089 χ^2/NDF: 5910679.4/74



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 1128.746+/-198.558 χ^2/NDF:56.1/20

Right Out: -923.649+/-403.102 χ^2/NDF: 11.2/18

Left In: -162.386+/-203.280 χ^2/NDF:19.0/18

Left: 498.351+/-142.042 χ^2/NDF: 95.8/39

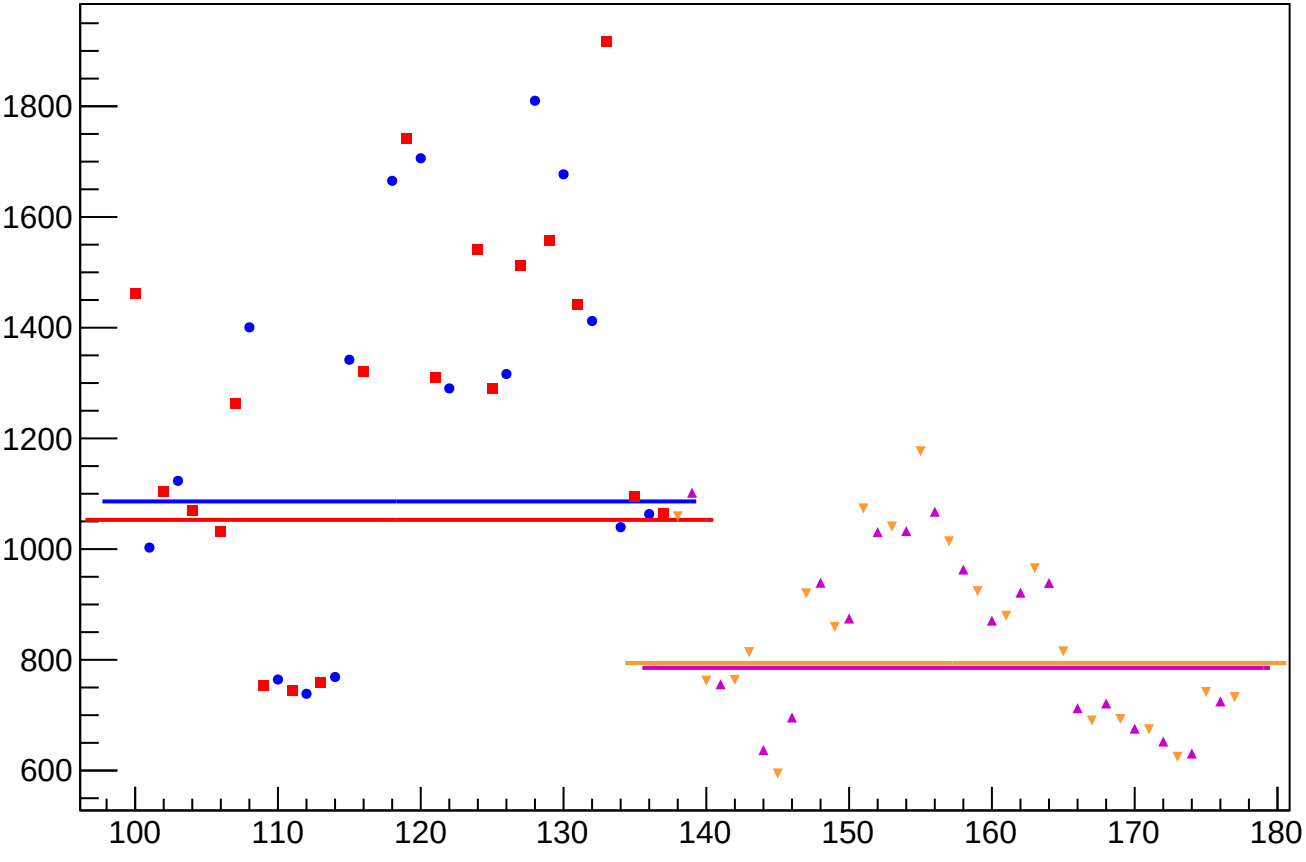
Right: -374.204+/-291.435 χ^2/NDF: 39.5/34

In: -88.909+/-183.126 χ^2/NDF:44.1/34

Out: 728.006+/-178.121 χ^2/NDF:88.2/39

All: 330.865+/-127.683 χ^2/NDF: 142.5/74

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 794.259+/-0.140 χ^2/NDF:1136391.2/20

Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 785.435+/-0.144 χ^2/NDF:1031081.1/18

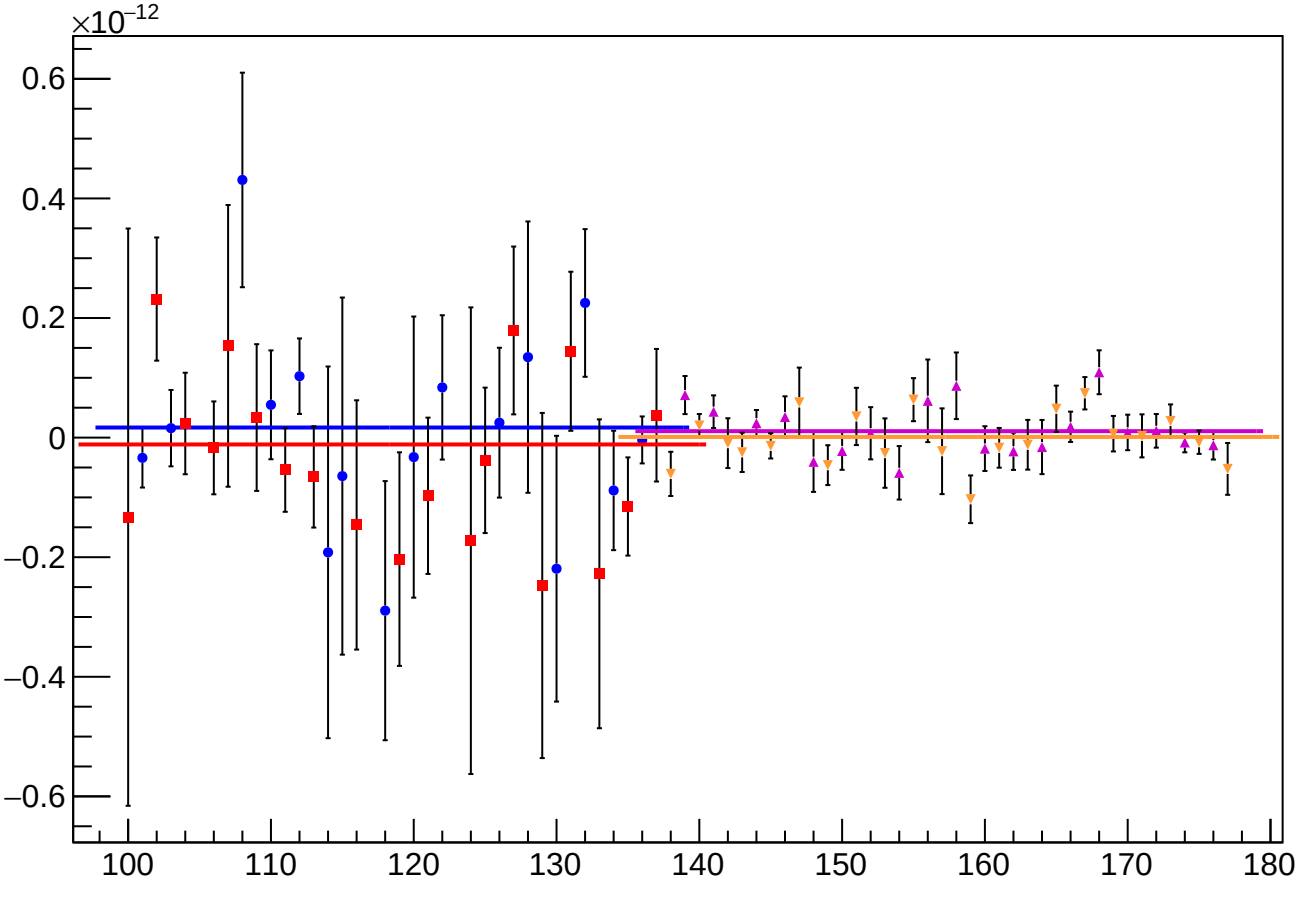
Left: 789.950+/-0.100 χ^2/NDF: 2169400.6/39

Right: 1068.728+/-0.206 χ^2/NDF: 2248417.5/34

In: 842.104+/-0.129 χ^2/NDF:2903315.8/34

Out: 844.746+/-0.126 χ^2/NDF:2993062.4/39

All: 843.462+/-0.090 χ^2/NDF: 5896592.1/74



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:30.5/20

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: 0.000+/-0.000 χ^2/NDF:24.5/18

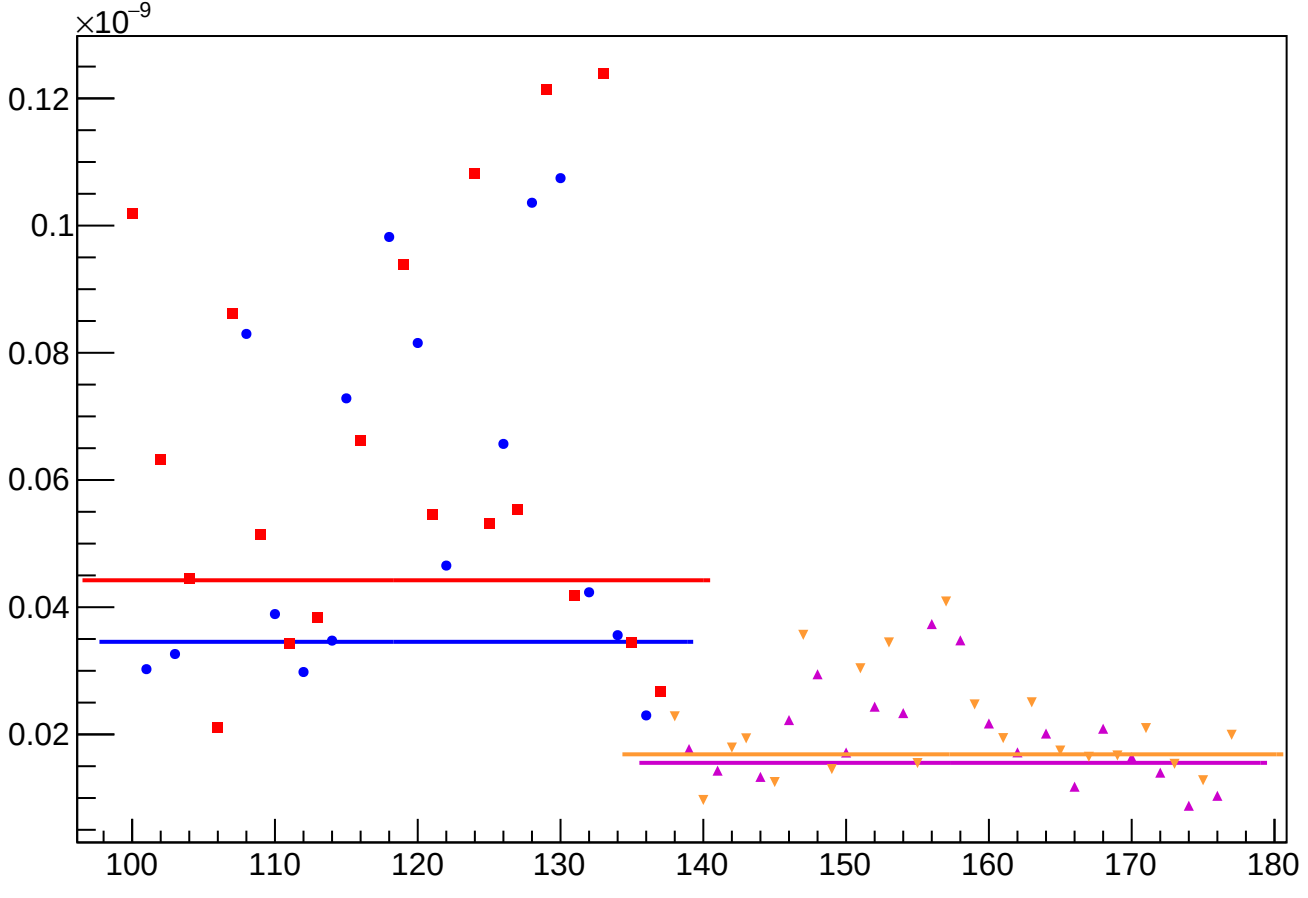
Left: 0.000+/-0.000 χ^2/NDF: 55.9/39

Right: 0.000+/-0.000 χ^2/NDF: 33.4/34

In: 0.000+/-0.000 χ^2/NDF:41.5/34

Out: 0.000+/-0.000 χ^2/NDF:46.5/39

All: 0.000+/-0.000 χ^2/NDF: 89.3/74



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1515638.6/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1450126.5/18

Left: 0.000+/-0.000 χ^2/NDF: 3002681.8/39

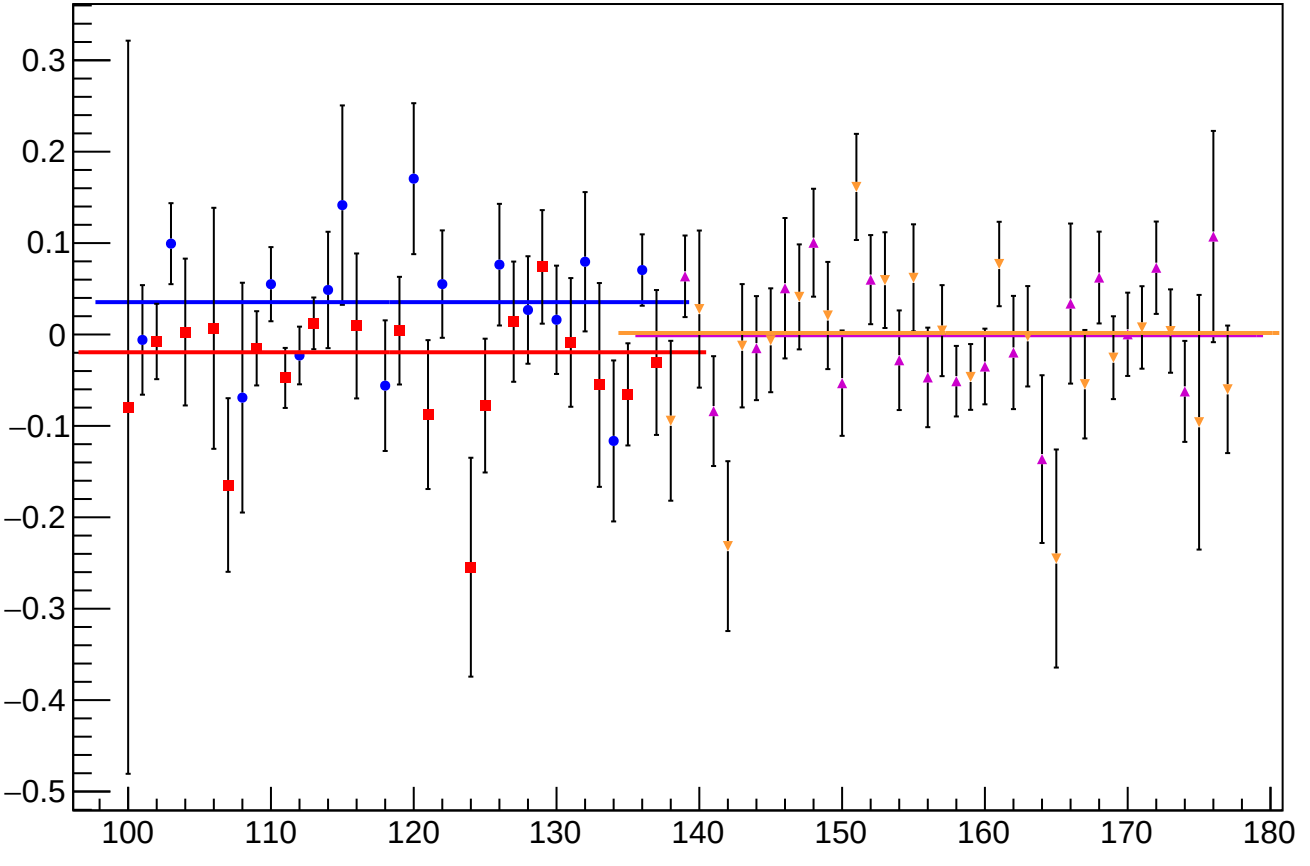
Right: 0.000+/-0.000 χ^2/NDF: 2418011.3/34

In: 0.000+/-0.000 χ^2/NDF:4018404.9/34

Out: 0.000+/-0.000 χ^2/NDF:4529022.0/39

All: 0.000+/-0.000 χ^2/NDF: 8584696.0/74

asym_sam_3748_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.002+/-0.012 χ^2/NDF:29.4/20

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.001+/-0.013 χ^2/NDF:21.4/18

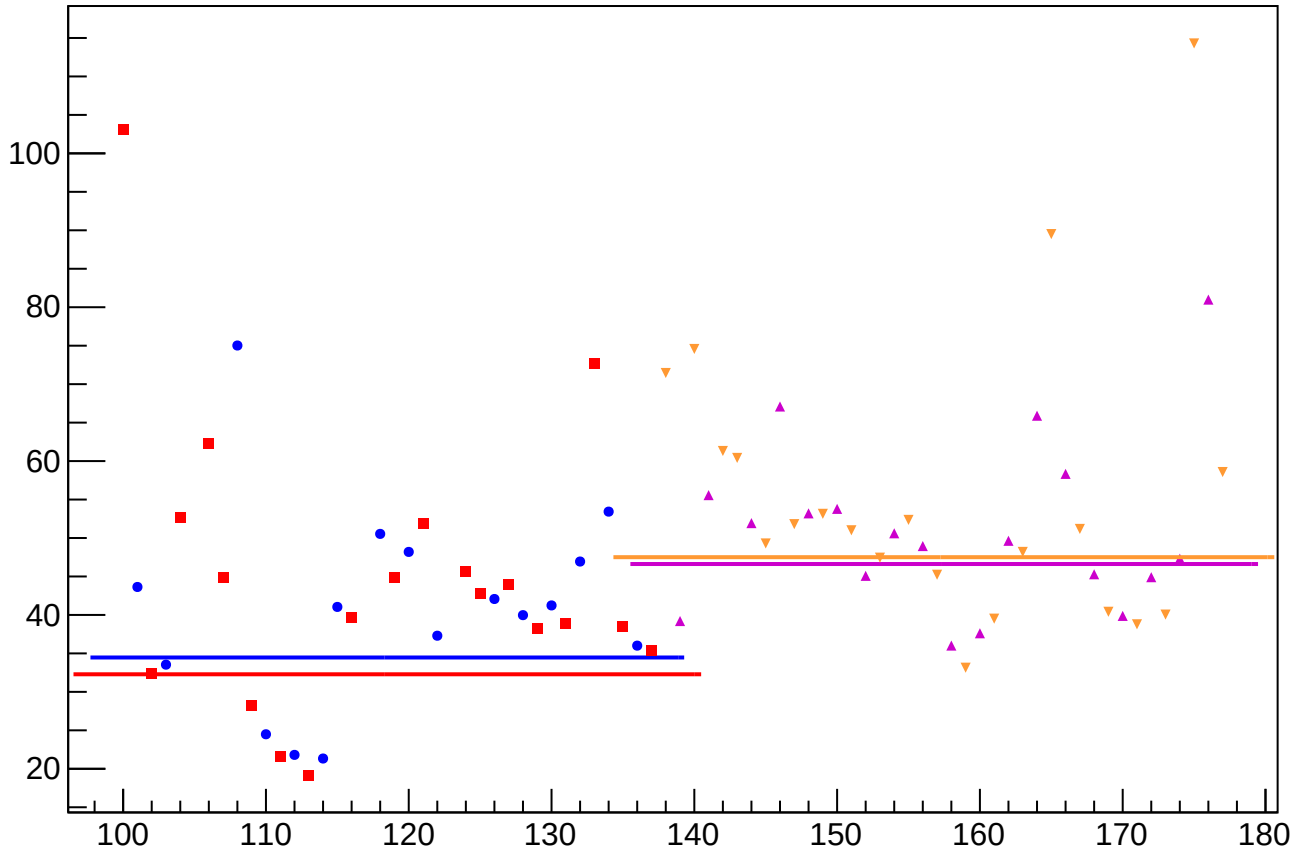
Left: 0.000+/-0.009 χ^2/NDF: 50.8/39

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.015+/-0.009 χ^2/NDF:42.1/34

Out: -0.008+/-0.009 χ^2/NDF:44.1/39

All: 0.003+/-0.006 χ^2/NDF: 89.6/74



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 47.508+/-0.009 χ^2/NDF:1844319.0/20

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 46.619+/-0.009 χ^2/NDF:930450.6/18

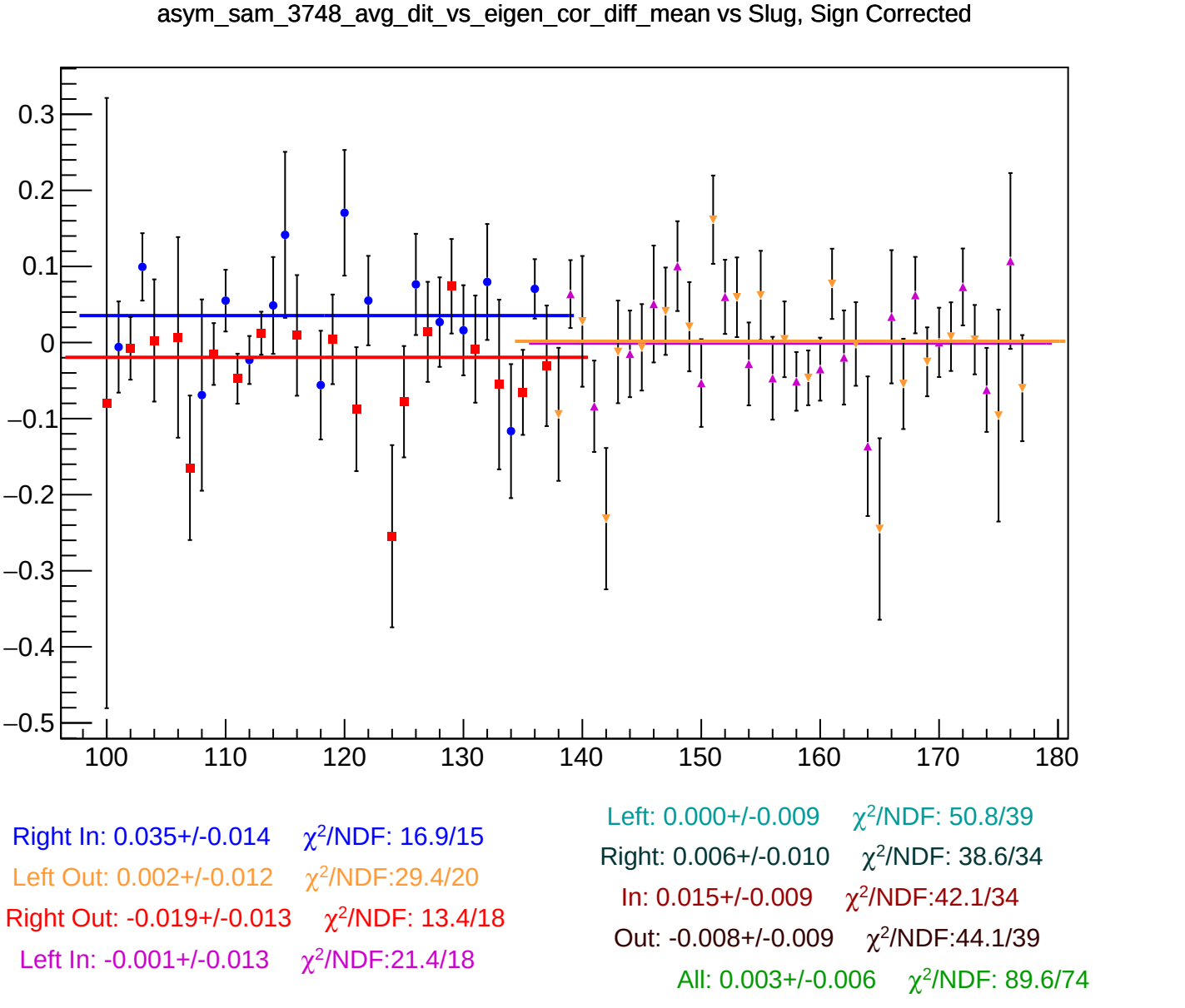
Left: 47.068+/-0.006 χ^2/NDF: 2779854.7/39

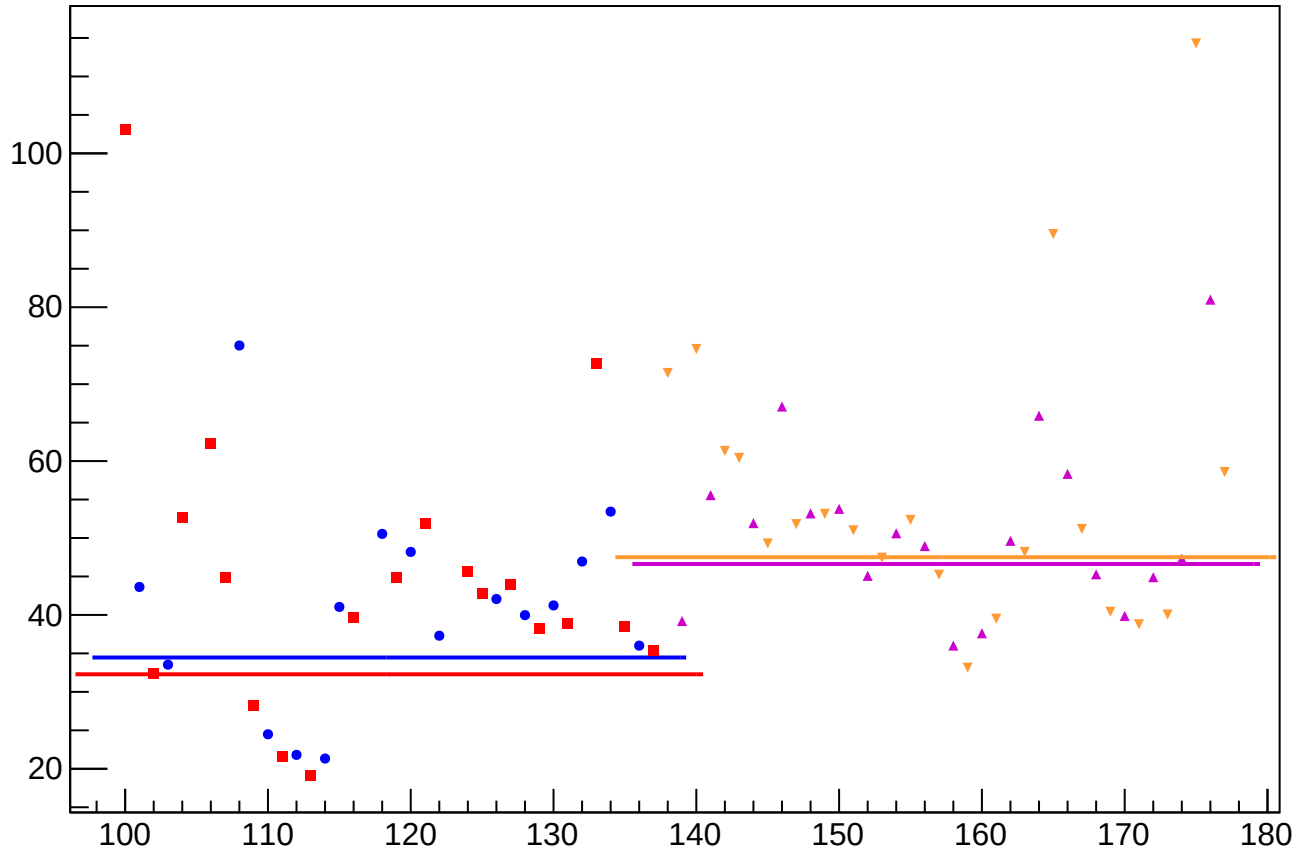
Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 41.171+/-0.007 χ^2/NDF:2945867.2/34

Out: 40.327+/-0.006 χ^2/NDF:4938718.8/39

All: 40.736+/-0.005 χ^2/NDF: 7893086.4/74


asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
160
170
180
Right In: 0.035+/-0.014 χ²/NDF: 16.9/15
Left Out: 0.002+/-0.012 χ²/NDF:29.4/20
Right Out: -0.019+/-0.013 χ²/NDF: 13.4/18
Left In: -0.001+/-0.013 χ²/NDF:21.4/18
Left: 0.000+/-0.009 χ²/NDF: 50.8/39
Right: 0.006+/-0.010 χ²/NDF: 38.6/34
In: 0.015+/-0.009 χ²/NDF:42.1/34
Out: -0.008+/-0.009 χ²/NDF:44.1/39
All: 0.003+/-0.006 χ²/NDF: 89.6/74



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 47.508+/-0.009 χ^2/NDF:1844319.0/20

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 46.619+/-0.009 χ^2/NDF:930450.6/18

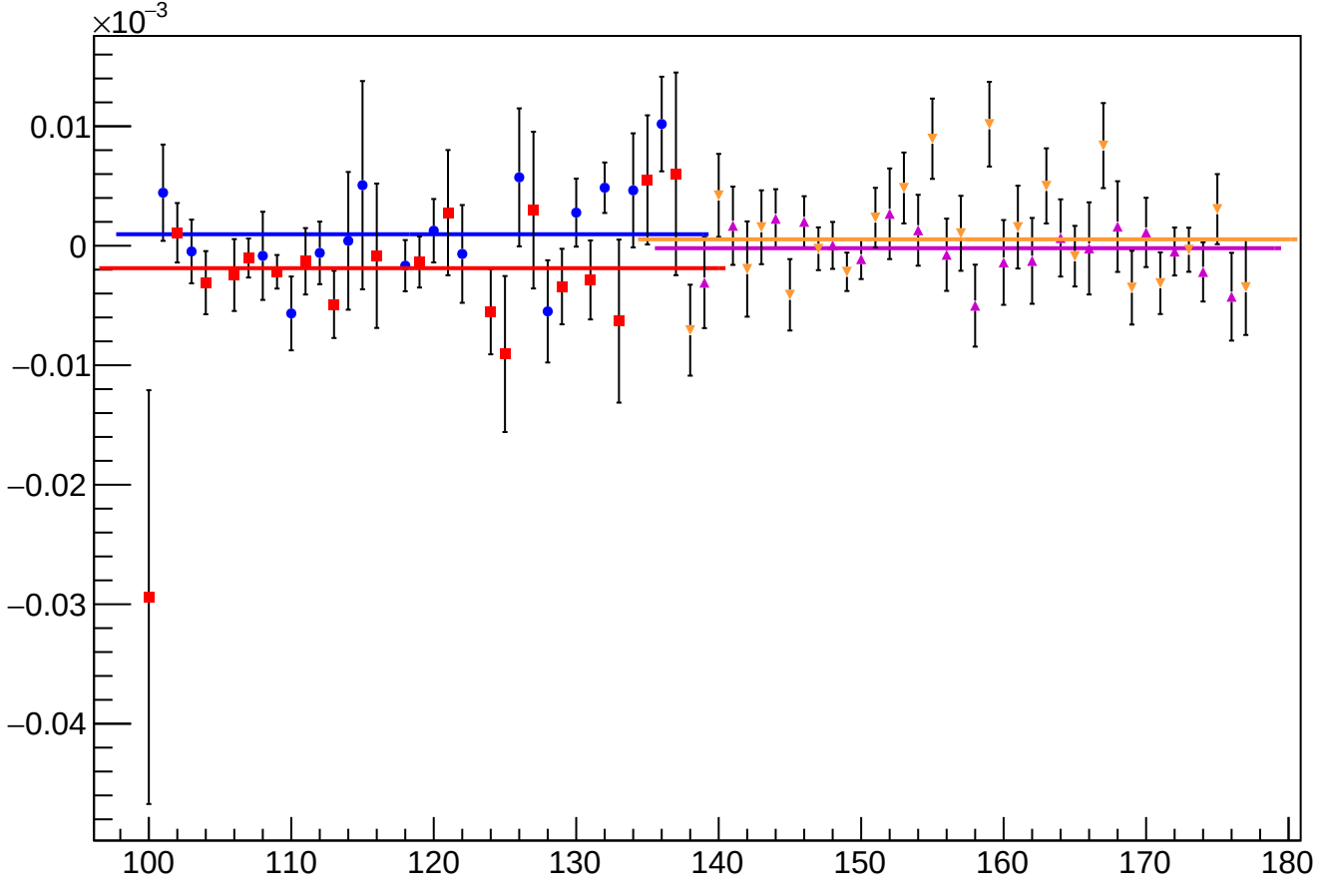
Left: 47.068+/-0.006 χ^2/NDF: 2779854.7/39

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 41.171+/-0.007 χ^2/NDF:2945867.2/34

Out: 40.327+/-0.006 χ^2/NDF:4938718.8/39

All: 40.736+/-0.005 χ^2/NDF: 7893086.4/74



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:40.4/20

Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: -0.000+/-0.000 χ^2/NDF:8.7/18

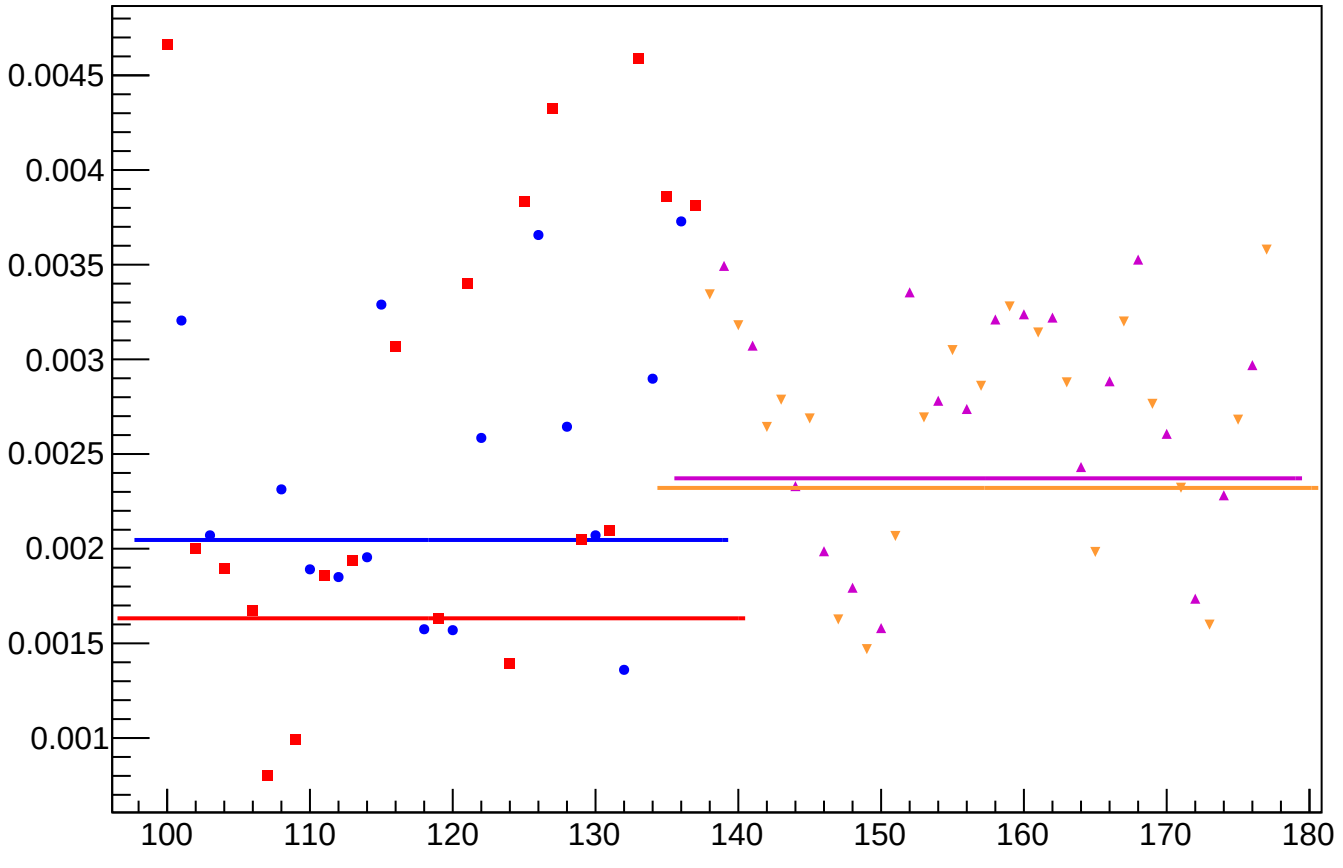
Left: 0.000+/-0.000 χ^2/NDF: 49.8/39

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

In: 0.000+/-0.000 χ^2/NDF:30.9/34

Out: -0.000+/-0.000 χ^2/NDF:60.5/39

All: -0.000+/-0.000 χ^2/NDF: 92.8/74



Right In: 0.002+/-0.000 χ^2/NDF: 1260485.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:2476954.8/20

Right Out: 0.002+/-0.000 χ^2/NDF: 2928991.9/18

Left In: 0.002+/-0.000 χ^2/NDF:1994152.6/18

Left: 0.002+/-0.000 χ^2/NDF: 4477984.4/39

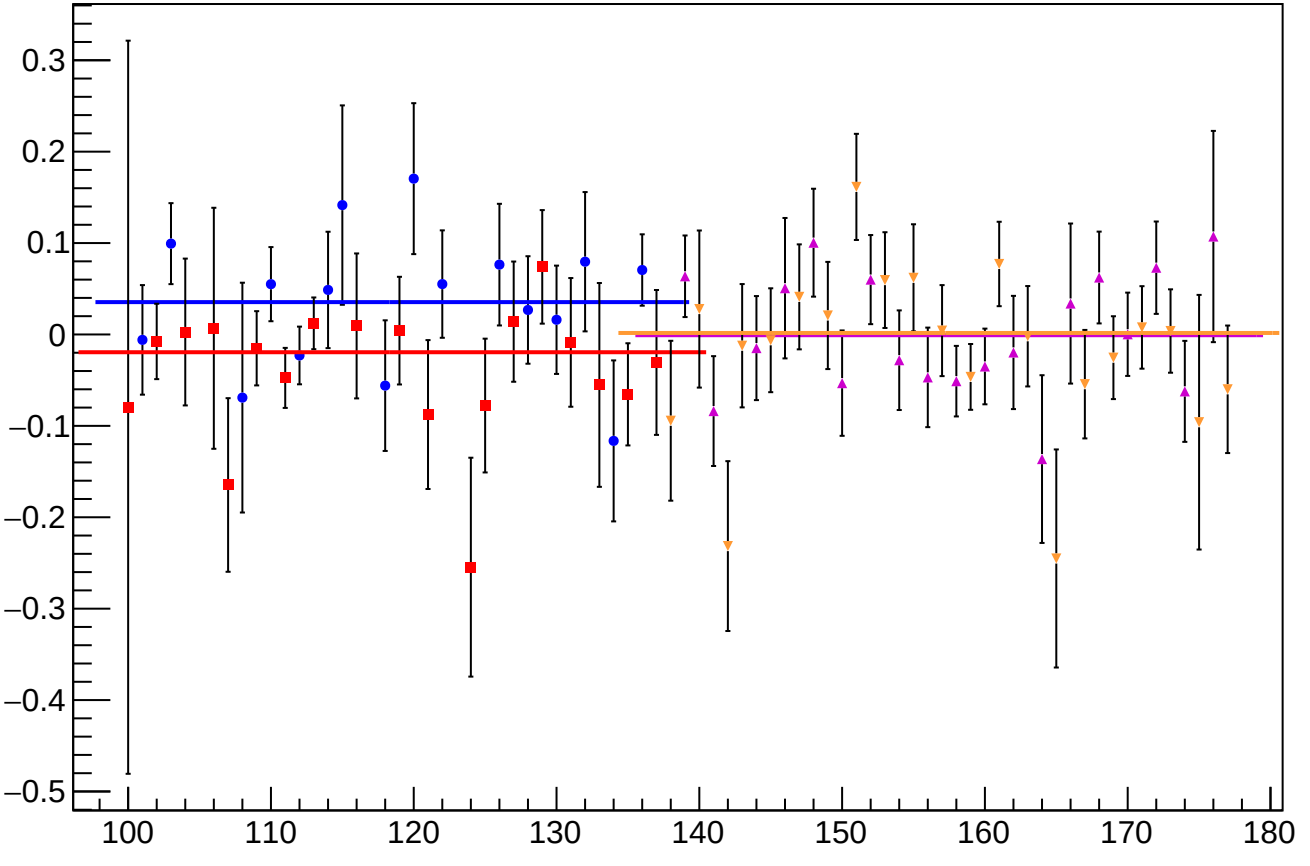
Right: 0.002+/-0.000 χ^2/NDF: 4499888.8/34

In: 0.002+/-0.000 χ^2/NDF:3456888.5/34

Out: 0.002+/-0.000 χ^2/NDF:6585865.7/39

All: 0.002+/-0.000 χ^2/NDF: 10284692.7/74

asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.002+/-0.012 χ^2/NDF:29.4/20

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.001+/-0.013 χ^2/NDF:21.4/18

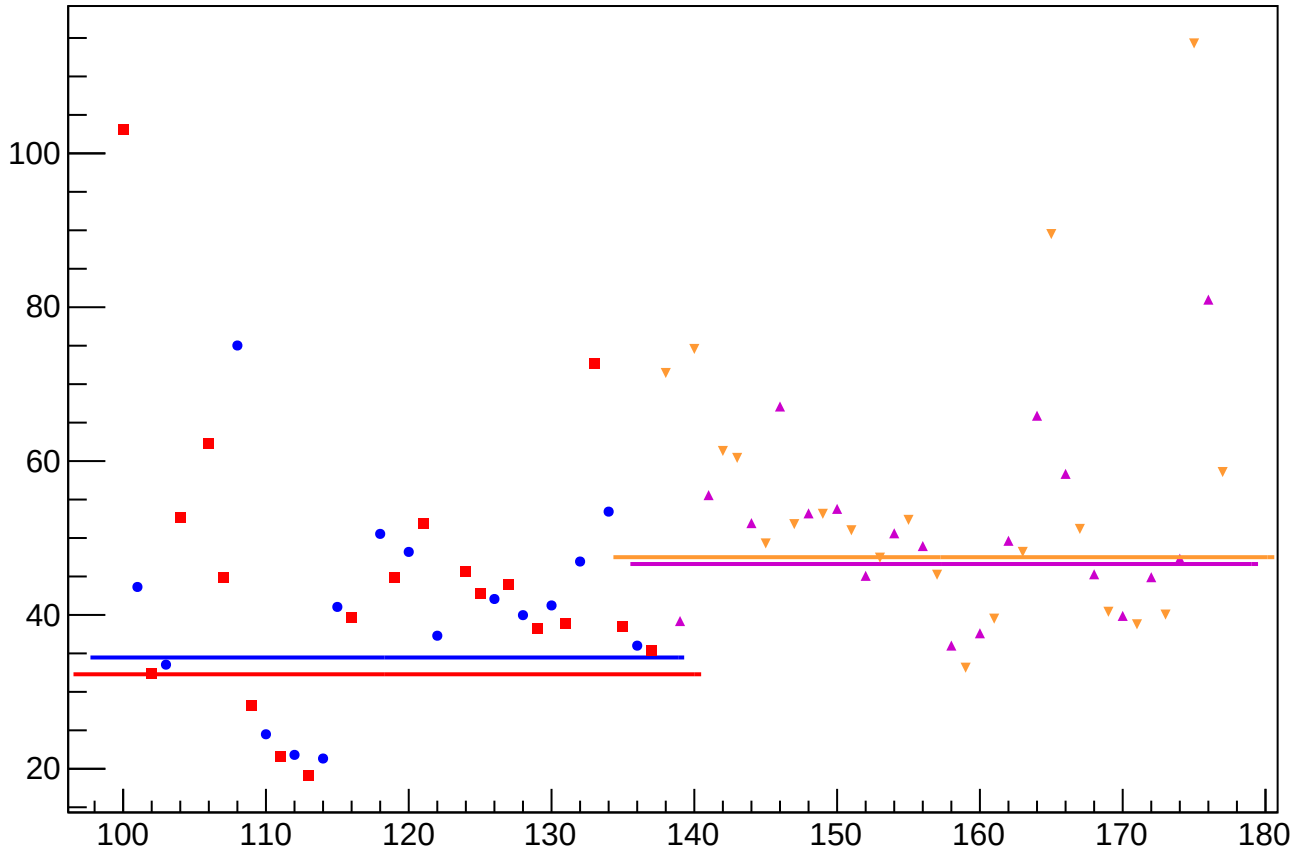
Left: 0.000+/-0.009 χ^2/NDF: 50.8/39

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.015+/-0.009 χ^2/NDF:42.1/34

Out: -0.008+/-0.009 χ^2/NDF:44.1/39

All: 0.003+/-0.006 χ^2/NDF: 89.6/74



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 47.508+/-0.009 χ^2/NDF:1844307.4/20

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 46.619+/-0.009 χ^2/NDF:930466.5/18

Left: 47.068+/-0.006 χ^2/NDF: 2779859.2/39

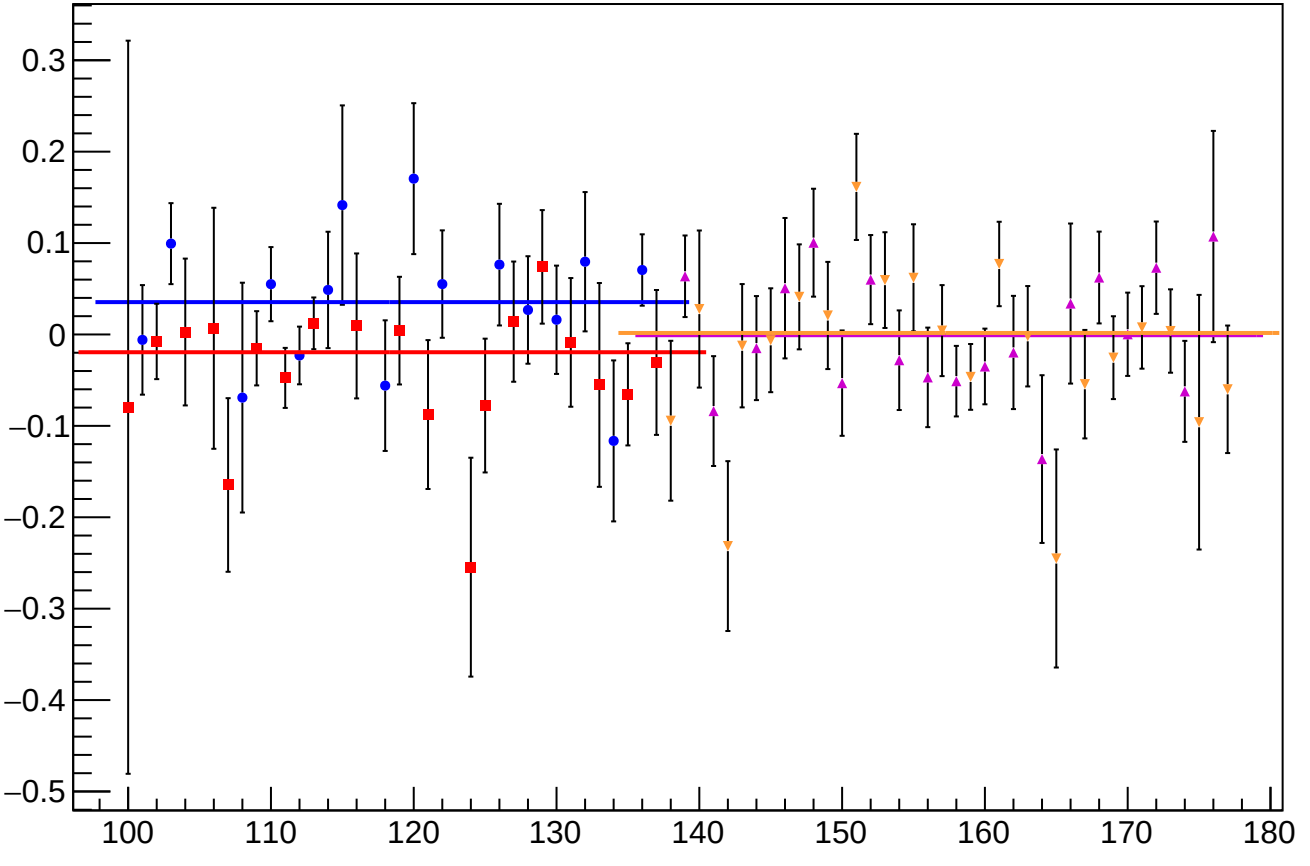
Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

In: 41.172+/-0.007 χ^2/NDF:2945848.3/34

Out: 40.327+/-0.006 χ^2/NDF:4938681.8/39

All: 40.736+/-0.005 χ^2/NDF: 7893029.8/74

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.002+/-0.012 χ^2/NDF:29.4/20

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.001+/-0.013 χ^2/NDF:21.4/18

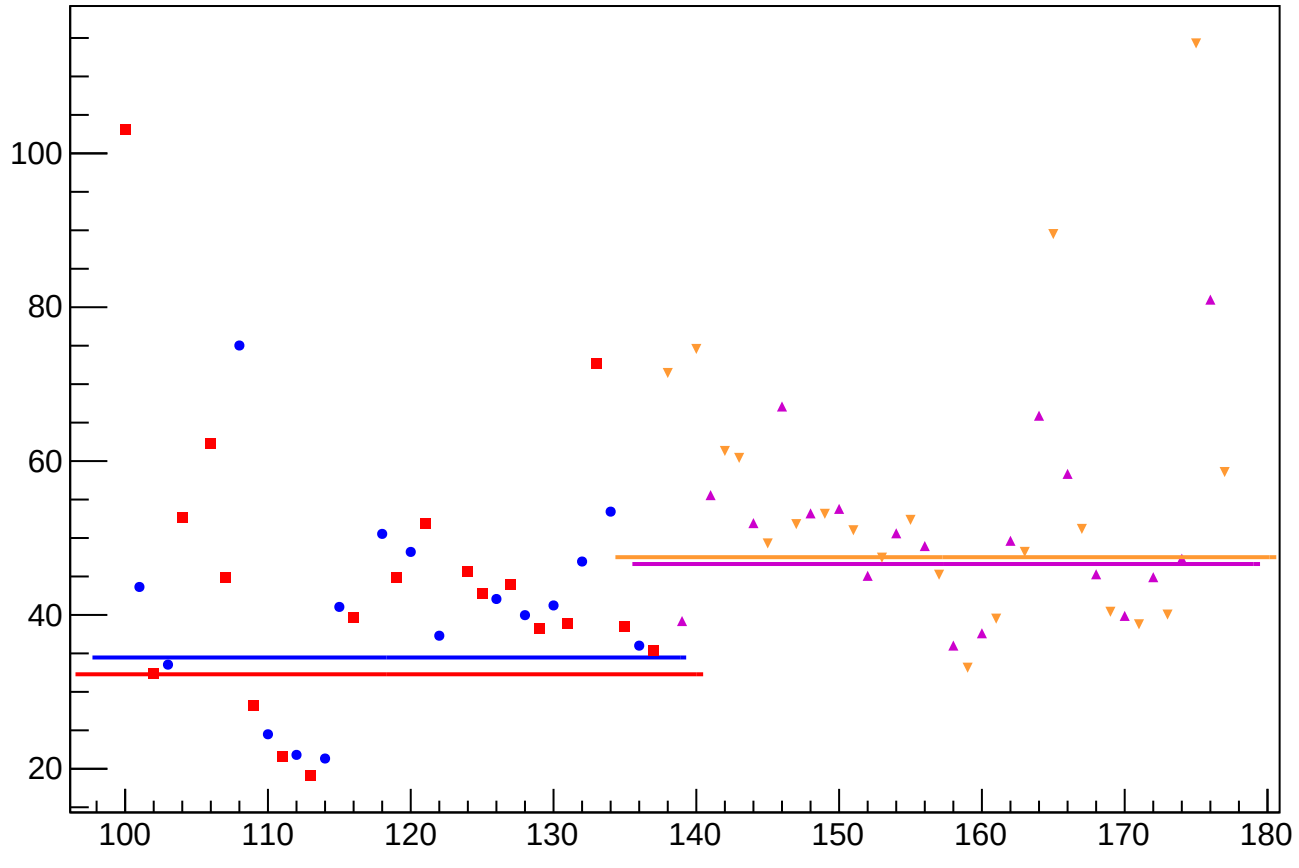
Left: 0.000+/-0.009 χ^2/NDF: 50.8/39

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.015+/-0.009 χ^2/NDF:42.1/34

Out: -0.008+/-0.009 χ^2/NDF:44.1/39

All: 0.003+/-0.006 χ^2/NDF: 89.6/74



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 47.508+/-0.009 χ^2/NDF:1844307.4/20

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 46.619+/-0.009 χ^2/NDF:930466.5/18

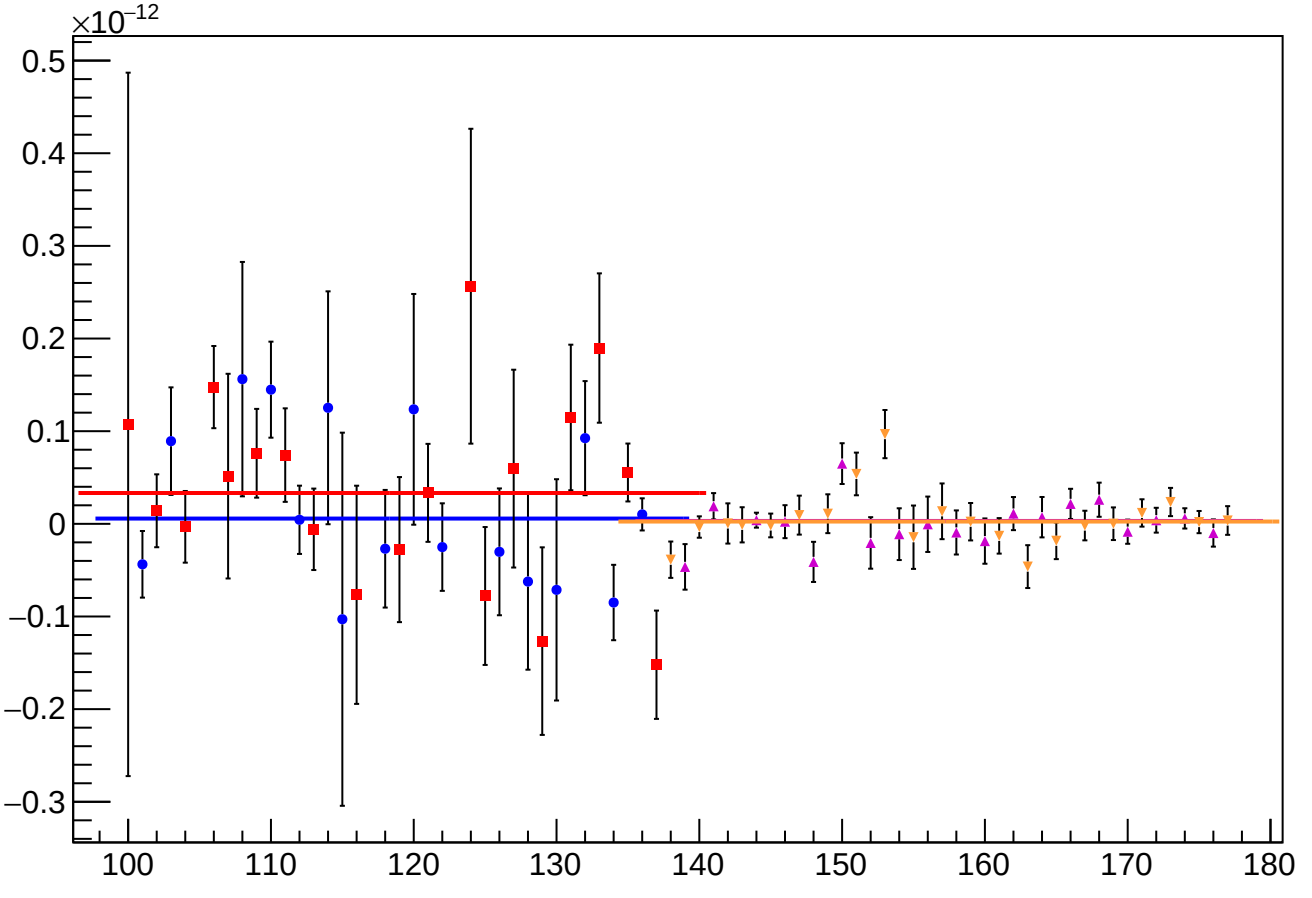
Left: 47.068+/-0.006 χ^2/NDF: 2779859.2/39

Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

In: 41.172+/-0.007 χ^2/NDF:2945848.3/34

Out: 40.327+/-0.006 χ^2/NDF:4938681.8/39

All: 40.736+/-0.005 χ^2/NDF: 7893029.8/74



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 33.5/18

Left In: 0.000+/-0.000 χ^2/NDF:24.2/18

Left: 0.000+/-0.000 χ^2/NDF: 56.4/39

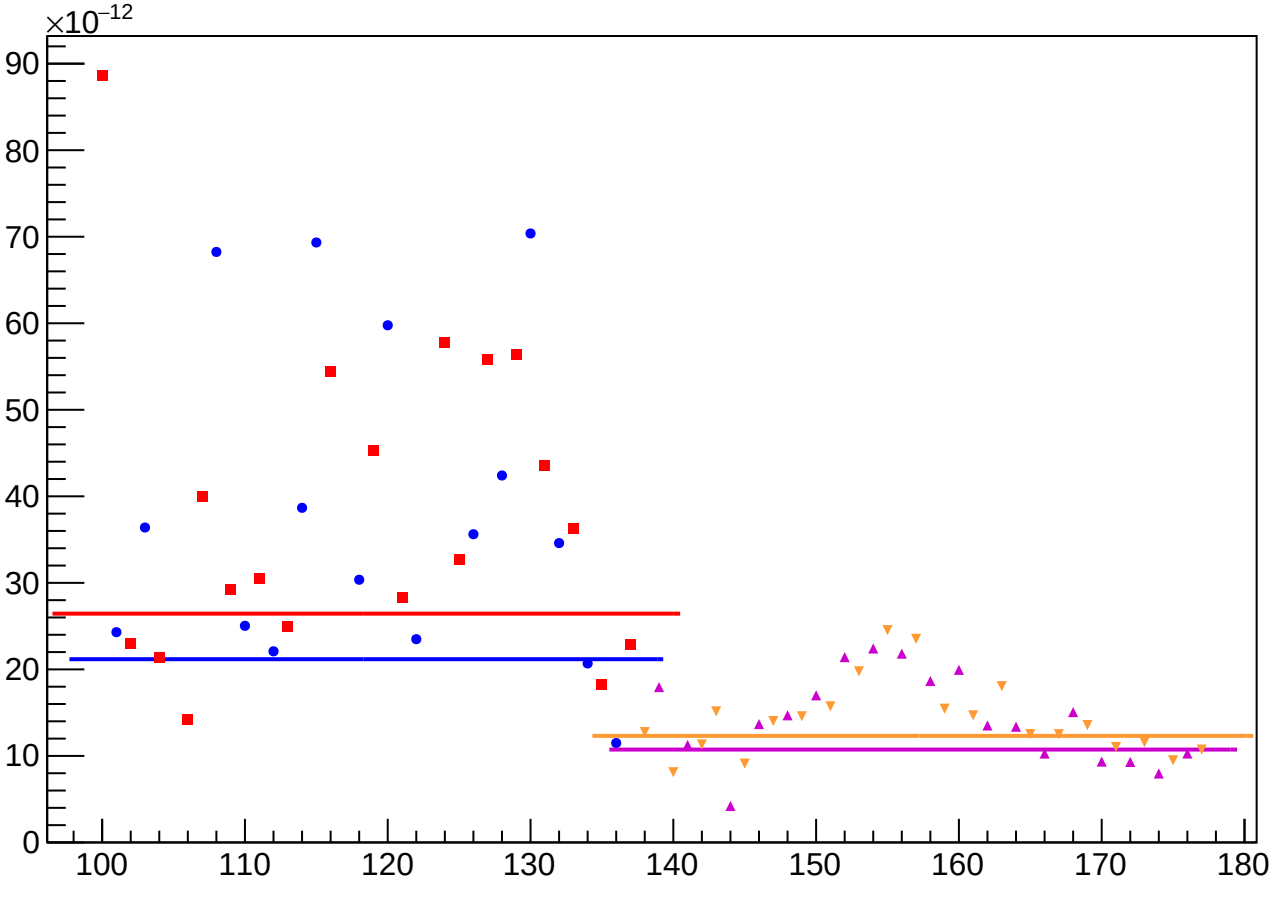
Right: 0.000+/-0.000 χ^2/NDF: 59.6/34

In: 0.000+/-0.000 χ^2/NDF:47.8/34

Out: 0.000+/-0.000 χ^2/NDF:70.8/39

All: 0.000+/-0.000 χ^2/NDF: 118.7/74

asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2081289.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1582980.1/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1217987.6/18

Left In: 0.000+/-0.000 χ^2/NDF:3554058.5/18

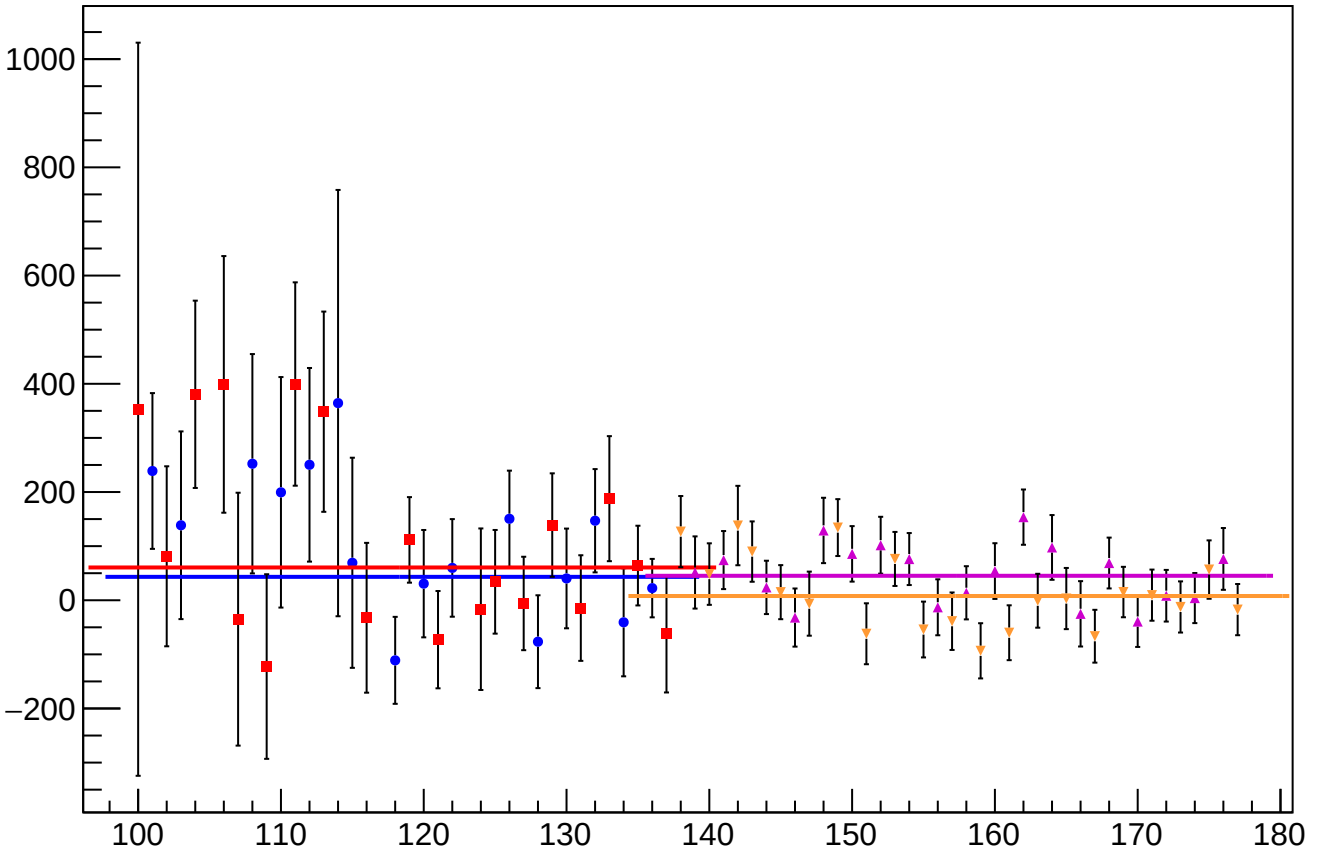
Left: 0.000+/-0.000 χ^2/NDF: 5313035.4/39

Right: 0.000+/-0.000 χ^2/NDF: 3483999.9/34

In: 0.000+/-0.000 χ^2/NDF:7150297.6/34

Out: 0.000+/-0.000 χ^2/NDF:4961080.6/39

All: 0.000+/-0.000 χ^2/NDF: 12337963.3/74



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 7.837+/-11.472 χ^2/NDF:30.0/20

Right Out: 60.582+/-26.894 χ^2/NDF: 20.4/18

Left In: 45.209+/-11.949 χ^2/NDF:20.2/18

Left: 25.761+/-8.275 χ^2/NDF: 55.3/39

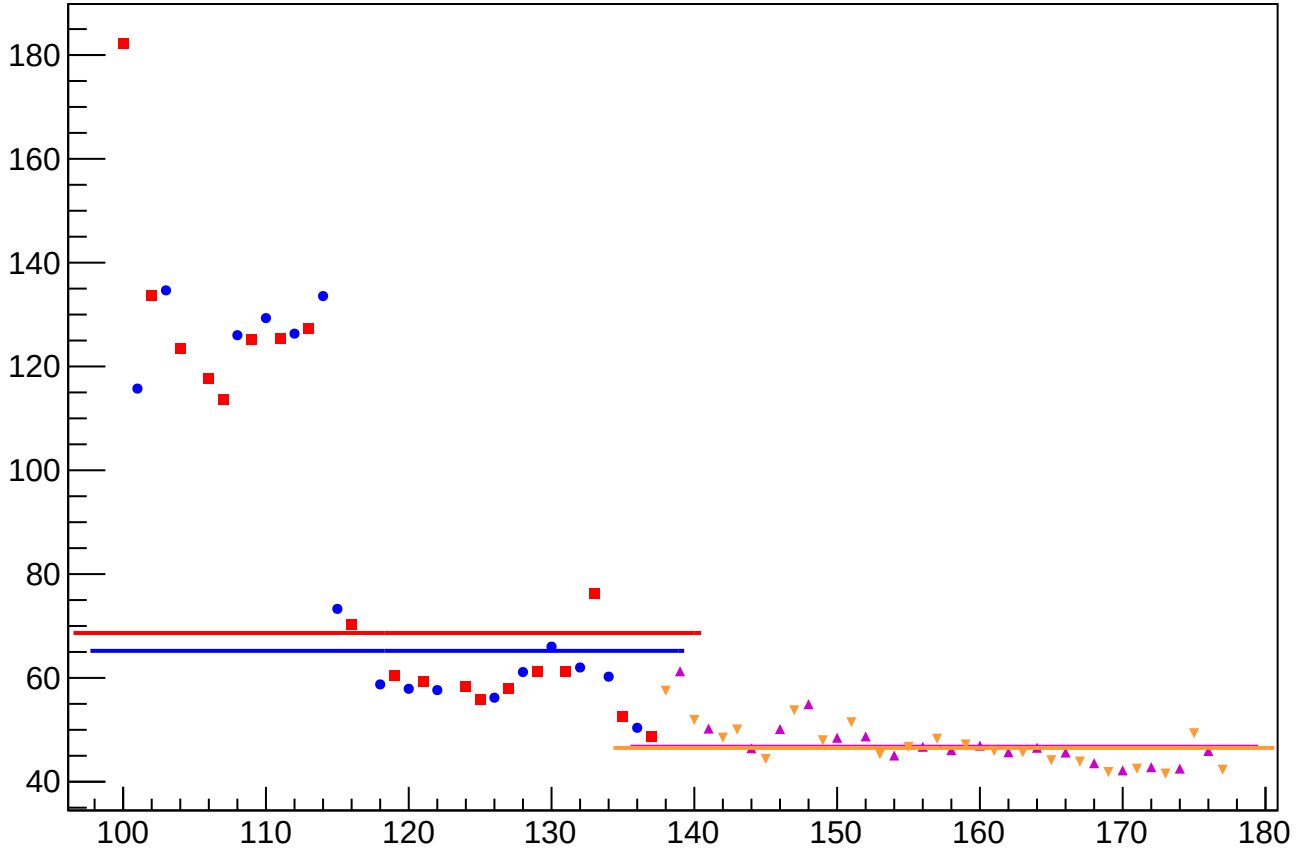
Right: 51.548+/-18.611 χ^2/NDF: 35.6/34

In: 44.862+/-10.842 χ^2/NDF:35.1/34

Out: 15.956+/-10.552 χ^2/NDF:53.7/39

All: 30.018+/-7.562 χ^2/NDF: 92.5/74

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 46.515+/-0.008 χ^2/NDF:225455.8/20

Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 46.749+/-0.008 χ^2/NDF:216618.2/18

Left: 46.627+/-0.006 χ^2/NDF: 442474.4/39

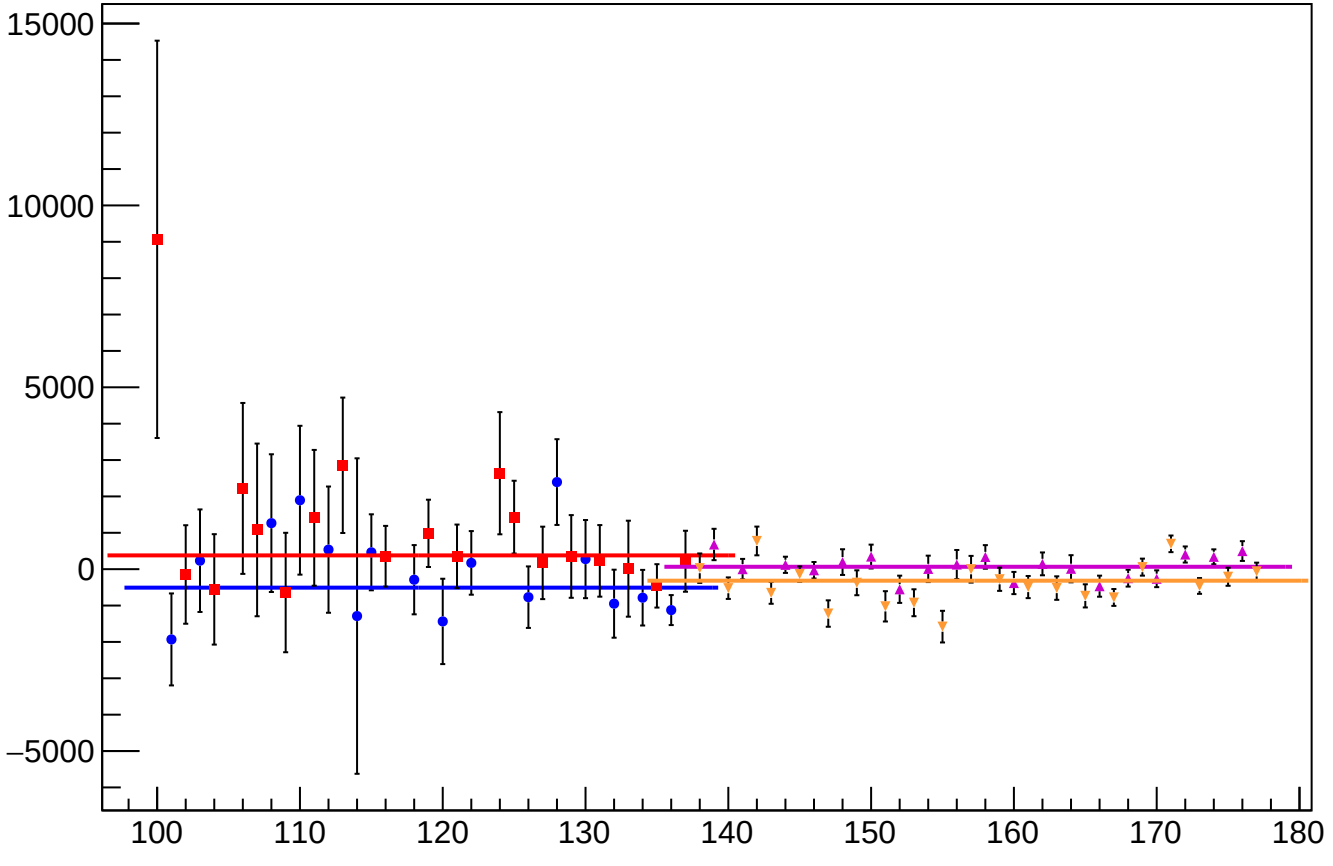
Right: 66.862+/-0.013 χ^2/NDF: 3104495.7/34

In: 50.014+/-0.008 χ^2/NDF:2507526.4/34

Out: 49.923+/-0.007 χ^2/NDF:3013275.9/39

All: 49.967+/-0.005 χ^2/NDF: 5520874.9/74

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: -316.524+/-63.235 χ^2/NDF:62.1/20

Right Out: 378.892+/-256.407 χ^2/NDF: 11.7/18

Left In: 65.757+/-64.466 χ^2/NDF:22.8/18

Left: -129.070+/-45.143 χ^2/NDF: 102.8/39

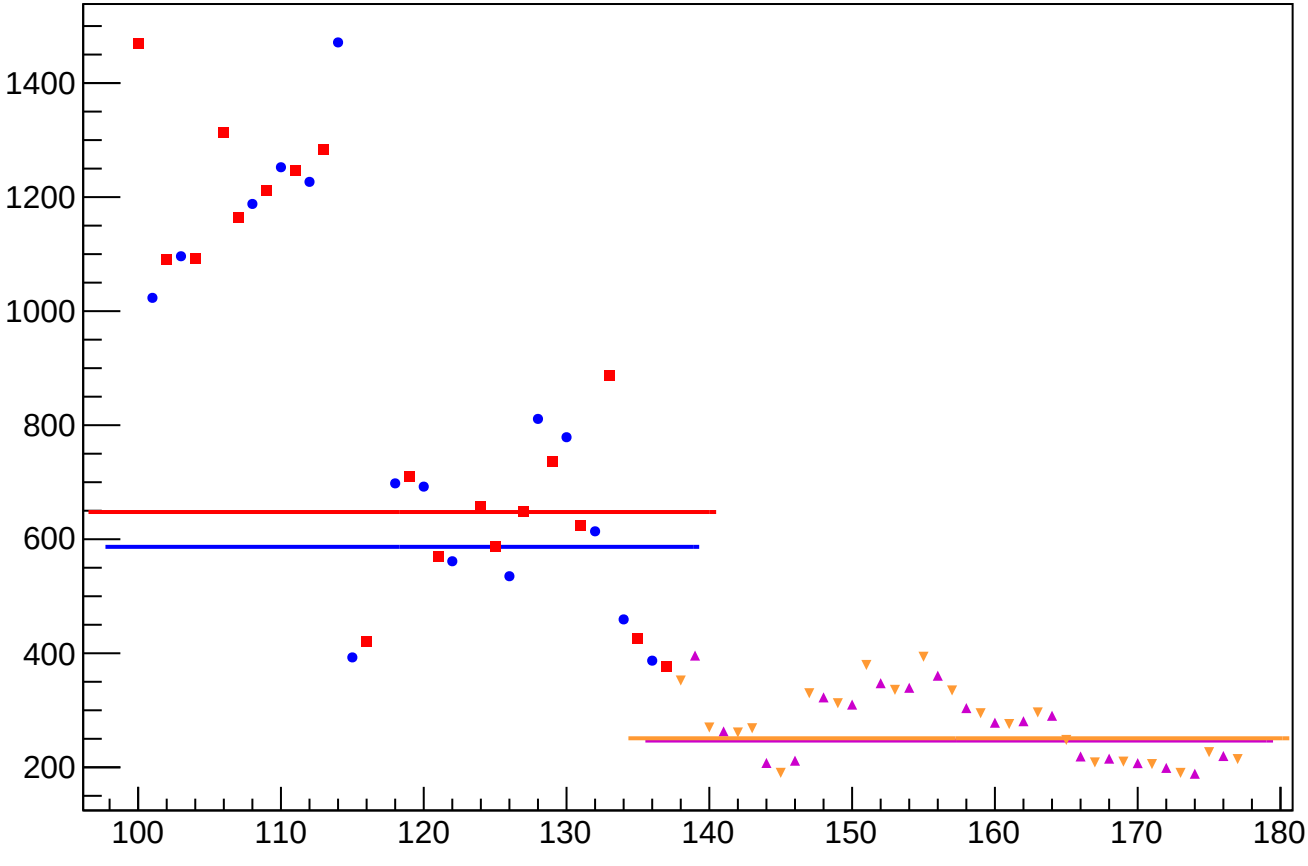
Right: -99.449+/-174.019 χ^2/NDF: 33.8/34

In: 26.217+/-62.205 χ^2/NDF:43.9/34

Out: -276.654+/-61.395 χ^2/NDF:80.8/39

All: -127.202+/-43.696 χ^2/NDF: 136.7/74

asym_sam_1526_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 250.905+/-0.045 χ^2/NDF:1598966.0/20

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

Left In: 246.909+/-0.046 χ^2/NDF:1480886.9/18

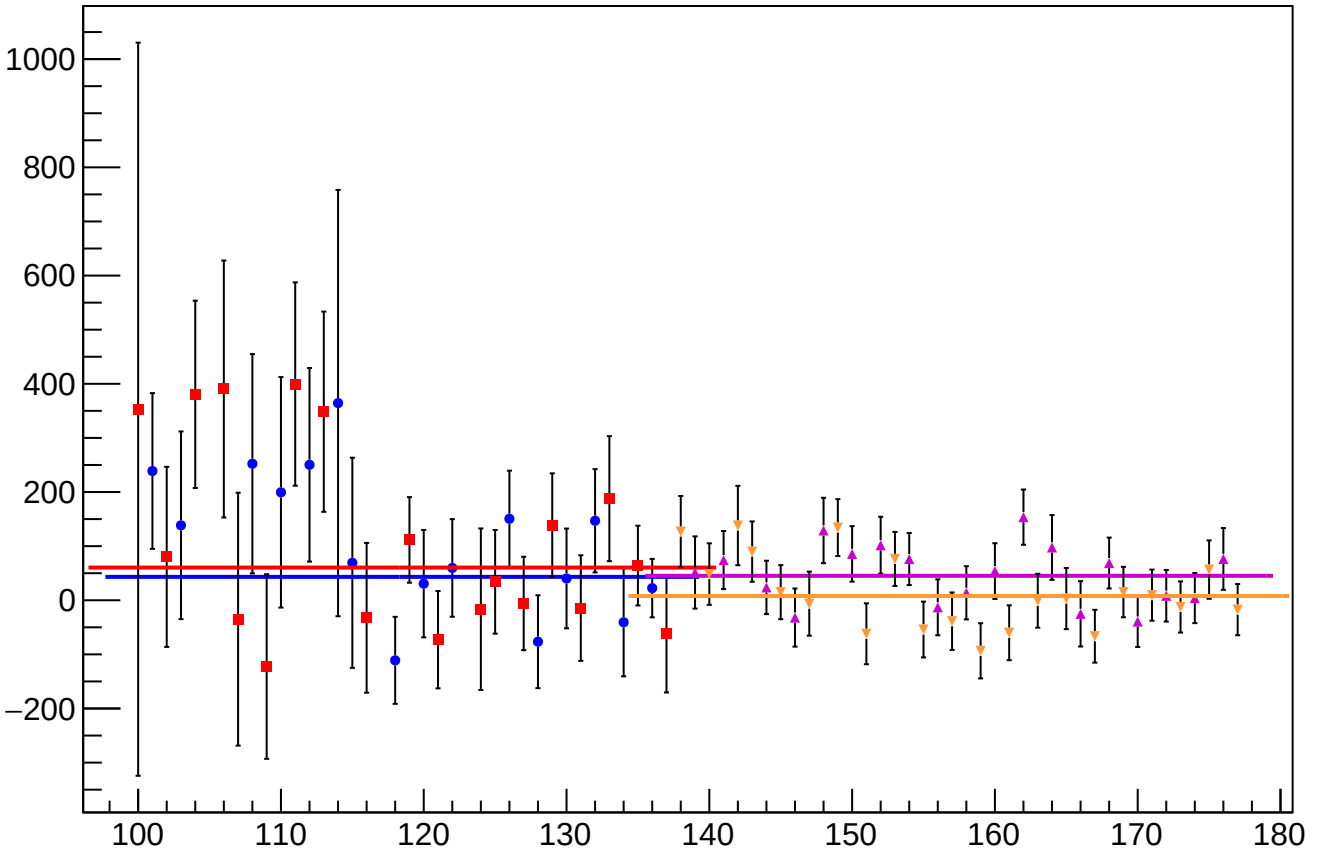
Left: 248.946+/-0.032 χ^2/NDF: 3083768.6/39

Right: 614.784+/-0.123 χ^2/NDF: 4220010.2/34

In: 270.325+/-0.044 χ^2/NDF:7362309.6/34

Out: 273.657+/-0.043 χ^2/NDF:8220450.0/39

All: 272.013+/-0.031 χ^2/NDF: 15585666.6/74



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 7.837+/-11.472 χ^2/NDF:30.0/20

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 45.208+/-11.949 χ^2/NDF:20.2/18

Left: 25.761+/-8.275 χ^2/NDF: 55.3/39

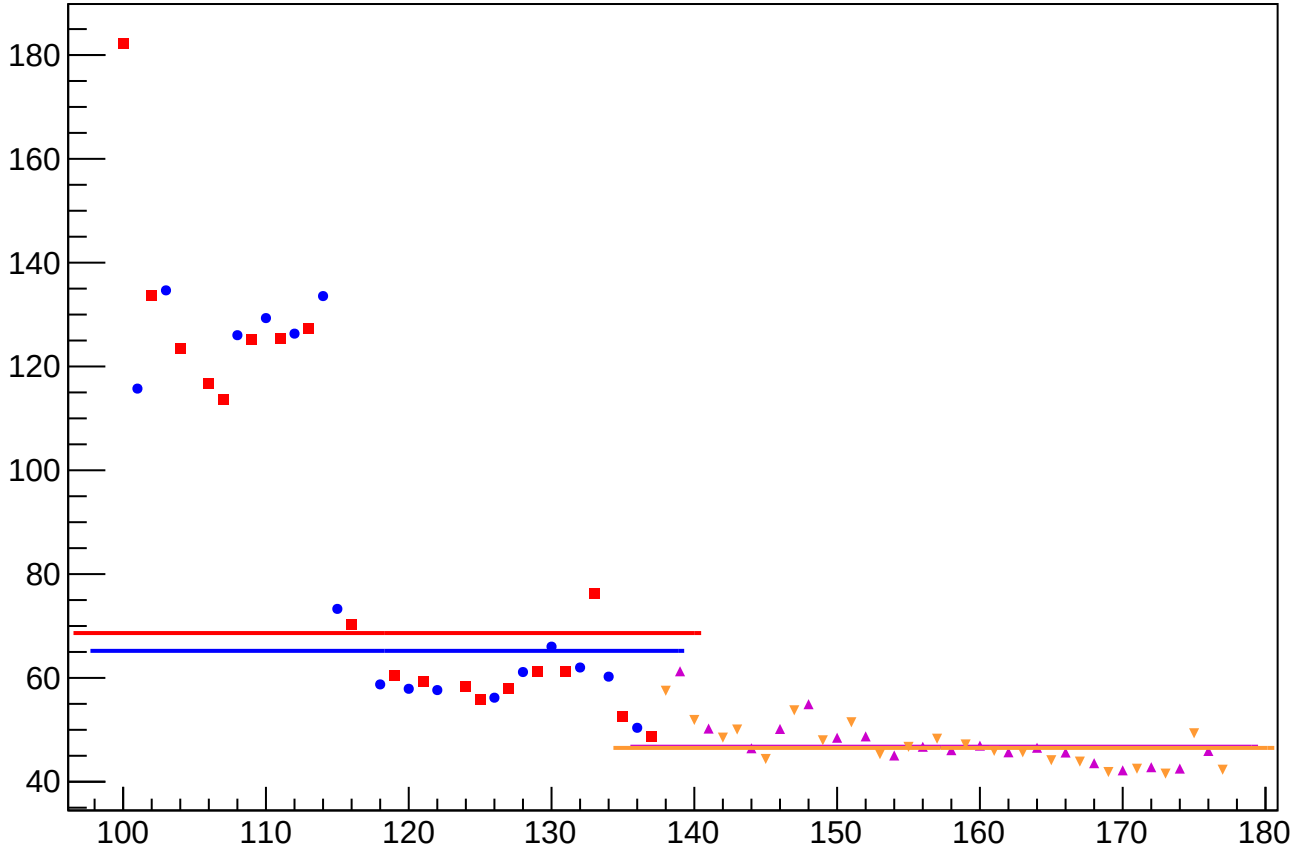
Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 44.860+/-10.842 χ^2/NDF:35.1/34

Out: 15.933+/-10.552 χ^2/NDF:53.5/39

All: 30.005+/-7.562 χ^2/NDF: 92.3/74

cor_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 46.515+/-0.008 χ^2/NDF:225455.8/20

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 46.749+/-0.008 χ^2/NDF:216618.2/18

Left: 46.627+/-0.006 χ^2/NDF: 442474.3/39

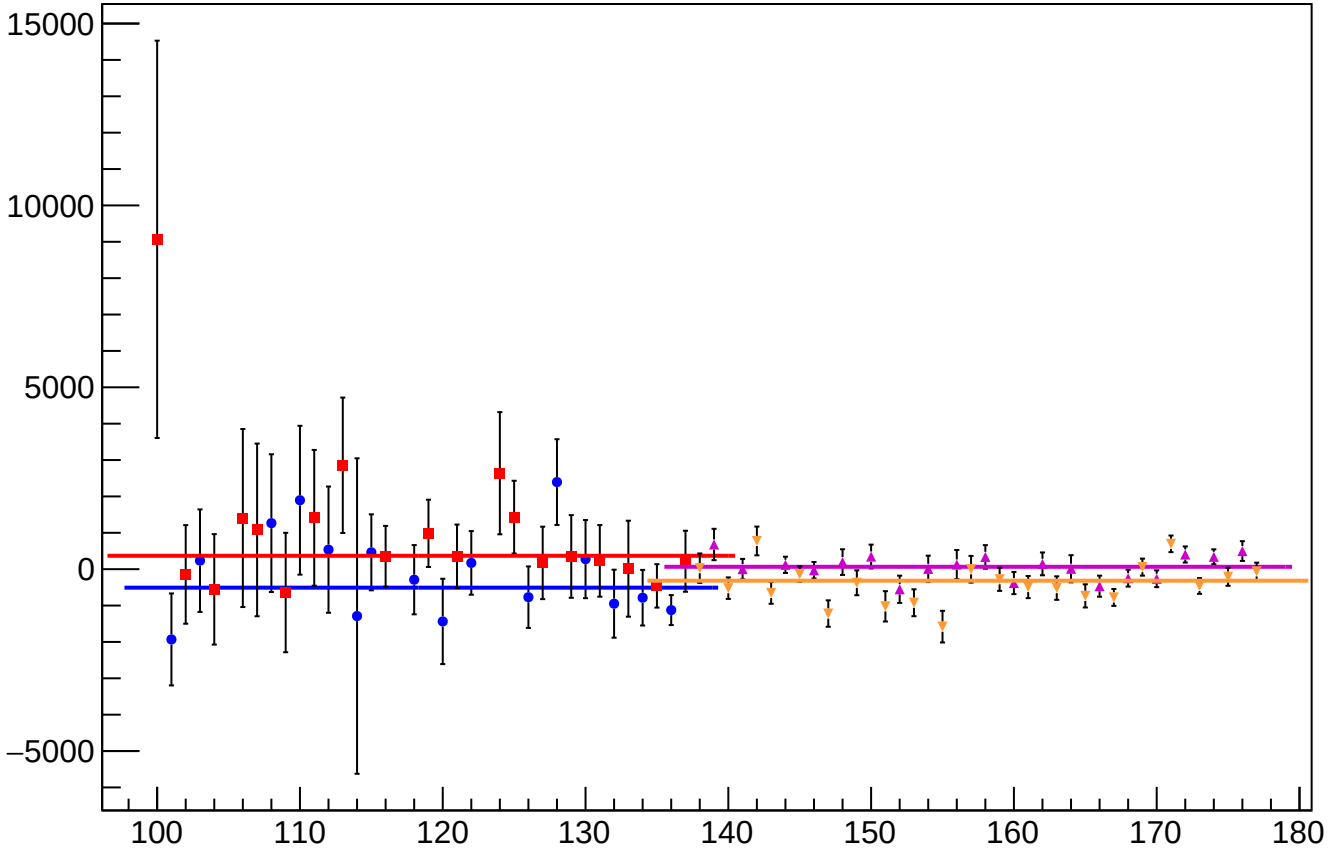
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 50.014+/-0.008 χ^2/NDF:2507528.5/34

Out: 49.921+/-0.007 χ^2/NDF:3008384.3/39

All: 49.966+/-0.005 χ^2/NDF: 5515989.2/74

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: -316.522+/-63.235 χ^2/NDF:62.1/20

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 65.755+/-64.466 χ^2/NDF:22.8/18

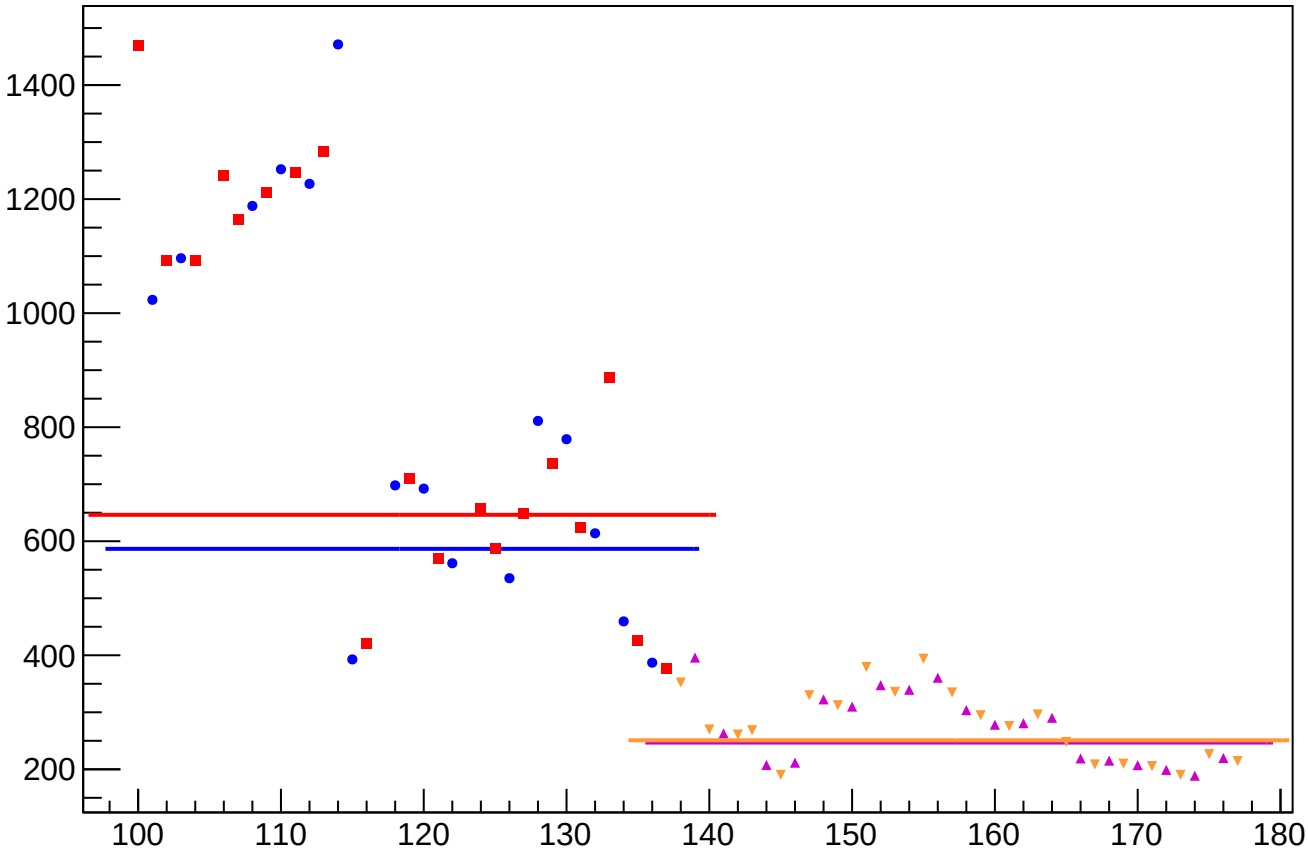
Left: -129.070+/-45.143 χ^2/NDF: 102.8/39

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: 26.217+/-62.205 χ^2/NDF:43.9/34

Out: -277.293+/-61.397 χ^2/NDF:80.2/39

All: -127.522+/-43.697 χ^2/NDF: 136.1/74



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 250.905+/-0.045 χ^2/NDF:1598977.0/20

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 246.909+/-0.046 χ^2/NDF:1480881.8/18

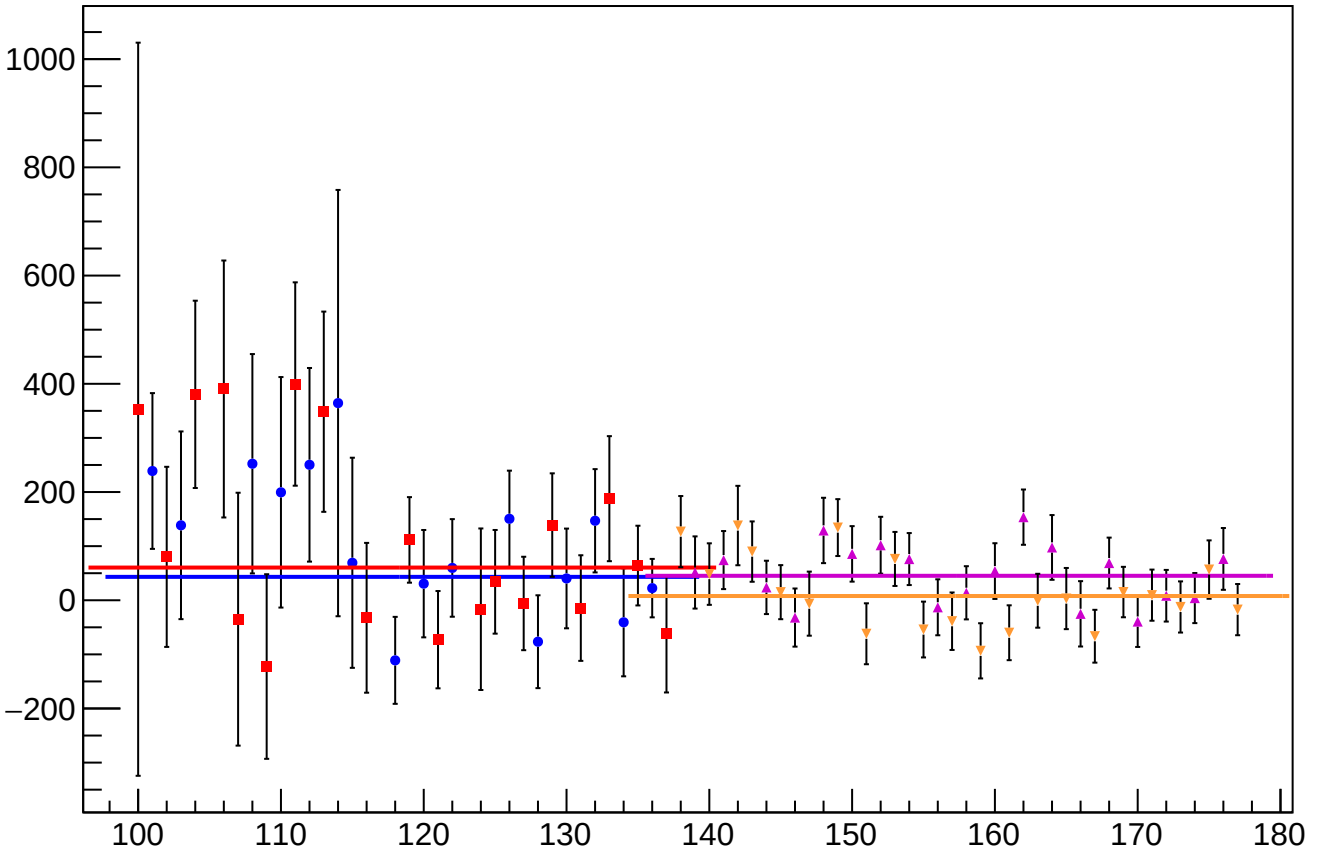
Left: 248.946+/-0.032 χ^2/NDF: 3083773.7/39

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 270.325+/-0.044 χ^2/NDF:7362322.1/34

Out: 273.554+/-0.043 χ^2/NDF:8141844.2/39

All: 271.961+/-0.031 χ^2/NDF: 15506897.6/74



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 7.837+/-11.472 χ^2/NDF:30.0/20

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 45.208+/-11.949 χ^2/NDF:20.2/18

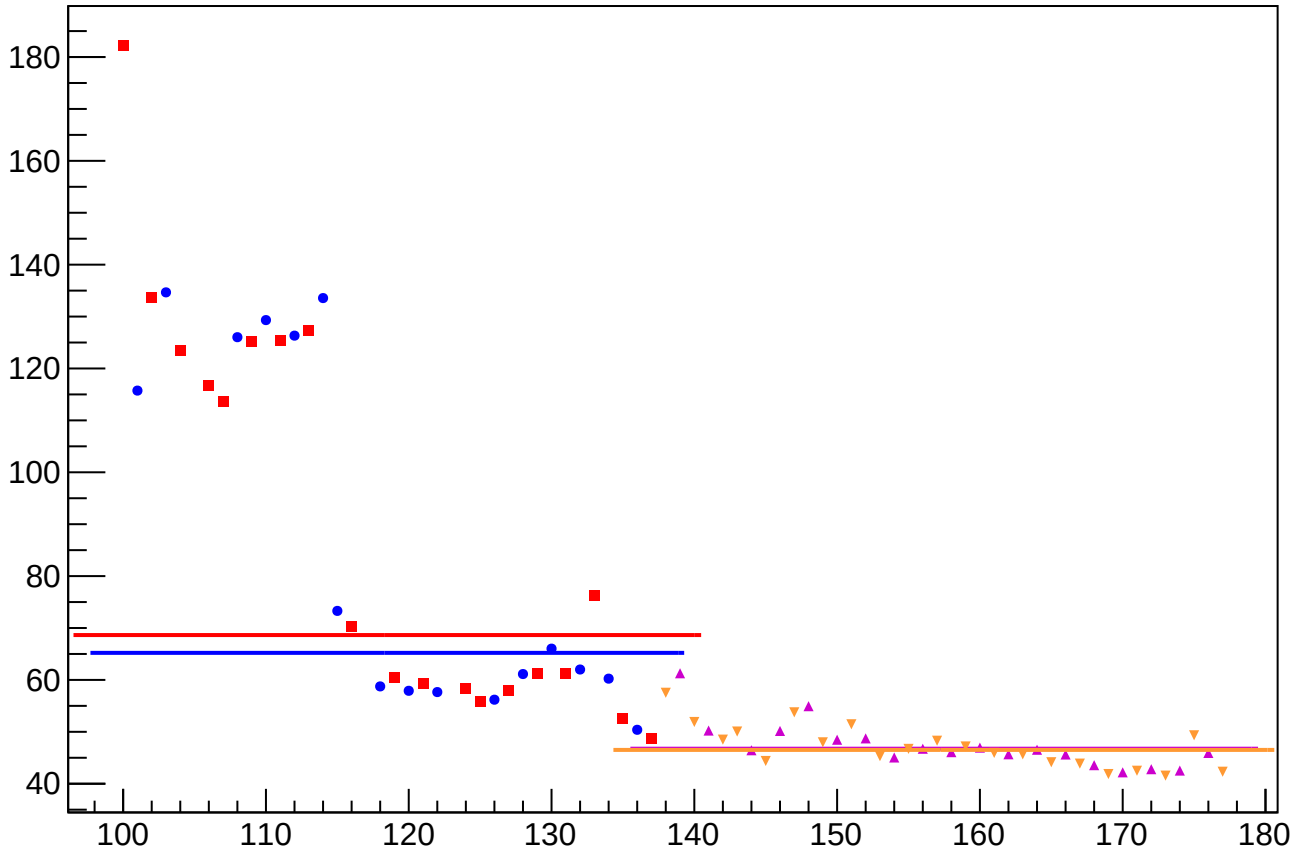
Left: 25.761+/-8.275 χ^2/NDF: 55.3/39

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 44.860+/-10.842 χ^2/NDF:35.1/34

Out: 15.933+/-10.552 χ^2/NDF:53.5/39

All: 30.005+/-7.562 χ^2/NDF: 92.3/74



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 46.515+/-0.008 χ^2/NDF:225455.8/20

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 46.749+/-0.008 χ^2/NDF:216618.2/18

Left: 46.627+/-0.006 χ^2/NDF: 442474.3/39

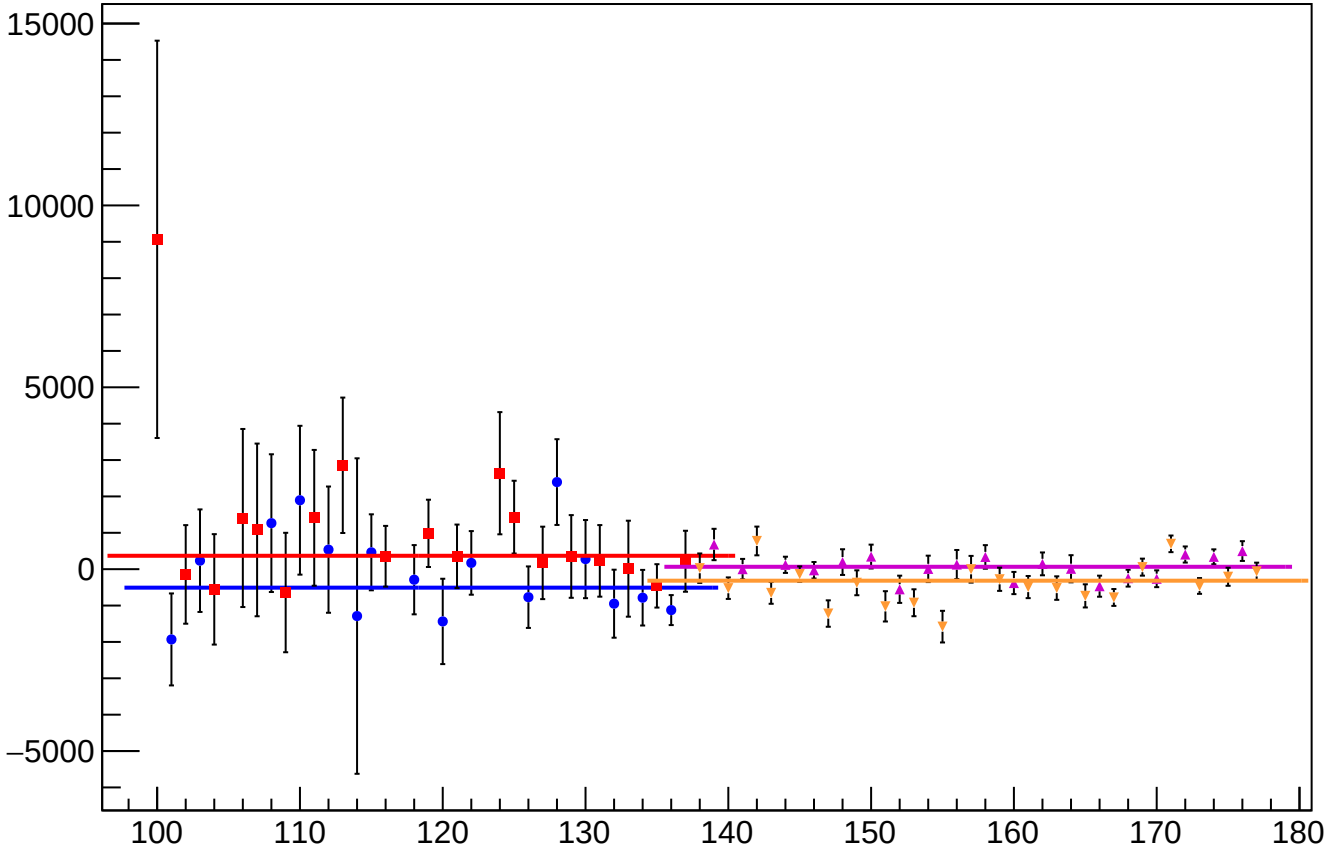
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 50.014+/-0.008 χ^2/NDF:2507528.5/34

Out: 49.921+/-0.007 χ^2/NDF:3008384.3/39

All: 49.966+/-0.005 χ^2/NDF: 5515989.2/74

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: -316.522+/-63.235 χ^2/NDF:62.1/20

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 65.755+/-64.466 χ^2/NDF:22.8/18

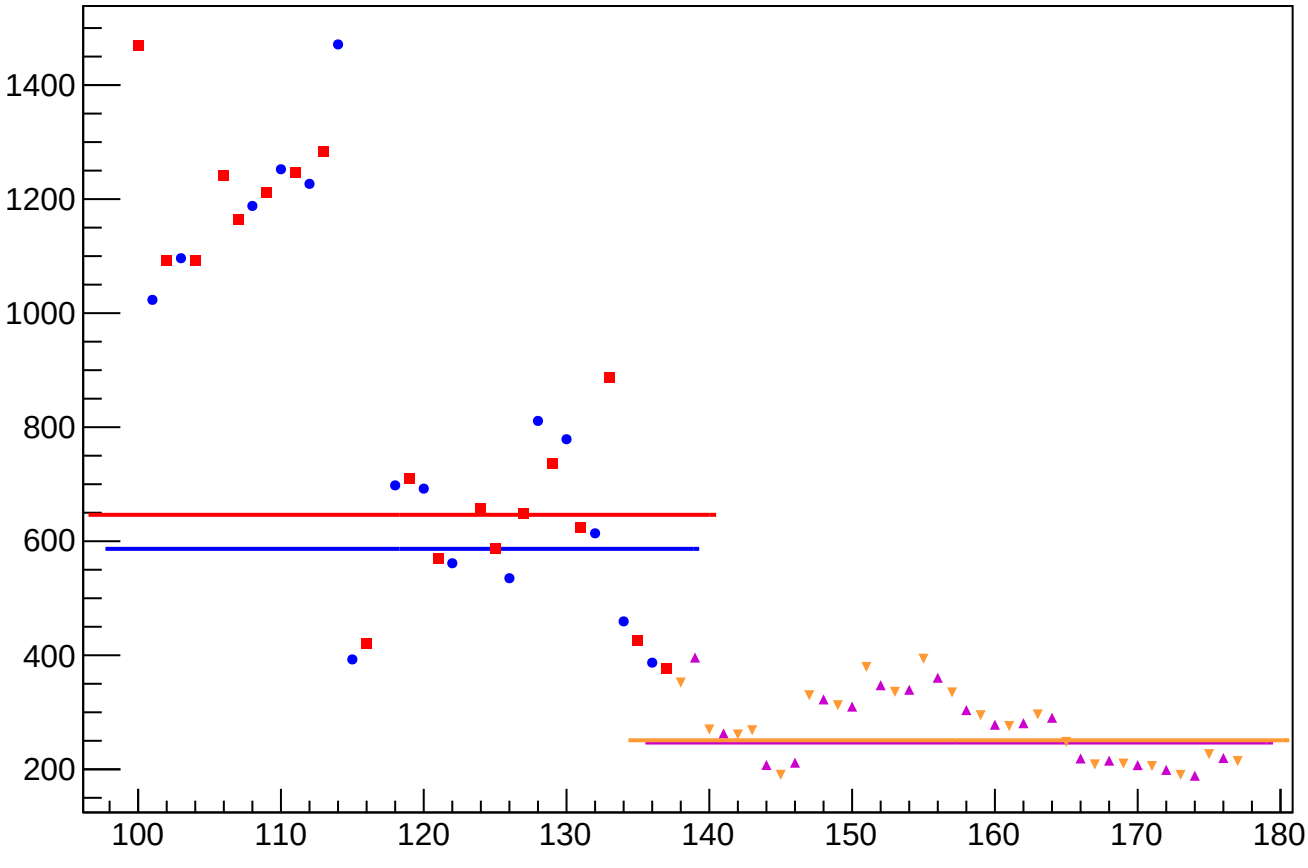
Left: -129.070+/-45.143 χ^2/NDF: 102.8/39

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: 26.217+/-62.205 χ^2/NDF:43.9/34

Out: -277.293+/-61.397 χ^2/NDF:80.2/39

All: -127.522+/-43.697 χ^2/NDF: 136.1/74



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 250.905+/-0.045 χ^2/NDF:1598977.0/20

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 246.909+/-0.046 χ^2/NDF:1480881.8/18

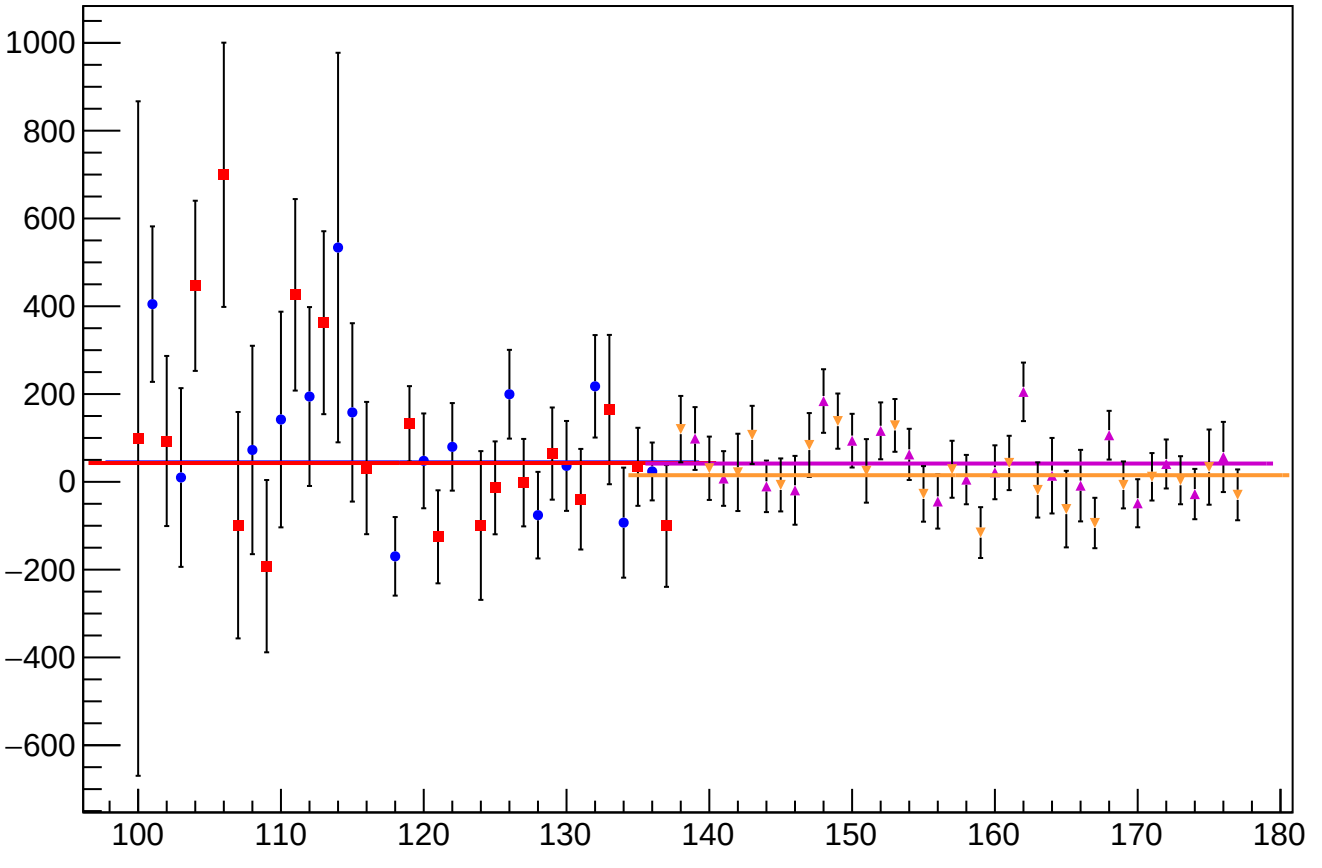
Left: 248.946+/-0.032 χ^2/NDF: 3083773.7/39

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 270.325+/-0.044 χ^2/NDF:7362322.1/34

Out: 273.554+/-0.043 χ^2/NDF:8141844.2/39

All: 271.961+/-0.031 χ^2/NDF: 15506897.6/74



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 15.140+/-14.001 χ^2/NDF:23.7/20

Right Out: 42.901+/-31.248 χ^2/NDF: 23.3/18

Left In: 41.700+/-14.602 χ^2/NDF:22.9/18

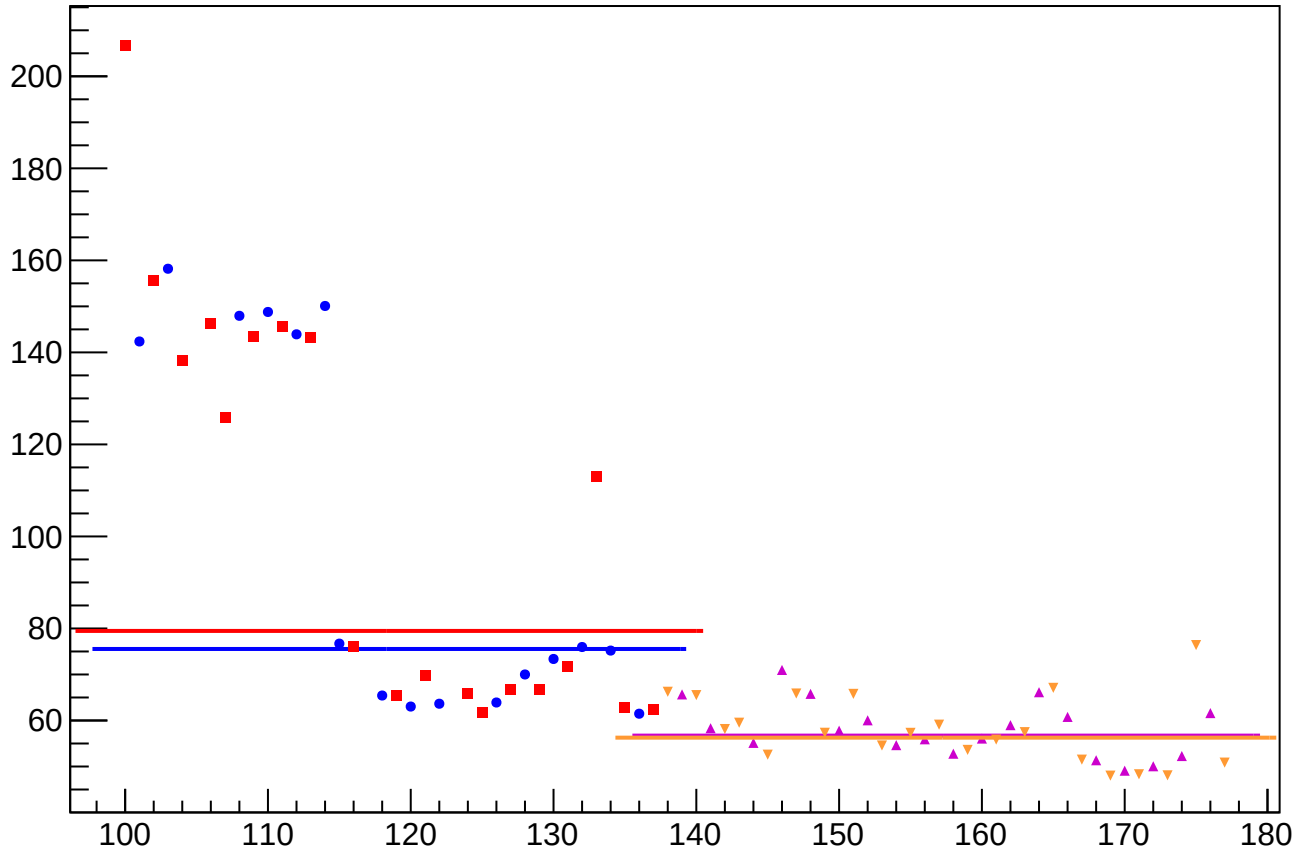
Left: 27.862+/-10.106 χ^2/NDF: 48.3/39

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 42.217+/-13.122 χ^2/NDF:42.5/34

Out: 19.781+/-12.777 χ^2/NDF:47.6/39

All: 30.701+/-9.154 χ^2/NDF: 91.6/74



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 56.270+/-0.010 χ^2/NDF:469982.1/20

Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

Left In: 56.715+/-0.010 χ^2/NDF:287254.4/18

Left: 56.483+/-0.007 χ^2/NDF: 758203.9/39

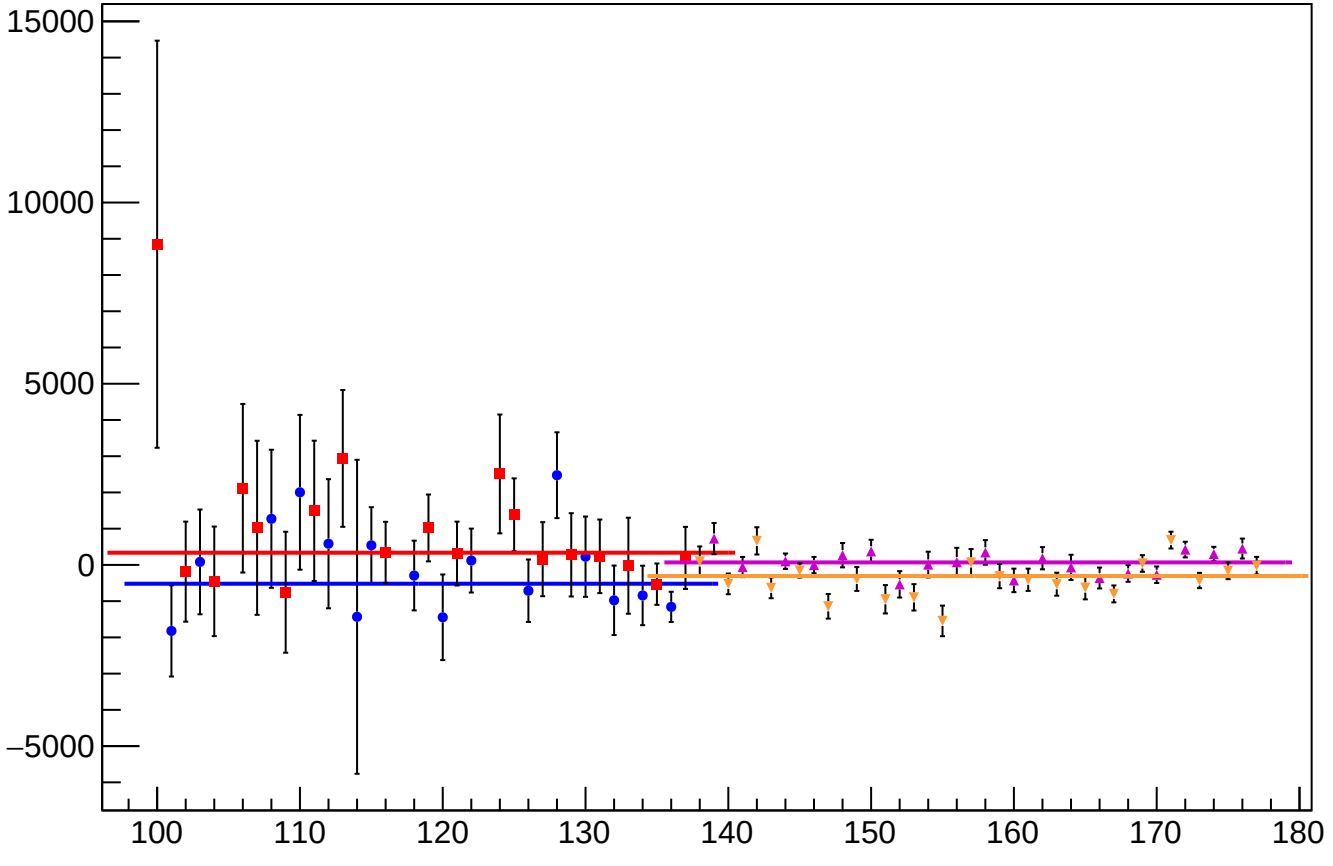
Right: 77.419+/-0.015 χ^2/NDF: 3165620.3/34

In: 60.339+/-0.009 χ^2/NDF:2392932.6/34

Out: 60.148+/-0.009 χ^2/NDF:3071369.4/39

All: 60.241+/-0.006 χ^2/NDF: 5464519.5/74

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: -306.355+/-61.854 χ^2/NDF:59.9/20

Right Out: 336.731+/-256.618 χ^2/NDF: 11.9/18

Left In: 69.112+/-63.414 χ^2/NDF:22.3/18

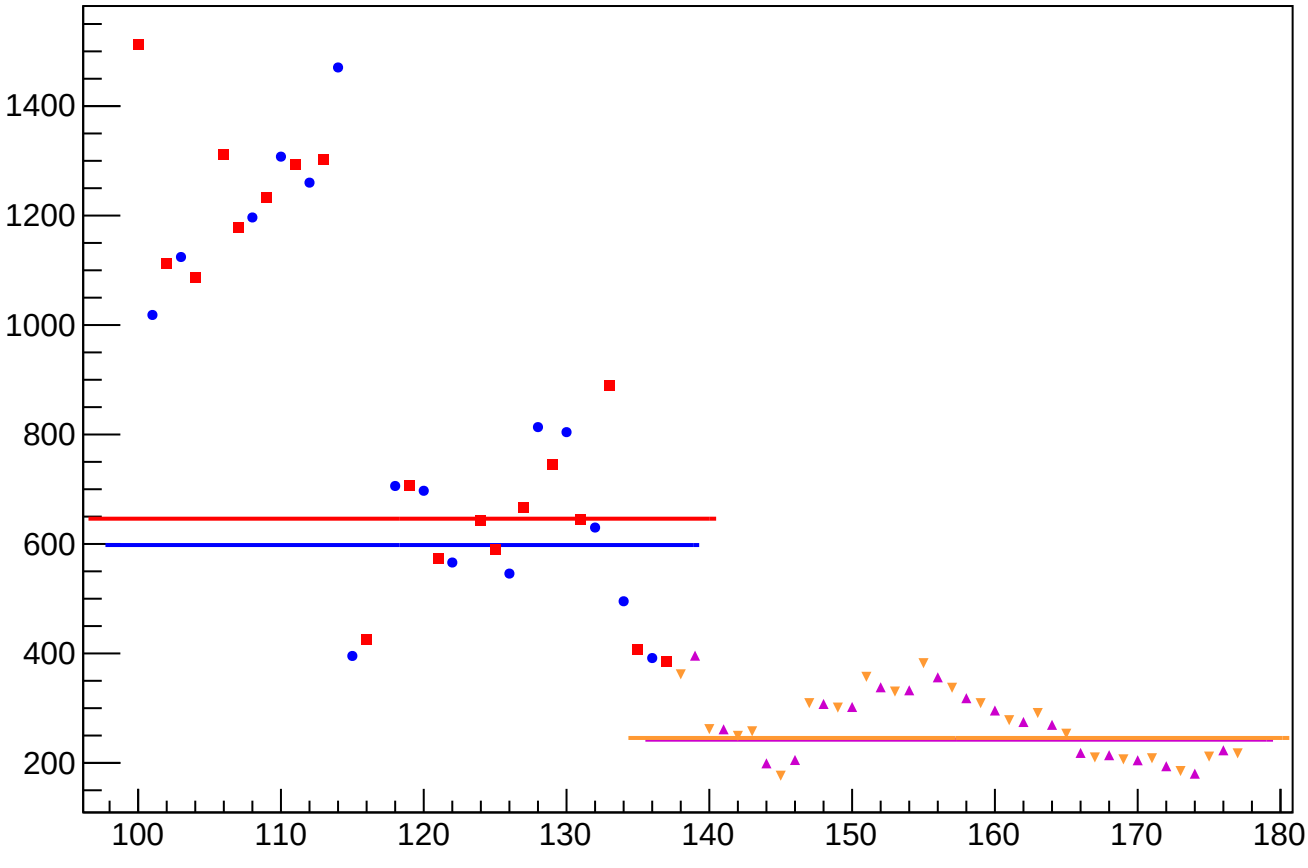
Left: -123.298+/-44.279 χ^2/NDF: 100.1/39

Right: -117.538+/-175.797 χ^2/NDF: 33.6/34

In: 31.106+/-61.332 χ^2/NDF:43.6/34

Out: -271.044+/-60.132 χ^2/NDF:77.7/39

All: -122.954+/-42.938 χ^2/NDF: 133.8/74



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 245.566+/-0.044 χ^2/NDF:1673650.9/20

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

Left In: 242.400+/-0.045 χ^2/NDF:1578264.7/18

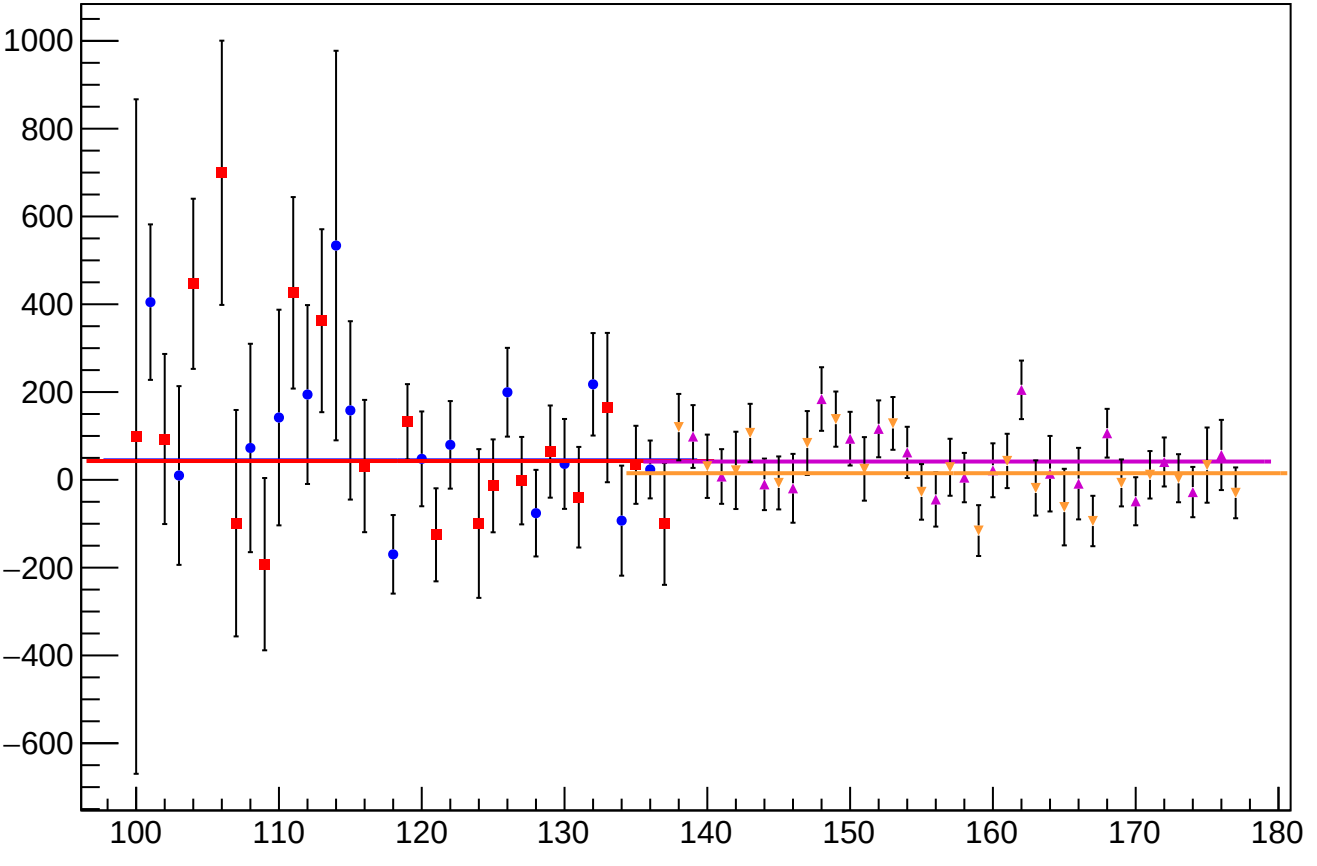
Left: 244.023+/-0.031 χ^2/NDF: 3254470.5/39

Right: 620.639+/-0.124 χ^2/NDF: 4290624.3/34

In: 265.373+/-0.043 χ^2/NDF:7689454.6/34

Out: 267.564+/-0.043 χ^2/NDF:8485935.3/39

All: 266.490+/-0.030 χ^2/NDF: 16176691.0/74



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 15.139+/-14.001 χ^2/NDF:23.7/20

Right Out: 42.900+/-31.248 χ^2/NDF: 23.3/18

Left In: 41.699+/-14.602 χ^2/NDF:22.9/18

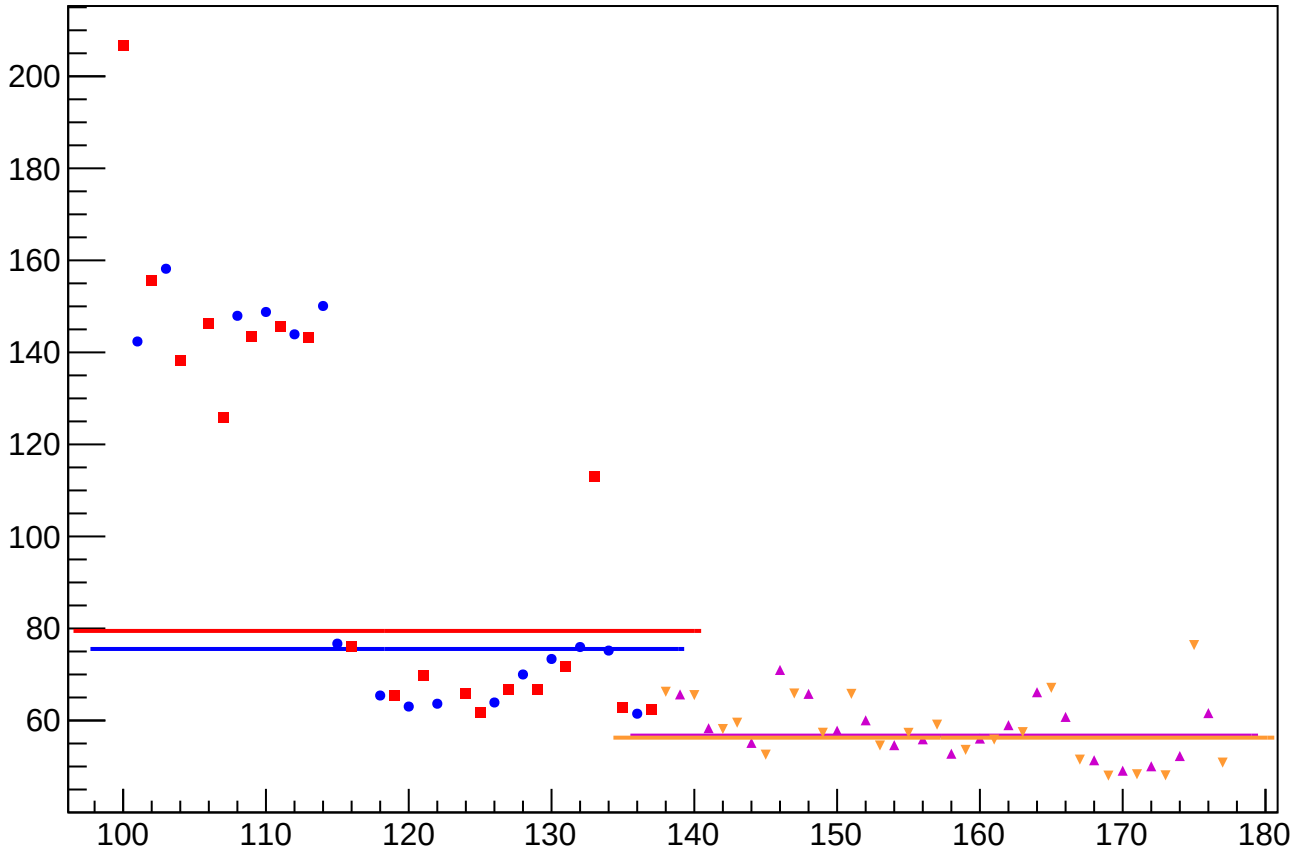
Left: 27.861+/-10.106 χ^2/NDF: 48.3/39

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 42.216+/-13.122 χ^2/NDF:42.5/34

Out: 19.781+/-12.777 χ^2/NDF:47.6/39

All: 30.700+/-9.154 χ^2/NDF: 91.6/74



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 56.270+/-0.010 χ^2/NDF:469984.8/20

Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 56.715+/-0.010 χ^2/NDF:287254.6/18

Left: 56.483+/-0.007 χ^2/NDF: 758207.2/39

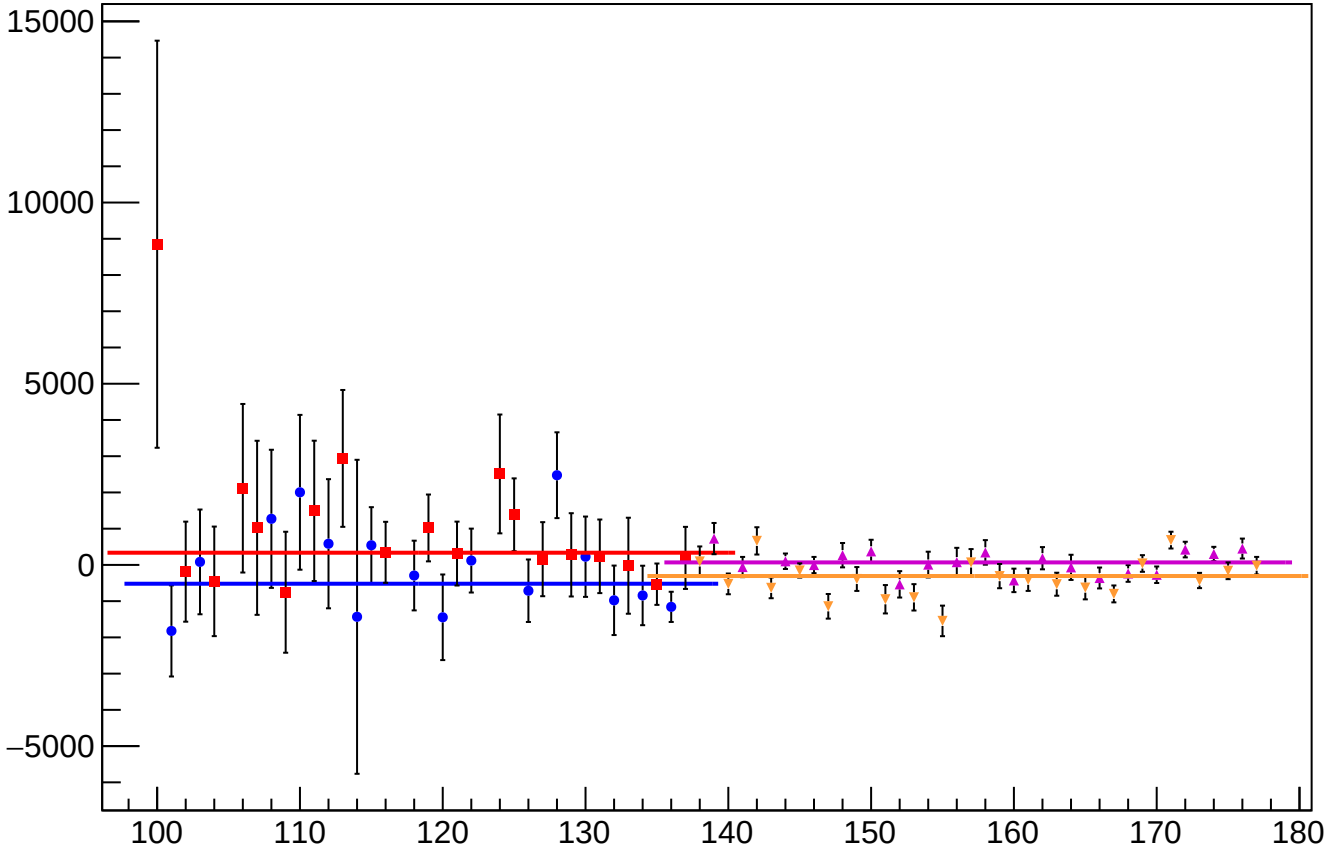
Right: 77.419+/-0.015 χ^2/NDF: 3165598.5/34

In: 60.339+/-0.009 χ^2/NDF:2392888.5/34

Out: 60.148+/-0.009 χ^2/NDF:3071341.0/39

All: 60.241+/-0.006 χ^2/NDF: 5464447.3/74

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: -306.354+/-61.854 χ^2/NDF:59.9/20

Right Out: 336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: 69.111+/-63.414 χ^2/NDF:22.3/18

Left: -123.298+/-44.279 χ^2/NDF: 100.1/39

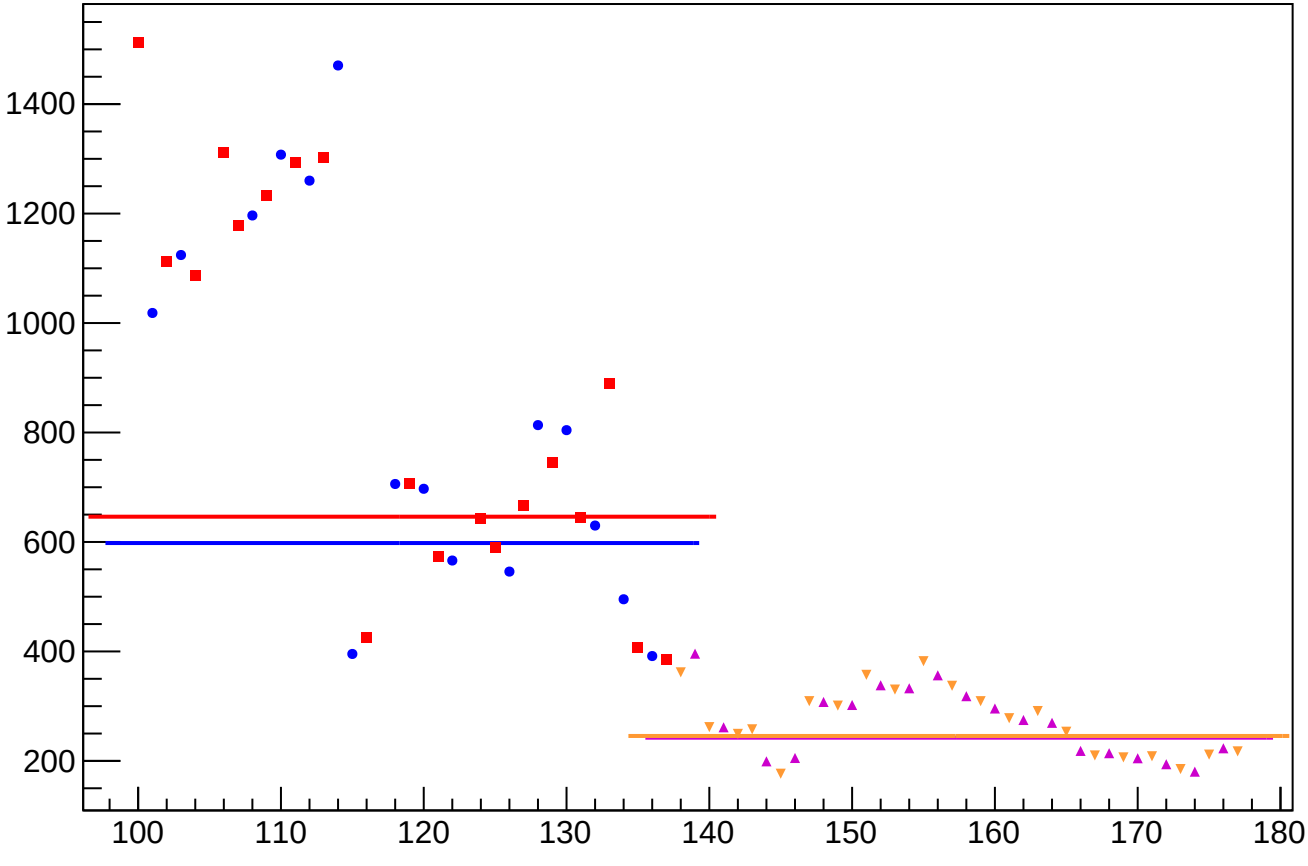
Right: -117.537+/-175.797 χ^2/NDF: 33.6/34

In: 31.106+/-61.332 χ^2/NDF:43.6/34

Out: -271.043+/-60.132 χ^2/NDF:77.7/39

All: -122.954+/-42.938 χ^2/NDF: 133.8/74

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: 245.566+/-0.044 χ^2/NDF:1673652.1/20

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

Left In: 242.400+/-0.045 χ^2/NDF:1578256.4/18

Left: 244.023+/-0.031 χ^2/NDF: 3254463.1/39

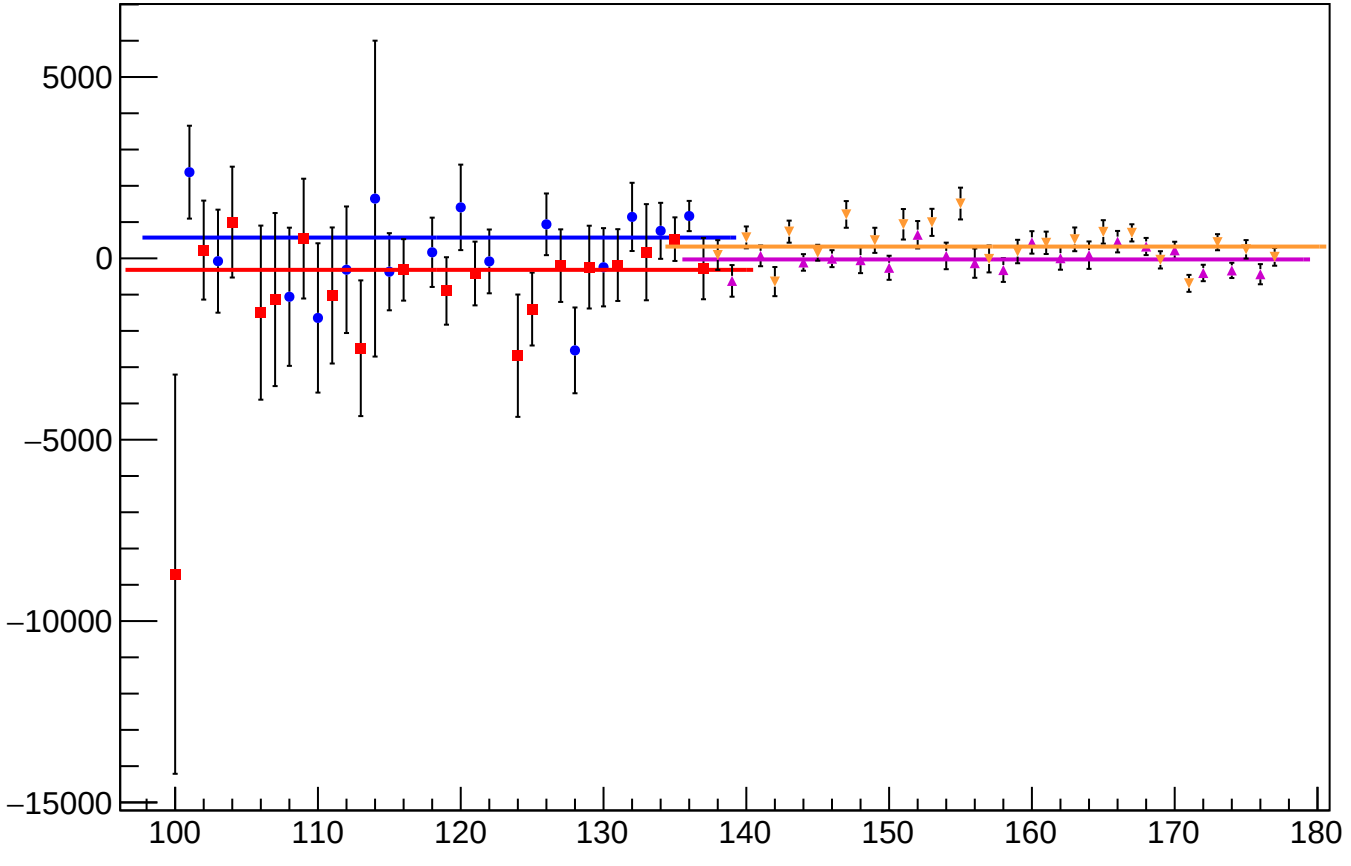
Right: 620.638+/-0.124 χ^2/NDF: 4290589.9/34

In: 265.373+/-0.043 χ^2/NDF:7689433.0/34

Out: 267.563+/-0.043 χ^2/NDF:8485931.0/39

All: 266.490+/-0.030 χ^2/NDF: 16176664.9/74

asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 324.939+/-64.405 χ^2/NDF:56.5/20

Right Out: -316.830+/-258.239 χ^2/NDF: 11.0/18

Left In: -29.418+/-65.750 χ^2/NDF:22.2/18

Left: 151.422+/-46.009 χ^2/NDF: 93.6/39

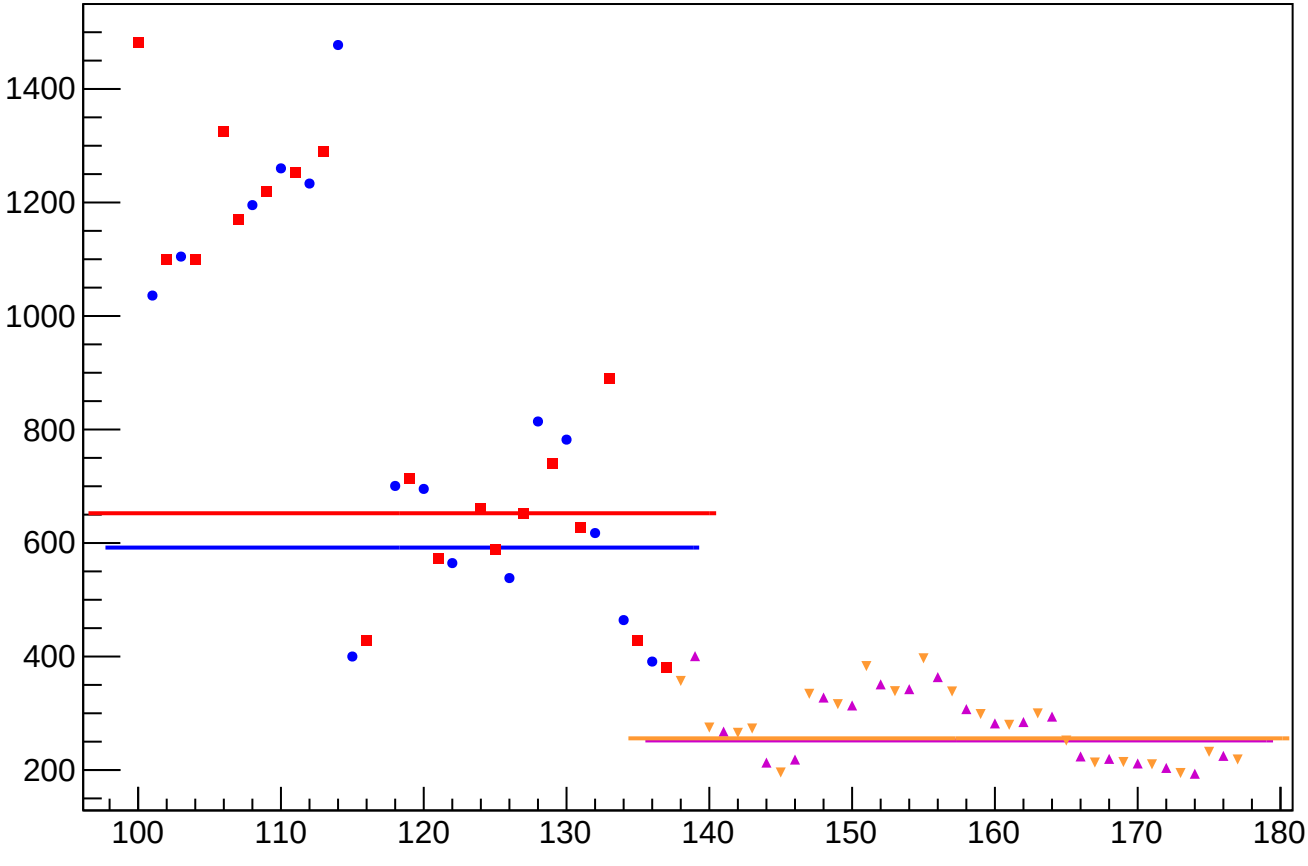
Right: 162.809+/-175.375 χ^2/NDF: 34.0/34

In: 13.019+/-63.393 χ^2/NDF:44.7/34

Out: 287.358+/-62.491 χ^2/NDF:73.3/39

All: 152.155+/-44.503 χ^2/NDF: 127.6/74

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 255.846+/-0.046 χ^2/NDF:1529629.3/20

Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 252.155+/-0.046 χ^2/NDF:1408823.8/18

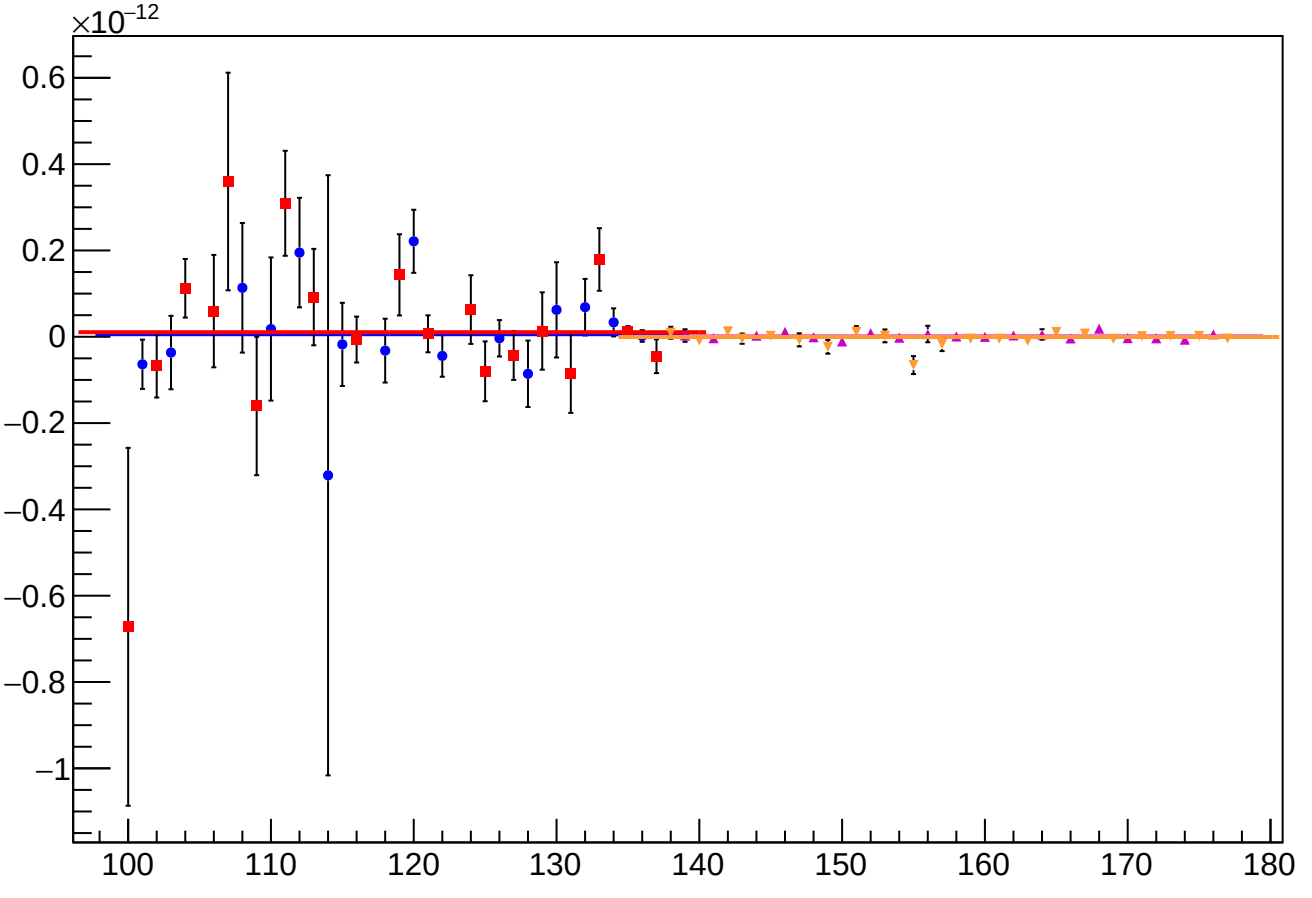
Left: 254.039+/-0.033 χ^2/NDF: 2941670.9/39

Right: 619.870+/-0.124 χ^2/NDF: 4184800.0/34

In: 276.078+/-0.045 χ^2/NDF:7205604.6/34

Out: 279.071+/-0.044 χ^2/NDF:8060953.5/39

All: 277.596+/-0.031 χ^2/NDF: 15268819.6/74



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/18

Left In: 0.000+/-0.000 χ^2/NDF:11.6/18

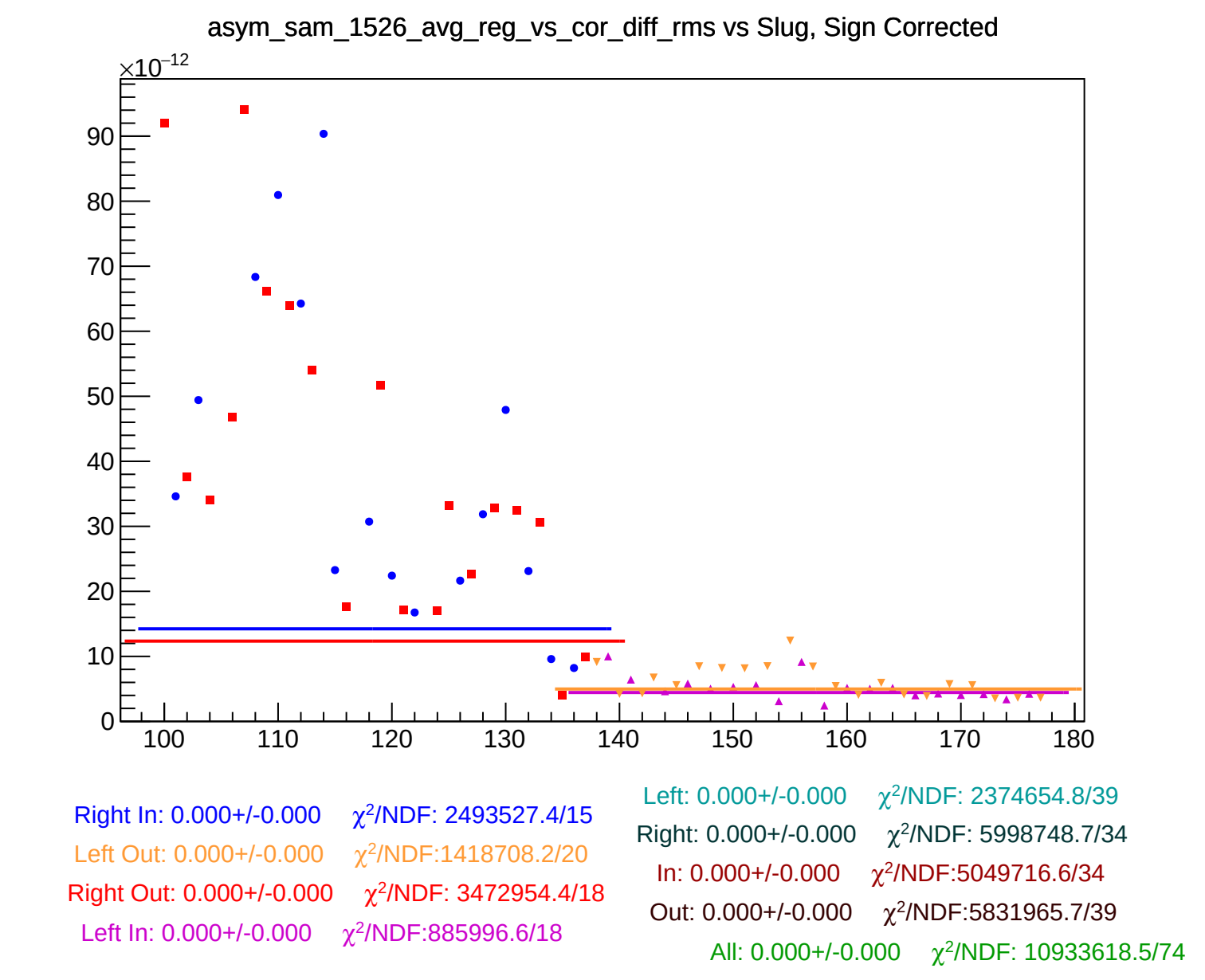
Left: 0.000+/-0.000 χ^2/NDF: 33.9/39

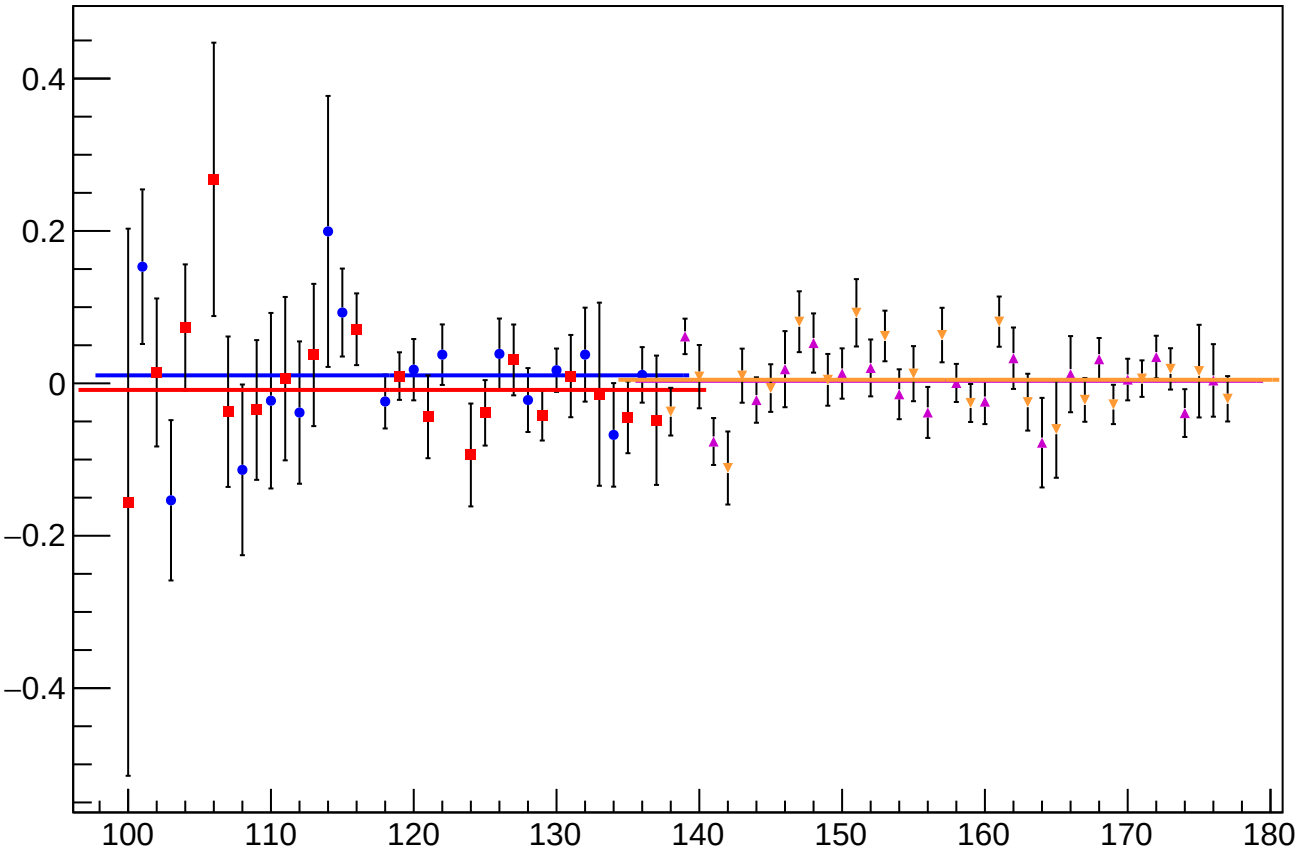
Right: 0.000+/-0.000 χ^2/NDF: 47.8/34

In: 0.000+/-0.000 χ^2/NDF:30.1/34

Out: -0.000+/-0.000 χ^2/NDF:52.7/39

All: 0.000+/-0.000 χ^2/NDF: 82.9/74


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:1418708.2/20
Right Out: 0.000+/-0.000 χ²/NDF: 3472954.4/18
Left In: 0.000+/-0.000 χ²/NDF:885996.6/18
Left: 0.000+/-0.000 χ²/NDF: 2374654.8/39
Right: 0.000+/-0.000 χ²/NDF: 5998748.7/34
In: 0.000+/-0.000 χ²/NDF:5049716.6/34
Out: 0.000+/-0.000 χ²/NDF:5831965.7/39
All: 0.000+/-0.000 χ²/NDF: 10933618.5/74



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:33.1/20

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.003+/-0.007 χ^2/NDF:25.0/18

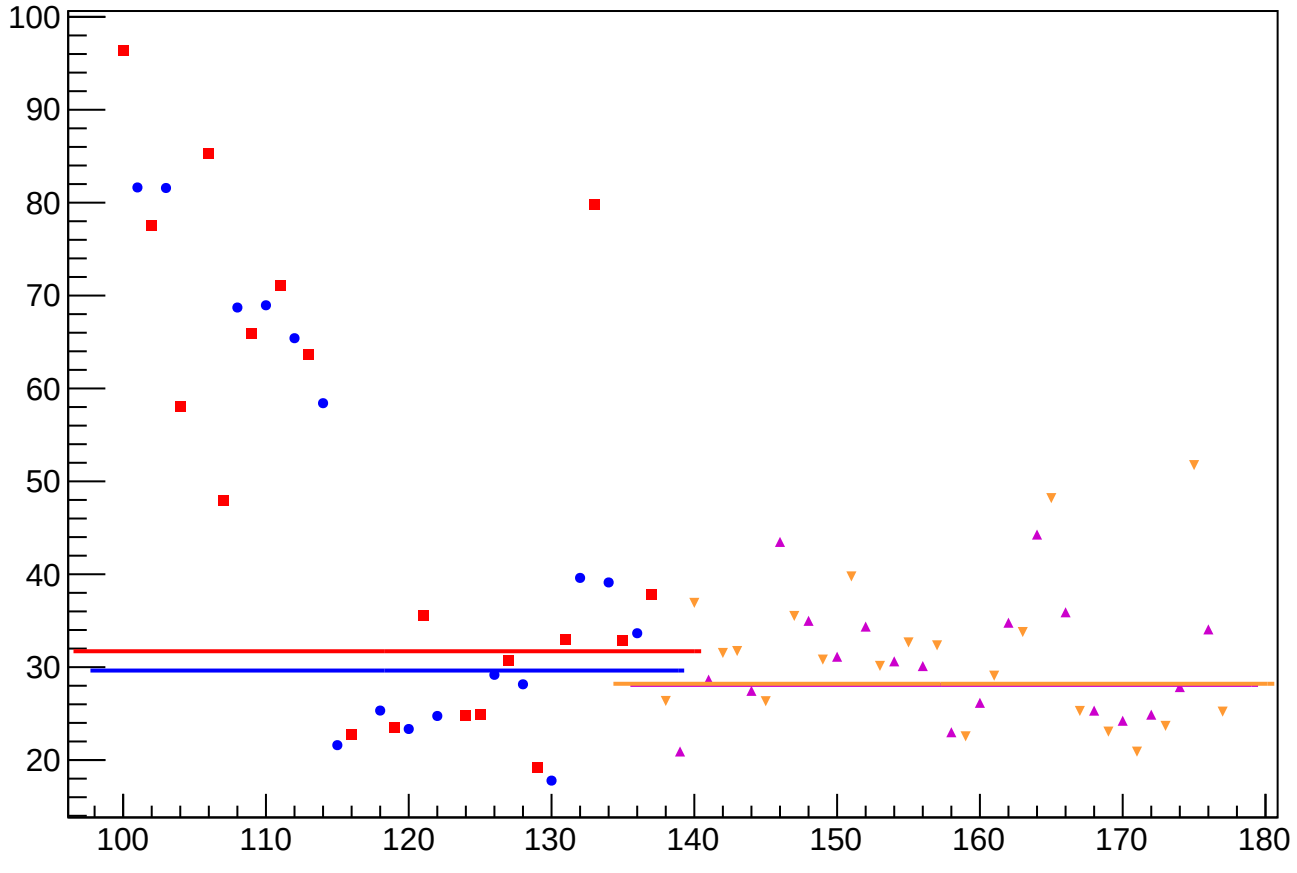
Left: 0.004+/-0.005 χ^2/NDF: 58.1/39

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.005+/-0.006 χ^2/NDF:38.4/34

Out: 0.002+/-0.006 χ^2/NDF:46.3/39

All: 0.003+/-0.005 χ^2/NDF: 84.8/74



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 28.211+/-0.005 χ^2/NDF:1418060.8/20

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.090+/-0.005 χ^2/NDF:1001988.7/18

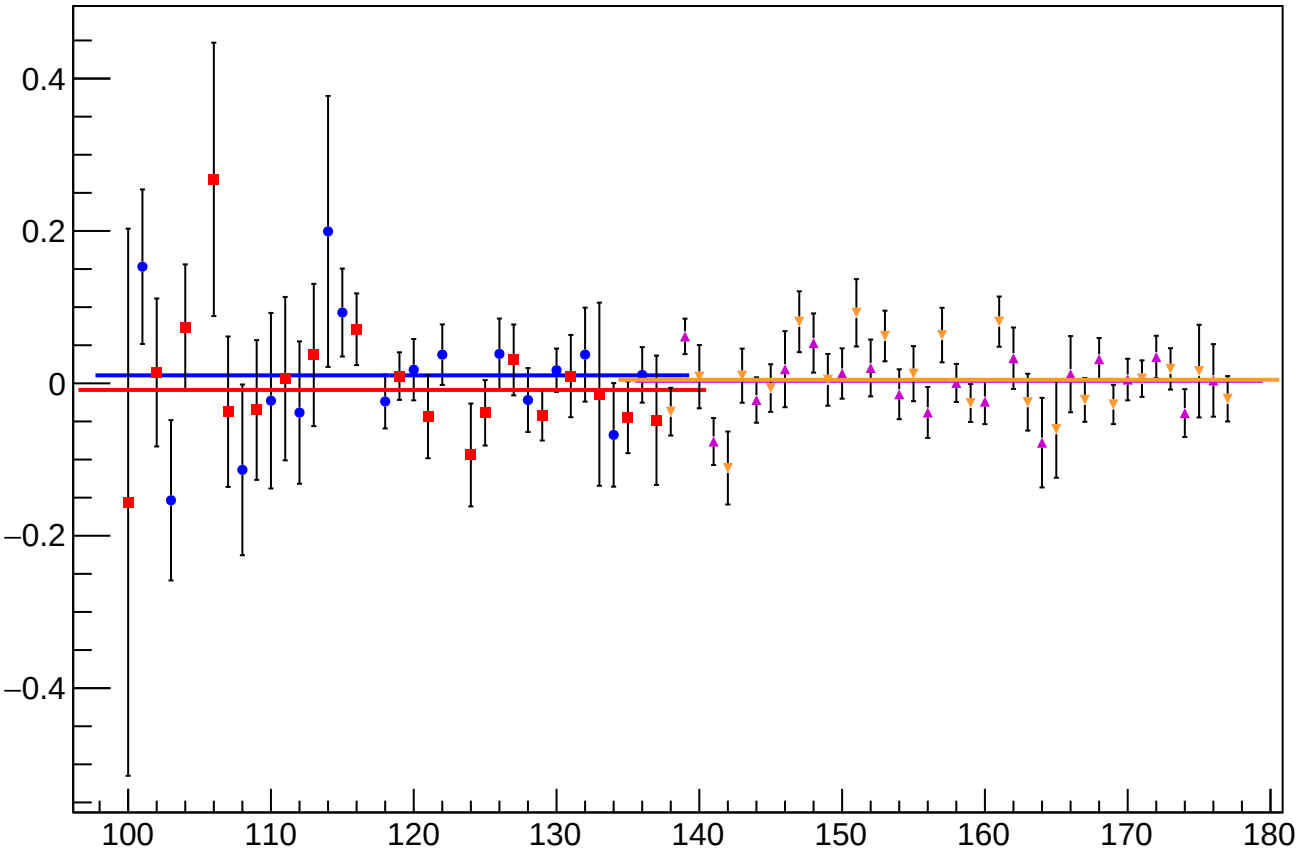
Left: 28.152+/-0.004 χ^2/NDF: 2420322.3/39

Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 28.493+/-0.005 χ^2/NDF:3472829.1/34

Out: 29.019+/-0.004 χ^2/NDF:4177100.9/39

All: 28.758+/-0.003 χ^2/NDF: 7656713.8/74



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:33.1/20

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.003+/-0.007 χ^2/NDF:25.0/18

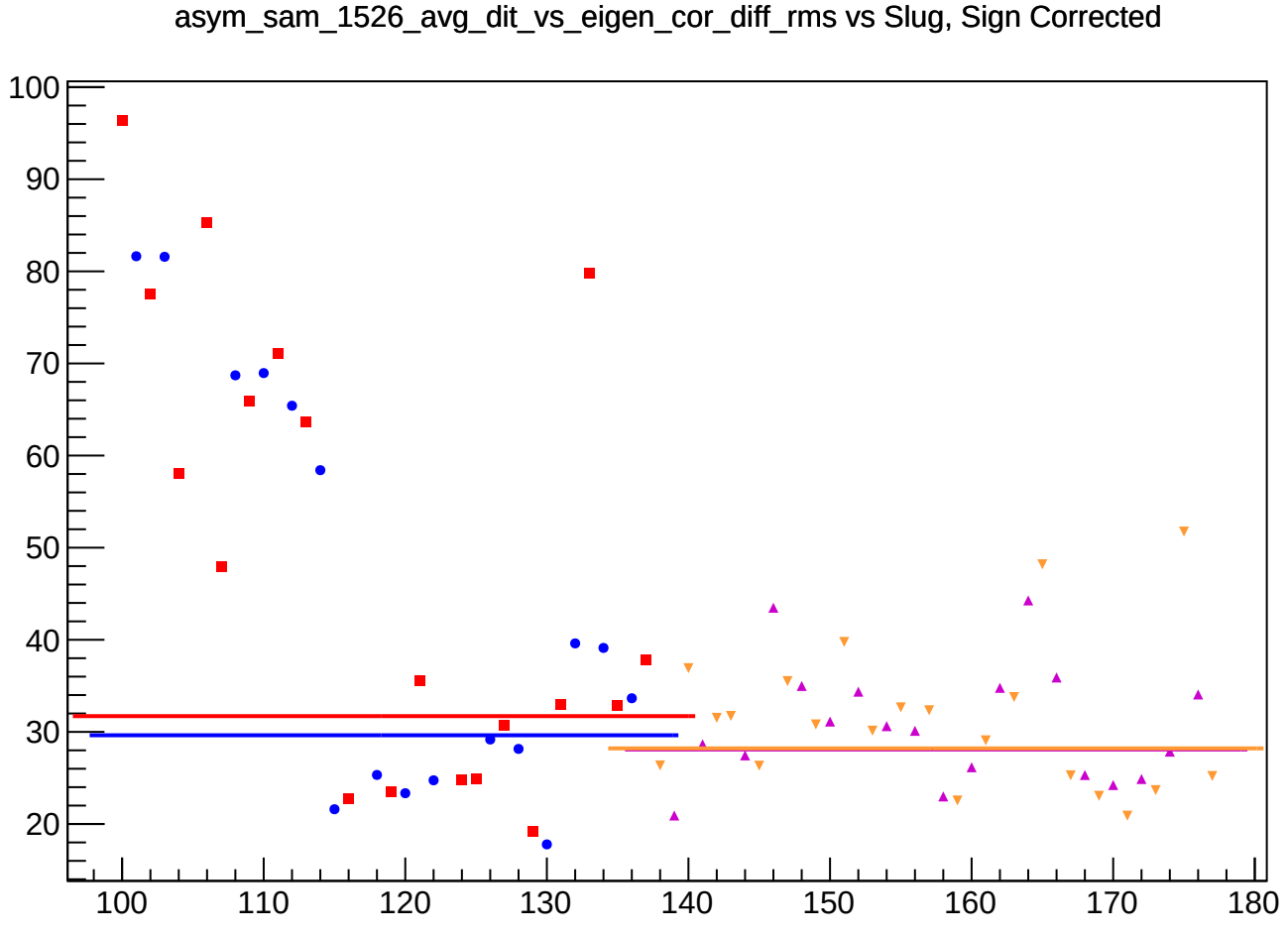
Left: 0.004+/-0.005 χ^2/NDF: 58.1/39

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.005+/-0.006 χ^2/NDF:38.4/34

Out: 0.002+/-0.006 χ^2/NDF:46.3/39

All: 0.003+/-0.005 χ^2/NDF: 84.8/74



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 28.211+/-0.005 χ^2/NDF:1418060.8/20

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 28.090+/-0.005 χ^2/NDF:1001988.7/18

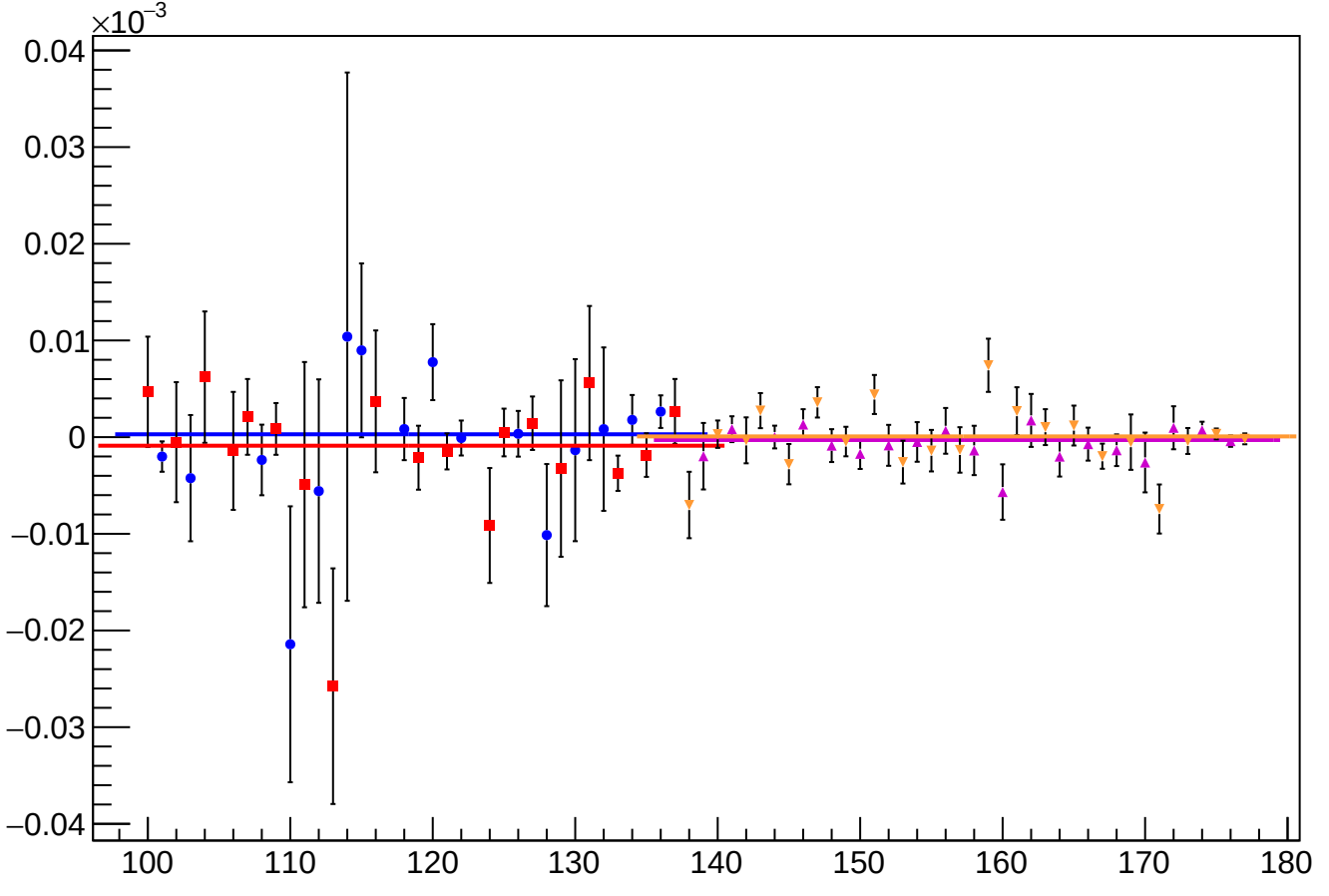
Left: 28.152+/-0.004 χ^2/NDF: 2420322.3/39

Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 28.493+/-0.005 χ^2/NDF:3472829.1/34

Out: 29.019+/-0.004 χ^2/NDF:4177100.9/39

All: 28.758+/-0.003 χ^2/NDF: 7656713.8/74



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.1/20

Right Out: -0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: -0.000+/-0.000 χ^2/NDF:10.8/18

Left: -0.000+/-0.000 χ^2/NDF: 52.6/39

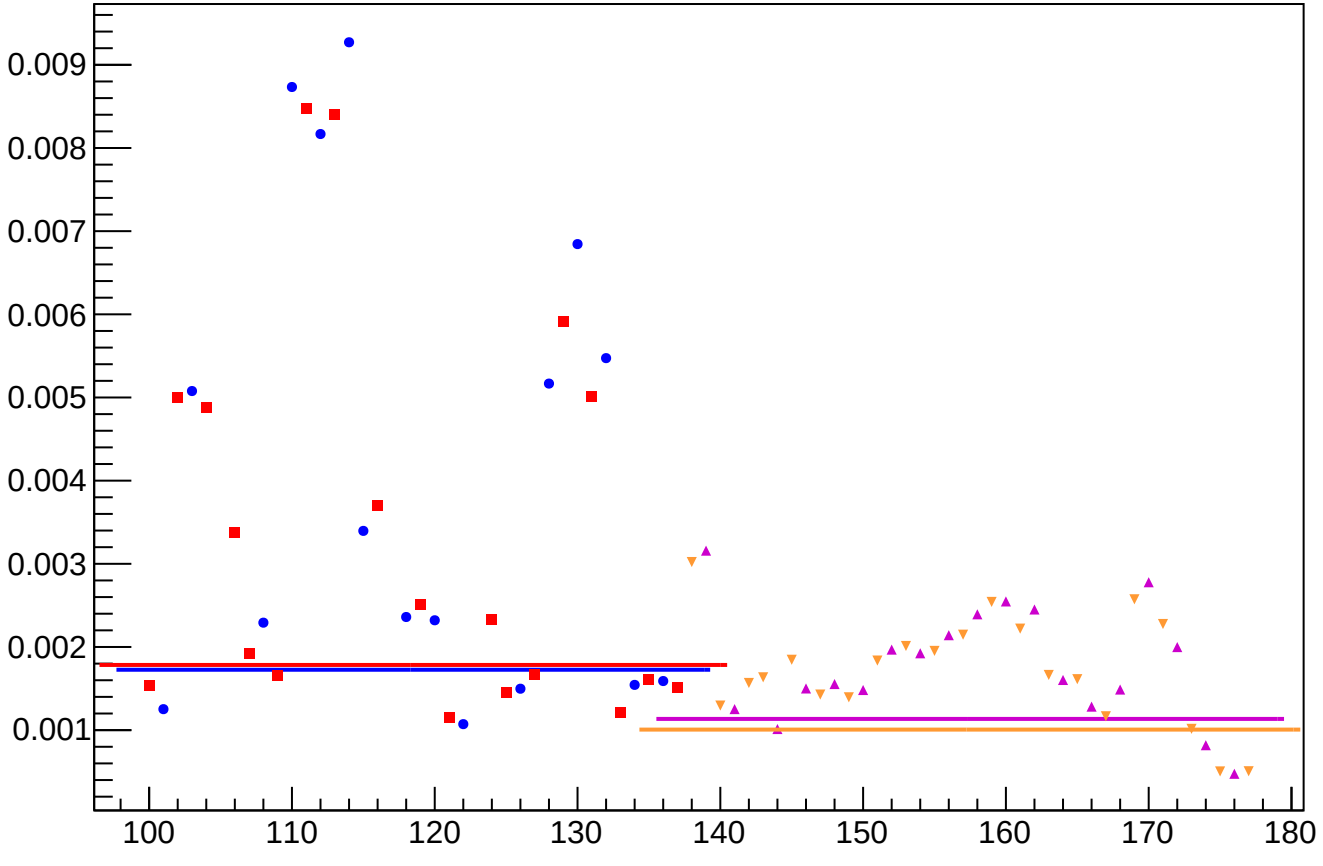
Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:26.1/34

Out: -0.000+/-0.000 χ^2/NDF:57.8/39

All: -0.000+/-0.000 χ^2/NDF: 84.0/74

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3932244.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:9180839.5/20

Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.001+/-0.000 χ^2/NDF:7318818.3/18

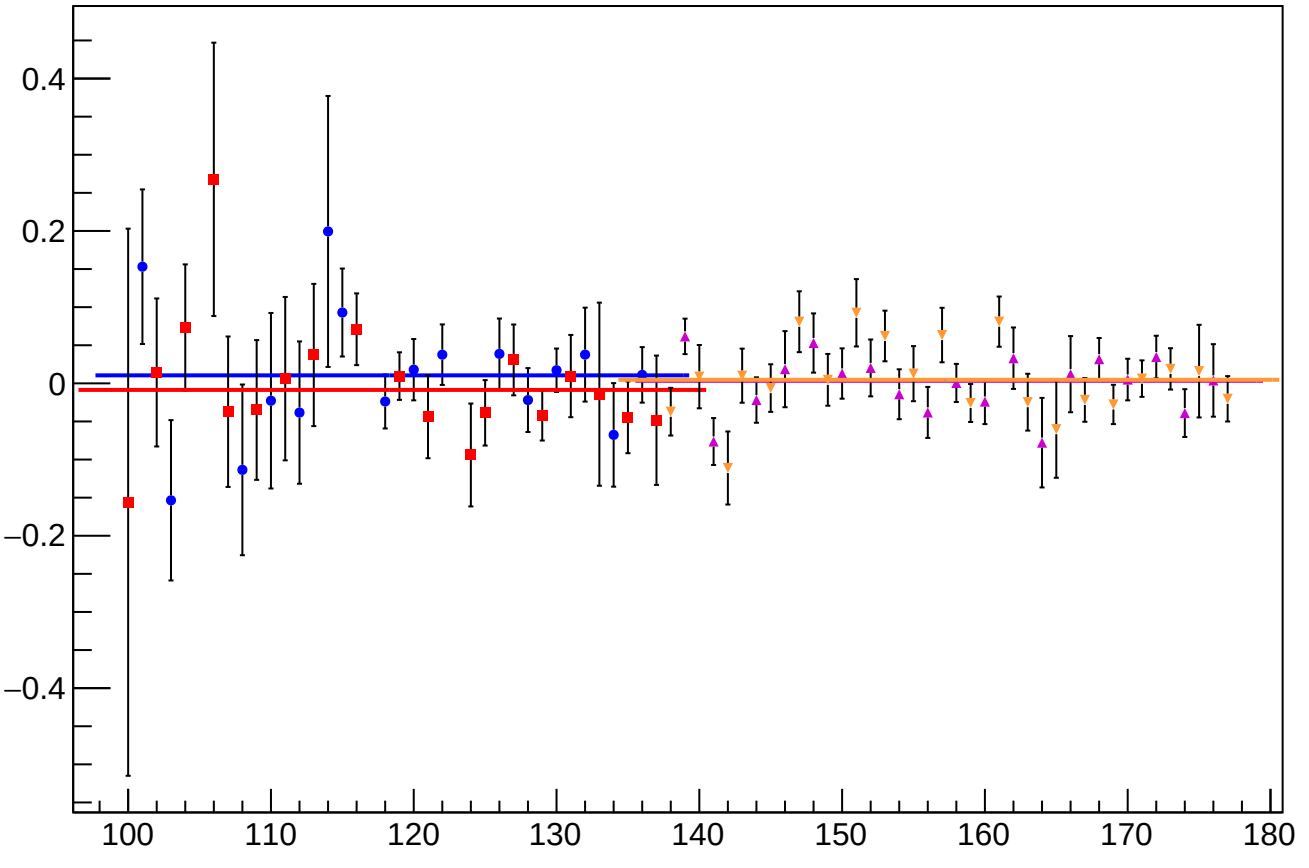
Left: 0.001+/-0.000 χ^2/NDF: 16666567.6/39

Right: 0.002+/-0.000 χ^2/NDF: 7656643.6/34

In: 0.001+/-0.000 χ^2/NDF:12261784.1/34

Out: 0.001+/-0.000 χ^2/NDF:14653924.9/39

All: 0.001+/-0.000 χ^2/NDF: 27103138.3/74



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:33.1/20

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.003+/-0.007 χ^2/NDF:25.0/18

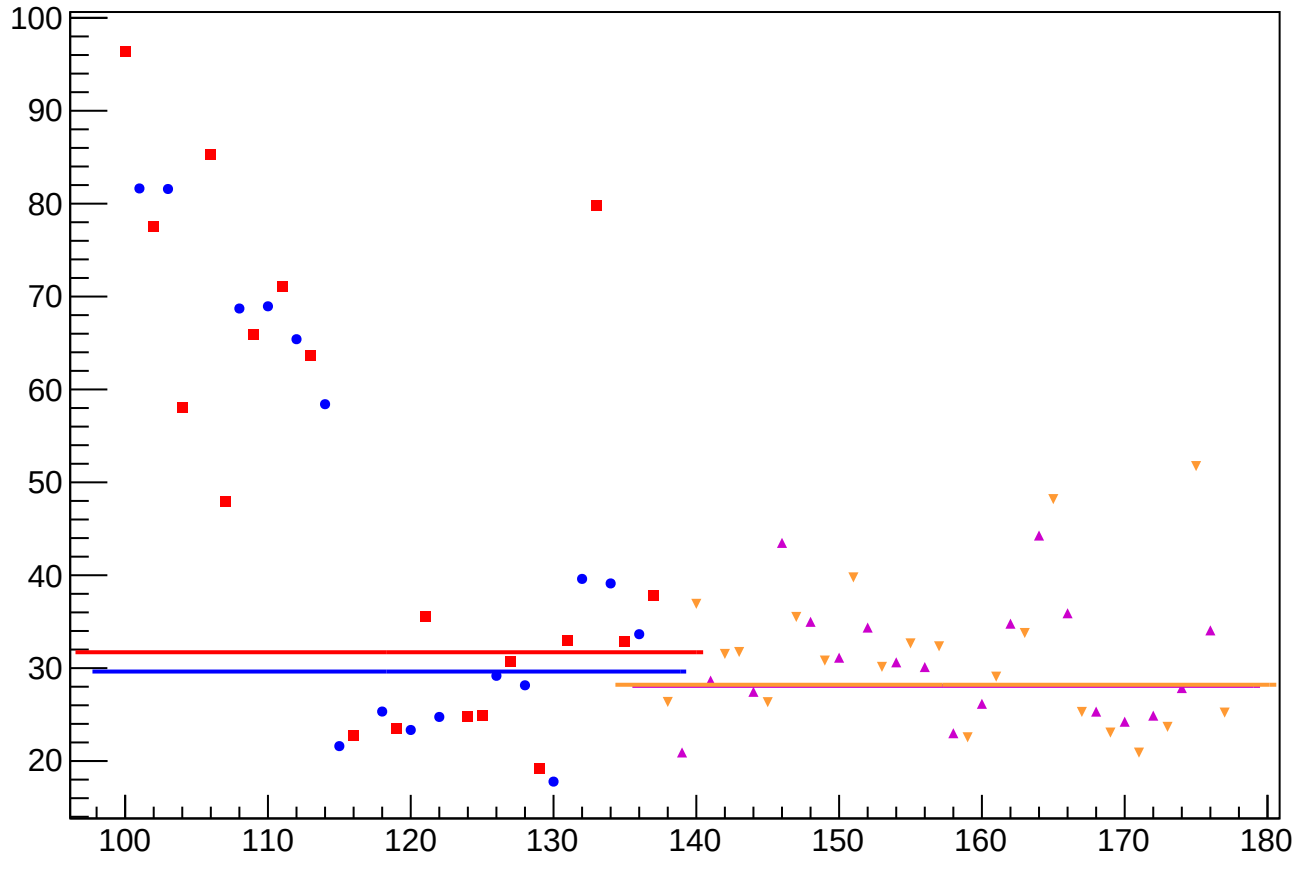
Left: 0.004+/-0.005 χ^2/NDF: 58.1/39

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.005+/-0.006 χ^2/NDF:38.4/34

Out: 0.002+/-0.006 χ^2/NDF:46.3/39

All: 0.003+/-0.005 χ^2/NDF: 84.8/74



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 28.211+/-0.005 χ^2/NDF:1418099.6/20

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.090+/-0.005 χ^2/NDF:1001991.1/18

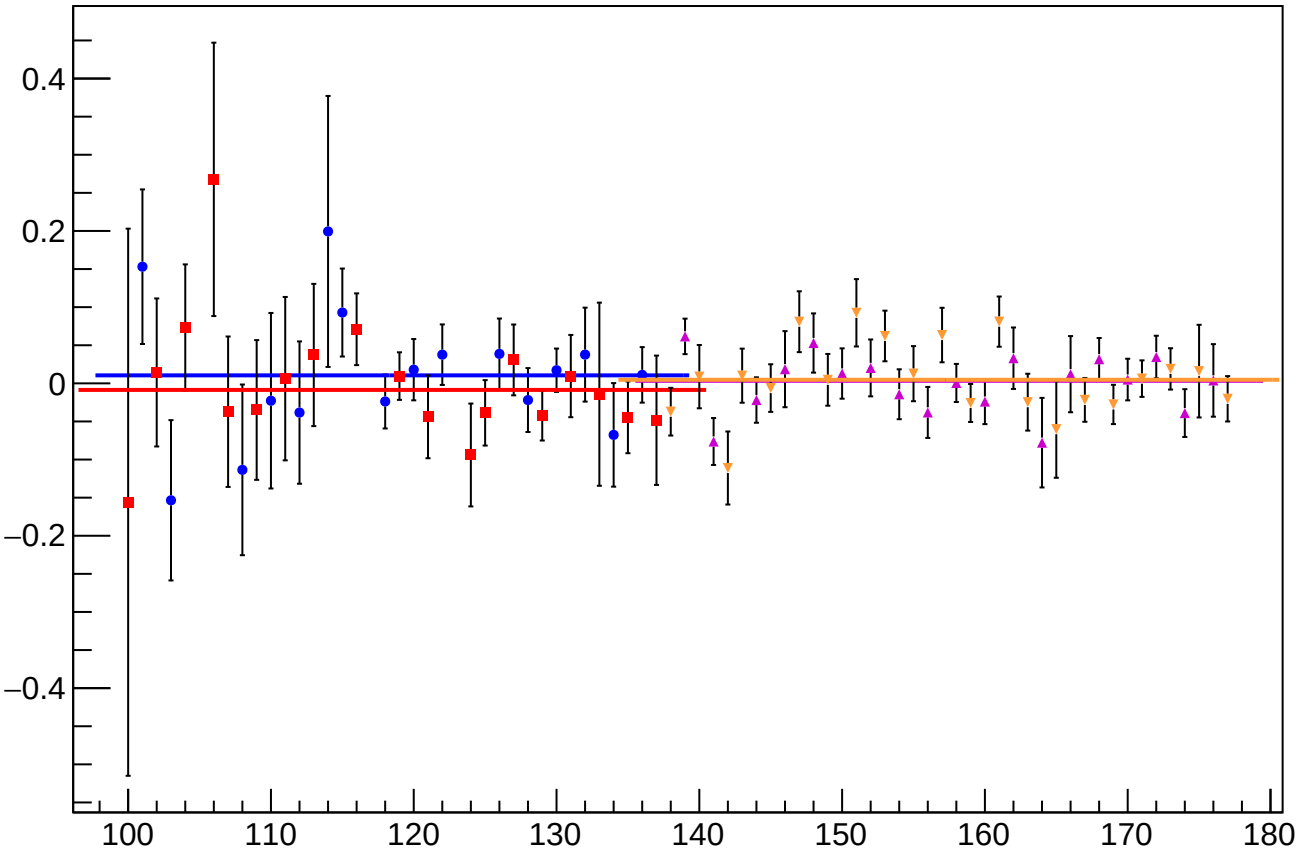
Left: 28.152+/-0.004 χ^2/NDF: 2420362.4/39

Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

In: 28.493+/-0.005 χ^2/NDF:3472987.7/34

Out: 29.019+/-0.004 χ^2/NDF:4177224.6/39

All: 28.758+/-0.003 χ^2/NDF: 7656993.4/74



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:33.1/20

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.003+/-0.007 χ^2/NDF:25.0/18

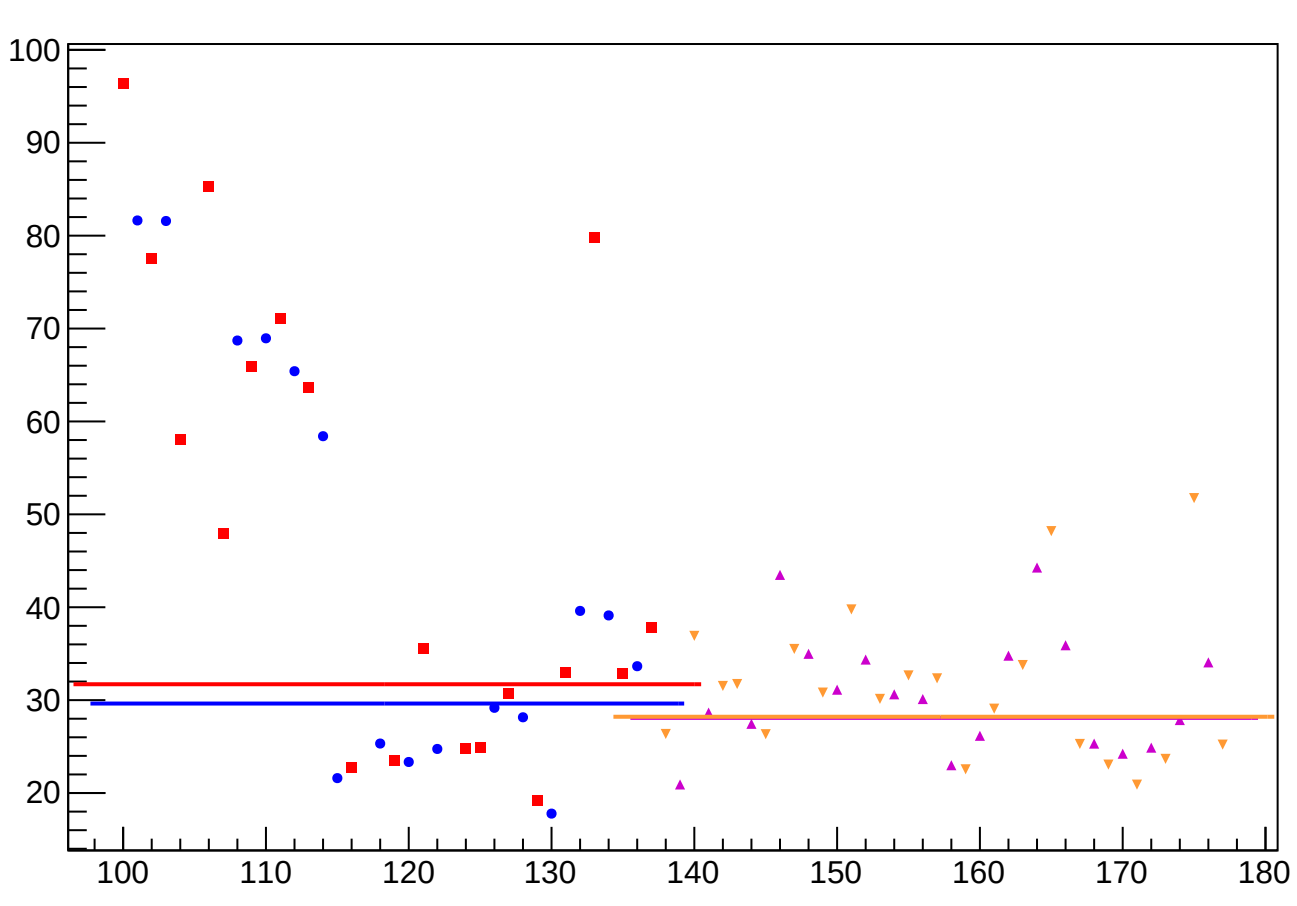
Left: 0.004+/-0.005 χ^2/NDF: 58.1/39

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.005+/-0.006 χ^2/NDF:38.4/34

Out: 0.002+/-0.006 χ^2/NDF:46.3/39

All: 0.003+/-0.005 χ^2/NDF: 84.8/74



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 28.211+/-0.005 χ^2/NDF:1418099.6/20

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.090+/-0.005 χ^2/NDF:1001991.1/18

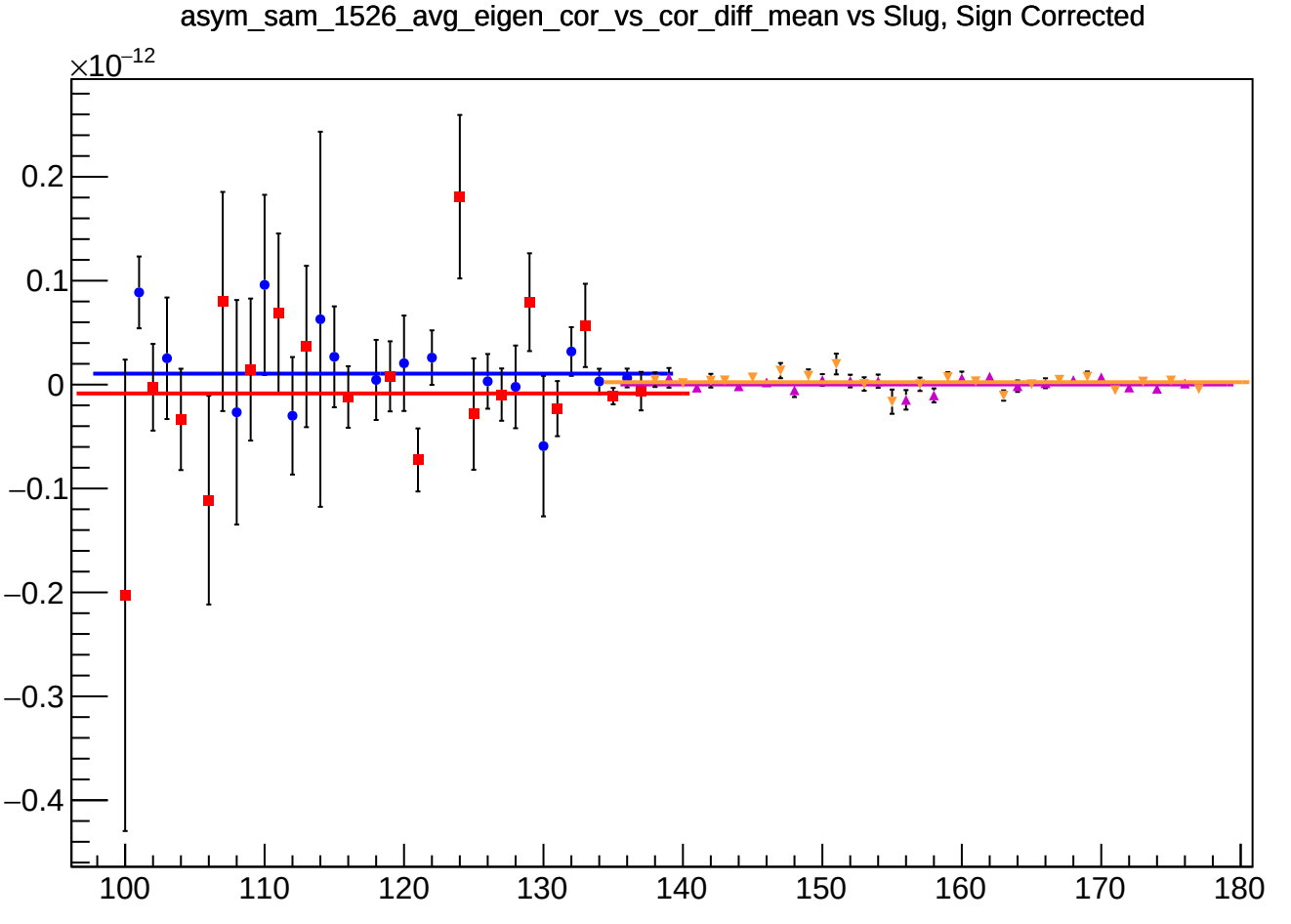
Left: 28.152+/-0.004 χ^2/NDF: 2420362.4/39

Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

In: 28.493+/-0.005 χ^2/NDF:3472987.7/34

Out: 29.019+/-0.004 χ^2/NDF:4177224.6/39

All: 28.758+/-0.003 χ^2/NDF: 7656993.4/74



Right In: 0.000+/-0.000 χ^2/NDF: 10.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.4/20

Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: 0.000+/-0.000 χ^2/NDF:17.4/18

Left: 0.000+/-0.000 χ^2/NDF: 45.8/39

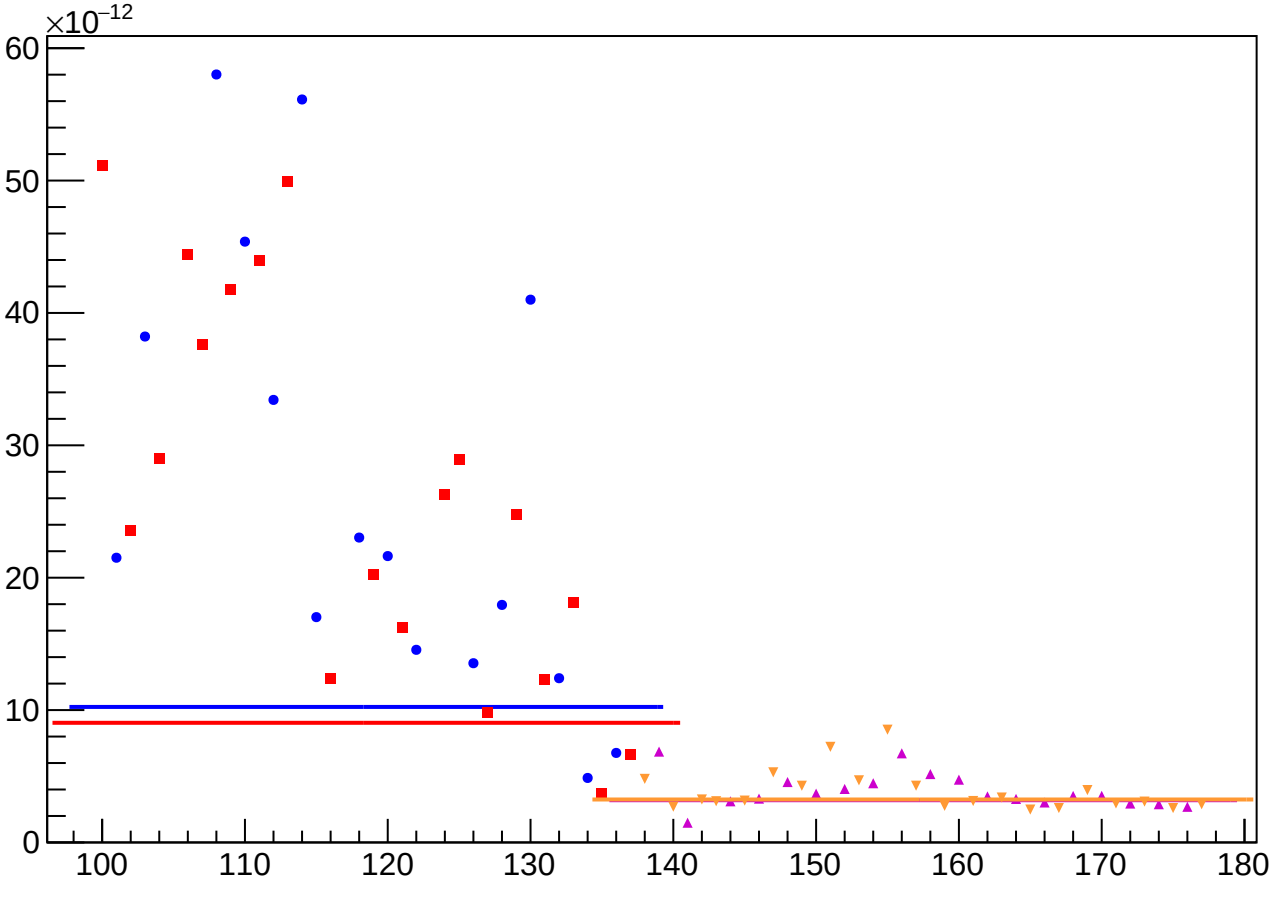
Right: 0.000+/-0.000 χ^2/NDF: 36.6/34

In: 0.000+/-0.000 χ^2/NDF:30.3/34

Out: 0.000+/-0.000 χ^2/NDF:51.0/39

All: 0.000+/-0.000 χ^2/NDF: 82.4/74

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3511693.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1524722.1/20

Right Out: 0.000+/-0.000 χ^2/NDF: 4514368.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1975562.9/18

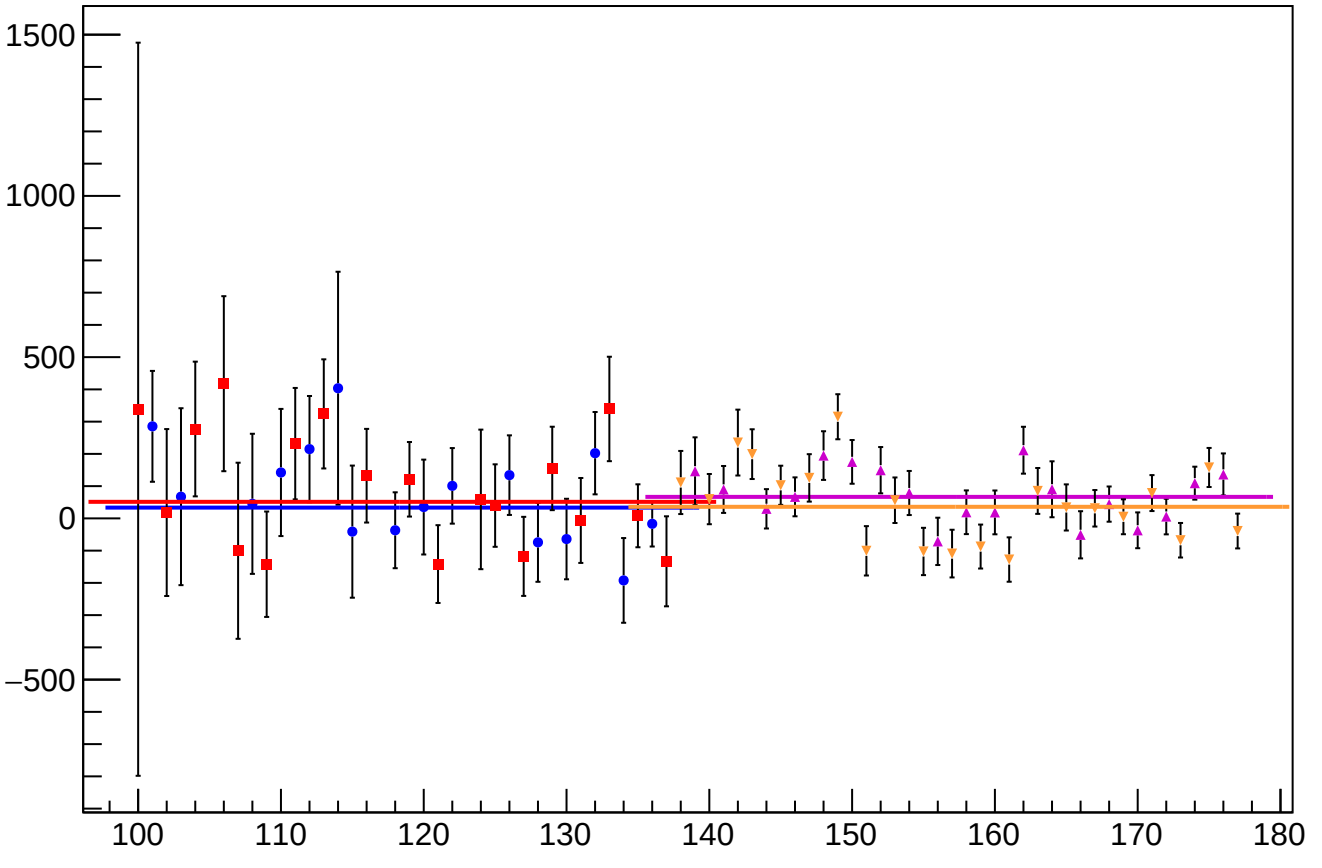
Left: 0.000+/-0.000 χ^2/NDF: 3502861.3/39

Right: 0.000+/-0.000 χ^2/NDF: 8066534.1/34

In: 0.000+/-0.000 χ^2/NDF:8160932.3/34

Out: 0.000+/-0.000 χ^2/NDF:7893286.5/39

All: 0.000+/-0.000 χ^2/NDF: 16054295.6/74



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 35.904+/-14.596 χ^2/NDF:58.4/20

Right Out: 51.335+/-34.851 χ^2/NDF: 19.6/18

Left In: 66.695+/-15.146 χ^2/NDF:25.7/18

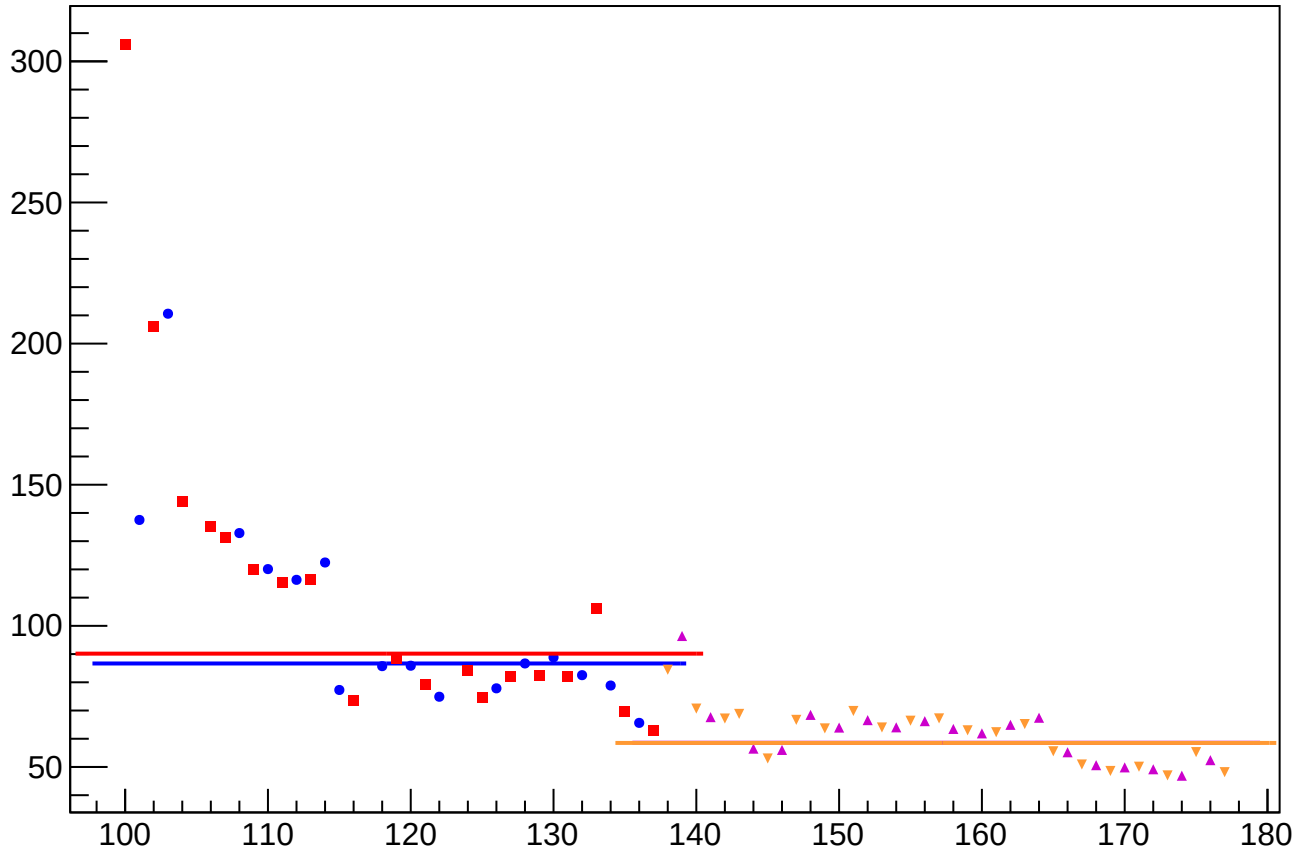
Left: 50.730+/-10.510 χ^2/NDF: 86.2/39

Right: 42.130+/-24.293 χ^2/NDF: 32.5/34

In: 61.154+/-13.827 χ^2/NDF:39.3/34

Out: 38.207+/-13.463 χ^2/NDF:78.1/39

All: 49.374+/-9.646 χ^2/NDF: 118.8/74



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 58.516+/-0.010 χ^2/NDF:754537.9/20

Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 58.577+/-0.011 χ^2/NDF:730167.4/18

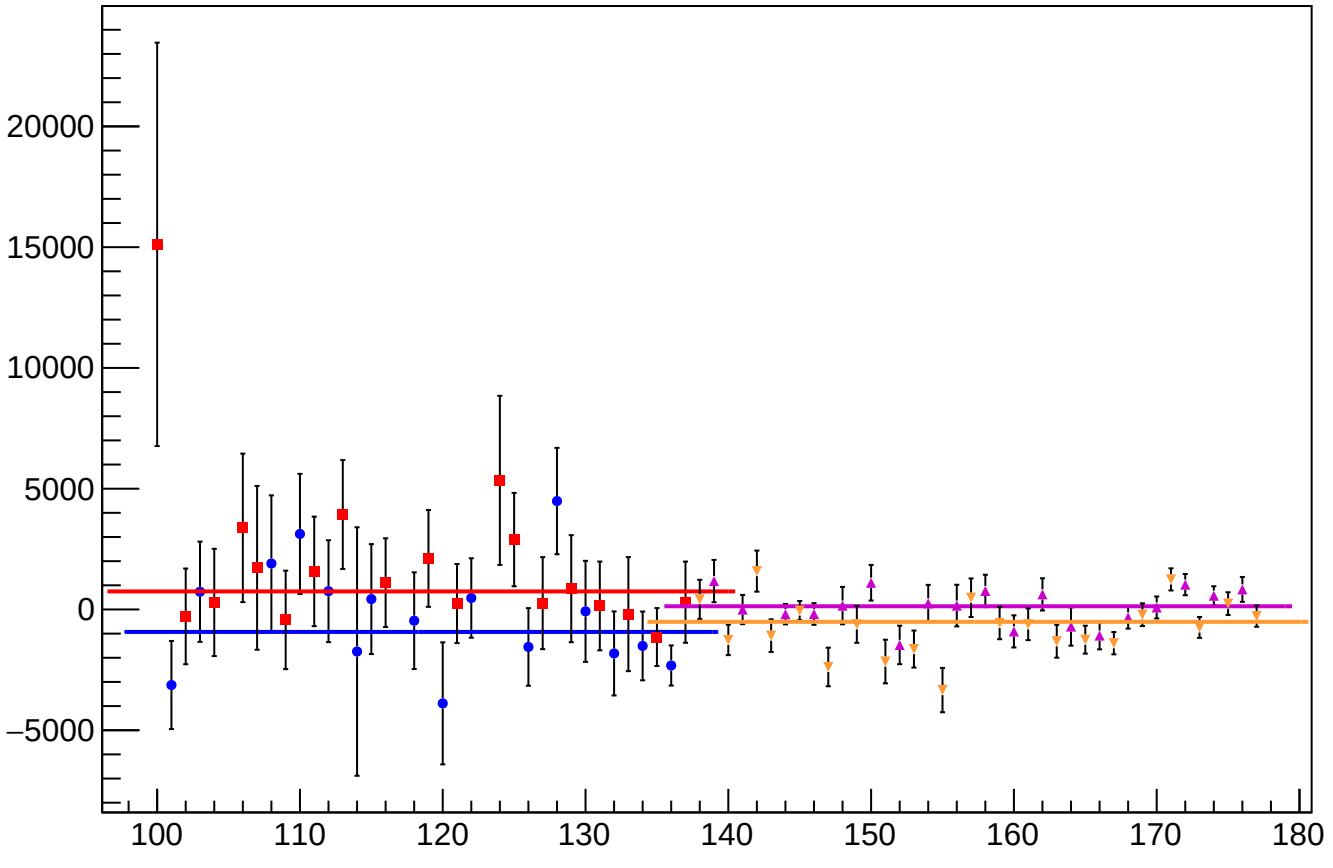
Left: 58.545+/-0.007 χ^2/NDF: 1484722.0/39

Right: 88.360+/-0.017 χ^2/NDF: 2199082.5/34

In: 63.256+/-0.010 χ^2/NDF:2914689.6/34

Out: 63.237+/-0.010 χ^2/NDF:3306676.4/39

All: 63.246+/-0.007 χ^2/NDF: 6221367.8/74



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -511.683+/-127.403 χ^2/NDF:57.9/20

Right Out: 747.199+/-467.902 χ^2/NDF: 13.0/18

Left In: 132.461+/-130.100 χ^2/NDF:26.2/18

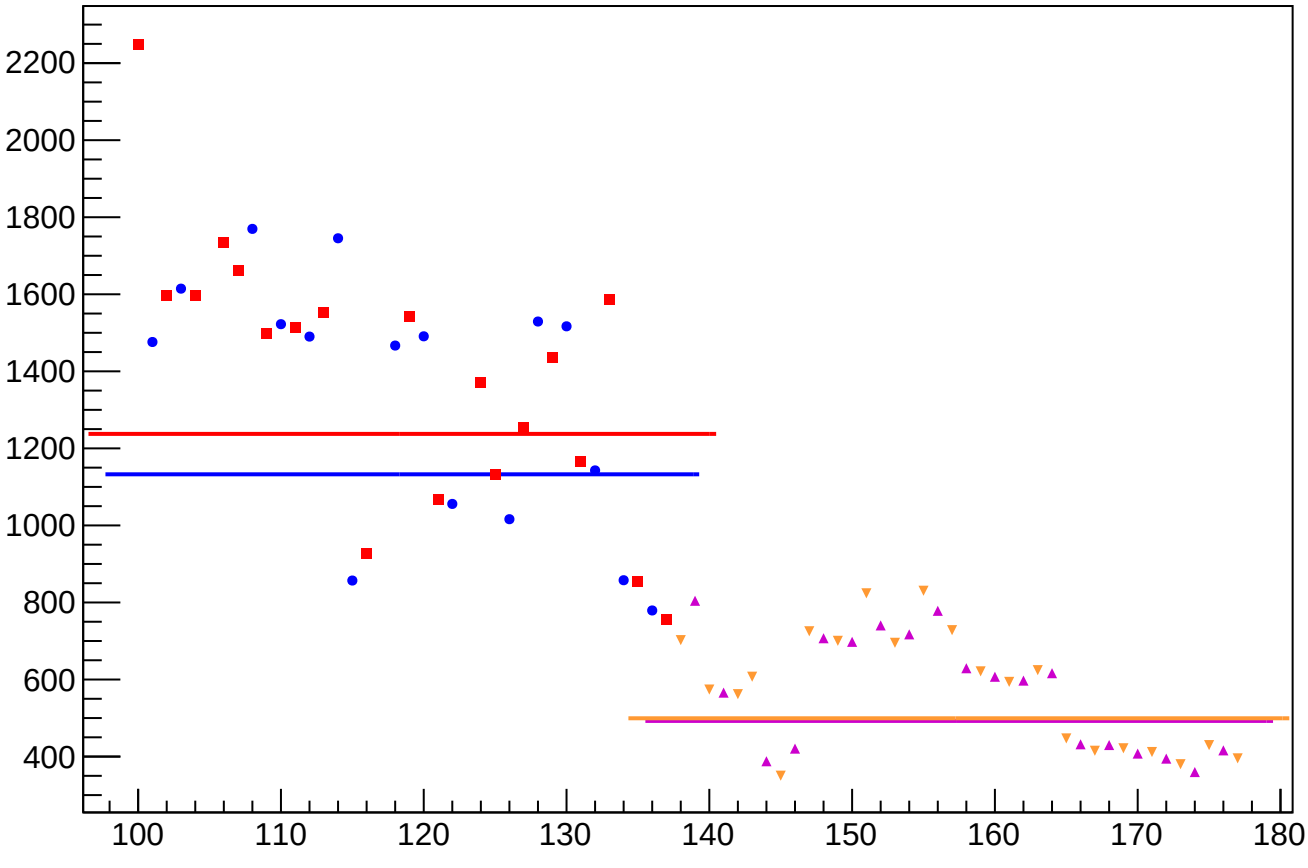
Left: -196.359+/-91.026 χ^2/NDF: 96.6/39

Right: -141.108+/-320.882 χ^2/NDF: 38.3/34

In: 47.372+/-124.781 χ^2/NDF:50.0/34

Out: -424.793+/-122.927 χ^2/NDF:77.7/39

All: -192.244+/-87.571 χ^2/NDF: 134.9/74



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 499.387+/-0.090 χ^2/NDF:2302166.1/20

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

Left In: 492.566+/-0.092 χ^2/NDF:2092428.5/18

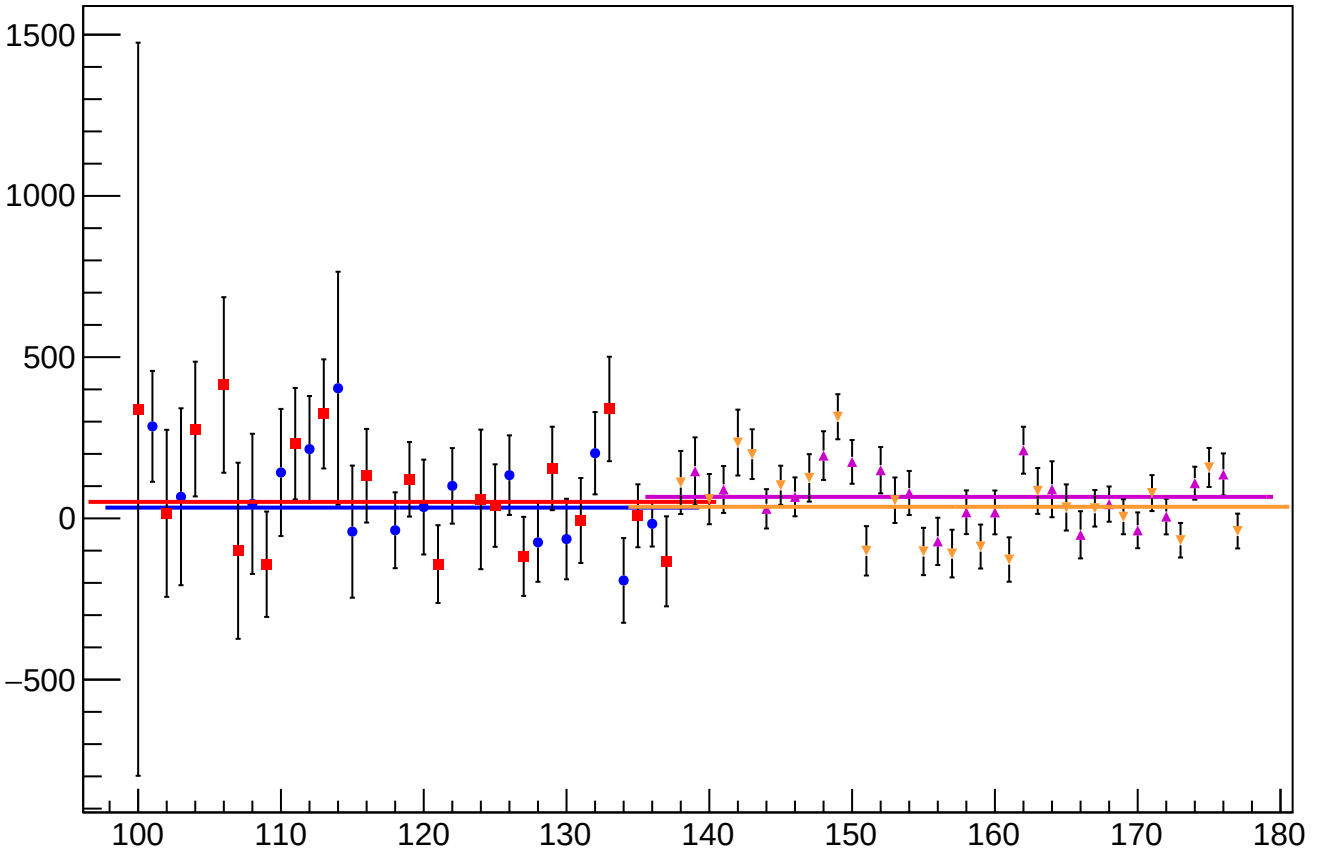
Left: 496.048+/-0.064 χ^2/NDF: 4397400.7/39

Right: 1182.025+/-0.227 χ^2/NDF: 2072715.6/34

In: 543.840+/-0.088 χ^2/NDF:7094770.3/34

Out: 550.339+/-0.087 χ^2/NDF:7832075.6/39

All: 547.138+/-0.062 χ^2/NDF: 14929599.3/74



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 35.905+/-14.596 χ^2/NDF:58.4/20

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 66.693+/-15.146 χ^2/NDF:25.7/18

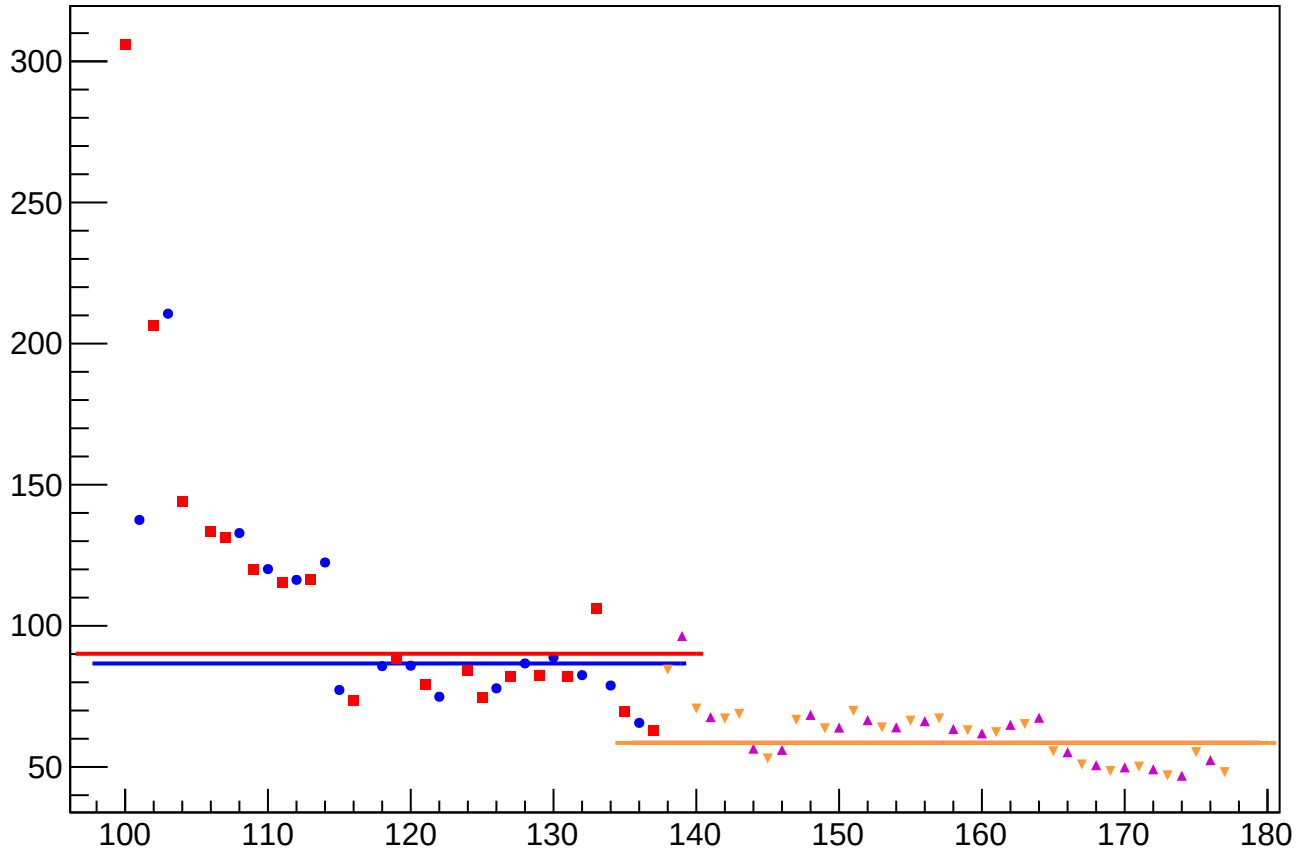
Left: 50.730+/-10.510 χ^2/NDF: 86.2/39

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 61.152+/-13.827 χ^2/NDF:39.3/34

Out: 38.185+/-13.463 χ^2/NDF:78.1/39

All: 49.362+/-9.646 χ^2/NDF: 118.8/74



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 58.516+/-0.010 χ^2/NDF:754537.8/20

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 58.577+/-0.011 χ^2/NDF:730167.4/18

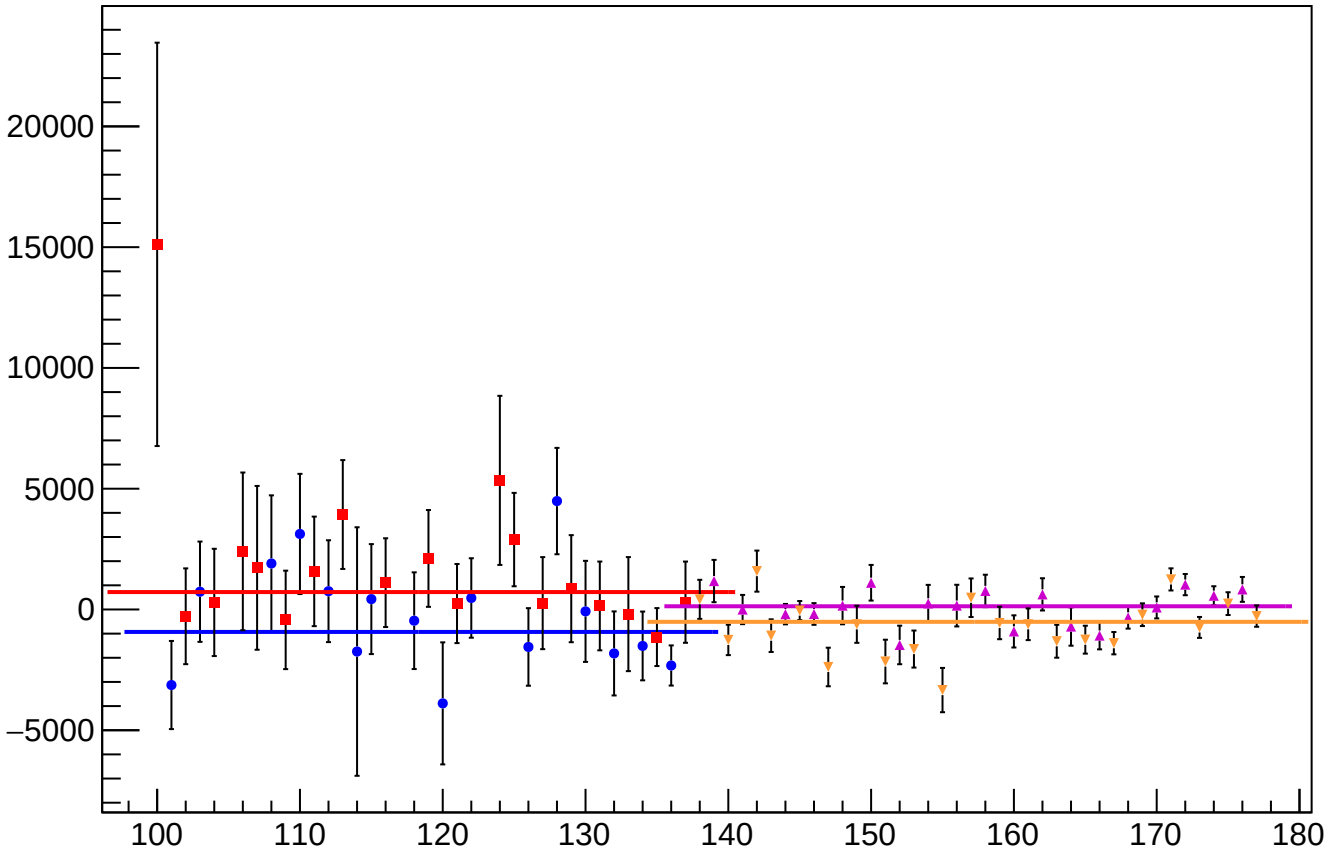
Left: 58.545+/-0.007 χ^2/NDF: 1484722.0/39

Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 63.256+/-0.010 χ^2/NDF:2914691.9/34

Out: 63.231+/-0.010 χ^2/NDF:3298551.9/39

All: 63.243+/-0.007 χ^2/NDF: 6213247.0/74



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -511.680+/-127.403 χ^2/NDF:57.9/20

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 132.459+/-130.100 χ^2/NDF:26.2/18

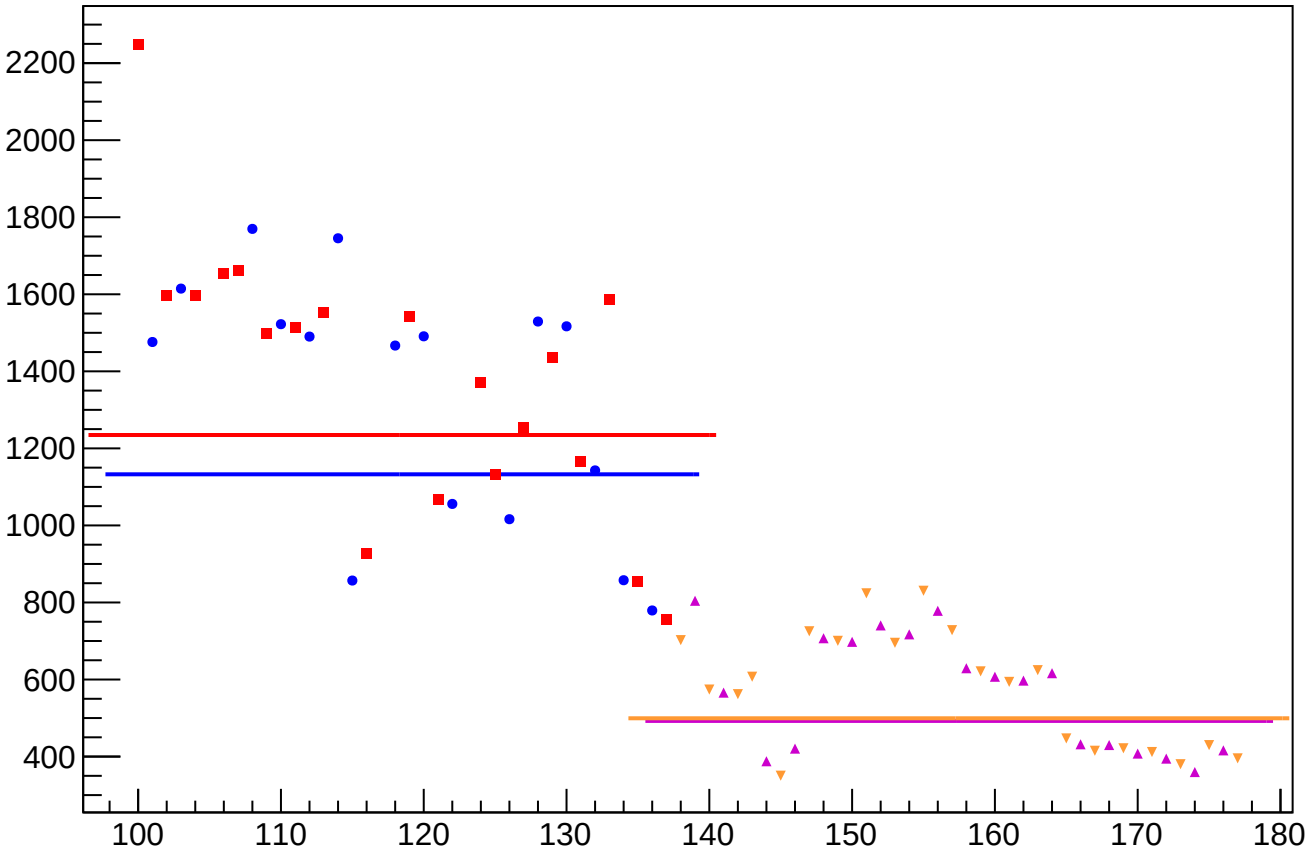
Left: -196.358+/-91.026 χ^2/NDF: 96.6/39

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: 47.374+/-124.781 χ^2/NDF:50.0/34

Out: -426.841+/-122.939 χ^2/NDF:76.9/39

All: -193.260+/-87.575 χ^2/NDF: 134.2/74



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 499.387+/-0.090 χ^2/NDF:2302171.3/20

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 492.566+/-0.092 χ^2/NDF:2092430.5/18

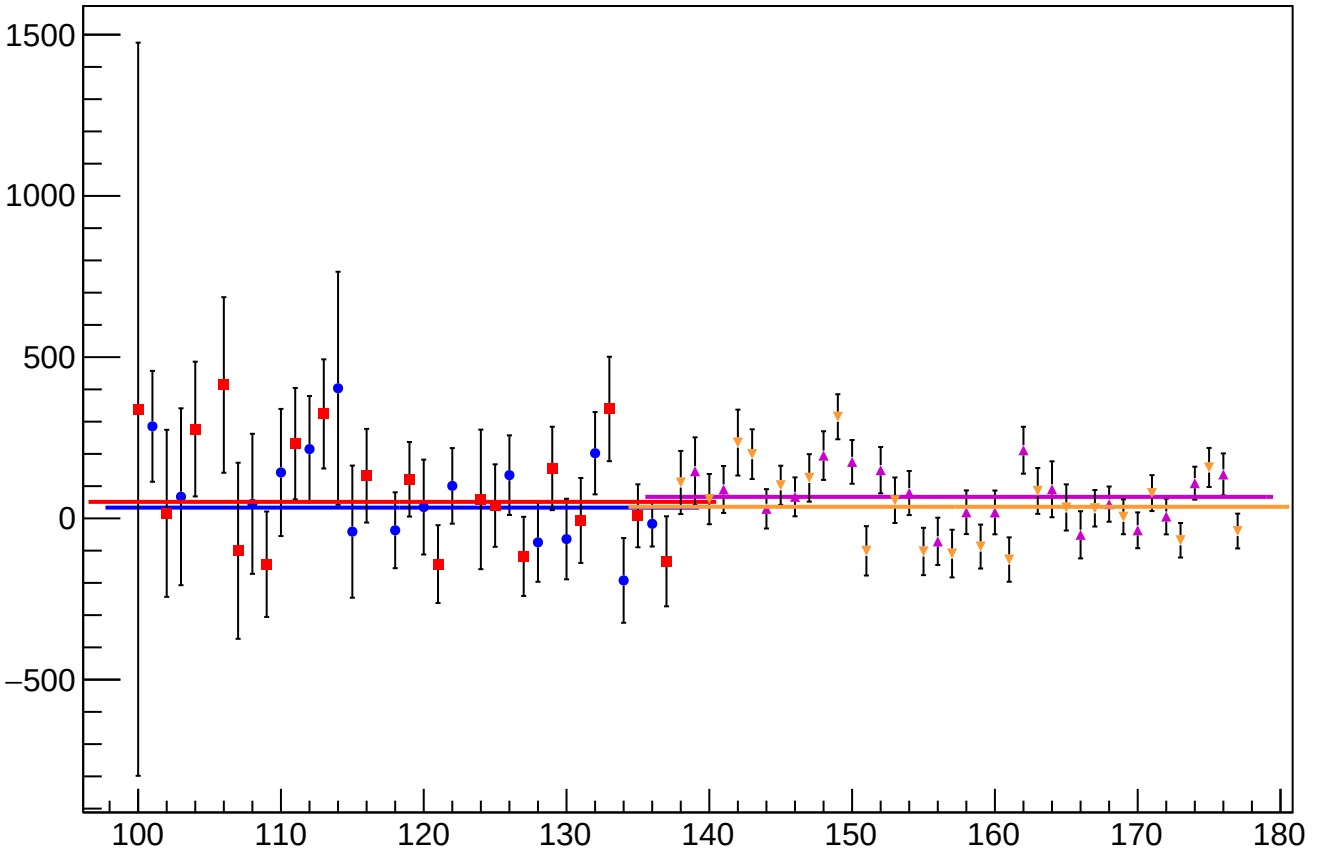
Left: 496.048+/-0.064 χ^2/NDF: 4397407.6/39

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 543.840+/-0.088 χ^2/NDF:7094804.6/34

Out: 550.011+/-0.087 χ^2/NDF:7765277.7/39

All: 546.972+/-0.062 χ^2/NDF: 14862564.8/74



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 35.905+/-14.596 χ^2/NDF:58.4/20

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 66.693+/-15.146 χ^2/NDF:25.7/18

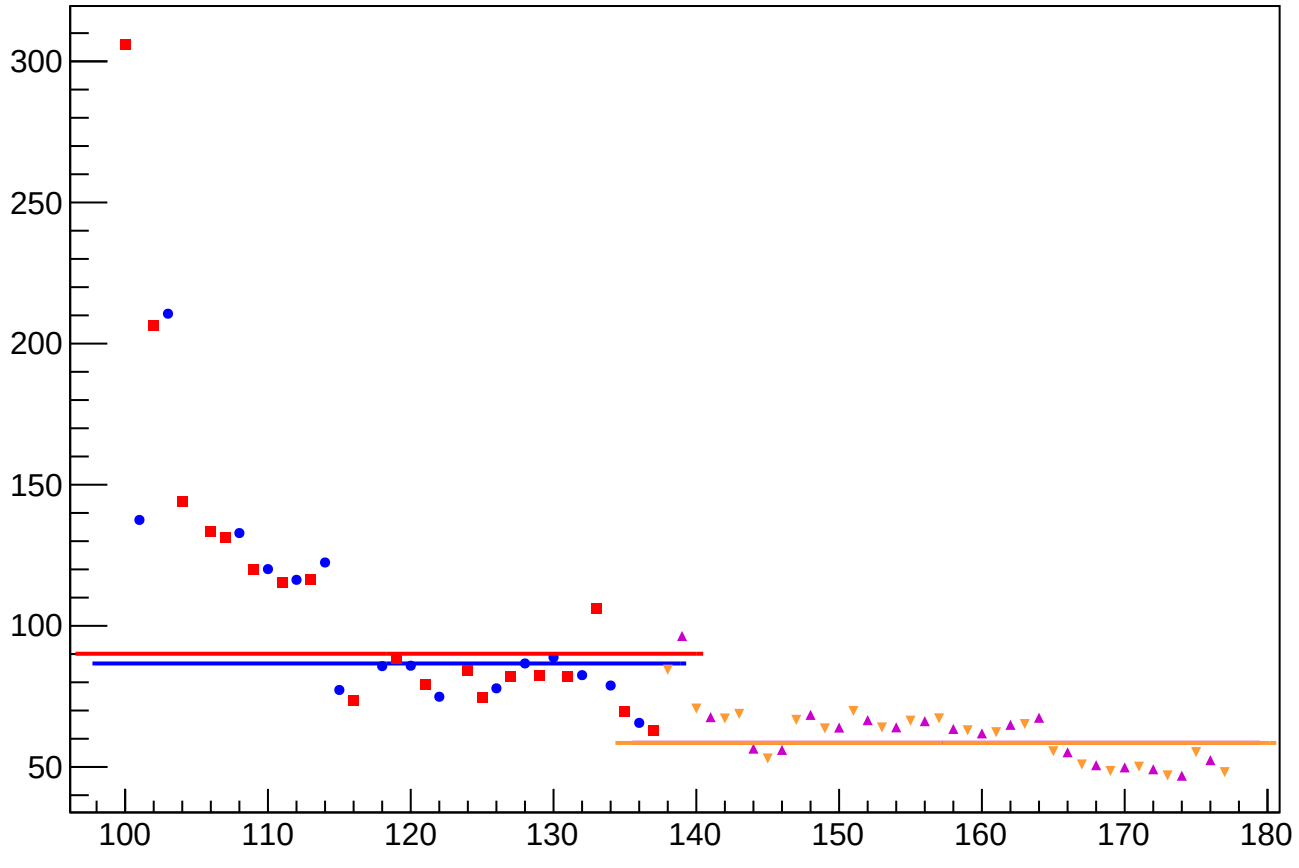
Left: 50.730+/-10.510 χ^2/NDF: 86.2/39

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 61.152+/-13.827 χ^2/NDF:39.3/34

Out: 38.185+/-13.463 χ^2/NDF:78.1/39

All: 49.362+/-9.646 χ^2/NDF: 118.8/74



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 58.516+/-0.010 χ^2/NDF:754537.8/20

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 58.577+/-0.011 χ^2/NDF:730167.4/18

Left: 58.545+/-0.007 χ^2/NDF: 1484722.0/39

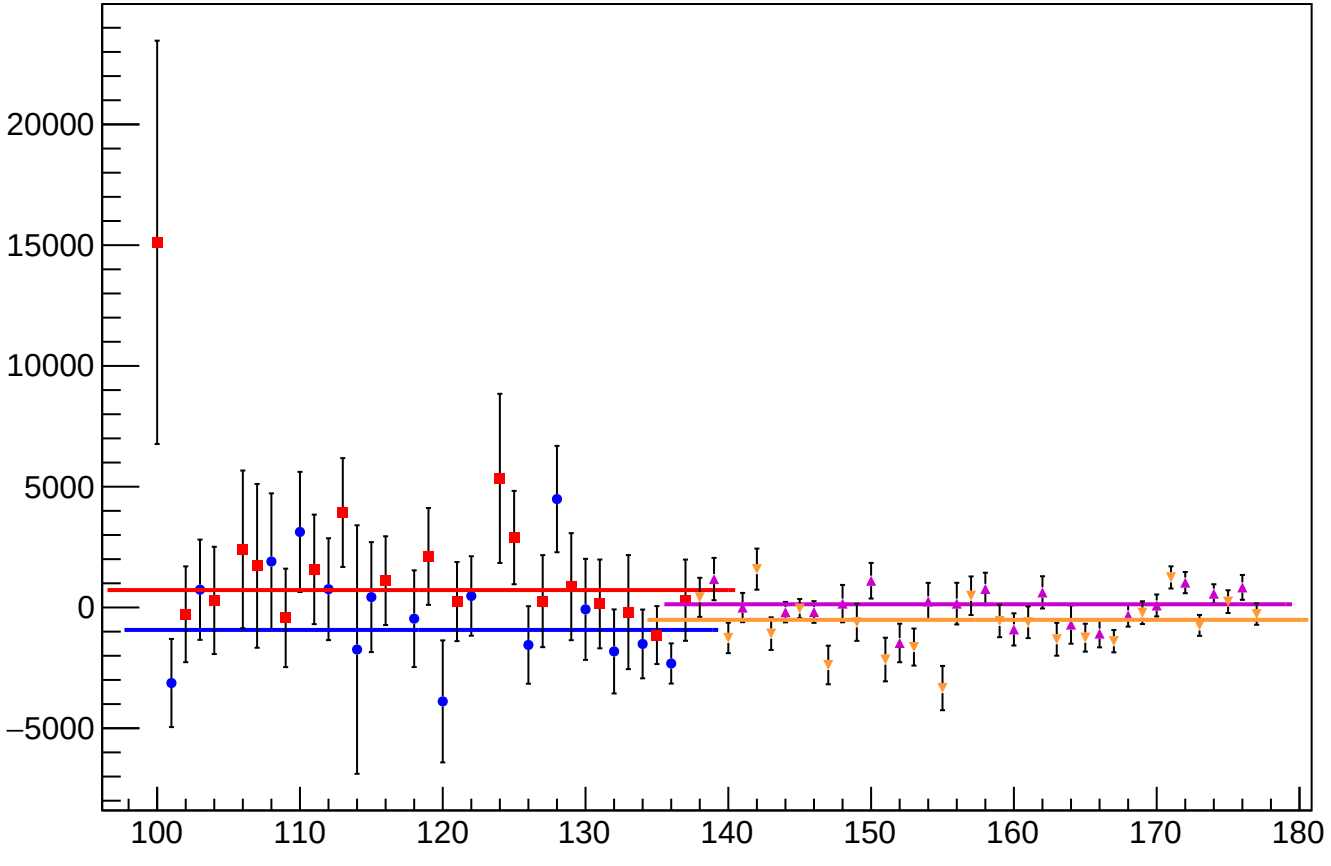
Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 63.256+/-0.010 χ^2/NDF:2914691.9/34

Out: 63.231+/-0.010 χ^2/NDF:3298551.9/39

All: 63.243+/-0.007 χ^2/NDF: 6213247.0/74

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: -511.680+/-127.403 χ^2/NDF:57.9/20

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 132.459+/-130.100 χ^2/NDF:26.2/18

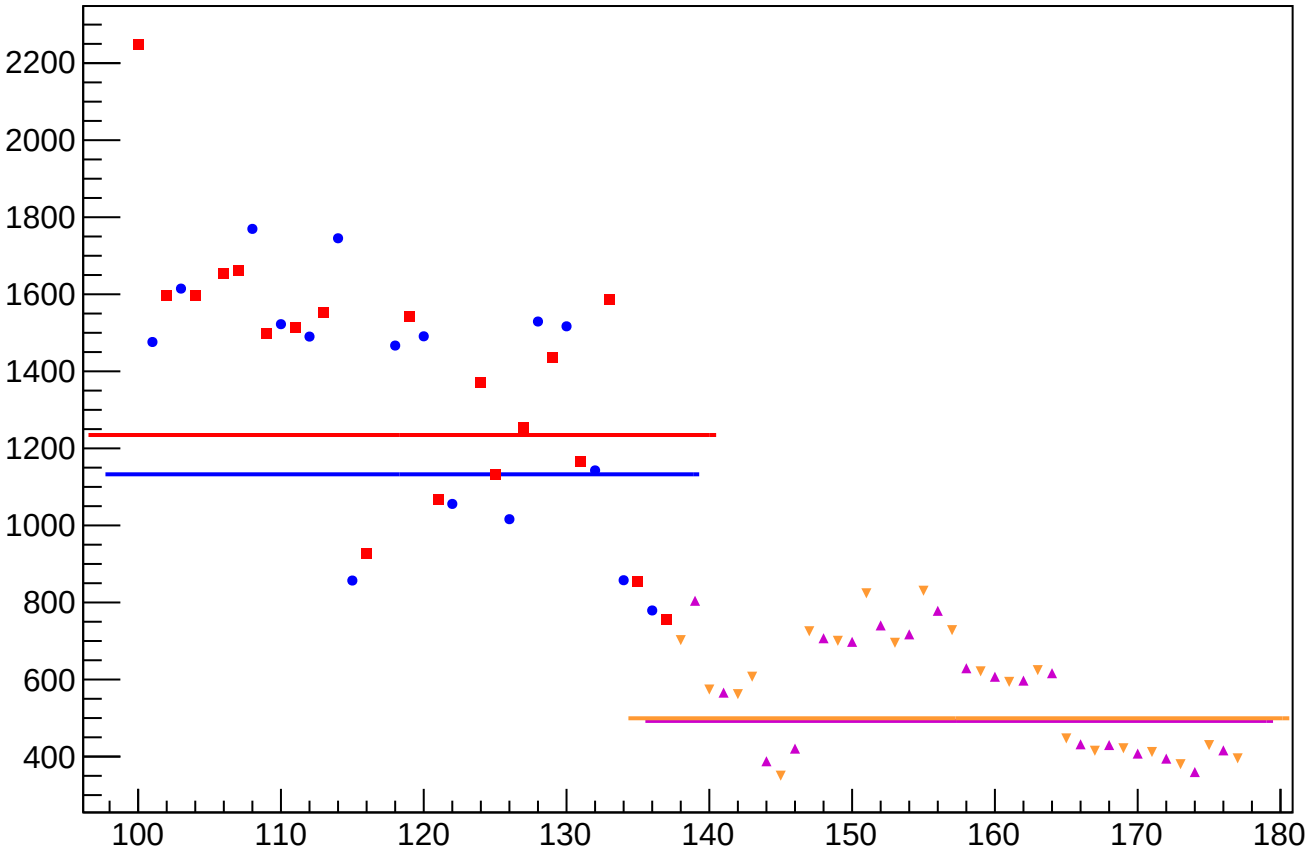
Left: -196.358+/-91.026 χ^2/NDF: 96.6/39

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: 47.374+/-124.781 χ^2/NDF:50.0/34

Out: -426.841+/-122.939 χ^2/NDF:76.9/39

All: -193.260+/-87.575 χ^2/NDF: 134.2/74



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 499.387+/-0.090 χ^2/NDF:2302171.3/20

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 492.566+/-0.092 χ^2/NDF:2092430.5/18

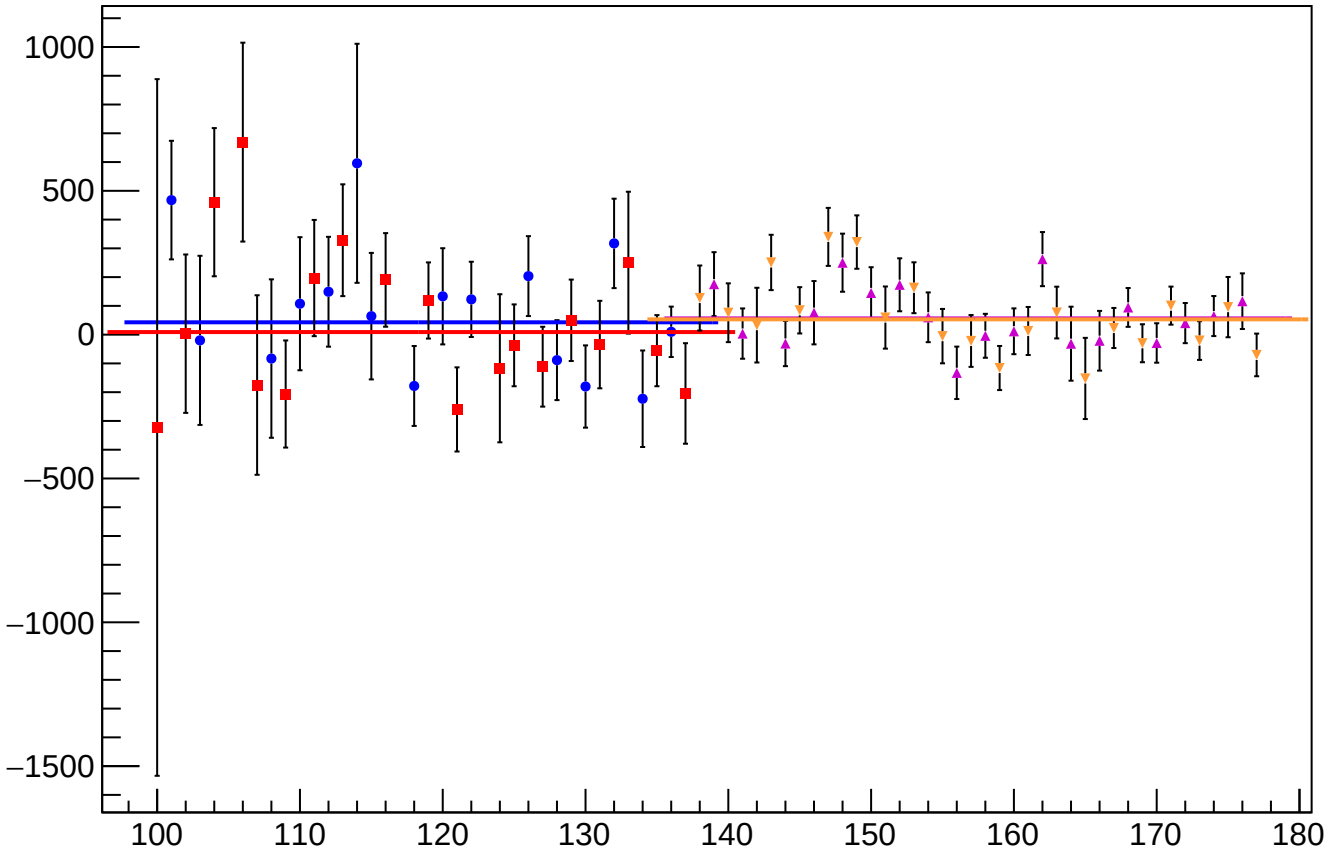
Left: 496.048+/-0.064 χ^2/NDF: 4397407.6/39

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 543.840+/-0.088 χ^2/NDF:7094804.6/34

Out: 550.011+/-0.087 χ^2/NDF:7765277.7/39

All: 546.972+/-0.062 χ^2/NDF: 14862564.8/74



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 53.178+/-18.883 χ^2/NDF:37.7/20

Right Out: 8.989+/-41.060 χ^2/NDF: 21.3/18

Left In: 56.506+/-19.620 χ^2/NDF:22.5/18

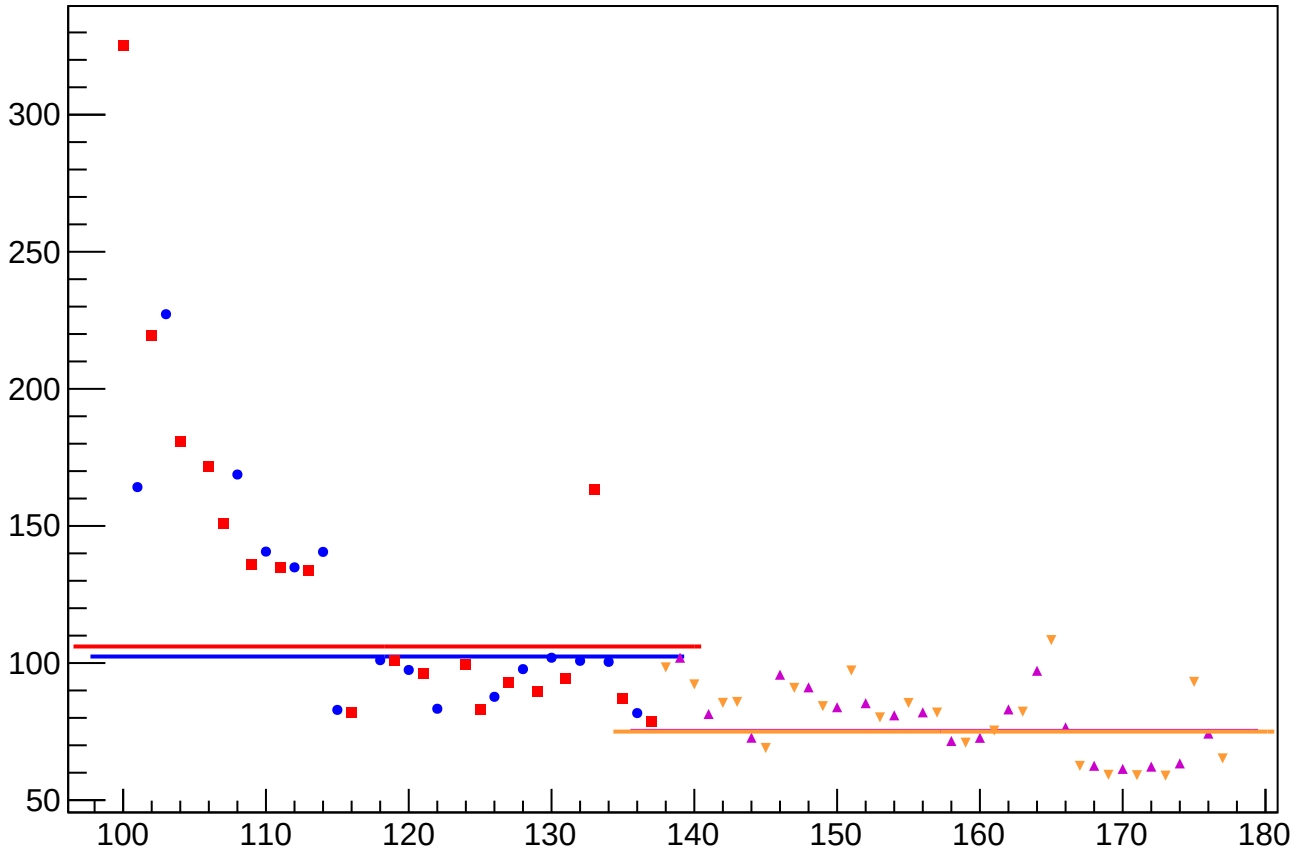
Left: 54.778+/-13.606 χ^2/NDF: 60.2/39

Right: 26.417+/-28.632 χ^2/NDF: 42.0/34

In: 53.865+/-17.611 χ^2/NDF:42.9/34

Out: 45.463+/-17.156 χ^2/NDF:60.0/39

All: 49.554+/-12.289 χ^2/NDF: 103.0/74



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 74.999+/-0.013 χ^2/NDF:1023680.0/20

Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 75.258+/-0.014 χ^2/NDF:668251.7/18

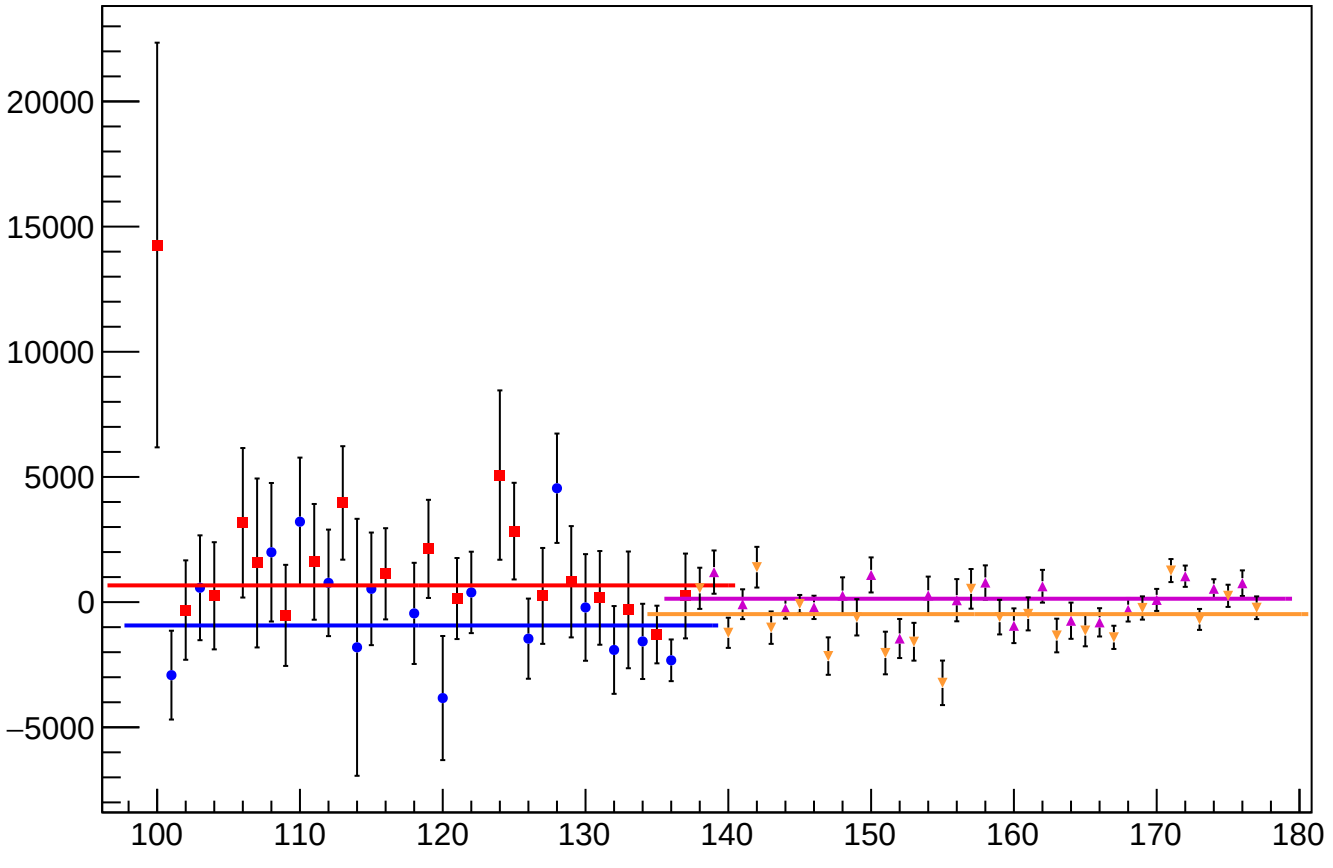
Left: 75.124+/-0.010 χ^2/NDF: 1692112.5/39

Right: 104.155+/-0.020 χ^2/NDF: 2181742.7/34

In: 80.529+/-0.012 χ^2/NDF:2393206.3/34

Out: 80.417+/-0.012 χ^2/NDF:3157999.7/39

All: 80.472+/-0.009 χ^2/NDF: 5551247.3/74



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -479.364+/-124.631 χ^2/NDF:56.7/20

Right Out: 668.521+/-463.213 χ^2/NDF: 13.5/18

Left In: 135.391+/-127.717 χ^2/NDF:25.3/18

Left: -179.504+/-89.199 χ^2/NDF: 93.9/39

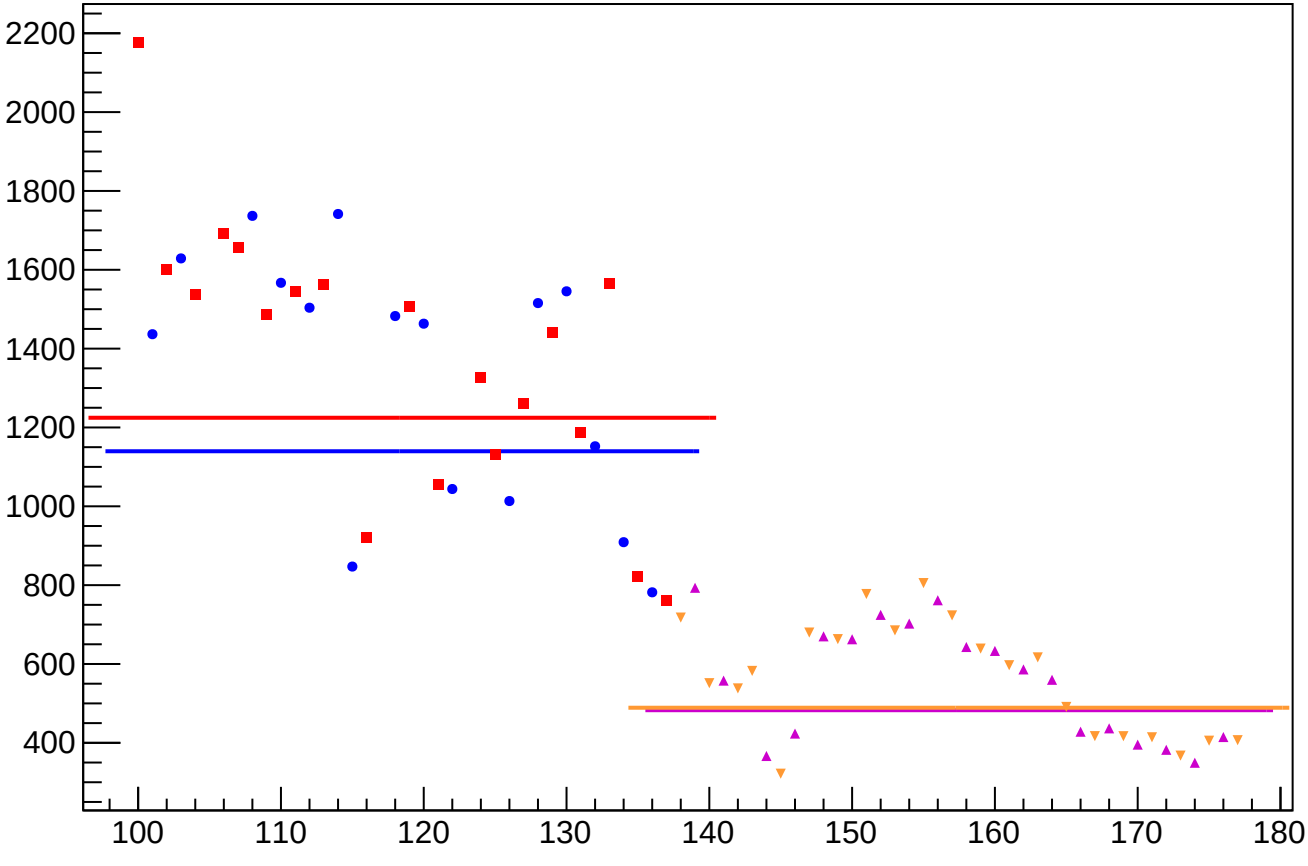
Right: -168.117+/-320.052 χ^2/NDF: 38.2/34

In: 53.357+/-122.713 χ^2/NDF:49.2/34

Out: -401.875+/-120.351 χ^2/NDF:75.9/39

All: -178.683+/-85.924 χ^2/NDF: 132.1/74

asym_sam_3726_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 489.038+/-0.088 χ^2/NDF:2372050.9/20

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

Left In: 482.751+/-0.090 χ^2/NDF:2122725.0/18

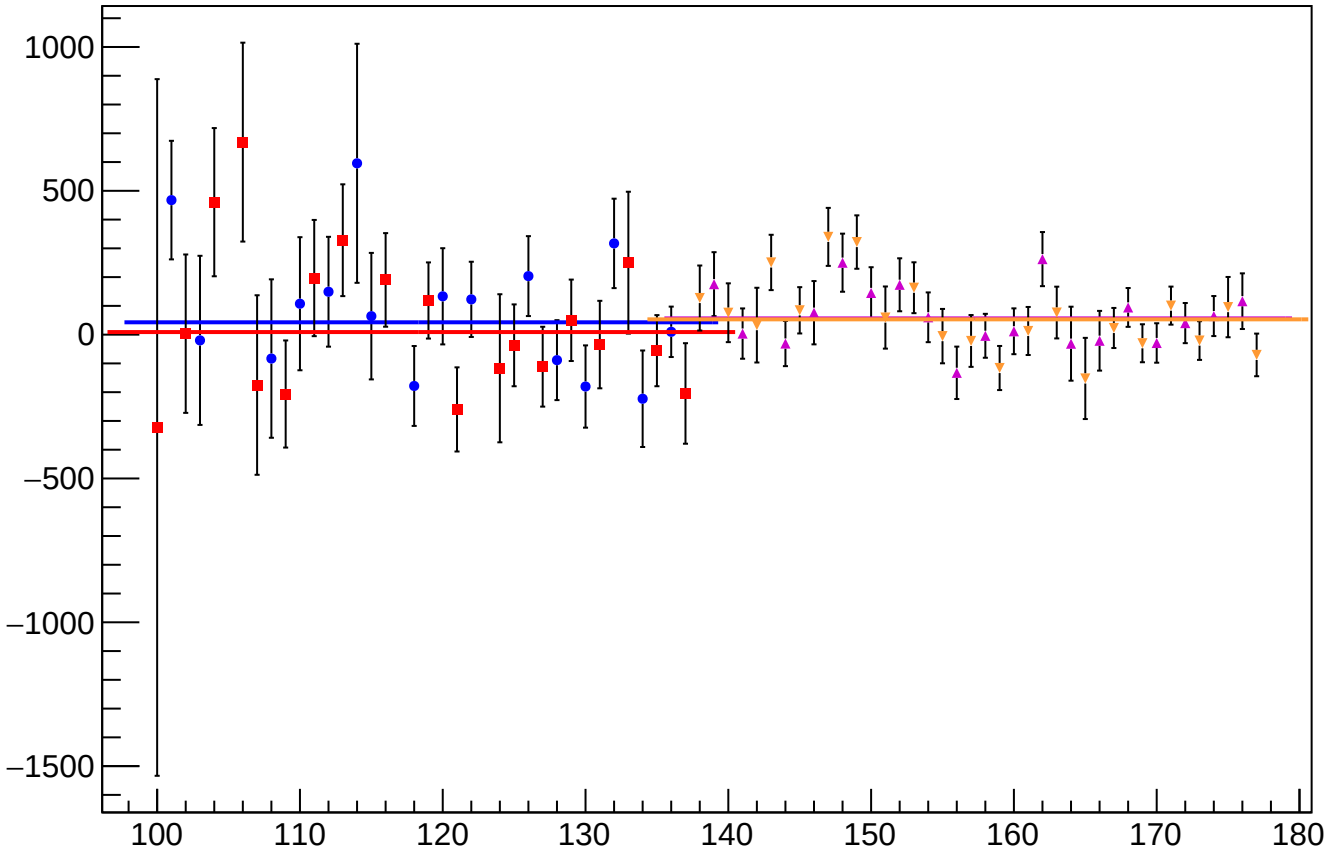
Left: 485.971+/-0.063 χ^2/NDF: 4497258.4/39

Right: 1180.226+/-0.226 χ^2/NDF: 2050976.5/34

In: 533.219+/-0.087 χ^2/NDF:7281071.3/34

Out: 538.695+/-0.085 χ^2/NDF:7997687.8/39

All: 536.010+/-0.061 χ^2/NDF: 15280788.9/74



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 53.177+/-18.883 χ^2/NDF:37.7/20

Right Out: 8.986+/-41.060 χ^2/NDF: 21.3/18

Left In: 56.505+/-19.620 χ^2/NDF:22.5/18

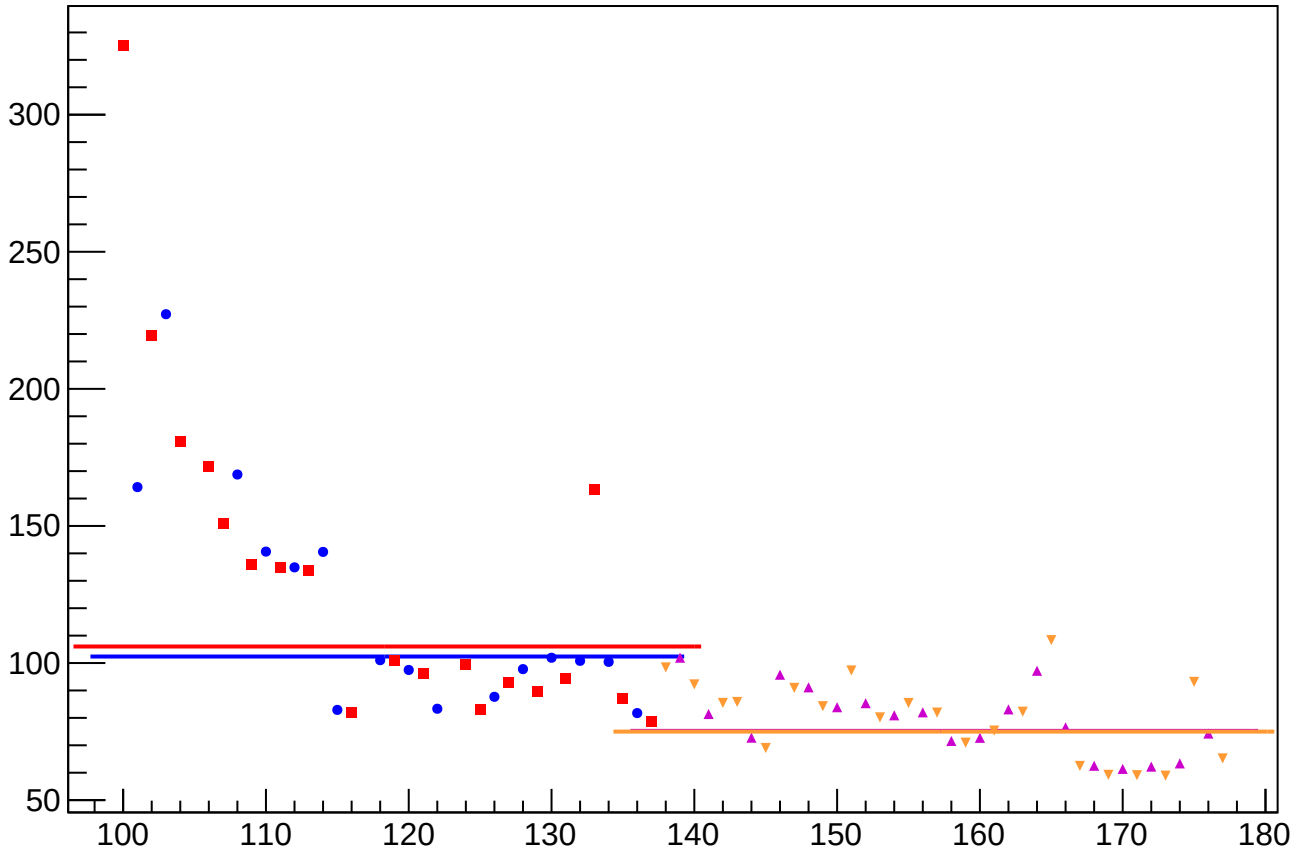
Left: 54.777+/-13.606 χ^2/NDF: 60.2/39

Right: 26.416+/-28.632 χ^2/NDF: 42.0/34

In: 53.864+/-17.611 χ^2/NDF:42.9/34

Out: 45.462+/-17.156 χ^2/NDF:60.0/39

All: 49.553+/-12.289 χ^2/NDF: 103.0/74



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 75.000+/-0.013 χ^2/NDF:1023677.7/20

Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 75.258+/-0.014 χ^2/NDF:668247.7/18

Left: 75.124+/-0.010 χ^2/NDF: 1692106.2/39

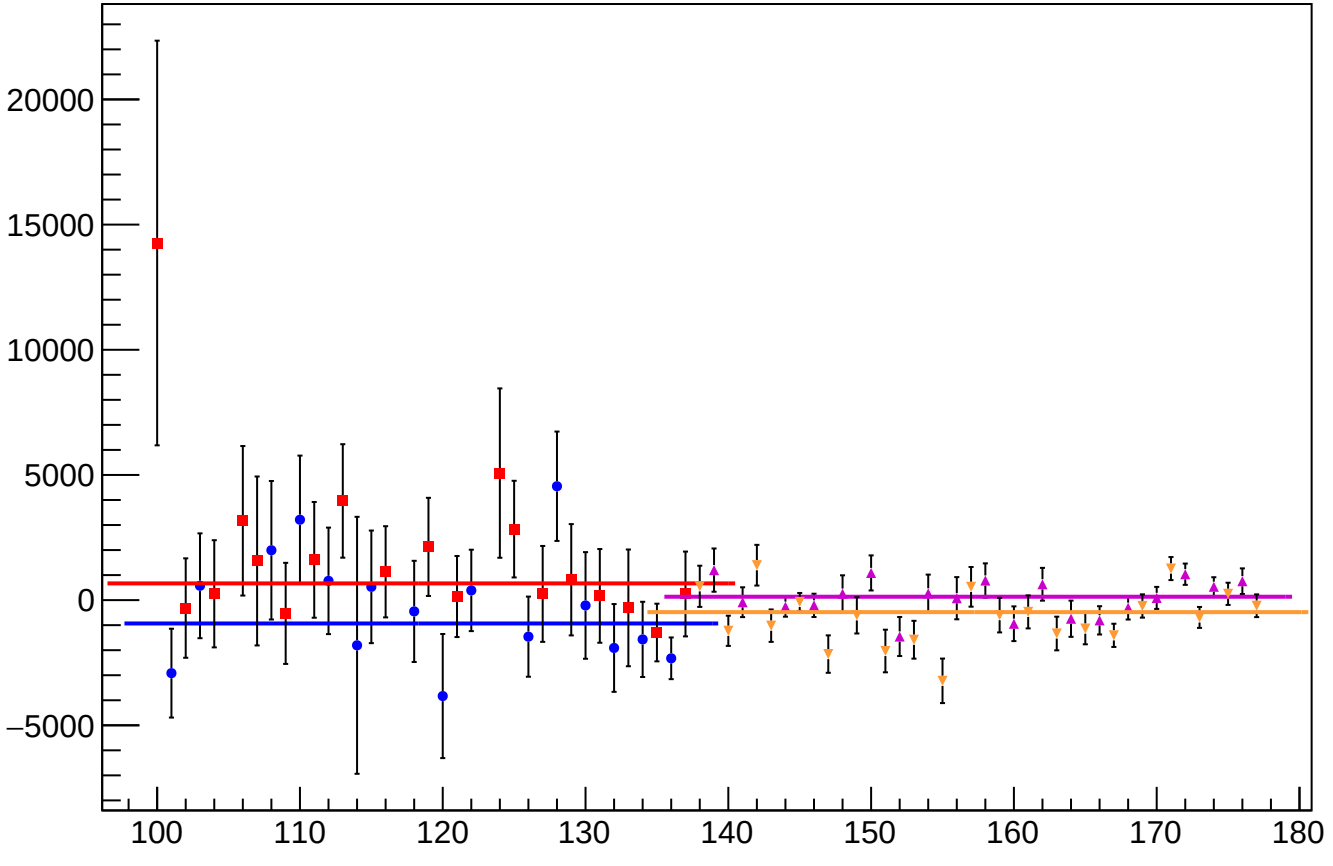
Right: 104.155+/-0.020 χ^2/NDF: 2181741.7/34

In: 80.529+/-0.012 χ^2/NDF:2393169.9/34

Out: 80.417+/-0.012 χ^2/NDF:3157980.1/39

All: 80.472+/-0.009 χ^2/NDF: 5551191.3/74

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: -479.363+/-124.631 χ^2/NDF:56.7/20

Right Out: 668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: 135.390+/-127.717 χ^2/NDF:25.3/18

Left: -179.504+/-89.199 χ^2/NDF: 93.9/39

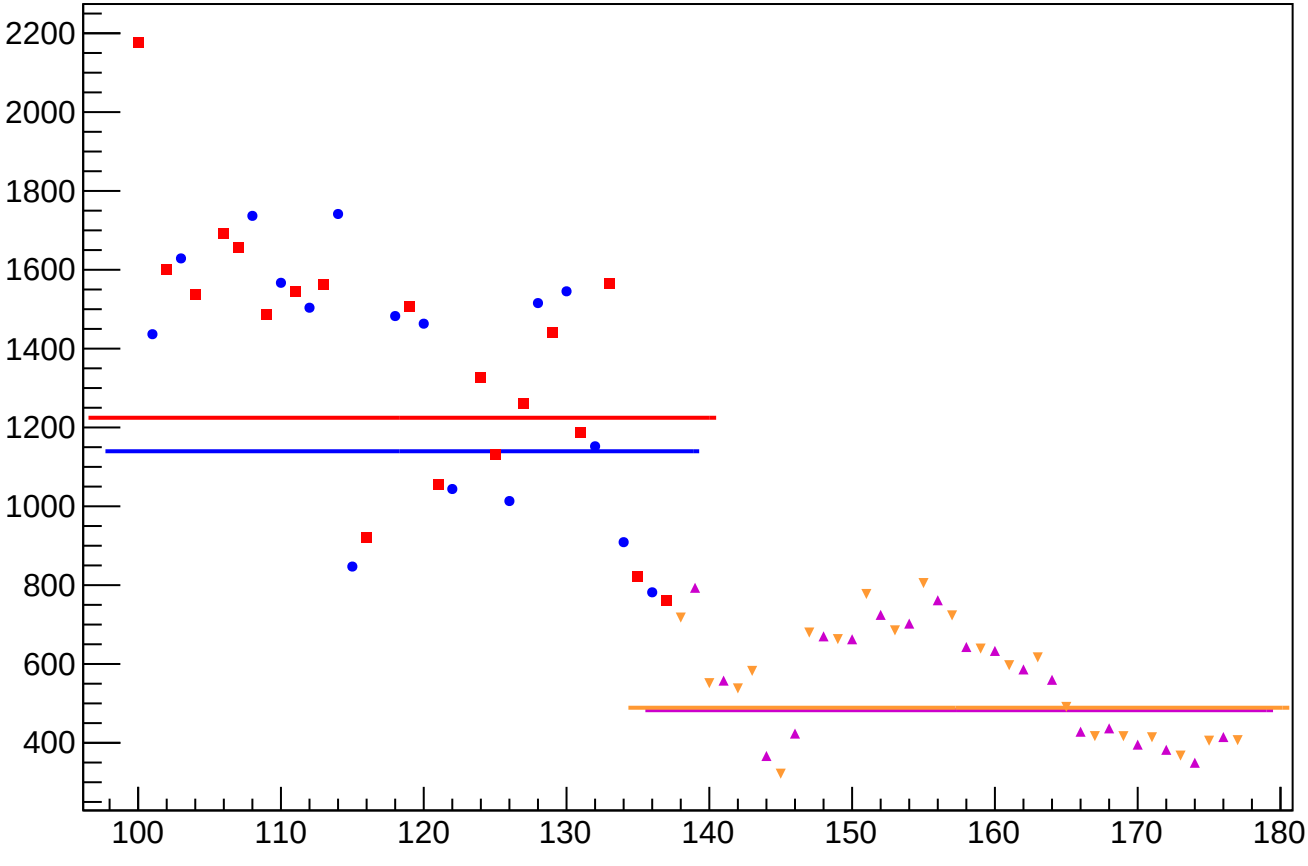
Right: -168.114+/-320.051 χ^2/NDF: 38.2/34

In: 53.356+/-122.713 χ^2/NDF:49.2/34

Out: -401.875+/-120.351 χ^2/NDF:75.9/39

All: -178.683+/-85.924 χ^2/NDF: 132.1/74

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: 489.037+/-0.088 χ^2/NDF:2372055.1/20

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

Left In: 482.750+/-0.090 χ^2/NDF:2122718.1/18

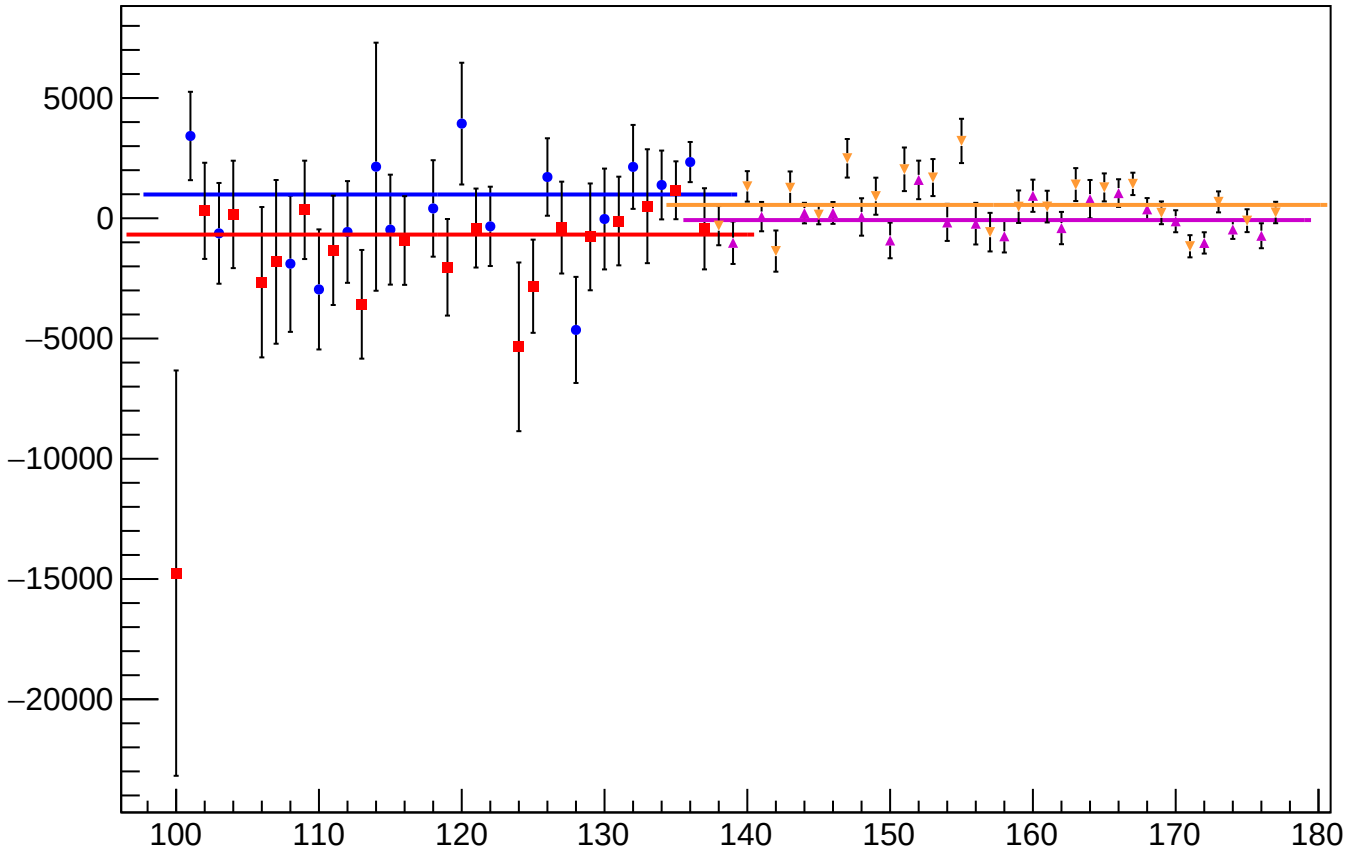
Left: 485.971+/-0.063 χ^2/NDF: 4497255.4/39

Right: 1180.225+/-0.226 χ^2/NDF: 2050952.9/34

In: 533.219+/-0.087 χ^2/NDF:7281048.6/34

Out: 538.694+/-0.085 χ^2/NDF:7997680.3/39

All: 536.010+/-0.061 χ^2/NDF: 15280758.4/74



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 555.841+/-128.338 χ^2/NDF:54.5/20

Right Out: -677.628+/-469.652 χ^2/NDF: 11.9/18

Left In: -74.817+/-131.106 χ^2/NDF:24.4/18

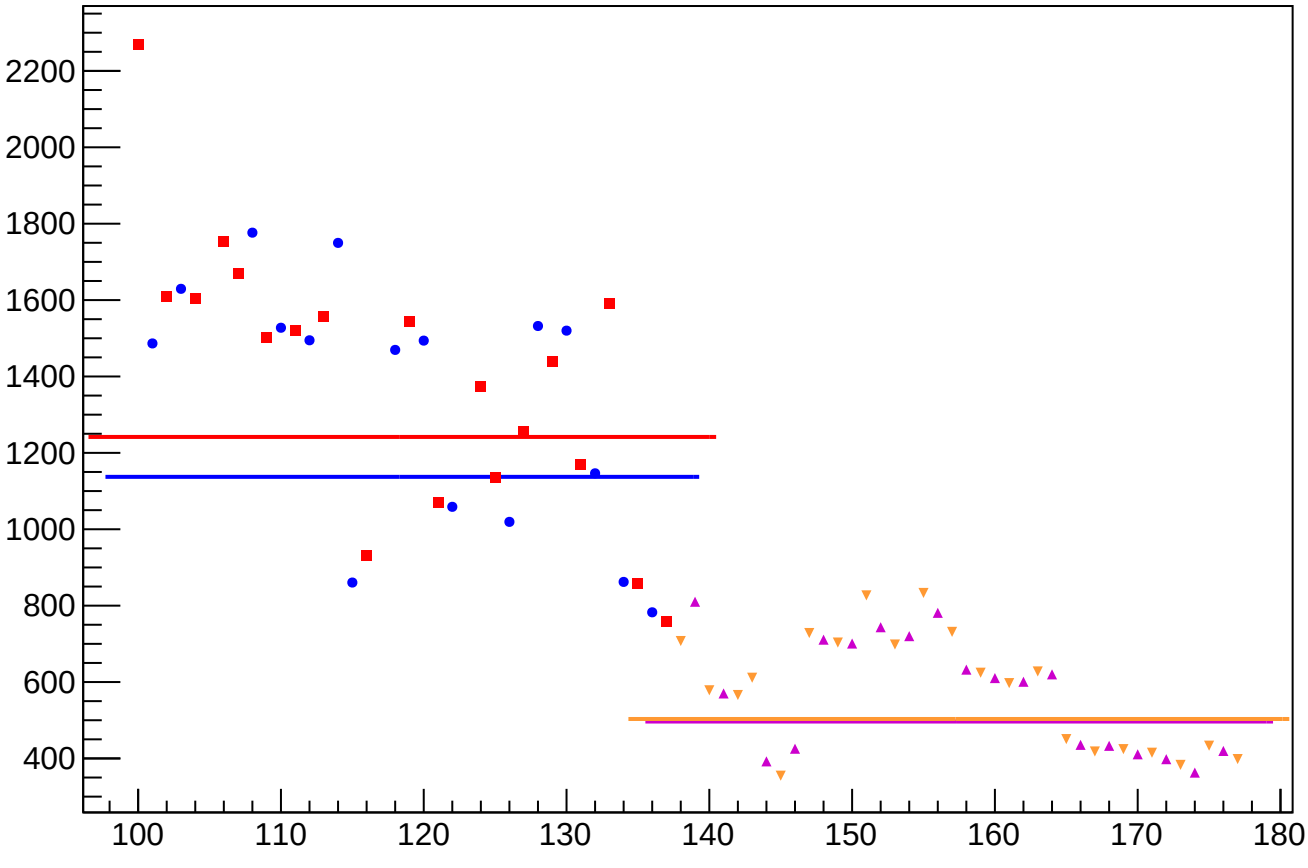
Left: 247.239+/-91.712 χ^2/NDF: 90.7/39

Right: 205.171+/-322.118 χ^2/NDF: 37.6/34

In: 11.012+/-125.707 χ^2/NDF:48.8/34

Out: 470.135+/-123.799 χ^2/NDF:72.8/39

All: 244.085+/-88.206 χ^2/NDF: 128.4/74



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 503.285+/-0.091 χ^2/NDF:2273280.7/20

Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 496.609+/-0.093 χ^2/NDF:2065797.7/18

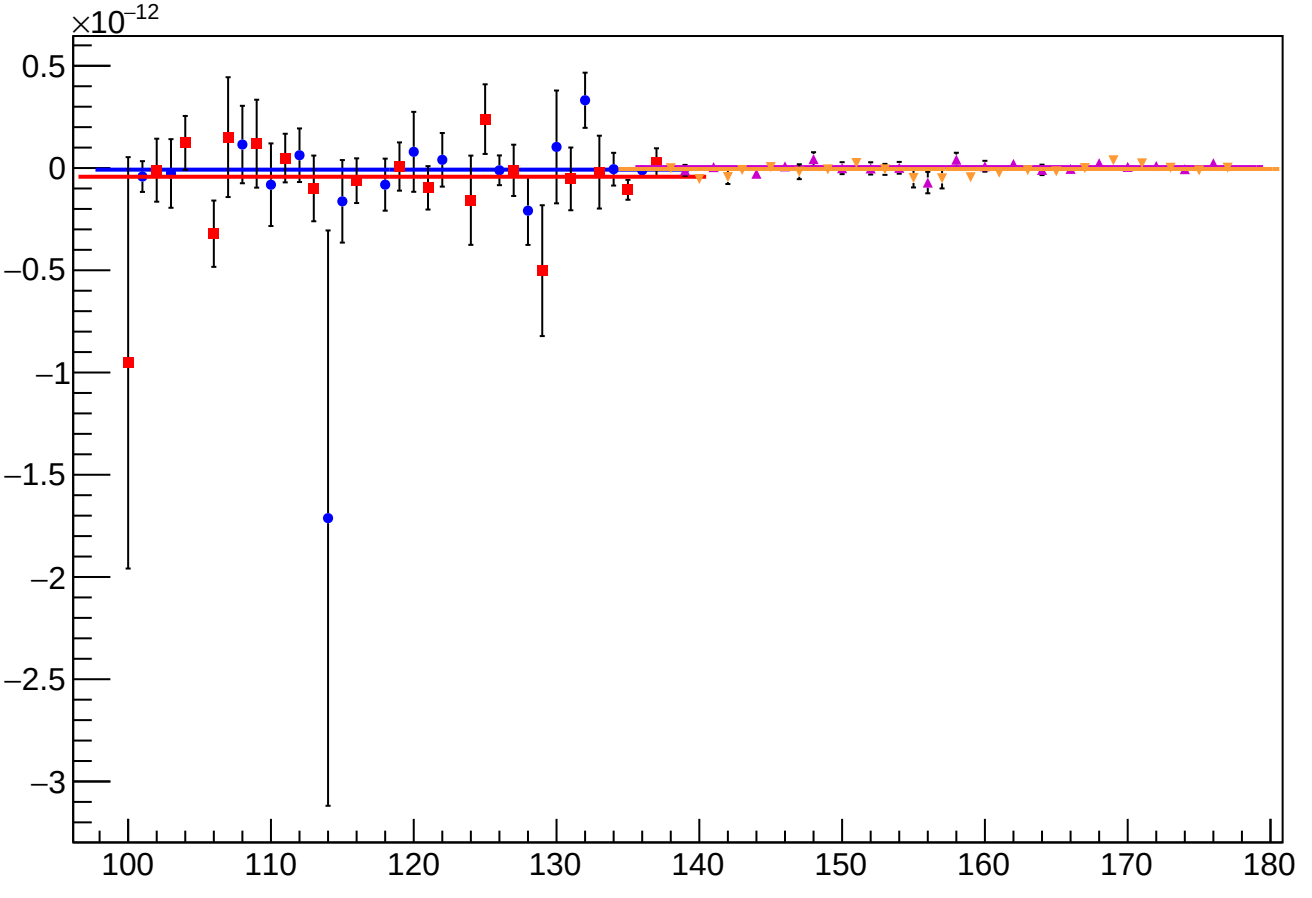
Left: 500.018+/-0.065 χ^2/NDF: 4341726.9/39

Right: 1186.373+/-0.228 χ^2/NDF: 2075531.5/34

In: 548.277+/-0.089 χ^2/NDF:7040778.7/34

Out: 554.594+/-0.088 χ^2/NDF:7773285.7/39

All: 551.484+/-0.062 χ^2/NDF: 14816627.7/74



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/20

Right Out: -0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: 0.000+/-0.000 χ^2/NDF:13.1/18

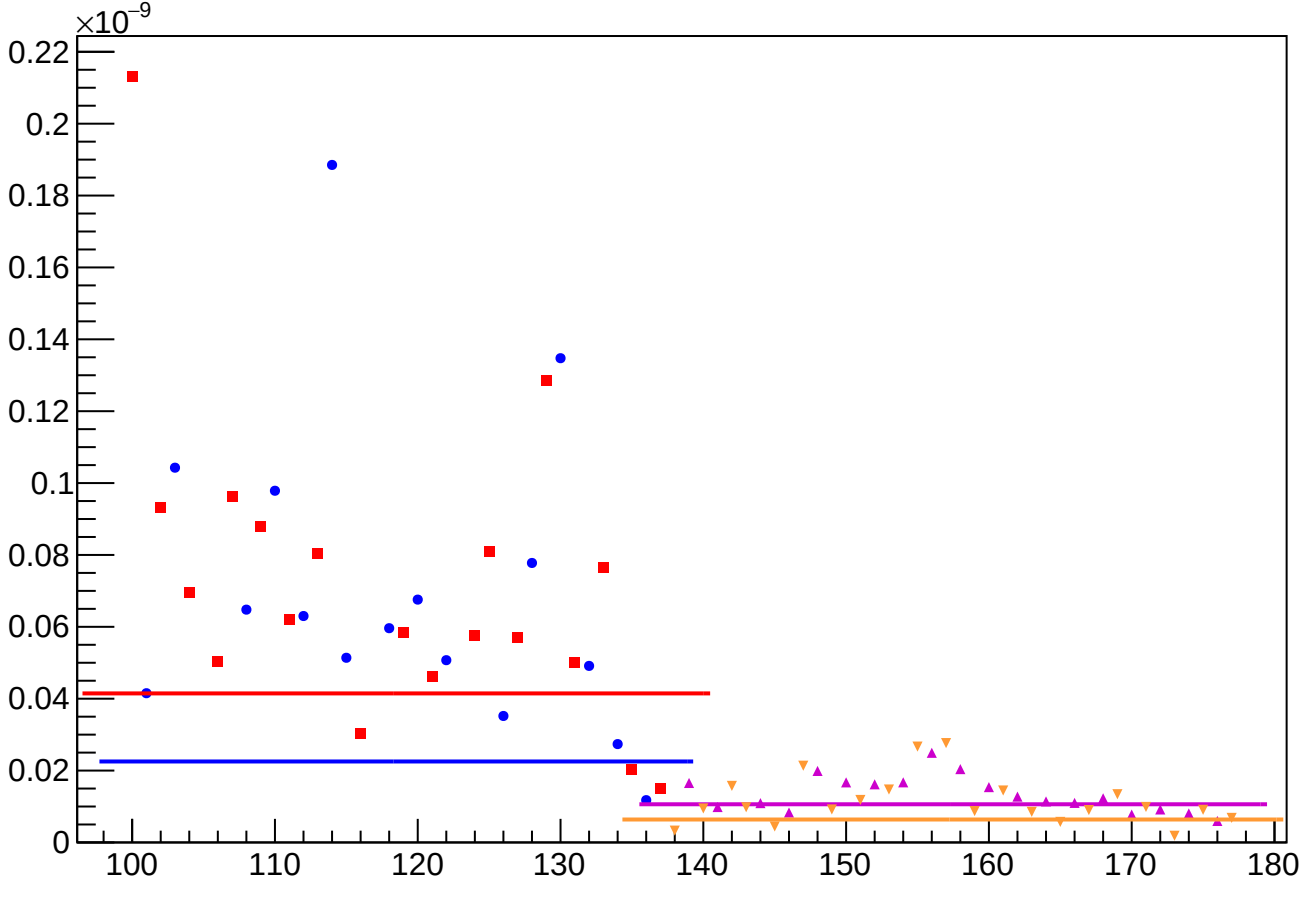
Left: -0.000+/-0.000 χ^2/NDF: 42.6/39

Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: 0.000+/-0.000 χ^2/NDF:25.3/34

Out: -0.000+/-0.000 χ^2/NDF:44.4/39

All: -0.000+/-0.000 χ^2/NDF: 72.3/74



Right In: 0.000+/-0.000 χ^2/NDF: 2852766.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3679374.1/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1847735.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1340220.4/18

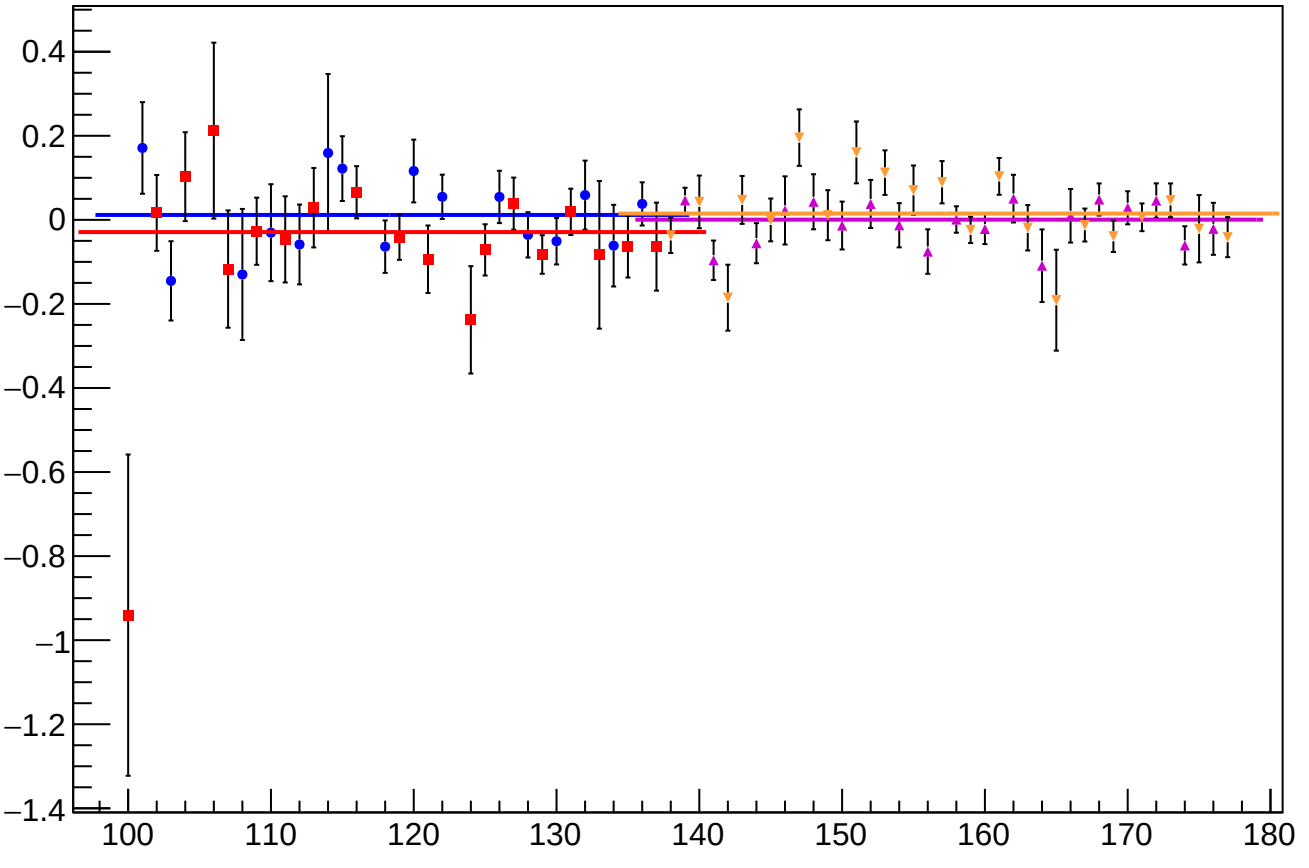
Left: 0.000+/-0.000 χ^2/NDF: 6102973.0/39

Right: 0.000+/-0.000 χ^2/NDF: 5394567.7/34

In: 0.000+/-0.000 χ^2/NDF:5069612.5/34

Out: 0.000+/-0.000 χ^2/NDF:8838813.2/39

All: 0.000+/-0.000 χ^2/NDF: 15227324.7/74



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.015+/-0.011 χ^2/NDF:40.0/20

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.000+/-0.011 χ^2/NDF:19.1/18

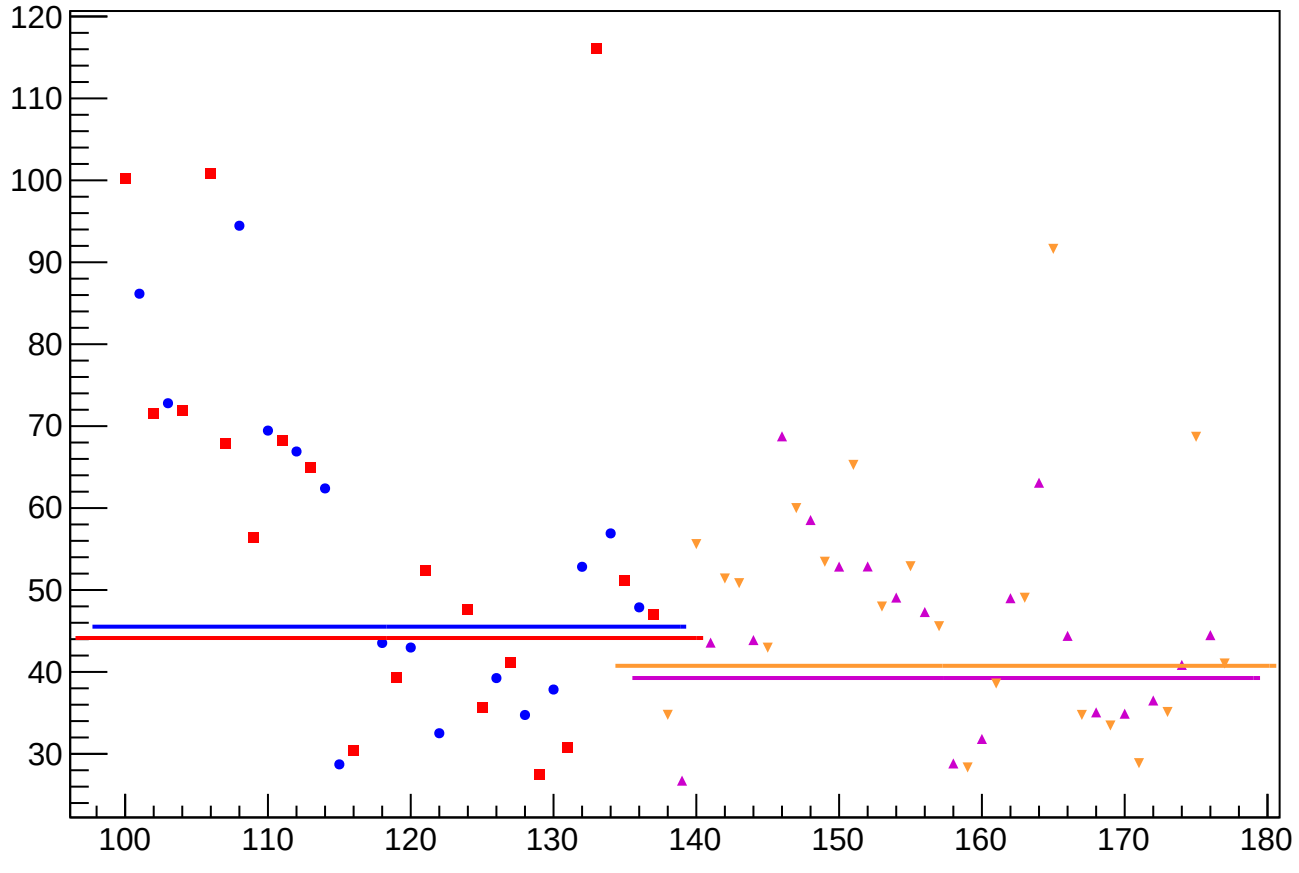
Left: 0.008+/-0.008 χ^2/NDF: 60.1/39

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.003+/-0.009 χ^2/NDF:36.2/34

Out: 0.004+/-0.009 χ^2/NDF:64.1/39

All: 0.003+/-0.006 χ^2/NDF: 100.3/74



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 40.747+/-0.008 χ^2/NDF:2264428.5/20

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 39.258+/-0.008 χ^2/NDF:1767005.0/18

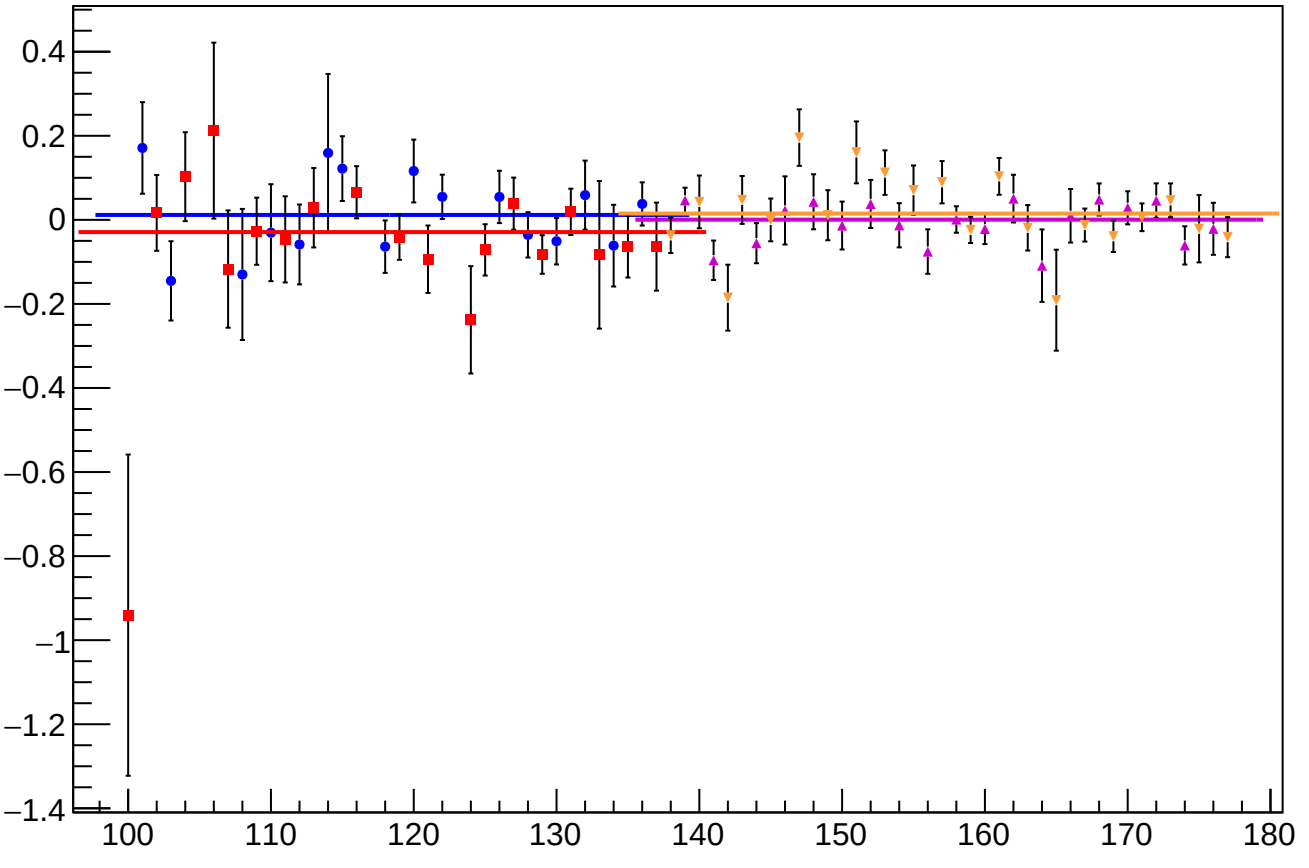
Left: 40.003+/-0.005 χ^2/NDF: 4051069.7/39

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 40.836+/-0.006 χ^2/NDF:3196097.3/34

Out: 41.633+/-0.006 χ^2/NDF:4061085.2/39

All: 41.237+/-0.005 χ^2/NDF: 7264748.1/74



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.015+/-0.011 χ^2/NDF:40.0/20

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.000+/-0.011 χ^2/NDF:19.1/18

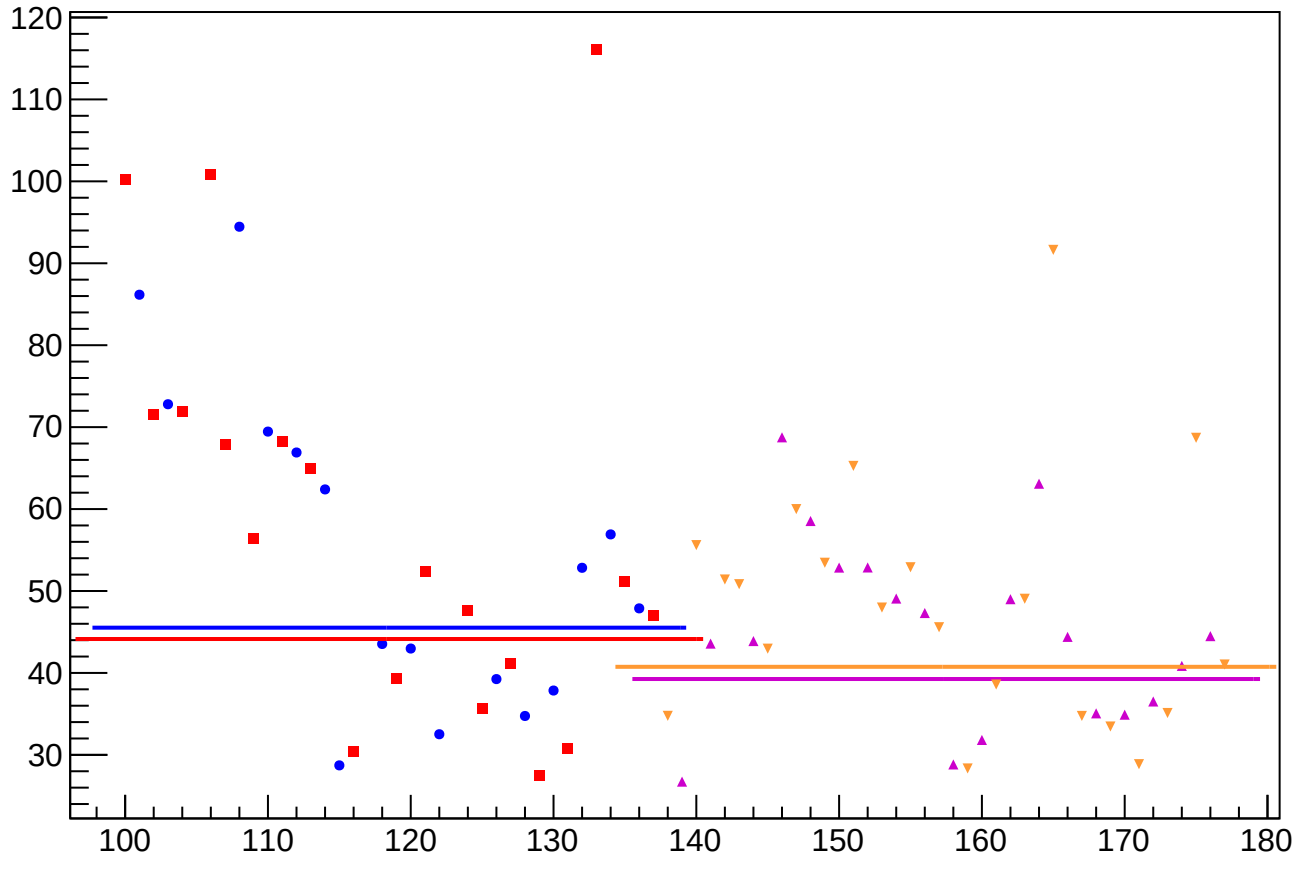
Left: 0.008+/-0.008 χ^2/NDF: 60.1/39

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.003+/-0.009 χ^2/NDF:36.2/34

Out: 0.004+/-0.009 χ^2/NDF:64.1/39

All: 0.003+/-0.006 χ^2/NDF: 100.3/74



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 40.747+/-0.008 χ^2/NDF:2264428.5/20

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 39.258+/-0.008 χ^2/NDF:1767005.0/18

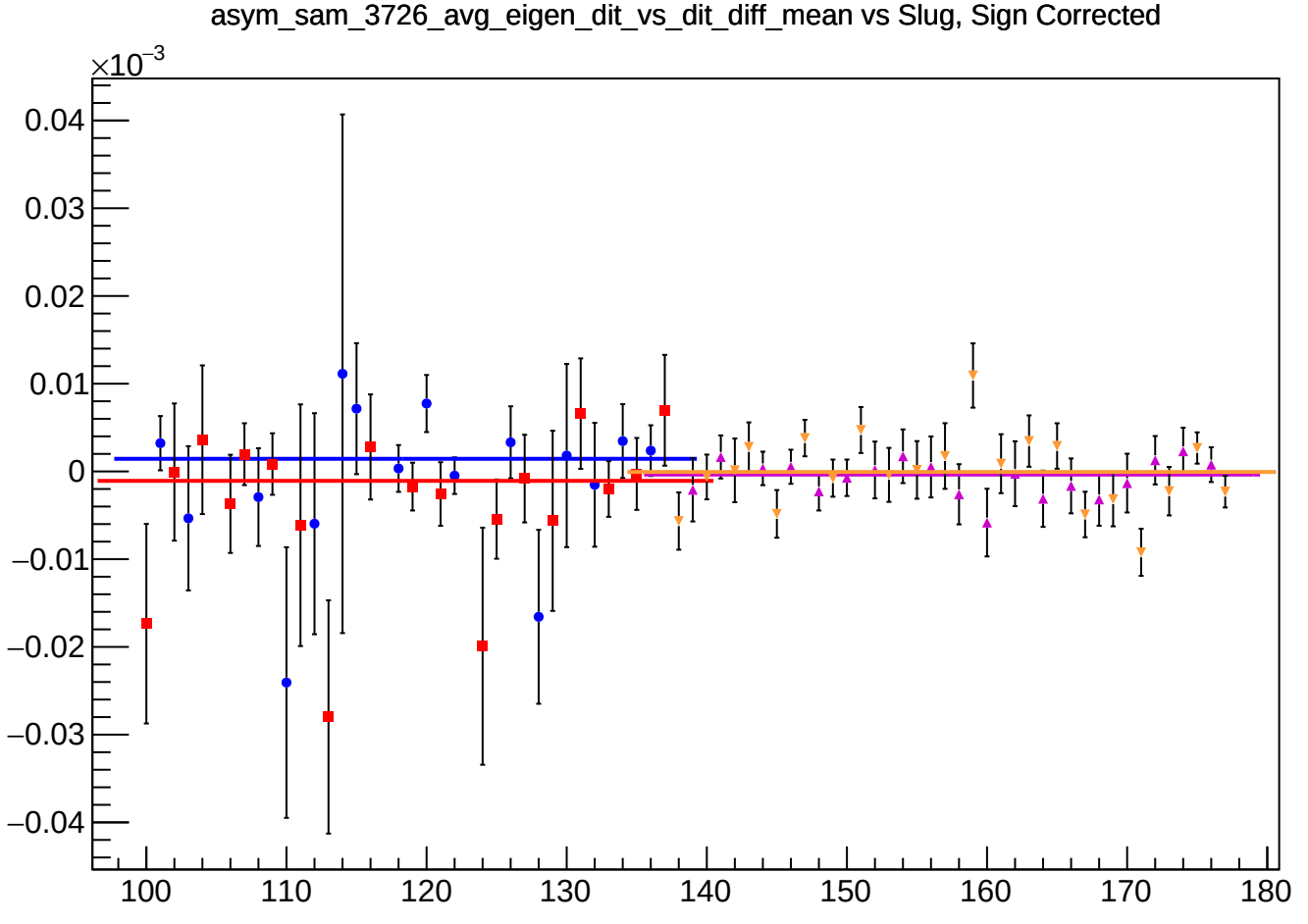
Left: 40.003+/-0.005 χ^2/NDF: 4051069.7/39

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 40.836+/-0.006 χ^2/NDF:3196097.3/34

Out: 41.633+/-0.006 χ^2/NDF:4061085.2/39

All: 41.237+/-0.005 χ^2/NDF: 7264748.1/74



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:46.8/20

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:8.6/18

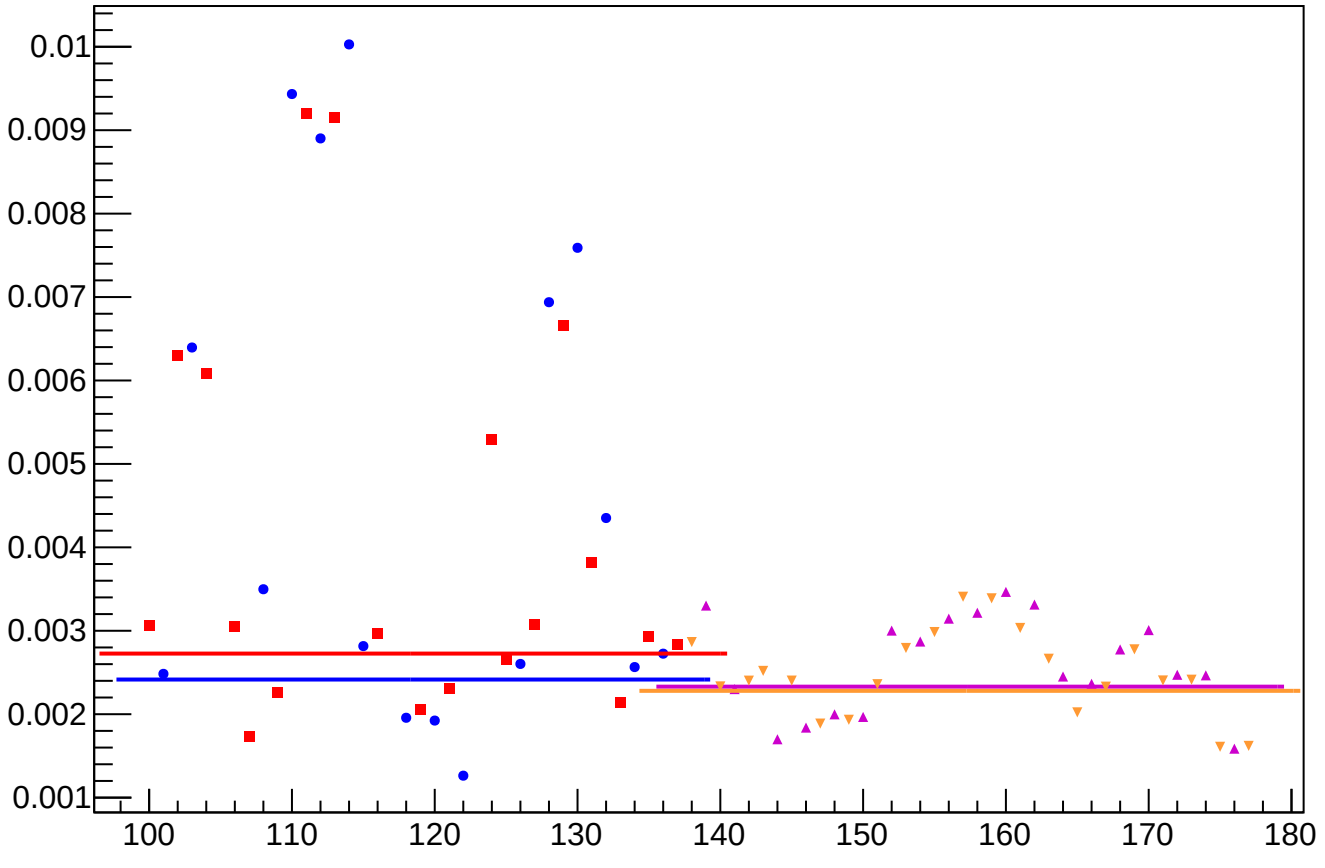
Left: -0.000+/-0.000 χ^2/NDF: 55.5/39

Right: 0.000+/-0.000 χ^2/NDF: 31.7/34

In: 0.000+/-0.000 χ^2/NDF:25.0/34

Out: -0.000+/-0.000 χ^2/NDF:62.2/39

All: -0.000+/-0.000 χ^2/NDF: 87.5/74



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF:1491435.8/20

Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.002+/-0.000 χ^2/NDF:1726609.7/18

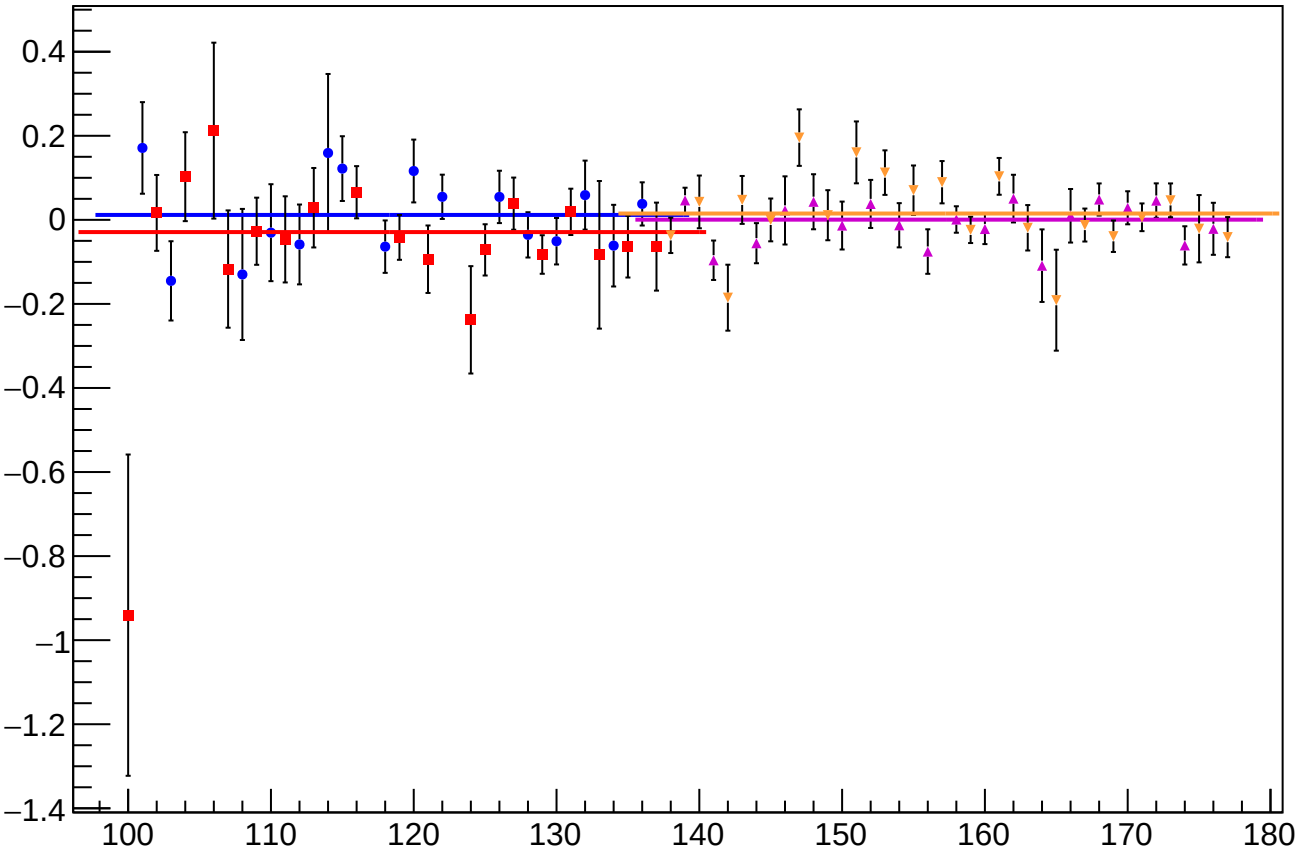
Left: 0.002+/-0.000 χ^2/NDF: 3225134.0/39

Right: 0.003+/-0.000 χ^2/NDF: 6019731.5/34

In: 0.002+/-0.000 χ^2/NDF:5168699.0/34

Out: 0.002+/-0.000 χ^2/NDF:4247461.7/39

All: 0.002+/-0.000 χ^2/NDF: 9417750.4/74



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.015+/-0.011 χ^2/NDF:40.0/20

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.000+/-0.011 χ^2/NDF:19.1/18

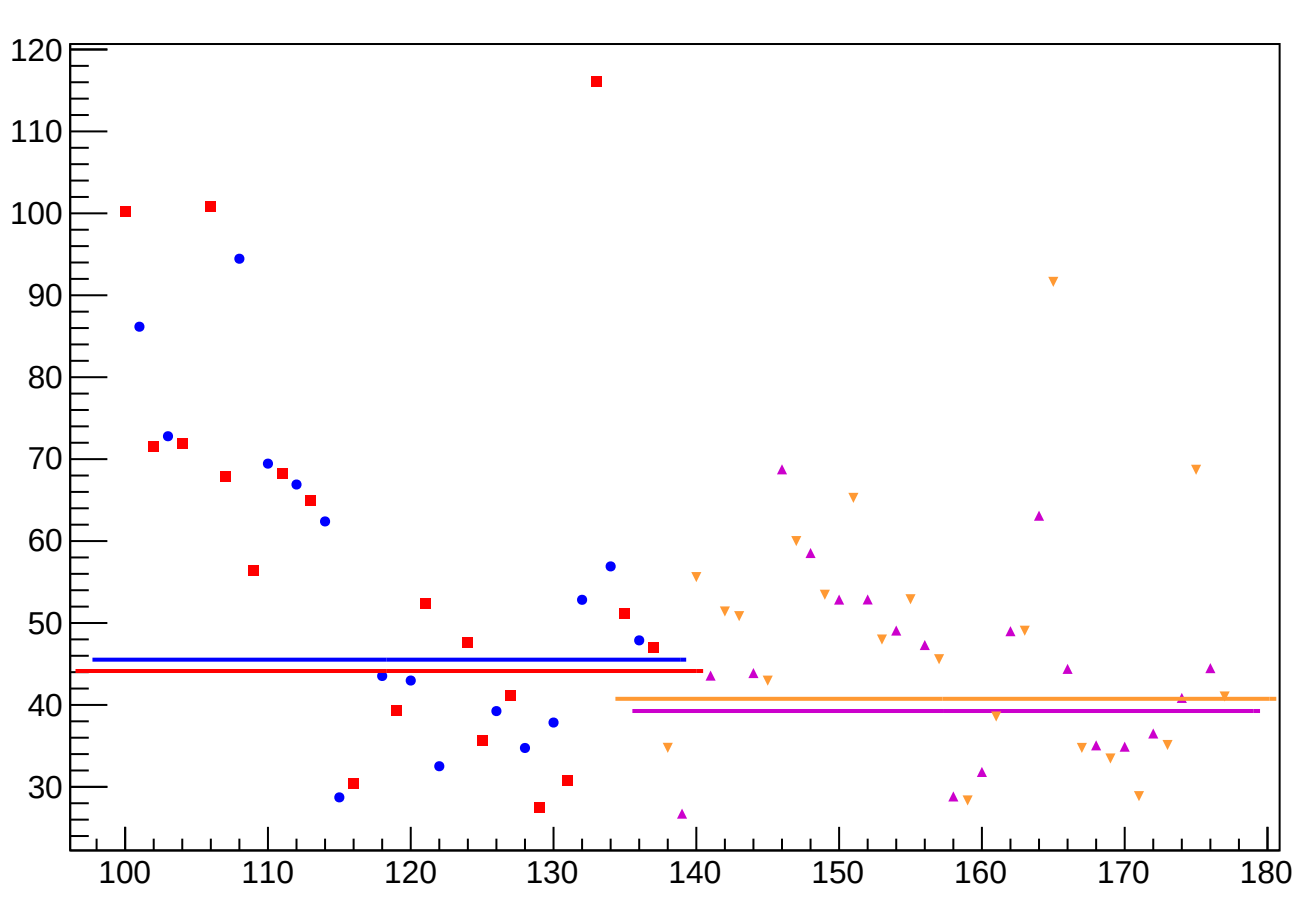
Left: 0.008+/-0.008 χ^2/NDF: 60.1/39

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.003+/-0.009 χ^2/NDF:36.2/34

Out: 0.004+/-0.009 χ^2/NDF:64.1/39

All: 0.003+/-0.006 χ^2/NDF: 100.3/74



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 40.748+/-0.008 χ^2/NDF:2264456.8/20

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 39.259+/-0.008 χ^2/NDF:1767045.4/18

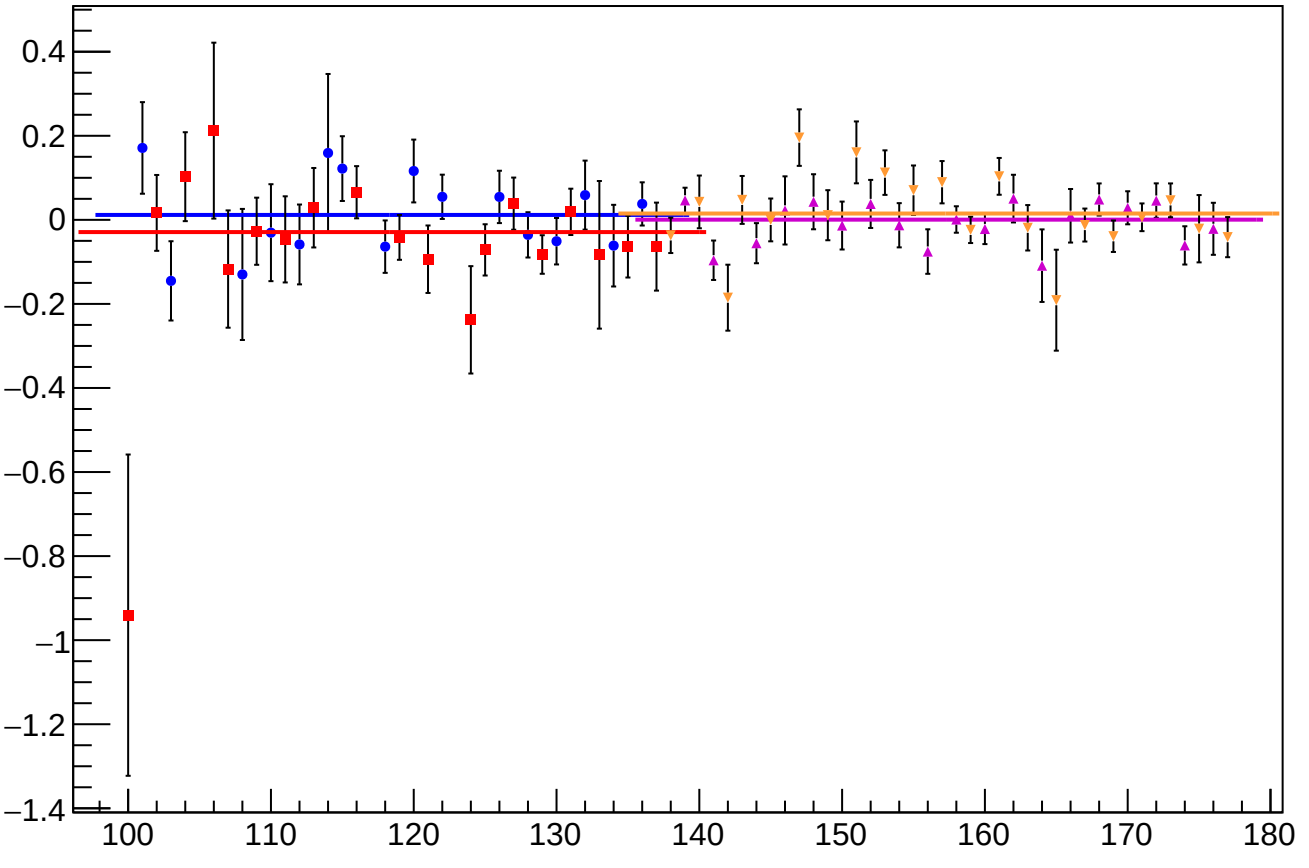
Left: 40.003+/-0.005 χ^2/NDF: 4051136.4/39

Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 40.836+/-0.006 χ^2/NDF:3196073.6/34

Out: 41.633+/-0.006 χ^2/NDF:4061035.9/39

All: 41.237+/-0.005 χ^2/NDF: 7264675.4/74



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.015+/-0.011 χ^2/NDF:40.0/20

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.000+/-0.011 χ^2/NDF:19.1/18

Left: 0.008+/-0.008 χ^2/NDF: 60.1/39

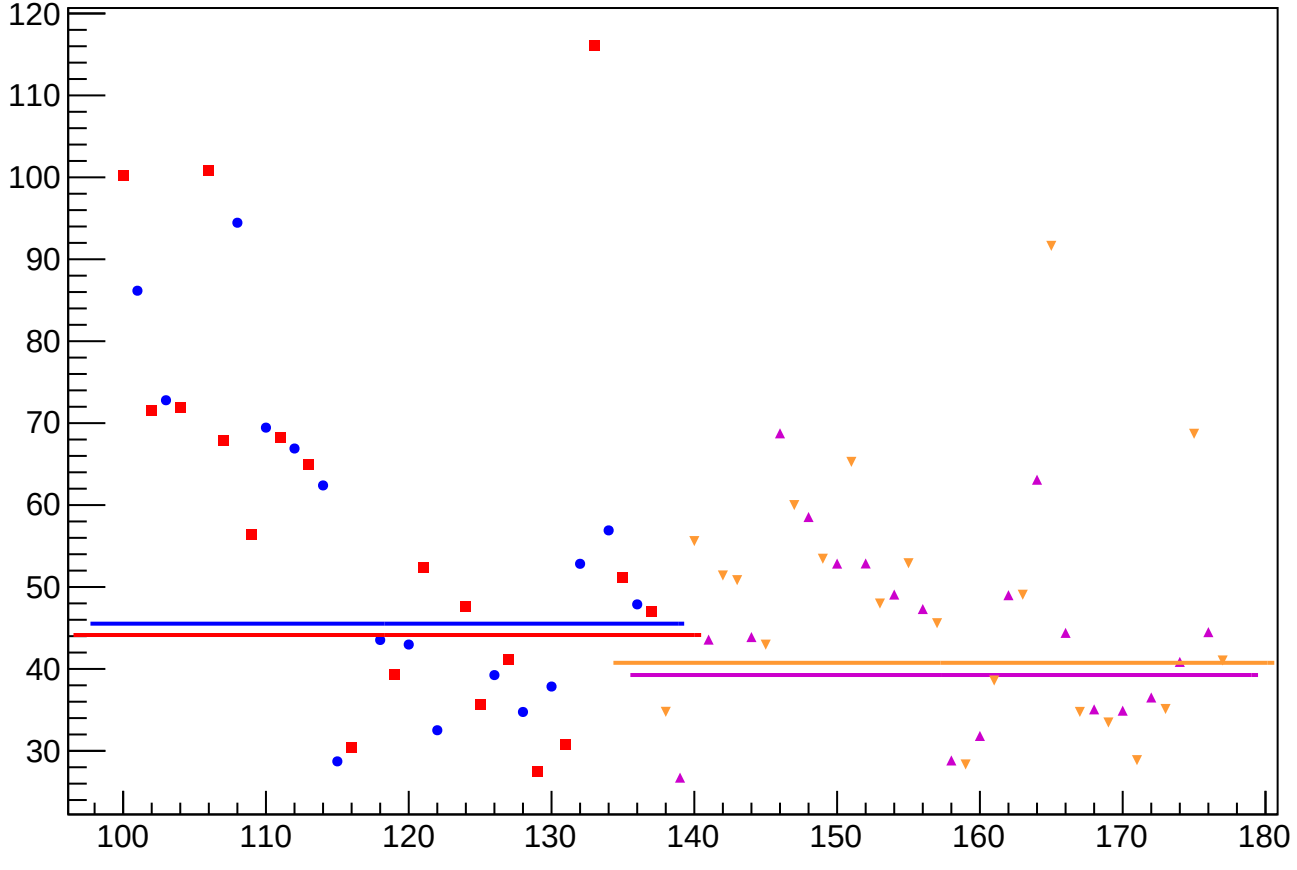
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.003+/-0.009 χ^2/NDF:36.2/34

Out: 0.004+/-0.009 χ^2/NDF:64.1/39

All: 0.003+/-0.006 χ^2/NDF: 100.3/74

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 40.748+/-0.008 χ^2/NDF:2264456.8/20

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 39.259+/-0.008 χ^2/NDF:1767045.4/18

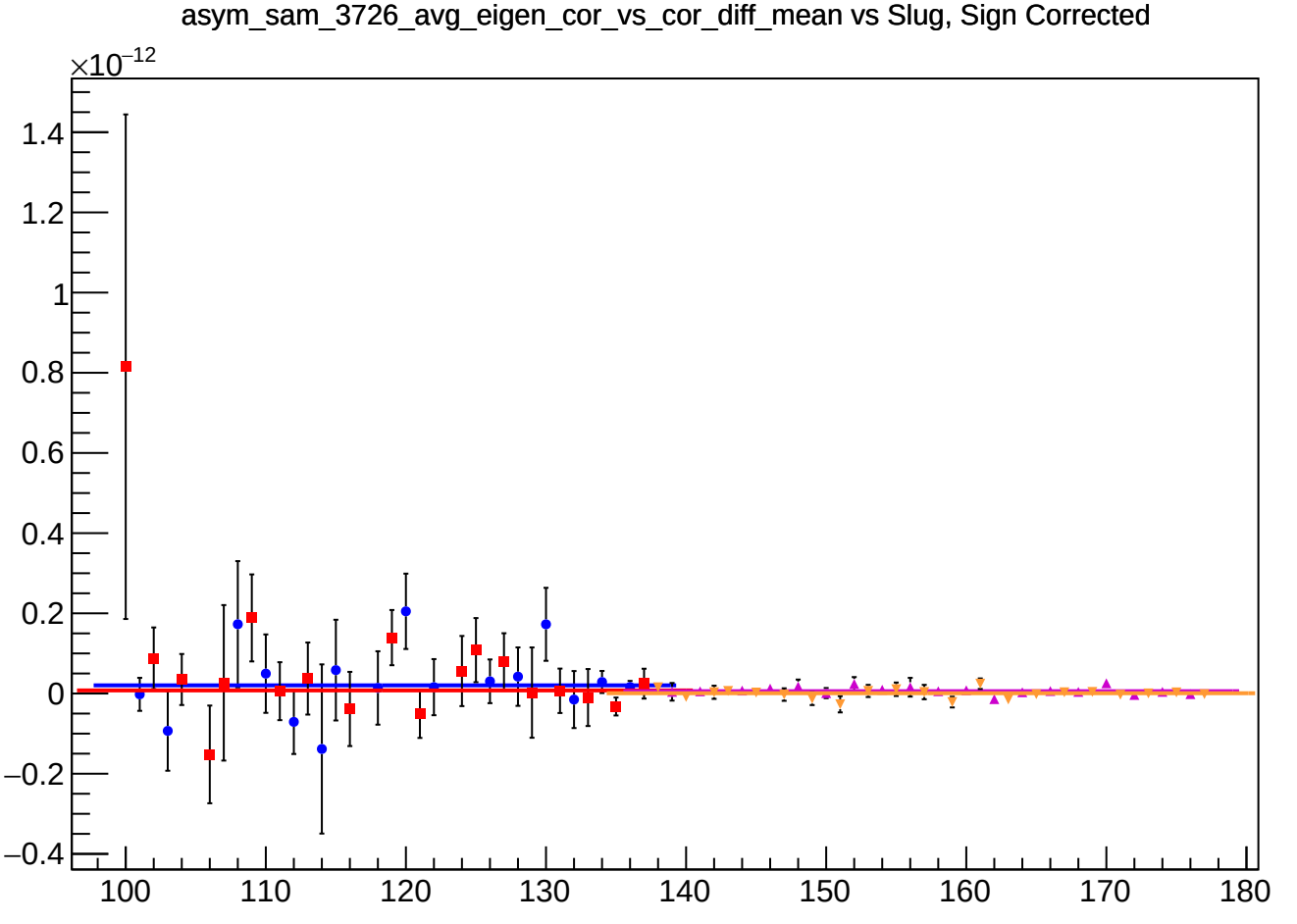
Left: 40.003+/-0.005 χ^2/NDF: 4051136.4/39

Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 40.836+/-0.006 χ^2/NDF:3196073.6/34

Out: 41.633+/-0.006 χ^2/NDF:4061035.9/39

All: 41.237+/-0.005 χ^2/NDF: 7264675.4/74



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: 0.000+/-0.000 χ^2/NDF:12.4/18

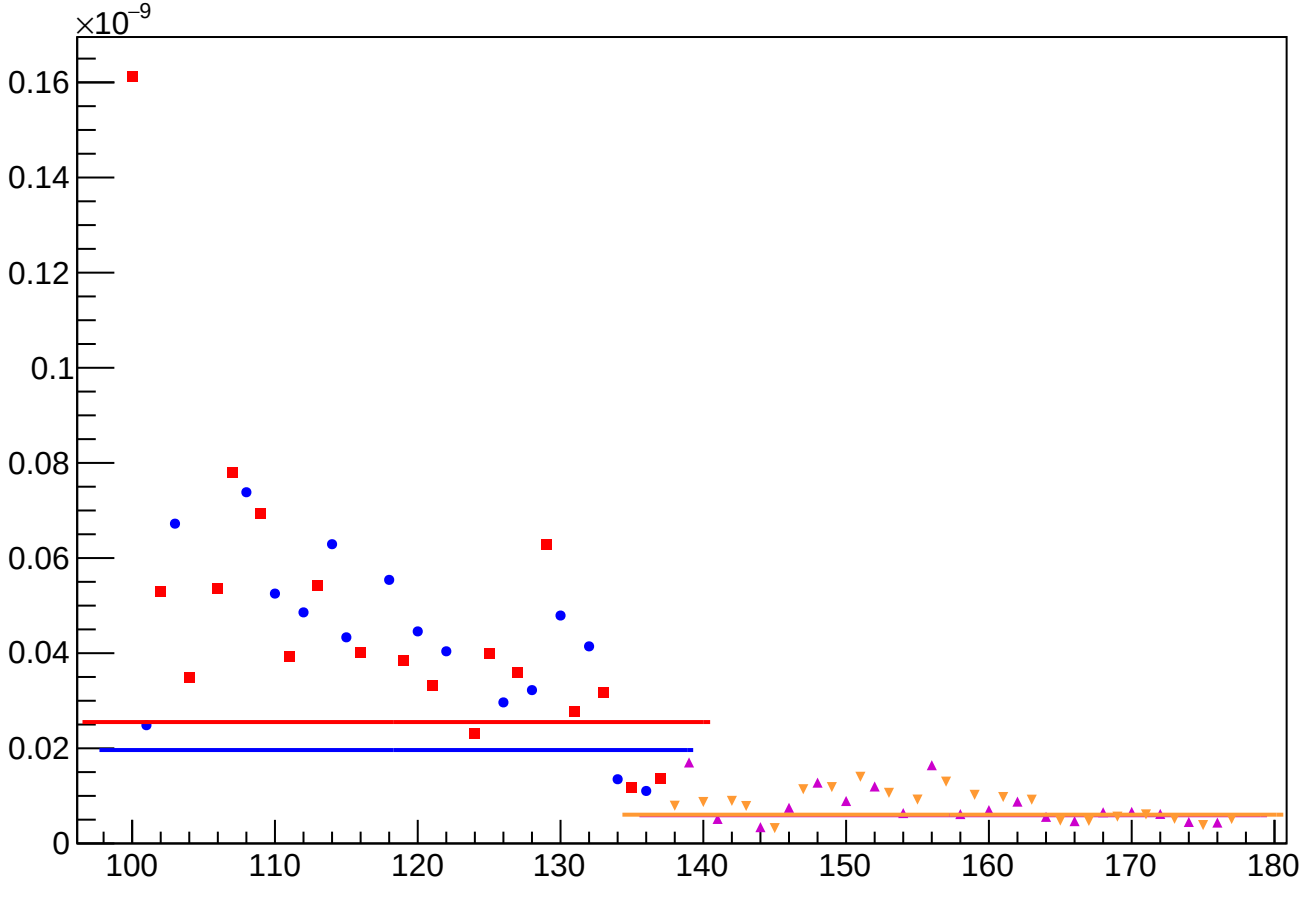
Left: 0.000+/-0.000 χ^2/NDF: 29.2/39

Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:25.9/34

Out: 0.000+/-0.000 χ^2/NDF:33.0/39

All: 0.000+/-0.000 χ^2/NDF: 62.1/74



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3120238.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2440310.1/18

Left: 0.000+/-0.000 χ^2/NDF: 5563752.2/39

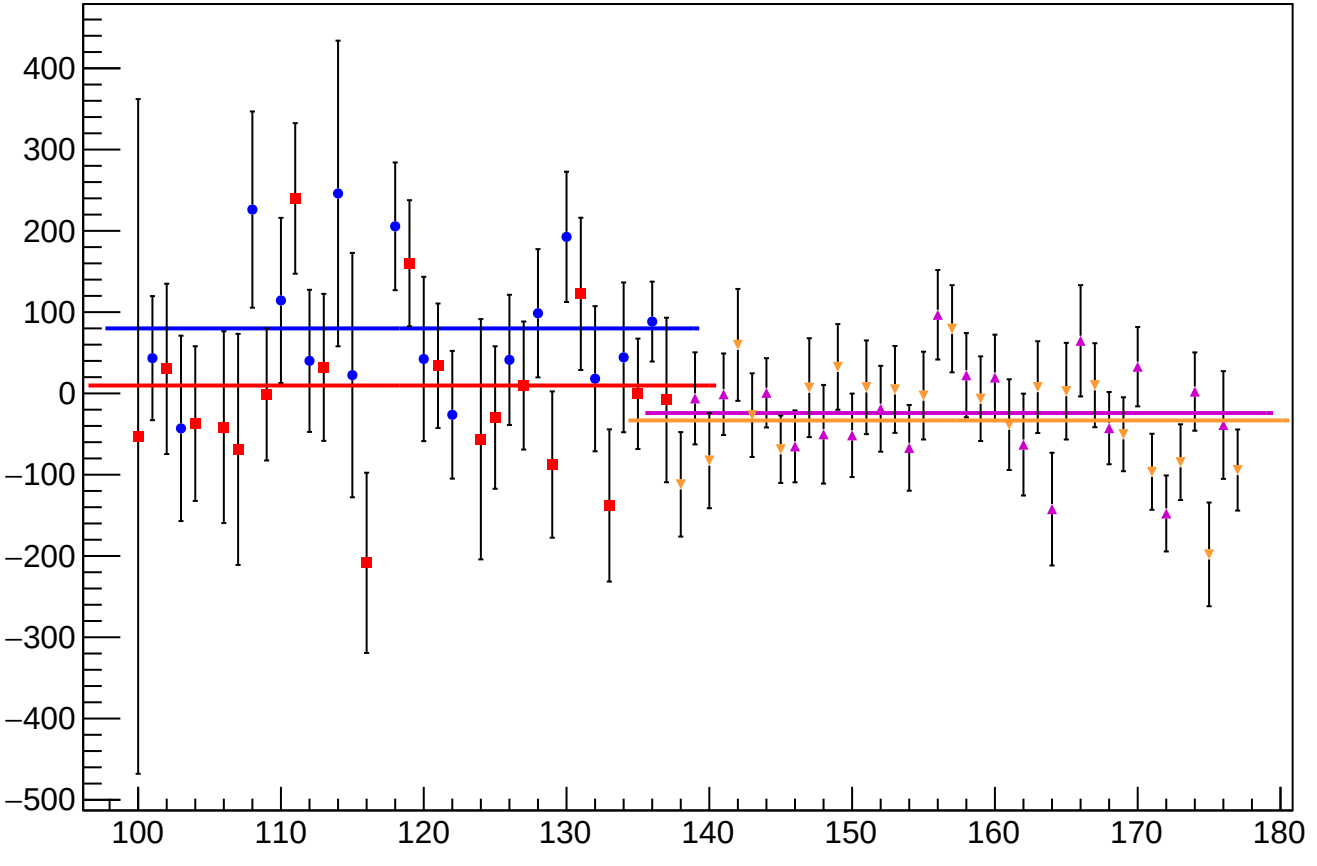
Right: 0.000+/-0.000 χ^2/NDF: 6166556.0/34

In: 0.000+/-0.000 χ^2/NDF:8581946.2/34

Out: 0.000+/-0.000 χ^2/NDF:9773464.5/39

All: 0.000+/-0.000 χ^2/NDF: 18356605.2/74

reg_asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -33.267+/-11.637 χ^2/NDF:25.8/20

Right Out: 9.730+/-21.617 χ^2/NDF: 20.3/18

Left In: -24.145+/-12.022 χ^2/NDF:22.8/18

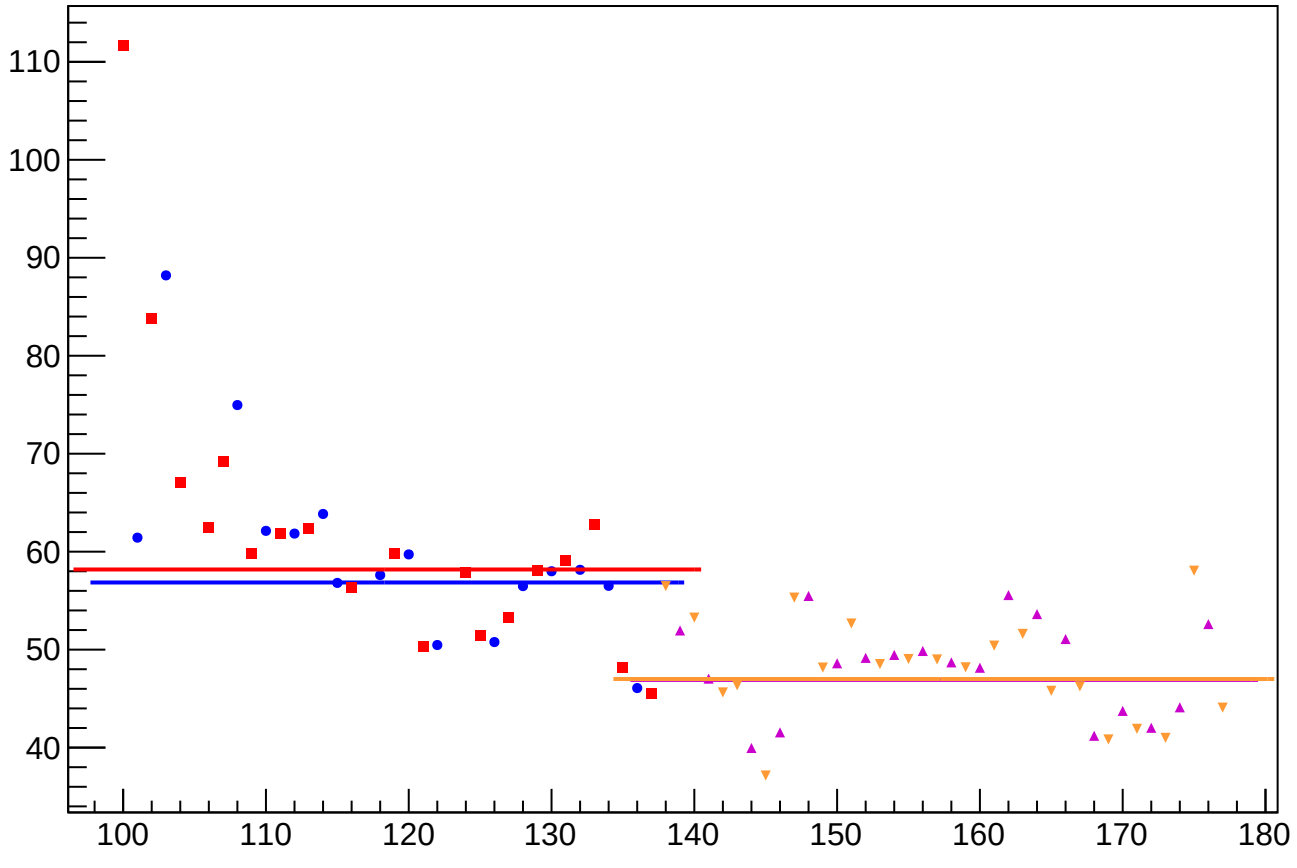
Left: -28.854+/-8.361 χ^2/NDF: 48.9/39

Right: 45.094+/-15.235 χ^2/NDF: 37.2/34

In: 0.705+/-10.490 χ^2/NDF:52.3/34

Out: -23.607+/-10.247 χ^2/NDF:49.2/39

All: -11.736+/-7.330 χ^2/NDF: 104.2/74



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 47.001+/-0.008 χ^2/NDF:428730.9/20

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

Left In: 46.908+/-0.009 χ^2/NDF:307128.0/18

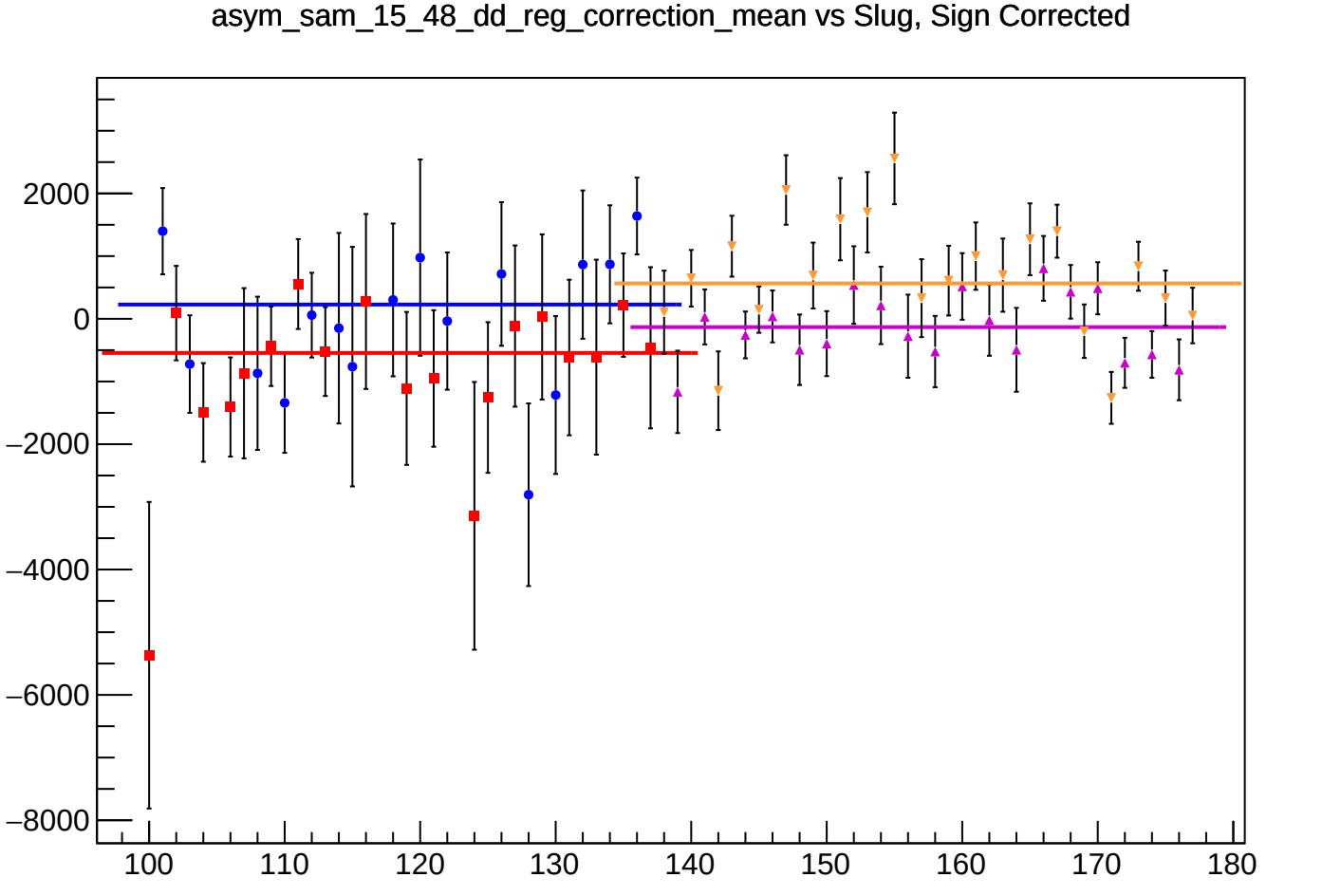
Left: 46.956+/-0.006 χ^2/NDF: 735919.8/39

Right: 57.513+/-0.011 χ^2/NDF: 660056.1/34

In: 49.282+/-0.007 χ^2/NDF:975373.6/34

Out: 49.513+/-0.007 χ^2/NDF:1158210.0/39

All: 49.400+/-0.005 χ^2/NDF: 2134079.8/74



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 564.621+/-109.246 χ^2/NDF:62.1/20

Right Out: -544.769+/-227.243 χ^2/NDF: 13.4/18

Left In: -132.852+/-112.077 χ^2/NDF:20.0/18

Left: 224.807+/-78.230 χ^2/NDF: 101.9/39

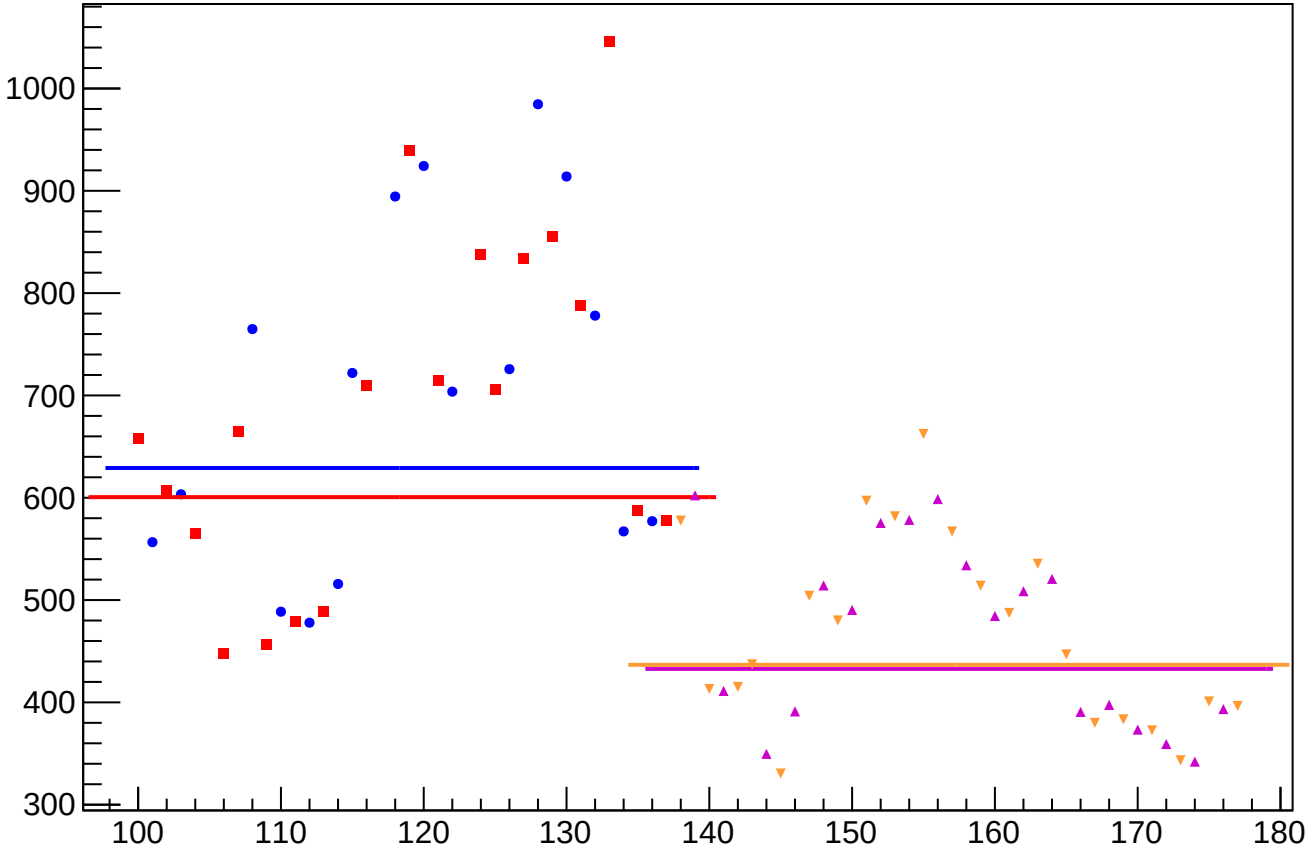
Right: -181.660+/-165.407 χ^2/NDF: 40.4/34

In: -68.872+/-101.642 χ^2/NDF:43.5/34

Out: 356.357+/-98.459 χ^2/NDF:94.8/39

All: 150.506+/-70.720 χ^2/NDF: 147.3/74

asym_sam_15_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 436.710+/-0.077 χ^2/NDF:1181056.4/20

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

Left In: 432.732+/-0.079 χ^2/NDF:1086081.2/18

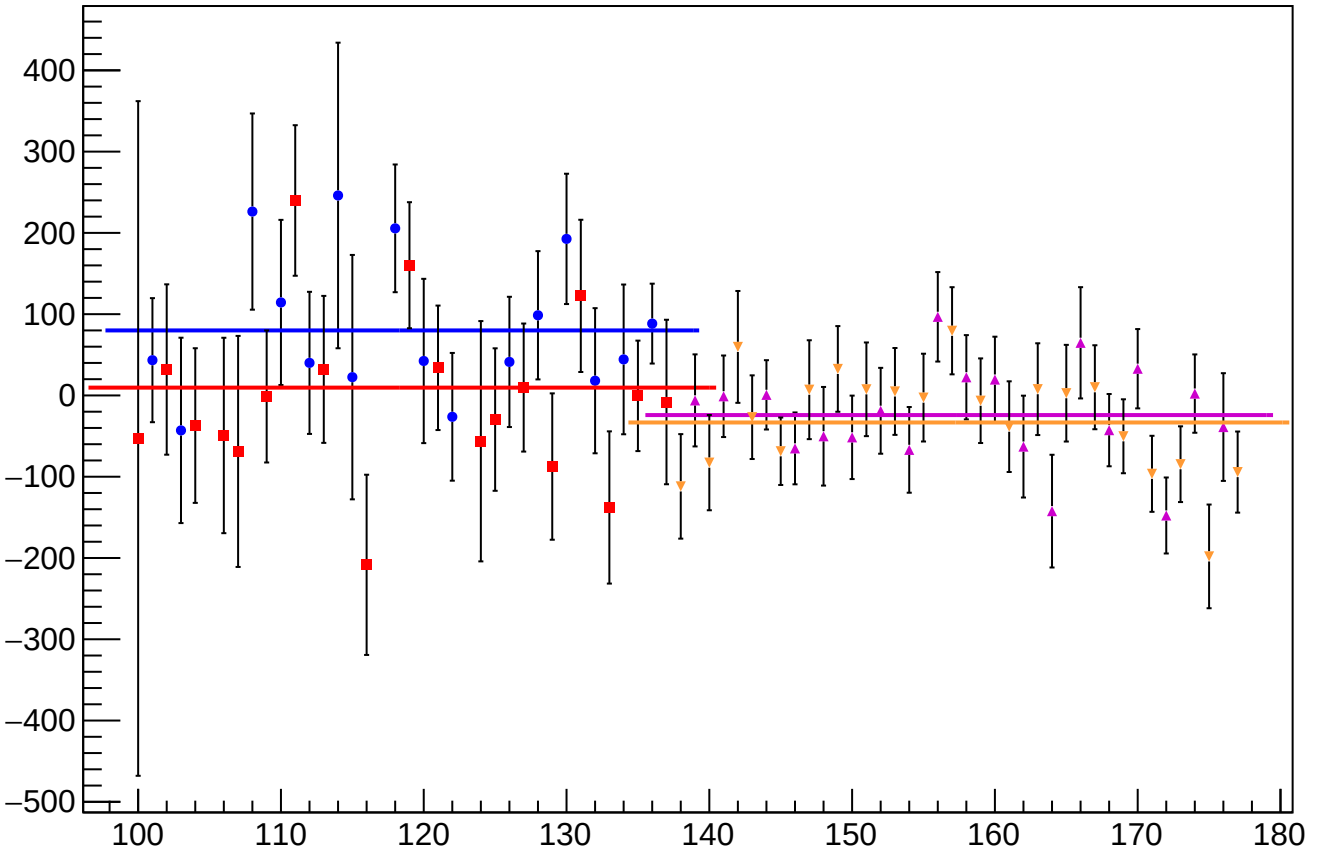
Left: 434.772+/-0.055 χ^2/NDF: 2268429.5/39

Right: 613.994+/-0.117 χ^2/NDF: 1582132.3/34

In: 467.595+/-0.072 χ^2/NDF:2868790.1/34

Out: 467.475+/-0.070 χ^2/NDF:2900601.7/39

All: 467.533+/-0.050 χ^2/NDF: 5769393.2/74



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -33.270+/-11.637 χ^2/NDF:25.8/20

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -24.146+/-12.022 χ^2/NDF:22.8/18

Left: -28.857+/-8.361 χ^2/NDF: 48.9/39

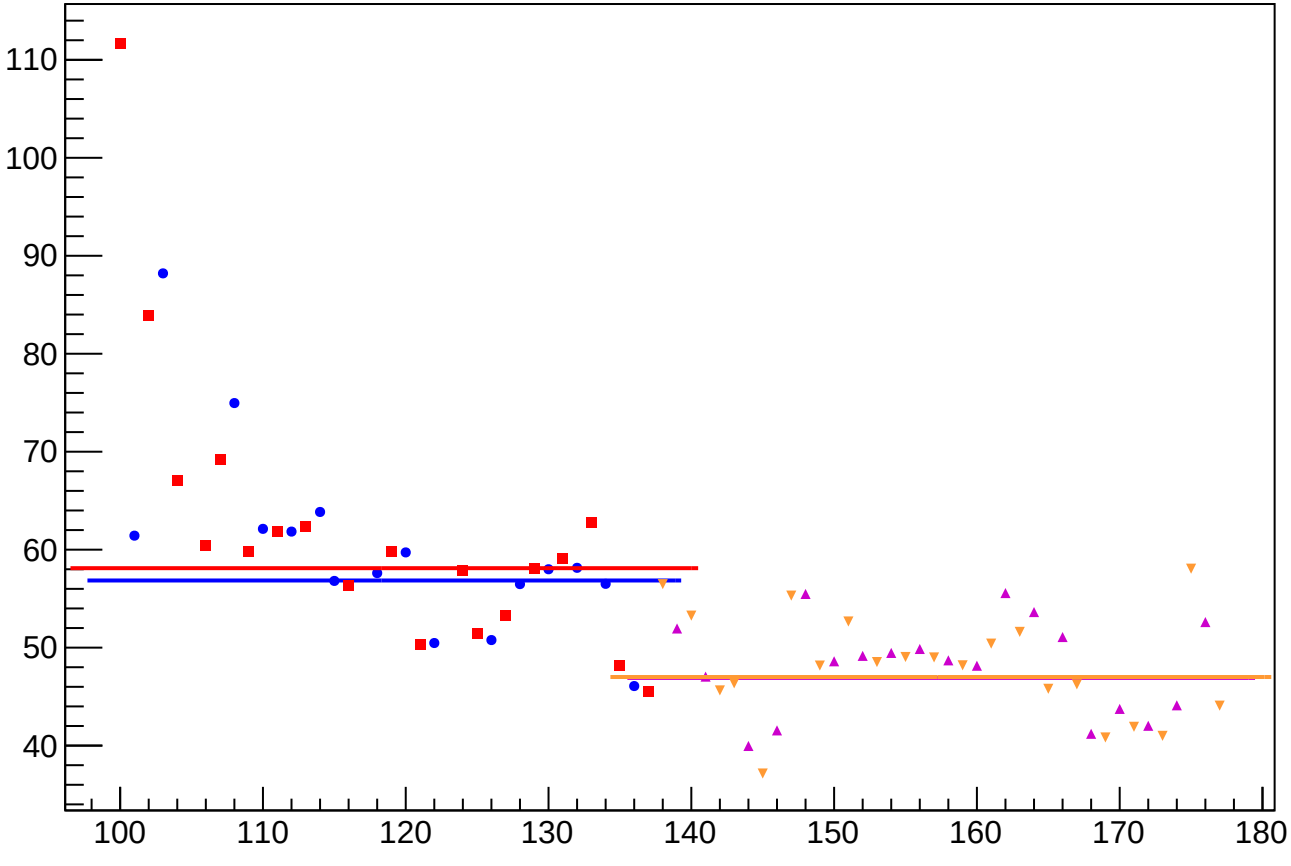
Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 0.706+/-10.490 χ^2/NDF:52.3/34

Out: -23.643+/-10.248 χ^2/NDF:49.2/39

All: -11.753+/-7.331 χ^2/NDF: 104.2/74

cor_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.001+/-0.008 χ^2/NDF:428730.9/20

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 46.908+/-0.009 χ^2/NDF:307128.0/18

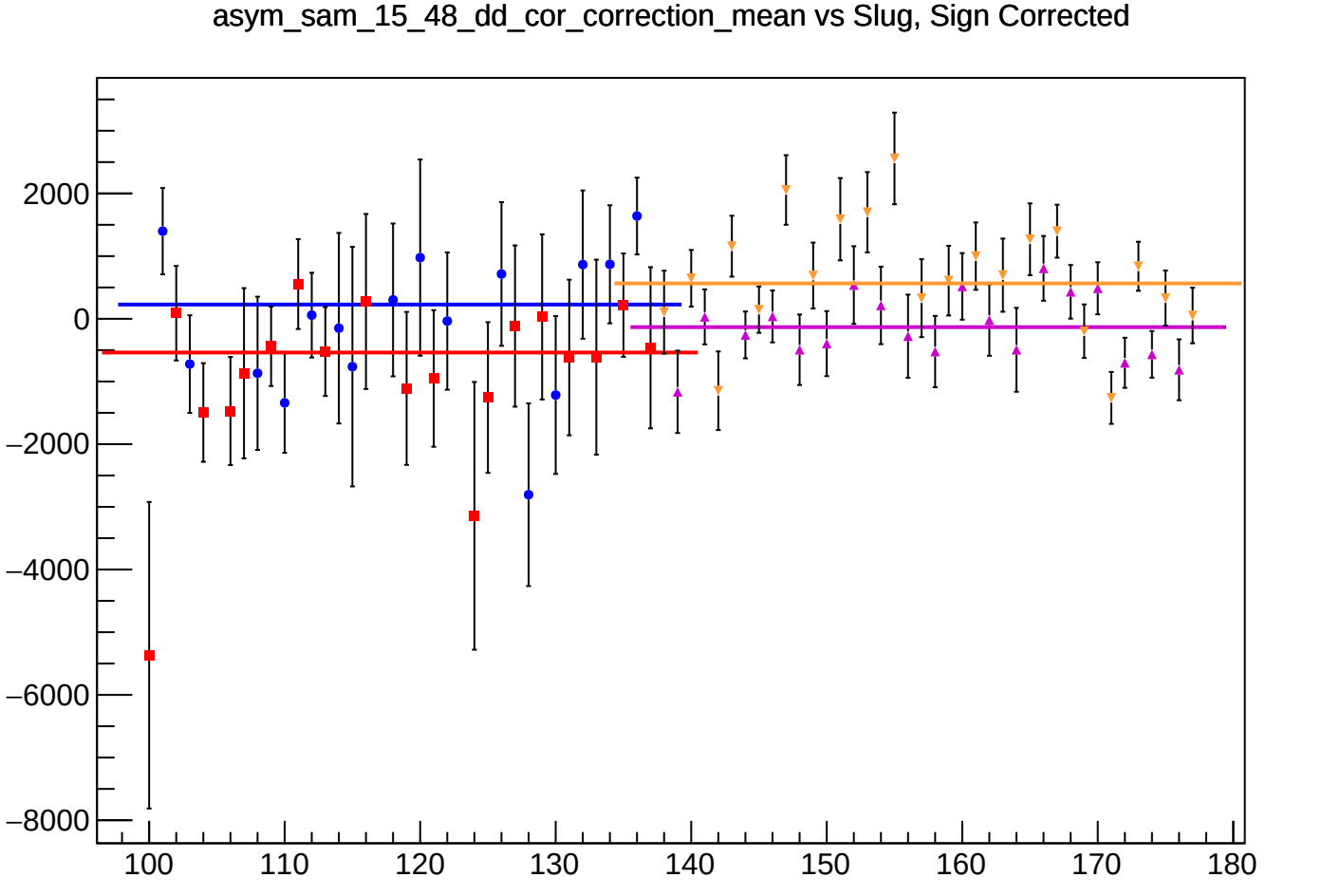
Left: 46.956+/-0.006 χ^2/NDF: 735919.8/39

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 49.282+/-0.007 χ^2/NDF:975377.6/34

Out: 49.494+/-0.007 χ^2/NDF:1150857.7/39

All: 49.391+/-0.005 χ^2/NDF: 2126655.8/74



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 564.618+/-109.245 χ^2/NDF:62.1/20

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -132.855+/-112.077 χ^2/NDF:20.0/18

Left: 224.804+/-78.230 χ^2/NDF: 101.9/39

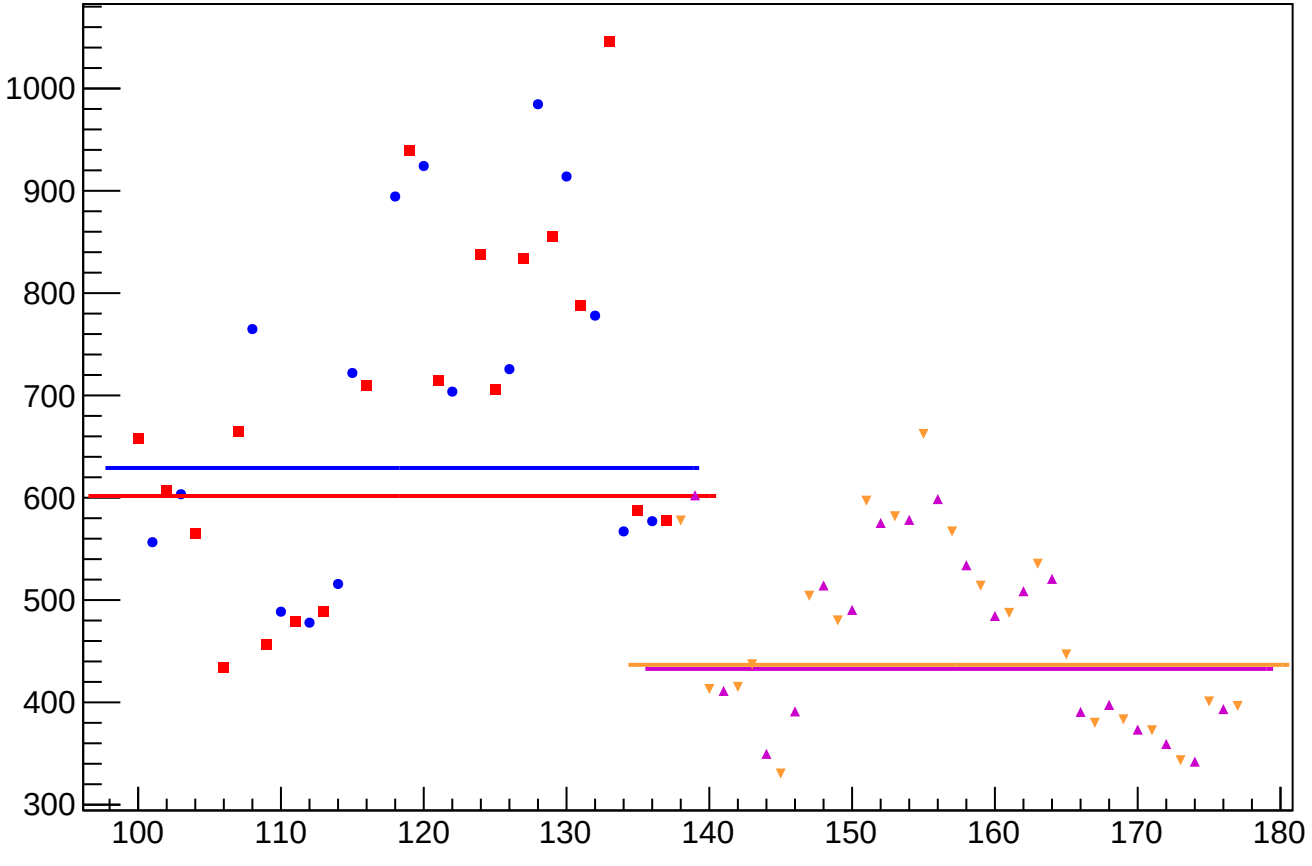
Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -68.869+/-101.642 χ^2/NDF:43.5/34

Out: 359.824+/-98.581 χ^2/NDF:94.3/39

All: 152.031+/-70.765 χ^2/NDF: 147.0/74

asym_sam_15_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 436.710+/-0.077 χ^2/NDF:1181056.6/20

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 432.732+/-0.079 χ^2/NDF:1086080.7/18

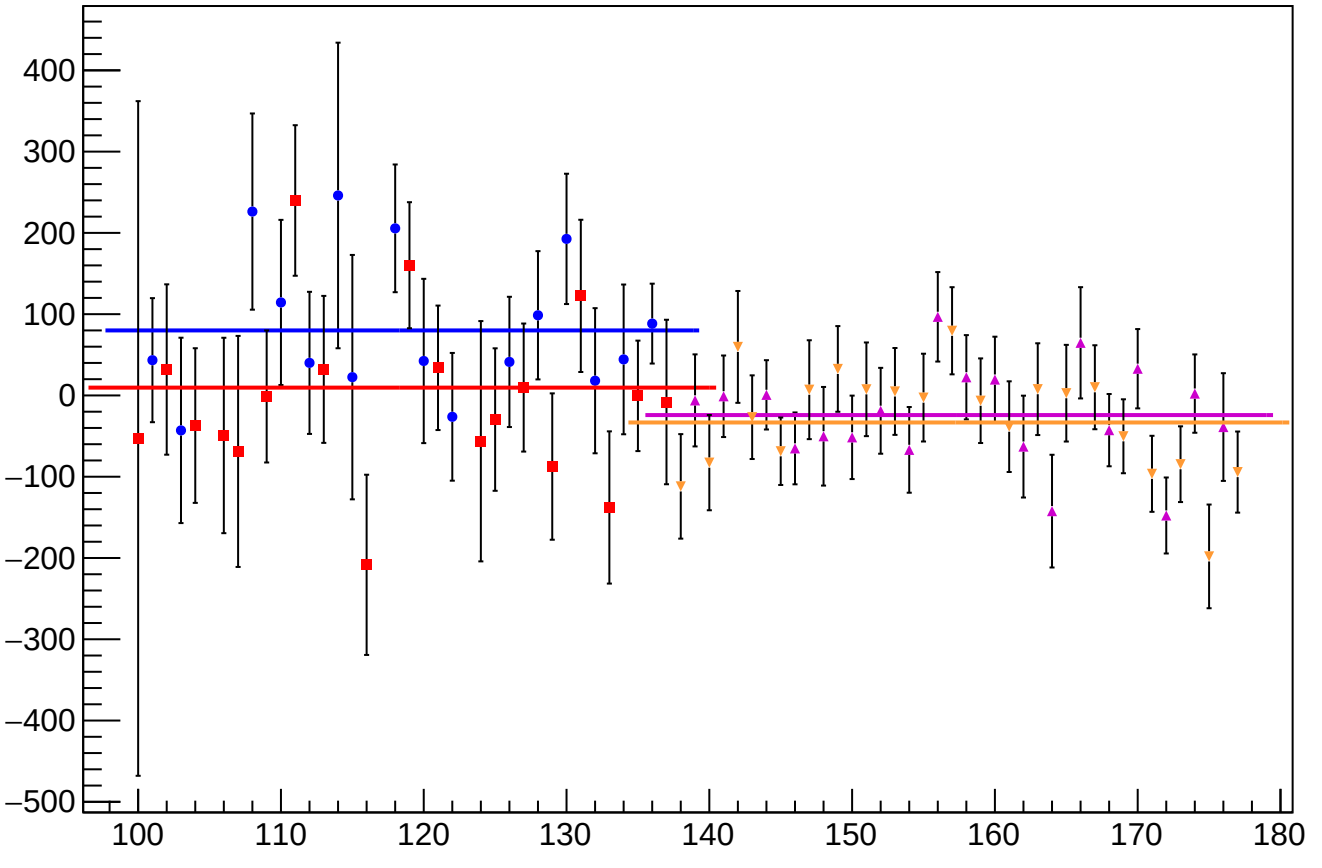
Left: 434.772+/-0.055 χ^2/NDF: 2268428.9/39

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 467.596+/-0.072 χ^2/NDF:2868819.8/34

Out: 467.355+/-0.070 χ^2/NDF:2902509.0/39

All: 467.472+/-0.050 χ^2/NDF: 5771334.6/74



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -33.270+/-11.637 χ^2/NDF:25.8/20

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -24.146+/-12.022 χ^2/NDF:22.8/18

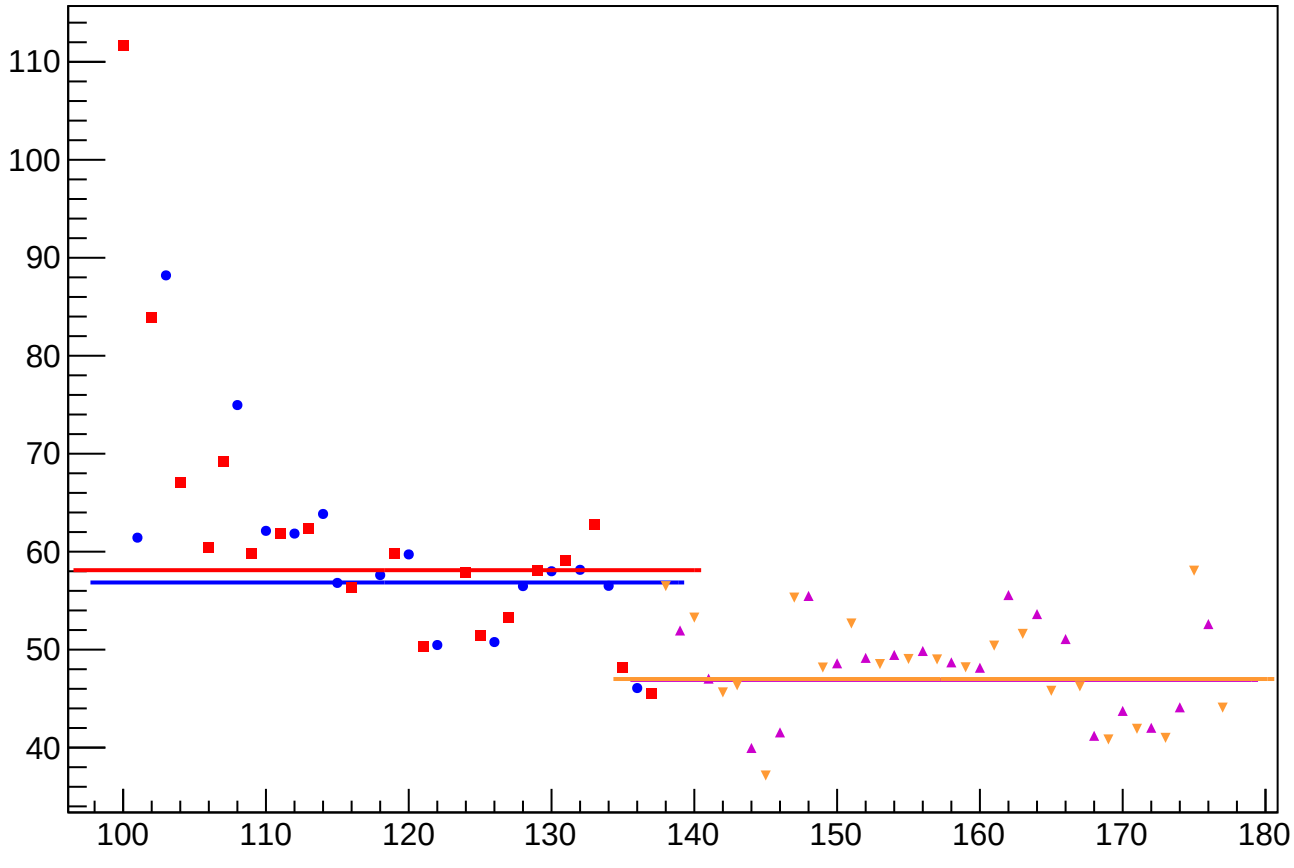
Left: -28.857+/-8.361 χ^2/NDF: 48.9/39

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 0.706+/-10.490 χ^2/NDF:52.3/34

Out: -23.643+/-10.248 χ^2/NDF:49.2/39

All: -11.753+/-7.331 χ^2/NDF: 104.2/74



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.001+/-0.008 χ^2/NDF:428730.9/20

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 46.908+/-0.009 χ^2/NDF:307128.0/18

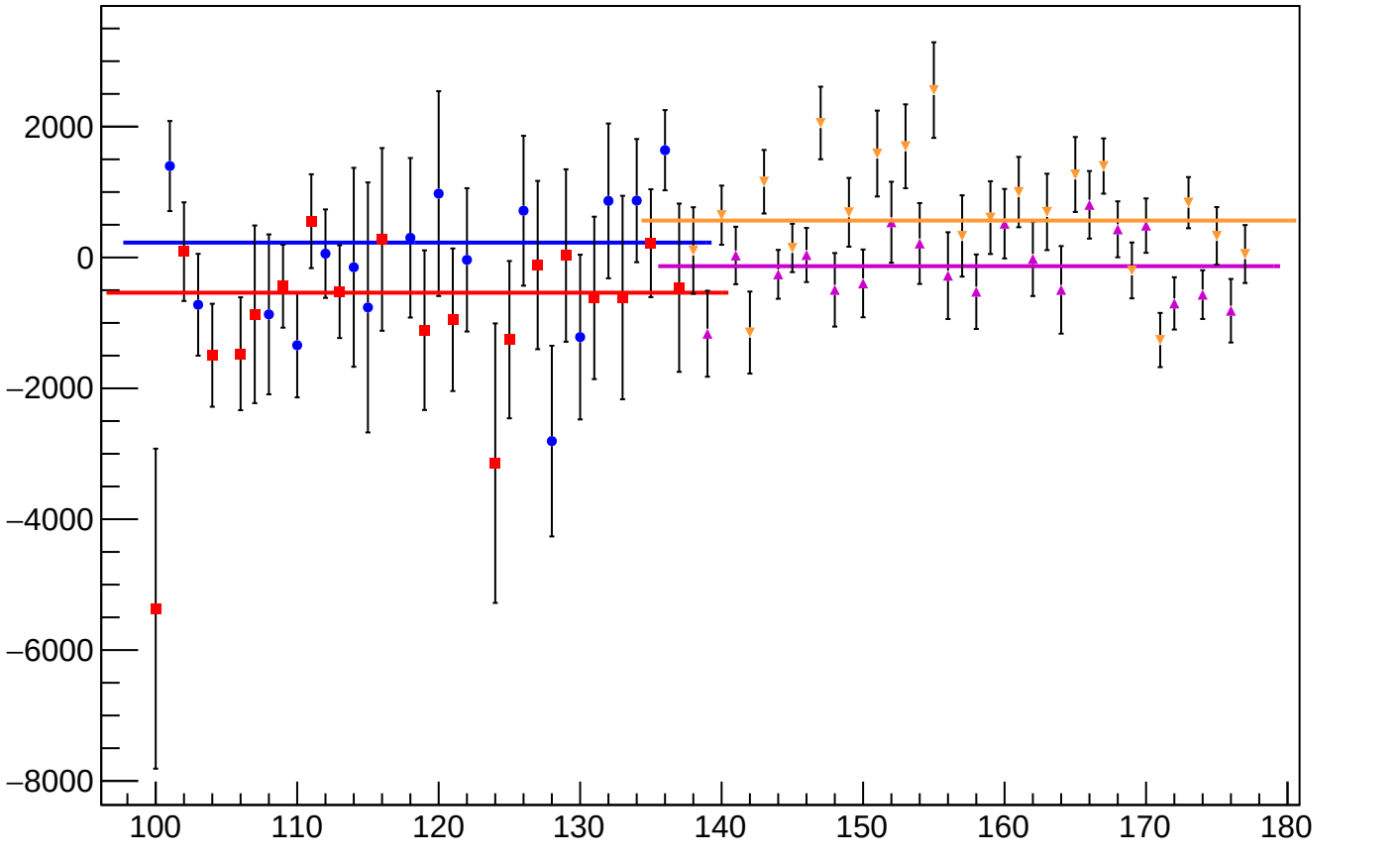
Left: 46.956+/-0.006 χ^2/NDF: 735919.8/39

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 49.282+/-0.007 χ^2/NDF:975377.6/34

Out: 49.494+/-0.007 χ^2/NDF:1150857.7/39

All: 49.391+/-0.005 χ^2/NDF: 2126655.8/74



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 564.618+/-109.245 χ^2/NDF:62.1/20

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -132.855+/-112.077 χ^2/NDF:20.0/18

Left: 224.804+/-78.230 χ^2/NDF: 101.9/39

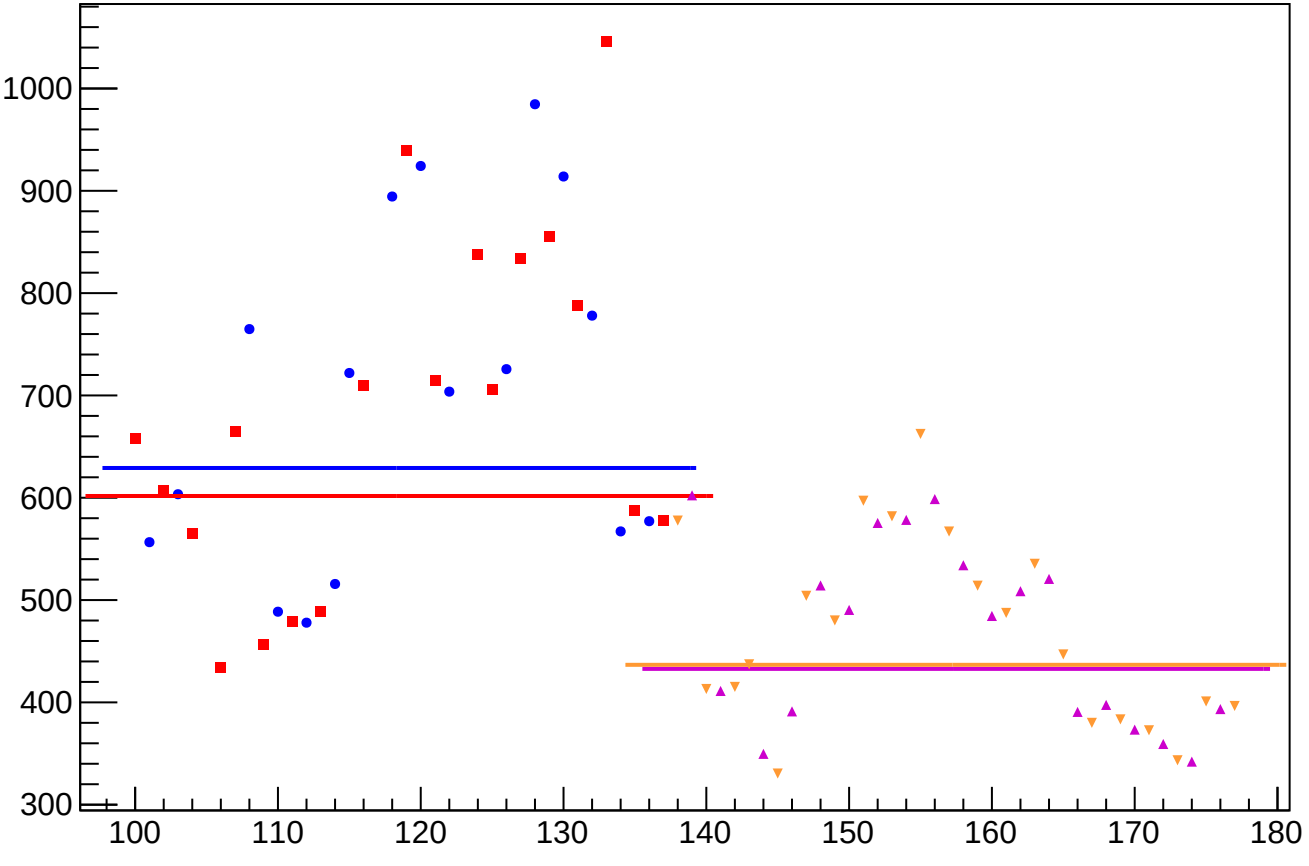
Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -68.869+/-101.642 χ^2/NDF:43.5/34

Out: 359.824+/-98.581 χ^2/NDF:94.3/39

All: 152.031+/-70.765 χ^2/NDF: 147.0/74

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: 436.710+/-0.077 χ^2/NDF:1181056.6/20

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 432.732+/-0.079 χ^2/NDF:1086080.7/18

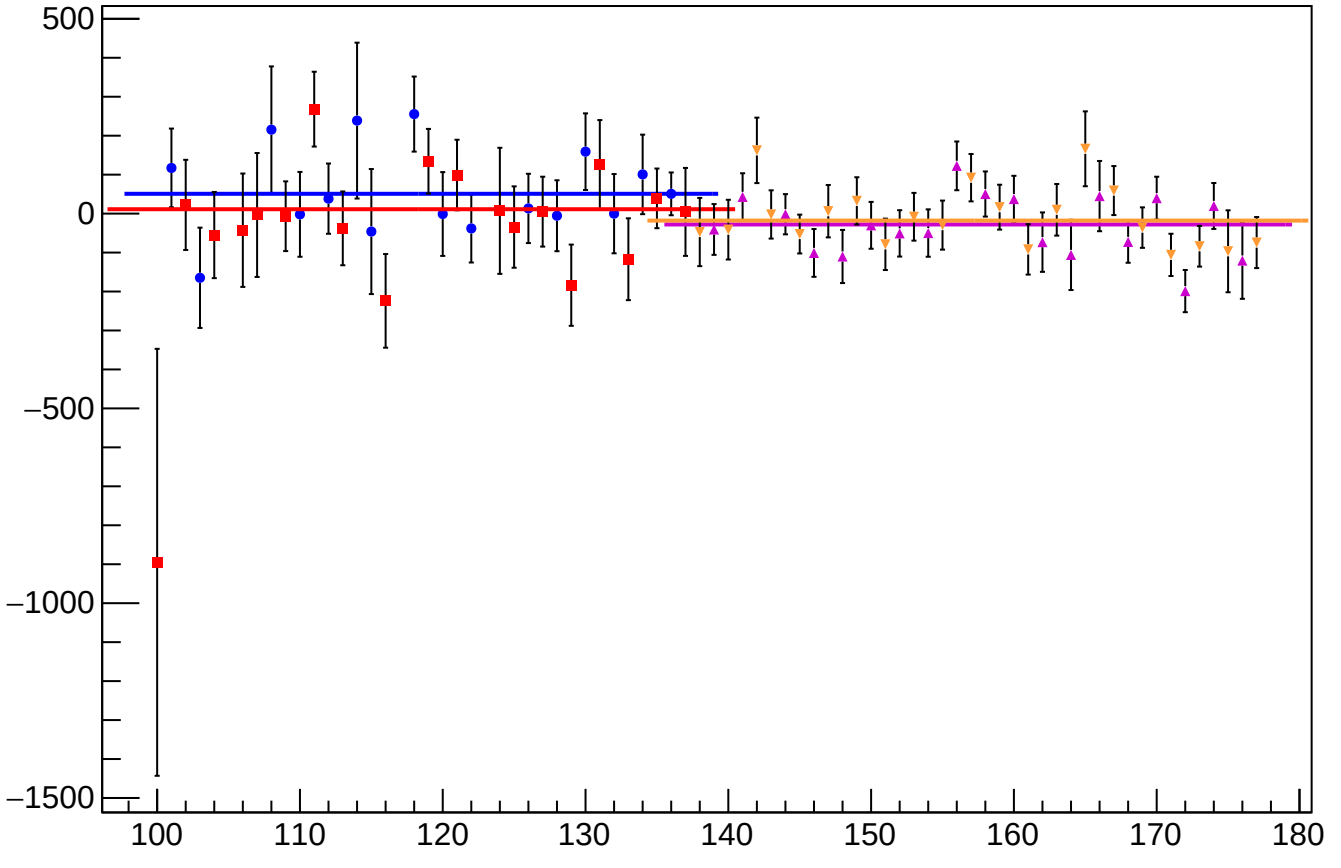
Left: 434.772+/-0.055 χ^2/NDF: 2268428.9/39

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 467.596+/-0.072 χ^2/NDF:2868819.8/34

Out: 467.355+/-0.070 χ^2/NDF:2902509.0/39

All: 467.472+/-0.050 χ^2/NDF: 5771334.6/74



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: -17.929+/-13.938 χ^2/NDF:23.0/20

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -27.883+/-14.348 χ^2/NDF:29.1/18

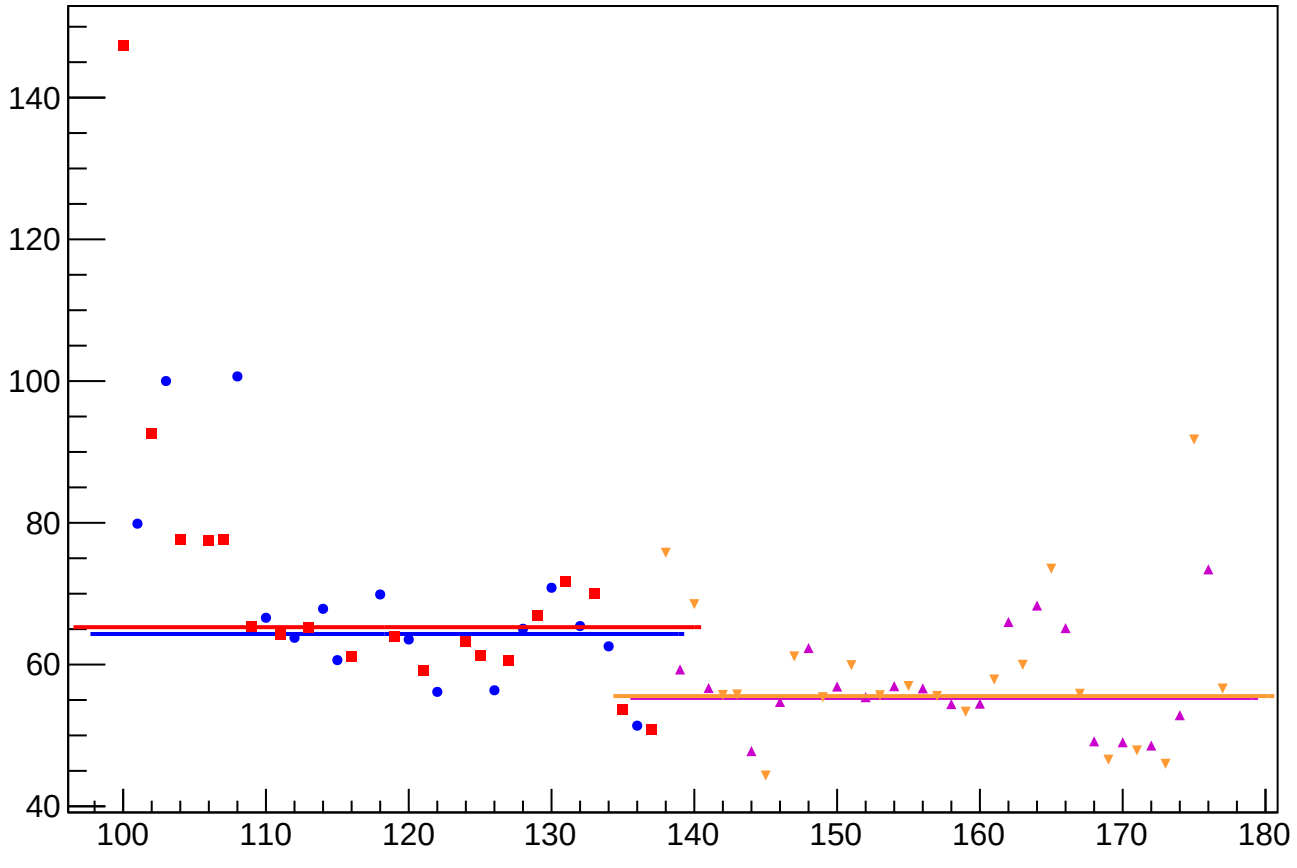
Left: -22.761+/-9.998 χ^2/NDF: 52.4/39

Right: 30.925+/-17.259 χ^2/NDF: 39.1/34

In: -7.763+/-12.380 χ^2/NDF:50.6/34

Out: -10.714+/-12.093 χ^2/NDF:48.1/39

All: -9.273+/-8.651 χ^2/NDF: 98.8/74



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 55.552+/-0.010 χ^2/NDF:777424.8/20

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

Left In: 55.293+/-0.010 χ^2/NDF:336852.2/18

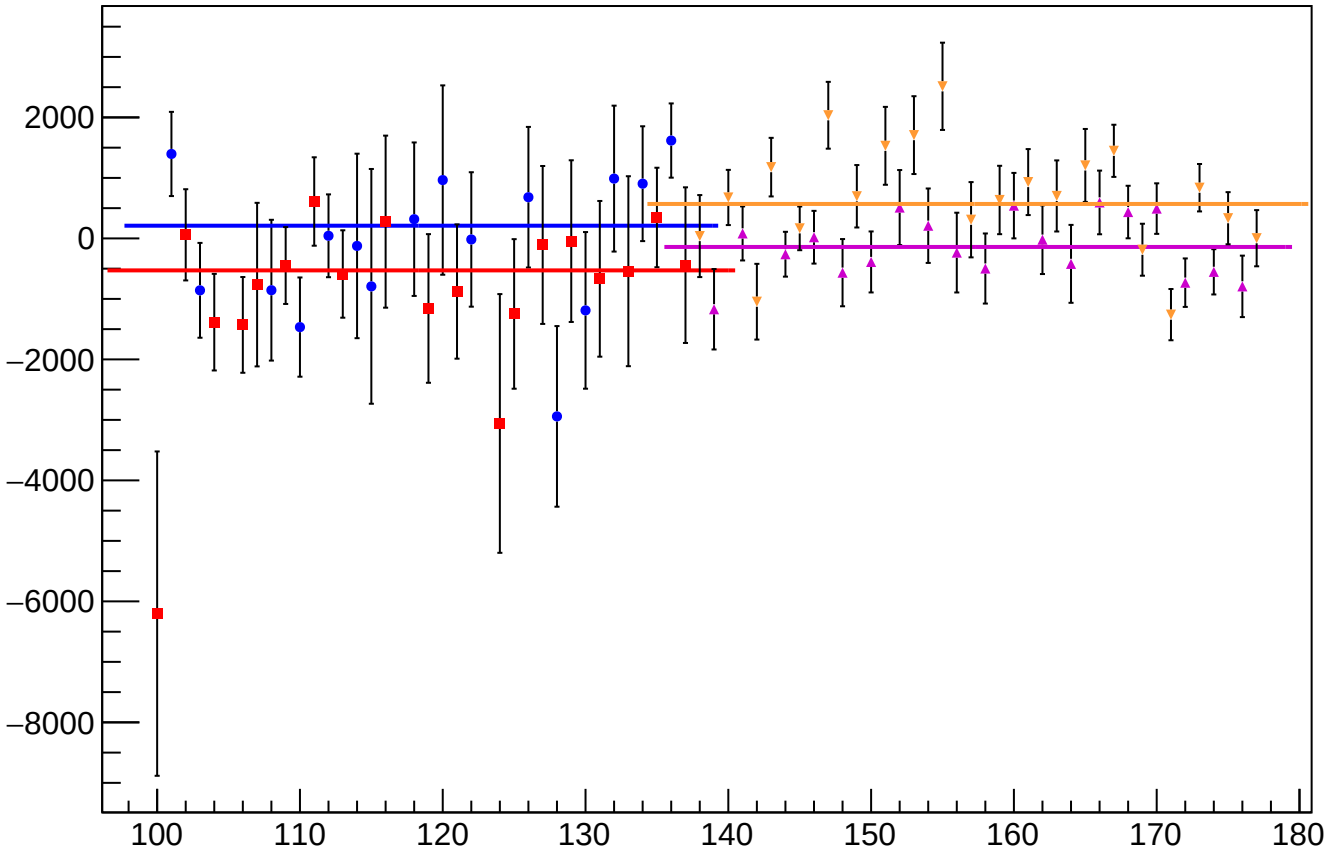
Left: 55.426+/-0.007 χ^2/NDF: 1114610.9/39

Right: 64.800+/-0.012 χ^2/NDF: 785637.7/34

In: 57.599+/-0.009 χ^2/NDF:1003928.5/34

Out: 57.956+/-0.009 χ^2/NDF:1337275.9/39

All: 57.781+/-0.006 χ^2/NDF: 2342054.4/74



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 569.476+/-109.855 χ^2/NDF:59.9/20

Right Out: -528.675+/-229.679 χ^2/NDF: 13.8/18

Left In: -141.252+/-112.989 χ^2/NDF:18.4/18

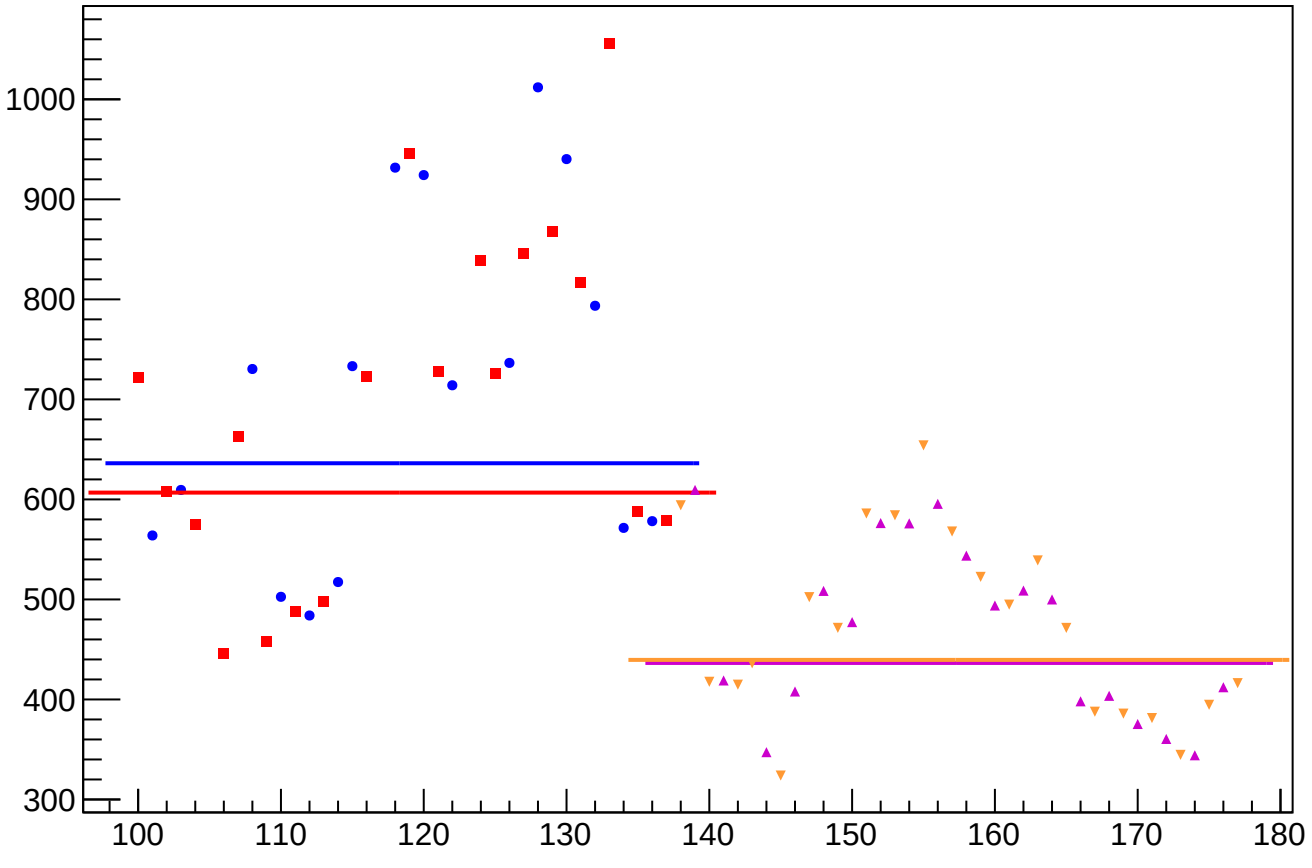
Left: 224.107+/-78.764 χ^2/NDF: 98.6/39

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -79.143+/-102.515 χ^2/NDF:42.6/34

Out: 365.025+/-99.103 χ^2/NDF:92.3/39

All: 150.456+/-71.252 χ^2/NDF: 144.5/74



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 439.550+/-0.078 χ^2/NDF:1184779.7/20

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

Left In: 436.503+/-0.080 χ^2/NDF:1036639.6/18

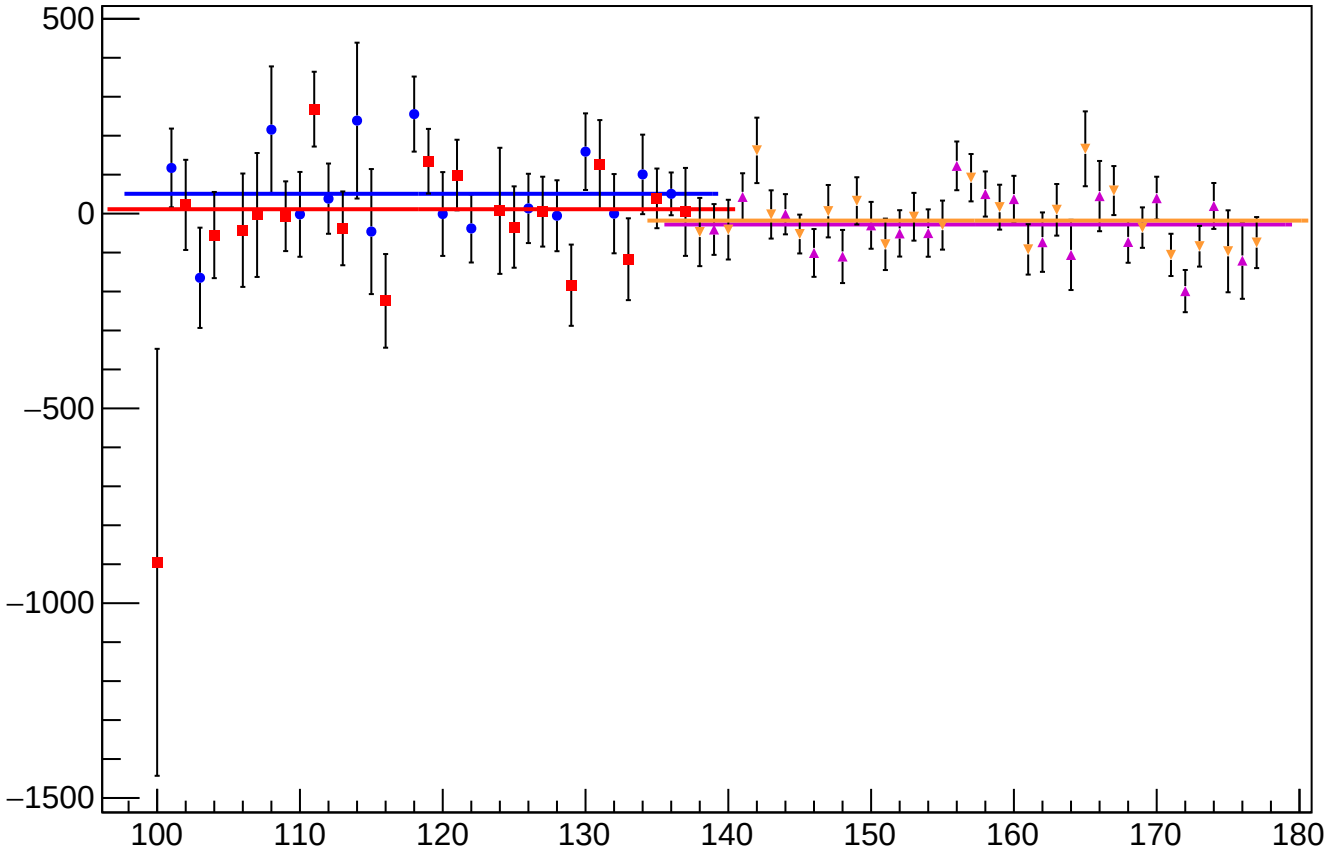
Left: 438.069+/-0.056 χ^2/NDF: 2222167.3/39

Right: 620.599+/-0.118 χ^2/NDF: 1614464.0/34

In: 471.802+/-0.072 χ^2/NDF:2845881.8/34

Out: 470.689+/-0.070 χ^2/NDF:2941762.8/39

All: 471.227+/-0.050 χ^2/NDF: 5787766.4/74



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: -17.929+/-13.938 χ^2/NDF:23.0/20

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -27.882+/-14.348 χ^2/NDF:29.1/18

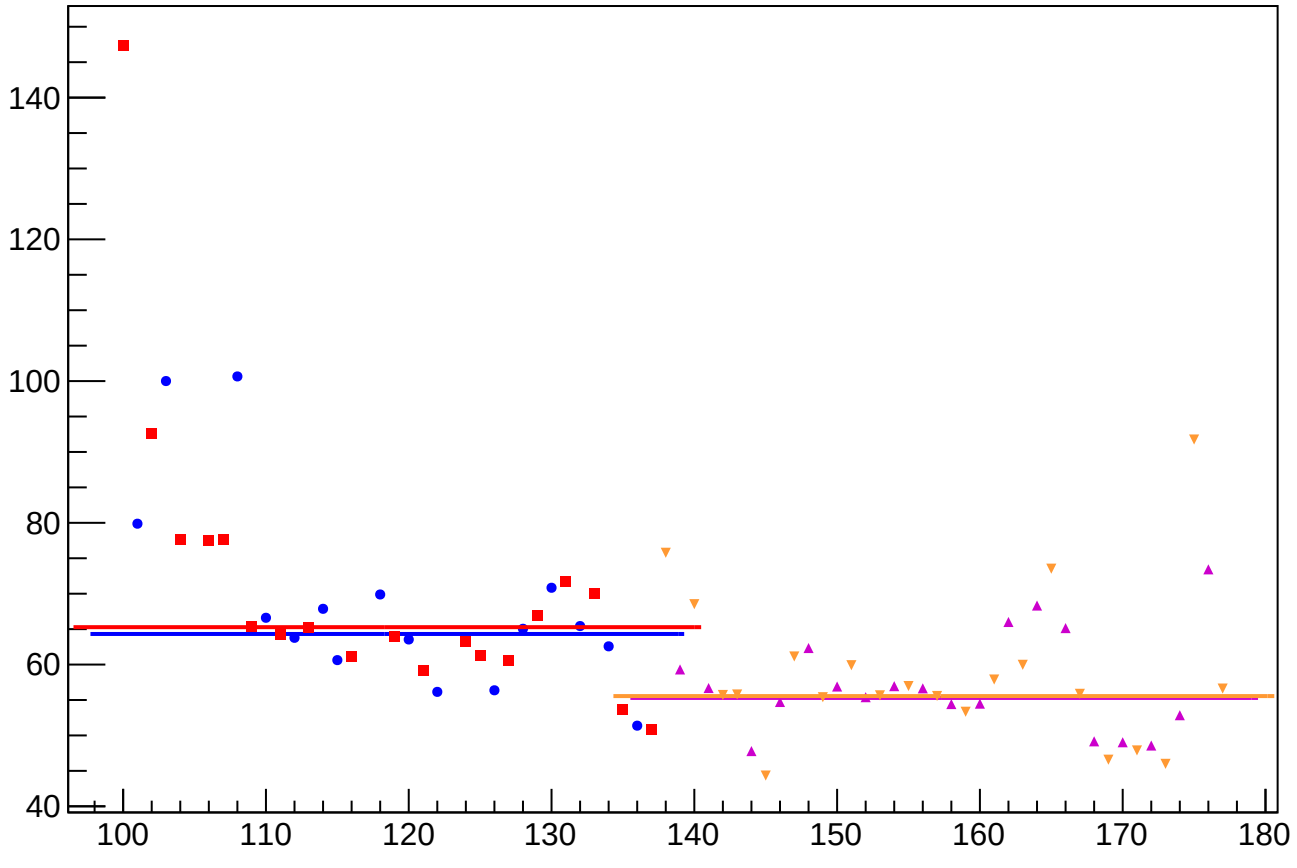
Left: -22.762+/-9.998 χ^2/NDF: 52.4/39

Right: 30.924+/-17.259 χ^2/NDF: 39.1/34

In: -7.763+/-12.380 χ^2/NDF:50.6/34

Out: -10.714+/-12.093 χ^2/NDF:48.1/39

All: -9.273+/-8.651 χ^2/NDF: 98.7/74



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 55.552+/-0.010 χ^2/NDF:777413.0/20

Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 55.293+/-0.010 χ^2/NDF:336849.2/18

Left: 55.426+/-0.007 χ^2/NDF: 1114596.2/39

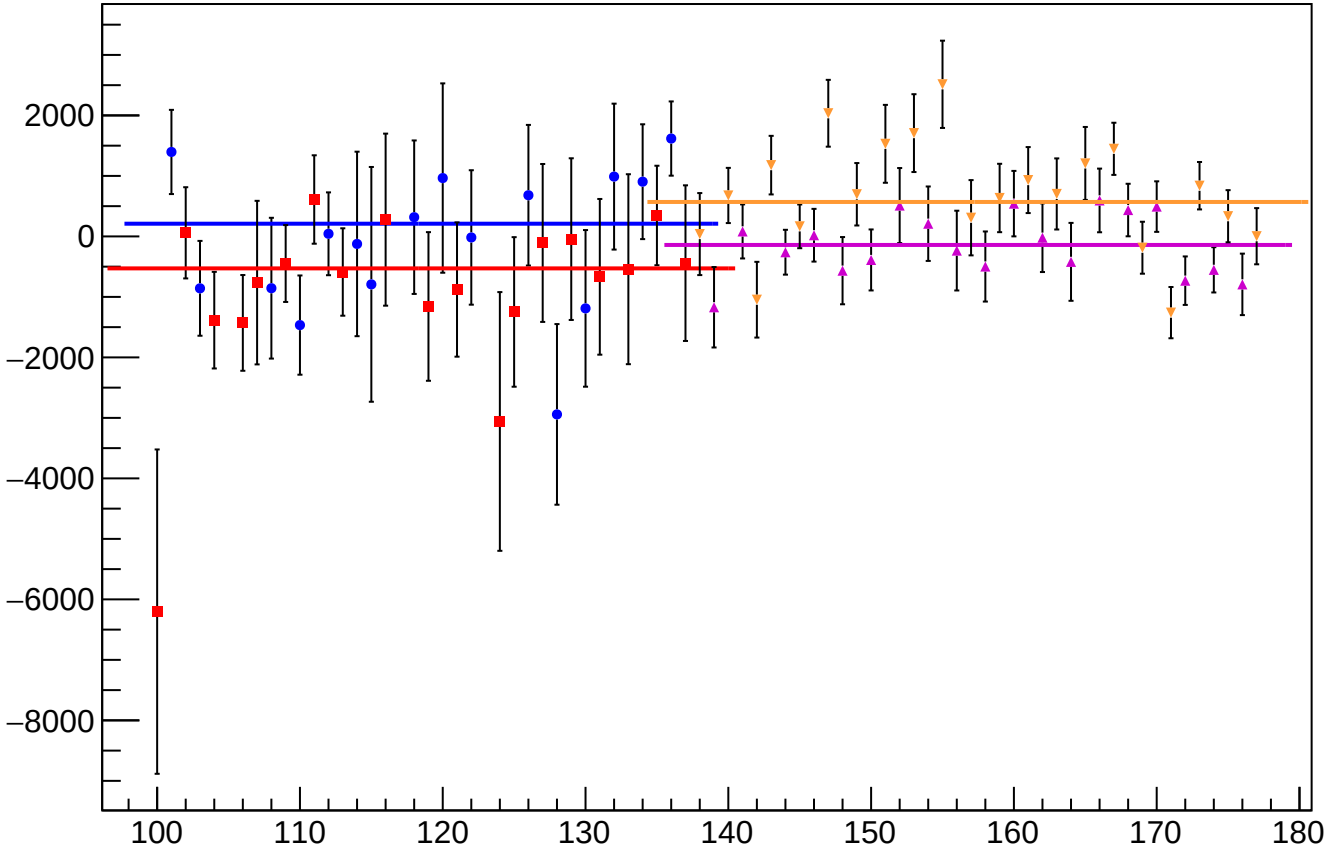
Right: 64.800+/-0.012 χ^2/NDF: 785639.3/34

In: 57.599+/-0.009 χ^2/NDF:1003917.5/34

Out: 57.956+/-0.009 χ^2/NDF:1337255.2/39

All: 57.781+/-0.006 χ^2/NDF: 2342022.9/74

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: 569.476+/-109.855 χ^2/NDF:59.9/20

Right Out: -528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: -141.251+/-112.989 χ^2/NDF:18.4/18

Left: 224.107+/-78.764 χ^2/NDF: 98.6/39

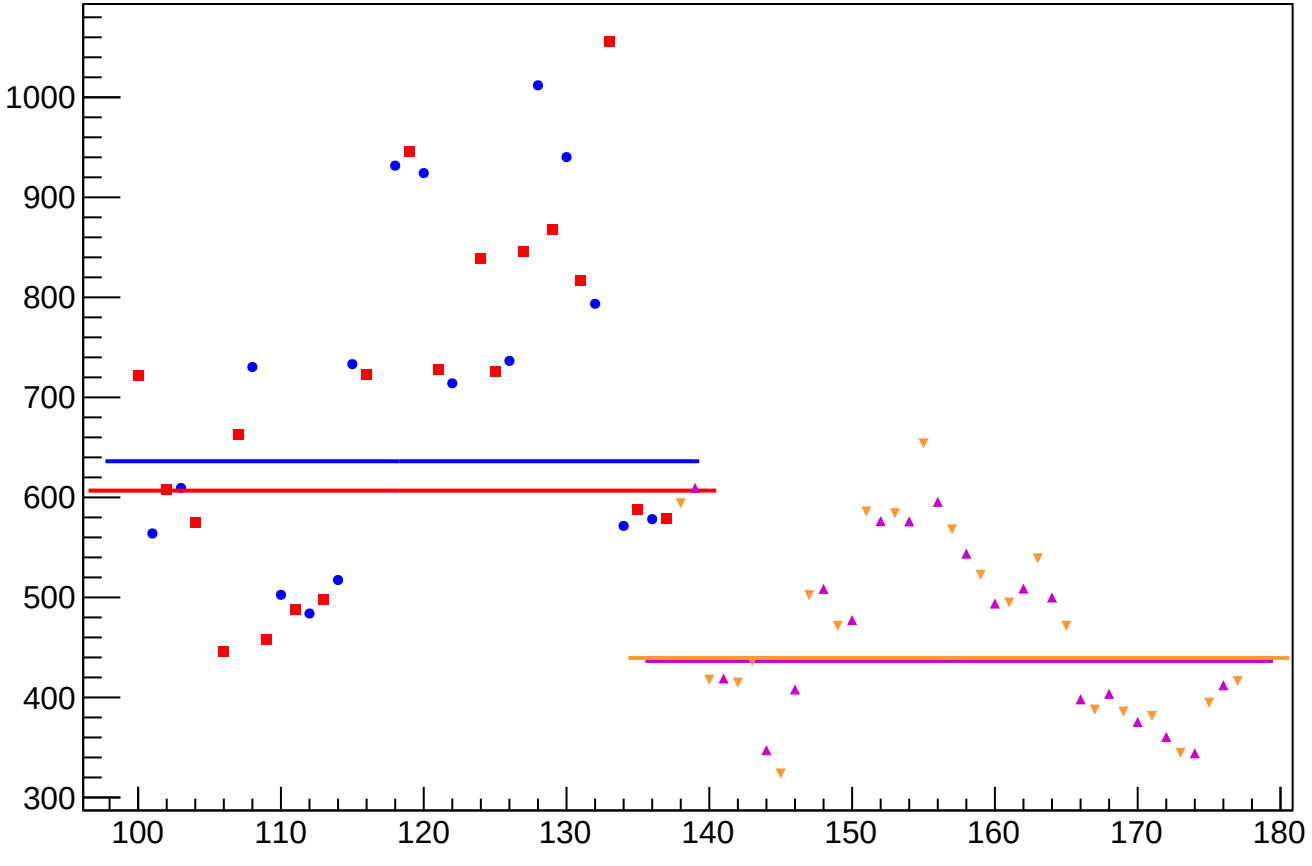
Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -79.142+/-102.515 χ^2/NDF:42.6/34

Out: 365.025+/-99.102 χ^2/NDF:92.3/39

All: 150.456+/-71.252 χ^2/NDF: 144.5/74

asym_sam_15_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 439.549+/-0.078 χ^2/NDF:1184789.1/20

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

Left In: 436.502+/-0.080 χ^2/NDF:1036648.4/18

Left: 438.068+/-0.056 χ^2/NDF: 2222185.6/39

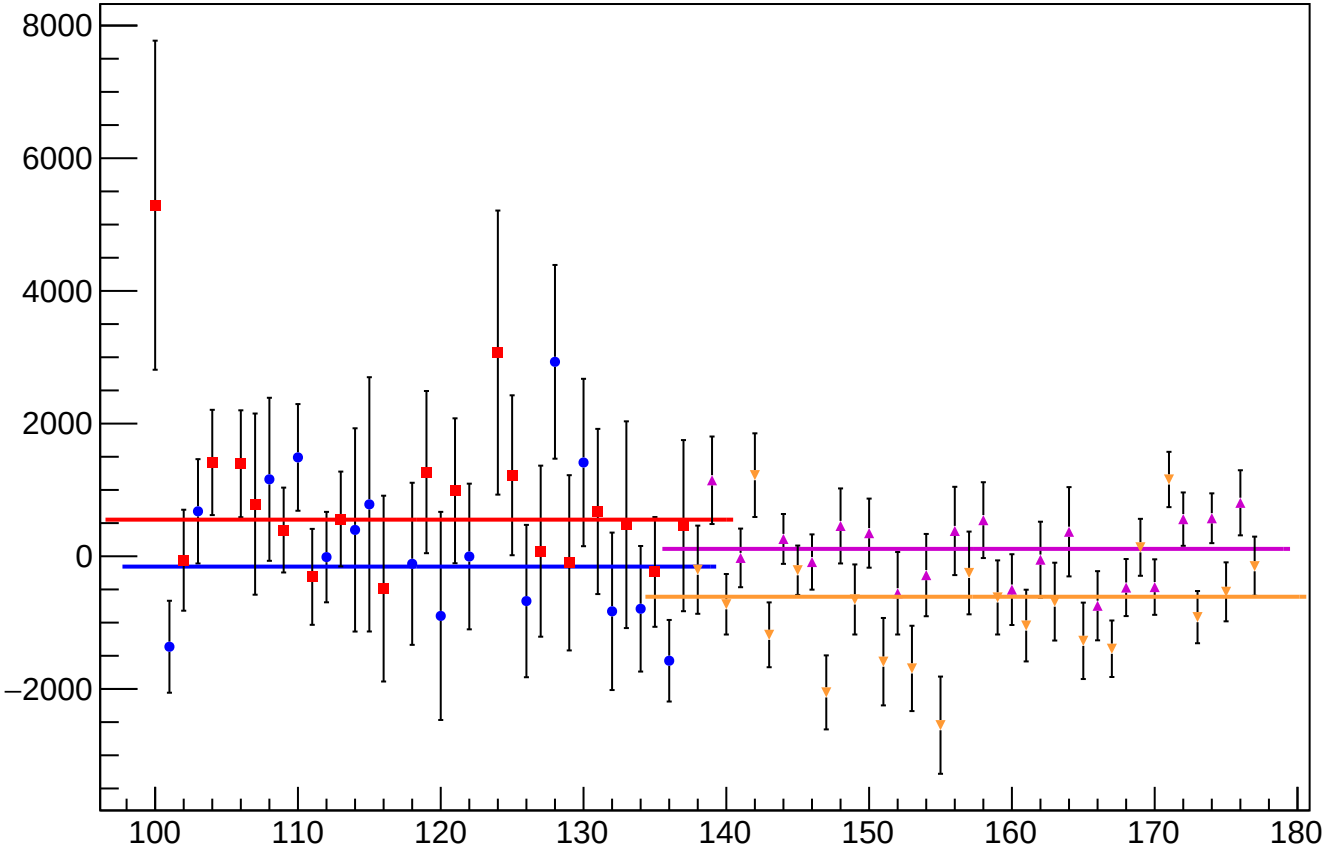
Right: 620.599+/-0.118 χ^2/NDF: 1614469.5/34

In: 471.801+/-0.072 χ^2/NDF:2845900.8/34

Out: 470.688+/-0.070 χ^2/NDF:2941779.2/39

All: 471.226+/-0.050 χ^2/NDF: 5787801.9/74

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -610.022+/-109.937 χ^2/NDF:58.5/20

Right Out: 552.176+/-228.890 χ^2/NDF: 12.1/18

Left In: 111.435+/-112.798 χ^2/NDF:18.6/18

Left: -258.559+/-78.729 χ^2/NDF: 98.1/39

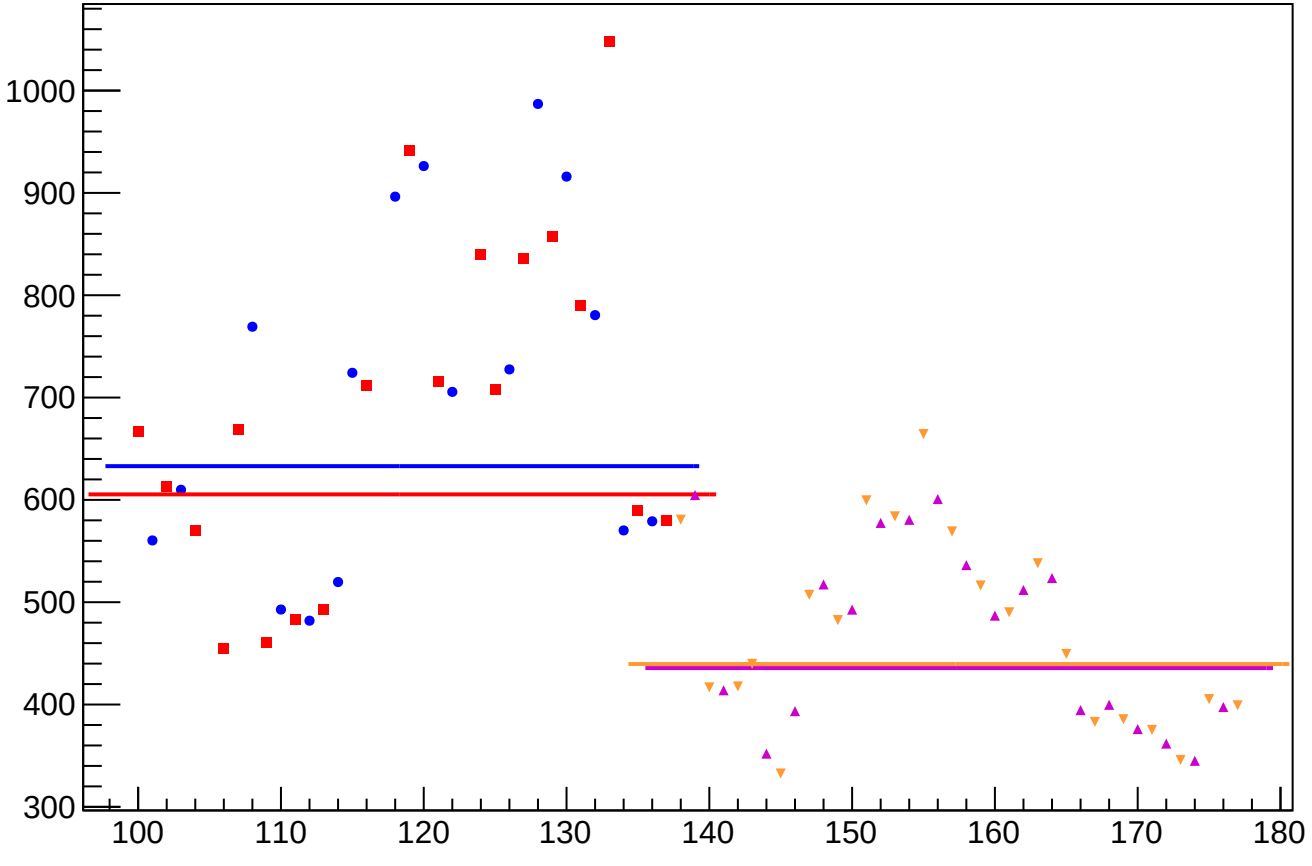
Right: 218.820+/-166.484 χ^2/NDF: 39.1/34

In: 63.958+/-102.282 χ^2/NDF:42.0/34

Out: -392.169+/-99.099 χ^2/NDF:91.6/39

All: -171.314+/-71.172 χ^2/NDF: 143.9/74

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 439.580+/-0.078 χ^2/NDF:1167095.8/20

Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 435.627+/-0.080 χ^2/NDF:1071322.6/18

Left: 437.654+/-0.056 χ^2/NDF: 2239677.9/39

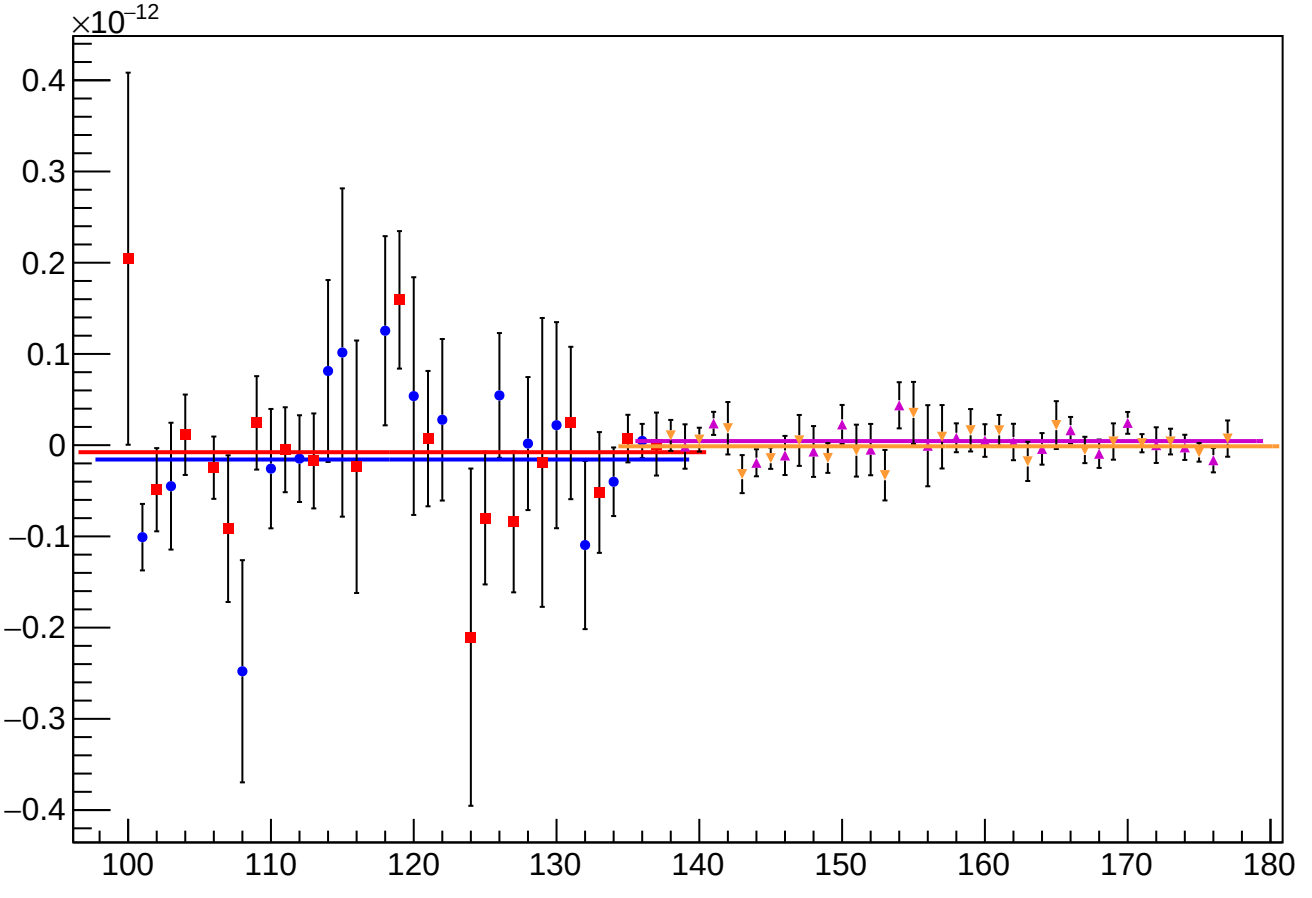
Right: 618.368+/-0.118 χ^2/NDF: 1548821.0/34

In: 470.706+/-0.072 χ^2/NDF:2840616.0/34

Out: 470.658+/-0.070 χ^2/NDF:2873722.1/39

All: 470.681+/-0.050 χ^2/NDF: 5714338.4/74

asym_sam_15_48_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.9/20

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:16.3/18

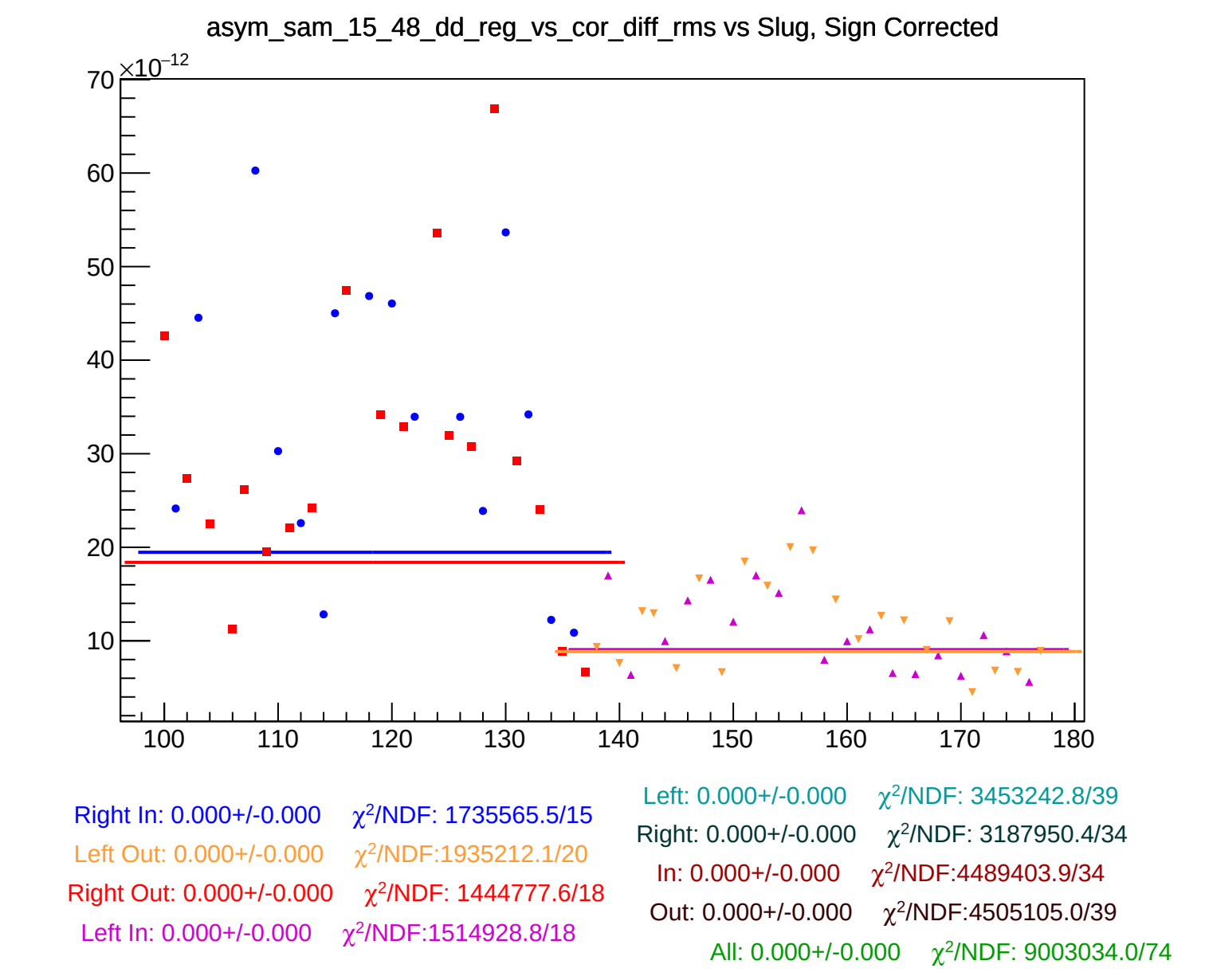
Left: 0.000+/-0.000 χ^2/NDF: 29.3/39

Right: -0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:35.5/34

Out: -0.000+/-0.000 χ^2/NDF:25.2/39

All: 0.000+/-0.000 χ^2/NDF: 61.4/74


asym_sam_15_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻¹²
70
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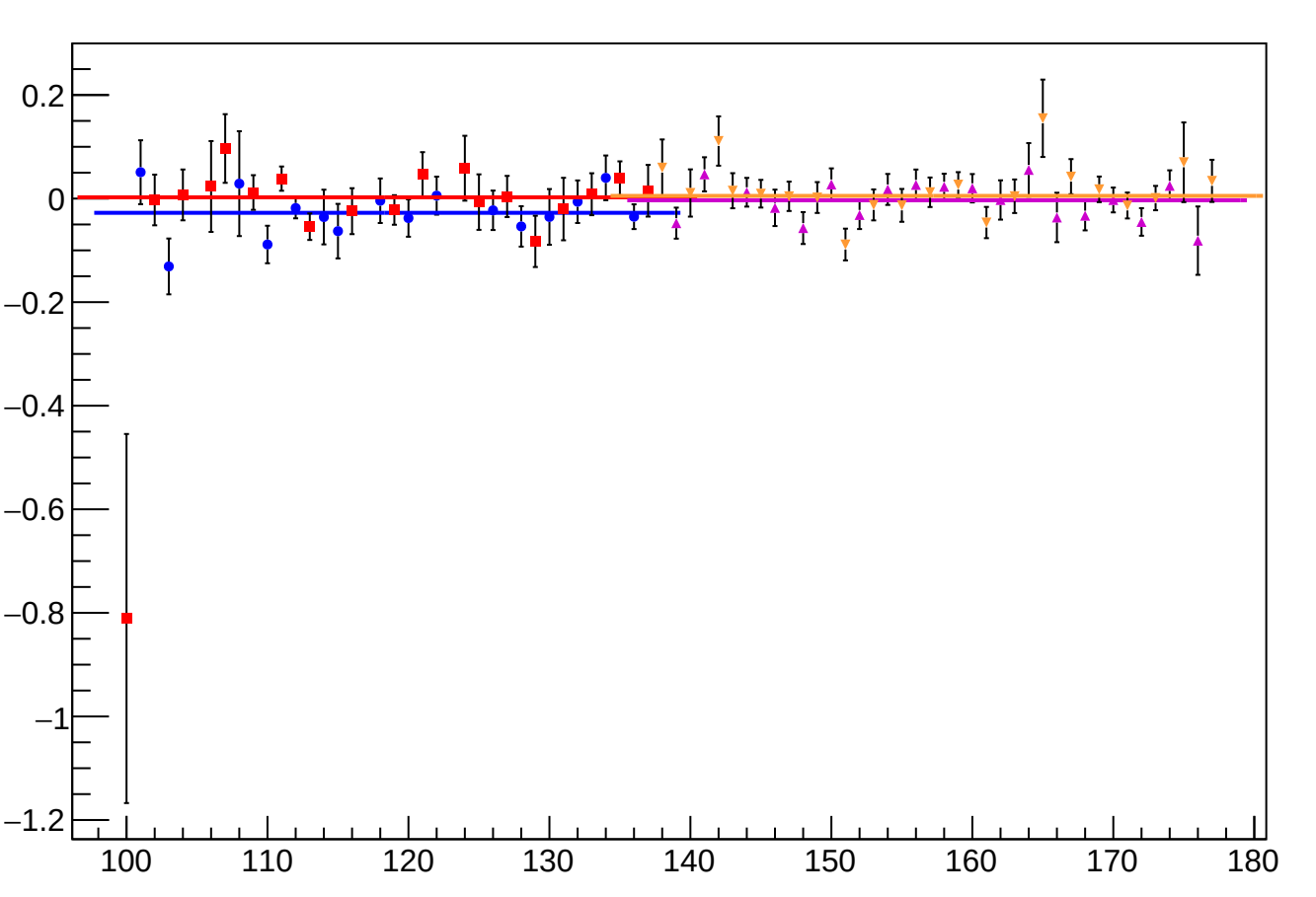
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1735565.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1935212.1/20
Right Out: 0.000+/-0.000 χ²/NDF: 1444777.6/18
Left In: 0.000+/-0.000 χ²/NDF:1514928.8/18
Left: 0.000+/-0.000 χ²/NDF: 3453242.8/39
Right: 0.000+/-0.000 χ²/NDF: 3187950.4/34
In: 0.000+/-0.000 χ²/NDF:4489403.9/34
Out: 0.000+/-0.000 χ²/NDF:4505105.0/39
All: 0.000+/-0.000 χ²/NDF: 9003034.0/74



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-0.007 χ^2/NDF:27.2/20

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.003+/-0.007 χ^2/NDF:21.0/18

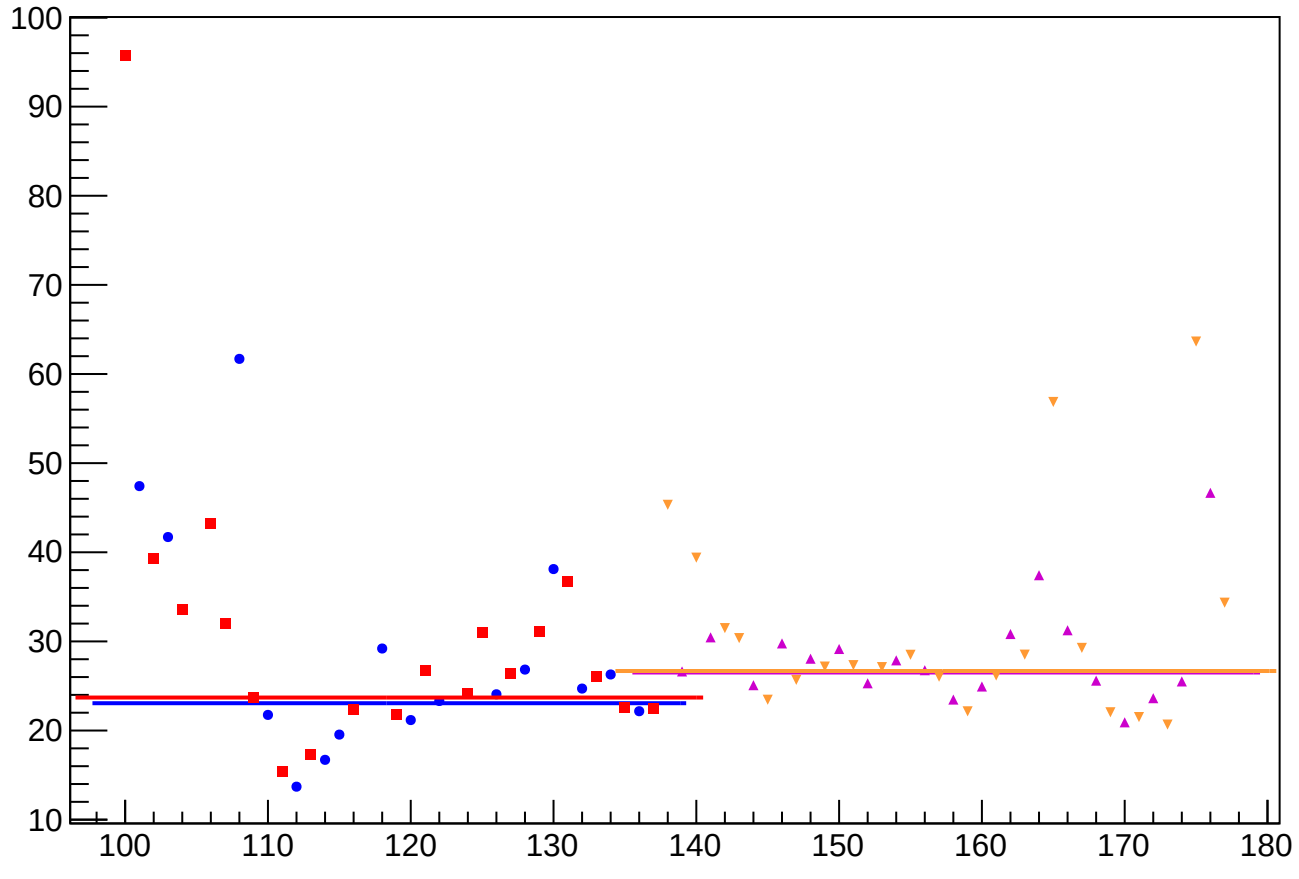
Left: 0.001+/-0.005 χ^2/NDF: 48.9/39

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.012+/-0.006 χ^2/NDF:38.9/34

Out: 0.004+/-0.006 χ^2/NDF:49.4/39

All: -0.004+/-0.004 χ^2/NDF: 92.5/74



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 26.679+/-0.005 χ^2/NDF:1709375.4/20

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.511+/-0.005 χ^2/NDF:572484.1/18

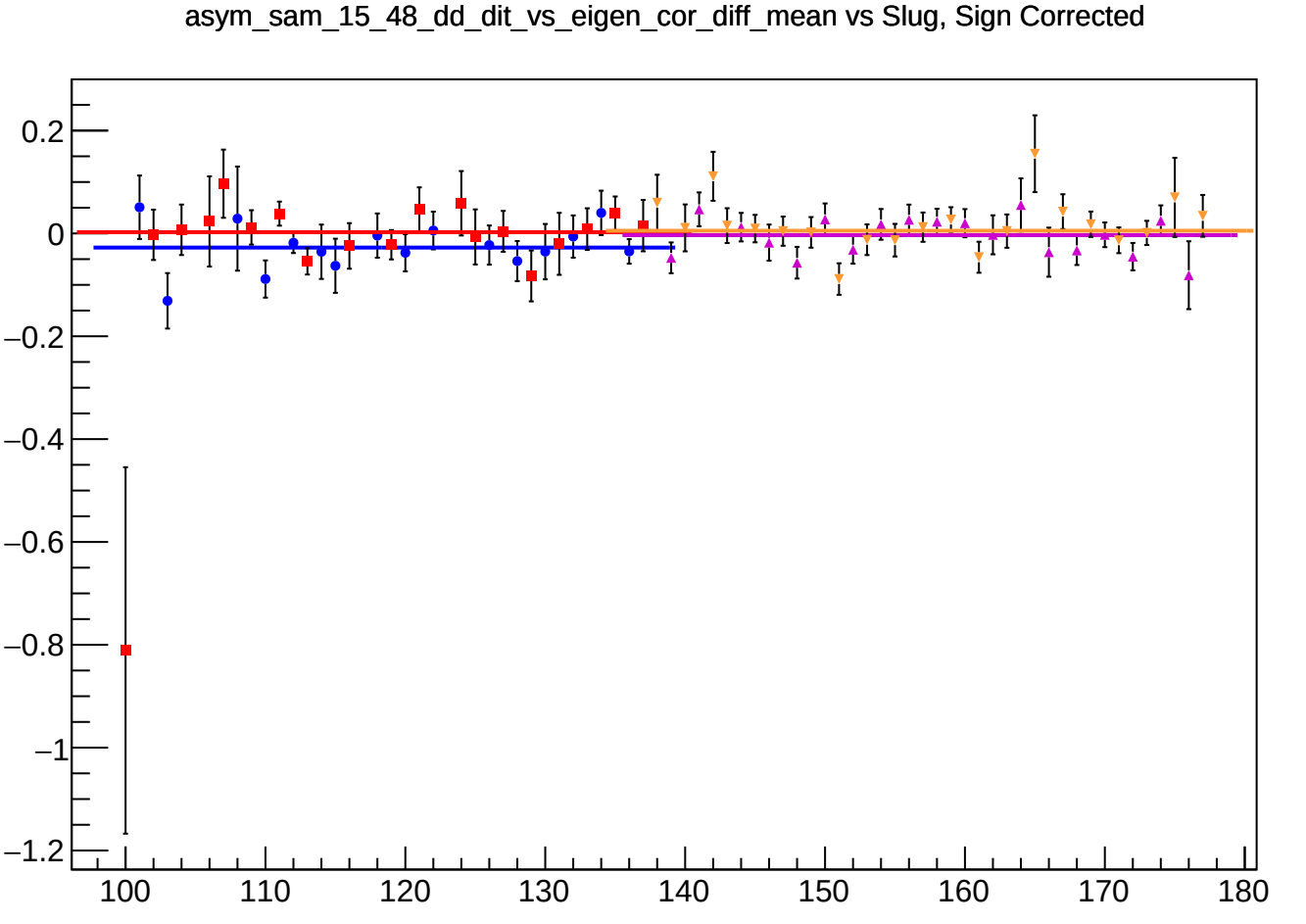
Left: 26.597+/-0.003 χ^2/NDF: 2282434.8/39

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 25.265+/-0.004 χ^2/NDF:2308719.2/34

Out: 25.619+/-0.004 χ^2/NDF:2930021.5/39

All: 25.445+/-0.003 χ^2/NDF: 5242736.2/74



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-0.007 χ^2/NDF:27.2/20

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.003+/-0.007 χ^2/NDF:21.0/18

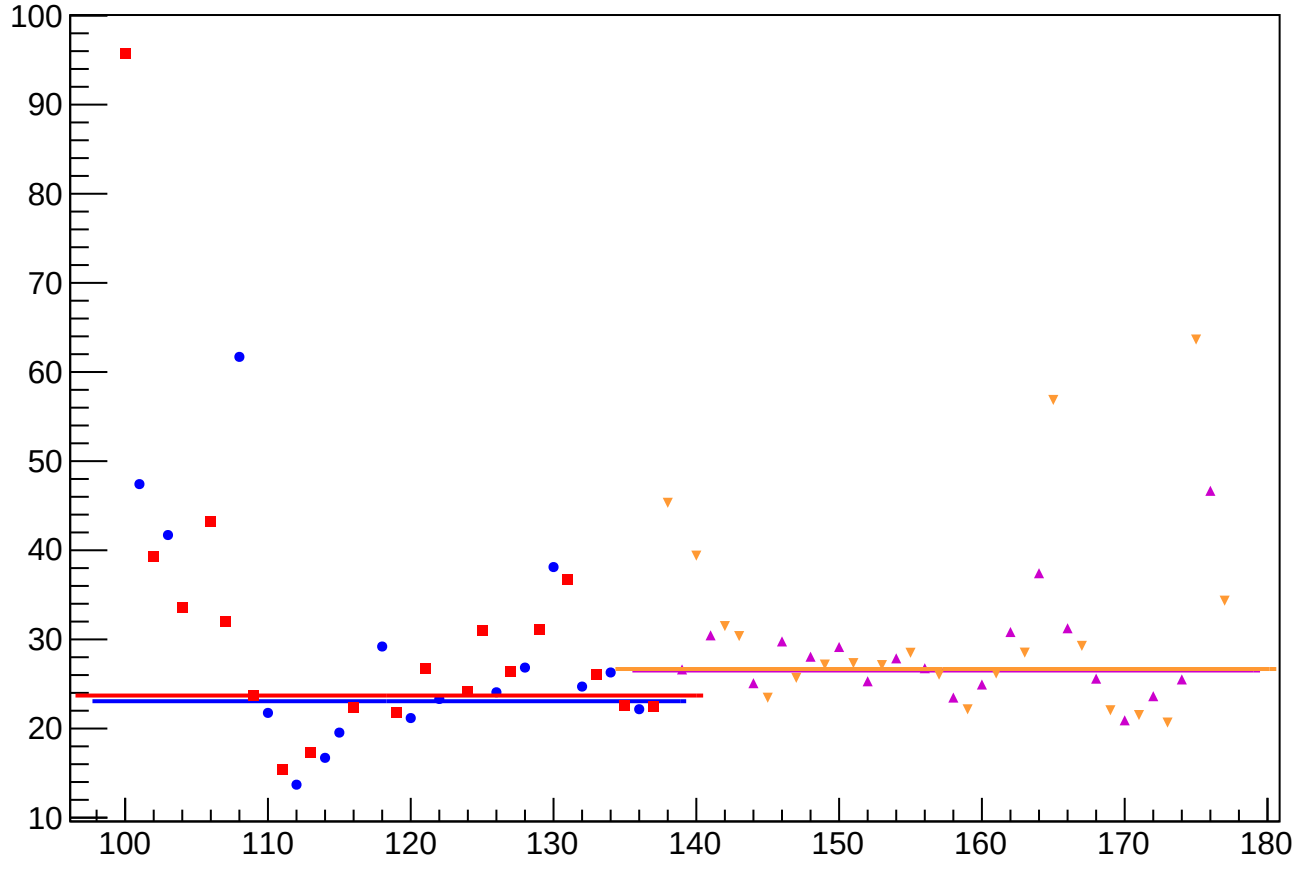
Left: 0.001+/-0.005 χ^2/NDF: 48.9/39

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.012+/-0.006 χ^2/NDF:38.9/34

Out: 0.004+/-0.006 χ^2/NDF:49.4/39

All: -0.004+/-0.004 χ^2/NDF: 92.5/74



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 26.679+/-0.005 χ^2/NDF:1709375.4/20

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.511+/-0.005 χ^2/NDF:572484.1/18

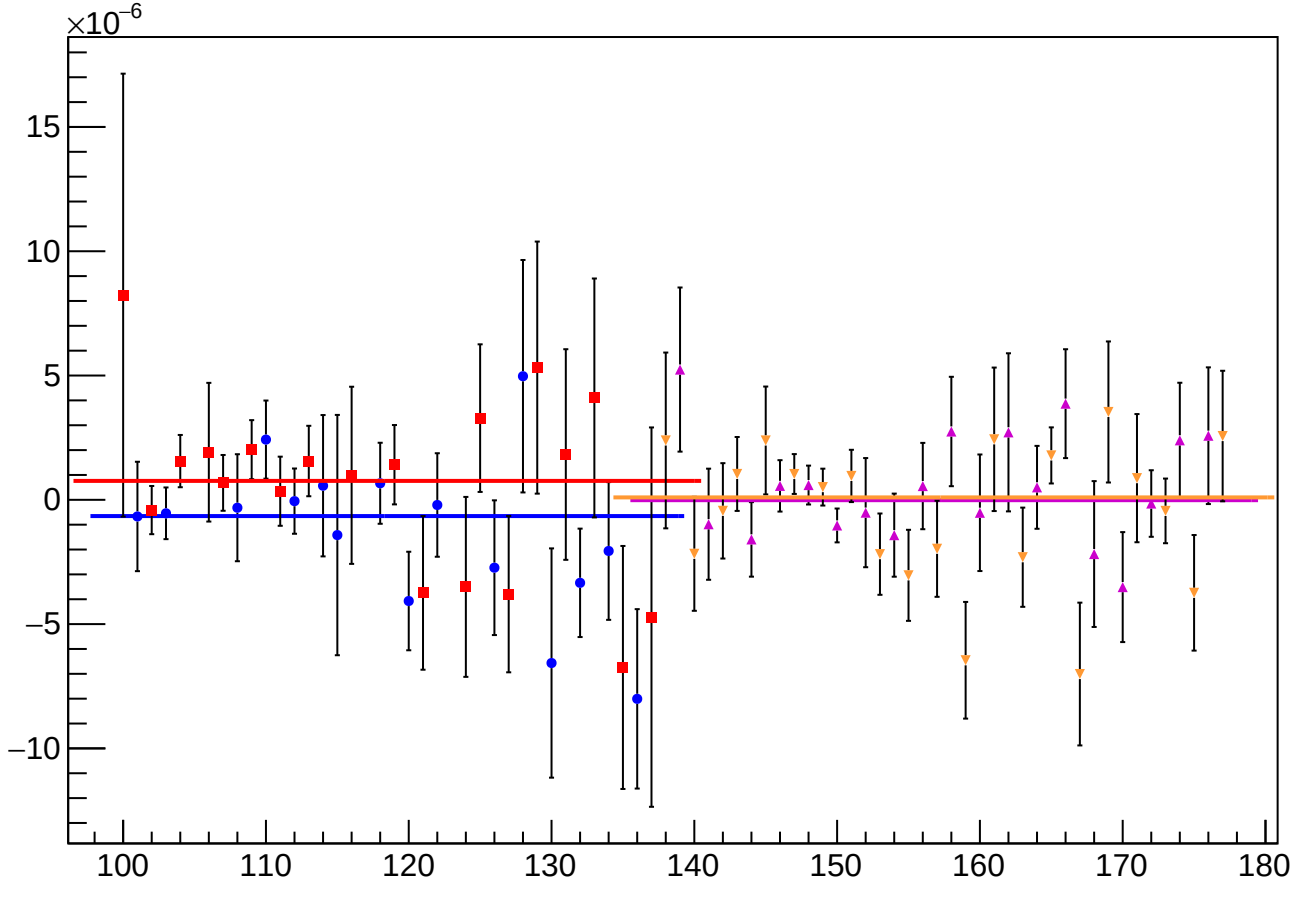
Left: 26.597+/-0.003 χ^2/NDF: 2282434.8/39

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 25.265+/-0.004 χ^2/NDF:2308719.2/34

Out: 25.619+/-0.004 χ^2/NDF:2930021.5/39

All: 25.445+/-0.003 χ^2/NDF: 5242736.2/74



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/20

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:18.5/18

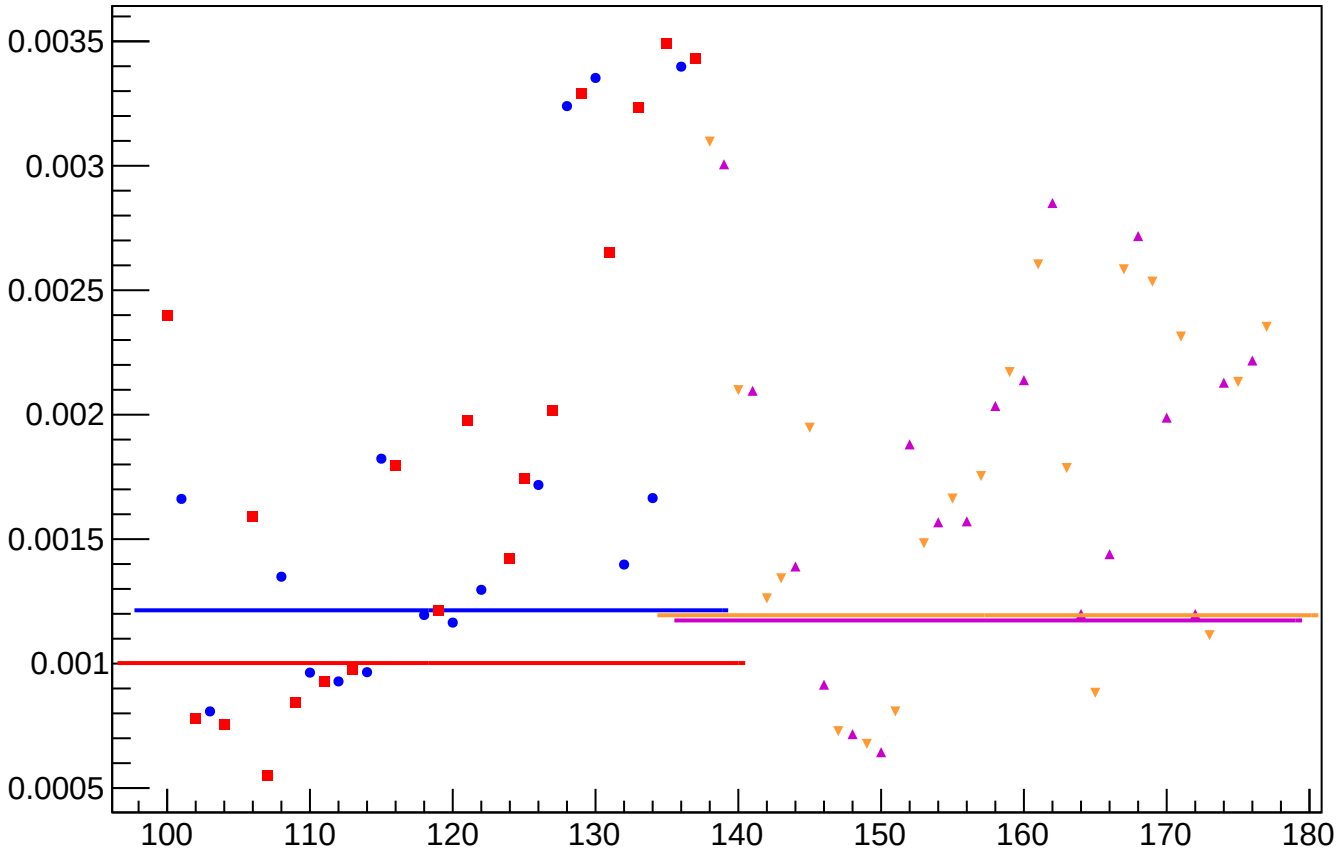
Left: 0.000+/-0.000 χ^2/NDF: 53.5/39

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:37.2/34

Out: 0.000+/-0.000 χ^2/NDF:51.7/39

All: 0.000+/-0.000 χ^2/NDF: 91.1/74



Right In: 0.001+/-0.000 χ^2/NDF: 2267402.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:6596621.0/20

Right Out: 0.001+/-0.000 χ^2/NDF: 3277225.7/18

Left In: 0.001+/-0.000 χ^2/NDF:6126619.5/18

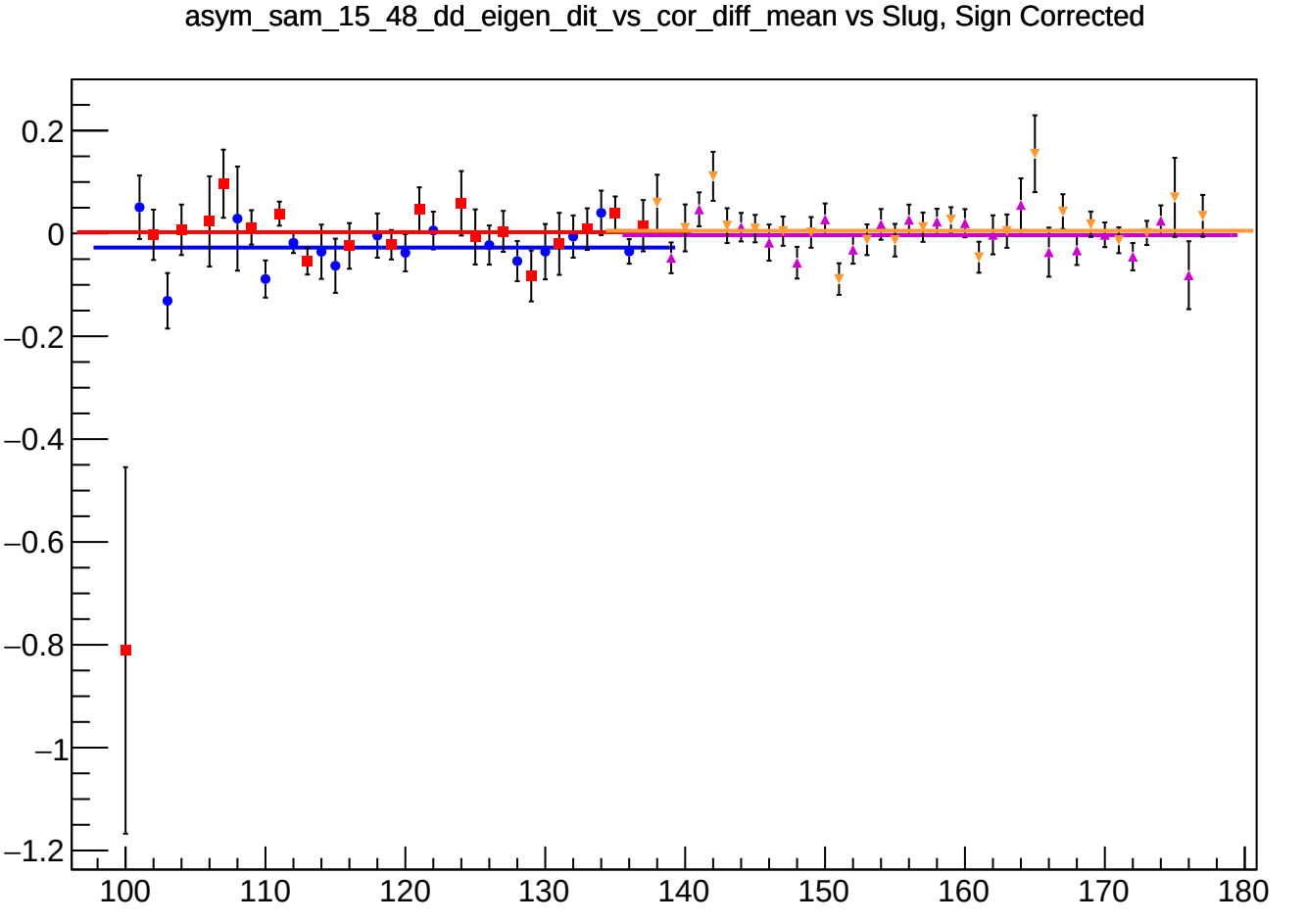
Left: 0.001+/-0.000 χ^2/NDF: 12727111.7/39

Right: 0.001+/-0.000 χ^2/NDF: 5755876.1/34

In: 0.001+/-0.000 χ^2/NDF:8403089.3/34

Out: 0.001+/-0.000 χ^2/NDF:10132180.5/39

All: 0.001+/-0.000 χ^2/NDF: 18594626.4/74



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-0.007 χ^2/NDF:27.2/20

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.003+/-0.007 χ^2/NDF:21.0/18

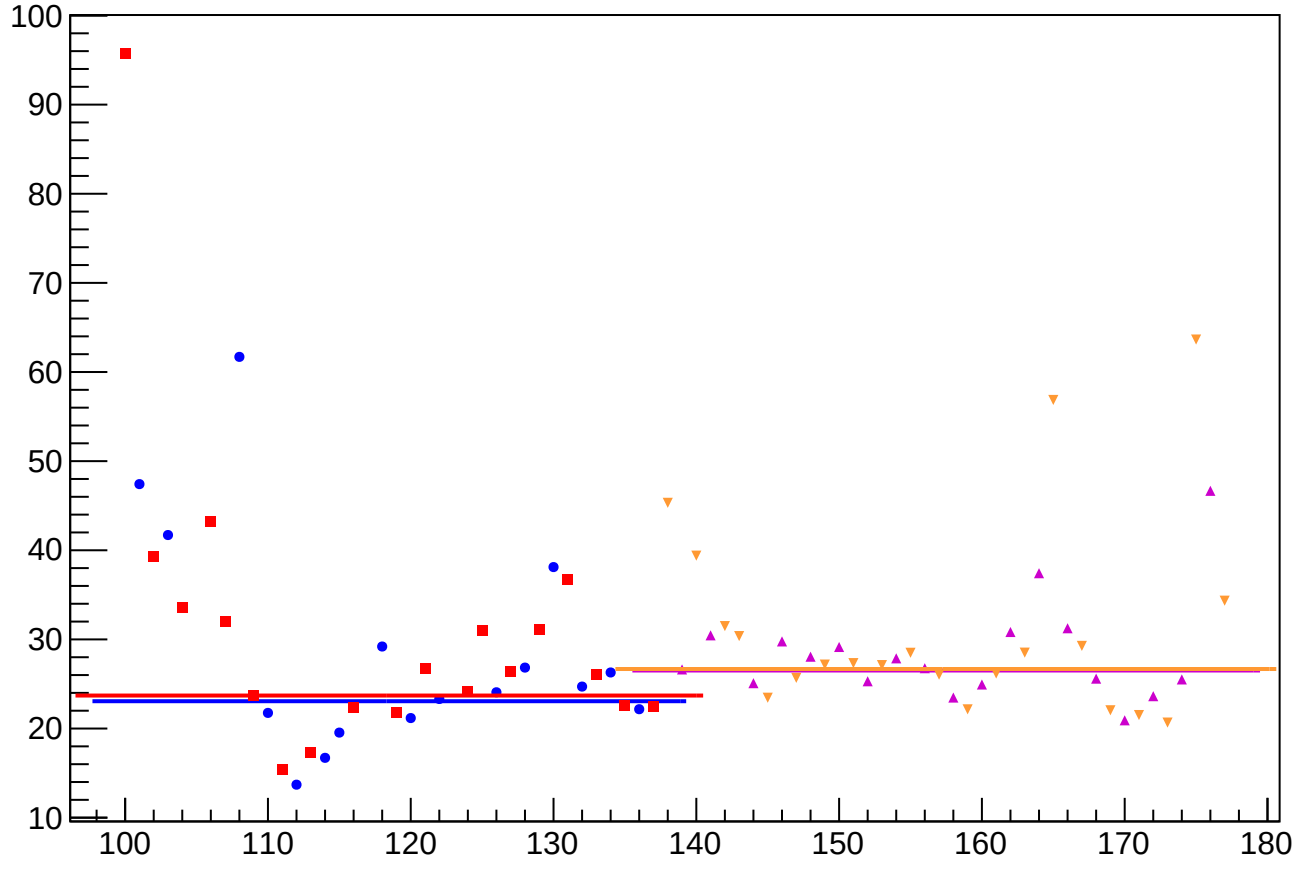
Left: 0.001+/-0.005 χ^2/NDF: 48.9/39

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.012+/-0.006 χ^2/NDF:38.9/34

Out: 0.004+/-0.006 χ^2/NDF:49.4/39

All: -0.004+/-0.004 χ^2/NDF: 92.5/74



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 26.679+/-0.005 χ^2/NDF:1709312.4/20

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.511+/-0.005 χ^2/NDF:572478.5/18

Left: 26.597+/-0.003 χ^2/NDF: 2282367.1/39

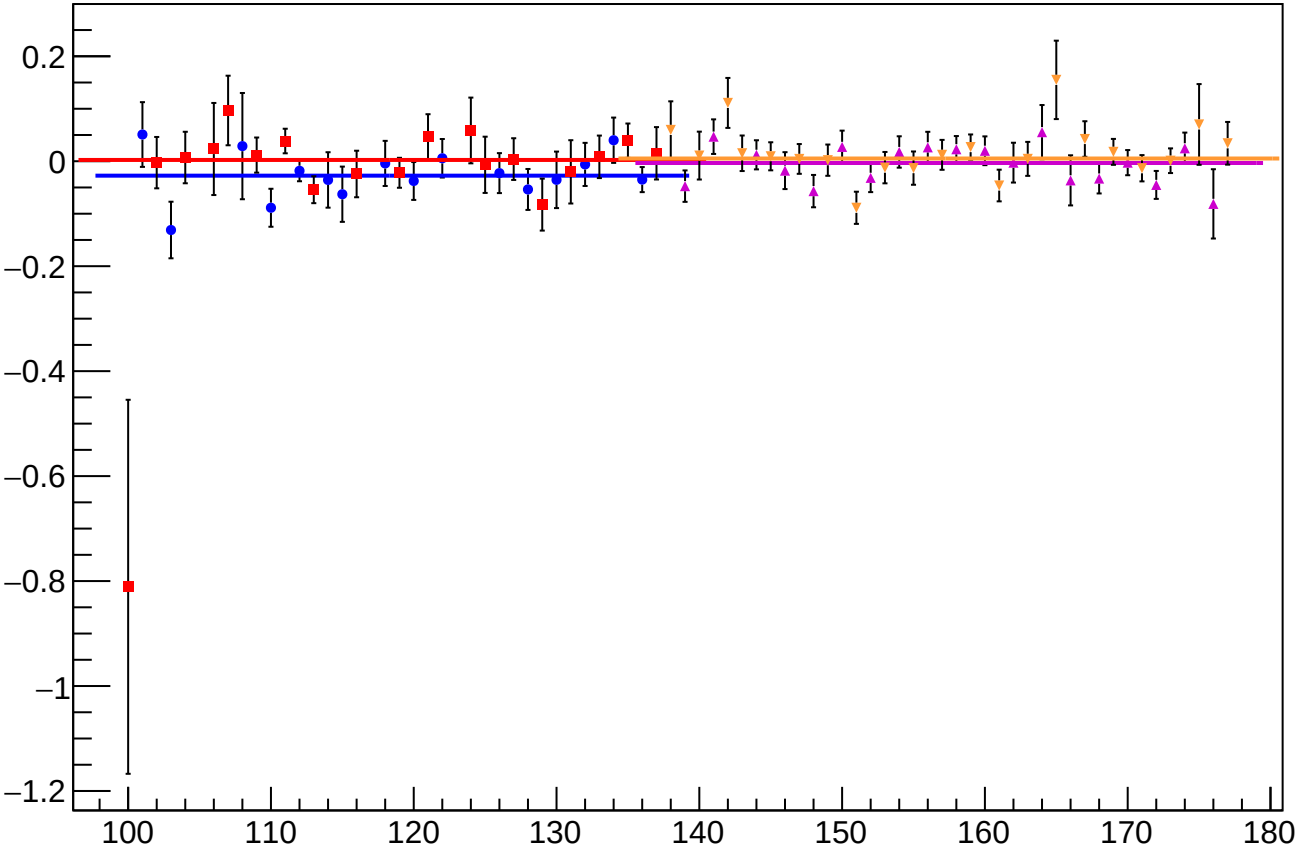
Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 25.265+/-0.004 χ^2/NDF:2308766.8/34

Out: 25.619+/-0.004 χ^2/NDF:2930046.1/39

All: 25.446+/-0.003 χ^2/NDF: 5242810.0/74

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.005+/-0.007 χ^2/NDF:27.2/20

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.003+/-0.007 χ^2/NDF:21.0/18

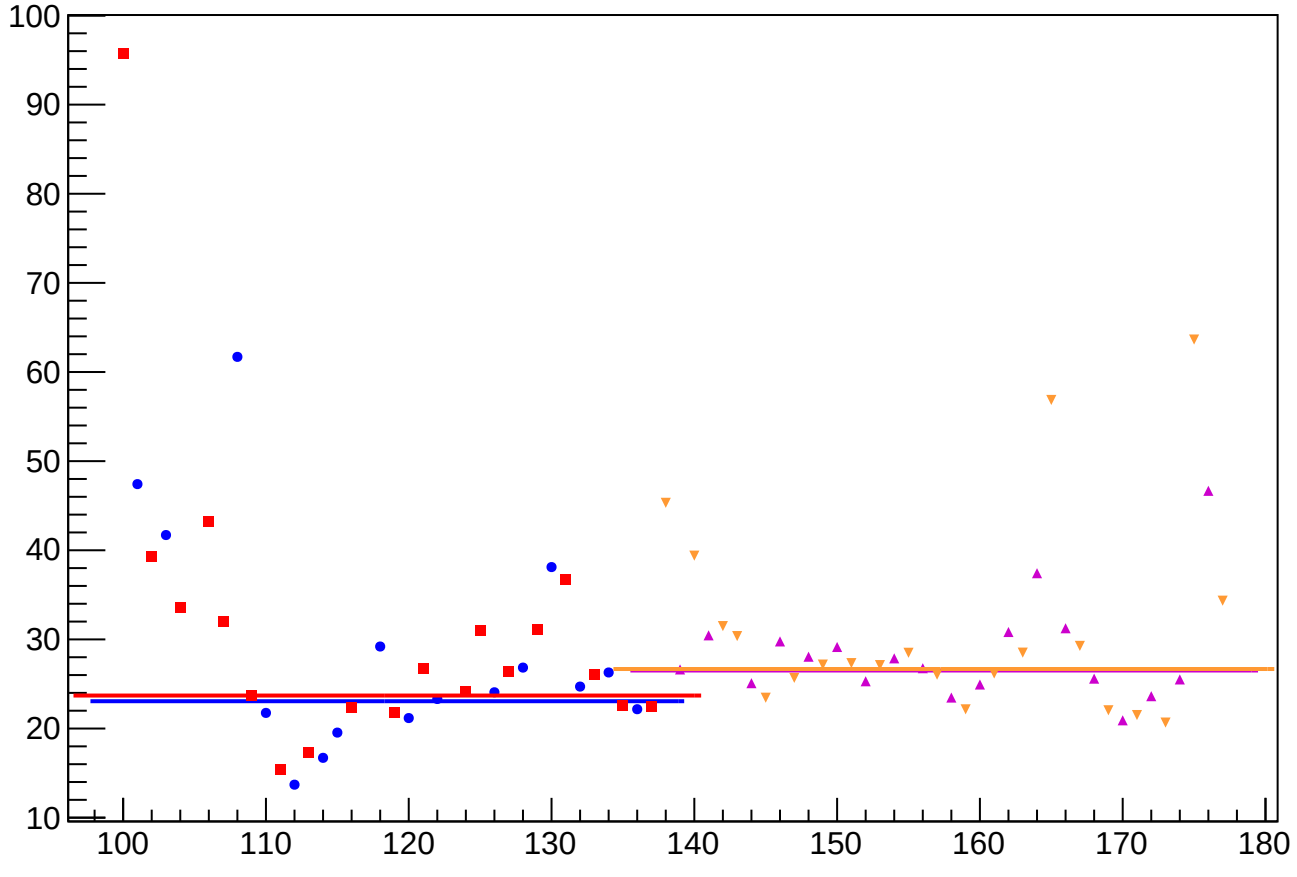
Left: 0.001+/-0.005 χ^2/NDF: 48.9/39

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.012+/-0.006 χ^2/NDF:38.9/34

Out: 0.004+/-0.006 χ^2/NDF:49.4/39

All: -0.004+/-0.004 χ^2/NDF: 92.5/74



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 26.679+/-0.005 χ^2/NDF:1709312.4/20

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.511+/-0.005 χ^2/NDF:572478.5/18

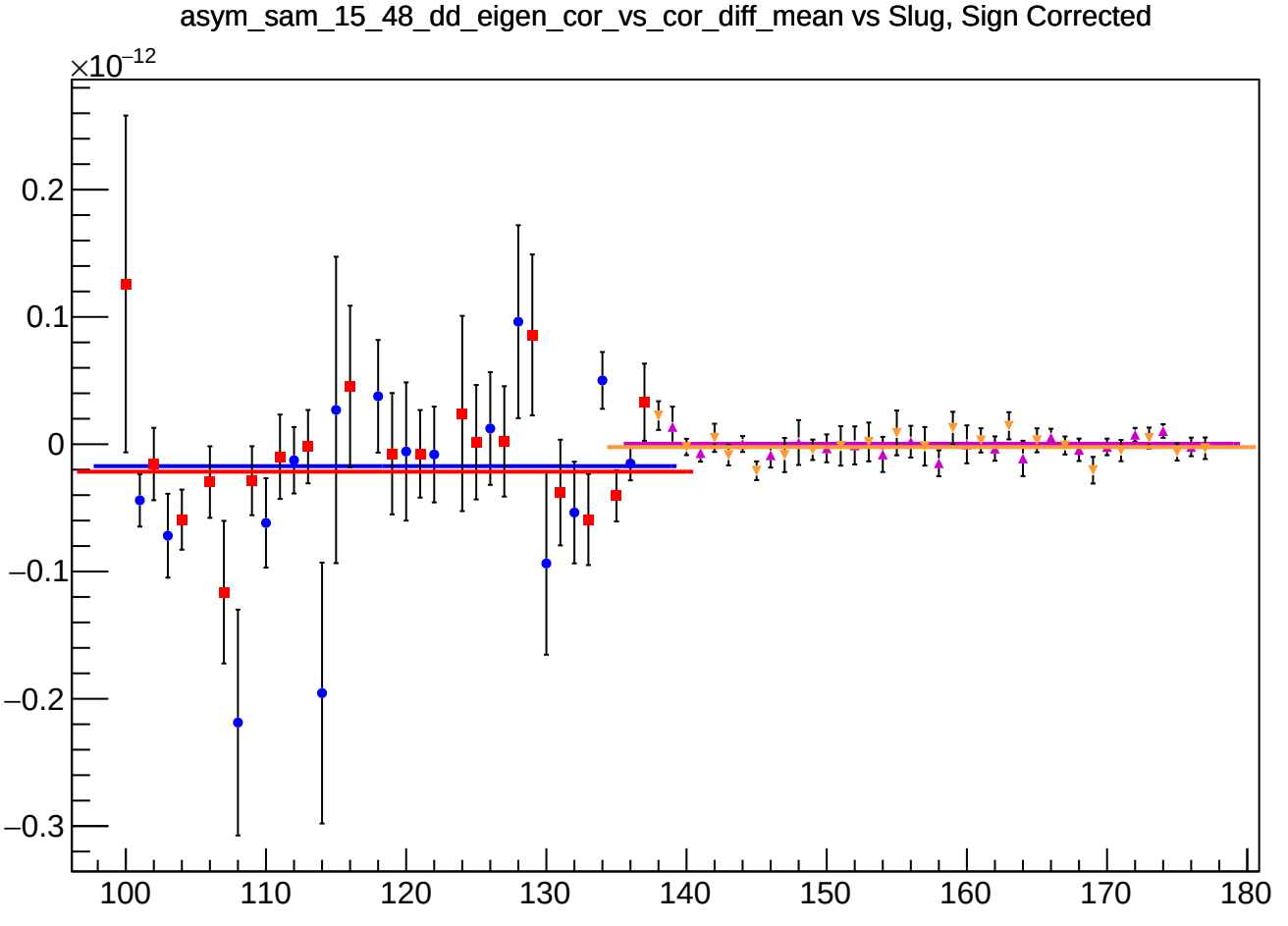
Left: 26.597+/-0.003 χ^2/NDF: 2282367.1/39

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 25.265+/-0.004 χ^2/NDF:2308766.8/34

Out: 25.619+/-0.004 χ^2/NDF:2930046.1/39

All: 25.446+/-0.003 χ^2/NDF: 5242810.0/74



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.7/20

Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: 0.000+/-0.000 χ^2/NDF:12.6/18

Left: -0.000+/-0.000 χ^2/NDF: 35.1/39

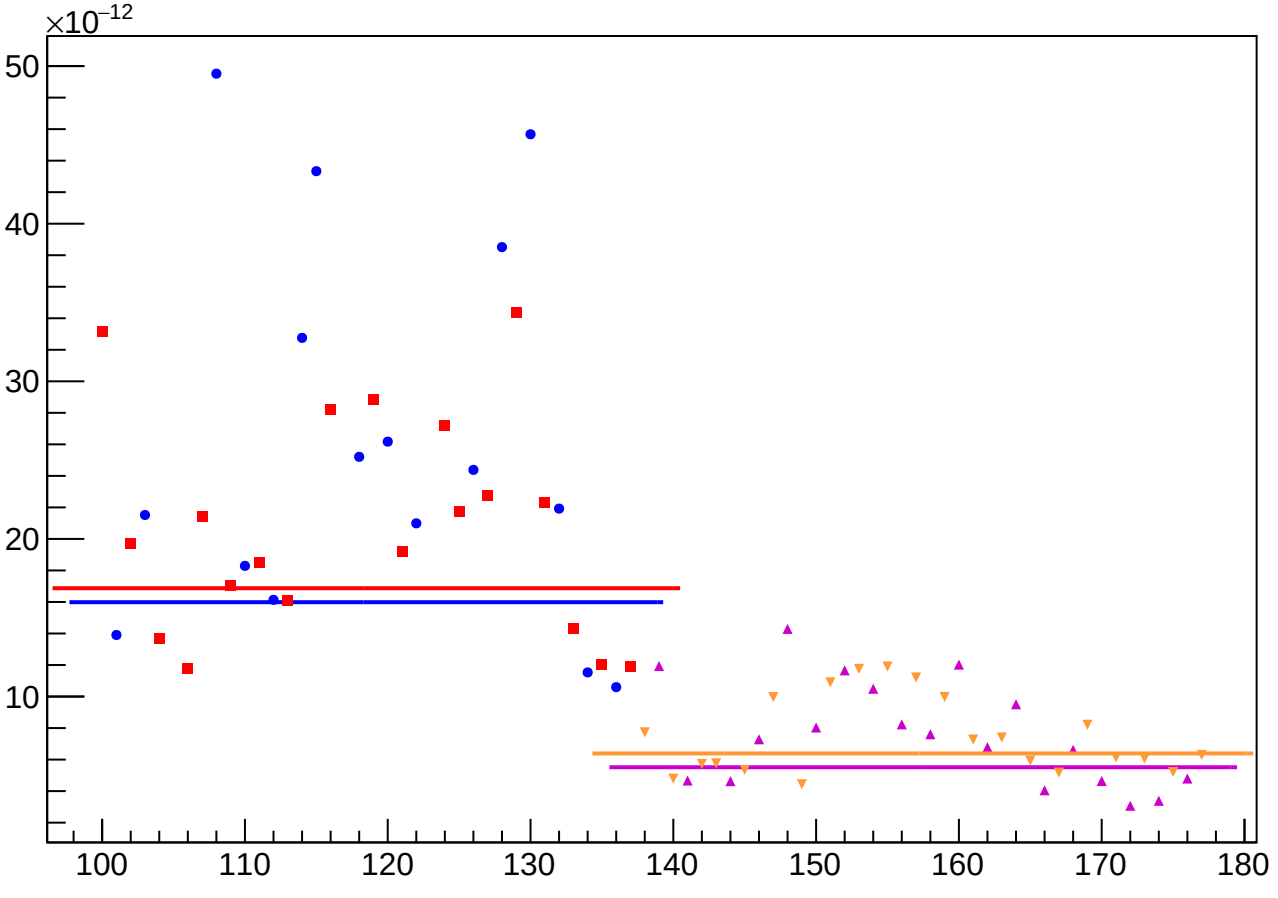
Right: -0.000+/-0.000 χ^2/NDF: 48.0/34

In: -0.000+/-0.000 χ^2/NDF:47.2/34

Out: -0.000+/-0.000 χ^2/NDF:45.3/39

All: -0.000+/-0.000 χ^2/NDF: 93.6/74

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1764617.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1673883.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 835680.3/18

Left In: 0.000+/-0.000 χ^2/NDF:3334063.0/18

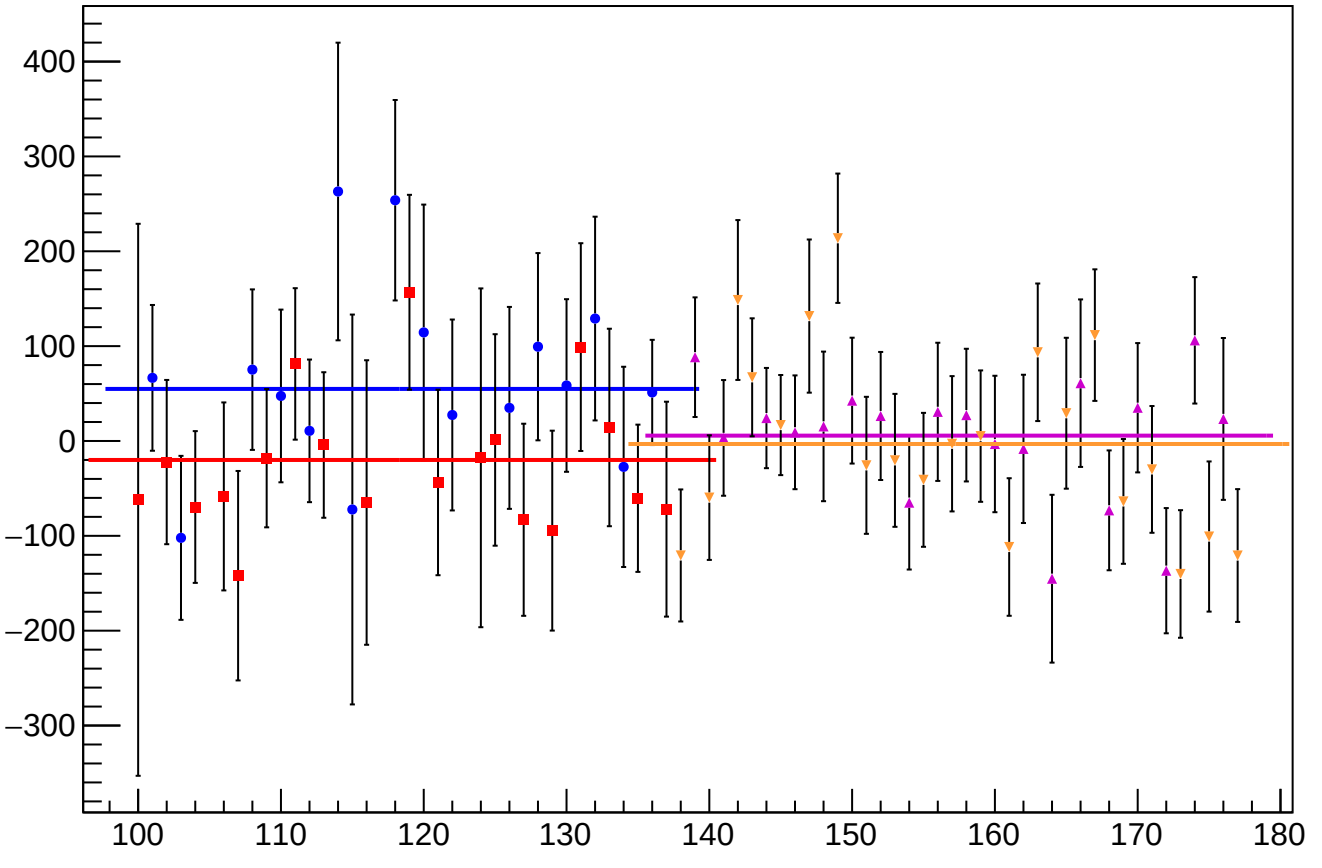
Left: 0.000+/-0.000 χ^2/NDF: 5202499.9/39

Right: 0.000+/-0.000 χ^2/NDF: 2613122.2/34

In: 0.000+/-0.000 χ^2/NDF:8521527.7/34

Out: 0.000+/-0.000 χ^2/NDF:5817590.7/39

All: 0.000+/-0.000 χ^2/NDF: 14562899.3/74



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: -3.183+/-15.159 χ^2/NDF:38.1/20

Right Out: -20.020+/-22.571 χ^2/NDF: 9.2/18

Left In: 5.636+/-15.756 χ^2/NDF:15.5/18

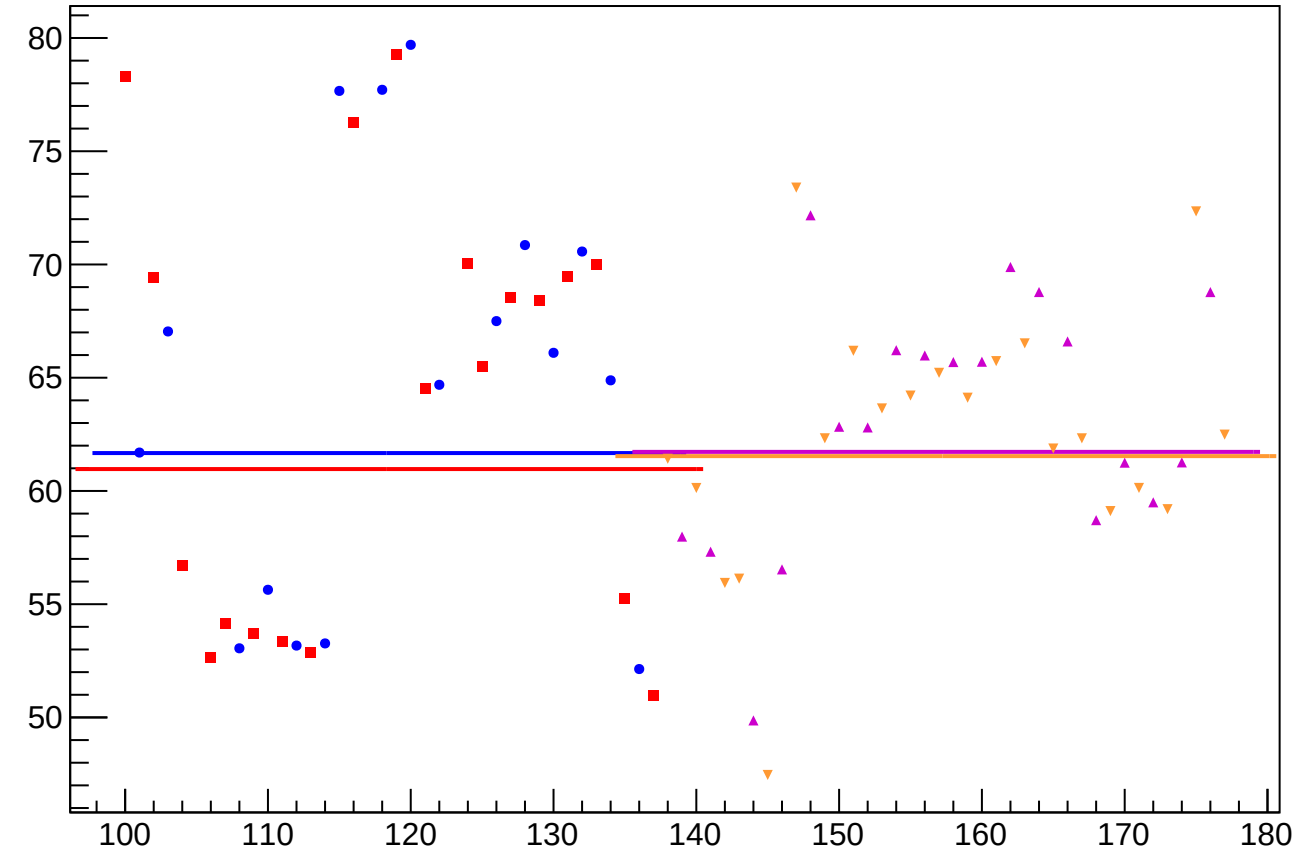
Left: 1.056+/-10.924 χ^2/NDF: 53.8/39

Right: 16.437+/-16.171 χ^2/NDF: 25.6/34

In: 21.199+/-13.030 χ^2/NDF:29.6/34

Out: -8.416+/-12.584 χ^2/NDF:47.7/39

All: 5.876+/-9.052 χ^2/NDF: 80.0/74



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 61.538+/-0.011 χ^2/NDF:291727.0/20

Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 61.725+/-0.011 χ^2/NDF:258163.2/18

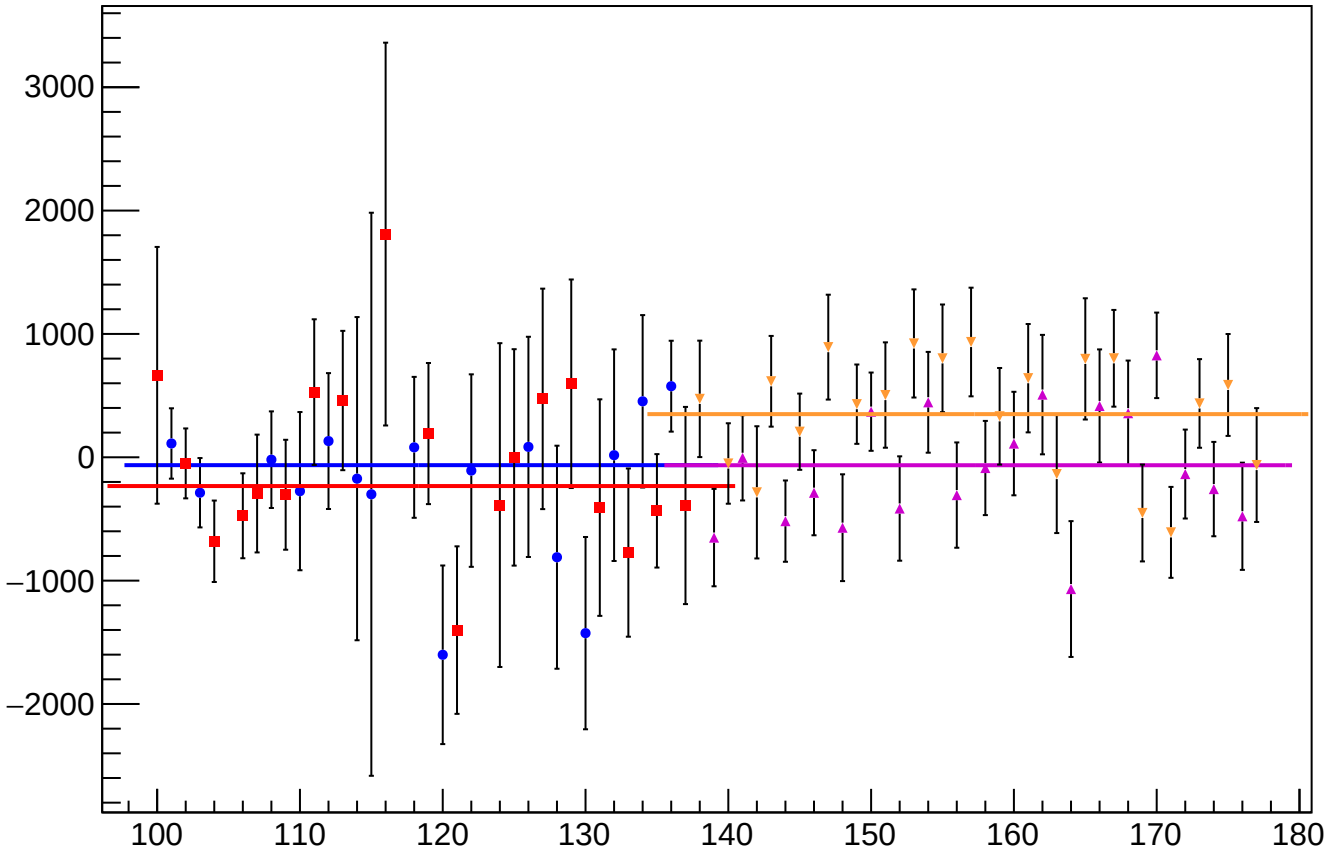
Left: 61.628+/-0.008 χ^2/NDF: 550037.8/39

Right: 61.310+/-0.011 χ^2/NDF: 552244.9/34

In: 61.709+/-0.009 χ^2/NDF:525278.3/34

Out: 61.360+/-0.009 χ^2/NDF:576793.0/39

All: 61.528+/-0.006 χ^2/NDF: 1102812.5/74



Right In: -63.834+/-129.674 χ^2/NDF: 13.2/15

Left Out: 349.873+/-87.570 χ^2/NDF:25.8/20

Right Out: -233.206+/-122.791 χ^2/NDF: 14.5/18

Left In: -64.471+/-90.080 χ^2/NDF:25.1/18

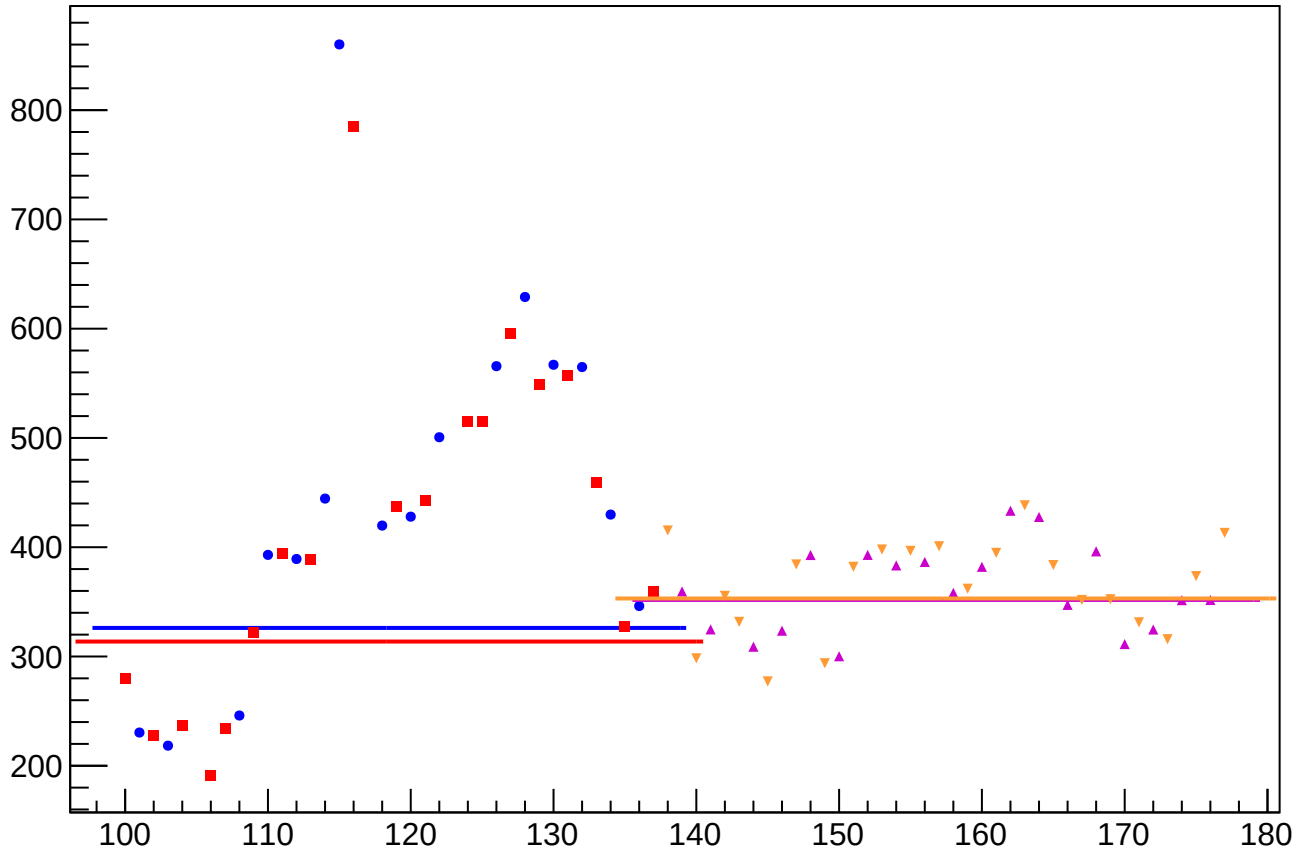
Left: 148.555+/-62.790 χ^2/NDF: 61.9/39

Right: -153.135+/-89.161 χ^2/NDF: 28.6/34

In: -64.264+/-73.982 χ^2/NDF:38.3/34

Out: 153.298+/-71.296 χ^2/NDF:55.3/39

All: 48.537+/-51.337 χ^2/NDF: 98.1/74



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 353.085+/-0.062 χ^2/NDF:528754.0/20

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

Left In: 351.779+/-0.064 χ^2/NDF:341242.5/18

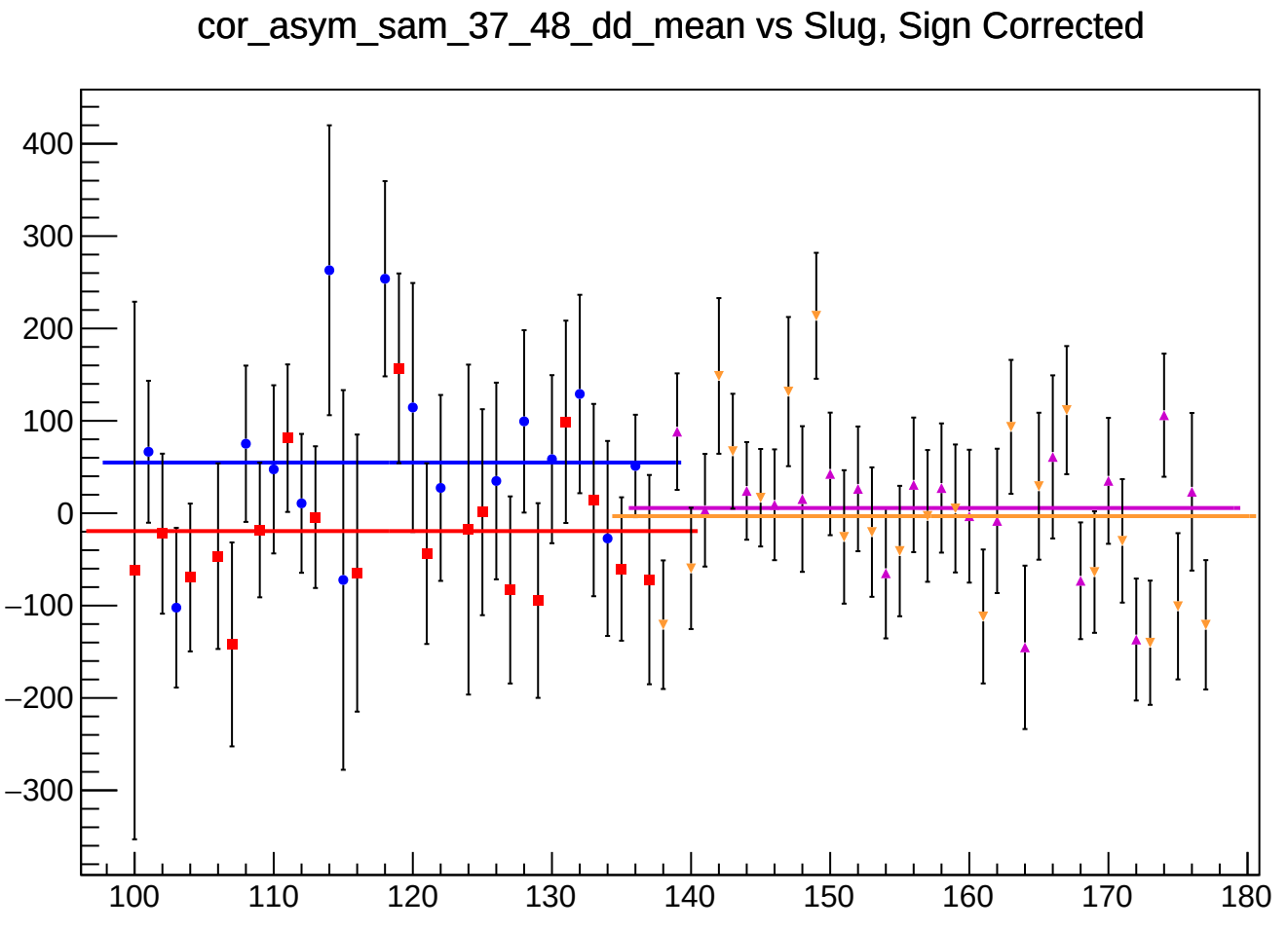
Left: 352.450+/-0.044 χ^2/NDF: 870212.6/39

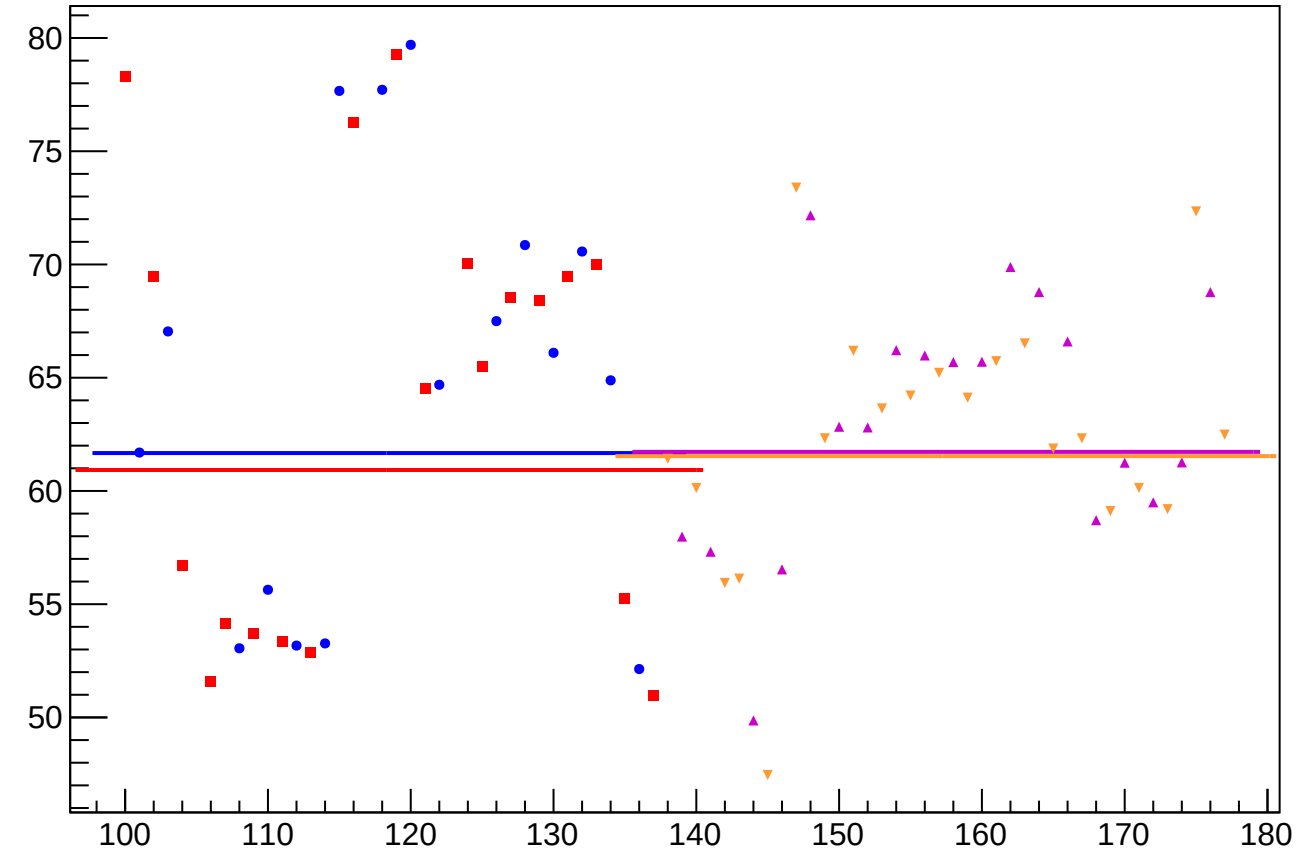
Right: 319.570+/-0.063 χ^2/NDF: 3531102.5/34

In: 343.436+/-0.052 χ^2/NDF:2127942.2/34

Out: 339.797+/-0.050 χ^2/NDF:2452683.0/39

All: 341.549+/-0.036 χ^2/NDF: 4583133.3/74


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: -3.185+/-15.159 χ²/NDF:38.1/20
Right Out: -19.352+/-22.588 χ²/NDF: 9.2/18
Left In: 5.635+/-15.756 χ²/NDF:15.5/18
Left: 1.055+/-10.924 χ²/NDF: 53.8/39
Right: 16.804+/-16.177 χ²/NDF: 25.4/34
In: 21.197+/-13.030 χ²/NDF:29.6/34
Out: -8.205+/-12.587 χ²/NDF:47.6/39
All: 5.987+/-9.053 χ²/NDF: 79.8/74



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 61.538+/-0.011 χ^2/NDF:291727.0/20

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 61.725+/-0.011 χ^2/NDF:258163.2/18

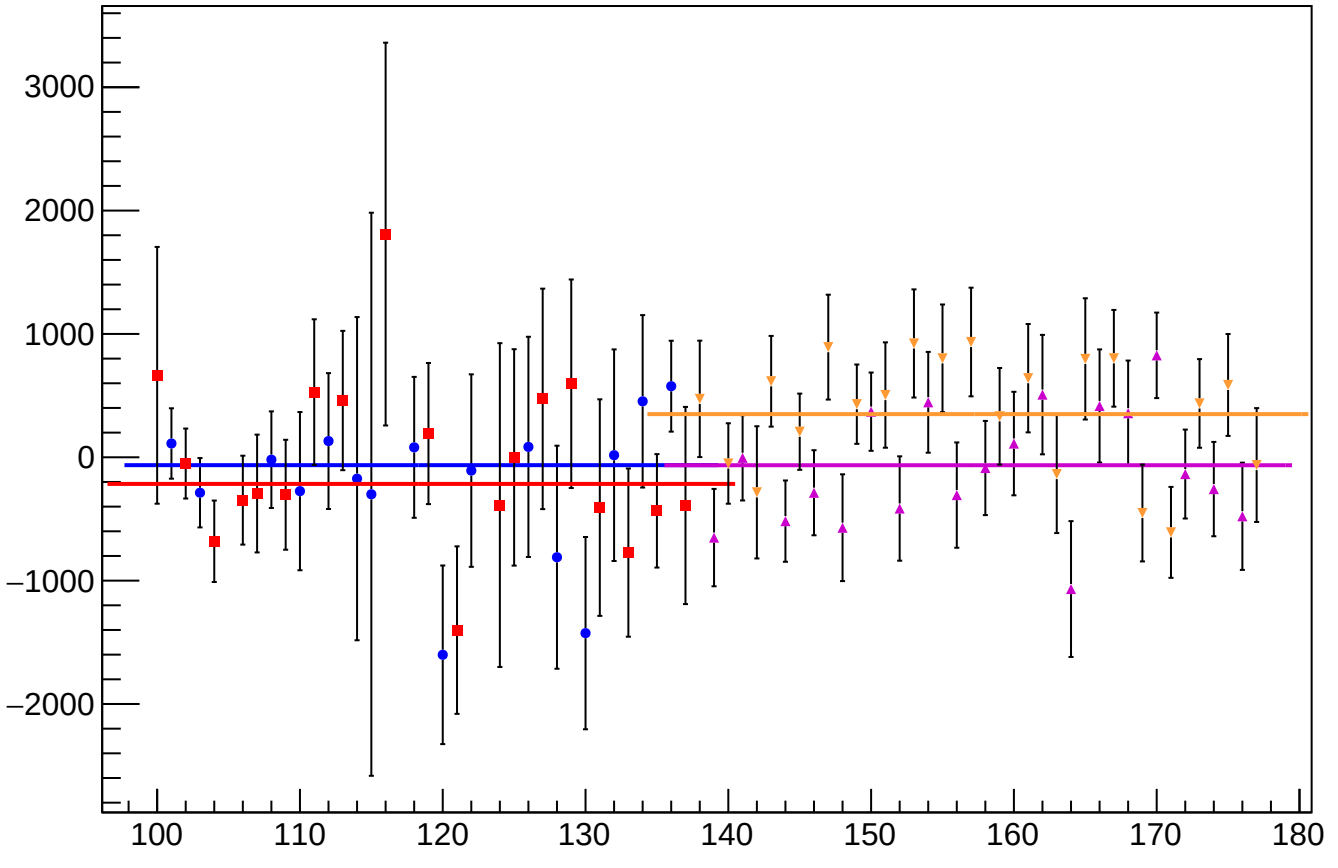
Left: 61.628+/-0.008 χ^2/NDF: 550037.8/39

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 61.709+/-0.009 χ^2/NDF:525278.6/34

Out: 61.348+/-0.009 χ^2/NDF:580318.9/39

All: 61.522+/-0.006 χ^2/NDF: 1106392.5/74



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 349.872+/-87.570 χ^2/NDF:25.8/20

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: -64.470+/-90.080 χ^2/NDF:25.1/18

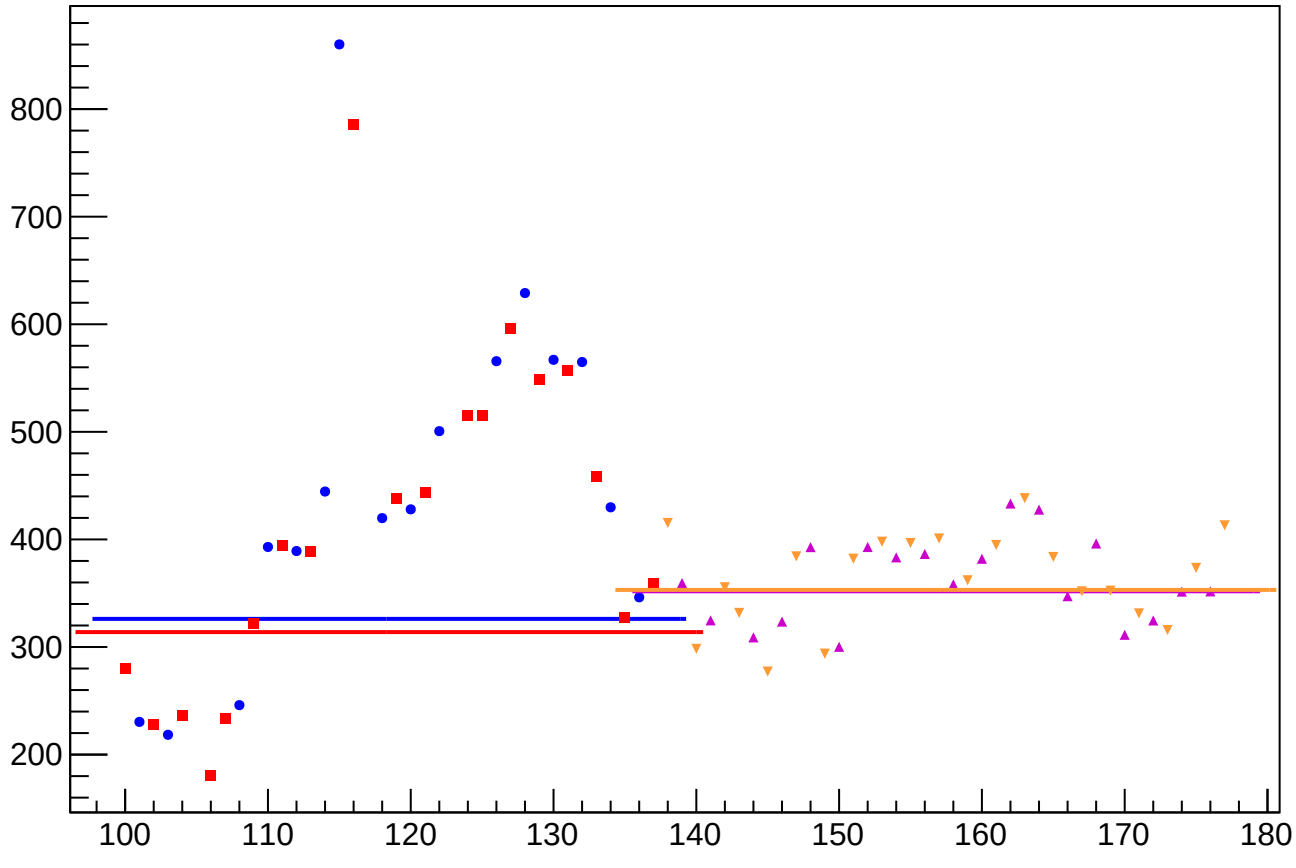
Left: 148.555+/-62.790 χ^2/NDF: 61.9/39

Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -64.259+/-73.982 χ^2/NDF:38.3/34

Out: 160.563+/-71.433 χ^2/NDF:53.9/39

All: 52.092+/-51.388 χ^2/NDF: 97.0/74



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 353.085+/-0.062 χ^2/NDF:528751.0/20

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 351.779+/-0.064 χ^2/NDF:341243.9/18

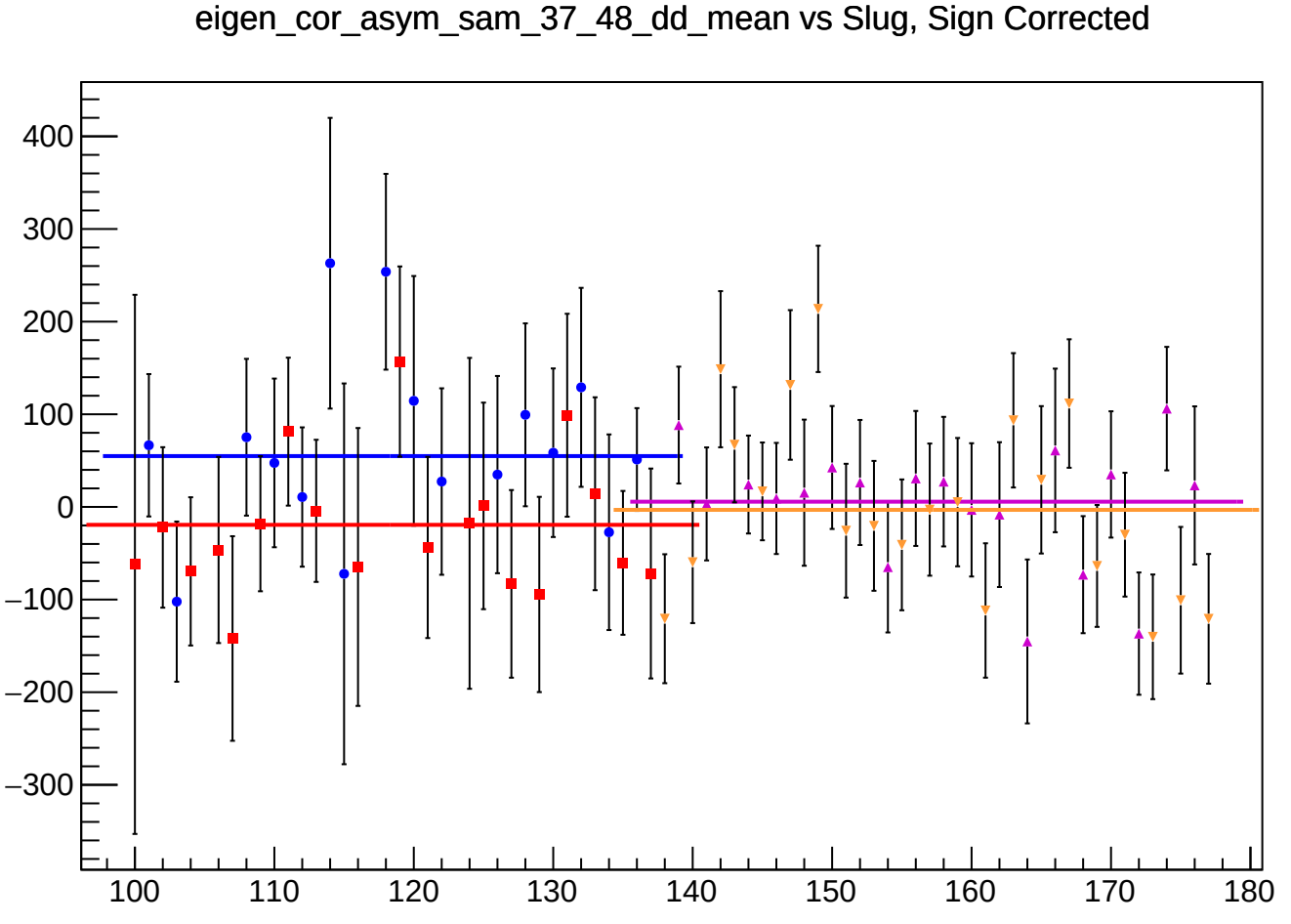
Left: 352.450+/-0.044 χ^2/NDF: 870211.1/39

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 343.437+/-0.052 χ^2/NDF:2127870.6/34

Out: 339.961+/-0.051 χ^2/NDF:2468789.5/39

All: 341.638+/-0.036 χ^2/NDF: 4598945.3/74


eigen_cor_asym_sam_37_48_dd_mean vs Slug, Sign Corrected
400
300
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−100
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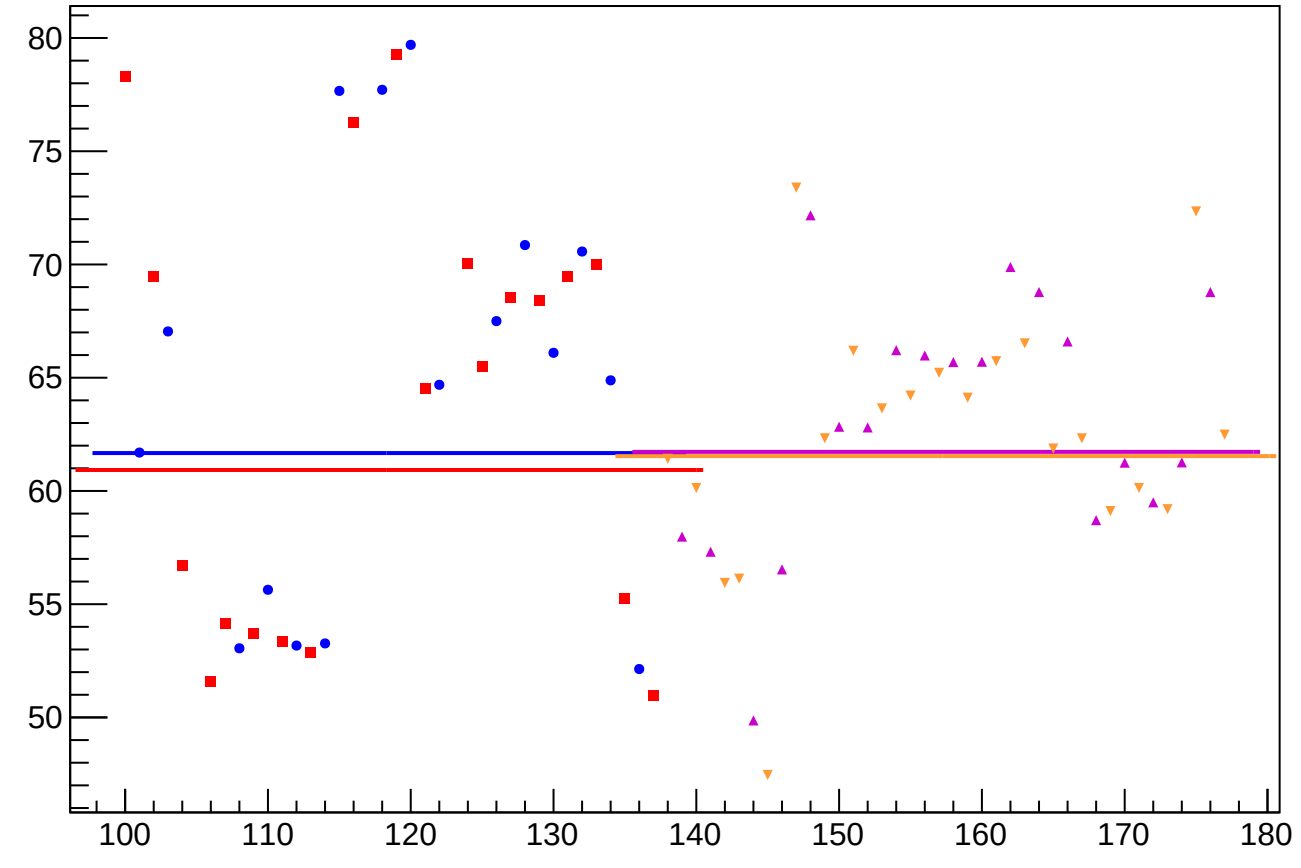
−300
100
110
120
130
140
150
160
170
180
Right In: 54.877+/-23.179 χ²/NDF: 11.0/15
Left Out: -3.185+/-15.159 χ²/NDF:38.1/20
Right Out: -19.352+/-22.588 χ²/NDF: 9.2/18
Left In: 5.635+/-15.756 χ²/NDF:15.5/18
Left: 1.055+/-10.924 χ²/NDF: 53.8/39
Right: 16.804+/-16.177 χ²/NDF: 25.4/34
In: 21.197+/-13.030 χ²/NDF:29.6/34
Out: -8.205+/-12.587 χ²/NDF:47.6/39
All: 5.987+/-9.053 χ²/NDF: 79.8/74



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 61.538+/-0.011 χ^2/NDF:291727.0/20

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 61.725+/-0.011 χ^2/NDF:258163.2/18

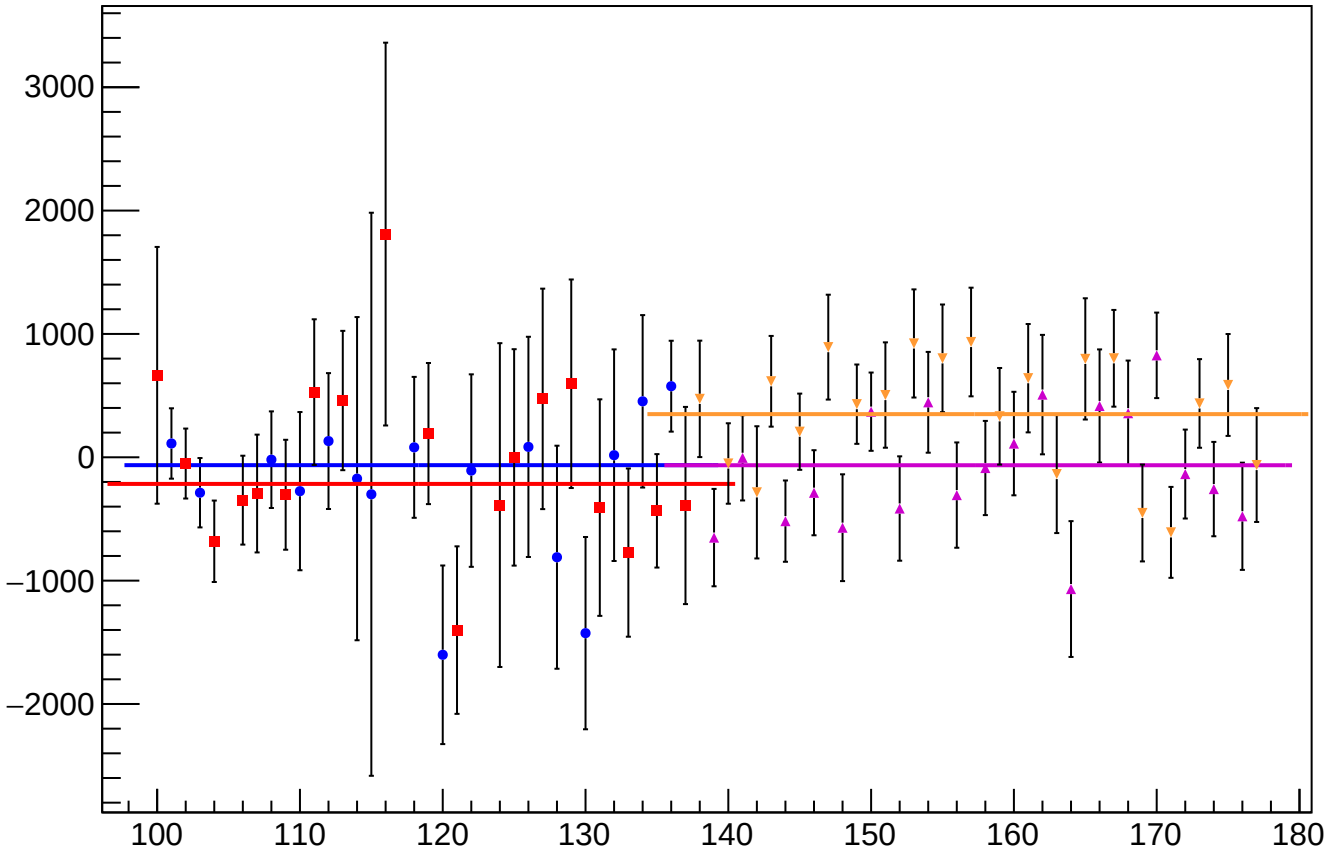
Left: 61.628+/-0.008 χ^2/NDF: 550037.8/39

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 61.709+/-0.009 χ^2/NDF:525278.6/34

Out: 61.348+/-0.009 χ^2/NDF:580318.9/39

All: 61.522+/-0.006 χ^2/NDF: 1106392.5/74



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 349.872+/-87.570 χ^2/NDF:25.8/20

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: -64.470+/-90.080 χ^2/NDF:25.1/18

Left: 148.555+/-62.790 χ^2/NDF: 61.9/39

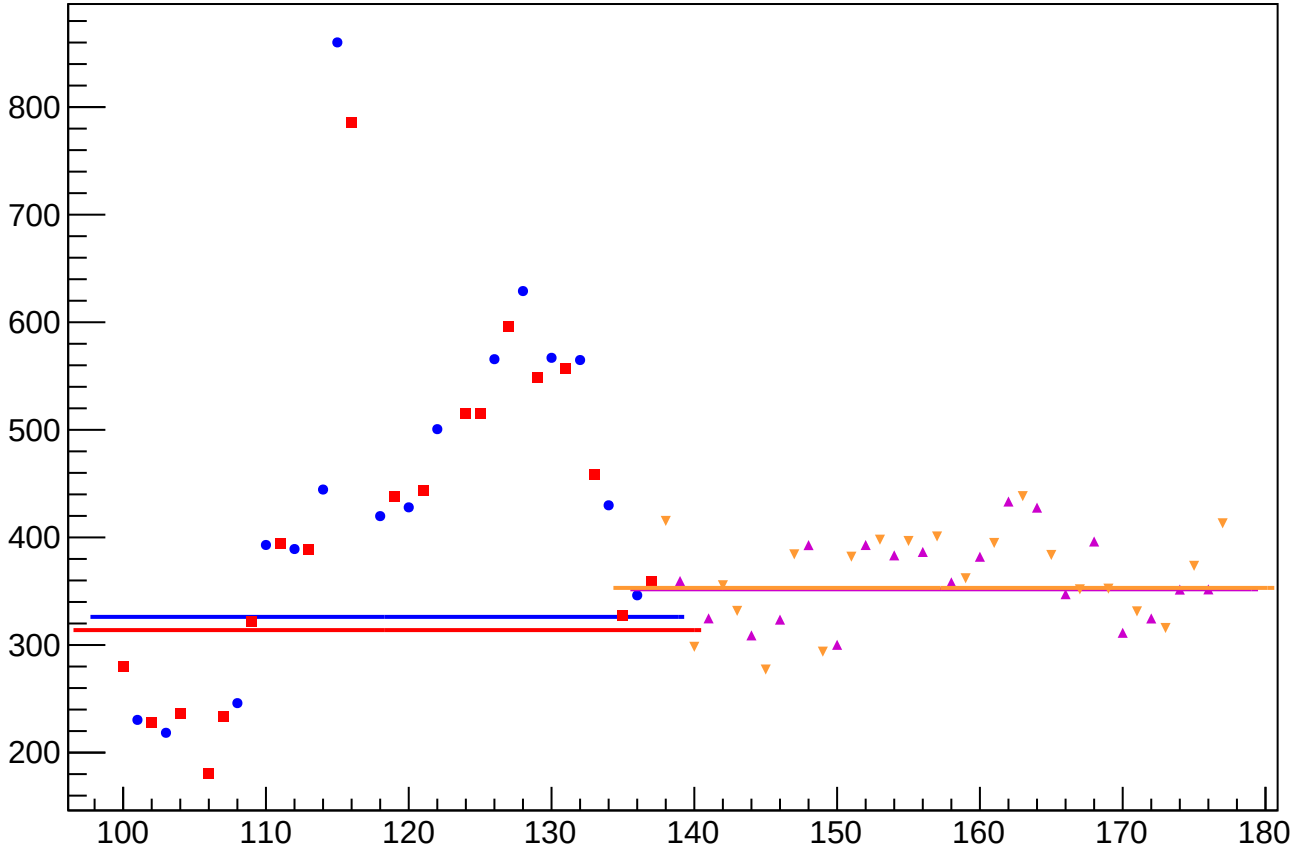
Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -64.259+/-73.982 χ^2/NDF:38.3/34

Out: 160.563+/-71.433 χ^2/NDF:53.9/39

All: 52.092+/-51.388 χ^2/NDF: 97.0/74

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 353.085+/-0.062 χ^2/NDF:528751.0/20

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 351.779+/-0.064 χ^2/NDF:341243.9/18

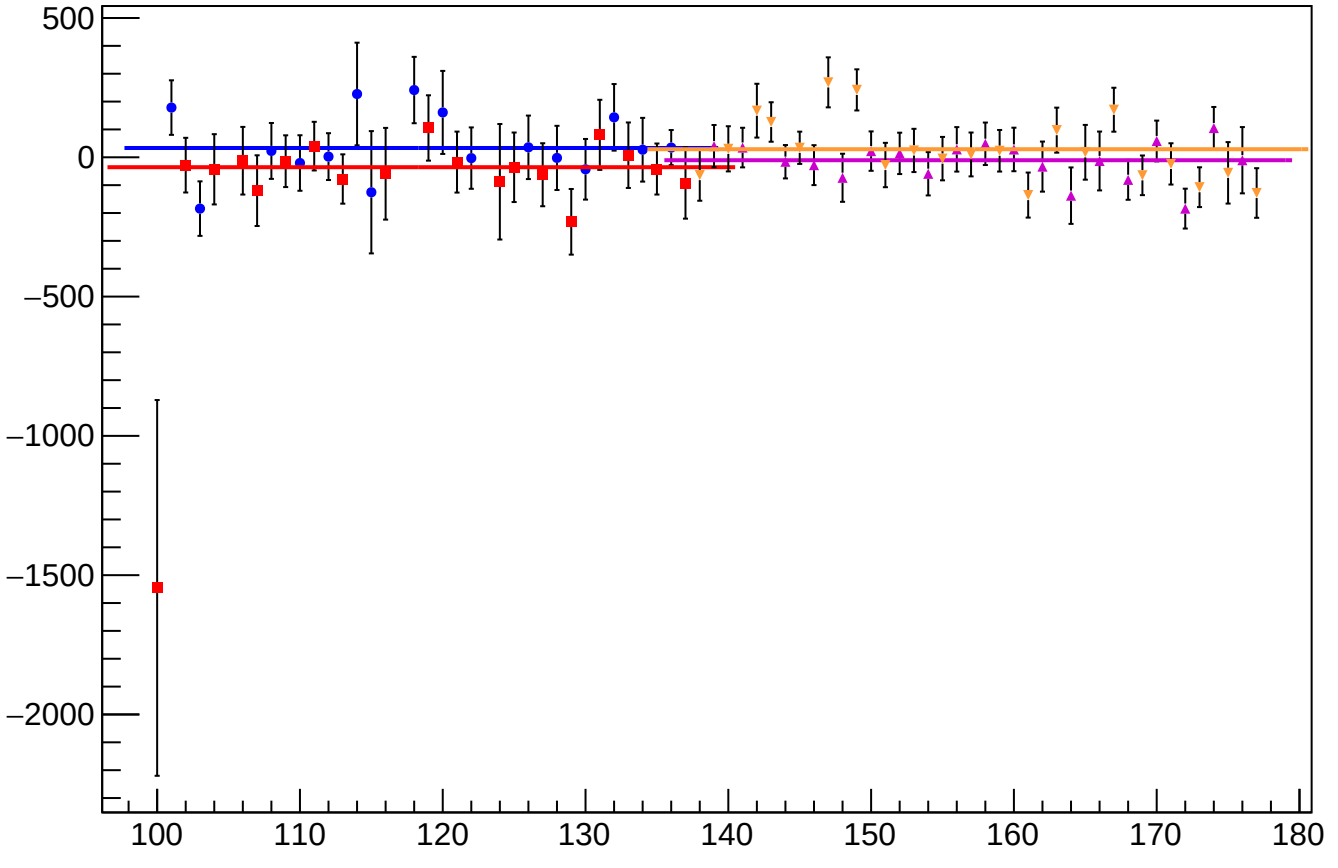
Left: 352.450+/-0.044 χ^2/NDF: 870211.1/39

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 343.437+/-0.052 χ^2/NDF:2127870.6/34

Out: 339.961+/-0.051 χ^2/NDF:2468789.5/39

All: 341.638+/-0.036 χ^2/NDF: 4598945.3/74



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 29.010+/-17.237 χ^2/NDF:38.9/20

Right Out: -35.576+/-26.536 χ^2/NDF: 12.1/18

Left In: -10.545+/-17.811 χ^2/NDF:15.0/18

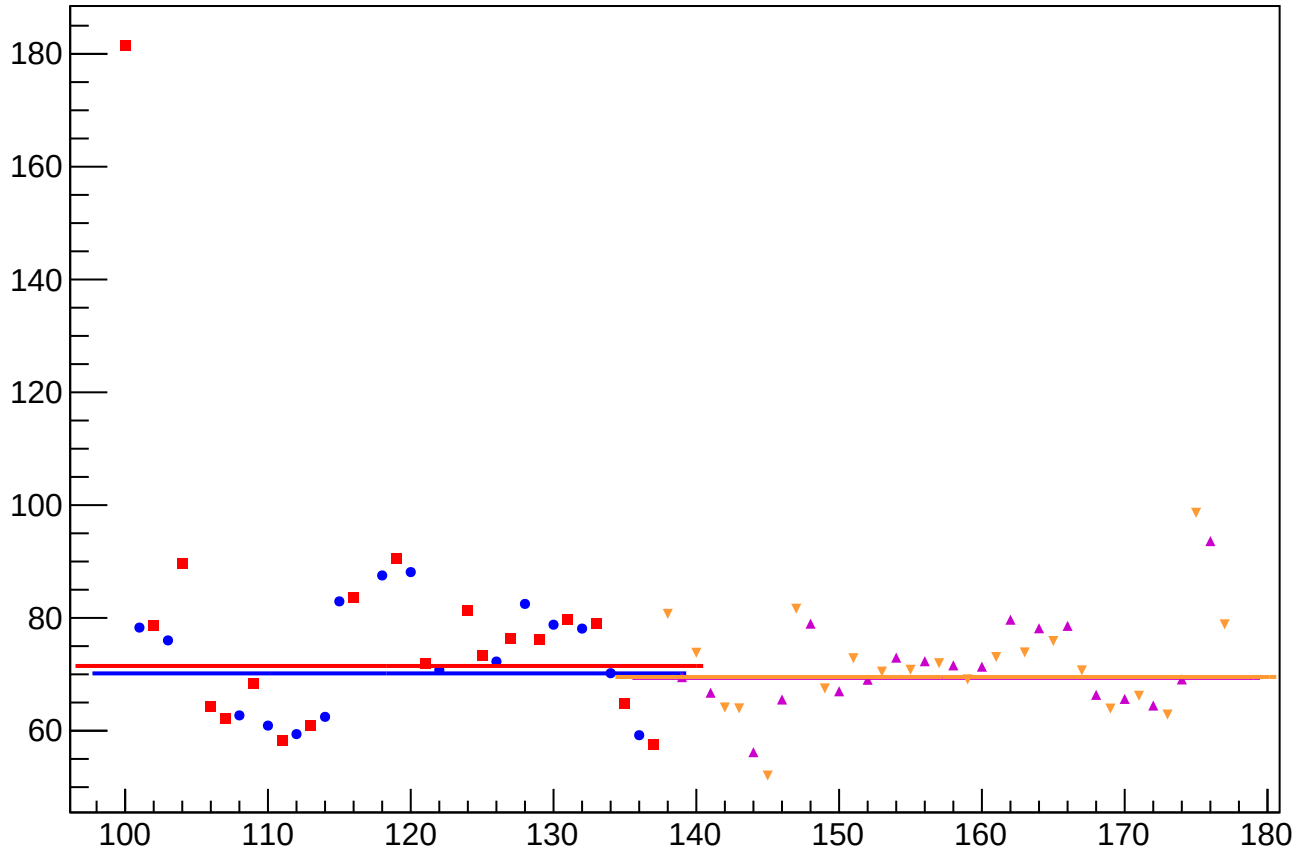
Left: 9.880+/-12.386 χ^2/NDF: 56.4/39

Right: -0.931+/-18.721 χ^2/NDF: 30.0/34

In: 3.190+/-14.767 χ^2/NDF:31.4/34

Out: 9.845+/-14.455 χ^2/NDF:55.2/39

All: 6.589+/-10.330 χ^2/NDF: 86.7/74



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 69.532+/-0.012 χ^2/NDF:493547.9/20

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 69.369+/-0.013 χ^2/NDF:300260.1/18

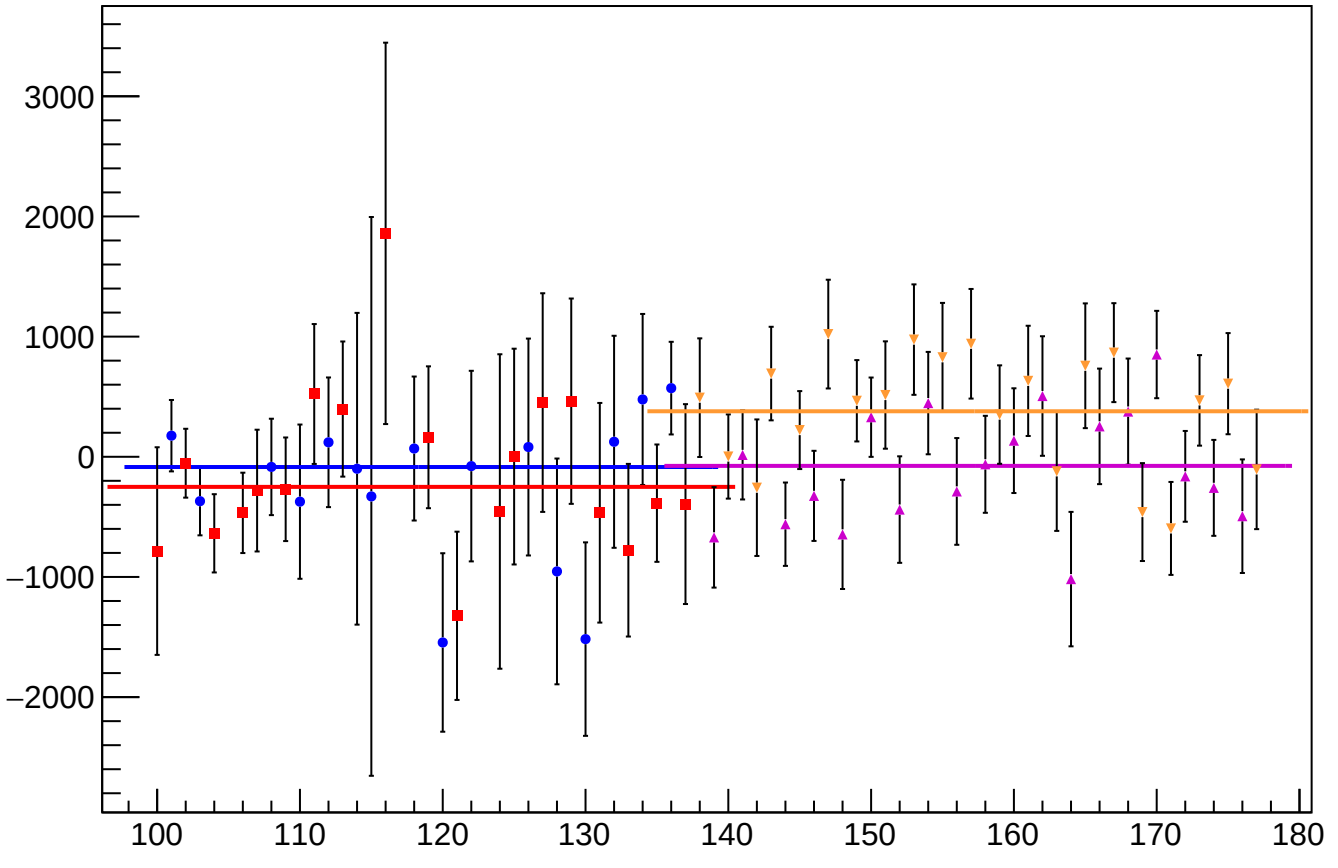
Left: 69.453+/-0.009 χ^2/NDF: 793894.1/39

Right: 70.822+/-0.013 χ^2/NDF: 597434.8/34

In: 69.619+/-0.010 χ^2/NDF:570764.8/34

Out: 70.111+/-0.010 χ^2/NDF:826867.5/39

All: 69.870+/-0.007 χ^2/NDF: 1398766.6/74



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 378.734+/-91.924 χ^2/NDF:24.9/20

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -75.703+/-94.679 χ^2/NDF:23.5/18

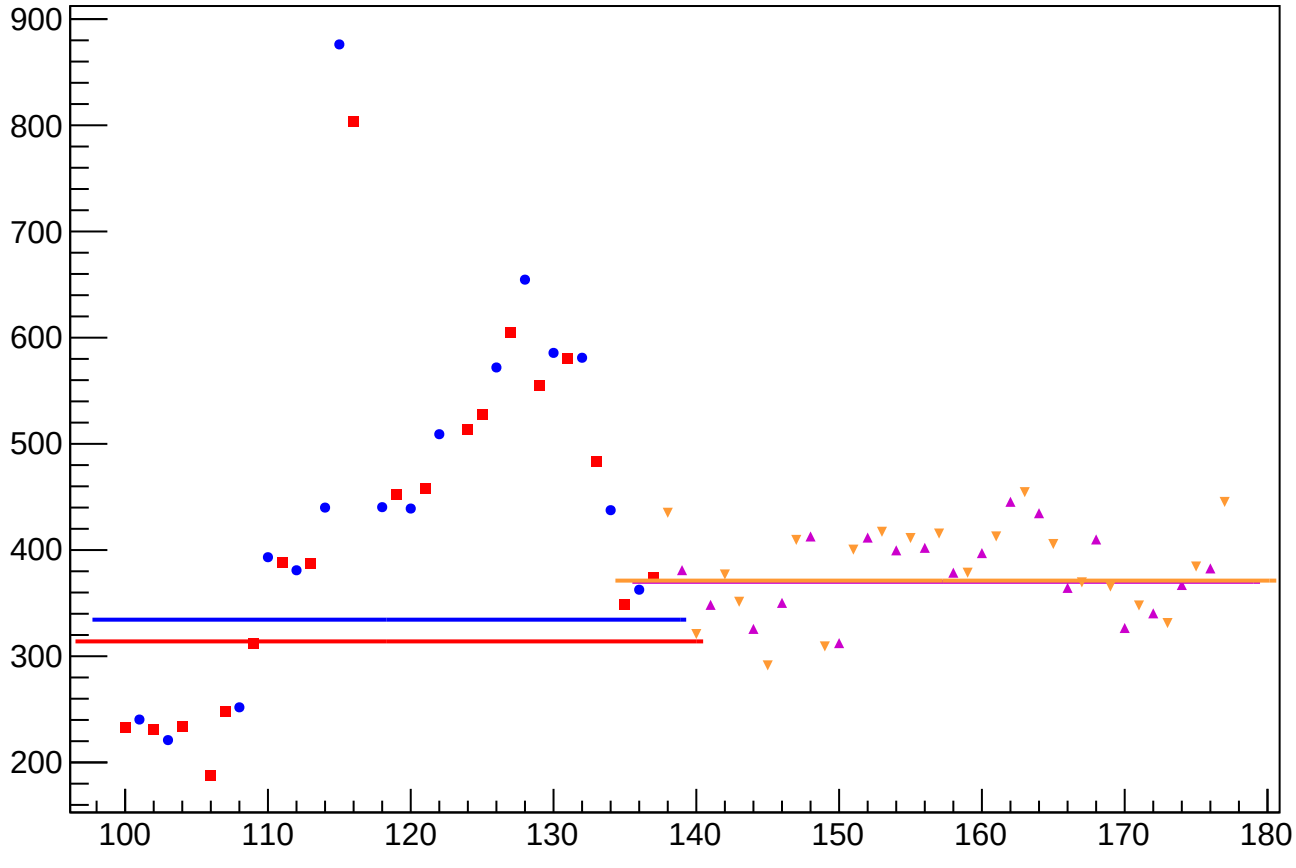
Left: 158.224+/-65.952 χ^2/NDF: 60.2/39

Right: -173.980+/-90.383 χ^2/NDF: 27.0/34

In: -78.896+/-77.107 χ^2/NDF:37.2/34

Out: 153.965+/-73.697 χ^2/NDF:54.1/39

All: 42.798+/-53.277 χ^2/NDF: 96.0/74



Right In: 334.431+/-0.094 χ^2/NDF: 1730610.2/15

Left Out: 371.218+/-0.065 χ^2/NDF:504935.6/20

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

Left In: 370.071+/-0.067 χ^2/NDF:303395.2/18

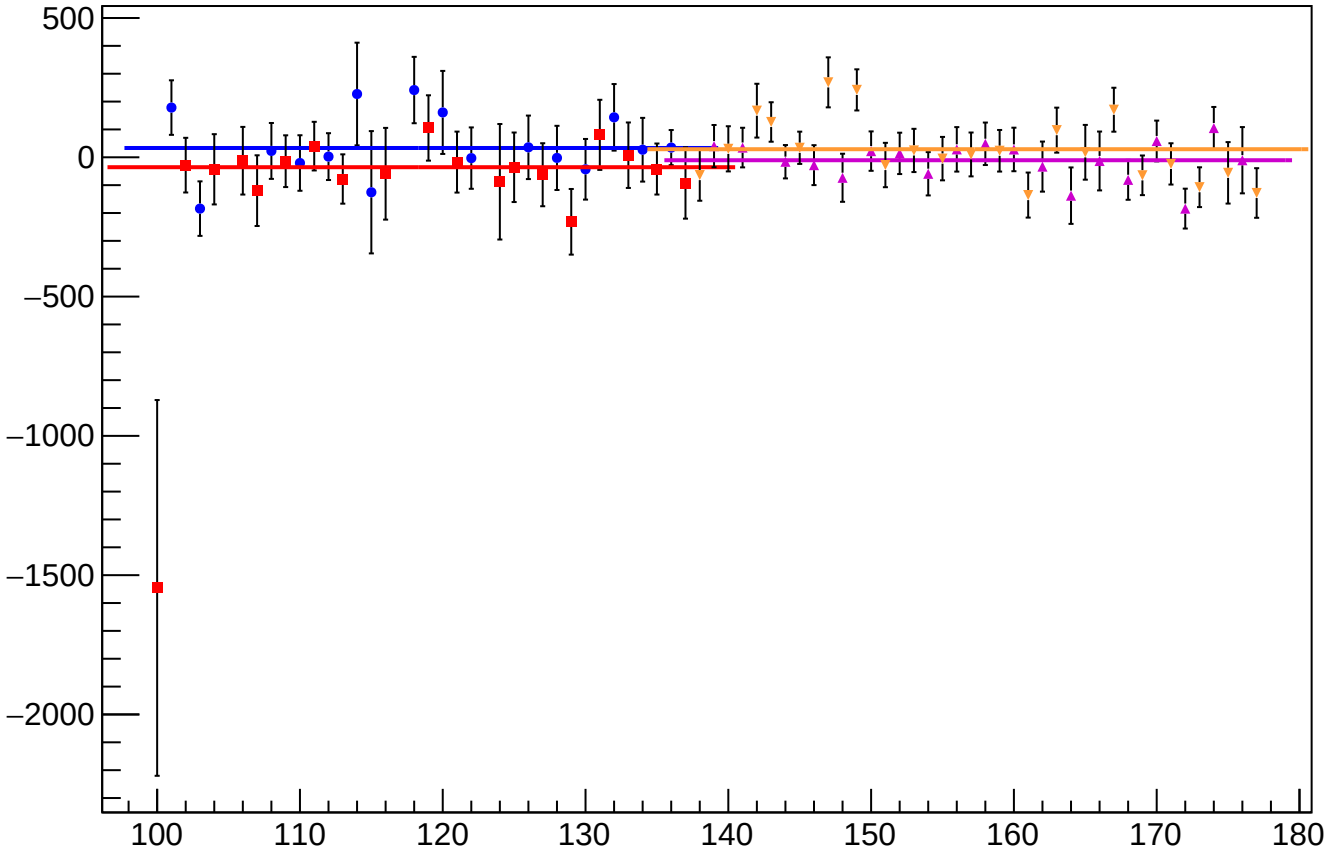
Left: 370.662+/-0.047 χ^2/NDF: 808481.7/39

Right: 323.437+/-0.064 χ^2/NDF: 3660694.2/34

In: 358.070+/-0.055 χ^2/NDF:2129439.1/34

Out: 350.767+/-0.052 χ^2/NDF:2686644.6/39

All: 354.253+/-0.038 χ^2/NDF: 4825459.5/74



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 29.010+/-17.237 χ^2/NDF:38.9/20

Right Out: -35.577+/-26.536 χ^2/NDF: 12.1/18

Left In: -10.544+/-17.811 χ^2/NDF:15.0/18

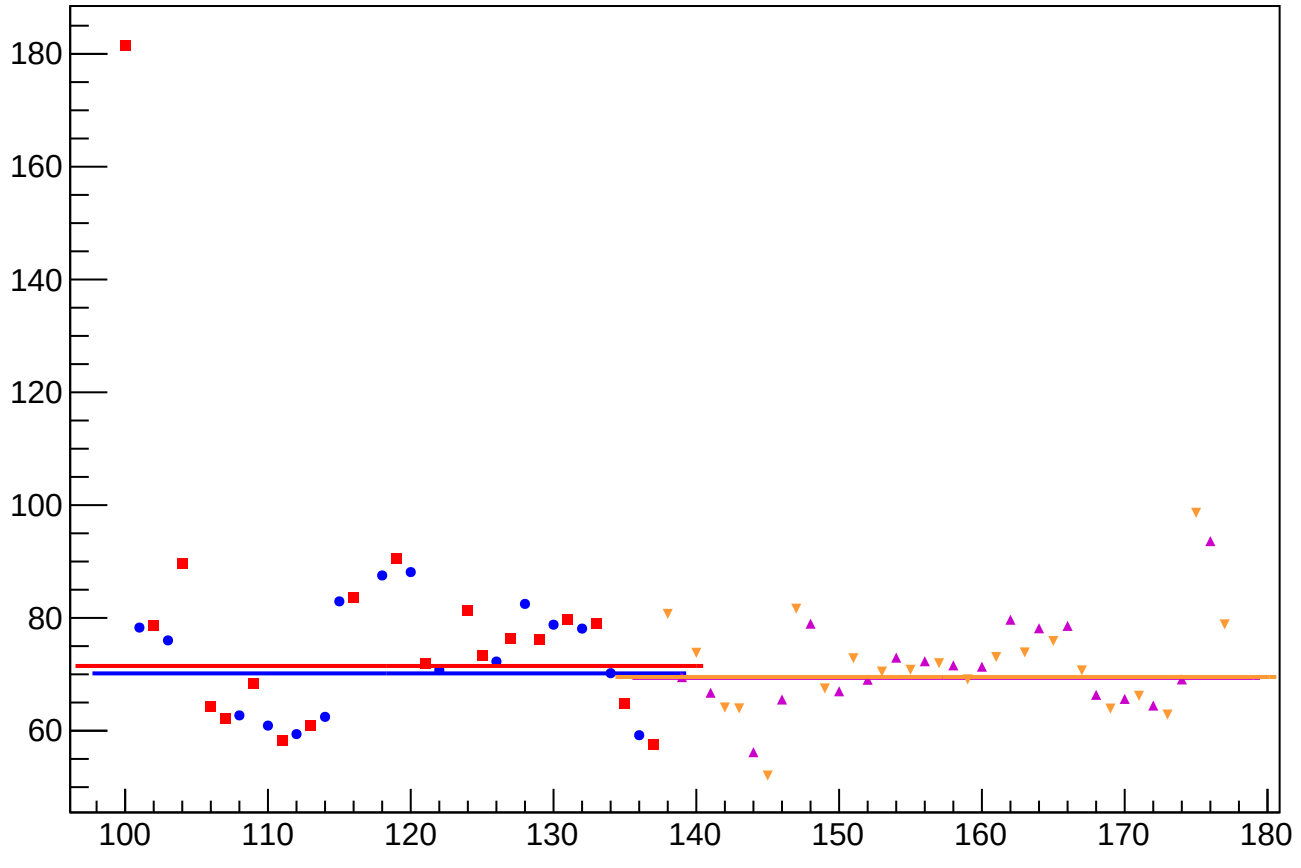
Left: 9.880+/-12.386 χ^2/NDF: 56.4/39

Right: -0.932+/-18.721 χ^2/NDF: 30.0/34

In: 3.190+/-14.767 χ^2/NDF:31.4/34

Out: 9.844+/-14.455 χ^2/NDF:55.2/39

All: 6.588+/-10.330 χ^2/NDF: 86.7/74



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 69.532+/-0.012 χ^2/NDF:493551.5/20

Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 69.369+/-0.013 χ^2/NDF:300259.4/18

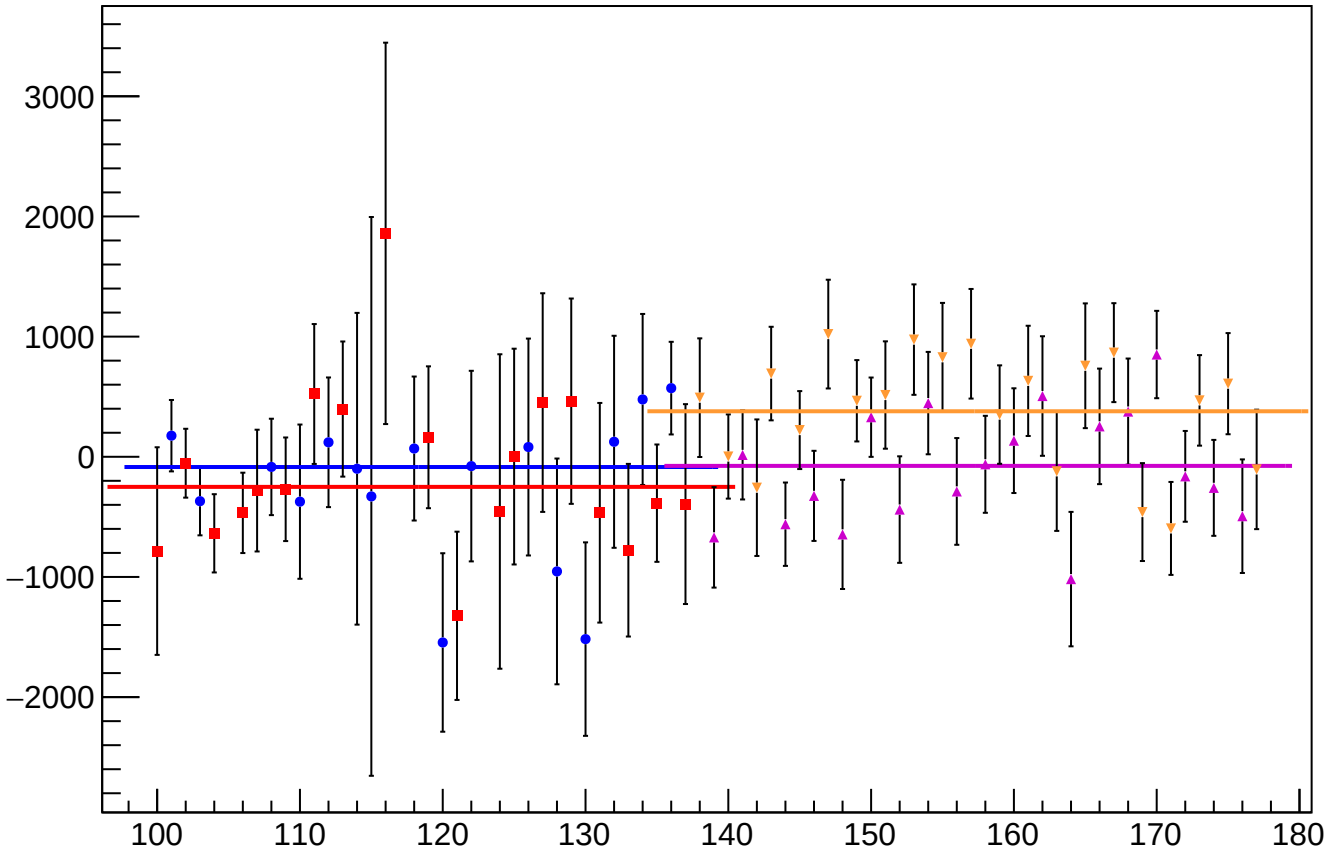
Left: 69.453+/-0.009 χ^2/NDF: 793897.0/39

Right: 70.822+/-0.013 χ^2/NDF: 597444.3/34

In: 69.619+/-0.010 χ^2/NDF:570767.6/34

Out: 70.111+/-0.010 χ^2/NDF:826878.6/39

All: 69.870+/-0.007 χ^2/NDF: 1398780.5/74



Right In: -85.185+/-132.877 χ^2/NDF: 13.7/15

Left Out: 378.733+/-91.924 χ^2/NDF:24.9/20

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -75.702+/-94.679 χ^2/NDF:23.5/18

Left: 158.223+/-65.952 χ^2/NDF: 60.2/39

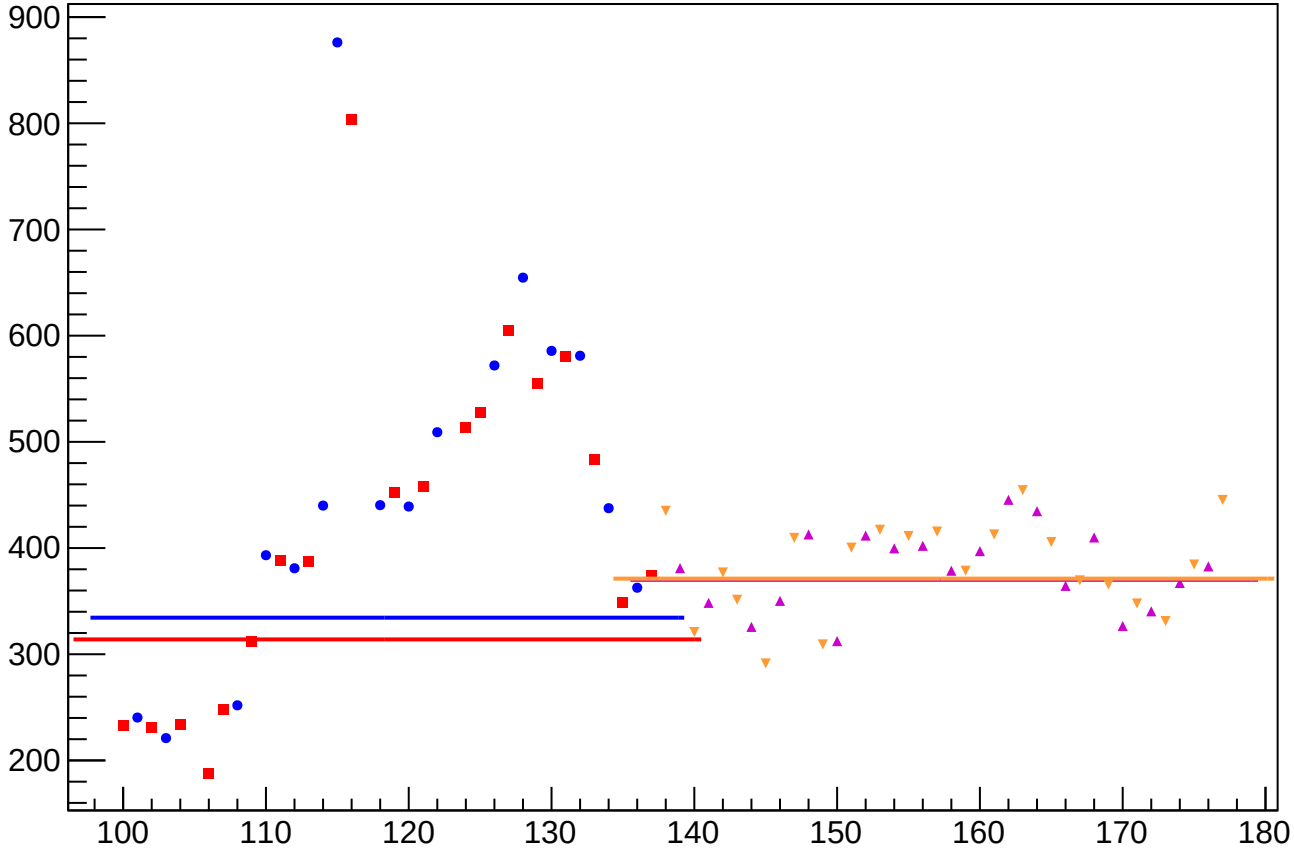
Right: -173.981+/-90.383 χ^2/NDF: 27.0/34

In: -78.896+/-77.107 χ^2/NDF:37.2/34

Out: 153.965+/-73.697 χ^2/NDF:54.1/39

All: 42.798+/-53.277 χ^2/NDF: 96.0/74

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 334.431+/-0.094 χ^2/NDF: 1730609.3/15

Left Out: 371.218+/-0.065 χ^2/NDF:504938.2/20

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

Left In: 370.071+/-0.067 χ^2/NDF:303395.3/18

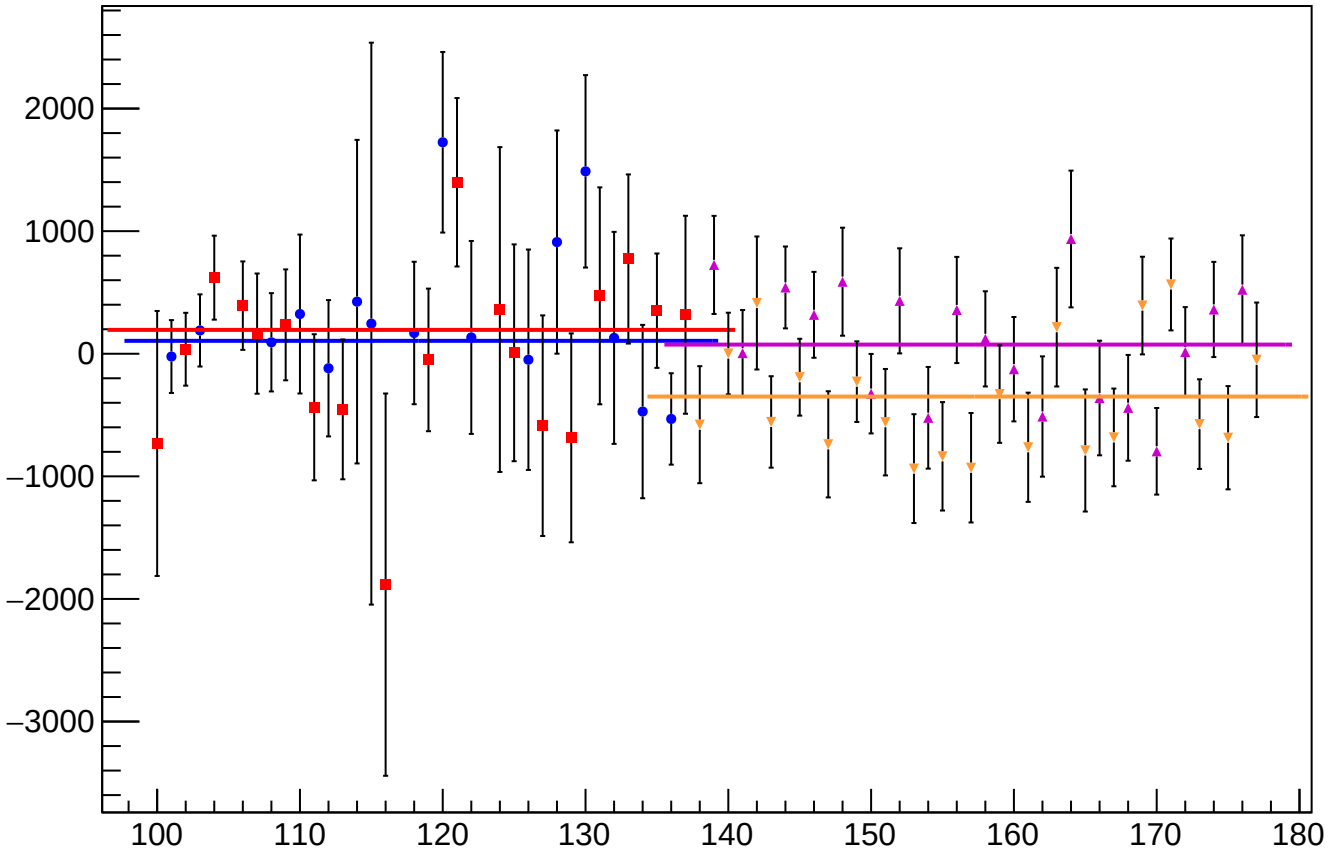
Left: 370.661+/-0.047 χ^2/NDF: 808484.5/39

Right: 323.437+/-0.064 χ^2/NDF: 3660692.3/34

In: 358.070+/-0.055 χ^2/NDF:2129436.1/34

Out: 350.767+/-0.052 χ^2/NDF:2686643.0/39

All: 354.253+/-0.038 χ^2/NDF: 4825455.1/74



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -349.139+/-88.961 χ^2/NDF:24.3/20

Right Out: 194.712+/-126.198 χ^2/NDF: 13.1/18

Left In: 74.696+/-91.524 χ^2/NDF:25.2/18

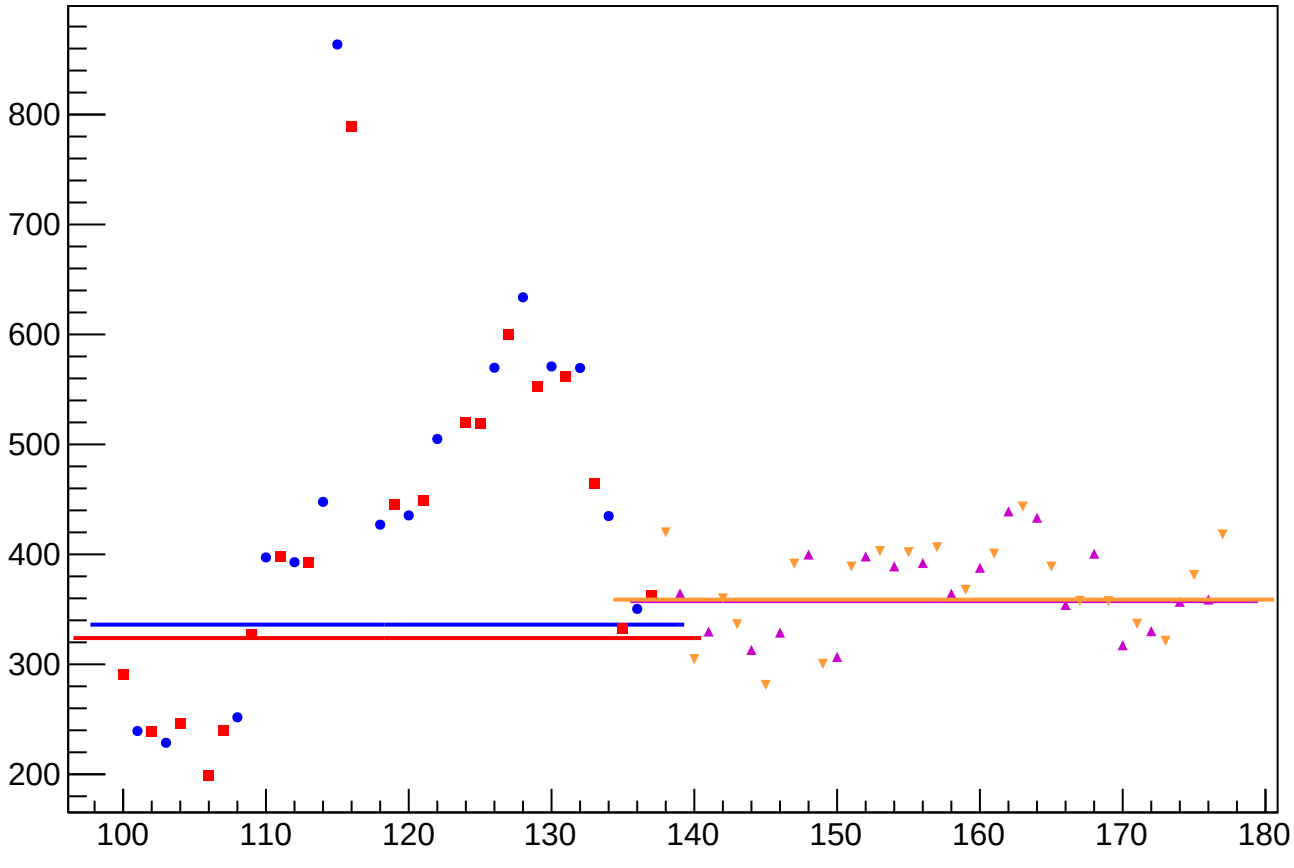
Left: -143.239+/-63.792 χ^2/NDF: 60.5/39

Right: 152.409+/-91.561 χ^2/NDF: 26.3/34

In: 84.556+/-75.405 χ^2/NDF:38.2/34

Out: -168.599+/-72.711 χ^2/NDF:49.8/39

All: -46.625+/-52.341 χ^2/NDF: 93.9/74



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 358.858+/-0.063 χ^2/NDF:514171.1/20

Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 357.525+/-0.065 χ^2/NDF:331777.8/18

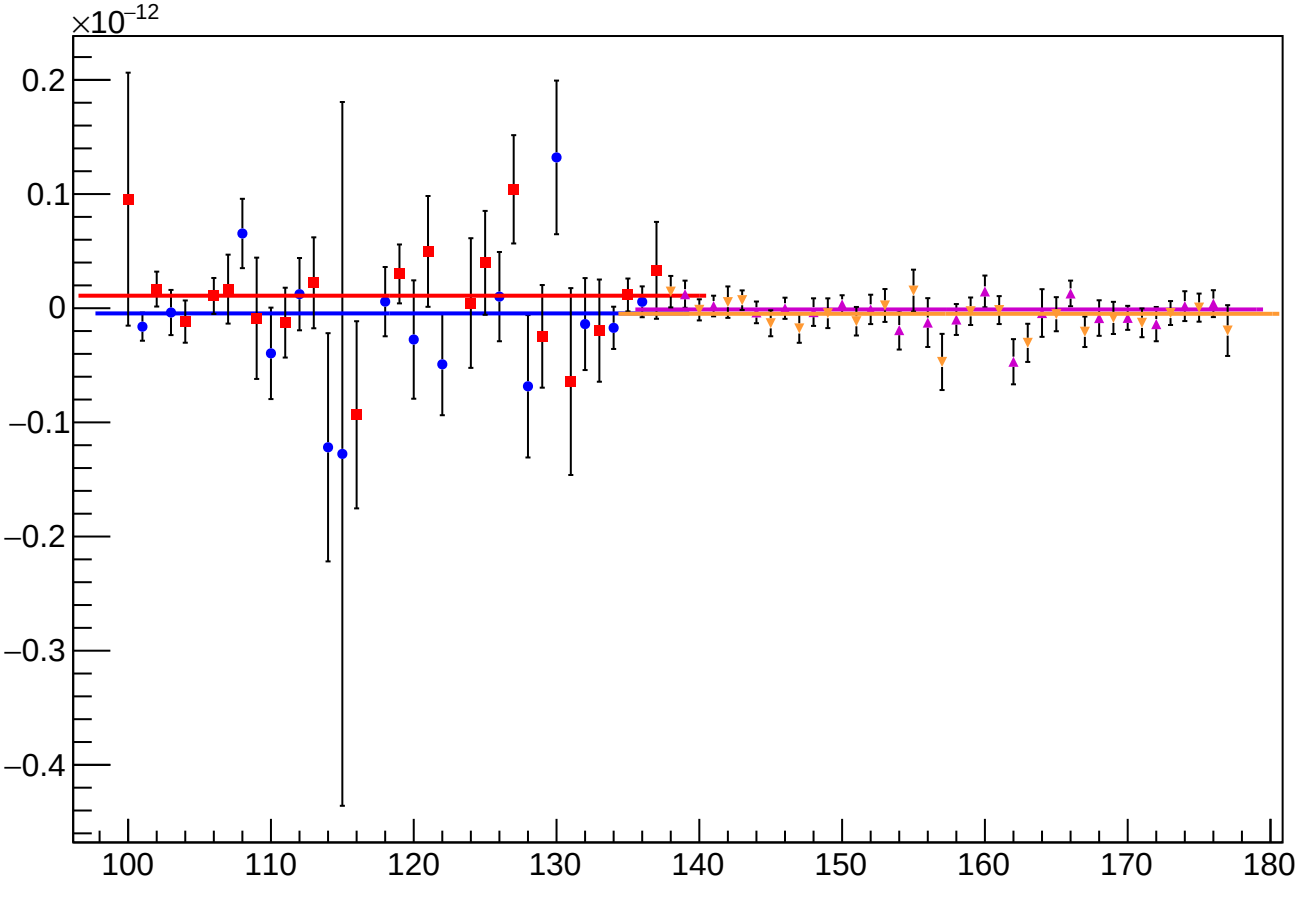
Left: 358.211+/-0.045 χ^2/NDF: 846166.8/39

Right: 329.666+/-0.065 χ^2/NDF: 3293280.0/34

In: 350.641+/-0.053 χ^2/NDF:1986007.0/34

Out: 347.248+/-0.051 χ^2/NDF:2282198.8/39

All: 348.883+/-0.037 χ^2/NDF: 4270303.4/74



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: -0.000+/-0.000 χ^2/NDF:13.5/18

Left: -0.000+/-0.000 χ^2/NDF: 30.2/39

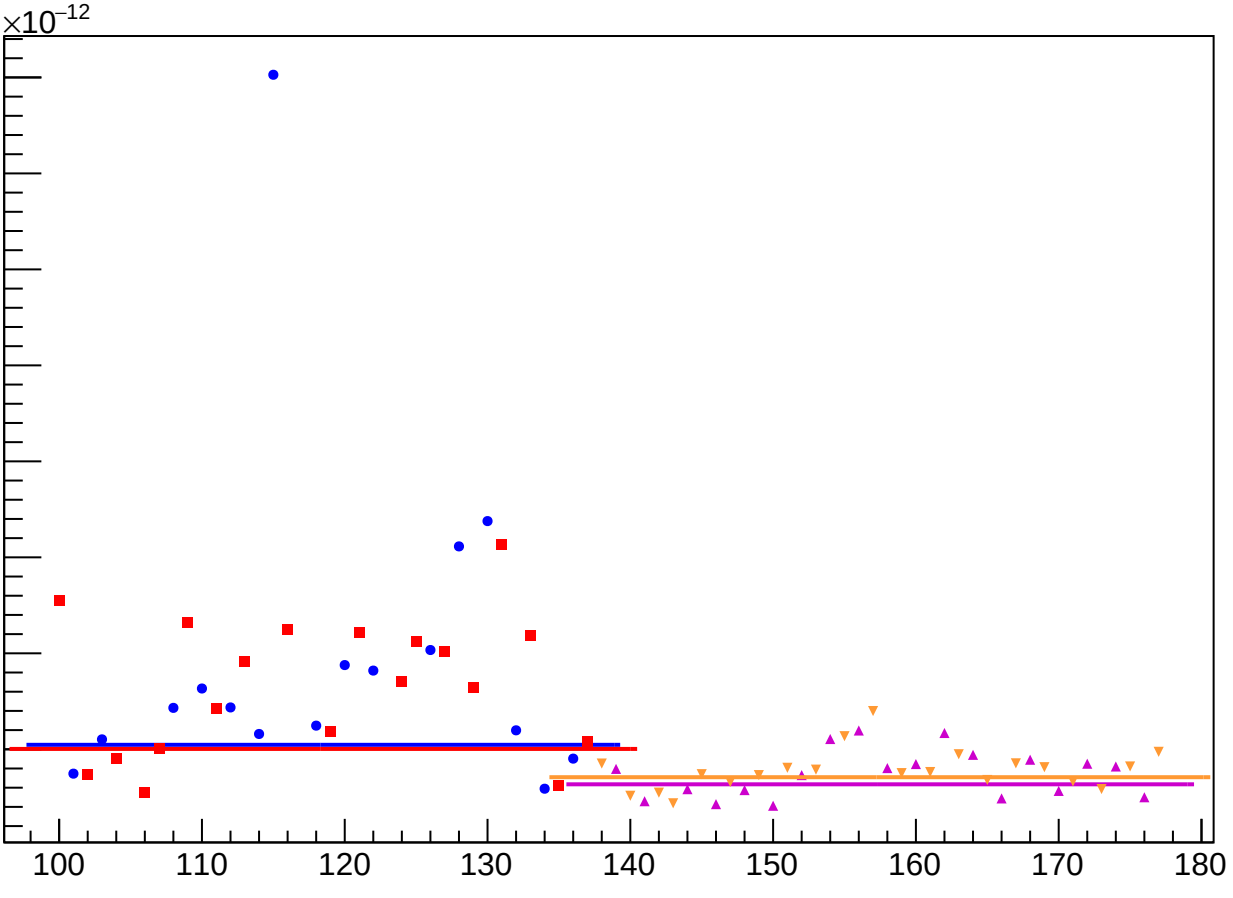
Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:30.3/34

Out: -0.000+/-0.000 χ^2/NDF:33.3/39

All: -0.000+/-0.000 χ^2/NDF: 63.6/74

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:782526.7/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1150071.6/18

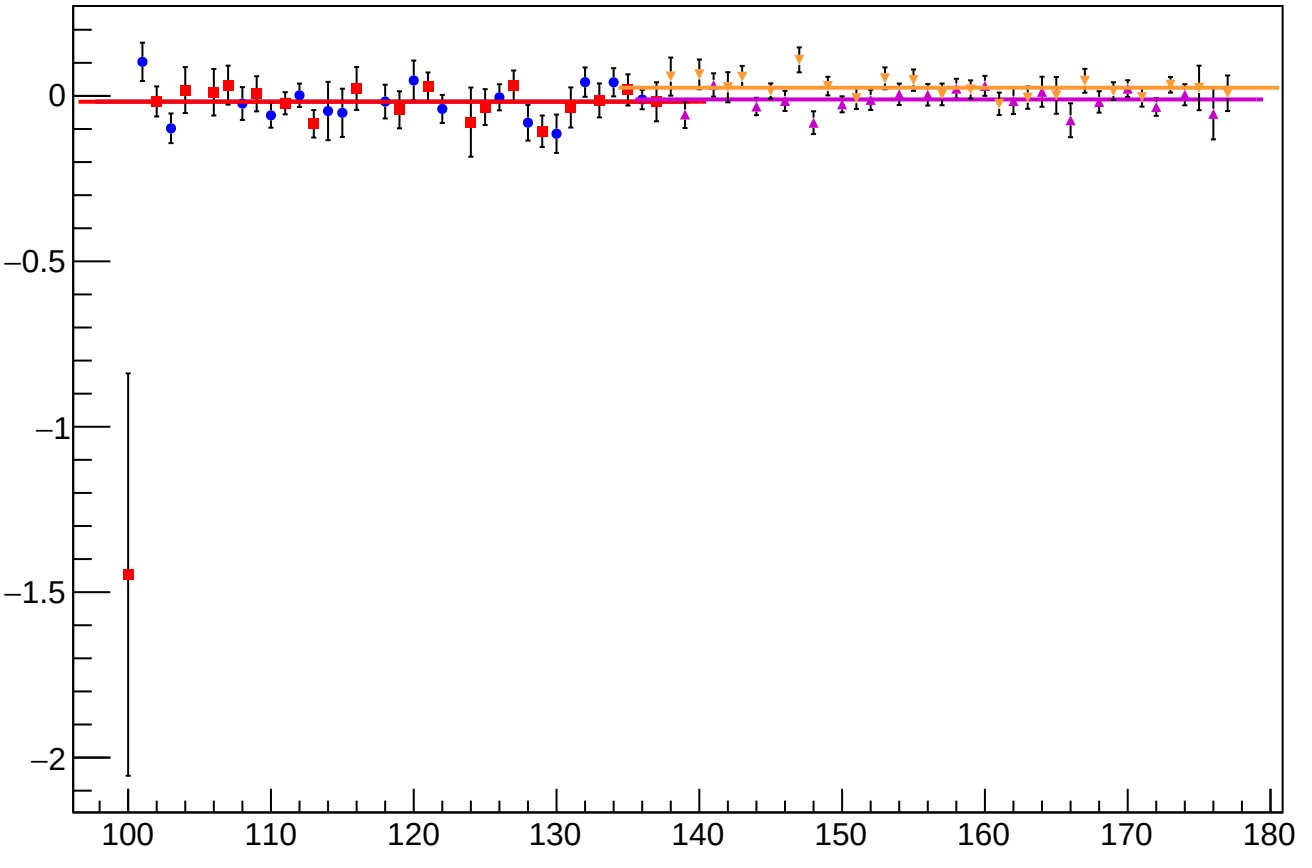
Left: 0.000+/-0.000 χ^2/NDF: 2003476.0/39

Right: 0.000+/-0.000 χ^2/NDF: 2604050.5/34

In: 0.000+/-0.000 χ^2/NDF:3021719.8/34

Out: 0.000+/-0.000 χ^2/NDF:2552672.9/39

All: 0.000+/-0.000 χ^2/NDF: 5624046.6/74



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:14.6/20

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.011+/-0.007 χ^2/NDF:16.2/18

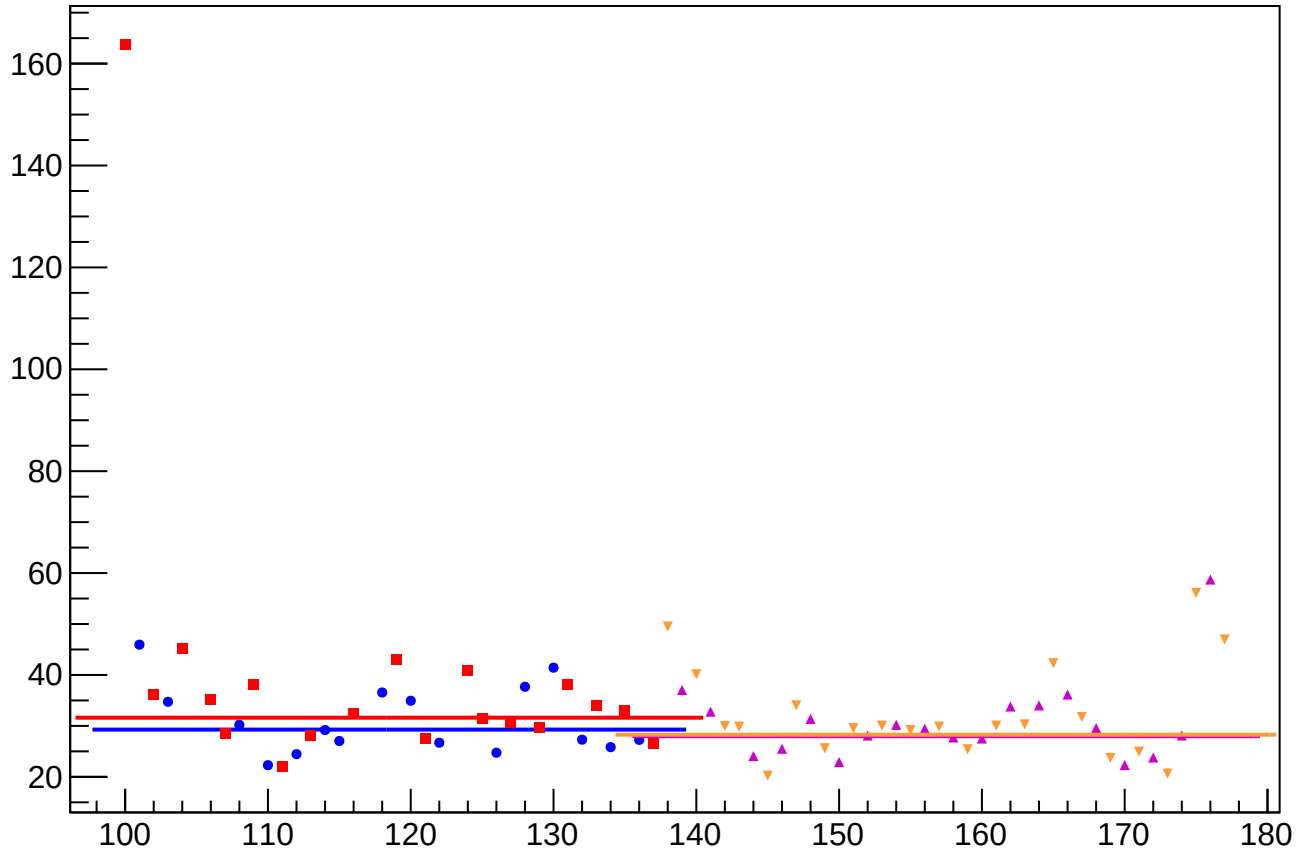
Left: 0.007+/-0.005 χ^2/NDF: 42.6/39

Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.006 χ^2/NDF:35.3/34

Out: 0.014+/-0.006 χ^2/NDF:40.5/39

All: 0.000+/-0.004 χ^2/NDF: 84.6/74



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.270+/-0.005 χ^2/NDF:1807234.8/20

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 27.979+/-0.005 χ^2/NDF:914105.3/18

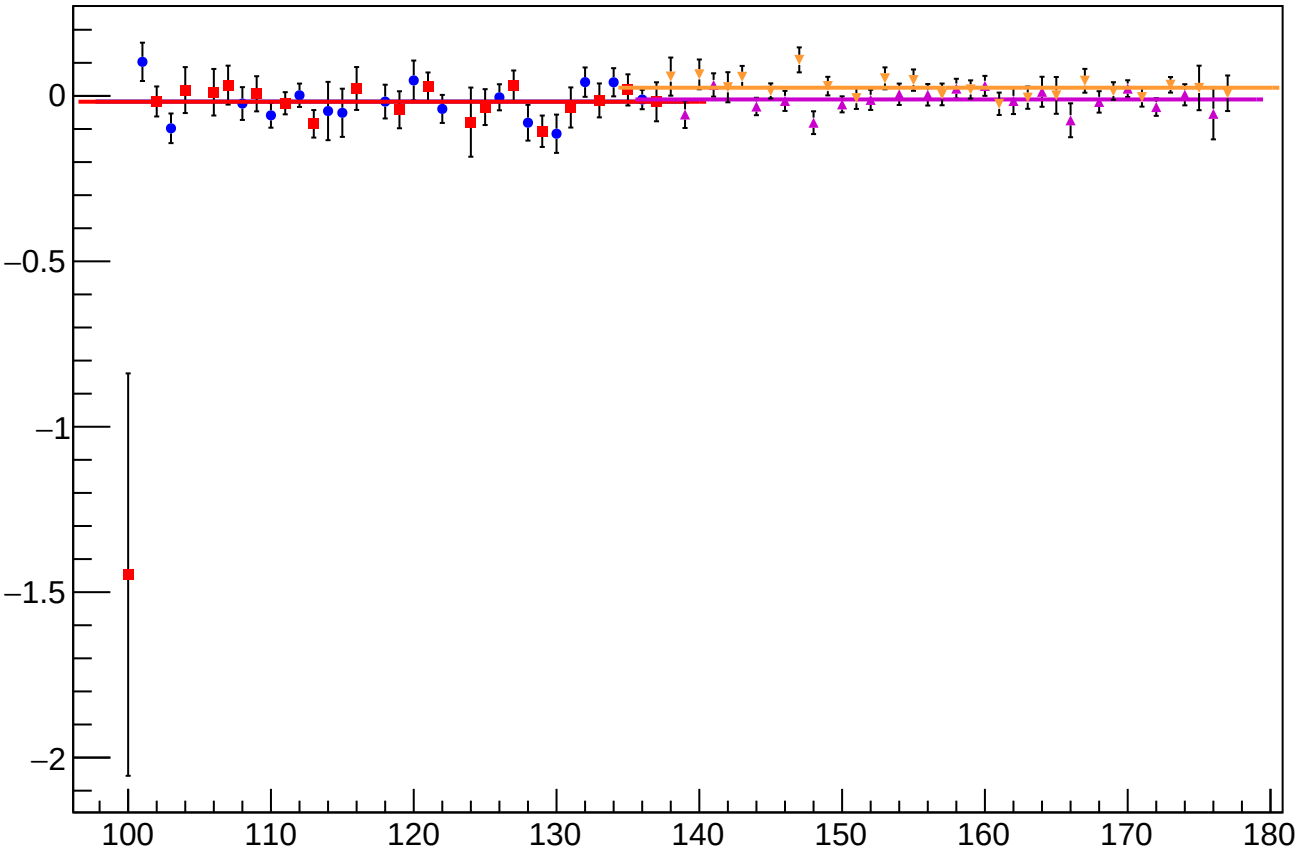
Left: 28.127+/-0.004 χ^2/NDF: 2722920.1/39

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.367+/-0.004 χ^2/NDF:1493174.8/34

Out: 29.154+/-0.004 χ^2/NDF:2491724.9/39

All: 28.759+/-0.003 χ^2/NDF: 4000994.7/74



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:14.6/20

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.011+/-0.007 χ^2/NDF:16.2/18

Left: 0.007+/-0.005 χ^2/NDF: 42.6/39

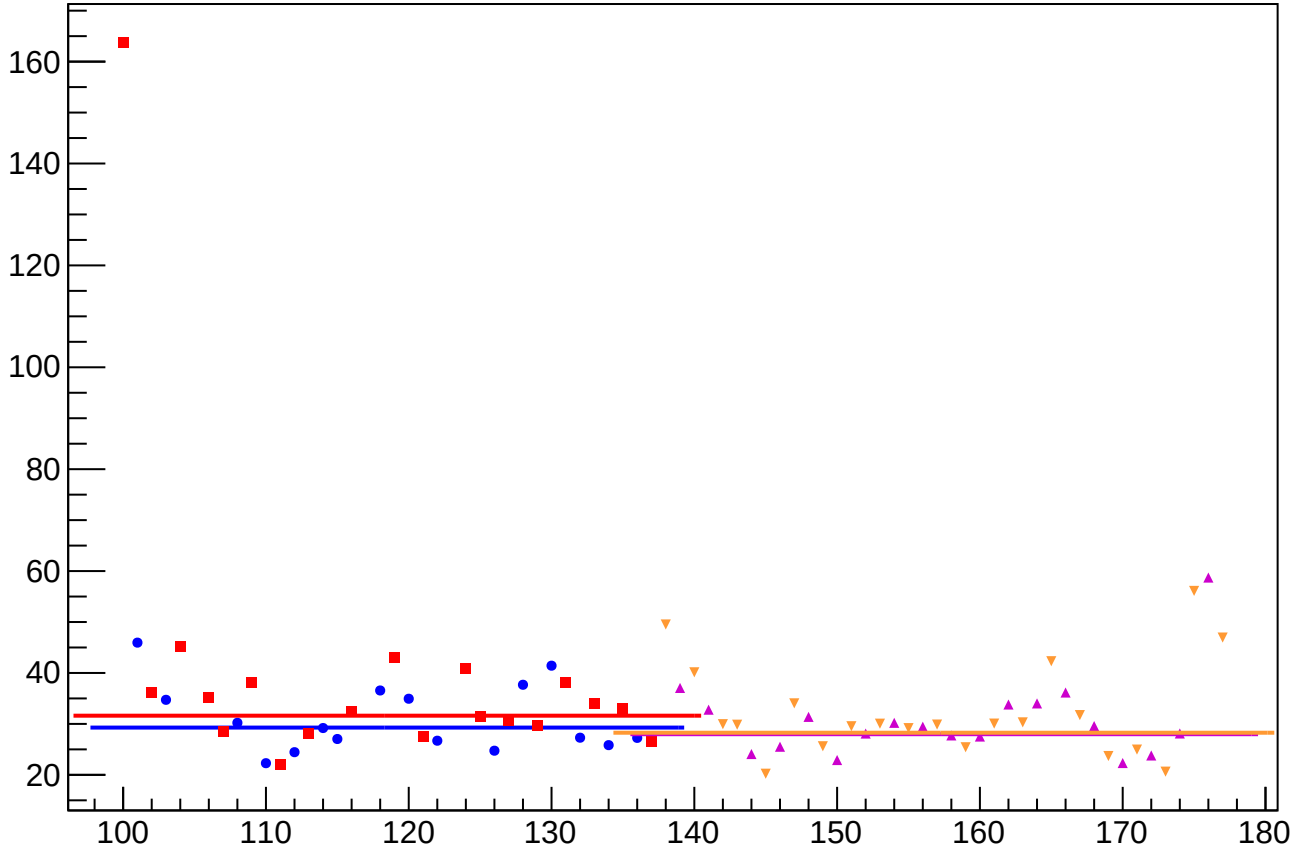
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.006 χ^2/NDF:35.3/34

Out: 0.014+/-0.006 χ^2/NDF:40.5/39

All: 0.000+/-0.004 χ^2/NDF: 84.6/74

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: 28.270+/-0.005 χ^2/NDF:1807234.8/20

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 27.979+/-0.005 χ^2/NDF:914105.3/18

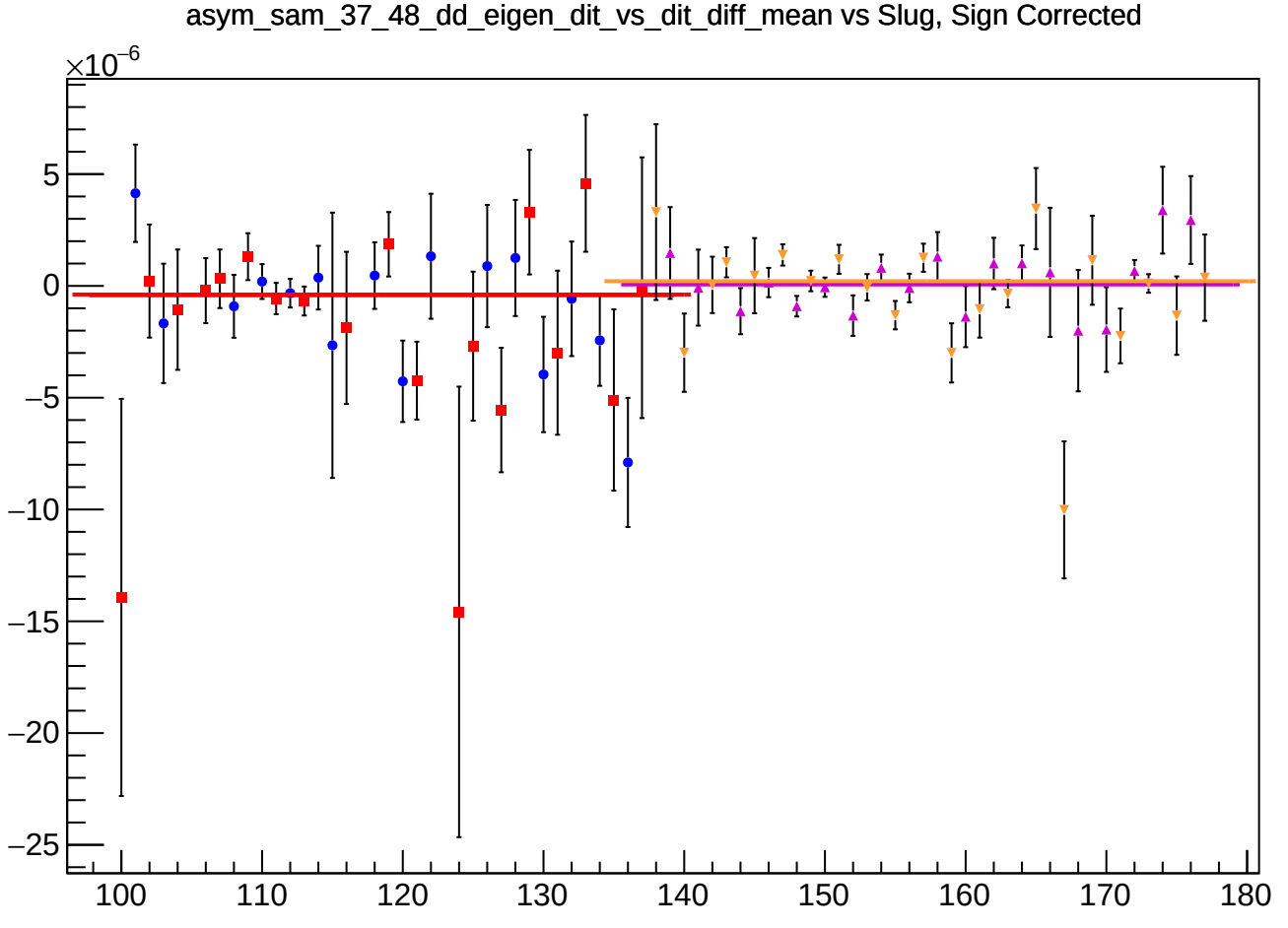
Left: 28.127+/-0.004 χ^2/NDF: 2722920.1/39

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.367+/-0.004 χ^2/NDF:1493174.8/34

Out: 29.154+/-0.004 χ^2/NDF:2491724.9/39

All: 28.759+/-0.003 χ^2/NDF: 4000994.7/74



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:49.8/20

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/18

Left In: 0.000+/-0.000 χ^2/NDF:23.2/18

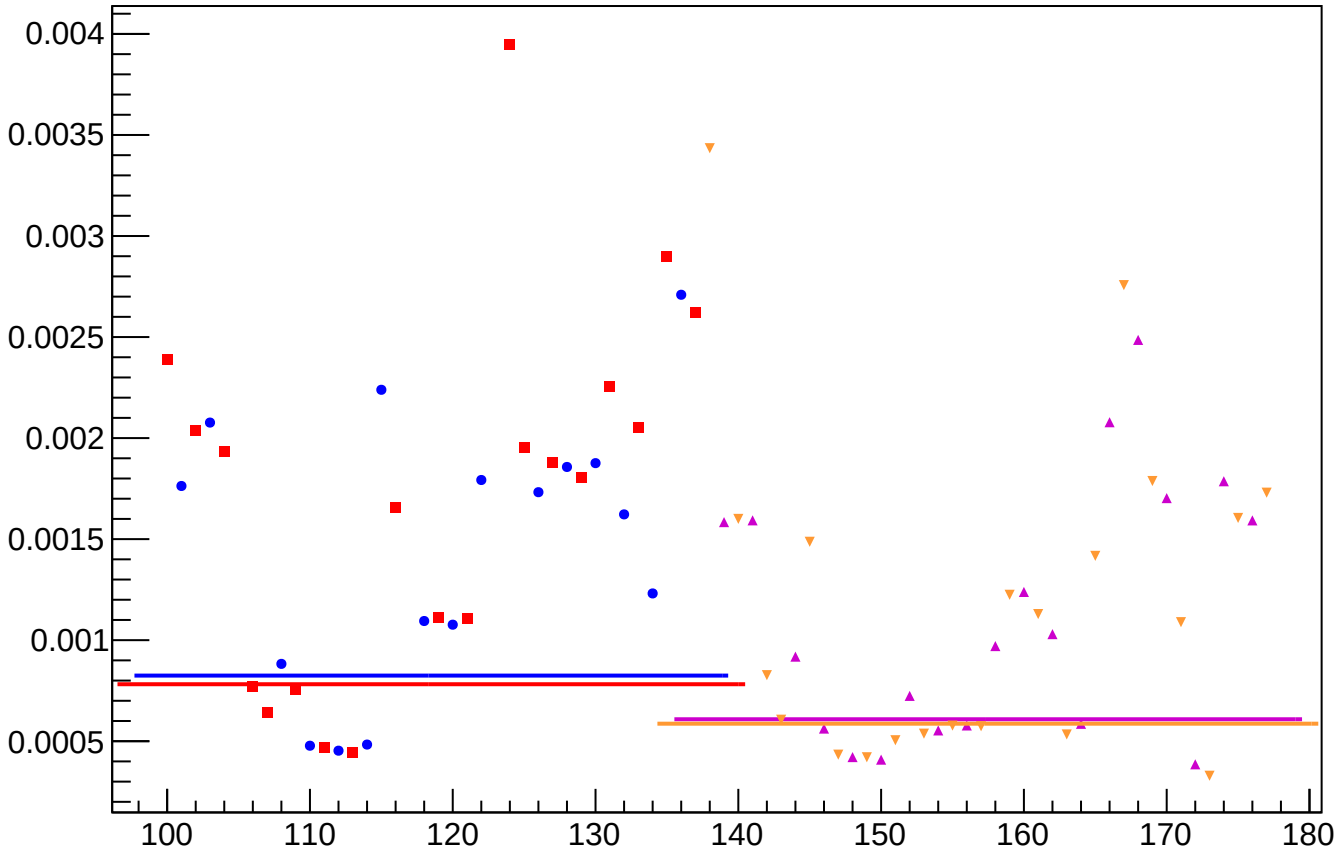
Left: 0.000+/-0.000 χ^2/NDF: 73.3/39

Right: -0.000+/-0.000 χ^2/NDF: 46.5/34

In: -0.000+/-0.000 χ^2/NDF:45.8/34

Out: 0.000+/-0.000 χ^2/NDF:77.4/39

All: 0.000+/-0.000 χ^2/NDF: 123.6/74



Right In: 0.001+/-0.000 χ^2/NDF: 4448725.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:8361868.3/20

Right Out: 0.001+/-0.000 χ^2/NDF: 4638419.3/18

Left In: 0.001+/-0.000 χ^2/NDF:6836131.3/18

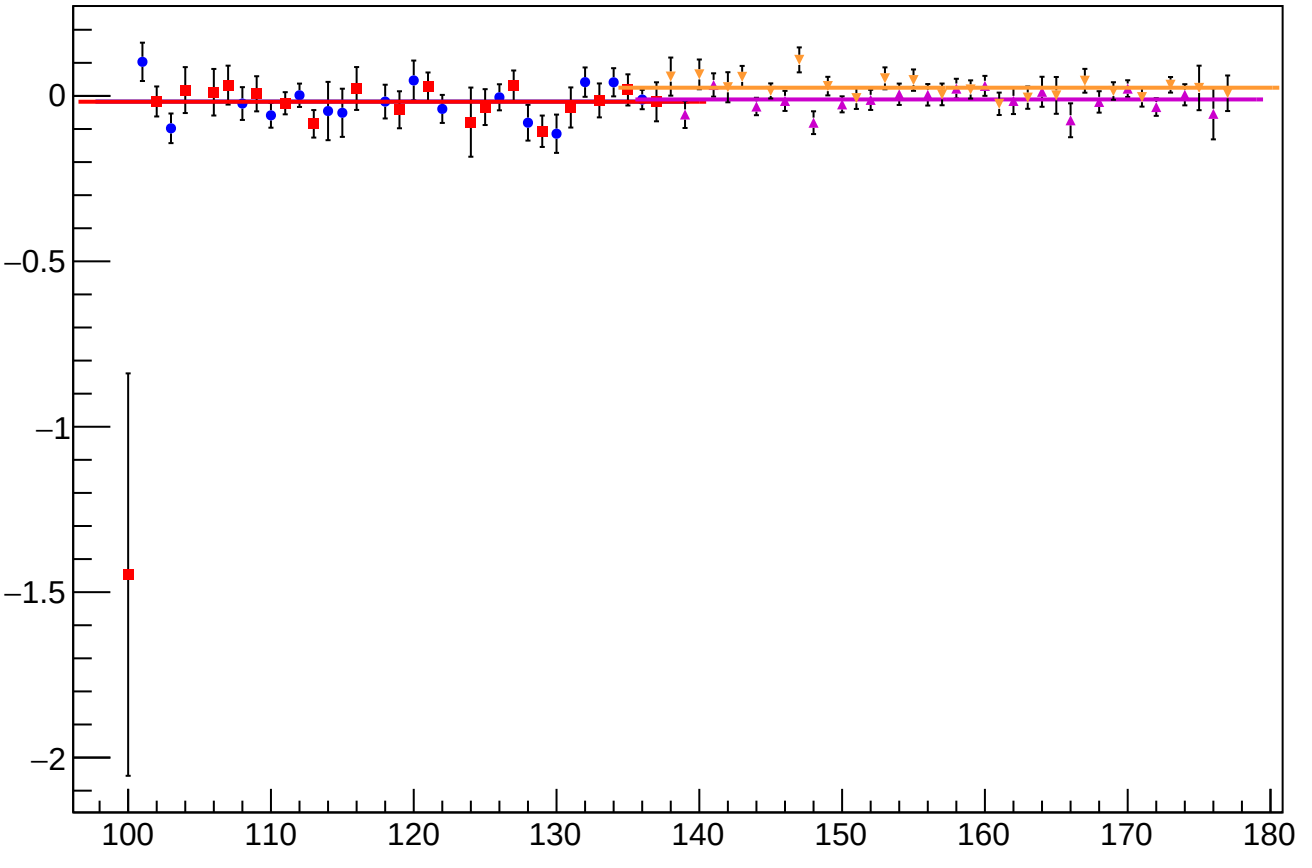
Left: 0.001+/-0.000 χ^2/NDF: 15213291.4/39

Right: 0.001+/-0.000 χ^2/NDF: 9101271.0/34

In: 0.001+/-0.000 χ^2/NDF:11829983.6/34

Out: 0.001+/-0.000 χ^2/NDF:13507228.5/39

All: 0.001+/-0.000 χ^2/NDF: 25366590.8/74



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:14.6/20

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.011+/-0.007 χ^2/NDF:16.2/18

Left: 0.007+/-0.005 χ^2/NDF: 42.6/39

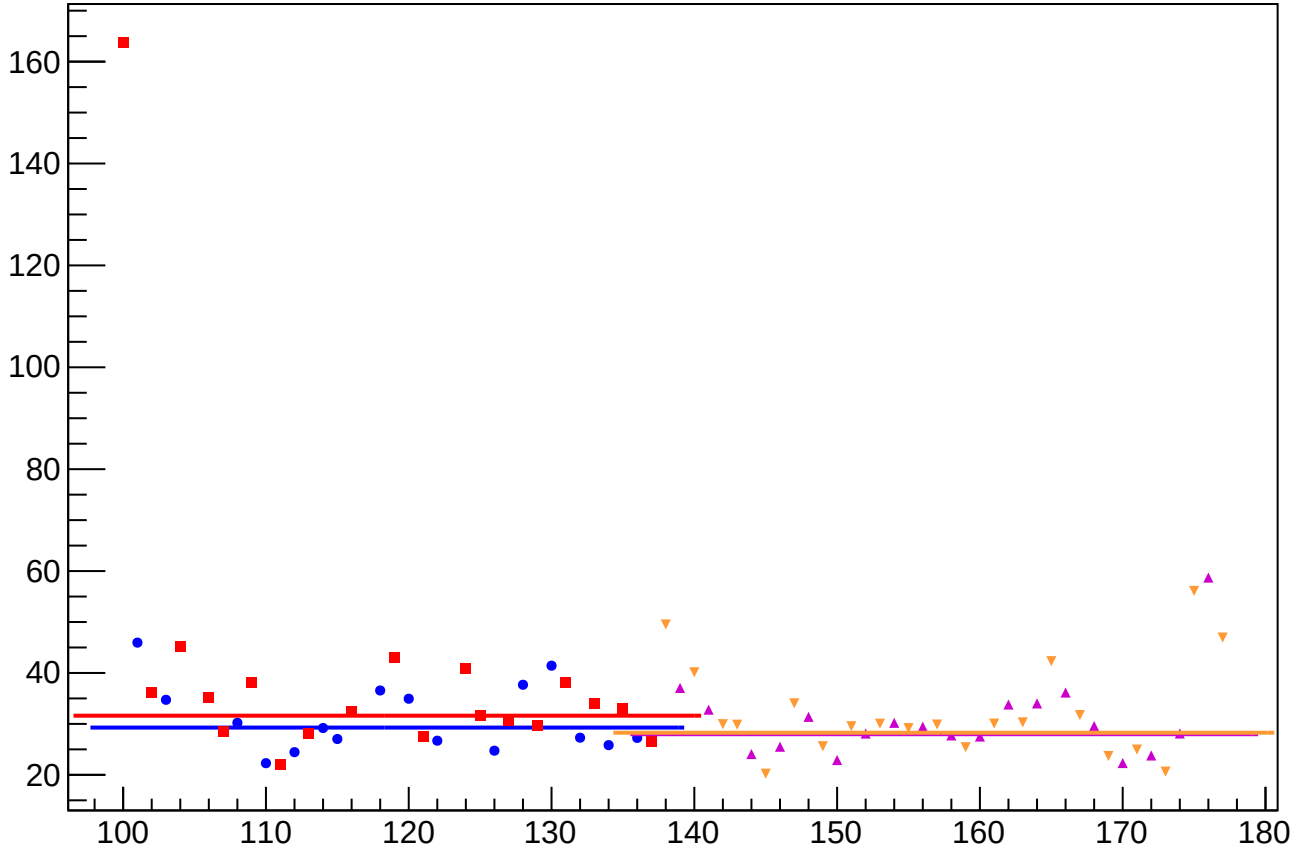
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.006 χ^2/NDF:35.3/34

Out: 0.014+/-0.006 χ^2/NDF:40.5/39

All: 0.000+/-0.004 χ^2/NDF: 84.6/74

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: 28.270+/-0.005 χ^2/NDF:1807275.7/20

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 27.979+/-0.005 χ^2/NDF:914081.8/18

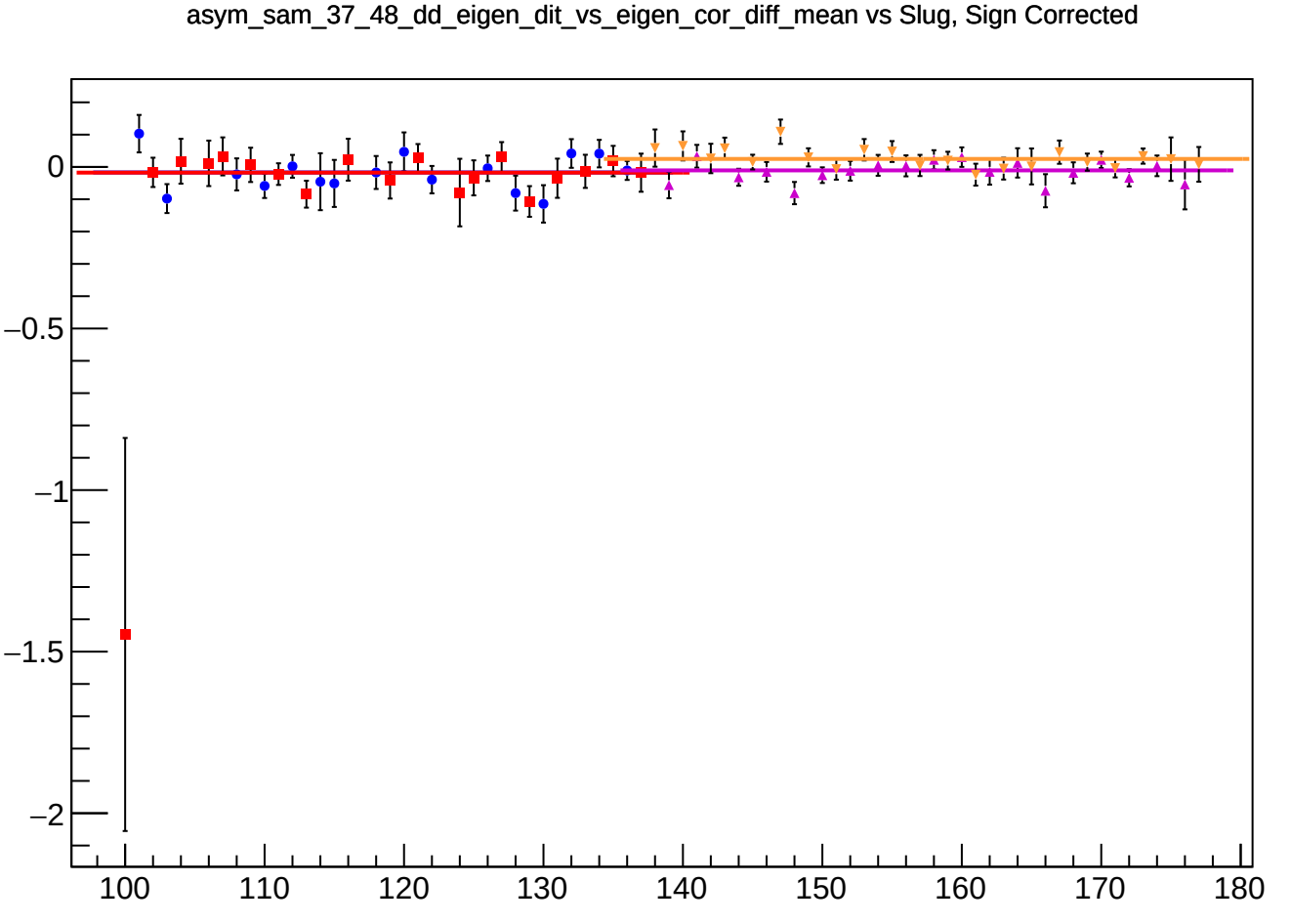
Left: 28.127+/-0.004 χ^2/NDF: 2722937.1/39

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 28.366+/-0.004 χ^2/NDF:1493159.2/34

Out: 29.154+/-0.004 χ^2/NDF:2491793.6/39

All: 28.759+/-0.003 χ^2/NDF: 4001047.4/74



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:14.6/20

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.011+/-0.007 χ^2/NDF:16.2/18

Left: 0.007+/-0.005 χ^2/NDF: 42.6/39

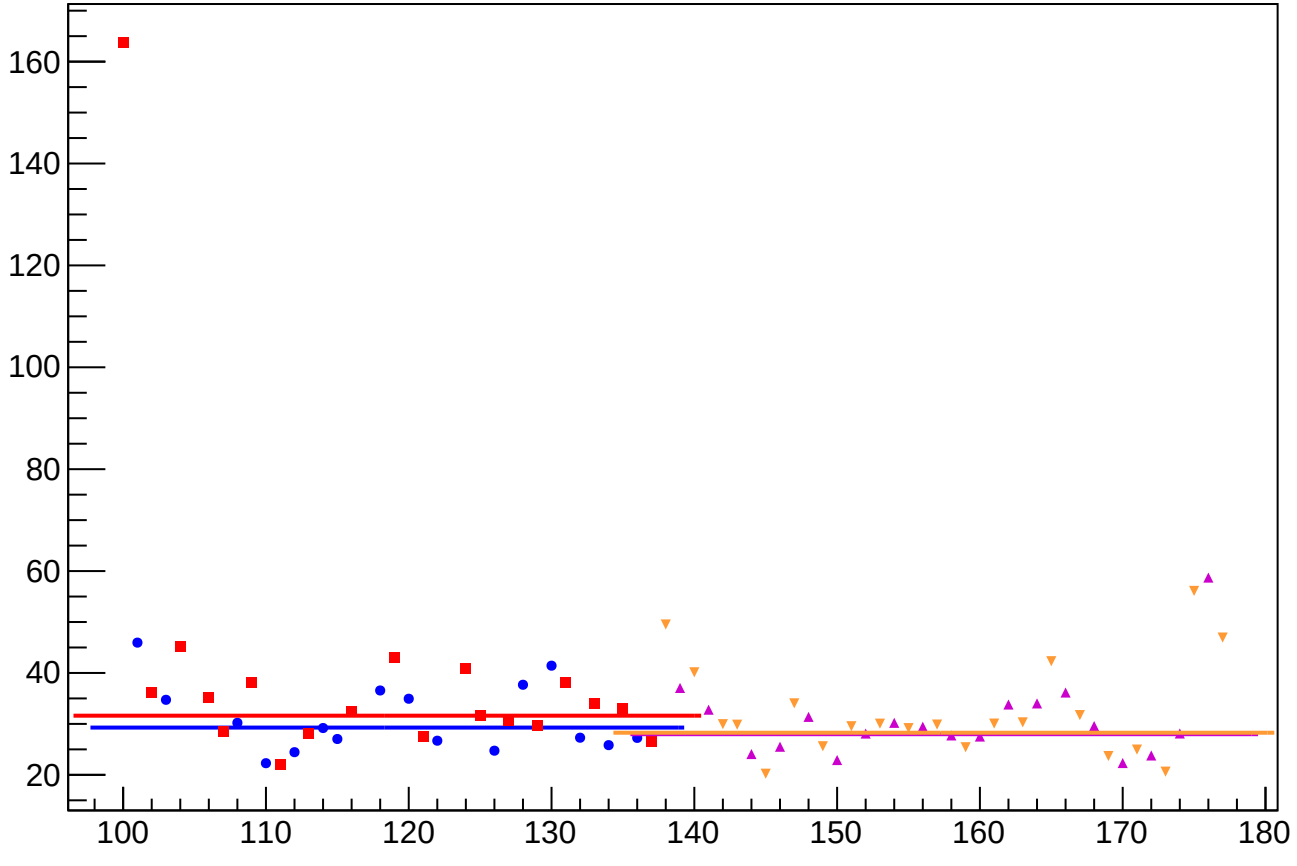
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.006 χ^2/NDF:35.3/34

Out: 0.014+/-0.006 χ^2/NDF:40.5/39

All: 0.000+/-0.004 χ^2/NDF: 84.6/74

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: 28.270+/-0.005 χ^2/NDF:1807275.7/20

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 27.979+/-0.005 χ^2/NDF:914081.8/18

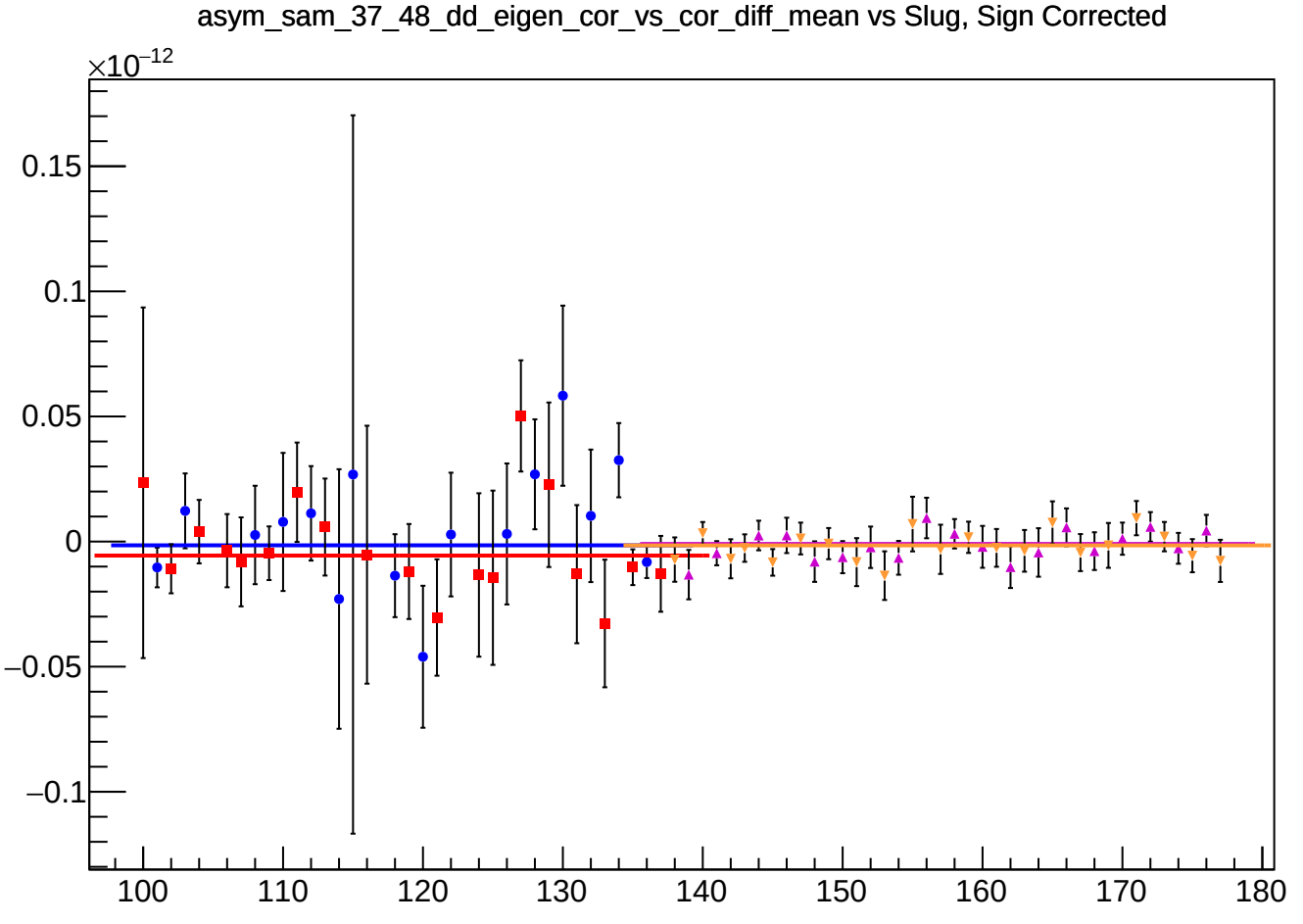
Left: 28.127+/-0.004 χ^2/NDF: 2722937.1/39

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 28.366+/-0.004 χ^2/NDF:1493159.2/34

Out: 29.154+/-0.004 χ^2/NDF:2491793.6/39

All: 28.759+/-0.003 χ^2/NDF: 4001047.4/74



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.0/20

Right Out: -0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: -0.000+/-0.000 χ^2/NDF:11.5/18

Left: -0.000+/-0.000 χ^2/NDF: 23.6/39

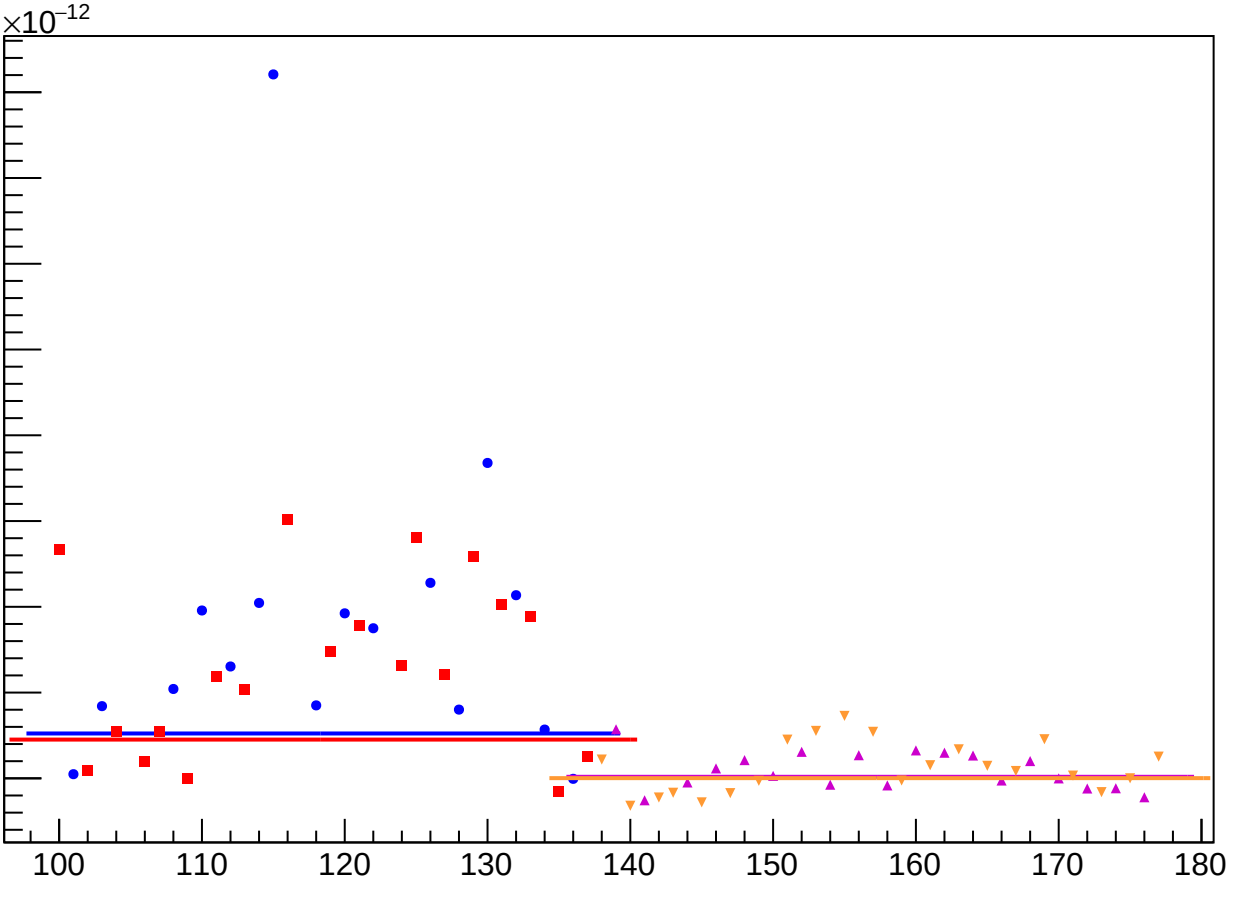
Right: -0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:28.4/34

Out: -0.000+/-0.000 χ^2/NDF:26.4/39

All: -0.000+/-0.000 χ^2/NDF: 55.1/74

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:1532787.1/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1998231.7/18

Left In: 0.000+/-0.000 χ^2/NDF:807511.9/18

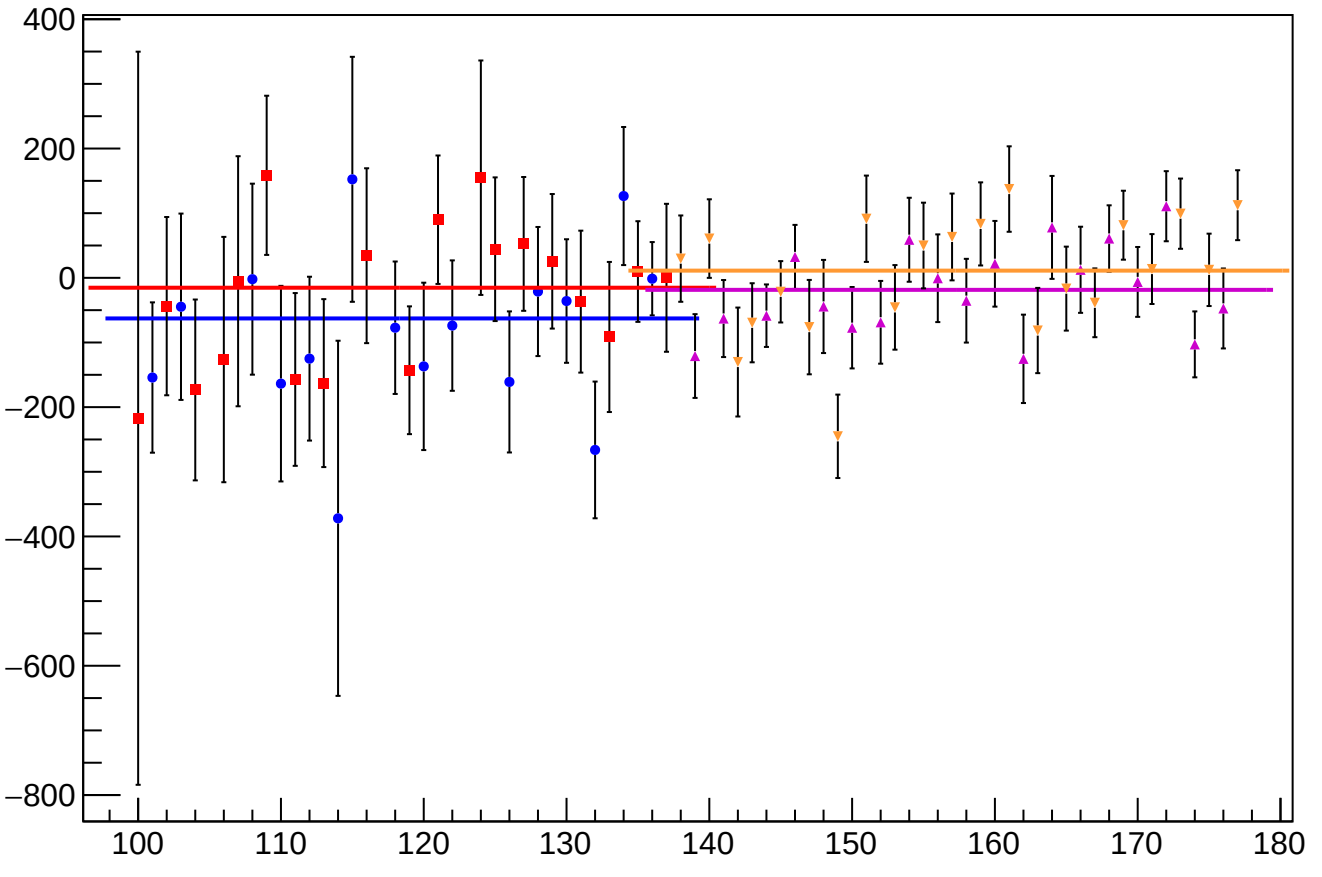
Left: 0.000+/-0.000 χ^2/NDF: 2342832.5/39

Right: 0.000+/-0.000 χ^2/NDF: 4028618.6/34

In: 0.000+/-0.000 χ^2/NDF:3574917.6/34

Out: 0.000+/-0.000 χ^2/NDF:4176477.4/39

All: 0.000+/-0.000 χ^2/NDF: 7757323.7/74



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: 11.151+/-13.282 χ^2/NDF:41.9/20

Right Out: -15.288+/-27.770 χ^2/NDF: 11.5/18

Left In: -18.585+/-13.775 χ^2/NDF:23.5/18

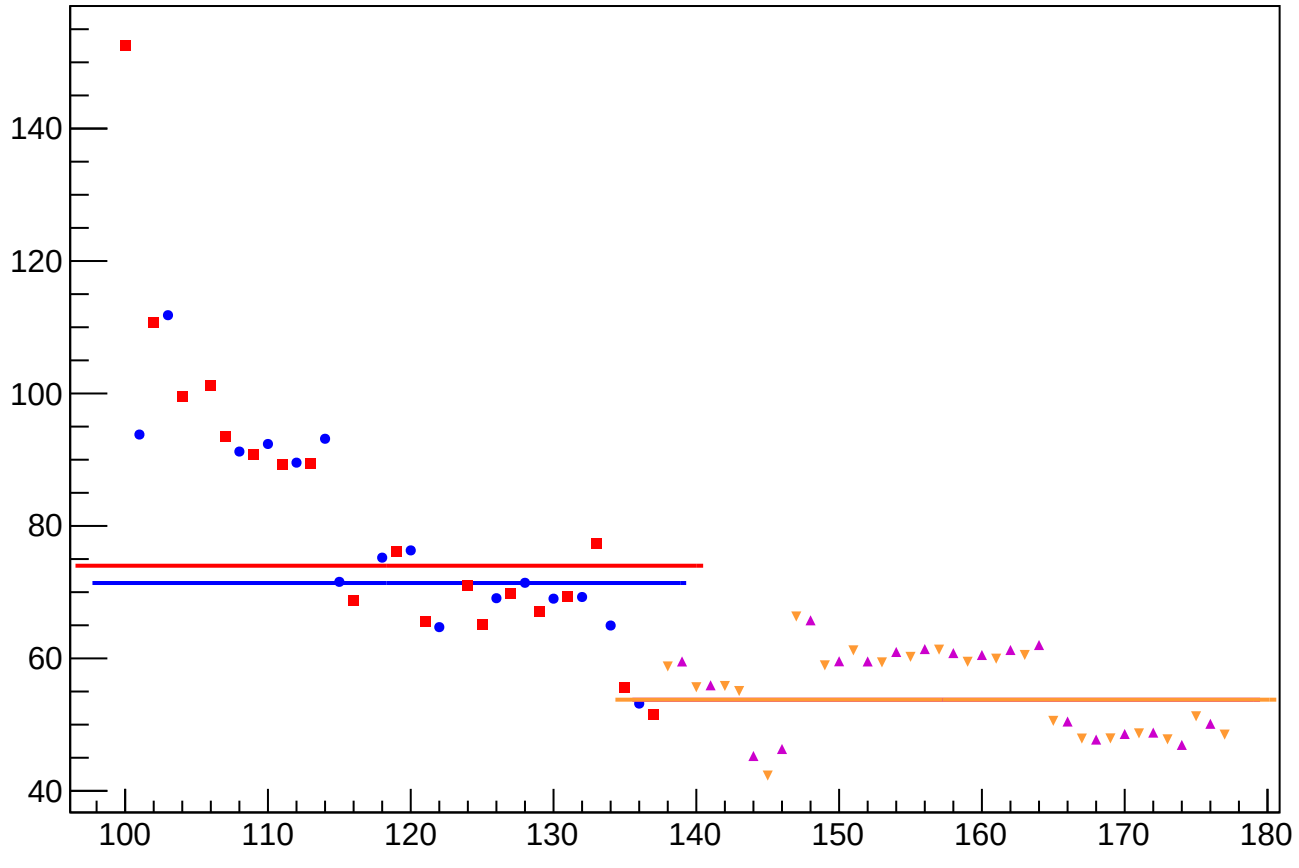
Left: -3.175+/-9.561 χ^2/NDF: 67.9/39

Right: -39.524+/-19.436 χ^2/NDF: 26.4/34

In: -27.604+/-12.290 χ^2/NDF:39.1/34

Out: 6.229+/-11.982 χ^2/NDF:54.1/39

All: -10.257+/-8.580 χ^2/NDF: 97.2/74



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 53.768+/-0.009 χ^2/NDF:460813.5/20

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

Left In: 53.754+/-0.010 χ^2/NDF:464489.0/18

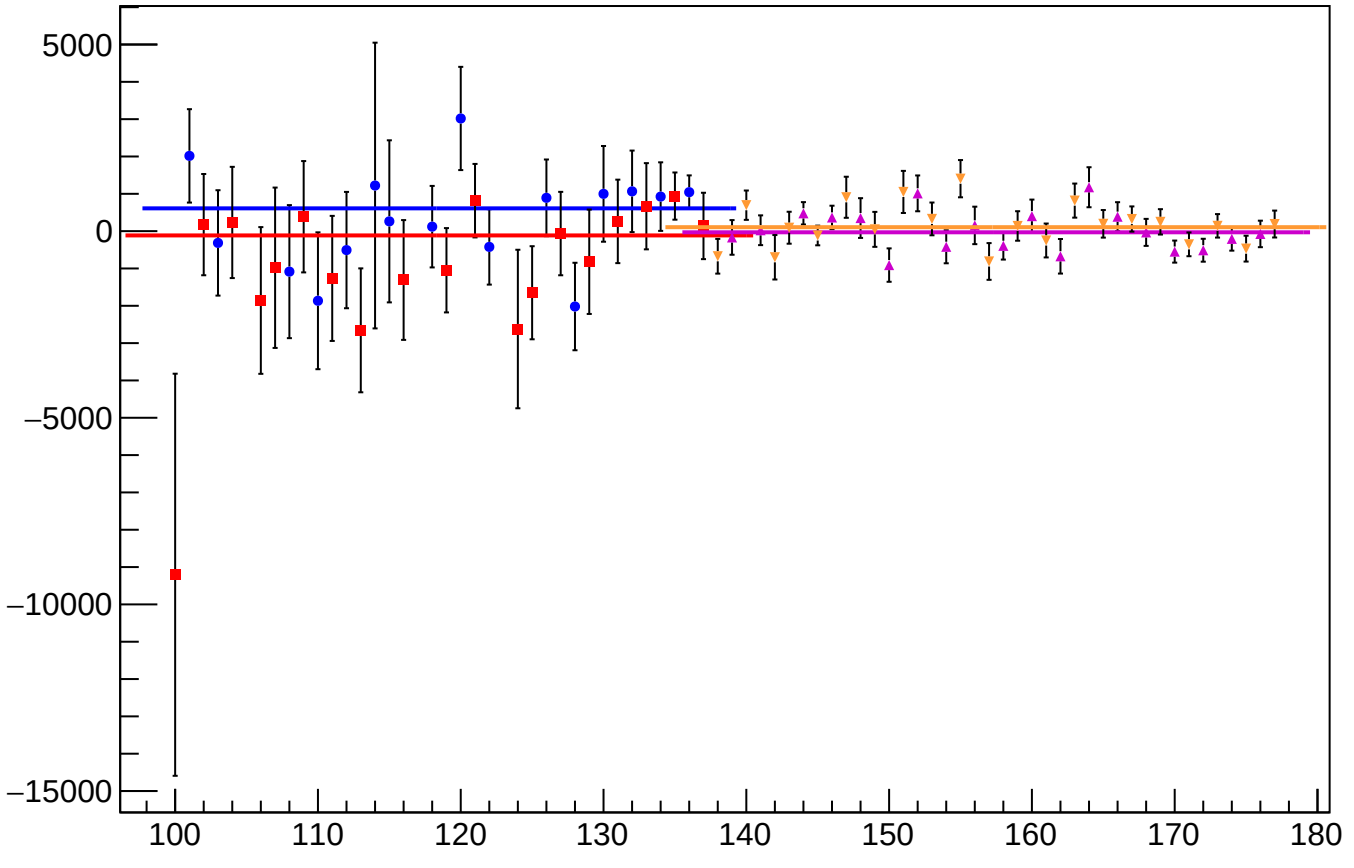
Left: 53.761+/-0.007 χ^2/NDF: 925303.7/39

Right: 72.662+/-0.014 χ^2/NDF: 1238370.4/34

In: 57.350+/-0.009 χ^2/NDF:1723547.8/34

Out: 57.534+/-0.008 χ^2/NDF:1962639.9/39

All: 57.444+/-0.006 χ^2/NDF: 3686417.2/74



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 105.914+/-86.088 χ^2/NDF:31.7/20

Right Out: -114.633+/-284.312 χ^2/NDF: 15.6/18

Left In: -30.927+/-88.062 χ^2/NDF:30.5/18

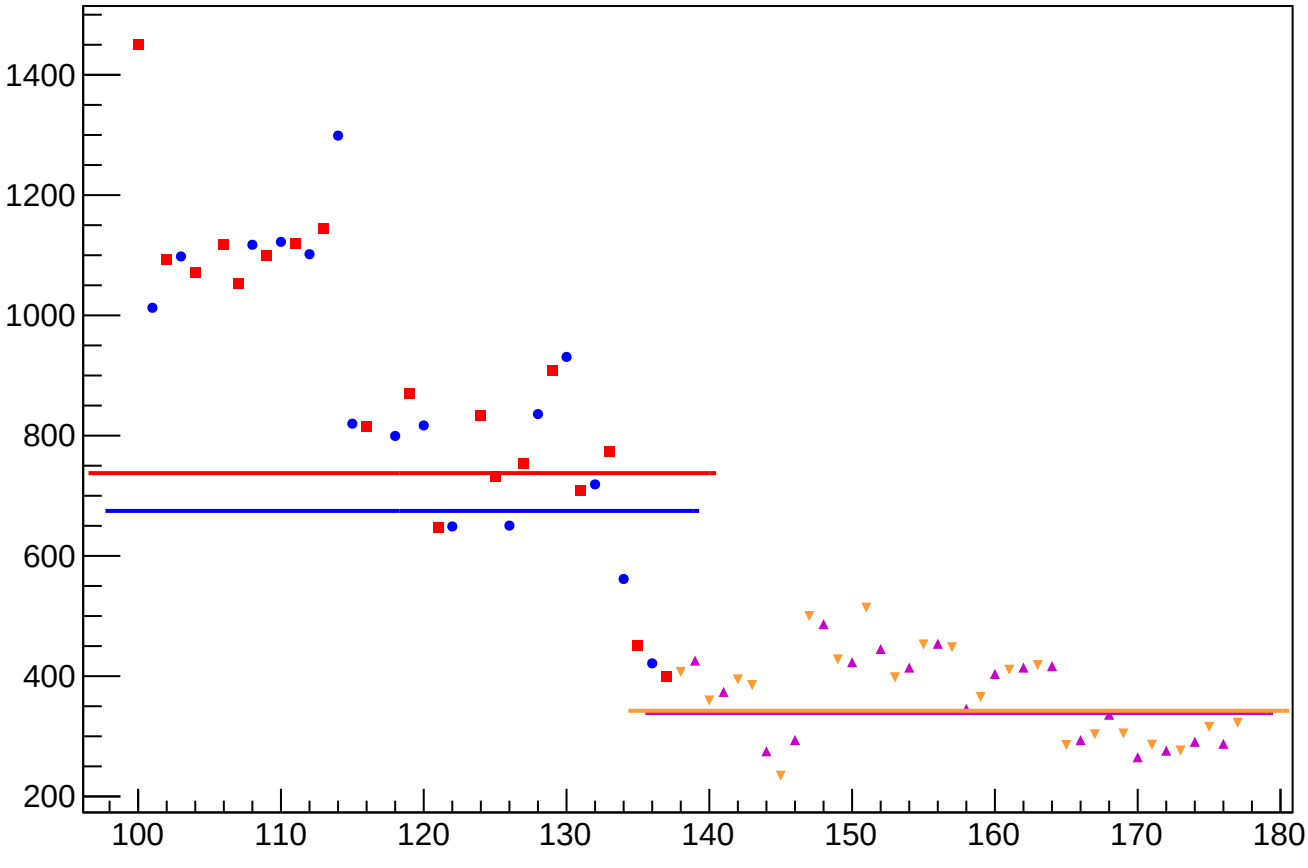
Left: 39.045+/-61.559 χ^2/NDF: 63.4/39

Right: 270.981+/-194.553 χ^2/NDF: 34.7/34

In: 32.093+/-83.624 χ^2/NDF:51.4/34

Out: 87.392+/-82.393 χ^2/NDF:47.8/39

All: 60.152+/-58.691 χ^2/NDF: 99.4/74



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 342.474+/-0.061 χ^2/NDF:1425804.7/20

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

Left In: 338.816+/-0.062 χ^2/NDF:1165945.1/18

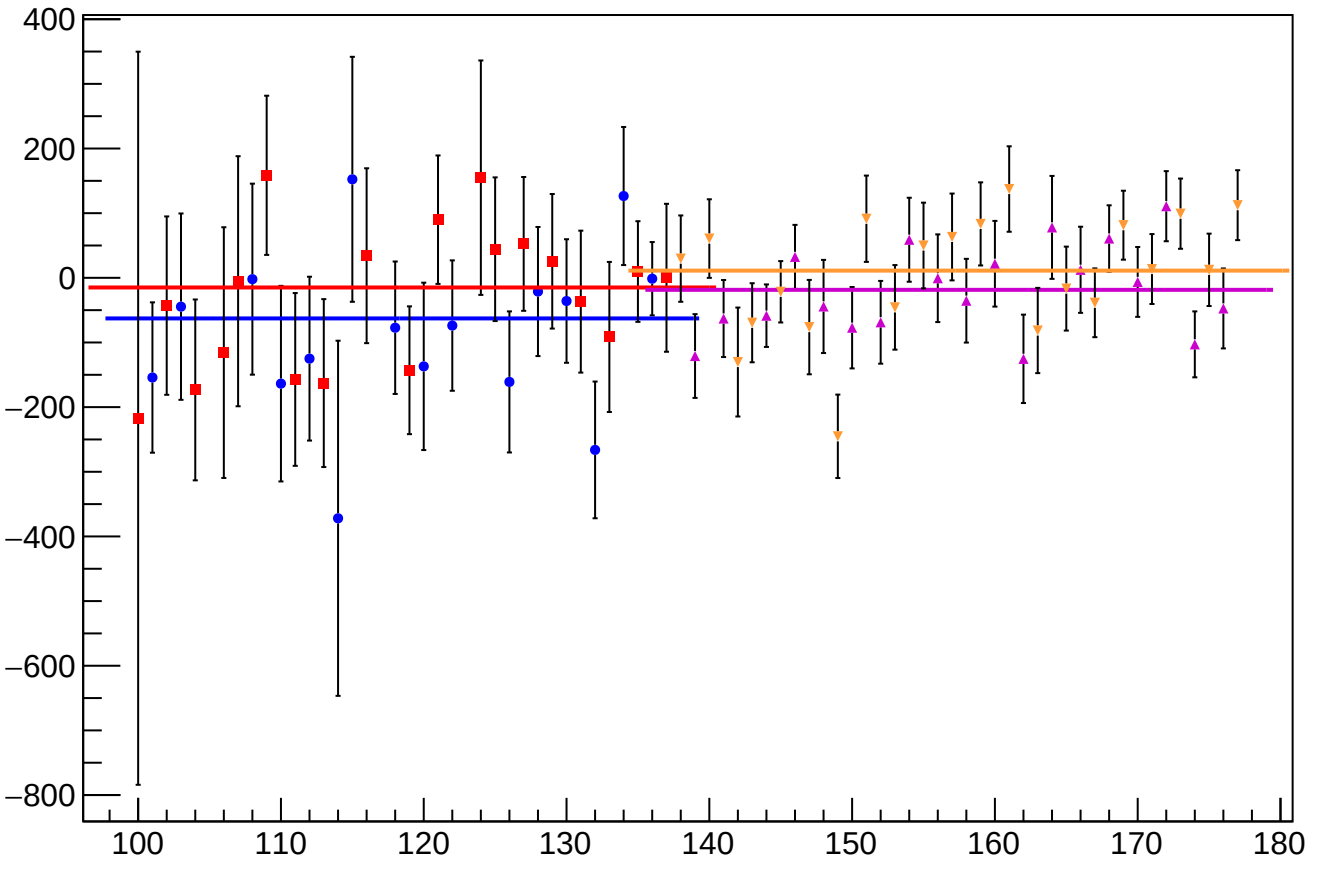
Left: 340.687+/-0.044 χ^2/NDF: 2593514.4/39

Right: 704.257+/-0.138 χ^2/NDF: 3186306.4/34

In: 371.826+/-0.059 χ^2/NDF:5644144.3/34

Out: 375.665+/-0.058 χ^2/NDF:6482339.6/39

All: 373.774+/-0.042 χ^2/NDF: 12128621.9/74



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: 11.152+/-13.282 χ^2/NDF:41.9/20

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -18.585+/-13.775 χ^2/NDF:23.5/18

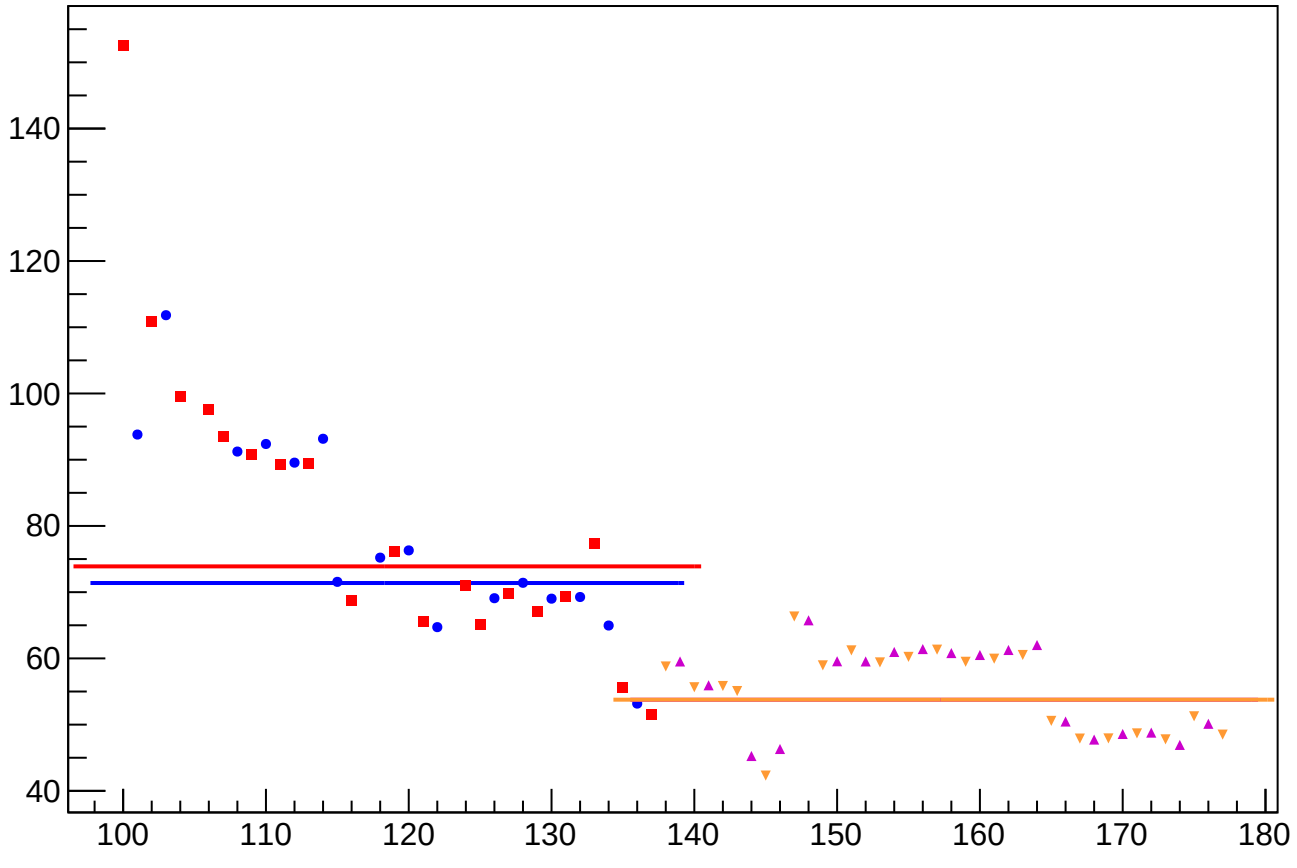
Left: -3.174+/-9.561 χ^2/NDF: 67.9/39

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -27.602+/-12.290 χ^2/NDF:39.1/34

Out: 6.299+/-11.983 χ^2/NDF:54.1/39

All: -10.222+/-8.580 χ^2/NDF: 97.1/74



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 53.768+/-0.009 χ^2/NDF:460813.5/20

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 53.754+/-0.010 χ^2/NDF:464489.0/18

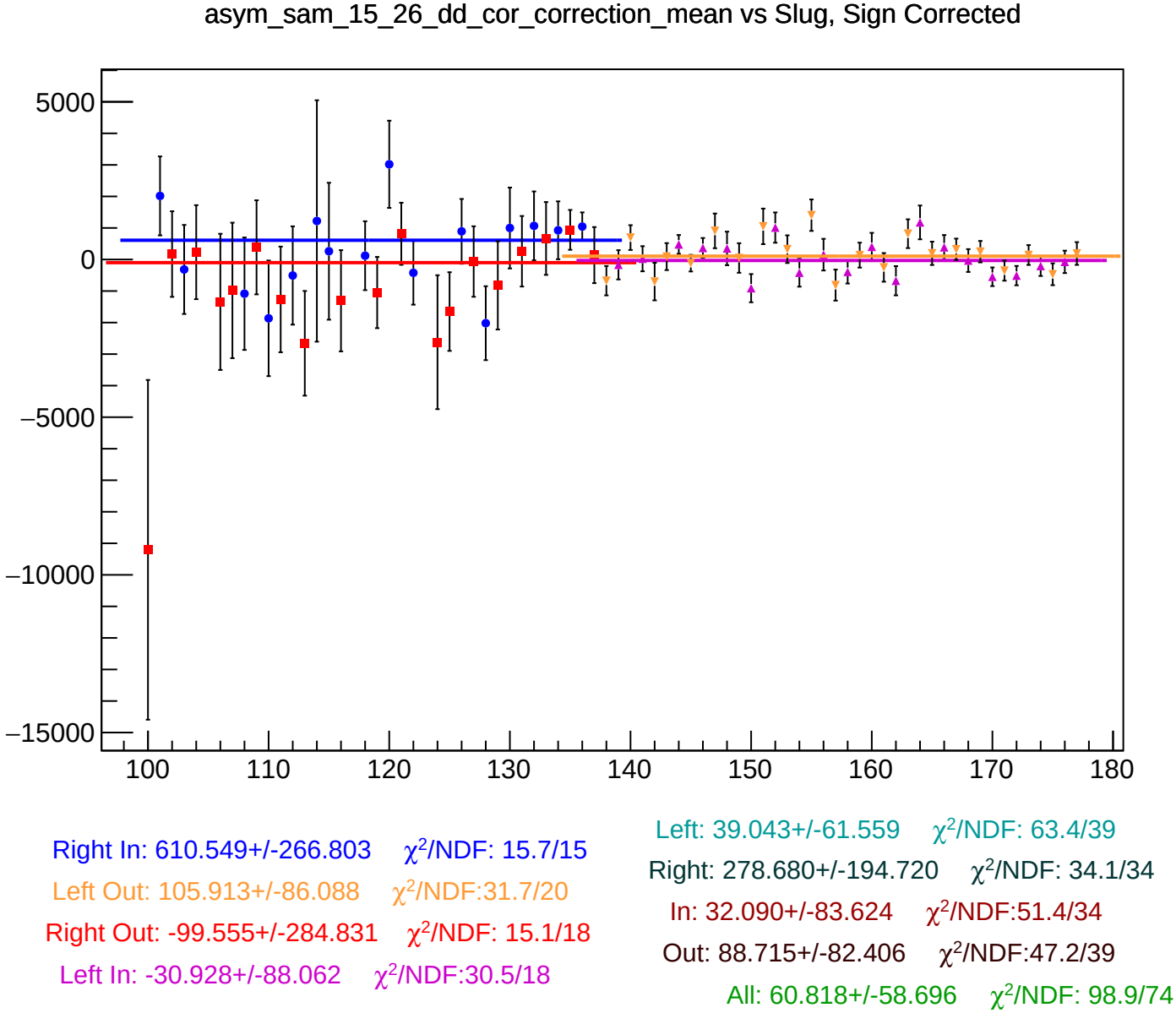
Left: 53.761+/-0.007 χ^2/NDF: 925303.7/39

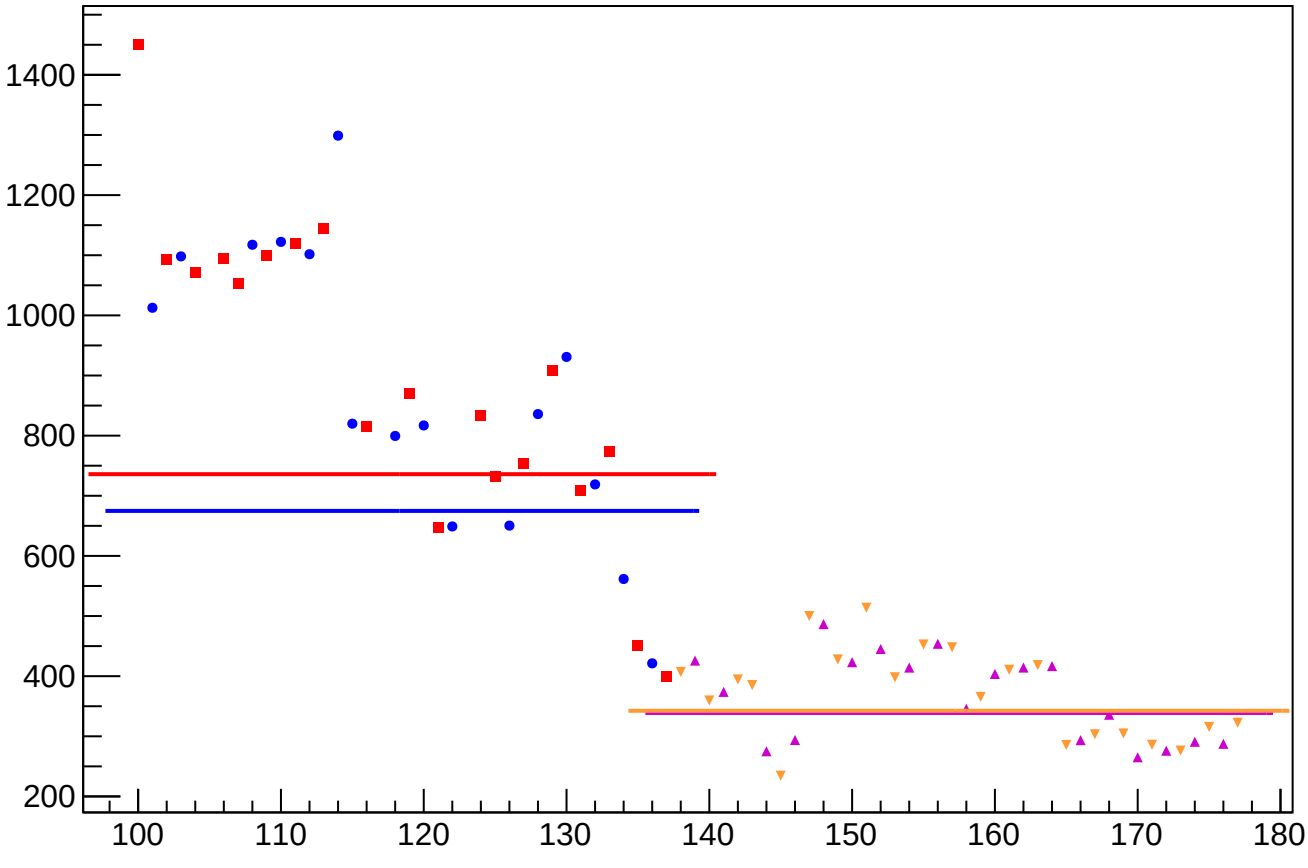
Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 57.350+/-0.009 χ^2/NDF:1723550.4/34

Out: 57.512+/-0.008 χ^2/NDF:1942050.5/39

All: 57.433+/-0.006 χ^2/NDF: 3665779.9/74


asym_sam_15_26_dd_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 610.549+/-266.803 χ²/NDF: 15.7/15
Left Out: 105.913+/-86.088 χ²/NDF:31.7/20
Right Out: -99.555+/-284.831 χ²/NDF: 15.1/18
Left In: -30.928+/-88.062 χ²/NDF:30.5/18
Left: 39.043+/-61.559 χ²/NDF: 63.4/39
Right: 278.680+/-194.720 χ²/NDF: 34.1/34
In: 32.090+/-83.624 χ²/NDF:51.4/34
Out: 88.715+/-82.406 χ²/NDF:47.2/39
All: 60.818+/-58.696 χ²/NDF: 98.9/74



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 342.474+/-0.061 χ^2/NDF:1425806.0/20

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 338.816+/-0.062 χ^2/NDF:1165955.3/18

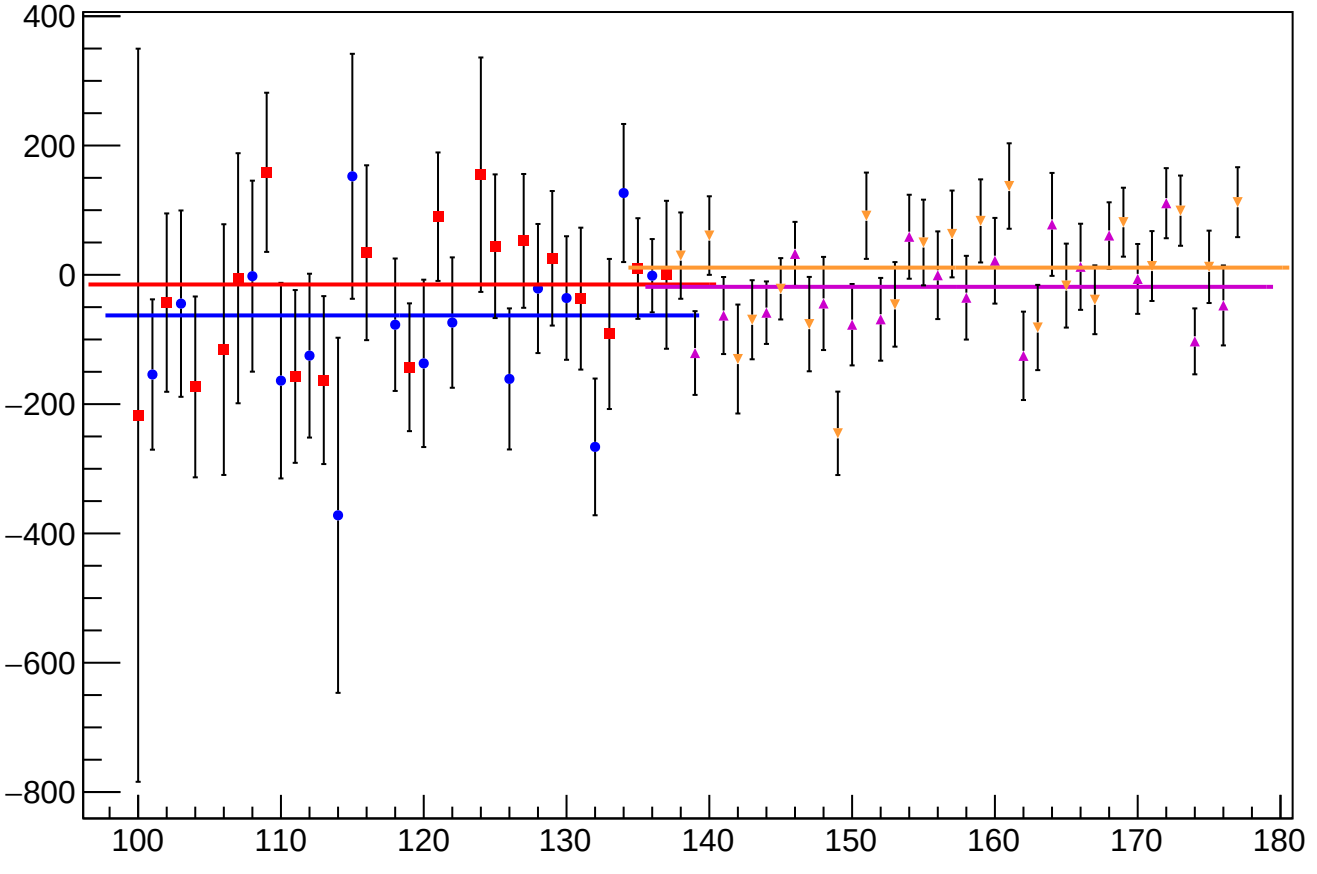
Left: 340.687+/-0.044 χ^2/NDF: 2593525.9/39

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 371.826+/-0.059 χ^2/NDF:5644179.4/34

Out: 375.407+/-0.058 χ^2/NDF:6419495.4/39

All: 373.643+/-0.042 χ^2/NDF: 12065535.4/74



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: 11.152+/-13.282 χ^2/NDF:41.9/20

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -18.585+/-13.775 χ^2/NDF:23.5/18

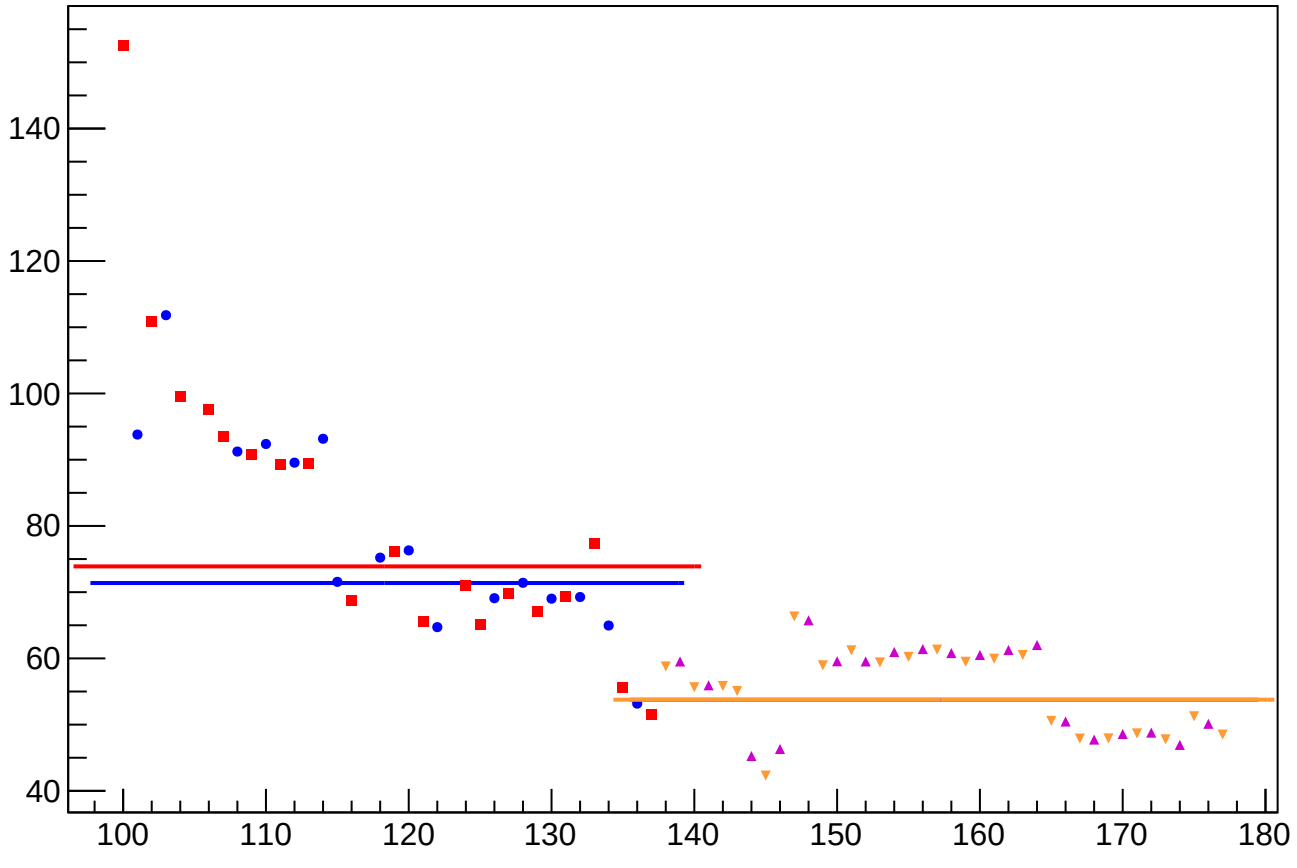
Left: -3.174+/-9.561 χ^2/NDF: 67.9/39

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -27.602+/-12.290 χ^2/NDF:39.1/34

Out: 6.299+/-11.983 χ^2/NDF:54.1/39

All: -10.222+/-8.580 χ^2/NDF: 97.1/74



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 53.768+/-0.009 χ^2/NDF:460813.5/20

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 53.754+/-0.010 χ^2/NDF:464489.0/18

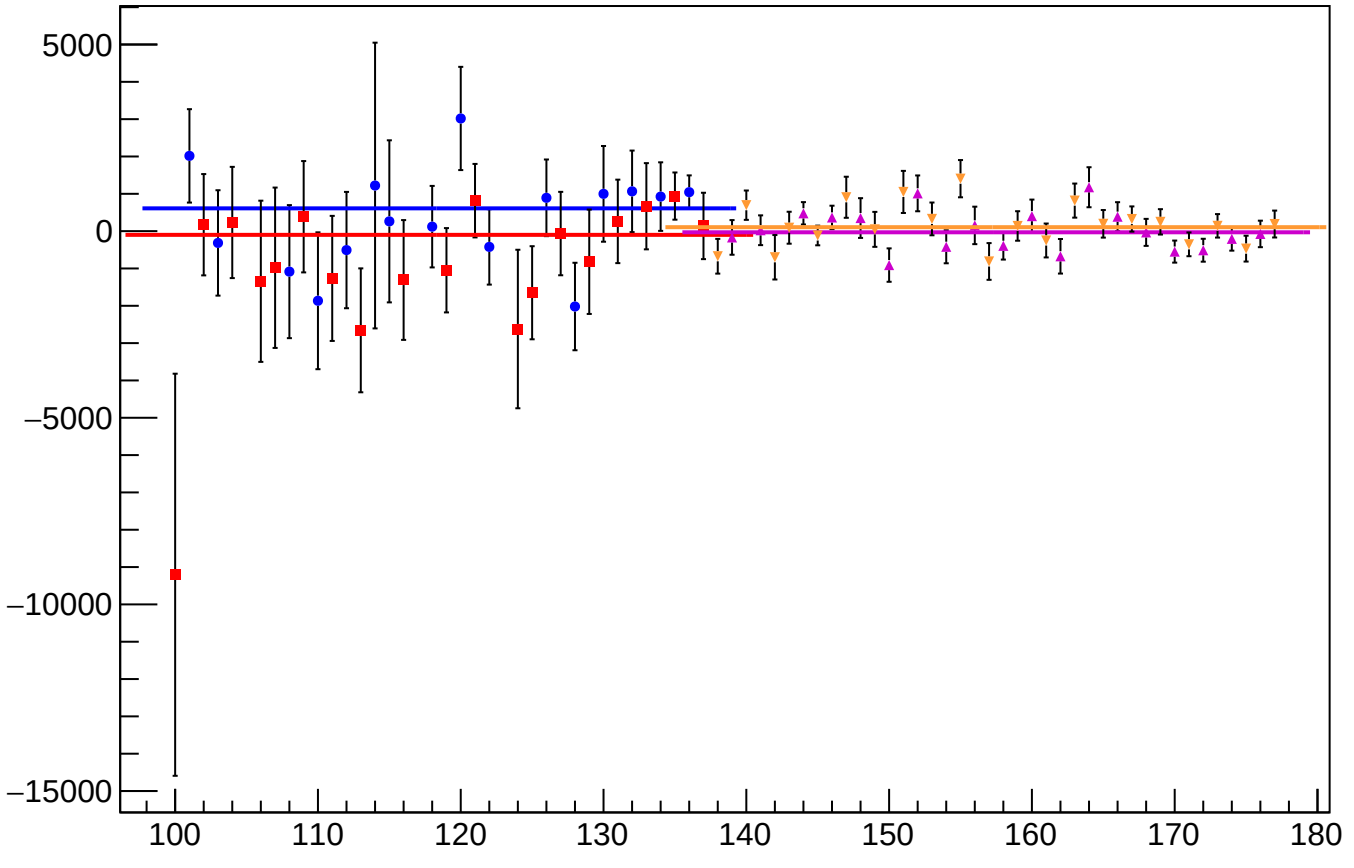
Left: 53.761+/-0.007 χ^2/NDF: 925303.7/39

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 57.350+/-0.009 χ^2/NDF:1723550.4/34

Out: 57.512+/-0.008 χ^2/NDF:1942050.5/39

All: 57.433+/-0.006 χ^2/NDF: 3665779.9/74



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 105.913+/-86.088 χ^2/NDF:31.7/20

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -30.928+/-88.062 χ^2/NDF:30.5/18

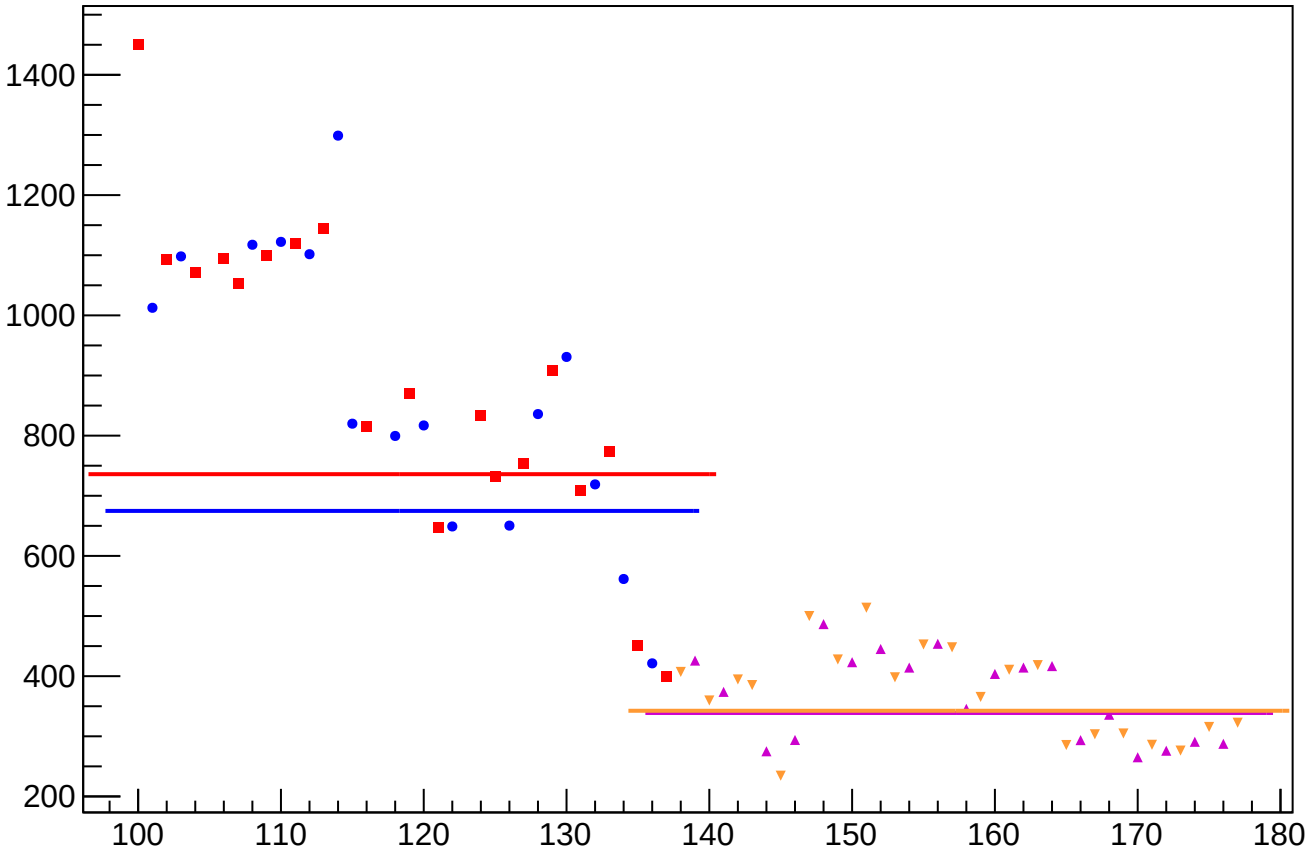
Left: 39.043+/-61.559 χ^2/NDF: 63.4/39

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 32.090+/-83.624 χ^2/NDF:51.4/34

Out: 88.715+/-82.406 χ^2/NDF:47.2/39

All: 60.818+/-58.696 χ^2/NDF: 98.9/74



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 342.474+/-0.061 χ^2/NDF:1425806.0/20

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 338.816+/-0.062 χ^2/NDF:1165955.3/18

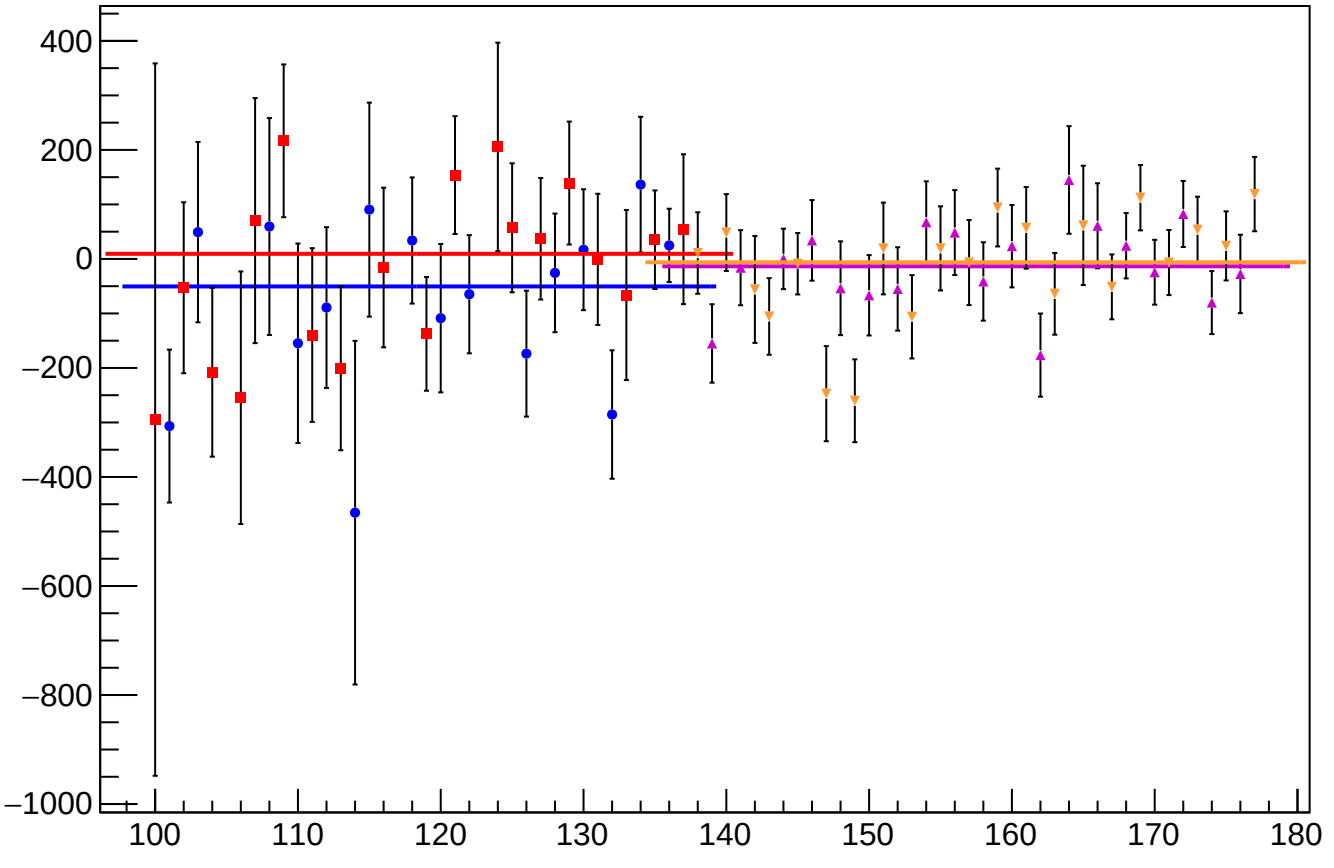
Left: 340.687+/-0.044 χ^2/NDF: 2593525.9/39

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 371.826+/-0.059 χ^2/NDF:5644179.4/34

Out: 375.407+/-0.058 χ^2/NDF:6419495.4/39

All: 373.643+/-0.042 χ^2/NDF: 12065535.4/74



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -6.129+/-15.493 χ^2/NDF:36.4/20

Right Out: 9.380+/-31.235 χ^2/NDF: 15.6/18

Left In: -13.541+/-16.058 χ^2/NDF:19.9/18

Left: -9.702+/-11.150 χ^2/NDF: 56.4/39

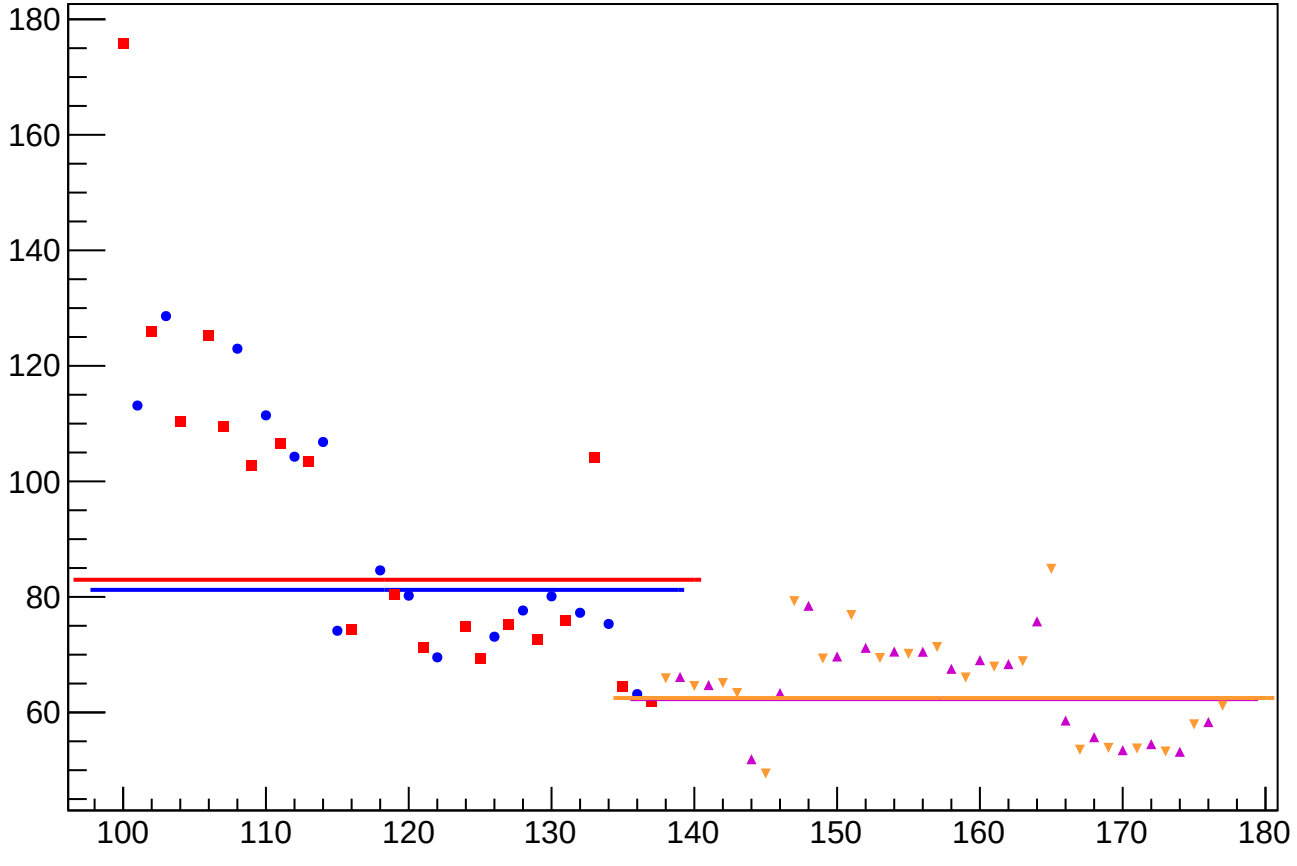
Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -21.328+/-14.265 χ^2/NDF:37.4/34

Out: -3.067+/-13.879 χ^2/NDF:52.1/39

All: -11.948+/-9.948 χ^2/NDF: 90.4/74

dit_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 62.496+/-0.011 χ^2/NDF:626168.7/20

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

Left In: 62.305+/-0.011 χ^2/NDF:481167.6/18

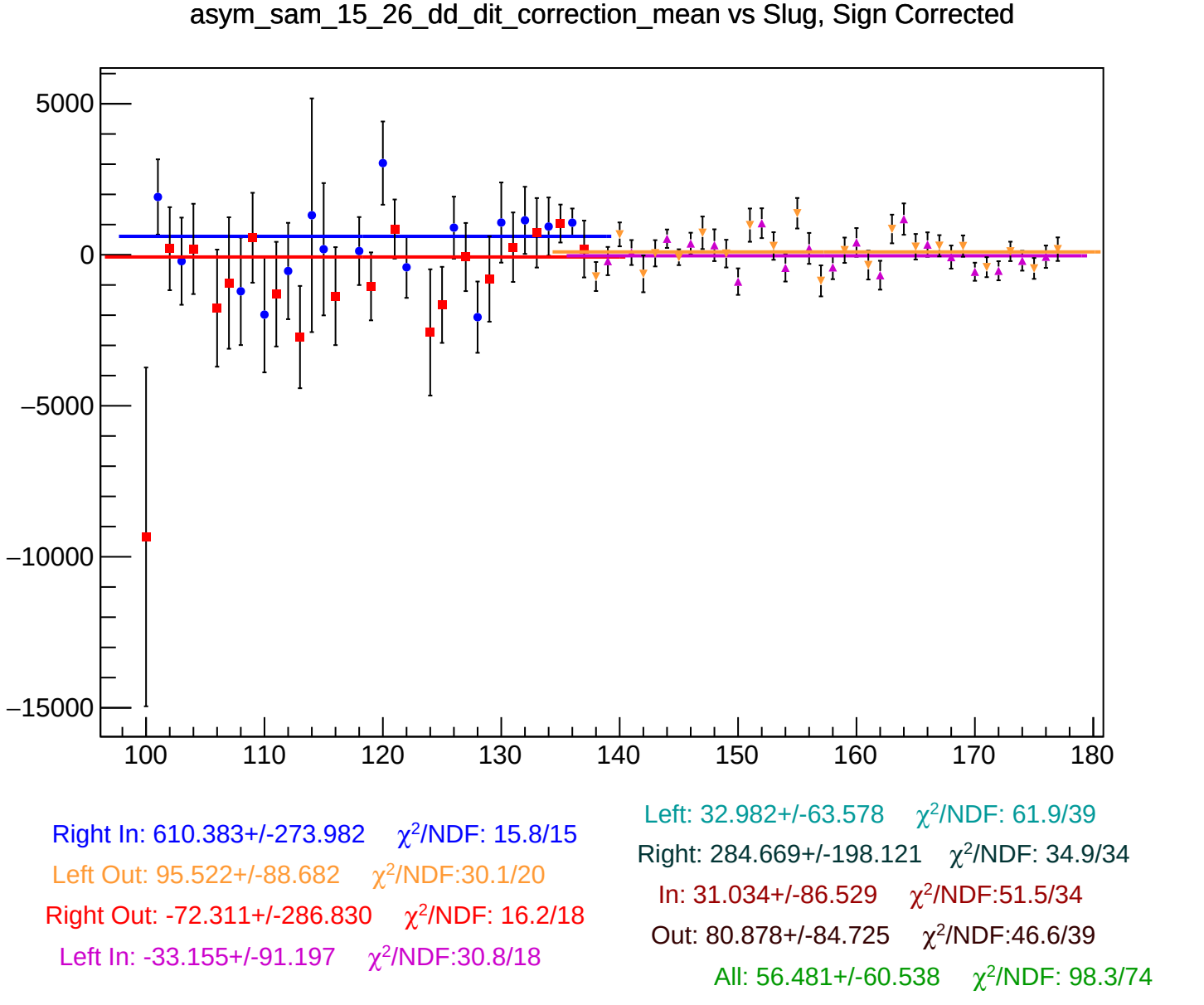
Left: 62.404+/-0.008 χ^2/NDF: 1107483.9/39

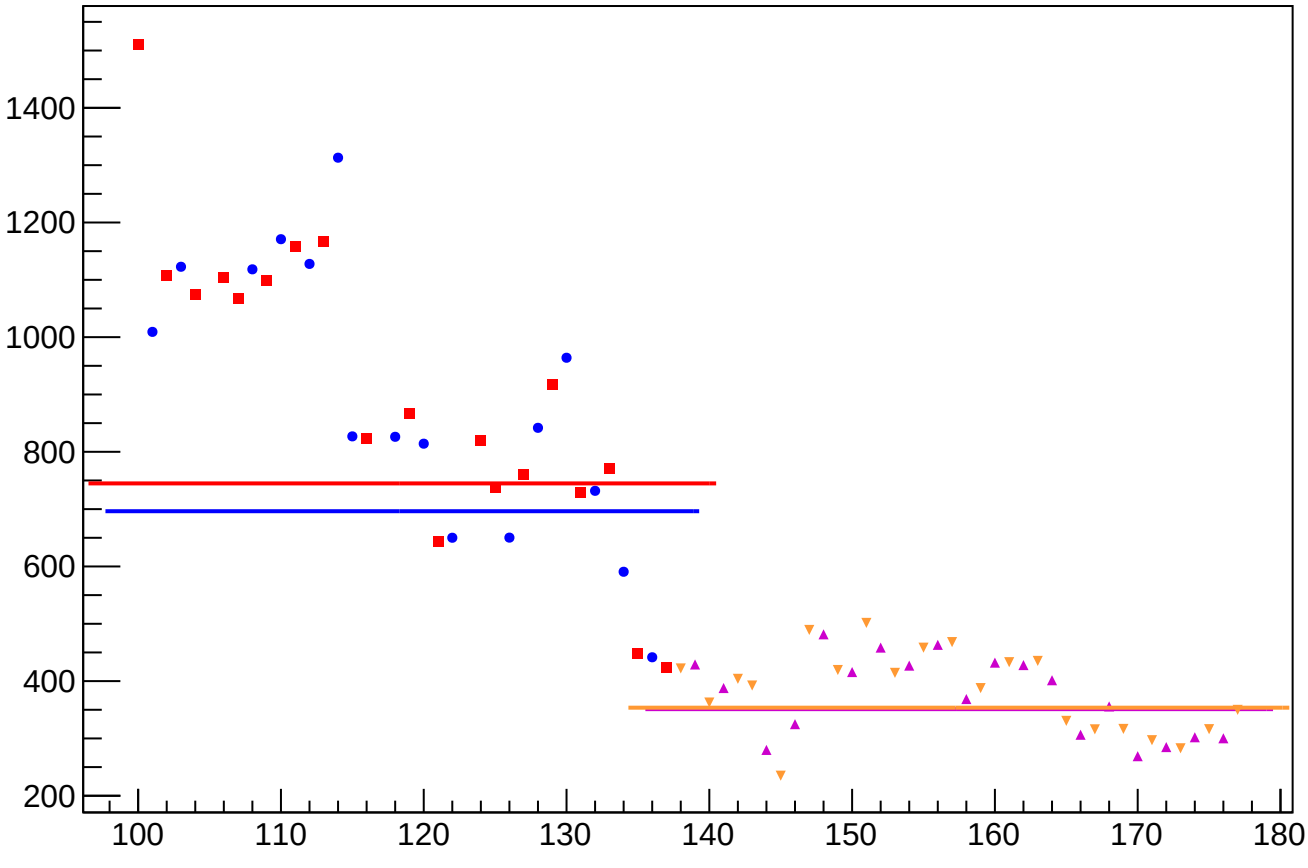
Right: 82.090+/-0.016 χ^2/NDF: 1396425.1/34

In: 66.294+/-0.010 χ^2/NDF:1729173.0/34

Out: 66.539+/-0.010 χ^2/NDF:2046241.9/39

All: 66.420+/-0.007 χ^2/NDF: 3775719.1/74


asym_sam_15_26_dd_dit_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 610.383+/-273.982 χ²/NDF: 15.8/15
Left Out: 95.522+/-88.682 χ²/NDF:30.1/20
Right Out: -72.311+/-286.830 χ²/NDF: 16.2/18
Left In: -33.155+/-91.197 χ²/NDF:30.8/18
Left: 32.982+/-63.578 χ²/NDF: 61.9/39
Right: 284.669+/-198.121 χ²/NDF: 34.9/34
In: 31.034+/-86.529 χ²/NDF:51.5/34
Out: 80.878+/-84.725 χ²/NDF:46.6/39
All: 56.481+/-60.538 χ²/NDF: 98.3/74



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 353.653+/-0.063 χ^2/NDF:1370780.5/20

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

Left In: 351.097+/-0.064 χ^2/NDF:1081066.3/18

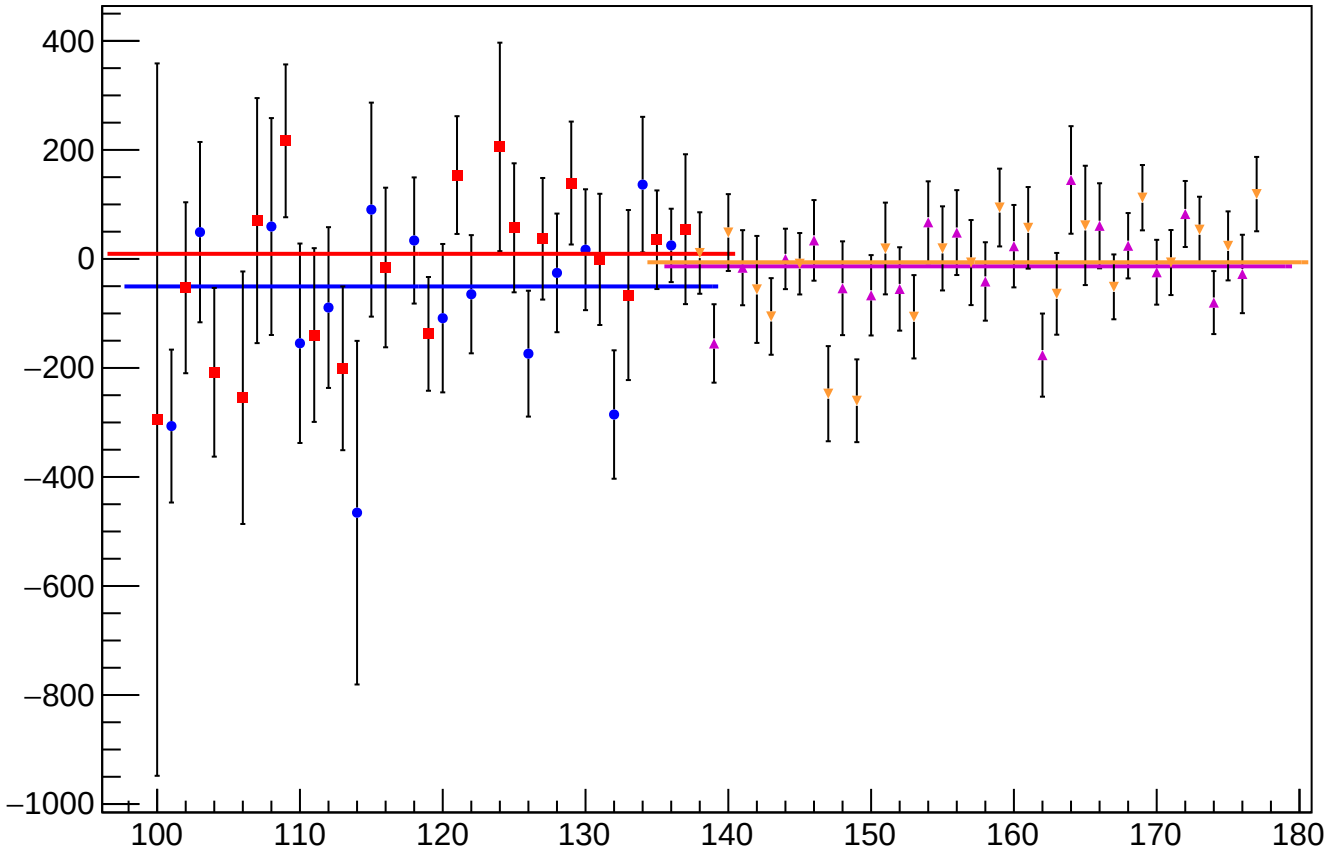
Left: 352.410+/-0.045 χ^2/NDF: 2452654.4/39

Right: 719.512+/-0.140 χ^2/NDF: 3043745.4/34

In: 385.535+/-0.061 χ^2/NDF:5455985.7/34

Out: 387.788+/-0.060 χ^2/NDF:6265219.8/39

All: 386.685+/-0.043 χ^2/NDF: 11721897.4/74



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -6.128+/-15.493 χ^2/NDF:36.4/20

Right Out: 9.381+/-31.235 χ^2/NDF: 15.6/18

Left In: -13.541+/-16.058 χ^2/NDF:19.9/18

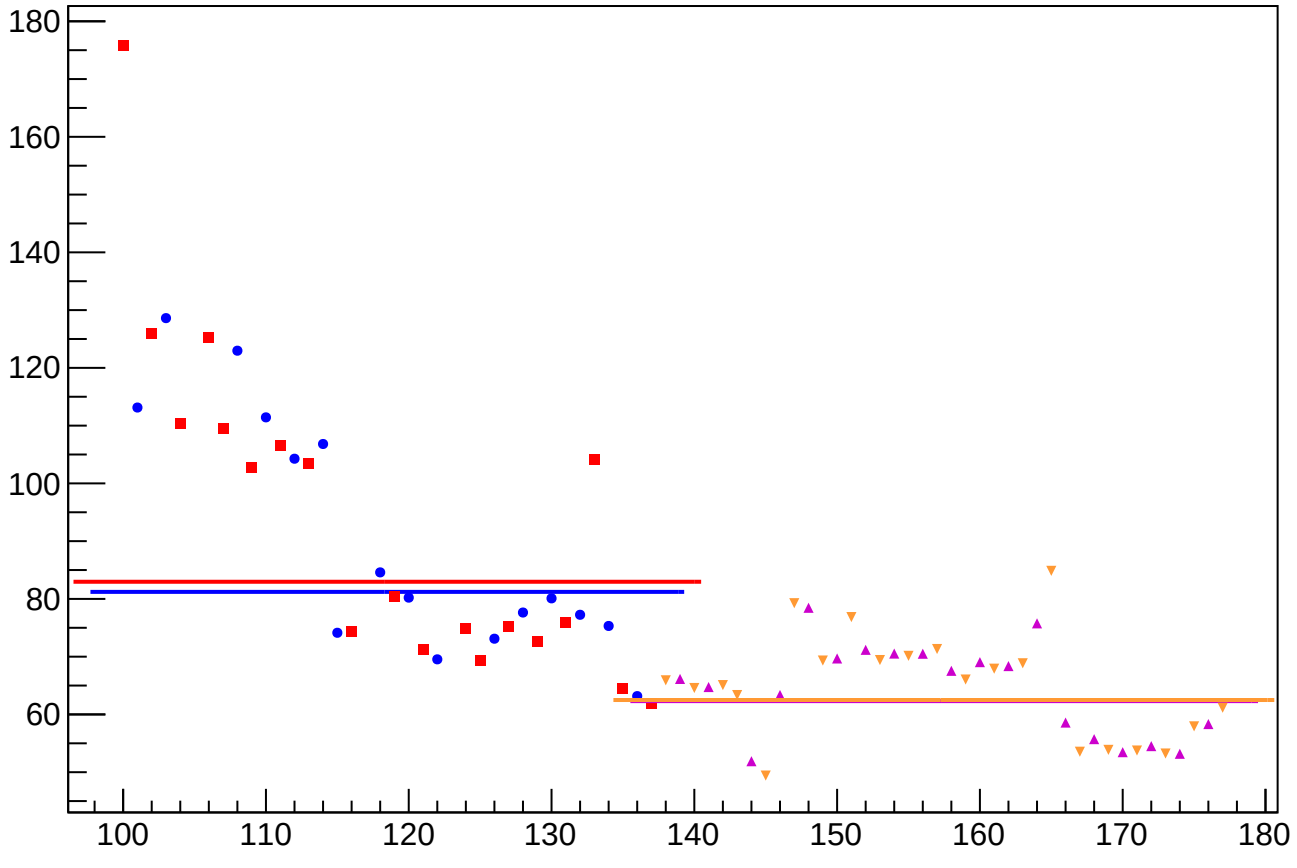
Left: -9.701+/-11.150 χ^2/NDF: 56.4/39

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -21.328+/-14.265 χ^2/NDF:37.4/34

Out: -3.066+/-13.879 χ^2/NDF:52.1/39

All: -11.947+/-9.948 χ^2/NDF: 90.4/74



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 62.496+/-0.011 χ^2/NDF:626166.5/20

Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 62.305+/-0.011 χ^2/NDF:481160.2/18

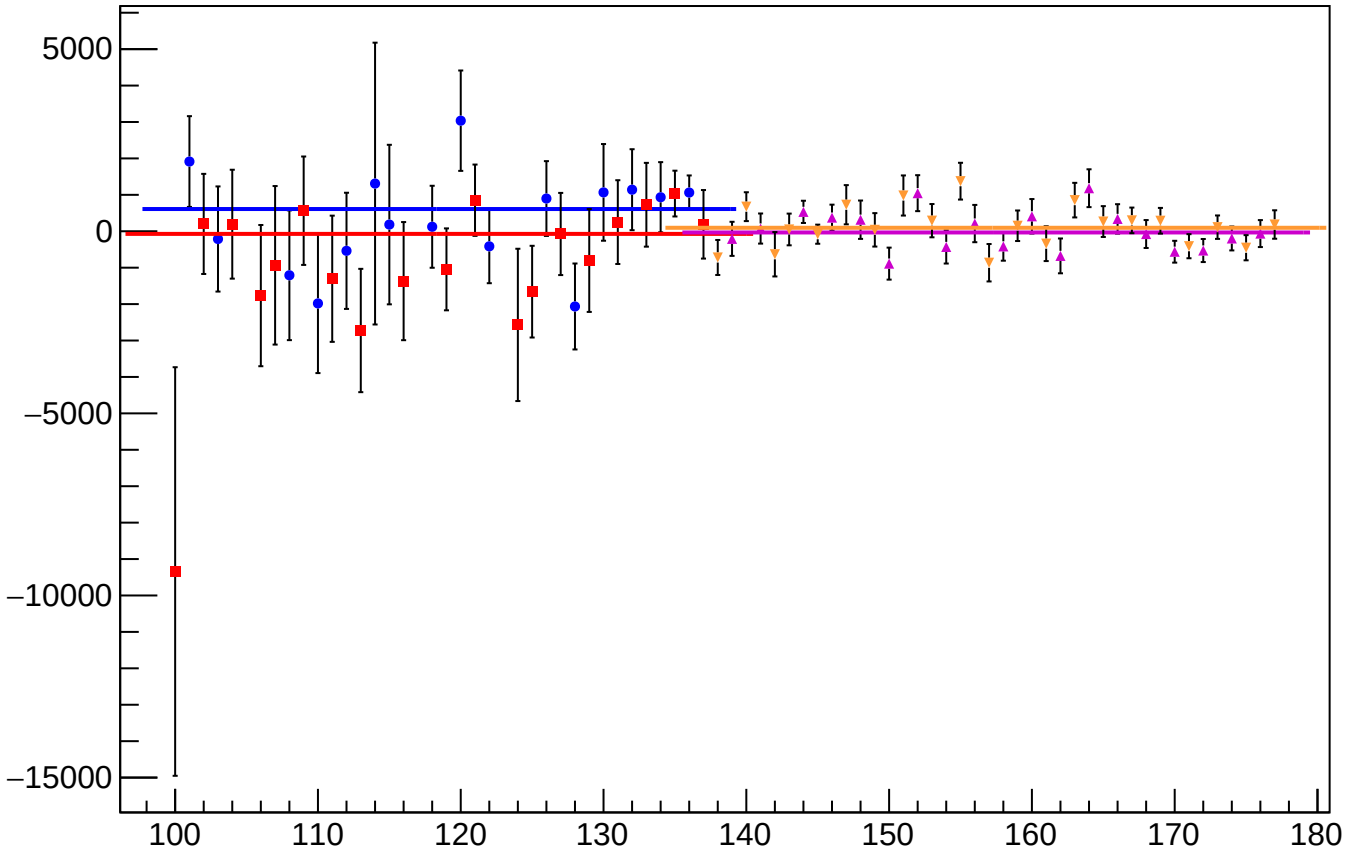
Left: 62.404+/-0.008 χ^2/NDF: 1107474.1/39

Right: 82.089+/-0.016 χ^2/NDF: 1396405.1/34

In: 66.294+/-0.010 χ^2/NDF:1729120.0/34

Out: 66.539+/-0.010 χ^2/NDF:2046208.4/39

All: 66.420+/-0.007 χ^2/NDF: 3775632.5/74



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: 95.523+/-88.682 χ^2/NDF:30.1/20

Right Out: -72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: -33.155+/-91.197 χ^2/NDF:30.8/18

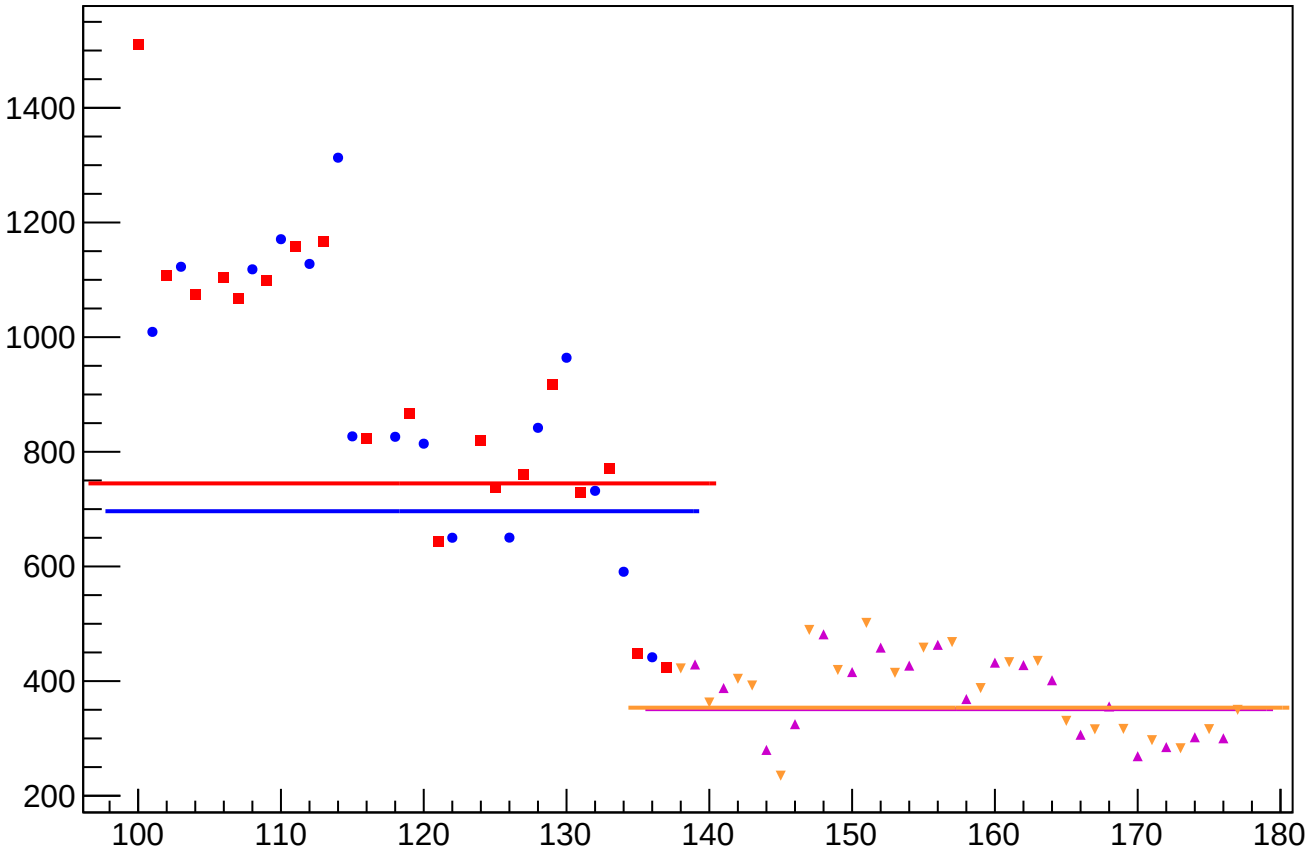
Left: 32.982+/-63.578 χ^2/NDF: 61.9/39

Right: 284.667+/-198.121 χ^2/NDF: 34.9/34

In: 31.034+/-86.529 χ^2/NDF:51.5/34

Out: 80.878+/-84.725 χ^2/NDF:46.6/39

All: 56.481+/-60.538 χ^2/NDF: 98.3/74



Right In: 696.370+/-0.194 χ^2/NDF: 1515461.8/15

Left Out: 353.653+/-0.063 χ^2/NDF:1370794.3/20

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

Left In: 351.097+/-0.064 χ^2/NDF:1081071.5/18

Left: 352.411+/-0.045 χ^2/NDF: 2452673.4/39

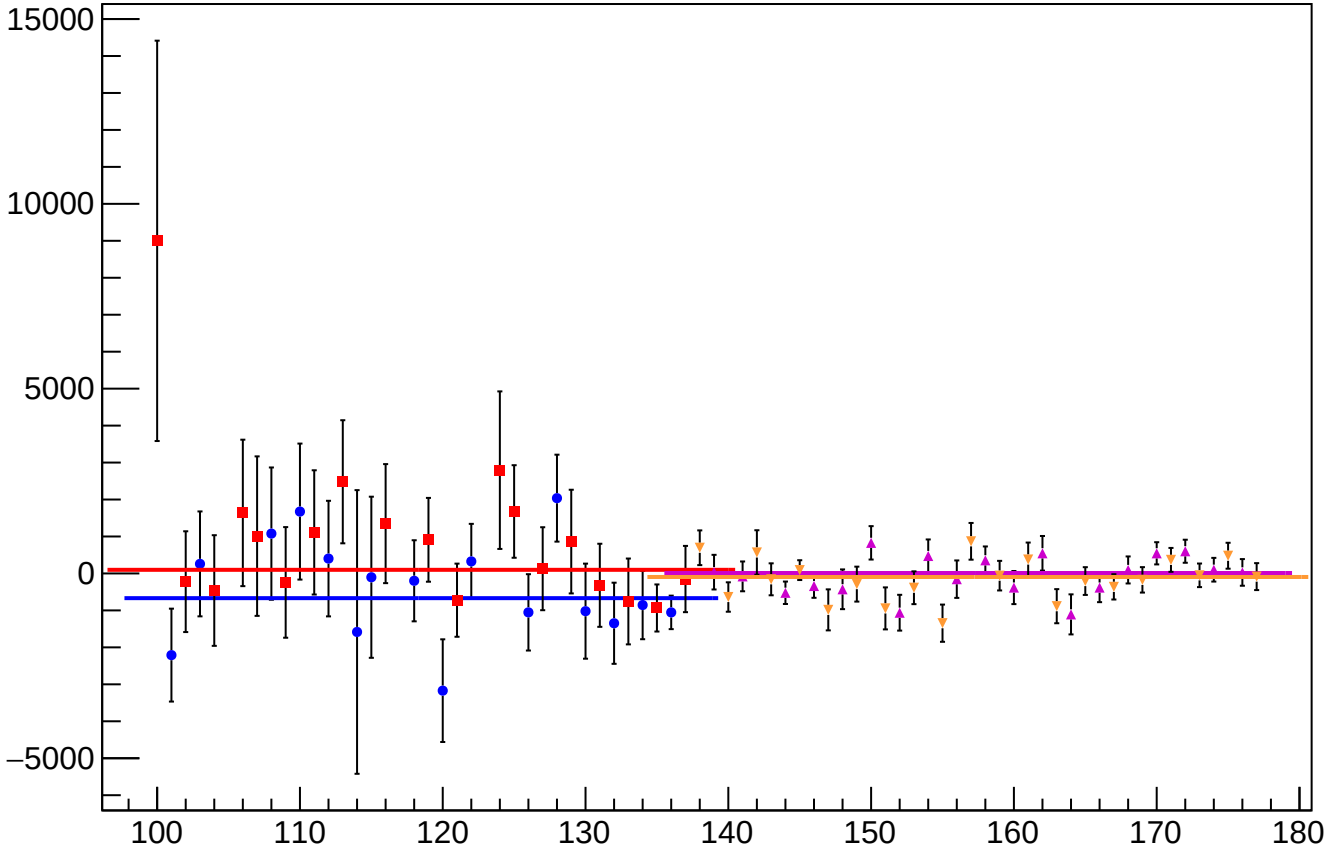
Right: 719.511+/-0.140 χ^2/NDF: 3043716.8/34

In: 385.536+/-0.061 χ^2/NDF:5455964.0/34

Out: 387.788+/-0.060 χ^2/NDF:6265211.6/39

All: 386.686+/-0.043 χ^2/NDF: 11721867.3/74

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -95.661+/-87.164 χ^2/NDF:31.3/20

Right Out: 98.003+/-285.882 χ^2/NDF: 14.8/18

Left In: 11.839+/-89.200 χ^2/NDF:29.4/18

Left: -43.152+/-62.342 χ^2/NDF: 61.4/39

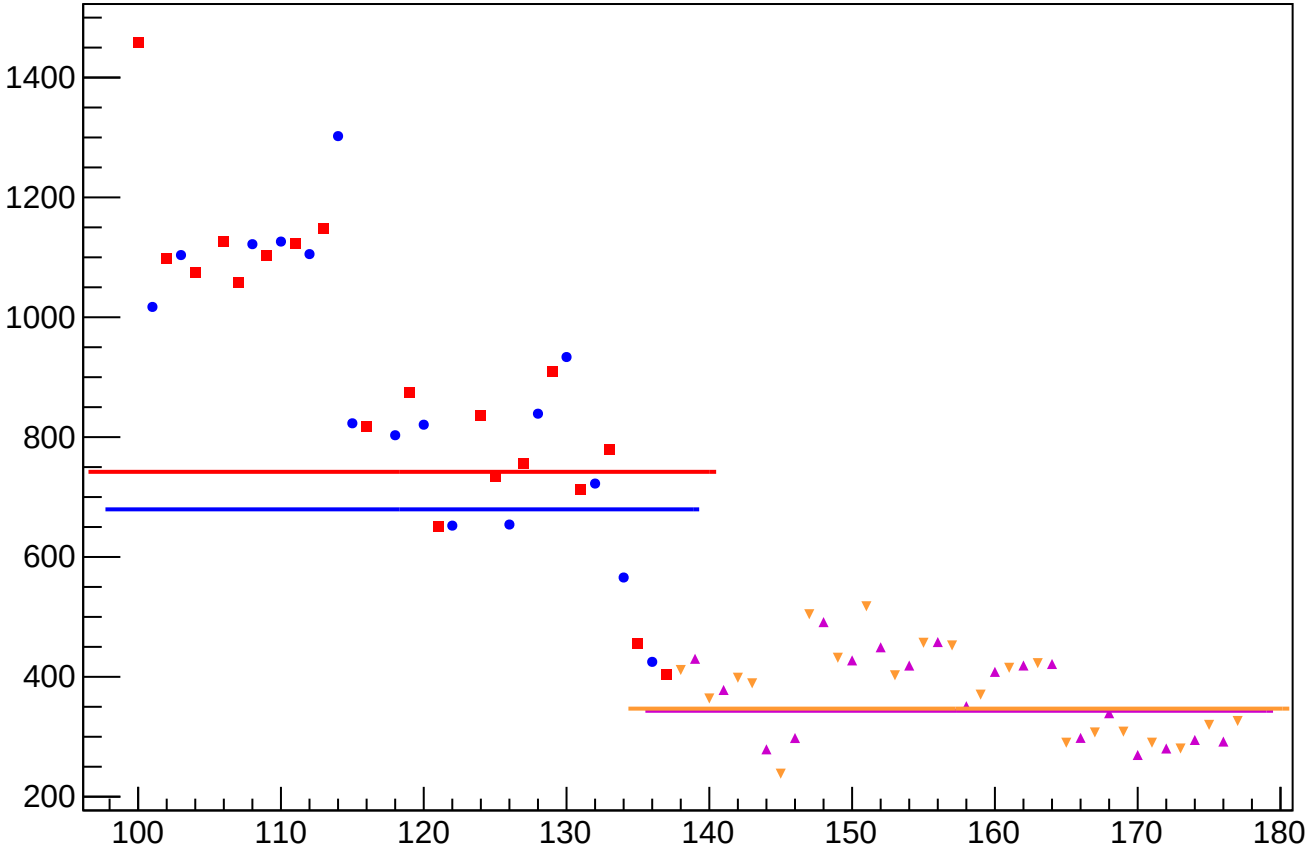
Right: -309.326+/-195.696 χ^2/NDF: 34.8/34

In: -55.807+/-84.650 χ^2/NDF:51.3/34

Out: -79.189+/-83.375 χ^2/NDF:46.5/39

All: -67.676+/-59.401 χ^2/NDF: 97.9/74

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 346.957+/-0.062 χ^2/NDF:1396124.4/20

Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 343.377+/-0.063 χ^2/NDF:1141370.1/18

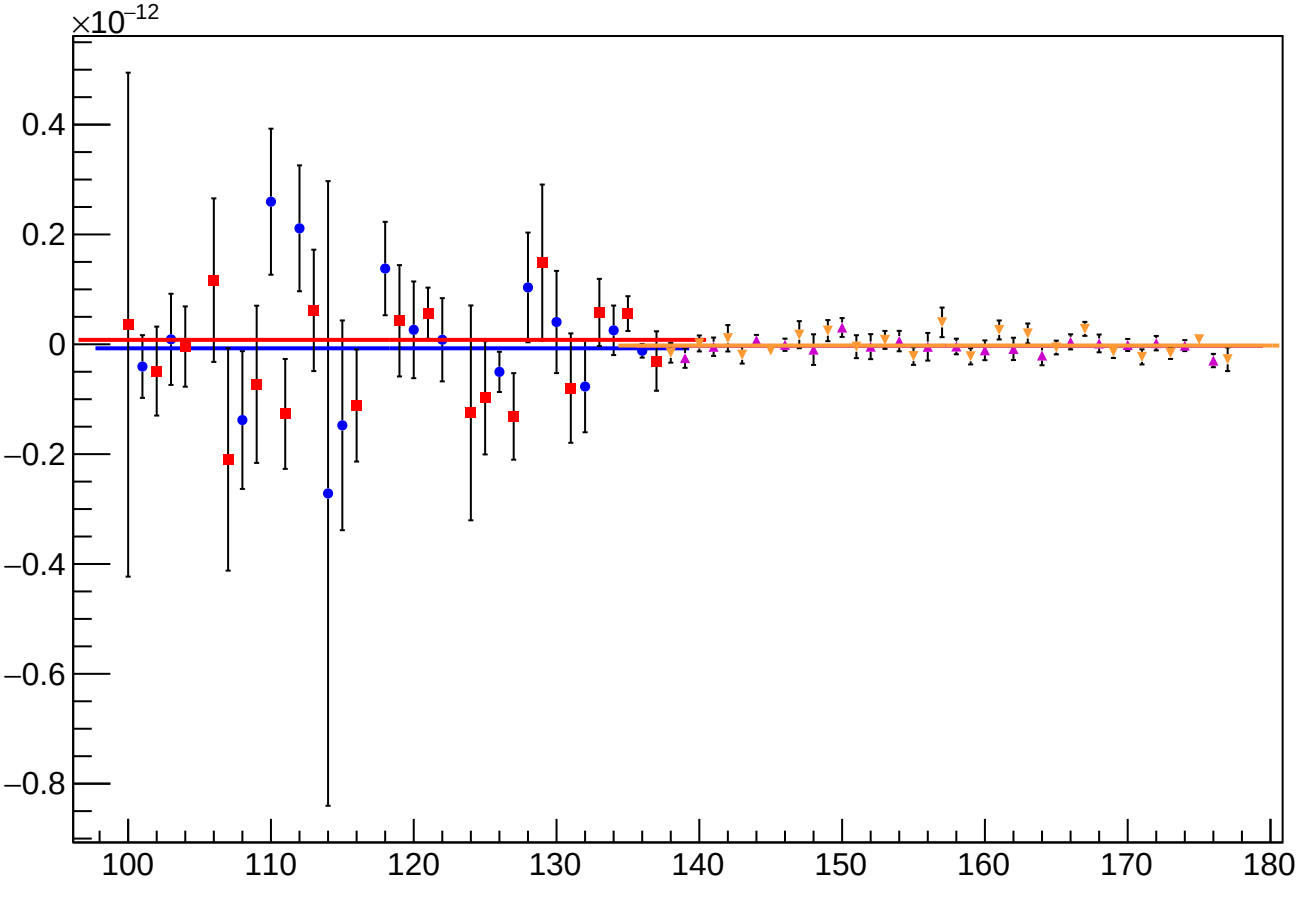
Left: 345.208+/-0.044 χ^2/NDF: 2539141.9/39

Right: 708.808+/-0.138 χ^2/NDF: 3156293.3/34

In: 376.795+/-0.060 χ^2/NDF:5565402.9/34

Out: 380.564+/-0.059 χ^2/NDF:6396095.4/39

All: 378.708+/-0.042 χ^2/NDF: 11963511.1/74



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:13.4/18

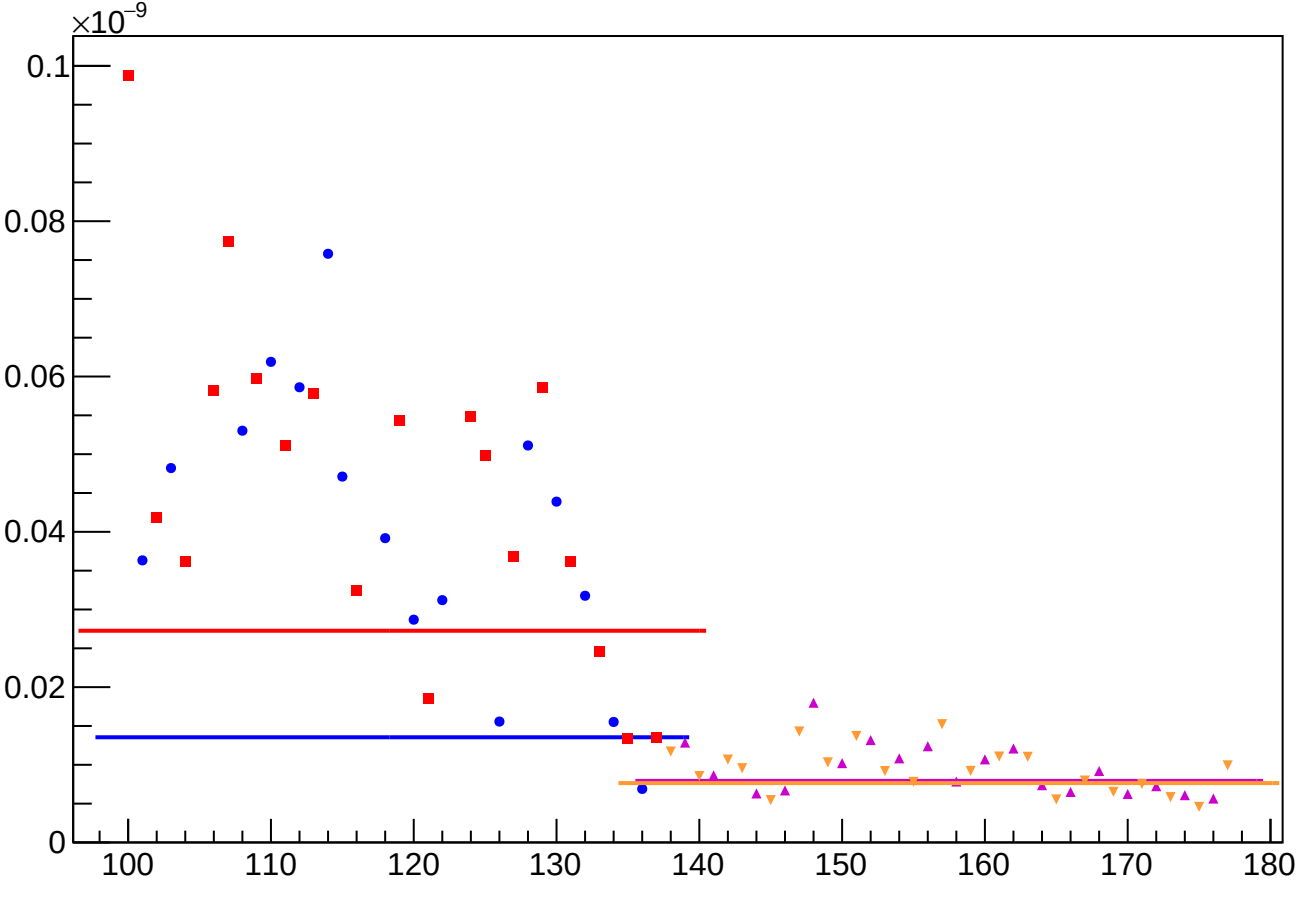
Left: -0.000+/-0.000 χ^2/NDF: 43.2/39

Right: -0.000+/-0.000 χ^2/NDF: 34.8/34

In: -0.000+/-0.000 χ^2/NDF:30.7/34

Out: -0.000+/-0.000 χ^2/NDF:47.2/39

All: -0.000+/-0.000 χ^2/NDF: 78.0/74



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1447708.5/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1107490.2/18

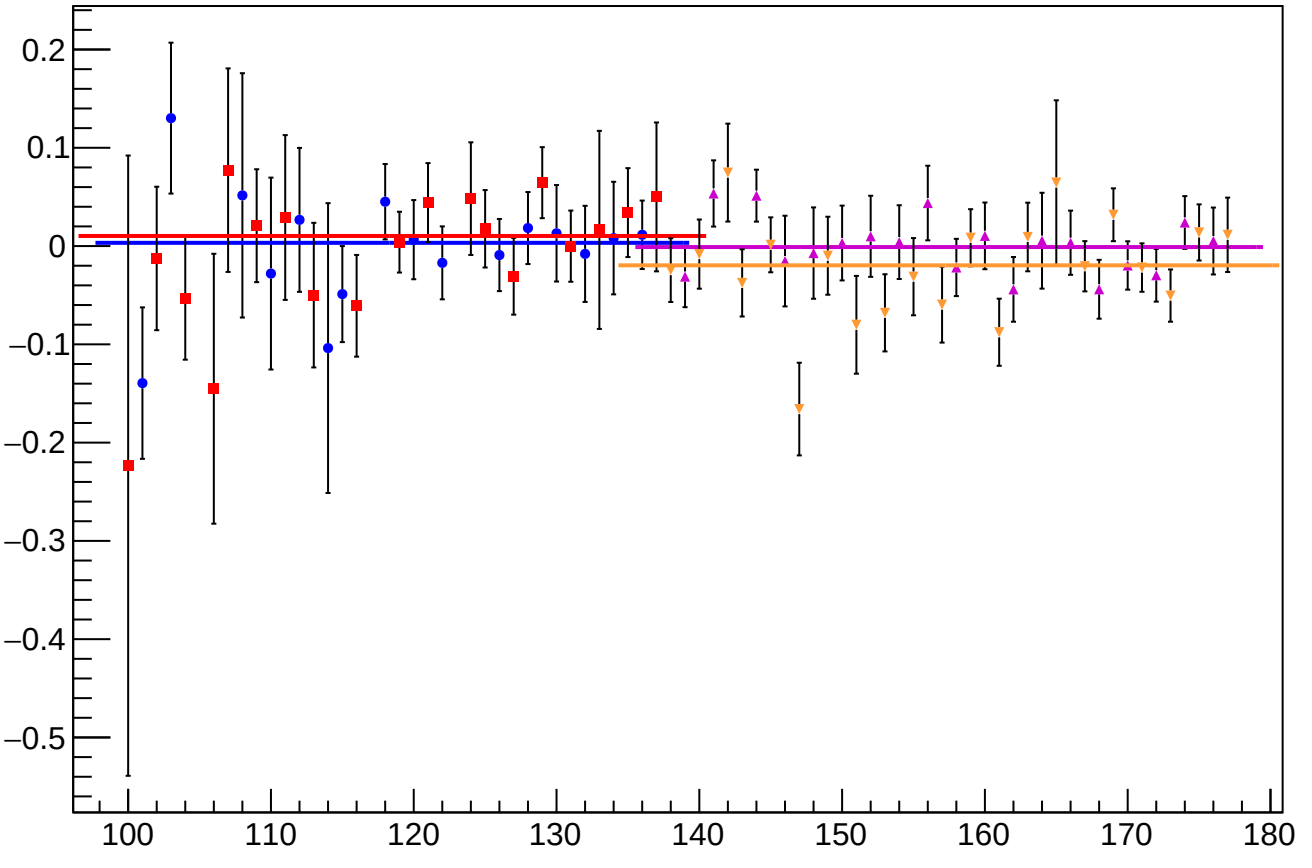
Left: 0.000+/-0.000 χ^2/NDF: 2562965.8/39

Right: 0.000+/-0.000 χ^2/NDF: 5700569.4/34

In: 0.000+/-0.000 χ^2/NDF:4676815.2/34

Out: 0.000+/-0.000 χ^2/NDF:5671254.8/39

All: 0.000+/-0.000 χ^2/NDF: 10352075.8/74



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.020+/-0.007 χ^2/NDF:32.1/20

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.001+/-0.008 χ^2/NDF:16.1/18

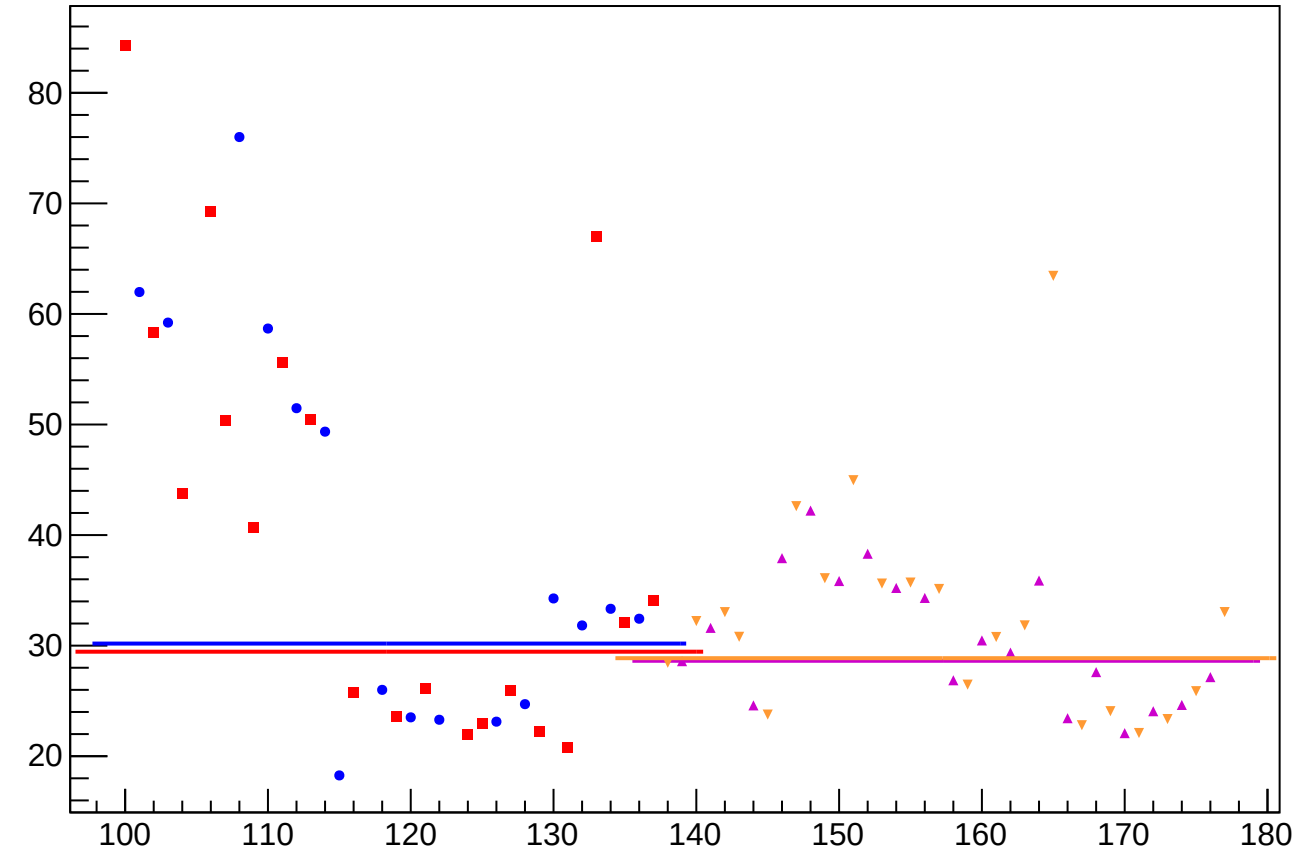
Left: -0.011+/-0.005 χ^2/NDF: 51.3/39

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.000+/-0.006 χ^2/NDF:26.3/34

Out: -0.011+/-0.006 χ^2/NDF:47.9/39

All: -0.006+/-0.004 χ^2/NDF: 75.9/74



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 28.865+/-0.005 χ^2/NDF:1558253.2/20

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.632+/-0.005 χ^2/NDF:961431.9/18

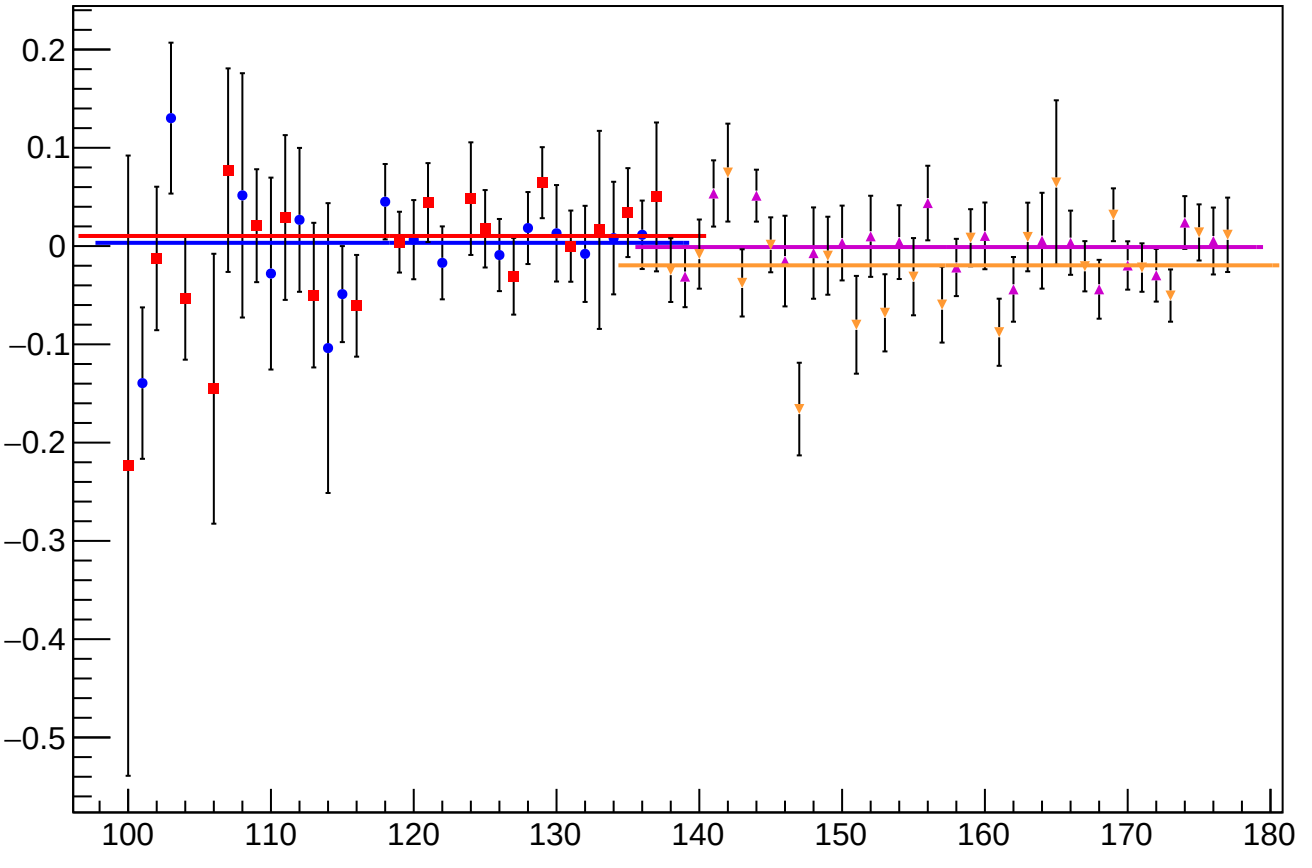
Left: 28.751+/-0.004 χ^2/NDF: 2520674.6/39

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 29.055+/-0.005 χ^2/NDF:2672132.6/34

Out: 29.028+/-0.004 χ^2/NDF:3410449.9/39

All: 29.041+/-0.003 χ^2/NDF: 6082601.8/74



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.020+/-0.007 χ^2/NDF:32.1/20

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.001+/-0.008 χ^2/NDF:16.1/18

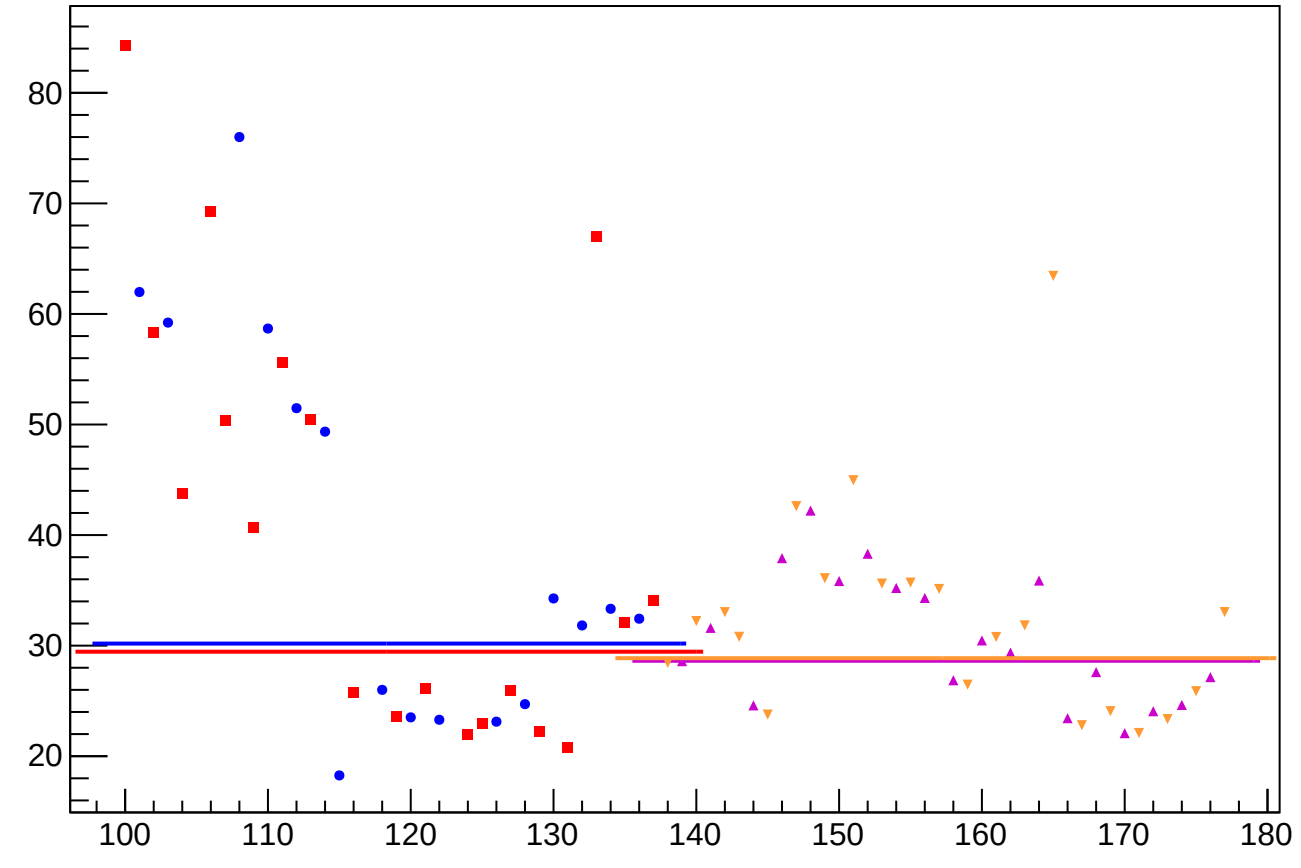
Left: -0.011+/-0.005 χ^2/NDF: 51.3/39

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.000+/-0.006 χ^2/NDF:26.3/34

Out: -0.011+/-0.006 χ^2/NDF:47.9/39

All: -0.006+/-0.004 χ^2/NDF: 75.9/74



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 28.865+/-0.005 χ^2/NDF:1558253.2/20

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.632+/-0.005 χ^2/NDF:961431.9/18

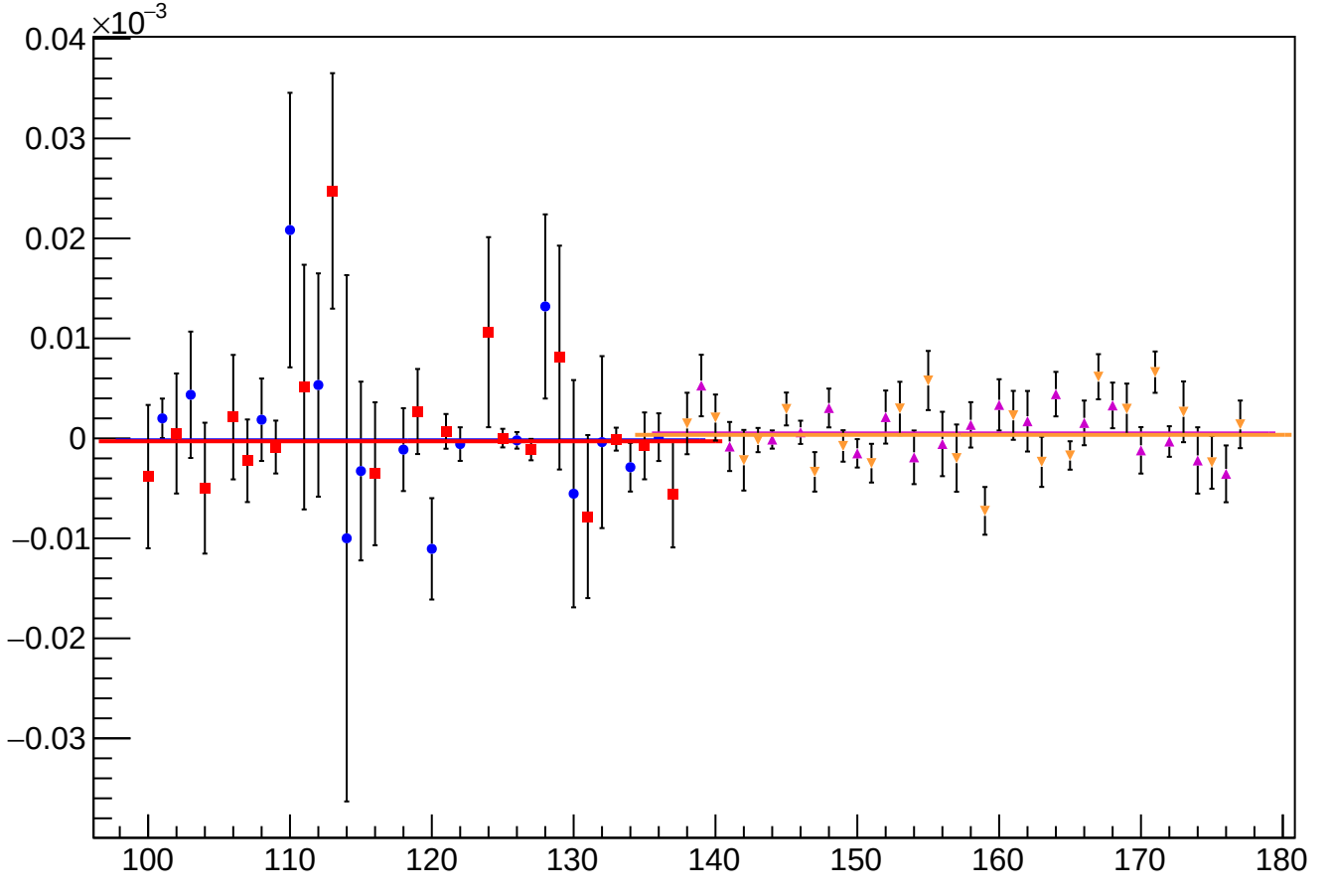
Left: 28.751+/-0.004 χ^2/NDF: 2520674.6/39

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 29.055+/-0.005 χ^2/NDF:2672132.6/34

Out: 29.028+/-0.004 χ^2/NDF:3410449.9/39

All: 29.041+/-0.003 χ^2/NDF: 6082601.8/74



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:47.9/20

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:18.0/18

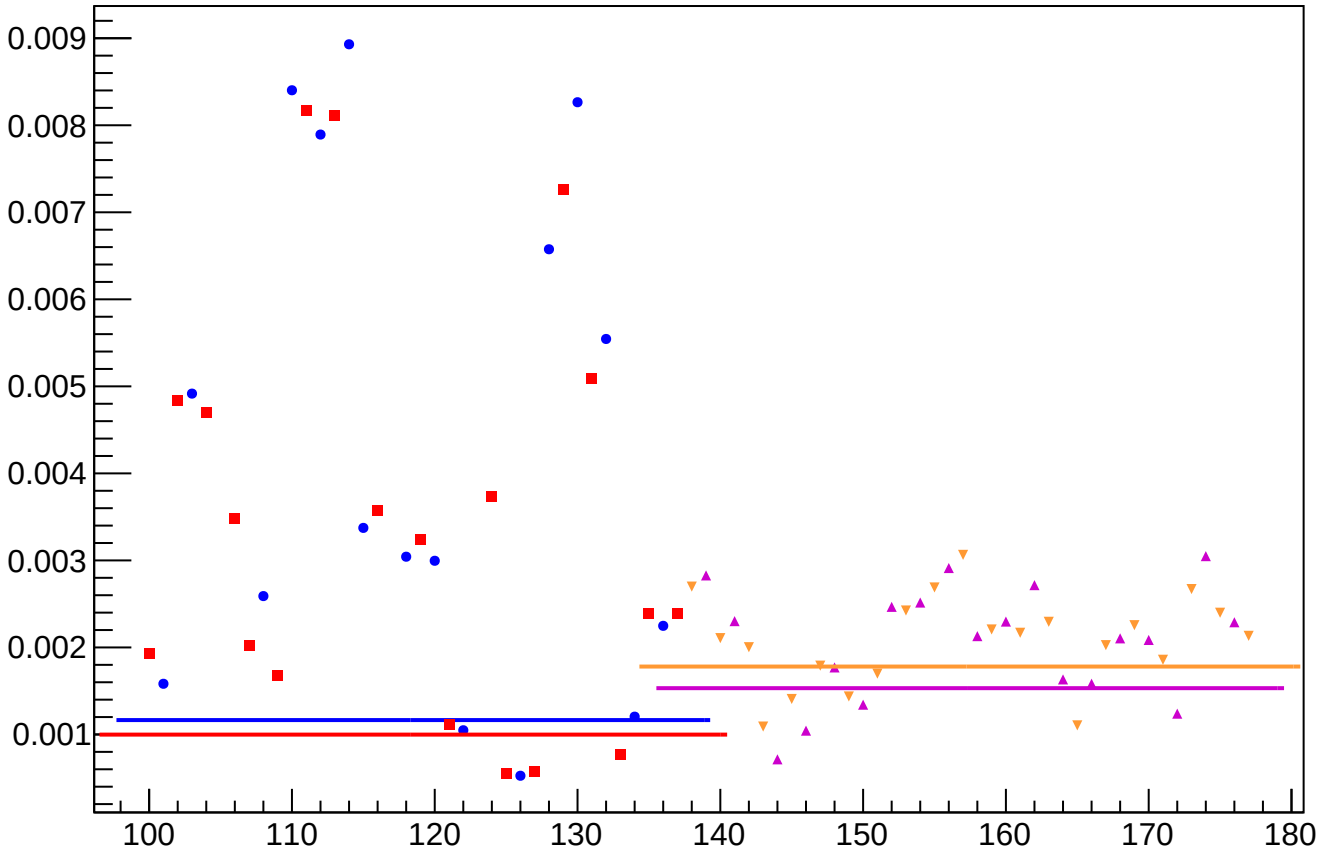
Left: 0.000+/-0.000 χ^2/NDF: 65.9/39

Right: -0.000+/-0.000 χ^2/NDF: 24.6/34

In: 0.000+/-0.000 χ^2/NDF:32.0/34

Out: 0.000+/-0.000 χ^2/NDF:60.1/39

All: 0.000+/-0.000 χ^2/NDF: 92.2/74



Right In: 0.001+/-0.000 χ^2/NDF: 6881775.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2749058.9/20

Right Out: 0.001+/-0.000 χ^2/NDF: 6937197.5/18

Left In: 0.002+/-0.000 χ^2/NDF:4968728.6/18

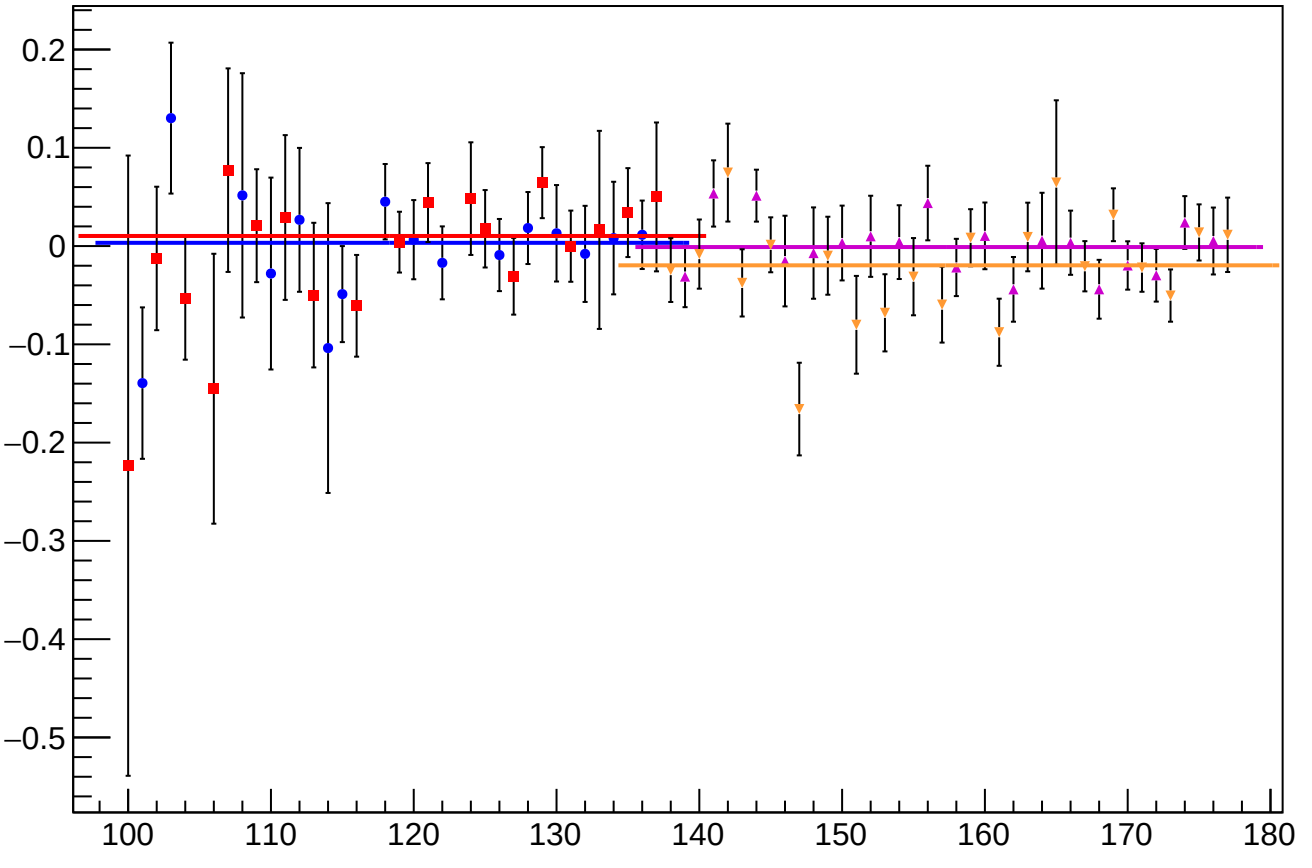
Left: 0.002+/-0.000 χ^2/NDF: 8024676.4/39

Right: 0.001+/-0.000 χ^2/NDF: 13904727.1/34

In: 0.001+/-0.000 χ^2/NDF:12323398.7/34

Out: 0.001+/-0.000 χ^2/NDF:12213989.3/39

All: 0.001+/-0.000 χ^2/NDF: 24544951.5/74



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.020+/-0.007 χ^2/NDF:32.1/20

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.001+/-0.008 χ^2/NDF:16.1/18

Left: -0.011+/-0.005 χ^2/NDF: 51.3/39

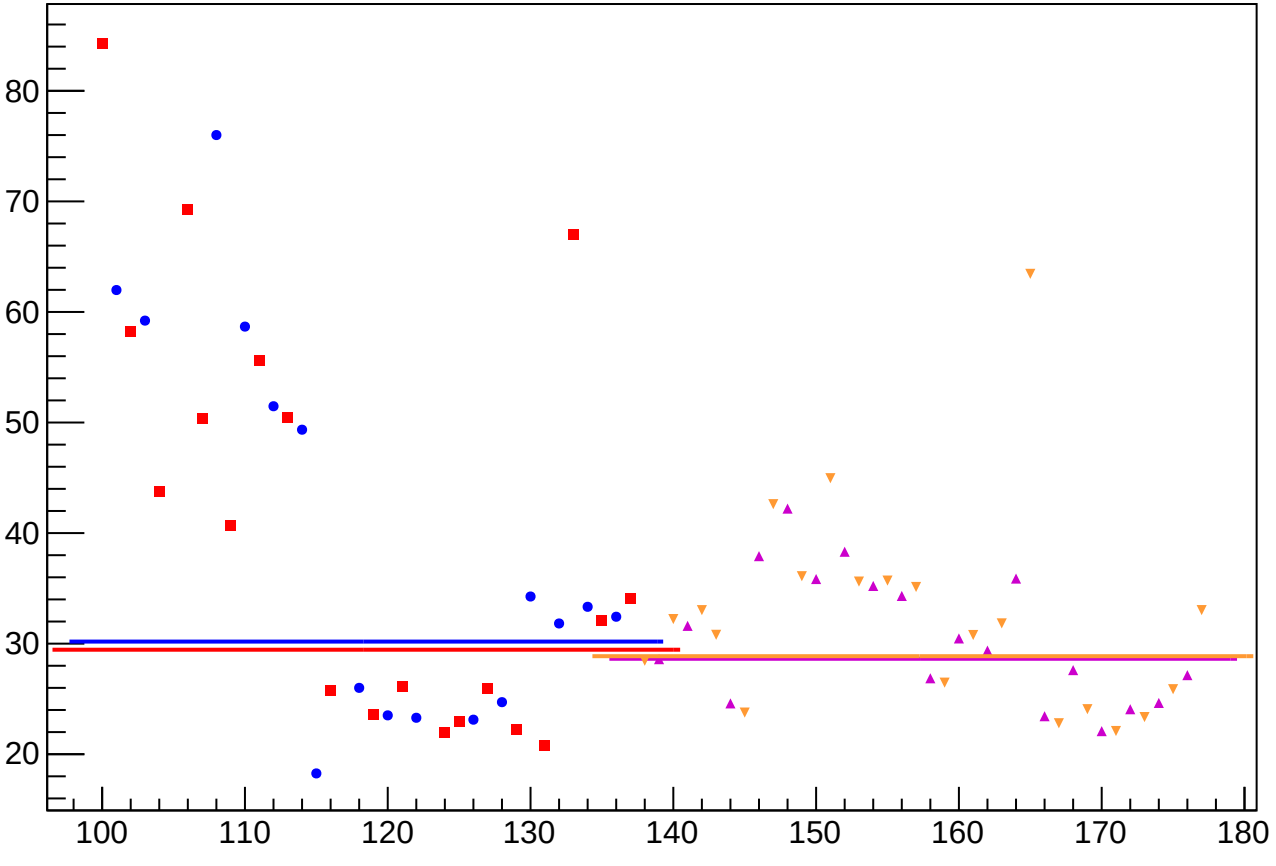
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.000+/-0.006 χ^2/NDF:26.3/34

Out: -0.011+/-0.006 χ^2/NDF:47.9/39

All: -0.006+/-0.004 χ^2/NDF: 75.9/74

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: 28.865+/-0.005 χ^2/NDF:1558225.4/20

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 28.632+/-0.005 χ^2/NDF:961397.8/18

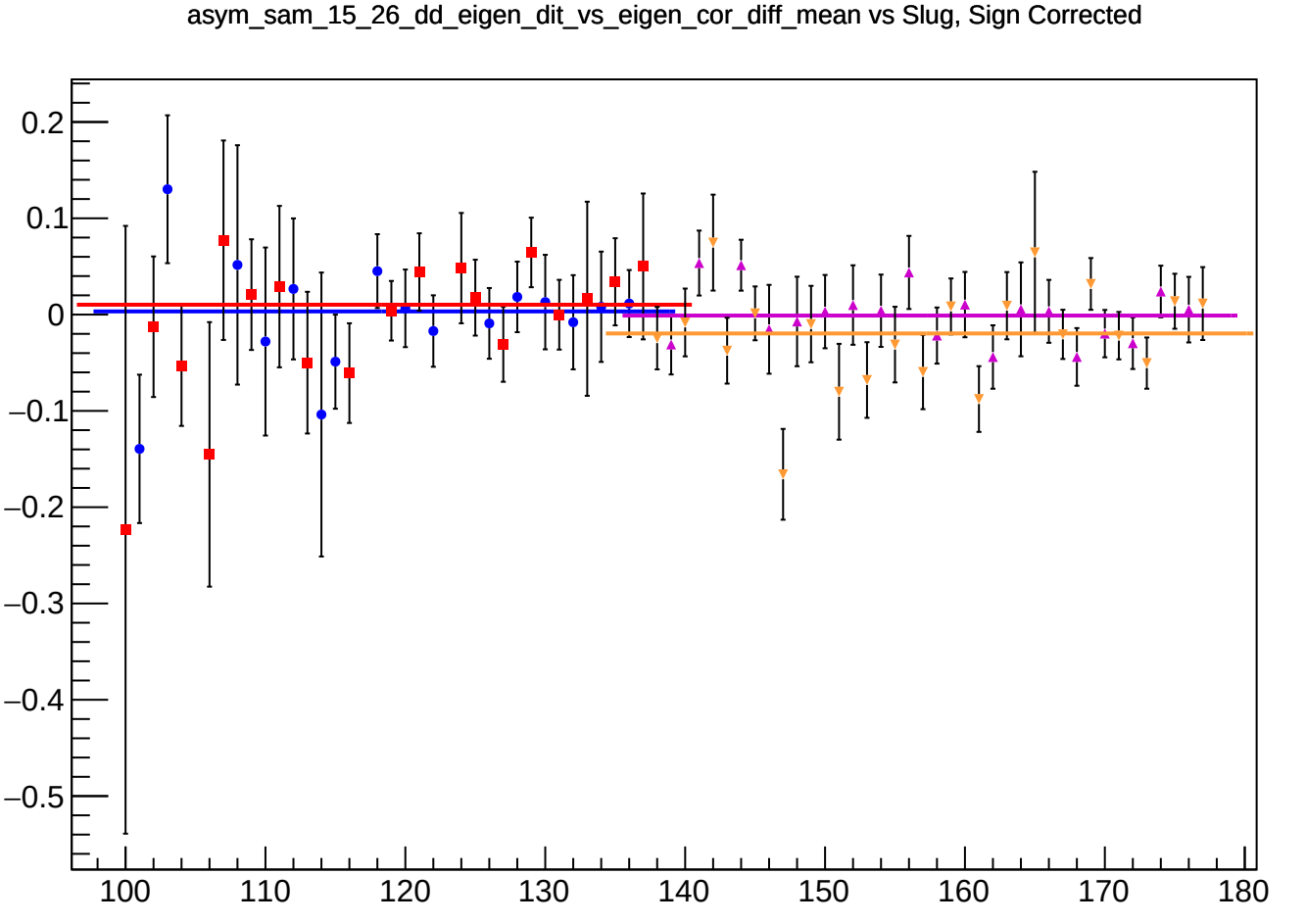
Left: 28.752+/-0.004 χ^2/NDF: 2520611.8/39

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 29.056+/-0.005 χ^2/NDF:2671907.9/34

Out: 29.028+/-0.004 χ^2/NDF:3410410.0/39

All: 29.041+/-0.003 χ^2/NDF: 6082337.6/74



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.020+/-0.007 χ^2/NDF:32.1/20

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.001+/-0.008 χ^2/NDF:16.1/18

Left: -0.011+/-0.005 χ^2/NDF: 51.3/39

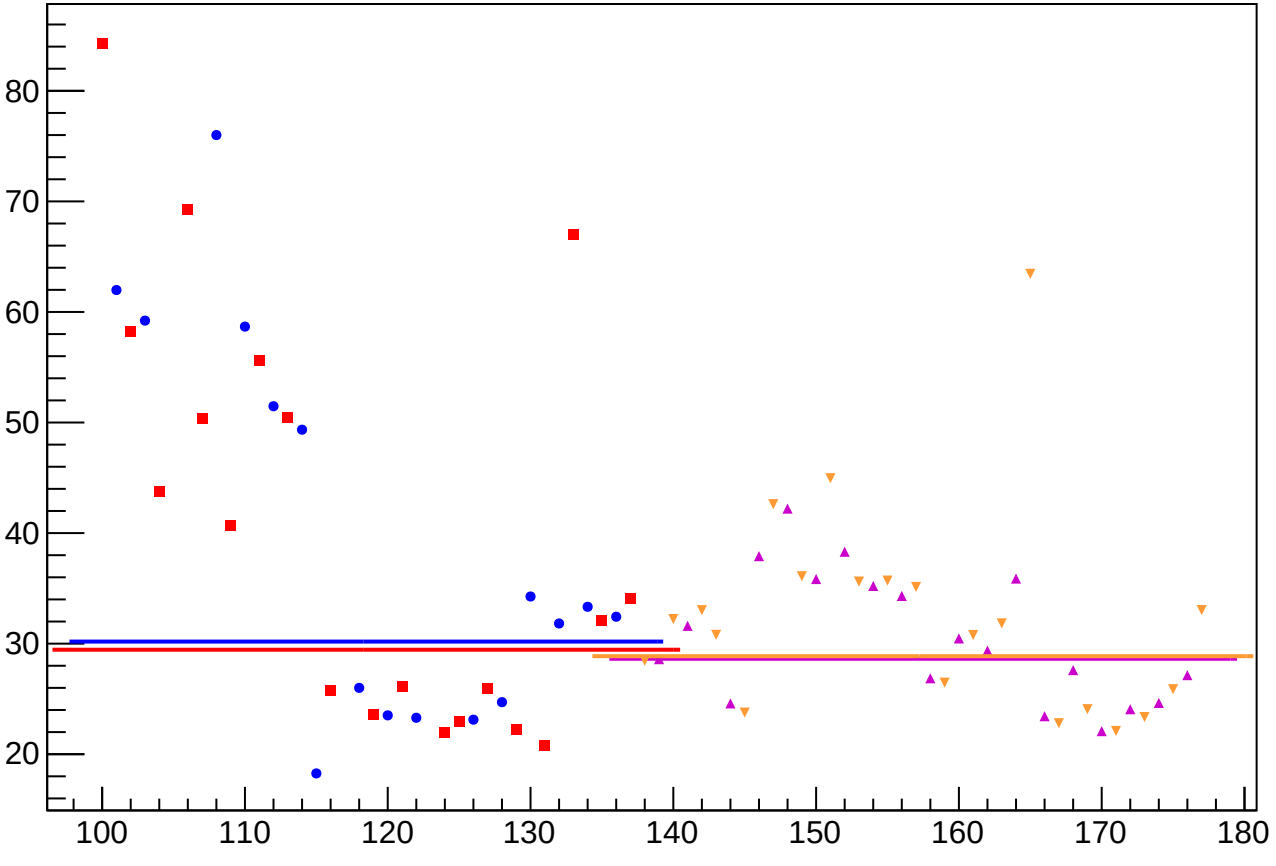
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.000+/-0.006 χ^2/NDF:26.3/34

Out: -0.011+/-0.006 χ^2/NDF:47.9/39

All: -0.006+/-0.004 χ^2/NDF: 75.9/74

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: 28.865+/-0.005 χ^2/NDF:1558225.4/20

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 28.632+/-0.005 χ^2/NDF:961397.8/18

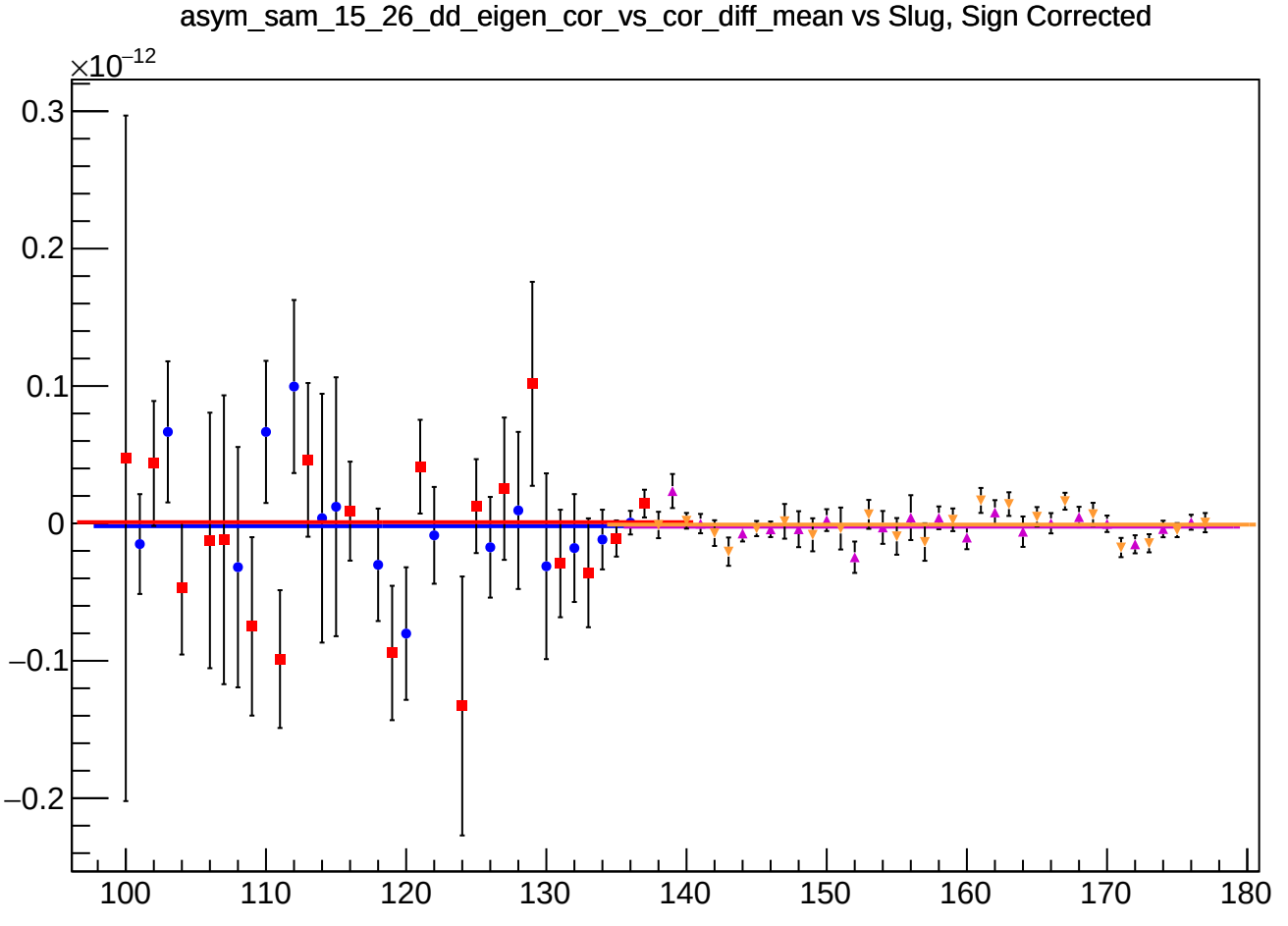
Left: 28.752+/-0.004 χ^2/NDF: 2520611.8/39

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 29.056+/-0.005 χ^2/NDF:2671907.9/34

Out: 29.028+/-0.004 χ^2/NDF:3410410.0/39

All: 29.041+/-0.003 χ^2/NDF: 6082337.6/74



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:17.9/18

Left: -0.000+/-0.000 χ^2/NDF: 51.7/39

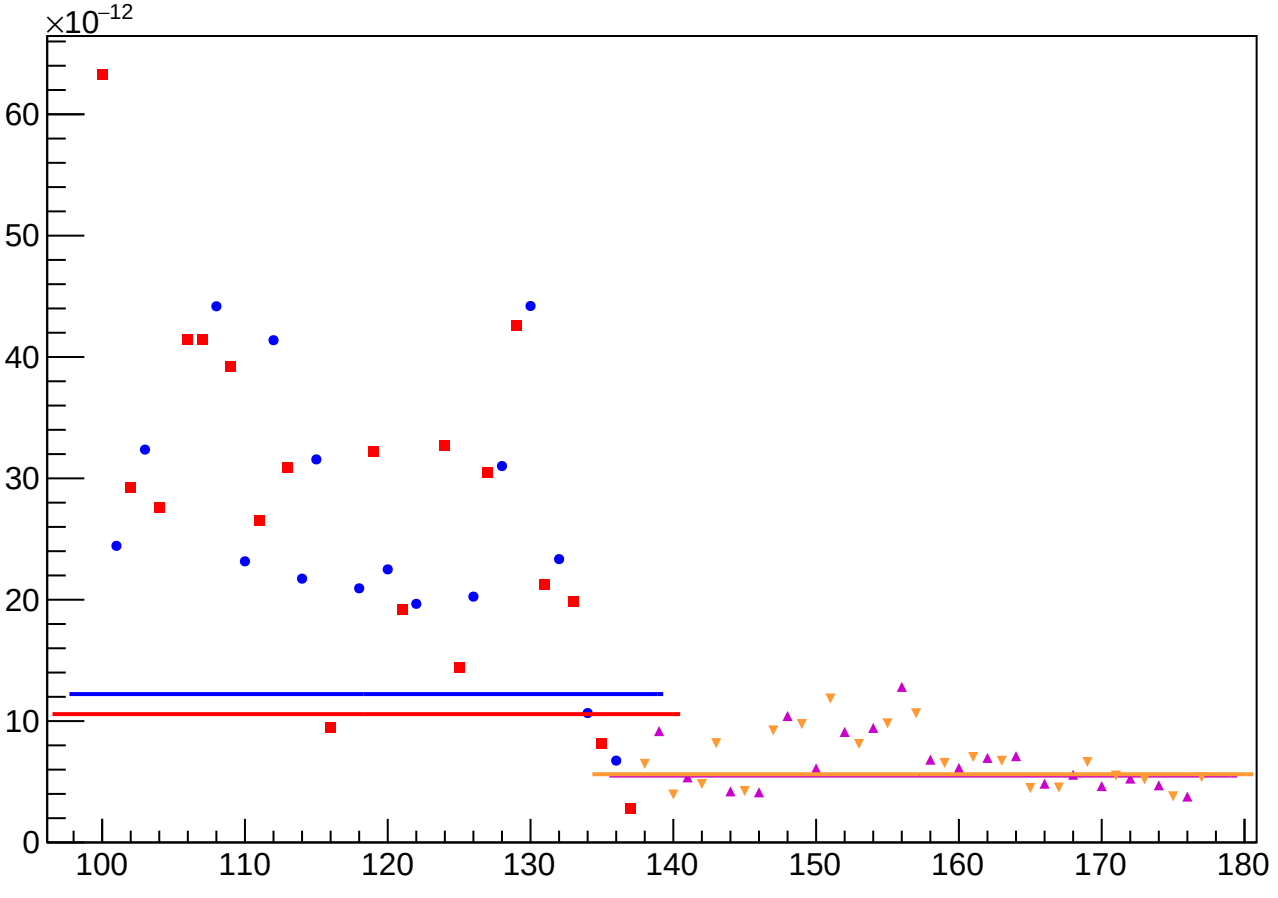
Right: -0.000+/-0.000 χ^2/NDF: 31.9/34

In: -0.000+/-0.000 χ^2/NDF:28.3/34

Out: -0.000+/-0.000 χ^2/NDF:54.9/39

All: -0.000+/-0.000 χ^2/NDF: 83.7/74

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:2282554.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 4770079.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1953078.7/18

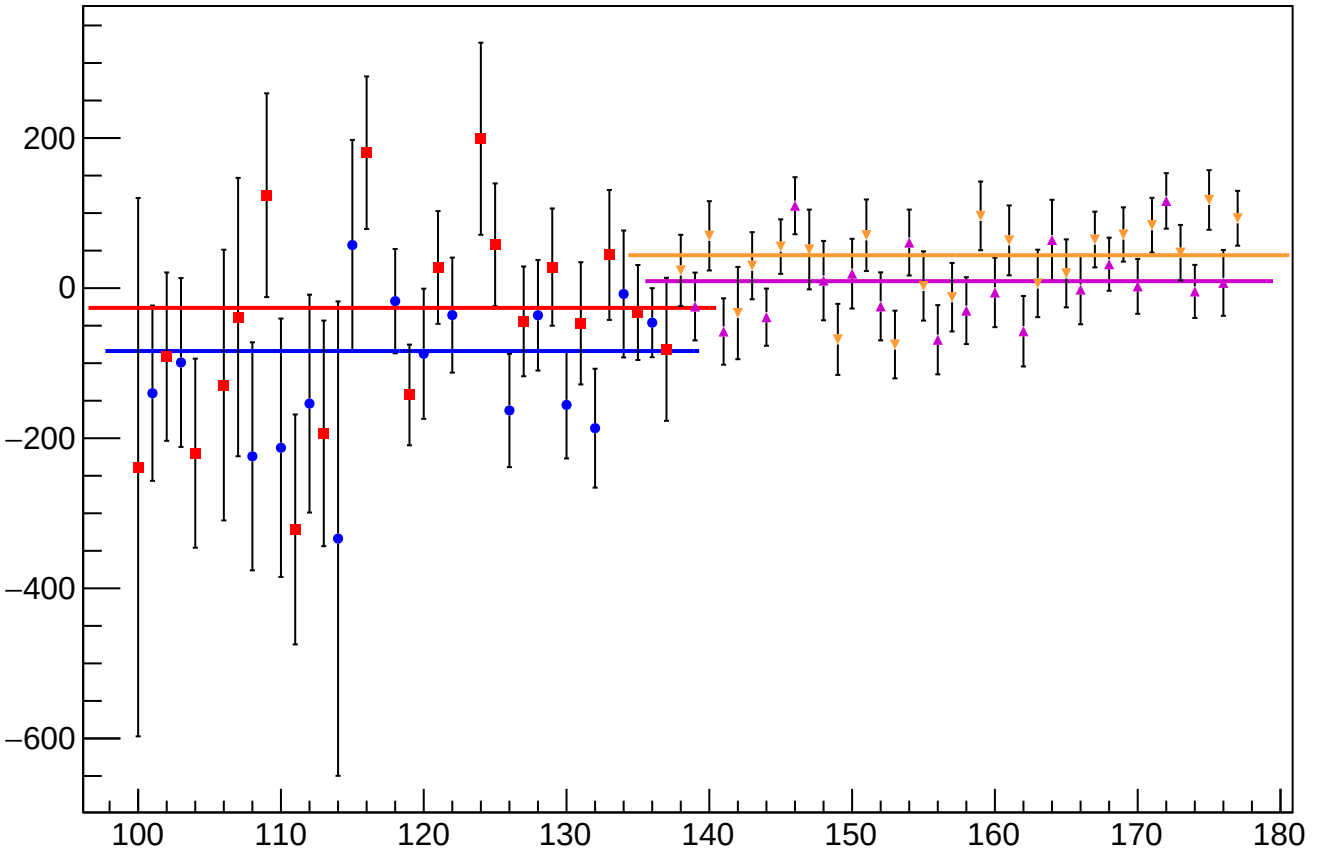
Left: 0.000+/-0.000 χ^2/NDF: 4239754.9/39

Right: 0.000+/-0.000 χ^2/NDF: 8268115.2/34

In: 0.000+/-0.000 χ^2/NDF:7211645.5/34

Out: 0.000+/-0.000 χ^2/NDF:8089232.4/39

All: 0.000+/-0.000 χ^2/NDF: 15300889.1/74



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 43.887+/-9.368 χ^2/NDF:27.3/20

Right Out: -26.301+/-22.067 χ^2/NDF: 23.0/18

Left In: 9.316+/-9.750 χ^2/NDF:29.2/18

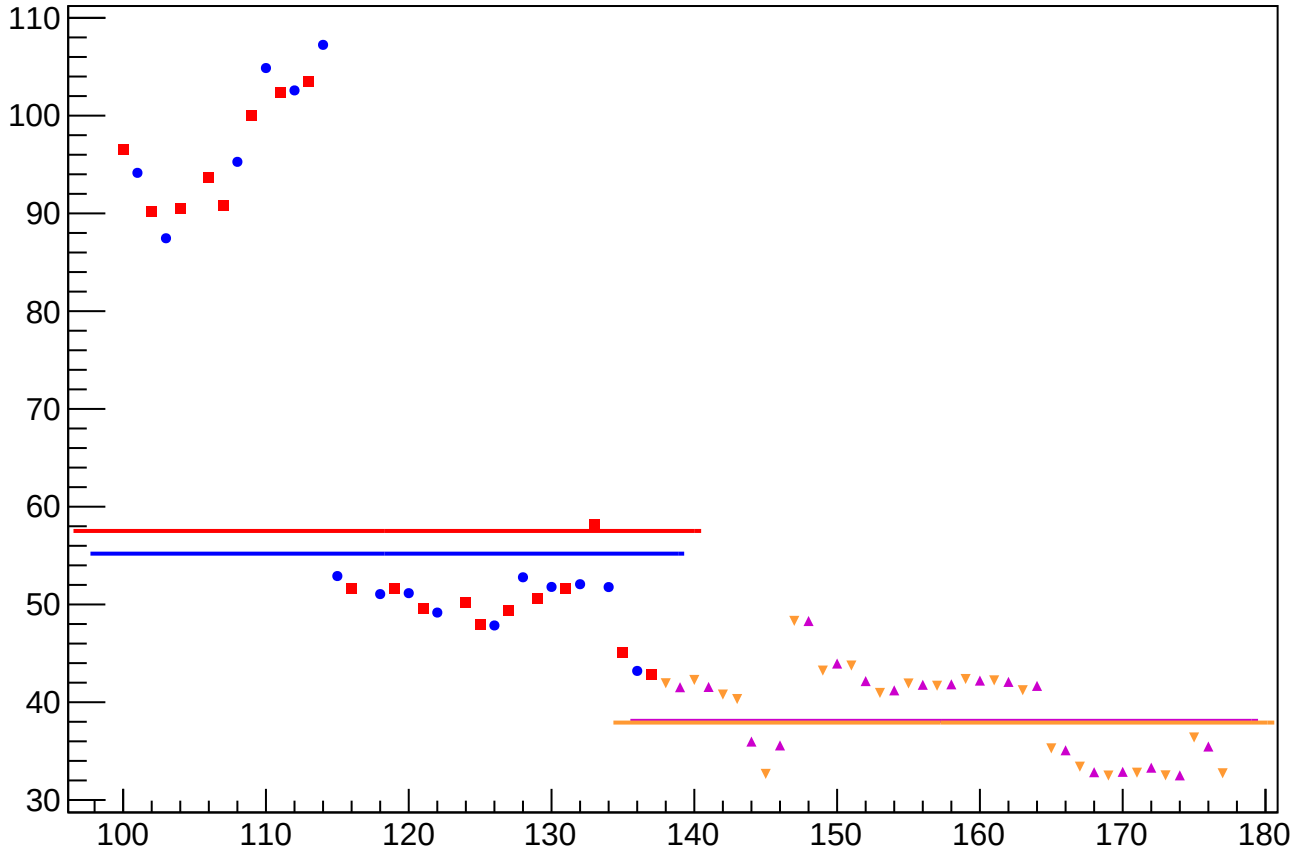
Left: 27.294+/-6.755 χ^2/NDF: 63.1/39

Right: -55.890+/-15.375 χ^2/NDF: 37.0/34

In: -6.650+/-8.875 χ^2/NDF:55.4/34

Out: 33.170+/-8.623 χ^2/NDF:58.9/39

All: 13.834+/-6.185 χ^2/NDF: 124.6/74



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 37.919+/-0.007 χ^2/NDF:507175.5/20

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

Left In: 38.096+/-0.007 χ^2/NDF:421320.1/18

Left: 38.004+/-0.005 χ^2/NDF: 928837.7/39

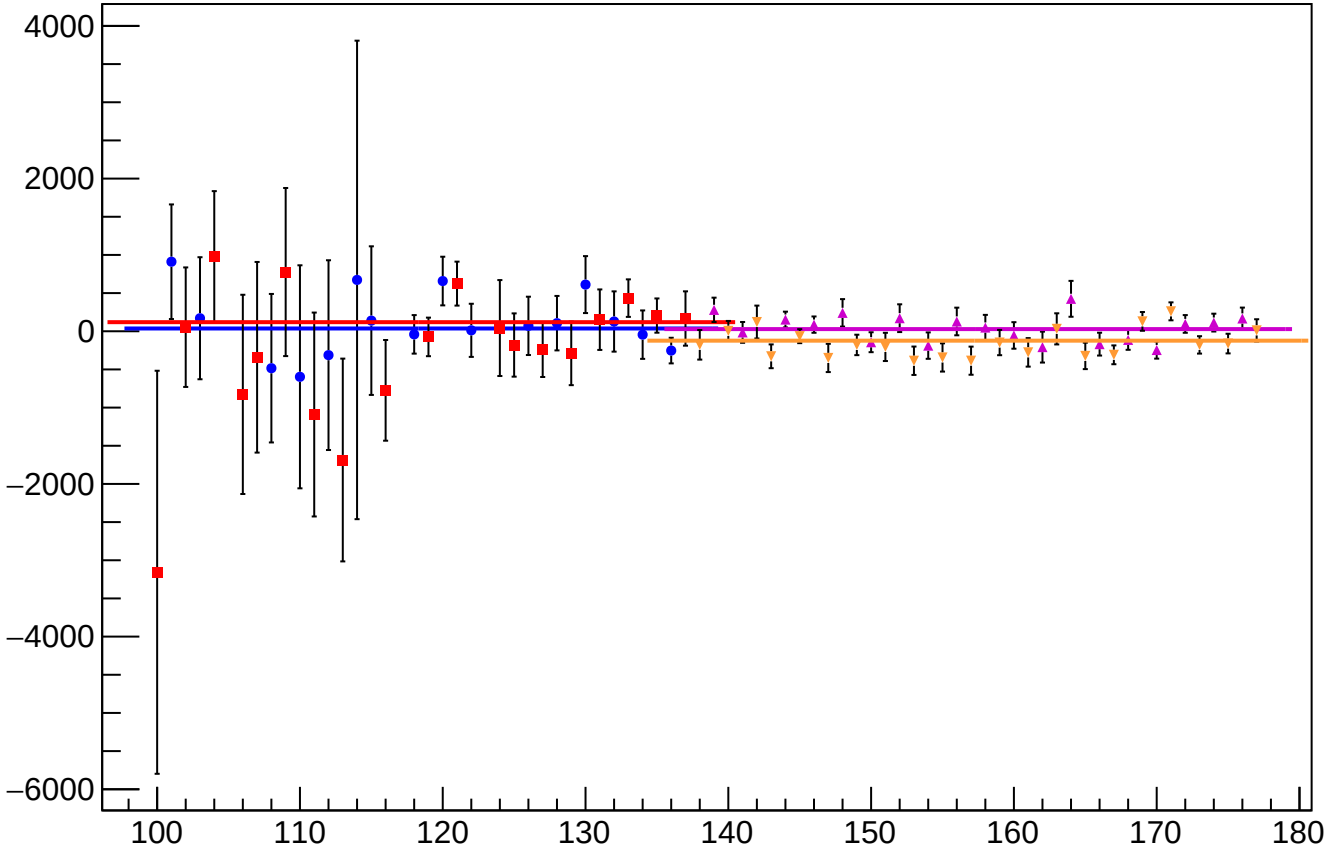
Right: 56.325+/-0.011 χ^2/NDF: 2445763.7/34

In: 41.028+/-0.006 χ^2/NDF:2628792.7/34

Out: 40.912+/-0.006 χ^2/NDF:3125898.1/39

All: 40.968+/-0.004 χ^2/NDF: 5754867.3/74

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: -123.222+/-31.930 χ^2/NDF:32.7/20

Right Out: 119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: 28.389+/-32.473 χ^2/NDF:25.0/18

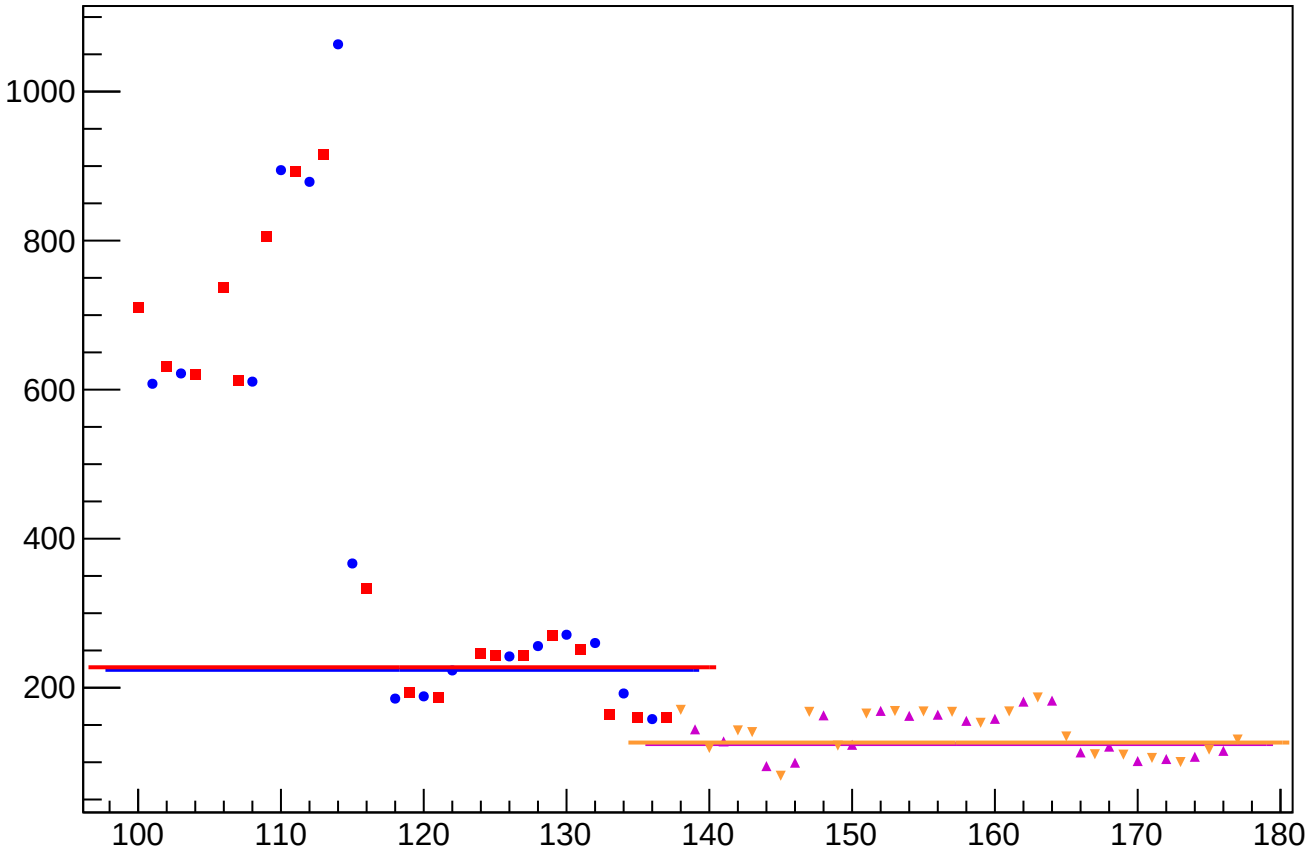
Left: -48.694+/-22.768 χ^2/NDF: 68.8/39

Right: 76.754+/-66.947 χ^2/NDF: 27.8/34

In: 29.243+/-30.678 χ^2/NDF:36.4/34

Out: -99.003+/-30.293 χ^2/NDF:54.5/39

All: -35.689+/-21.555 χ^2/NDF: 99.8/74



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 126.430+/-0.023 χ^2/NDF:1682638.1/20

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

Left In: 124.412+/-0.023 χ^2/NDF:1338698.4/18

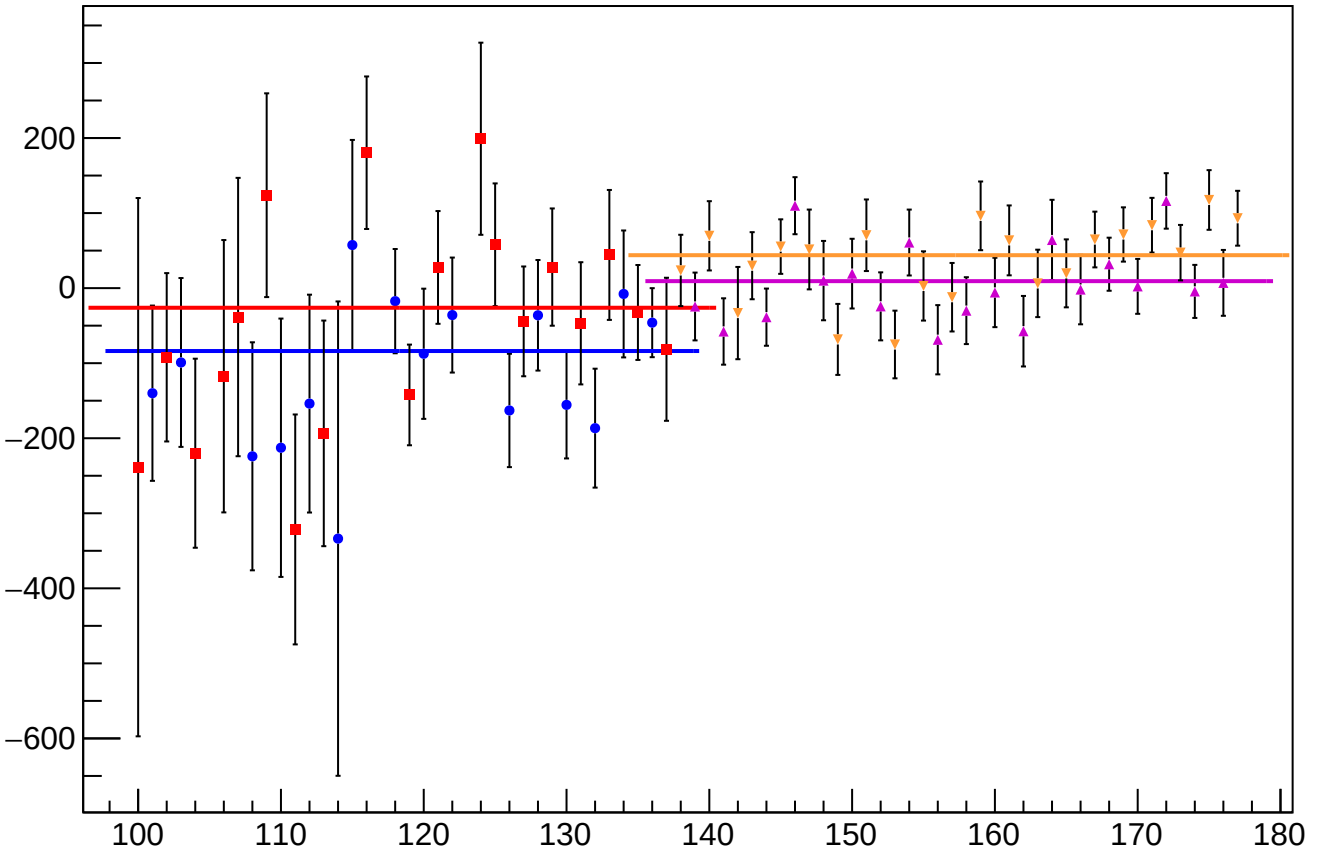
Left: 125.438+/-0.016 χ^2/NDF: 3025262.1/39

Right: 225.705+/-0.047 χ^2/NDF: 6609984.7/34

In: 135.123+/-0.022 χ^2/NDF:6330718.0/34

Out: 136.524+/-0.021 χ^2/NDF:7323594.8/39

All: 135.832+/-0.015 χ^2/NDF: 13656424.0/74



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 43.889+/-9.368 χ^2/NDF:27.3/20

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: 9.316+/-9.750 χ^2/NDF:29.2/18

Left: 27.294+/-6.755 χ^2/NDF: 63.1/39

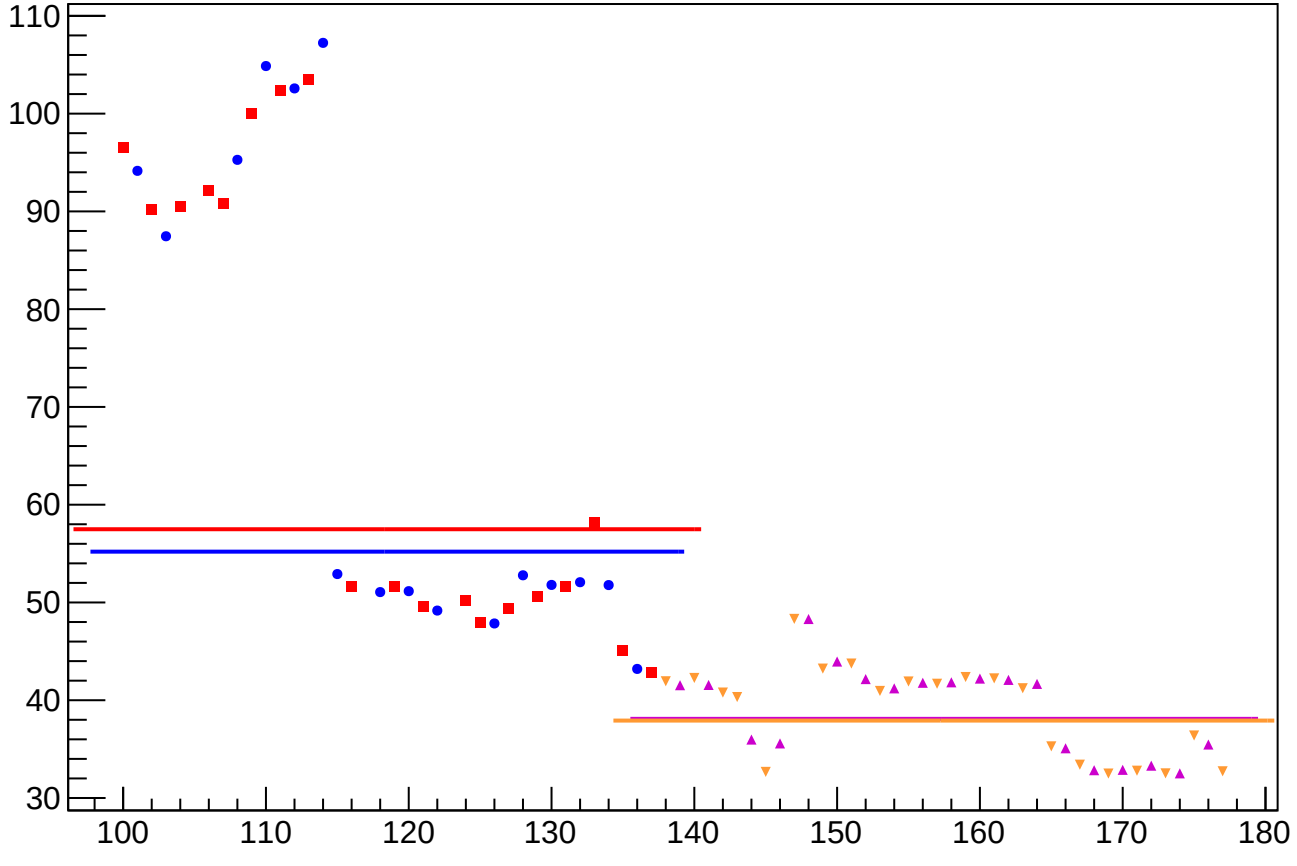
Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -6.650+/-8.875 χ^2/NDF:55.4/34

Out: 33.197+/-8.623 χ^2/NDF:58.8/39

All: 13.848+/-6.185 χ^2/NDF: 124.5/74

cor_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 37.919+/-0.007 χ^2/NDF:507175.5/20

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 38.096+/-0.007 χ^2/NDF:421320.0/18

Left: 38.004+/-0.005 χ^2/NDF: 928837.7/39

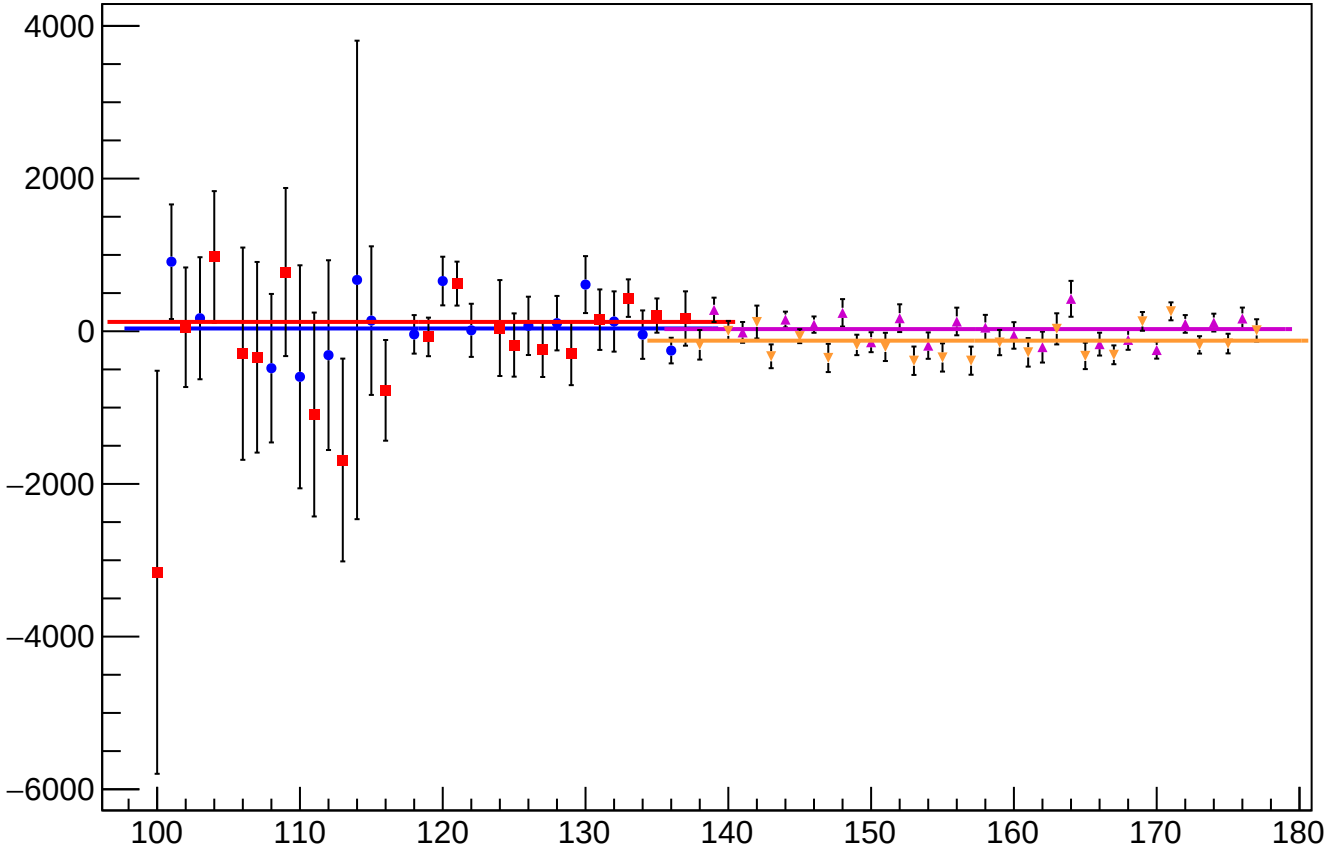
Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 41.028+/-0.006 χ^2/NDF:2628792.9/34

Out: 40.907+/-0.006 χ^2/NDF:3114339.2/39

All: 40.966+/-0.004 χ^2/NDF: 5743323.7/74

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: -123.223+/-31.930 χ^2/NDF:32.7/20

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 28.390+/-32.473 χ^2/NDF:25.0/18

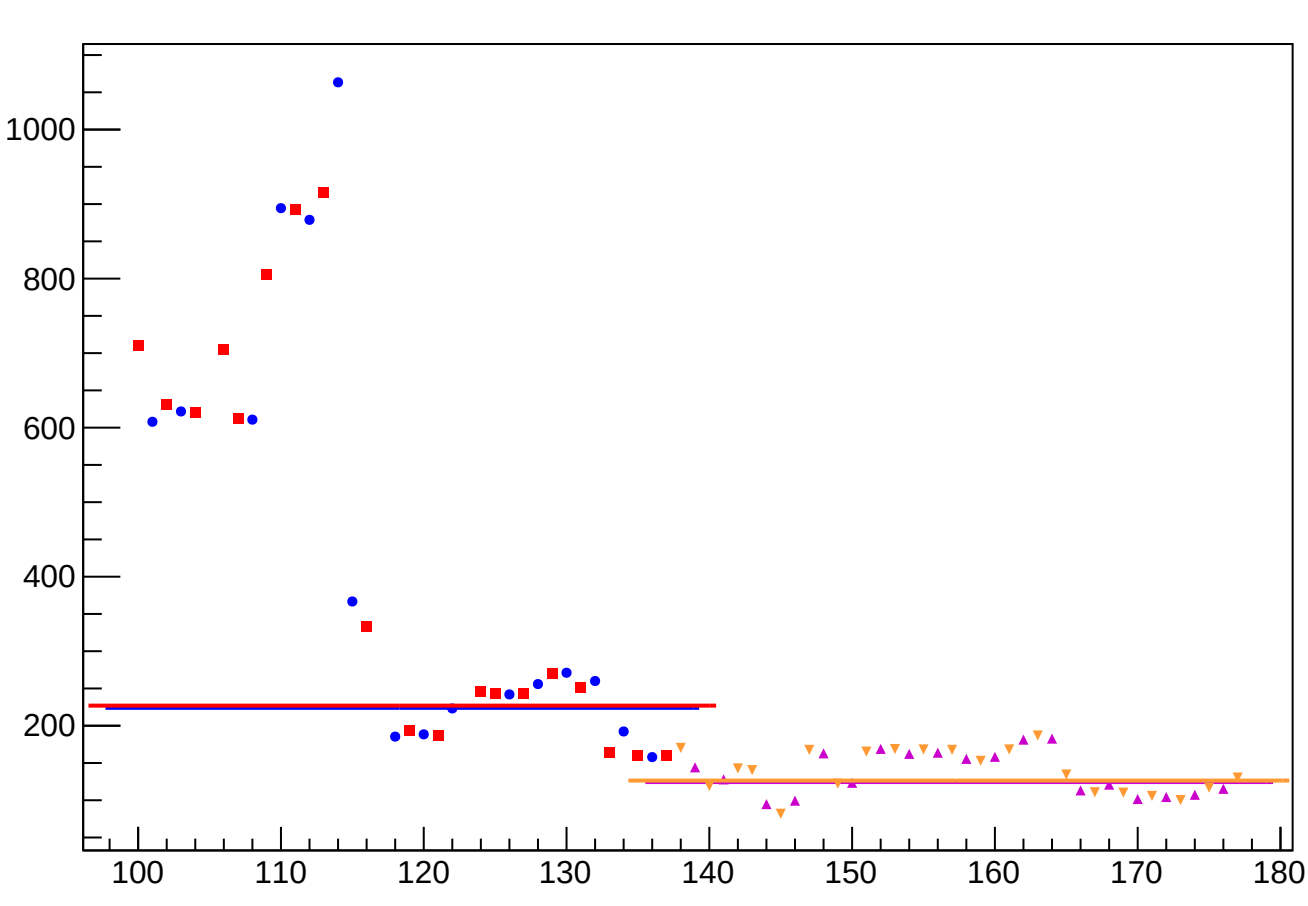
Left: -48.694+/-22.768 χ^2/NDF: 68.8/39

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 29.243+/-30.678 χ^2/NDF:36.4/34

Out: -98.706+/-30.294 χ^2/NDF:54.2/39

All: -35.536+/-21.556 χ^2/NDF: 99.4/74



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 126.430+/-0.023 χ^2/NDF:1682636.8/20

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 124.412+/-0.023 χ^2/NDF:1338706.5/18

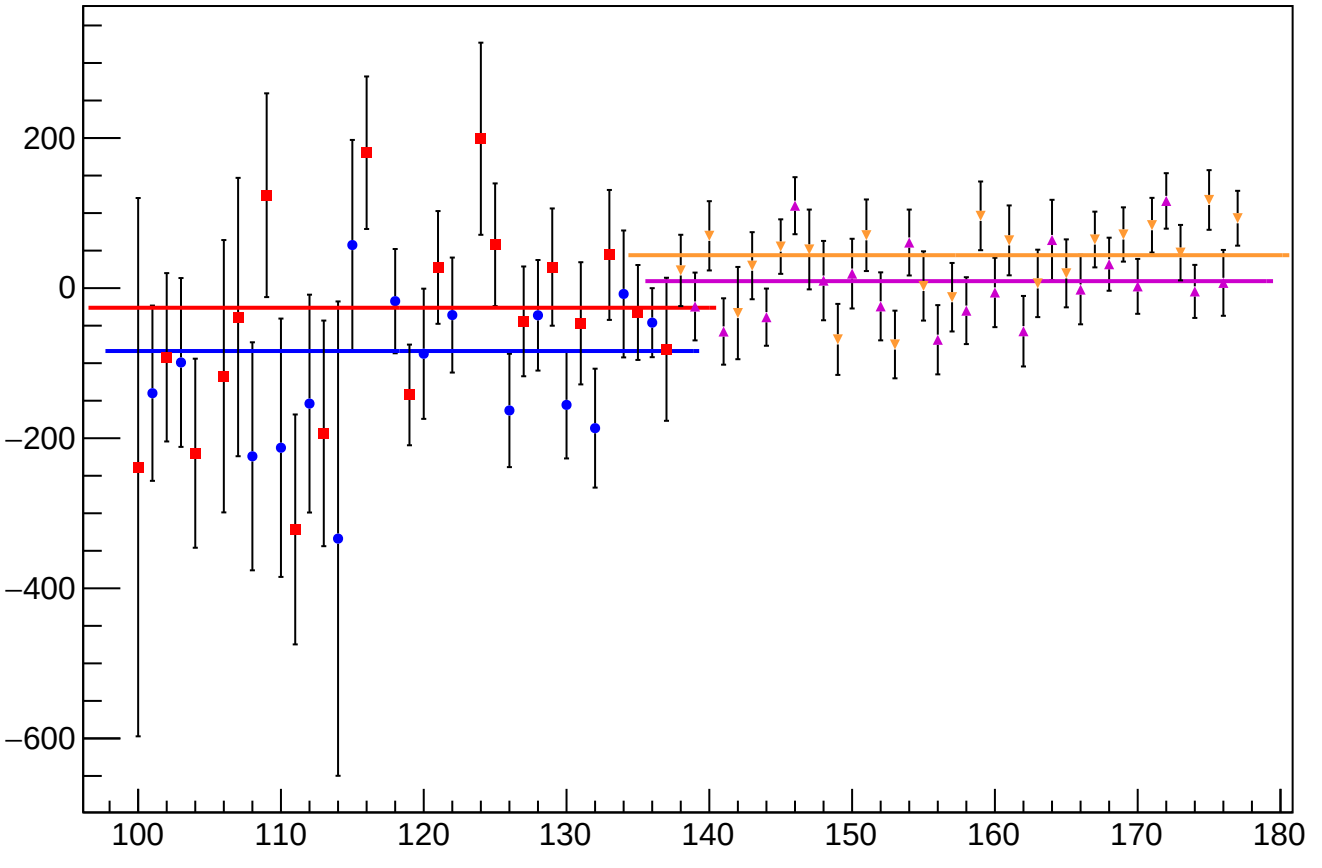
Left: 125.438+/-0.016 χ^2/NDF: 3025269.4/39

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 135.123+/-0.022 χ^2/NDF:6330737.2/34

Out: 136.470+/-0.021 χ^2/NDF:7234781.2/39

All: 135.805+/-0.015 χ^2/NDF: 13567470.5/74



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 43.889+/-9.368 χ^2/NDF:27.3/20

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: 9.316+/-9.750 χ^2/NDF:29.2/18

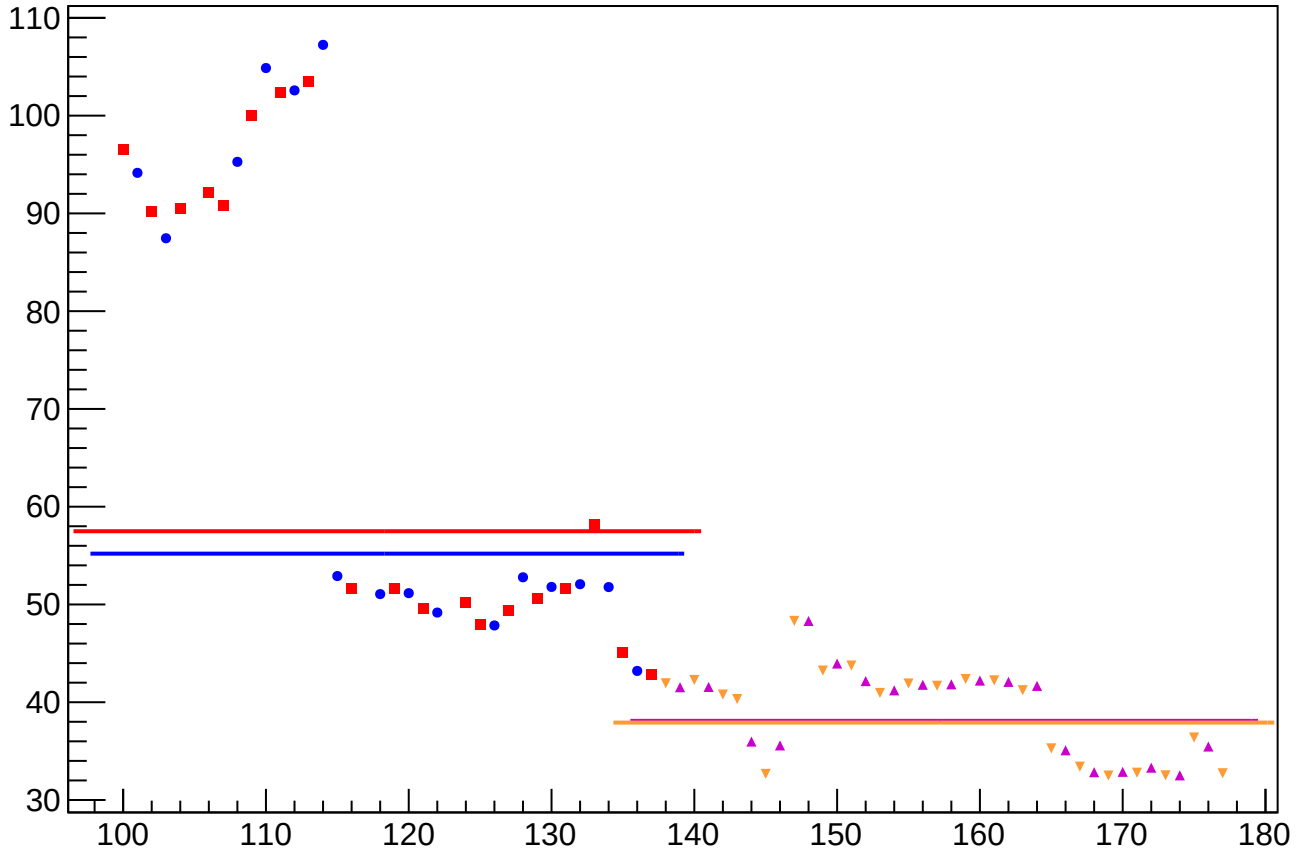
Left: 27.294+/-6.755 χ^2/NDF: 63.1/39

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -6.650+/-8.875 χ^2/NDF:55.4/34

Out: 33.197+/-8.623 χ^2/NDF:58.8/39

All: 13.848+/-6.185 χ^2/NDF: 124.5/74



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 37.919+/-0.007 χ^2/NDF:507175.5/20

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 38.096+/-0.007 χ^2/NDF:421320.0/18

Left: 38.004+/-0.005 χ^2/NDF: 928837.7/39

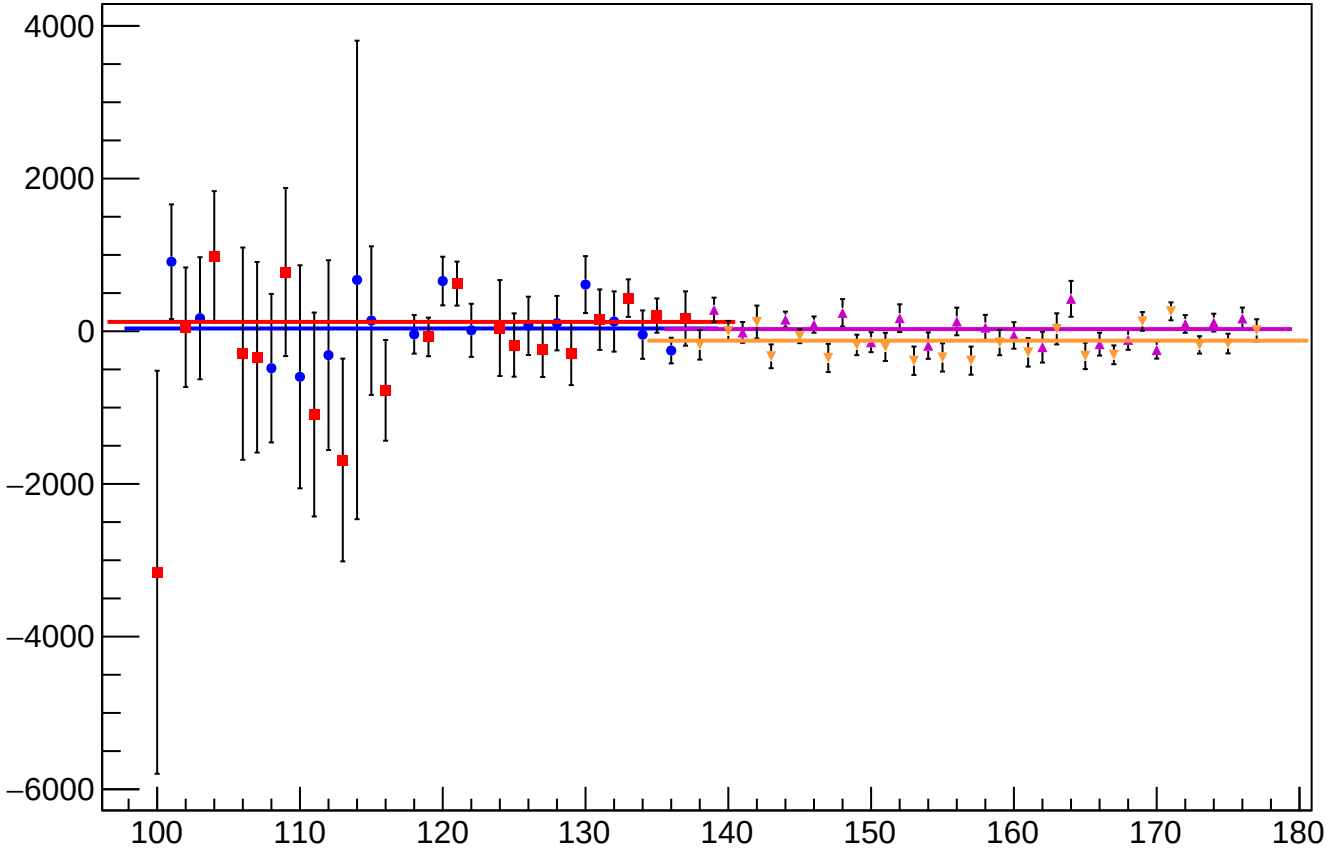
Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 41.028+/-0.006 χ^2/NDF:2628792.9/34

Out: 40.907+/-0.006 χ^2/NDF:3114339.2/39

All: 40.966+/-0.004 χ^2/NDF: 5743323.7/74

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: -123.223+/-31.930 χ^2/NDF:32.7/20

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 28.390+/-32.473 χ^2/NDF:25.0/18

Left: -48.694+/-22.768 χ^2/NDF: 68.8/39

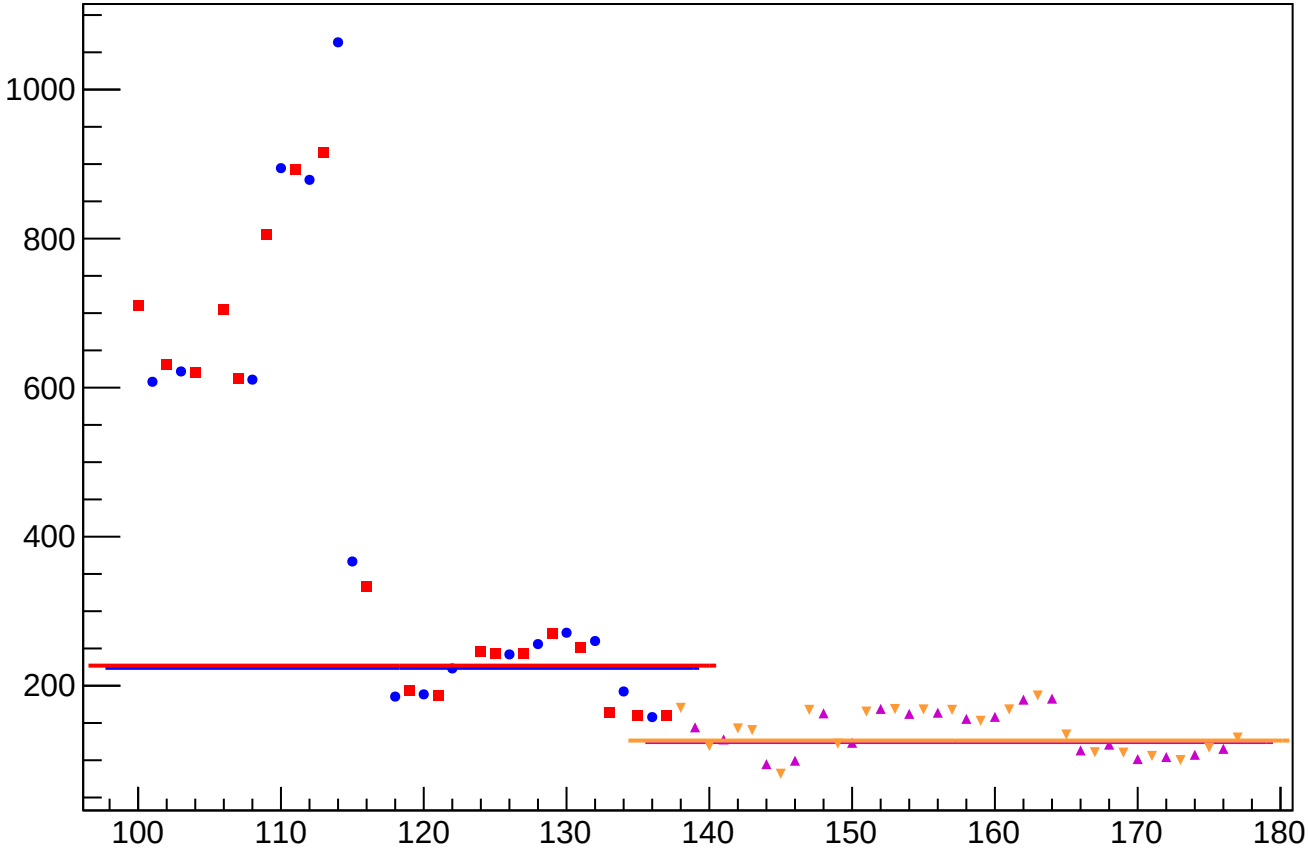
Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 29.243+/-30.678 χ^2/NDF:36.4/34

Out: -98.706+/-30.294 χ^2/NDF:54.2/39

All: -35.536+/-21.556 χ^2/NDF: 99.4/74

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 126.430+/-0.023 χ^2/NDF:1682636.8/20

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 124.412+/-0.023 χ^2/NDF:1338706.5/18

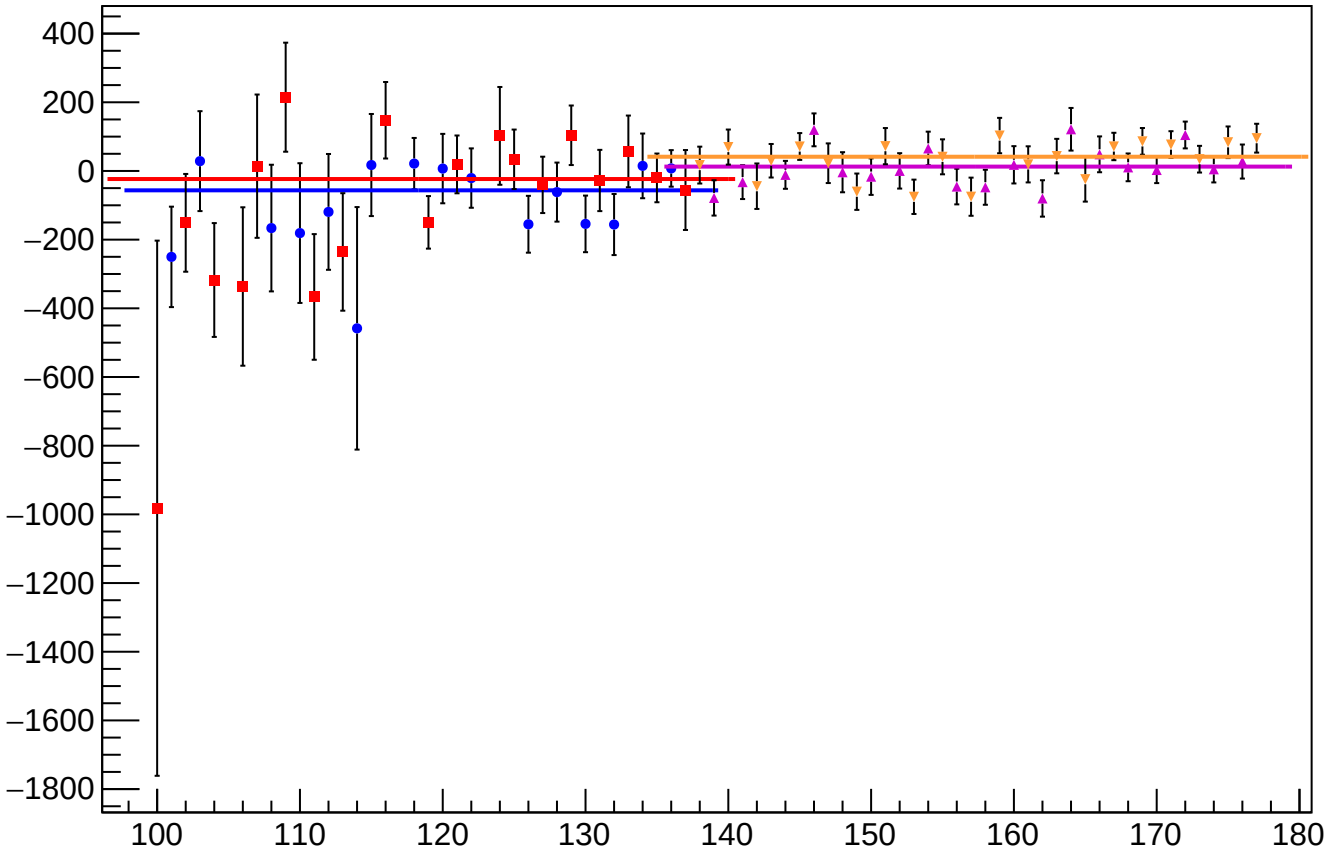
Left: 125.438+/-0.016 χ^2/NDF: 3025269.4/39

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 135.123+/-0.022 χ^2/NDF:6330737.2/34

Out: 136.470+/-0.021 χ^2/NDF:7234781.2/39

All: 135.805+/-0.015 χ^2/NDF: 13567470.5/74



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 41.432+/-10.436 χ^2/NDF:24.7/20

Right Out: -23.495+/-25.161 χ^2/NDF: 24.1/18

Left In: 12.686+/-10.912 χ^2/NDF:26.0/18

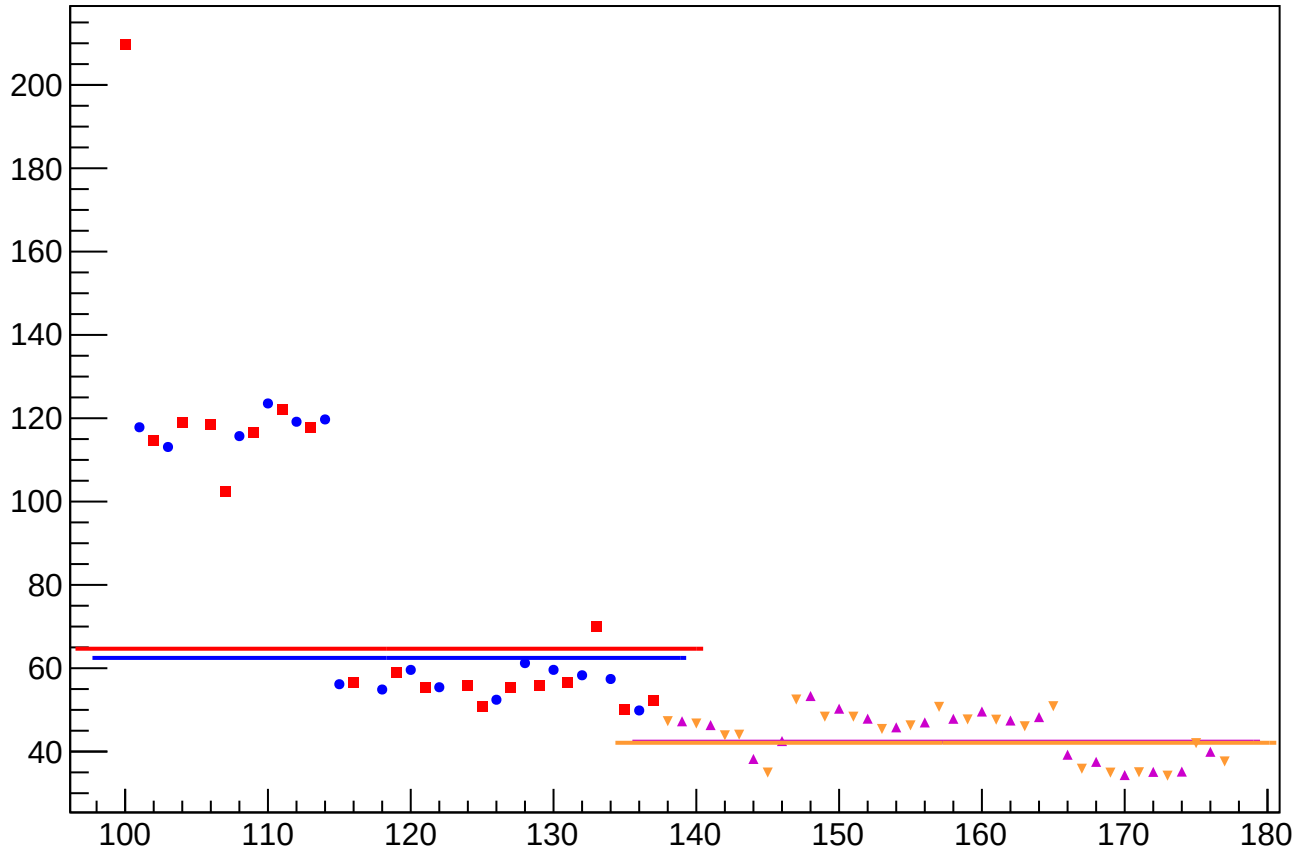
Left: 27.700+/-7.542 χ^2/NDF: 54.3/39

Right: -40.400+/-17.549 χ^2/NDF: 37.2/34

In: 1.238+/-9.968 χ^2/NDF:44.9/34

Out: 31.901+/-9.640 χ^2/NDF:54.4/39

All: 17.082+/-6.929 χ^2/NDF: 104.2/74



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 42.107+/-0.007 χ^2/NDF:680413.2/20

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

Left In: 42.369+/-0.008 χ^2/NDF:578936.4/18

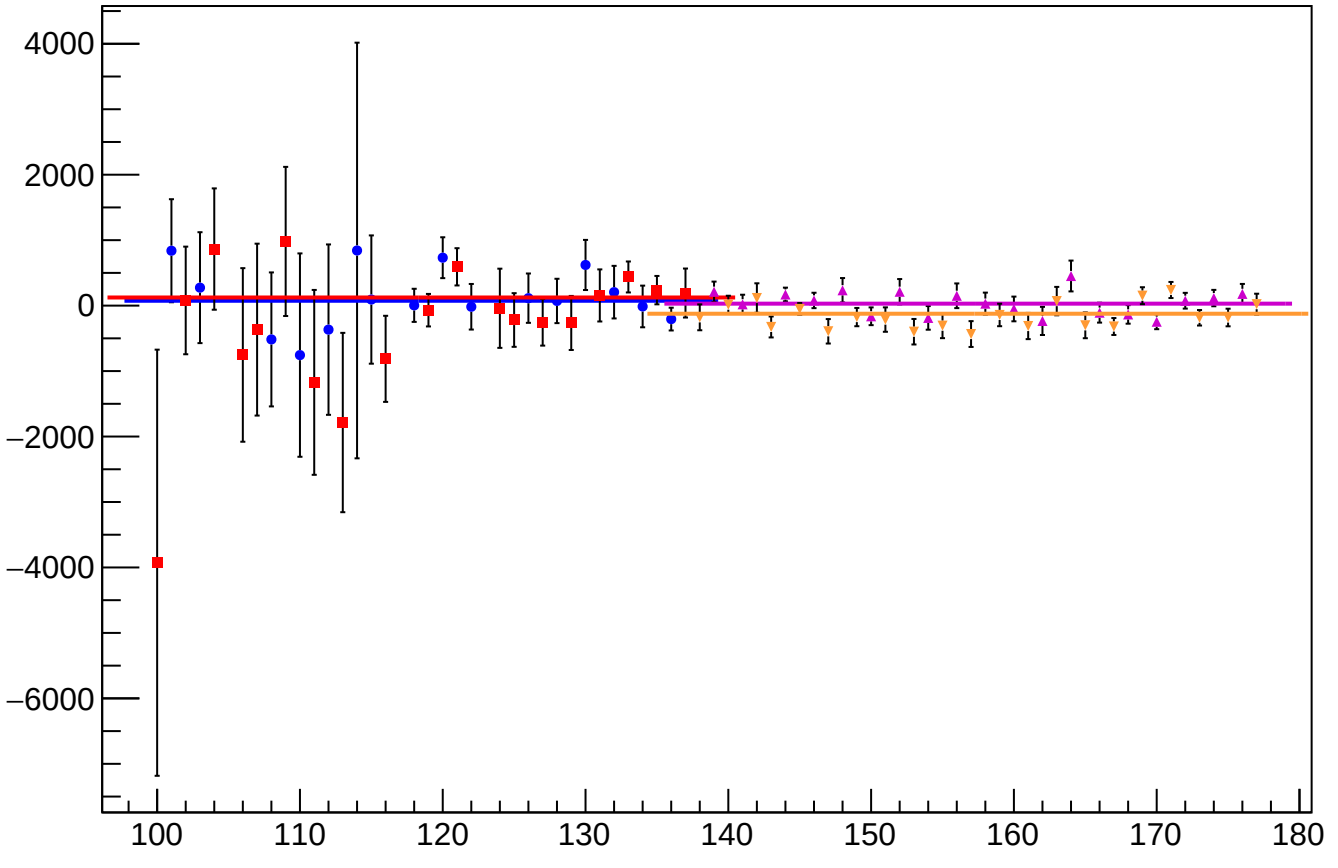
Left: 42.232+/-0.005 χ^2/NDF: 1259951.7/39

Right: 63.547+/-0.012 χ^2/NDF: 2946567.9/34

In: 45.700+/-0.007 χ^2/NDF:3051854.8/34

Out: 45.421+/-0.007 χ^2/NDF:3644337.3/39

All: 45.556+/-0.005 χ^2/NDF: 6697002.0/74



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -123.931+/-33.198 χ^2/NDF:31.6/20

Right Out: 124.201+/-94.665 χ^2/NDF: 16.3/18

Left In: 29.924+/-33.901 χ^2/NDF:23.8/18

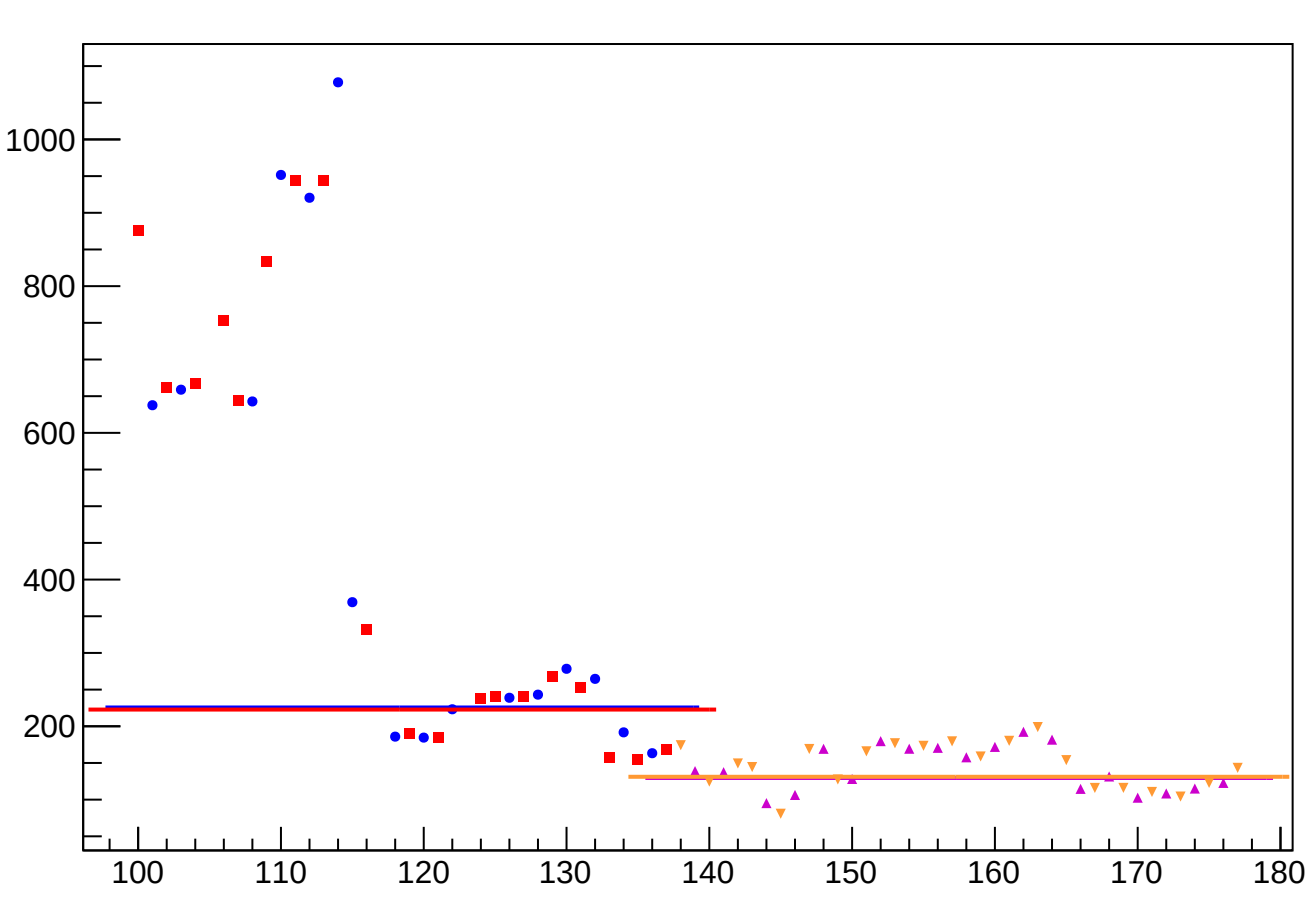
Left: -48.616+/-23.719 χ^2/NDF: 65.9/39

Right: 99.202+/-66.877 χ^2/NDF: 27.7/34

In: 34.983+/-31.909 χ^2/NDF:35.2/34

Out: -96.757+/-31.327 χ^2/NDF:54.1/39

All: -32.100+/-22.355 χ^2/NDF: 98.0/74



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 131.158+/-0.023 χ^2/NDF:1861722.0/20

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

Left In: 129.517+/-0.024 χ^2/NDF:1372446.2/18

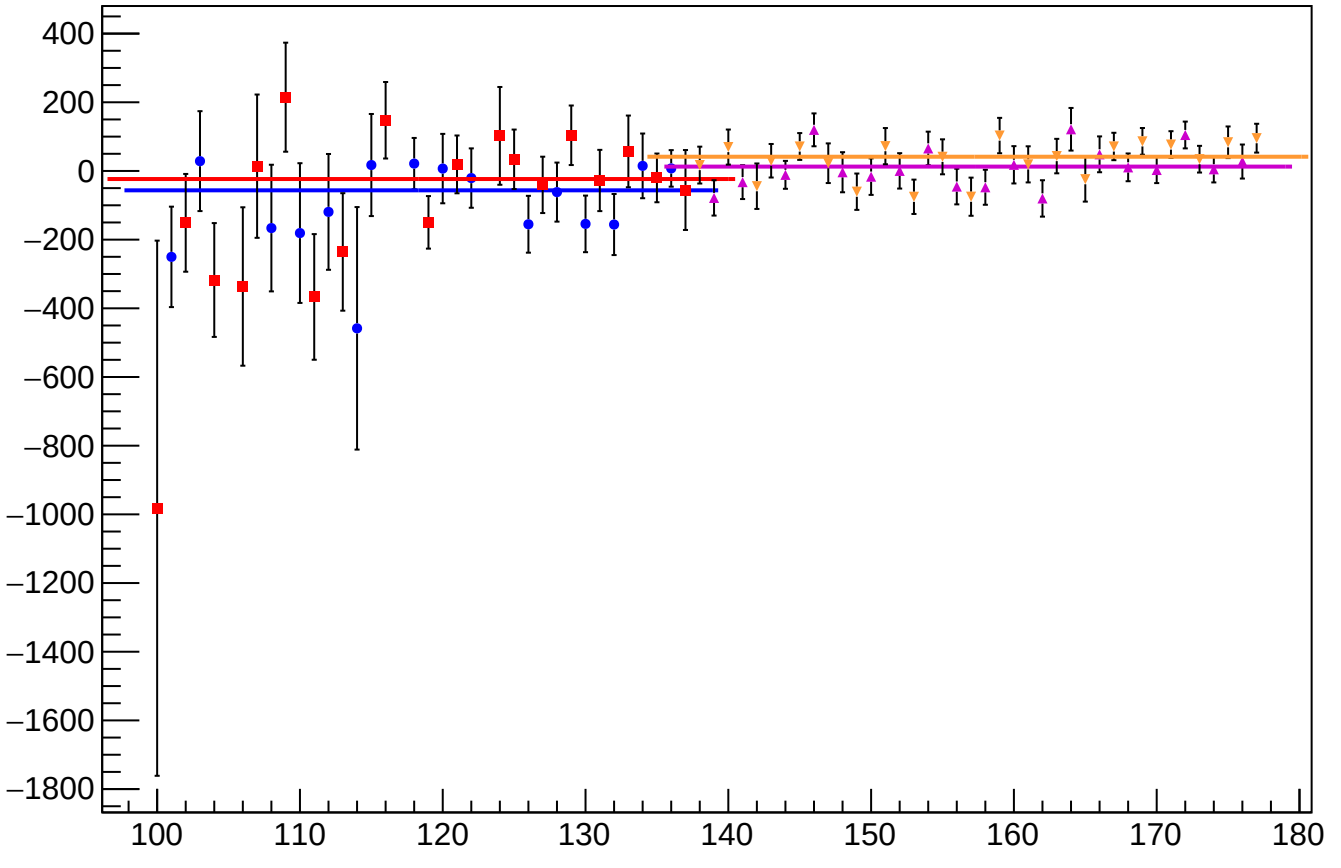
Left: 130.355+/-0.017 χ^2/NDF: 3236558.7/39

Right: 224.203+/-0.047 χ^2/NDF: 6875057.9/34

In: 140.476+/-0.023 χ^2/NDF:6231069.4/34

Out: 141.192+/-0.022 χ^2/NDF:7378409.3/39

All: 140.841+/-0.016 χ^2/NDF: 13609991.8/74



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 41.434+/-10.436 χ^2/NDF:24.7/20

Right Out: -23.498+/-25.160 χ^2/NDF: 24.1/18

Left In: 12.687+/-10.912 χ^2/NDF:26.0/18

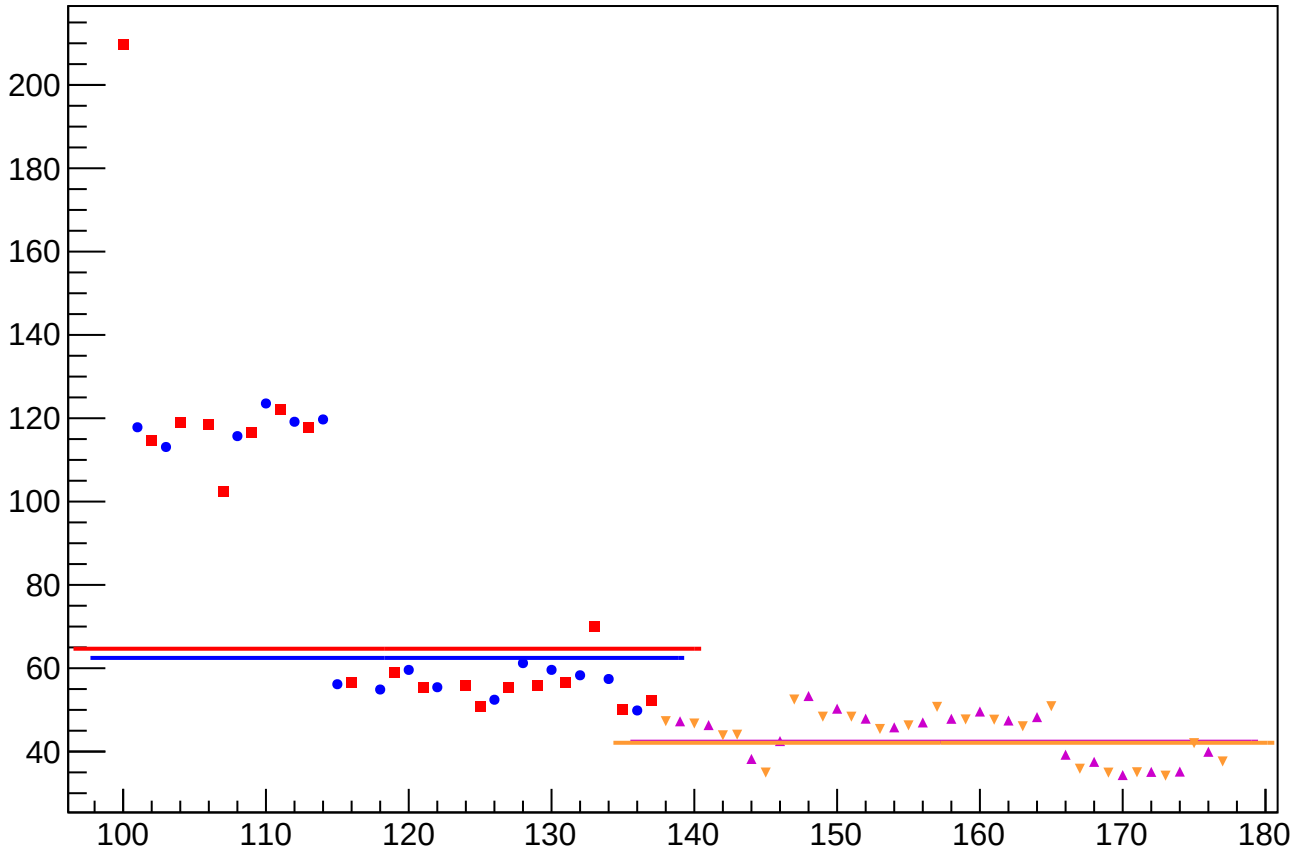
Left: 27.701+/-7.542 χ^2/NDF: 54.3/39

Right: -40.402+/-17.549 χ^2/NDF: 37.2/34

In: 1.238+/-9.968 χ^2/NDF:44.9/34

Out: 31.902+/-9.640 χ^2/NDF:54.4/39

All: 17.082+/-6.929 χ^2/NDF: 104.2/74



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 42.107+/-0.007 χ^2/NDF:680432.0/20

Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 42.369+/-0.008 χ^2/NDF:578940.3/18

Left: 42.233+/-0.005 χ^2/NDF: 1259974.6/39

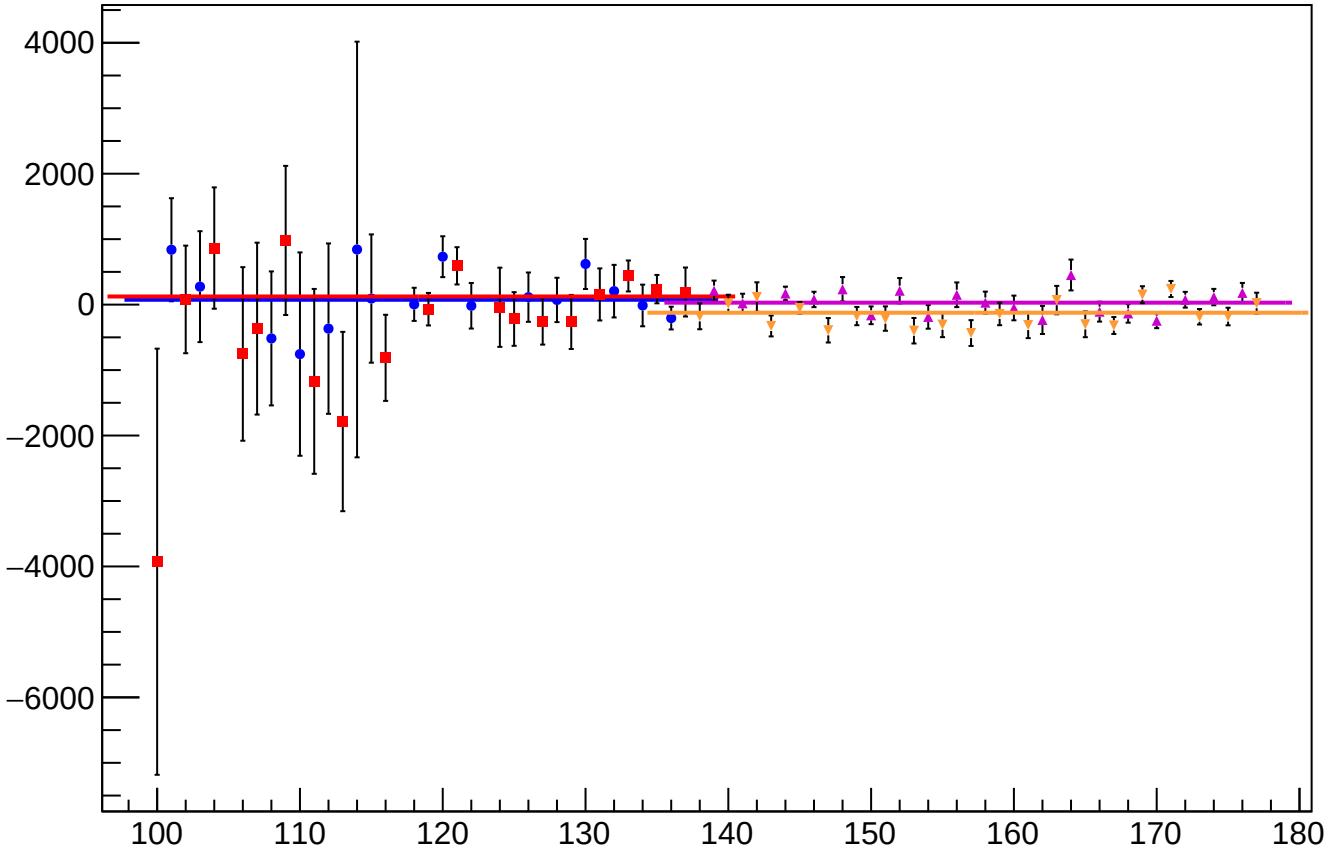
Right: 63.547+/-0.012 χ^2/NDF: 2946529.3/34

In: 45.700+/-0.007 χ^2/NDF:3051789.8/34

Out: 45.421+/-0.007 χ^2/NDF:3644311.9/39

All: 45.556+/-0.005 χ^2/NDF: 6696911.9/74

asym_sam_37_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 74.295+/-94.492 χ^2/NDF: 11.2/15

Left Out: -123.930+/-33.198 χ^2/NDF:31.6/20

Right Out: 124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: 29.924+/-33.901 χ^2/NDF:23.8/18

Left: -48.615+/-23.719 χ^2/NDF: 65.9/39

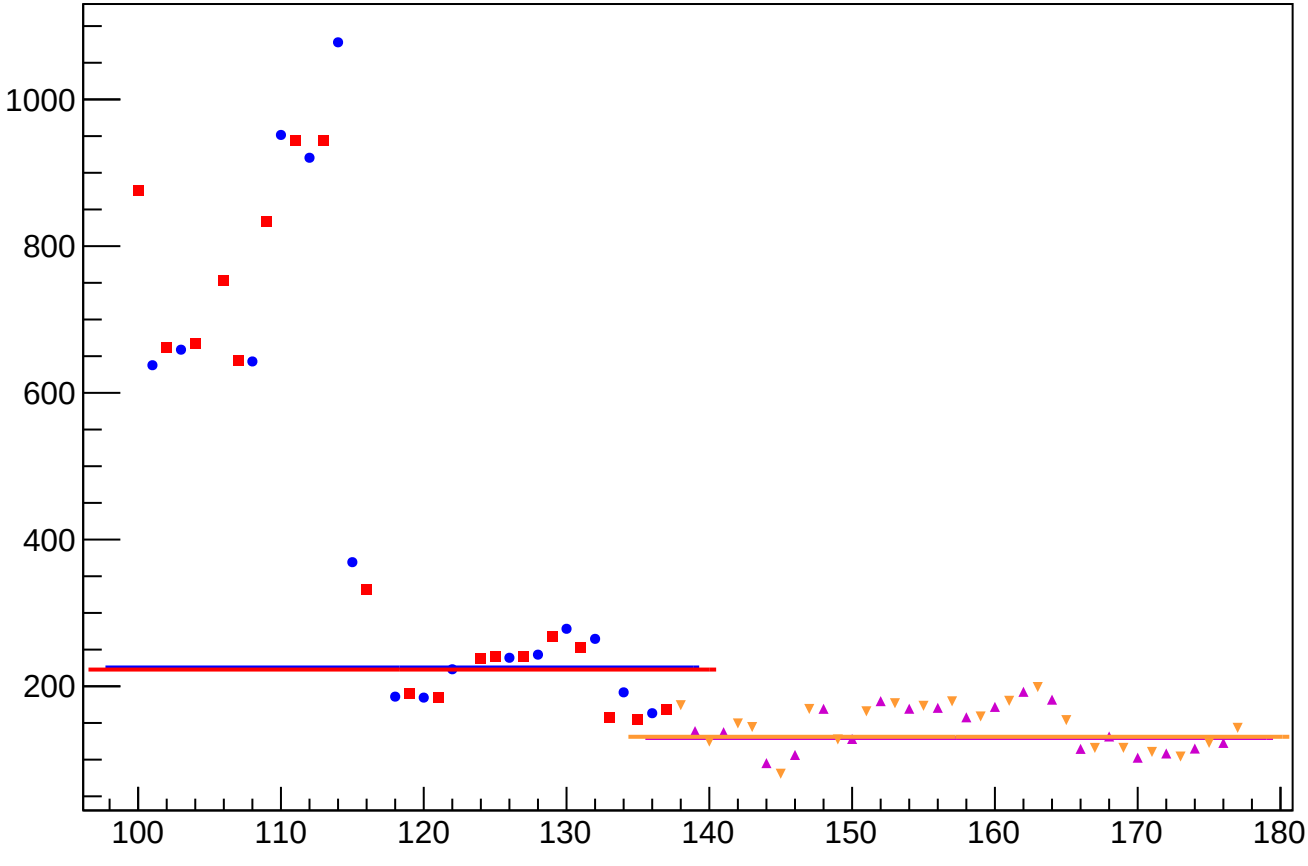
Right: 99.201+/-66.877 χ^2/NDF: 27.7/34

In: 34.984+/-31.909 χ^2/NDF:35.2/34

Out: -96.757+/-31.327 χ^2/NDF:54.1/39

All: -32.099+/-22.355 χ^2/NDF: 98.0/74

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: 131.158+/-0.023 χ^2/NDF:1861709.8/20

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

Left In: 129.518+/-0.024 χ^2/NDF:1372442.3/18

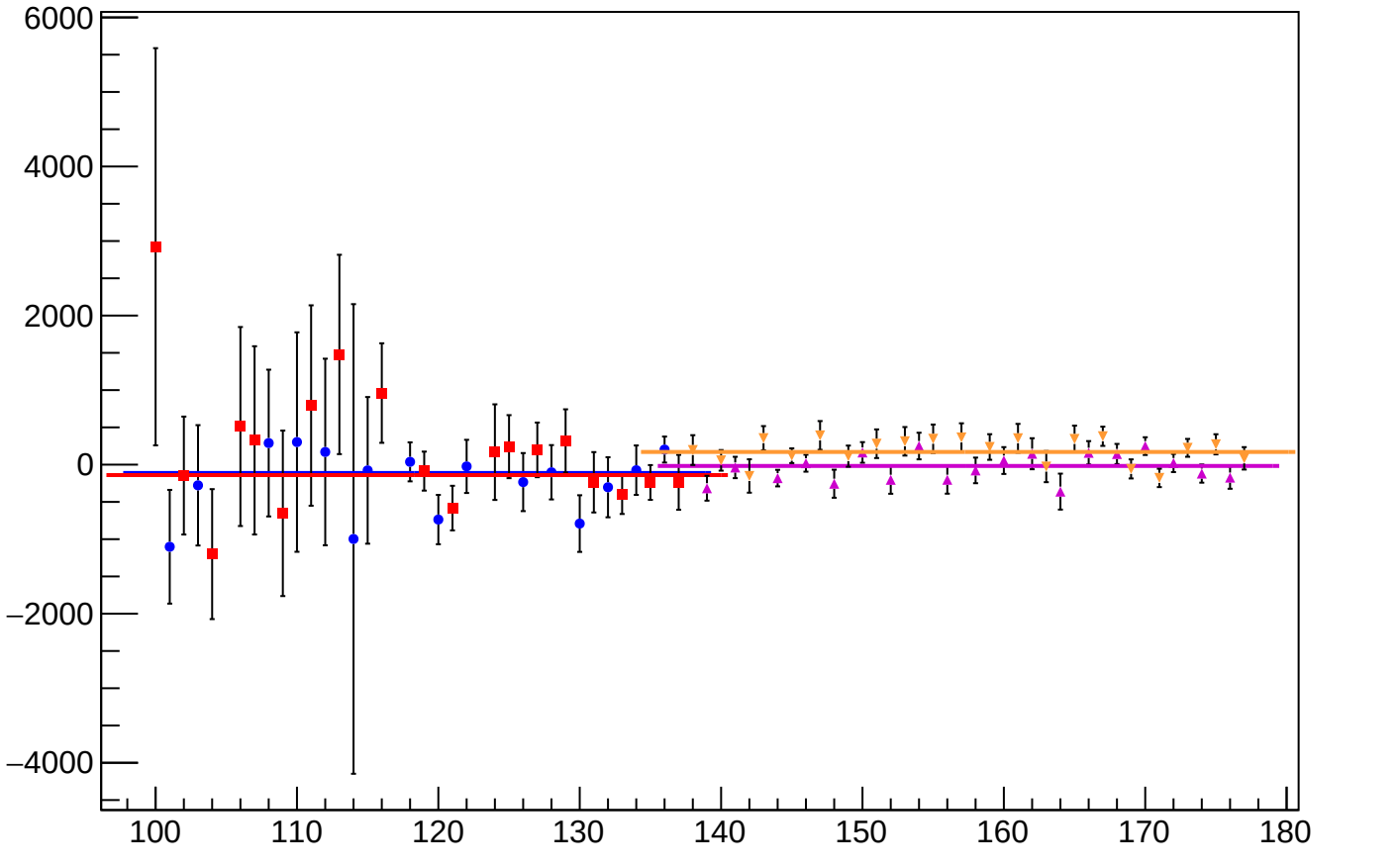
Left: 130.355+/-0.017 χ^2/NDF: 3236542.7/39

Right: 224.203+/-0.047 χ^2/NDF: 6875025.2/34

In: 140.476+/-0.023 χ^2/NDF:6231046.6/34

Out: 141.192+/-0.022 χ^2/NDF:7378383.4/39

All: 140.841+/-0.016 χ^2/NDF: 13609943.1/74



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 170.290+/-33.436 χ^2/NDF:26.4/20

Right Out: -139.974+/-99.174 χ^2/NDF: 14.6/18

Left In: -17.513+/-34.053 χ^2/NDF:25.5/18

Left: 78.103+/-23.858 χ^2/NDF: 67.4/39

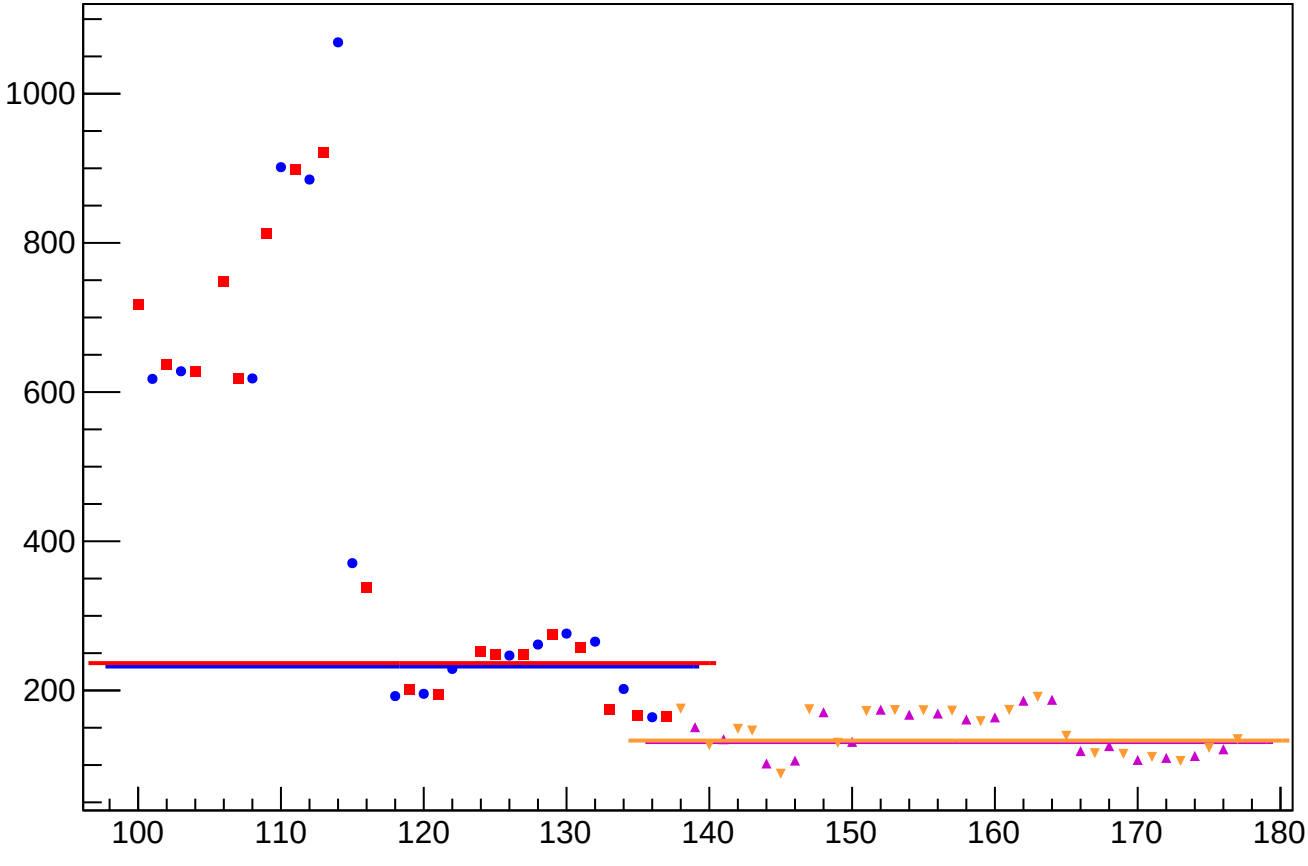
Right: -125.569+/-69.180 χ^2/NDF: 27.5/34

In: -27.957+/-32.114 χ^2/NDF:39.2/34

Out: 138.622+/-31.684 χ^2/NDF:49.8/39

All: 56.455+/-22.554 χ^2/NDF: 102.7/74

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 132.804+/-0.024 χ^2/NDF:1525548.4/20

Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 130.822+/-0.024 χ^2/NDF:1219169.4/18

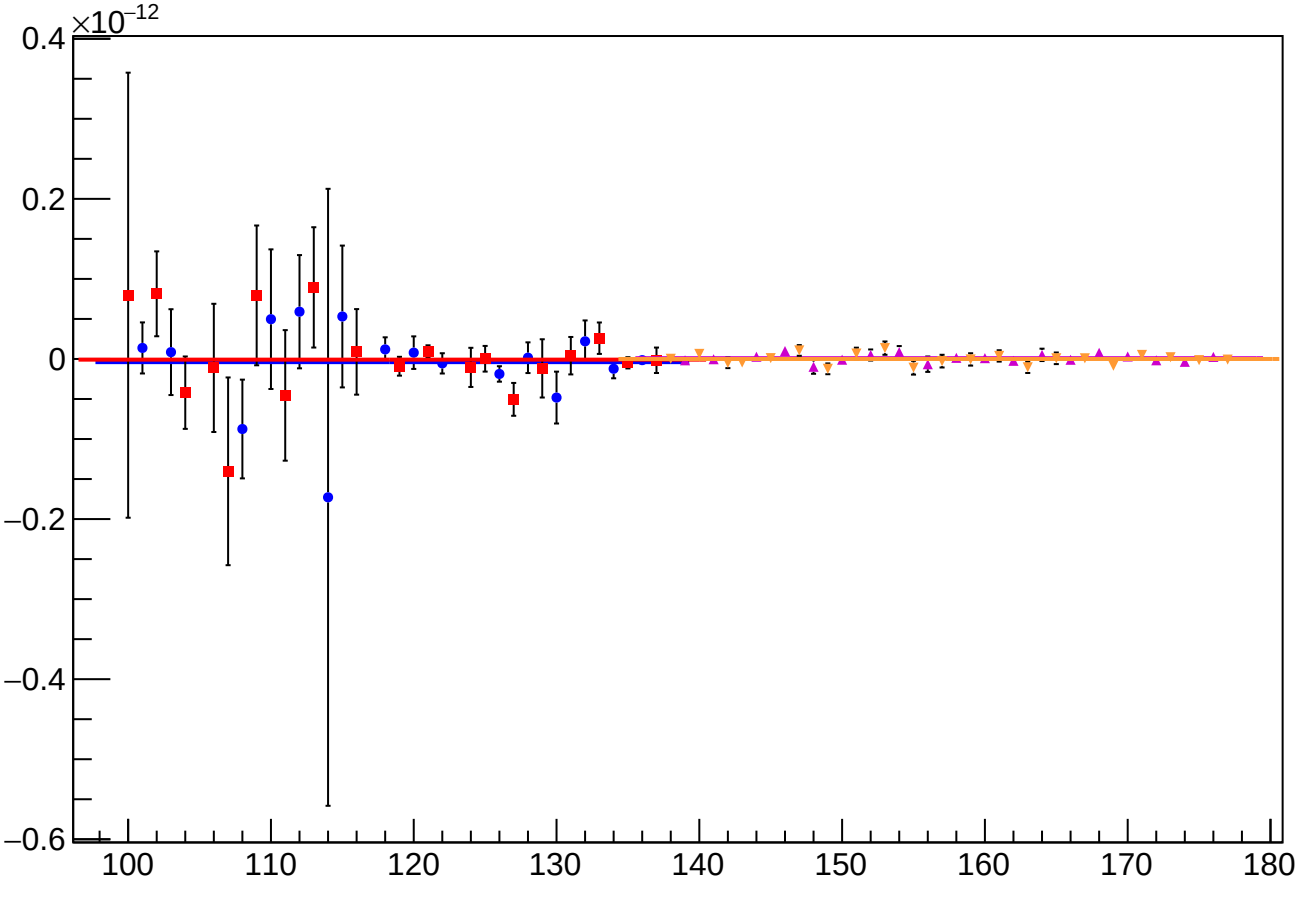
Left: 131.831+/-0.017 χ^2/NDF: 2748167.7/39

Right: 234.316+/-0.049 χ^2/NDF: 6408696.2/34

In: 142.027+/-0.023 χ^2/NDF:6062140.2/34

Out: 143.403+/-0.022 χ^2/NDF:7015528.5/39

All: 142.724+/-0.016 χ^2/NDF: 13079529.0/74



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.0/20

Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:11.1/18

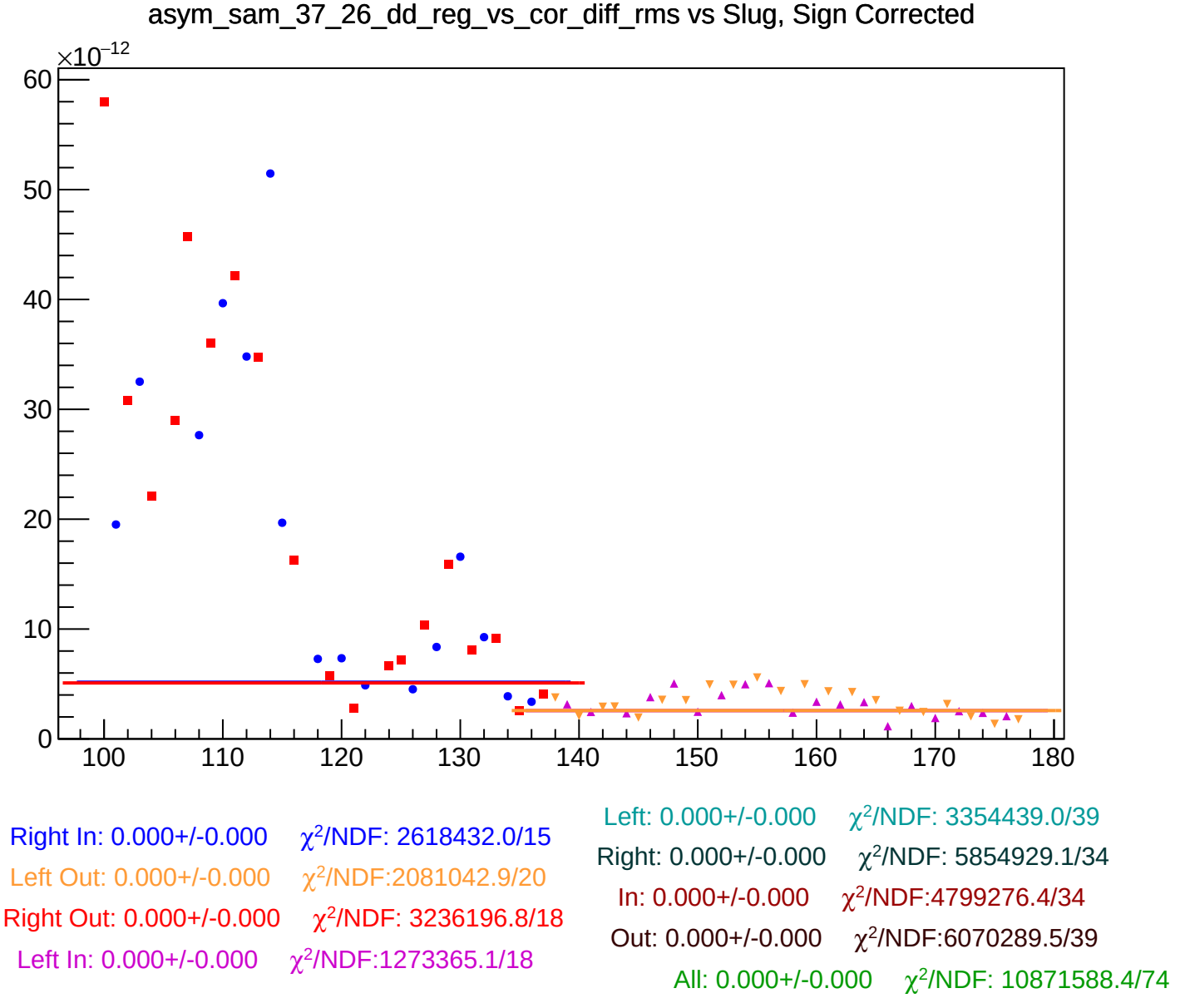
Left: 0.000+/-0.000 χ^2/NDF: 34.5/39

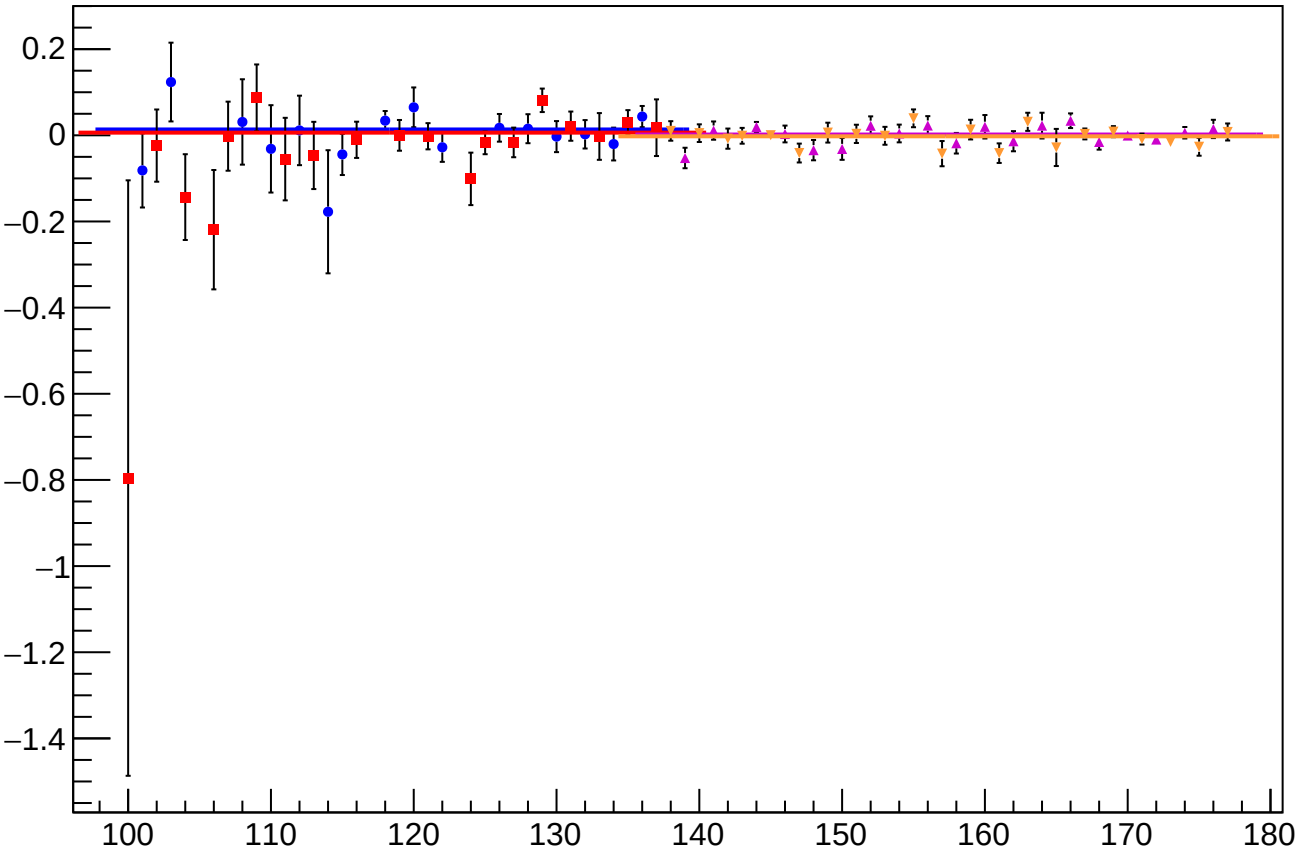
Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: 0.000+/-0.000 χ^2/NDF:24.2/34

Out: -0.000+/-0.000 χ^2/NDF:41.1/39

All: 0.000+/-0.000 χ^2/NDF: 65.5/74


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:2081042.9/20
Right Out: 0.000+/-0.000 χ²/NDF: 3236196.8/18
Left In: 0.000+/-0.000 χ²/NDF:1273365.1/18
Left: 0.000+/-0.000 χ²/NDF: 3354439.0/39
Right: 0.000+/-0.000 χ²/NDF: 5854929.1/34
In: 0.000+/-0.000 χ²/NDF:4799276.4/34
Out: 0.000+/-0.000 χ²/NDF:6070289.5/39
All: 0.000+/-0.000 χ²/NDF: 10871588.4/74



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.002+/-0.004 χ^2/NDF:20.3/20

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.002+/-0.004 χ^2/NDF:21.8/18

Left: -0.000+/-0.003 χ^2/NDF: 42.6/39

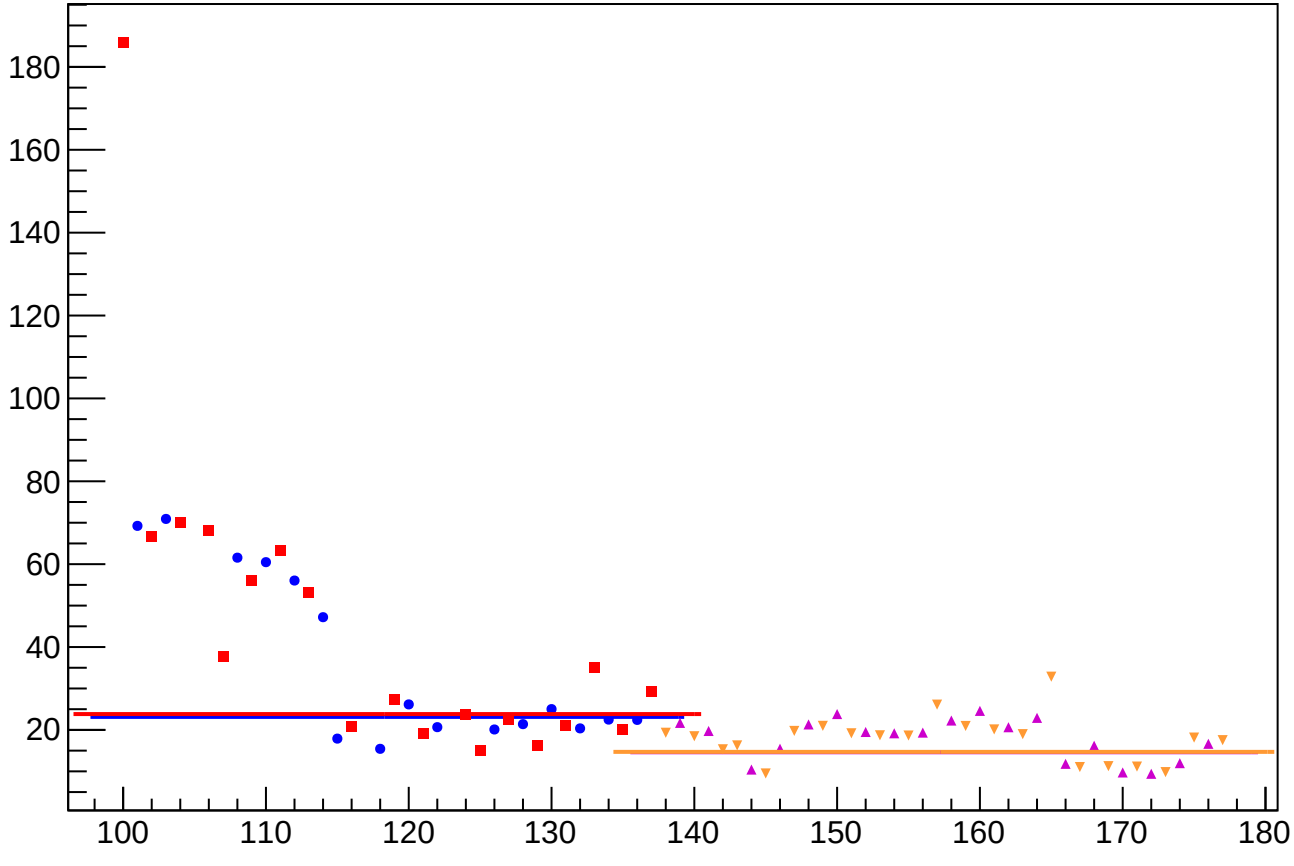
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.004+/-0.004 χ^2/NDF:35.3/34

Out: -0.001+/-0.004 χ^2/NDF:42.4/39

All: 0.001+/-0.003 χ^2/NDF: 78.5/74

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: 14.703+/-0.003 χ^2/NDF:3024663.2/20

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 14.606+/-0.003 χ^2/NDF:3069974.2/18

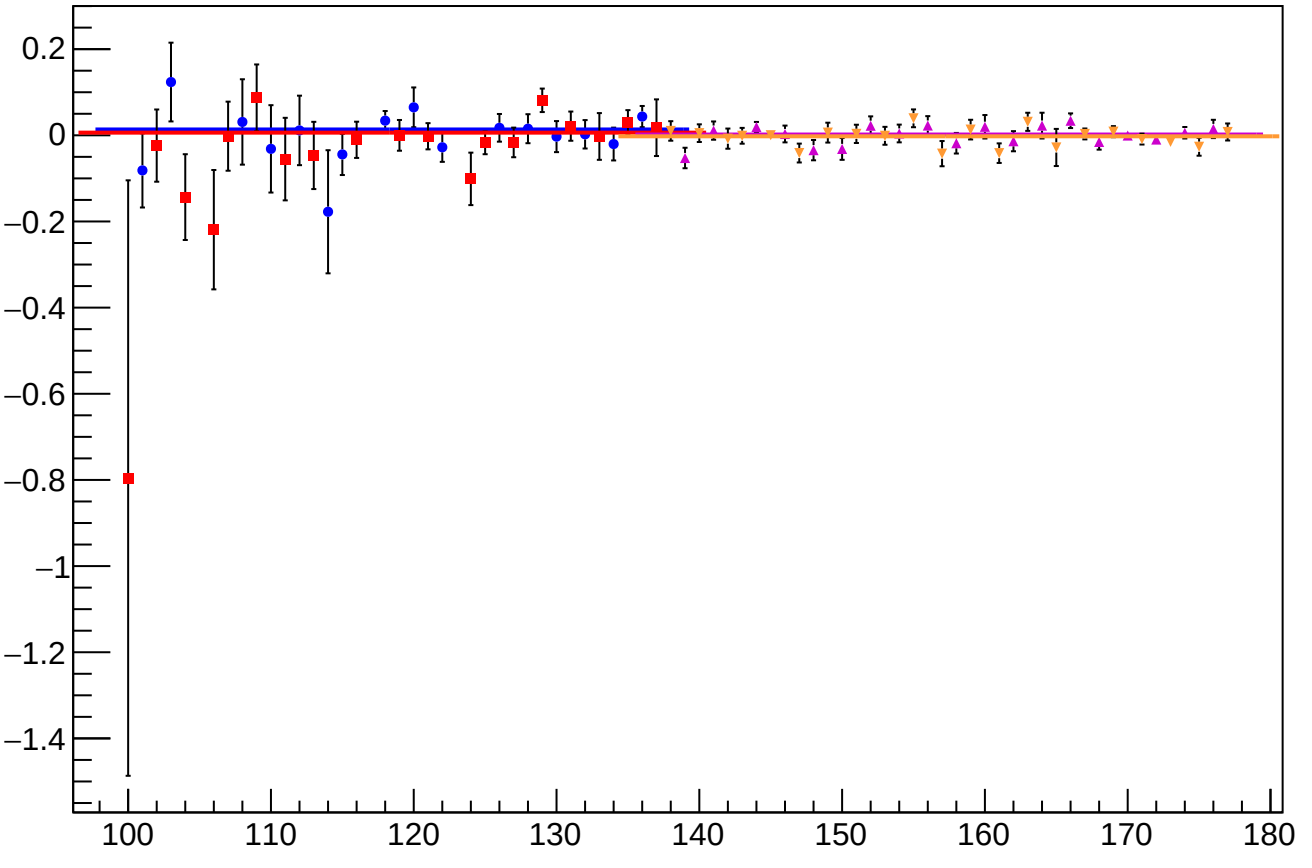
Left: 14.656+/-0.002 χ^2/NDF: 6095237.4/39

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 15.835+/-0.003 χ^2/NDF:6764127.4/34

Out: 15.876+/-0.003 χ^2/NDF:7354484.5/39

All: 15.856+/-0.002 χ^2/NDF: 14118735.1/74



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.002+/-0.004 χ^2/NDF:20.3/20

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.002+/-0.004 χ^2/NDF:21.8/18

Left: -0.000+/-0.003 χ^2/NDF: 42.6/39

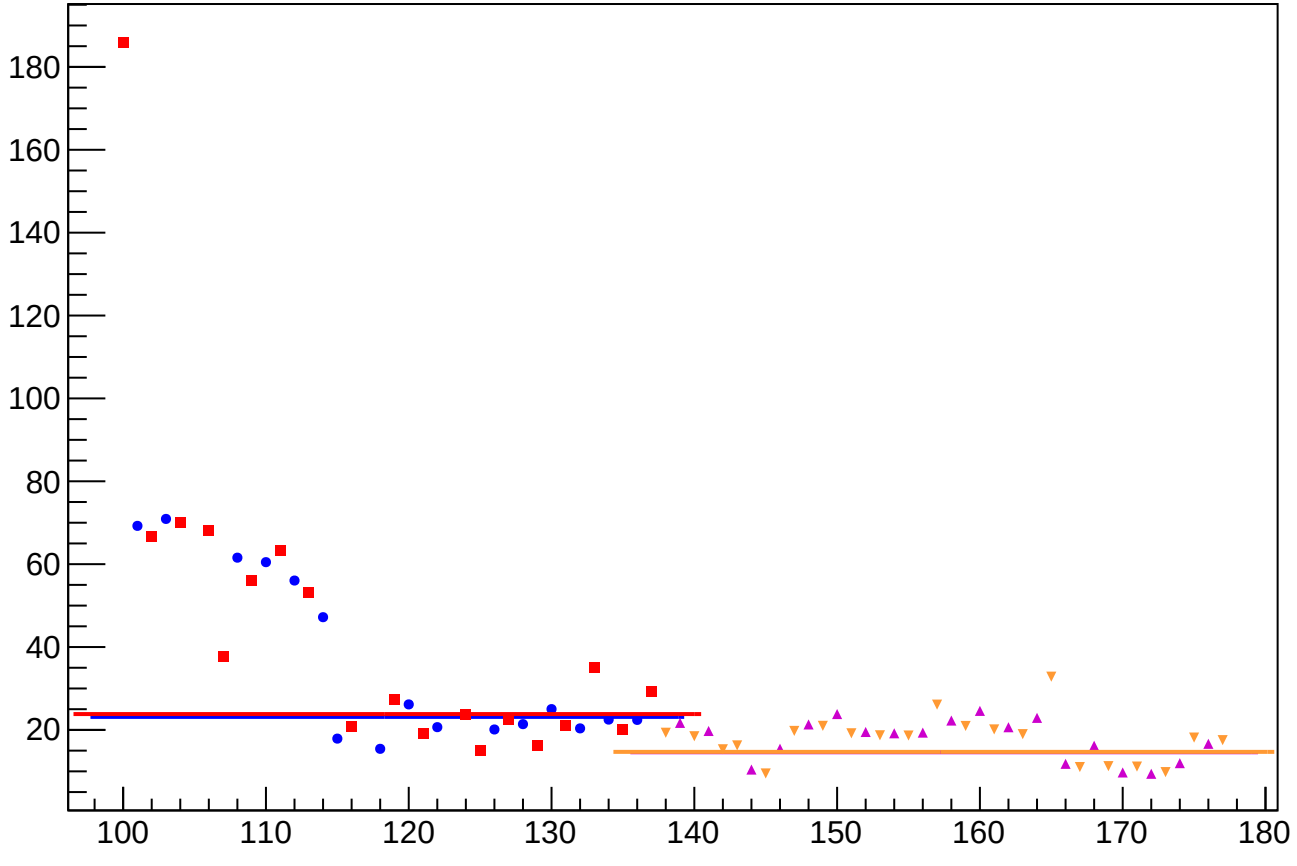
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.004+/-0.004 χ^2/NDF:35.3/34

Out: -0.001+/-0.004 χ^2/NDF:42.4/39

All: 0.001+/-0.003 χ^2/NDF: 78.5/74

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: 14.703+/-0.003 χ^2/NDF:3024663.2/20

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 14.606+/-0.003 χ^2/NDF:3069974.2/18

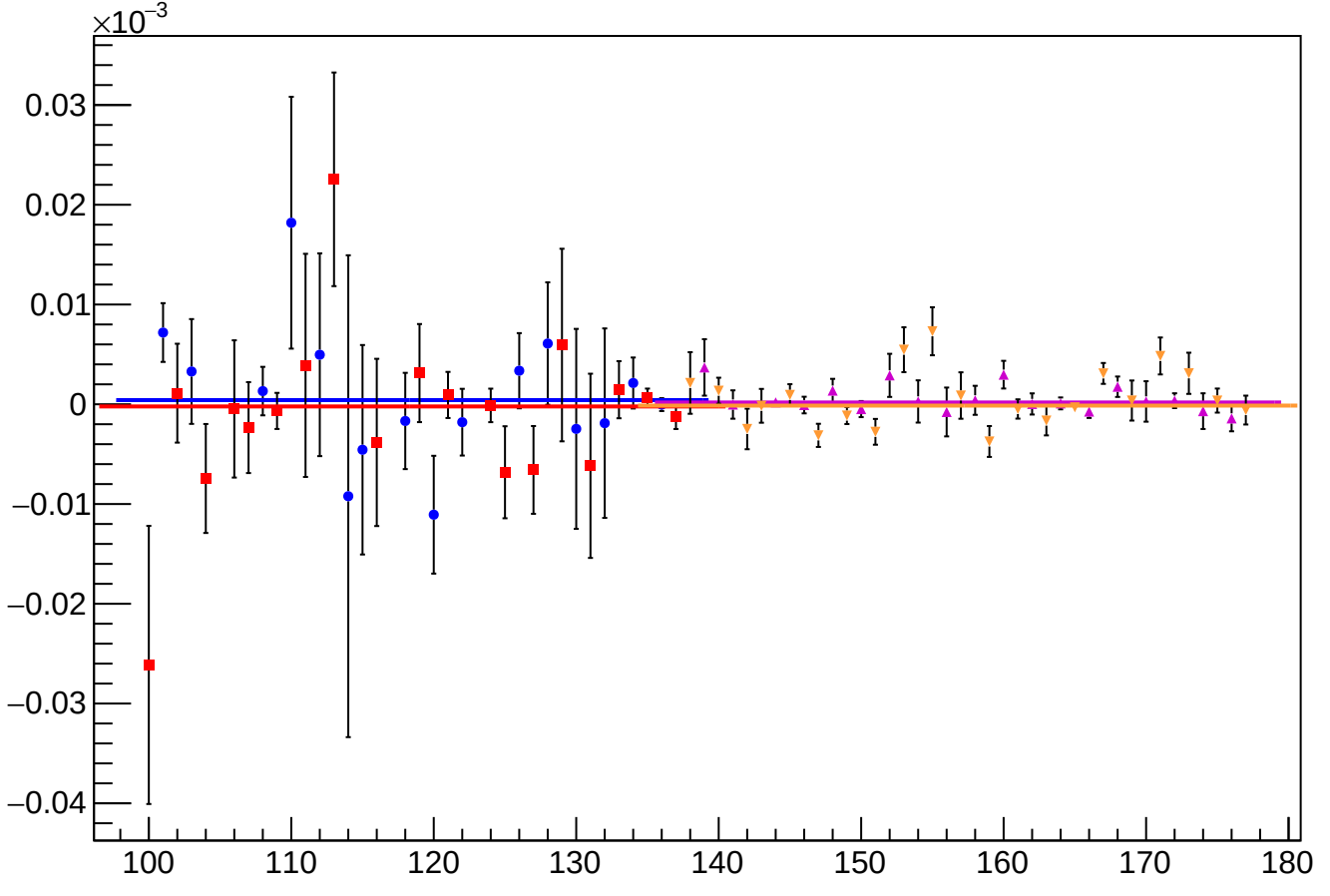
Left: 14.656+/-0.002 χ^2/NDF: 6095237.4/39

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 15.835+/-0.003 χ^2/NDF:6764127.4/34

Out: 15.876+/-0.003 χ^2/NDF:7354484.5/39

All: 15.856+/-0.002 χ^2/NDF: 14118735.1/74



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:58.6/20

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:15.4/18

Left: 0.000+/-0.000 χ^2/NDF: 75.2/39

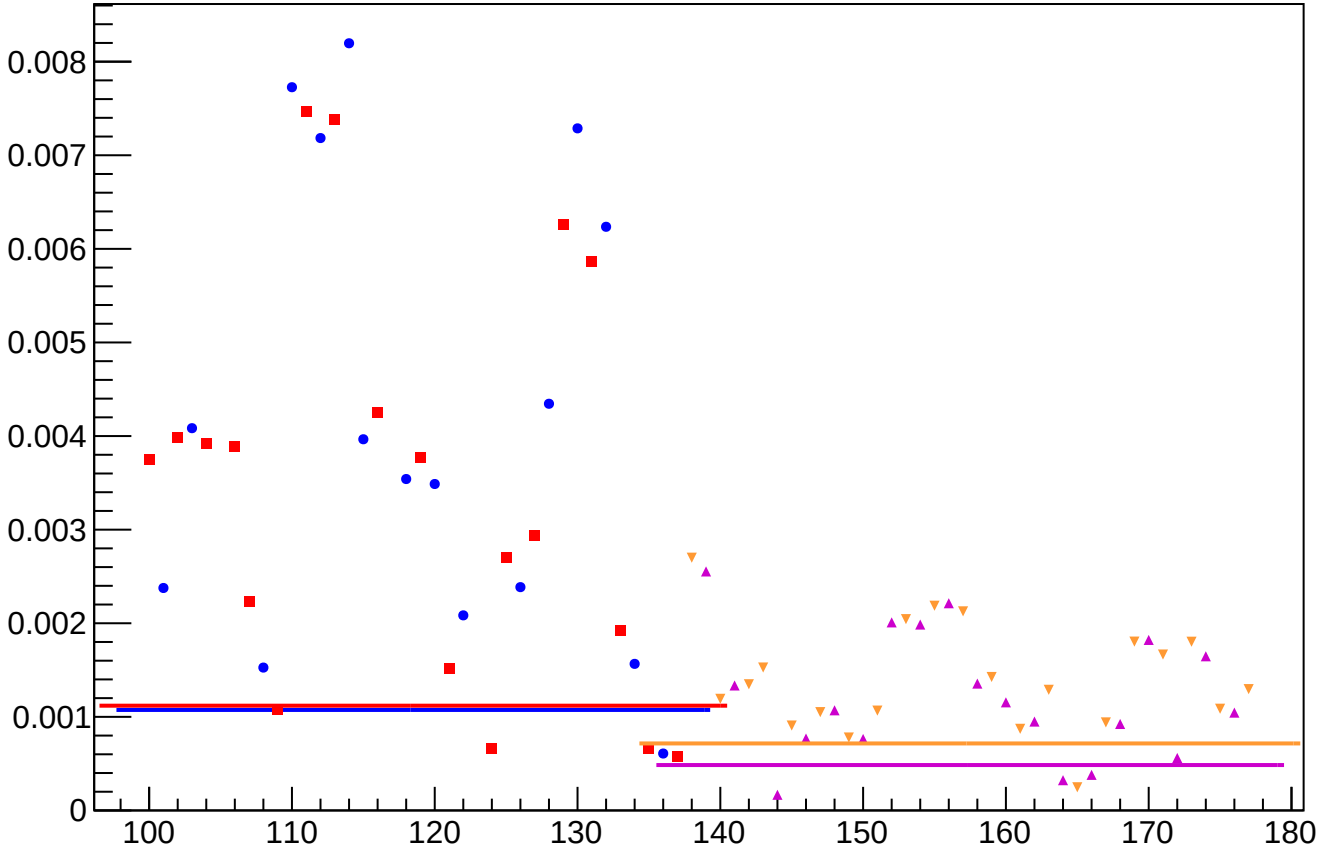
Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: 0.000+/-0.000 χ^2/NDF:30.9/34

Out: -0.000+/-0.000 χ^2/NDF:76.5/39

All: 0.000+/-0.000 χ^2/NDF: 109.0/74

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:11730440.1/20

Right Out: 0.001+/-0.000 χ^2/NDF: 6796343.2/18

Left In: 0.000+/-0.000 χ^2/NDF:13119457.7/18

Left: 0.001+/-0.000 χ^2/NDF: 26161272.3/39

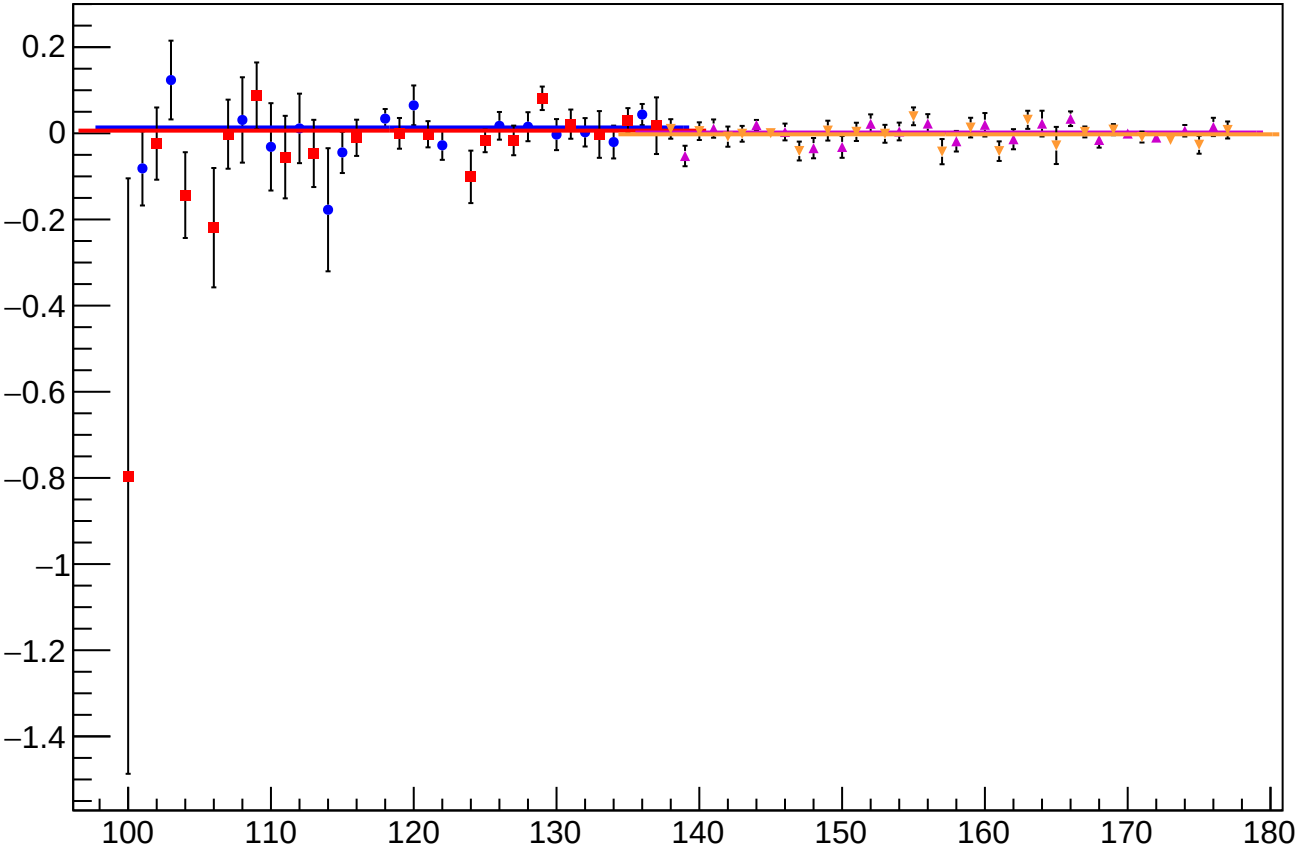
Right: 0.001+/-0.000 χ^2/NDF: 13848160.8/34

In: 0.001+/-0.000 χ^2/NDF:22163227.2/34

Out: 0.001+/-0.000 χ^2/NDF:19400219.6/39

All: 0.001+/-0.000 χ^2/NDF: 43045101.9/74

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.002+/-0.004 χ^2/NDF:20.3/20

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.002+/-0.004 χ^2/NDF:21.8/18

Left: -0.000+/-0.003 χ^2/NDF: 42.6/39

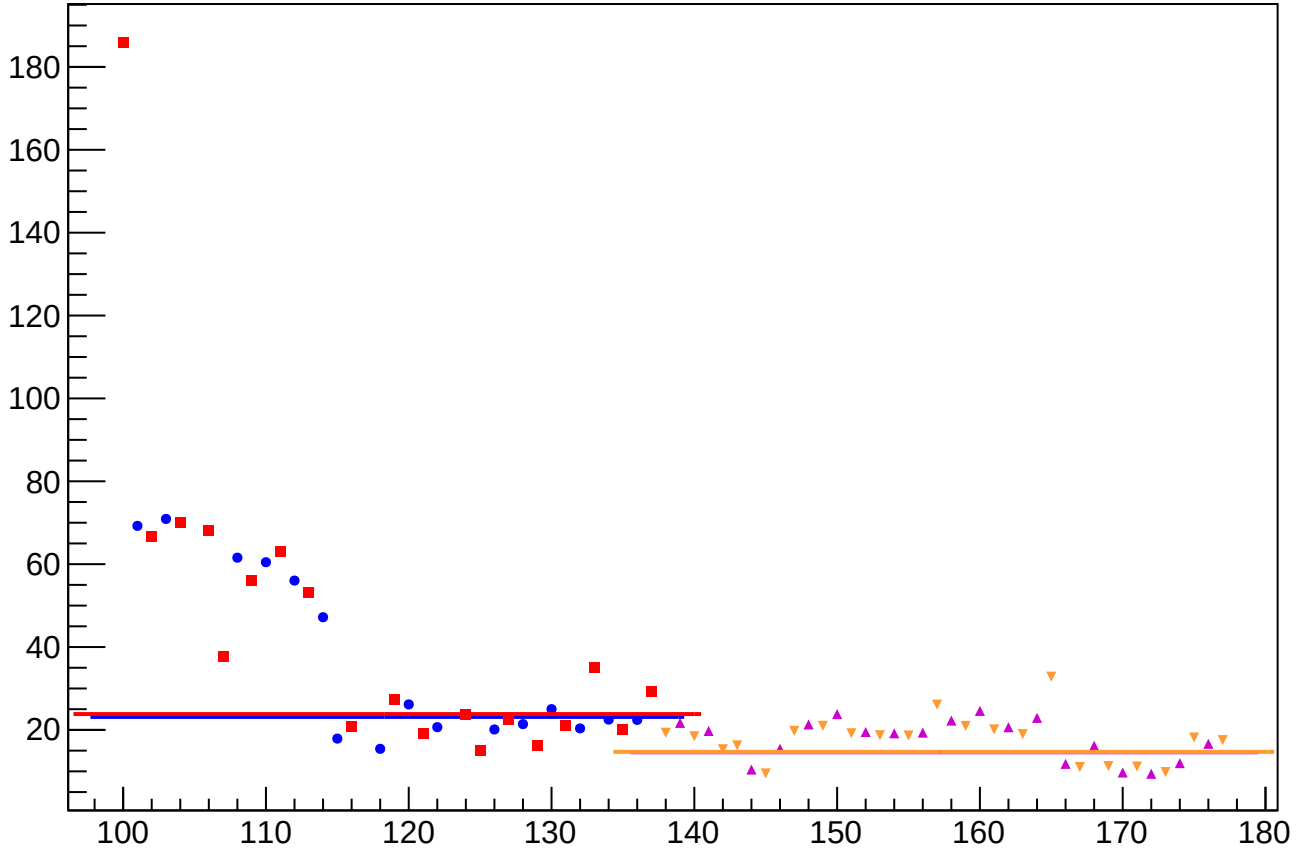
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.004+/-0.004 χ^2/NDF:35.3/34

Out: -0.001+/-0.004 χ^2/NDF:42.4/39

All: 0.001+/-0.003 χ^2/NDF: 78.5/74

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: 14.703+/-0.003 χ^2/NDF:3024781.2/20

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 14.606+/-0.003 χ^2/NDF:3070000.0/18

Left: 14.656+/-0.002 χ^2/NDF: 6095380.6/39

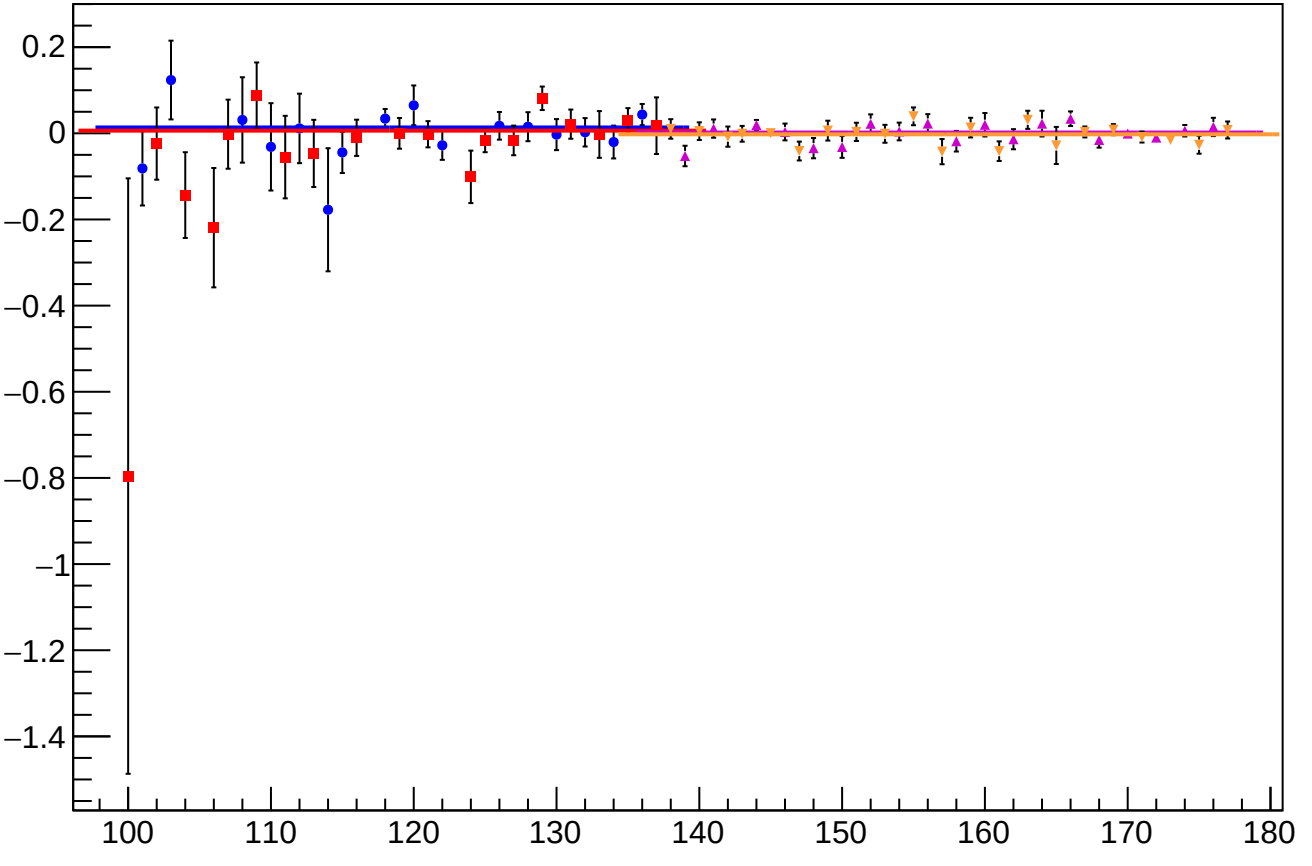
Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 15.835+/-0.003 χ^2/NDF:6763872.8/34

Out: 15.876+/-0.003 χ^2/NDF:7354413.3/39

All: 15.856+/-0.002 χ^2/NDF: 14118409.3/74

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.002+/-0.004 χ^2/NDF:20.3/20

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.002+/-0.004 χ^2/NDF:21.8/18

Left: -0.000+/-0.003 χ^2/NDF: 42.6/39

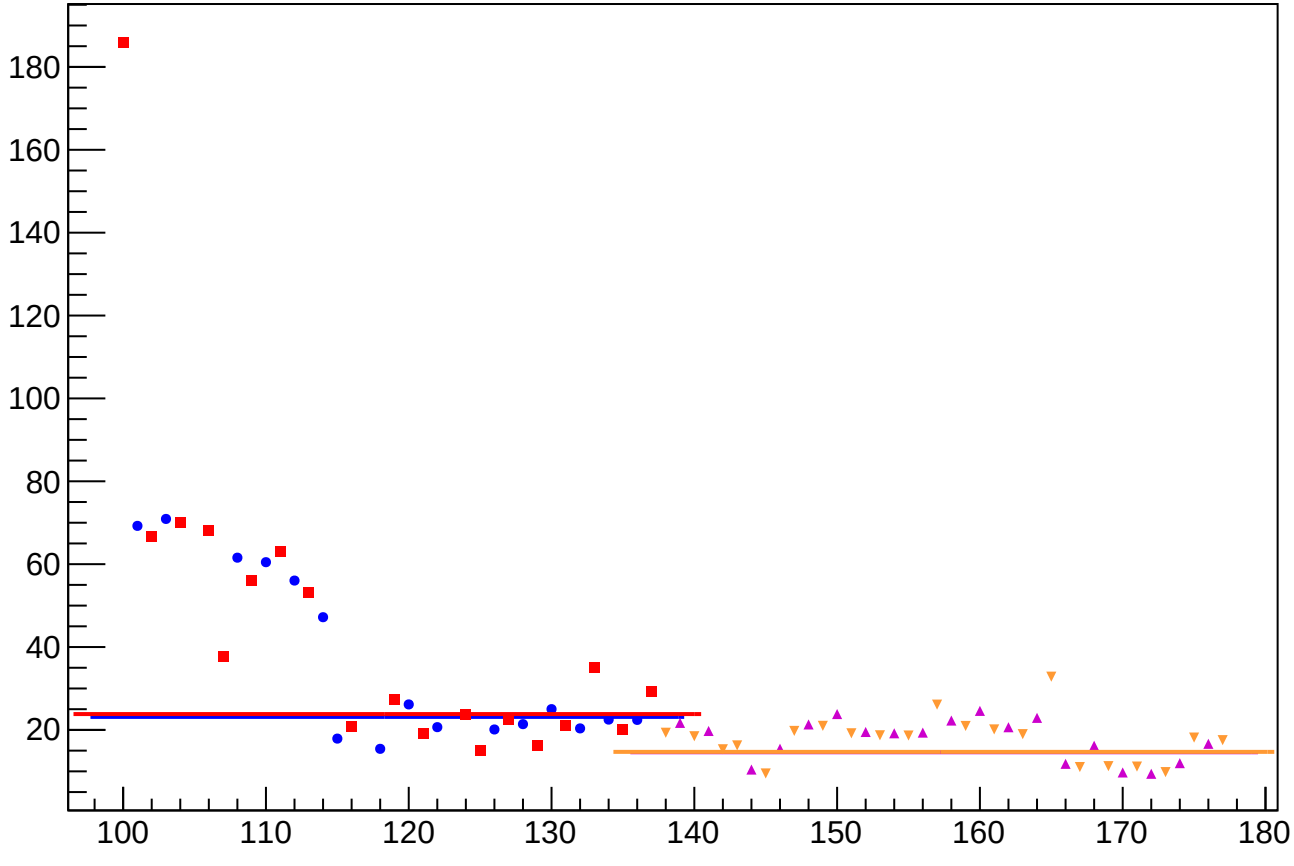
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.004+/-0.004 χ^2/NDF:35.3/34

Out: -0.001+/-0.004 χ^2/NDF:42.4/39

All: 0.001+/-0.003 χ^2/NDF: 78.5/74

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: 14.703+/-0.003 χ^2/NDF:3024781.2/20

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 14.606+/-0.003 χ^2/NDF:3070000.0/18

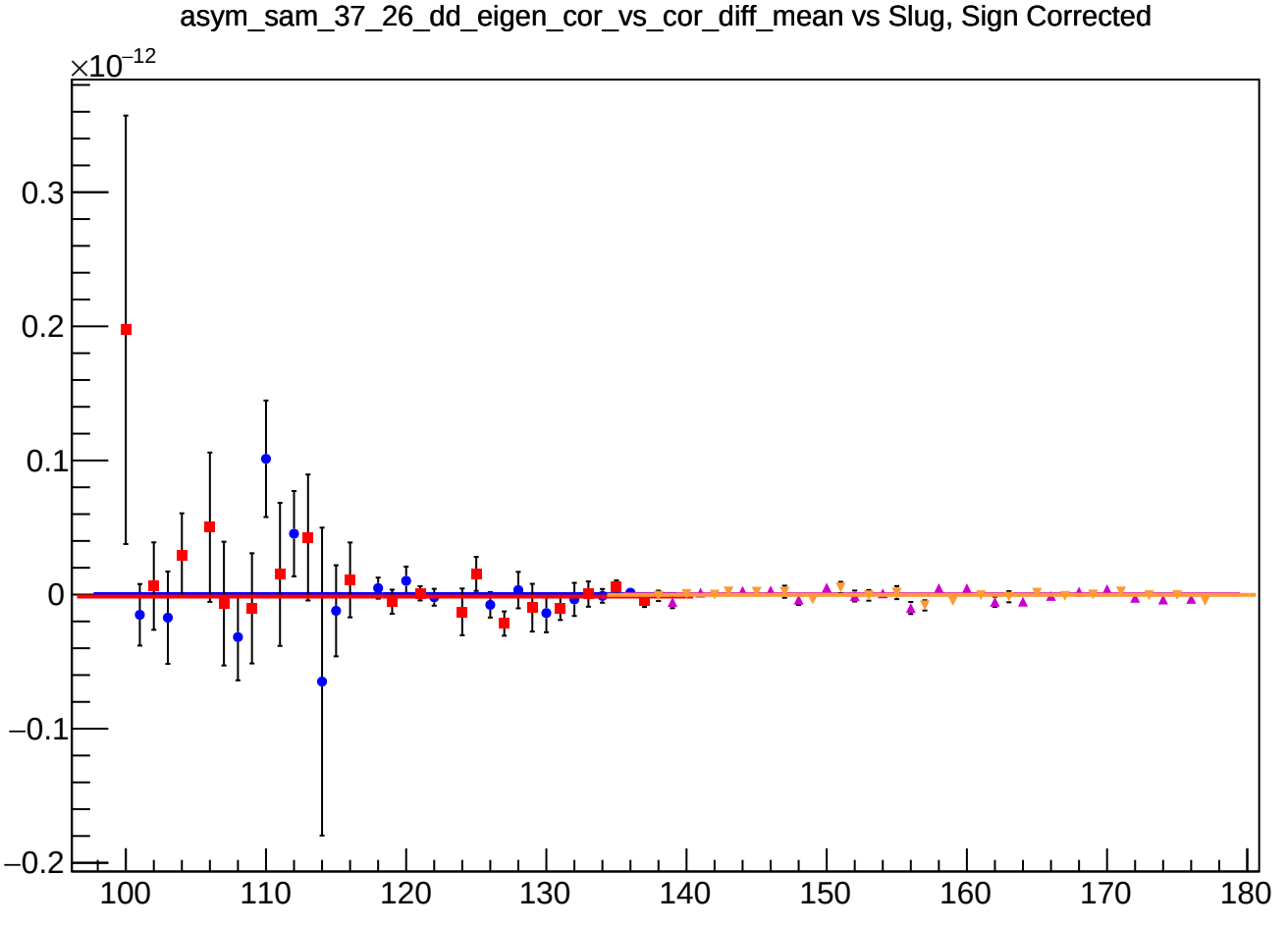
Left: 14.656+/-0.002 χ^2/NDF: 6095380.6/39

Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 15.835+/-0.003 χ^2/NDF:6763872.8/34

Out: 15.876+/-0.003 χ^2/NDF:7354413.3/39

All: 15.856+/-0.002 χ^2/NDF: 14118409.3/74



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.0/20

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:32.2/18

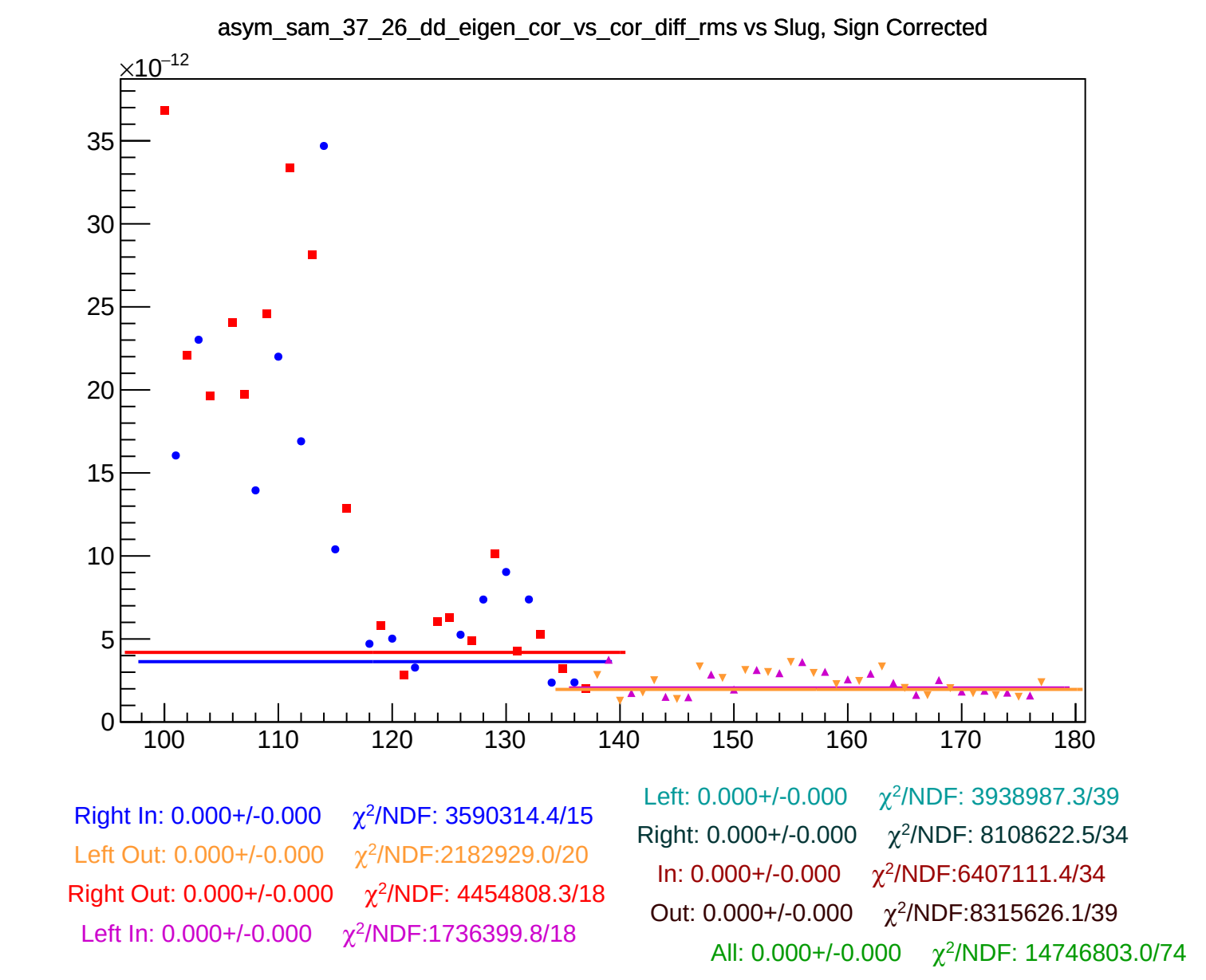
Left: -0.000+/-0.000 χ^2/NDF: 48.4/39

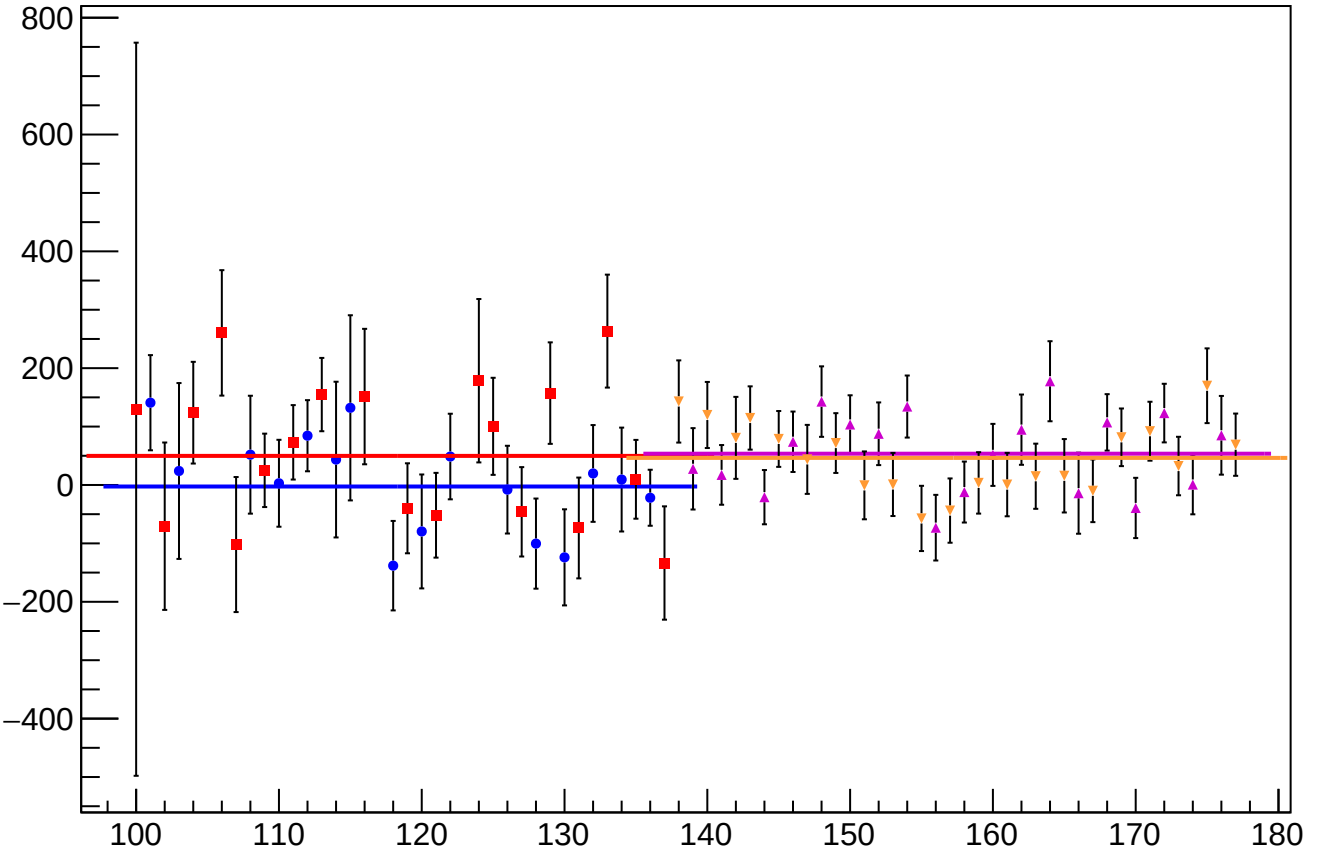
Right: -0.000+/-0.000 χ^2/NDF: 28.9/34

In: 0.000+/-0.000 χ^2/NDF:45.2/34

Out: -0.000+/-0.000 χ^2/NDF:31.8/39

All: -0.000+/-0.000 χ^2/NDF: 77.4/74


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:2182929.0/20
Right Out: 0.000+/-0.000 χ²/NDF: 4454808.3/18
Left In: 0.000+/-0.000 χ²/NDF:1736399.8/18
Left: 0.000+/-0.000 χ²/NDF: 3938987.3/39
Right: 0.000+/-0.000 χ²/NDF: 8108622.5/34
In: 0.000+/-0.000 χ²/NDF:6407111.4/34
Out: 0.000+/-0.000 χ²/NDF:8315626.1/39
All: 0.000+/-0.000 χ²/NDF: 14746803.0/74



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 46.368+/-12.060 χ^2/NDF:21.9/20

Right Out: 49.810+/-19.621 χ^2/NDF: 29.4/18

Left In: 53.551+/-12.554 χ^2/NDF:28.3/18

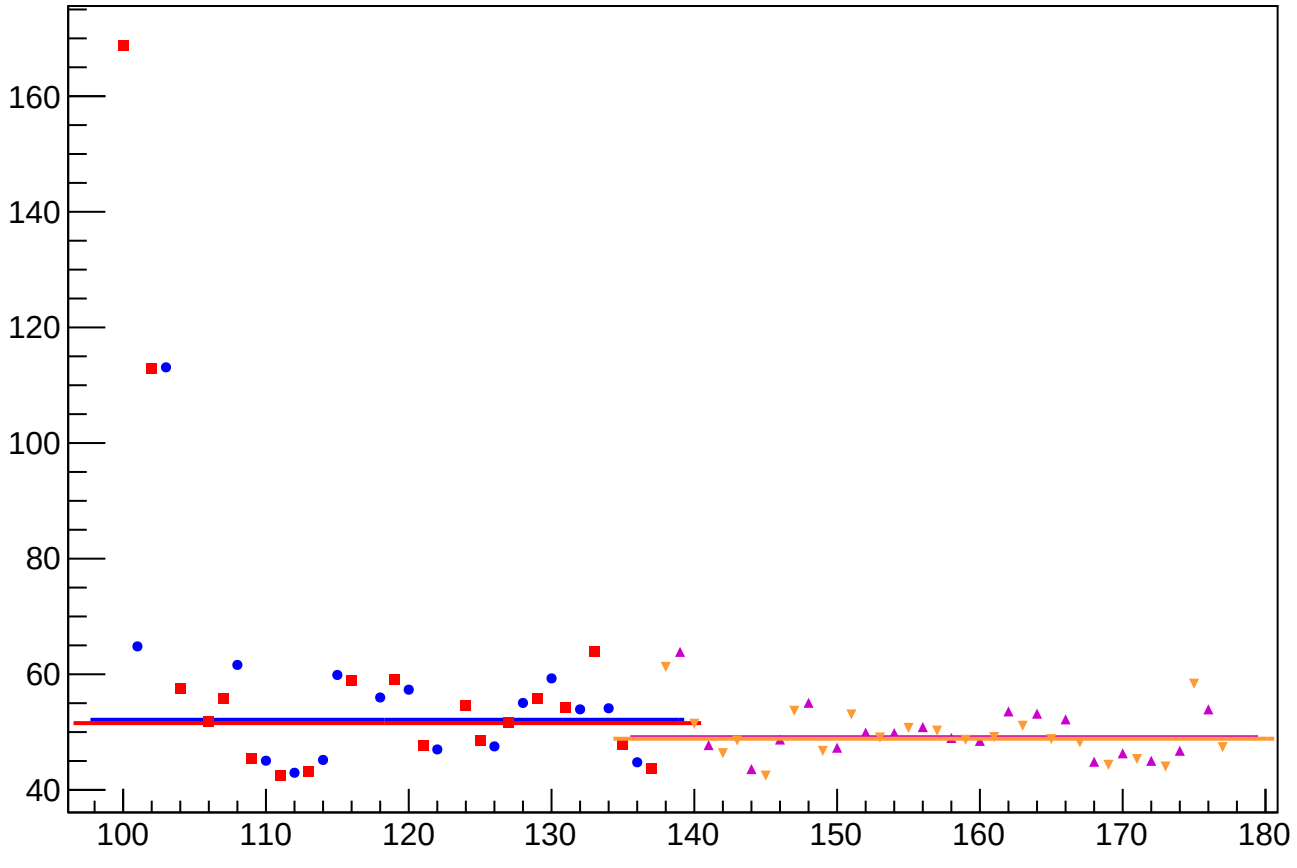
Left: 49.815+/-8.697 χ^2/NDF: 50.4/39

Right: 24.091+/-14.004 χ^2/NDF: 47.4/34

In: 37.669+/-10.632 χ^2/NDF:48.6/34

Out: 47.312+/-10.275 χ^2/NDF:51.3/39

All: 42.655+/-7.388 χ^2/NDF: 100.3/74



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 48.855+/-0.009 χ^2/NDF:229674.7/20

Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 49.110+/-0.009 χ^2/NDF:215703.6/18

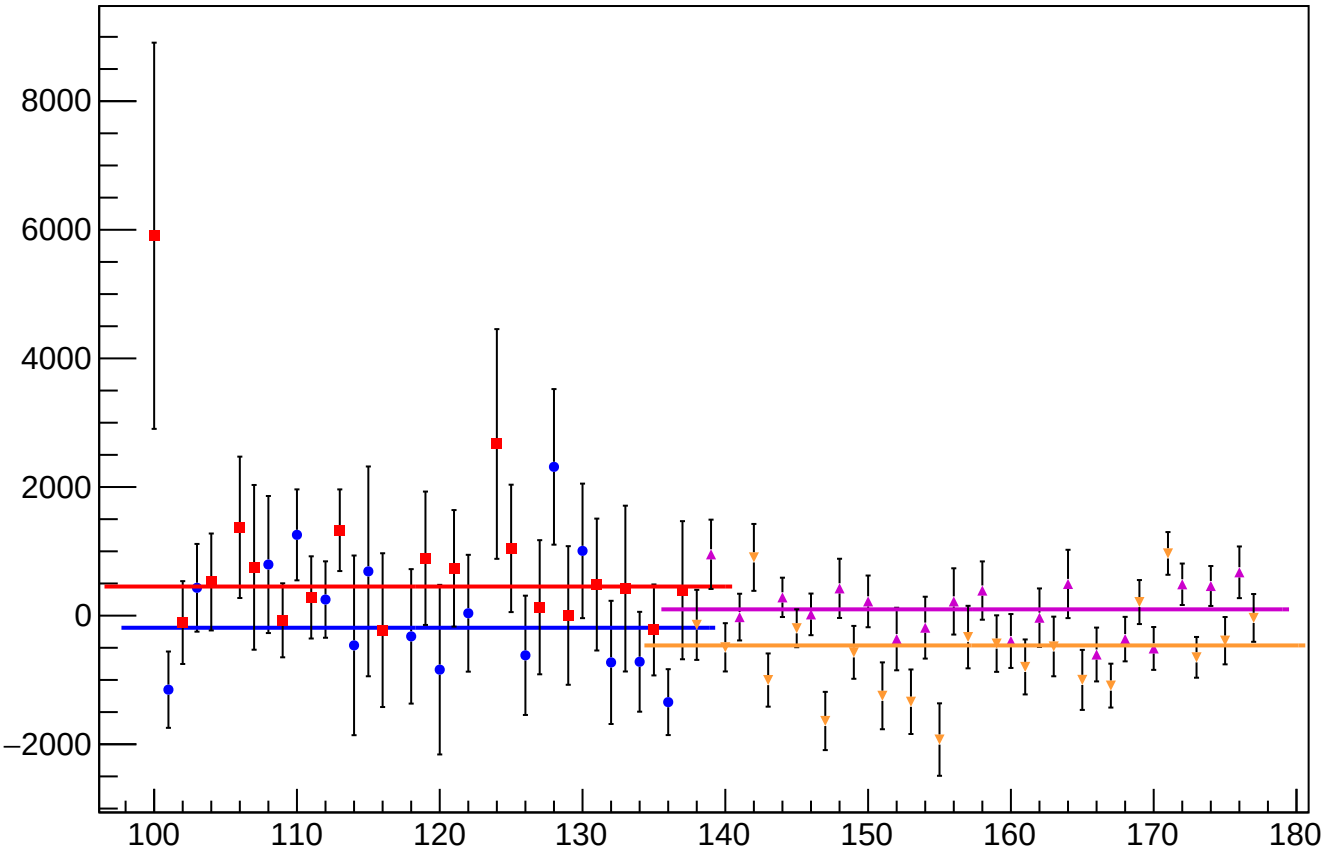
Left: 48.977+/-0.006 χ^2/NDF: 445808.4/39

Right: 51.834+/-0.010 χ^2/NDF: 1203336.1/34

In: 49.964+/-0.008 χ^2/NDF:811313.9/34

Out: 49.594+/-0.007 χ^2/NDF:896628.0/39

All: 49.772+/-0.005 χ^2/NDF: 1709193.0/74



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -463.355+/-88.380 χ^2/NDF:58.2/20

Right Out: 452.540+/-203.918 χ^2/NDF: 11.3/18

Left In: 97.715+/-90.281 χ^2/NDF:20.2/18

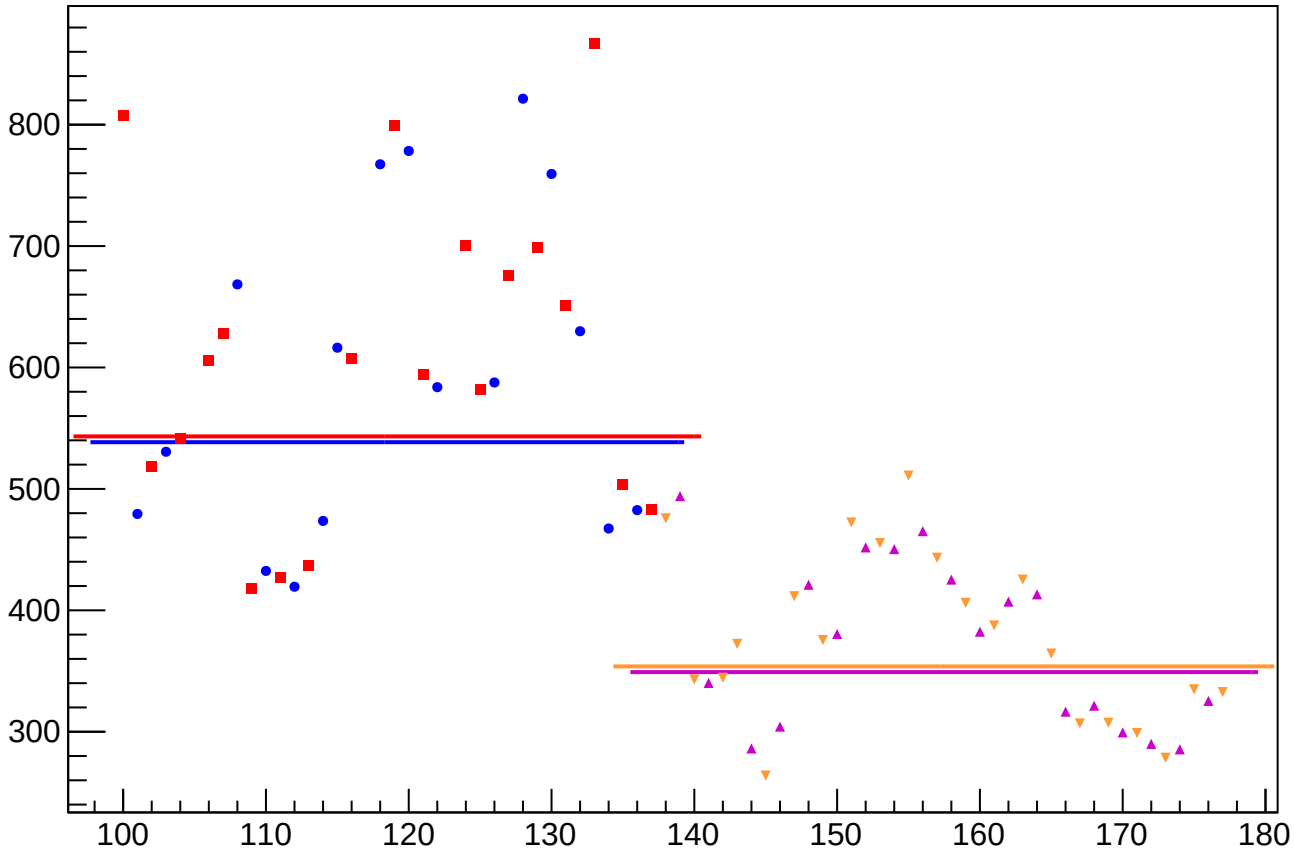
Left: -188.789+/-63.156 χ^2/NDF: 98.1/39

Right: 134.950+/-144.856 χ^2/NDF: 37.6/34

In: 51.518+/-82.676 χ^2/NDF:43.2/34

Out: -318.515+/-81.092 χ^2/NDF:86.5/39

All: -137.080+/-57.893 χ^2/NDF: 139.9/74



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 353.805+/-0.062 χ^2/NDF:1083160.6/20

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

Left In: 349.121+/-0.064 χ^2/NDF:967672.3/18

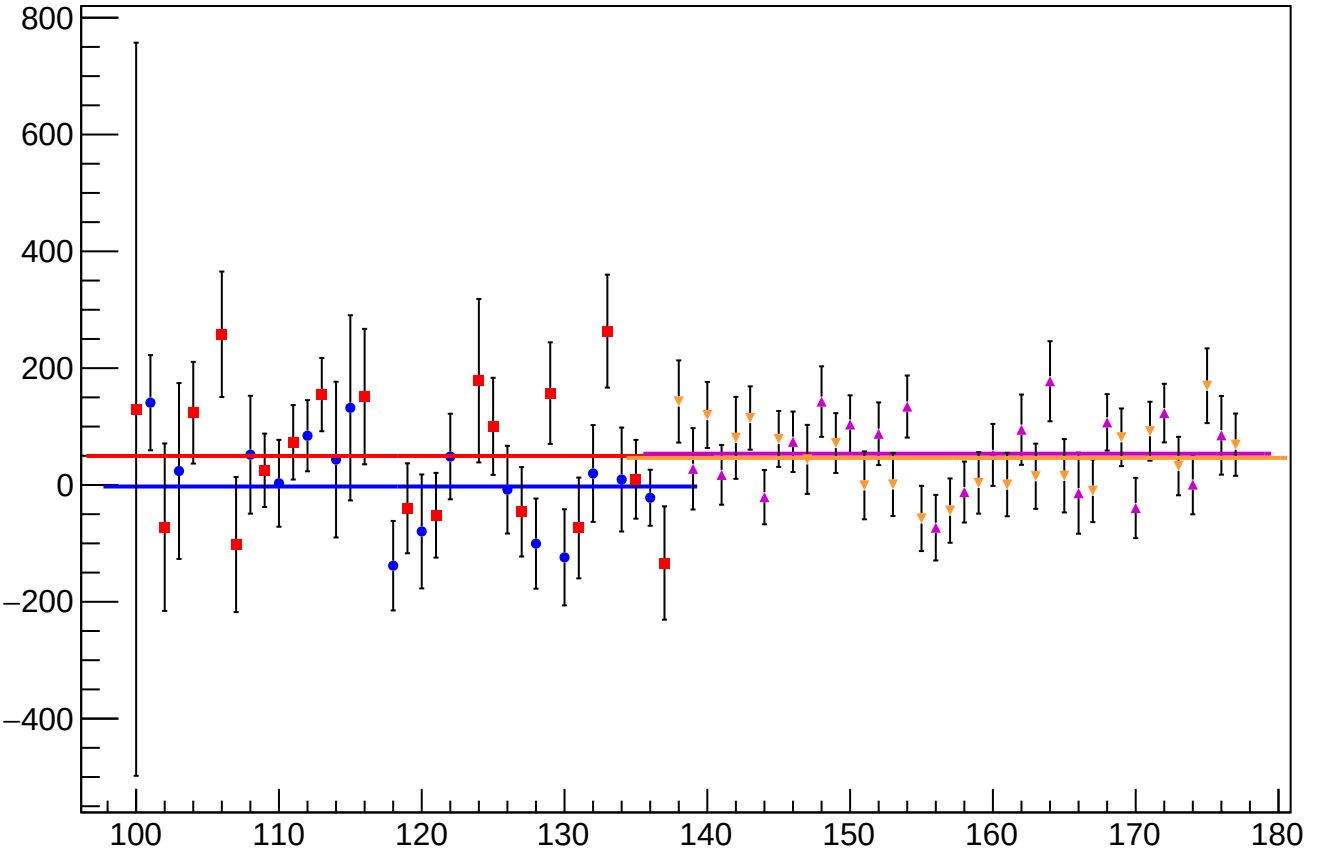
Left: 351.512+/-0.045 χ^2/NDF: 2053581.9/39

Right: 540.877+/-0.102 χ^2/NDF: 1251653.7/34

In: 379.676+/-0.058 χ^2/NDF:3001314.7/34

Out: 383.762+/-0.057 χ^2/NDF:3173358.4/39

All: 381.758+/-0.041 χ^2/NDF: 6177163.2/74



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 46.369+/-12.060 χ^2/NDF:21.9/20

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 53.551+/-12.554 χ^2/NDF:28.3/18

Left: 49.816+/-8.697 χ^2/NDF: 50.4/39

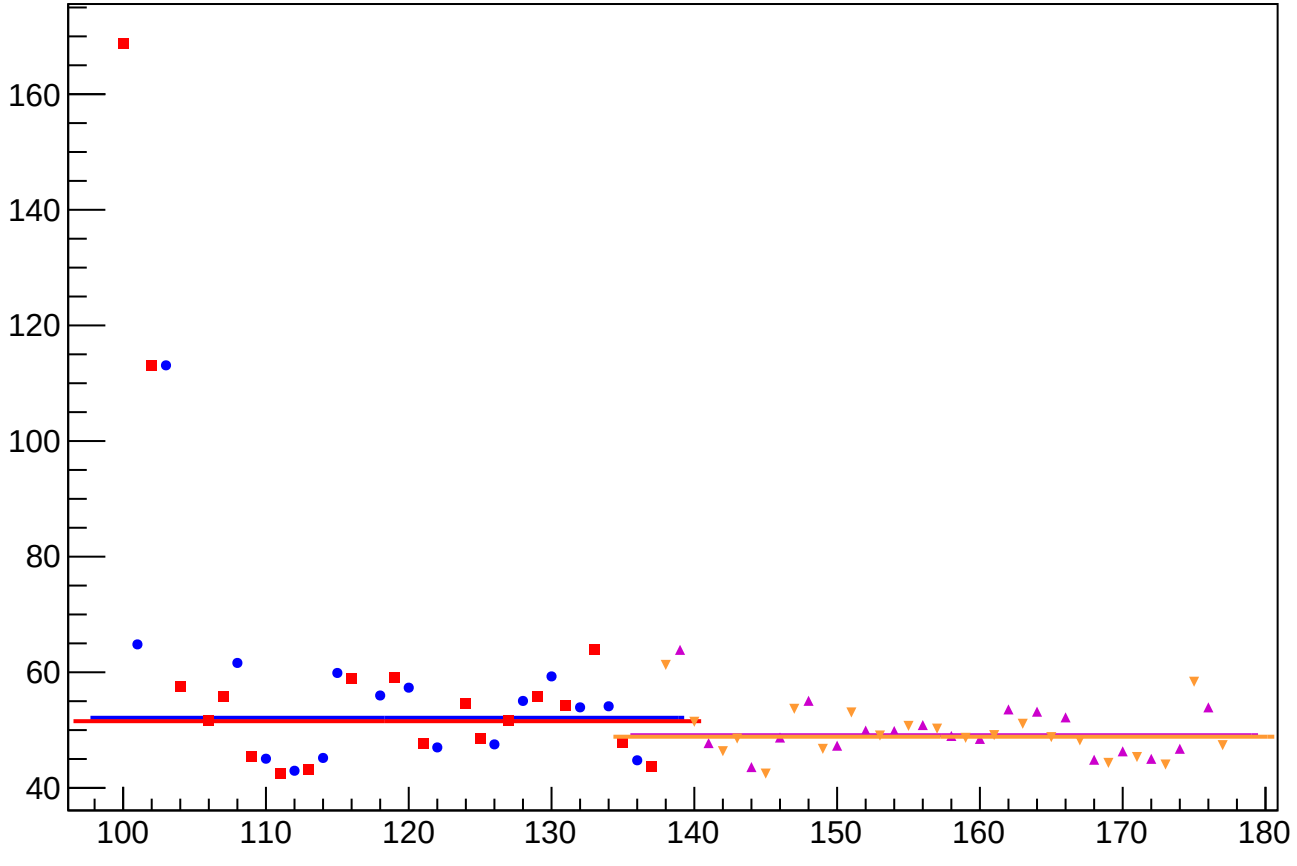
Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 37.668+/-10.632 χ^2/NDF:48.6/34

Out: 47.281+/-10.275 χ^2/NDF:51.2/39

All: 42.639+/-7.389 χ^2/NDF: 100.2/74

cor_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 48.855+/-0.009 χ^2/NDF:229674.7/20

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.110+/-0.009 χ^2/NDF:215703.6/18

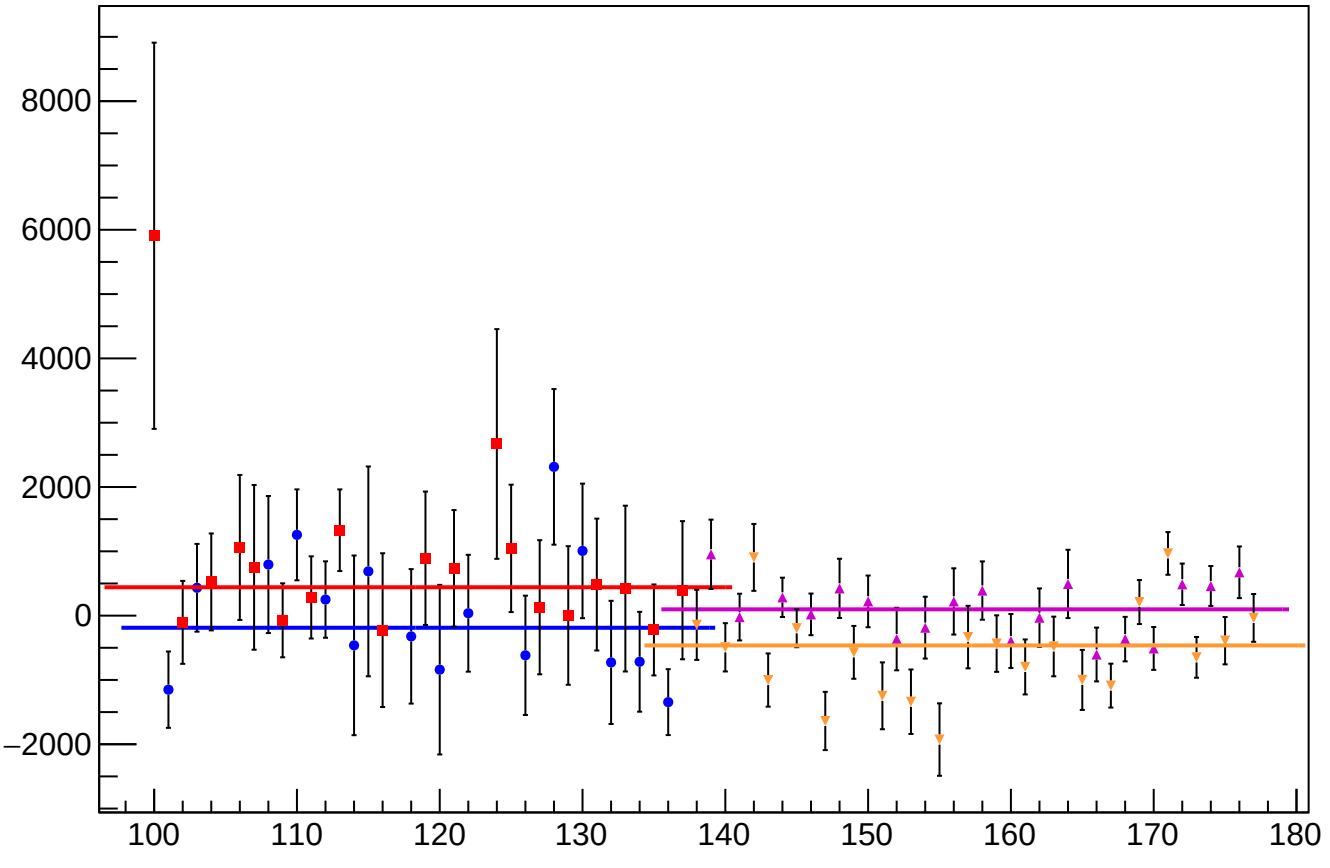
Left: 48.977+/-0.006 χ^2/NDF: 445808.4/39

Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 49.964+/-0.008 χ^2/NDF:811316.1/34

Out: 49.591+/-0.007 χ^2/NDF:896637.8/39

All: 49.771+/-0.005 χ^2/NDF: 1709224.4/74



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -463.352+/-88.380 χ^2/NDF:58.2/20

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 97.716+/-90.281 χ^2/NDF:20.2/18

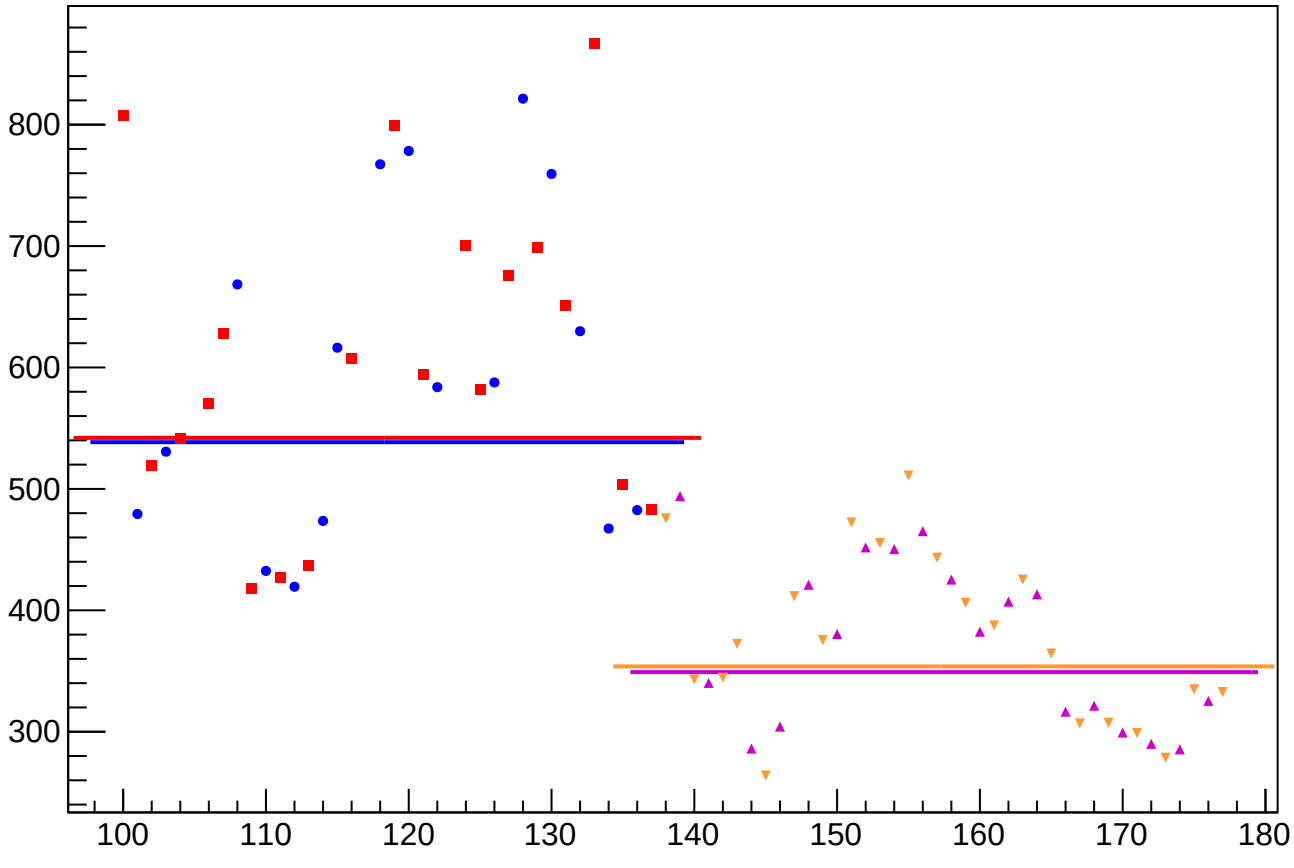
Left: -188.787+/-63.156 χ^2/NDF: 98.1/39

Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 51.523+/-82.677 χ^2/NDF:43.2/34

Out: -320.539+/-81.104 χ^2/NDF:85.6/39

All: -138.081+/-57.897 χ^2/NDF: 139.1/74



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 353.804+/-0.062 χ^2/NDF:1083165.0/20

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 349.120+/-0.064 χ^2/NDF:967671.8/18

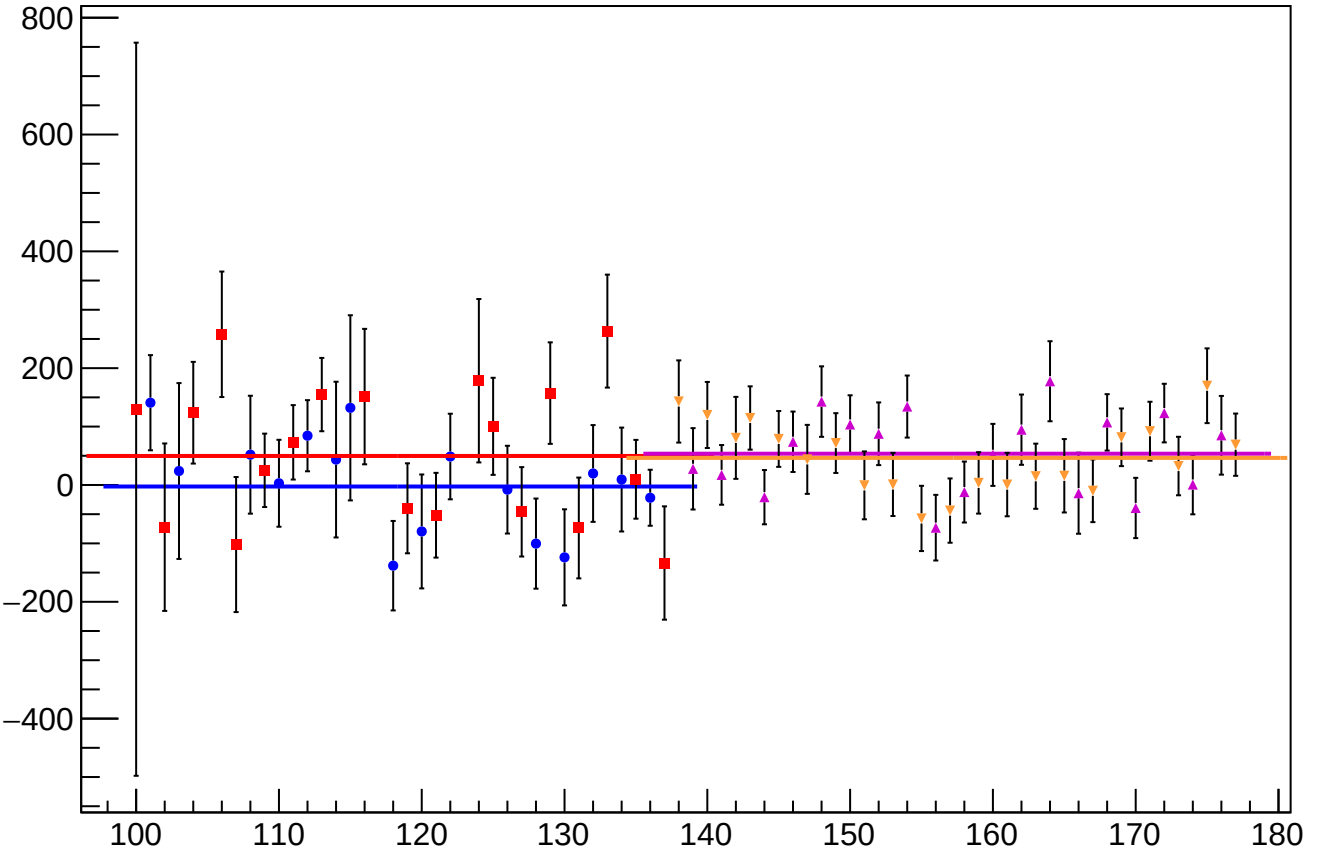
Left: 351.512+/-0.045 χ^2/NDF: 2053585.6/39

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 379.676+/-0.058 χ^2/NDF:3001366.6/34

Out: 383.522+/-0.057 χ^2/NDF:3146926.4/39

All: 381.636+/-0.041 χ^2/NDF: 6150498.5/74



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 46.369+/-12.060 χ^2/NDF:21.9/20

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 53.551+/-12.554 χ^2/NDF:28.3/18

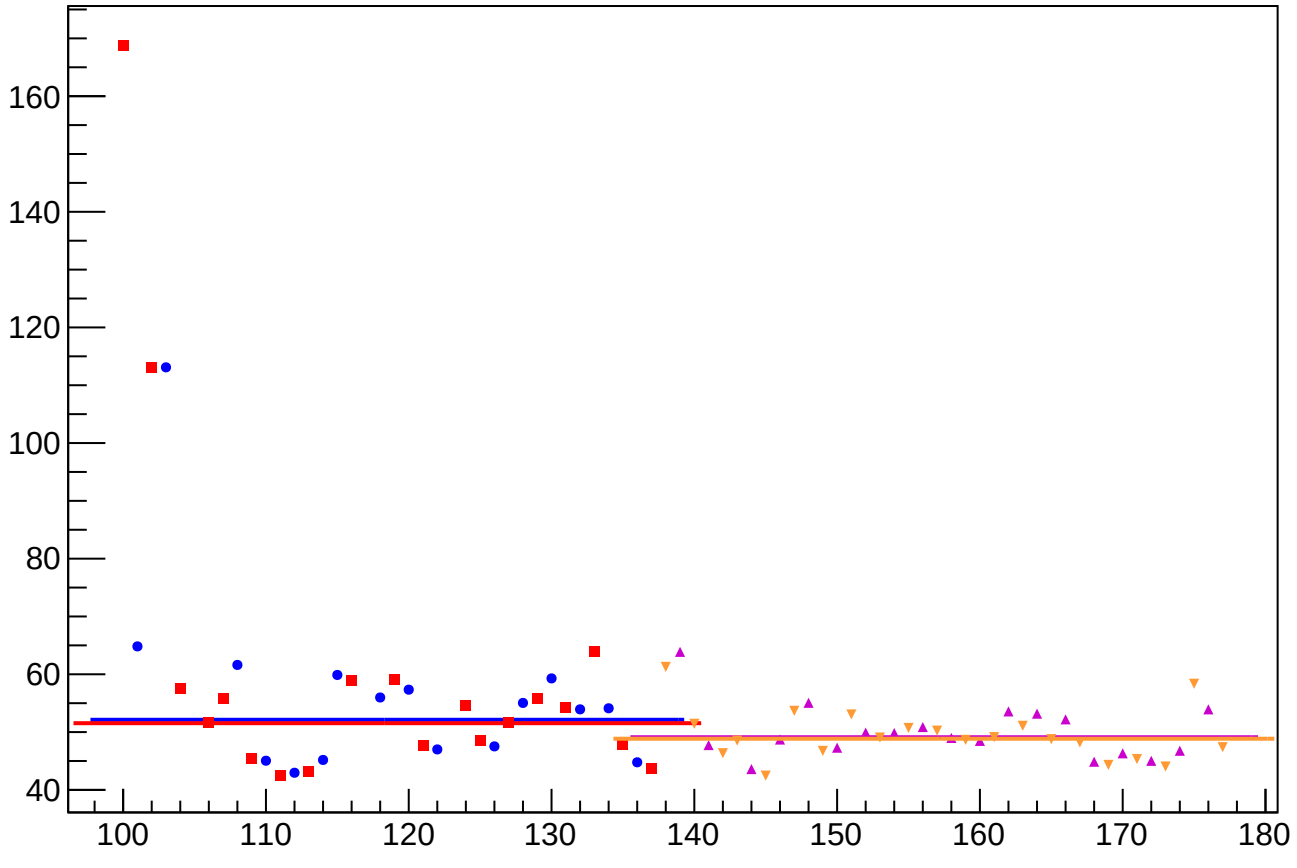
Left: 49.816+/-8.697 χ^2/NDF: 50.4/39

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 37.668+/-10.632 χ^2/NDF:48.6/34

Out: 47.281+/-10.275 χ^2/NDF:51.2/39

All: 42.639+/-7.389 χ^2/NDF: 100.2/74



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 48.855+/-0.009 χ^2/NDF:229674.7/20

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.110+/-0.009 χ^2/NDF:215703.6/18

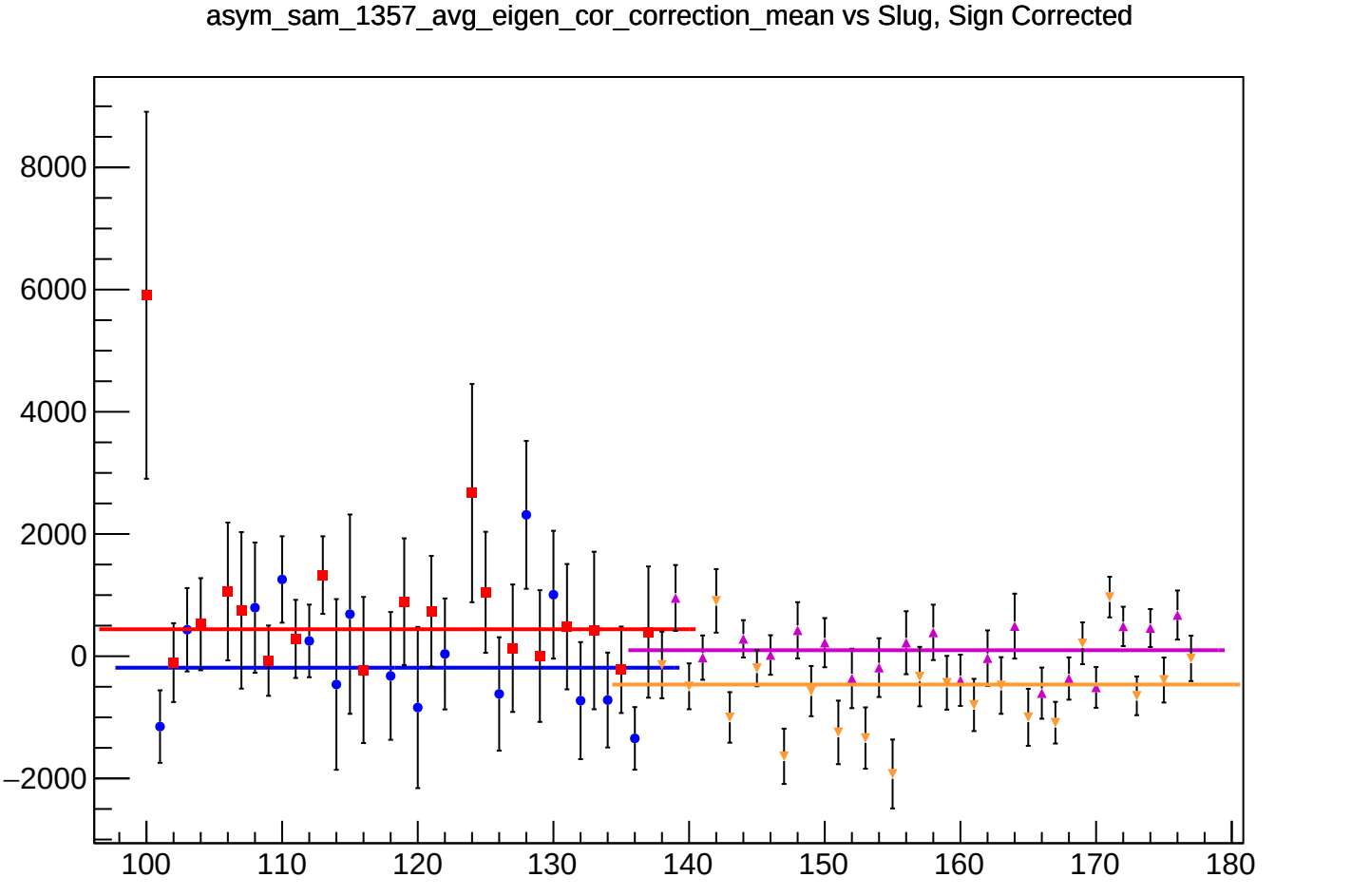
Left: 48.977+/-0.006 χ^2/NDF: 445808.4/39

Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 49.964+/-0.008 χ^2/NDF:811316.1/34

Out: 49.591+/-0.007 χ^2/NDF:896637.8/39

All: 49.771+/-0.005 χ^2/NDF: 1709224.4/74



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -463.352+/-88.380 χ^2/NDF:58.2/20

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 97.716+/-90.281 χ^2/NDF:20.2/18

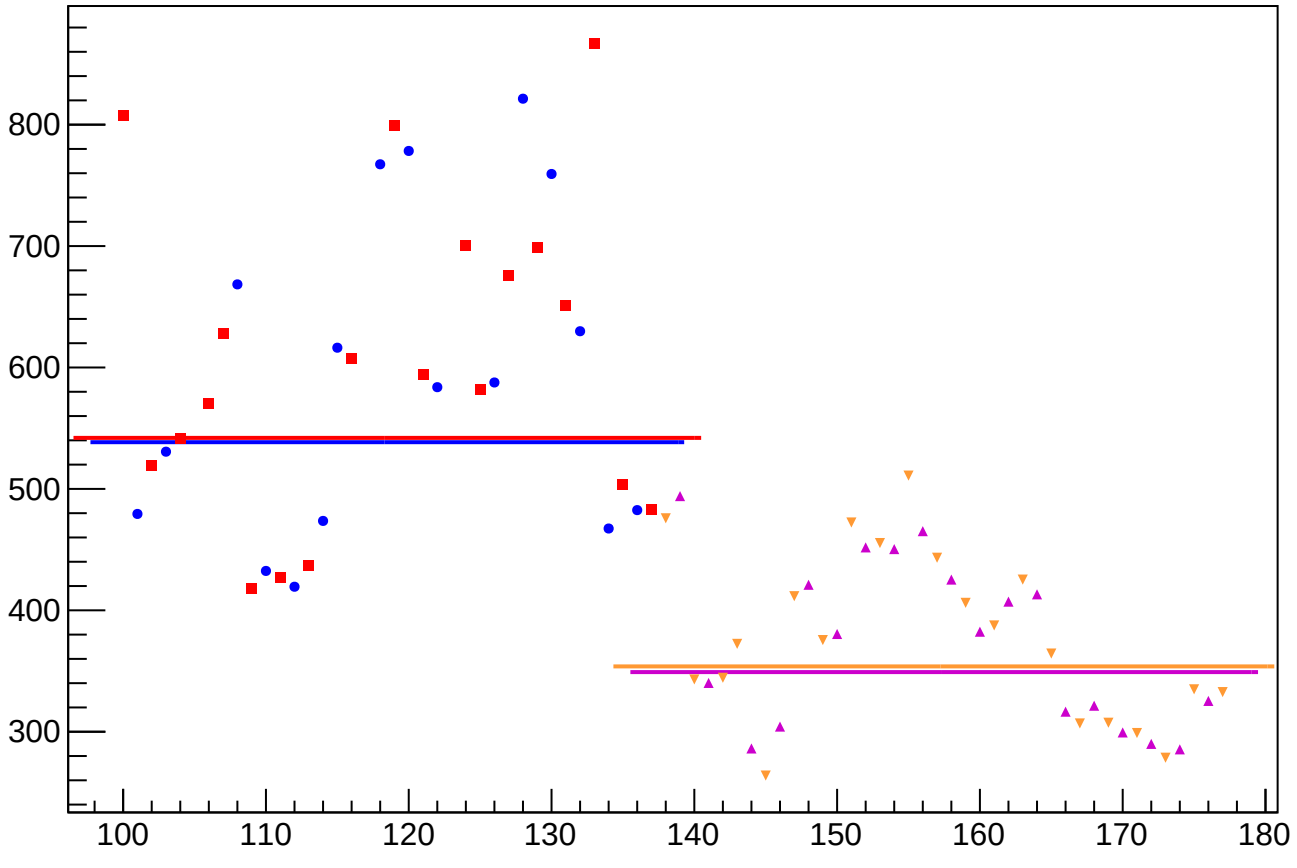
Left: -188.787+/-63.156 χ^2/NDF: 98.1/39

Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 51.523+/-82.677 χ^2/NDF:43.2/34

Out: -320.539+/-81.104 χ^2/NDF:85.6/39

All: -138.081+/-57.897 χ^2/NDF: 139.1/74



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 353.804+/-0.062 χ^2/NDF:1083165.0/20

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 349.120+/-0.064 χ^2/NDF:967671.8/18

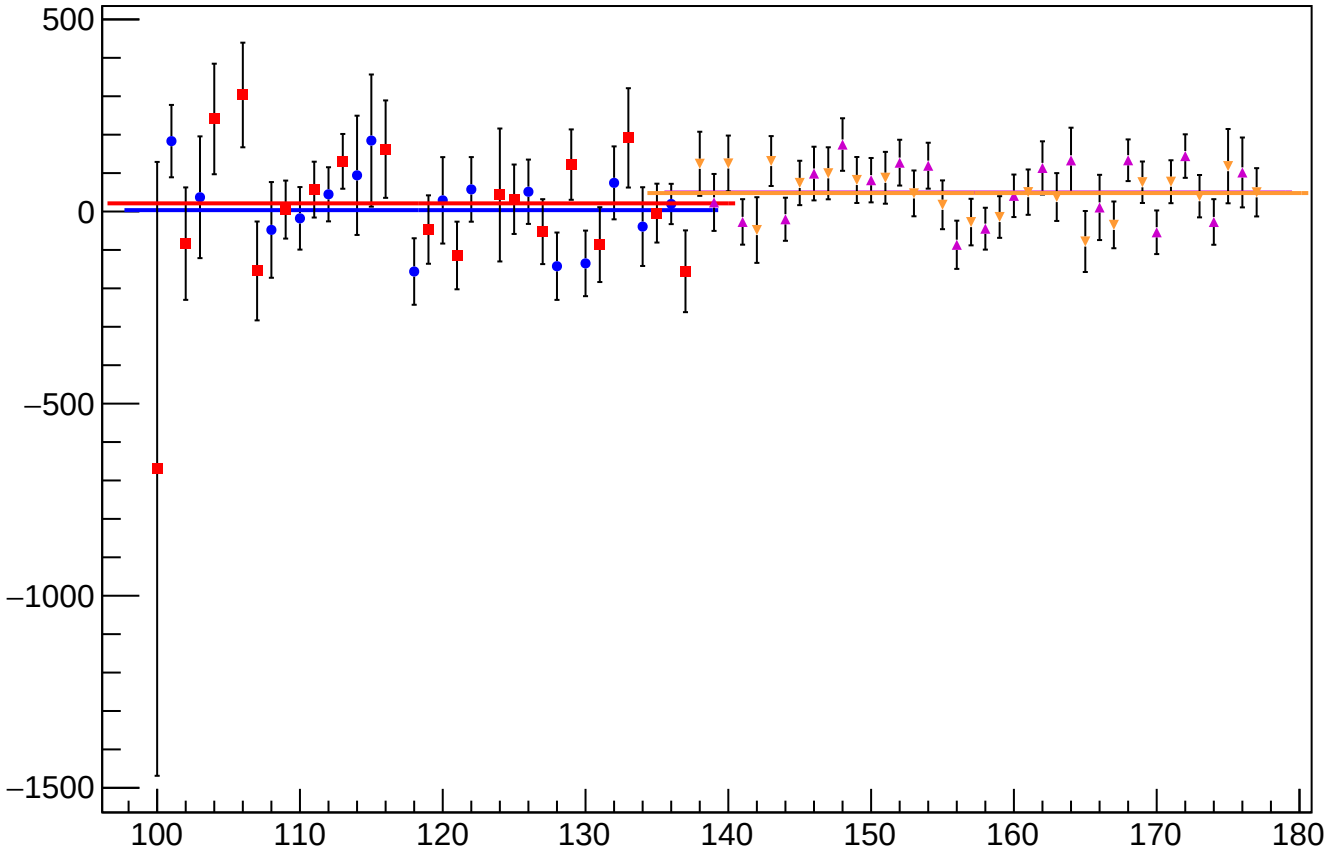
Left: 351.512+/-0.045 χ^2/NDF: 2053585.6/39

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 379.676+/-0.058 χ^2/NDF:3001366.6/34

Out: 383.522+/-0.057 χ^2/NDF:3146926.4/39

All: 381.636+/-0.041 χ^2/NDF: 6150498.5/74



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 48.042+/-13.877 χ^2/NDF:14.9/20

Right Out: 21.253+/-22.769 χ^2/NDF: 24.4/18

Left In: 49.526+/-14.381 χ^2/NDF:30.8/18

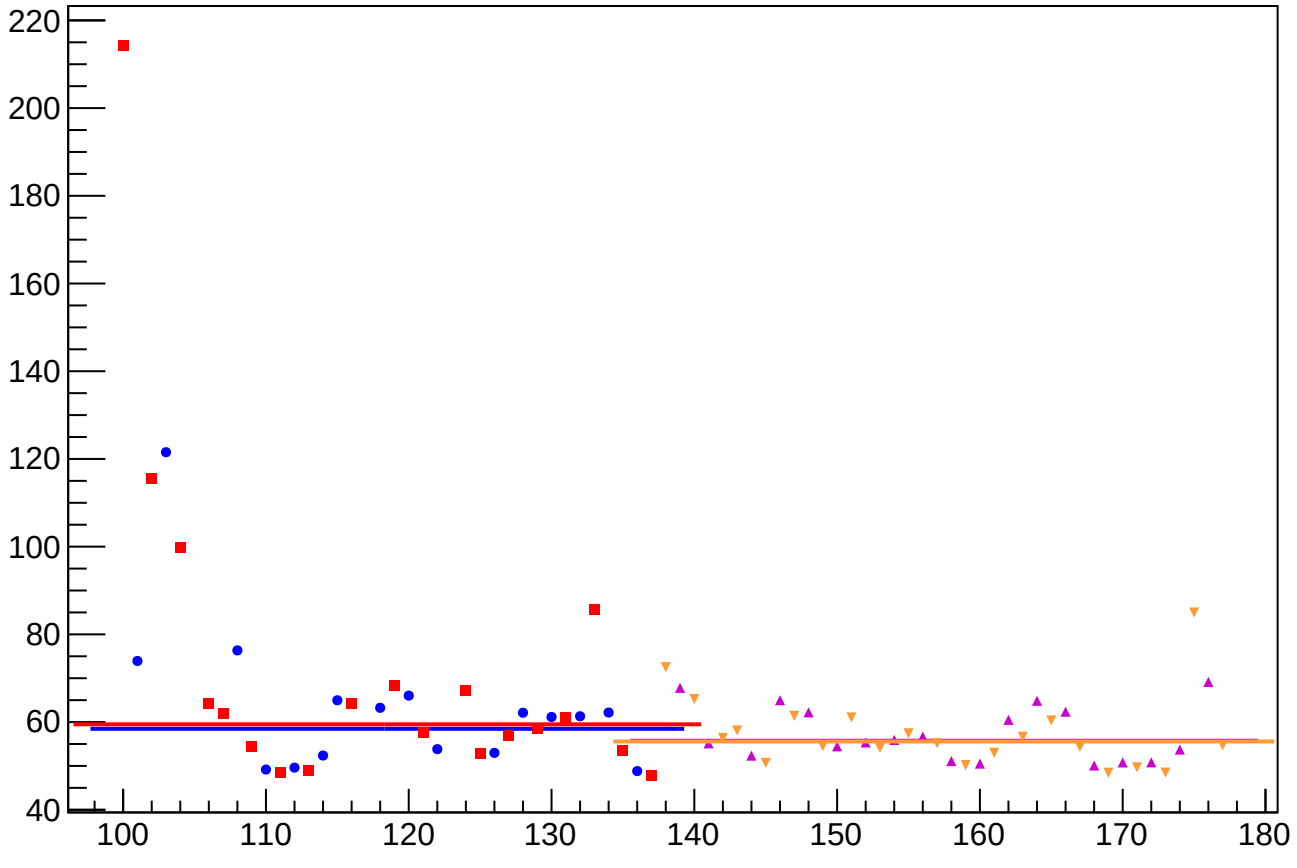
Left: 48.758+/-9.986 χ^2/NDF: 45.7/39

Right: 12.313+/-15.997 χ^2/NDF: 40.9/34

In: 36.187+/-12.115 χ^2/NDF:49.9/34

Out: 40.787+/-11.849 χ^2/NDF:40.4/39

All: 38.538+/-8.471 χ^2/NDF: 90.3/74



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 55.581+/-0.010 χ^2/NDF:475208.2/20

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

Left In: 55.744+/-0.010 χ^2/NDF:289434.6/18

Left: 55.660+/-0.007 χ^2/NDF: 764775.9/39

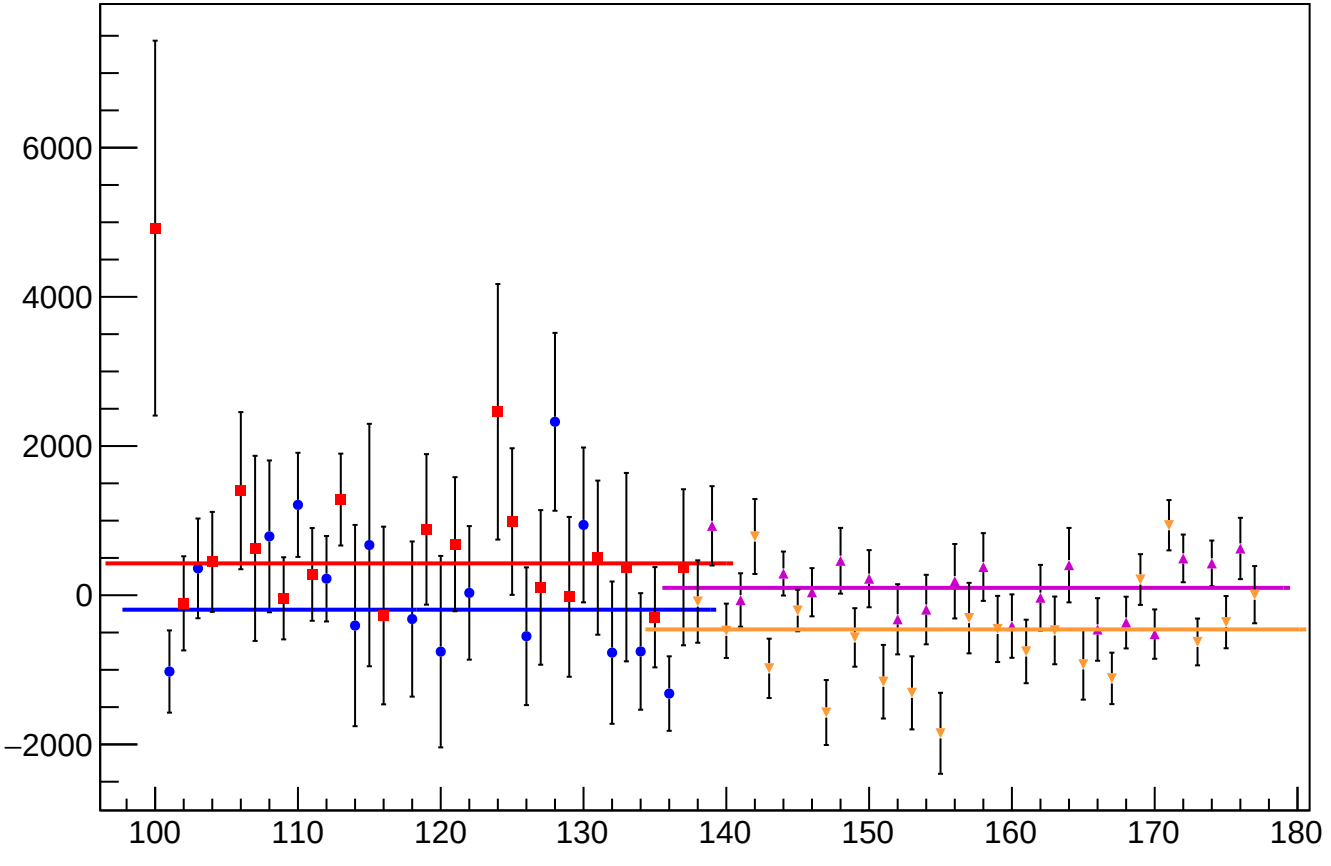
Right: 58.968+/-0.011 χ^2/NDF: 1369891.4/34

In: 56.535+/-0.009 χ^2/NDF:893210.5/34

Out: 56.638+/-0.008 χ^2/NDF:1302932.1/39

All: 56.588+/-0.006 χ^2/NDF: 2196217.6/74

asym_sam_1357_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -458.324+/-86.767 χ^2/NDF:55.4/20

Right Out: 426.977+/-197.005 χ^2/NDF: 11.3/18

Left In: 98.809+/-88.885 χ^2/NDF:18.8/18

Left: -186.473+/-62.089 χ^2/NDF: 94.4/39

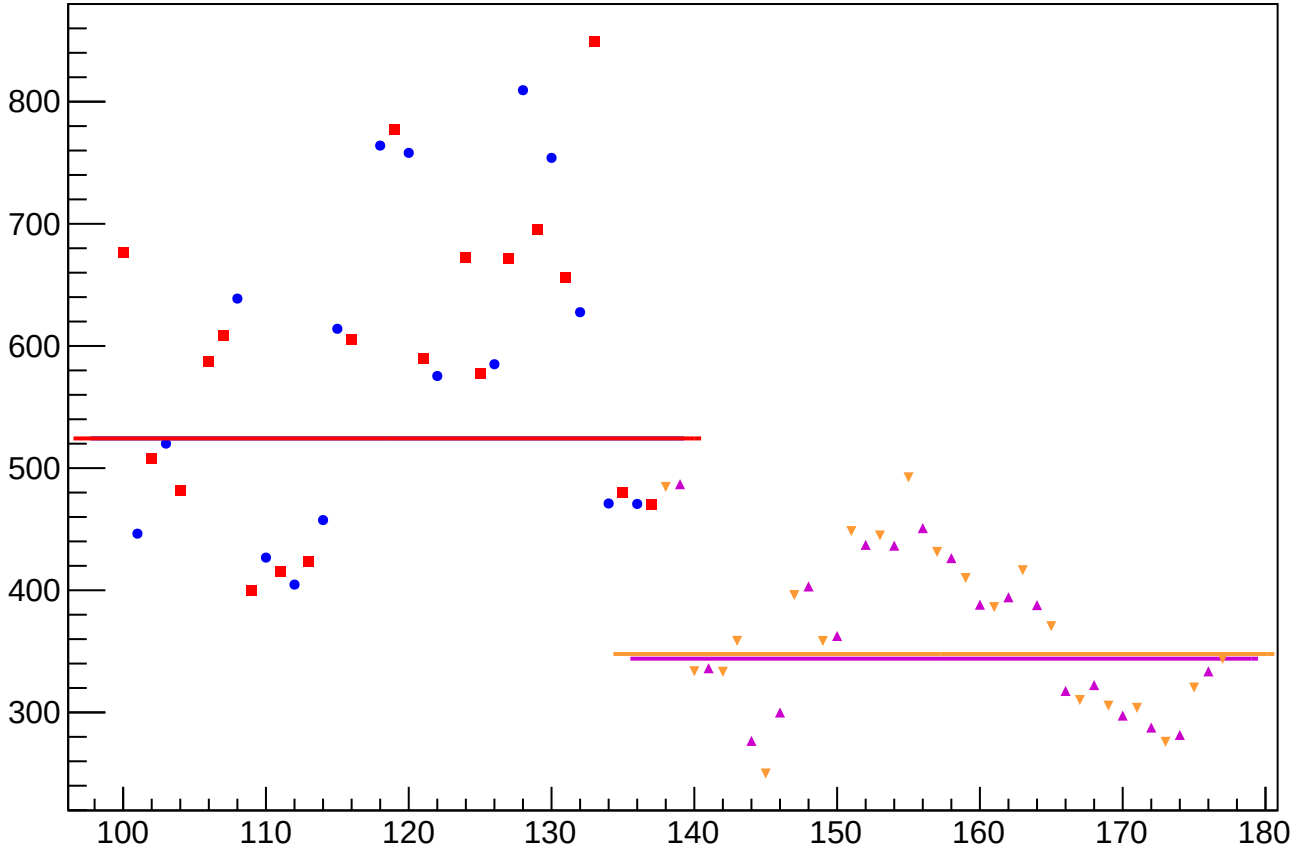
Right: 122.158+/-140.559 χ^2/NDF: 37.0/34

In: 50.774+/-81.265 χ^2/NDF:41.4/34

Out: -314.495+/-79.407 χ^2/NDF:83.7/39

All: -136.084+/-56.794 χ^2/NDF: 135.4/74

asym_sam_1357_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 347.818+/-0.061 χ^2/NDF:1081019.9/20

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

Left In: 343.999+/-0.063 χ^2/NDF:907462.1/18

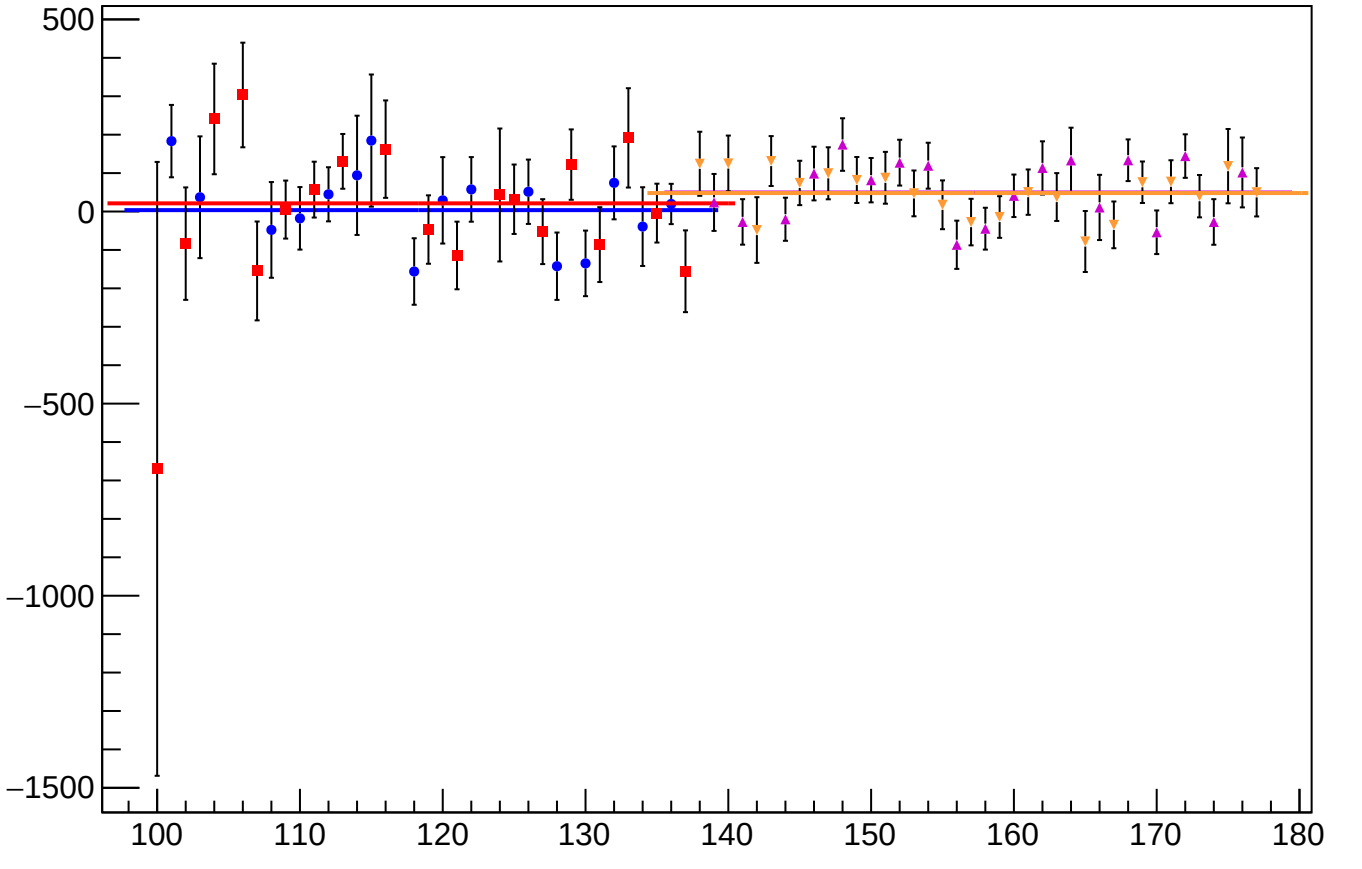
Left: 345.954+/-0.044 χ^2/NDF: 1990372.5/39

Right: 524.316+/-0.099 χ^2/NDF: 1344549.7/34

In: 373.592+/-0.057 χ^2/NDF:2916860.6/34

Out: 376.491+/-0.056 χ^2/NDF:3111429.6/39

All: 375.075+/-0.040 χ^2/NDF: 6029592.3/74



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 48.043+/-13.877 χ^2/NDF:14.9/20

Right Out: 21.251+/-22.769 χ^2/NDF: 24.4/18

Left In: 49.525+/-14.382 χ^2/NDF:30.8/18

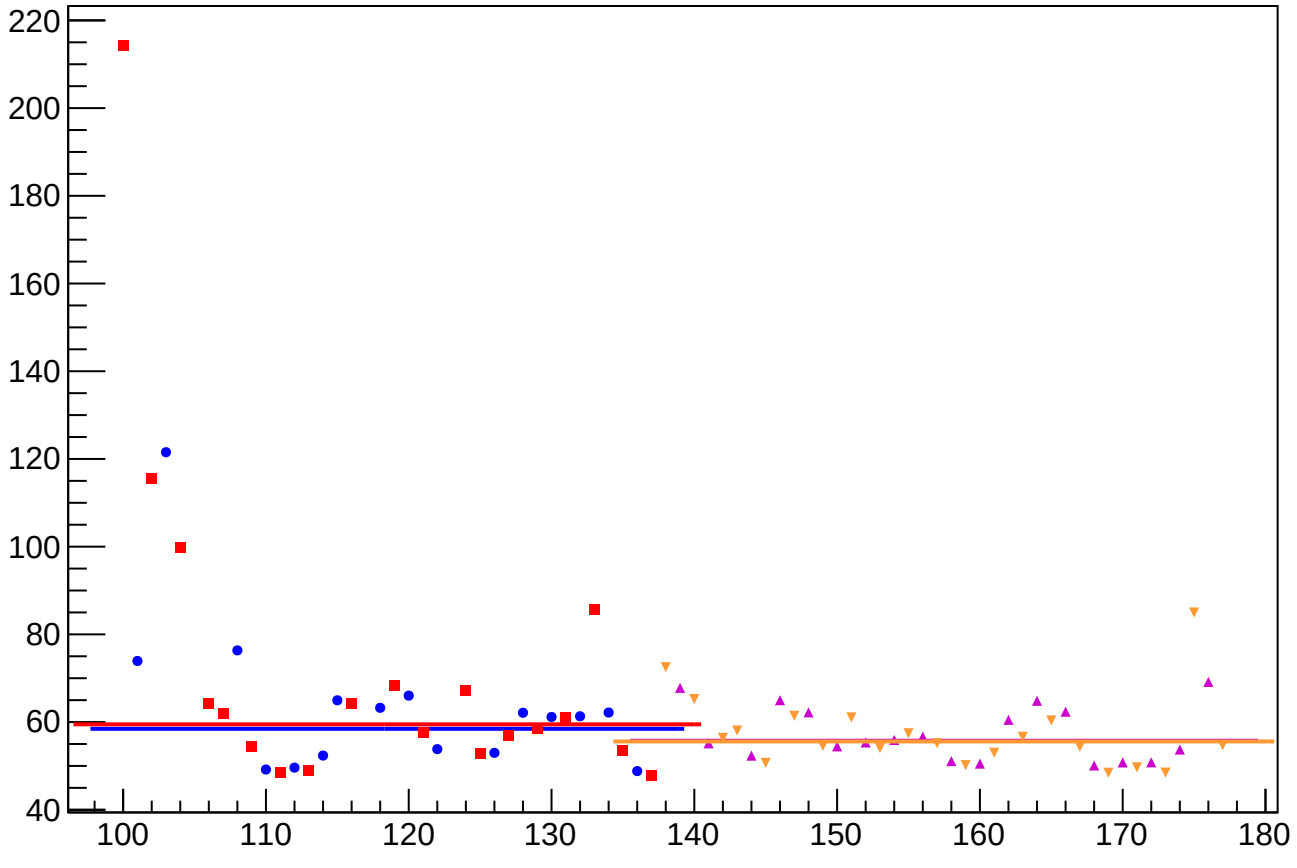
Left: 48.758+/-9.986 χ^2/NDF: 45.7/39

Right: 12.312+/-15.997 χ^2/NDF: 40.9/34

In: 36.187+/-12.115 χ^2/NDF:49.9/34

Out: 40.787+/-11.849 χ^2/NDF:40.4/39

All: 38.538+/-8.471 χ^2/NDF: 90.3/74



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 55.582+/-0.010 χ^2/NDF:475213.2/20

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 55.745+/-0.010 χ^2/NDF:289431.9/18

Left: 55.660+/-0.007 χ^2/NDF: 764778.1/39

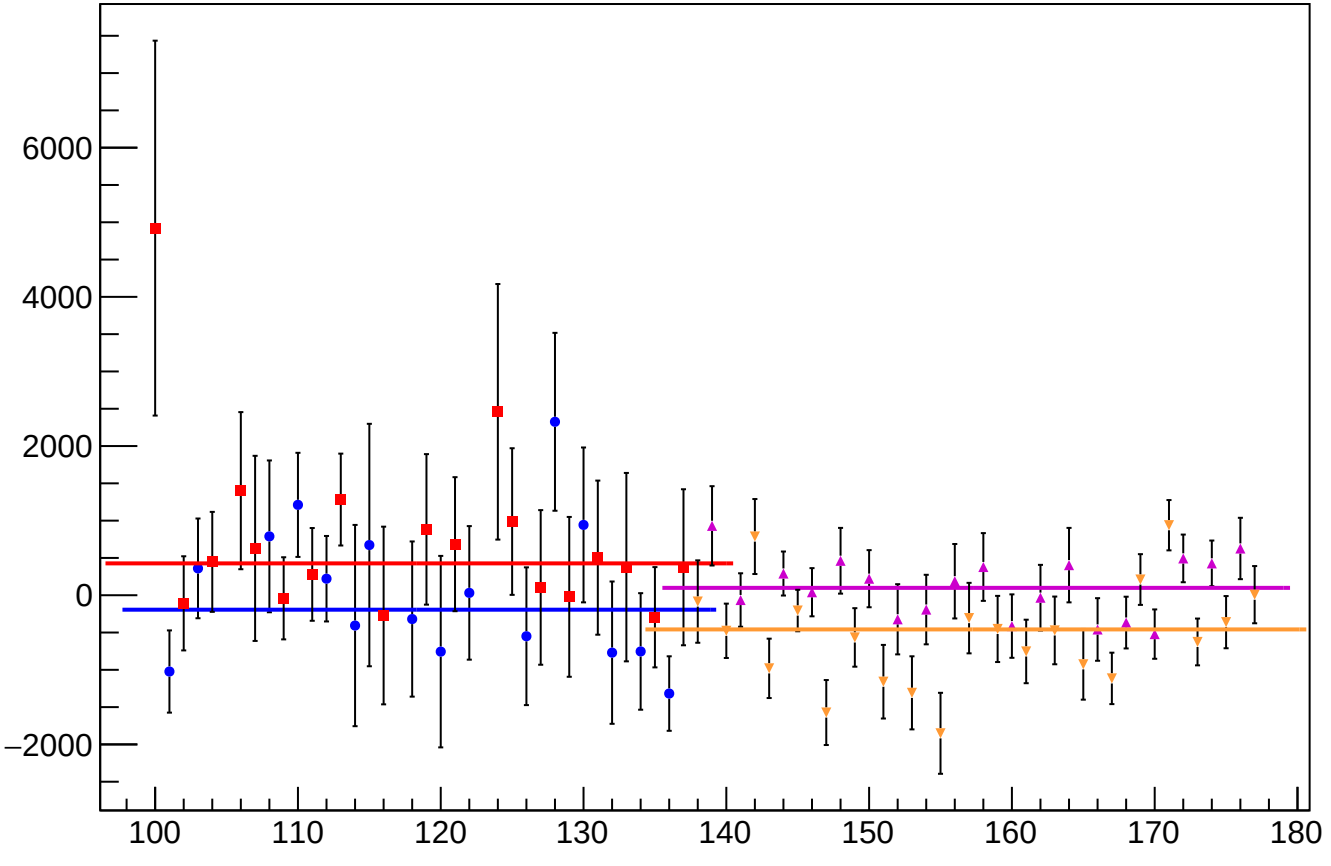
Right: 58.968+/-0.011 χ^2/NDF: 1369888.0/34

In: 56.535+/-0.009 χ^2/NDF:893203.7/34

Out: 56.639+/-0.008 χ^2/NDF:1302937.6/39

All: 56.588+/-0.006 χ^2/NDF: 2196216.3/74

asym_sam_1357_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -193.899+/-200.603 χ^2/NDF: 20.8/15

Left Out: -458.324+/-86.767 χ^2/NDF:55.4/20

Right Out: 426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: 98.809+/-88.884 χ^2/NDF:18.8/18

Left: -186.473+/-62.089 χ^2/NDF: 94.4/39

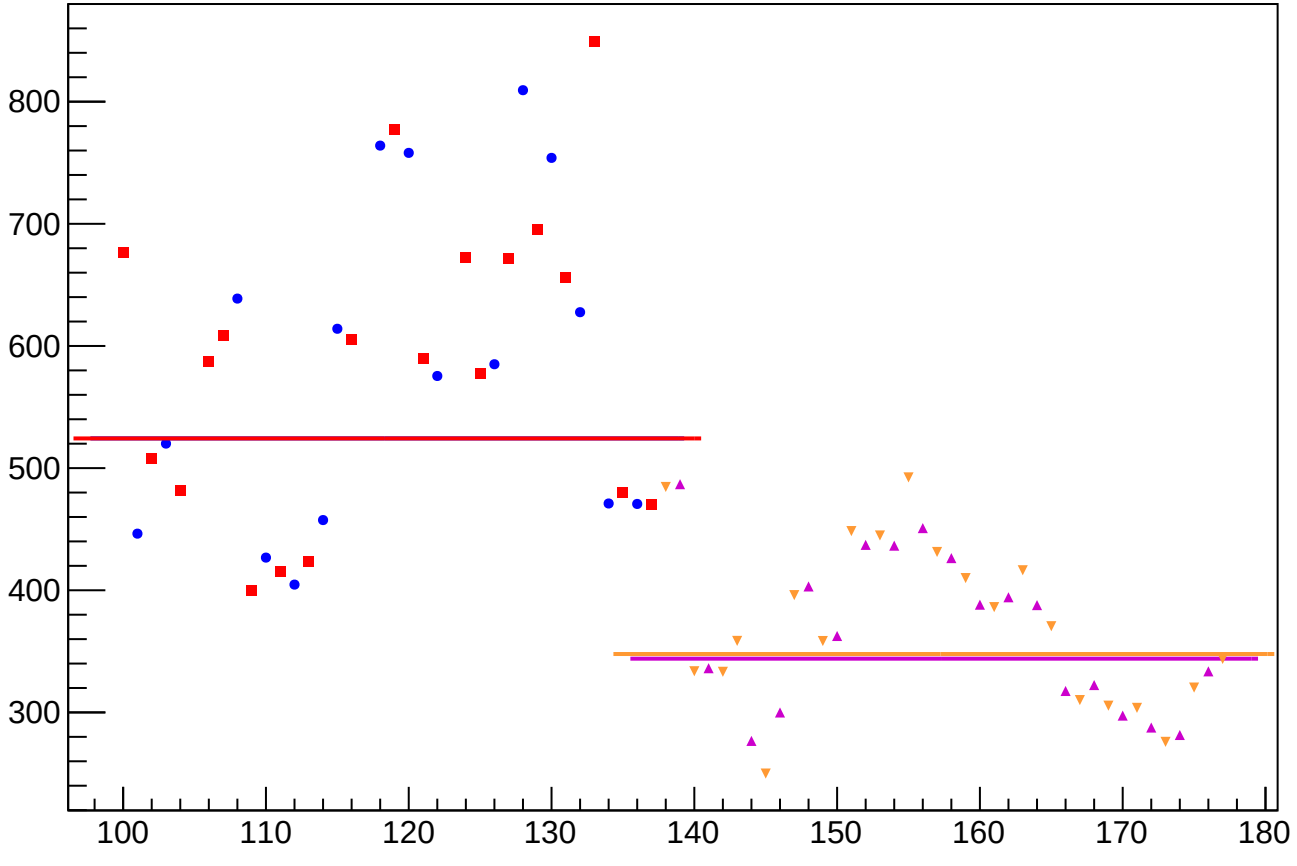
Right: 122.157+/-140.558 χ^2/NDF: 37.0/34

In: 50.773+/-81.265 χ^2/NDF:41.4/34

Out: -314.494+/-79.406 χ^2/NDF:83.7/39

All: -136.084+/-56.794 χ^2/NDF: 135.4/74

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: 347.818+/-0.061 χ^2/NDF:1081014.7/20

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

Left In: 343.999+/-0.063 χ^2/NDF:907455.0/18

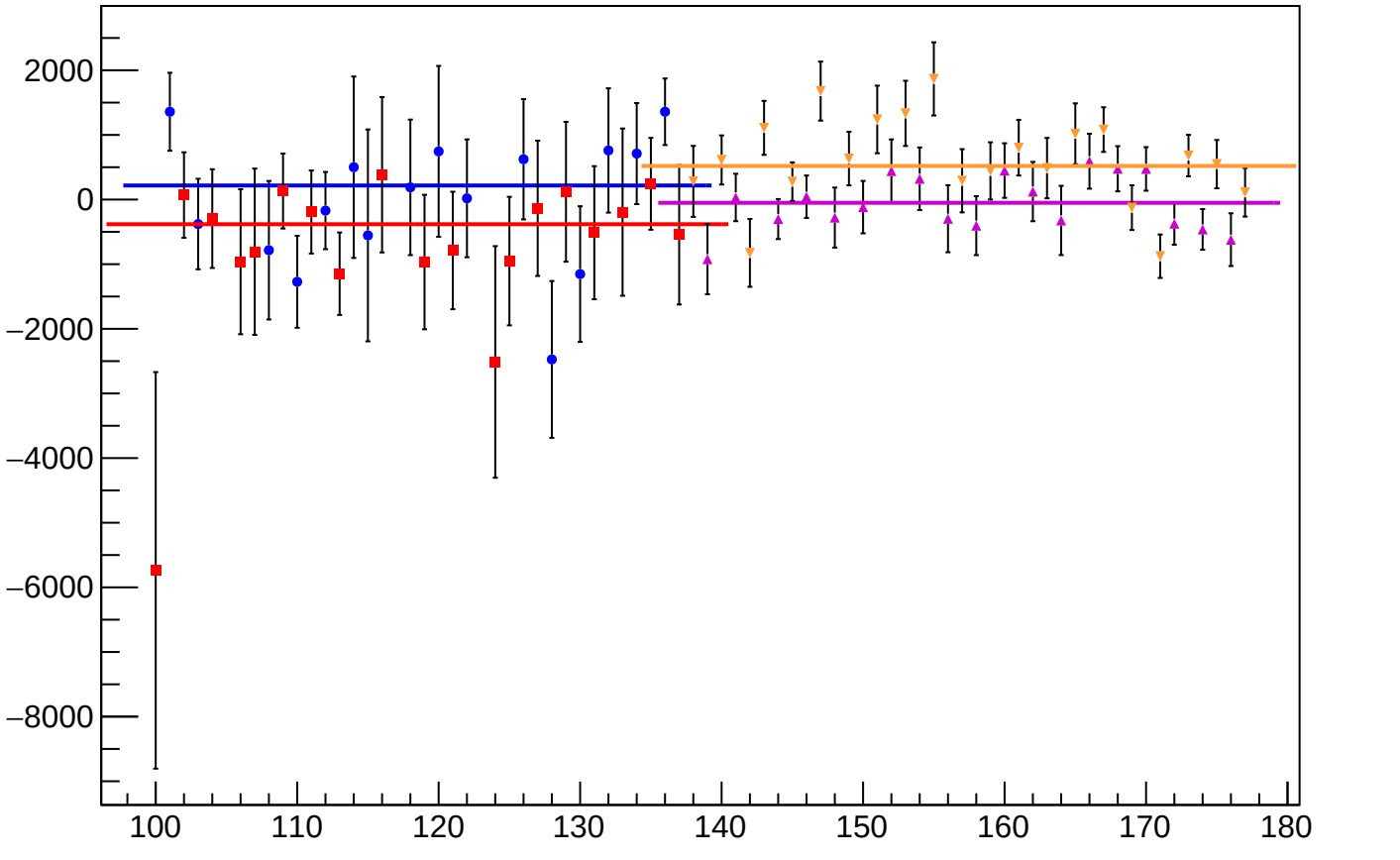
Left: 345.954+/-0.044 χ^2/NDF: 1990360.1/39

Right: 524.315+/-0.099 χ^2/NDF: 1344557.5/34

In: 373.592+/-0.057 χ^2/NDF:2916850.2/34

Out: 376.491+/-0.056 χ^2/NDF:3111420.3/39

All: 375.075+/-0.040 χ^2/NDF: 6029572.5/74



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 519.511+/-89.282 χ^2/NDF:52.8/20

Right Out: -381.836+/-205.585 χ^2/NDF: 10.0/18

Left In: -50.126+/-91.239 χ^2/NDF:19.5/18

Left: 240.865+/-63.813 χ^2/NDF: 92.2/39

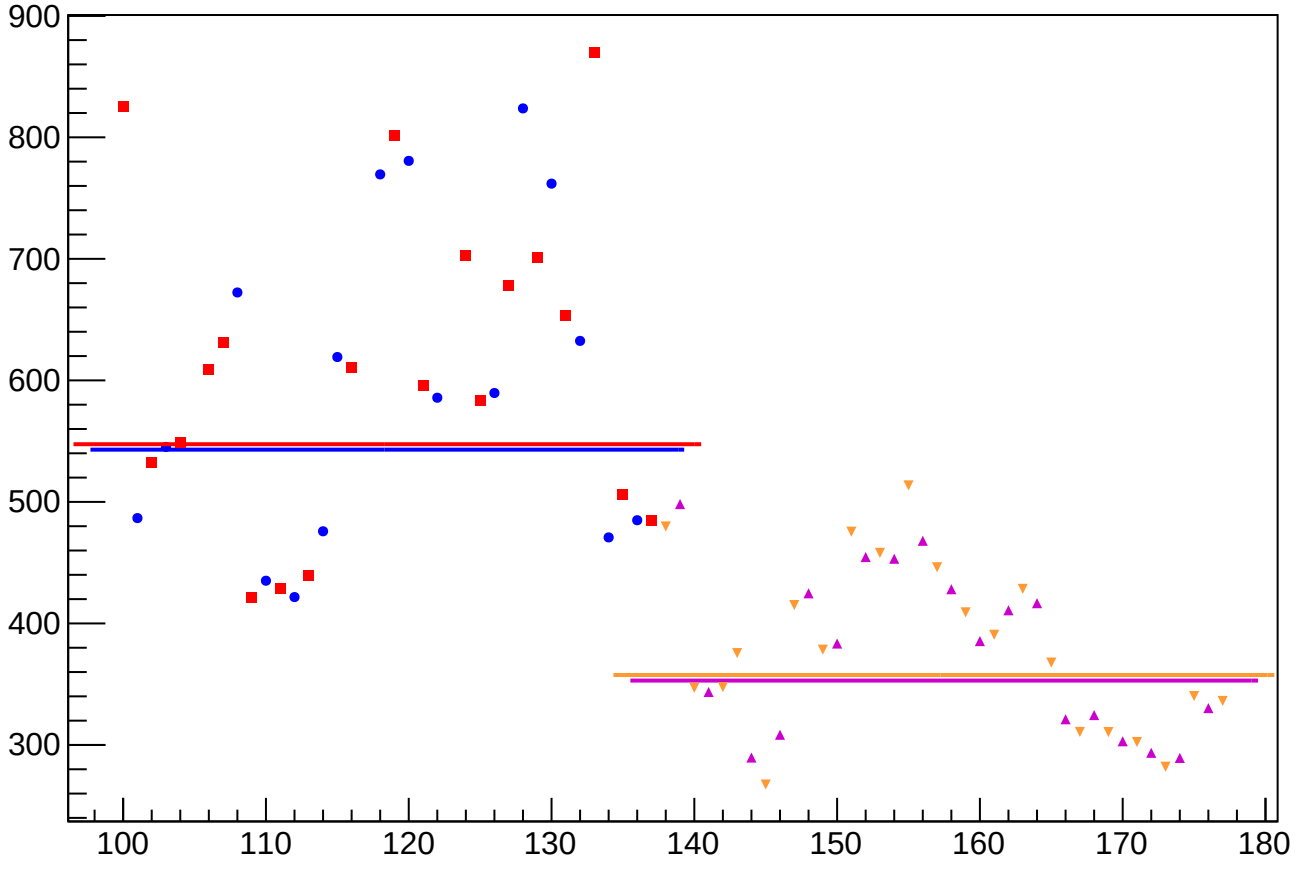
Right: -84.807+/-146.040 χ^2/NDF: 37.1/34

In: -6.722+/-83.521 χ^2/NDF:43.8/34

Out: 376.488+/-81.893 χ^2/NDF:78.9/39

All: 188.654+/-58.474 χ^2/NDF: 133.4/74

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 357.567+/-0.063 χ^2/NDF:1056988.0/20

Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 352.978+/-0.065 χ^2/NDF:943224.1/18

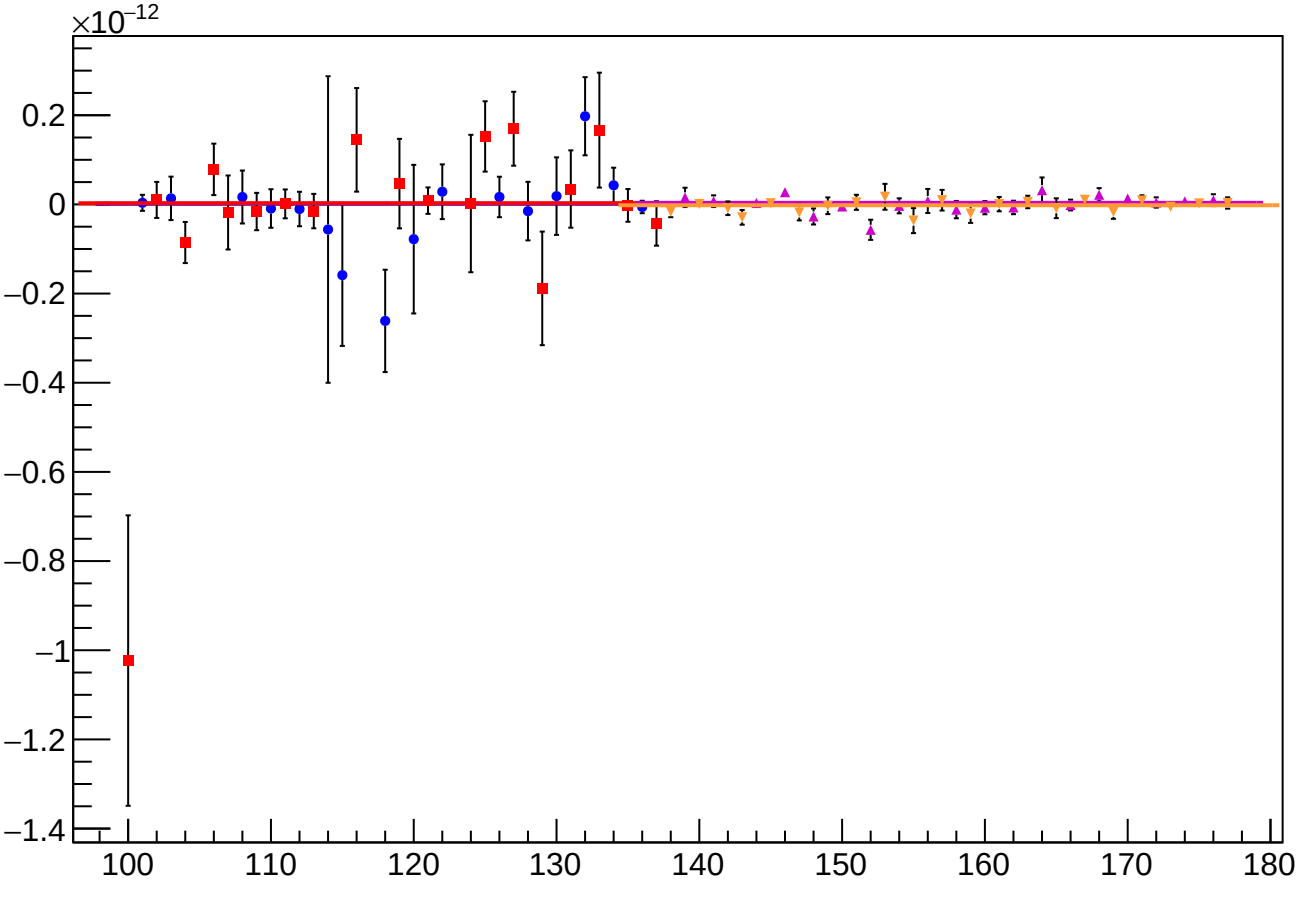
Left: 355.322+/-0.045 χ^2/NDF: 2002796.7/39

Right: 545.252+/-0.103 χ^2/NDF: 1236002.5/34

In: 383.766+/-0.059 χ^2/NDF:2954052.7/34

Out: 387.699+/-0.058 χ^2/NDF:3122926.2/39

All: 385.771+/-0.041 χ^2/NDF: 6079239.9/74



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

Left Out: -0.000+/-0.000 χ^2/NDF:12.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/18

Left In: 0.000+/-0.000 χ^2/NDF:21.6/18

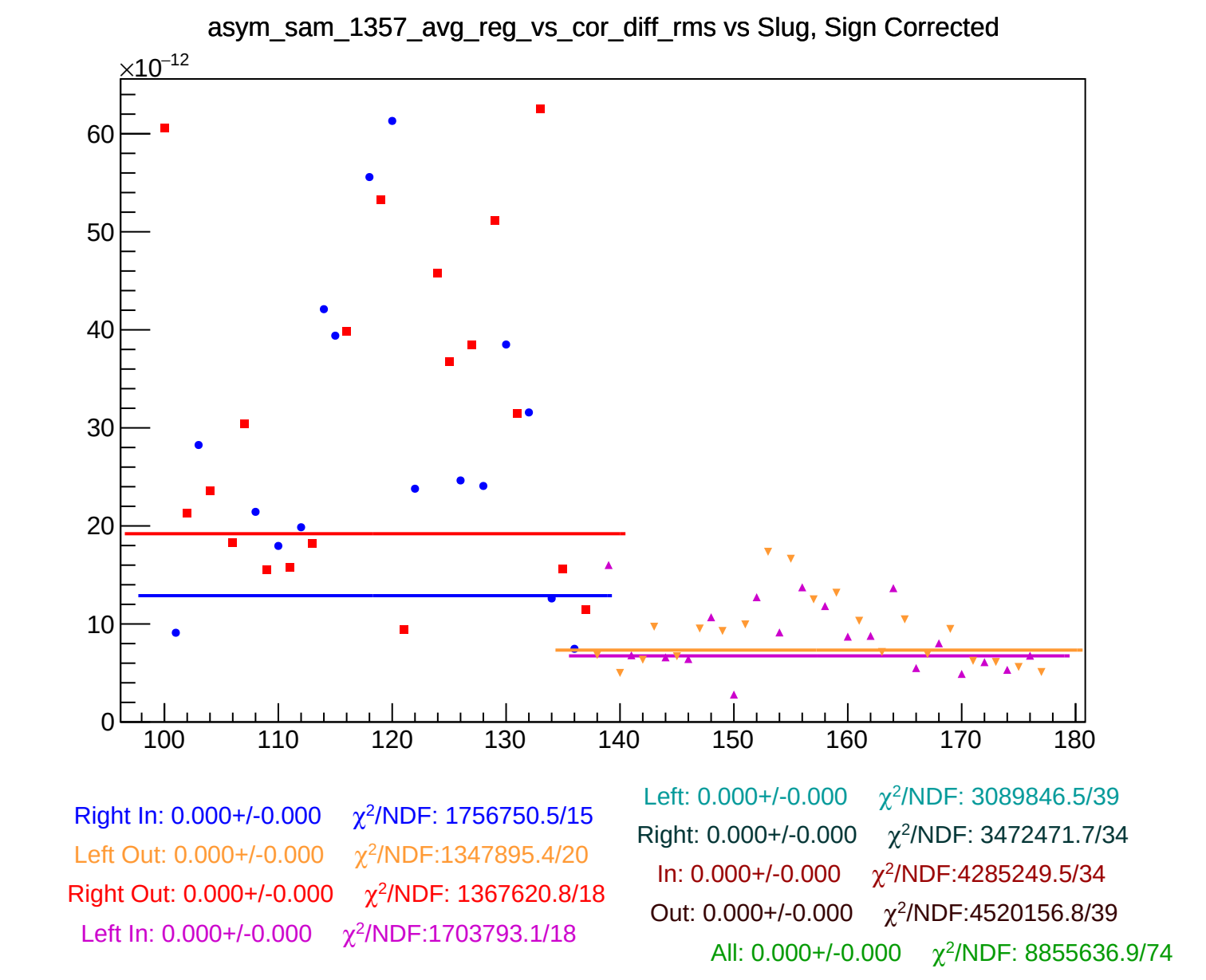
Left: 0.000+/-0.000 χ^2/NDF: 35.5/39

Right: 0.000+/-0.000 χ^2/NDF: 43.7/34

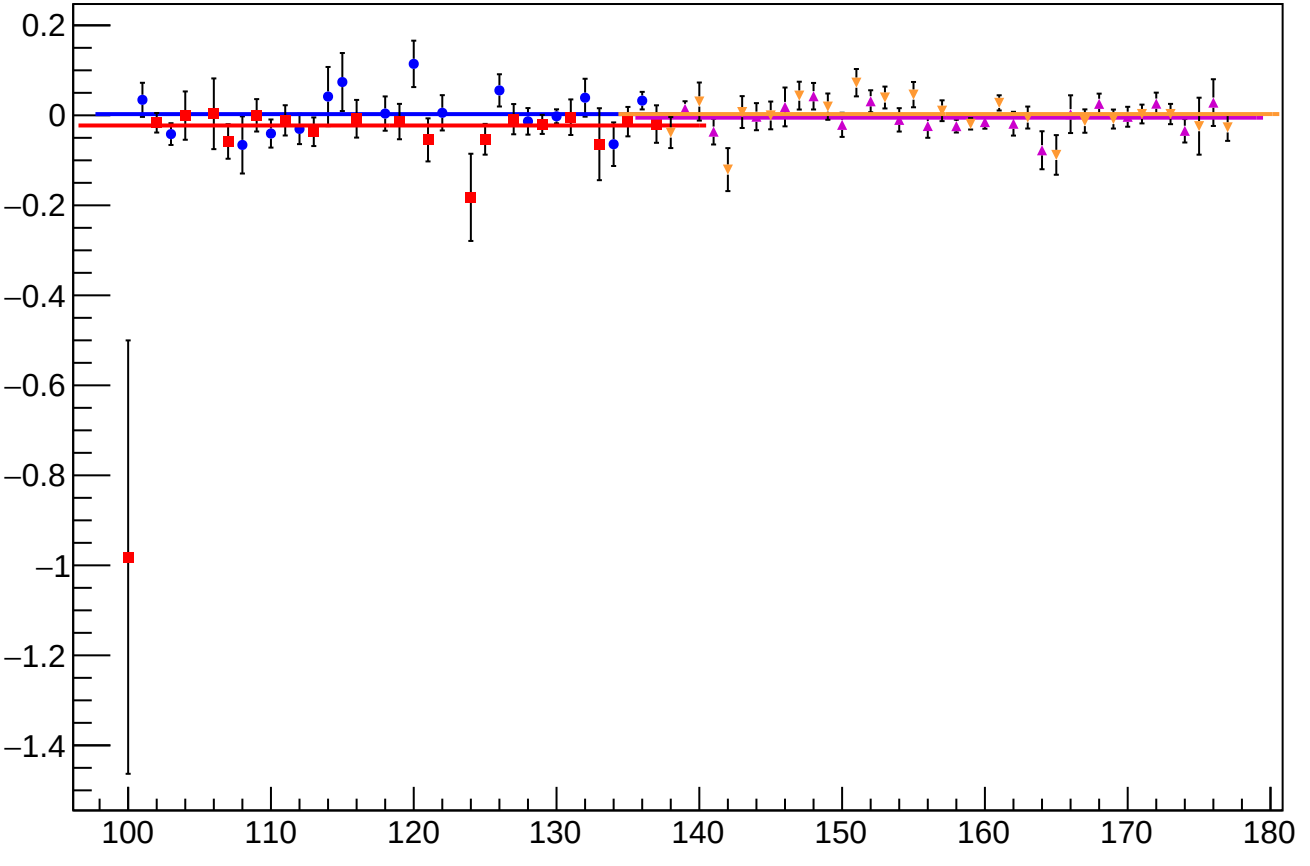
In: 0.000+/-0.000 χ^2/NDF:35.2/34

Out: -0.000+/-0.000 χ^2/NDF:42.5/39

All: 0.000+/-0.000 χ^2/NDF: 79.1/74


asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1756750.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1347895.4/20
Right Out: 0.000+/-0.000 χ²/NDF: 1367620.8/18
Left In: 0.000+/-0.000 χ²/NDF:1703793.1/18
Left: 0.000+/-0.000 χ²/NDF: 3089846.5/39
Right: 0.000+/-0.000 χ²/NDF: 3472471.7/34
In: 0.000+/-0.000 χ²/NDF:4285249.5/34
Out: 0.000+/-0.000 χ²/NDF:4520156.8/39
All: 0.000+/-0.000 χ²/NDF: 8855636.9/74

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.005 χ^2/NDF:31.9/20

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.005+/-0.005 χ^2/NDF:19.1/18

Left: -0.001+/-0.004 χ^2/NDF: 52.1/39

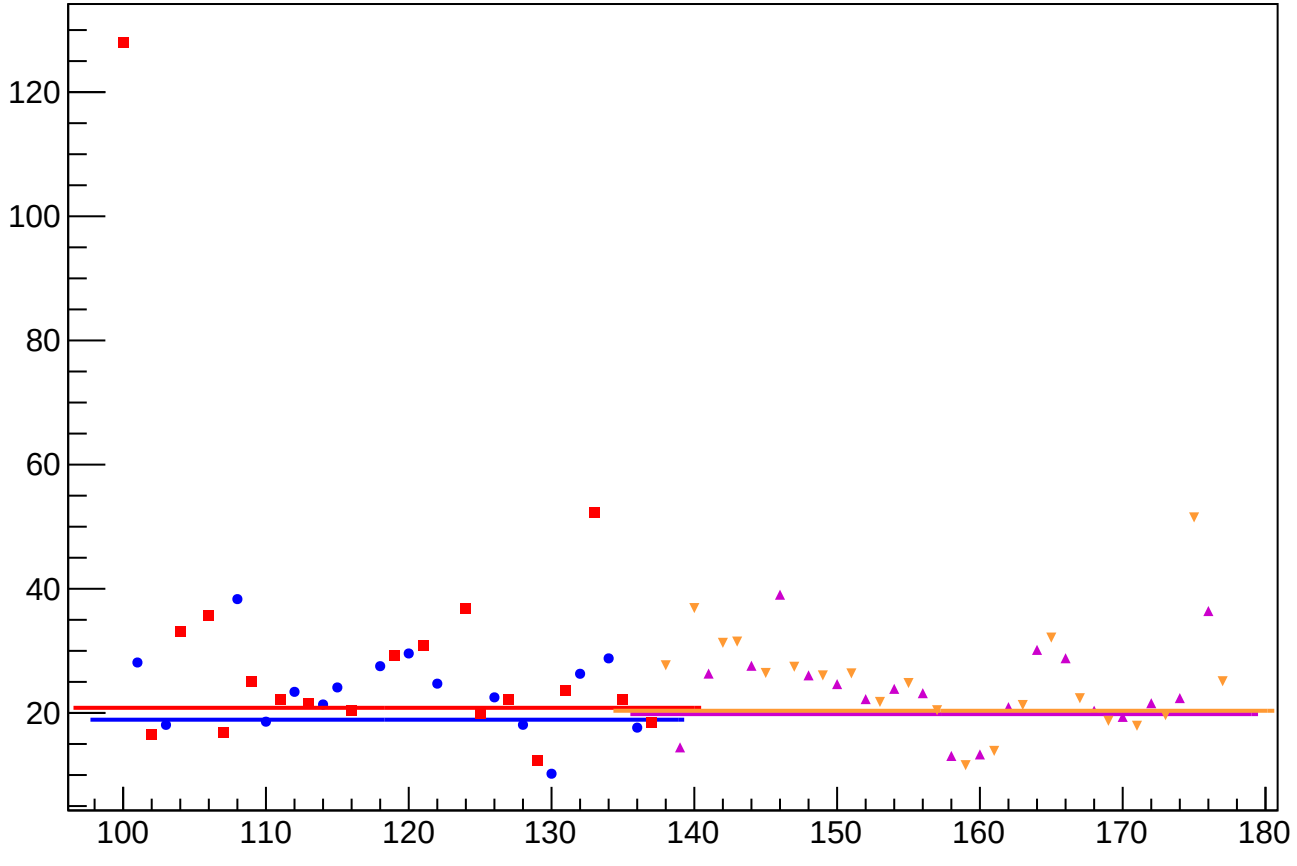
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.003+/-0.004 χ^2/NDF:41.8/34

Out: -0.005+/-0.005 χ^2/NDF:49.0/39

All: -0.004+/-0.003 χ^2/NDF: 90.9/74

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: 20.350+/-0.004 χ^2/NDF:3079226.6/20

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 19.808+/-0.004 χ^2/NDF:2377020.0/18

Left: 20.079+/-0.003 χ^2/NDF: 5465964.7/39

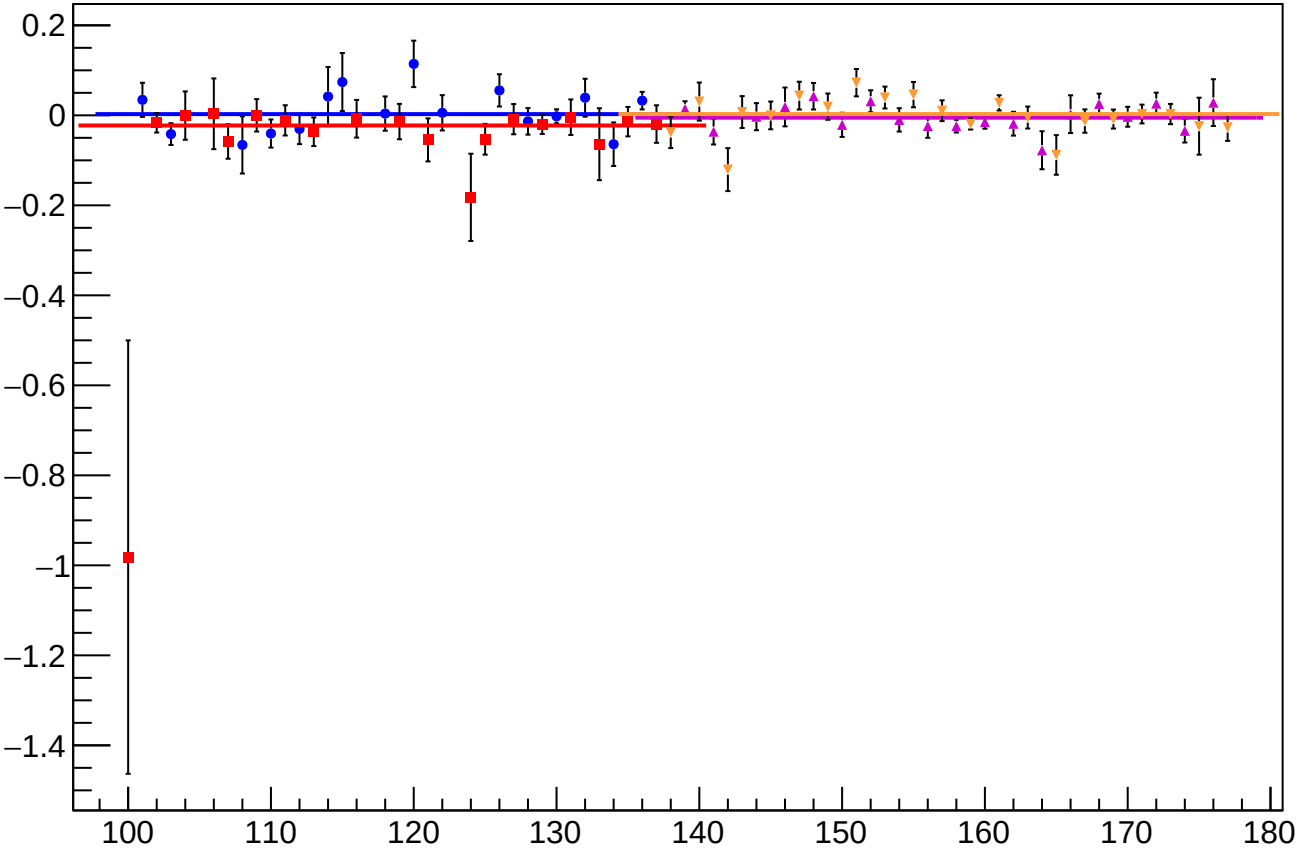
Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.511+/-0.003 χ^2/NDF:3785032.1/34

Out: 20.492+/-0.003 χ^2/NDF:4375229.7/39

All: 19.989+/-0.002 χ^2/NDF: 8206726.2/74

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.005 χ^2/NDF:31.9/20

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.005+/-0.005 χ^2/NDF:19.1/18

Left: -0.001+/-0.004 χ^2/NDF: 52.1/39

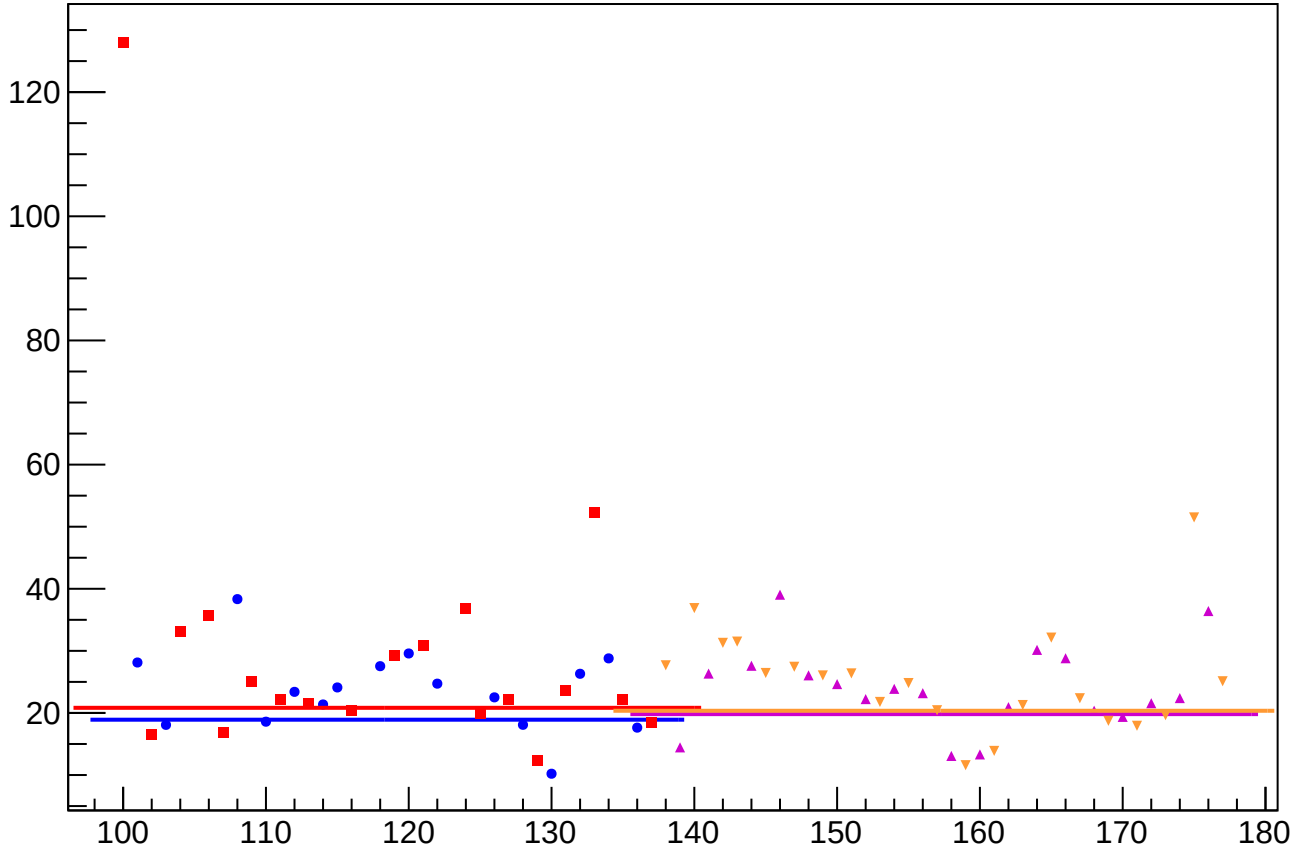
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.003+/-0.004 χ^2/NDF:41.8/34

Out: -0.005+/-0.005 χ^2/NDF:49.0/39

All: -0.004+/-0.003 χ^2/NDF: 90.9/74

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: 20.350+/-0.004 χ^2/NDF:3079226.6/20

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 19.808+/-0.004 χ^2/NDF:2377020.0/18

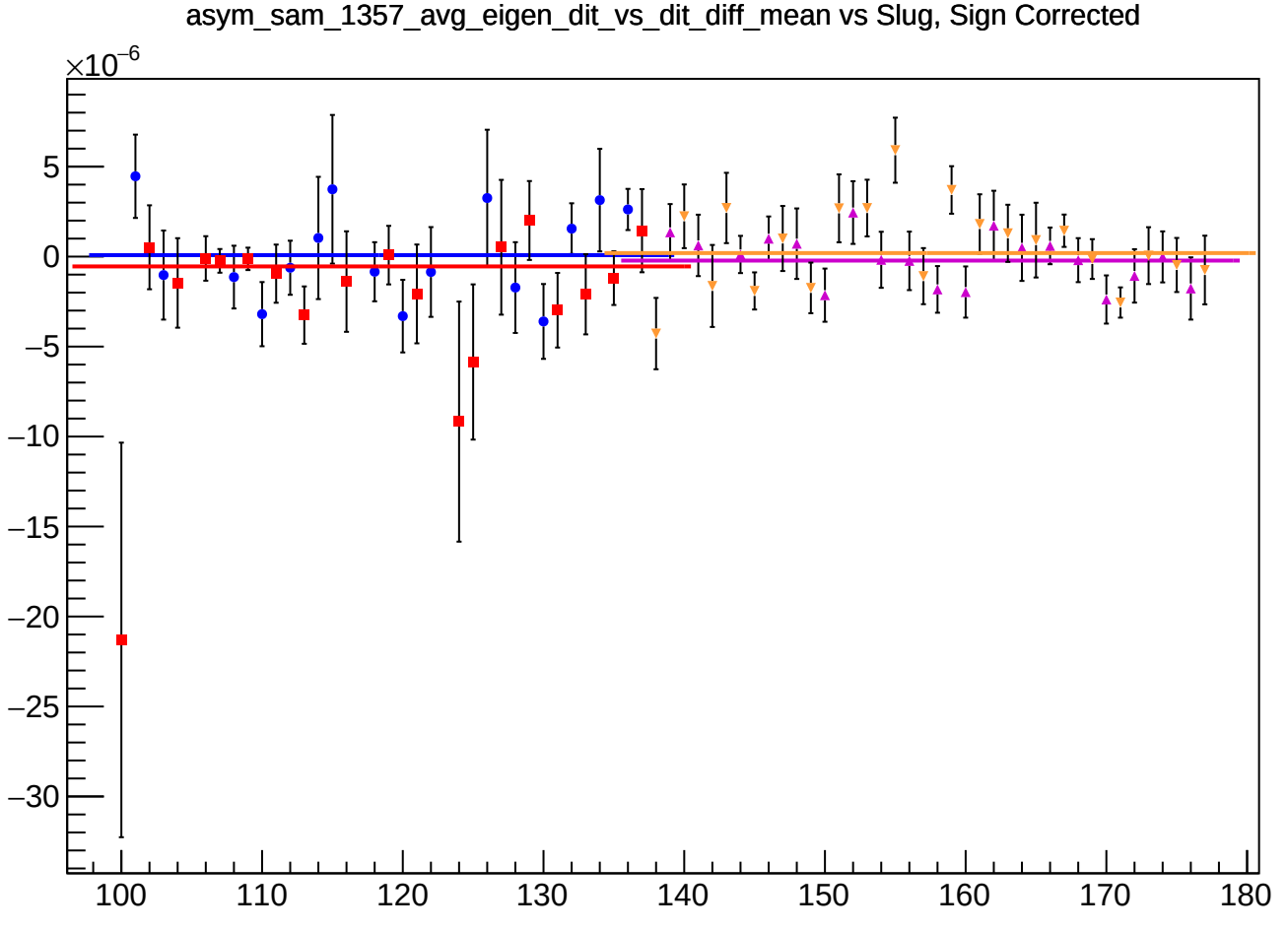
Left: 20.079+/-0.003 χ^2/NDF: 5465964.7/39

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.511+/-0.003 χ^2/NDF:3785032.1/34

Out: 20.492+/-0.003 χ^2/NDF:4375229.7/39

All: 19.989+/-0.002 χ^2/NDF: 8206726.2/74



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:51.6/20

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:15.2/18

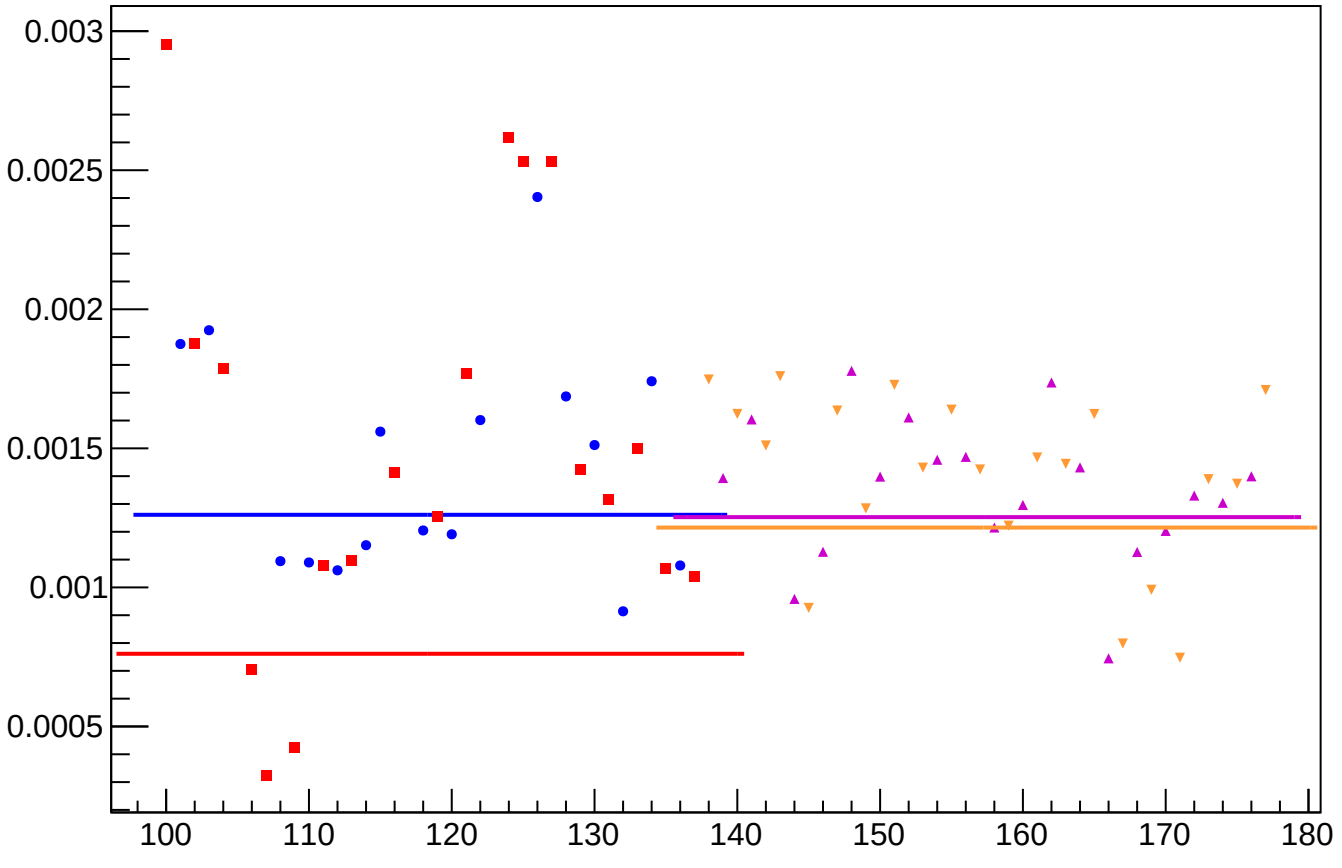
Left: -0.000+/-0.000 χ^2/NDF: 67.7/39

Right: -0.000+/-0.000 χ^2/NDF: 40.3/34

In: -0.000+/-0.000 χ^2/NDF:39.0/34

Out: -0.000+/-0.000 χ^2/NDF:69.9/39

All: -0.000+/-0.000 χ^2/NDF: 108.9/74



Right In: 0.001+/-0.000 χ^2/NDF: 907342.5/15

Left Out: 0.001+/-0.000 χ^2/NDF:2518808.9/20

Right Out: 0.001+/-0.000 χ^2/NDF: 4672607.8/18

Left In: 0.001+/-0.000 χ^2/NDF:1291457.3/18

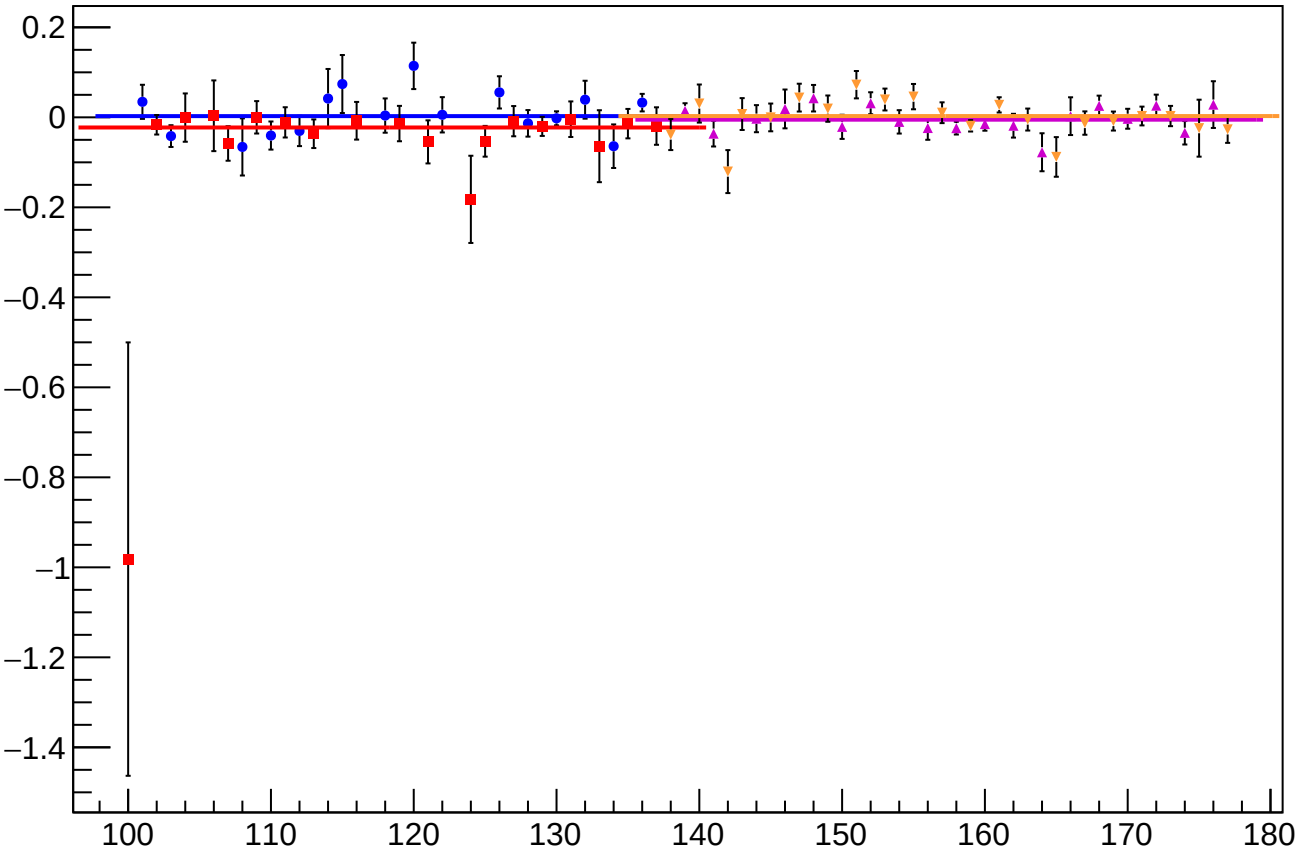
Left: 0.001+/-0.000 χ^2/NDF: 3824086.8/39

Right: 0.001+/-0.000 χ^2/NDF: 6998069.8/34

In: 0.001+/-0.000 χ^2/NDF:2199203.6/34

Out: 0.001+/-0.000 χ^2/NDF:9141647.9/39

All: 0.001+/-0.000 χ^2/NDF: 12313785.9/74



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.005 χ^2/NDF:31.9/20

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.005+/-0.005 χ^2/NDF:19.1/18

Left: -0.001+/-0.004 χ^2/NDF: 52.1/39

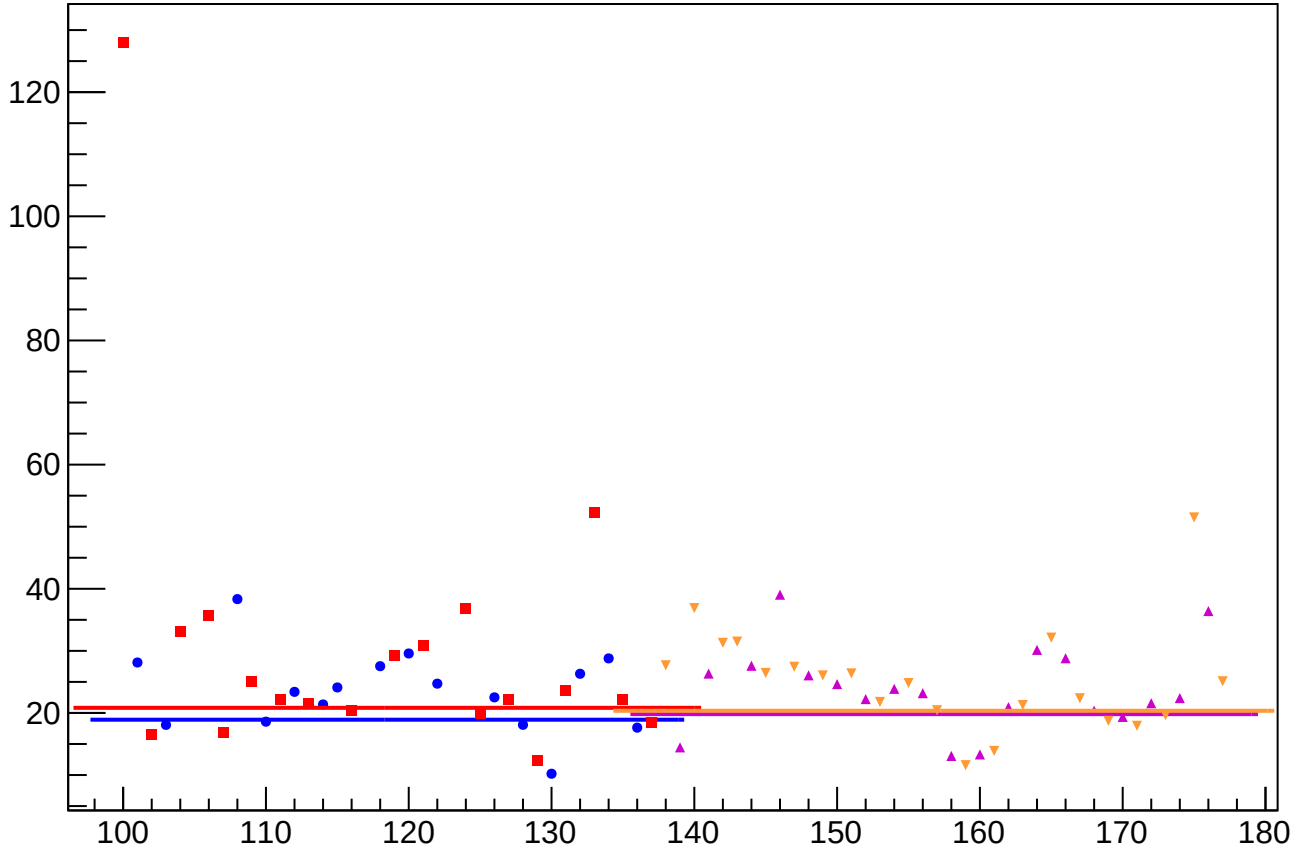
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.003+/-0.004 χ^2/NDF:41.8/34

Out: -0.005+/-0.005 χ^2/NDF:49.0/39

All: -0.004+/-0.003 χ^2/NDF: 90.9/74

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: 20.350+/-0.004 χ^2/NDF:3079389.7/20

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 19.809+/-0.004 χ^2/NDF:2377092.4/18

Left: 20.080+/-0.003 χ^2/NDF: 5466193.8/39

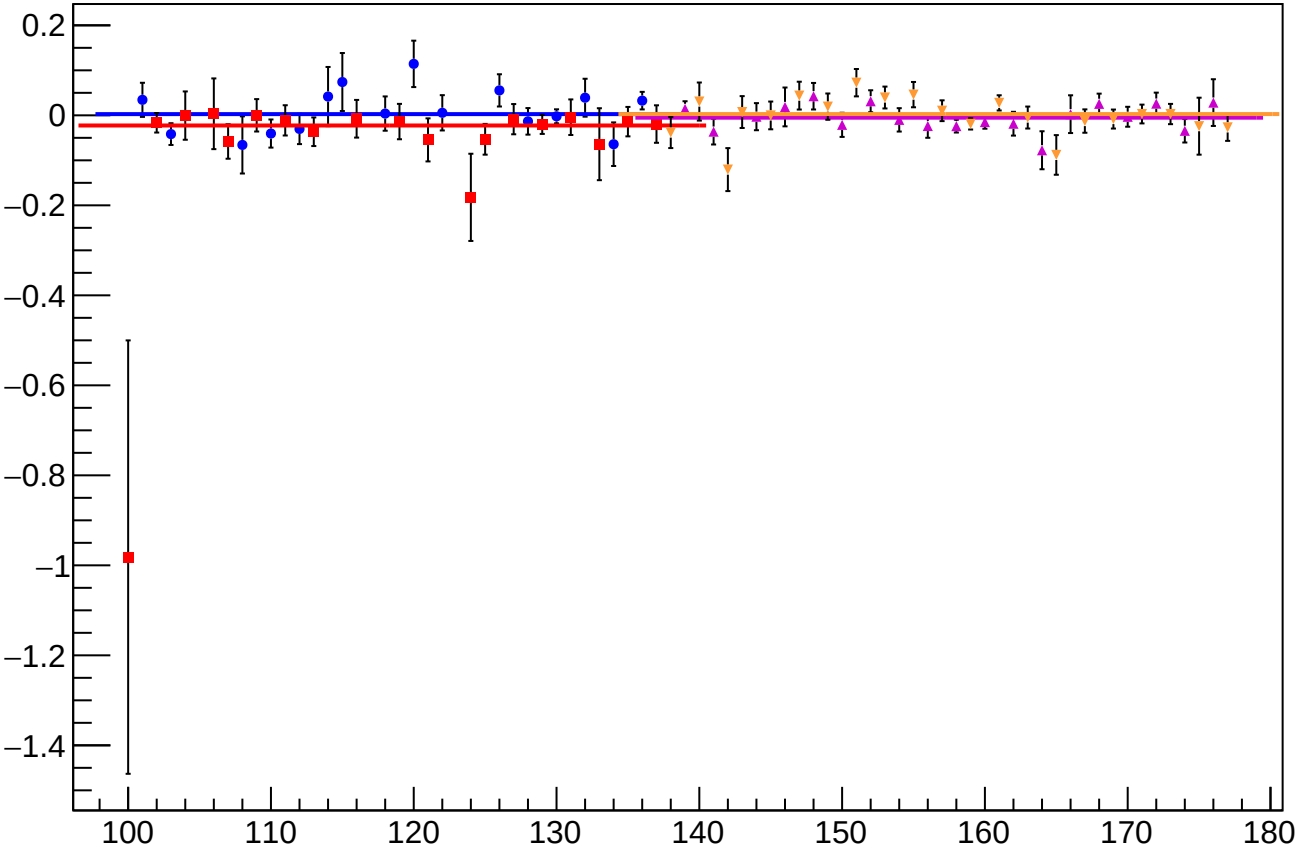
Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.511+/-0.003 χ^2/NDF:3784980.6/34

Out: 20.492+/-0.003 χ^2/NDF:4375392.2/39

All: 19.990+/-0.002 χ^2/NDF: 8206818.3/74

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:31.9/20

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.005+/-0.005 χ^2/NDF:19.1/18

Left: -0.001+/-0.004 χ^2/NDF: 52.1/39

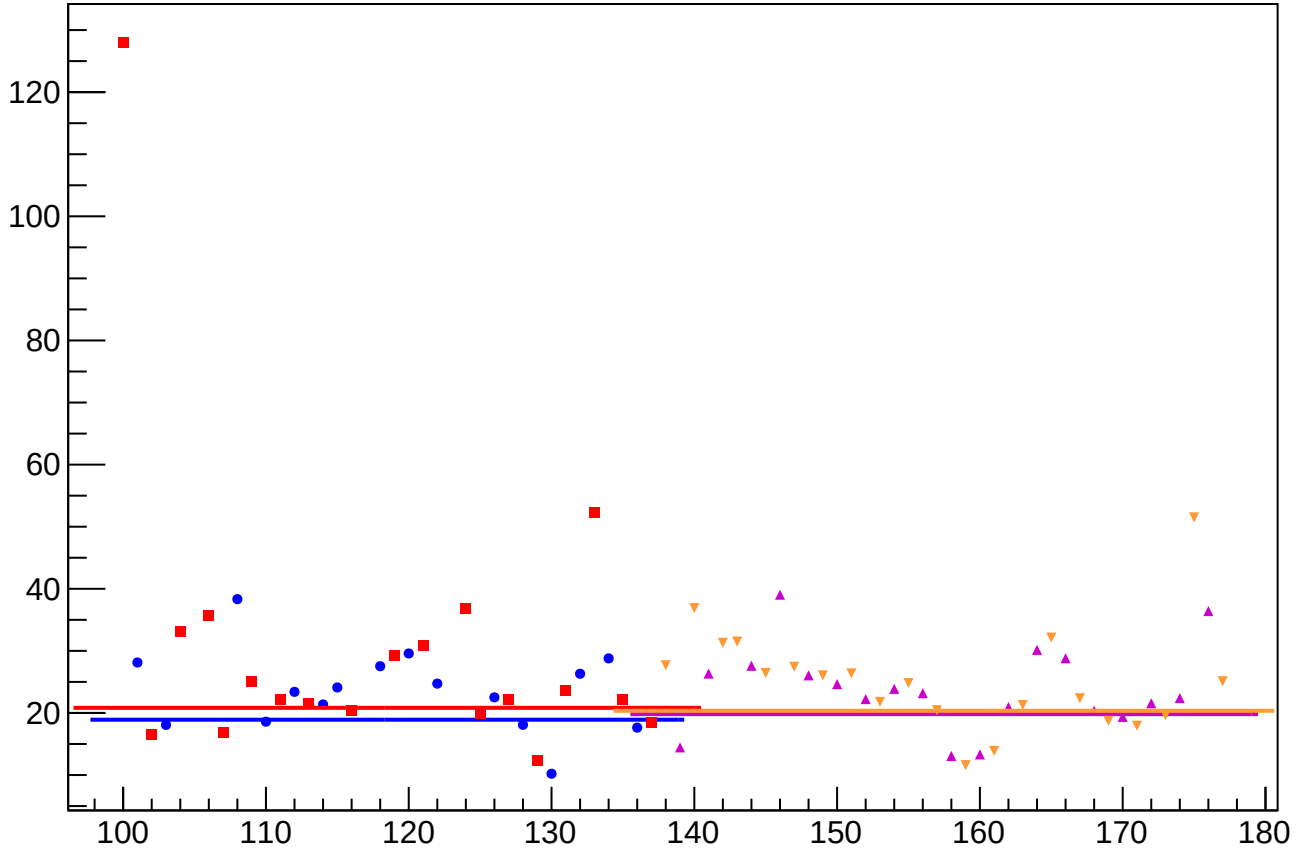
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.003+/-0.004 χ^2/NDF:41.8/34

Out: -0.005+/-0.005 χ^2/NDF:49.0/39

All: -0.004+/-0.003 χ^2/NDF: 90.9/74

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: 20.350+/-0.004 χ^2/NDF:3079389.7/20

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 19.809+/-0.004 χ^2/NDF:2377092.4/18

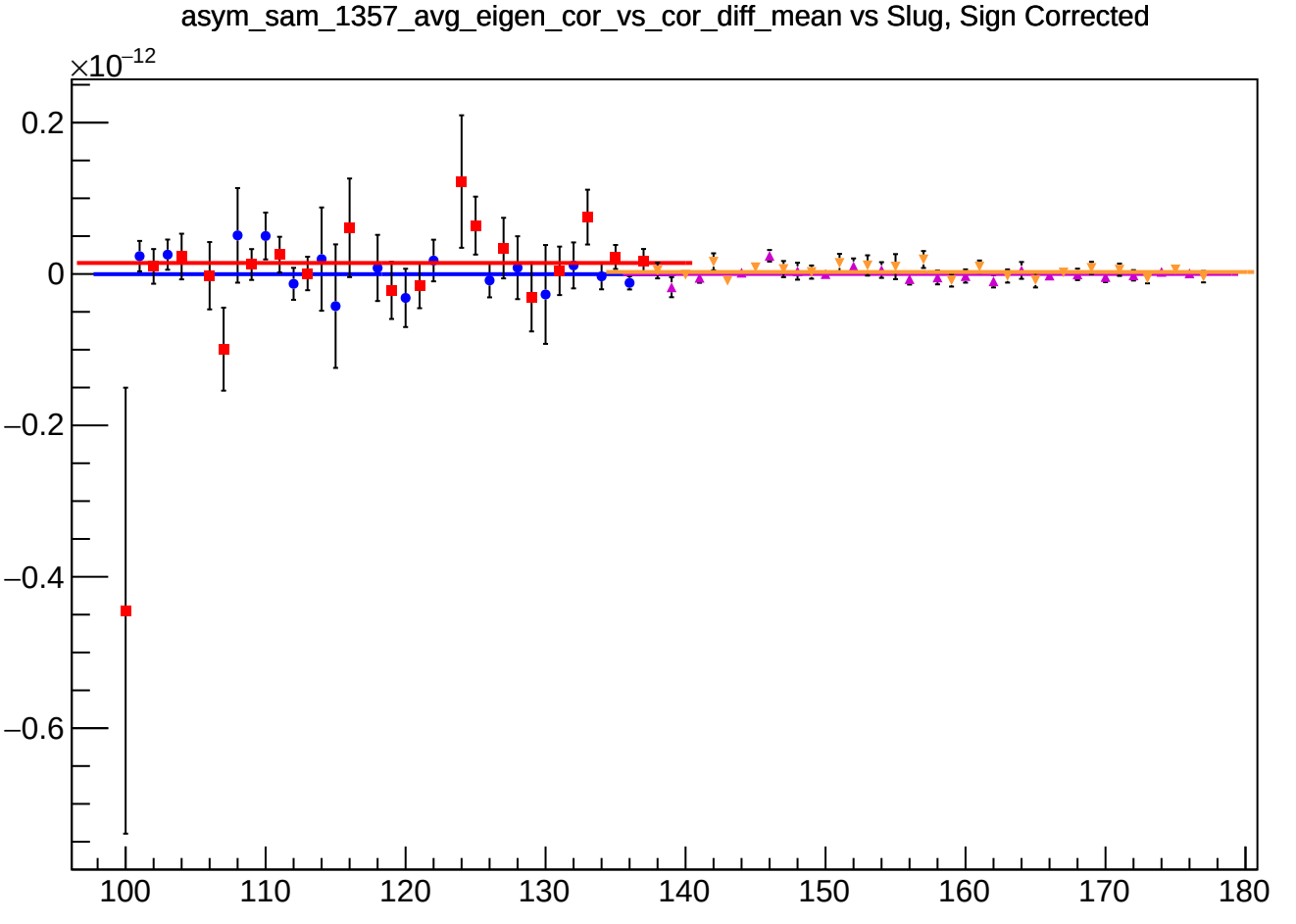
Left: 20.080+/-0.003 χ^2/NDF: 5466193.8/39

Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.511+/-0.003 χ^2/NDF:3784980.6/34

Out: 20.492+/-0.003 χ^2/NDF:4375392.2/39

All: 19.990+/-0.002 χ^2/NDF: 8206818.3/74



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: 0.000+/-0.000 χ^2/NDF:17.1/18

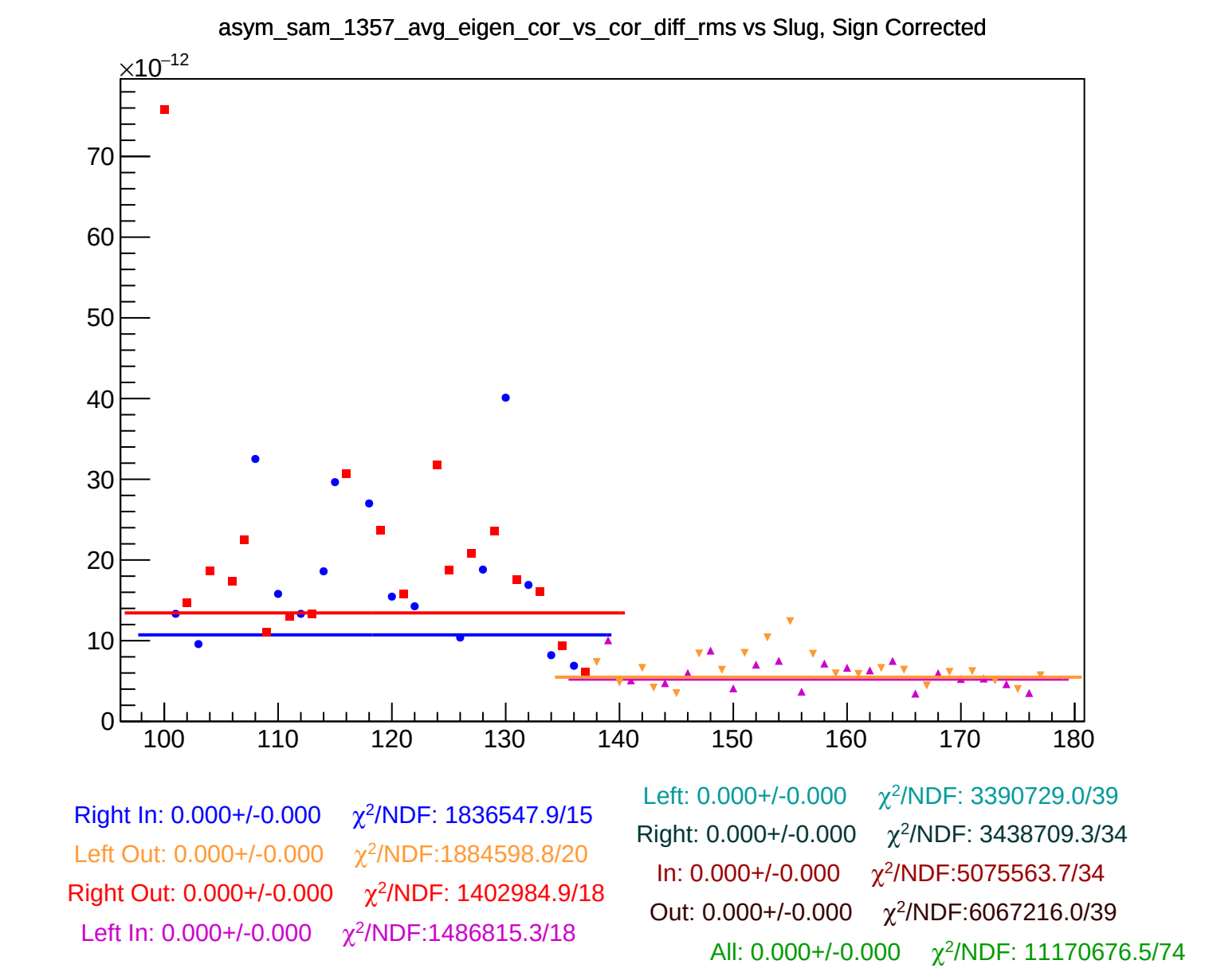
Left: 0.000+/-0.000 χ^2/NDF: 36.1/39

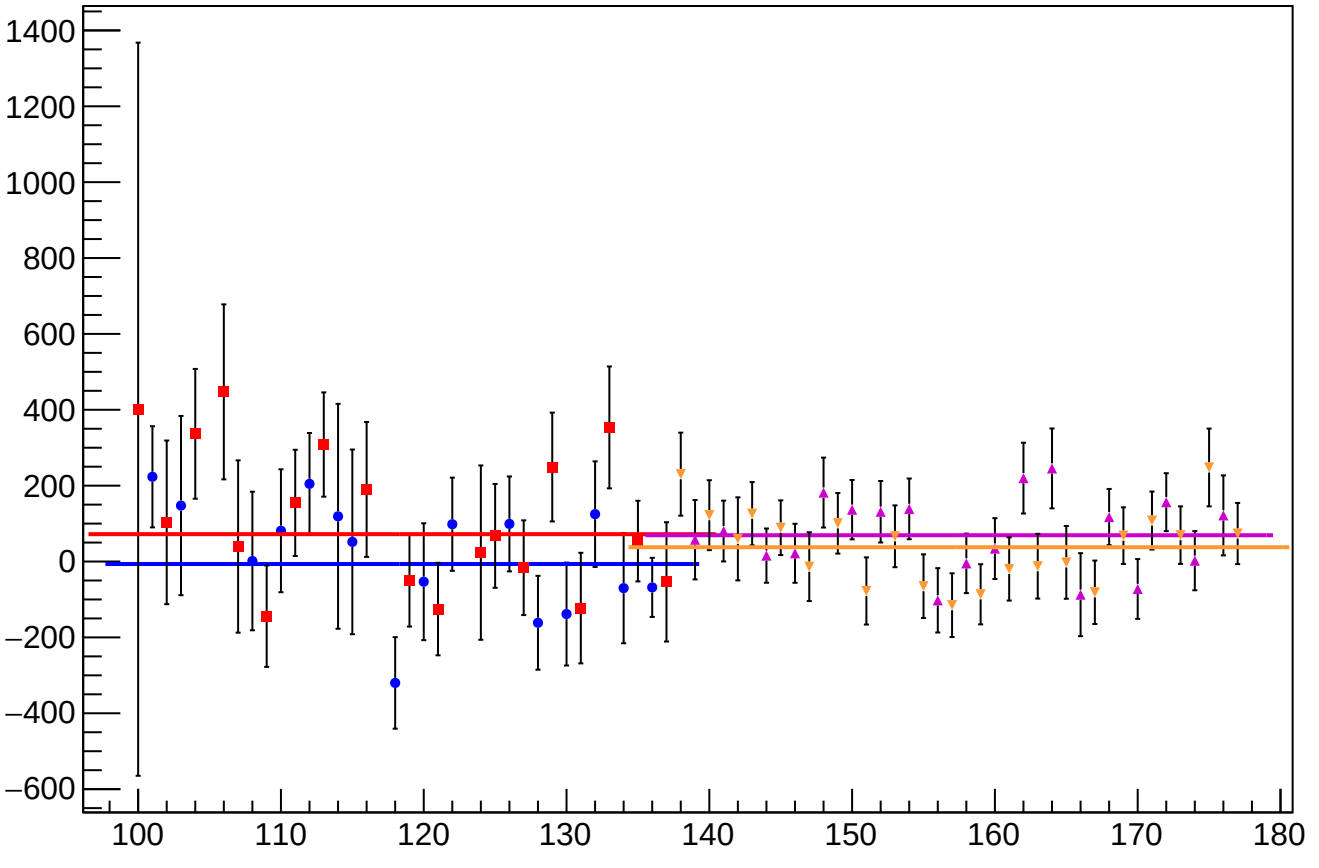
Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:27.6/34

Out: 0.000+/-0.000 χ^2/NDF:38.6/39

All: 0.000+/-0.000 χ^2/NDF: 68.4/74


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:1884598.8/20
Right Out: 0.000+/-0.000 χ²/NDF: 1402984.9/18
Left In: 0.000+/-0.000 χ²/NDF:1486815.3/18
Left: 0.000+/-0.000 χ²/NDF: 3390729.0/39
Right: 0.000+/-0.000 χ²/NDF: 3438709.3/34
In: 0.000+/-0.000 χ²/NDF:5075563.7/34
Out: 0.000+/-0.000 χ²/NDF:6067216.0/39
All: 0.000+/-0.000 χ²/NDF: 11170676.5/74



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 37.713+/-18.483 χ^2/NDF:24.2/20

Right Out: 72.124+/-34.883 χ^2/NDF: 22.8/18

Left In: 69.331+/-19.199 χ^2/NDF:23.1/18

Left: 52.921+/-13.315 χ^2/NDF: 48.8/39

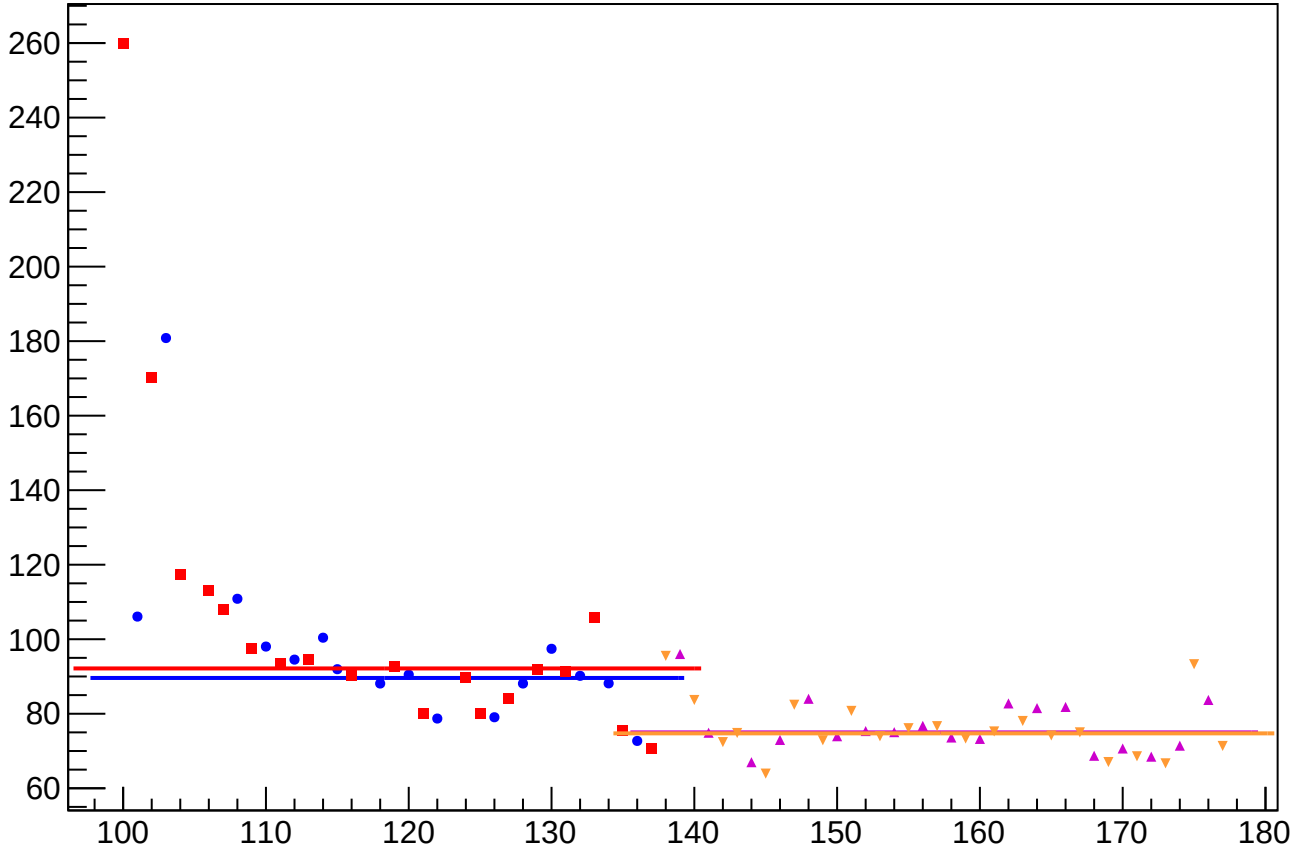
Right: 32.104+/-24.452 χ^2/NDF: 44.3/34

In: 51.215+/-16.752 χ^2/NDF:45.8/34

Out: 45.256+/-16.332 χ^2/NDF:47.8/39

All: 48.160+/-11.694 χ^2/NDF: 93.6/74

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 74.735+/-0.013 χ^2/NDF:293100.5/20

Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 75.002+/-0.014 χ^2/NDF:211318.7/18

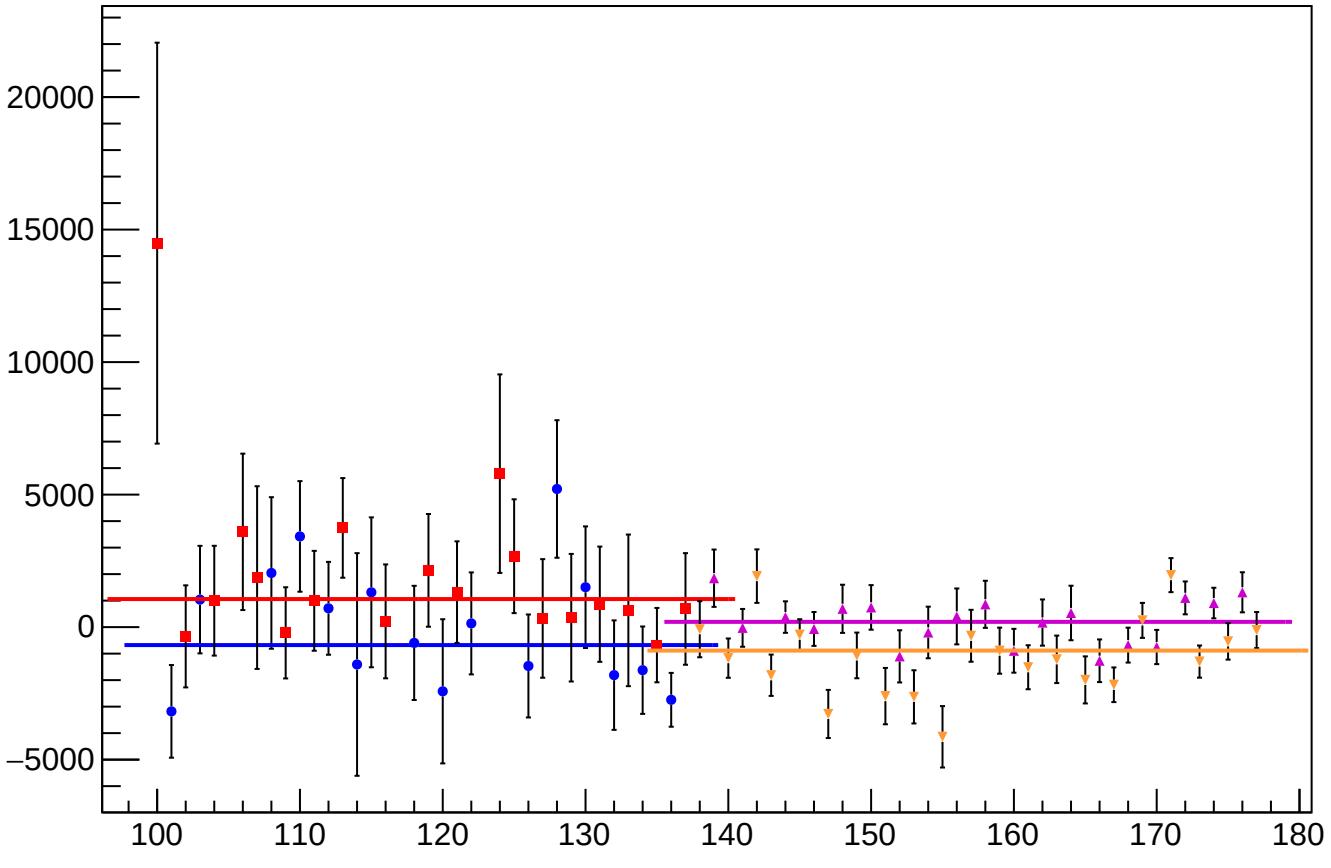
Left: 74.863+/-0.009 χ^2/NDF: 504620.1/39

Right: 90.860+/-0.017 χ^2/NDF: 1045922.9/34

In: 78.488+/-0.012 χ^2/NDF:985853.4/34

Out: 78.555+/-0.012 χ^2/NDF:1224894.3/39

All: 78.522+/-0.008 χ^2/NDF: 2210764.2/74



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -884.878+/-171.890 χ^2/NDF:62.6/20

Right Out: 1058.761+/-496.350 χ^2/NDF: 11.5/18

Left In: 198.901+/-175.945 χ^2/NDF:20.8/18

Left: -355.623+/-122.953 χ^2/NDF: 102.8/39

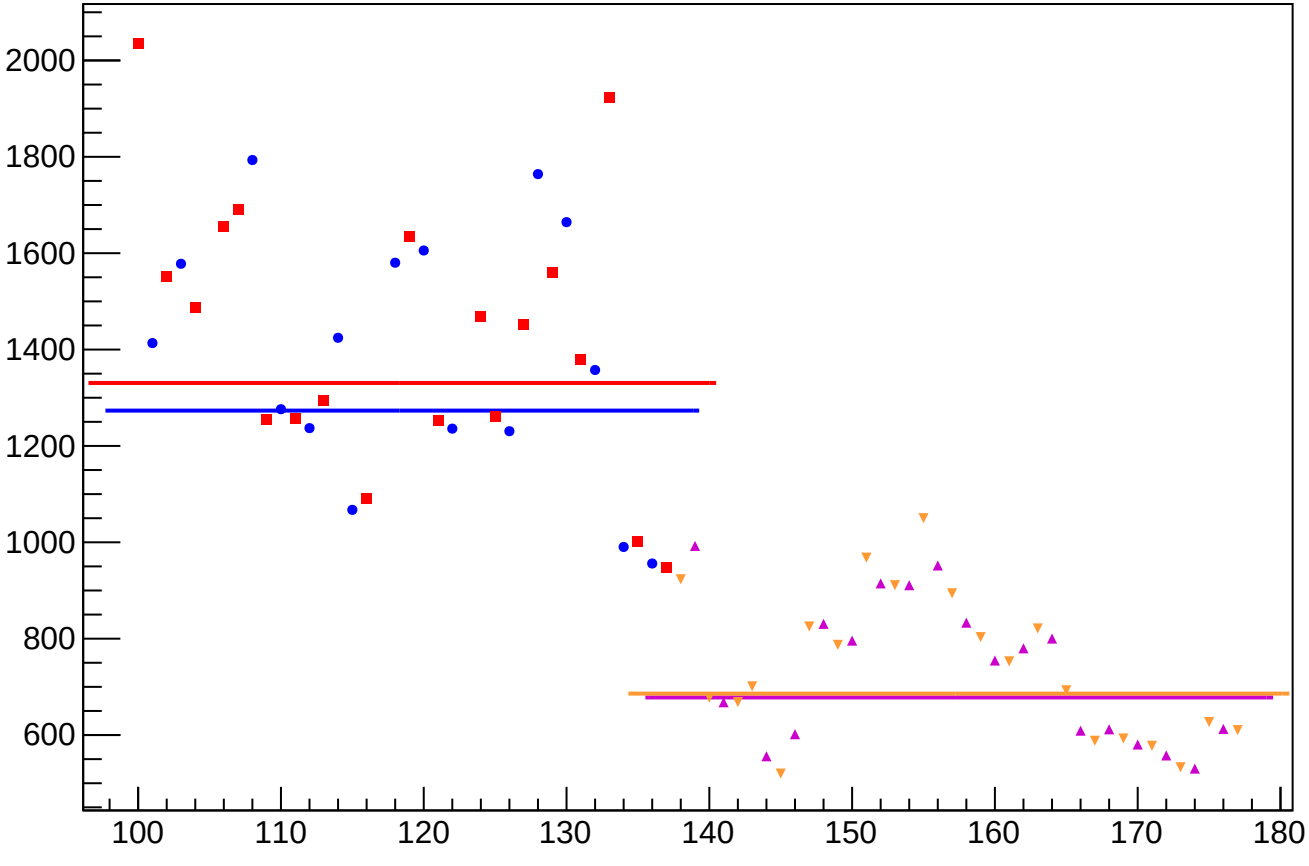
Right: 173.256+/-347.430 χ^2/NDF: 38.0/34

In: 97.538+/-165.456 χ^2/NDF:44.0/34

Out: -676.741+/-162.426 χ^2/NDF:87.7/39

All: -296.758+/-115.909 χ^2/NDF: 142.9/74

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: 686.006+/-0.122 χ^2/NDF:1271576.5/20

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

Left In: 678.035+/-0.124 χ^2/NDF:1178858.8/18

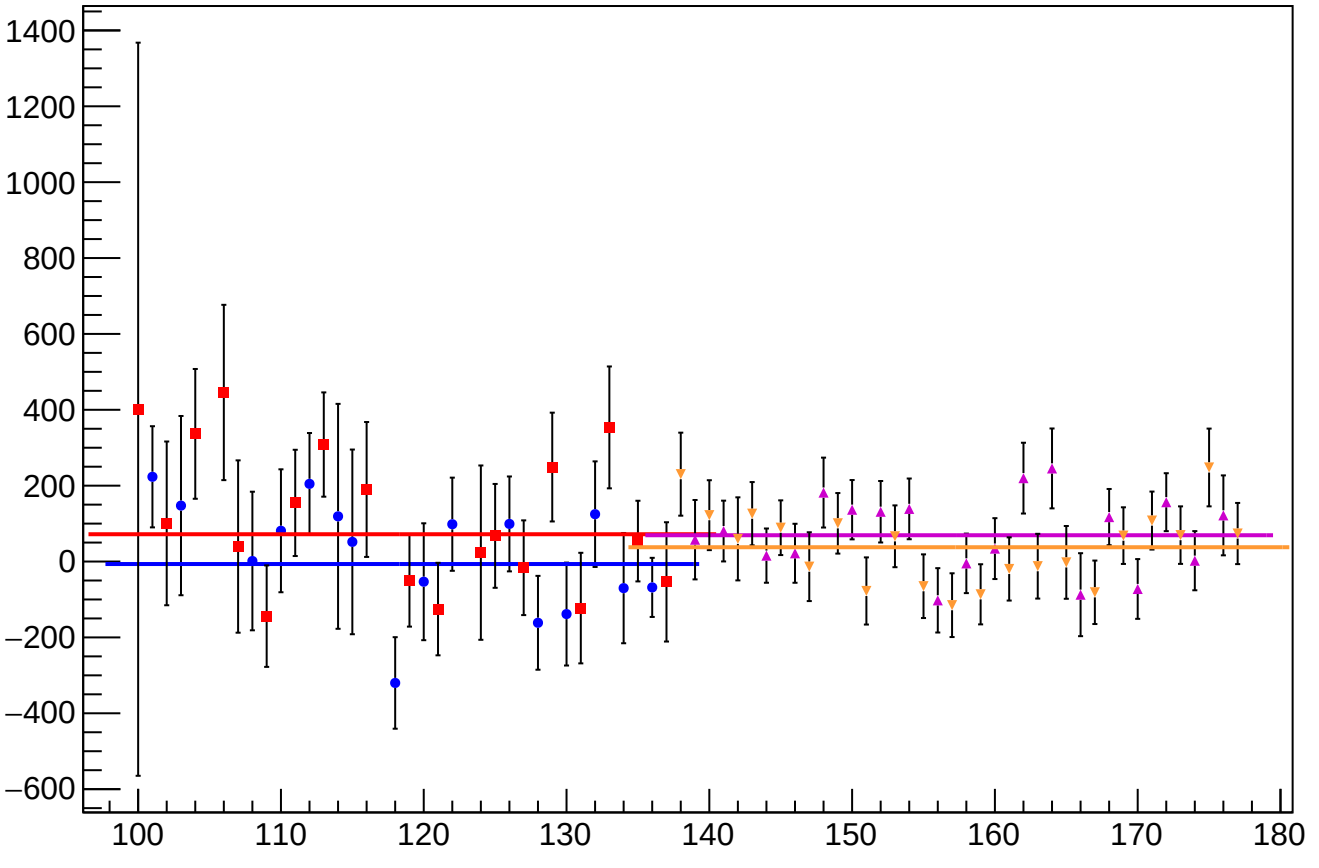
Left: 682.113+/-0.087 χ^2/NDF: 2452535.5/39

Right: 1301.428+/-0.246 χ^2/NDF: 1081847.0/34

In: 746.895+/-0.117 χ^2/NDF:4424687.0/34

Out: 755.042+/-0.115 χ^2/NDF:4754927.8/39

All: 751.044+/-0.082 χ^2/NDF: 9182084.1/74



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 37.717+/-18.483 χ^2/NDF:24.2/20

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 69.331+/-19.199 χ^2/NDF:23.1/18

Left: 52.923+/-13.315 χ^2/NDF: 48.8/39

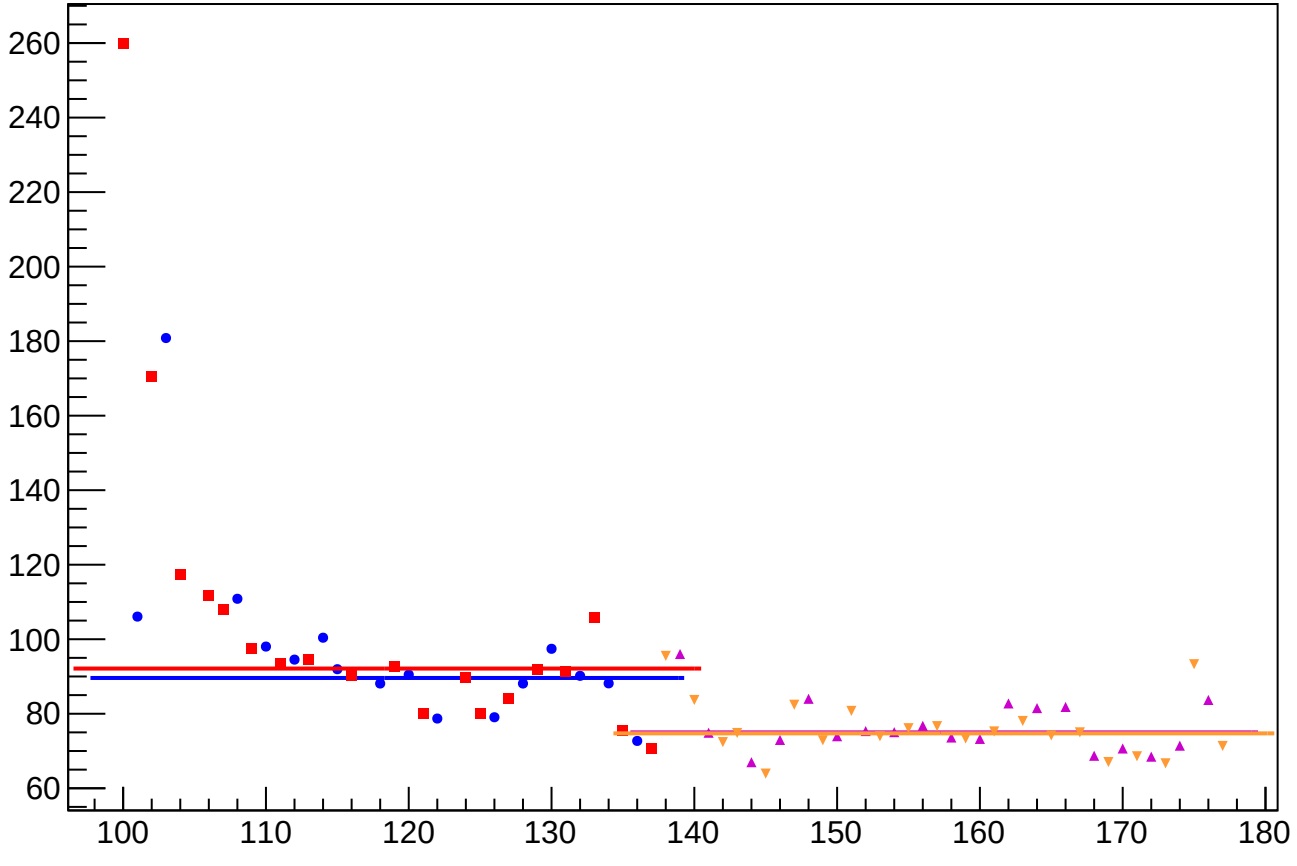
Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 51.213+/-16.752 χ^2/NDF:45.8/34

Out: 45.227+/-16.332 χ^2/NDF:47.7/39

All: 48.144+/-11.694 χ^2/NDF: 93.6/74

cor_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 74.735+/-0.013 χ^2/NDF:293100.5/20

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.002+/-0.014 χ^2/NDF:211318.7/18

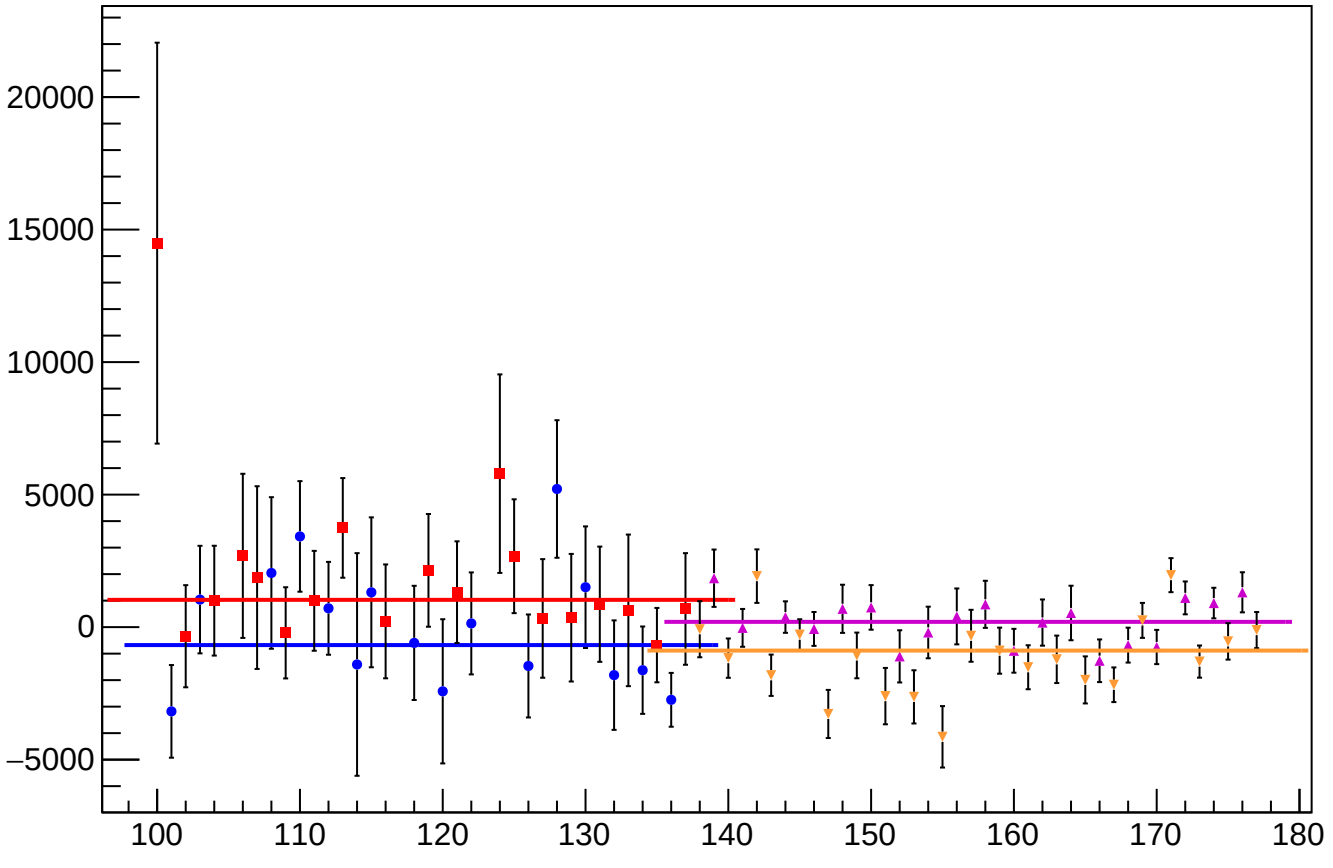
Left: 74.863+/-0.009 χ^2/NDF: 504620.1/39

Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 78.488+/-0.012 χ^2/NDF:985856.9/34

Out: 78.547+/-0.012 χ^2/NDF:1221674.4/39

All: 78.518+/-0.008 χ^2/NDF: 2207544.3/74



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -884.872+/-171.890 χ^2/NDF:62.6/20

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 198.903+/-175.945 χ^2/NDF:20.8/18

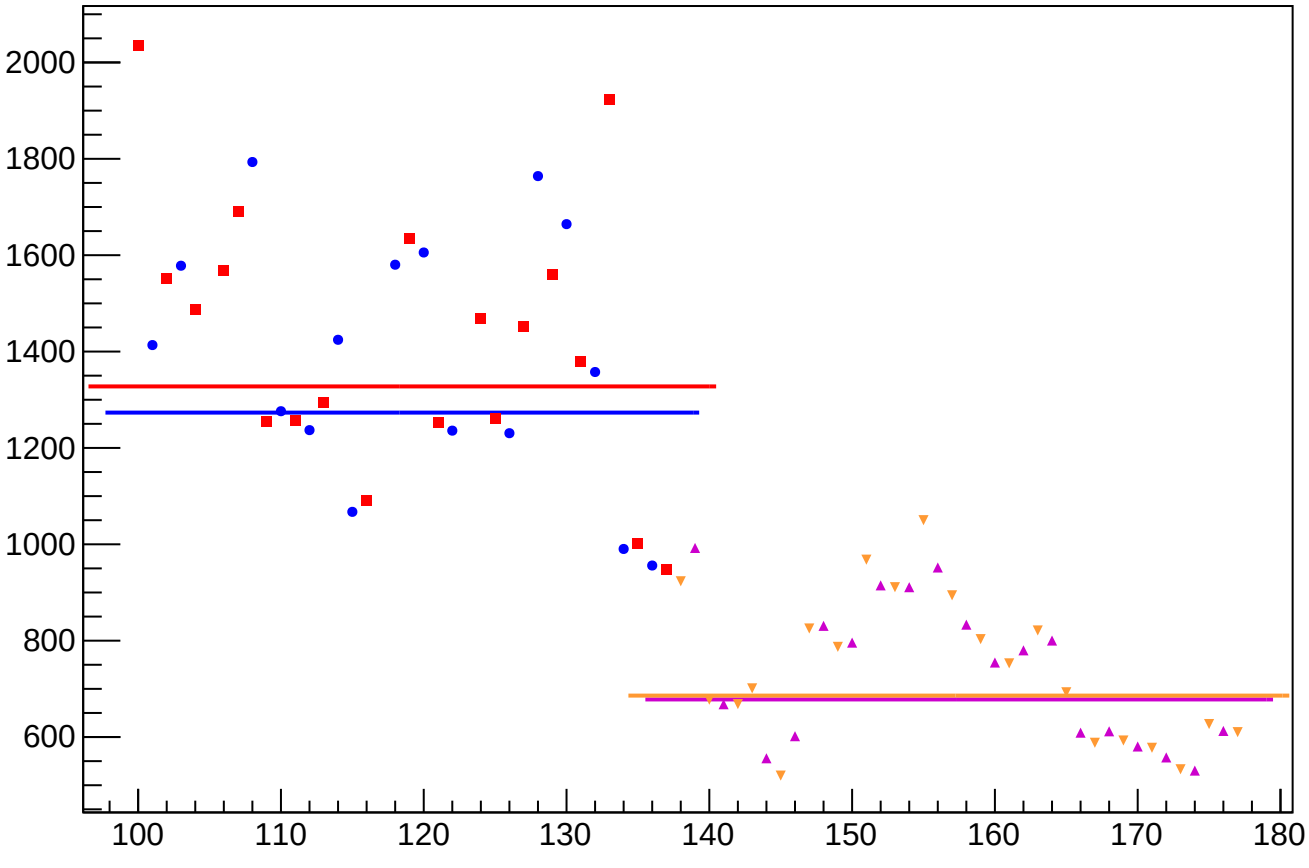
Left: -355.619+/-122.953 χ^2/NDF: 102.8/39

Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 97.544+/-165.457 χ^2/NDF:44.0/34

Out: -680.372+/-162.449 χ^2/NDF:86.8/39

All: -298.549+/-115.917 χ^2/NDF: 142.0/74



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 686.005+/-0.122 χ^2/NDF:1271580.5/20

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 678.035+/-0.124 χ^2/NDF:1178856.8/18

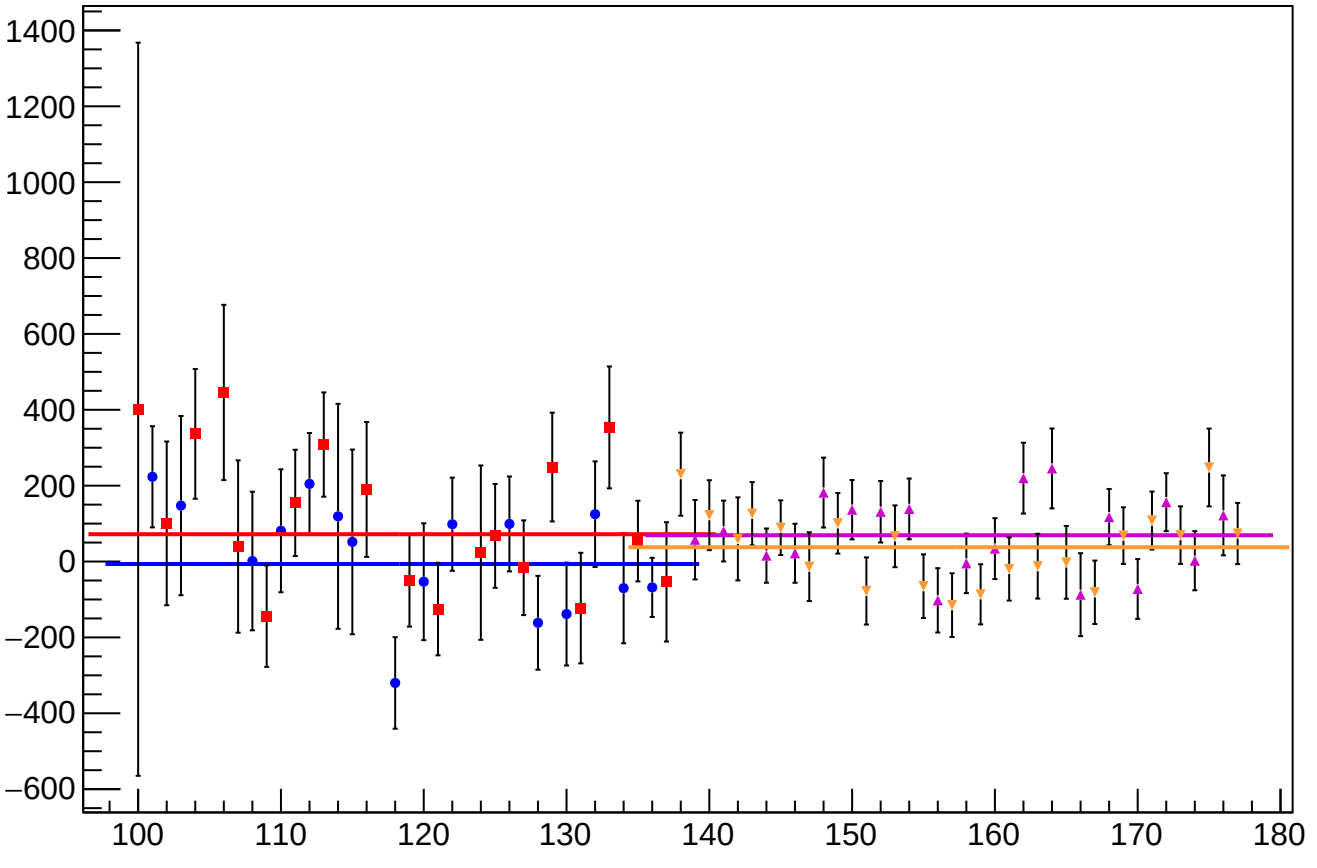
Left: 682.113+/-0.087 χ^2/NDF: 2452537.2/39

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 746.895+/-0.117 χ^2/NDF:4424722.5/34

Out: 754.553+/-0.115 χ^2/NDF:4707375.2/39

All: 750.794+/-0.082 χ^2/NDF: 9134279.2/74



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 37.717+/-18.483 χ^2/NDF:24.2/20

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 69.331+/-19.199 χ^2/NDF:23.1/18

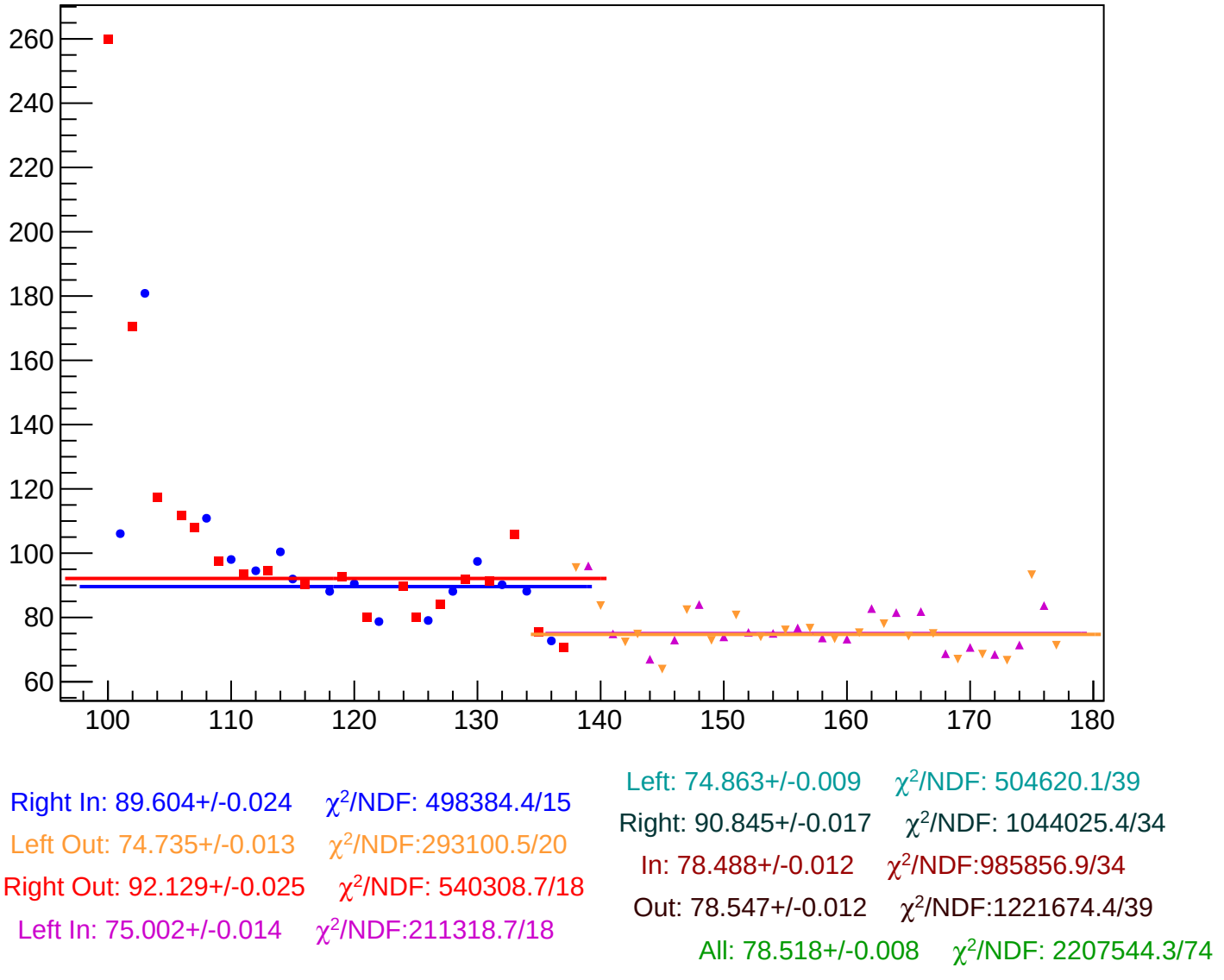
Left: 52.923+/-13.315 χ^2/NDF: 48.8/39

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

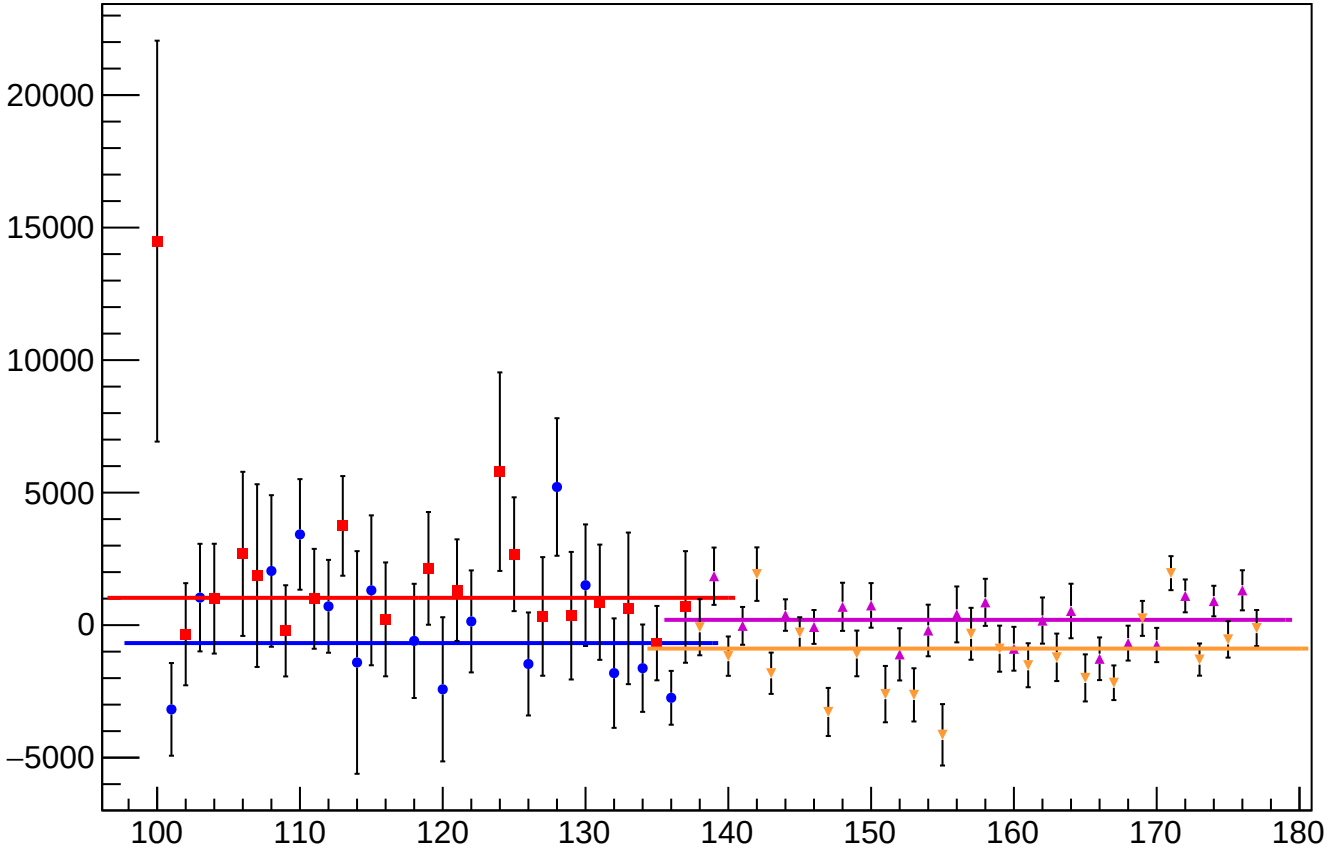
In: 51.213+/-16.752 χ^2/NDF:45.8/34

Out: 45.227+/-16.332 χ^2/NDF:47.7/39

All: 48.144+/-11.694 χ^2/NDF: 93.6/74


eigen_cor_asym_sam_2468_avg_rms vs Slug, Sign Corrected
260
240
220
200
180
160
140
120
100
80
60
100
110
120
130
140
150
160
170
180
Right In: 89.604+/-0.024 χ²/NDF: 498384.4/15
Left Out: 74.735+/-0.013 χ²/NDF:293100.5/20
Right Out: 92.129+/-0.025 χ²/NDF: 540308.7/18
Left In: 75.002+/-0.014 χ²/NDF:211318.7/18
Left: 74.863+/-0.009 χ²/NDF: 504620.1/39
Right: 90.845+/-0.017 χ²/NDF: 1044025.4/34
In: 78.488+/-0.012 χ²/NDF:985856.9/34
Out: 78.547+/-0.012 χ²/NDF:1221674.4/39
All: 78.518+/-0.008 χ²/NDF: 2207544.3/74

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: -884.872+/-171.890 χ^2/NDF:62.6/20

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 198.903+/-175.945 χ^2/NDF:20.8/18

Left: -355.619+/-122.953 χ^2/NDF: 102.8/39

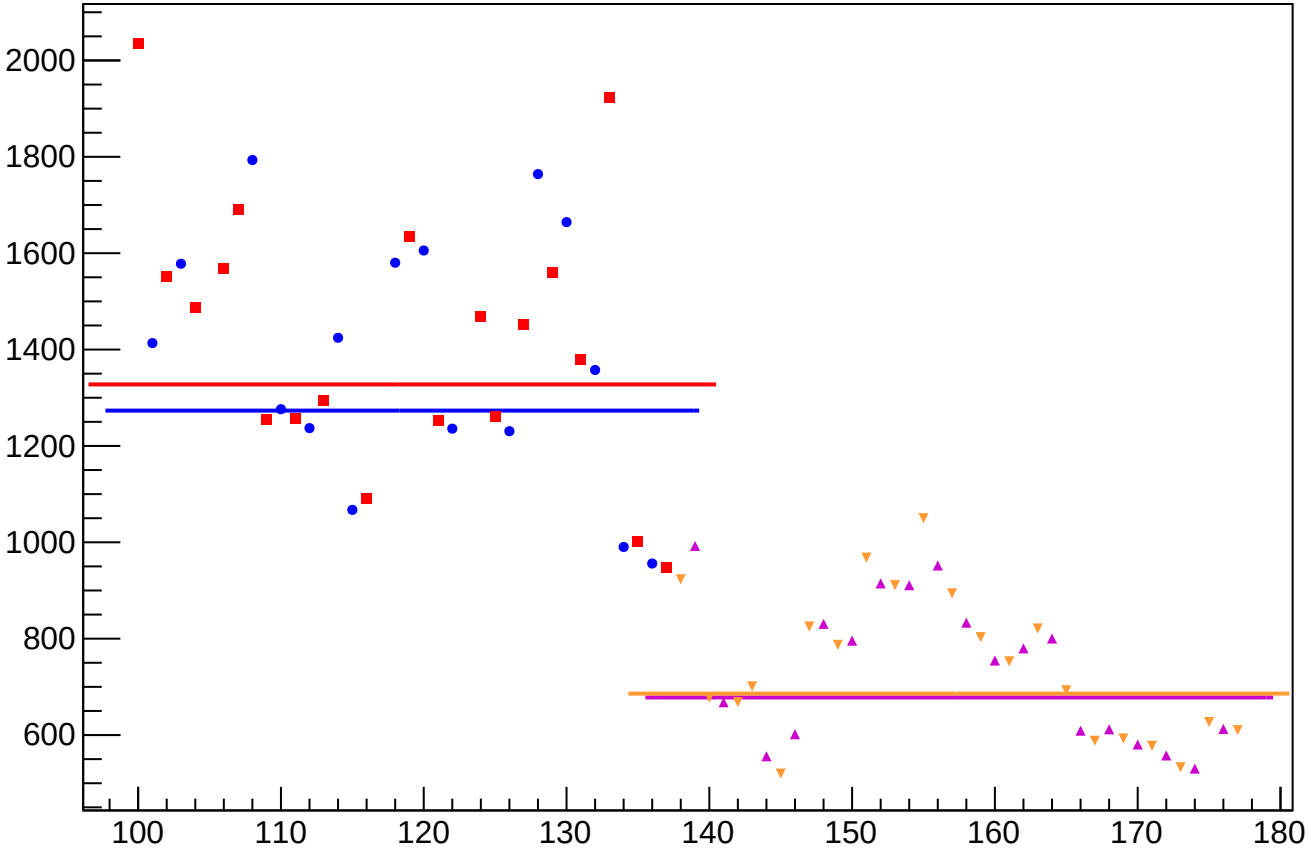
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 97.544+/-165.457 χ^2/NDF:44.0/34

Out: -680.372+/-162.449 χ^2/NDF:86.8/39

All: -298.549+/-115.917 χ^2/NDF: 142.0/74

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: 686.005+/-0.122 χ^2/NDF:1271580.5/20

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 678.035+/-0.124 χ^2/NDF:1178856.8/18

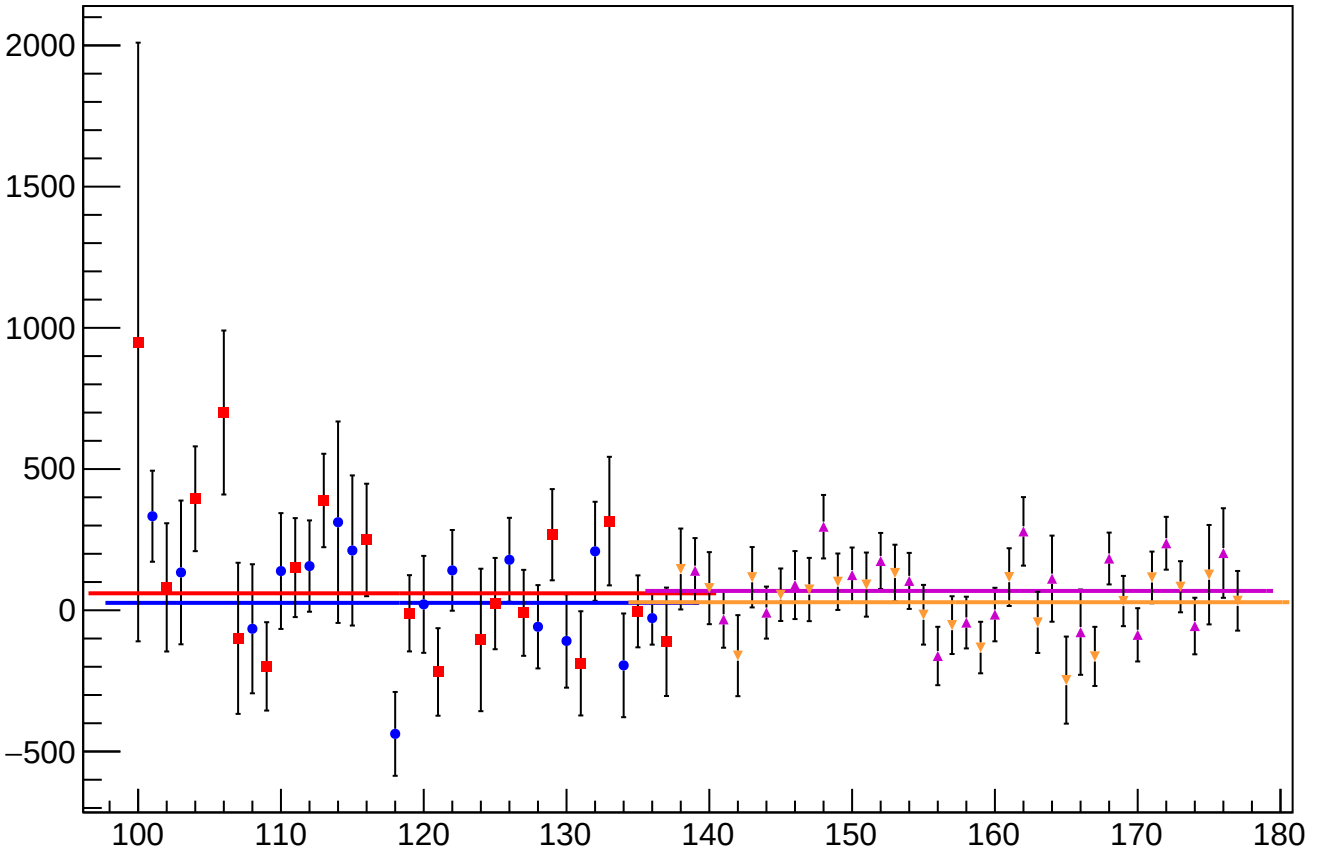
Left: 682.113+/-0.087 χ^2/NDF: 2452537.2/39

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 746.895+/-0.117 χ^2/NDF:4424722.5/34

Out: 754.553+/-0.115 χ^2/NDF:4707375.2/39

All: 750.794+/-0.082 χ^2/NDF: 9134279.2/74



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 28.550+/-23.386 χ^2/NDF:18.6/20

Right Out: 60.119+/-41.528 χ^2/NDF: 27.0/18

Left In: 68.505+/-24.169 χ^2/NDF:28.9/18

Left: 47.870+/-16.806 χ^2/NDF: 48.9/39

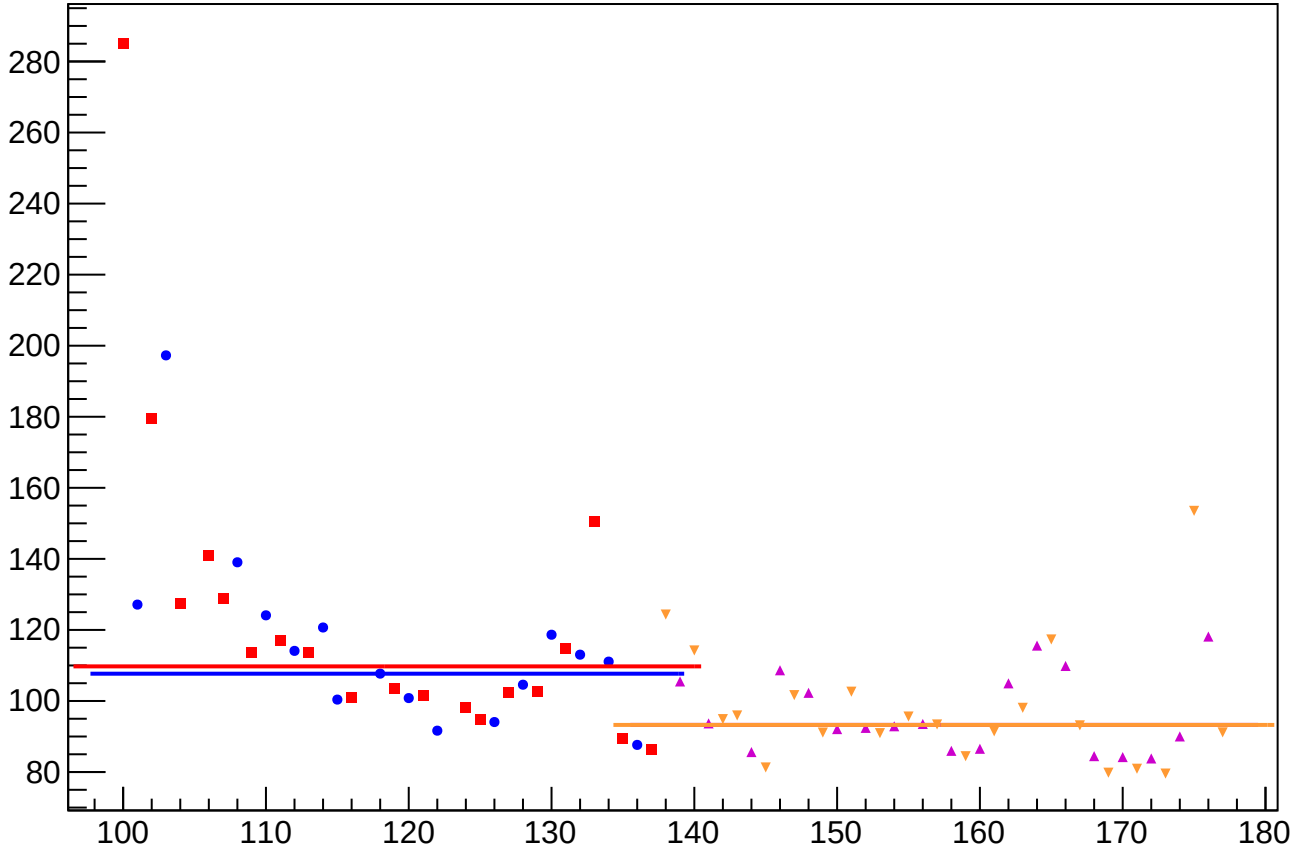
Right: 43.059+/-29.255 χ^2/NDF: 48.7/34

In: 57.695+/-20.849 χ^2/NDF:51.0/34

Out: 36.151+/-20.377 χ^2/NDF:46.1/39

All: 46.676+/-14.573 χ^2/NDF: 97.6/74

dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 93.262+/-0.017 χ^2/NDF:645453.1/20

Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 93.268+/-0.017 χ^2/NDF:299055.2/18

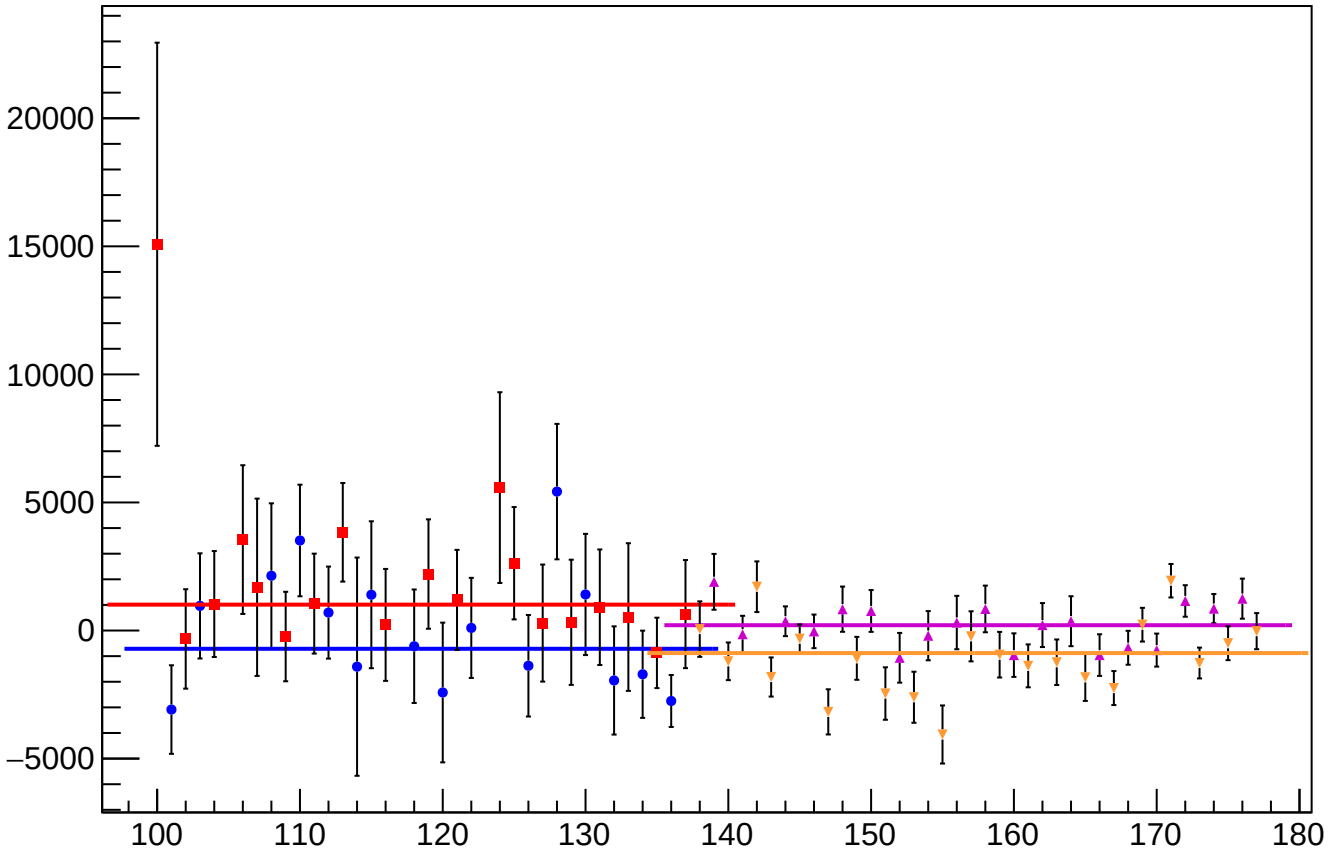
Left: 93.265+/-0.012 χ^2/NDF: 944508.4/39

Right: 108.702+/-0.021 χ^2/NDF: 977390.9/34

In: 96.955+/-0.015 χ^2/NDF:964118.1/34

Out: 97.229+/-0.014 χ^2/NDF:1376297.9/39

All: 97.095+/-0.010 χ^2/NDF: 2340592.7/74



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -879.834+/-170.826 χ^2/NDF:60.4/20

Right Out: 1010.557+/-501.374 χ^2/NDF: 11.8/18

Left In: 207.772+/-175.482 χ^2/NDF:19.6/18

Left: -350.651+/-122.405 χ^2/NDF: 99.7/39

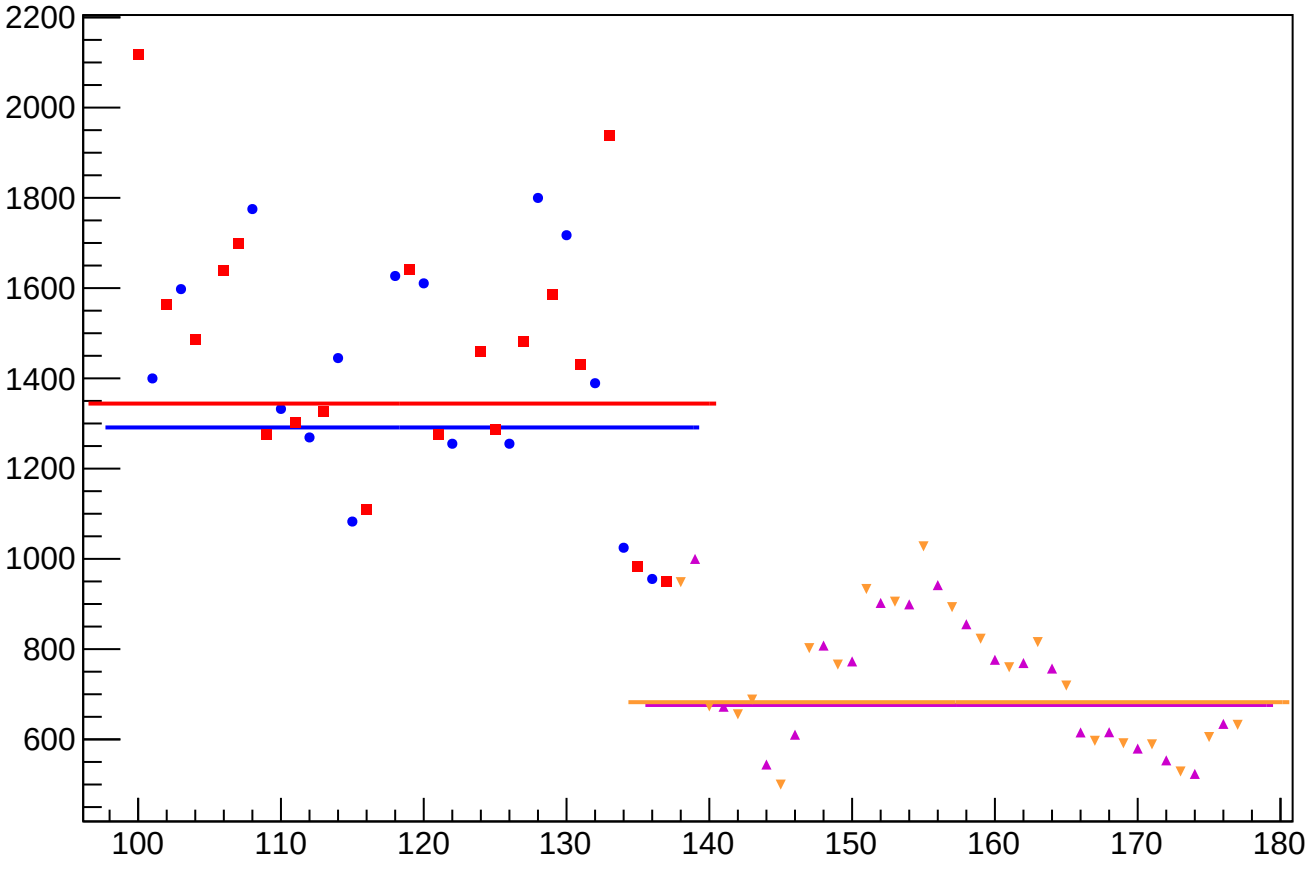
Right: 134.764+/-351.618 χ^2/NDF: 37.9/34

In: 104.337+/-165.331 χ^2/NDF:42.8/34

Out: -683.209+/-161.698 χ^2/NDF:84.8/39

All: -298.183+/-115.601 χ^2/NDF: 139.3/74

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: 682.435+/-0.121 χ^2/NDF:1287623.4/20

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

Left In: 676.272+/-0.124 χ^2/NDF:1162193.2/18

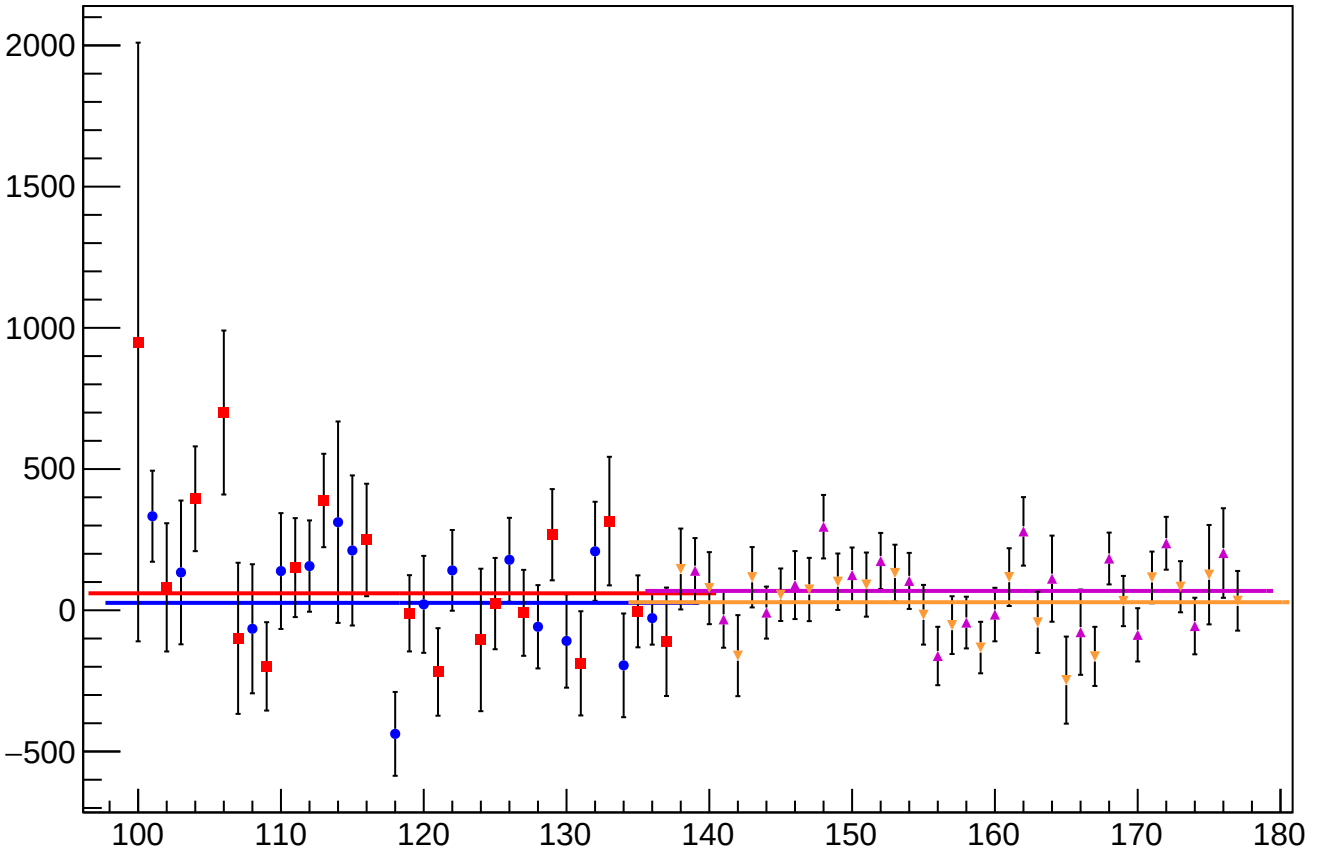
Left: 679.436+/-0.087 χ^2/NDF: 2451083.3/39

Right: 1317.239+/-0.249 χ^2/NDF: 1113173.0/34

In: 745.361+/-0.117 χ^2/NDF:4532490.3/34

Out: 751.259+/-0.114 χ^2/NDF:4899692.0/39

All: 748.375+/-0.082 χ^2/NDF: 9433483.0/74



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 28.550+/-23.386 χ^2/NDF:18.6/20

Right Out: 60.117+/-41.528 χ^2/NDF: 27.0/18

Left In: 68.504+/-24.169 χ^2/NDF:28.9/18

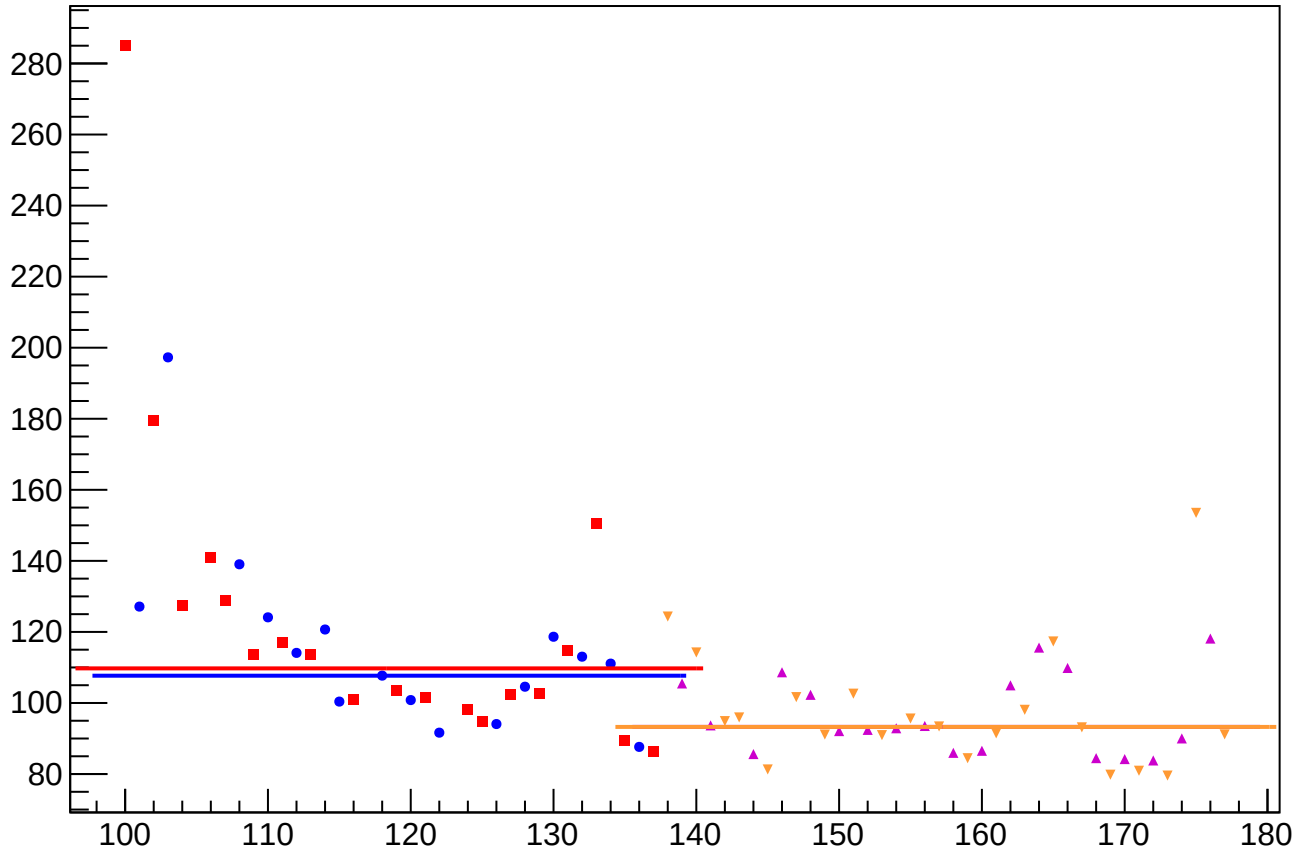
Left: 47.869+/-16.806 χ^2/NDF: 48.9/39

Right: 43.058+/-29.255 χ^2/NDF: 48.7/34

In: 57.694+/-20.849 χ^2/NDF:51.0/34

Out: 36.151+/-20.377 χ^2/NDF:46.1/39

All: 46.676+/-14.573 χ^2/NDF: 97.6/74



Right In: 107.679+/-0.029 χ^2/NDF: 483112.2/15

Left Out: 93.262+/-0.017 χ^2/NDF:645447.8/20

Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 93.268+/-0.017 χ^2/NDF:299056.0/18

Left: 93.265+/-0.012 χ^2/NDF: 944503.9/39

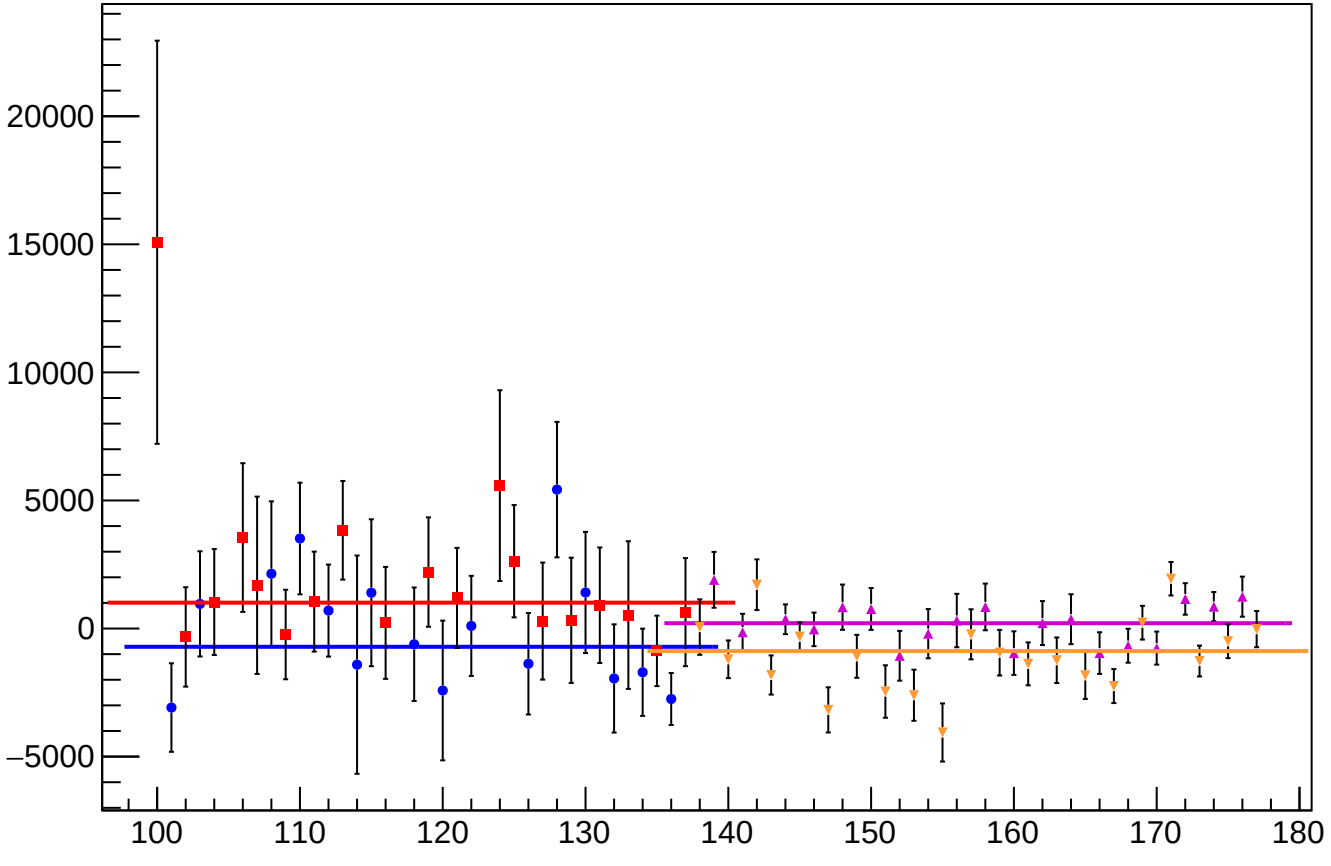
Right: 108.701+/-0.021 χ^2/NDF: 977375.0/34

In: 96.955+/-0.015 χ^2/NDF:964080.7/34

Out: 97.229+/-0.014 χ^2/NDF:1376265.1/39

All: 97.095+/-0.010 χ^2/NDF: 2340522.5/74

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: -879.832+/-170.826 χ^2/NDF:60.4/20

Right Out: 1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: 207.770+/-175.482 χ^2/NDF:19.6/18

Left: -350.651+/-122.405 χ^2/NDF: 99.7/39

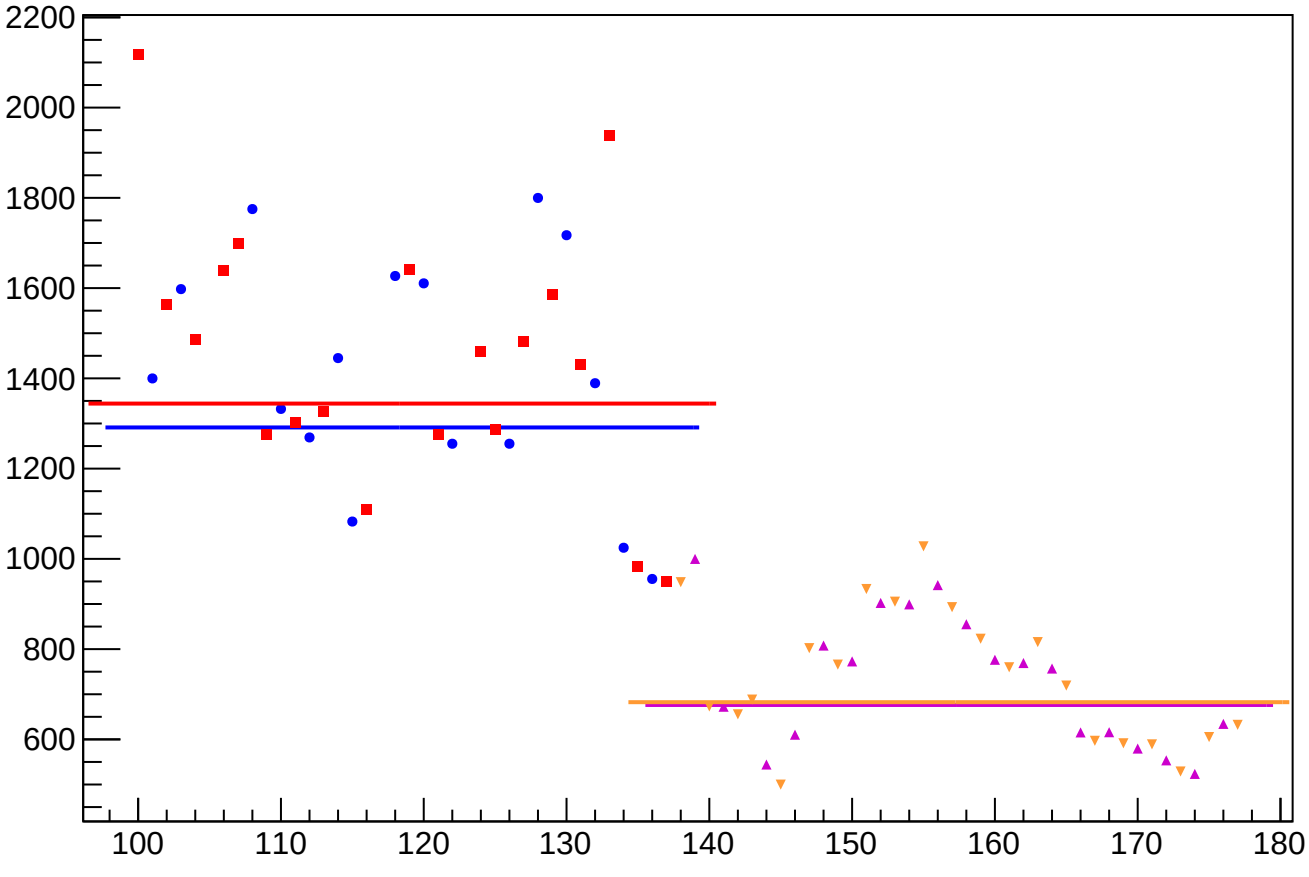
Right: 134.766+/-351.618 χ^2/NDF: 37.9/34

In: 104.336+/-165.331 χ^2/NDF:42.8/34

Out: -683.207+/-161.698 χ^2/NDF:84.8/39

All: -298.183+/-115.601 χ^2/NDF: 139.3/74

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: 682.434+/-0.121 χ^2/NDF:1287630.6/20

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

Left In: 676.270+/-0.124 χ^2/NDF:1162197.0/18

Left: 679.435+/-0.087 χ^2/NDF: 2451094.4/39

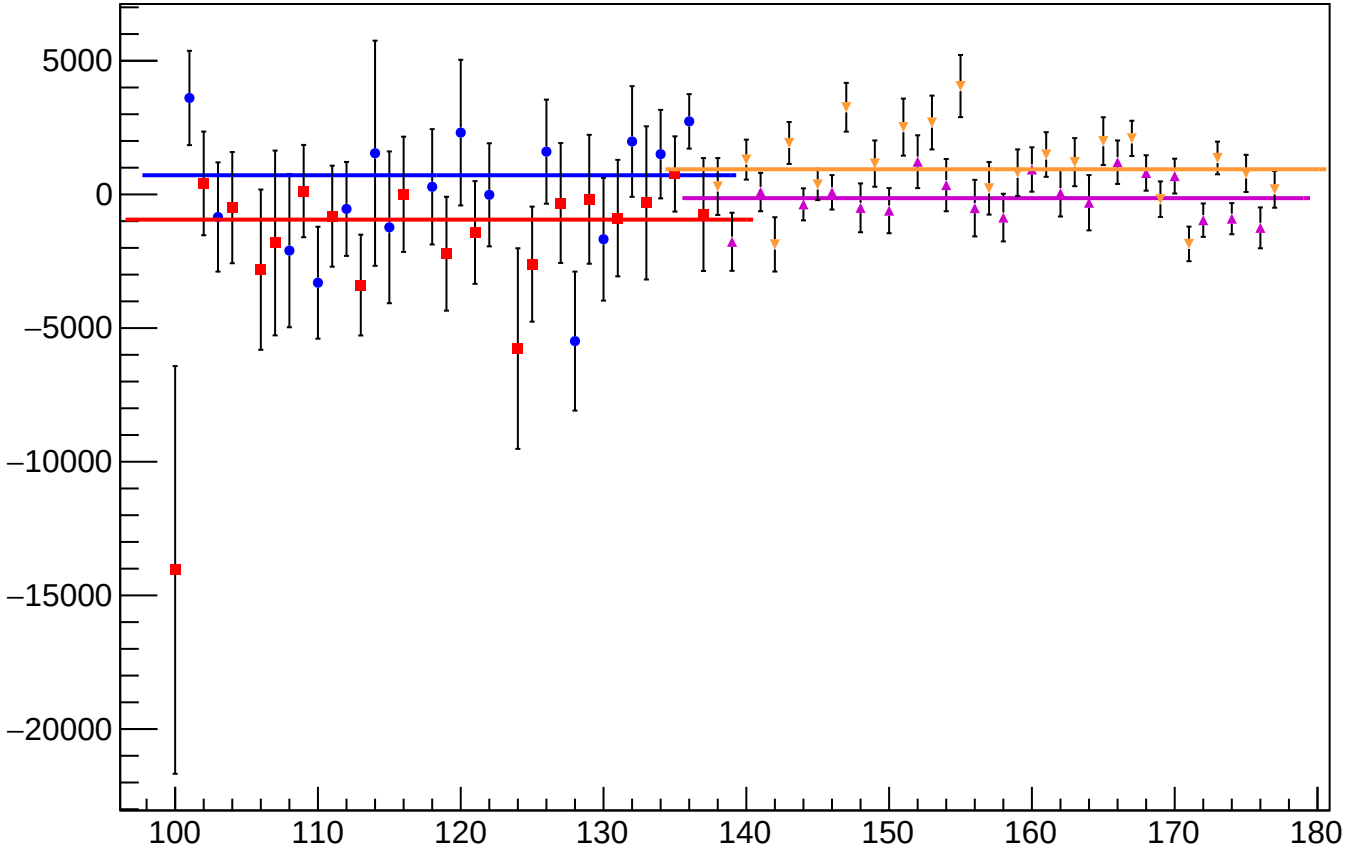
Right: 1317.235+/-0.249 χ^2/NDF: 1113170.2/34

In: 745.359+/-0.117 χ^2/NDF:4532490.7/34

Out: 751.257+/-0.114 χ^2/NDF:4899696.7/39

All: 748.374+/-0.082 χ^2/NDF: 9433488.2/74

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 940.907+/-173.023 χ^2/NDF:58.4/20

Right Out: -942.308+/-498.052 χ^2/NDF: 10.6/18

Left In: -139.246+/-177.148 χ^2/NDF:19.7/18

Left: 413.552+/-123.778 χ^2/NDF: 97.2/39

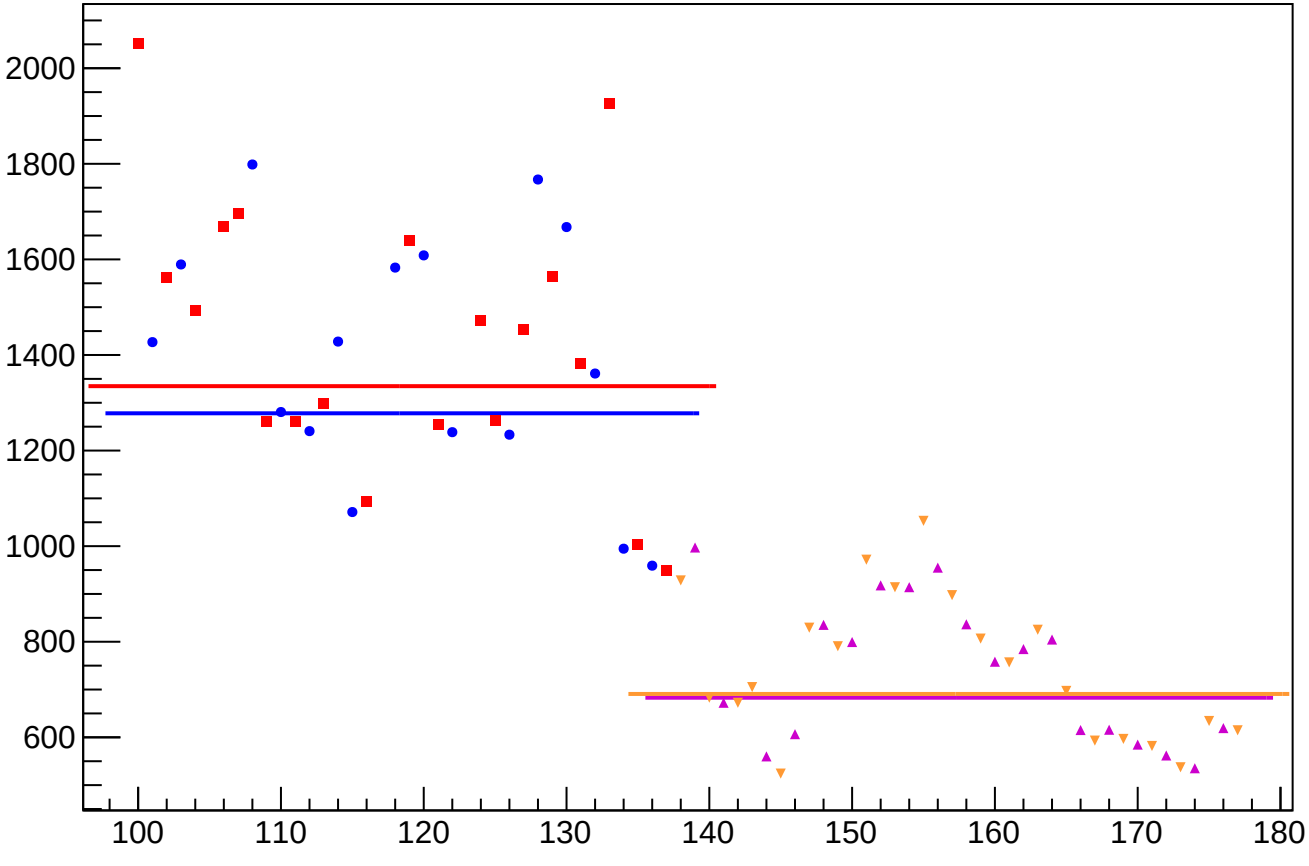
Right: -95.832+/-348.655 χ^2/NDF: 37.2/34

In: -39.566+/-166.525 χ^2/NDF:43.4/34

Out: 738.104+/-163.441 χ^2/NDF:81.8/39

All: 356.537+/-116.645 χ^2/NDF: 136.3/74

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 690.748+/-0.122 χ^2/NDF:1251790.0/20

Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 682.906+/-0.125 χ^2/NDF:1158653.6/18

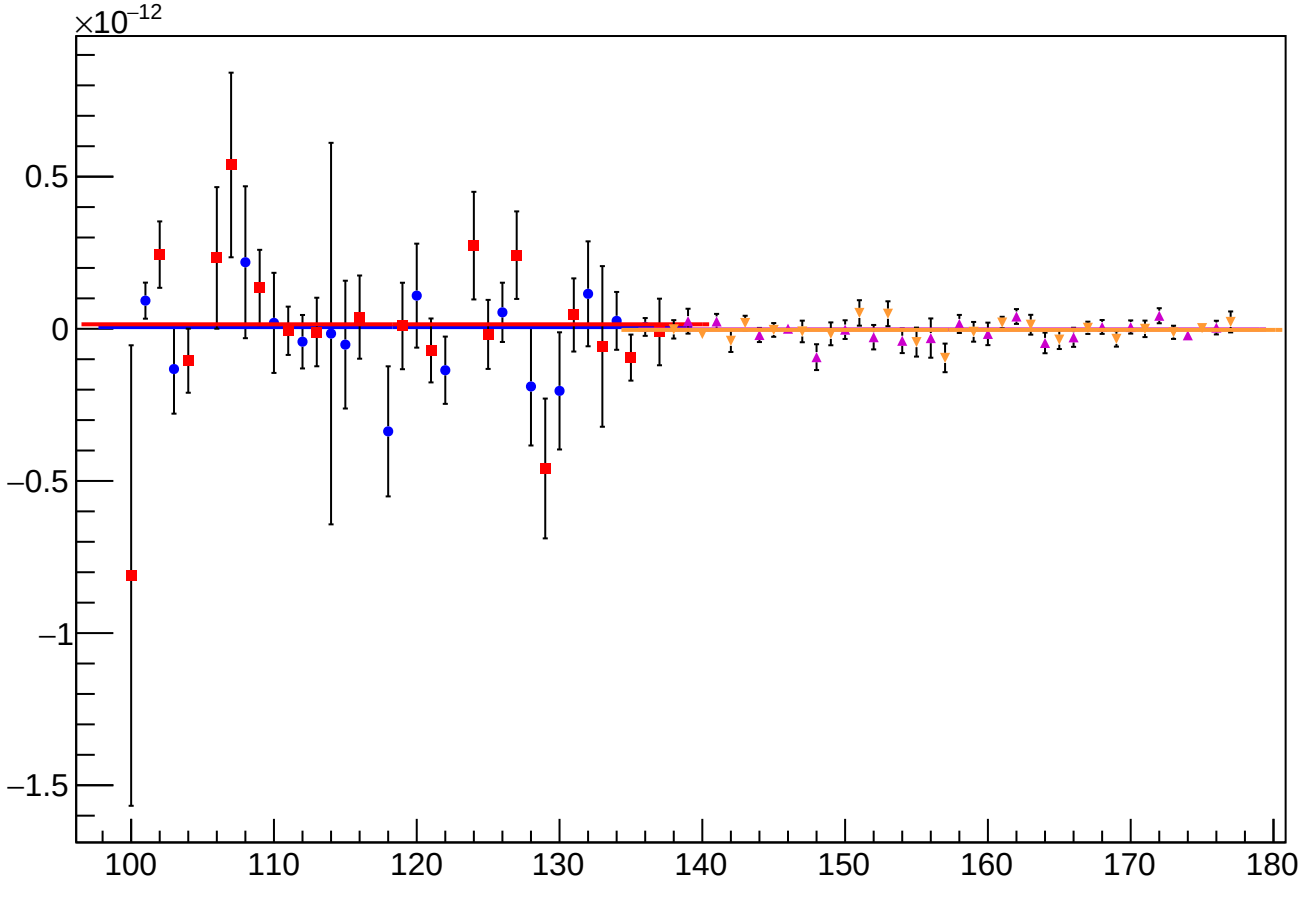
Left: 686.919+/-0.088 χ^2/NDF: 2412449.8/39

Right: 1305.812+/-0.247 χ^2/NDF: 1082827.2/34

In: 752.131+/-0.118 χ^2/NDF:4381724.8/34

Out: 760.103+/-0.116 χ^2/NDF:4707730.8/39

All: 756.192+/-0.082 χ^2/NDF: 9091790.4/74



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.1/20

Right Out: 0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: -0.000+/-0.000 χ^2/NDF:19.3/18

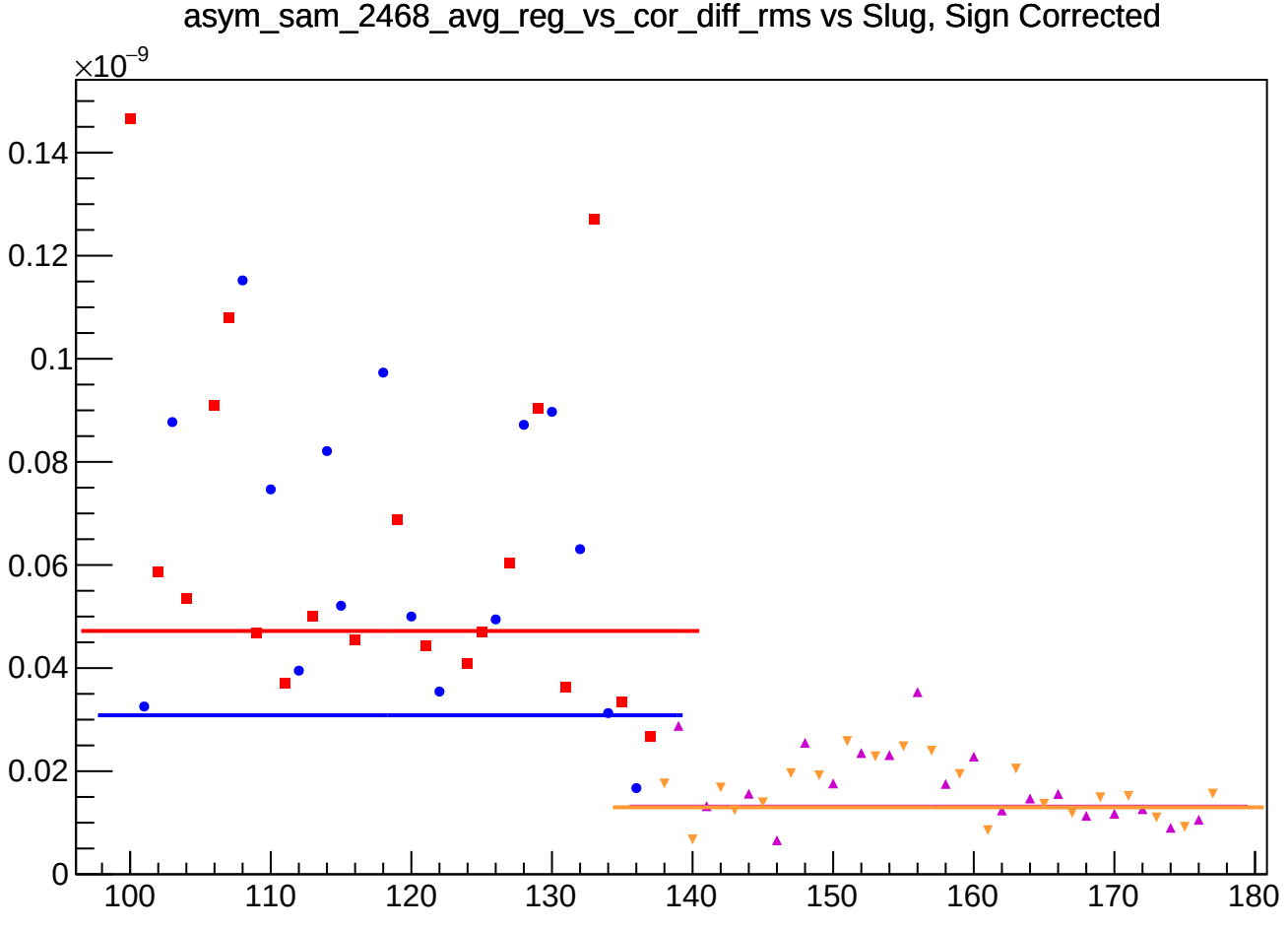
Left: -0.000+/-0.000 χ^2/NDF: 35.4/39

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: -0.000+/-0.000 χ^2/NDF:31.0/34

Out: -0.000+/-0.000 χ^2/NDF:40.3/39

All: -0.000+/-0.000 χ^2/NDF: 71.3/74



Right In: 0.000+/-0.000 χ^2/NDF: 1912879.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1561732.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1800979.7/18

Left: 0.000+/-0.000 χ^2/NDF: 3363188.6/39

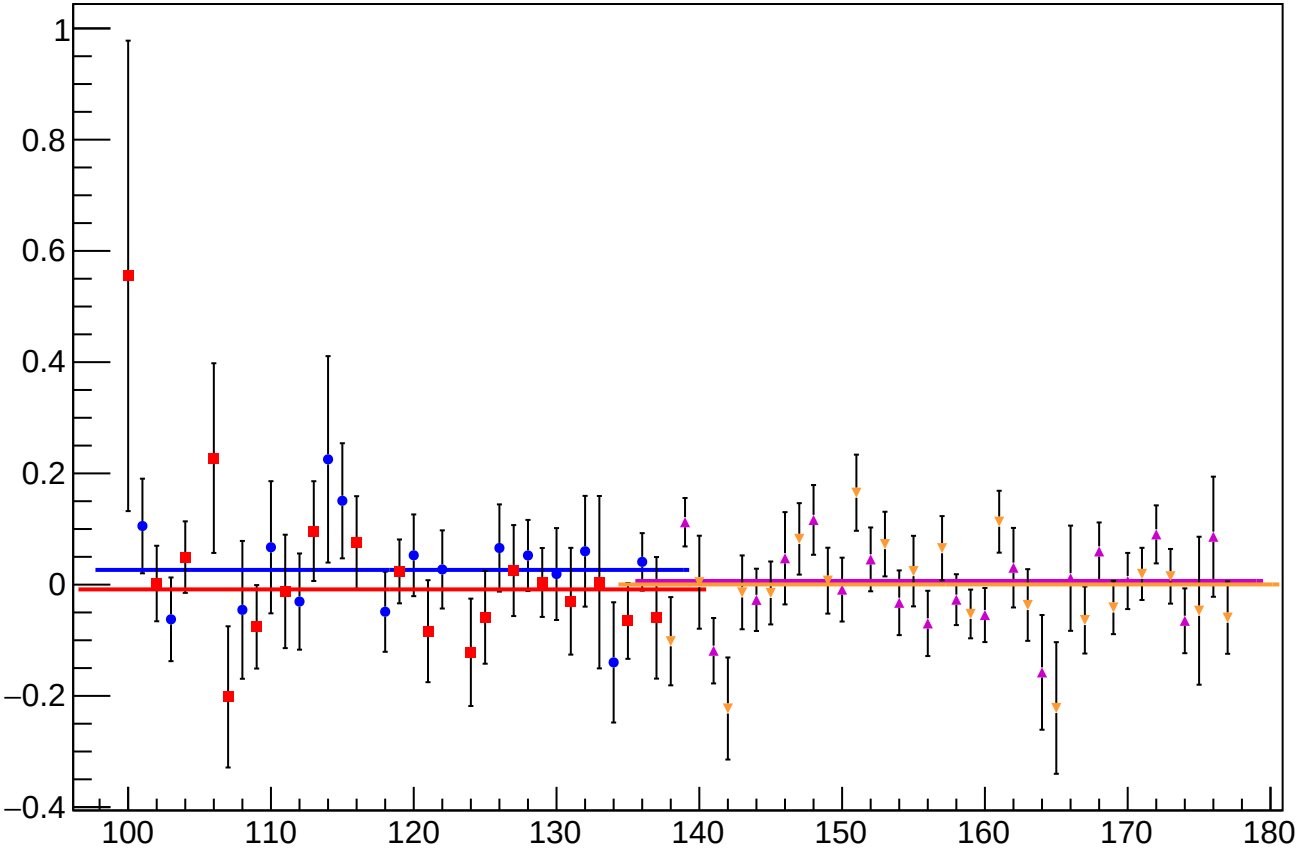
Right: 0.000+/-0.000 χ^2/NDF: 3051679.0/34

In: 0.000+/-0.000 χ^2/NDF:4970514.7/34

Out: 0.000+/-0.000 χ^2/NDF:5036514.1/39

All: 0.000+/-0.000 χ^2/NDF: 10007382.7/74

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:30.6/20

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.007+/-0.013 χ^2/NDF:27.2/18

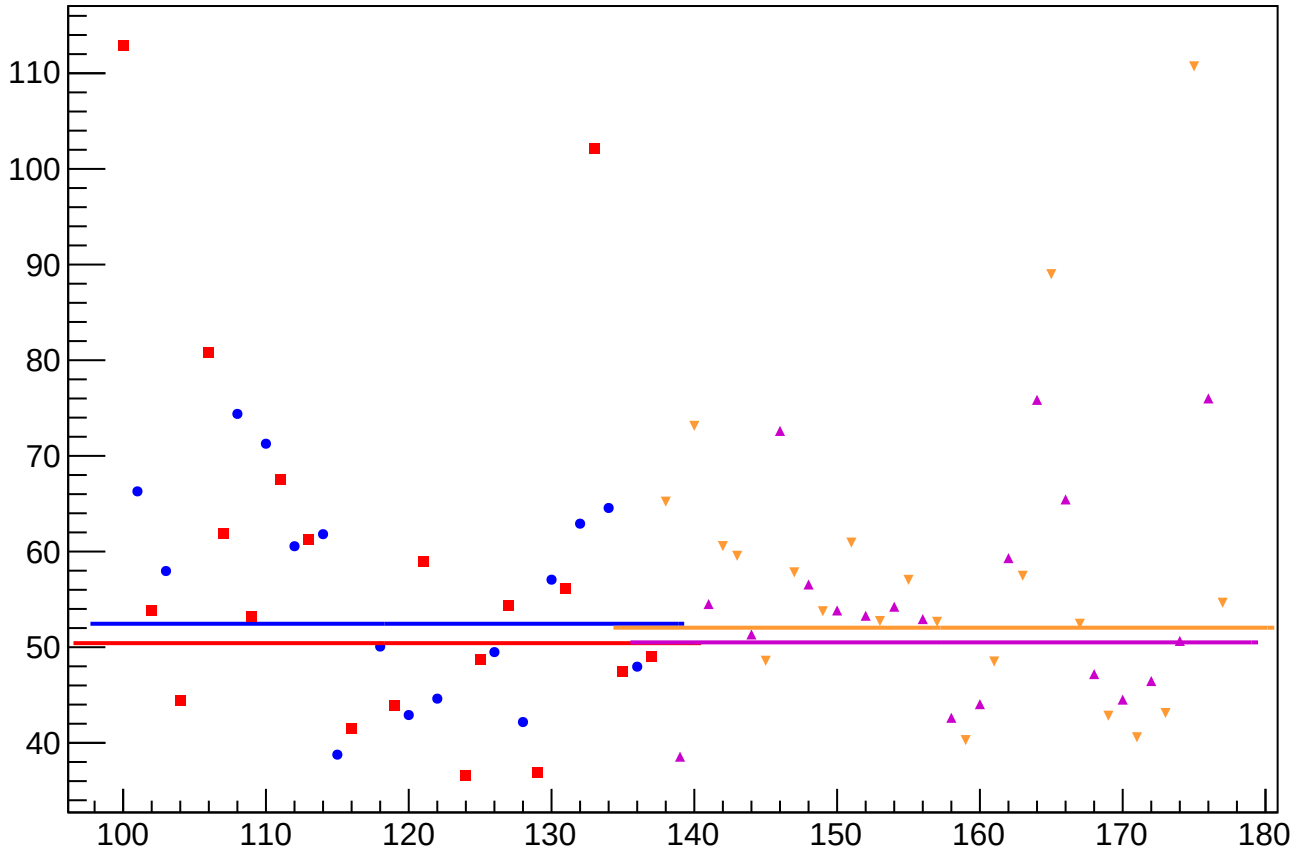
Left: 0.003+/-0.009 χ^2/NDF: 58.0/39

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.013+/-0.011 χ^2/NDF:37.8/34

Out: -0.002+/-0.011 χ^2/NDF:44.7/39

All: 0.005+/-0.008 χ^2/NDF: 83.5/74



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 52.039+/-0.009 χ^2/NDF:1310326.7/20

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.504+/-0.009 χ^2/NDF:799751.9/18

Left: 51.274+/-0.007 χ^2/NDF: 2123168.2/39

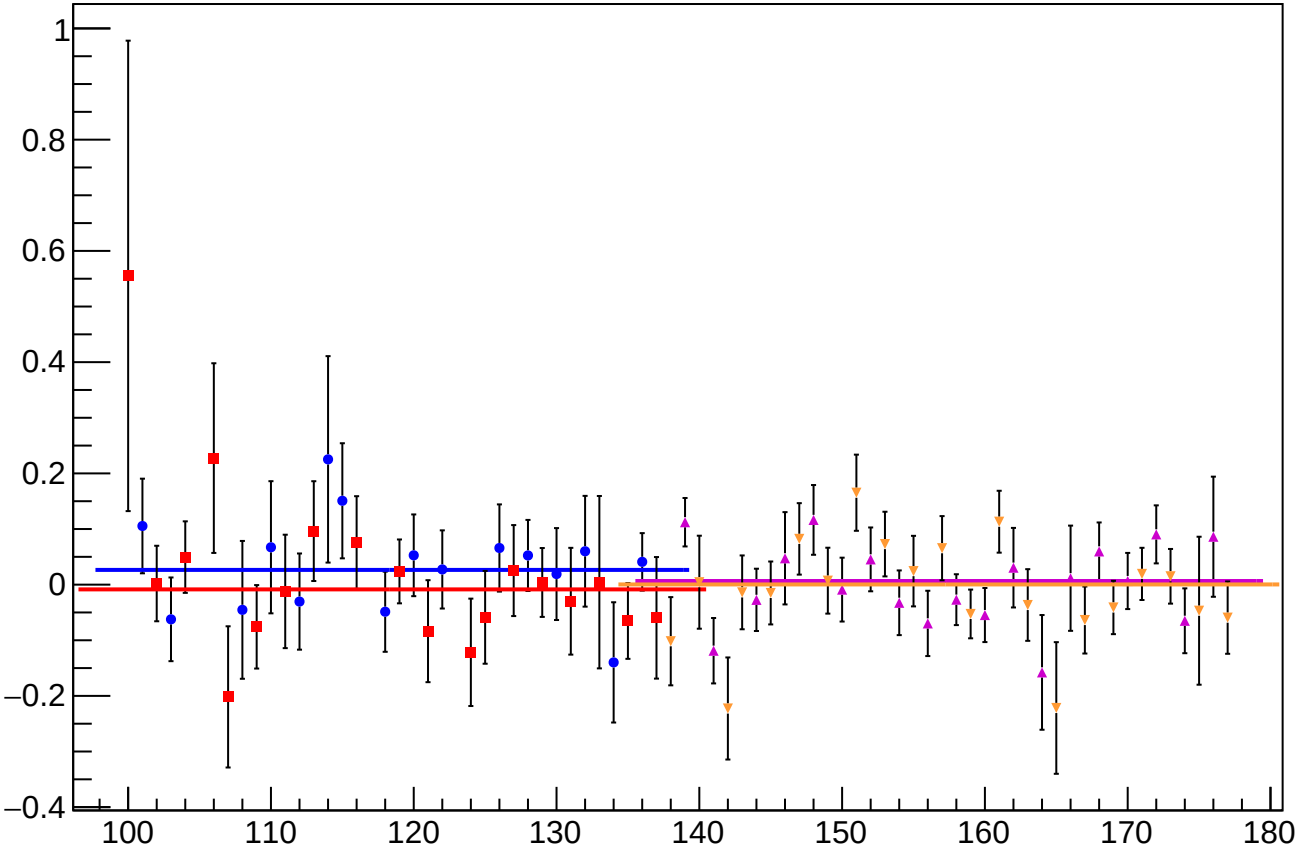
Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 51.093+/-0.008 χ^2/NDF:1230470.7/34

Out: 51.520+/-0.008 χ^2/NDF:1996419.1/39

All: 51.310+/-0.006 χ^2/NDF: 3228362.4/74

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:30.6/20

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.007+/-0.013 χ^2/NDF:27.2/18

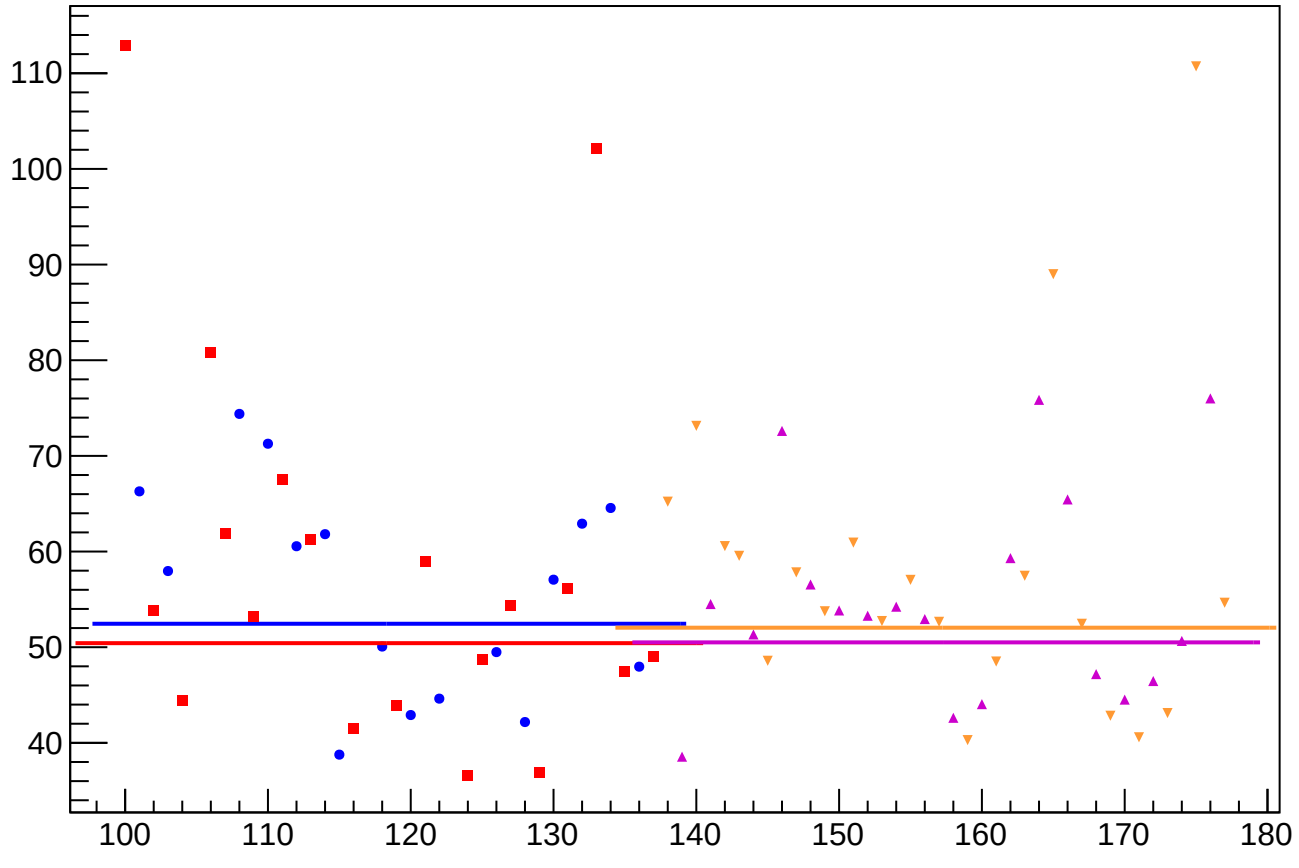
Left: 0.003+/-0.009 χ^2/NDF: 58.0/39

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.013+/-0.011 χ^2/NDF:37.8/34

Out: -0.002+/-0.011 χ^2/NDF:44.7/39

All: 0.005+/-0.008 χ^2/NDF: 83.5/74



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 52.039+/-0.009 χ^2/NDF:1310326.7/20

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.504+/-0.009 χ^2/NDF:799751.9/18

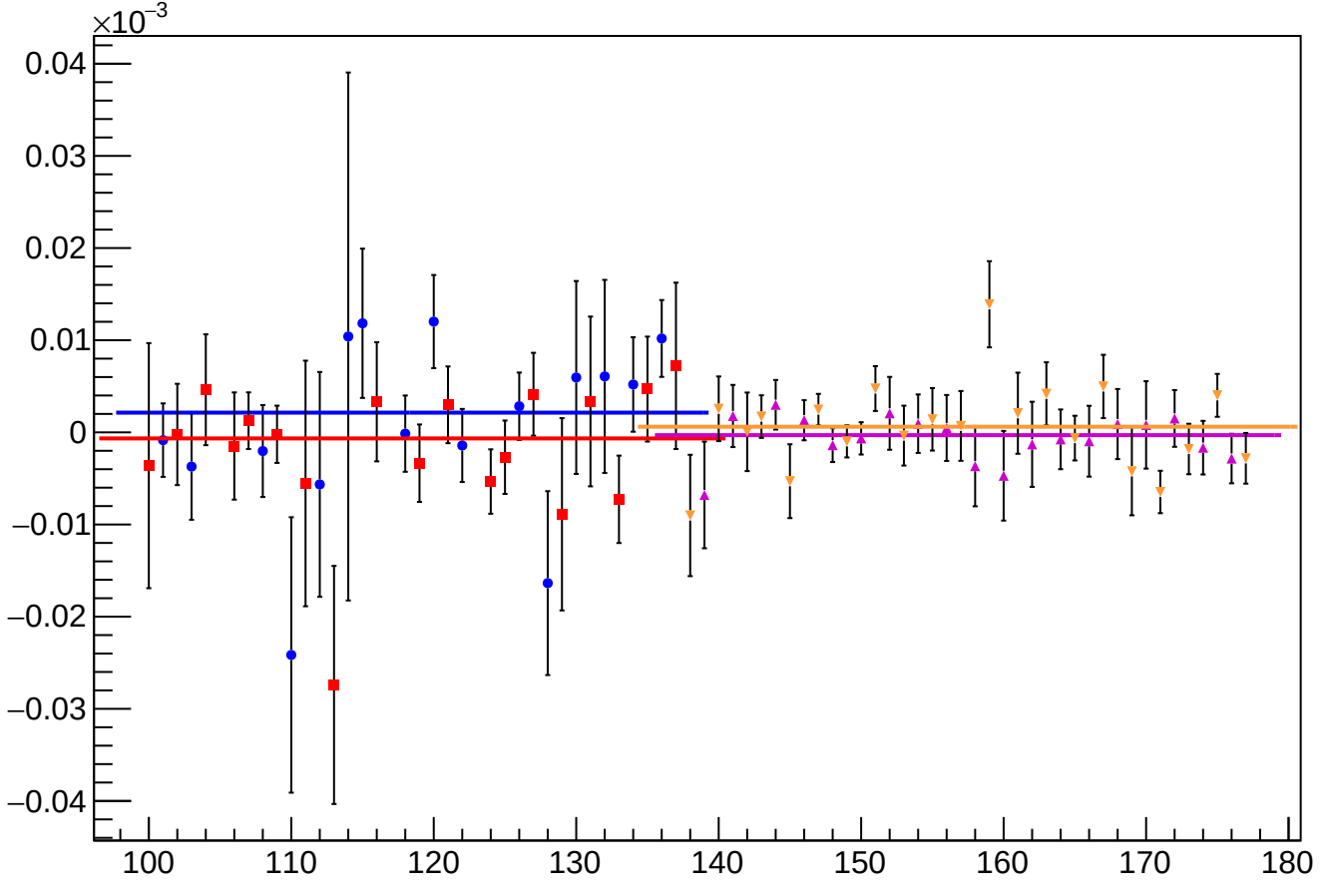
Left: 51.274+/-0.007 χ^2/NDF: 2123168.2/39

Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 51.093+/-0.008 χ^2/NDF:1230470.7/34

Out: 51.520+/-0.008 χ^2/NDF:1996419.1/39

All: 51.310+/-0.006 χ^2/NDF: 3228362.4/74



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:36.0/20

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:7.8/18

Left: 0.000+/-0.000 χ^2/NDF: 44.8/39

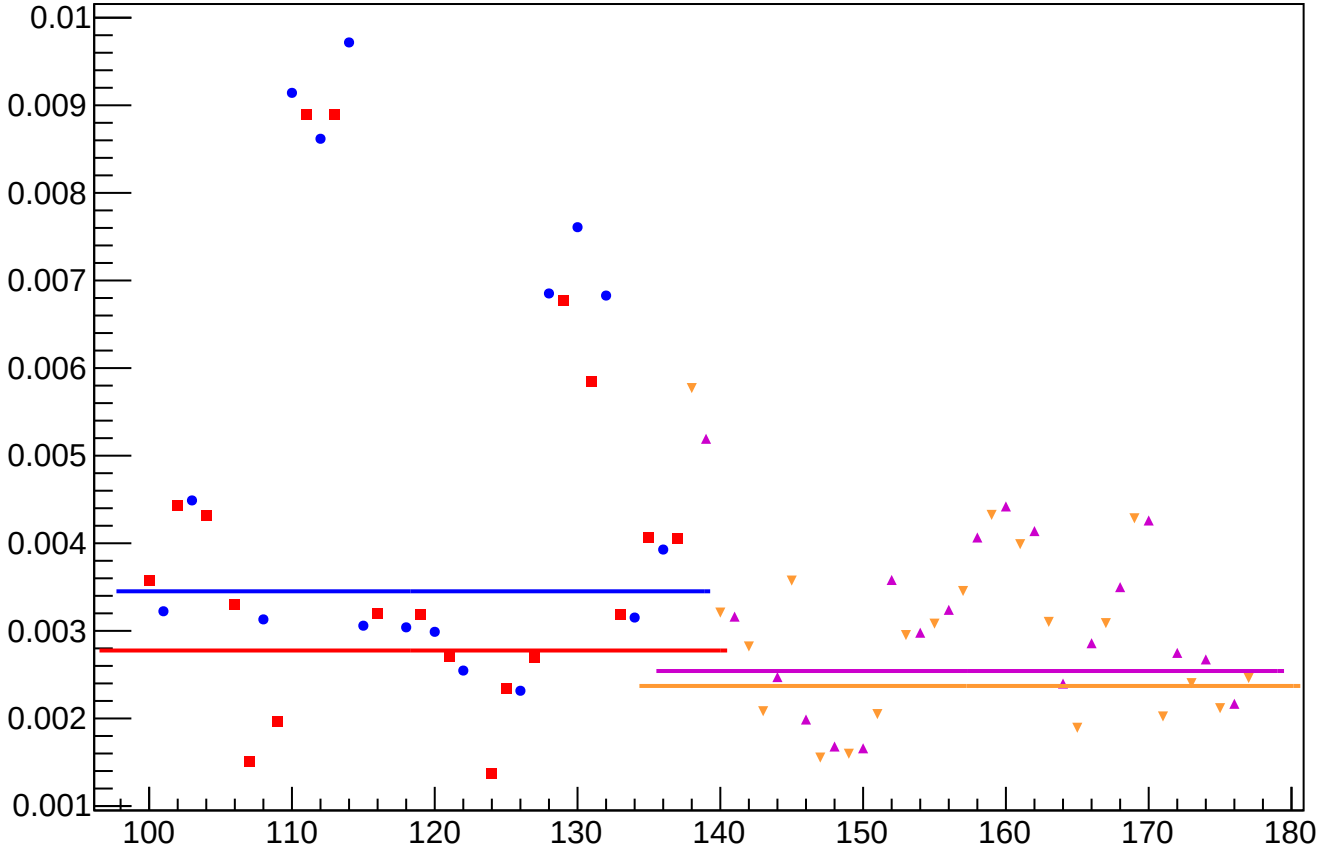
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:30.3/34

Out: 0.000+/-0.000 χ^2/NDF:51.8/39

All: 0.000+/-0.000 χ^2/NDF: 82.2/74

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:3351215.5/20

Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.003+/-0.000 χ^2/NDF:3059854.3/18

Left: 0.002+/-0.000 χ^2/NDF: 6479179.7/39

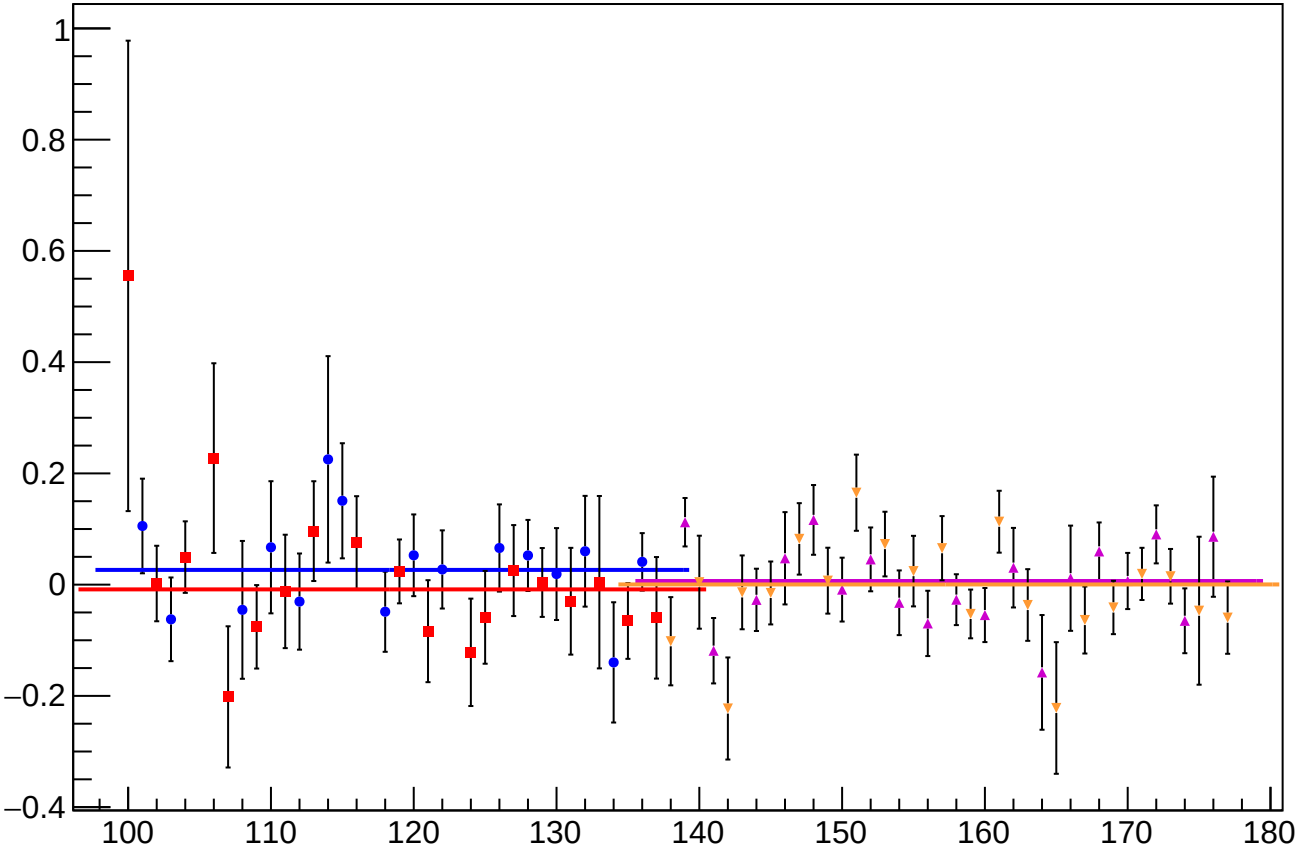
Right: 0.003+/-0.000 χ^2/NDF: 4968092.4/34

In: 0.003+/-0.000 χ^2/NDF:5702719.2/34

Out: 0.002+/-0.000 χ^2/NDF:6278824.0/39

All: 0.003+/-0.000 χ^2/NDF: 12181329.2/74

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:30.6/20

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.007+/-0.013 χ^2/NDF:27.2/18

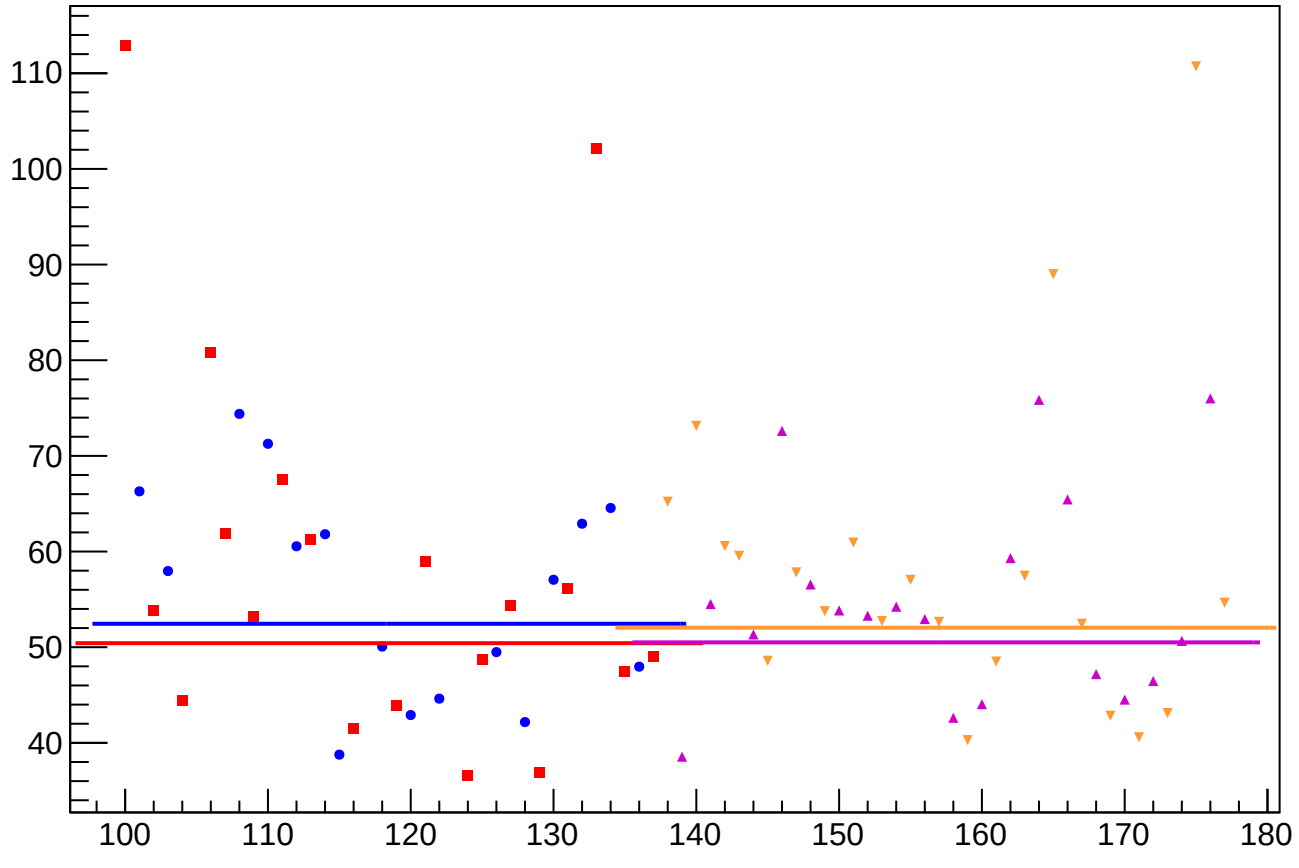
Left: 0.003+/-0.009 χ^2/NDF: 58.0/39

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.013+/-0.011 χ^2/NDF:37.8/34

Out: -0.002+/-0.011 χ^2/NDF:44.7/39

All: 0.005+/-0.008 χ^2/NDF: 83.5/74



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 52.039+/-0.009 χ^2/NDF:1310341.7/20

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.504+/-0.009 χ^2/NDF:799822.2/18

Left: 51.274+/-0.007 χ^2/NDF: 2123254.4/39

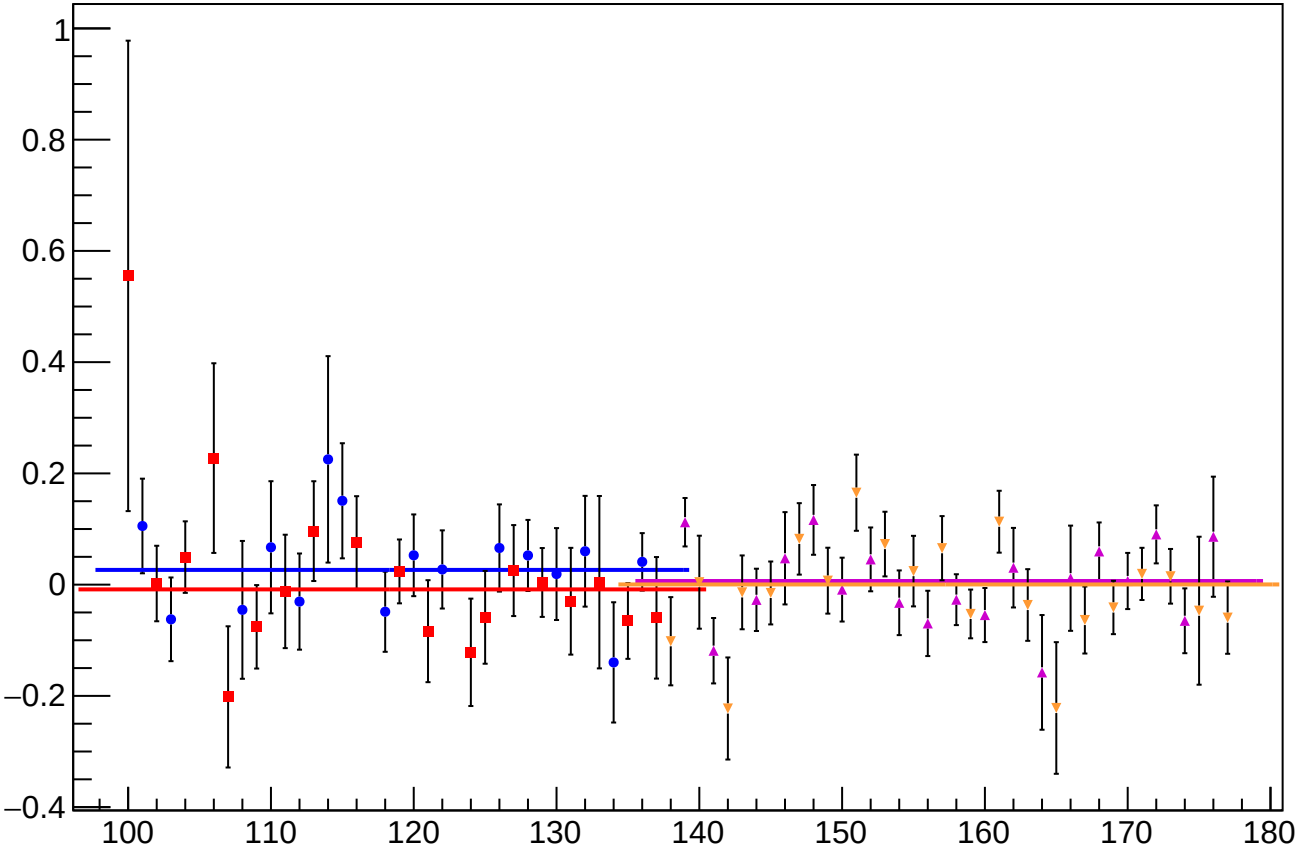
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 51.093+/-0.008 χ^2/NDF:1230476.0/34

Out: 51.520+/-0.008 χ^2/NDF:1996457.3/39

All: 51.310+/-0.006 χ^2/NDF: 3228405.7/74

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:30.6/20

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.007+/-0.013 χ^2/NDF:27.2/18

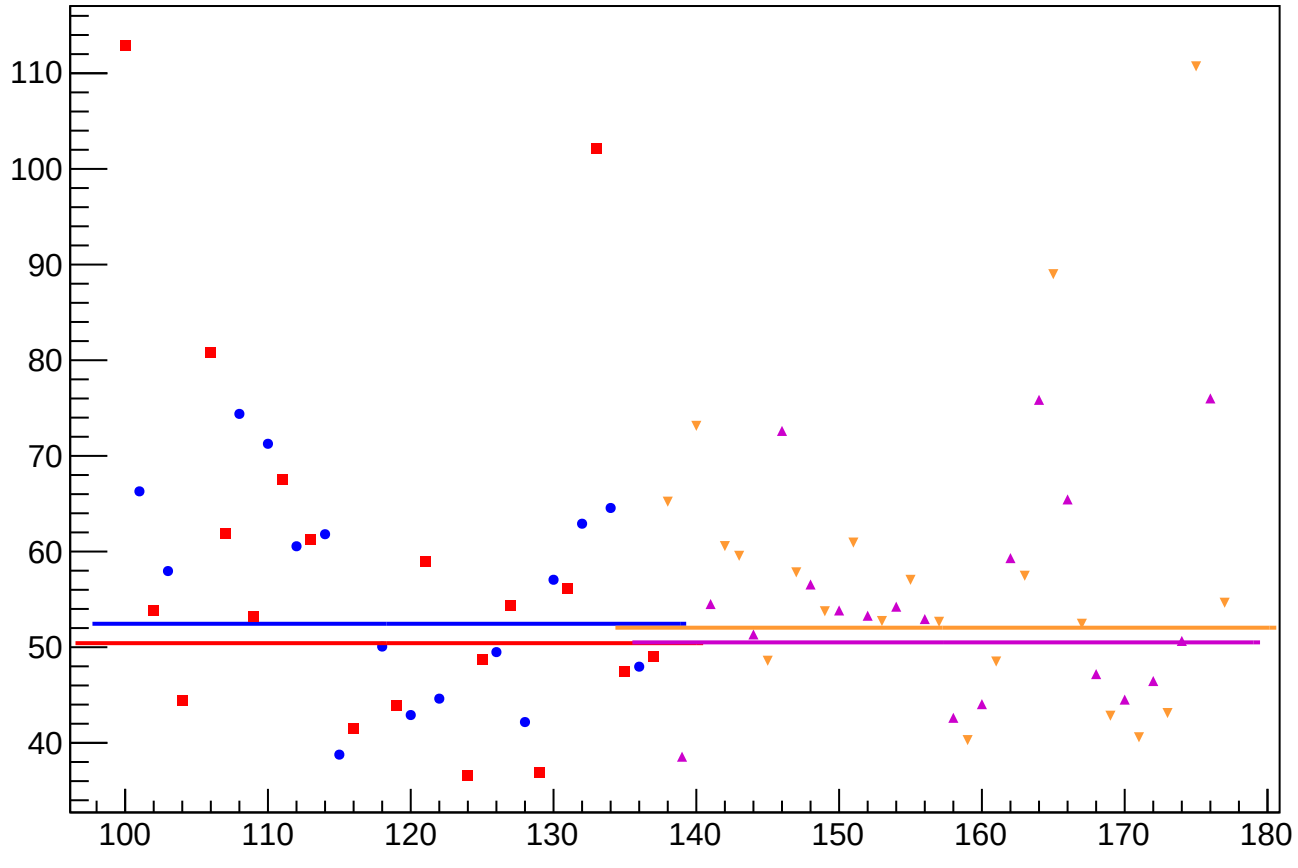
Left: 0.003+/-0.009 χ^2/NDF: 58.0/39

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.013+/-0.011 χ^2/NDF:37.8/34

Out: -0.002+/-0.011 χ^2/NDF:44.7/39

All: 0.005+/-0.008 χ^2/NDF: 83.5/74



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 52.039+/-0.009 χ^2/NDF:1310341.7/20

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.504+/-0.009 χ^2/NDF:799822.2/18

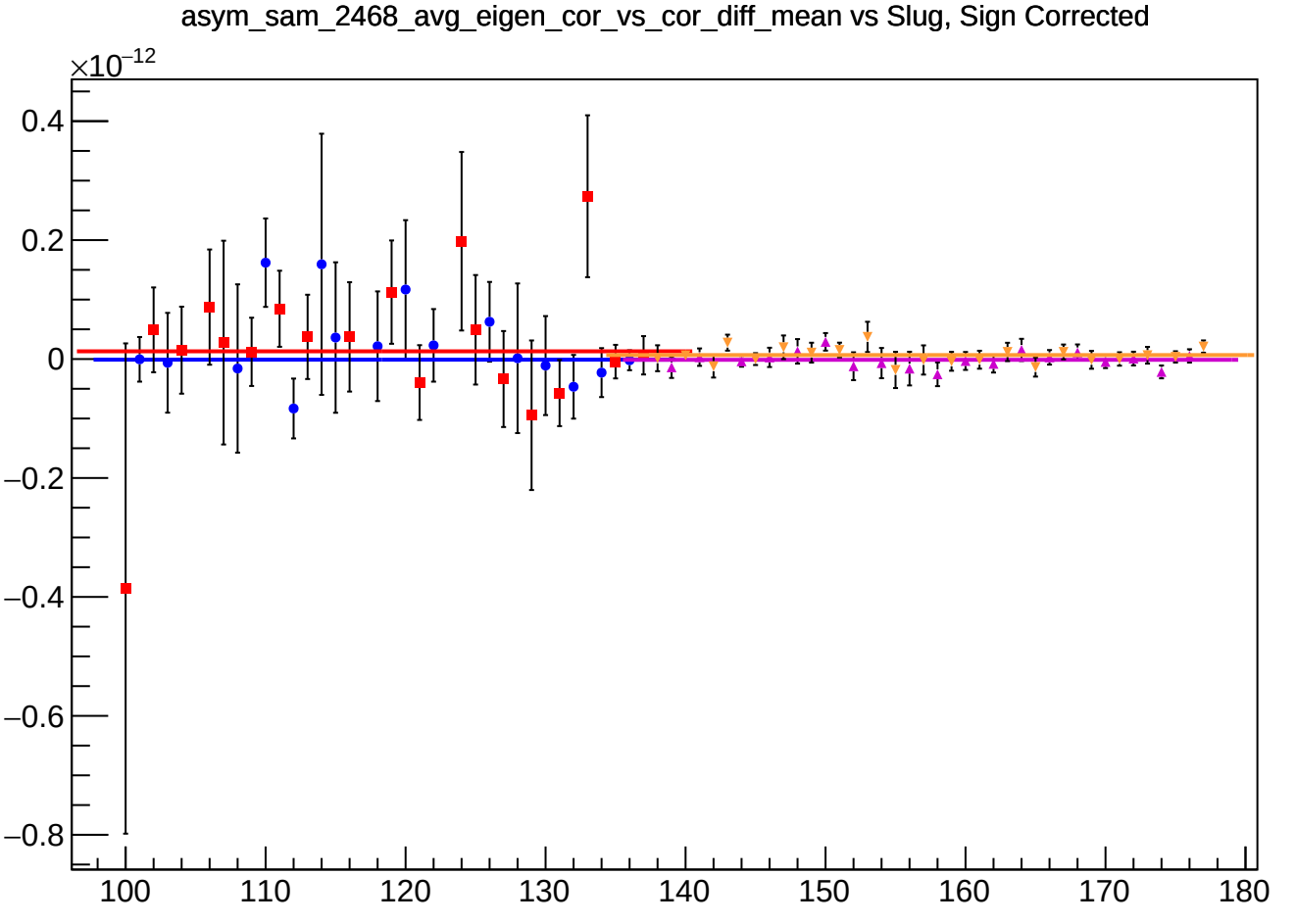
Left: 51.274+/-0.007 χ^2/NDF: 2123254.4/39

Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 51.093+/-0.008 χ^2/NDF:1230476.0/34

Out: 51.520+/-0.008 χ^2/NDF:1996457.3/39

All: 51.310+/-0.006 χ^2/NDF: 3228405.7/74



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 13.7/18

Left In: -0.000+/-0.000 χ^2/NDF:13.4/18

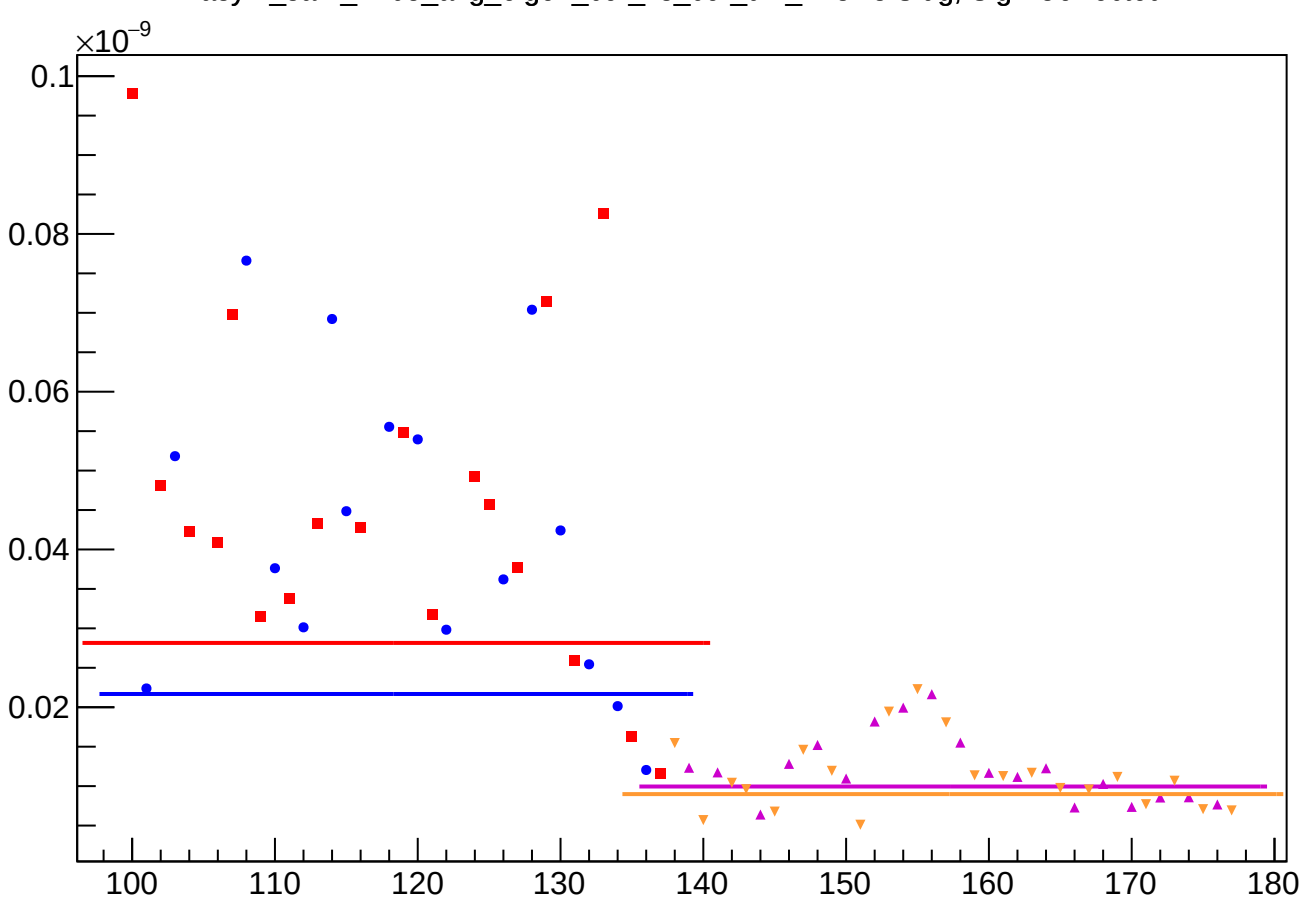
Left: 0.000+/-0.000 χ^2/NDF: 29.0/39

Right: 0.000+/-0.000 χ^2/NDF: 25.5/34

In: -0.000+/-0.000 χ^2/NDF:24.7/34

Out: 0.000+/-0.000 χ^2/NDF:26.1/39

All: 0.000+/-0.000 χ^2/NDF: 54.5/74



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2445253.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

Left In: 0.000+/-0.000 χ^2/NDF:2060843.1/18

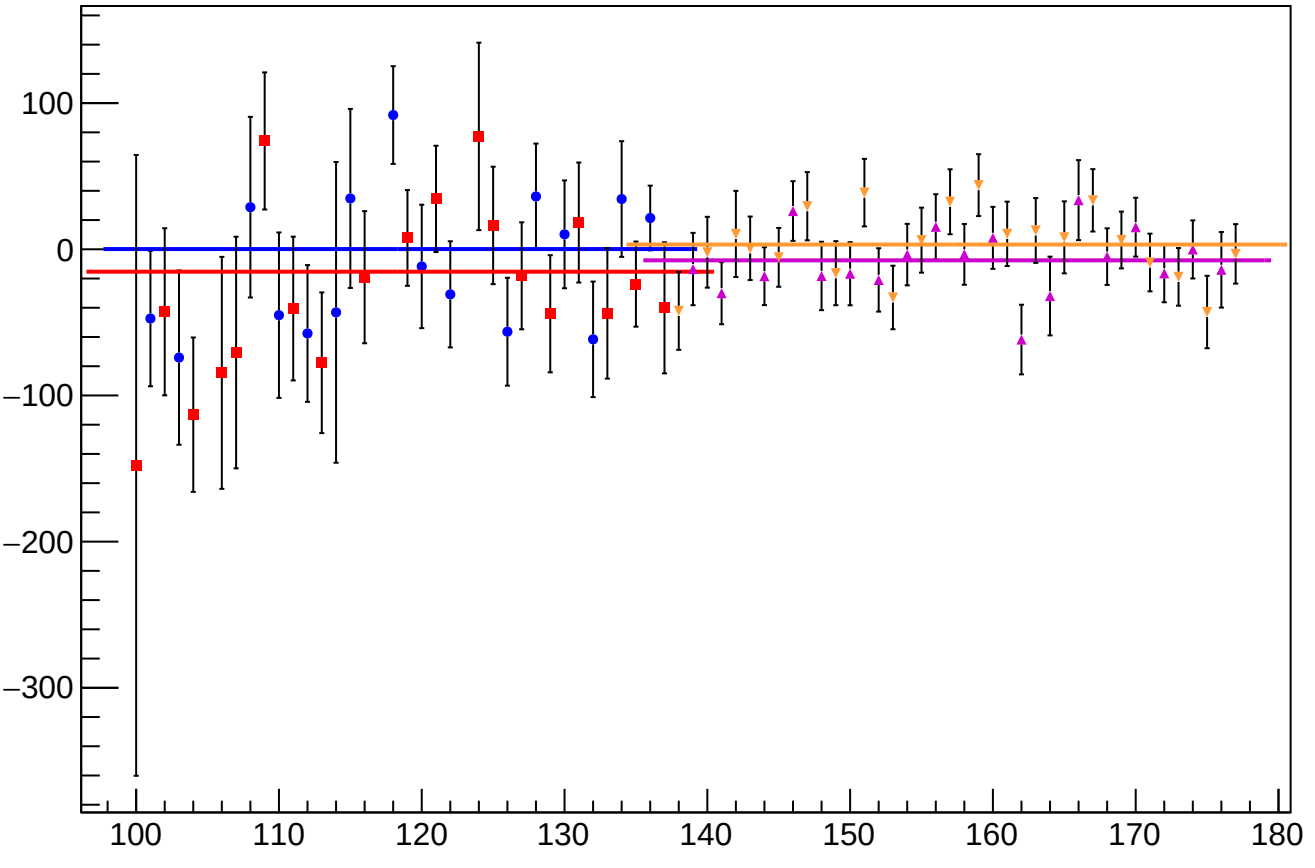
Left: 0.000+/-0.000 χ^2/NDF: 4601716.6/39

Right: 0.000+/-0.000 χ^2/NDF: 5141383.5/34

In: 0.000+/-0.000 χ^2/NDF:6369162.0/34

Out: 0.000+/-0.000 χ^2/NDF:8179035.1/39

All: 0.000+/-0.000 χ^2/NDF: 14654887.0/74



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: 3.251+/-4.833 χ^2/NDF:23.4/20

Right Out: -15.333+/-10.267 χ^2/NDF: 17.9/18

Left In: -7.560+/-5.005 χ^2/NDF:16.6/18

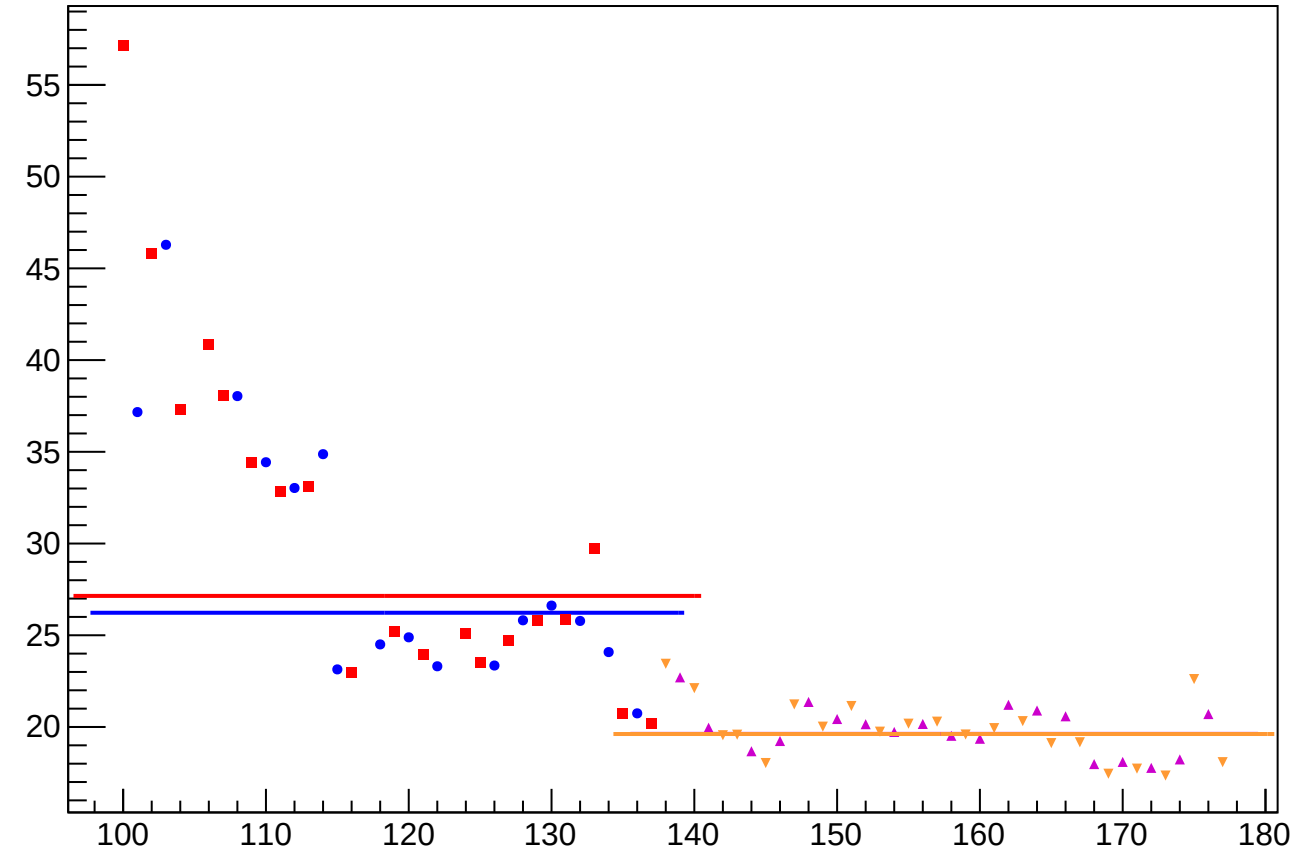
Left: -1.965+/-3.477 χ^2/NDF: 42.4/39

Right: -7.422+/-7.181 χ^2/NDF: 40.4/34

In: -6.026+/-4.480 χ^2/NDF:38.4/34

Out: -0.120+/-4.373 χ^2/NDF:44.1/39

All: -3.001+/-3.129 χ^2/NDF: 83.4/74



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 19.617+/-0.003 χ^2/NDF:211231.3/20

Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 19.624+/-0.004 χ^2/NDF:126124.4/18

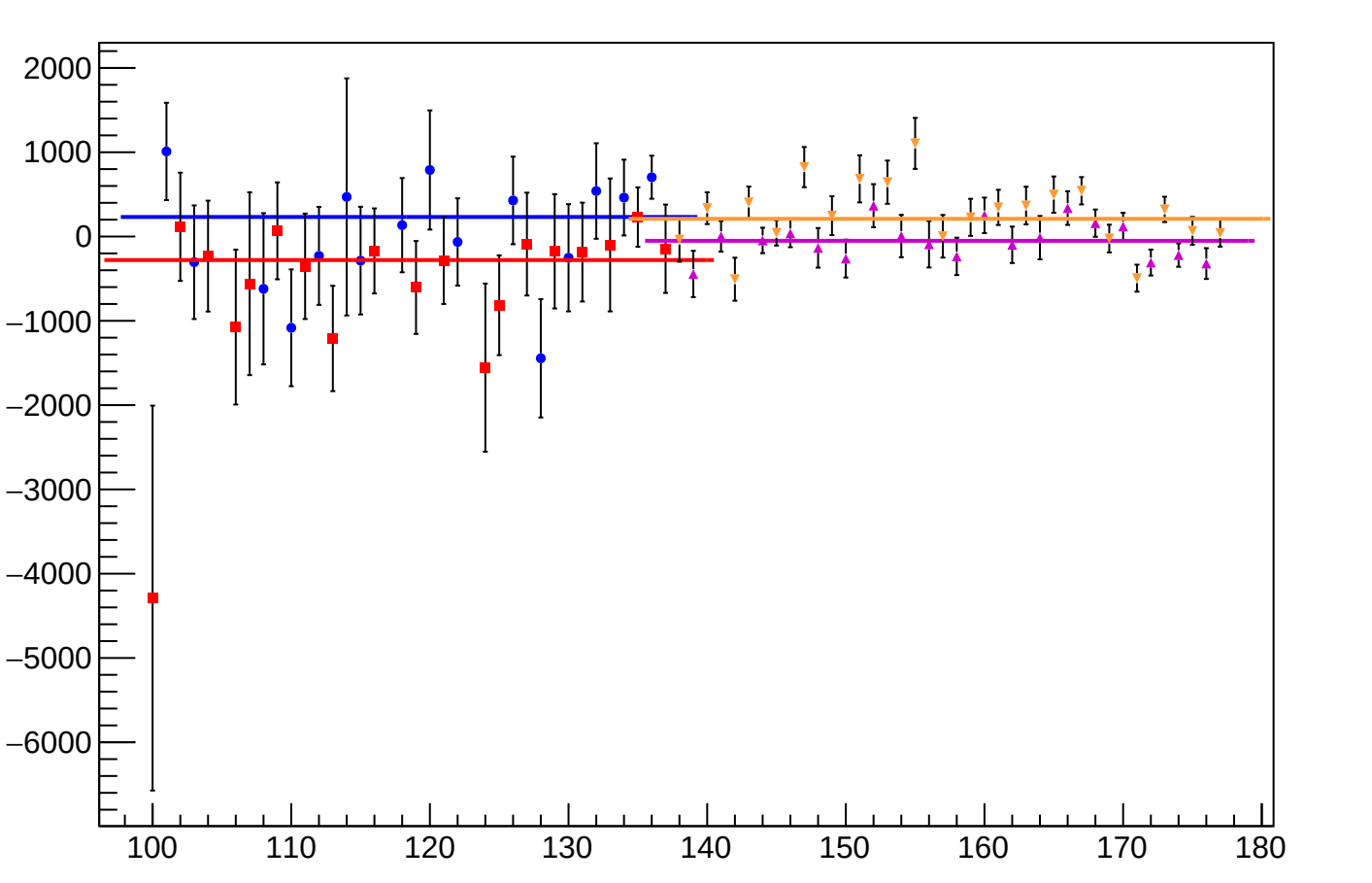
Left: 19.621+/-0.002 χ^2/NDF: 337358.0/39

Right: 26.676+/-0.005 χ^2/NDF: 1439621.2/34

In: 20.937+/-0.003 χ^2/NDF:1494051.6/34

Out: 20.983+/-0.003 χ^2/NDF:1846918.2/39

All: 20.960+/-0.002 χ^2/NDF: 3341075.1/74



Right In: 232.092+/-134.871 χ^2/NDF: 19.6/15

Left Out: 210.505+/-42.994 χ^2/NDF:64.1/20

Right Out: -279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: -50.523+/-44.183 χ^2/NDF:22.1/18

Left: 83.552+/-30.813 χ^2/NDF: 104.1/39

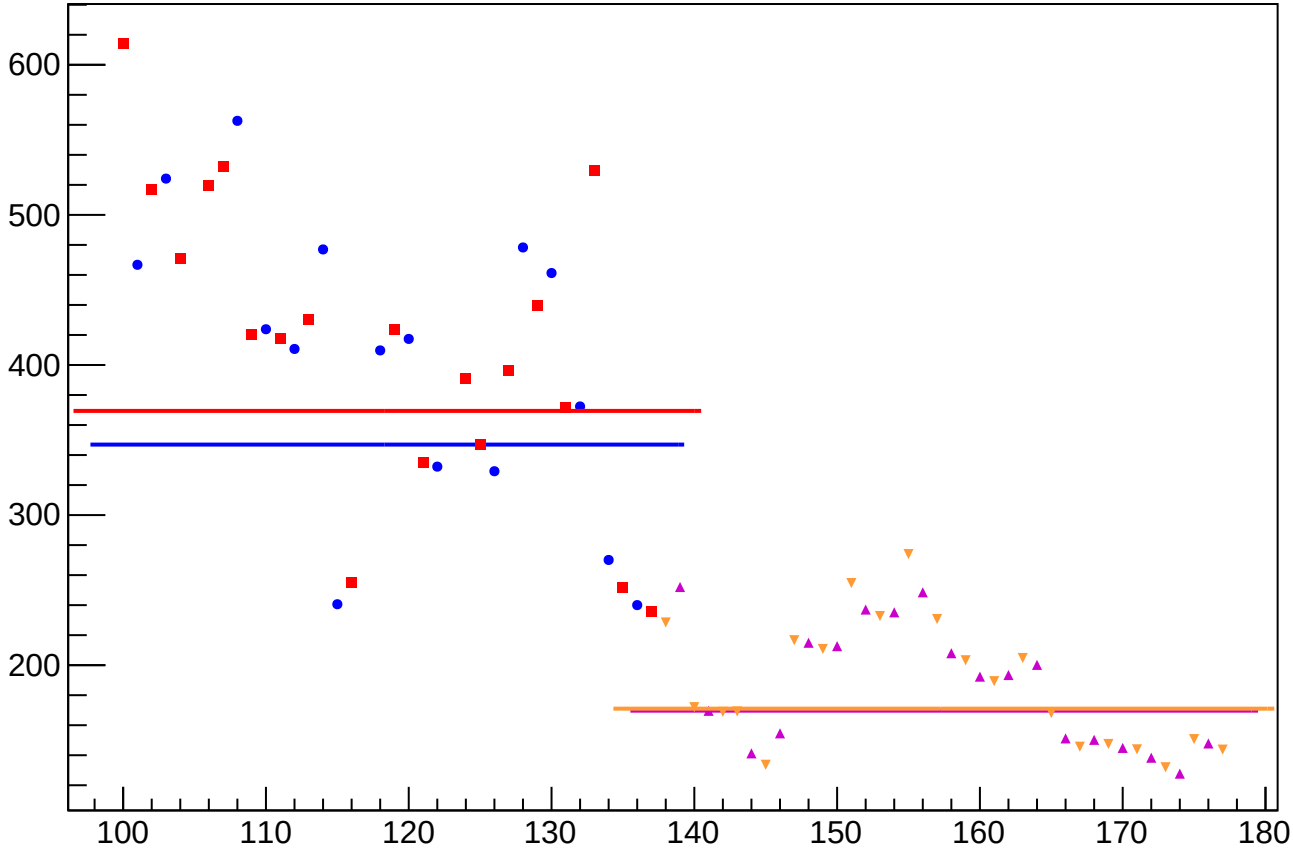
Right: -14.004+/-97.119 χ^2/NDF: 38.6/34

In: -23.133+/-41.987 χ^2/NDF:45.7/34

Out: 168.296+/-41.098 χ^2/NDF:87.4/39

All: 74.630+/-29.370 χ^2/NDF: 143.7/74

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: 171.033+/-0.030 χ^2/NDF:1466611.3/20

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

Left In: 169.704+/-0.031 χ^2/NDF:1377202.2/18

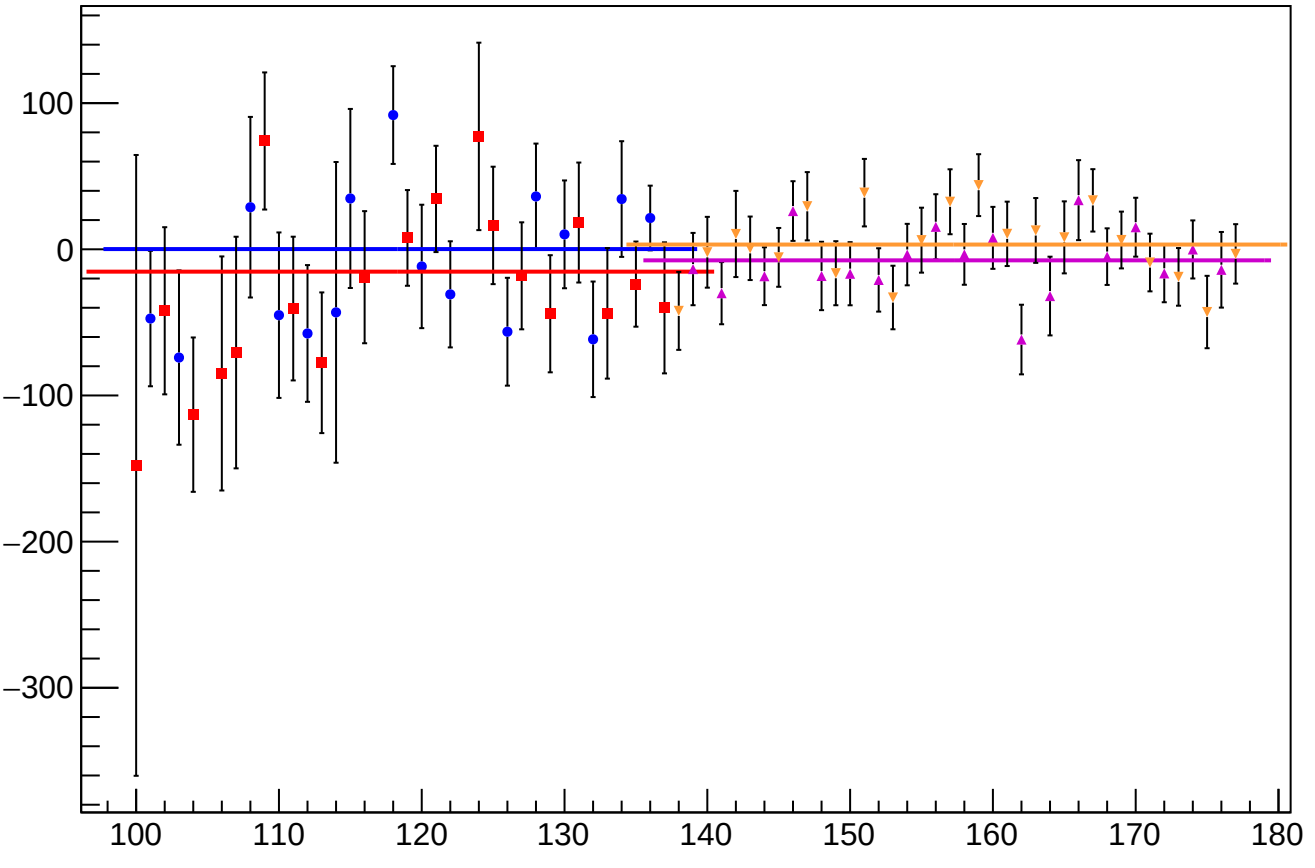
Left: 170.387+/-0.022 χ^2/NDF: 2844742.0/39

Right: 357.774+/-0.069 χ^2/NDF: 2003541.6/34

In: 186.884+/-0.030 χ^2/NDF:5555314.4/34

Out: 188.137+/-0.029 χ^2/NDF:6056744.1/39

All: 187.524+/-0.021 χ^2/NDF: 11612967.4/74



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 3.250+/-4.833 χ^2/NDF:23.4/20

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -7.560+/-5.005 χ^2/NDF:16.6/18

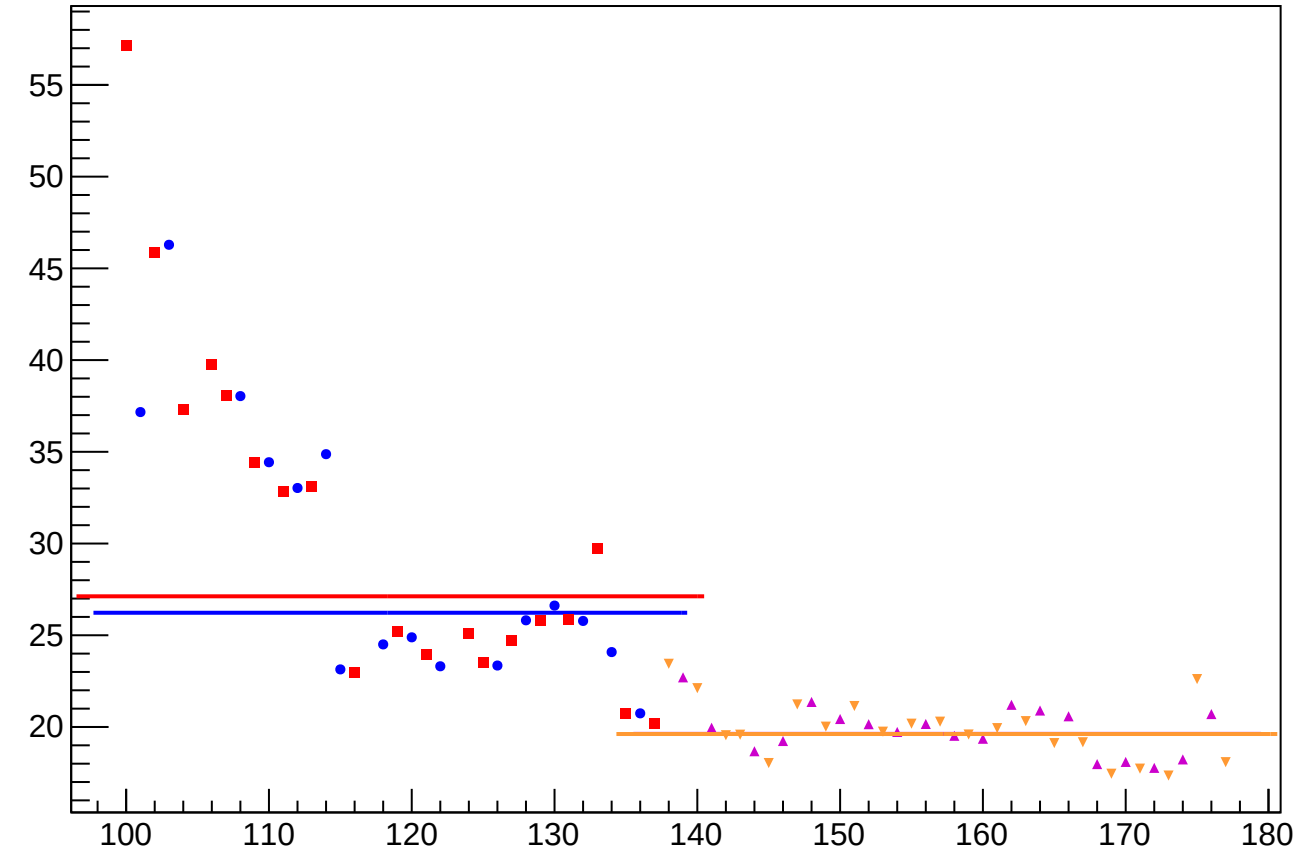
Left: -1.966+/-3.477 χ^2/NDF: 42.5/39

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -6.026+/-4.480 χ^2/NDF:38.4/34

Out: -0.112+/-4.373 χ^2/NDF:44.0/39

All: -2.997+/-3.129 χ^2/NDF: 83.3/74



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 19.617+/-0.003 χ^2/NDF:211231.3/20

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 19.624+/-0.004 χ^2/NDF:126124.4/18

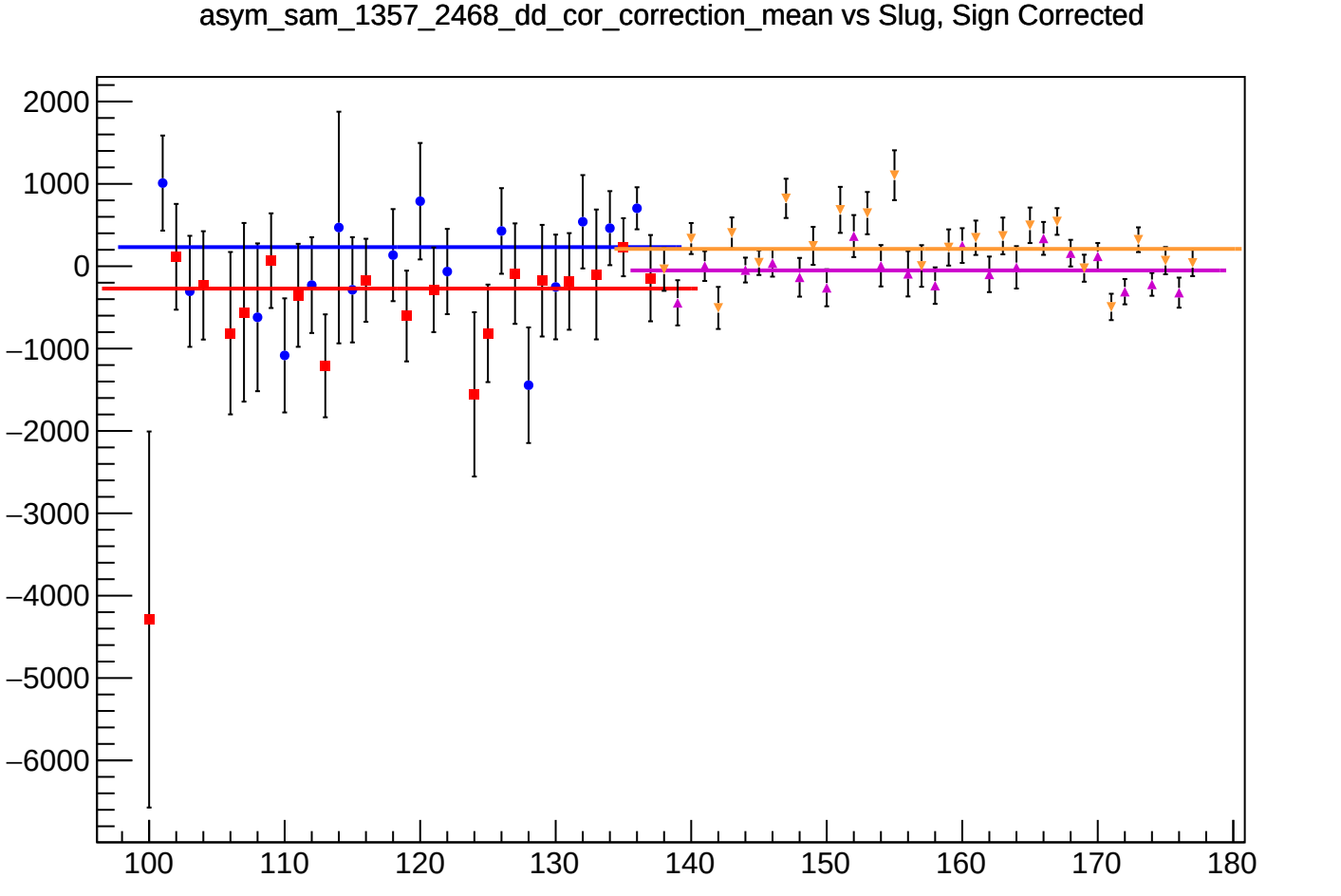
Left: 19.621+/-0.002 χ^2/NDF: 337358.0/39

Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 20.937+/-0.003 χ^2/NDF:1494054.9/34

Out: 20.978+/-0.003 χ^2/NDF:1831818.5/39

All: 20.958+/-0.002 χ^2/NDF: 3325959.6/74



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 210.503+/-42.994 χ^2/NDF:64.1/20

Right Out: -271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: -50.524+/-44.183 χ^2/NDF:22.1/18

Left: 83.551+/-30.813 χ^2/NDF: 104.1/39

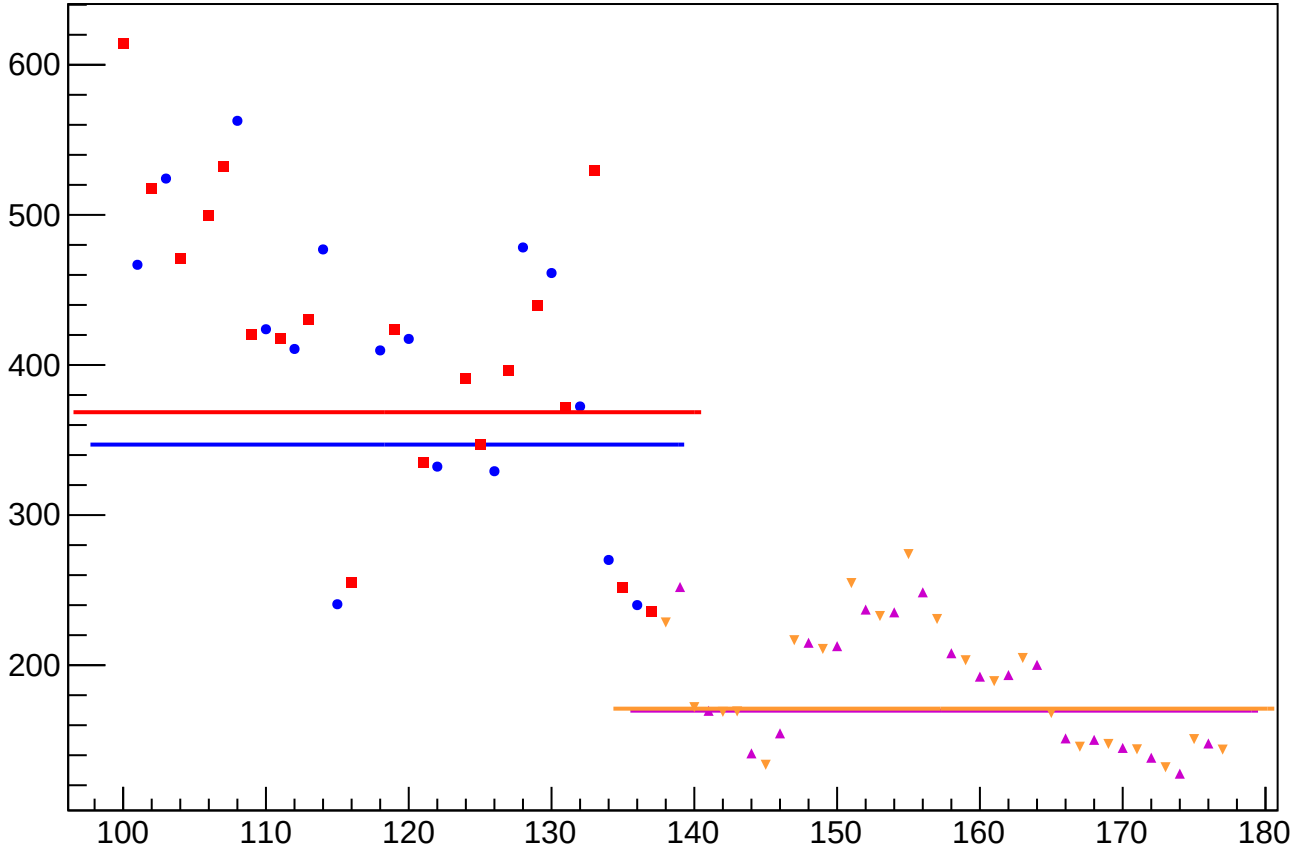
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: -23.134+/-41.987 χ^2/NDF:45.7/34

Out: 169.070+/-41.104 χ^2/NDF:86.5/39

All: 75.012+/-29.372 χ^2/NDF: 142.9/74

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: 171.033+/-0.030 χ^2/NDF:1466614.0/20

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 169.704+/-0.031 χ^2/NDF:1377199.2/18

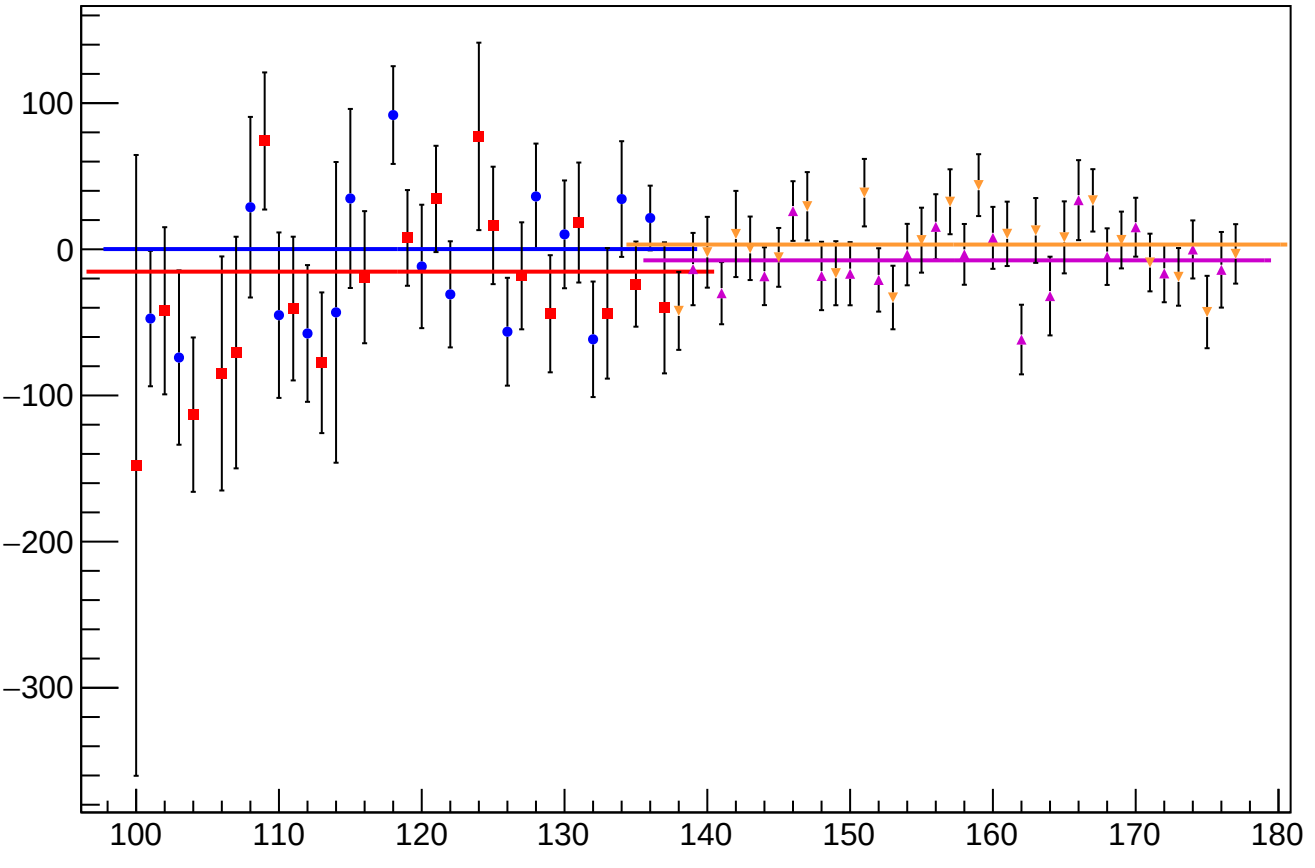
Left: 170.387+/-0.022 χ^2/NDF: 2844741.5/39

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 186.884+/-0.030 χ^2/NDF:5555332.5/34

Out: 188.014+/-0.029 χ^2/NDF:5995780.7/39

All: 187.461+/-0.021 χ^2/NDF: 11551852.0/74



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 3.250+/-4.833 χ^2/NDF:23.4/20

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -7.560+/-5.005 χ^2/NDF:16.6/18

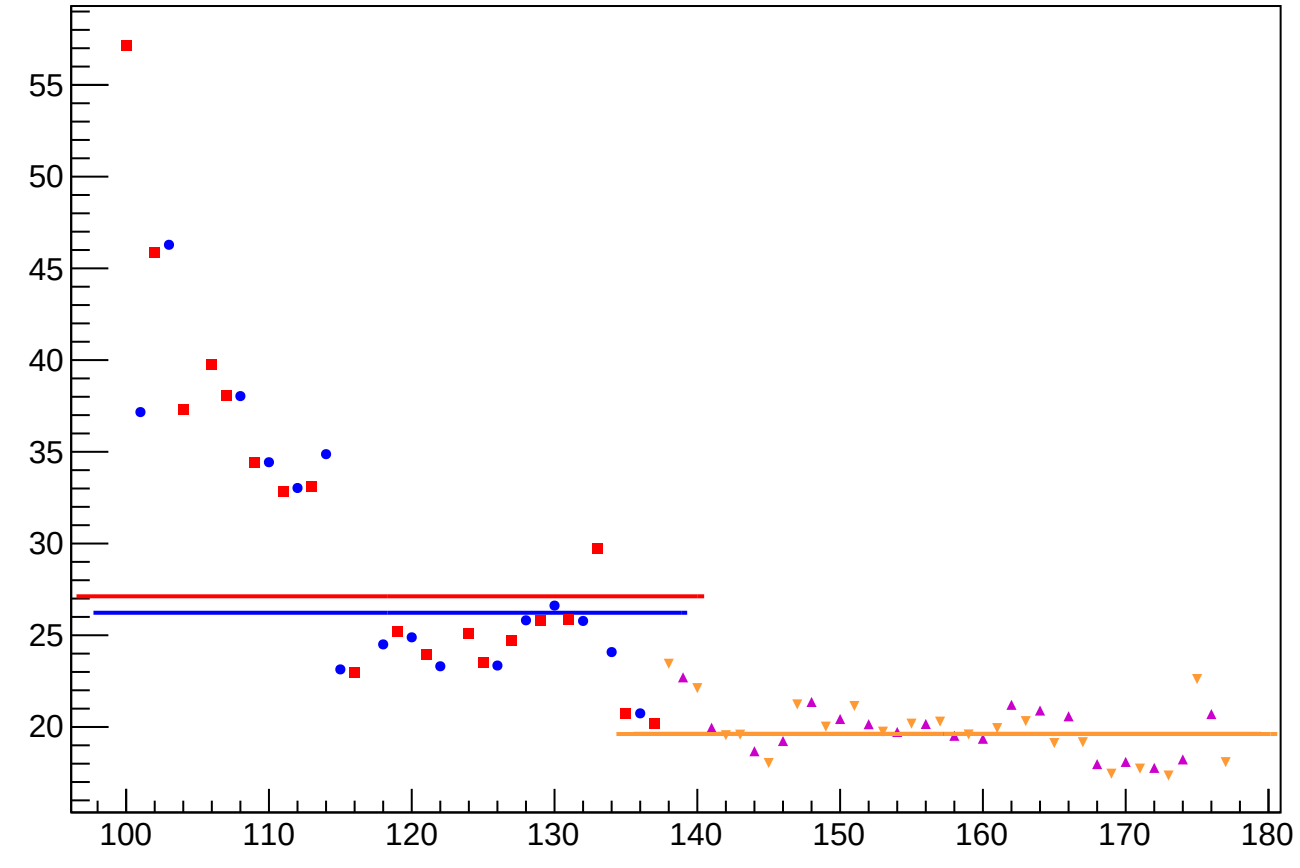
Left: -1.966+/-3.477 χ^2/NDF: 42.5/39

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -6.026+/-4.480 χ^2/NDF:38.4/34

Out: -0.112+/-4.373 χ^2/NDF:44.0/39

All: -2.997+/-3.129 χ^2/NDF: 83.3/74



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 19.617+/-0.003 χ^2/NDF:211231.3/20

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 19.624+/-0.004 χ^2/NDF:126124.4/18

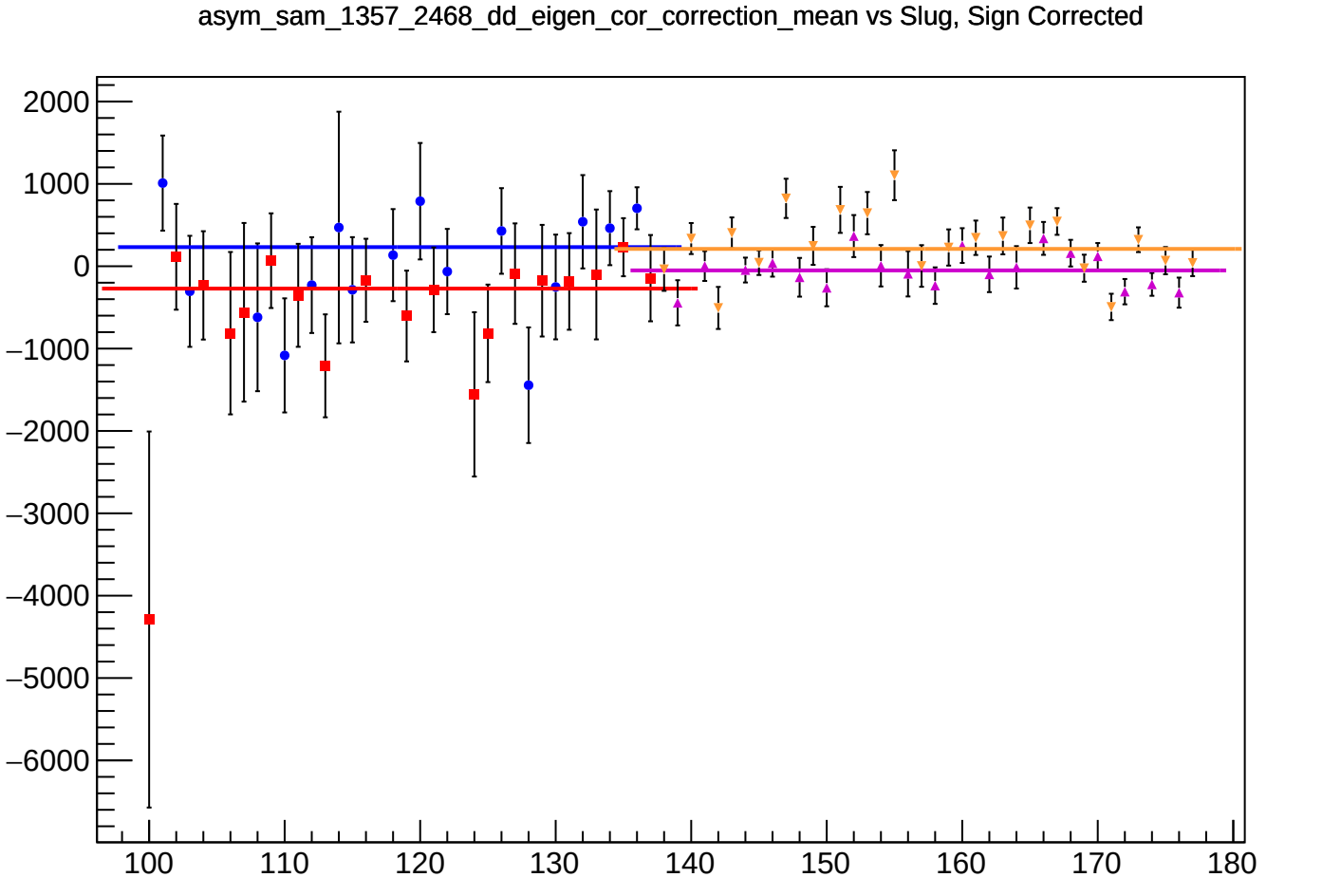
Left: 19.621+/-0.002 χ^2/NDF: 337358.0/39

Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 20.937+/-0.003 χ^2/NDF:1494054.9/34

Out: 20.978+/-0.003 χ^2/NDF:1831818.5/39

All: 20.958+/-0.002 χ^2/NDF: 3325959.6/74



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 210.503+/-42.994 χ^2/NDF:64.1/20

Right Out: -271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: -50.524+/-44.183 χ^2/NDF:22.1/18

Left: 83.551+/-30.813 χ^2/NDF: 104.1/39

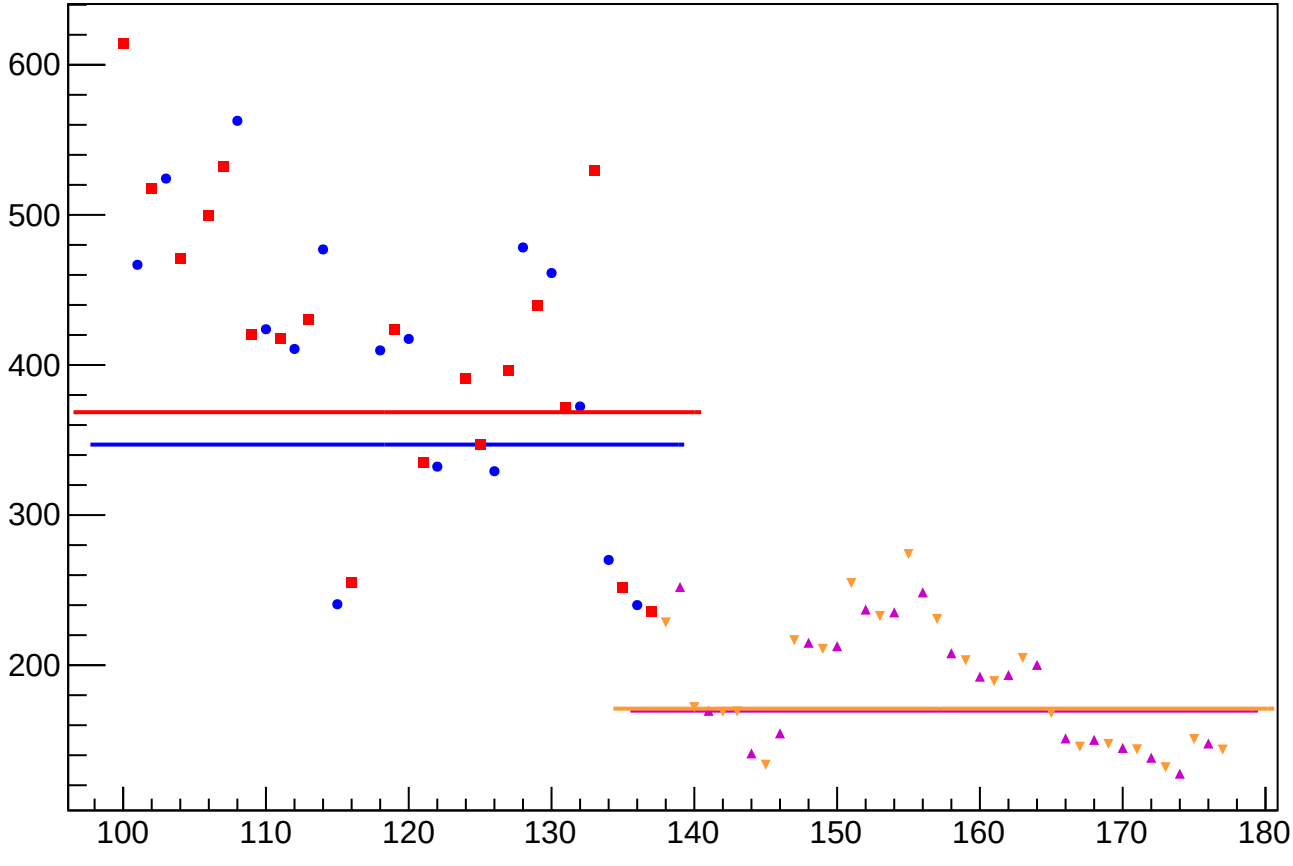
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: -23.134+/-41.987 χ^2/NDF:45.7/34

Out: 169.070+/-41.104 χ^2/NDF:86.5/39

All: 75.012+/-29.372 χ^2/NDF: 142.9/74

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: 171.033+/-0.030 χ^2/NDF:1466614.0/20

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 169.704+/-0.031 χ^2/NDF:1377199.2/18

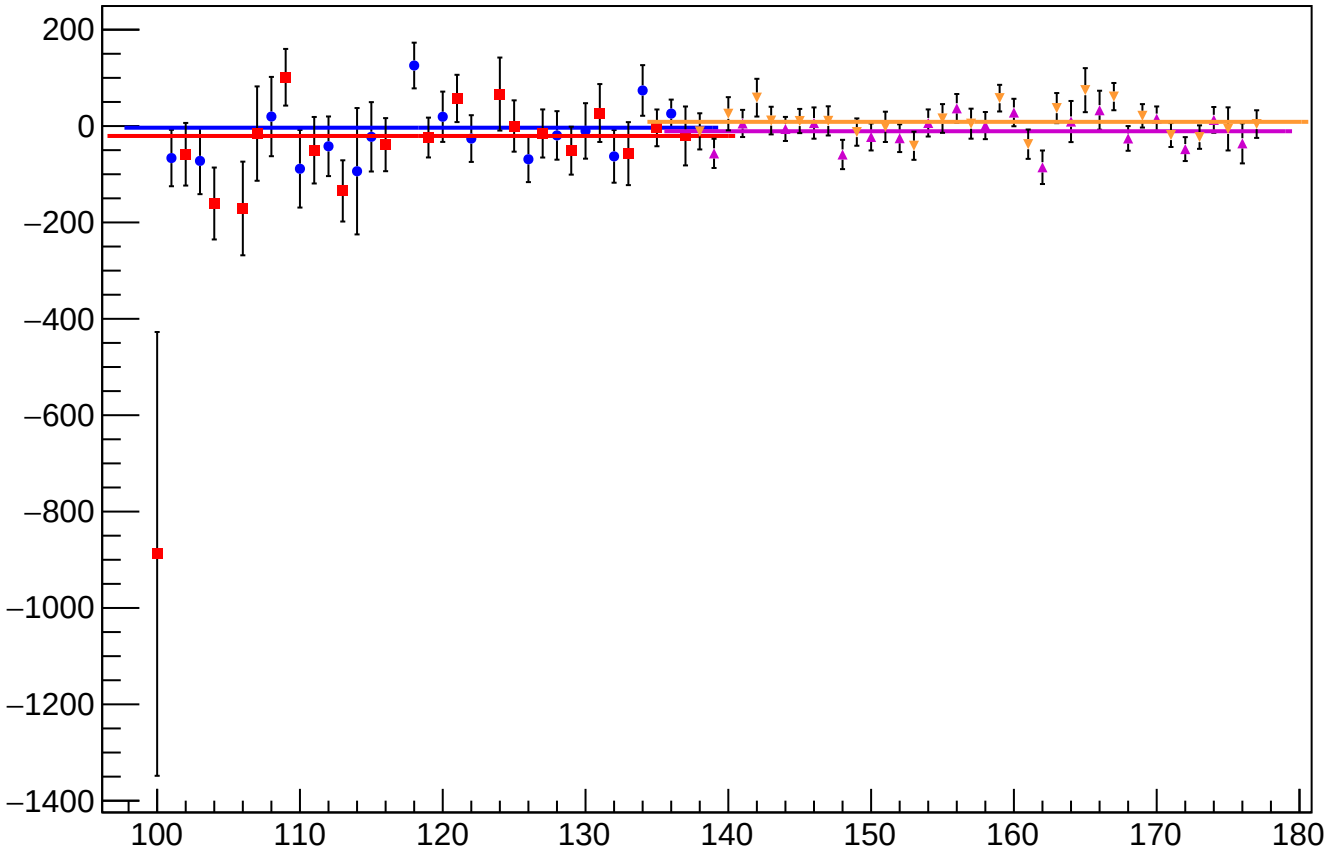
Left: 170.387+/-0.022 χ^2/NDF: 2844741.5/39

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 186.884+/-0.030 χ^2/NDF:5555332.5/34

Out: 188.014+/-0.029 χ^2/NDF:5995780.7/39

All: 187.461+/-0.021 χ^2/NDF: 11551852.0/74



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 8.750+/-6.519 χ^2/NDF:20.9/20

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -10.751+/-6.739 χ^2/NDF:21.6/18

Left: -0.677+/-4.685 χ^2/NDF: 46.9/39

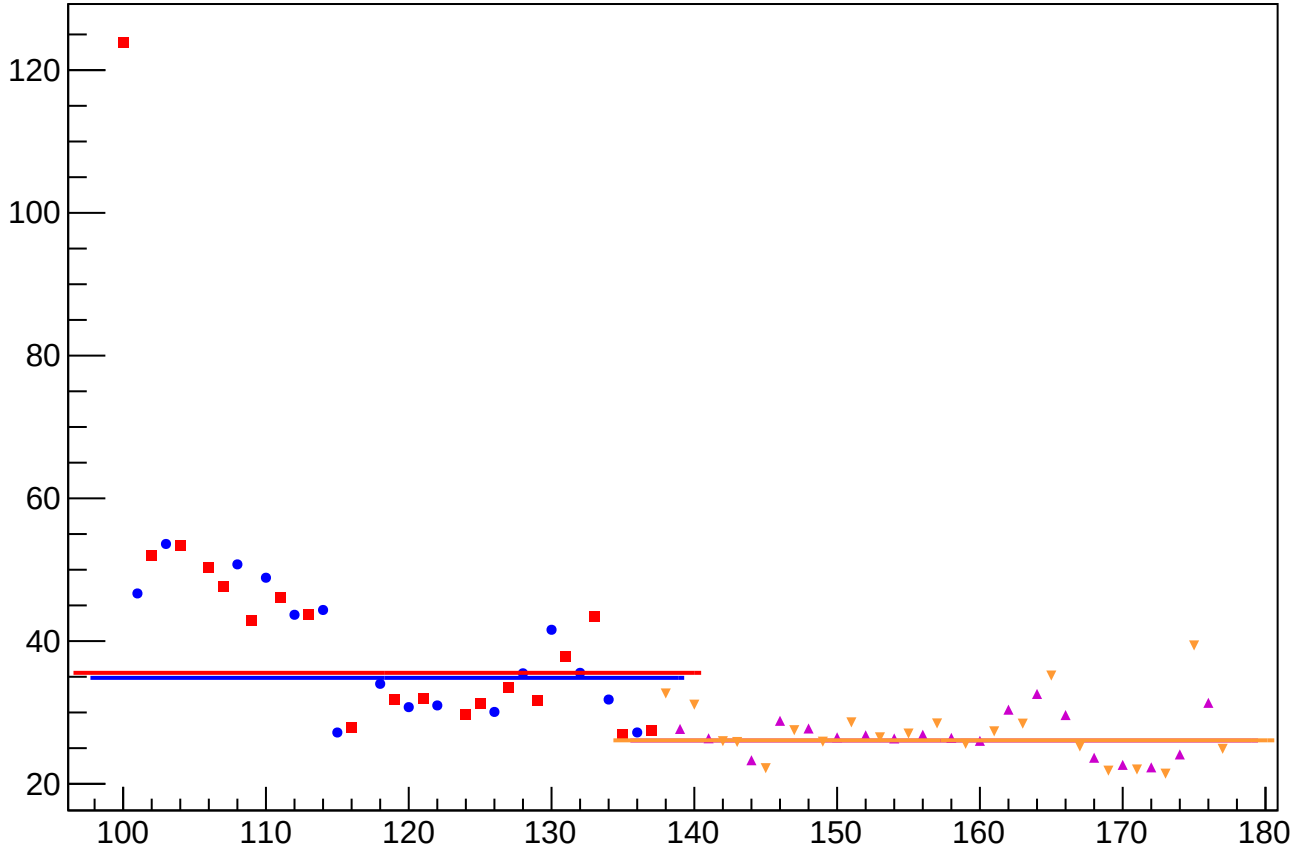
Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -9.271+/-6.020 χ^2/NDF:40.3/34

Out: 3.190+/-5.868 χ^2/NDF:47.9/39

All: -2.882+/-4.202 χ^2/NDF: 90.4/74

dit_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 26.097+/-0.005 χ^2/NDF:647840.2/20

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

Left In: 26.067+/-0.005 χ^2/NDF:290814.1/18

Left: 26.082+/-0.003 χ^2/NDF: 938673.9/39

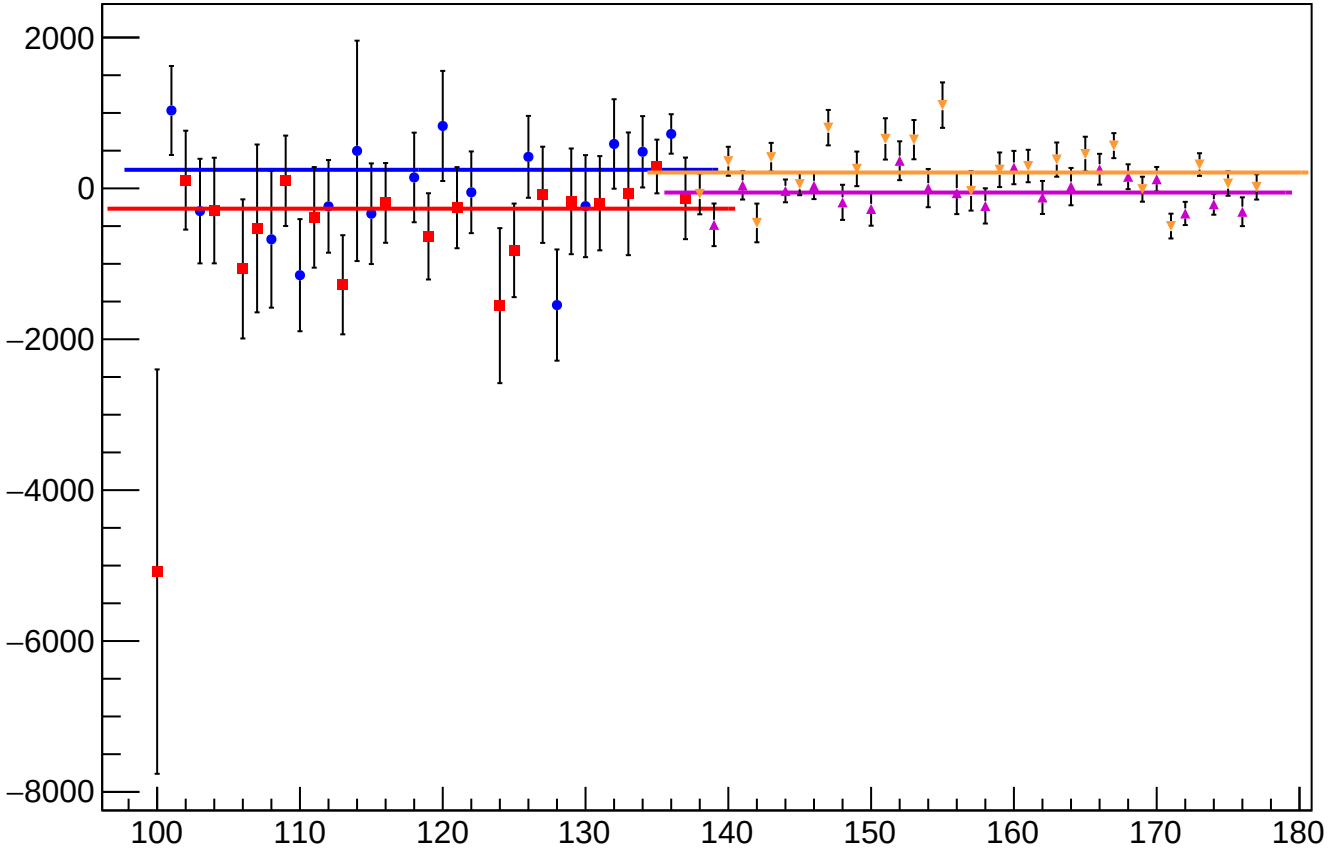
Right: 35.200+/-0.007 χ^2/NDF: 1440755.9/34

In: 27.842+/-0.004 χ^2/NDF:1635391.2/34

Out: 27.890+/-0.004 χ^2/NDF:2225919.7/39

All: 27.866+/-0.003 χ^2/NDF: 3861376.7/74

asym_sam_1357_2468_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 210.631+/-43.495 χ^2/NDF:61.9/20

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -55.011+/-44.889 χ^2/NDF:21.2/18

Left: 82.000+/-31.237 χ^2/NDF: 101.2/39

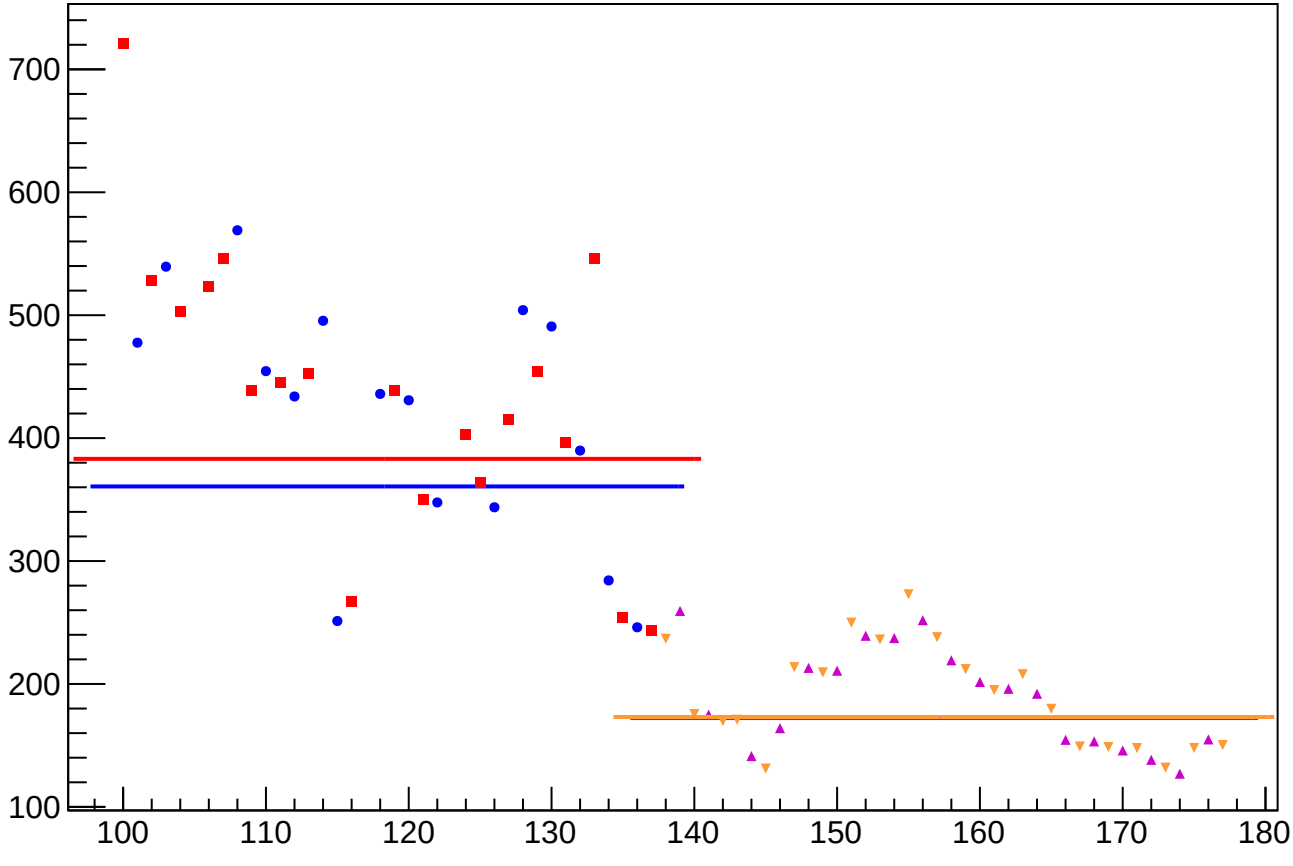
Right: -2.144+/-100.917 χ^2/NDF: 38.9/34

In: -27.002+/-42.753 χ^2/NDF:45.2/34

Out: 171.192+/-41.668 χ^2/NDF:84.5/39

All: 74.643+/-29.840 χ^2/NDF: 140.7/74

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: 173.125+/-0.031 χ^2/NDF:1499747.6/20

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

Left In: 172.271+/-0.032 χ^2/NDF:1406333.1/18

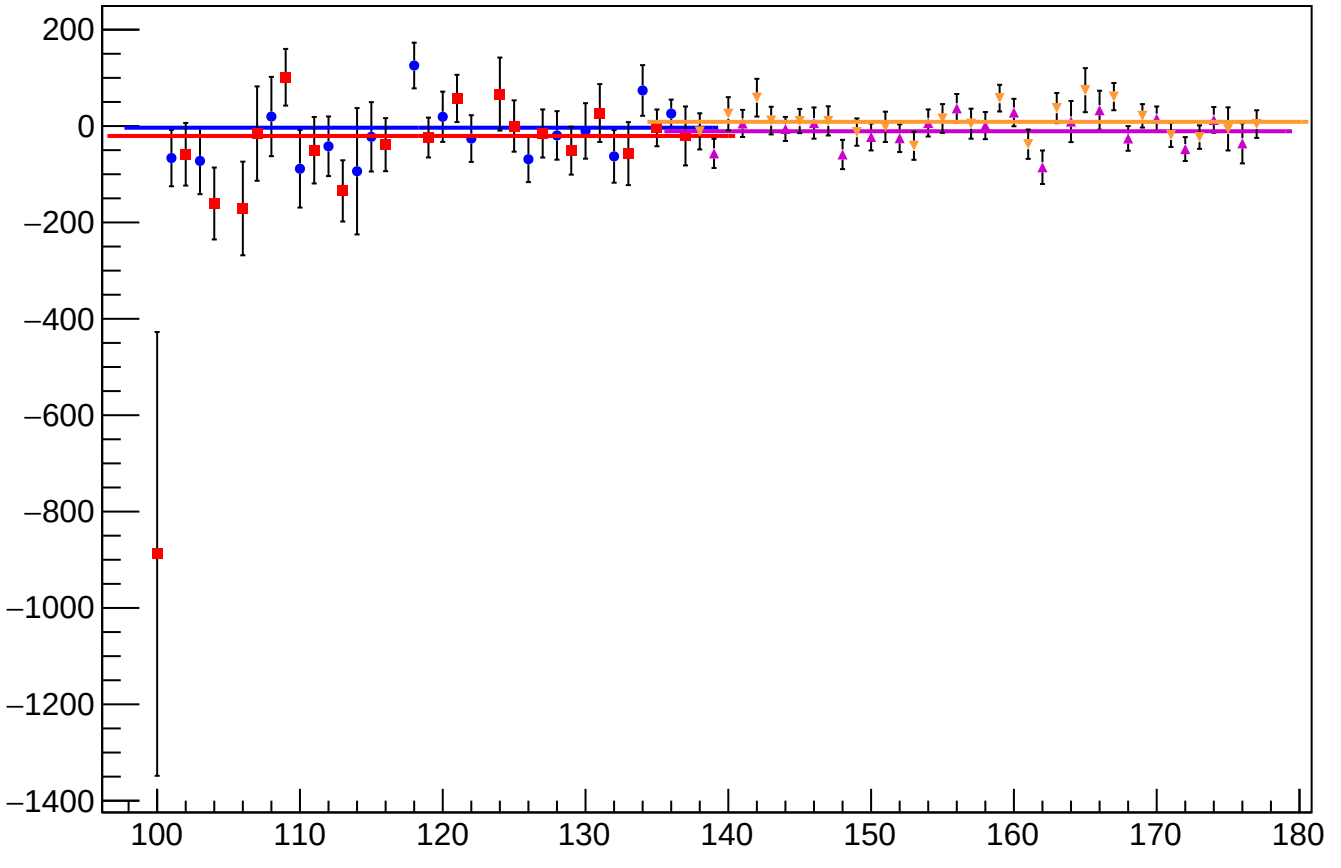
Left: 172.711+/-0.022 χ^2/NDF: 2906453.9/39

Right: 371.518+/-0.071 χ^2/NDF: 2080575.8/34

In: 189.774+/-0.030 χ^2/NDF:5772419.3/34

Out: 190.396+/-0.029 χ^2/NDF:6297484.1/39

All: 190.093+/-0.021 χ^2/NDF: 12070120.7/74



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 8.750+/-6.519 χ^2/NDF:20.9/20

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -10.751+/-6.739 χ^2/NDF:21.6/18

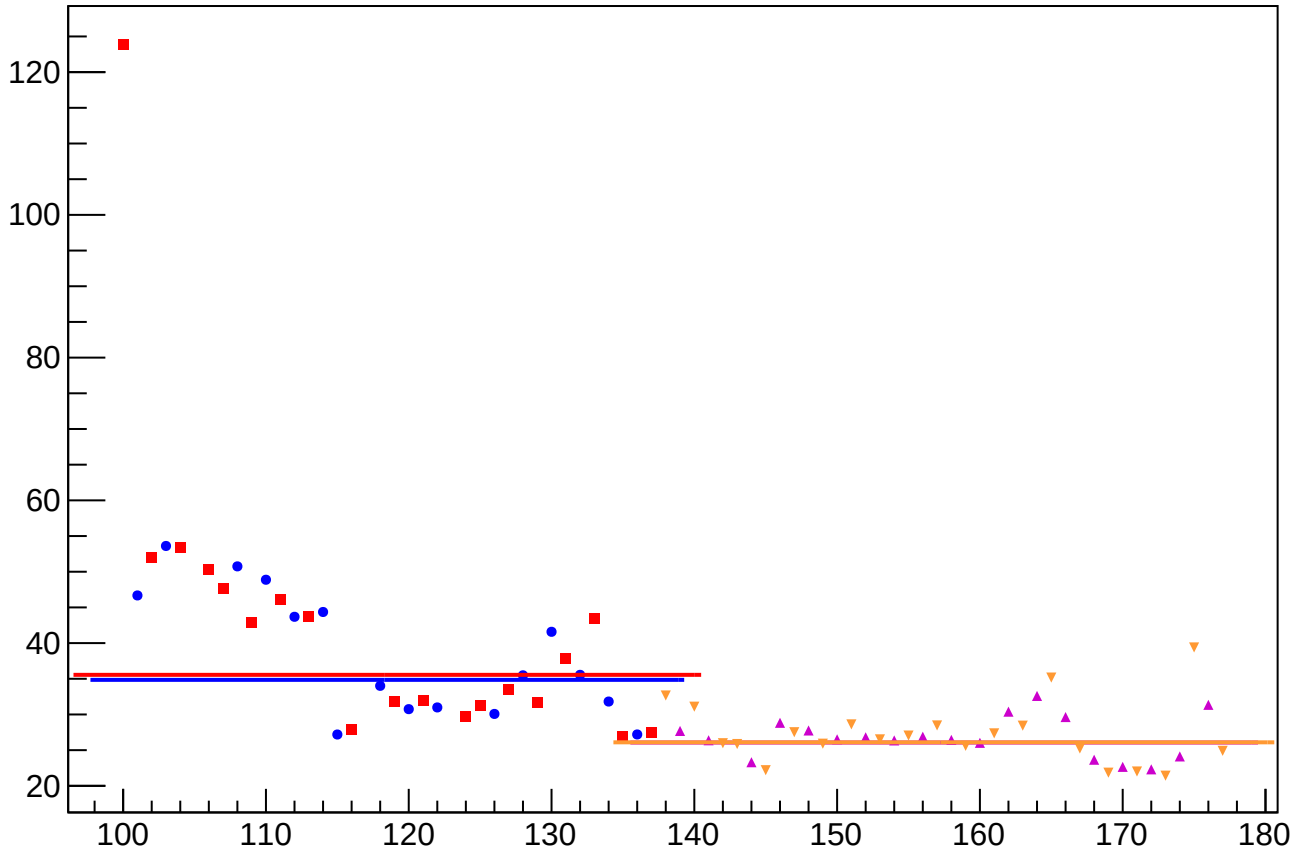
Left: -0.677+/-4.685 χ^2/NDF: 46.9/39

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -9.271+/-6.020 χ^2/NDF:40.3/34

Out: 3.190+/-5.868 χ^2/NDF:47.9/39

All: -2.882+/-4.202 χ^2/NDF: 90.4/74



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 26.097+/-0.005 χ^2/NDF:647833.7/20

Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 26.067+/-0.005 χ^2/NDF:290812.9/18

Left: 26.082+/-0.003 χ^2/NDF: 938666.2/39

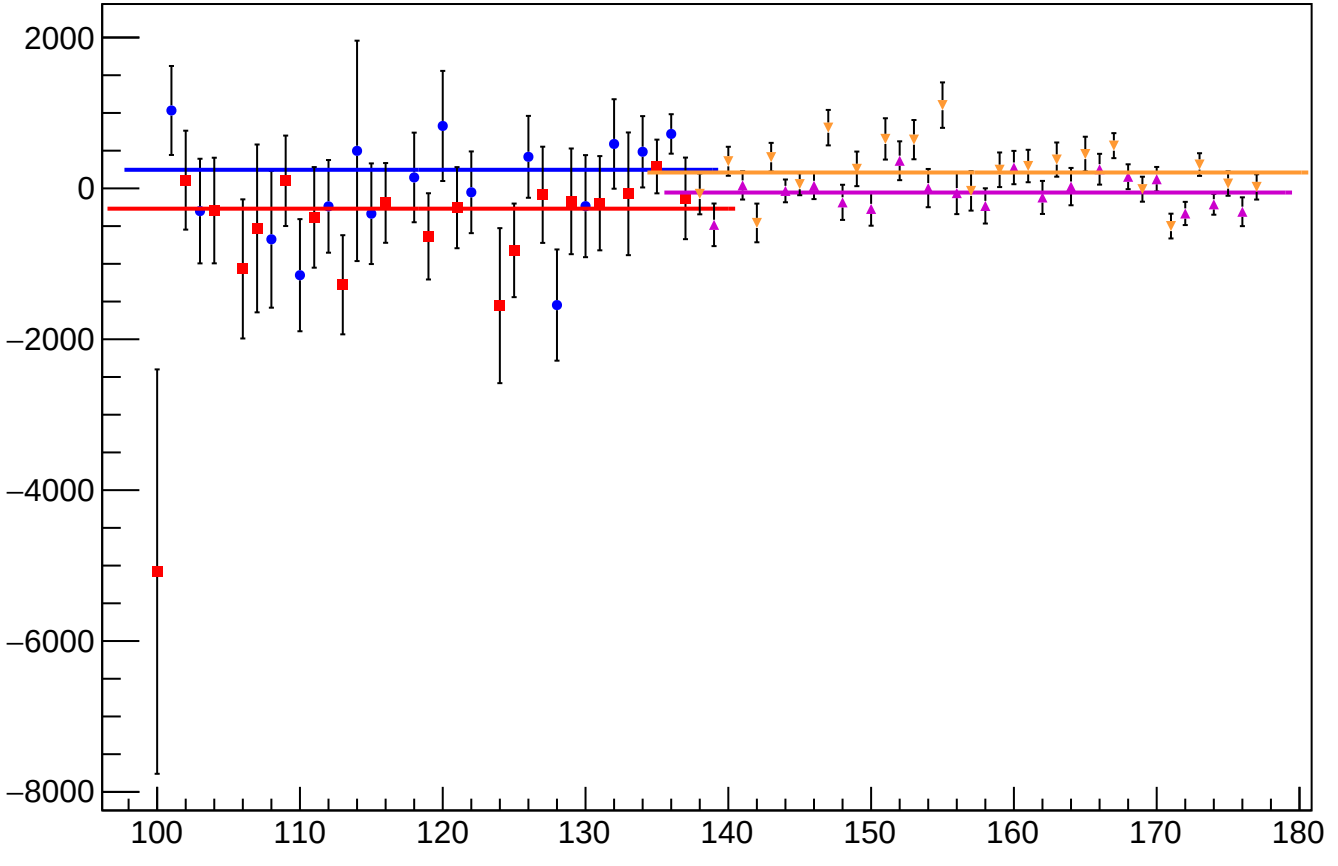
Right: 35.199+/-0.007 χ^2/NDF: 1440673.9/34

In: 27.842+/-0.004 χ^2/NDF:1635266.6/34

Out: 27.890+/-0.004 χ^2/NDF:2225815.8/39

All: 27.866+/-0.003 χ^2/NDF: 3861148.3/74

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 210.630+/-43.494 χ^2/NDF:61.9/20

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -55.010+/-44.889 χ^2/NDF:21.2/18

Left: 82.000+/-31.237 χ^2/NDF: 101.2/39

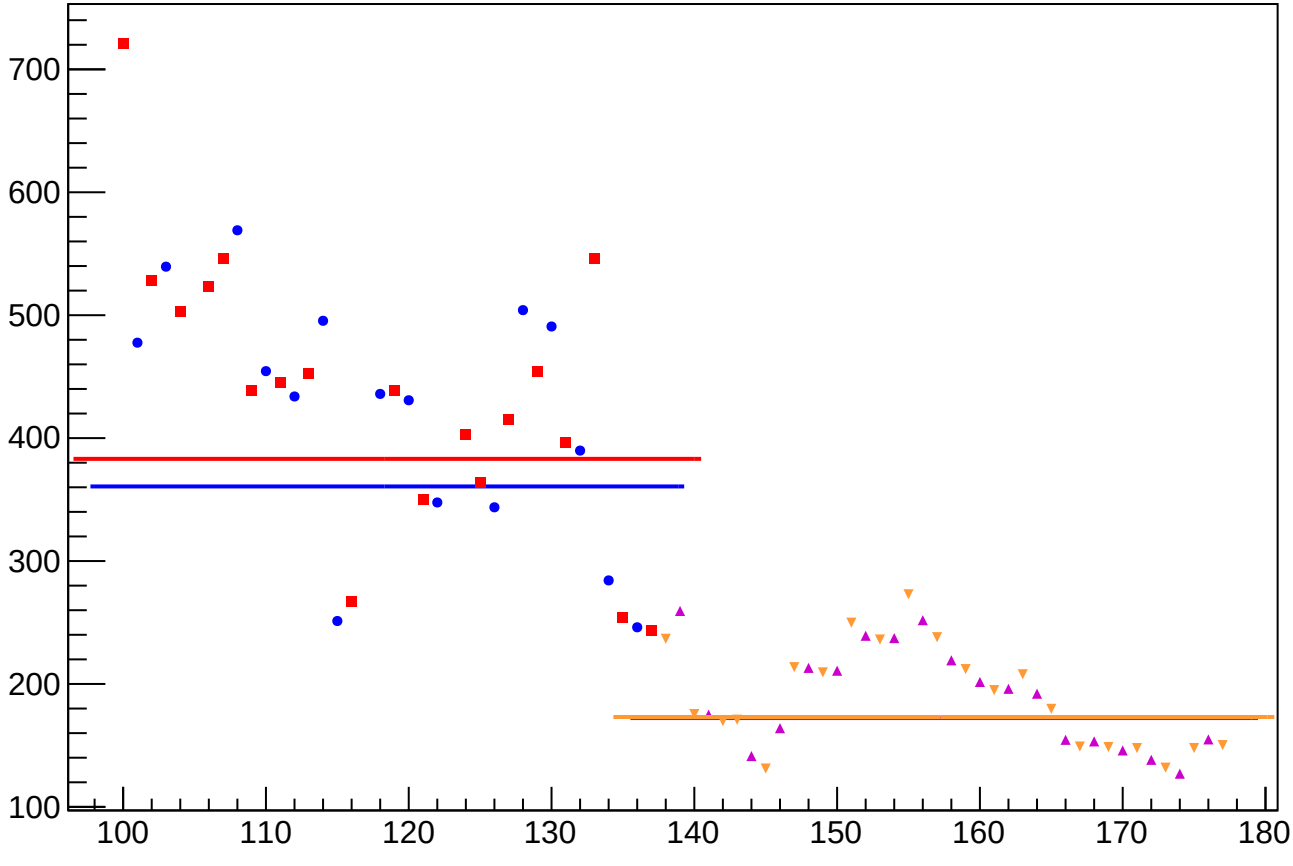
Right: -2.145+/-100.917 χ^2/NDF: 38.9/34

In: -27.002+/-42.753 χ^2/NDF:45.2/34

Out: 171.192+/-41.668 χ^2/NDF:84.5/39

All: 74.643+/-29.840 χ^2/NDF: 140.7/74

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: 173.124+/-0.031 χ^2/NDF:1499763.9/20

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

Left In: 172.271+/-0.032 χ^2/NDF:1406347.1/18

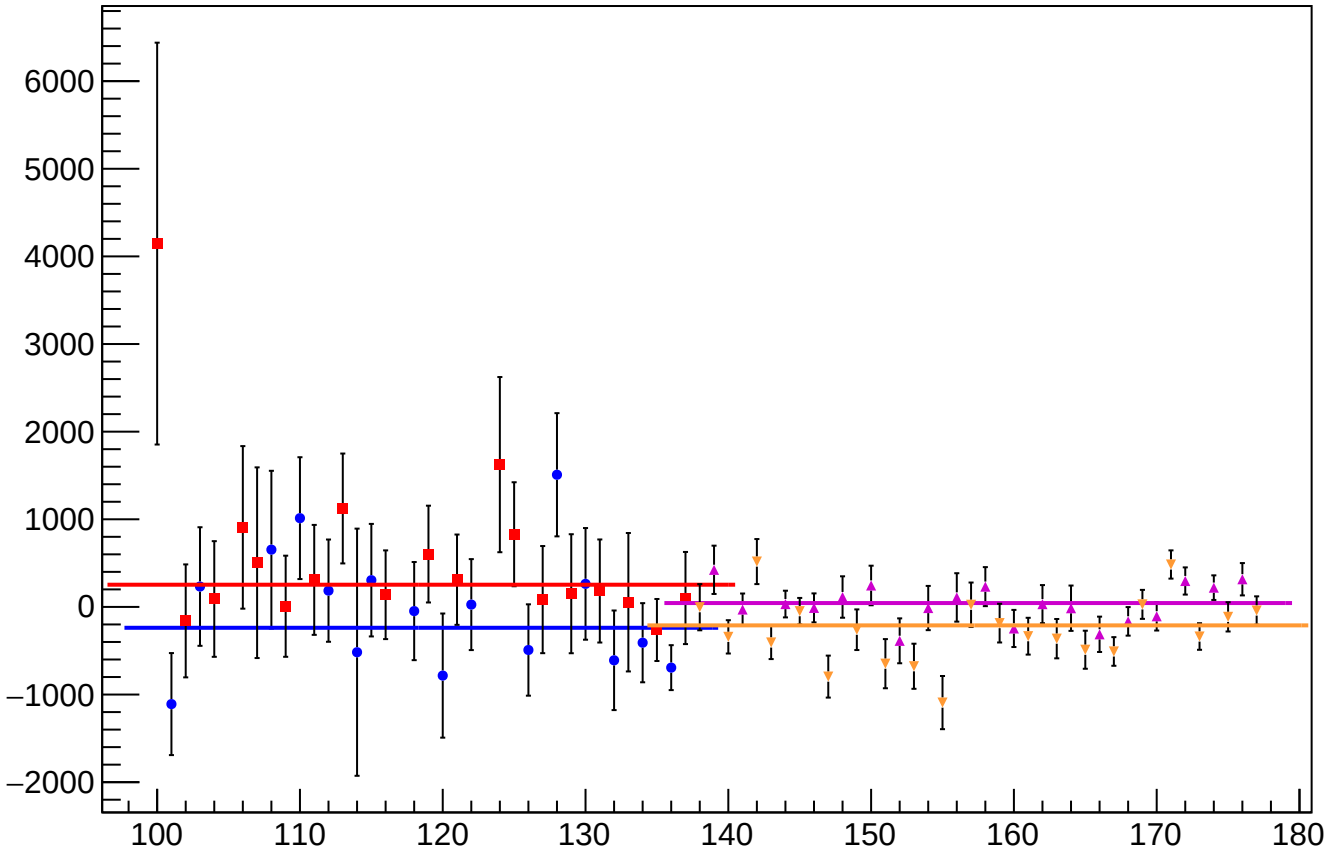
Left: 172.711+/-0.022 χ^2/NDF: 2906484.2/39

Right: 371.517+/-0.071 χ^2/NDF: 2080563.7/34

In: 189.773+/-0.030 χ^2/NDF:5772430.4/34

Out: 190.396+/-0.029 χ^2/NDF:6297498.8/39

All: 190.093+/-0.021 χ^2/NDF: 12070146.5/74



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -210.626+/-43.302 χ^2/NDF:60.9/20

Right Out: 253.445+/-140.414 χ^2/NDF: 11.7/18

Left In: 44.193+/-44.508 χ^2/NDF:20.6/18

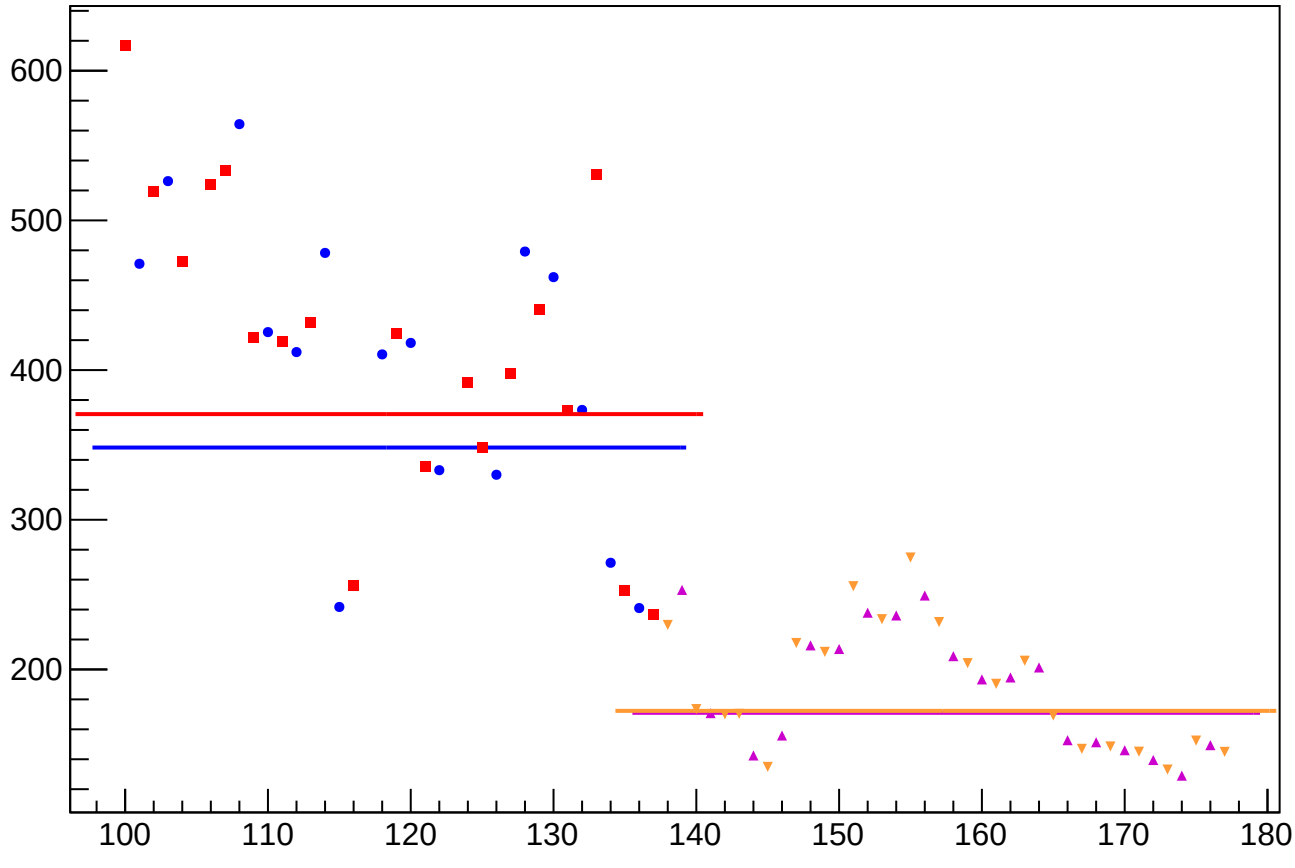
Left: -86.715+/-31.037 χ^2/NDF: 98.4/39

Right: -1.323+/-97.448 χ^2/NDF: 38.0/34

In: 16.651+/-42.281 χ^2/NDF:44.5/34

Out: -170.324+/-41.379 χ^2/NDF:82.6/39

All: -78.850+/-29.573 χ^2/NDF: 137.1/74



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 172.335+/-0.031 χ^2/NDF:1441827.6/20

Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 171.033+/-0.031 χ^2/NDF:1351406.9/18

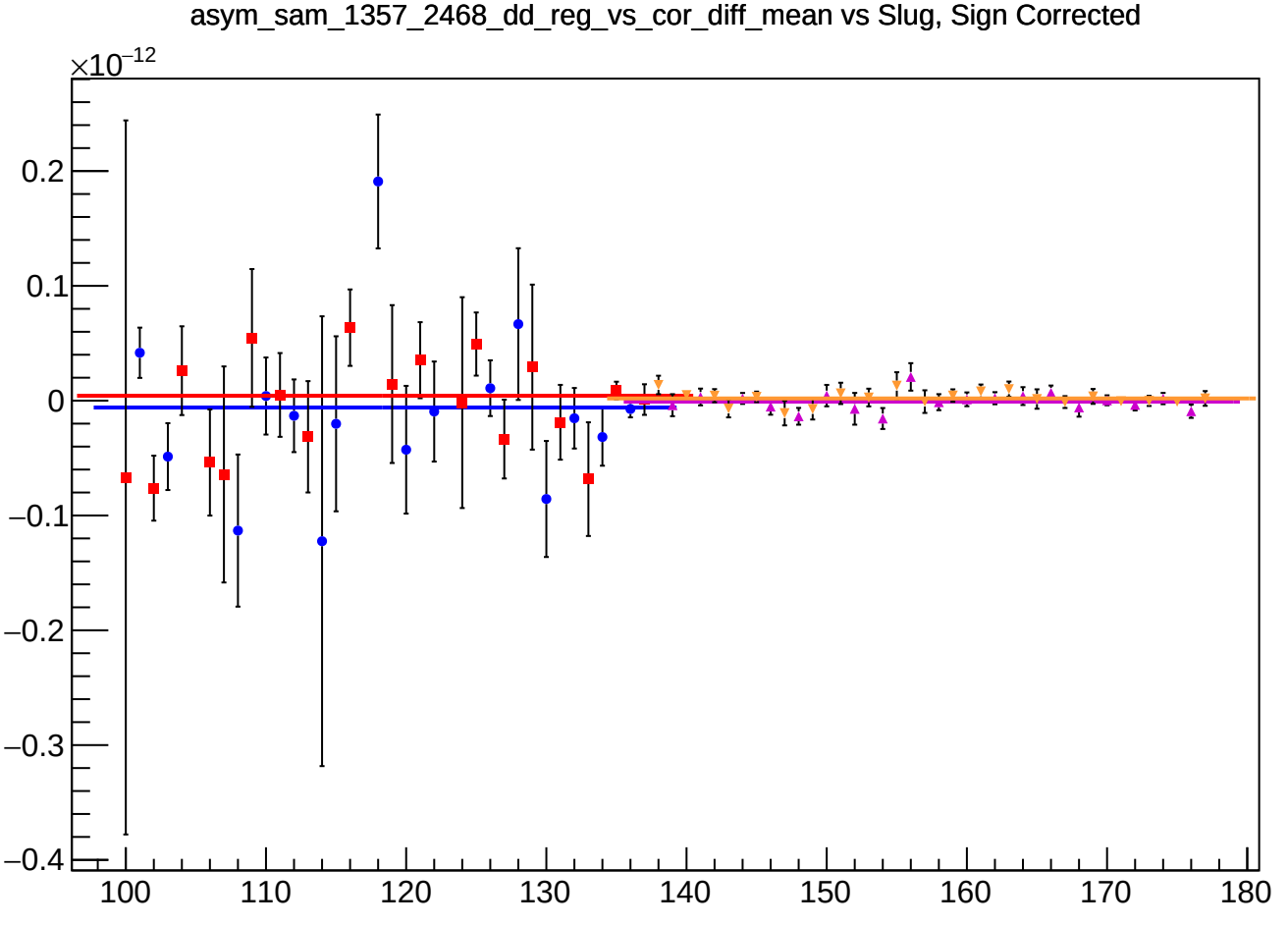
Left: 171.702+/-0.022 χ^2/NDF: 2794114.1/39

Right: 359.009+/-0.069 χ^2/NDF: 2000959.8/34

In: 188.327+/-0.030 χ^2/NDF:5502439.5/34

Out: 189.553+/-0.029 χ^2/NDF:6000399.2/39

All: 188.953+/-0.021 χ^2/NDF: 11503697.2/74



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.6/20

Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/18

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

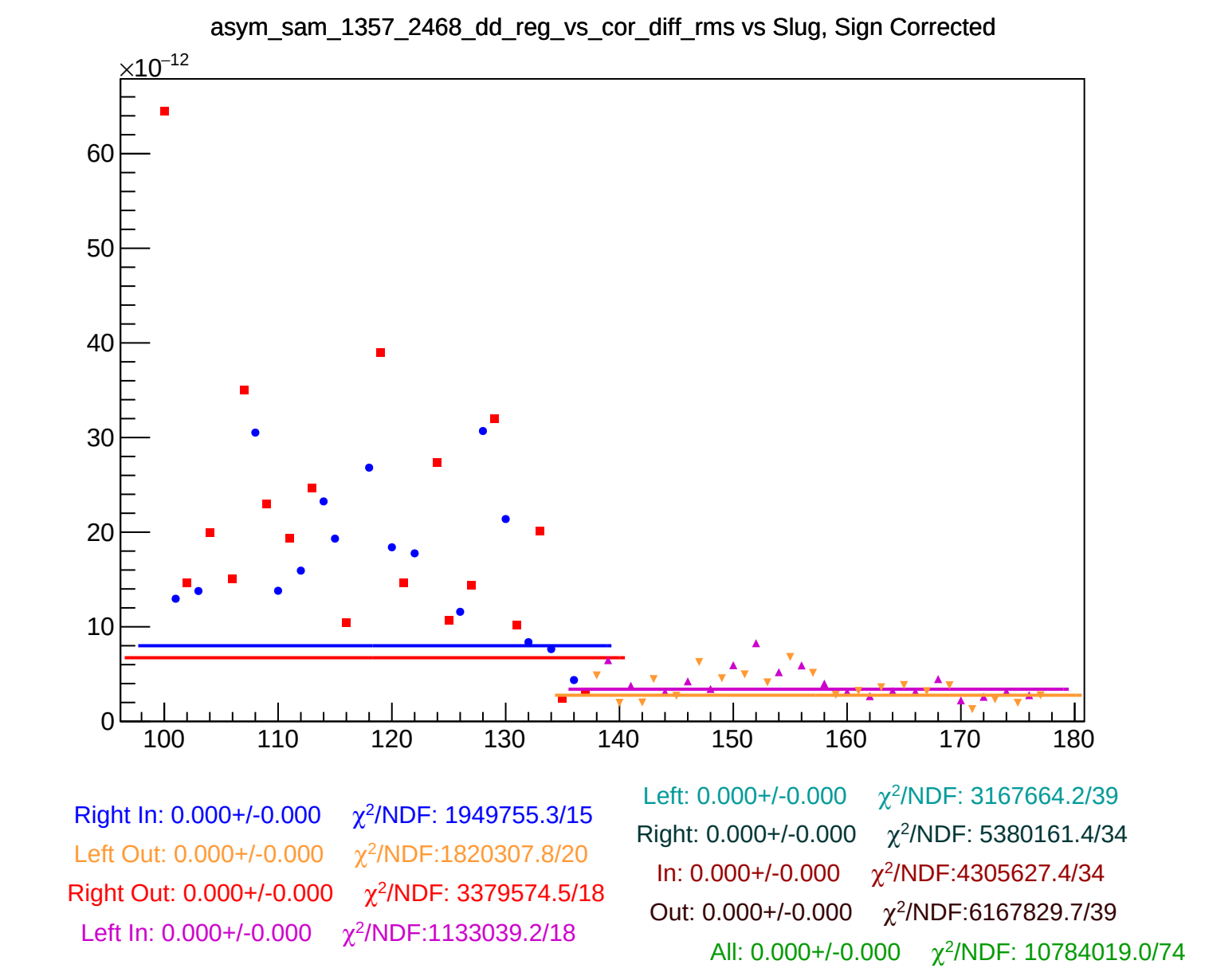
Left: 0.000+/-0.000 χ^2/NDF: 30.7/39

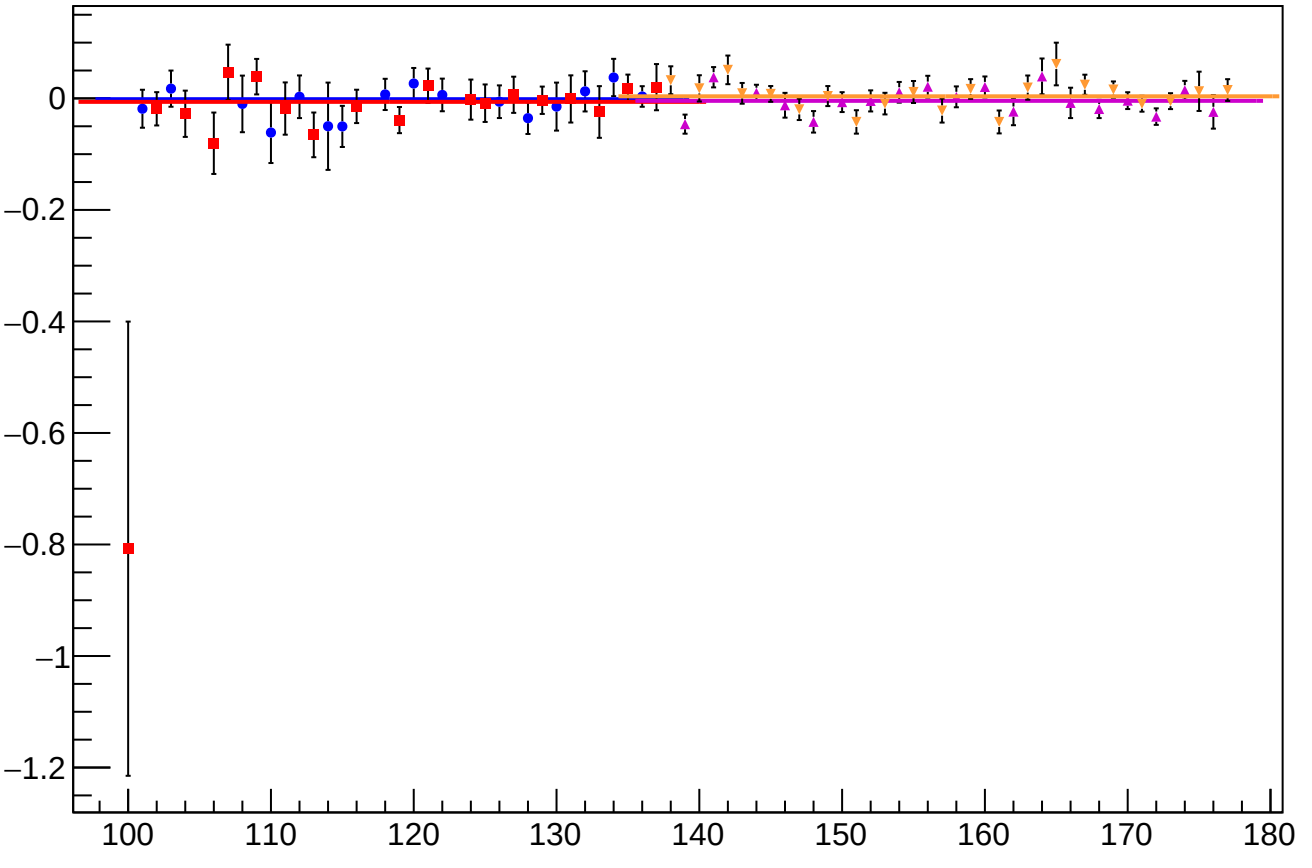
Right: -0.000+/-0.000 χ^2/NDF: 51.9/34

In: -0.000+/-0.000 χ^2/NDF:44.0/34

Out: 0.000+/-0.000 χ^2/NDF:35.8/39

All: 0.000+/-0.000 χ^2/NDF: 82.7/74


asym_sam_1357_2468_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: 1949755.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1820307.8/20
Right Out: 0.000+/-0.000 χ²/NDF: 3379574.5/18
Left In: 0.000+/-0.000 χ²/NDF:1133039.2/18
Left: 0.000+/-0.000 χ²/NDF: 3167664.2/39
Right: 0.000+/-0.000 χ²/NDF: 5380161.4/34
In: 0.000+/-0.000 χ²/NDF:4305627.4/34
Out: 0.000+/-0.000 χ²/NDF:6167829.7/39
All: 0.000+/-0.000 χ²/NDF: 10784019.0/74



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.004 χ^2/NDF:25.6/20

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.004+/-0.004 χ^2/NDF:29.2/18

Left: -0.000+/-0.003 χ^2/NDF: 56.7/39

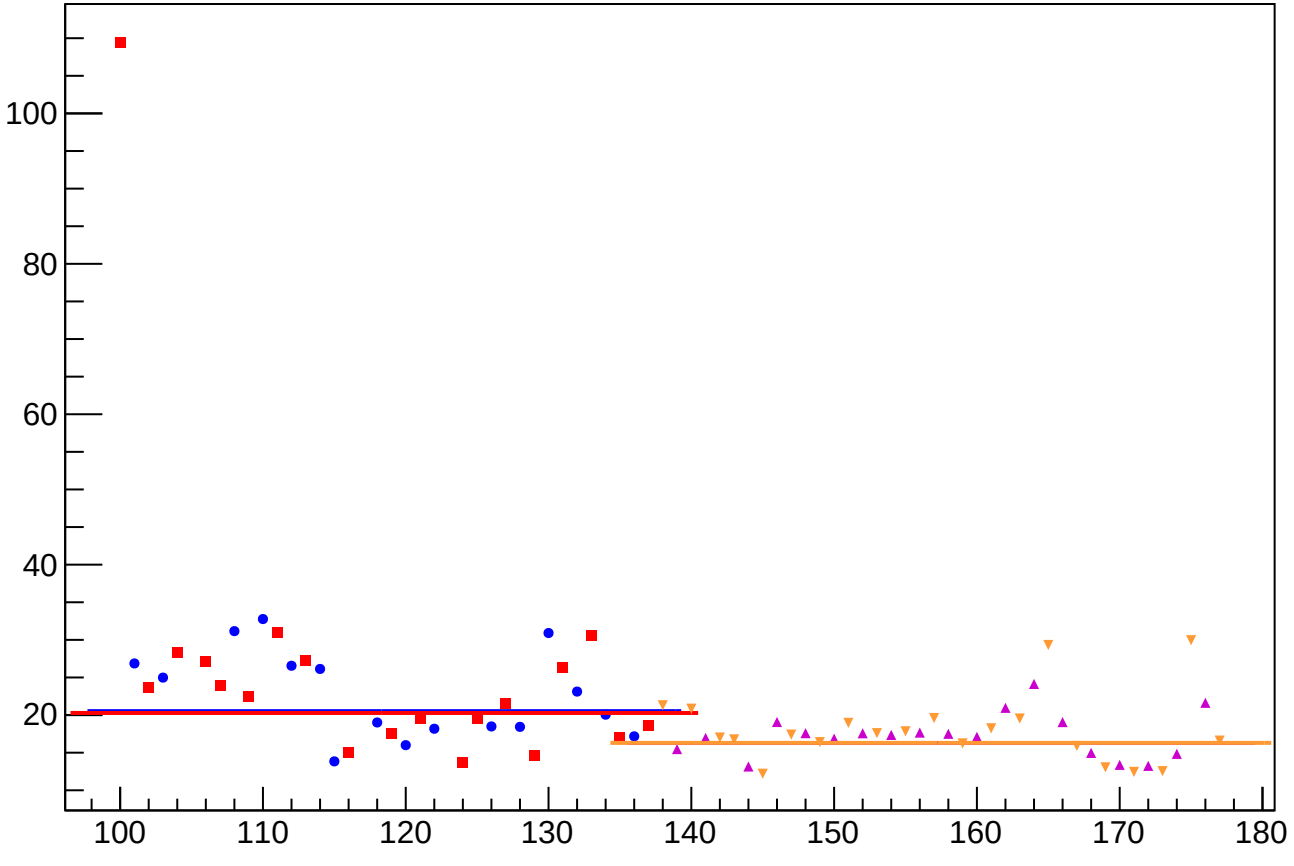
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.004+/-0.004 χ^2/NDF:37.6/34

Out: 0.002+/-0.004 χ^2/NDF:43.1/39

All: -0.001+/-0.003 χ^2/NDF: 81.7/74

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: 16.302+/-0.003 χ^2/NDF:1413652.1/20

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.285+/-0.003 χ^2/NDF:645214.7/18

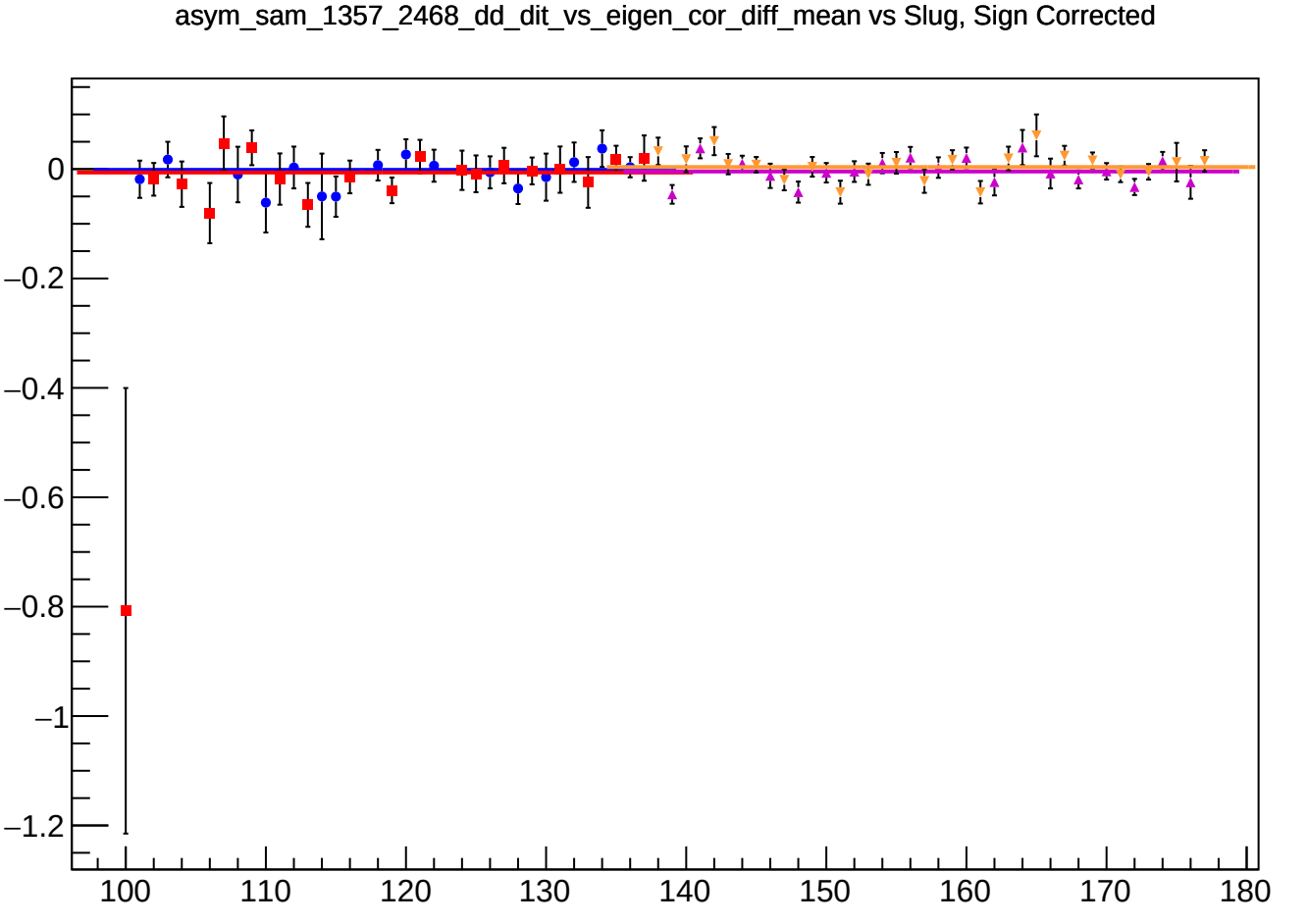
Left: 16.294+/-0.002 χ^2/NDF: 2058882.1/39

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 17.219+/-0.003 χ^2/NDF:1781917.7/34

Out: 17.169+/-0.003 χ^2/NDF:2676643.9/39

All: 17.193+/-0.002 χ^2/NDF: 4458743.5/74



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.004 χ^2/NDF:25.6/20

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.004+/-0.004 χ^2/NDF:29.2/18

Left: -0.000+/-0.003 χ^2/NDF: 56.7/39

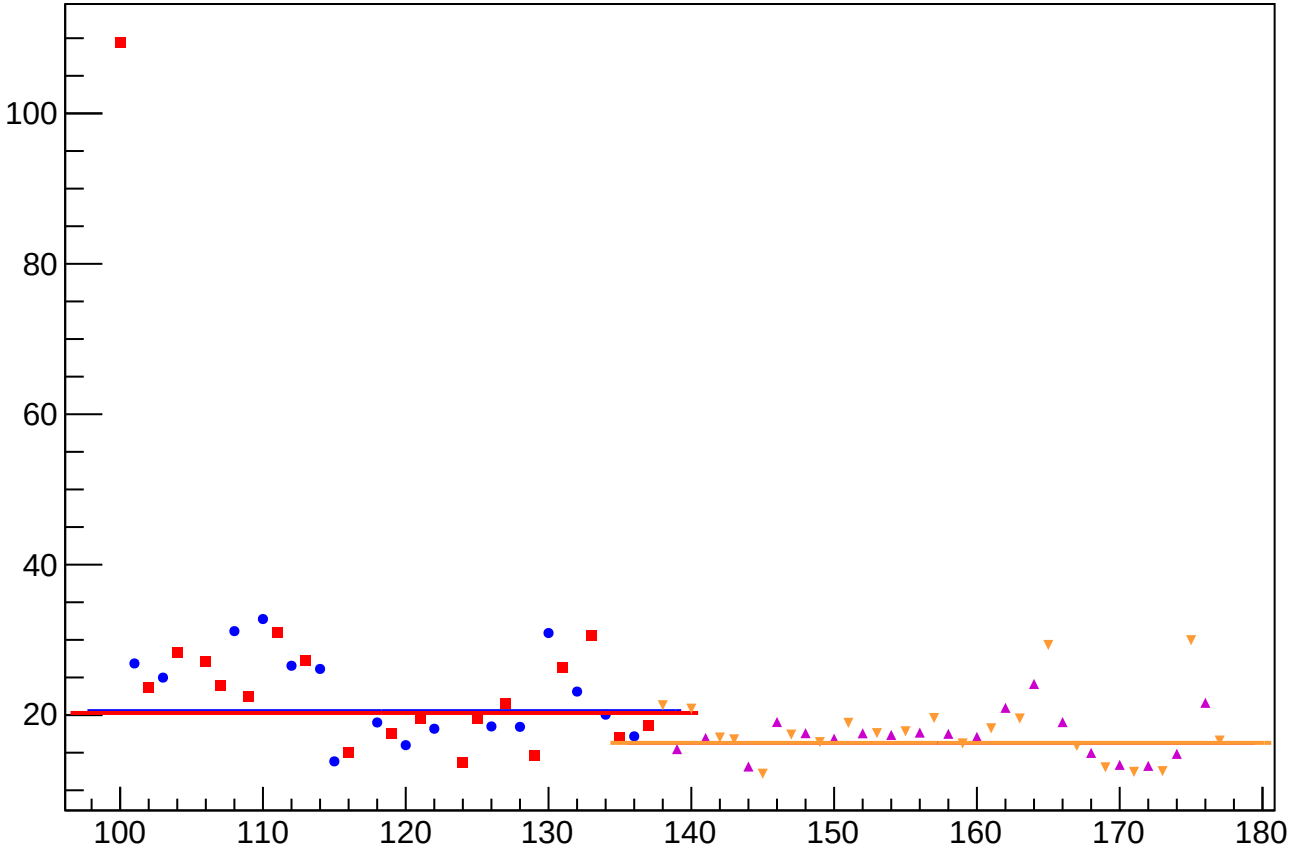
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.004+/-0.004 χ^2/NDF:37.6/34

Out: 0.002+/-0.004 χ^2/NDF:43.1/39

All: -0.001+/-0.003 χ^2/NDF: 81.7/74

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: 16.302+/-0.003 χ^2/NDF:1413652.1/20

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.285+/-0.003 χ^2/NDF:645214.7/18

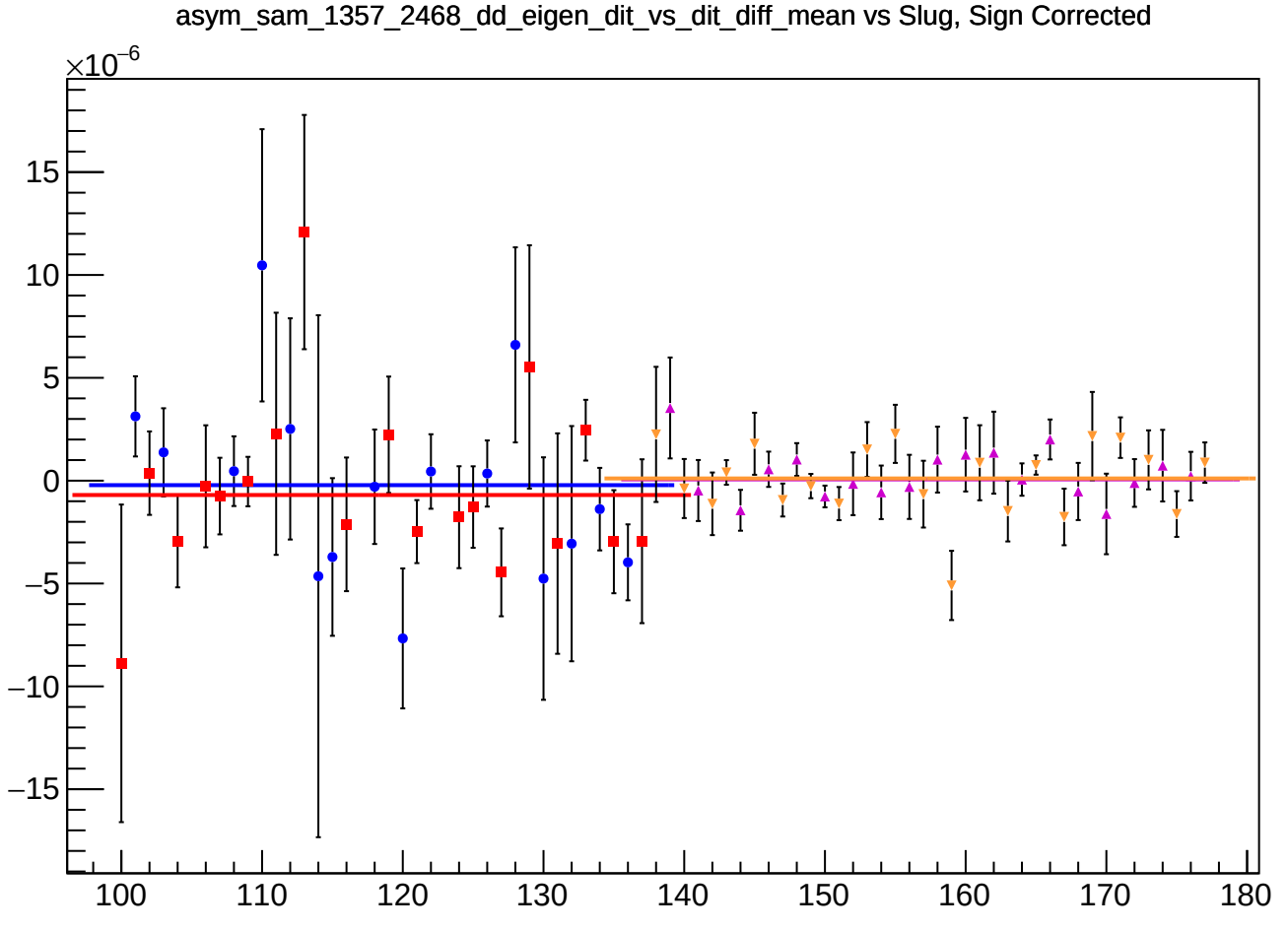
Left: 16.294+/-0.002 χ^2/NDF: 2058882.1/39

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 17.219+/-0.003 χ^2/NDF:1781917.7/34

Out: 17.169+/-0.003 χ^2/NDF:2676643.9/39

All: 17.193+/-0.002 χ^2/NDF: 4458743.5/74



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:33.9/20

Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/18

Left In: 0.000+/-0.000 χ^2/NDF:15.3/18

Left: 0.000+/-0.000 χ^2/NDF: 49.2/39

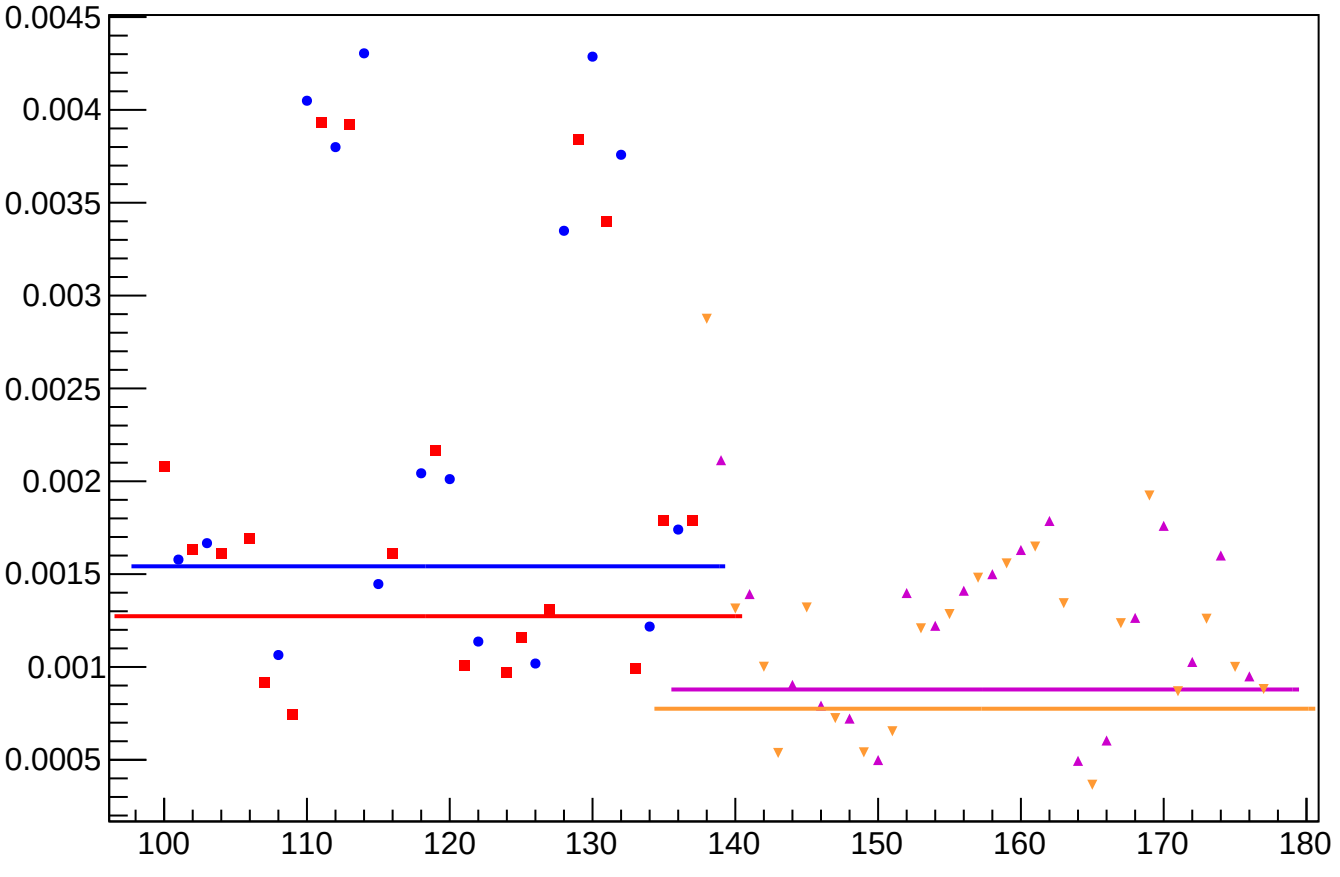
Right: -0.000+/-0.000 χ^2/NDF: 41.2/34

In: 0.000+/-0.000 χ^2/NDF:35.4/34

Out: -0.000+/-0.000 χ^2/NDF:56.9/39

All: 0.000+/-0.000 χ^2/NDF: 92.3/74

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2416805.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:6808785.2/20

Right Out: 0.001+/-0.000 χ^2/NDF: 2667436.5/18

Left In: 0.001+/-0.000 χ^2/NDF:5136796.5/18

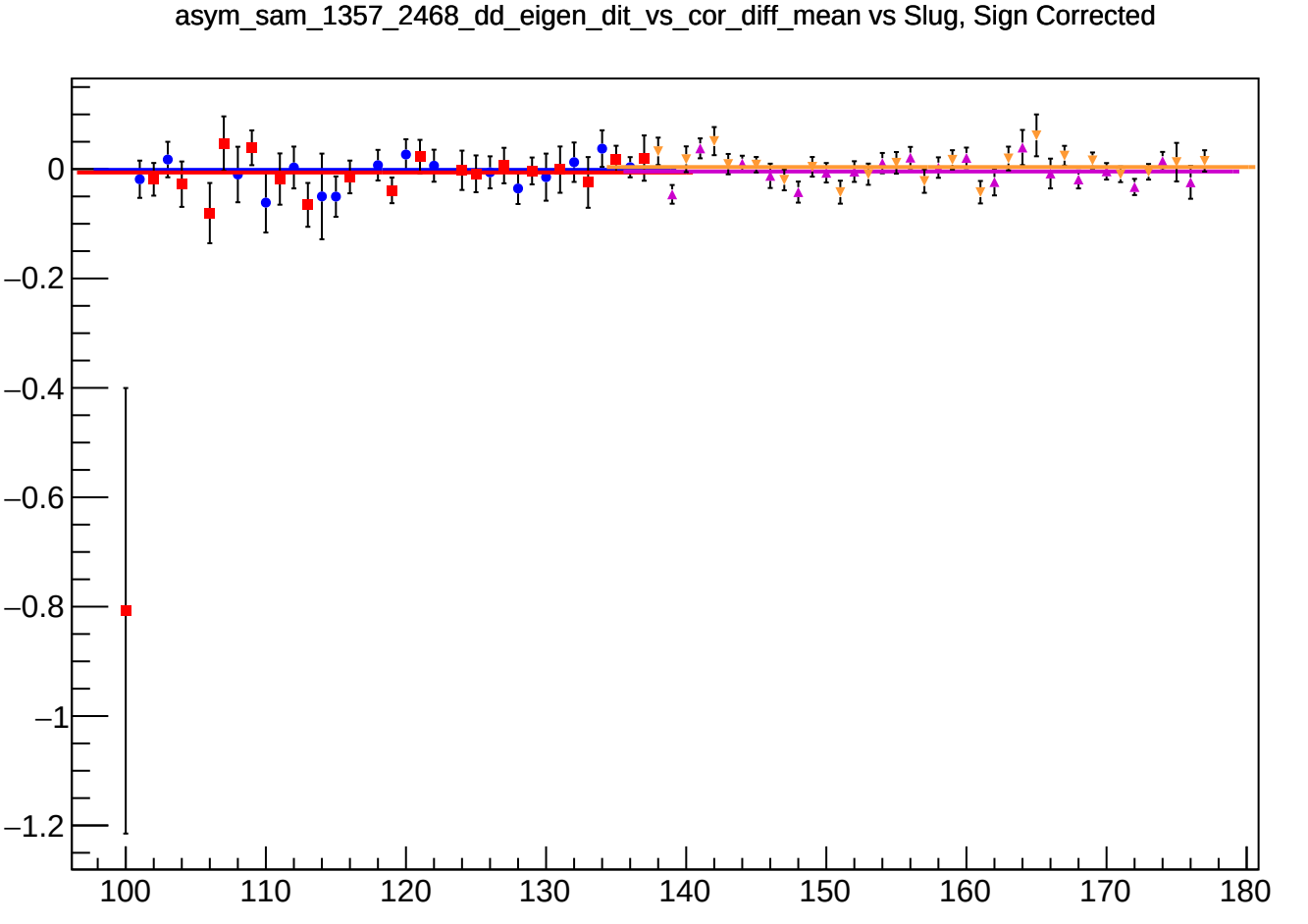
Left: 0.001+/-0.000 χ^2/NDF: 12140923.5/39

Right: 0.001+/-0.000 χ^2/NDF: 5298926.0/34

In: 0.001+/-0.000 χ^2/NDF:9461969.3/34

Out: 0.001+/-0.000 χ^2/NDF:11021038.6/39

All: 0.001+/-0.000 χ^2/NDF: 20799992.7/74



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.004 χ^2/NDF:25.6/20

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.004+/-0.004 χ^2/NDF:29.2/18

Left: -0.000+/-0.003 χ^2/NDF: 56.7/39

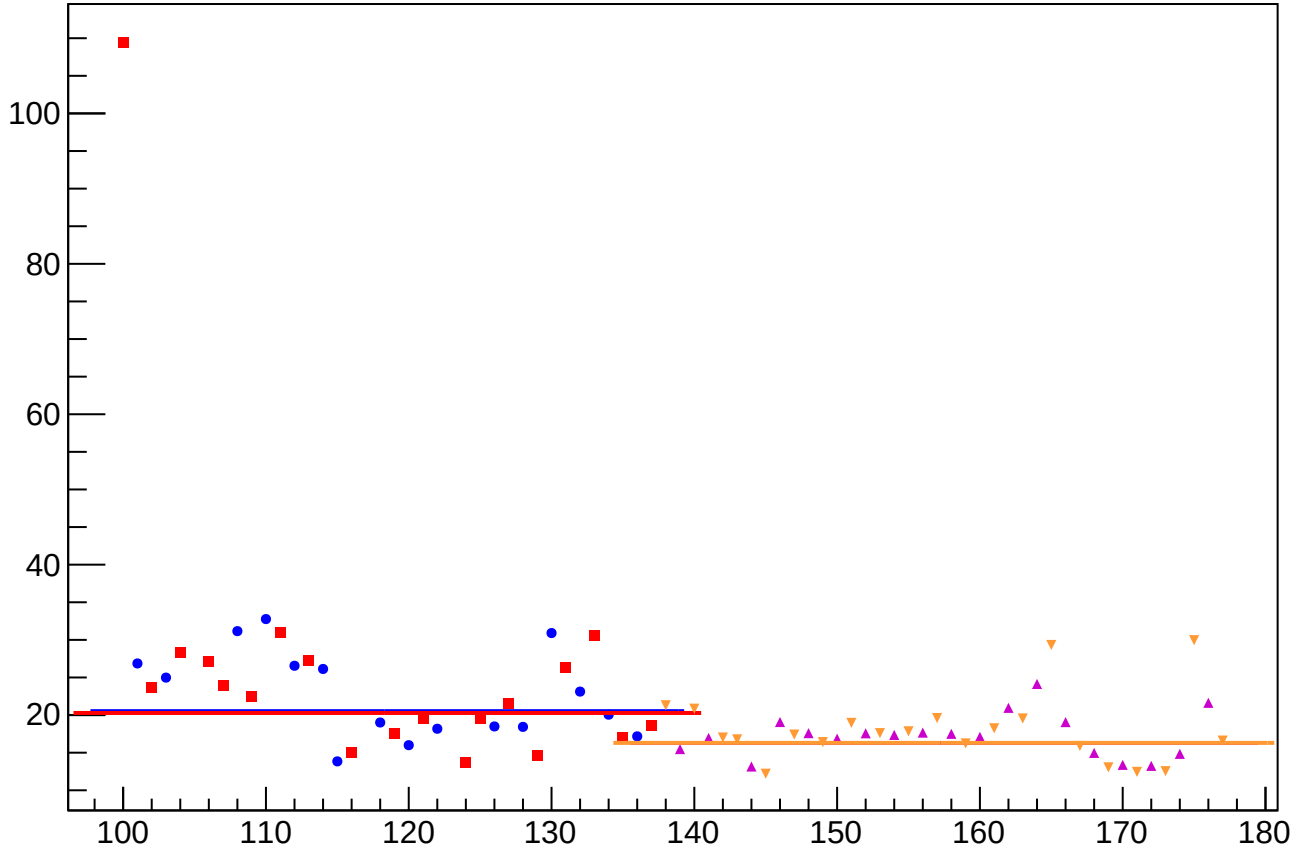
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.004+/-0.004 χ^2/NDF:37.6/34

Out: 0.002+/-0.004 χ^2/NDF:43.1/39

All: -0.001+/-0.003 χ^2/NDF: 81.7/74

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: 16.302+/-0.003 χ^2/NDF:1413610.5/20

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.285+/-0.003 χ^2/NDF:645230.4/18

Left: 16.294+/-0.002 χ^2/NDF: 2058856.4/39

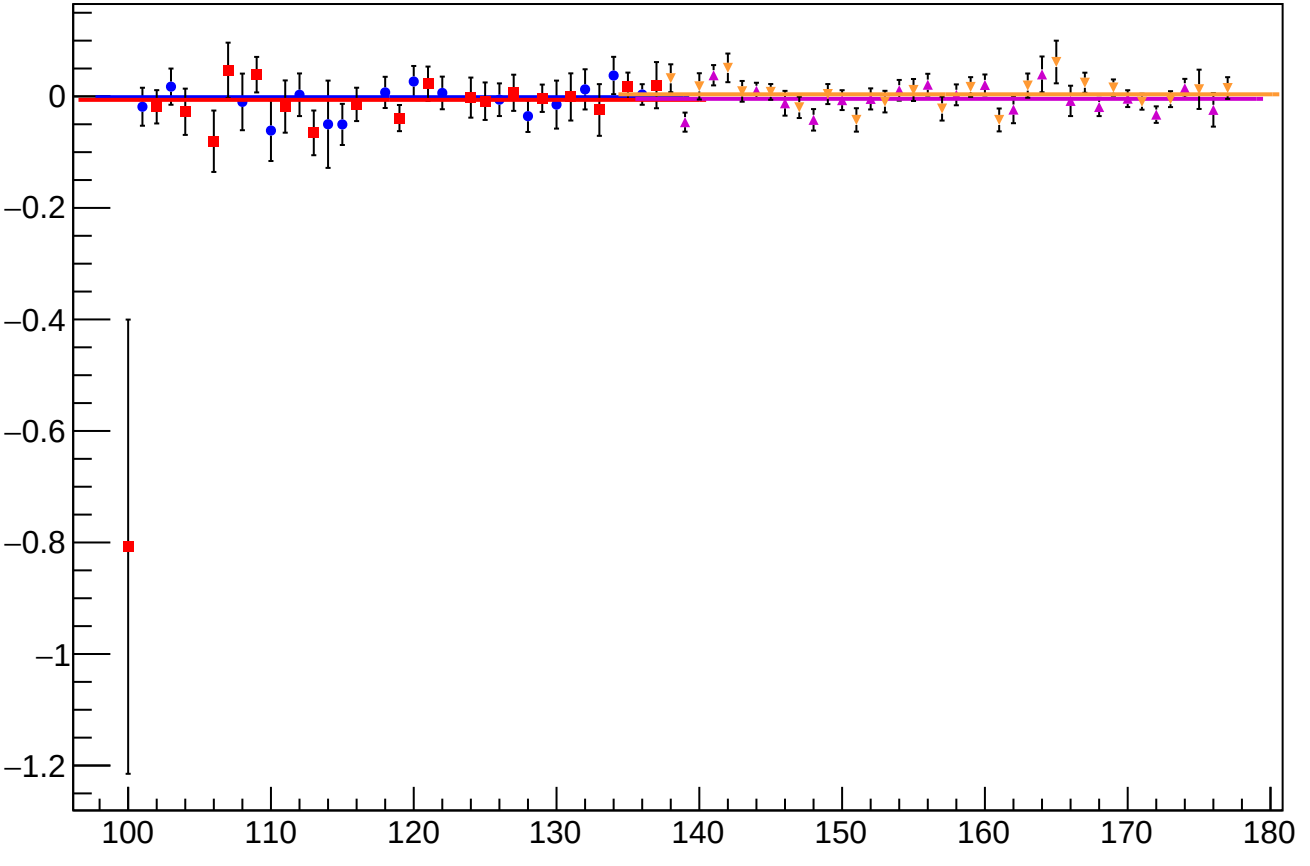
Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 17.219+/-0.003 χ^2/NDF:1781690.1/34

Out: 17.169+/-0.003 χ^2/NDF:2676450.8/39

All: 17.193+/-0.002 χ^2/NDF: 4458322.5/74

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:25.6/20

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.004+/-0.004 χ^2/NDF:29.2/18

Left: -0.000+/-0.003 χ^2/NDF: 56.7/39

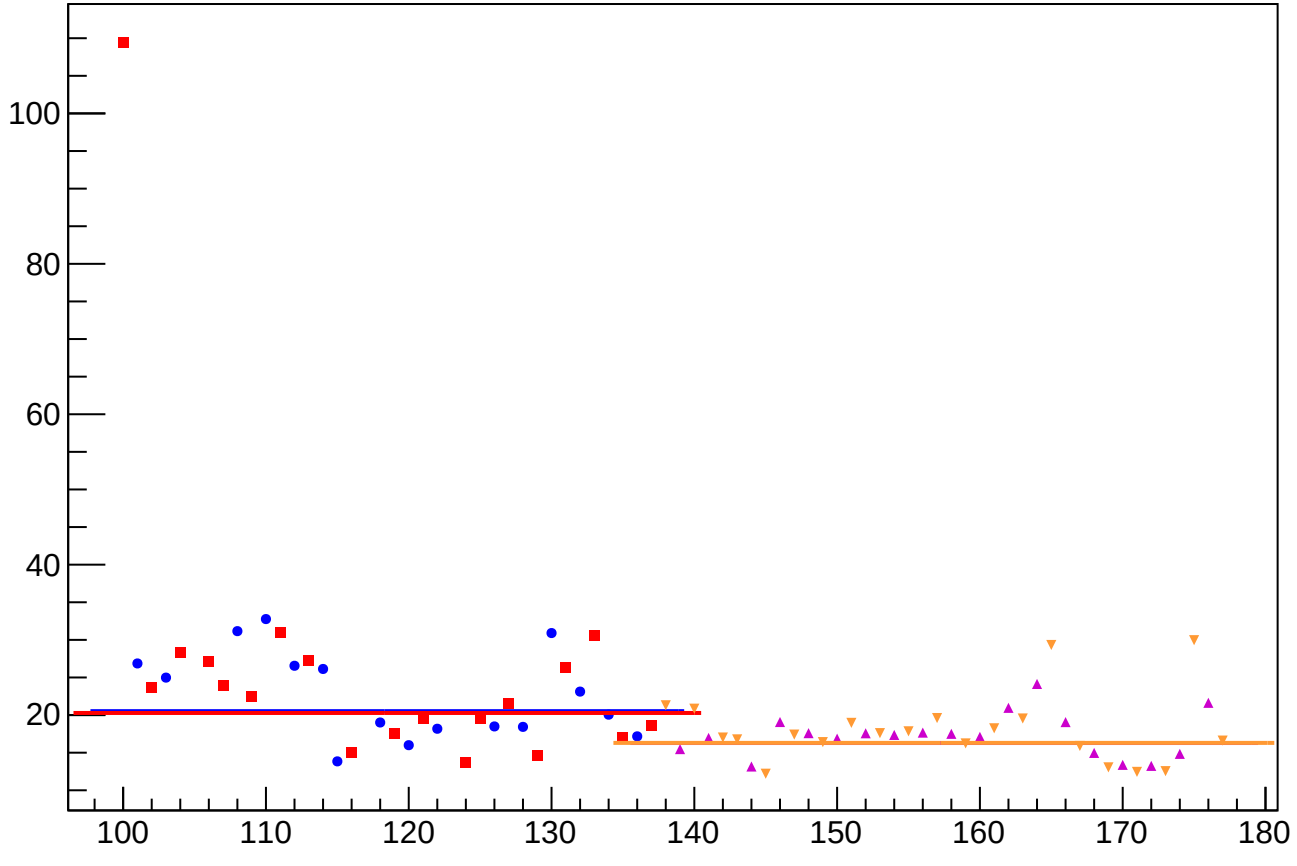
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.004+/-0.004 χ^2/NDF:37.6/34

Out: 0.002+/-0.004 χ^2/NDF:43.1/39

All: -0.001+/-0.003 χ^2/NDF: 81.7/74

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: 16.302+/-0.003 χ^2/NDF:1413610.5/20

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.285+/-0.003 χ^2/NDF:645230.4/18

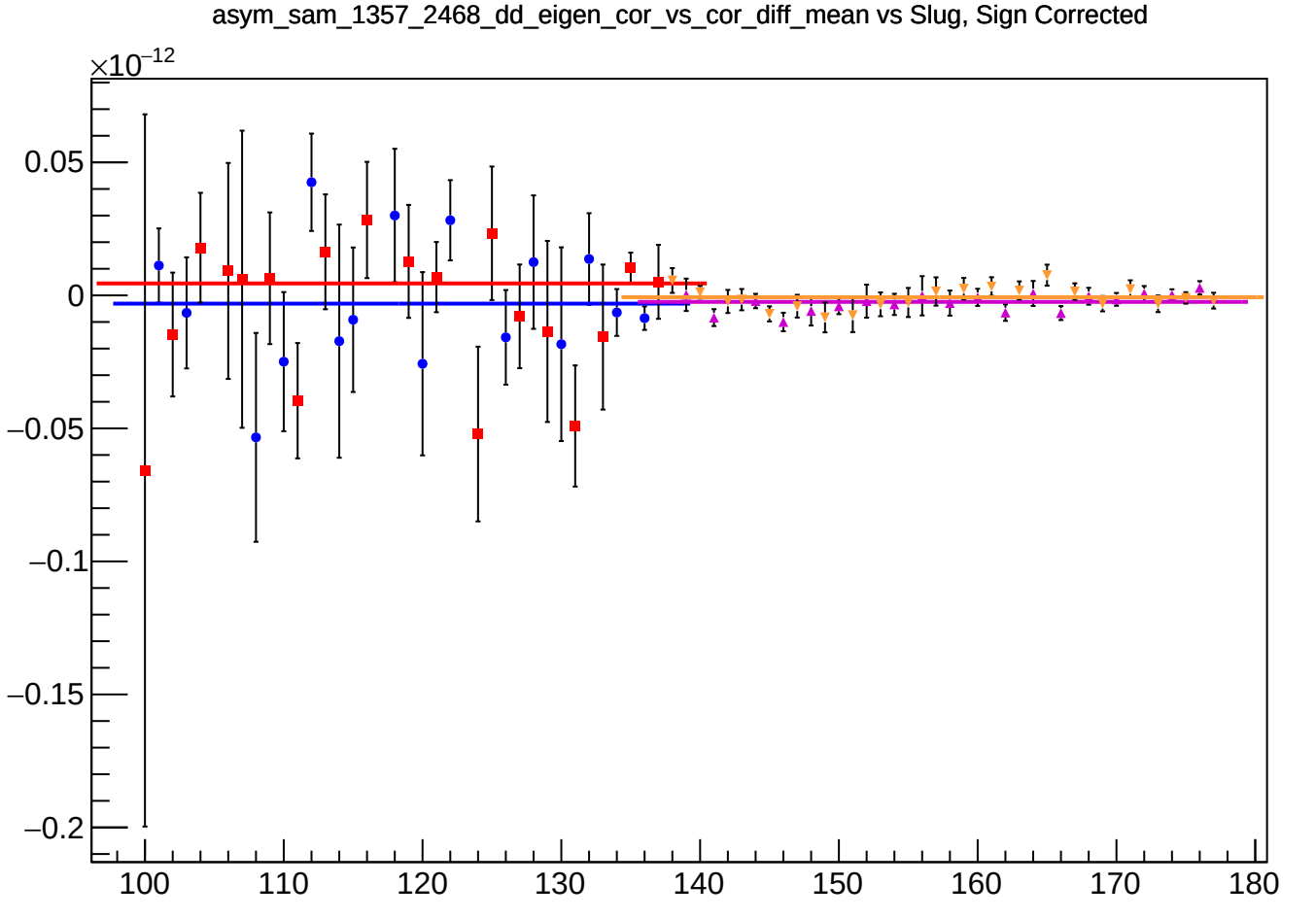
Left: 16.294+/-0.002 χ^2/NDF: 2058856.4/39

Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 17.219+/-0.003 χ^2/NDF:1781690.1/34

Out: 17.169+/-0.003 χ^2/NDF:2676450.8/39

All: 17.193+/-0.002 χ^2/NDF: 4458322.5/74



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.5/20

Right Out: 0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: -0.000+/-0.000 χ^2/NDF:21.9/18

Left: -0.000+/-0.000 χ^2/NDF: 46.1/39

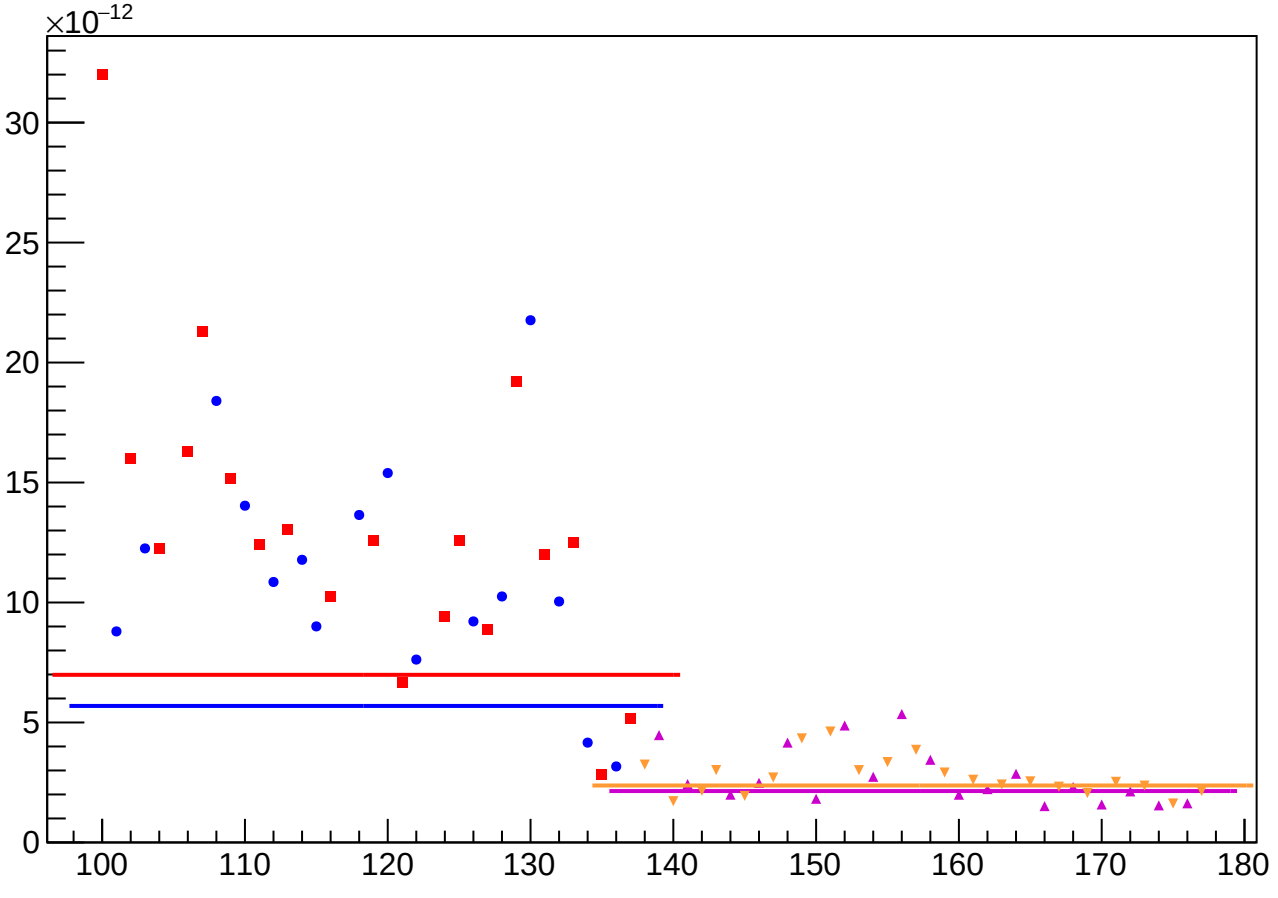
Right: 0.000+/-0.000 χ^2/NDF: 40.8/34

In: -0.000+/-0.000 χ^2/NDF:41.9/34

Out: -0.000+/-0.000 χ^2/NDF:41.9/39

All: -0.000+/-0.000 χ^2/NDF: 87.4/74

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2705902.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1423765.0/20

Right Out: 0.000+/-0.000 χ^2/NDF: 3108073.7/18

Left In: 0.000+/-0.000 χ^2/NDF:2112009.9/18

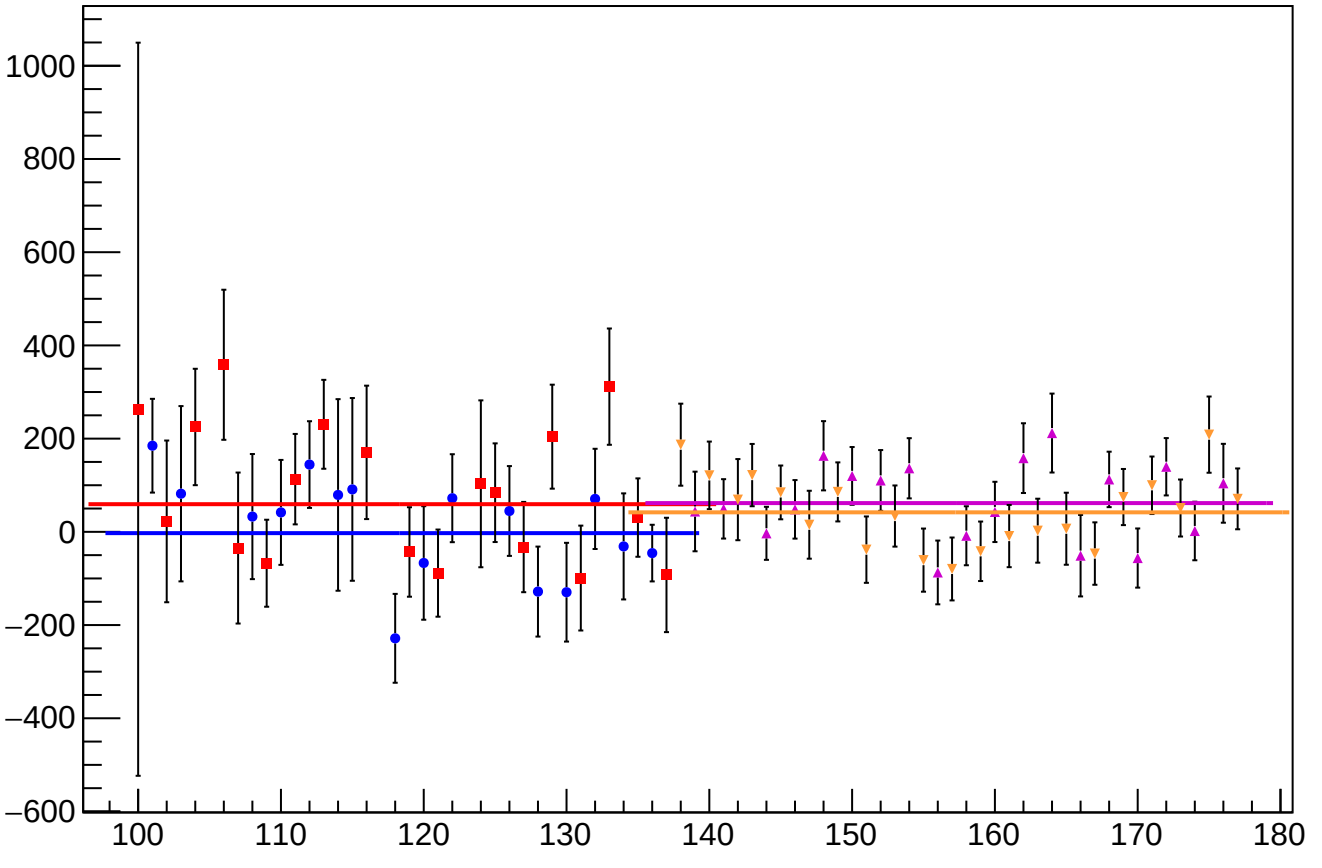
Left: 0.000+/-0.000 χ^2/NDF: 3630965.3/39

Right: 0.000+/-0.000 χ^2/NDF: 5945633.6/34

In: 0.000+/-0.000 χ^2/NDF:7072918.5/34

Out: 0.000+/-0.000 χ^2/NDF:7273496.3/39

All: 0.000+/-0.000 χ^2/NDF: 14442111.6/74



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 41.853+/-14.836 χ^2/NDF:23.6/20

Right Out: 59.349+/-26.382 χ^2/NDF: 25.7/18

Left In: 61.698+/-15.427 χ^2/NDF:25.5/18

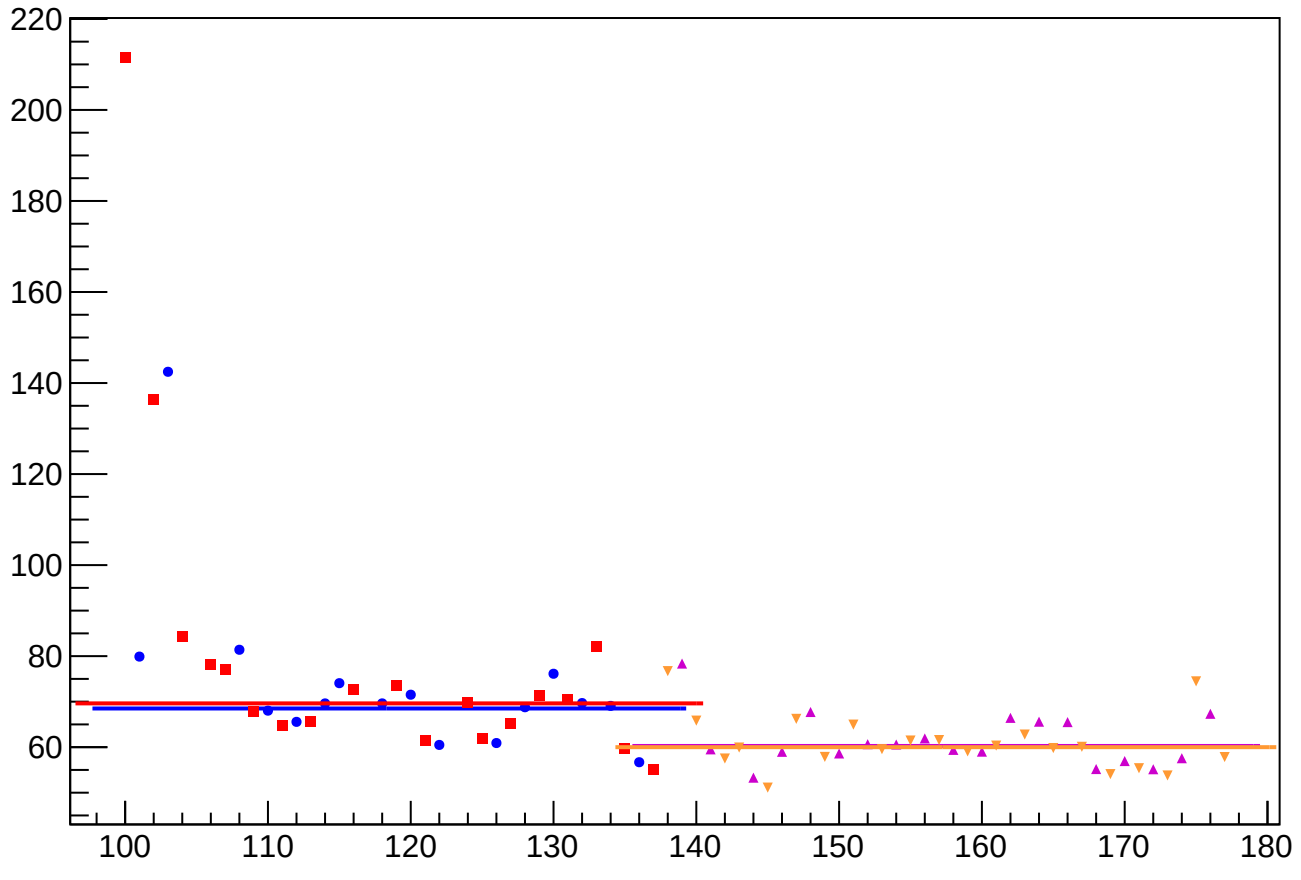
Left: 51.389+/-10.694 χ^2/NDF: 50.0/39

Right: 28.091+/-18.595 χ^2/NDF: 46.2/34

In: 45.115+/-13.295 χ^2/NDF:47.7/34

Out: 46.057+/-12.932 χ^2/NDF:49.6/39

All: 45.599+/-9.270 χ^2/NDF: 97.3/74



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 59.999+/-0.010 χ^2/NDF:282449.5/20

Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 60.264+/-0.011 χ^2/NDF:225107.2/18

Left: 60.127+/-0.008 χ^2/NDF: 507863.3/39

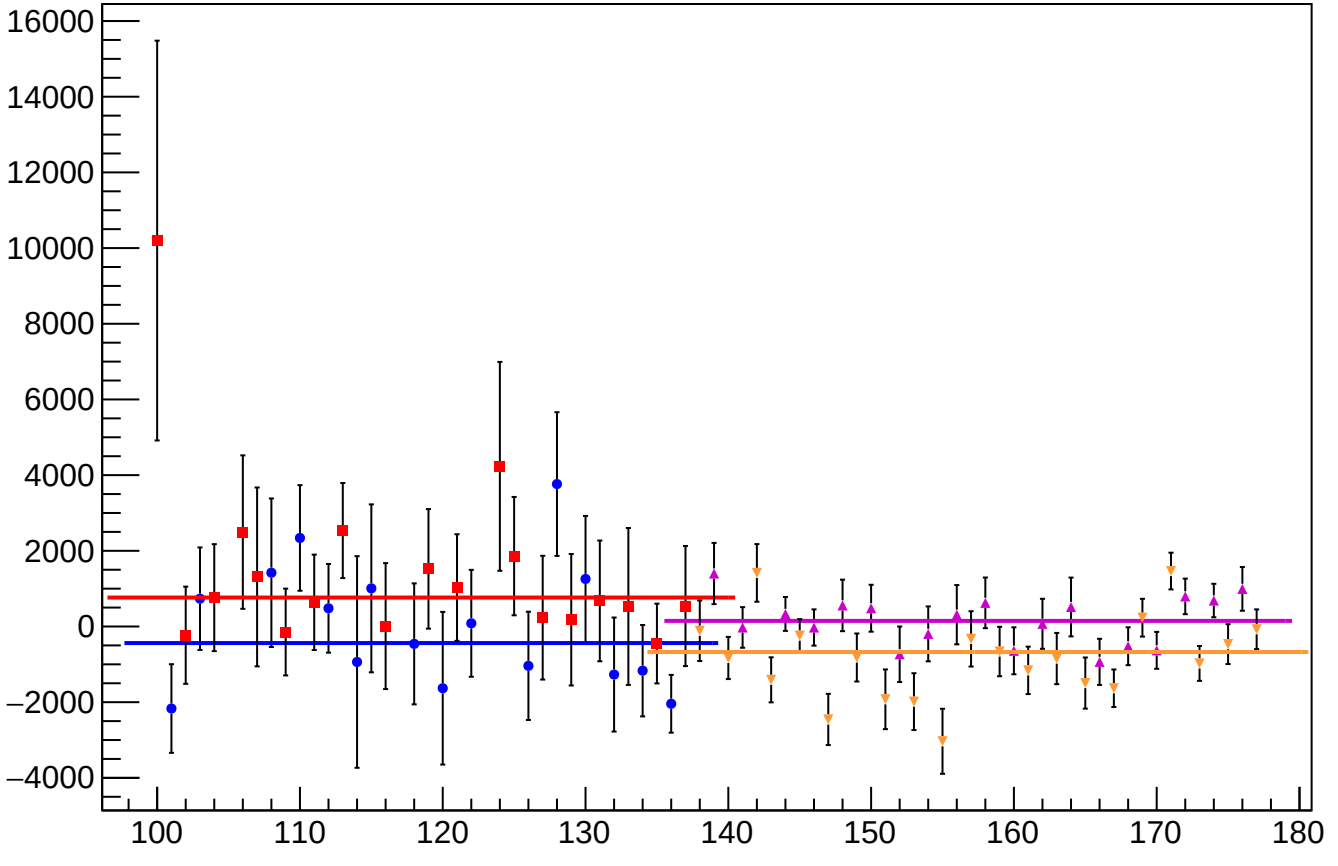
Right: 69.056+/-0.013 χ^2/NDF: 994086.4/34

In: 62.383+/-0.009 χ^2/NDF:843557.7/34

Out: 62.311+/-0.009 χ^2/NDF:1004900.5/39

All: 62.346+/-0.007 χ^2/NDF: 1848488.2/74

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: -674.290+/-129.735 χ^2/NDF:61.4/20

Right Out: 765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: 148.340+/-132.680 χ^2/NDF:20.5/18

Left: -272.206+/-92.760 χ^2/NDF: 101.6/39

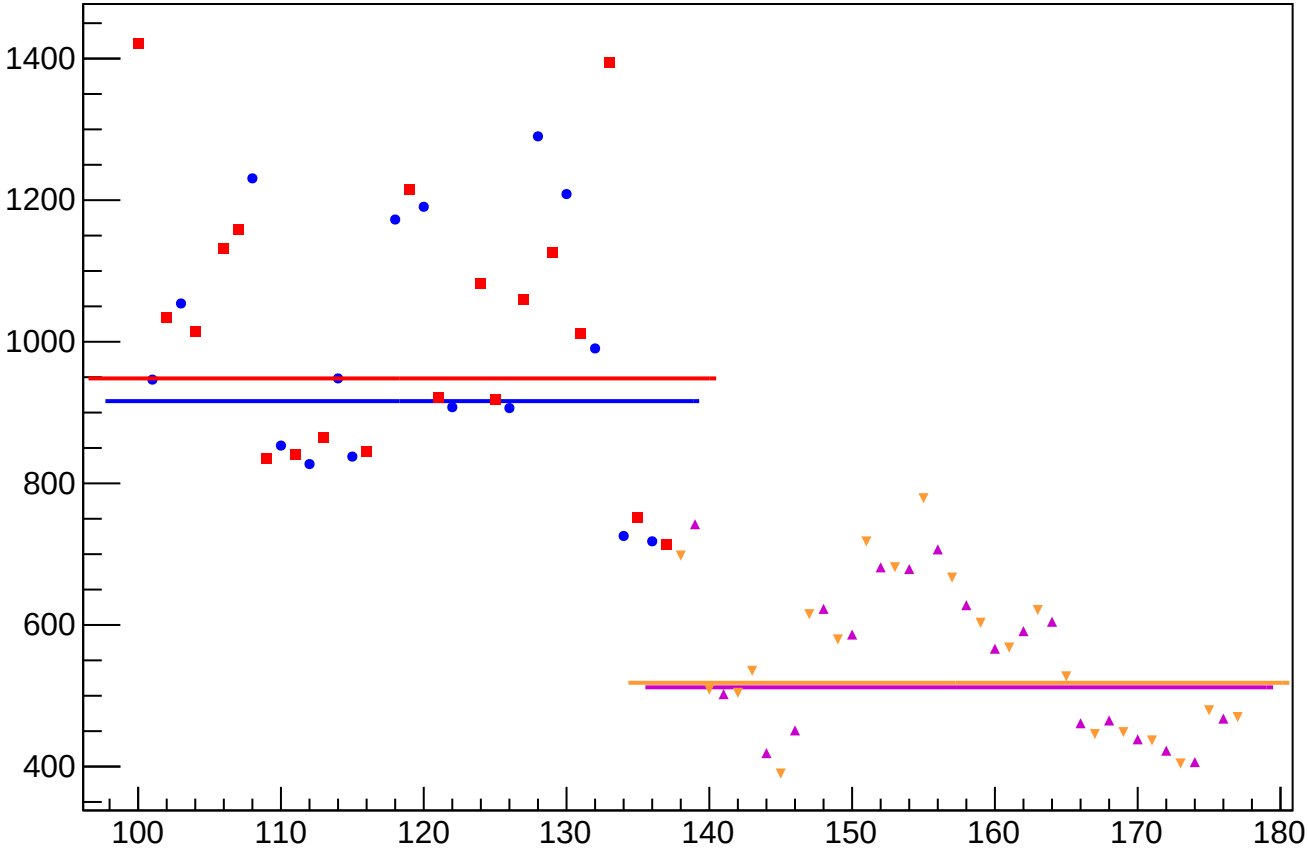
Right: 156.799+/-248.157 χ^2/NDF: 37.7/34

In: 74.323+/-124.014 χ^2/NDF:43.6/34

Out: -503.021+/-121.773 χ^2/NDF:87.4/39

All: -219.613+/-86.888 χ^2/NDF: 142.0/74

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: 518.320+/-0.092 χ^2/NDF:1206811.8/20

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

Left In: 511.906+/-0.094 χ^2/NDF:1107758.6/18

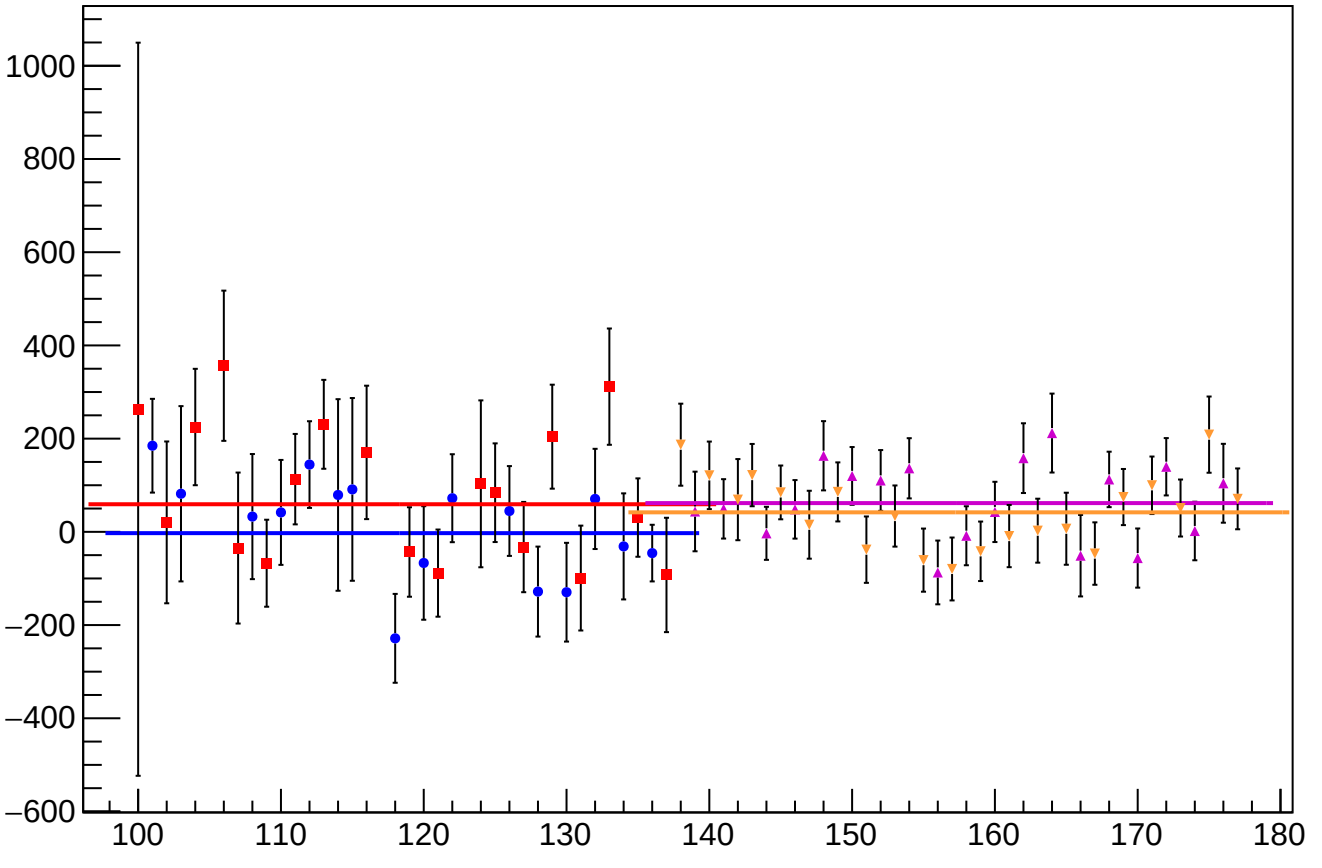
Left: 515.185+/-0.066 χ^2/NDF: 2316959.3/39

Right: 932.012+/-0.175 χ^2/NDF: 932665.3/34

In: 562.987+/-0.088 χ^2/NDF:3962974.6/34

Out: 569.465+/-0.086 χ^2/NDF:4234834.7/39

All: 566.285+/-0.061 χ^2/NDF: 8200588.0/74



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 41.856+/-14.836 χ^2/NDF:23.6/20

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 61.698+/-15.427 χ^2/NDF:25.5/18

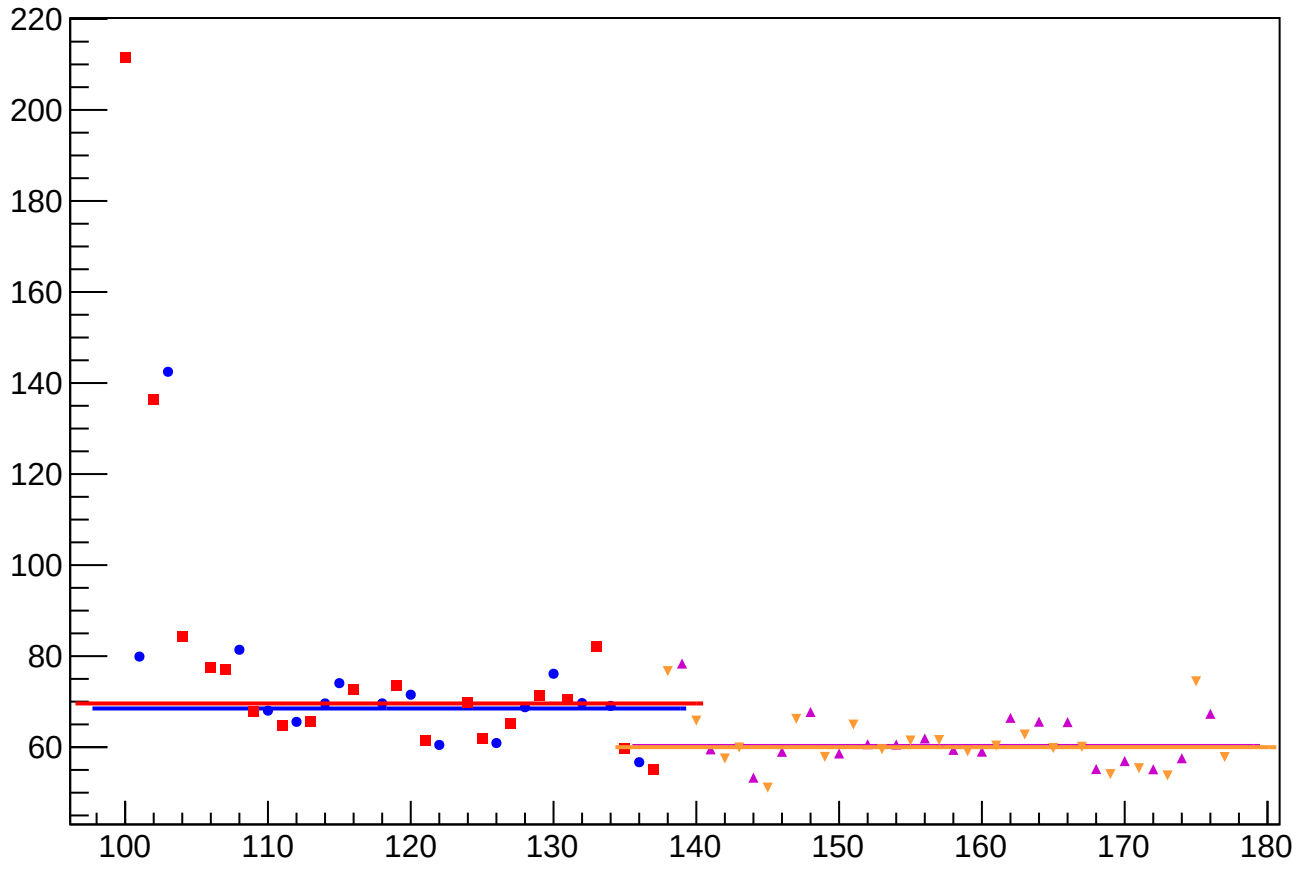
Left: 51.390+/-10.694 χ^2/NDF: 50.0/39

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 45.113+/-13.295 χ^2/NDF:47.7/34

Out: 46.029+/-12.932 χ^2/NDF:49.5/39

All: 45.584+/-9.270 χ^2/NDF: 97.3/74



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 59.999+/-0.010 χ^2/NDF:282449.5/20

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.264+/-0.011 χ^2/NDF:225107.2/18

Left: 60.127+/-0.008 χ^2/NDF: 507863.3/39

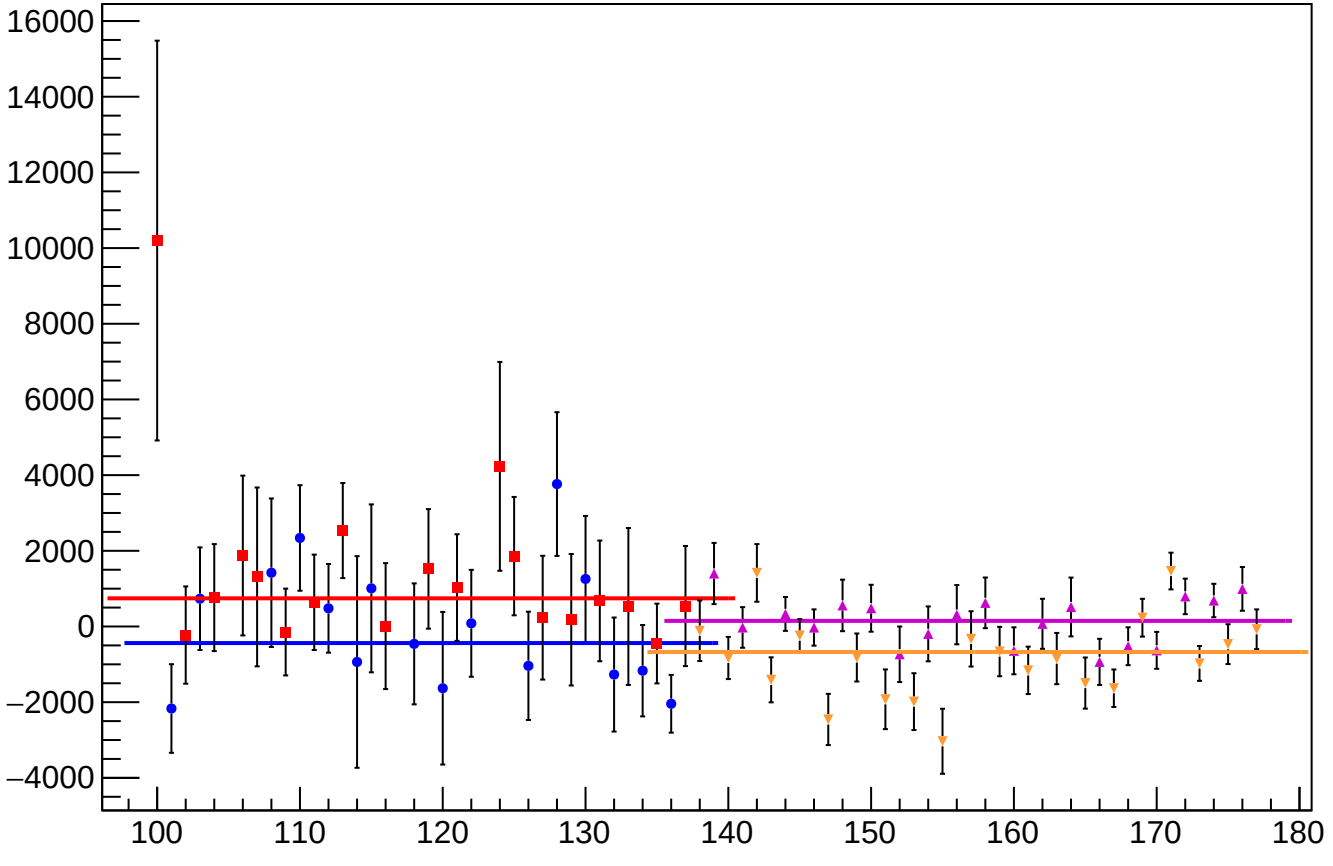
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 62.383+/-0.009 χ^2/NDF:843560.7/34

Out: 62.306+/-0.009 χ^2/NDF:1003465.1/39

All: 62.343+/-0.007 χ^2/NDF: 1847059.9/74

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: -674.285+/-129.735 χ^2/NDF:61.4/20

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 148.341+/-132.680 χ^2/NDF:20.5/18

Left: -272.204+/-92.760 χ^2/NDF: 101.6/39

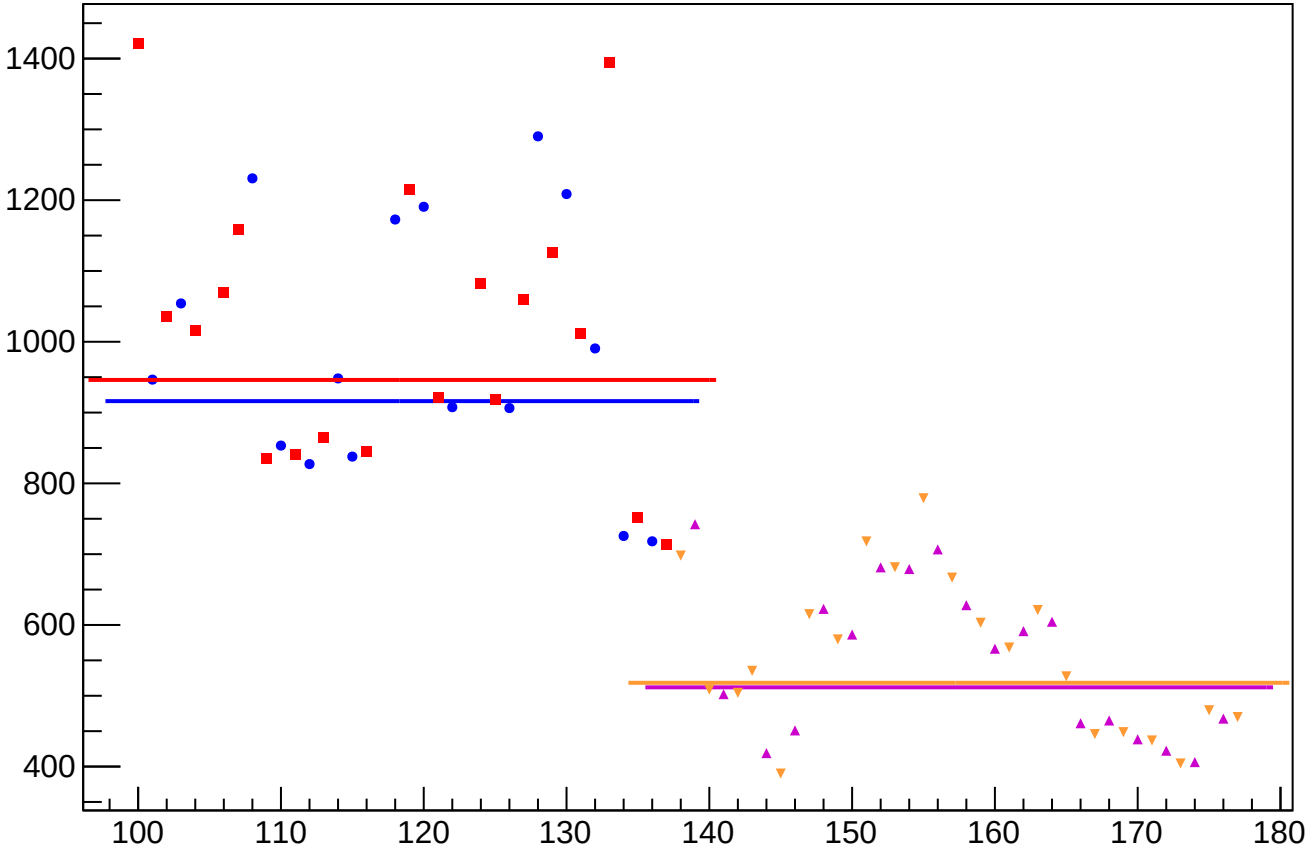
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 74.328+/-124.014 χ^2/NDF:43.6/34

Out: -505.877+/-121.791 χ^2/NDF:86.5/39

All: -221.022+/-86.895 χ^2/NDF: 141.2/74

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: 518.319+/-0.092 χ^2/NDF:1206816.1/20

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 511.906+/-0.094 χ^2/NDF:1107757.0/18

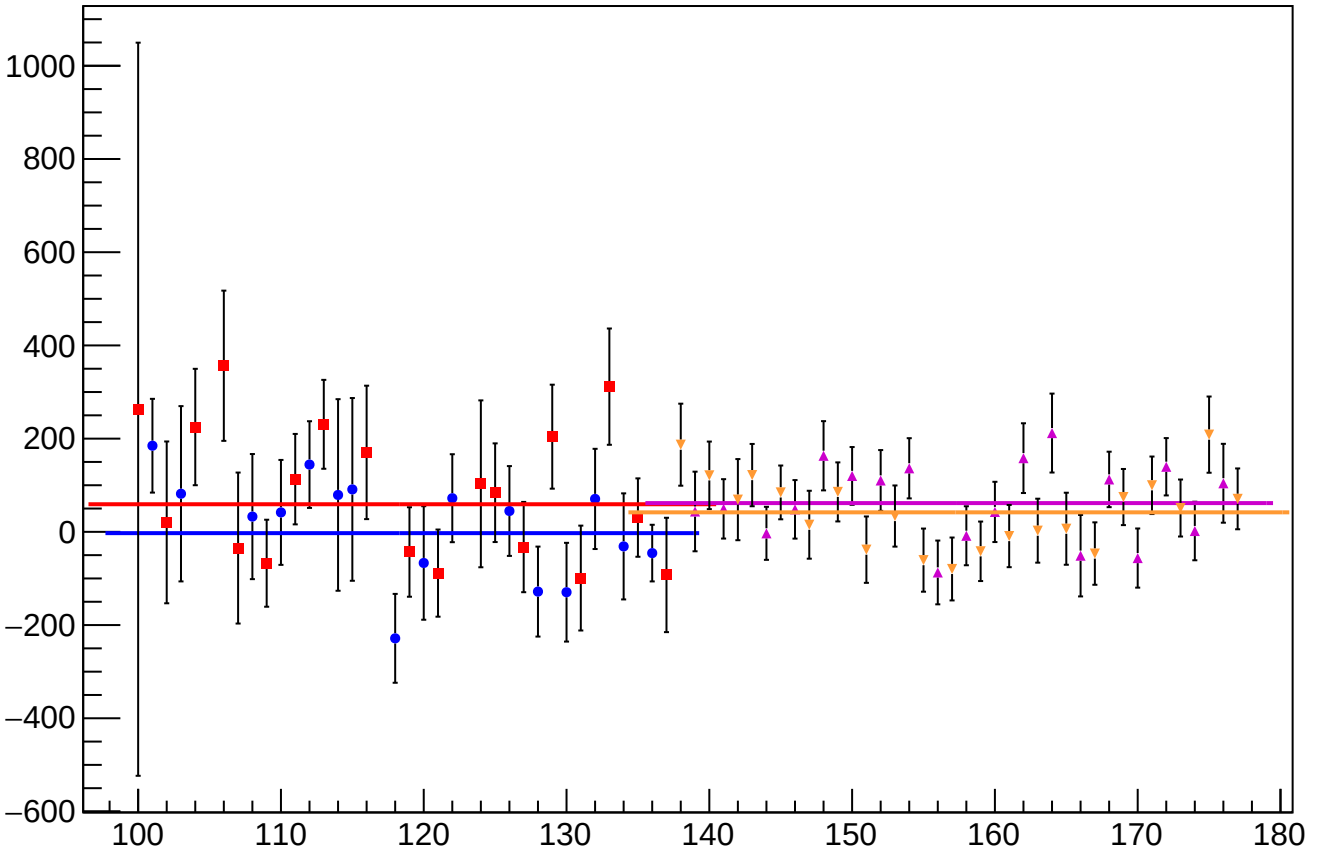
Left: 515.185+/-0.066 χ^2/NDF: 2316961.7/39

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 562.987+/-0.088 χ^2/NDF:3963017.5/34

Out: 569.100+/-0.086 χ^2/NDF:4193462.6/39

All: 566.099+/-0.061 χ^2/NDF: 8158953.4/74



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 41.856+/-14.836 χ^2/NDF:23.6/20

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 61.698+/-15.427 χ^2/NDF:25.5/18

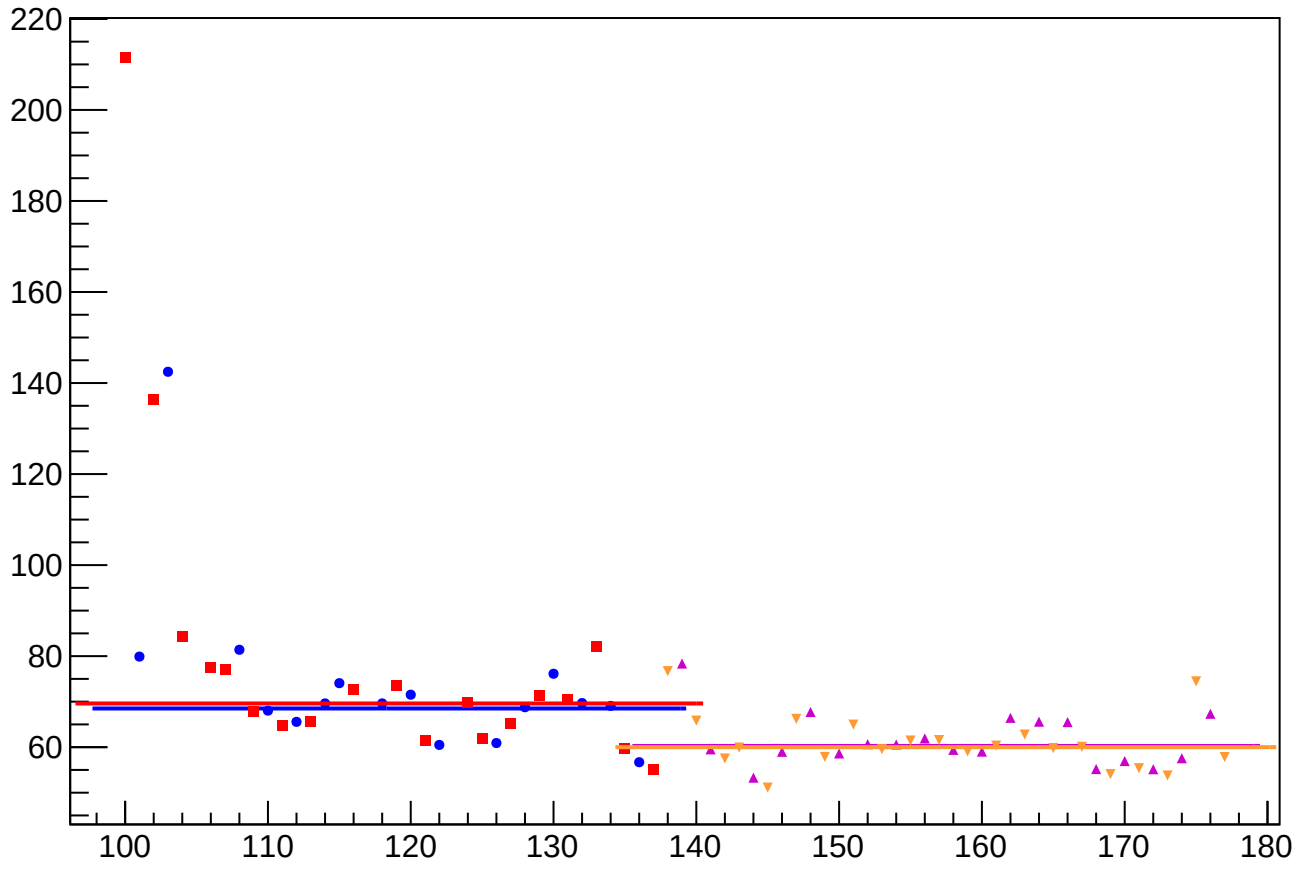
Left: 51.390+/-10.694 χ^2/NDF: 50.0/39

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 45.113+/-13.295 χ^2/NDF:47.7/34

Out: 46.029+/-12.932 χ^2/NDF:49.5/39

All: 45.584+/-9.270 χ^2/NDF: 97.3/74



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 59.999+/-0.010 χ^2/NDF:282449.5/20

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.264+/-0.011 χ^2/NDF:225107.2/18

Left: 60.127+/-0.008 χ^2/NDF: 507863.3/39

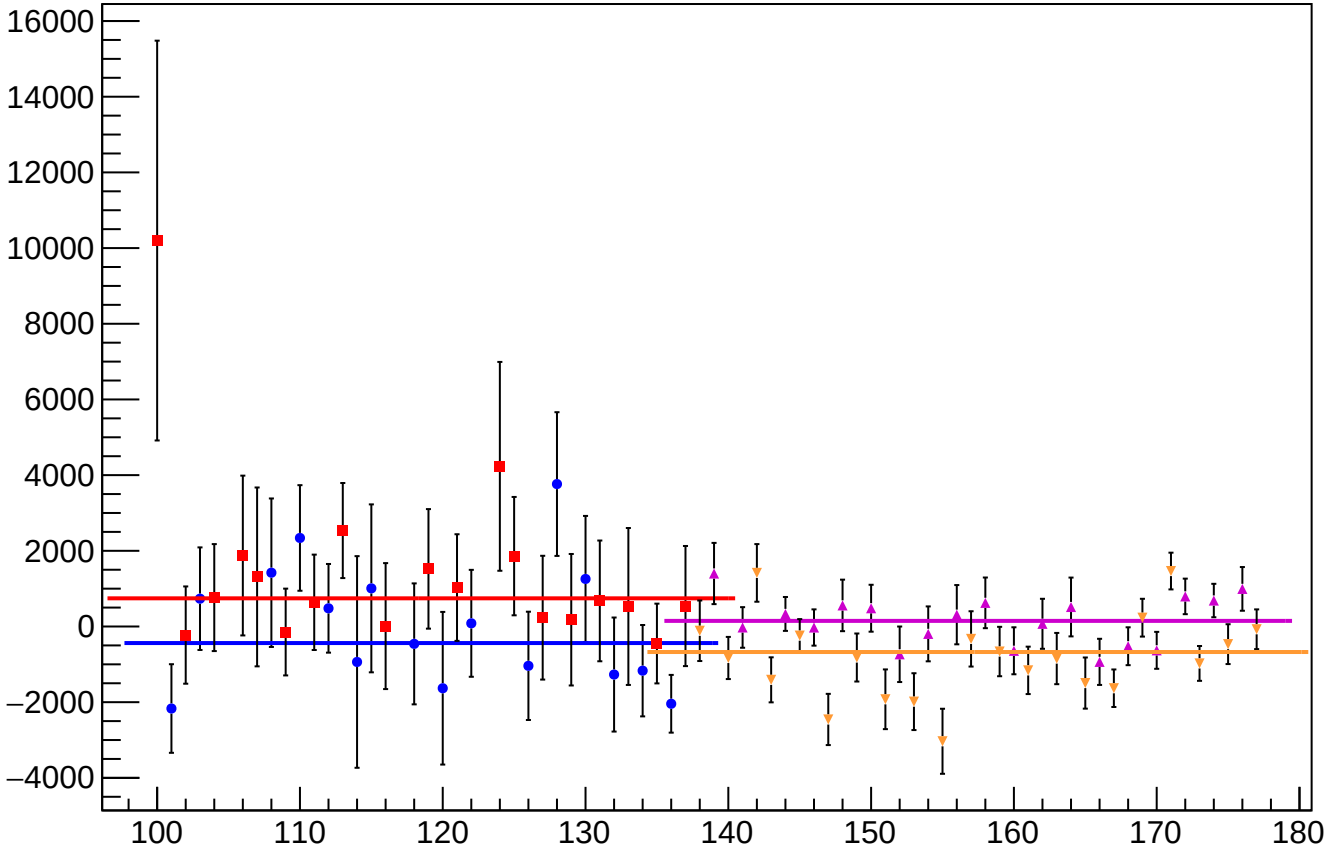
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 62.383+/-0.009 χ^2/NDF:843560.7/34

Out: 62.306+/-0.009 χ^2/NDF:1003465.1/39

All: 62.343+/-0.007 χ^2/NDF: 1847059.9/74

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: -674.285+/-129.735 χ^2/NDF:61.4/20

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 148.341+/-132.680 χ^2/NDF:20.5/18

Left: -272.204+/-92.760 χ^2/NDF: 101.6/39

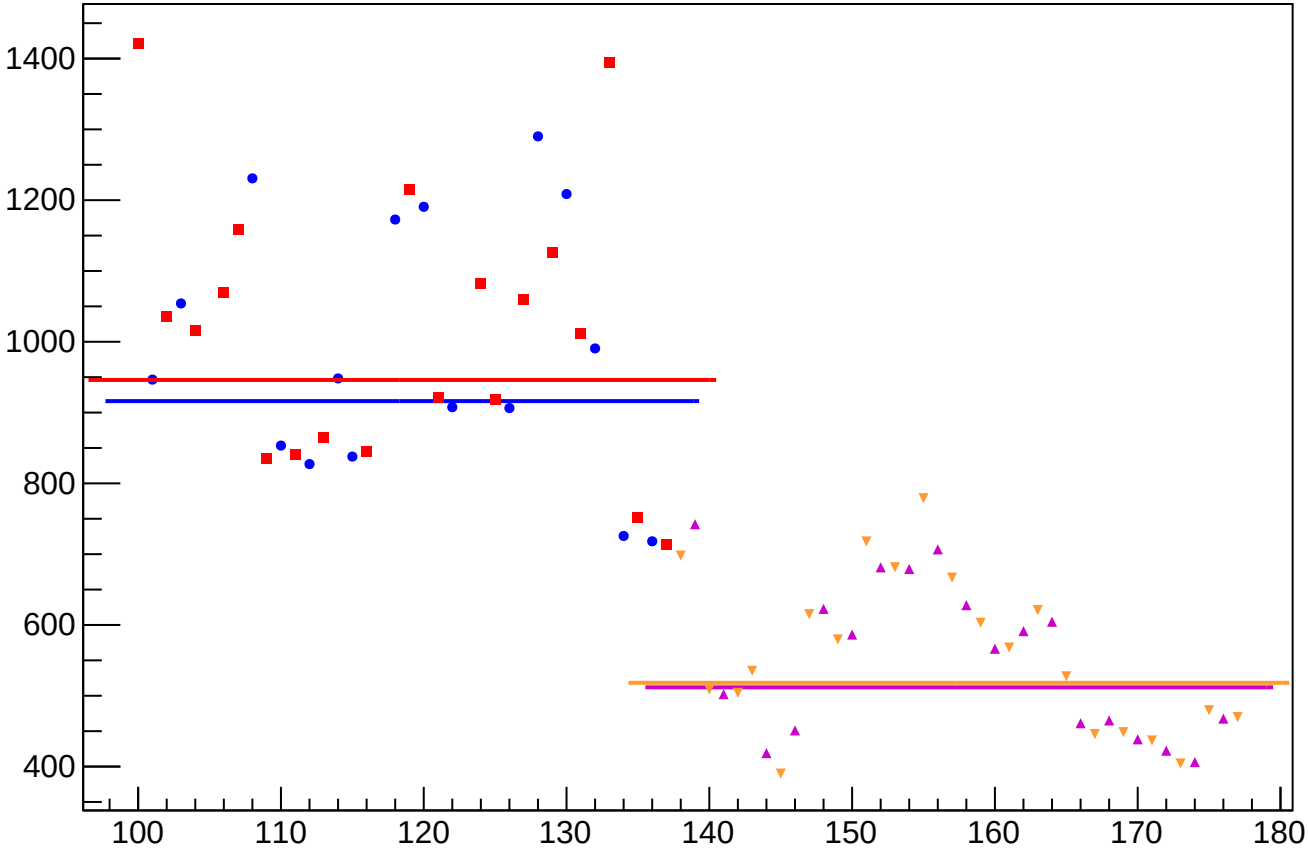
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 74.328+/-124.014 χ^2/NDF:43.6/34

Out: -505.877+/-121.791 χ^2/NDF:86.5/39

All: -221.022+/-86.895 χ^2/NDF: 141.2/74

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: 518.319+/-0.092 χ^2/NDF:1206816.1/20

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 511.906+/-0.094 χ^2/NDF:1107757.0/18

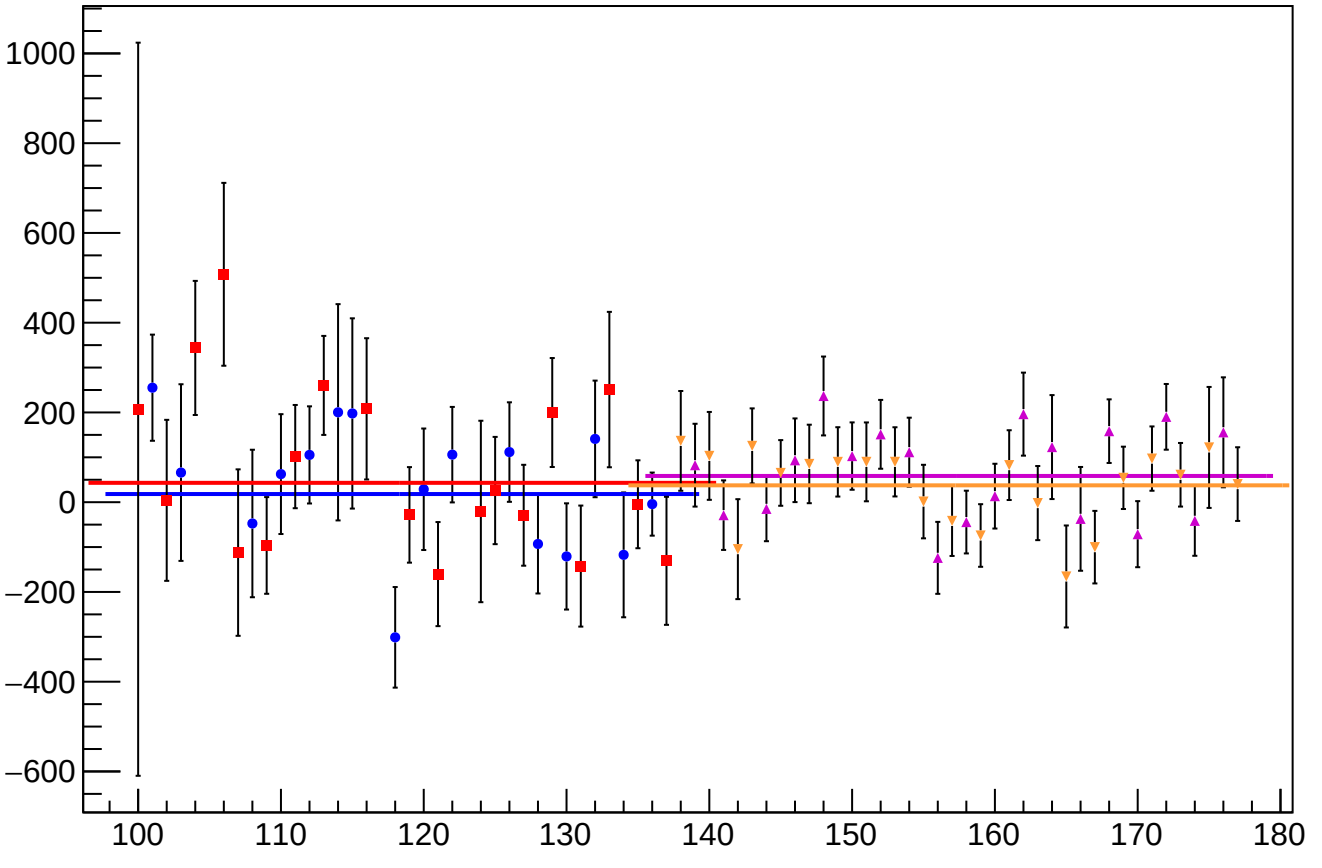
Left: 515.185+/-0.066 χ^2/NDF: 2316961.7/39

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 562.987+/-0.088 χ^2/NDF:3963017.5/34

Out: 569.100+/-0.086 χ^2/NDF:4193462.6/39

All: 566.099+/-0.061 χ^2/NDF: 8158953.4/74



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 37.563+/-18.085 χ^2/NDF:17.4/20

Right Out: 43.146+/-30.707 χ^2/NDF: 27.7/18

Left In: 58.478+/-18.707 χ^2/NDF:30.5/18

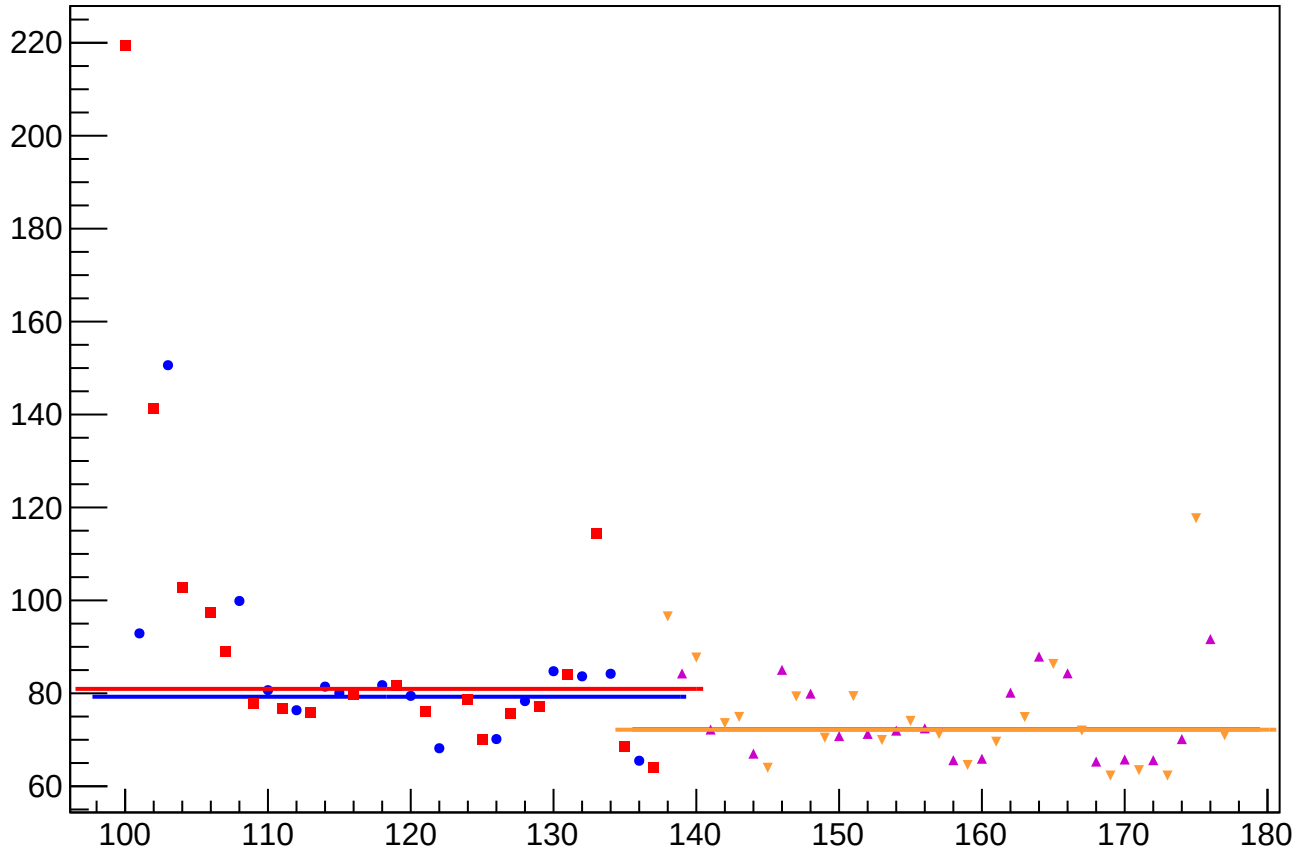
Left: 47.667+/-13.002 χ^2/NDF: 48.5/39

Right: 30.513+/-21.585 χ^2/NDF: 48.2/34

In: 47.380+/-15.925 χ^2/NDF:51.9/34

Out: 39.001+/-15.583 χ^2/NDF:45.2/39

All: 43.099+/-11.138 χ^2/NDF: 97.2/74



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 72.170+/-0.013 χ^2/NDF:601205.9/20

Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 72.245+/-0.013 χ^2/NDF:307643.6/18

Left: 72.206+/-0.009 χ^2/NDF: 908865.9/39

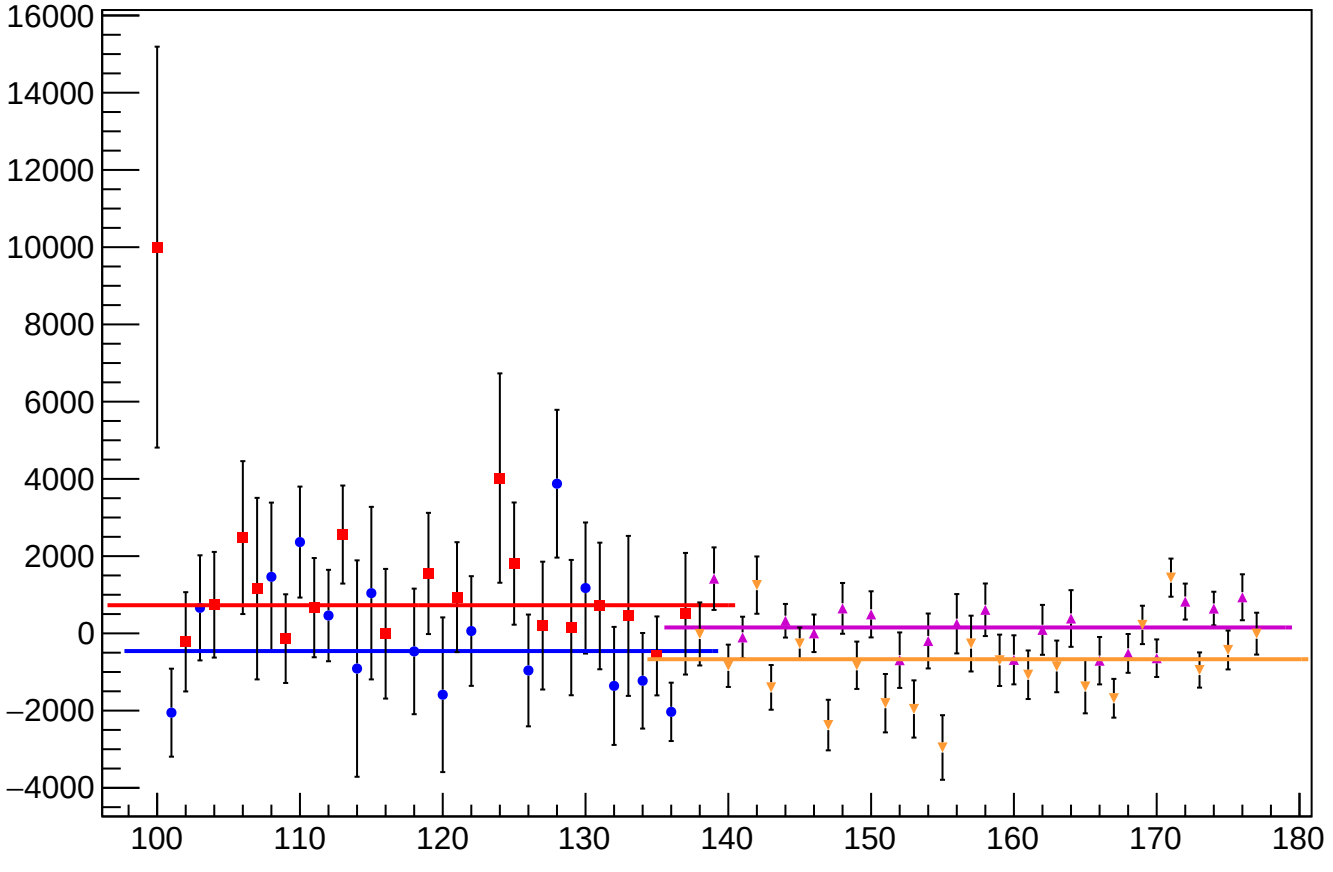
Right: 80.101+/-0.015 χ^2/NDF: 962217.4/34

In: 74.178+/-0.011 χ^2/NDF:830106.5/34

Out: 74.434+/-0.011 χ^2/NDF:1237006.6/39

All: 74.308+/-0.008 χ^2/NDF: 2067377.2/74

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: -669.285+/-128.315 χ^2/NDF:59.1/20

Right Out: 728.750+/-352.574 χ^2/NDF: 11.5/18

Left In: 153.053+/-131.660 χ^2/NDF:19.3/18

Left: -268.695+/-91.892 χ^2/NDF: 98.3/39

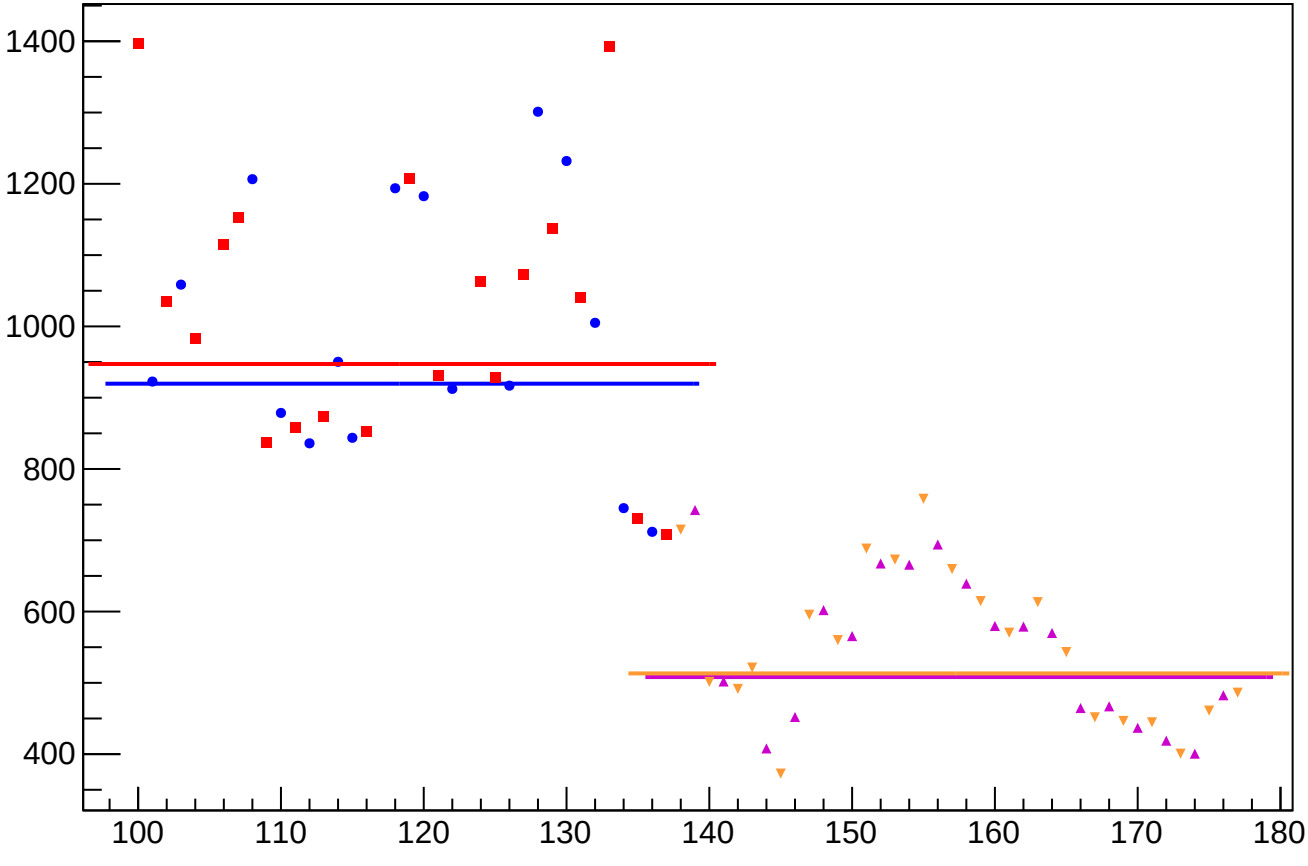
Right: 131.100+/-248.419 χ^2/NDF: 37.5/34

In: 77.319+/-123.233 χ^2/NDF:42.2/34

Out: -505.771+/-120.578 χ^2/NDF:84.5/39

All: -220.575+/-86.185 χ^2/NDF: 138.1/74

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: 513.227+/-0.091 χ^2/NDF:1216396.1/20

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

Left In: 508.131+/-0.093 χ^2/NDF:1075992.2/18

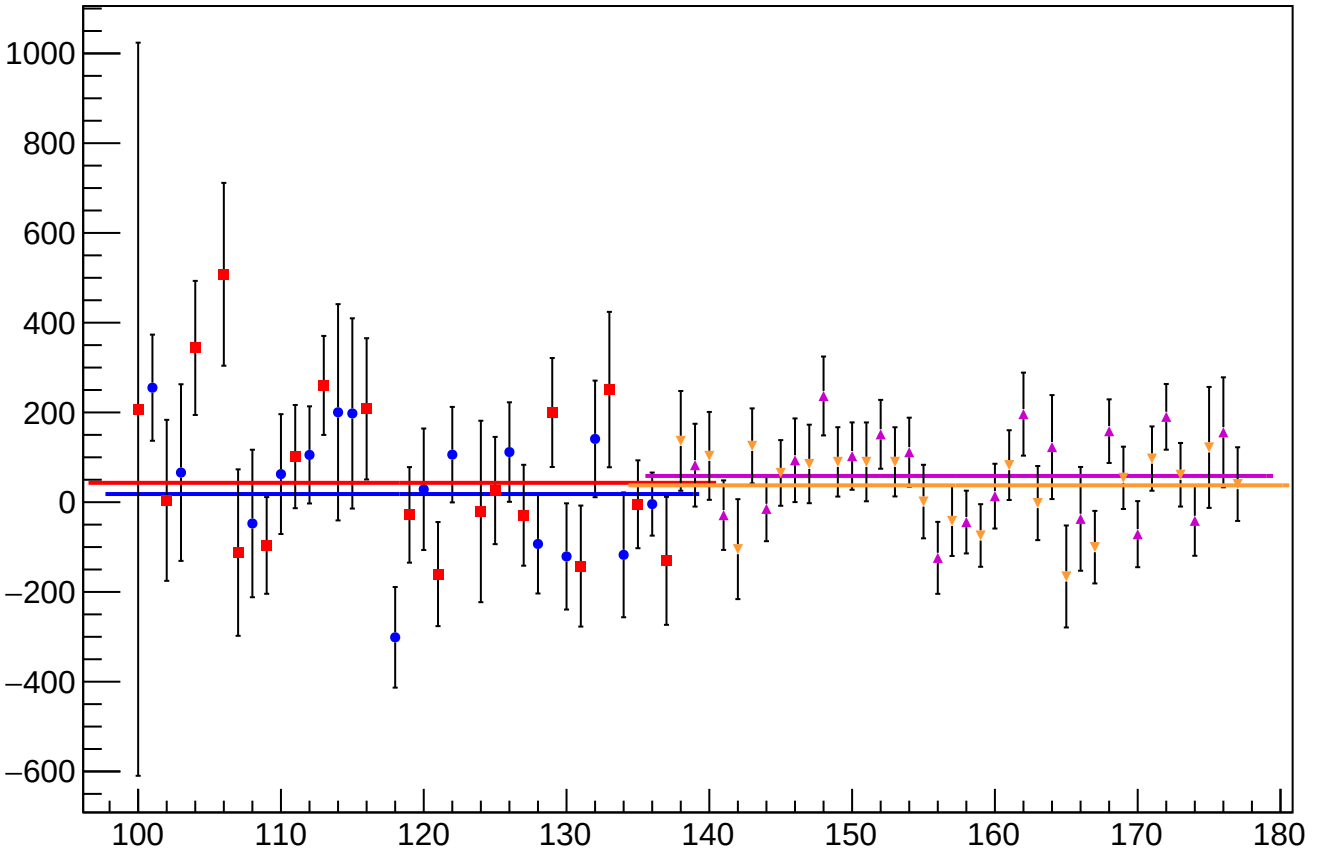
Left: 510.745+/-0.065 χ^2/NDF: 2293925.1/39

Right: 933.357+/-0.176 χ^2/NDF: 947194.3/34

In: 559.124+/-0.087 χ^2/NDF:4012511.4/34

Out: 563.993+/-0.085 χ^2/NDF:4318537.5/39

All: 561.611+/-0.061 χ^2/NDF: 8332644.1/74



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 37.563+/-18.085 χ^2/NDF:17.4/20

Right Out: 43.144+/-30.707 χ^2/NDF: 27.7/18

Left In: 58.477+/-18.707 χ^2/NDF:30.5/18

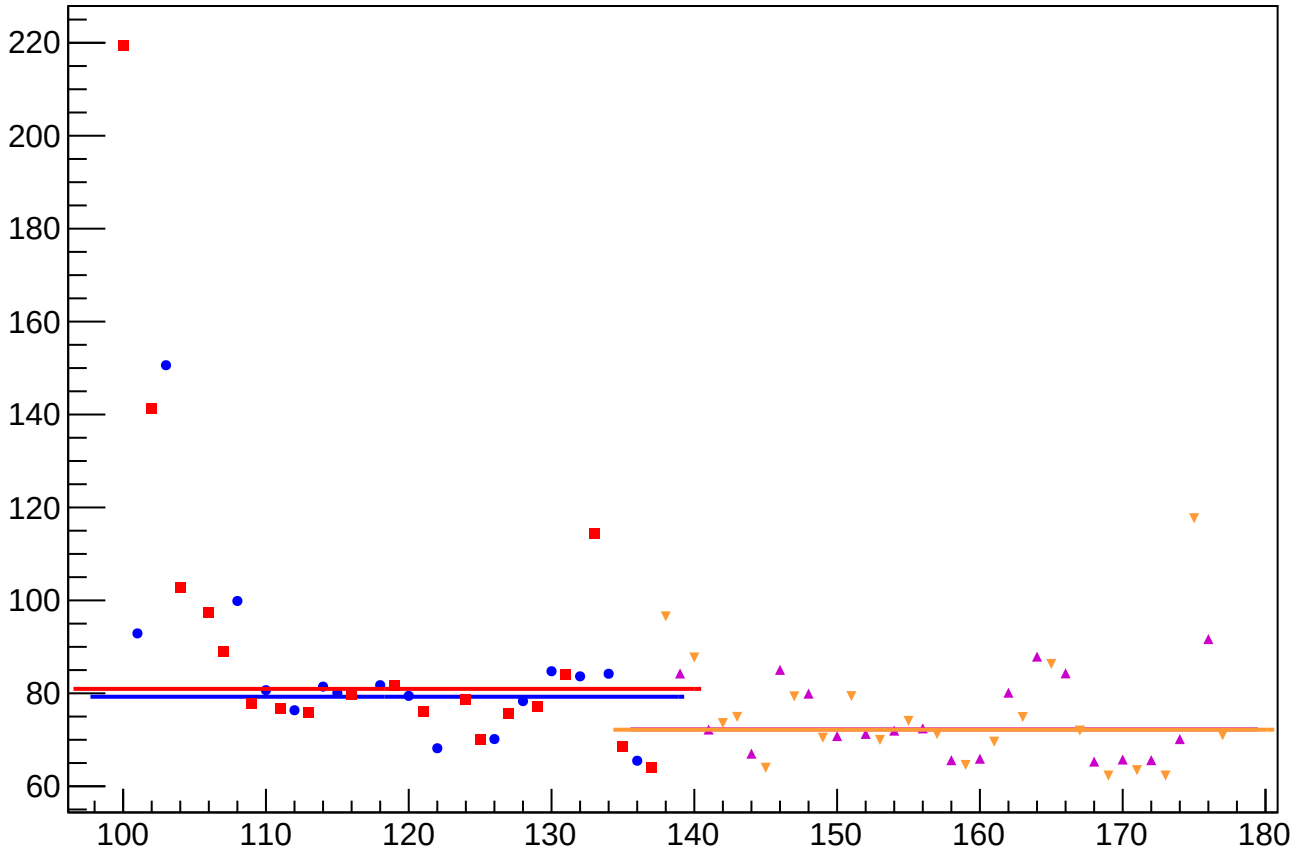
Left: 47.667+/-13.003 χ^2/NDF: 48.5/39

Right: 30.512+/-21.584 χ^2/NDF: 48.2/34

In: 47.379+/-15.925 χ^2/NDF:51.9/34

Out: 39.000+/-15.583 χ^2/NDF:45.1/39

All: 43.099+/-11.138 χ^2/NDF: 97.2/74



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 72.171+/-0.013 χ^2/NDF:601204.3/20

Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 72.245+/-0.013 χ^2/NDF:307643.8/18

Left: 72.207+/-0.009 χ^2/NDF: 908864.5/39

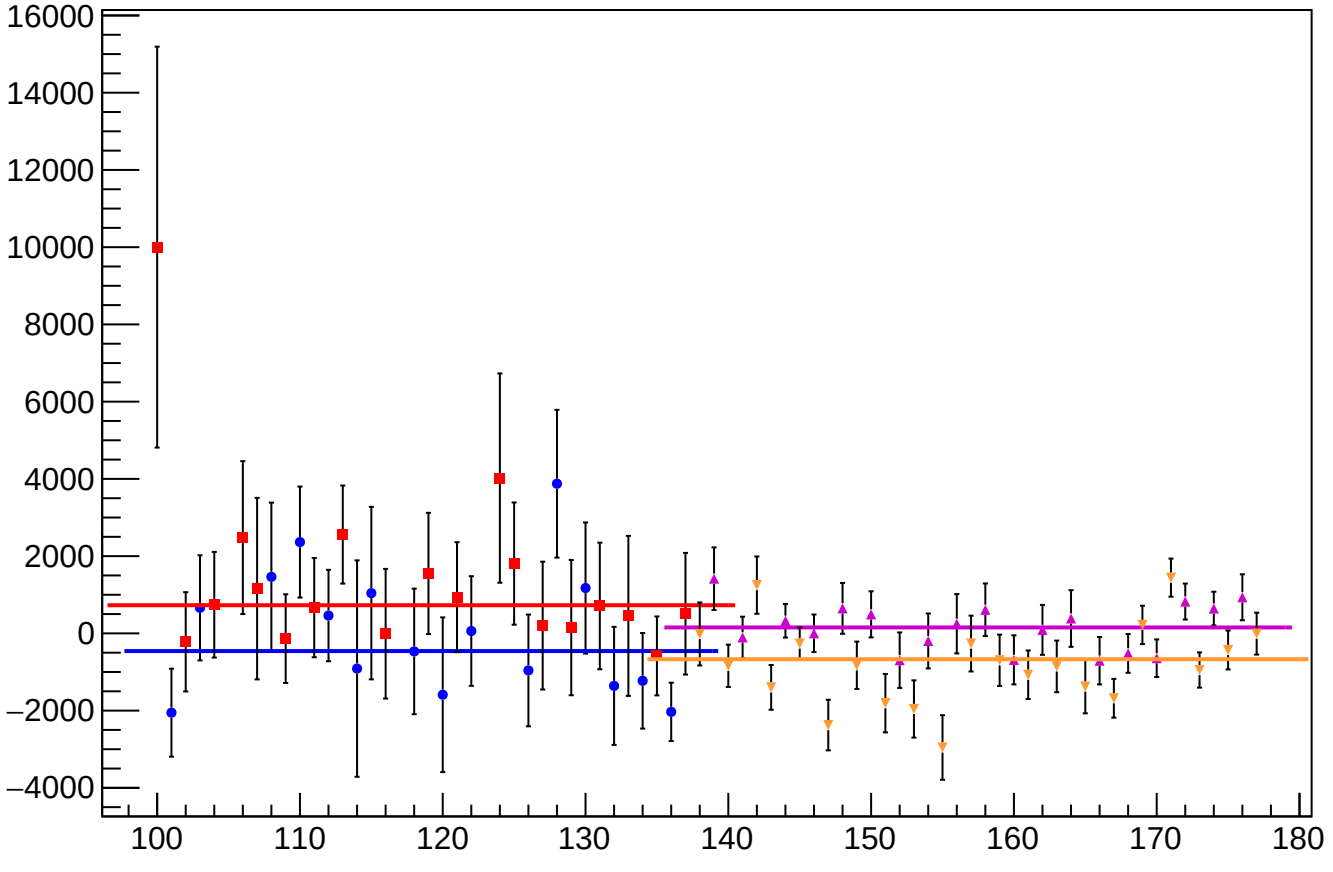
Right: 80.100+/-0.015 χ^2/NDF: 962223.7/34

In: 74.178+/-0.011 χ^2/NDF:830093.4/34

Out: 74.434+/-0.011 χ^2/NDF:1237002.8/39

All: 74.309+/-0.008 χ^2/NDF: 2067360.3/74

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: -669.284+/-128.315 χ^2/NDF:59.1/20

Right Out: 728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: 153.052+/-131.660 χ^2/NDF:19.3/18

Left: -268.695+/-91.892 χ^2/NDF: 98.3/39

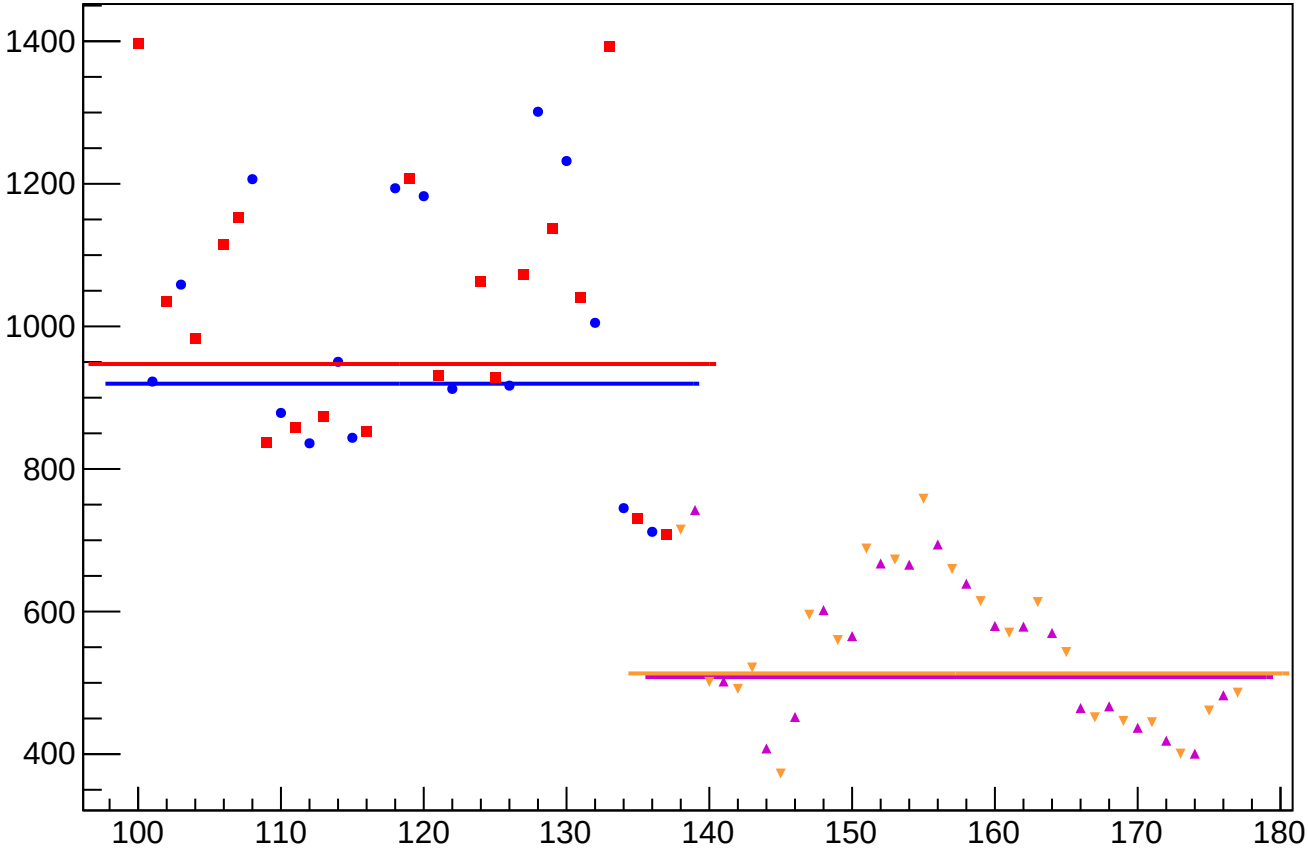
Right: 131.102+/-248.419 χ^2/NDF: 37.5/34

In: 77.319+/-123.233 χ^2/NDF:42.2/34

Out: -505.770+/-120.578 χ^2/NDF:84.5/39

All: -220.574+/-86.185 χ^2/NDF: 138.1/74

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: 513.226+/-0.091 χ^2/NDF:1216399.3/20

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

Left In: 508.130+/-0.093 χ^2/NDF:1075992.1/18

Left: 510.744+/-0.065 χ^2/NDF: 2293928.2/39

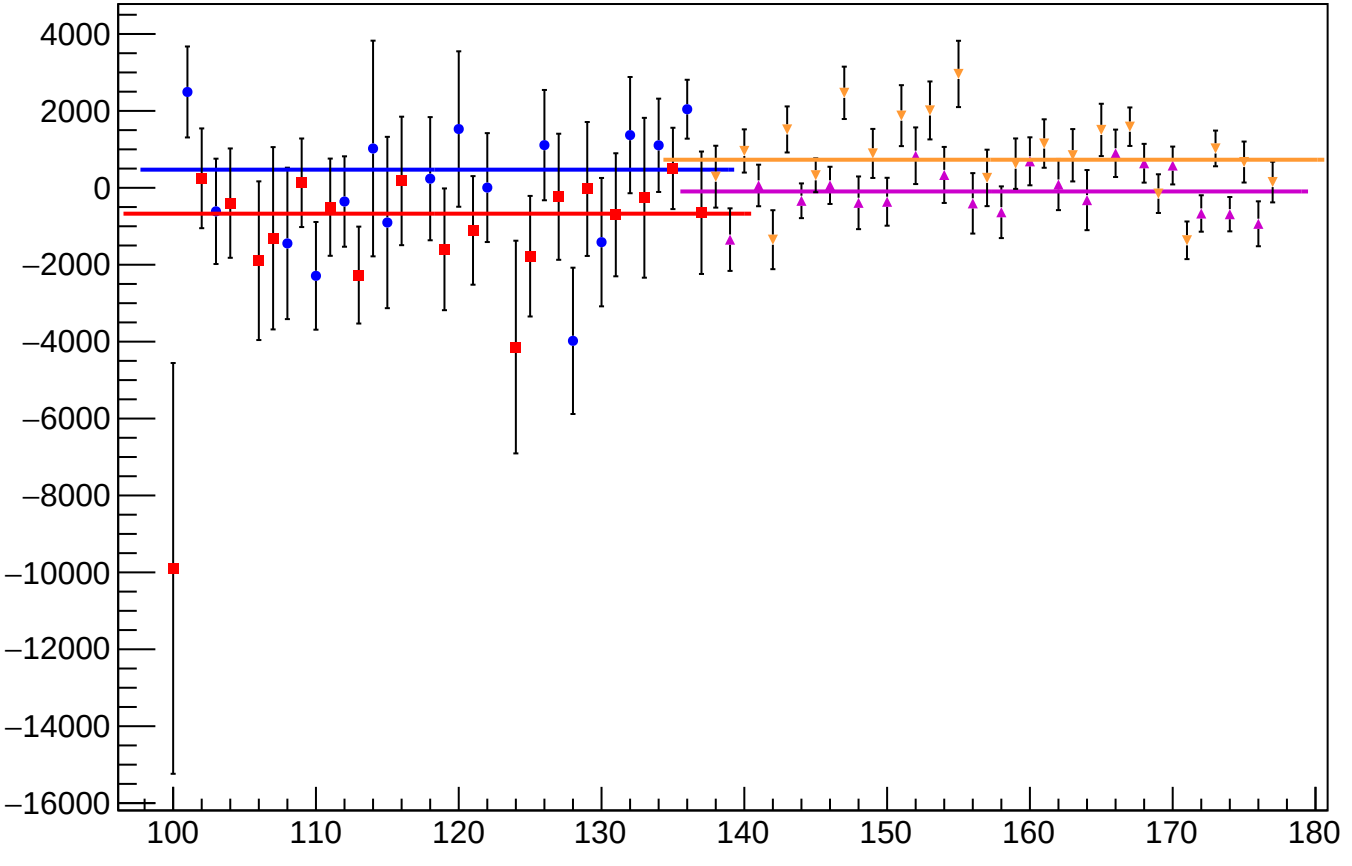
Right: 933.355+/-0.176 χ^2/NDF: 947195.7/34

In: 559.123+/-0.087 χ^2/NDF:4012507.6/34

Out: 563.992+/-0.085 χ^2/NDF:4318537.4/39

All: 561.611+/-0.061 χ^2/NDF: 8332640.1/74

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 730.340+/-130.691 χ^2/NDF:56.8/20

Right Out: -672.537+/-354.512 χ^2/NDF: 10.3/18

Left In: -94.790+/-133.696 χ^2/NDF:19.6/18

Left: 327.150+/-93.457 χ^2/NDF: 95.9/39

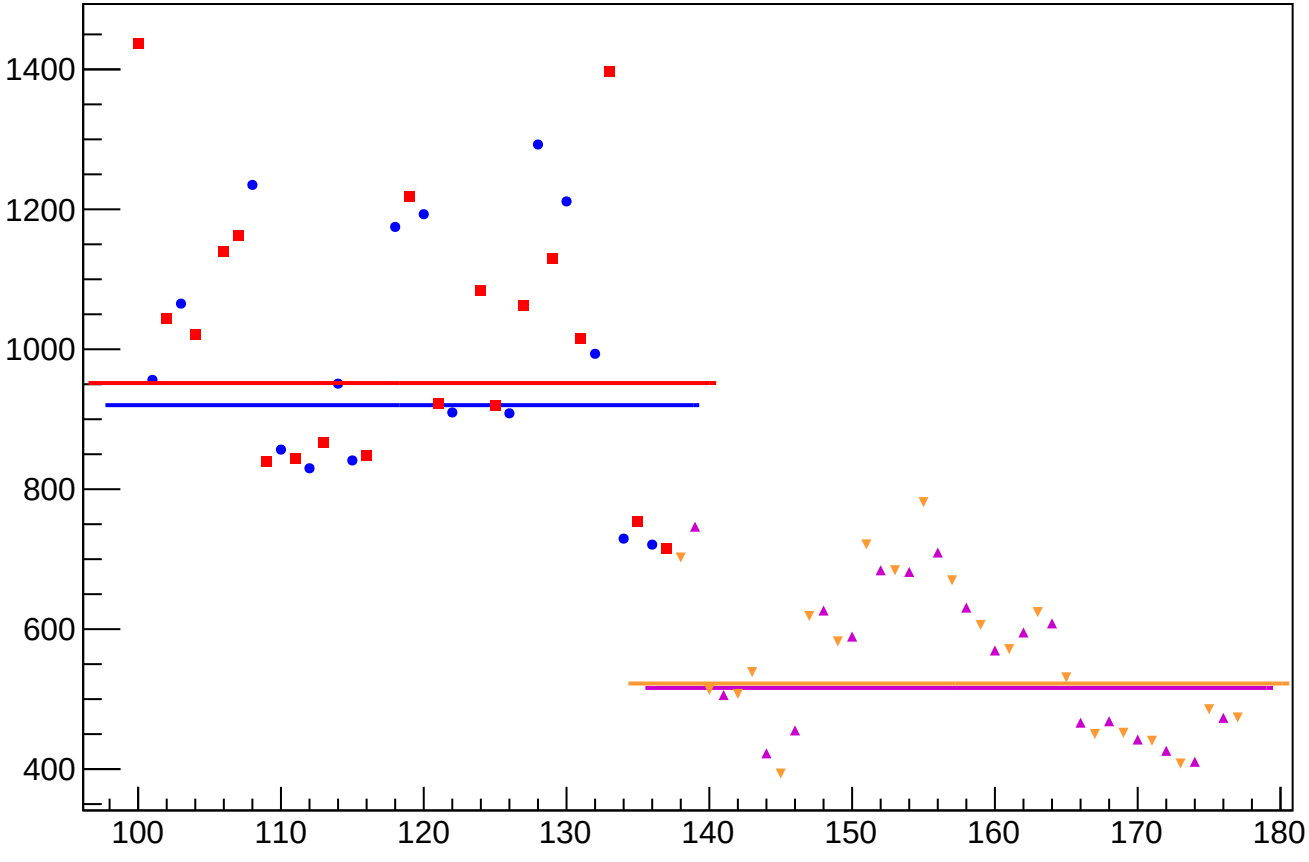
Right: -93.545+/-249.203 χ^2/NDF: 37.1/34

In: -22.752+/-124.911 χ^2/NDF:43.3/34

Out: 562.495+/-122.624 χ^2/NDF:80.9/39

All: 275.278+/-87.506 χ^2/NDF: 135.5/74

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 522.315+/-0.092 χ^2/NDF:1185841.5/20

Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 516.012+/-0.095 χ^2/NDF:1086853.2/18

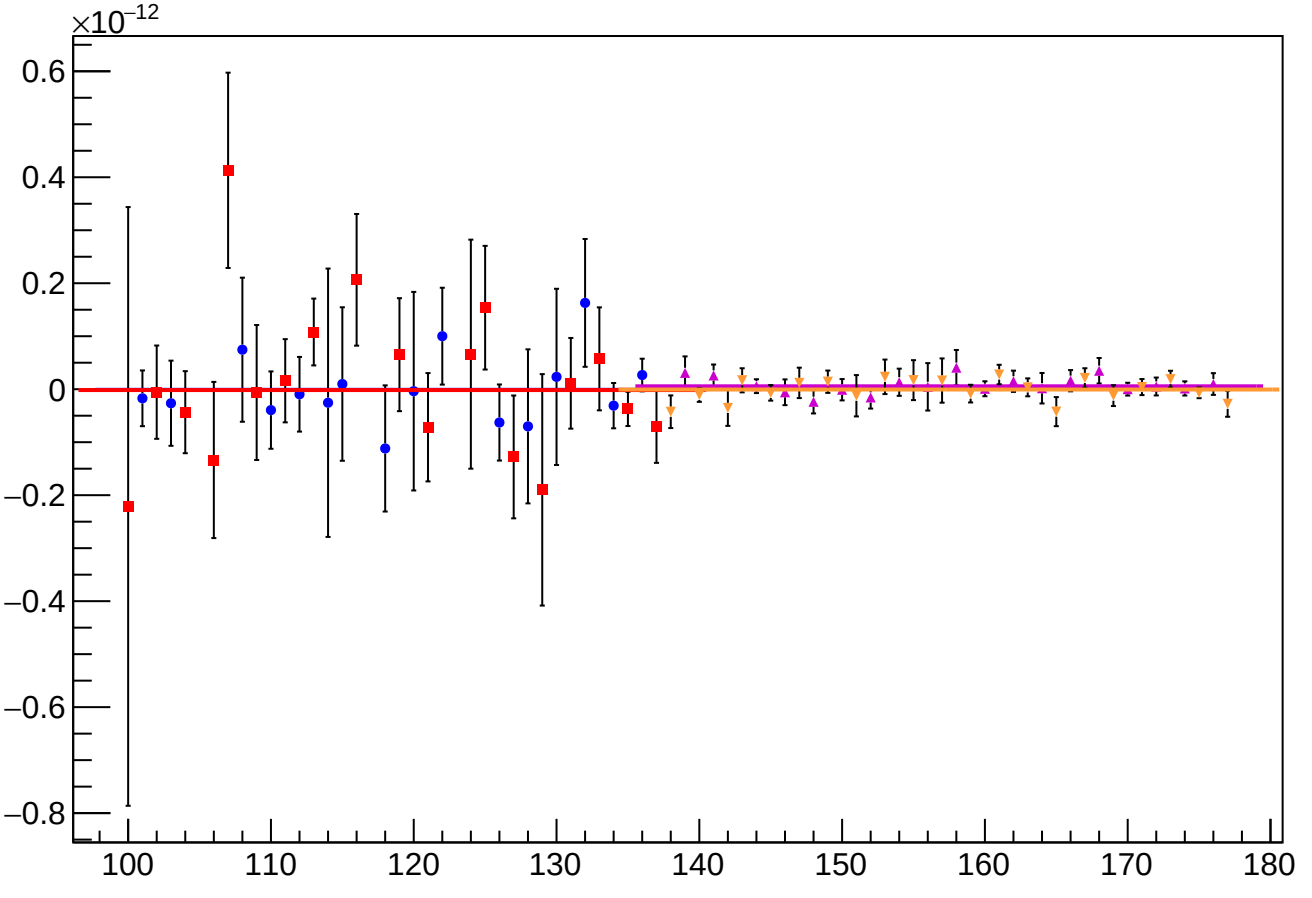
Left: 519.235+/-0.066 χ^2/NDF: 2274968.4/39

Right: 935.740+/-0.176 χ^2/NDF: 932834.0/34

In: 567.373+/-0.088 χ^2/NDF:3917925.3/34

Out: 573.692+/-0.087 χ^2/NDF:4185242.4/39

All: 570.591+/-0.062 χ^2/NDF: 8105773.9/74



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.9/20

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:8.4/18

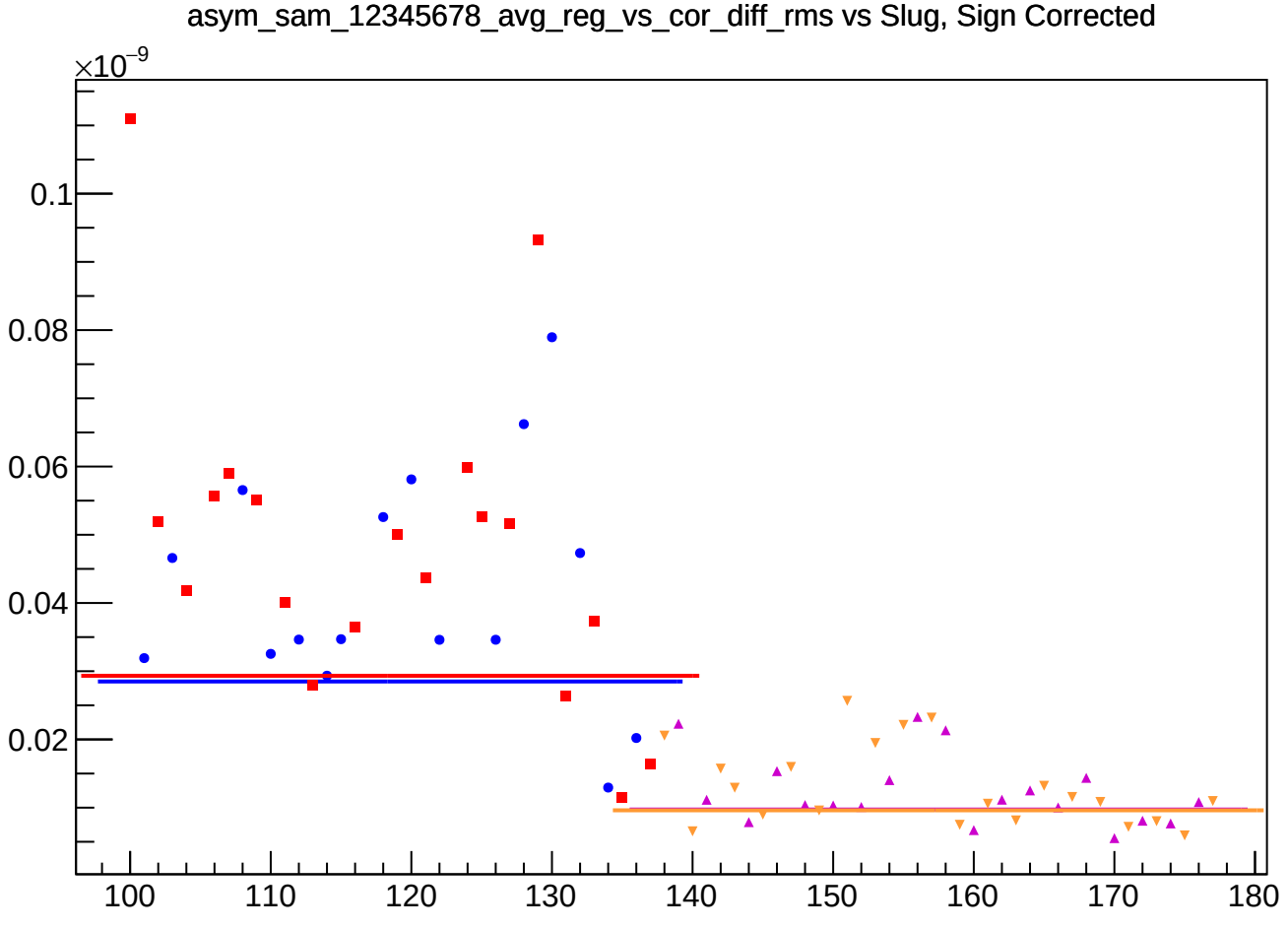
Left: 0.000+/-0.000 χ^2/NDF: 25.3/39

Right: -0.000+/-0.000 χ^2/NDF: 26.5/34

In: 0.000+/-0.000 χ^2/NDF:15.5/34

Out: -0.000+/-0.000 χ^2/NDF:35.3/39

All: 0.000+/-0.000 χ^2/NDF: 51.8/74



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1984267.5/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1478175.8/18

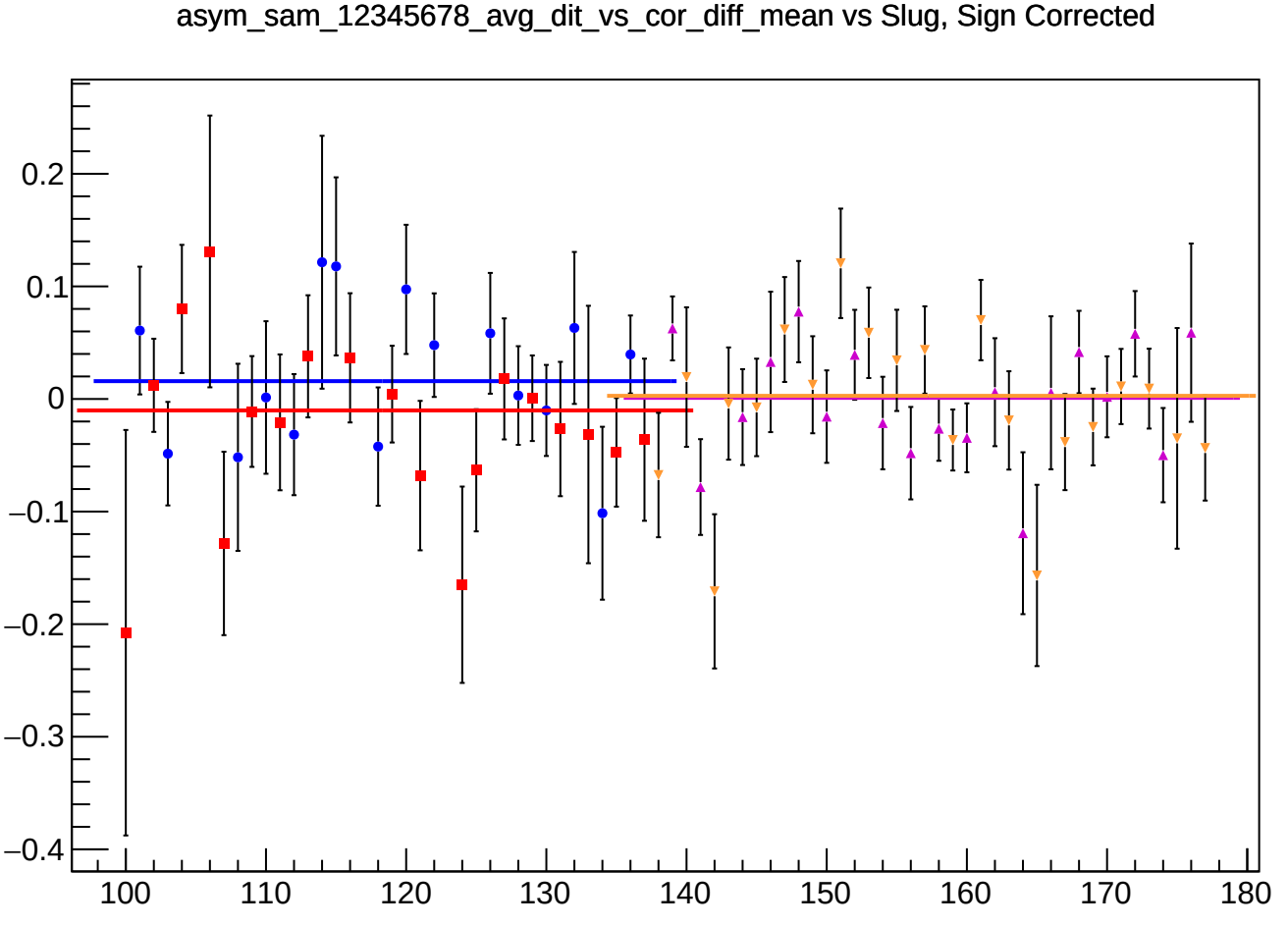
Left: 0.000+/-0.000 χ^2/NDF: 3463173.1/39

Right: 0.000+/-0.000 χ^2/NDF: 2800314.7/34

In: 0.000+/-0.000 χ^2/NDF:4746167.6/34

Out: 0.000+/-0.000 χ^2/NDF:5633251.0/39

All: 0.000+/-0.000 χ^2/NDF: 10385151.2/74



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.003+/-0.009 χ^2/NDF:31.9/20

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.001+/-0.009 χ^2/NDF:24.9/18

Left: 0.002+/-0.007 χ^2/NDF: 56.8/39

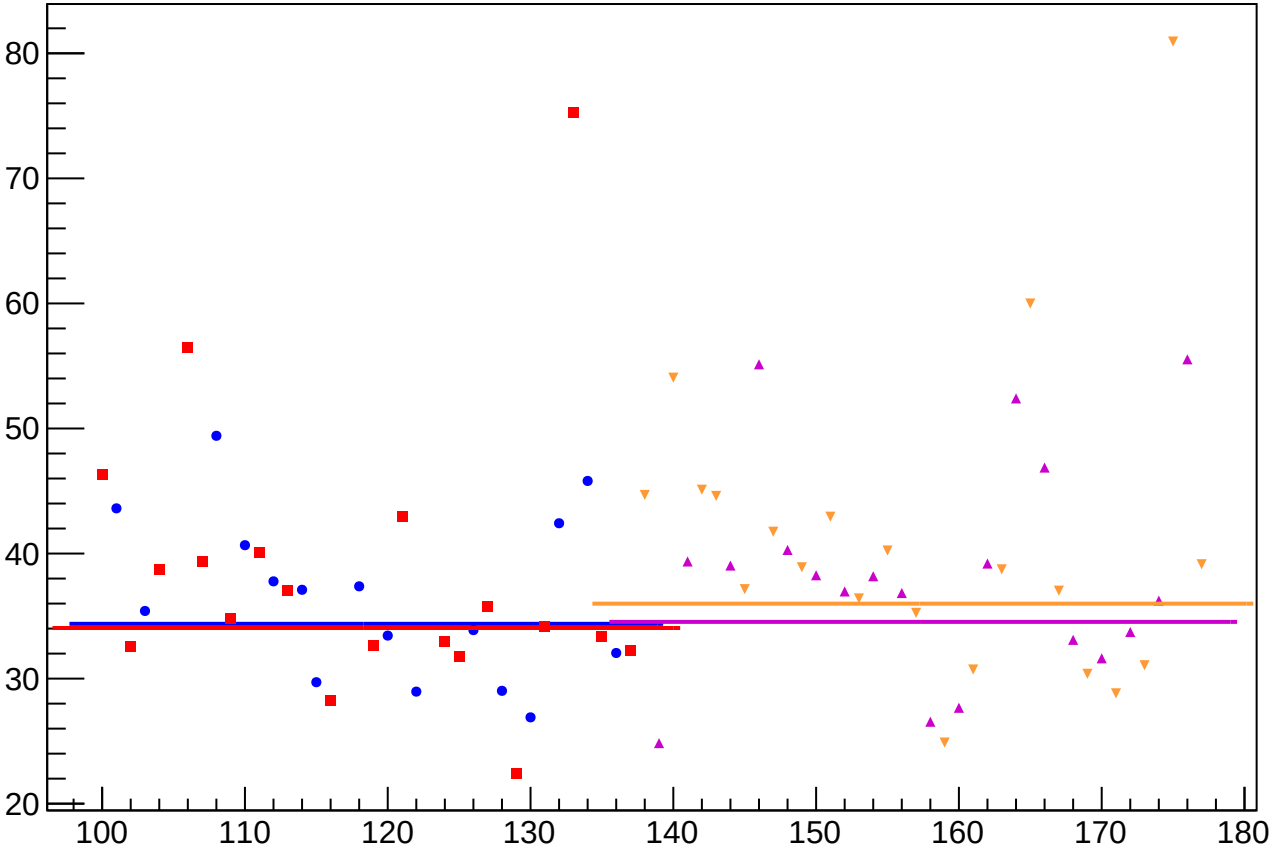
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.006+/-0.008 χ^2/NDF:40.5/34

Out: -0.002+/-0.008 χ^2/NDF:47.7/39

All: 0.002+/-0.005 χ^2/NDF: 88.6/74

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 35.994+/-0.007 χ^2/NDF:1597078.0/20

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.537+/-0.007 χ^2/NDF:1204824.2/18

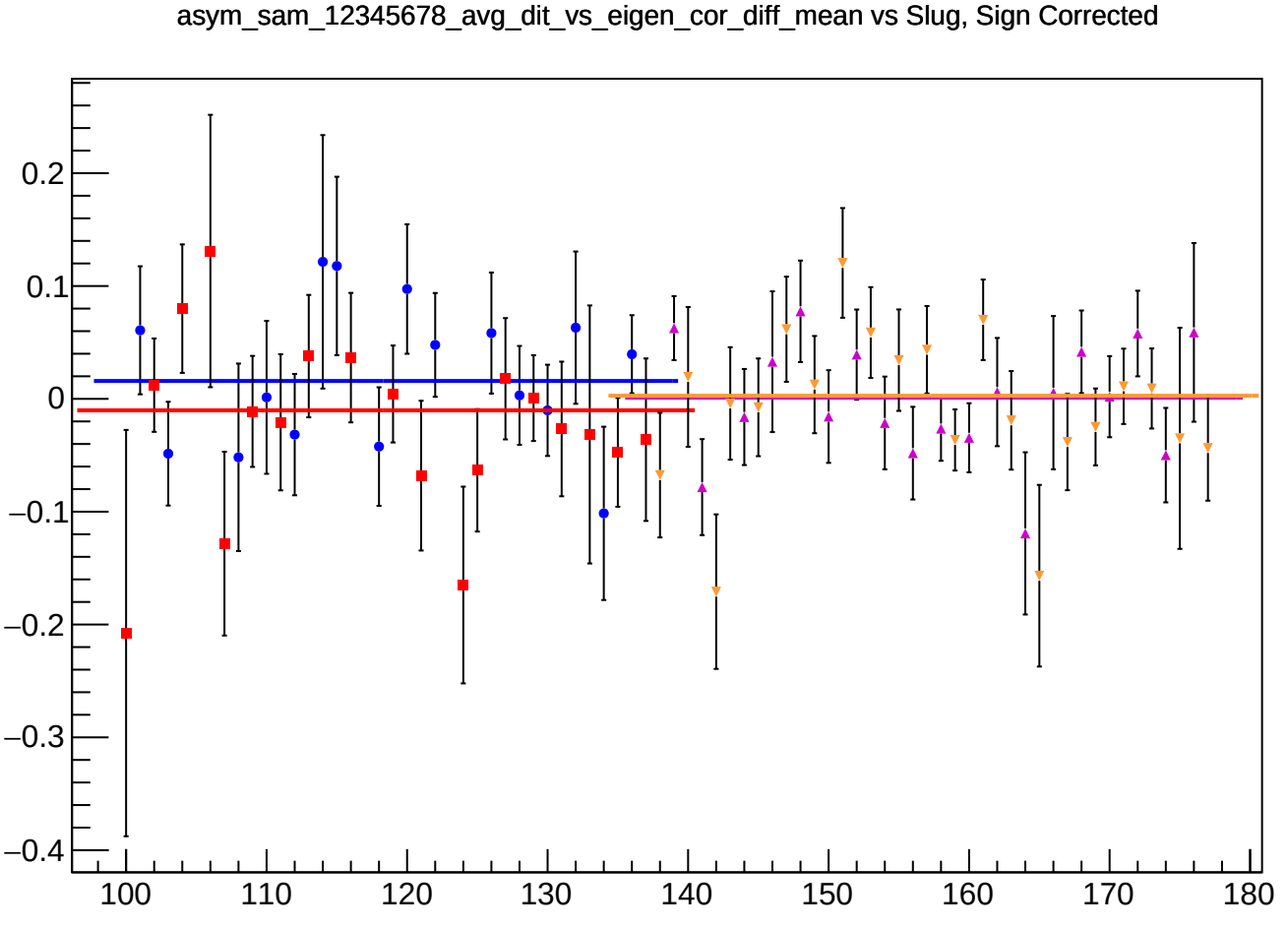
Left: 35.260+/-0.005 χ^2/NDF: 2826323.0/39

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.486+/-0.005 χ^2/NDF:1572888.1/34

Out: 35.343+/-0.005 χ^2/NDF:2268699.6/39

All: 34.915+/-0.004 χ^2/NDF: 3854191.7/74



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.003+/-0.009 χ^2/NDF:31.9/20

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.001+/-0.009 χ^2/NDF:24.9/18

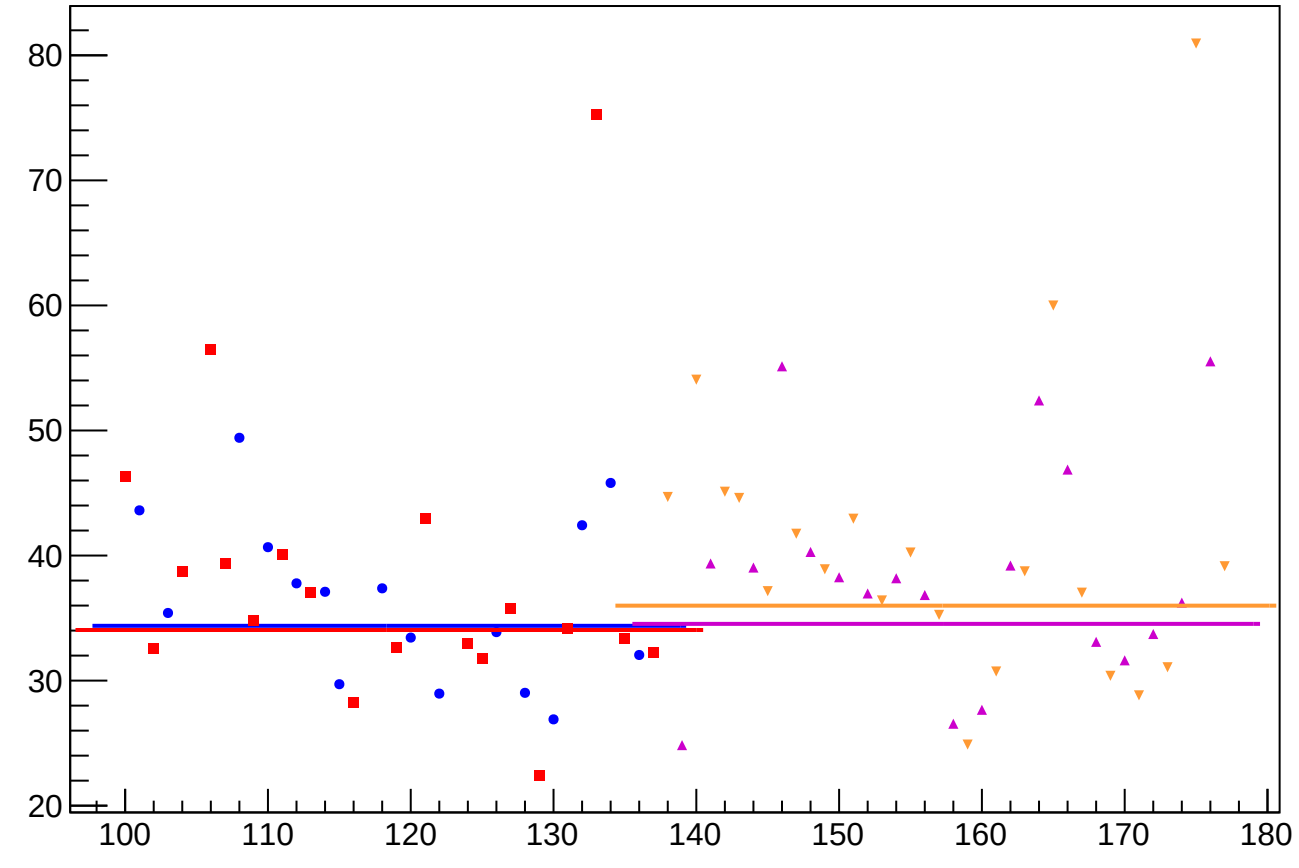
Left: 0.002+/-0.007 χ^2/NDF: 56.8/39

Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.006+/-0.008 χ^2/NDF:40.5/34

Out: -0.002+/-0.008 χ^2/NDF:47.7/39

All: 0.002+/-0.005 χ^2/NDF: 88.6/74



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 35.994+/-0.007 χ^2/NDF:1597078.0/20

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.537+/-0.007 χ^2/NDF:1204824.2/18

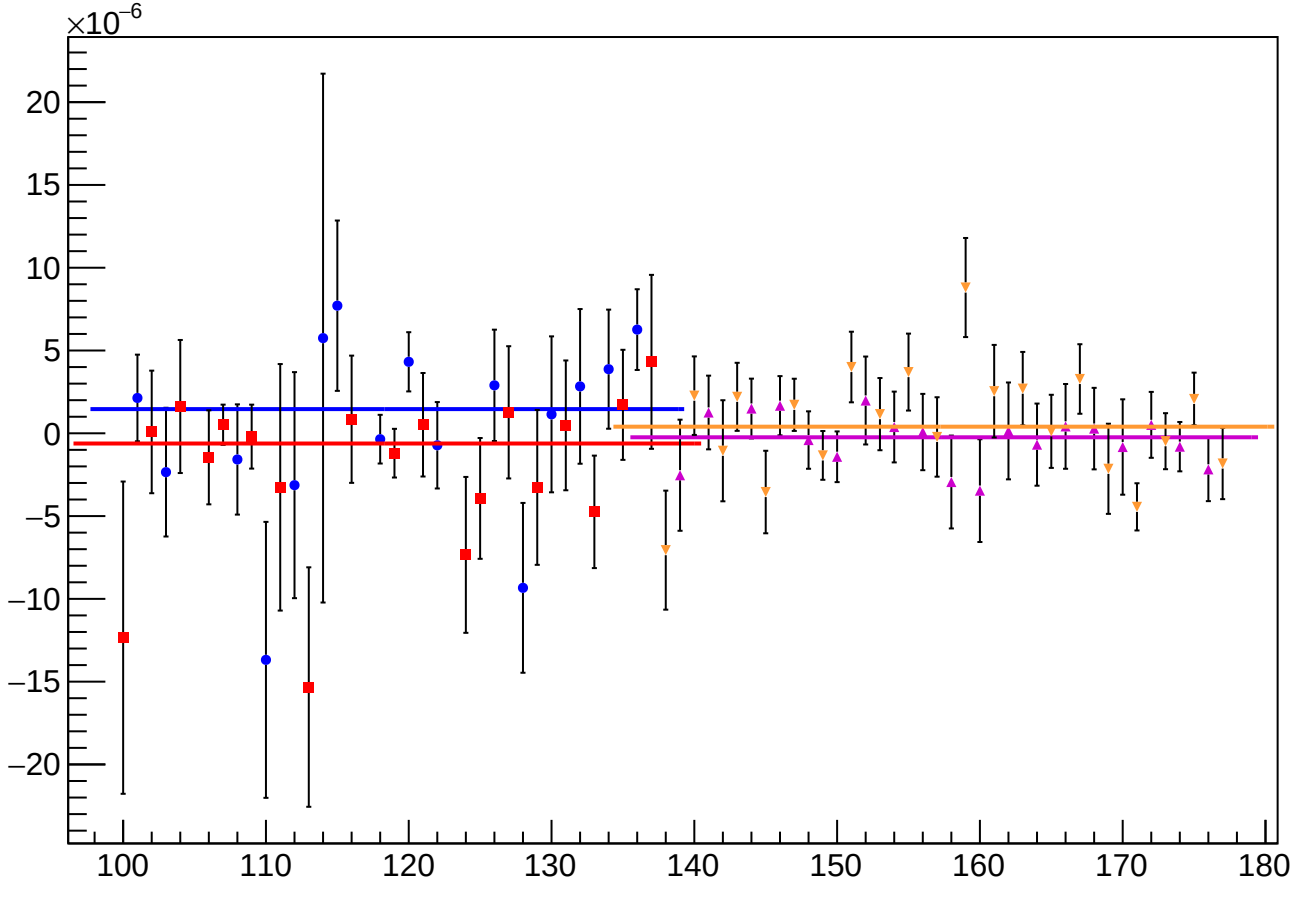
Left: 35.260+/-0.005 χ^2/NDF: 2826323.0/39

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.486+/-0.005 χ^2/NDF:1572888.1/34

Out: 35.343+/-0.005 χ^2/NDF:2268699.6/39

All: 34.915+/-0.004 χ^2/NDF: 3854191.7/74



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.9/20

Right Out: -0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: -0.000+/-0.000 χ^2/NDF:7.9/18

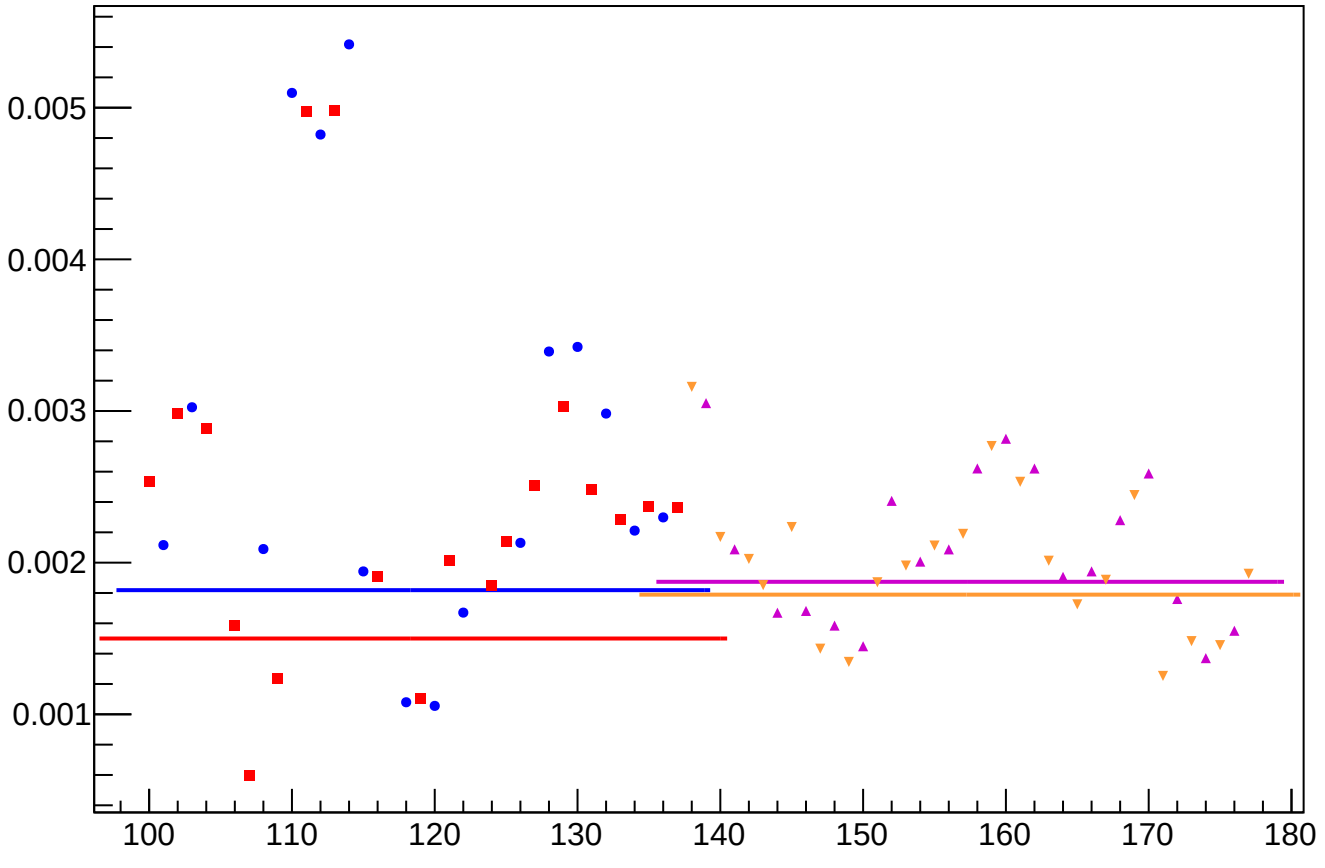
Left: 0.000+/-0.000 χ^2/NDF: 50.7/39

Right: 0.000+/-0.000 χ^2/NDF: 39.3/34

In: 0.000+/-0.000 χ^2/NDF:32.5/34

Out: 0.000+/-0.000 χ^2/NDF:57.5/39

All: 0.000+/-0.000 χ^2/NDF: 90.1/74



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1759678.5/20

Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:1556670.9/18

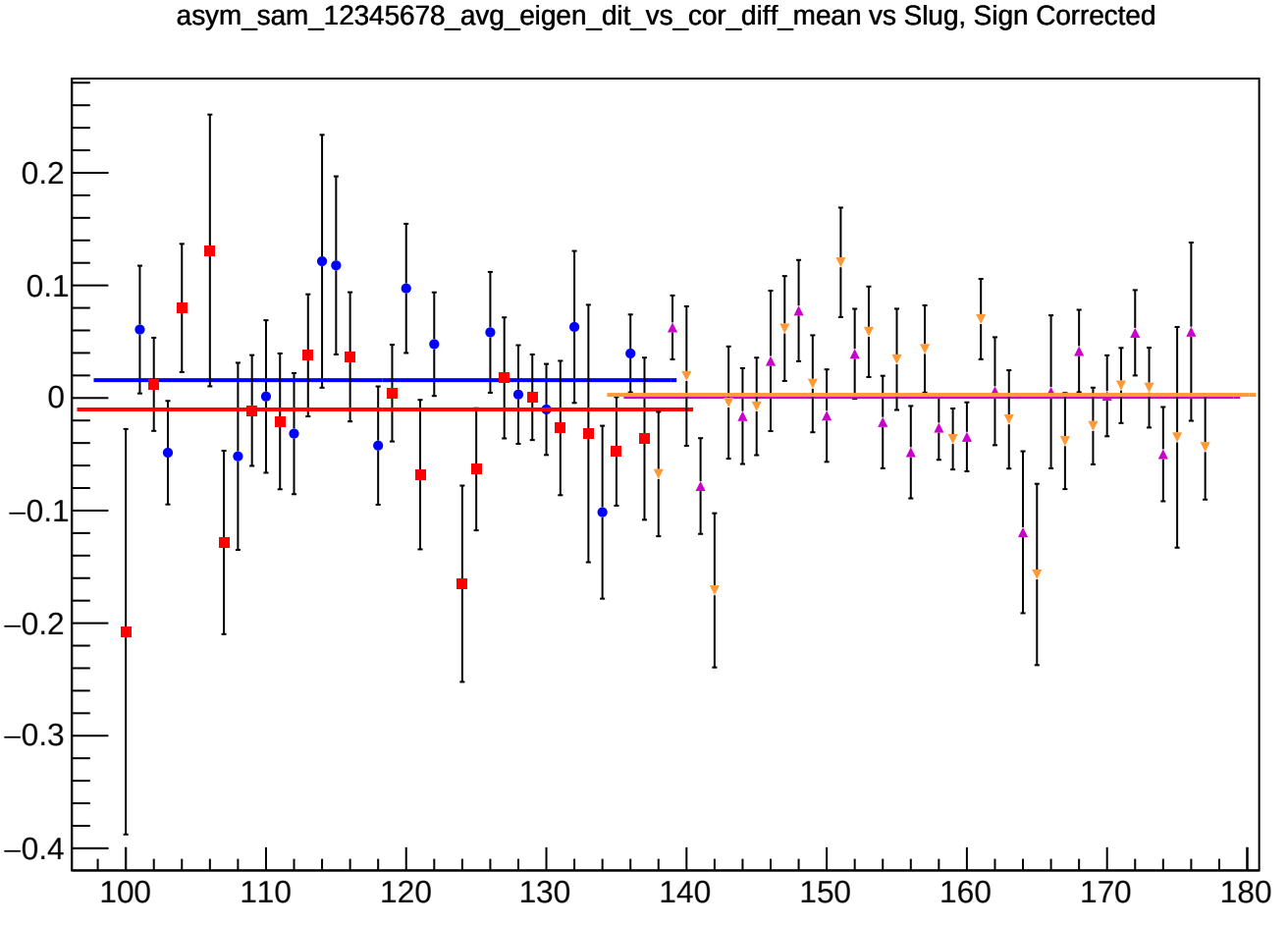
Left: 0.002+/-0.000 χ^2/NDF: 3348422.1/39

Right: 0.002+/-0.000 χ^2/NDF: 6466308.5/34

In: 0.002+/-0.000 χ^2/NDF:4134424.1/34

Out: 0.002+/-0.000 χ^2/NDF:5717889.4/39

All: 0.002+/-0.000 χ^2/NDF: 10026394.9/74



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.003+/-0.009 χ^2/NDF:31.9/20

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.001+/-0.009 χ^2/NDF:24.9/18

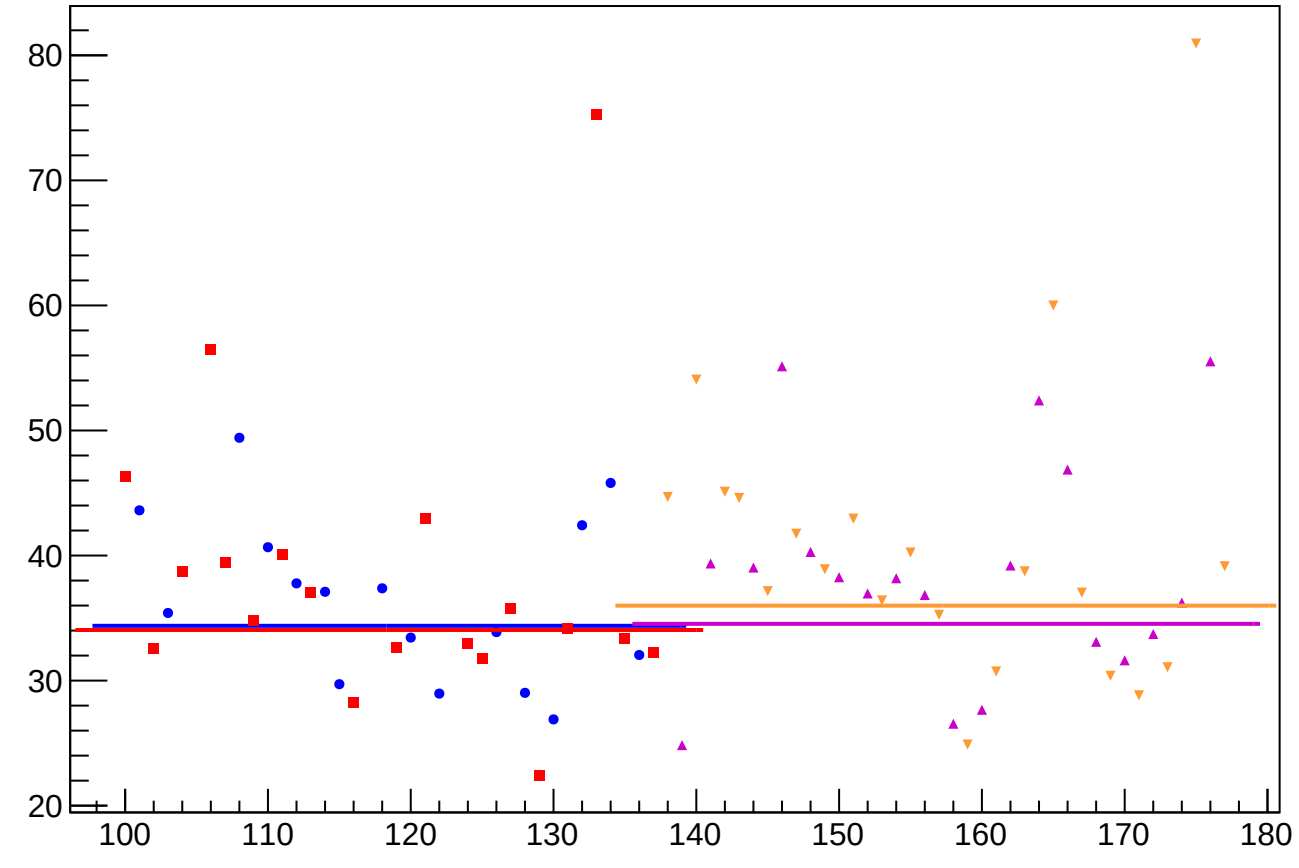
Left: 0.002+/-0.007 χ^2/NDF: 56.8/39

Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.006+/-0.008 χ^2/NDF:40.5/34

Out: -0.002+/-0.008 χ^2/NDF:47.7/39

All: 0.002+/-0.005 χ^2/NDF: 88.6/74



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 35.994+/-0.007 χ^2/NDF:1597134.5/20

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 34.537+/-0.007 χ^2/NDF:1204880.7/18

Left: 35.261+/-0.005 χ^2/NDF: 2826432.3/39

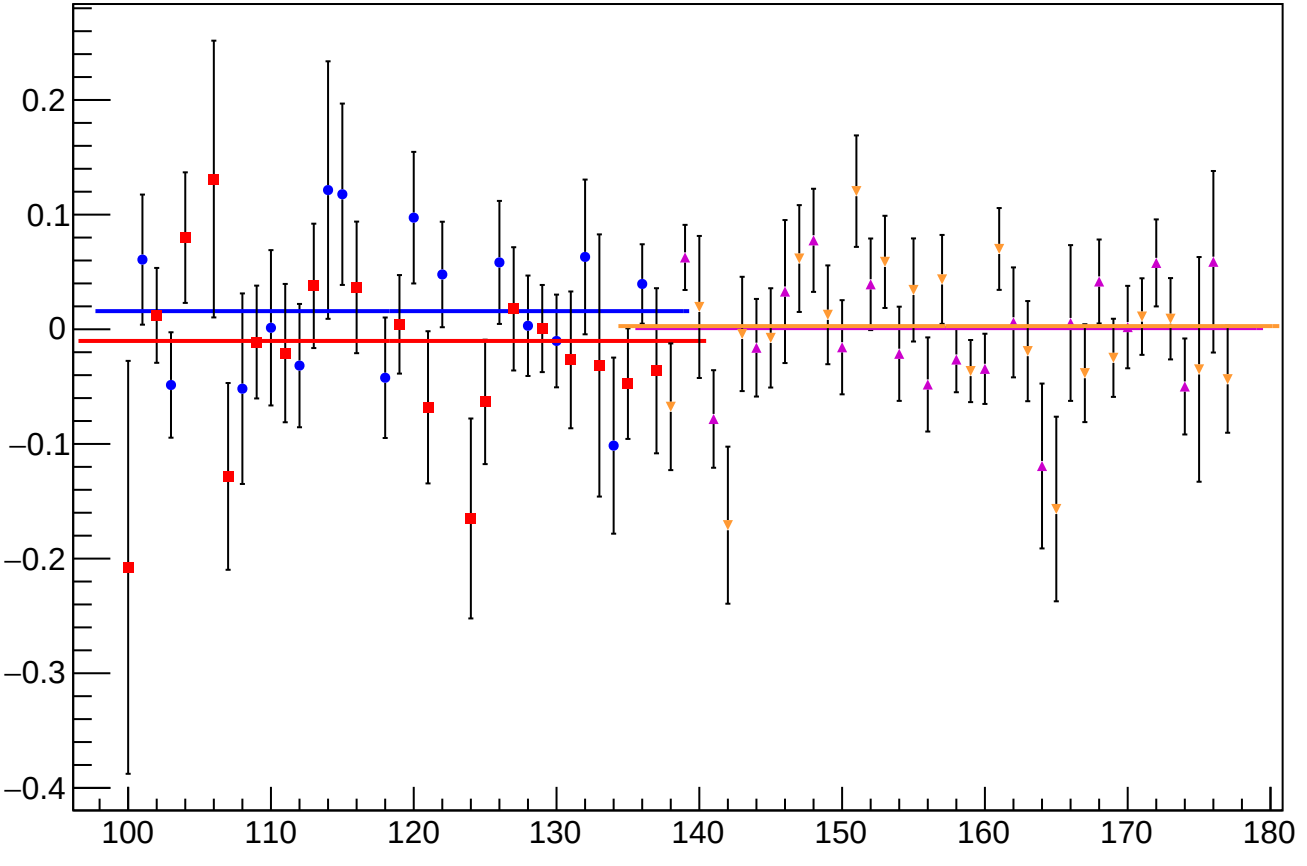
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 34.486+/-0.005 χ^2/NDF:1573004.2/34

Out: 35.343+/-0.005 χ^2/NDF:2268822.0/39

All: 34.915+/-0.004 χ^2/NDF: 3854429.7/74

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:31.9/20

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.001+/-0.009 χ^2/NDF:24.9/18

Left: 0.002+/-0.007 χ^2/NDF: 56.8/39

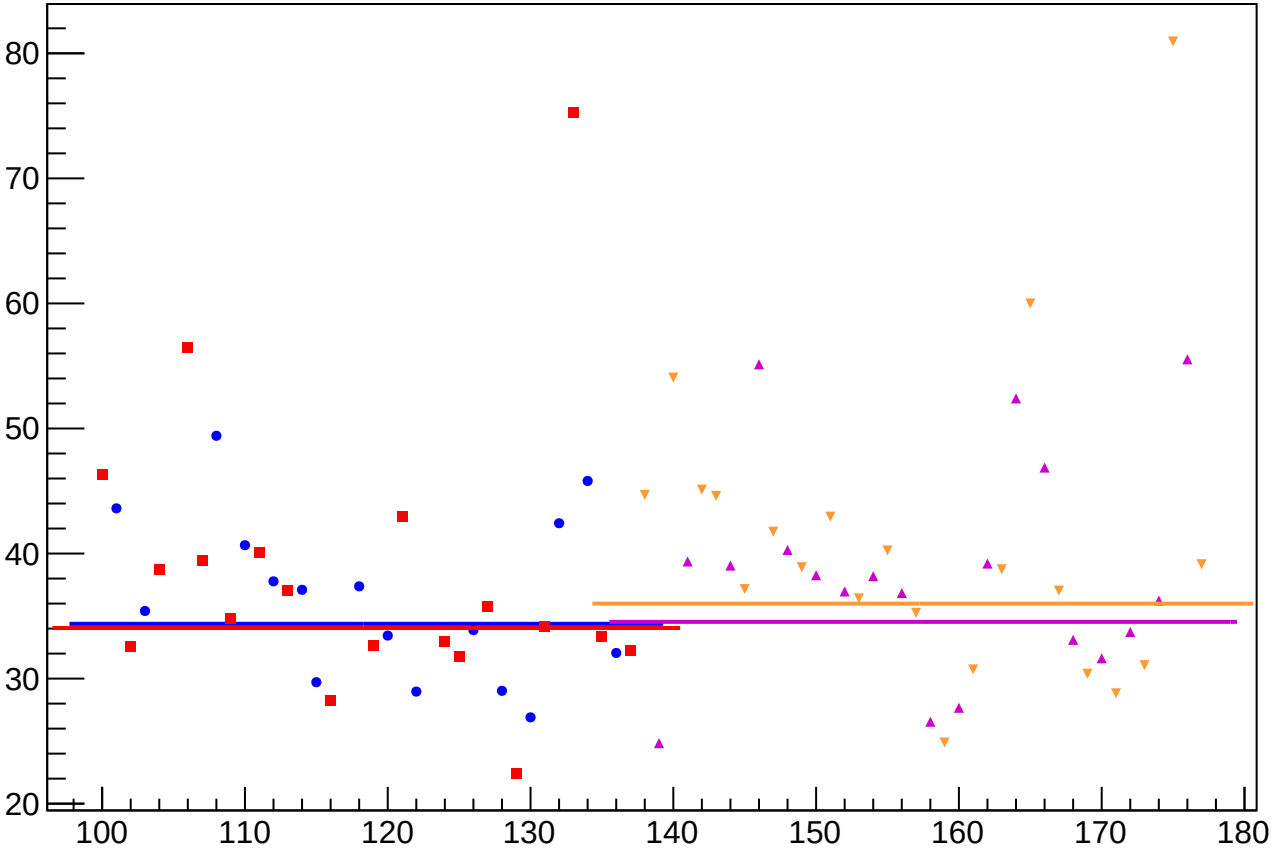
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.006+/-0.008 χ^2/NDF:40.5/34

Out: -0.002+/-0.008 χ^2/NDF:47.7/39

All: 0.002+/-0.005 χ^2/NDF: 88.6/74

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 35.994+/-0.007 χ^2/NDF:1597134.5/20

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 34.537+/-0.007 χ^2/NDF:1204880.7/18

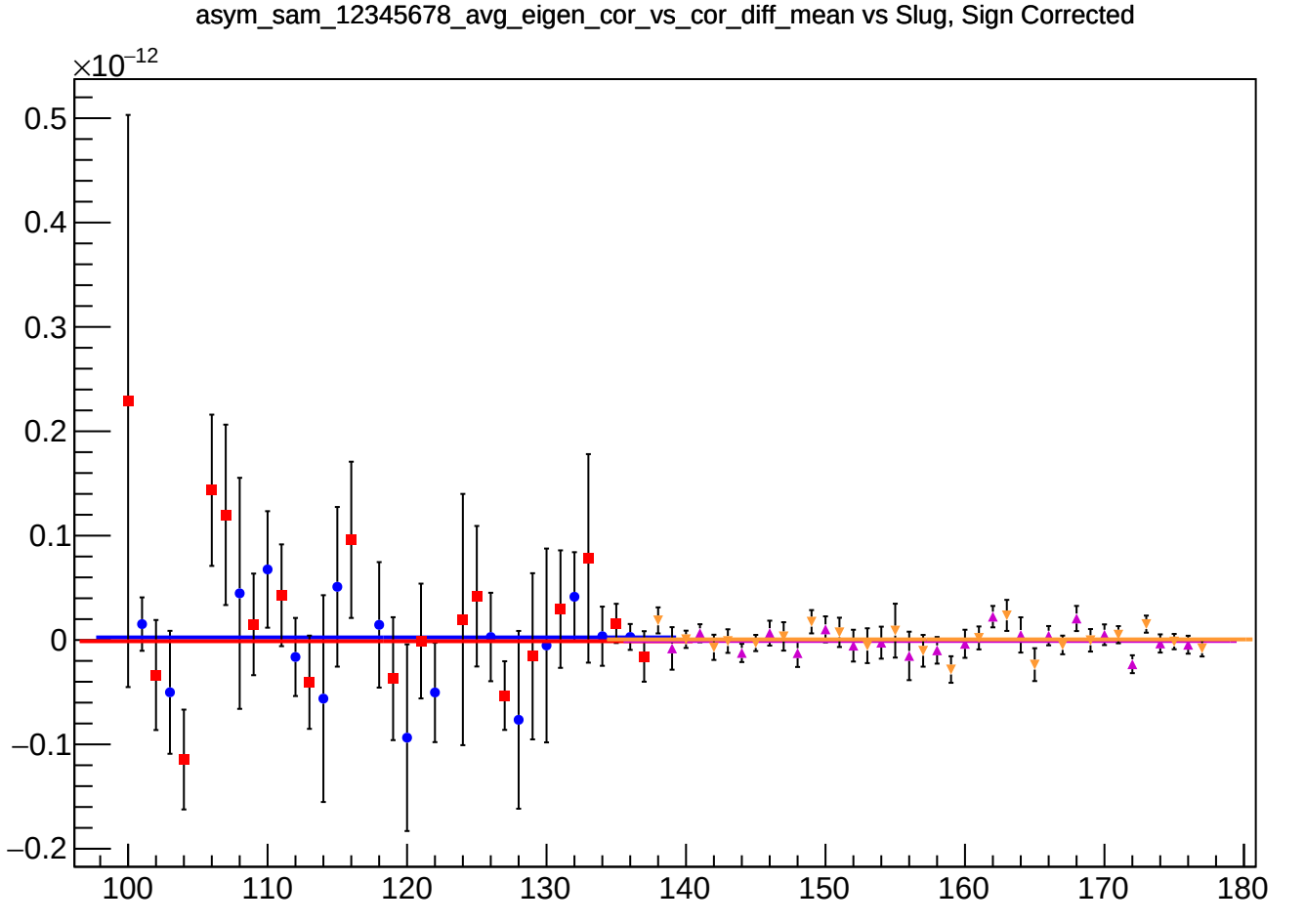
Left: 35.261+/-0.005 χ^2/NDF: 2826432.3/39

Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

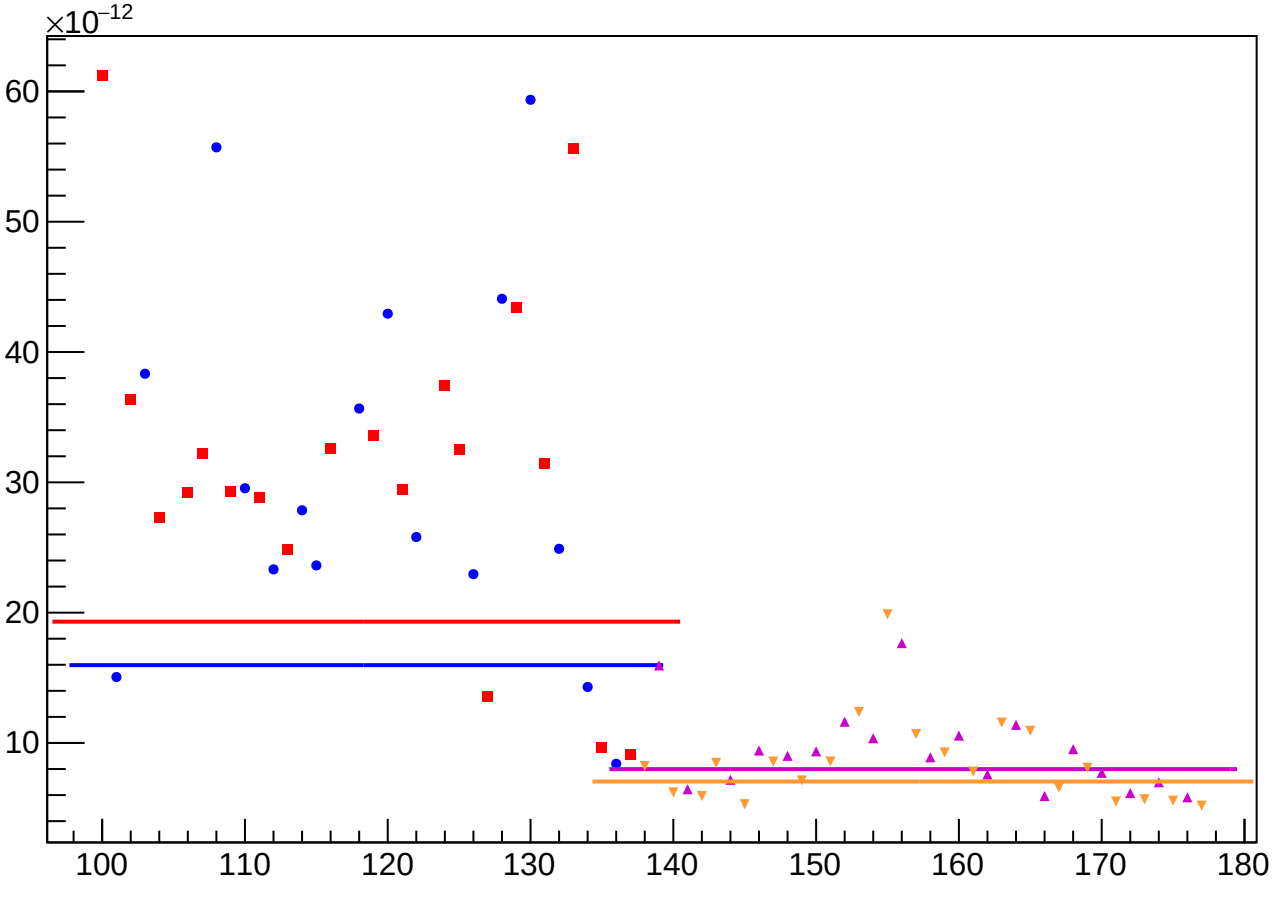
In: 34.486+/-0.005 χ^2/NDF:1573004.2/34

Out: 35.343+/-0.005 χ^2/NDF:2268822.0/39

All: 34.915+/-0.004 χ^2/NDF: 3854429.7/74


asym_sam_12345678_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
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 7.7/15
Left Out: 0.000+/-0.000 χ²/NDF:21.1/20
Right Out: -0.000+/-0.000 χ²/NDF: 21.5/18
Left In: -0.000+/-0.000 χ²/NDF:21.7/18
Left: -0.000+/-0.000 χ²/NDF: 43.0/39
Right: 0.000+/-0.000 χ²/NDF: 29.3/34
In: -0.000+/-0.000 χ²/NDF:29.5/34
Out: 0.000+/-0.000 χ²/NDF:42.6/39
All: -0.000+/-0.000 χ²/NDF: 72.3/74

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:1771564.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2440768.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1505580.0/18

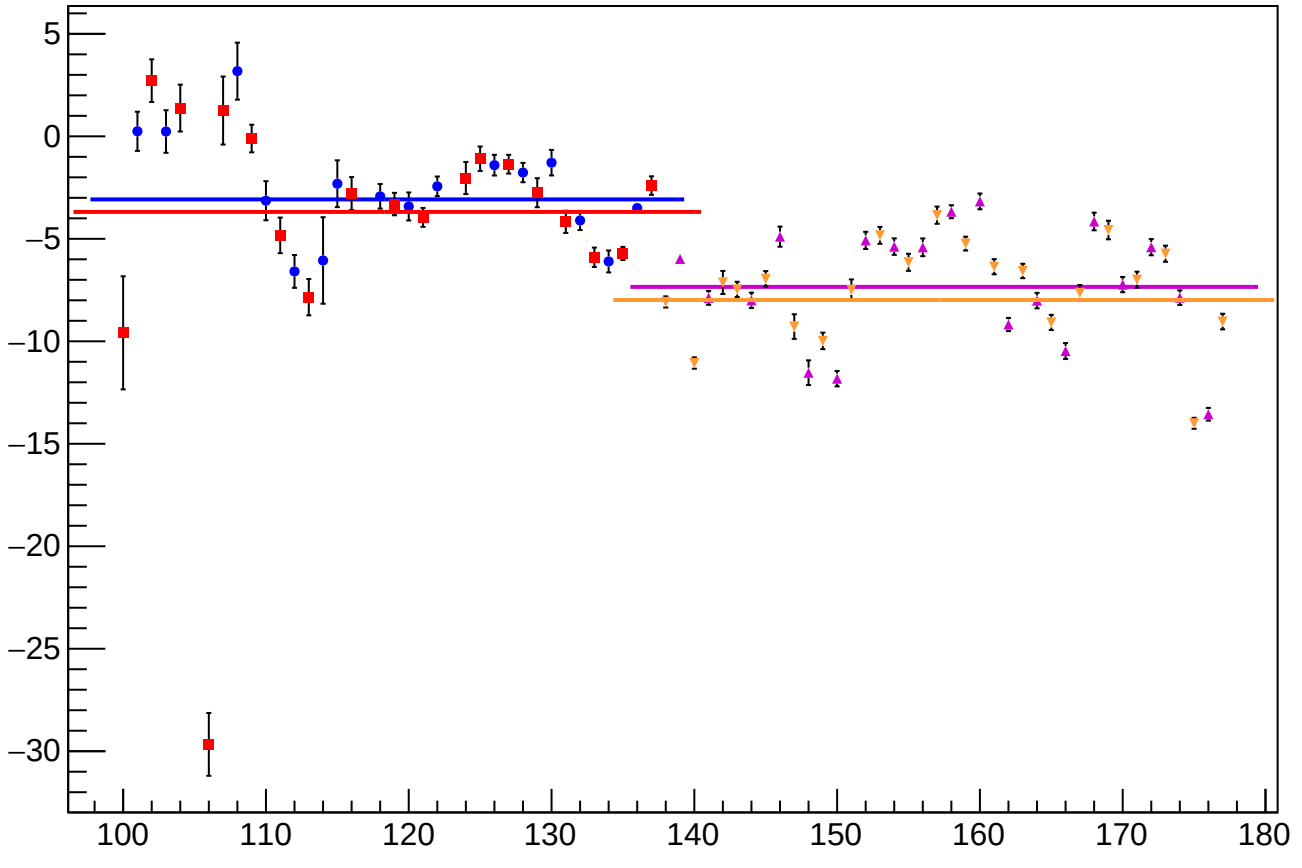
Left: 0.000+/-0.000 χ^2/NDF: 3429785.4/39

Right: 0.000+/-0.000 χ^2/NDF: 5386653.4/34

In: 0.000+/-0.000 χ^2/NDF:5868661.0/34

Out: 0.000+/-0.000 χ^2/NDF:6962701.5/39

All: 0.000+/-0.000 χ^2/NDF: 13009092.7/74



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -7.984+/-0.081 χ^2/NDF:1057.4/20

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

Left In: -7.345+/-0.084 χ^2/NDF:1161.6/18

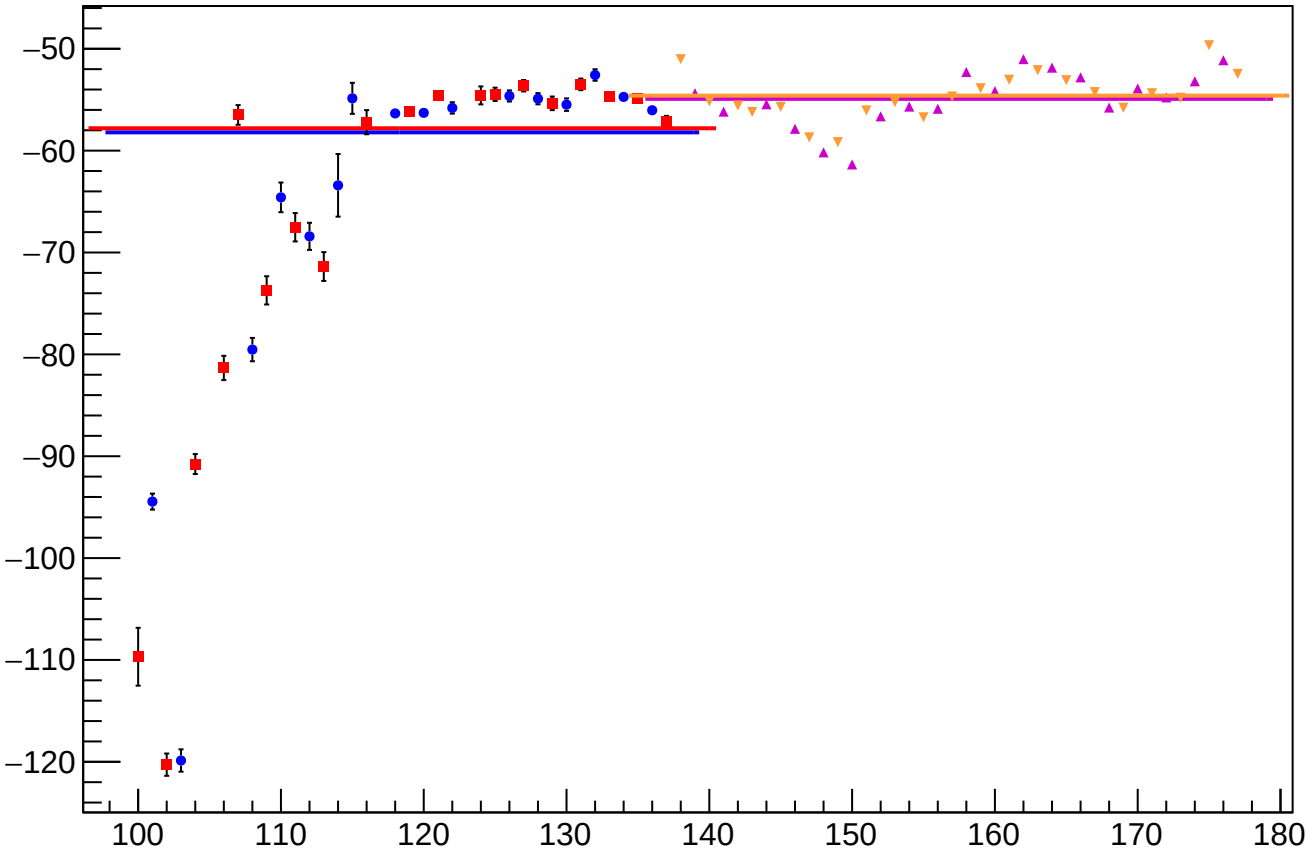
Left: -7.675+/-0.058 χ^2/NDF: 2248.8/39

Right: -3.371+/-0.097 χ^2/NDF: 678.4/34

In: -6.157+/-0.071 χ^2/NDF:2014.3/34

Out: -6.902+/-0.070 χ^2/NDF:2295.1/39

All: -6.535+/-0.050 χ^2/NDF: 4364.7/74



Right In: -58.204+/-0.136 χ^2/NDF: 6126.9/15

Left Out: -54.600+/-0.061 χ^2/NDF:1404.8/20

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

Left In: -54.917+/-0.065 χ^2/NDF:1914.2/18

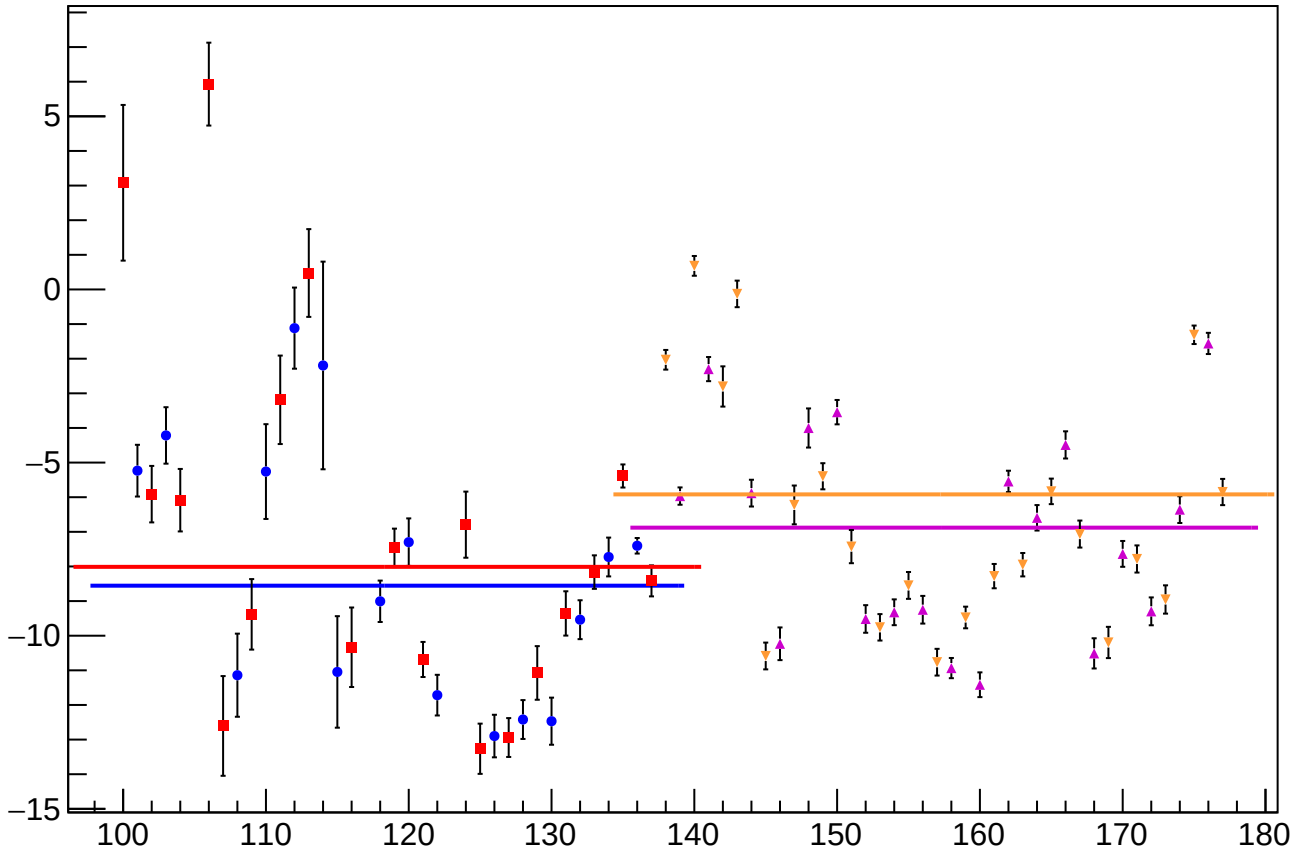
Left: -54.750+/-0.045 χ^2/NDF: 3331.7/39

Right: -58.008+/-0.097 χ^2/NDF: 11923.9/34

In: -55.529+/-0.058 χ^2/NDF:8519.6/34

Out: -55.126+/-0.056 χ^2/NDF:7644.9/39

All: -55.319+/-0.040 χ^2/NDF: 16189.2/74



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -5.919+/-0.080 χ^2/NDF:2125.7/20

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

Left In: -6.879+/-0.083 χ^2/NDF:1304.2/18

Left: -6.385+/-0.058 χ^2/NDF: 3499.5/39

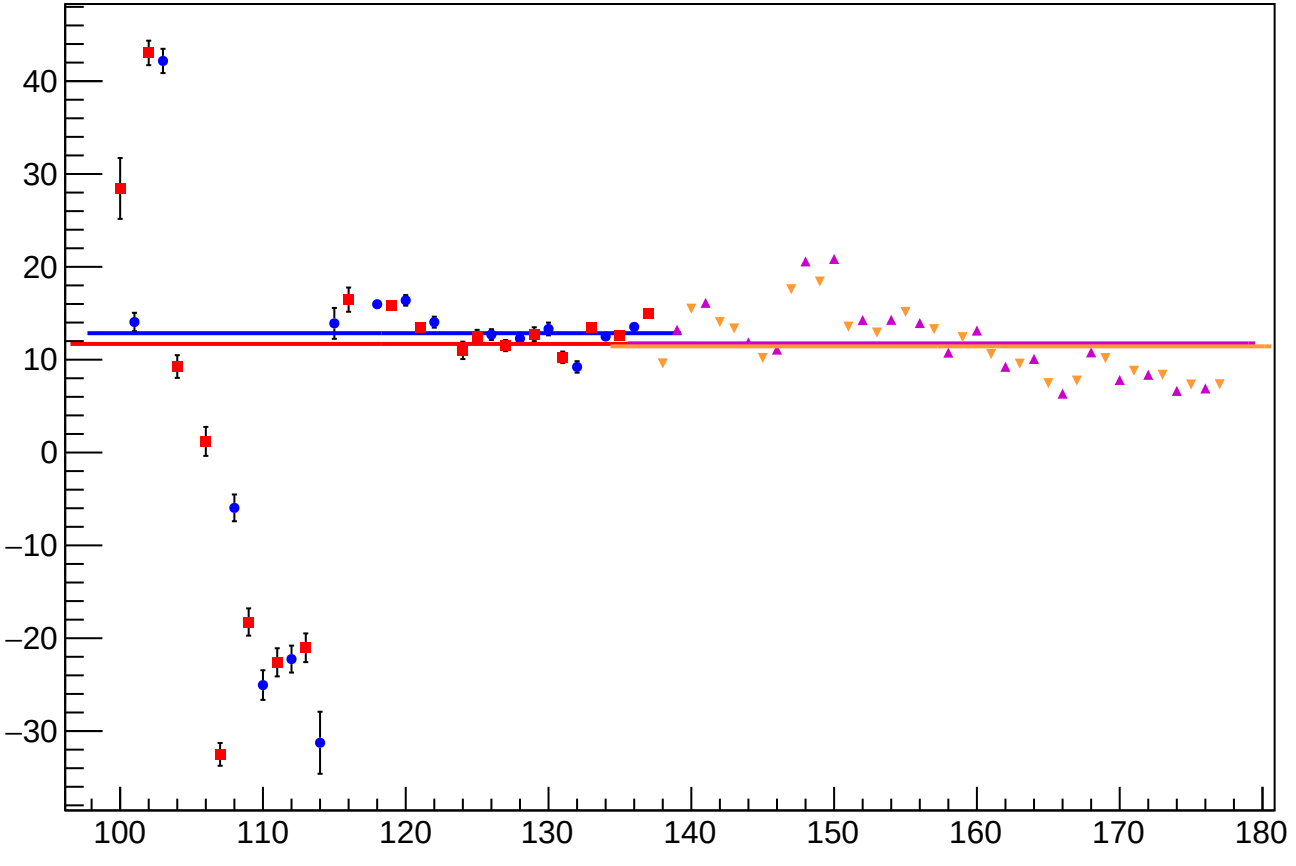
Right: -8.298+/-0.105 χ^2/NDF: 796.7/34

In: -7.292+/-0.072 χ^2/NDF:1706.0/34

Out: -6.370+/-0.071 χ^2/NDF:2761.9/39

All: -6.826+/-0.051 χ^2/NDF: 4551.2/74

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 11.436+/-0.069 χ^2/NDF:2200.7/20

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

Left In: 11.755+/-0.072 χ^2/NDF:3030.0/18

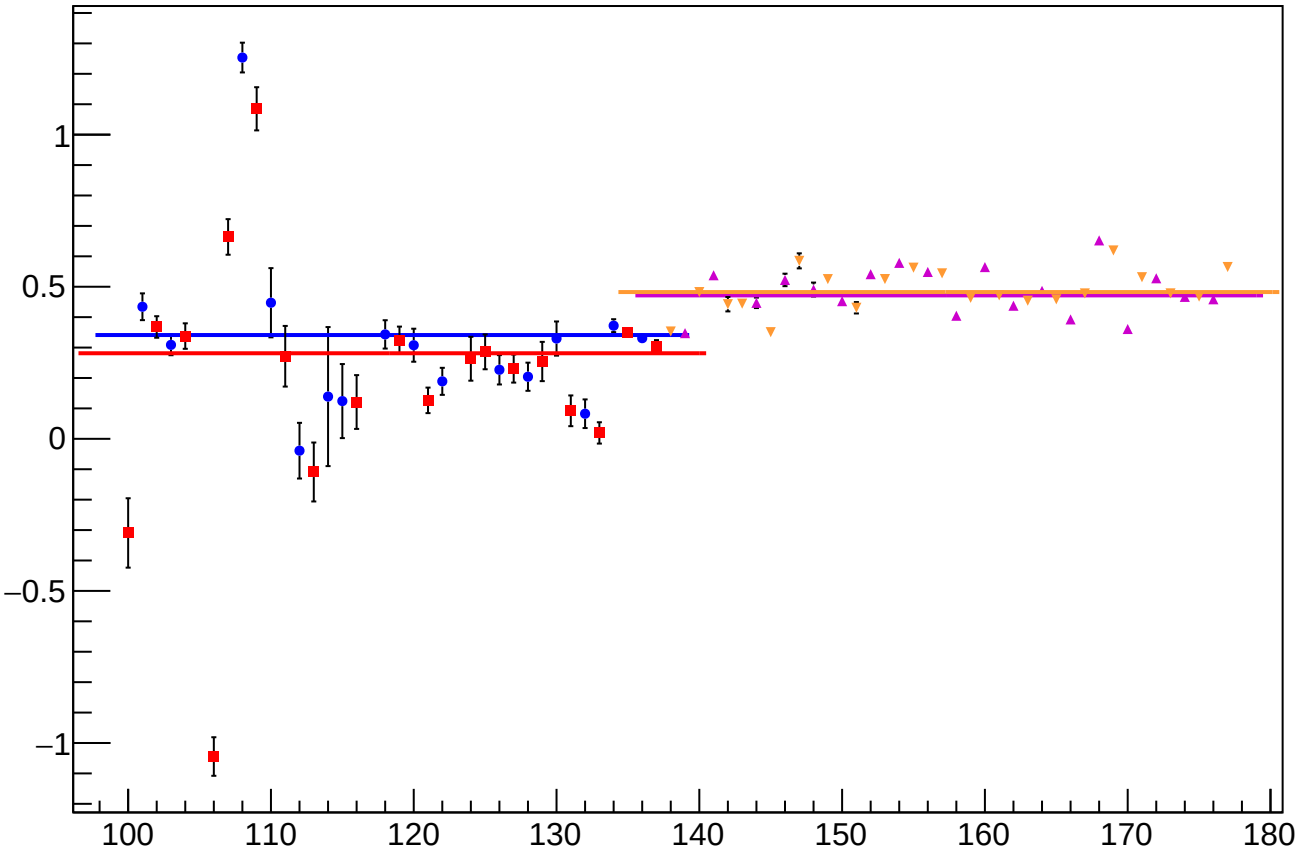
Left: 11.588+/-0.050 χ^2/NDF: 5241.0/39

Right: 12.294+/-0.108 χ^2/NDF: 5655.7/34

In: 11.961+/-0.065 χ^2/NDF:5201.8/34

Out: 11.479+/-0.063 χ^2/NDF:5701.9/39

All: 11.712+/-0.045 χ^2/NDF: 10932.0/74



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.483+/-0.003 χ^2/NDF:464.6/20

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

Left In: 0.472+/-0.003 χ^2/NDF:728.8/18

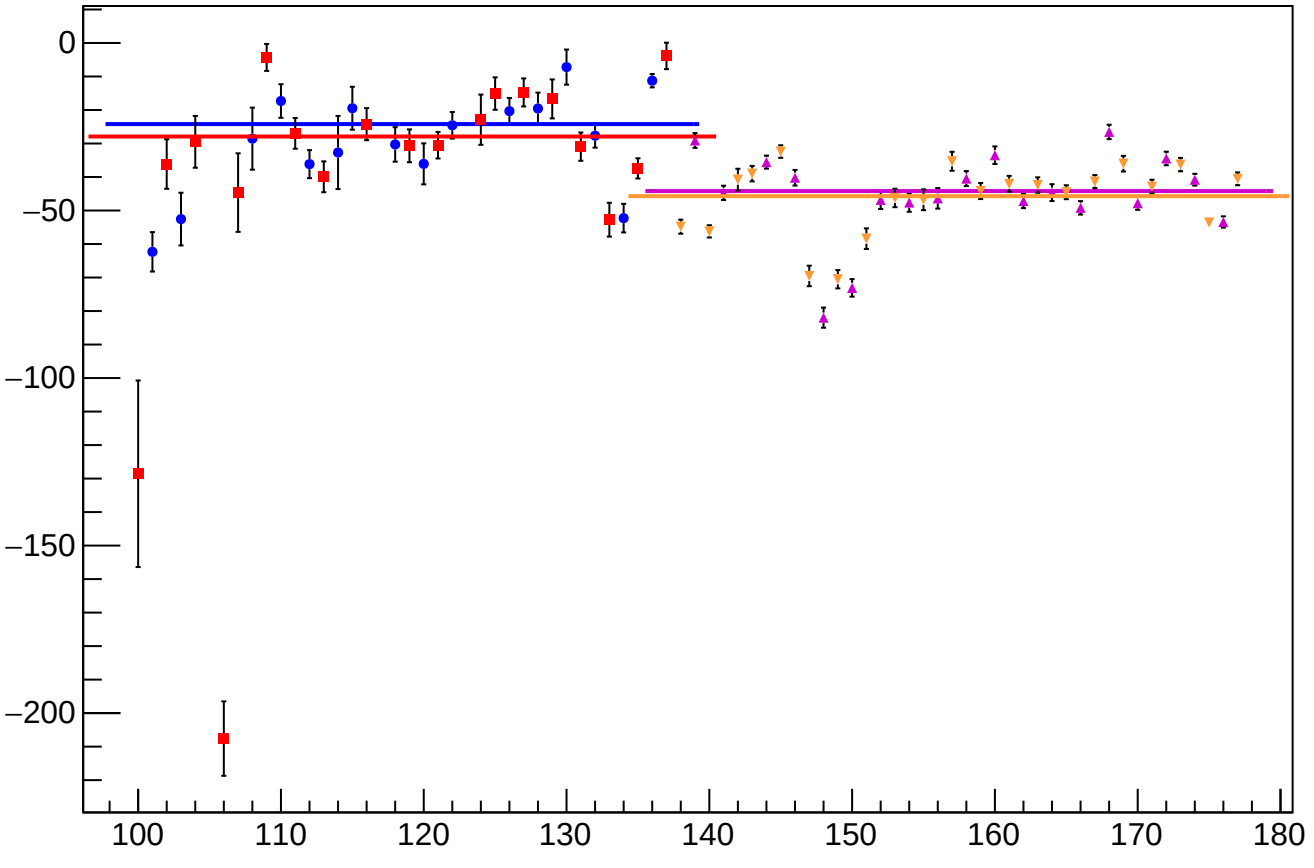
Left: 0.477+/-0.002 χ^2/NDF: 1200.0/39

Right: 0.313+/-0.006 χ^2/NDF: 1239.2/34

In: 0.455+/-0.003 χ^2/NDF:1401.9/34

Out: 0.460+/-0.003 χ^2/NDF:1742.5/39

All: 0.457+/-0.002 χ^2/NDF: 3146.1/74



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -45.712+/-0.487 χ^2/NDF:372.1/20

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

Left In: -44.192+/-0.509 χ^2/NDF:507.9/18

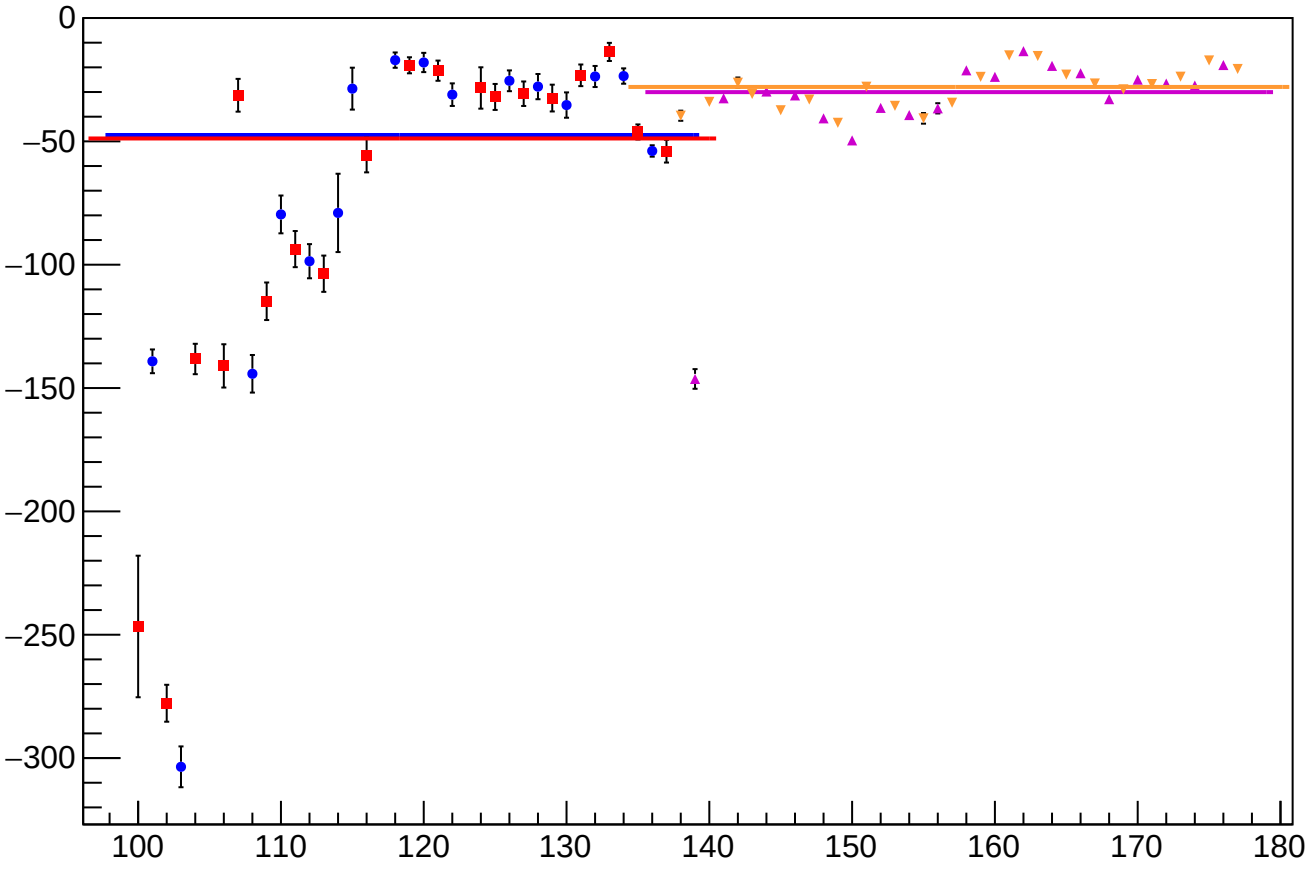
Left: -44.985+/-0.352 χ^2/NDF: 884.7/39

Right: -25.971+/-0.785 χ^2/NDF: 589.7/34

In: -40.600+/-0.461 χ^2/NDF:956.3/34

Out: -42.953+/-0.448 χ^2/NDF:992.8/39

All: -41.810+/-0.321 χ^2/NDF: 1962.5/74



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -27.943+/-0.360 χ^2/NDF:462.3/20

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

Left In: -30.043+/-0.378 χ^2/NDF:1360.9/18

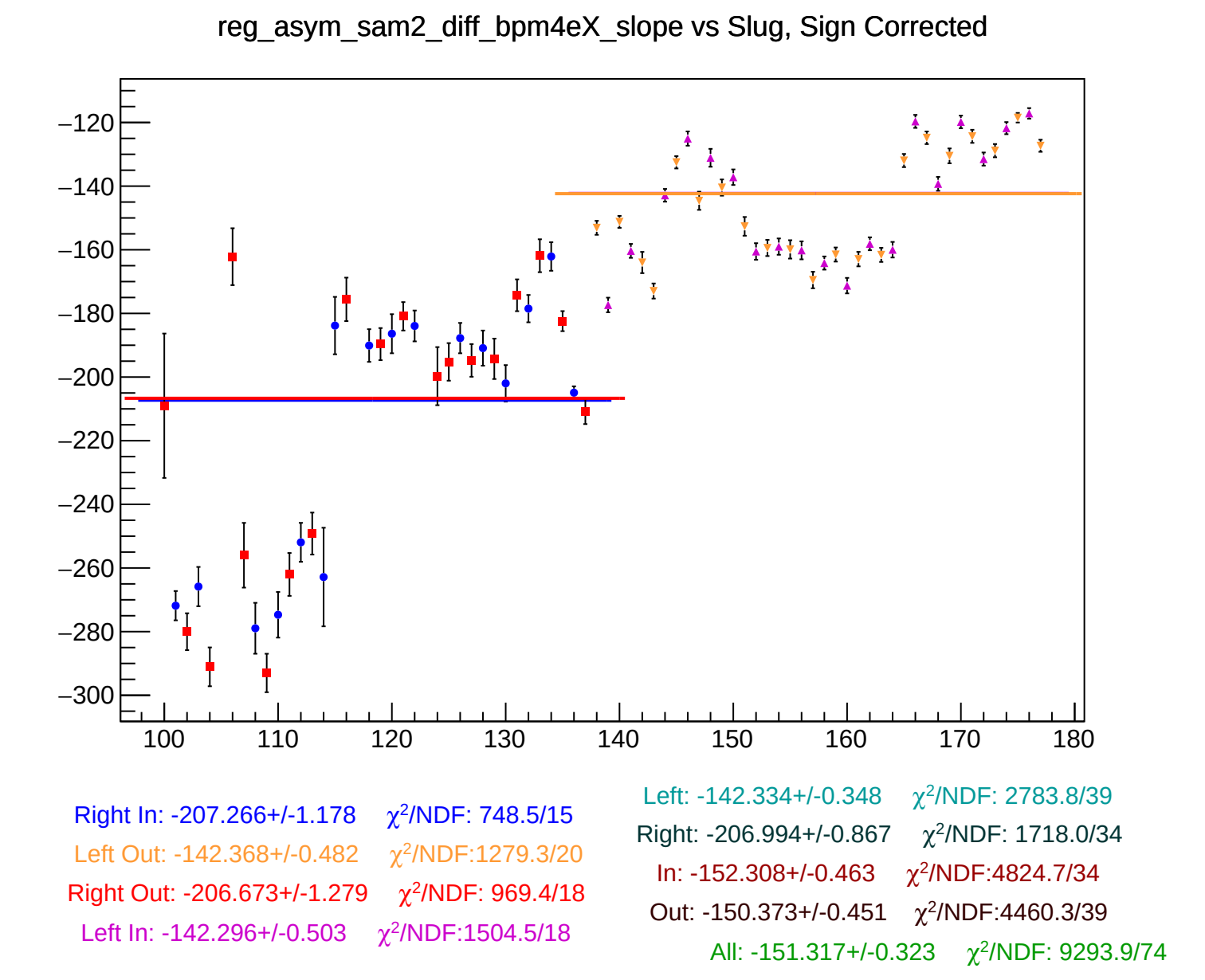
Left: -28.942+/-0.260 χ^2/NDF: 1839.4/39

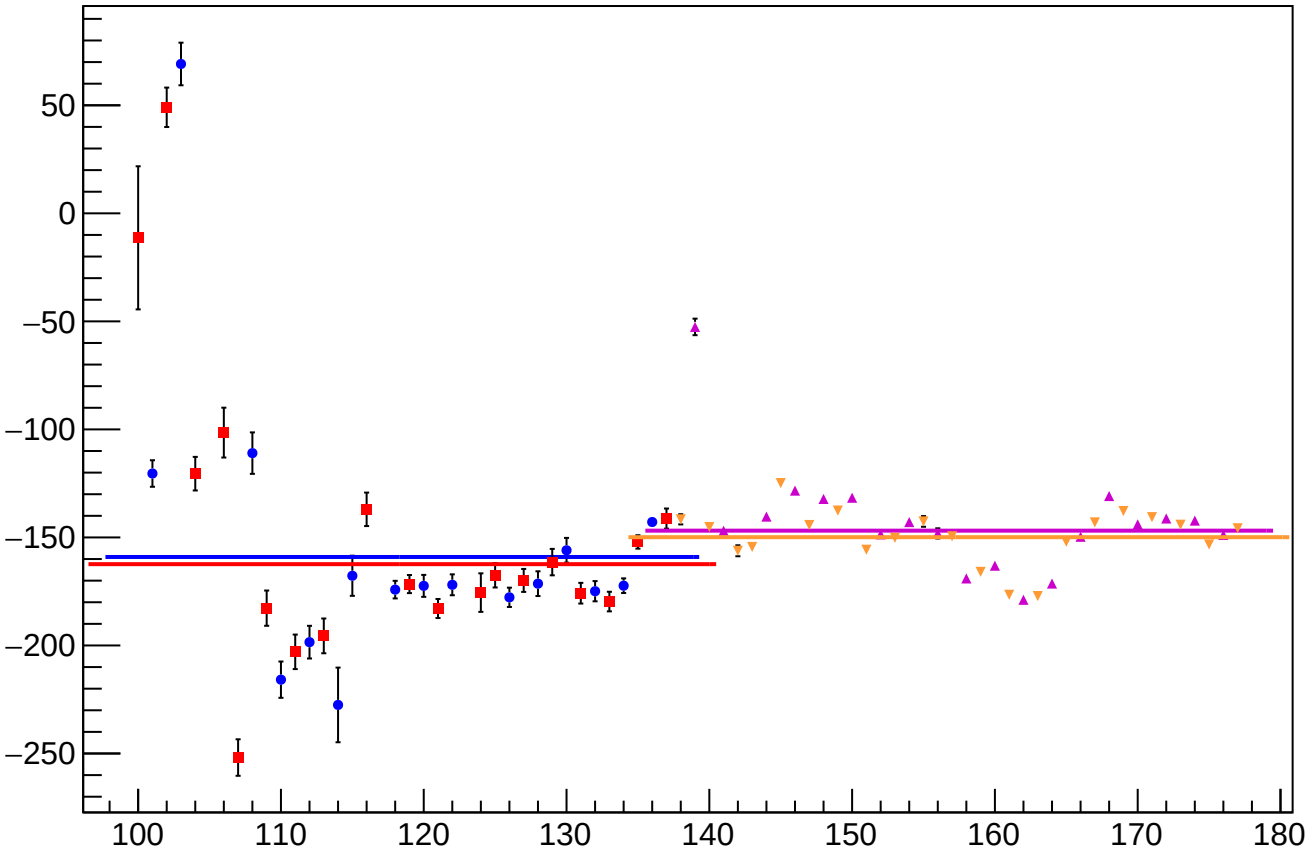
Right: -48.076+/-0.806 χ^2/NDF: 3648.9/34

In: -31.873+/-0.357 χ^2/NDF:3457.3/34

Out: -29.712+/-0.344 χ^2/NDF:2522.6/39

All: -30.752+/-0.248 χ^2/NDF: 5998.9/74


reg_asym_sam2_diff_bpm4eX_slope vs Slug, Sign Corrected
−120
−140
−160
−180
−200
−220
−240
−260
−280
−300
100
110
120
130
140
150
160
170
180
Right In: -207.266+/-1.178 χ²/NDF: 748.5/15
Left Out: -142.368+/-0.482 χ²/NDF:1279.3/20
Right Out: -206.673+/-1.279 χ²/NDF: 969.4/18
Left In: -142.296+/-0.503 χ²/NDF:1504.5/18
Left: -142.334+/-0.348 χ²/NDF: 2783.8/39
Right: -206.994+/-0.867 χ²/NDF: 1718.0/34
In: -152.308+/-0.463 χ²/NDF:4824.7/34
Out: -150.373+/-0.451 χ²/NDF:4460.3/39
All: -151.317+/-0.323 χ²/NDF: 9293.9/74



Right In: -159.048+/-1.225 χ^2/NDF: 815.8/15

Left Out: -149.891+/-0.406 χ^2/NDF:994.1/20

Right Out: -162.370+/-1.324 χ^2/NDF: 872.6/18

Left In: -146.865+/-0.426 χ^2/NDF:1711.9/18

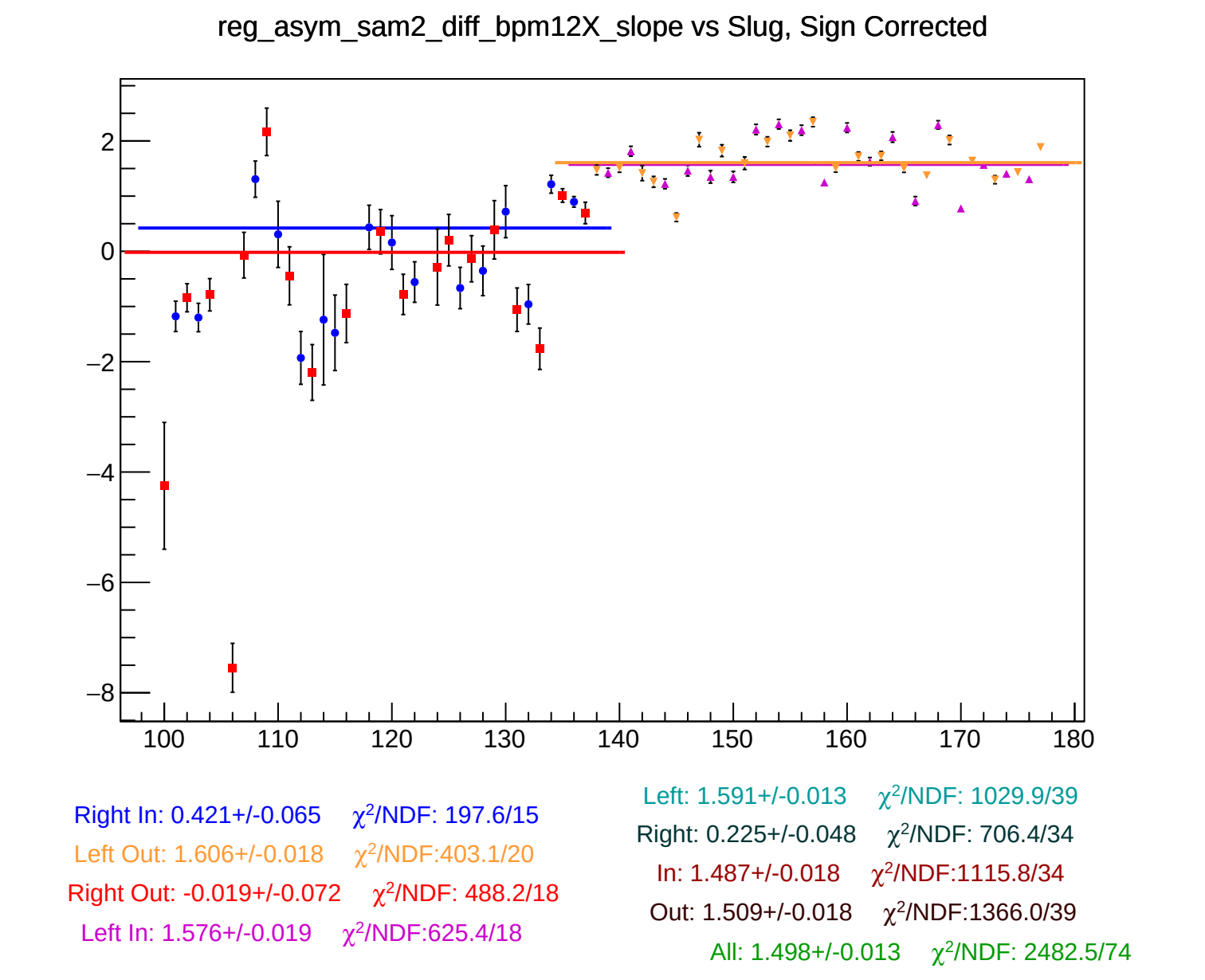
Left: -148.450+/-0.294 χ^2/NDF: 2732.5/39

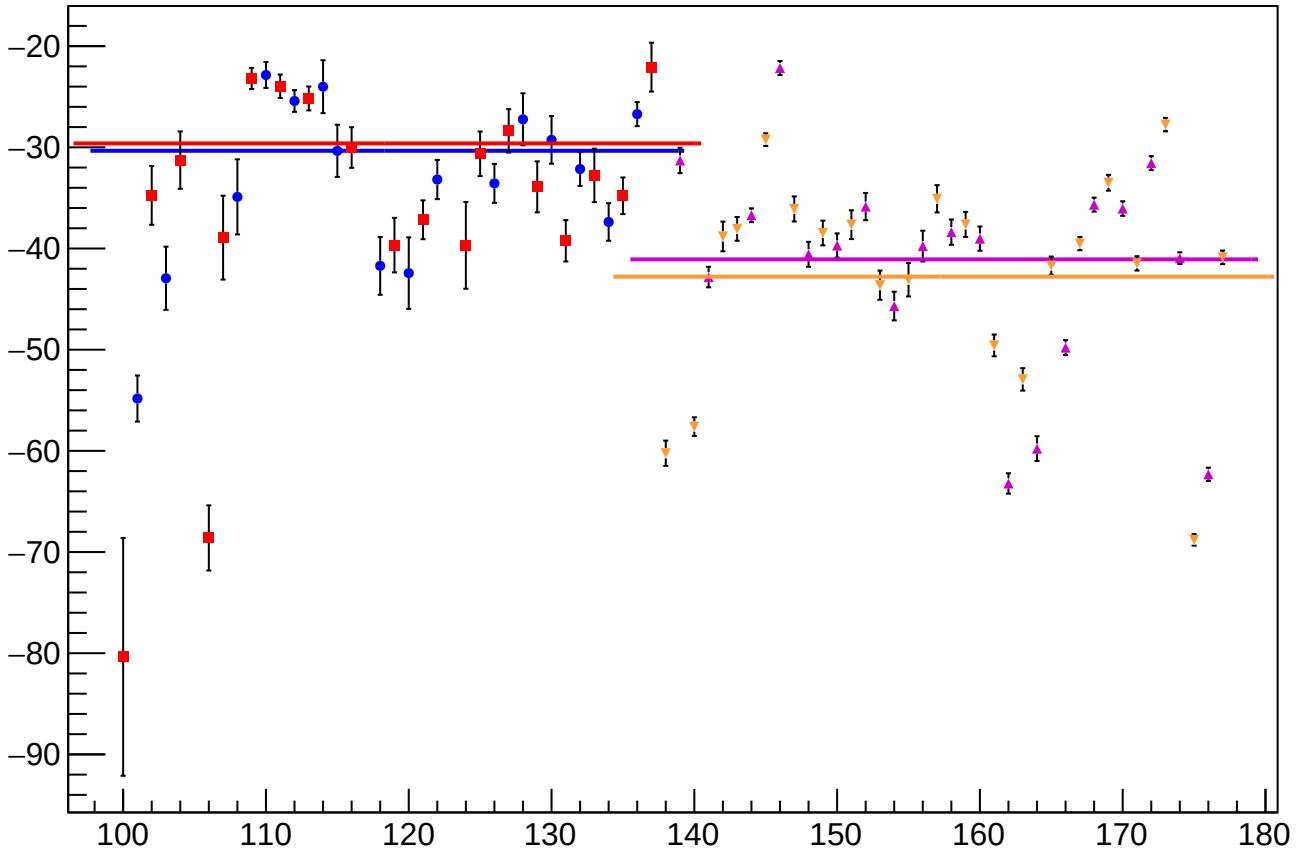
Right: -160.581+/-0.899 χ^2/NDF: 1691.7/34

In: -148.177+/-0.402 χ^2/NDF:2615.9/34

Out: -150.963+/-0.388 χ^2/NDF:1947.9/39

All: -149.619+/-0.279 χ^2/NDF: 4588.6/74


reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected
2
0
−2
−4
−6
−8
100
110
120
130
140
150
160
170
180
Right In: 0.421+/-0.065 χ²/NDF: 197.6/15
Left Out: 1.606+/-0.018 χ²/NDF:403.1/20
Right Out: -0.019+/-0.072 χ²/NDF: 488.2/18
Left In: 1.576+/-0.019 χ²/NDF:625.4/18
Left: 1.591+/-0.013 χ²/NDF: 1029.9/39
Right: 0.225+/-0.048 χ²/NDF: 706.4/34
In: 1.487+/-0.018 χ²/NDF:1115.8/34
Out: 1.509+/-0.018 χ²/NDF:1366.0/39
All: 1.498+/-0.013 χ²/NDF: 2482.5/74



Right In: -30.341+/-0.468 χ^2/NDF: 253.6/15

Left Out: -42.781+/-0.197 χ^2/NDF:3895.4/20

Right Out: -29.613+/-0.450 χ^2/NDF: 329.2/18

Left In: -41.074+/-0.200 χ^2/NDF:3101.6/18

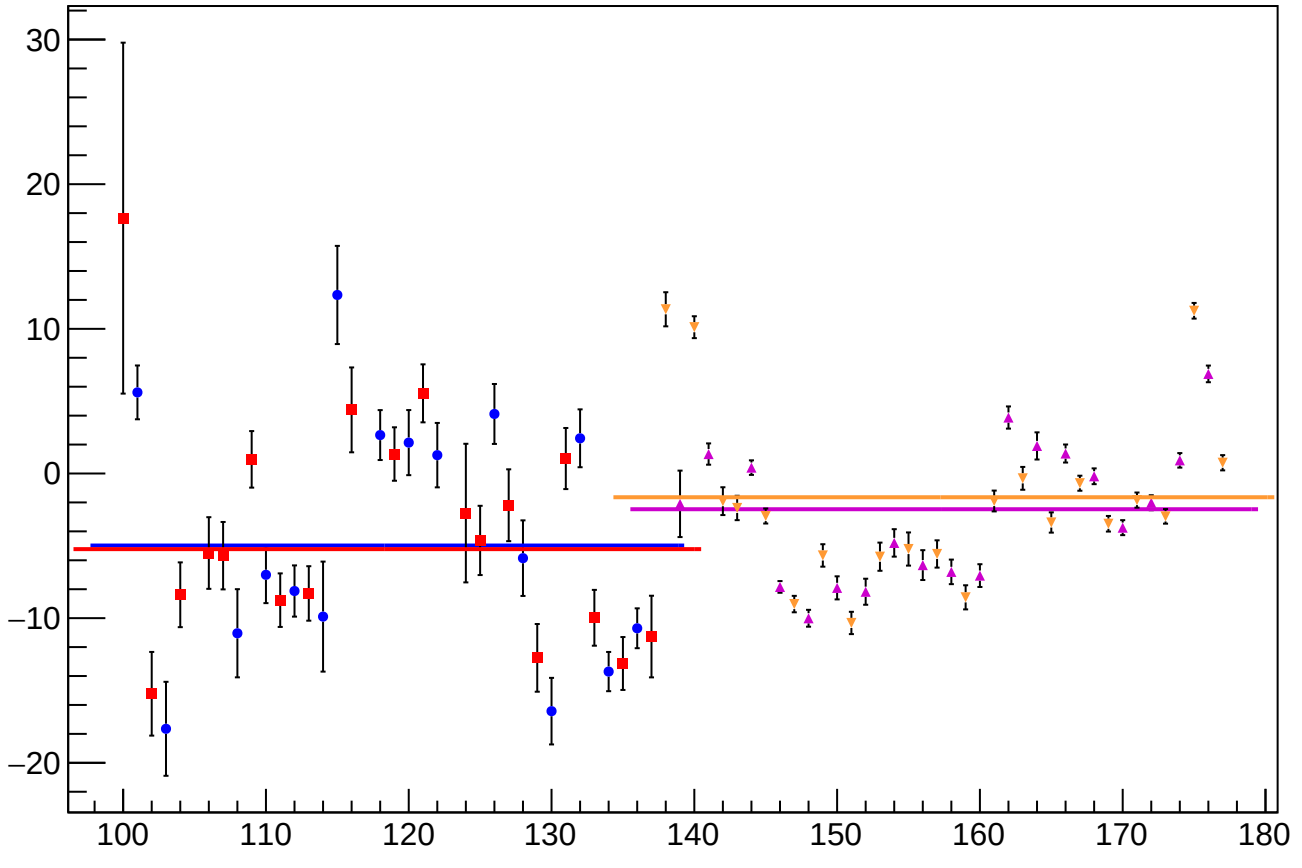
Left: -41.941+/-0.140 χ^2/NDF: 7033.9/39

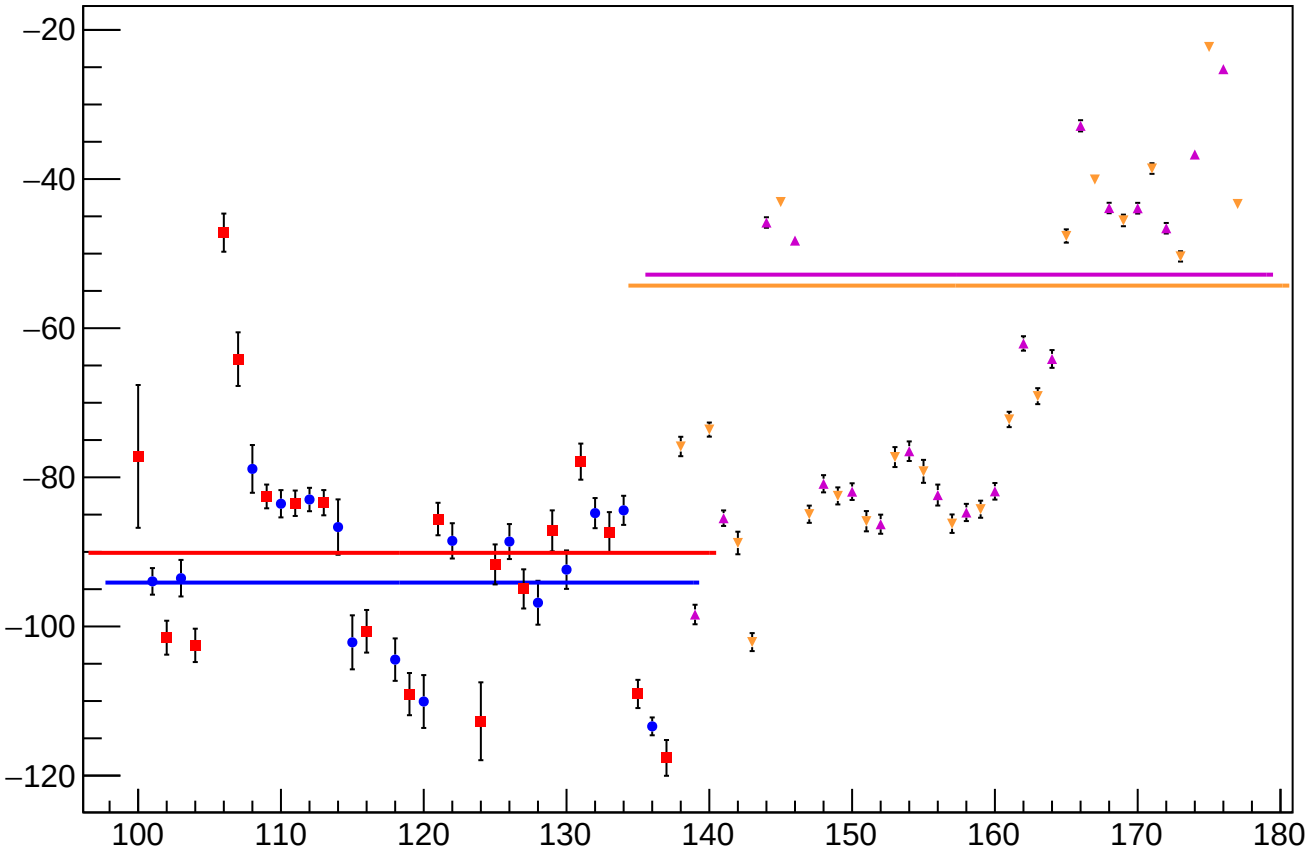
Right: -29.963+/-0.324 χ^2/NDF: 584.0/34

In: -39.414+/-0.184 χ^2/NDF:3800.1/34

Out: -40.666+/-0.181 χ^2/NDF:4941.9/39

All: -40.052+/-0.129 χ^2/NDF: 8765.6/74


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: -1.642+/-0.146 χ²/NDF:1423.8/20
Right Out: -5.228+/-0.524 χ²/NDF: 136.5/18
Left In: -2.470+/-0.147 χ²/NDF:1030.9/18
Left: -2.053+/-0.104 χ²/NDF: 2470.6/39
Right: -5.100+/-0.365 χ²/NDF: 373.9/34
In: -2.664+/-0.142 χ²/NDF:1290.6/34
Out: -1.901+/-0.141 χ²/NDF:1603.8/39
All: -2.280+/-0.100 χ²/NDF: 2909.0/74



Right In: -94.115+/-0.537 χ^2/NDF: 466.8/15

Left Out: -54.288+/-0.196 χ^2/NDF:11825.8/20

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

Left In: -52.820+/-0.200 χ^2/NDF:10277.3/18

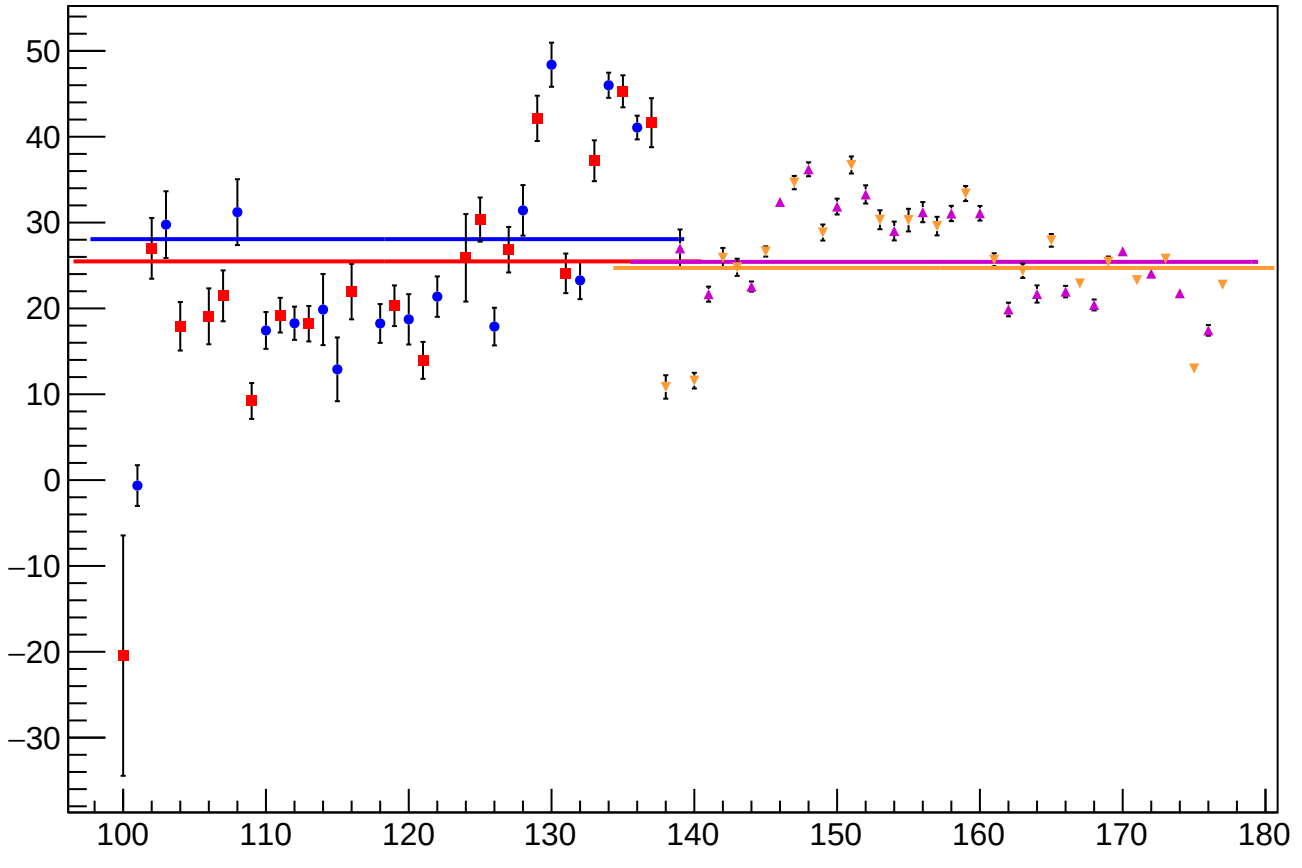
Left: -53.566+/-0.140 χ^2/NDF: 22130.6/39

Right: -92.143+/-0.382 χ^2/NDF: 1283.5/34

In: -57.839+/-0.187 χ^2/NDF:15938.4/34

Out: -58.436+/-0.185 χ^2/NDF:16468.0/39

All: -58.142+/-0.131 χ^2/NDF: 32411.5/74



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 24.714+/-0.164 χ^2/NDF:1292.1/20

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

Left In: 25.423+/-0.167 χ^2/NDF:1005.2/18

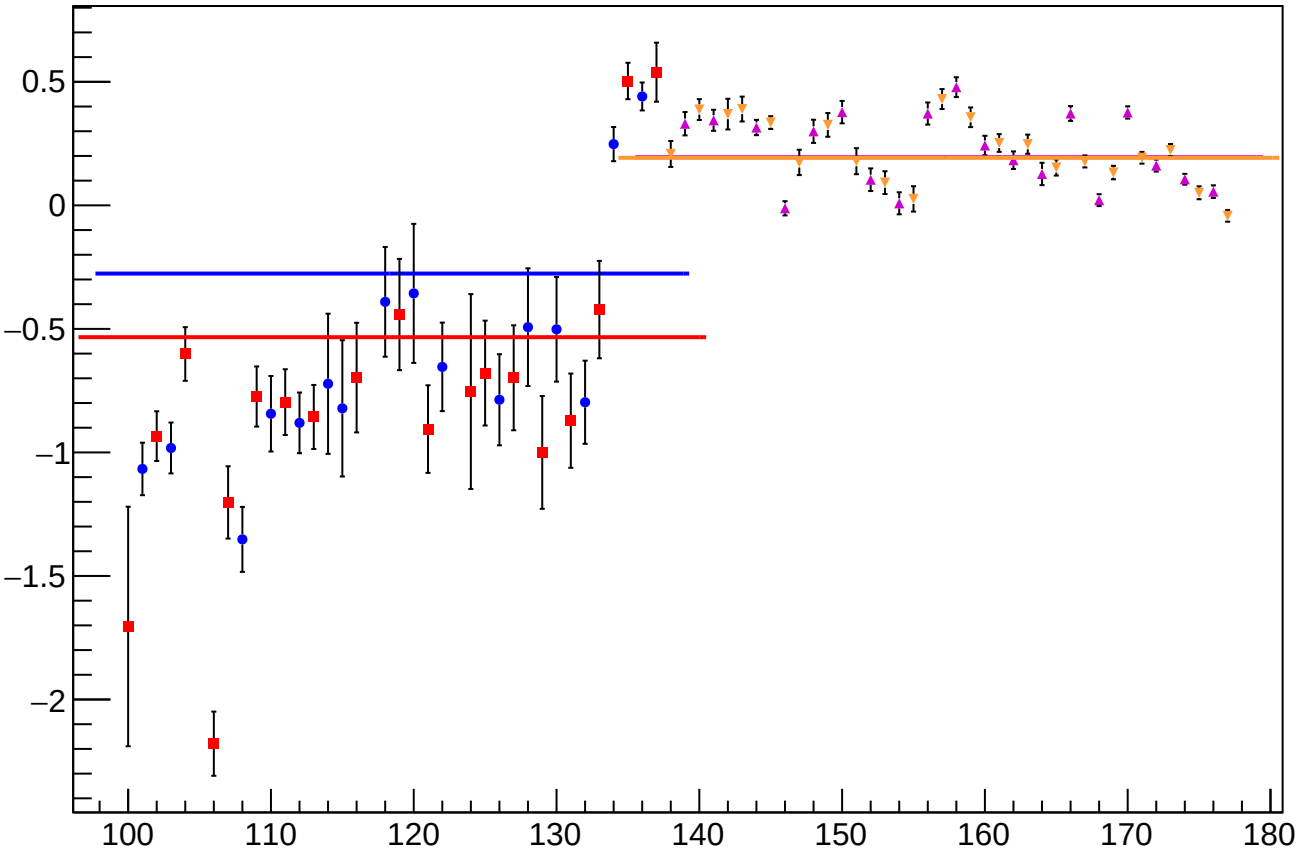
Left: 25.062+/-0.117 χ^2/NDF: 2306.5/39

Right: 26.821+/-0.410 χ^2/NDF: 947.7/34

In: 25.634+/-0.161 χ^2/NDF:1608.2/34

Out: 24.769+/-0.158 χ^2/NDF:1648.3/39

All: 25.196+/-0.113 χ^2/NDF: 3271.3/74



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.192+/-0.007 χ^2/NDF:292.9/20

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

Left In: 0.195+/-0.007 χ^2/NDF:387.2/18

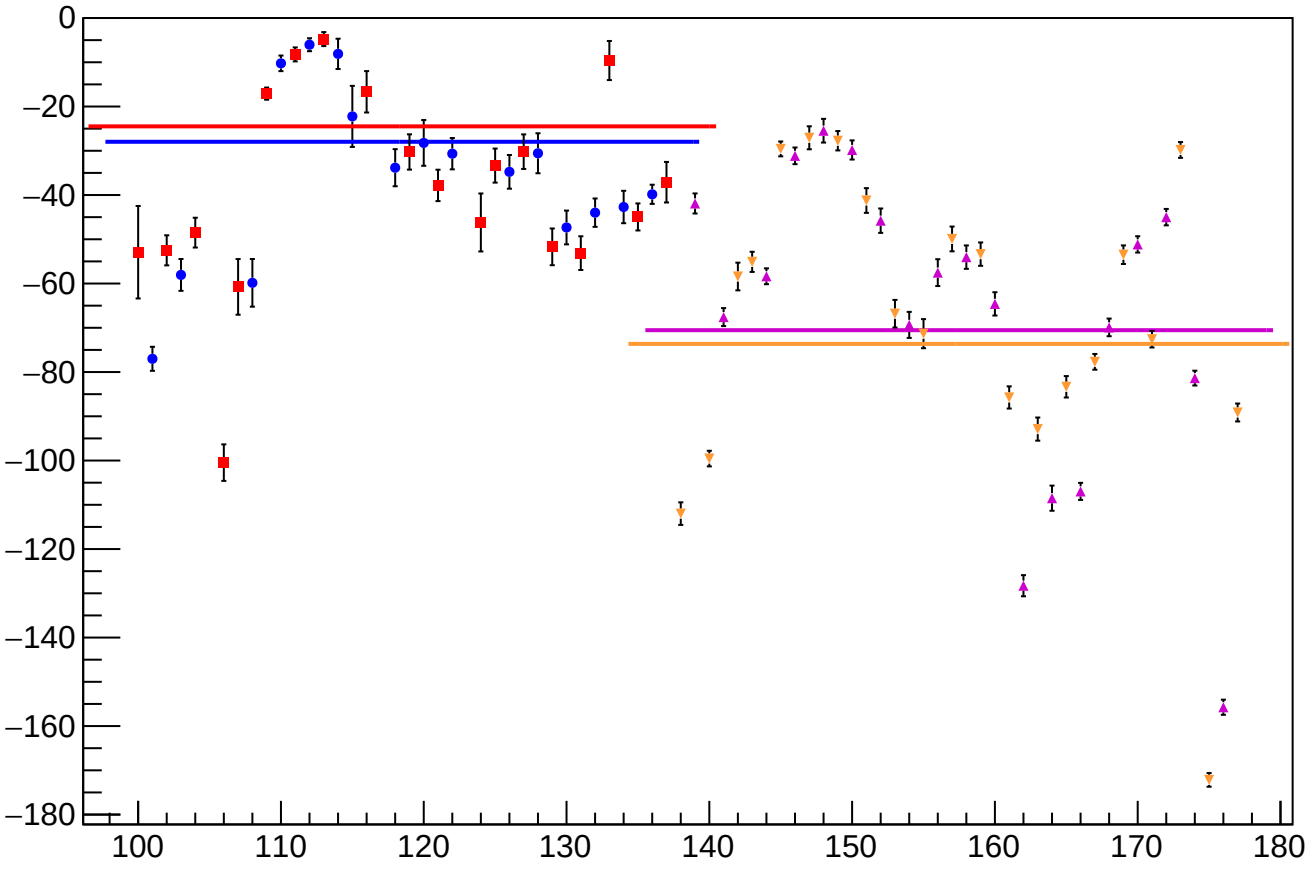
Left: 0.194+/-0.005 χ^2/NDF: 680.1/39

Right: -0.396+/-0.022 χ^2/NDF: 998.8/34

In: 0.169+/-0.007 χ^2/NDF:1065.9/34

Out: 0.158+/-0.007 χ^2/NDF:1268.3/39

All: 0.163+/-0.005 χ^2/NDF: 2335.3/74



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -73.637+/-0.479 χ^2/NDF:7168.8/20

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

Left In: -70.541+/-0.492 χ^2/NDF:5366.2/18

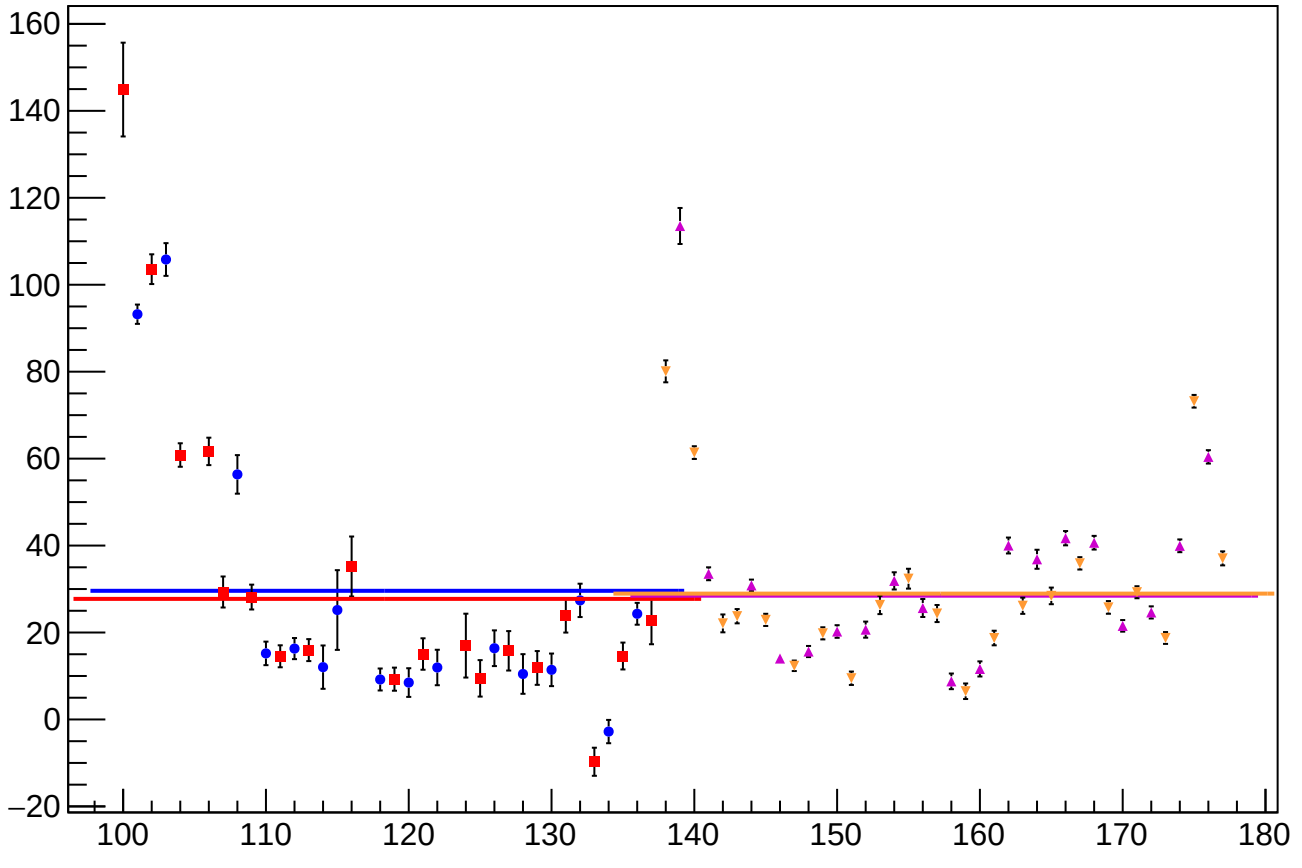
Left: -72.131+/-0.343 χ^2/NDF: 12555.3/39

Right: -26.064+/-0.490 χ^2/NDF: 1896.8/34

In: -57.178+/-0.408 χ^2/NDF:8610.0/34

Out: -56.781+/-0.388 χ^2/NDF:11771.2/39

All: -56.969+/-0.281 χ^2/NDF: 20381.7/74



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 28.947+/-0.350 χ^2/NDF:2565.1/20

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

Left In: 28.473+/-0.363 χ^2/NDF:1668.7/18

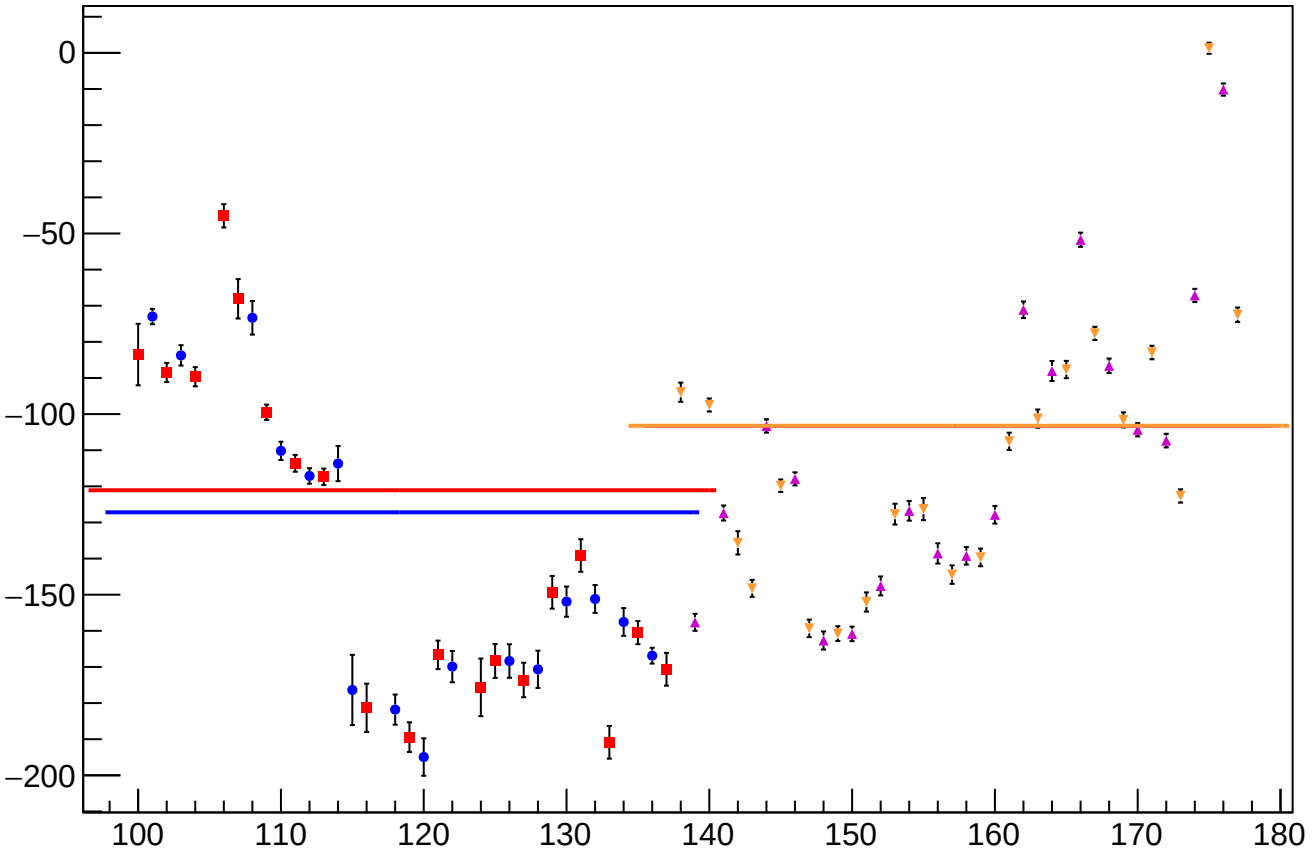
Left: 28.718+/-0.252 χ^2/NDF: 4234.7/39

Right: 28.653+/-0.567 χ^2/NDF: 2853.5/34

In: 28.661+/-0.331 χ^2/NDF:3336.0/34

Out: 28.751+/-0.321 χ^2/NDF:3752.2/39

All: 28.707+/-0.230 χ^2/NDF: 7088.2/74



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -103.235+/-0.475 χ^2/NDF:8142.4/20

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

Left In: -103.294+/-0.488 χ^2/NDF:7359.8/18

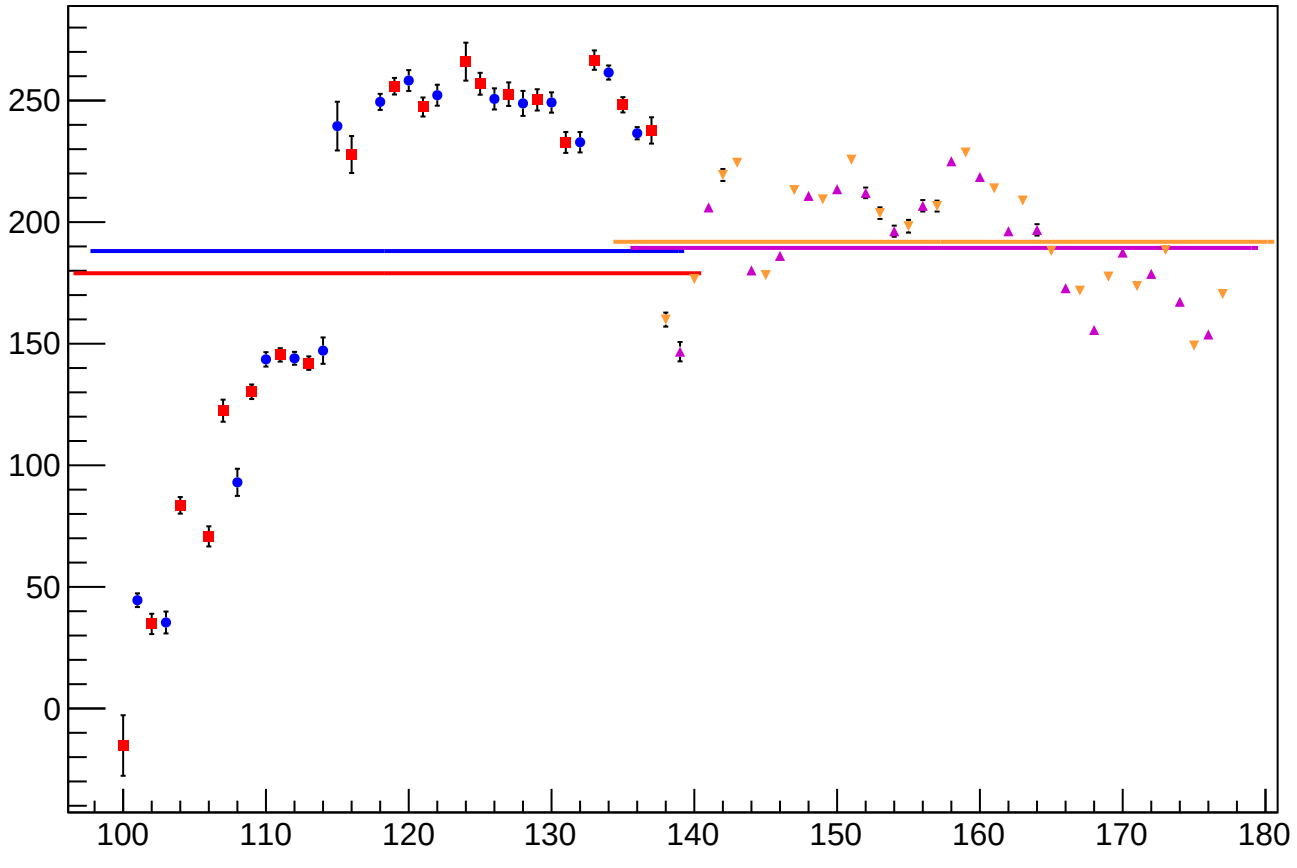
Left: -103.264+/-0.340 χ^2/NDF: 15502.1/39

Right: -124.019+/-0.575 χ^2/NDF: 4603.6/34

In: -109.434+/-0.420 χ^2/NDF:10154.8/34

Out: -107.906+/-0.408 χ^2/NDF:10909.4/39

All: -108.647+/-0.293 χ^2/NDF: 21071.0/74



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 191.913+/-0.398 χ^2/NDF:3250.6/20

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

Left In: 189.396+/-0.412 χ^2/NDF:2537.3/18

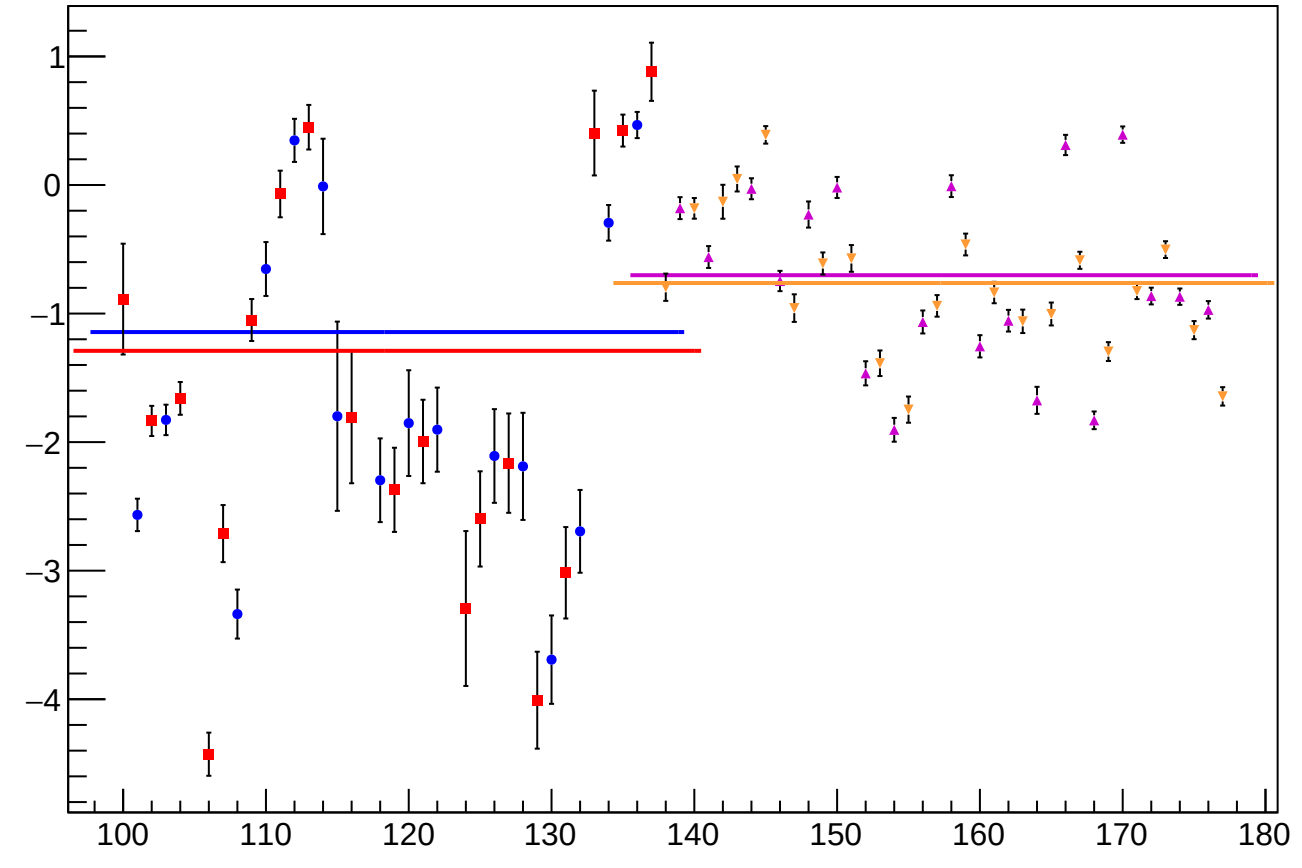
Left: 190.698+/-0.286 χ^2/NDF: 5807.1/39

Right: 183.489+/-0.646 χ^2/NDF: 13837.5/34

In: 189.180+/-0.376 χ^2/NDF:9657.6/34

Out: 189.826+/-0.365 χ^2/NDF:10089.7/39

All: 189.513+/-0.262 χ^2/NDF: 19748.8/74



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.763+/-0.018 χ^2/NDF:864.3/20

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

Left In: -0.702+/-0.018 χ^2/NDF:1419.6/18

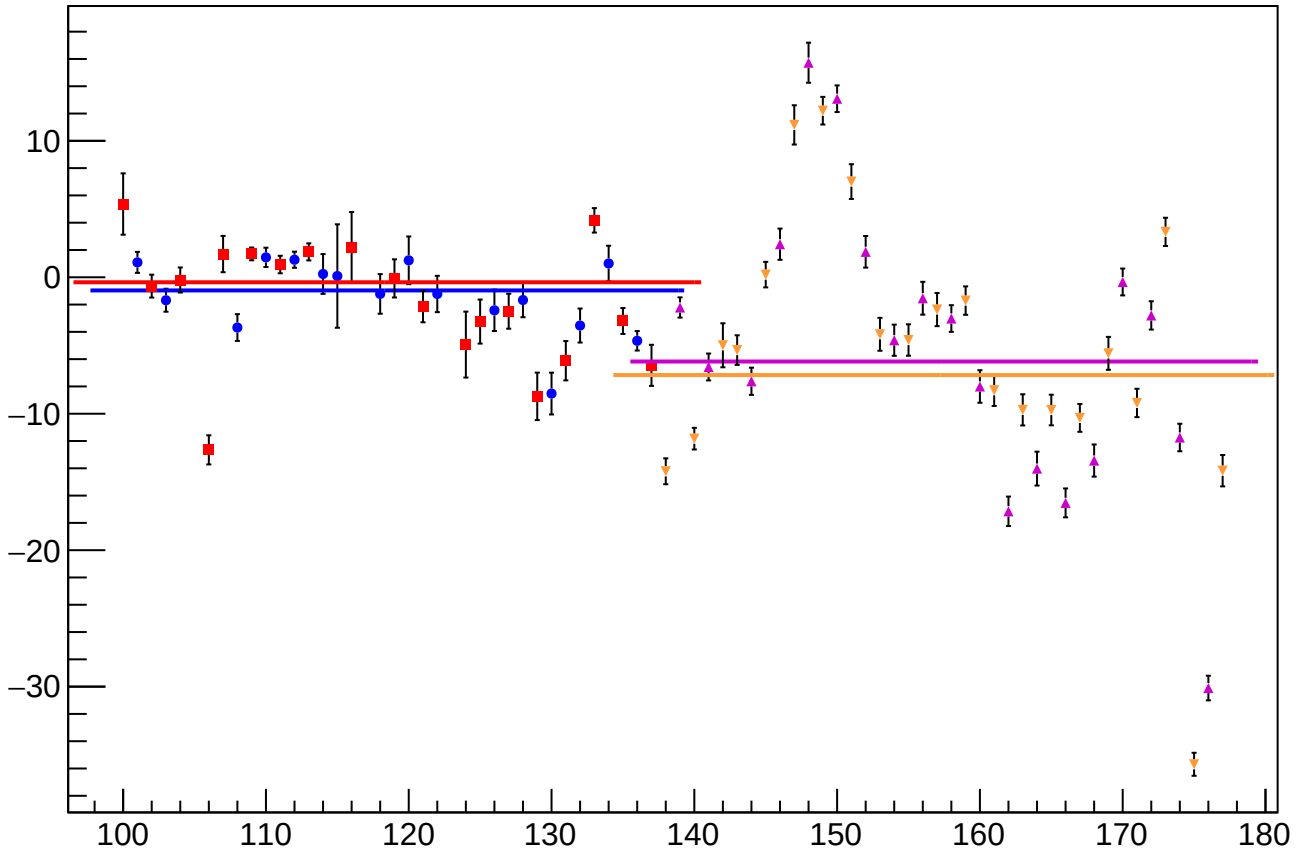
Left: -0.733+/-0.013 χ^2/NDF: 2289.6/39

Right: -1.218+/-0.034 χ^2/NDF: 1790.3/34

In: -0.757+/-0.017 χ^2/NDF:2281.2/34

Out: -0.828+/-0.017 χ^2/NDF:1970.7/39

All: -0.793+/-0.012 χ^2/NDF: 4260.7/74



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -7.165+/-0.235 χ^2/NDF:2173.2/20

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

Left In: -6.173+/-0.240 χ^2/NDF:1831.6/18

Left: -6.681+/-0.168 χ^2/NDF: 4013.5/39

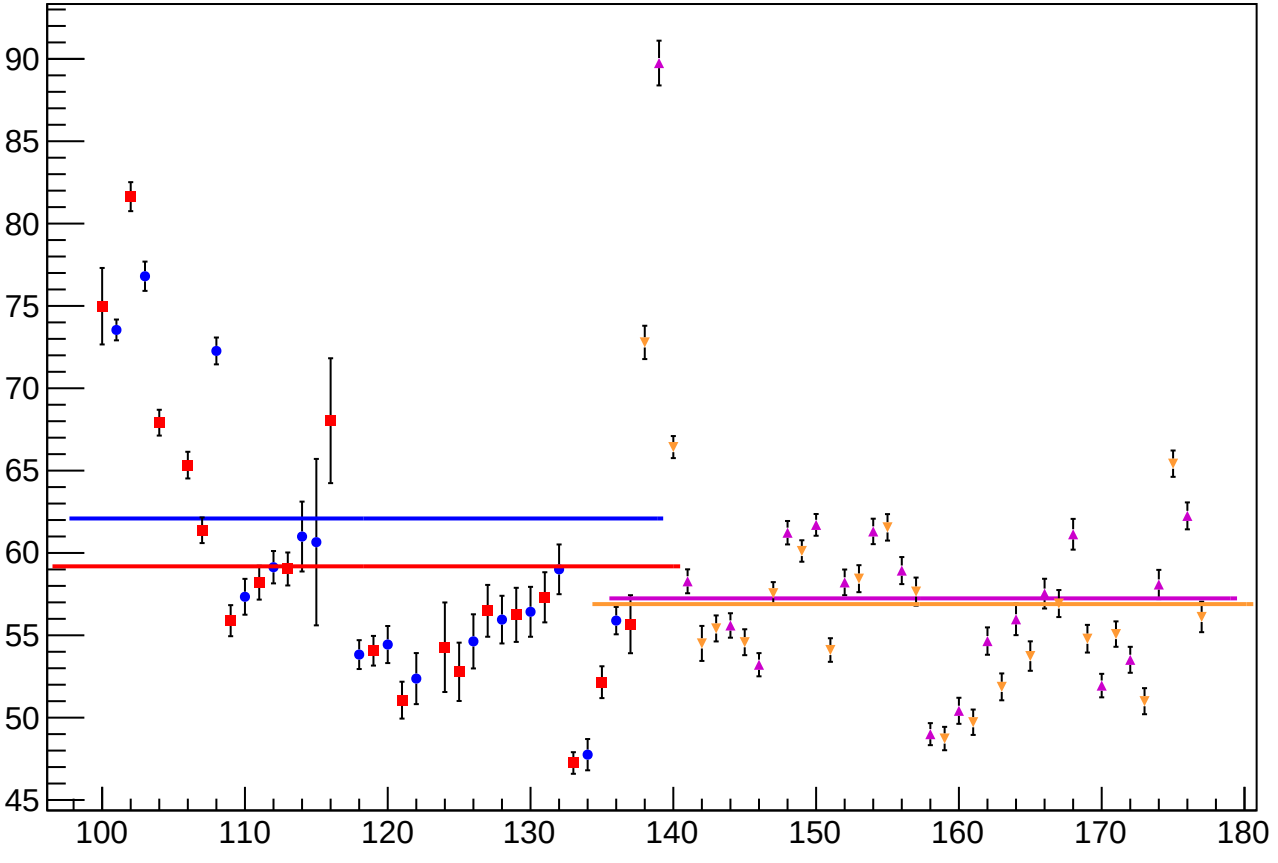
Right: -0.628+/-0.168 χ^2/NDF: 386.9/34

In: -3.709+/-0.174 χ^2/NDF:2157.8/34

Out: -3.605+/-0.162 χ^2/NDF:2893.9/39

All: -3.653+/-0.119 χ^2/NDF: 5051.9/74

reg_asym_sam5_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 56.895+/-0.173 χ^2/NDF:996.2/20

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

Left In: 57.242+/-0.181 χ^2/NDF:1093.5/18

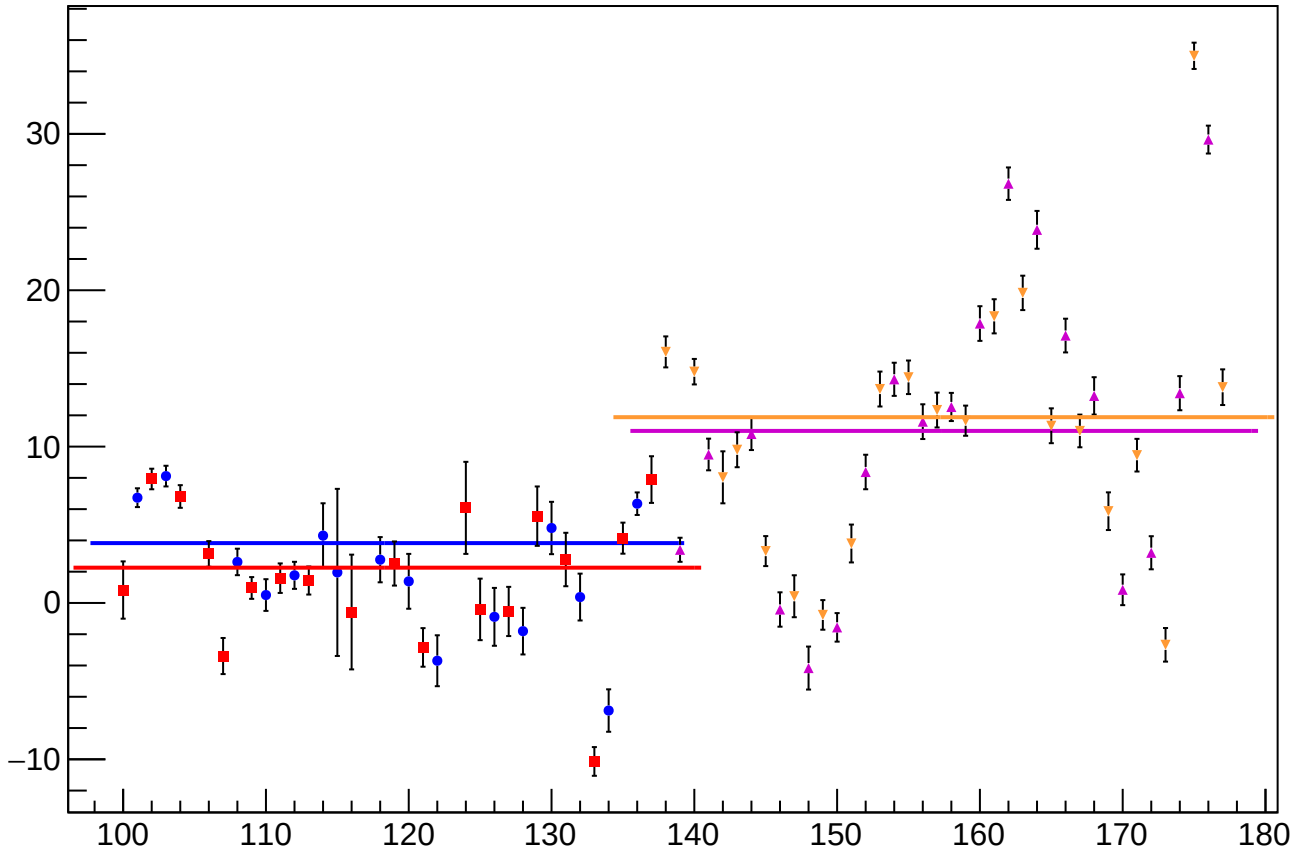
Left: 57.060+/-0.125 χ^2/NDF: 2091.6/39

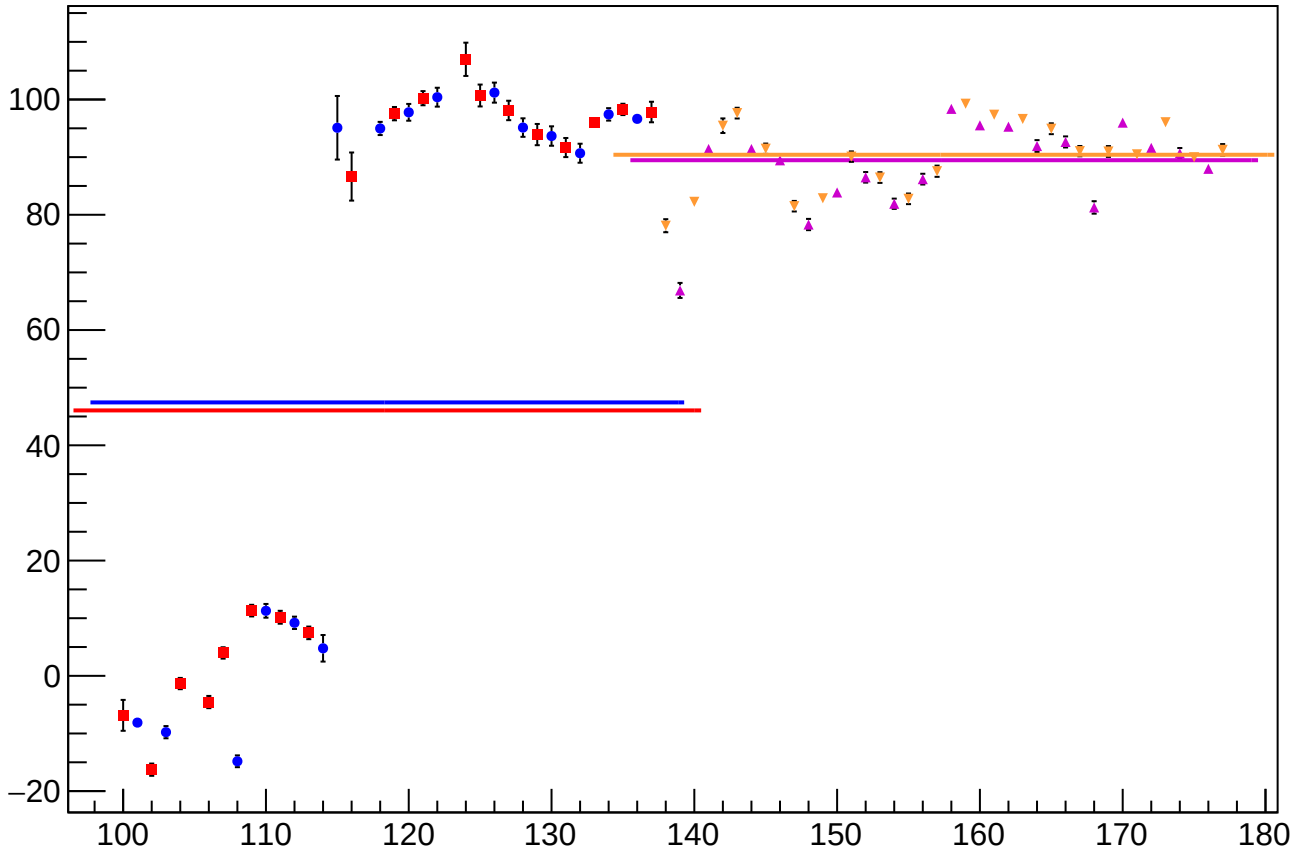
Right: 60.518+/-0.180 χ^2/NDF: 2768.4/34

In: 58.787+/-0.150 χ^2/NDF:2622.6/34

Out: 57.660+/-0.141 χ^2/NDF:2457.2/39

All: 58.189+/-0.103 χ^2/NDF: 5109.8/74


reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected
30
20
10
0
−10
100
110
120
130
140
150
160
170
180
Right In: 3.828+/-0.265 χ²/NDF: 208.6/15
Left Out: 11.882+/-0.231 χ²/NDF:1483.9/20
Right Out: 2.257+/-0.246 χ²/NDF: 371.9/18
Left In: 11.004+/-0.236 χ²/NDF:1559.0/18
Left: 11.452+/-0.165 χ²/NDF: 3049.9/39
Right: 2.985+/-0.181 χ²/NDF: 599.4/34
In: 7.831+/-0.176 χ²/NDF:2175.8/34
Out: 7.377+/-0.169 χ²/NDF:2667.2/39
All: 7.594+/-0.122 χ²/NDF: 4846.4/74



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 90.412+/-0.196 χ^2/NDF:918.3/20

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

Left In: 89.465+/-0.204 χ^2/NDF:1001.2/18

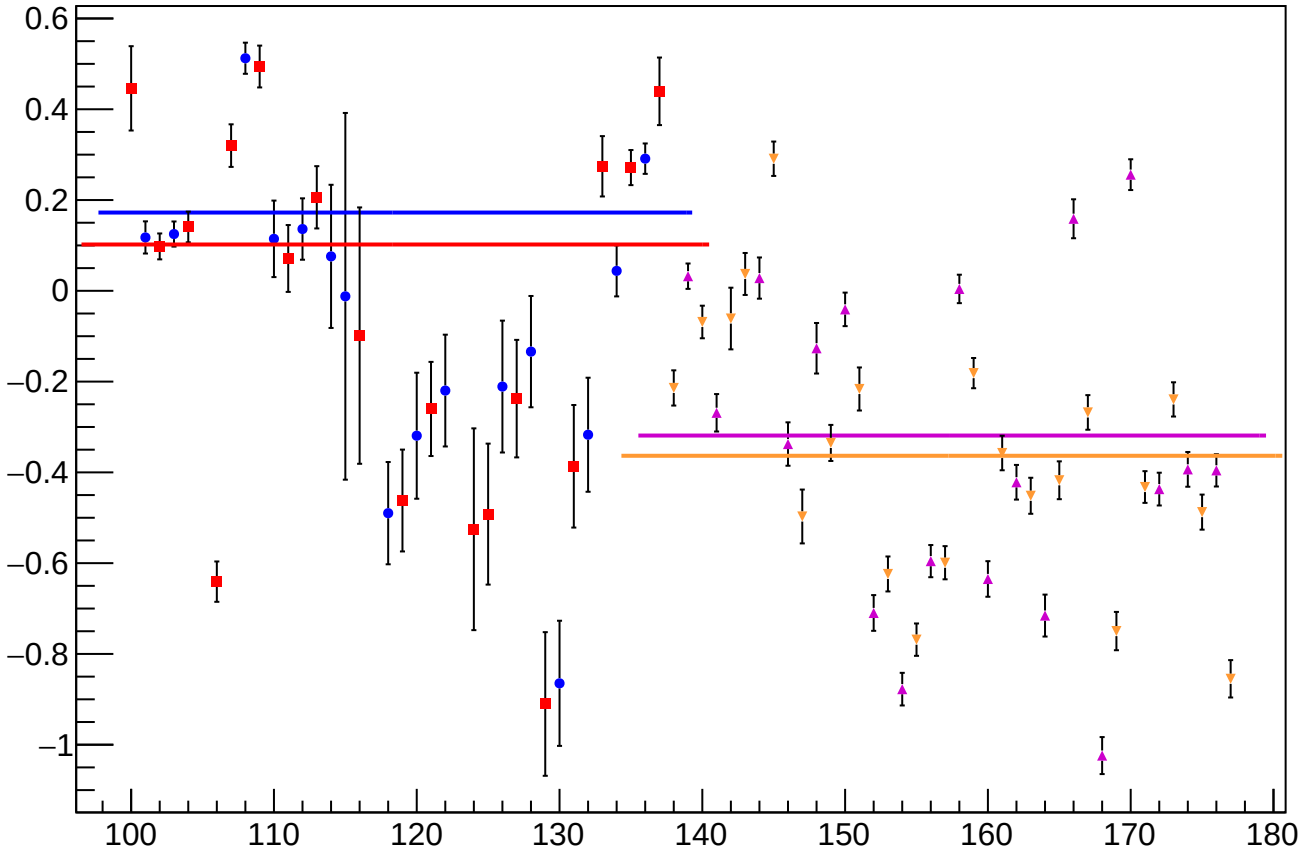
Left: 89.958+/-0.141 χ^2/NDF: 1930.8/39

Right: 46.693+/-0.209 χ^2/NDF: 55795.7/34

In: 76.672+/-0.170 χ^2/NDF:40830.6/34

Out: 76.177+/-0.161 χ^2/NDF:46333.2/39

All: 76.411+/-0.117 χ^2/NDF: 87168.2/74



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.363+/-0.009 χ^2/NDF:1001.2/20

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

Left In: -0.319+/-0.009 χ^2/NDF:1669.4/18

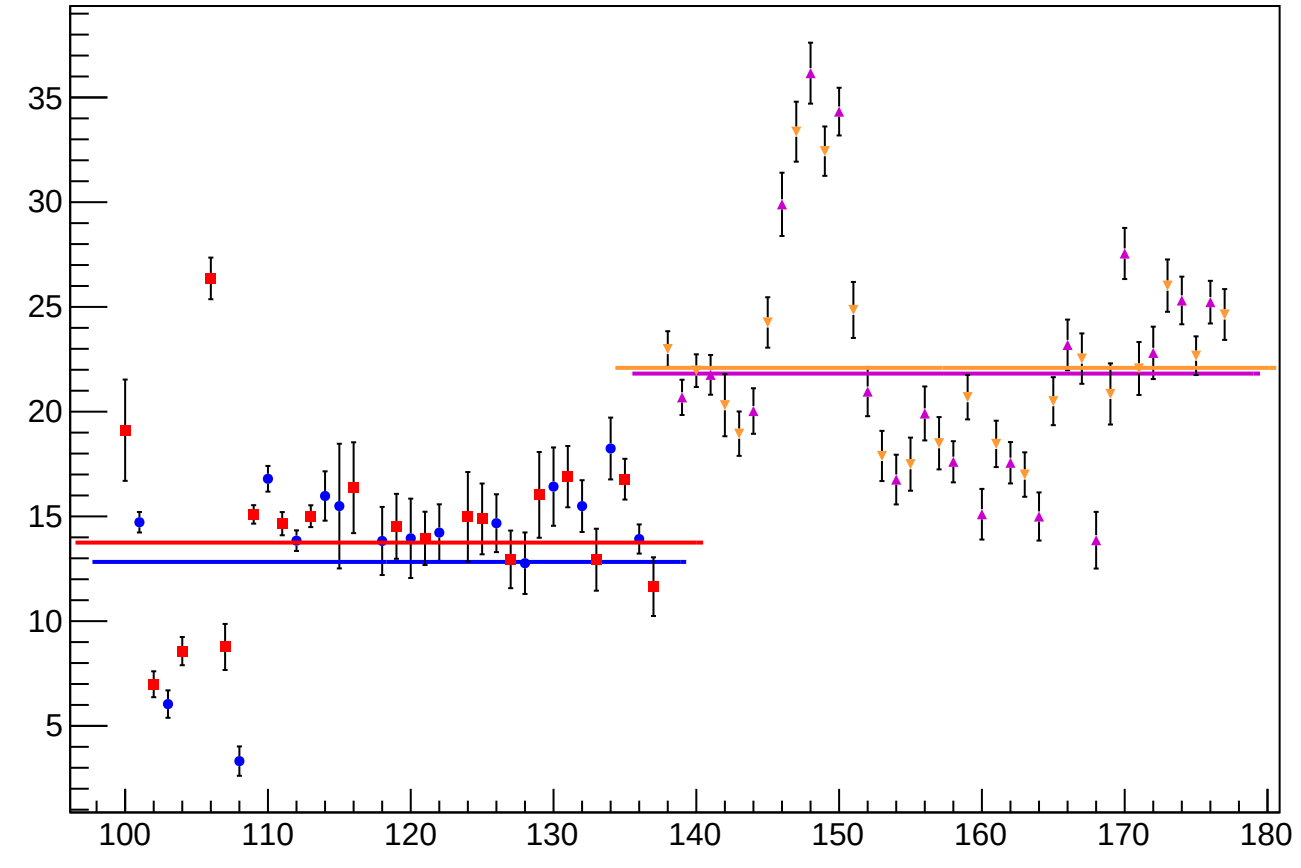
Left: -0.341+/-0.006 χ^2/NDF: 2683.7/39

Right: 0.135+/-0.010 χ^2/NDF: 836.7/34

In: -0.184+/-0.007 χ^2/NDF:2807.8/34

Out: -0.226+/-0.007 χ^2/NDF:2404.5/39

All: -0.205+/-0.005 χ^2/NDF: 5229.1/74



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 22.091+/-0.247 χ^2/NDF:244.8/20

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

Left In: 21.818+/-0.259 χ^2/NDF:454.1/18

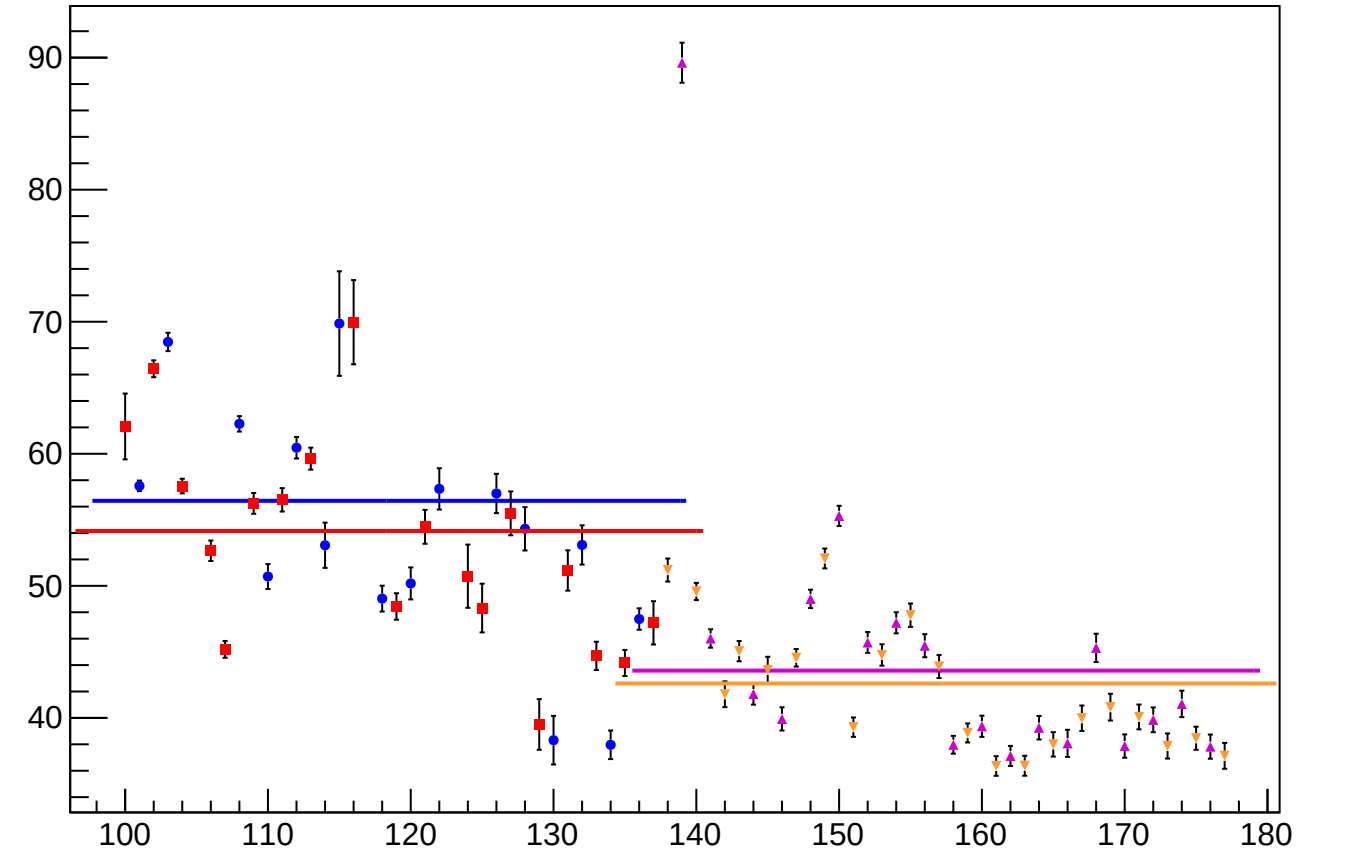
Left: 21.961+/-0.179 χ^2/NDF: 699.5/39

Right: 13.311+/-0.148 χ^2/NDF: 801.7/34

In: 16.470+/-0.165 χ^2/NDF:1556.9/34

Out: 17.139+/-0.157 χ^2/NDF:1327.2/39

All: 16.821+/-0.114 χ^2/NDF: 2892.8/74



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 42.605+/-0.181 χ^2/NDF:739.5/20

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

Left In: 43.581+/-0.193 χ^2/NDF:1610.6/18

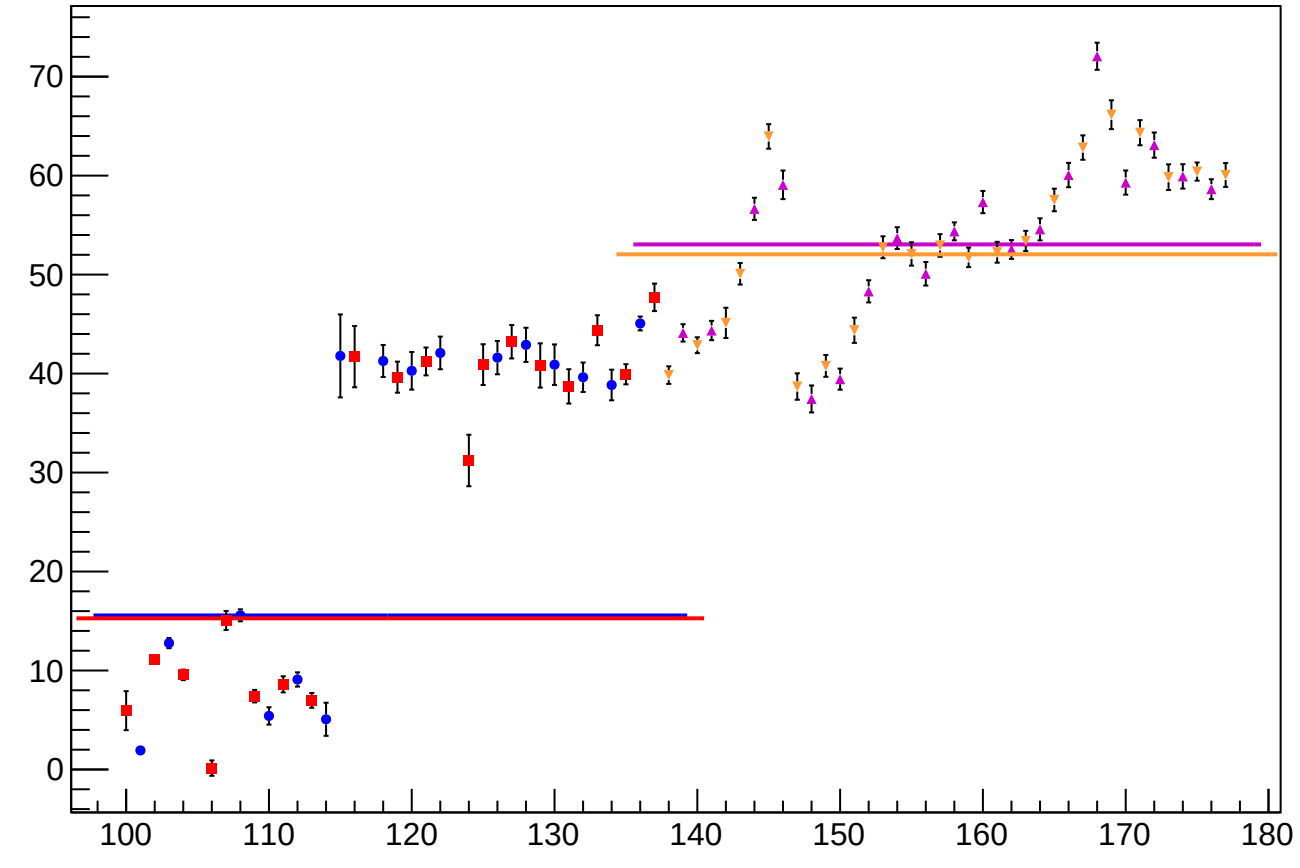
Left: 43.060+/-0.132 χ^2/NDF: 2363.8/39

Right: 55.311+/-0.158 χ^2/NDF: 2146.9/34

In: 49.131+/-0.146 χ^2/NDF:4608.0/34

Out: 47.141+/-0.141 χ^2/NDF:3353.5/39

All: 48.101+/-0.101 χ^2/NDF: 8058.0/74



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 52.048+/-0.243 χ^2/NDF:1130.6/20

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

Left In: 53.049+/-0.255 χ^2/NDF:924.3/18

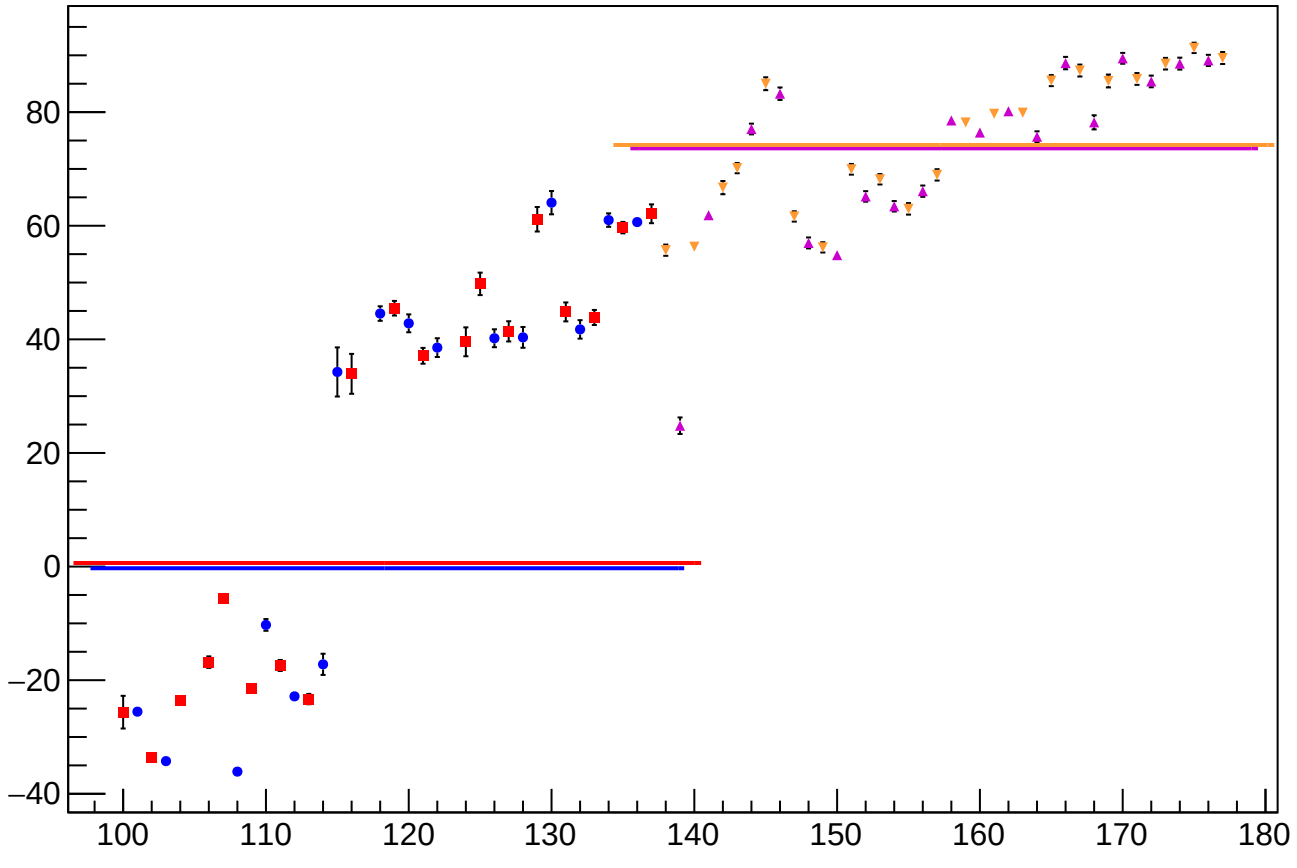
Left: 52.525+/-0.176 χ^2/NDF: 2063.0/39

Right: 15.420+/-0.153 χ^2/NDF: 9050.0/34

In: 31.083+/-0.164 χ^2/NDF:18807.8/34

Out: 31.756+/-0.163 χ^2/NDF:17628.2/39

All: 31.422+/-0.115 χ^2/NDF: 36444.5/74



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 74.220+/-0.205 χ^2/NDF:3223.9/20

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

Left In: 73.623+/-0.218 χ^2/NDF:3621.7/18

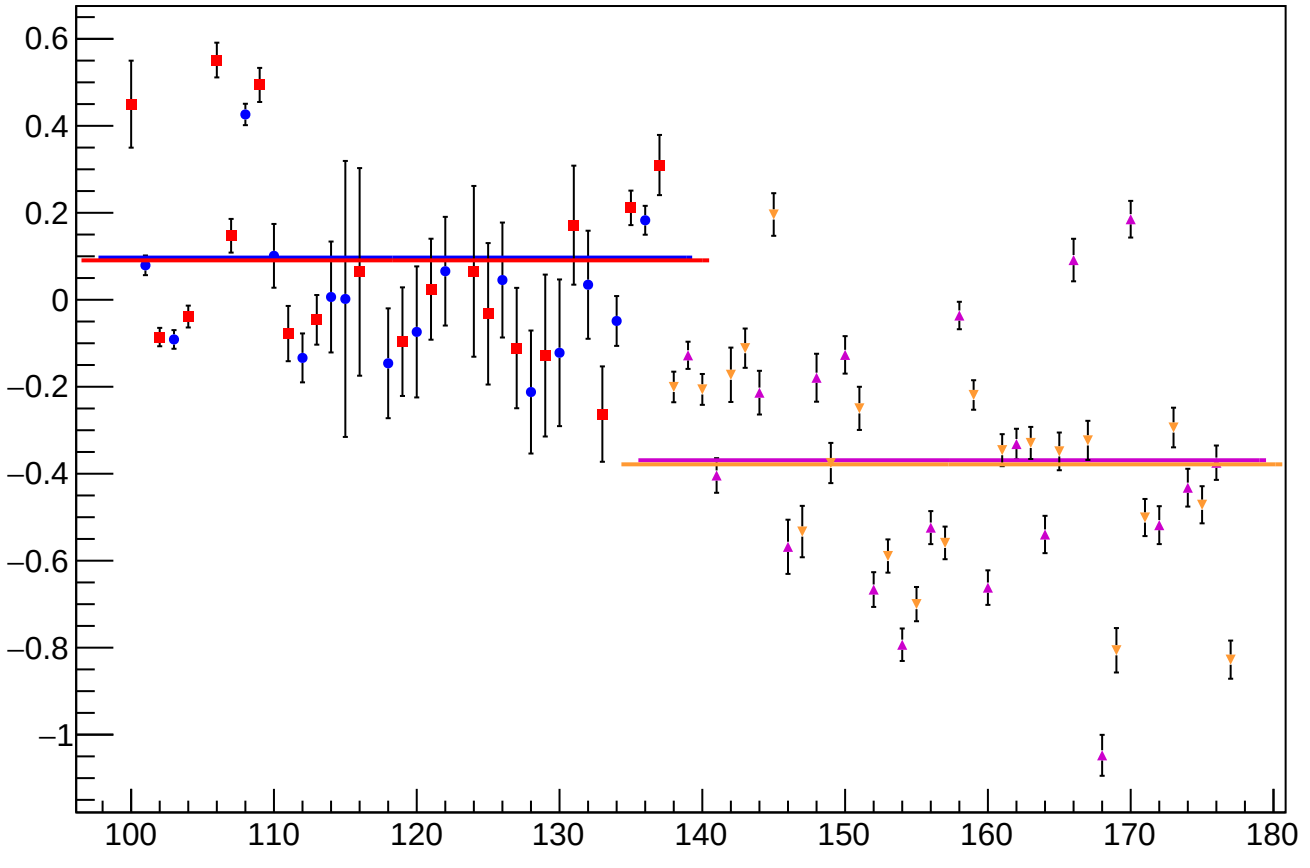
Left: 73.939+/-0.149 χ^2/NDF: 6849.7/39

Right: 0.165+/-0.186 χ^2/NDF: 37065.2/34

In: 43.357+/-0.167 χ^2/NDF:71876.5/34

Out: 46.447+/-0.162 χ^2/NDF:67767.6/39

All: 44.952+/-0.116 χ^2/NDF: 139820.3/74



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.378+/-0.009 χ^2/NDF:584.1/20

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

Left In: -0.369+/-0.009 χ^2/NDF:990.2/18

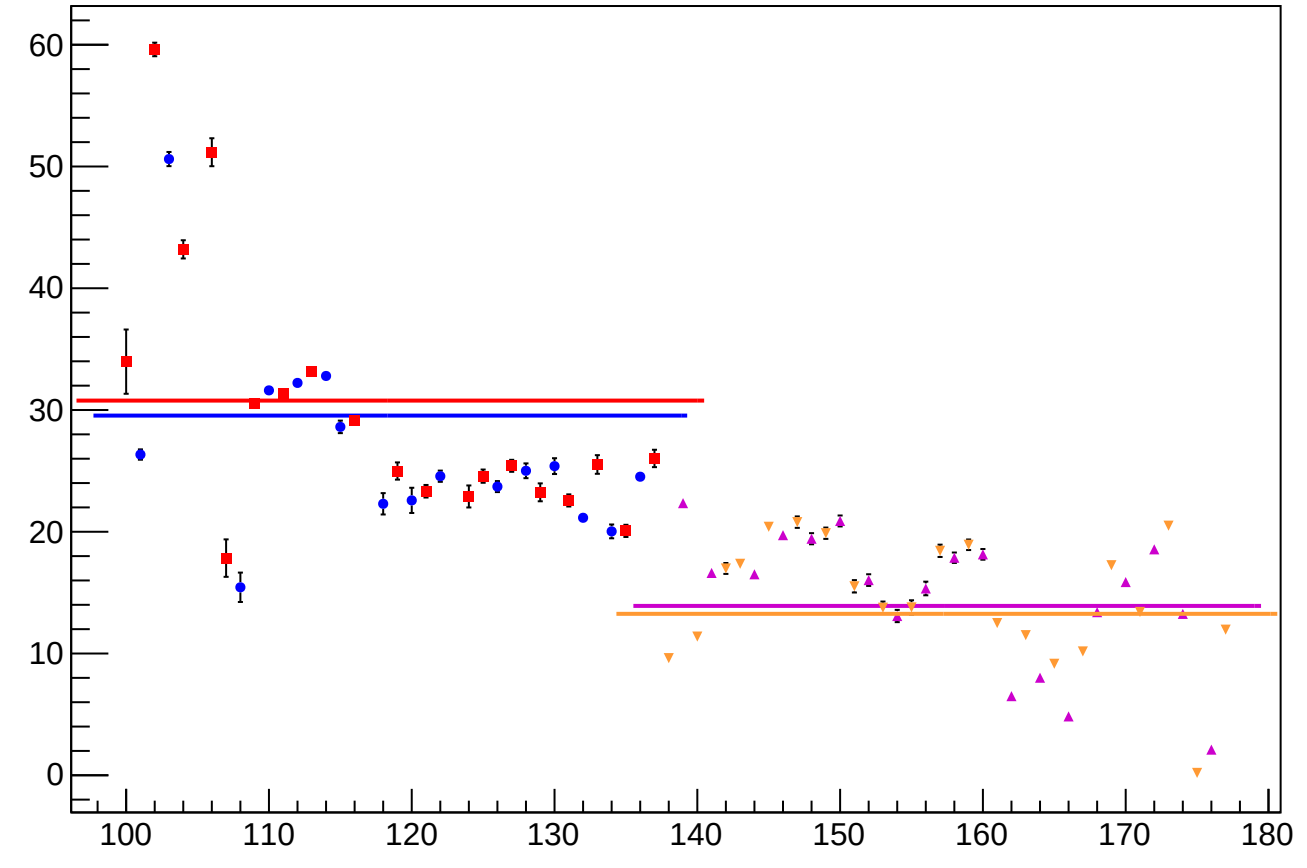
Left: -0.374+/-0.007 χ^2/NDF: 1574.8/39

Right: 0.094+/-0.008 χ^2/NDF: 698.7/34

In: -0.177+/-0.007 χ^2/NDF:2303.9/34

Out: -0.193+/-0.007 χ^2/NDF:2009.3/39

All: -0.185+/-0.005 χ^2/NDF: 4315.8/74



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 13.259+/-0.077 χ^2/NDF:5809.7/20

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

Left In: 13.910+/-0.080 χ^2/NDF:5193.4/18

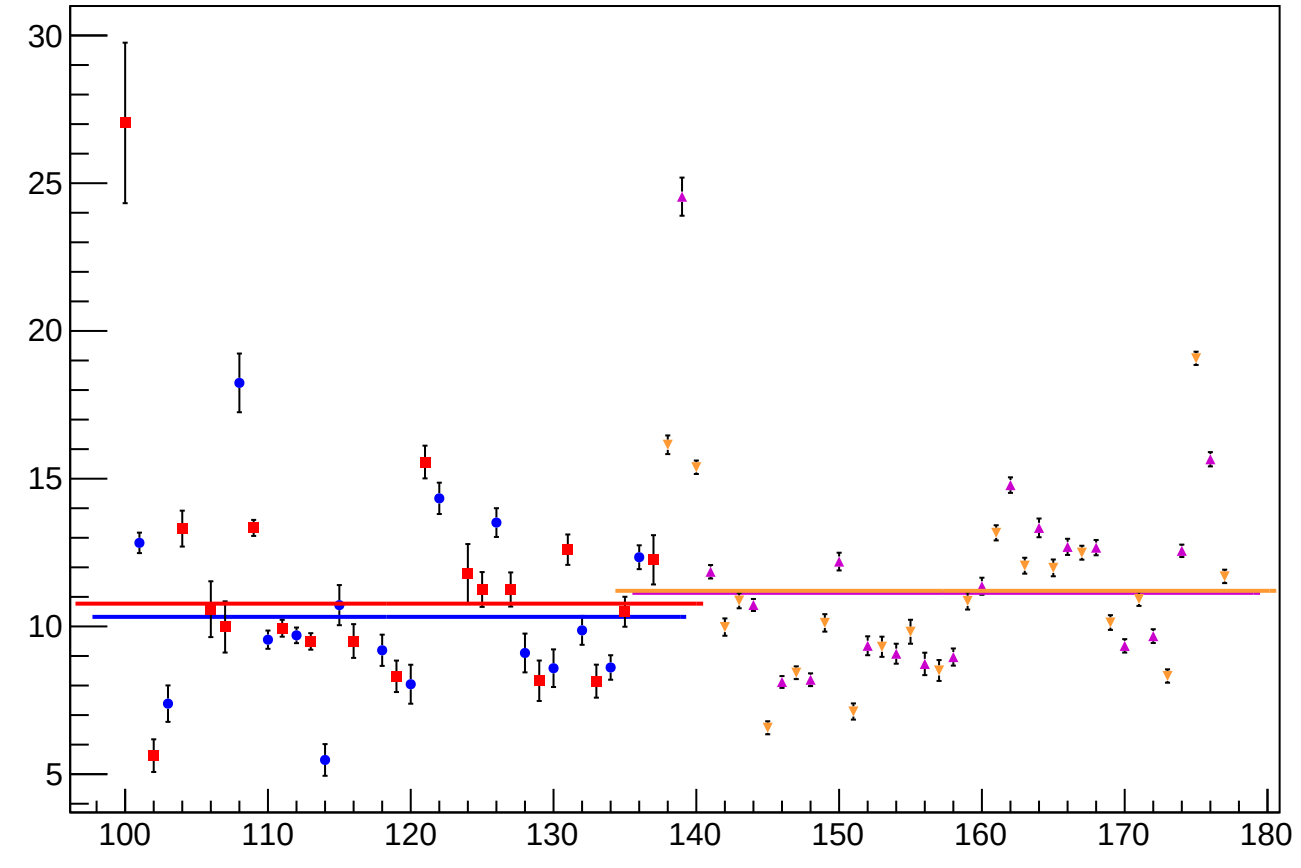
Left: 13.571+/-0.056 χ^2/NDF: 11037.4/39

Right: 30.242+/-0.060 χ^2/NDF: 8553.4/34

In: 20.662+/-0.060 χ^2/NDF:24981.3/34

Out: 21.660+/-0.056 χ^2/NDF:35736.1/39

All: 21.203+/-0.041 χ^2/NDF: 60865.4/74



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 11.205+/-0.057 χ^2/NDF:3062.1/20

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

Left In: 11.137+/-0.059 χ^2/NDF:1839.2/18

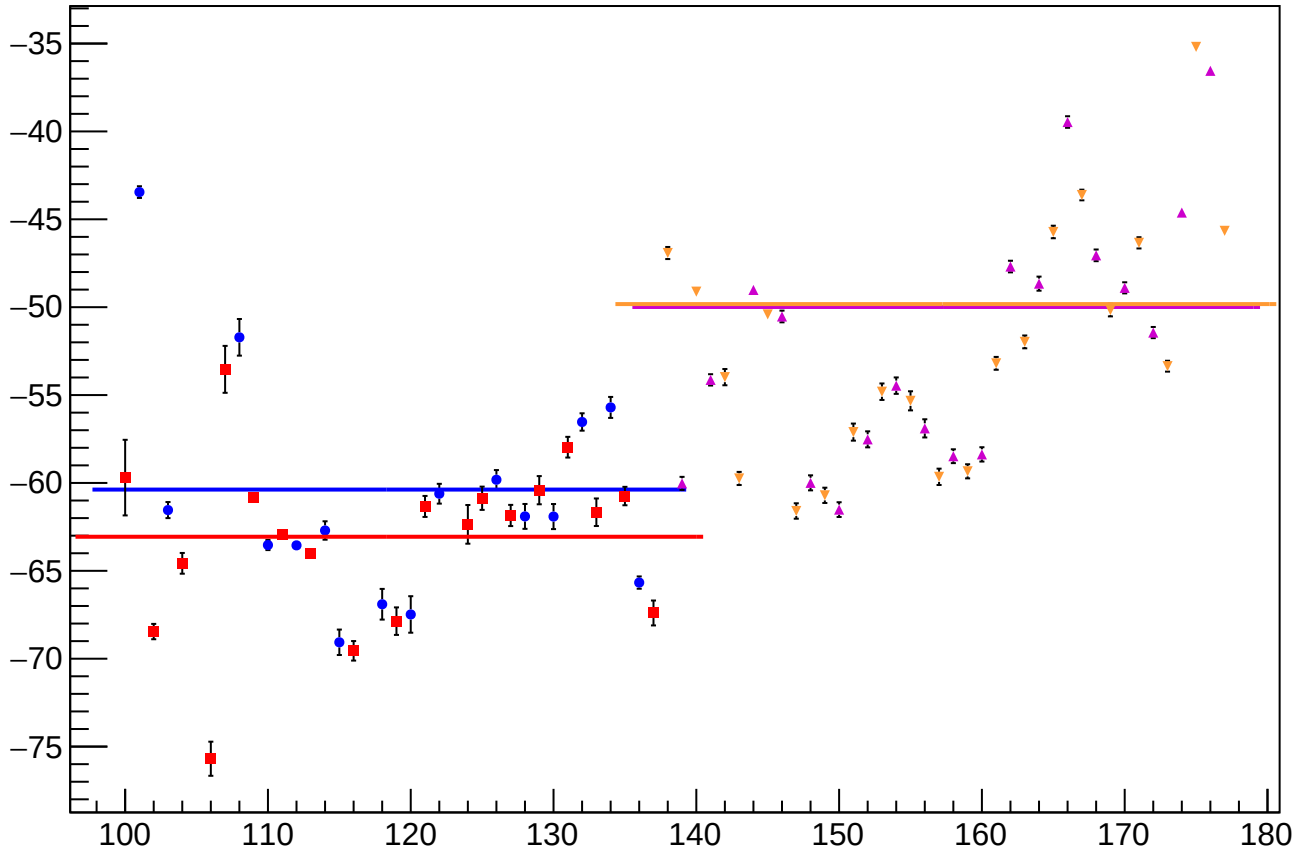
Left: 11.173+/-0.041 χ^2/NDF: 4902.1/39

Right: 10.550+/-0.080 χ^2/NDF: 826.2/34

In: 10.963+/-0.053 χ^2/NDF:2281.9/34

Out: 11.117+/-0.051 χ^2/NDF:3489.7/39

All: 11.043+/-0.037 χ^2/NDF: 5776.1/74



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -49.824+/-0.077 χ^2/NDF:8546.4/20

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

Left In: -49.988+/-0.080 χ^2/NDF:7740.1/18

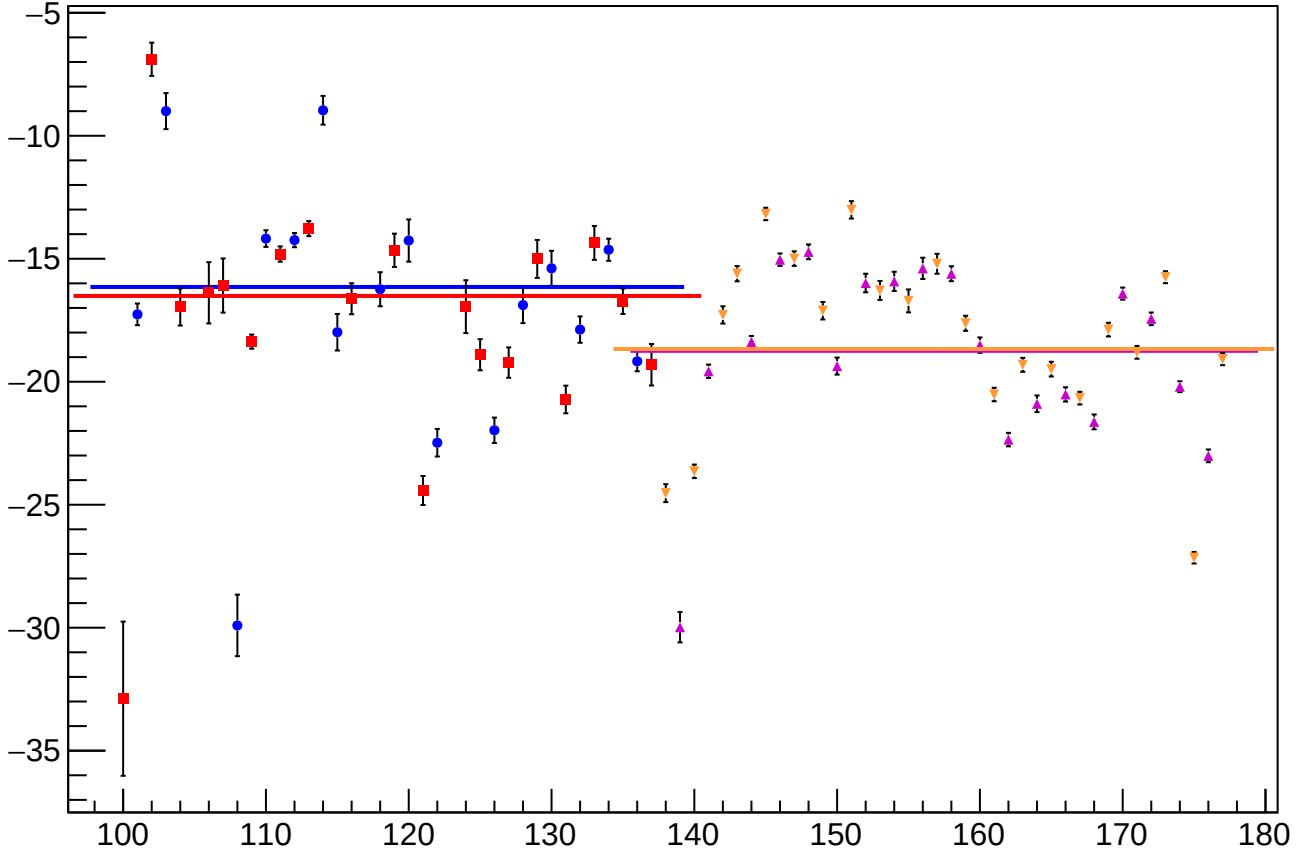
Left: -49.902+/-0.055 χ^2/NDF: 16288.7/39

Right: -61.789+/-0.078 χ^2/NDF: 4738.4/34

In: -53.445+/-0.065 χ^2/NDF:16977.5/34

Out: -54.298+/-0.062 χ^2/NDF:19474.9/39

All: -53.891+/-0.045 χ^2/NDF: 36541.8/74



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -18.669+/-0.064 χ^2/NDF:3318.8/20

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

Left In: -18.743+/-0.067 χ^2/NDF:1779.9/18

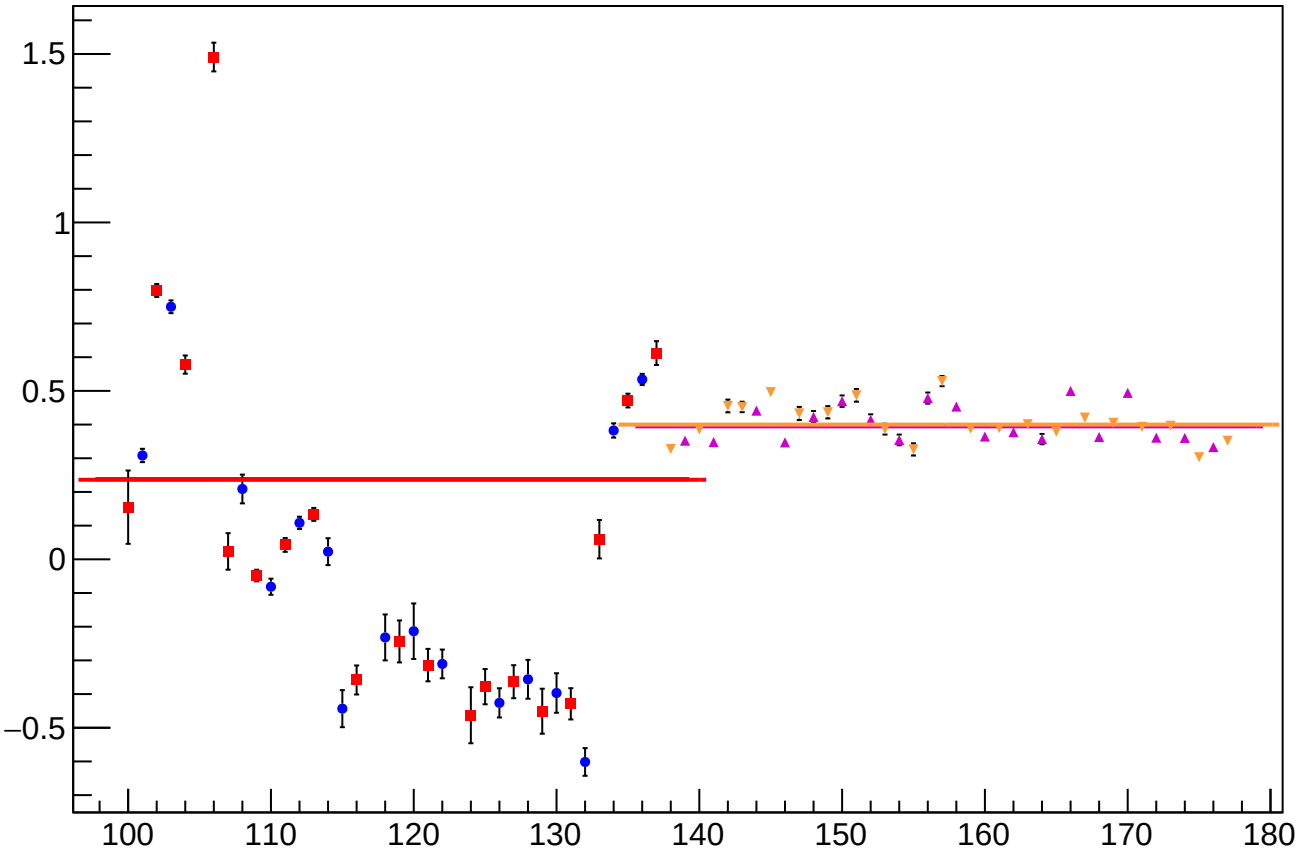
Left: -18.704+/-0.047 χ^2/NDF: 5099.3/39

Right: -16.333+/-0.089 χ^2/NDF: 1486.0/34

In: -18.174+/-0.060 χ^2/NDF:2902.3/34

Out: -18.214+/-0.057 χ^2/NDF:4239.8/39

All: -18.195+/-0.041 χ^2/NDF: 7142.3/74



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.400+/-0.003 χ^2/NDF:350.5/20

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

Left In: 0.395+/-0.003 χ^2/NDF:345.2/18

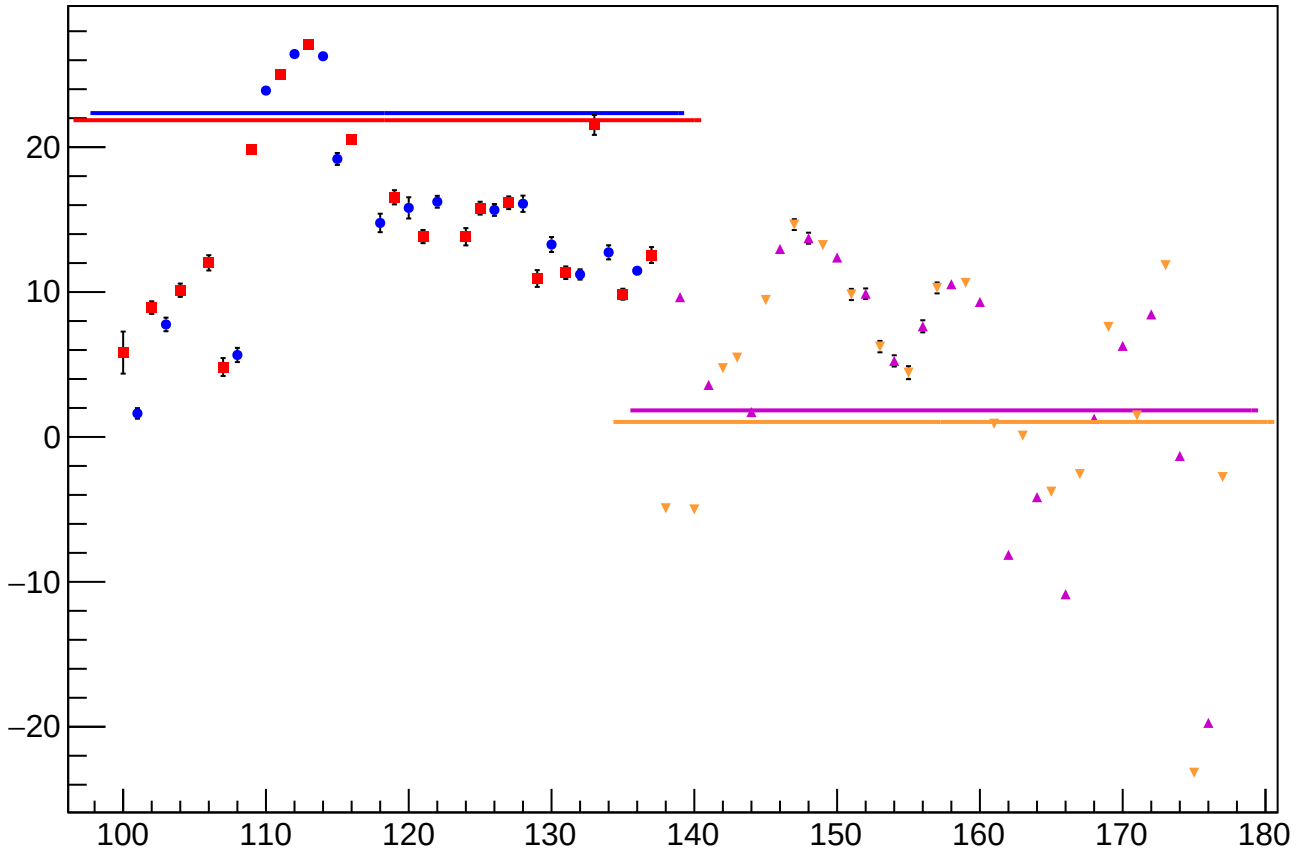
Left: 0.397+/-0.002 χ^2/NDF: 697.4/39

Right: 0.237+/-0.005 χ^2/NDF: 6227.9/34

In: 0.371+/-0.003 χ^2/NDF:3396.8/34

Out: 0.376+/-0.003 χ^2/NDF:4402.2/39

All: 0.374+/-0.002 χ^2/NDF: 7801.1/74



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: 1.037+/-0.063 χ^2/NDF:23843.6/20

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

Left In: 1.833+/-0.066 χ^2/NDF:18732.7/18

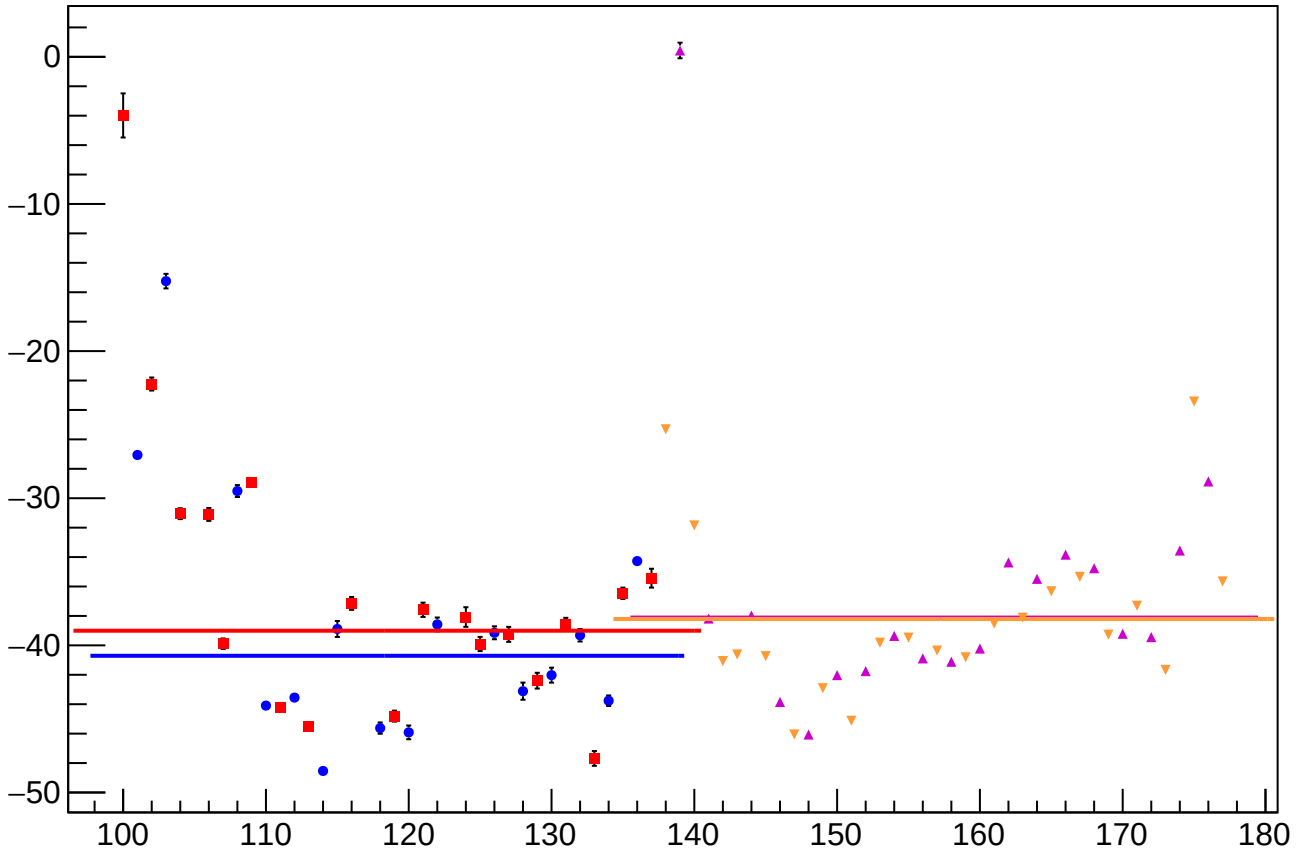
Left: 1.413+/-0.046 χ^2/NDF: 42652.4/39

Right: 22.056+/-0.036 χ^2/NDF: 23074.3/34

In: 13.715+/-0.043 χ^2/NDF:86459.2/34

Out: 14.518+/-0.037 χ^2/NDF:105878.8/39

All: 14.174+/-0.028 χ^2/NDF: 192537.1/74



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -38.207+/-0.046 χ^2/NDF:14446.5/20

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

Left In: -38.111+/-0.049 χ^2/NDF:12621.3/18

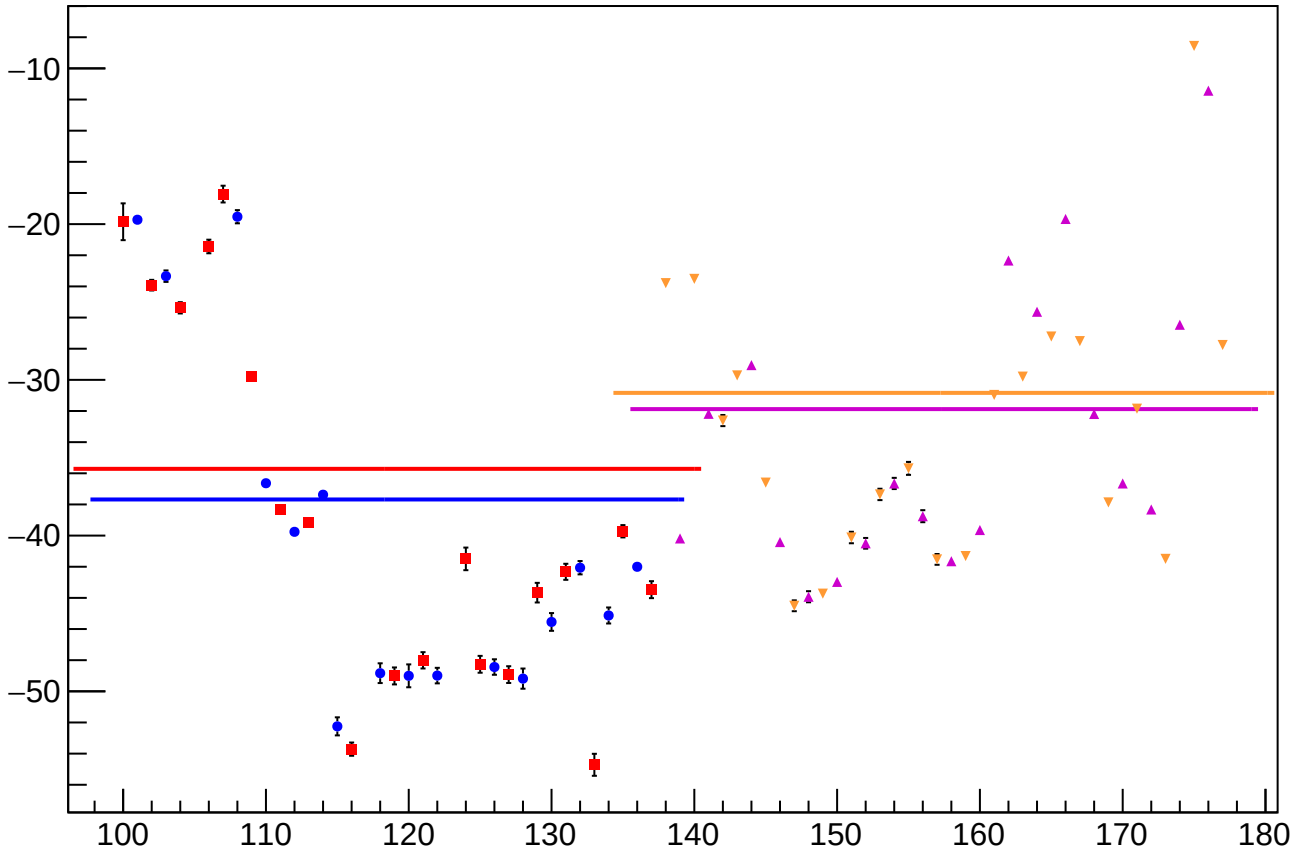
Left: -38.162+/-0.034 χ^2/NDF: 27069.8/39

Right: -39.794+/-0.052 χ^2/NDF: 18148.1/34

In: -38.872+/-0.041 χ^2/NDF:21217.3/34

Out: -38.443+/-0.039 χ^2/NDF:24636.6/39

All: -38.643+/-0.028 χ^2/NDF: 45911.3/74



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -30.836+/-0.062 χ^2/NDF:22379.7/20

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

Left In: -31.878+/-0.066 χ^2/NDF:19131.7/18

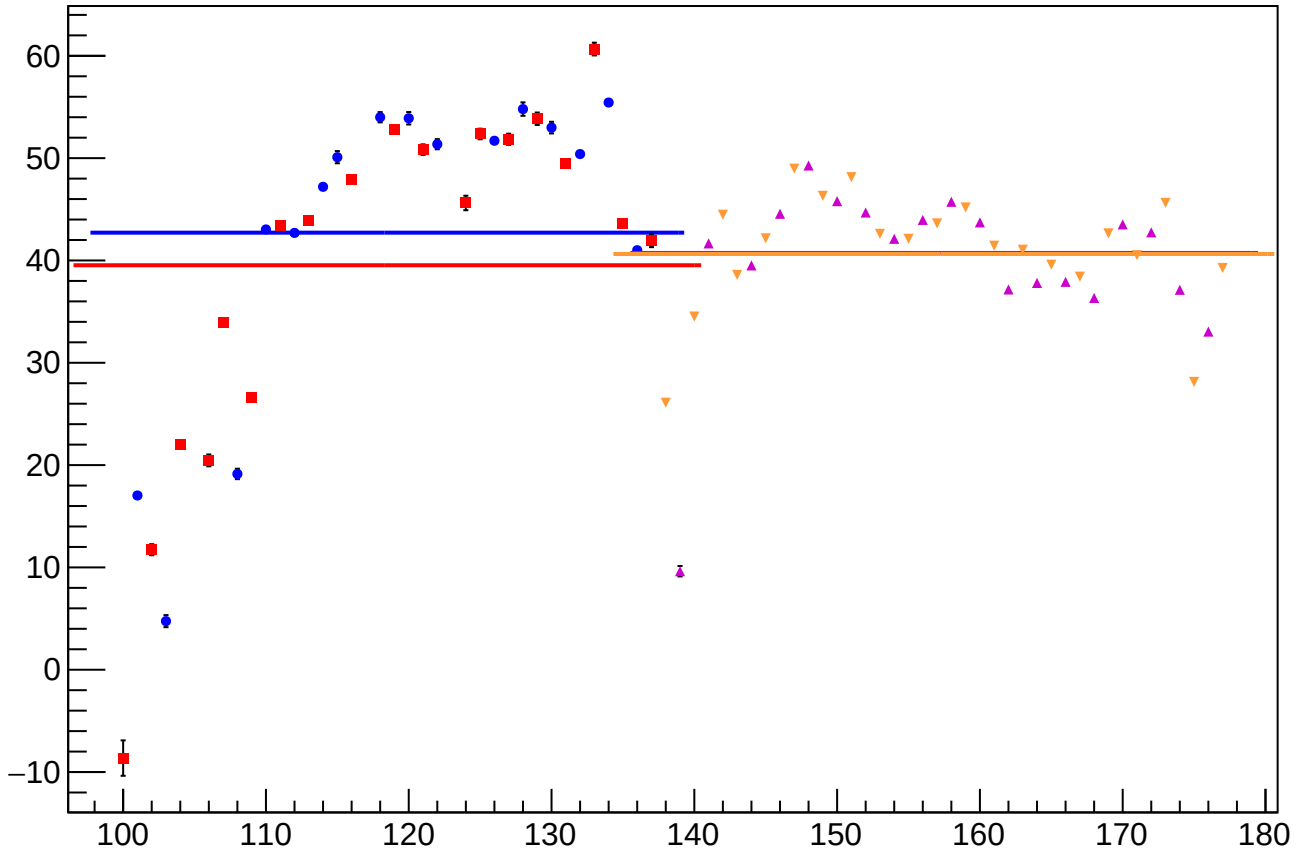
Left: -31.328+/-0.045 χ^2/NDF: 41643.6/39

Right: -36.564+/-0.048 χ^2/NDF: 24532.6/34

In: -34.451+/-0.049 χ^2/NDF:33431.7/34

Out: -33.198+/-0.045 χ^2/NDF:38620.2/39

All: -33.767+/-0.033 χ^2/NDF: 72407.7/74



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 40.633+/-0.052 χ^2/NDF:10957.2/20

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

Left In: 40.734+/-0.056 χ^2/NDF:9032.2/18

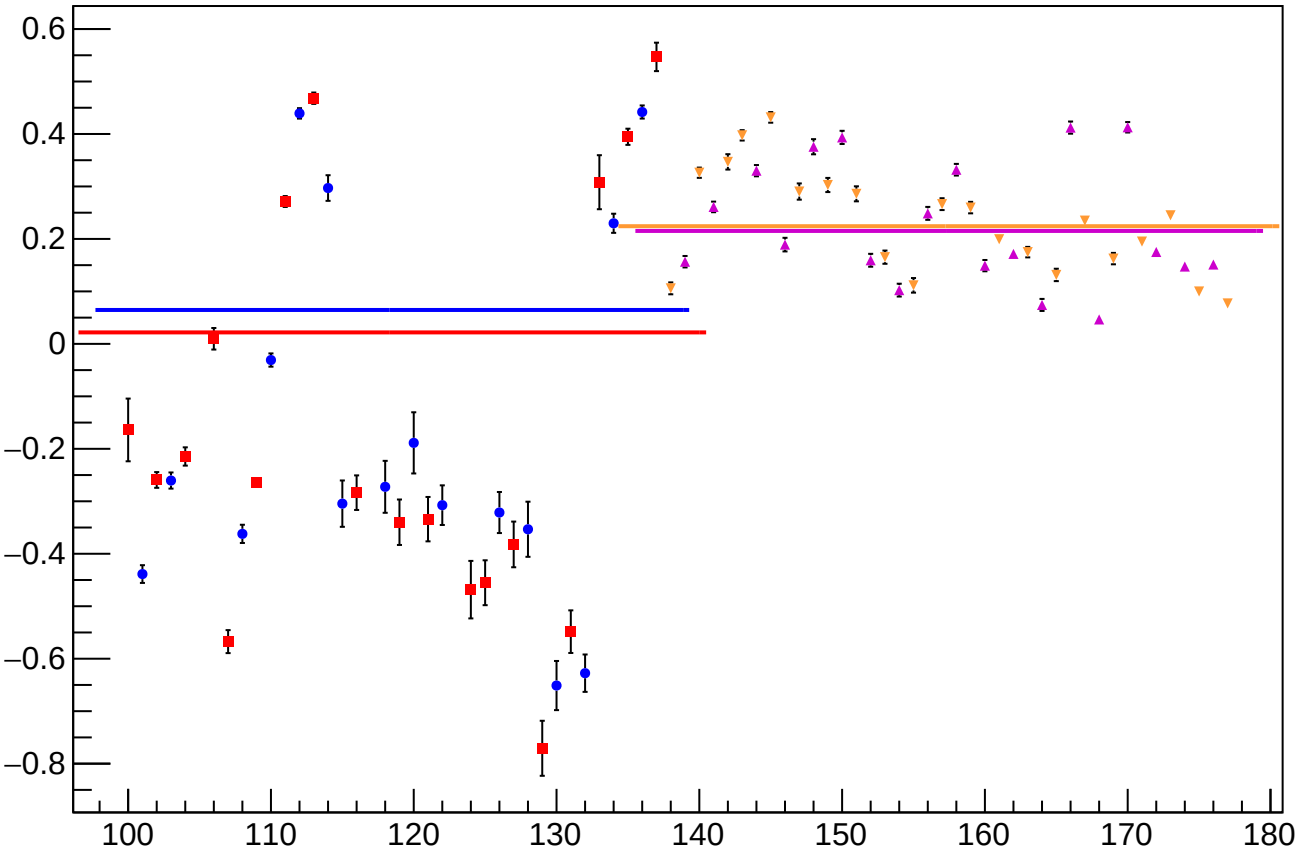
Left: 40.680+/-0.038 χ^2/NDF: 19991.2/39

Right: 40.991+/-0.058 χ^2/NDF: 33503.2/34

In: 41.329+/-0.047 χ^2/NDF:24178.1/34

Out: 40.293+/-0.043 χ^2/NDF:29072.1/39

All: 40.775+/-0.032 χ^2/NDF: 53514.7/74



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.224+/-0.002 χ^2/NDF:1781.7/20

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

Left In: 0.215+/-0.002 χ^2/NDF:2050.8/18

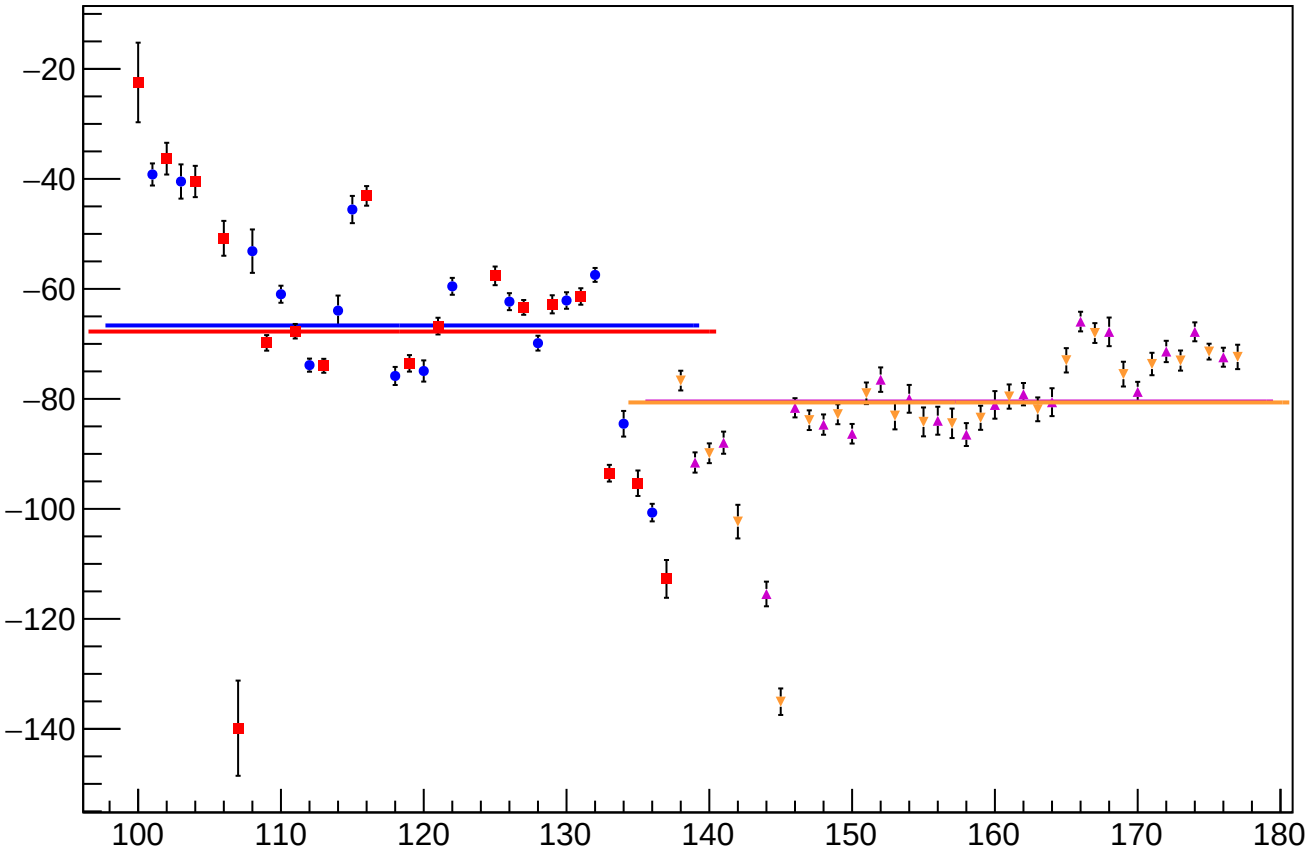
Left: 0.220+/-0.002 χ^2/NDF: 3839.5/39

Right: 0.041+/-0.003 χ^2/NDF: 11945.6/34

In: 0.184+/-0.002 χ^2/NDF:8318.2/34

Out: 0.179+/-0.002 χ^2/NDF:9835.6/39

All: 0.181+/-0.002 χ^2/NDF: 18157.6/74



Right In: -66.648+/-0.426 χ^2/NDF: 1052.4/15

Left Out: -80.646+/-0.457 χ^2/NDF:754.0/19

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

Left In: -80.476+/-0.462 χ^2/NDF:512.9/18

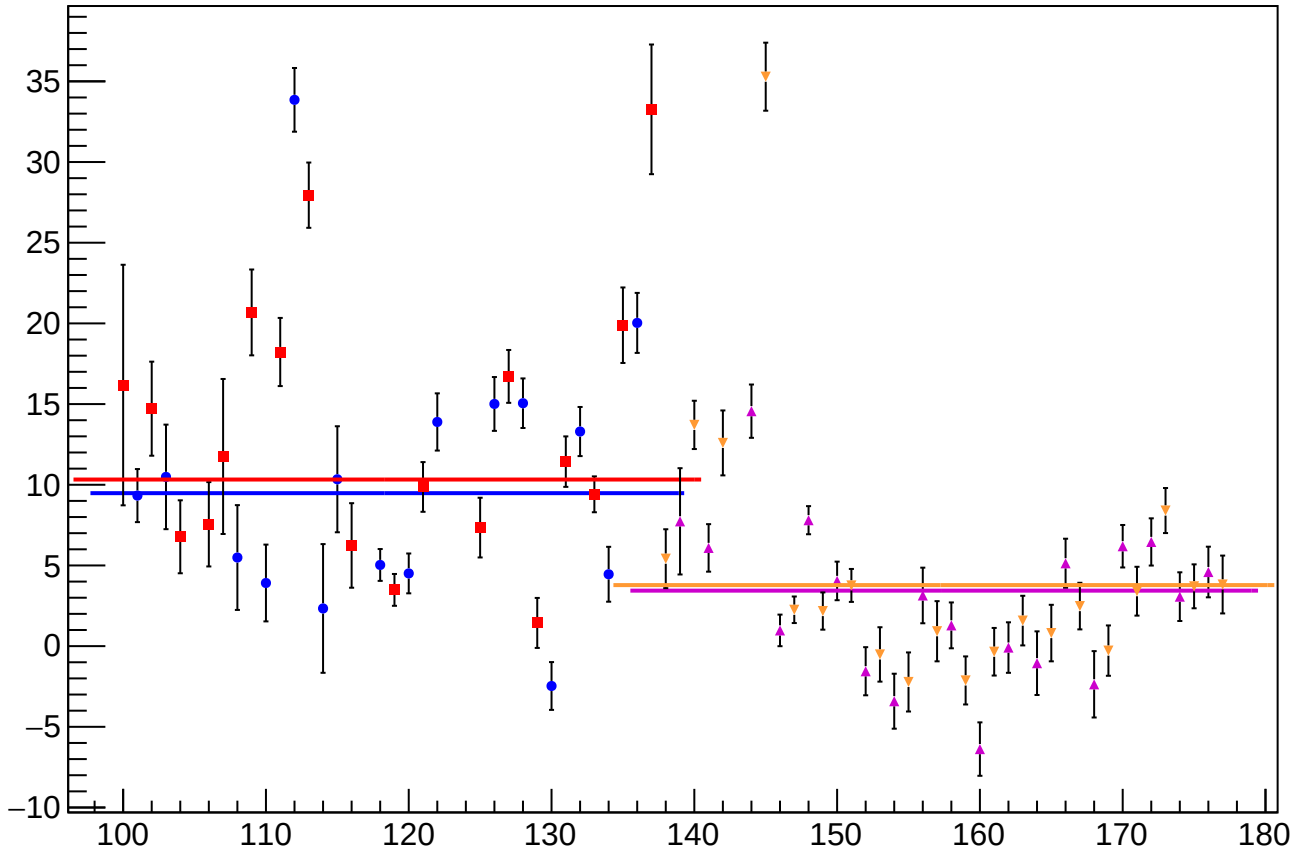
Left: -80.562+/-0.325 χ^2/NDF: 1266.9/38

Right: -67.210+/-0.299 χ^2/NDF: 2311.2/33

In: -73.002+/-0.313 χ^2/NDF:2049.2/34

Out: -73.648+/-0.309 χ^2/NDF:2441.1/37

All: -73.329+/-0.220 χ^2/NDF: 4492.5/72



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 3.782+/-0.321 χ^2/NDF:359.5/19

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

Left In: 3.439+/-0.330 χ^2/NDF:175.6/18

Left: 3.615+/-0.230 χ^2/NDF: 535.6/38

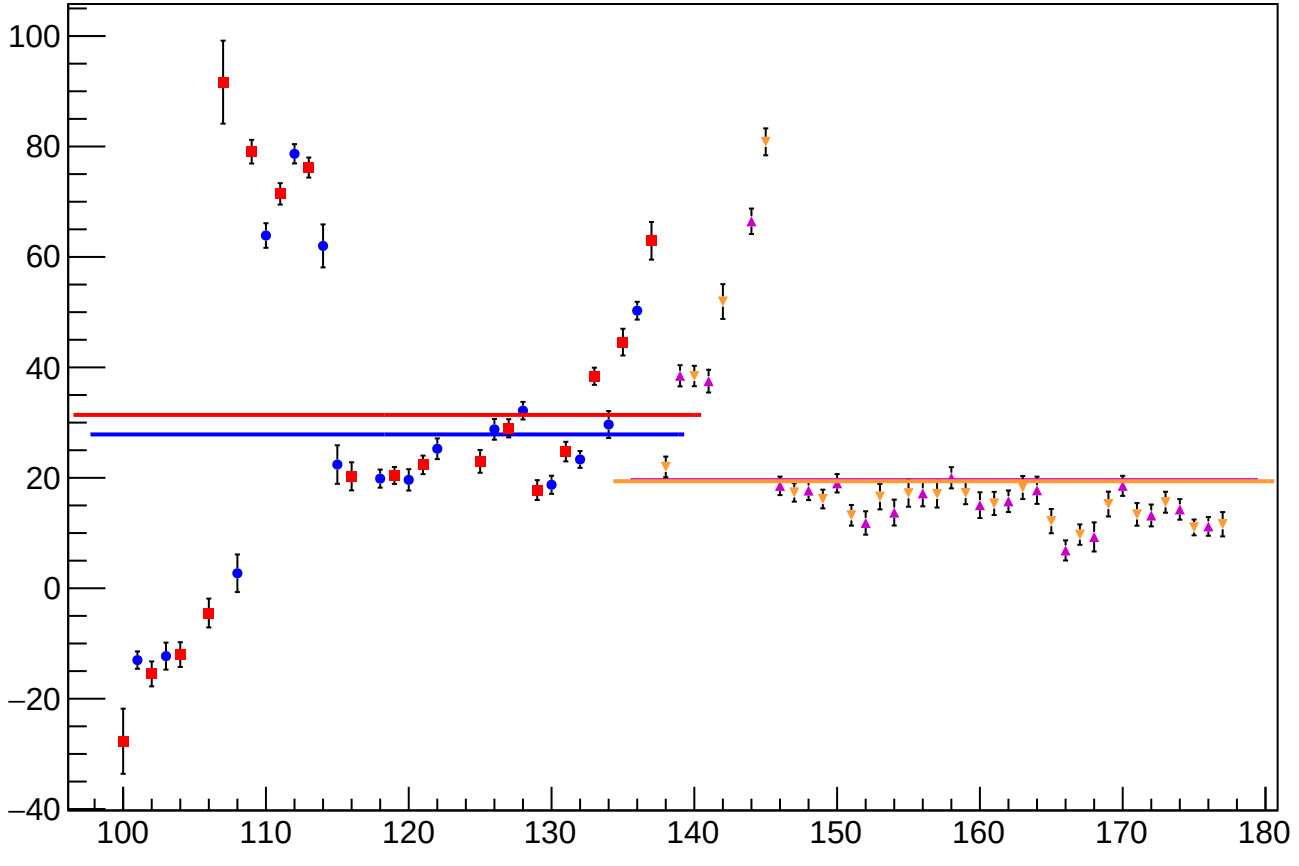
Right: 9.895+/-0.305 χ^2/NDF: 607.3/33

In: 5.688+/-0.261 χ^2/NDF:642.5/34

Out: 6.086+/-0.258 χ^2/NDF:769.0/37

All: 5.889+/-0.184 χ^2/NDF: 1412.6/72

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 19.387+/-0.449 χ^2/NDF:974.1/19

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

Left In: 19.582+/-0.454 χ^2/NDF:722.3/18

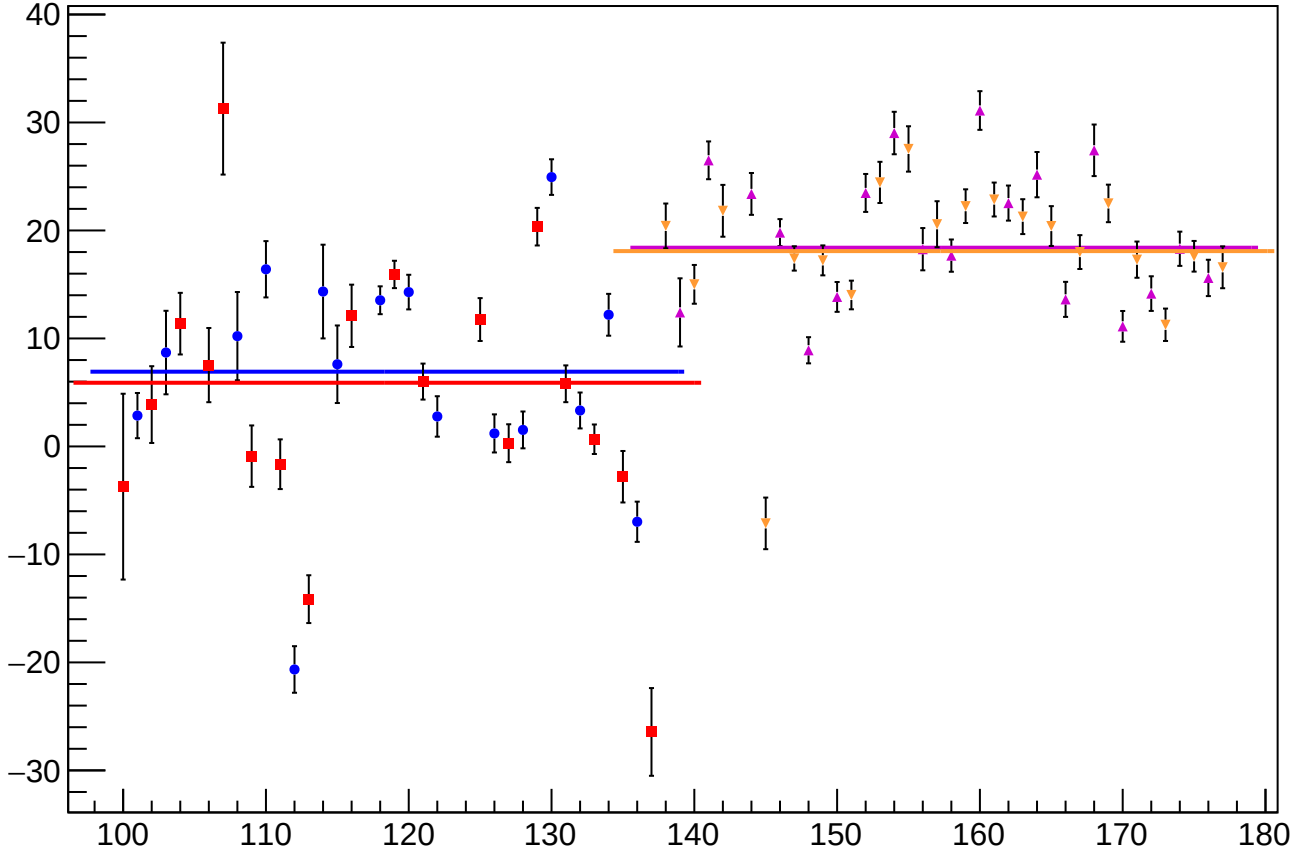
Left: 19.483+/-0.319 χ^2/NDF: 1696.5/38

Right: 29.608+/-0.343 χ^2/NDF: 5511.9/33

In: 23.470+/-0.331 χ^2/NDF:3352.4/34

Out: 24.891+/-0.330 χ^2/NDF:4313.9/37

All: 24.182+/-0.234 χ^2/NDF: 7675.6/72



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 18.088+/-0.371 χ^2/NDF:210.8/19

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

Left In: 18.403+/-0.380 χ^2/NDF:269.0/18

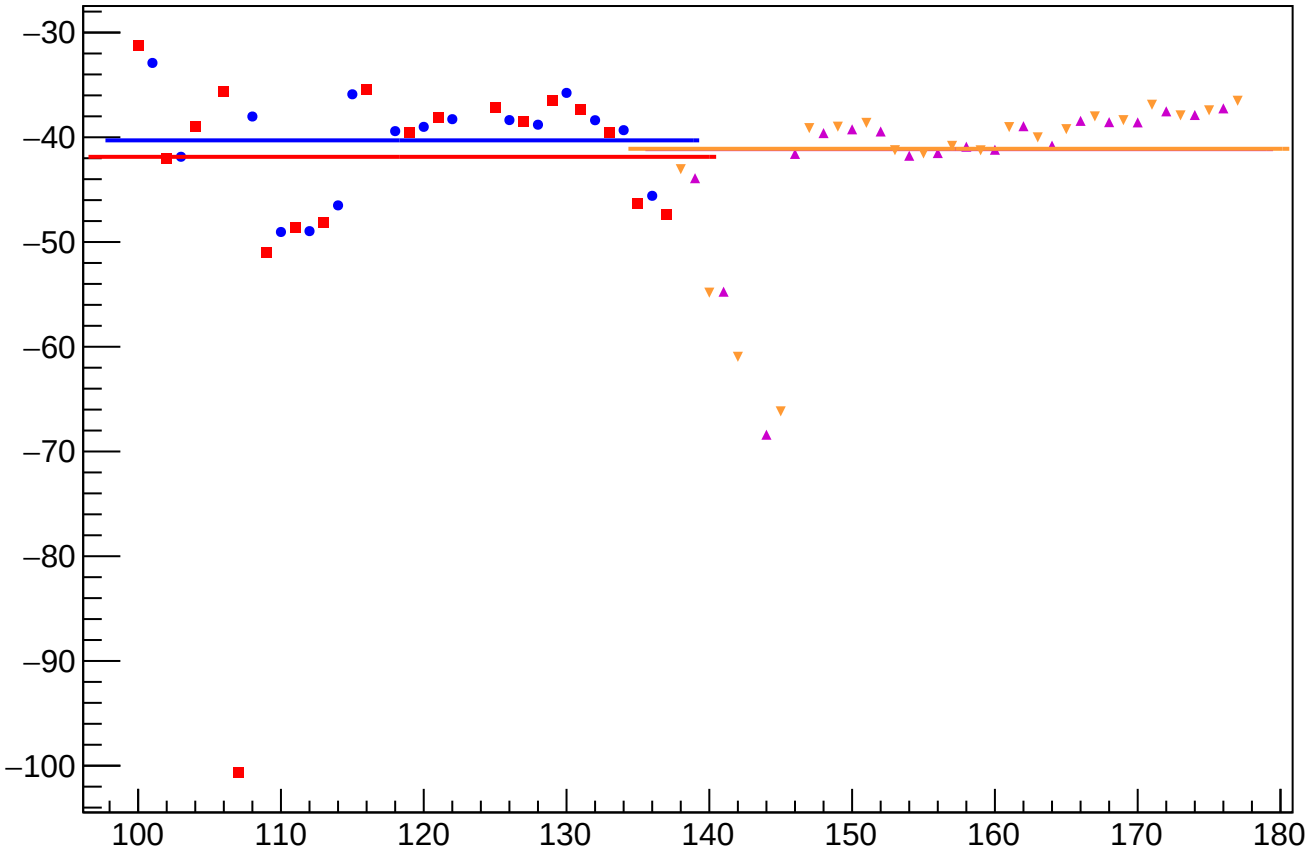
Left: 18.241+/-0.265 χ^2/NDF: 480.1/38

Right: 6.415+/-0.353 χ^2/NDF: 814.1/33

In: 14.156+/-0.301 χ^2/NDF:1051.5/34

Out: 13.784+/-0.298 χ^2/NDF:960.4/37

All: 13.968+/-0.212 χ^2/NDF: 2012.7/72



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

Left Out: -41.099+/-0.017 χ^2/NDF:139745.3/19

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

Left In: -41.132+/-0.017 χ^2/NDF:111602.0/18

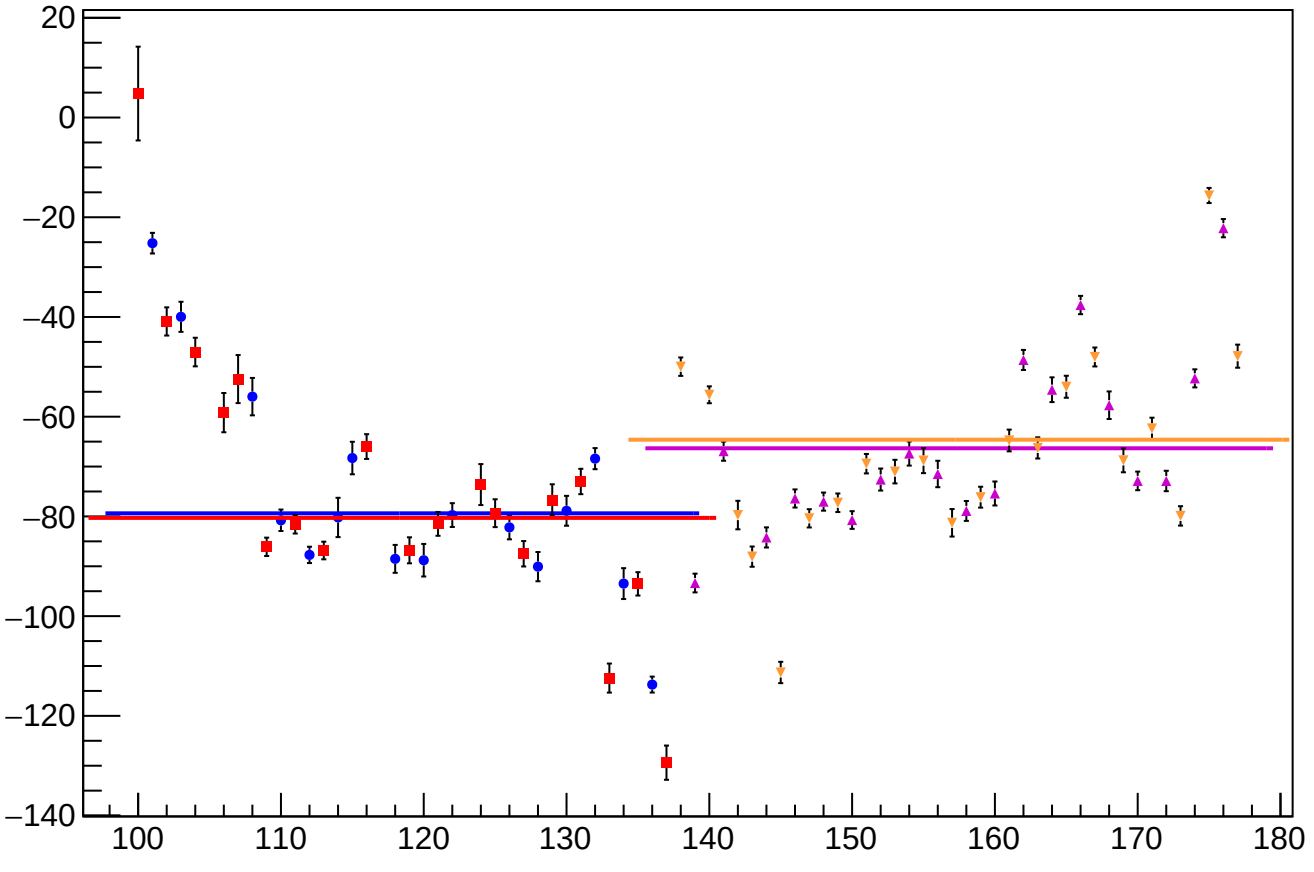
Left: -41.116+/-0.012 χ^2/NDF: 251349.2/38

Right: -41.063+/-0.022 χ^2/NDF: 80626.6/33

In: -40.942+/-0.015 χ^2/NDF:132817.1/34

Out: -41.268+/-0.015 χ^2/NDF:198926.3/37

All: -41.104+/-0.011 χ^2/NDF: 331980.1/72



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -64.618+/-0.449 χ^2/NDF:2191.5/20

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

Left In: -66.335+/-0.465 χ^2/NDF:1502.0/18

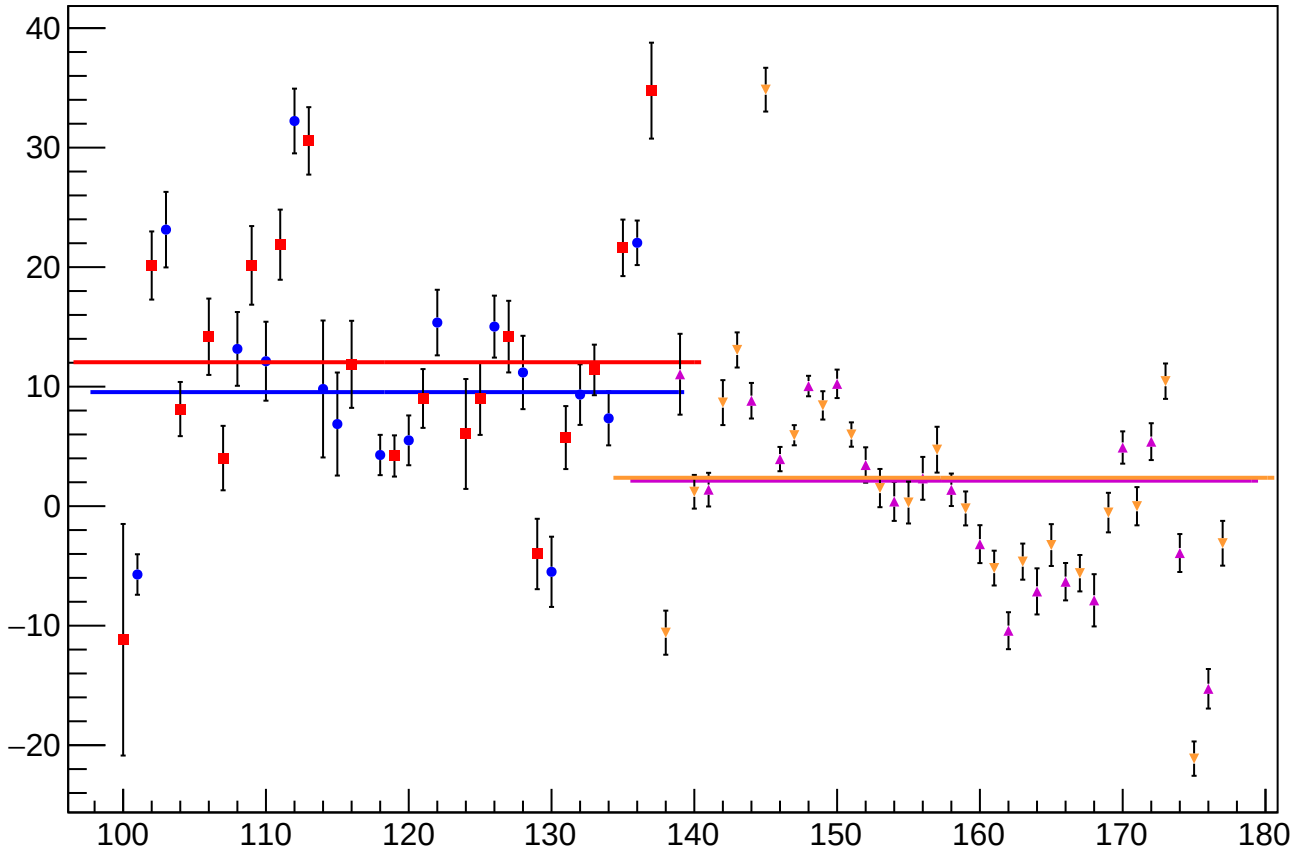
Left: -65.447+/-0.323 χ^2/NDF: 3700.5/39

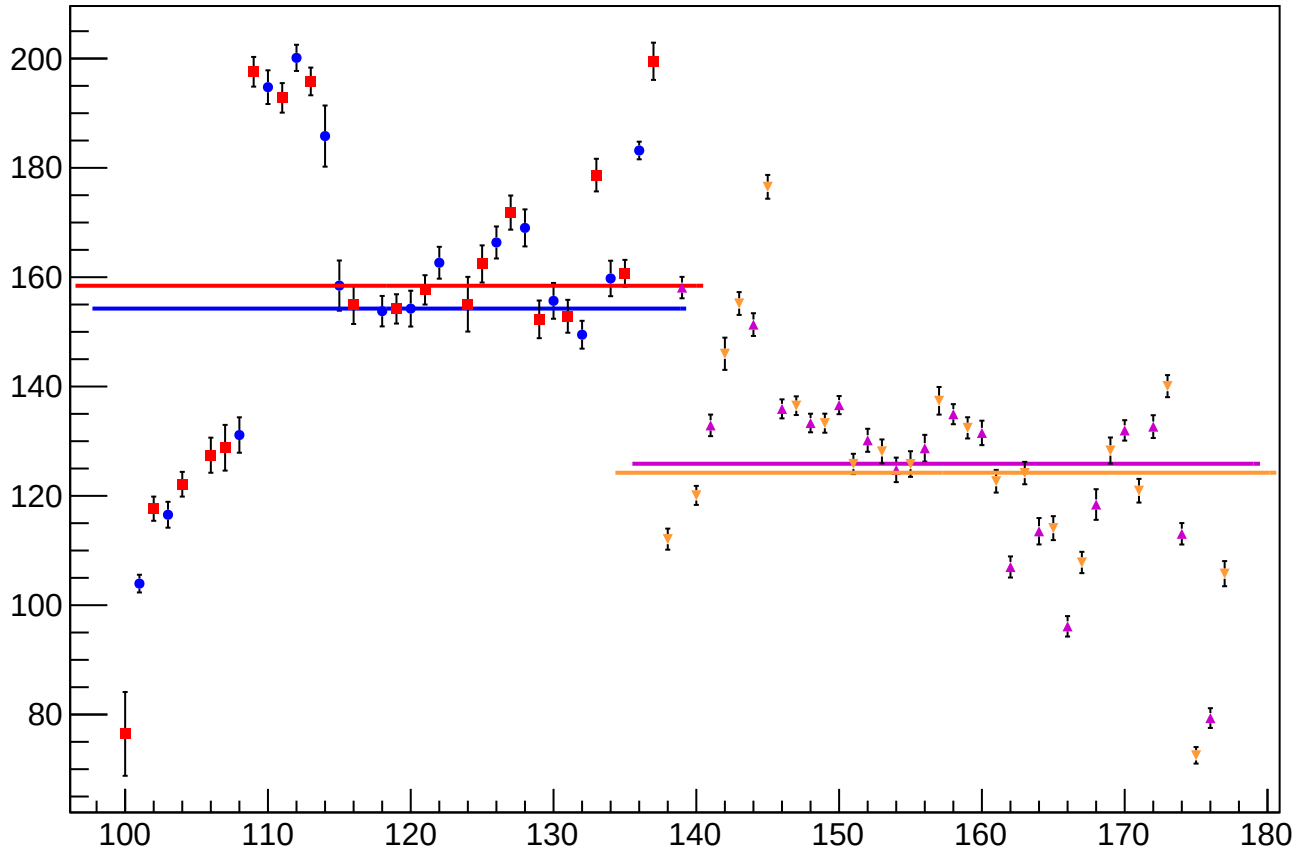
Right: -79.844+/-0.430 χ^2/NDF: 2391.7/34

In: -71.115+/-0.370 χ^2/NDF:3266.7/34

Out: -70.198+/-0.360 χ^2/NDF:3540.0/39

All: -70.645+/-0.258 χ^2/NDF: 6809.8/74


reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
180
Right In: 9.543+/-0.621 χ²/NDF: 267.1/15
Left Out: 2.375+/-0.315 χ²/NDF:888.8/20
Right Out: 12.044+/-0.637 χ²/NDF: 195.8/18
Left In: 2.133+/-0.330 χ²/NDF:448.8/18
Left: 2.260+/-0.228 χ²/NDF: 1337.9/39
Right: 10.762+/-0.445 χ²/NDF: 470.8/34
In: 3.762+/-0.291 χ²/NDF:826.9/34
Out: 4.279+/-0.283 χ²/NDF:1269.7/39
All: 4.028+/-0.203 χ²/NDF: 2098.2/74



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 124.231+/-0.441 χ^2/NDF:2416.0/20

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

Left In: 125.876+/-0.456 χ^2/NDF:1673.0/18

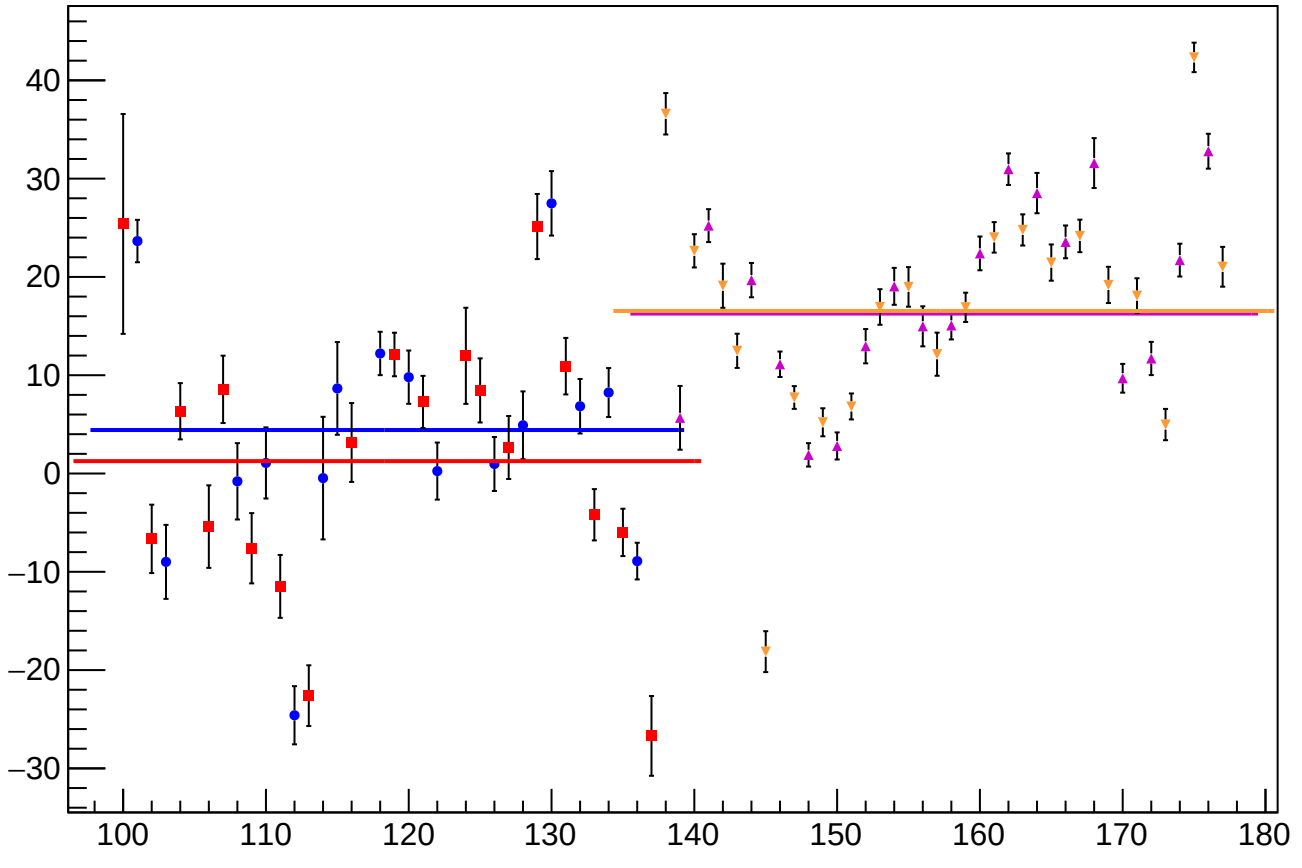
Left: 125.027+/-0.317 χ^2/NDF: 4095.8/39

Right: 156.282+/-0.475 χ^2/NDF: 3897.2/34

In: 135.012+/-0.375 χ^2/NDF:5134.4/34

Out: 134.317+/-0.371 χ^2/NDF:5850.7/39

All: 134.660+/-0.264 χ^2/NDF: 10986.8/74



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 16.537+/-0.365 χ^2/NDF:1003.2/20

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

Left In: 16.273+/-0.380 χ^2/NDF:619.2/18

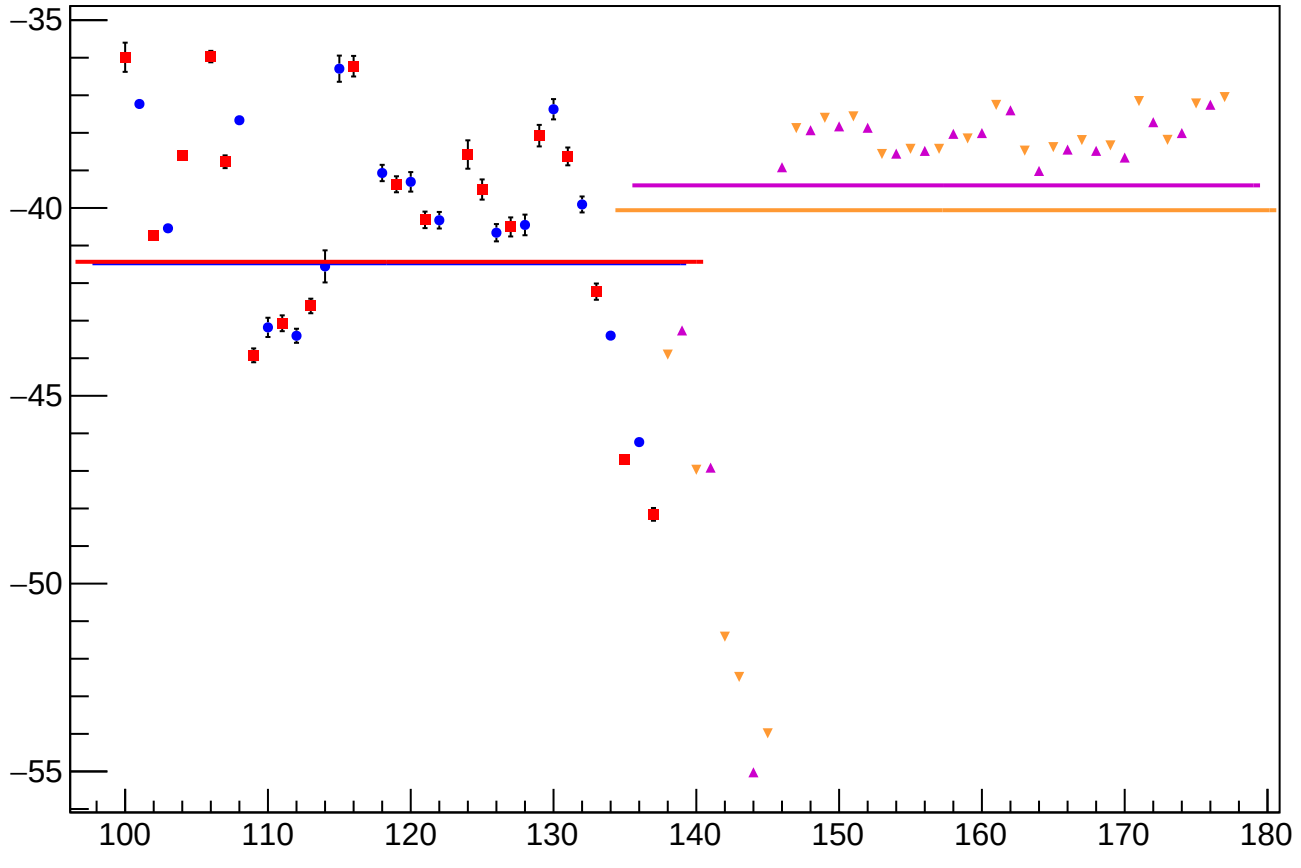
Left: 16.410+/-0.263 χ^2/NDF: 1622.7/39

Right: 2.881+/-0.511 χ^2/NDF: 590.5/34

In: 13.657+/-0.335 χ^2/NDF:1149.9/34

Out: 13.498+/-0.326 χ^2/NDF:1617.4/39

All: 13.575+/-0.234 χ^2/NDF: 2767.4/74



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -40.060+/-0.017 χ^2/NDF:79663.7/20

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

Left In: -39.398+/-0.017 χ^2/NDF:45268.5/18

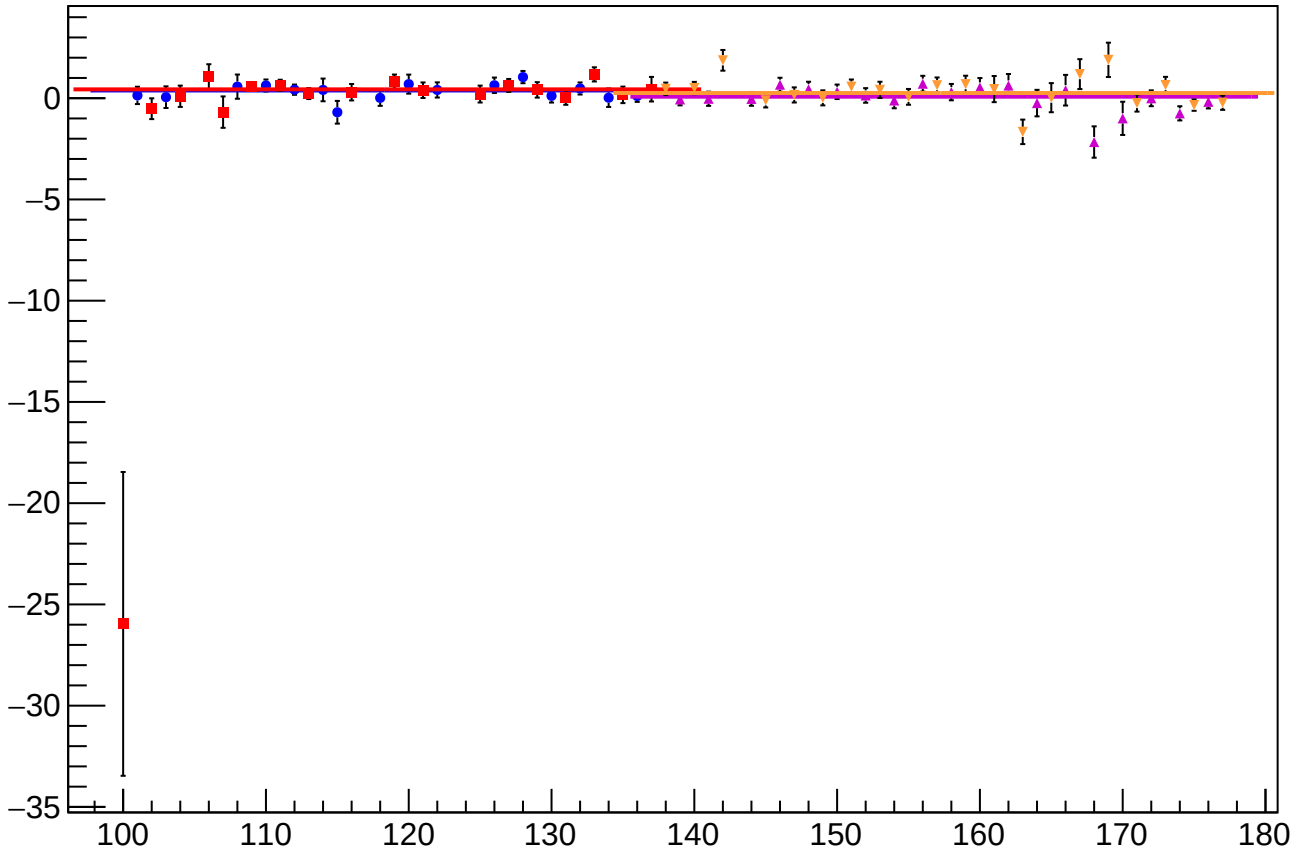
Left: -39.734+/-0.012 χ^2/NDF: 125689.3/39

Right: -41.453+/-0.027 χ^2/NDF: 16137.9/34

In: -39.746+/-0.016 χ^2/NDF:55643.9/34

Out: -40.272+/-0.016 χ^2/NDF:88910.4/39

All: -40.011+/-0.011 χ^2/NDF: 145123.3/74



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.256+/-0.090 χ^2/NDF:40.1/19

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

Left In: 0.075+/-0.092 χ^2/NDF:26.7/18

Left: 0.168+/-0.064 χ^2/NDF: 68.7/38

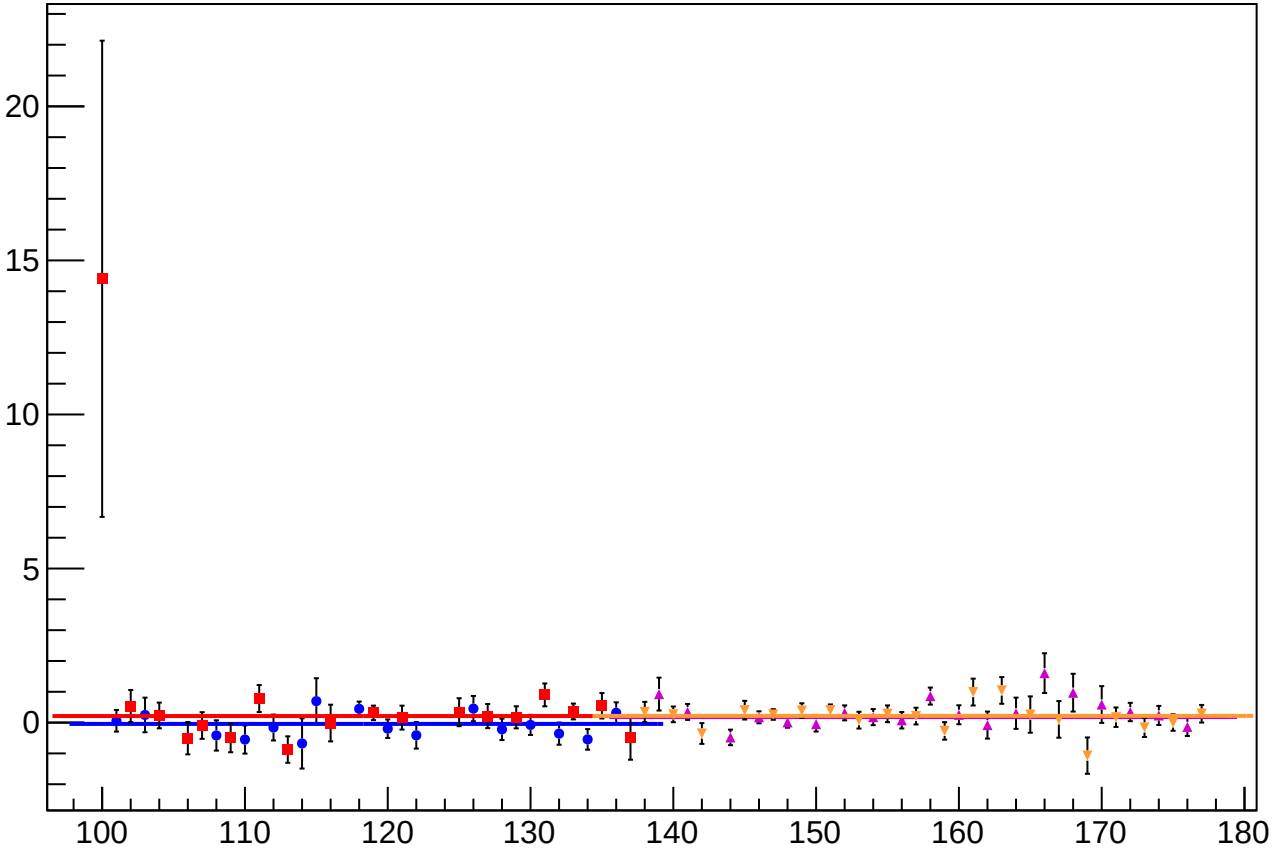
Right: 0.410+/-0.064 χ^2/NDF: 43.2/33

In: 0.229+/-0.065 χ^2/NDF:46.2/34

Out: 0.346+/-0.064 χ^2/NDF:71.1/37

All: 0.289+/-0.046 χ^2/NDF: 119.0/72

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.218+/-0.064 χ^2/NDF:22.1/19

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

Left In: 0.180+/-0.066 χ^2/NDF:26.6/18

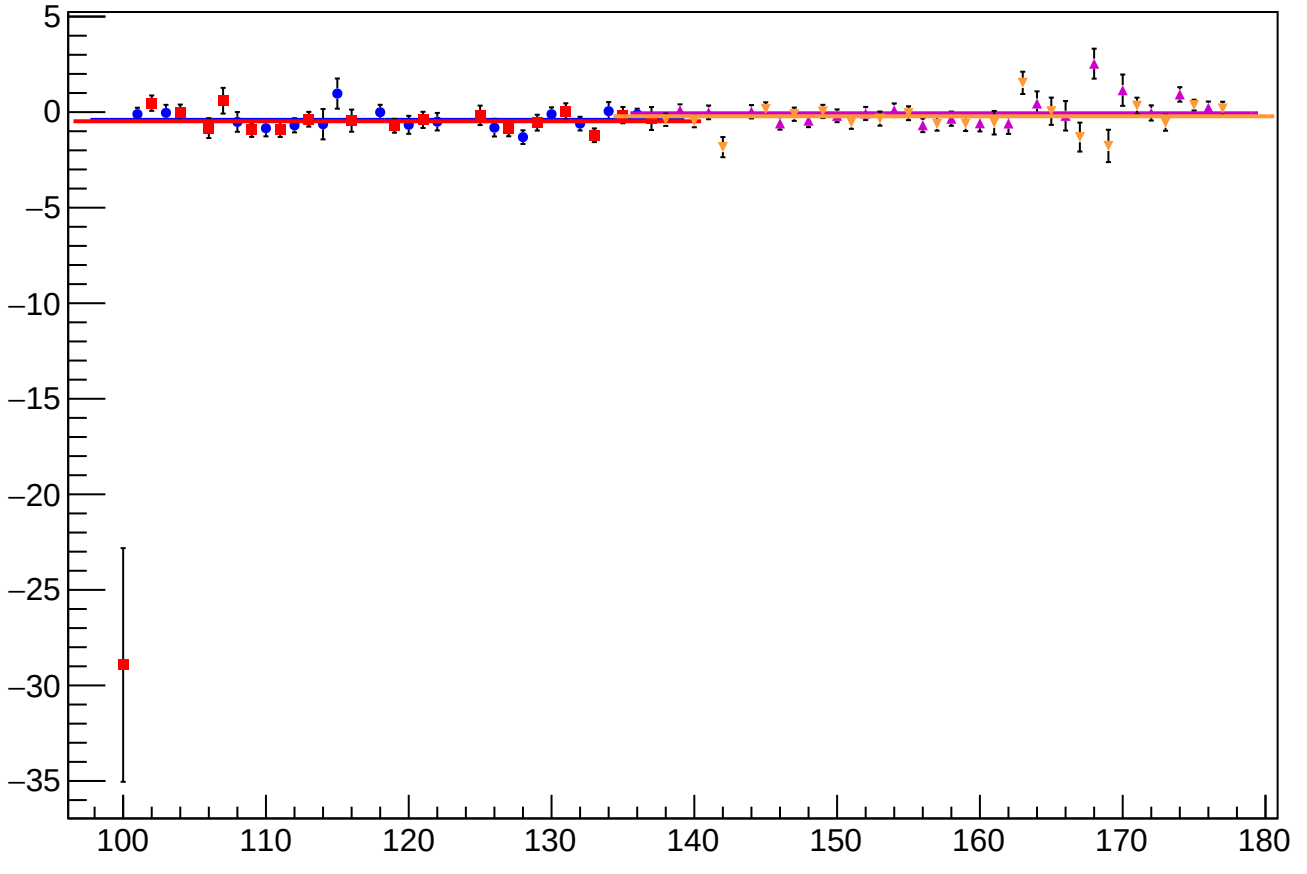
Left: 0.199+/-0.046 χ^2/NDF: 48.9/38

Right: 0.084+/-0.067 χ^2/NDF: 41.1/33

In: 0.107+/-0.054 χ^2/NDF:45.4/34

Out: 0.216+/-0.053 χ^2/NDF:44.5/37

All: 0.162+/-0.038 χ^2/NDF: 92.0/72



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.217+/-0.088 χ^2/NDF:38.5/19

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

Left In: -0.062+/-0.090 χ^2/NDF:31.9/18

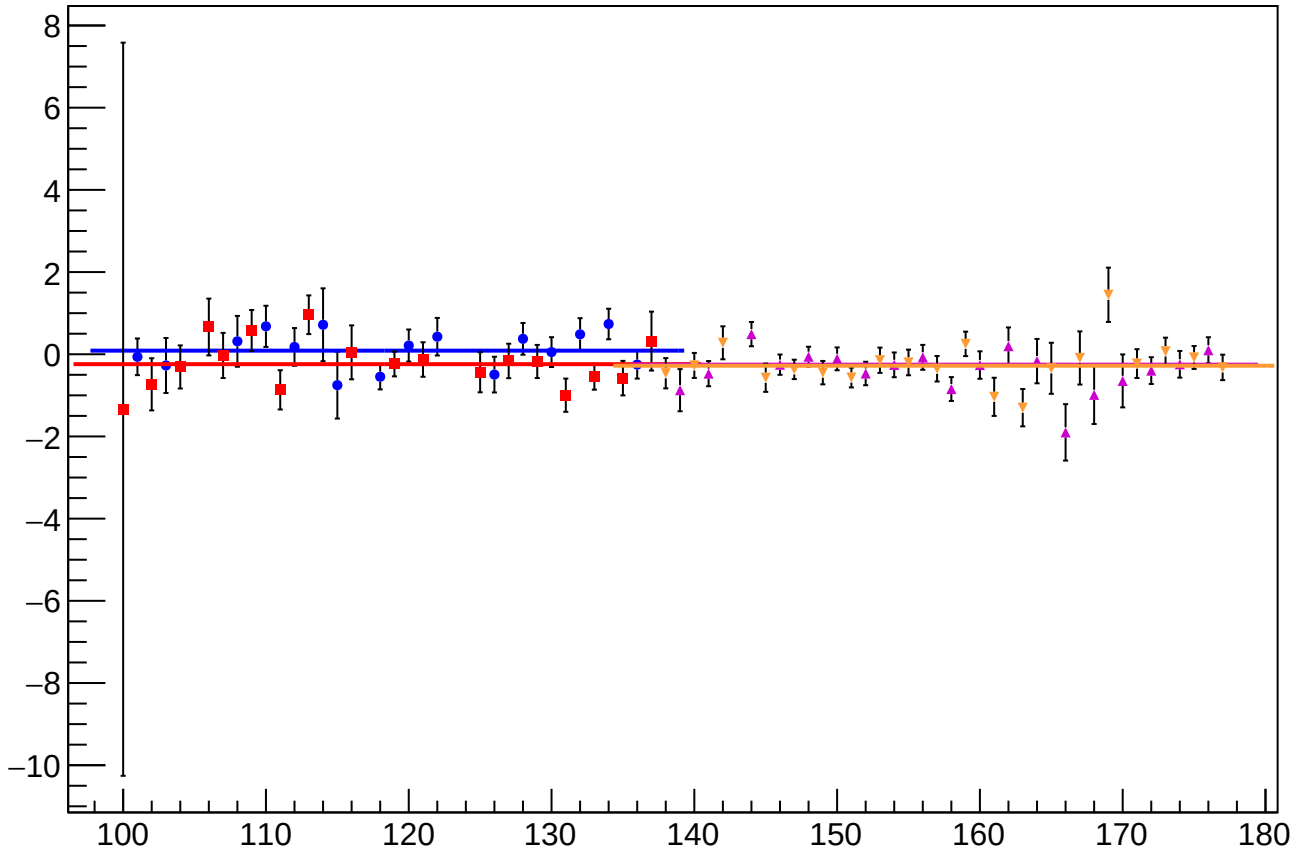
Left: -0.141+/-0.063 χ^2/NDF: 71.9/38

Right: -0.441+/-0.073 χ^2/NDF: 60.3/33

In: -0.211+/-0.068 χ^2/NDF:56.0/34

Out: -0.326+/-0.067 χ^2/NDF:84.4/37

All: -0.269+/-0.048 χ^2/NDF: 141.8/72



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.279+/-0.074 χ^2/NDF:24.6/19

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

Left In: -0.254+/-0.076 χ^2/NDF:23.9/18

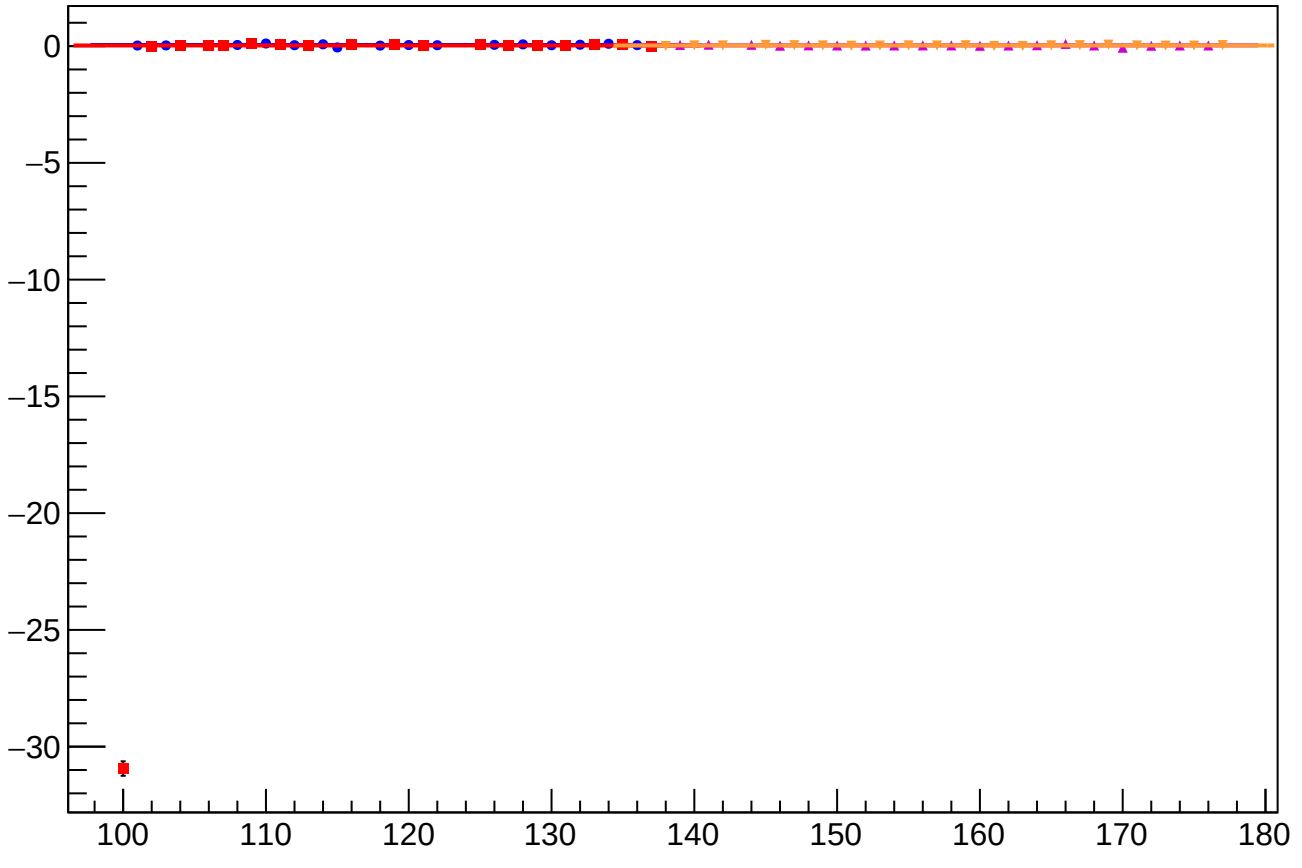
Left: -0.267+/-0.053 χ^2/NDF: 48.6/38

Right: -0.075+/-0.077 χ^2/NDF: 40.0/33

In: -0.140+/-0.062 χ^2/NDF:46.4/34

Out: -0.267+/-0.062 χ^2/NDF:44.3/37

All: -0.204+/-0.044 χ^2/NDF: 92.9/72



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.028+/-0.003 χ^2/NDF:13.8/19

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

Left In: 0.032+/-0.003 χ^2/NDF:30.4/18

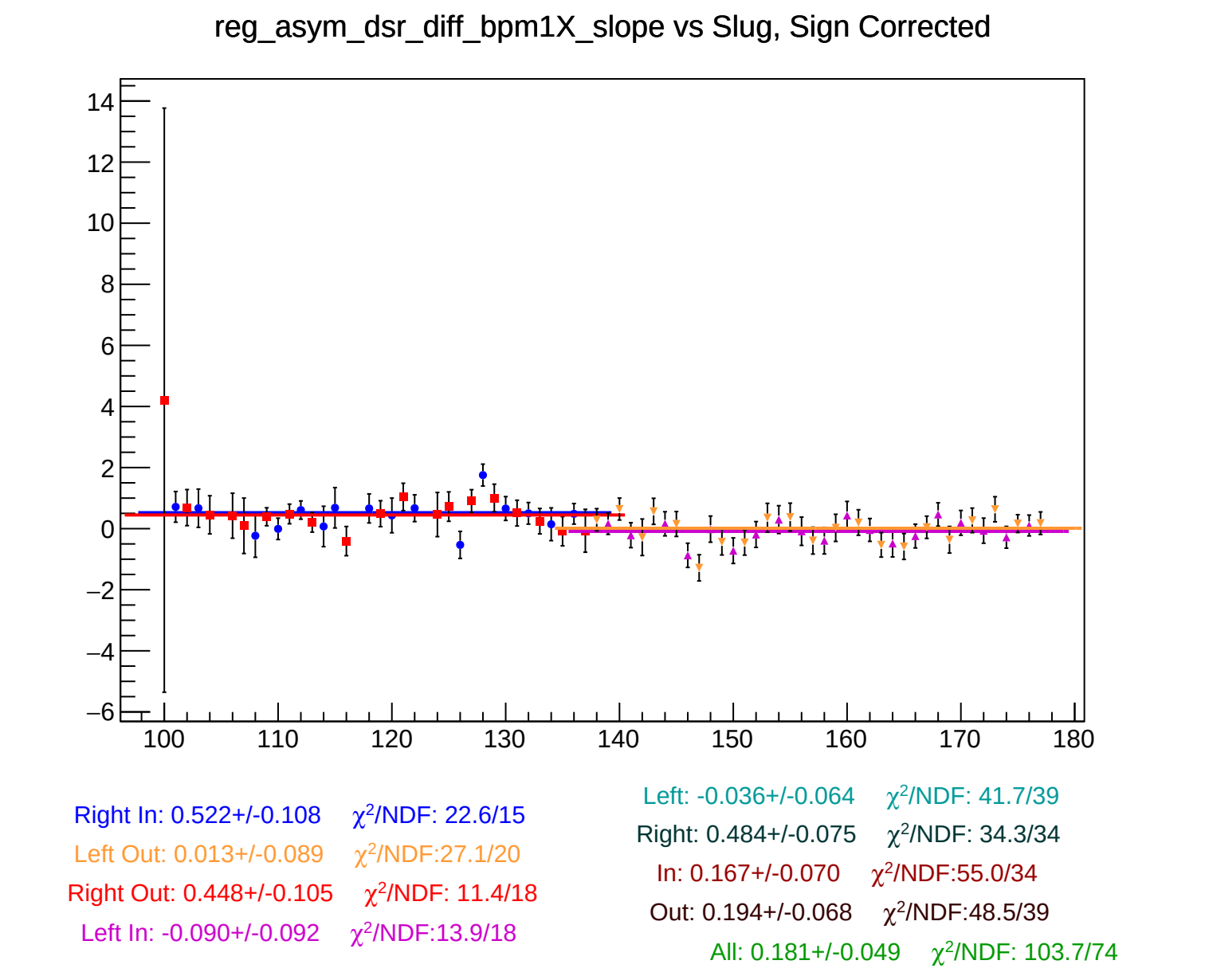
Left: 0.030+/-0.002 χ^2/NDF: 45.0/38

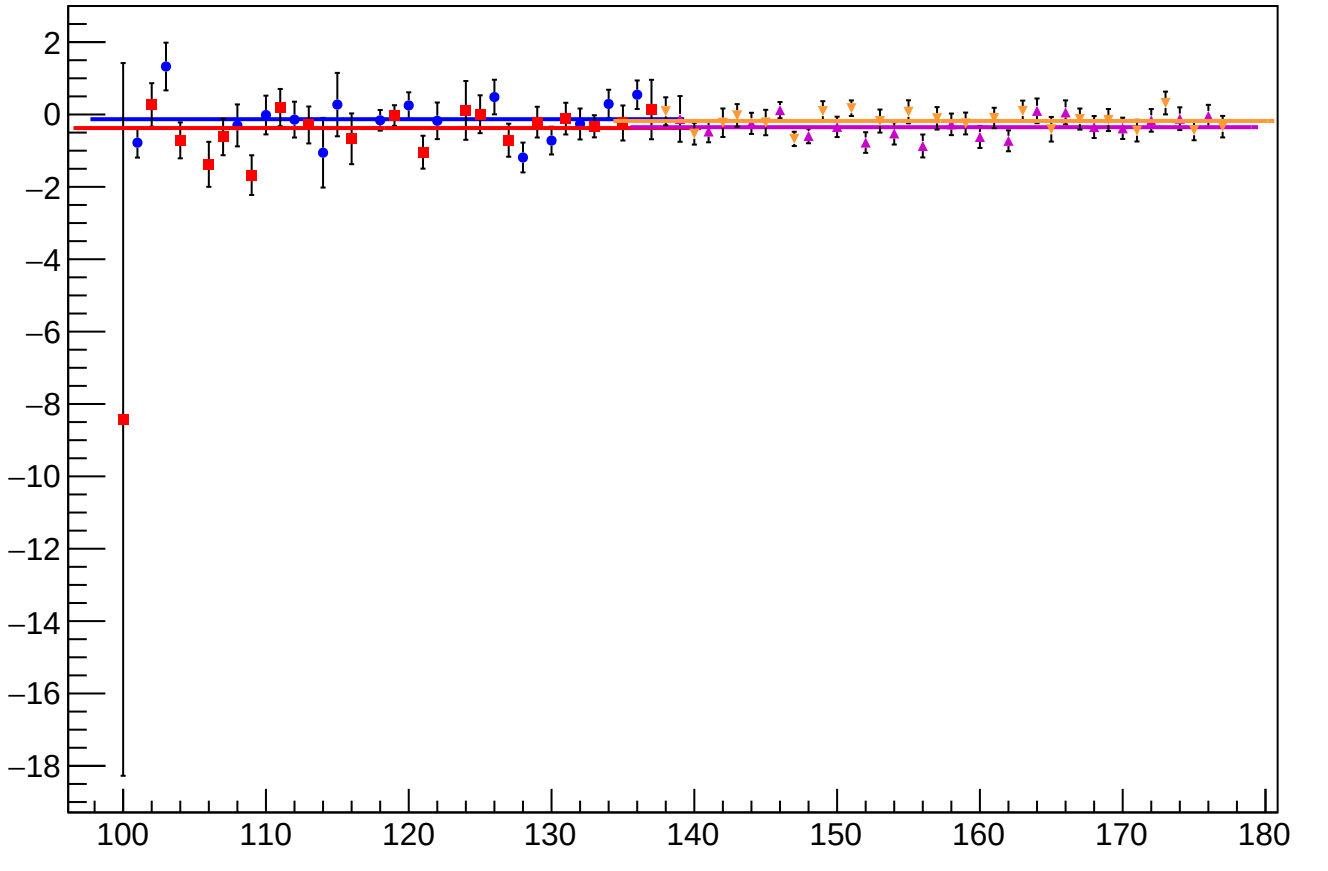
Right: 0.038+/-0.004 χ^2/NDF: 10045.5/33

In: 0.036+/-0.003 χ^2/NDF:54.9/34

Out: 0.028+/-0.003 χ^2/NDF:10034.7/37

All: 0.032+/-0.002 χ^2/NDF: 10093.1/72


reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected
14
12
10
8
6
4
2
0
−2
−4
−6
100
110
120
130
140
150
160
170
180
Right In: 0.522+/-0.108 χ²/NDF: 22.6/15
Left Out: 0.013+/-0.089 χ²/NDF:27.1/20
Right Out: 0.448+/-0.105 χ²/NDF: 11.4/18
Left In: -0.090+/-0.092 χ²/NDF:13.9/18
Left: -0.036+/-0.064 χ²/NDF: 41.7/39
Right: 0.484+/-0.075 χ²/NDF: 34.3/34
In: 0.167+/-0.070 χ²/NDF:55.0/34
Out: 0.194+/-0.068 χ²/NDF:48.5/39
All: 0.181+/-0.049 χ²/NDF: 103.7/74



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.179+/-0.064 χ^2/NDF:18.7/20

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

Left In: -0.351+/-0.067 χ^2/NDF:19.2/18

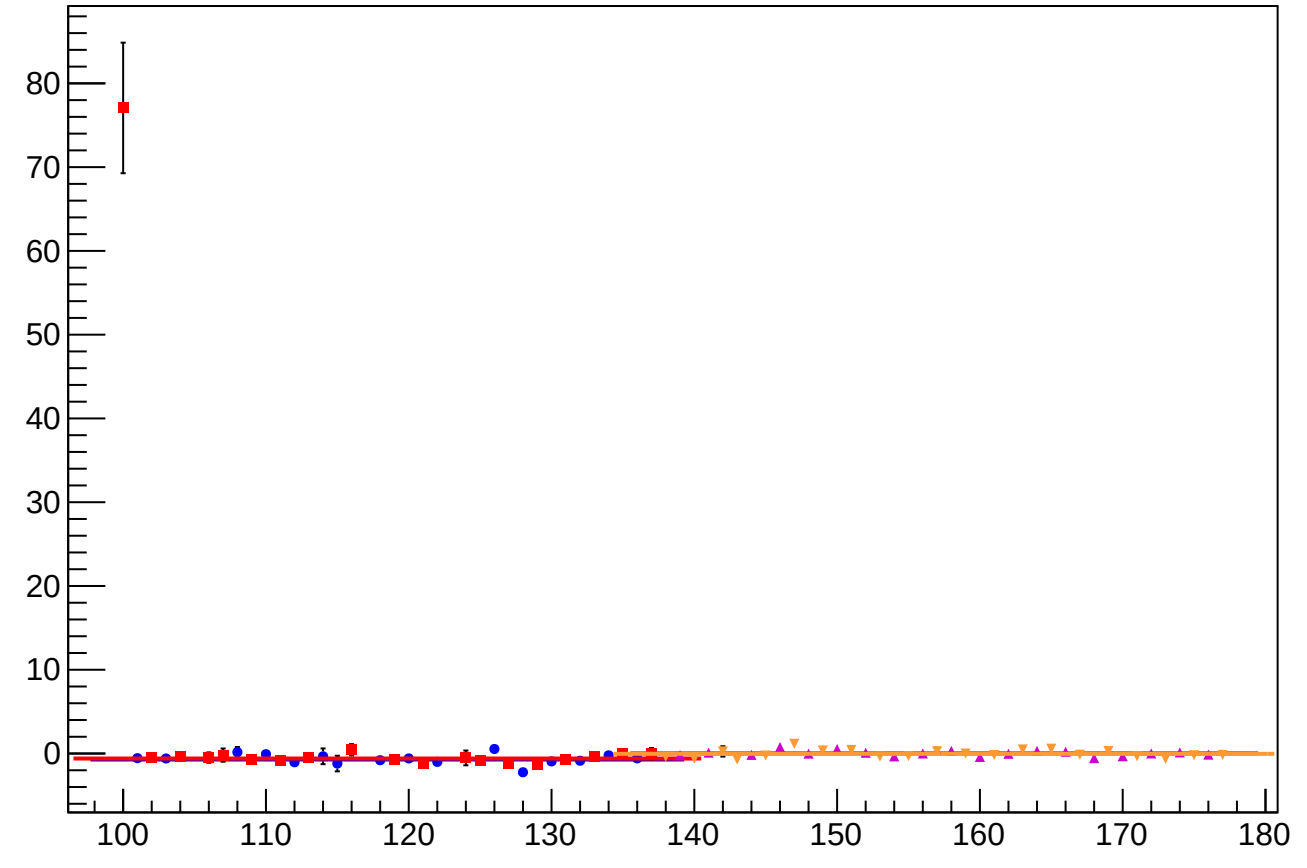
Left: -0.260+/-0.046 χ^2/NDF: 41.3/39

Right: -0.253+/-0.079 χ^2/NDF: 45.2/34

In: -0.292+/-0.058 χ^2/NDF:46.6/34

Out: -0.227+/-0.055 χ^2/NDF:39.2/39

All: -0.258+/-0.040 χ^2/NDF: 86.5/74



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: -0.037+/-0.087 χ^2/NDF:26.8/20

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

Left In: 0.021+/-0.091 χ^2/NDF:12.4/18

Left: -0.009+/-0.063 χ^2/NDF: 39.5/39

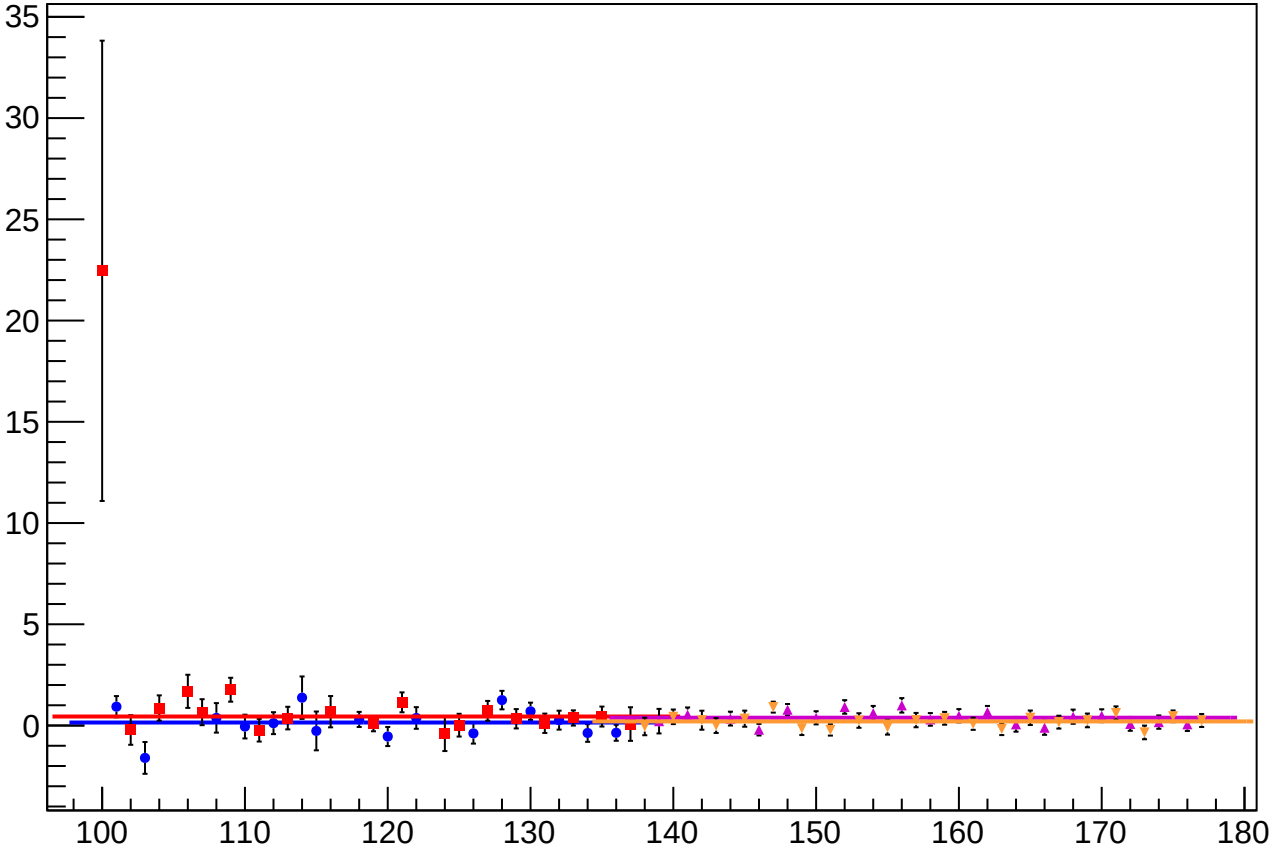
Right: -0.655+/-0.086 χ^2/NDF: 136.3/34

In: -0.242+/-0.073 χ^2/NDF:60.7/34

Out: -0.227+/-0.071 χ^2/NDF:151.8/39

All: -0.234+/-0.051 χ^2/NDF: 212.5/74

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.202+/-0.073 χ^2/NDF:19.1/20

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

Left In: 0.385+/-0.077 χ^2/NDF:18.5/18

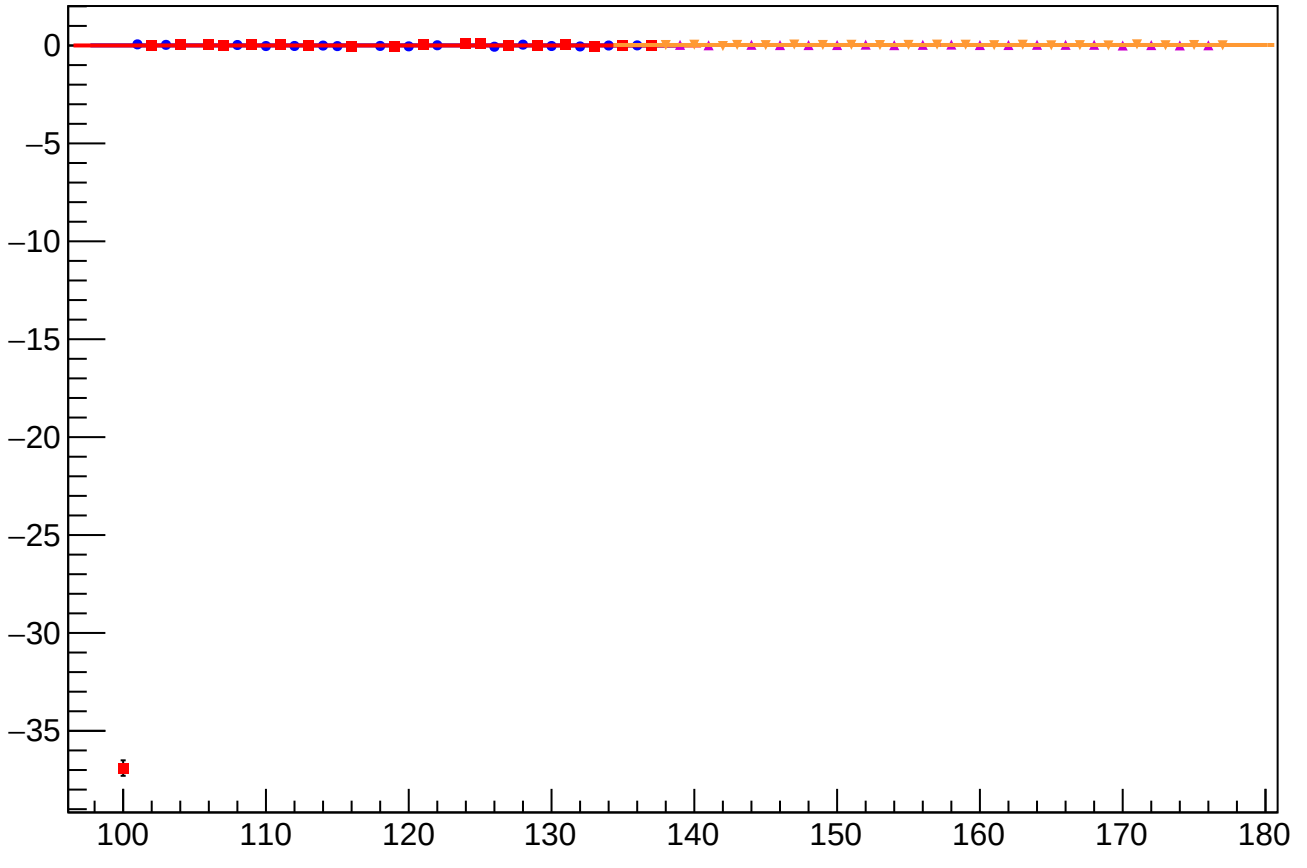
Left: 0.289+/-0.053 χ^2/NDF: 40.5/39

Right: 0.296+/-0.090 χ^2/NDF: 45.7/34

In: 0.322+/-0.066 χ^2/NDF:44.2/34

Out: 0.261+/-0.063 χ^2/NDF:41.5/39

All: 0.291+/-0.046 χ^2/NDF: 86.2/74



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.026+/-0.003 χ^2/NDF:23.4/20

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

Left In: 0.026+/-0.003 χ^2/NDF:14.1/18

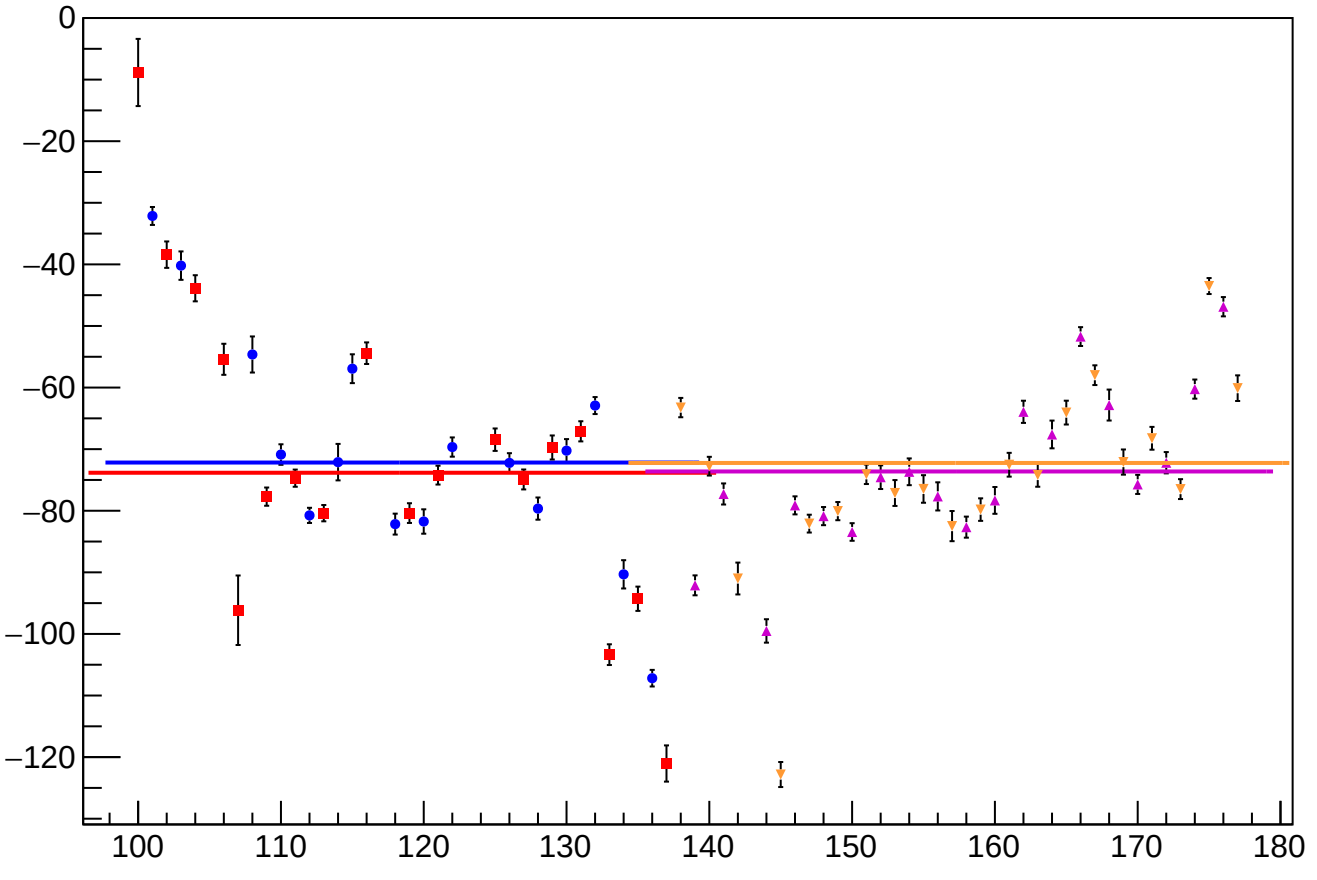
Left: 0.026+/-0.002 χ^2/NDF: 37.4/39

Right: 0.004+/-0.005 χ^2/NDF: 8771.0/34

In: 0.023+/-0.003 χ^2/NDF:37.7/34

Out: 0.022+/-0.003 χ^2/NDF:8785.4/39

All: 0.023+/-0.002 χ^2/NDF: 8823.1/74



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -72.240+/-0.395 χ^2/NDF:1458.6/19

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

Left In: -73.623+/-0.398 χ^2/NDF:1069.8/18

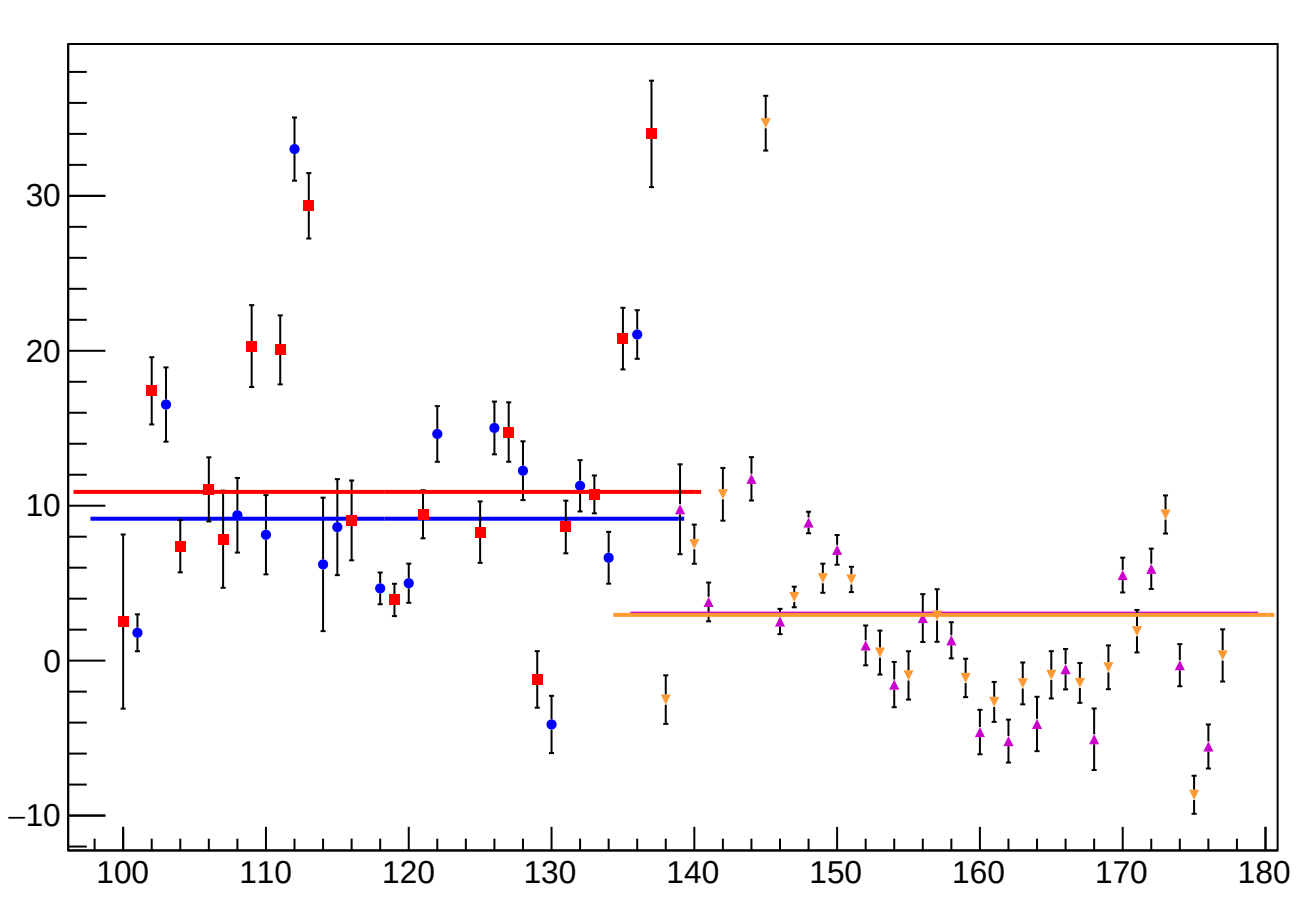
Left: -72.927+/-0.281 χ^2/NDF: 2534.5/38

Right: -73.004+/-0.305 χ^2/NDF: 3501.0/33

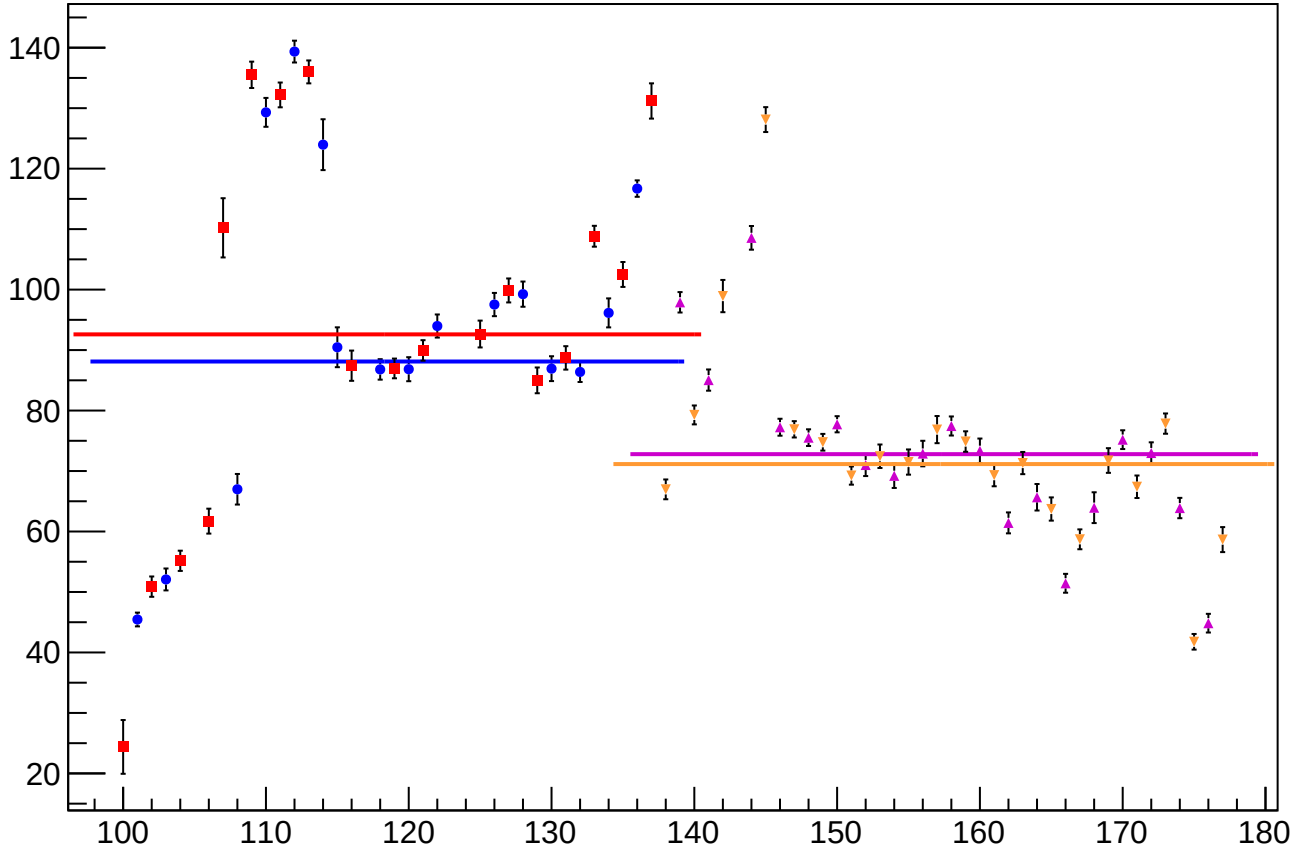
In: -72.957+/-0.293 χ^2/NDF:3011.8/34

Out: -72.967+/-0.291 χ^2/NDF:3023.7/37

All: -72.962+/-0.206 χ^2/NDF: 6035.6/72


reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
100
110
120
130
140
150
160
170
180
Right In: 9.161+/-0.425 χ²/NDF: 352.1/15
Left Out: 2.953+/-0.273 χ²/NDF:579.5/19
Right Out: 10.892+/-0.440 χ²/NDF: 290.2/17
Left In: 3.036+/-0.280 χ²/NDF:306.0/18
Left: 2.993+/-0.196 χ²/NDF: 885.6/38
Right: 9.996+/-0.306 χ²/NDF: 650.3/33
In: 4.890+/-0.234 χ²/NDF:802.9/34
Out: 5.162+/-0.232 χ²/NDF:1104.5/37
All: 5.027+/-0.165 χ²/NDF: 1908.1/72

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 88.109+/-0.469 χ^2/NDF: 3561.7/15

Left Out: 71.150+/-0.387 χ^2/NDF:1592.6/19

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

Left In: 72.790+/-0.390 χ^2/NDF:1254.9/18

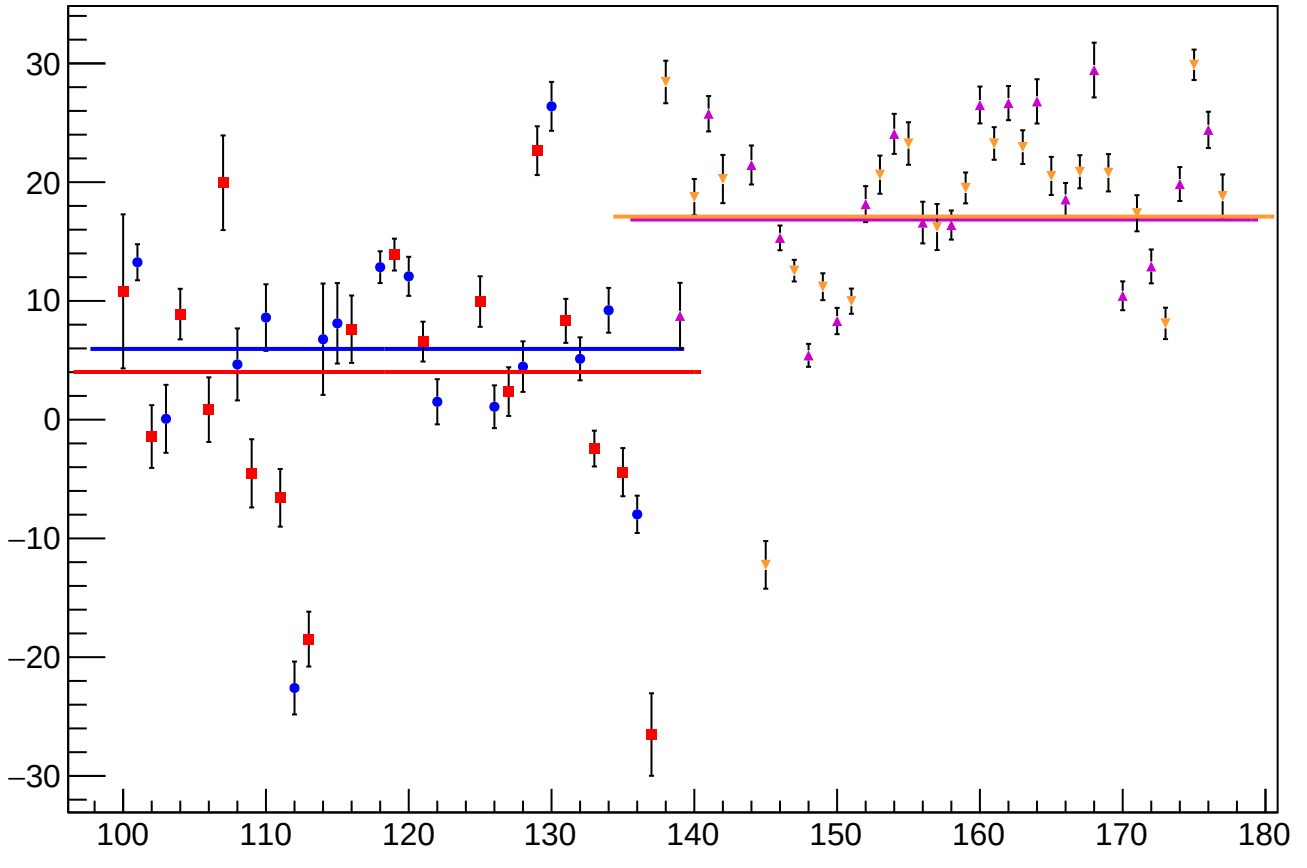
Left: 71.964+/-0.275 χ^2/NDF: 2856.4/38

Right: 90.284+/-0.336 χ^2/NDF: 6817.1/33

In: 79.065+/-0.300 χ^2/NDF:5447.5/34

Out: 79.539+/-0.302 χ^2/NDF:6003.3/37

All: 79.300+/-0.213 χ^2/NDF: 11452.0/72



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 17.103+/-0.318 χ^2/NDF:576.0/19

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

Left In: 16.855+/-0.324 χ^2/NDF:482.2/18

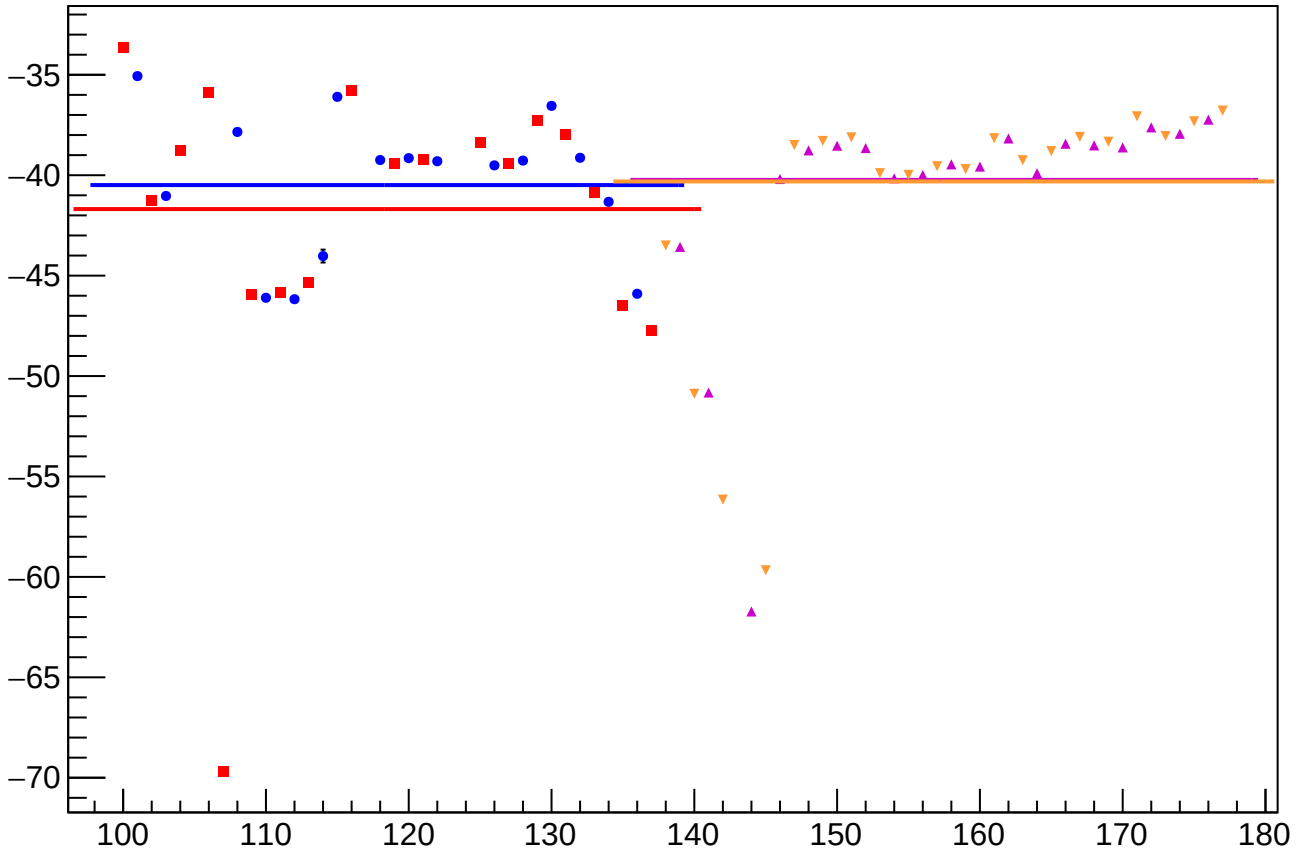
Left: 16.981+/-0.227 χ^2/NDF: 1058.5/38

Right: 5.016+/-0.355 χ^2/NDF: 851.9/33

In: 13.580+/-0.271 χ^2/NDF:1248.4/34

Out: 13.441+/-0.270 χ^2/NDF:1468.6/37

All: 13.510+/-0.191 χ^2/NDF: 2717.1/72



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -40.310+/-0.015 χ^2/NDF:119455.9/19

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

Left In: -40.233+/-0.015 χ^2/NDF:95640.8/18

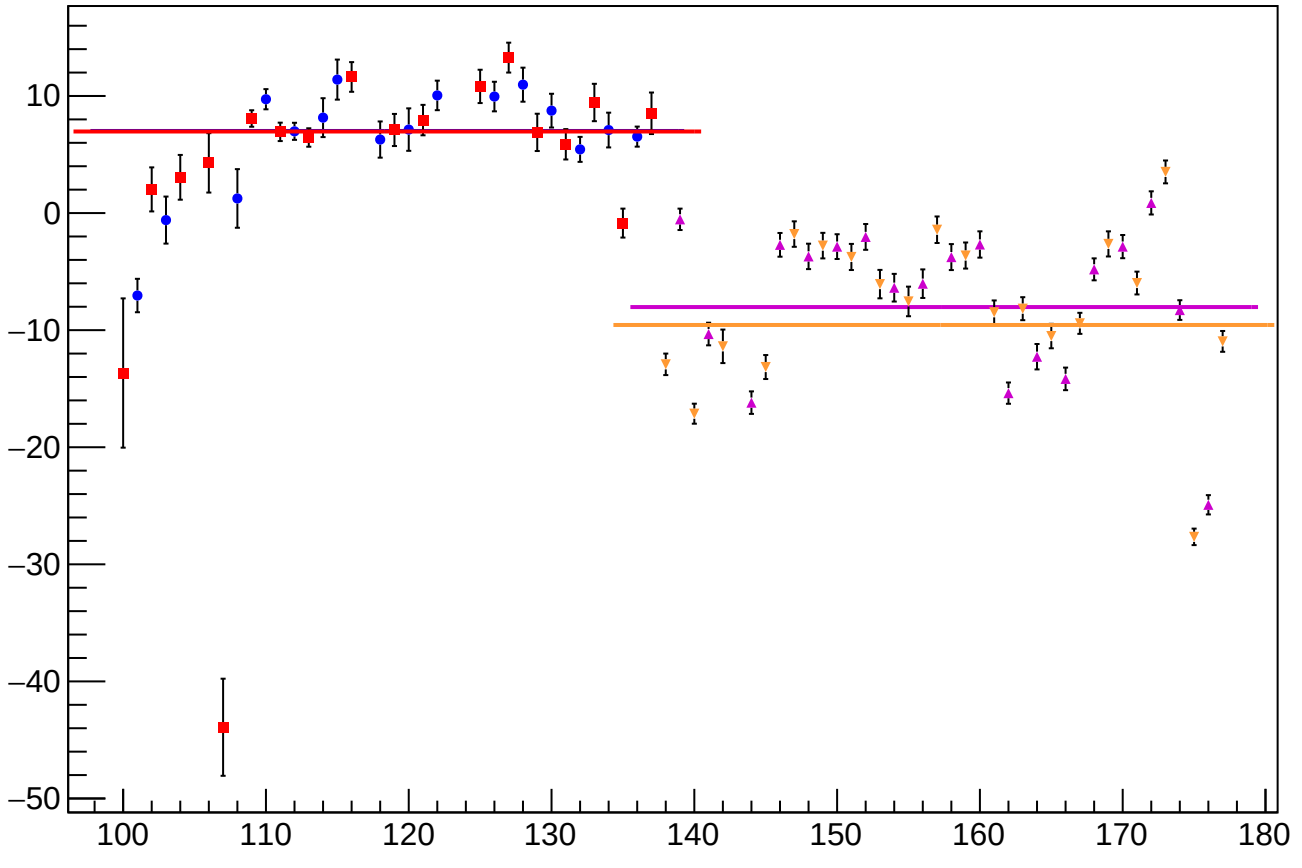
Left: -40.271+/-0.010 χ^2/NDF: 215110.2/38

Right: -41.069+/-0.020 χ^2/NDF: 55825.2/33

In: -40.288+/-0.013 χ^2/NDF:113831.4/34

Out: -40.590+/-0.013 χ^2/NDF:158055.8/37

All: -40.437+/-0.009 χ^2/NDF: 272152.6/72



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -9.558+/-0.225 χ^2/NDF:1214.7/19

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

Left In: -8.028+/-0.229 χ^2/NDF:944.2/18

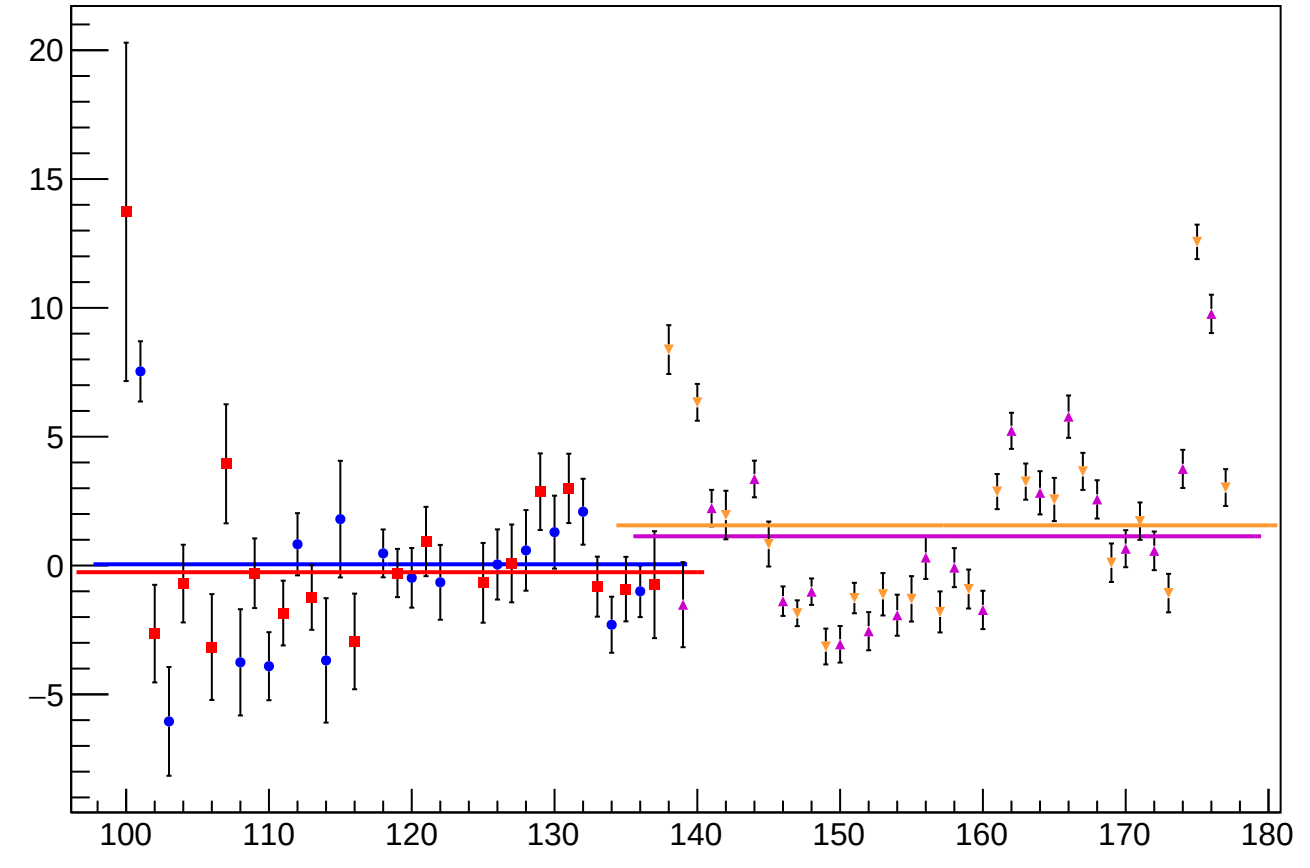
Left: -8.807+/-0.160 χ^2/NDF: 2181.6/38

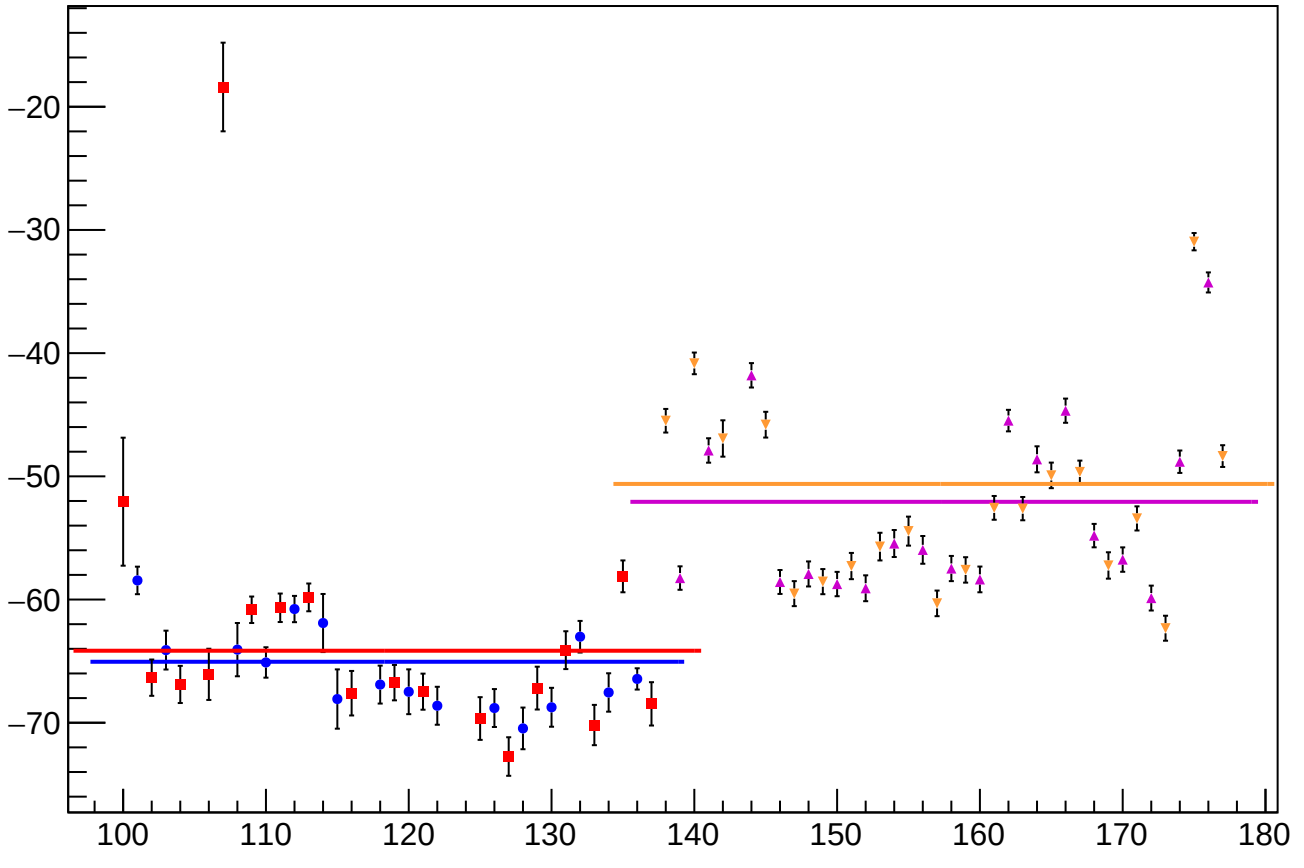
Right: 6.988+/-0.215 χ^2/NDF: 422.3/33

In: -2.704+/-0.184 χ^2/NDF:2628.1/34

Out: -3.571+/-0.179 χ^2/NDF:3439.2/37

All: -3.148+/-0.128 χ^2/NDF: 6078.7/72


reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
100
110
120
130
140
150
160
170
180
Right In: 0.048+/-0.331 χ²/NDF: 75.0/15
Left Out: 1.560+/-0.163 χ²/NDF:572.0/19
Right Out: -0.259+/-0.344 χ²/NDF: 27.5/17
Left In: 1.136+/-0.168 χ²/NDF:366.1/18
Left: 1.354+/-0.117 χ²/NDF: 941.4/38
Right: -0.099+/-0.239 χ²/NDF: 102.9/33
In: 0.915+/-0.149 χ²/NDF:449.7/34
Out: 1.228+/-0.147 χ²/NDF:622.3/37
All: 1.074+/-0.105 χ²/NDF: 1074.2/72



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -50.616+/-0.221 χ^2/NDF:1500.3/19

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

Left In: -52.069+/-0.226 χ^2/NDF:1127.4/18

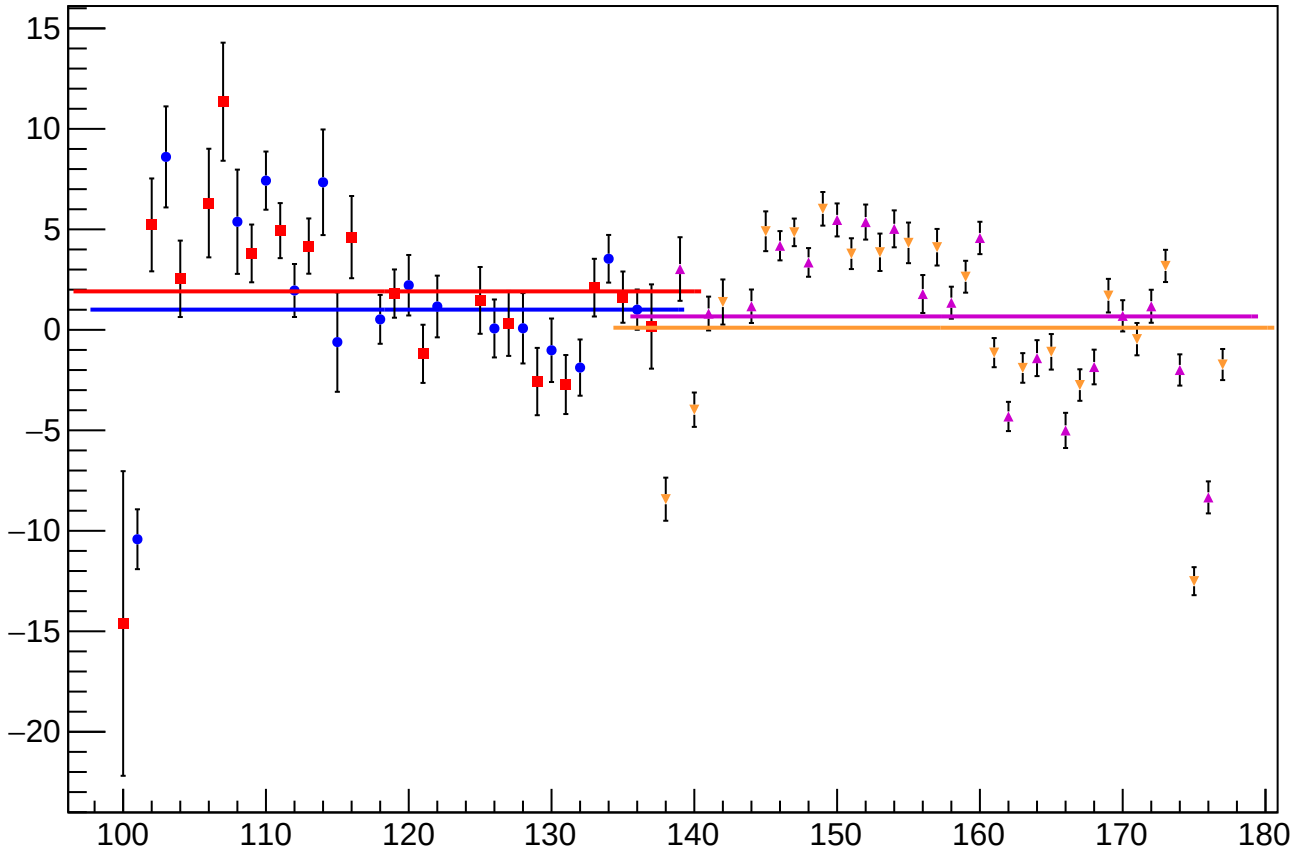
Left: -51.328+/-0.158 χ^2/NDF: 2648.8/38

Right: -64.611+/-0.253 χ^2/NDF: 399.6/33

In: -55.817+/-0.190 χ^2/NDF:2176.8/34

Out: -54.319+/-0.189 χ^2/NDF:2829.1/37

All: -55.062+/-0.134 χ^2/NDF: 5037.1/72



Right In: 1.006+/-0.376 χ^2/NDF: 109.2/15

Left Out: 0.106+/-0.185 χ^2/NDF:672.3/19

Right Out: 1.914+/-0.390 χ^2/NDF: 54.5/17

Left In: 0.668+/-0.191 χ^2/NDF:393.9/18

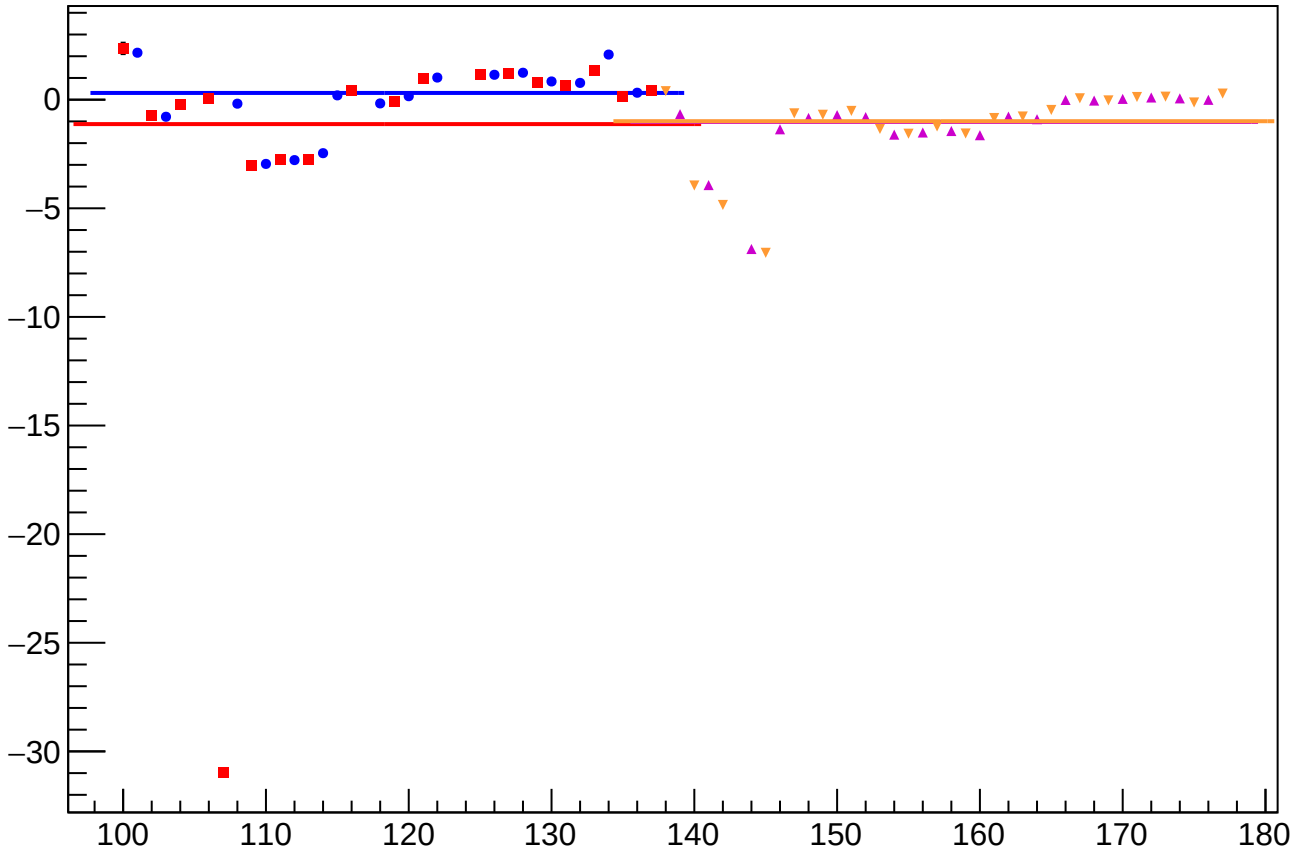
Left: 0.379+/-0.133 χ^2/NDF: 1070.7/38

Right: 1.443+/-0.270 χ^2/NDF: 166.5/33

In: 0.737+/-0.170 χ^2/NDF:503.8/34

Out: 0.439+/-0.167 χ^2/NDF:744.3/37

All: 0.586+/-0.119 χ^2/NDF: 1249.7/72



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -0.991+/-0.008 χ^2/NDF:39897.0/19

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

Left In: -1.024+/-0.008 χ^2/NDF:29518.9/18

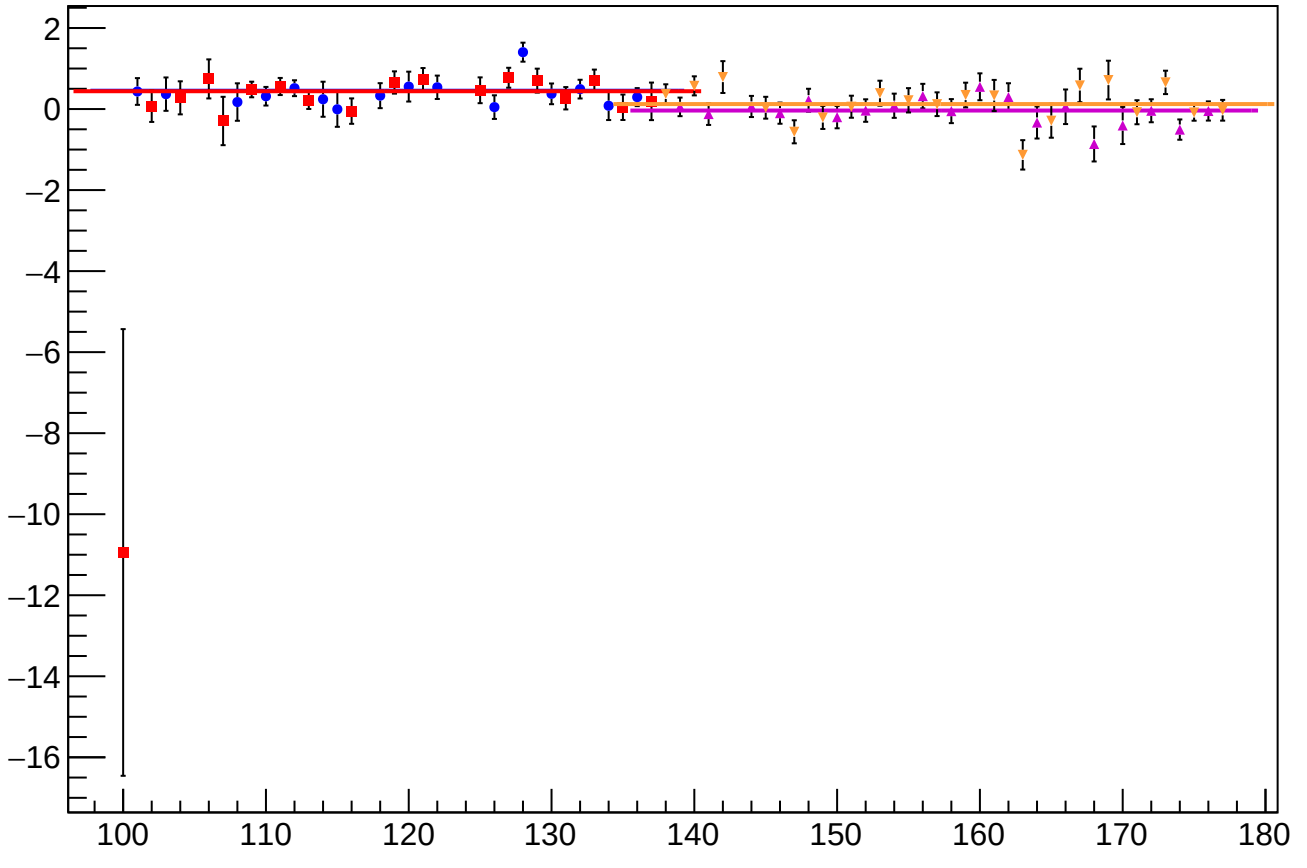
Left: -1.007+/-0.006 χ^2/NDF: 69423.8/38

Right: -0.369+/-0.015 χ^2/NDF: 53391.3/33

In: -0.842+/-0.008 χ^2/NDF:37833.1/34

Out: -1.007+/-0.008 χ^2/NDF:86276.3/37

All: -0.924+/-0.006 χ^2/NDF: 124334.3/72



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.123+/-0.066 χ^2/NDF:37.6/19

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

Left In: -0.037+/-0.067 χ^2/NDF:15.7/18

Left: 0.045+/-0.047 χ^2/NDF: 56.1/38

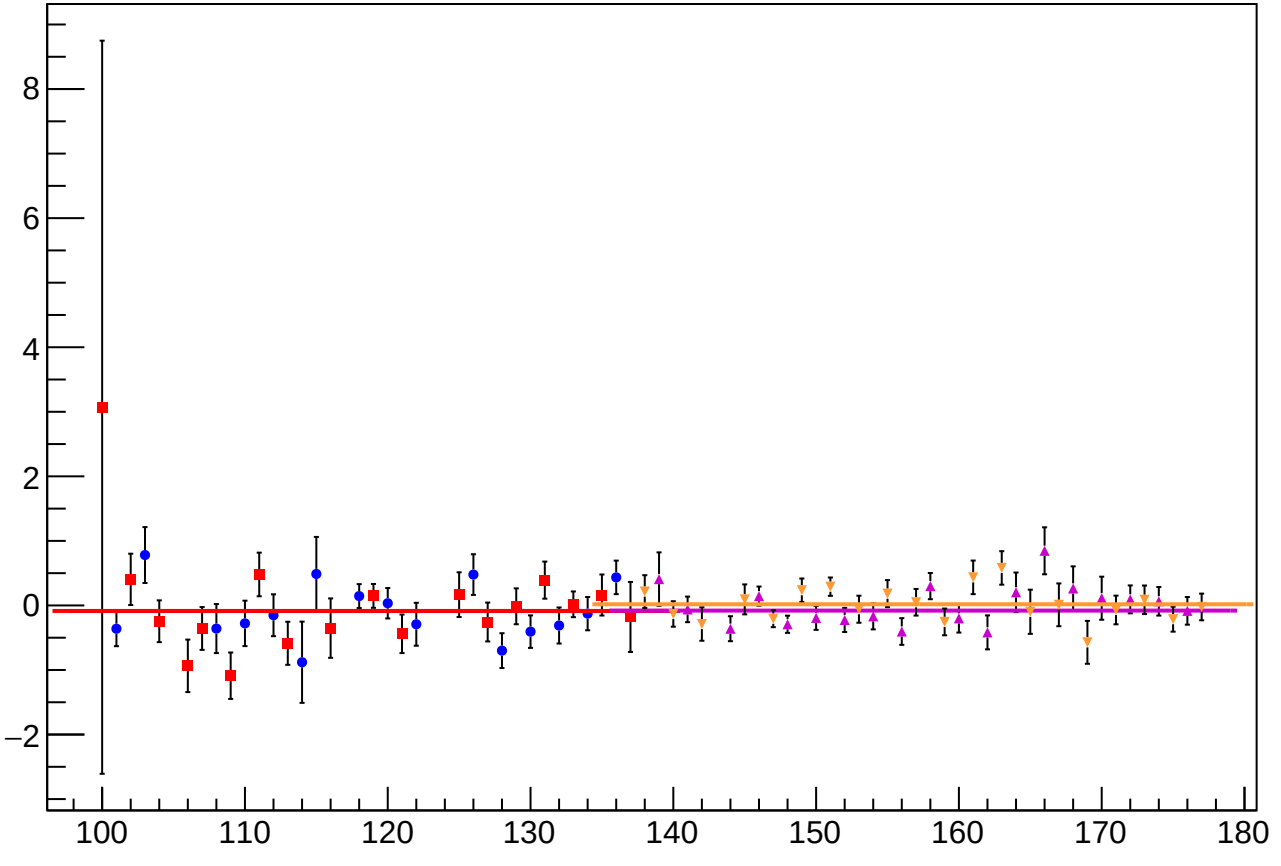
Right: 0.446+/-0.050 χ^2/NDF: 41.2/33

In: 0.194+/-0.049 χ^2/NDF:63.2/34

Out: 0.272+/-0.048 χ^2/NDF:67.1/37

All: 0.234+/-0.034 χ^2/NDF: 131.6/72

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: 0.018+/-0.047 χ^2/NDF:25.5/19

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

Left In: -0.080+/-0.049 χ^2/NDF:27.1/18

Left: -0.029+/-0.034 χ^2/NDF: 54.7/38

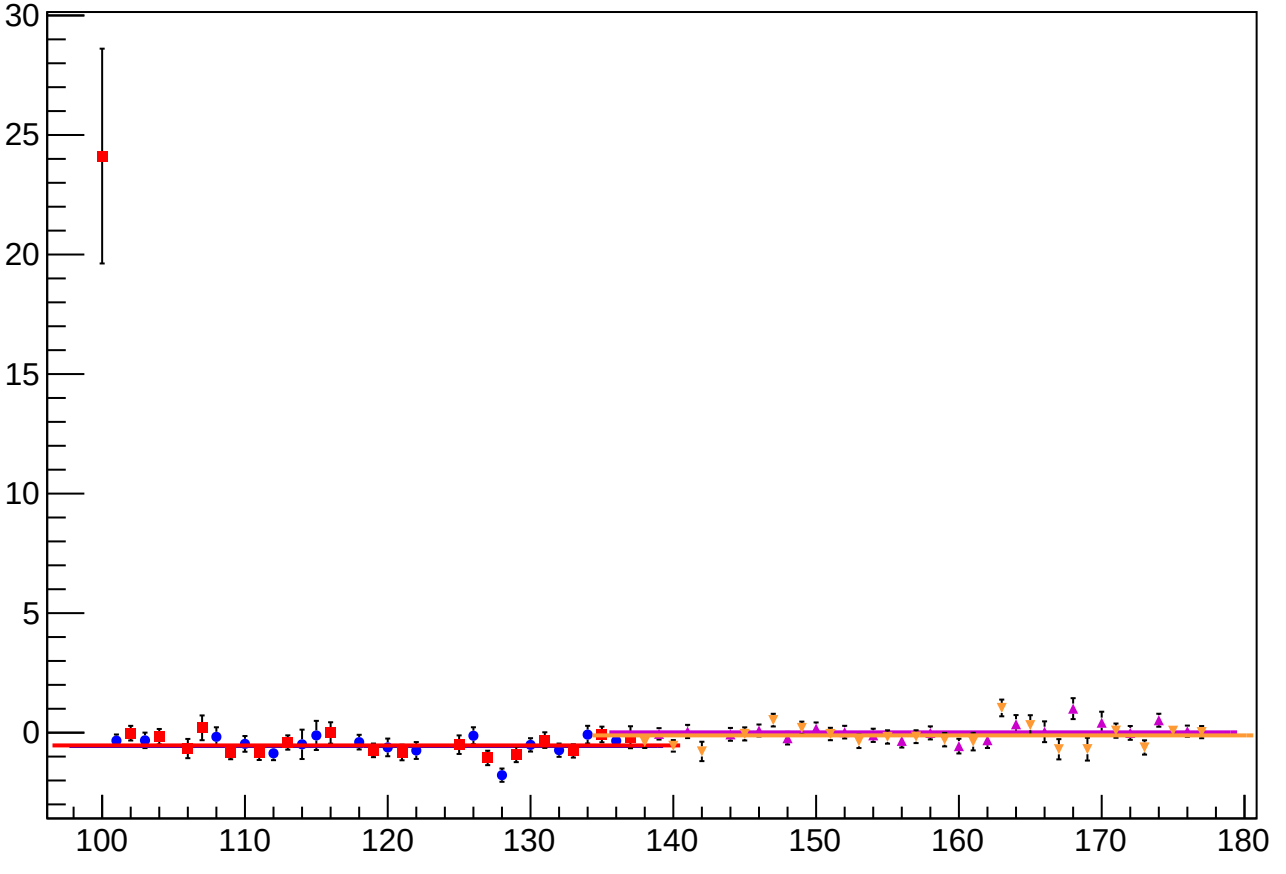
Right: -0.086+/-0.052 χ^2/NDF: 53.3/33

In: -0.082+/-0.040 χ^2/NDF:52.5/34

Out: -0.012+/-0.040 χ^2/NDF:54.8/37

All: -0.046+/-0.028 χ^2/NDF: 108.8/72

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: -0.114+/-0.064 χ^2/NDF:35.9/19

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

Left In: 0.013+/-0.066 χ^2/NDF:18.1/18

Left: -0.052+/-0.046 χ^2/NDF: 55.9/38

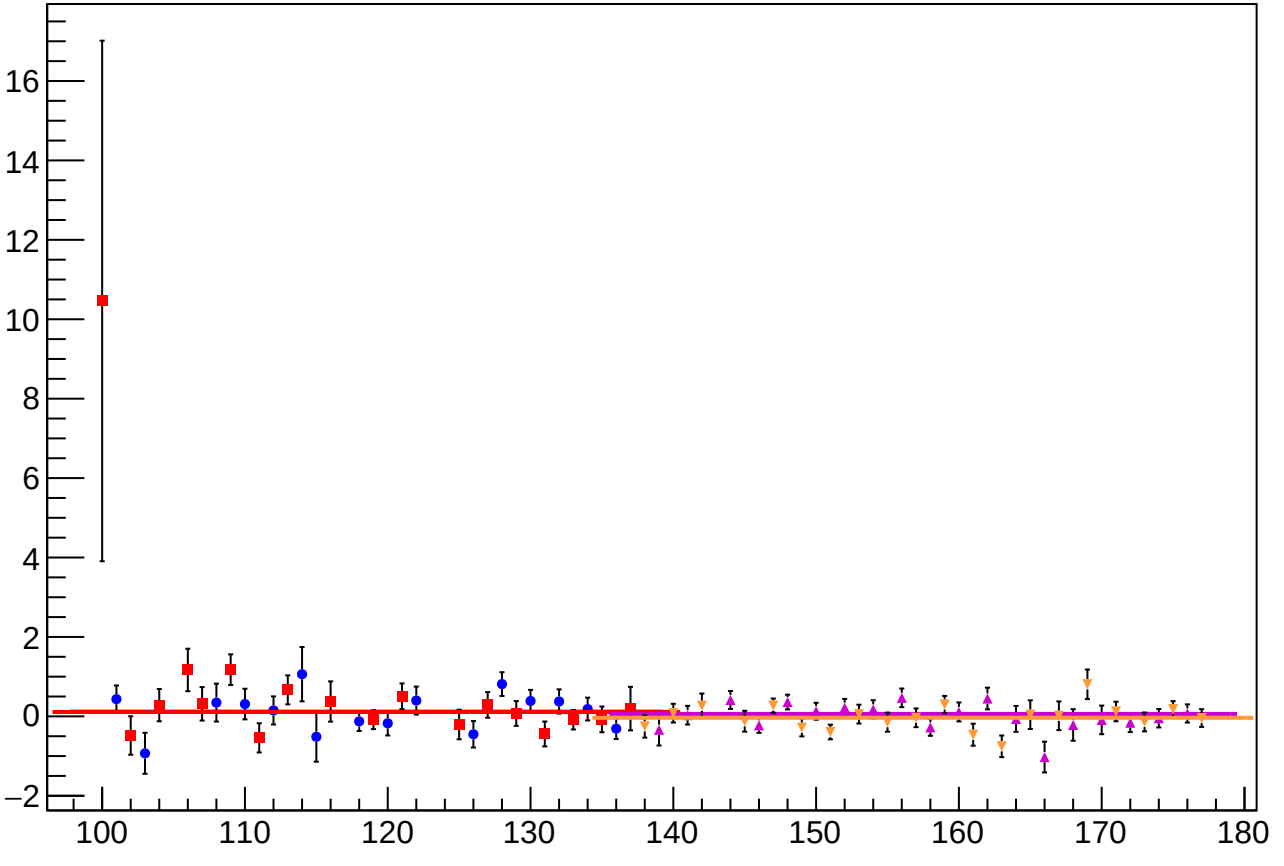
Right: -0.546+/-0.057 χ^2/NDF: 77.6/33

In: -0.220+/-0.051 χ^2/NDF:76.8/34

Out: -0.278+/-0.050 χ^2/NDF:101.6/37

All: -0.249+/-0.036 χ^2/NDF: 179.1/72

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: -0.036+/-0.054 χ^2/NDF:28.9/19

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

Left In: 0.062+/-0.056 χ^2/NDF:26.6/18

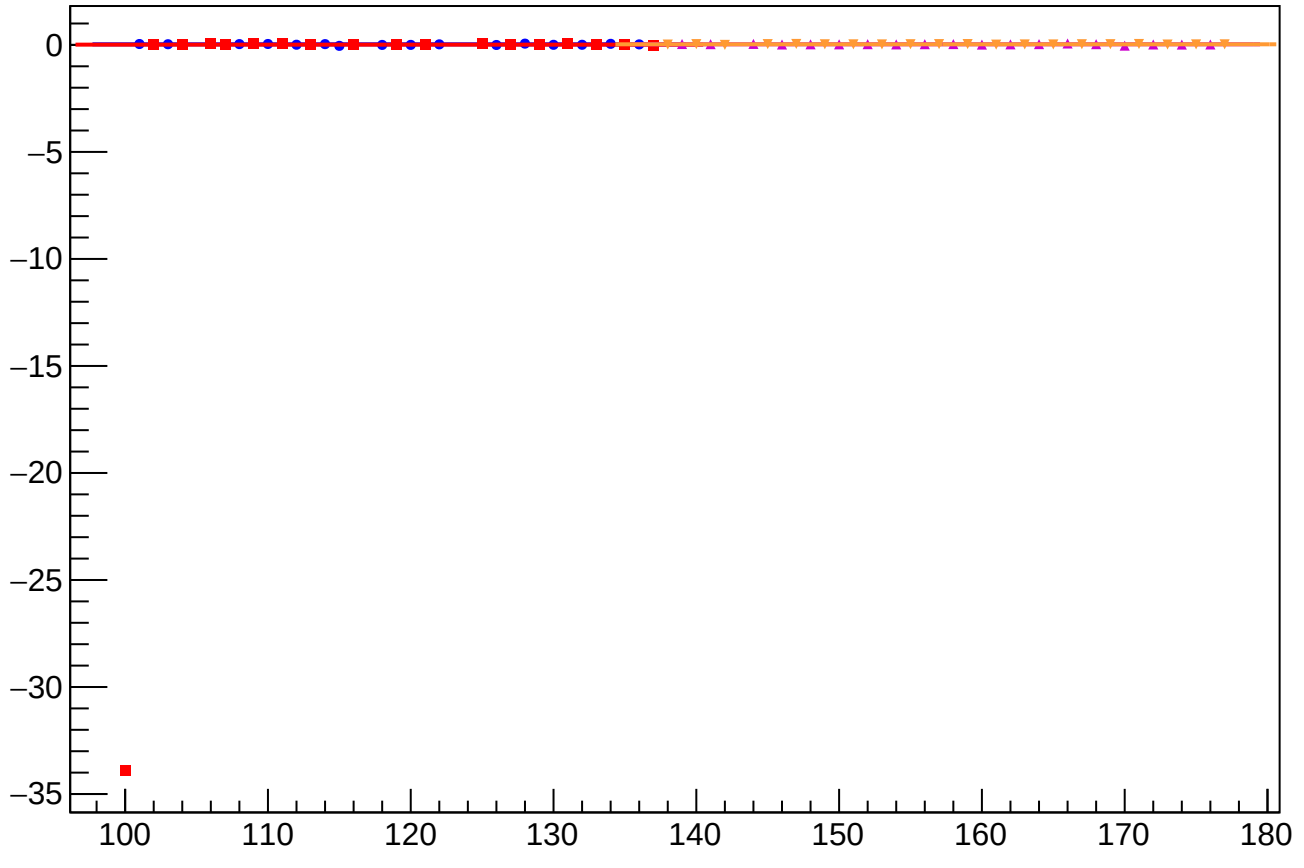
Left: 0.011+/-0.039 χ^2/NDF: 57.1/38

Right: 0.115+/-0.060 χ^2/NDF: 52.6/33

In: 0.079+/-0.047 χ^2/NDF:50.5/34

Out: 0.007+/-0.046 χ^2/NDF:60.1/37

All: 0.042+/-0.033 χ^2/NDF: 111.8/72



Right In: 0.027+/-0.005 χ^2/NDF: 14.7/15

Left Out: 0.028+/-0.002 χ^2/NDF:15.1/19

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

Left In: 0.029+/-0.002 χ^2/NDF:33.3/18

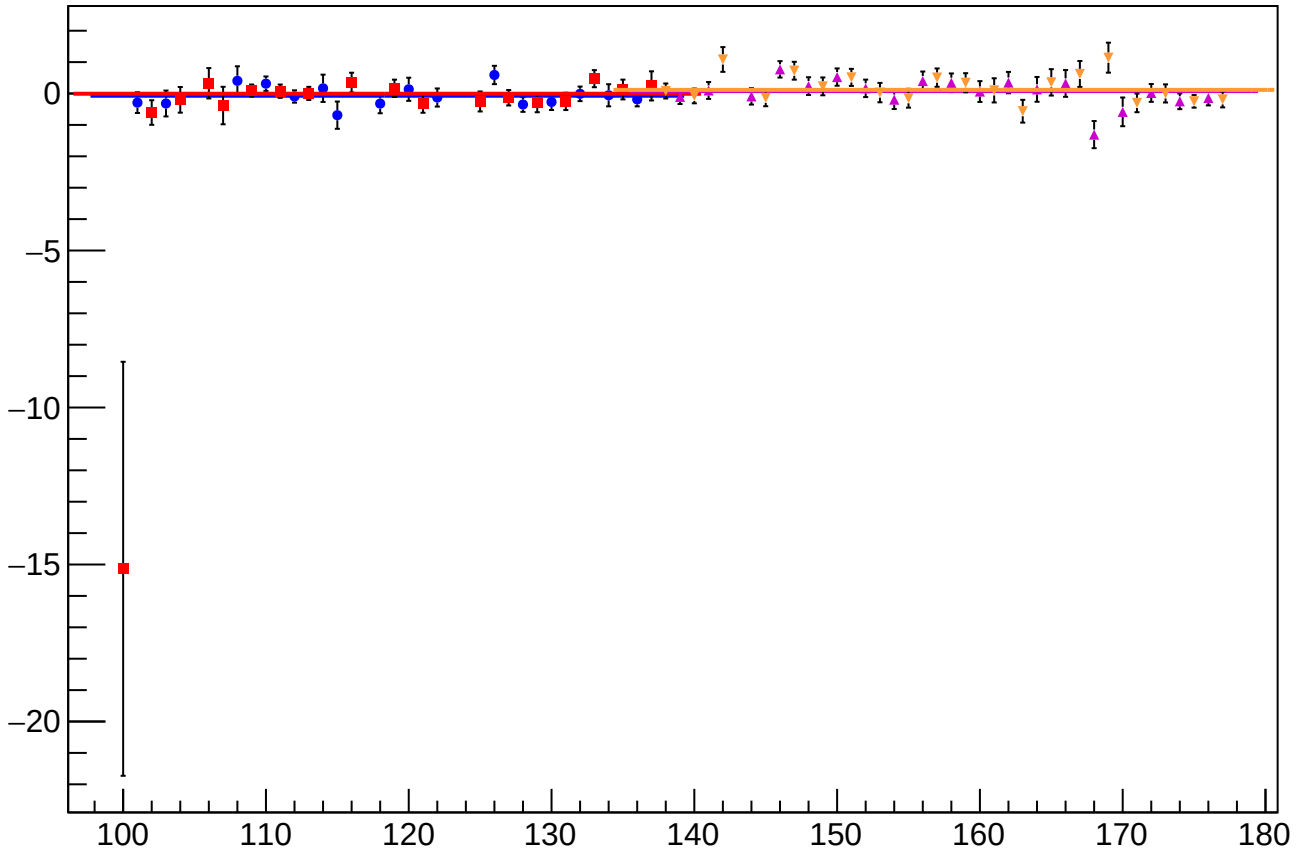
Left: 0.028+/-0.002 χ^2/NDF: 48.4/38

Right: 0.020+/-0.003 χ^2/NDF: 22281.9/33

In: 0.029+/-0.002 χ^2/NDF:48.0/34

Out: 0.025+/-0.002 χ^2/NDF:22285.8/37

All: 0.027+/-0.002 χ^2/NDF: 22335.3/72



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.116+/-0.066 χ^2/NDF:34.4/19

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

Left In: 0.079+/-0.067 χ^2/NDF:29.8/18

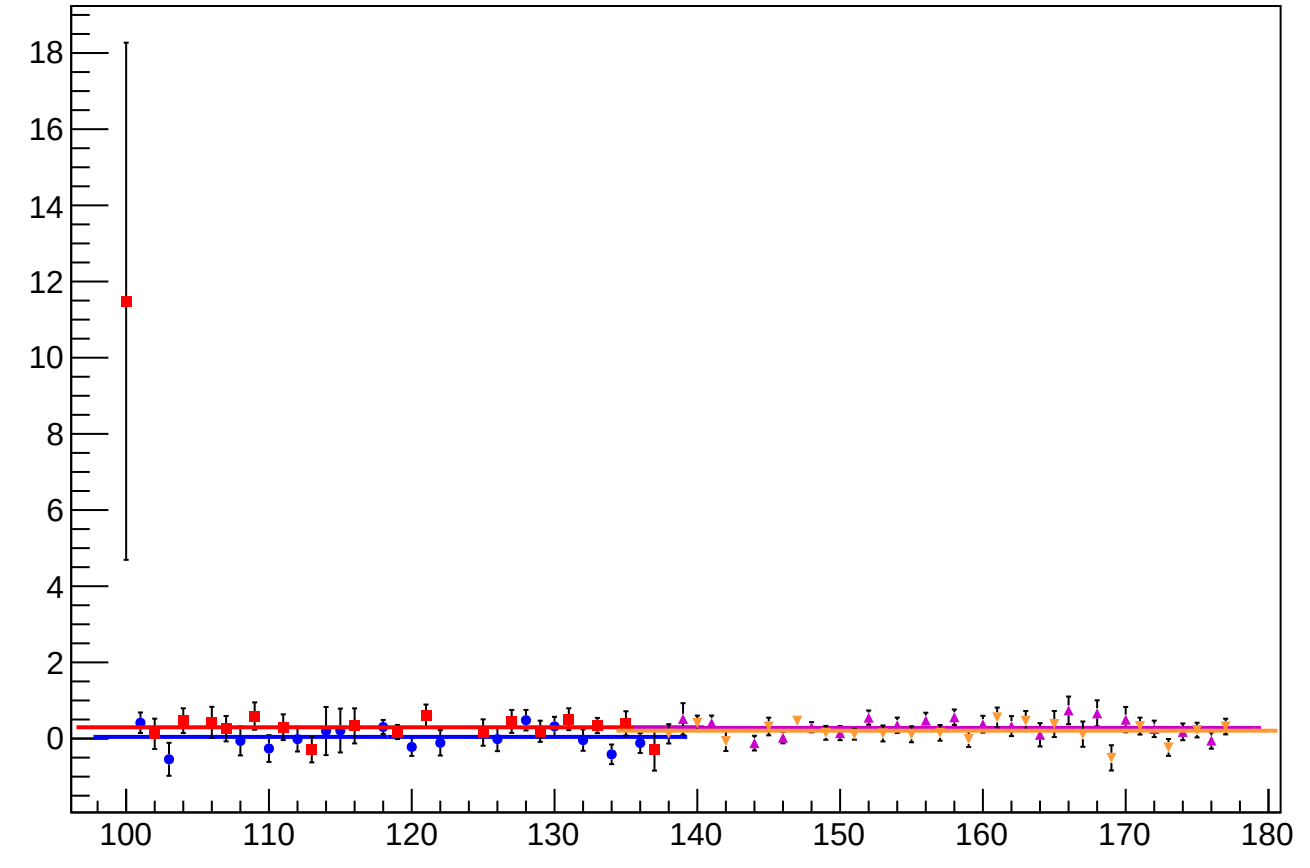
Left: 0.098+/-0.047 χ^2/NDF: 64.4/38

Right: -0.038+/-0.050 χ^2/NDF: 34.1/33

In: 0.008+/-0.049 χ^2/NDF:47.6/34

Out: 0.058+/-0.048 χ^2/NDF:54.2/37

All: 0.034+/-0.034 χ^2/NDF: 102.4/72



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.207+/-0.047 χ^2/NDF:20.8/19

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

Left In: 0.279+/-0.049 χ^2/NDF:20.0/18

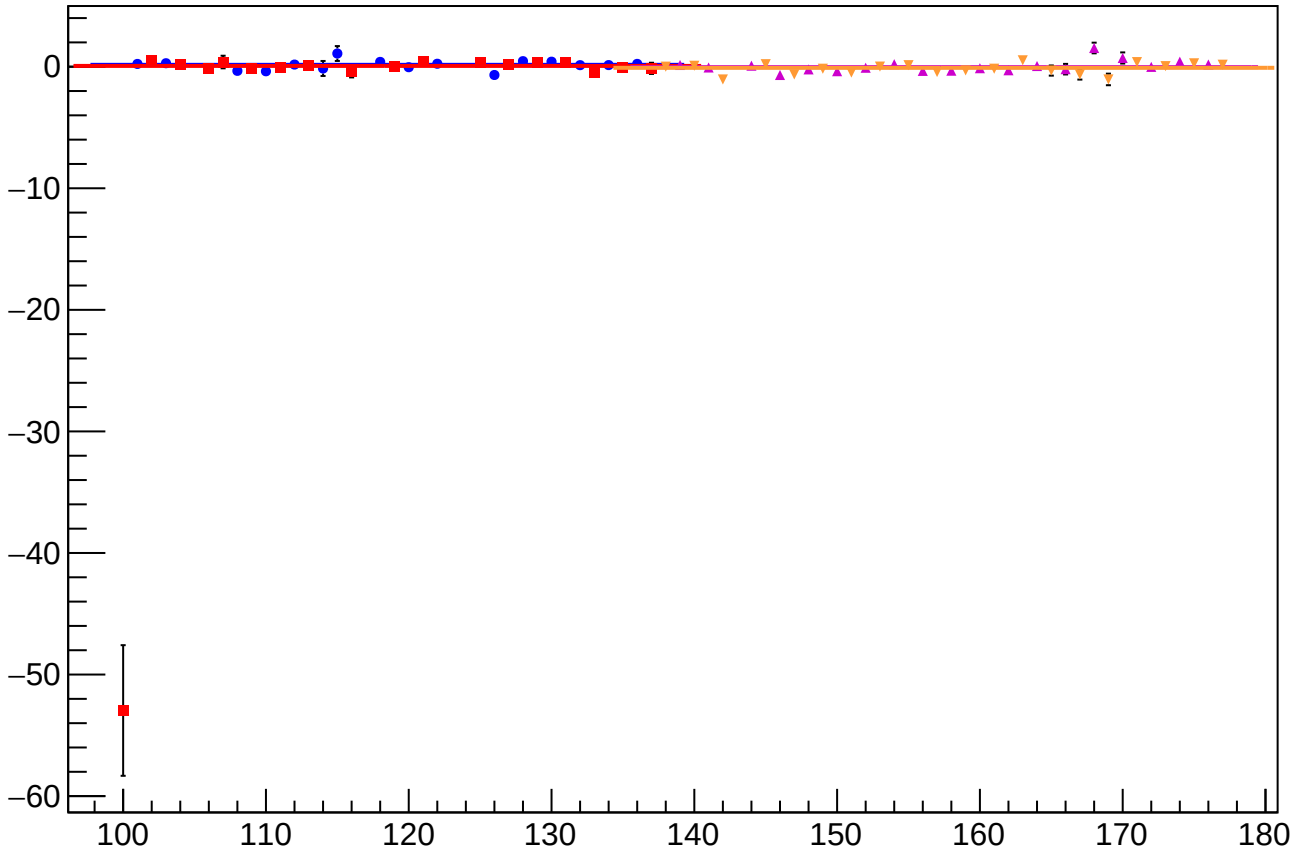
Left: 0.241+/-0.034 χ^2/NDF: 41.9/38

Right: 0.169+/-0.052 χ^2/NDF: 32.6/33

In: 0.207+/-0.040 χ^2/NDF:42.9/34

Out: 0.233+/-0.040 χ^2/NDF:32.8/37

All: 0.220+/-0.028 χ^2/NDF: 75.9/72



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.090+/-0.064 χ^2/NDF:33.1/19

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

Left In: -0.036+/-0.066 χ^2/NDF:32.9/18

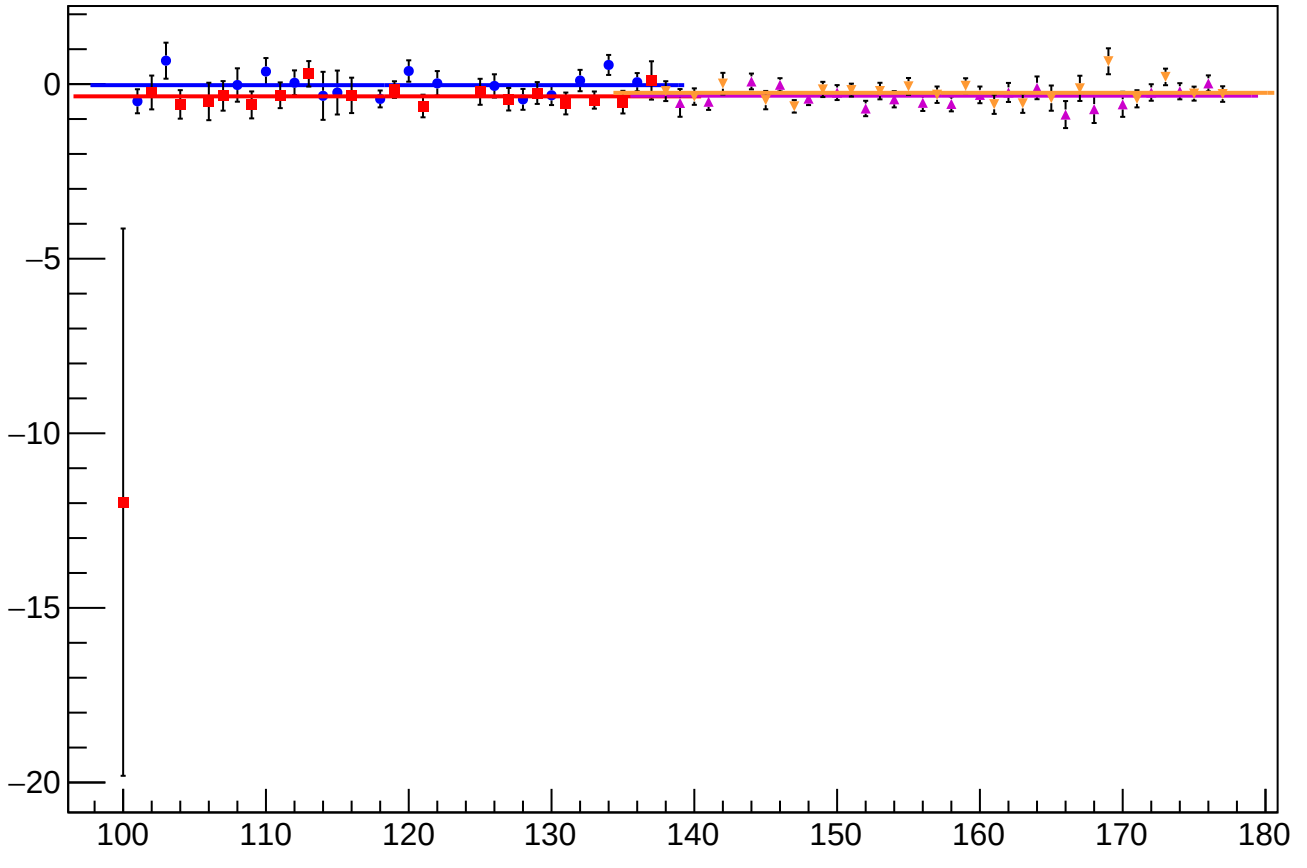
Left: -0.064+/-0.046 χ^2/NDF: 66.3/38

Right: 0.110+/-0.057 χ^2/NDF: 125.5/33

In: 0.041+/-0.051 χ^2/NDF:51.8/34

Out: -0.030+/-0.050 χ^2/NDF:144.7/37

All: 0.005+/-0.036 χ^2/NDF: 197.5/72



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.250+/-0.054 χ^2/NDF:21.2/19

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

Left In: -0.331+/-0.056 χ^2/NDF:18.9/18

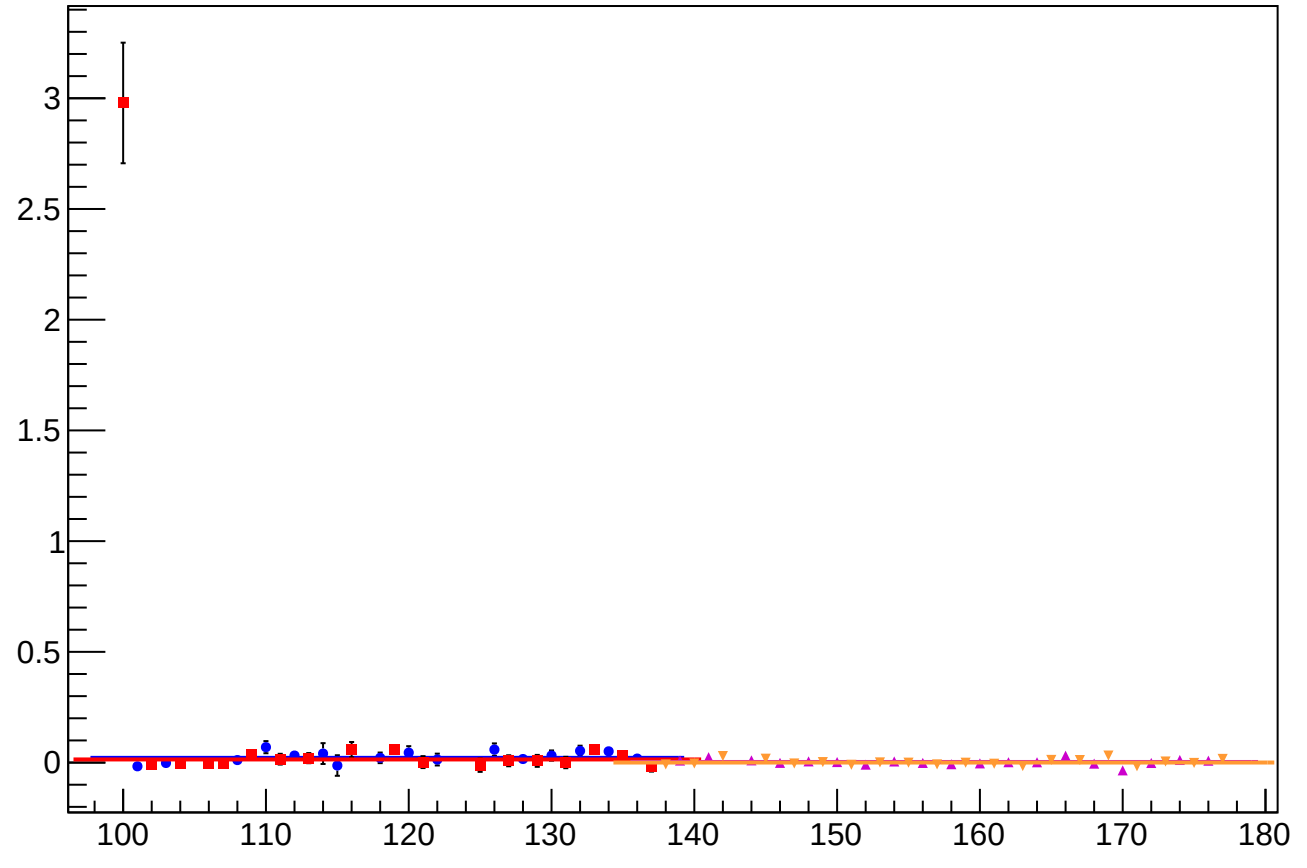
Left: -0.289+/-0.039 χ^2/NDF: 41.2/38

Right: -0.188+/-0.060 χ^2/NDF: 33.4/33

In: -0.238+/-0.047 χ^2/NDF:44.6/34

Out: -0.279+/-0.046 χ^2/NDF:31.6/37

All: -0.259+/-0.033 χ^2/NDF: 76.6/72



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: 0.000+/-0.002 χ^2/NDF:21.3/19

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

Left In: 0.003+/-0.002 χ^2/NDF:18.4/18

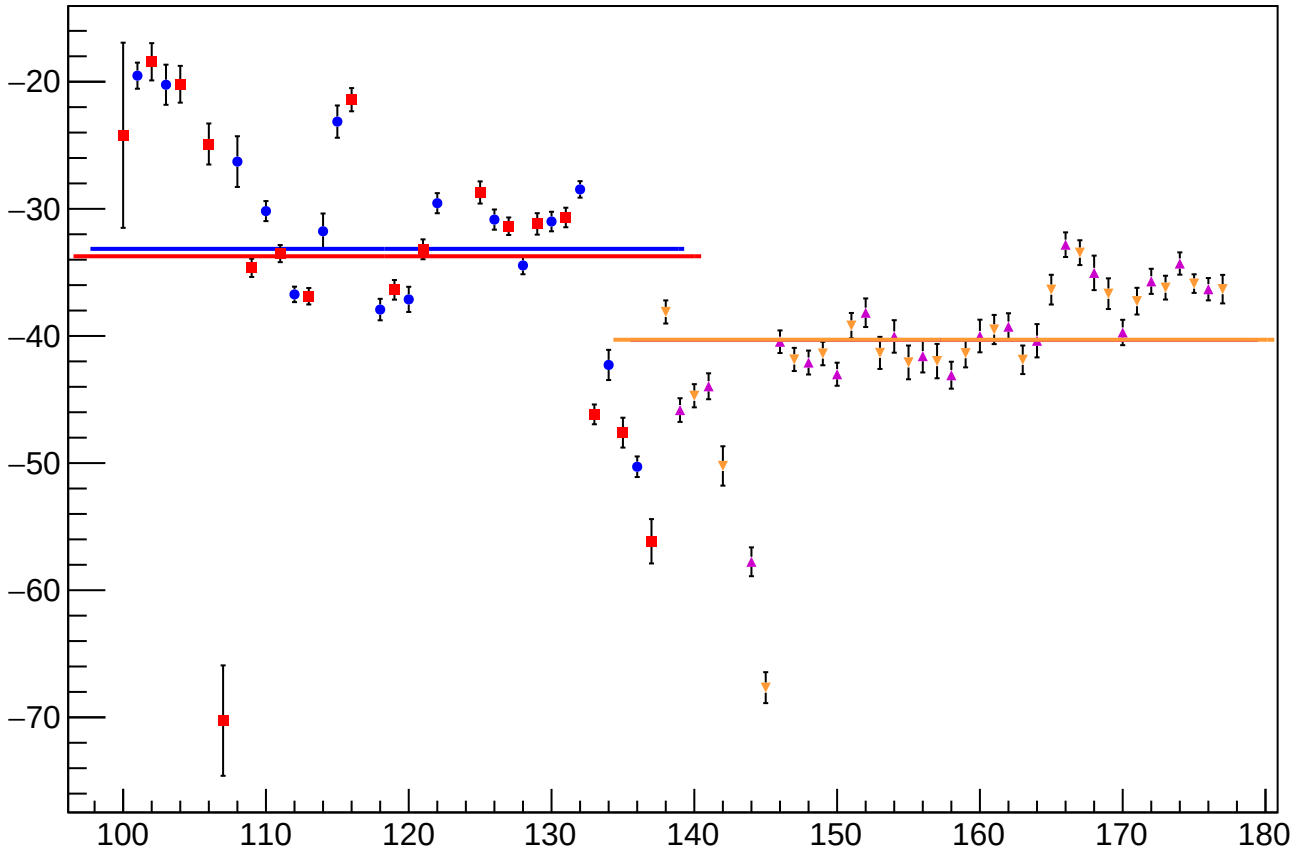
Left: 0.001+/-0.002 χ^2/NDF: 40.2/38

Right: 0.018+/-0.003 χ^2/NDF: 164.5/33

In: 0.007+/-0.002 χ^2/NDF:52.7/34

Out: 0.003+/-0.002 χ^2/NDF:168.6/37

All: 0.005+/-0.002 χ^2/NDF: 222.6/72



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -40.295+/-0.235 χ^2/NDF:734.6/19

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

Left In: -40.316+/-0.238 χ^2/NDF:474.2/18

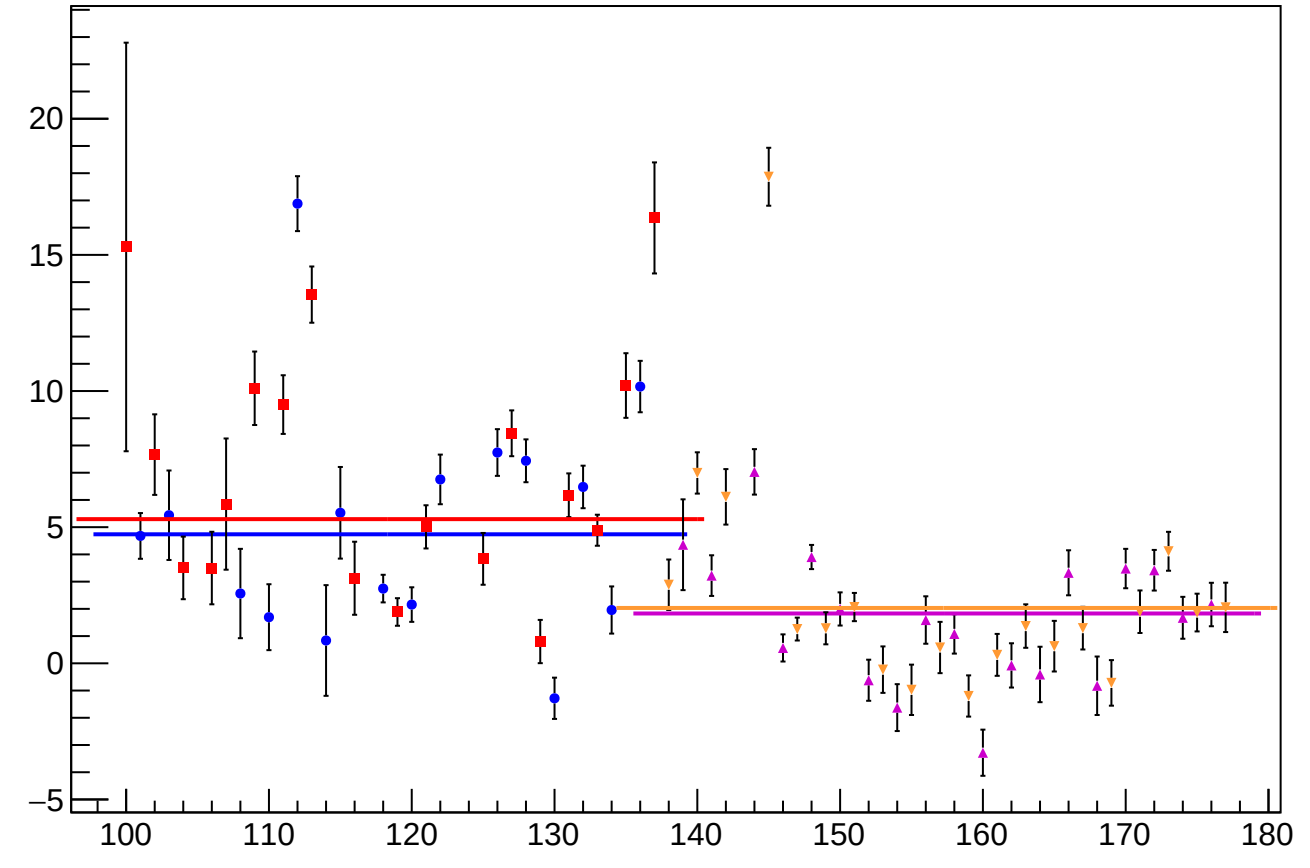
Left: -40.306+/-0.167 χ^2/NDF: 1208.8/38

Right: -33.443+/-0.153 χ^2/NDF: 2166.0/33

In: -36.424+/-0.161 χ^2/NDF:1982.4/34

Out: -36.724+/-0.158 χ^2/NDF:2308.7/37

All: -36.576+/-0.113 χ^2/NDF: 4292.9/72



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 2.033+/-0.165 χ^2/NDF:352.7/19

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

Left In: 1.830+/-0.169 χ^2/NDF:166.8/18

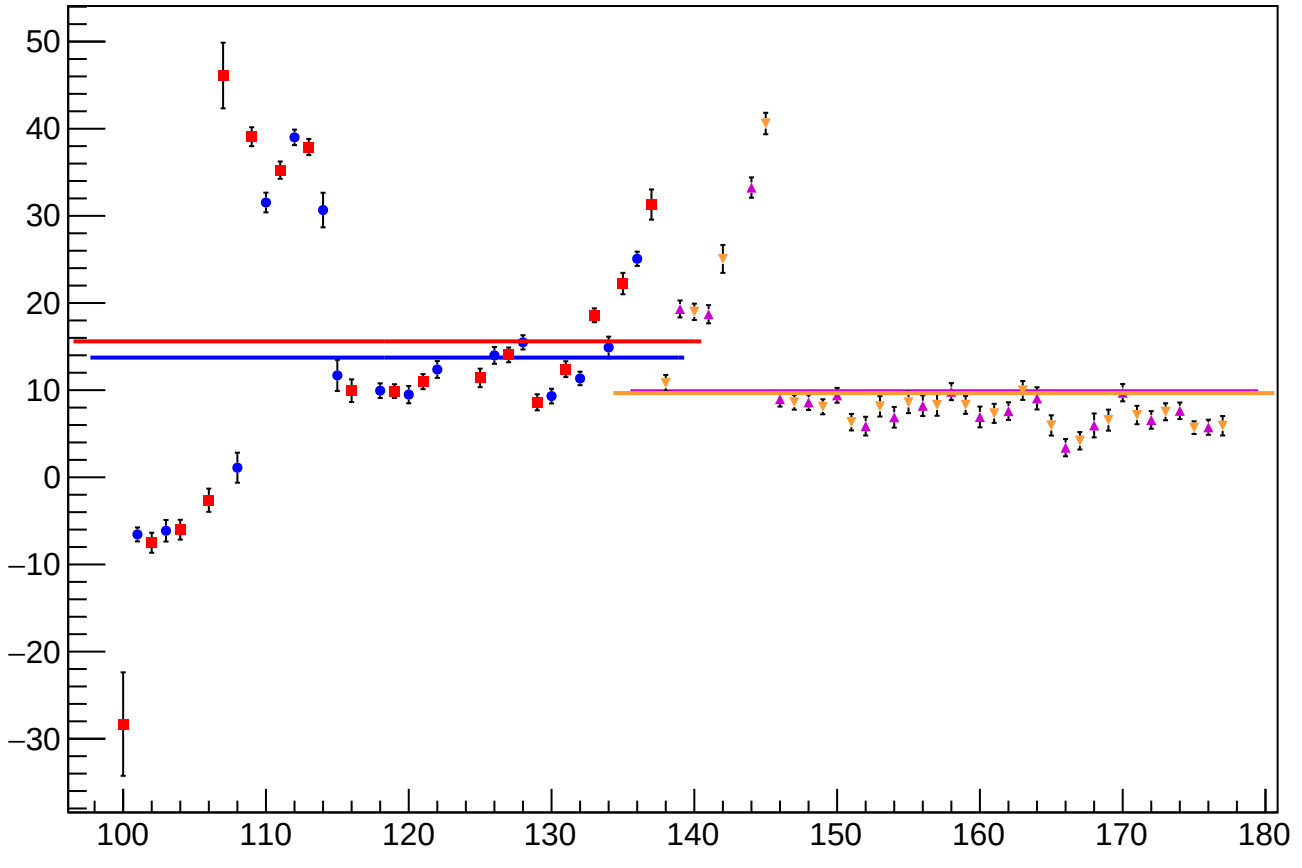
Left: 1.934+/-0.118 χ^2/NDF: 520.2/38

Right: 5.012+/-0.156 χ^2/NDF: 577.8/33

In: 2.917+/-0.134 χ^2/NDF:606.6/34

Out: 3.183+/-0.133 χ^2/NDF:735.8/37

All: 3.051+/-0.094 χ^2/NDF: 1344.4/72



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 9.666+/-0.230 χ^2/NDF:948.7/19

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

Left In: 9.875+/-0.233 χ^2/NDF:694.3/18

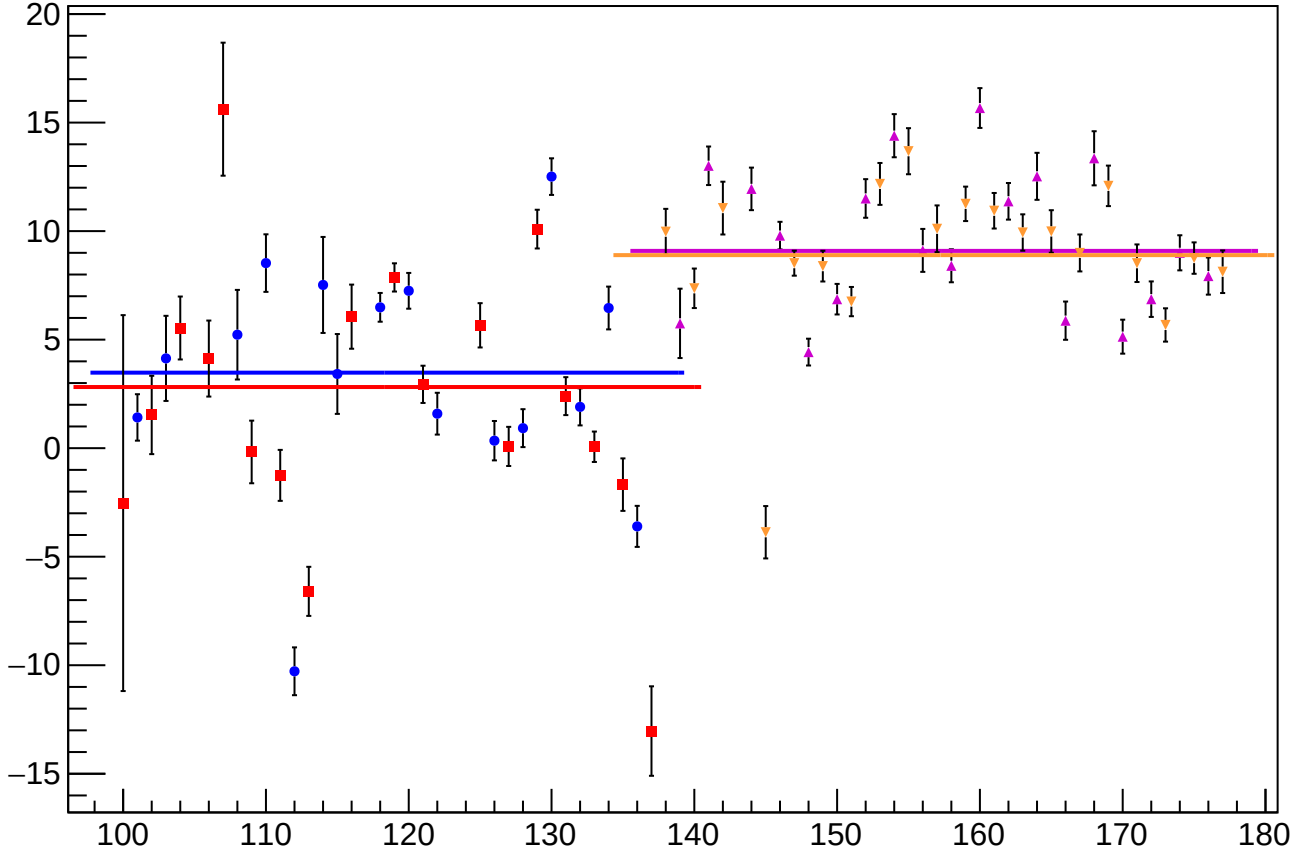
Left: 9.769+/-0.164 χ^2/NDF: 1643.4/38

Right: 14.656+/-0.176 χ^2/NDF: 5204.2/33

In: 11.698+/-0.170 χ^2/NDF:3173.6/34

Out: 12.388+/-0.169 χ^2/NDF:4079.8/37

All: 12.043+/-0.120 χ^2/NDF: 7261.6/72



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 8.894+/-0.190 χ^2/NDF:211.3/19

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

Left In: 9.089+/-0.195 χ^2/NDF:266.0/18

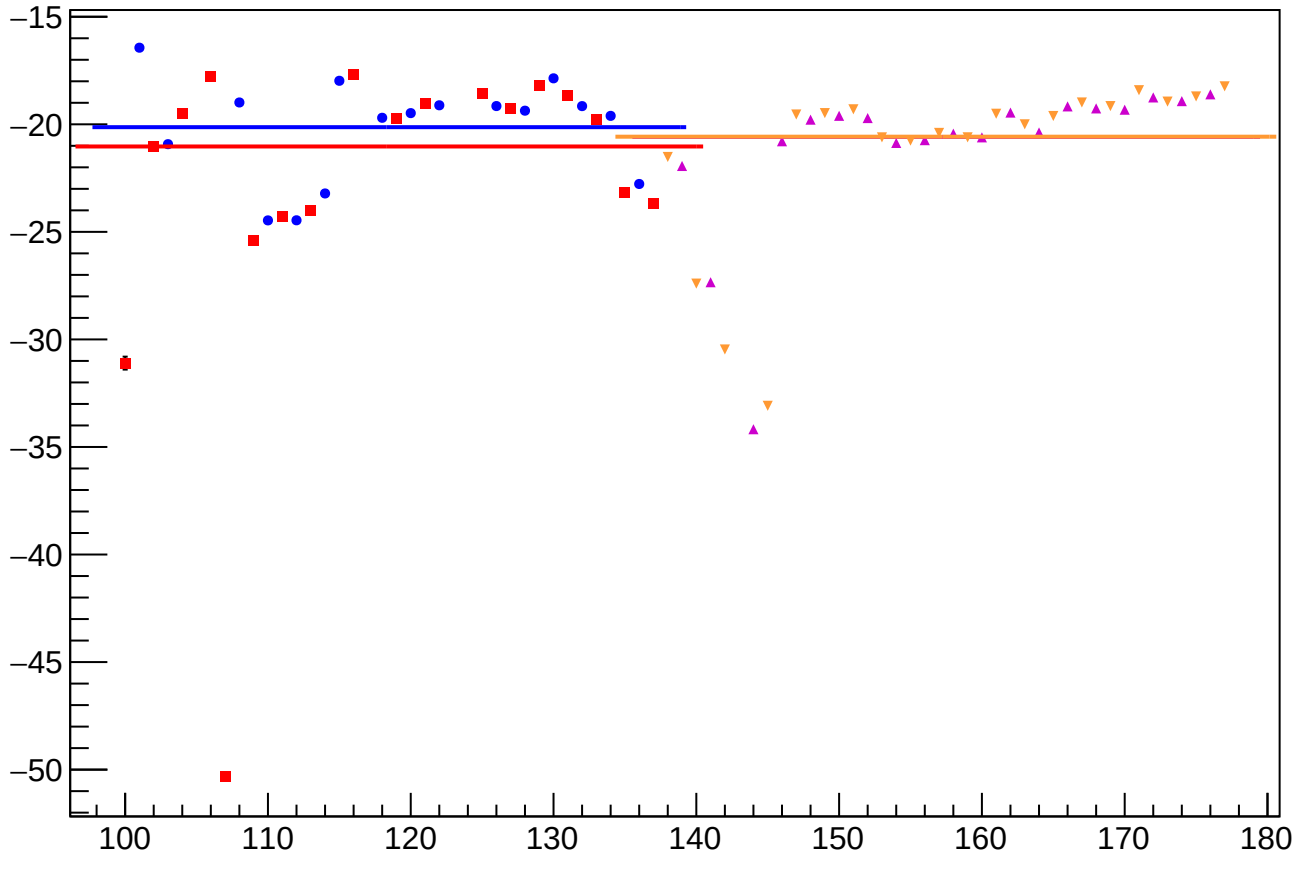
Left: 8.989+/-0.136 χ^2/NDF: 477.8/38

Right: 3.153+/-0.181 χ^2/NDF: 776.3/33

In: 7.003+/-0.155 χ^2/NDF:1000.8/34

Out: 6.742+/-0.153 χ^2/NDF:917.0/37

All: 6.871+/-0.109 χ^2/NDF: 1919.3/72



Right In: -20.133+/-0.016 χ^2/NDF: 19831.2/15

Left Out: -20.576+/-0.009 χ^2/NDF:136082.5/19

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

Left In: -20.590+/-0.009 χ^2/NDF:108124.3/18

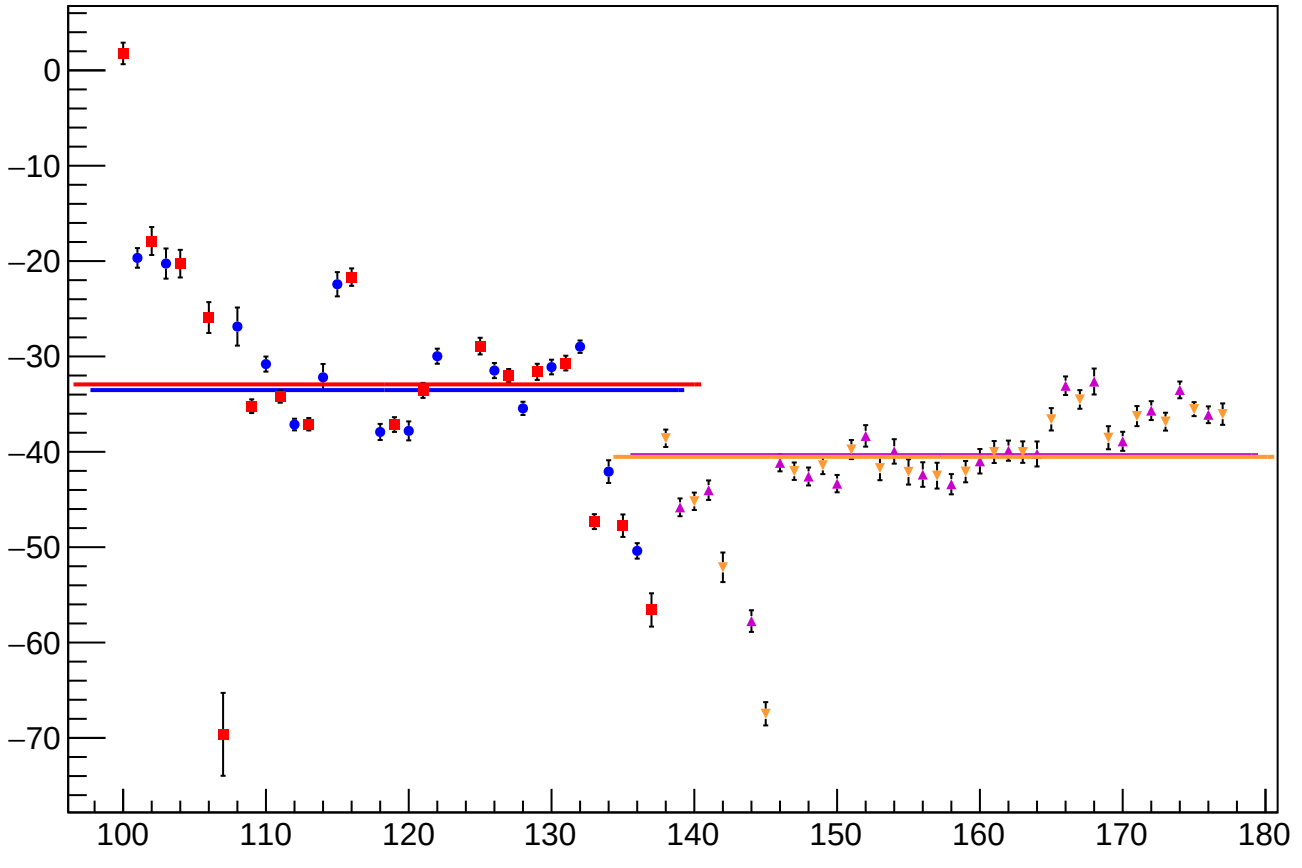
Left: -20.583+/-0.006 χ^2/NDF: 244208.1/38

Right: -20.570+/-0.011 χ^2/NDF: 78882.9/33

In: -20.485+/-0.008 χ^2/NDF:128581.8/34

Out: -20.676+/-0.008 χ^2/NDF:194200.7/37

All: -20.580+/-0.005 χ^2/NDF: 323091.9/72



Right In: -33.528+/-0.218 χ^2/NDF: 1008.7/15

Left Out: -40.526+/-0.235 χ^2/NDF:731.2/19

Right Out: -32.931+/-0.212 χ^2/NDF: 2170.0/17

Left In: -40.351+/-0.238 χ^2/NDF:510.0/18

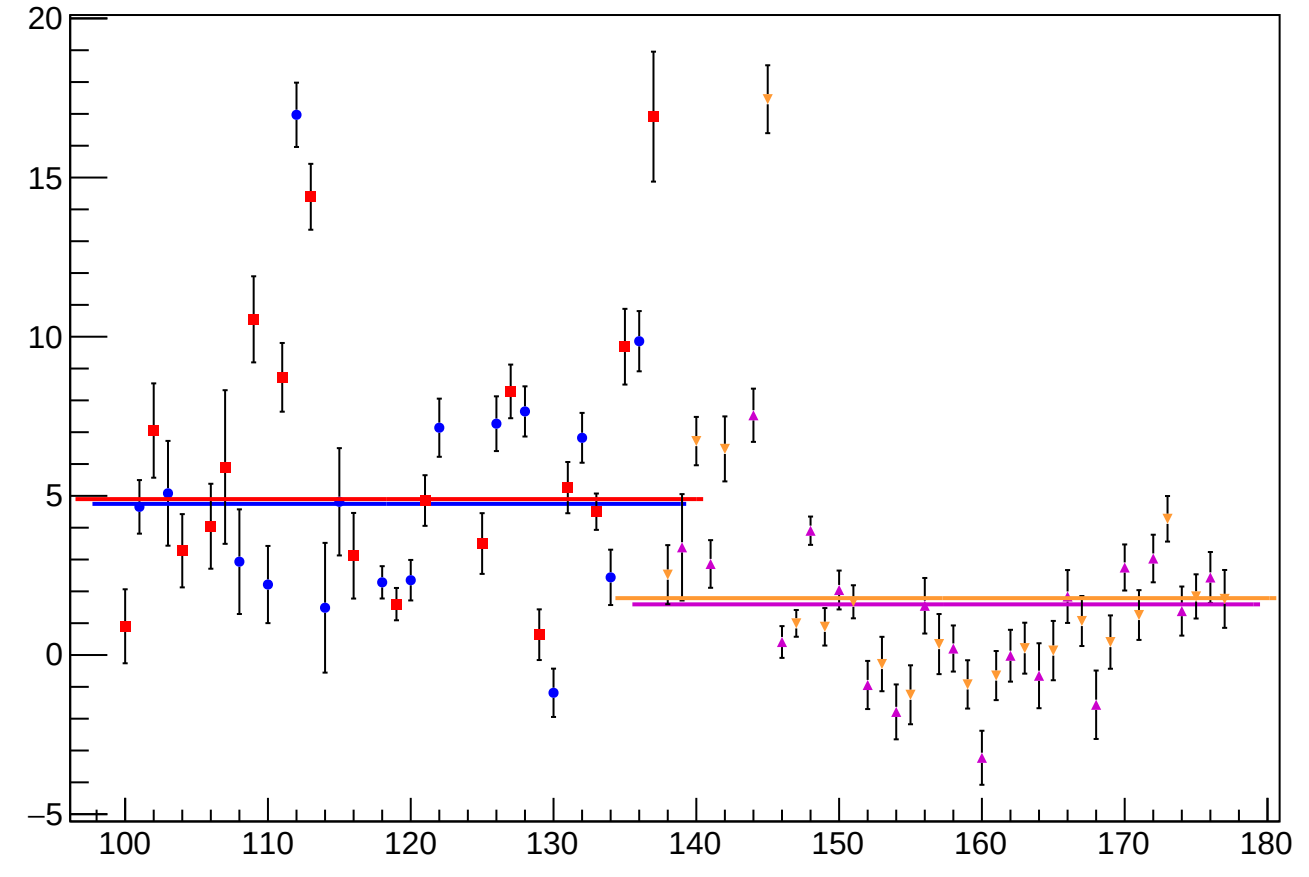
Left: -40.440+/-0.167 χ^2/NDF: 1241.5/38

Right: -33.220+/-0.152 χ^2/NDF: 3182.6/33

In: -36.647+/-0.161 χ^2/NDF:1964.6/34

Out: -36.330+/-0.157 χ^2/NDF:3477.9/37

All: -36.485+/-0.112 χ^2/NDF: 5444.5/72



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 1.787+/-0.165 χ^2/NDF:350.6/19

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

Left In: 1.591+/-0.170 χ^2/NDF:175.1/18

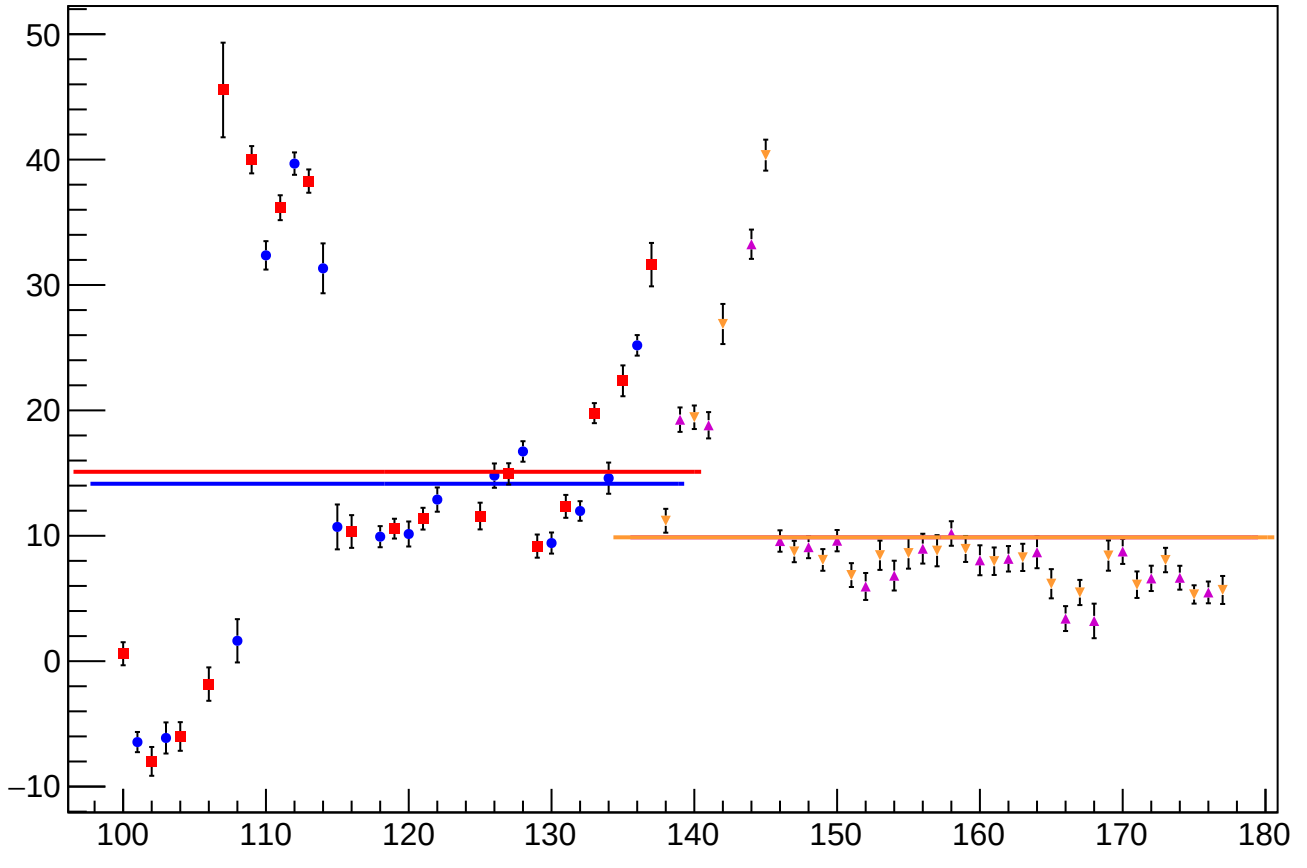
Left: 1.692+/-0.118 χ^2/NDF: 526.4/38

Right: 4.823+/-0.155 χ^2/NDF: 599.0/33

In: 2.771+/-0.134 χ^2/NDF:630.2/34

Out: 2.908+/-0.132 χ^2/NDF:751.6/37

All: 2.841+/-0.094 χ^2/NDF: 1382.4/72



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 9.878+/-0.231 χ^2/NDF:953.6/19

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

Left In: 9.877+/-0.234 χ^2/NDF:707.7/18

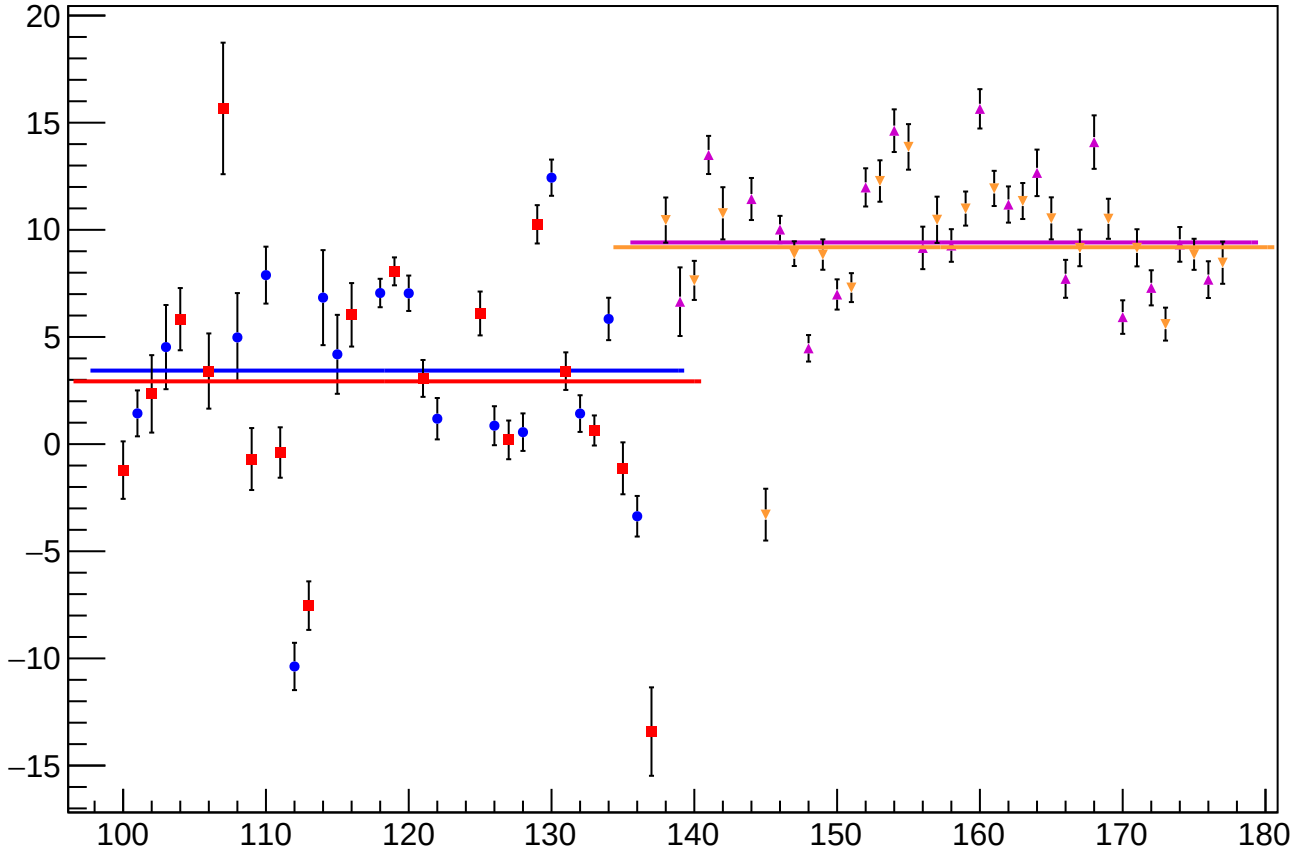
Left: 9.877+/-0.164 χ^2/NDF: 1661.4/38

Right: 14.636+/-0.173 χ^2/NDF: 5512.3/33

In: 11.893+/-0.170 χ^2/NDF:3267.7/34

Out: 12.365+/-0.167 χ^2/NDF:4300.2/37

All: 12.133+/-0.119 χ^2/NDF: 7571.9/72



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 9.188+/-0.191 χ^2/NDF:201.2/19

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

Left In: 9.412+/-0.196 χ^2/NDF:248.4/18

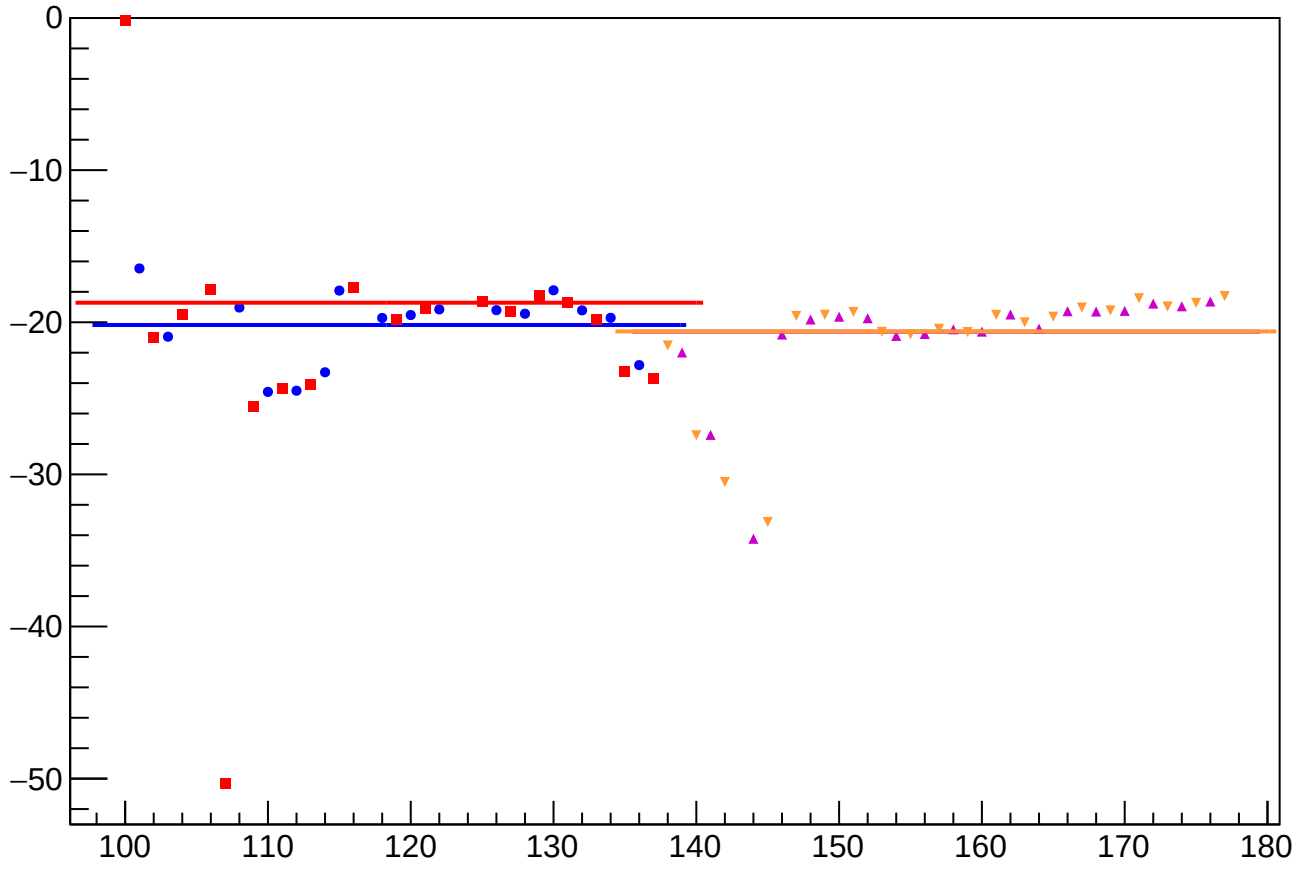
Left: 9.297+/-0.137 χ^2/NDF: 450.3/38

Right: 3.179+/-0.179 χ^2/NDF: 793.7/33

In: 7.189+/-0.155 χ^2/NDF:1020.1/34

Out: 6.923+/-0.152 χ^2/NDF:958.5/37

All: 7.054+/-0.109 χ^2/NDF: 1980.0/72



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -20.603+/-0.009 χ^2/NDF:135730.5/19

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

Left In: -20.618+/-0.009 χ^2/NDF:108402.8/18

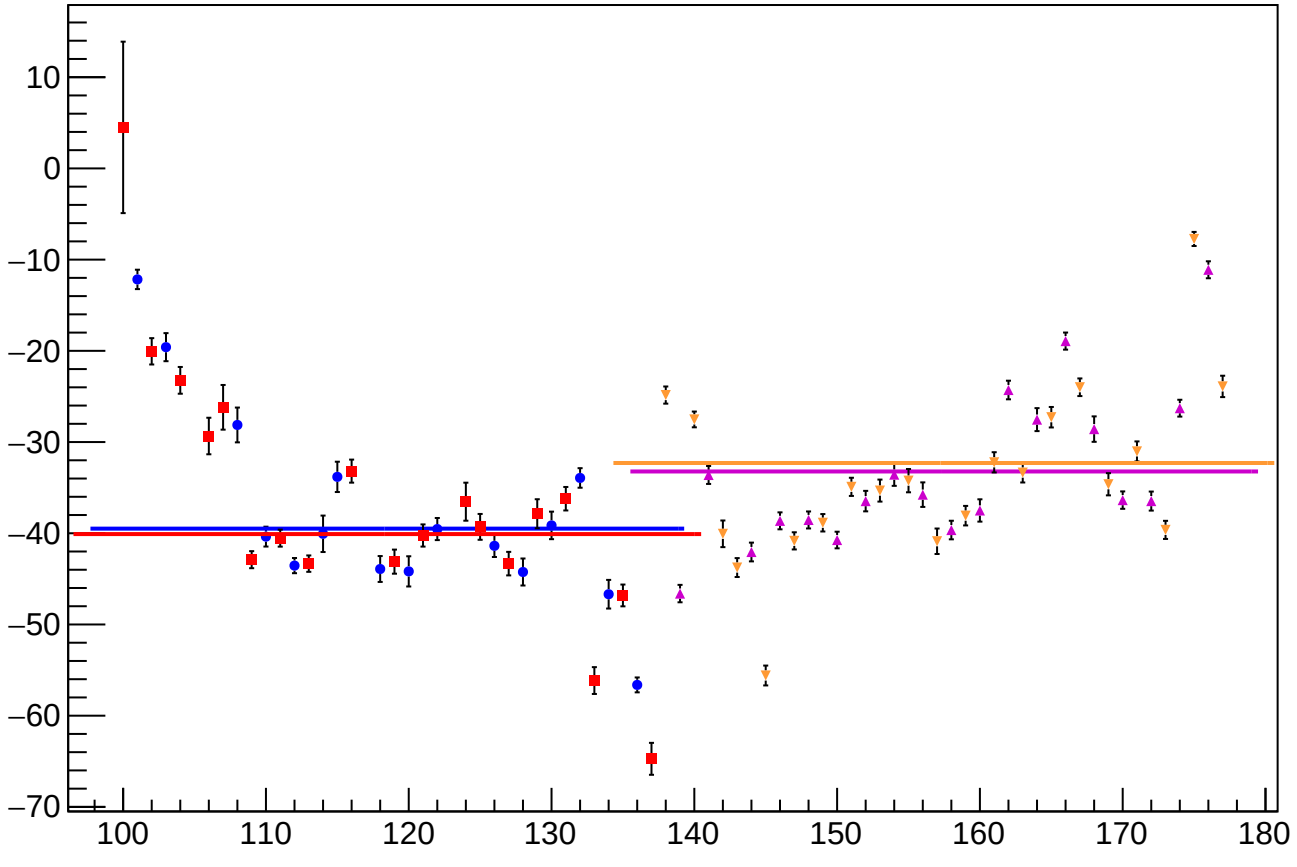
Left: -20.610+/-0.006 χ^2/NDF: 244134.8/38

Right: -19.425+/-0.011 χ^2/NDF: 258824.1/33

In: -20.518+/-0.008 χ^2/NDF:128832.8/34

Out: -20.146+/-0.008 χ^2/NDF:381559.8/37

All: -20.331+/-0.005 χ^2/NDF: 511564.8/72



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -32.295+/-0.229 χ^2/NDF:2129.8/20

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

Left In: -33.226+/-0.237 χ^2/NDF:1451.5/18

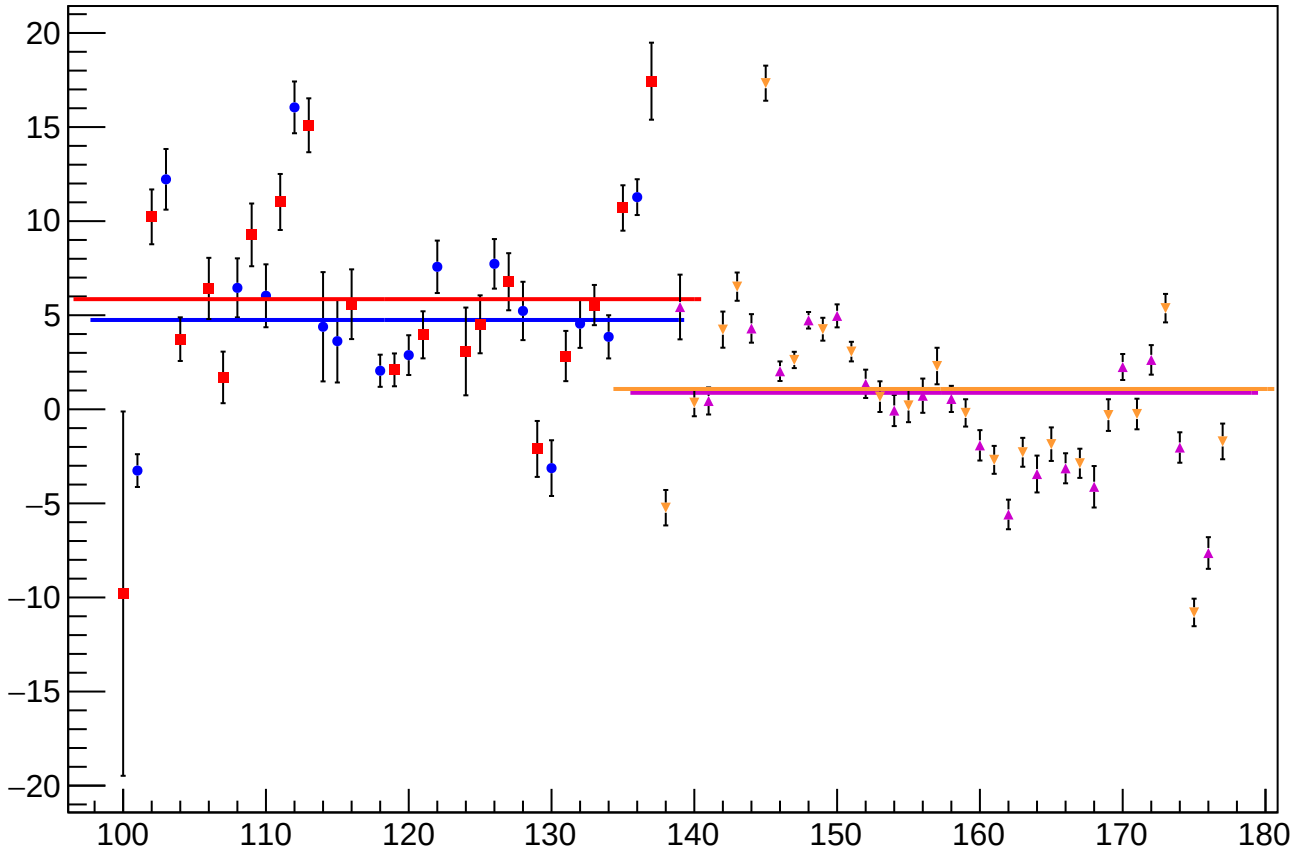
Left: -32.745+/-0.165 χ^2/NDF: 3589.2/39

Right: -39.795+/-0.218 χ^2/NDF: 2253.9/34

In: -35.530+/-0.188 χ^2/NDF:3125.8/34

Out: -35.079+/-0.184 χ^2/NDF:3378.8/39

All: -35.299+/-0.131 χ^2/NDF: 6507.6/74



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: 1.081+/-0.161 χ^2/NDF:864.9/20

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

Left In: 0.877+/-0.168 χ^2/NDF:425.1/18

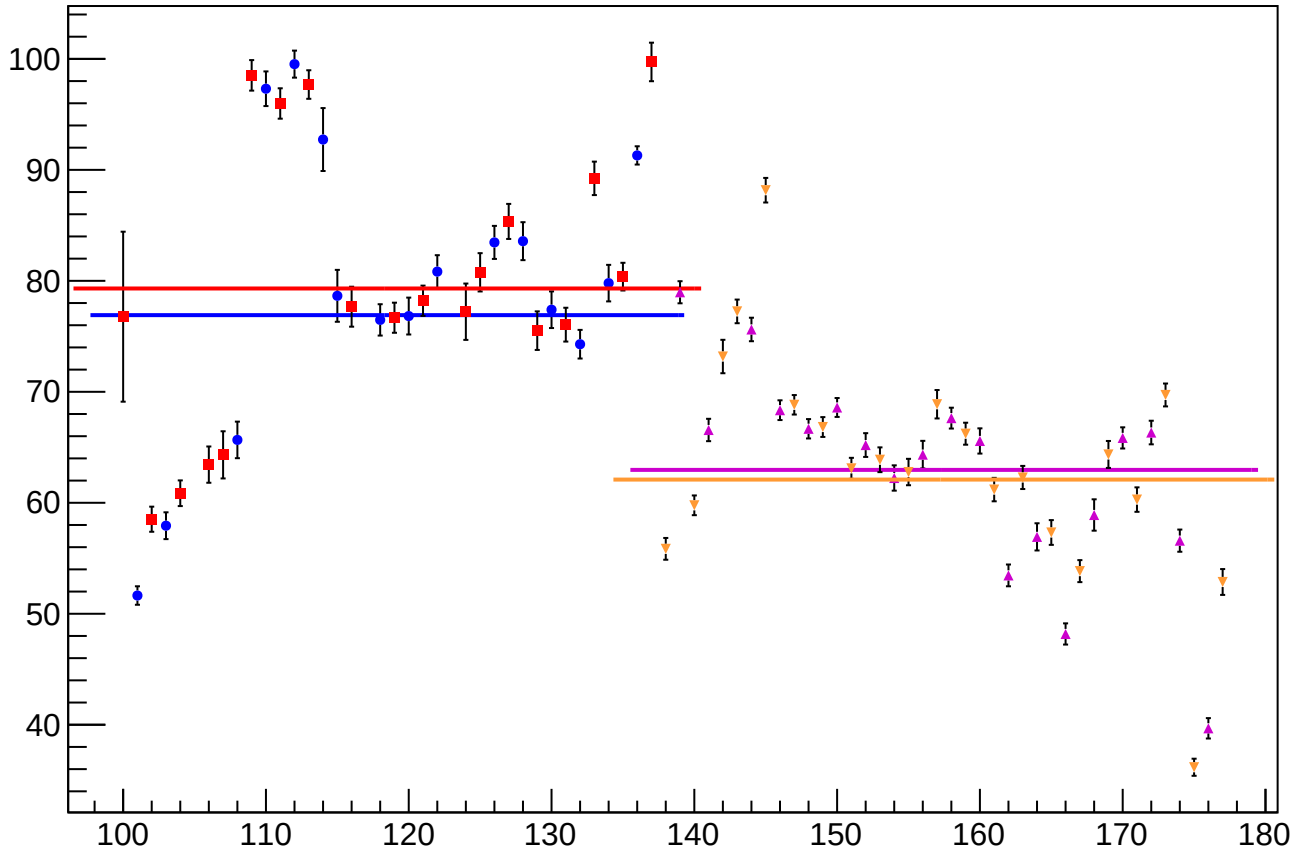
Left: 0.983+/-0.116 χ^2/NDF: 1290.8/39

Right: 5.287+/-0.226 χ^2/NDF: 467.4/34

In: 1.732+/-0.149 χ^2/NDF:815.8/34

Out: 2.026+/-0.144 χ^2/NDF:1226.7/39

All: 1.883+/-0.103 χ^2/NDF: 2044.6/74



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 62.092+/-0.225 χ^2/NDF:2338.6/20

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

Left In: 62.965+/-0.232 χ^2/NDF:1616.9/18

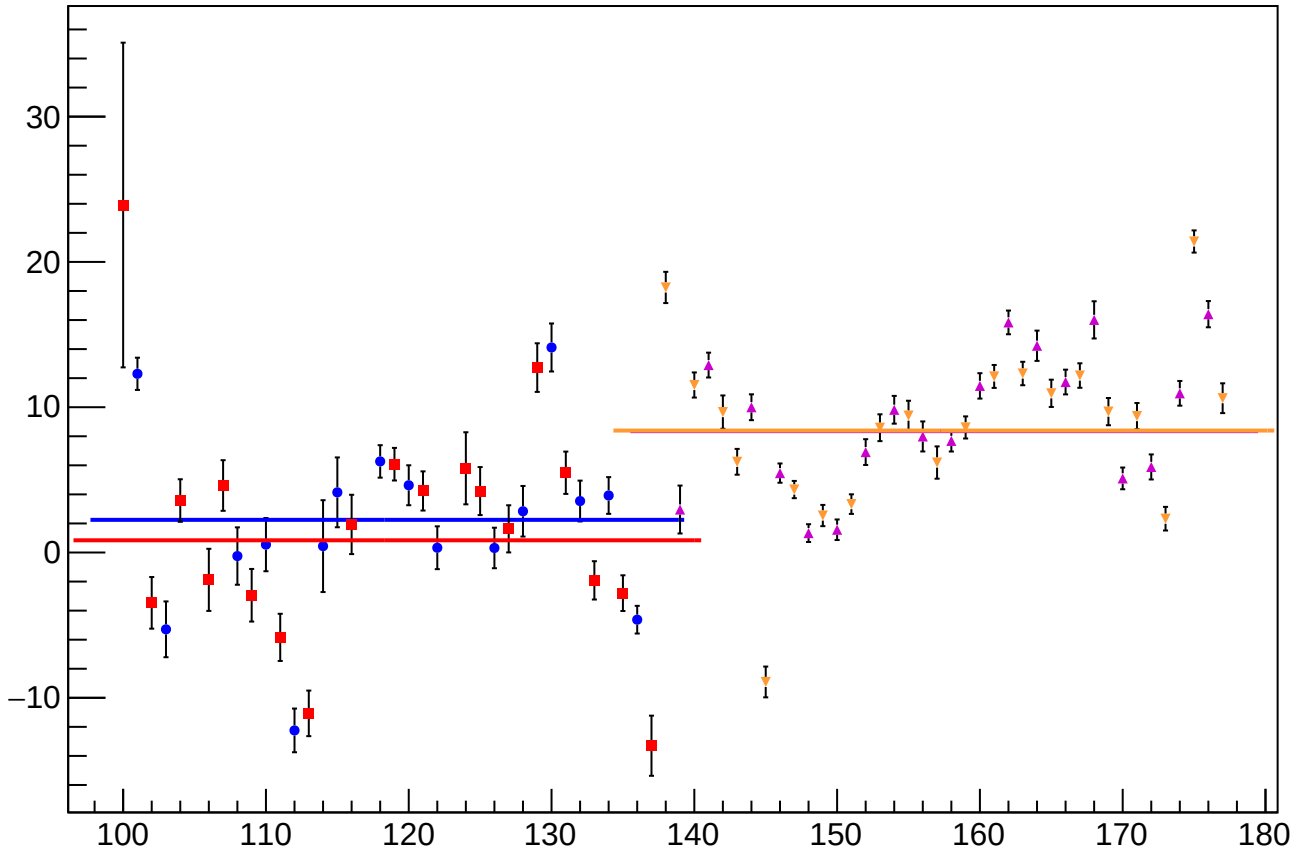
Left: 62.514+/-0.162 χ^2/NDF: 3962.8/39

Right: 78.071+/-0.242 χ^2/NDF: 3636.9/34

In: 67.463+/-0.191 χ^2/NDF:4893.7/34

Out: 67.172+/-0.189 χ^2/NDF:5562.4/39

All: 67.315+/-0.134 χ^2/NDF: 10457.3/74



Right In: 2.248+/-0.363 χ^2/NDF: 319.6/15

Left Out: 8.394+/-0.186 χ^2/NDF:970.4/20

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

Left In: 8.354+/-0.194 χ^2/NDF:587.2/18

Left: 8.375+/-0.134 χ^2/NDF: 1557.6/39

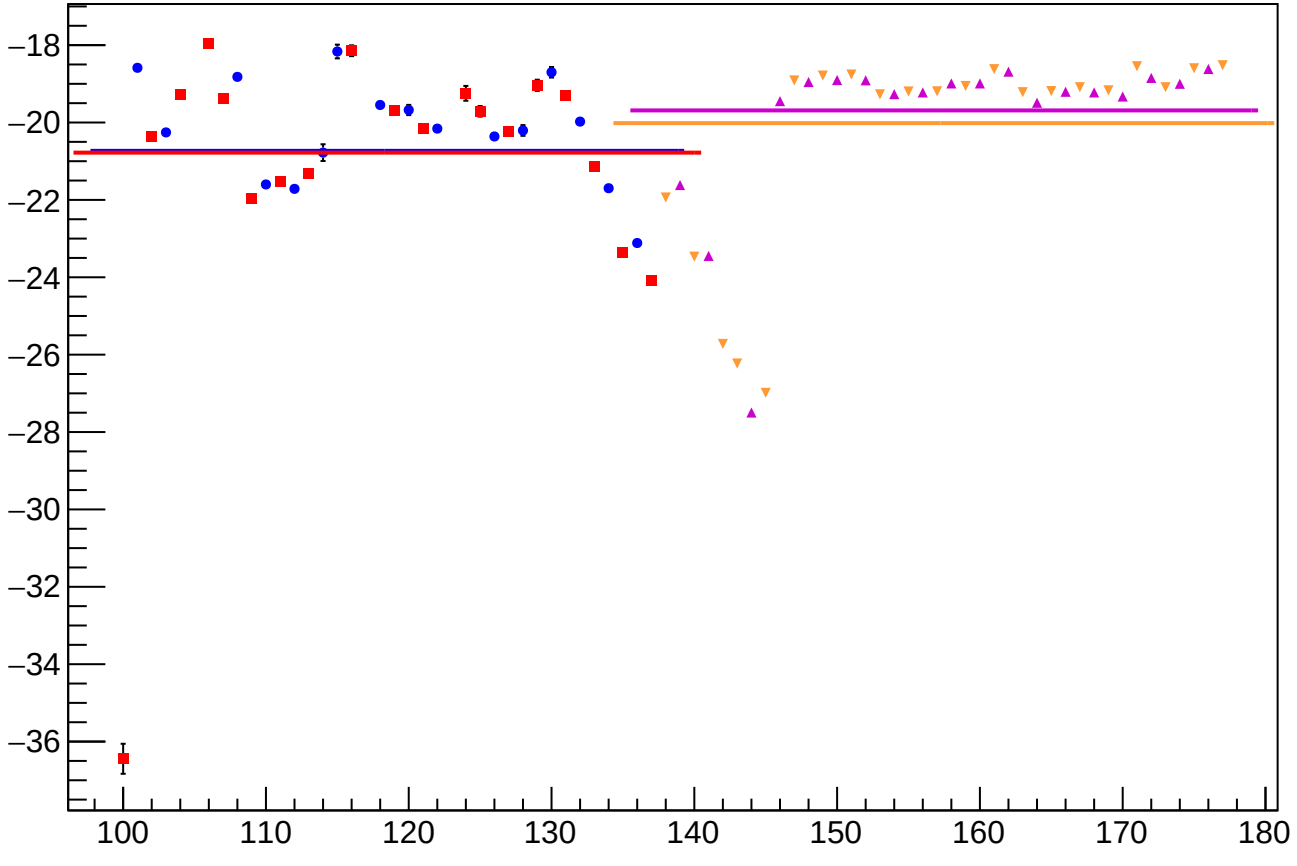
Right: 1.561+/-0.260 χ^2/NDF: 583.2/34

In: 6.998+/-0.171 χ^2/NDF:1126.9/34

Out: 6.884+/-0.166 χ^2/NDF:1556.4/39

All: 6.940+/-0.119 χ^2/NDF: 2683.5/74

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -20.016+/-0.009 χ^2/NDF:76791.7/20

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

Left In: -19.687+/-0.009 χ^2/NDF:43597.9/18

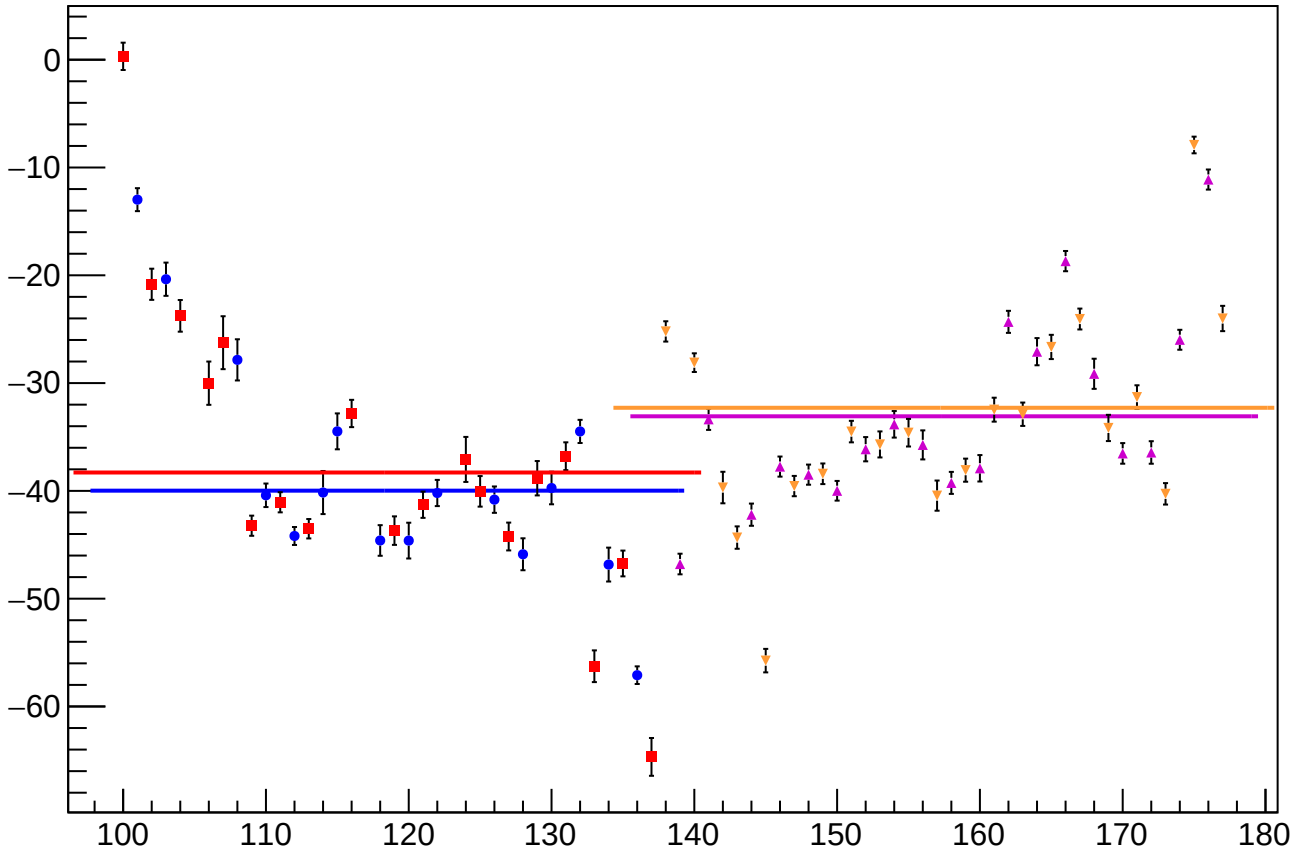
Left: -19.854+/-0.006 χ^2/NDF: 121109.0/39

Right: -20.755+/-0.014 χ^2/NDF: 17063.4/34

In: -19.863+/-0.008 χ^2/NDF:53642.4/34

Out: -20.133+/-0.008 χ^2/NDF:87426.2/39

All: -19.999+/-0.006 χ^2/NDF: 141648.3/74



Right In: -39.979+/-0.311 χ^2/NDF: 1398.4/15

Left Out: -32.290+/-0.229 χ^2/NDF:2091.4/20

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

Left In: -33.081+/-0.237 χ^2/NDF:1439.5/18

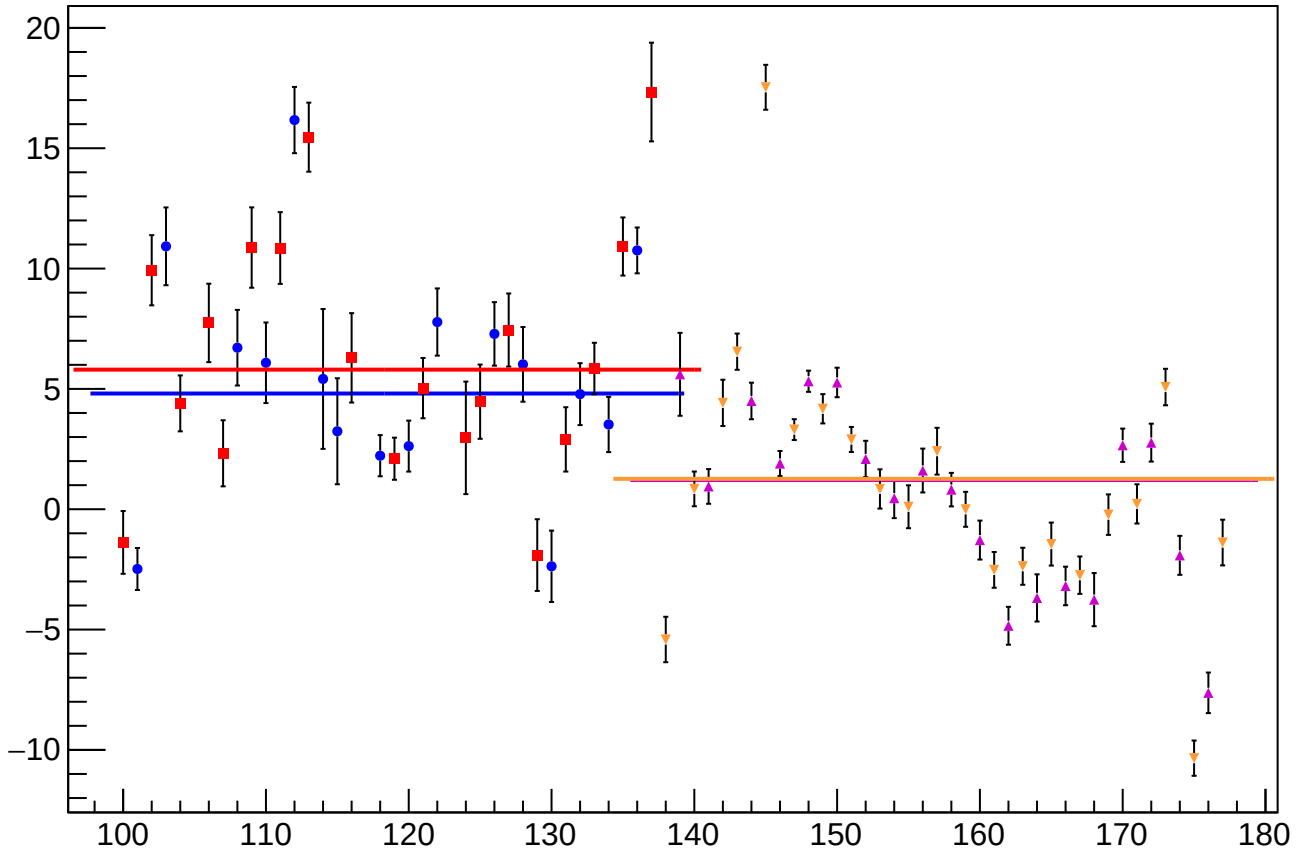
Left: -32.672+/-0.165 χ^2/NDF: 3536.6/39

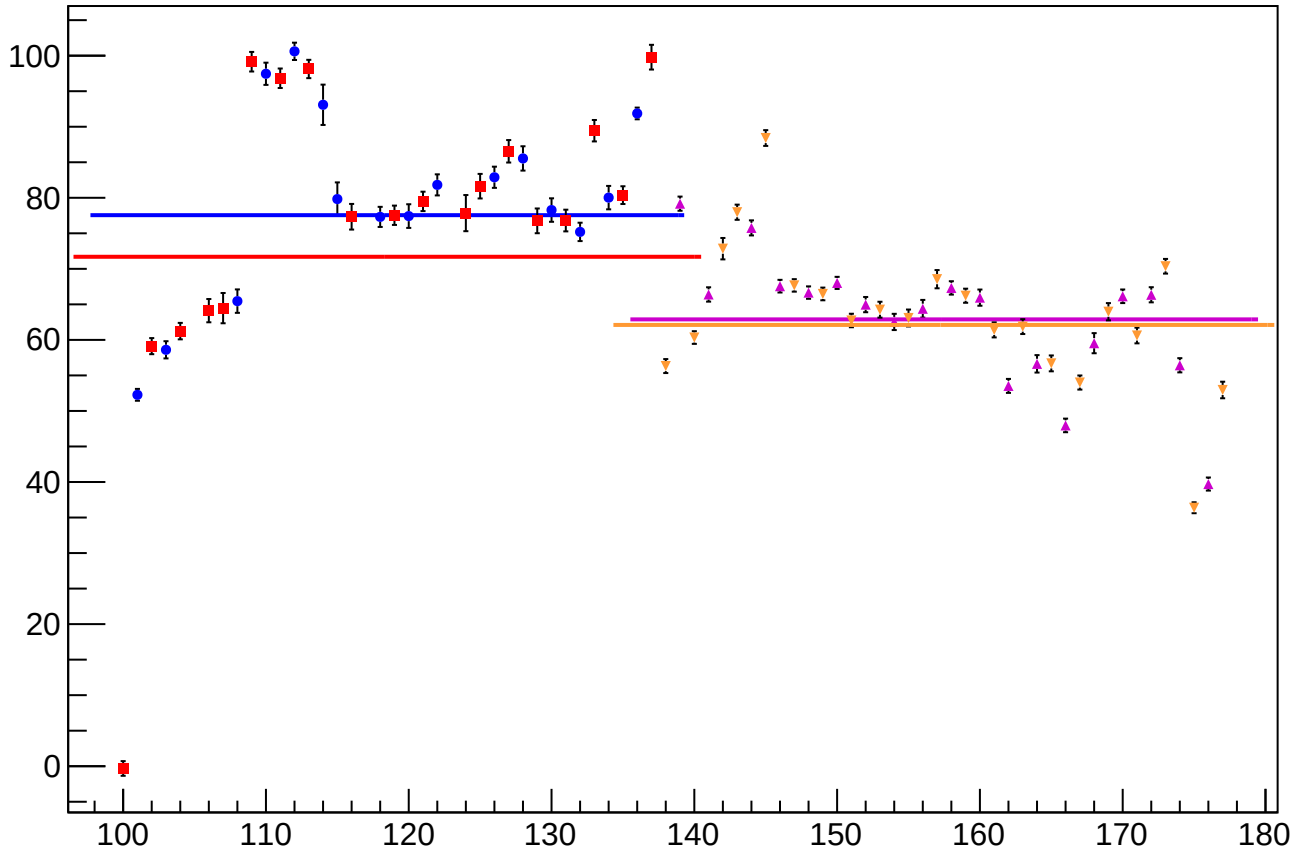
Right: -39.104+/-0.216 χ^2/NDF: 3187.4/34

In: -35.619+/-0.189 χ^2/NDF:3148.7/34

Out: -34.513+/-0.182 χ^2/NDF:4119.1/39

All: -35.046+/-0.131 χ^2/NDF: 7285.6/74


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: 1.263+/-0.161 χ²/NDF:848.5/20
Right Out: 5.801+/-0.315 χ²/NDF: 216.4/18
Left In: 1.213+/-0.169 χ²/NDF:437.7/18
Left: 1.239+/-0.117 χ²/NDF: 1286.2/39
Right: 5.307+/-0.223 χ²/NDF: 461.9/34
In: 2.008+/-0.149 χ²/NDF:778.7/34
Out: 2.205+/-0.143 χ²/NDF:1229.5/39
All: 2.110+/-0.103 χ²/NDF: 2009.1/74



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 62.106+/-0.225 χ^2/NDF:2316.8/20

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

Left In: 62.887+/-0.233 χ^2/NDF:1605.8/18

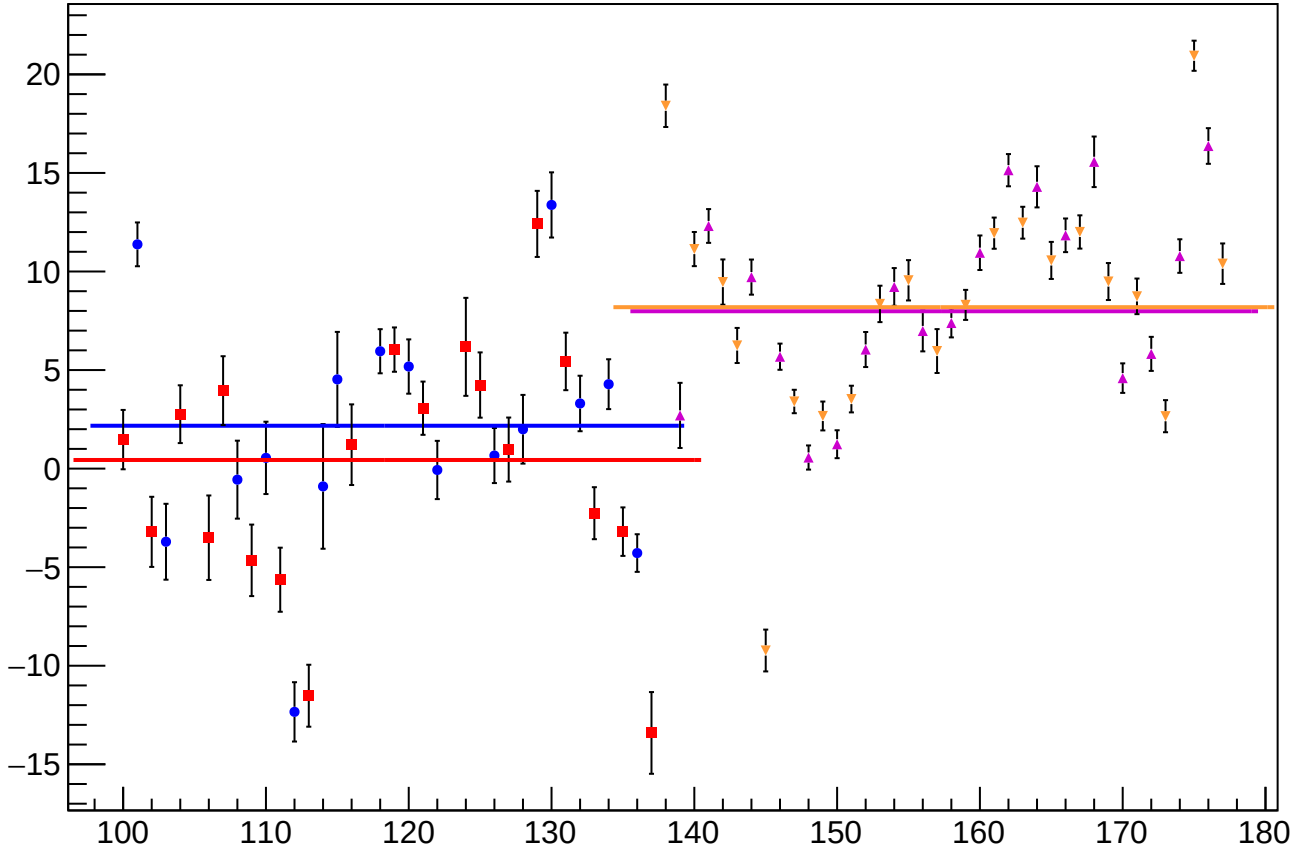
Left: 62.484+/-0.162 χ^2/NDF: 3928.4/39

Right: 74.565+/-0.236 χ^2/NDF: 9175.5/34

In: 67.620+/-0.192 χ^2/NDF:5004.0/34

Out: 65.152+/-0.186 χ^2/NDF:9795.5/39

All: 66.350+/-0.134 χ^2/NDF: 14884.9/74



Right In: 2.175+/-0.364 χ^2/NDF: 290.3/15

Left Out: 8.190+/-0.186 χ^2/NDF:961.0/20

Right Out: 0.438+/-0.362 χ^2/NDF: 254.1/18

Left In: 7.983+/-0.194 χ^2/NDF:600.5/18

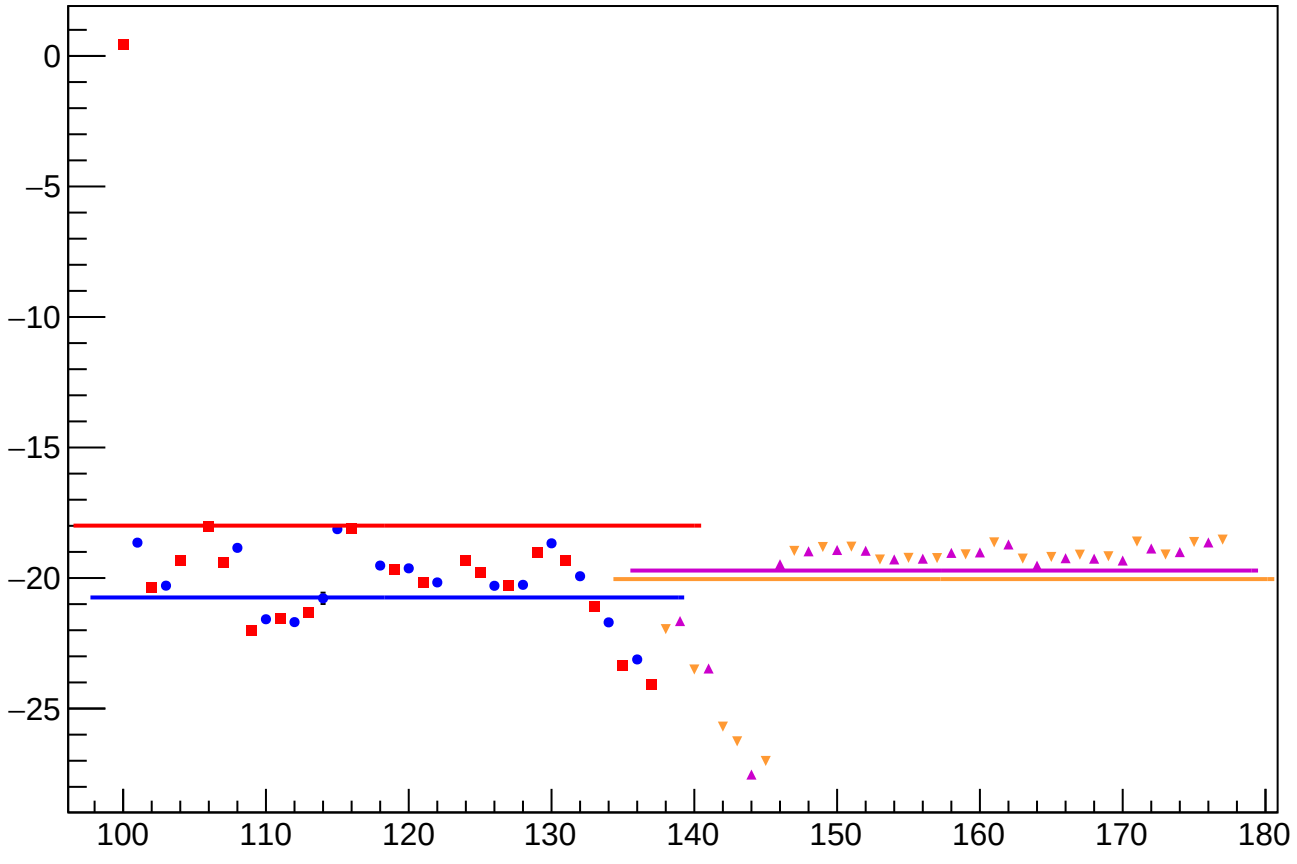
Left: 8.091+/-0.134 χ^2/NDF: 1562.1/39

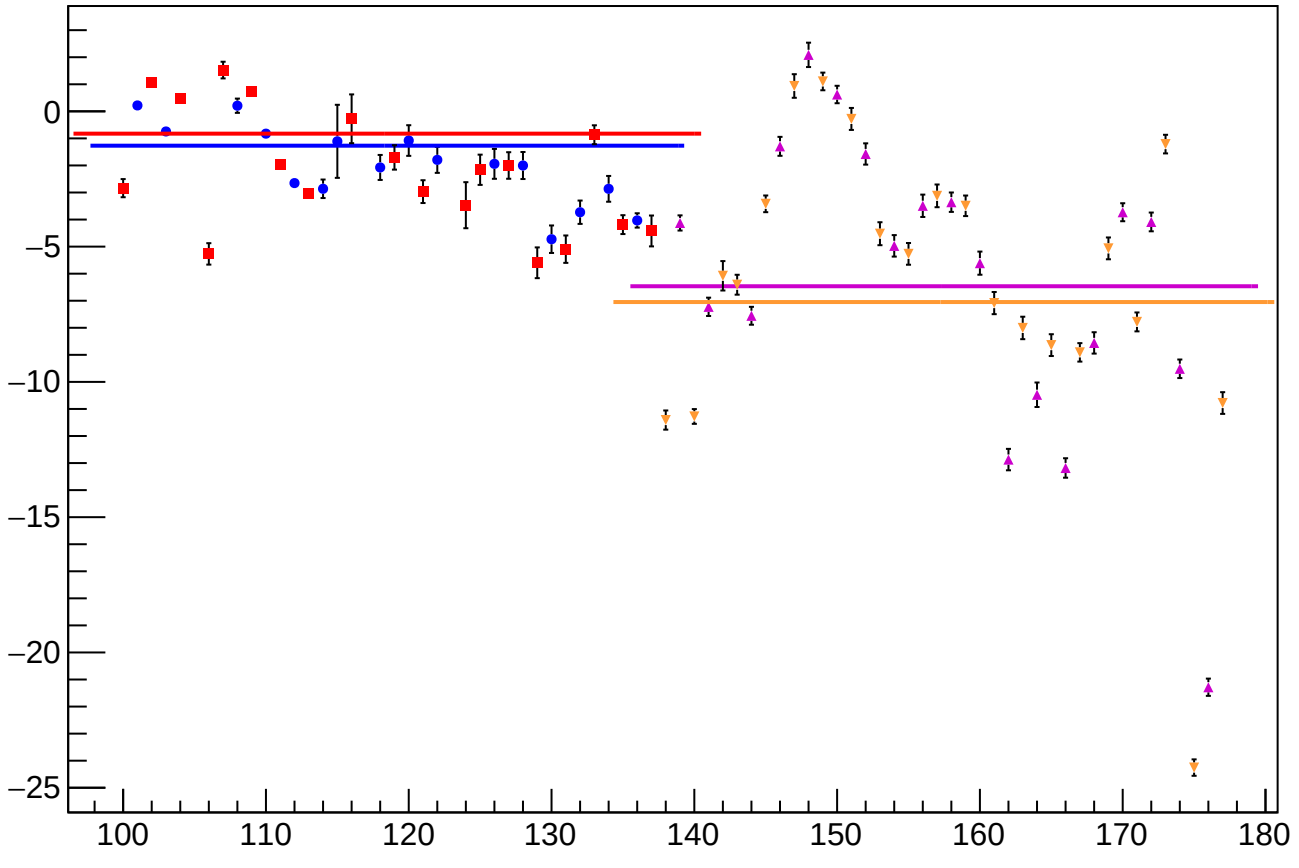
Right: 1.302+/-0.257 χ^2/NDF: 555.9/34

In: 6.693+/-0.171 χ^2/NDF:1089.3/34

Out: 6.567+/-0.166 χ^2/NDF:1577.9/39

All: 6.628+/-0.119 χ^2/NDF: 2667.4/74


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: -20.041+/-0.009 χ²/NDF:76368.5/20
Right Out: -17.993+/-0.019 χ²/NDF: 150579.1/18
Left In: -19.713+/-0.009 χ²/NDF:43479.9/18
Left: -19.880+/-0.006 χ²/NDF: 120561.0/39
Right: -19.328+/-0.014 χ²/NDF: 168397.6/34
In: -19.887+/-0.008 χ²/NDF:53331.0/34
Out: -19.688+/-0.008 χ²/NDF:236690.9/39
All: -19.786+/-0.006 χ²/NDF: 290337.0/74



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -7.048+/-0.081 χ^2/NDF:5672.2/20

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

Left In: -6.465+/-0.083 χ^2/NDF:4519.2/18

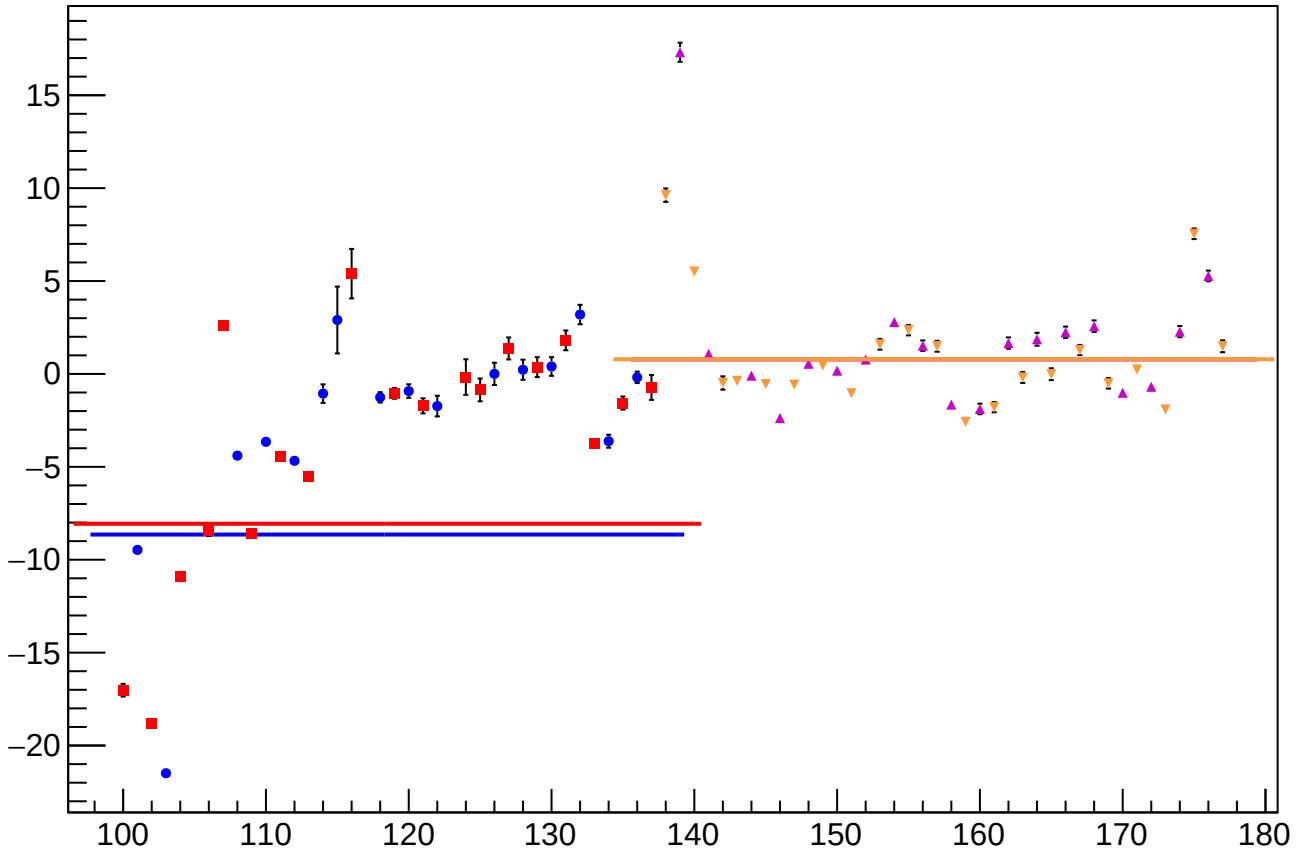
Left: -6.764+/-0.058 χ^2/NDF: 10216.9/39

Right: -1.033+/-0.037 χ^2/NDF: 2036.2/34

In: -2.844+/-0.046 χ^2/NDF:7887.4/34

Out: -2.607+/-0.043 χ^2/NDF:11315.3/39

All: -2.719+/-0.031 χ^2/NDF: 19217.1/74



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 0.791+/-0.058 χ^2/NDF:2198.9/20

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

Left In: 0.780+/-0.061 χ^2/NDF:1954.1/18

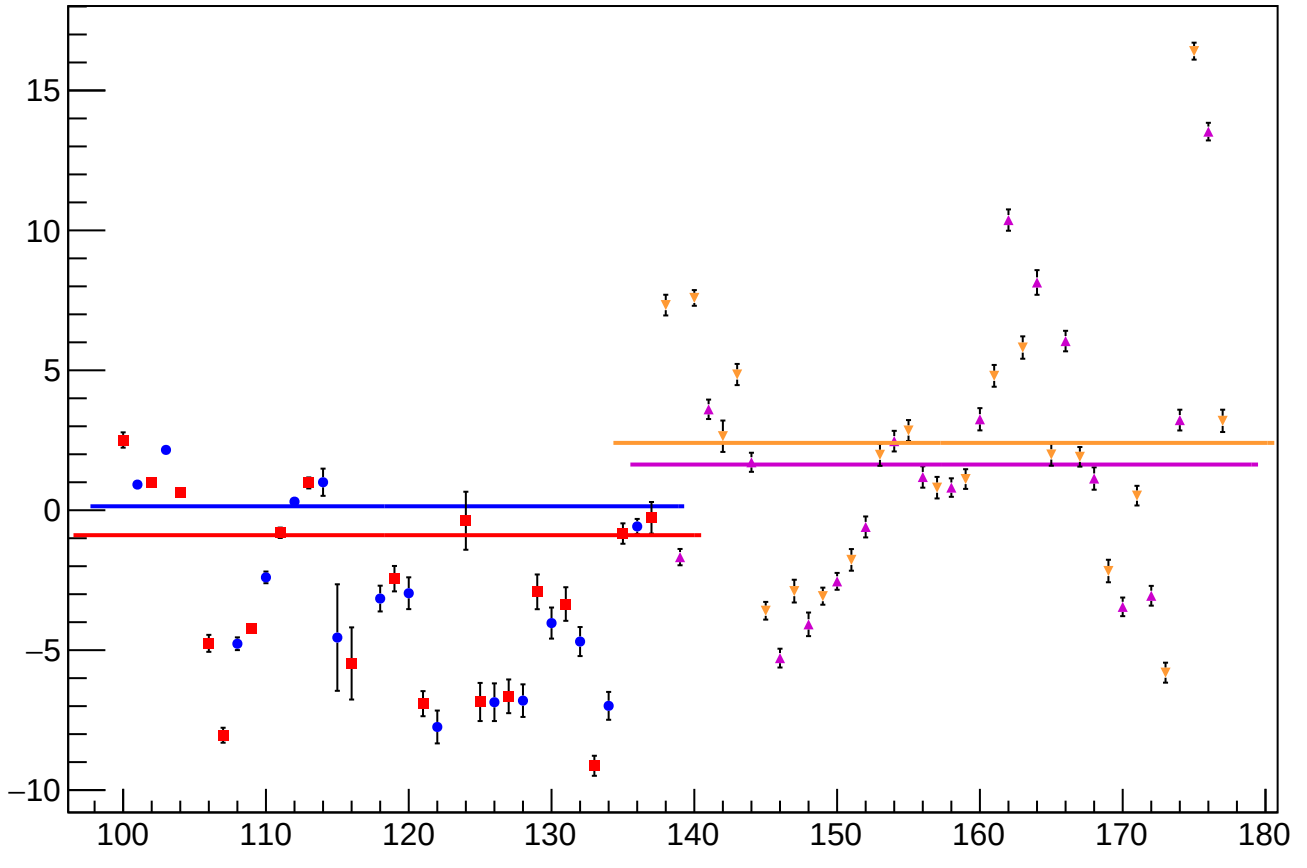
Left: 0.785+/-0.042 χ^2/NDF: 4153.0/39

Right: -8.357+/-0.040 χ^2/NDF: 28307.3/34

In: -4.282+/-0.042 χ^2/NDF:28465.4/34

Out: -3.708+/-0.041 χ^2/NDF:28288.4/39

All: -3.990+/-0.029 χ^2/NDF: 56850.2/74



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 2.407+/-0.079 χ^2/NDF:4502.0/20

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

Left In: 1.633+/-0.081 χ^2/NDF:3770.2/18

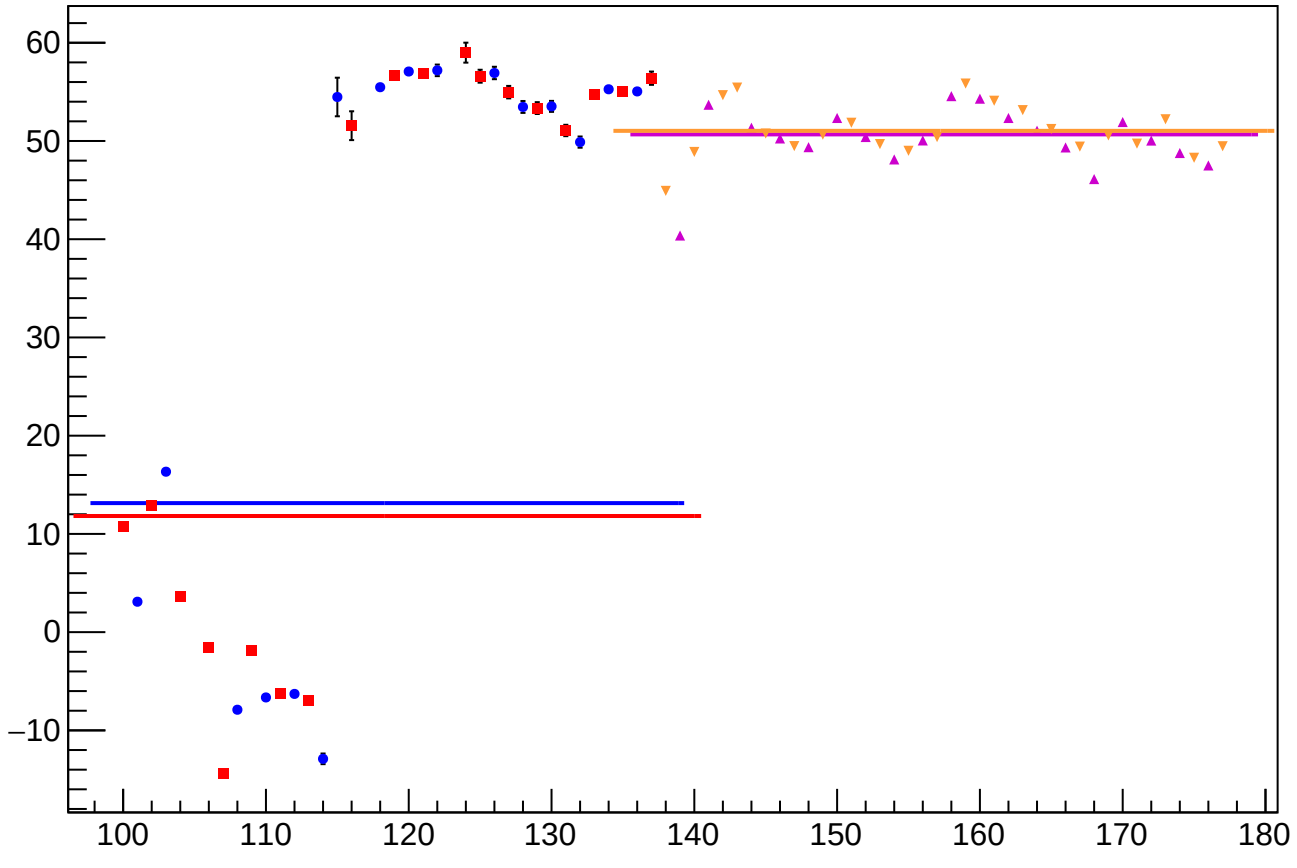
Left: 2.029+/-0.057 χ^2/NDF: 8318.6/39

Right: -0.368+/-0.038 χ^2/NDF: 5133.2/34

In: 0.585+/-0.044 χ^2/NDF:5966.2/34

Out: 0.142+/-0.044 χ^2/NDF:8672.7/39

All: 0.364+/-0.031 χ^2/NDF: 14688.8/74



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 51.032+/-0.067 χ^2/NDF:1298.1/20

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

Left In: 50.670+/-0.069 χ^2/NDF:1424.4/18

Left: 50.859+/-0.048 χ^2/NDF: 2736.6/39

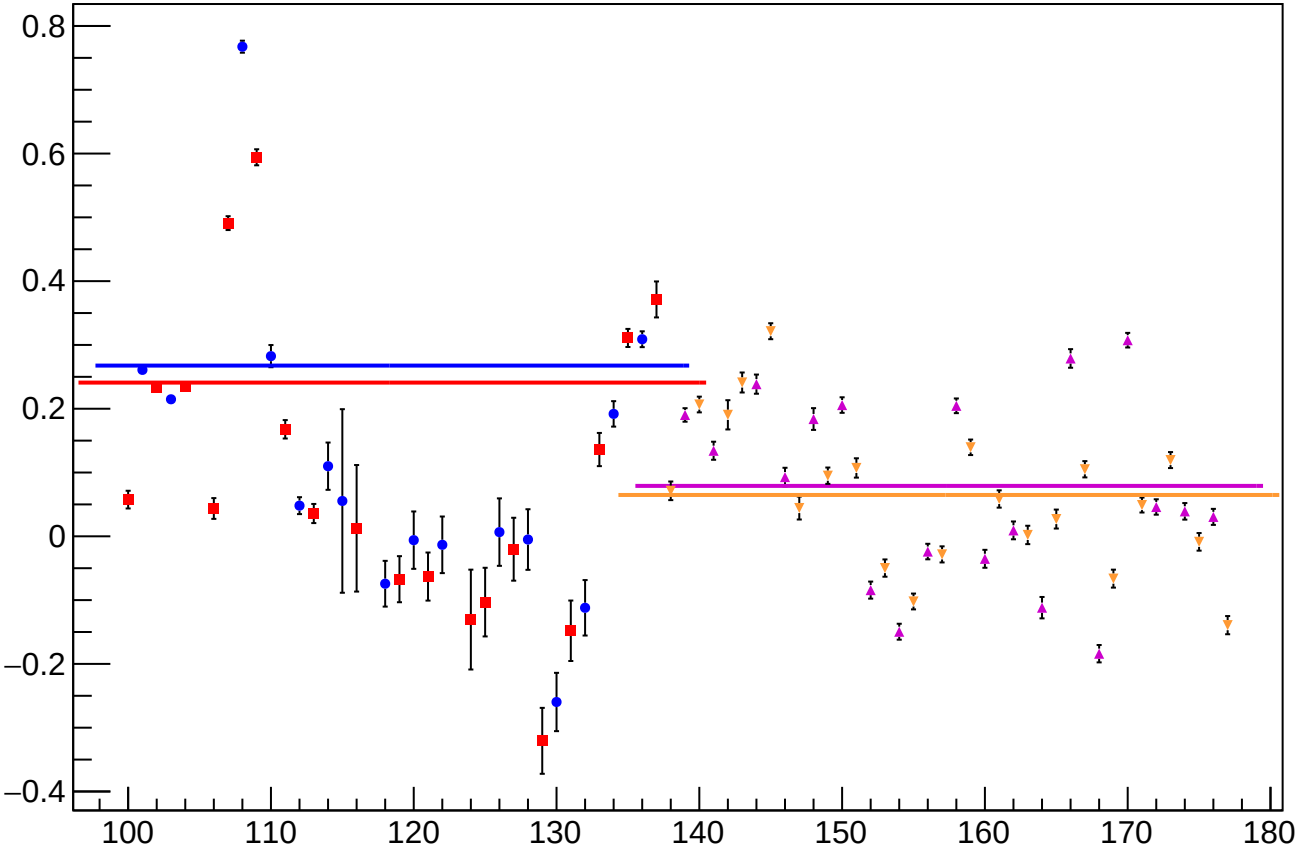
Right: 12.478+/-0.048 χ^2/NDF: 226930.1/34

In: 31.490+/-0.049 χ^2/NDF:259233.6/34

Out: 31.776+/-0.048 χ^2/NDF:289426.6/39

All: 31.636+/-0.034 χ^2/NDF: 548677.8/74

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: 0.065+/-0.003 χ^2/NDF:1446.4/20

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

Left In: 0.079+/-0.003 χ^2/NDF:2270.5/18

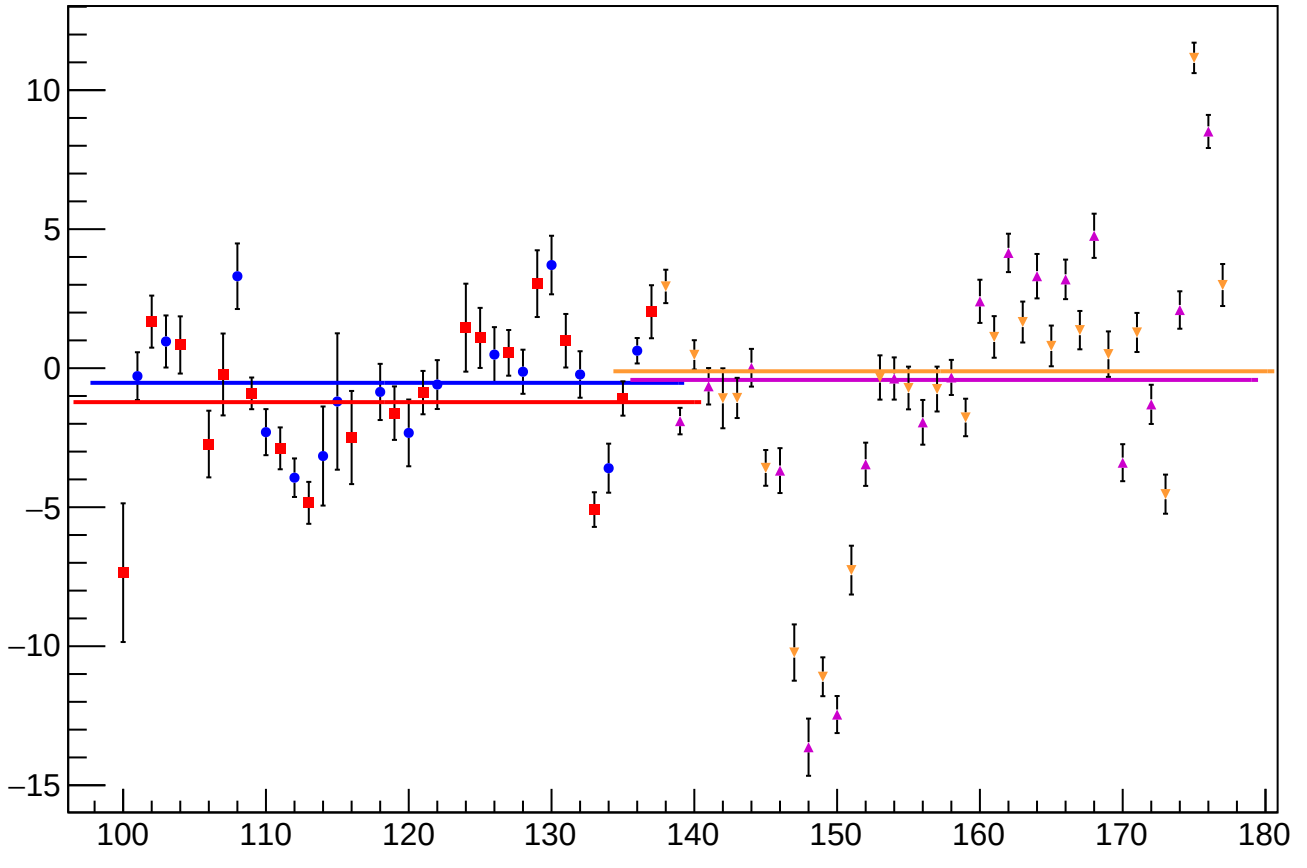
Left: 0.072+/-0.002 χ^2/NDF: 3728.1/39

Right: 0.254+/-0.002 χ^2/NDF: 6105.9/34

In: 0.181+/-0.002 χ^2/NDF:8097.4/34

Out: 0.160+/-0.002 χ^2/NDF:5669.5/39

All: 0.170+/-0.001 χ^2/NDF: 13816.1/74



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: -0.111+/-0.156 χ^2/NDF:979.1/20

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

Left In: -0.422+/-0.160 χ^2/NDF:944.8/18

Left: -0.263+/-0.112 χ^2/NDF: 1925.8/39

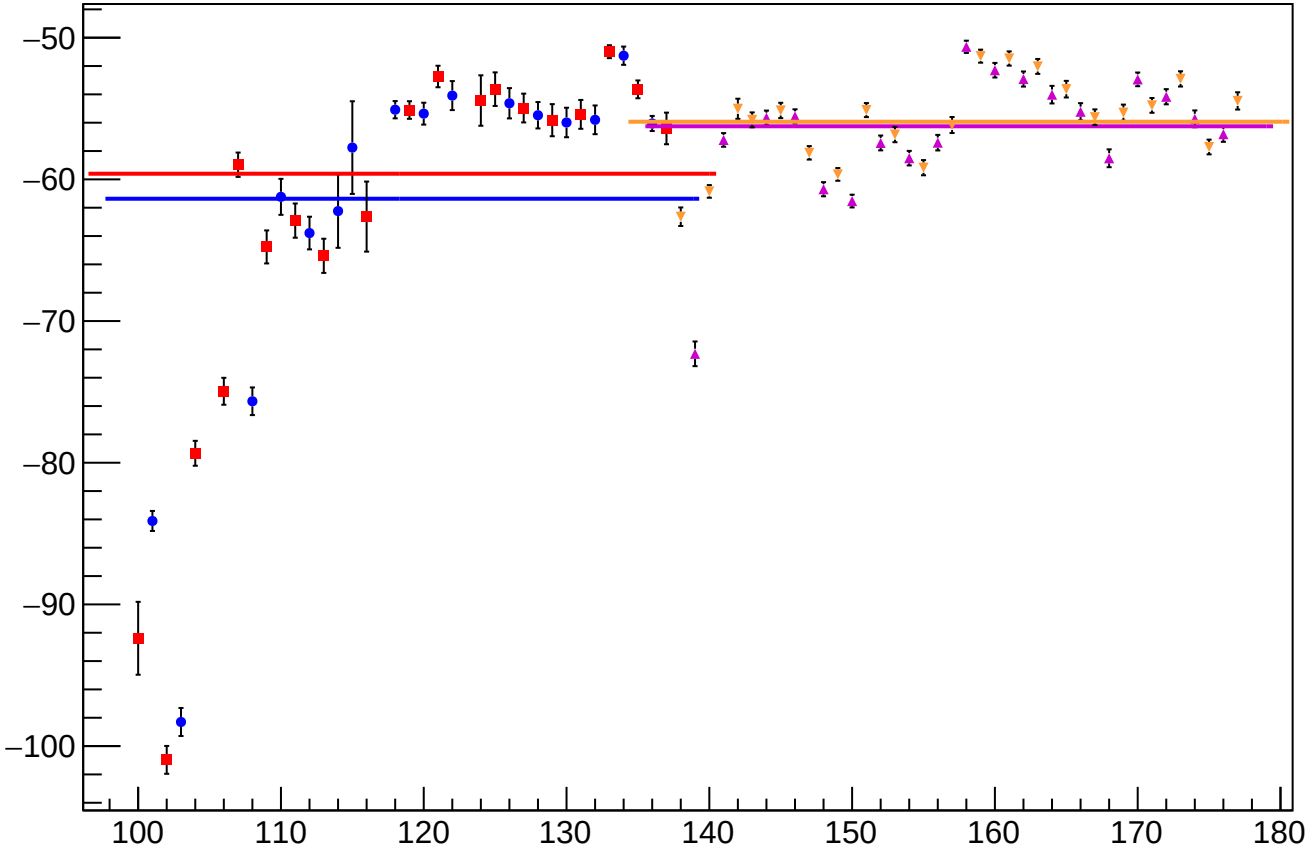
Right: -0.894+/-0.149 χ^2/NDF: 219.1/34

In: -0.459+/-0.129 χ^2/NDF:1027.7/34

Out: -0.519+/-0.124 χ^2/NDF:1128.6/39

All: -0.490+/-0.089 χ^2/NDF: 2156.4/74

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -55.931+/-0.116 χ^2/NDF:668.3/20

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

Left In: -56.253+/-0.122 χ^2/NDF:951.0/18

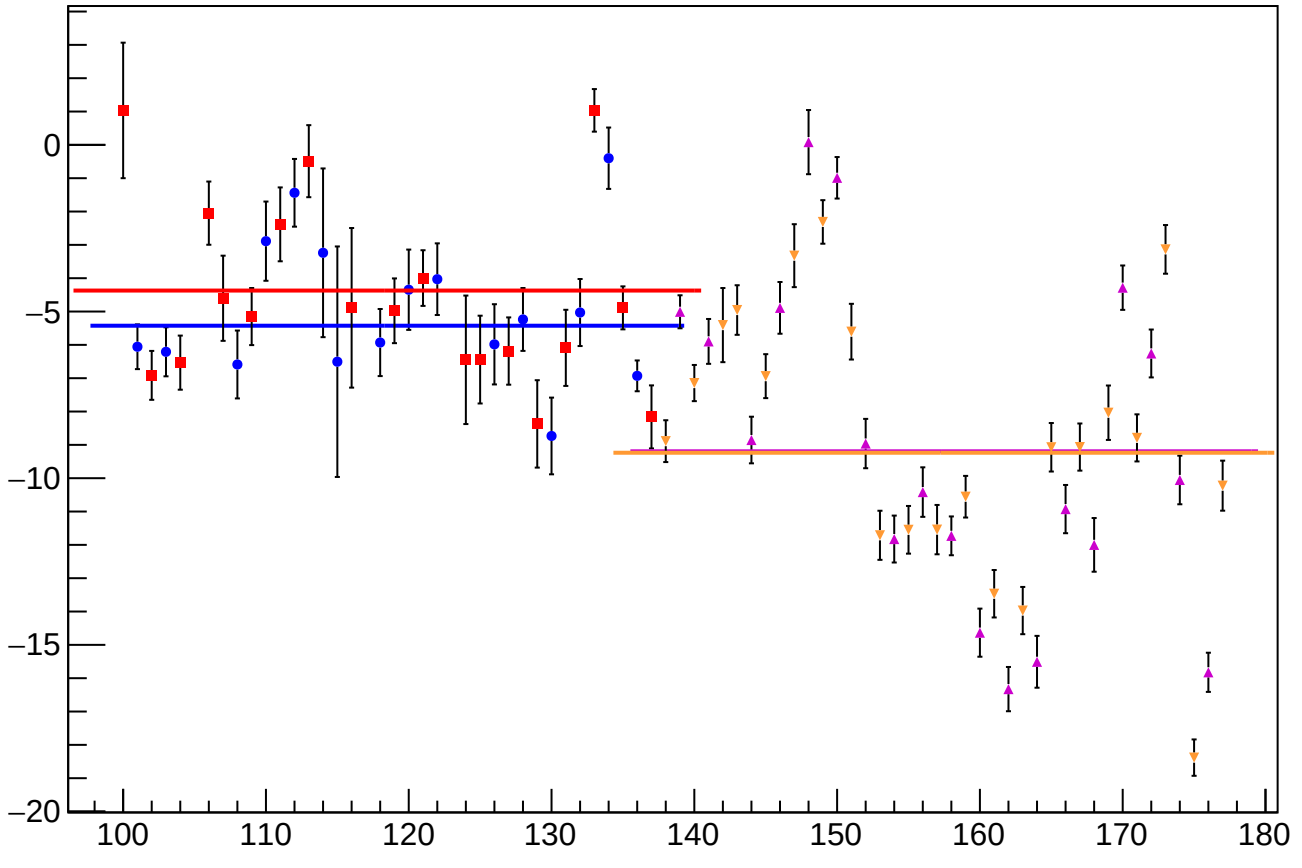
Left: -56.084+/-0.084 χ^2/NDF: 1623.0/39

Right: -60.433+/-0.150 χ^2/NDF: 6806.9/34

In: -57.458+/-0.106 χ^2/NDF:4719.0/34

Out: -56.806+/-0.101 χ^2/NDF:4329.9/39

All: -57.115+/-0.073 χ^2/NDF: 9068.6/74



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -9.236+/-0.154 χ^2/NDF:714.0/20

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

Left In: -9.193+/-0.157 χ^2/NDF:884.6/18

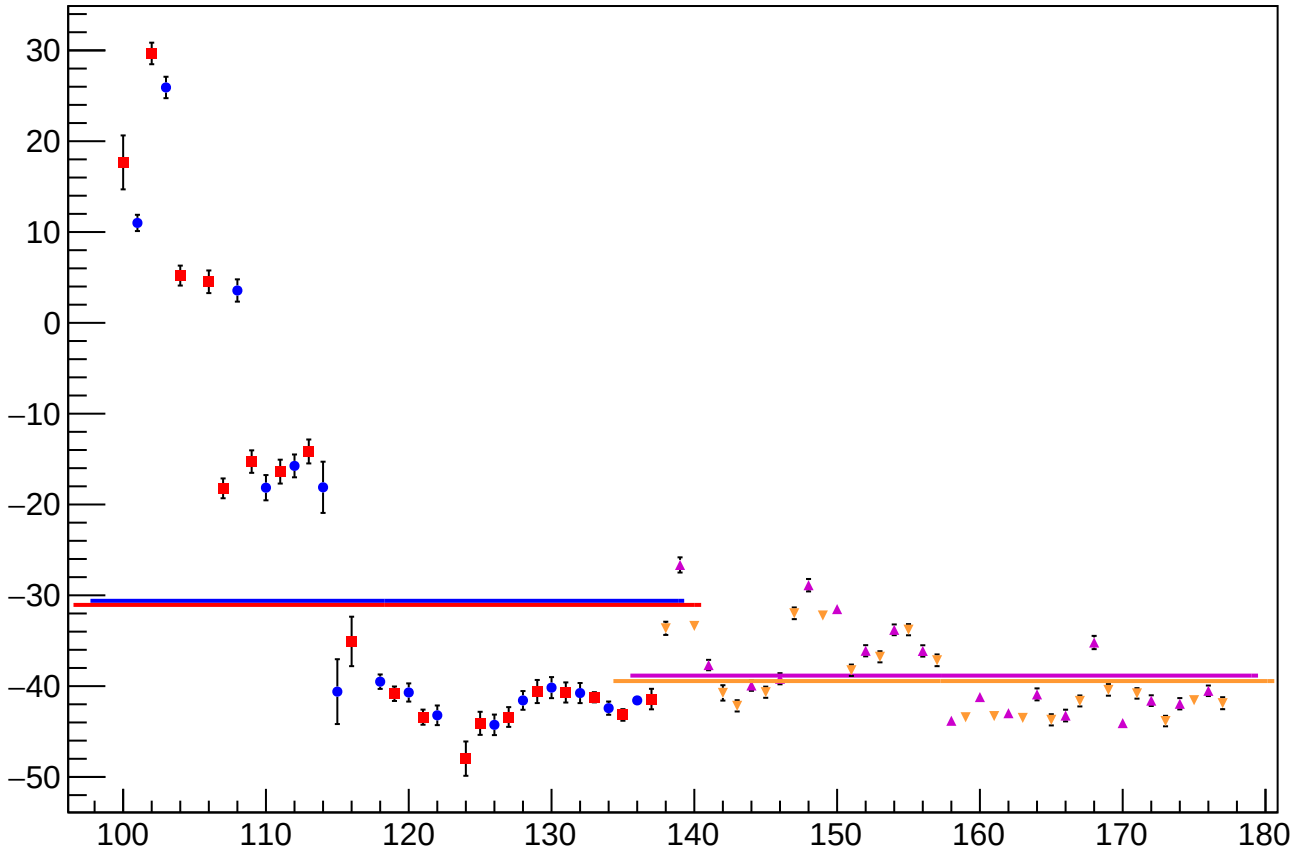
Left: -9.215+/-0.110 χ^2/NDF: 1598.7/39

Right: -4.881+/-0.160 χ^2/NDF: 243.4/34

In: -7.994+/-0.130 χ^2/NDF:1143.6/34

Out: -7.664+/-0.126 χ^2/NDF:1194.3/39

All: -7.825+/-0.091 χ^2/NDF: 2341.2/74



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -39.442+/-0.131 χ^2/NDF:981.5/20

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

Left In: -38.841+/-0.136 χ^2/NDF:1171.2/18

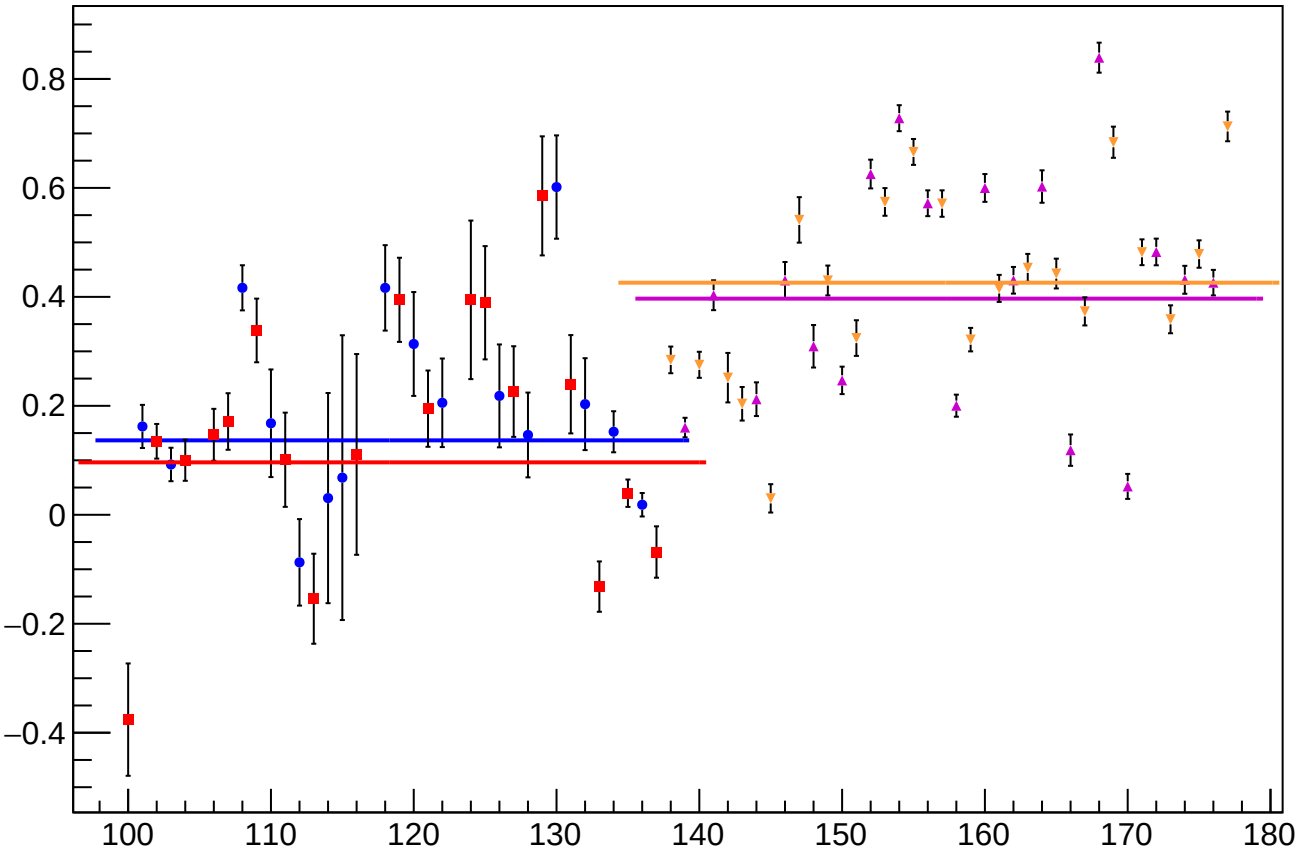
Left: -39.154+/-0.094 χ^2/NDF: 2162.8/39

Right: -30.841+/-0.172 χ^2/NDF: 13916.2/34

In: -36.950+/-0.119 χ^2/NDF:8949.4/34

Out: -37.500+/-0.114 χ^2/NDF:8913.9/39

All: -37.237+/-0.083 χ^2/NDF: 17874.4/74



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

Left Out: 0.426+/-0.006 χ^2/NDF:799.0/20

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

Left In: 0.397+/-0.006 χ^2/NDF:1373.6/18

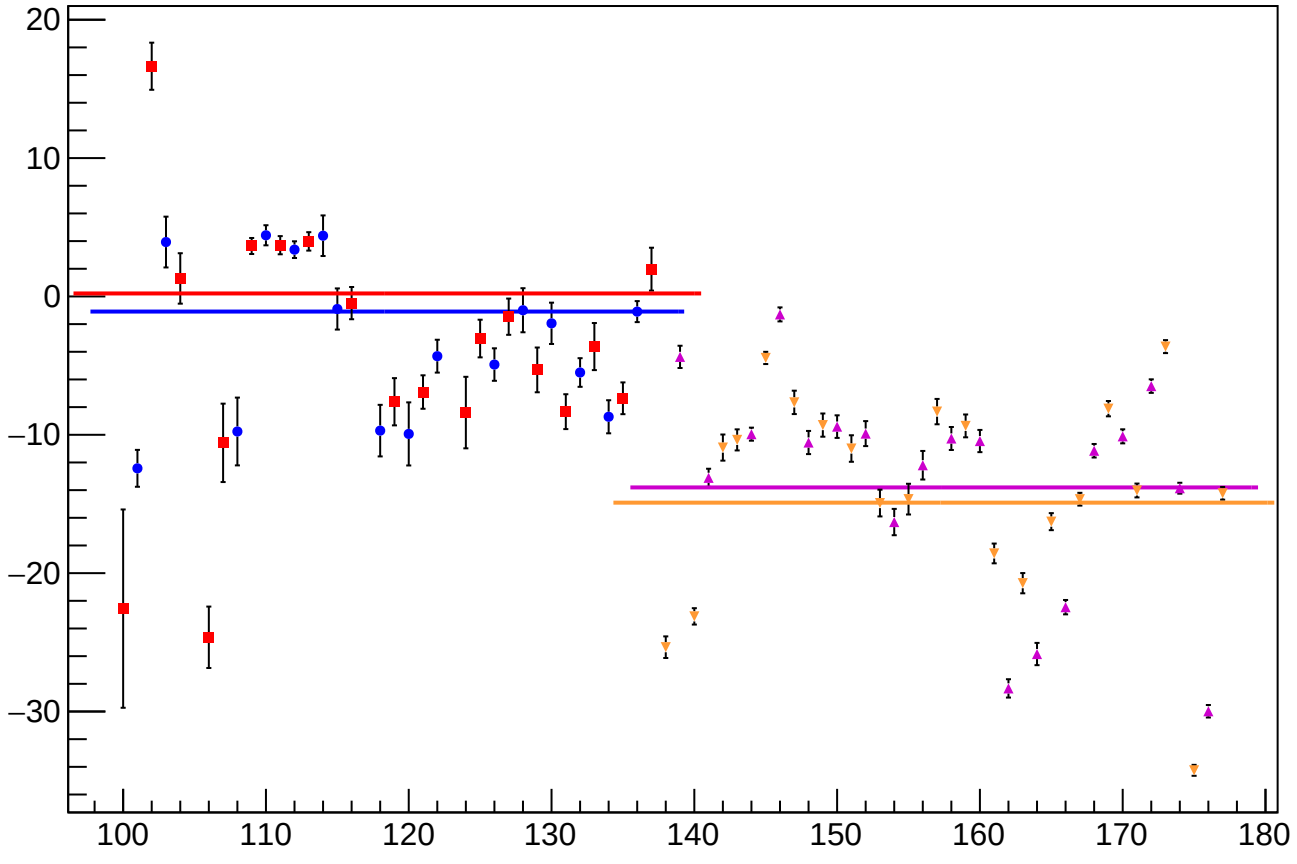
Left: 0.411+/-0.004 χ^2/NDF: 2185.4/39

Right: 0.116+/-0.009 χ^2/NDF: 282.3/34

In: 0.351+/-0.005 χ^2/NDF:1859.3/34

Out: 0.367+/-0.005 χ^2/NDF:1532.0/39

All: 0.359+/-0.004 χ^2/NDF: 3395.9/74



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -14.905+/-0.135 χ^2/NDF:4431.7/20

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

Left In: -13.804+/-0.138 χ^2/NDF:3491.8/18

Left: -14.367+/-0.096 χ^2/NDF: 7956.1/39

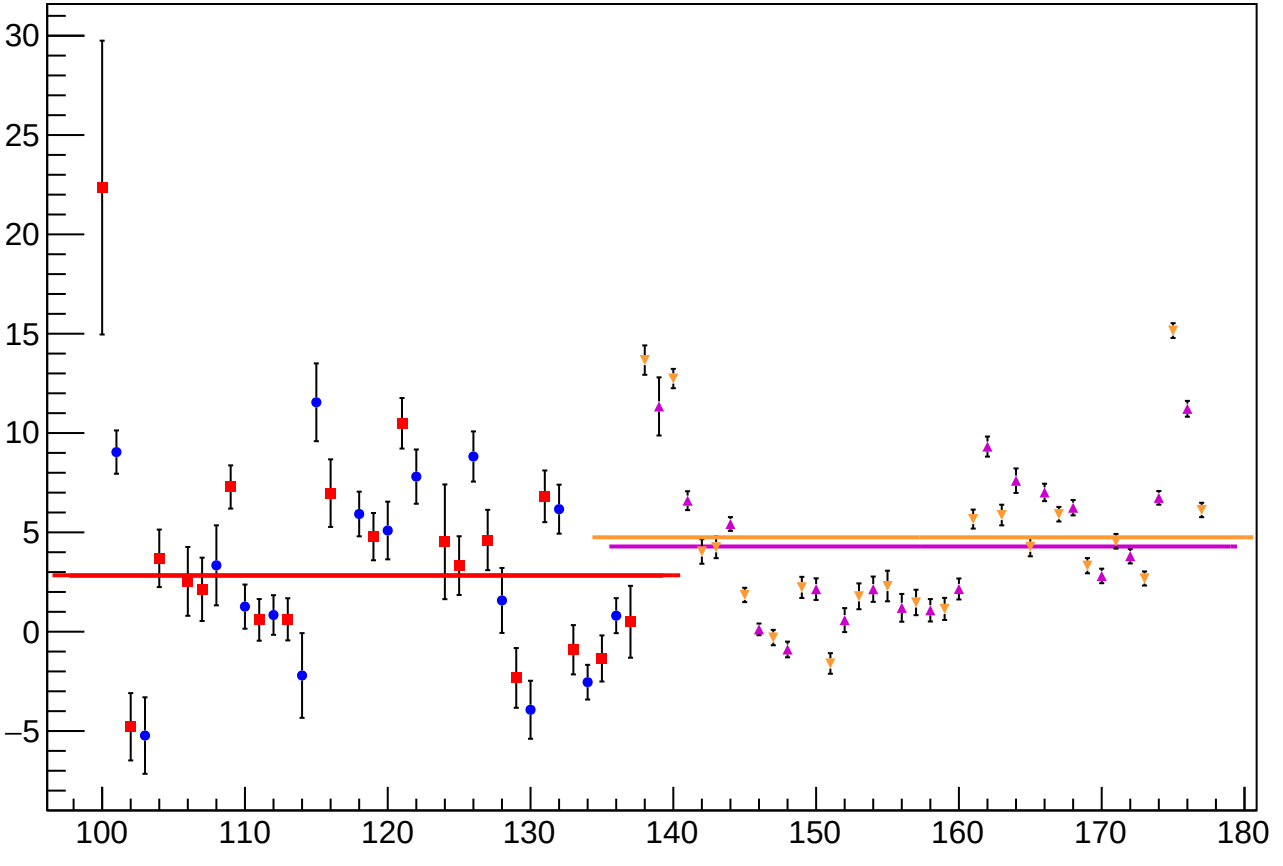
Right: -0.404+/-0.193 χ^2/NDF: 864.2/34

In: -11.331+/-0.124 χ^2/NDF:5477.1/34

Out: -11.815+/-0.120 χ^2/NDF:7520.1/39

All: -11.580+/-0.086 χ^2/NDF: 13005.1/74

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.823+/-0.313 χ^2/NDF: 199.6/15

Left Out: 4.751+/-0.100 χ^2/NDF:1784.9/20

Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

Left In: 4.289+/-0.102 χ^2/NDF:1126.1/18

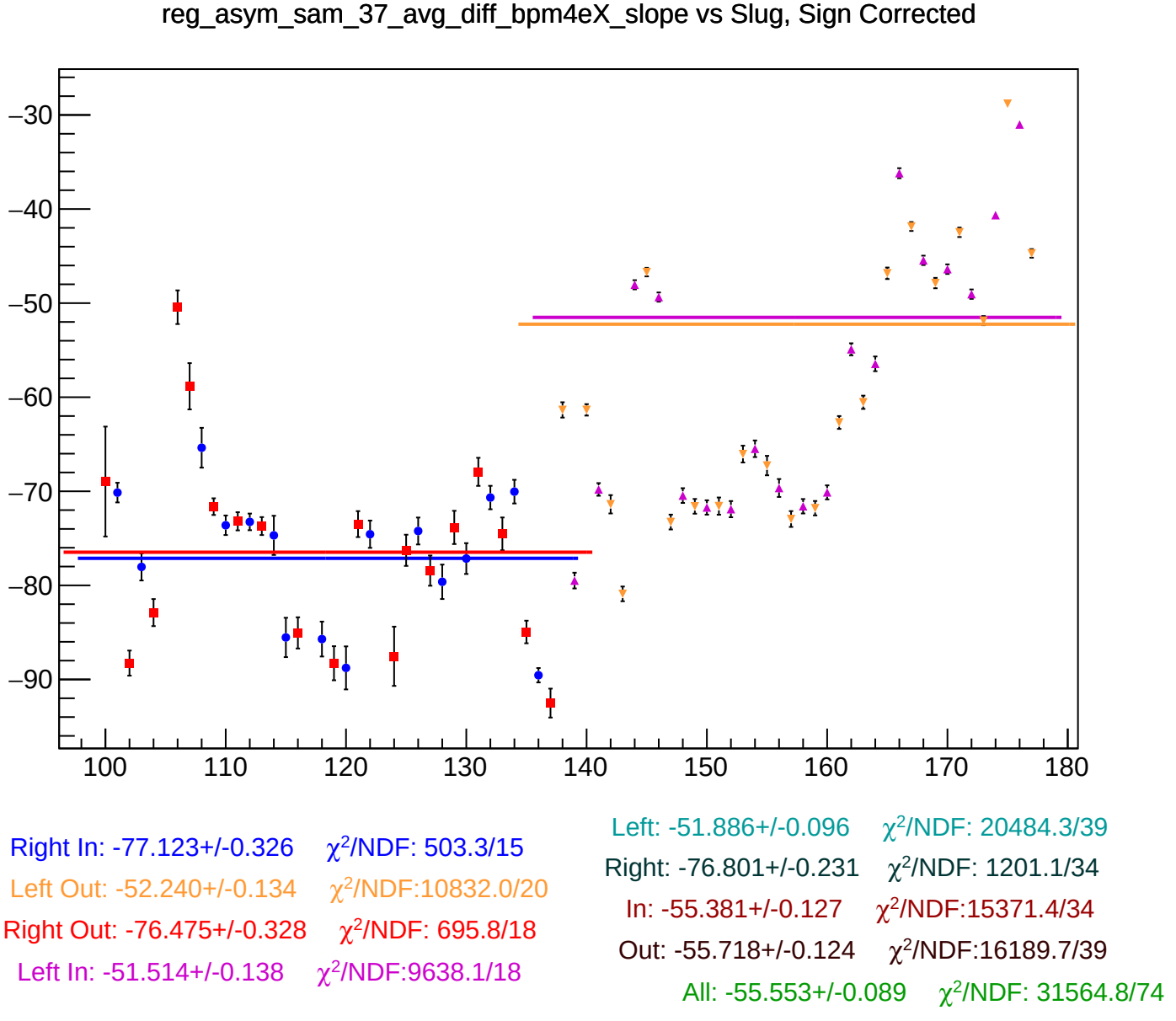
Left: 4.524+/-0.071 χ^2/NDF: 2921.5/39

Right: 2.831+/-0.225 χ^2/NDF: 344.5/34

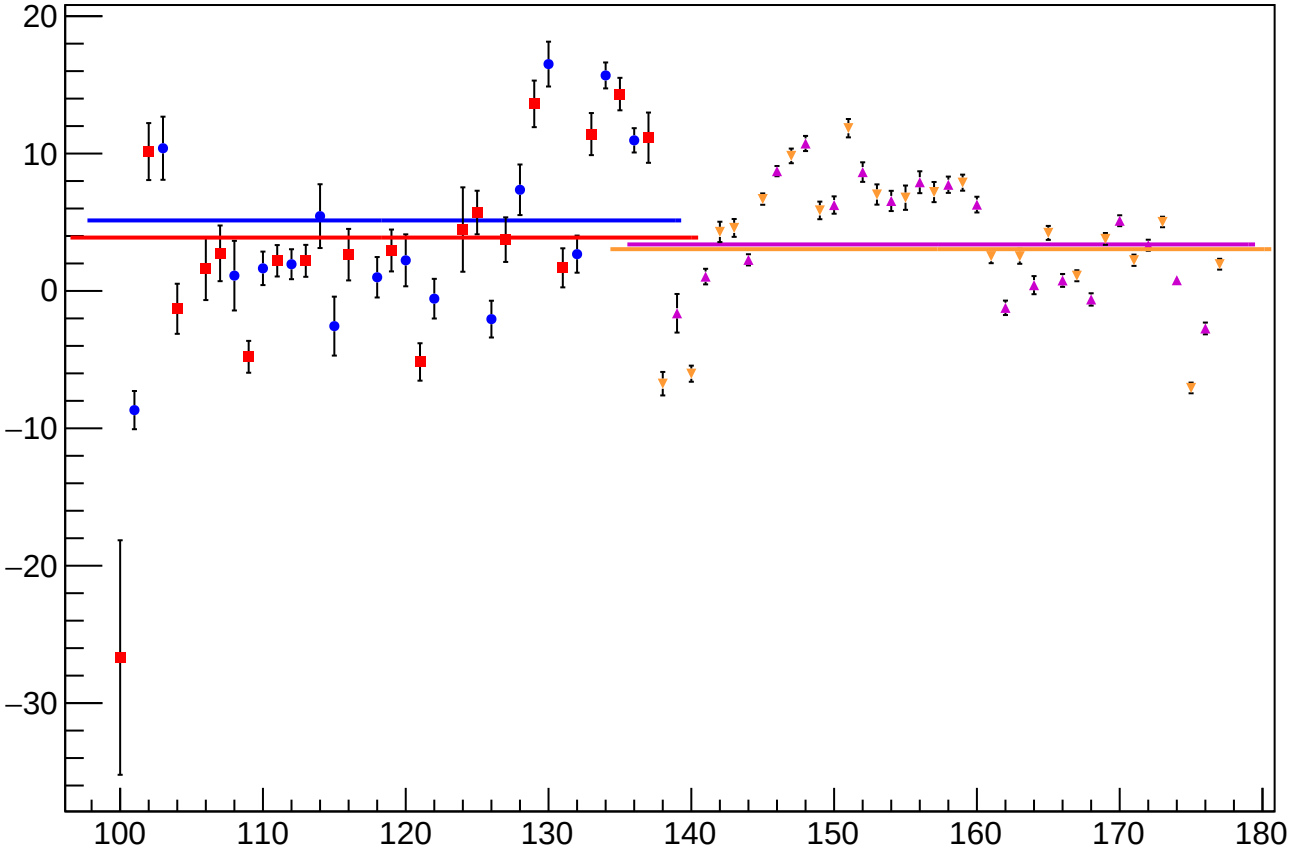
In: 4.149+/-0.097 χ^2/NDF:1345.4/34

Out: 4.583+/-0.096 χ^2/NDF:1961.9/39

All: 4.369+/-0.068 χ^2/NDF: 3317.6/74


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: -52.240+/-0.134 χ²/NDF:10832.0/20
Right Out: -76.475+/-0.328 χ²/NDF: 695.8/18
Left In: -51.514+/-0.138 χ²/NDF:9638.1/18
Left: -51.886+/-0.096 χ²/NDF: 20484.3/39
Right: -76.801+/-0.231 χ²/NDF: 1201.1/34
In: -55.381+/-0.127 χ²/NDF:15371.4/34
Out: -55.718+/-0.124 χ²/NDF:16189.7/39
All: -55.553+/-0.089 χ²/NDF: 31564.8/74

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: 3.040+/-0.113 χ^2/NDF:1703.0/20

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

Left In: 3.386+/-0.115 χ^2/NDF:1108.7/18

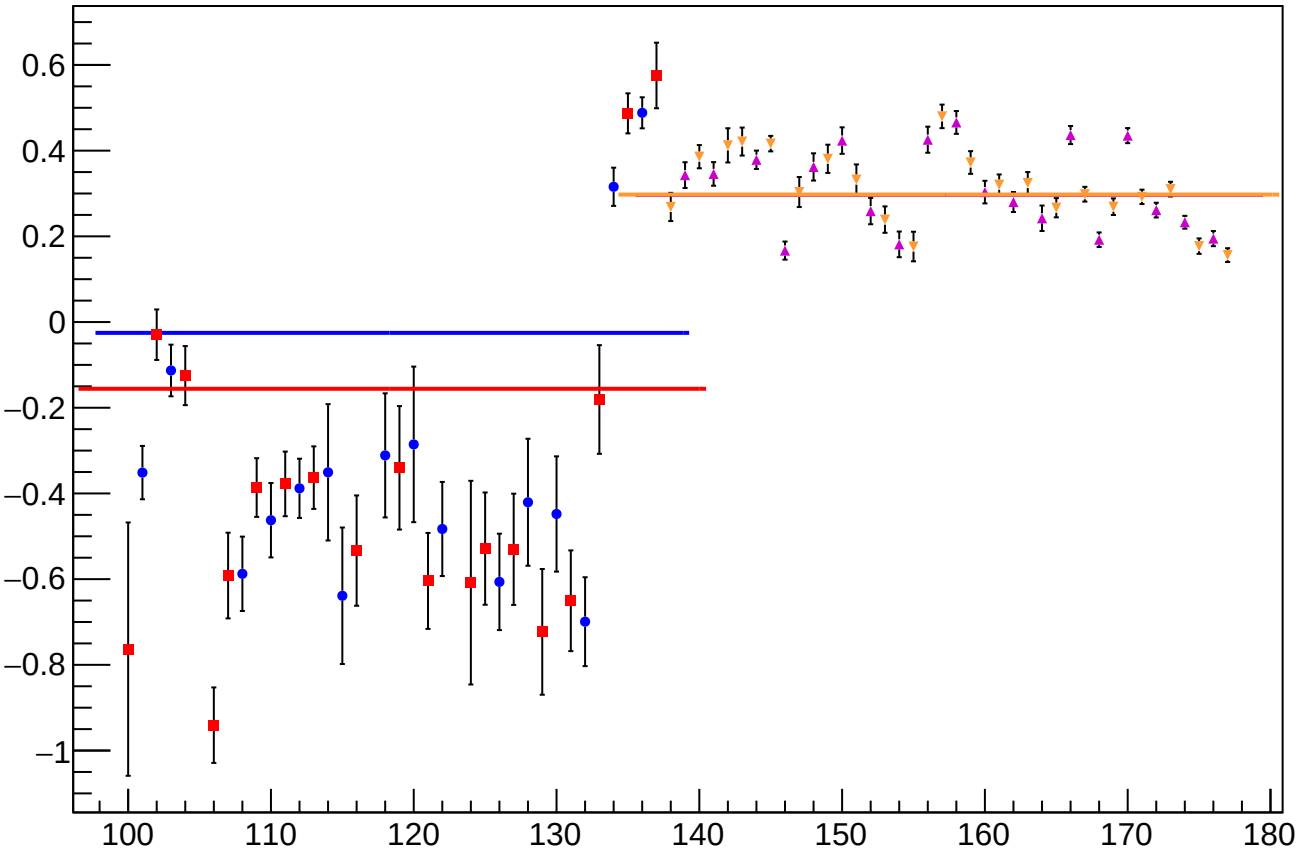
Left: 3.209+/-0.081 χ^2/NDF: 2816.3/39

Right: 4.529+/-0.251 χ^2/NDF: 710.0/34

In: 3.557+/-0.110 χ^2/NDF:1543.5/34

Out: 3.115+/-0.107 χ^2/NDF:1999.4/39

All: 3.332+/-0.077 χ^2/NDF: 3551.2/74



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.297+/-0.005 χ^2/NDF:280.6/20

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

Left In: 0.297+/-0.005 χ^2/NDF:356.9/18

Left: 0.297+/-0.004 χ^2/NDF: 637.5/39

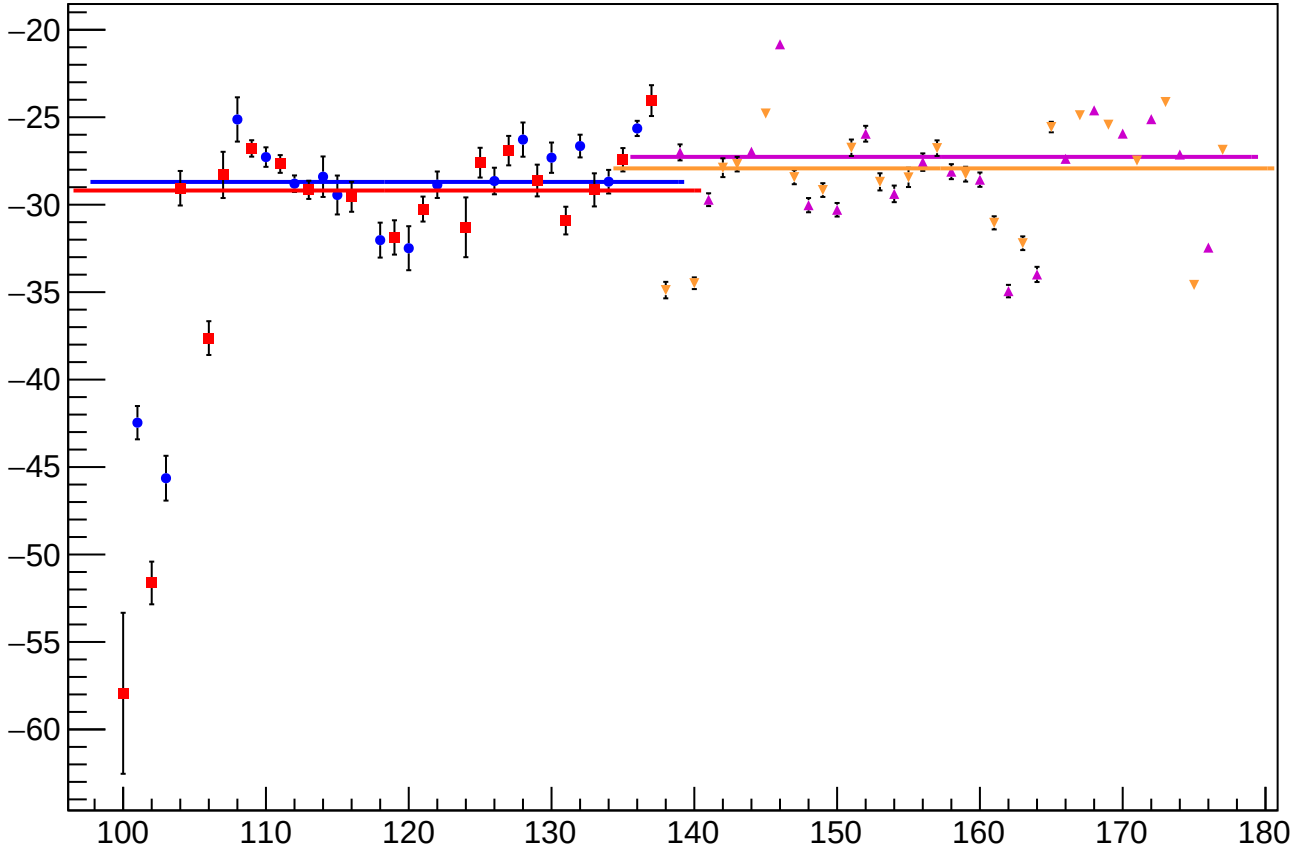
Right: -0.086+/-0.014 χ^2/NDF: 1029.5/34

In: 0.275+/-0.005 χ^2/NDF:1138.2/34

Out: 0.271+/-0.005 χ^2/NDF:1248.8/39

All: 0.273+/-0.003 χ^2/NDF: 2387.3/74

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -27.924+/-0.066 χ^2/NDF:2953.7/20

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

Left In: -27.266+/-0.066 χ^2/NDF:2721.2/18

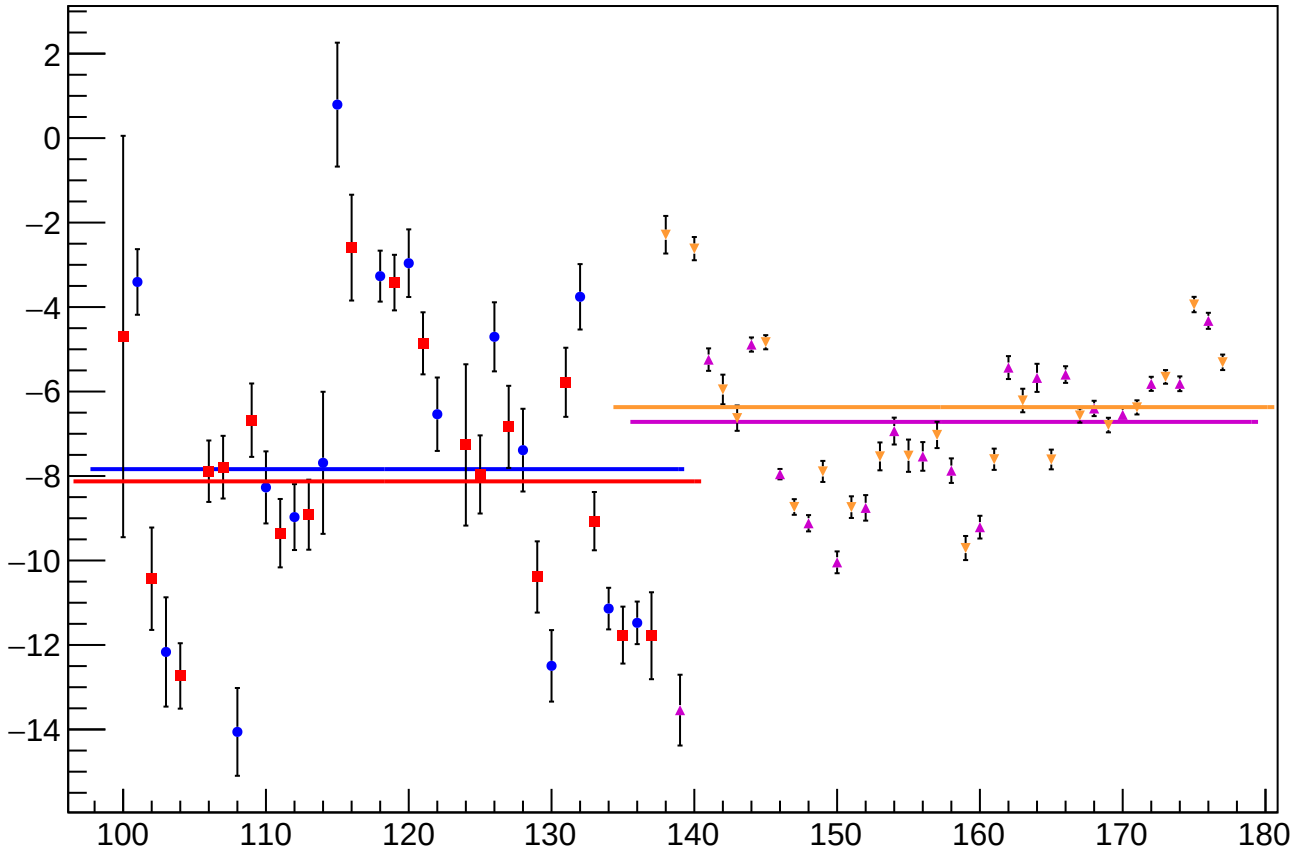
Left: -27.597+/-0.047 χ^2/NDF: 5724.9/39

Right: -28.950+/-0.130 χ^2/NDF: 1048.2/34

In: -27.427+/-0.062 χ^2/NDF:3261.2/34

Out: -28.071+/-0.062 χ^2/NDF:3554.1/39

All: -27.751+/-0.044 χ^2/NDF: 6869.4/74



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -6.369+/-0.049 χ^2/NDF:1095.8/20

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

Left In: -6.719+/-0.048 χ^2/NDF:1073.4/18

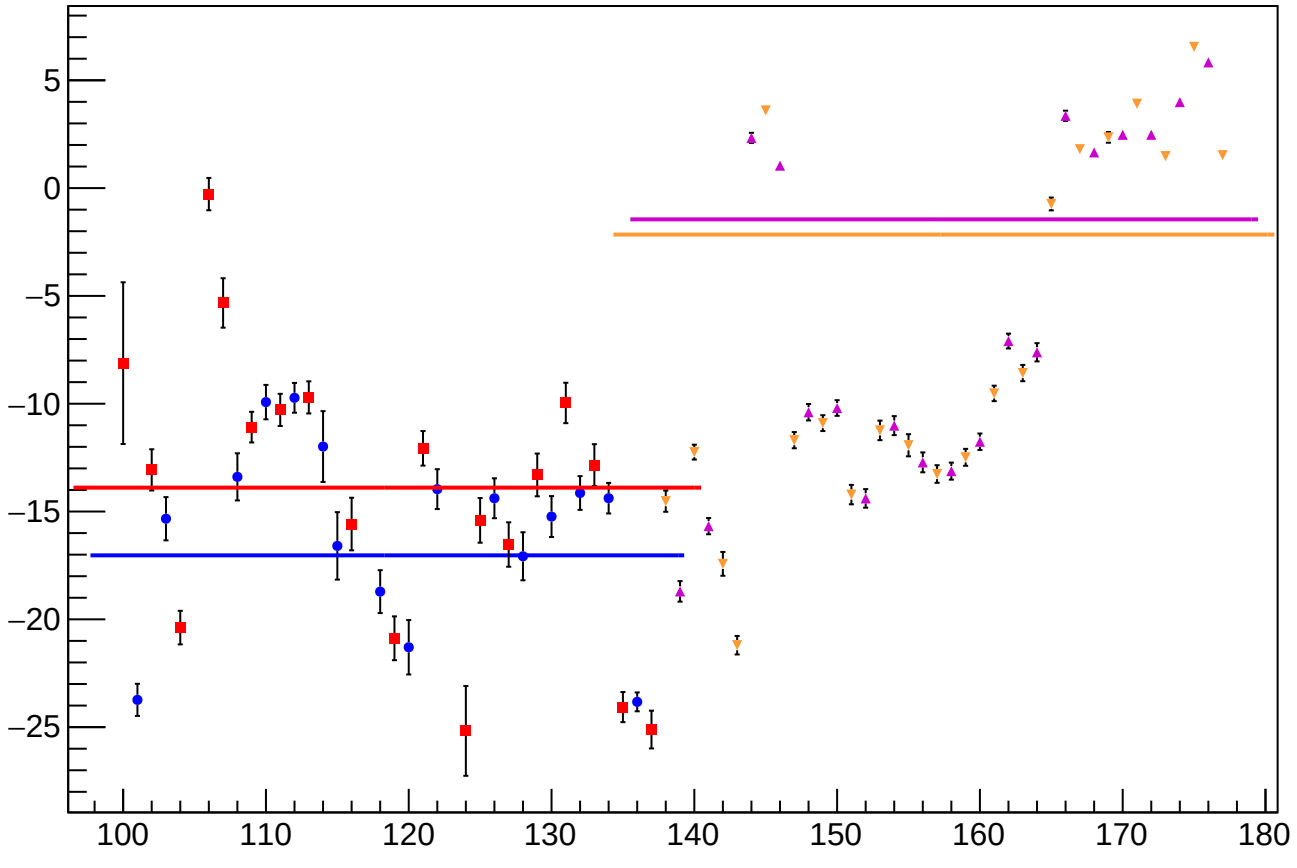
Left: -6.545+/-0.034 χ^2/NDF: 2195.1/39

Right: -7.981+/-0.138 χ^2/NDF: 581.6/34

In: -6.783+/-0.047 χ^2/NDF:1487.6/34

Out: -6.470+/-0.047 χ^2/NDF:1368.4/39

All: -6.628+/-0.033 χ^2/NDF: 2878.0/74



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -2.156+/-0.065 χ^2/NDF:13760.4/20

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

Left In: -1.450+/-0.066 χ^2/NDF:11352.5/18

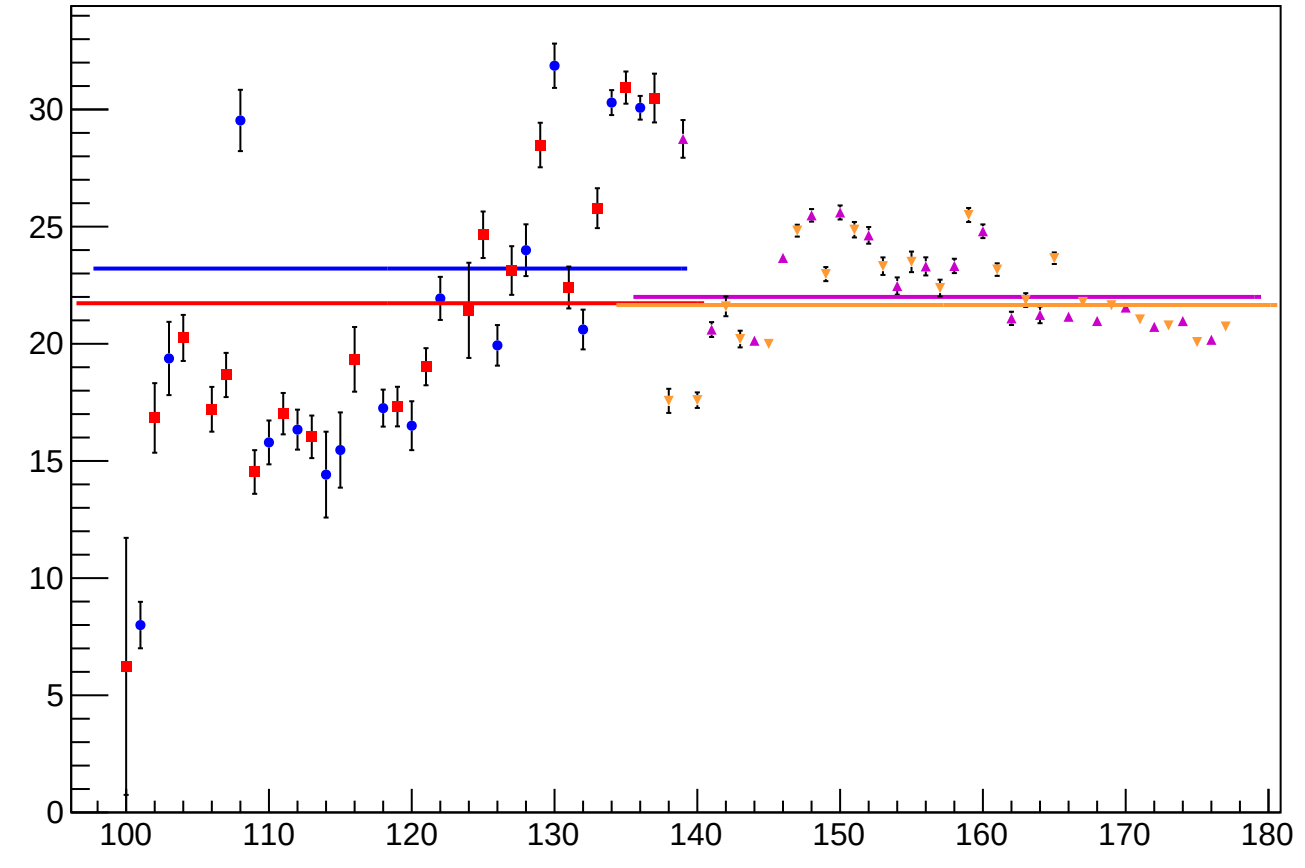
Left: -1.805+/-0.046 χ^2/NDF: 25170.8/39

Right: -15.462+/-0.148 χ^2/NDF: 1731.1/34

In: -2.851+/-0.063 χ^2/NDF:16995.1/34

Out: -3.201+/-0.062 χ^2/NDF:17641.4/39

All: -3.027+/-0.044 χ^2/NDF: 34652.1/74



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 21.656+/-0.055 χ^2/NDF:1004.1/20

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

Left In: 22.001+/-0.055 χ^2/NDF:1009.3/18

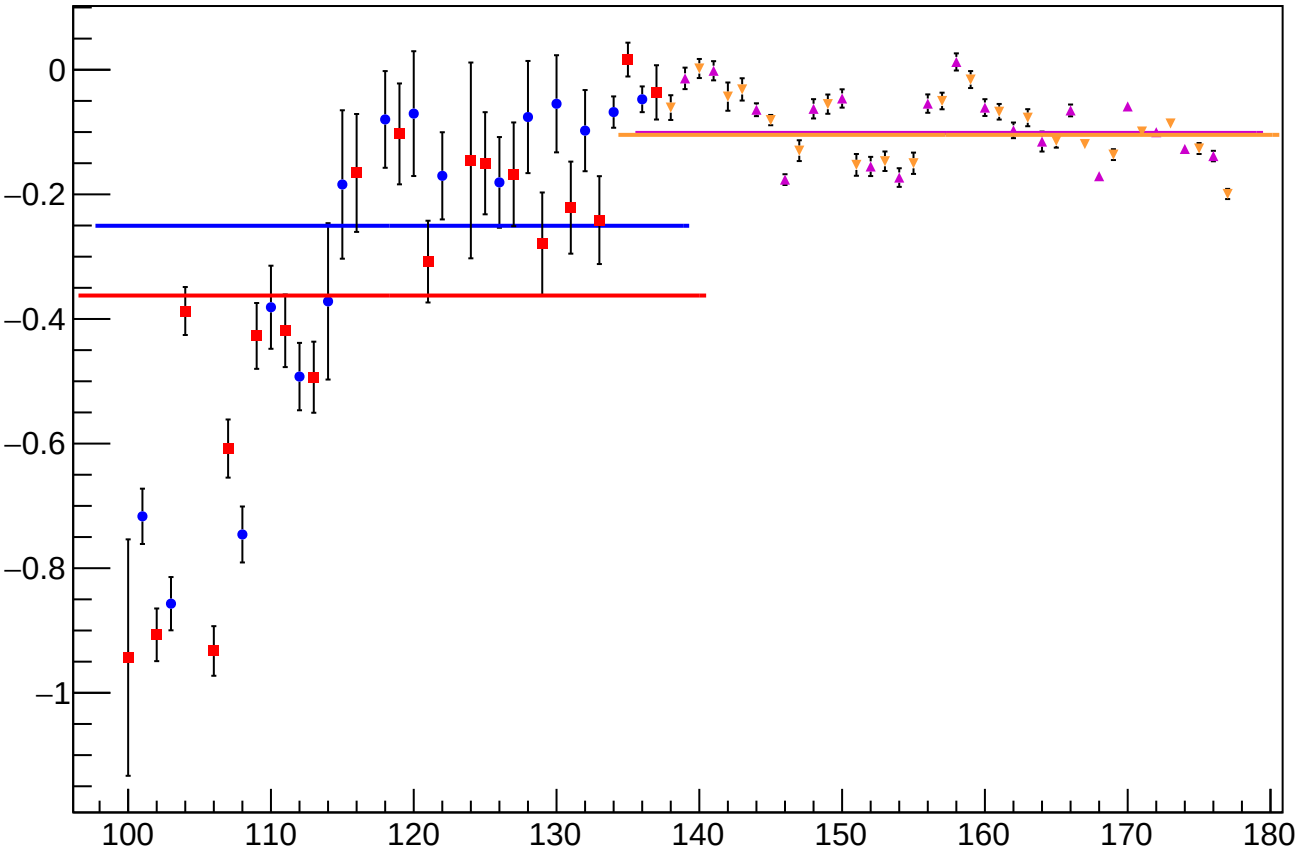
Left: 21.828+/-0.039 χ^2/NDF: 2033.2/39

Right: 22.492+/-0.156 χ^2/NDF: 1588.8/34

In: 22.074+/-0.053 χ^2/NDF:2046.5/34

Out: 21.660+/-0.053 χ^2/NDF:1562.4/39

All: 21.866+/-0.038 χ^2/NDF: 3639.0/74



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.104+/-0.002 χ^2/NDF:356.8/20

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

Left In: -0.101+/-0.002 χ^2/NDF:451.7/18

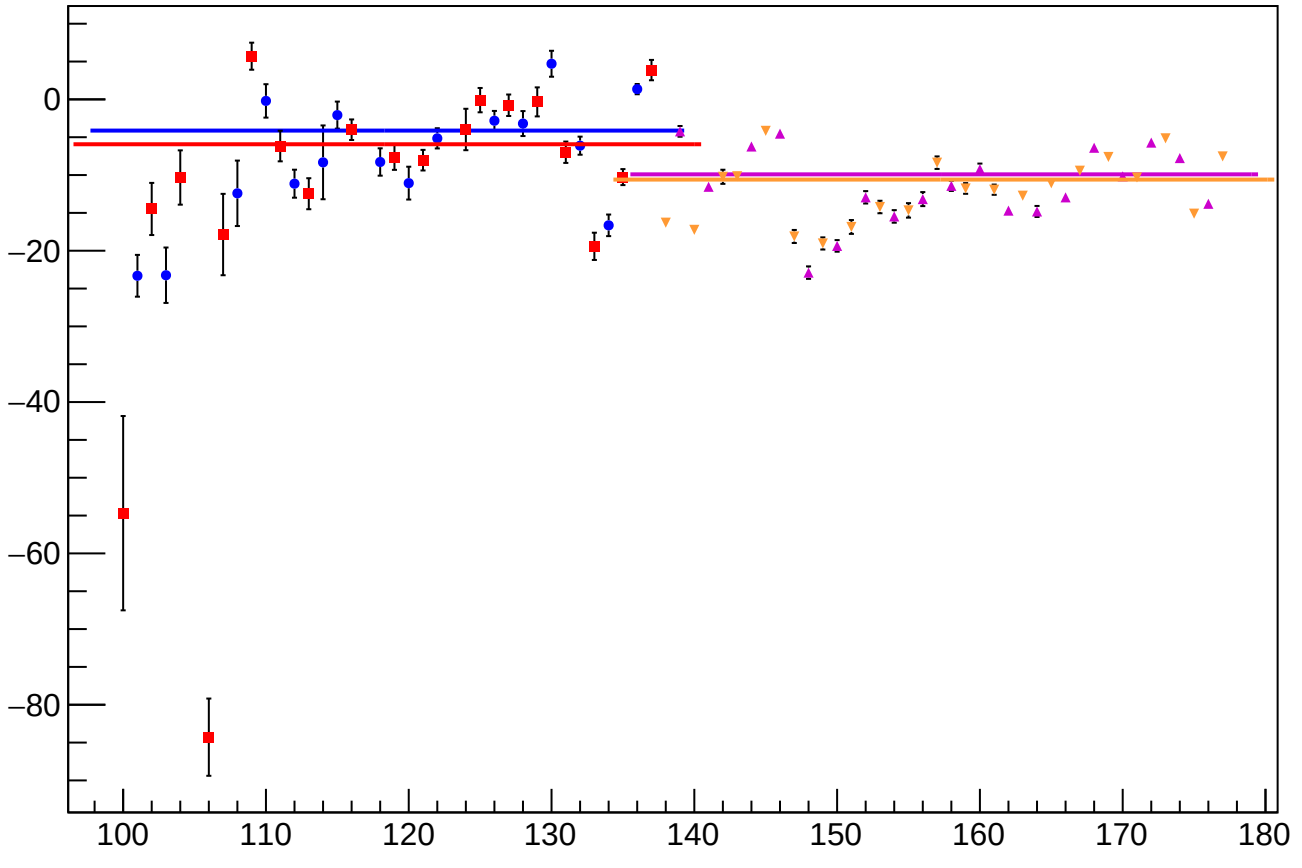
Left: -0.103+/-0.002 χ^2/NDF: 809.3/39

Right: -0.303+/-0.008 χ^2/NDF: 1381.3/34

In: -0.108+/-0.002 χ^2/NDF:1241.7/34

Out: -0.114+/-0.002 χ^2/NDF:1480.9/39

All: -0.111+/-0.002 χ^2/NDF: 2726.1/74



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -10.598+/-0.115 χ^2/NDF:1330.5/20

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

Left In: -9.907+/-0.118 χ^2/NDF:1292.9/18

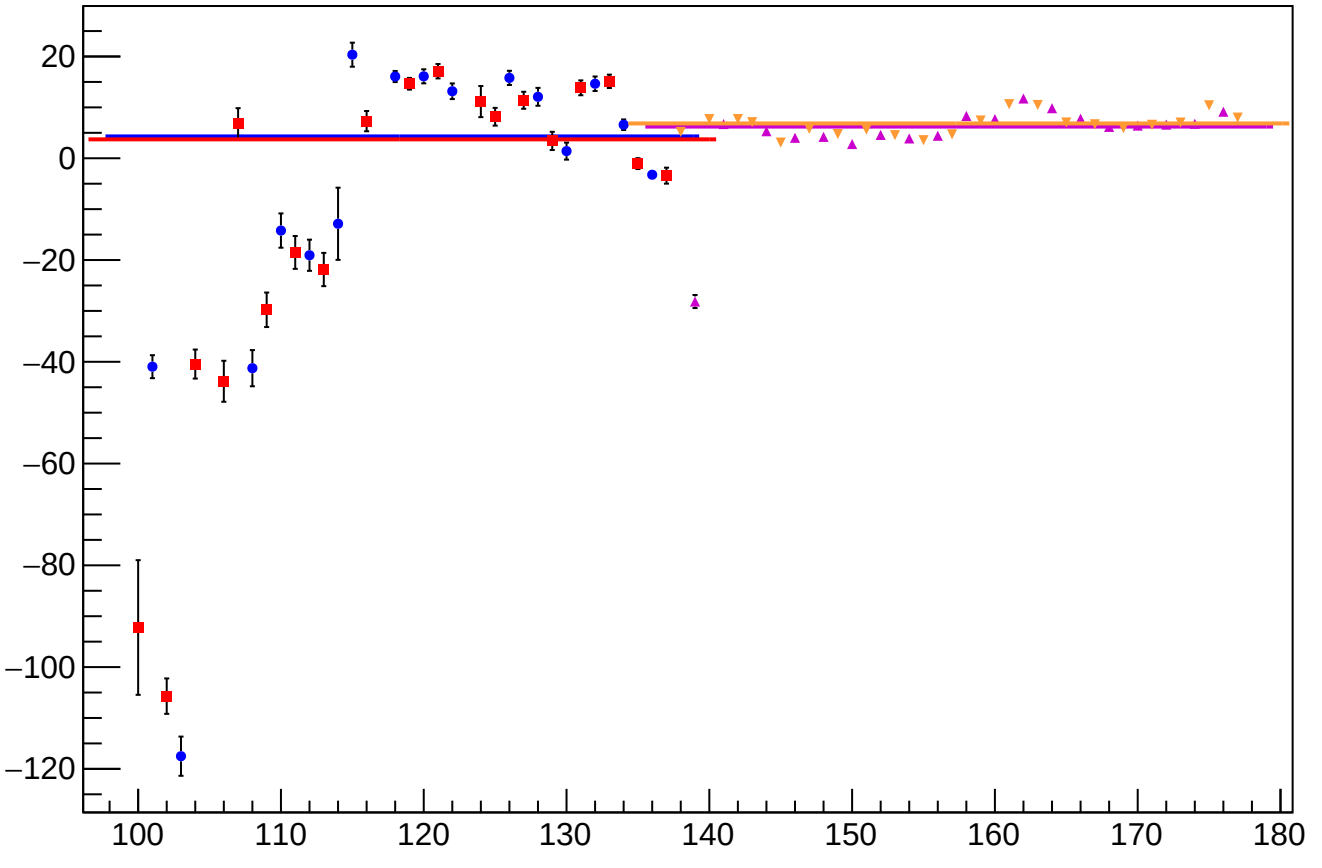
Left: -10.261+/-0.082 χ^2/NDF: 2641.0/39

Right: -4.968+/-0.279 χ^2/NDF: 781.0/34

In: -9.404+/-0.113 χ^2/NDF:1790.3/34

Out: -10.255+/-0.111 χ^2/NDF:1934.6/39

All: -9.837+/-0.079 χ^2/NDF: 3753.9/74



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 6.844+/-0.086 χ^2/NDF:559.7/20

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

Left In: 6.227+/-0.088 χ^2/NDF:1236.1/18

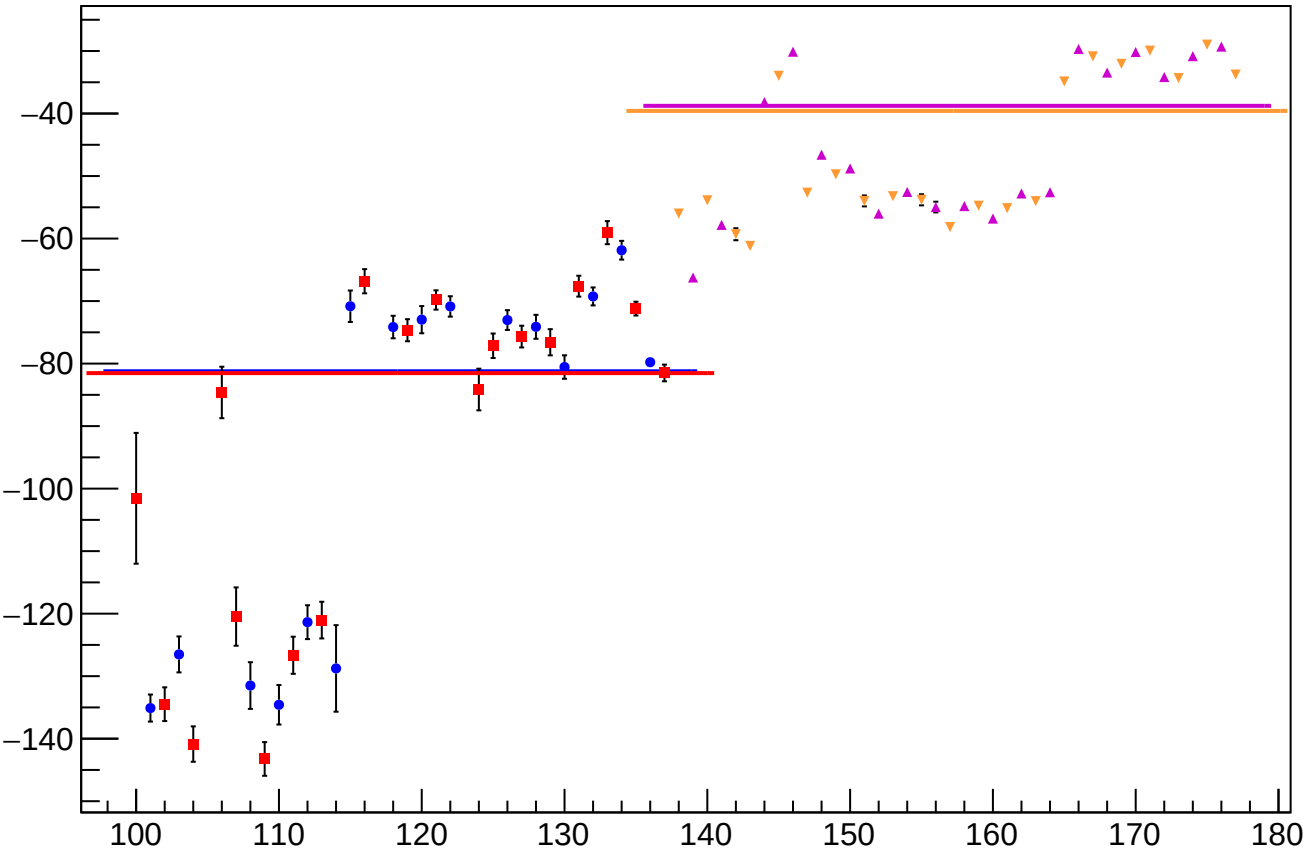
Left: 6.541+/-0.062 χ^2/NDF: 1820.8/39

Right: 4.031+/-0.285 χ^2/NDF: 4177.4/34

In: 6.131+/-0.086 χ^2/NDF:3429.2/34

Out: 6.718+/-0.085 χ^2/NDF:2619.5/39

All: 6.428+/-0.060 χ^2/NDF: 6072.4/74



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -39.582+/-0.115 χ^2/NDF:9228.2/20

Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

Left In: -38.769+/-0.118 χ^2/NDF:8886.6/18

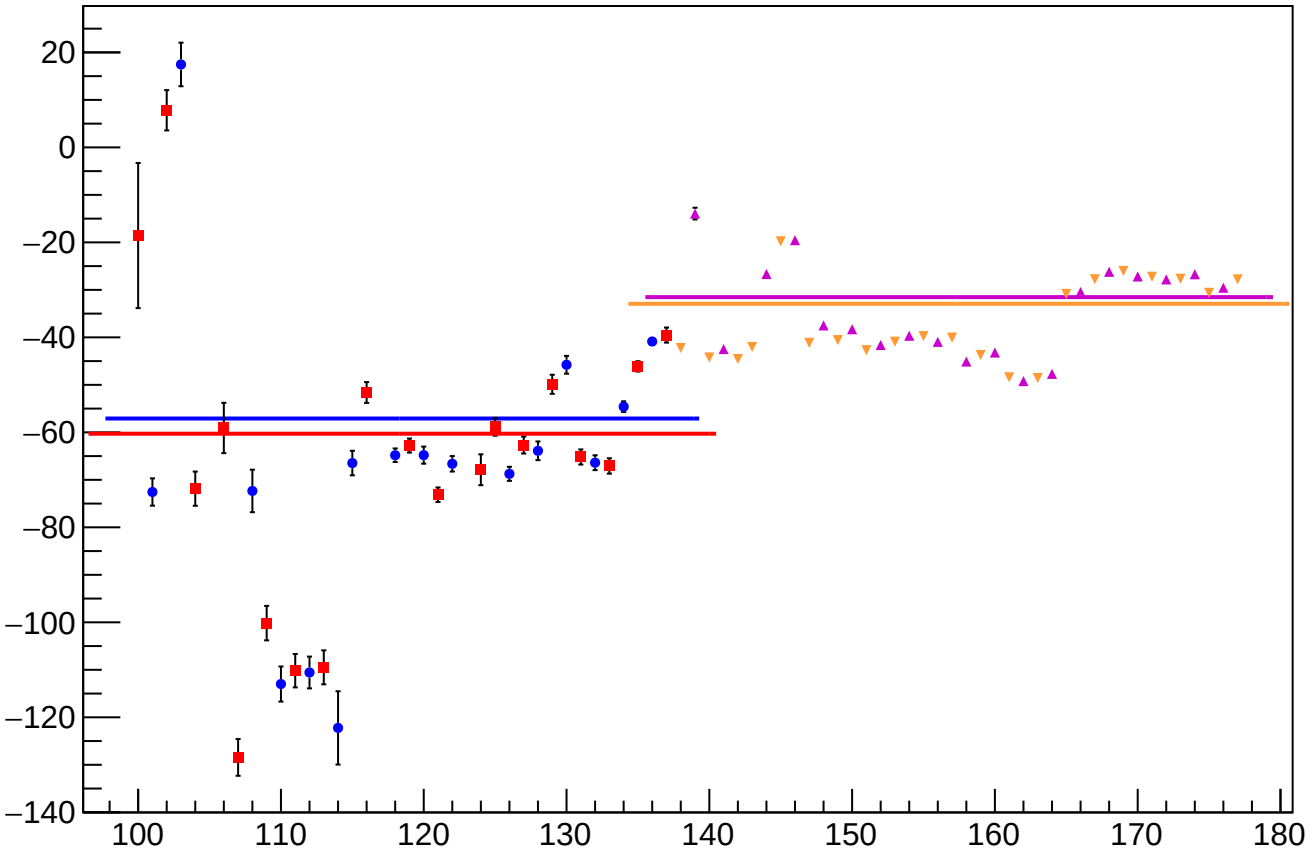
Left: -39.185+/-0.082 χ^2/NDF: 18139.3/39

Right: -81.362+/-0.309 χ^2/NDF: 4264.5/34

In: -41.902+/-0.113 χ^2/NDF:20469.2/34

Out: -42.024+/-0.111 χ^2/NDF:19296.3/39

All: -41.964+/-0.079 χ^2/NDF: 39766.1/74



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -32.932+/-0.097 χ^2/NDF:7539.0/20

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

Left In: -31.527+/-0.099 χ^2/NDF:7284.2/18

Left: -32.248+/-0.069 χ^2/NDF: 14926.1/39

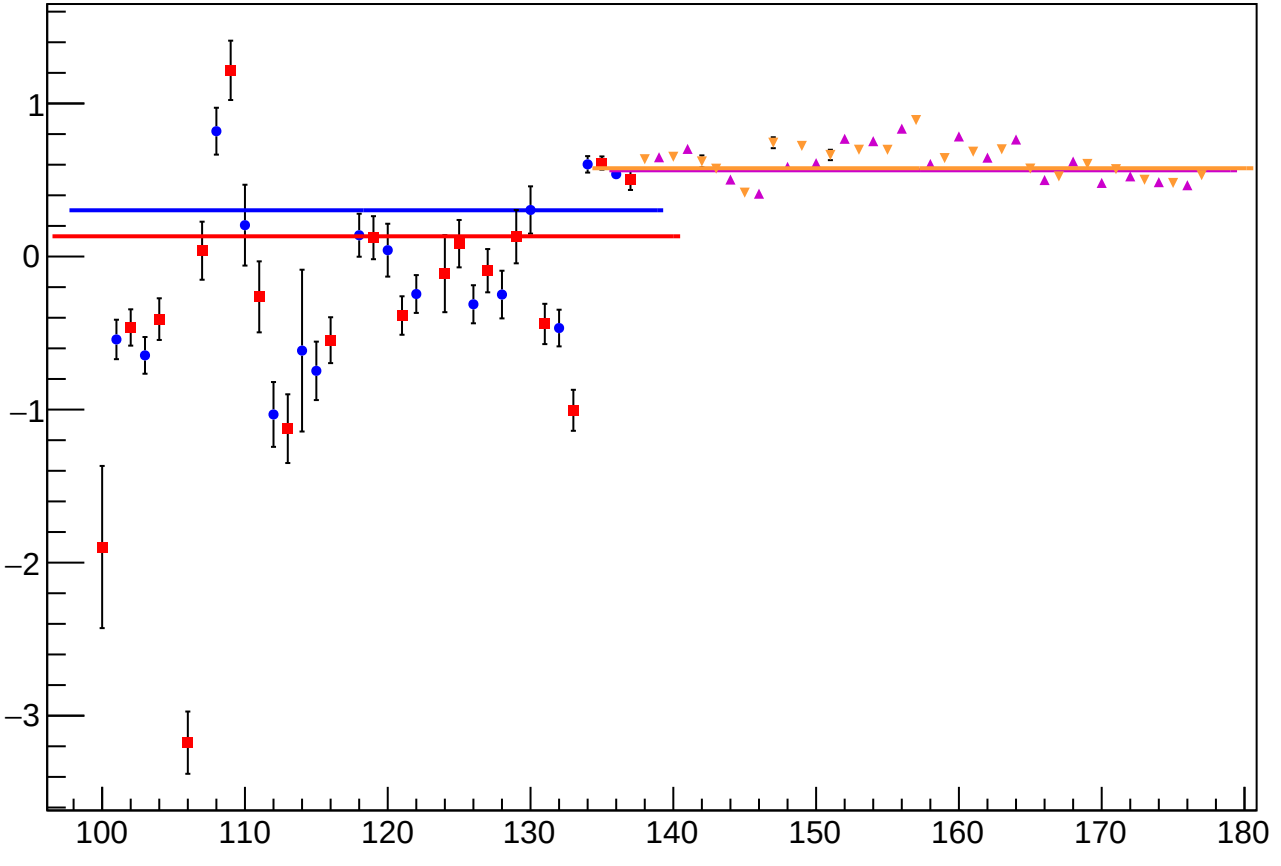
Right: -58.530+/-0.316 χ^2/NDF: 3140.1/34

In: -32.844+/-0.097 χ^2/NDF:12230.3/34

Out: -34.042+/-0.095 χ^2/NDF:12376.6/39

All: -33.455+/-0.068 χ^2/NDF: 24685.3/74

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: 0.577+/-0.004 χ^2/NDF:534.4/20

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

Left In: 0.563+/-0.004 χ^2/NDF:649.5/18

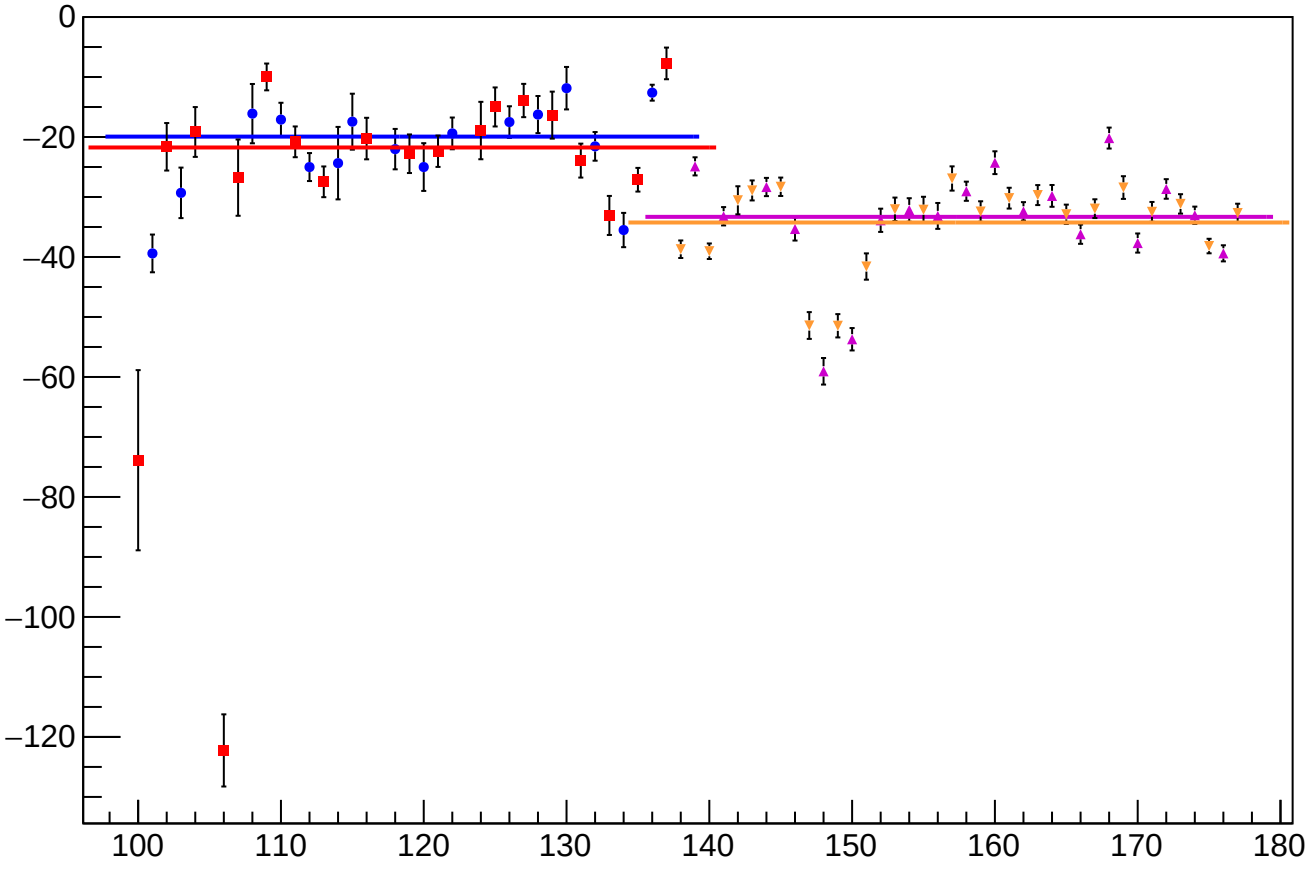
Left: 0.570+/-0.003 χ^2/NDF: 1188.6/39

Right: 0.229+/-0.017 χ^2/NDF: 1070.8/34

In: 0.554+/-0.004 χ^2/NDF:1149.4/34

Out: 0.565+/-0.004 χ^2/NDF:1481.1/39

All: 0.560+/-0.003 χ^2/NDF: 2633.8/74



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -34.251+/-0.368 χ^2/NDF:258.0/20

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

Left In: -33.309+/-0.386 χ^2/NDF:427.7/18

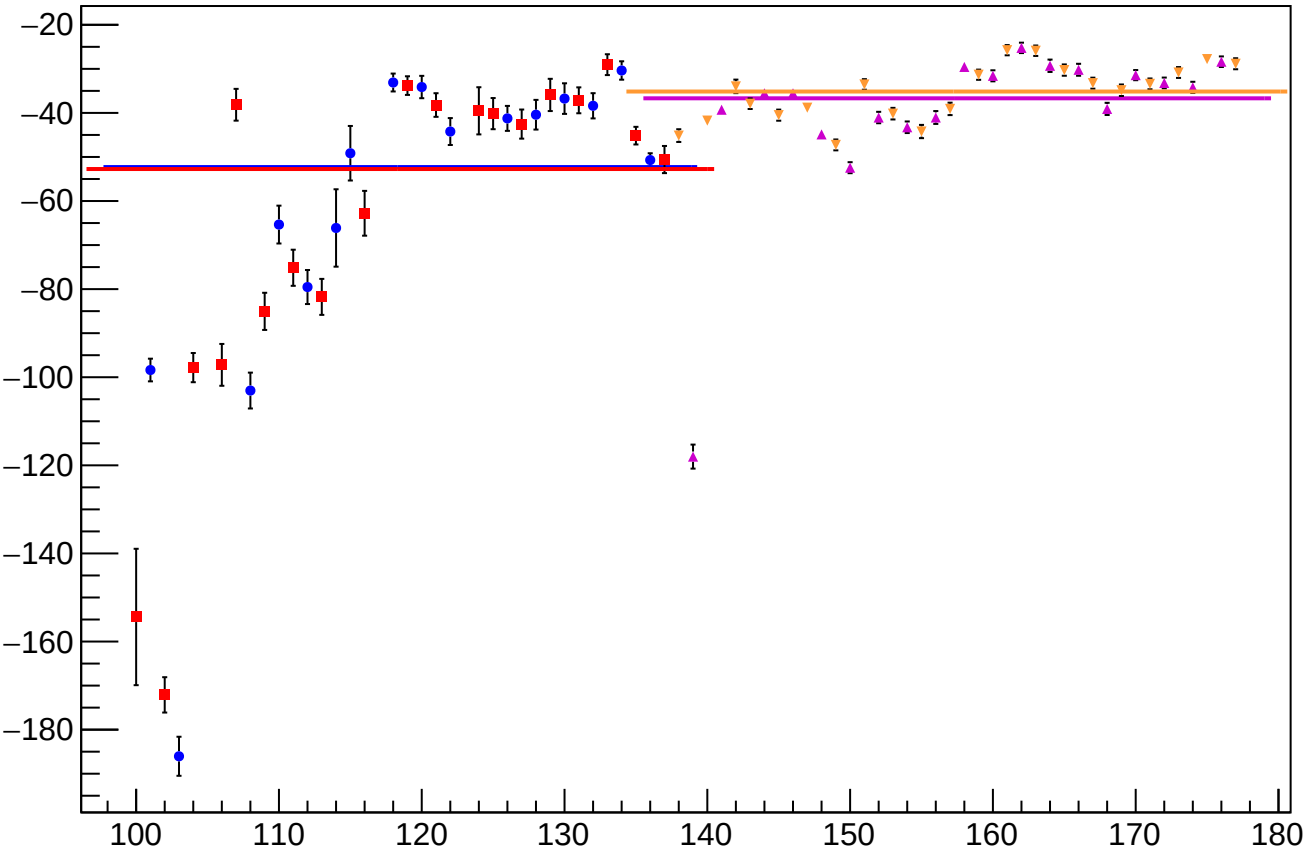
Left: -33.802+/-0.266 χ^2/NDF: 688.9/39

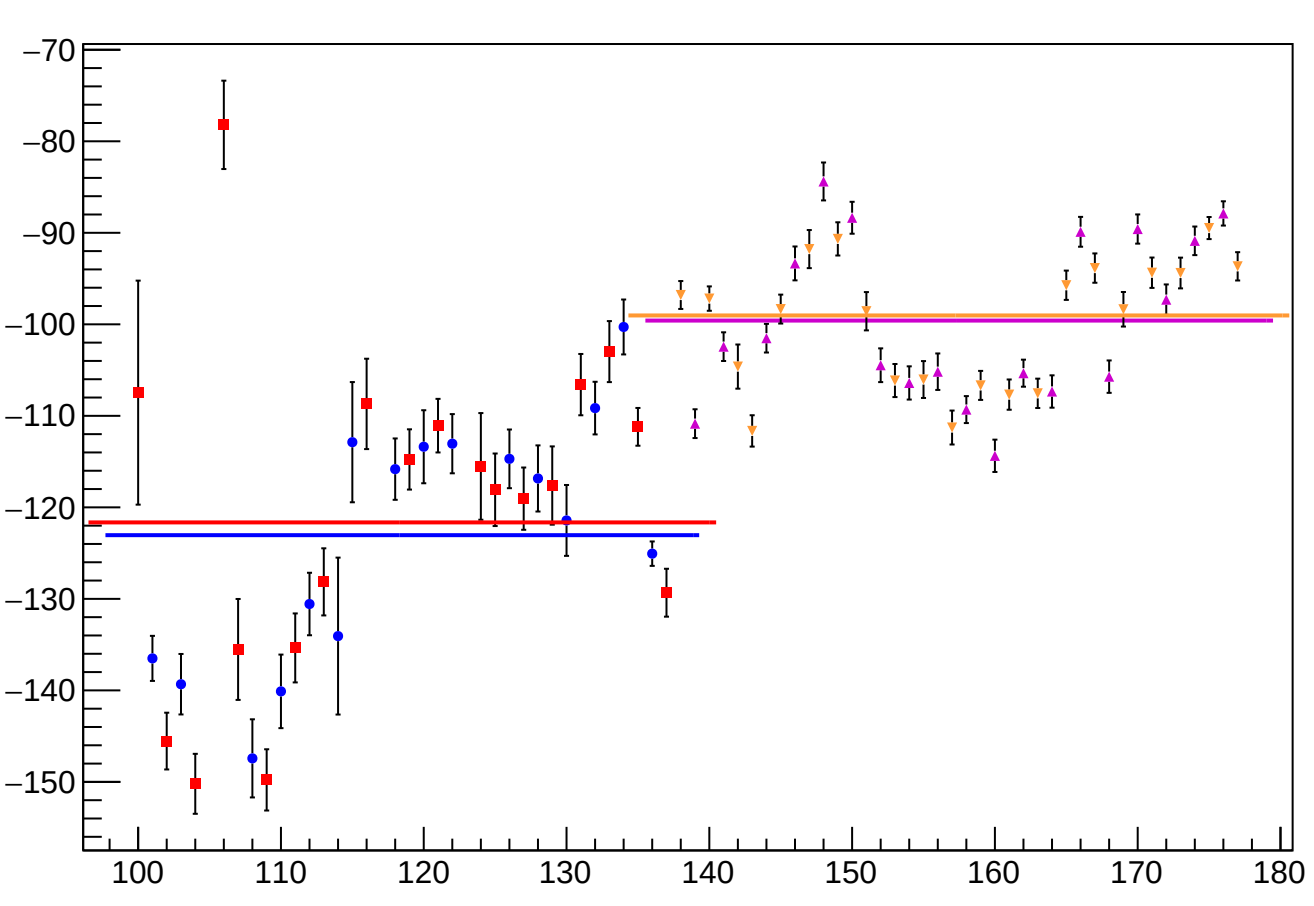
Right: -20.816+/-0.498 χ^2/NDF: 512.2/34

In: -30.157+/-0.337 χ^2/NDF:831.6/34

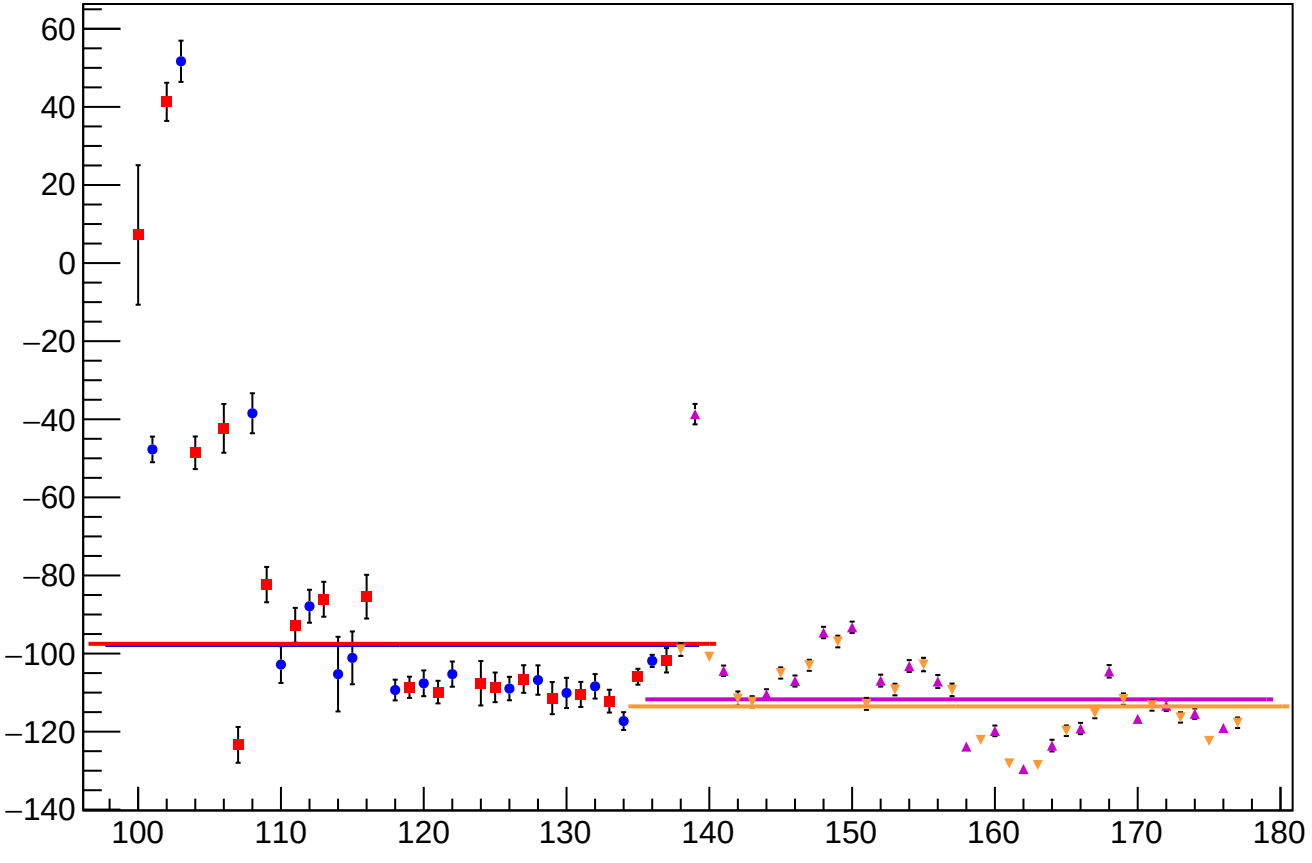
Out: -31.623+/-0.327 χ^2/NDF:888.8/39

All: -30.912+/-0.235 χ^2/NDF: 1730.1/74


reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
−120
−140
−160
−180
100
110
120
130
140
150
160
170
180
Right In: -52.296+/-0.708 χ²/NDF: 1778.2/15
Left Out: -35.145+/-0.271 χ²/NDF:513.6/20
Right Out: -52.737+/-0.748 χ²/NDF: 1662.5/18
Left In: -36.687+/-0.286 χ²/NDF:1448.7/18
Left: -35.873+/-0.197 χ²/NDF: 1977.6/39
Right: -52.505+/-0.514 χ²/NDF: 3440.9/34
In: -38.882+/-0.266 χ²/NDF:3644.5/34
Out: -37.181+/-0.255 χ²/NDF:2664.9/39
All: -37.996+/-0.184 χ²/NDF: 6330.8/74


reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
−70
−80
−90
−100
−110
−120
−130
−140
−150
100
110
120
130
140
150
160
170
180
Right In: -123.039+/-0.750 χ²/NDF: 226.8/15
Left Out: -99.031+/-0.364 χ²/NDF:352.3/20
Right Out: -121.646+/-0.801 χ²/NDF: 424.5/18
Left In: -99.591+/-0.380 χ²/NDF:537.5/18
Left: -99.298+/-0.263 χ²/NDF: 890.9/39
Right: -122.388+/-0.548 χ²/NDF: 652.9/34
In: -104.389+/-0.339 χ²/NDF:1541.8/34
Out: -102.899+/-0.331 χ²/NDF:1437.2/39
All: -103.627+/-0.237 χ²/NDF: 2988.9/74

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -97.814+/-0.793 χ^2/NDF: 1330.8/15

Left Out: -113.529+/-0.306 χ^2/NDF:872.5/20

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

Left In: -111.730+/-0.323 χ^2/NDF:1696.6/18

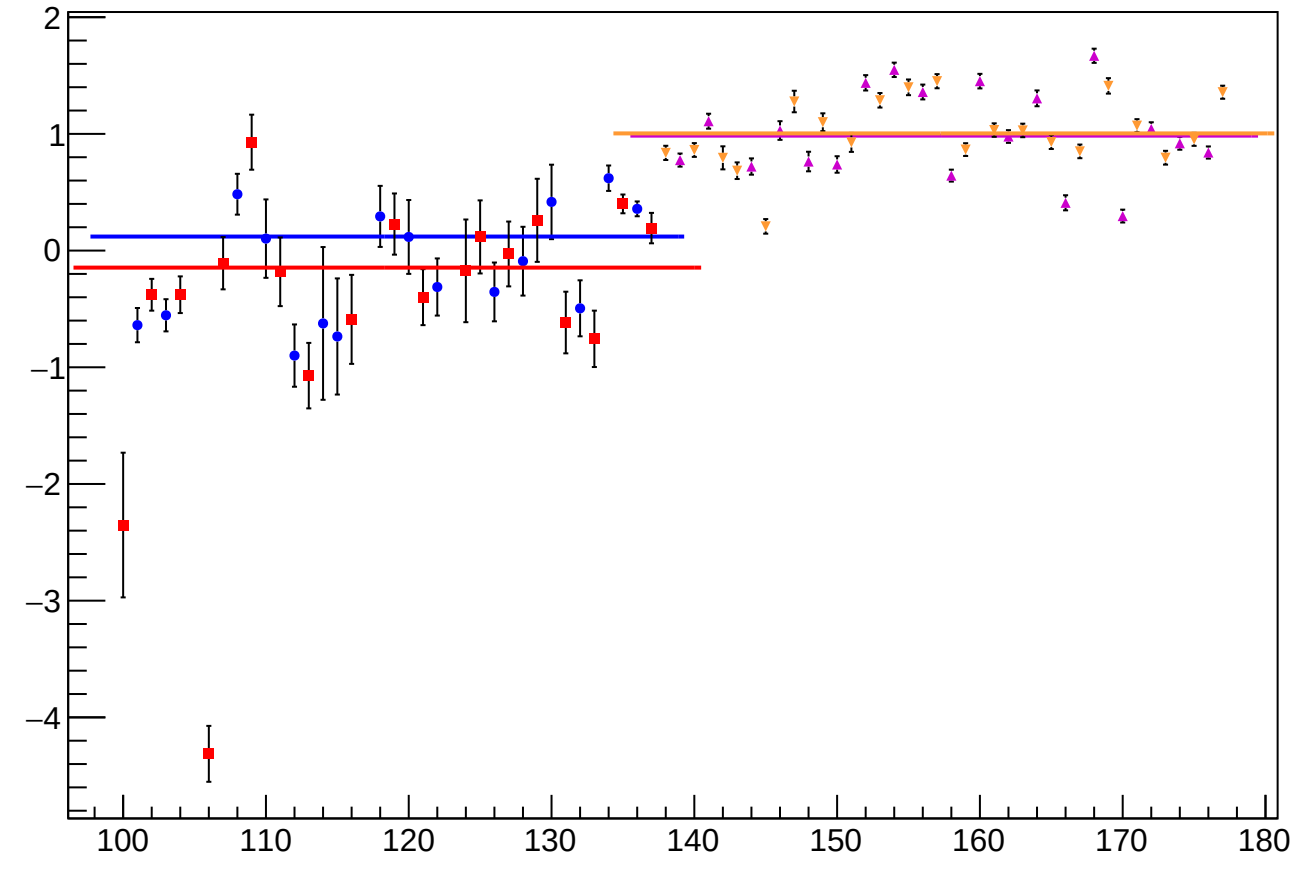
Left: -112.676+/-0.222 χ^2/NDF: 2585.4/39

Right: -97.668+/-0.578 χ^2/NDF: 2567.3/34

In: -109.752+/-0.299 χ^2/NDF:3291.5/34

Out: -111.658+/-0.288 χ^2/NDF:2428.4/39

All: -110.741+/-0.207 χ^2/NDF: 5741.0/74



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

Left Out: 1.004+/-0.014 χ^2/NDF:428.0/20

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

Left In: 0.985+/-0.014 χ^2/NDF:711.7/18

Left: 0.995+/-0.010 χ^2/NDF: 1140.6/39

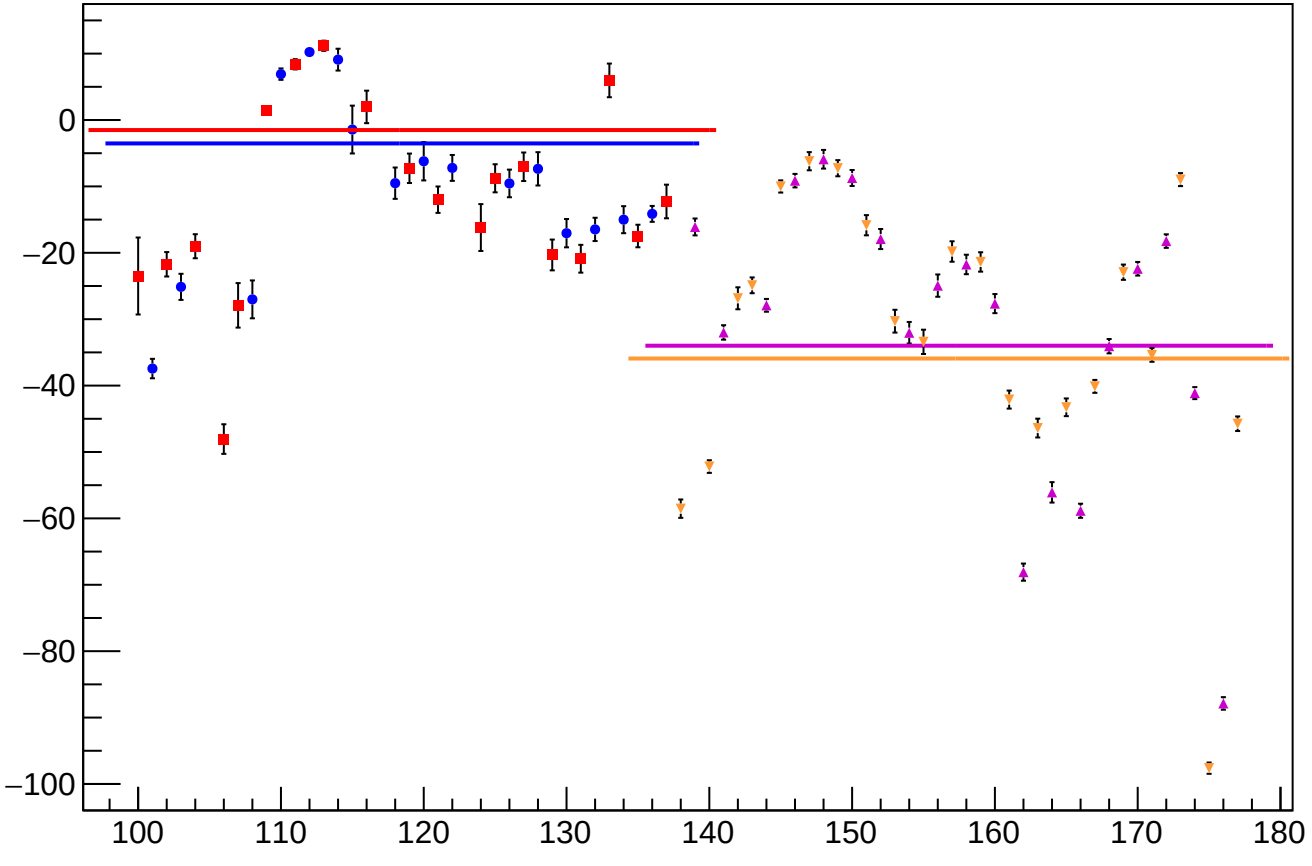
Right: -0.002+/-0.030 χ^2/NDF: 563.9/34

In: 0.895+/-0.013 χ^2/NDF:1229.8/34

Out: 0.905+/-0.013 χ^2/NDF:1449.1/39

All: 0.900+/-0.009 χ^2/NDF: 2679.2/74

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -35.923+/-0.261 χ^2/NDF:9253.8/20

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

Left In: -33.994+/-0.269 χ^2/NDF:7028.9/18

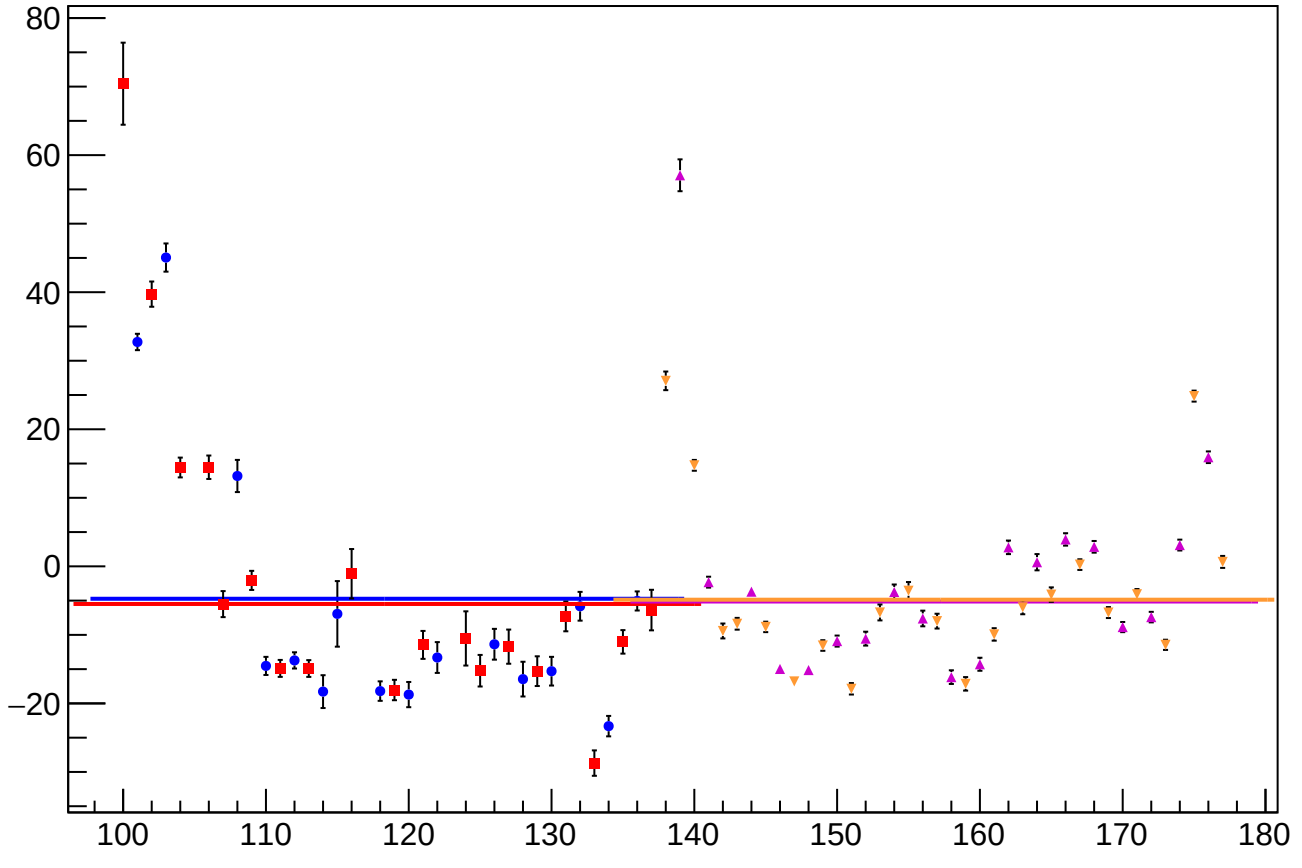
Left: -34.987+/-0.187 χ^2/NDF: 16309.1/39

Right: -2.413+/-0.252 χ^2/NDF: 3069.7/34

In: -23.710+/-0.219 χ^2/NDF:12889.7/34

Out: -23.080+/-0.207 χ^2/NDF:17257.1/39

All: -23.377+/-0.150 χ^2/NDF: 30151.1/74



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: -4.867+/-0.190 χ^2/NDF:3638.4/20

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

Left In: -5.133+/-0.197 χ^2/NDF:2546.0/18

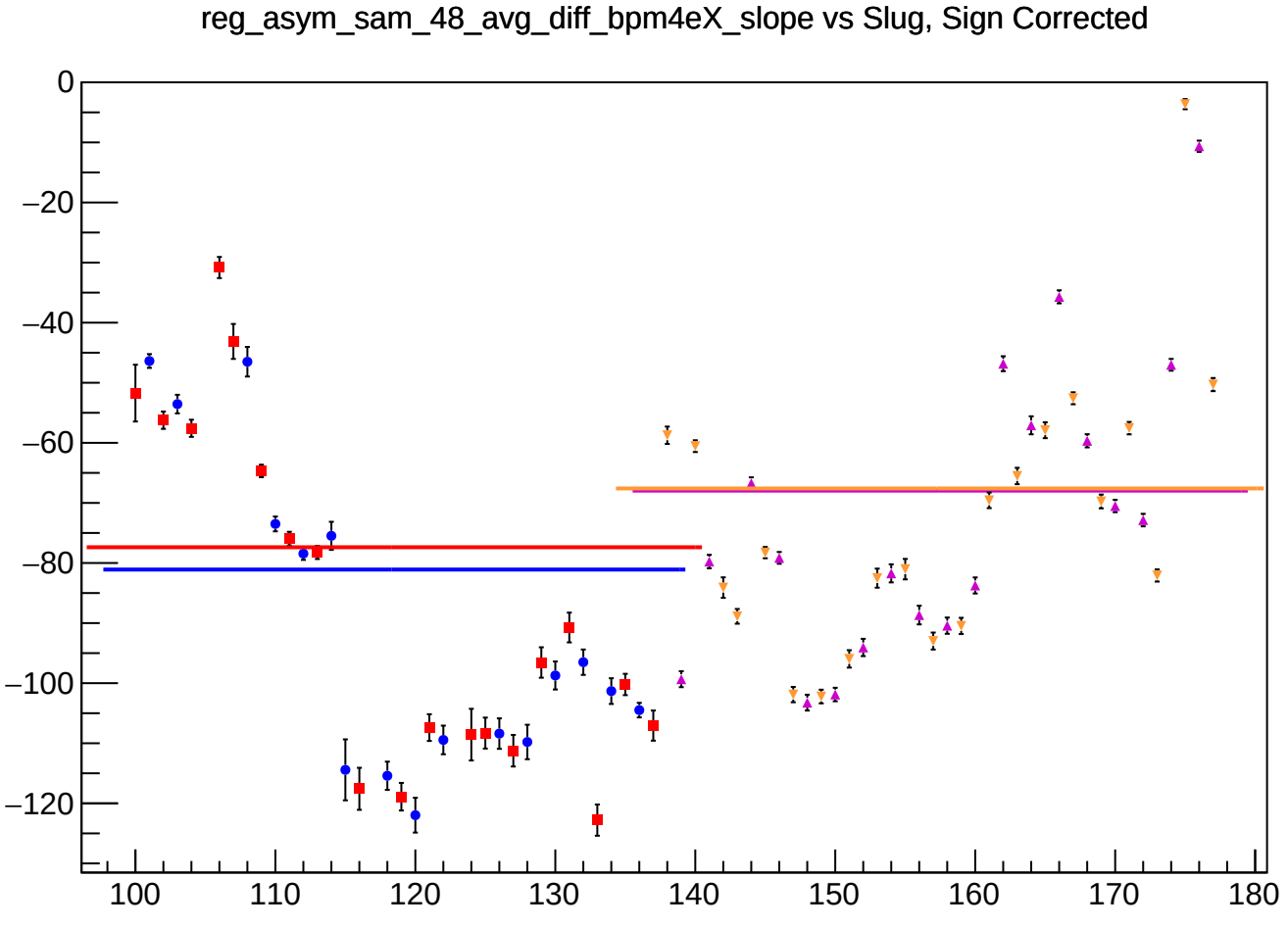
Left: -4.995+/-0.137 χ^2/NDF: 6185.4/39

Right: -5.118+/-0.302 χ^2/NDF: 3658.1/34

In: -5.063+/-0.179 χ^2/NDF:4694.7/34

Out: -4.973+/-0.174 χ^2/NDF:5148.8/39

All: -5.016+/-0.125 χ^2/NDF: 9843.7/74



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -67.594+/-0.259 χ^2/NDF:9915.1/20

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

Left In: -67.948+/-0.267 χ^2/NDF:8972.9/18

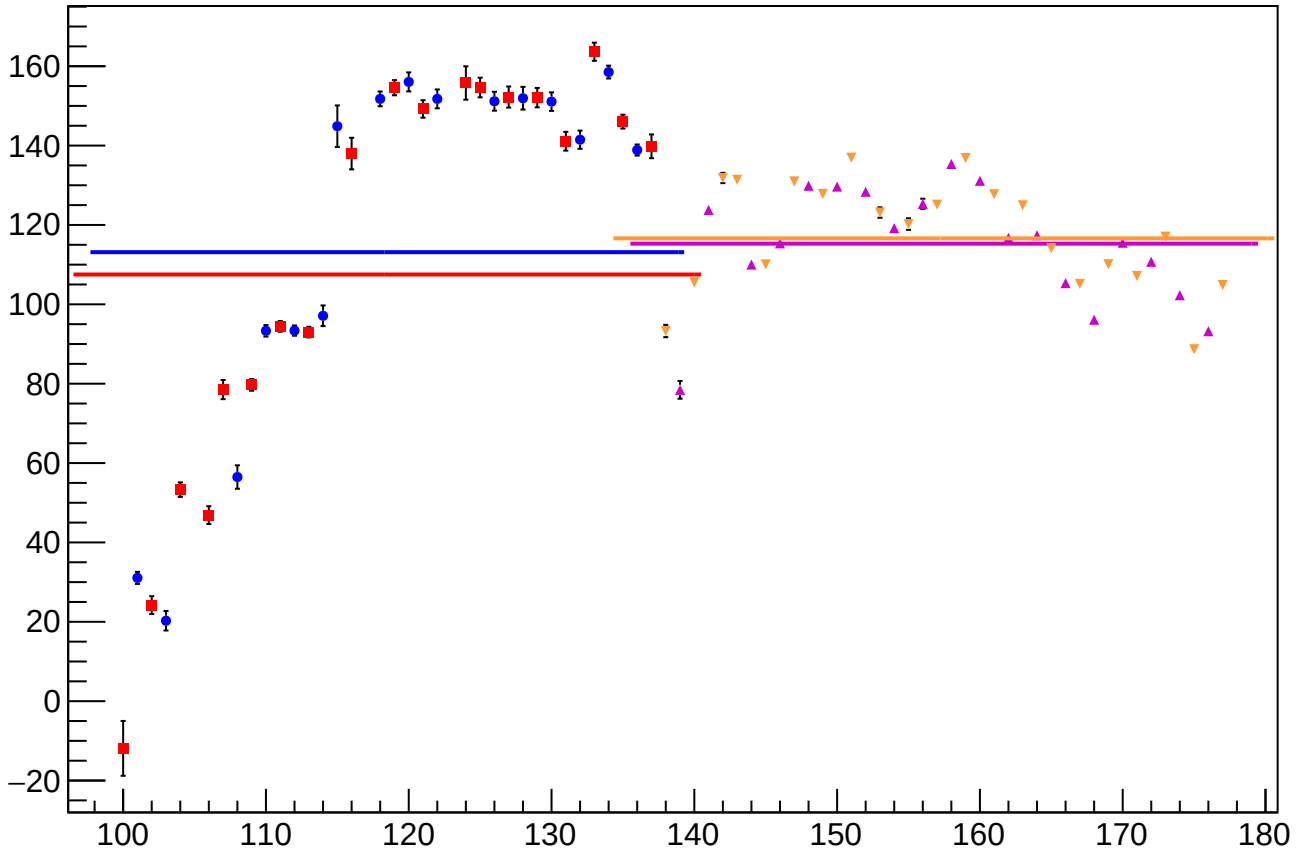
Left: -67.766+/-0.186 χ^2/NDF: 18888.9/39

Right: -79.142+/-0.302 χ^2/NDF: 6037.6/34

In: -71.496+/-0.228 χ^2/NDF:12499.5/34

Out: -70.321+/-0.220 χ^2/NDF:13442.2/39

All: -70.888+/-0.158 χ^2/NDF: 25955.5/74



Right In: 113.143+/-0.489 χ^2/NDF: 8204.1/15

Left Out: 116.627+/-0.217 χ^2/NDF:3825.9/20

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

Left In: 115.288+/-0.225 χ^2/NDF:3012.9/18

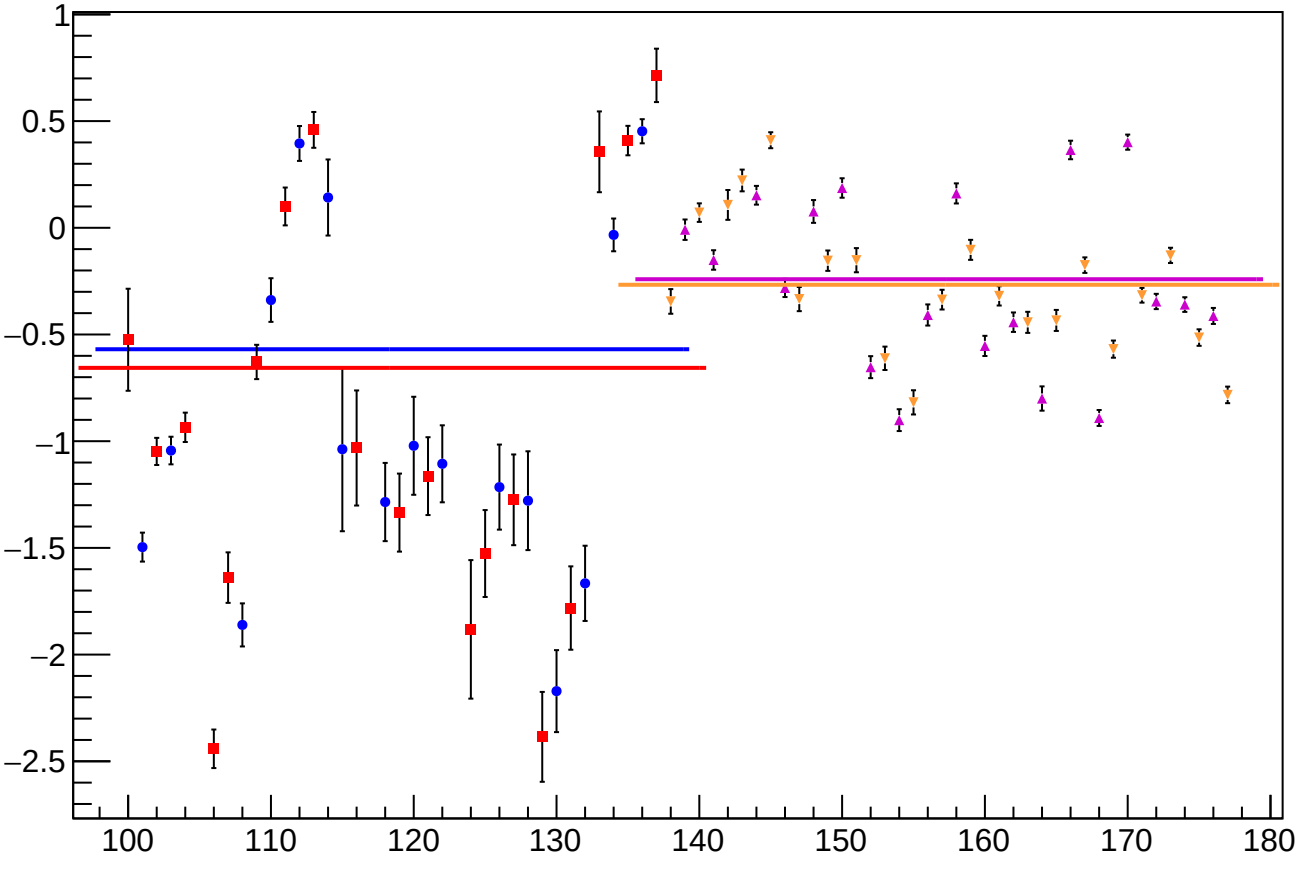
Left: 115.981+/-0.156 χ^2/NDF: 6857.2/39

Right: 110.273+/-0.342 χ^2/NDF: 15815.7/34

In: 114.914+/-0.204 χ^2/NDF:11232.9/34

Out: 115.079+/-0.198 χ^2/NDF:11669.8/39

All: 114.999+/-0.142 χ^2/NDF: 22903.1/74



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: -0.267+/-0.010 χ^2/NDF:993.4/20

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

Left In: -0.241+/-0.010 χ^2/NDF:1573.5/18

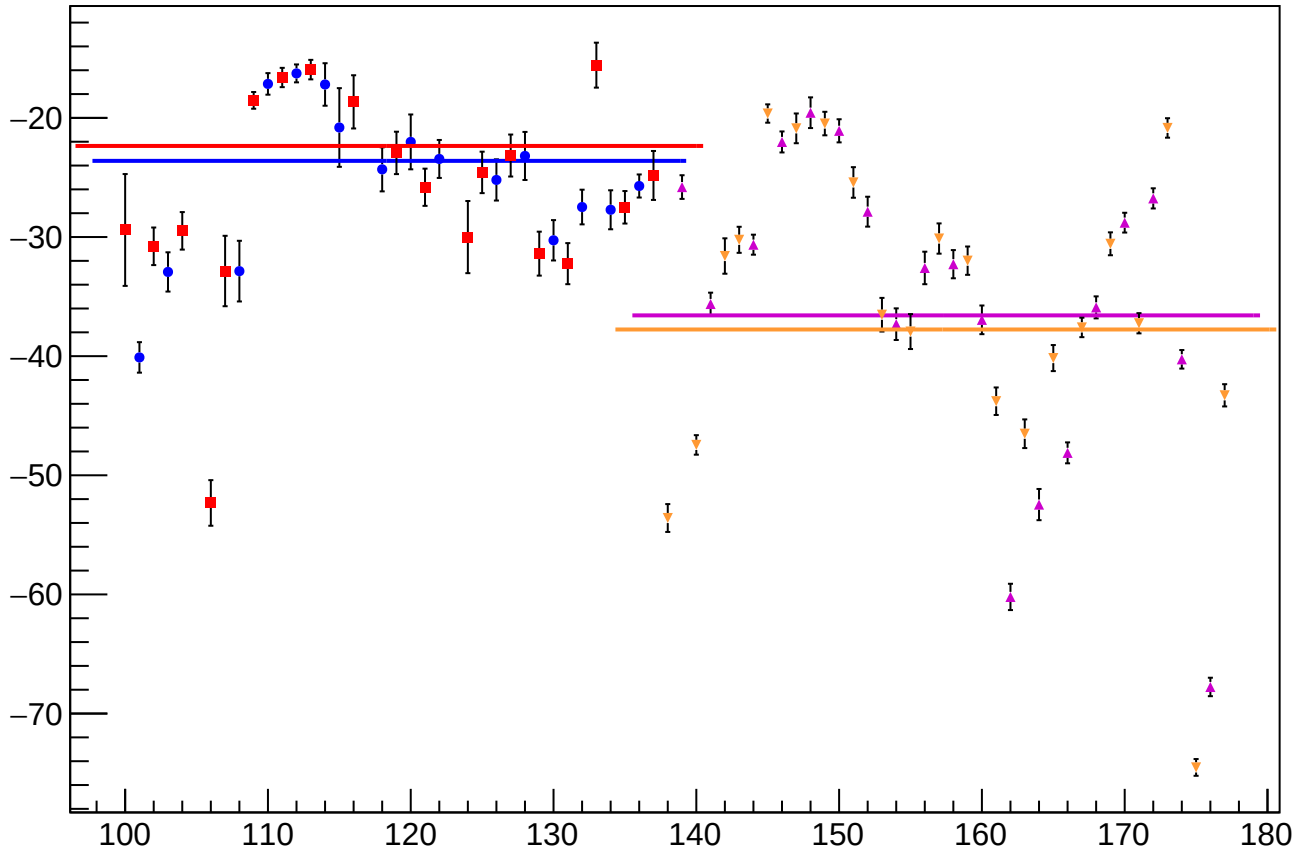
Left: -0.254+/-0.007 χ^2/NDF: 2570.4/39

Right: -0.614+/-0.018 χ^2/NDF: 2418.5/34

In: -0.284+/-0.009 χ^2/NDF:2811.7/34

Out: -0.318+/-0.009 χ^2/NDF:2515.9/39

All: -0.301+/-0.007 χ^2/NDF: 5334.6/74



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -37.761+/-0.220 χ^2/NDF:4918.5/20

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

Left In: -36.577+/-0.226 χ^2/NDF:3585.4/18

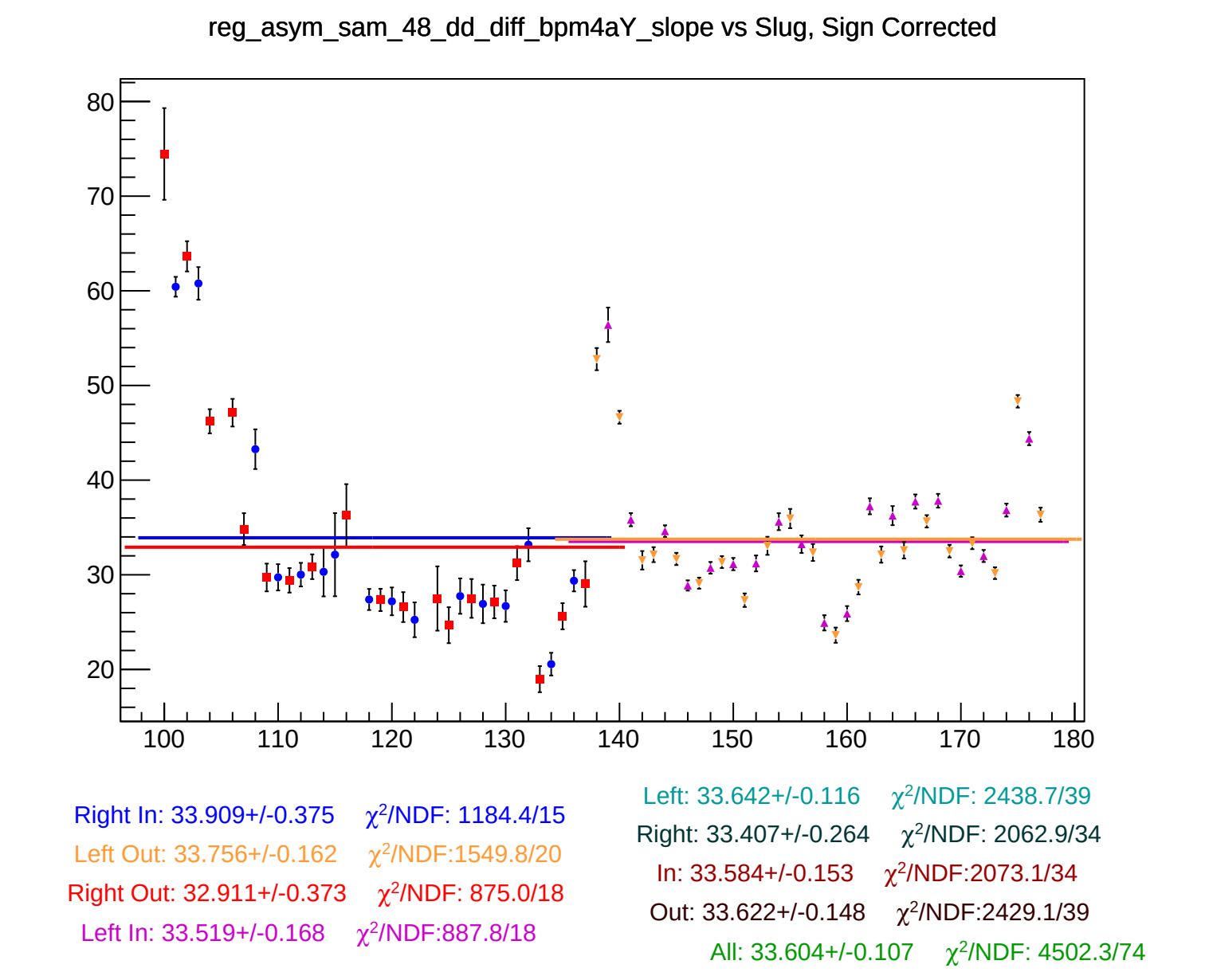
Left: -37.184+/-0.157 χ^2/NDF: 8518.0/39

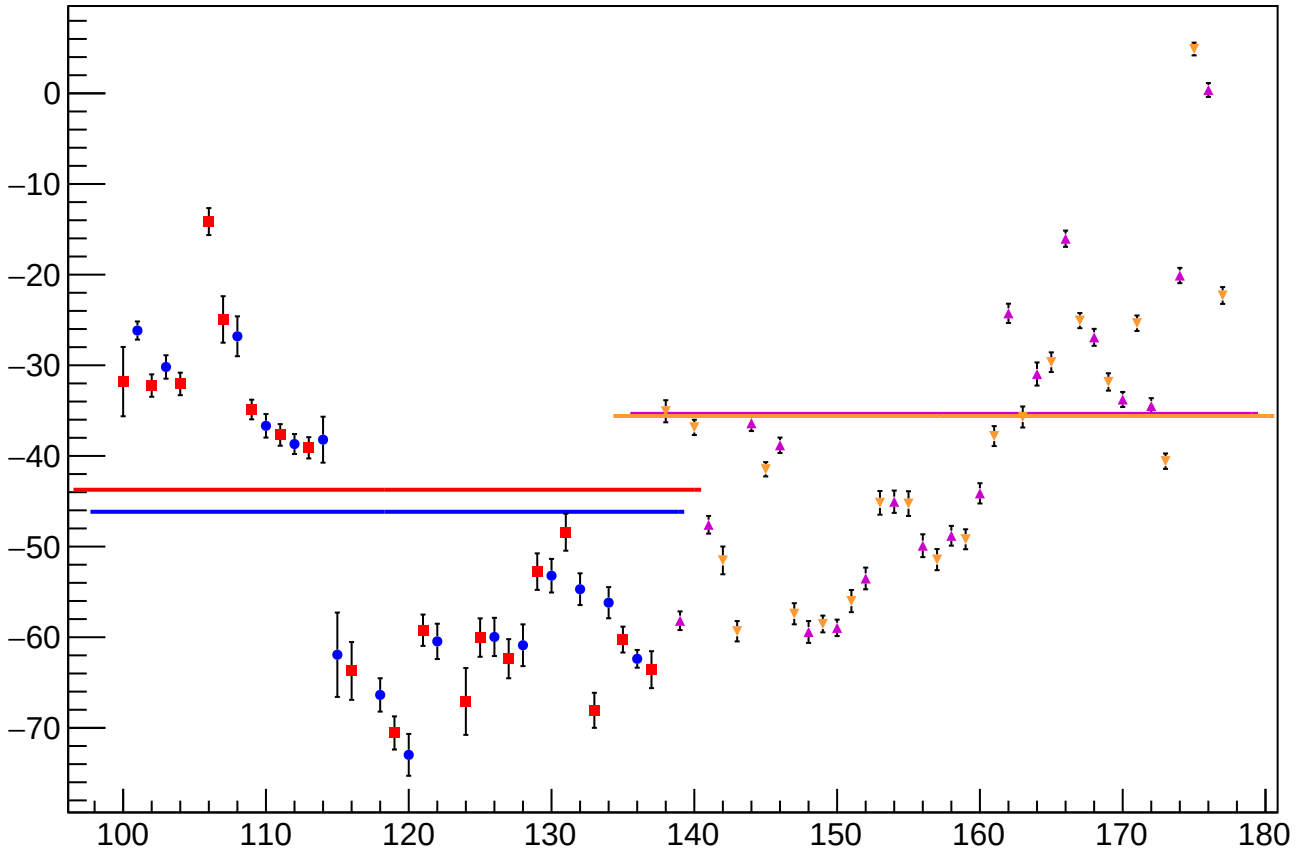
Right: -22.931+/-0.236 χ^2/NDF: 965.1/34

In: -32.746+/-0.189 χ^2/NDF:4968.9/34

Out: -32.855+/-0.182 χ^2/NDF:7032.9/39

All: -32.803+/-0.131 χ^2/NDF: 12002.0/74


reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
80
70
60
50
40
30
20
100
110
120
130
140
150
160
170
180
Right In: 33.909+/-0.375 χ2/NDF: 1184.4/15
Left Out: 33.756+/-0.162 χ2/NDF:1549.8/20
Right Out: 32.911+/-0.373 χ2/NDF: 875.0/18
Left In: 33.519+/-0.168 χ2/NDF:887.8/18
Left: 33.642+/-0.116 χ2/NDF: 2438.7/39
Right: 33.407+/-0.264 χ2/NDF: 2062.9/34
In: 33.584+/-0.153 χ2/NDF:2073.1/34
Out: 33.622+/-0.148 χ2/NDF:2429.1/39
All: 33.604+/-0.107 χ2/NDF: 4502.3/74



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -35.596+/-0.218 χ^2/NDF:6212.4/20

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

Left In: -35.360+/-0.223 χ^2/NDF:5560.5/18

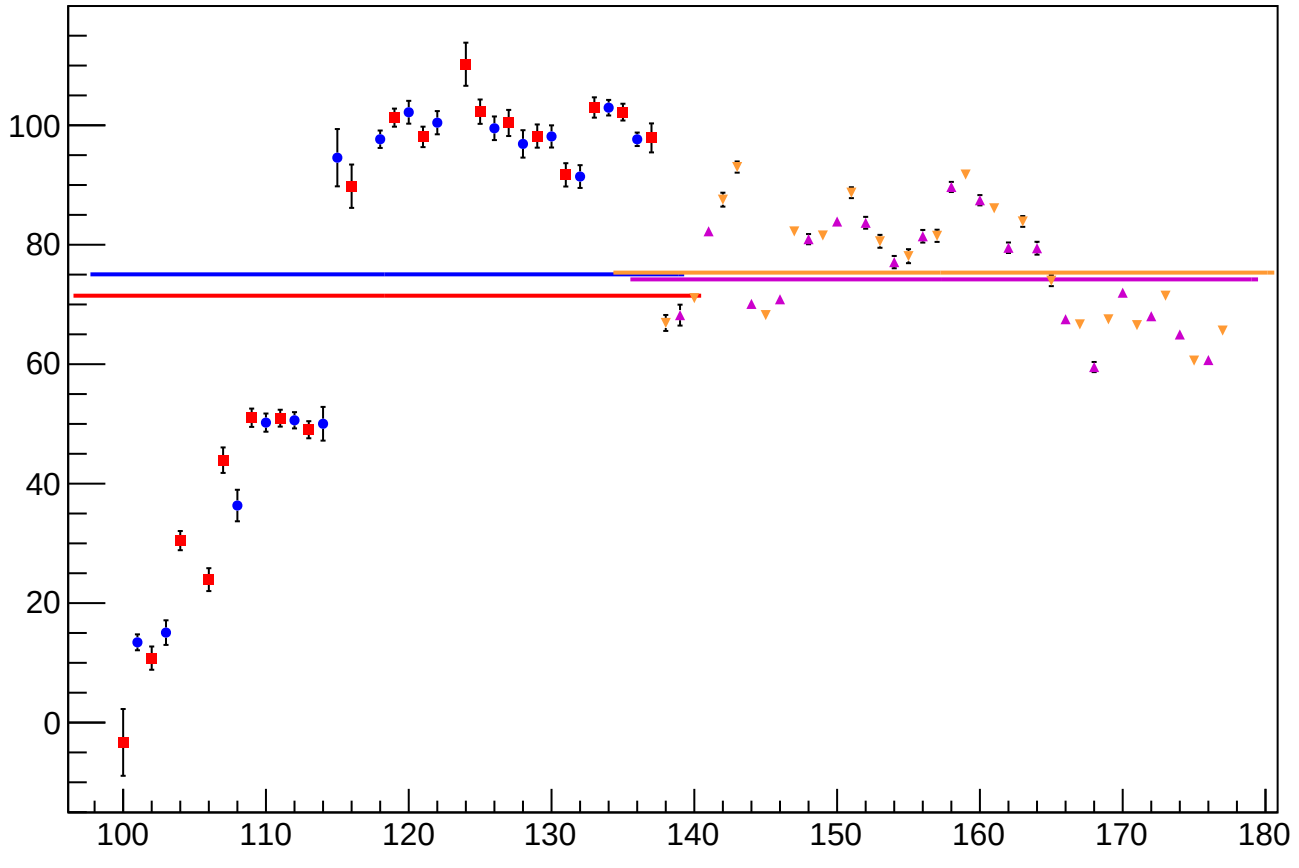
Left: -35.481+/-0.156 χ^2/NDF: 11773.4/39

Right: -44.909+/-0.271 χ^2/NDF: 3173.0/34

In: -38.030+/-0.194 χ^2/NDF:7628.0/34

Out: -37.623+/-0.189 χ^2/NDF:8222.9/39

All: -37.822+/-0.135 χ^2/NDF: 15853.1/74



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 75.333+/-0.183 χ^2/NDF:2731.0/20

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

Left In: 74.197+/-0.190 χ^2/NDF:2113.7/18

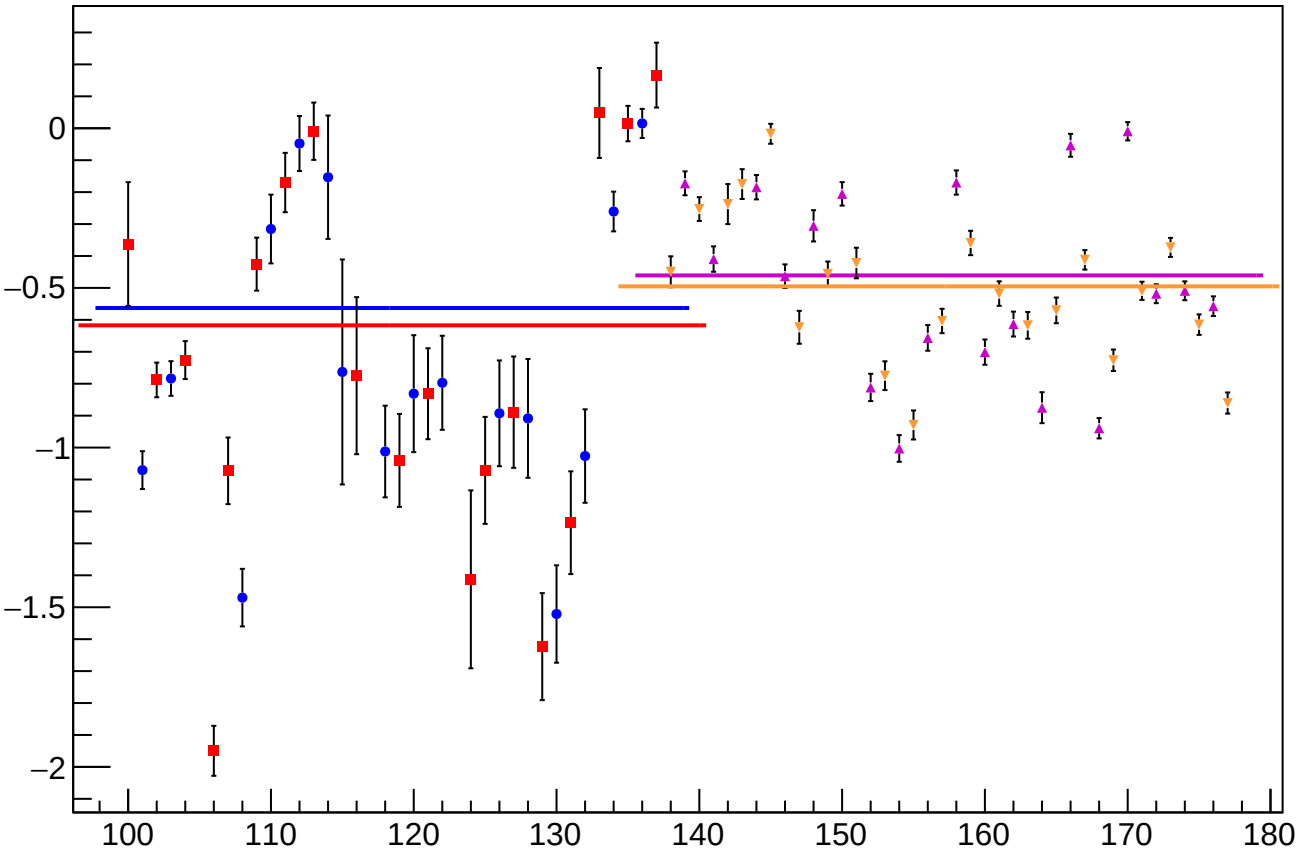
Left: 74.784+/-0.132 χ^2/NDF: 4863.3/39

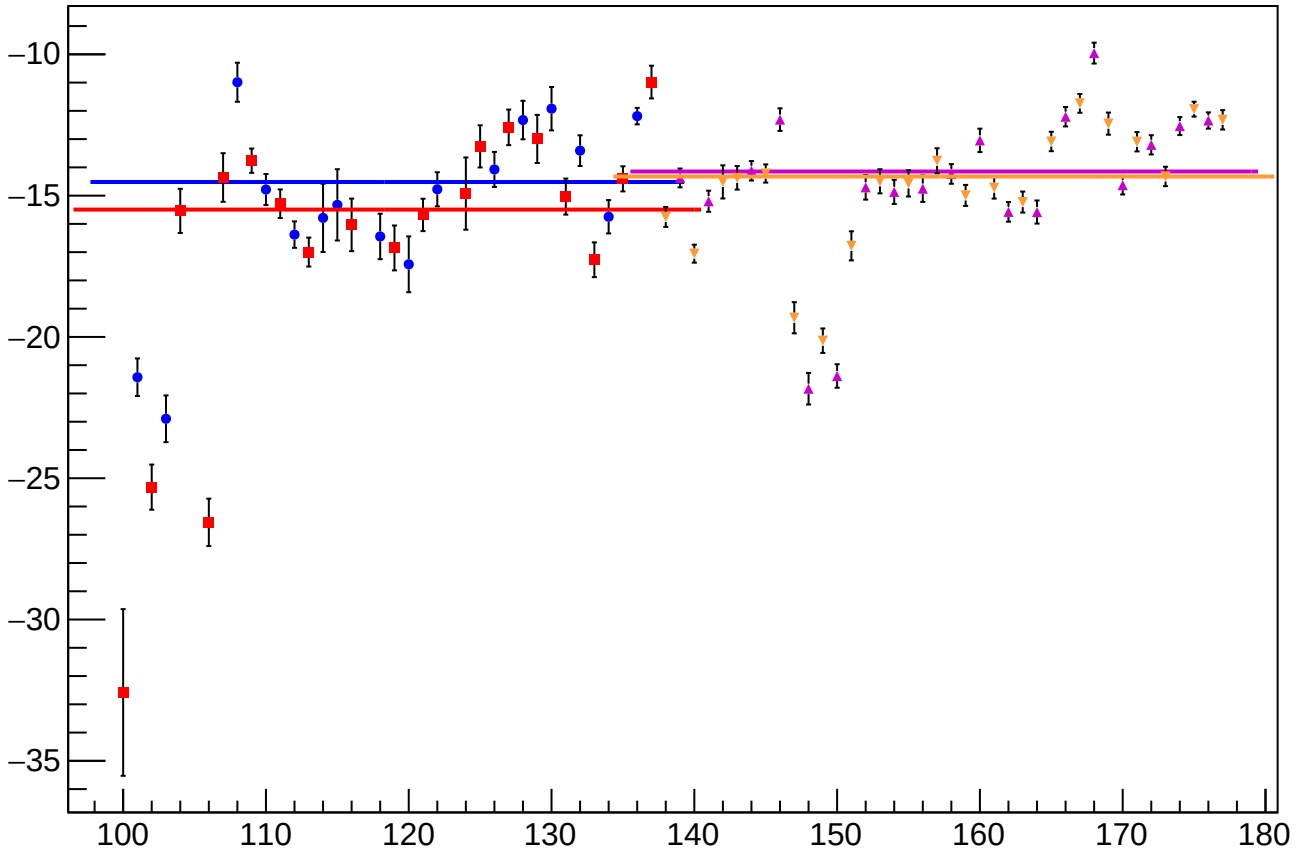
Right: 73.248+/-0.302 χ^2/NDF: 11491.6/34

In: 74.336+/-0.173 χ^2/NDF:7945.3/34

Out: 74.729+/-0.168 χ^2/NDF:8428.7/39

All: 74.538+/-0.121 χ^2/NDF: 16376.7/74


reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
160
170
180
Right In: -0.563+/-0.022 χ²/NDF: 493.0/15
Left Out: -0.495+/-0.008 χ²/NDF:721.4/20
Right Out: -0.617+/-0.022 χ²/NDF: 690.0/18
Left In: -0.461+/-0.008 χ²/NDF:1233.5/18
Left: -0.478+/-0.006 χ²/NDF: 1963.4/39
Right: -0.590+/-0.016 χ²/NDF: 1186.0/34
In: -0.473+/-0.008 χ²/NDF:1744.9/34
Out: -0.510+/-0.008 χ²/NDF:1438.1/39
All: -0.492+/-0.005 χ²/NDF: 3194.0/74



Right In: -14.518+/-0.149 χ^2/NDF: 363.3/15

Left Out: -14.324+/-0.082 χ^2/NDF:612.5/20

Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: -14.146+/-0.085 χ^2/NDF:799.2/18

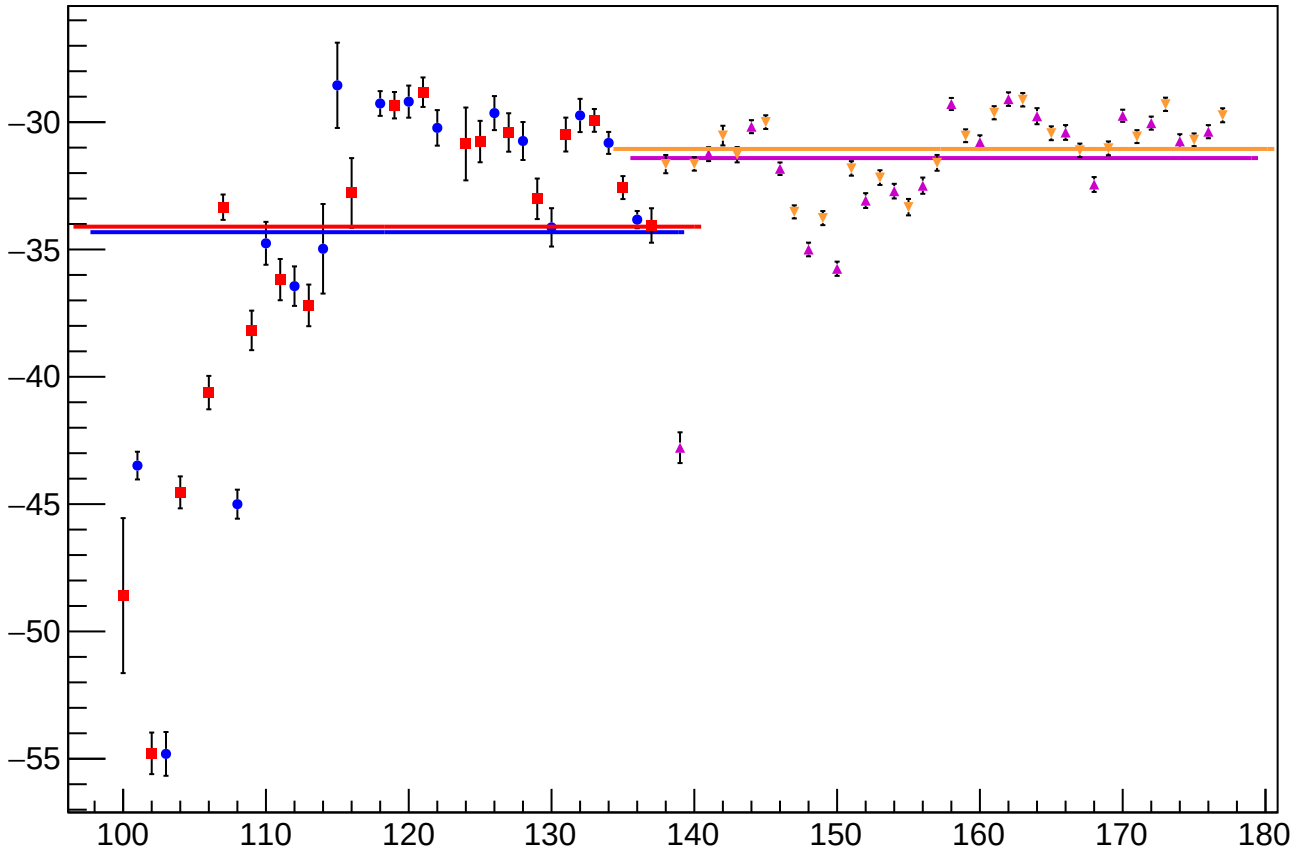
Left: -14.238+/-0.059 χ^2/NDF: 1414.0/39

Right: -15.004+/-0.106 χ^2/NDF: 888.5/34

In: -14.237+/-0.074 χ^2/NDF:1167.2/34

Out: -14.593+/-0.072 χ^2/NDF:1163.2/39

All: -14.419+/-0.051 χ^2/NDF: 2342.5/74



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.052+/-0.061 χ^2/NDF:455.3/20

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

Left In: -31.411+/-0.064 χ^2/NDF:1175.7/18

Left: -31.223+/-0.044 χ^2/NDF: 1647.7/39

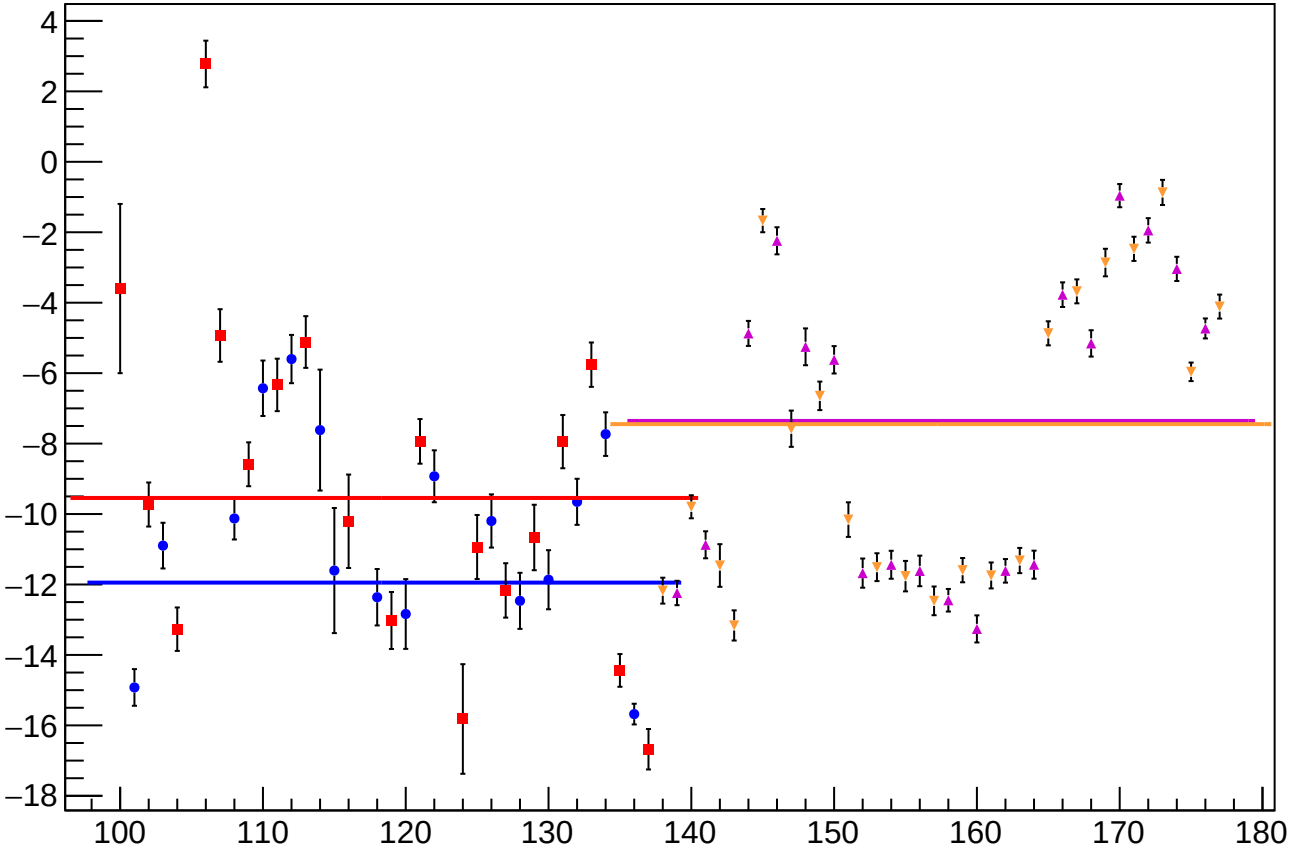
Right: -34.213+/-0.109 χ^2/NDF: 3056.3/34

In: -31.839+/-0.059 χ^2/NDF:3103.7/34

Out: -31.462+/-0.057 χ^2/NDF:2229.5/39

All: -31.643+/-0.041 χ^2/NDF: 5354.5/74

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -11.946+/-0.160 χ^2/NDF: 430.0/15

Left Out: -7.448+/-0.081 χ^2/NDF:2529.8/20

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

Left In: -7.357+/-0.084 χ^2/NDF:2612.8/18

Left: -7.404+/-0.058 χ^2/NDF: 5143.2/39

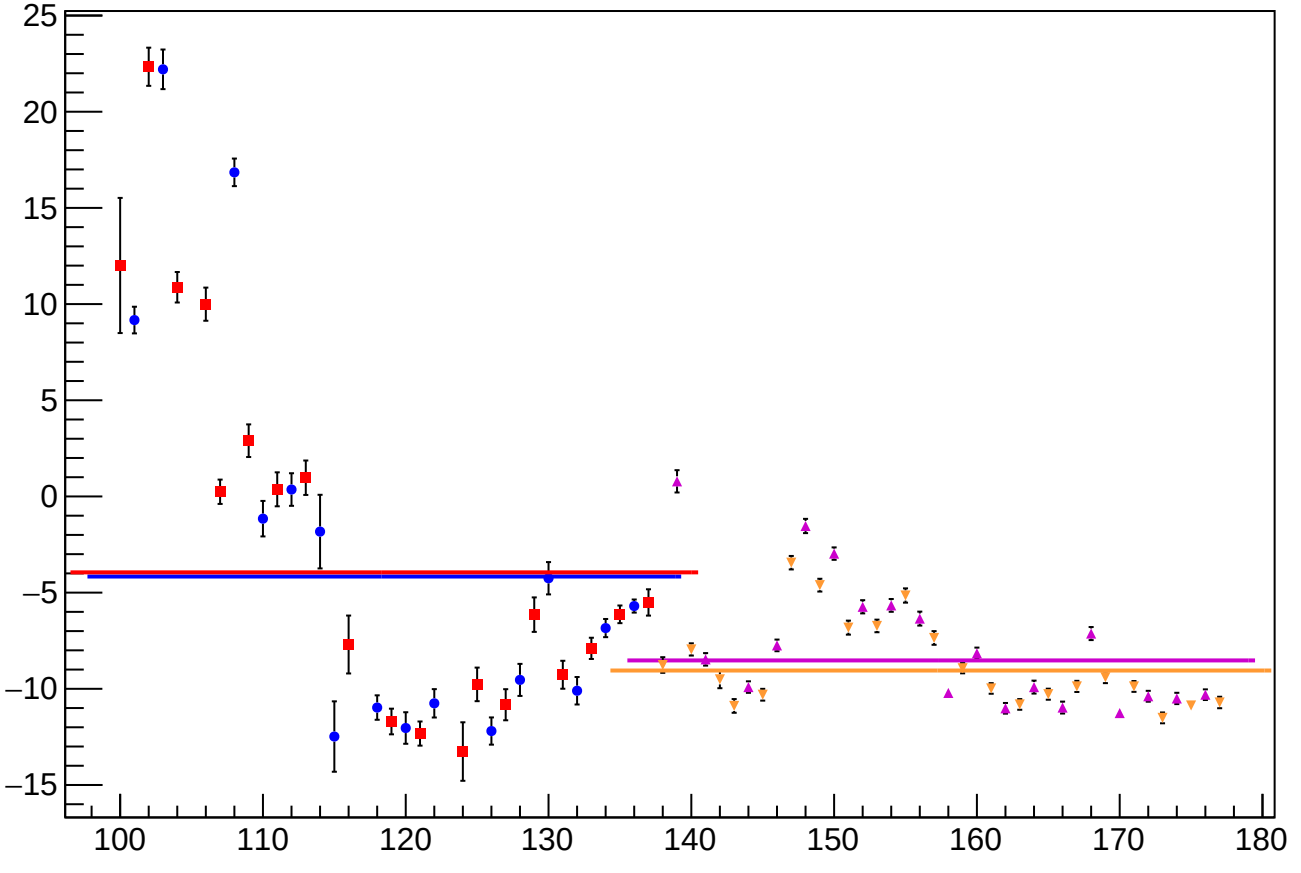
Right: -10.782+/-0.115 χ^2/NDF: 1386.2/34

In: -8.340+/-0.074 χ^2/NDF:3688.2/34

Out: -7.853+/-0.073 χ^2/NDF:3506.7/39

All: -8.092+/-0.052 χ^2/NDF: 7216.9/74

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: -9.049+/-0.068 χ^2/NDF:955.3/20

Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

Left In: -8.524+/-0.071 χ^2/NDF:1579.5/18

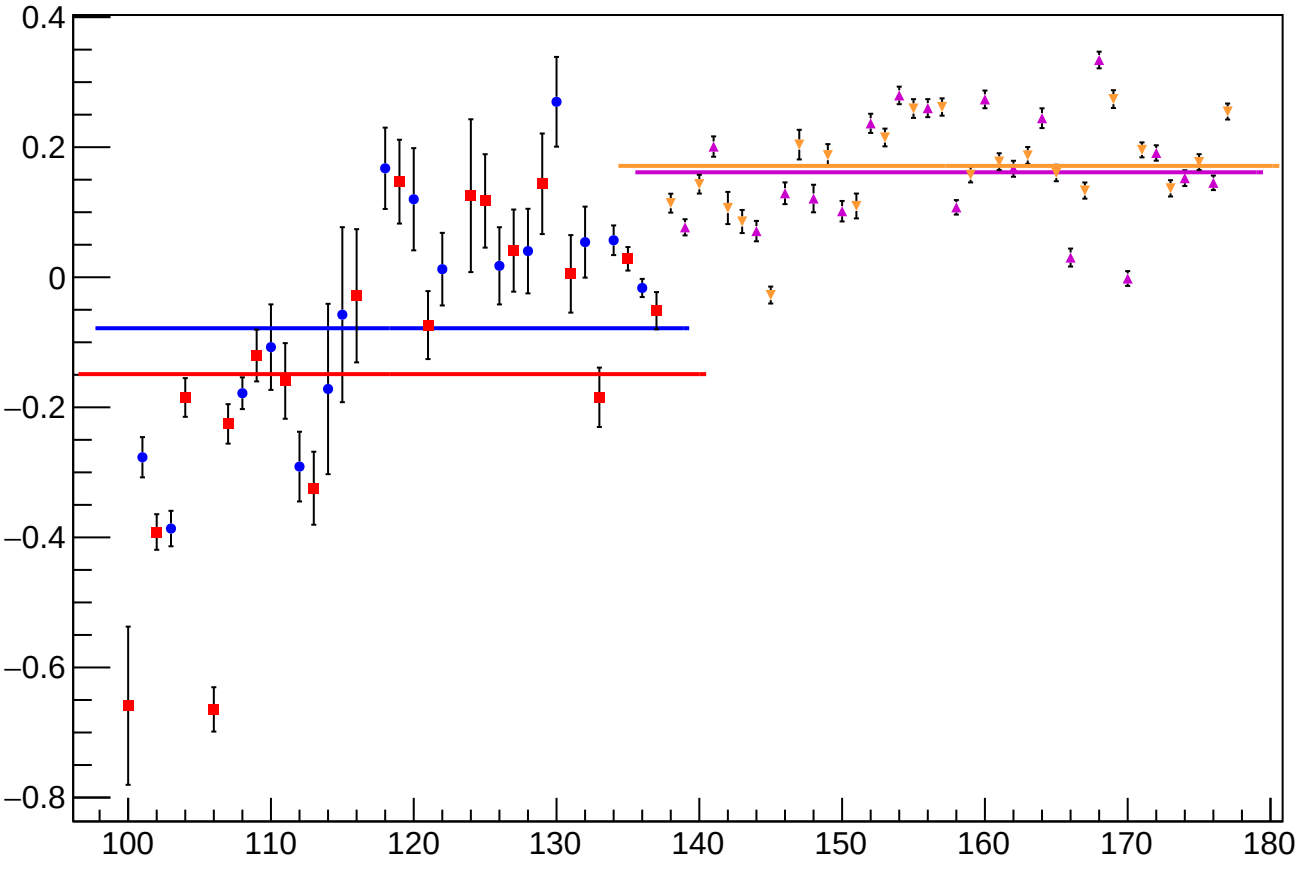
Left: -8.798+/-0.049 χ^2/NDF: 2563.1/39

Right: -4.057+/-0.123 χ^2/NDF: 4636.0/34

In: -7.885+/-0.066 χ^2/NDF:4653.7/34

Out: -8.382+/-0.064 χ^2/NDF:3795.9/39

All: -8.142+/-0.046 χ^2/NDF: 8479.0/74



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.171+/-0.003 χ^2/NDF:516.2/20

Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.161+/-0.003 χ^2/NDF:869.5/18

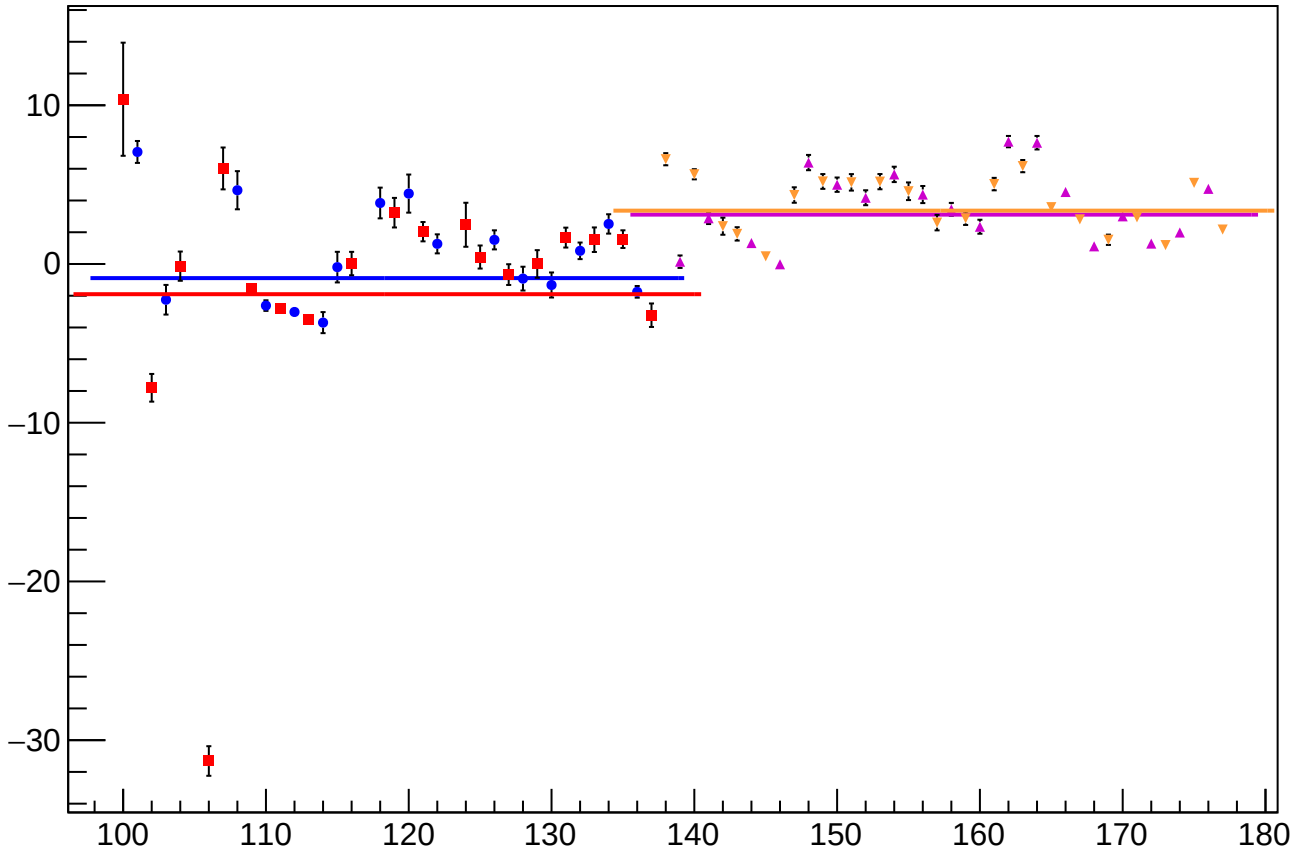
Left: 0.166+/-0.002 χ^2/NDF: 1390.8/39

Right: -0.112+/-0.006 χ^2/NDF: 875.6/34

In: 0.134+/-0.003 χ^2/NDF:1881.3/34

Out: 0.139+/-0.003 χ^2/NDF:2160.9/39

All: 0.136+/-0.002 χ^2/NDF: 4043.8/74



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.361+/-0.075 χ^2/NDF:579.5/20

Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 3.111+/-0.077 χ^2/NDF:769.8/18

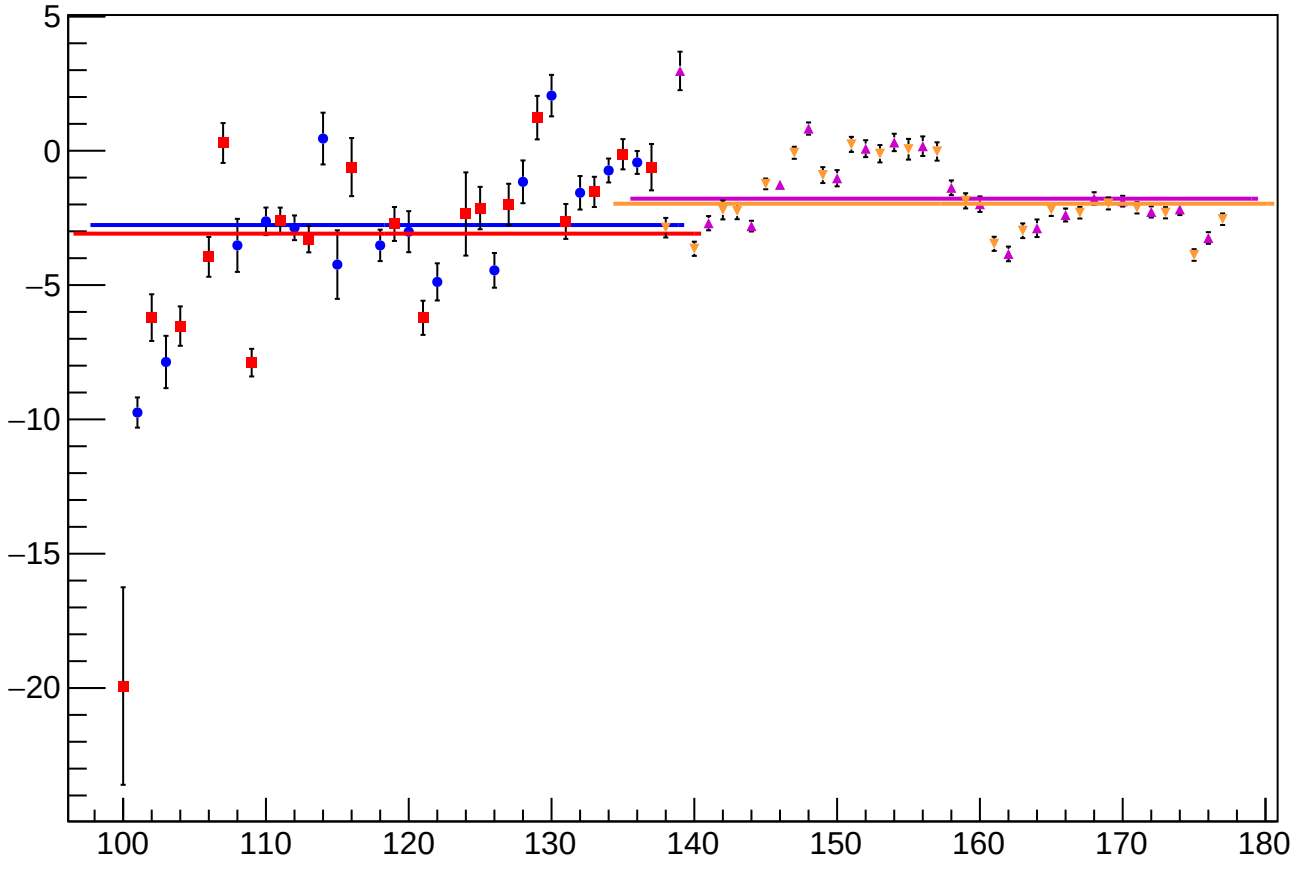
Left: 3.239+/-0.054 χ^2/NDF: 1354.7/39

Right: -1.428+/-0.094 χ^2/NDF: 1741.3/34

In: 2.140+/-0.067 χ^2/NDF:1799.5/34

Out: 2.018+/-0.065 χ^2/NDF:3163.8/39

All: 2.077+/-0.047 χ^2/NDF: 4965.1/74



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -1.972+/-0.056 χ^2/NDF:437.5/20

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

Left In: -1.785+/-0.057 χ^2/NDF:465.0/18

Left: -1.881+/-0.040 χ^2/NDF: 908.0/39

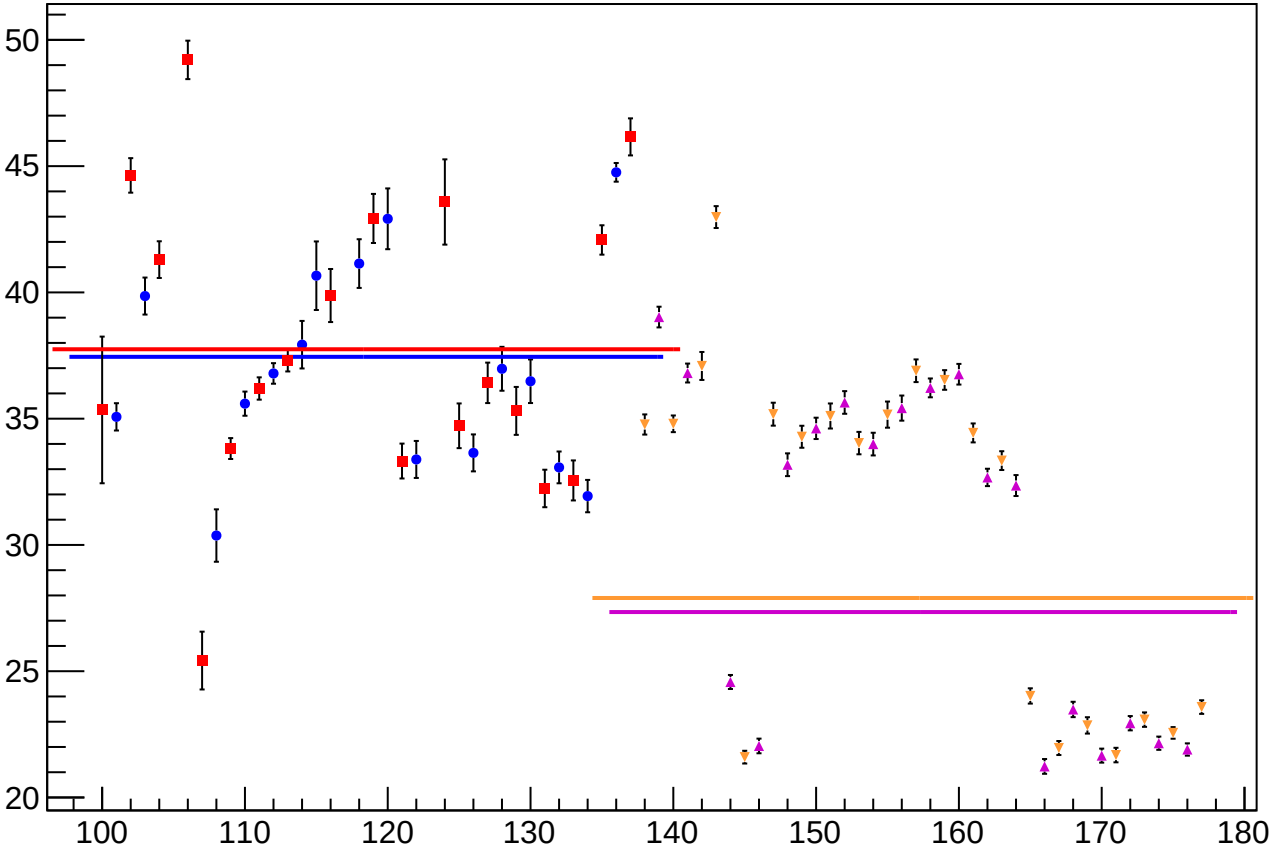
Right: -2.925+/-0.111 χ^2/NDF: 584.6/34

In: -1.901+/-0.054 χ^2/NDF:809.8/34

Out: -2.096+/-0.053 χ^2/NDF:754.4/39

All: -2.001+/-0.038 χ^2/NDF: 1570.9/74

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: 27.899+/-0.075 χ^2/NDF:7737.4/20

Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

Left In: 27.343+/-0.077 χ^2/NDF:6804.9/18

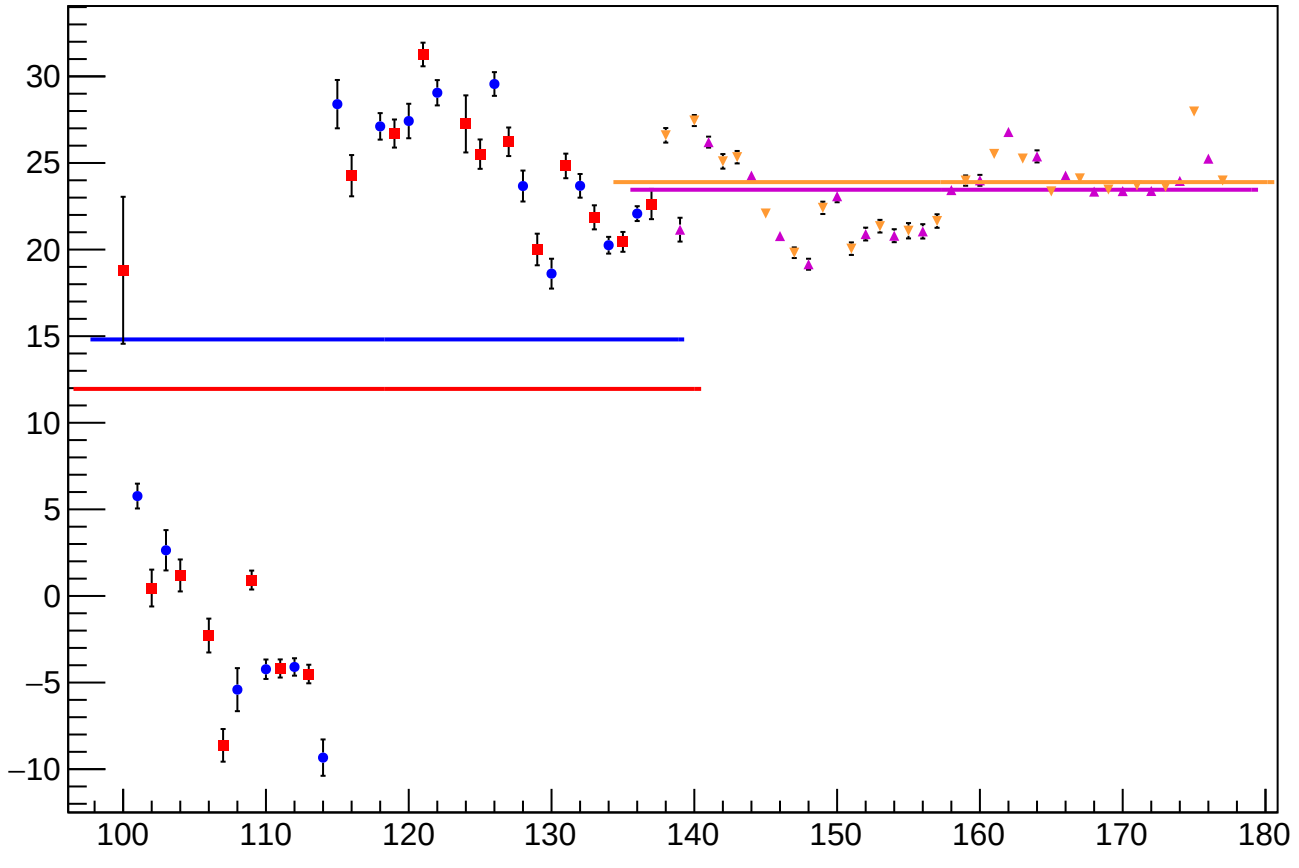
Left: 27.629+/-0.054 χ^2/NDF: 14569.2/39

Right: 37.600+/-0.113 χ^2/NDF: 1672.3/34

In: 29.225+/-0.069 χ^2/NDF:10729.4/34

Out: 29.675+/-0.068 χ^2/NDF:11830.4/39

All: 29.455+/-0.048 χ^2/NDF: 22581.3/74



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 23.895+/-0.063 χ^2/NDF:1069.0/20

Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 23.454+/-0.065 χ^2/NDF:805.4/18

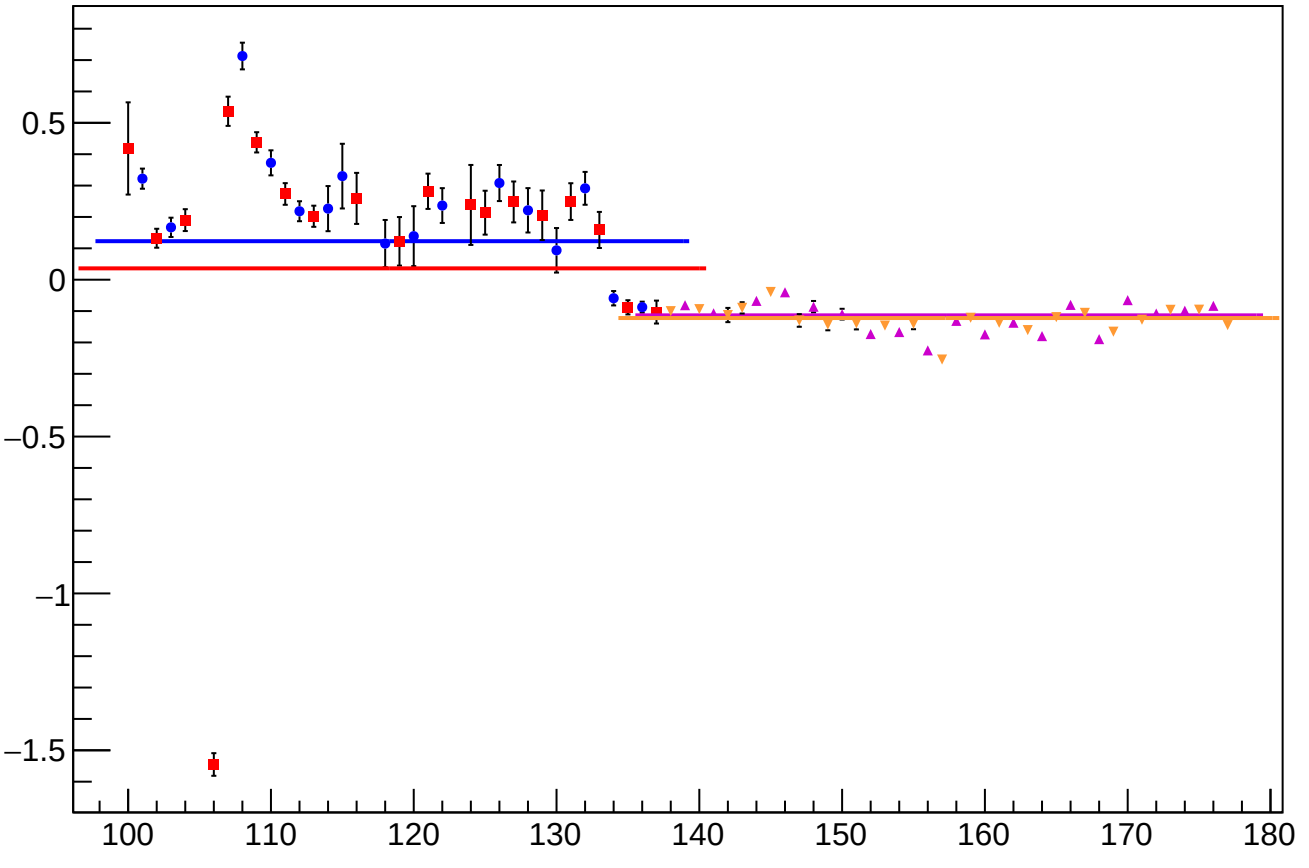
Left: 23.682+/-0.045 χ^2/NDF: 1898.4/39

Right: 13.408+/-0.124 χ^2/NDF: 11924.5/34

In: 22.403+/-0.061 χ^2/NDF:8661.7/34

Out: 22.564+/-0.059 χ^2/NDF:11225.9/39

All: 22.486+/-0.042 χ^2/NDF: 19891.2/74



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.122+/-0.003 χ^2/NDF:210.9/20

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

Left In: -0.114+/-0.003 χ^2/NDF:271.6/18

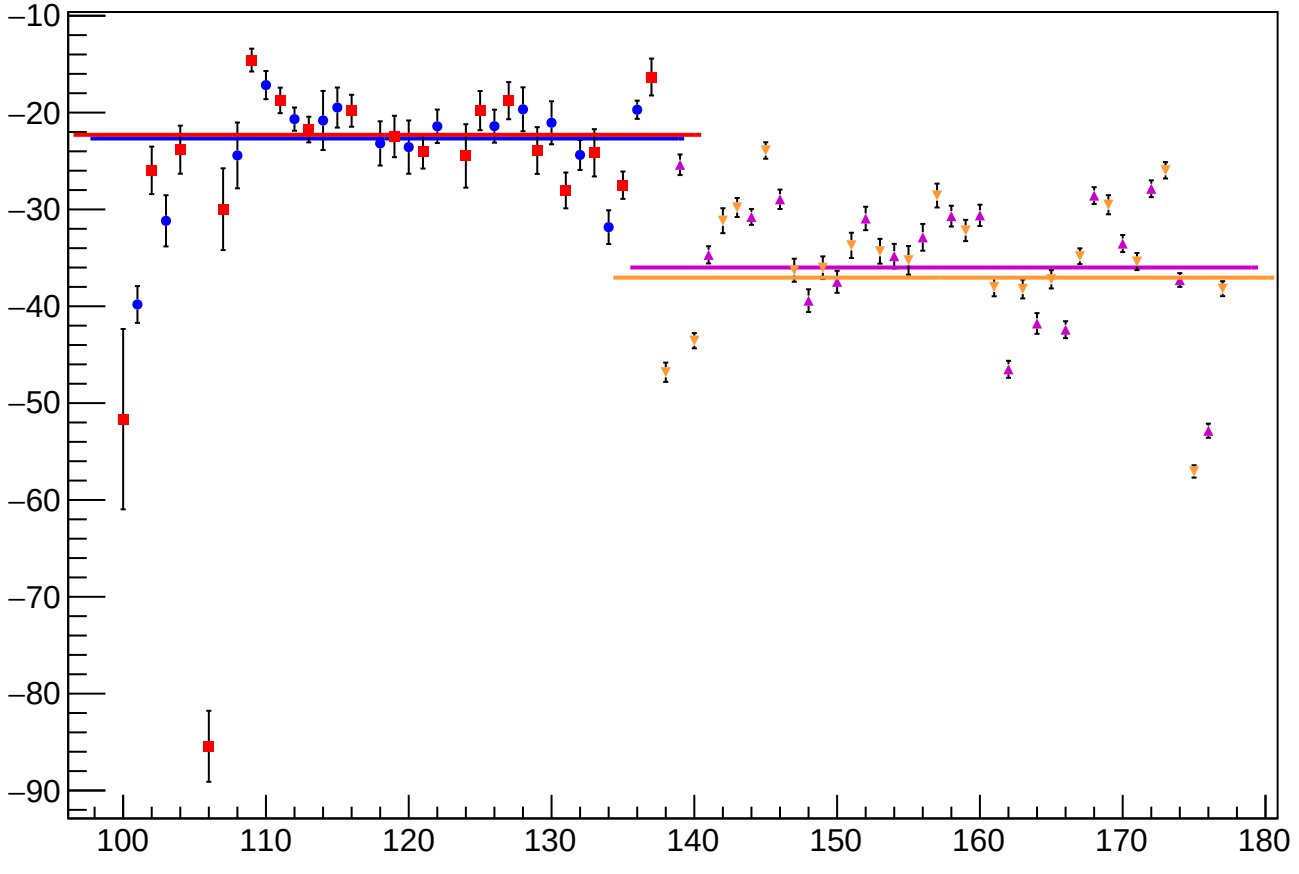
Left: -0.118+/-0.002 χ^2/NDF: 487.0/39

Right: 0.081+/-0.007 χ^2/NDF: 2975.5/34

In: -0.094+/-0.003 χ^2/NDF:1369.5/34

Out: -0.110+/-0.003 χ^2/NDF:2867.9/39

All: -0.102+/-0.002 χ^2/NDF: 4255.7/74



Right In: -22.675+/-0.435 χ^2/NDF: 154.4/15

Left Out: -37.045+/-0.209 χ^2/NDF:1782.6/20

Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

Left In: -35.996+/-0.219 χ^2/NDF:1199.8/18

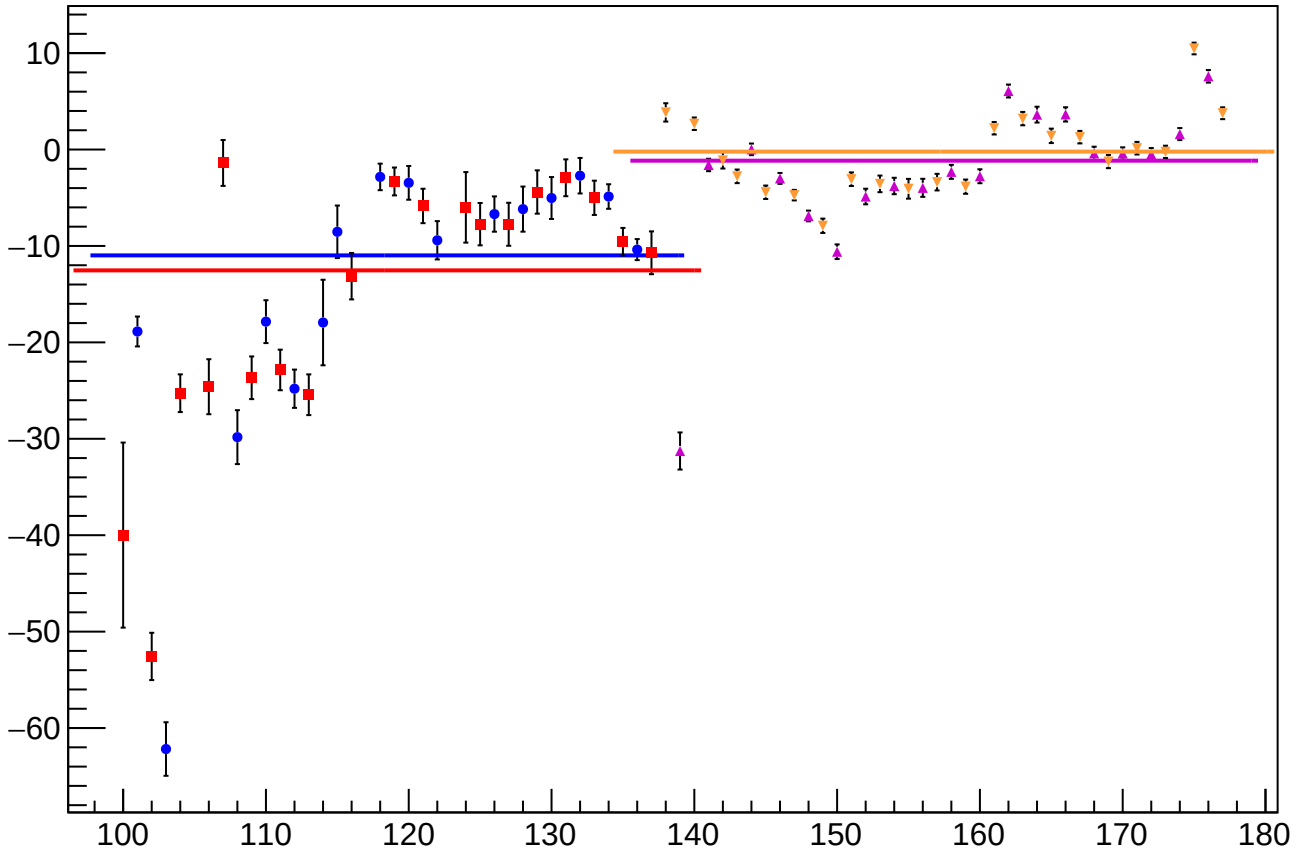
Left: -36.544+/-0.151 χ^2/NDF: 2994.4/39

Right: -22.485+/-0.307 χ^2/NDF: 560.3/34

In: -33.303+/-0.195 χ^2/NDF:2104.1/34

Out: -34.275+/-0.189 χ^2/NDF:3121.2/39

All: -33.806+/-0.136 χ^2/NDF: 5238.0/74



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: -0.216+/-0.153 χ^2/NDF:753.7/20

Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

Left In: -1.156+/-0.161 χ^2/NDF:961.6/18

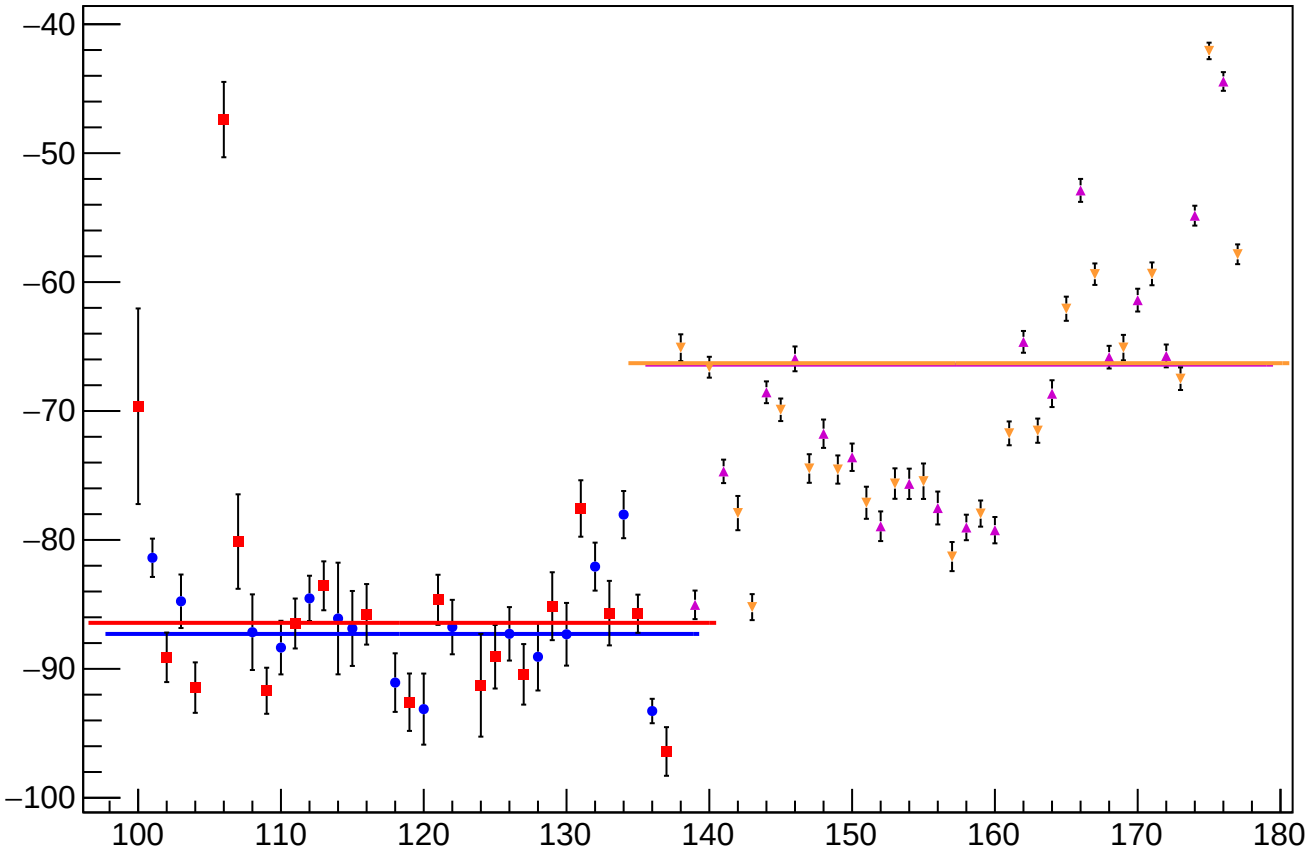
Left: -0.664+/-0.111 χ^2/NDF: 1733.2/39

Right: -11.710+/-0.330 χ^2/NDF: 1165.1/34

In: -2.252+/-0.151 χ^2/NDF:1966.0/34

Out: -1.351+/-0.146 χ^2/NDF:1921.0/39

All: -1.785+/-0.105 χ^2/NDF: 3905.3/74



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -66.290+/-0.207 χ^2/NDF:2822.9/20

Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

Left In: -66.404+/-0.217 χ^2/NDF:2433.5/18

Left: -66.345+/-0.150 χ^2/NDF: 5256.6/39

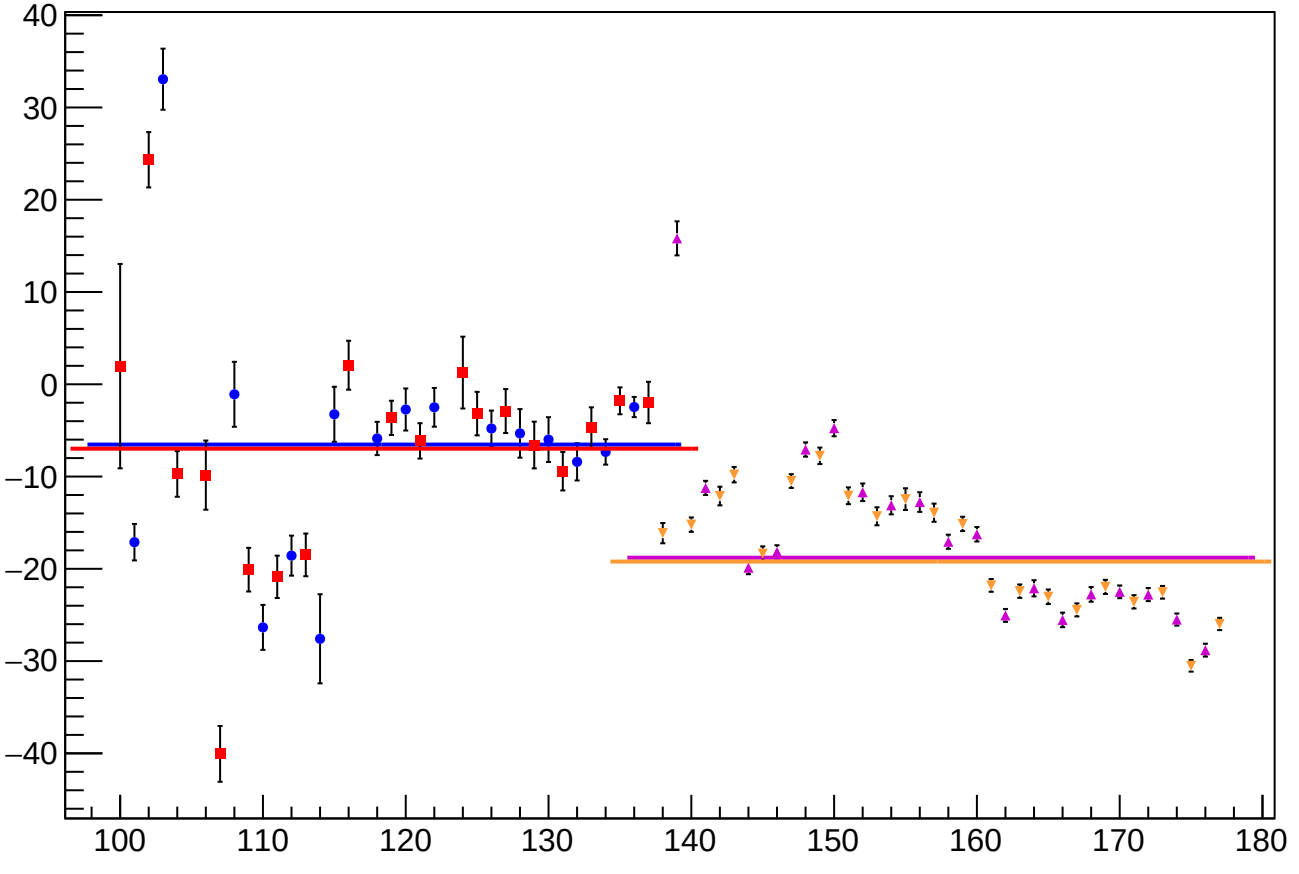
Right: -86.883+/-0.348 χ^2/NDF: 367.6/34

In: -69.932+/-0.198 χ^2/NDF:4104.5/34

Out: -69.188+/-0.192 χ^2/NDF:4444.5/39

All: -69.549+/-0.138 χ^2/NDF: 8556.3/74

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: -19.215+/-0.174 χ^2/NDF:1293.6/20

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

Left In: -18.795+/-0.182 χ^2/NDF:1632.1/18

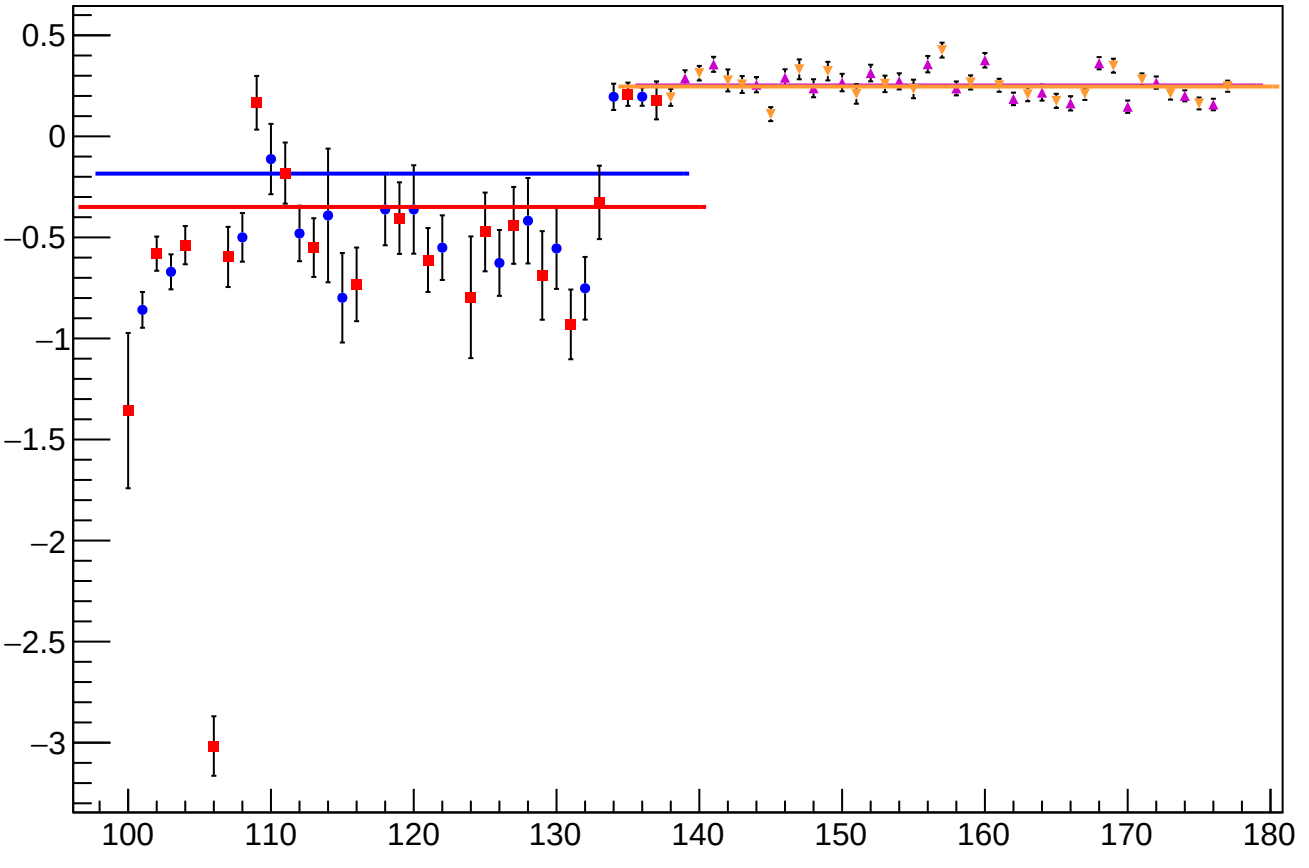
Left: -19.015+/-0.126 χ^2/NDF: 2928.5/39

Right: -6.743+/-0.370 χ^2/NDF: 682.6/34

In: -17.398+/-0.171 χ^2/NDF:2462.3/34

Out: -18.076+/-0.165 χ^2/NDF:2124.7/39

All: -17.749+/-0.119 χ^2/NDF: 4595.1/74



Right In: -0.184+/-0.027 χ^2/NDF: 247.3/15

Left Out: 0.247+/-0.008 χ^2/NDF:78.0/20

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

Left In: 0.252+/-0.008 χ^2/NDF:82.2/18

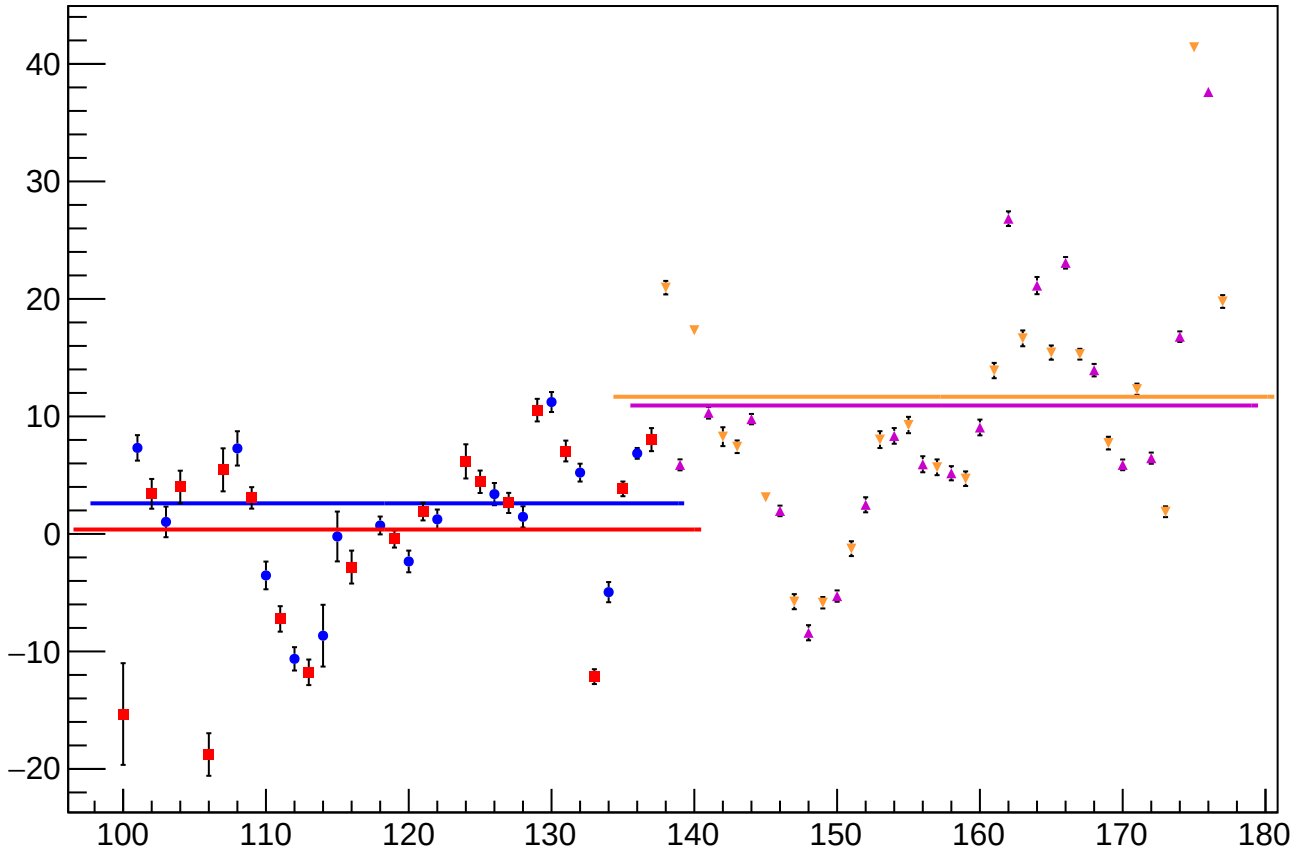
Left: 0.249+/-0.006 χ^2/NDF: 160.4/39

Right: -0.259+/-0.020 χ^2/NDF: 781.1/34

In: 0.215+/-0.008 χ^2/NDF:572.8/34

Out: 0.207+/-0.008 χ^2/NDF:980.0/39

All: 0.211+/-0.005 χ^2/NDF: 1553.4/74



Right In: 2.604+/-0.224 χ^2/NDF: 573.1/15

Left Out: 11.675+/-0.117 χ^2/NDF:10219.6/20

Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 10.930+/-0.120 χ^2/NDF:8615.0/18

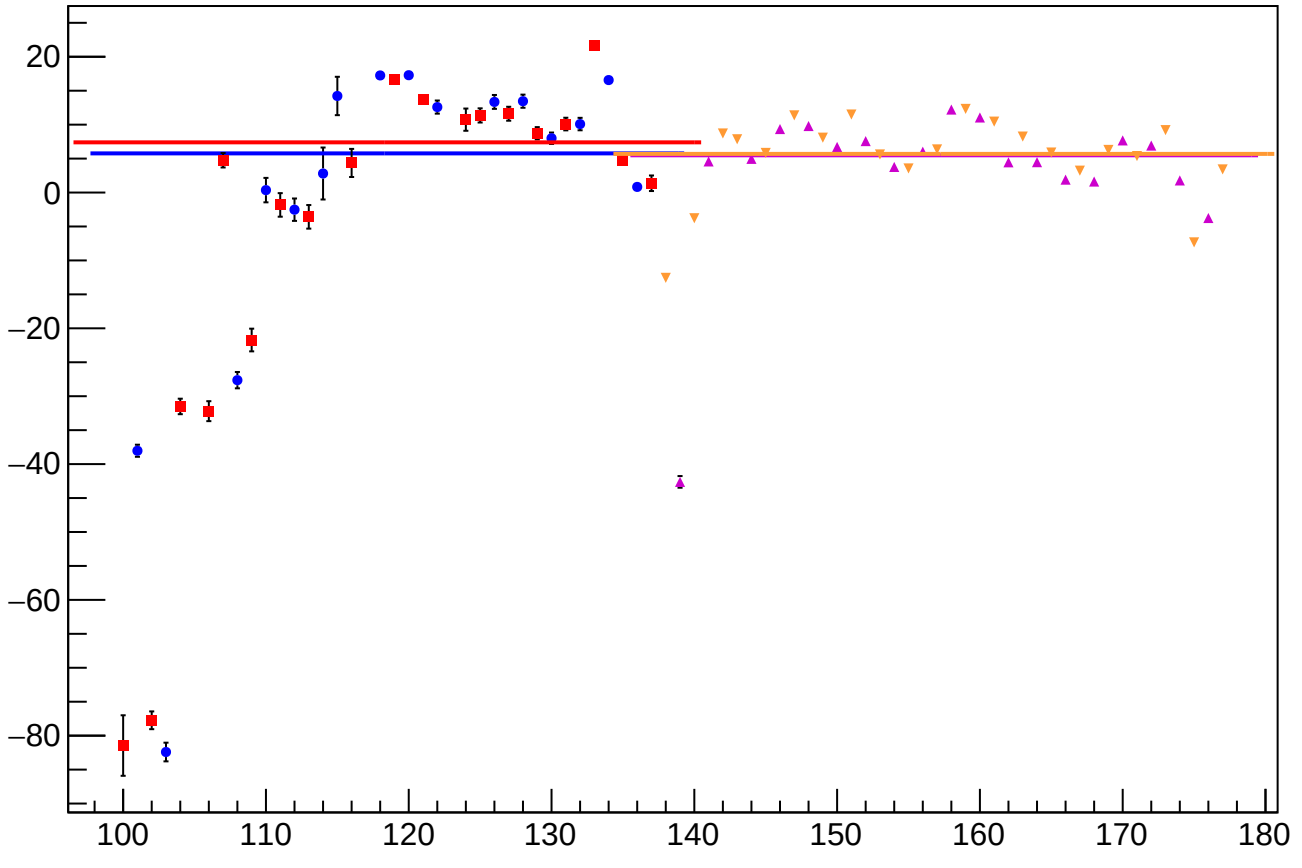
Left: 11.312+/-0.084 χ^2/NDF: 18854.3/39

Right: 1.481+/-0.158 χ^2/NDF: 1653.8/34

In: 9.066+/-0.106 χ^2/NDF:10259.5/34

Out: 9.212+/-0.104 χ^2/NDF:13271.5/39

All: 9.140+/-0.074 χ^2/NDF: 23531.9/74



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 5.692+/-0.086 χ^2/NDF:4308.4/20

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

Left In: 5.486+/-0.089 χ^2/NDF:4896.2/18

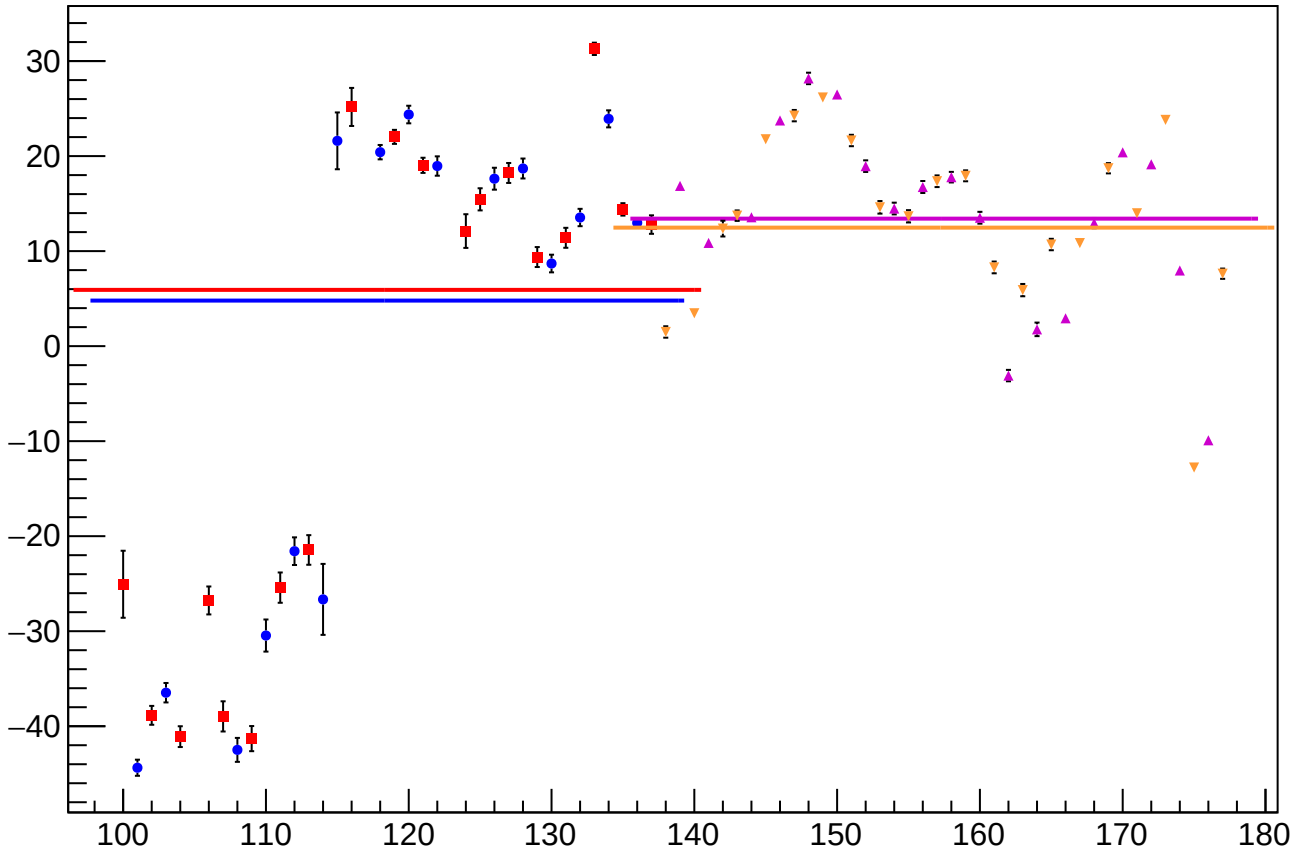
Left: 5.593+/-0.062 χ^2/NDF: 9207.4/39

Right: 6.585+/-0.148 χ^2/NDF: 17354.6/34

In: 5.529+/-0.082 χ^2/NDF:13831.6/34

Out: 5.938+/-0.079 χ^2/NDF:12755.8/39

All: 5.740+/-0.057 χ^2/NDF: 26600.2/74



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 12.471+/-0.116 χ^2/NDF:8041.6/20

Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 13.417+/-0.119 χ^2/NDF:7242.1/18

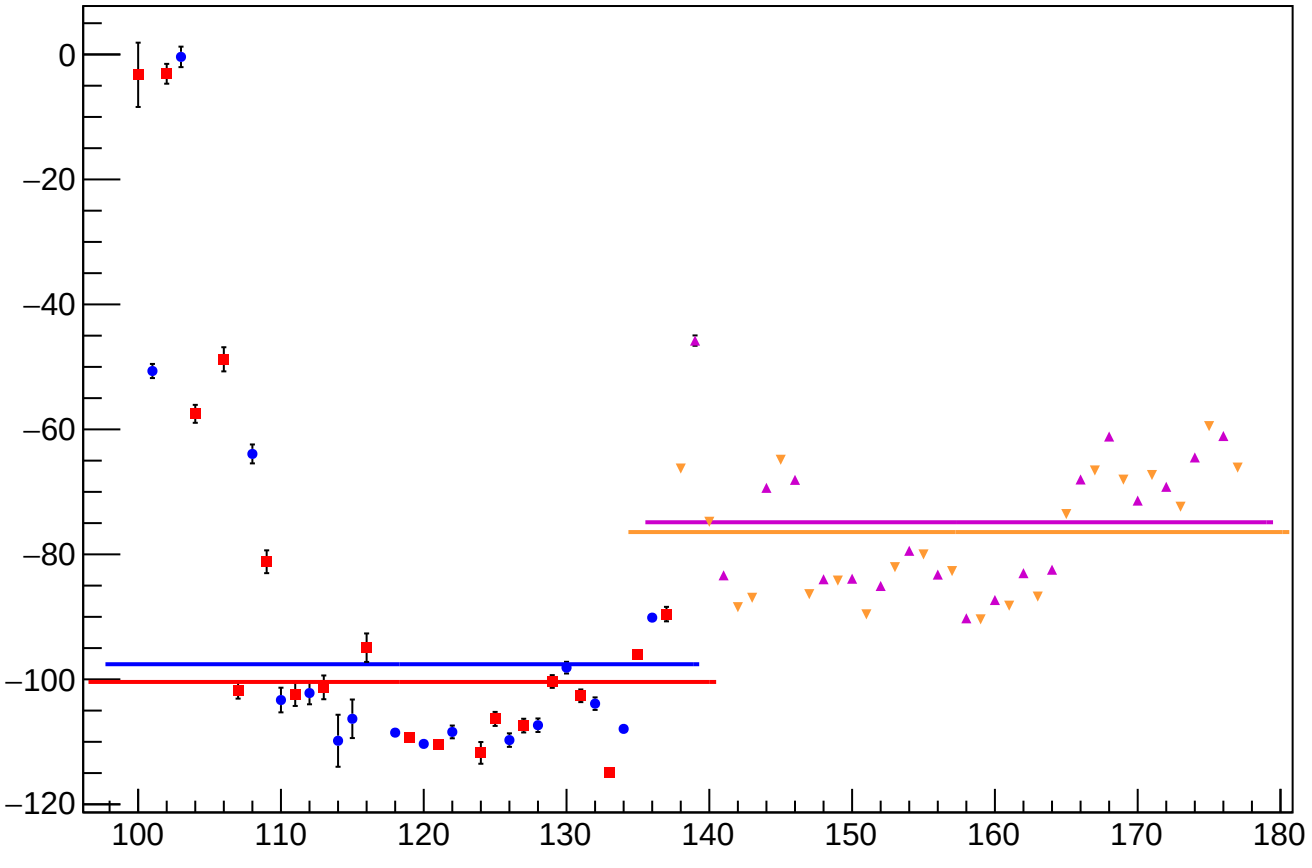
Left: 12.933+/-0.083 χ^2/NDF: 15316.0/39

Right: 5.352+/-0.169 χ^2/NDF: 19567.4/34

In: 11.686+/-0.106 χ^2/NDF:17793.4/34

Out: 11.227+/-0.105 χ^2/NDF:18704.9/39

All: 11.453+/-0.075 χ^2/NDF: 36507.8/74



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -76.431+/-0.098 χ^2/NDF:10353.7/20

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

Left In: -74.862+/-0.101 χ^2/NDF:9415.5/18

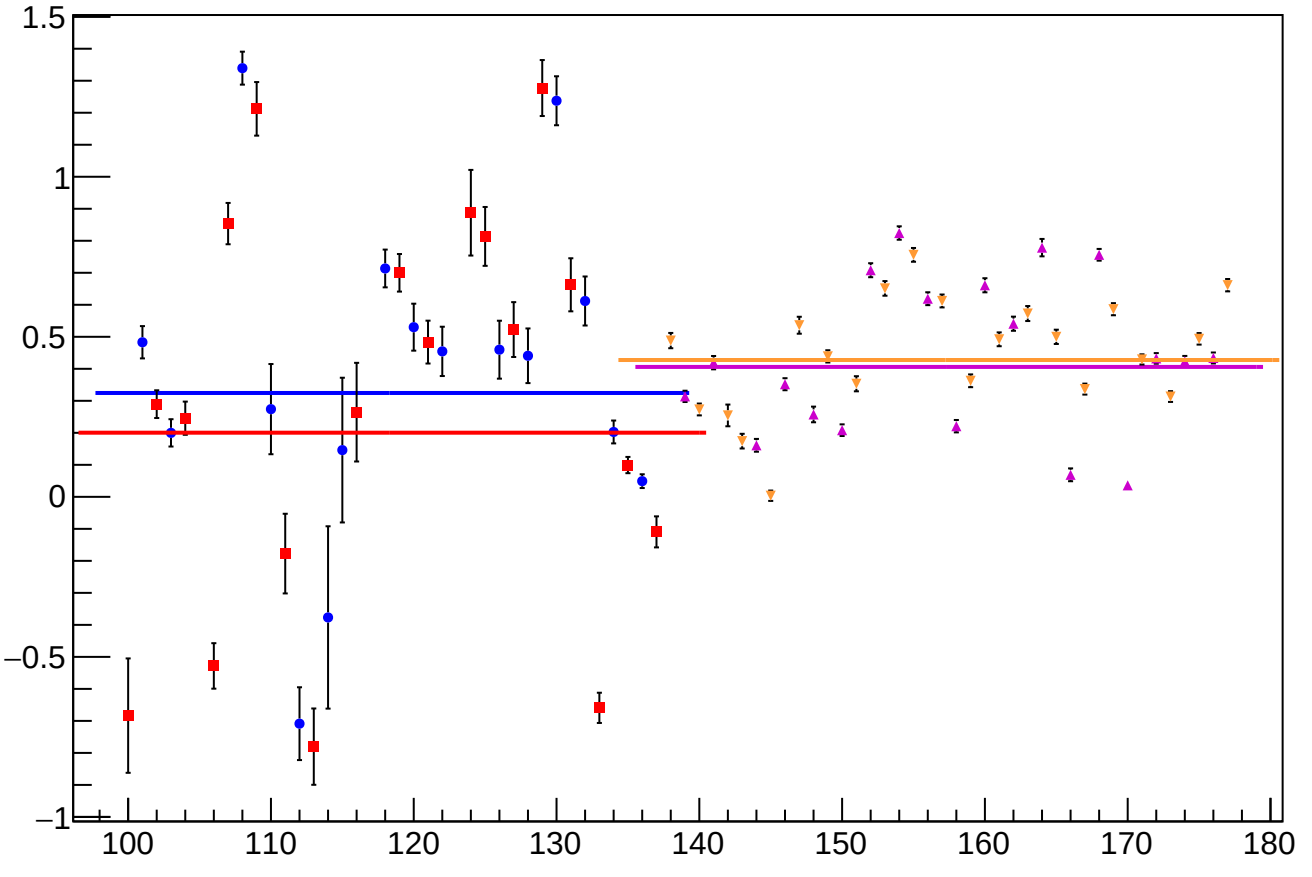
Left: -75.674+/-0.070 χ^2/NDF: 19893.5/39

Right: -99.004+/-0.171 χ^2/NDF: 14329.0/34

In: -78.250+/-0.093 χ^2/NDF:24078.0/34

Out: -79.821+/-0.091 χ^2/NDF:25977.7/39

All: -79.059+/-0.065 χ^2/NDF: 50201.4/74



Right In: 0.324+/-0.013 χ^2/NDF: 886.5/15

Left Out: 0.427+/-0.004 χ^2/NDF:1723.0/20

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

Left In: 0.406+/-0.004 χ^2/NDF:2701.3/18

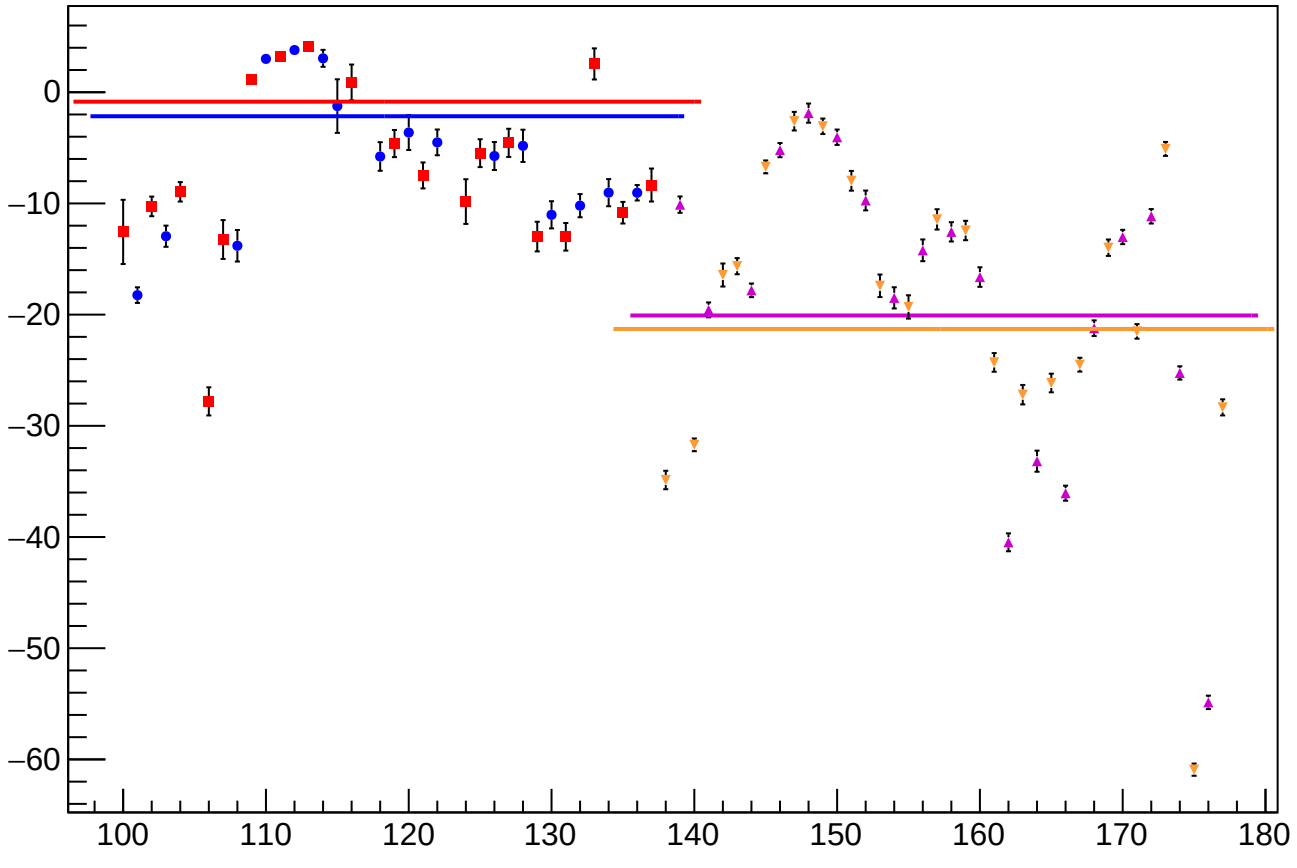
Left: 0.417+/-0.003 χ^2/NDF: 4436.1/39

Right: 0.265+/-0.010 χ^2/NDF: 2134.6/34

In: 0.398+/-0.004 χ^2/NDF:3621.5/34

Out: 0.407+/-0.004 χ^2/NDF:3173.5/39

All: 0.402+/-0.003 χ^2/NDF: 6797.3/74



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -21.291+/-0.162 χ^2/NDF:9117.0/20

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

Left In: -20.077+/-0.167 χ^2/NDF:7082.0/18

Left: -20.703+/-0.116 χ^2/NDF: 16226.2/39

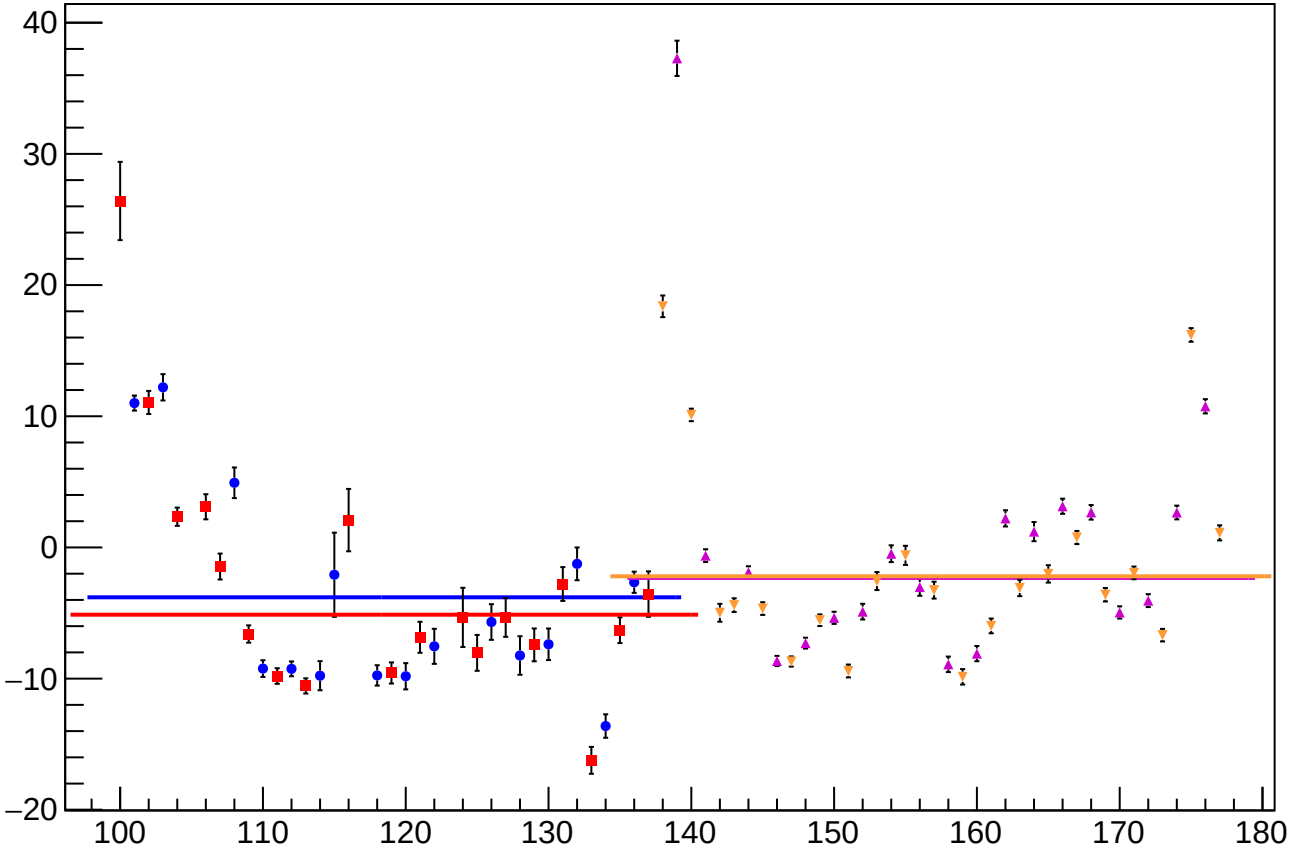
Right: -1.426+/-0.127 χ^2/NDF: 2982.5/34

In: -12.352+/-0.126 χ^2/NDF:13528.0/34

Out: -11.577+/-0.117 χ^2/NDF:18136.4/39

All: -11.937+/-0.086 χ^2/NDF: 31684.6/74

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.800+/-0.226 χ^2/NDF: 1425.5/15

Left Out: -2.200+/-0.118 χ^2/NDF:3536.9/20

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

Left In: -2.323+/-0.123 χ^2/NDF:2545.2/18

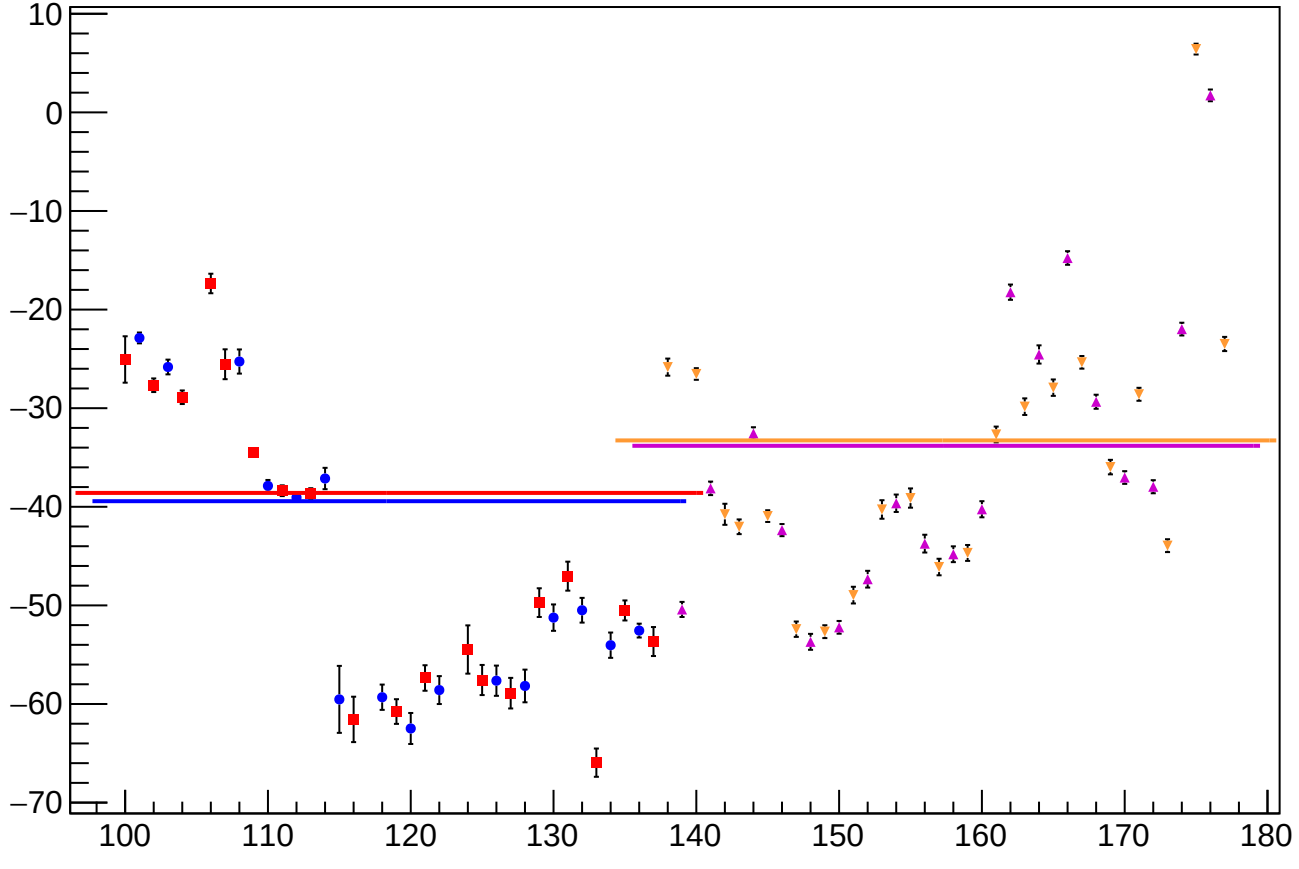
Left: -2.259+/-0.085 χ^2/NDF: 6082.6/39

Right: -4.484+/-0.157 χ^2/NDF: 2423.8/34

In: -2.660+/-0.108 χ^2/NDF:4003.8/34

Out: -2.858+/-0.104 χ^2/NDF:4656.1/39

All: -2.763+/-0.075 χ^2/NDF: 8661.7/74



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -33.269+/-0.161 χ^2/NDF:8853.8/20

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

Left In: -33.814+/-0.165 χ^2/NDF:8052.7/18

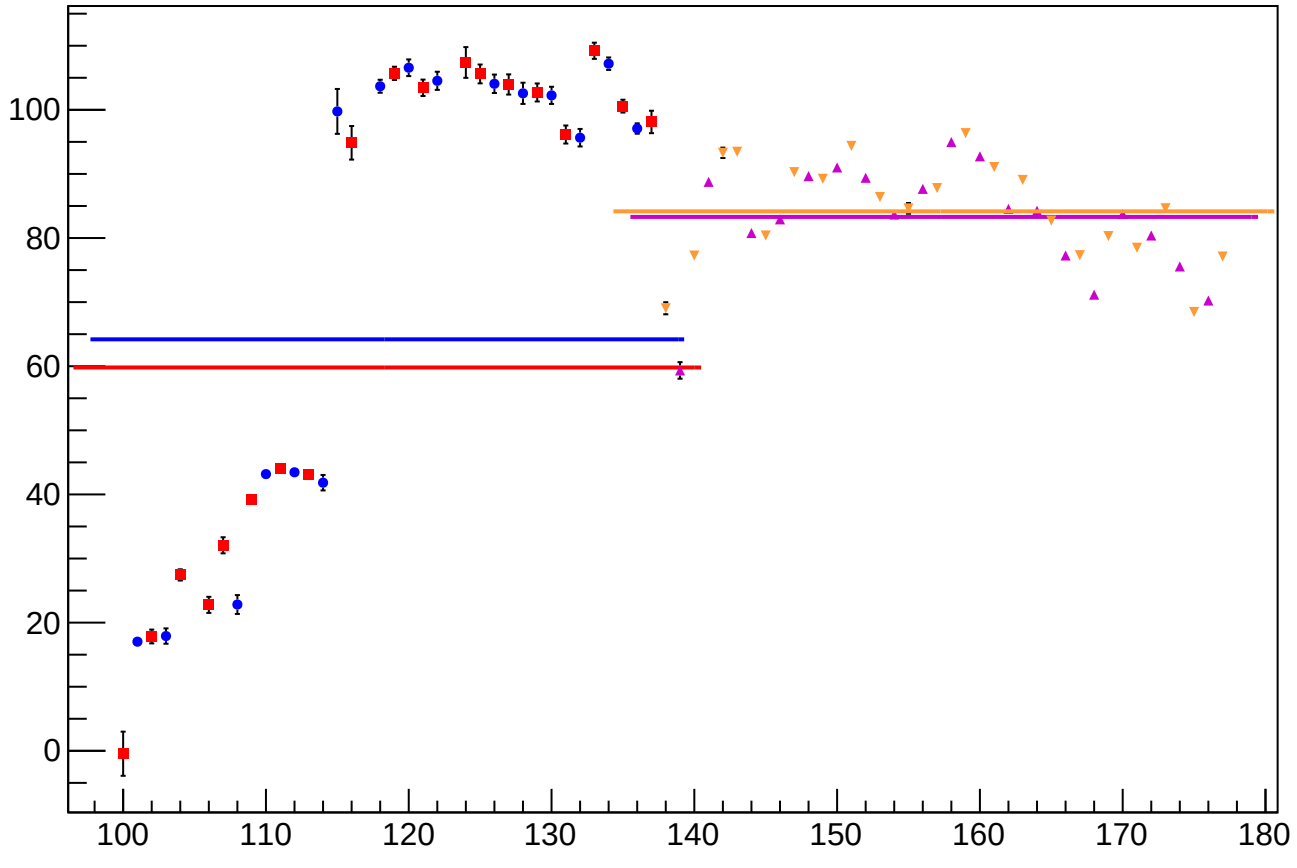
Left: -33.534+/-0.115 χ^2/NDF: 16912.1/39

Right: -38.987+/-0.155 χ^2/NDF: 5737.6/34

In: -35.778+/-0.133 χ^2/NDF:11414.6/34

Out: -35.202+/-0.128 χ^2/NDF:12025.4/39

All: -35.479+/-0.092 χ^2/NDF: 23449.7/74



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 84.164+/-0.134 χ^2/NDF:3175.2/20

Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 83.293+/-0.140 χ^2/NDF:2653.9/18

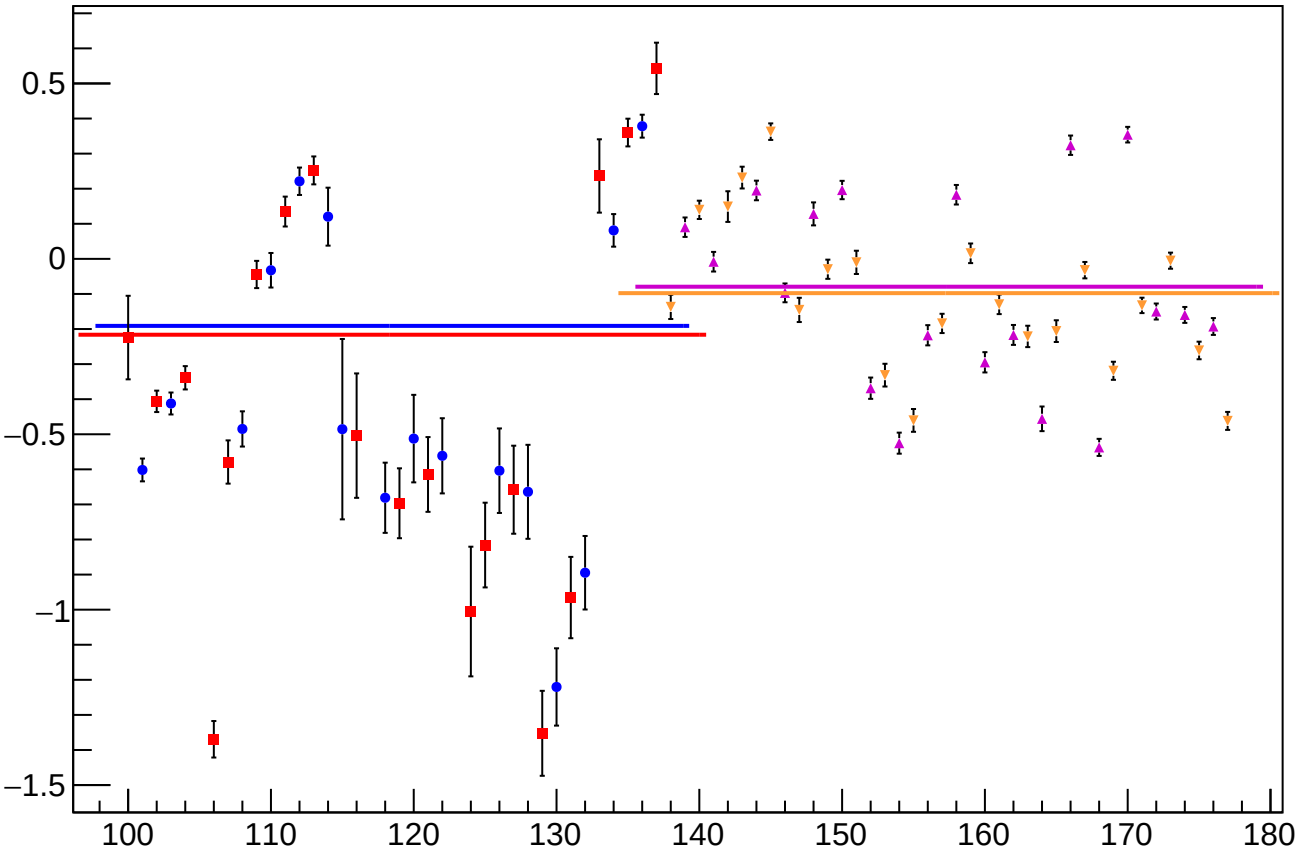
Left: 83.745+/-0.097 χ^2/NDF: 5849.4/39

Right: 61.924+/-0.179 χ^2/NDF: 36178.0/34

In: 78.959+/-0.123 χ^2/NDF:25502.4/34

Out: 78.661+/-0.118 χ^2/NDF:28030.2/39

All: 78.805+/-0.085 χ^2/NDF: 53535.7/74



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: -0.098+/-0.006 χ^2/NDF:1203.4/20

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

Left In: -0.079+/-0.006 χ^2/NDF:1900.2/18

Left: -0.089+/-0.004 χ^2/NDF: 3108.1/39

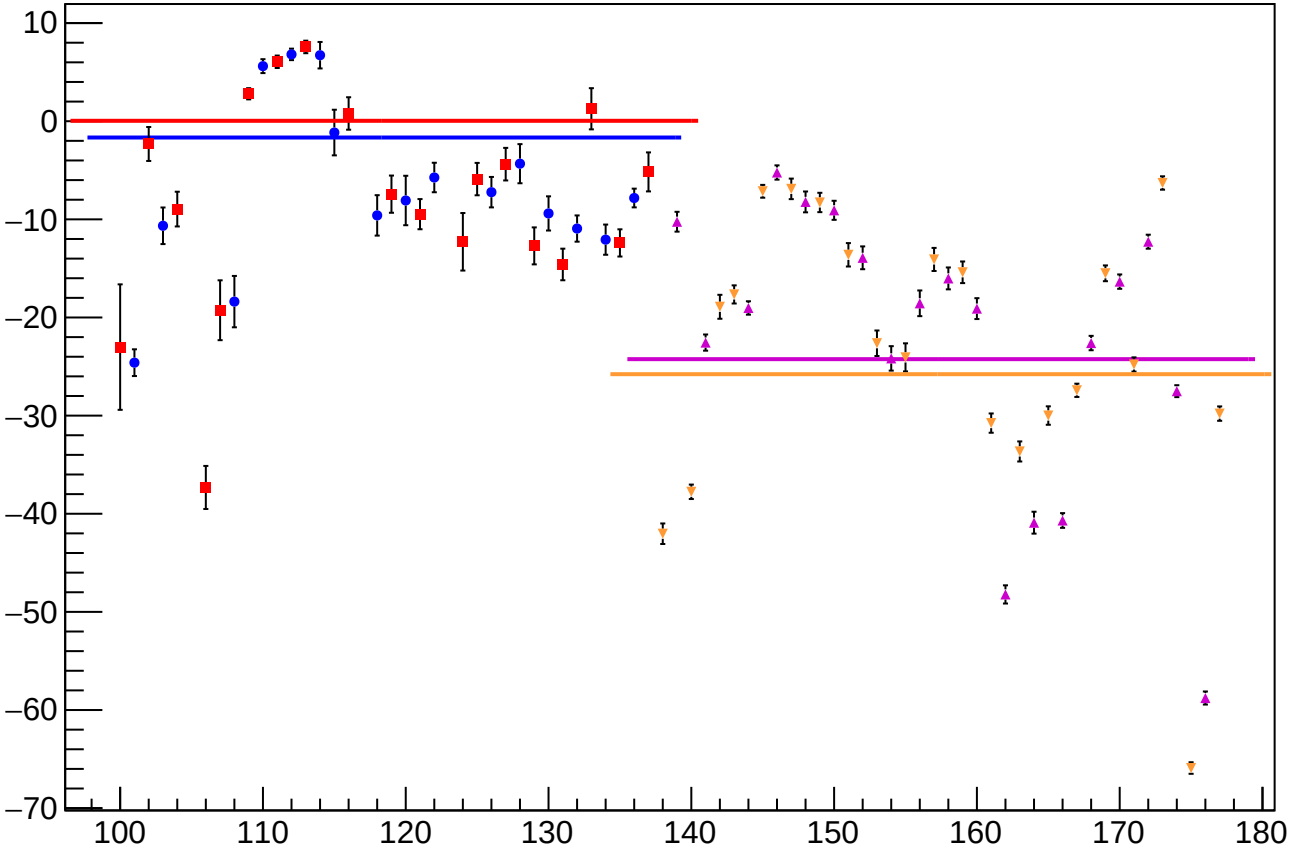
Right: -0.204+/-0.009 χ^2/NDF: 2288.3/34

In: -0.099+/-0.006 χ^2/NDF:2875.6/34

Out: -0.119+/-0.005 χ^2/NDF:2640.3/39

All: -0.109+/-0.004 χ^2/NDF: 5522.5/74

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.661+/-0.308 χ^2/NDF: 900.3/15

Left Out: -25.778+/-0.189 χ^2/NDF:8132.4/20

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

Left In: -24.246+/-0.194 χ^2/NDF:6074.6/18

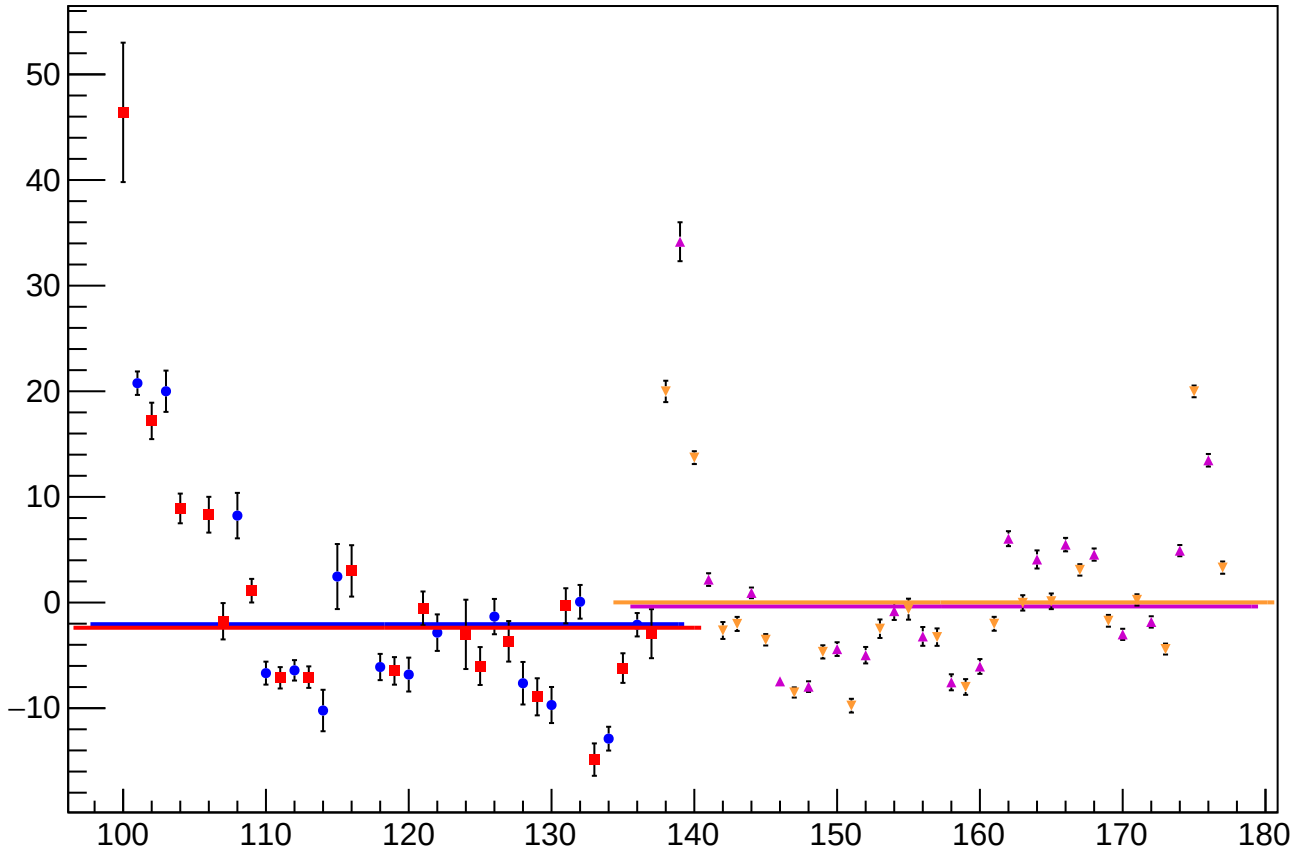
Left: -25.031+/-0.136 χ^2/NDF: 14238.8/39

Right: -0.734+/-0.208 χ^2/NDF: 1848.1/34

In: -17.819+/-0.164 χ^2/NDF:10820.1/34

Out: -17.748+/-0.157 χ^2/NDF:14843.3/39

All: -17.782+/-0.114 χ^2/NDF: 25663.4/74



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: 0.015+/-0.139 χ^2/NDF:3145.2/20

Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

Left In: -0.368+/-0.143 χ^2/NDF:2049.2/18

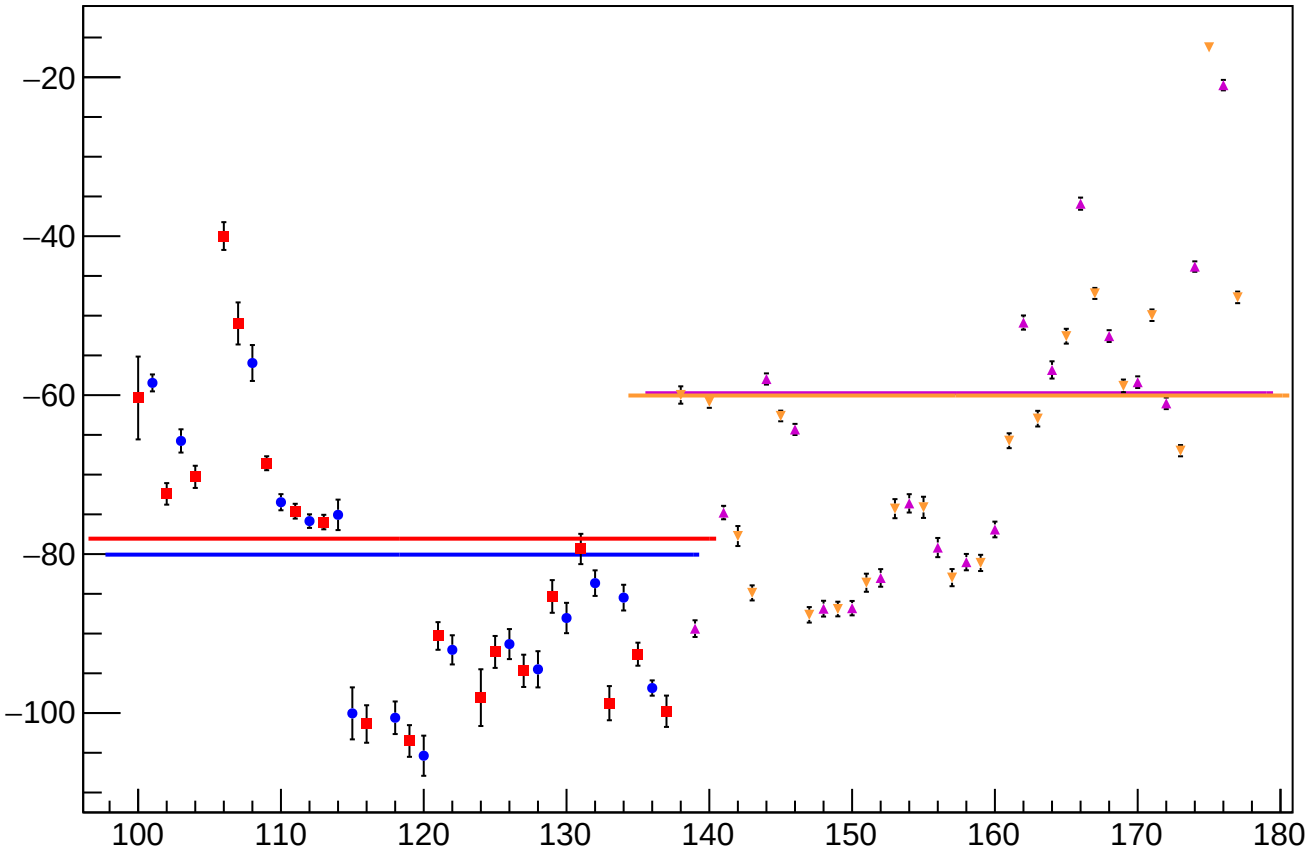
Left: -0.171+/-0.100 χ^2/NDF: 5198.1/39

Right: -2.218+/-0.252 χ^2/NDF: 1223.3/34

In: -0.601+/-0.133 χ^2/NDF:2840.3/34

Out: -0.303+/-0.129 χ^2/NDF:3635.7/39

All: -0.448+/-0.093 χ^2/NDF: 6478.6/74



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -60.046+/-0.188 χ^2/NDF:10658.8/20

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

Left In: -59.760+/-0.193 χ^2/NDF:9595.9/18

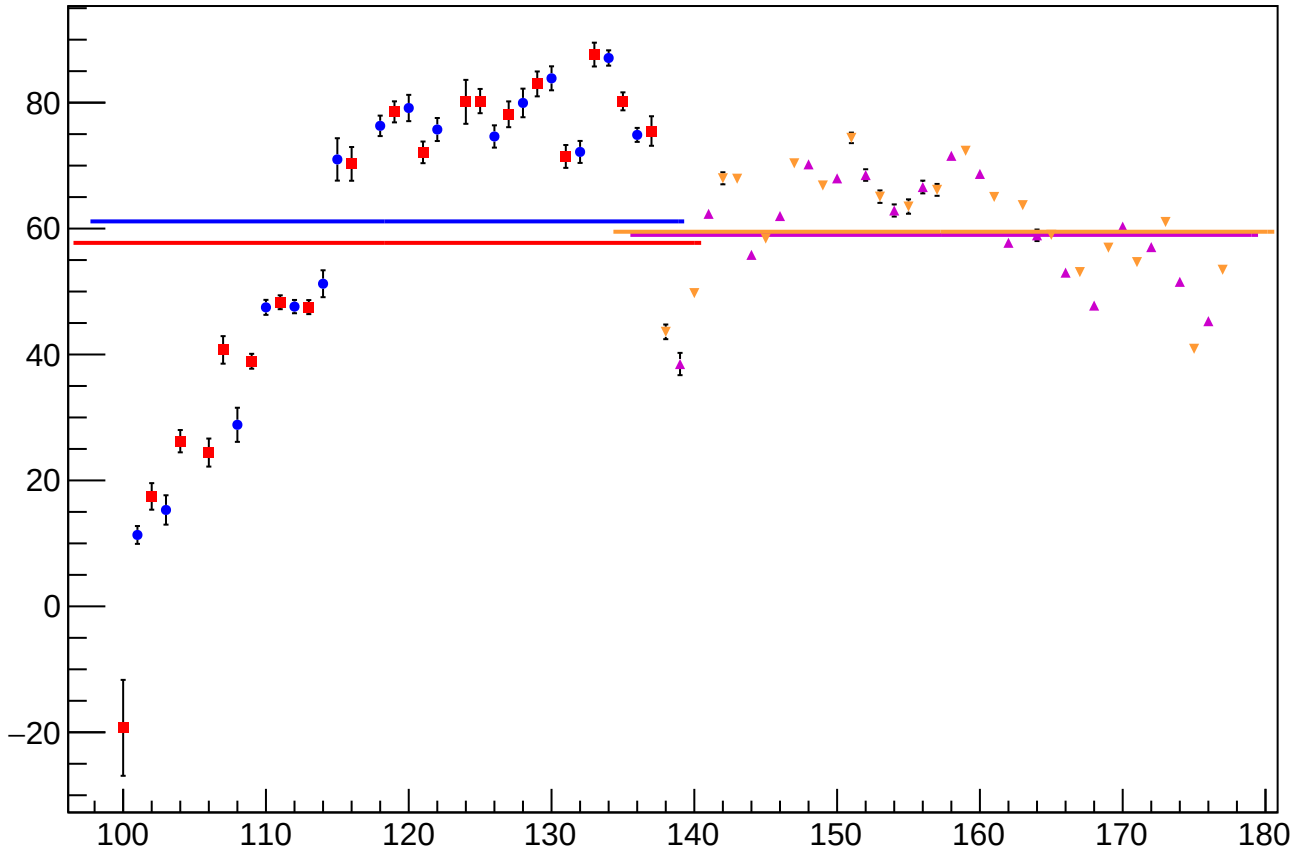
Left: -59.907+/-0.135 χ^2/NDF: 20255.8/39

Right: -79.033+/-0.254 χ^2/NDF: 2964.1/34

In: -64.214+/-0.171 χ^2/NDF:13408.0/34

Out: -64.026+/-0.166 χ^2/NDF:14242.5/39

All: -64.117+/-0.119 χ^2/NDF: 27651.1/74



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 59.497+/-0.158 χ^2/NDF:3022.9/20

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

Left In: 58.997+/-0.162 χ^2/NDF:2218.5/18

Left: 59.254+/-0.113 χ^2/NDF: 5246.4/39

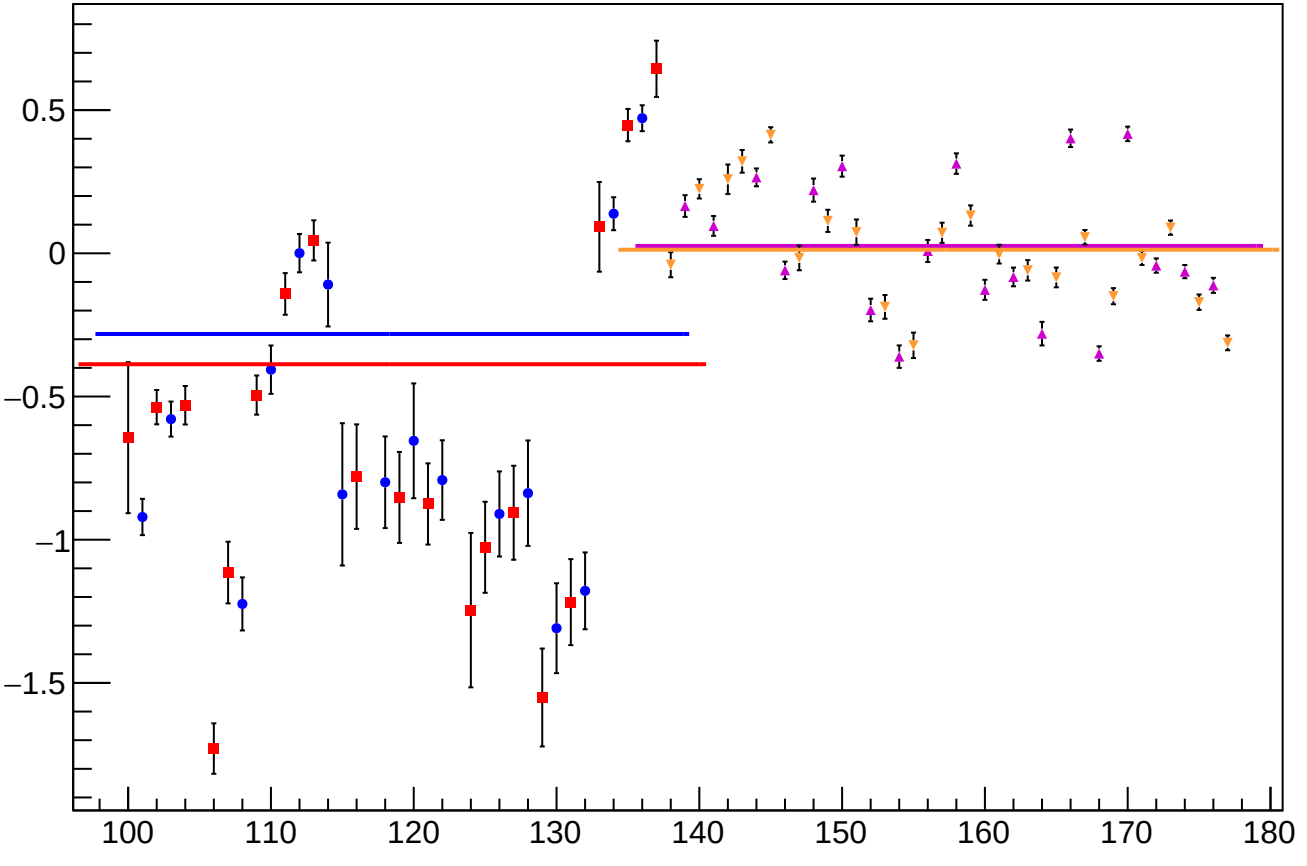
Right: 59.431+/-0.283 χ^2/NDF: 6041.2/34

In: 59.299+/-0.150 χ^2/NDF:5472.4/34

Out: 59.259+/-0.147 χ^2/NDF:5815.5/39

All: 59.279+/-0.105 χ^2/NDF: 11287.9/74

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: 0.013+/-0.007 χ^2/NDF:719.9/20

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

Left In: 0.026+/-0.007 χ^2/NDF:1102.9/18

Left: 0.019+/-0.005 χ^2/NDF: 1824.4/39

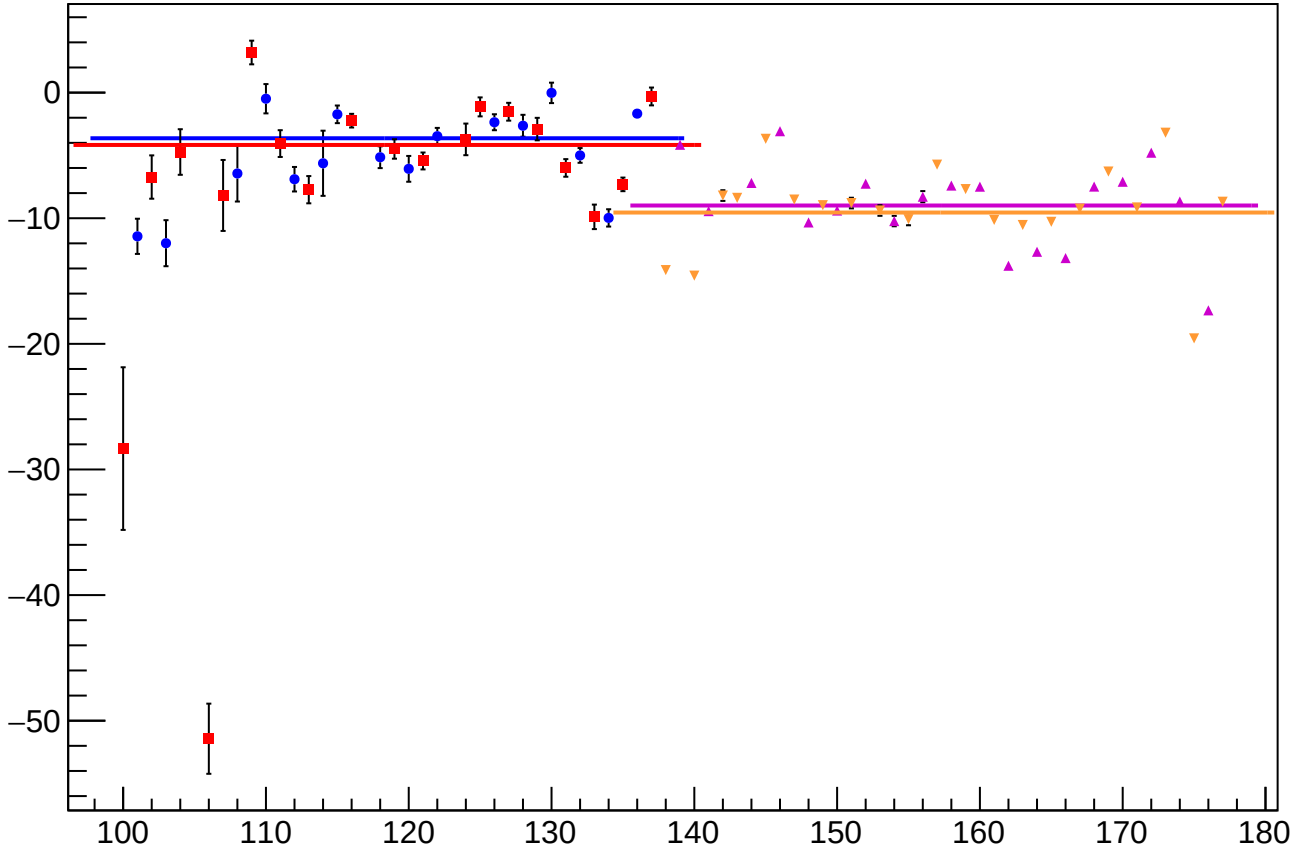
Right: -0.334+/-0.015 χ^2/NDF: 1558.7/34

In: -0.005+/-0.007 χ^2/NDF:2012.8/34

Out: -0.026+/-0.007 χ^2/NDF:1840.0/39

All: -0.015+/-0.005 χ^2/NDF: 3857.3/74

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -9.547+/-0.061 χ^2/NDF:5485.6/20

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

Left In: -8.987+/-0.063 χ^2/NDF:3769.3/18

Left: -9.273+/-0.044 χ^2/NDF: 9295.7/39

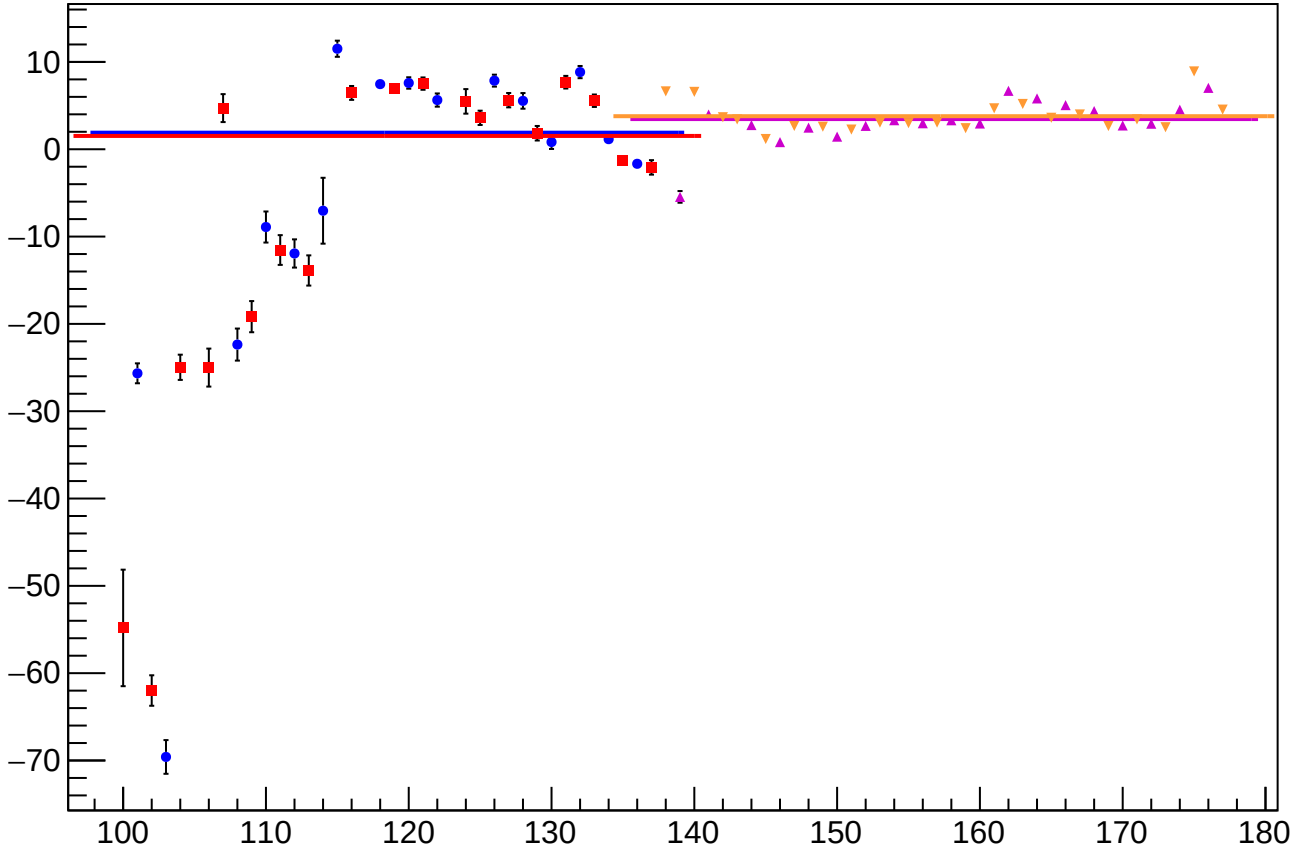
Right: -3.886+/-0.137 χ^2/NDF: 768.2/34

In: -8.459+/-0.059 χ^2/NDF:4726.9/34

Out: -9.083+/-0.059 χ^2/NDF:6680.2/39

All: -8.776+/-0.042 χ^2/NDF: 11463.2/74

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.898+/-0.189 χ^2/NDF: 2838.2/15

Left Out: 3.785+/-0.045 χ^2/NDF:1674.5/20

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

Left In: 3.458+/-0.046 χ^2/NDF:1520.4/18

Left: 3.625+/-0.032 χ^2/NDF: 3220.5/39

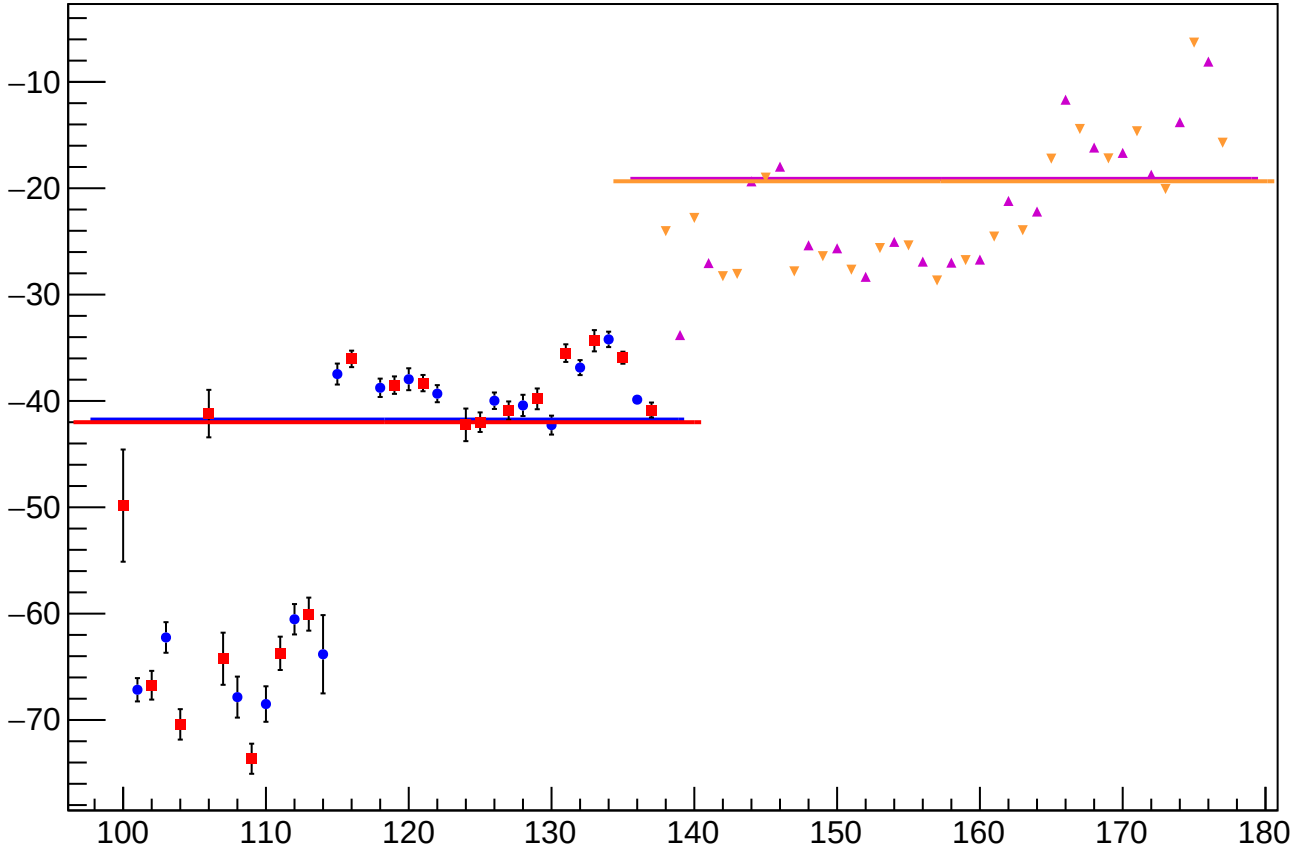
Right: 1.730+/-0.140 χ^2/NDF: 5399.7/34

In: 3.370+/-0.045 χ^2/NDF:4422.8/34

Out: 3.683+/-0.044 χ^2/NDF:4346.7/39

All: 3.529+/-0.031 χ^2/NDF: 8794.3/74

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: -19.344+/-0.061 χ^2/NDF:11401.7/20

Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

Left In: -19.117+/-0.062 χ^2/NDF:10192.1/18

Left: -19.233+/-0.044 χ^2/NDF: 21600.5/39

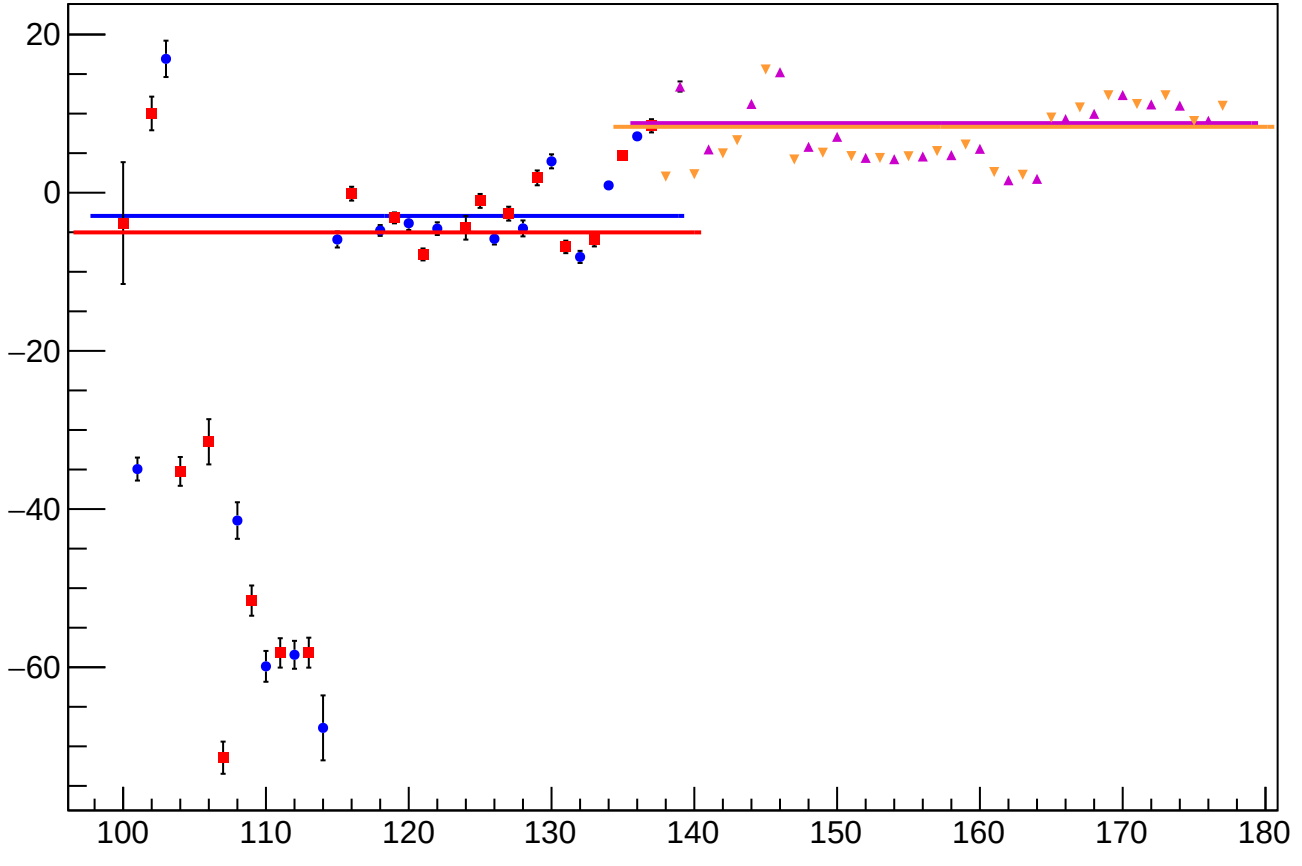
Right: -41.863+/-0.154 χ^2/NDF: 3619.8/34

In: -20.985+/-0.060 χ^2/NDF:22728.9/34

Out: -20.850+/-0.059 χ^2/NDF:22582.3/39

All: -20.917+/-0.042 χ^2/NDF: 45313.7/74

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: 8.330+/-0.051 χ^2/NDF:6130.1/20

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

Left In: 8.797+/-0.052 χ^2/NDF:5305.4/18

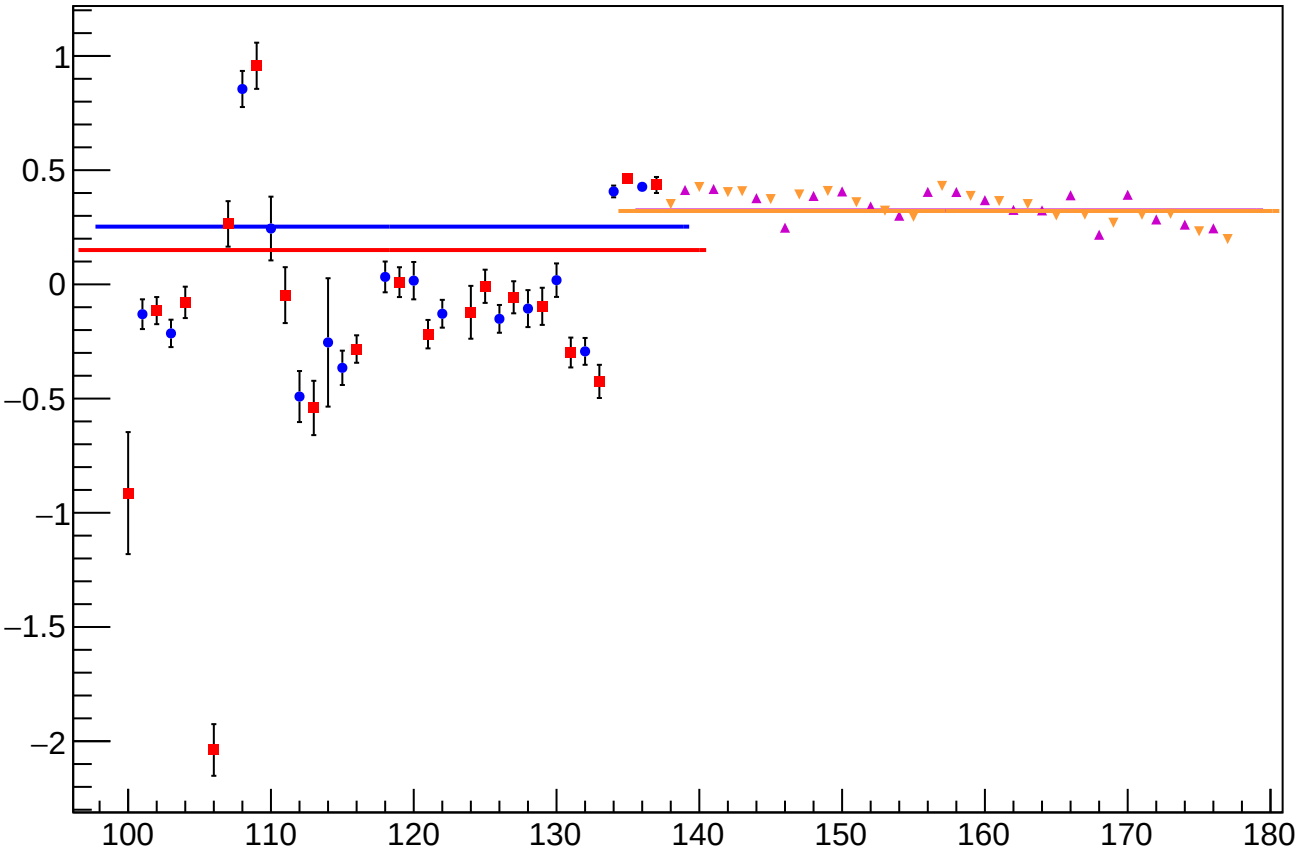
Left: 8.557+/-0.037 χ^2/NDF: 11476.4/39

Right: -3.873+/-0.155 χ^2/NDF: 8147.2/34

In: 8.109+/-0.051 χ^2/NDF:11979.1/34

Out: 7.715+/-0.050 χ^2/NDF:13670.4/39

All: 7.908+/-0.036 χ^2/NDF: 25680.3/74



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.321+/-0.002 χ^2/NDF:806.1/20

Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

Left In: 0.324+/-0.002 χ^2/NDF:861.1/18

Left: 0.322+/-0.002 χ^2/NDF: 1667.7/39

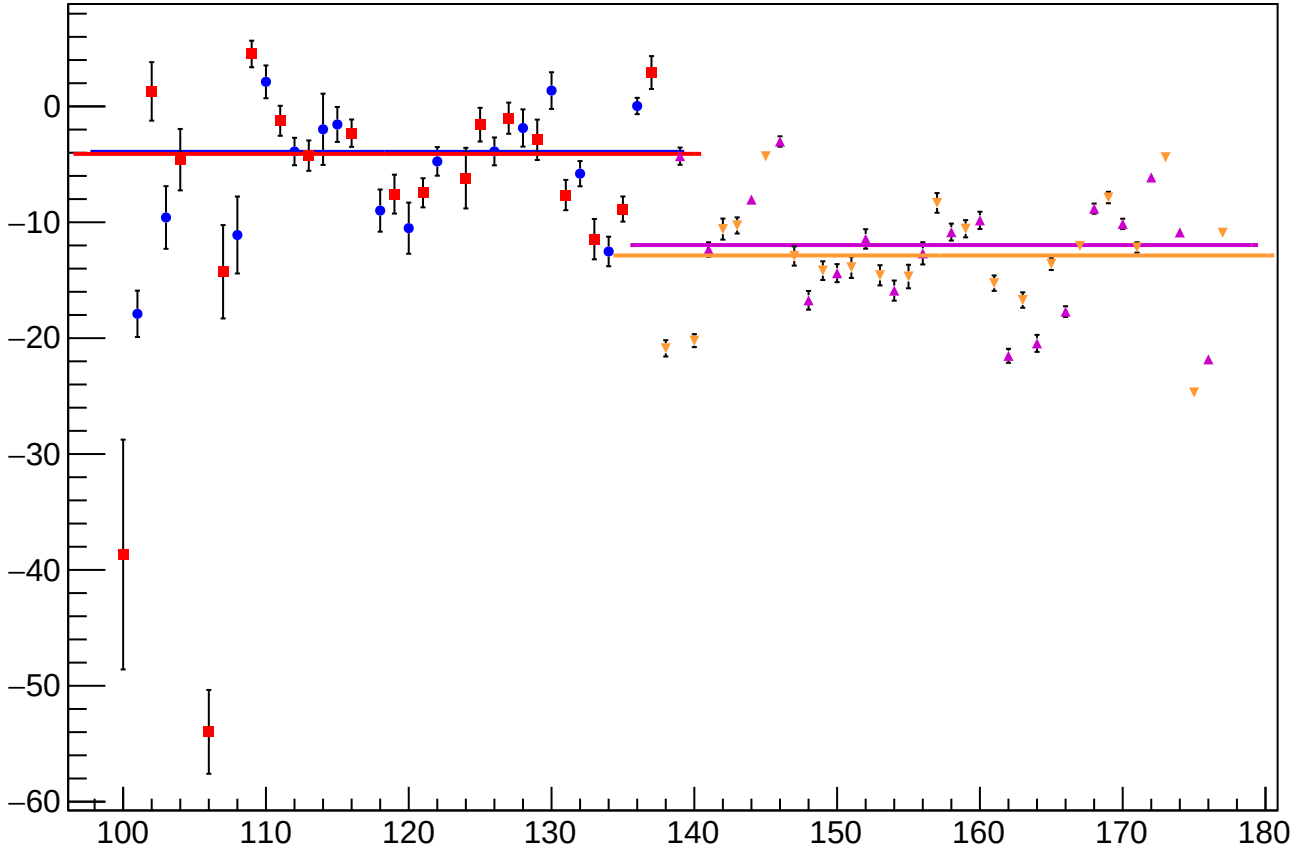
Right: 0.209+/-0.009 χ^2/NDF: 1682.8/34

In: 0.321+/-0.002 χ^2/NDF:1528.6/34

Out: 0.316+/-0.002 χ^2/NDF:1983.5/39

All: 0.319+/-0.002 χ^2/NDF: 3513.9/74

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -12.864+/-0.121 χ^2/NDF:2611.2/20

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

Left In: -11.967+/-0.124 χ^2/NDF:2094.5/18

Left: -12.426+/-0.087 χ^2/NDF: 4732.5/39

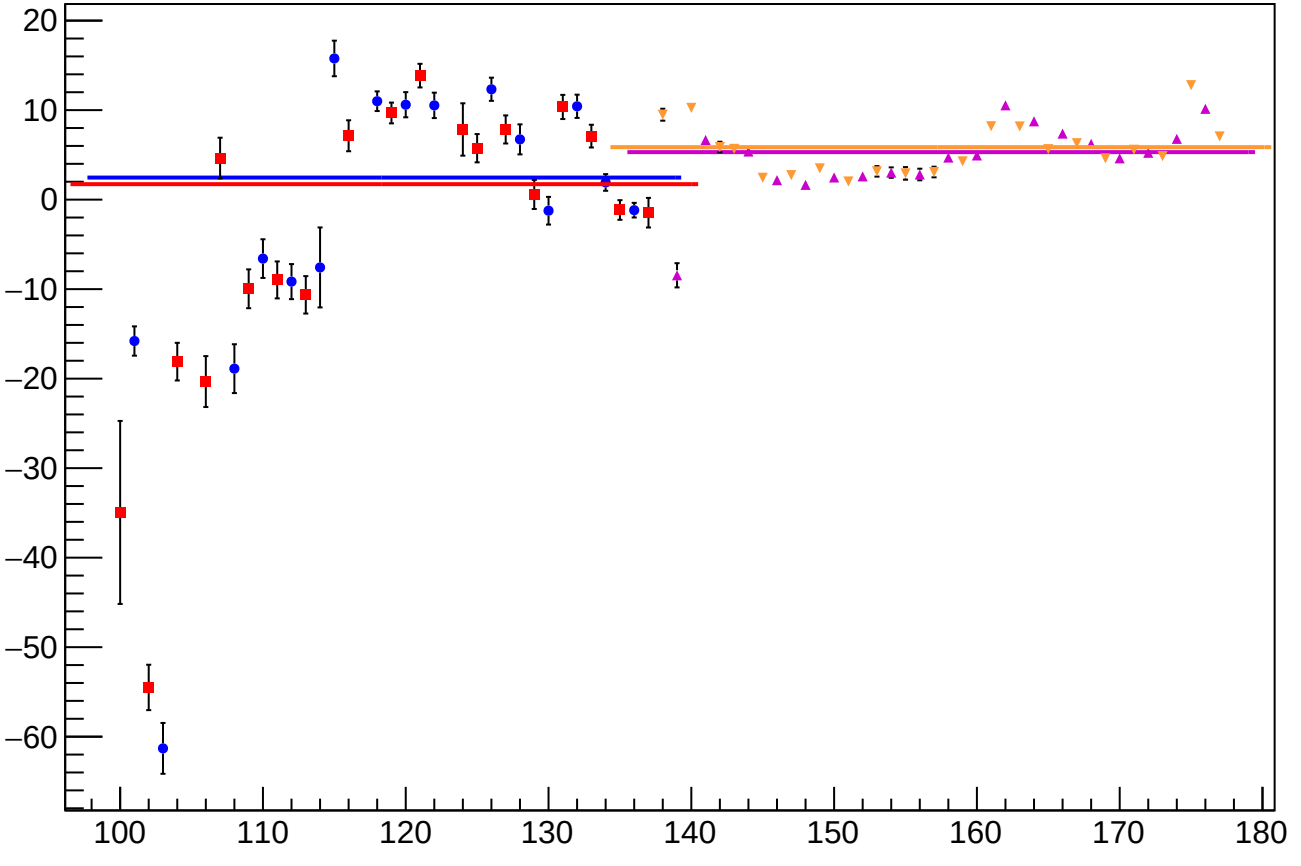
Right: -4.007+/-0.248 χ^2/NDF: 555.8/34

In: -11.050+/-0.117 χ^2/NDF:2762.0/34

Out: -11.958+/-0.115 χ^2/NDF:3519.5/39

All: -11.512+/-0.082 χ^2/NDF: 6312.2/74

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.465+/-0.357 χ^2/NDF: 1046.7/15

Left Out: 5.862+/-0.090 χ^2/NDF:1002.8/20

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

Left In: 5.307+/-0.092 χ^2/NDF:857.5/18

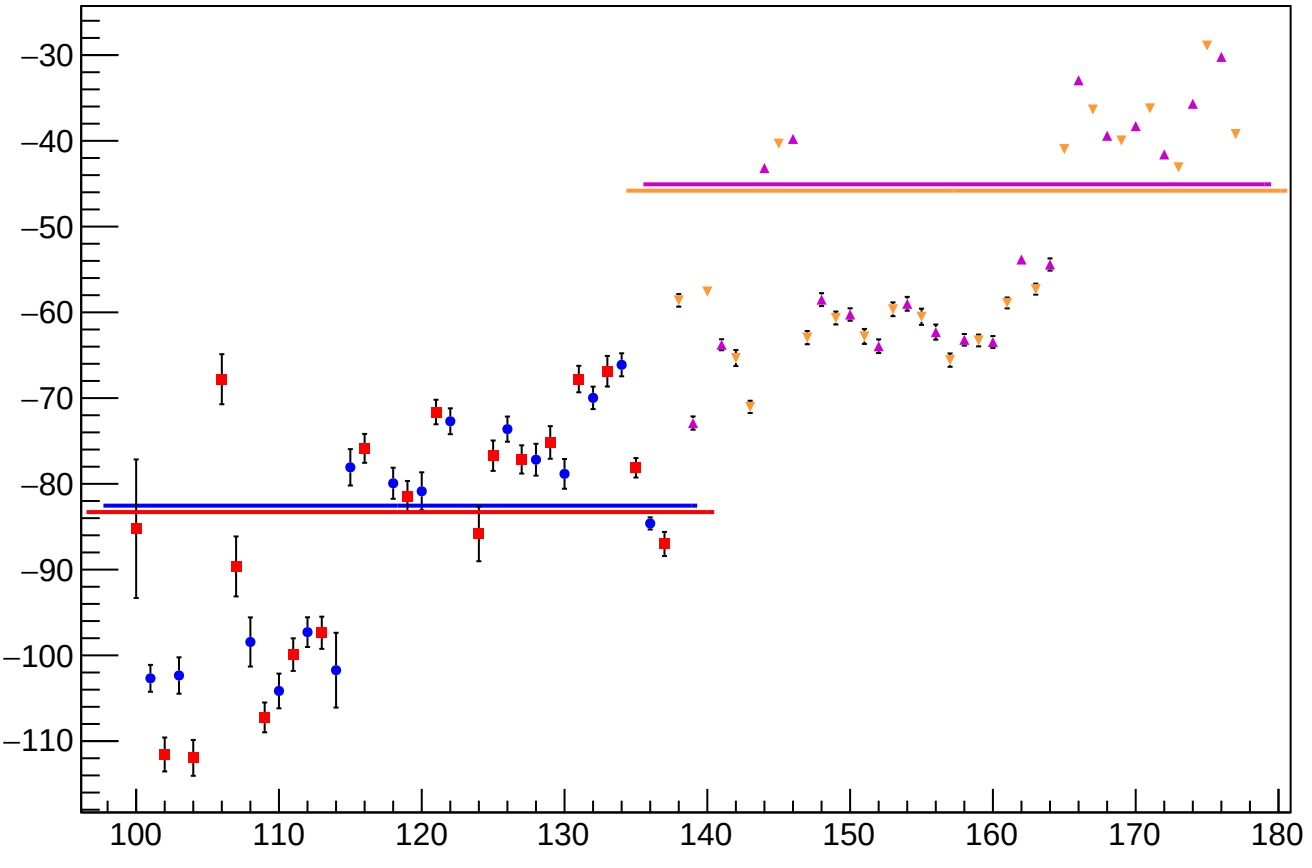
Left: 5.590+/-0.064 χ^2/NDF: 1878.8/39

Right: 2.126+/-0.262 χ^2/NDF: 2031.8/34

In: 5.130+/-0.089 χ^2/NDF:1963.7/34

Out: 5.647+/-0.088 χ^2/NDF:2094.6/39

All: 5.392+/-0.063 χ^2/NDF: 4075.4/74



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -45.813+/-0.121 χ^2/NDF:10298.9/20

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

Left In: -45.071+/-0.124 χ^2/NDF:9339.9/18

Left: -45.451+/-0.087 χ^2/NDF: 19657.3/39

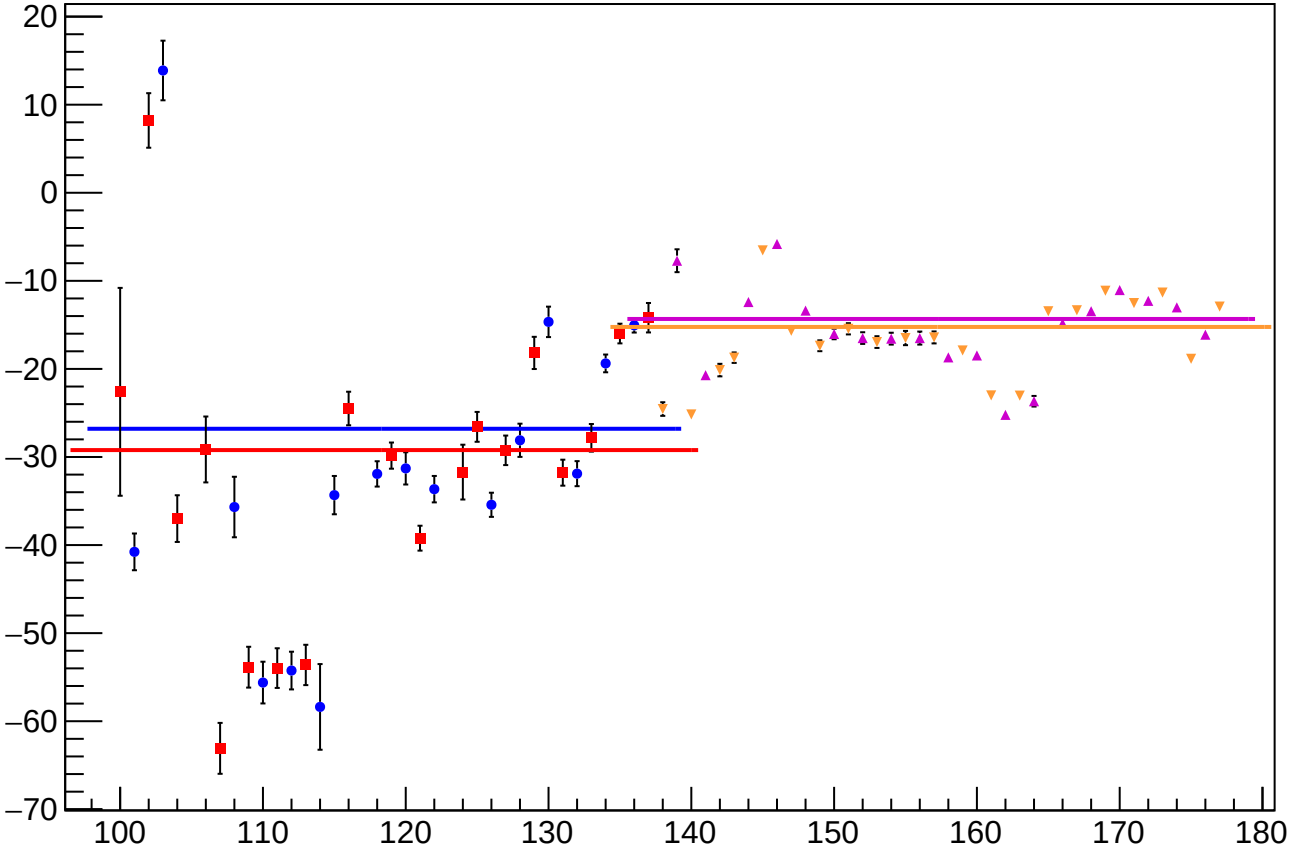
Right: -82.888+/-0.282 χ^2/NDF: 1933.1/34

In: -48.598+/-0.118 χ^2/NDF:18790.5/34

Out: -48.754+/-0.116 χ^2/NDF:18933.6/39

All: -48.677+/-0.083 χ^2/NDF: 37725.0/74

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: -15.235+/-0.101 χ^2/NDF:2176.4/20

Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

Left In: -14.329+/-0.104 χ^2/NDF:1944.3/18

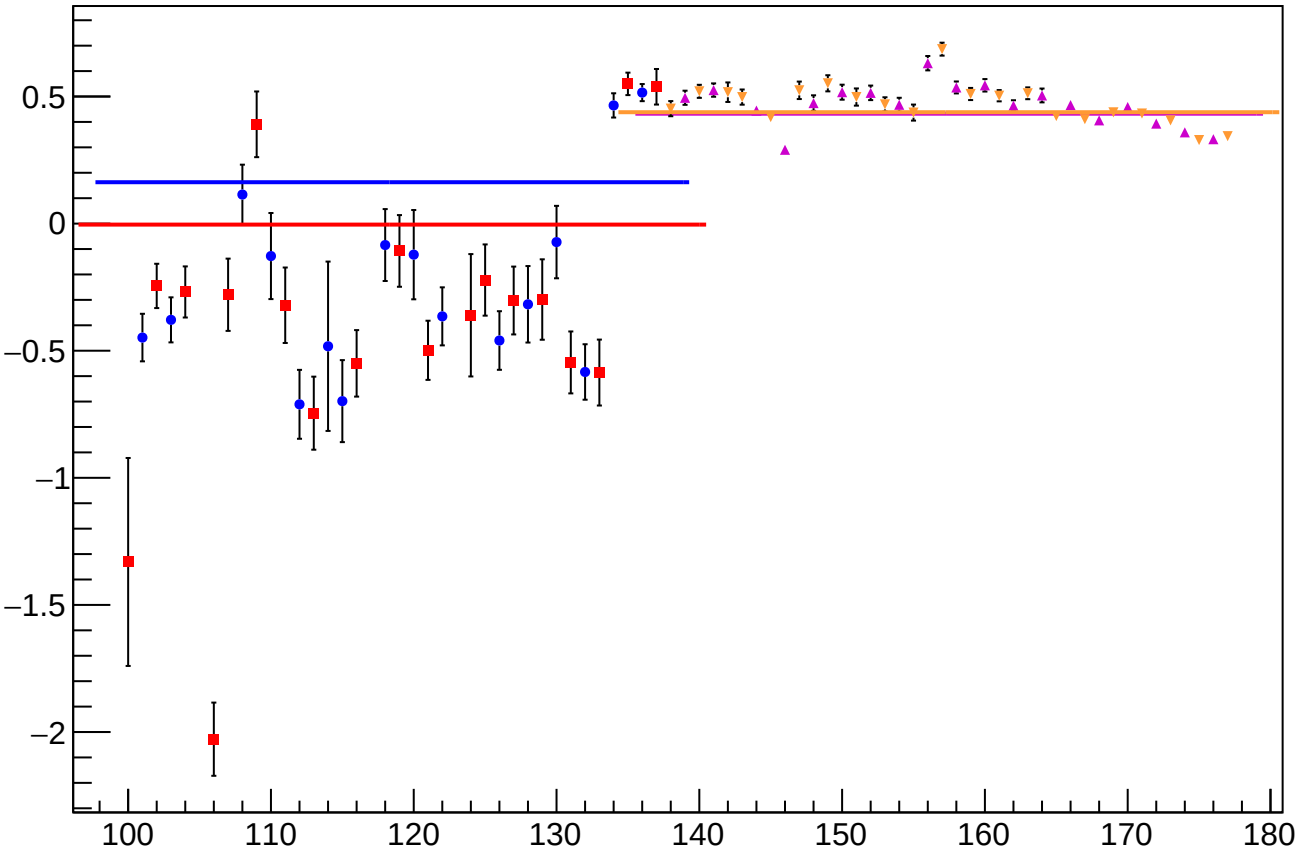
Left: -14.794+/-0.073 χ^2/NDF: 4159.5/39

Right: -27.902+/-0.291 χ^2/NDF: 1941.2/34

In: -15.136+/-0.101 χ^2/NDF:3836.6/34

Out: -15.968+/-0.099 χ^2/NDF:4133.7/39

All: -15.561+/-0.070 χ^2/NDF: 8005.1/74



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.438+/-0.005 χ^2/NDF:268.0/20

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

Left In: 0.432+/-0.005 χ^2/NDF:283.2/18

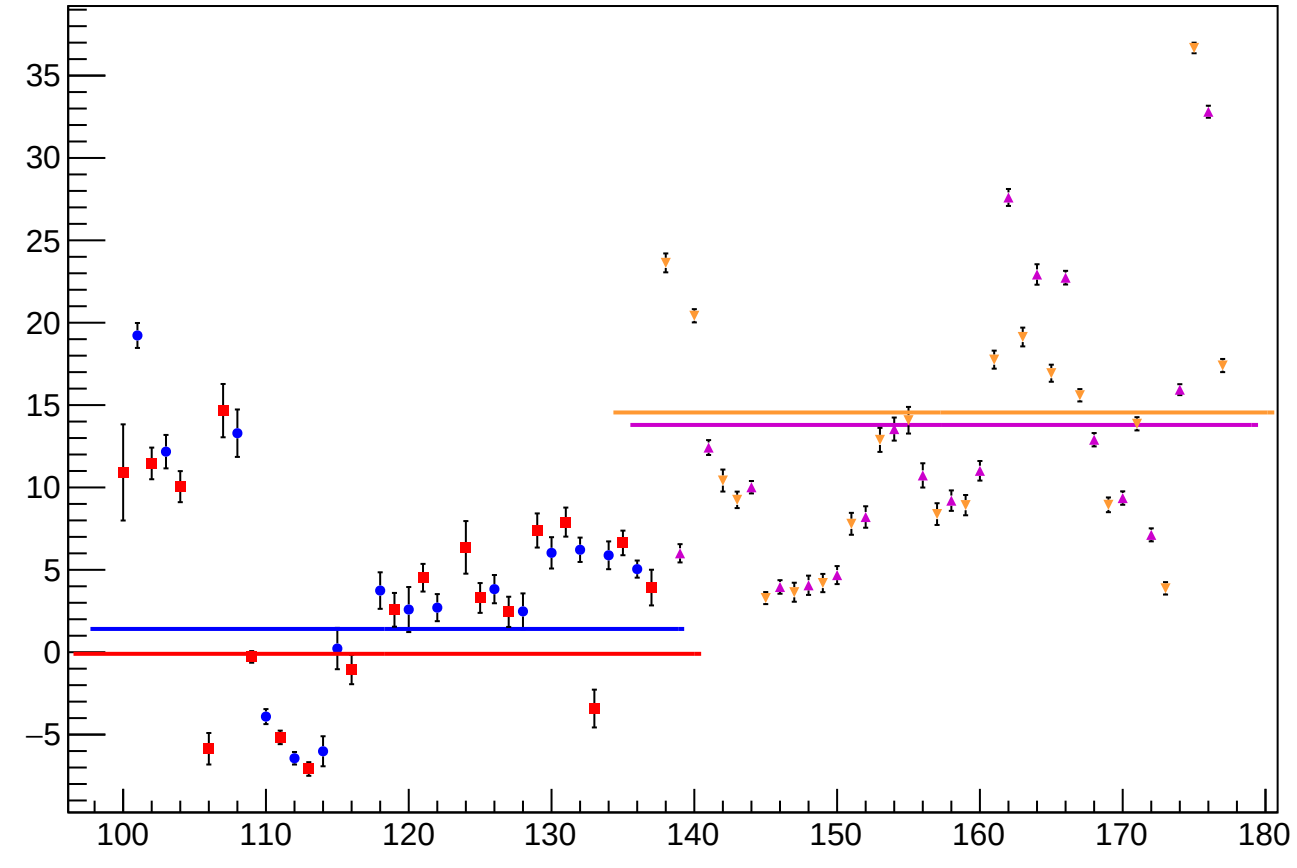
Left: 0.435+/-0.003 χ^2/NDF: 552.0/39

Right: 0.090+/-0.016 χ^2/NDF: 1022.3/34

In: 0.420+/-0.005 χ^2/NDF:857.4/34

Out: 0.423+/-0.004 χ^2/NDF:1158.4/39

All: 0.422+/-0.003 χ^2/NDF: 2016.1/74



Right In: 1.412+/-0.183 χ^2/NDF: 1522.1/15

Left Out: 14.552+/-0.105 χ^2/NDF:8424.4/20

Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

Left In: 13.795+/-0.108 χ^2/NDF:6157.0/18

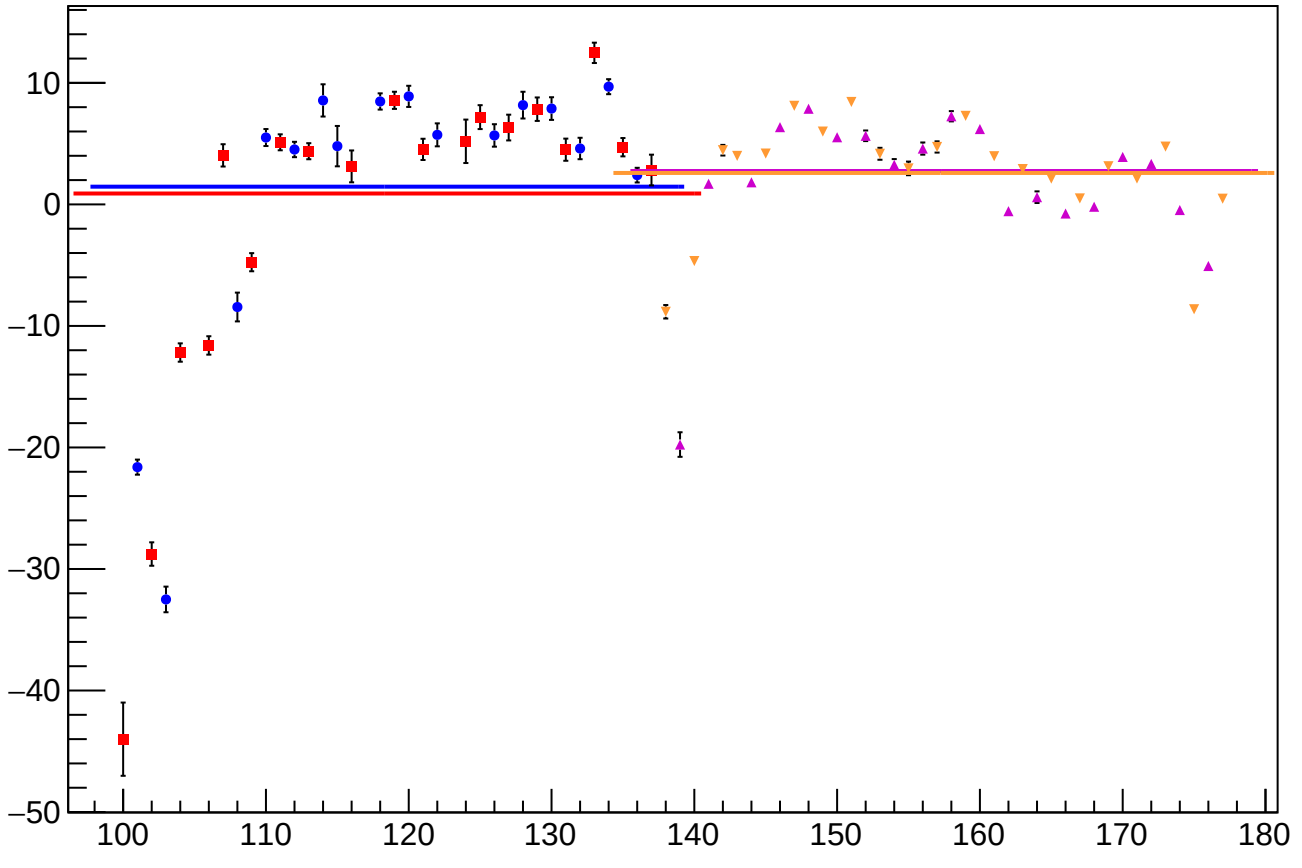
Left: 14.184+/-0.075 χ^2/NDF: 14606.8/39

Right: 0.589+/-0.124 χ^2/NDF: 2706.4/34

In: 10.612+/-0.093 χ^2/NDF:11077.3/34

Out: 10.432+/-0.089 χ^2/NDF:15076.8/39

All: 10.518+/-0.064 χ^2/NDF: 26156.1/74



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: 2.588+/-0.077 χ^2/NDF:3447.6/20

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

Left In: 2.746+/-0.079 χ^2/NDF:2380.3/18

Left: 2.665+/-0.055 χ^2/NDF: 5830.0/39

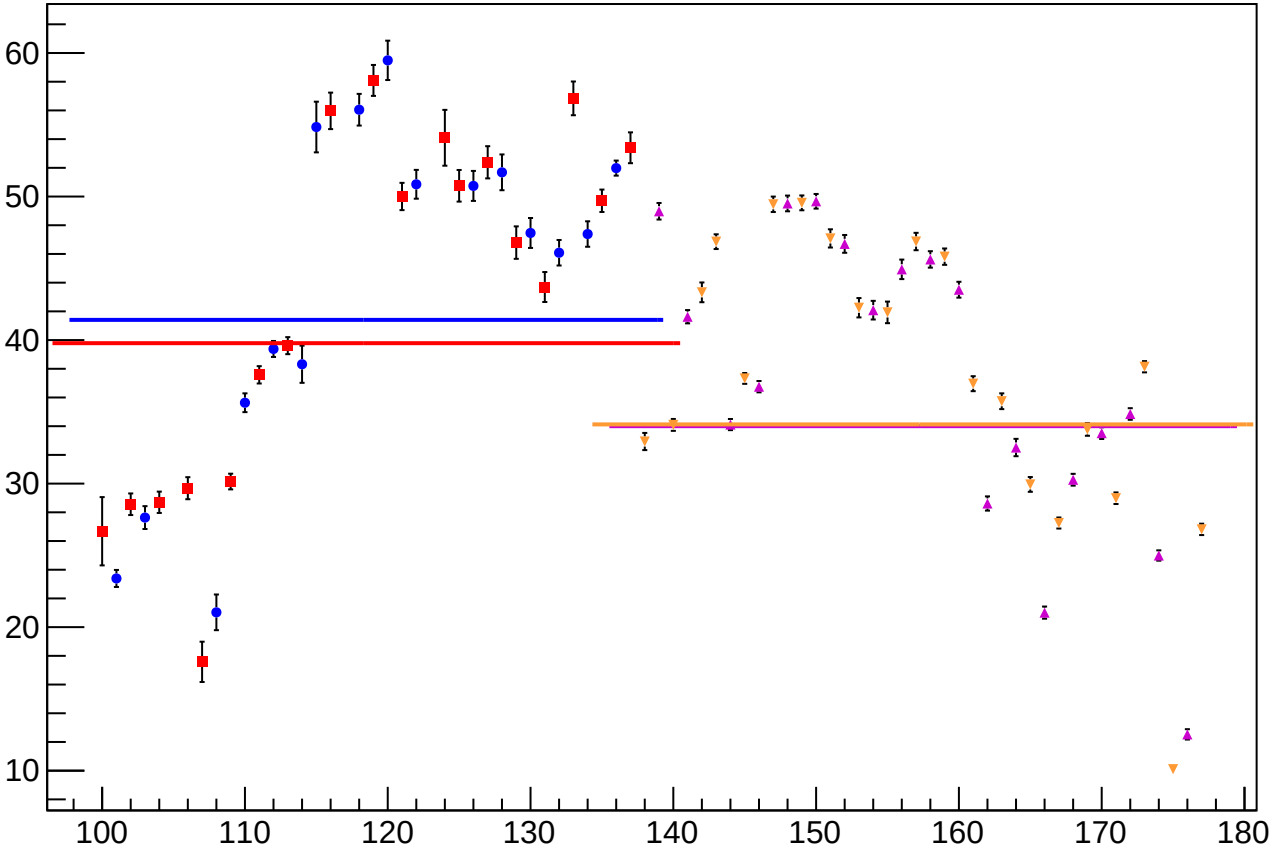
Right: 1.176+/-0.143 χ^2/NDF: 5461.2/34

In: 2.576+/-0.074 χ^2/NDF:5495.4/34

Out: 2.374+/-0.072 χ^2/NDF:5886.0/39

All: 2.473+/-0.051 χ^2/NDF: 11385.2/74

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 41.407+/-0.211 χ^2/NDF: 2746.0/15

Left Out: 34.125+/-0.104 χ^2/NDF:10710.5/20

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

Left In: 34.001+/-0.107 χ^2/NDF:9599.5/18

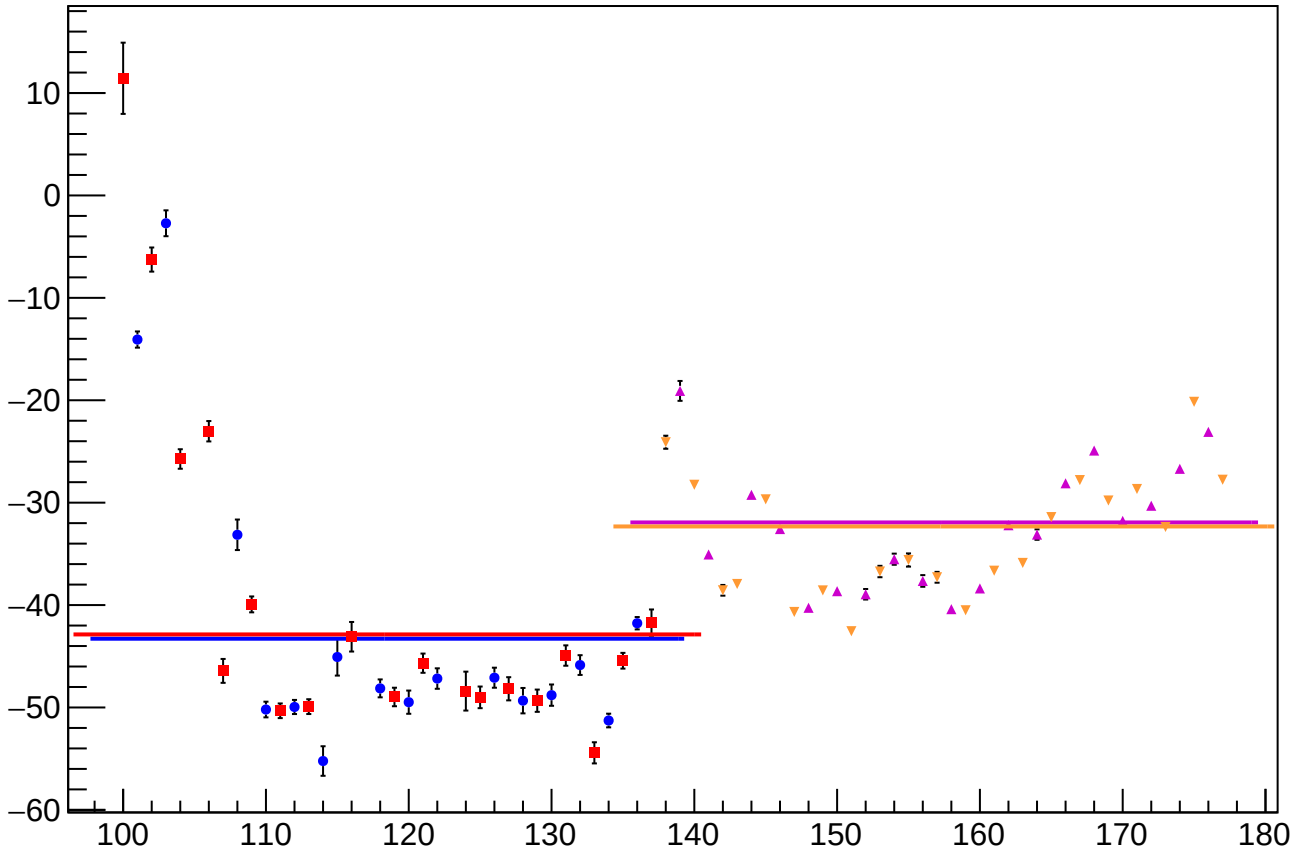
Left: 34.065+/-0.075 χ^2/NDF: 20310.7/39

Right: 40.565+/-0.146 χ^2/NDF: 5430.6/34

In: 35.523+/-0.095 χ^2/NDF:13327.6/34

Out: 35.305+/-0.093 χ^2/NDF:13980.2/39

All: 35.411+/-0.066 χ^2/NDF: 27310.6/74



Right In: -43.285+/-0.229 χ^2/NDF: 2985.2/15

Left Out: -32.324+/-0.087 χ^2/NDF:4610.0/20

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

Left In: -31.933+/-0.090 χ^2/NDF:3376.6/18

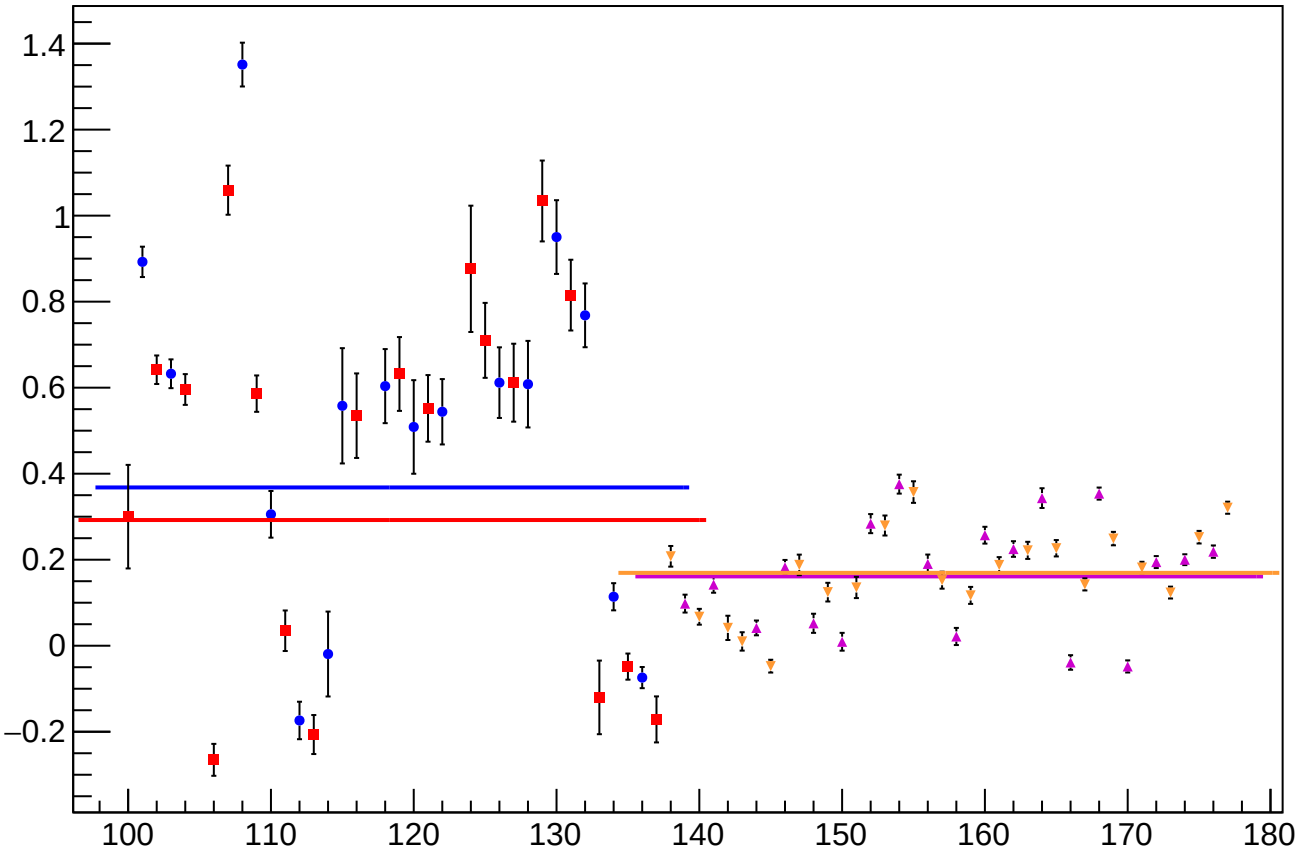
Left: -32.135+/-0.063 χ^2/NDF: 7996.3/39

Right: -43.076+/-0.162 χ^2/NDF: 5441.1/34

In: -33.449+/-0.084 χ^2/NDF:8485.0/34

Out: -33.658+/-0.081 χ^2/NDF:8915.3/39

All: -33.557+/-0.058 χ^2/NDF: 17403.4/74



Right In: 0.368+/-0.012 χ^2/NDF: 1320.9/15

Left Out: 0.169+/-0.004 χ^2/NDF:620.8/20

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

Left In: 0.161+/-0.004 χ^2/NDF:991.9/18

Left: 0.165+/-0.003 χ^2/NDF: 1614.8/39

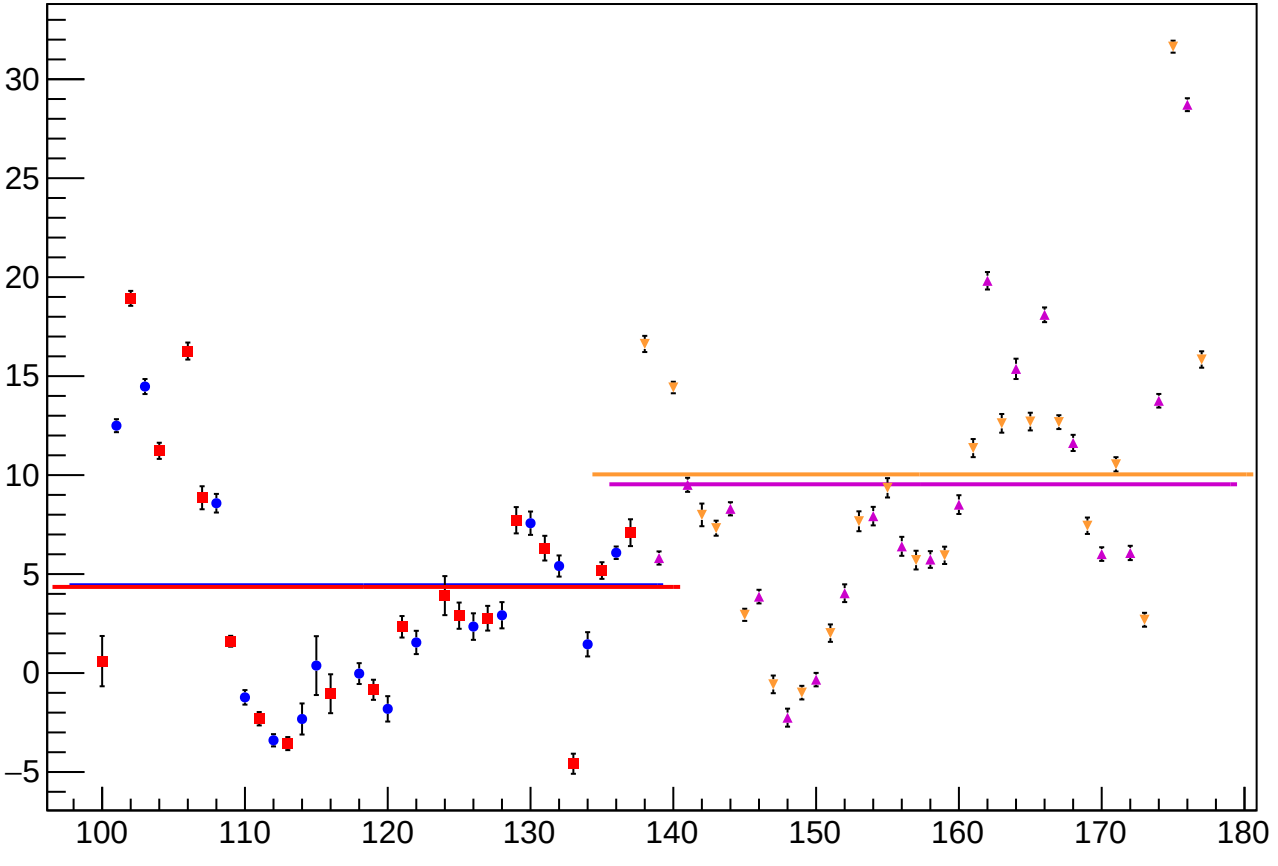
Right: 0.330+/-0.009 χ^2/NDF: 2539.6/34

In: 0.181+/-0.004 χ^2/NDF:2572.2/34

Out: 0.181+/-0.004 χ^2/NDF:1913.2/39

All: 0.181+/-0.003 χ^2/NDF: 4485.4/74

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 4.435+/-0.117 χ^2/NDF: 2622.0/15

Left Out: 10.037+/-0.086 χ^2/NDF:9066.4/20

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

Left In: 9.536+/-0.088 χ^2/NDF:7248.9/18

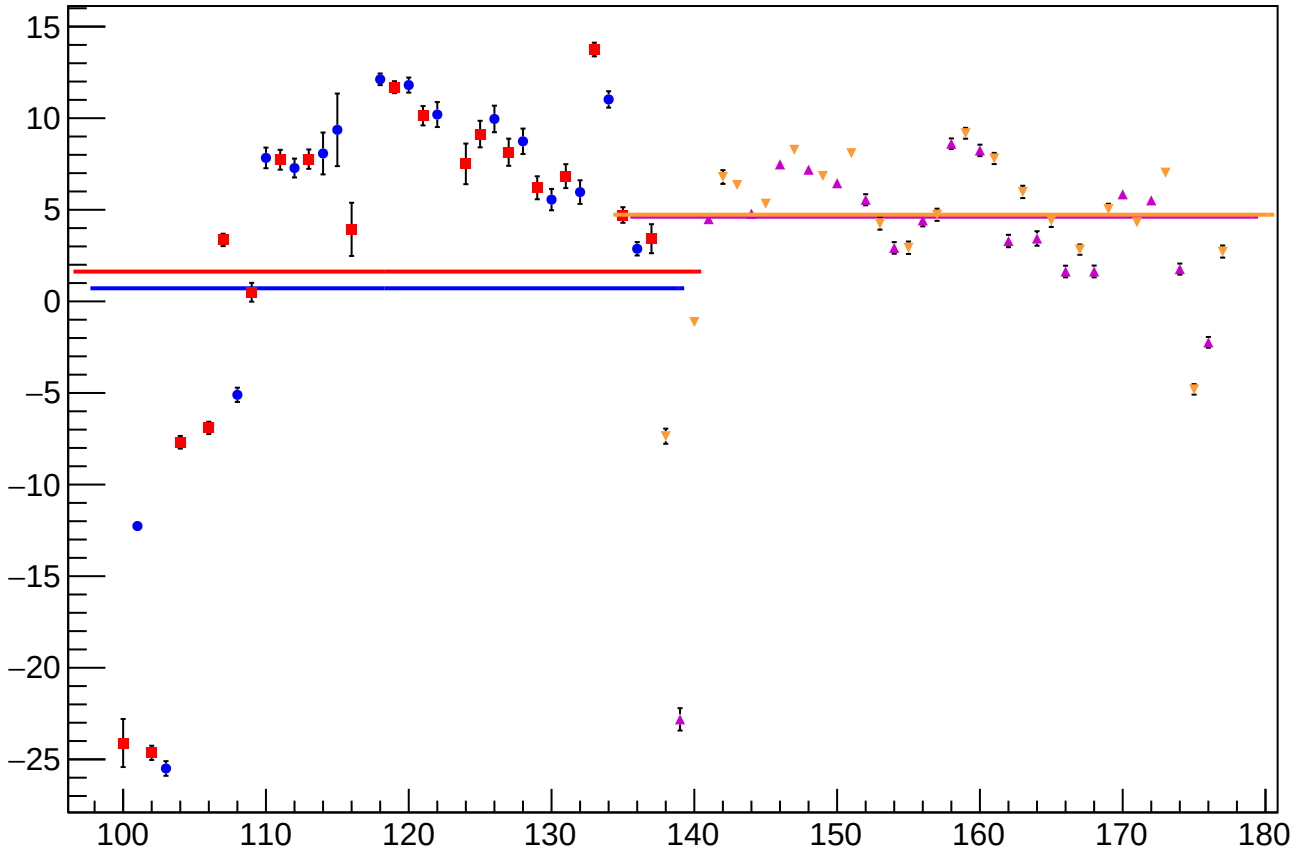
Left: 9.793+/-0.062 χ^2/NDF: 16331.8/39

Right: 4.390+/-0.080 χ^2/NDF: 6827.6/34

In: 7.680+/-0.071 χ^2/NDF:11080.8/34

Out: 7.860+/-0.068 χ^2/NDF:14947.9/39

All: 7.774+/-0.049 χ^2/NDF: 26032.1/74



Right In: 0.715+/-0.116 χ^2/NDF: 10454.0/15

Left Out: 4.733+/-0.062 χ^2/NDF:3698.7/20

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

Left In: 4.623+/-0.065 χ^2/NDF:3627.1/18

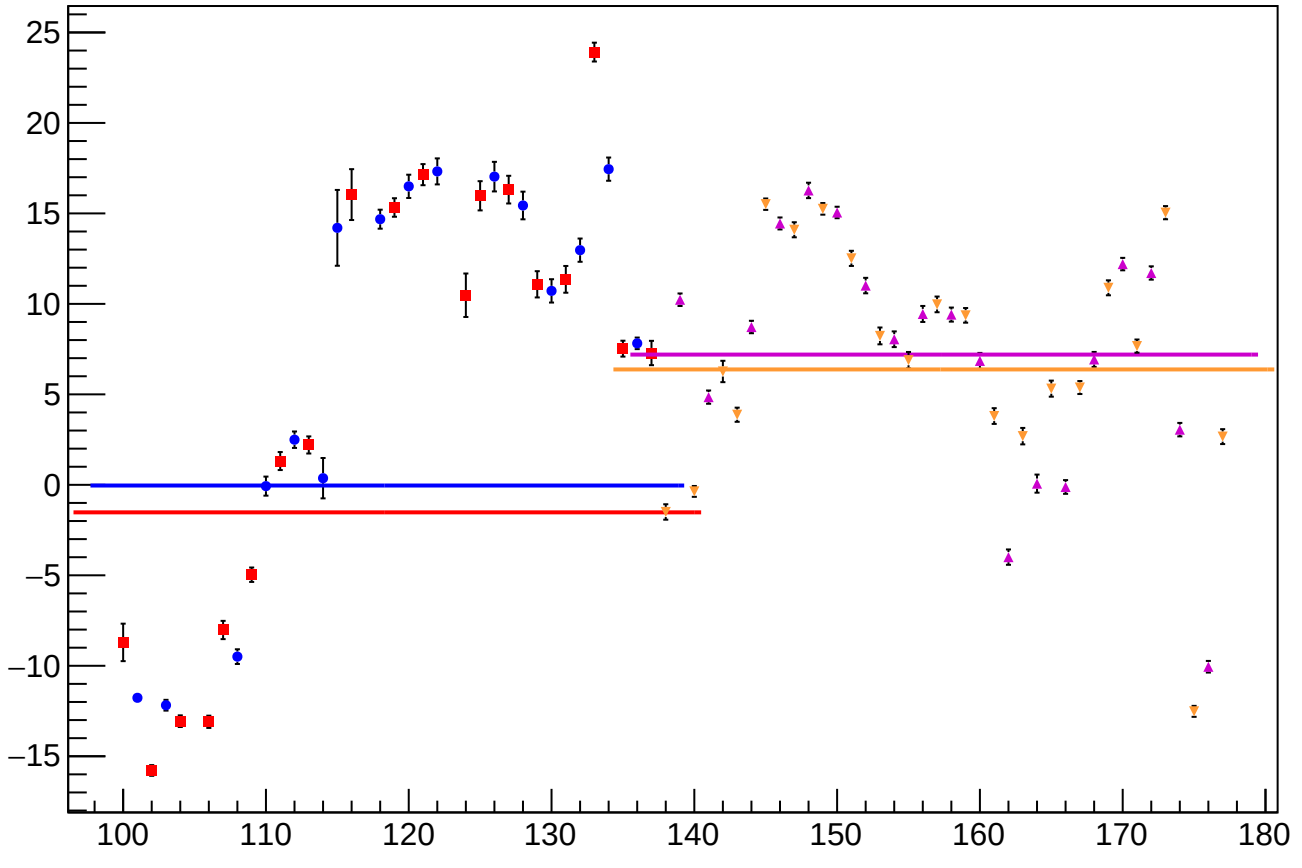
Left: 4.680+/-0.045 χ^2/NDF: 7327.3/39

Right: 1.190+/-0.080 χ^2/NDF: 19741.8/34

In: 3.685+/-0.057 χ^2/NDF:14944.8/34

Out: 3.988+/-0.054 χ^2/NDF:13549.1/39

All: 3.843+/-0.039 χ^2/NDF: 28508.8/74



Right In: -0.038+/-0.119 χ^2/NDF: 9274.3/15

Left Out: 6.377+/-0.085 χ^2/NDF:7963.7/20

Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

Left In: 7.198+/-0.087 χ^2/NDF:6450.8/18

Left: 6.776+/-0.061 χ^2/NDF: 14459.9/39

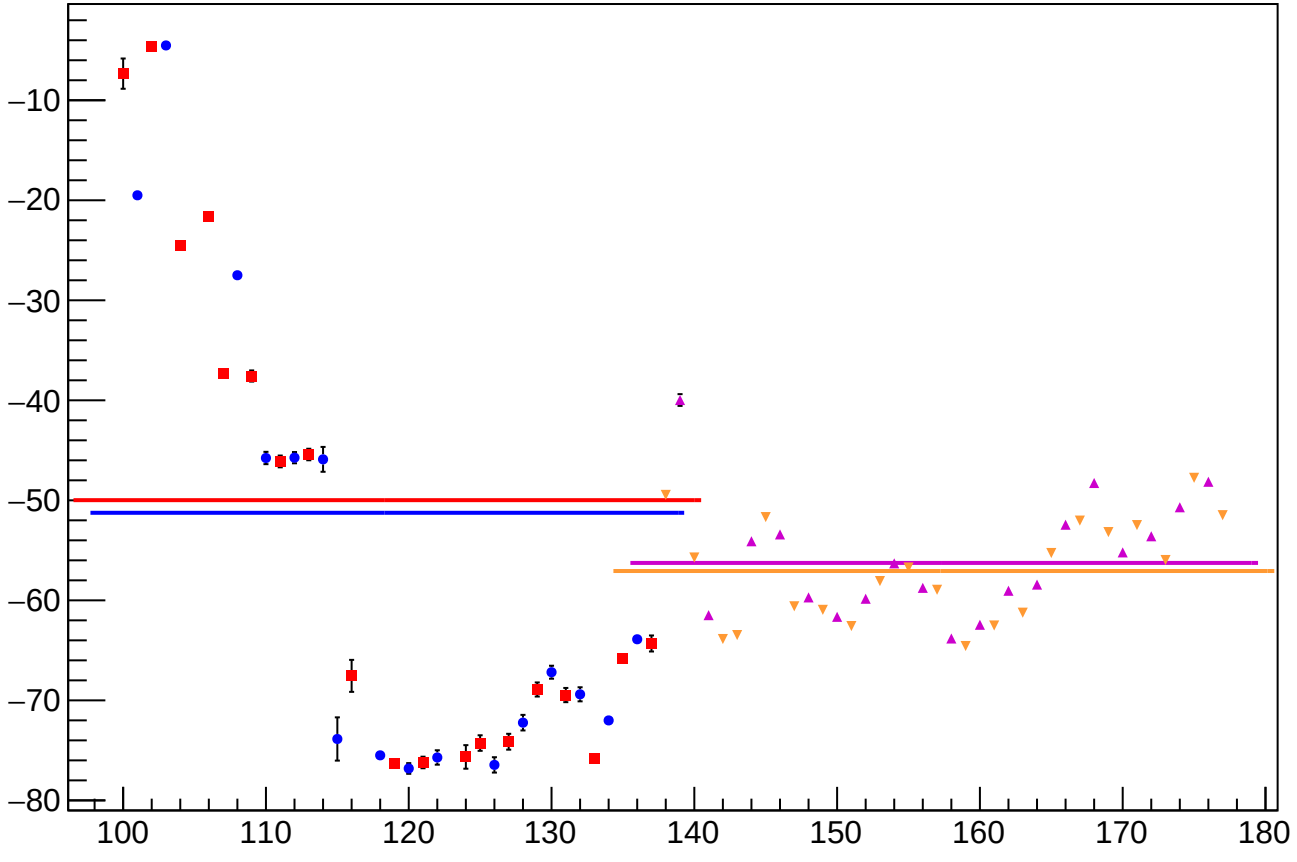
Right: -0.807+/-0.083 χ^2/NDF: 21484.6/34

In: 4.679+/-0.070 χ^2/NDF:18120.8/34

Out: 3.594+/-0.068 χ^2/NDF:23144.2/39

All: 4.120+/-0.049 χ^2/NDF: 41387.2/74

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: -57.068+/-0.071 χ^2/NDF:4847.9/20

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

Left In: -56.258+/-0.074 χ^2/NDF:4610.1/18

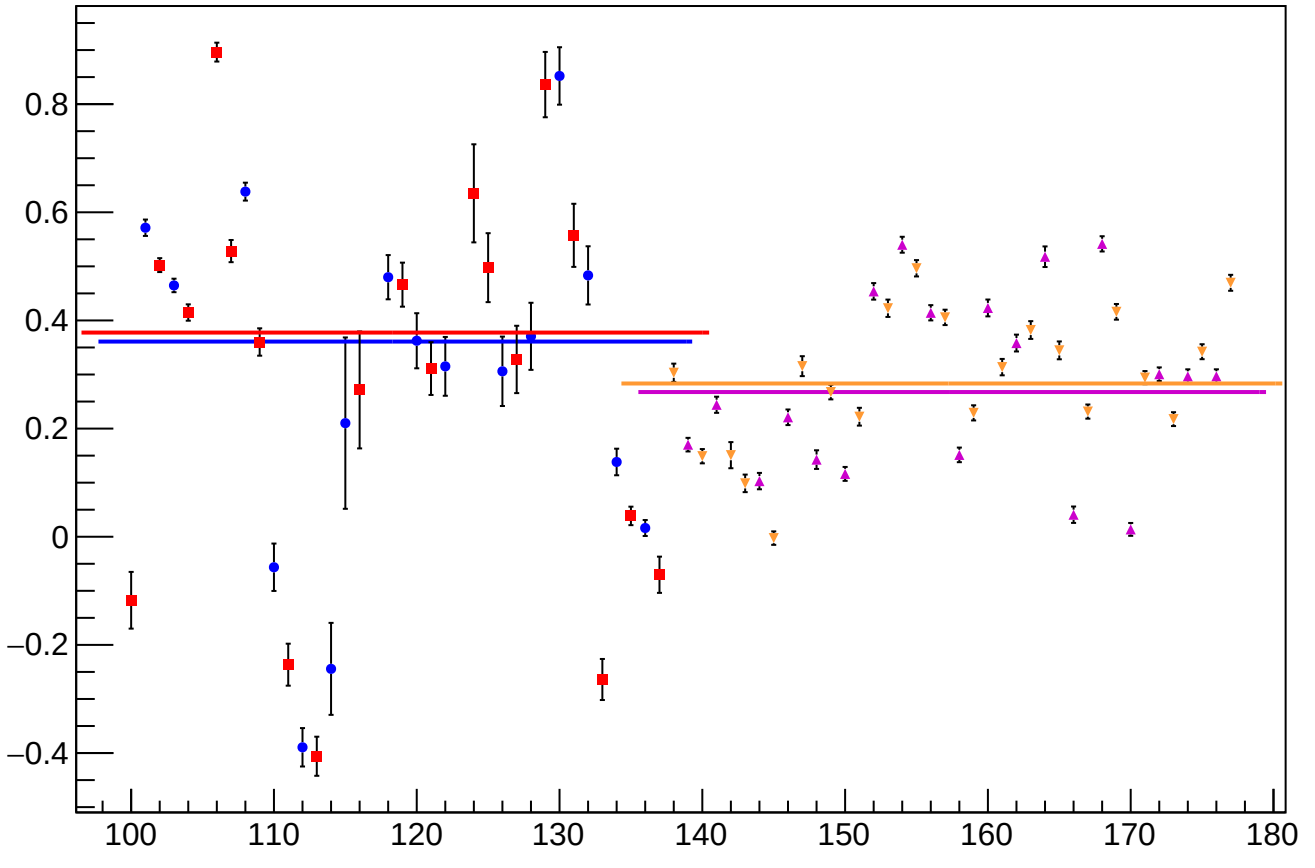
Left: -56.679+/-0.051 χ^2/NDF: 9519.9/39

Right: -50.590+/-0.094 χ^2/NDF: 67702.6/34

In: -55.108+/-0.065 χ^2/NDF:39425.5/34

Out: -55.444+/-0.063 χ^2/NDF:41005.7/39

All: -55.282+/-0.045 χ^2/NDF: 80445.0/74



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.283+/-0.003 χ^2/NDF:1530.4/20

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

Left In: 0.268+/-0.003 χ^2/NDF:2435.5/18

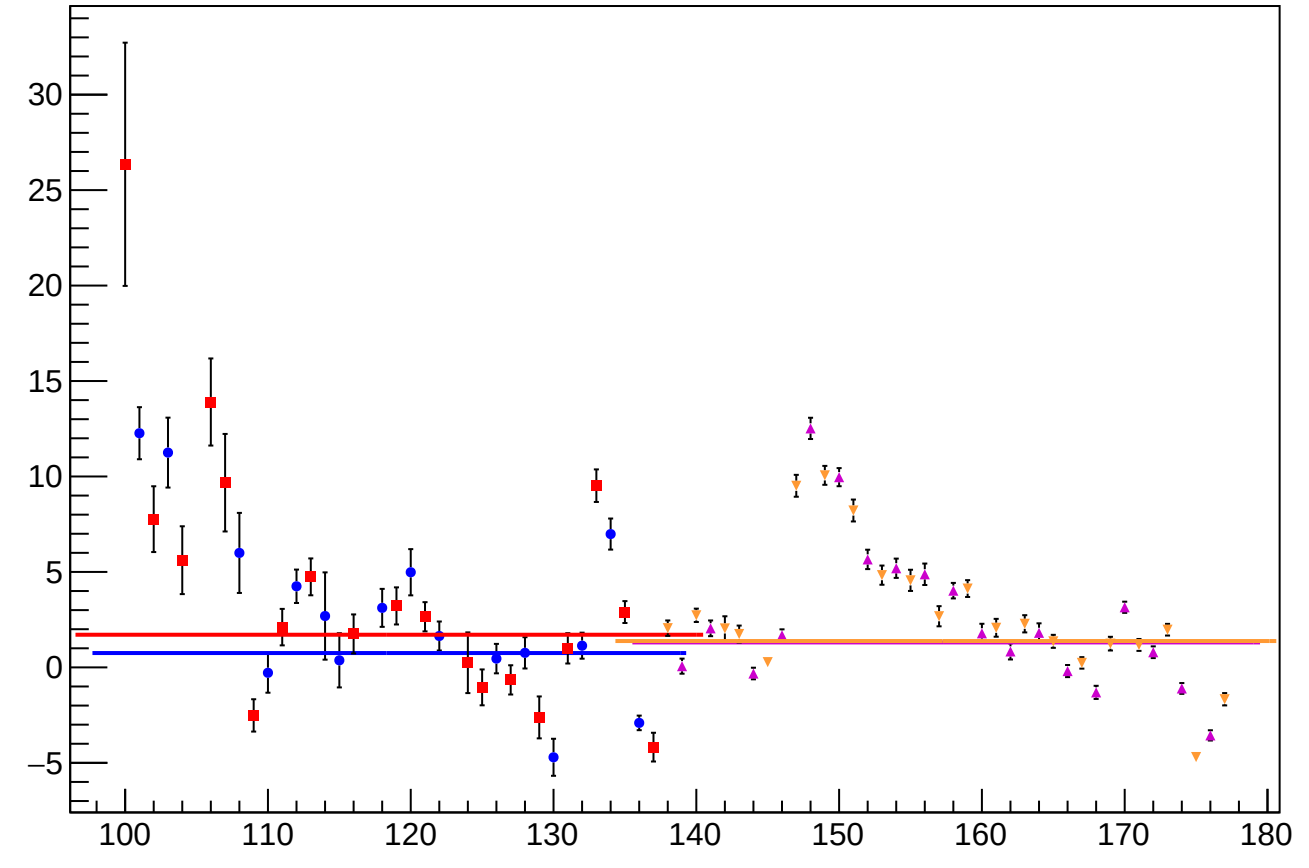
Left: 0.276+/-0.002 χ^2/NDF: 3977.8/39

Right: 0.370+/-0.004 χ^2/NDF: 4654.1/34

In: 0.287+/-0.003 χ^2/NDF:4465.9/34

Out: 0.304+/-0.003 χ^2/NDF:4506.8/39

All: 0.296+/-0.002 χ^2/NDF: 8989.9/74



Right In: 0.752+/-0.212 χ^2/NDF: 330.1/15

Left Out: 1.380+/-0.083 χ^2/NDF:1503.8/20

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

Left In: 1.307+/-0.085 χ^2/NDF:1525.4/18

Left: 1.345+/-0.059 χ^2/NDF: 3029.6/39

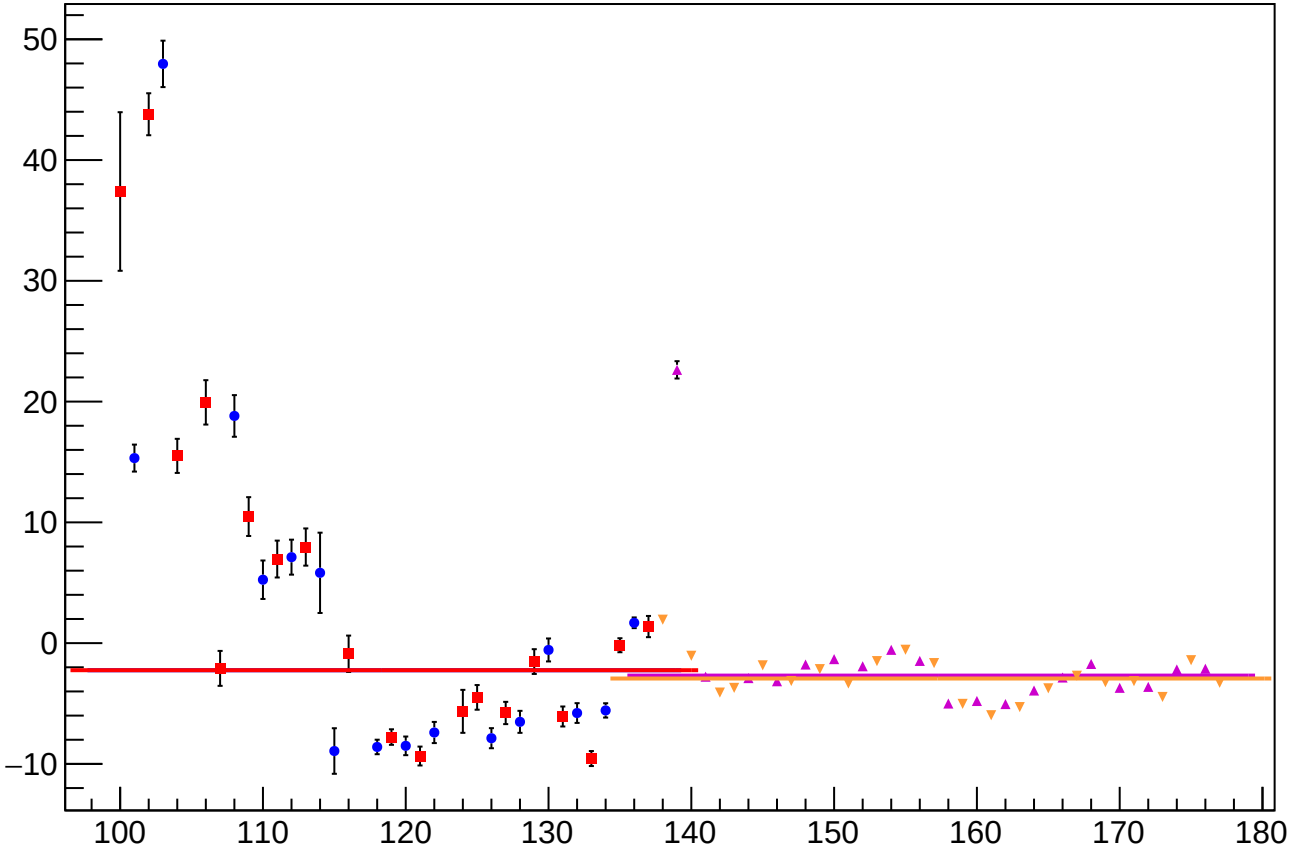
Right: 1.208+/-0.154 χ^2/NDF: 633.6/34

In: 1.230+/-0.079 χ^2/NDF:1861.4/34

Out: 1.420+/-0.078 χ^2/NDF:1799.6/39

All: 1.327+/-0.055 χ^2/NDF: 3663.9/74

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.245+/-0.215 χ^2/NDF: 1572.5/15

Left Out: -2.930+/-0.062 χ^2/NDF:606.8/20

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

Left In: -2.688+/-0.063 χ^2/NDF:1572.3/18

Left: -2.812+/-0.044 χ^2/NDF: 2186.5/39

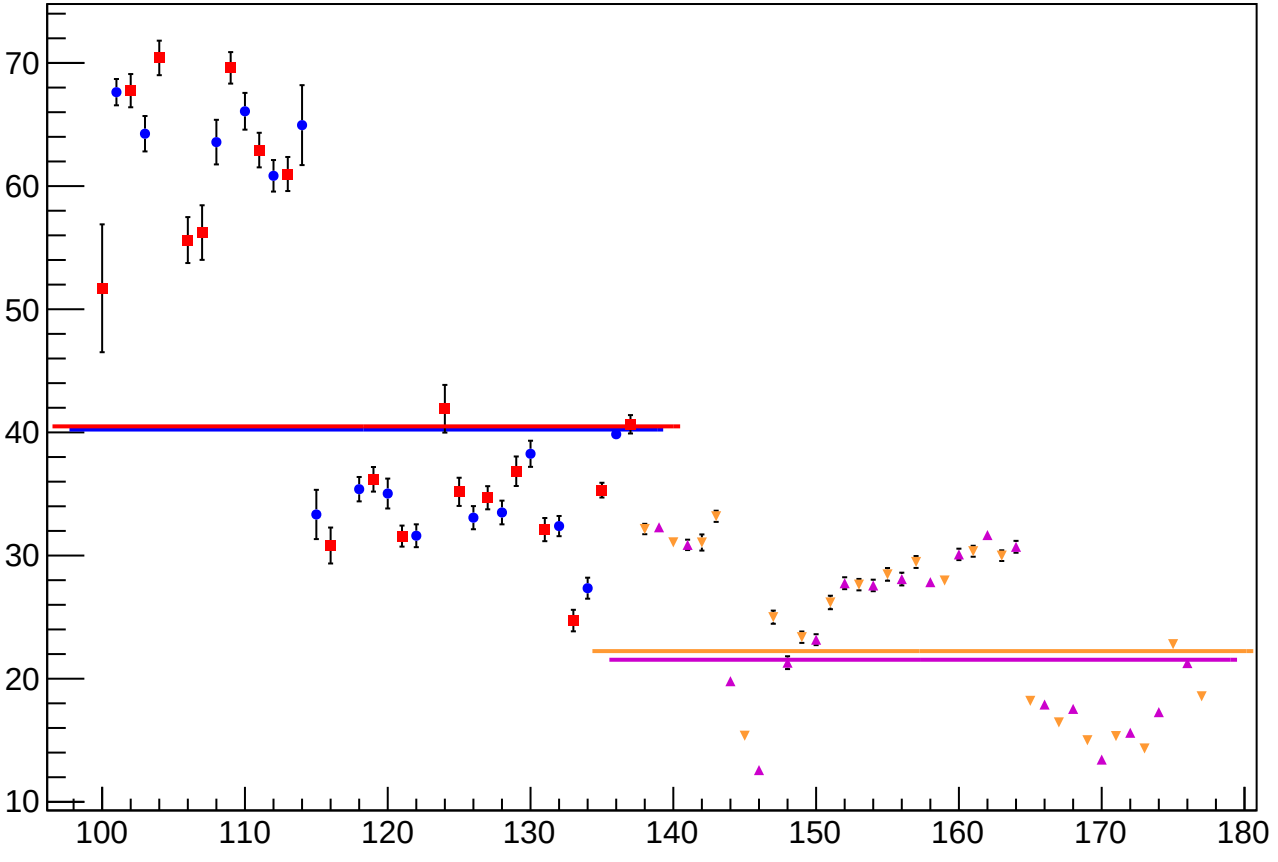
Right: -2.244+/-0.157 χ^2/NDF: 3128.1/34

In: -2.653+/-0.061 χ^2/NDF:3148.7/34

Out: -2.883+/-0.060 χ^2/NDF:2170.9/39

All: -2.770+/-0.043 χ^2/NDF: 5326.8/74

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: 22.241+/-0.082 χ^2/NDF:6130.4/20

Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 21.539+/-0.084 χ^2/NDF:5775.0/18

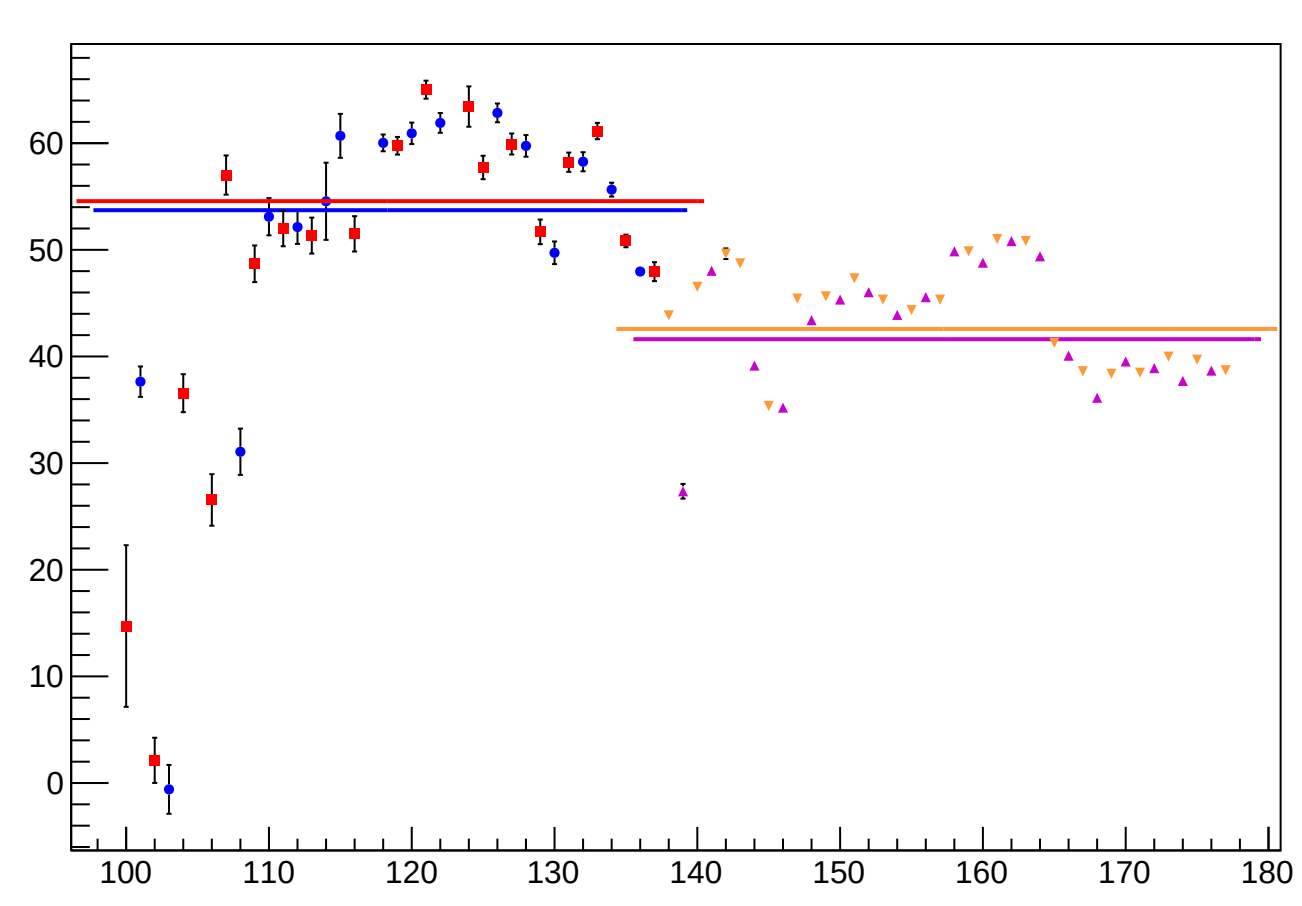
Left: 21.898+/-0.059 χ^2/NDF: 11940.8/39

Right: 40.351+/-0.170 χ^2/NDF: 4989.7/34

In: 23.730+/-0.079 χ^2/NDF:13825.2/34

Out: 24.027+/-0.078 χ^2/NDF:13618.8/39

All: 23.880+/-0.056 χ^2/NDF: 27451.1/74



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 42.584+/-0.069 χ^2/NDF:4790.1/20

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

Left In: 41.621+/-0.071 χ^2/NDF:5139.5/18

Left: 42.115+/-0.050 χ^2/NDF: 10023.0/39

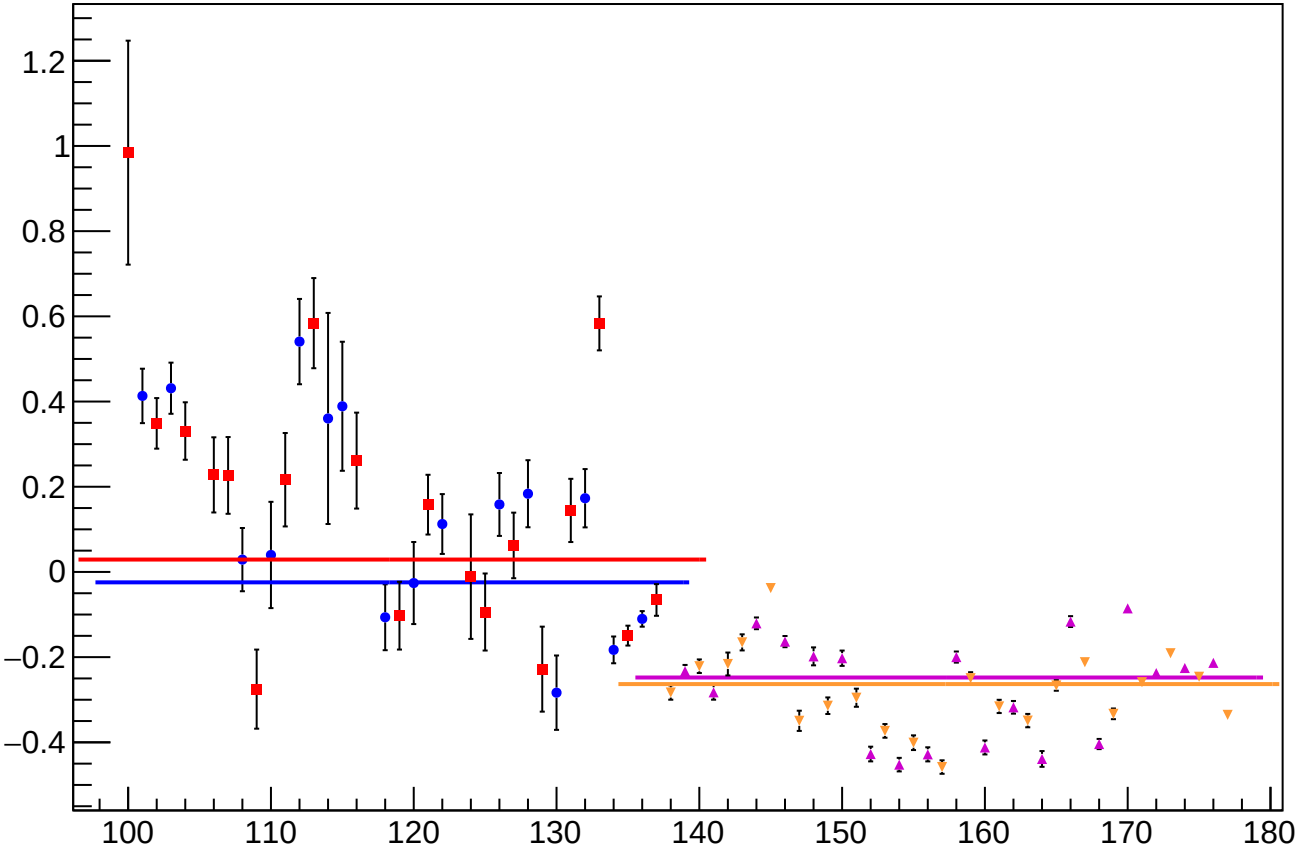
Right: 54.111+/-0.175 χ^2/NDF: 2711.2/34

In: 42.612+/-0.068 χ^2/NDF:8853.0/34

Out: 43.405+/-0.067 χ^2/NDF:8171.0/39

All: 43.016+/-0.048 χ^2/NDF: 17092.5/74

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.024+/-0.013 χ^2/NDF: 229.7/15

Left Out: -0.263+/-0.003 χ^2/NDF:936.6/20

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

Left In: -0.248+/-0.003 χ^2/NDF:1328.4/18

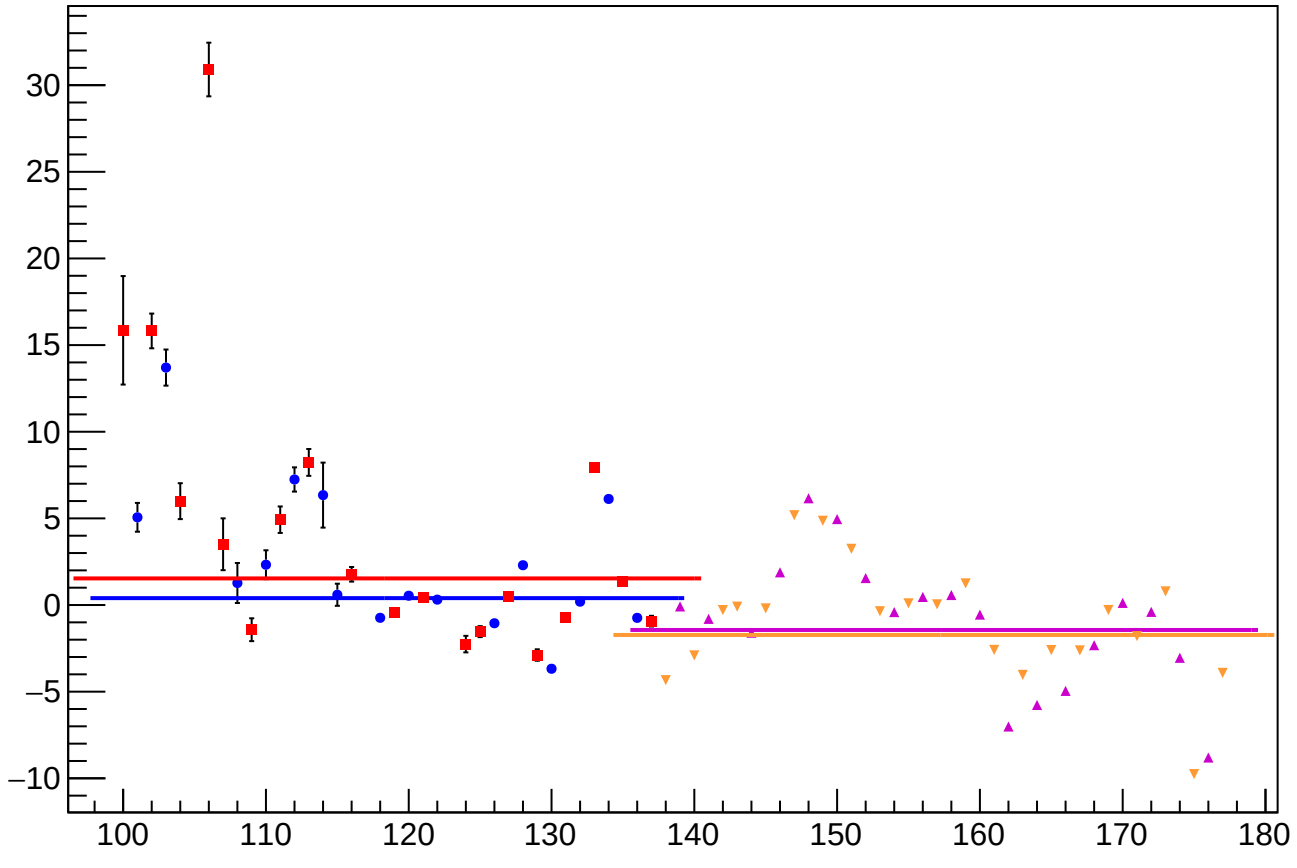
Left: -0.256+/-0.002 χ^2/NDF: 2277.3/39

Right: -0.001+/-0.010 χ^2/NDF: 513.9/34

In: -0.235+/-0.003 χ^2/NDF:1845.3/34

Out: -0.250+/-0.003 χ^2/NDF:1614.9/39

All: -0.243+/-0.002 χ^2/NDF: 3472.2/74



Right In: 0.398+/-0.077 χ^2/NDF: 1097.4/15

Left Out: -1.728+/-0.032 χ^2/NDF:12852.5/20

Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: -1.440+/-0.032 χ^2/NDF:12035.4/18

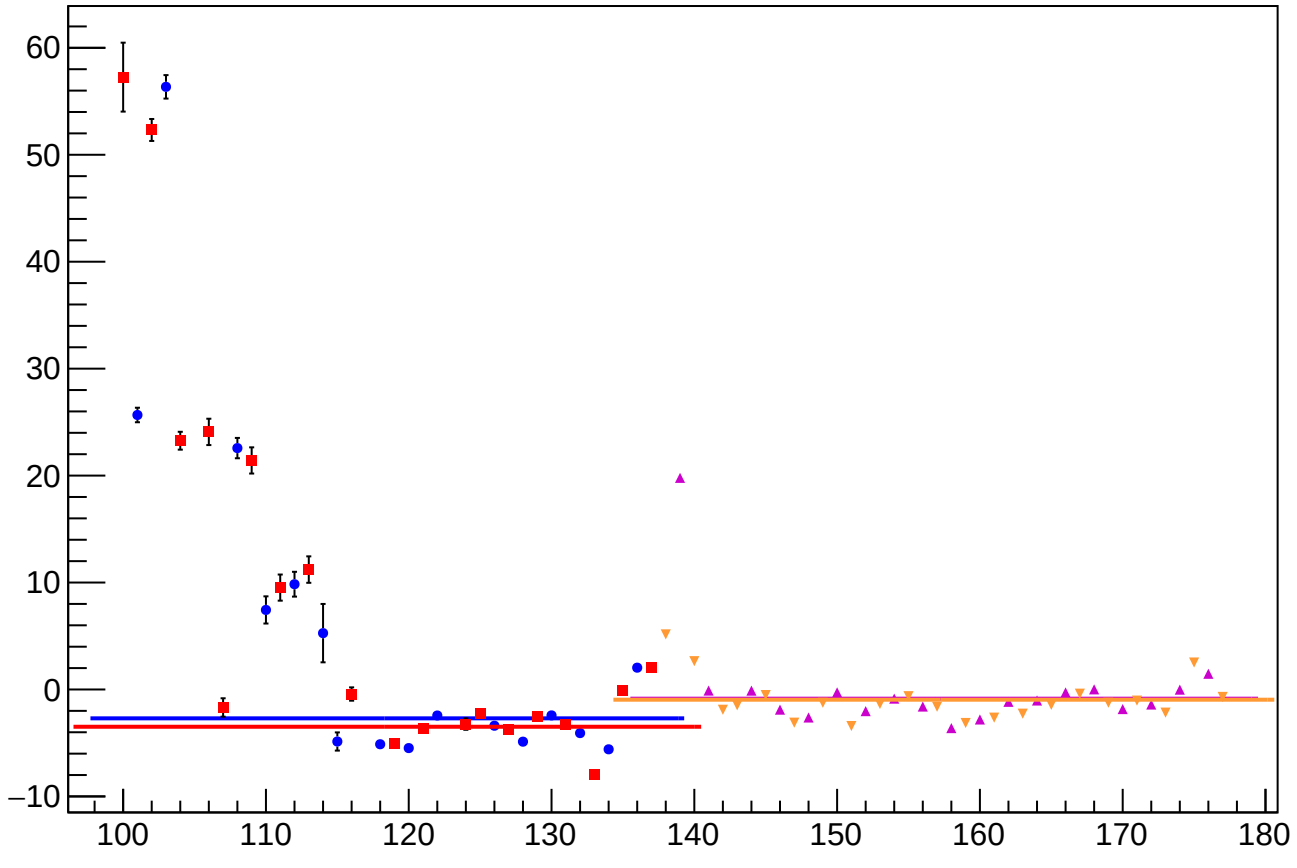
Left: -1.586+/-0.023 χ^2/NDF: 24928.1/39

Right: 0.959+/-0.055 χ^2/NDF: 3615.8/34

In: -1.163+/-0.030 χ^2/NDF:13615.8/34

Out: -1.263+/-0.029 χ^2/NDF:16758.2/39

All: -1.214+/-0.021 χ^2/NDF: 30379.7/74



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: -0.956+/-0.024 χ^2/NDF:5928.3/20

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

Left In: -0.860+/-0.024 χ^2/NDF:9038.0/18

Left: -0.909+/-0.017 χ^2/NDF: 14974.4/39

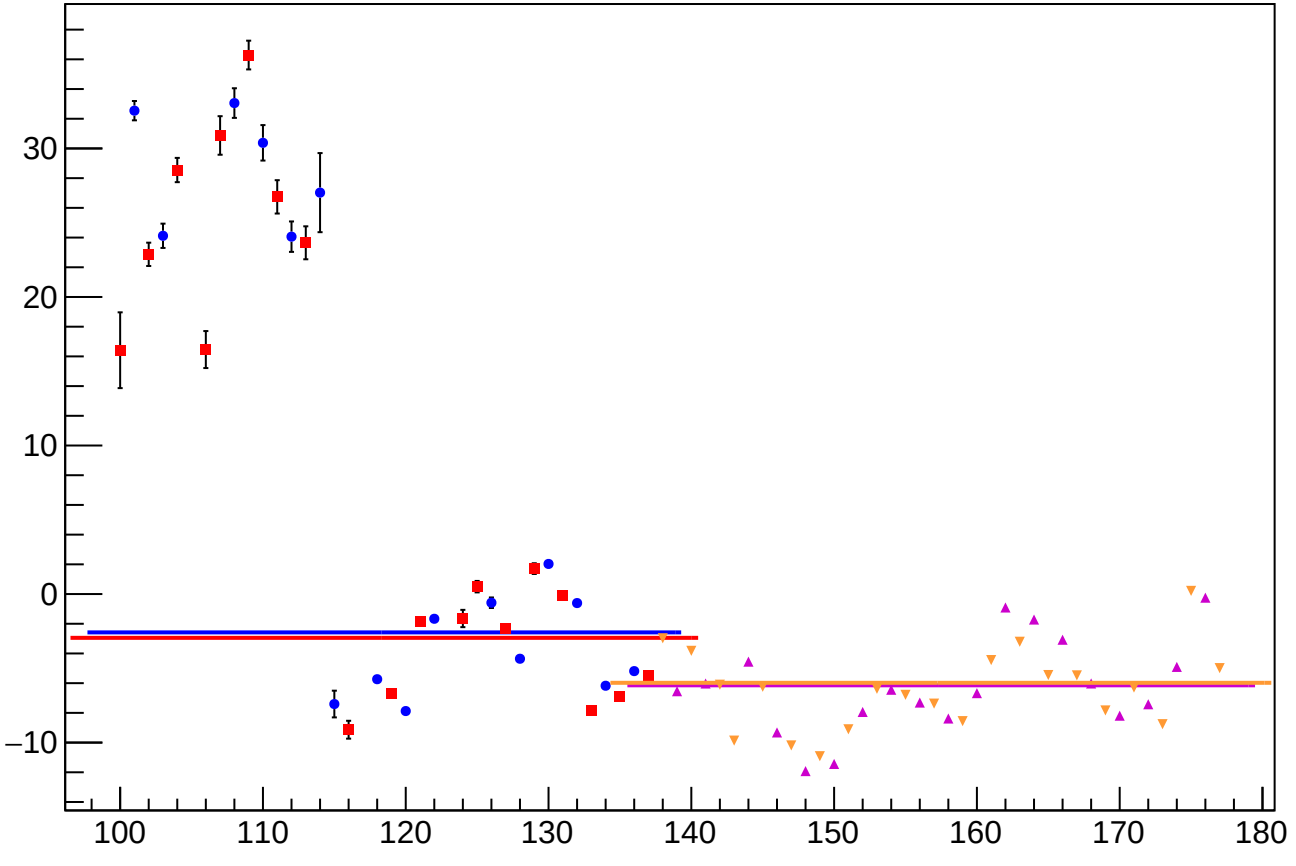
Right: -3.091+/-0.050 χ^2/NDF: 14325.4/34

In: -1.053+/-0.023 χ^2/NDF:16746.8/34

Out: -1.210+/-0.022 χ^2/NDF:14234.6/39

All: -1.133+/-0.016 χ^2/NDF: 31005.5/74

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.582+/-0.083 χ^2/NDF: 8159.7/15

Left Out: -5.976+/-0.032 χ^2/NDF:8606.9/20

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

Left In: -6.145+/-0.032 χ^2/NDF:9253.8/18

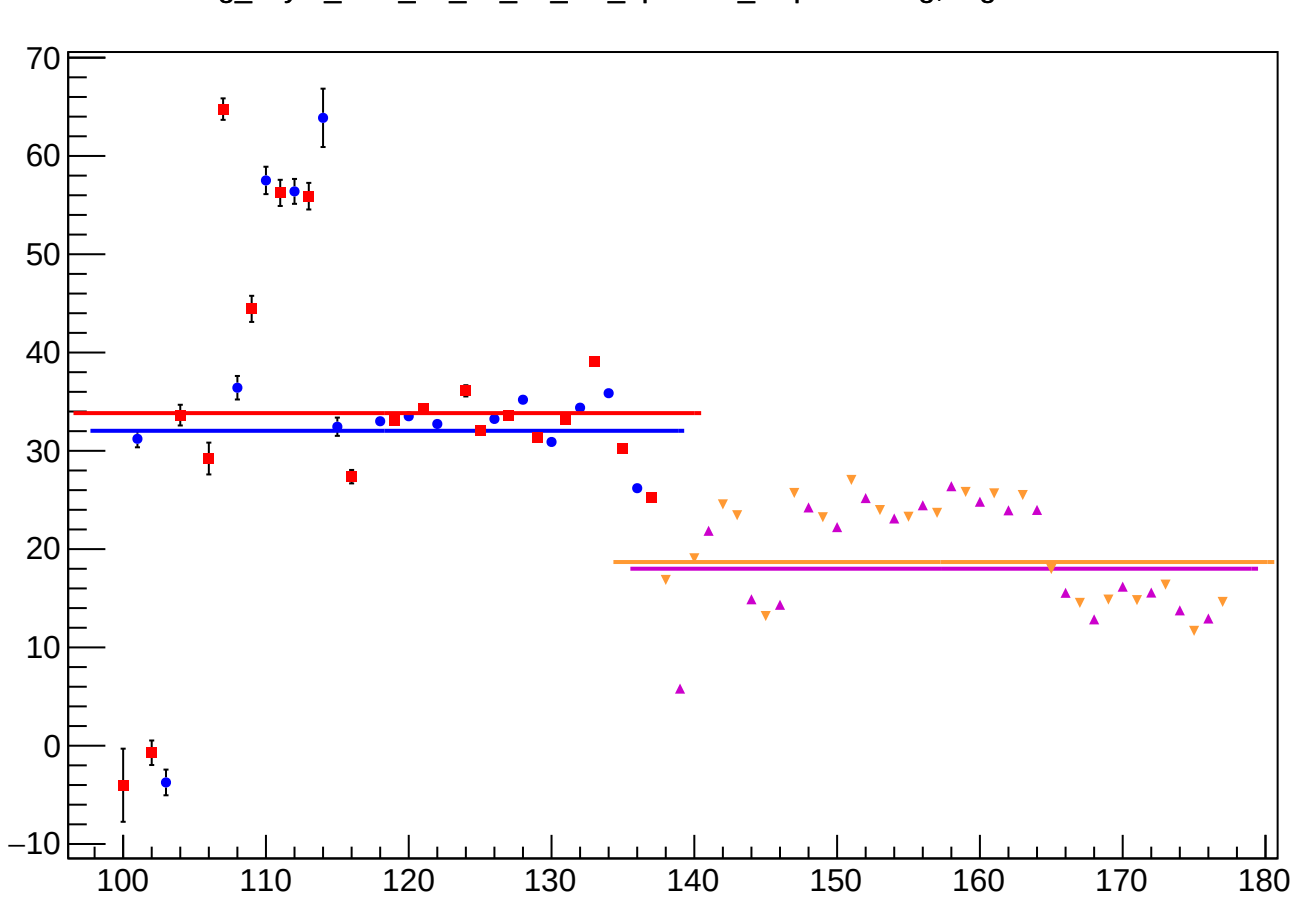
Left: -6.059+/-0.023 χ^2/NDF: 17874.7/39

Right: -2.761+/-0.059 χ^2/NDF: 16365.7/34

In: -5.678+/-0.030 χ^2/NDF:19011.6/34

Out: -5.606+/-0.030 χ^2/NDF:17918.6/39

All: -5.642+/-0.021 χ^2/NDF: 36933.1/74



Right In: 32.038+/-0.081 χ^2/NDF: 3255.9/15

Left Out: 18.687+/-0.027 χ^2/NDF:36043.6/20

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 18.006+/-0.027 χ^2/NDF:31241.3/18

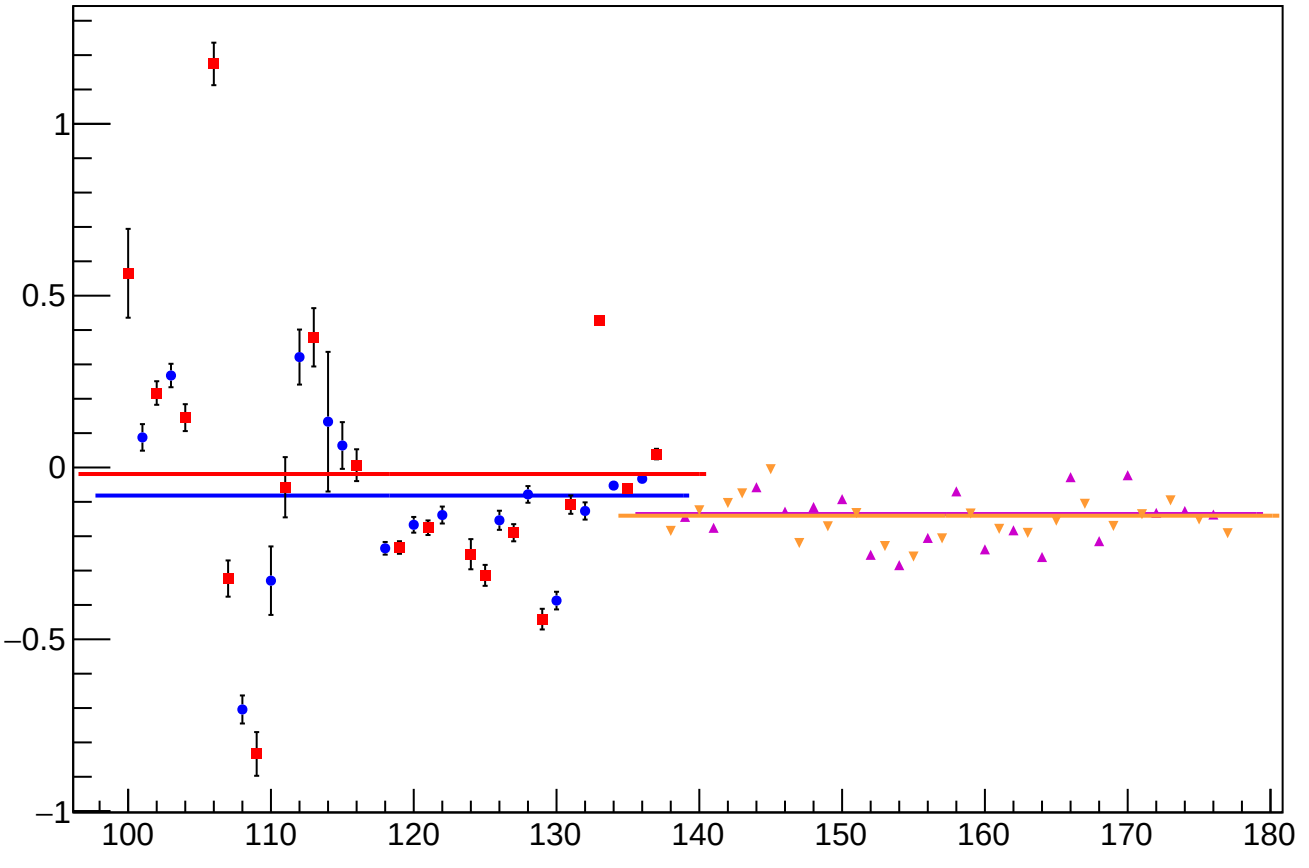
Left: 18.355+/-0.019 χ^2/NDF: 67600.6/39

Right: 32.934+/-0.058 χ^2/NDF: 7737.6/34

In: 19.442+/-0.026 χ^2/NDF:61245.9/34

Out: 20.160+/-0.025 χ^2/NDF:71386.9/39

All: 19.809+/-0.018 χ^2/NDF: 133021.8/74



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.140+/-0.001 χ^2/NDF:2492.8/20

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

Left In: -0.135+/-0.001 χ^2/NDF:3563.9/18

Left: -0.138+/-0.001 χ^2/NDF: 6064.7/39

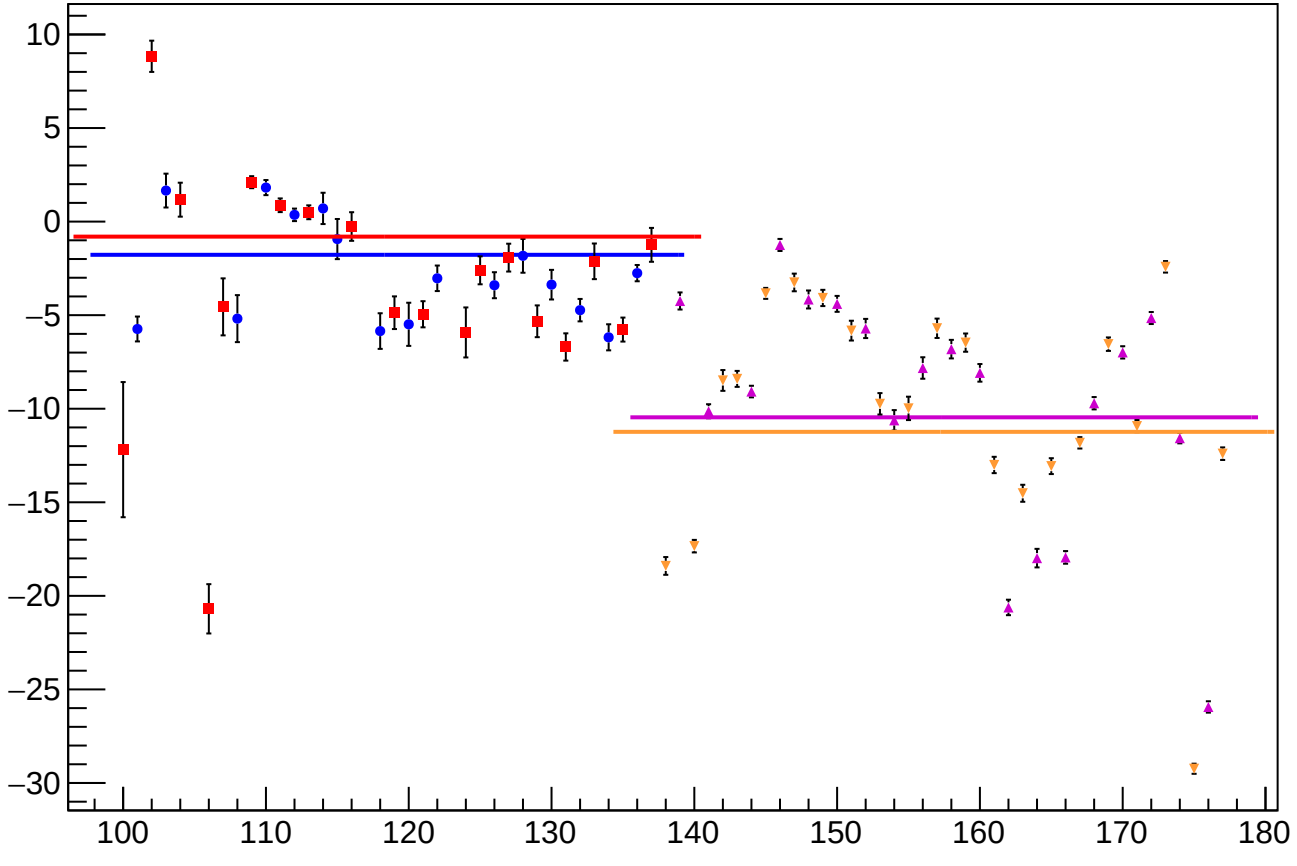
Right: -0.053+/-0.004 χ^2/NDF: 3041.0/34

In: -0.132+/-0.001 χ^2/NDF:4370.0/34

Out: -0.134+/-0.001 χ^2/NDF:5283.4/39

All: -0.133+/-0.001 χ^2/NDF: 9654.7/74

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -11.235+/-0.085 χ^2/NDF:7670.8/20

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

Left In: -10.459+/-0.087 χ^2/NDF:5905.1/18

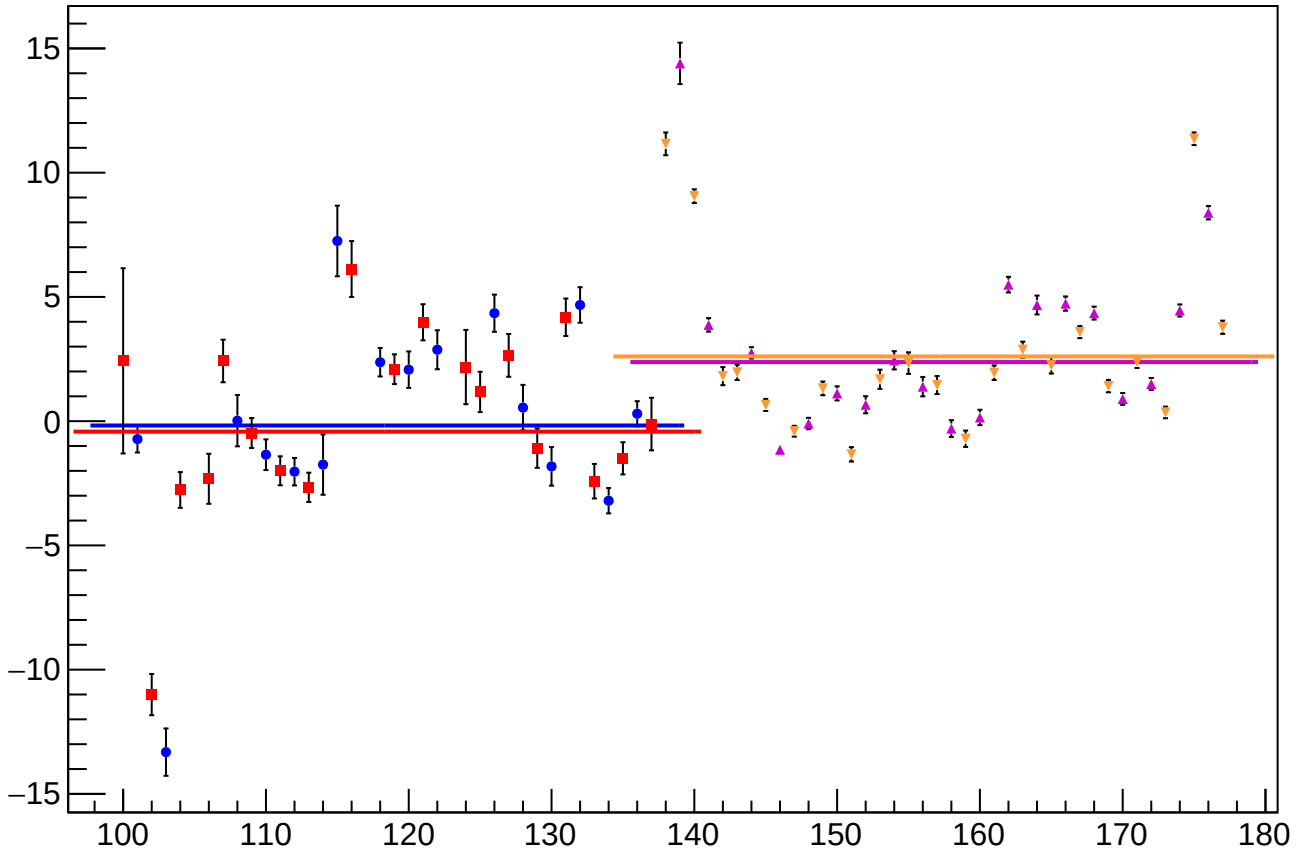
Left: -10.856+/-0.061 χ^2/NDF: 13616.3/39

Right: -1.261+/-0.108 χ^2/NDF: 1051.6/34

In: -8.409+/-0.076 χ^2/NDF:8536.4/34

Out: -8.640+/-0.074 χ^2/NDF:12121.1/39

All: -8.528+/-0.053 χ^2/NDF: 20662.2/74



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 2.605+/-0.062 χ^2/NDF:2817.9/20

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

Left In: 2.379+/-0.064 χ^2/NDF:1726.9/18

Left: 2.495+/-0.045 χ^2/NDF: 4551.2/39

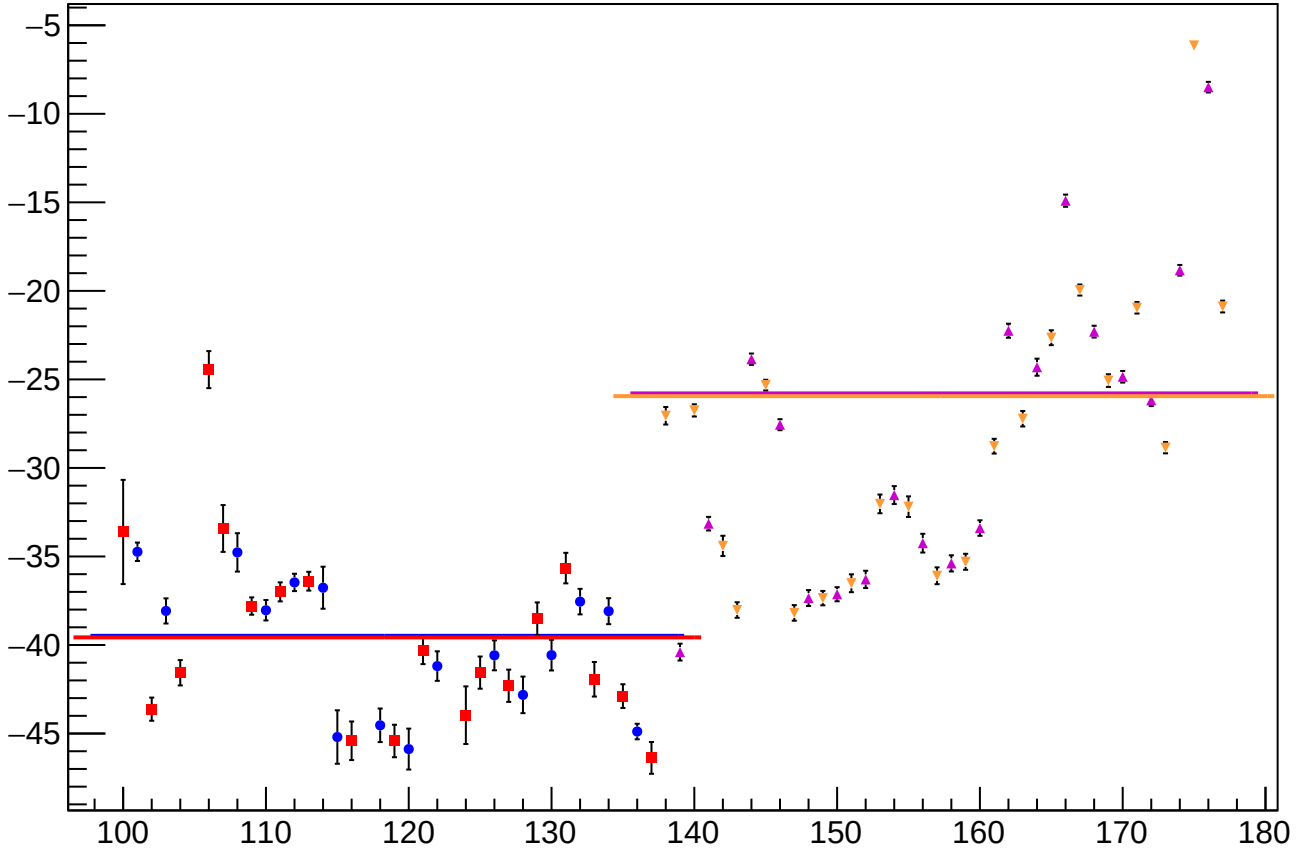
Right: -0.295+/-0.124 χ^2/NDF: 770.4/34

In: 2.070+/-0.060 χ^2/NDF:2321.5/34

Out: 2.271+/-0.059 χ^2/NDF:3443.6/39

All: 2.172+/-0.042 χ^2/NDF: 5770.7/74

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: -25.946+/-0.085 χ^2/NDF:10518.4/20

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

Left In: -25.791+/-0.087 χ^2/NDF:9494.4/18

Left: -25.870+/-0.061 χ^2/NDF: 20014.4/39

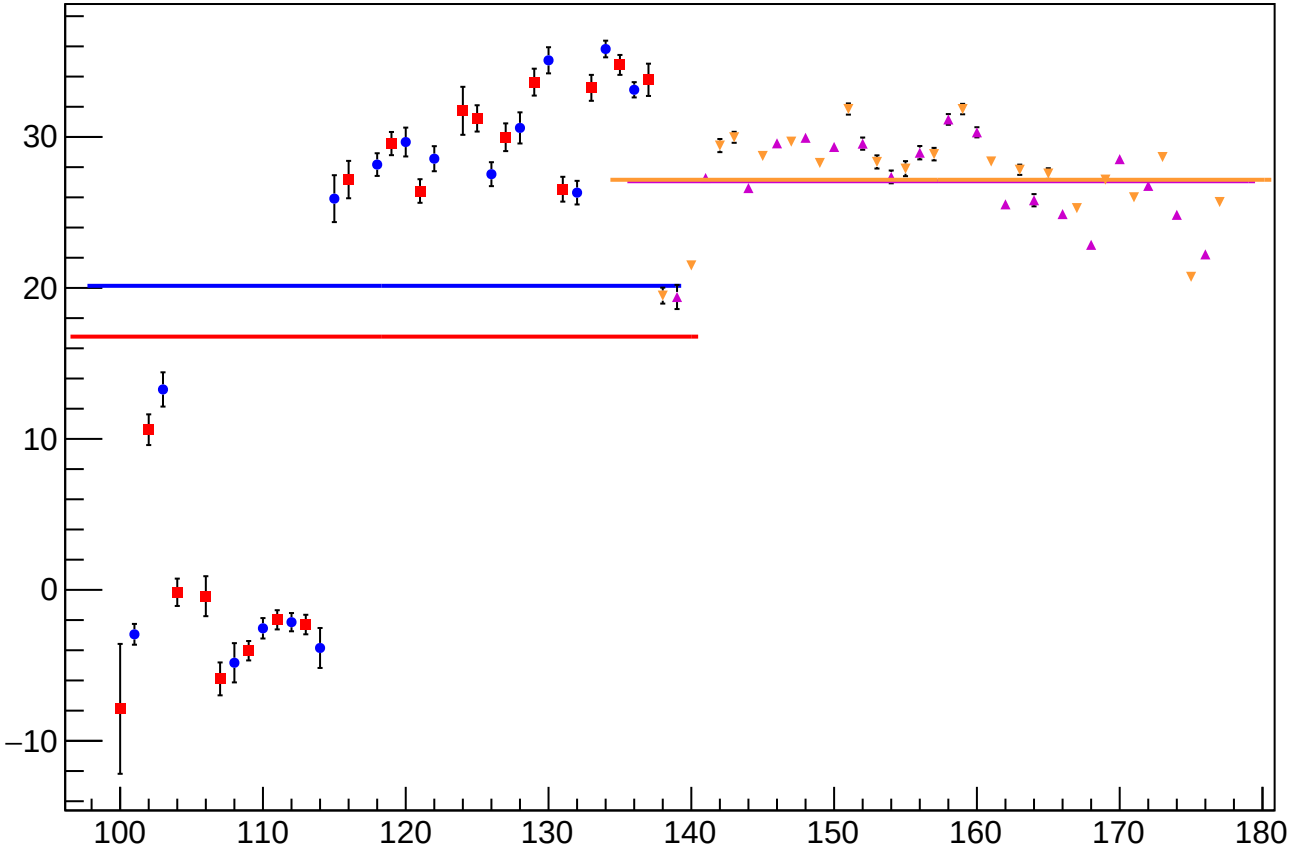
Right: -39.526+/-0.128 χ^2/NDF: 962.9/34

In: -28.367+/-0.078 χ^2/NDF:14589.8/34

Out: -28.397+/-0.077 χ^2/NDF:15719.5/39

All: -28.382+/-0.055 χ^2/NDF: 30309.4/74

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 27.164+/-0.071 χ^2/NDF:1803.3/20

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

Left In: 27.067+/-0.073 χ^2/NDF:1276.1/18

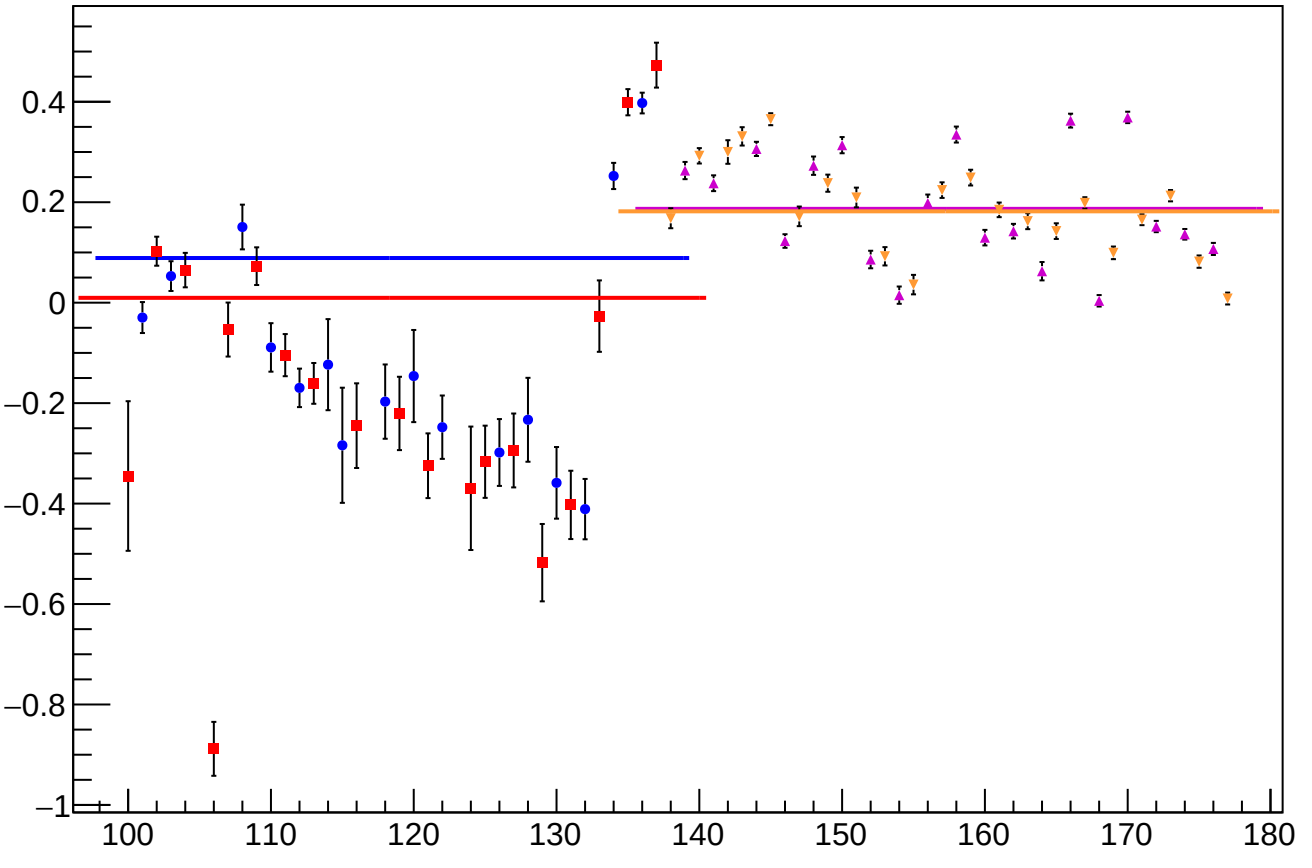
Left: 27.117+/-0.051 χ^2/NDF: 3080.3/39

Right: 18.500+/-0.139 χ^2/NDF: 13569.2/34

In: 26.215+/-0.068 χ^2/NDF:9070.7/34

Out: 26.002+/-0.067 χ^2/NDF:10946.0/39

All: 26.106+/-0.048 χ^2/NDF: 20021.6/74



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.182+/-0.003 χ^2/NDF:844.6/20

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

Left In: 0.187+/-0.003 χ^2/NDF:1249.5/18

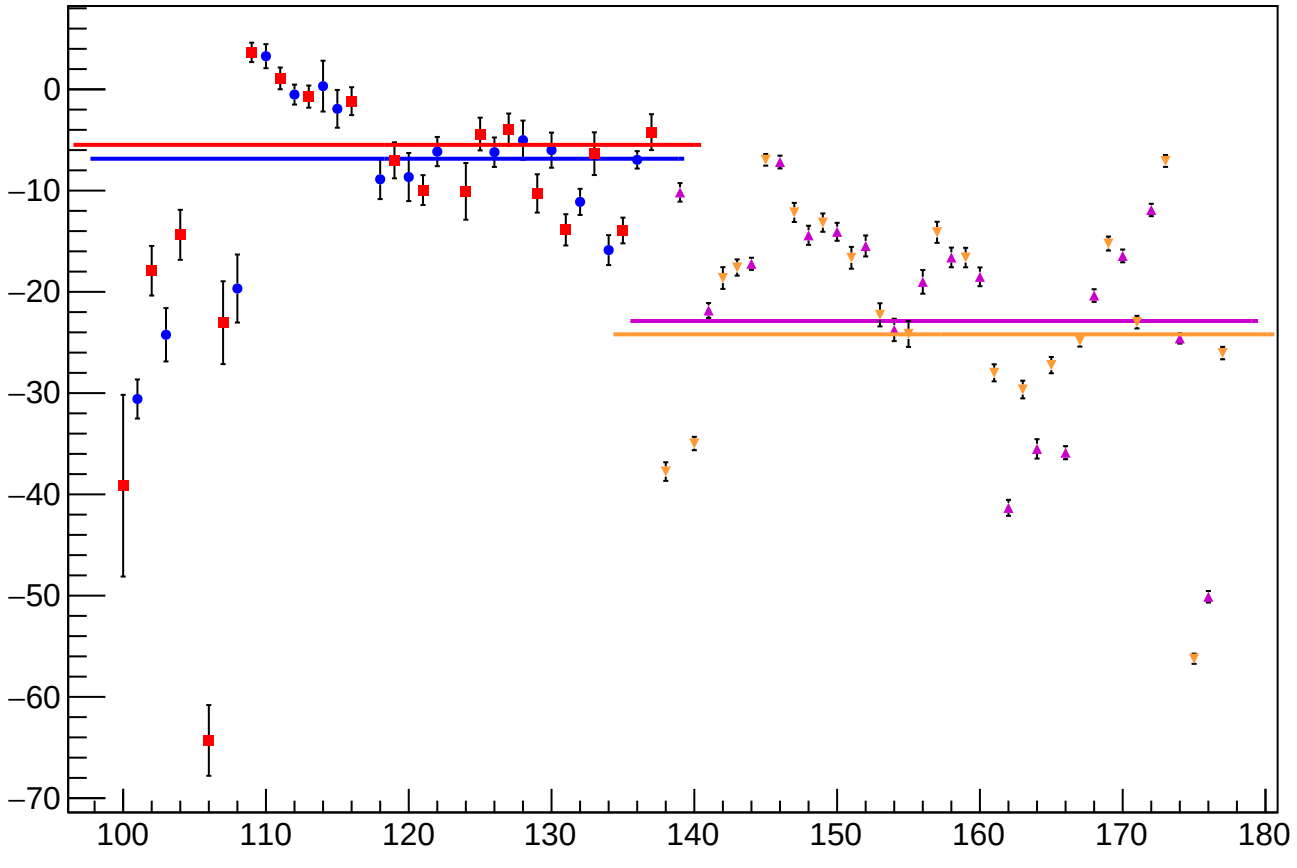
Left: 0.184+/-0.002 χ^2/NDF: 2095.4/39

Right: 0.052+/-0.008 χ^2/NDF: 1426.1/34

In: 0.178+/-0.003 χ^2/NDF:1894.0/34

Out: 0.169+/-0.003 χ^2/NDF:1904.9/39

All: 0.173+/-0.002 χ^2/NDF: 3803.8/74



Right In: -6.853+/-0.376 χ^2/NDF: 390.1/15

Left Out: -24.196+/-0.165 χ^2/NDF:7148.0/20

Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

Left In: -22.878+/-0.169 χ^2/NDF:5051.2/18

Left: -23.554+/-0.118 χ^2/NDF: 12230.4/39

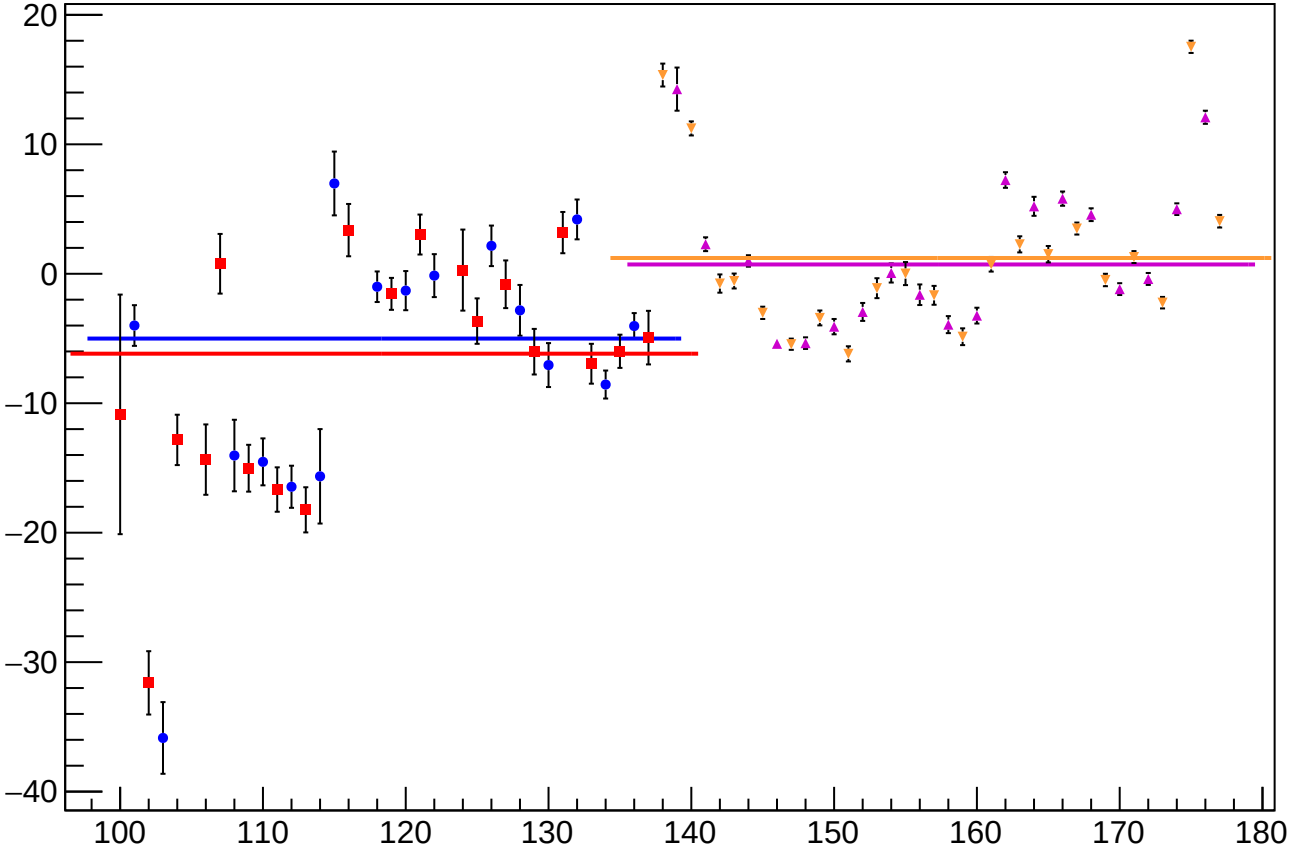
Right: -6.155+/-0.263 χ^2/NDF: 1003.4/34

In: -20.180+/-0.154 χ^2/NDF:6955.1/34

Out: -21.087+/-0.150 χ^2/NDF:9899.1/39

All: -20.644+/-0.108 χ^2/NDF: 16872.0/74

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: 1.219+/-0.121 χ^2/NDF:2580.1/20

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

Left In: 0.719+/-0.124 χ^2/NDF:1633.8/18

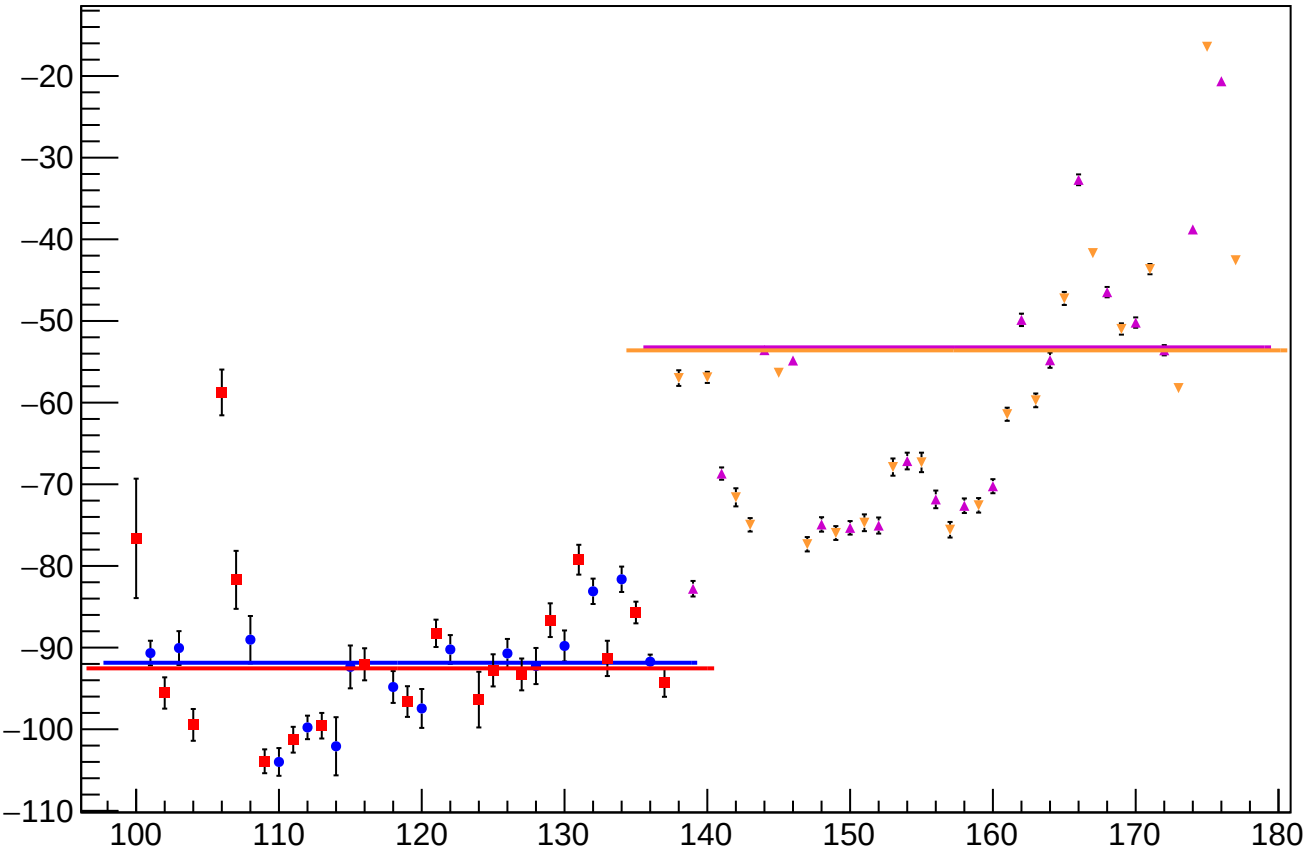
Left: 0.975+/-0.087 χ^2/NDF: 4222.3/39

Right: -5.558+/-0.287 χ^2/NDF: 715.0/34

In: 0.204+/-0.119 χ^2/NDF:2166.3/34

Out: 0.642+/-0.116 χ^2/NDF:3239.6/39

All: 0.427+/-0.083 χ^2/NDF: 5412.9/74



Right In: -91.856+/-0.424 χ^2/NDF: 177.3/15

Left Out: -53.600+/-0.164 χ^2/NDF:10839.5/20

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

Left In: -53.234+/-0.168 χ^2/NDF:9672.8/18

Left: -53.422+/-0.117 χ^2/NDF: 20514.7/39

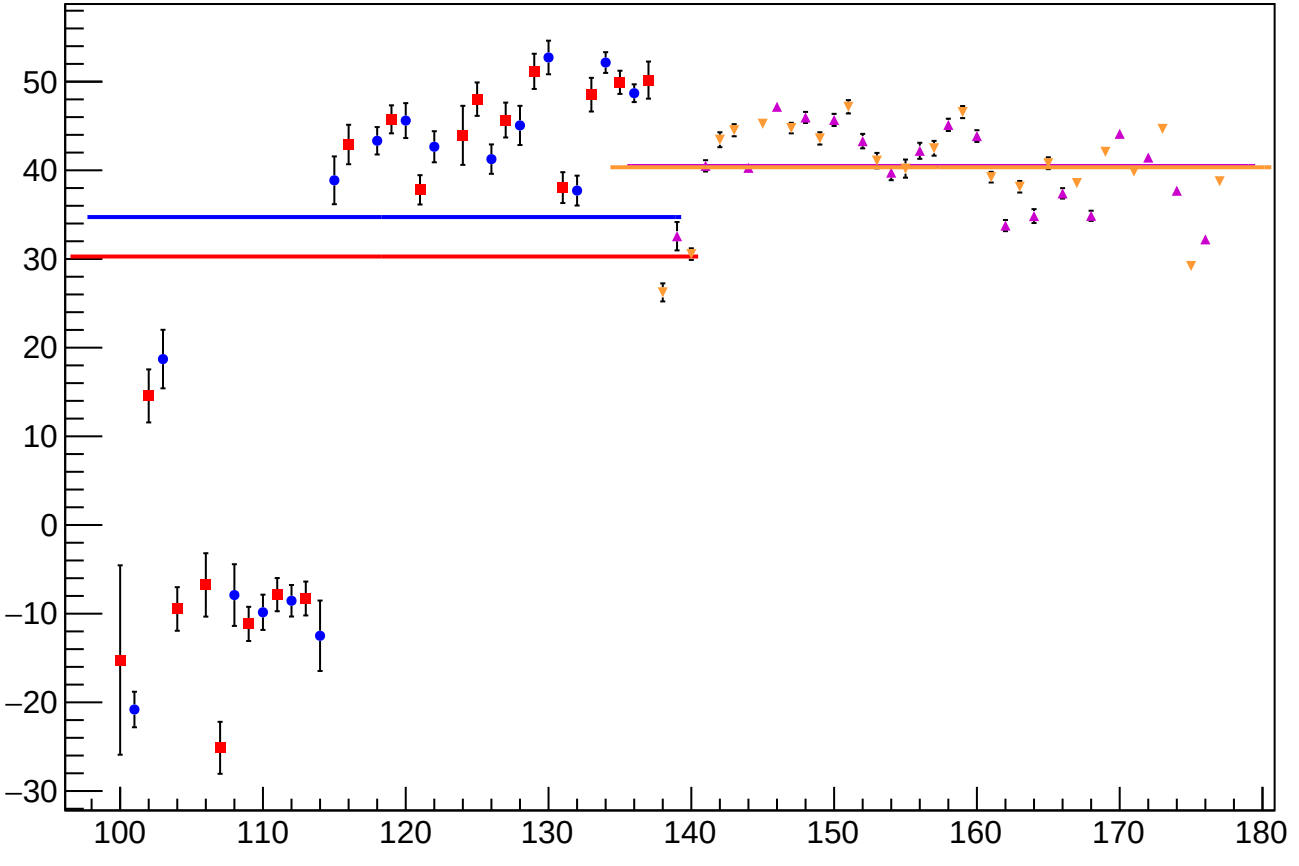
Right: -92.188+/-0.305 χ^2/NDF: 566.3/34

In: -58.479+/-0.156 χ^2/NDF:17019.1/34

Out: -58.357+/-0.154 χ^2/NDF:18127.9/39

All: -58.417+/-0.110 χ^2/NDF: 35147.3/74

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 40.344+/-0.137 χ^2/NDF:1429.1/20

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

Left In: 40.490+/-0.141 χ^2/NDF:1059.1/18

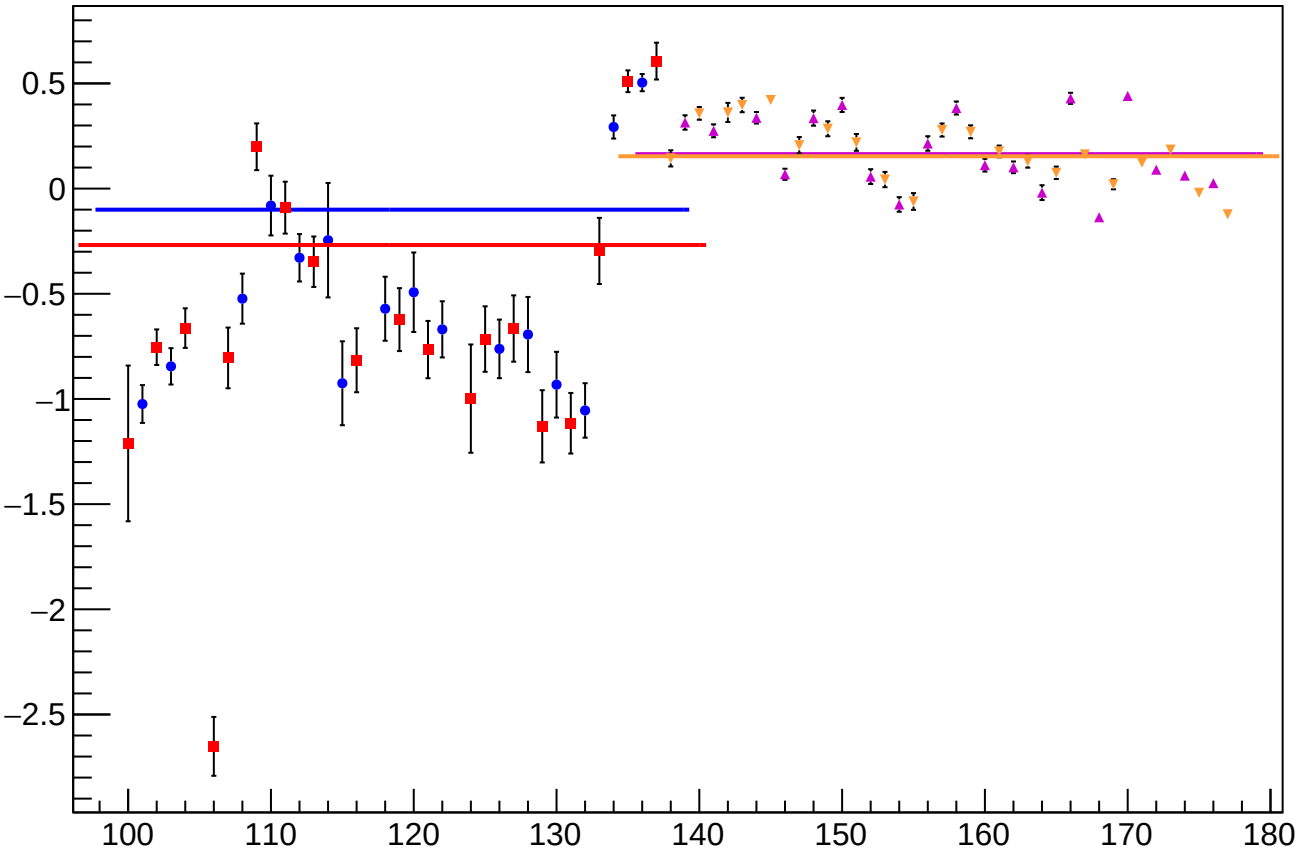
Left: 40.415+/-0.098 χ^2/NDF: 2488.8/39

Right: 32.627+/-0.321 χ^2/NDF: 5768.2/34

In: 39.956+/-0.135 χ^2/NDF:4022.4/34

Out: 39.546+/-0.132 χ^2/NDF:4767.8/39

All: 39.746+/-0.094 χ^2/NDF: 8794.9/74



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.154+/-0.006 χ^2/NDF:595.8/20

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

Left In: 0.164+/-0.006 χ^2/NDF:827.2/18

Left: 0.159+/-0.004 χ^2/NDF: 1424.3/39

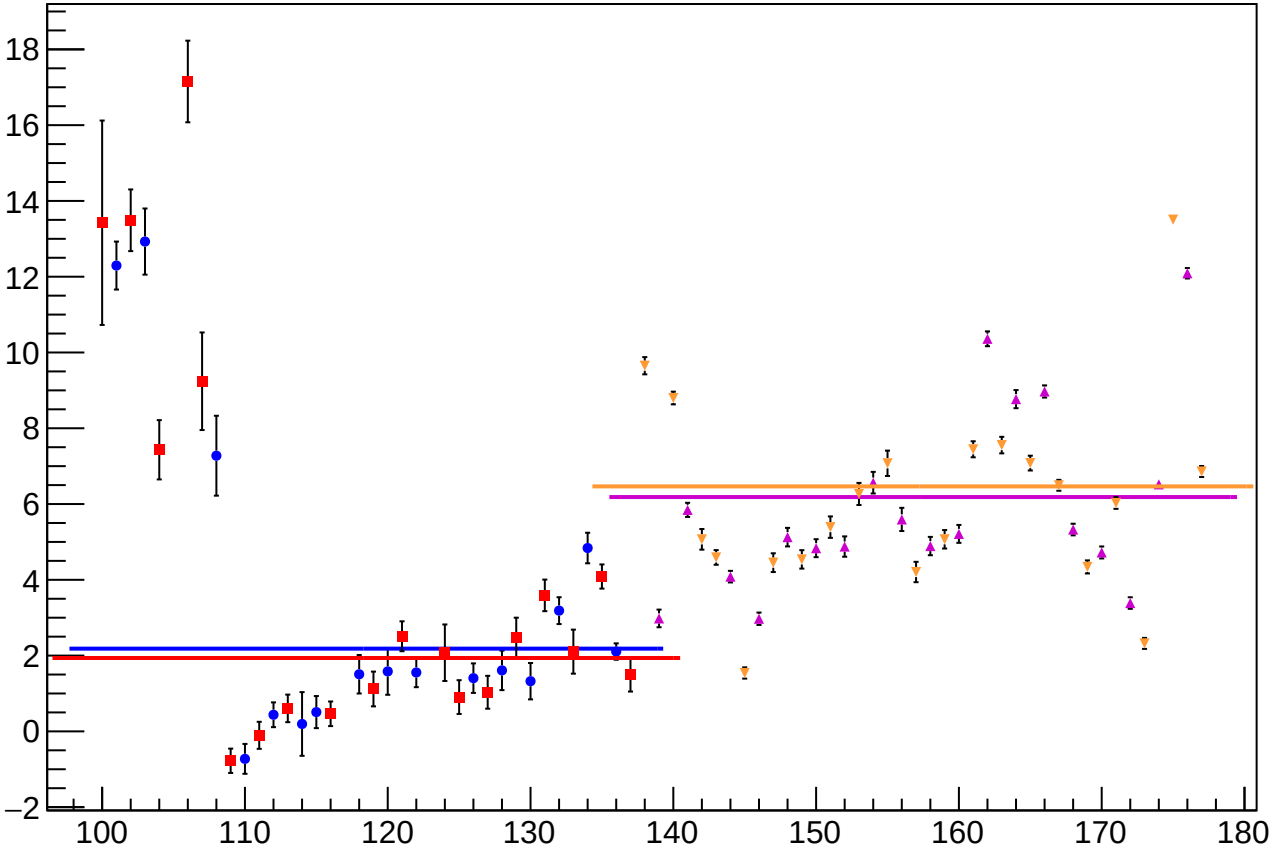
Right: -0.176+/-0.018 χ^2/NDF: 1476.0/34

In: 0.147+/-0.006 χ^2/NDF:1571.7/34

Out: 0.132+/-0.006 χ^2/NDF:1661.4/39

All: 0.139+/-0.004 χ^2/NDF: 3236.3/74

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: 6.466+/-0.041 χ^2/NDF:6291.7/20

Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

Left In: 6.185+/-0.042 χ^2/NDF:4064.2/18

Left: 6.329+/-0.029 χ^2/NDF: 10378.6/39

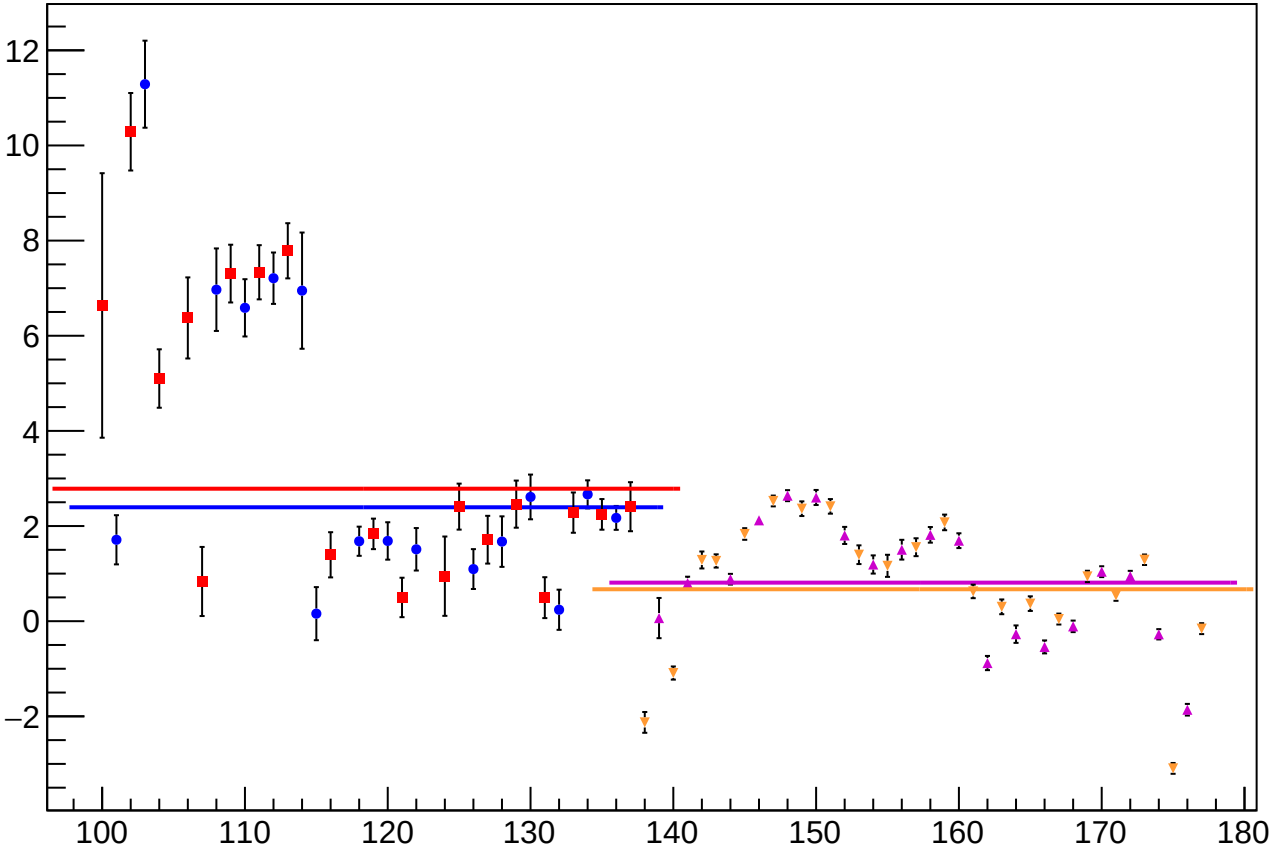
Right: 2.061+/-0.074 χ^2/NDF: 1319.2/34

In: 5.626+/-0.039 χ^2/NDF:5913.0/34

Out: 5.870+/-0.038 χ^2/NDF:8610.3/39

All: 5.751+/-0.027 χ^2/NDF: 14543.1/74

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: 0.671+/-0.030 χ^2/NDF:2298.8/20

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

Left In: 0.810+/-0.031 χ^2/NDF:1586.0/18

Left: 0.739+/-0.022 χ^2/NDF: 3895.0/39

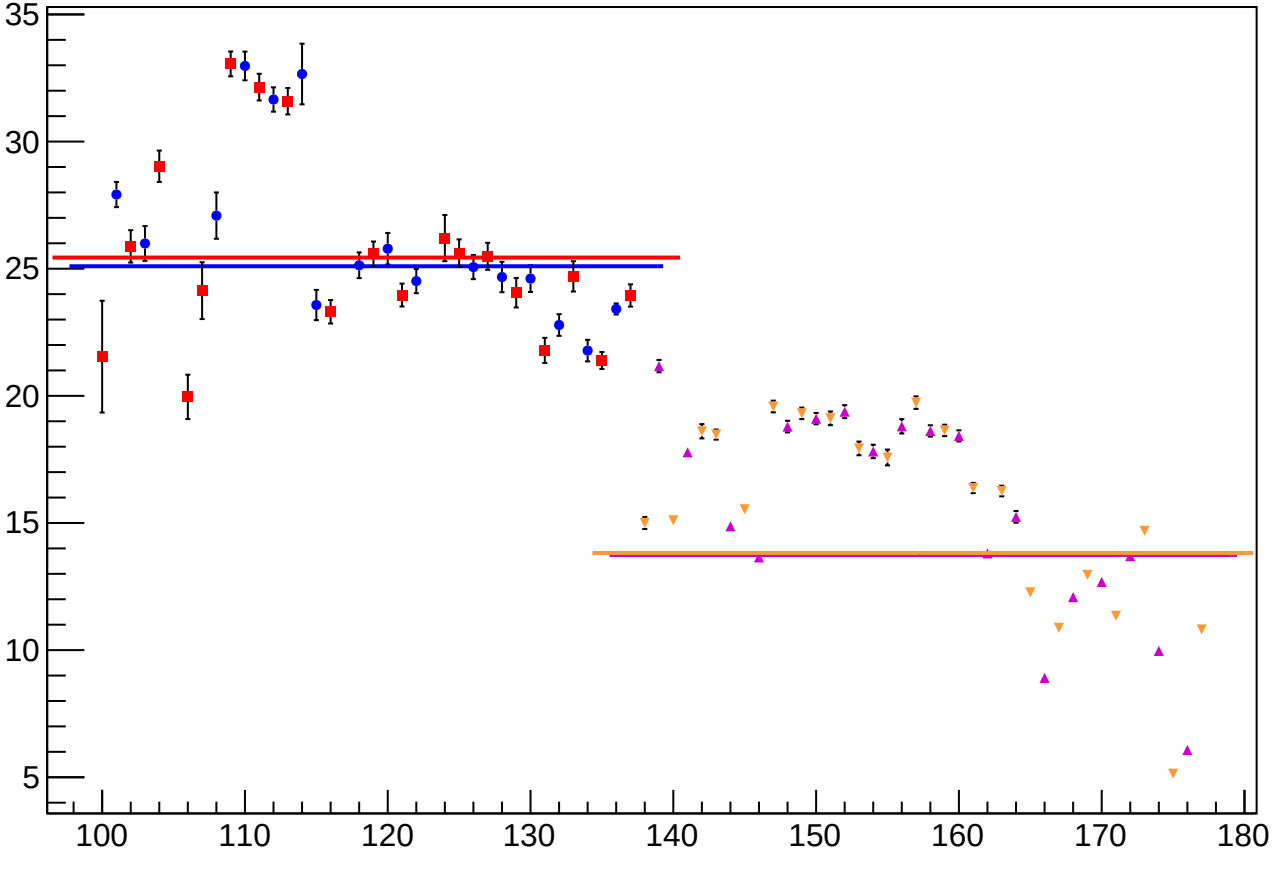
Right: 2.577+/-0.079 χ^2/NDF: 750.9/34

In: 0.932+/-0.030 χ^2/NDF:2117.3/34

Out: 0.807+/-0.029 χ^2/NDF:3021.1/39

All: 0.868+/-0.021 χ^2/NDF: 5147.2/74

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: 13.822+/-0.041 χ^2/NDF:10698.1/20

Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

Left In: 13.743+/-0.042 χ^2/NDF:9518.2/18

Left: 13.783+/-0.029 χ^2/NDF: 20218.1/39

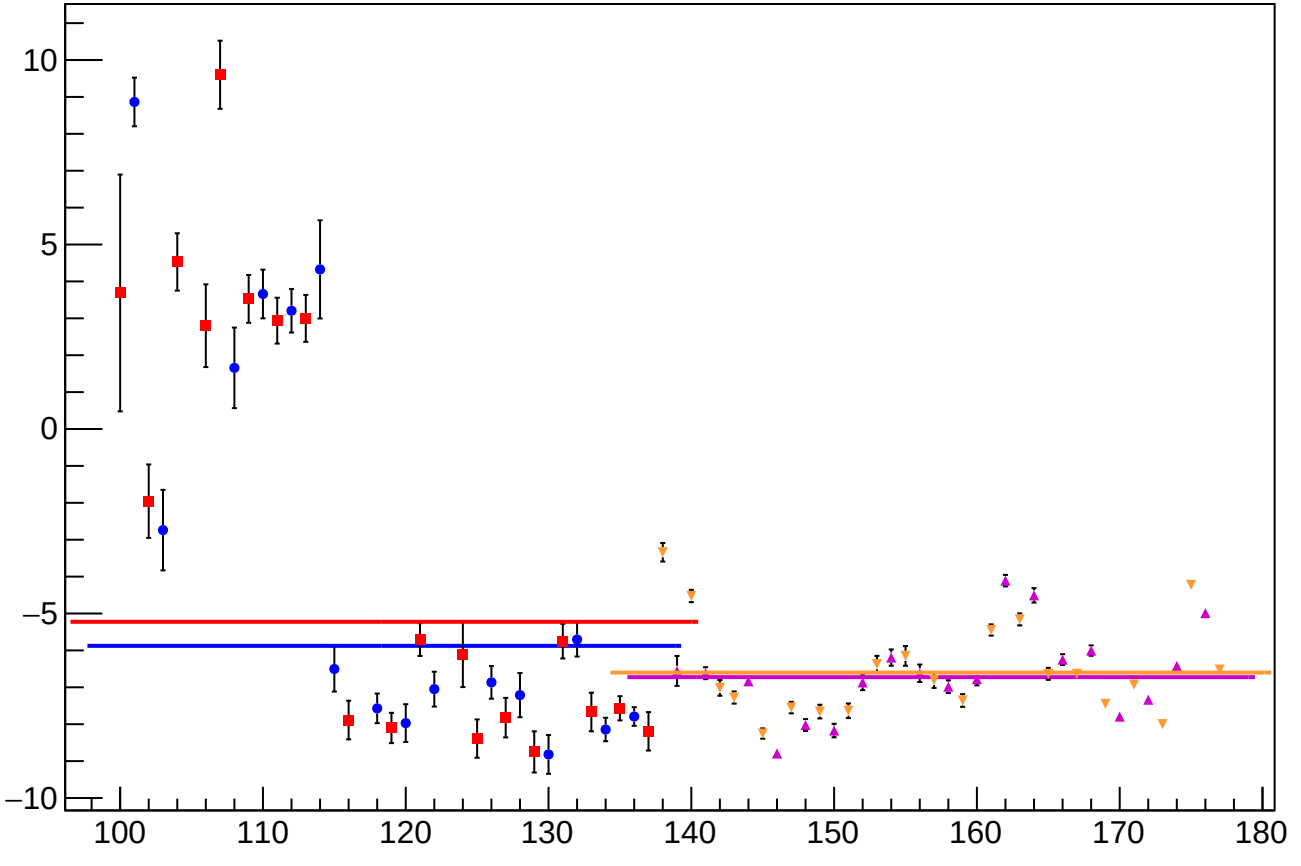
Right: 25.258+/-0.085 χ^2/NDF: 1504.5/34

In: 15.035+/-0.040 χ^2/NDF:18409.8/34

Out: 14.960+/-0.039 χ^2/NDF:19488.9/39

All: 14.997+/-0.028 χ^2/NDF: 37900.5/74

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.876+/-0.121 χ^2/NDF: 1251.4/15

Left Out: -6.600+/-0.034 χ^2/NDF:1324.3/20

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

Left In: -6.724+/-0.035 χ^2/NDF:1162.7/18

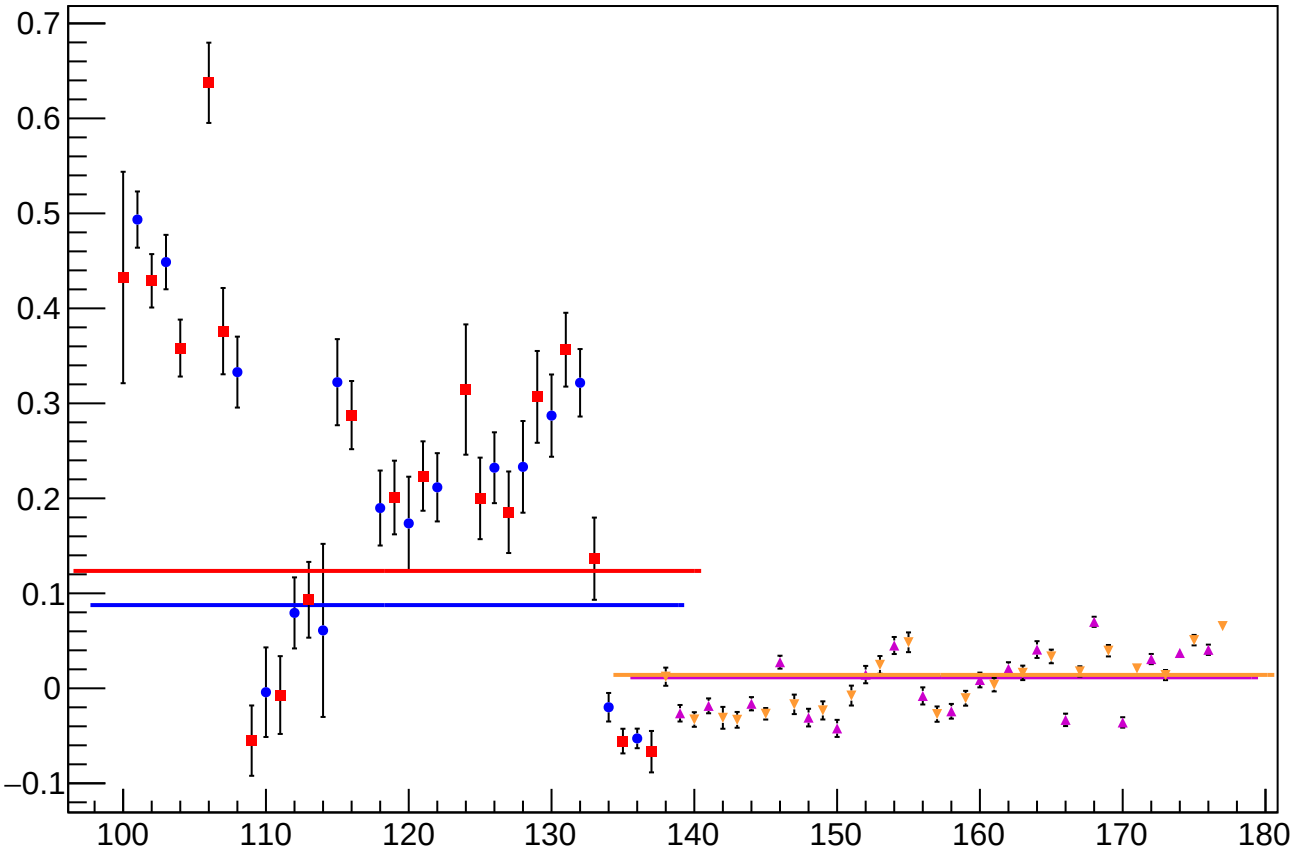
Left: -6.660+/-0.025 χ^2/NDF: 2493.4/39

Right: -5.573+/-0.088 χ^2/NDF: 2556.9/34

In: -6.657+/-0.034 χ^2/NDF:2459.5/34

Out: -6.510+/-0.033 χ^2/NDF:2721.8/39

All: -6.581+/-0.024 χ^2/NDF: 5191.0/74



Right In: 0.088+/-0.007 χ^2/NDF: 768.0/15

Left Out: 0.014+/-0.002 χ^2/NDF:382.8/20

Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: 0.012+/-0.002 χ^2/NDF:477.3/18

Left: 0.013+/-0.001 χ^2/NDF: 861.4/39

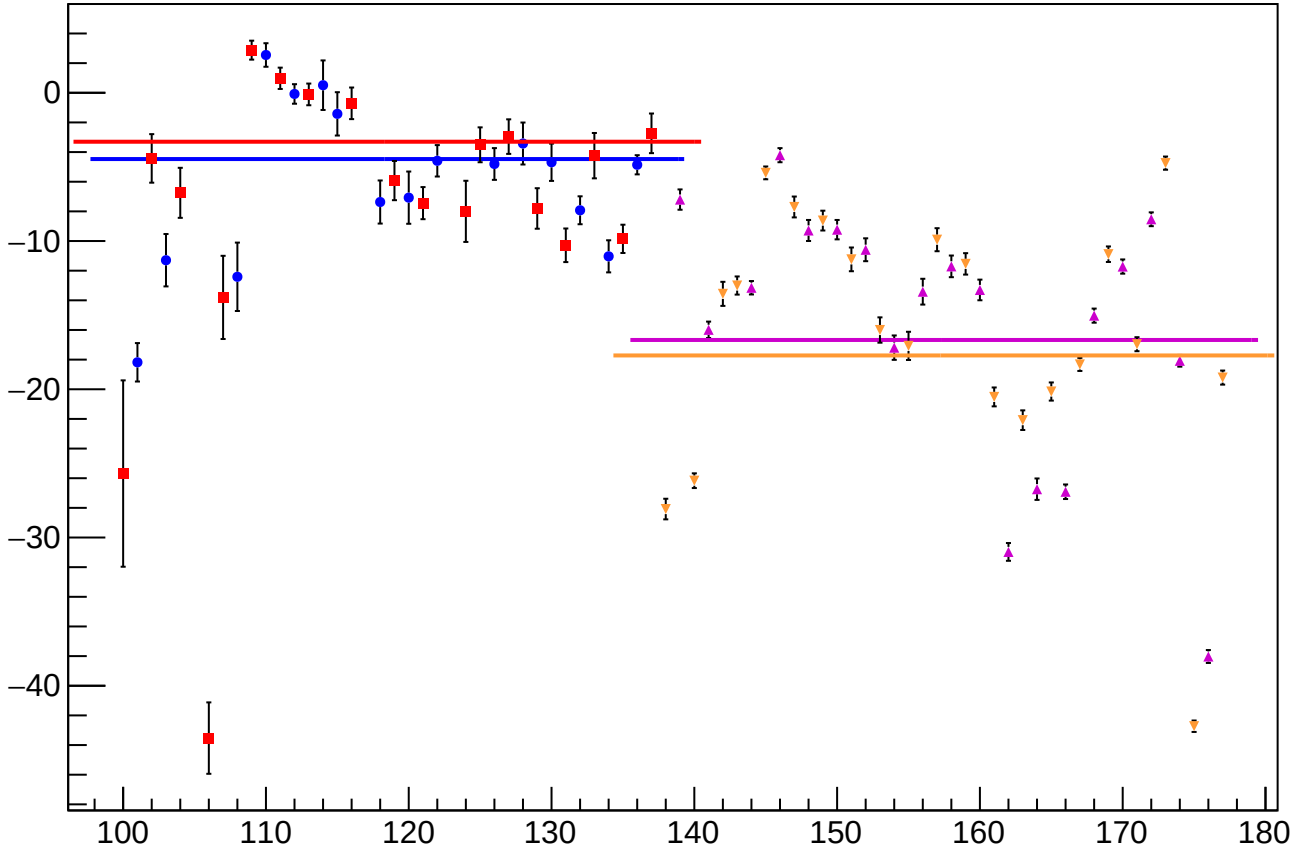
Right: 0.104+/-0.005 χ^2/NDF: 1543.6/34

In: 0.016+/-0.002 χ^2/NDF:1371.2/34

Out: 0.019+/-0.002 χ^2/NDF:1358.7/39

All: 0.017+/-0.001 χ^2/NDF: 2731.9/74

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -17.718+/-0.125 χ^2/NDF:7358.0/20

Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -16.674+/-0.128 χ^2/NDF:5357.0/18

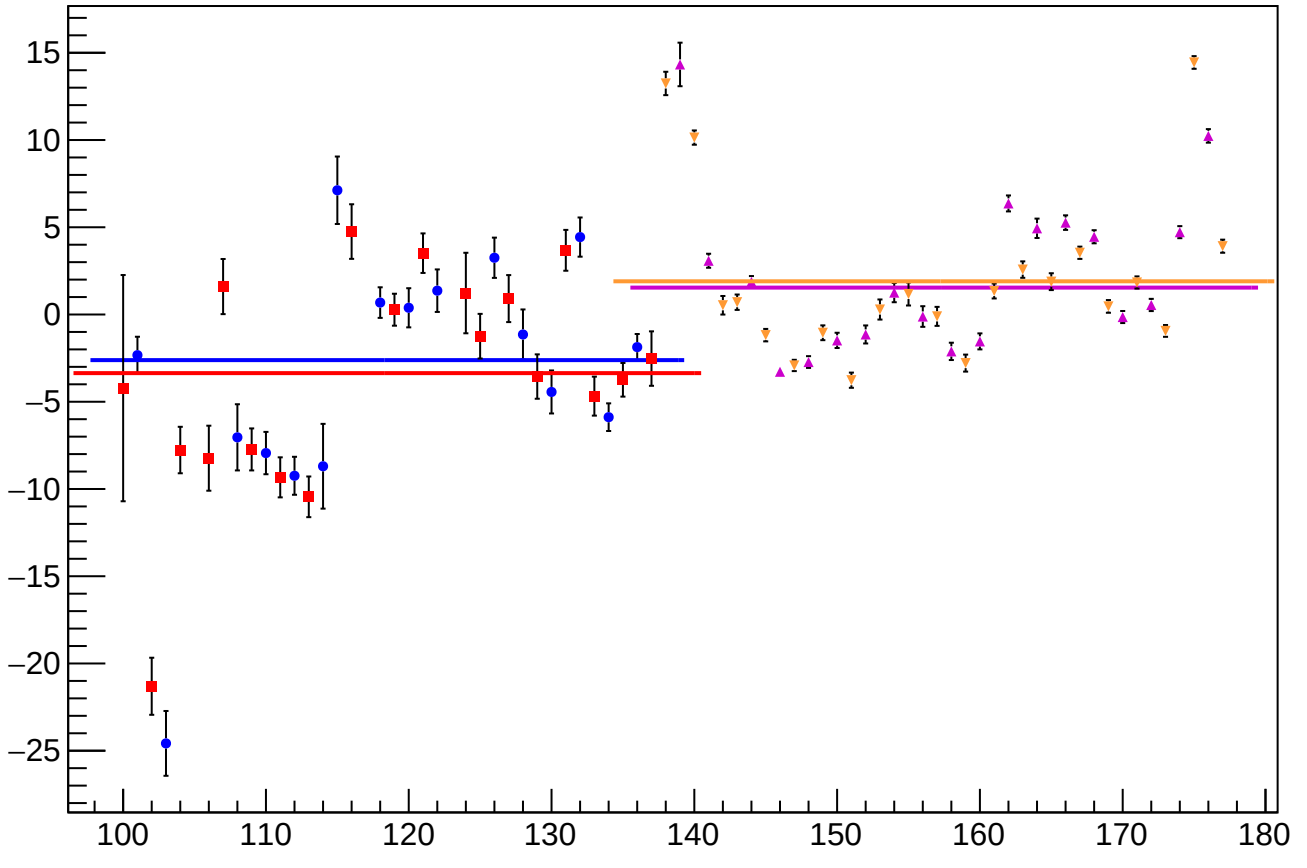
Left: -17.209+/-0.089 χ^2/NDF: 12749.2/39

Right: -3.869+/-0.187 χ^2/NDF: 926.1/34

In: -14.422+/-0.115 χ^2/NDF:7374.2/34

Out: -15.040+/-0.112 χ^2/NDF:10430.0/39

All: -14.739+/-0.081 χ^2/NDF: 17819.0/74



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 1.903+/-0.091 χ^2/NDF:2664.7/20

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

Left In: 1.541+/-0.094 χ^2/NDF:1658.7/18

Left: 1.727+/-0.066 χ^2/NDF: 4331.0/39

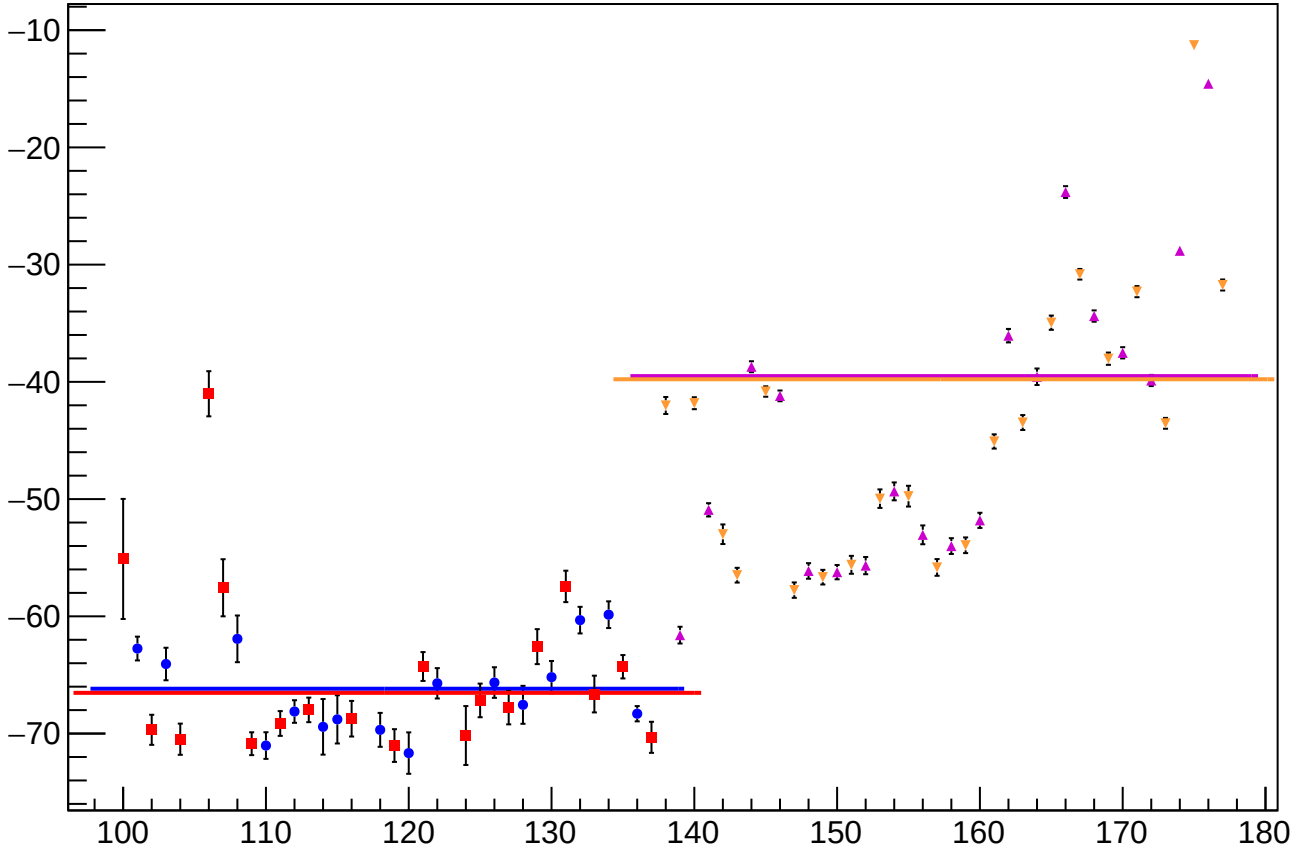
Right: -2.970+/-0.206 χ^2/NDF: 714.8/34

In: 1.136+/-0.089 χ^2/NDF:2201.6/34

Out: 1.451+/-0.087 χ^2/NDF:3308.0/39

All: 1.297+/-0.062 χ^2/NDF: 5515.9/74

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: -39.778+/-0.124 χ^2/NDF:10777.1/20

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

Left In: -39.510+/-0.127 χ^2/NDF:9647.2/18

Left: -39.648+/-0.089 χ^2/NDF: 20426.6/39

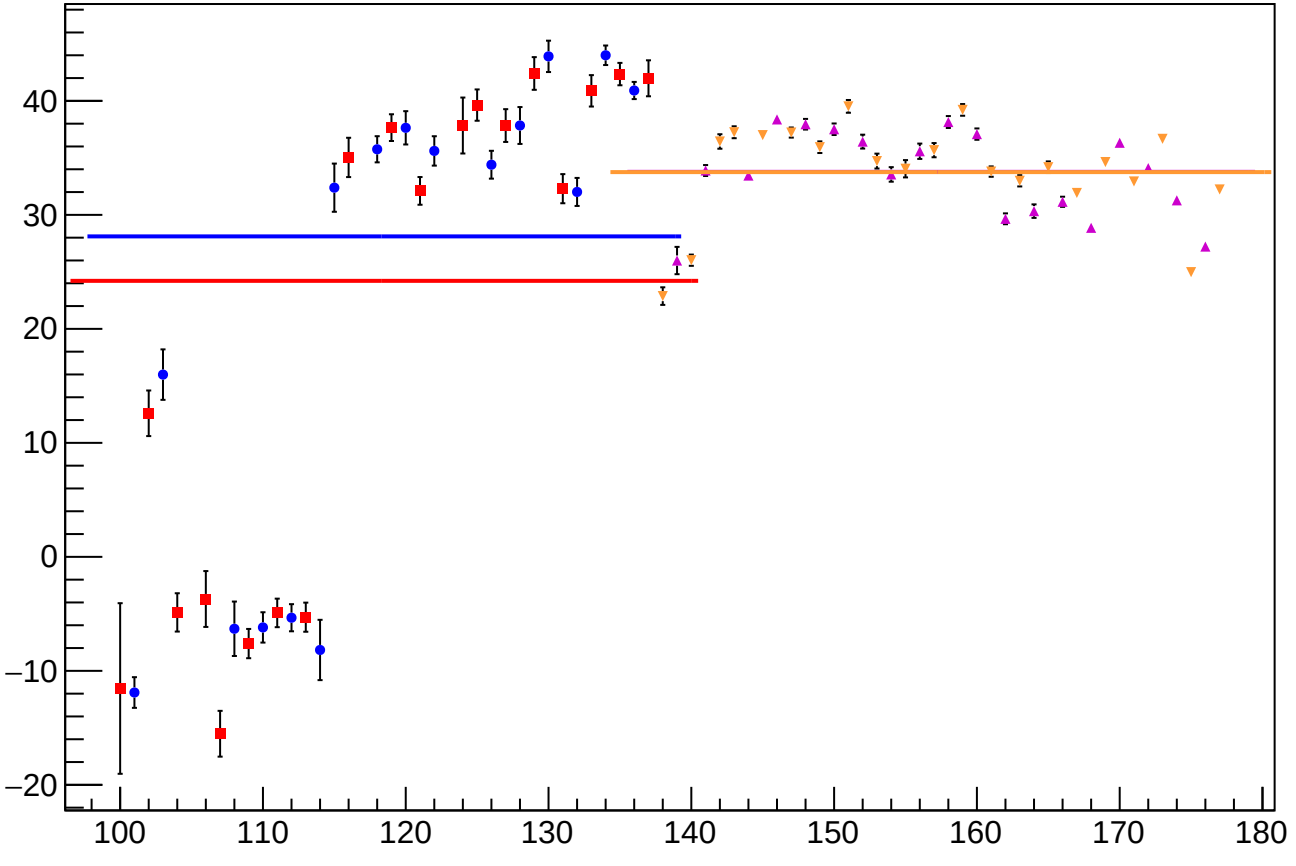
Right: -66.346+/-0.218 χ^2/NDF: 451.5/34

In: -43.464+/-0.117 χ^2/NDF:16316.1/34

Out: -43.411+/-0.115 χ^2/NDF:17431.0/39

All: -43.437+/-0.082 χ^2/NDF: 33747.2/74

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 33.752+/-0.104 χ^2/NDF:1526.5/20

Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 33.774+/-0.107 χ^2/NDF:1097.0/18

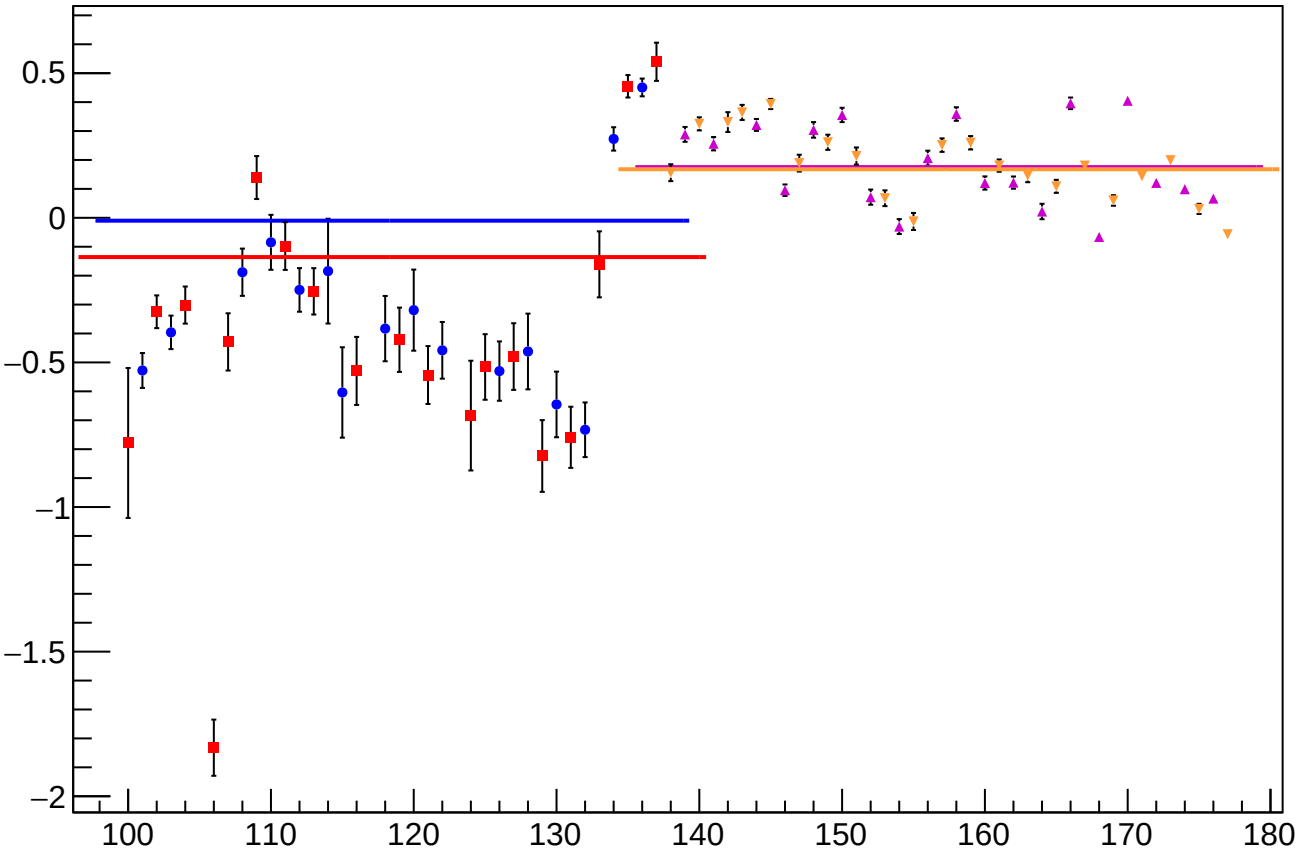
Left: 33.763+/-0.074 χ^2/NDF: 2623.5/39

Right: 26.255+/-0.232 χ^2/NDF: 7640.1/34

In: 33.208+/-0.101 χ^2/NDF:5106.5/34

Out: 32.921+/-0.099 χ^2/NDF:6105.8/39

All: 33.061+/-0.071 χ^2/NDF: 11216.5/74



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.168+/-0.005 χ^2/NDF:677.3/20

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

Left In: 0.175+/-0.005 χ^2/NDF:963.8/18

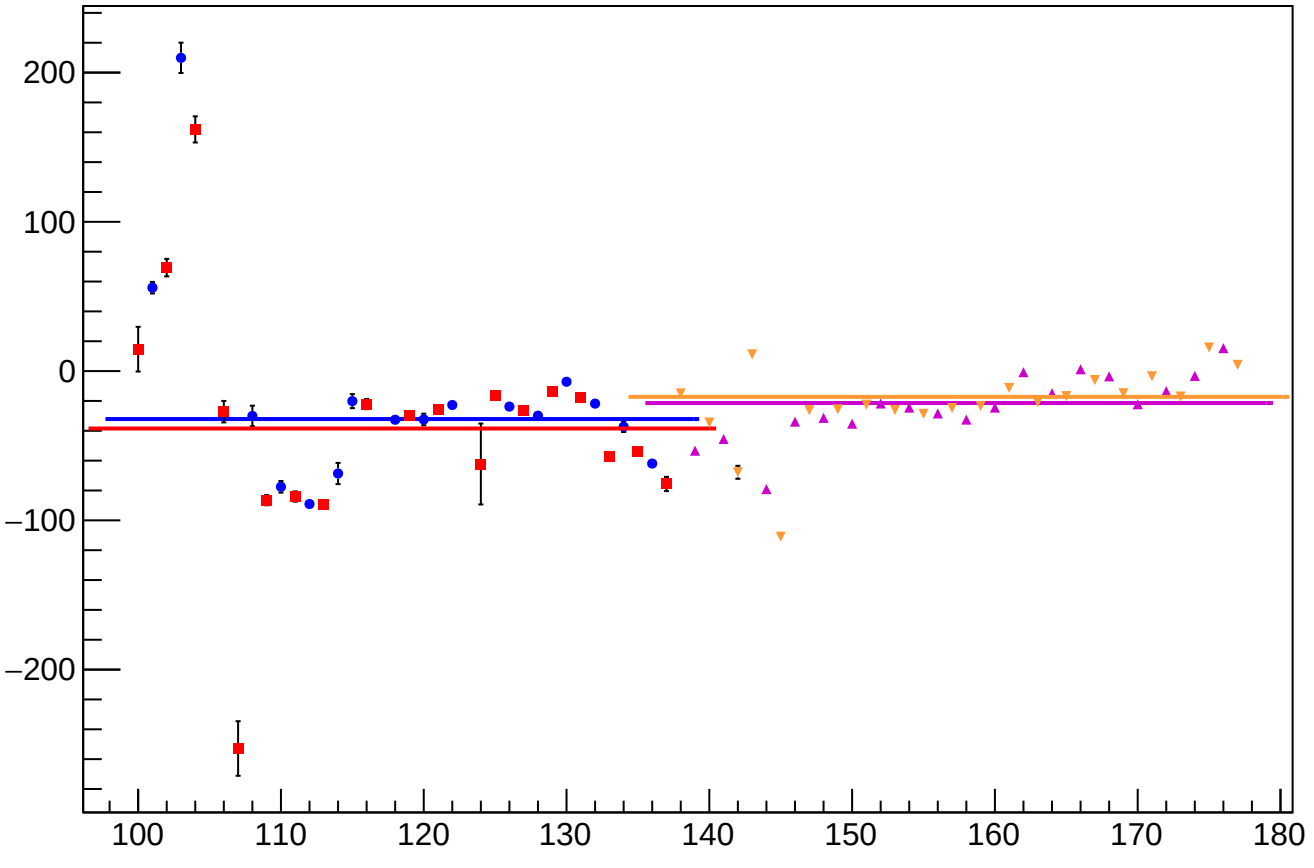
Left: 0.172+/-0.003 χ^2/NDF: 1642.4/39

Right: -0.068+/-0.013 χ^2/NDF: 1430.0/34

In: 0.162+/-0.005 χ^2/NDF:1657.6/34

Out: 0.150+/-0.005 χ^2/NDF:1740.8/39

All: 0.156+/-0.003 χ^2/NDF: 3401.9/74



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -17.278+/-0.596 χ^2/NDF:1606.7/20

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

Left In: -21.392+/-0.619 χ^2/NDF:1233.7/18

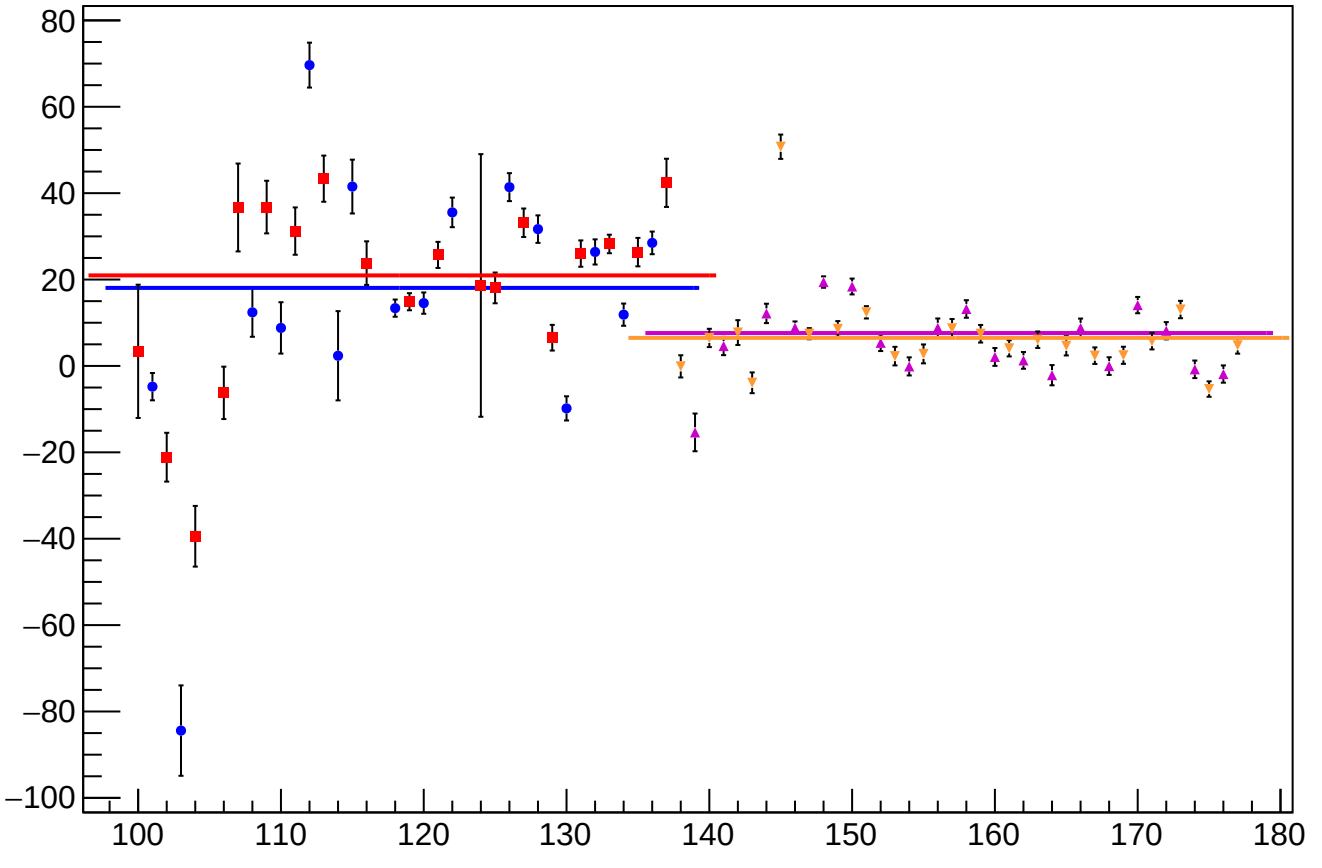
Left: -19.257+/-0.429 χ^2/NDF: 2863.3/39

Right: -35.208+/-0.603 χ^2/NDF: 3877.6/34

In: -25.149+/-0.499 χ^2/NDF:3216.4/34

Out: -24.103+/-0.491 χ^2/NDF:3986.3/39

All: -24.618+/-0.350 χ^2/NDF: 7204.9/74



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 6.496+/-0.428 χ^2/NDF:366.1/20

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

Left In: 7.616+/-0.450 χ^2/NDF:272.7/18

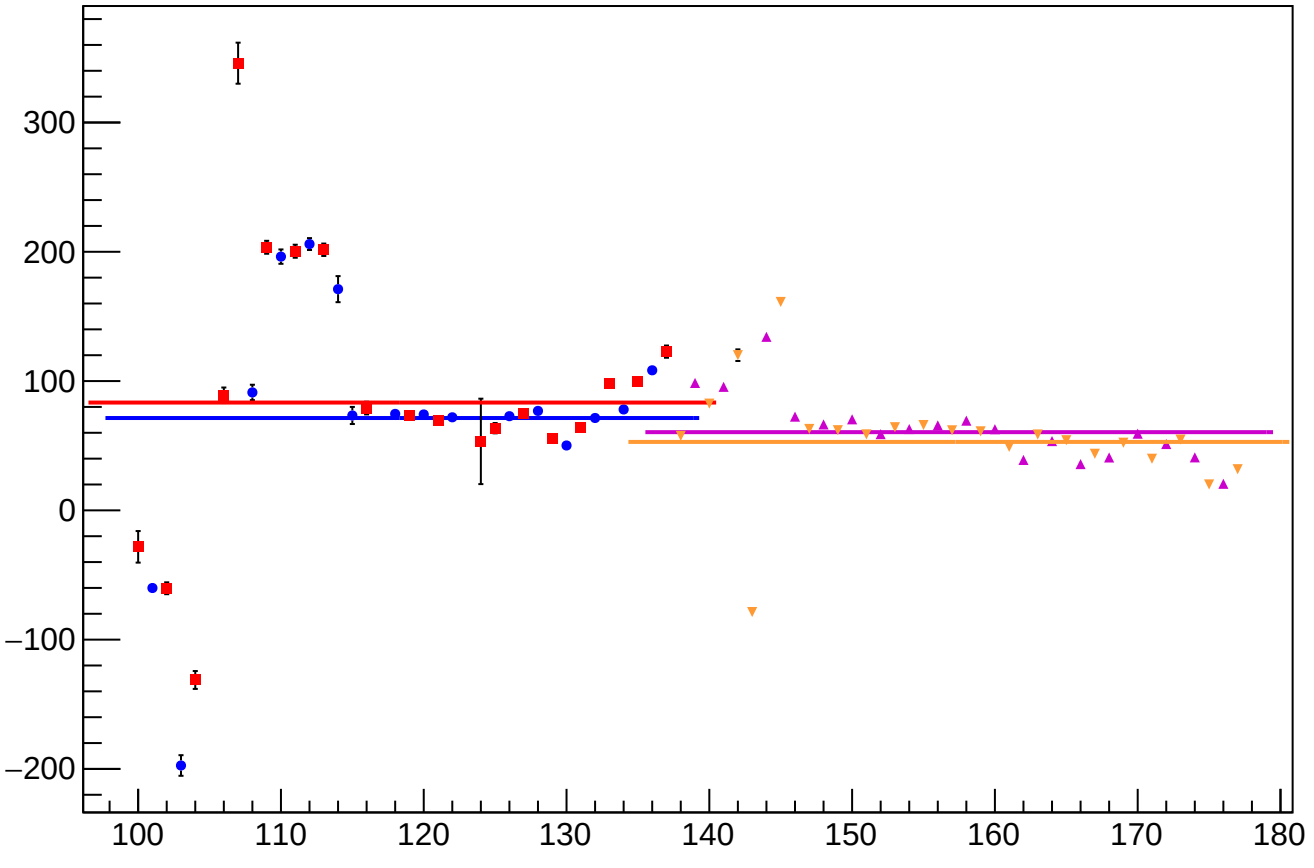
Left: 7.028+/-0.310 χ^2/NDF: 642.0/39

Right: 19.435+/-0.597 χ^2/NDF: 768.0/34

In: 10.027+/-0.395 χ^2/NDF:896.5/34

Out: 9.326+/-0.384 χ^2/NDF:851.8/39

All: 9.666+/-0.275 χ^2/NDF: 1749.9/74



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 52.936+/-0.586 χ^2/NDF:3484.4/20

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

Left In: 60.487+/-0.609 χ^2/NDF:1622.3/18

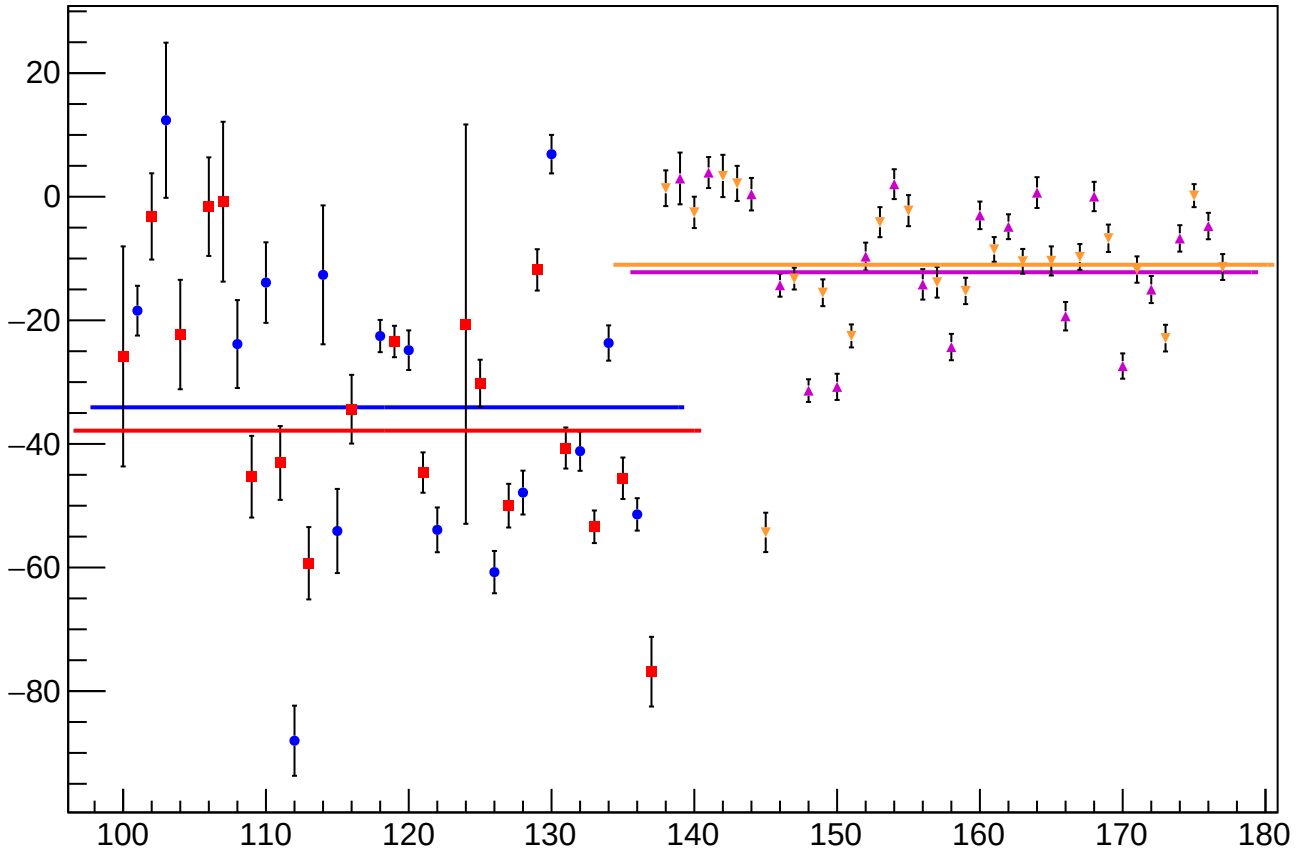
Left: 56.569+/-0.422 χ^2/NDF: 5186.6/39

Right: 77.066+/-0.677 χ^2/NDF: 9194.8/34

In: 63.760+/-0.509 χ^2/NDF:6538.5/34

Out: 60.893+/-0.504 χ^2/NDF:8487.3/39

All: 62.310+/-0.358 χ^2/NDF: 15041.9/74



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -11.007+/-0.489 χ^2/NDF:395.3/20

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

Left In: -12.216+/-0.514 χ^2/NDF:501.9/18

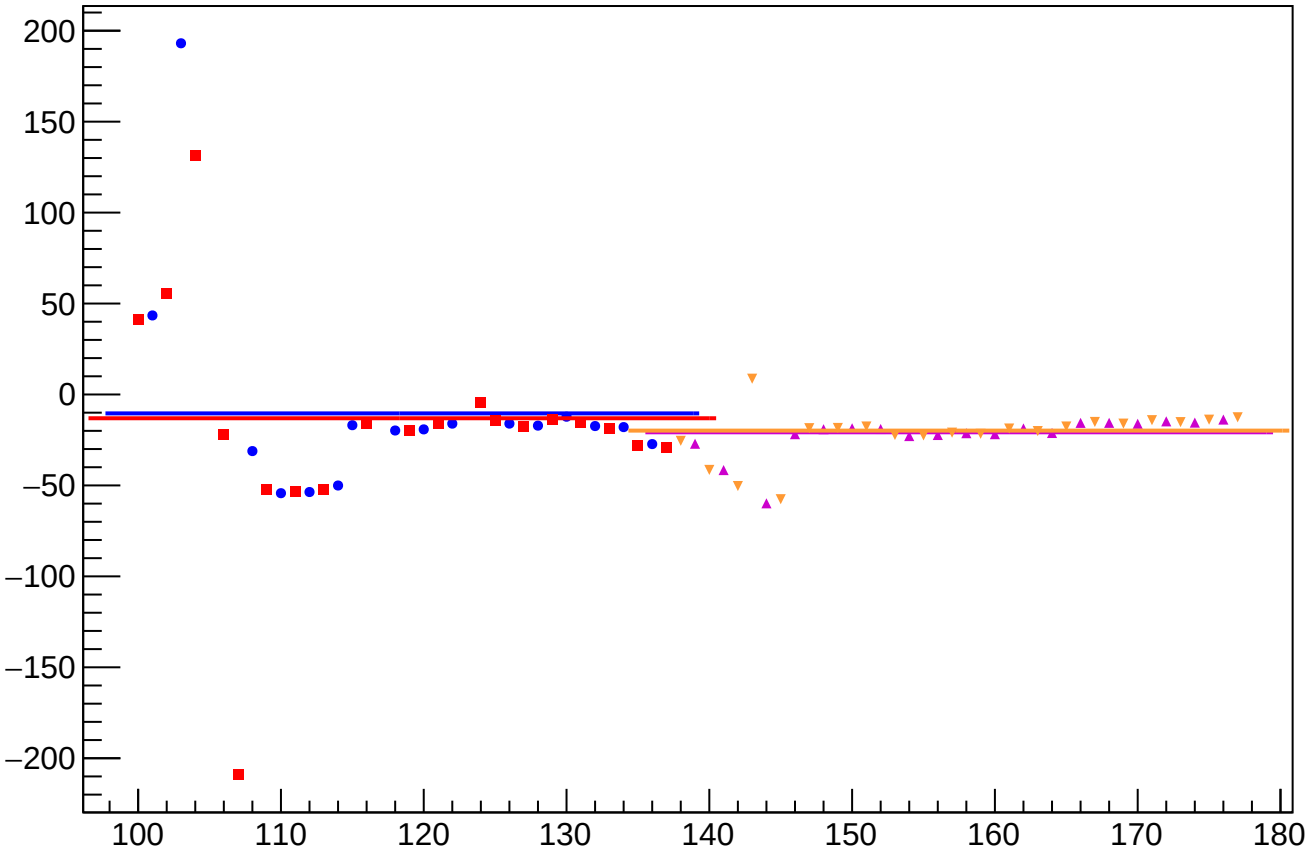
Left: -11.582+/-0.354 χ^2/NDF: 900.1/39

Right: -35.865+/-0.684 χ^2/NDF: 793.4/34

In: -17.232+/-0.451 χ^2/NDF:1427.9/34

Out: -16.243+/-0.439 χ^2/NDF:1257.4/39

All: -16.724+/-0.315 χ^2/NDF: 2687.8/74



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -19.865+/-0.022 χ^2/NDF:219271.5/20

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

Left In: -20.793+/-0.023 χ^2/NDF:137653.0/18

Left: -20.319+/-0.016 χ^2/NDF: 357790.9/39

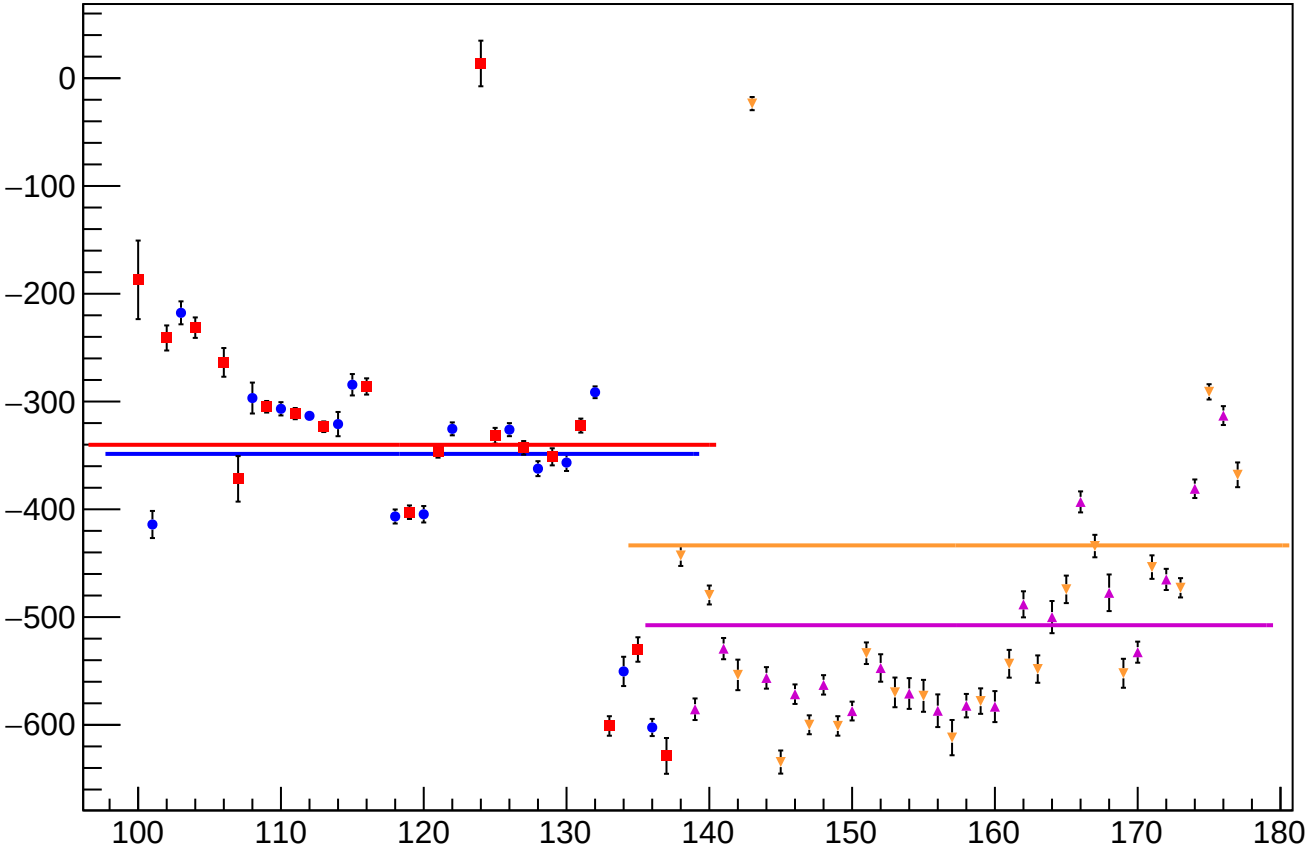
Right: -11.607+/-0.042 χ^2/NDF: 972944.0/34

In: -19.379+/-0.021 χ^2/NDF:688895.1/34

Out: -19.114+/-0.021 χ^2/NDF:679342.3/39

All: -19.246+/-0.015 χ^2/NDF: 1368318.0/74

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -433.473+/-2.229 χ^2/NDF:6895.2/20

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

Left In: -507.537+/-2.431 χ^2/NDF:1269.9/18

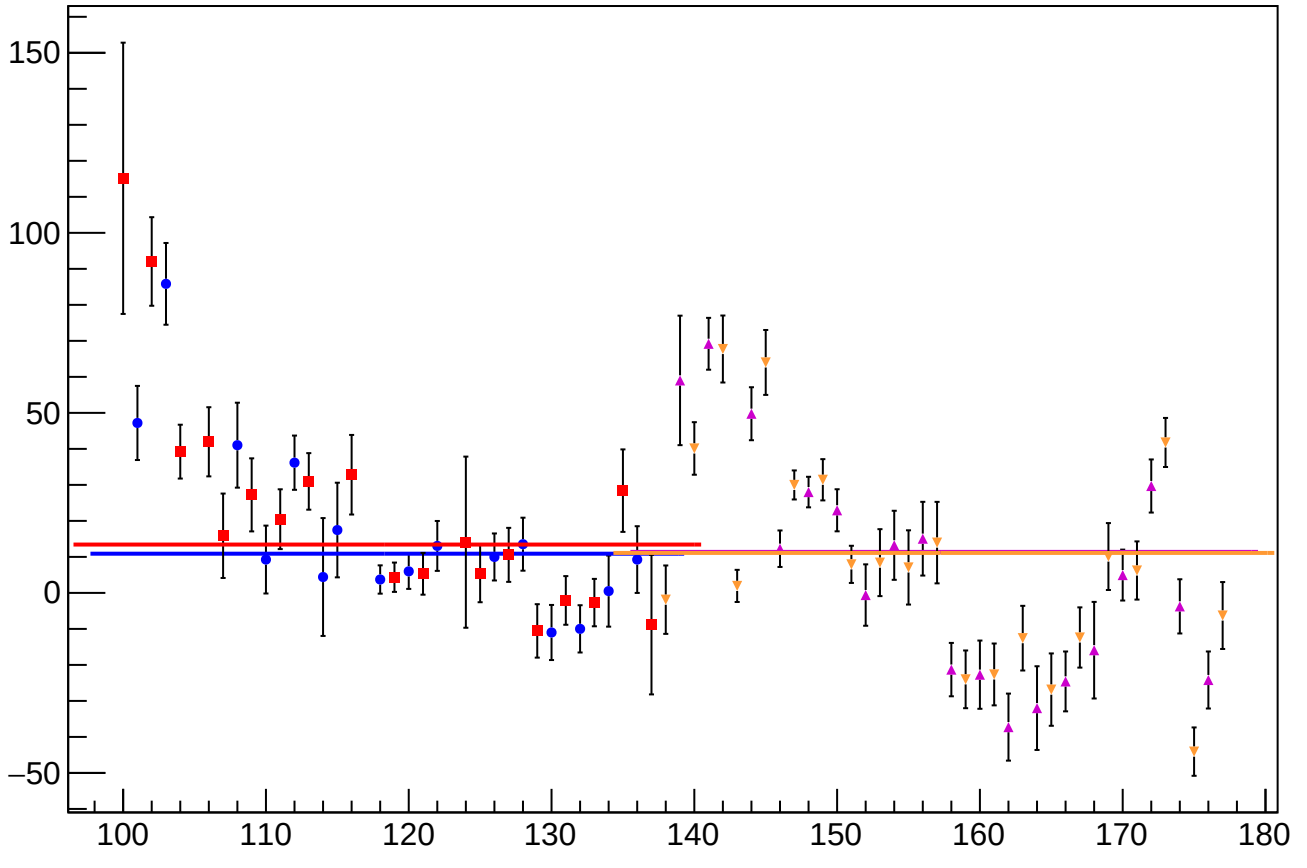
Left: -467.300+/-1.643 χ^2/NDF: 8669.5/39

Right: -344.211+/-1.267 χ^2/NDF: 4066.5/34

In: -405.876+/-1.459 χ^2/NDF:5863.3/34

Out: -375.977+/-1.381 χ^2/NDF:10172.7/39

All: -390.103+/-1.003 χ^2/NDF: 16257.4/74



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 11.104+/-1.562 χ^2/NDF:283.9/20

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

Left In: 11.389+/-1.717 χ^2/NDF:247.8/18

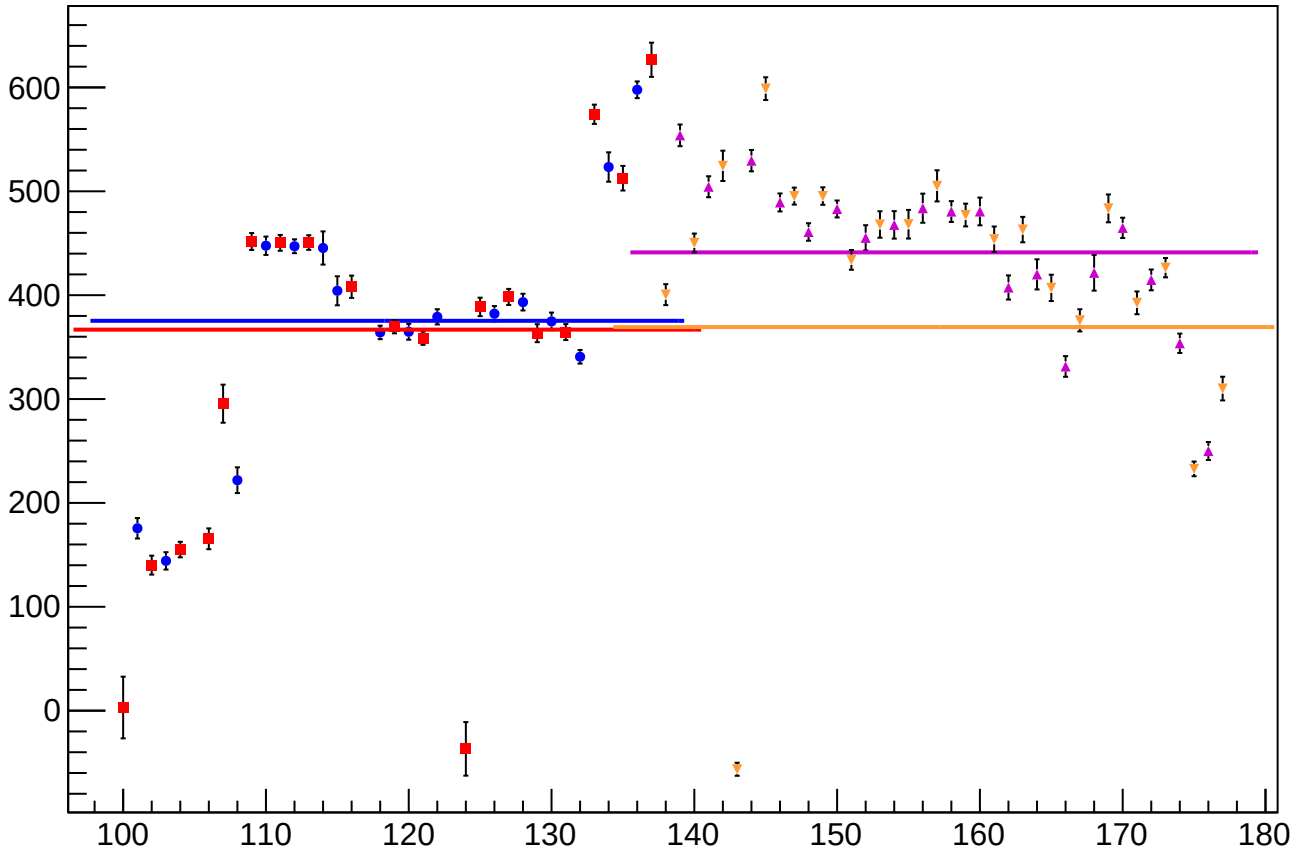
Left: 11.233+/-1.155 χ^2/NDF: 531.7/39

Right: 12.149+/-1.307 χ^2/NDF: 211.6/34

In: 11.156+/-1.256 χ^2/NDF:346.0/34

Out: 12.068+/-1.195 χ^2/NDF:397.3/39

All: 11.635+/-0.866 χ^2/NDF: 743.6/74



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 369.287+/-2.204 χ^2/NDF:6639.8/20

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

Left In: 441.199+/-2.391 χ^2/NDF:1054.2/18

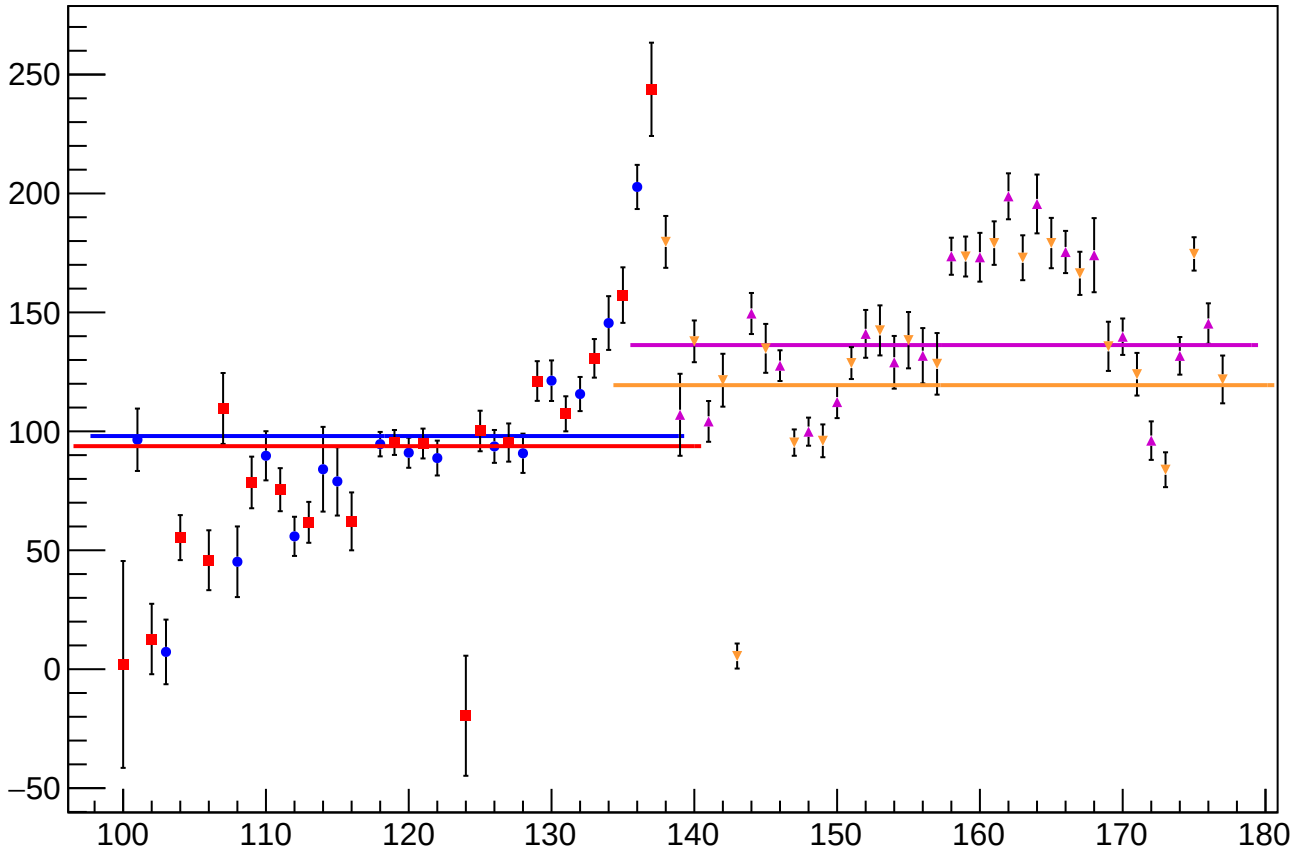
Left: 402.309+/-1.620 χ^2/NDF: 8183.1/39

Right: 370.966+/-1.468 χ^2/NDF: 5998.9/34

In: 404.047+/-1.579 χ^2/NDF:3931.7/34

Out: 367.969+/-1.501 χ^2/NDF:10181.6/39

All: 385.091+/-1.088 χ^2/NDF: 14387.6/74



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 119.415+/-1.819 χ^2/NDF:809.0/20

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

Left In: 136.265+/-1.990 χ^2/NDF:224.8/18

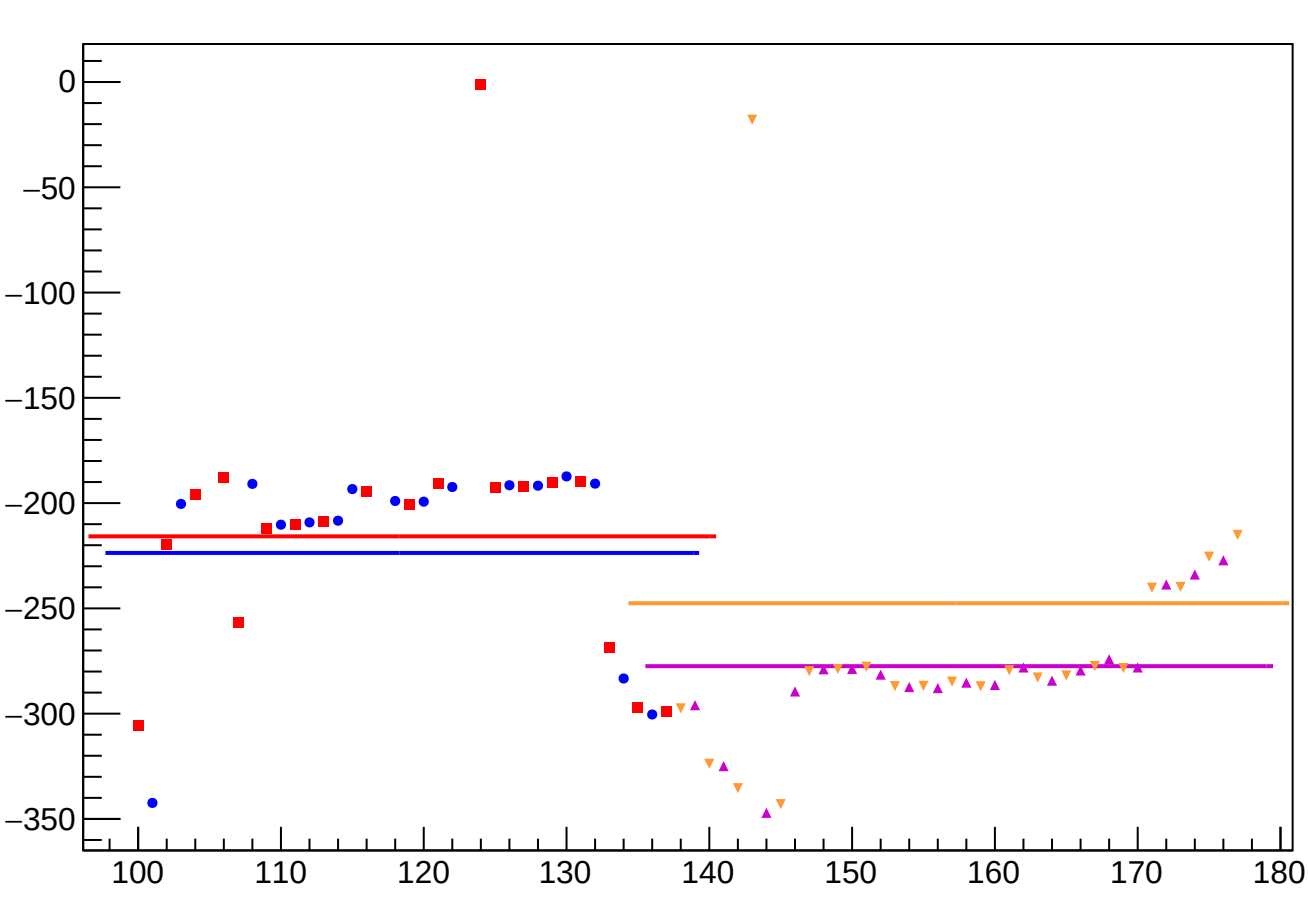
Left: 127.086+/-1.343 χ^2/NDF: 1072.9/39

Right: 95.890+/-1.514 χ^2/NDF: 488.6/34

In: 118.567+/-1.459 χ^2/NDF:645.2/34

Out: 108.649+/-1.386 χ^2/NDF:1129.6/39

All: 113.354+/-1.005 χ^2/NDF: 1799.1/74



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -247.544+/-0.086 χ^2/NDF:985442.7/20

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

Left In: -277.451+/-0.091 χ^2/NDF:90961.0/18

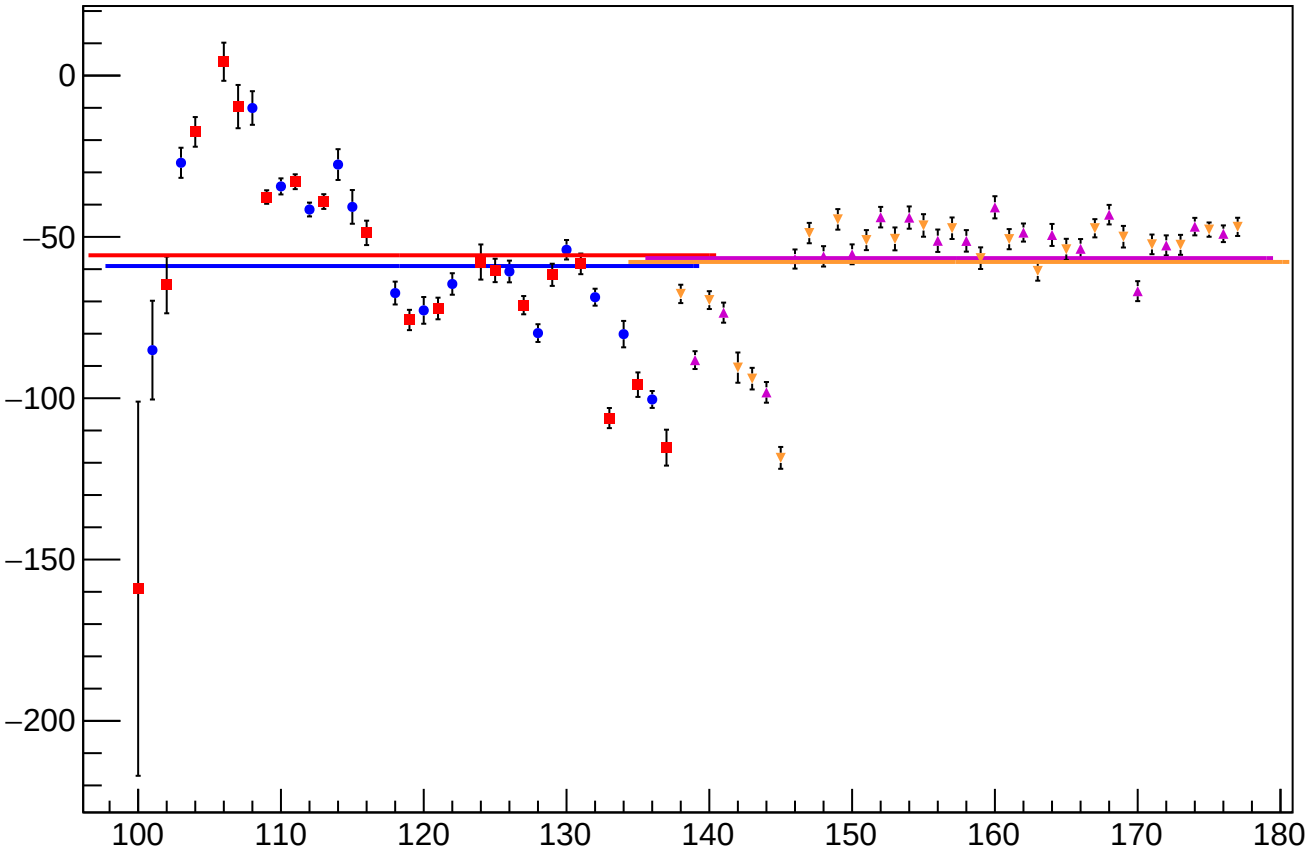
Left: -261.686+/-0.062 χ^2/NDF: 1133941.3/39

Right: -219.617+/-0.096 χ^2/NDF: 204711.3/34

In: -261.317+/-0.076 χ^2/NDF:318383.7/34

Out: -238.352+/-0.072 χ^2/NDF:1106659.9/39

All: -249.296+/-0.052 χ^2/NDF: 1473170.4/74



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -57.762+/-0.677 χ^2/NDF:639.4/20

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

Left In: -56.577+/-0.704 χ^2/NDF:451.5/18

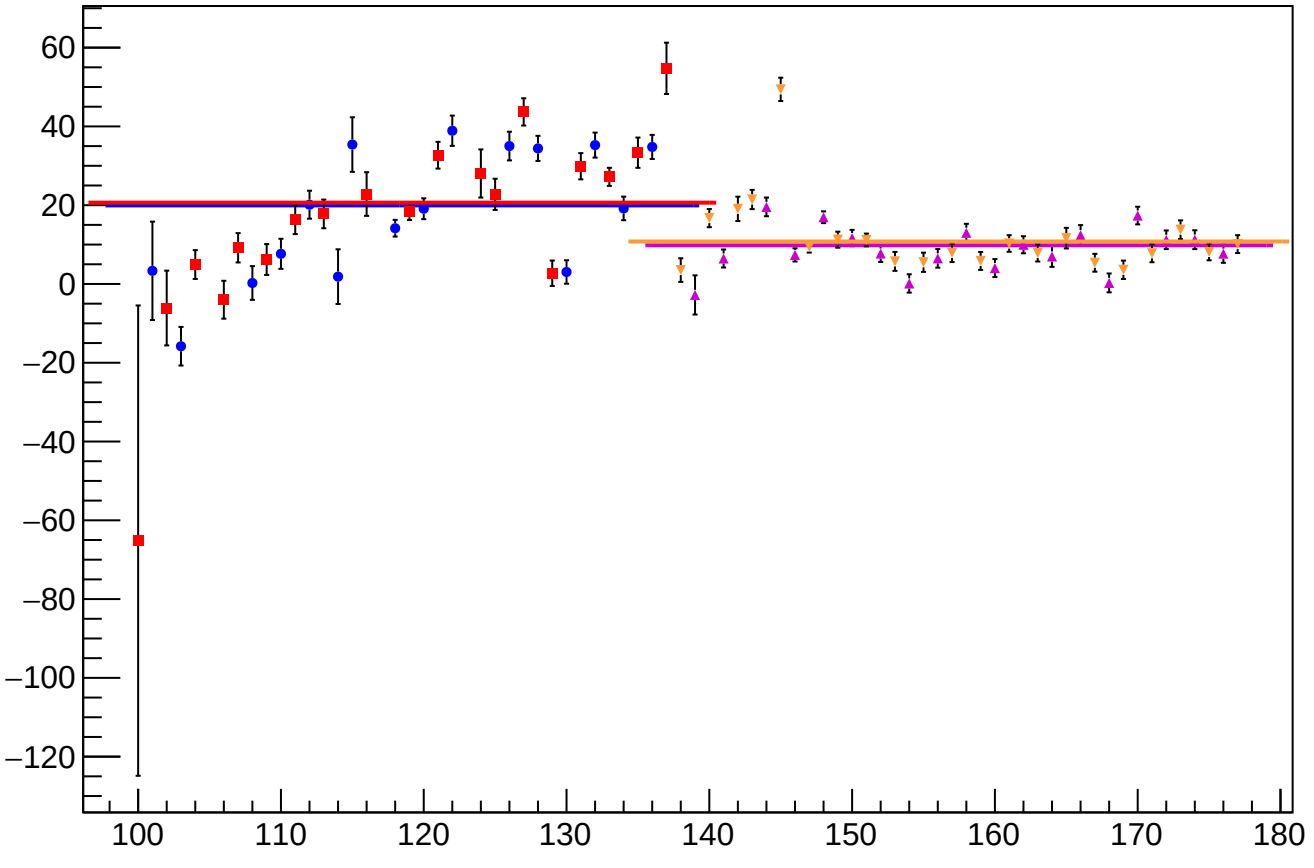
Left: -57.193+/-0.488 χ^2/NDF: 1092.4/39

Right: -57.284+/-0.572 χ^2/NDF: 1776.9/34

In: -57.604+/-0.537 χ^2/NDF:1183.9/34

Out: -56.889+/-0.514 χ^2/NDF:1684.5/39

All: -57.231+/-0.371 χ^2/NDF: 2869.3/74



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 10.777+/-0.485 χ^2/NDF:246.9/20

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

Left In: 9.813+/-0.511 χ^2/NDF:110.5/18

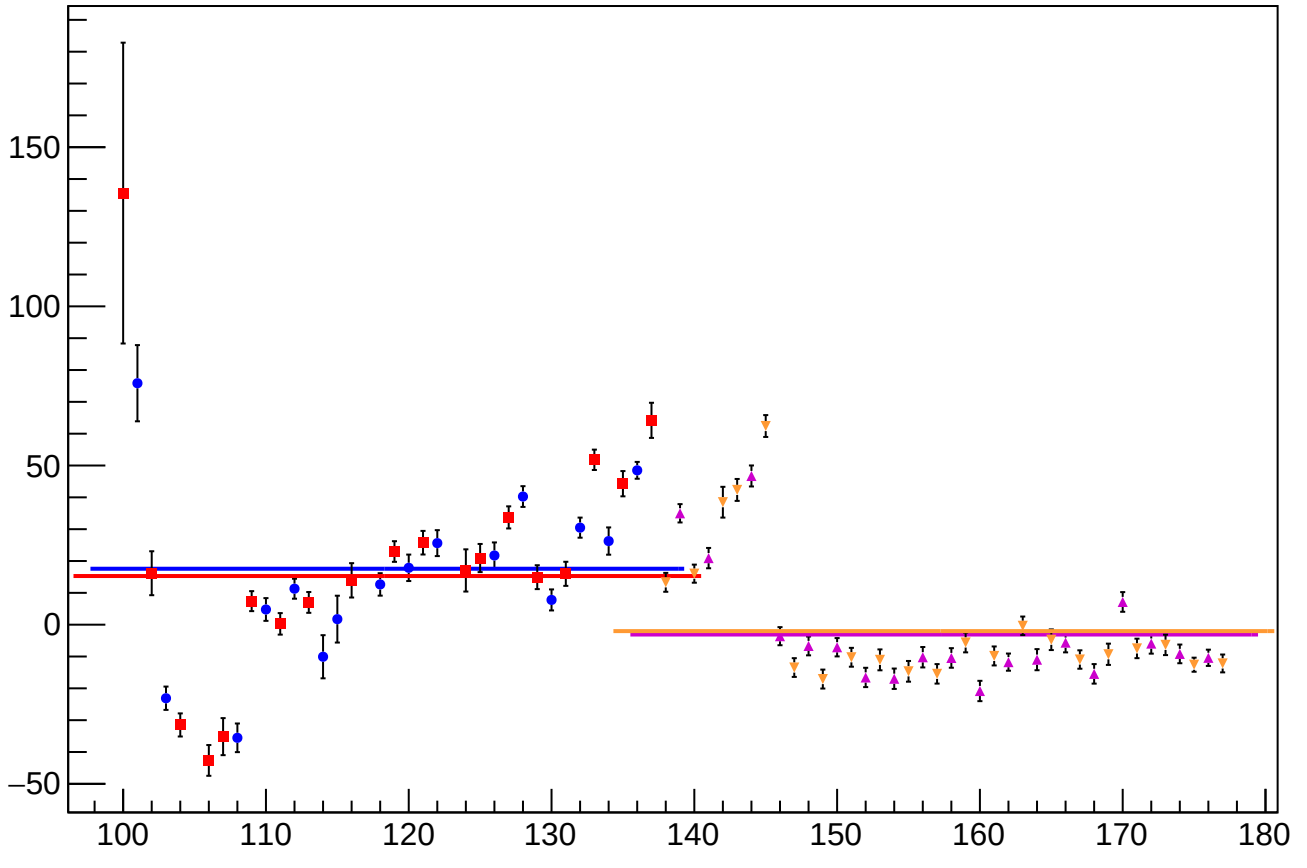
Left: 10.320+/-0.352 χ^2/NDF: 359.3/39

Right: 20.304+/-0.605 χ^2/NDF: 472.3/34

In: 12.424+/-0.440 χ^2/NDF:459.0/34

Out: 13.228+/-0.421 χ^2/NDF:574.4/39

All: 12.844+/-0.304 χ^2/NDF: 1035.2/74



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: -2.021+/-0.665 χ^2/NDF:809.4/20

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

Left In: -3.093+/-0.691 χ^2/NDF:600.2/18

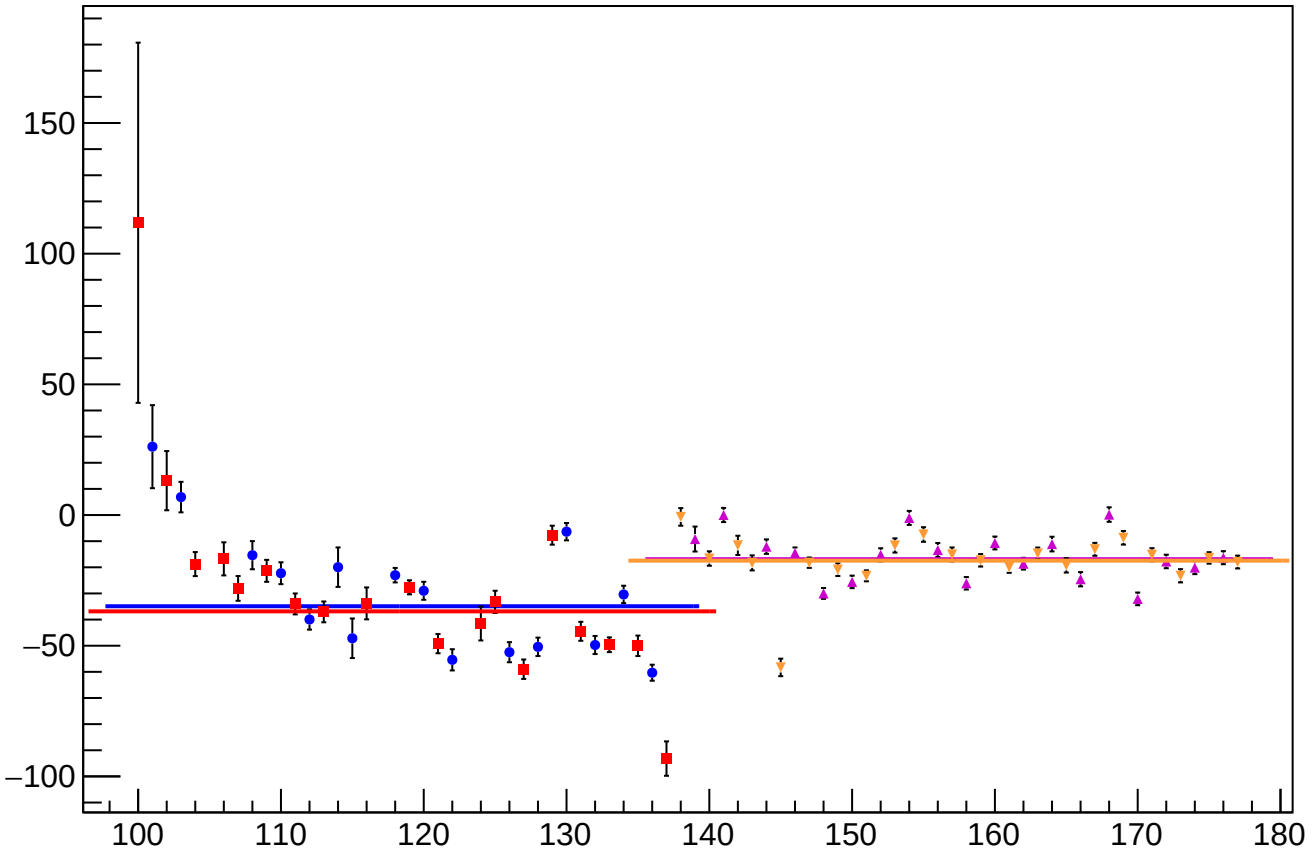
Left: -2.536+/-0.479 χ^2/NDF: 1410.8/39

Right: 16.401+/-0.668 χ^2/NDF: 1279.2/34

In: 3.999+/-0.560 χ^2/NDF:1453.0/34

Out: 3.803+/-0.542 χ^2/NDF:1767.2/39

All: 3.898+/-0.390 χ^2/NDF: 3220.2/74



Right In: -34.899+/-0.990 χ^2/NDF: 346.6/15

Left Out: -17.445+/-0.555 χ^2/NDF:227.2/20

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

Left In: -16.888+/-0.584 χ^2/NDF:247.7/18

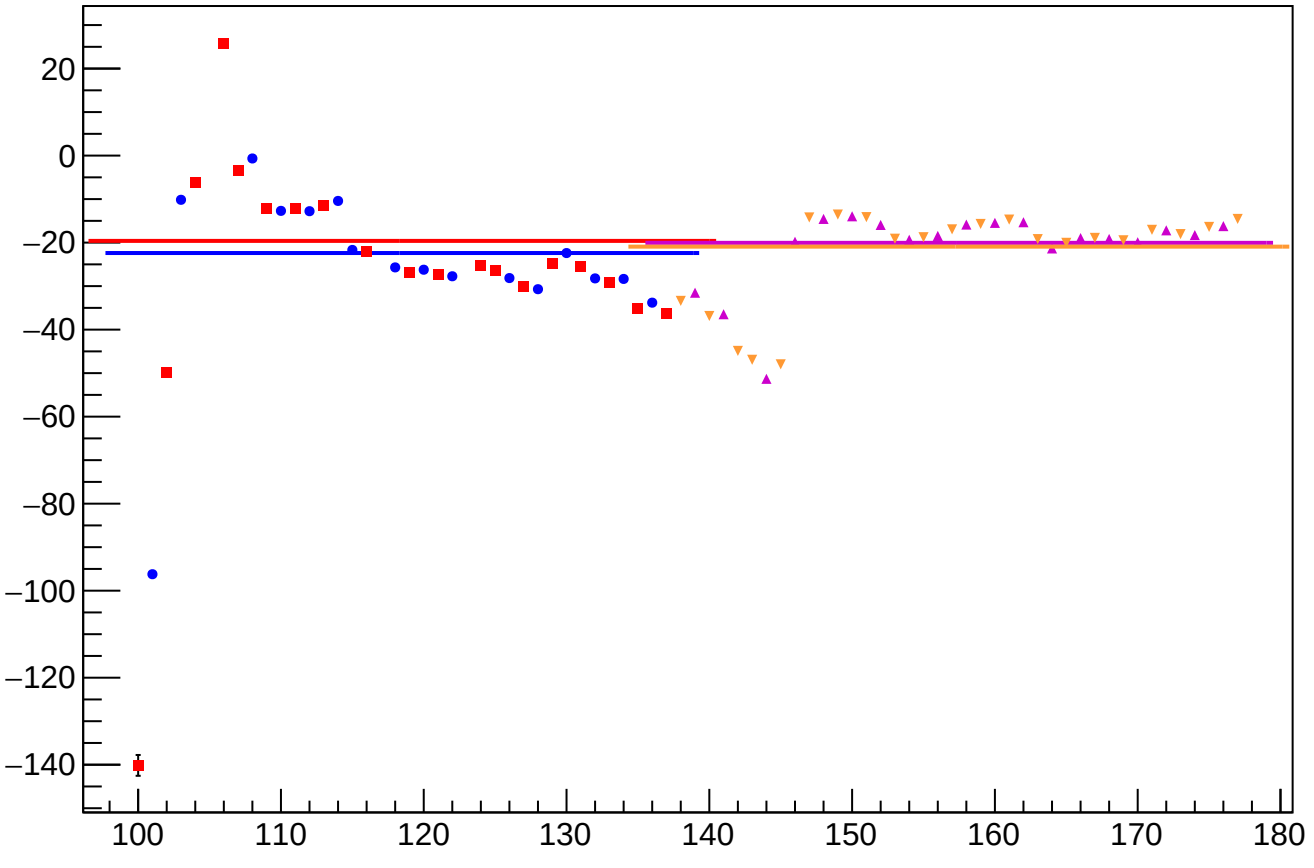
Left: -17.181+/-0.402 χ^2/NDF: 475.3/39

Right: -35.897+/-0.693 χ^2/NDF: 650.0/34

In: -21.533+/-0.503 χ^2/NDF:839.8/34

Out: -22.236+/-0.482 χ^2/NDF:830.4/39

All: -21.900+/-0.348 χ^2/NDF: 1671.2/74



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -20.926+/-0.025 χ^2/NDF:141615.9/20

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

Left In: -20.054+/-0.026 χ^2/NDF:87843.3/18

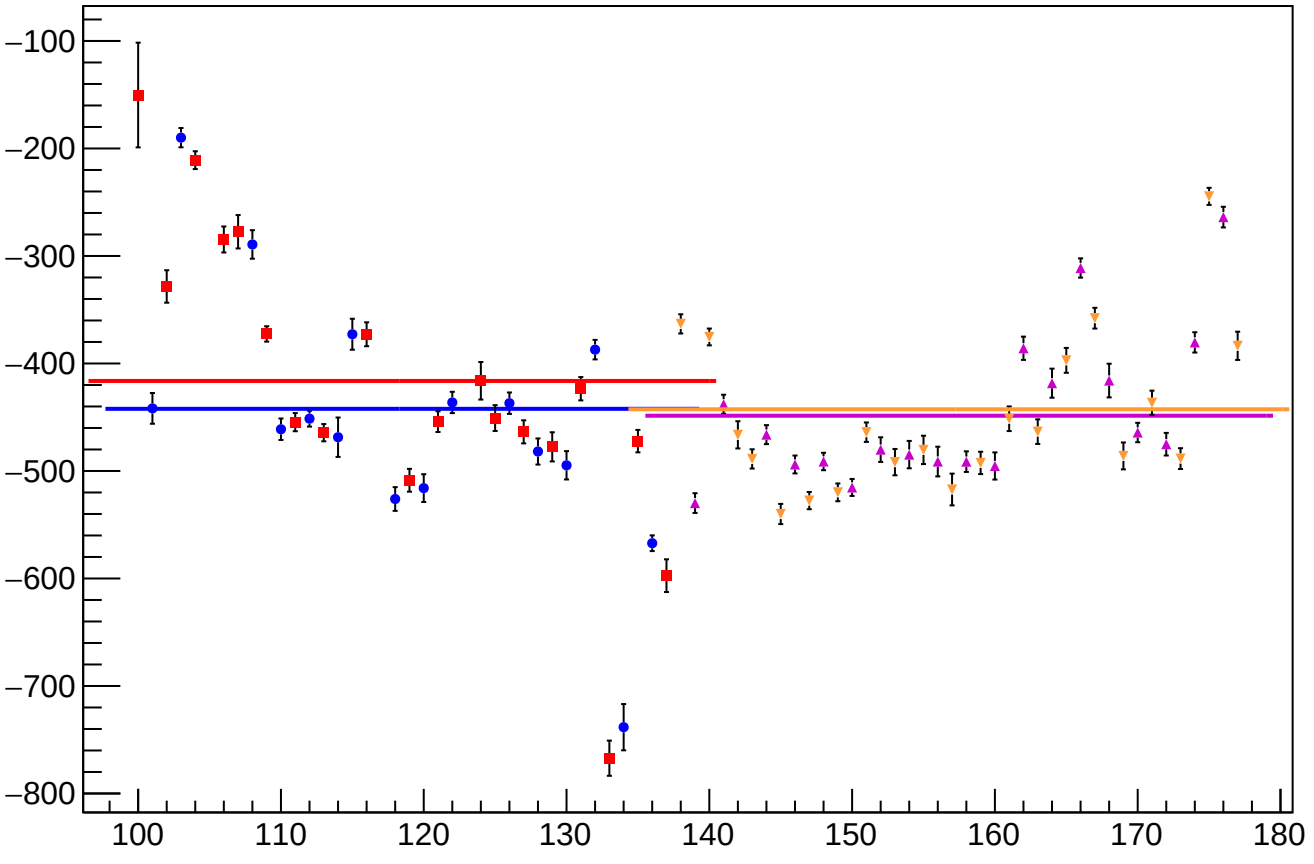
Left: -20.500+/-0.018 χ^2/NDF: 230051.1/39

Right: -21.027+/-0.042 χ^2/NDF: 131507.1/34

In: -20.433+/-0.023 χ^2/NDF:135713.1/34

Out: -20.727+/-0.023 χ^2/NDF:225900.8/39

All: -20.582+/-0.016 χ^2/NDF: 361693.6/74



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -442.632+/-2.196 χ^2/NDF:1340.6/20

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

Left In: -448.583+/-2.275 χ^2/NDF:979.5/18

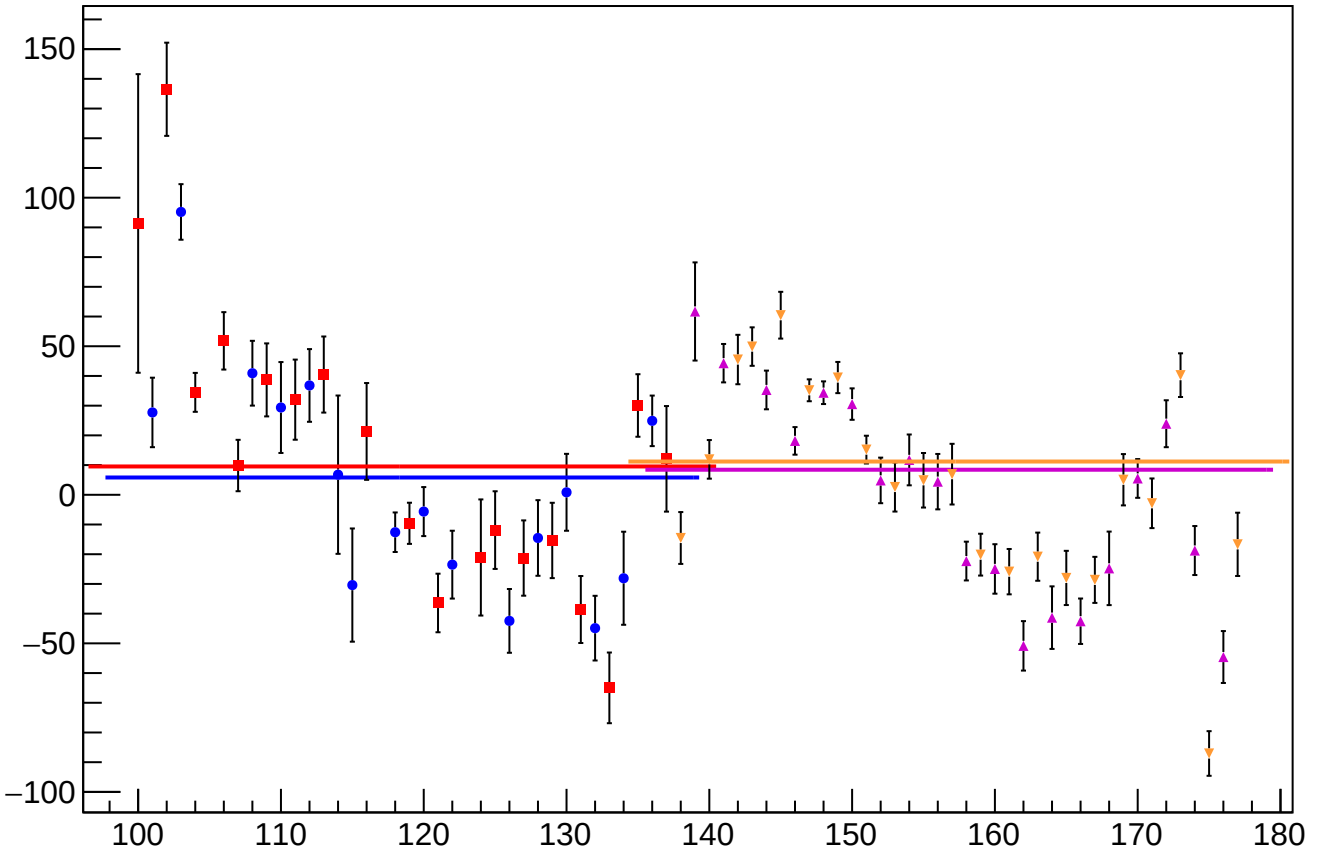
Left: -445.501+/-1.580 χ^2/NDF: 2323.7/39

Right: -428.429+/-1.837 χ^2/NDF: 3392.5/34

In: -445.904+/-1.735 χ^2/NDF:2571.9/34

Out: -431.265+/-1.656 χ^2/NDF:3156.6/39

All: -438.244+/-1.198 χ^2/NDF: 5765.8/74



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 11.198+/-1.513 χ^2/NDF:475.1/20

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

Left In: 8.436+/-1.588 χ^2/NDF:356.7/18

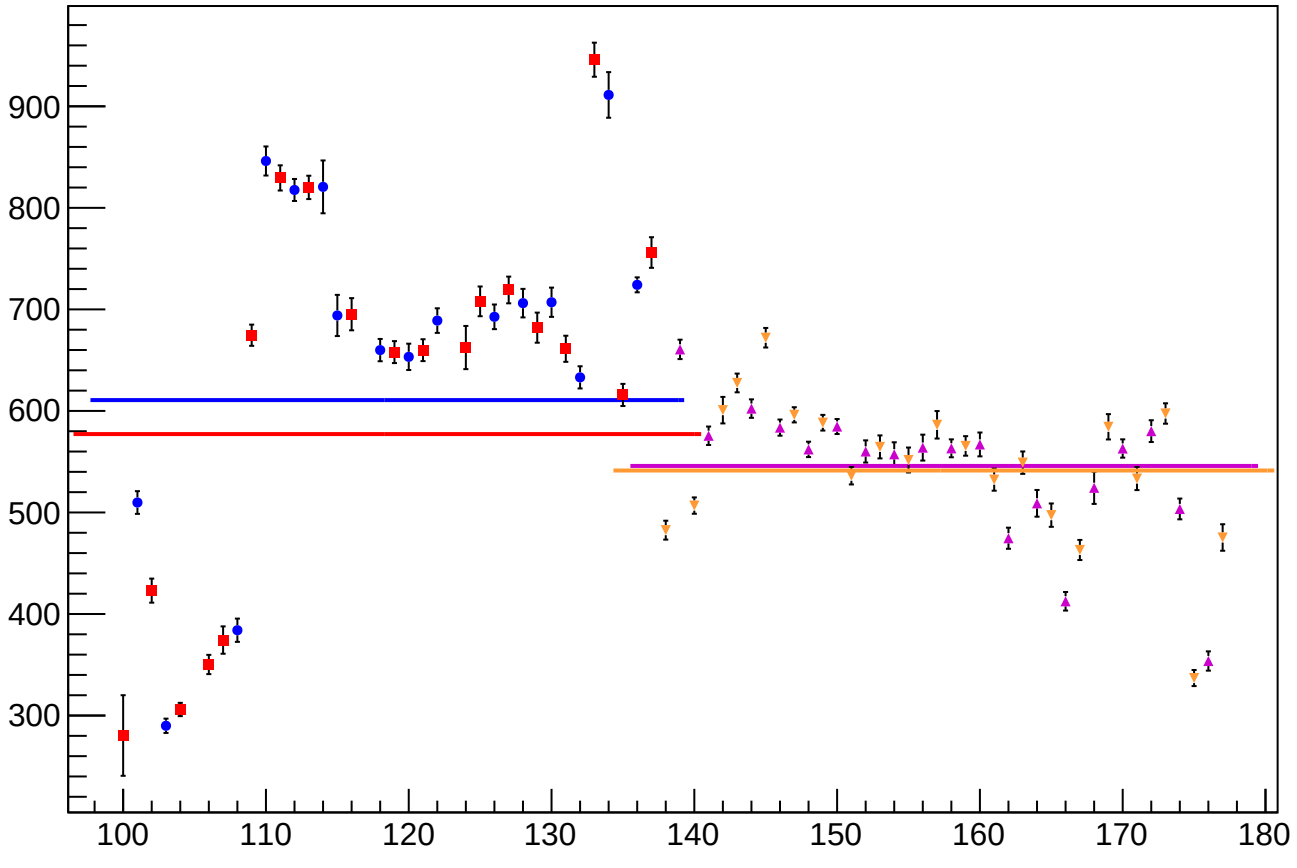
Left: 9.884+/-1.095 χ^2/NDF: 833.4/39

Right: 7.800+/-1.865 χ^2/NDF: 411.3/34

In: 7.775+/-1.373 χ^2/NDF:545.5/34

Out: 10.766+/-1.302 χ^2/NDF:697.6/39

All: 9.349+/-0.945 χ^2/NDF: 1245.6/74



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 541.327+/-2.159 χ^2/NDF:1277.4/20

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

Left In: 545.832+/-2.230 χ^2/NDF:969.6/18

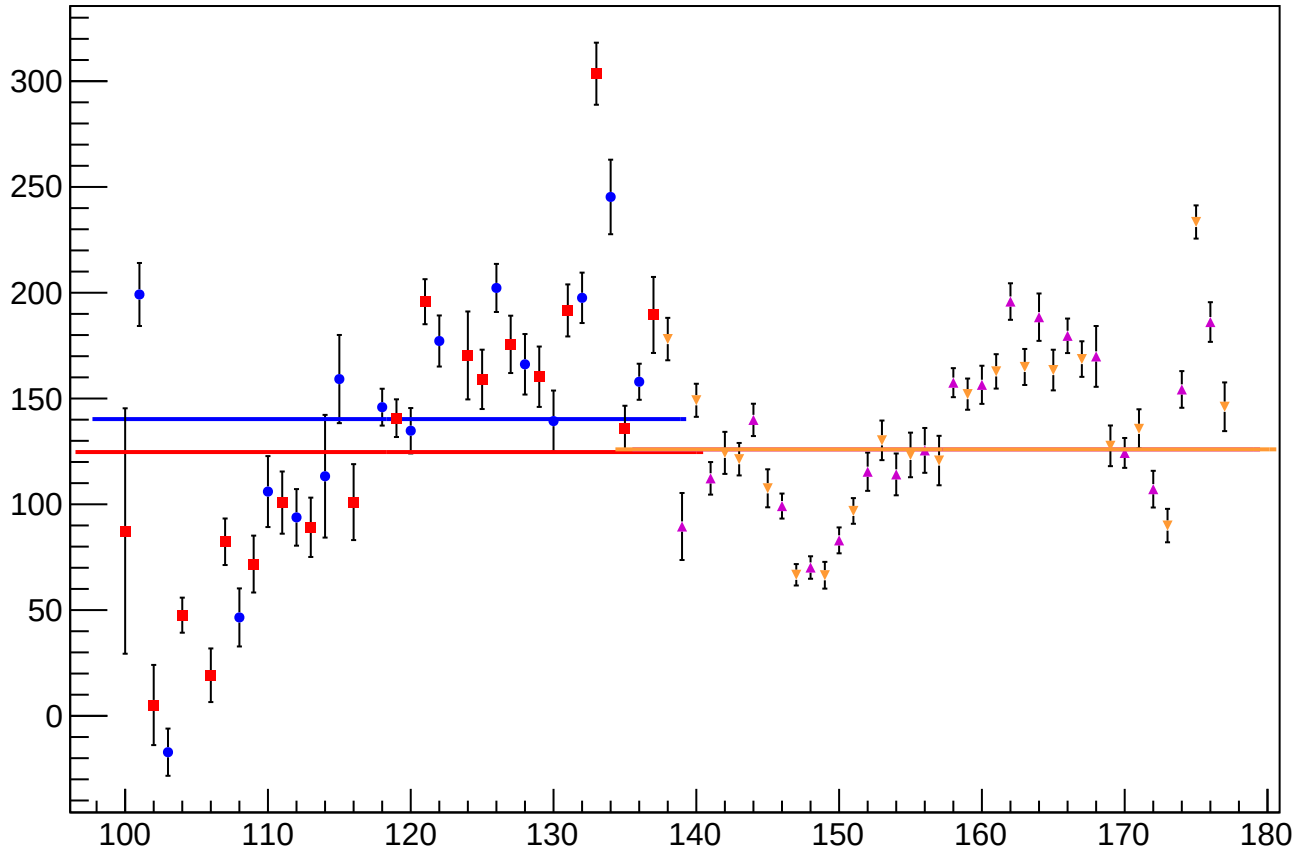
Left: 543.506+/-1.551 χ^2/NDF: 2249.1/39

Right: 593.122+/-1.995 χ^2/NDF: 8763.0/34

In: 570.009+/-1.766 χ^2/NDF:5177.2/34

Out: 554.977+/-1.699 χ^2/NDF:6182.8/39

All: 562.203+/-1.225 χ^2/NDF: 11397.6/74



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 125.975+/-1.770 χ^2/NDF:597.2/20

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

Left In: 125.940+/-1.848 χ^2/NDF:433.4/18

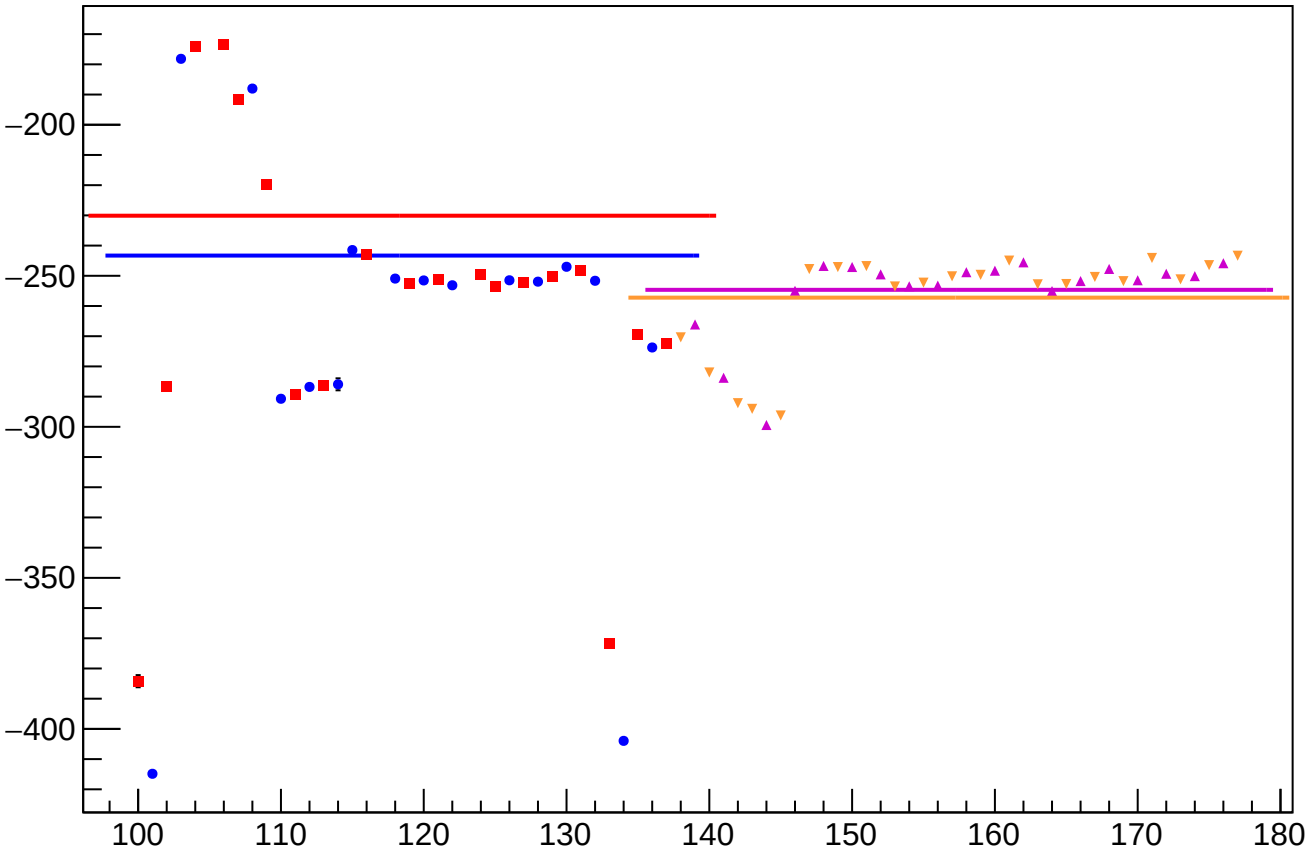
Left: 125.958+/-1.278 χ^2/NDF: 1030.6/39

Right: 132.049+/-2.165 χ^2/NDF: 906.8/34

In: 129.609+/-1.594 χ^2/NDF:834.2/34

Out: 125.641+/-1.521 χ^2/NDF:1105.8/39

All: 127.533+/-1.101 χ^2/NDF: 1943.3/74



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -257.232+/-0.083 χ^2/NDF:38494.2/20

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

Left In: -254.647+/-0.085 χ^2/NDF:23134.1/18

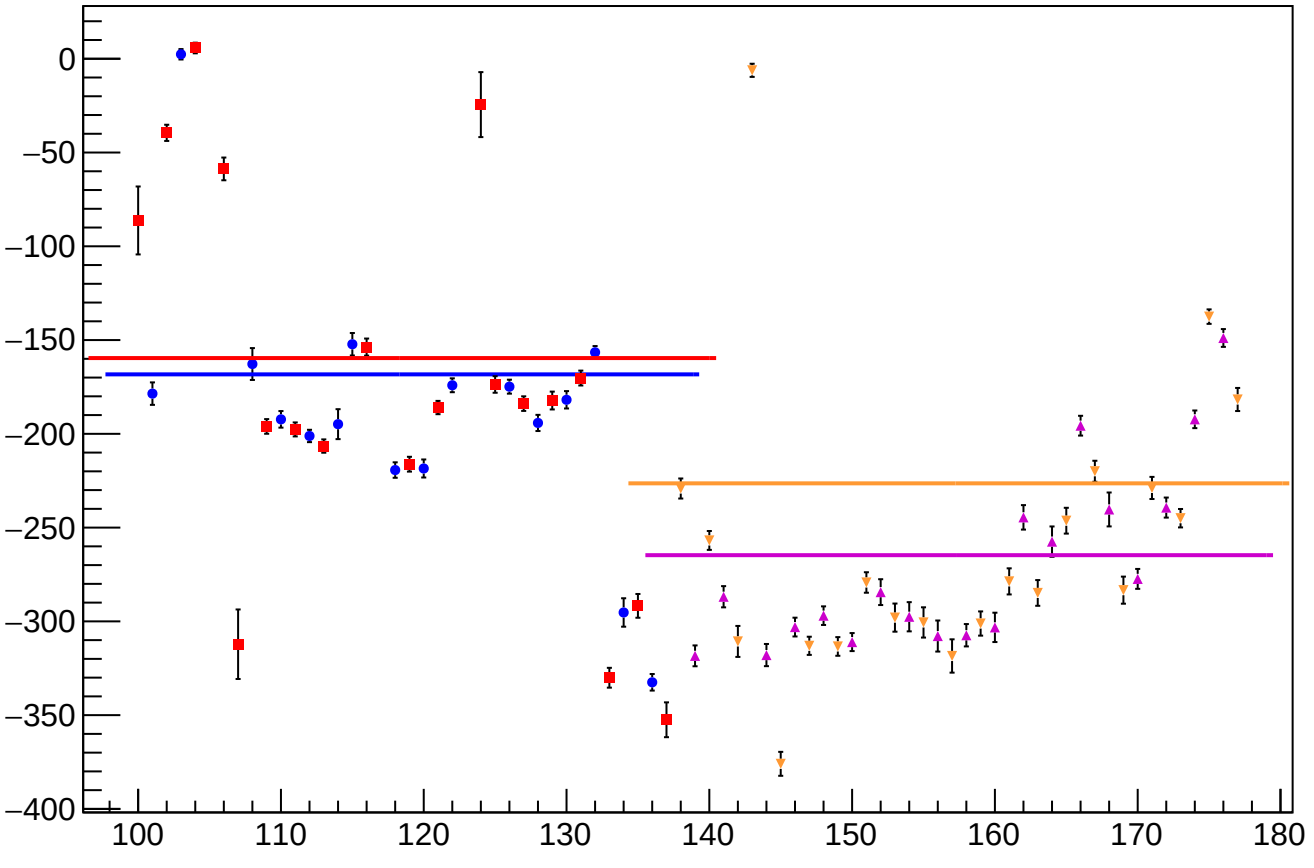
Left: -255.956+/-0.059 χ^2/NDF: 62101.8/39

Right: -236.496+/-0.113 χ^2/NDF: 279343.3/34

In: -252.232+/-0.075 χ^2/NDF:200453.3/34

Out: -251.276+/-0.074 χ^2/NDF:164127.7/39

All: -251.746+/-0.053 χ^2/NDF: 364663.7/74



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -226.401+/-1.232 χ^2/NDF:6562.1/20

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

Left In: -264.703+/-1.337 χ^2/NDF:1561.1/18

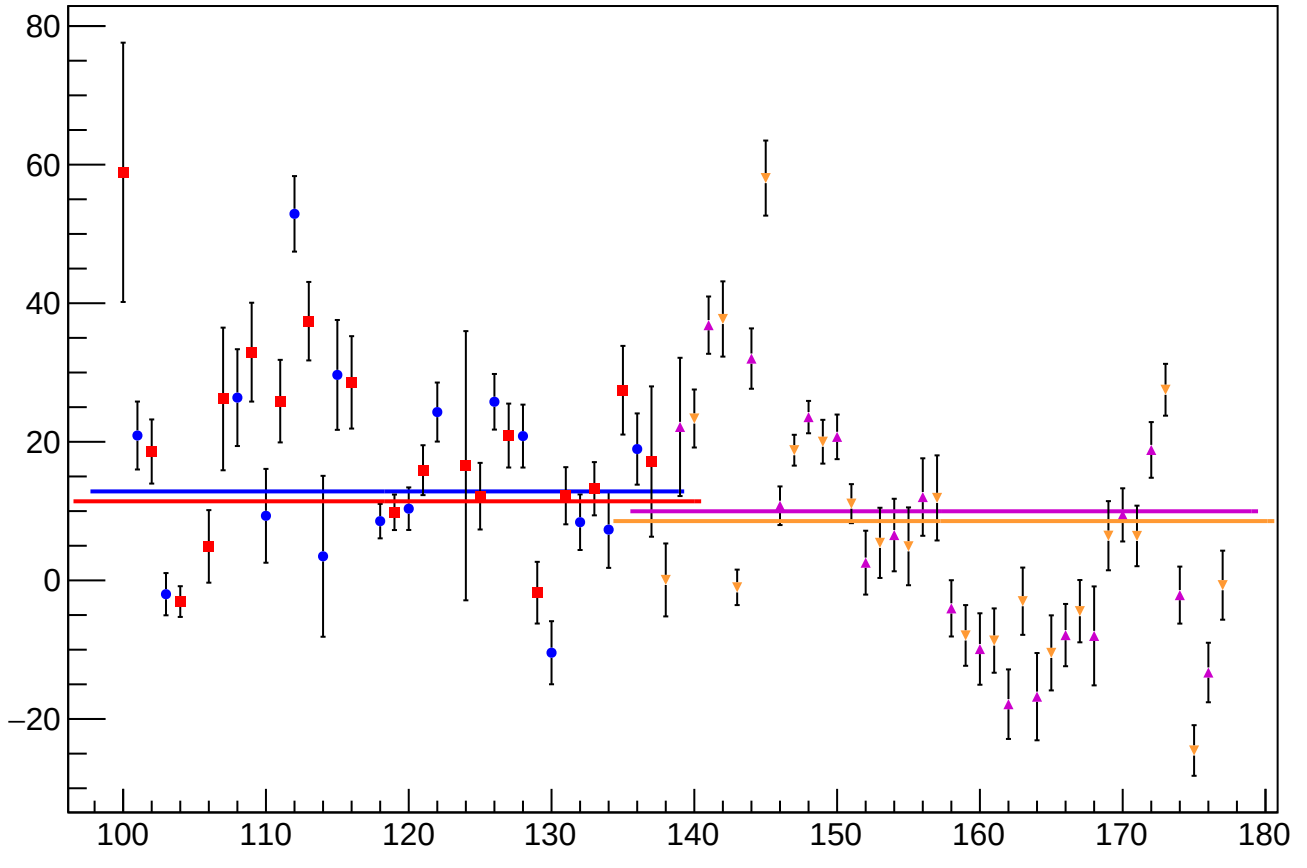
Left: -243.993+/-0.906 χ^2/NDF: 8567.1/39

Right: -163.809+/-0.749 χ^2/NDF: 13139.1/34

In: -206.186+/-0.838 χ^2/NDF:10625.7/34

Out: -187.467+/-0.796 χ^2/NDF:15473.2/39

All: -196.342+/-0.577 χ^2/NDF: 26361.3/74



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 8.557+/-0.863 χ^2/NDF:343.6/20

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

Left In: 9.974+/-0.945 χ^2/NDF:258.1/18

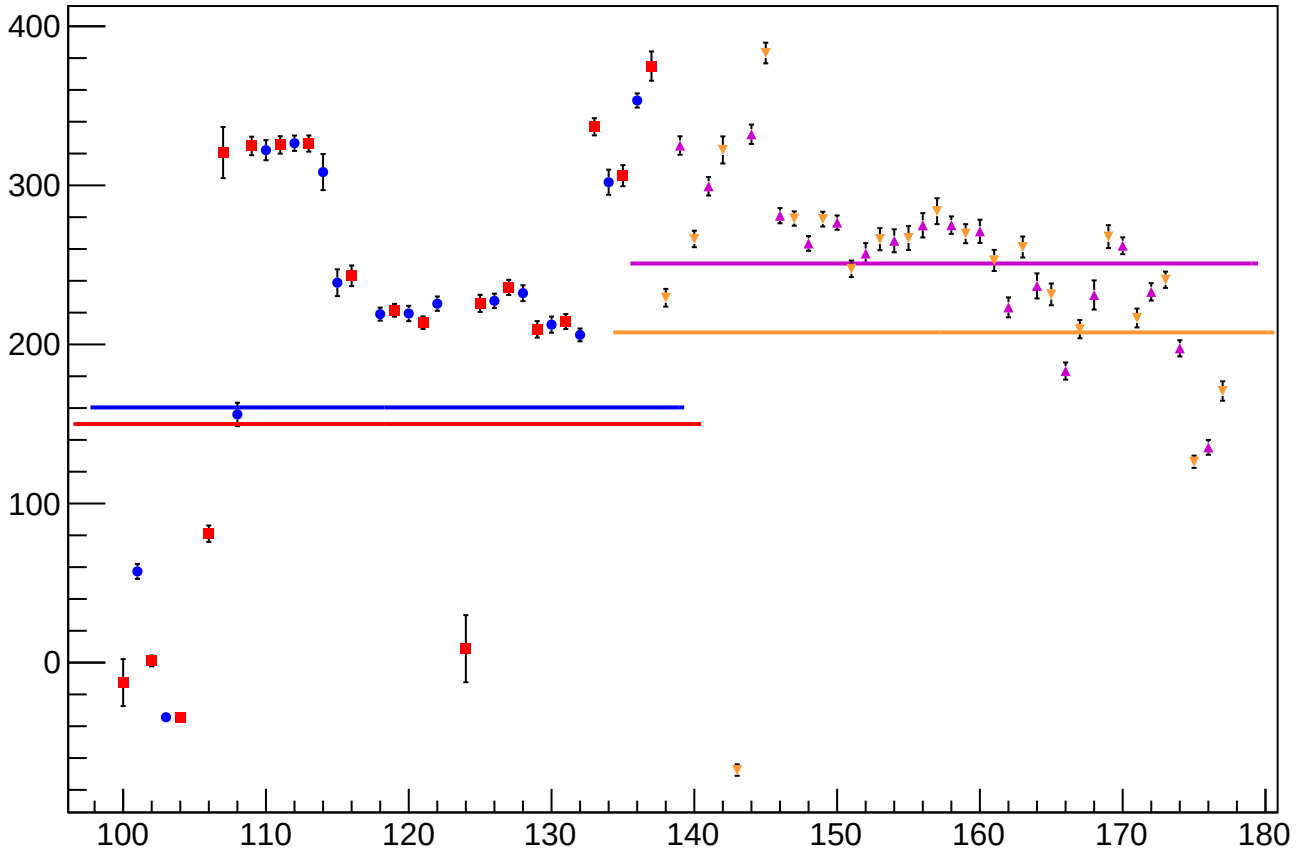
Left: 9.202+/-0.637 χ^2/NDF: 603.0/39

Right: 12.100+/-0.746 χ^2/NDF: 264.2/34

In: 11.221+/-0.710 χ^2/NDF:405.8/34

Out: 9.728+/-0.663 χ^2/NDF:467.7/39

All: 10.423+/-0.485 χ^2/NDF: 875.9/74



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 207.573+/-1.217 χ^2/NDF:8457.4/20

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

Left In: 250.883+/-1.314 χ^2/NDF:1450.3/18

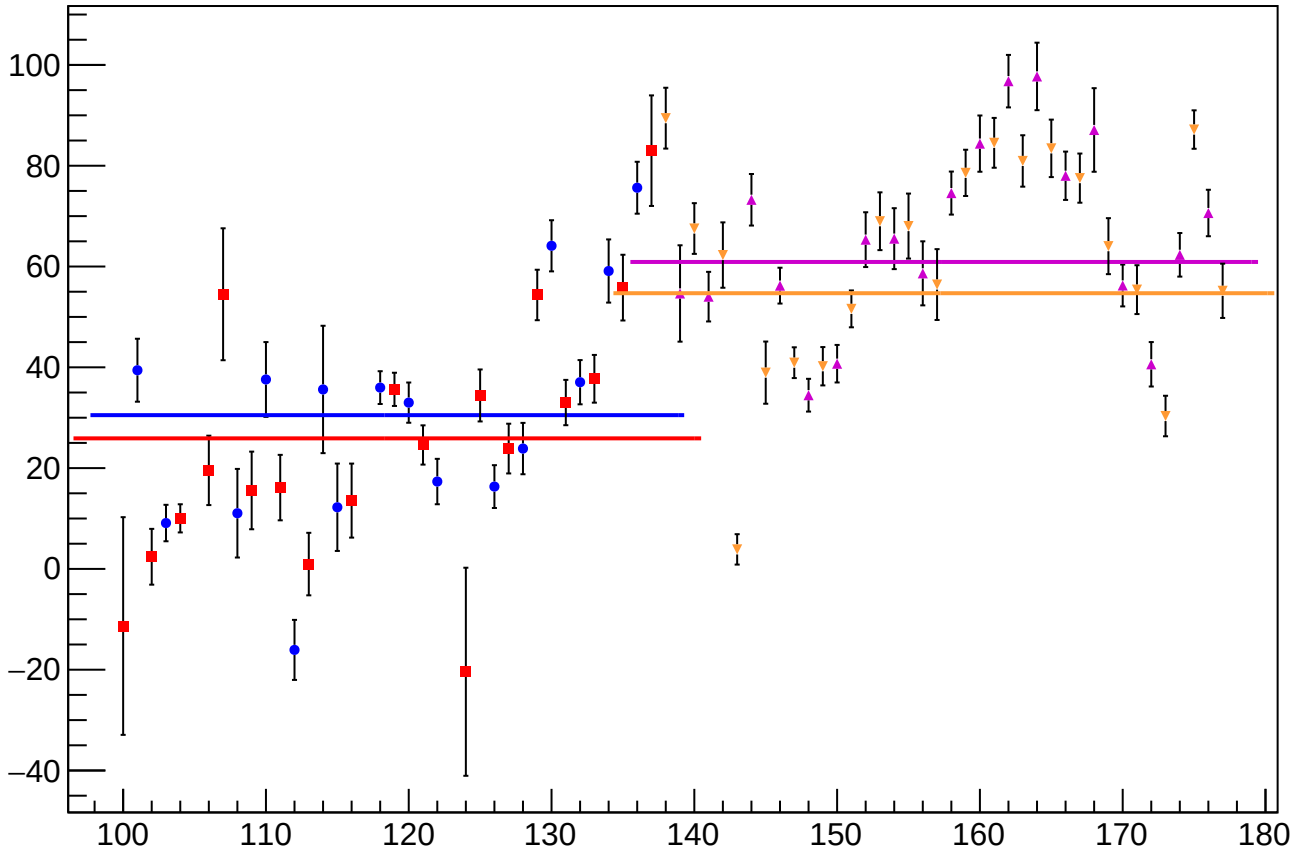
Left: 227.560+/-0.893 χ^2/NDF: 10492.2/39

Right: 155.041+/-0.794 χ^2/NDF: 30258.1/34

In: 199.207+/-0.861 χ^2/NDF:18106.0/34

Out: 176.050+/-0.819 χ^2/NDF:25948.7/39

All: 187.049+/-0.593 χ^2/NDF: 44434.7/74



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 54.704+/-1.004 χ^2/NDF:626.9/20

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

Left In: 60.906+/-1.093 χ^2/NDF:262.2/18

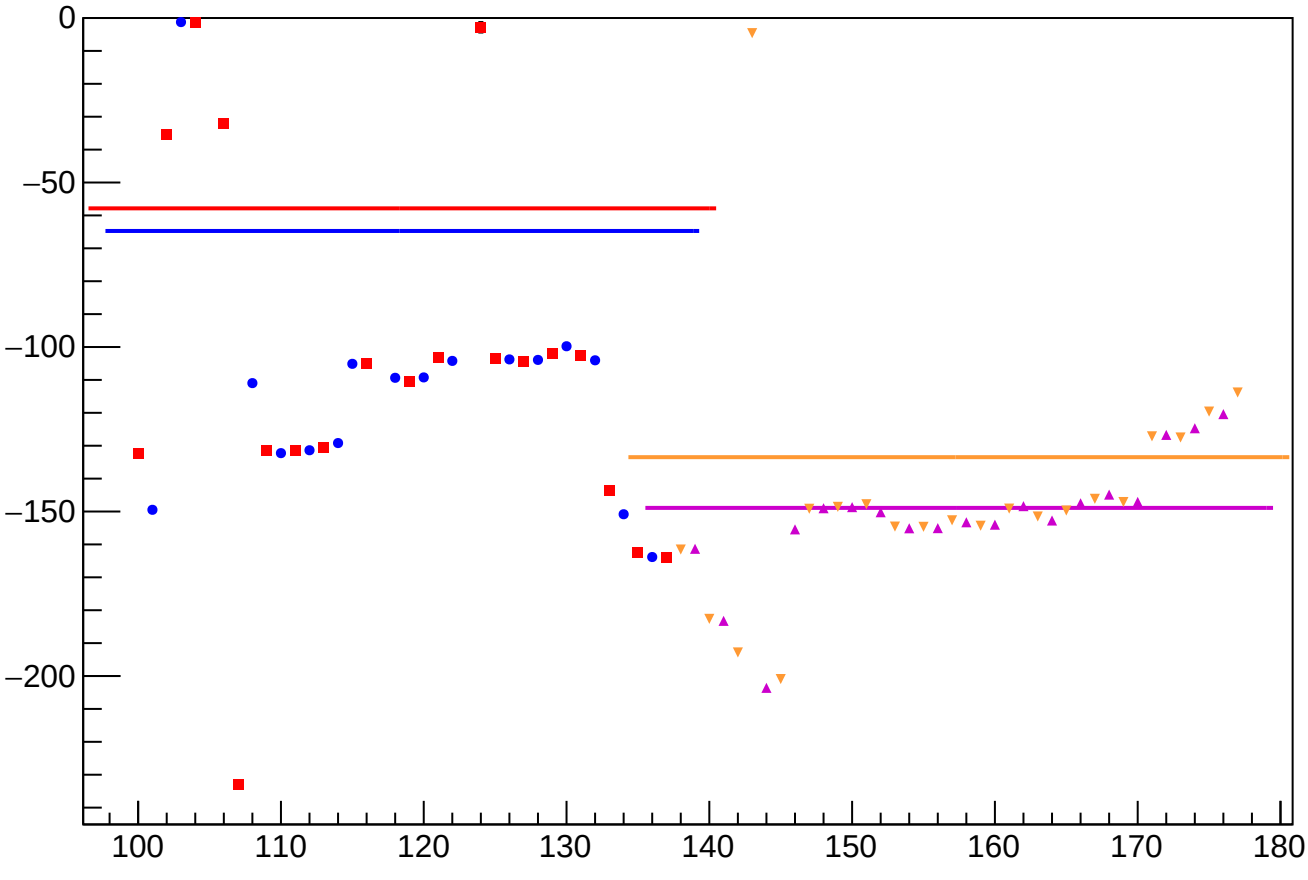
Left: 57.541+/-0.739 χ^2/NDF: 906.5/39

Right: 28.129+/-0.872 χ^2/NDF: 471.7/34

In: 47.783+/-0.824 χ^2/NDF:872.7/34

Out: 42.998+/-0.773 χ^2/NDF:1149.3/39

All: 45.238+/-0.564 χ^2/NDF: 2039.9/74



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -133.482+/-0.047 χ^2/NDF:981791.5/20

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

Left In: -148.897+/-0.050 χ^2/NDF:121165.4/18

Left: -140.802+/-0.034 χ^2/NDF: 1153566.1/39

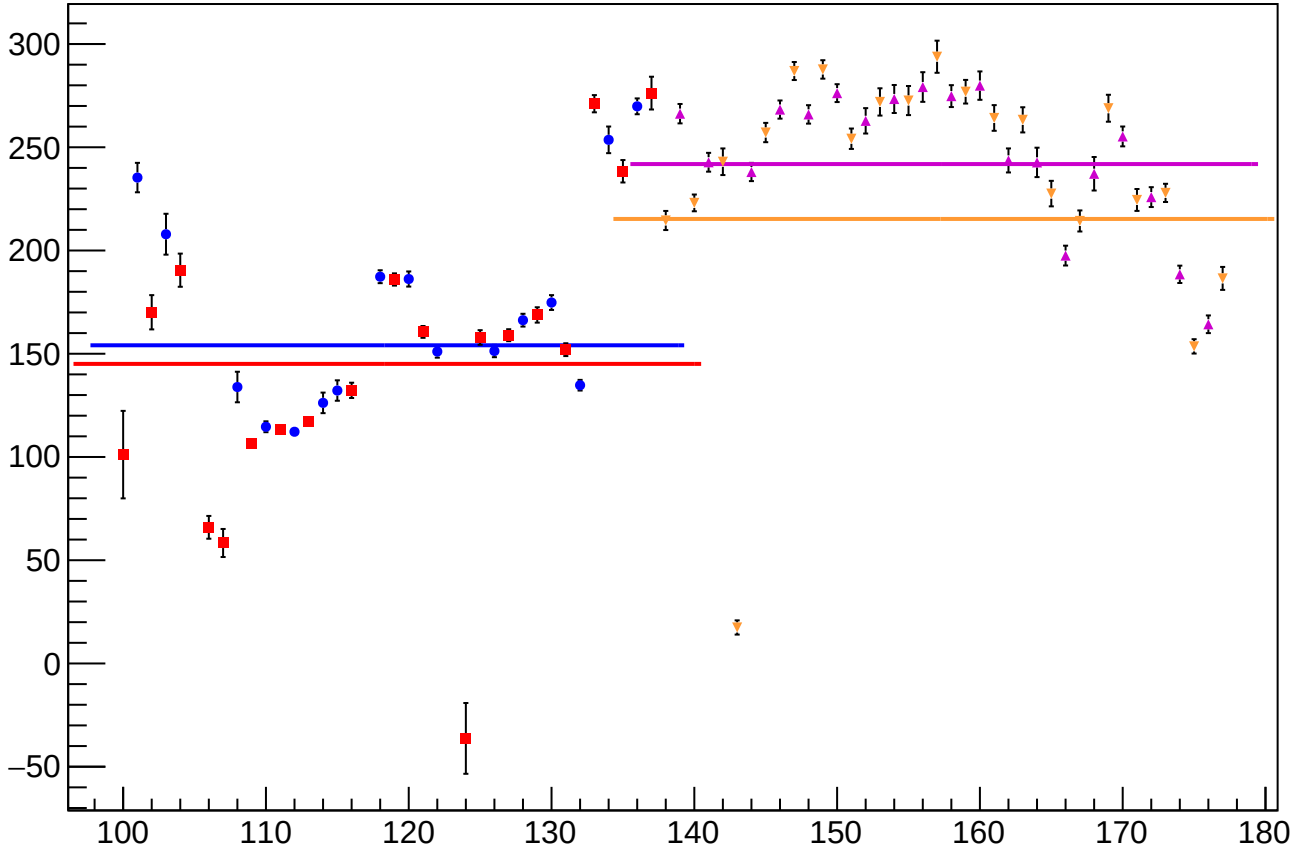
Right: -61.201+/-0.045 χ^2/NDF: 1926190.0/34

In: -117.139+/-0.039 χ^2/NDF:2249708.1/34

Out: -105.802+/-0.038 χ^2/NDF:2796375.9/39

All: -111.237+/-0.027 χ^2/NDF: 5089665.4/74

reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 215.287+/-1.092 χ^2/NDF:4901.3/20

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

Left In: 241.864+/-1.170 χ^2/NDF:879.3/18

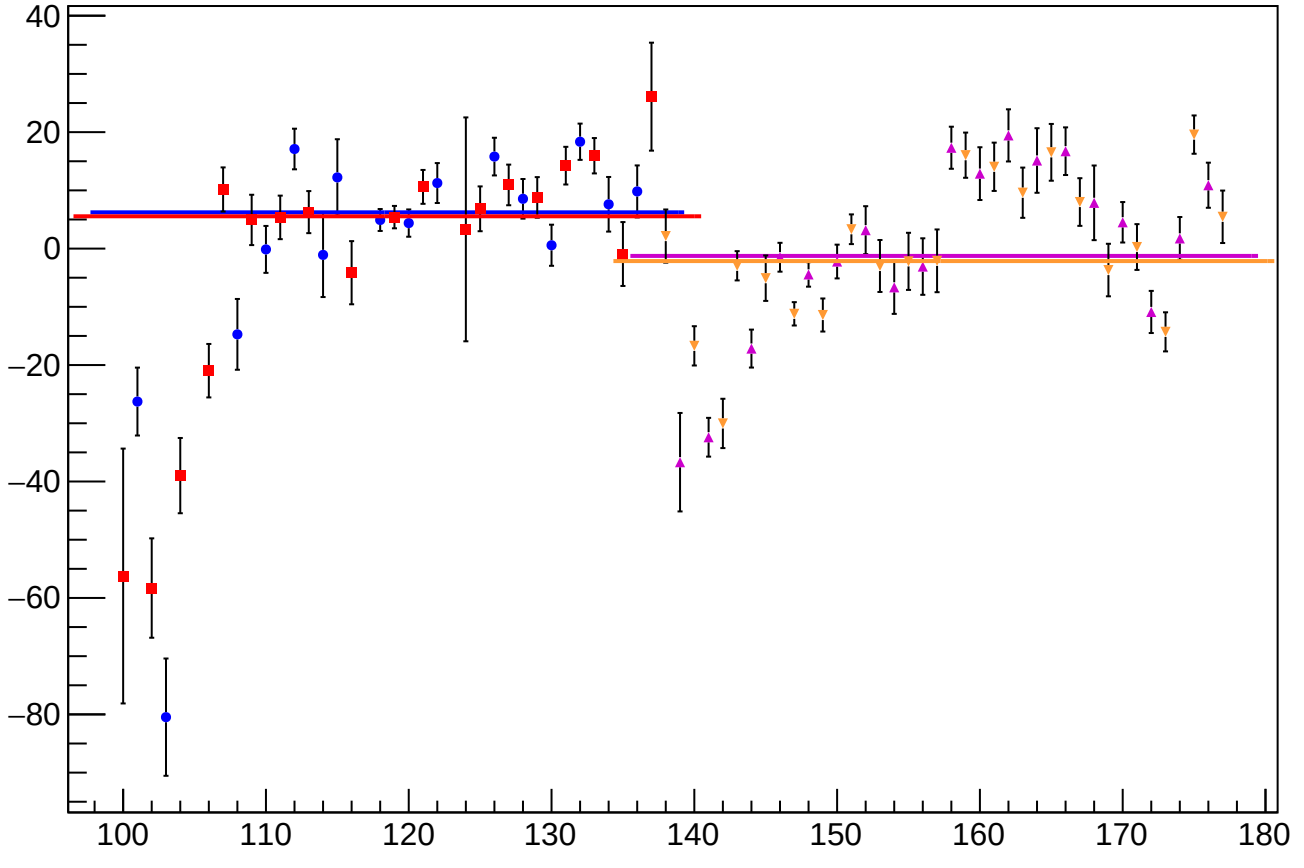
Left: 227.658+/-0.799 χ^2/NDF: 6056.3/39

Right: 149.361+/-0.599 χ^2/NDF: 5296.0/34

In: 185.290+/-0.698 χ^2/NDF:6785.0/34

Out: 170.625+/-0.659 χ^2/NDF:10487.7/39

All: 177.537+/-0.479 χ^2/NDF: 17506.2/74



Right In: 6.229+/-0.890 χ^2/NDF: 162.1/15

Left Out: -2.144+/-0.769 χ^2/NDF:224.7/20

Right Out: 5.548+/-0.889 χ^2/NDF: 181.1/18

Left In: -1.257+/-0.831 χ^2/NDF:241.9/18

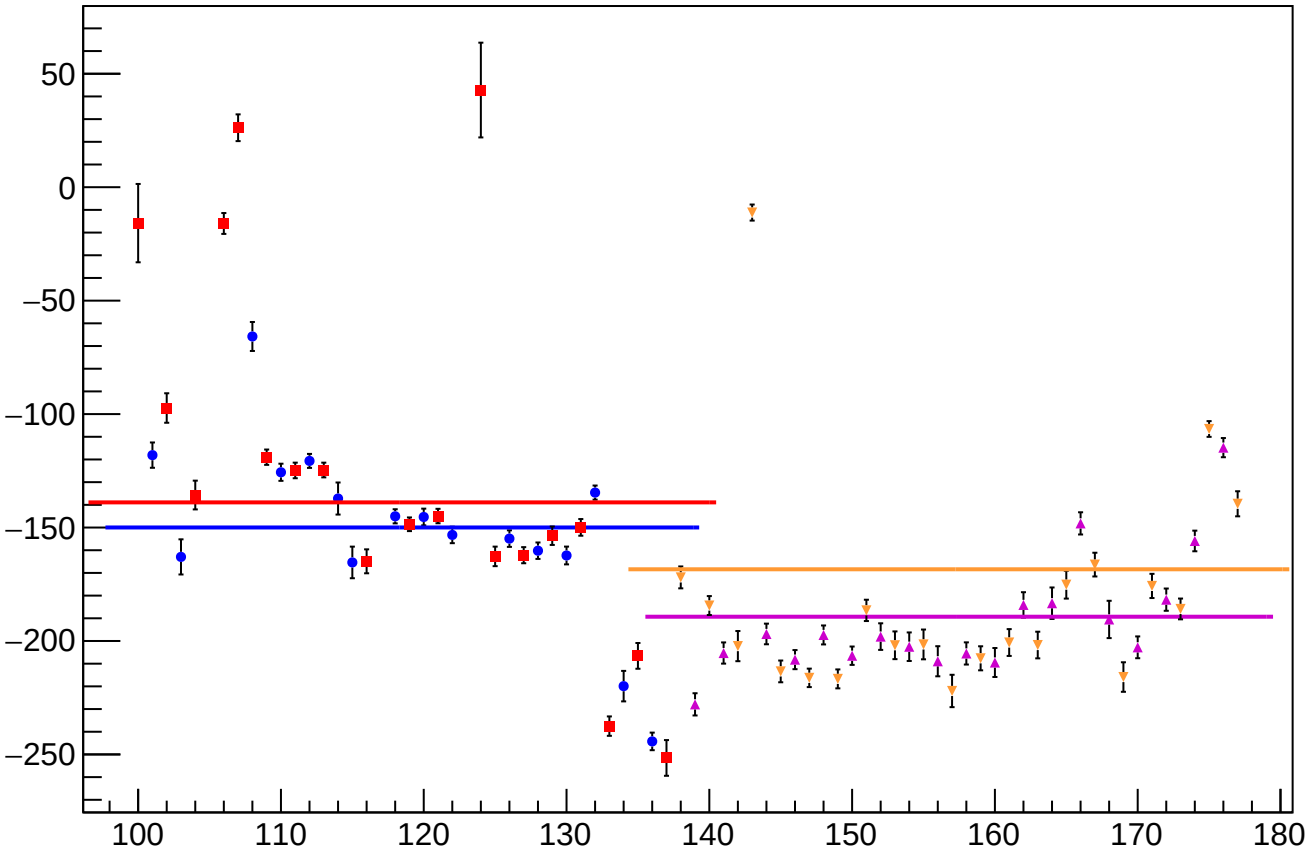
Left: -1.735+/-0.564 χ^2/NDF: 467.1/39

Right: 5.888+/-0.629 χ^2/NDF: 343.5/34

In: 2.231+/-0.607 χ^2/NDF:441.7/34

Out: 1.145+/-0.582 χ^2/NDF:448.6/39

All: 1.664+/-0.420 χ^2/NDF: 892.0/74



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -168.400+/-1.080 χ^2/NDF:3030.6/20

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

Left In: -189.304+/-1.153 χ^2/NDF:601.8/18

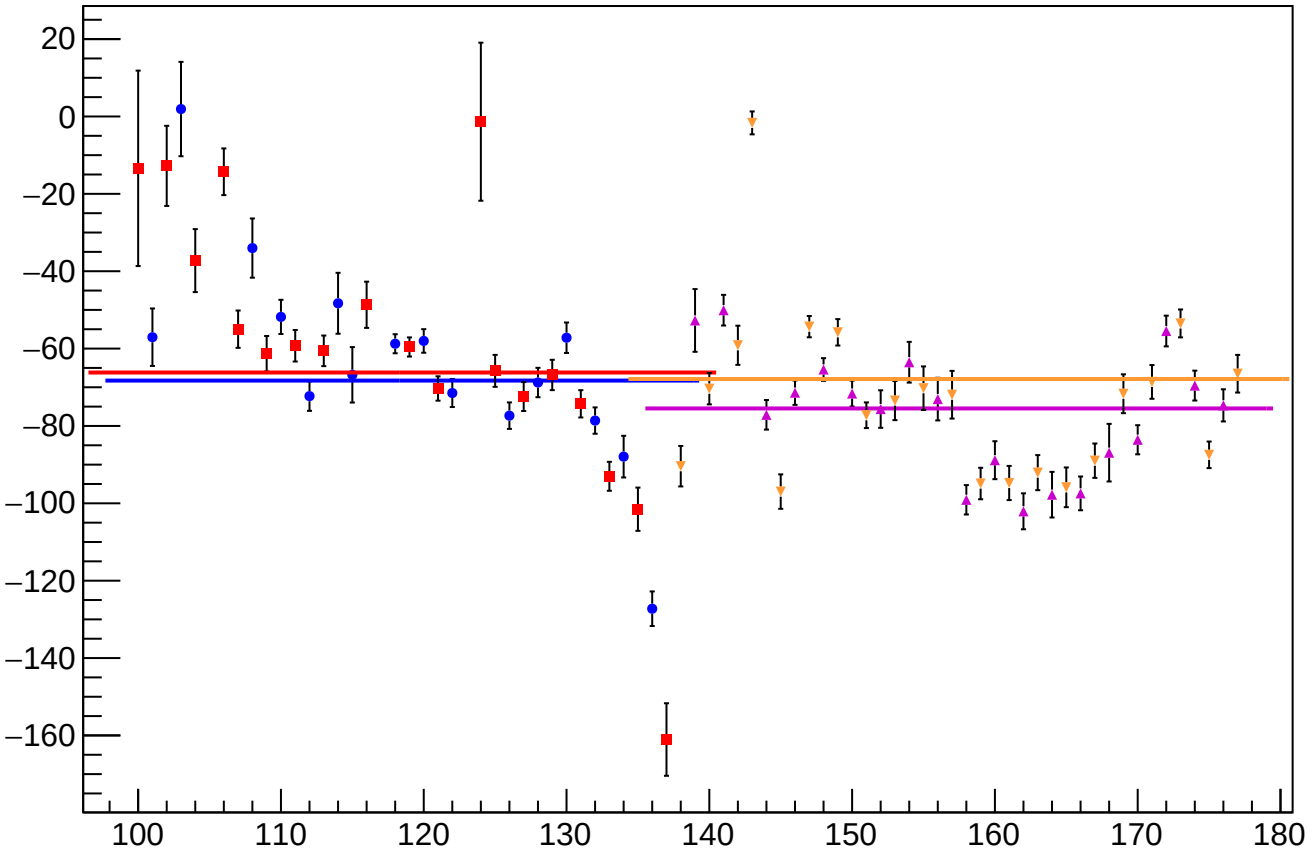
Left: -178.170+/-0.788 χ^2/NDF: 3807.6/39

Right: -144.265+/-0.714 χ^2/NDF: 3910.3/34

In: -167.351+/-0.766 χ^2/NDF:2351.2/34

Out: -152.431+/-0.731 χ^2/NDF:6185.4/39

All: -159.541+/-0.529 χ^2/NDF: 8735.1/74



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -67.867+/-0.894 χ^2/NDF:822.0/20

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

Left In: -75.476+/-0.962 χ^2/NDF:222.5/18

Left: -71.392+/-0.655 χ^2/NDF: 1078.1/39

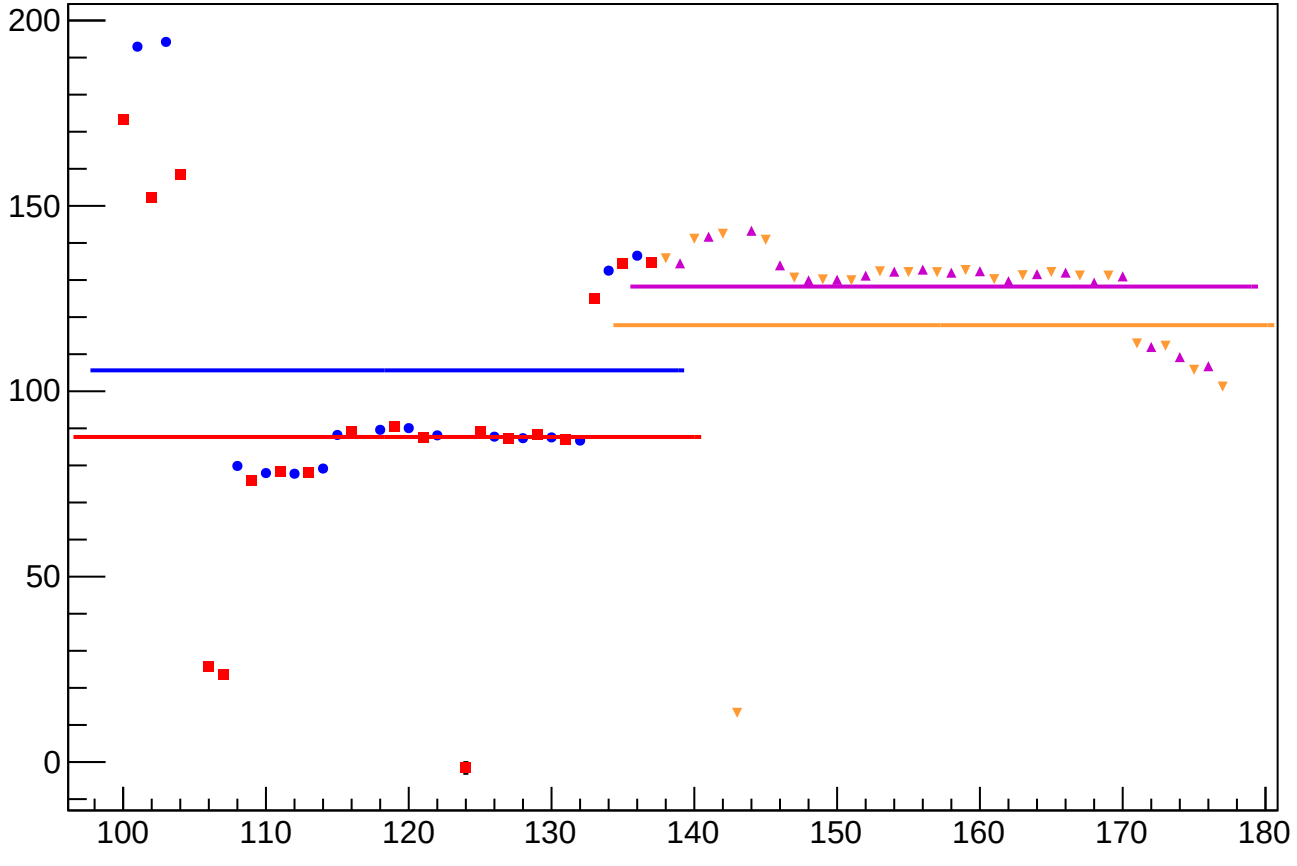
Right: -67.219+/-0.727 χ^2/NDF: 675.8/34

In: -72.131+/-0.704 χ^2/NDF:563.9/34

Out: -67.140+/-0.673 χ^2/NDF:1181.9/39

All: -69.524+/-0.487 χ^2/NDF: 1772.0/74

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 117.825+/-0.042 χ^2/NDF:620090.8/20

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

Left In: 128.240+/-0.044 χ^2/NDF:53620.3/18

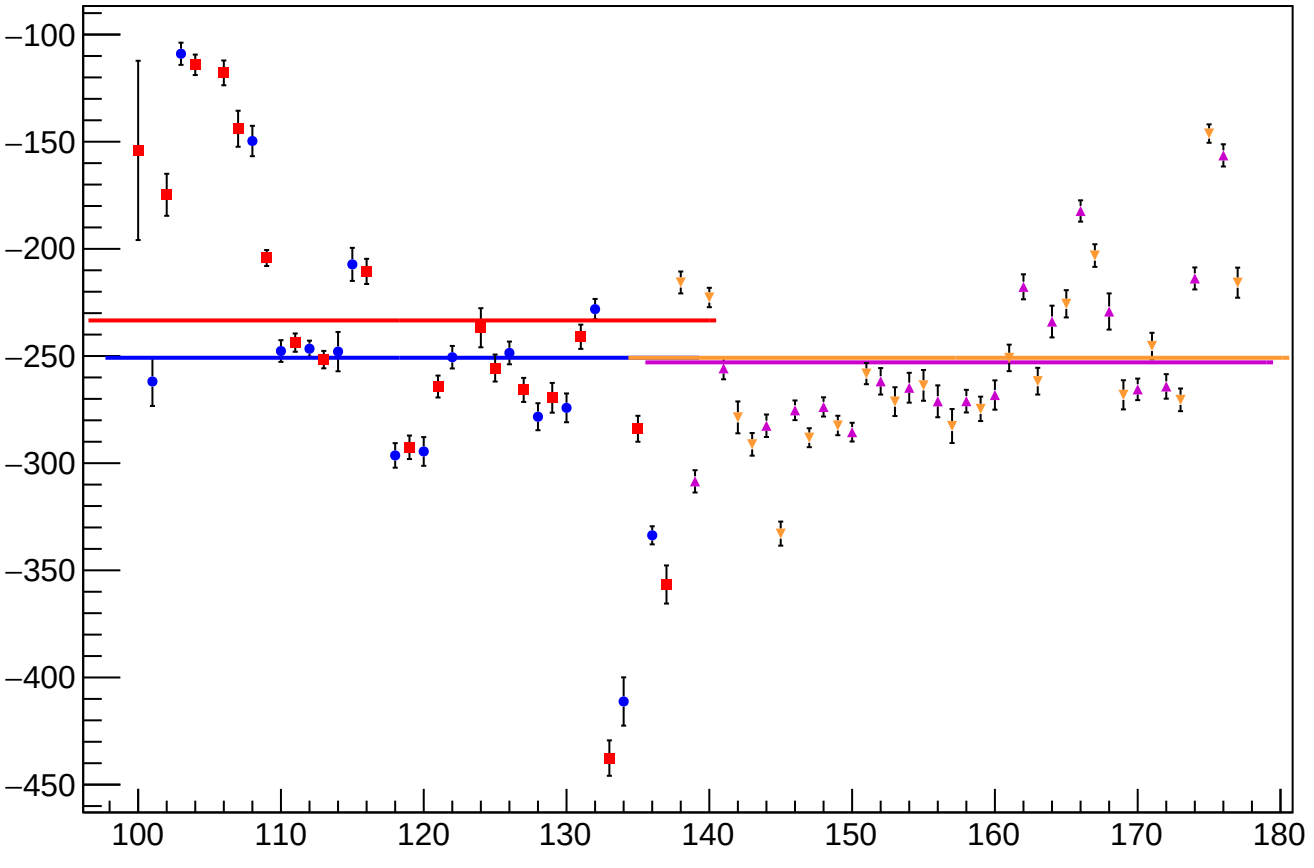
Left: 122.821+/-0.030 χ^2/NDF: 703331.0/39

Right: 95.972+/-0.048 χ^2/NDF: 648694.2/34

In: 122.019+/-0.037 χ^2/NDF:367016.2/34

Out: 109.091+/-0.035 χ^2/NDF:1144497.1/39

All: 115.227+/-0.026 χ^2/NDF: 1575092.2/74



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -250.825+/-1.219 χ^2/NDF:1280.6/20

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

Left In: -252.954+/-1.259 χ^2/NDF:942.5/18

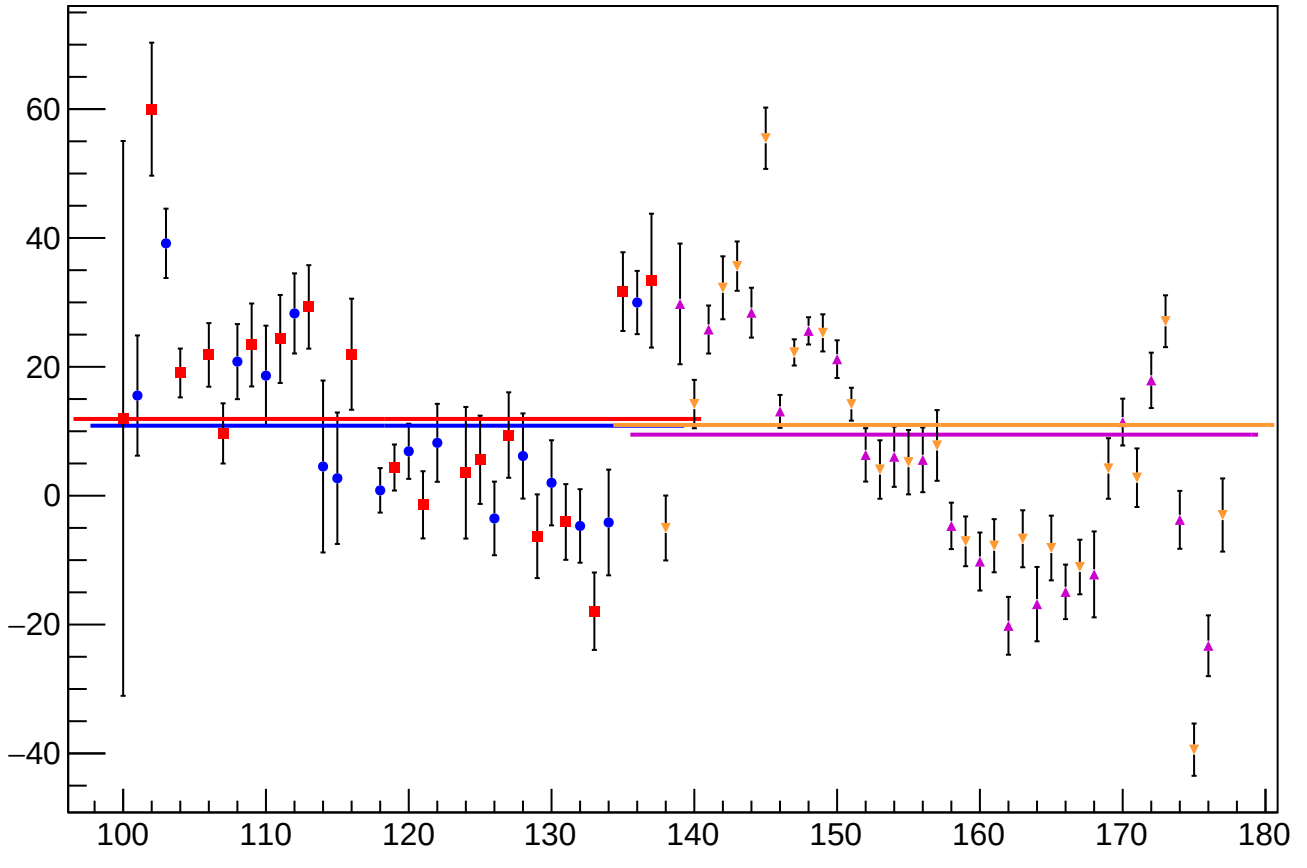
Left: -251.855+/-0.876 χ^2/NDF: 2224.5/39

Right: -241.445+/-0.978 χ^2/NDF: 4193.1/34

In: -252.024+/-0.947 χ^2/NDF:2679.4/34

Out: -242.886+/-0.900 χ^2/NDF:3752.1/39

All: -247.220+/-0.652 χ^2/NDF: 6480.5/74



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 10.981+/-0.839 χ^2/NDF:501.2/20

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

Left In: 9.474+/-0.878 χ^2/NDF:329.5/18

Left: 10.262+/-0.607 χ^2/NDF: 832.3/39

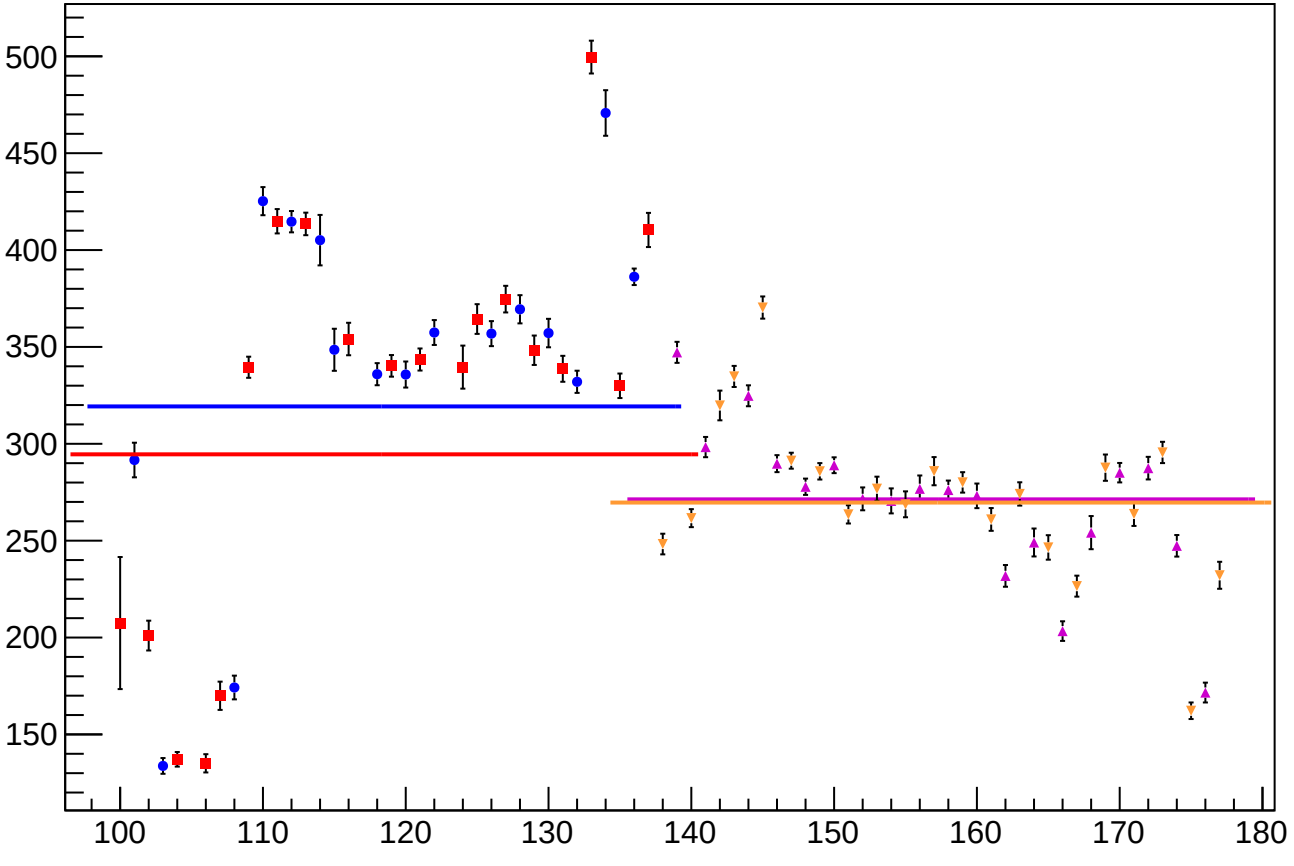
Right: 11.426+/-1.001 χ^2/NDF: 196.9/34

In: 9.839+/-0.754 χ^2/NDF:414.8/34

Out: 11.235+/-0.715 χ^2/NDF:613.5/39

All: 10.574+/-0.519 χ^2/NDF: 1030.1/74

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 269.676+/-1.197 χ^2/NDF:1337.8/20

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

Left In: 271.323+/-1.233 χ^2/NDF:1017.2/18

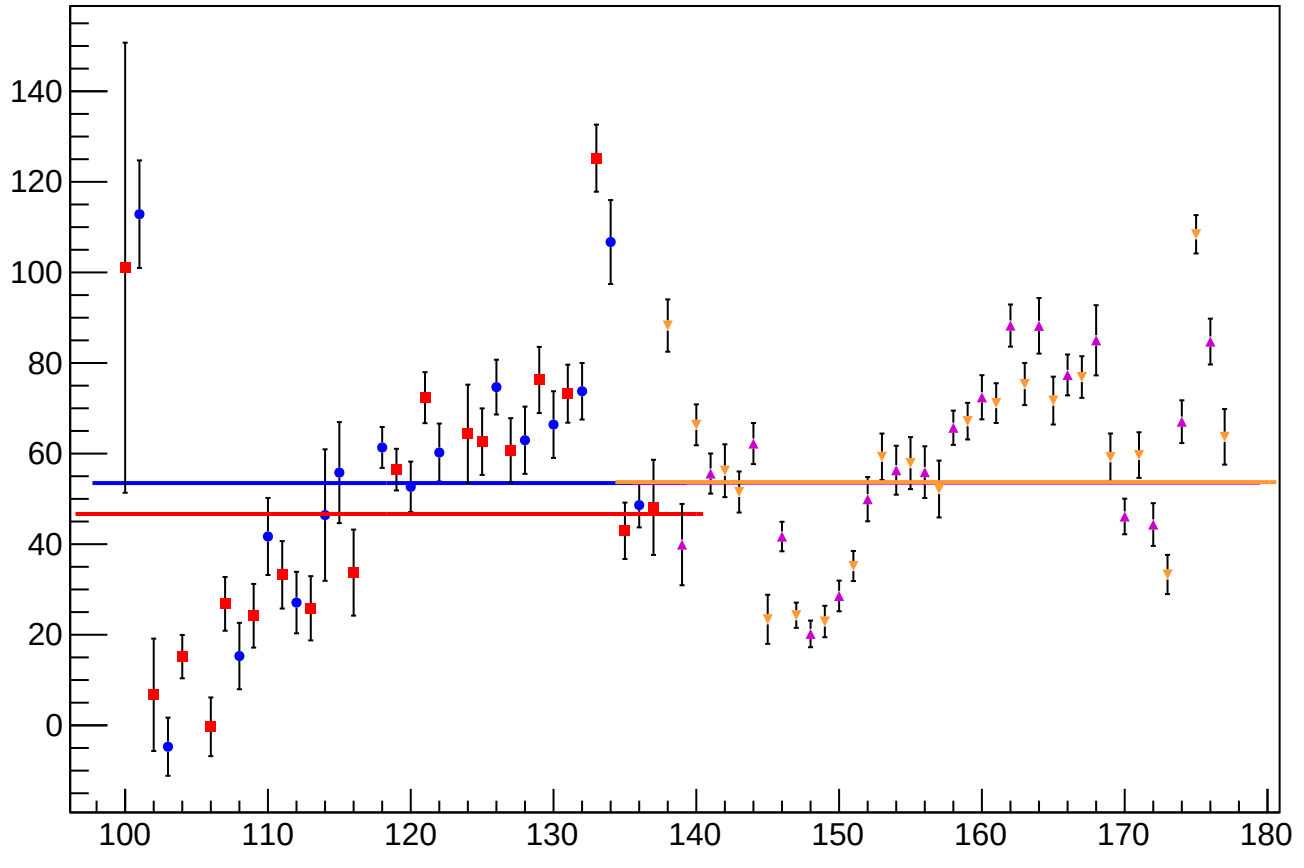
Left: 270.475+/-0.859 χ^2/NDF: 2355.9/39

Right: 306.088+/-1.083 χ^2/NDF: 9425.9/34

In: 289.401+/-0.974 χ^2/NDF:5380.1/34

Out: 279.509+/-0.931 χ^2/NDF:7011.7/39

All: 284.234+/-0.673 χ^2/NDF: 12445.8/74



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 53.697+/-0.980 χ^2/NDF:578.0/20

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

Left In: 53.562+/-1.021 χ^2/NDF:413.9/18

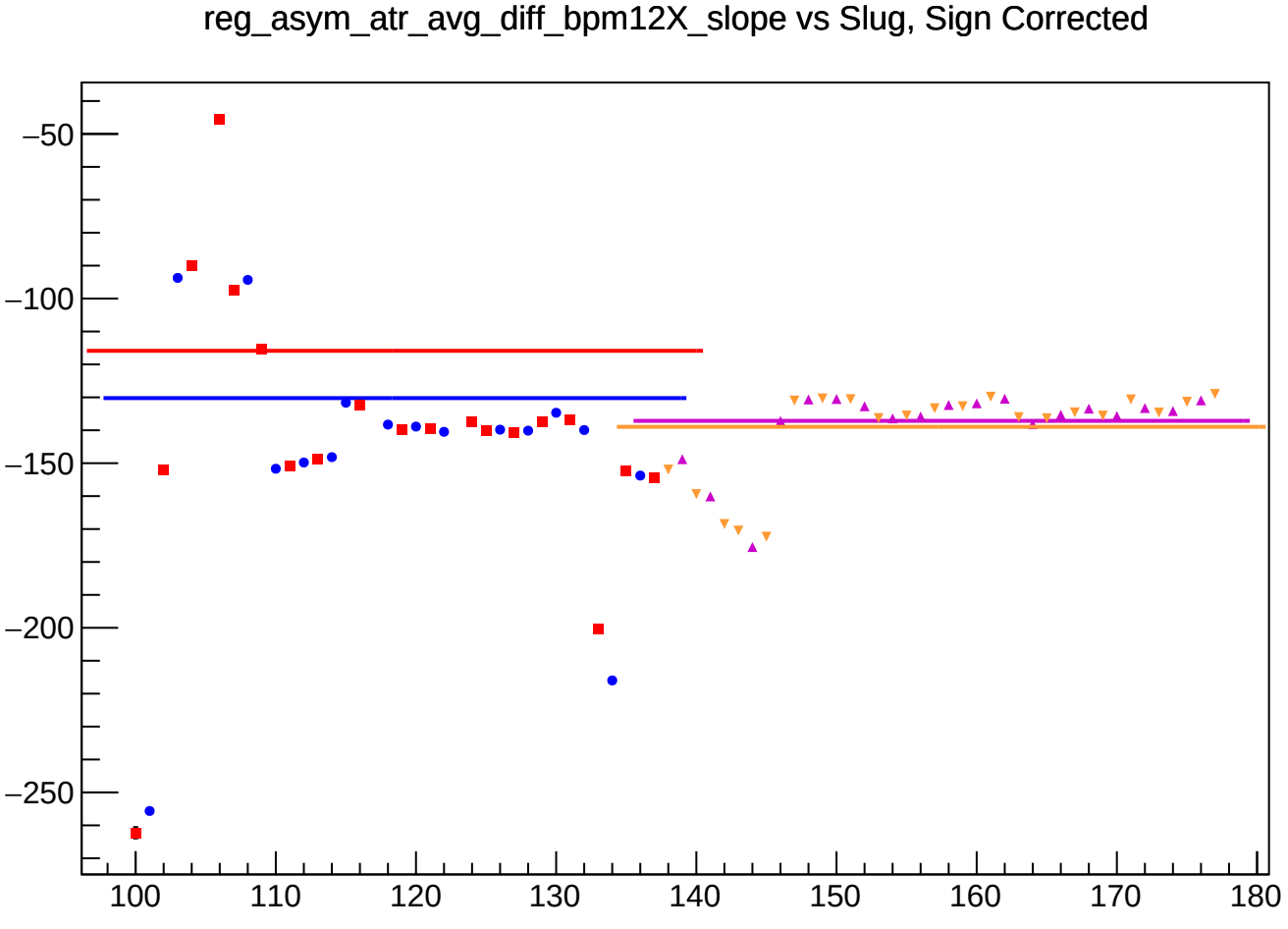
Left: 53.632+/-0.707 χ^2/NDF: 991.9/39

Right: 49.861+/-1.162 χ^2/NDF: 551.4/34

In: 53.544+/-0.875 χ^2/NDF:631.1/34

Out: 51.768+/-0.835 χ^2/NDF:917.7/39

All: 52.614+/-0.604 χ^2/NDF: 1551.0/74



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -138.957+/-0.046 χ^2/NDF:79609.6/20

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

Left In: -137.139+/-0.047 χ^2/NDF:47837.5/18

Left: -138.058+/-0.033 χ^2/NDF: 128214.7/39

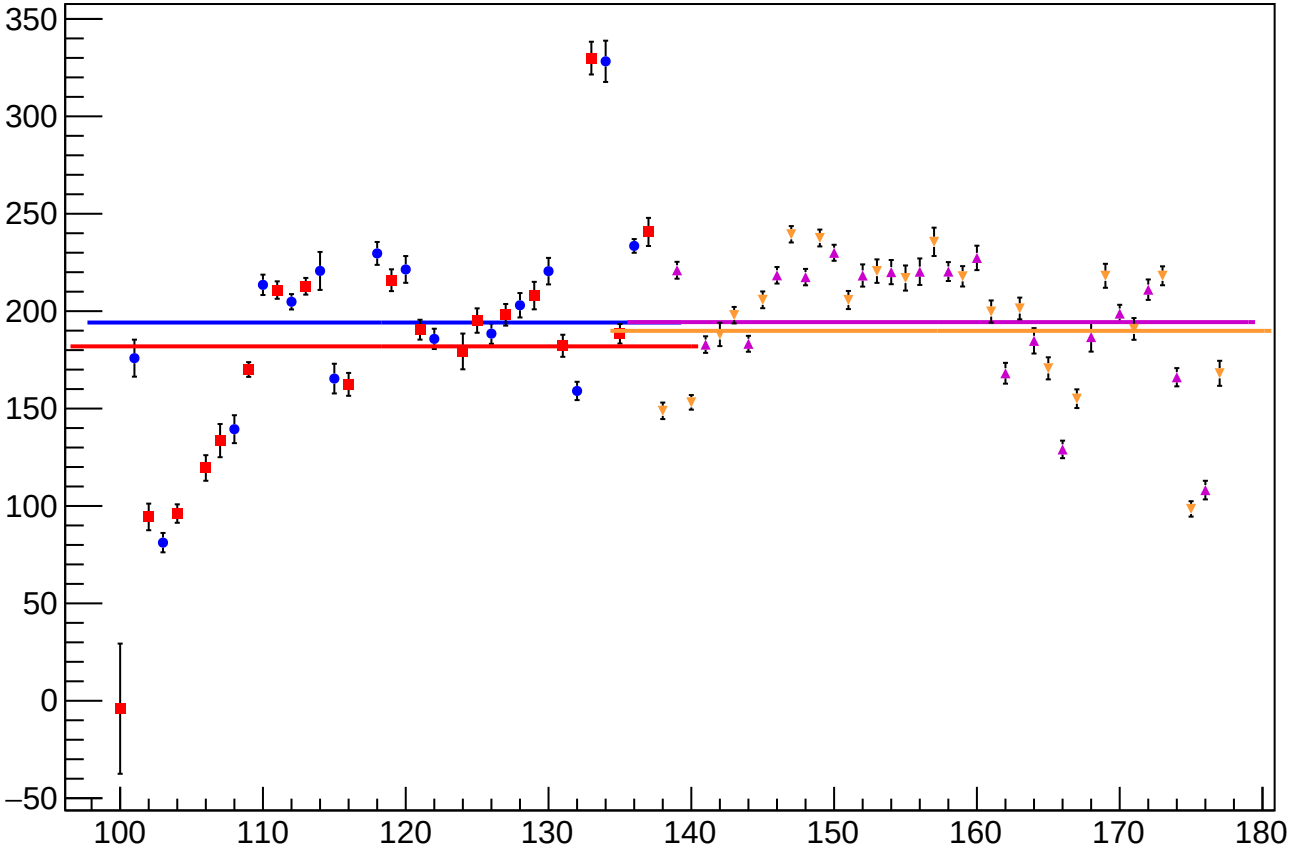
Right: -122.615+/-0.062 χ^2/NDF: 393311.6/34

In: -135.705+/-0.042 χ^2/NDF:226596.2/34

Out: -133.767+/-0.041 χ^2/NDF:341769.1/39

All: -134.715+/-0.029 χ^2/NDF: 569478.3/74

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 194.164+/-1.407 χ^2/NDF: 1035.2/15

Left Out: 189.891+/-1.082 χ^2/NDF:1262.2/20

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

Left In: 194.375+/-1.127 χ^2/NDF:906.9/18

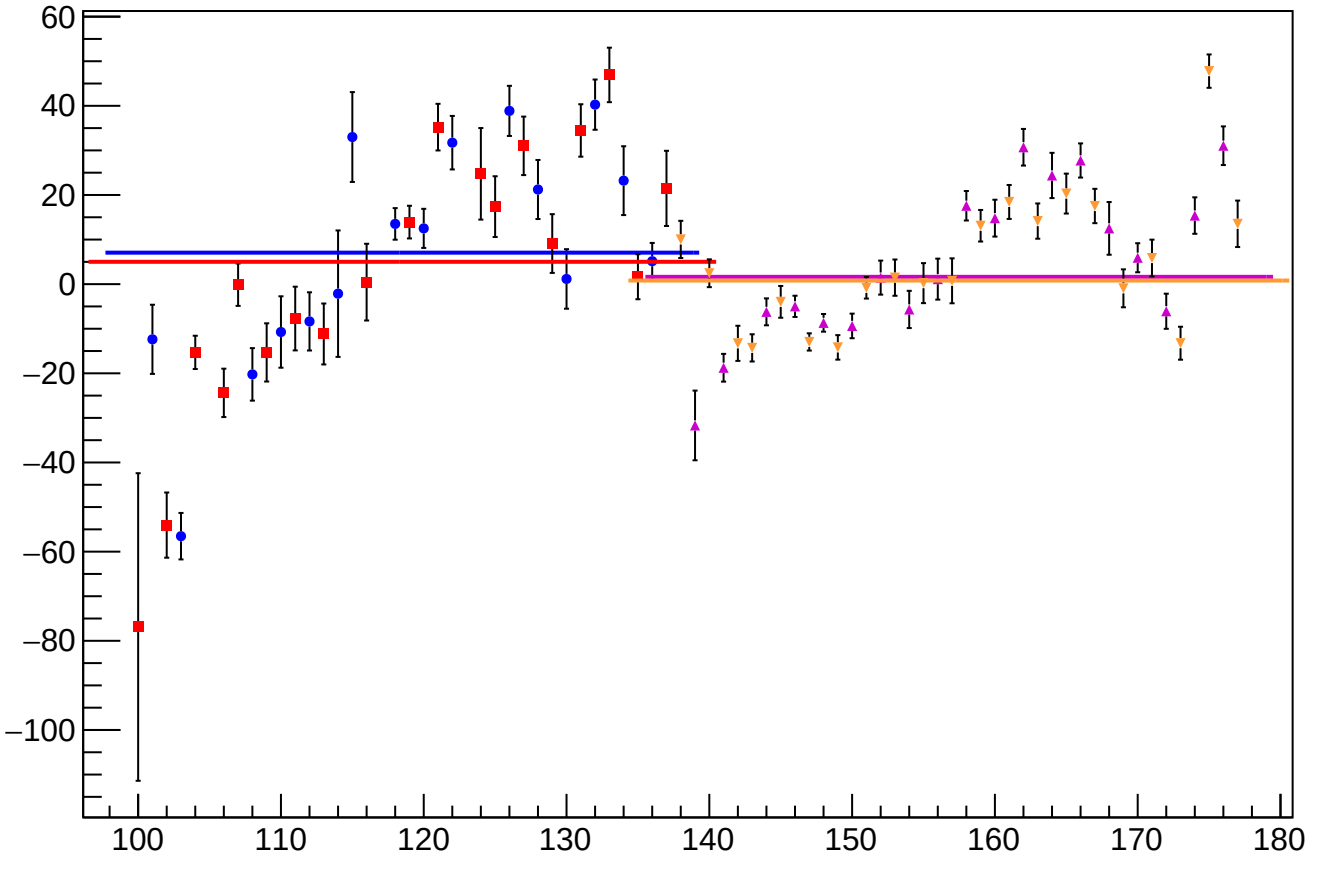
Left: 192.040+/-0.781 χ^2/NDF: 2177.4/39

Right: 187.666+/-0.963 χ^2/NDF: 2280.2/34

In: 194.293+/-0.880 χ^2/NDF:1942.1/34

Out: 186.696+/-0.837 χ^2/NDF:2488.8/39

All: 190.307+/-0.606 χ^2/NDF: 4470.0/74



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: 0.809+/-0.754 χ^2/NDF:387.5/20

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

Left In: 1.639+/-0.795 χ^2/NDF:337.9/18

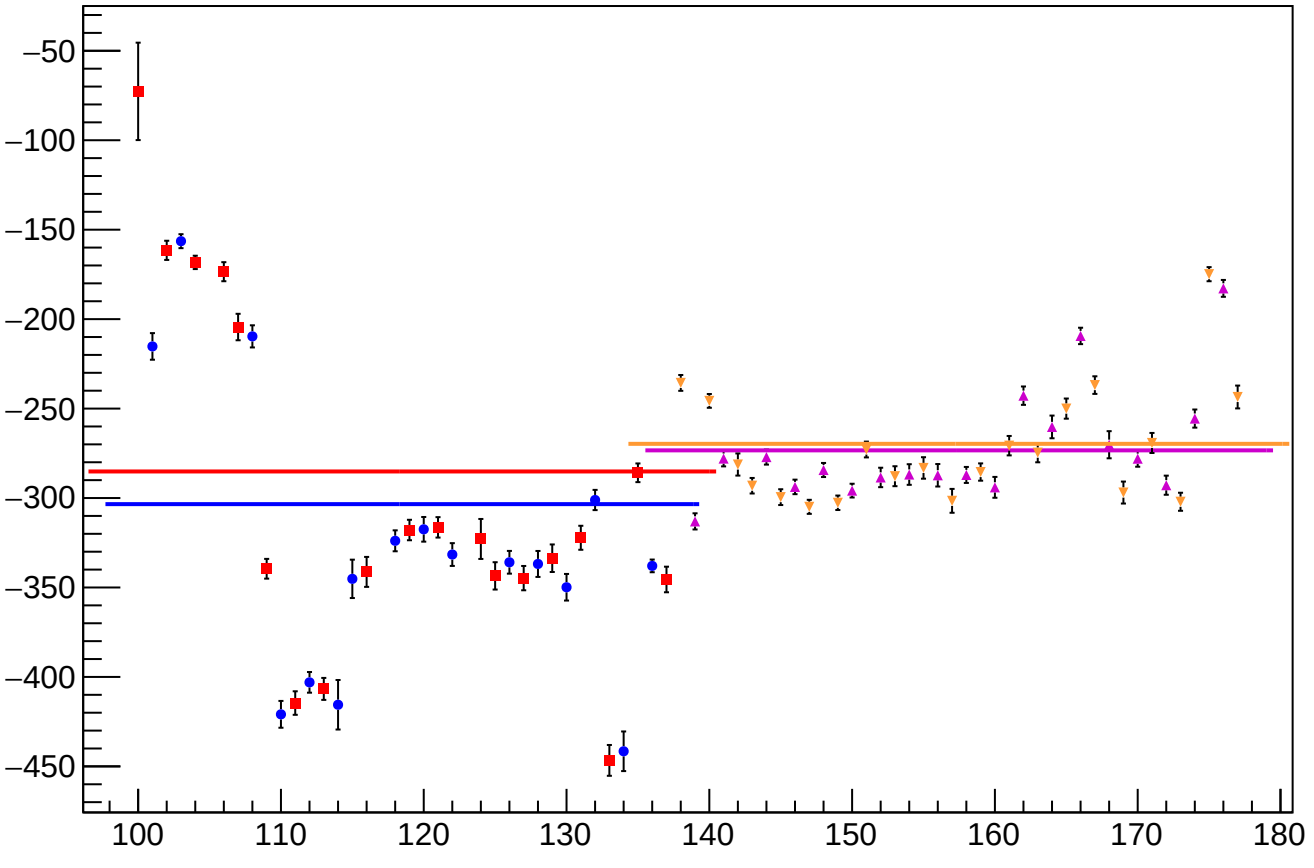
Left: 1.203+/-0.547 χ^2/NDF: 726.0/39

Right: 5.976+/-0.988 χ^2/NDF: 582.2/34

In: 2.903+/-0.696 χ^2/NDF:641.4/34

Out: 1.805+/-0.659 χ^2/NDF:683.4/39

All: 2.324+/-0.479 χ^2/NDF: 1326.0/74



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -269.706+/-1.066 χ^2/NDF:1086.0/20

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

Left In: -273.353+/-1.107 χ^2/NDF:816.7/18

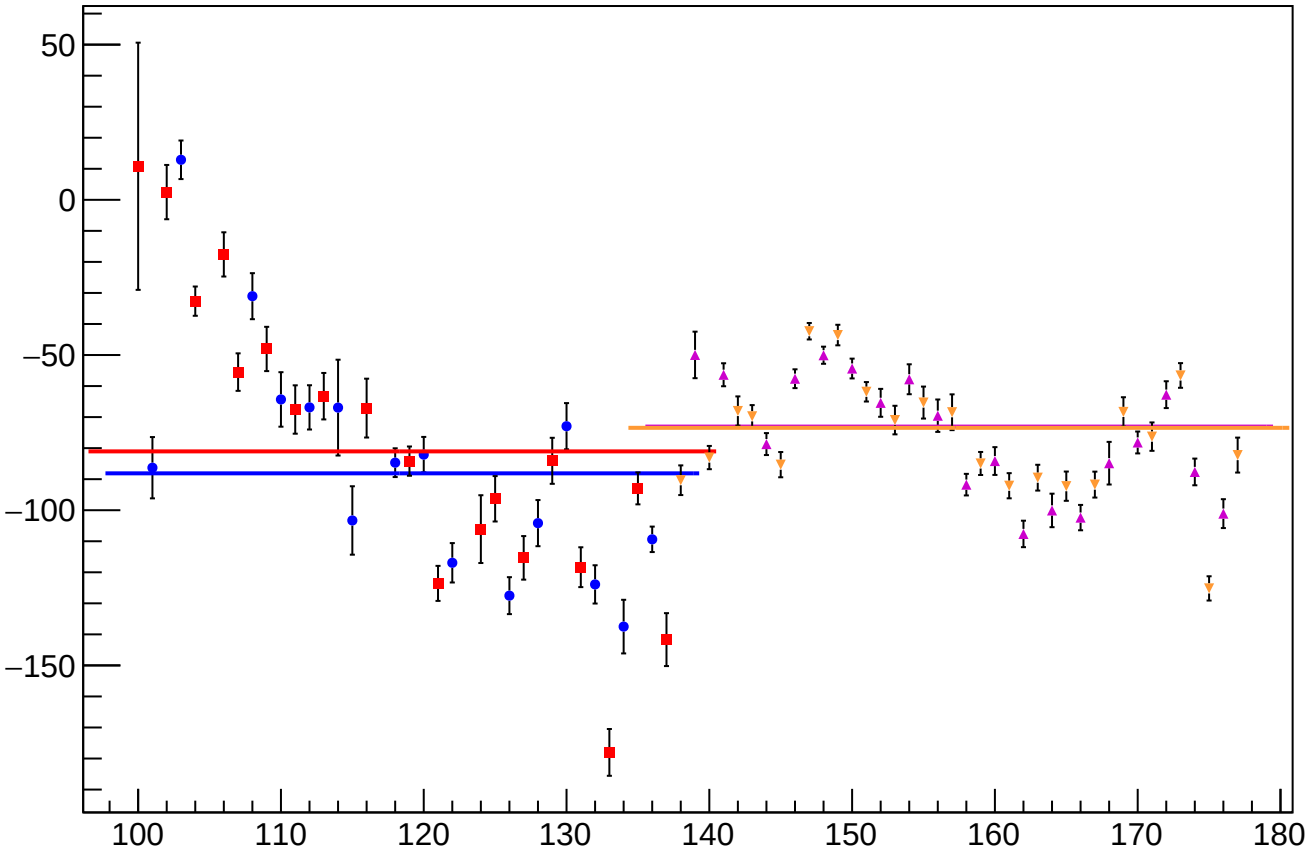
Left: -271.461+/-0.768 χ^2/NDF: 1908.3/39

Right: -293.794+/-1.053 χ^2/NDF: 6615.3/34

In: -283.684+/-0.897 χ^2/NDF:3855.4/34

Out: -275.122+/-0.859 χ^2/NDF:4914.4/39

All: -279.219+/-0.621 χ^2/NDF: 8817.3/74



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -73.454+/-0.879 χ^2/NDF:544.3/20

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

Left In: -73.058+/-0.922 χ^2/NDF:411.5/18

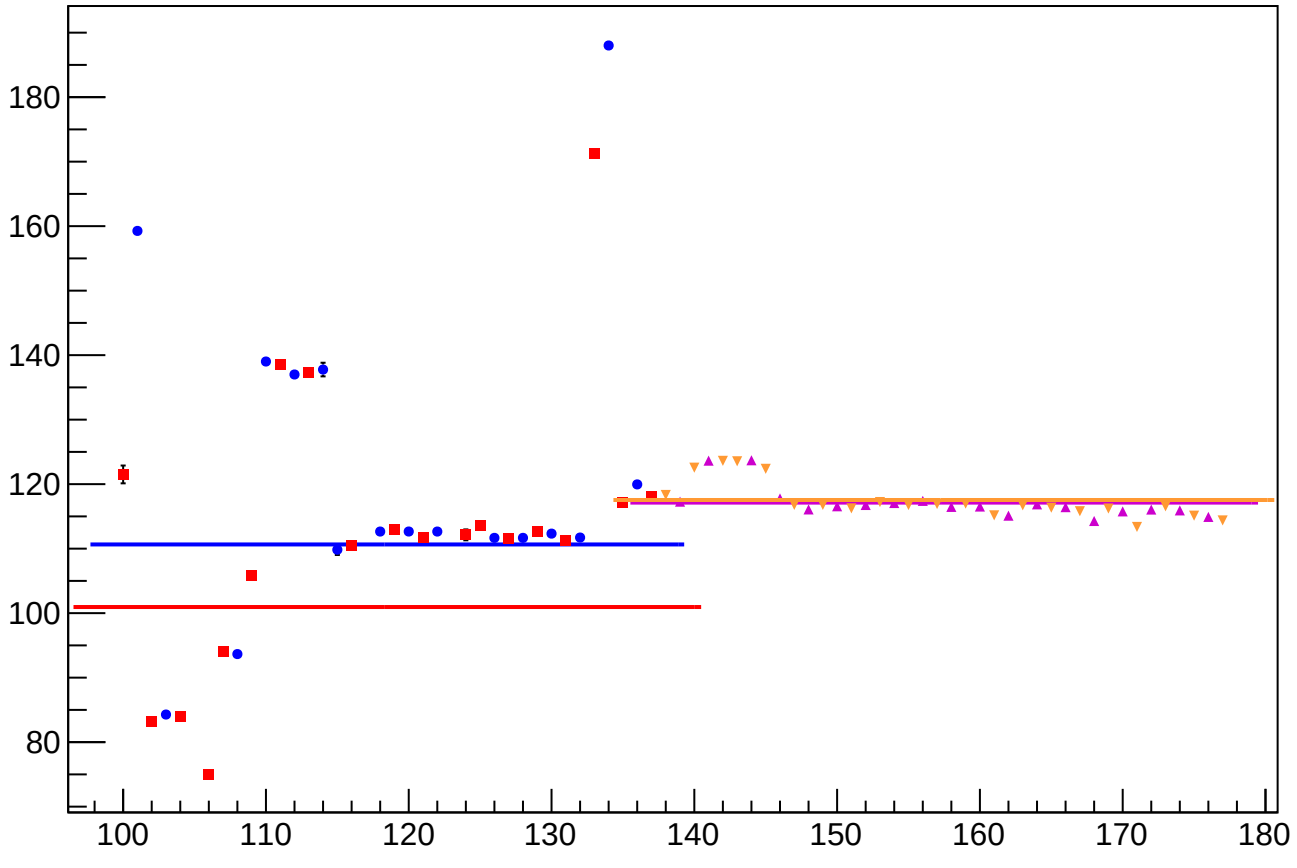
Left: -73.265+/-0.636 χ^2/NDF: 955.9/39

Right: -84.394+/-1.139 χ^2/NDF: 1199.1/34

In: -76.626+/-0.806 χ^2/NDF:986.6/34

Out: -75.268+/-0.767 χ^2/NDF:1239.6/39

All: -75.914+/-0.555 χ^2/NDF: 2227.8/74



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 117.544+/-0.041 χ^2/NDF:4654.9/20

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

Left In: 117.138+/-0.042 χ^2/NDF:3171.8/18

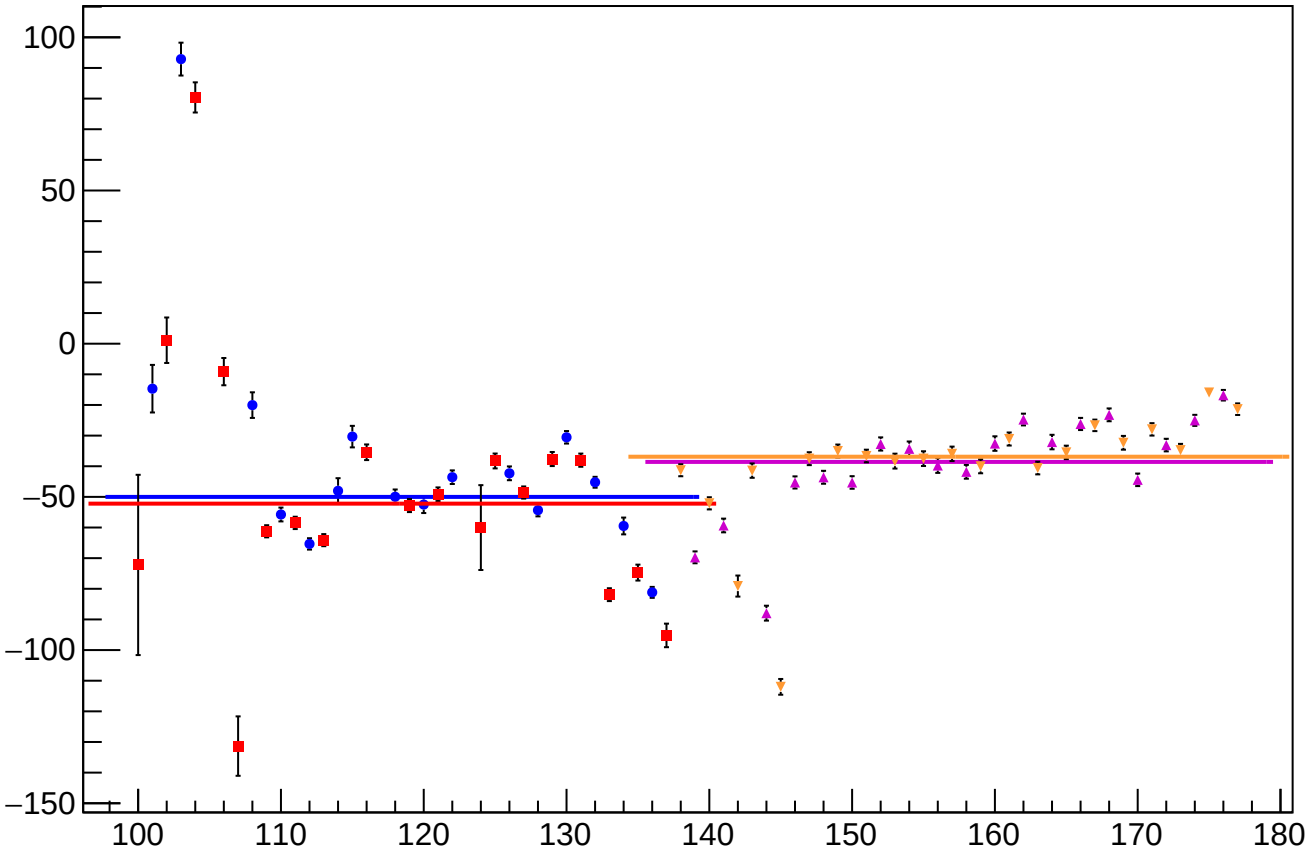
Left: 117.345+/-0.029 χ^2/NDF: 7874.3/39

Right: 105.518+/-0.059 χ^2/NDF: 152285.6/34

In: 115.888+/-0.038 χ^2/NDF:91306.9/34

Out: 114.132+/-0.037 χ^2/NDF:100023.9/39

All: 114.987+/-0.026 χ^2/NDF: 192445.4/74



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -36.889+/-0.461 χ^2/NDF:1410.0/20

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

Left In: -38.587+/-0.480 χ^2/NDF:1184.9/18

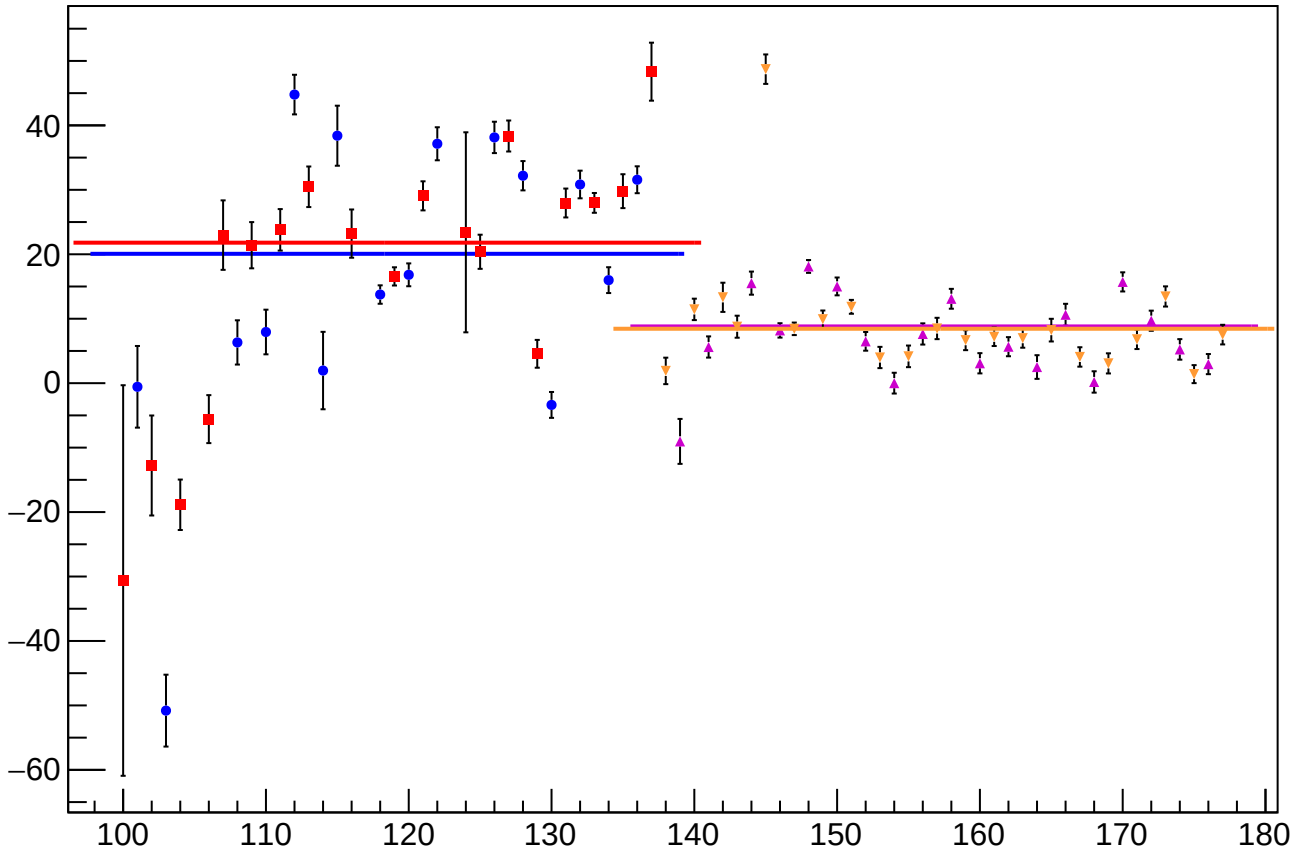
Left: -37.704+/-0.333 χ^2/NDF: 2601.4/39

Right: -51.116+/-0.430 χ^2/NDF: 2904.2/34

In: -42.958+/-0.377 χ^2/NDF:2728.6/34

Out: -42.523+/-0.367 χ^2/NDF:3385.6/39

All: -42.735+/-0.263 χ^2/NDF: 6114.9/74



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 8.444+/-0.330 χ^2/NDF:414.1/20

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

Left In: 8.806+/-0.348 χ^2/NDF:290.7/18

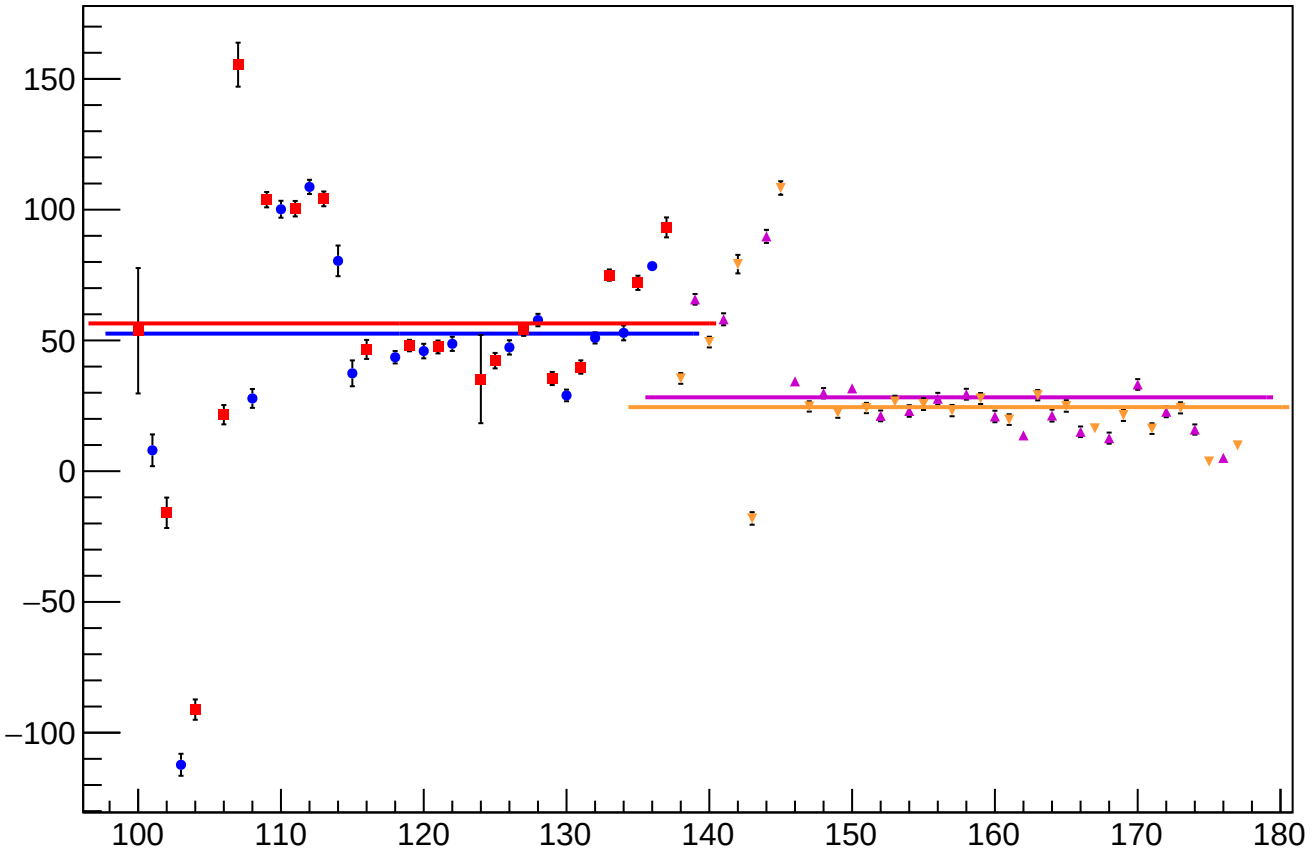
Left: 8.615+/-0.239 χ^2/NDF: 705.4/39

Right: 20.922+/-0.436 χ^2/NDF: 1036.5/34

In: 11.553+/-0.302 χ^2/NDF:1183.2/34

Out: 11.372+/-0.291 χ^2/NDF:1170.5/39

All: 11.459+/-0.210 χ^2/NDF: 2353.8/74



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 24.494+/-0.453 χ^2/NDF:2082.9/20

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

Left In: 28.246+/-0.472 χ^2/NDF:1563.4/18

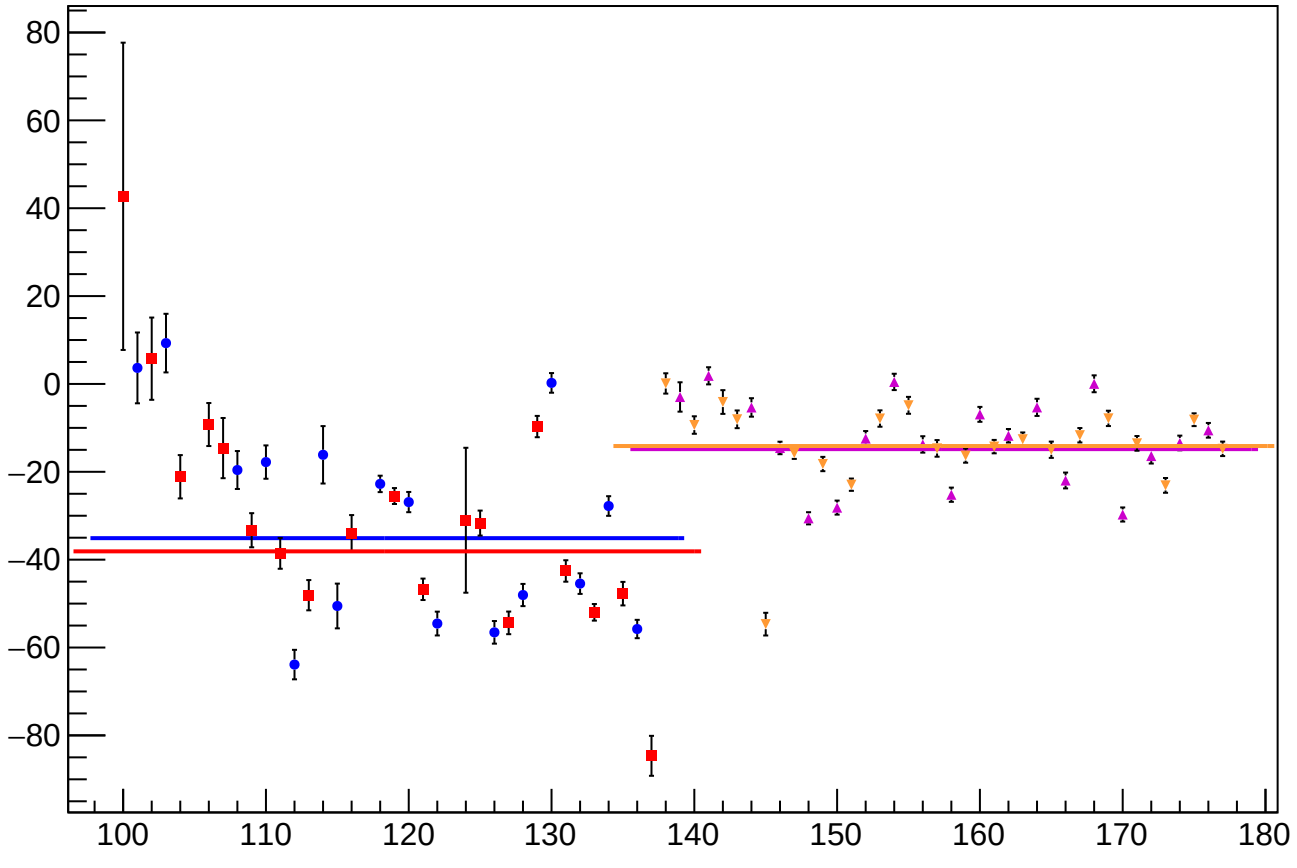
Left: 26.295+/-0.327 χ^2/NDF: 3679.2/39

Right: 54.527+/-0.496 χ^2/NDF: 5640.4/34

In: 35.906+/-0.390 χ^2/NDF:5061.6/34

Out: 33.845+/-0.381 χ^2/NDF:6505.4/39

All: 34.851+/-0.273 χ^2/NDF: 11581.3/74



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -14.132+/-0.377 χ^2/NDF:458.5/20

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

Left In: -14.837+/-0.397 χ^2/NDF:634.1/18

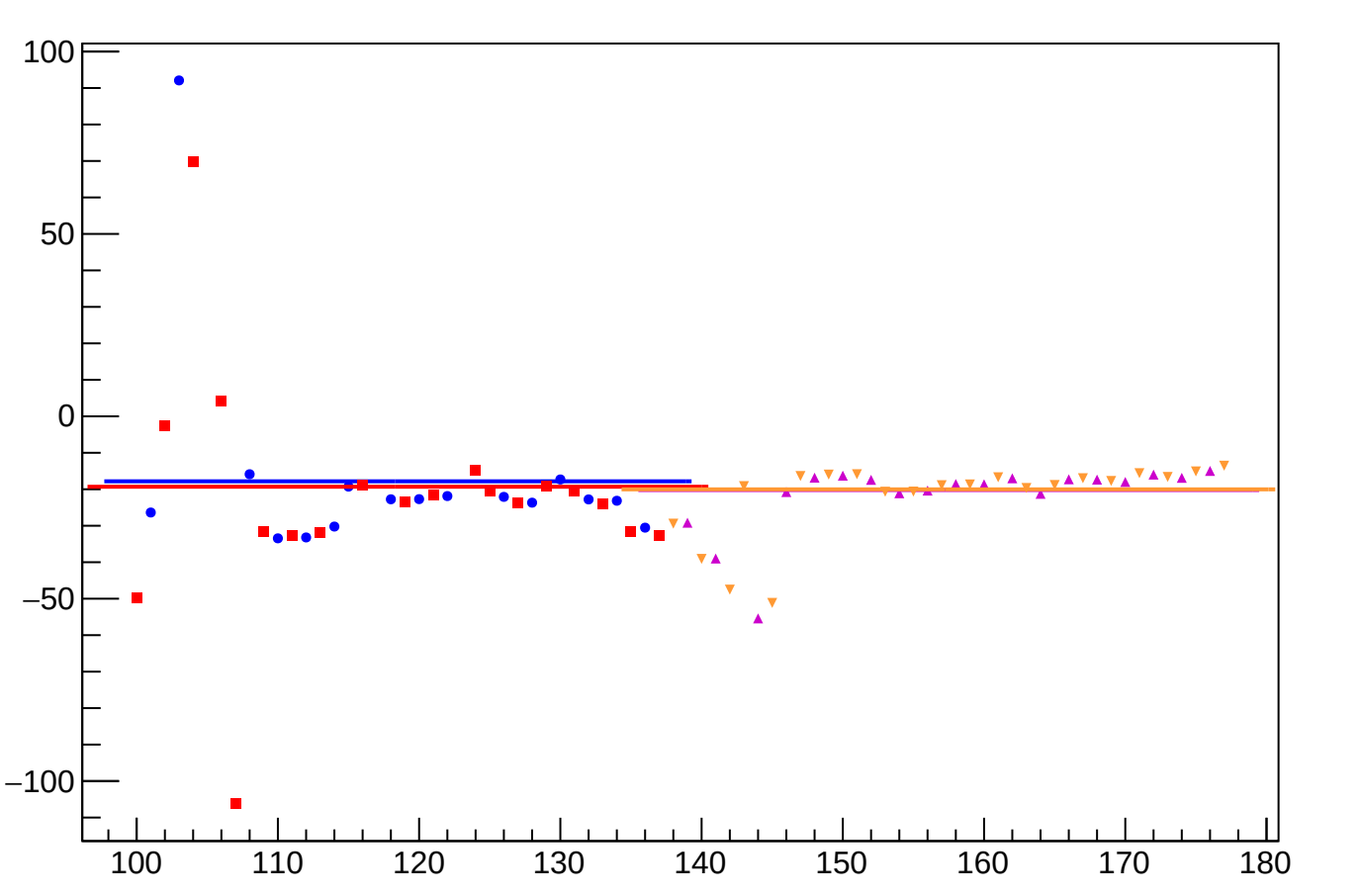
Left: -14.467+/-0.274 χ^2/NDF: 1094.3/39

Right: -36.577+/-0.500 χ^2/NDF: 1296.8/34

In: -19.773+/-0.345 χ^2/NDF:2041.2/34

Out: -19.366+/-0.334 χ^2/NDF:1855.0/39

All: -19.562+/-0.240 χ^2/NDF: 3896.9/74



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -20.025+/-0.017 χ^2/NDF:219895.8/20

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

Left In: -20.214+/-0.017 χ^2/NDF:178459.3/18

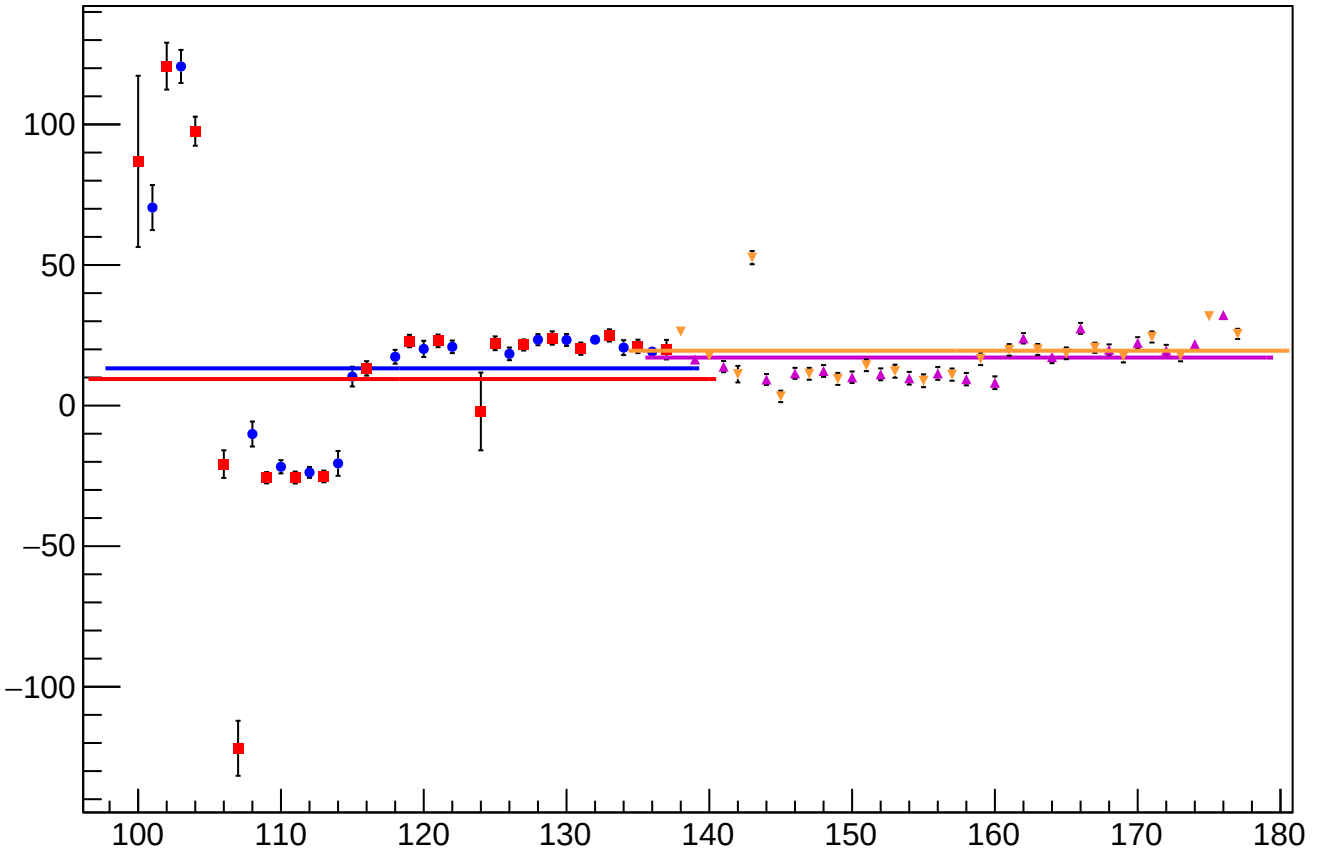
Left: -20.118+/-0.012 χ^2/NDF: 398414.9/39

Right: -18.516+/-0.032 χ^2/NDF: 771290.6/34

In: -19.878+/-0.016 χ^2/NDF:607207.6/34

Out: -19.939+/-0.016 χ^2/NDF:564734.0/39

All: -19.909+/-0.011 χ^2/NDF: 1171949.0/74



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 19.526+/-0.439 χ^2/NDF:468.4/20

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

Left In: 17.086+/-0.456 χ^2/NDF:238.2/18

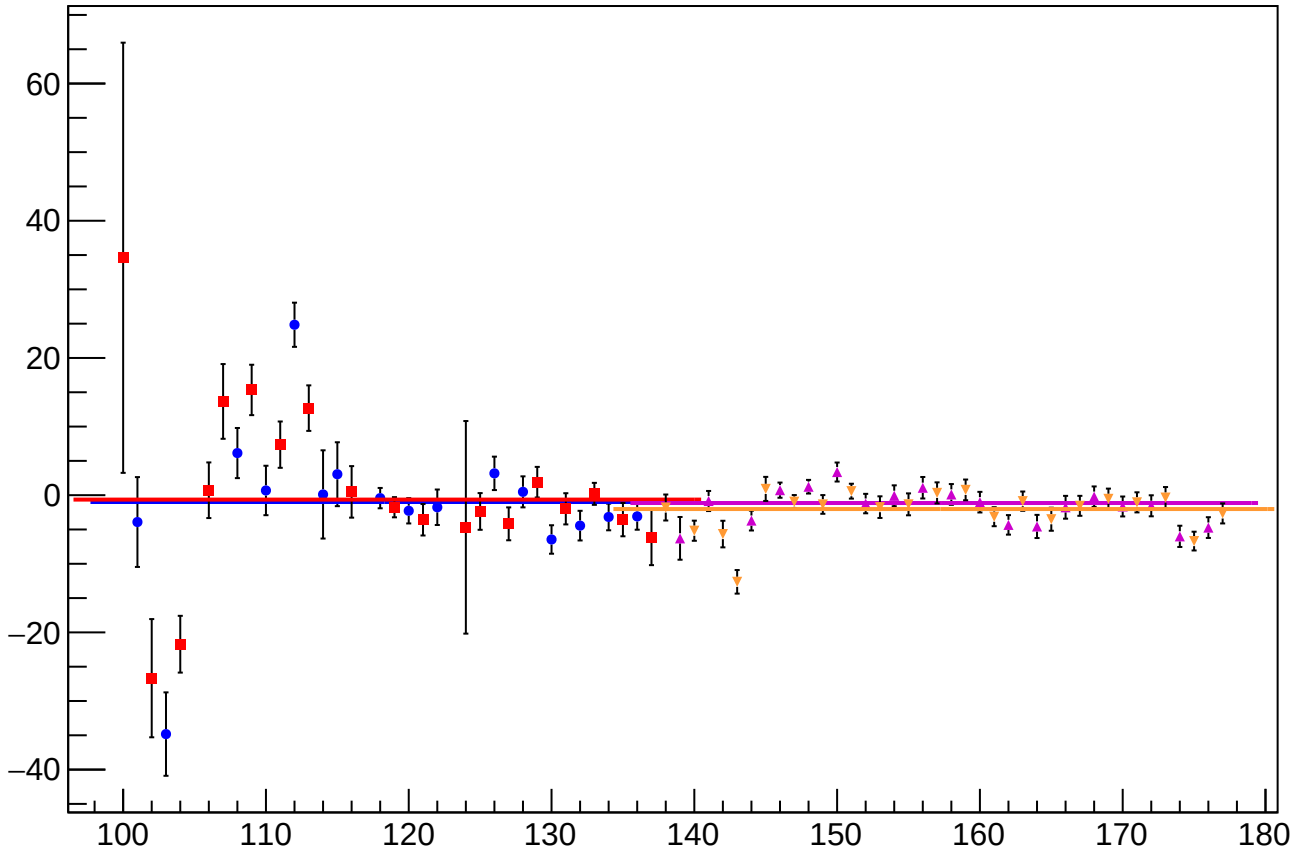
Left: 18.350+/-0.316 χ^2/NDF: 721.4/39

Right: 11.351+/-0.435 χ^2/NDF: 3038.2/34

In: 15.726+/-0.366 χ^2/NDF:1445.8/34

Out: 16.122+/-0.357 χ^2/NDF:2482.7/39

All: 15.929+/-0.256 χ^2/NDF: 3929.1/74



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -2.021+/-0.317 χ^2/NDF:78.9/20

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

Left In: -1.142+/-0.333 χ^2/NDF:53.6/18

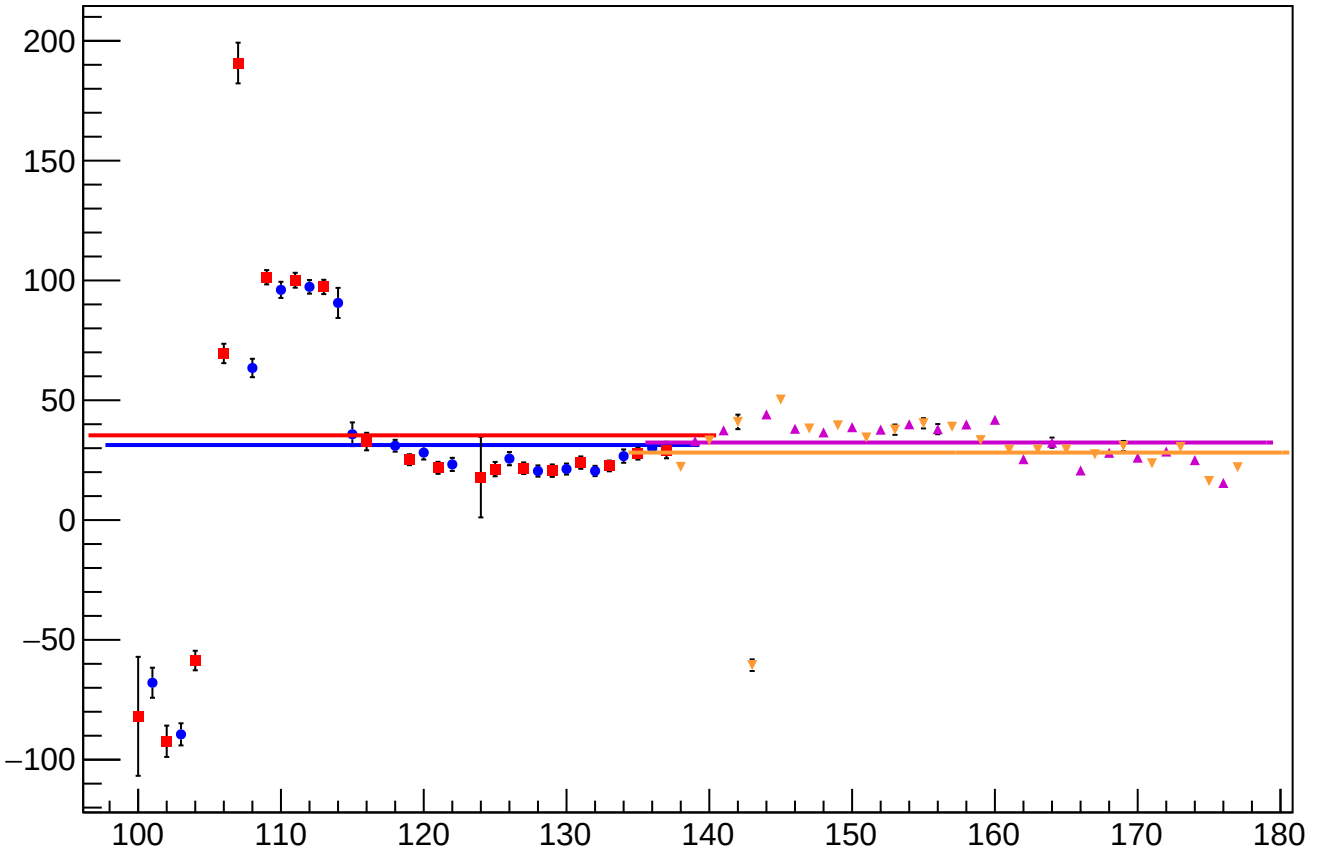
Left: -1.603+/-0.229 χ^2/NDF: 136.2/39

Right: -0.823+/-0.443 χ^2/NDF: 210.7/34

In: -1.109+/-0.293 χ^2/NDF:170.0/34

Out: -1.747+/-0.284 χ^2/NDF:176.9/39

All: -1.438+/-0.204 χ^2/NDF: 349.3/74



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 28.170+/-0.432 χ^2/NDF:1731.8/20

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

Left In: 32.363+/-0.448 χ^2/NDF:314.7/18

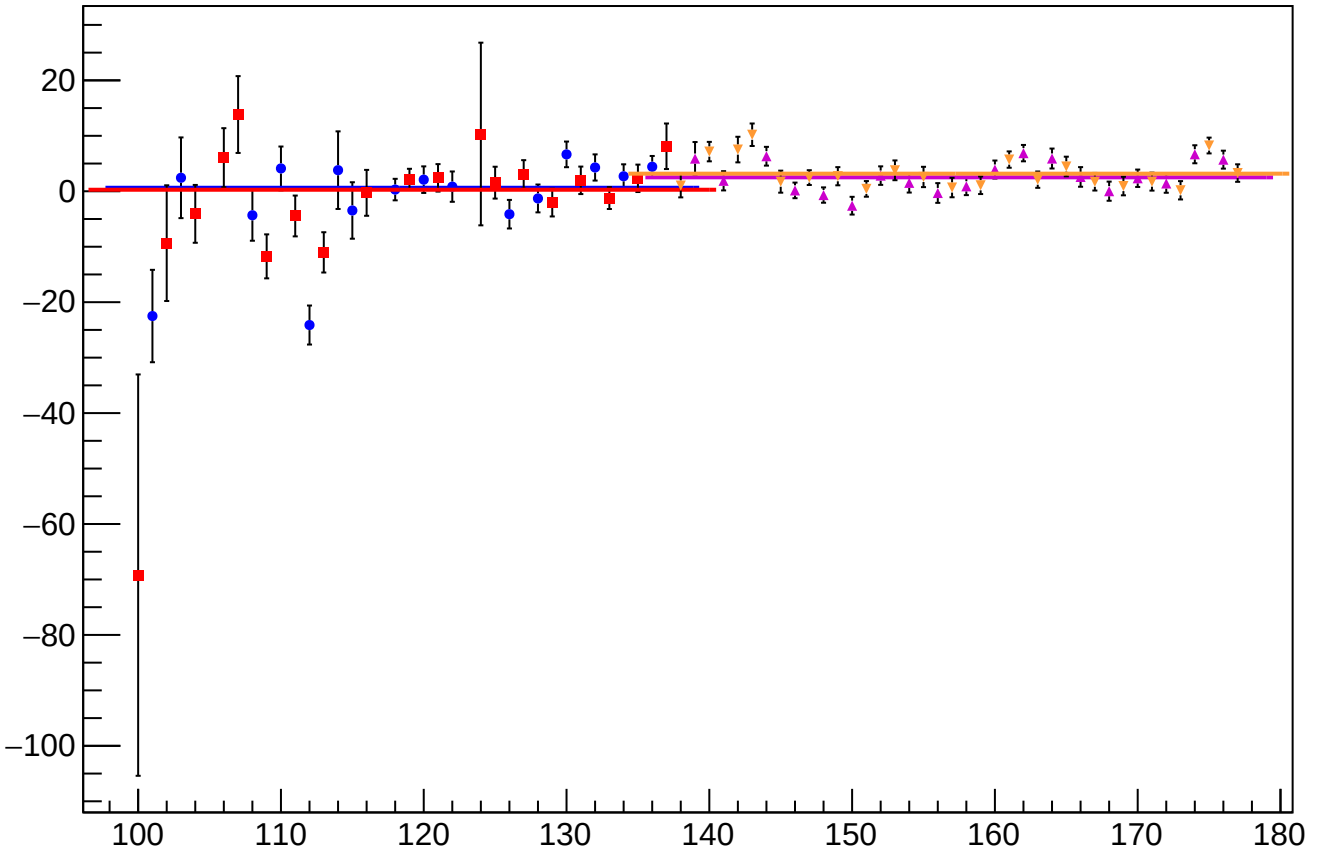
Left: 30.190+/-0.311 χ^2/NDF: 2091.9/39

Right: 33.289+/-0.501 χ^2/NDF: 4999.9/34

In: 32.057+/-0.377 χ^2/NDF:2402.2/34

Out: 30.087+/-0.370 χ^2/NDF:4703.4/39

All: 31.053+/-0.264 χ^2/NDF: 7119.5/74



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 3.175+/-0.362 χ^2/NDF:53.8/20

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

Left In: 2.513+/-0.380 χ^2/NDF:54.8/18

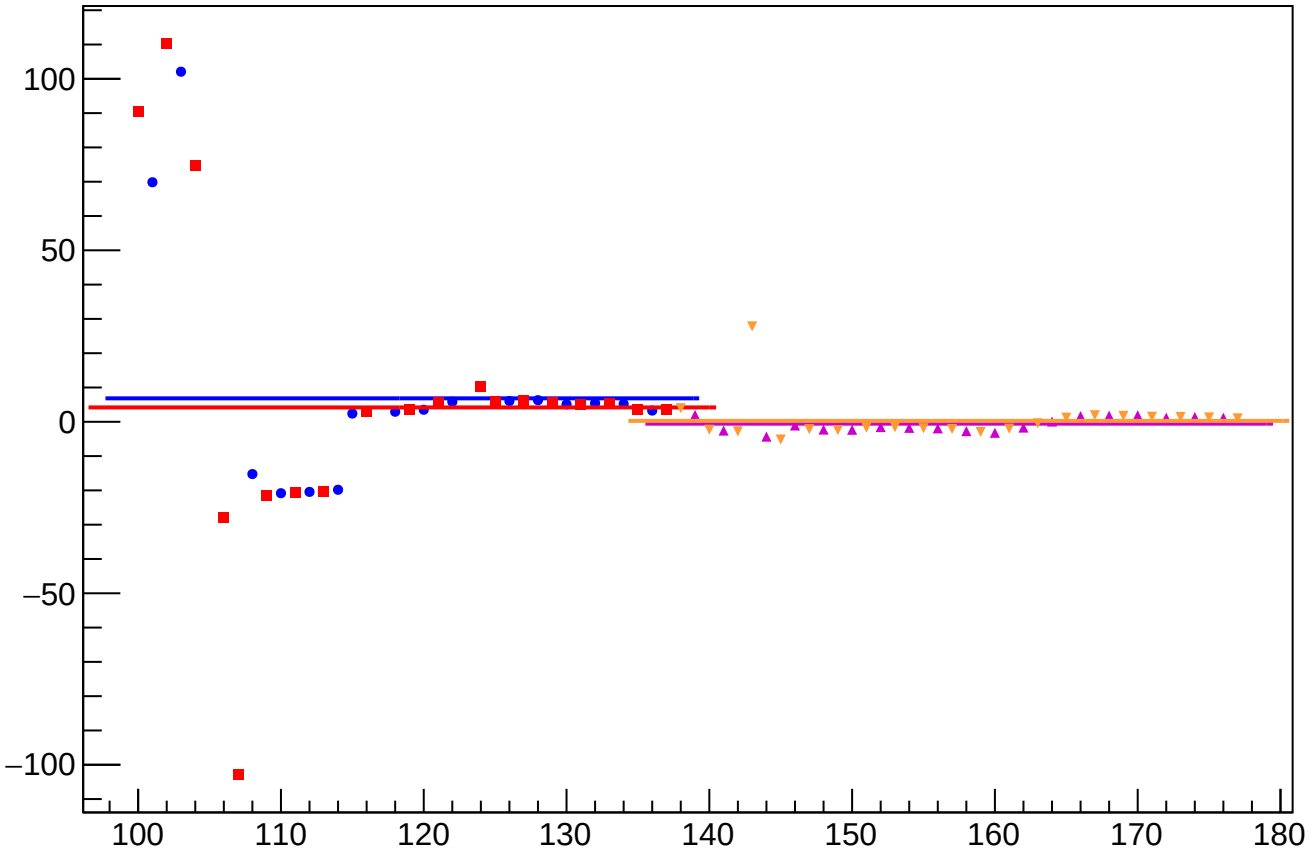
Left: 2.860+/-0.262 χ^2/NDF: 110.2/39

Right: 0.459+/-0.506 χ^2/NDF: 119.0/34

In: 2.090+/-0.334 χ^2/NDF:138.7/34

Out: 2.598+/-0.324 χ^2/NDF:107.1/39

All: 2.352+/-0.233 χ^2/NDF: 247.0/74



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: 0.269+/-0.016 χ^2/NDF:93972.4/20

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

Left In: -0.542+/-0.017 χ^2/NDF:13900.5/18

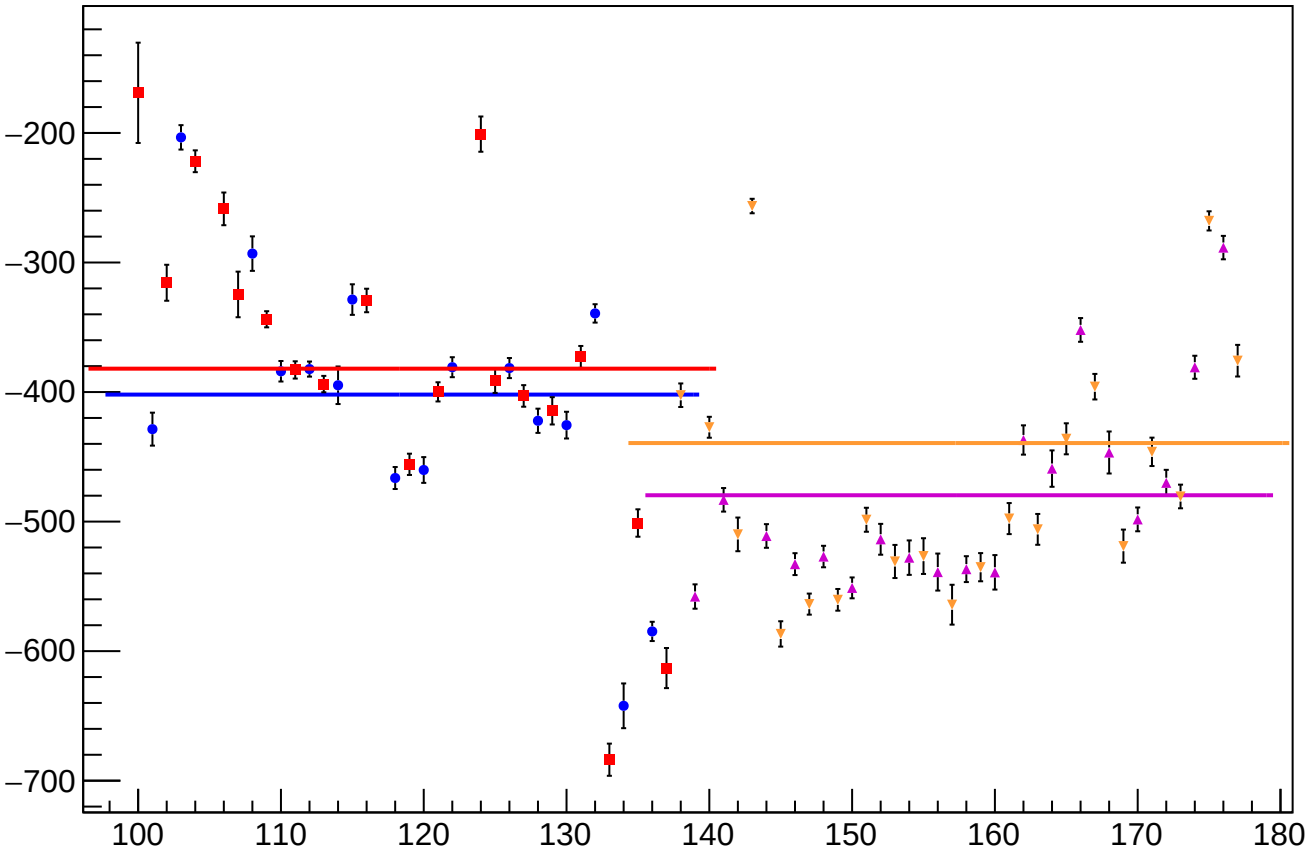
Left: -0.128+/-0.012 χ^2/NDF: 109089.8/39

Right: 5.616+/-0.031 χ^2/NDF: 757263.1/34

In: 0.422+/-0.015 χ^2/NDF:360646.8/34

Out: 0.701+/-0.015 χ^2/NDF:534902.2/39

All: 0.563+/-0.011 χ^2/NDF: 895712.2/74



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -439.367+/-2.115 χ^2/NDF:2763.1/20

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

Left In: -479.664+/-2.307 χ^2/NDF:1113.1/18

Left: -457.771+/-1.559 χ^2/NDF: 4042.0/39

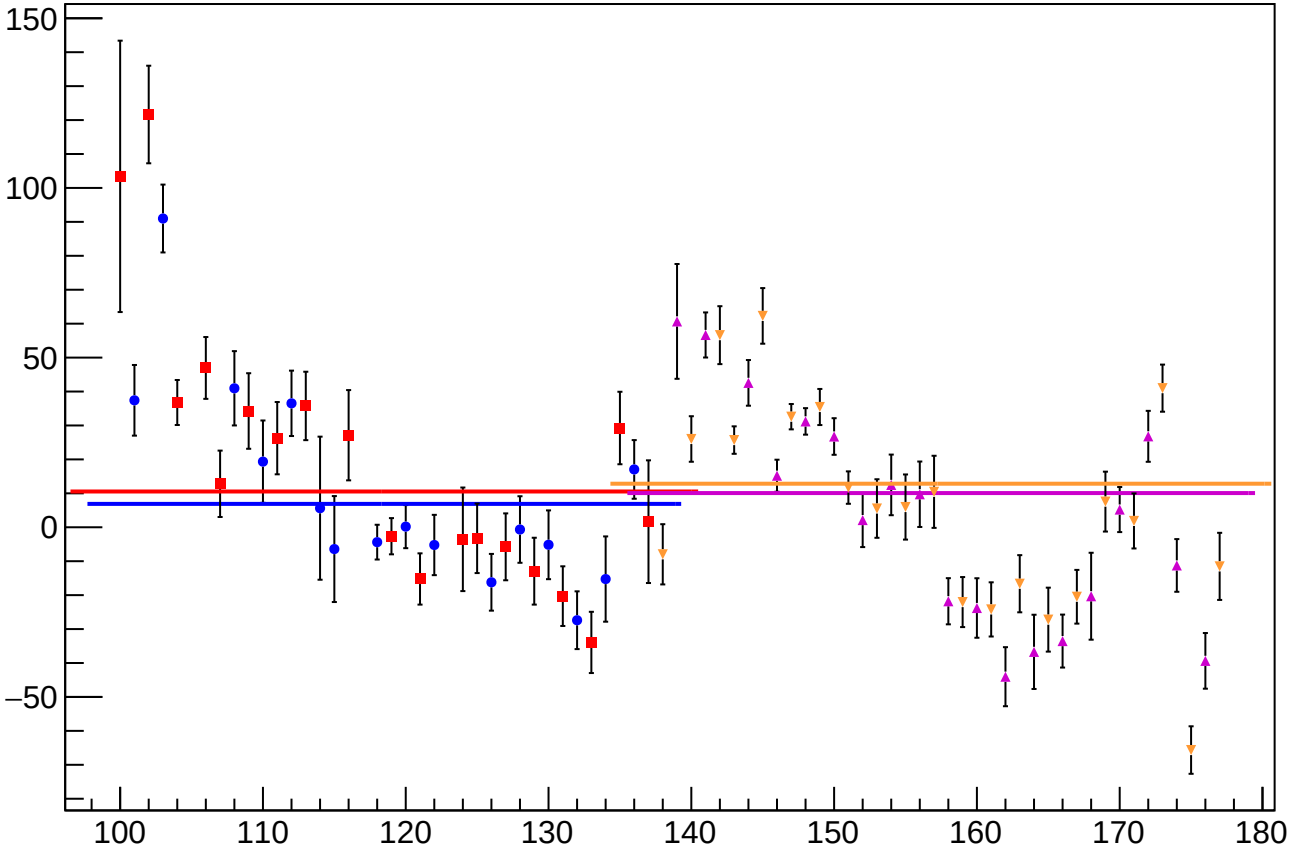
Right: -391.443+/-1.540 χ^2/NDF: 3422.8/34

In: -439.603+/-1.606 χ^2/NDF:3261.4/34

Out: -410.785+/-1.499 χ^2/NDF:4947.3/39

All: -424.205+/-1.096 χ^2/NDF: 8380.9/74

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: 12.836+/-1.469 χ^2/NDF:371.9/20

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

Left In: 10.079+/-1.616 χ^2/NDF:302.6/18

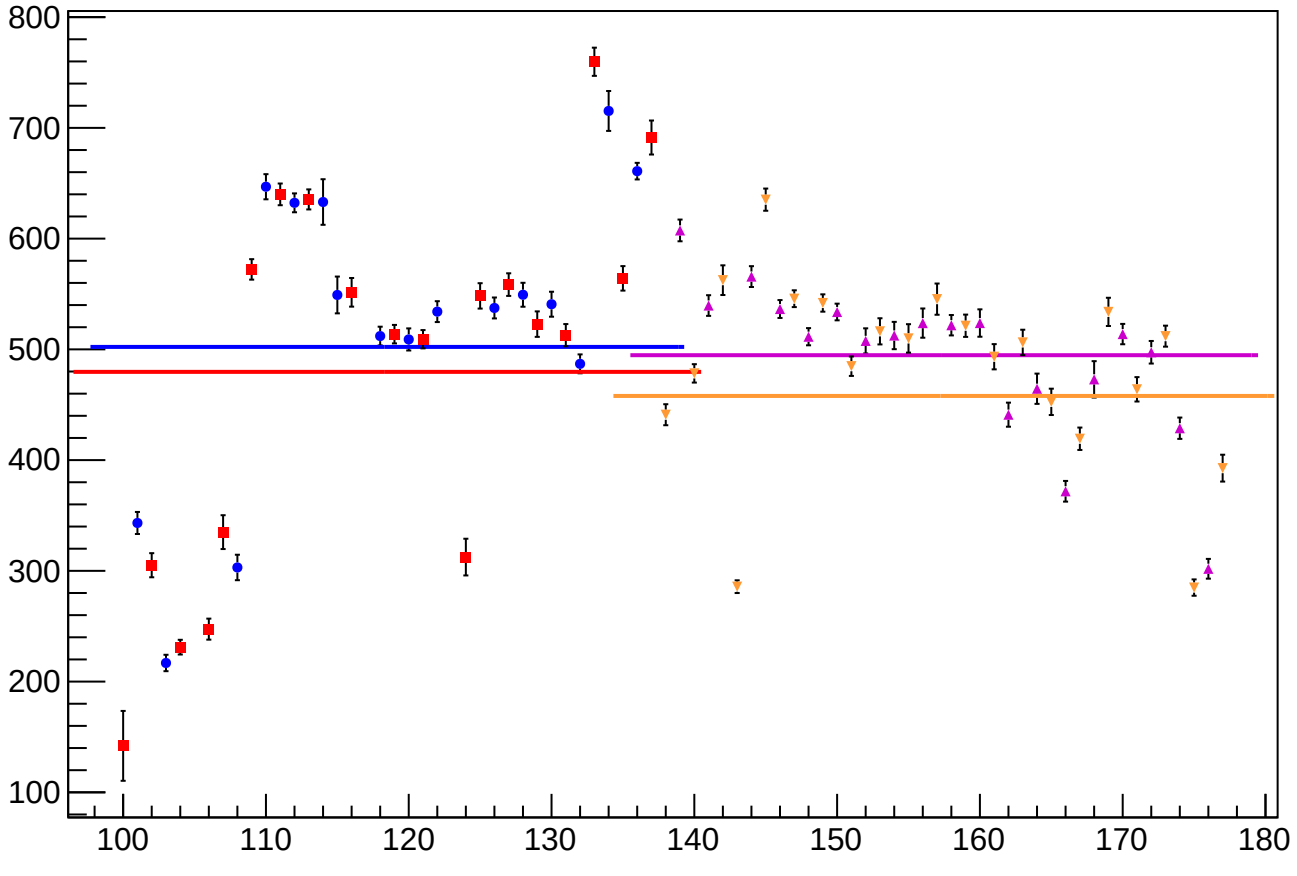
Left: 11.589+/-1.087 χ^2/NDF: 676.1/39

Right: 8.772+/-1.577 χ^2/NDF: 319.8/34

In: 9.002+/-1.316 χ^2/NDF:442.3/34

Out: 12.128+/-1.221 χ^2/NDF:552.7/39

All: 10.681+/-0.895 χ^2/NDF: 998.0/74



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 457.937+/-2.090 χ^2/NDF:2348.0/20

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

Left In: 494.733+/-2.265 χ^2/NDF:1014.8/18

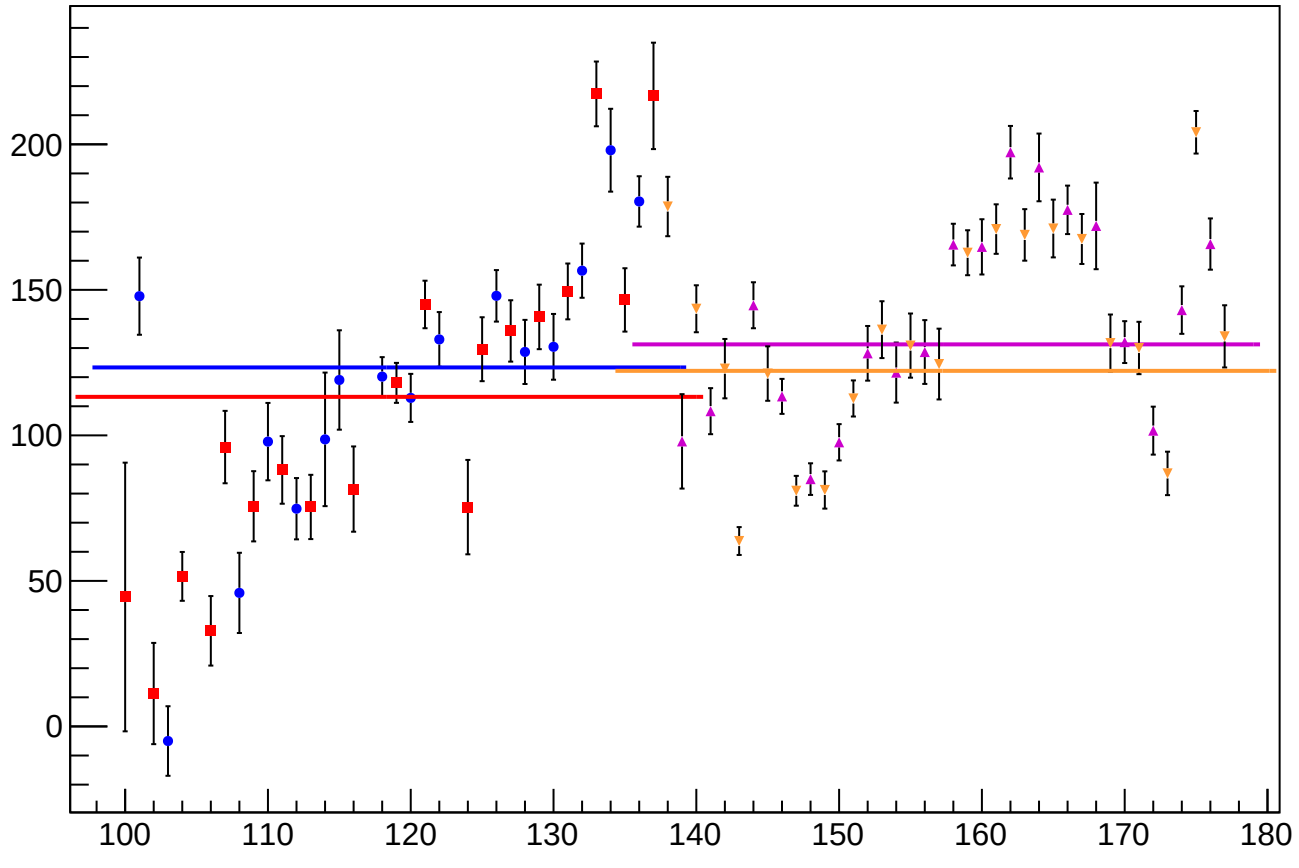
Left: 474.857+/-1.536 χ^2/NDF: 3505.4/39

Right: 490.515+/-1.729 χ^2/NDF: 7316.1/34

In: 498.116+/-1.676 χ^2/NDF:4154.9/34

Out: 467.315+/-1.576 χ^2/NDF:6533.2/39

All: 481.764+/-1.148 χ^2/NDF: 10867.4/74



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 122.168+/-1.718 χ^2/NDF:588.6/20

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

Left In: 131.265+/-1.879 χ^2/NDF:311.9/18

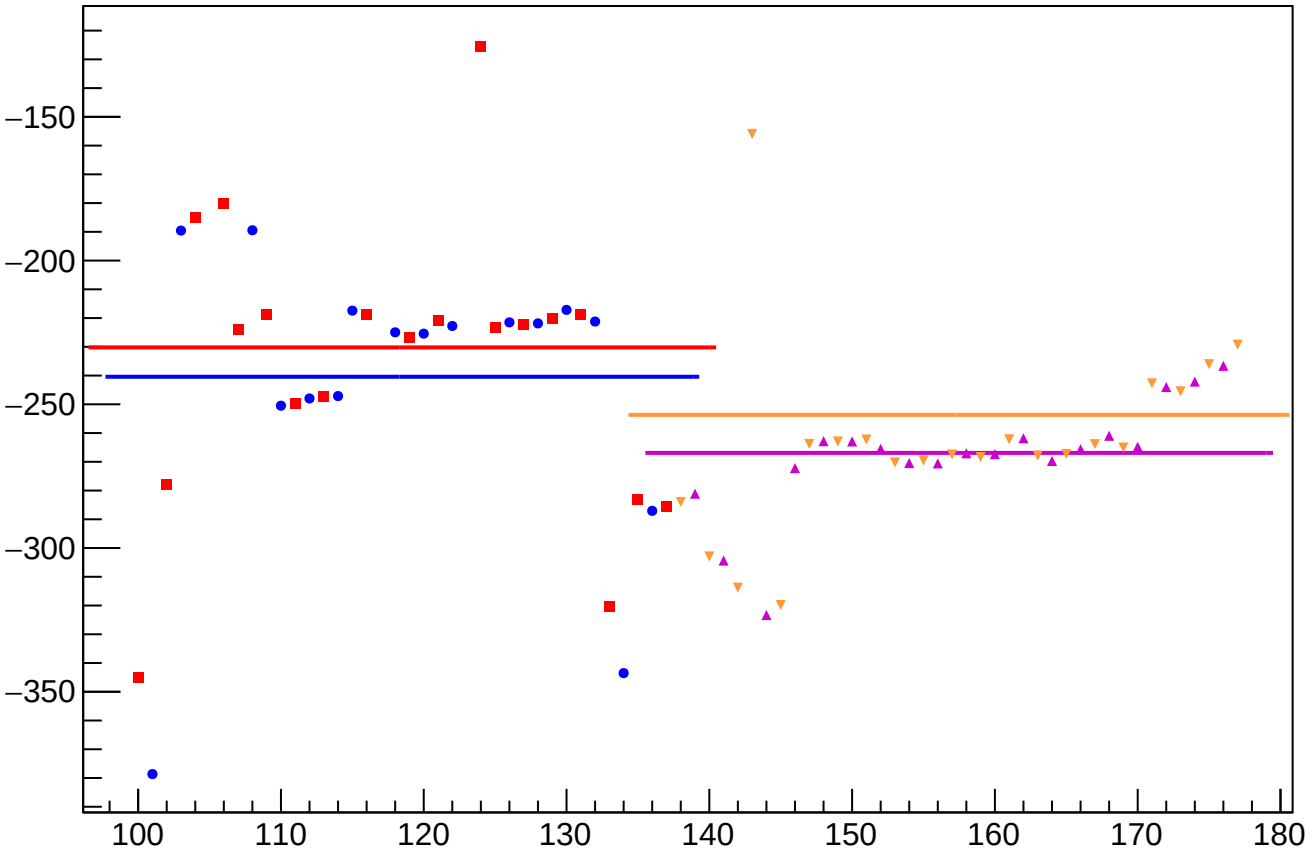
Left: 126.311+/-1.268 χ^2/NDF: 913.3/39

Right: 118.129+/-1.828 χ^2/NDF: 624.8/34

In: 128.585+/-1.528 χ^2/NDF:589.3/34

Out: 119.371+/-1.424 χ^2/NDF:942.9/39

All: 123.653+/-1.042 χ^2/NDF: 1551.6/74



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -253.667+/-0.081 χ^2/NDF:249410.6/20

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

Left In: -266.903+/-0.086 χ^2/NDF:46253.0/18

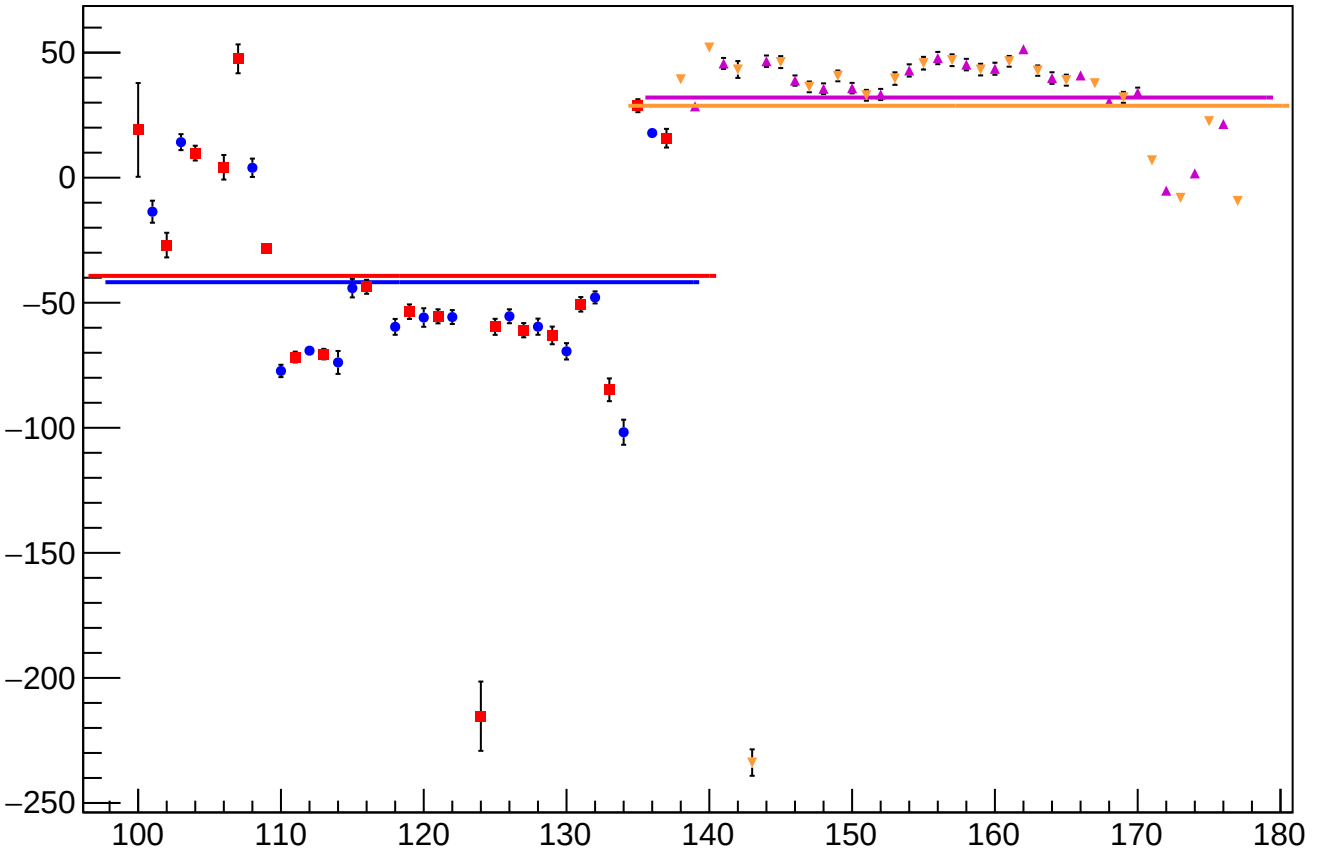
Left: -259.931+/-0.059 χ^2/NDF: 308177.3/39

Right: -235.167+/-0.105 χ^2/NDF: 219942.1/34

In: -260.404+/-0.075 χ^2/NDF:203752.8/34

Out: -248.132+/-0.071 χ^2/NDF:352437.2/39

All: -253.978+/-0.051 χ^2/NDF: 570359.1/74



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 28.754+/-0.462 χ^2/NDF:4071.0/20

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

Left In: 32.044+/-0.472 χ^2/NDF:1128.3/18

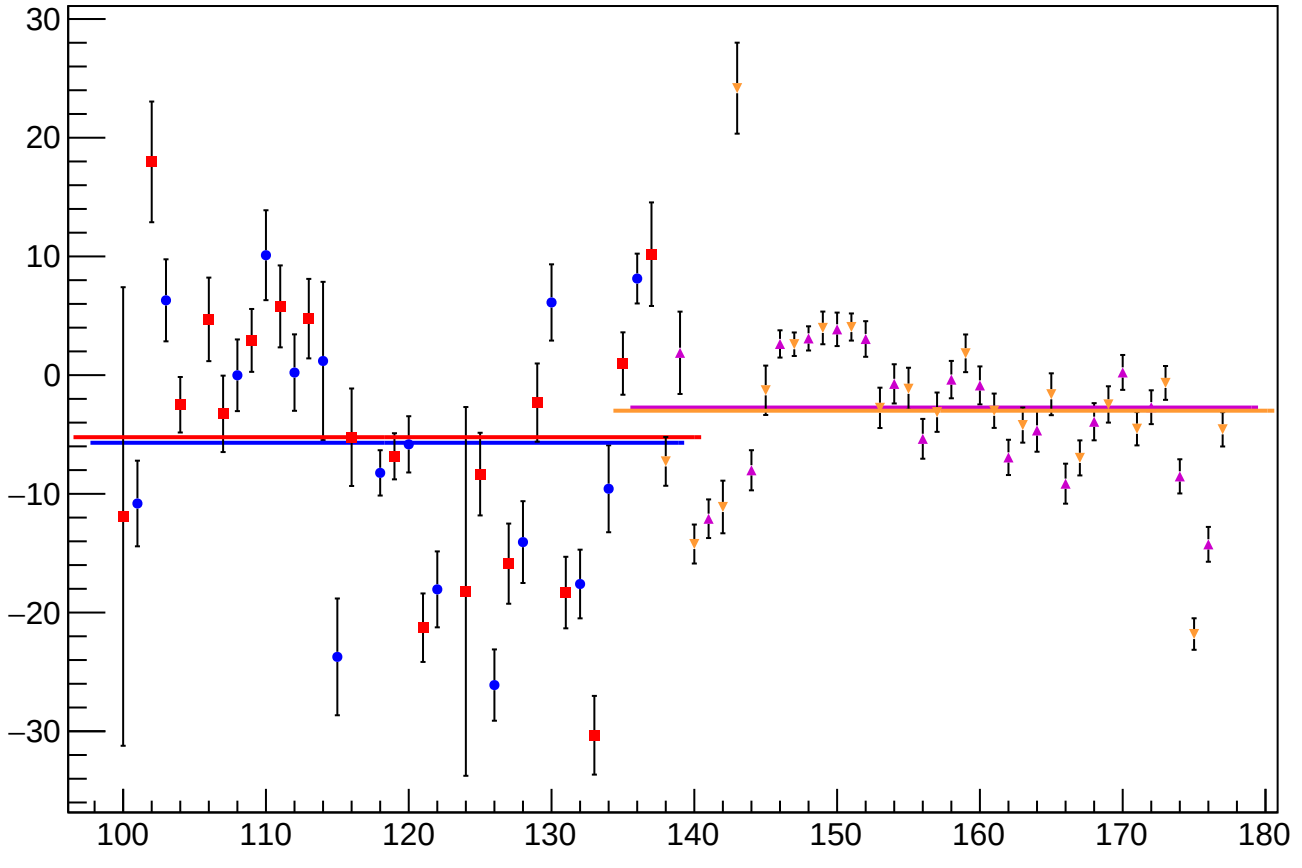
Left: 30.362+/-0.330 χ^2/NDF: 5224.1/39

Right: -40.447+/-0.495 χ^2/NDF: 4890.2/34

In: 9.983+/-0.395 χ^2/NDF:10843.4/34

Out: 7.275+/-0.382 χ^2/NDF:13402.1/39

All: 8.583+/-0.275 χ^2/NDF: 24269.9/74



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -2.995+/-0.333 χ^2/NDF:435.9/20

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

Left In: -2.730+/-0.345 χ^2/NDF:249.4/18

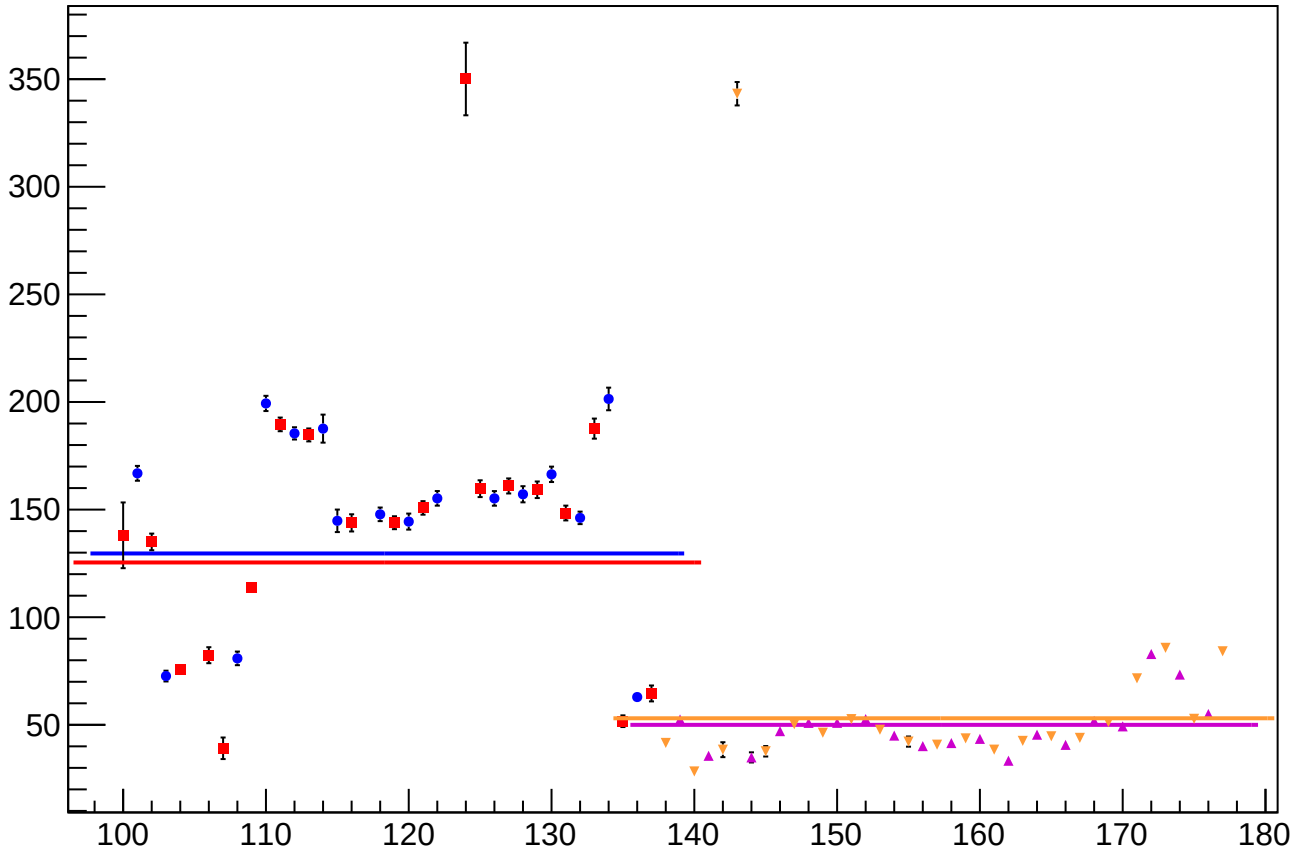
Left: -2.868+/-0.239 χ^2/NDF: 685.6/39

Right: -5.458+/-0.528 χ^2/NDF: 394.3/34

In: -3.244+/-0.313 χ^2/NDF:458.9/34

Out: -3.371+/-0.303 χ^2/NDF:640.8/39

All: -3.310+/-0.218 χ^2/NDF: 1099.8/74



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 53.041+/-0.454 χ^2/NDF:3978.7/20

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

Left In: 49.985+/-0.465 χ^2/NDF:722.1/18

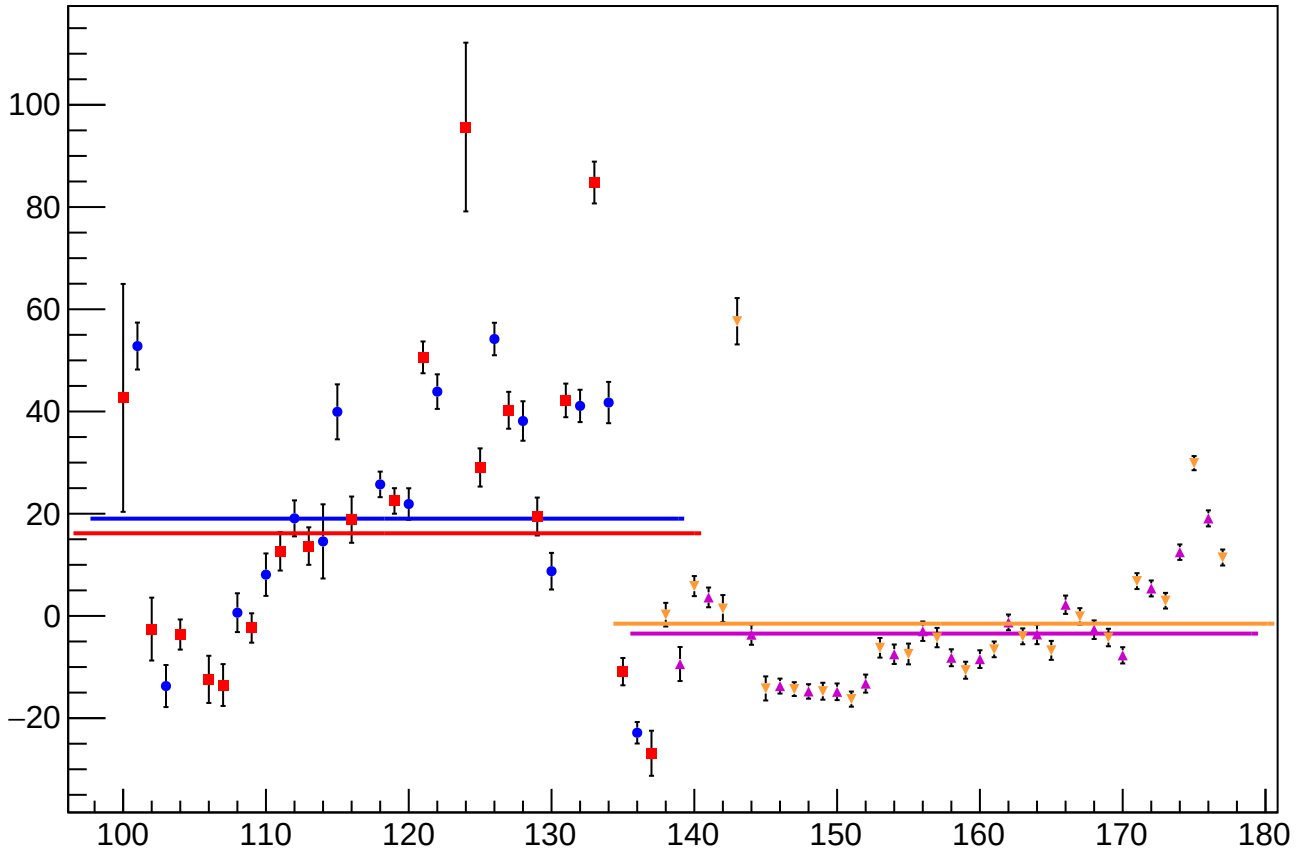
Left: 51.549+/-0.325 χ^2/NDF: 4722.9/39

Right: 127.500+/-0.562 χ^2/NDF: 7141.4/34

In: 70.068+/-0.402 χ^2/NDF:11745.2/34

Out: 71.018+/-0.394 χ^2/NDF:13797.3/39

All: 70.553+/-0.281 χ^2/NDF: 25545.3/74



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: -1.514+/-0.379 χ^2/NDF:1158.7/20

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

Left In: -3.454+/-0.393 χ^2/NDF:598.1/18

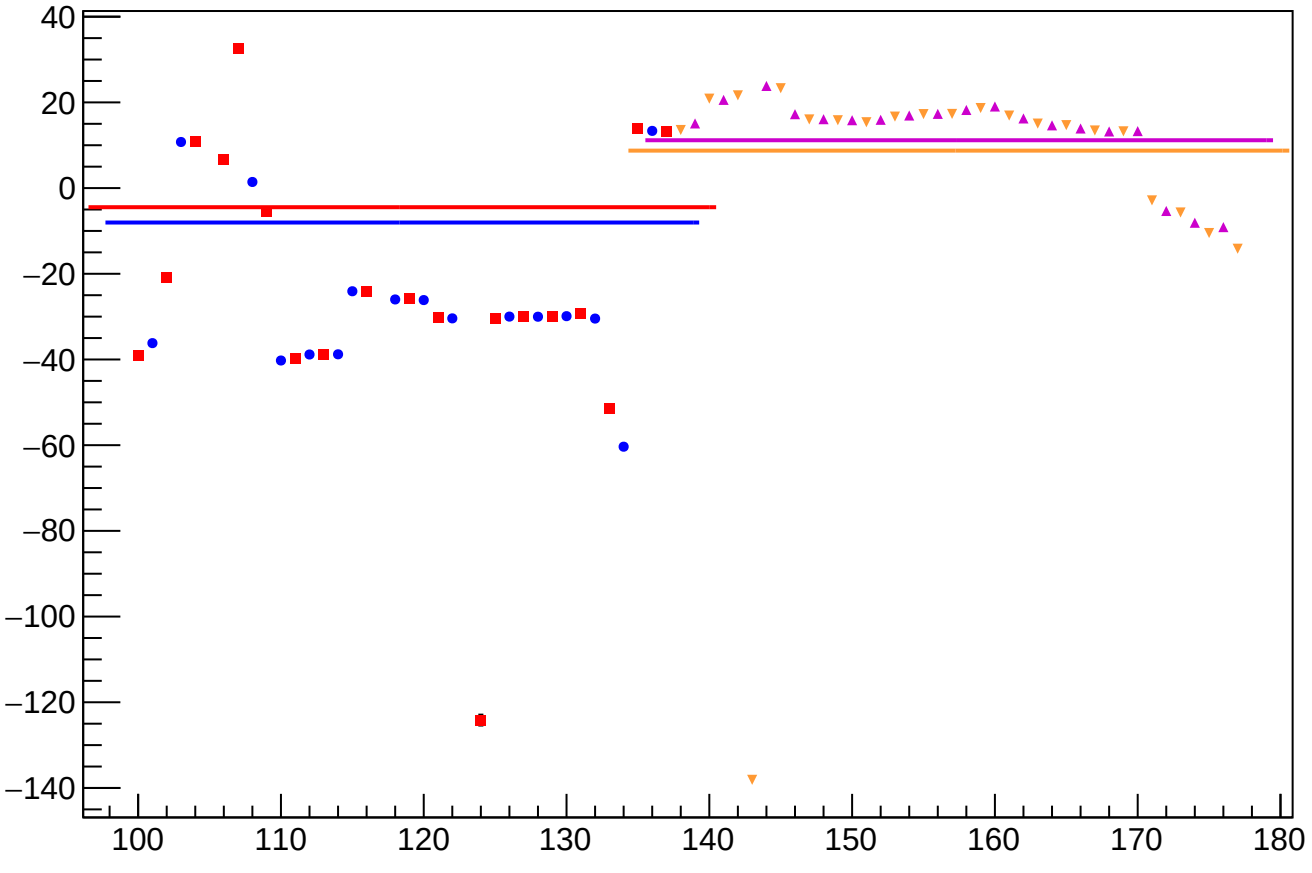
Left: -2.449+/-0.273 χ^2/NDF: 1769.5/39

Right: 17.581+/-0.603 χ^2/NDF: 1804.9/34

In: 0.428+/-0.357 χ^2/NDF:2022.1/34

Out: 1.443+/-0.346 χ^2/NDF:2464.0/39

All: 0.952+/-0.249 χ^2/NDF: 4490.3/74



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 8.744+/-0.017 χ^2/NDF:874819.7/20

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

Left In: 11.166+/-0.017 χ^2/NDF:344382.1/18

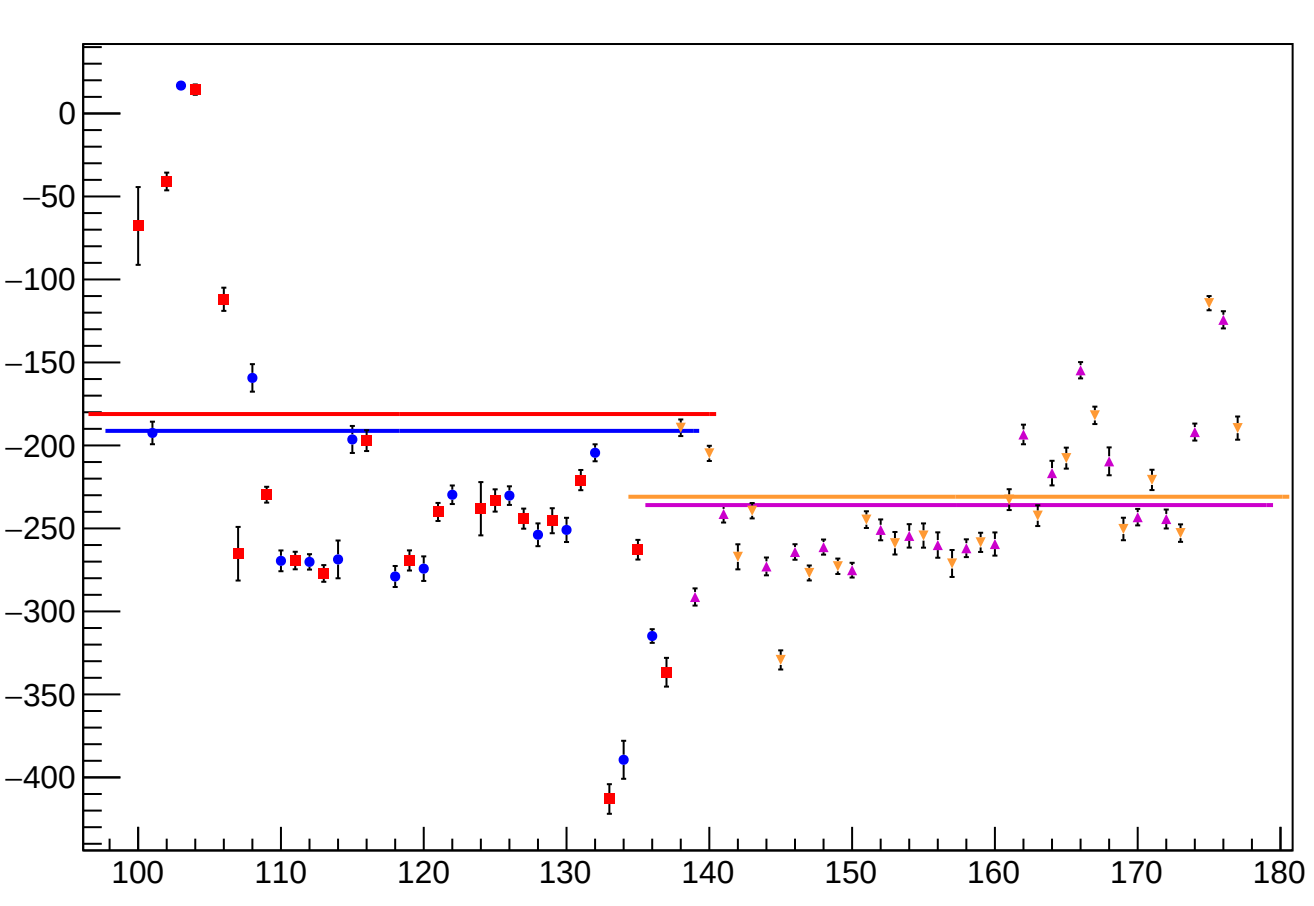
Left: 9.944+/-0.012 χ^2/NDF: 1229188.4/39

Right: -6.287+/-0.033 χ^2/NDF: 499287.4/34

In: 8.792+/-0.016 χ^2/NDF:766153.2/34

Out: 7.194+/-0.016 χ^2/NDF:1173515.2/39

All: 7.989+/-0.011 χ^2/NDF: 1944608.4/74



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -230.910+/-1.218 χ^2/NDF:1593.9/20

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

Left In: -235.934+/-1.269 χ^2/NDF:1249.8/18

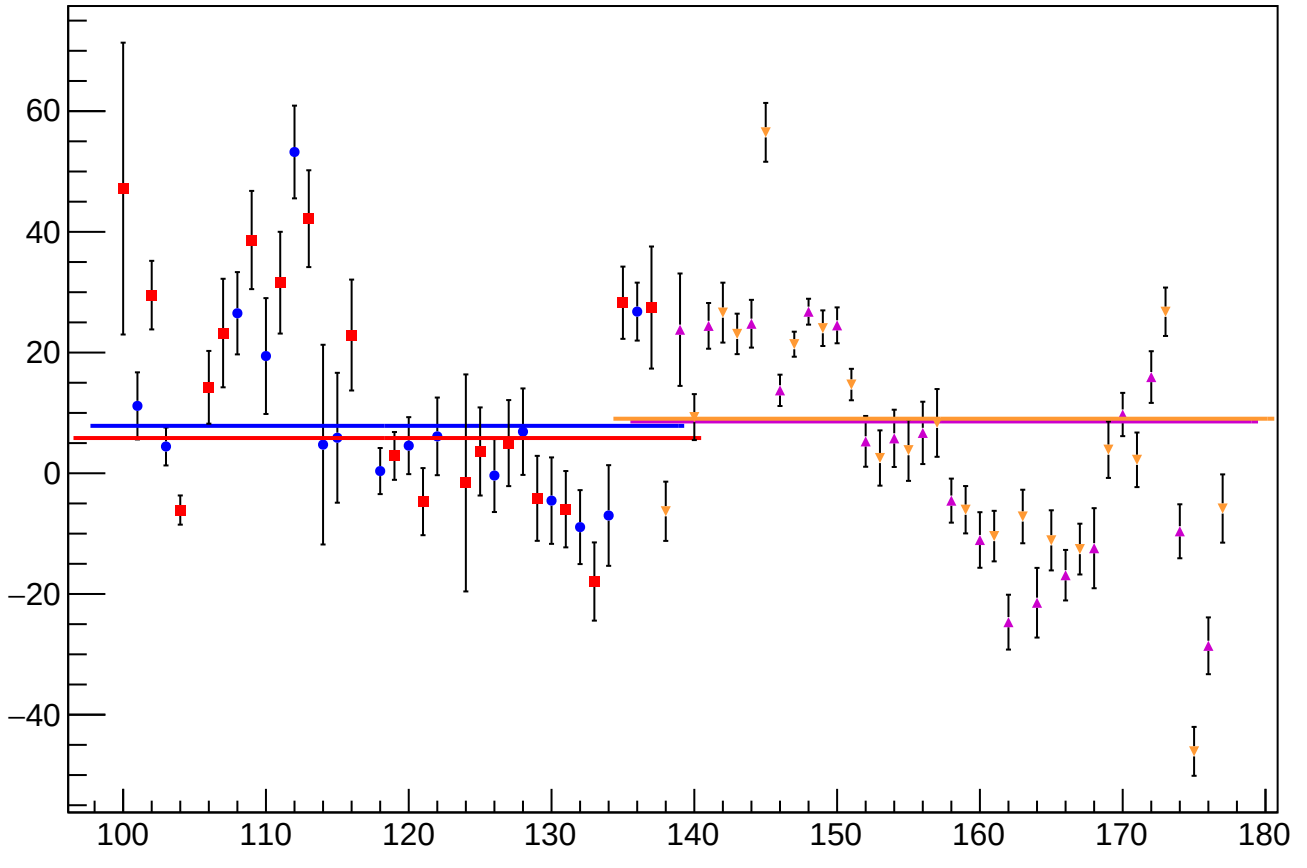
Left: -233.319+/-0.879 χ^2/NDF: 2851.9/39

Right: -186.022+/-0.990 χ^2/NDF: 14624.9/34

In: -216.059+/-0.946 χ^2/NDF:9026.2/34

Out: -209.131+/-0.914 χ^2/NDF:9699.2/39

All: -212.476+/-0.657 χ^2/NDF: 18753.1/74



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: 9.040+/-0.841 χ^2/NDF:511.2/20

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

Left In: 8.587+/-0.887 χ^2/NDF:383.3/18

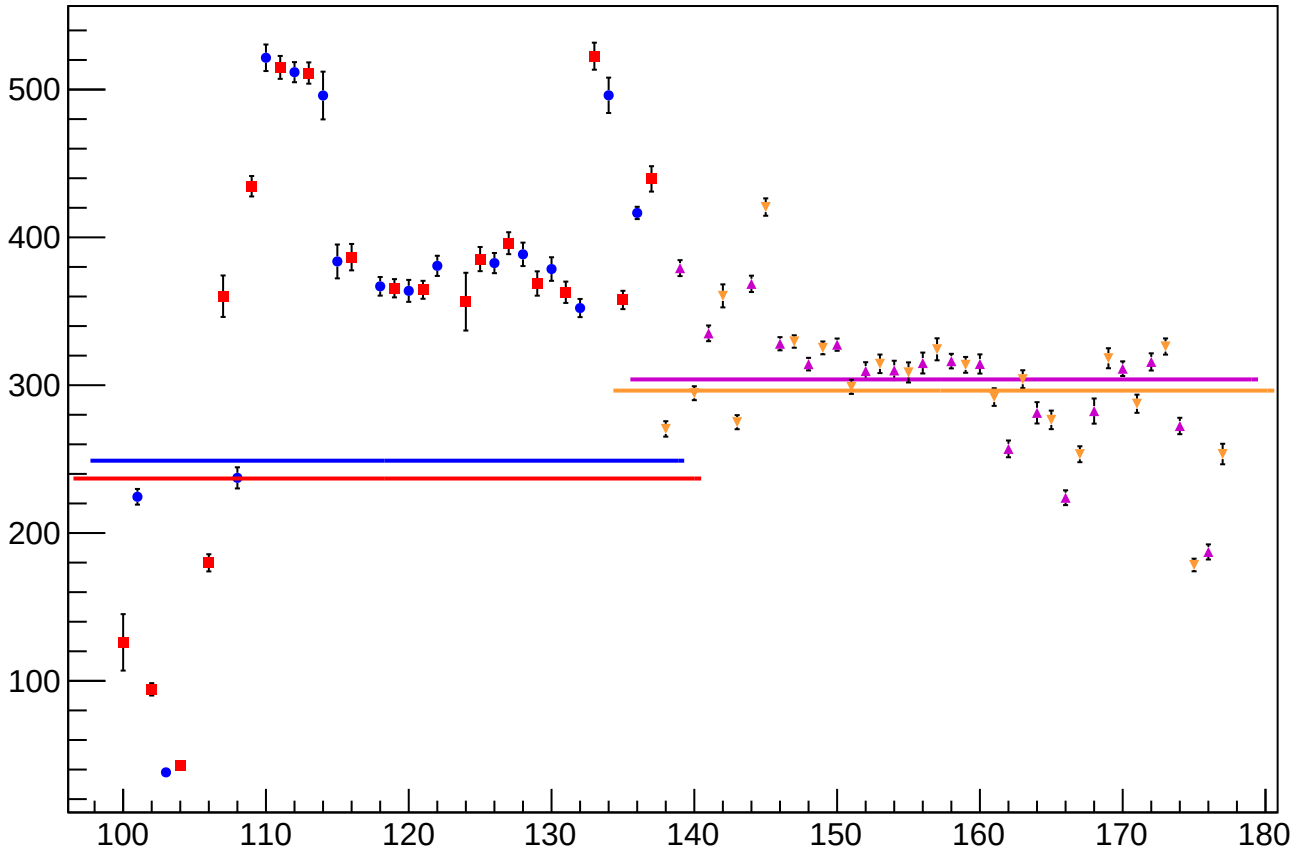
Left: 8.826+/-0.610 χ^2/NDF: 894.7/39

Right: 6.789+/-0.986 χ^2/NDF: 223.8/34

In: 8.386+/-0.755 χ^2/NDF:464.4/34

Out: 8.150+/-0.715 χ^2/NDF:657.1/39

All: 8.262+/-0.519 χ^2/NDF: 1121.6/74



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 296.344+/-1.198 χ^2/NDF:1620.6/20

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

Left In: 303.909+/-1.244 χ^2/NDF:1345.4/18

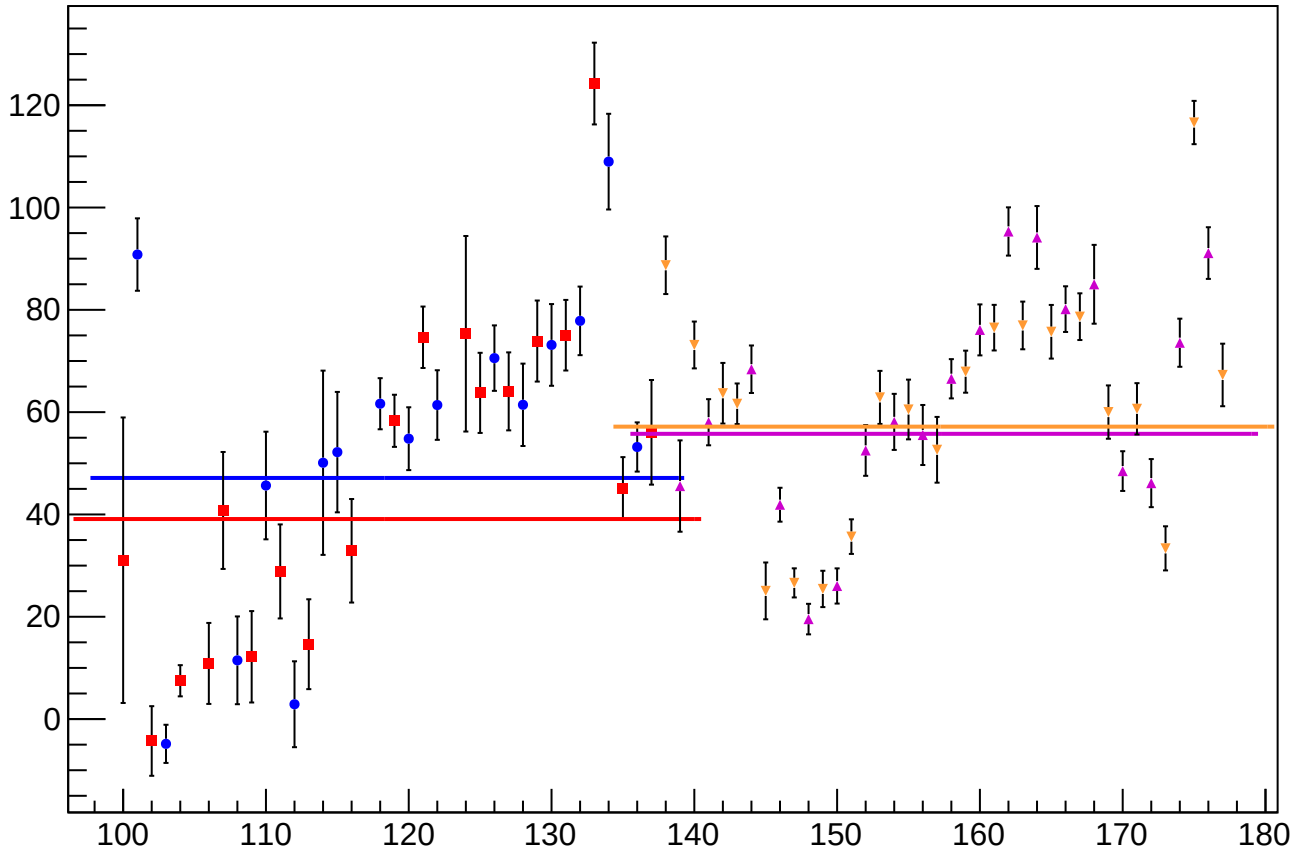
Left: 299.984+/-0.863 χ^2/NDF: 2985.2/39

Right: 242.838+/-1.000 χ^2/NDF: 30995.9/34

In: 280.075+/-0.936 χ^2/NDF:17494.7/34

Out: 271.350+/-0.912 χ^2/NDF:18314.2/39

All: 275.598+/-0.653 χ^2/NDF: 35853.5/74



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 57.166+/-0.982 χ^2/NDF:626.6/20

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

Left In: 55.762+/-1.031 χ^2/NDF:498.2/18

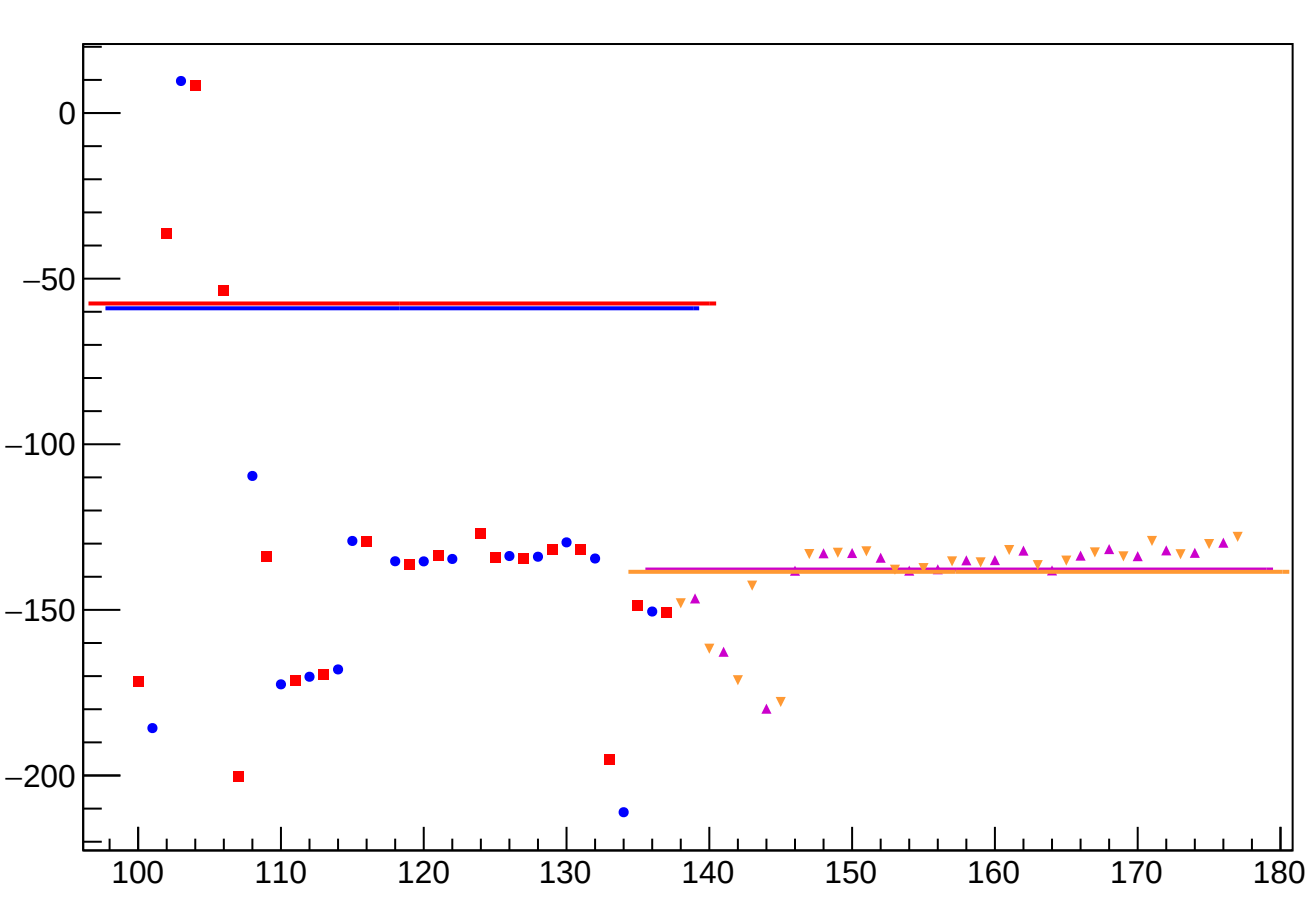
Left: 56.498+/-0.711 χ^2/NDF: 1125.7/39

Right: 42.944+/-1.153 χ^2/NDF: 813.9/34

In: 53.379+/-0.877 χ^2/NDF:902.9/34

Out: 52.207+/-0.836 χ^2/NDF:1135.9/39

All: 52.765+/-0.605 χ^2/NDF: 2039.8/74



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -138.505+/-0.046 χ^2/NDF:65726.5/20

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

Left In: -137.823+/-0.047 χ^2/NDF:51184.1/18

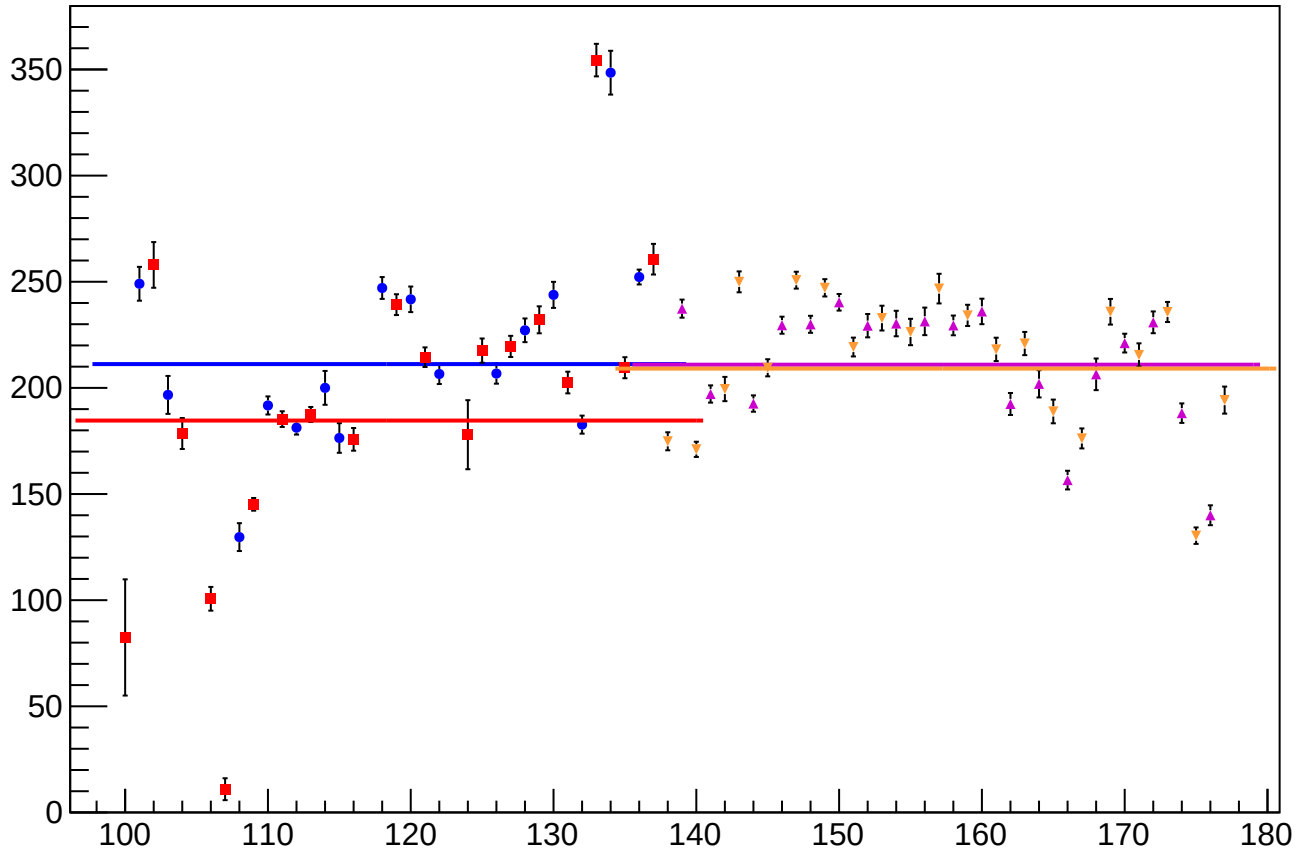
Left: -138.170+/-0.033 χ^2/NDF: 117017.8/39

Right: -58.243+/-0.052 χ^2/NDF: 2098582.3/34

In: -114.526+/-0.039 χ^2/NDF:2109610.8/34

Out: -115.888+/-0.039 χ^2/NDF:1794770.9/39

All: -115.211+/-0.028 χ^2/NDF: 3904980.9/74



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 209.095+/-1.056 χ^2/NDF:1069.9/20

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

Left In: 210.931+/-1.088 χ^2/NDF:679.9/18

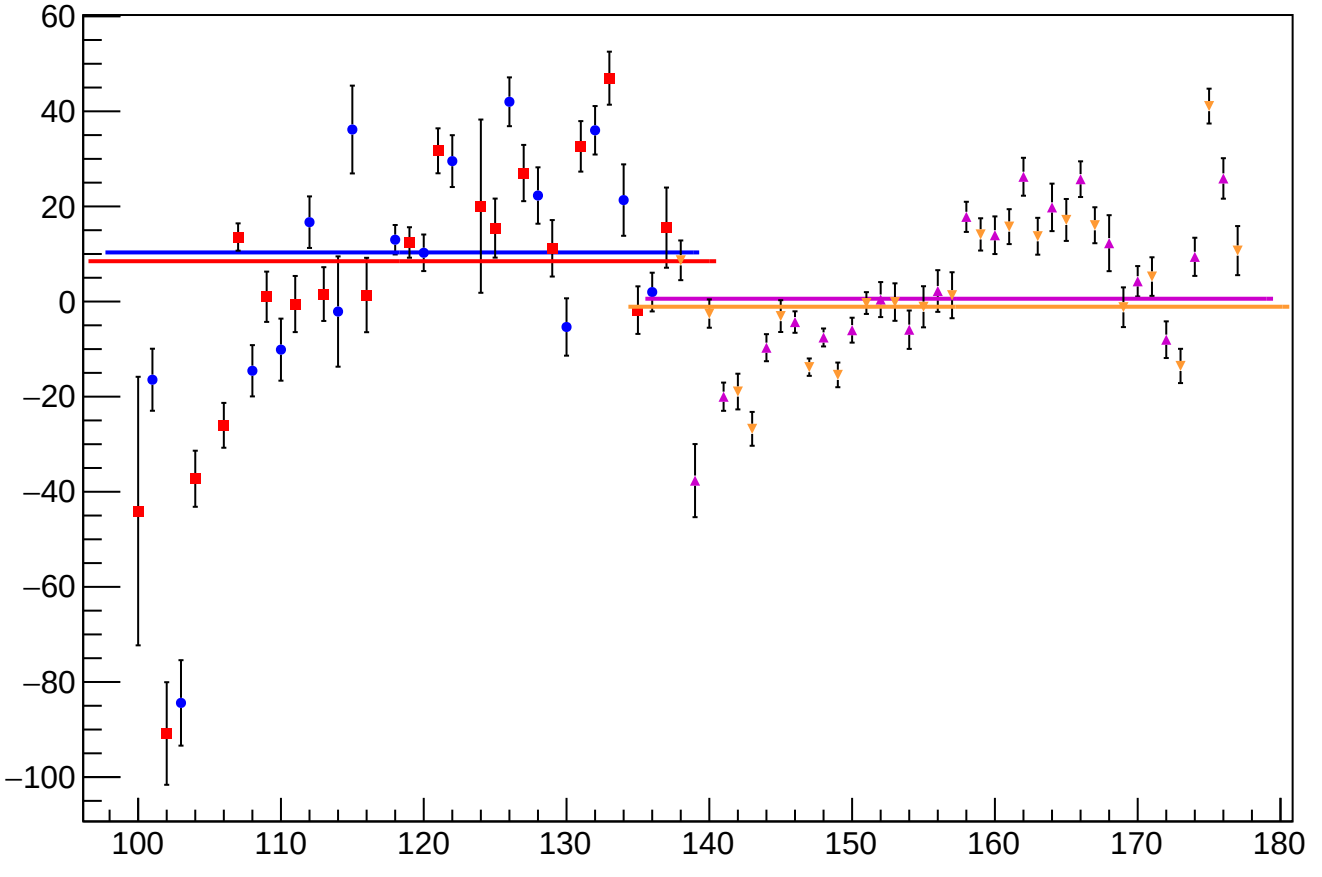
Left: 209.986+/-0.758 χ^2/NDF: 1751.3/39

Right: 196.825+/-0.878 χ^2/NDF: 3551.2/34

In: 211.046+/-0.833 χ^2/NDF:1462.9/34

Out: 198.350+/-0.791 χ^2/NDF:3846.2/39

All: 204.368+/-0.574 χ^2/NDF: 5431.3/74



Right In: 10.329+/-1.333 χ^2/NDF: 263.3/15

Left Out: -1.092+/-0.732 χ^2/NDF:405.7/20

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

Left In: 0.589+/-0.764 χ^2/NDF:310.8/18

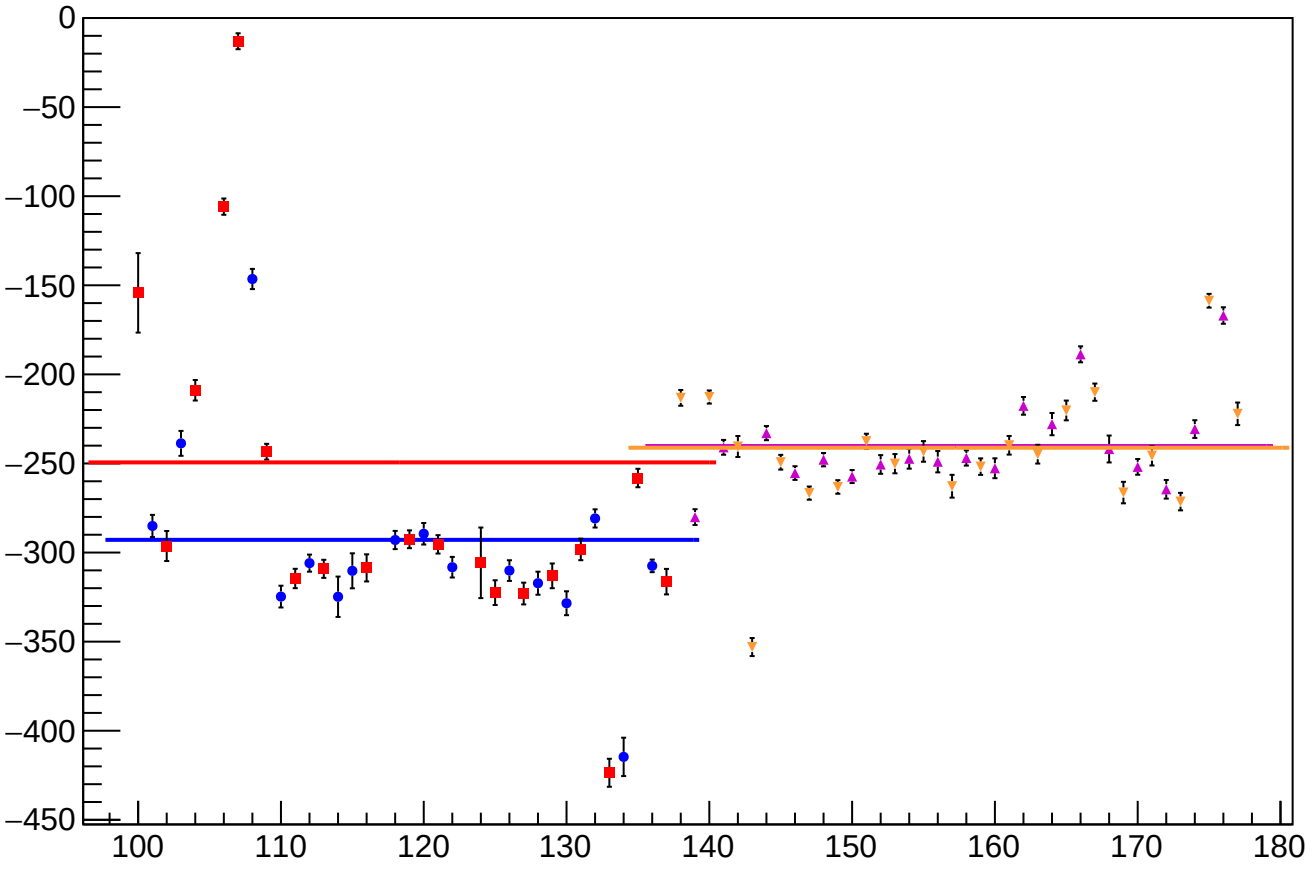
Left: -0.287+/-0.529 χ^2/NDF: 719.0/39

Right: 9.326+/-0.902 χ^2/NDF: 586.7/34

In: 2.998+/-0.663 χ^2/NDF:614.3/34

Out: 1.429+/-0.629 χ^2/NDF:773.0/39

All: 2.172+/-0.456 χ^2/NDF: 1390.2/74



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -241.176+/-1.039 χ^2/NDF:1270.0/20

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

Left In: -240.224+/-1.068 χ^2/NDF:580.1/18

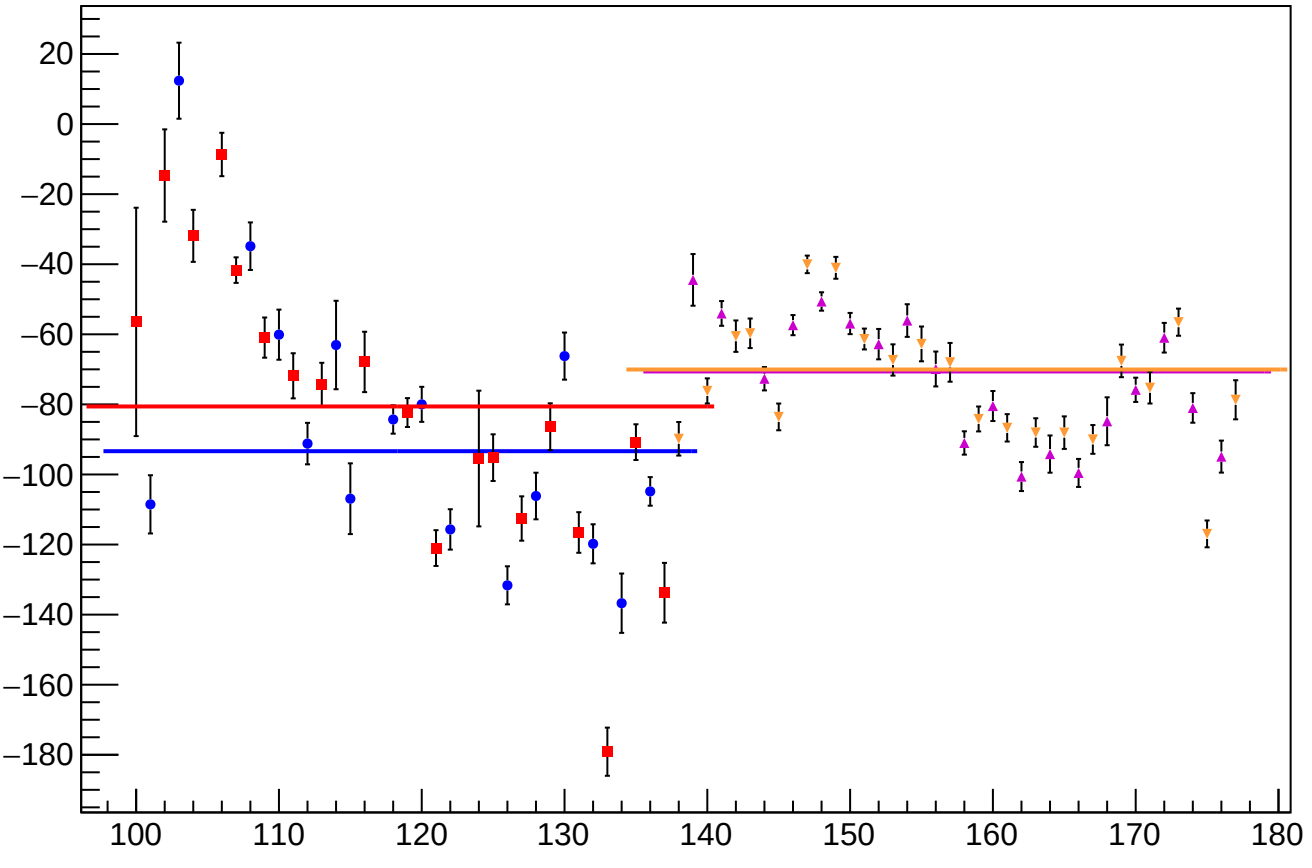
Left: -240.713+/-0.745 χ^2/NDF: 1850.5/39

Right: -269.627+/-1.001 χ^2/NDF: 6821.1/34

In: -258.448+/-0.863 χ^2/NDF:2405.1/34

Out: -244.186+/-0.828 χ^2/NDF:6661.4/39

All: -251.016+/-0.597 χ^2/NDF: 9208.7/74



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -70.048+/-0.855 χ^2/NDF:542.7/20

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

Left In: -70.604+/-0.888 χ^2/NDF:361.0/18

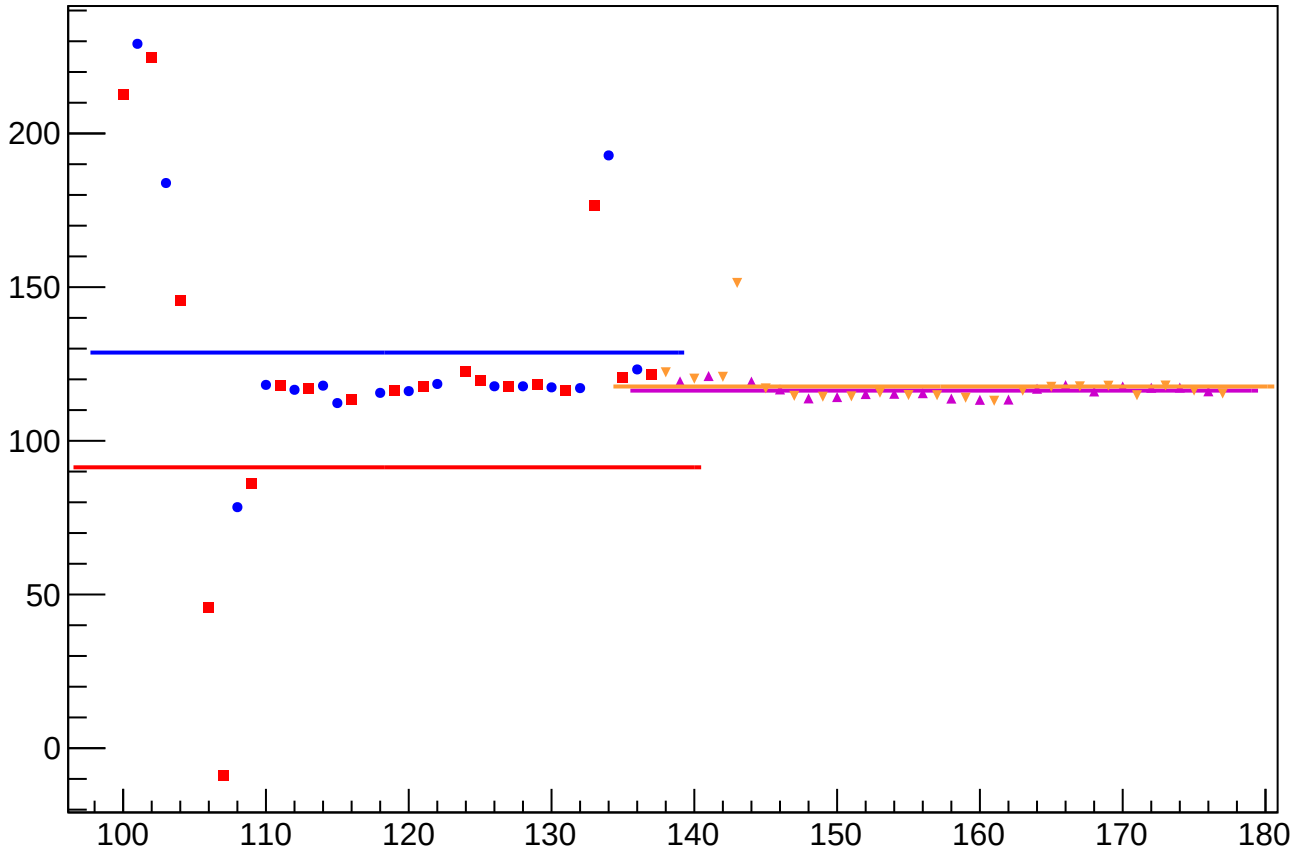
Left: -70.316+/-0.616 χ^2/NDF: 903.9/39

Right: -86.499+/-1.044 χ^2/NDF: 1107.8/34

In: -76.311+/-0.768 χ^2/NDF:881.1/34

Out: -72.842+/-0.733 χ^2/NDF:1298.3/39

All: -74.495+/-0.530 χ^2/NDF: 2190.1/74



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 117.675+/-0.040 χ^2/NDF:29844.9/20

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

Left In: 116.335+/-0.040 χ^2/NDF:2990.0/18

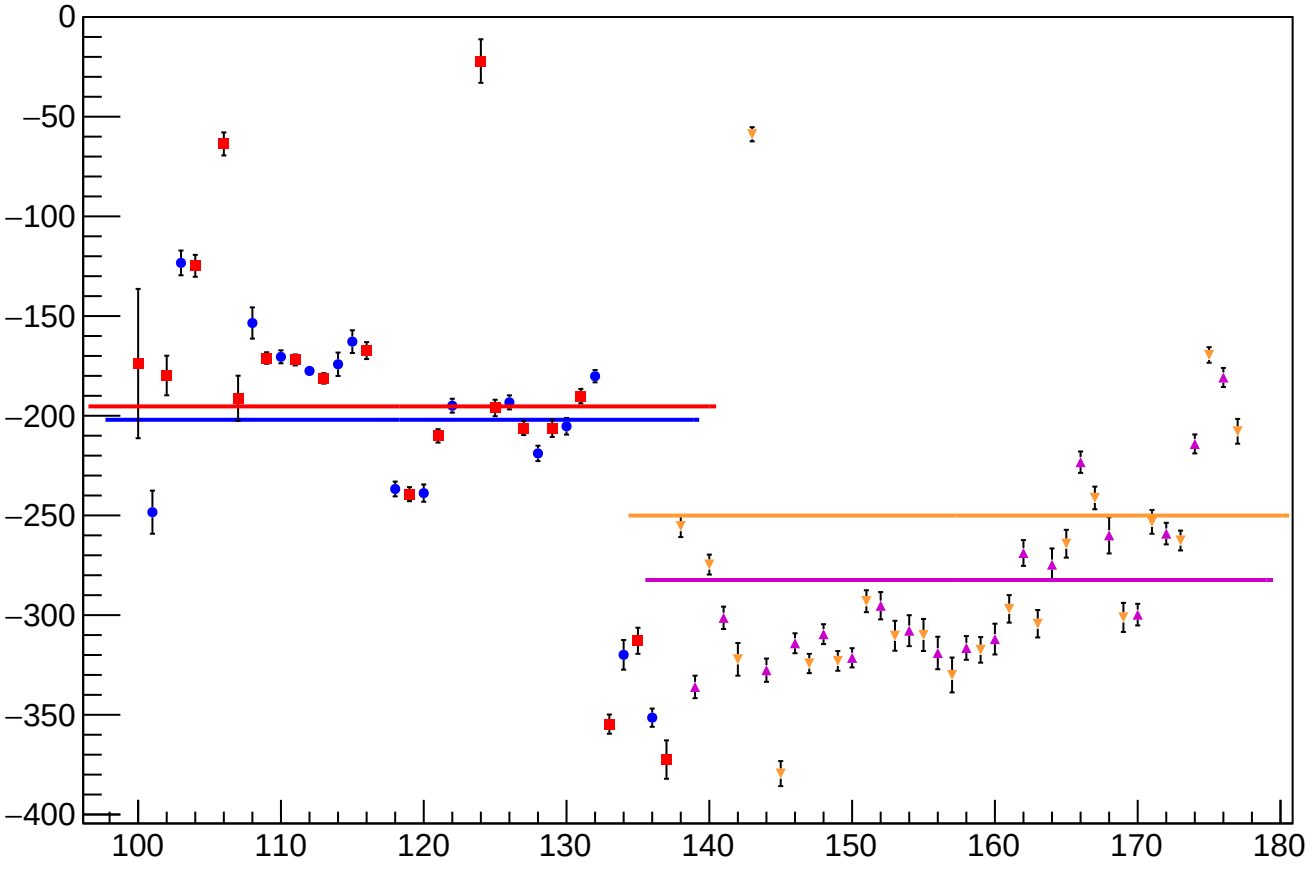
Left: 117.011+/-0.029 χ^2/NDF: 33387.1/39

Right: 107.821+/-0.059 χ^2/NDF: 886599.9/34

In: 118.454+/-0.037 χ^2/NDF:202501.4/34

Out: 112.288+/-0.036 χ^2/NDF:722678.1/39

All: 115.279+/-0.026 χ^2/NDF: 939577.8/74



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -250.054+/-1.239 χ^2/NDF:4887.6/20

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

Left In: -282.376+/-1.342 χ^2/NDF:1194.3/18

Left: -264.924+/-0.910 χ^2/NDF: 6395.1/39

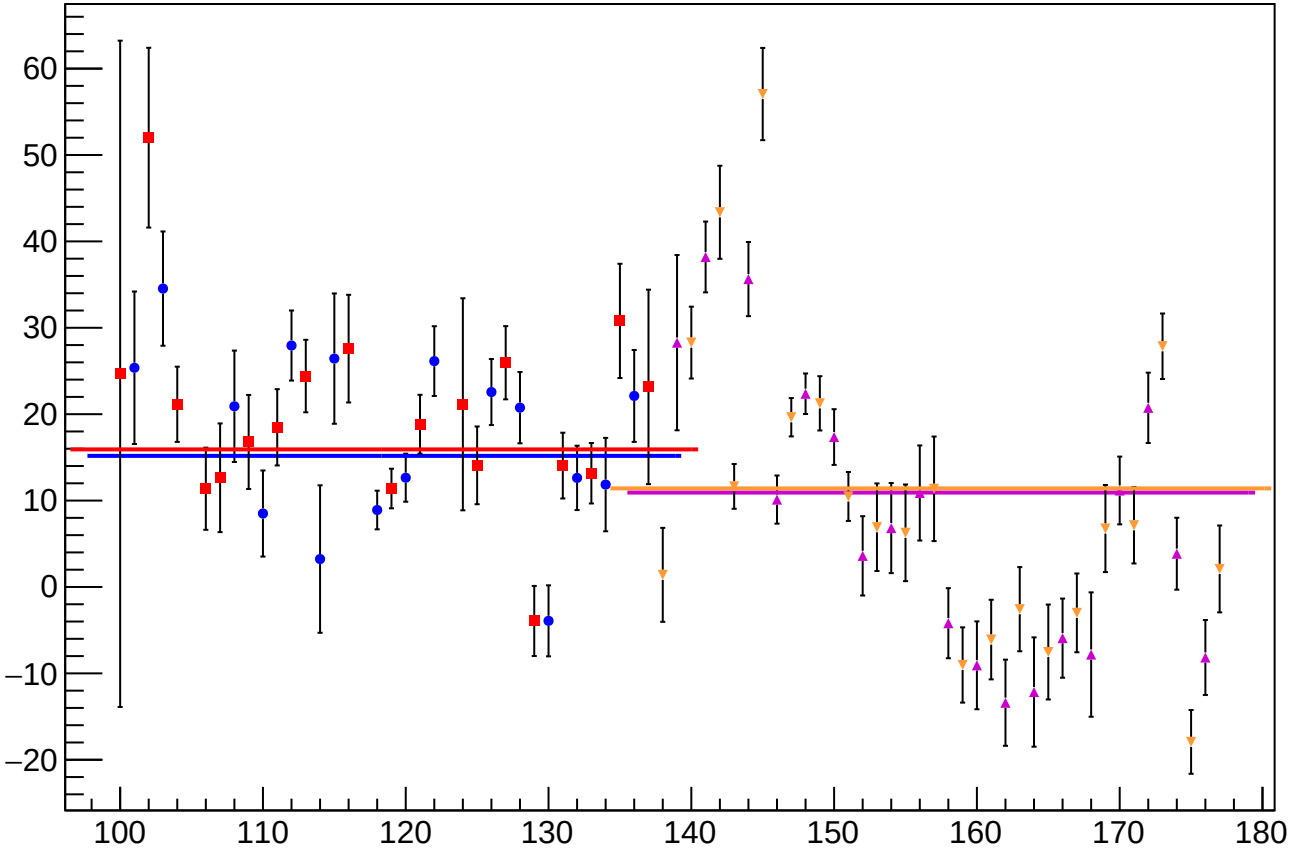
Right: -198.498+/-0.706 χ^2/NDF: 5163.6/34

In: -231.600+/-0.814 χ^2/NDF:5501.1/34

Out: -216.232+/-0.766 χ^2/NDF:9195.3/39

All: -223.446+/-0.558 χ^2/NDF: 14885.5/74

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 11.410+/-0.866 χ^2/NDF:307.2/20

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

Left In: 10.928+/-0.947 χ^2/NDF:226.1/18

Left: 11.190+/-0.639 χ^2/NDF: 533.5/39

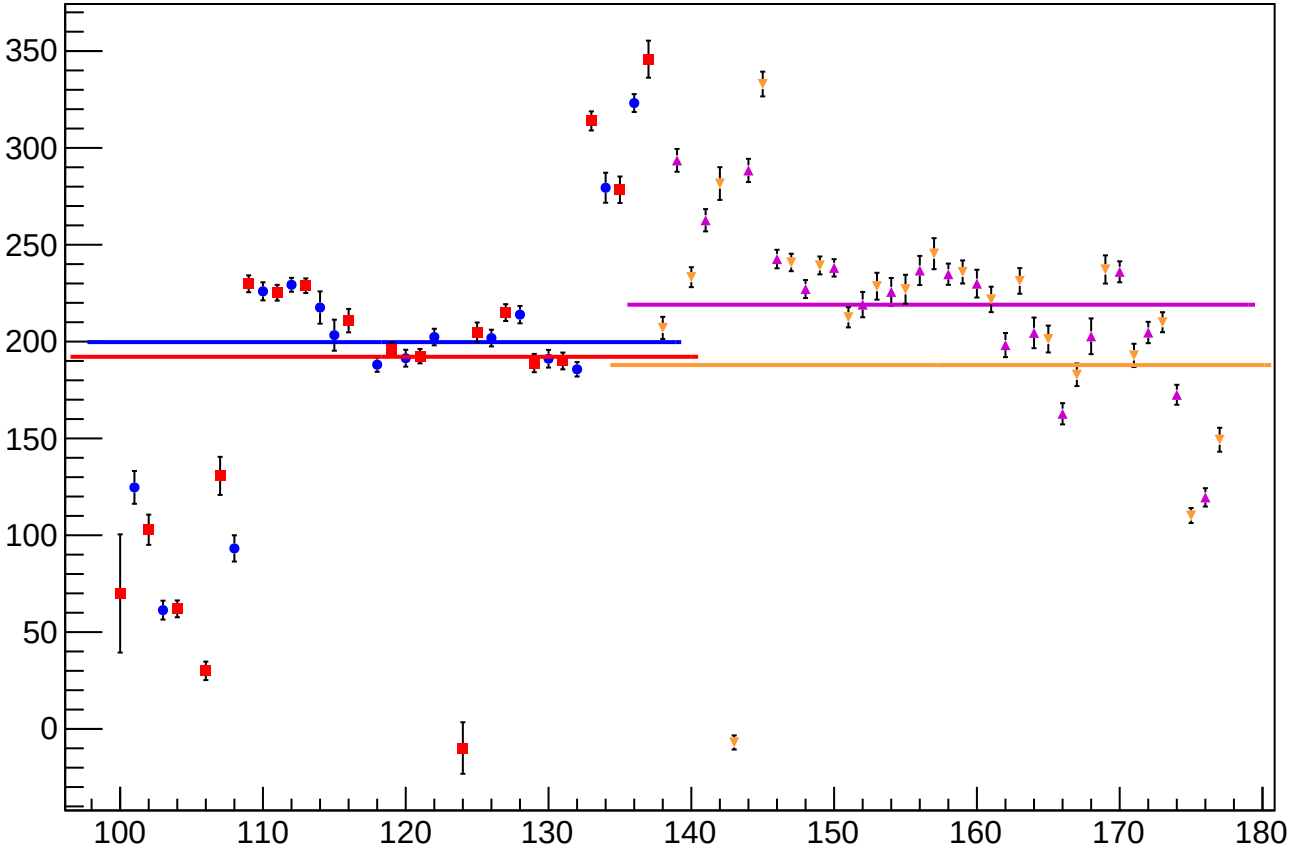
Right: 15.554+/-0.737 χ^2/NDF: 136.1/34

In: 12.838+/-0.703 χ^2/NDF:307.5/34

Out: 13.266+/-0.665 χ^2/NDF:381.9/39

All: 13.063+/-0.483 χ^2/NDF: 689.7/74

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: 187.876+/-1.223 χ^2/NDF:4600.6/20

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

Left In: 219.047+/-1.319 χ^2/NDF:1075.4/18

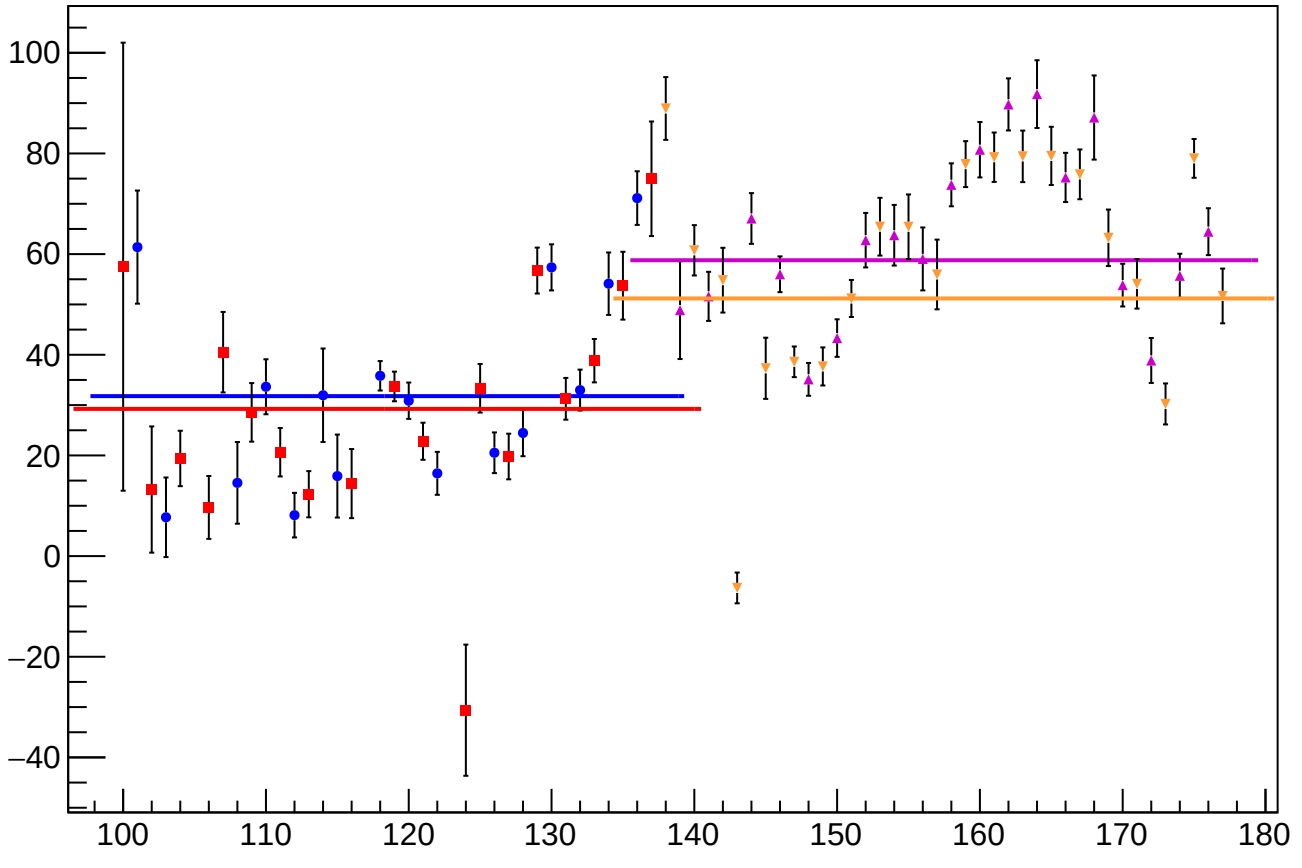
Left: 202.284+/-0.897 χ^2/NDF: 5976.5/39

Right: 195.793+/-0.829 χ^2/NDF: 5899.5/34

In: 208.442+/-0.886 χ^2/NDF:3294.9/34

Out: 190.146+/-0.838 χ^2/NDF:8384.2/39

All: 198.785+/-0.609 χ^2/NDF: 11904.3/74



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 51.190+/-1.008 χ^2/NDF:670.6/20

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

Left In: 58.783+/-1.096 χ^2/NDF:211.7/18

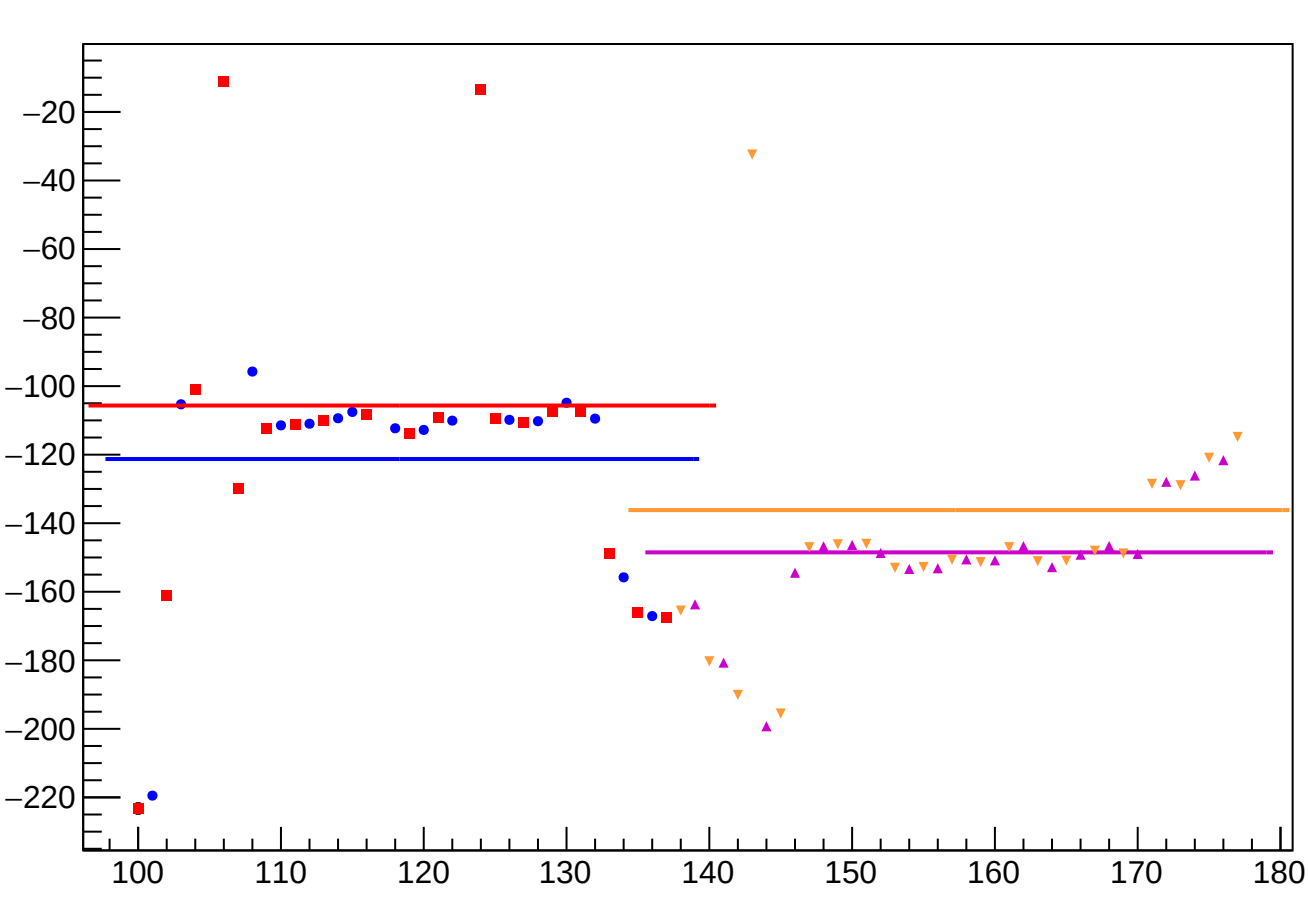
Left: 54.668+/-0.742 χ^2/NDF: 908.3/39

Right: 30.492+/-0.853 χ^2/NDF: 320.1/34

In: 46.680+/-0.814 χ^2/NDF:660.5/34

Out: 42.081+/-0.771 χ^2/NDF:1008.2/39

All: 44.254+/-0.560 χ^2/NDF: 1685.6/74



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -136.173+/-0.047 χ^2/NDF:657689.3/20

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

Left In: -148.505+/-0.050 χ^2/NDF:106827.5/18

Left: -142.035+/-0.034 χ^2/NDF: 796650.8/39

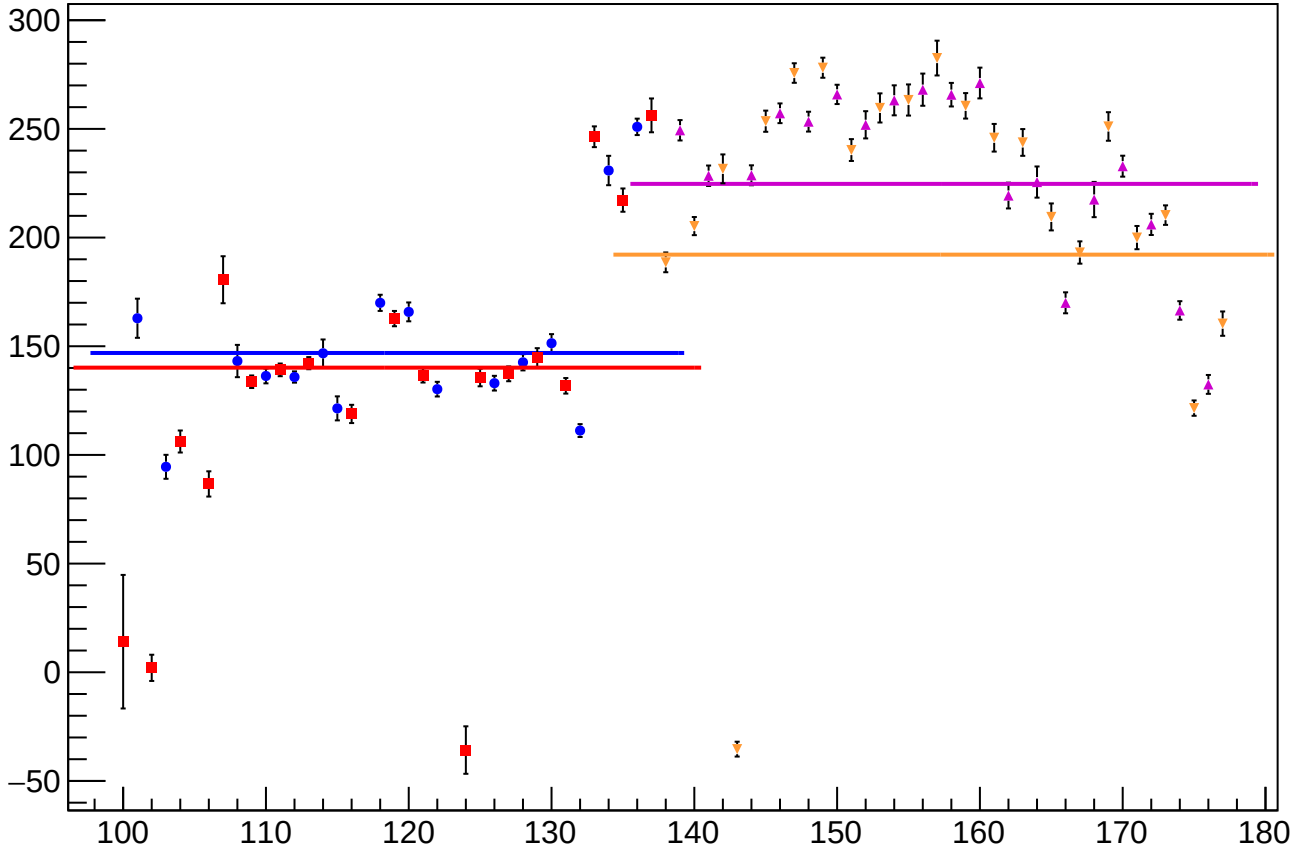
Right: -113.006+/-0.054 χ^2/NDF: 495037.6/34

In: -140.784+/-0.042 χ^2/NDF:310920.1/34

Out: -127.406+/-0.040 χ^2/NDF:1131682.8/39

All: -133.748+/-0.029 χ^2/NDF: 1495512.7/74

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 192.144+/-1.109 χ^2/NDF:6561.3/20

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

Left In: 224.700+/-1.192 χ^2/NDF:1176.4/18

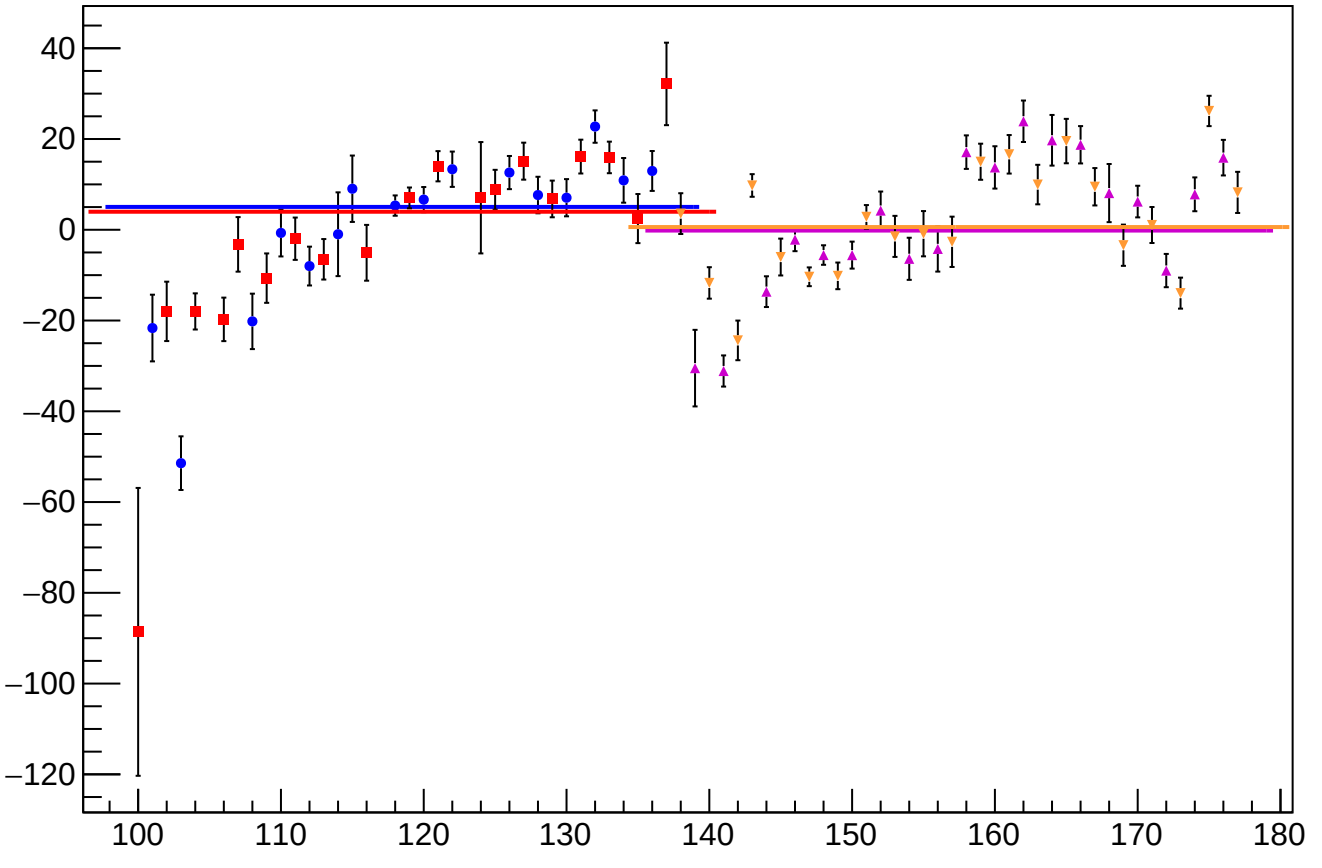
Left: 207.245+/-0.812 χ^2/NDF: 8137.6/39

Right: 143.381+/-0.694 χ^2/NDF: 3276.2/34

In: 179.160+/-0.768 χ^2/NDF:4971.1/34

Out: 162.428+/-0.726 χ^2/NDF:9768.4/39

All: 170.326+/-0.527 χ^2/NDF: 14990.4/74



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: 0.598+/-0.782 χ^2/NDF:236.9/20

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

Left In: -0.176+/-0.849 χ^2/NDF:248.3/18

Left: 0.243+/-0.575 χ^2/NDF: 485.6/39

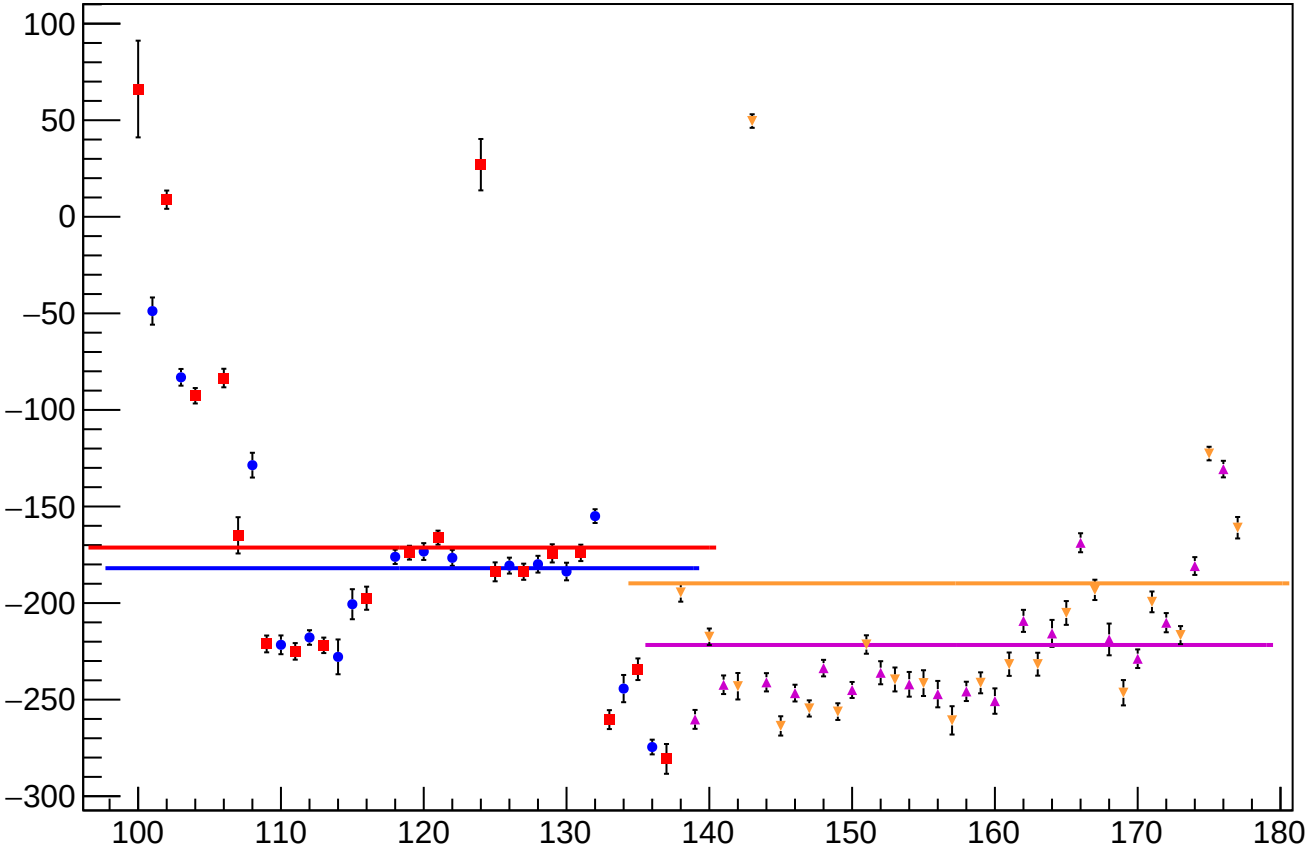
Right: 4.501+/-0.719 χ^2/NDF: 317.3/34

In: 1.955+/-0.653 χ^2/NDF:435.6/34

Out: 1.860+/-0.619 χ^2/NDF:388.7/39

All: 1.905+/-0.449 χ^2/NDF: 824.3/74

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: -189.792+/-1.097 χ^2/NDF:6388.1/20

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

Left In: -221.701+/-1.174 χ^2/NDF:900.8/18

Left: -204.656+/-0.802 χ^2/NDF: 7683.2/39

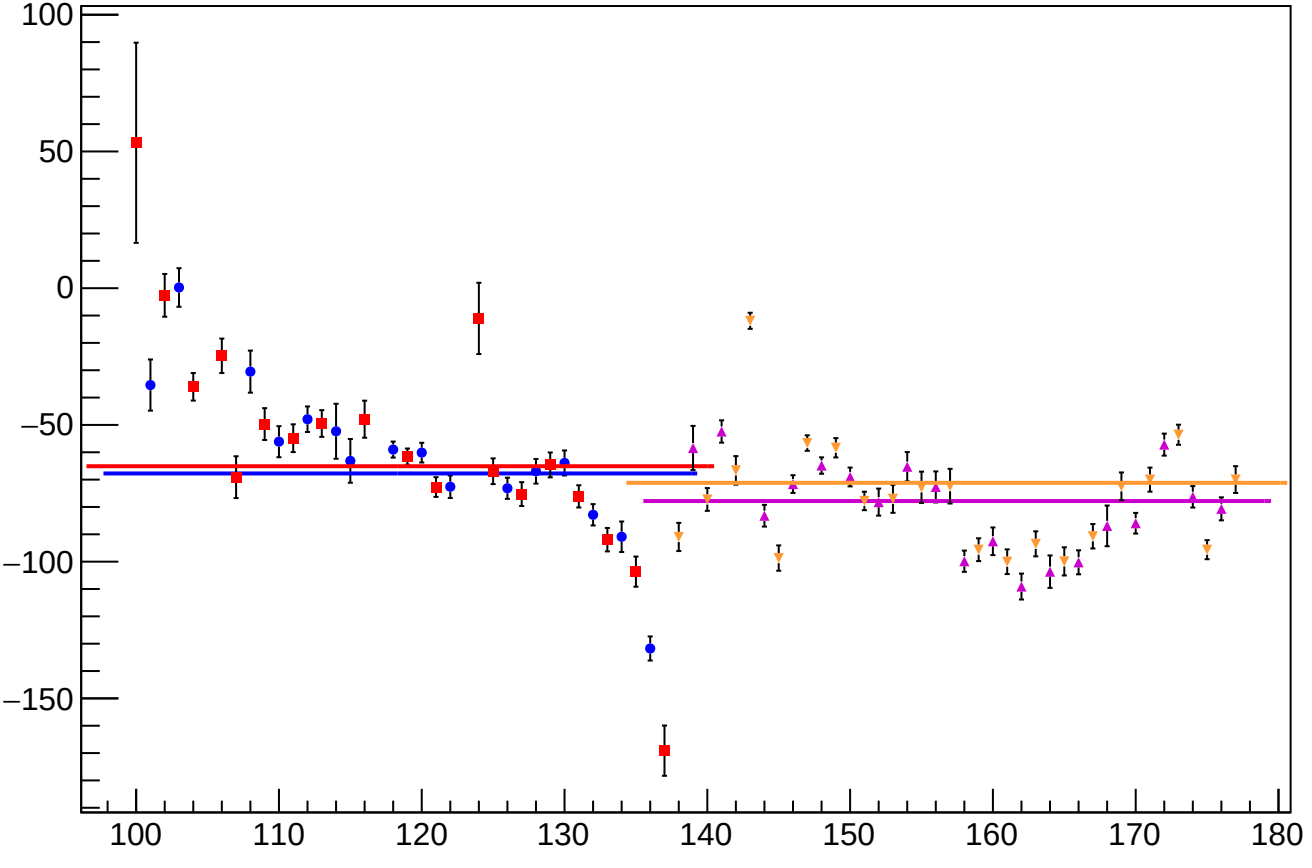
Right: -176.402+/-0.800 χ^2/NDF: 5543.1/34

In: -201.474+/-0.823 χ^2/NDF:3354.2/34

Out: -180.647+/-0.781 χ^2/NDF:10157.1/39

All: -190.508+/-0.566 χ^2/NDF: 13848.5/74

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: -71.173+/-0.909 χ^2/NDF:725.4/20

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

Left In: -77.834+/-0.981 χ^2/NDF:243.8/18

Left: -74.248+/-0.667 χ^2/NDF: 994.0/39

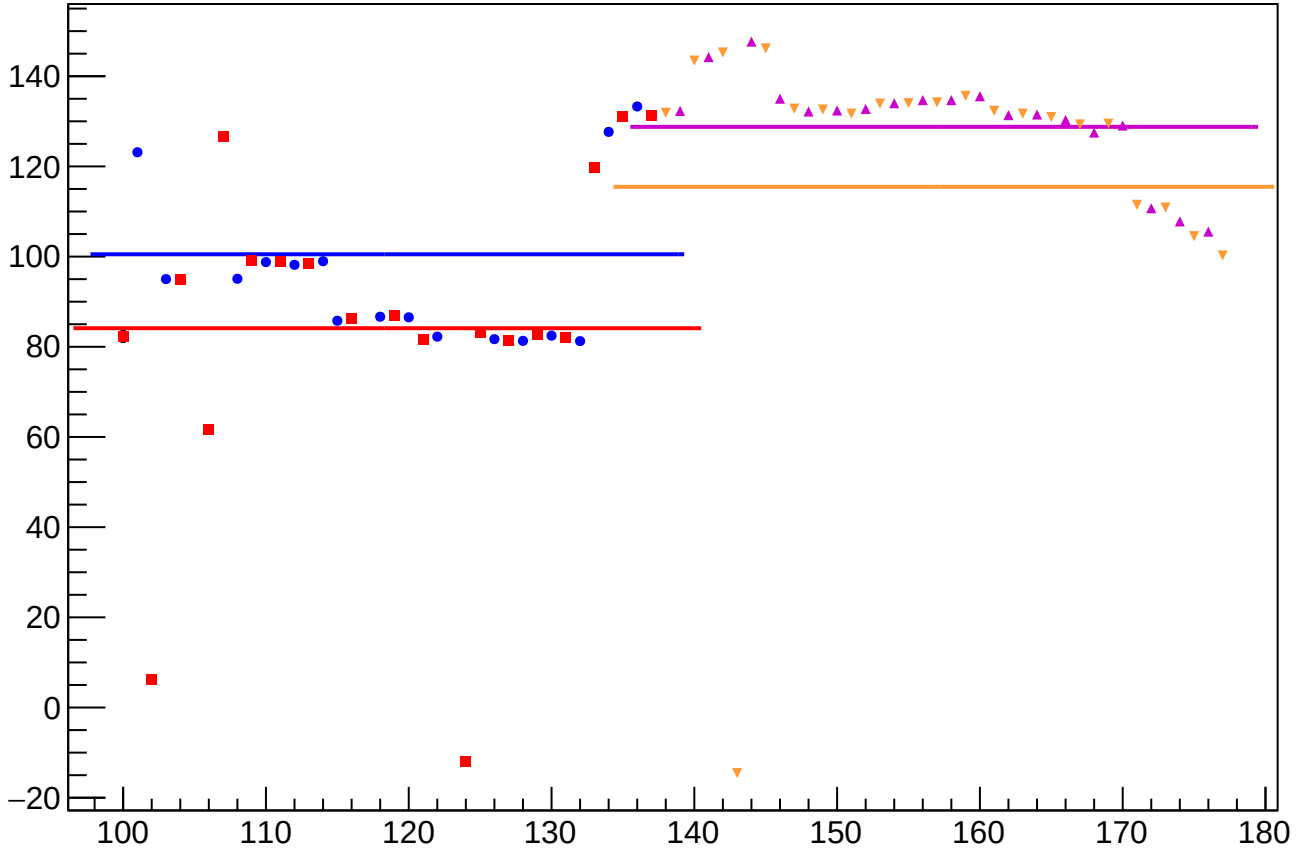
Right: -66.409+/-0.830 χ^2/NDF: 845.6/34

In: -73.713+/-0.755 χ^2/NDF:701.0/34

Out: -68.882+/-0.717 χ^2/NDF:1171.3/39

All: -71.173+/-0.520 χ^2/NDF: 1893.8/74

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: 115.476+/-0.043 χ^2/NDF:951070.4/20

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

Left In: 128.773+/-0.044 χ^2/NDF:64972.2/18

Left: 121.838+/-0.031 χ^2/NDF: 1062761.8/39

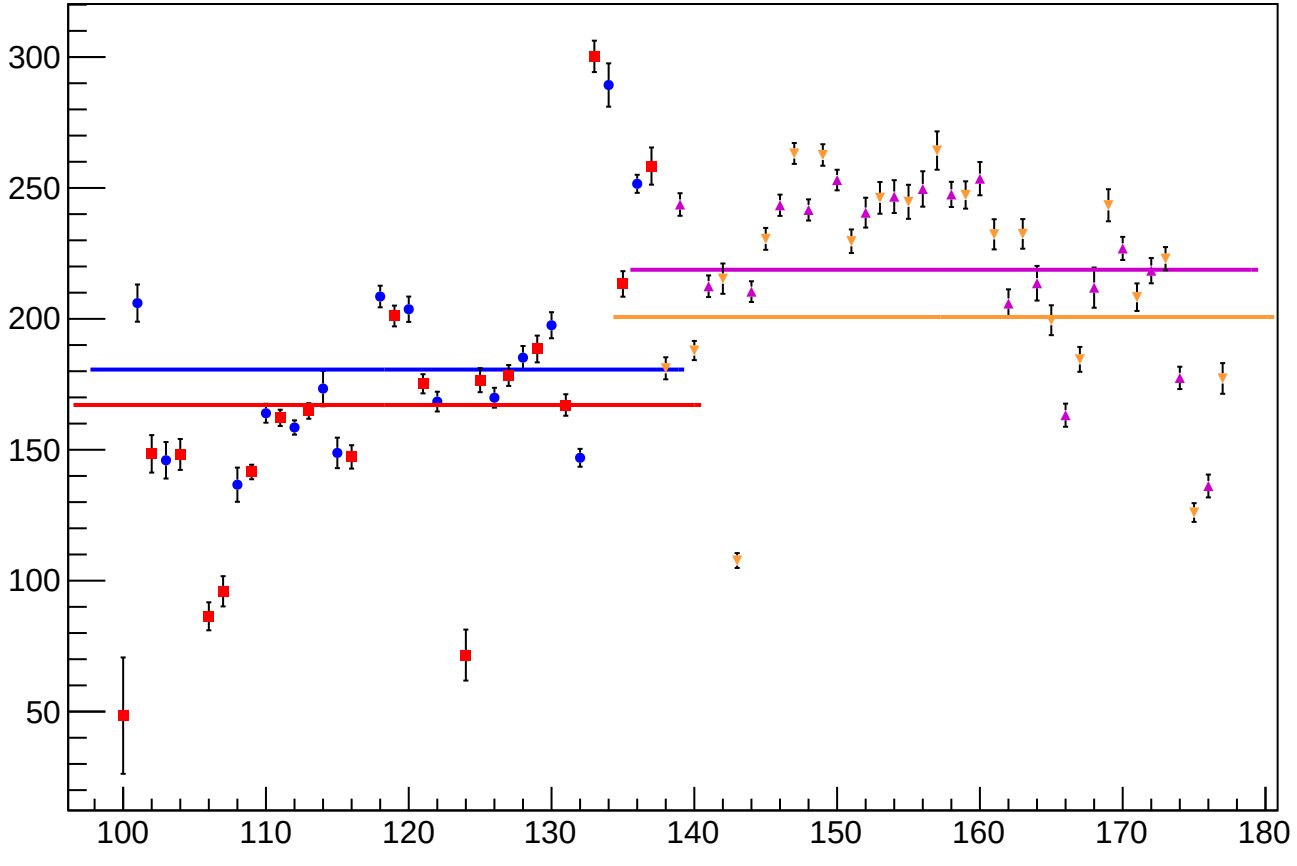
Right: 91.772+/-0.051 χ^2/NDF: 357470.2/34

In: 121.281+/-0.038 χ^2/NDF:239683.0/34

Out: 106.872+/-0.036 χ^2/NDF:1363853.6/39

All: 113.720+/-0.026 χ^2/NDF: 1678629.0/74

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 200.708+/-1.011 χ^2/NDF:2535.3/20

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 218.757+/-1.094 χ^2/NDF:925.7/18

Left: 209.024+/-0.743 χ^2/NDF: 3607.8/39

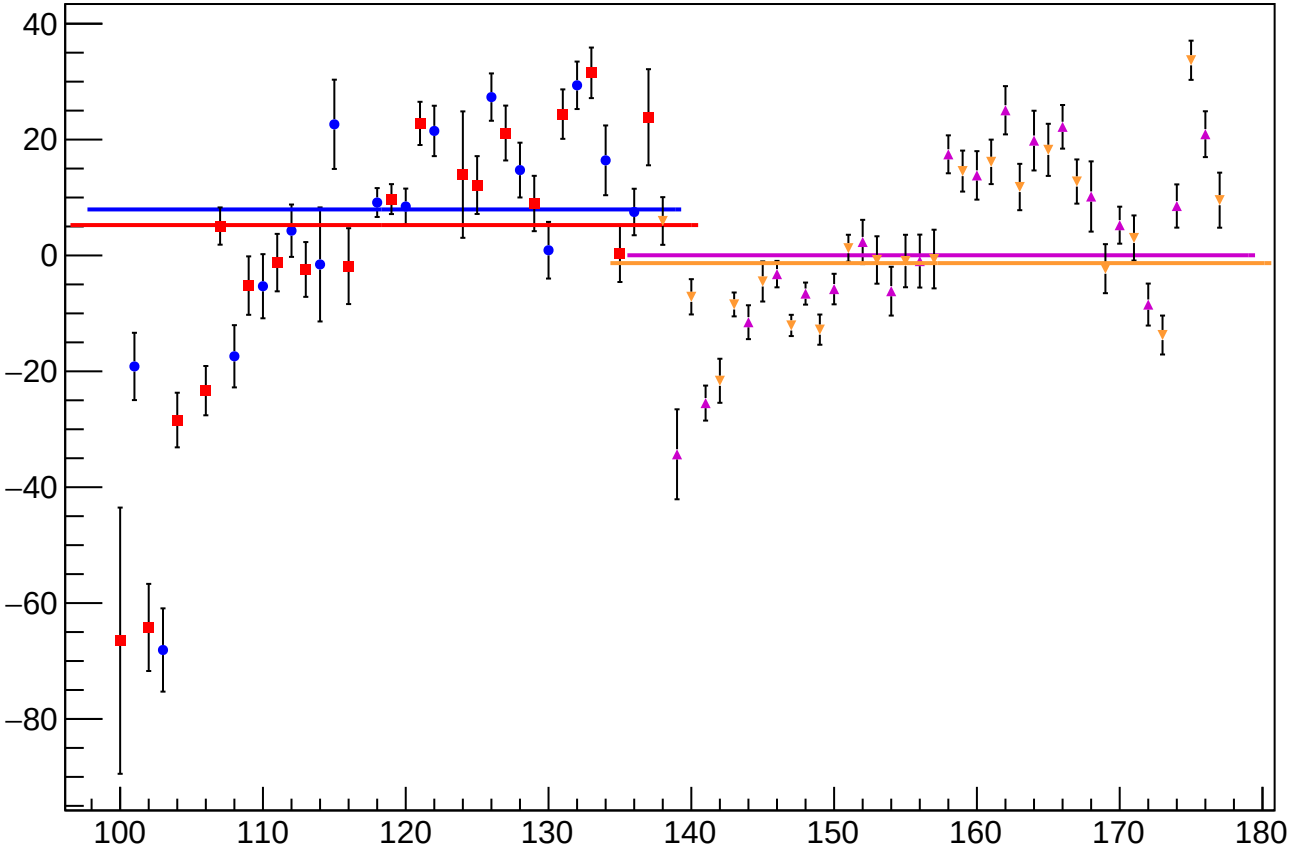
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 199.616+/-0.772 χ^2/NDF:2528.6/34

Out: 184.060+/-0.718 χ^2/NDF:4566.7/39

All: 191.279+/-0.526 χ^2/NDF: 7312.9/74

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -1.323+/-0.707 χ^2/NDF:314.8/20

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: 0.032+/-0.771 χ^2/NDF:296.8/18

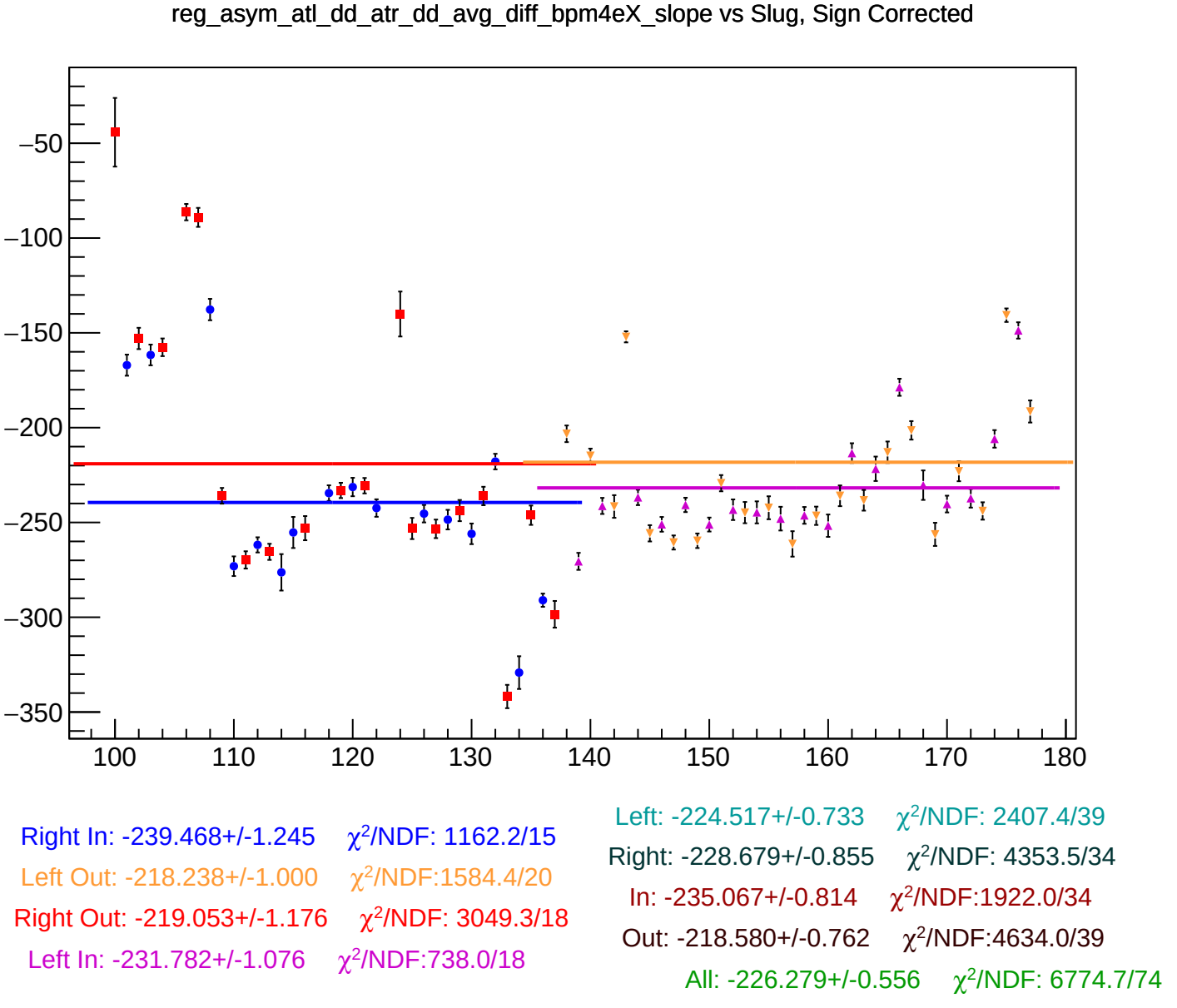
Left: -0.705+/-0.521 χ^2/NDF: 613.2/39

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

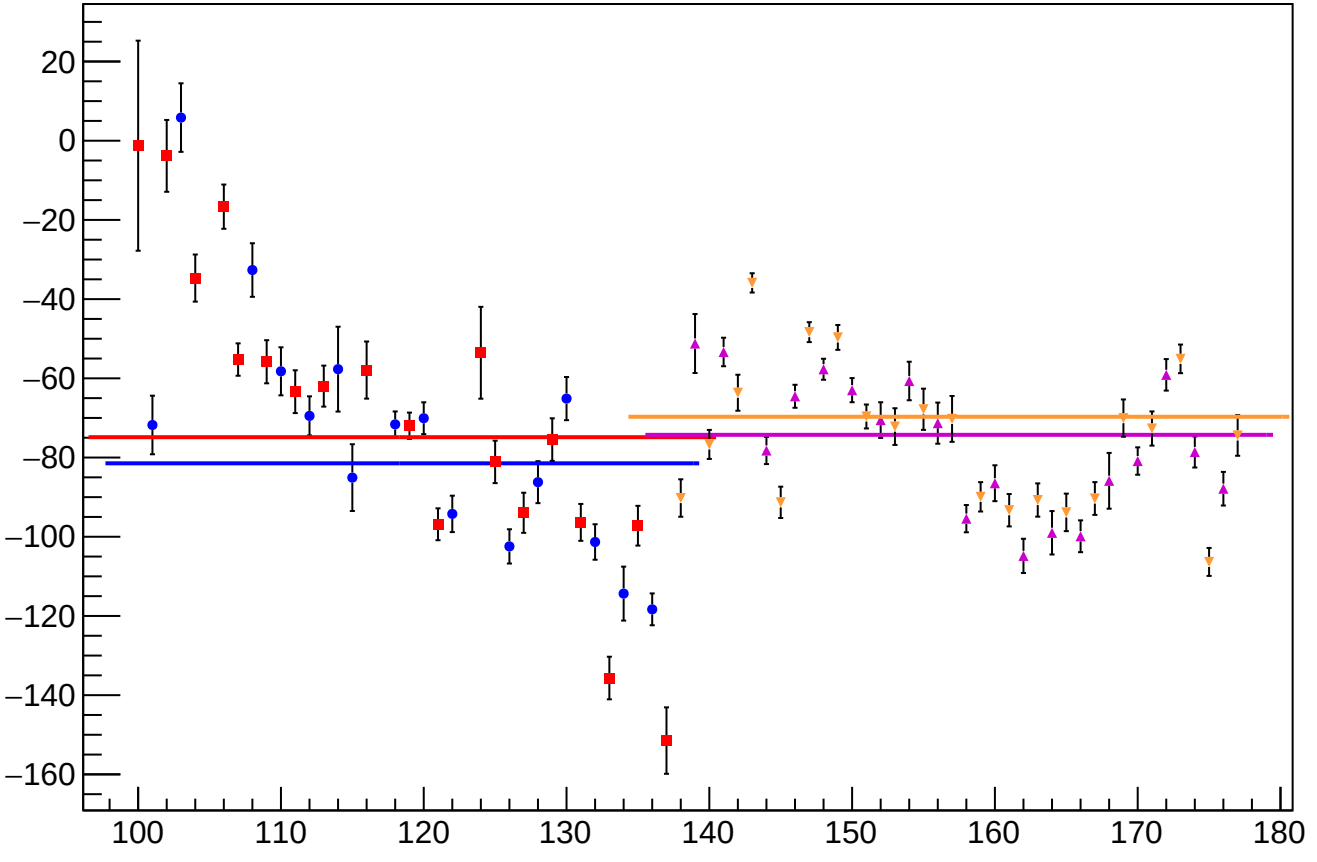
In: 2.597+/-0.634 χ^2/NDF:563.8/34

Out: 0.692+/-0.588 χ^2/NDF:644.2/39

All: 1.573+/-0.431 χ^2/NDF: 1212.9/74


reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
−300
−350
100
110
120
130
140
150
160
170
180
Right In: -239.468+/-1.245 χ2/NDF: 1162.2/15
Left Out: -218.238+/-1.000 χ2/NDF:1584.4/20
Right Out: -219.053+/-1.176 χ2/NDF: 3049.3/18
Left In: -231.782+/-1.076 χ2/NDF:738.0/18
Left: -224.517+/-0.733 χ2/NDF: 2407.4/39
Right: -228.679+/-0.855 χ2/NDF: 4353.5/34
In: -235.067+/-0.814 χ2/NDF:1922.0/34
Out: -218.580+/-0.762 χ2/NDF:4634.0/39
All: -226.279+/-0.556 χ2/NDF: 6774.7/74

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -69.702+/-0.825 χ^2/NDF:624.4/20

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -74.266+/-0.895 χ^2/NDF:306.0/18

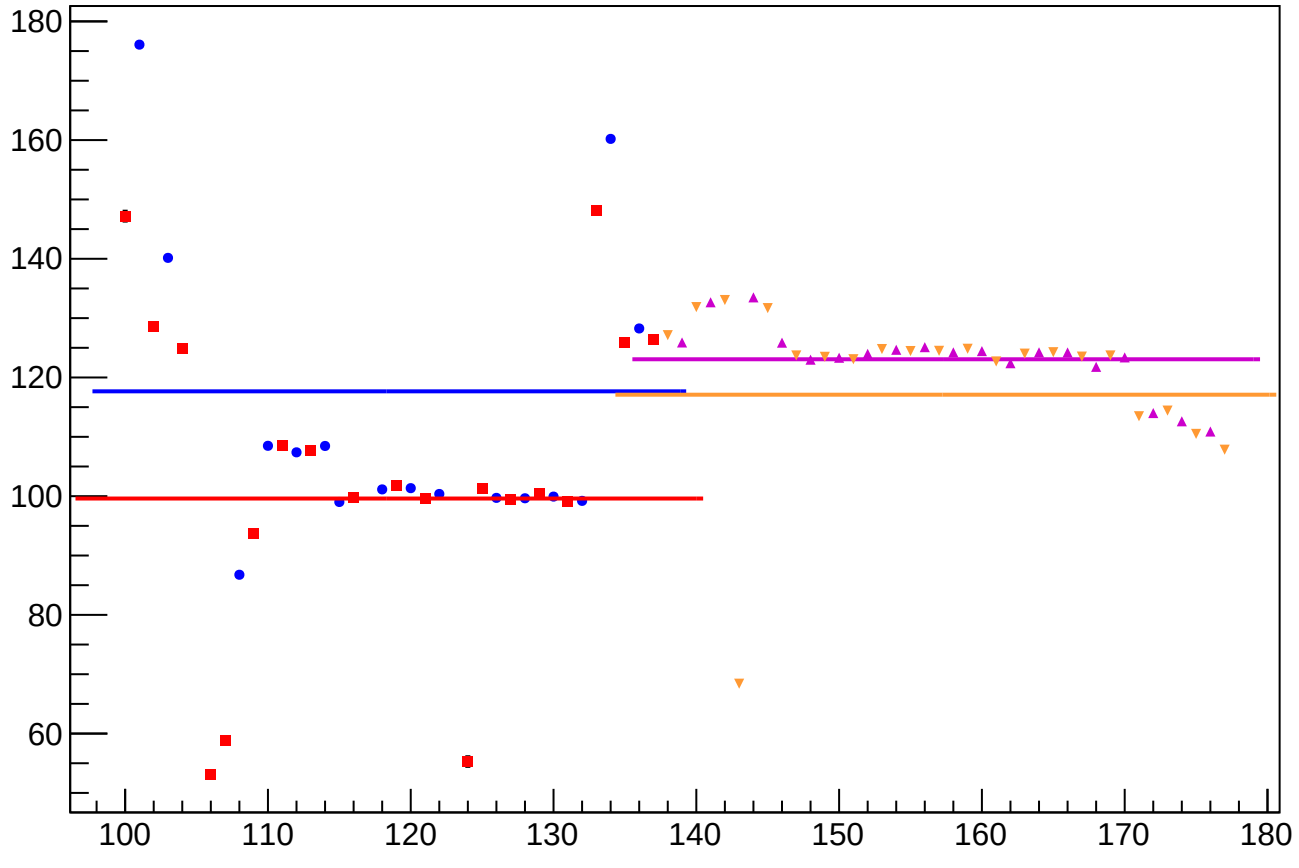
Left: -71.798+/-0.607 χ^2/NDF: 944.5/39

Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -76.614+/-0.735 χ^2/NDF:693.6/34

Out: -71.303+/-0.685 χ^2/NDF:1213.1/39

All: -73.772+/-0.501 χ^2/NDF: 1934.6/74



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 117.098+/-0.039 χ^2/NDF:203030.0/20

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 123.069+/-0.041 χ^2/NDF:18761.7/18

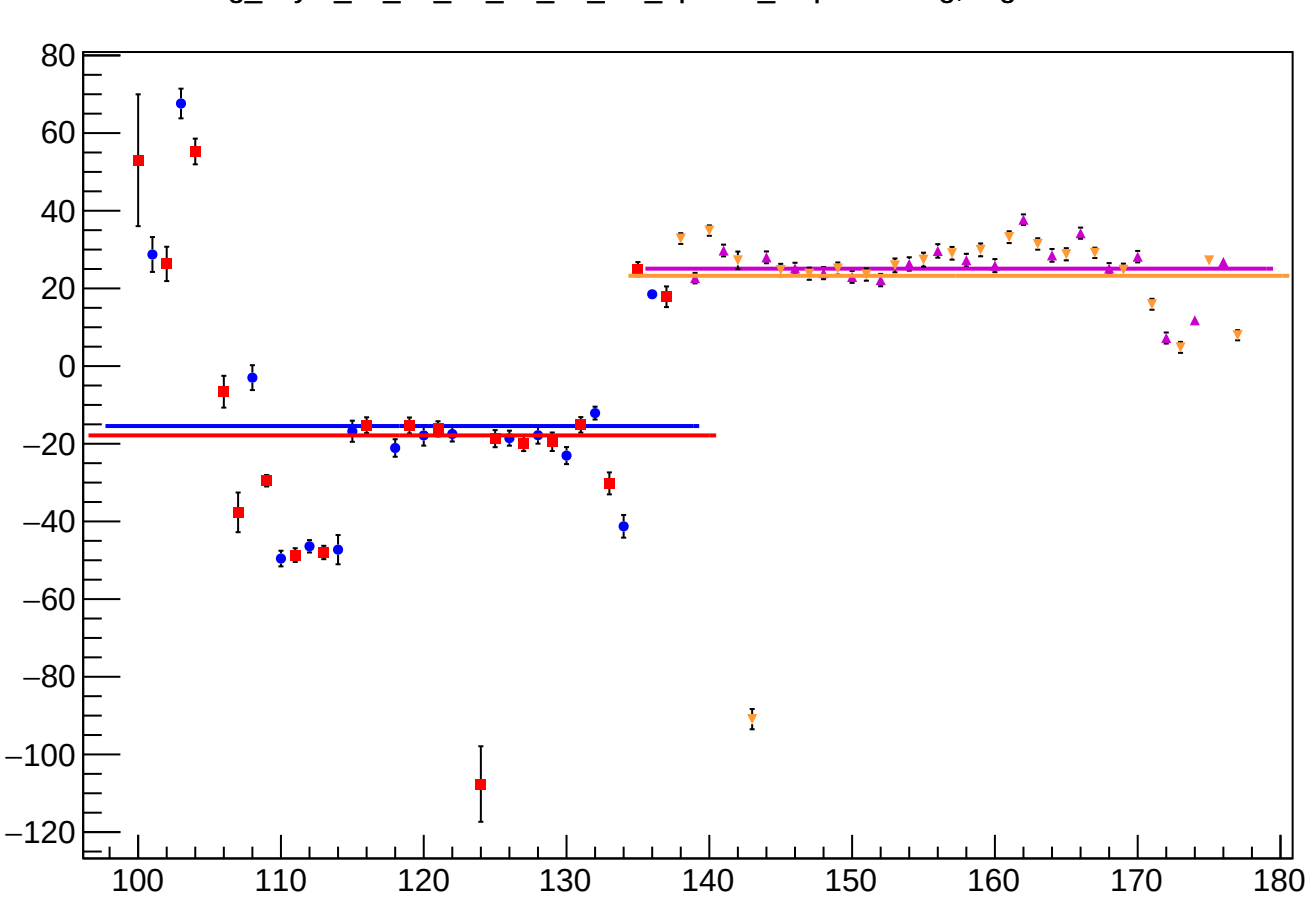
Left: 119.941+/-0.028 χ^2/NDF: 232991.5/39

Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 121.913+/-0.036 χ^2/NDF:117905.5/34

Out: 112.993+/-0.034 χ^2/NDF:416654.8/39

All: 117.181+/-0.025 χ^2/NDF: 566769.4/74



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 23.253+/-0.331 χ^2/NDF:2529.0/20

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 25.084+/-0.339 χ^2/NDF:442.4/18

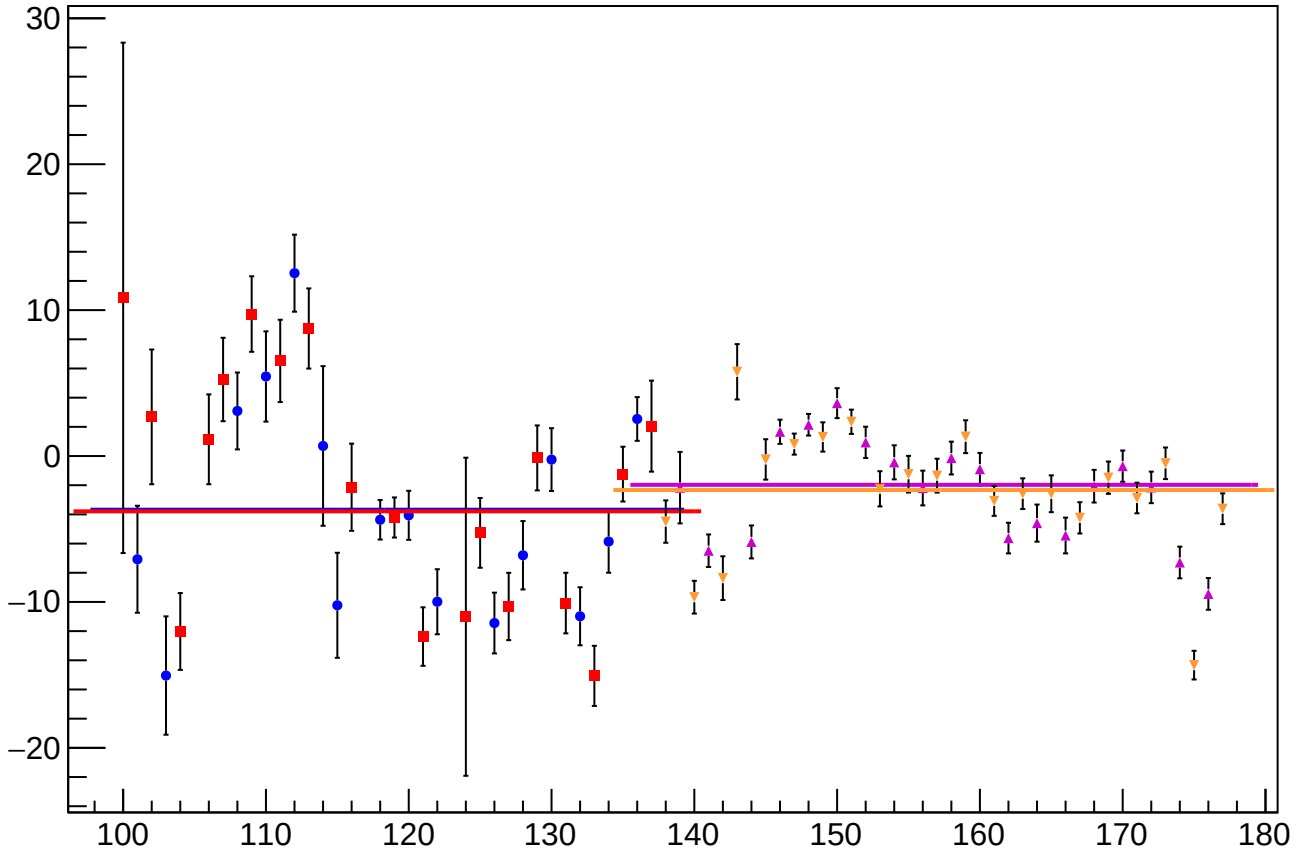
Left: 24.144+/-0.237 χ^2/NDF: 2986.3/39

Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: 13.576+/-0.287 χ^2/NDF:6612.9/34

Out: 11.729+/-0.280 χ^2/NDF:8987.8/39

All: 12.630+/-0.201 χ^2/NDF: 15621.9/74



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -2.332+/-0.238 χ^2/NDF:315.7/20

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -1.974+/-0.248 χ^2/NDF:218.1/18

Left: -2.160+/-0.172 χ^2/NDF: 534.9/39

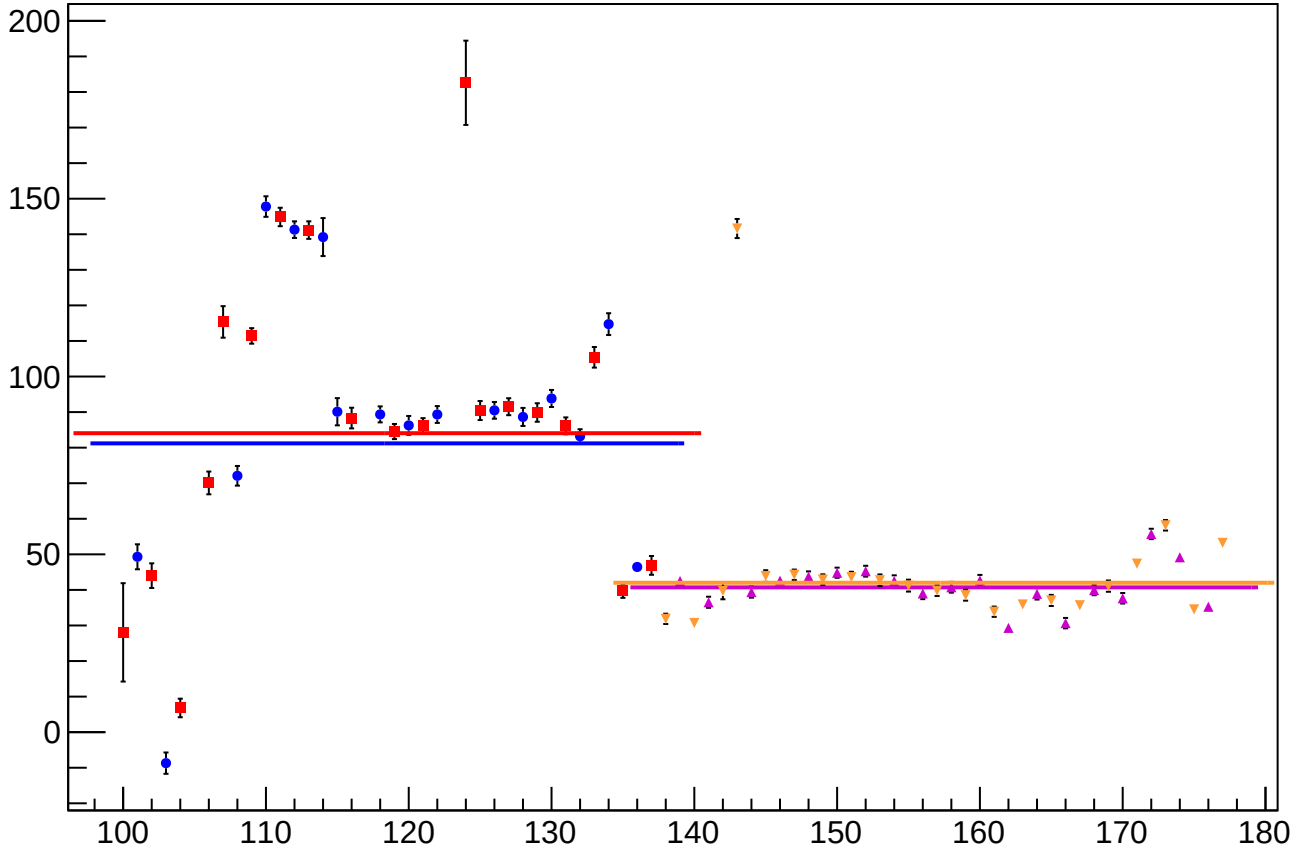
Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -2.260+/-0.226 χ^2/NDF:350.0/34

Out: -2.553+/-0.220 χ^2/NDF:482.6/39

All: -2.411+/-0.158 χ^2/NDF: 833.5/74

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 42.017+/-0.325 χ^2/NDF:1848.7/20

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 40.717+/-0.334 χ^2/NDF:333.6/18

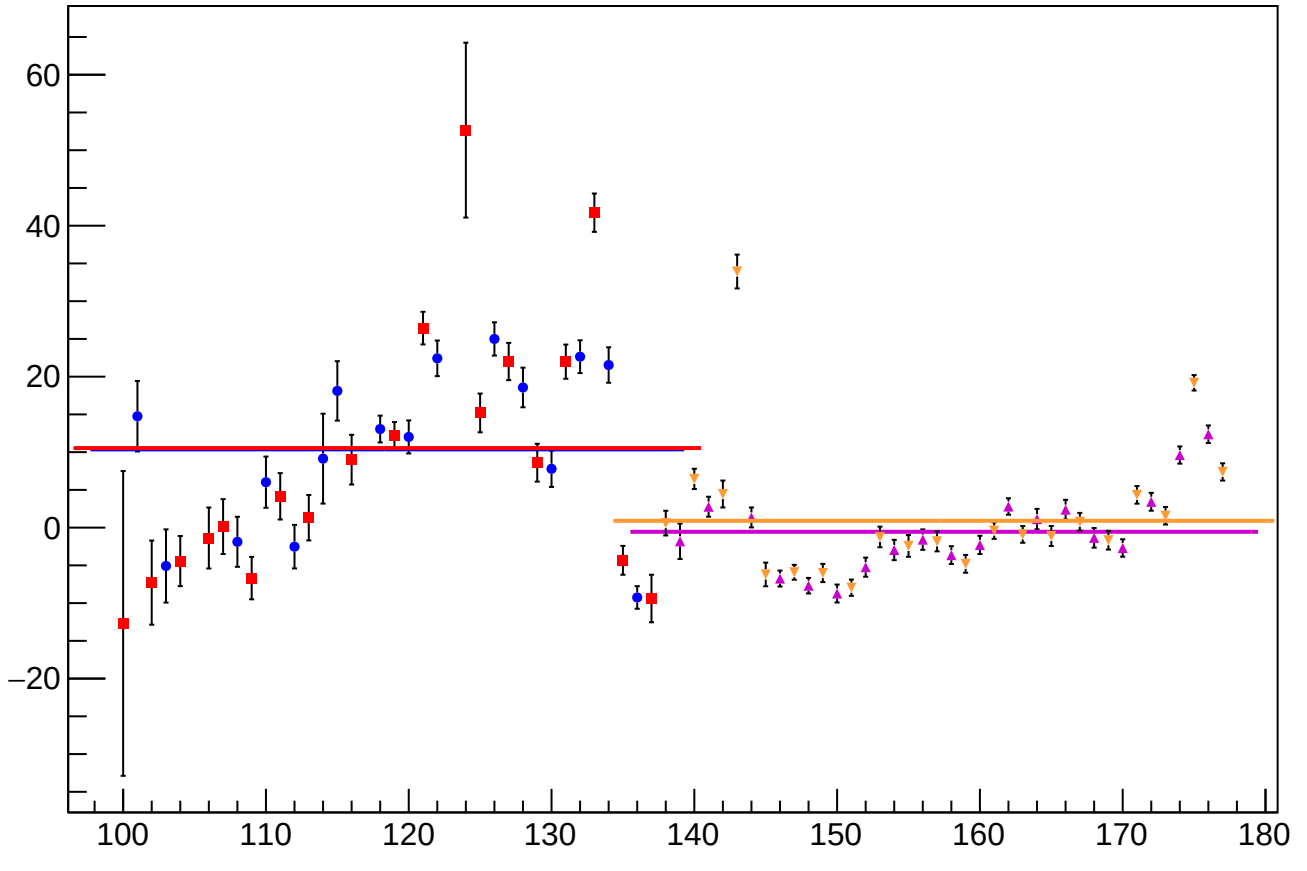
Left: 41.385+/-0.233 χ^2/NDF: 2190.1/39

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 50.133+/-0.293 χ^2/NDF:6977.5/34

Out: 51.172+/-0.288 χ^2/NDF:8696.9/39

All: 50.662+/-0.205 χ^2/NDF: 15680.8/74



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: 0.905+/-0.272 χ^2/NDF:812.6/20

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -0.550+/-0.282 χ^2/NDF:399.0/18

Left: 0.205+/-0.196 χ^2/NDF: 1225.4/39

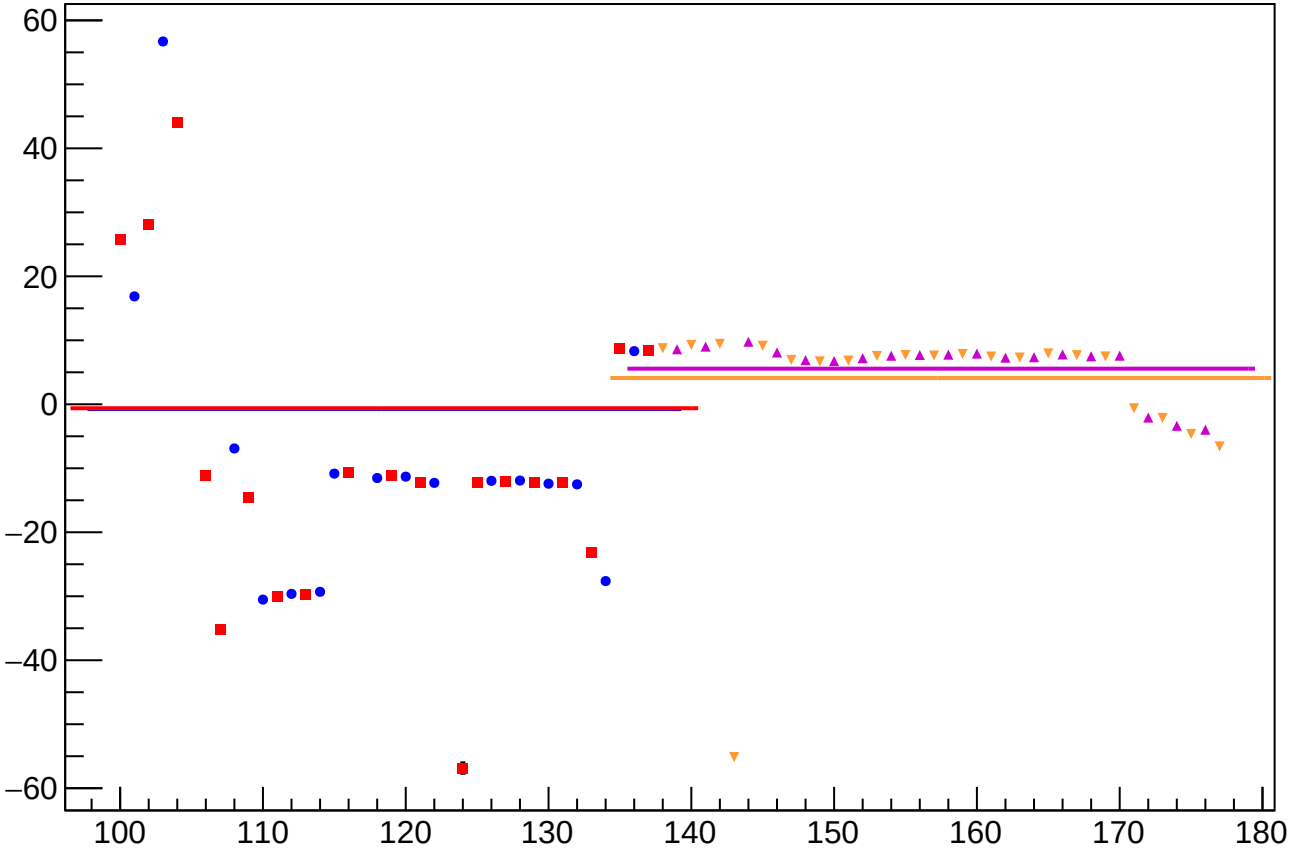
Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 1.294+/-0.258 χ^2/NDF:1011.1/34

Out: 2.376+/-0.250 χ^2/NDF:1475.2/39

All: 1.851+/-0.179 χ^2/NDF: 2495.4/74

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 4.113+/-0.012 χ^2/NDF:458760.1/20

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 5.569+/-0.012 χ^2/NDF:127182.5/18

Left: 4.832+/-0.009 χ^2/NDF: 592935.4/39

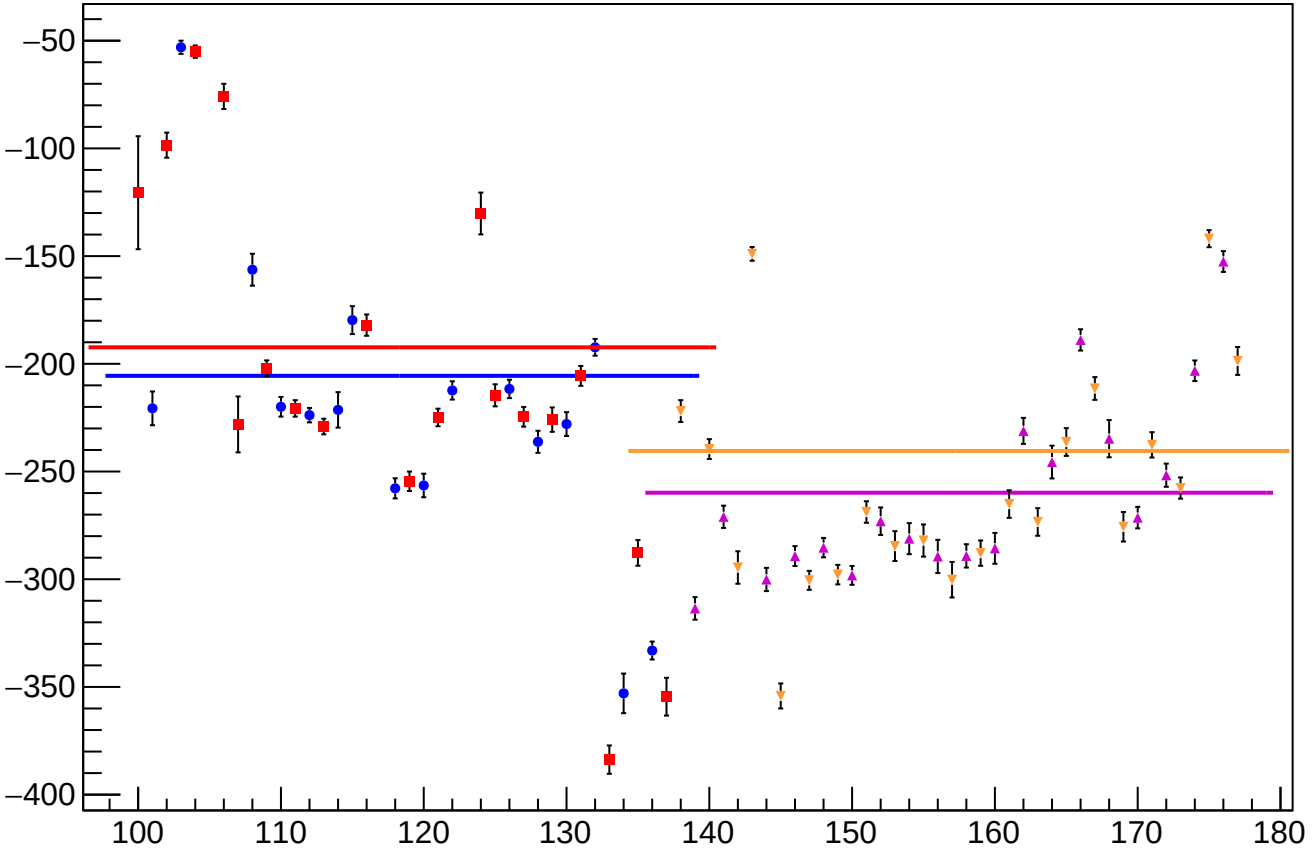
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 4.897+/-0.012 χ^2/NDF:522846.7/34

Out: 3.655+/-0.012 χ^2/NDF:789757.2/39

All: 4.271+/-0.008 χ^2/NDF: 1318276.3/74

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -240.454+/-1.162 χ^2/NDF:2600.4/20

Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -259.841+/-1.258 χ^2/NDF:1266.0/18

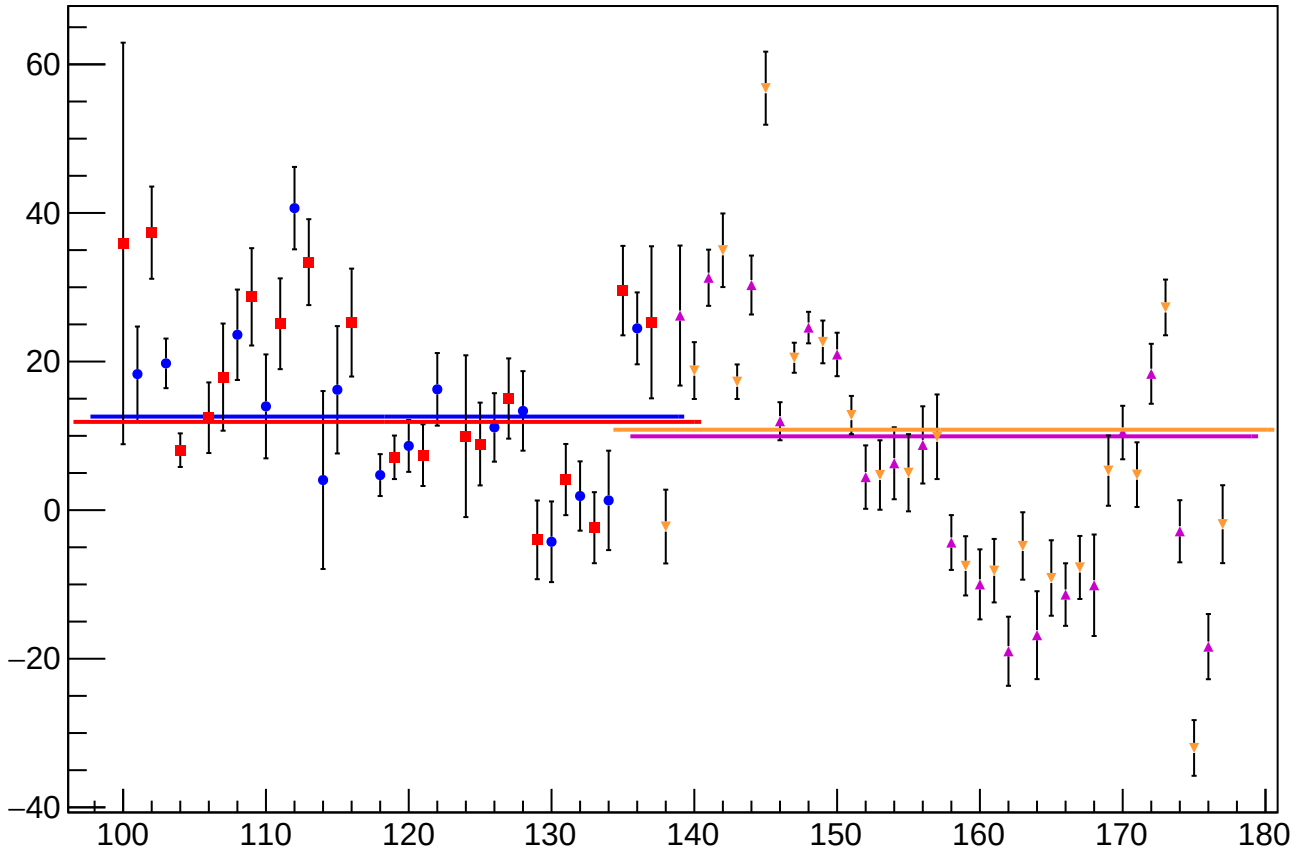
Left: -249.377+/-0.854 χ^2/NDF: 3994.5/39

Right: -198.605+/-0.815 χ^2/NDF: 9091.6/34

In: -231.077+/-0.863 χ^2/NDF:6307.9/34

Out: -215.570+/-0.807 χ^2/NDF:8457.0/39

All: -222.811+/-0.589 χ^2/NDF: 14937.2/74



Right In: 12.592+/-1.203 χ^2/NDF: 68.5/15

Left Out: 10.827+/-0.805 χ^2/NDF:419.8/20

Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

Left In: 9.934+/-0.880 χ^2/NDF:307.5/18

Left: 10.421+/-0.594 χ^2/NDF: 727.8/39

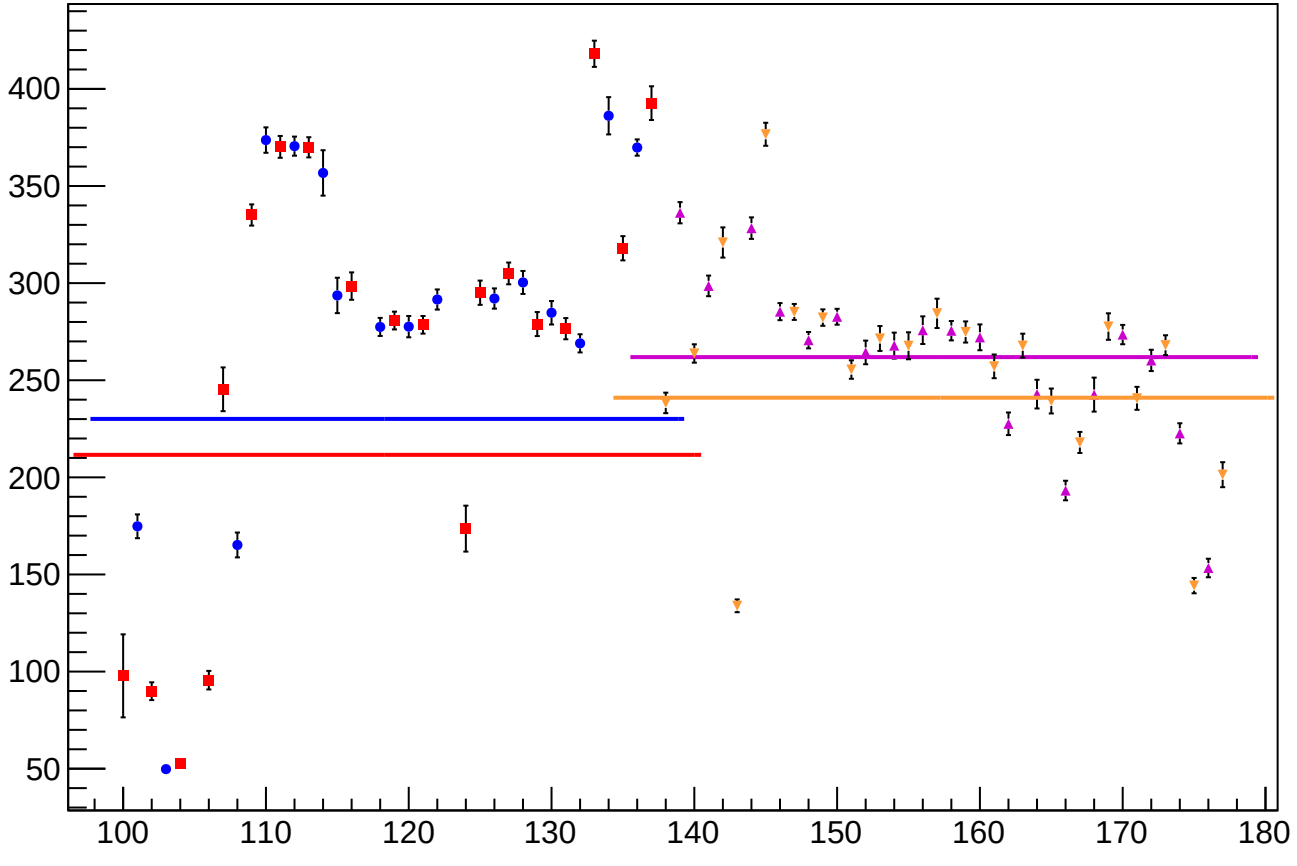
Right: 12.211+/-0.820 χ^2/NDF: 153.6/34

In: 10.862+/-0.710 χ^2/NDF:379.1/34

Out: 11.185+/-0.654 χ^2/NDF:505.3/39

All: 11.037+/-0.481 χ^2/NDF: 884.6/74

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: 241.006+/-1.146 χ^2/NDF:2775.8/20

Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 261.913+/-1.234 χ^2/NDF:1261.3/18

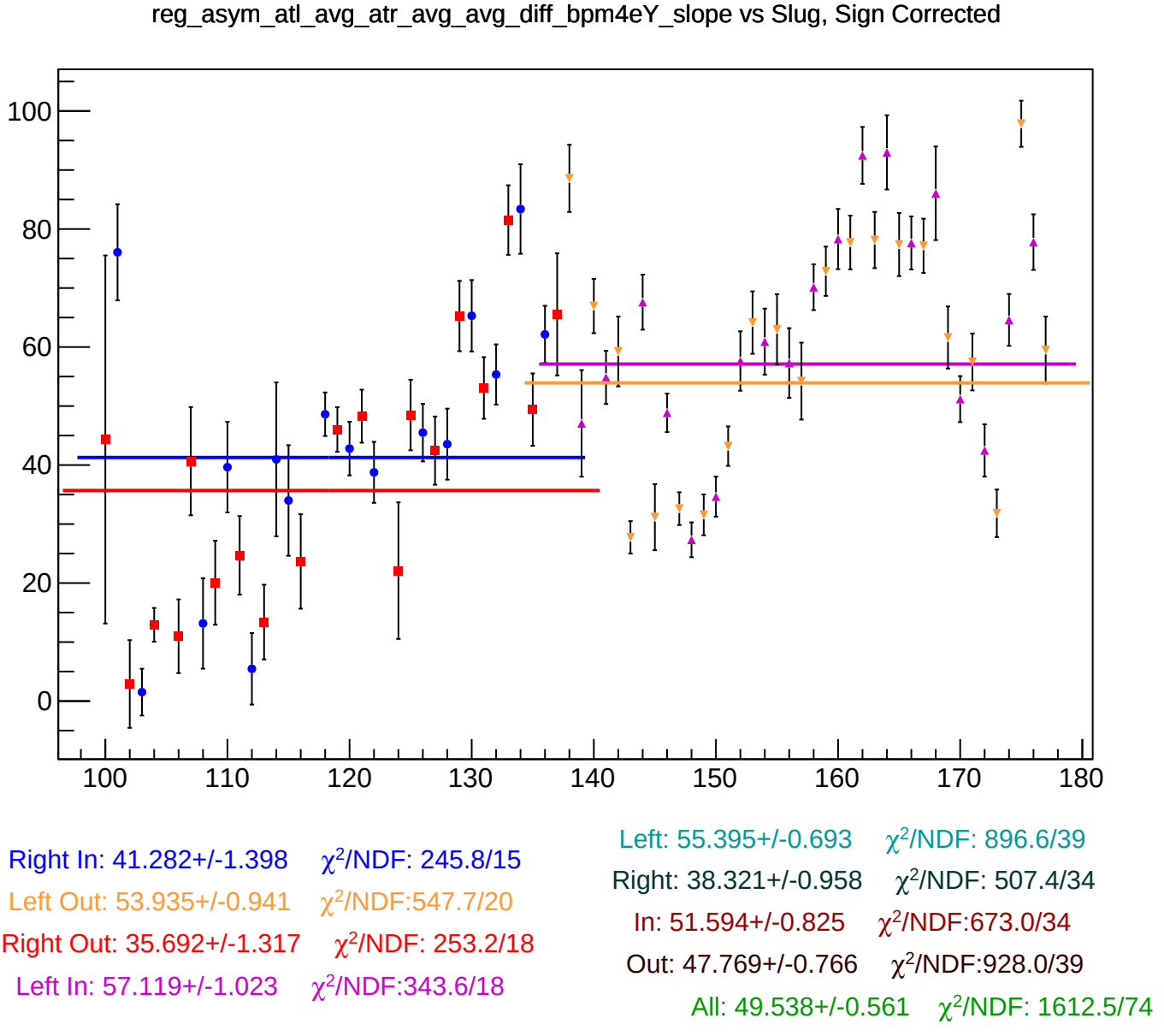
Left: 250.685+/-0.840 χ^2/NDF: 4191.2/39

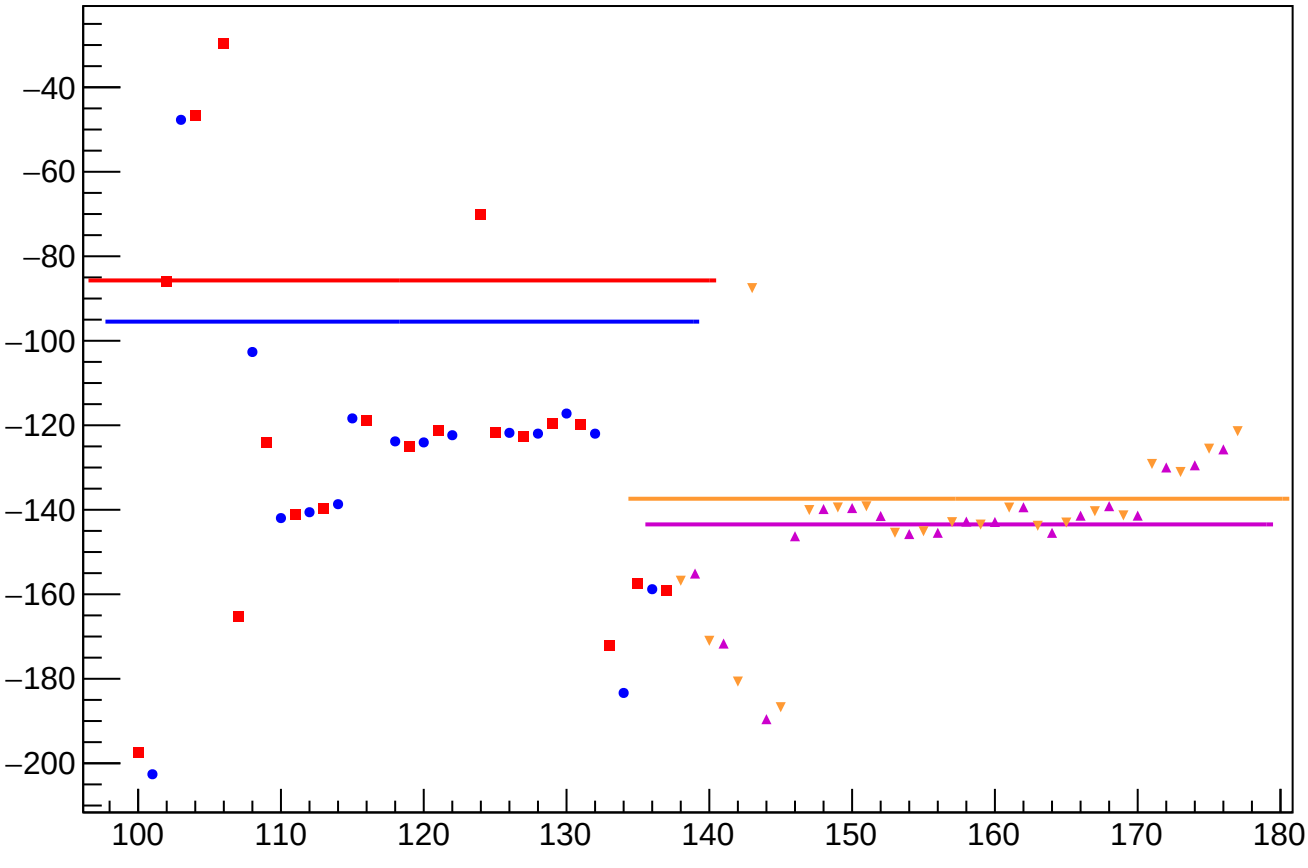
Right: 220.357+/-0.867 χ^2/NDF: 20961.4/34

In: 246.325+/-0.882 χ^2/NDF:10962.5/34

Out: 226.914+/-0.827 χ^2/NDF:14563.6/39

All: 236.003+/-0.603 χ^2/NDF: 25783.8/74


reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
100
80
60
40
20
0
100
110
120
130
140
150
160
170
180
Right In: 41.282+/-1.398 χ²/NDF: 245.8/15
Left Out: 53.935+/-0.941 χ²/NDF:547.7/20
Right Out: 35.692+/-1.317 χ²/NDF: 253.2/18
Left In: 57.119+/-1.023 χ²/NDF:343.6/18
Left: 55.395+/-0.693 χ²/NDF: 896.6/39
Right: 38.321+/-0.958 χ²/NDF: 507.4/34
In: 51.594+/-0.825 χ²/NDF:673.0/34
Out: 47.769+/-0.766 χ²/NDF:928.0/39
All: 49.538+/-0.561 χ²/NDF: 1612.5/74



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -137.387+/-0.045 χ^2/NDF:245932.7/20

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

Left In: -143.461+/-0.047 χ^2/NDF:75707.8/18

Left: -140.279+/-0.032 χ^2/NDF: 330499.3/39

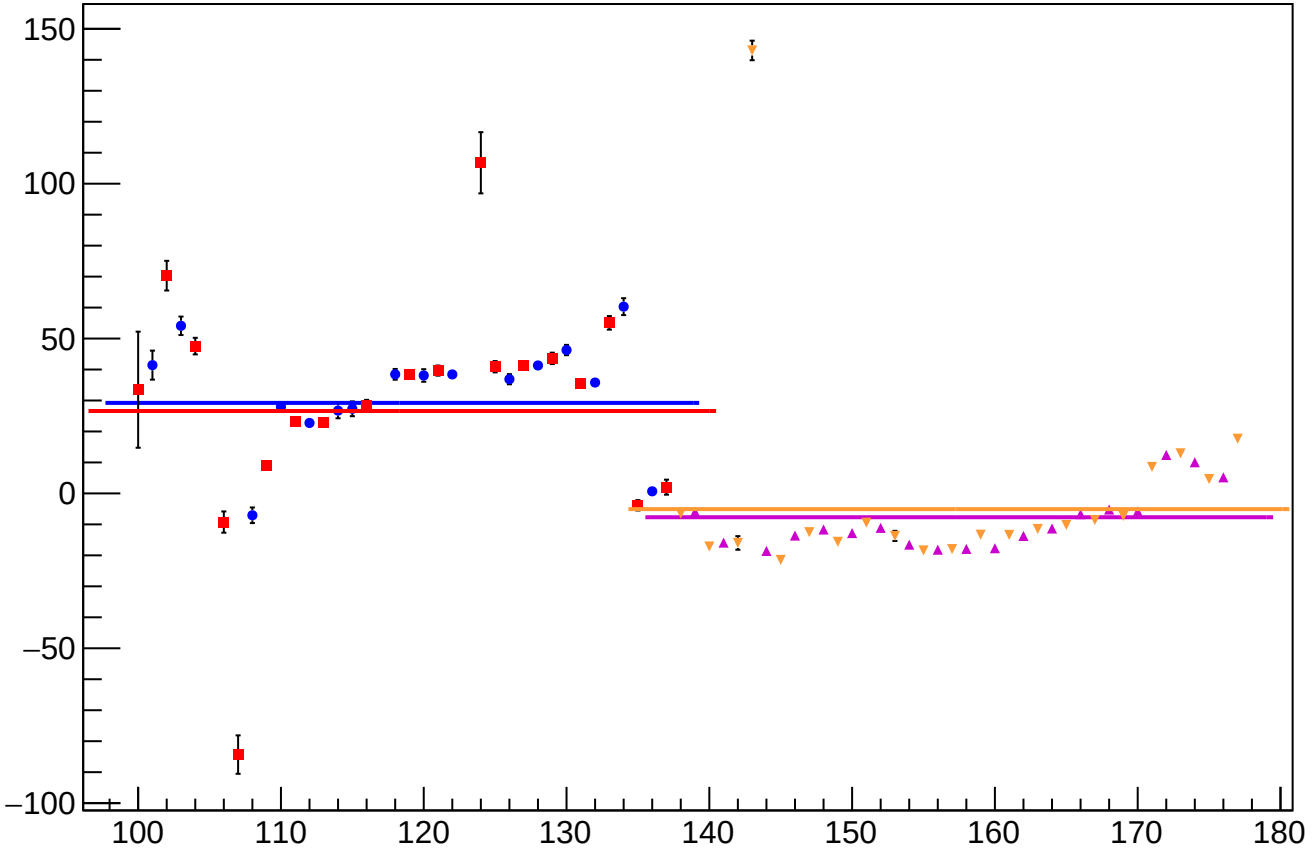
Right: -90.413+/-0.048 χ^2/NDF: 1012777.7/34

In: -128.511+/-0.039 χ^2/NDF:924427.3/34

Out: -121.538+/-0.037 χ^2/NDF:1141474.5/39

All: -124.869+/-0.027 χ^2/NDF: 2082801.9/74

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -5.071+/-0.310 χ^2/NDF:3514.6/20

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -7.692+/-0.317 χ^2/NDF:911.9/18

Left: -6.351+/-0.222 χ^2/NDF: 4461.4/39

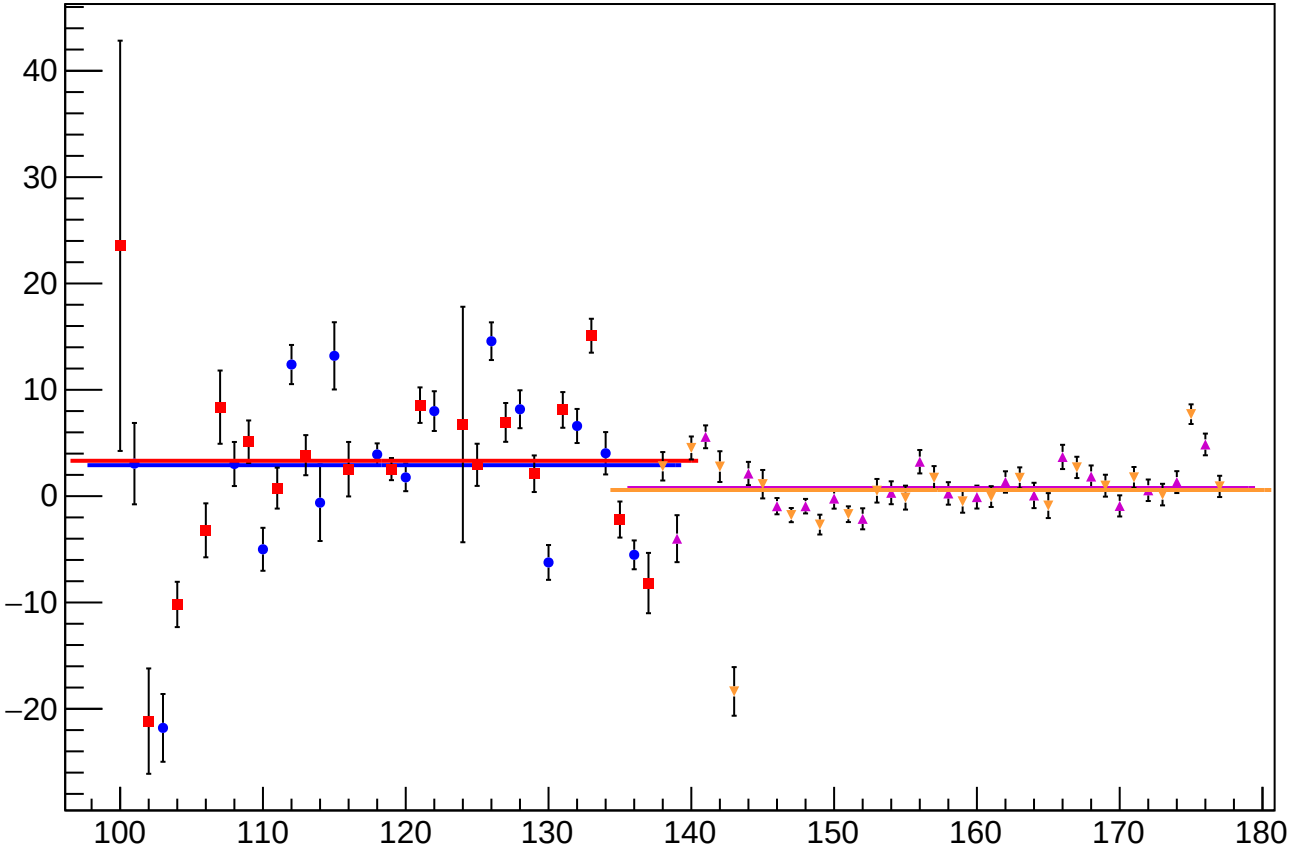
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 5.550+/-0.254 χ^2/NDF:7111.6/34

Out: 6.304+/-0.248 χ^2/NDF:9186.7/39

All: 5.936+/-0.178 χ^2/NDF: 16302.8/74

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: 0.579+/-0.223 χ^2/NDF:193.2/20

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.766+/-0.232 χ^2/NDF:80.9/18

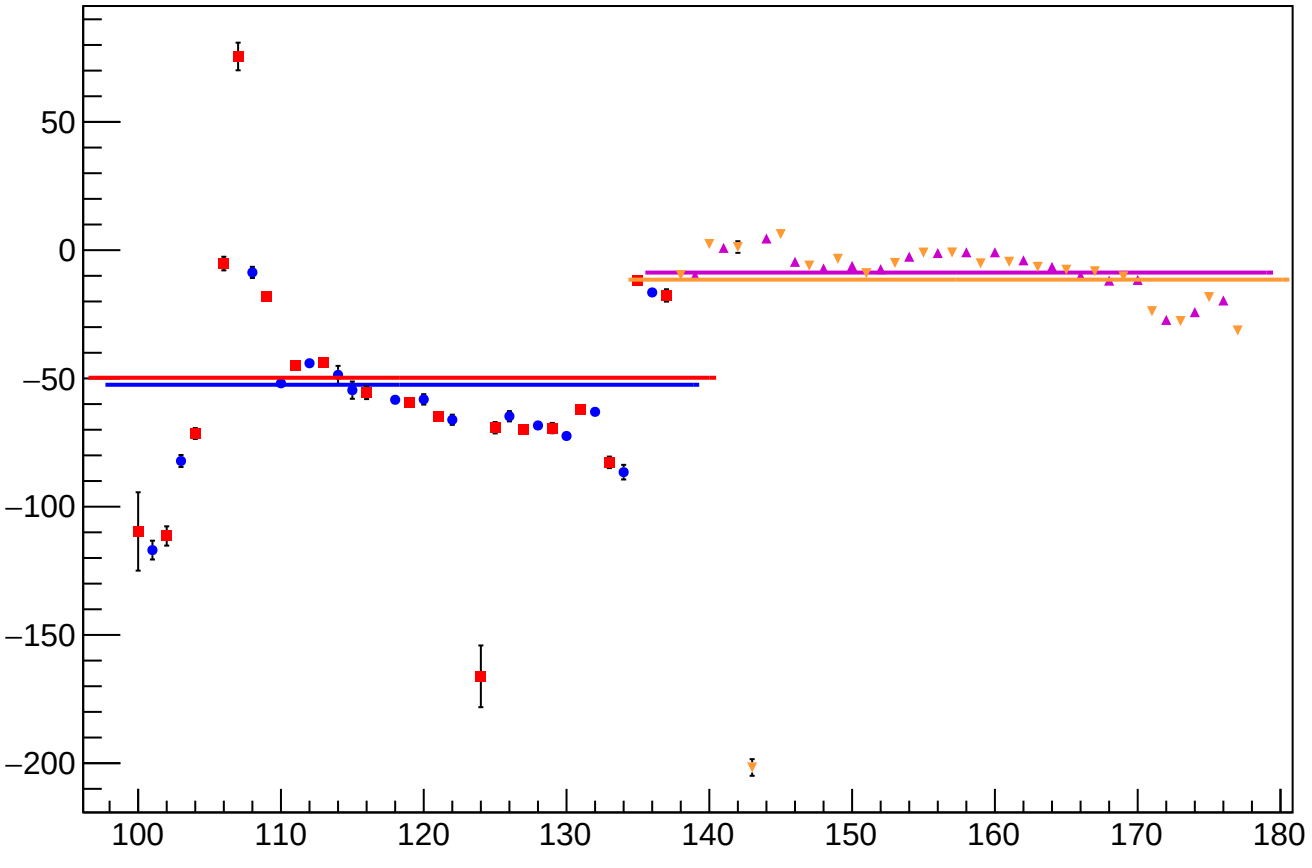
Left: 0.669+/-0.161 χ^2/NDF: 274.5/39

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 1.228+/-0.205 χ^2/NDF:349.4/34

Out: 1.114+/-0.200 χ^2/NDF:404.5/39

All: 1.169+/-0.143 χ^2/NDF: 754.0/74



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -11.492+/-0.305 χ^2/NDF:4489.0/20

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -8.731+/-0.312 χ^2/NDF:694.5/18

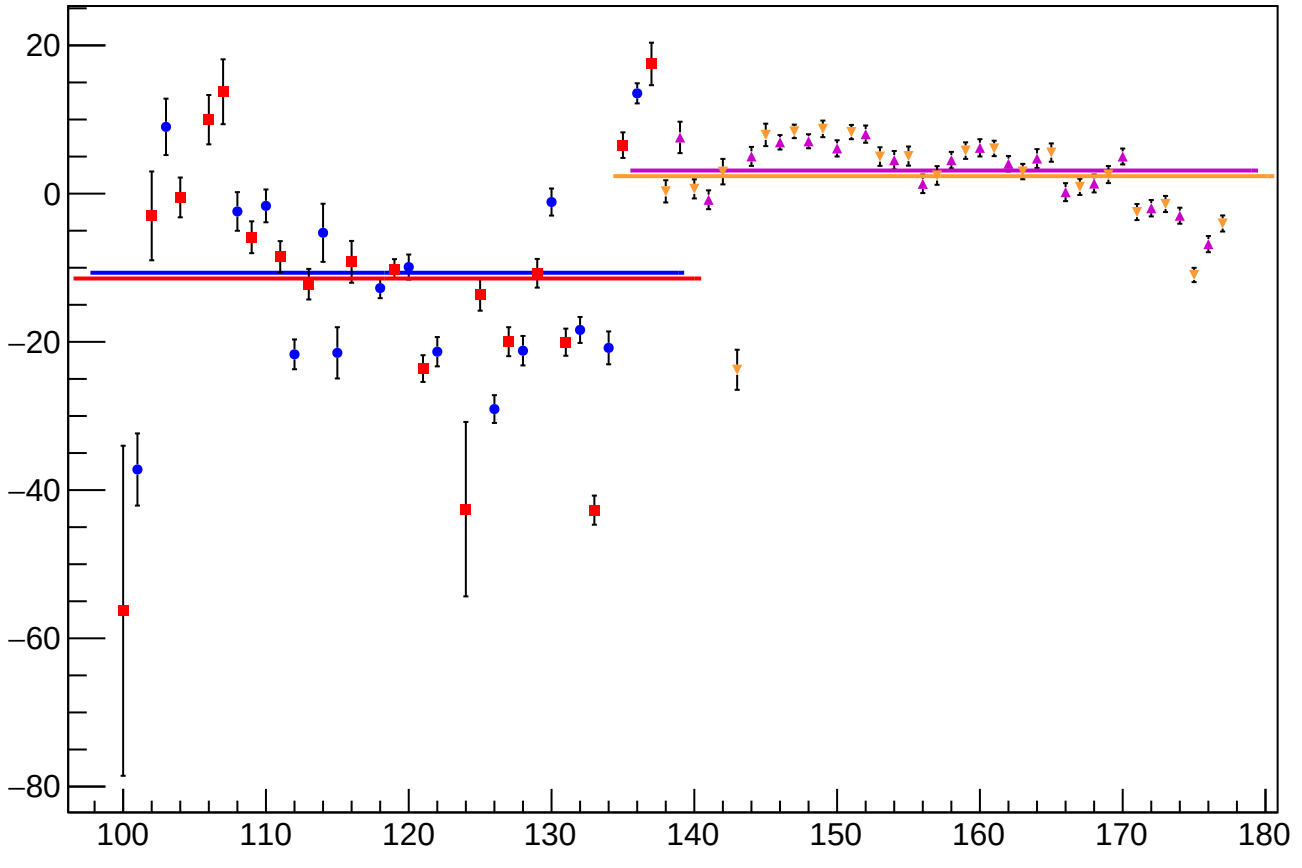
Left: -10.146+/-0.218 χ^2/NDF: 5223.5/39

Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -21.444+/-0.263 χ^2/NDF:8727.2/34

Out: -22.025+/-0.259 χ^2/NDF:11840.2/39

All: -21.739+/-0.185 χ^2/NDF: 20569.9/74



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 2.354+/-0.255 χ^2/NDF:523.6/20

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 3.117+/-0.264 χ^2/NDF:234.9/18

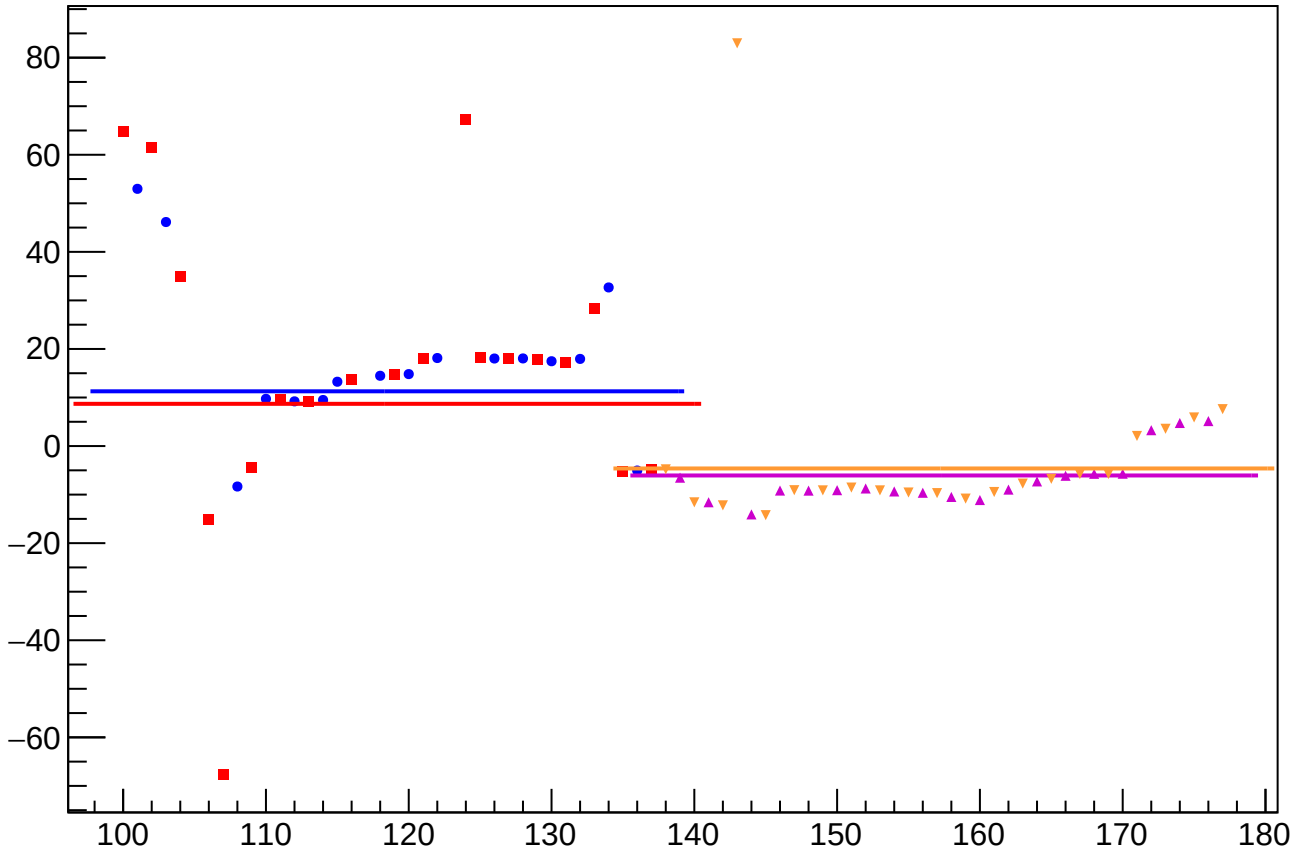
Left: 2.721+/-0.183 χ^2/NDF: 762.8/39

Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: 0.154+/-0.234 χ^2/NDF:1485.9/34

Out: -0.347+/-0.228 χ^2/NDF:1764.9/39

All: -0.103+/-0.163 χ^2/NDF: 3253.1/74



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -4.616+/-0.011 χ^2/NDF:725264.1/20

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -6.059+/-0.012 χ^2/NDF:228974.4/18

Left: -5.330+/-0.008 χ^2/NDF: 962100.3/39

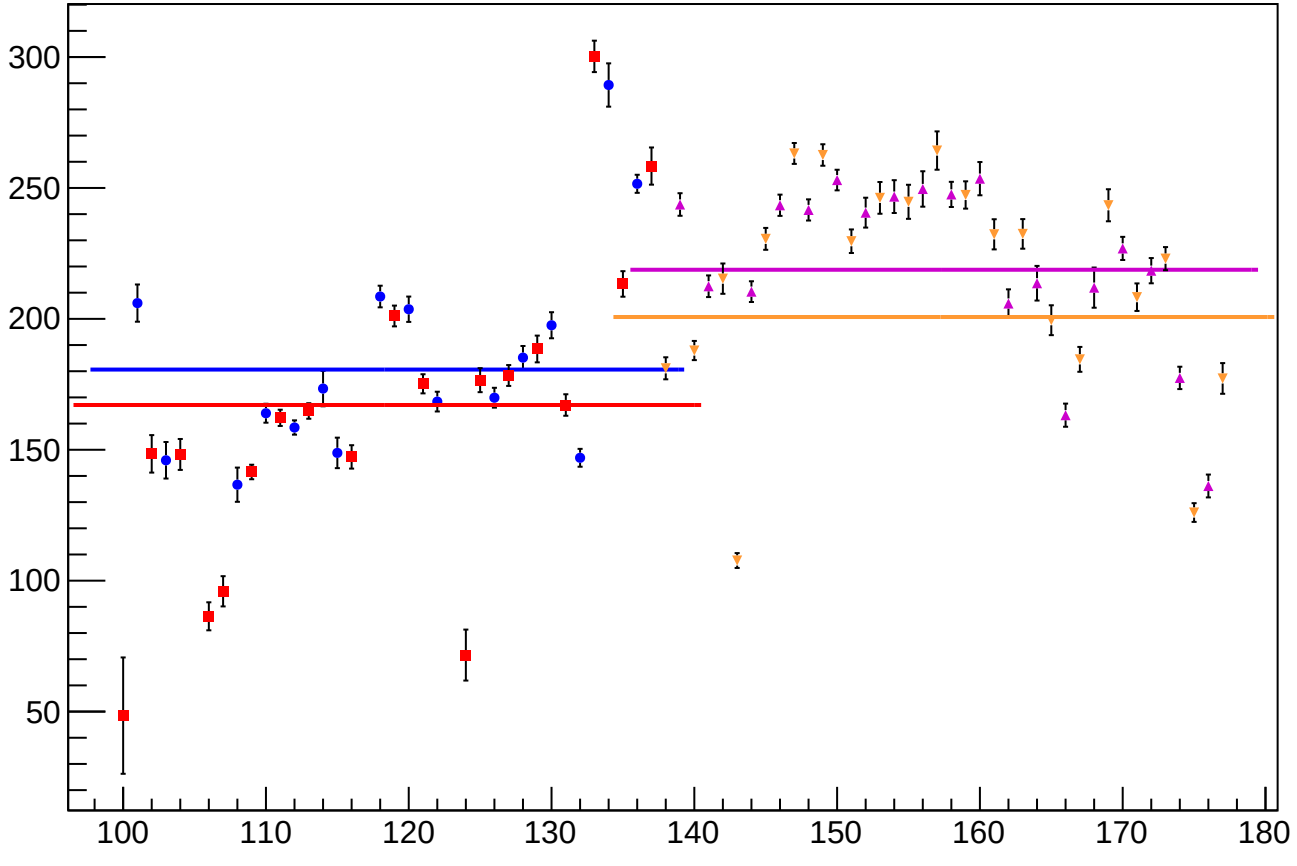
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -3.807+/-0.011 χ^2/NDF:870380.4/34

Out: -3.057+/-0.011 χ^2/NDF:1319945.3/39

All: -3.431+/-0.008 χ^2/NDF: 2192753.0/74

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: 200.708+/-1.011 χ^2/NDF:2535.3/20

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 218.757+/-1.094 χ^2/NDF:925.7/18

Left: 209.024+/-0.743 χ^2/NDF: 3607.8/39

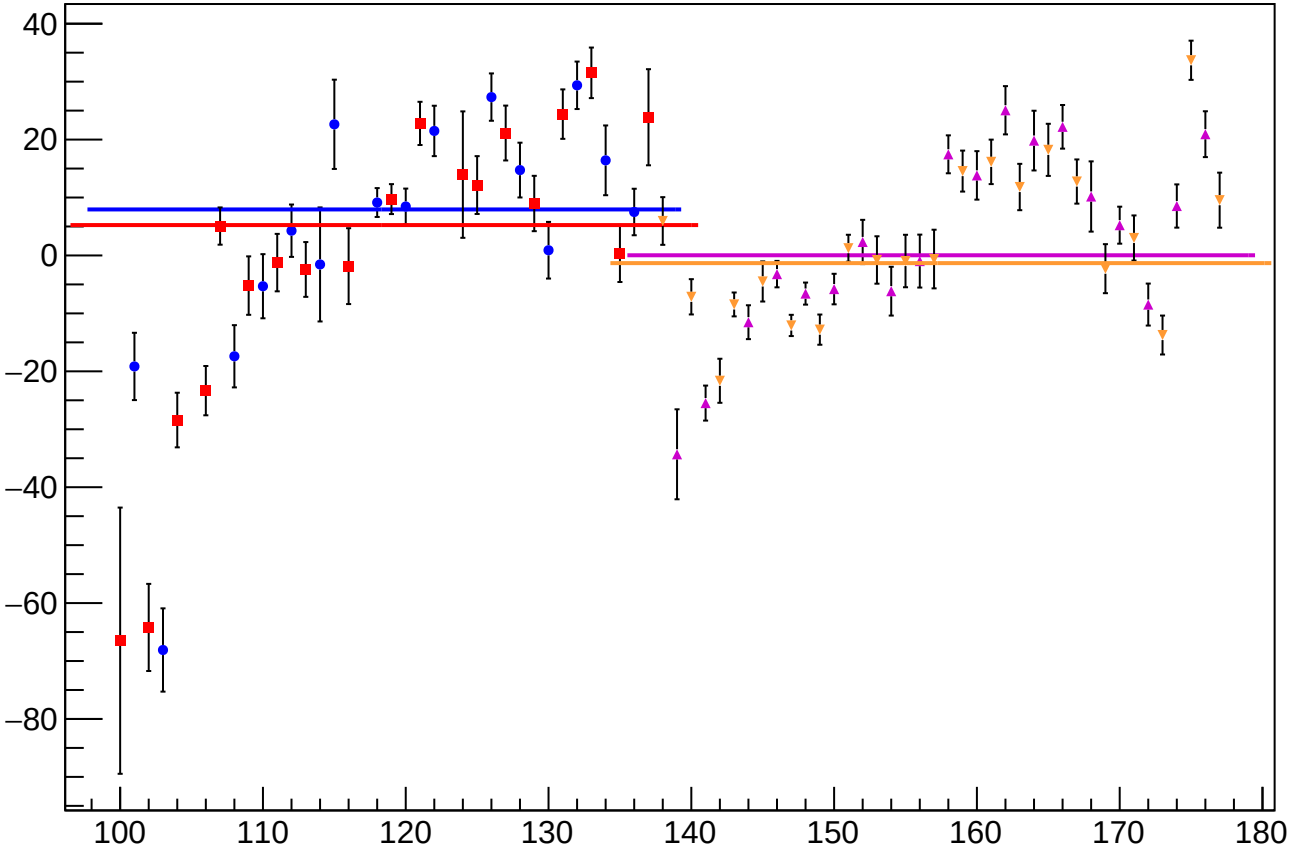
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 199.616+/-0.772 χ^2/NDF:2528.6/34

Out: 184.060+/-0.718 χ^2/NDF:4566.7/39

All: 191.279+/-0.526 χ^2/NDF: 7312.9/74

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -1.323+/-0.707 χ^2/NDF:314.8/20

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: 0.032+/-0.771 χ^2/NDF:296.8/18

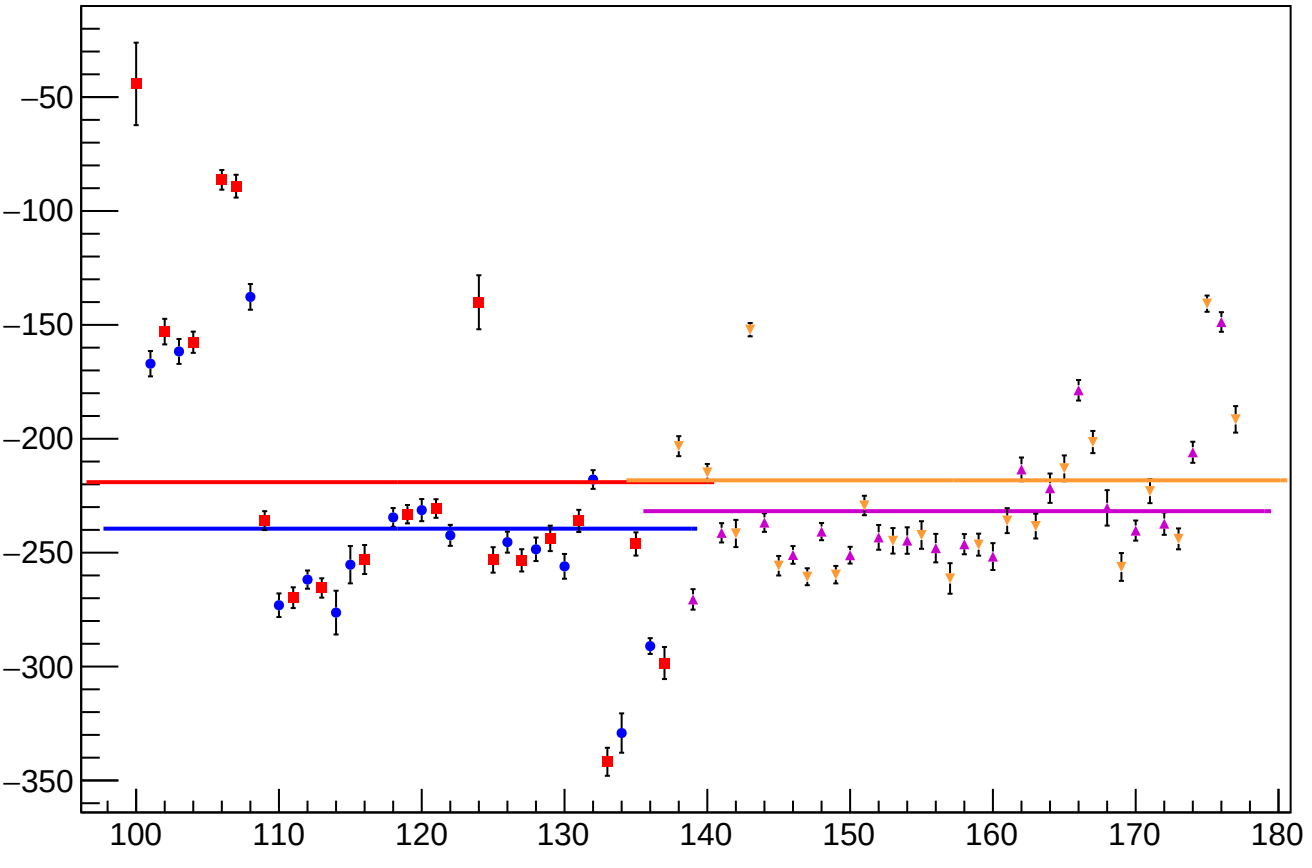
Left: -0.705+/-0.521 χ^2/NDF: 613.2/39

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 2.597+/-0.634 χ^2/NDF:563.8/34

Out: 0.692+/-0.588 χ^2/NDF:644.2/39

All: 1.573+/-0.431 χ^2/NDF: 1212.9/74



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -218.238+/-1.000 χ^2/NDF:1584.4/20

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -231.782+/-1.076 χ^2/NDF:738.0/18

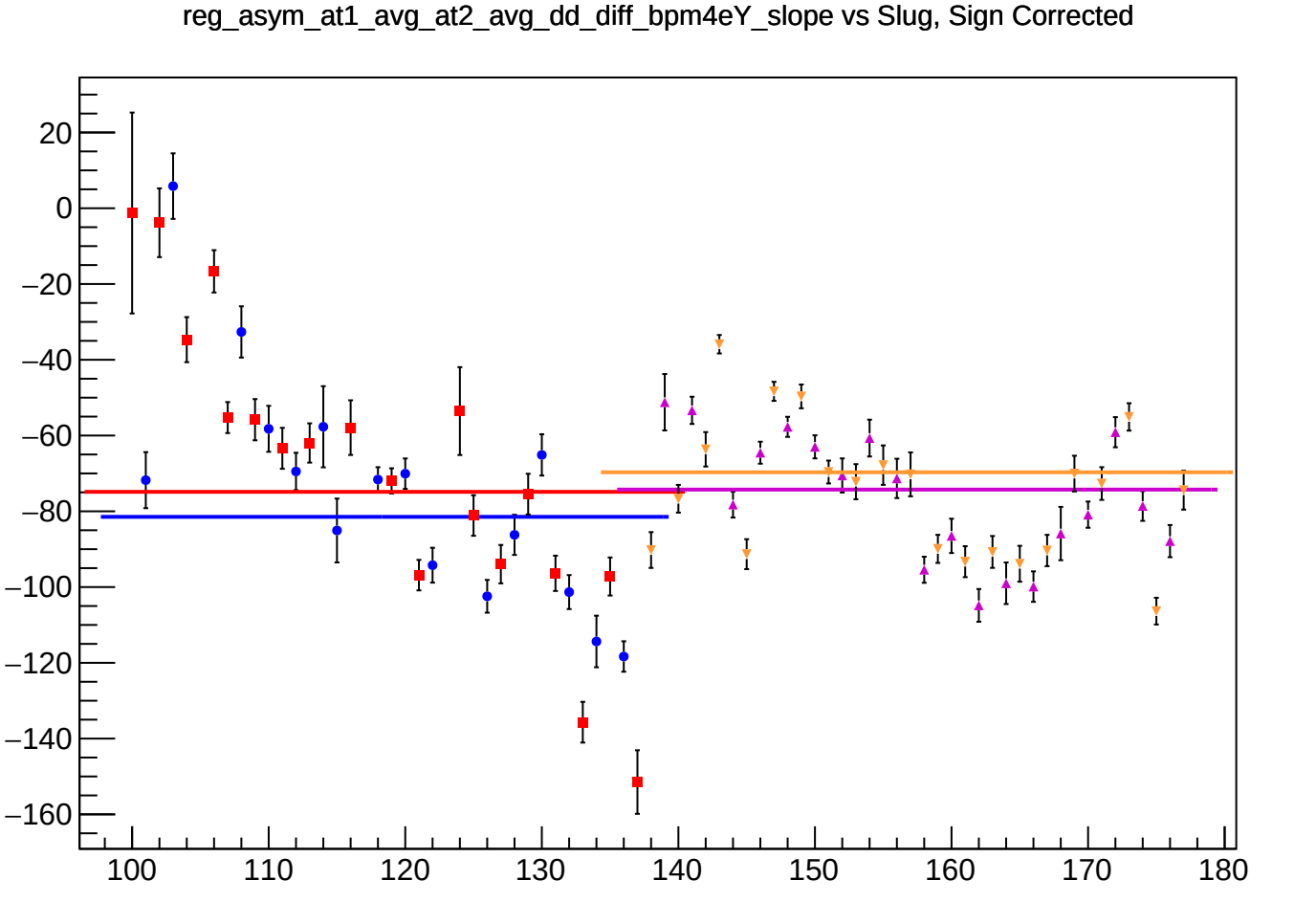
Left: -224.517+/-0.733 χ^2/NDF: 2407.4/39

Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

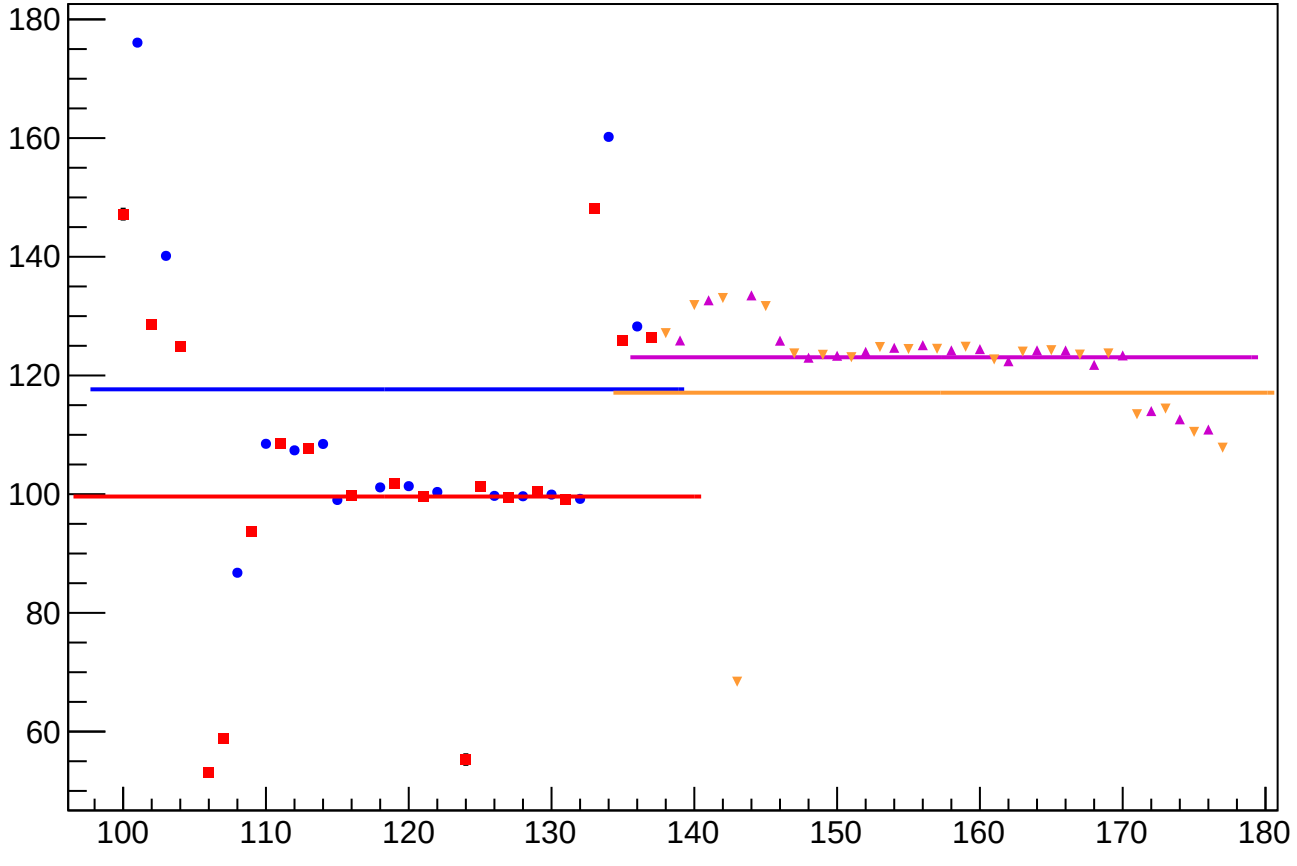
In: -235.067+/-0.814 χ^2/NDF:1922.0/34

Out: -218.580+/-0.762 χ^2/NDF:4634.0/39

All: -226.279+/-0.556 χ^2/NDF: 6774.7/74


reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
−140
−160
100
110
120
130
140
150
160
170
180
Right In: -81.462+/-1.287 χ²/NDF: 366.5/15
Left Out: -69.702+/-0.825 χ²/NDF:624.4/20
Right Out: -74.861+/-1.230 χ²/NDF: 576.6/18
Left In: -74.266+/-0.895 χ²/NDF:306.0/18
Left: -71.798+/-0.607 χ²/NDF: 944.5/39
Right: -78.013+/-0.889 χ²/NDF: 956.9/34
In: -76.614+/-0.735 χ²/NDF:693.6/34
Out: -71.303+/-0.685 χ²/NDF:1213.1/39
All: -73.772+/-0.501 χ²/NDF: 1934.6/74

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 117.098+/-0.039 χ^2/NDF:203030.0/20

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 123.069+/-0.041 χ^2/NDF:18761.7/18

Left: 119.941+/-0.028 χ^2/NDF: 232991.5/39

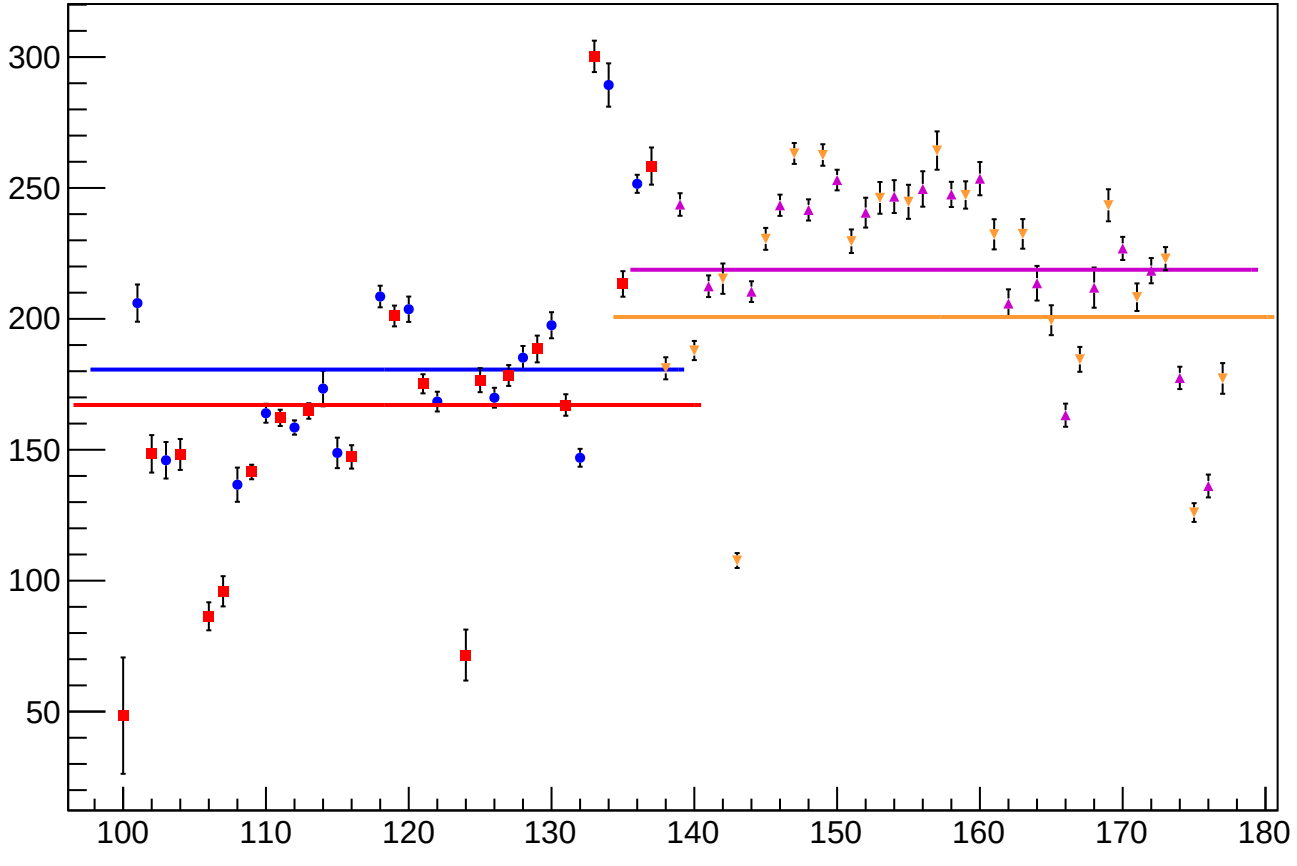
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 121.913+/-0.036 χ^2/NDF:117905.5/34

Out: 112.993+/-0.034 χ^2/NDF:416654.8/39

All: 117.181+/-0.025 χ^2/NDF: 566769.4/74

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 200.708+/-1.011 χ^2/NDF:2535.3/20

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 218.757+/-1.094 χ^2/NDF:925.7/18

Left: 209.024+/-0.743 χ^2/NDF: 3607.8/39

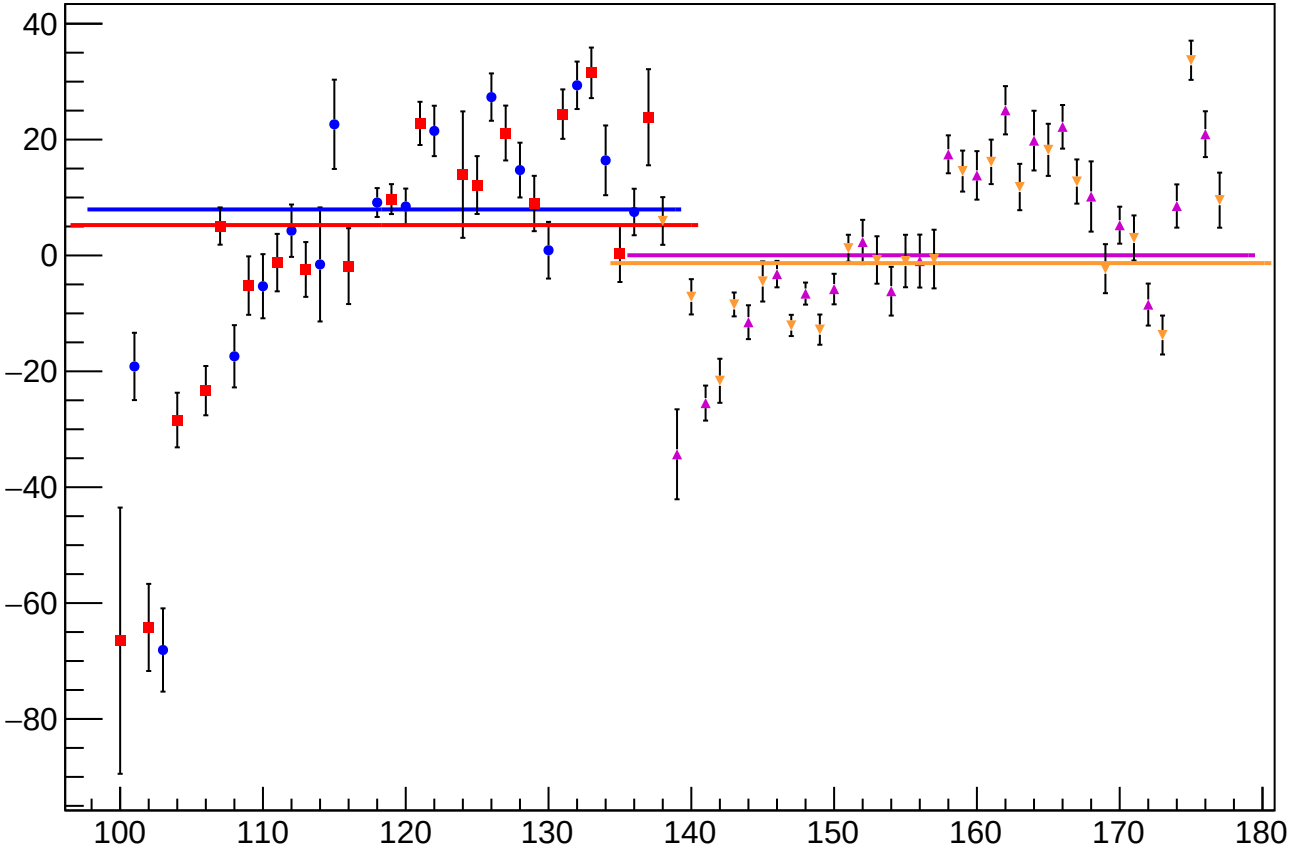
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 199.616+/-0.772 χ^2/NDF:2528.6/34

Out: 184.060+/-0.718 χ^2/NDF:4566.7/39

All: 191.279+/-0.526 χ^2/NDF: 7312.9/74

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -1.323+/-0.707 χ^2/NDF:314.8/20

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: 0.032+/-0.771 χ^2/NDF:296.8/18

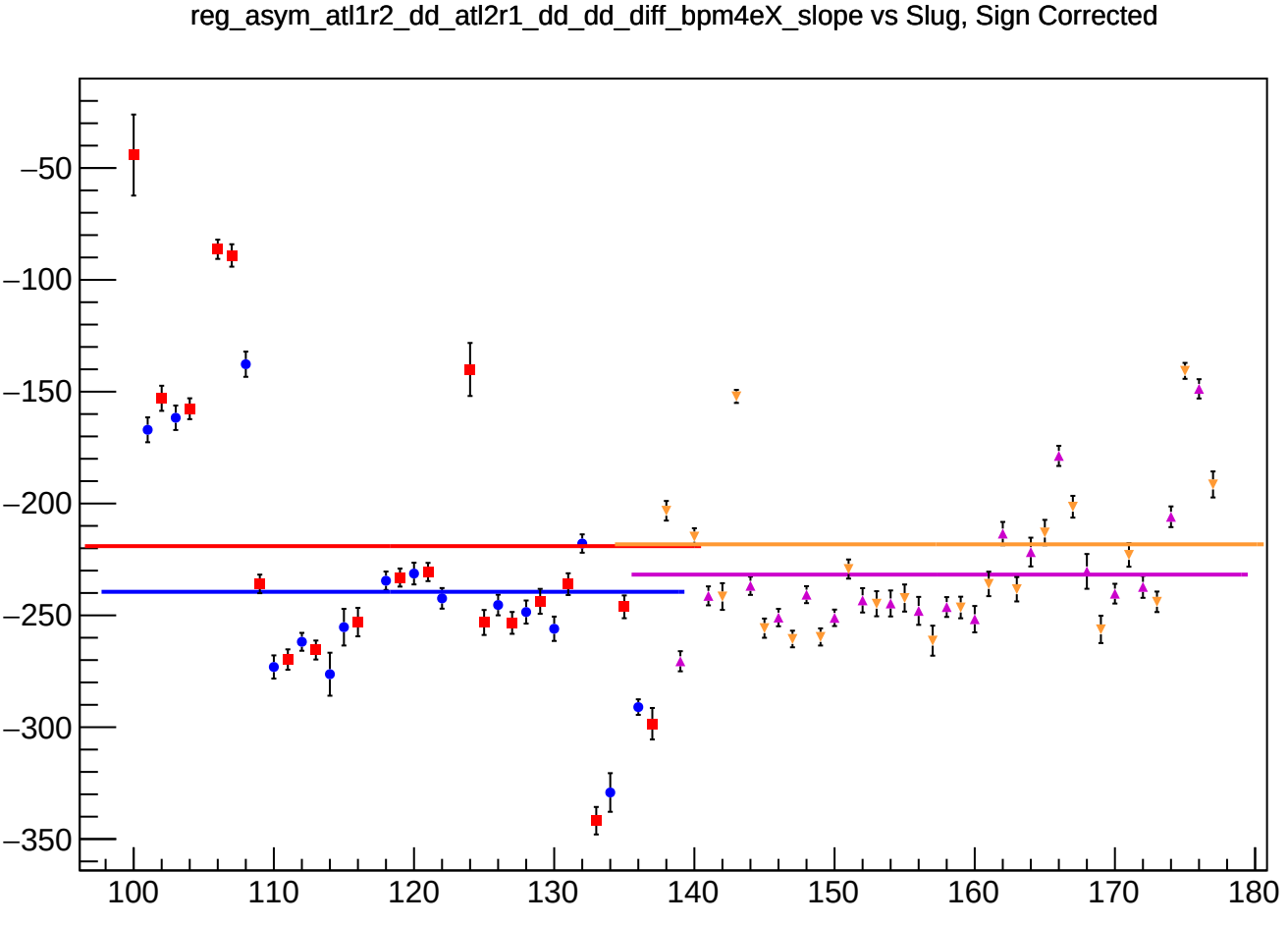
Left: -0.705+/-0.521 χ^2/NDF: 613.2/39

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 2.597+/-0.634 χ^2/NDF:563.8/34

Out: 0.692+/-0.588 χ^2/NDF:644.2/39

All: 1.573+/-0.431 χ^2/NDF: 1212.9/74



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -218.238+/-1.000 χ^2/NDF:1584.4/20

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -231.782+/-1.076 χ^2/NDF:738.0/18

Left: -224.517+/-0.733 χ^2/NDF: 2407.4/39

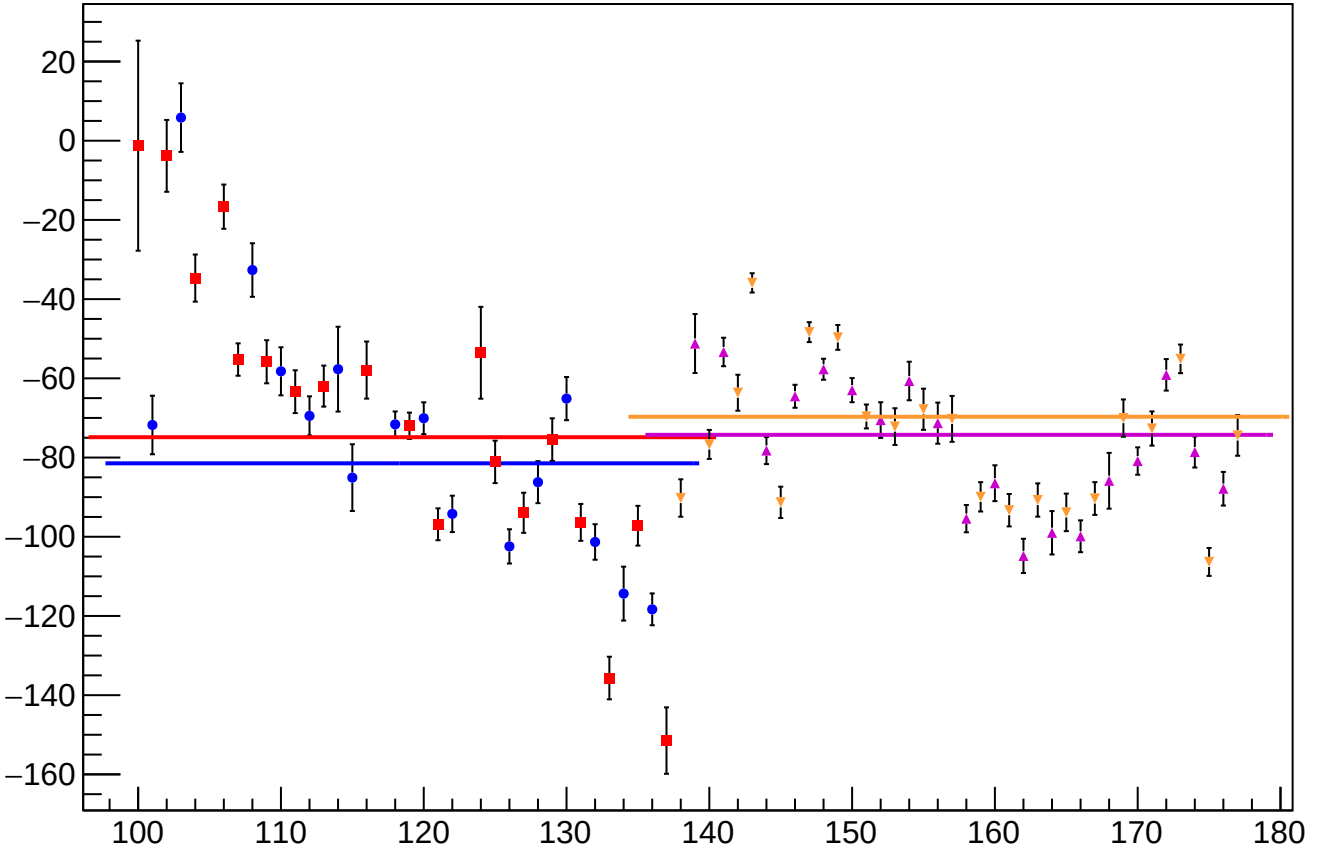
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -235.067+/-0.814 χ^2/NDF:1922.0/34

Out: -218.580+/-0.762 χ^2/NDF:4634.0/39

All: -226.279+/-0.556 χ^2/NDF: 6774.7/74

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -69.702+/-0.825 χ^2/NDF:624.4/20

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -74.266+/-0.895 χ^2/NDF:306.0/18

Left: -71.798+/-0.607 χ^2/NDF: 944.5/39

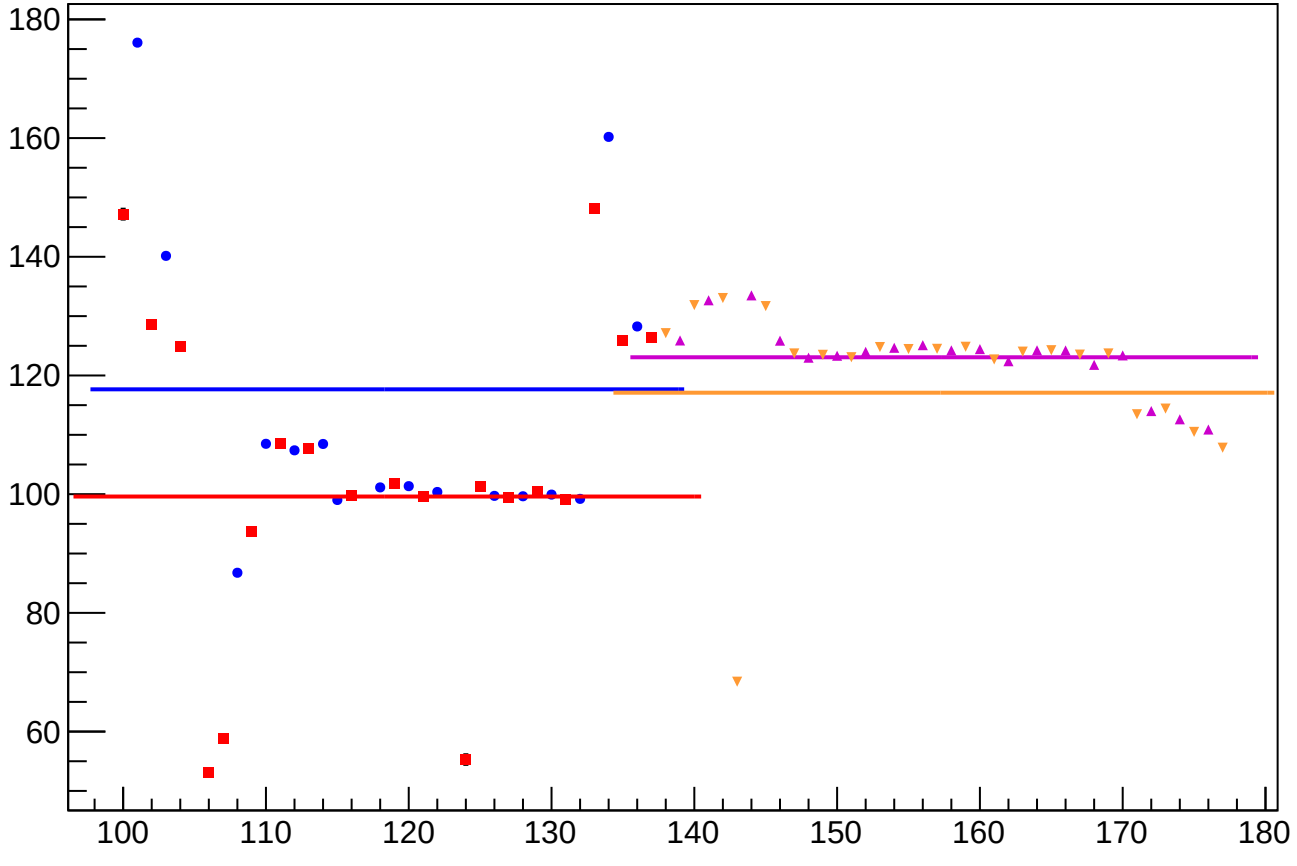
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -76.614+/-0.735 χ^2/NDF:693.6/34

Out: -71.303+/-0.685 χ^2/NDF:1213.1/39

All: -73.772+/-0.501 χ^2/NDF: 1934.6/74

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 117.098+/-0.039 χ^2/NDF:203030.0/20

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 123.069+/-0.041 χ^2/NDF:18761.7/18

Left: 119.941+/-0.028 χ^2/NDF: 232991.5/39

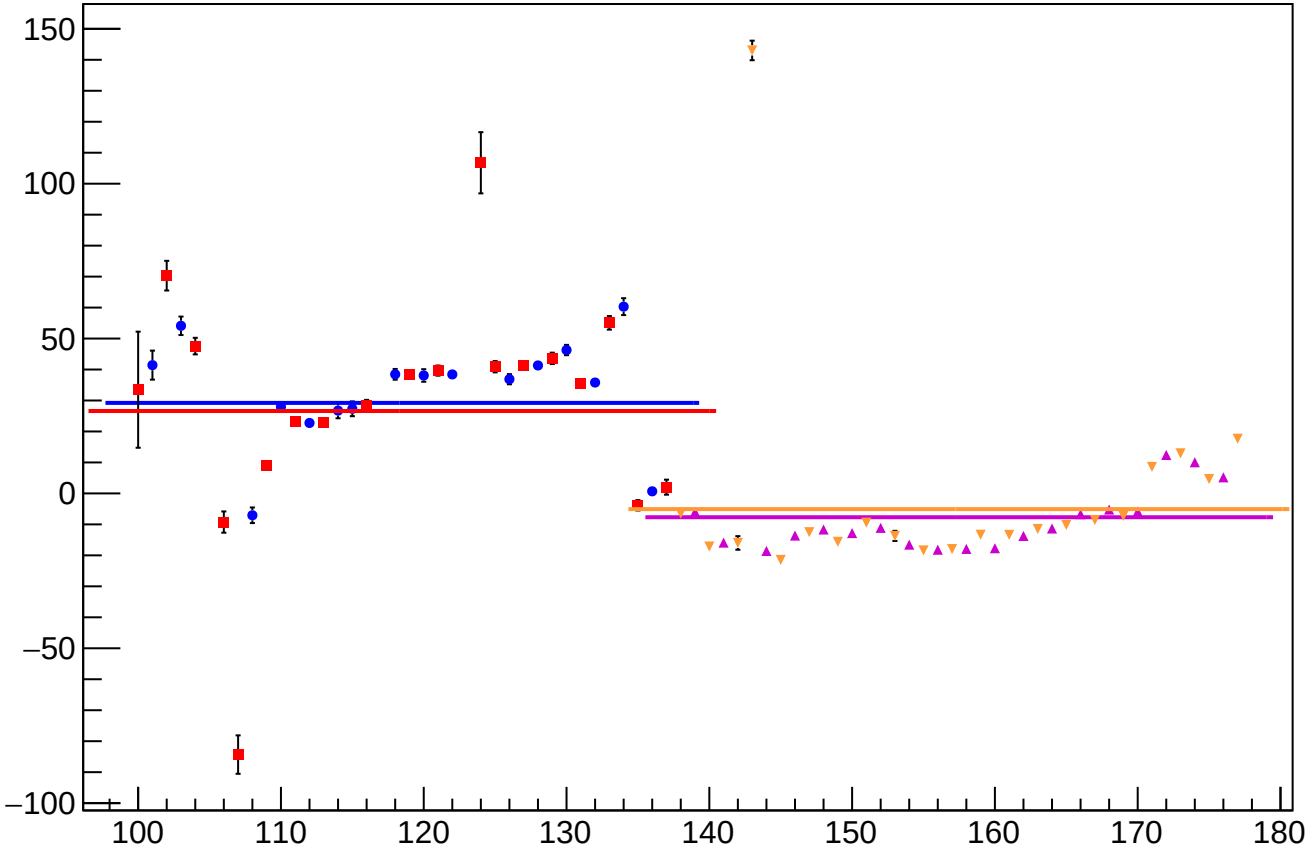
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 121.913+/-0.036 χ^2/NDF:117905.5/34

Out: 112.993+/-0.034 χ^2/NDF:416654.8/39

All: 117.181+/-0.025 χ^2/NDF: 566769.4/74

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -5.071+/-0.310 χ^2/NDF:3514.6/20

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -7.692+/-0.317 χ^2/NDF:911.9/18

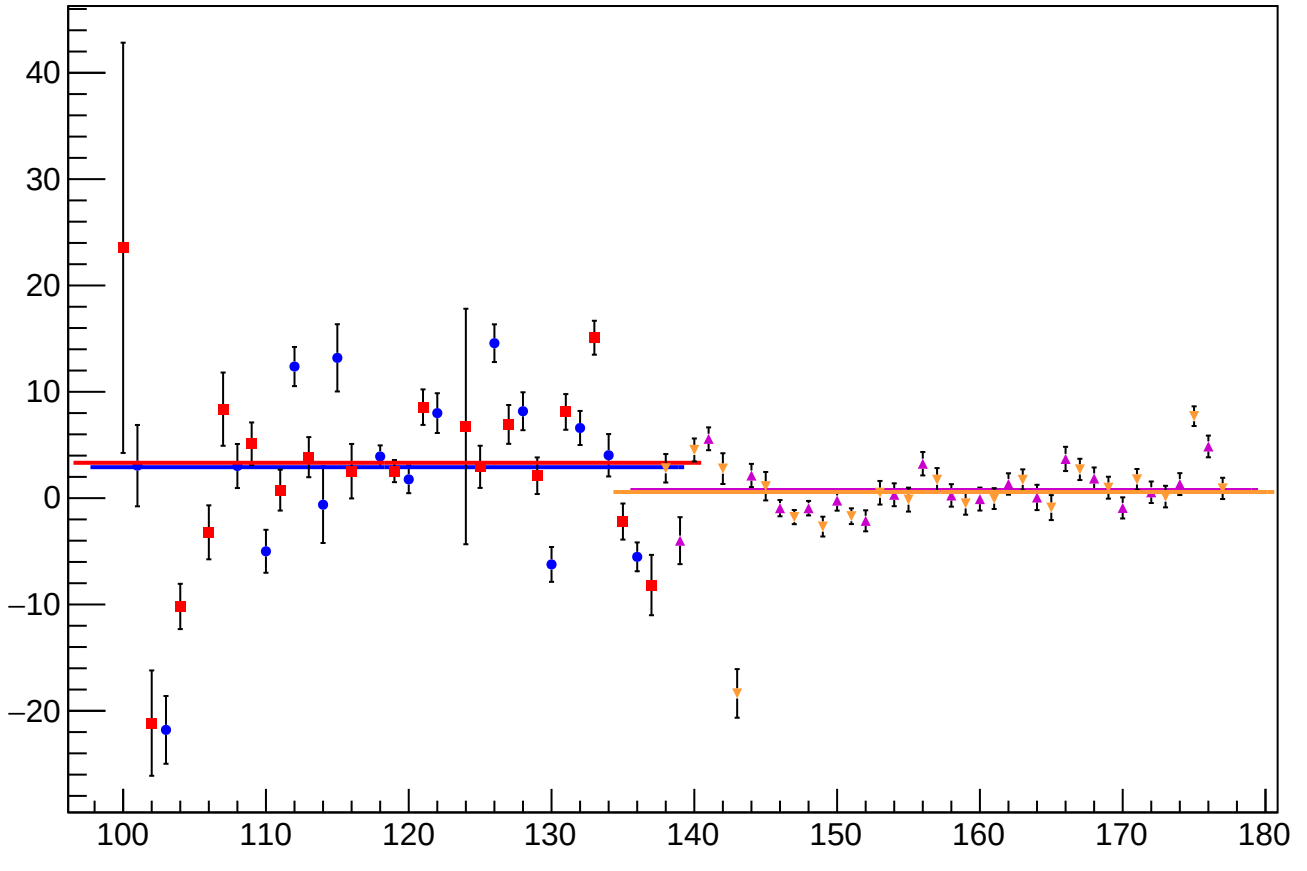
Left: -6.351+/-0.222 χ^2/NDF: 4461.4/39

Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 5.550+/-0.254 χ^2/NDF:7111.6/34

Out: 6.304+/-0.248 χ^2/NDF:9186.7/39

All: 5.936+/-0.178 χ^2/NDF: 16302.8/74



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: 0.579+/-0.223 χ^2/NDF:193.2/20

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.766+/-0.232 χ^2/NDF:80.9/18

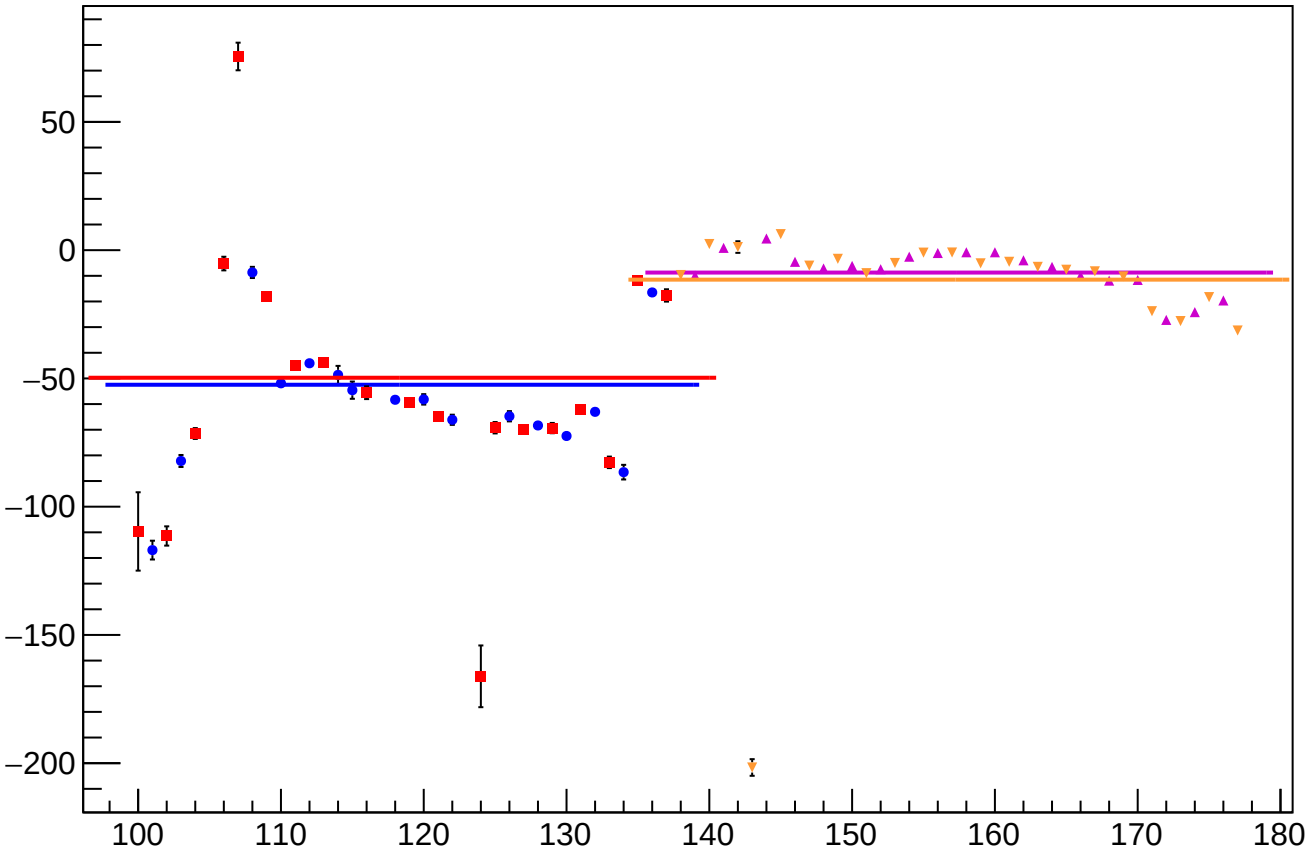
Left: 0.669+/-0.161 χ^2/NDF: 274.5/39

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 1.228+/-0.205 χ^2/NDF:349.4/34

Out: 1.114+/-0.200 χ^2/NDF:404.5/39

All: 1.169+/-0.143 χ^2/NDF: 754.0/74



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -11.492+/-0.305 χ^2/NDF:4489.0/20

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -8.731+/-0.312 χ^2/NDF:694.5/18

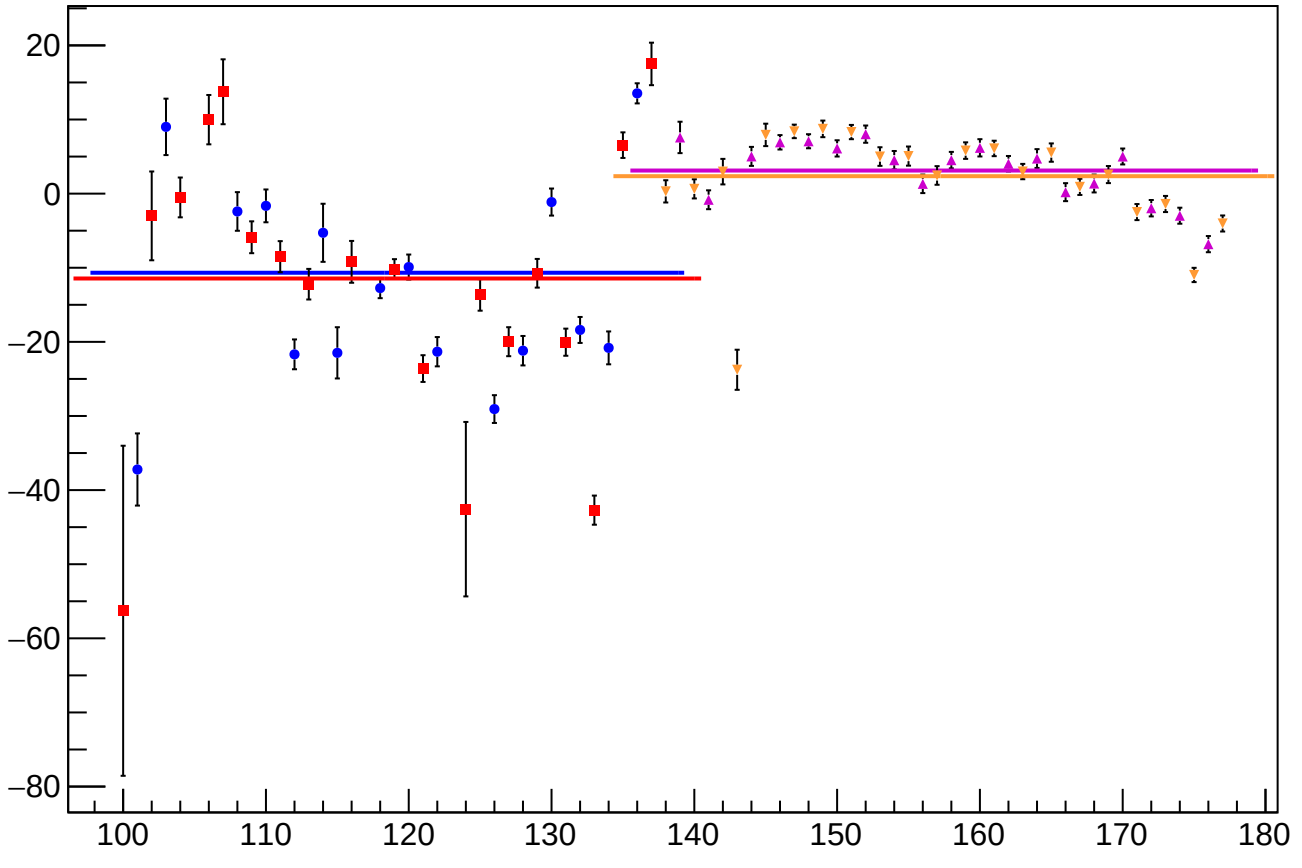
Left: -10.146+/-0.218 χ^2/NDF: 5223.5/39

Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -21.444+/-0.263 χ^2/NDF:8727.2/34

Out: -22.025+/-0.259 χ^2/NDF:11840.2/39

All: -21.739+/-0.185 χ^2/NDF: 20569.9/74



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 2.354+/-0.255 χ^2/NDF:523.6/20

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 3.117+/-0.264 χ^2/NDF:234.9/18

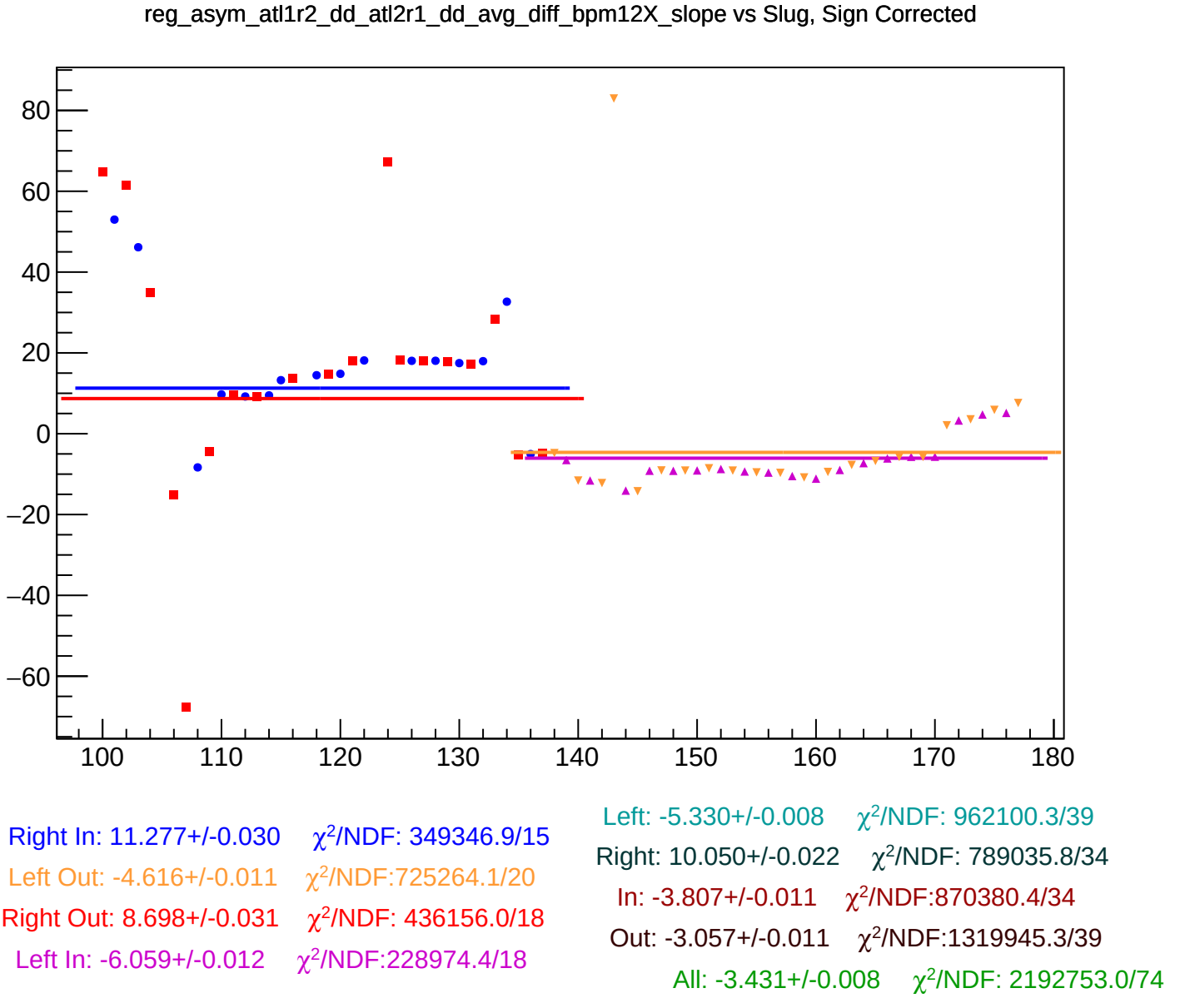
Left: 2.721+/-0.183 χ^2/NDF: 762.8/39

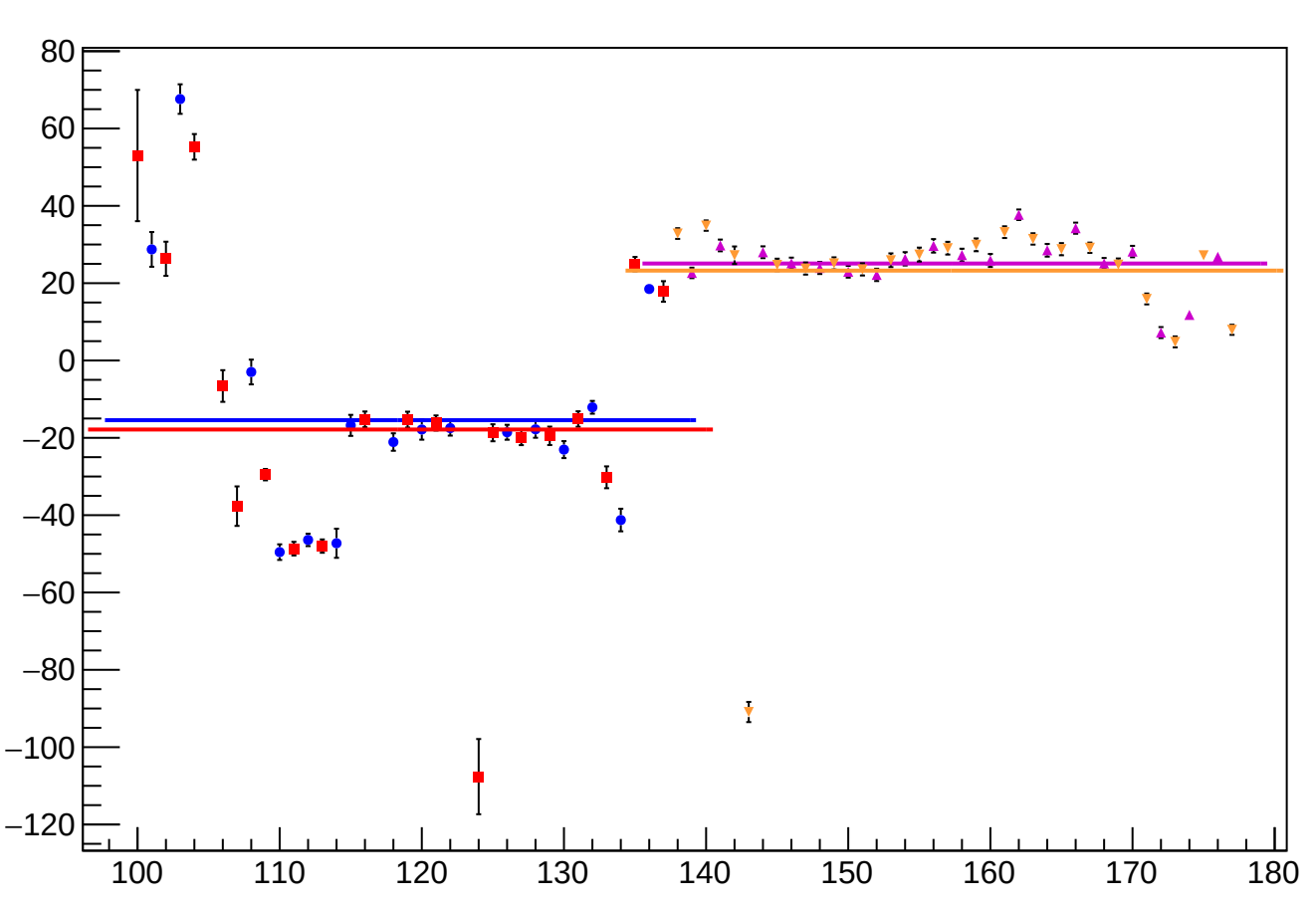
Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: 0.154+/-0.234 χ^2/NDF:1485.9/34

Out: -0.347+/-0.228 χ^2/NDF:1764.9/39

All: -0.103+/-0.163 χ^2/NDF: 3253.1/74


reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
170
180
Right In: 11.277+/-0.030 χ²/NDF: 349346.9/15
Left Out: -4.616+/-0.011 χ²/NDF:725264.1/20
Right Out: 8.698+/-0.031 χ²/NDF: 436156.0/18
Left In: -6.059+/-0.012 χ²/NDF:228974.4/18
Left: -5.330+/-0.008 χ²/NDF: 962100.3/39
Right: 10.050+/-0.022 χ²/NDF: 789035.8/34
In: -3.807+/-0.011 χ²/NDF:870380.4/34
Out: -3.057+/-0.011 χ²/NDF:1319945.3/39
All: -3.431+/-0.008 χ²/NDF: 2192753.0/74



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 23.253+/-0.331 χ^2/NDF:2529.0/20

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 25.084+/-0.339 χ^2/NDF:442.4/18

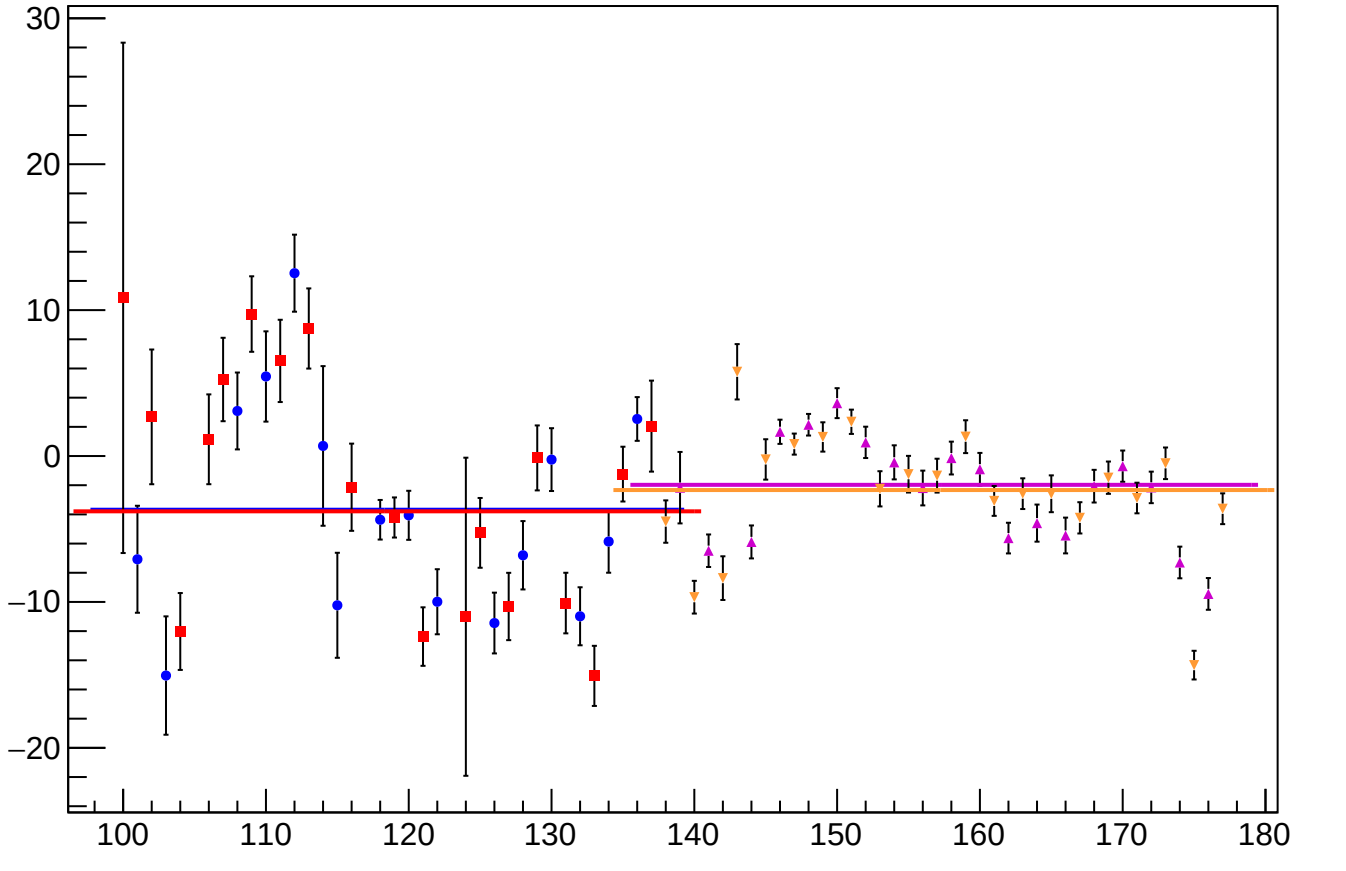
Left: 24.144+/-0.237 χ^2/NDF: 2986.3/39

Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: 13.576+/-0.287 χ^2/NDF:6612.9/34

Out: 11.729+/-0.280 χ^2/NDF:8987.8/39

All: 12.630+/-0.201 χ^2/NDF: 15621.9/74



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -2.332+/-0.238 χ^2/NDF:315.7/20

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -1.974+/-0.248 χ^2/NDF:218.1/18

Left: -2.160+/-0.172 χ^2/NDF: 534.9/39

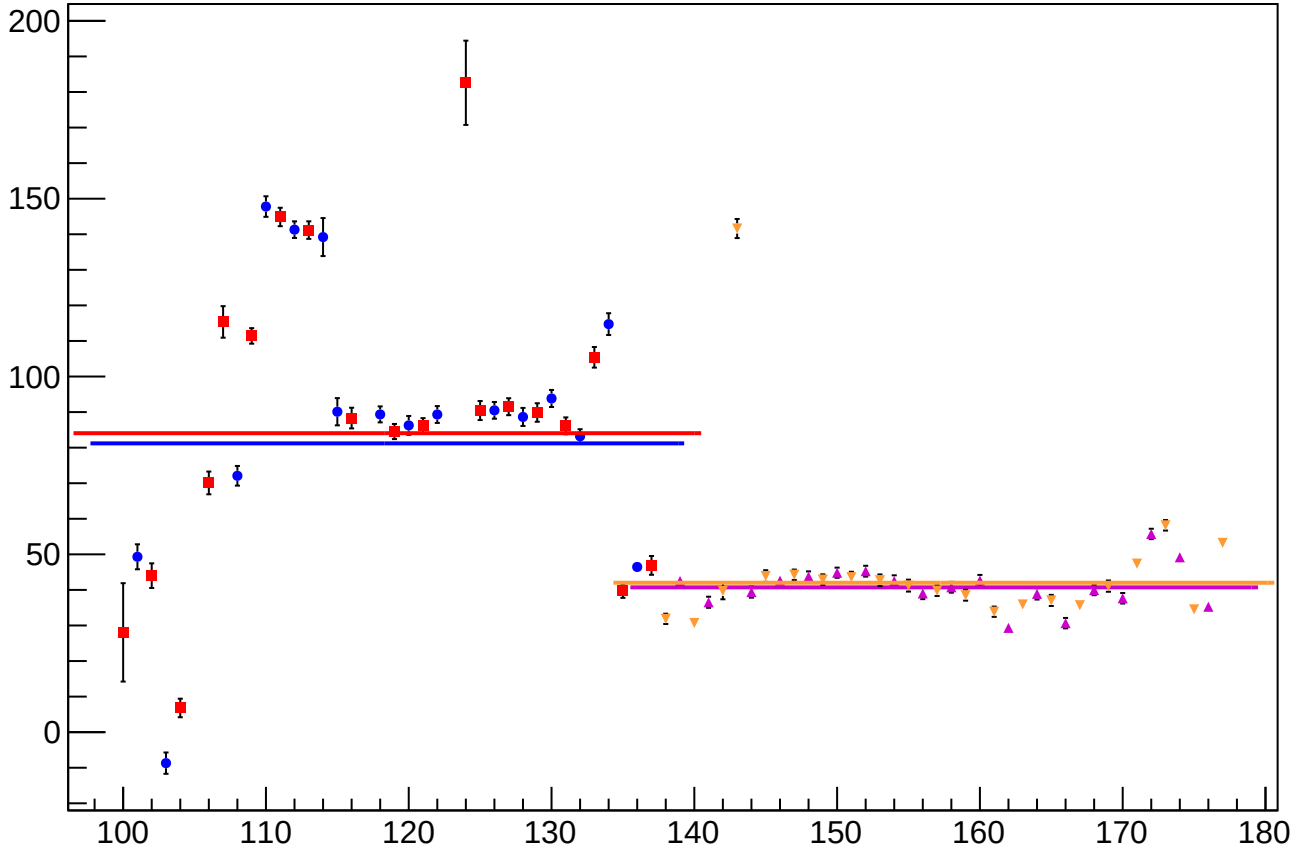
Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -2.260+/-0.226 χ^2/NDF:350.0/34

Out: -2.553+/-0.220 χ^2/NDF:482.6/39

All: -2.411+/-0.158 χ^2/NDF: 833.5/74

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 42.017+/-0.325 χ^2/NDF:1848.7/20

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 40.717+/-0.334 χ^2/NDF:333.6/18

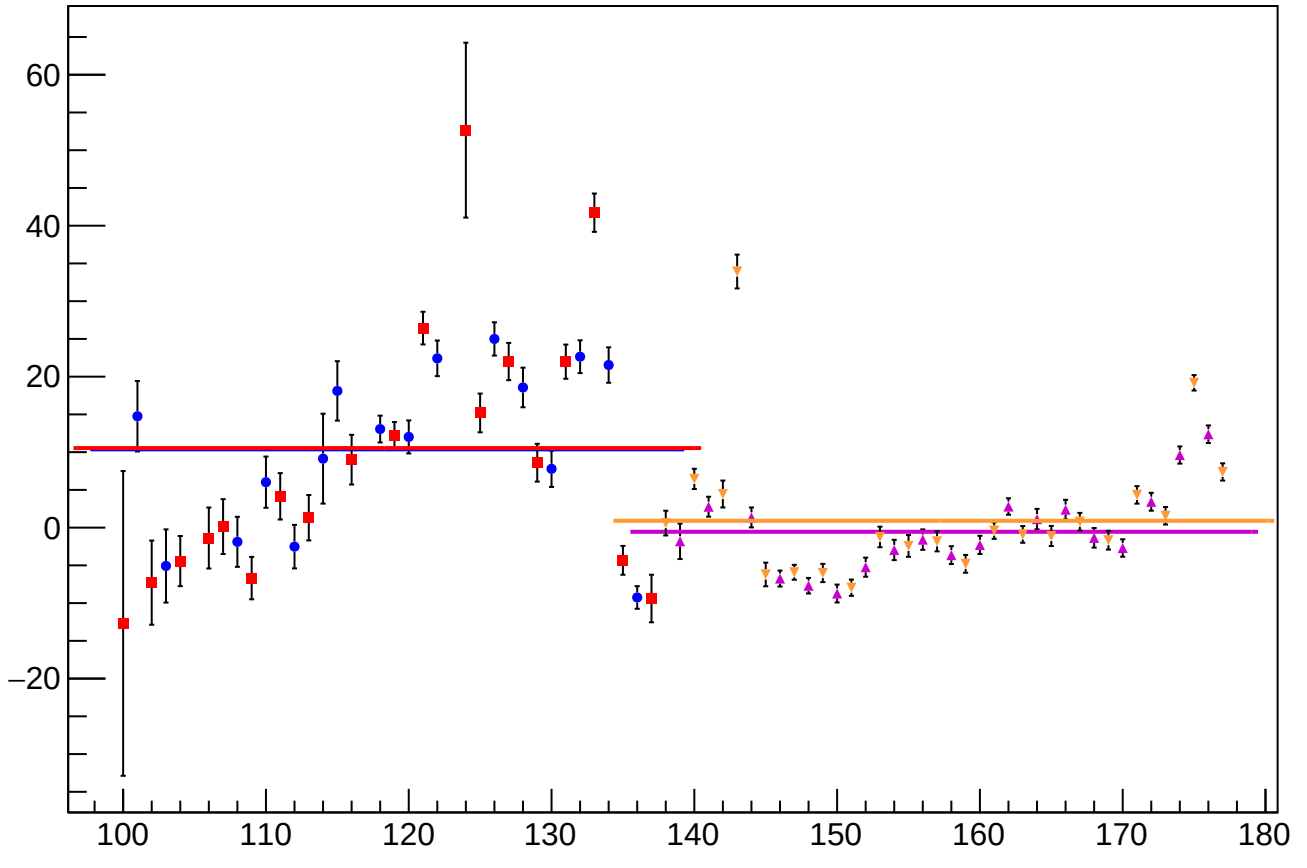
Left: 41.385+/-0.233 χ^2/NDF: 2190.1/39

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 50.133+/-0.293 χ^2/NDF:6977.5/34

Out: 51.172+/-0.288 χ^2/NDF:8696.9/39

All: 50.662+/-0.205 χ^2/NDF: 15680.8/74



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: 0.905+/-0.272 χ^2/NDF:812.6/20

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -0.550+/-0.282 χ^2/NDF:399.0/18

Left: 0.205+/-0.196 χ^2/NDF: 1225.4/39

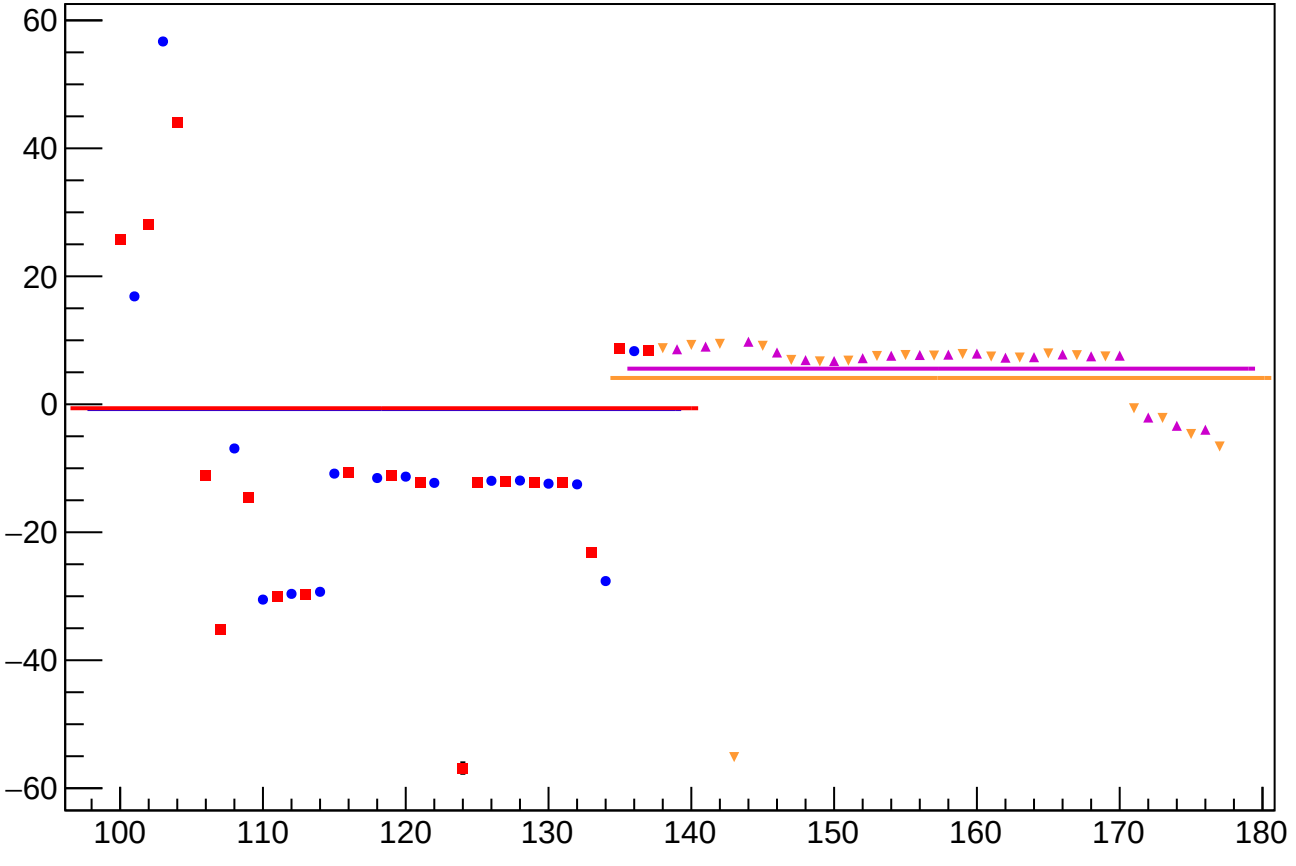
Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 1.294+/-0.258 χ^2/NDF:1011.1/34

Out: 2.376+/-0.250 χ^2/NDF:1475.2/39

All: 1.851+/-0.179 χ^2/NDF: 2495.4/74

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 4.113+/-0.012 χ^2/NDF:458760.1/20

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 5.569+/-0.012 χ^2/NDF:127182.5/18

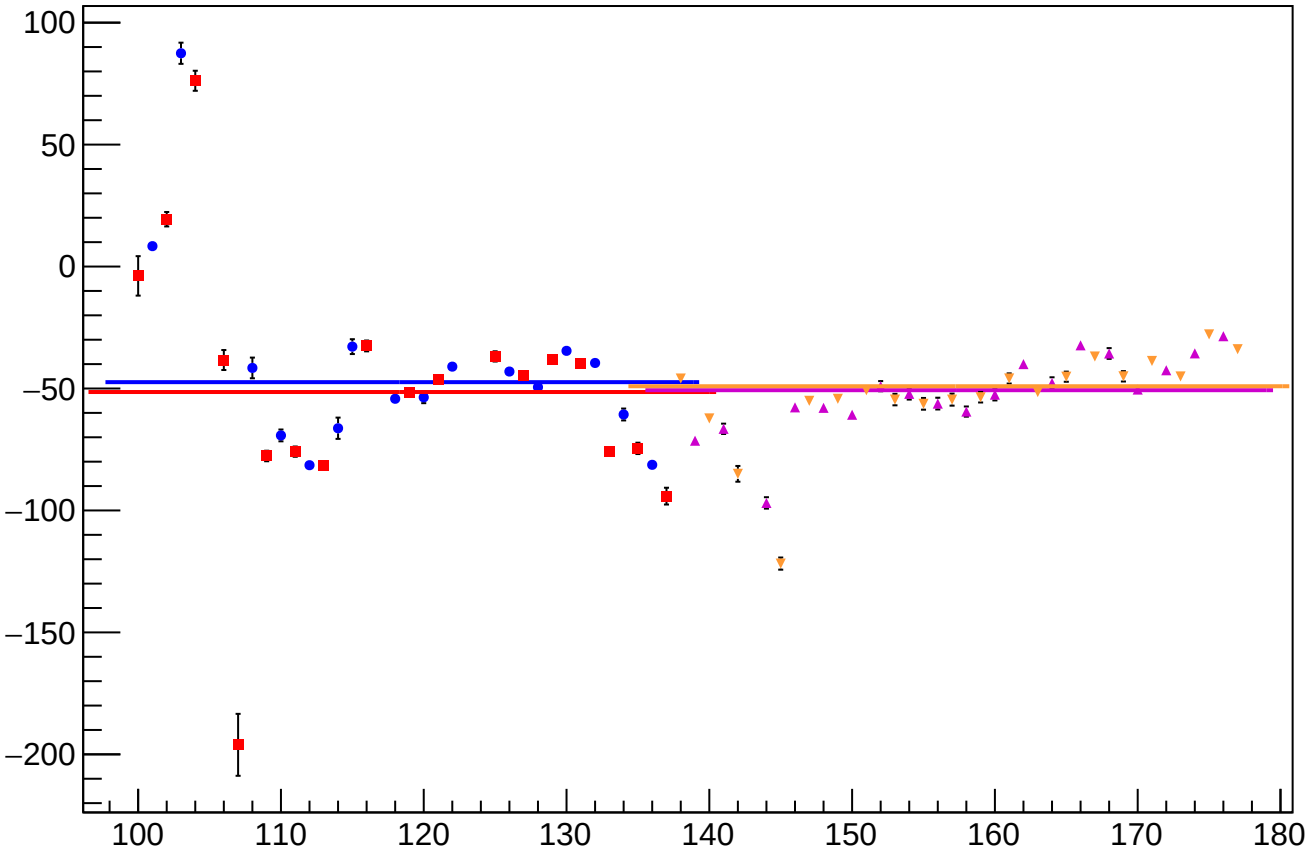
Left: 4.832+/-0.009 χ^2/NDF: 592935.4/39

Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 4.897+/-0.012 χ^2/NDF:522846.7/34

Out: 3.655+/-0.012 χ^2/NDF:789757.2/39

All: 4.271+/-0.008 χ^2/NDF: 1318276.3/74



Right In: -47.398+/-0.535 χ^2/NDF: 2769.0/15

Left Out: -49.075+/-0.444 χ^2/NDF:1468.2/19

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

Left In: -50.695+/-0.453 χ^2/NDF:1133.4/18

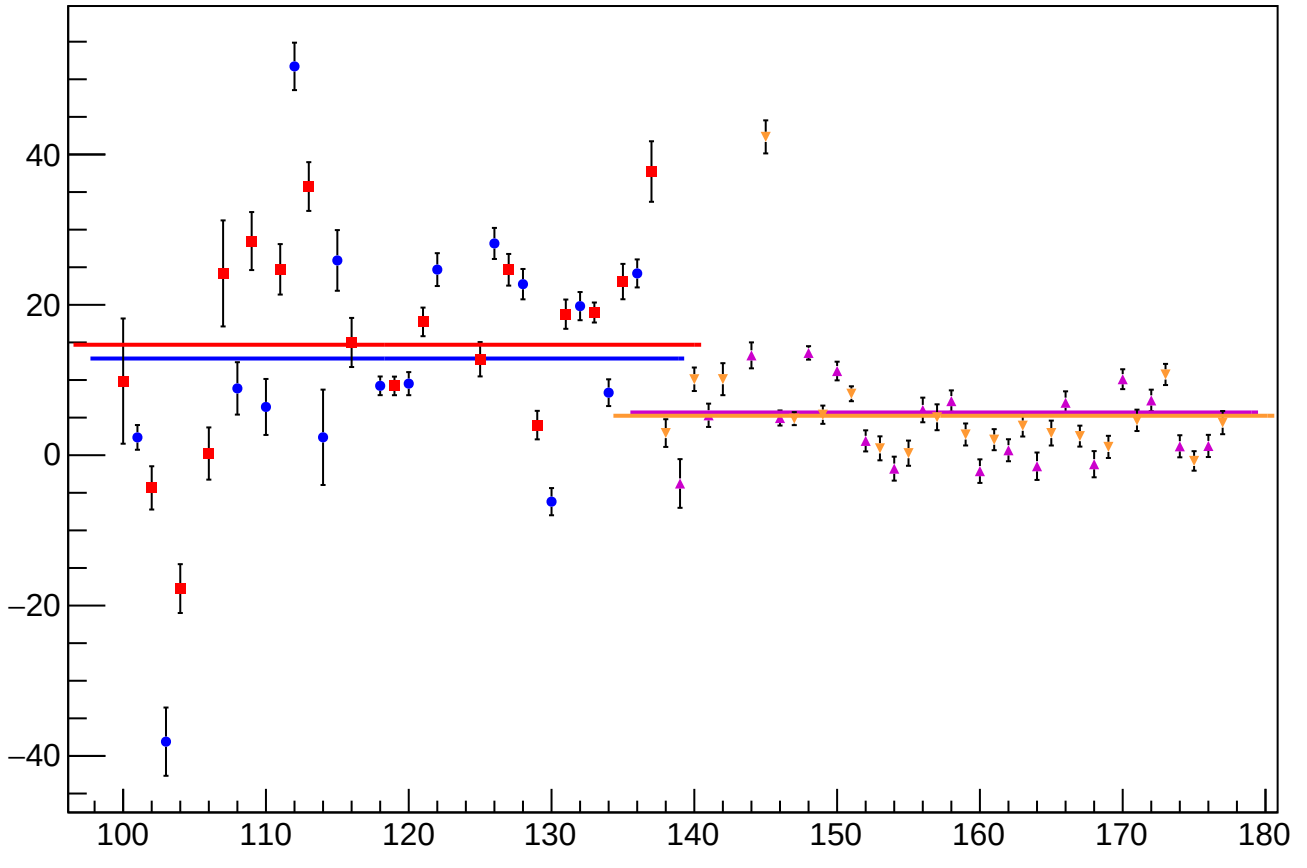
Left: -49.870+/-0.317 χ^2/NDF: 2608.1/38

Right: -49.383+/-0.382 χ^2/NDF: 5669.8/33

In: -49.320+/-0.346 χ^2/NDF:3924.6/34

Out: -50.020+/-0.344 χ^2/NDF:4352.2/37

All: -49.671+/-0.244 χ^2/NDF: 8278.9/72



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 5.248+/-0.315 χ^2/NDF:385.7/19

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

Left In: 5.686+/-0.326 χ^2/NDF:256.0/18

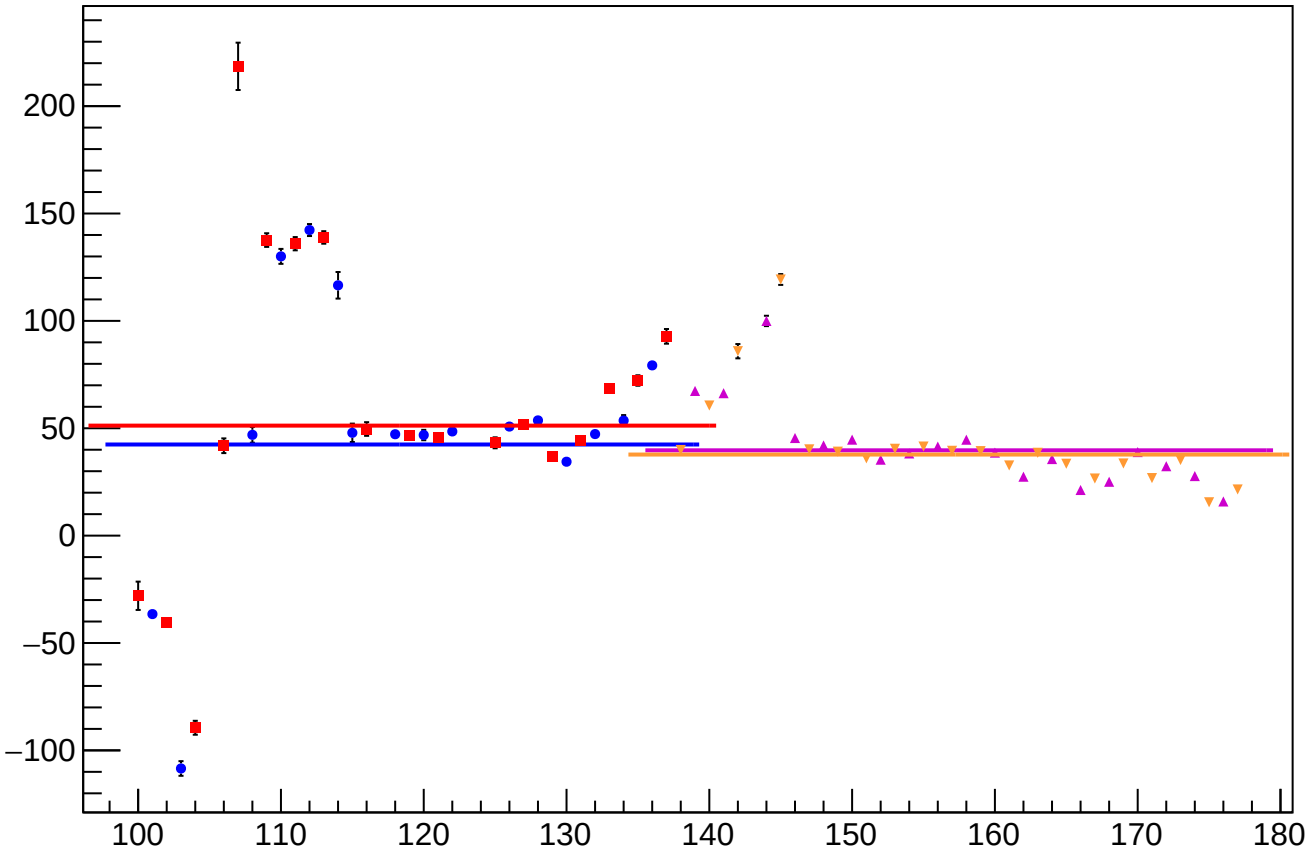
Left: 5.459+/-0.227 χ^2/NDF: 642.6/38

Right: 13.731+/-0.375 χ^2/NDF: 995.5/33

In: 7.715+/-0.276 χ^2/NDF:1018.7/34

Out: 7.619+/-0.273 χ^2/NDF:975.3/37

All: 7.666+/-0.194 χ^2/NDF: 1994.0/72



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 37.757+/-0.436 χ^2/NDF:1835.5/19

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

Left In: 39.727+/-0.445 χ^2/NDF:1497.6/18

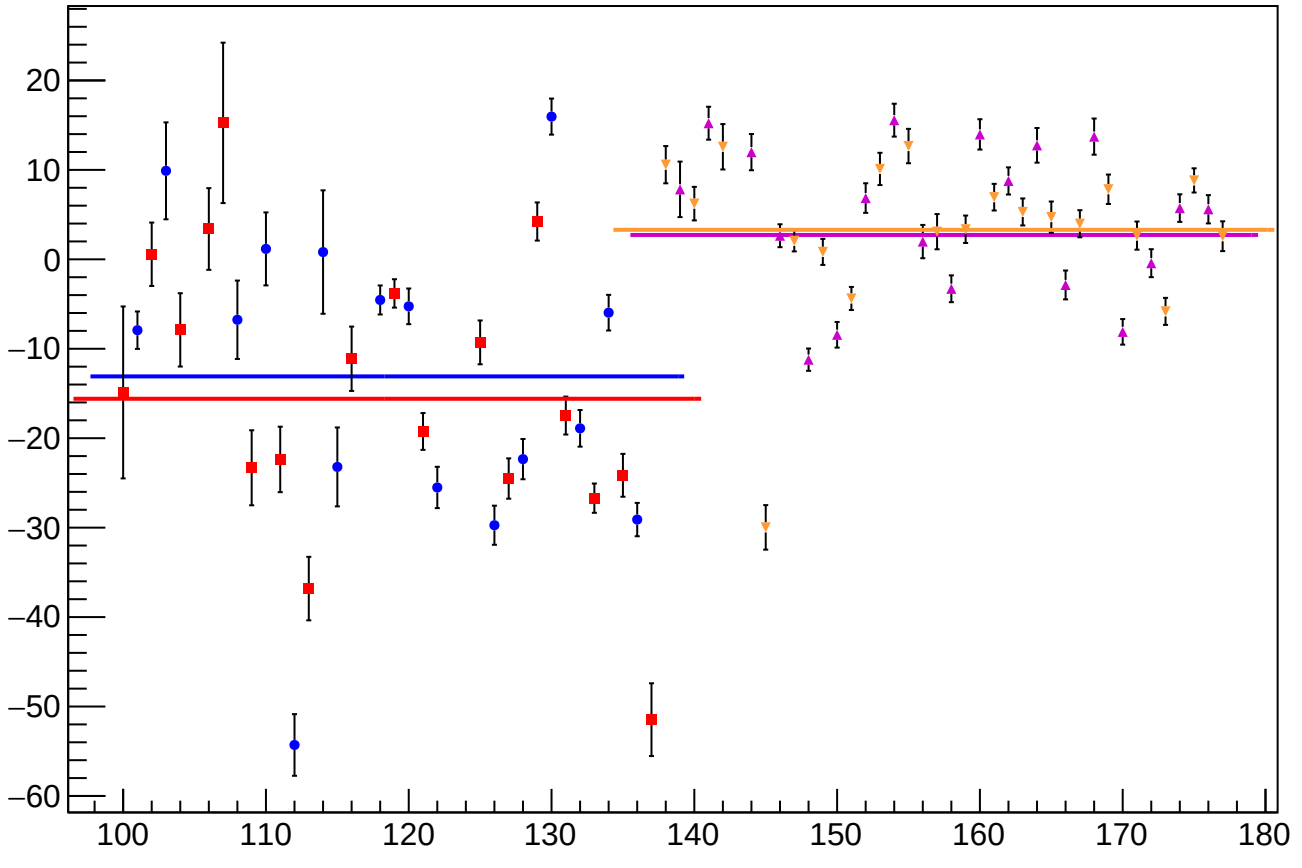
Left: 38.722+/-0.311 χ^2/NDF: 3343.1/38

Right: 46.608+/-0.424 χ^2/NDF: 13887.6/33

In: 40.721+/-0.354 χ^2/NDF:8680.2/34

Out: 42.265+/-0.356 χ^2/NDF:8766.1/37

All: 41.489+/-0.251 χ^2/NDF: 17455.7/72



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 3.301+/-0.362 χ^2/NDF:353.6/19

Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 2.724+/-0.373 χ^2/NDF:523.1/18

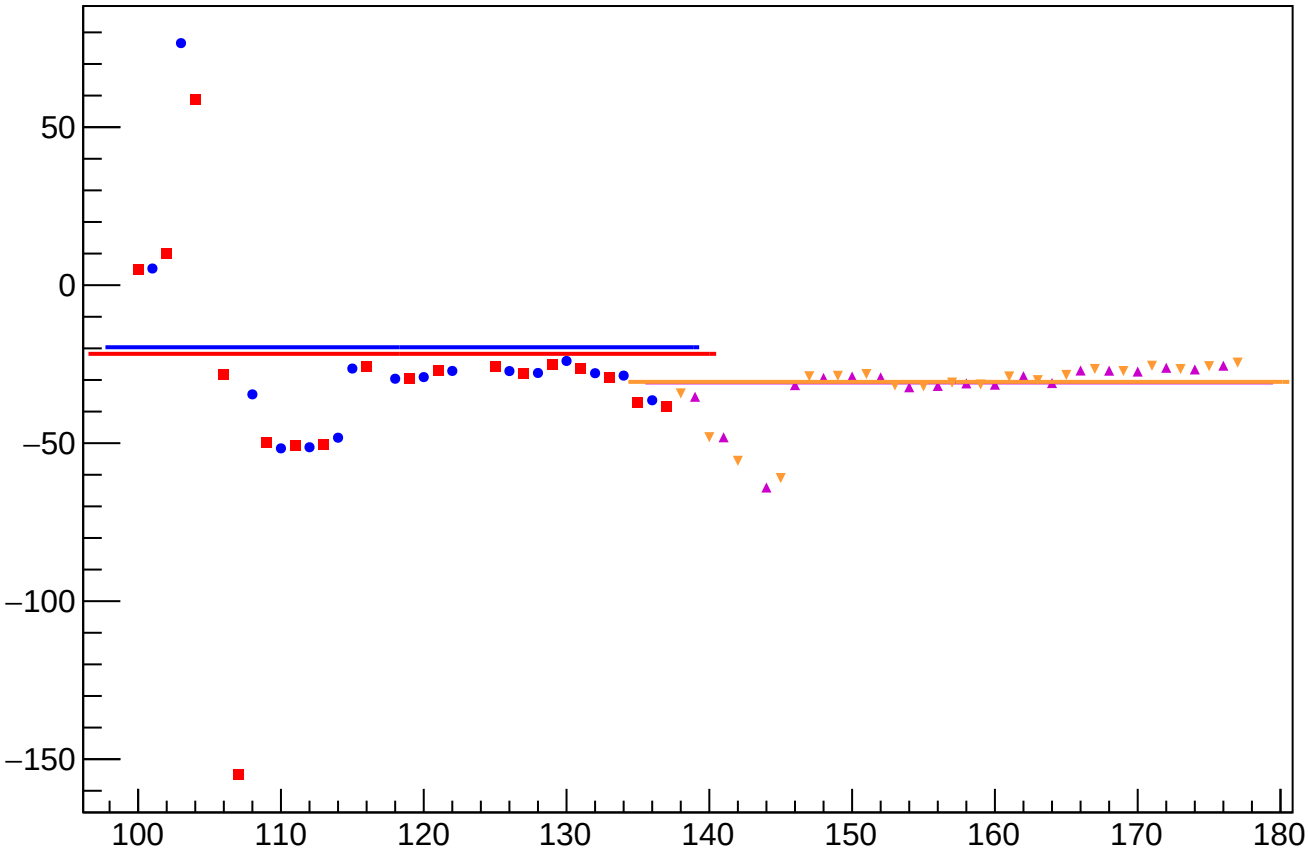
Left: 3.022+/-0.260 χ^2/NDF: 877.9/38

Right: -14.285+/-0.433 χ^2/NDF: 1050.0/33

In: -1.694+/-0.317 χ^2/NDF:1664.1/34

Out: -1.416+/-0.313 χ^2/NDF:1436.8/37

All: -1.553+/-0.223 χ^2/NDF: 3101.3/72



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -30.599+/-0.016 χ^2/NDF:206097.0/19

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

Left In: -30.775+/-0.017 χ^2/NDF:164043.9/18

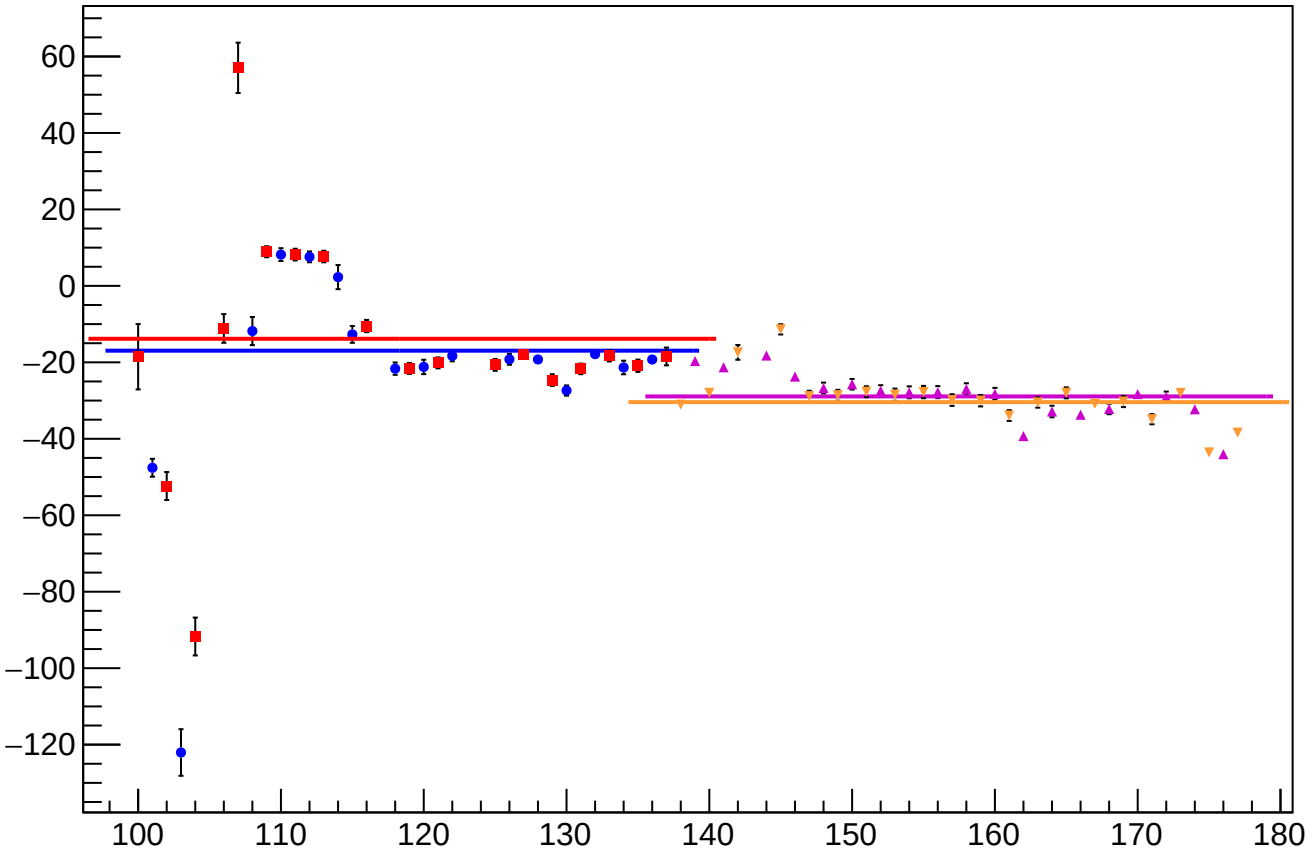
Left: -30.686+/-0.012 χ^2/NDF: 370197.7/38

Right: -20.610+/-0.026 χ^2/NDF: 1195130.0/33

In: -28.840+/-0.015 χ^2/NDF:889463.3/34

Out: -29.249+/-0.015 χ^2/NDF:796853.6/37

All: -29.043+/-0.011 χ^2/NDF: 1686683.5/72



Right In: -16.949+/-0.404 χ^2/NDF: 1128.2/15

Left Out: -30.404+/-0.303 χ^2/NDF:510.4/19

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

Left In: -28.915+/-0.308 χ^2/NDF:472.1/18

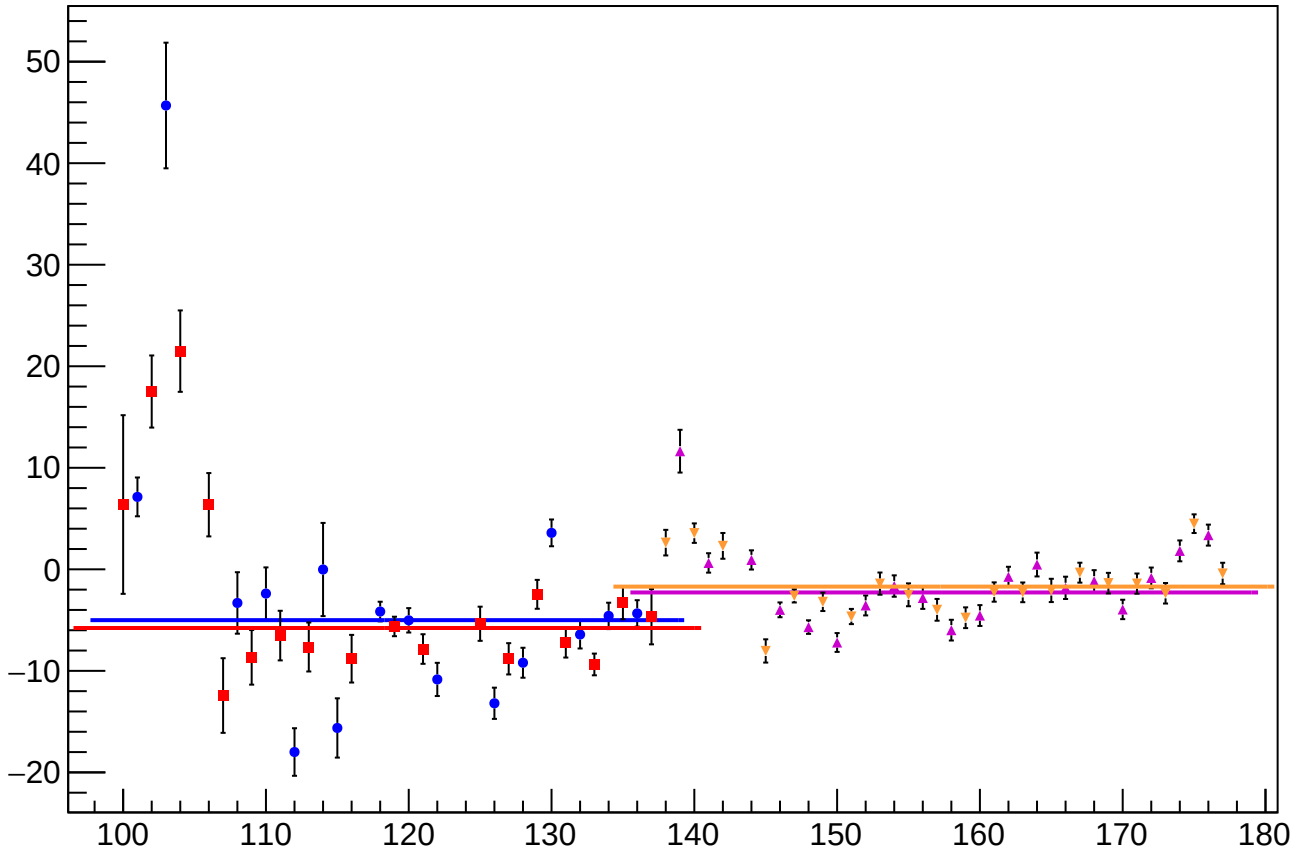
Left: -29.671+/-0.216 χ^2/NDF: 994.3/38

Right: -15.414+/-0.287 χ^2/NDF: 2490.7/33

In: -24.515+/-0.245 χ^2/NDF:2155.4/34

Out: -24.530+/-0.244 χ^2/NDF:2901.5/37

All: -24.523+/-0.173 χ^2/NDF: 5056.9/72



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: -1.703+/-0.219 χ^2/NDF:167.0/19

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

Left In: -2.278+/-0.225 χ^2/NDF:204.4/18

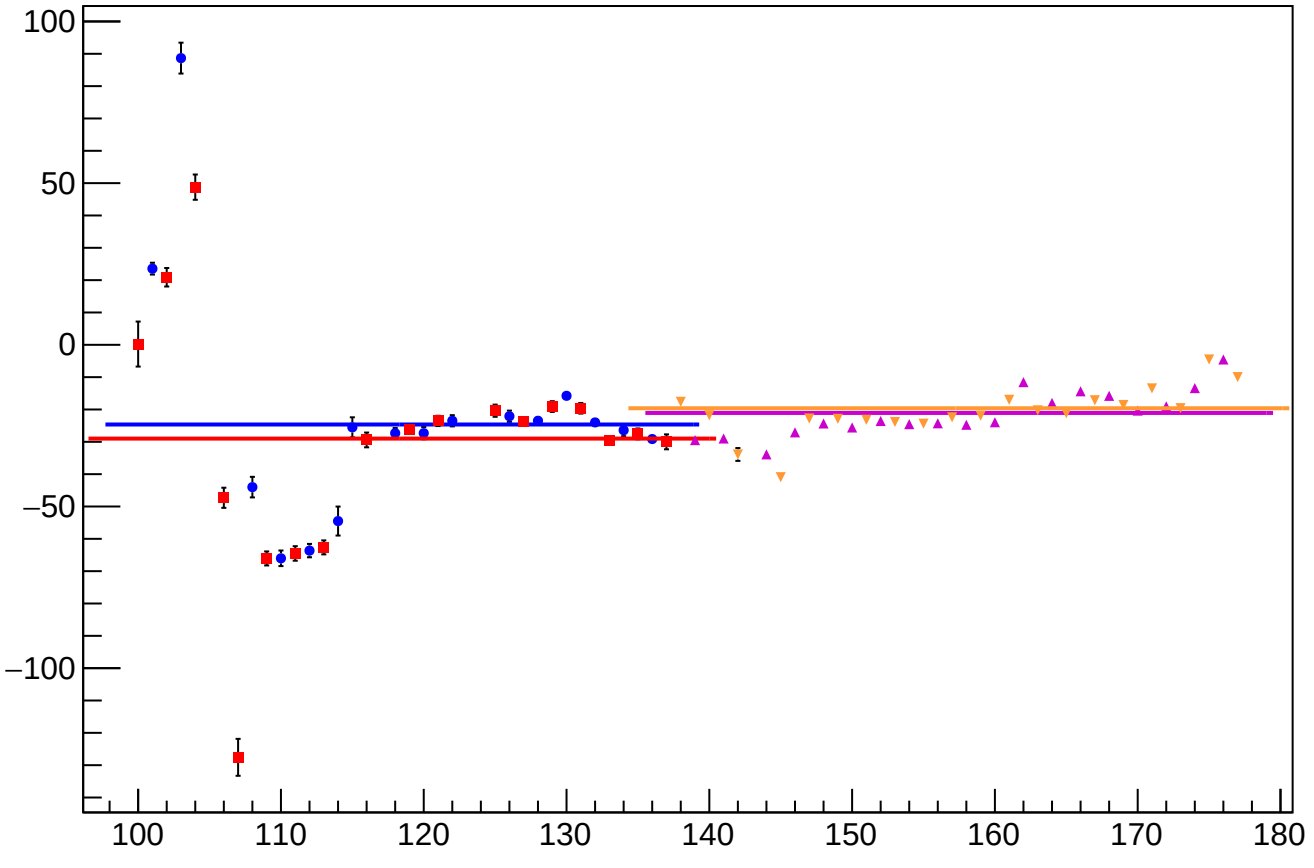
Left: -1.983+/-0.157 χ^2/NDF: 374.8/38

Right: -5.375+/-0.290 χ^2/NDF: 388.9/33

In: -2.929+/-0.196 χ^2/NDF:487.4/34

Out: -2.574+/-0.194 χ^2/NDF:380.6/37

All: -2.750+/-0.138 χ^2/NDF: 869.6/72



Right In: -24.641+/-0.455 χ^2/NDF: 2051.8/15

Left Out: -19.617+/-0.298 χ^2/NDF:676.4/19

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

Left In: -21.069+/-0.303 χ^2/NDF:605.0/18

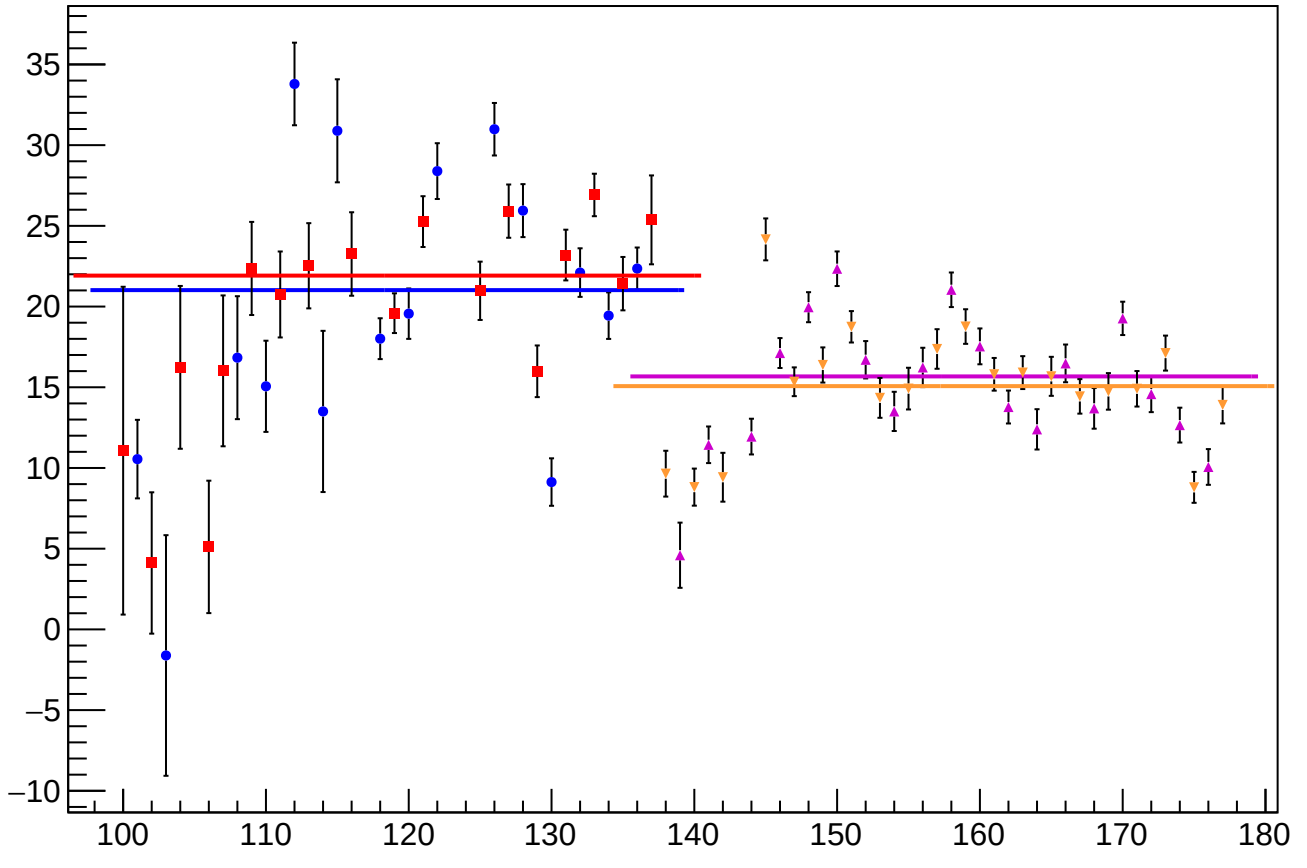
Left: -20.331+/-0.213 χ^2/NDF: 1293.1/38

Right: -26.727+/-0.329 χ^2/NDF: 4048.0/33

In: -22.168+/-0.252 χ^2/NDF:2699.5/34

Out: -22.269+/-0.253 χ^2/NDF:2908.6/37

All: -22.219+/-0.179 χ^2/NDF: 5608.2/72



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 15.071+/-0.250 χ^2/NDF:188.1/19

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

Left In: 15.673+/-0.257 χ^2/NDF:209.8/18

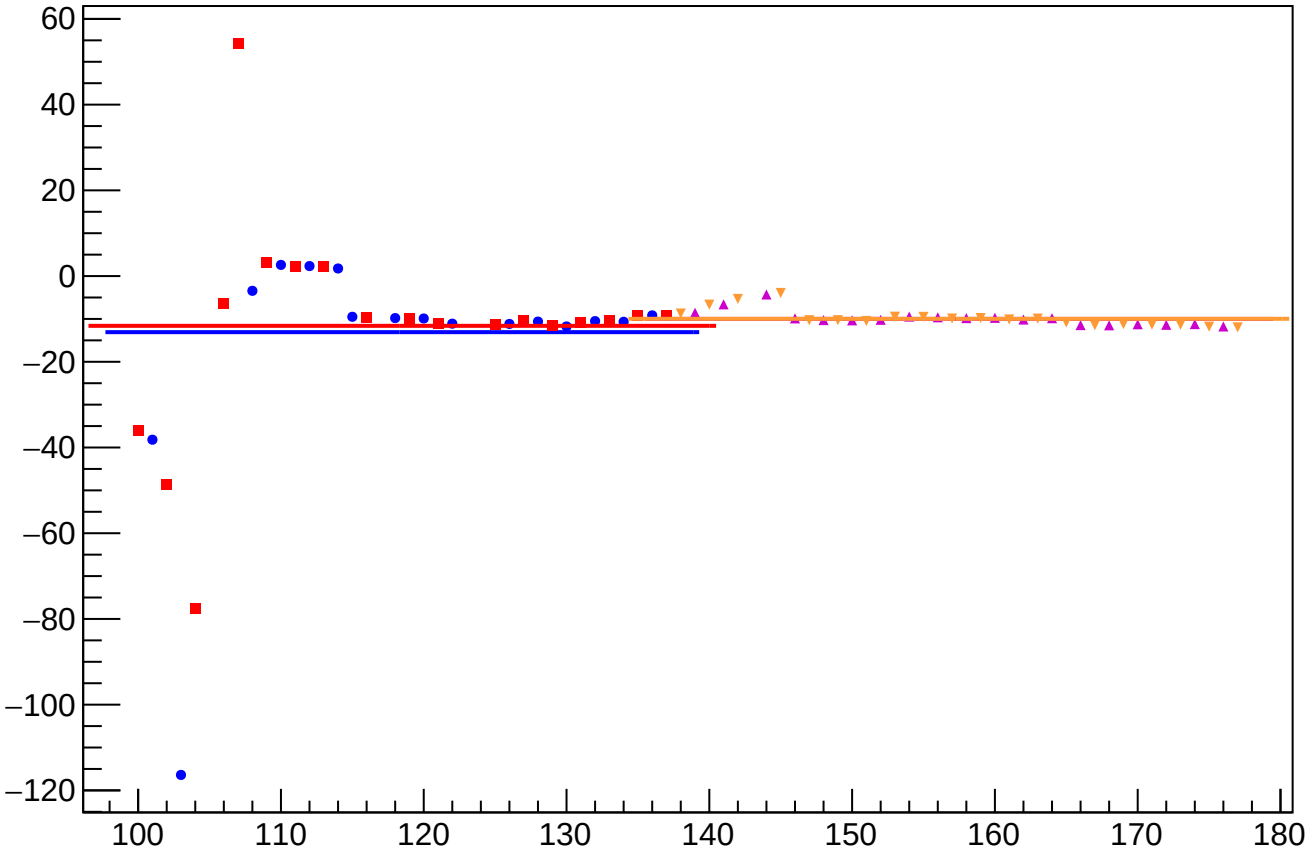
Left: 15.363+/-0.179 χ^2/NDF: 400.8/38

Right: 21.449+/-0.331 χ^2/NDF: 294.0/33

In: 16.949+/-0.224 χ^2/NDF:523.0/34

Out: 16.536+/-0.221 χ^2/NDF:431.7/37

All: 16.741+/-0.157 χ^2/NDF: 956.4/72



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -9.973+/-0.011 χ^2/NDF:27948.0/19

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

Left In: -9.996+/-0.011 χ^2/NDF:20329.3/18

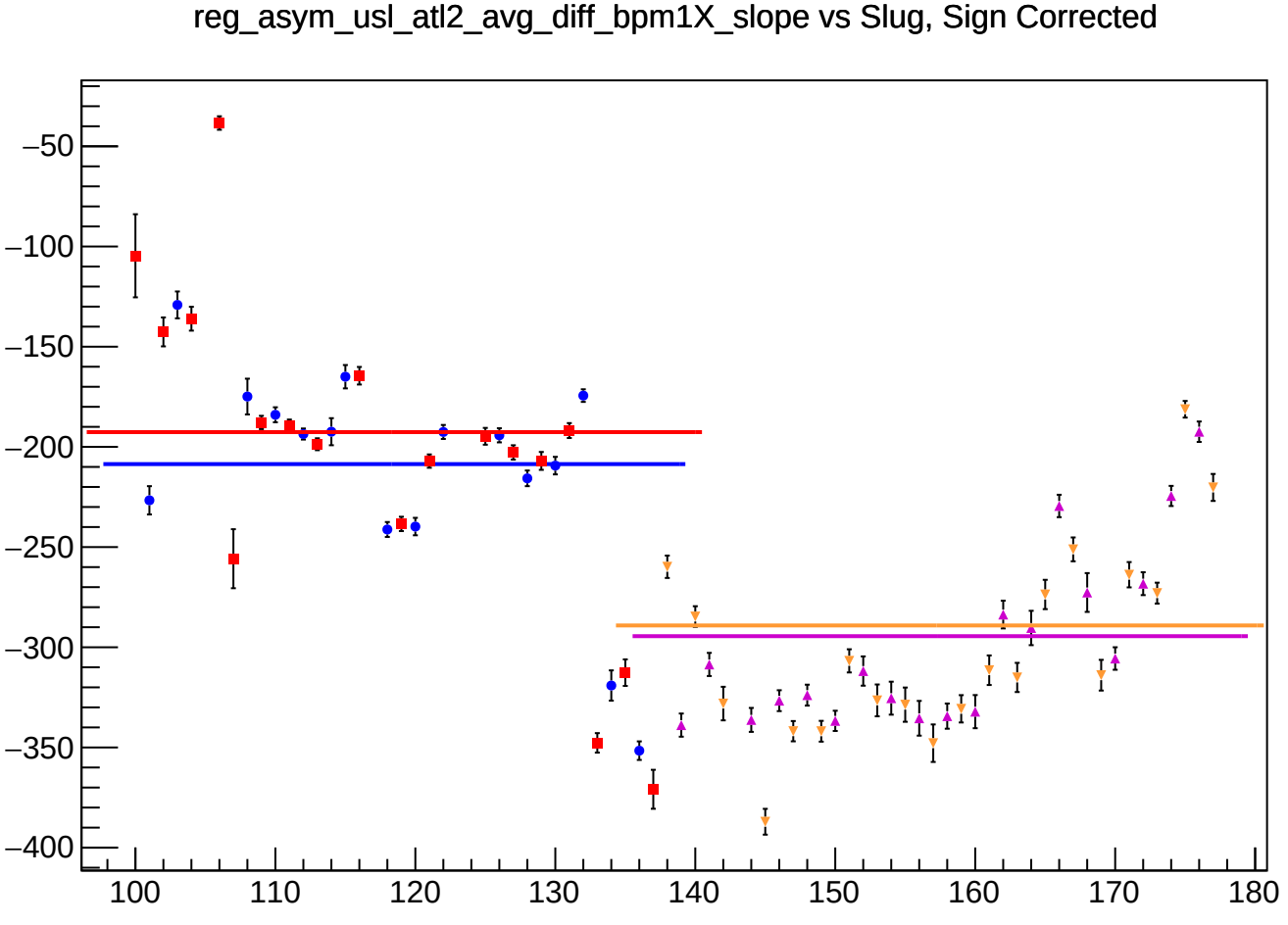
Left: -9.984+/-0.008 χ^2/NDF: 48279.4/38

Right: -12.409+/-0.021 χ^2/NDF: 660362.1/33

In: -10.417+/-0.010 χ^2/NDF:375489.9/34

Out: -10.164+/-0.011 χ^2/NDF:344611.4/37

All: -10.291+/-0.007 χ^2/NDF: 720388.5/72



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -289.113+/-1.387 χ^2/NDF:1507.4/19

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

Left In: -294.464+/-1.407 χ^2/NDF:1119.5/18

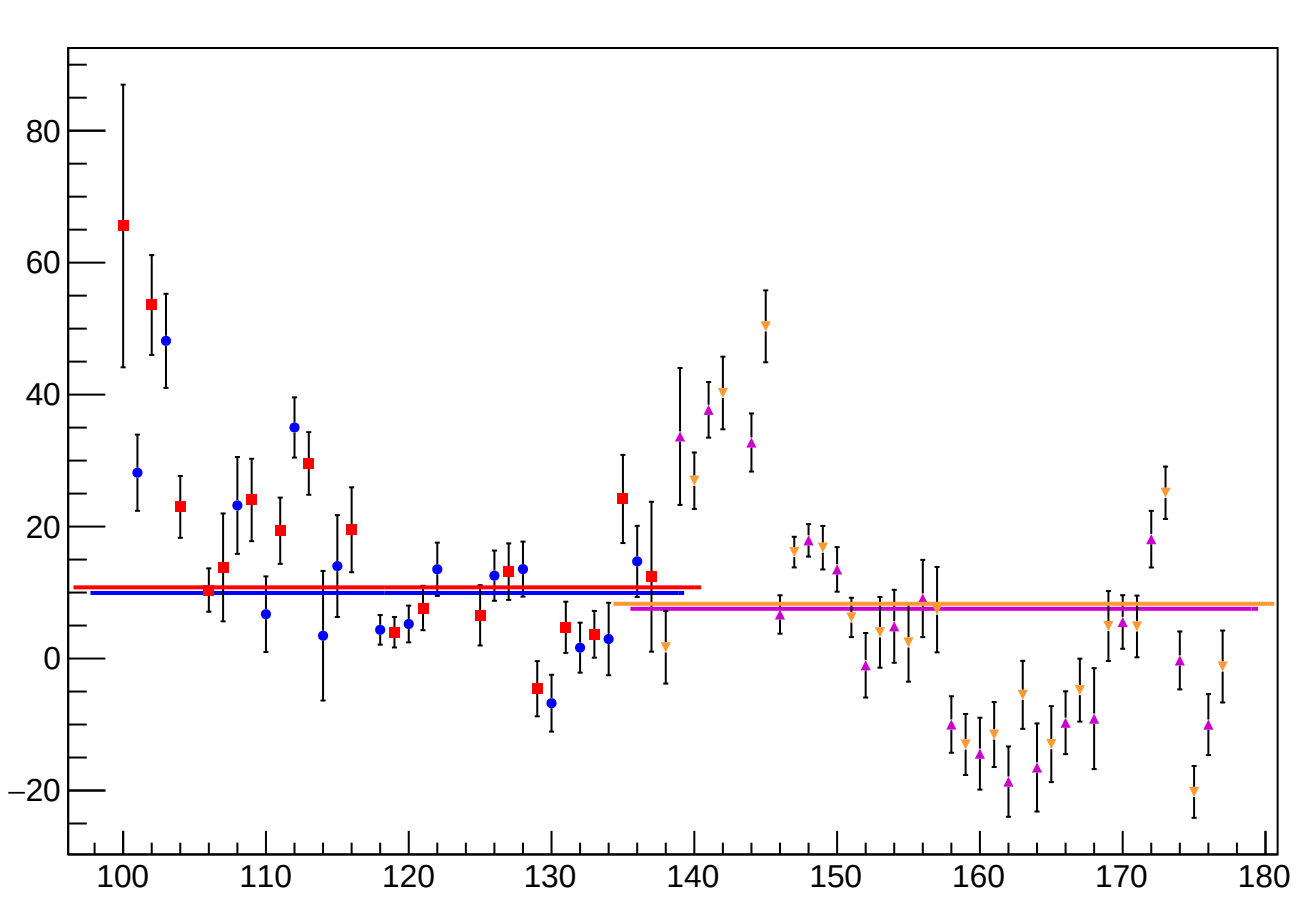
Left: -291.750+/-0.988 χ^2/NDF: 2634.2/38

Right: -200.079+/-0.729 χ^2/NDF: 6077.7/33

In: -239.930+/-0.850 χ^2/NDF:5237.2/34

Out: -225.580+/-0.810 χ^2/NDF:8902.6/37

All: -232.415+/-0.587 χ^2/NDF: 14289.1/72



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 8.301+/-0.965 χ^2/NDF:274.5/19

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

Left In: 7.539+/-0.993 χ^2/NDF:226.6/18

Left: 7.931+/-0.692 χ^2/NDF: 501.3/38

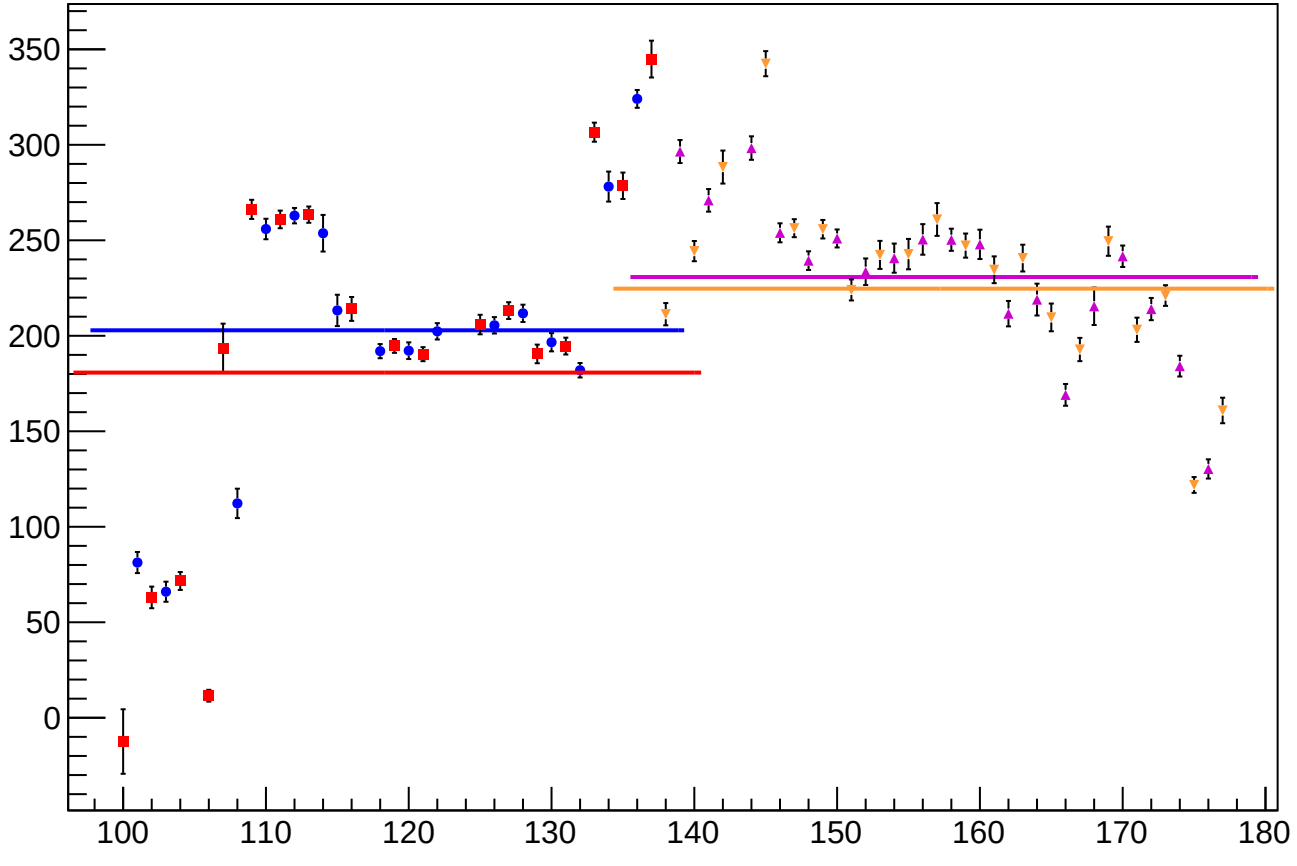
Right: 10.372+/-0.746 χ^2/NDF: 212.0/33

In: 8.655+/-0.727 χ^2/NDF:335.8/34

Out: 9.447+/-0.708 χ^2/NDF:382.6/37

All: 9.061+/-0.507 χ^2/NDF: 719.1/72

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 224.675+/-1.362 χ^2/NDF:1292.2/19

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

Left In: 230.758+/-1.383 χ^2/NDF:966.4/18

Left: 227.670+/-0.971 χ^2/NDF: 2268.4/38

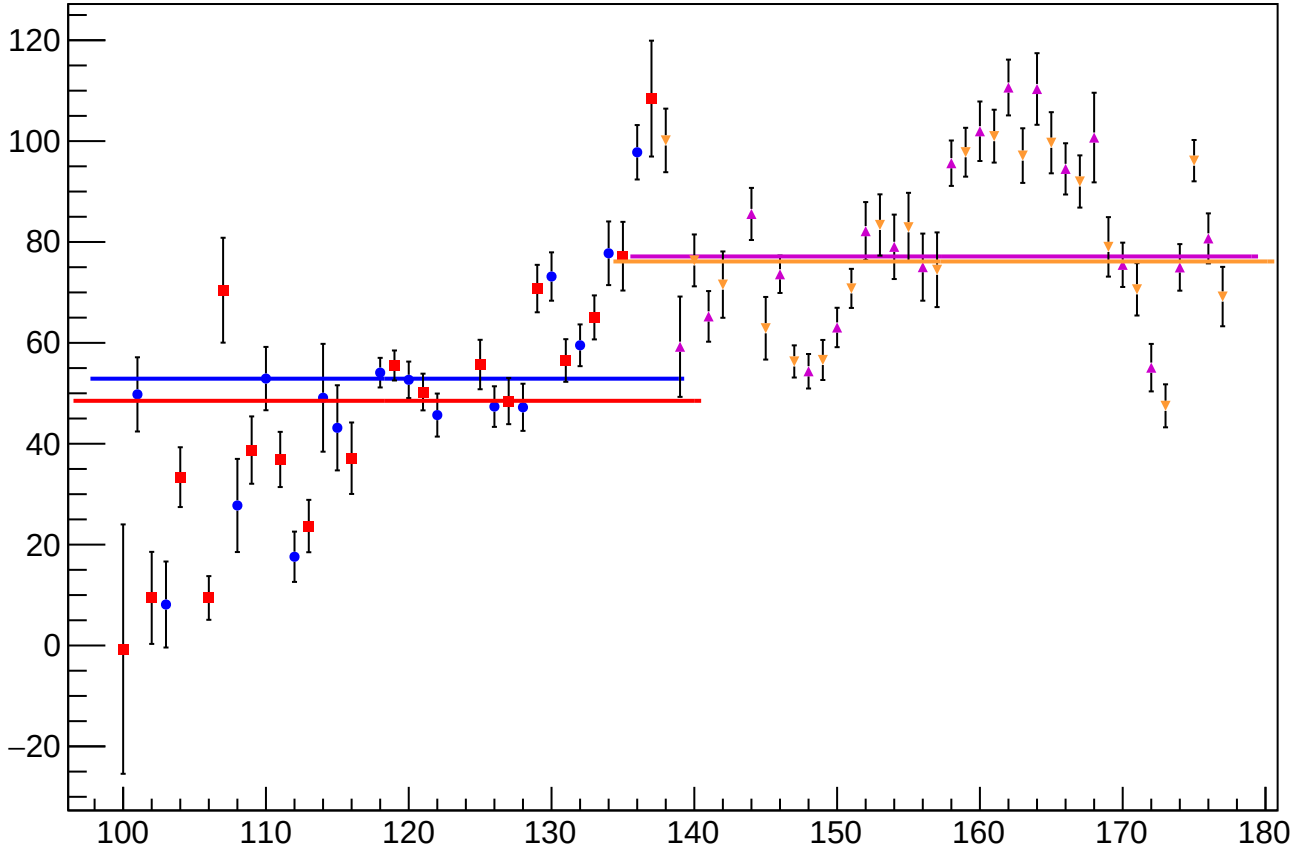
Right: 191.037+/-0.836 χ^2/NDF: 8986.6/33

In: 215.136+/-0.917 χ^2/NDF:3658.2/34

Out: 198.894+/-0.876 χ^2/NDF:8250.4/37

All: 206.640+/-0.634 χ^2/NDF: 12072.5/72

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 52.899+/-1.242 χ^2/NDF: 198.3/15

Left Out: 76.139+/-1.122 χ^2/NDF:240.3/19

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

Left In: 77.133+/-1.151 χ^2/NDF:205.3/18

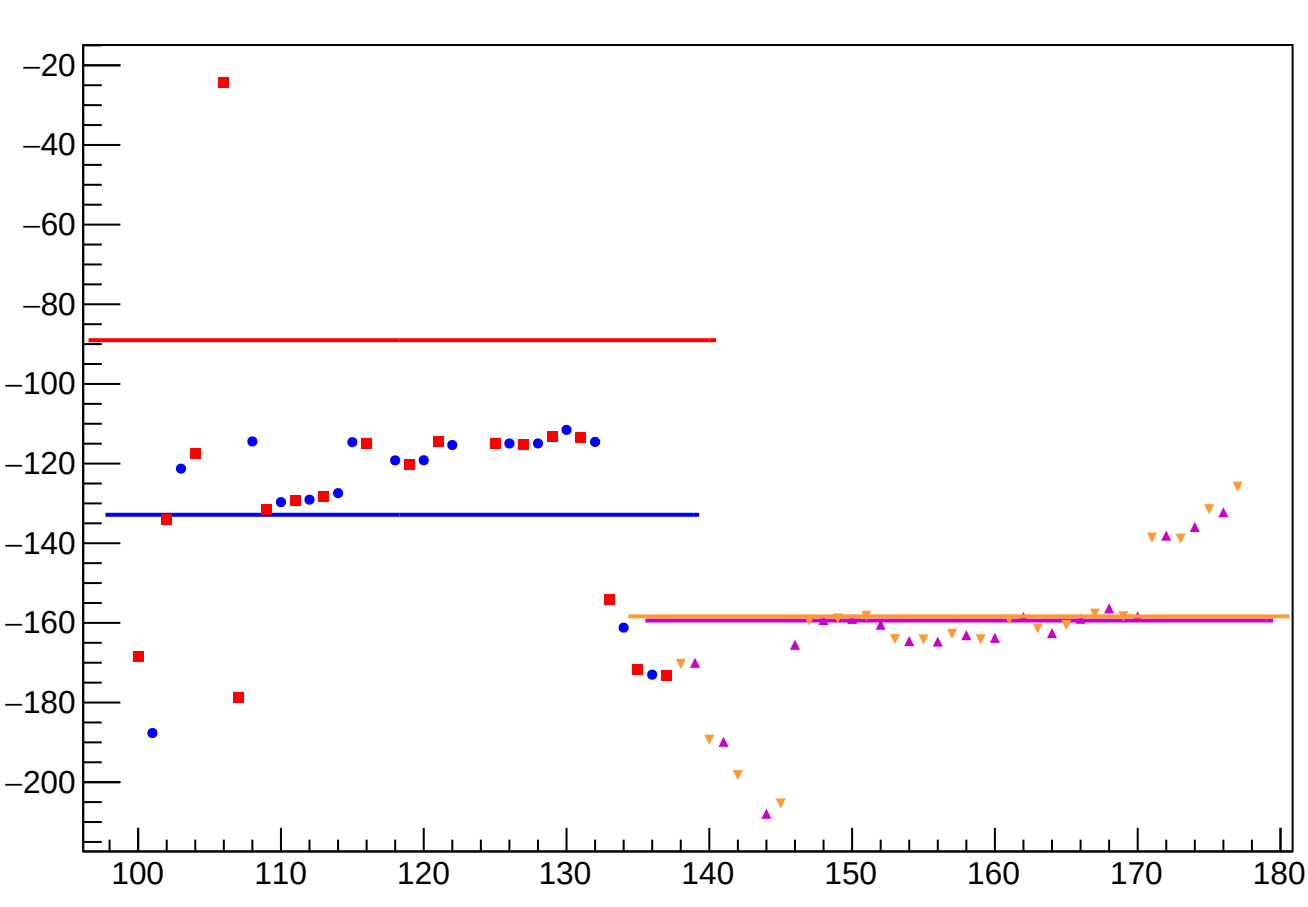
Left: 76.623+/-0.803 χ^2/NDF: 446.0/38

Right: 50.656+/-0.868 χ^2/NDF: 444.7/33

In: 65.932+/-0.844 χ^2/NDF:608.5/34

Out: 63.414+/-0.824 χ^2/NDF:759.6/37

All: 64.643+/-0.590 χ^2/NDF: 1372.7/72



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -158.356+/-0.053 χ^2/NDF:123460.2/19

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

Left In: -159.411+/-0.052 χ^2/NDF:94221.6/18

Left: -158.885+/-0.037 χ^2/NDF: 217884.2/38

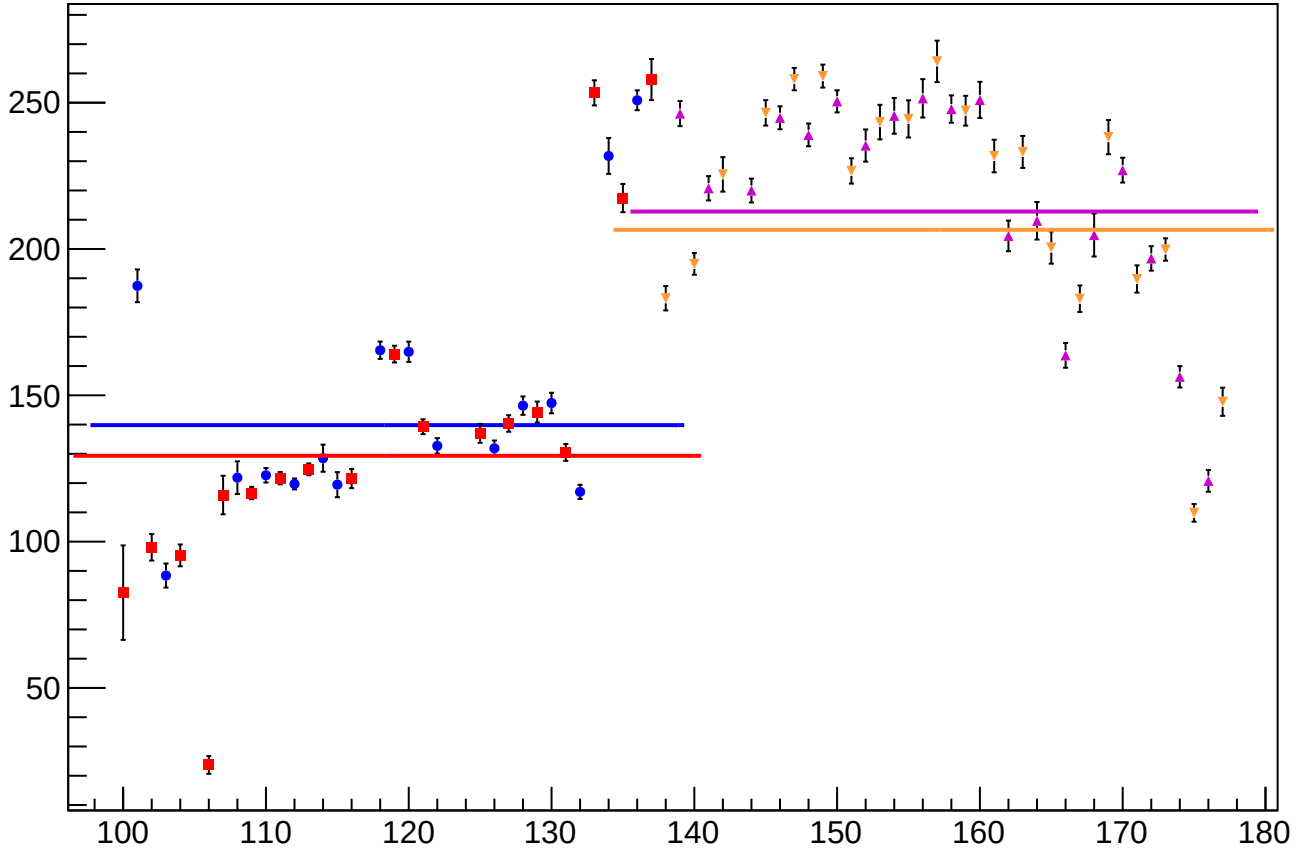
Right: -105.832+/-0.050 χ^2/NDF: 1000593.4/33

In: -151.640+/-0.044 χ^2/NDF:263086.9/34

Out: -130.545+/-0.041 χ^2/NDF:1550817.8/37

All: -140.254+/-0.030 χ^2/NDF: 1937917.6/72

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 206.567+/-1.022 χ^2/NDF:2027.5/19

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

Left In: 212.801+/-1.041 χ^2/NDF:1469.3/18

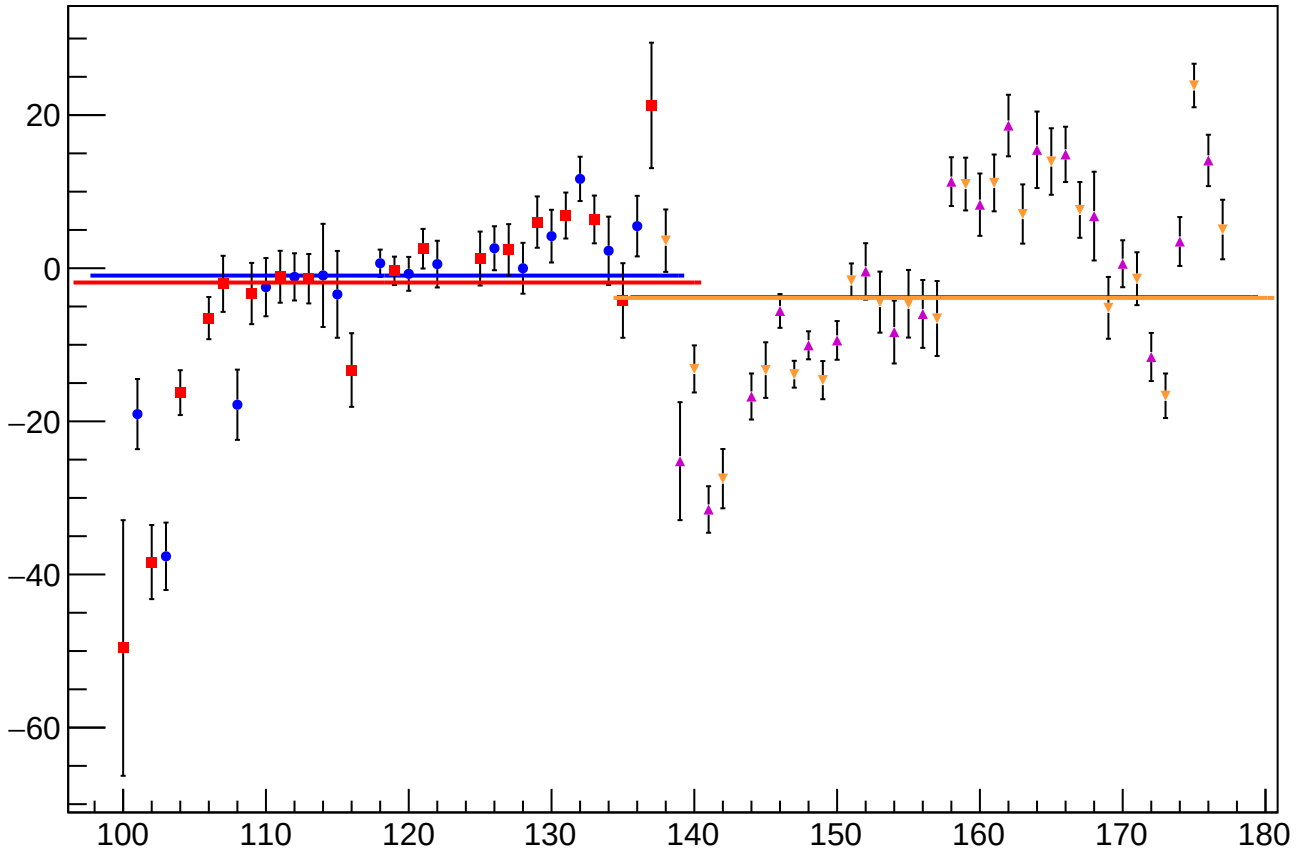
Left: 209.629+/-0.729 χ^2/NDF: 3515.1/38

Right: 134.231+/-0.536 χ^2/NDF: 5183.3/33

In: 166.265+/-0.626 χ^2/NDF:6571.2/34

Out: 155.622+/-0.596 χ^2/NDF:8915.0/37

All: 160.682+/-0.432 χ^2/NDF: 15637.6/72



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -3.877+/-0.715 χ^2/NDF:299.0/19

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

Left In: -3.767+/-0.737 χ^2/NDF:278.3/18

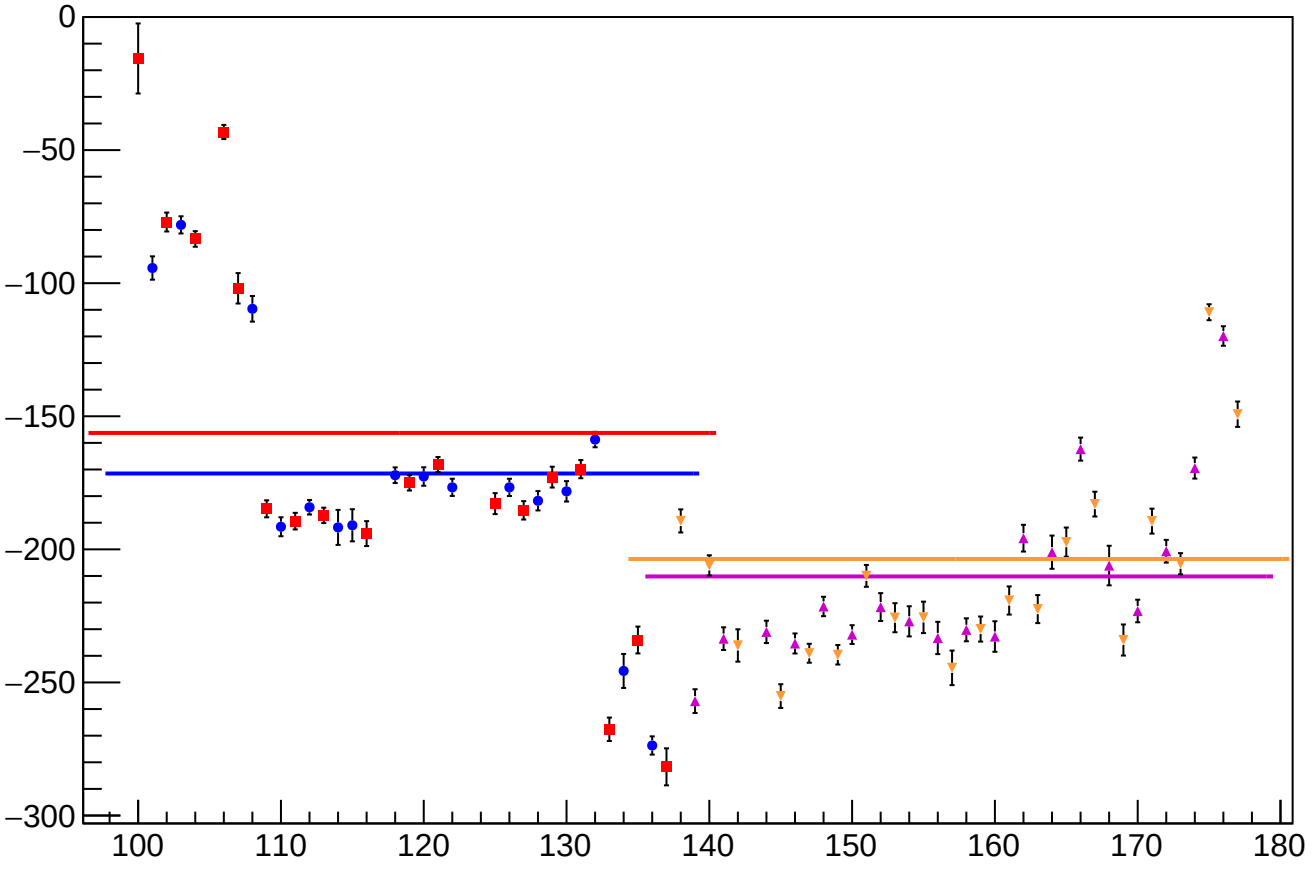
Left: -3.824+/-0.513 χ^2/NDF: 577.2/38

Right: -1.430+/-0.563 χ^2/NDF: 259.9/33

In: -2.495+/-0.544 χ^2/NDF:410.9/34

Out: -2.965+/-0.528 χ^2/NDF:435.7/37

All: -2.737+/-0.379 χ^2/NDF: 847.0/72



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -203.610+/-1.006 χ^2/NDF:1638.0/19

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

Left In: -210.176+/-1.024 χ^2/NDF:1181.5/18

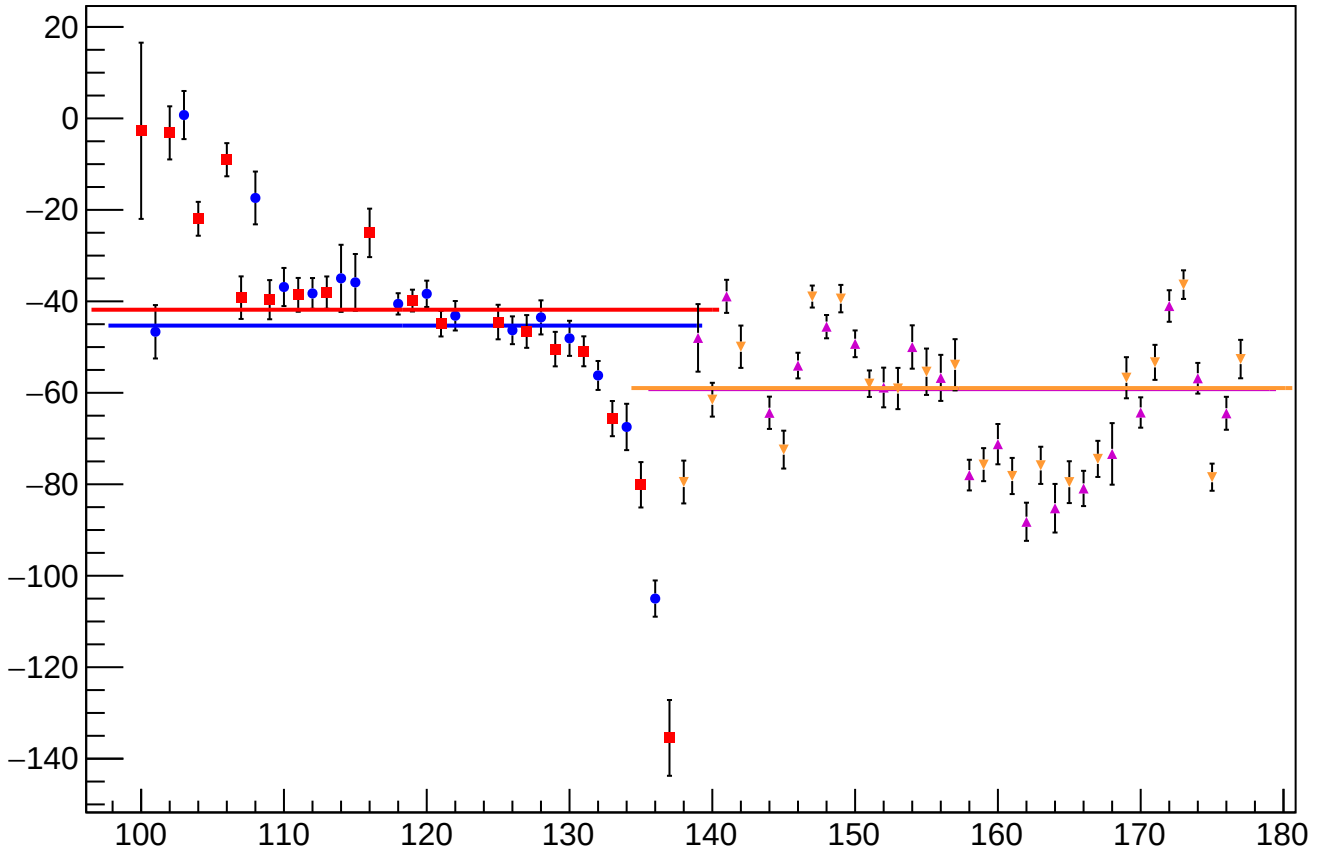
Left: -206.833+/-0.718 χ^2/NDF: 2840.5/38

Right: -163.367+/-0.619 χ^2/NDF: 7498.1/33

In: -188.494+/-0.679 χ^2/NDF:4423.2/34

Out: -175.914+/-0.648 χ^2/NDF:7838.6/37

All: -181.911+/-0.469 χ^2/NDF: 12441.4/72



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -58.963+/-0.830 χ^2/NDF:345.5/19

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

Left In: -59.197+/-0.853 χ^2/NDF:263.7/18

Left: -59.077+/-0.595 χ^2/NDF: 609.2/38

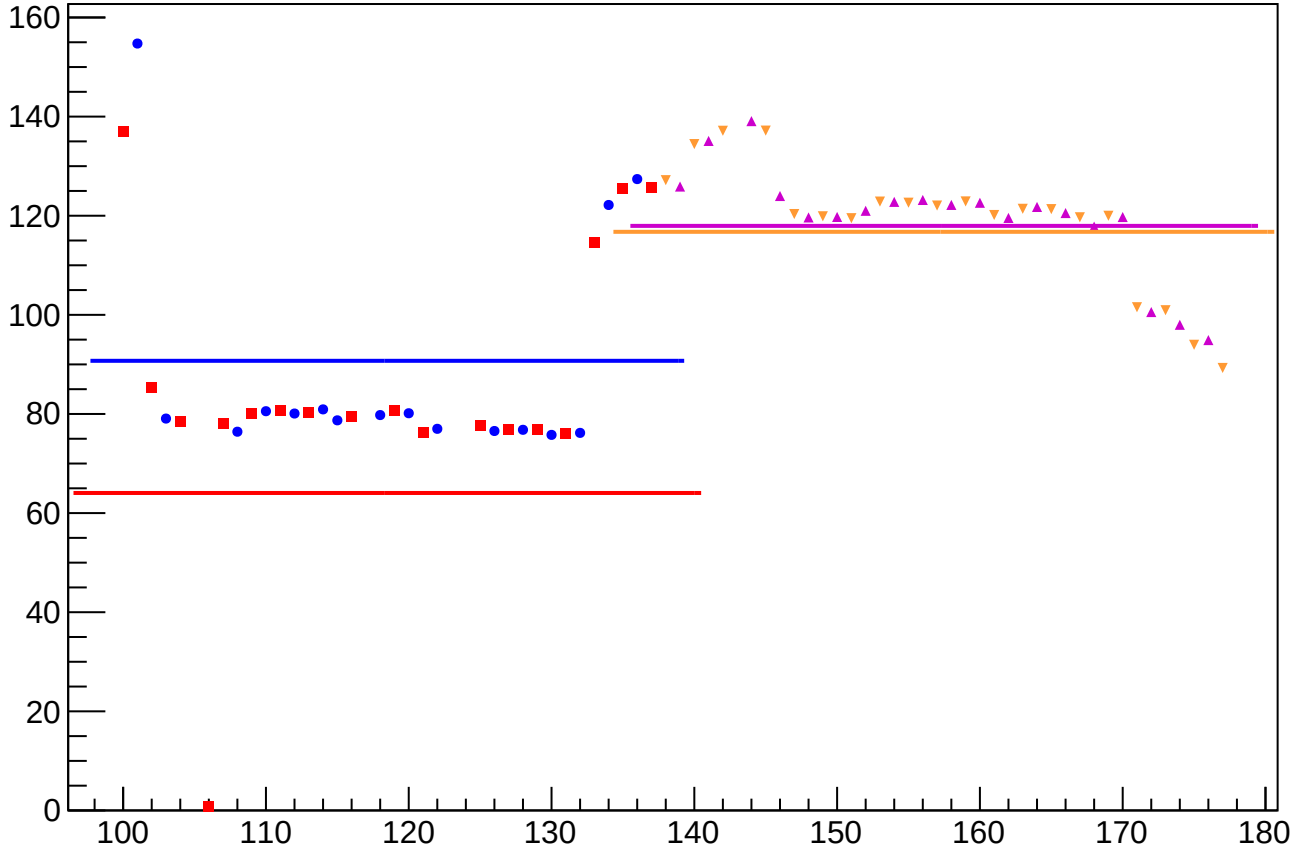
Right: -43.515+/-0.653 χ^2/NDF: 803.4/33

In: -52.904+/-0.631 χ^2/NDF:765.9/34

Out: -51.173+/-0.613 χ^2/NDF:953.2/37

All: -52.014+/-0.440 χ^2/NDF: 1723.0/72

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: 116.753+/-0.039 χ^2/NDF:115247.7/19

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

Left In: 117.952+/-0.039 χ^2/NDF:86796.3/18

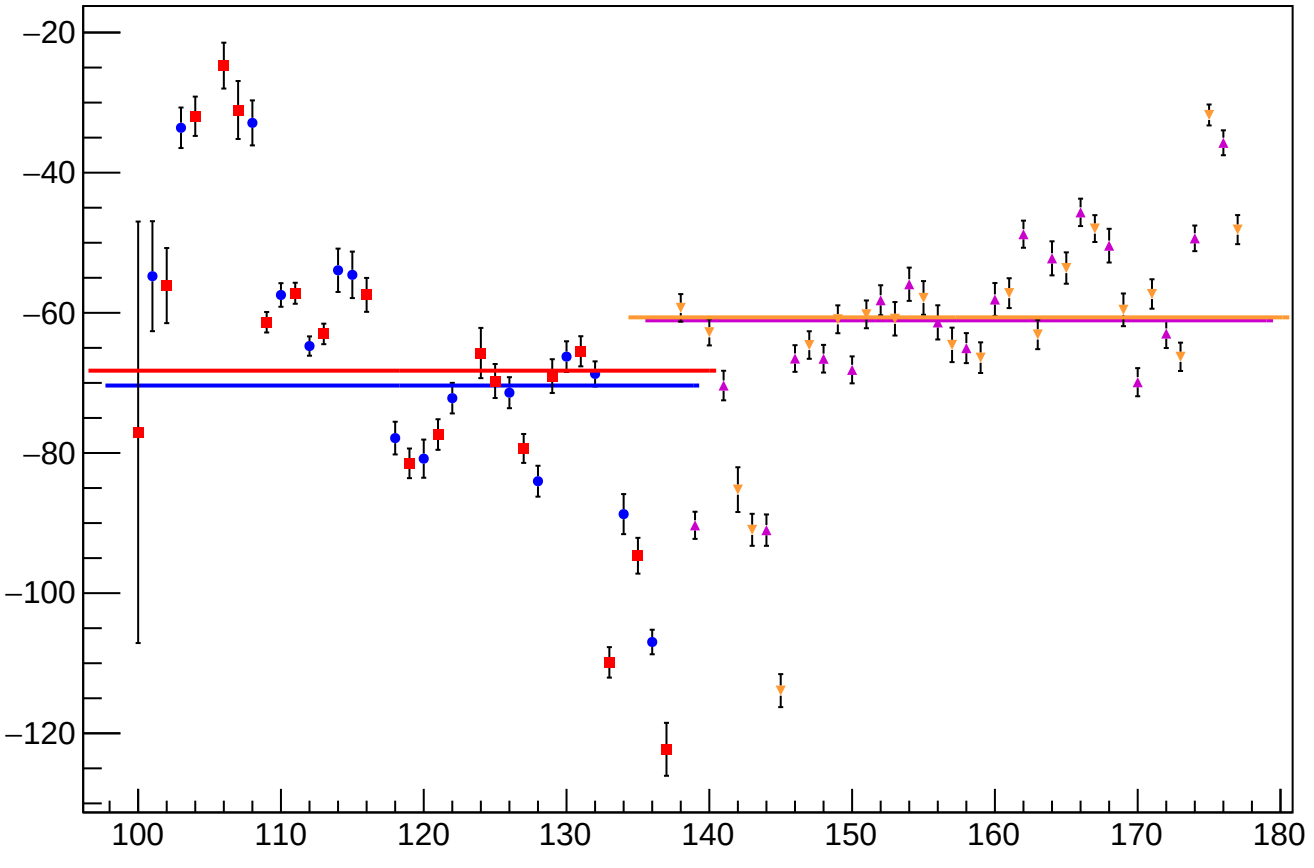
Left: 117.353+/-0.027 χ^2/NDF: 202521.4/38

Right: 75.136+/-0.038 χ^2/NDF: 943639.1/33

In: 109.630+/-0.032 χ^2/NDF:398429.2/34

Out: 96.573+/-0.031 χ^2/NDF:1481220.8/37

All: 102.722+/-0.022 χ^2/NDF: 1965917.2/72



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -60.647+/-0.458 χ^2/NDF:1241.0/20

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

Left In: -61.071+/-0.475 χ^2/NDF:867.2/18

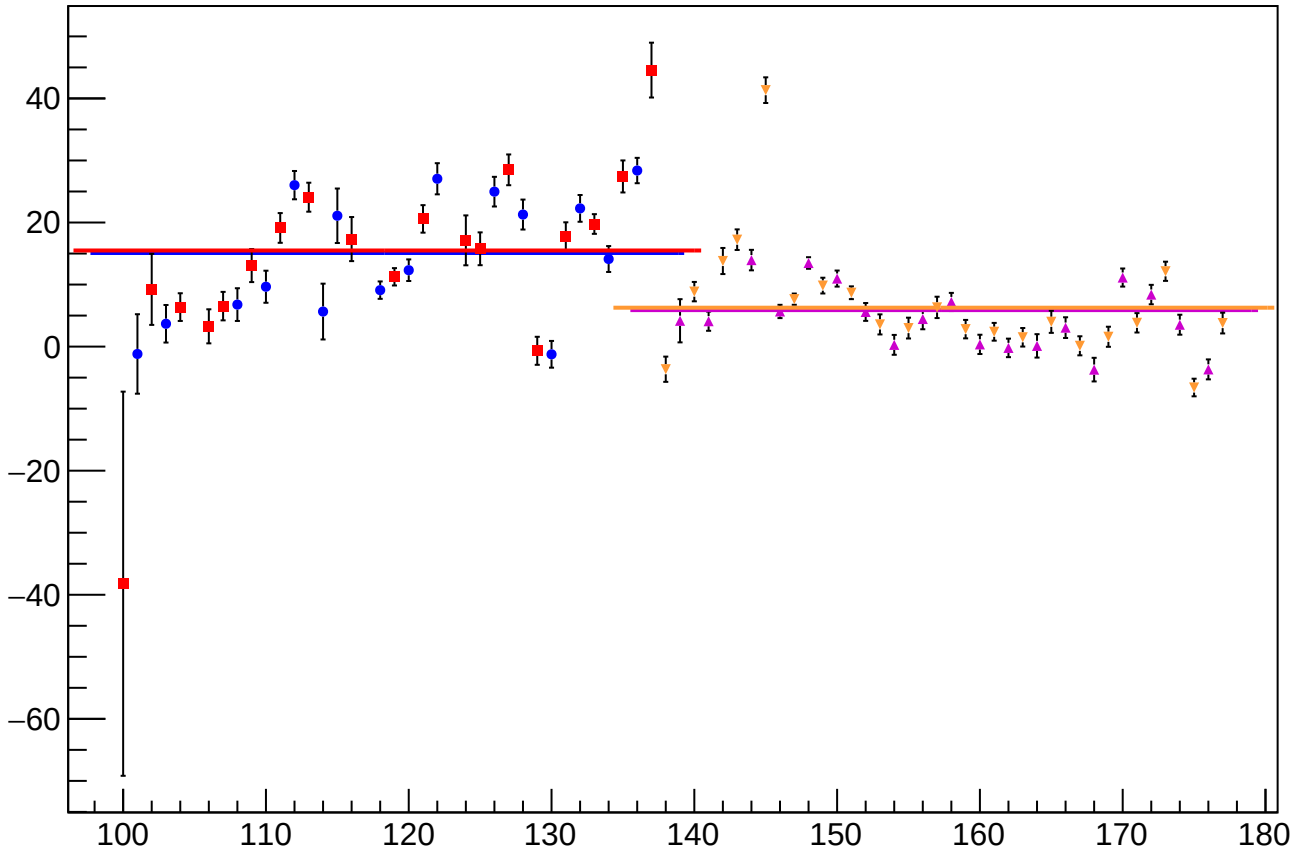
Left: -60.851+/-0.330 χ^2/NDF: 2108.5/39

Right: -69.252+/-0.383 χ^2/NDF: 2288.5/34

In: -64.985+/-0.362 χ^2/NDF:2003.3/34

Out: -63.925+/-0.346 χ^2/NDF:2665.5/39

All: -64.431+/-0.250 χ^2/NDF: 4673.3/74



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 6.270+/-0.324 χ^2/NDF:542.5/20

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

Left In: 5.883+/-0.341 χ^2/NDF:240.8/18

Left: 6.086+/-0.235 χ^2/NDF: 783.9/39

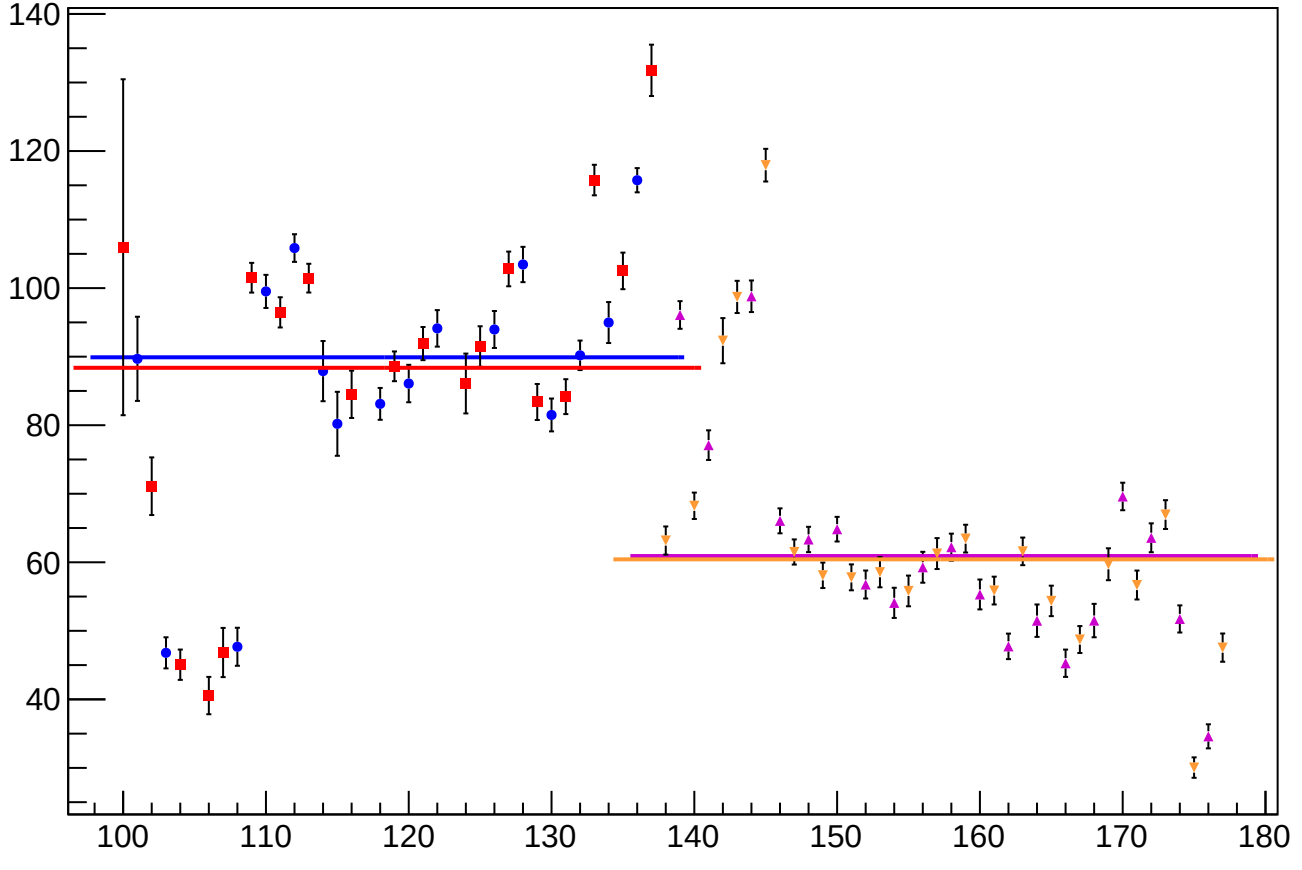
Right: 15.300+/-0.402 χ^2/NDF: 482.0/34

In: 8.238+/-0.294 χ^2/NDF:670.3/34

Out: 8.595+/-0.280 χ^2/NDF:985.8/39

All: 8.425+/-0.203 χ^2/NDF: 1656.9/74

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: 60.429+/-0.450 χ^2/NDF:1486.8/20

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

Left In: 60.911+/-0.466 χ^2/NDF:1075.1/18

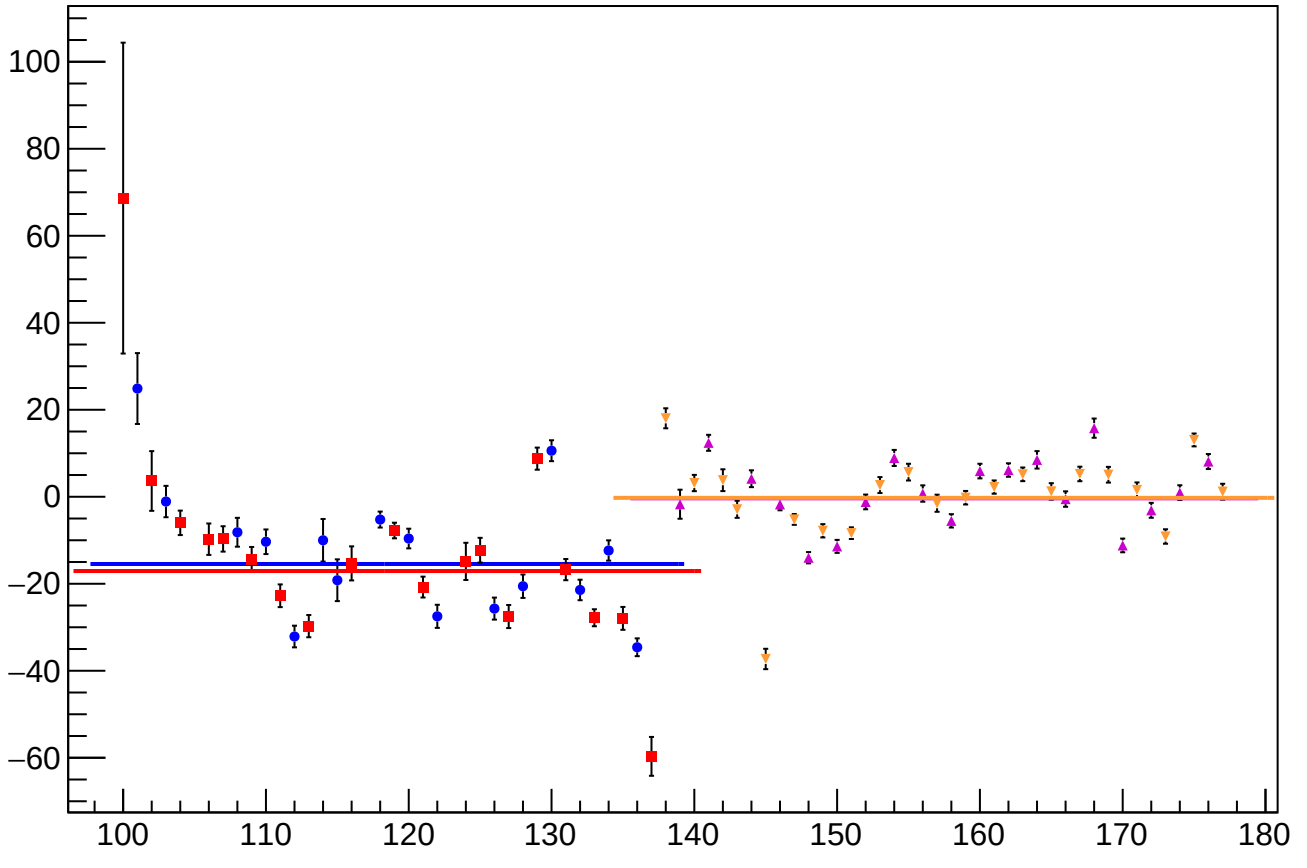
Left: 60.661+/-0.324 χ^2/NDF: 2562.4/39

Right: 89.113+/-0.445 χ^2/NDF: 2239.5/34

In: 70.949+/-0.377 χ^2/NDF:3362.0/34

Out: 70.122+/-0.364 χ^2/NDF:4113.7/39

All: 70.520+/-0.262 χ^2/NDF: 7478.2/74



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: -0.251+/-0.373 χ^2/NDF:556.6/20

Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: -0.360+/-0.391 χ^2/NDF:436.1/18

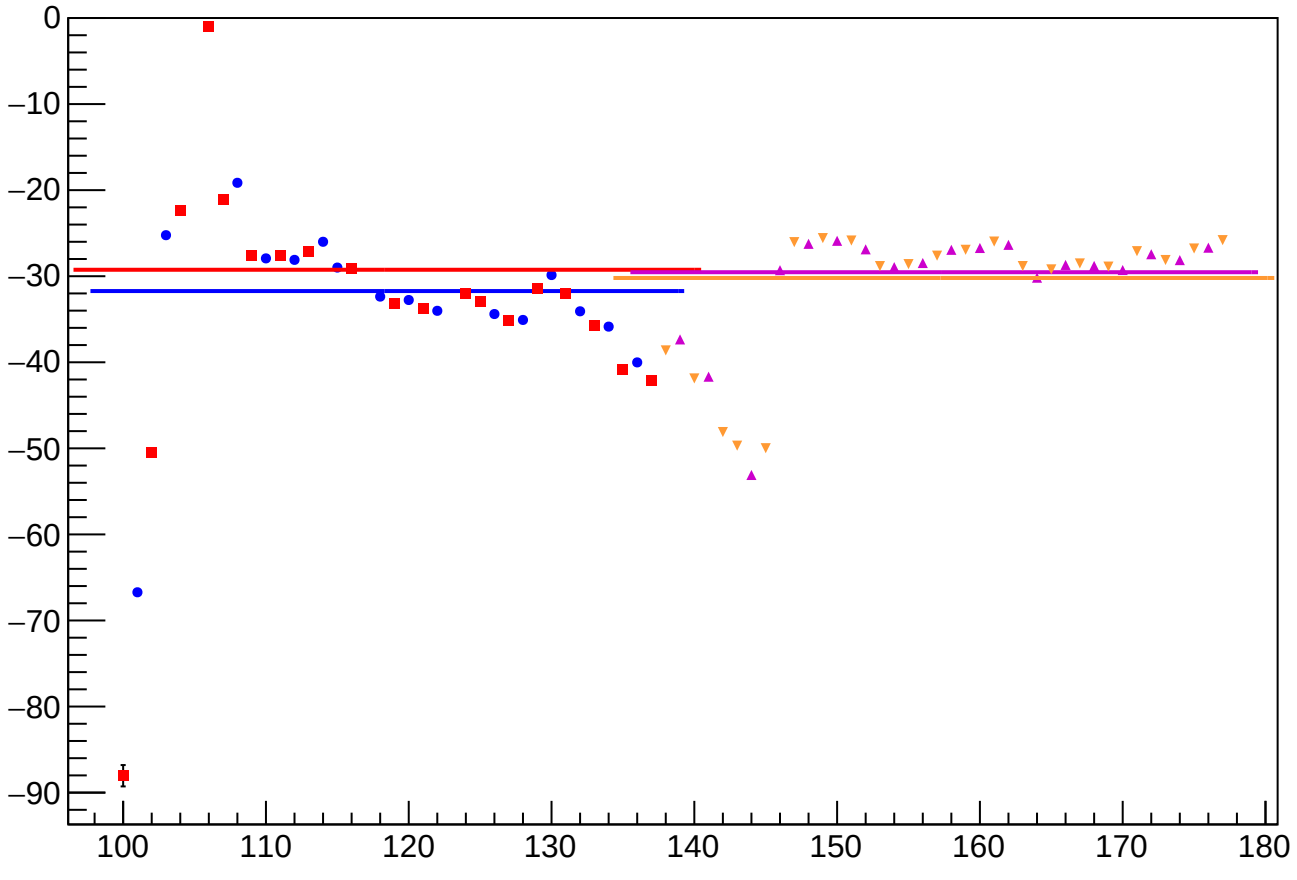
Left: -0.303+/-0.270 χ^2/NDF: 992.8/39

Right: -16.287+/-0.463 χ^2/NDF: 750.5/34

In: -4.230+/-0.337 χ^2/NDF:1205.2/34

Out: -4.475+/-0.323 χ^2/NDF:1428.7/39

All: -4.358+/-0.233 χ^2/NDF: 2634.2/74



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -30.205+/-0.017 χ^2/NDF:158353.8/20

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

Left In: -29.535+/-0.017 χ^2/NDF:96748.1/18

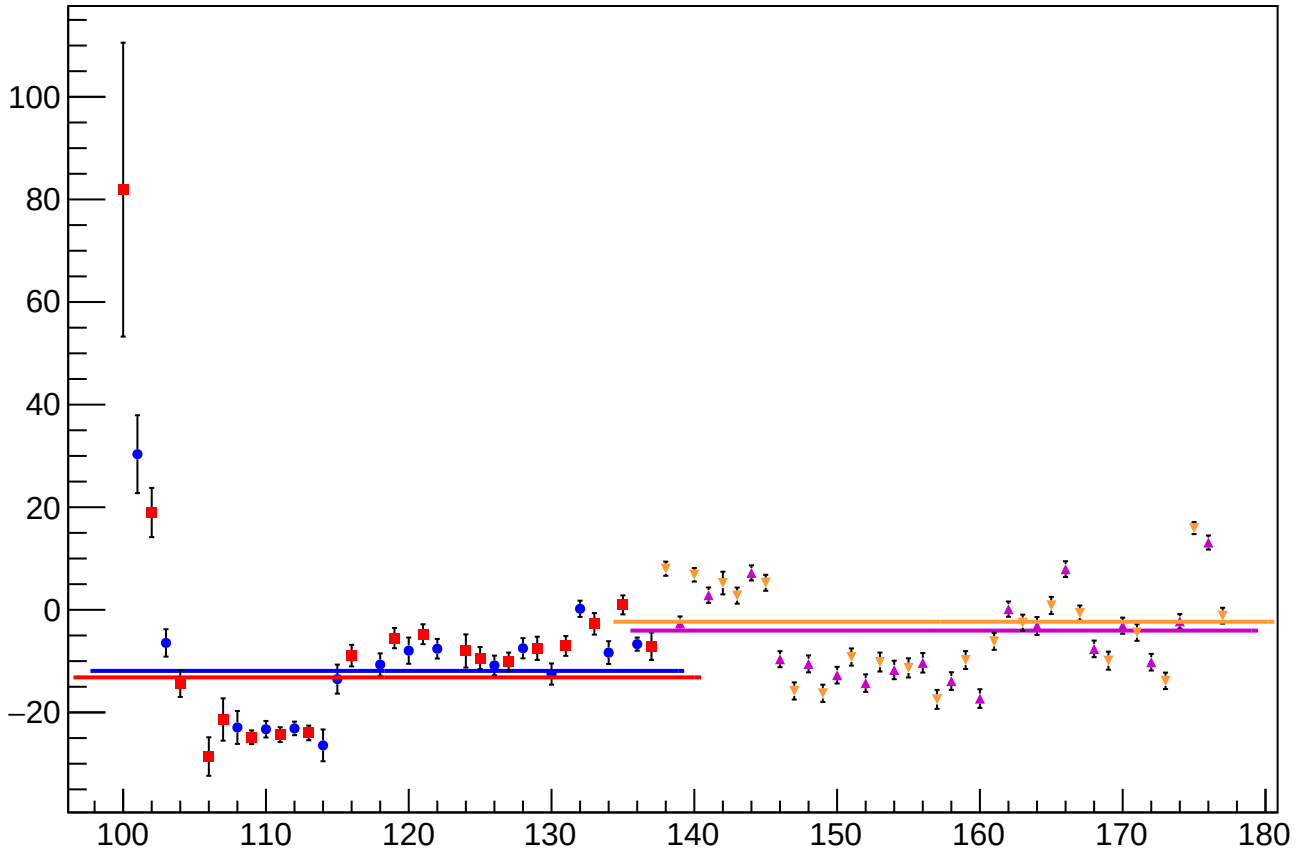
Left: -29.877+/-0.012 χ^2/NDF: 255858.6/39

Right: -30.485+/-0.027 χ^2/NDF: 136941.1/34

In: -29.906+/-0.016 χ^2/NDF:139069.5/34

Out: -30.048+/-0.016 χ^2/NDF:254105.5/39

All: -29.978+/-0.011 χ^2/NDF: 393216.0/74



Right In: -11.906+/-0.497 χ^2/NDF: 282.1/15

Left Out: -2.326+/-0.349 χ^2/NDF:750.9/20

Right Out: -13.169+/-0.480 χ^2/NDF: 421.5/18

Left In: -4.050+/-0.364 χ^2/NDF:532.4/18

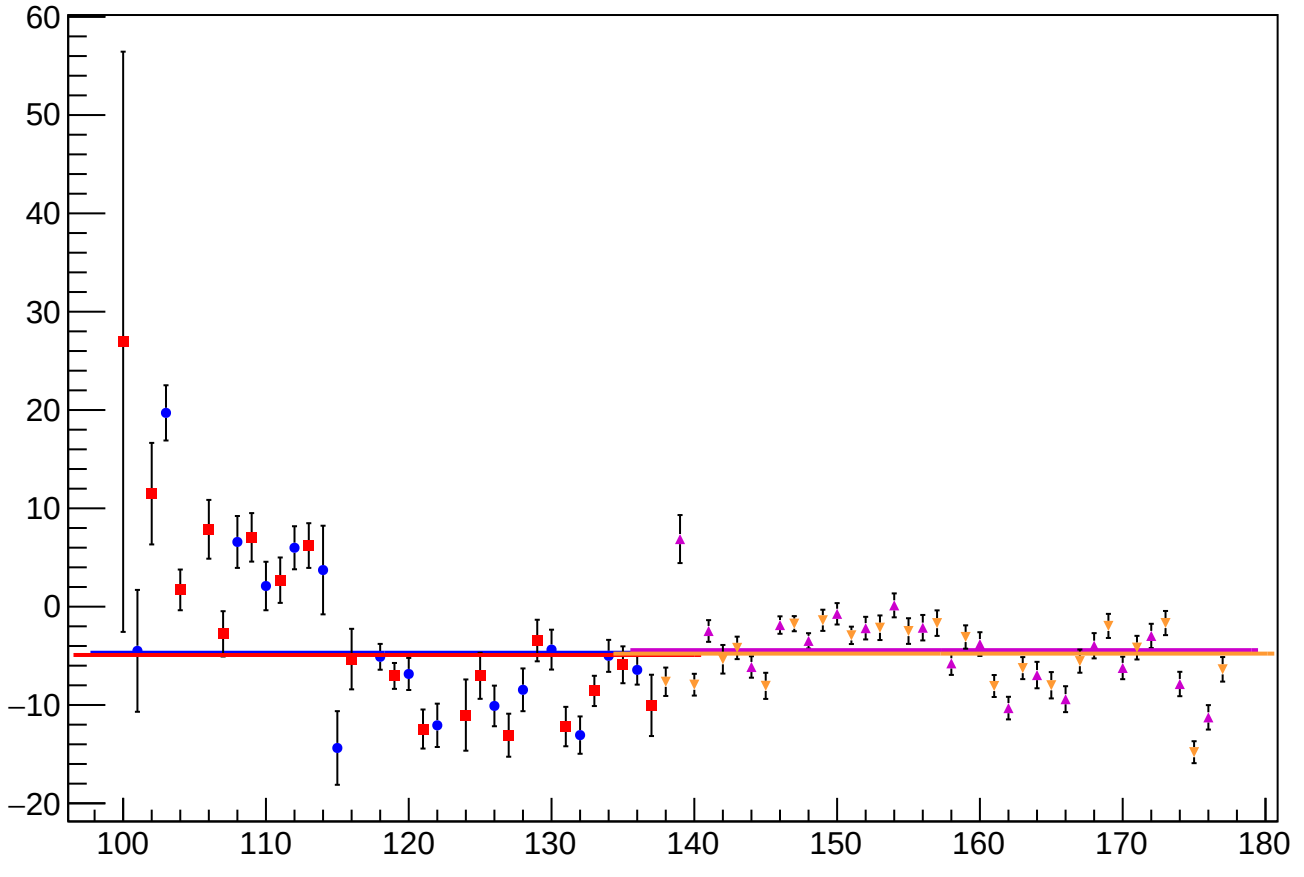
Left: -3.153+/-0.252 χ^2/NDF: 1295.0/39

Right: -12.559+/-0.345 χ^2/NDF: 706.9/34

In: -6.791+/-0.293 χ^2/NDF:977.4/34

Out: -6.075+/-0.282 χ^2/NDF:1506.1/39

All: -6.419+/-0.203 χ^2/NDF: 2486.6/74



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -4.775+/-0.252 χ^2/NDF:174.7/20

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

Left In: -4.423+/-0.265 χ^2/NDF:156.8/18

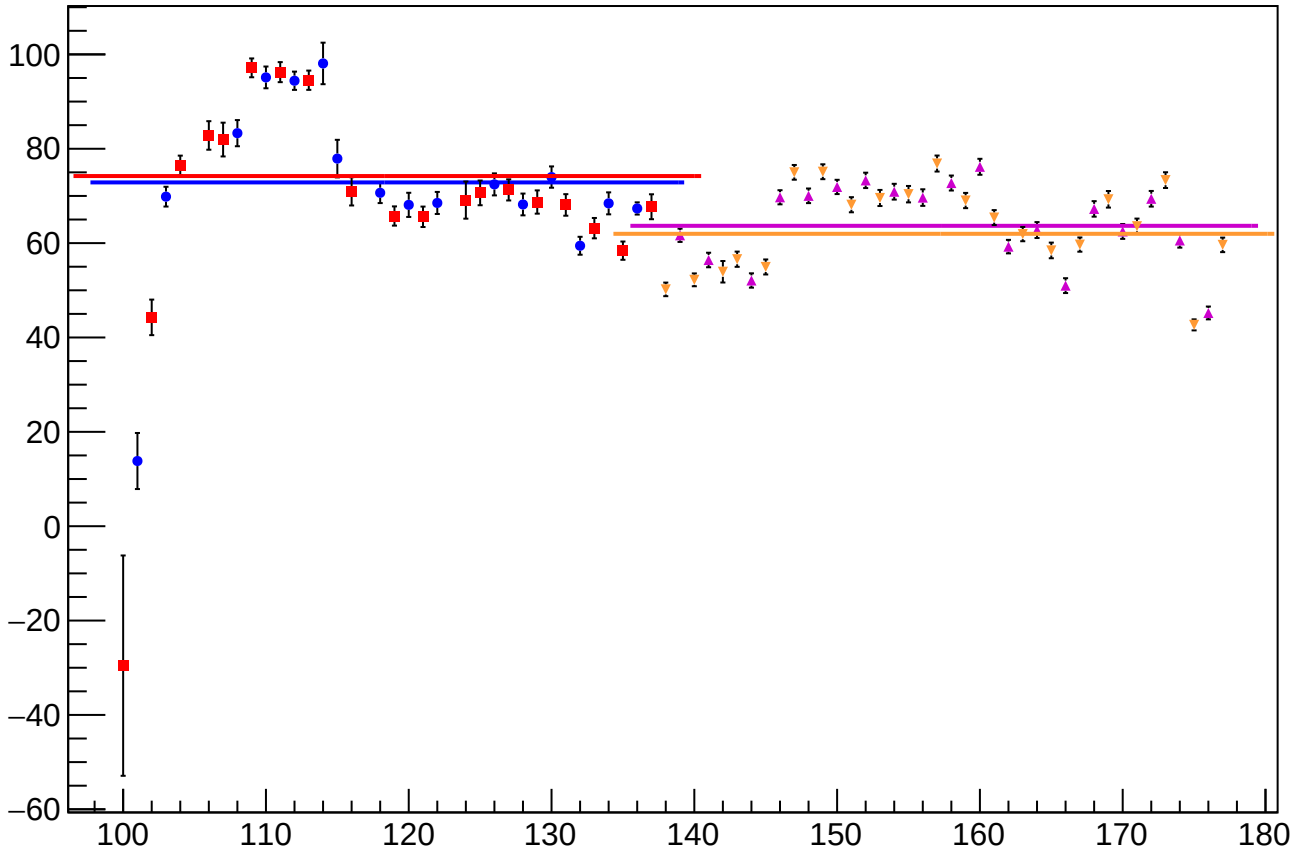
Left: -4.608+/-0.182 χ^2/NDF: 332.4/39

Right: -4.801+/-0.364 χ^2/NDF: 335.0/34

In: -4.478+/-0.236 χ^2/NDF:336.0/34

Out: -4.802+/-0.226 χ^2/NDF:330.6/39

All: -4.647+/-0.163 χ^2/NDF: 667.6/74



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 61.974+/-0.344 χ^2/NDF:804.7/20

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

Left In: 63.668+/-0.358 χ^2/NDF:578.1/18

Left: 62.787+/-0.248 χ^2/NDF: 1394.4/39

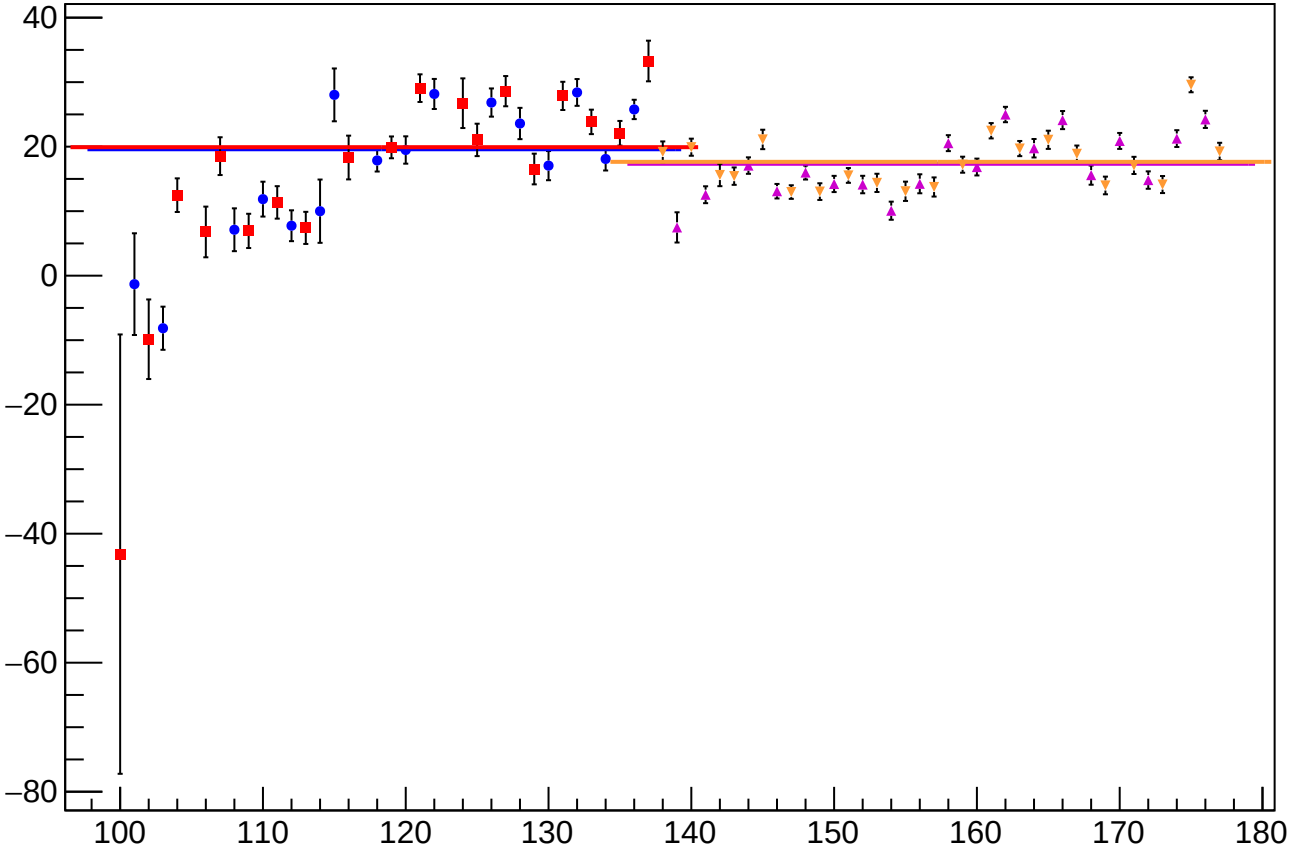
Right: 73.545+/-0.399 χ^2/NDF: 1039.8/34

In: 66.299+/-0.302 χ^2/NDF:1217.7/34

Out: 65.307+/-0.293 χ^2/NDF:1735.9/39

All: 65.788+/-0.211 χ^2/NDF: 2959.2/74

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: 17.647+/-0.288 χ^2/NDF:218.5/20

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

Left In: 17.344+/-0.303 χ^2/NDF:212.9/18

Left: 17.503+/-0.209 χ^2/NDF: 431.9/39

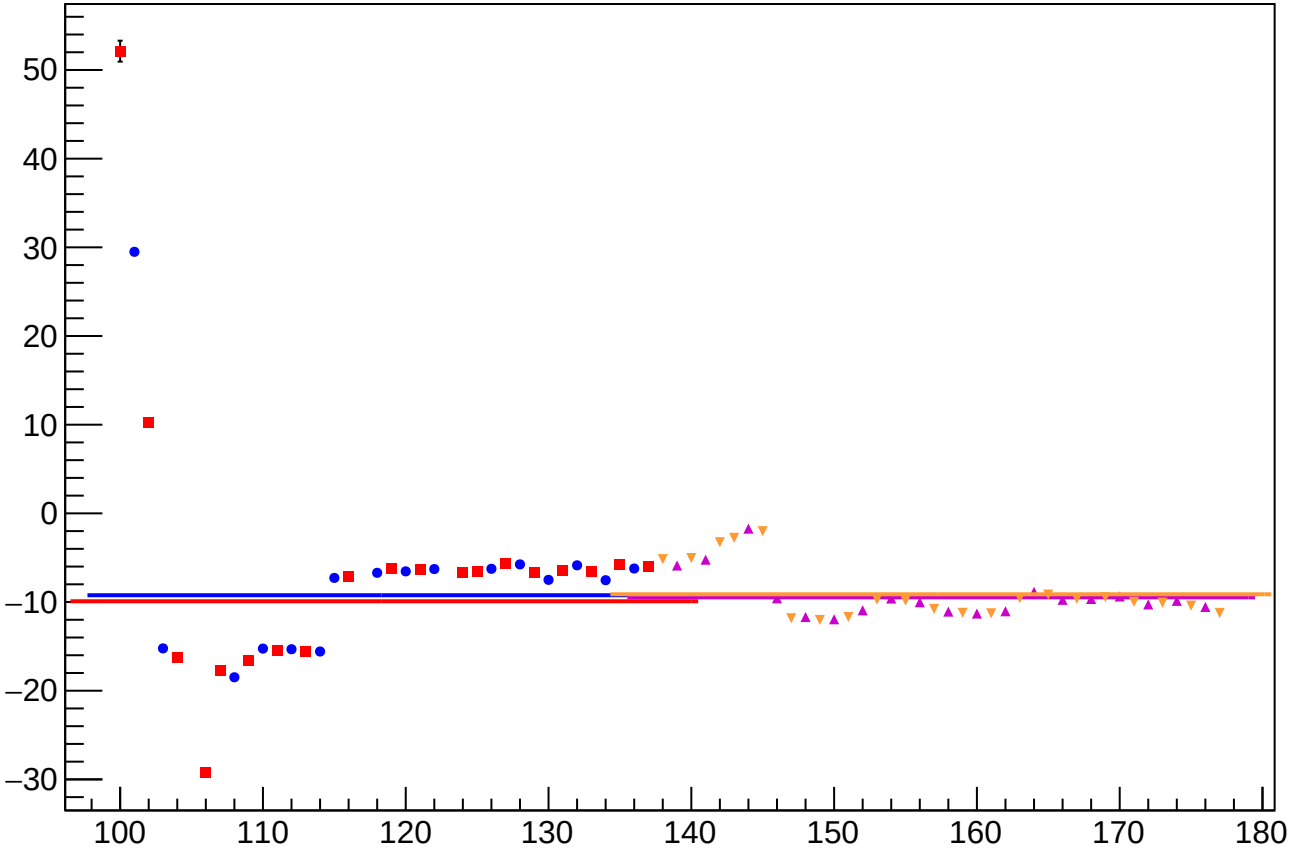
Right: 19.759+/-0.414 χ^2/NDF: 377.5/34

In: 17.820+/-0.269 χ^2/NDF:420.6/34

Out: 18.090+/-0.258 χ^2/NDF:411.9/39

All: 17.960+/-0.186 χ^2/NDF: 833.0/74

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: -9.125+/-0.013 χ^2/NDF:47130.7/20

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

Left In: -9.470+/-0.013 χ^2/NDF:29732.6/18

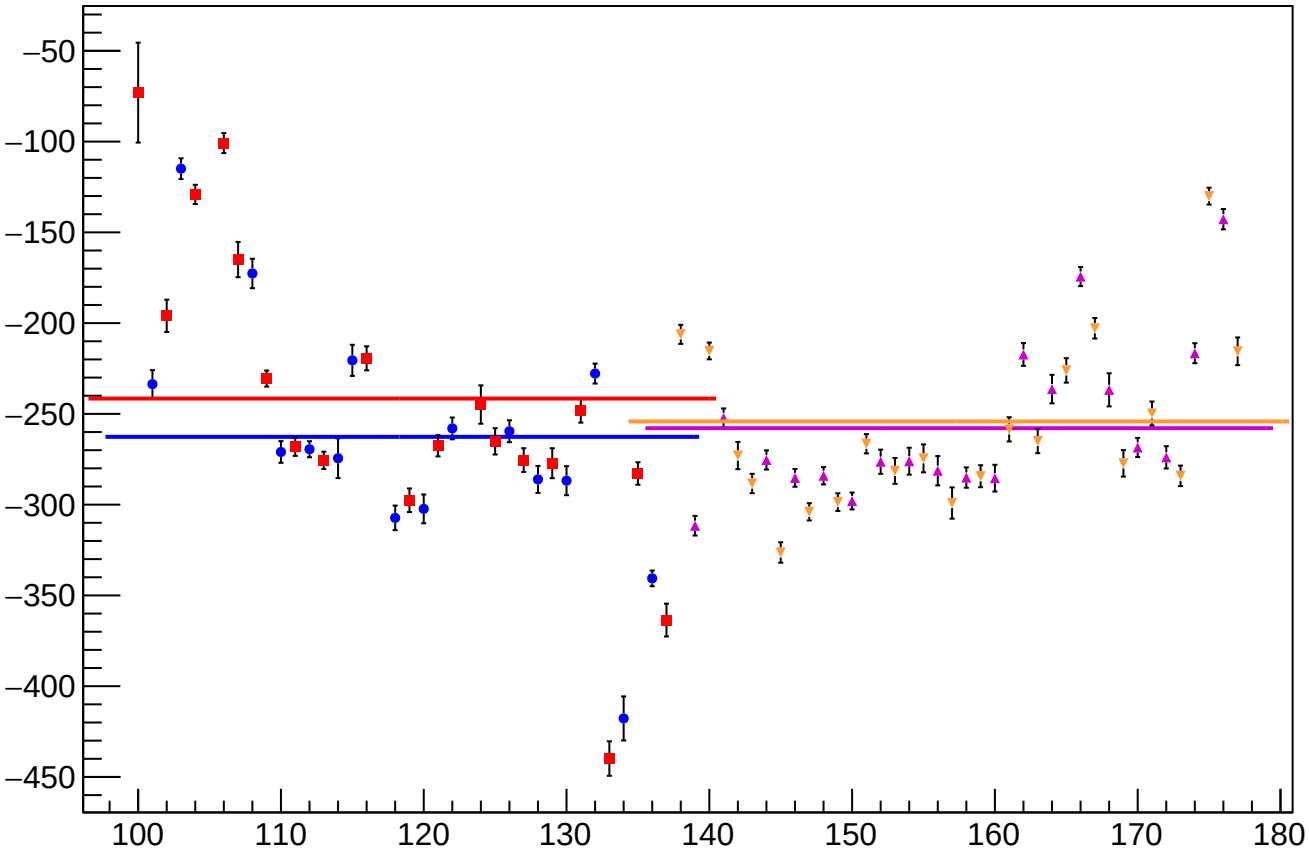
Left: -9.294+/-0.009 χ^2/NDF: 77206.0/39

Right: -9.558+/-0.024 χ^2/NDF: 85225.4/34

In: -9.437+/-0.012 χ^2/NDF:60935.9/34

Out: -9.224+/-0.012 χ^2/NDF:101451.5/39

All: -9.329+/-0.009 χ^2/NDF: 162538.3/74



Right In: -262.643+/-1.614 χ^2/NDF: 1454.3/15

Left Out: -254.164+/-1.288 χ^2/NDF:1523.9/20

Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

Left In: -257.881+/-1.334 χ^2/NDF:1103.3/18

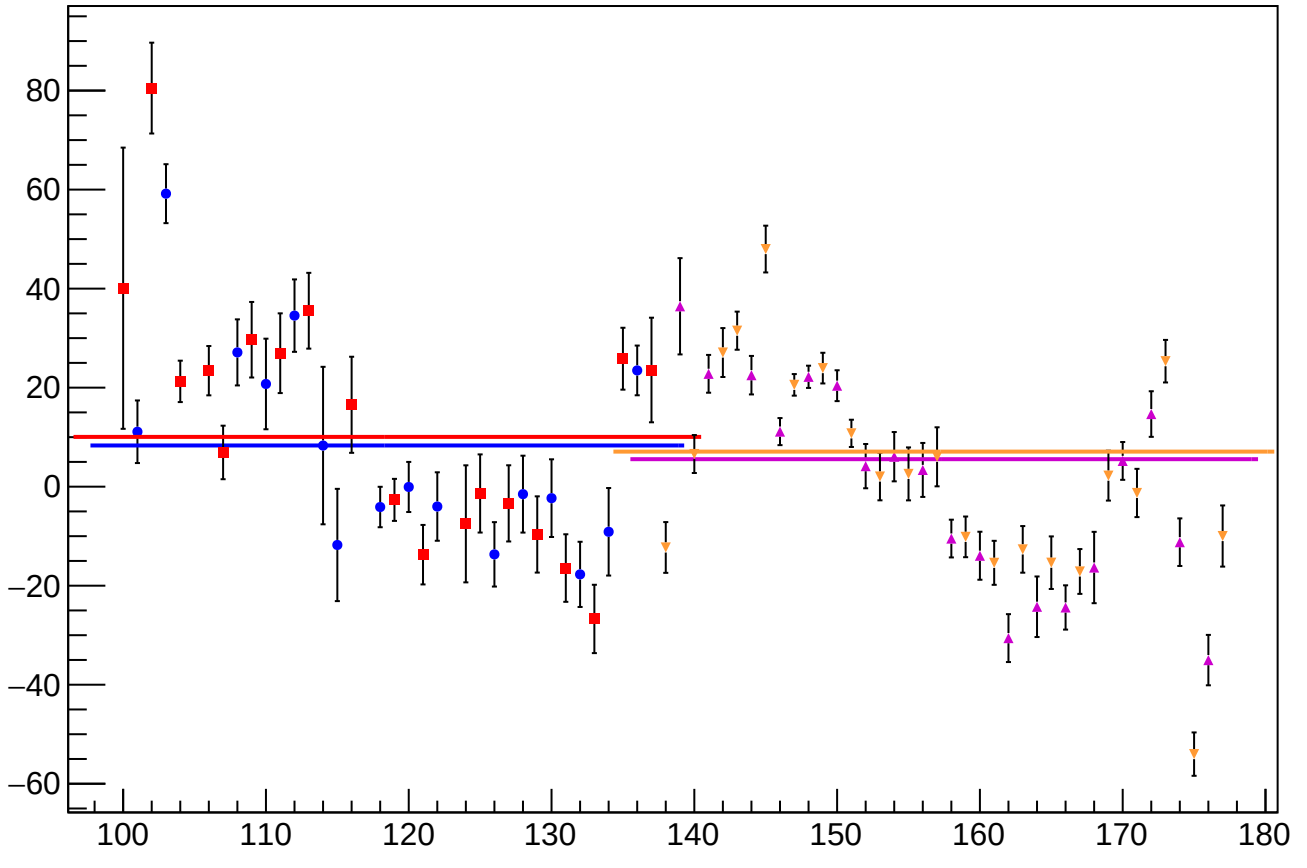
Left: -255.958+/-0.927 χ^2/NDF: 2631.1/39

Right: -251.368+/-1.101 χ^2/NDF: 3684.2/34

In: -259.814+/-1.028 χ^2/NDF:2562.7/34

Out: -248.833+/-0.979 χ^2/NDF:3702.9/39

All: -254.055+/-0.709 χ^2/NDF: 6325.5/74



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 7.081+/-0.889 χ^2/NDF:548.9/20

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

Left In: 5.552+/-0.932 χ^2/NDF:378.6/18

Left: 6.352+/-0.643 χ^2/NDF: 929.0/39

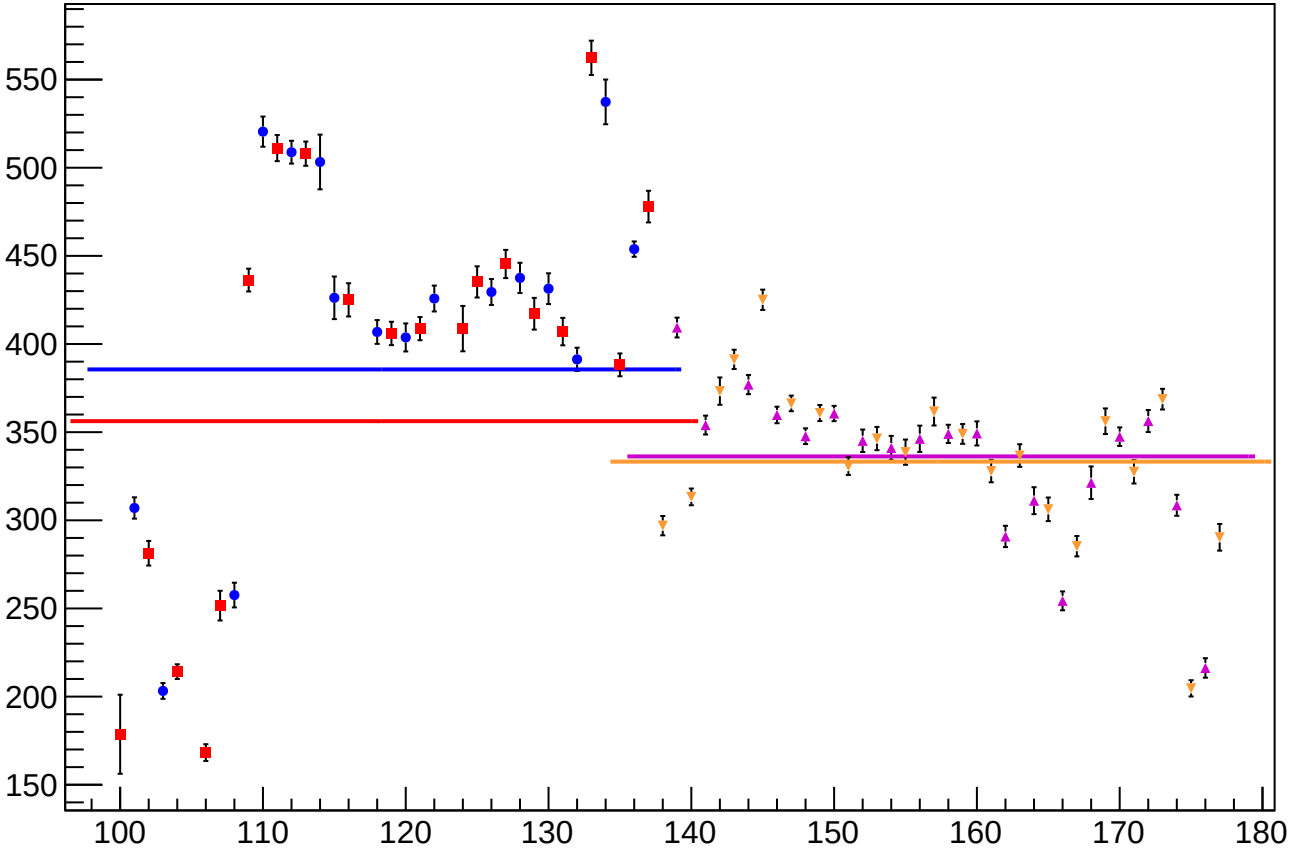
Right: 9.243+/-1.123 χ^2/NDF: 345.7/34

In: 6.225+/-0.811 χ^2/NDF:538.4/34

Out: 7.824+/-0.770 χ^2/NDF:739.1/39

All: 7.066+/-0.558 χ^2/NDF: 1279.6/74

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 333.296+/-1.267 χ^2/NDF:1513.7/20

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

Left In: 336.248+/-1.308 χ^2/NDF:1124.1/18

Left: 334.725+/-0.910 χ^2/NDF: 2640.4/39

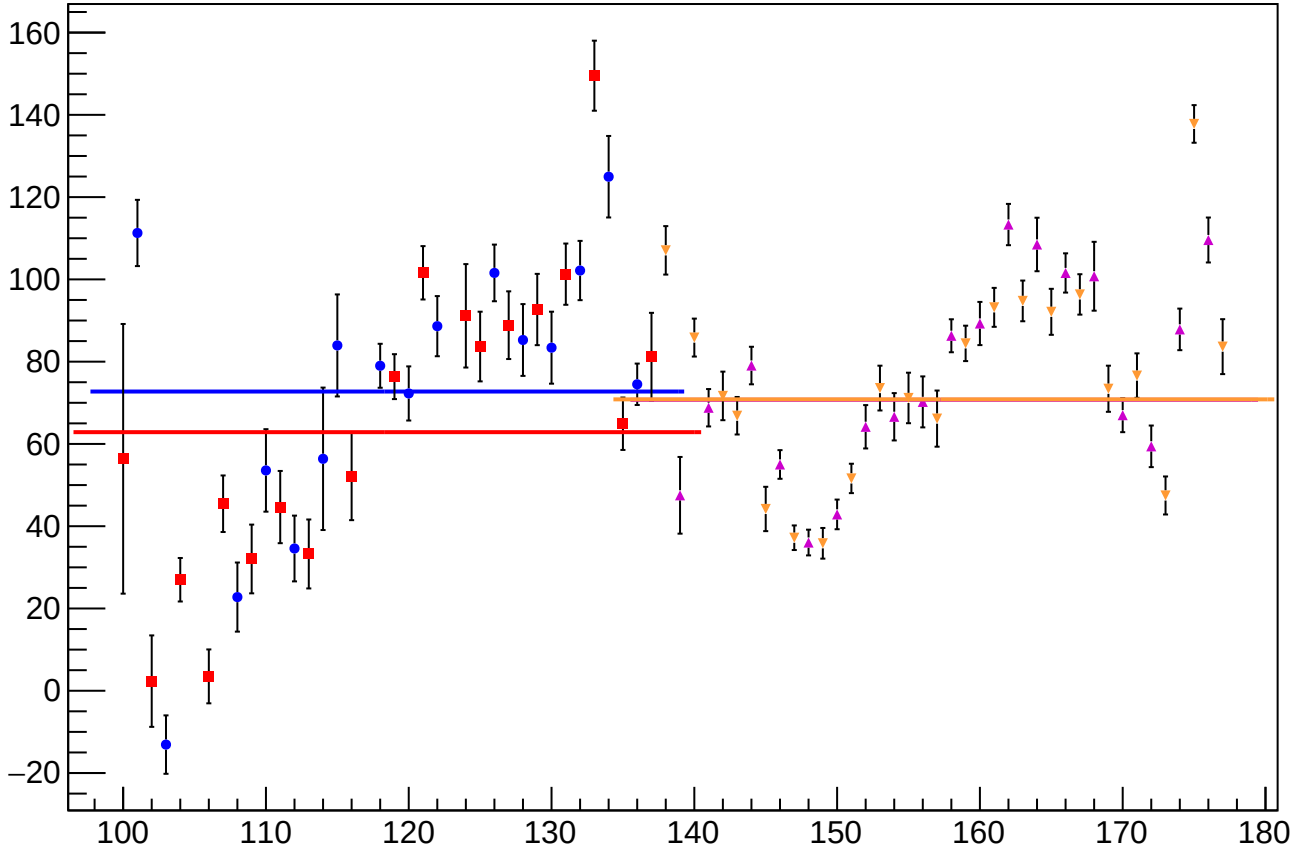
Right: 370.089+/-1.197 χ^2/NDF: 8793.2/34

In: 354.026+/-1.046 χ^2/NDF:5010.3/34

Out: 341.828+/-1.004 χ^2/NDF:6906.0/39

All: 347.678+/-0.724 χ^2/NDF: 11987.0/74

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 72.740+/-1.897 χ^2/NDF: 304.3/15

Left Out: 70.836+/-1.039 χ^2/NDF:659.9/20

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

Left In: 70.728+/-1.083 χ^2/NDF:470.8/18

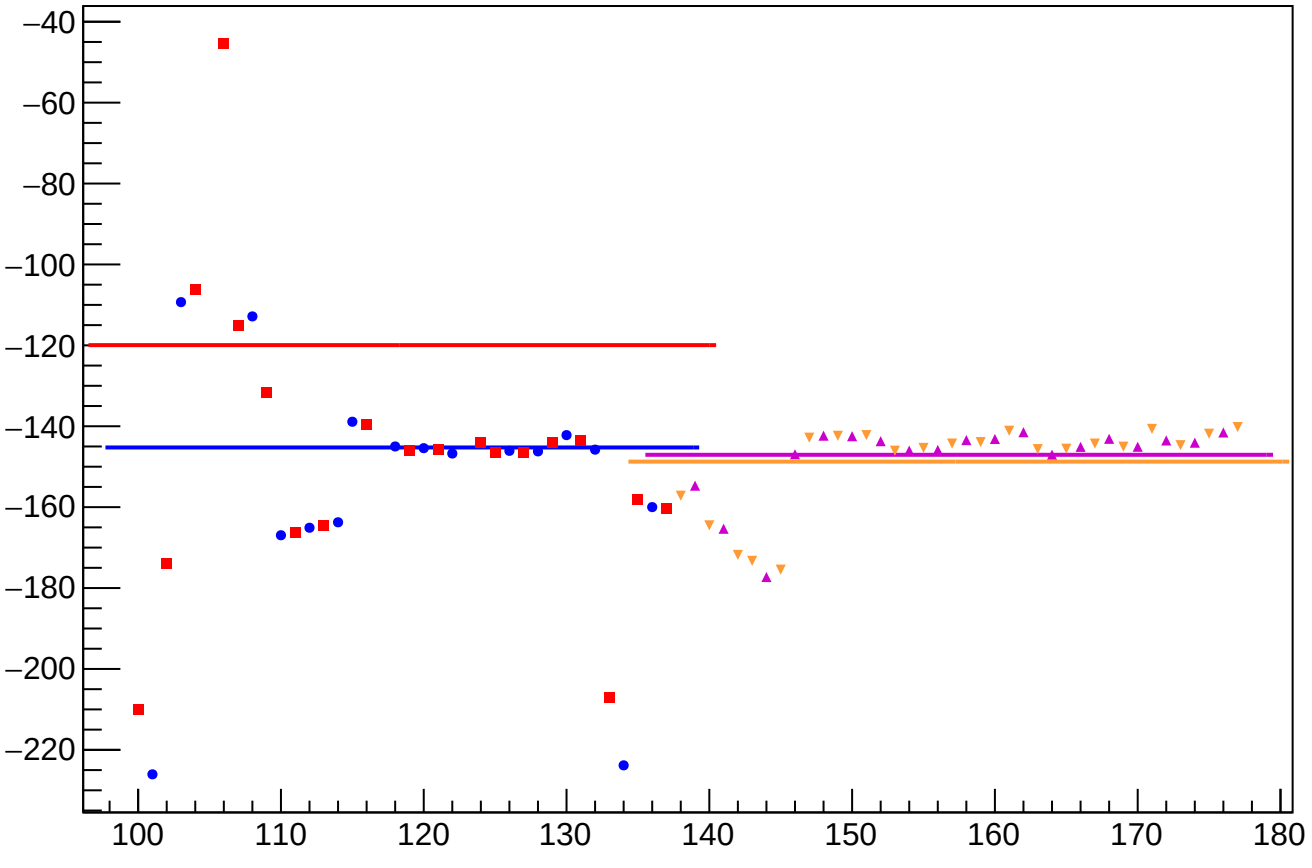
Left: 70.784+/-0.750 χ^2/NDF: 1130.7/39

Right: 67.528+/-1.304 χ^2/NDF: 722.2/34

In: 71.223+/-0.941 χ^2/NDF:775.9/34

Out: 68.836+/-0.899 χ^2/NDF:1078.3/39

All: 69.975+/-0.650 χ^2/NDF: 1857.6/74



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -148.747+/-0.049 χ^2/NDF:47654.3/20

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

Left In: -147.058+/-0.050 χ^2/NDF:28082.0/18

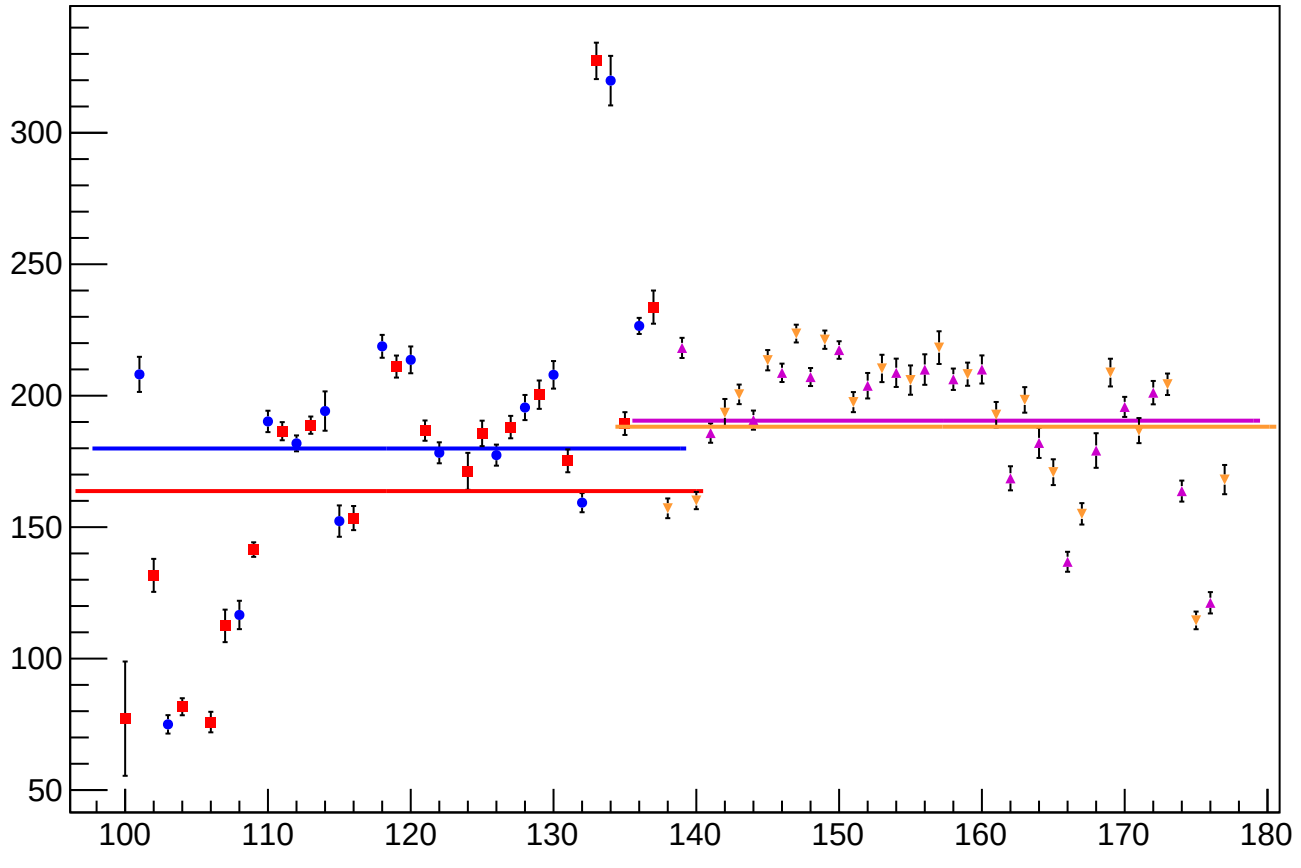
Left: -147.912+/-0.035 χ^2/NDF: 76325.3/39

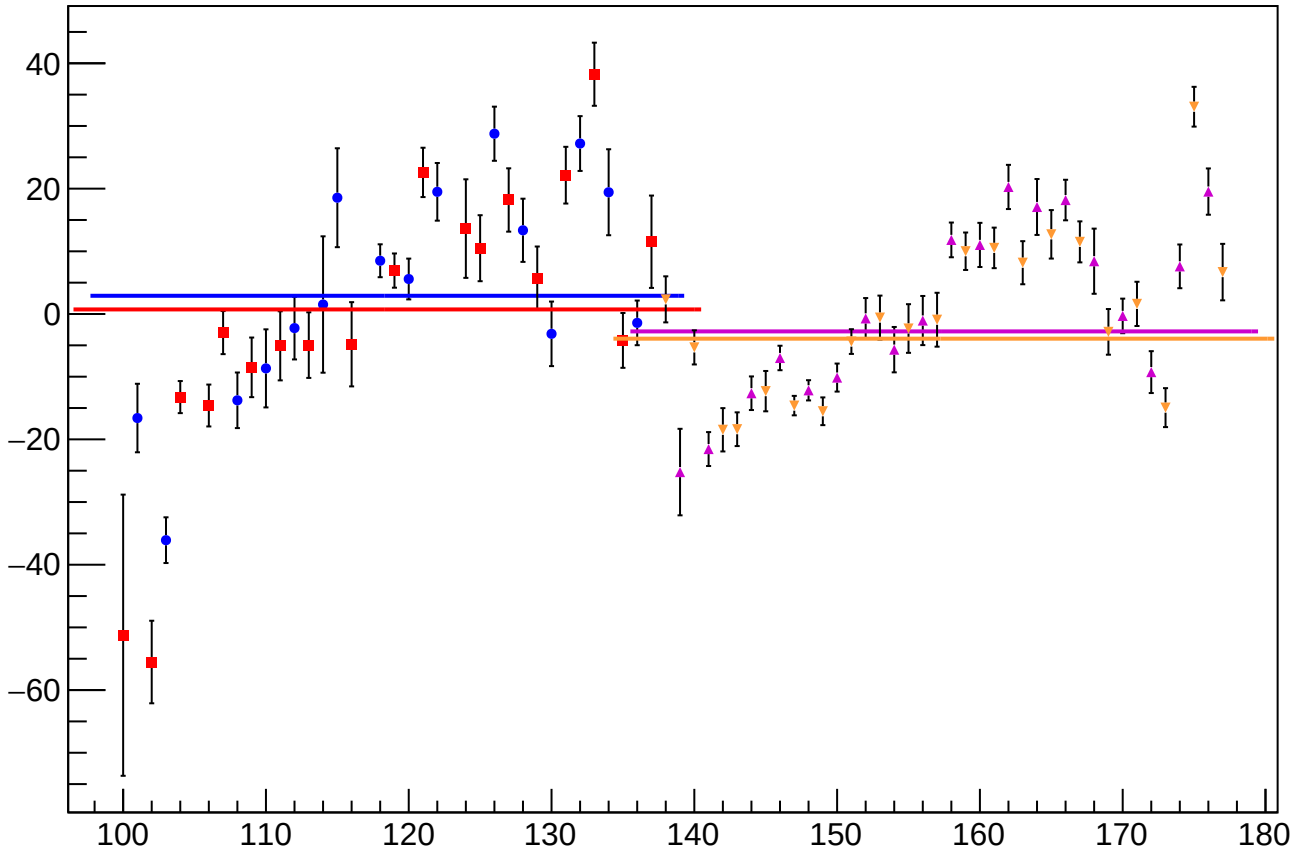
Right: -131.335+/-0.066 χ^2/NDF: 438808.7/34

In: -146.691+/-0.044 χ^2/NDF:160409.9/34

Out: -142.059+/-0.043 χ^2/NDF:398459.8/39

All: -144.303+/-0.031 χ^2/NDF: 564524.9/74


reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug, Sign Corrected
300
250
200
150
100
50
100
110
120
130
140
150
160
170
180
Right In: 179.918+/-1.089 χ²/NDF: 1732.7/15
Left Out: 188.197+/-0.924 χ²/NDF:1084.7/20
Right Out: 163.718+/-1.001 χ²/NDF: 2416.8/18
Left In: 190.502+/-0.958 χ²/NDF:799.3/18
Left: 189.307+/-0.665 χ²/NDF: 1887.0/39
Right: 171.138+/-0.737 χ²/NDF: 4269.5/34
In: 185.880+/-0.719 χ²/NDF:2585.2/34
Out: 176.937+/-0.679 χ²/NDF:3824.6/39
All: 181.149+/-0.494 χ²/NDF: 6491.6/74



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -3.937+/-0.637 χ^2/NDF:384.5/20

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

Left In: -2.775+/-0.670 χ^2/NDF:325.1/18

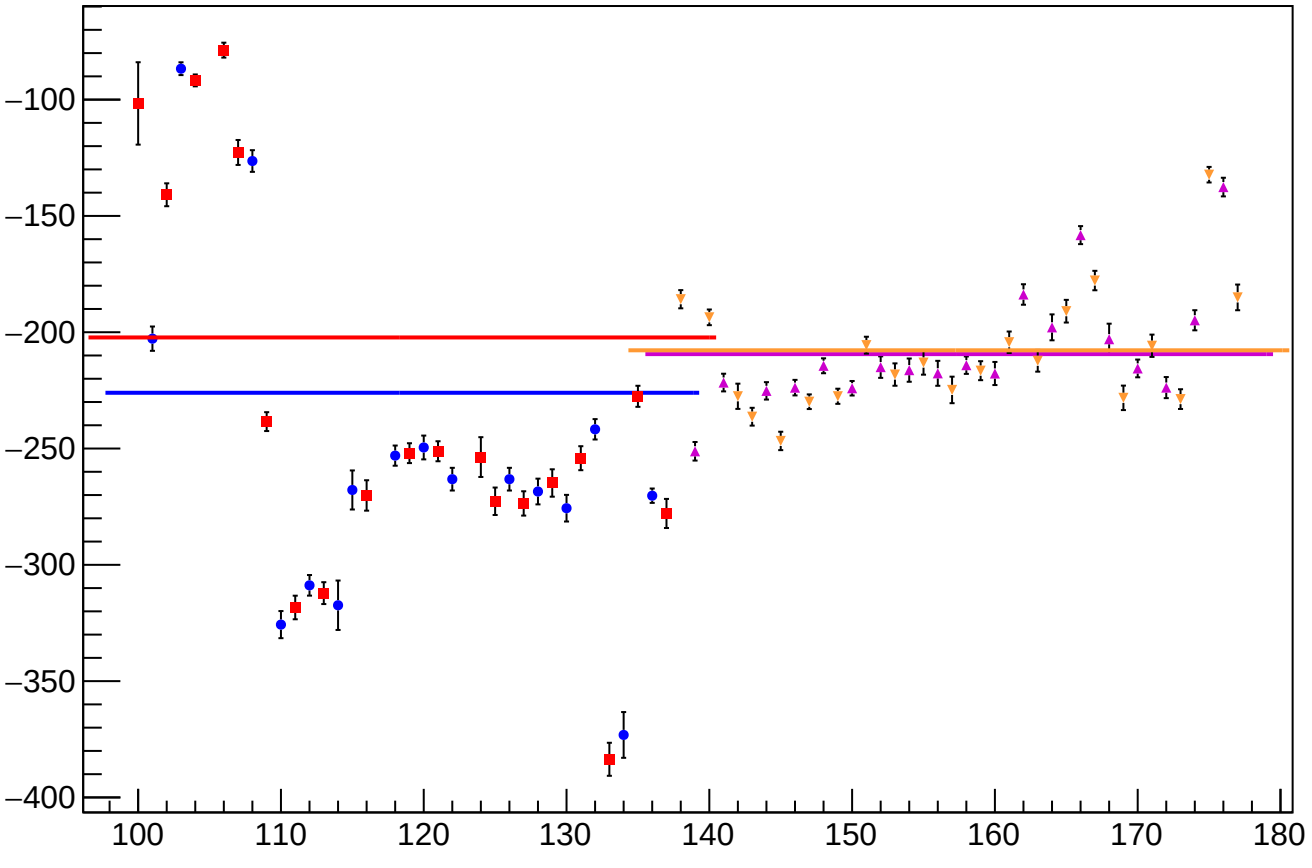
Left: -3.385+/-0.461 χ^2/NDF: 711.2/39

Right: 1.723+/-0.746 χ^2/NDF: 523.2/34

In: -1.248+/-0.573 χ^2/NDF:592.0/34

Out: -2.613+/-0.539 χ^2/NDF:673.4/39

All: -1.972+/-0.392 χ^2/NDF: 1268.4/74



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -207.772+/-0.909 χ^2/NDF:951.5/20

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

Left In: -209.409+/-0.940 χ^2/NDF:750.0/18

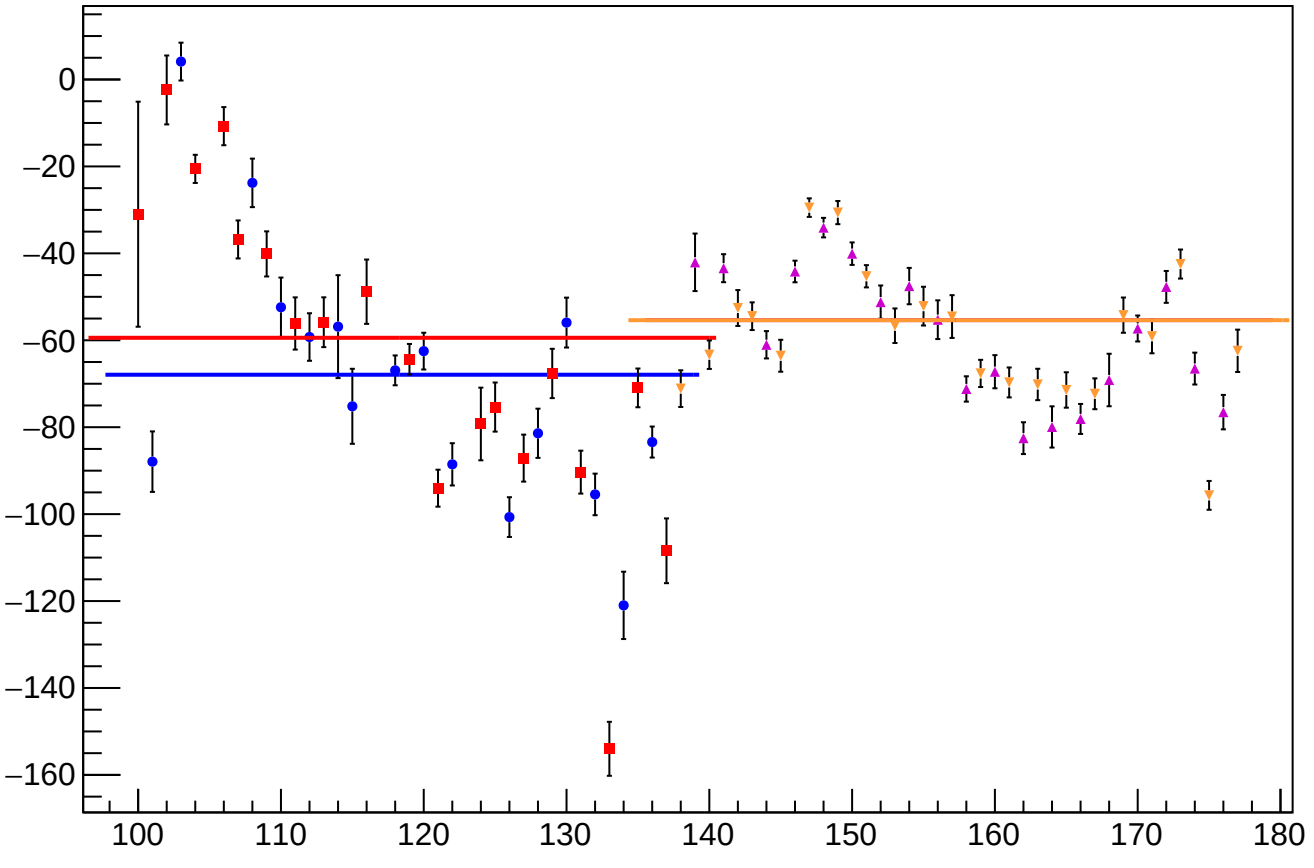
Left: -208.563+/-0.653 χ^2/NDF: 1703.0/39

Right: -213.214+/-0.798 χ^2/NDF: 11450.5/34

In: -215.893+/-0.734 χ^2/NDF:5411.0/34

Out: -205.499+/-0.697 χ^2/NDF:7657.4/39

All: -210.429+/-0.505 χ^2/NDF: 13173.8/74



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -55.380+/-0.745 χ^2/NDF:529.2/20

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

Left In: -55.356+/-0.779 χ^2/NDF:383.0/18

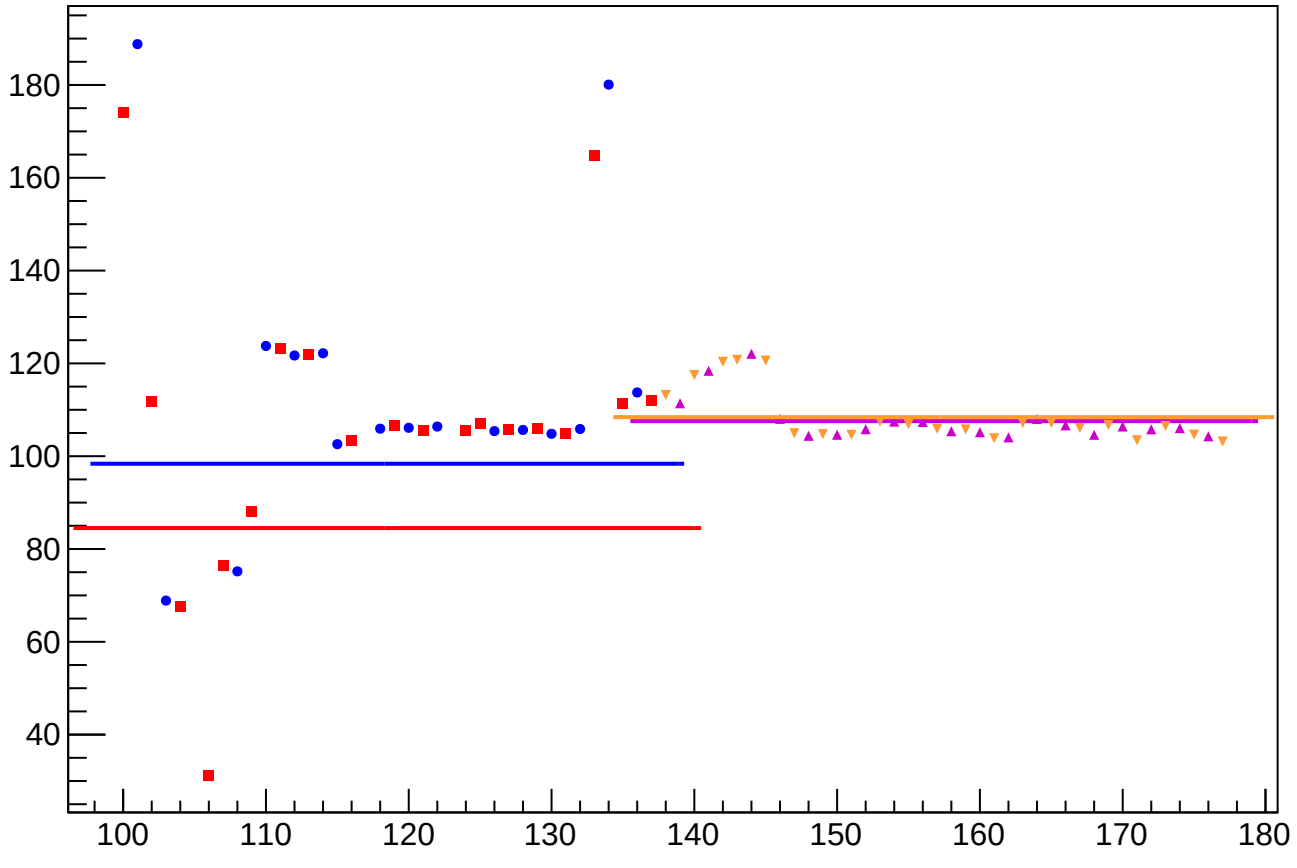
Left: -55.368+/-0.539 χ^2/NDF: 912.2/39

Right: -63.353+/-0.869 χ^2/NDF: 1352.7/34

In: -58.762+/-0.665 χ^2/NDF:987.6/34

Out: -56.528+/-0.631 χ^2/NDF:1332.4/39

All: -57.585+/-0.458 χ^2/NDF: 2325.9/74



Right In: 98.377+/-0.066 χ^2/NDF: 228419.7/15

Left Out: 108.421+/-0.035 χ^2/NDF:25720.6/20

Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 107.561+/-0.036 χ^2/NDF:16151.1/18

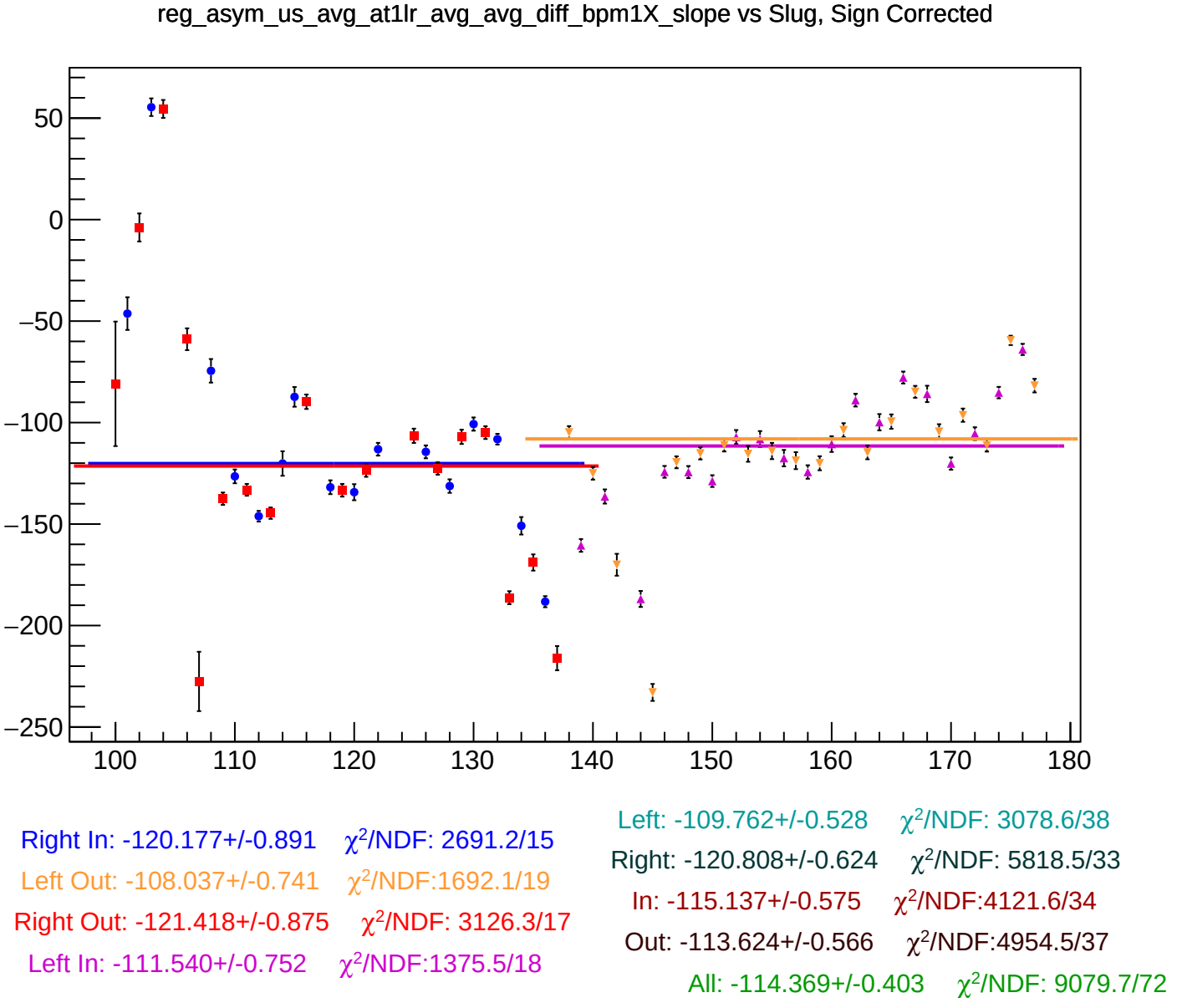
Left: 107.997+/-0.025 χ^2/NDF: 42166.8/39

Right: 90.854+/-0.045 χ^2/NDF: 521250.8/34

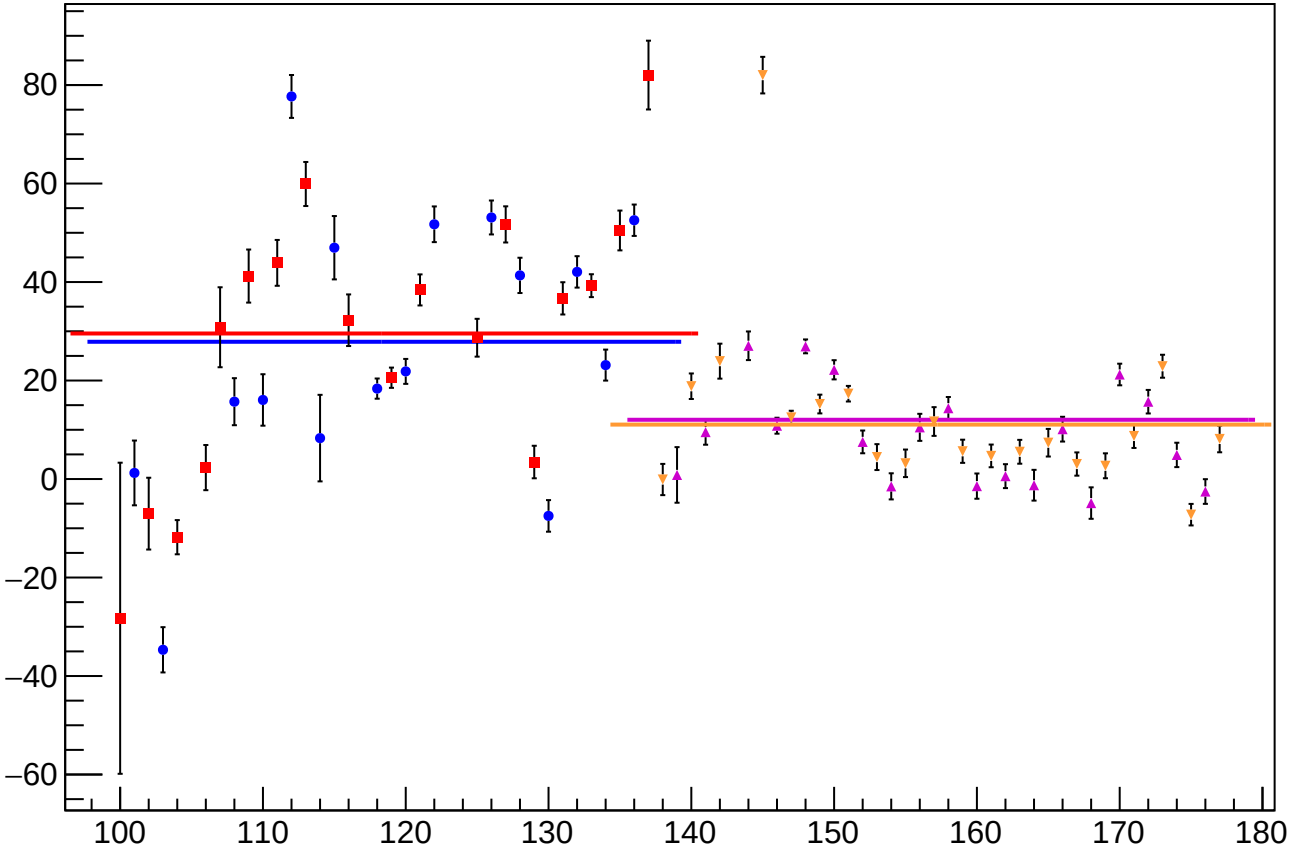
In: 105.489+/-0.031 χ^2/NDF:259547.8/34

Out: 102.406+/-0.030 χ^2/NDF:411013.5/39

All: 103.900+/-0.022 χ^2/NDF: 675544.2/74


reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
−250
100
110
120
130
140
150
160
170
180
Right In: -120.177+/-0.891 χ²/NDF: 2691.2/15
Left Out: -108.037+/-0.741 χ²/NDF:1692.1/19
Right Out: -121.418+/-0.875 χ²/NDF: 3126.3/17
Left In: -111.540+/-0.752 χ²/NDF:1375.5/18
Left: -109.762+/-0.528 χ²/NDF: 3078.6/38
Right: -120.808+/-0.624 χ²/NDF: 5818.5/33
In: -115.137+/-0.575 χ²/NDF:4121.6/34
Out: -113.624+/-0.566 χ²/NDF:4954.5/37
All: -114.369+/-0.403 χ²/NDF: 9079.7/72

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: 11.055+/-0.519 χ^2/NDF:575.6/19

Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 12.034+/-0.535 χ^2/NDF:360.8/18

Left: 11.530+/-0.373 χ^2/NDF: 938.1/38

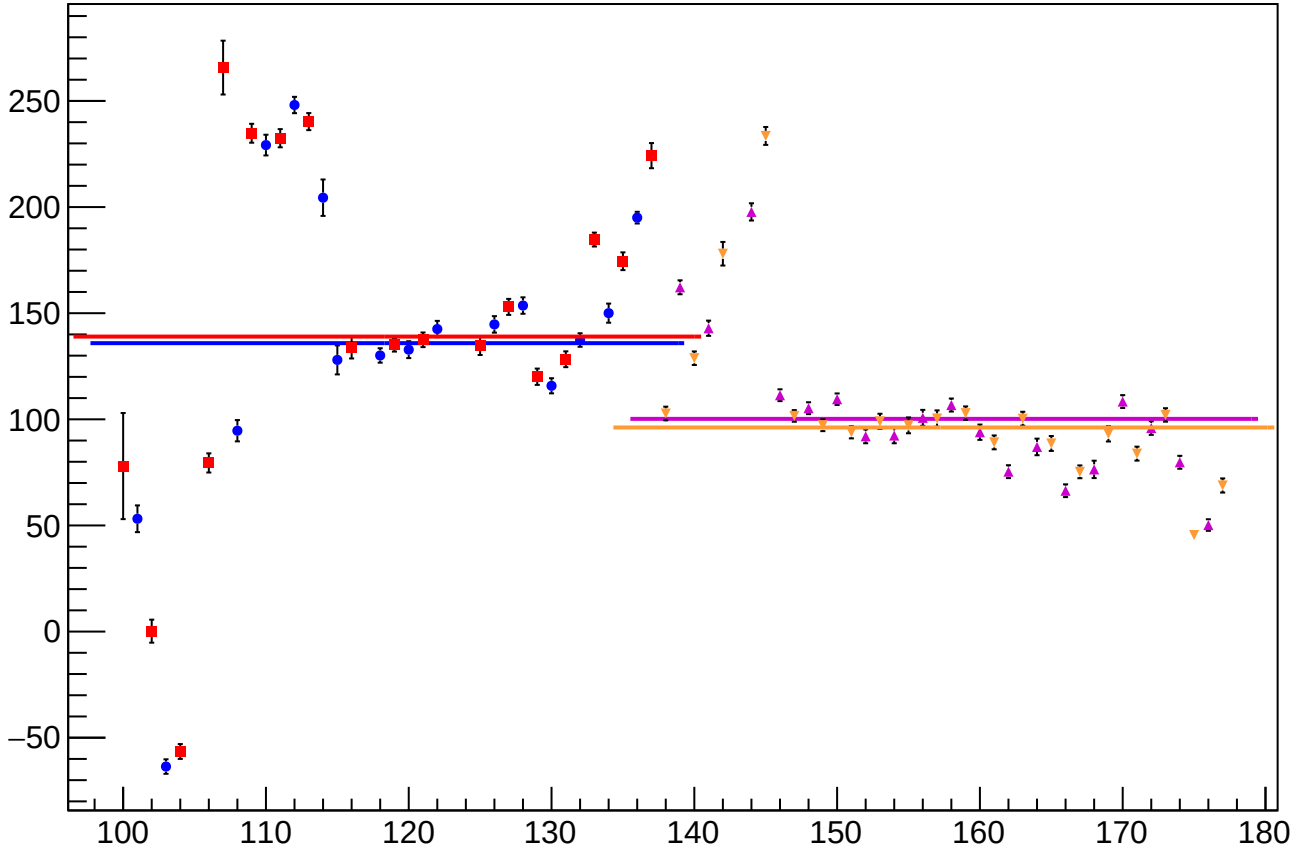
Right: 28.711+/-0.629 χ^2/NDF: 1198.9/33

In: 16.254+/-0.458 χ^2/NDF:1293.6/34

Out: 15.754+/-0.448 χ^2/NDF:1395.6/37

All: 15.998+/-0.321 χ^2/NDF: 2689.8/72

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: 96.155+/-0.726 χ^2/NDF:2025.6/19

Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 100.217+/-0.738 χ^2/NDF:1751.8/18

Left: 98.153+/-0.517 χ^2/NDF: 3792.8/38

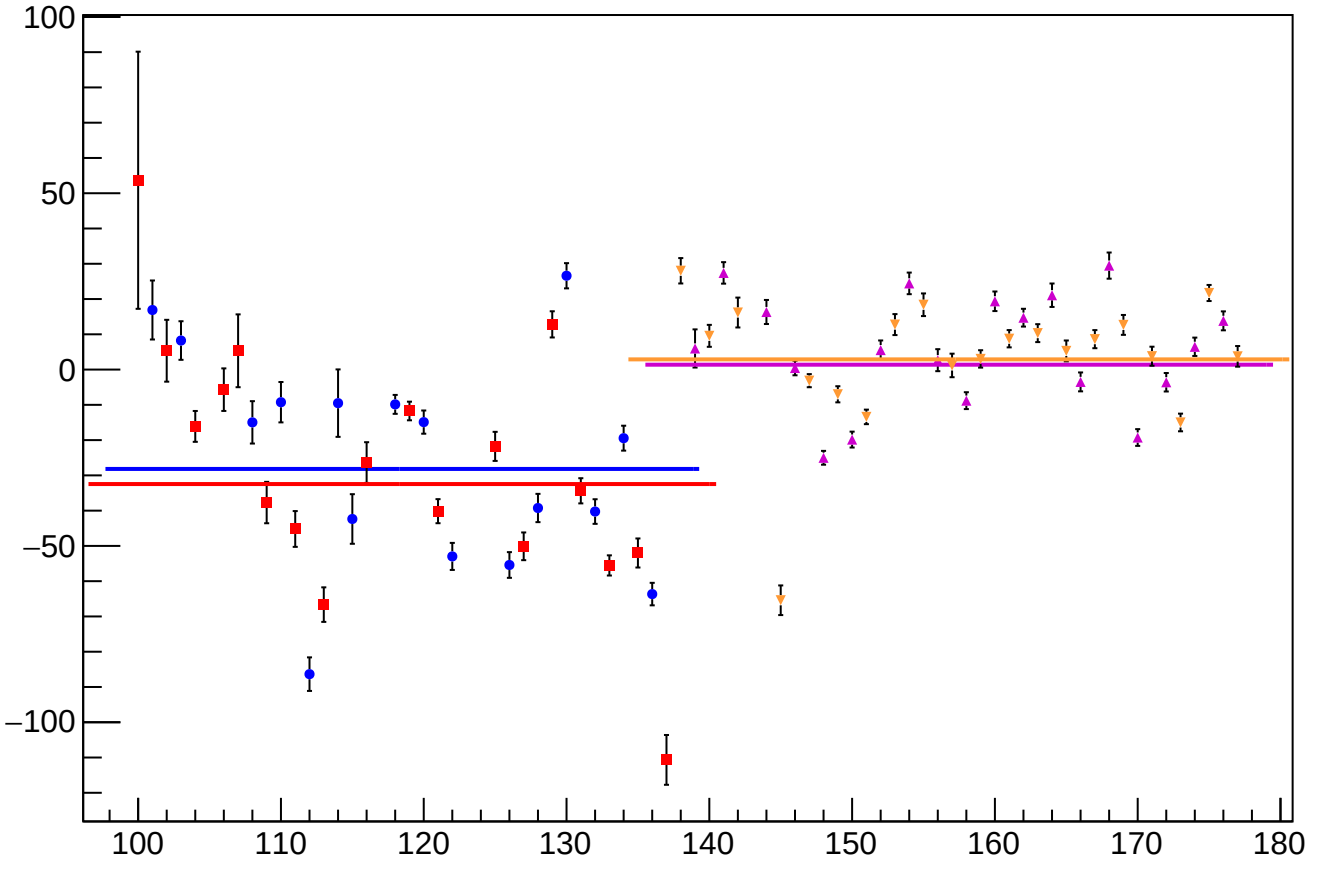
Right: 137.434+/-0.706 χ^2/NDF: 11624.9/33

In: 112.812+/-0.593 χ^2/NDF:8040.8/34

Out: 110.966+/-0.587 χ^2/NDF:9386.2/37

All: 111.879+/-0.417 χ^2/NDF: 17431.9/72

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: 2.890+/-0.598 χ^2/NDF:605.0/19

Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: 1.384+/-0.616 χ^2/NDF:710.8/18

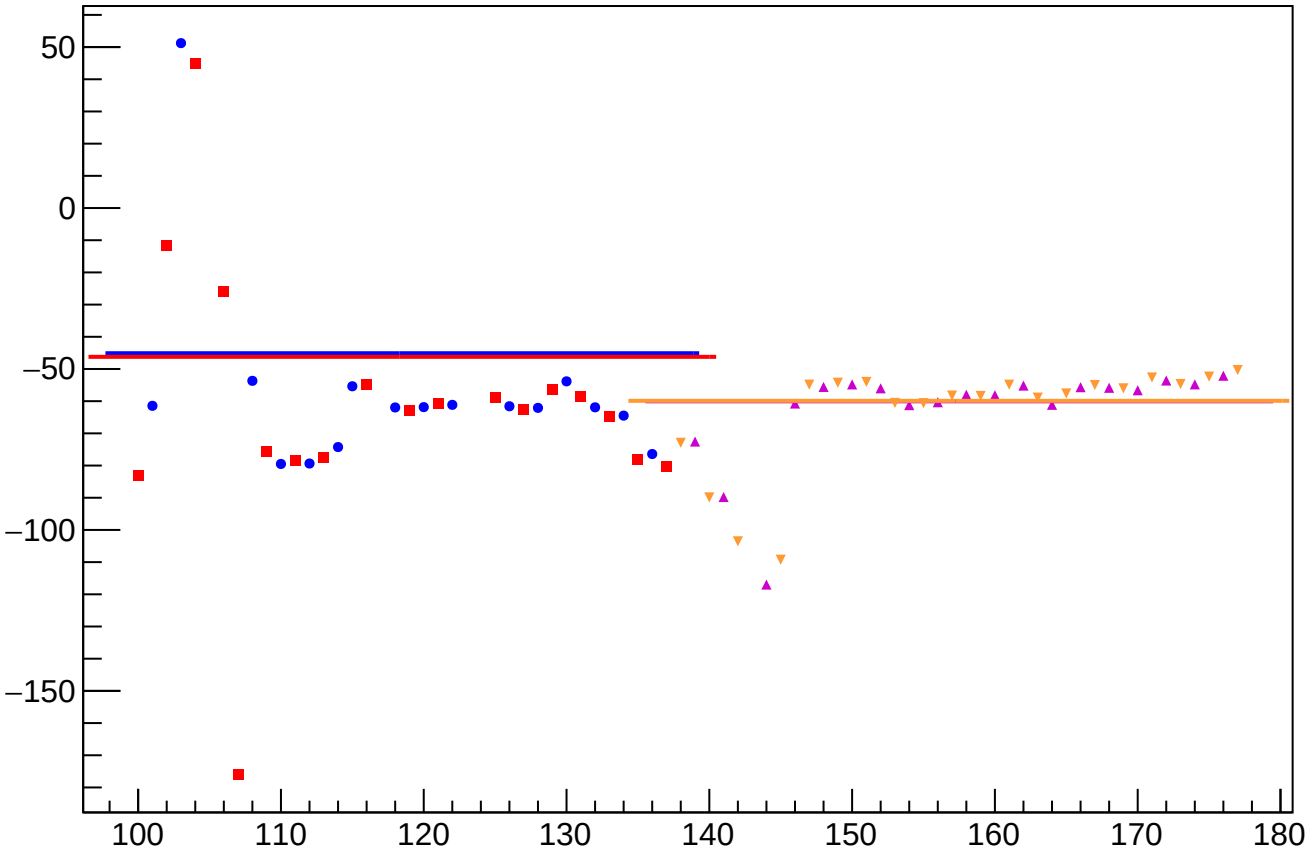
Left: 2.159+/-0.429 χ^2/NDF: 1318.9/38

Right: -30.307+/-0.725 χ^2/NDF: 1380.8/33

In: -6.486+/-0.527 χ^2/NDF:2115.5/34

Out: -6.064+/-0.517 χ^2/NDF:2069.8/37

All: -6.271+/-0.369 χ^2/NDF: 4185.7/72



Right In: -45.106+/-0.060 χ^2/NDF: 575184.2/15

Left Out: -59.893+/-0.028 χ^2/NDF:209079.2/19

Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

Left In: -60.047+/-0.028 χ^2/NDF:171157.7/18

Left: -59.970+/-0.019 χ^2/NDF: 380252.6/38

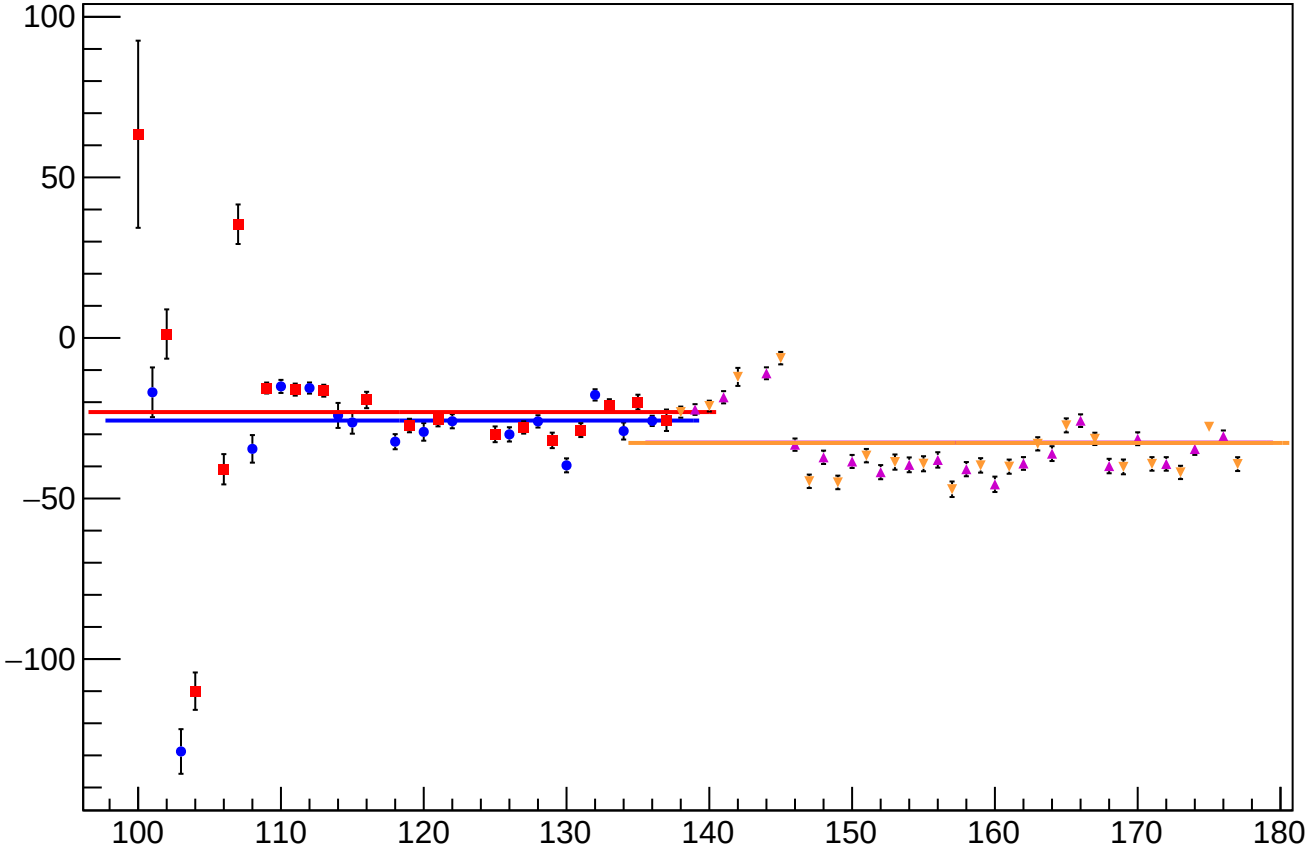
Right: -45.645+/-0.043 χ^2/NDF: 1068967.9/33

In: -57.453+/-0.025 χ^2/NDF:797356.8/34

Out: -57.680+/-0.025 χ^2/NDF:742641.5/37

All: -57.566+/-0.018 χ^2/NDF: 1540039.5/72

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: -32.691+/-0.462 χ^2/NDF:522.5/19

Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -32.599+/-0.468 χ^2/NDF:363.8/18

Left: -32.645+/-0.329 χ^2/NDF: 886.3/38

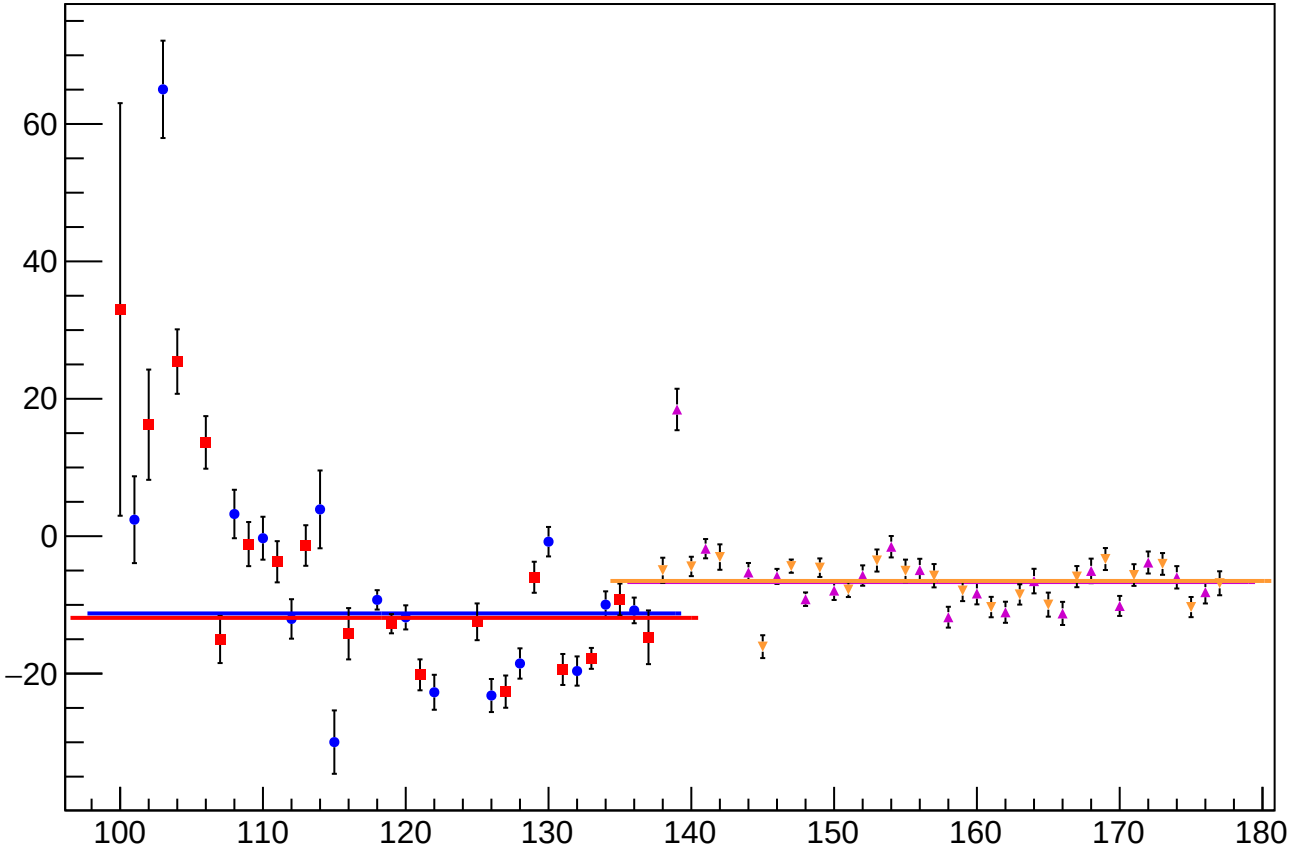
Right: -24.381+/-0.414 χ^2/NDF: 810.3/33

In: -29.945+/-0.367 χ^2/NDF:810.1/34

Out: -28.974+/-0.362 χ^2/NDF:1126.9/37

All: -29.453+/-0.258 χ^2/NDF: 1940.6/72

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: -6.516+/-0.332 χ^2/NDF:79.0/19

Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: -6.676+/-0.341 χ^2/NDF:141.2/18

Left: -6.594+/-0.238 χ^2/NDF: 220.3/38

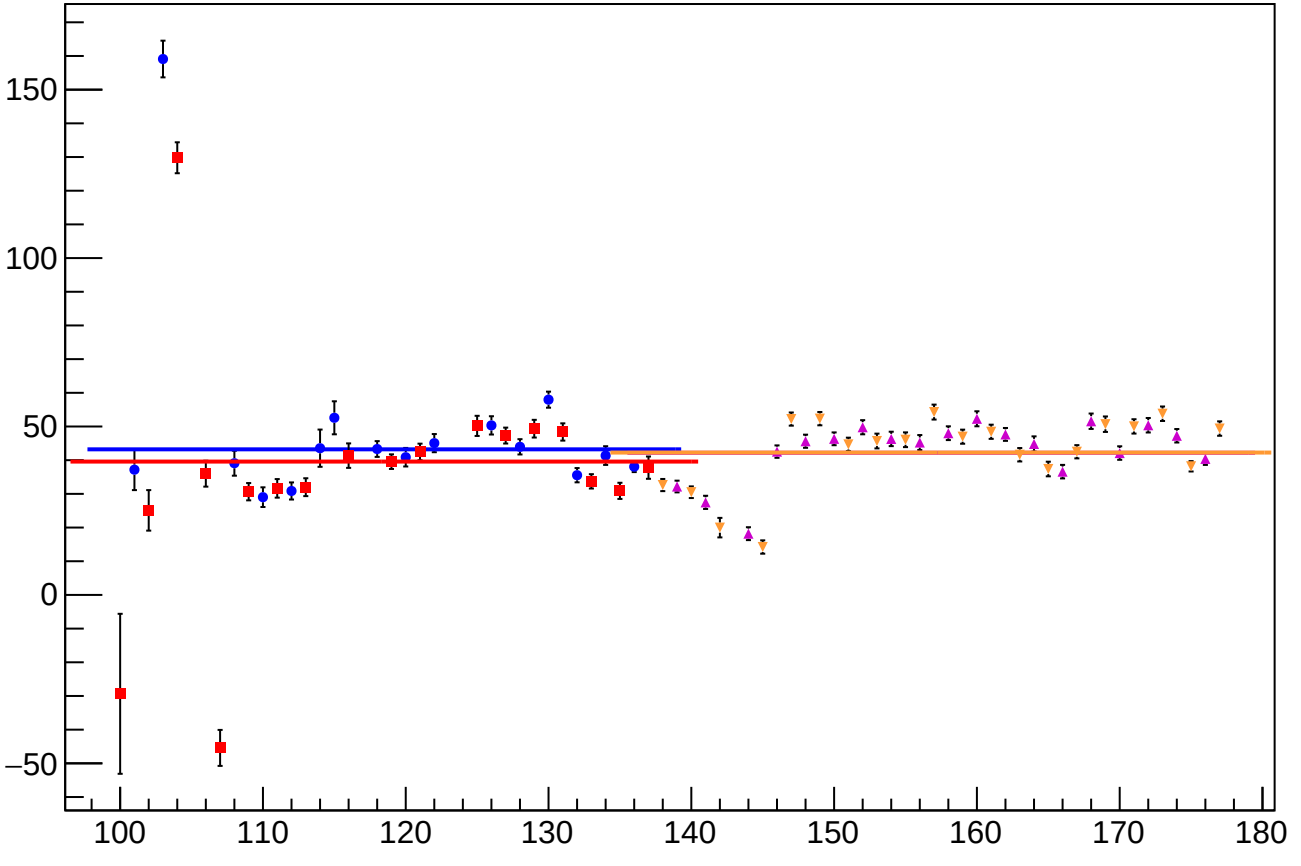
Right: -11.564+/-0.427 χ^2/NDF: 496.1/33

In: -7.790+/-0.296 χ^2/NDF:456.2/34

Out: -7.751+/-0.291 χ^2/NDF:363.8/37

All: -7.770+/-0.208 χ^2/NDF: 820.0/72

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: 42.265+/-0.454 χ^2/NDF:515.0/19

Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

Left In: 42.192+/-0.460 χ^2/NDF:358.1/18

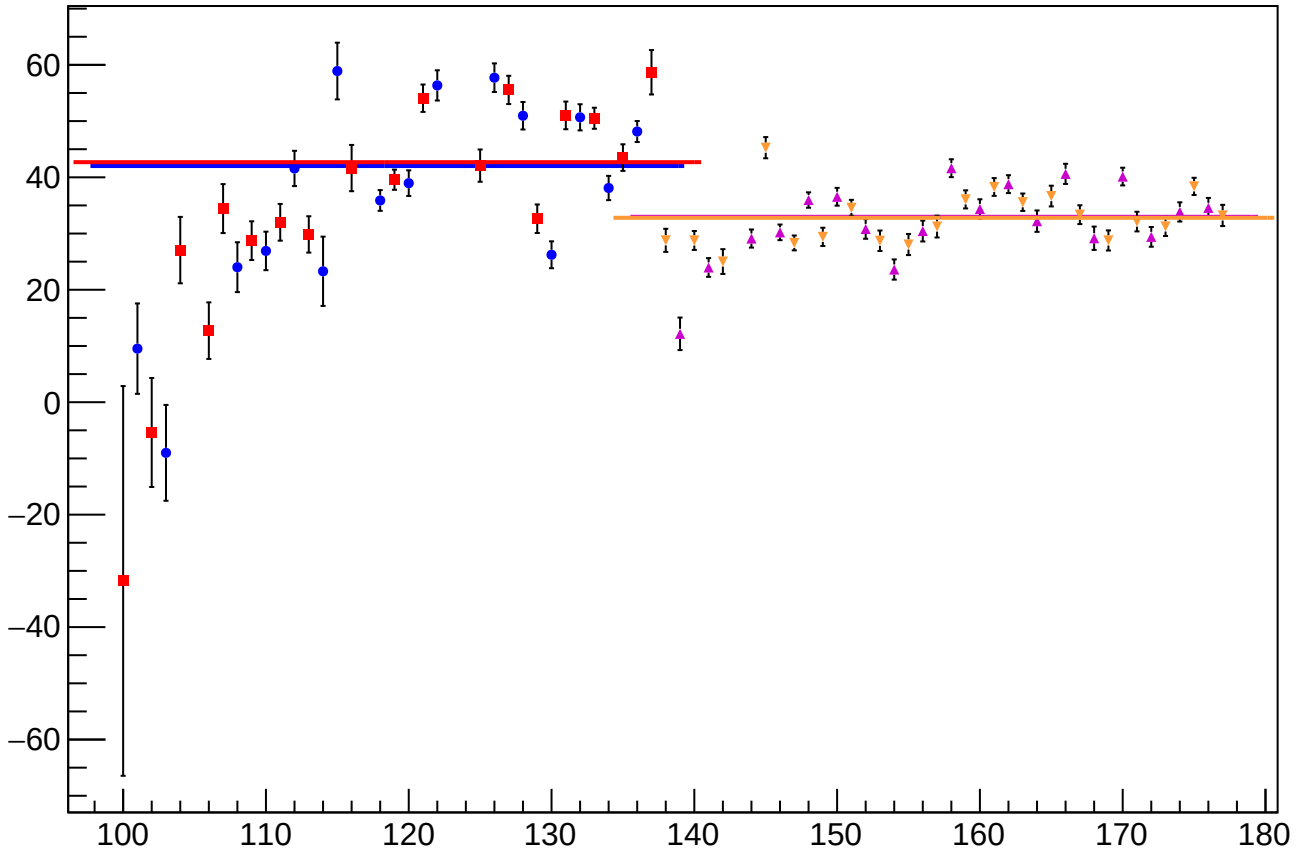
Left: 42.229+/-0.323 χ^2/NDF: 873.2/38

Right: 41.422+/-0.482 χ^2/NDF: 1344.2/33

In: 42.517+/-0.381 χ^2/NDF:935.7/34

Out: 41.447+/-0.379 χ^2/NDF:1279.7/37

All: 41.978+/-0.268 χ^2/NDF: 2219.3/72



Right In: 42.006+/-0.684 χ^2/NDF: 272.7/15

Left Out: 32.803+/-0.380 χ^2/NDF:138.6/19

Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 32.975+/-0.390 χ^2/NDF:222.2/18

Left: 32.887+/-0.272 χ^2/NDF: 360.9/38

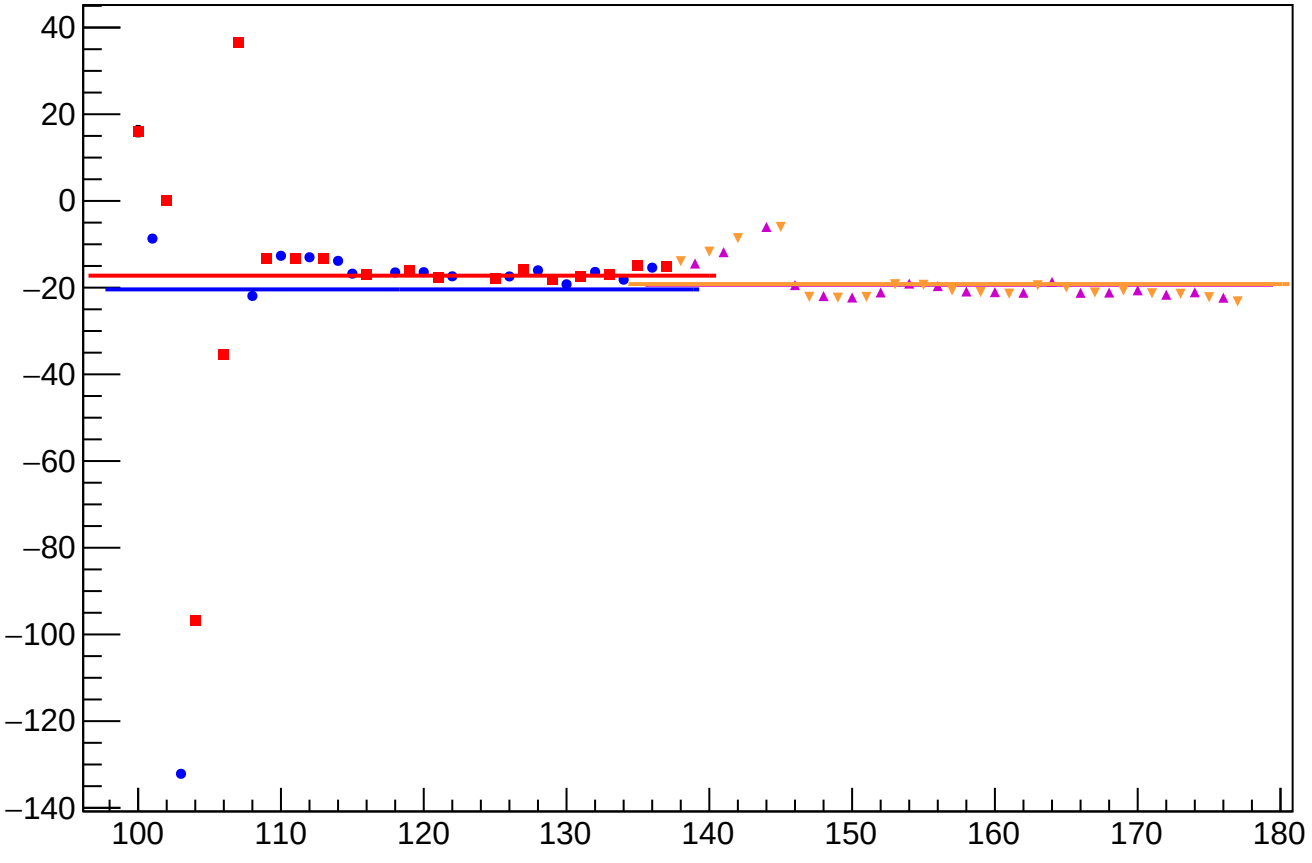
Right: 42.345+/-0.487 χ^2/NDF: 503.5/33

In: 35.190+/-0.339 χ^2/NDF:626.6/34

Out: 35.081+/-0.333 χ^2/NDF:524.9/37

All: 35.135+/-0.238 χ^2/NDF: 1151.6/72

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: -19.182+/-0.017 χ^2/NDF:64896.1/19

Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

Left In: -19.335+/-0.017 χ^2/NDF:48903.6/18

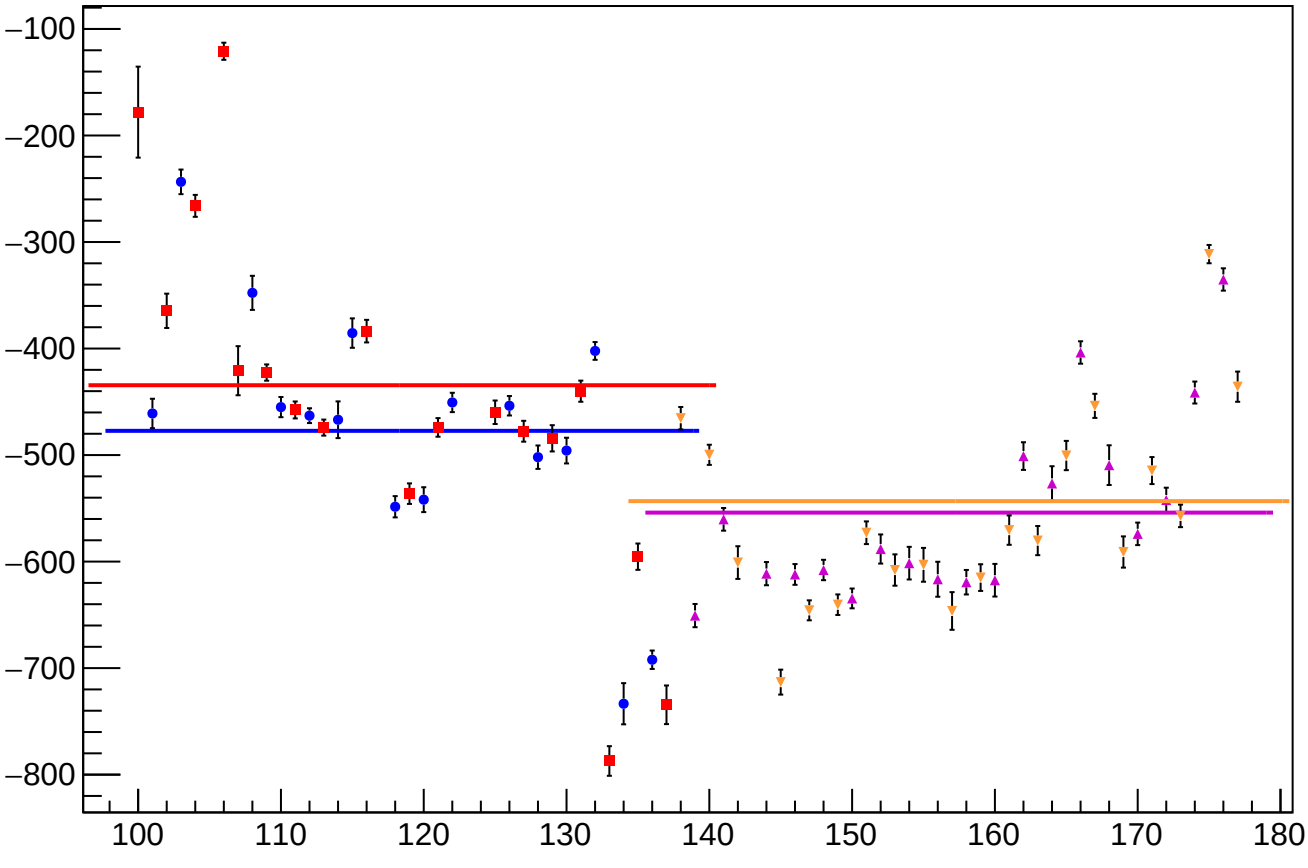
Left: -19.258+/-0.012 χ^2/NDF: 113839.7/38

Right: -18.901+/-0.030 χ^2/NDF: 452982.8/33

In: -19.489+/-0.016 χ^2/NDF:295073.6/34

Out: -18.926+/-0.016 χ^2/NDF:271244.2/37

All: -19.209+/-0.011 χ^2/NDF: 566941.8/72



Right In: -477.255+/-2.633 χ^2/NDF: 1510.8/15

Left Out: -543.252+/-2.645 χ^2/NDF:1516.4/19

Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

Left In: -554.020+/-2.668 χ^2/NDF:1118.4/18

Left: -548.589+/-1.878 χ^2/NDF: 2643.0/38

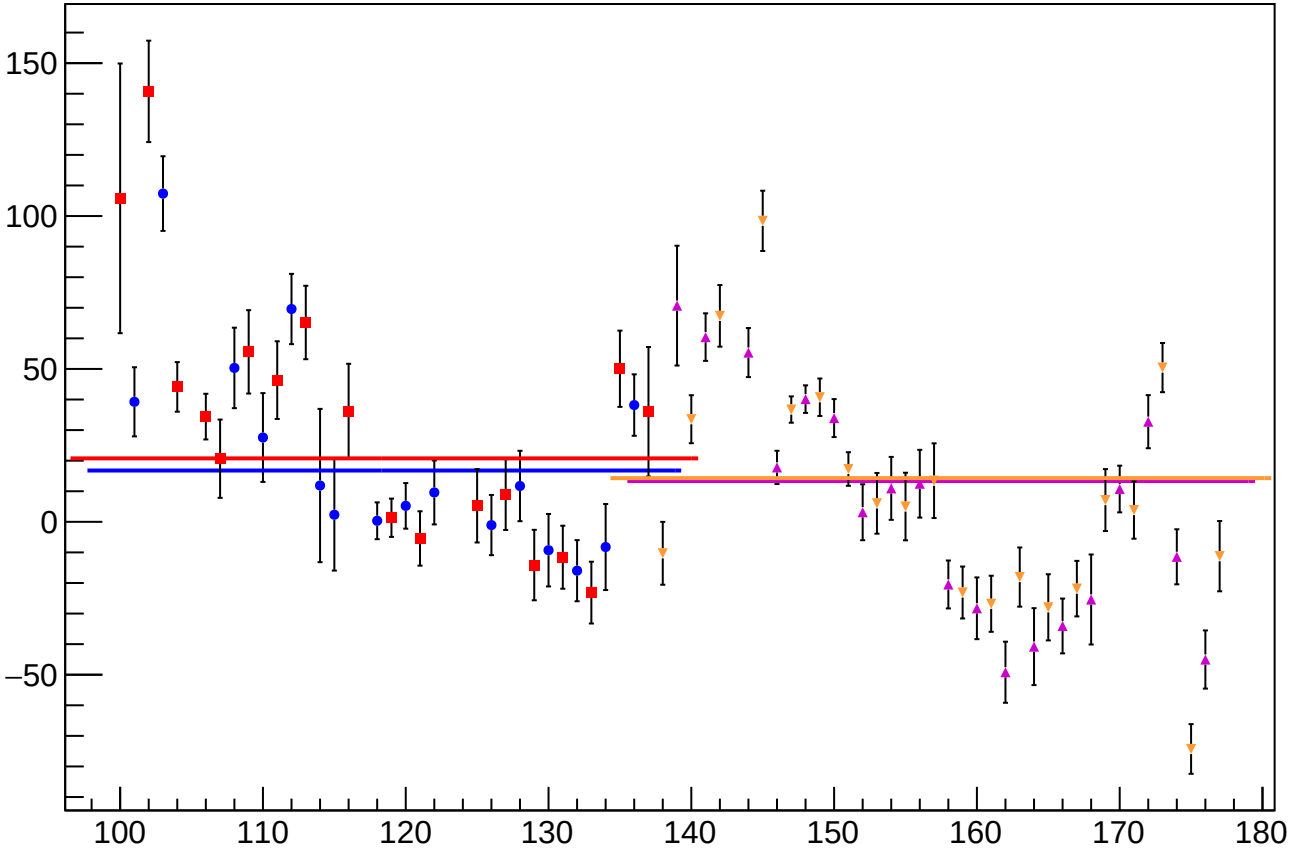
Right: -454.426+/-1.799 χ^2/NDF: 4813.7/33

In: -515.131+/-1.874 χ^2/NDF:3048.6/34

Out: -484.989+/-1.803 χ^2/NDF:5584.4/37

All: -499.476+/-1.299 χ^2/NDF: 8767.3/72

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.780+/-2.654 χ^2/NDF: 125.0/15

Left Out: 14.292+/-1.822 χ^2/NDF:387.4/19

Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

Left In: 13.335+/-1.868 χ^2/NDF:299.5/18

Left: 13.825+/-1.304 χ^2/NDF: 687.0/38

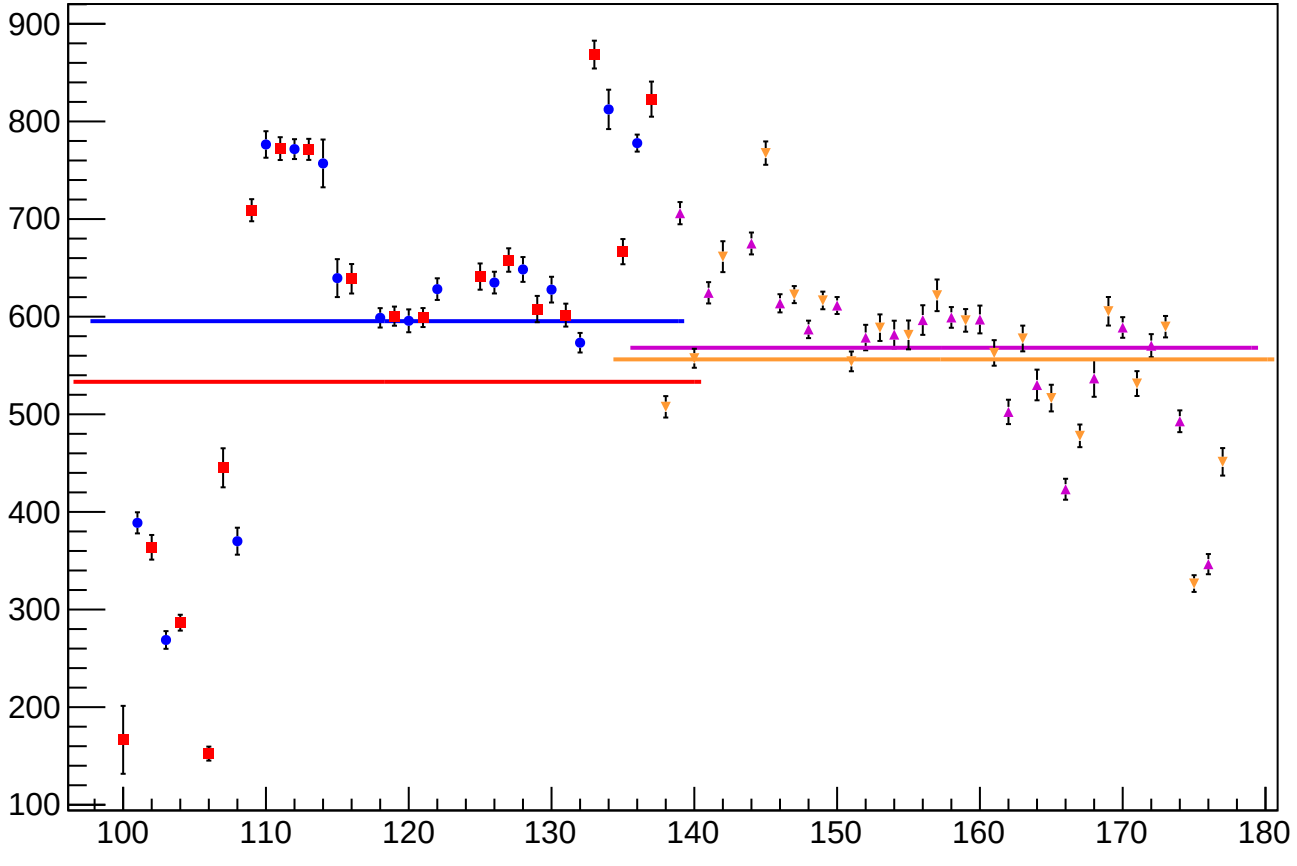
Right: 18.845+/-1.838 χ^2/NDF: 284.1/33

In: 14.476+/-1.528 χ^2/NDF:425.6/34

Out: 16.477+/-1.482 χ^2/NDF:549.5/37

All: 15.507+/-1.064 χ^2/NDF: 976.1/72

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: 556.257+/-2.595 χ^2/NDF:1370.6/19

Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 568.156+/-2.618 χ^2/NDF:1062.7/18

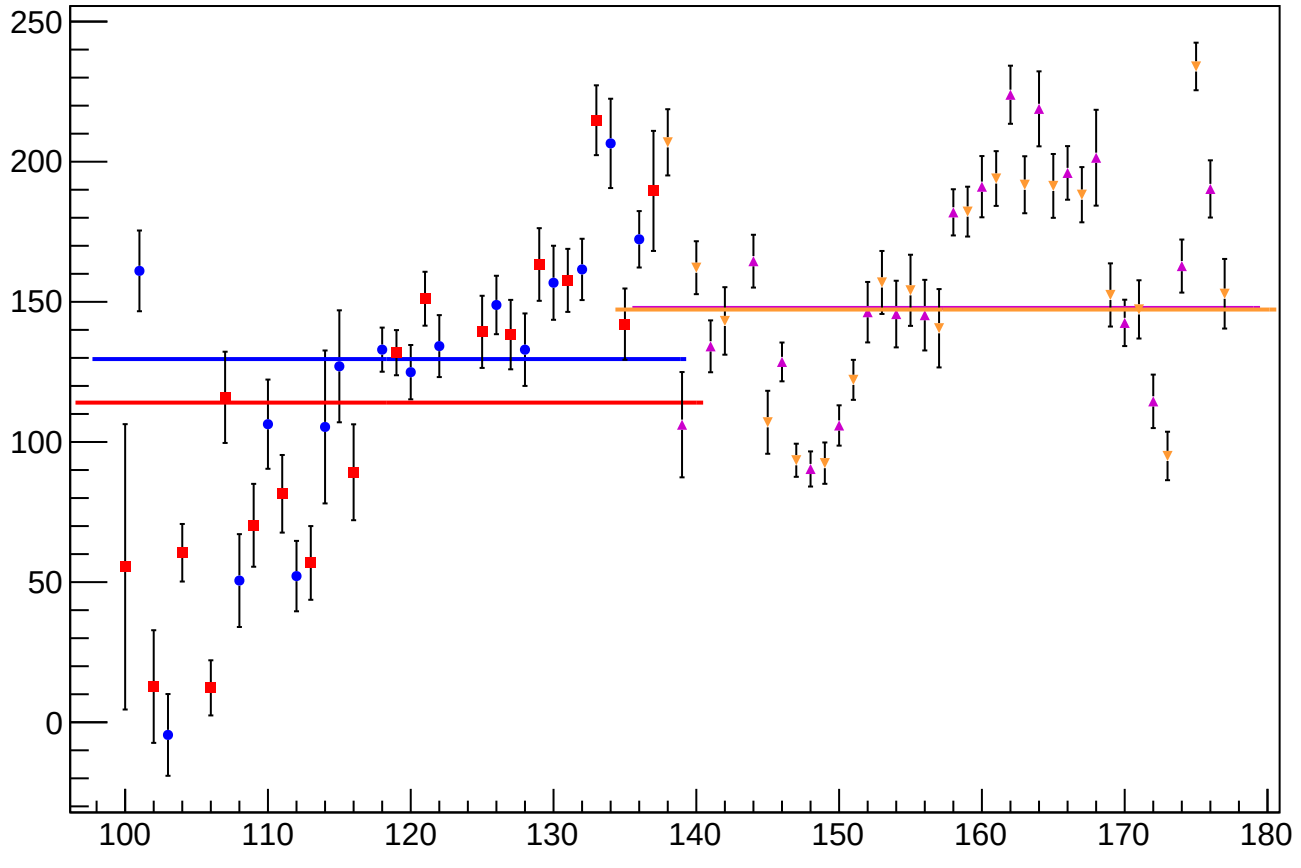
Left: 562.154+/-1.843 χ^2/NDF: 2443.7/38

Right: 562.337+/-2.003 χ^2/NDF: 9802.0/33

In: 580.258+/-1.952 χ^2/NDF:4170.5/34

Out: 545.418+/-1.886 χ^2/NDF:7910.4/37

All: 562.238+/-1.357 χ^2/NDF: 12245.6/72



Right In: 129.586+/-3.081 χ^2/NDF: 211.2/15

Left Out: 147.254+/-2.128 χ^2/NDF:423.8/19

Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 147.825+/-2.171 χ^2/NDF:318.5/18

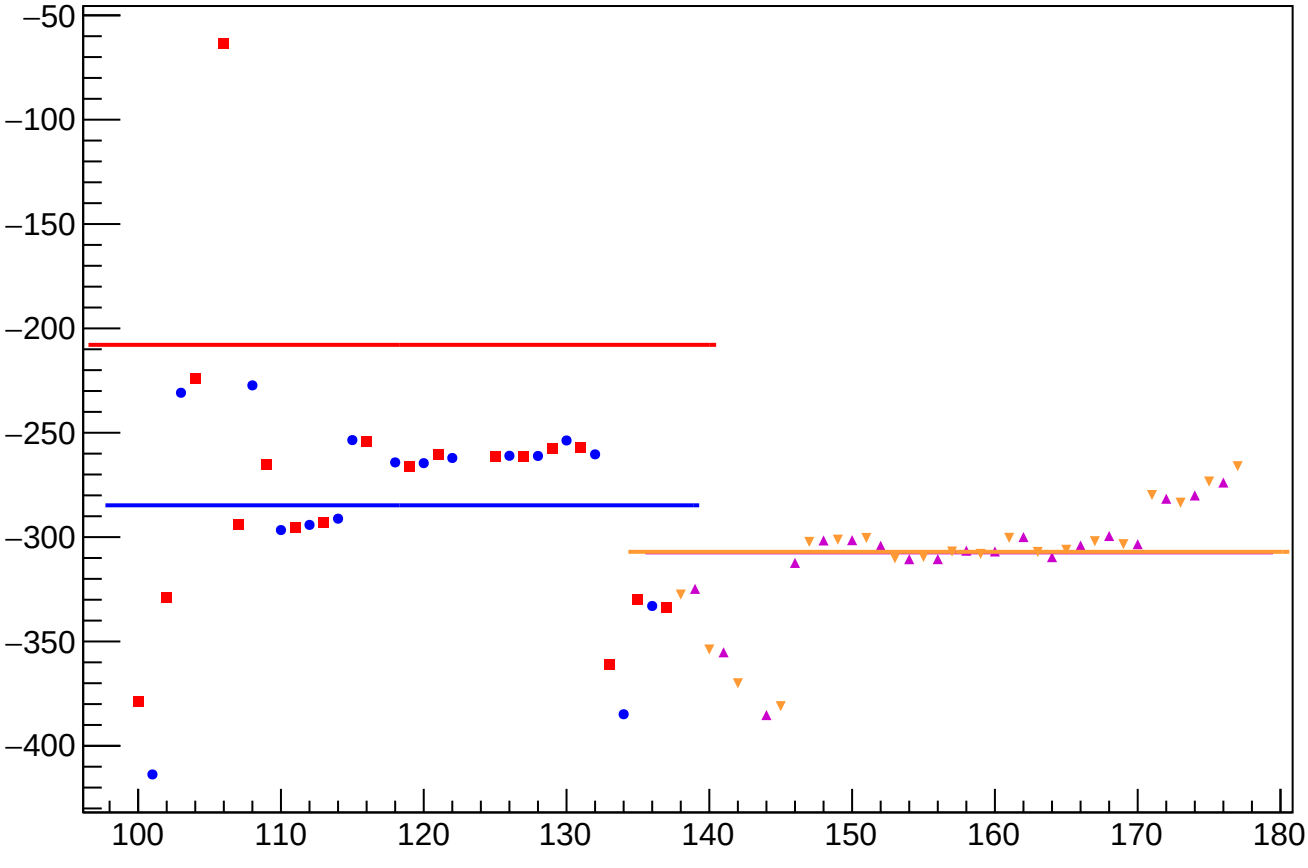
Left: 147.534+/-1.520 χ^2/NDF: 742.3/38

Right: 121.549+/-2.140 χ^2/NDF: 560.3/33

In: 141.772+/-1.775 χ^2/NDF:553.2/34

Out: 136.019+/-1.731 χ^2/NDF:842.1/37

All: 138.824+/-1.239 χ^2/NDF: 1400.6/72



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -307.039+/-0.100 χ^2/NDF:69805.5/19

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

Left In: -307.306+/-0.099 χ^2/NDF:53376.7/18

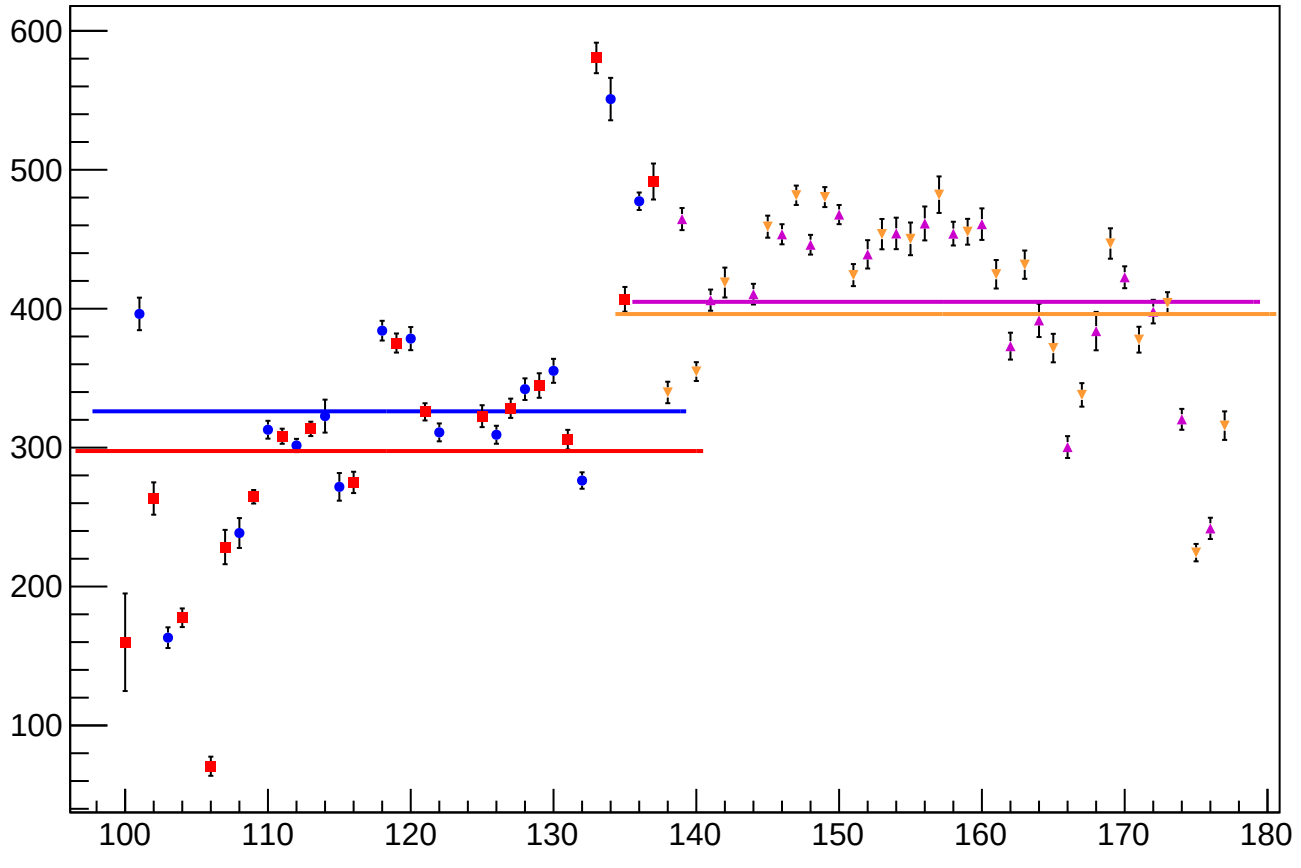
Left: -307.173+/-0.070 χ^2/NDF: 123185.7/38

Right: -239.608+/-0.114 χ^2/NDF: 751214.9/33

In: -301.942+/-0.087 χ^2/NDF:170029.1/34

Out: -276.165+/-0.083 χ^2/NDF:912192.6/37

All: -288.513+/-0.060 χ^2/NDF: 1128369.9/72



Right In: 326.133+/-1.857 χ^2/NDF: 1642.9/15

Left Out: 396.154+/-1.939 χ^2/NDF:1504.1/19

Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 404.936+/-1.960 χ^2/NDF:1104.2/18

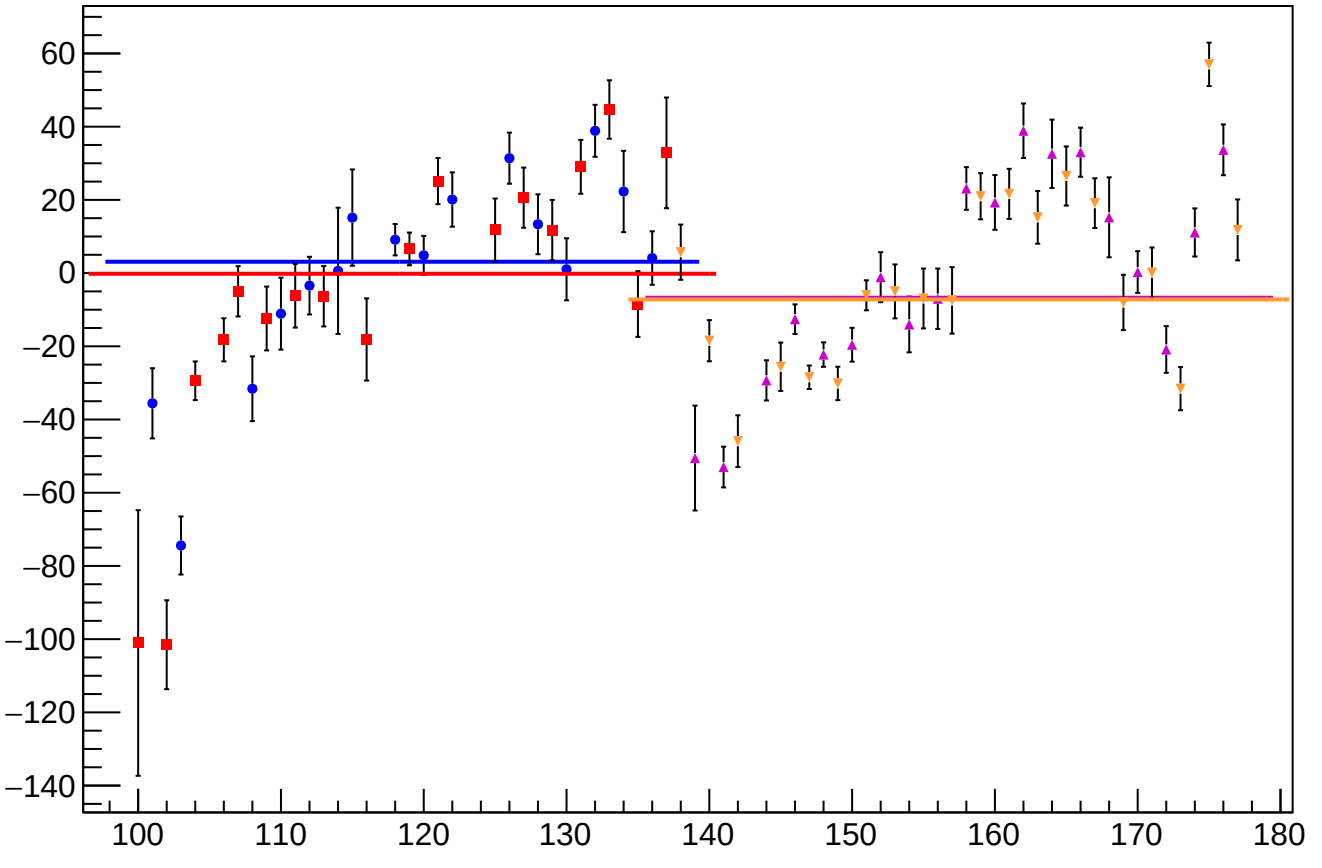
Left: 400.498+/-1.378 χ^2/NDF: 2618.4/38

Right: 310.864+/-1.268 χ^2/NDF: 4545.0/33

In: 363.407+/-1.348 χ^2/NDF:3599.1/34

Out: 341.377+/-1.293 χ^2/NDF:5716.3/37

All: 351.932+/-0.933 χ^2/NDF: 9454.5/72



Right In: 3.101+/-1.892 χ^2/NDF: 184.5/15

Left Out: -7.198+/-1.341 χ^2/NDF:335.4/19

Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -6.735+/-1.376 χ^2/NDF:308.9/18

Left: -6.972+/-0.960 χ^2/NDF: 644.4/38

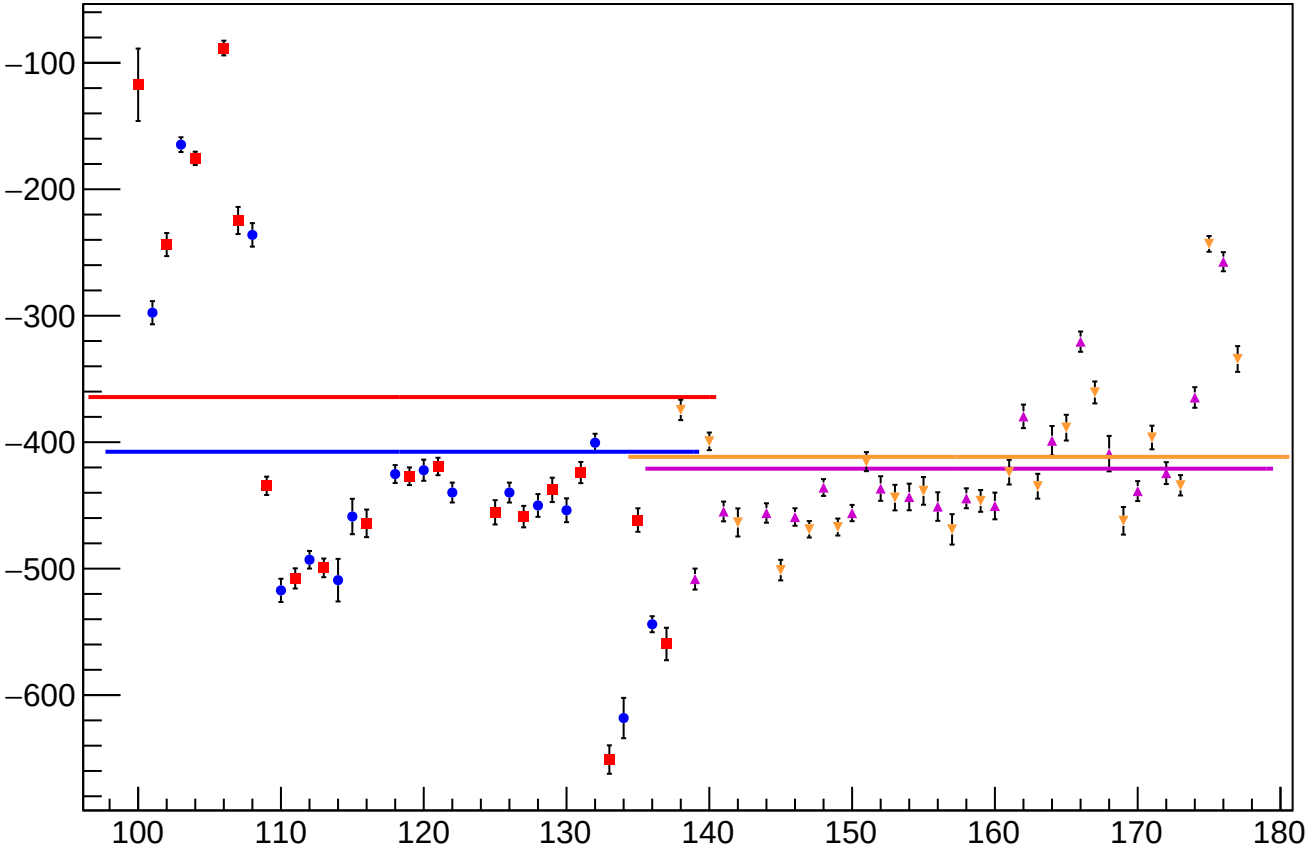
Right: 1.370+/-1.301 χ^2/NDF: 391.3/33

In: -3.333+/-1.113 χ^2/NDF:511.1/34

Out: -4.676+/-1.074 χ^2/NDF:550.4/37

All: -4.029+/-0.773 χ^2/NDF: 1062.3/72

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

Left Out: -411.622+/-1.905 χ^2/NDF:1233.6/19

Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -420.954+/-1.926 χ^2/NDF:949.7/18

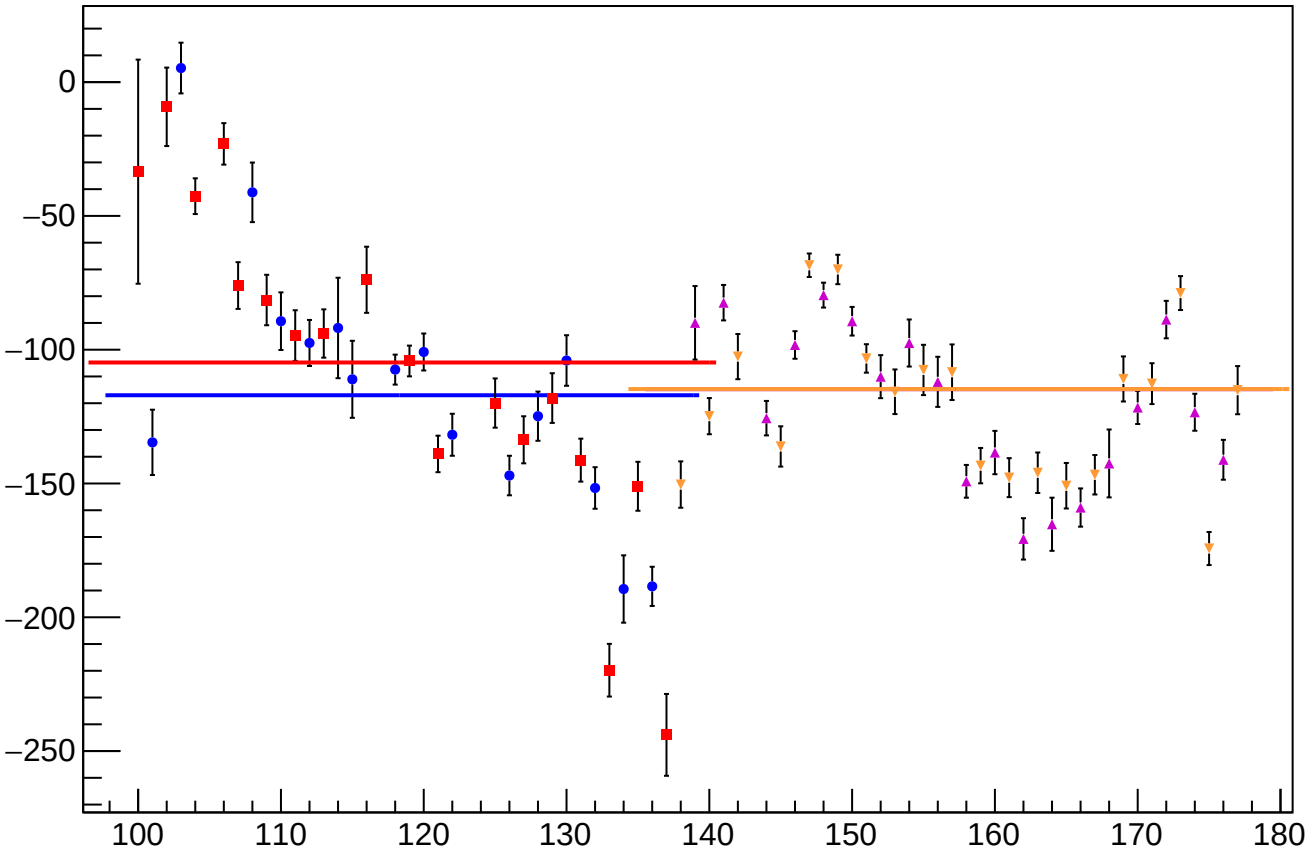
Left: -416.238+/-1.354 χ^2/NDF: 2195.2/38

Right: -384.535+/-1.418 χ^2/NDF: 9732.7/33

In: -414.760+/-1.411 χ^2/NDF:4252.6/34

Out: -388.432+/-1.360 χ^2/NDF:7756.2/37

All: -401.112+/-0.979 χ^2/NDF: 12189.3/72



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -114.711+/-1.565 χ^2/NDF:430.6/19

Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -114.764+/-1.599 χ^2/NDF:314.8/18

Left: -114.737+/-1.119 χ^2/NDF: 745.4/38

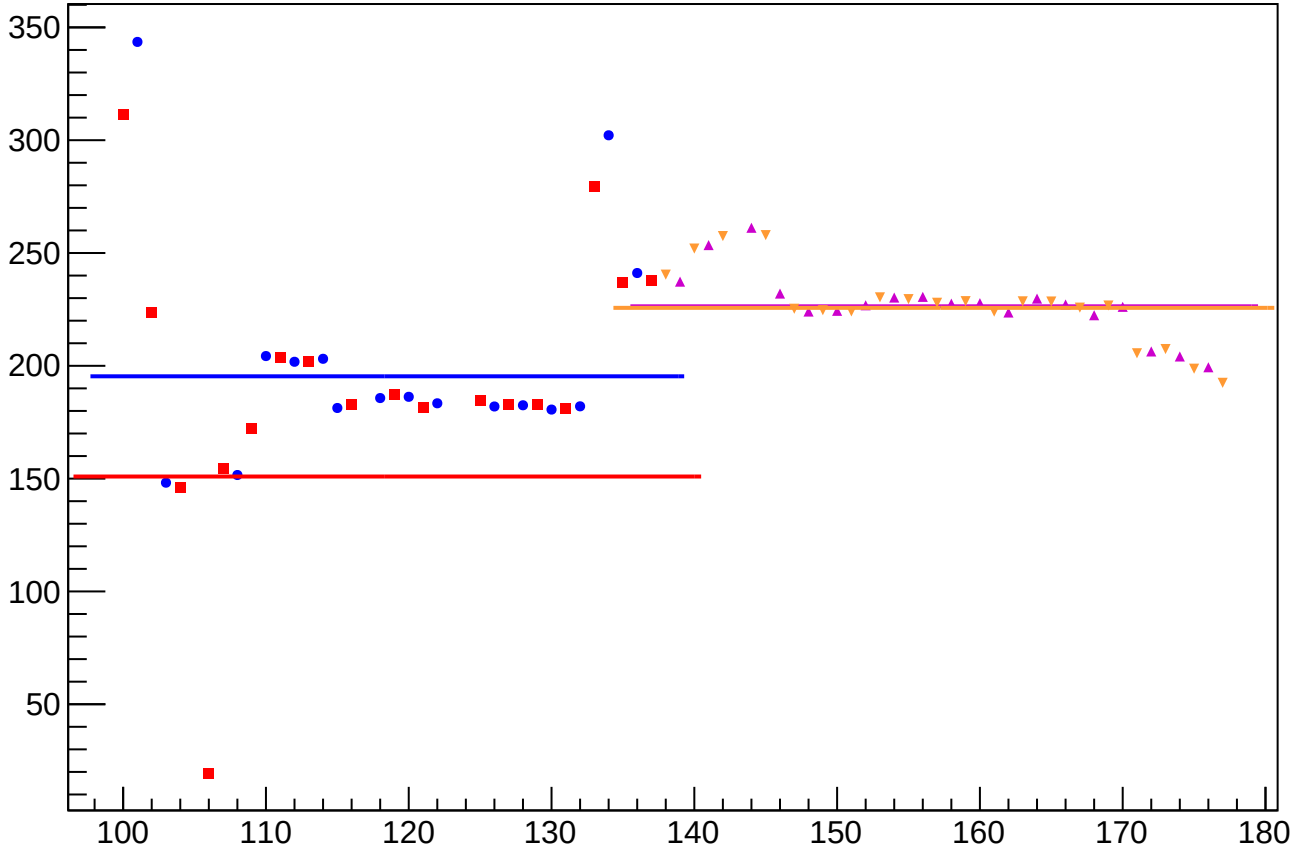
Right: -110.605+/-1.514 χ^2/NDF: 999.2/33

In: -115.547+/-1.292 χ^2/NDF:723.3/34

Out: -111.144+/-1.253 χ^2/NDF:1020.2/37

All: -113.277+/-0.900 χ^2/NDF: 1749.4/72

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: 225.691+/-0.074 χ^2/NDF:49456.4/19

Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 226.379+/-0.073 χ^2/NDF:37444.6/18

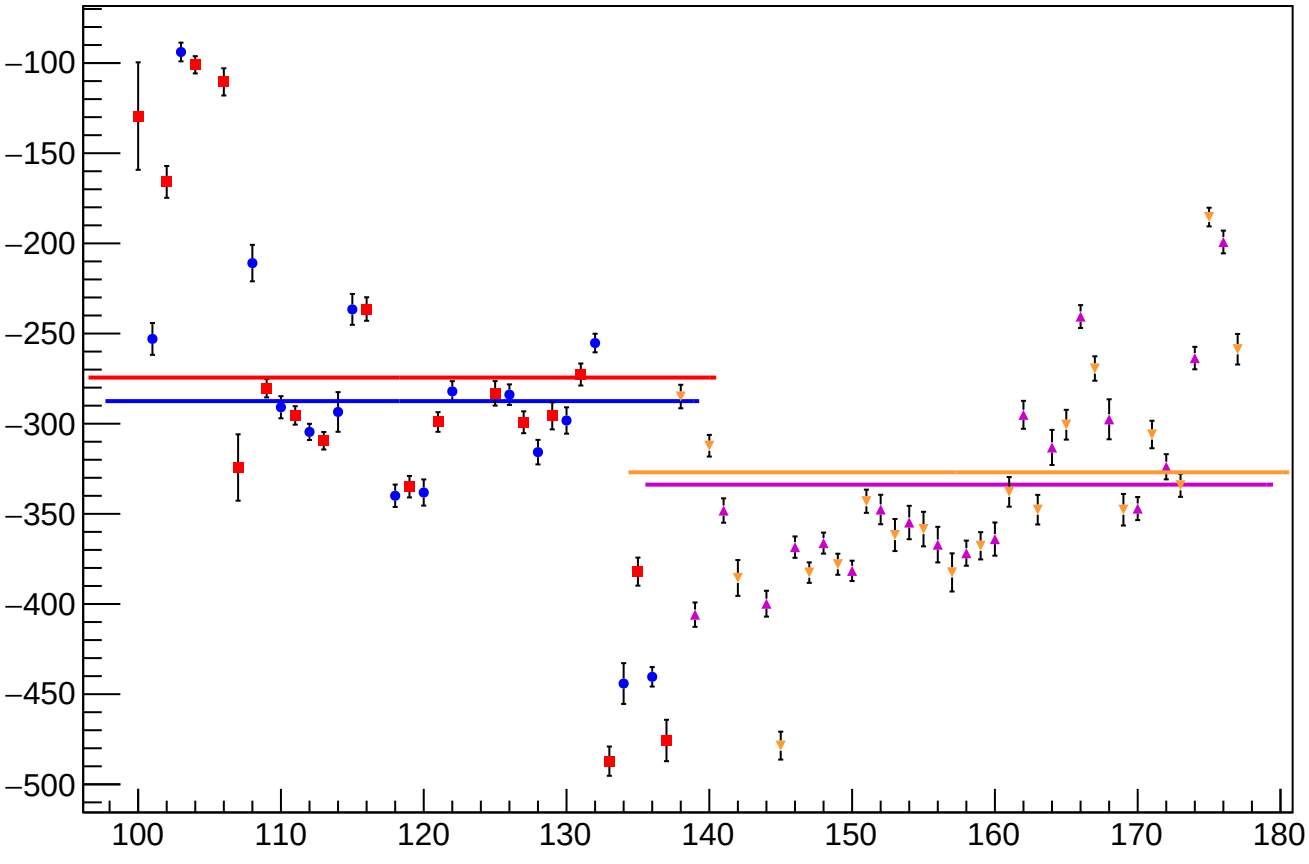
Left: 226.037+/-0.052 χ^2/NDF: 86945.0/38

Right: 170.416+/-0.083 χ^2/NDF: 747517.5/33

In: 218.443+/-0.063 χ^2/NDF:260548.5/34

Out: 202.640+/-0.061 χ^2/NDF:867180.2/37

All: 210.305+/-0.044 χ^2/NDF: 1160099.5/72



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -326.957+/-1.613 χ^2/NDF:1644.4/19

Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -333.794+/-1.627 χ^2/NDF:1244.9/18

Left: -330.346+/-1.145 χ^2/NDF: 2898.2/38

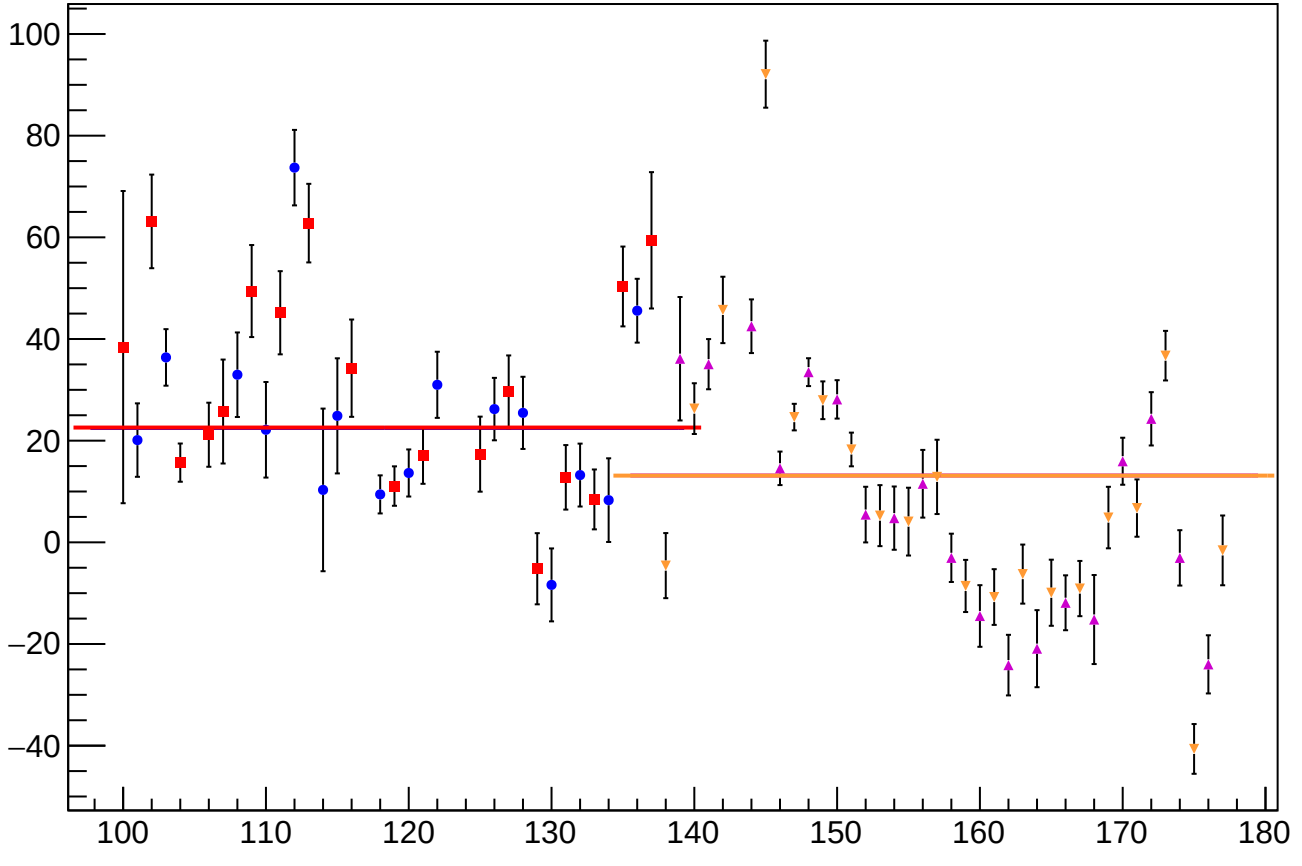
Right: -280.699+/-1.118 χ^2/NDF: 6144.0/33

In: -310.413+/-1.145 χ^2/NDF:4350.6/34

Out: -299.661+/-1.118 χ^2/NDF:5608.9/37

All: -304.911+/-0.800 χ^2/NDF: 10004.7/72

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.492+/-1.621 χ^2/NDF: 111.4/15

Left Out: 13.124+/-1.110 χ^2/NDF:453.5/19

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

Left In: 13.145+/-1.138 χ^2/NDF:308.6/18

Left: 13.134+/-0.794 χ^2/NDF: 762.1/38

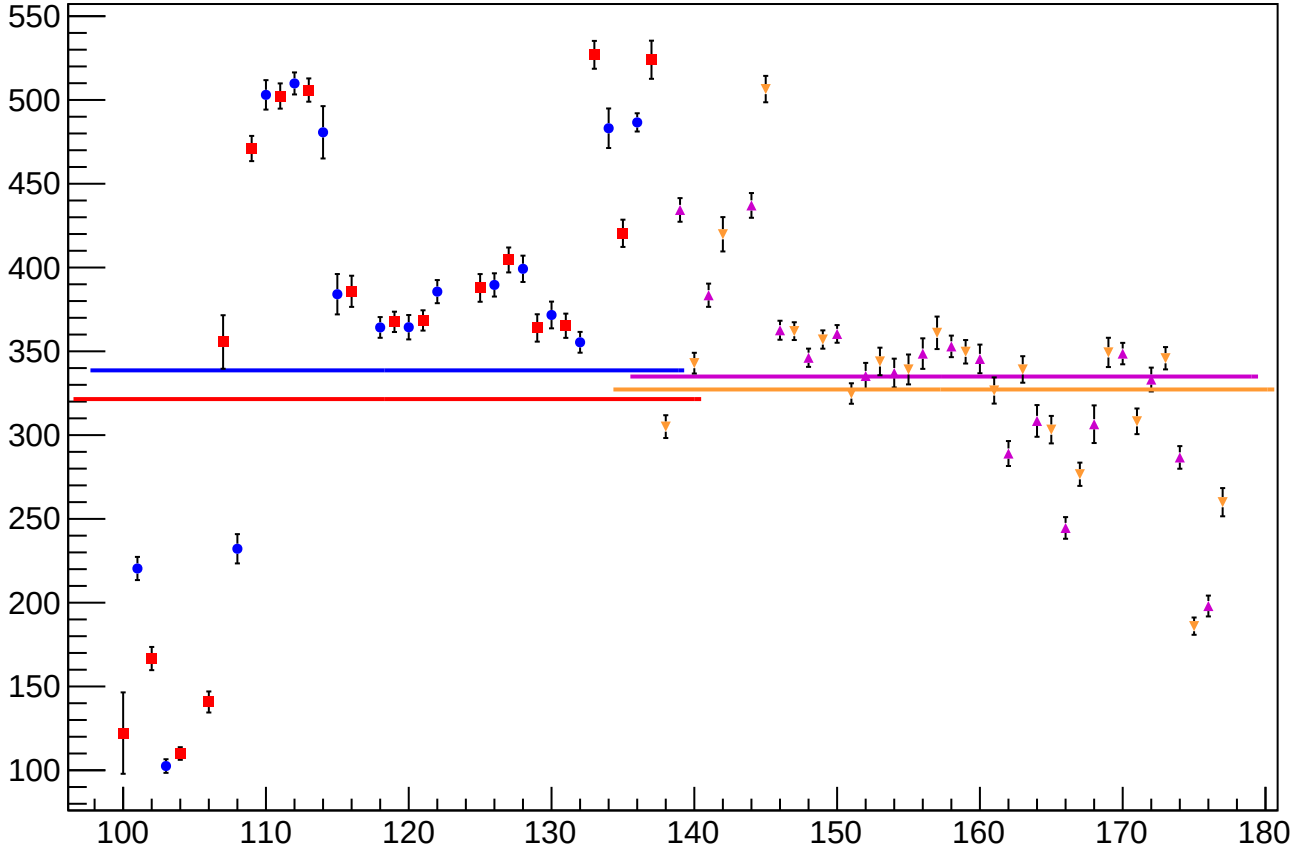
Right: 22.537+/-1.128 χ^2/NDF: 234.8/33

In: 16.231+/-0.931 χ^2/NDF:442.3/34

Out: 16.274+/-0.906 χ^2/NDF:601.0/37

All: 16.253+/-0.649 χ^2/NDF: 1043.4/72

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: 327.233+/-1.581 χ^2/NDF:1615.4/19

Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 334.955+/-1.595 χ^2/NDF:1289.7/18

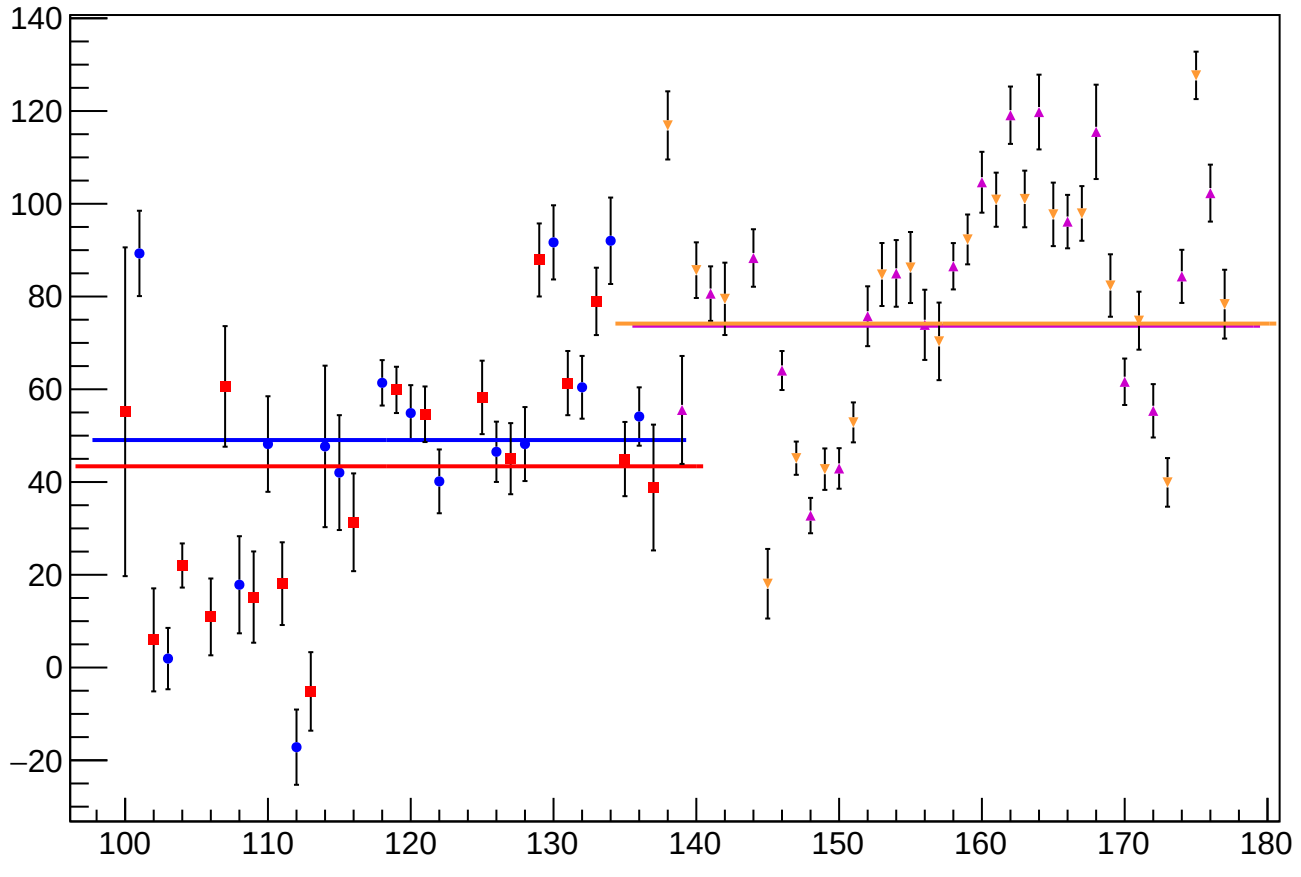
Left: 331.060+/-1.123 χ^2/NDF: 2916.9/38

Right: 329.797+/-1.217 χ^2/NDF: 13813.0/33

In: 336.626+/-1.178 χ^2/NDF:7334.7/34

Out: 324.564+/-1.156 χ^2/NDF:9342.3/37

All: 330.479+/-0.825 χ^2/NDF: 16730.5/72



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 74.165+/-1.295 χ^2/NDF:472.1/19

Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 73.706+/-1.322 χ^2/NDF:370.5/18

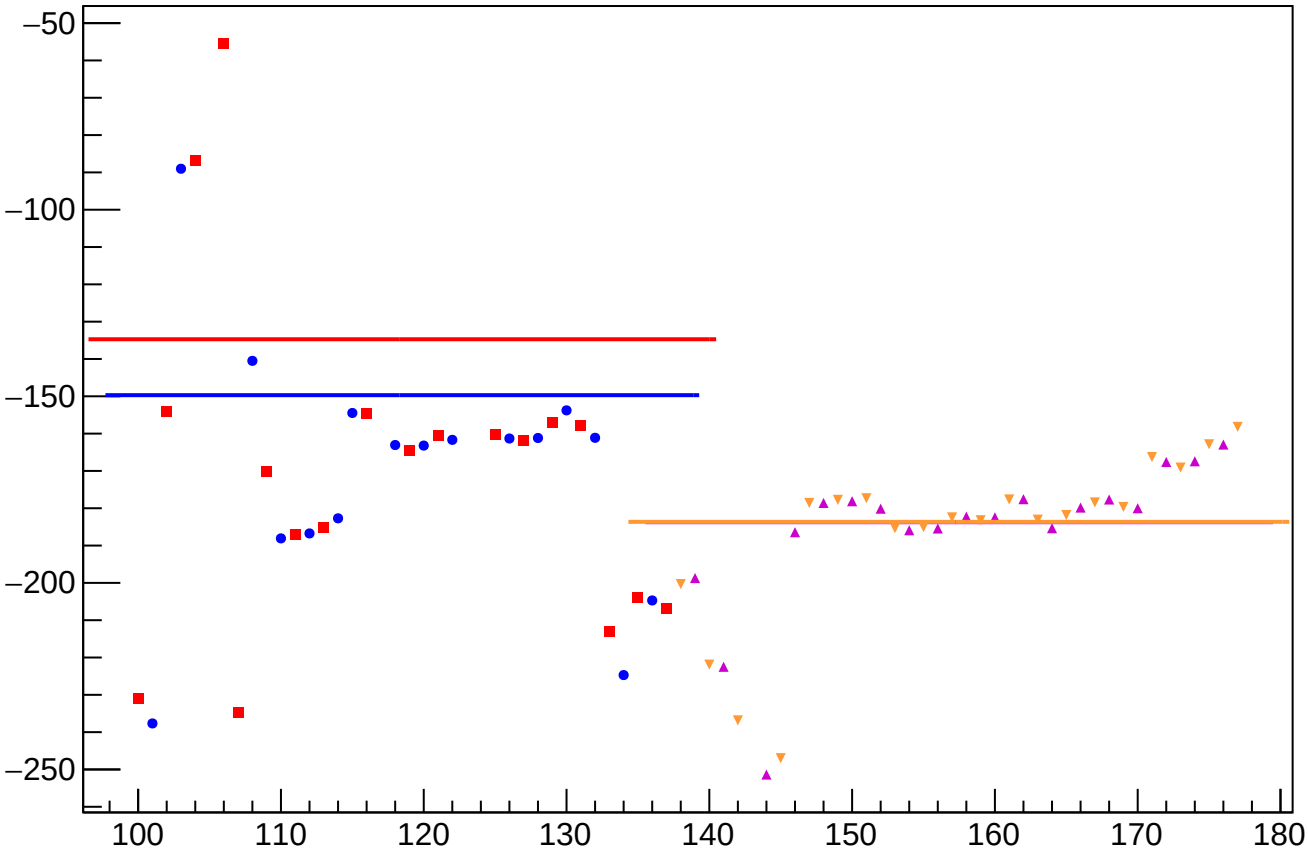
Left: 73.940+/-0.925 χ^2/NDF: 842.7/38

Right: 46.149+/-1.314 χ^2/NDF: 392.6/33

In: 65.566+/-1.082 χ^2/NDF:693.3/34

Out: 63.928+/-1.058 χ^2/NDF:840.0/37

All: 64.729+/-0.756 χ^2/NDF: 1534.6/72



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -183.643+/-0.061 χ^2/NDF:105839.4/19

Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -183.744+/-0.060 χ^2/NDF:81974.4/18

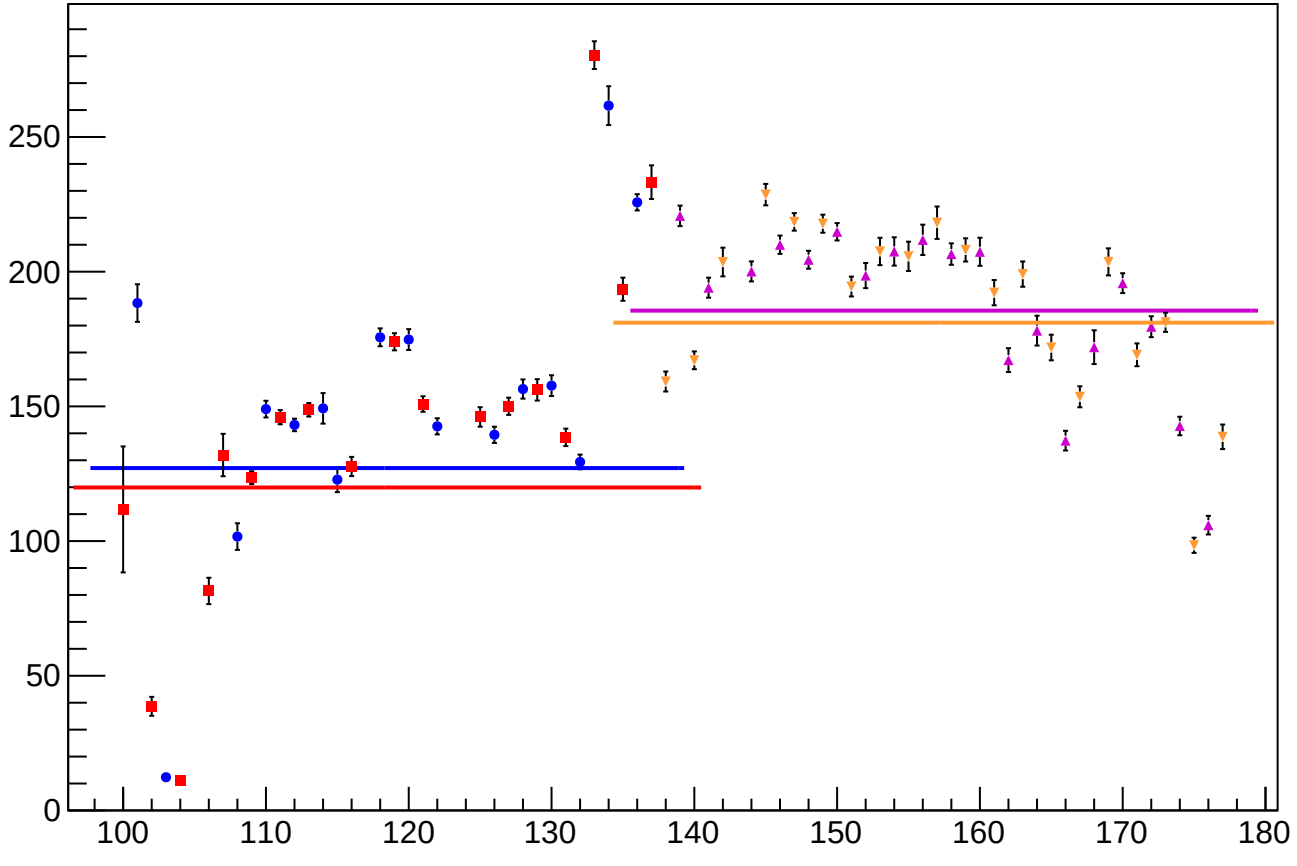
Left: -183.694+/-0.043 χ^2/NDF: 187815.2/38

Right: -141.917+/-0.070 χ^2/NDF: 580582.0/33

In: -174.768+/-0.052 χ^2/NDF:422417.4/34

Out: -169.829+/-0.052 χ^2/NDF:601096.1/37

All: -172.288+/-0.037 χ^2/NDF: 1028085.0/72



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 181.074+/-0.905 χ^2/NDF:1646.1/19

Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 185.546+/-0.915 χ^2/NDF:1259.3/18

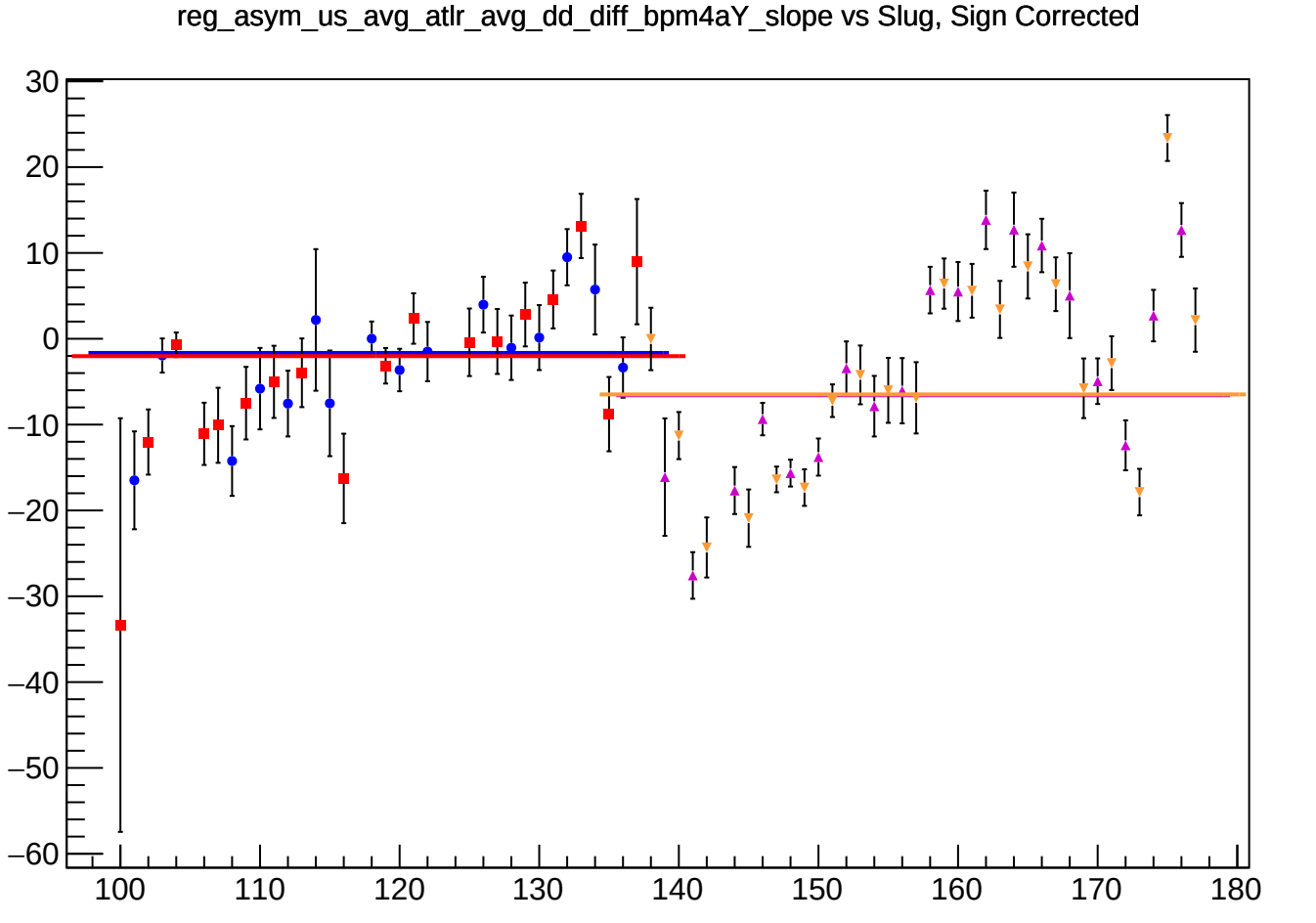
Left: 183.284+/-0.643 χ^2/NDF: 2917.4/38

Right: 123.326+/-0.560 χ^2/NDF: 12854.2/33

In: 152.796+/-0.607 χ^2/NDF:9707.0/34

Out: 145.753+/-0.588 χ^2/NDF:10936.1/37

All: 149.164+/-0.422 χ^2/NDF: 20712.6/72



Right In: -1.651+/-0.833 χ^2/NDF: 39.1/15

Left Out: -6.484+/-0.626 χ^2/NDF:346.6/19

Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -6.584+/-0.643 χ^2/NDF:303.6/18

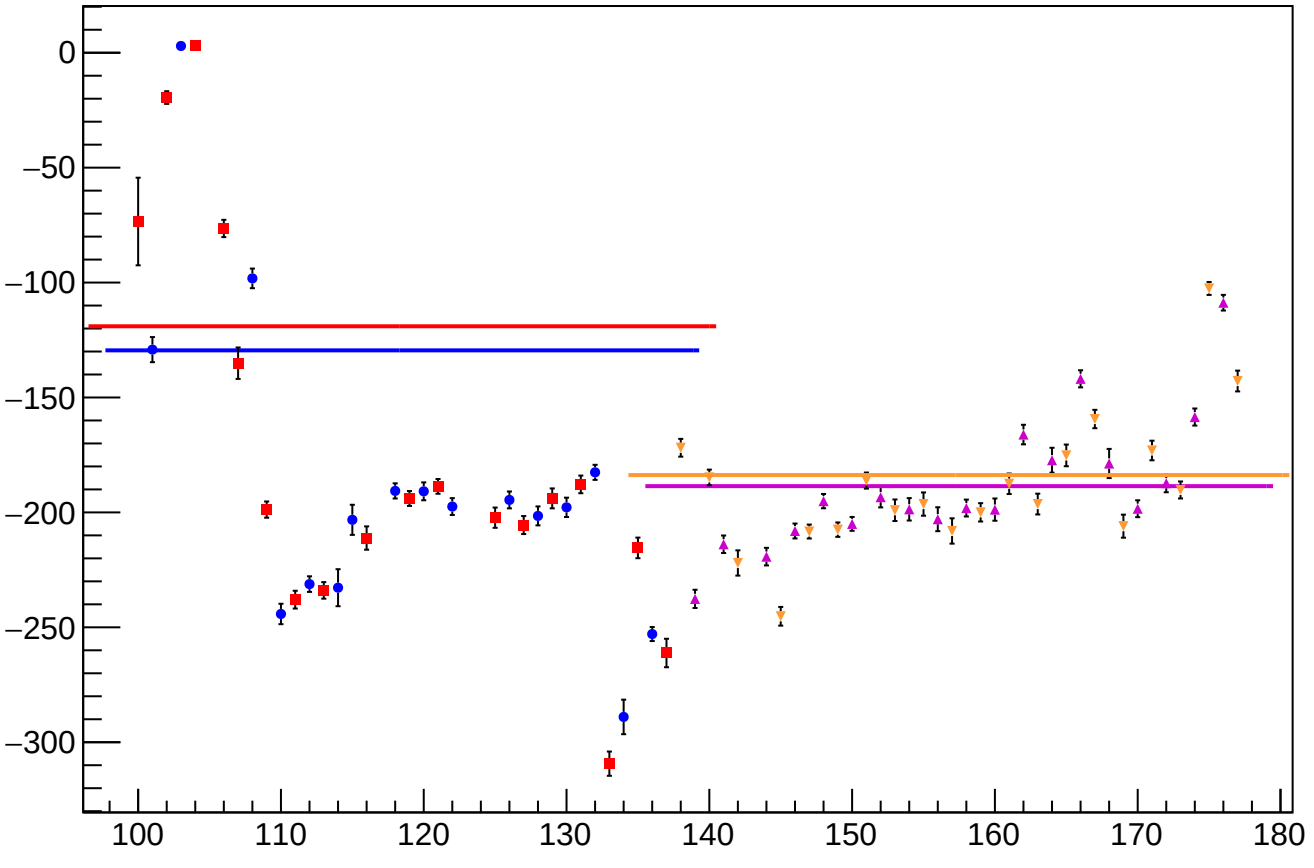
Left: -6.532+/-0.448 χ^2/NDF: 650.1/38

Right: -1.854+/-0.565 χ^2/NDF: 97.8/33

In: -4.742+/-0.509 χ^2/NDF:364.6/34

Out: -4.711+/-0.486 χ^2/NDF:425.3/37

All: -4.726+/-0.351 χ^2/NDF: 789.9/72



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -183.751+/-0.888 χ^2/NDF:1451.4/19

Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -188.574+/-0.899 χ^2/NDF:1167.1/18

Left: -186.133+/-0.632 χ^2/NDF: 2633.0/38

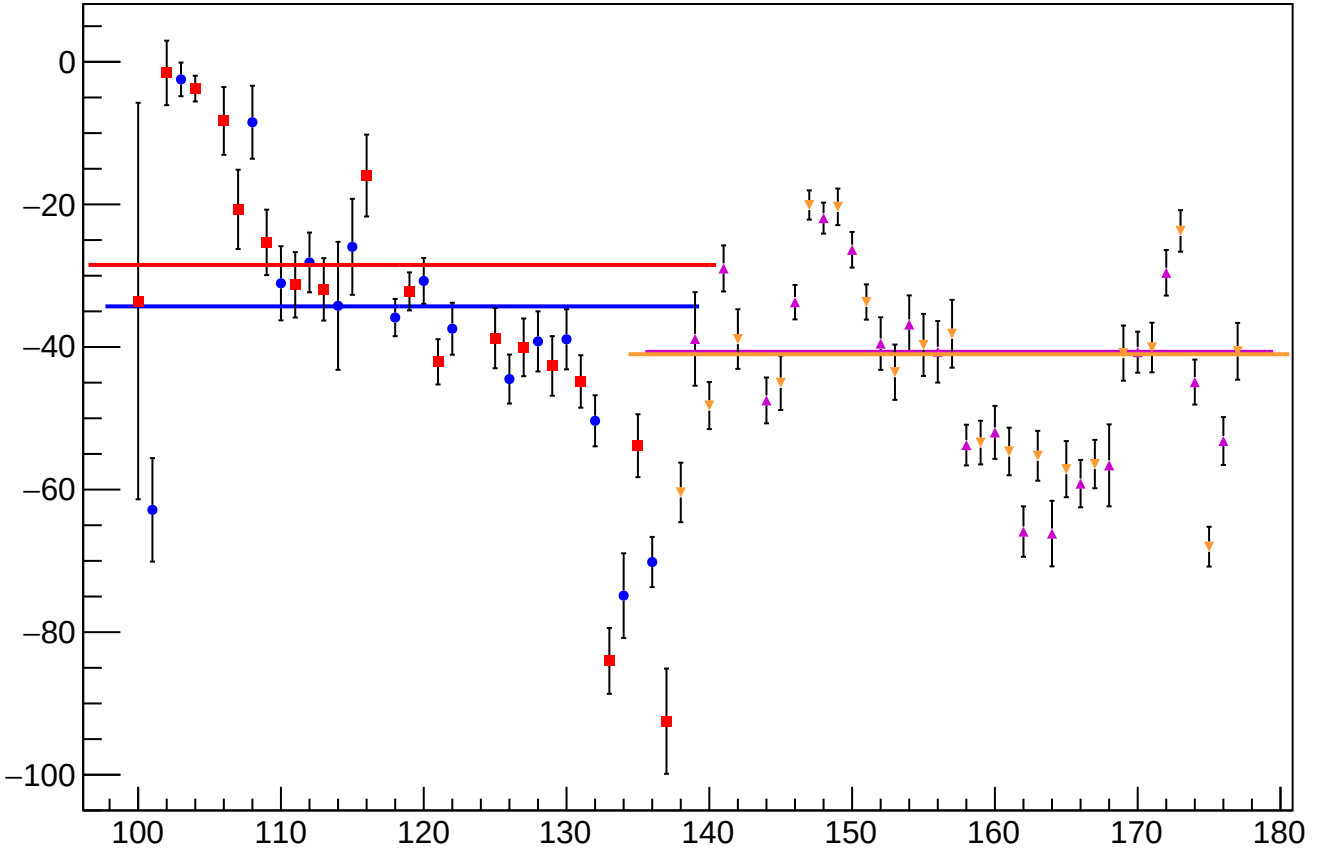
Right: -124.047+/-0.586 χ^2/NDF: 30944.8/33

In: -157.261+/-0.616 χ^2/NDF:18144.6/34

Out: -148.530+/-0.600 χ^2/NDF:20519.9/37

All: -152.776+/-0.430 χ^2/NDF: 38767.6/72

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -41.010+/-0.729 χ^2/NDF:422.1/19

Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -40.679+/-0.746 χ^2/NDF:312.2/18

Left: -40.848+/-0.522 χ^2/NDF: 734.4/38

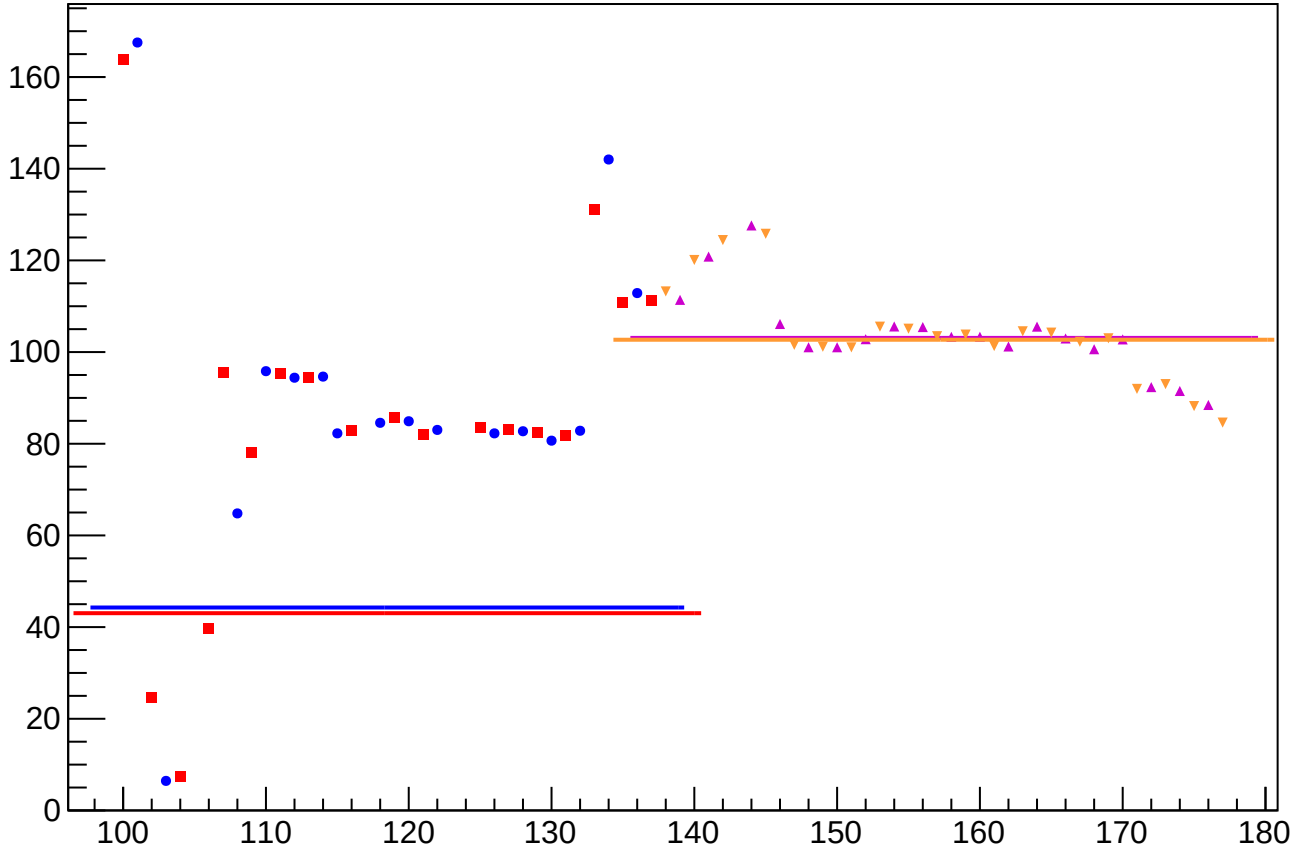
Right: -31.206+/-0.662 χ^2/NDF: 998.5/33

In: -38.301+/-0.591 χ^2/NDF:750.7/34

Out: -36.092+/-0.568 χ^2/NDF:1105.9/37

All: -37.154+/-0.410 χ^2/NDF: 1863.9/72

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: 102.690+/-0.034 χ^2/NDF:84031.9/19

Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 103.091+/-0.034 χ^2/NDF:63010.7/18

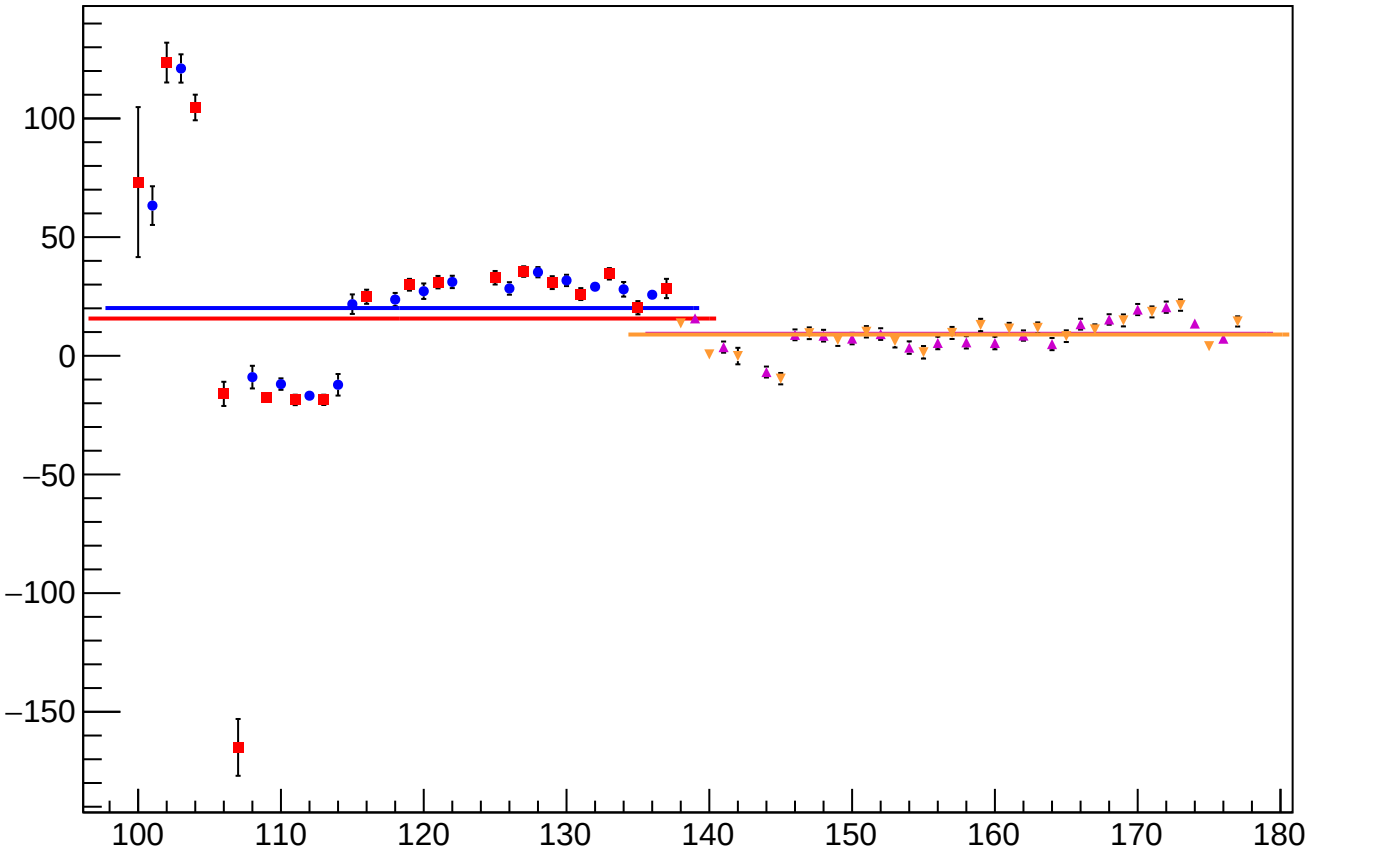
Left: 102.891+/-0.024 χ^2/NDF: 147111.6/38

Right: 43.656+/-0.032 χ^2/NDF: 1890570.2/33

In: 81.655+/-0.027 χ^2/NDF:2236656.7/34

Out: 80.860+/-0.027 χ^2/NDF:2001672.2/37

All: 81.259+/-0.019 χ^2/NDF: 4238756.1/72



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 8.964+/-0.525 χ^2/NDF:169.3/19

Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 9.278+/-0.535 χ^2/NDF:136.9/18

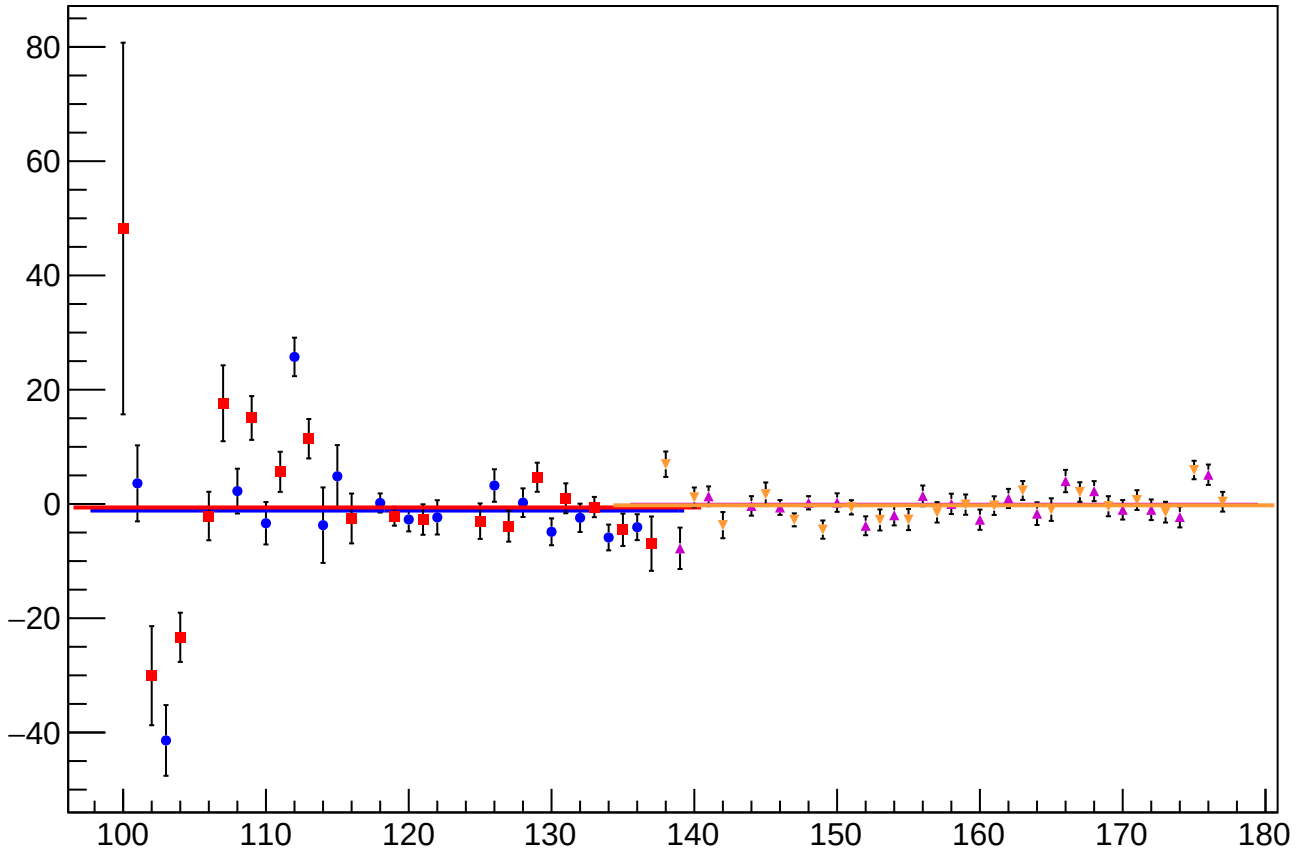
Left: 9.118+/-0.375 χ^2/NDF: 306.4/38

Right: 17.893+/-0.484 χ^2/NDF: 2842.7/33

In: 13.370+/-0.422 χ^2/NDF:1340.0/34

Out: 11.472+/-0.416 χ^2/NDF:2004.4/37

All: 12.408+/-0.296 χ^2/NDF: 3354.6/72



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: -0.234+/-0.378 χ^2/NDF:50.6/19

Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: -0.136+/-0.391 χ^2/NDF:32.3/18

Left: -0.187+/-0.272 χ^2/NDF: 82.9/38

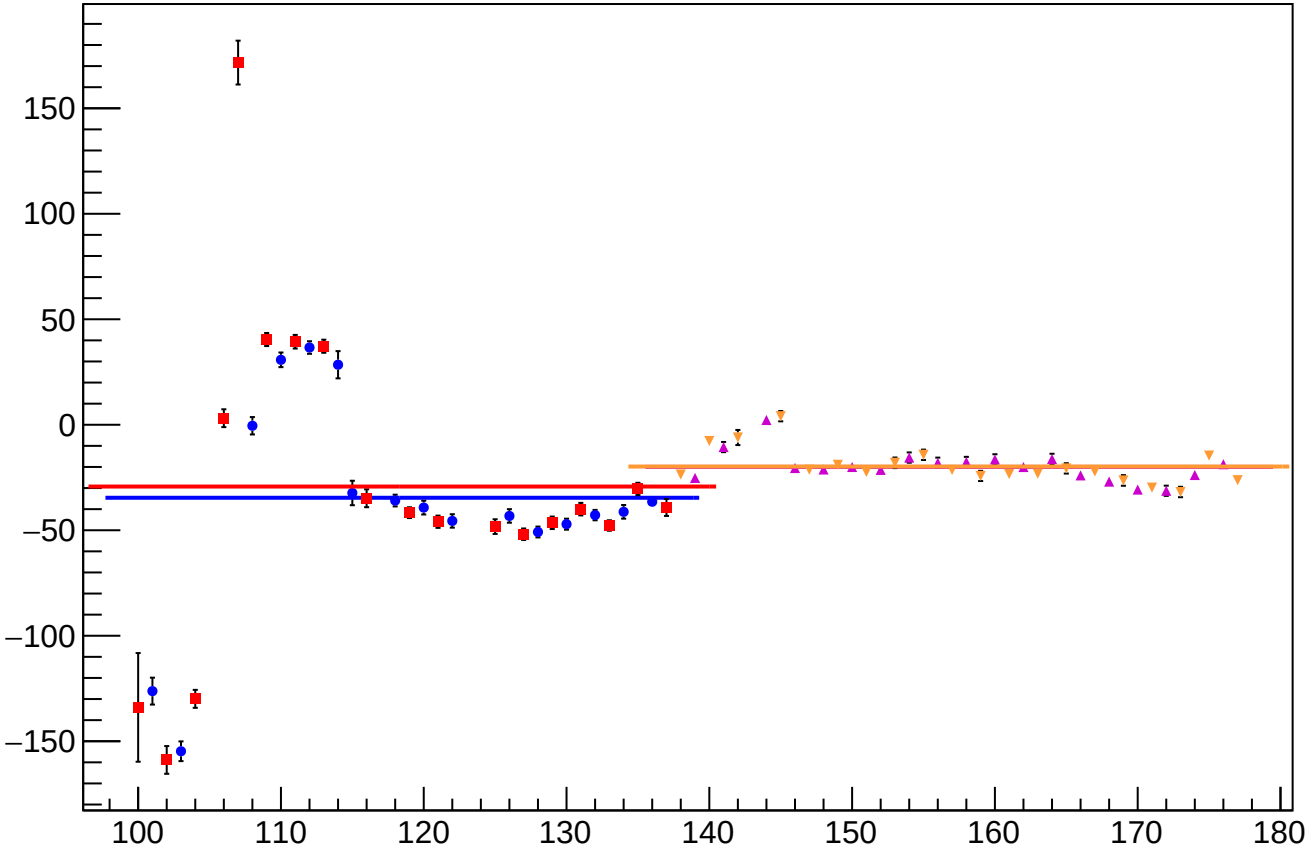
Right: -0.888+/-0.499 χ^2/NDF: 215.5/33

In: -0.378+/-0.341 χ^2/NDF:155.7/34

Out: -0.317+/-0.334 χ^2/NDF:144.2/37

All: -0.347+/-0.239 χ^2/NDF: 300.0/72

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: -19.800+/-0.516 χ^2/NDF:230.6/19

Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -19.980+/-0.526 χ^2/NDF:177.6/18

Left: -19.888+/-0.368 χ^2/NDF: 408.3/38

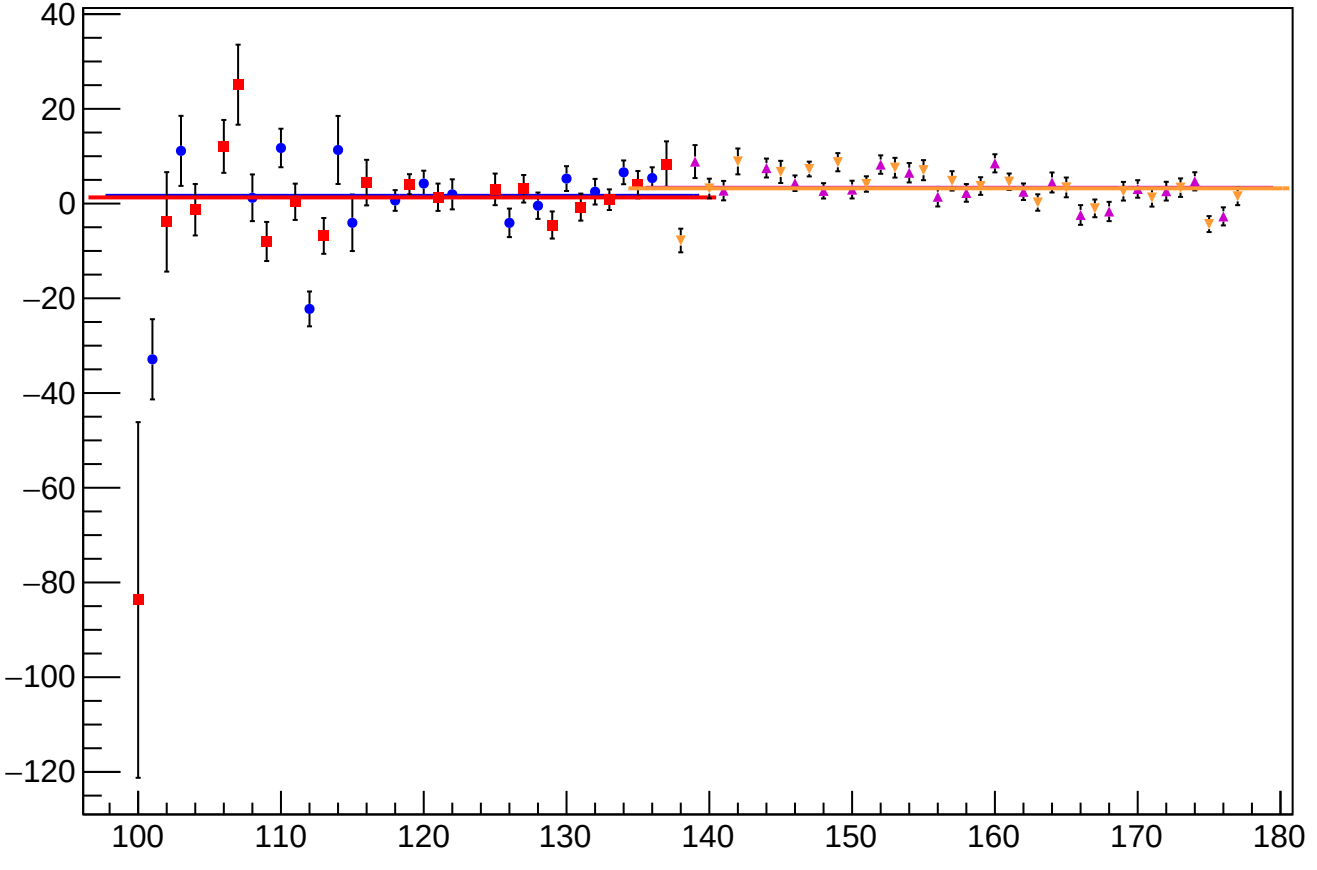
Right: -31.983+/-0.561 χ^2/NDF: 5162.0/33

In: -24.504+/-0.437 χ^2/NDF:2474.8/34

Out: -22.584+/-0.434 χ^2/NDF:3410.8/37

All: -23.536+/-0.308 χ^2/NDF: 5895.3/72

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 3.218+/-0.432 χ^2/NDF:80.6/19

Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 3.328+/-0.446 χ^2/NDF:49.5/18

Left: 3.271+/-0.310 χ^2/NDF: 130.1/38

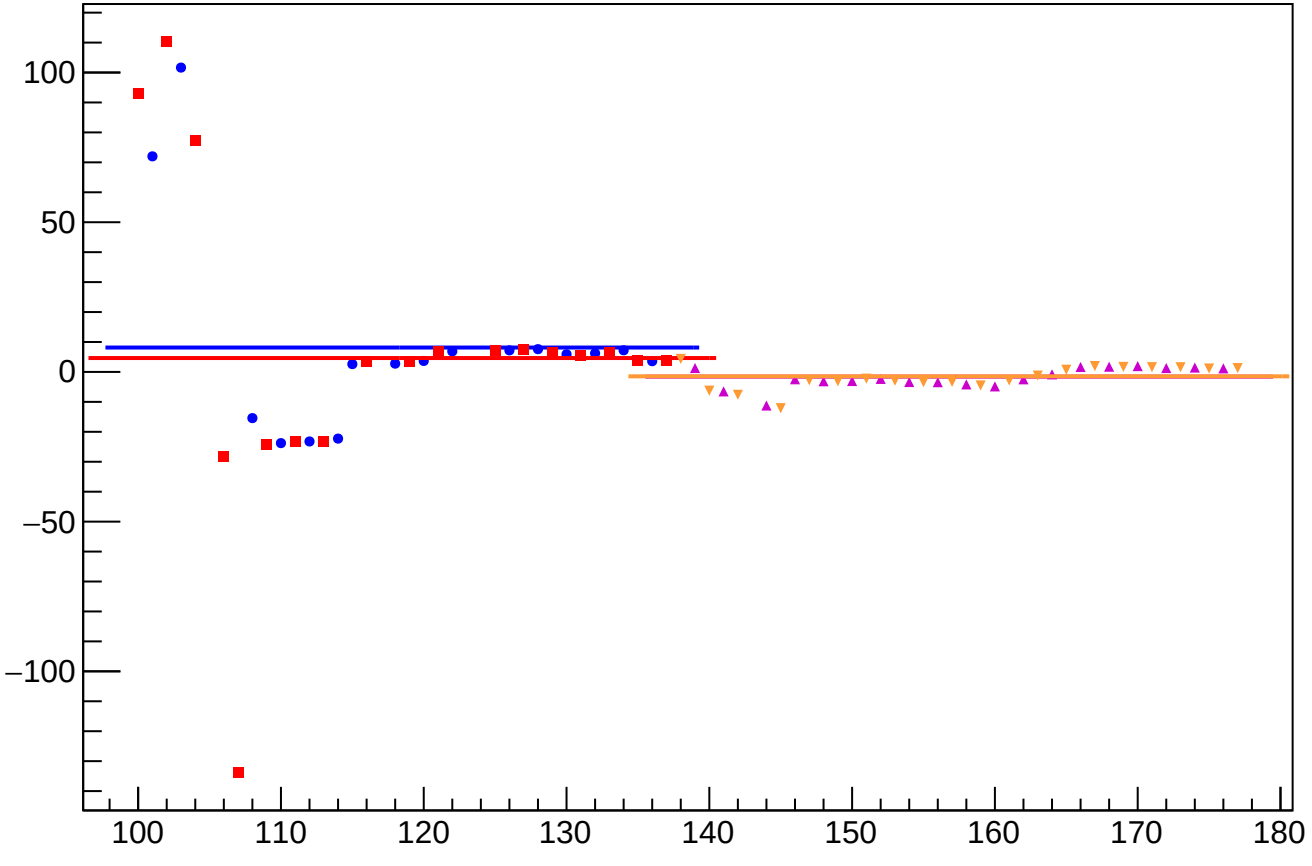
Right: 1.468+/-0.570 χ^2/NDF: 120.9/33

In: 2.923+/-0.389 χ^2/NDF:136.3/34

Out: 2.799+/-0.382 χ^2/NDF:122.4/37

All: 2.860+/-0.273 χ^2/NDF: 258.7/72

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -1.469+/-0.019 χ^2/NDF:33656.6/19

Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -1.574+/-0.019 χ^2/NDF:25420.2/18

Left: -1.521+/-0.014 χ^2/NDF: 59091.4/38

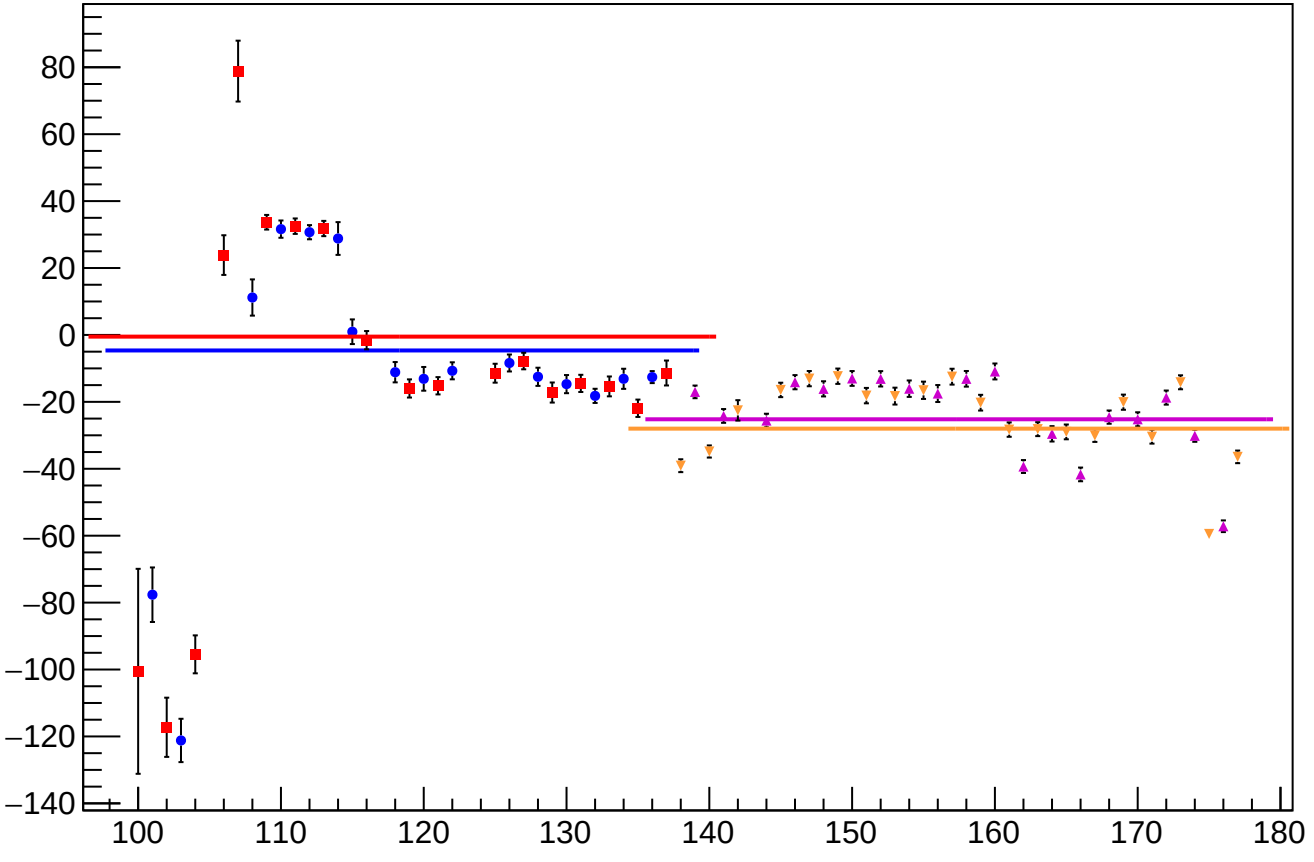
Right: 6.508+/-0.035 χ^2/NDF: 762611.1/33

In: -0.216+/-0.018 χ^2/NDF:373508.1/34

Out: -0.718+/-0.018 χ^2/NDF:492706.5/37

All: -0.466+/-0.013 χ^2/NDF: 866598.6/72

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: -28.005+/-0.474 χ^2/NDF:796.1/19

Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -25.209+/-0.483 χ^2/NDF:679.5/18

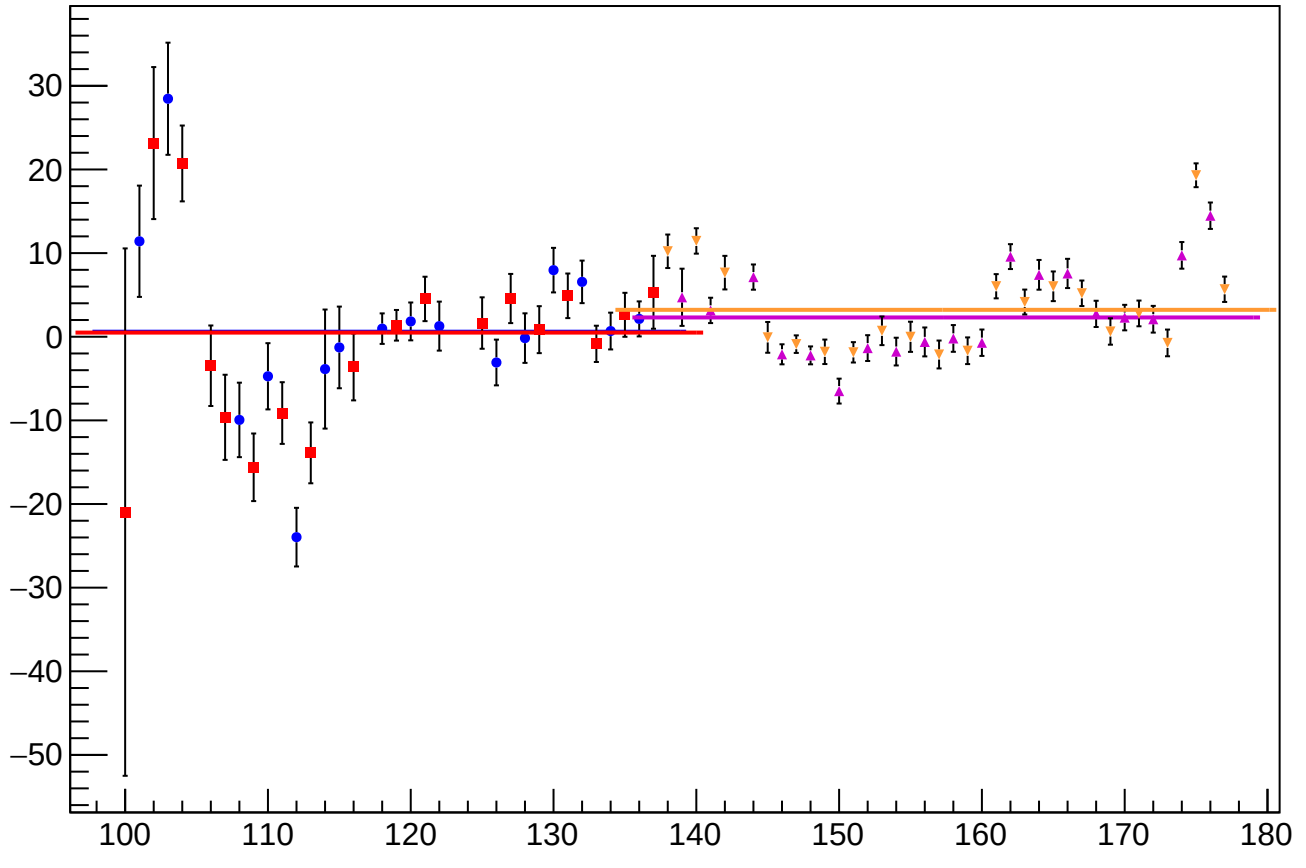
Left: -26.634+/-0.338 χ^2/NDF: 1492.6/38

Right: -2.571+/-0.503 χ^2/NDF: 2521.0/33

In: -18.716+/-0.400 χ^2/NDF:2297.6/34

Out: -19.536+/-0.394 χ^2/NDF:3289.6/37

All: -19.132+/-0.281 χ^2/NDF: 5589.4/72



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

Left Out: 3.218+/-0.343 χ^2/NDF:266.7/19

Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: 2.306+/-0.353 χ^2/NDF:220.5/18

Left: 2.775+/-0.246 χ^2/NDF: 490.7/38

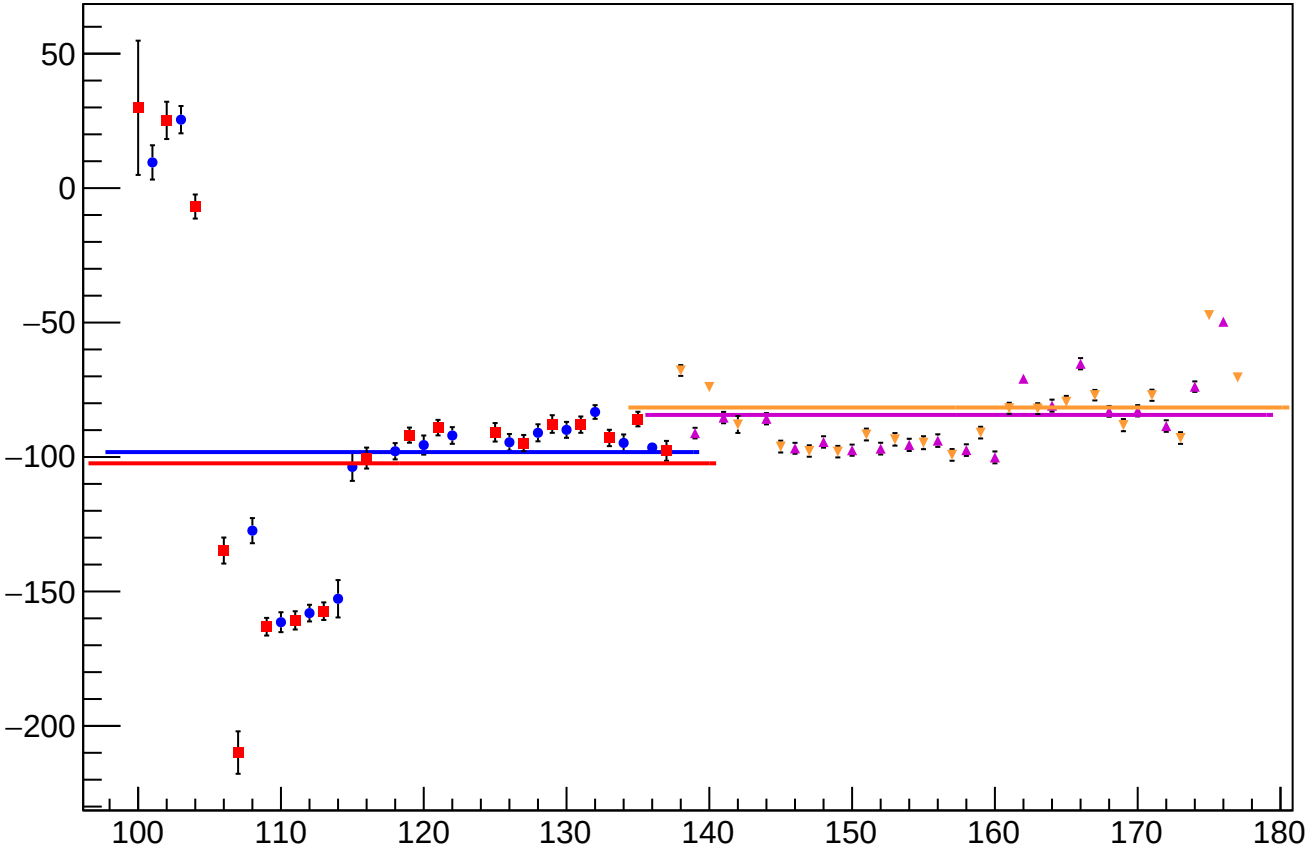
Right: 0.551+/-0.524 χ^2/NDF: 173.0/33

In: 1.980+/-0.318 χ^2/NDF:317.8/34

Out: 2.752+/-0.312 χ^2/NDF:357.6/37

All: 2.373+/-0.223 χ^2/NDF: 678.5/72

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -81.584+/-0.466 χ^2/NDF:999.6/19

Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -84.346+/-0.476 χ^2/NDF:848.0/18

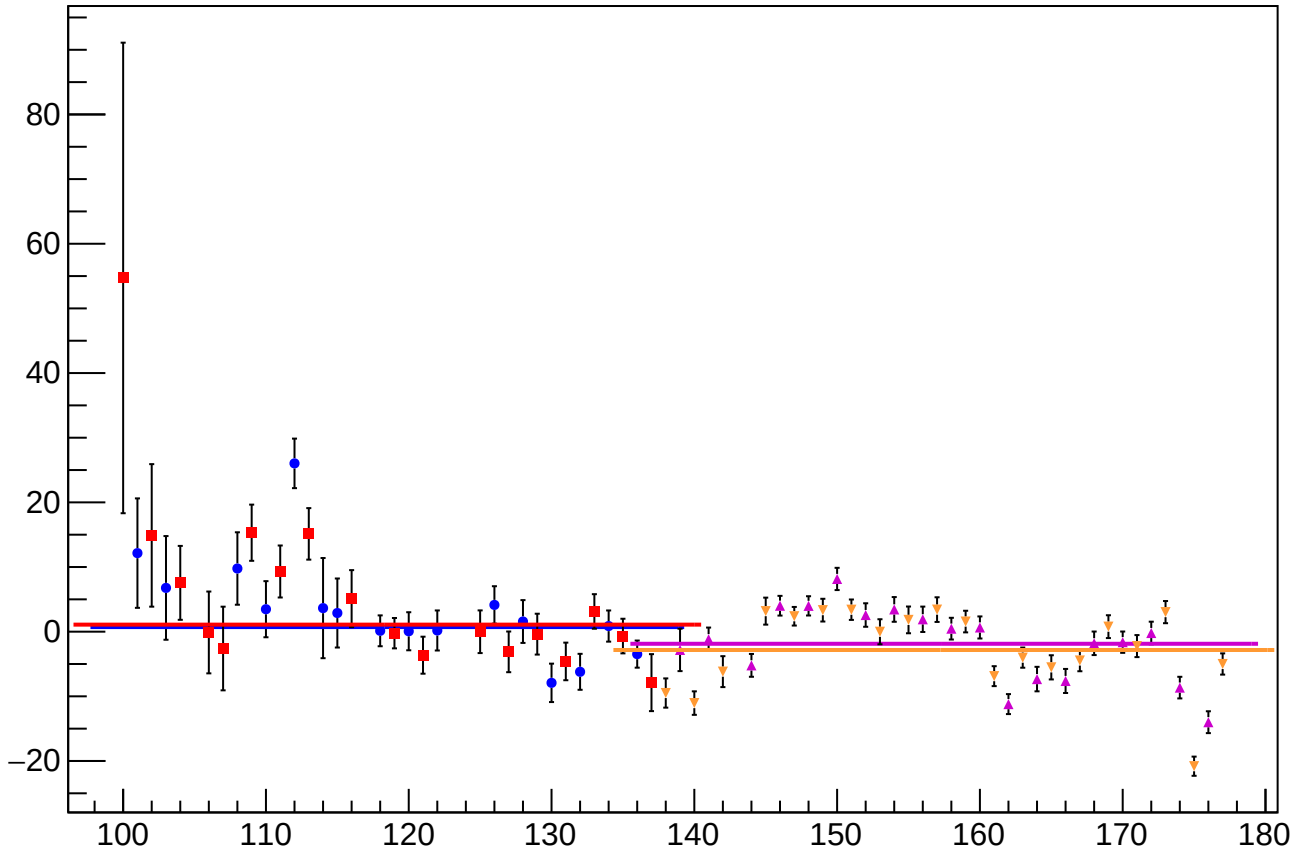
Left: -82.937+/-0.333 χ^2/NDF: 1864.8/38

Right: -100.197+/-0.583 χ^2/NDF: 3830.3/33

In: -87.875+/-0.411 χ^2/NDF:2763.4/34

Out: -86.505+/-0.407 χ^2/NDF:3586.8/37

All: -87.185+/-0.289 χ^2/NDF: 6355.7/72



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -2.835+/-0.391 χ^2/NDF:280.2/19

Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: -1.872+/-0.403 χ^2/NDF:212.9/18

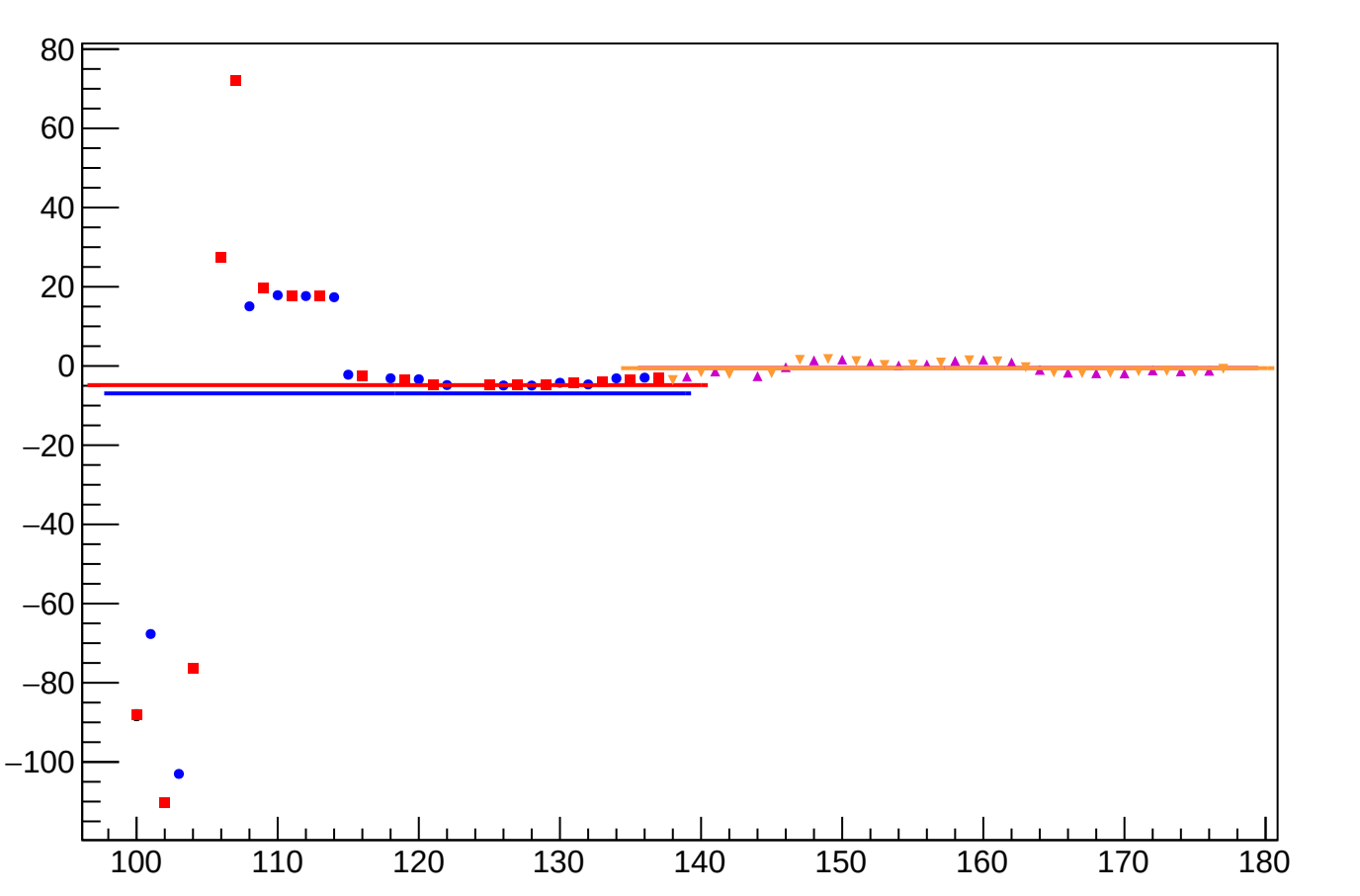
Left: -2.368+/-0.280 χ^2/NDF: 496.1/38

Right: 0.892+/-0.593 χ^2/NDF: 117.4/33

In: -1.371+/-0.362 χ^2/NDF:290.5/34

Out: -2.159+/-0.355 χ^2/NDF:345.2/37

All: -1.772+/-0.253 χ^2/NDF: 638.2/72



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -0.550+/-0.018 χ^2/NDF:6505.3/19

Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

Left In: -0.499+/-0.018 χ^2/NDF:6109.8/18

Left: -0.525+/-0.012 χ^2/NDF: 12619.3/38

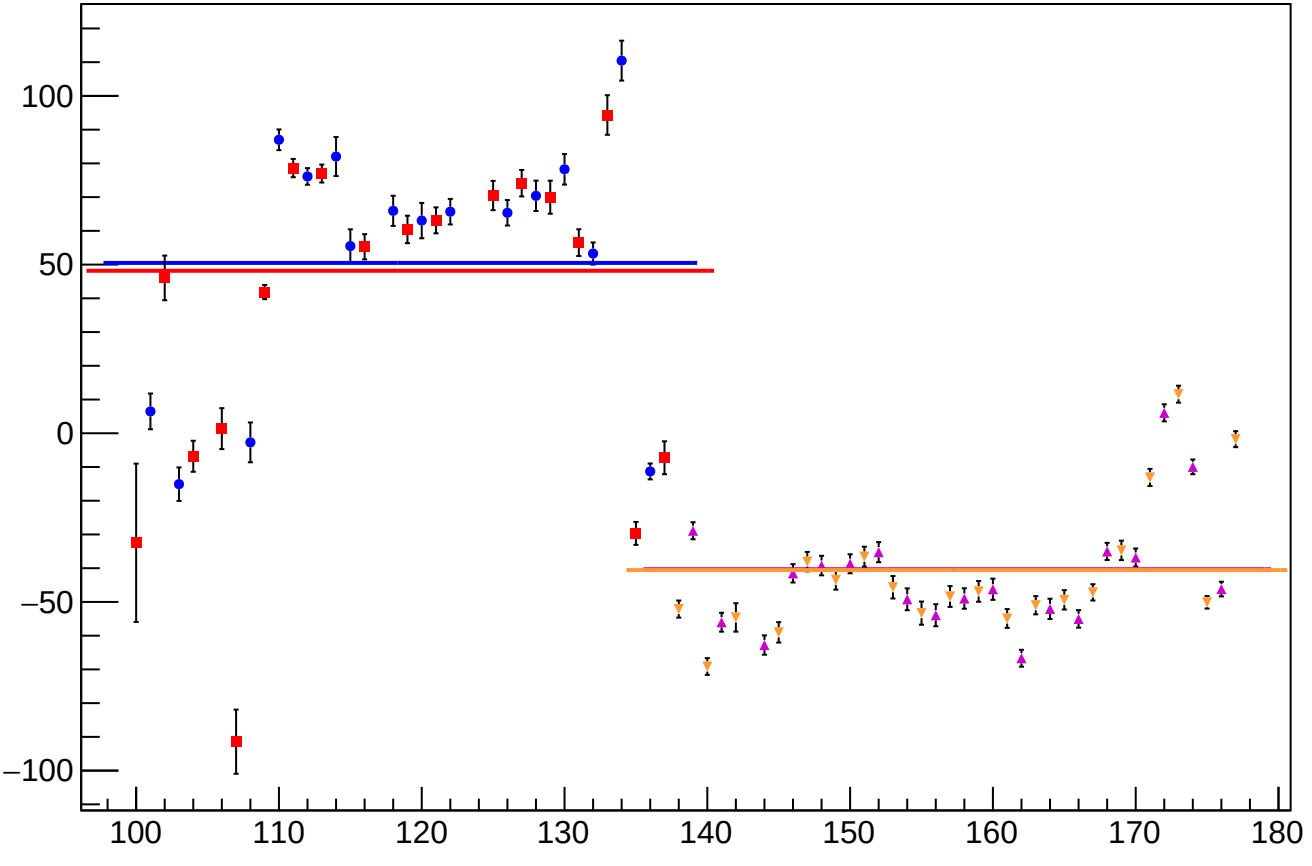
Right: -5.968+/-0.036 χ^2/NDF: 605403.2/33

In: -1.250+/-0.017 χ^2/NDF:286789.9/34

Out: -0.976+/-0.017 χ^2/NDF:351792.7/37

All: -1.114+/-0.012 χ^2/NDF: 638719.0/72

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 50.503+/-0.965 χ^2/NDF: 1503.6/15

Left Out: -40.554+/-0.610 χ^2/NDF:1136.4/19

Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -40.297+/-0.622 χ^2/NDF:851.3/18

Left: -40.428+/-0.435 χ^2/NDF: 1987.8/38

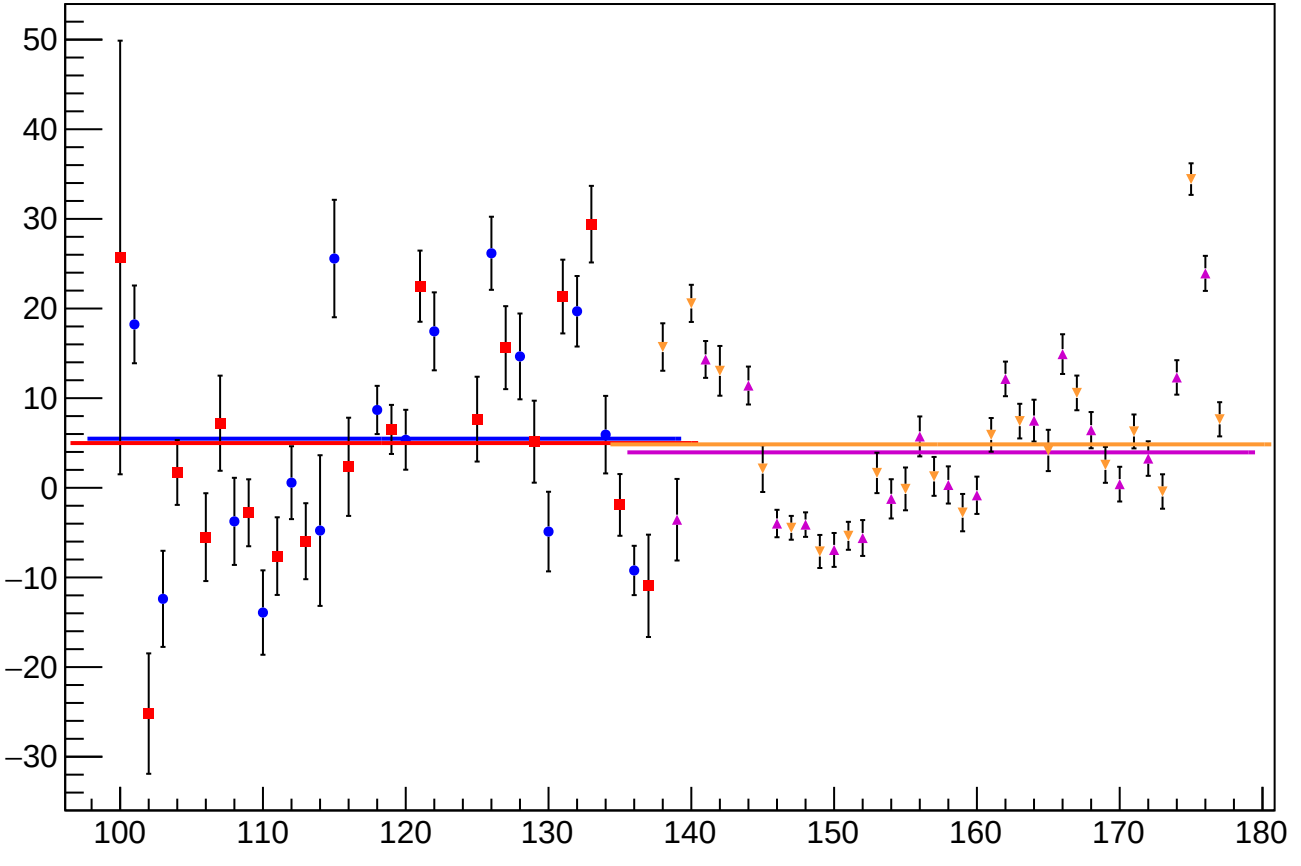
Right: 49.274+/-0.664 χ^2/NDF: 3026.2/33

In: -13.686+/-0.523 χ^2/NDF:8609.4/34

Out: -13.203+/-0.508 χ^2/NDF:9170.3/37

All: -13.437+/-0.364 χ^2/NDF: 17780.1/72

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: 4.847+/-0.441 χ^2/NDF:544.8/19

Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: 3.954+/-0.454 χ^2/NDF:345.7/18

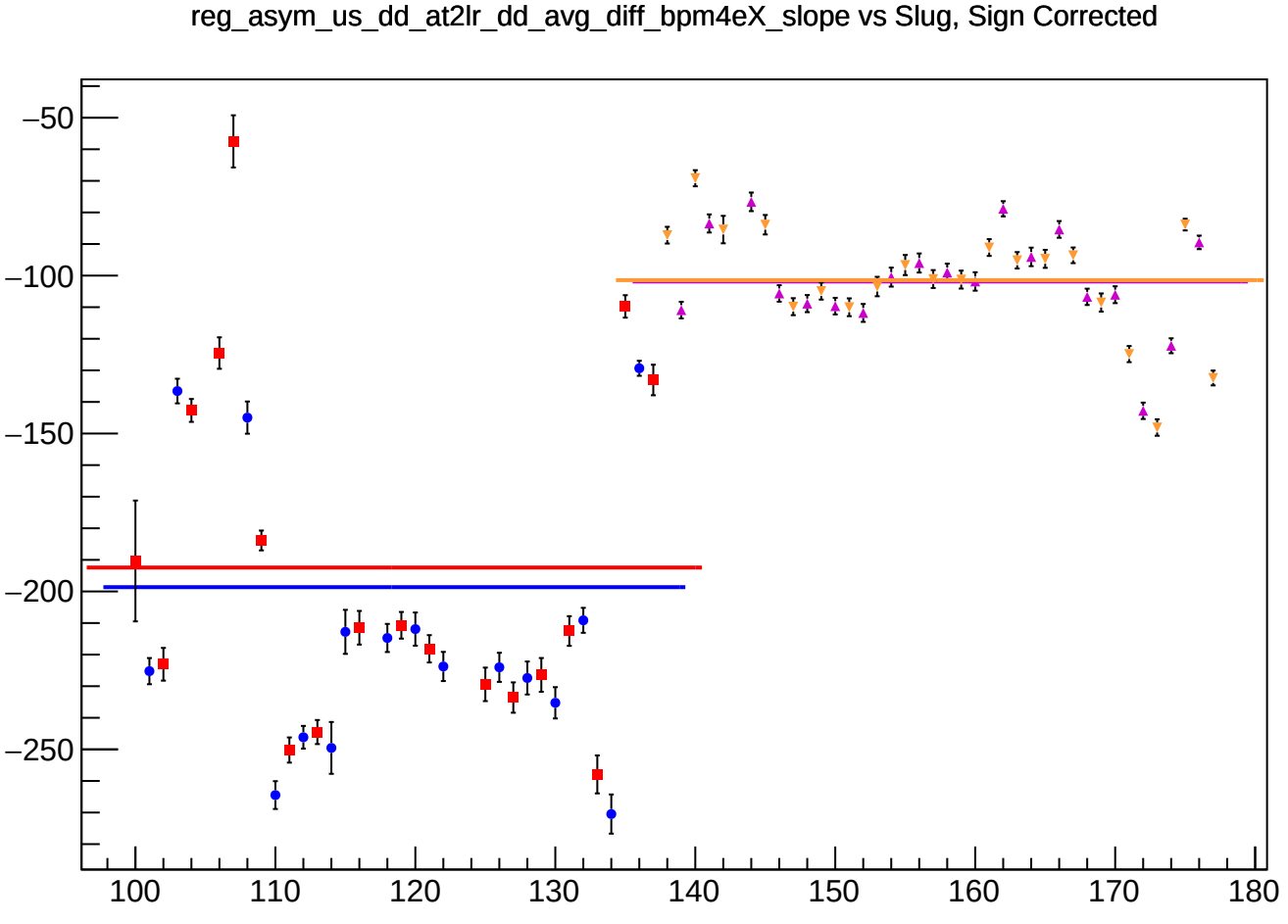
Left: 4.414+/-0.317 χ^2/NDF: 892.6/38

Right: 5.236+/-0.723 χ^2/NDF: 270.1/33

In: 4.207+/-0.415 χ^2/NDF:485.8/34

Out: 4.870+/-0.405 χ^2/NDF:676.7/37

All: 4.546+/-0.290 χ^2/NDF: 1163.7/72



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -101.432+/-0.600 χ^2/NDF:967.6/19

Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -101.863+/-0.612 χ^2/NDF:660.9/18

Left: -101.644+/-0.429 χ^2/NDF: 1628.7/38

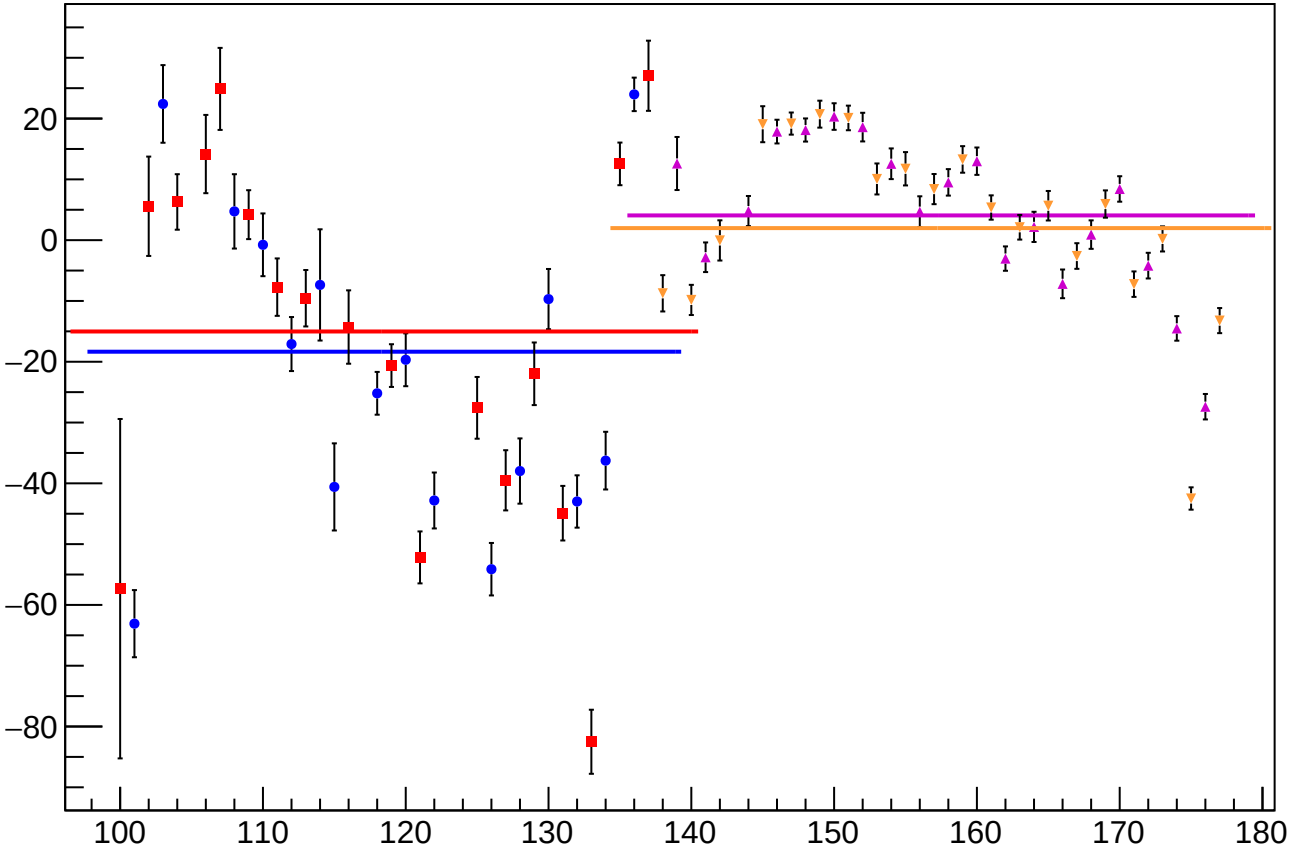
Right: -195.523+/-0.765 χ^2/NDF: 4157.8/33

In: -125.300+/-0.533 χ^2/NDF:8710.3/34

Out: -122.917+/-0.525 χ^2/NDF:8531.9/37

All: -124.090+/-0.374 χ^2/NDF: 17252.3/72

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: 1.983+/-0.502 χ^2/NDF:1040.3/19

Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 4.069+/-0.518 χ^2/NDF:611.0/18

Left: 2.994+/-0.360 χ^2/NDF: 1659.6/38

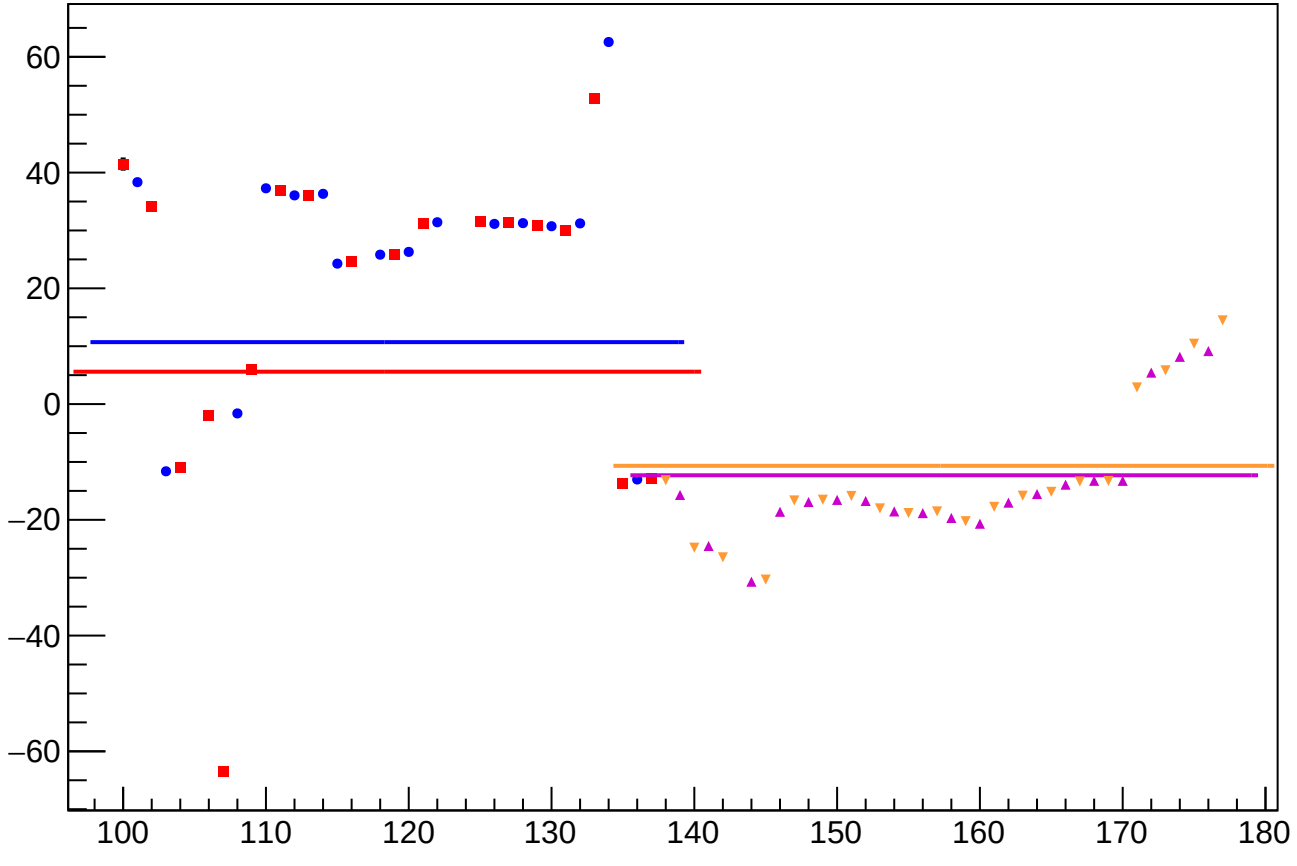
Right: -16.688+/-0.821 χ^2/NDF: 1094.5/33

In: 0.343+/-0.473 χ^2/NDF:1466.6/34

Out: -0.692+/-0.461 χ^2/NDF:1767.3/37

All: -0.187+/-0.330 χ^2/NDF: 3236.3/72

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 10.704+/-0.063 χ^2/NDF: 164860.8/15

Left Out: -10.666+/-0.023 χ^2/NDF:302324.9/19

Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: -12.302+/-0.023 χ^2/NDF:228020.9/18

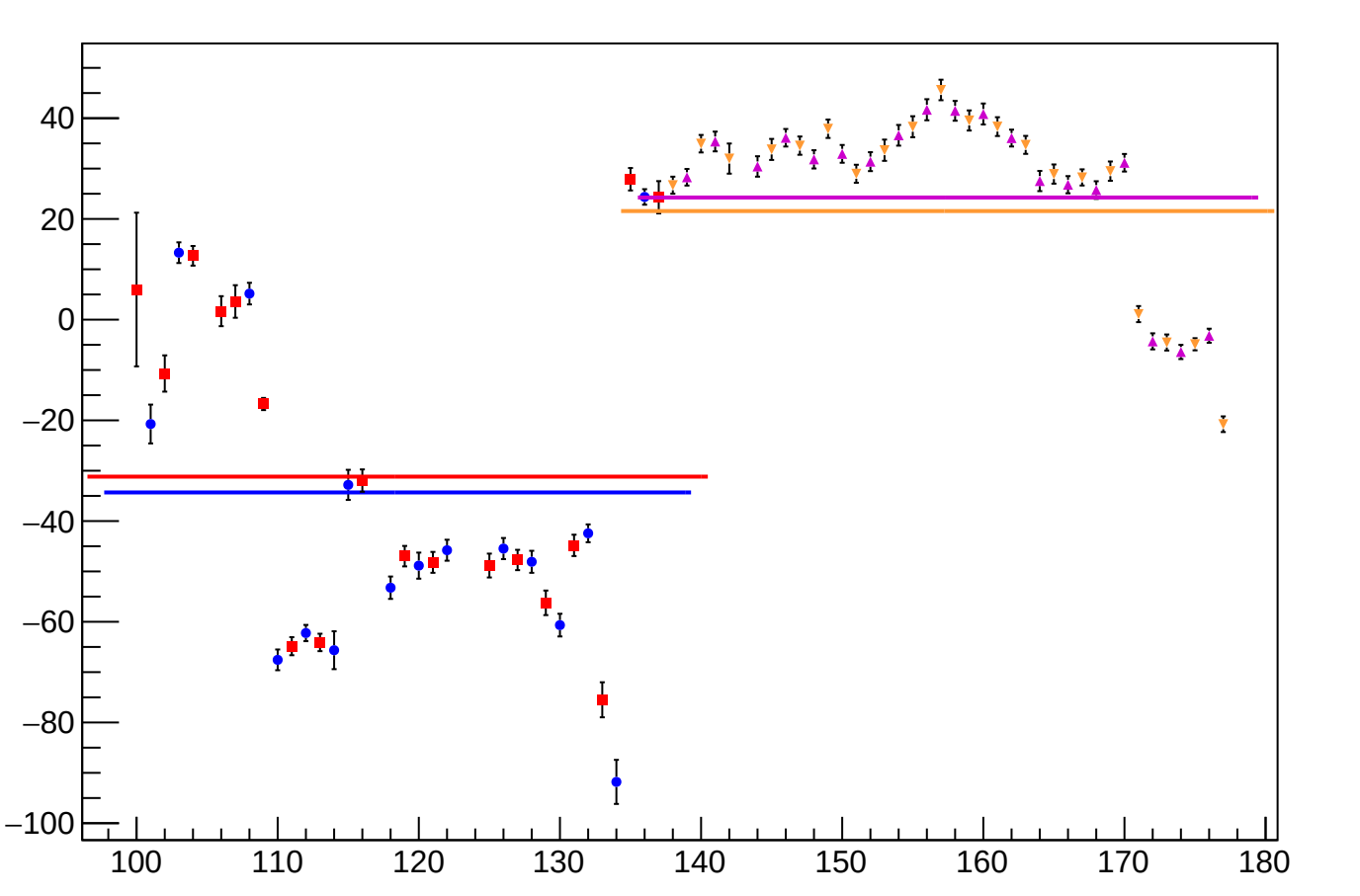
Left: -11.479+/-0.016 χ^2/NDF: 532957.8/38

Right: 8.178+/-0.045 χ^2/NDF: 323087.7/33

In: -9.653+/-0.021 χ^2/NDF:511239.8/34

Out: -8.848+/-0.021 χ^2/NDF:515325.1/37

All: -9.249+/-0.015 χ^2/NDF: 1027278.2/72



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 21.566+/-0.398 χ^2/NDF:2419.3/19

Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 24.255+/-0.406 χ^2/NDF:1646.8/18

Left: 22.885+/-0.284 χ^2/NDF: 4088.4/38

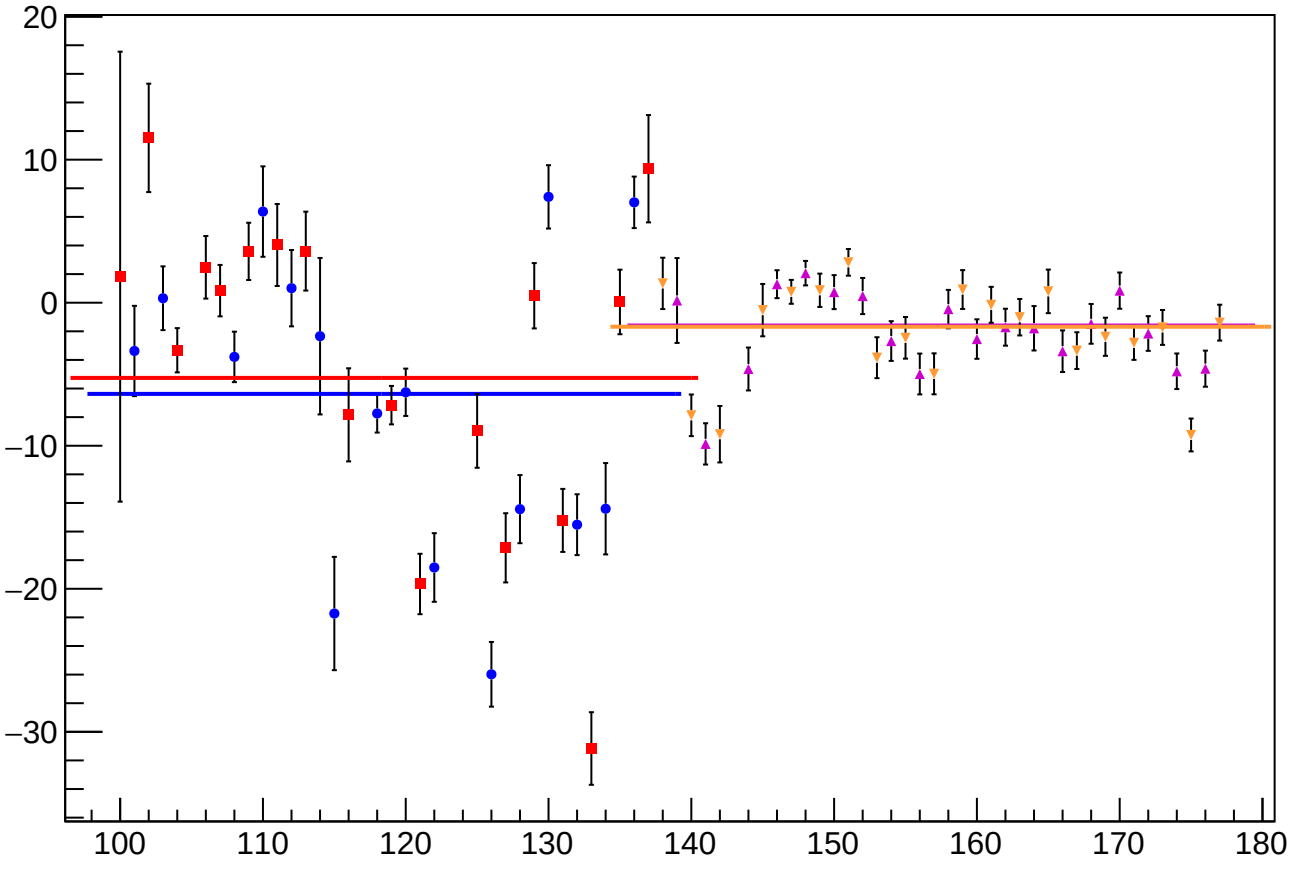
Right: -32.651+/-0.375 χ^2/NDF: 6718.0/33

In: 3.514+/-0.326 χ^2/NDF:12531.0/34

Out: 1.873+/-0.315 χ^2/NDF:12172.7/37

All: 2.666+/-0.227 χ^2/NDF: 24716.8/72

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: -1.680+/-0.286 χ^2/NDF:134.7/19

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

Left In: -1.595+/-0.295 χ^2/NDF:96.2/18

Left: -1.639+/-0.205 χ^2/NDF: 230.9/38

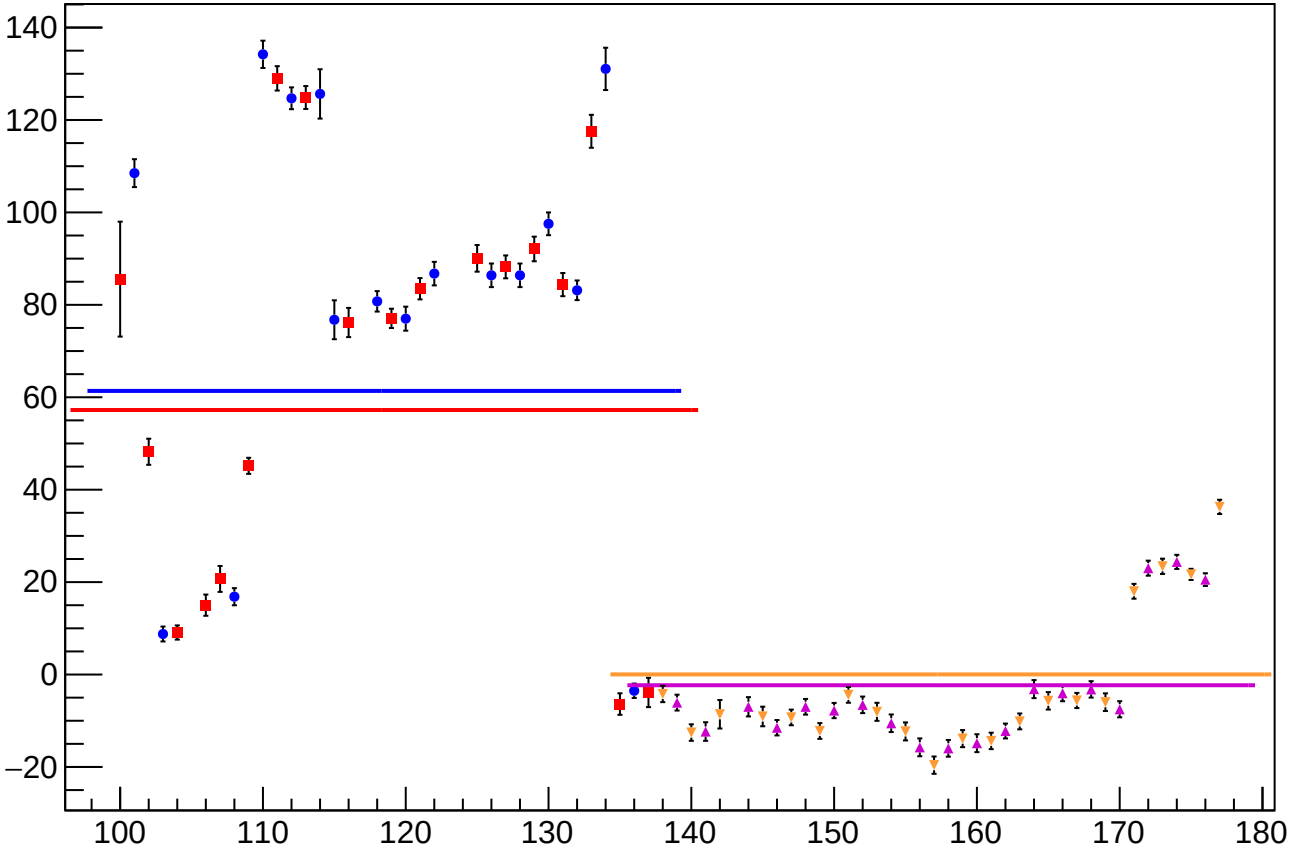
Right: -5.794+/-0.384 χ^2/NDF: 598.6/33

In: -2.654+/-0.261 χ^2/NDF:437.9/34

Out: -2.479+/-0.252 χ^2/NDF:482.6/37

All: -2.563+/-0.181 χ^2/NDF: 920.7/72

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: 0.030+/-0.391 χ^2/NDF:1724.2/19

Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: -2.315+/-0.399 χ^2/NDF:1126.0/18

Left: -1.118+/-0.279 χ^2/NDF: 2867.8/38

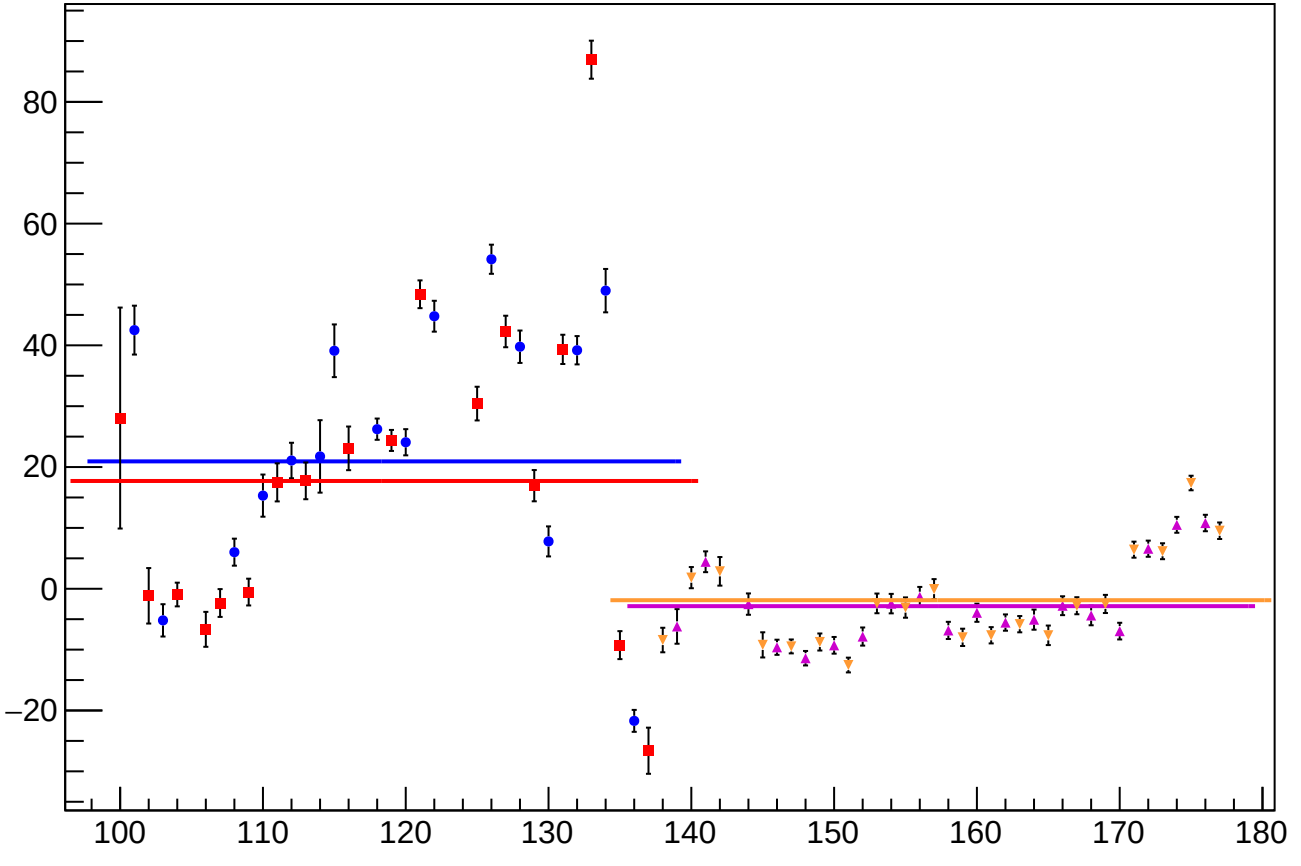
Right: 59.259+/-0.415 χ^2/NDF: 11359.0/33

In: 17.486+/-0.331 χ^2/NDF:15107.6/34

Out: 17.894+/-0.324 χ^2/NDF:13678.7/37

All: 17.694+/-0.232 χ^2/NDF: 28787.0/72

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: -1.880+/-0.326 χ^2/NDF:645.4/19

Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: -2.857+/-0.337 χ^2/NDF:416.6/18

Left: -2.352+/-0.234 χ^2/NDF: 1066.3/38

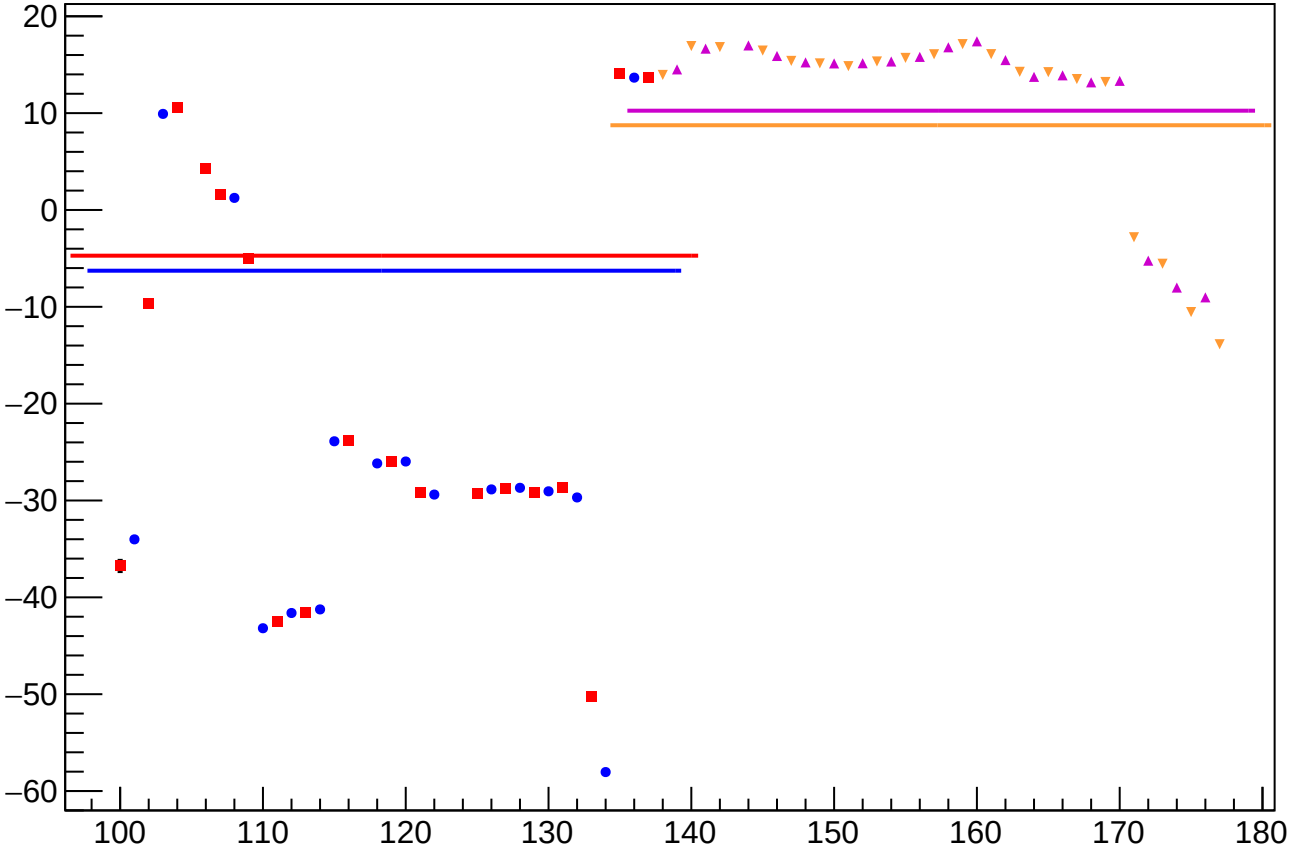
Right: 19.265+/-0.445 χ^2/NDF: 2740.4/33

In: 2.306+/-0.298 χ^2/NDF:2743.2/34

Out: 2.379+/-0.288 χ^2/NDF:2913.5/37

All: 2.344+/-0.207 χ^2/NDF: 5656.7/72

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 8.749+/-0.015 χ^2/NDF:534304.6/19

Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 10.252+/-0.015 χ^2/NDF:407603.4/18

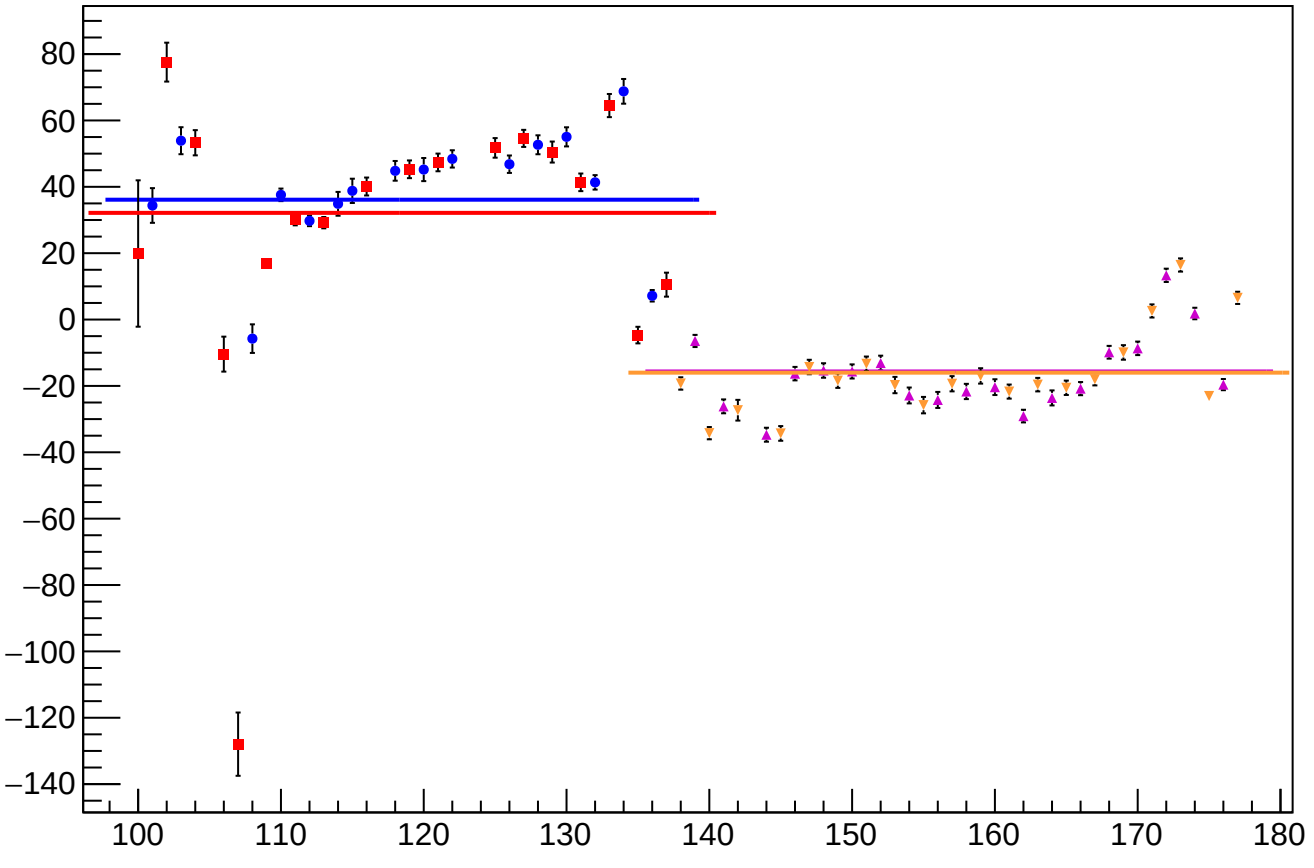
Left: 9.495+/-0.010 χ^2/NDF: 947122.1/38

Right: -5.502+/-0.024 χ^2/NDF: 718193.1/33

In: 7.551+/-0.014 χ^2/NDF:1022593.5/34

Out: 6.602+/-0.013 χ^2/NDF:975330.4/37

All: 7.075+/-0.010 χ^2/NDF: 2000404.4/72



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -16.002+/-0.463 χ^2/NDF:755.5/19

Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

Left In: -15.641+/-0.471 χ^2/NDF:571.1/18

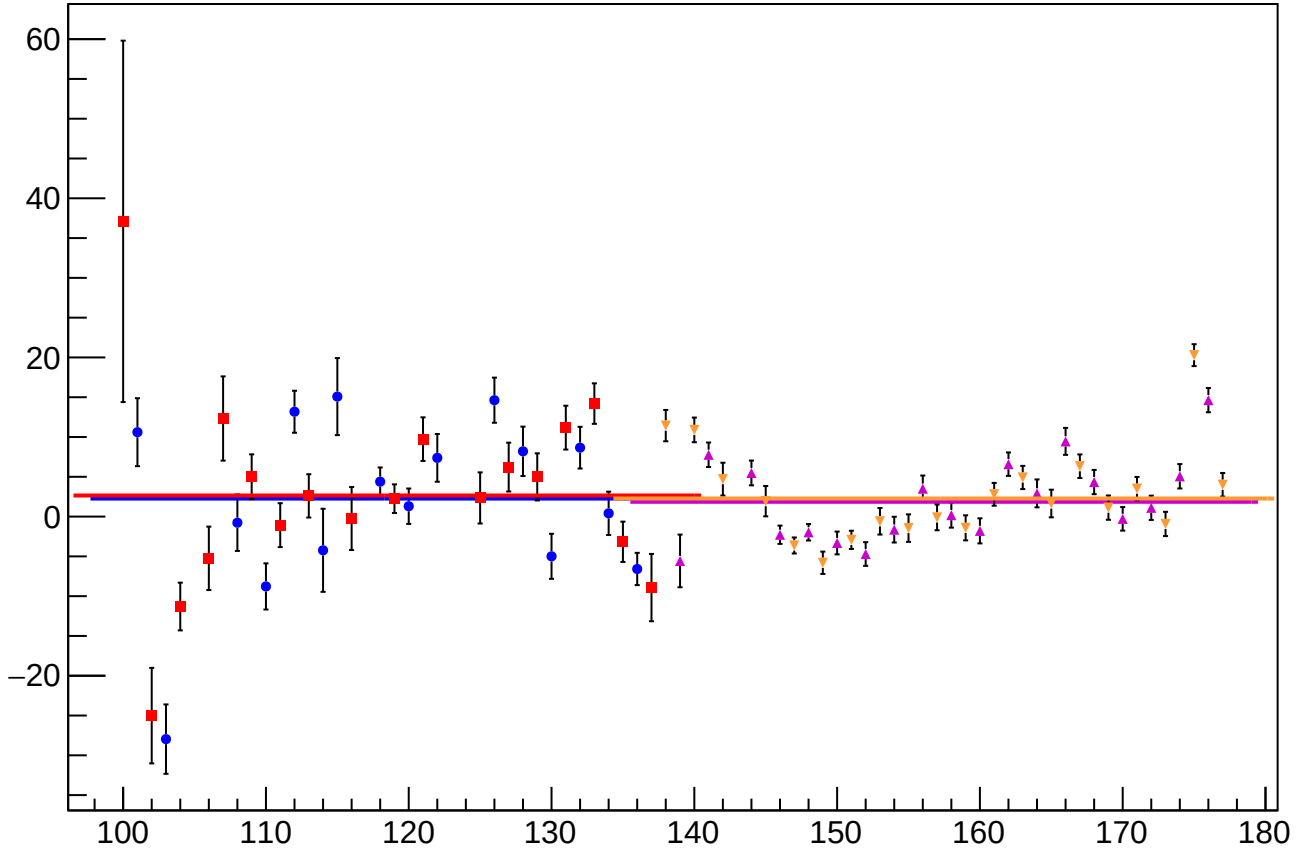
Left: -15.825+/-0.330 χ^2/NDF: 1326.9/38

Right: 34.055+/-0.455 χ^2/NDF: 1756.4/33

In: 1.957+/-0.383 χ^2/NDF:5297.3/34

Out: 0.848+/-0.373 χ^2/NDF:5660.3/37

All: 1.388+/-0.267 χ^2/NDF: 10961.9/72



Right In: 2.265+/-0.701 χ^2/NDF: 152.0/15

Left Out: 2.274+/-0.334 χ^2/NDF:346.9/19

Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

Left In: 1.861+/-0.344 χ^2/NDF:207.0/18

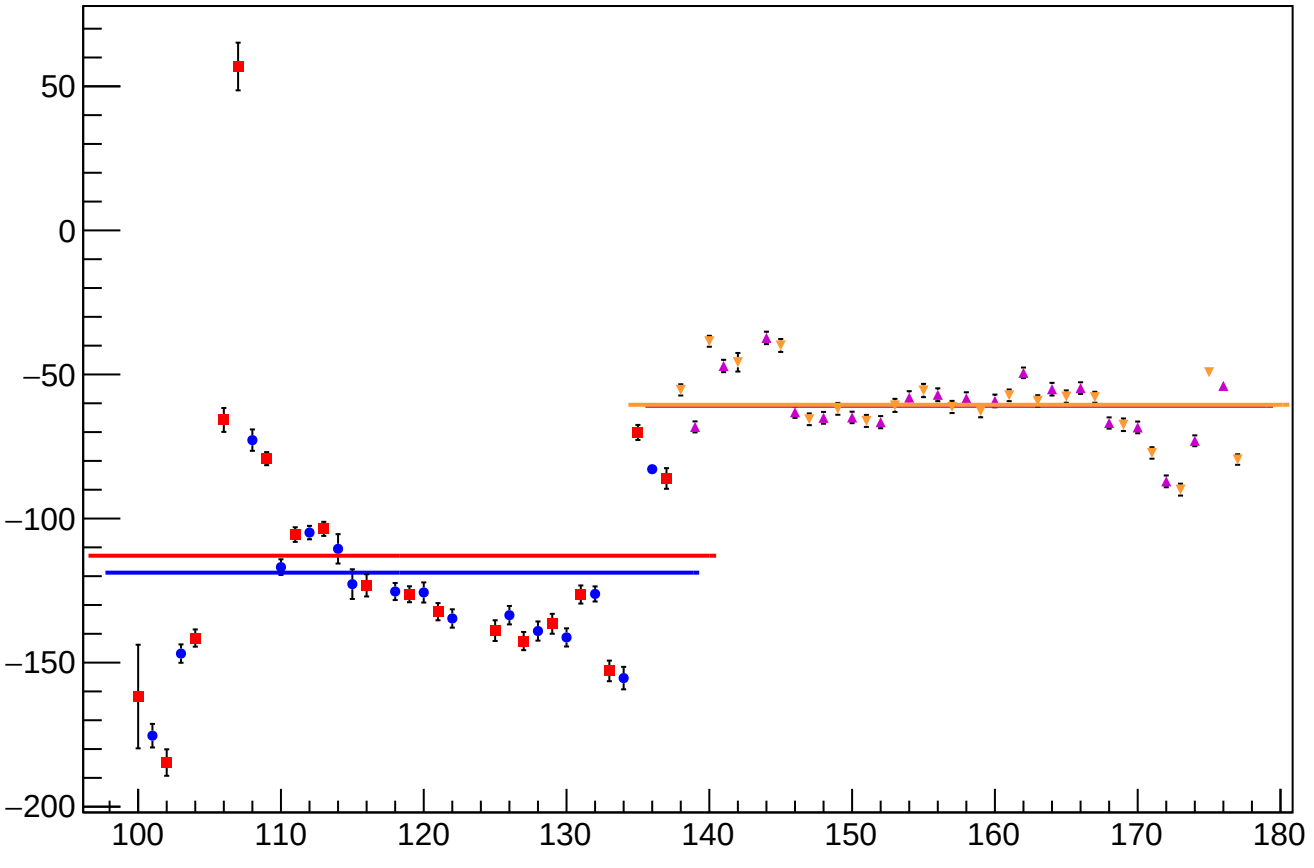
Left: 2.074+/-0.240 χ^2/NDF: 554.7/38

Right: 2.454+/-0.501 χ^2/NDF: 259.4/33

In: 1.939+/-0.309 χ^2/NDF:359.3/34

Out: 2.341+/-0.303 χ^2/NDF:454.4/37

All: 2.145+/-0.216 χ^2/NDF: 814.6/72



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -60.516+/-0.455 χ^2/NDF:723.8/19

Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -60.894+/-0.464 χ^2/NDF:498.8/18

Left: -60.701+/-0.325 χ^2/NDF: 1222.9/38

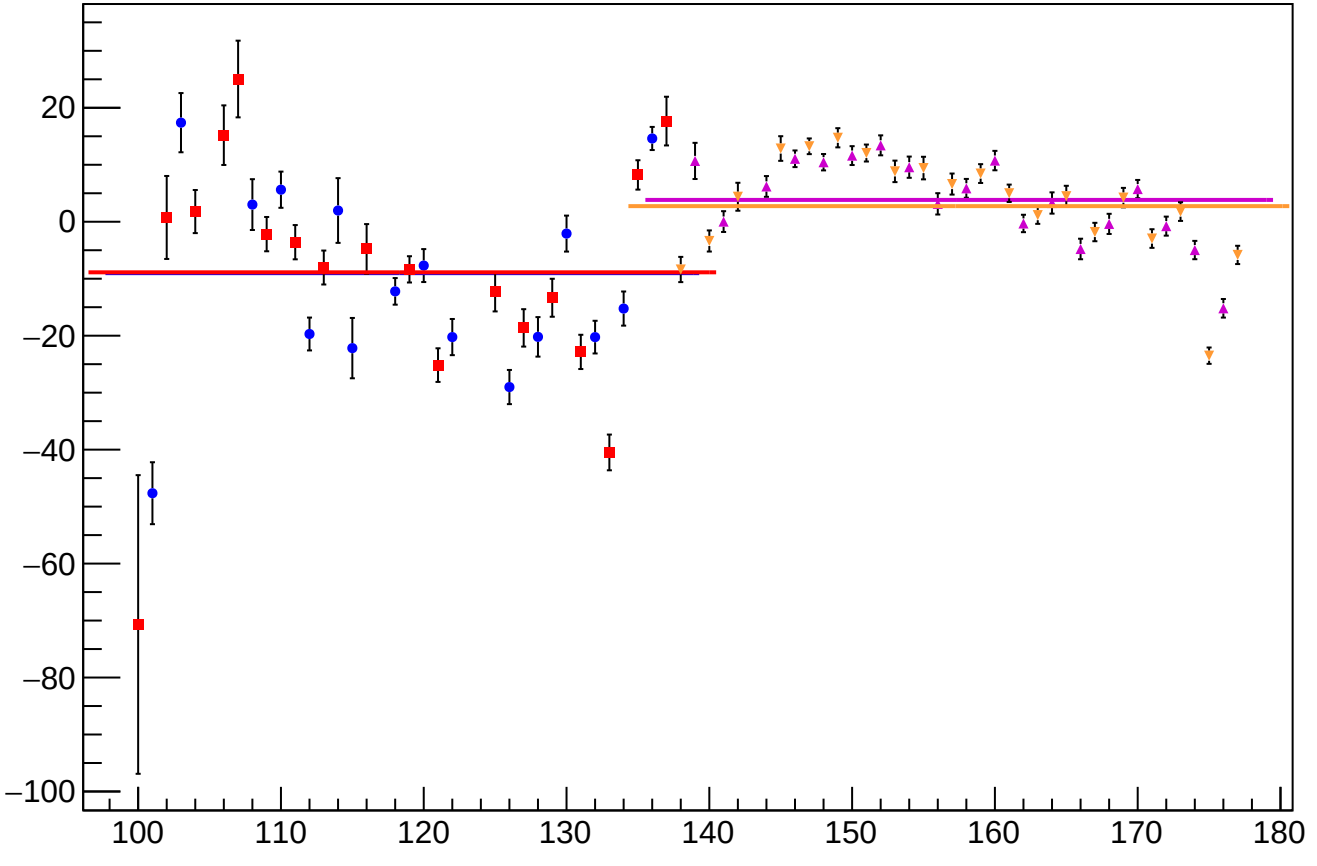
Right: -115.855+/-0.537 χ^2/NDF: 3012.4/33

In: -76.701+/-0.395 χ^2/NDF:5870.5/34

Out: -74.303+/-0.390 χ^2/NDF:6078.2/37

All: -75.486+/-0.278 χ^2/NDF: 11967.3/72

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: 2.739+/-0.381 χ^2/NDF:633.9/19

Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 3.831+/-0.393 χ^2/NDF:346.5/18

Left: 3.268+/-0.273 χ^2/NDF: 984.4/38

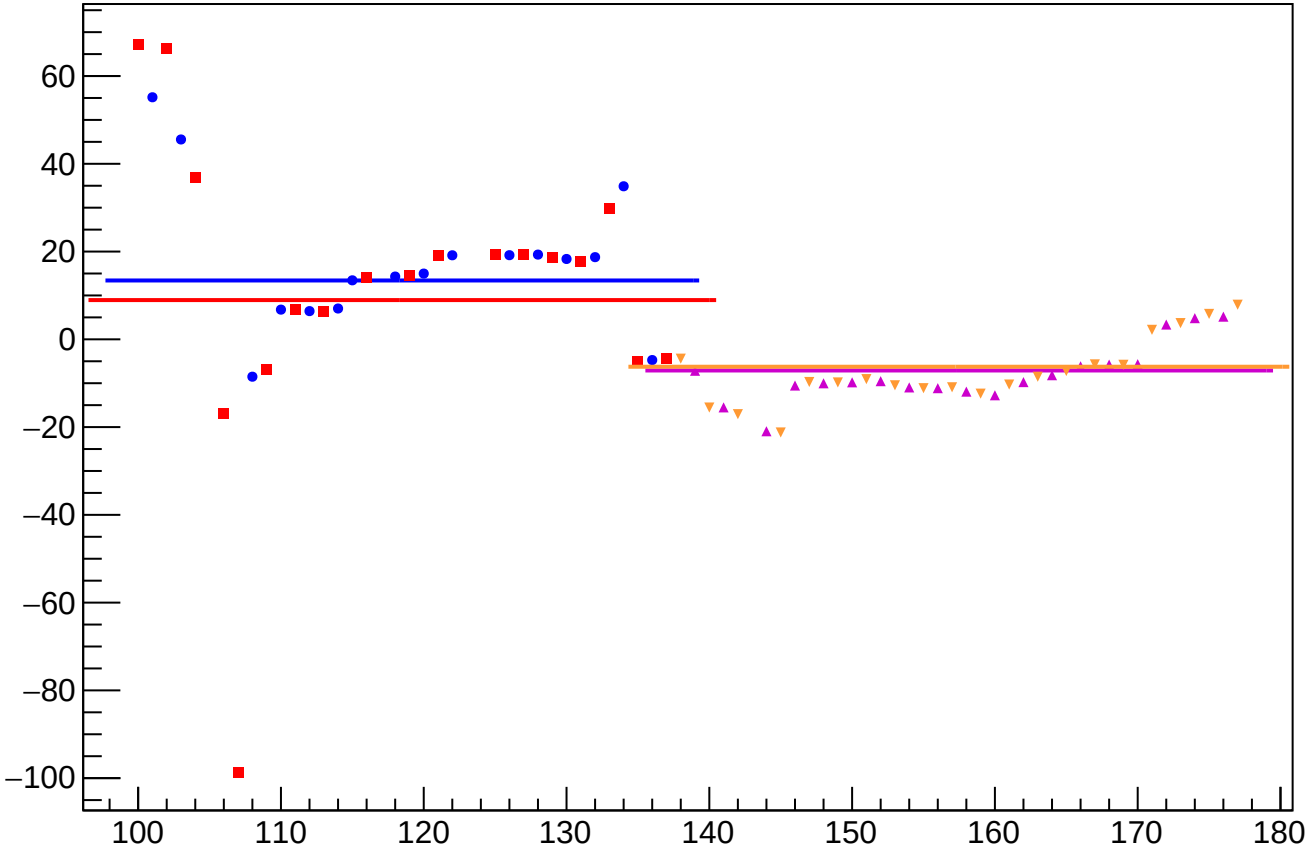
Right: -8.951+/-0.568 χ^2/NDF: 676.8/33

In: 1.313+/-0.352 χ^2/NDF:914.3/34

Out: 0.641+/-0.344 χ^2/NDF:1121.0/37

All: 0.970+/-0.246 χ^2/NDF: 2037.2/72

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -6.246+/-0.017 χ^2/NDF:188022.6/19

Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -7.099+/-0.017 χ^2/NDF:141438.0/18

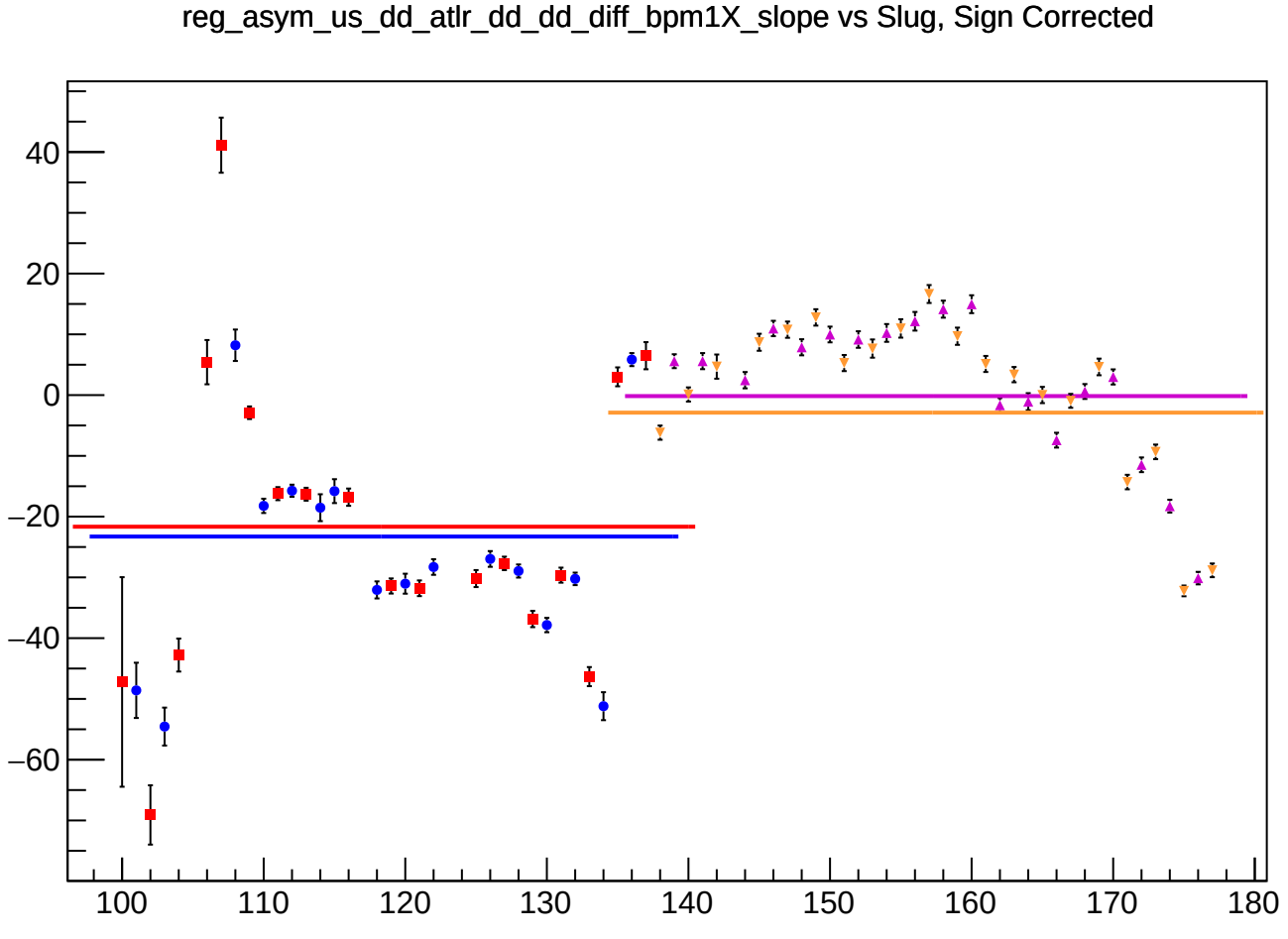
Left: -6.670+/-0.012 χ^2/NDF: 330700.8/38

Right: 11.280+/-0.033 χ^2/NDF: 479481.6/33

In: -4.517+/-0.016 χ^2/NDF:504487.1/34

Out: -4.499+/-0.016 χ^2/NDF:570019.7/37

All: -4.508+/-0.011 χ^2/NDF: 1074507.4/72



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: -2.885+/-0.286 χ^2/NDF:2604.2/19

Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: -0.163+/-0.291 χ^2/NDF:1867.2/18

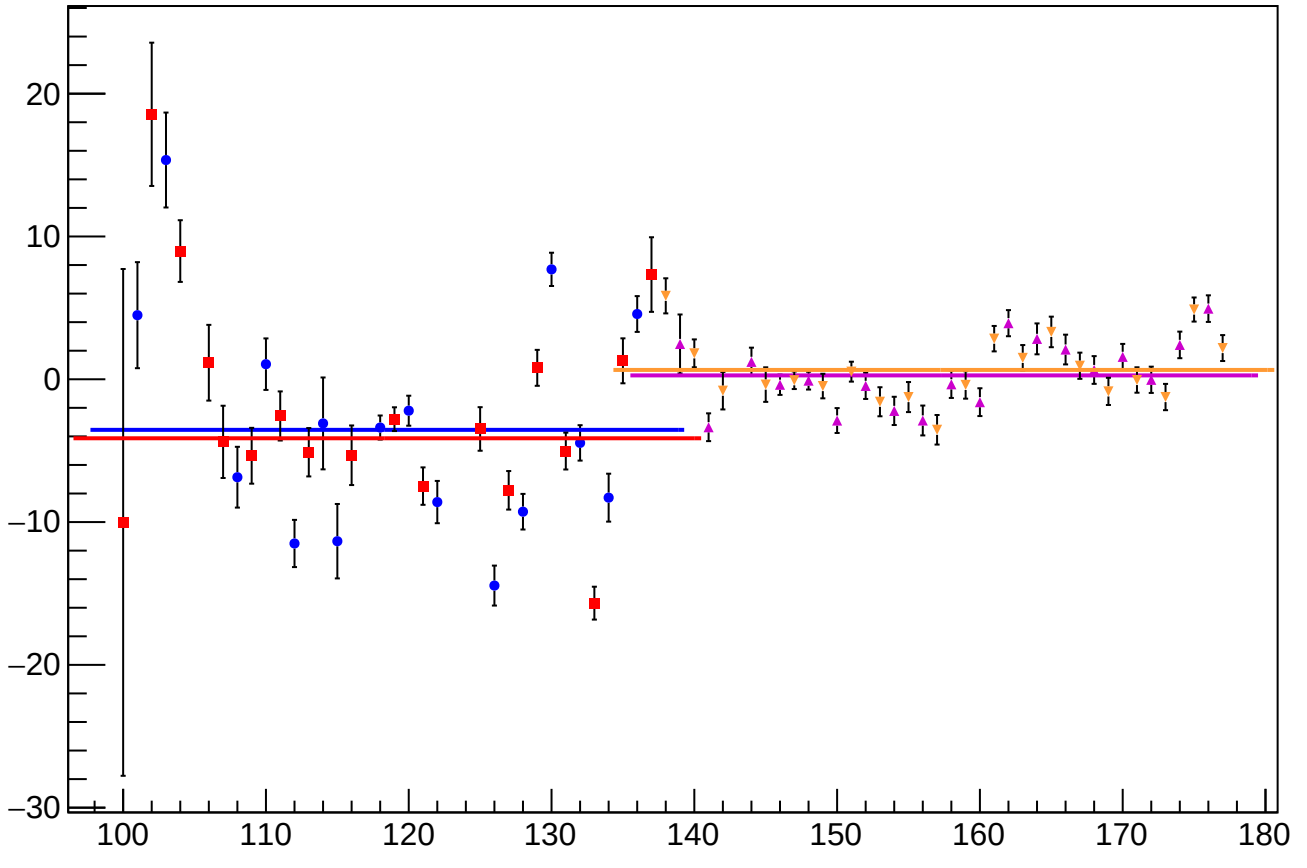
Left: -1.549+/-0.204 χ^2/NDF: 4516.0/38

Right: -22.463+/-0.247 χ^2/NDF: 3392.3/33

In: -9.597+/-0.224 χ^2/NDF:6011.6/34

Out: -10.458+/-0.221 χ^2/NDF:6161.1/37

All: -10.034+/-0.157 χ^2/NDF: 12180.2/72



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 0.654+/-0.206 χ^2/NDF:98.5/19

Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: 0.271+/-0.212 χ^2/NDF:107.9/18

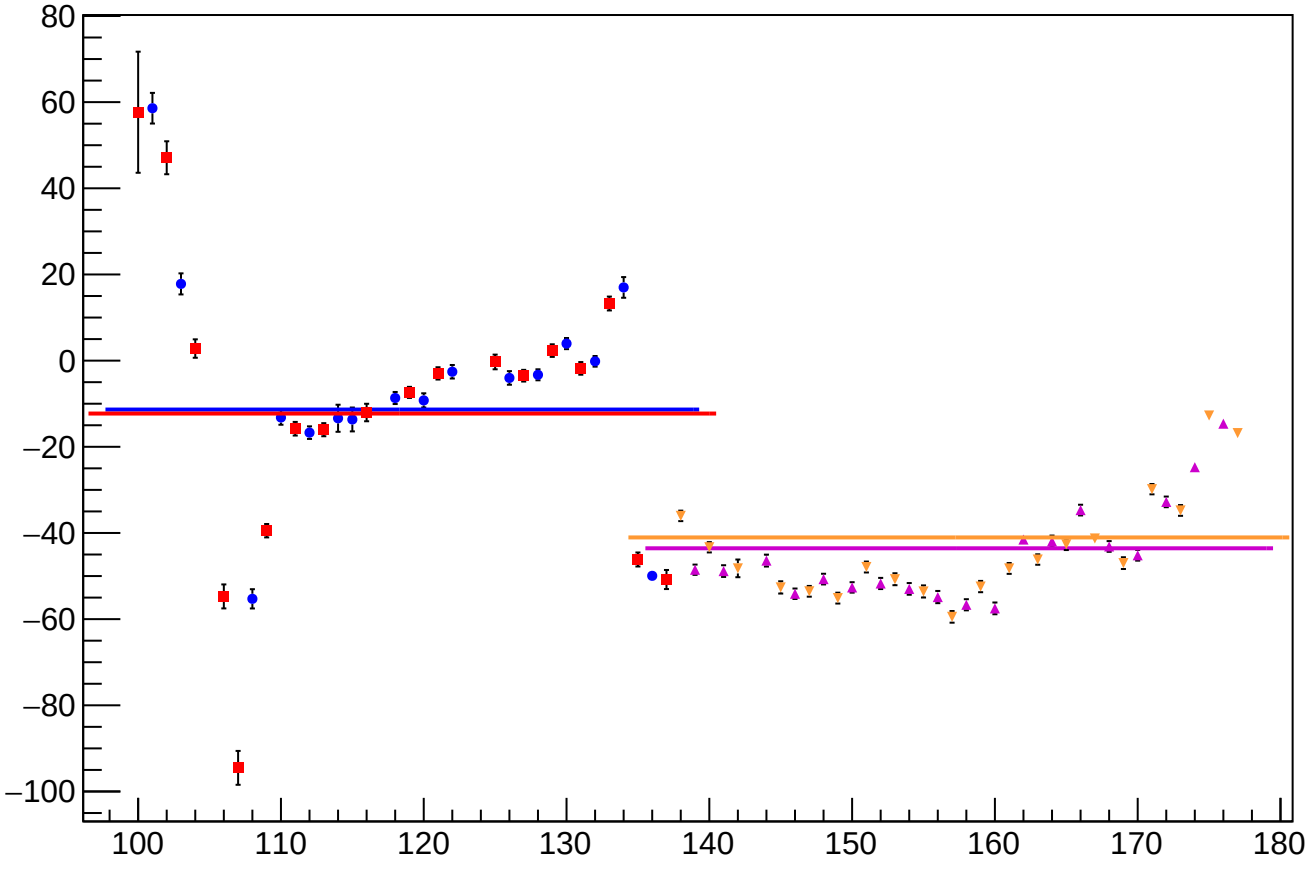
Left: 0.469+/-0.148 χ^2/NDF: 208.1/38

Right: -3.830+/-0.259 χ^2/NDF: 545.5/33

In: -0.702+/-0.183 χ^2/NDF:507.0/34

Out: -0.473+/-0.180 χ^2/NDF:453.4/37

All: -0.586+/-0.128 χ^2/NDF: 961.2/72



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -41.036+/-0.281 χ^2/NDF:2415.3/19

Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -43.556+/-0.286 χ^2/NDF:1774.4/18

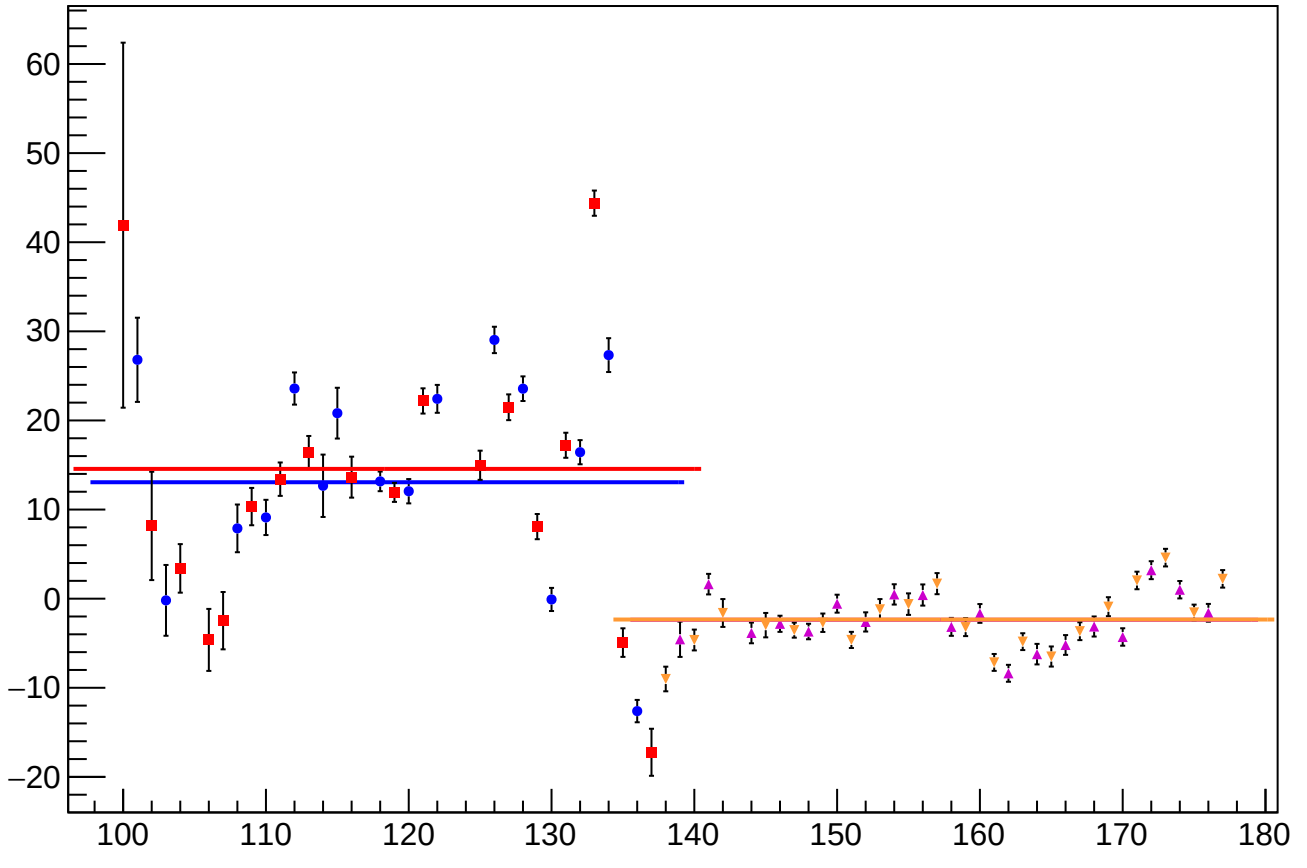
Left: -42.270+/-0.200 χ^2/NDF: 4229.2/38

Right: -11.809+/-0.289 χ^2/NDF: 5254.6/33

In: -32.845+/-0.234 χ^2/NDF:8640.9/34

Out: -31.955+/-0.232 χ^2/NDF:8320.0/37

All: -32.397+/-0.165 χ^2/NDF: 16968.2/72



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -2.340+/-0.235 χ^2/NDF:192.8/19

Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -2.369+/-0.242 χ^2/NDF:138.6/18

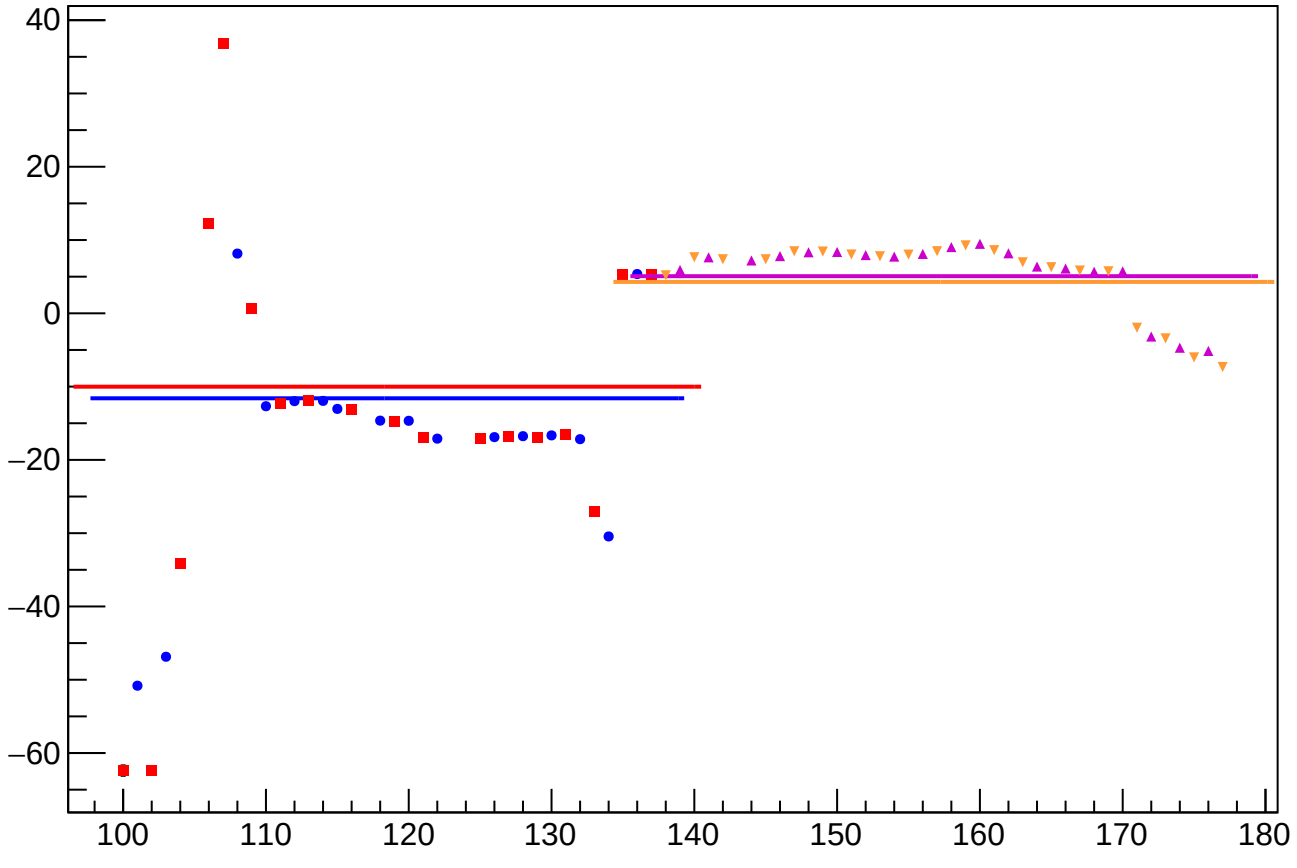
Left: -2.354+/-0.168 χ^2/NDF: 331.4/38

Right: 13.801+/-0.296 χ^2/NDF: 1772.9/33

In: 1.556+/-0.209 χ^2/NDF:2035.0/34

Out: 1.641+/-0.205 χ^2/NDF:2319.5/37

All: 1.599+/-0.146 χ^2/NDF: 4354.6/72



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 4.284+/-0.011 χ^2/NDF:276906.5/19

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

Left In: 5.066+/-0.011 χ^2/NDF:210531.4/18

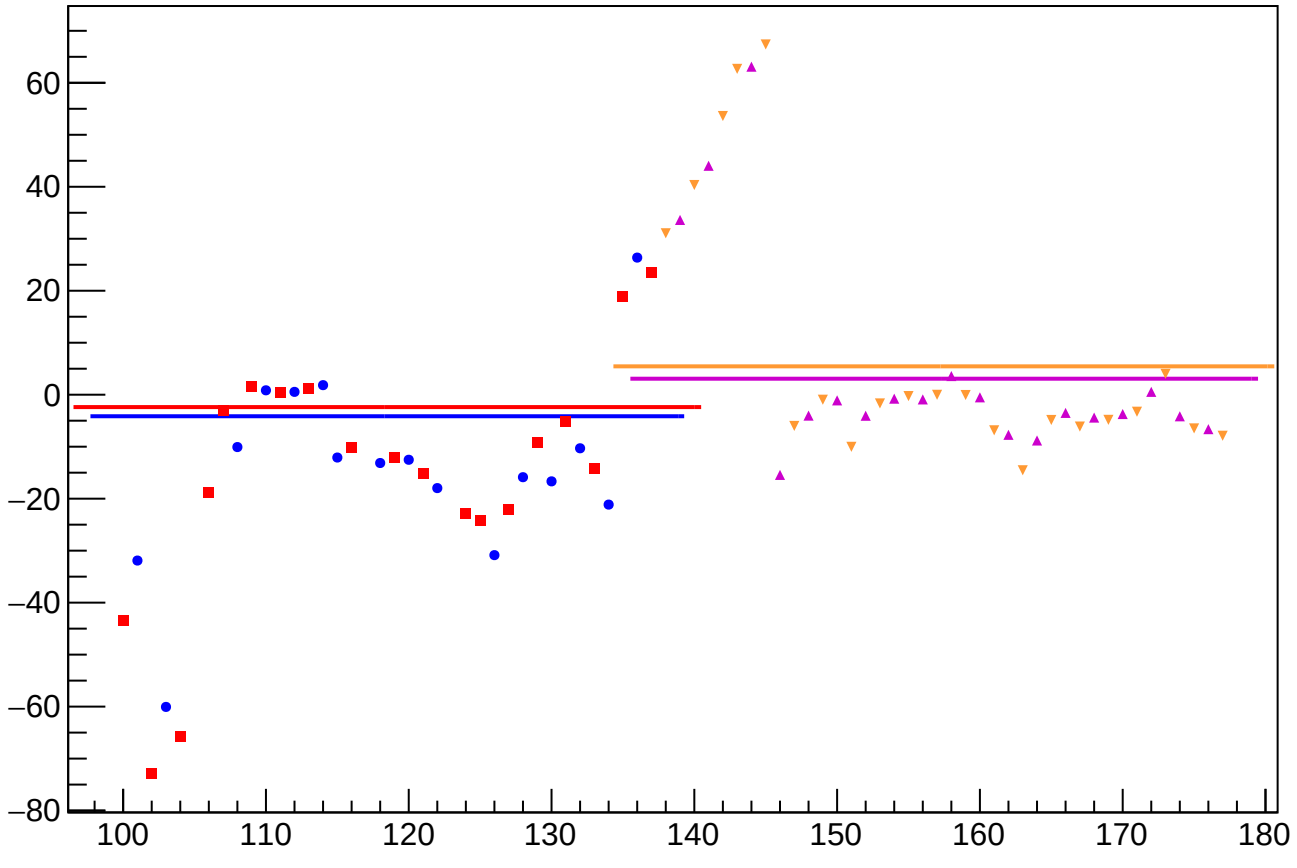
Left: 4.673+/-0.007 χ^2/NDF: 490177.3/38

Right: -10.837+/-0.019 χ^2/NDF: 758546.1/33

In: 2.736+/-0.010 χ^2/NDF:916039.3/34

Out: 2.445+/-0.010 χ^2/NDF:909615.4/37

All: 2.591+/-0.007 χ^2/NDF: 1826090.7/72



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 5.455+/-0.051 χ^2/NDF:166767.9/20

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

Left In: 3.077+/-0.048 χ^2/NDF:126007.7/18

Left: 4.193+/-0.035 χ^2/NDF: 293931.5/39

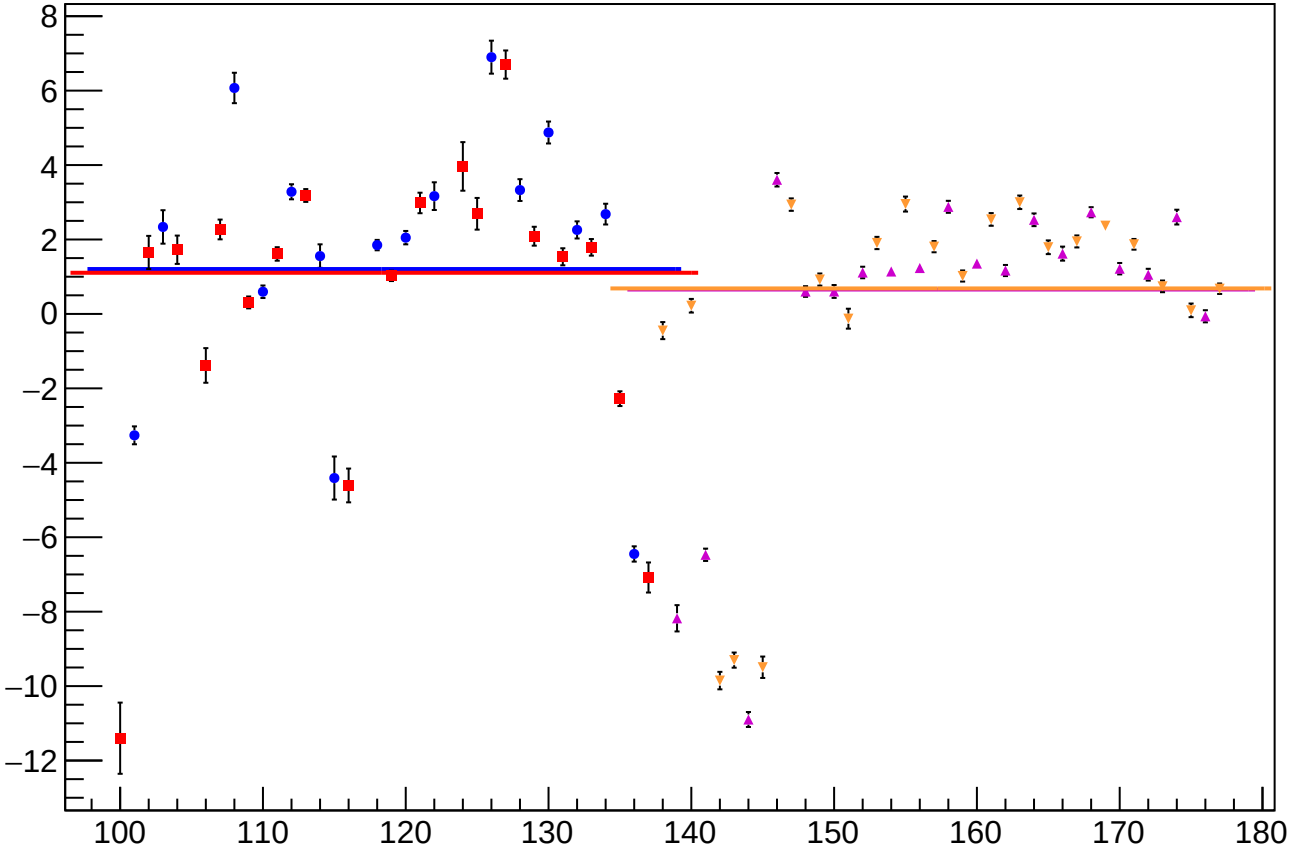
Right: -3.115+/-0.035 χ^2/NDF: 156619.4/34

In: -0.060+/-0.036 χ^2/NDF:211136.5/34

Out: 1.149+/-0.034 χ^2/NDF:260516.0/39

All: 0.576+/-0.025 χ^2/NDF: 472244.7/74

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: 0.685+/-0.038 χ^2/NDF:6746.9/20

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

Left In: 0.656+/-0.035 χ^2/NDF:6842.3/18

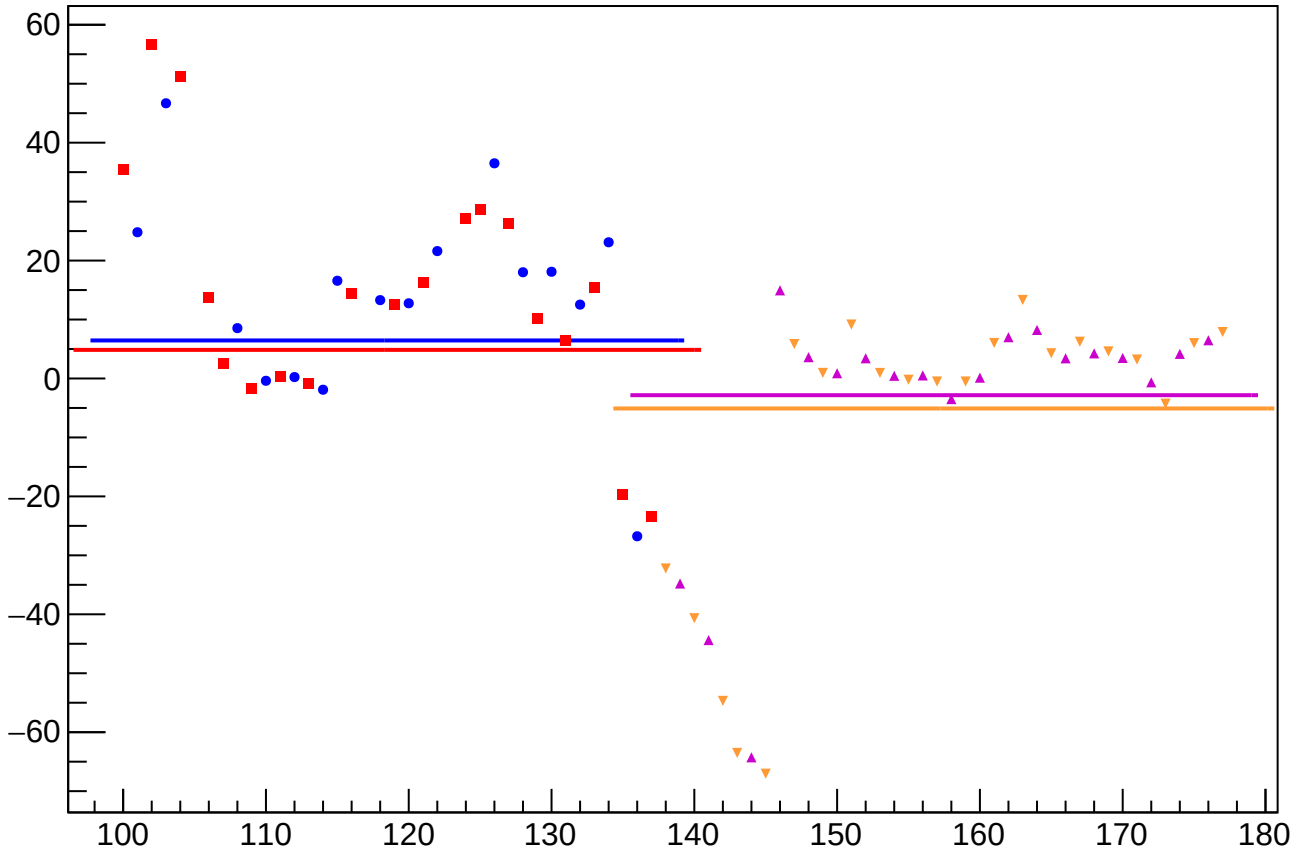
Left: 0.670+/-0.026 χ^2/NDF: 13589.5/39

Right: 1.153+/-0.042 χ^2/NDF: 4173.1/34

In: 0.795+/-0.030 χ^2/NDF:9488.6/34

Out: 0.813+/-0.032 χ^2/NDF:8371.7/39

All: 0.804+/-0.022 χ^2/NDF: 17860.5/74



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -5.086+/-0.050 χ^2/NDF:161430.1/20

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

Left In: -2.835+/-0.047 χ^2/NDF:123065.8/18

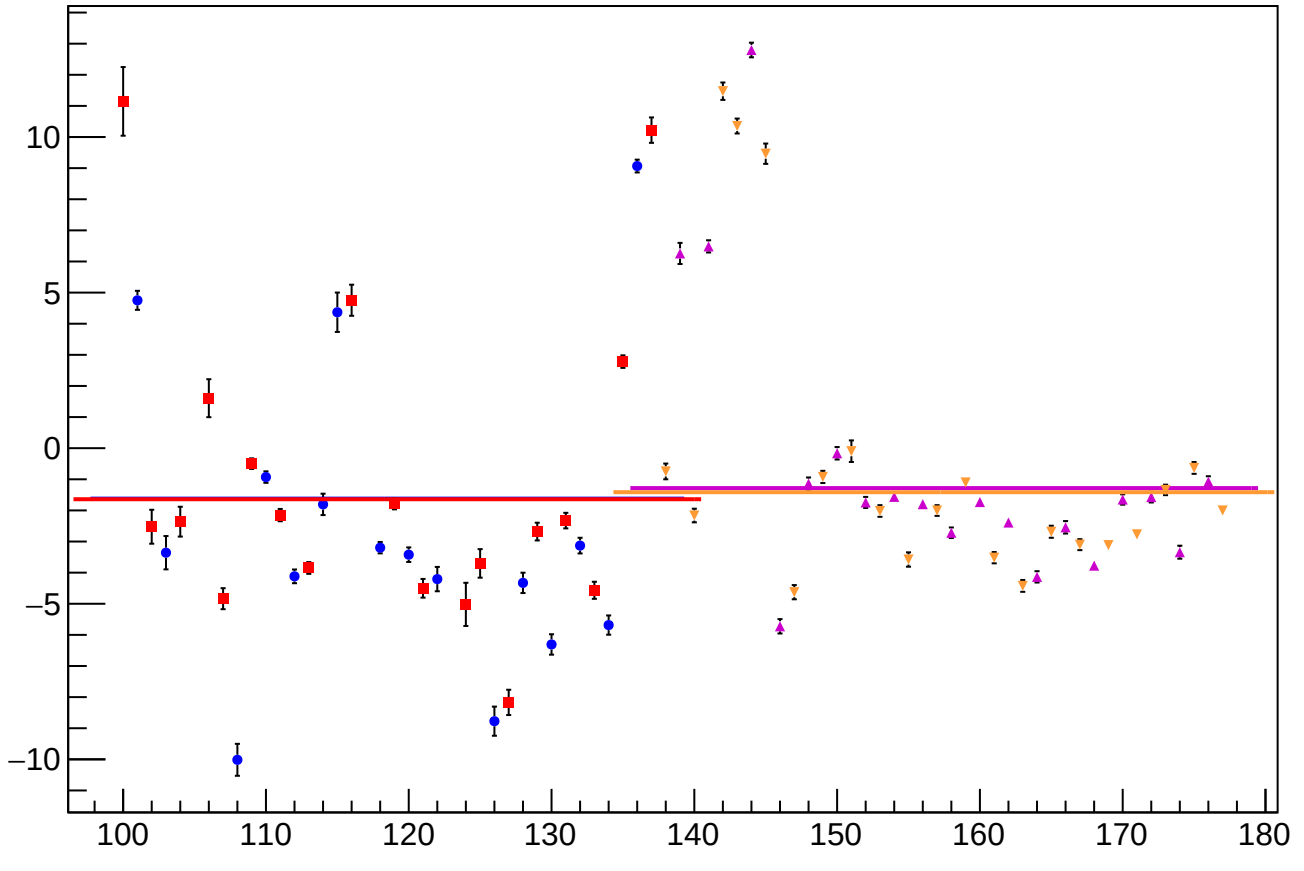
Left: -3.879+/-0.034 χ^2/NDF: 285573.6/39

Right: 5.576+/-0.044 χ^2/NDF: 146268.1/34

In: 0.312+/-0.038 χ^2/NDF:207148.6/34

Out: -0.924+/-0.038 χ^2/NDF:253107.8/39

All: -0.301+/-0.027 χ^2/NDF: 460782.1/74



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: -1.414+/-0.042 χ^2/NDF:6740.6/20

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

Left In: -1.283+/-0.040 χ^2/NDF:6838.1/18

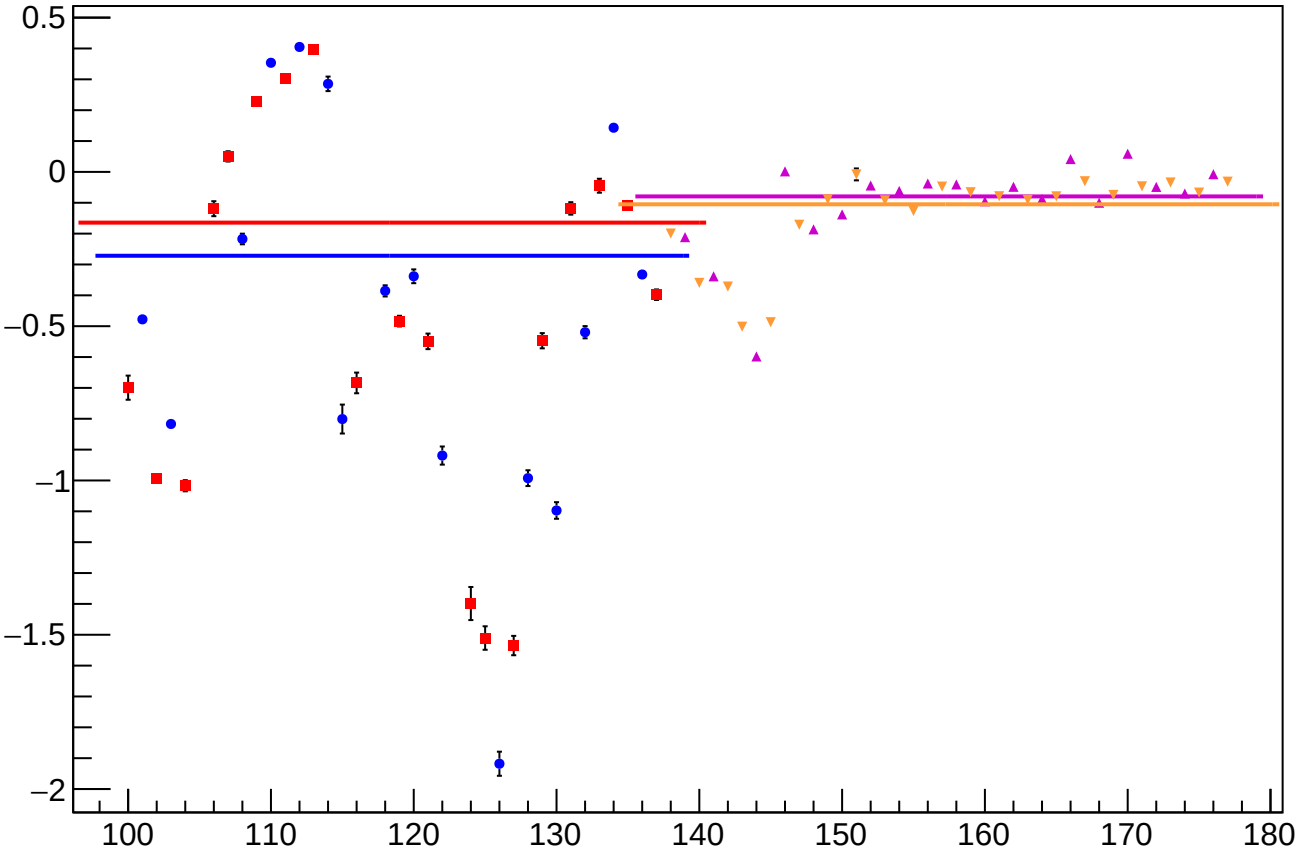
Left: -1.344+/-0.029 χ^2/NDF: 13583.9/39

Right: -1.632+/-0.047 χ^2/NDF: 6987.4/34

In: -1.365+/-0.034 χ^2/NDF:11381.3/34

Out: -1.482+/-0.035 χ^2/NDF:9211.3/39

All: -1.422+/-0.025 χ^2/NDF: 20598.2/74



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.105+/-0.002 χ^2/NDF:3632.3/20

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

Left In: -0.079+/-0.002 χ^2/NDF:3804.2/18

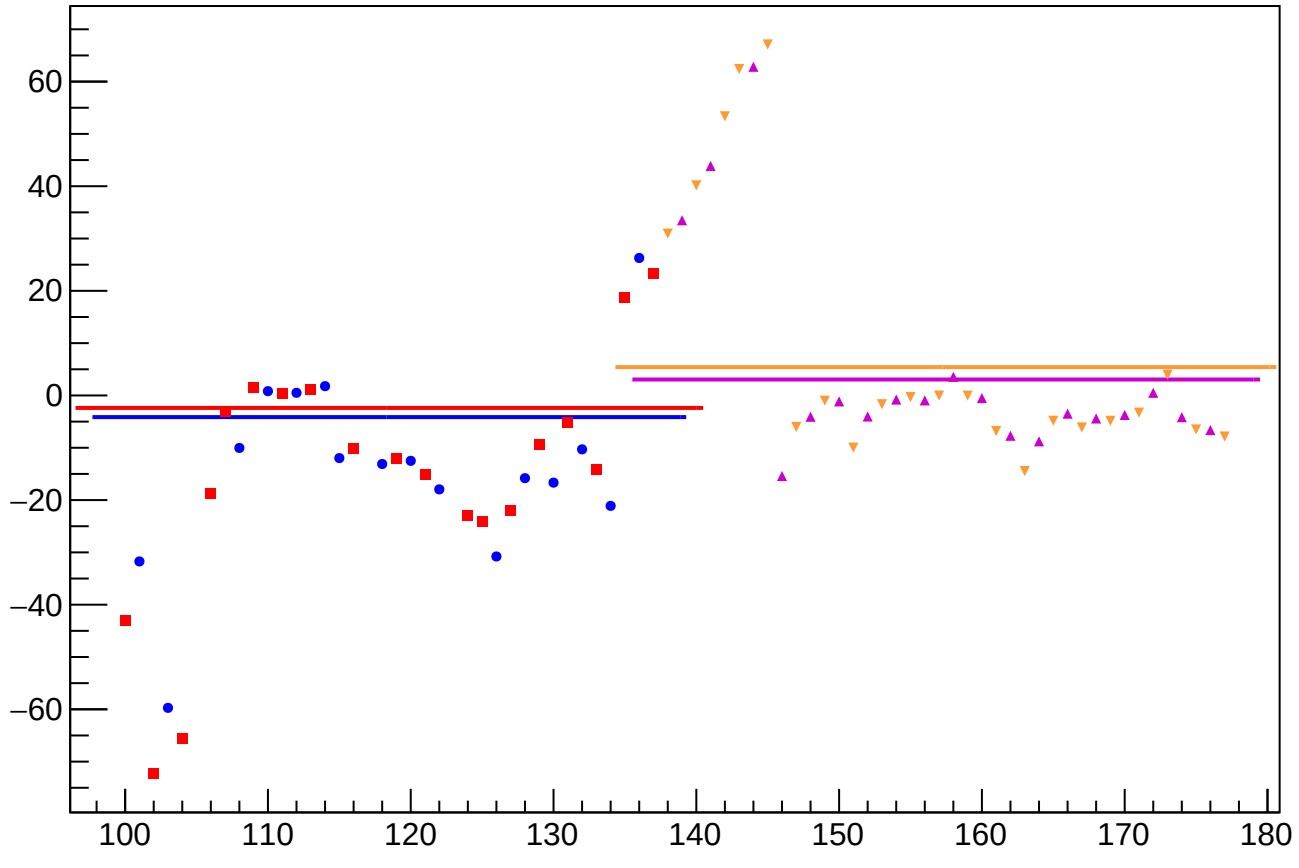
Left: -0.091+/-0.001 χ^2/NDF: 7541.5/39

Right: -0.213+/-0.003 χ^2/NDF: 27909.3/34

In: -0.106+/-0.002 χ^2/NDF:17697.4/34

Out: -0.116+/-0.002 χ^2/NDF:19326.6/39

All: -0.111+/-0.001 χ^2/NDF: 37044.3/74



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 5.420+/-0.051 χ^2/NDF:166537.8/20

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

Left In: 3.049+/-0.048 χ^2/NDF:125897.2/18

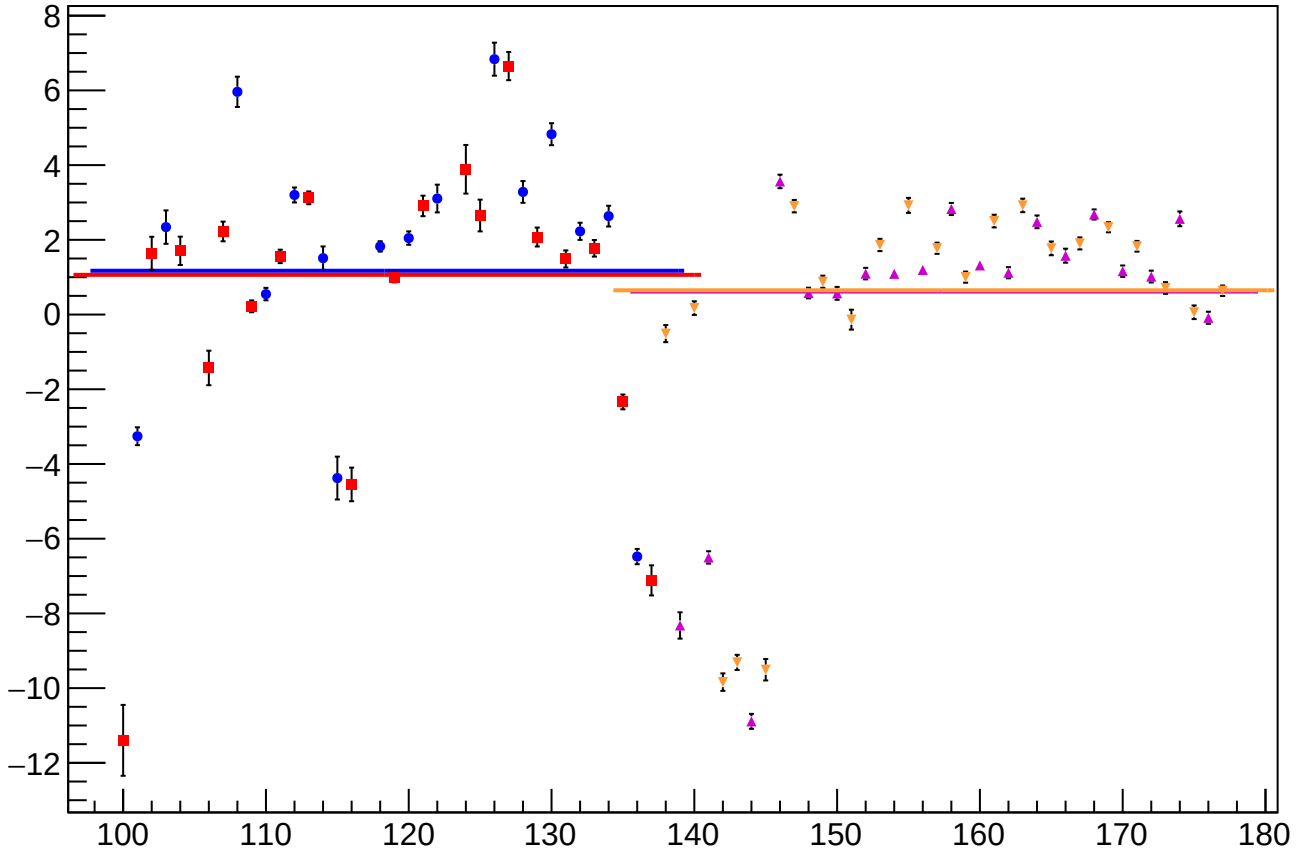
Left: 4.162+/-0.035 χ^2/NDF: 293591.5/39

Right: -3.111+/-0.035 χ^2/NDF: 156520.4/34

In: -0.085+/-0.036 χ^2/NDF:211002.0/34

Out: 1.122+/-0.034 χ^2/NDF:260205.9/39

All: 0.550+/-0.025 χ^2/NDF: 471804.1/74



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: 0.649+/-0.038 χ^2/NDF:6751.0/20

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

Left In: 0.615+/-0.035 χ^2/NDF:6857.8/18

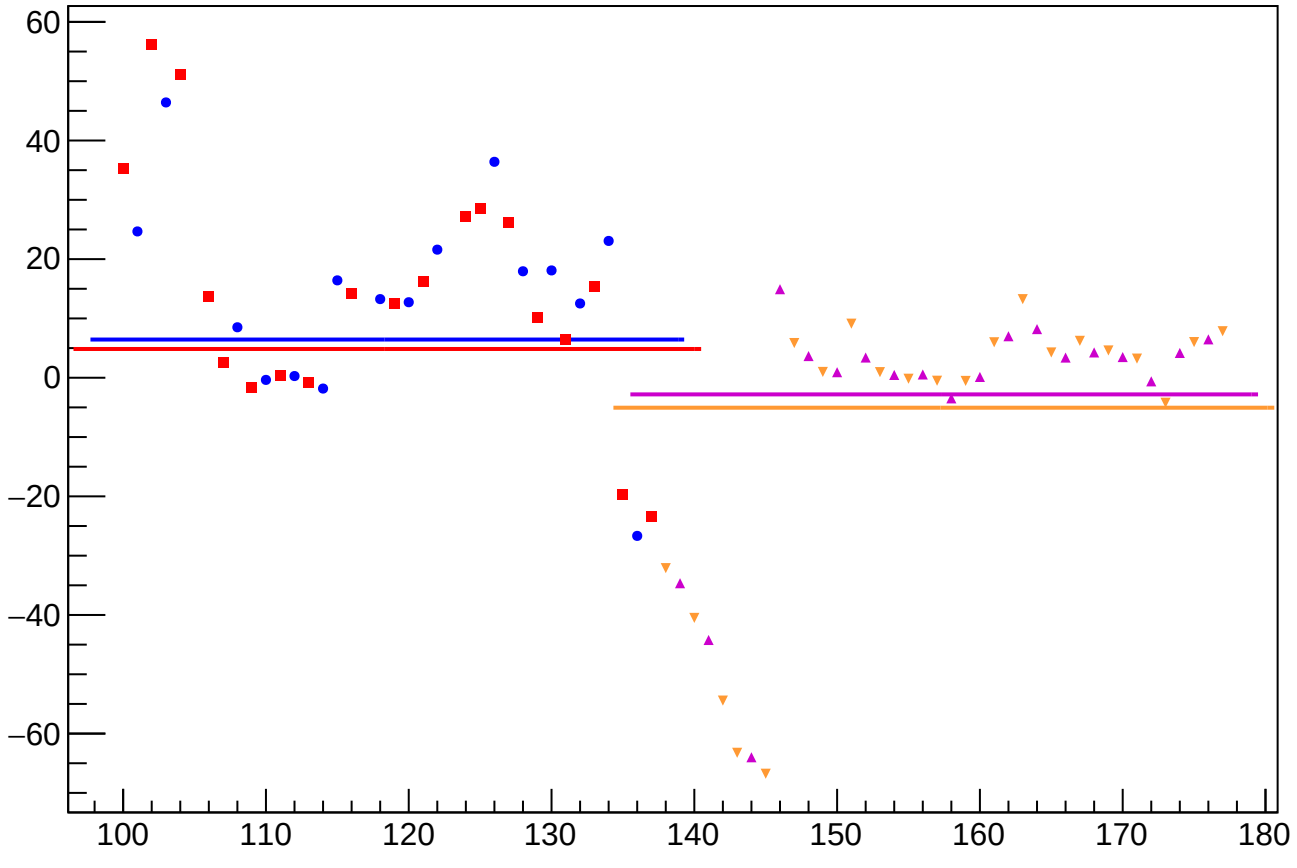
Left: 0.631+/-0.026 χ^2/NDF: 13609.2/39

Right: 1.115+/-0.041 χ^2/NDF: 4182.7/34

In: 0.757+/-0.030 χ^2/NDF:9506.4/34

Out: 0.776+/-0.031 χ^2/NDF:8384.1/39

All: 0.766+/-0.022 χ^2/NDF: 17890.7/74



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -5.052+/-0.050 χ^2/NDF:161204.7/20

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

Left In: -2.807+/-0.047 χ^2/NDF:122953.4/18

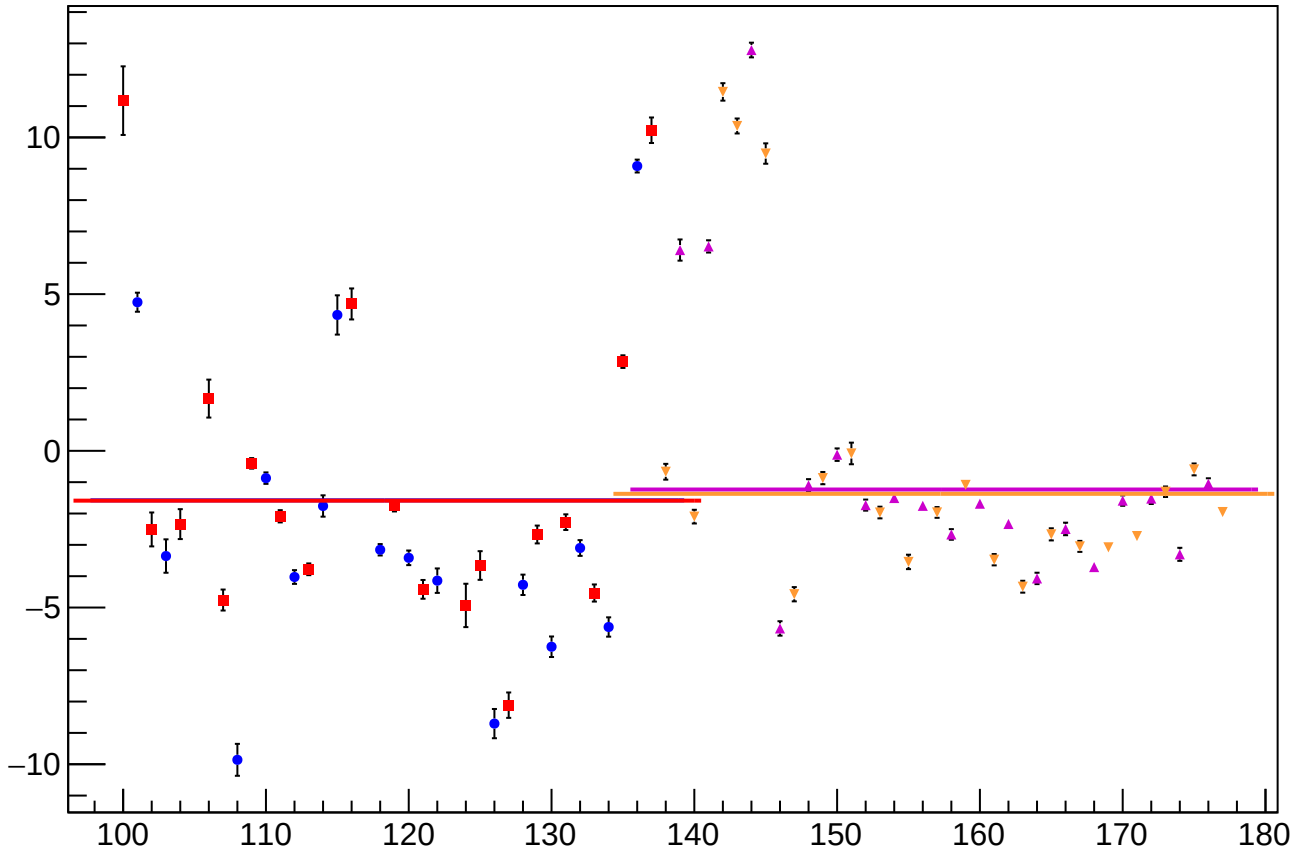
Left: -3.849+/-0.034 χ^2/NDF: 285236.6/39

Right: 5.568+/-0.044 χ^2/NDF: 146121.3/34

In: 0.338+/-0.038 χ^2/NDF:207005.8/34

Out: -0.895+/-0.038 χ^2/NDF:252798.8/39

All: -0.274+/-0.027 χ^2/NDF: 460332.5/74



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: -1.372+/-0.042 χ^2/NDF:6739.1/20

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

Left In: -1.234+/-0.039 χ^2/NDF:6852.6/18

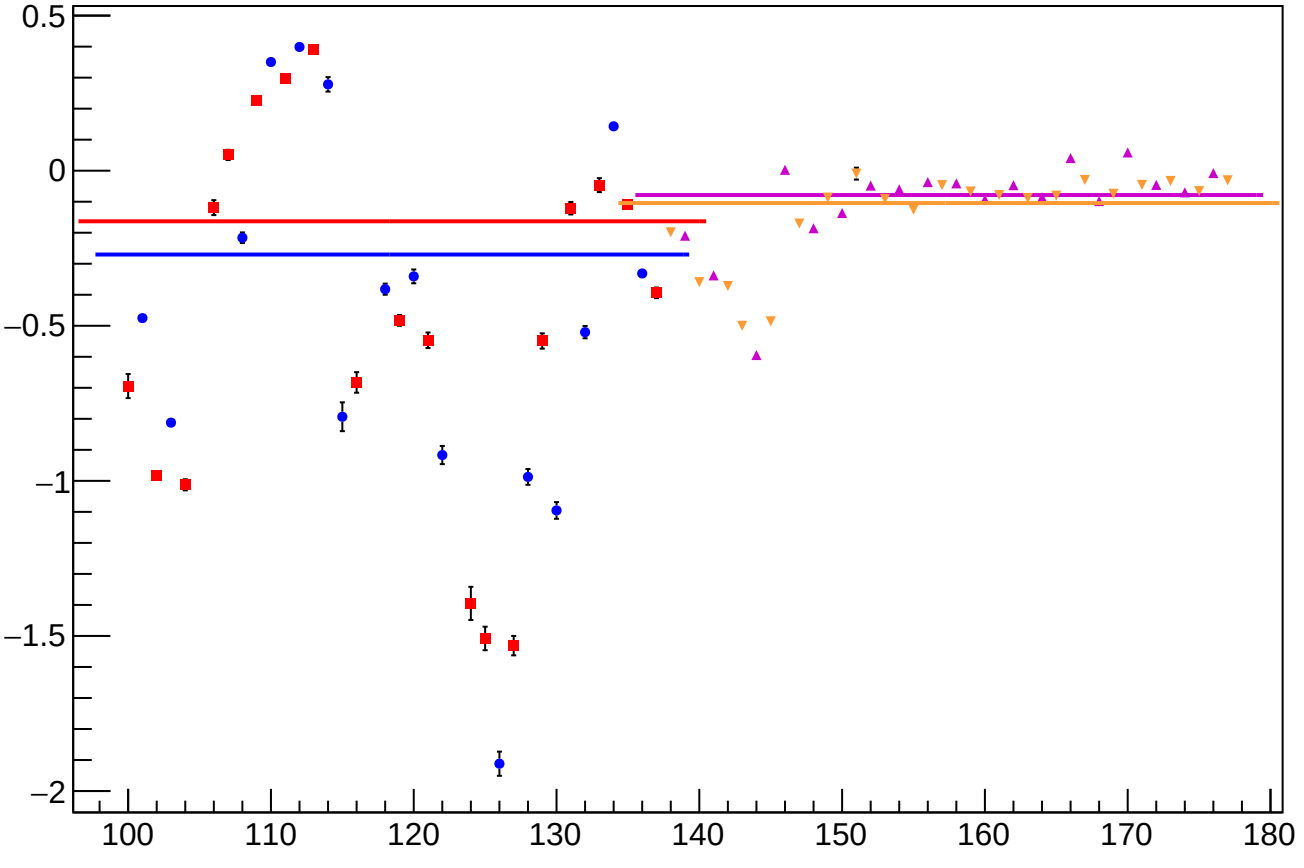
Left: -1.298+/-0.029 χ^2/NDF: 13597.4/39

Right: -1.585+/-0.047 χ^2/NDF: 6996.4/34

In: -1.319+/-0.034 χ^2/NDF:11395.7/34

Out: -1.438+/-0.035 χ^2/NDF:9219.2/39

All: -1.376+/-0.025 χ^2/NDF: 20620.8/74



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.104+/-0.002 χ^2/NDF:3650.8/20

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

Left In: -0.079+/-0.002 χ^2/NDF:3785.2/18

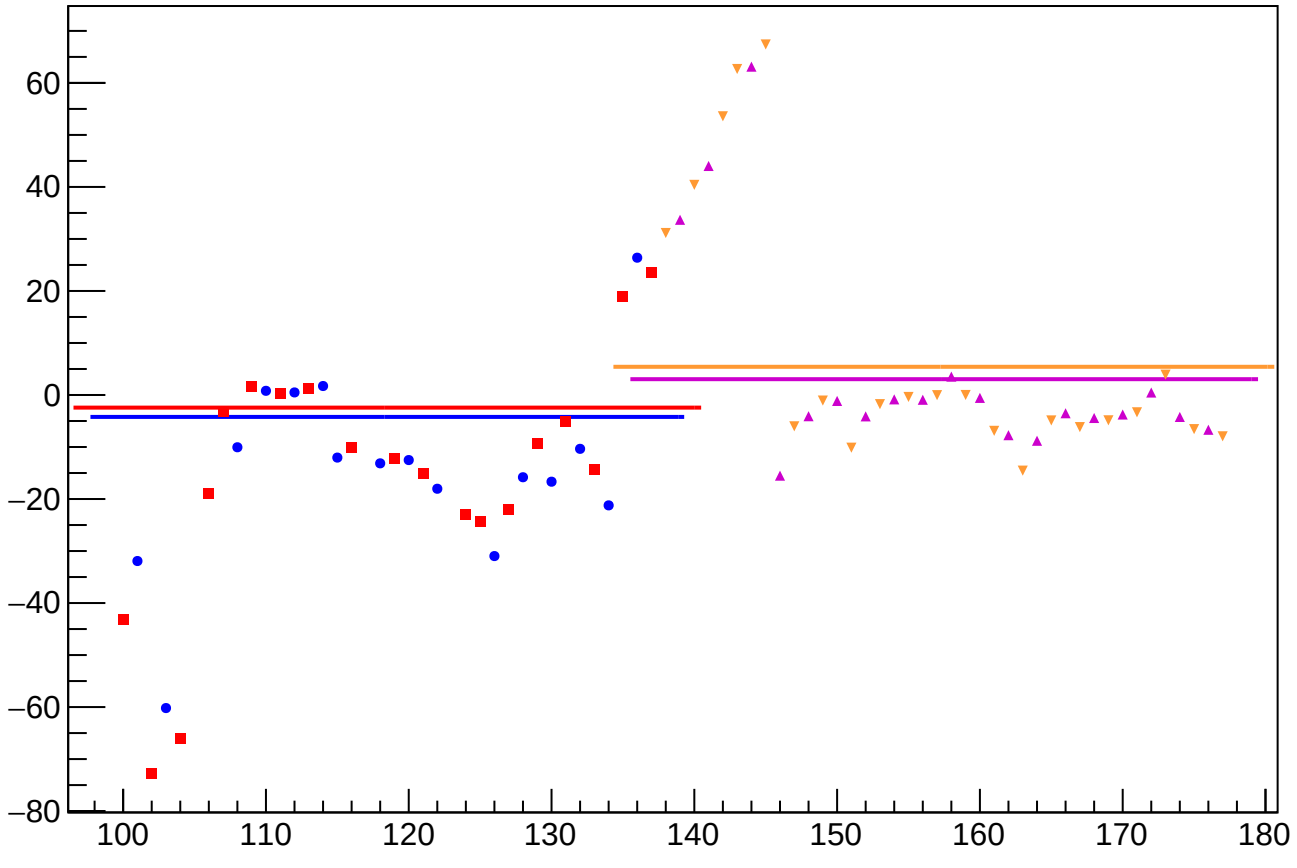
Left: -0.090+/-0.001 χ^2/NDF: 7544.0/39

Right: -0.212+/-0.003 χ^2/NDF: 27912.3/34

In: -0.105+/-0.002 χ^2/NDF:17674.2/34

Out: -0.116+/-0.002 χ^2/NDF:19356.4/39

All: -0.110+/-0.001 χ^2/NDF: 37051.7/74



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 5.422+/-0.051 χ^2/NDF:166913.1/20

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

Left In: 3.039+/-0.048 χ^2/NDF:126030.0/18

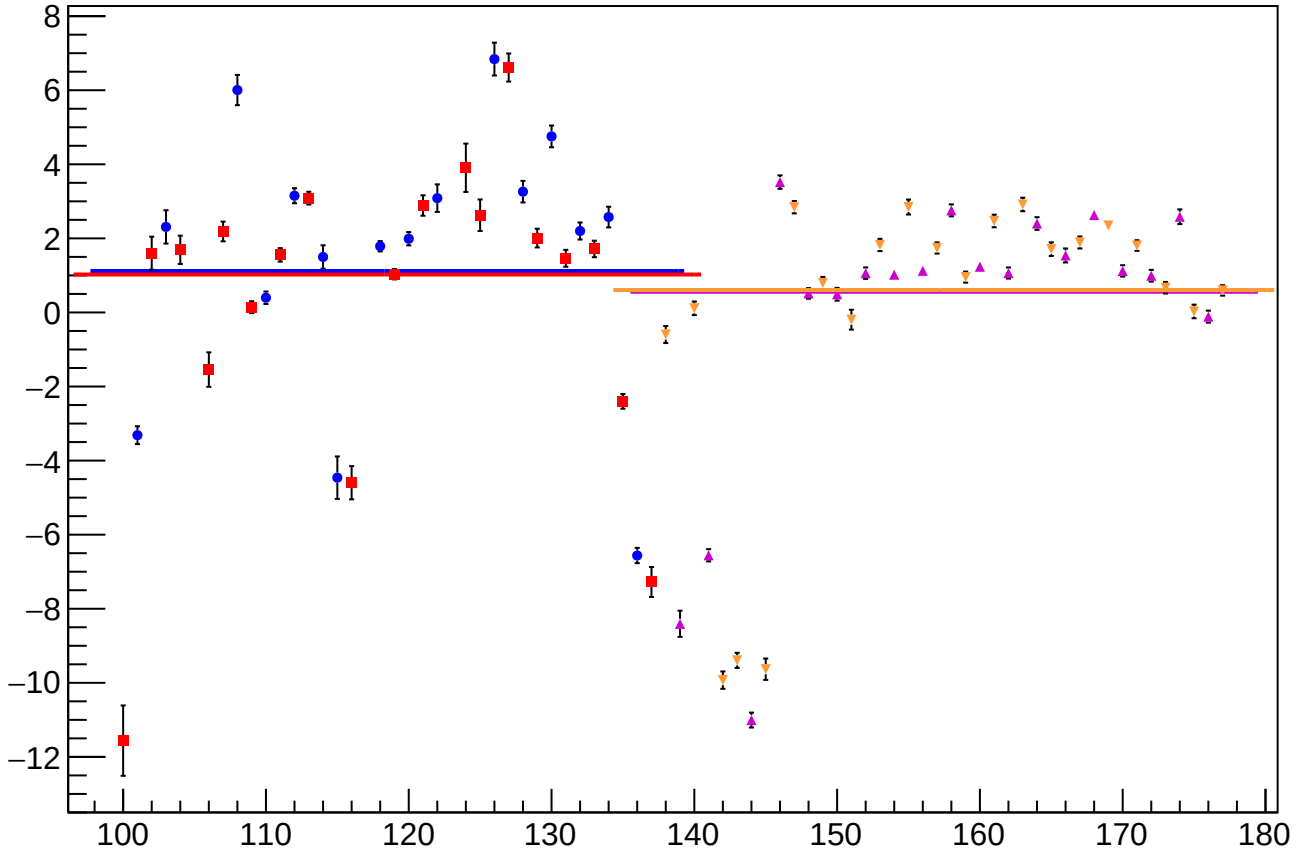
Left: 4.157+/-0.035 χ^2/NDF: 294100.9/39

Right: -3.171+/-0.035 χ^2/NDF: 156563.0/34

In: -0.113+/-0.036 χ^2/NDF:211184.4/34

Out: 1.109+/-0.034 χ^2/NDF:260651.6/39

All: 0.530+/-0.025 χ^2/NDF: 472439.7/74



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: 0.605+/-0.038 χ^2/NDF:6772.5/20

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

Left In: 0.560+/-0.035 χ^2/NDF:6842.7/18

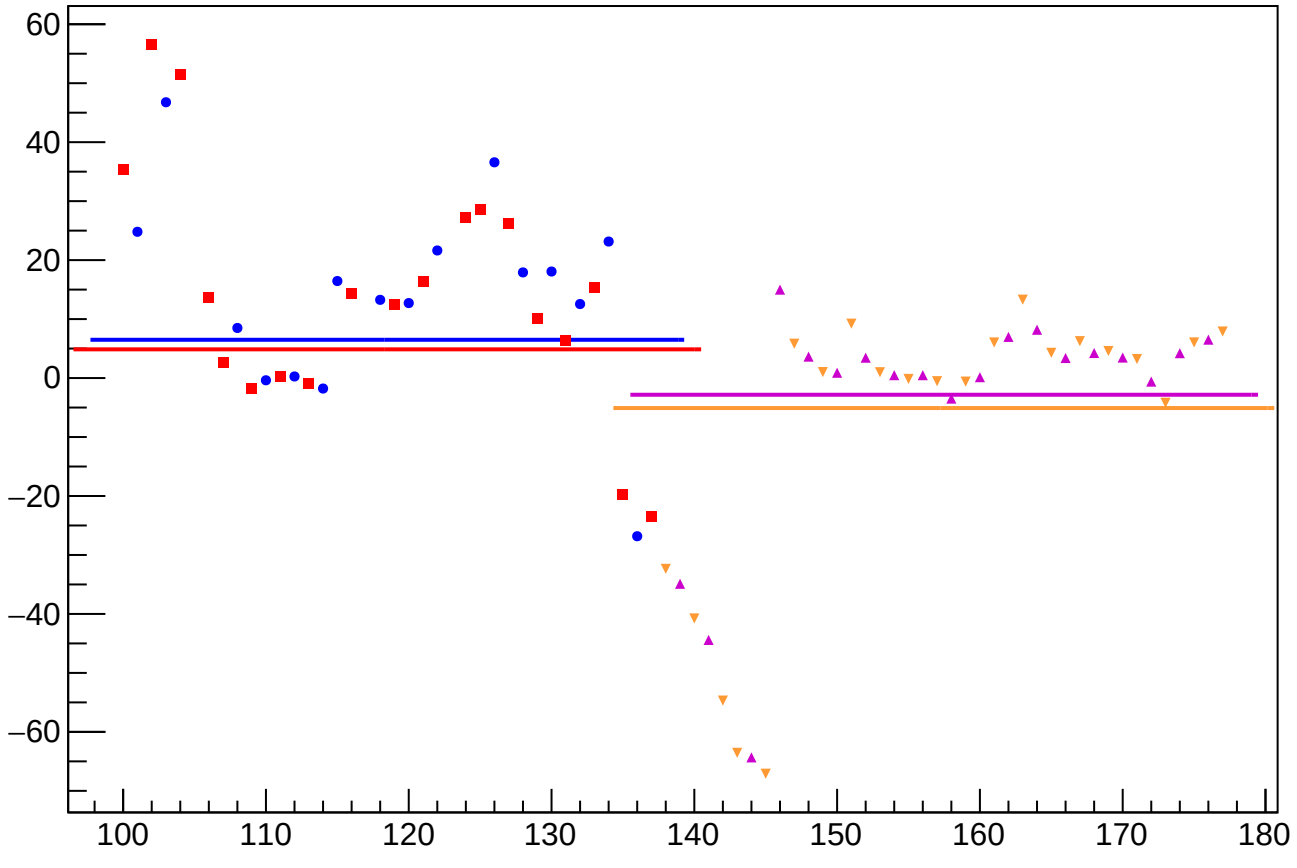
Left: 0.581+/-0.026 χ^2/NDF: 13616.0/39

Right: 1.069+/-0.042 χ^2/NDF: 4205.0/34

In: 0.701+/-0.030 χ^2/NDF:9498.1/34

Out: 0.733+/-0.032 χ^2/NDF:8421.8/39

All: 0.717+/-0.022 χ^2/NDF: 17920.5/74



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -5.087+/-0.050 χ^2/NDF:161579.8/20

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

Left In: -2.832+/-0.047 χ^2/NDF:123098.7/18

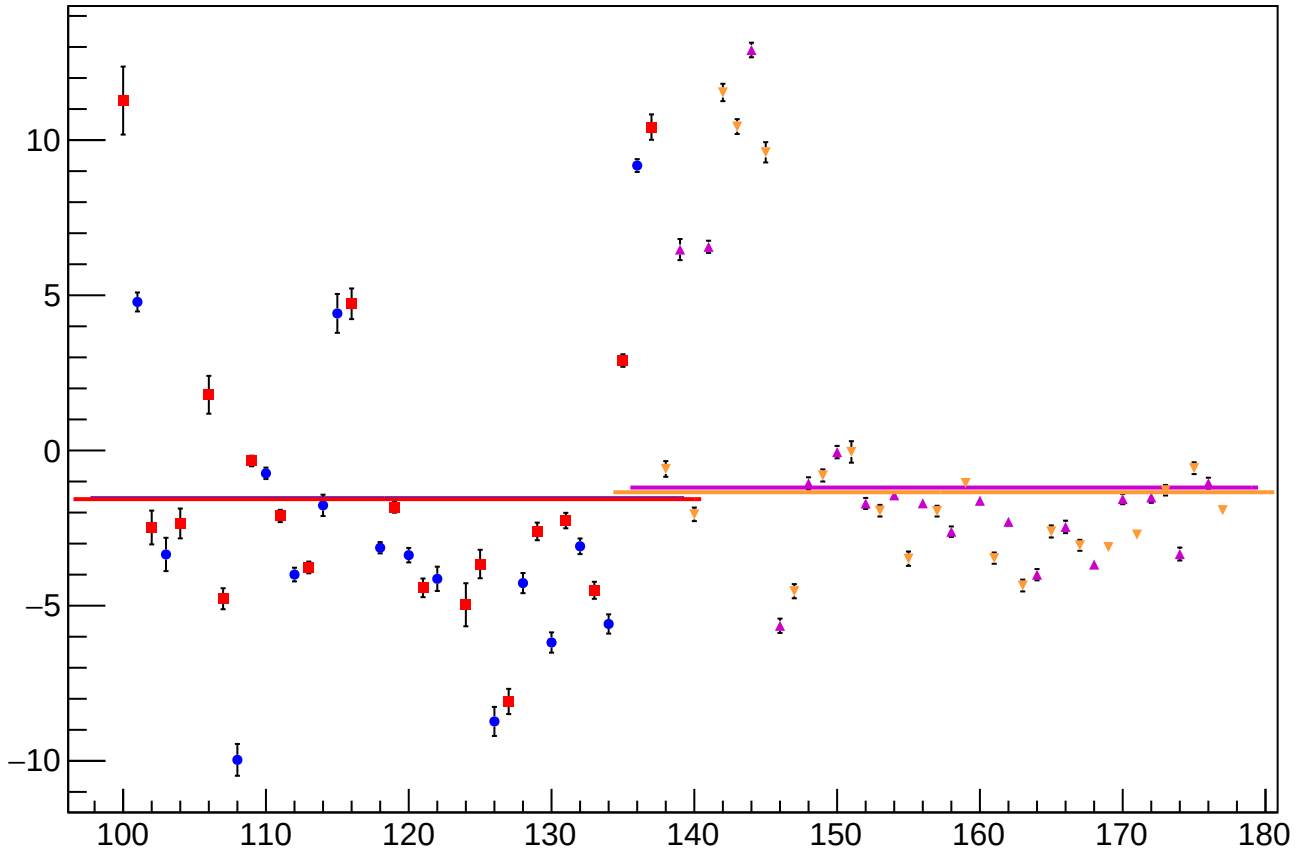
Left: -3.878+/-0.034 χ^2/NDF: 285757.6/39

Right: 5.602+/-0.044 χ^2/NDF: 146229.3/34

In: 0.331+/-0.038 χ^2/NDF:207227.6/34

Out: -0.916+/-0.038 χ^2/NDF:253281.5/39

All: -0.288+/-0.027 χ^2/NDF: 461043.3/74



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: -1.345+/-0.042 χ^2/NDF:6763.5/20

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

Left In: -1.194+/-0.040 χ^2/NDF:6843.1/18

Left: -1.264+/-0.029 χ^2/NDF: 13613.4/39

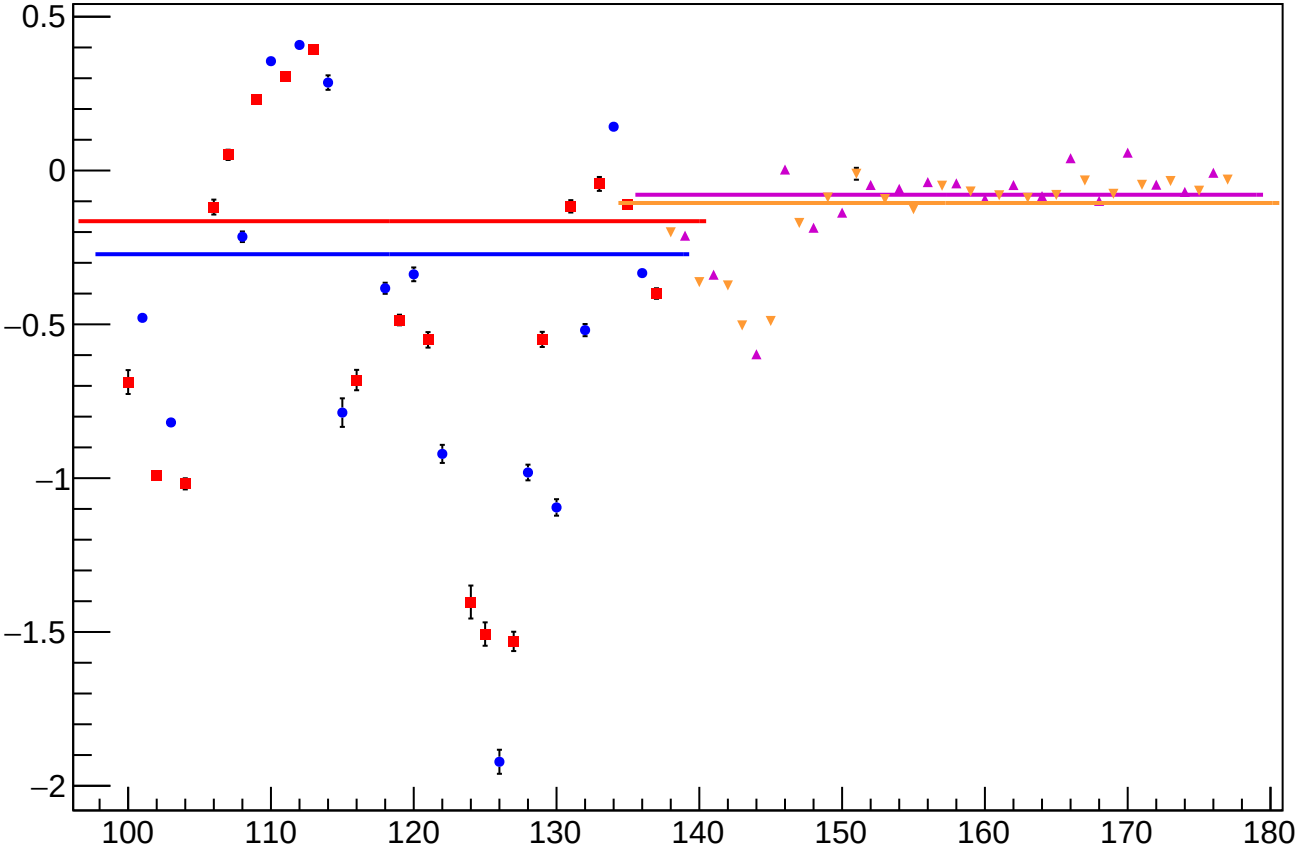
Right: -1.555+/-0.047 χ^2/NDF: 7032.9/34

In: -1.279+/-0.034 χ^2/NDF:11397.7/34

Out: -1.412+/-0.035 χ^2/NDF:9268.8/39

All: -1.343+/-0.025 χ^2/NDF: 20673.8/74

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.105+/-0.002 χ^2/NDF:3660.5/20

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

Left In: -0.079+/-0.002 χ^2/NDF:3782.8/18

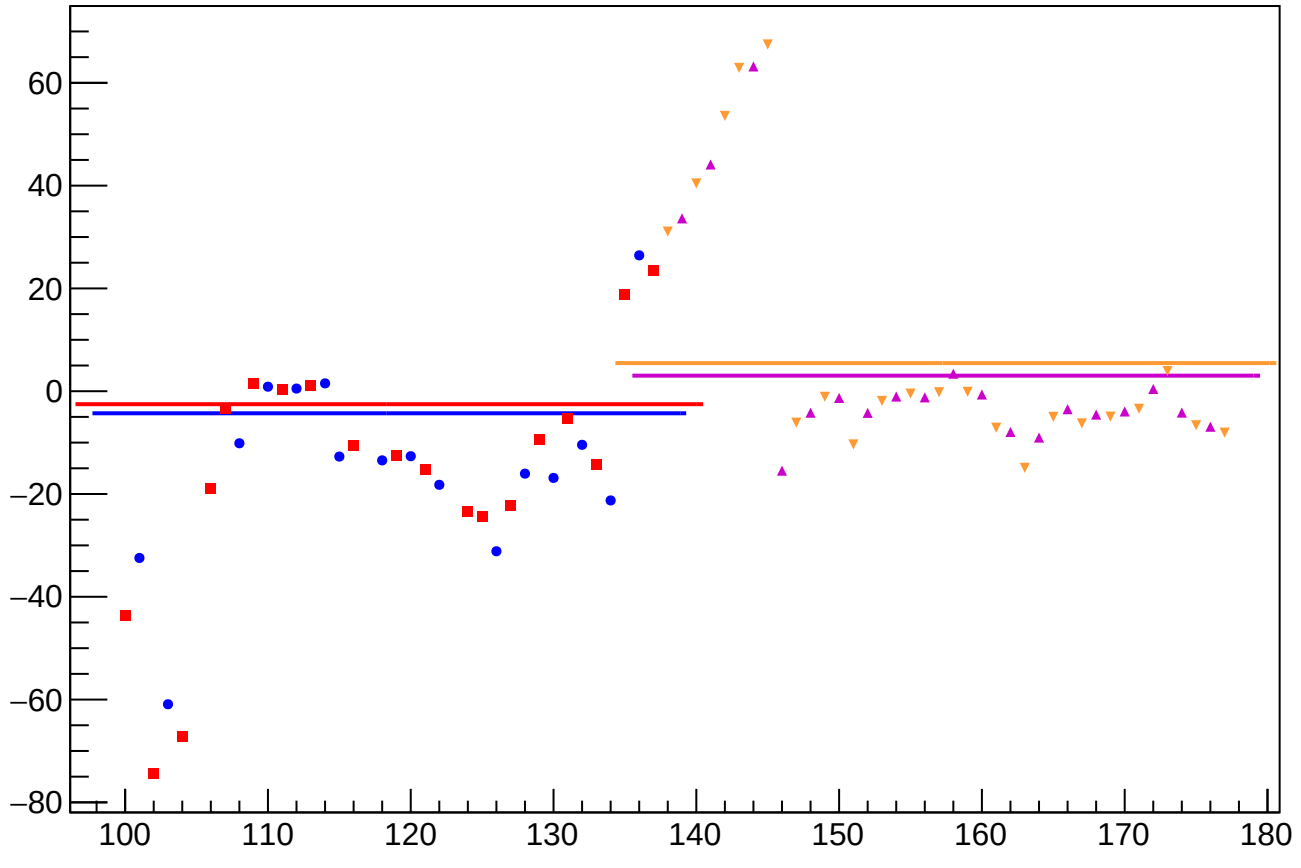
Left: -0.091+/-0.001 χ^2/NDF: 7558.2/39

Right: -0.214+/-0.003 χ^2/NDF: 27917.4/34

In: -0.106+/-0.002 χ^2/NDF:17708.6/34

Out: -0.117+/-0.002 χ^2/NDF:19346.8/39

All: -0.111+/-0.001 χ^2/NDF: 37080.0/74



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 5.474+/-0.052 χ^2/NDF:164481.4/20

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

Left In: 3.026+/-0.049 χ^2/NDF:124070.5/18

Left: 4.179+/-0.036 χ^2/NDF: 289731.2/39

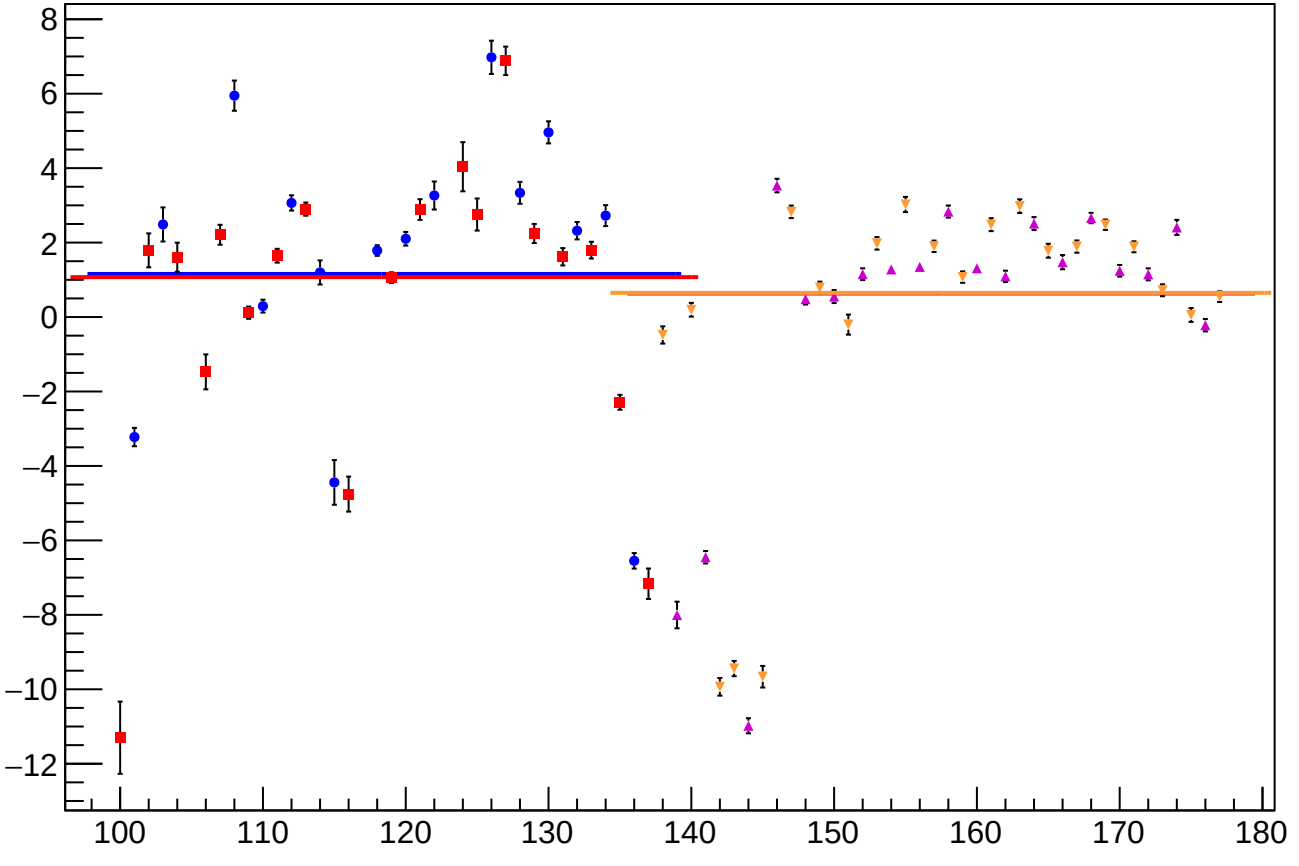
Right: -3.265+/-0.036 χ^2/NDF: 154689.9/34

In: -0.161+/-0.037 χ^2/NDF:208033.9/34

Out: 1.103+/-0.035 χ^2/NDF:257373.2/39

All: 0.504+/-0.025 χ^2/NDF: 466028.9/74

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: 0.650+/-0.039 χ^2/NDF:6755.2/20

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

Left In: 0.631+/-0.036 χ^2/NDF:6668.4/18

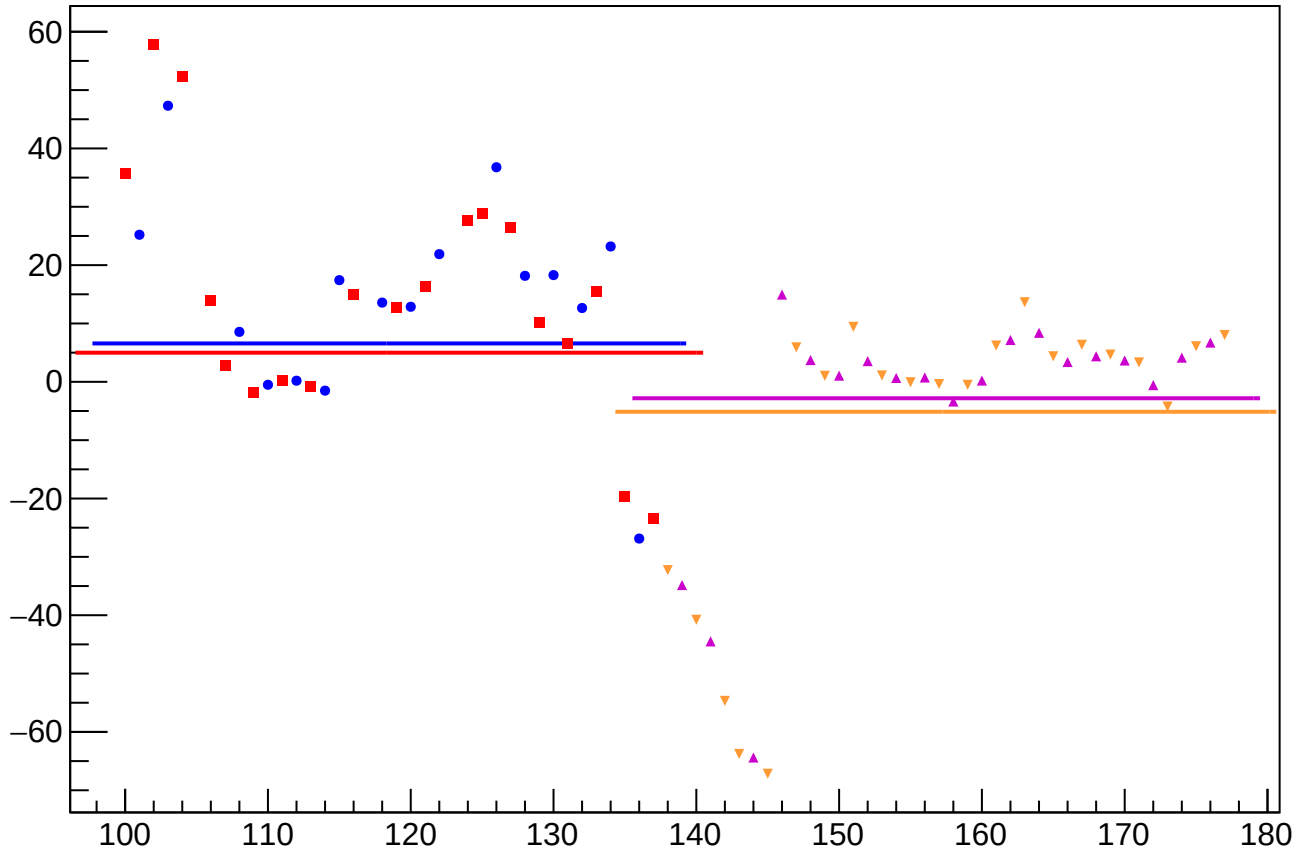
Left: 0.640+/-0.026 χ^2/NDF: 13423.8/39

Right: 1.113+/-0.042 χ^2/NDF: 4102.4/34

In: 0.765+/-0.031 χ^2/NDF:9273.0/34

Out: 0.779+/-0.032 χ^2/NDF:8343.0/39

All: 0.772+/-0.022 χ^2/NDF: 17616.0/74



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -5.132+/-0.051 χ^2/NDF:159228.3/20

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

Left In: -2.814+/-0.048 χ^2/NDF:121169.3/18

Left: -3.893+/-0.035 χ^2/NDF: 281497.6/39

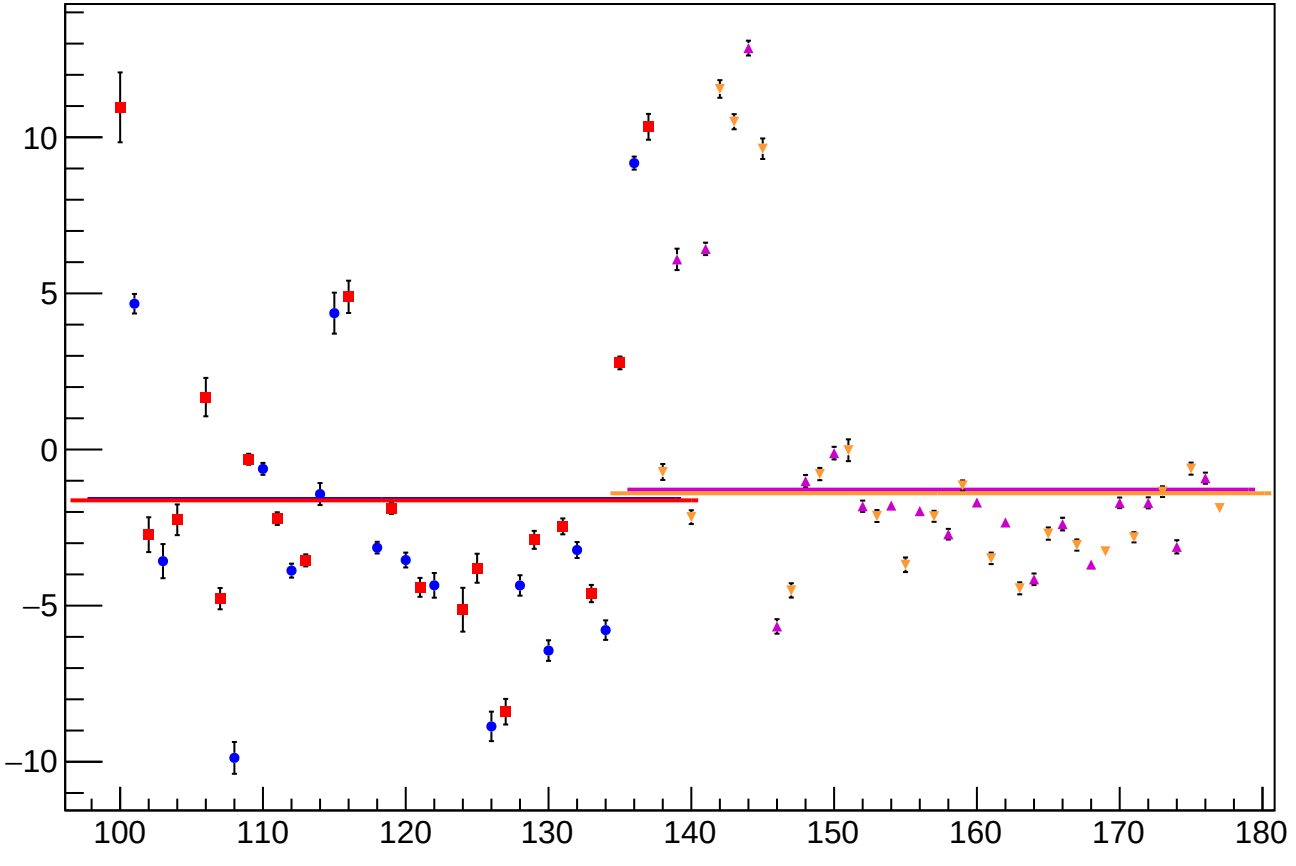
Right: 5.710+/-0.045 χ^2/NDF: 144504.9/34

In: 0.383+/-0.039 χ^2/NDF:204099.7/34

Out: -0.911+/-0.039 χ^2/NDF:250060.8/39

All: -0.260+/-0.027 χ^2/NDF: 454714.6/74

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: -1.401+/-0.043 χ^2/NDF:6736.7/20

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

Left In: -1.285+/-0.040 χ^2/NDF:6646.8/18

Left: -1.339+/-0.029 χ^2/NDF: 13387.3/39

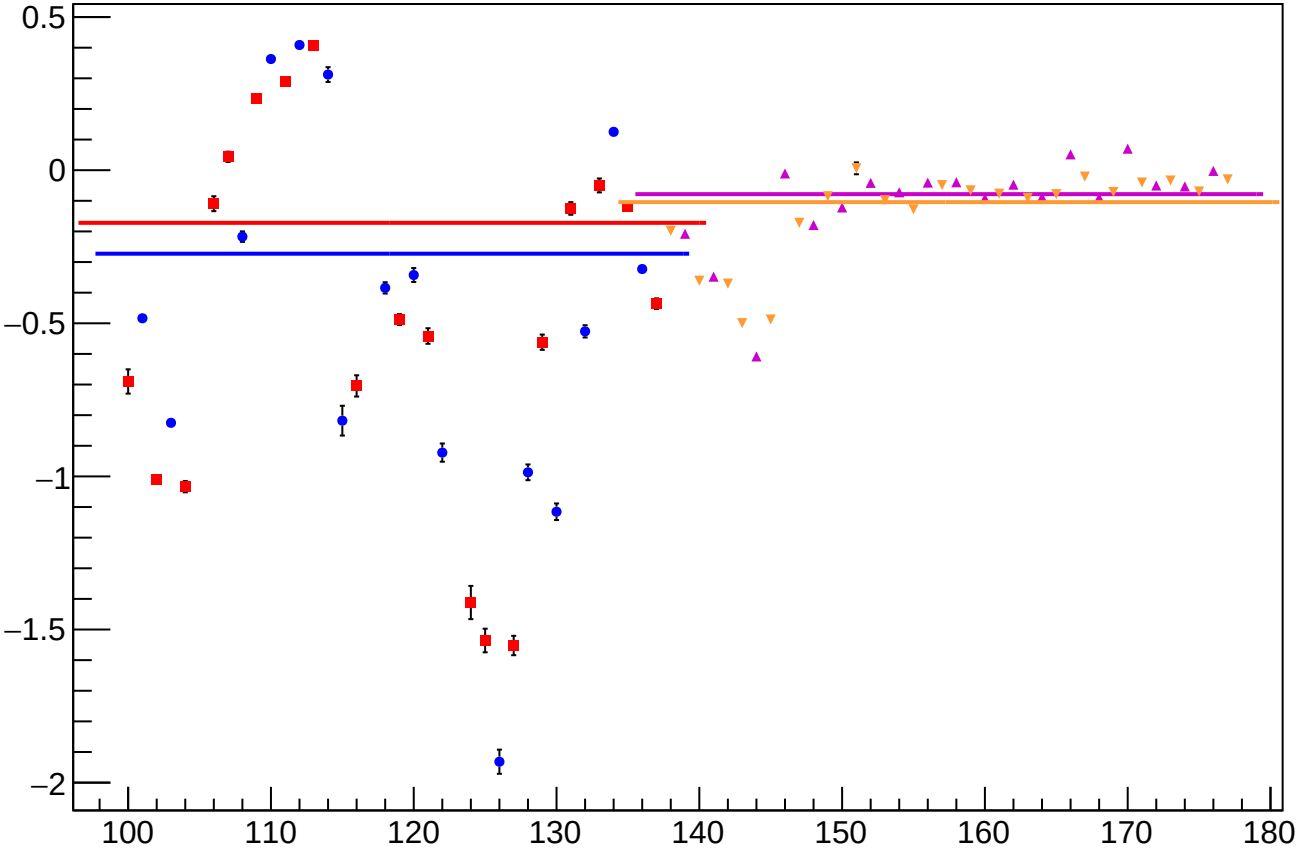
Right: -1.609+/-0.048 χ^2/NDF: 6895.1/34

In: -1.359+/-0.035 χ^2/NDF:11133.0/34

Out: -1.470+/-0.036 χ^2/NDF:9167.2/39

All: -1.413+/-0.025 χ^2/NDF: 20305.0/74

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: -0.104+/-0.002 χ^2/NDF:3596.5/20

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

Left In: -0.078+/-0.002 χ^2/NDF:3857.2/18

Left: -0.090+/-0.001 χ^2/NDF: 7558.9/39

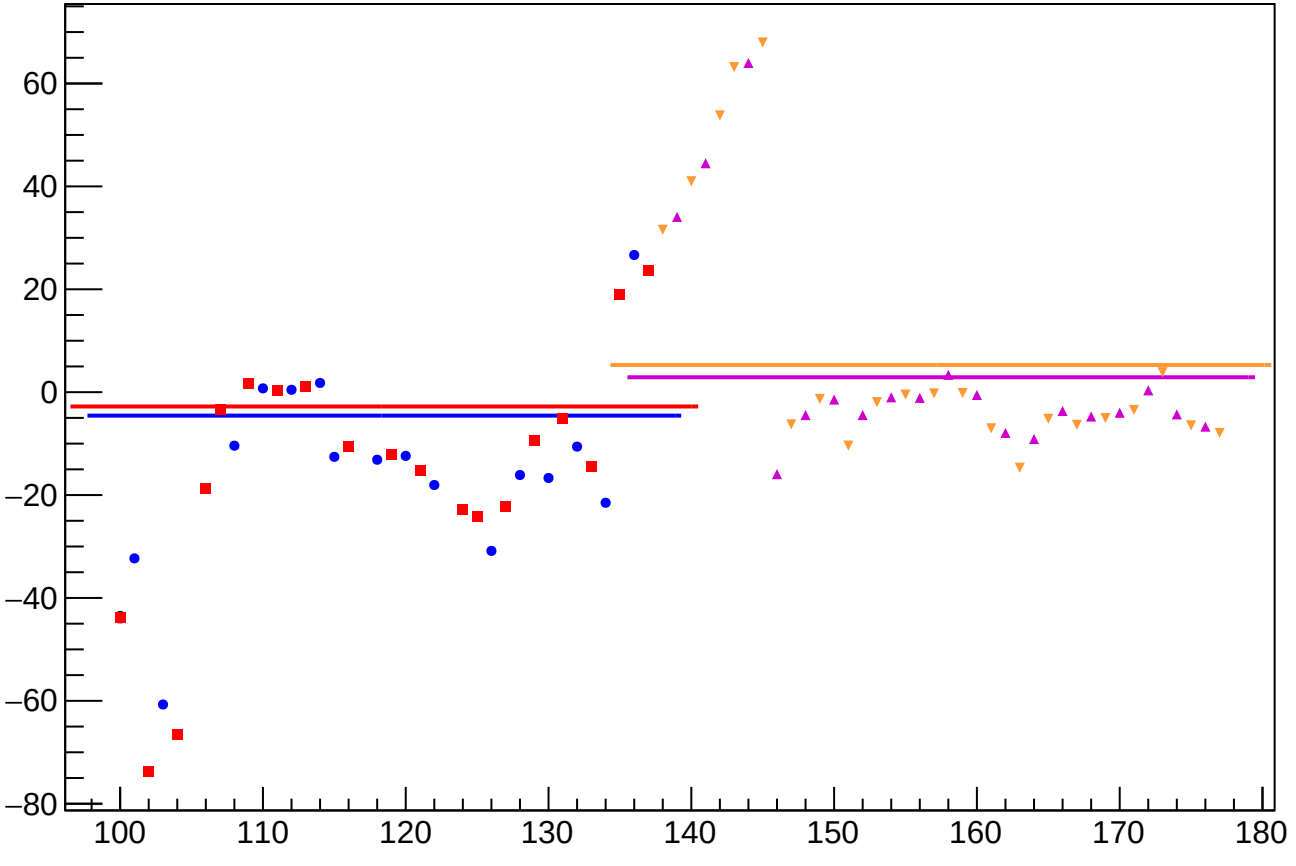
Right: -0.218+/-0.003 χ^2/NDF: 27488.4/34

In: -0.106+/-0.002 χ^2/NDF:17536.8/34

Out: -0.117+/-0.002 χ^2/NDF:19165.7/39

All: -0.111+/-0.001 χ^2/NDF: 36728.3/74

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 5.292+/-0.052 χ^2/NDF:162257.6/20

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

Left In: 2.898+/-0.049 χ^2/NDF:122809.1/18

Left: 4.029+/-0.036 χ^2/NDF: 286176.1/39

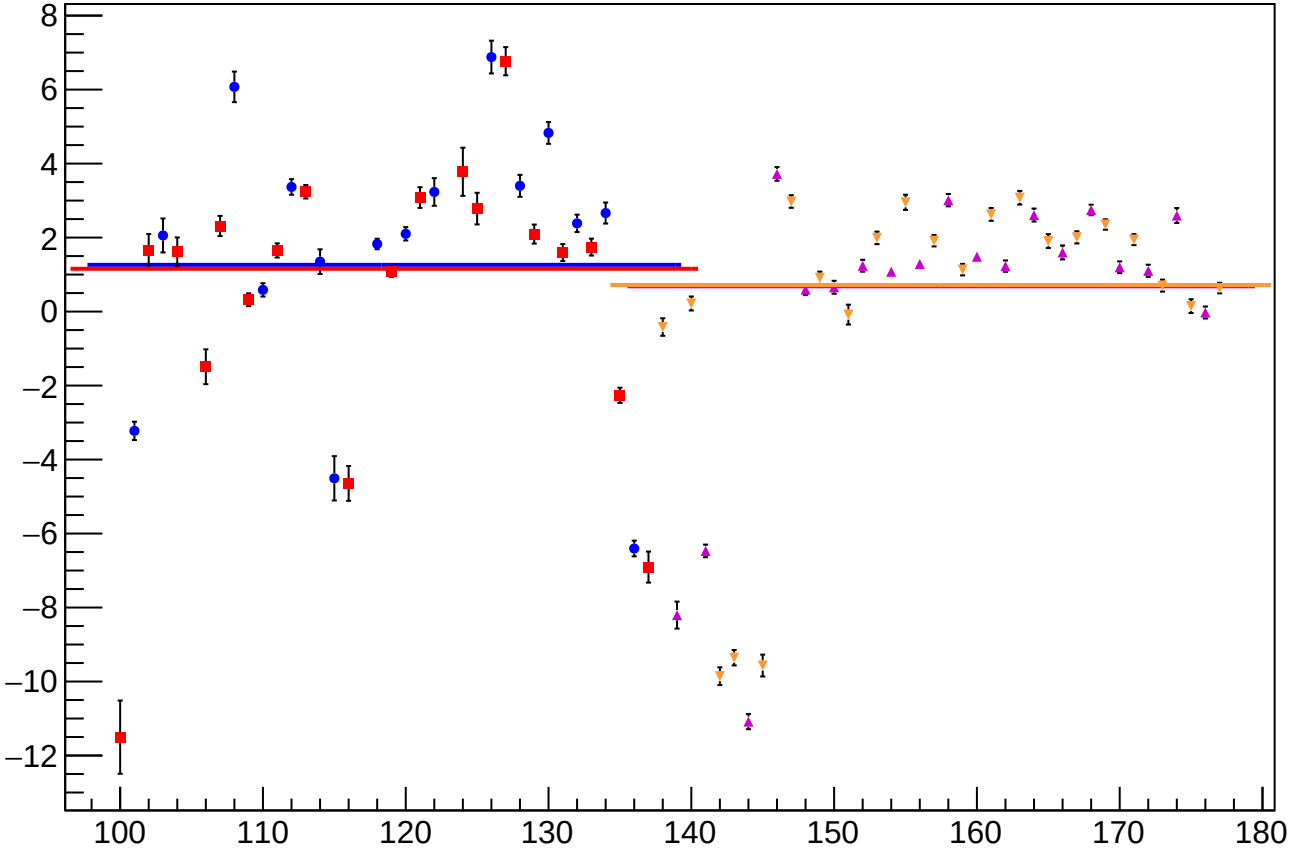
Right: -3.530+/-0.037 χ^2/NDF: 151106.4/34

In: -0.314+/-0.037 χ^2/NDF:205249.5/34

Out: 0.958+/-0.036 χ^2/NDF:252987.6/39

All: 0.353+/-0.026 χ^2/NDF: 458847.0/74

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: 0.719+/-0.039 χ^2/NDF:6540.9/20

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

Left In: 0.682+/-0.036 χ^2/NDF:6627.5/18

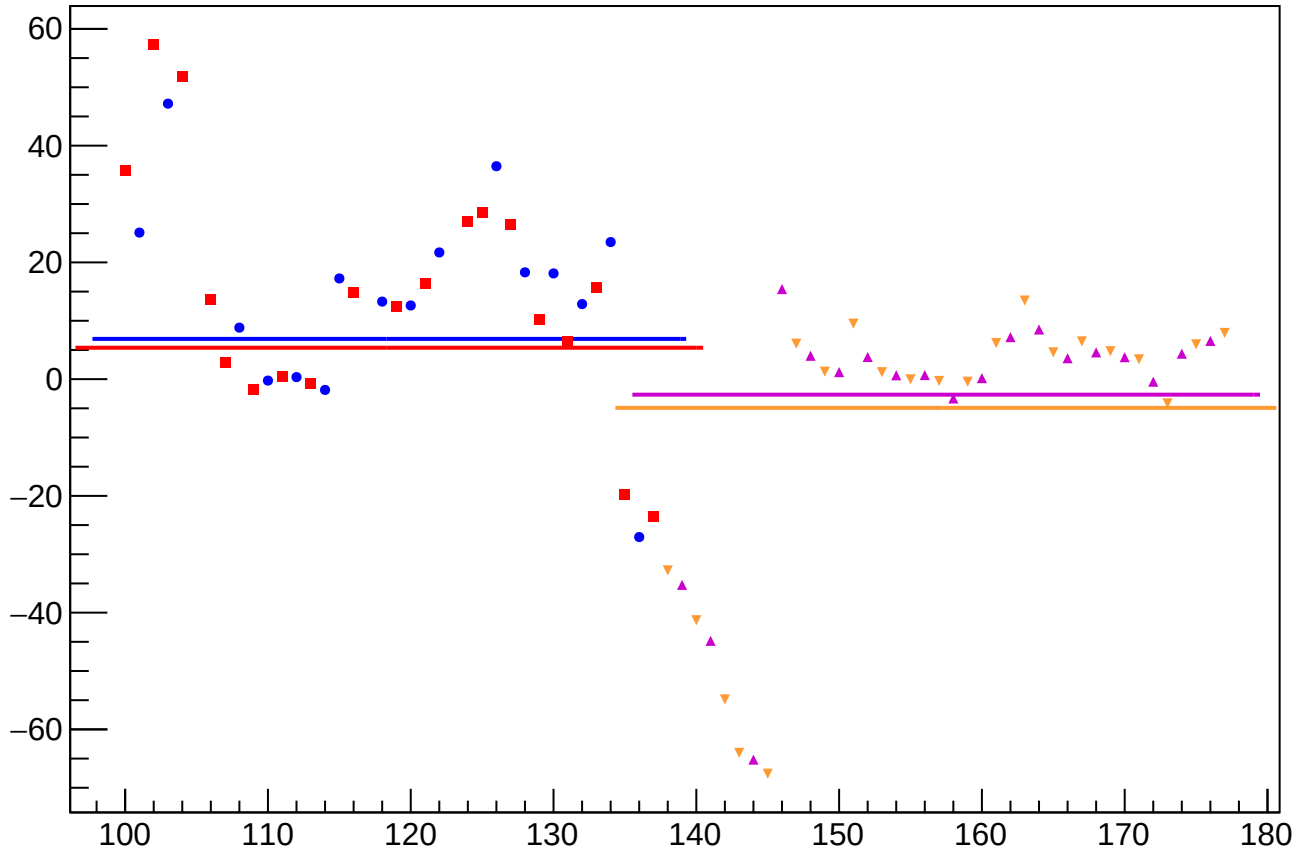
Left: 0.700+/-0.027 χ^2/NDF: 13168.9/39

Right: 1.208+/-0.043 χ^2/NDF: 3935.9/34

In: 0.831+/-0.031 χ^2/NDF:9136.6/34

Out: 0.852+/-0.032 χ^2/NDF:8069.7/39

All: 0.841+/-0.023 χ^2/NDF: 17206.5/74



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -4.921+/-0.051 χ^2/NDF:156949.4/20

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

Left In: -2.660+/-0.048 χ^2/NDF:119881.9/18

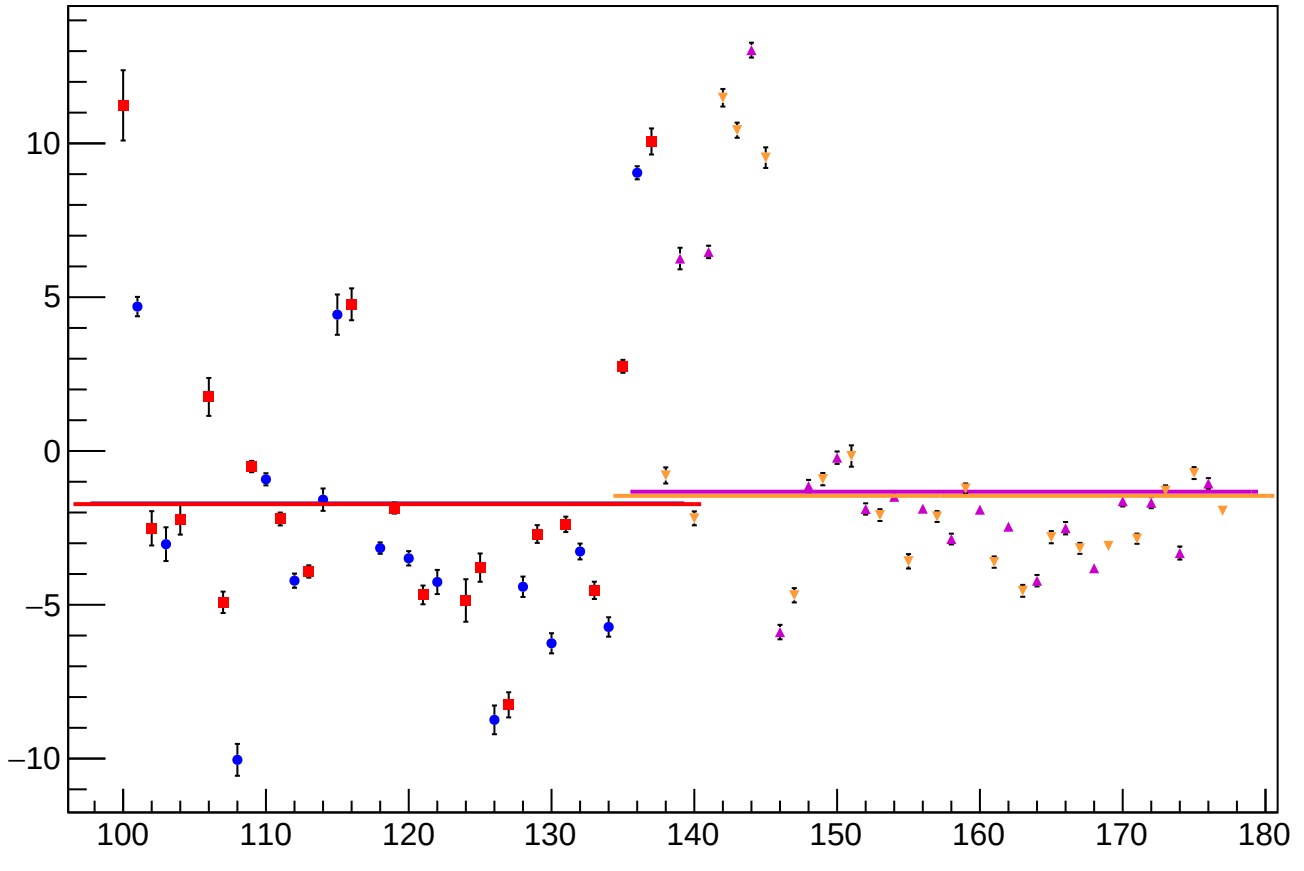
Left: -3.716+/-0.035 χ^2/NDF: 277860.3/39

Right: 6.071+/-0.045 χ^2/NDF: 140552.1/34

In: 0.573+/-0.039 χ^2/NDF:201239.6/34

Out: -0.694+/-0.040 χ^2/NDF:245626.3/39

All: -0.055+/-0.028 χ^2/NDF: 447384.2/74



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: -1.458+/-0.043 χ^2/NDF:6535.1/20

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

Left In: -1.324+/-0.041 χ^2/NDF:6644.8/18

Left: -1.387+/-0.030 χ^2/NDF: 13184.9/39

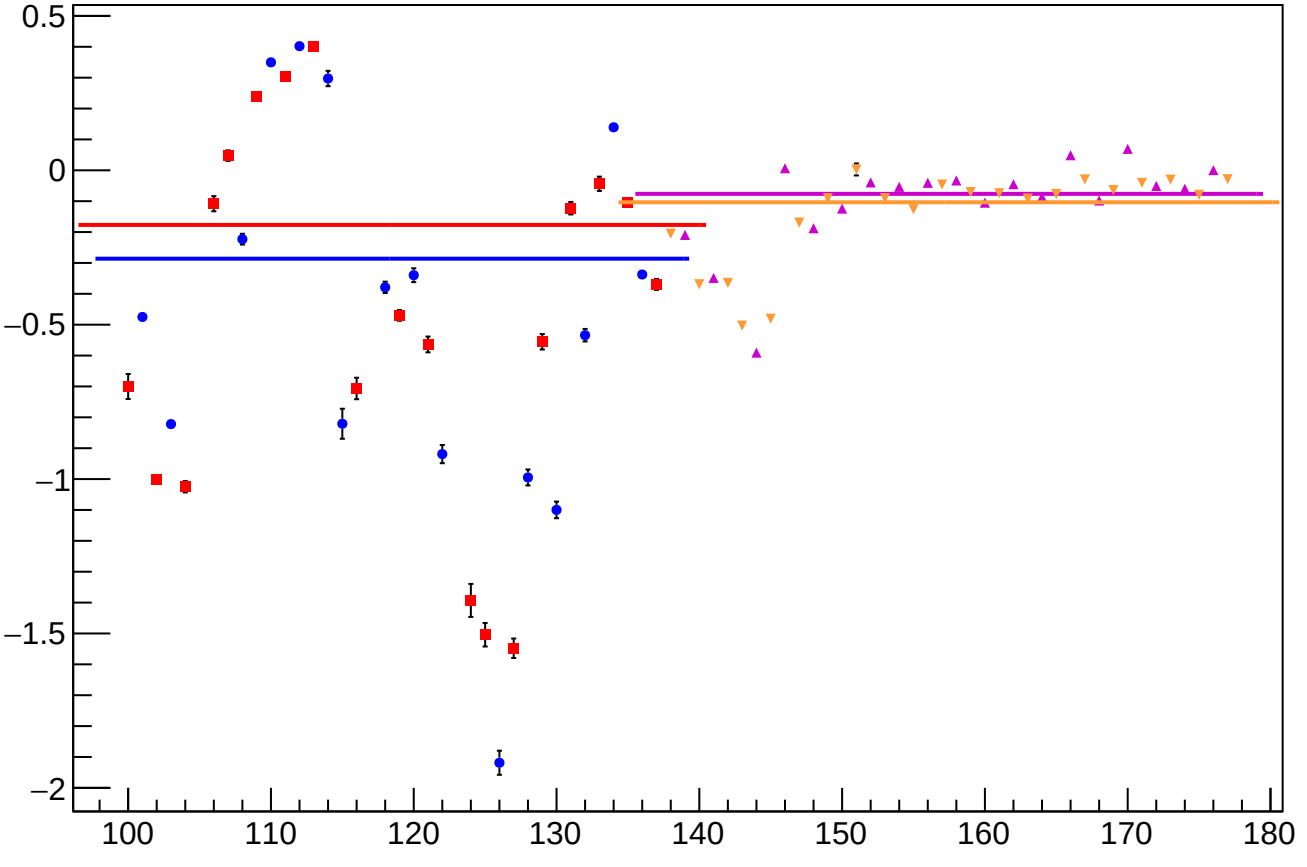
Right: -1.718+/-0.049 χ^2/NDF: 6599.4/34

In: -1.418+/-0.035 χ^2/NDF:10956.2/34

Out: -1.538+/-0.036 χ^2/NDF:8856.0/39

All: -1.477+/-0.025 χ^2/NDF: 19817.9/74

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.104+/-0.002 χ^2/NDF:3528.5/20

Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.076+/-0.002 χ^2/NDF:3729.4/18

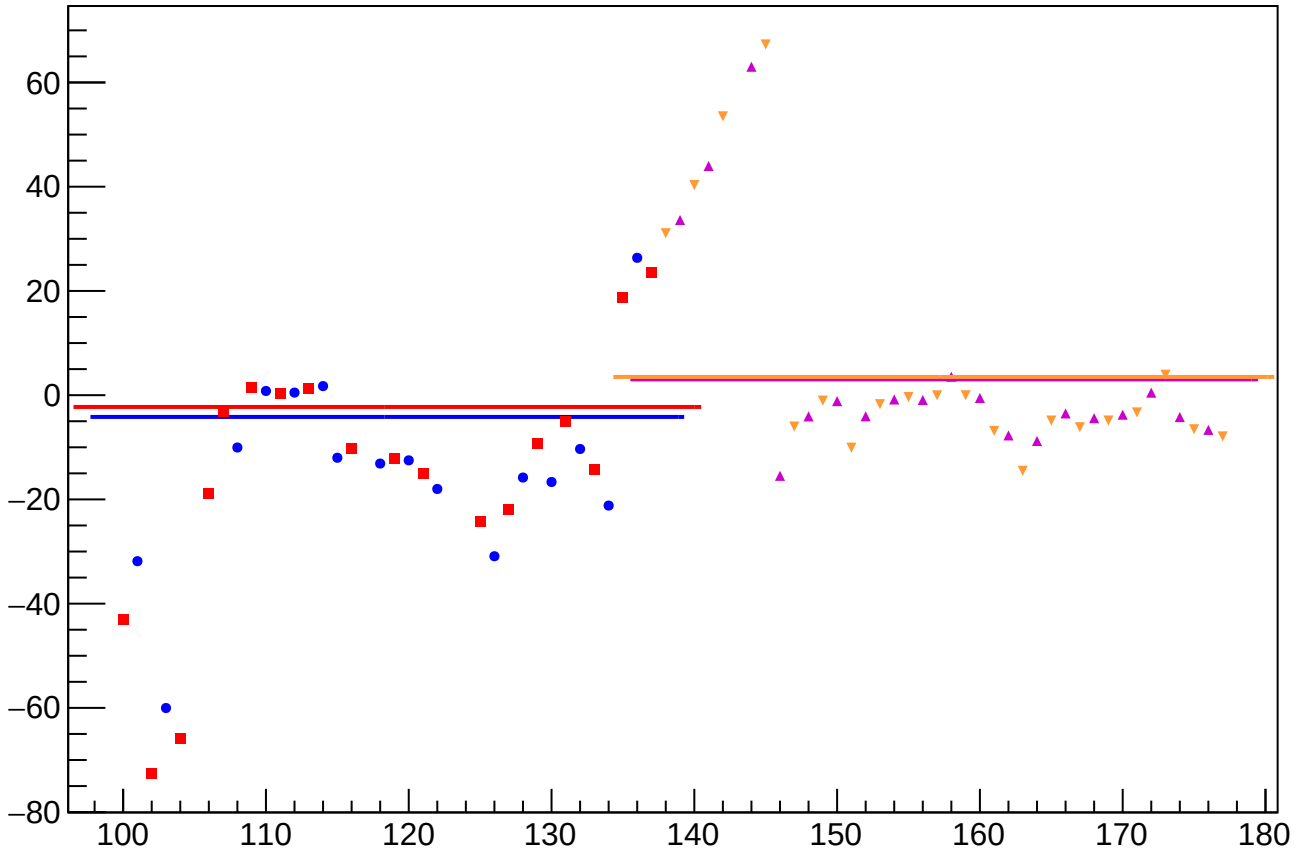
Left: -0.089+/-0.001 χ^2/NDF: 7370.2/39

Right: -0.227+/-0.003 χ^2/NDF: 26481.0/34

In: -0.106+/-0.002 χ^2/NDF:17159.2/34

Out: -0.117+/-0.002 χ^2/NDF:18576.6/39

All: -0.111+/-0.001 χ^2/NDF: 35760.6/74



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

Left Out: 3.502+/-0.052 χ^2/NDF:124906.6/19

Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 3.030+/-0.048 χ^2/NDF:126270.9/18

Left: 3.247+/-0.035 χ^2/NDF: 251222.5/38

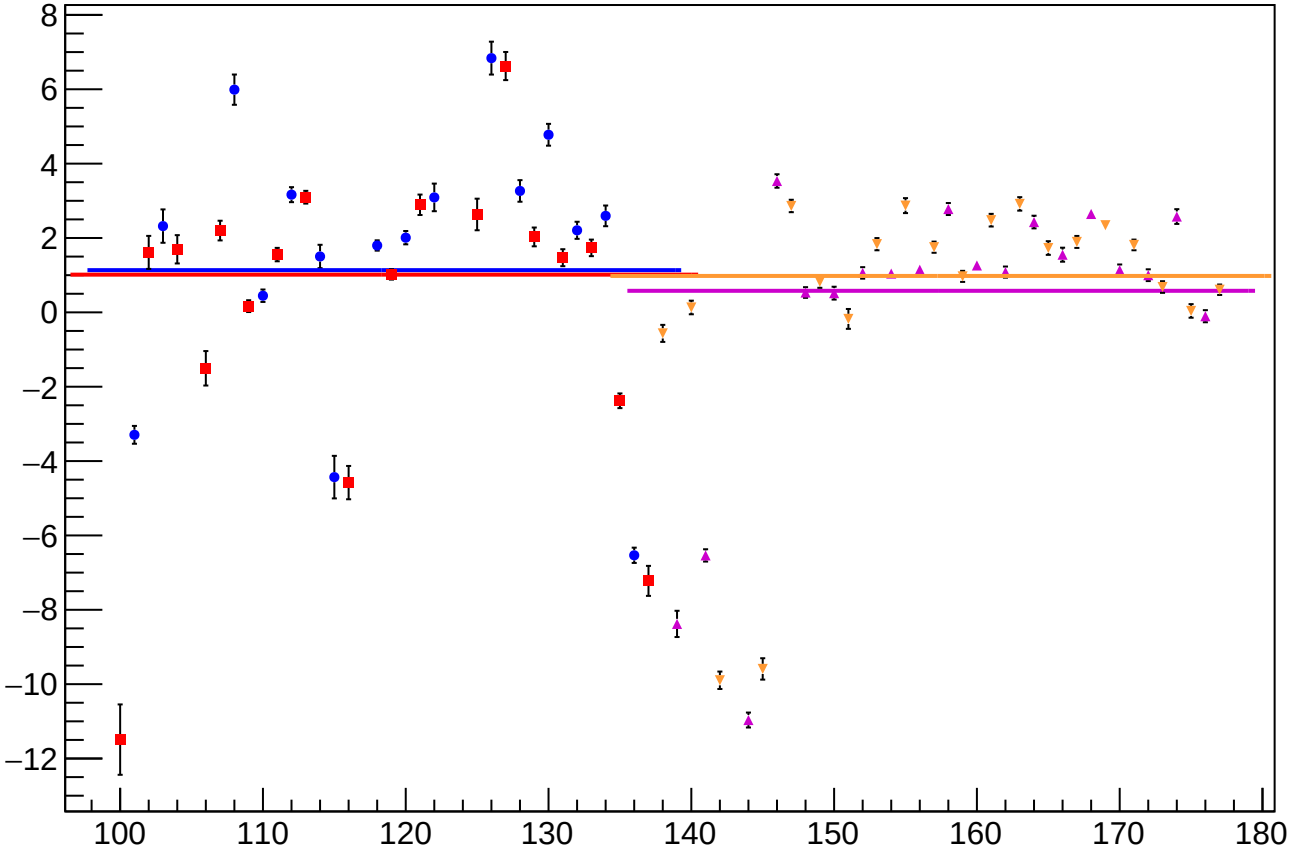
Right: -3.058+/-0.035 χ^2/NDF: 155737.8/33

In: -0.104+/-0.036 χ^2/NDF:211551.2/34

Out: 0.289+/-0.034 χ^2/NDF:211464.1/37

All: 0.101+/-0.025 χ^2/NDF: 423077.7/72

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/15

Left Out: 0.980+/-0.038 χ^2/NDF:4274.8/19

Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: 0.579+/-0.035 χ^2/NDF:6862.4/18

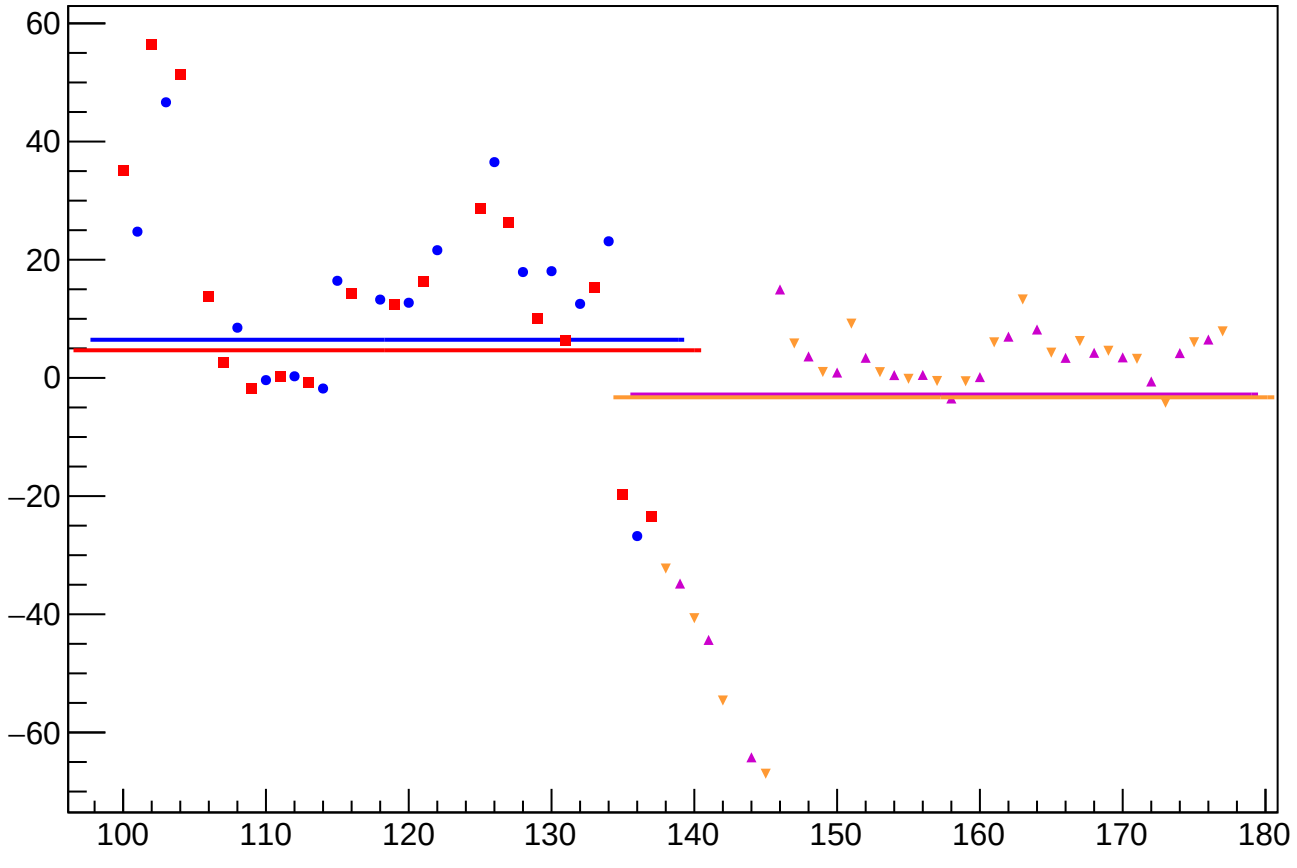
Left: 0.761+/-0.026 χ^2/NDF: 11196.2/38

Right: 1.072+/-0.041 χ^2/NDF: 4190.8/33

In: 0.720+/-0.030 χ^2/NDF:9521.7/34

Out: 0.990+/-0.032 χ^2/NDF:5868.0/37

All: 0.848+/-0.022 χ^2/NDF: 15427.3/72



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -3.281+/-0.051 χ^2/NDF:120287.0/19

Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -2.812+/-0.047 χ^2/NDF:123325.7/18

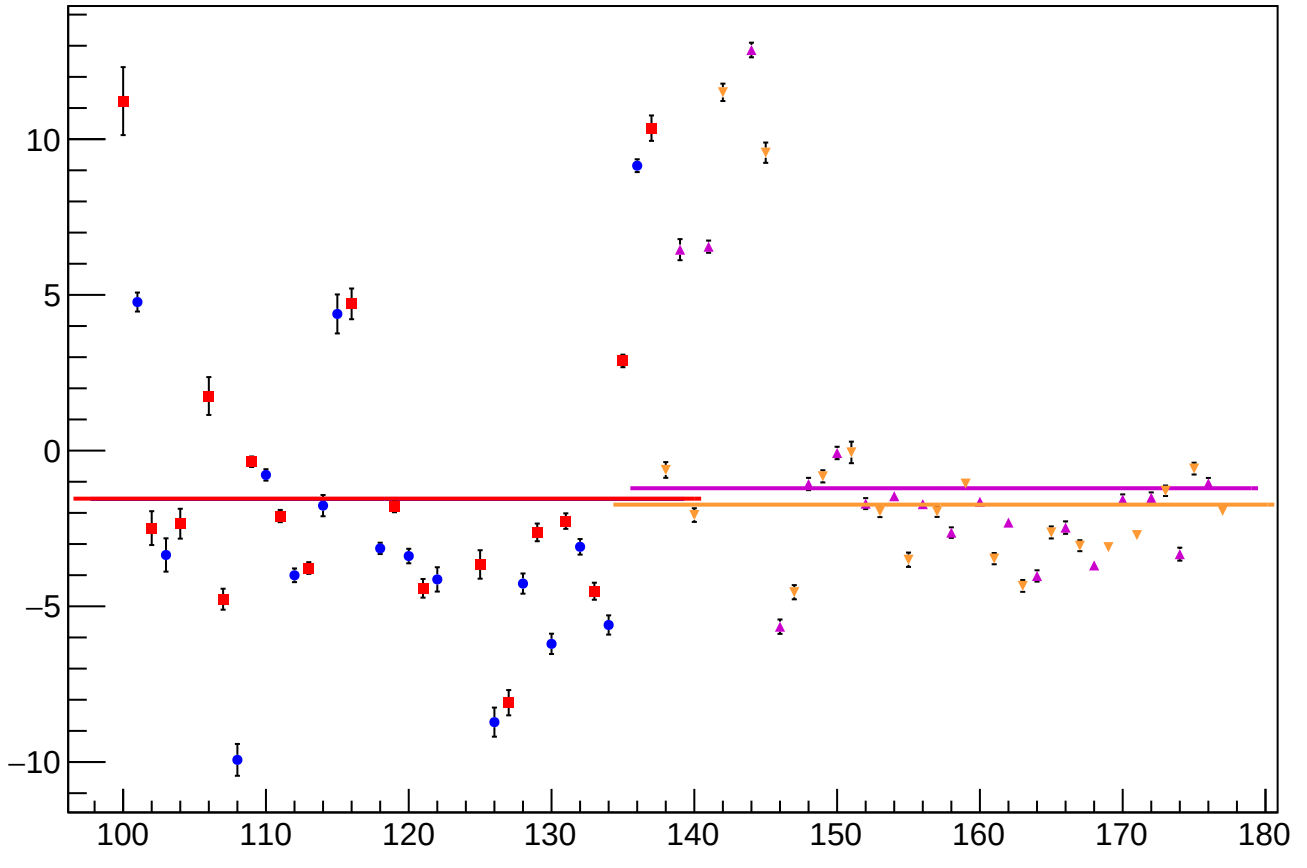
Left: -3.026+/-0.034 χ^2/NDF: 243658.9/38

Right: 5.483+/-0.044 χ^2/NDF: 145618.4/33

In: 0.333+/-0.038 χ^2/NDF:207573.1/34

Out: 0.105+/-0.039 χ^2/NDF:205121.9/37

All: 0.221+/-0.027 χ^2/NDF: 412712.8/72



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: -1.735+/-0.043 χ^2/NDF:4273.0/19

Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: -1.208+/-0.039 χ^2/NDF:6860.7/18

Left: -1.449+/-0.029 χ^2/NDF: 11215.1/38

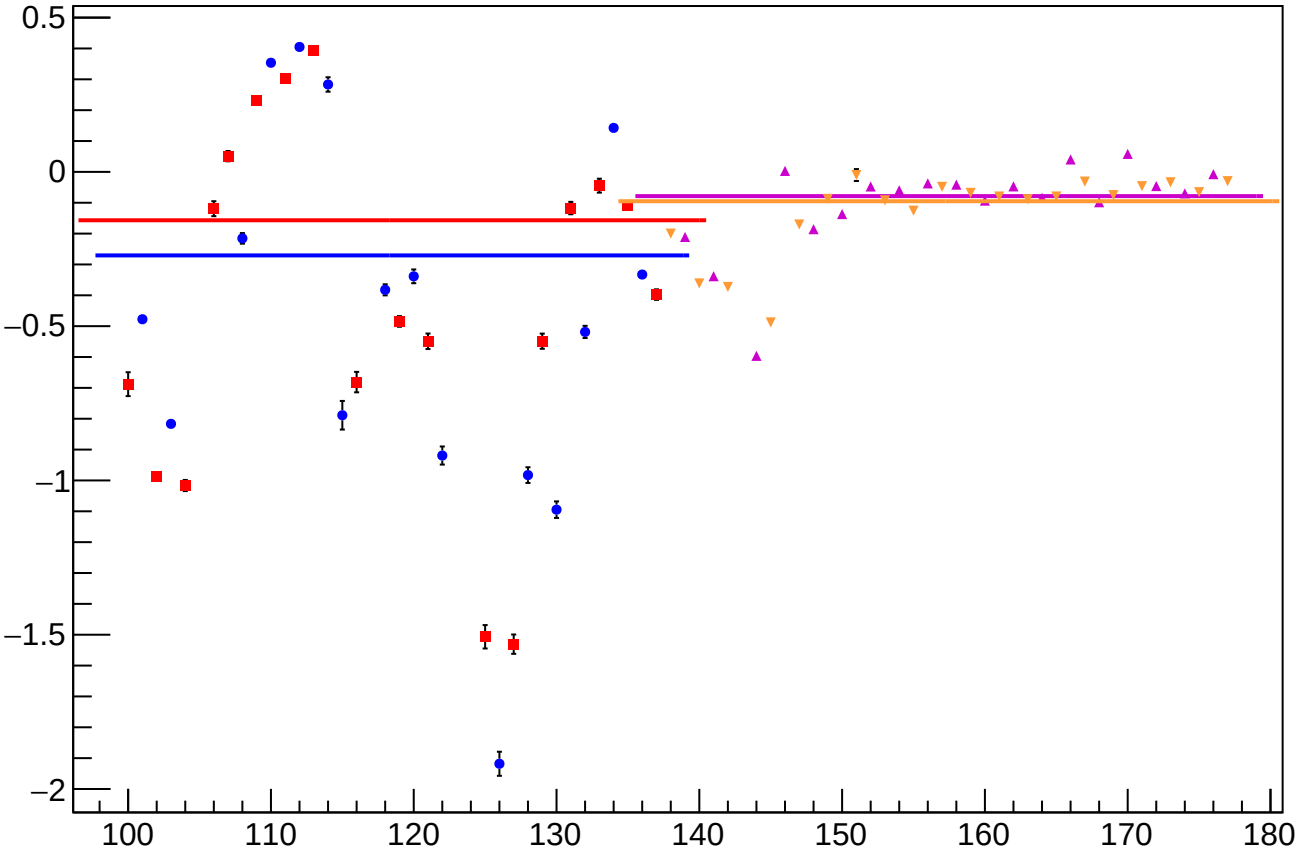
Right: -1.547+/-0.047 χ^2/NDF: 7016.6/33

In: -1.292+/-0.034 χ^2/NDF:11422.8/34

Out: -1.676+/-0.036 χ^2/NDF:6752.2/37

All: -1.476+/-0.025 χ^2/NDF: 18234.9/72

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: -0.095+/-0.002 χ^2/NDF:2511.1/19

Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.079+/-0.002 χ^2/NDF:3792.1/18

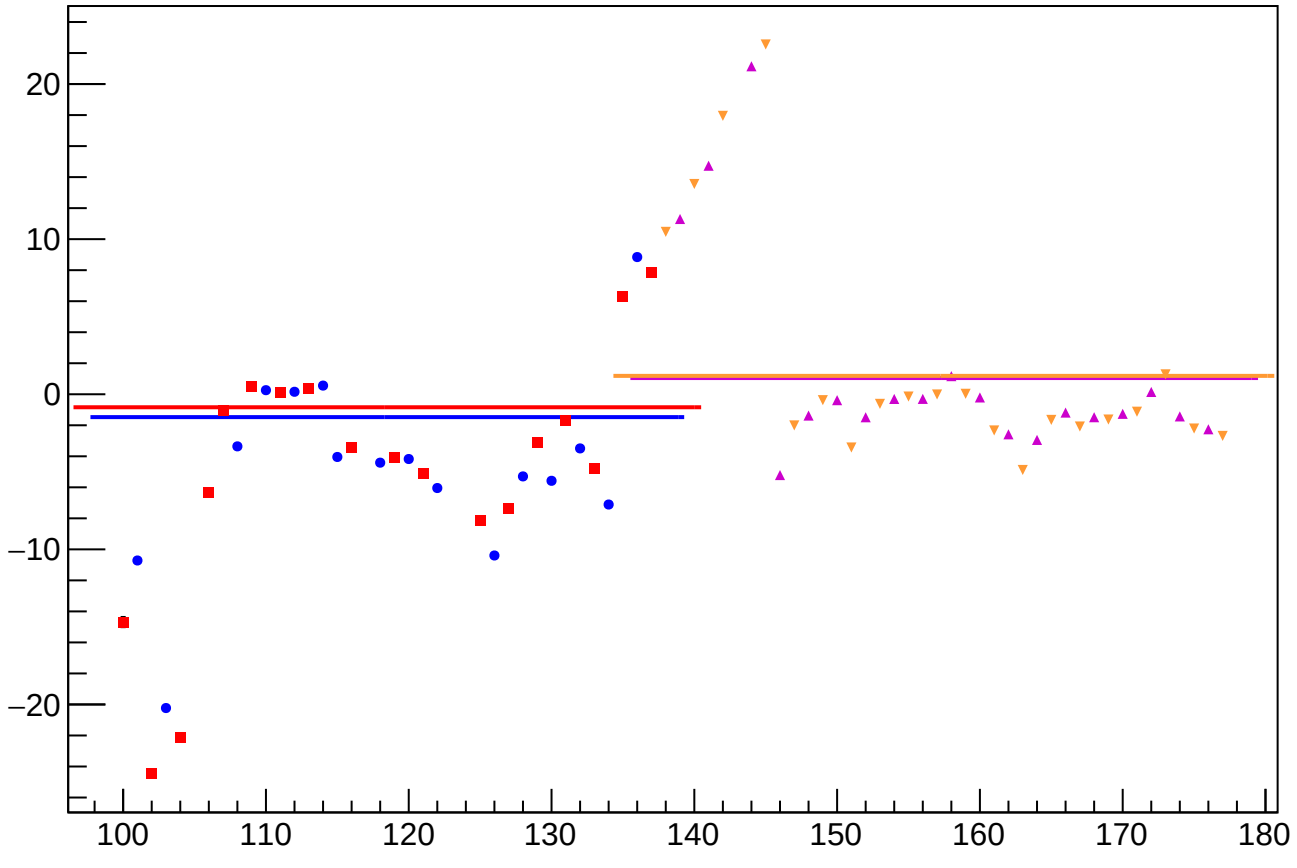
Left: -0.086+/-0.001 χ^2/NDF: 6347.0/38

Right: -0.209+/-0.003 χ^2/NDF: 27526.5/33

In: -0.105+/-0.002 χ^2/NDF:17742.4/34

Out: -0.107+/-0.002 χ^2/NDF:17742.8/37

All: -0.106+/-0.001 χ^2/NDF: 35486.0/72



Right In: -1.474+/-0.019 χ^2/NDF: 73722.2/15

Left Out: 1.186+/-0.018 χ^2/NDF:122778.9/19

Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

Left In: 1.045+/-0.016 χ^2/NDF:123694.5/18

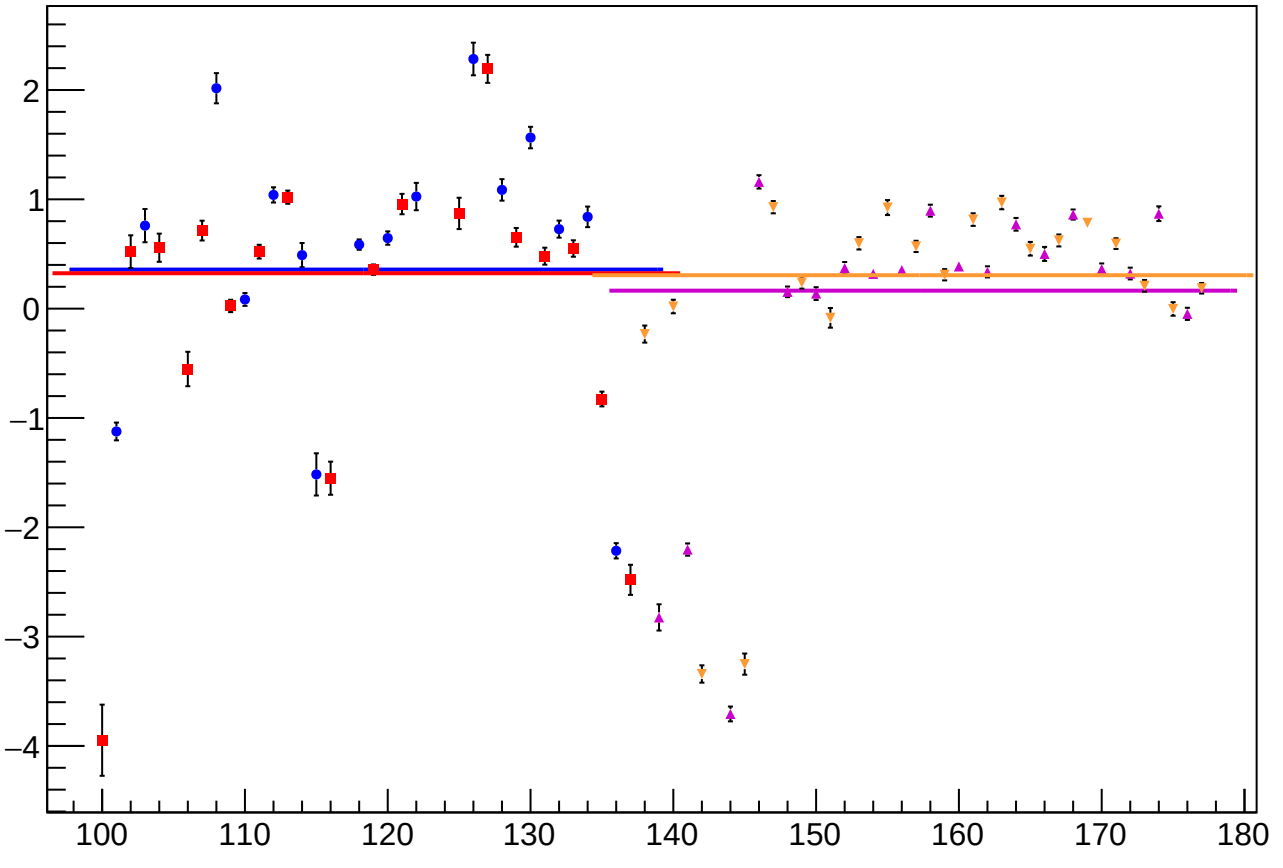
Left: 1.110+/-0.012 χ^2/NDF: 246507.6/38

Right: -1.107+/-0.012 χ^2/NDF: 152399.4/33

In: -0.047+/-0.012 χ^2/NDF:207653.5/34

Out: 0.078+/-0.012 χ^2/NDF:208010.1/37

All: 0.018+/-0.009 χ^2/NDF: 415716.8/72



Right In: 0.357+/-0.021 χ^2/NDF: 2543.0/15

Left Out: 0.306+/-0.013 χ^2/NDF:4230.3/19

Right Out: 0.324+/-0.020 χ^2/NDF: 1558.9/17

Left In: 0.164+/-0.012 χ^2/NDF:6701.7/18

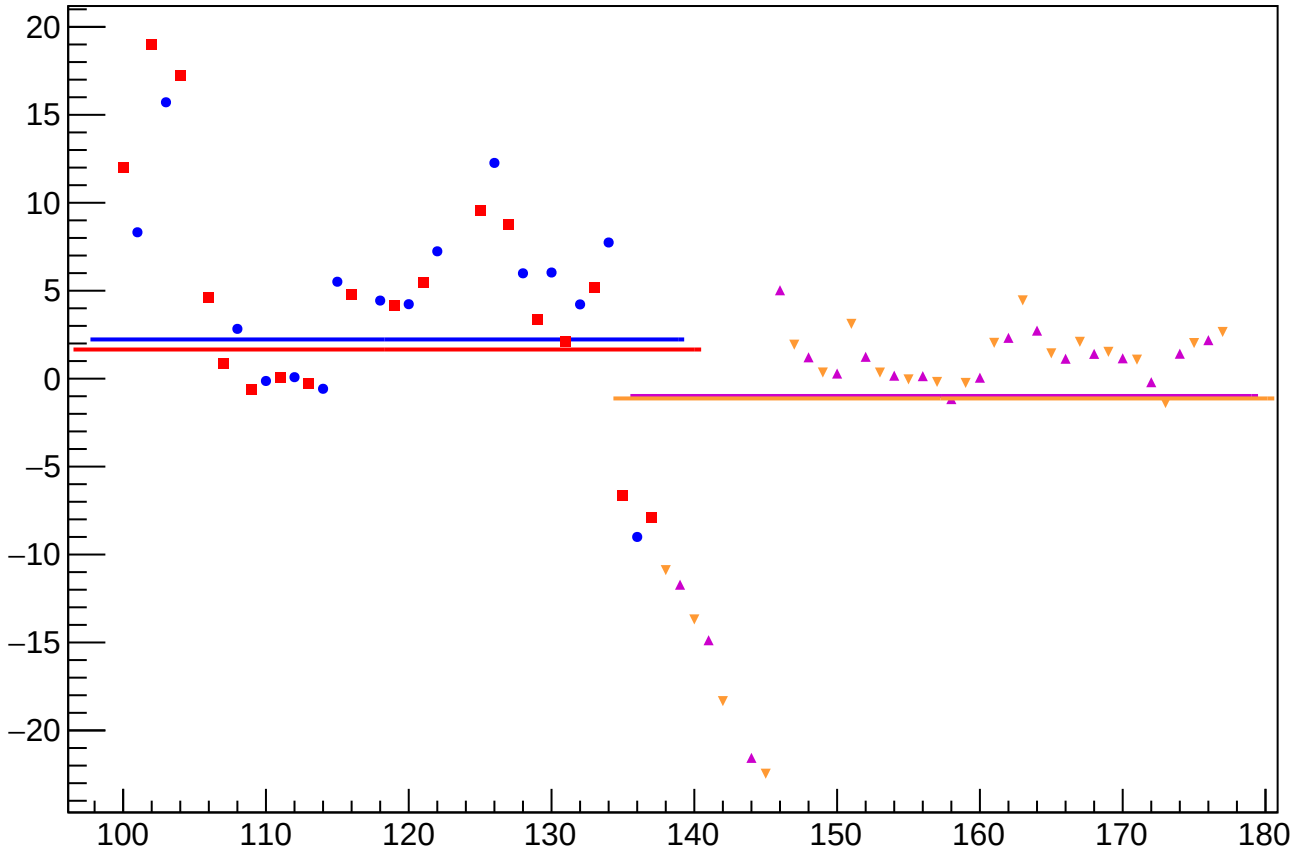
Left: 0.229+/-0.009 χ^2/NDF: 10994.9/38

Right: 0.340+/-0.014 χ^2/NDF: 4103.4/33

In: 0.214+/-0.010 χ^2/NDF:9310.0/34

Out: 0.311+/-0.011 χ^2/NDF:5789.8/37

All: 0.260+/-0.008 χ^2/NDF: 15141.8/72



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -1.125+/-0.017 χ^2/NDF:118238.2/19

Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -0.985+/-0.016 χ^2/NDF:120858.6/18

Left: -1.049+/-0.012 χ^2/NDF: 239132.2/38

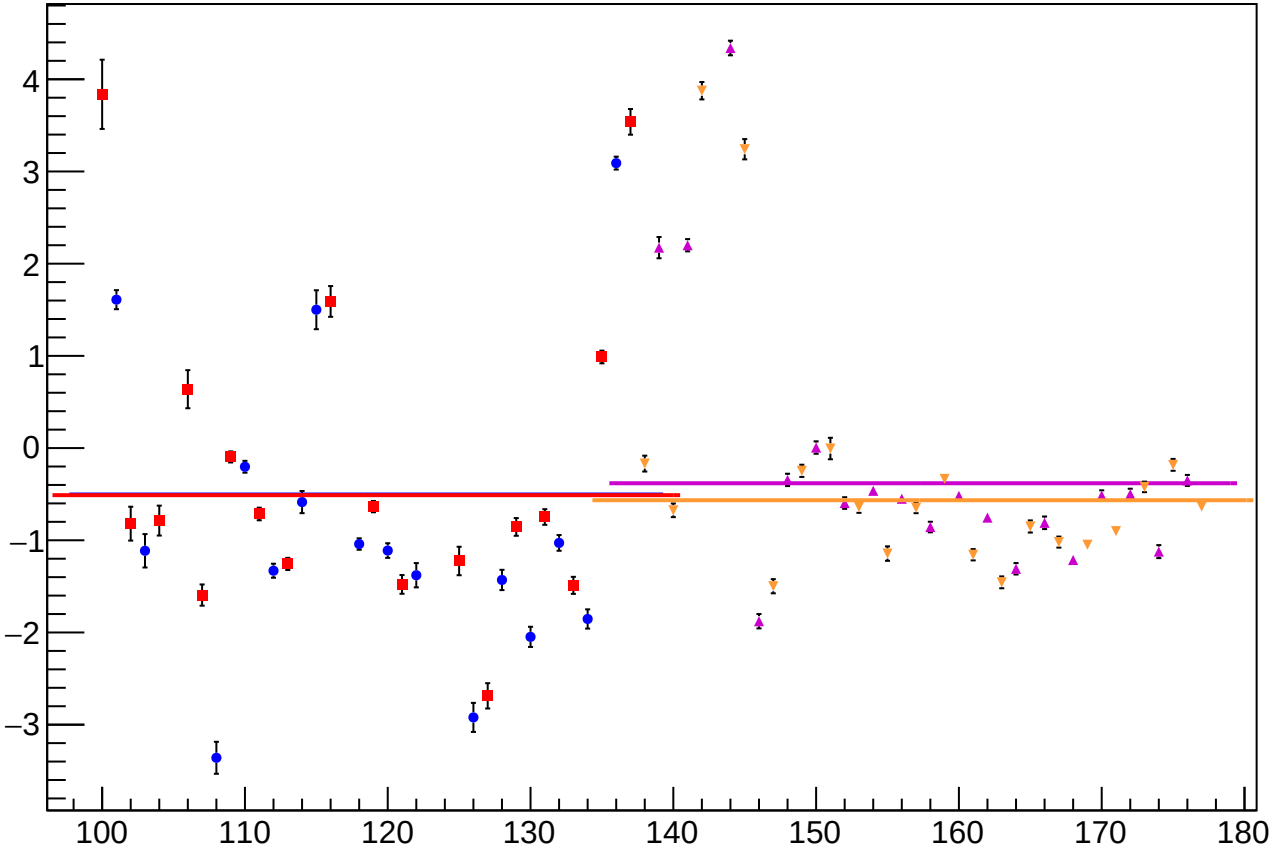
Right: 1.919+/-0.015 χ^2/NDF: 142343.2/33

In: 0.108+/-0.013 χ^2/NDF:203805.8/34

Out: 0.039+/-0.013 χ^2/NDF:201801.7/37

All: 0.074+/-0.009 χ^2/NDF: 405621.5/72

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: -0.566+/-0.015 χ^2/NDF:4232.1/19

Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

Left In: -0.381+/-0.014 χ^2/NDF:6709.7/18

Left: -0.466+/-0.010 χ^2/NDF: 11027.0/38

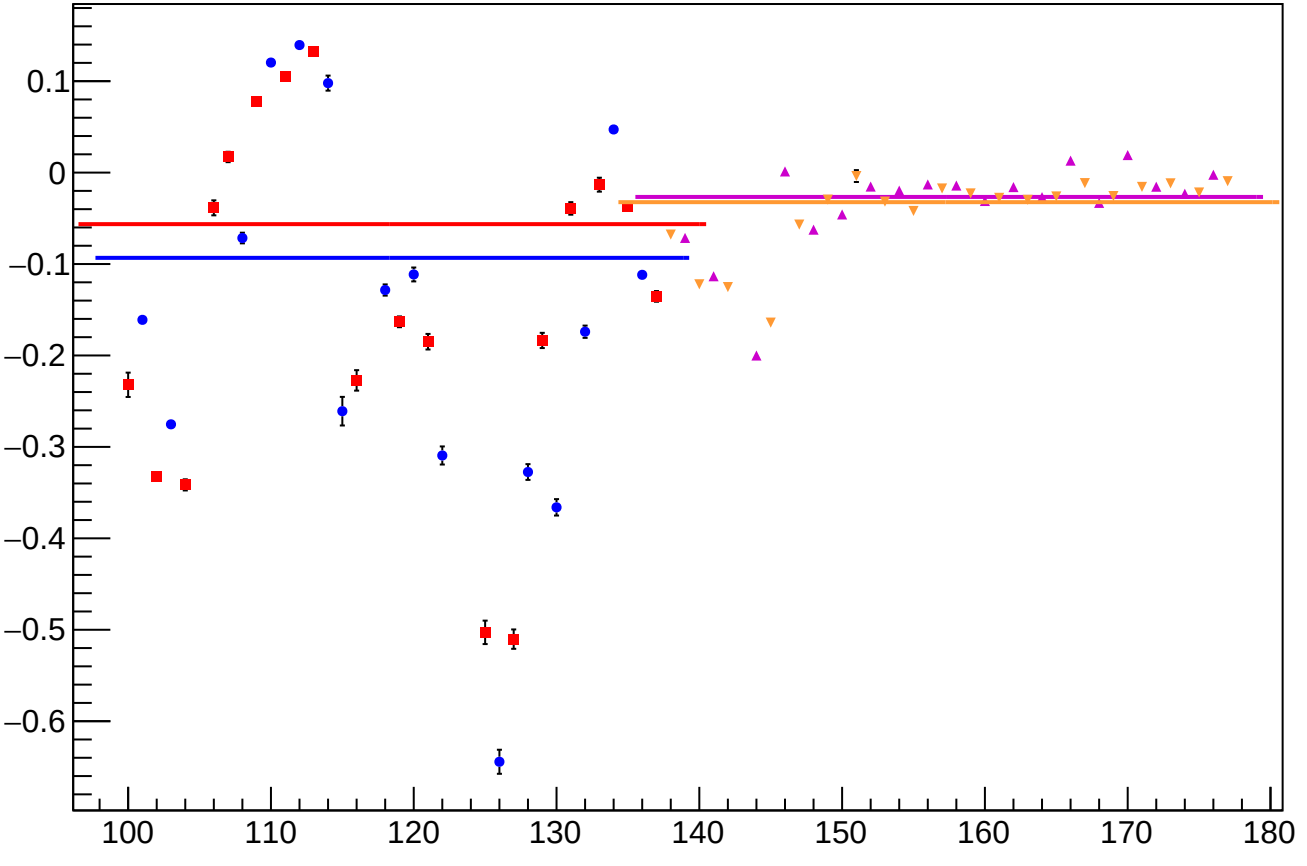
Right: -0.507+/-0.016 χ^2/NDF: 6871.2/33

In: -0.412+/-0.012 χ^2/NDF:11177.0/34

Out: -0.549+/-0.012 χ^2/NDF:6660.3/37

All: -0.477+/-0.008 χ^2/NDF: 17902.9/72

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.093+/-0.001 χ^2/NDF: 11742.4/15

Left Out: -0.032+/-0.001 χ^2/NDF:2472.7/19

Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.027+/-0.001 χ^2/NDF:3707.1/18

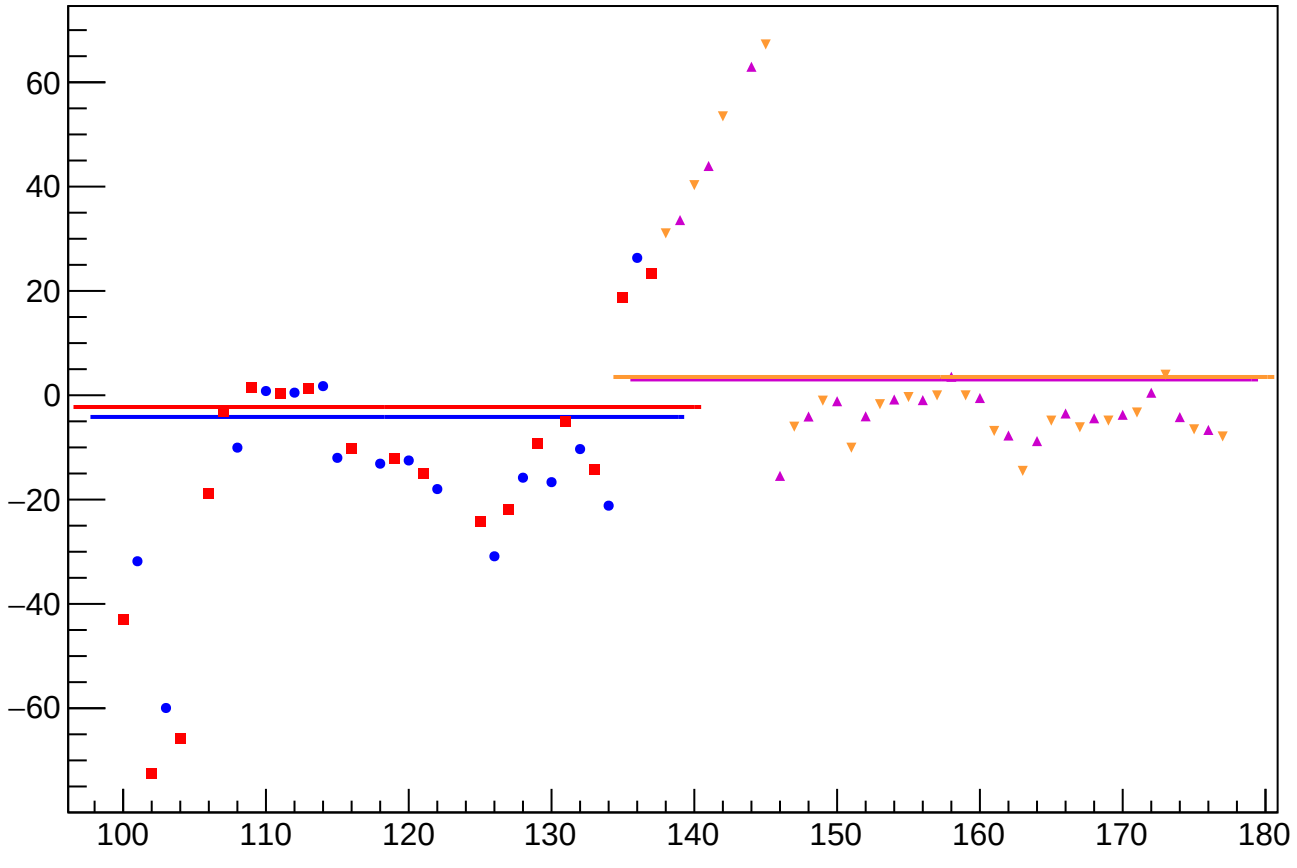
Left: -0.029+/-0.000 χ^2/NDF: 6224.3/38

Right: -0.073+/-0.001 χ^2/NDF: 26566.6/33

In: -0.036+/-0.001 χ^2/NDF:17356.7/34

Out: -0.037+/-0.001 χ^2/NDF:17203.2/37

All: -0.036+/-0.000 χ^2/NDF: 34561.6/72



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 3.503+/-0.052 χ^2/NDF:124891.7/19

Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 3.030+/-0.048 χ^2/NDF:126284.9/18

Left: 3.248+/-0.035 χ^2/NDF: 251221.7/38

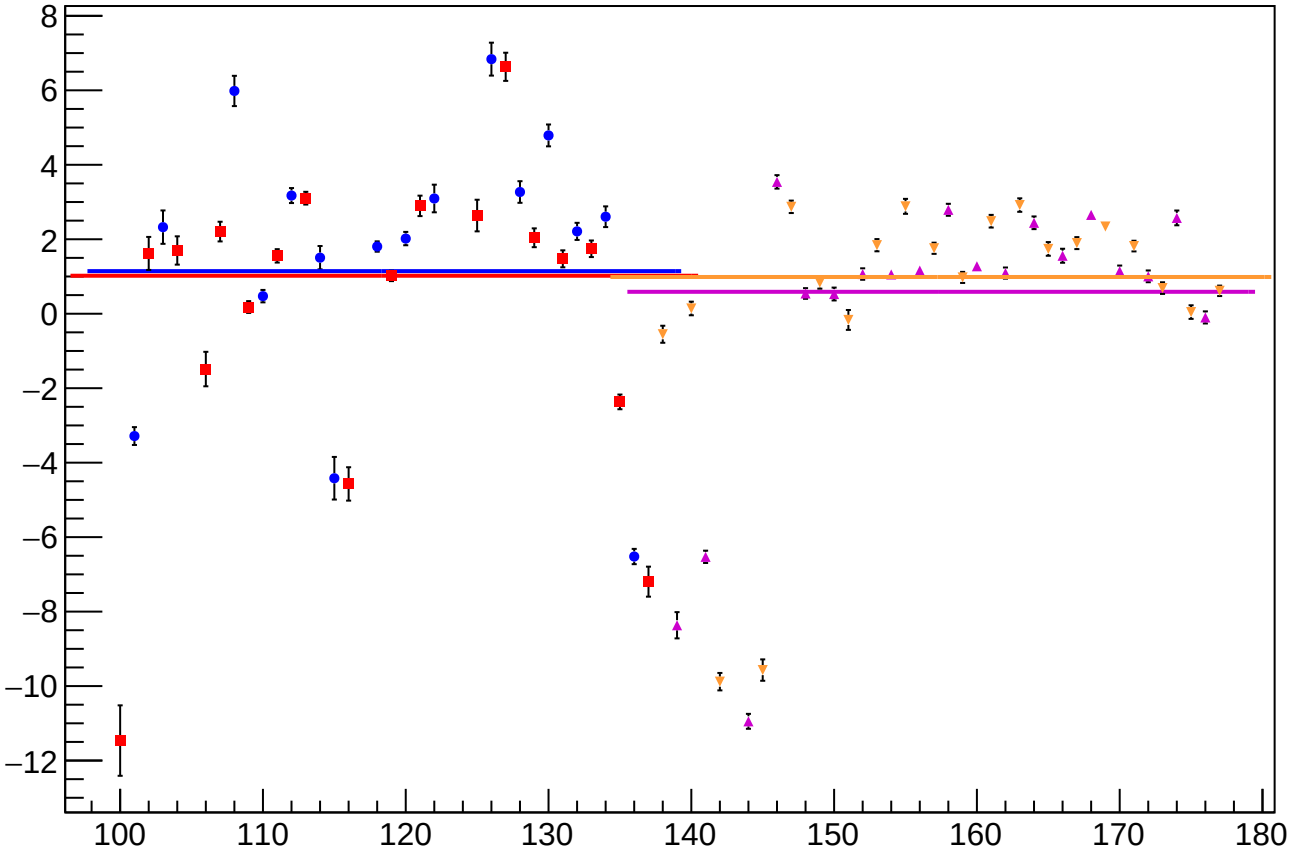
Right: -3.046+/-0.035 χ^2/NDF: 155775.7/33

In: -0.099+/-0.036 χ^2/NDF:211575.0/34

Out: 0.293+/-0.034 χ^2/NDF:211457.4/37

All: 0.105+/-0.025 χ^2/NDF: 423094.7/72

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

Left Out: 0.987+/-0.038 χ^2/NDF:4272.2/19

Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: 0.589+/-0.035 χ^2/NDF:6866.8/18

Left: 0.769+/-0.026 χ^2/NDF: 11197.5/38

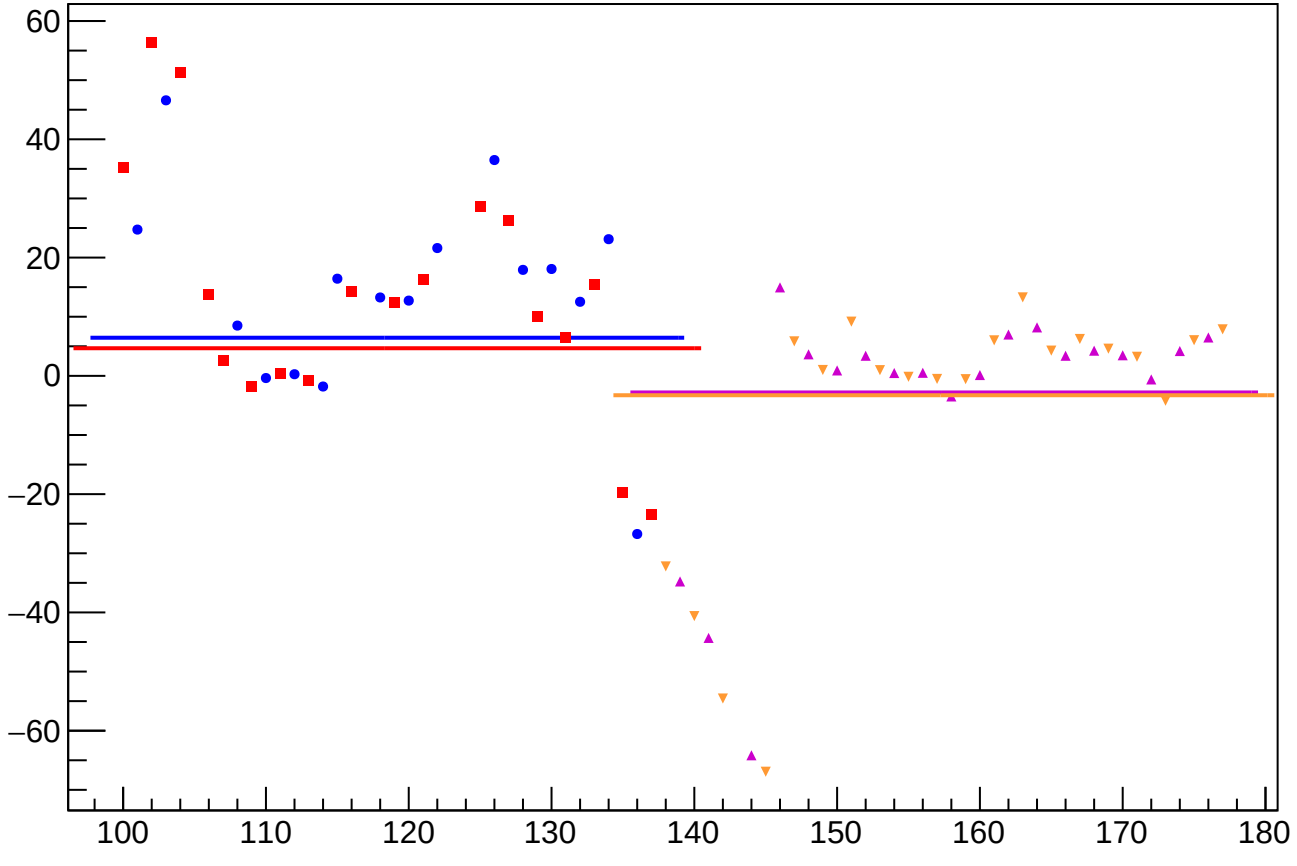
Right: 1.079+/-0.041 χ^2/NDF: 4188.7/33

In: 0.730+/-0.030 χ^2/NDF:9525.7/34

Out: 0.997+/-0.032 χ^2/NDF:5863.7/37

All: 0.856+/-0.022 χ^2/NDF: 15426.5/72

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -3.277+/-0.051 χ^2/NDF:120272.1/19

Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -2.807+/-0.047 χ^2/NDF:123336.3/18

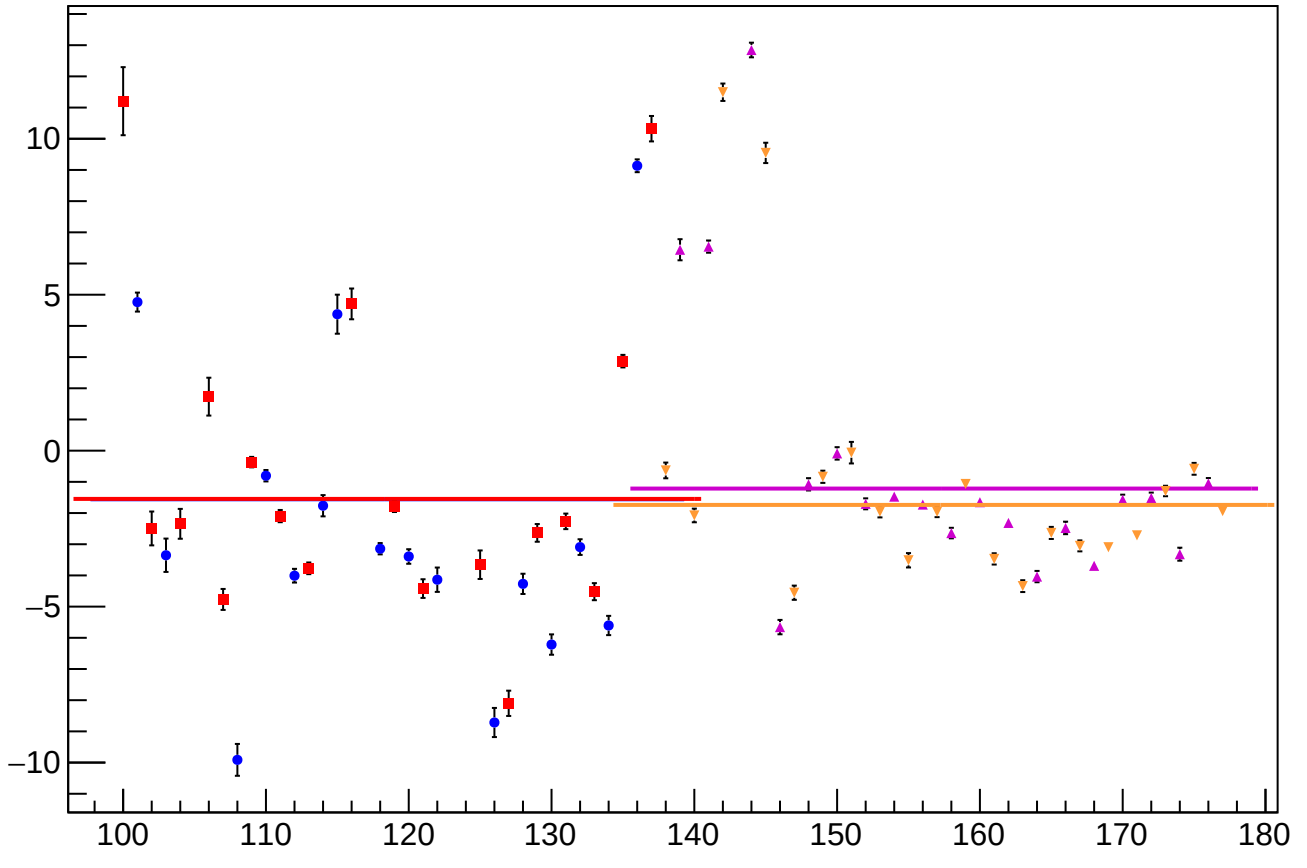
Left: -3.021+/-0.034 χ^2/NDF: 243655.0/38

Right: 5.475+/-0.044 χ^2/NDF: 145645.8/33

In: 0.334+/-0.038 χ^2/NDF:207589.2/34

Out: 0.107+/-0.039 χ^2/NDF:205108.7/37

All: 0.223+/-0.027 χ^2/NDF: 412715.7/72



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

Left Out: -1.739+/-0.043 χ^2/NDF:4269.9/19

Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: -1.215+/-0.039 χ^2/NDF:6864.1/18

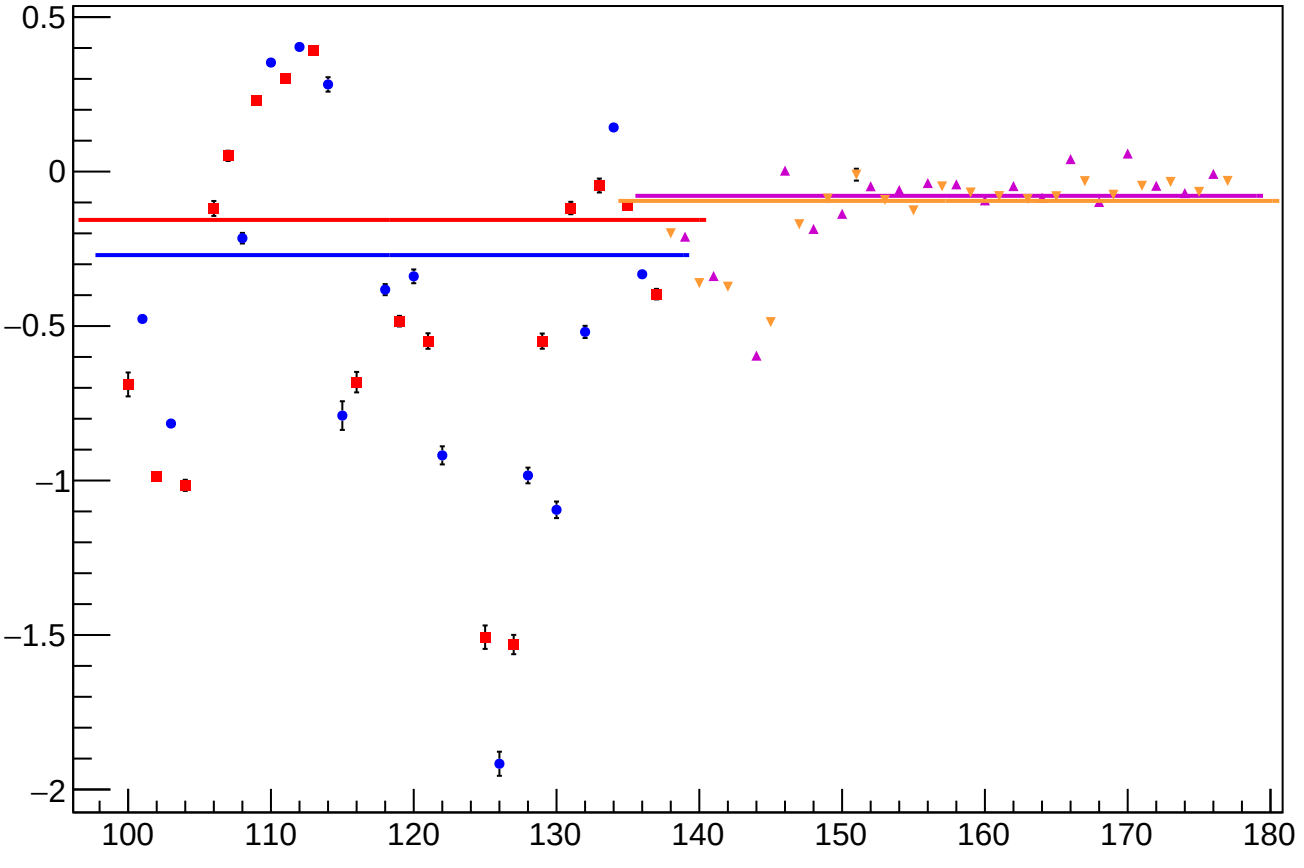
Left: -1.454+/-0.029 χ^2/NDF: 11214.8/38

Right: -1.552+/-0.047 χ^2/NDF: 7013.2/33

In: -1.299+/-0.034 χ^2/NDF:11425.7/34

Out: -1.680+/-0.036 χ^2/NDF:6746.1/37

All: -1.481+/-0.025 χ^2/NDF: 18231.1/72



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.095+/-0.002 χ^2/NDF:2510.7/19

Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.078+/-0.002 χ^2/NDF:3793.6/18

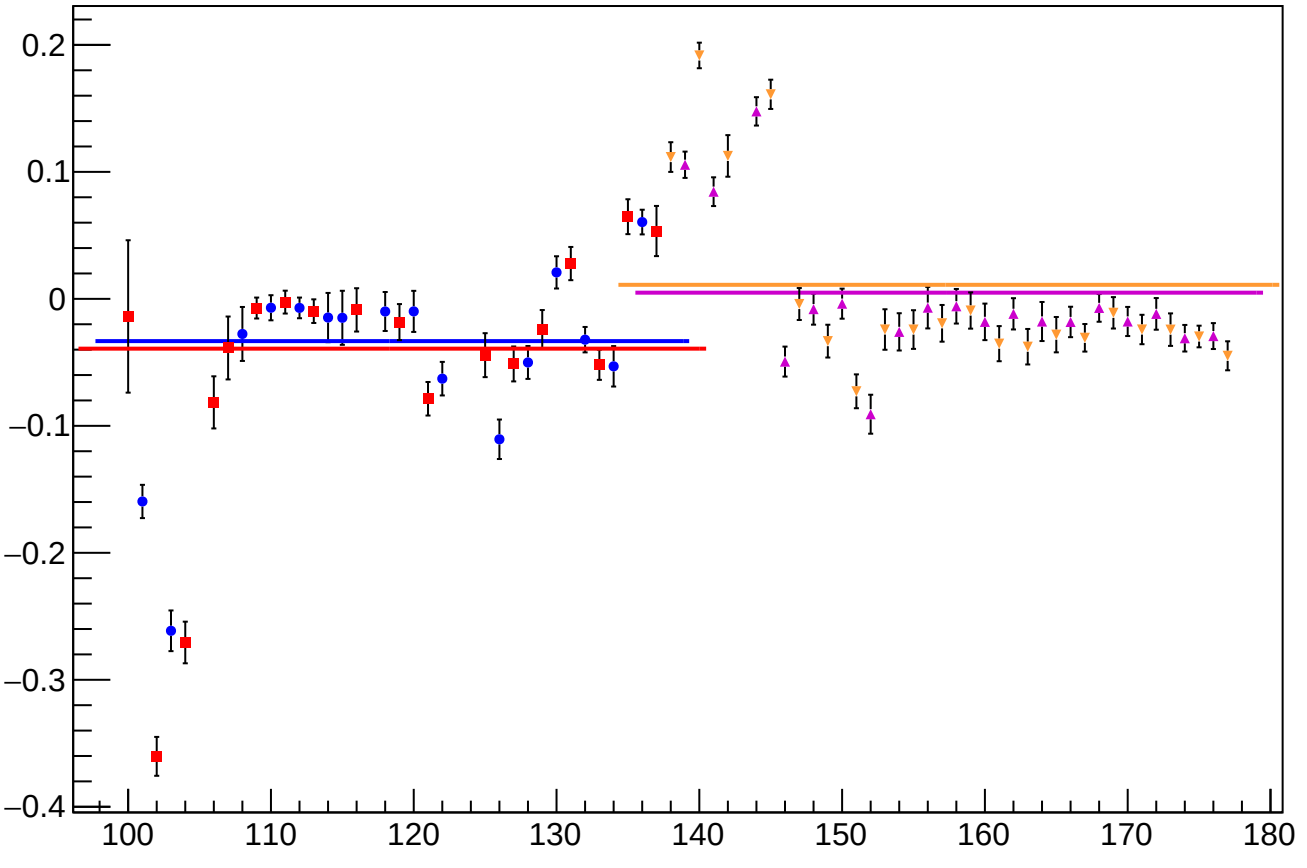
Left: -0.086+/-0.001 χ^2/NDF: 6347.5/38

Right: -0.208+/-0.003 χ^2/NDF: 27539.3/33

In: -0.105+/-0.002 χ^2/NDF:17742.4/34

Out: -0.107+/-0.002 χ^2/NDF:17752.6/37

All: -0.106+/-0.001 χ^2/NDF: 35495.7/72



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.011+/-0.003 χ^2/NDF:786.3/19

Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: 0.005+/-0.003 χ^2/NDF:414.6/18

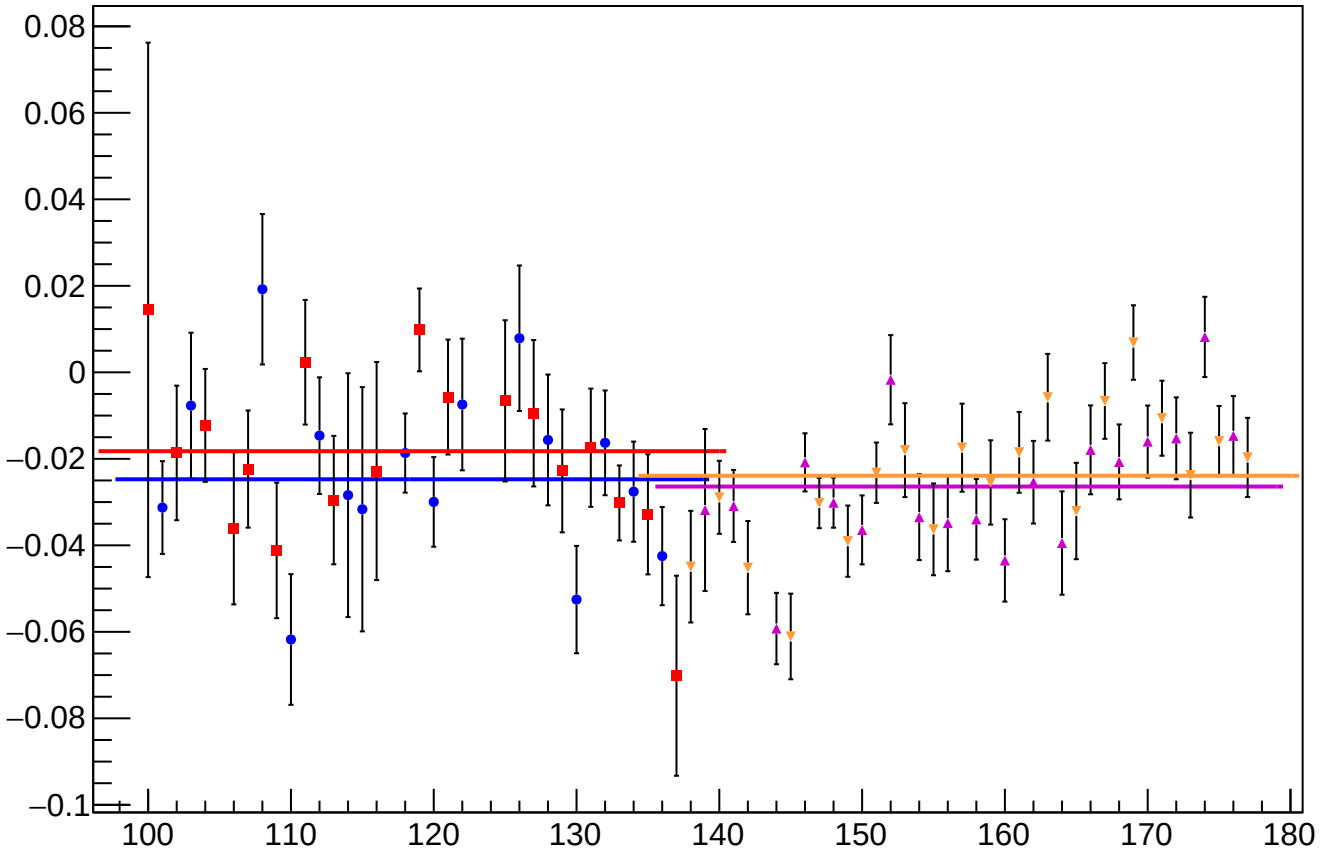
Left: 0.008+/-0.002 χ^2/NDF: 1203.4/38

Right: -0.036+/-0.002 χ^2/NDF: 1272.8/33

In: -0.012+/-0.002 χ^2/NDF:958.3/34

Out: -0.011+/-0.002 χ^2/NDF:1735.6/37

All: -0.011+/-0.001 χ^2/NDF: 2694.0/72



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.024+/-0.002 χ^2/NDF:52.0/19

Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.026+/-0.002 χ^2/NDF:50.4/18

Left: -0.025+/-0.001 χ^2/NDF: 103.1/38

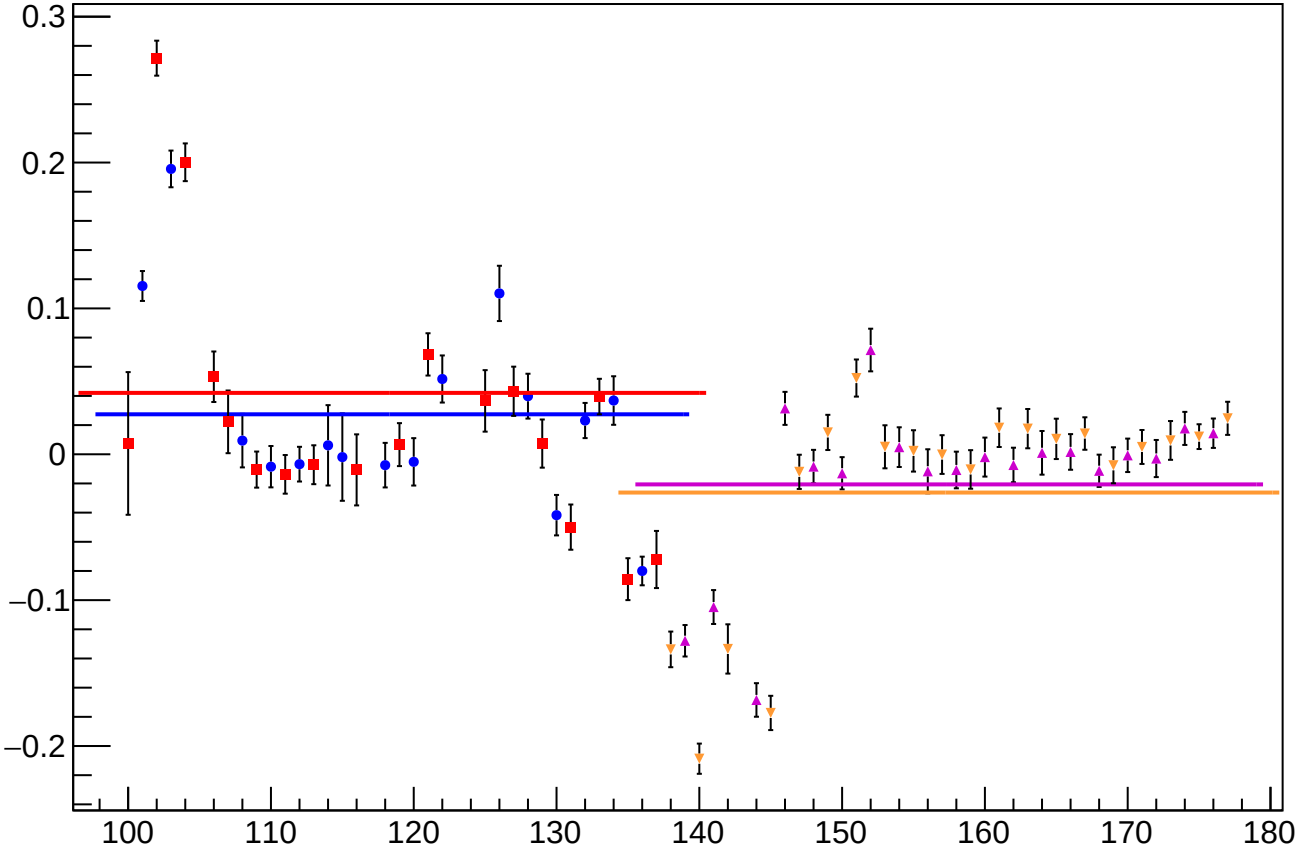
Right: -0.022+/-0.002 χ^2/NDF: 55.1/33

In: -0.026+/-0.002 χ^2/NDF:79.1/34

Out: -0.022+/-0.002 χ^2/NDF:78.8/37

All: -0.024+/-0.001 χ^2/NDF: 159.9/72

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: -0.026+/-0.003 χ^2/NDF:758.3/19

Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.021+/-0.003 χ^2/NDF:421.0/18

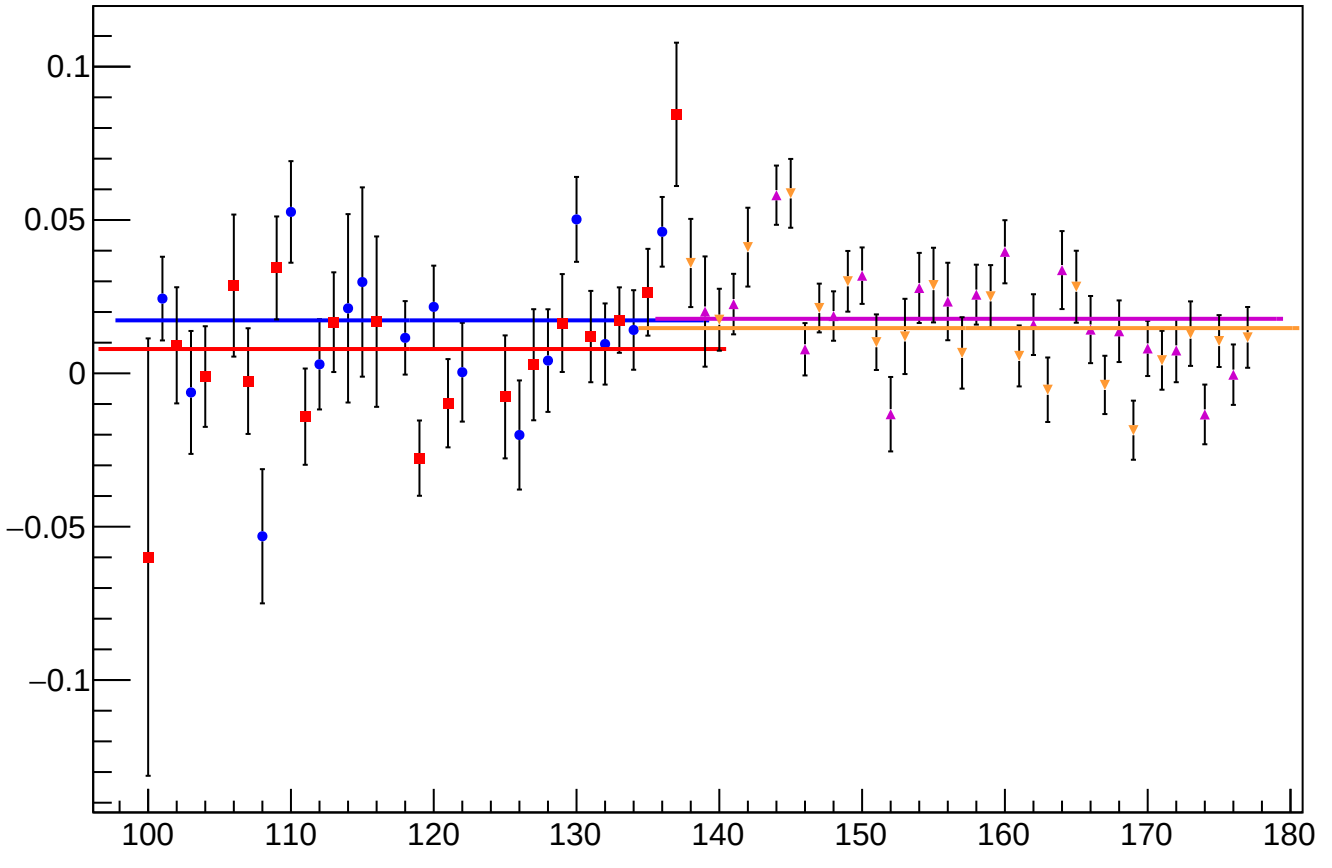
Left: -0.023+/-0.002 χ^2/NDF: 1181.4/38

Right: 0.035+/-0.003 χ^2/NDF: 1187.6/33

In: -0.003+/-0.002 χ^2/NDF:980.4/34

Out: -0.002+/-0.002 χ^2/NDF:1716.9/37

All: -0.002+/-0.002 χ^2/NDF: 2697.4/72



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.015+/-0.002 χ^2/NDF:51.1/19

Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.018+/-0.002 χ^2/NDF:51.7/18

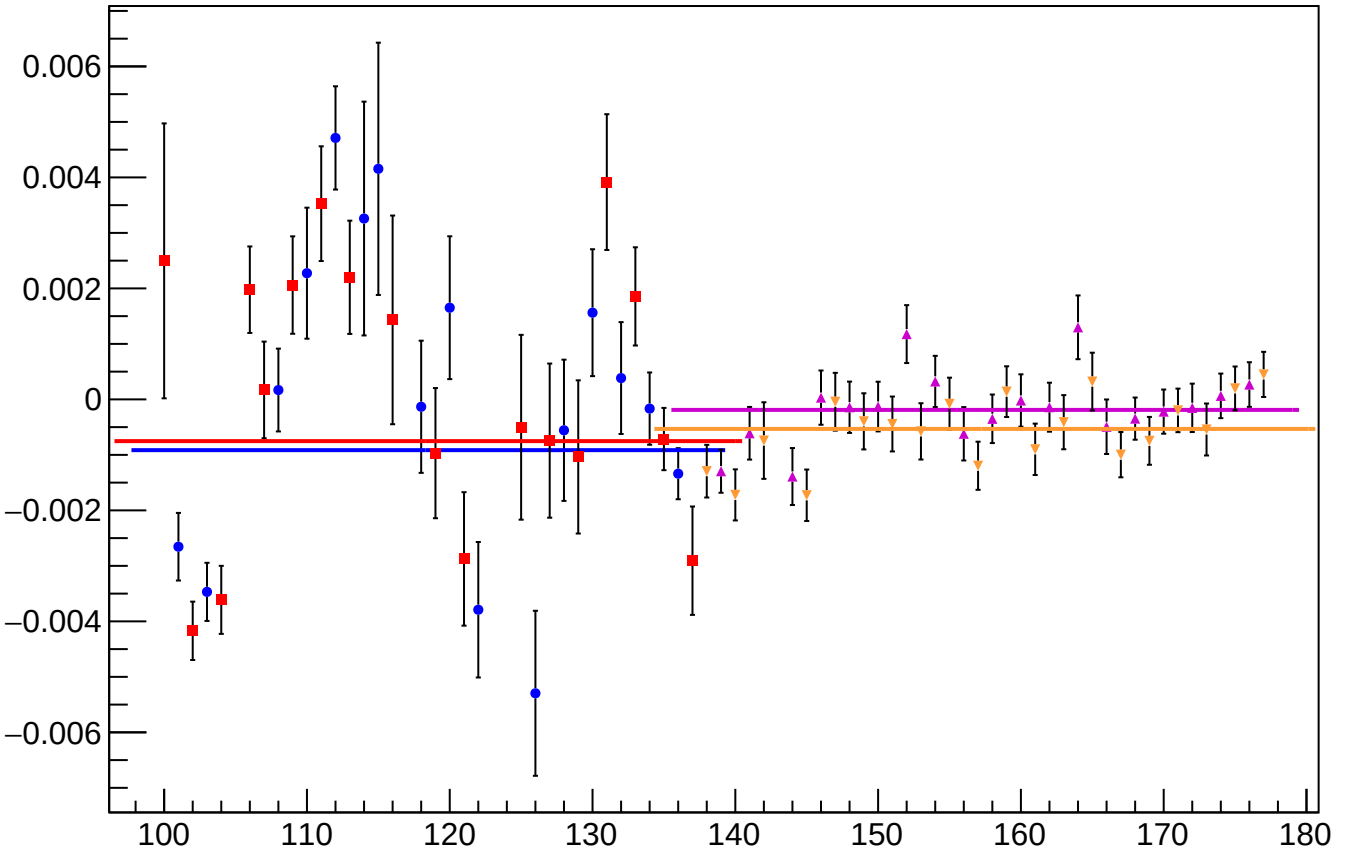
Left: 0.016+/-0.002 χ^2/NDF: 103.7/38

Right: 0.013+/-0.003 χ^2/NDF: 71.0/33

In: 0.018+/-0.002 χ^2/NDF:88.4/34

Out: 0.013+/-0.002 χ^2/NDF:84.8/37

All: 0.015+/-0.001 χ^2/NDF: 175.9/72



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.001+/-0.000 χ^2/NDF:37.3/19

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

Left In: -0.000+/-0.000 χ^2/NDF:32.7/18

Left: -0.000+/-0.000 χ^2/NDF: 75.5/38

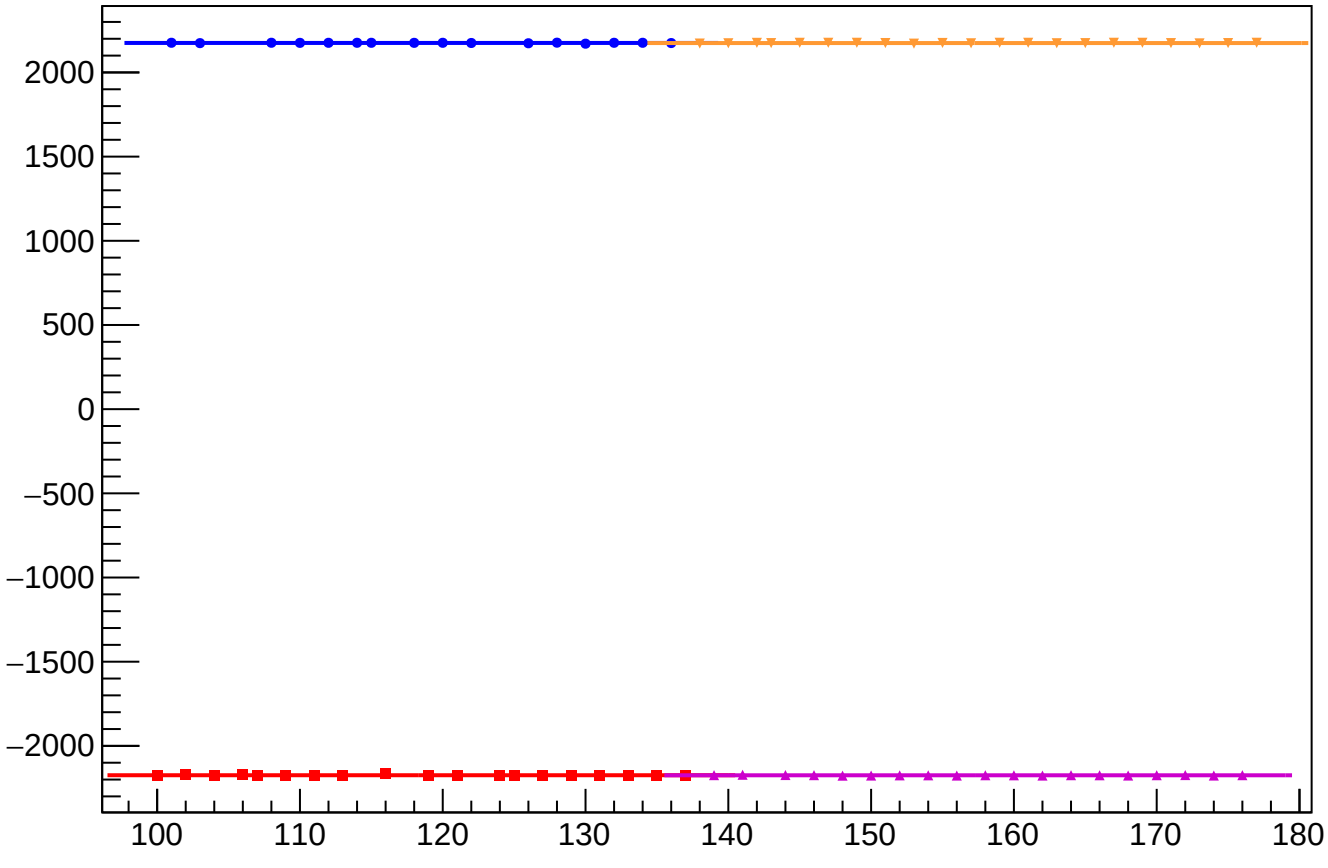
Right: -0.001+/-0.000 χ^2/NDF: 261.9/33

In: -0.000+/-0.000 χ^2/NDF:156.3/34

Out: -0.001+/-0.000 χ^2/NDF:185.7/37

All: -0.000+/-0.000 χ^2/NDF: 345.5/72

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

Left Out: 2174.562+/-0.000 χ^2/NDF:44921562844248388765054940689203 20.0/20

Right Out: -2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171 8272.0/18

Left In: -2174.645+/-0.000 χ^2/NDF:30586717466868509047869841426350 08.0/18

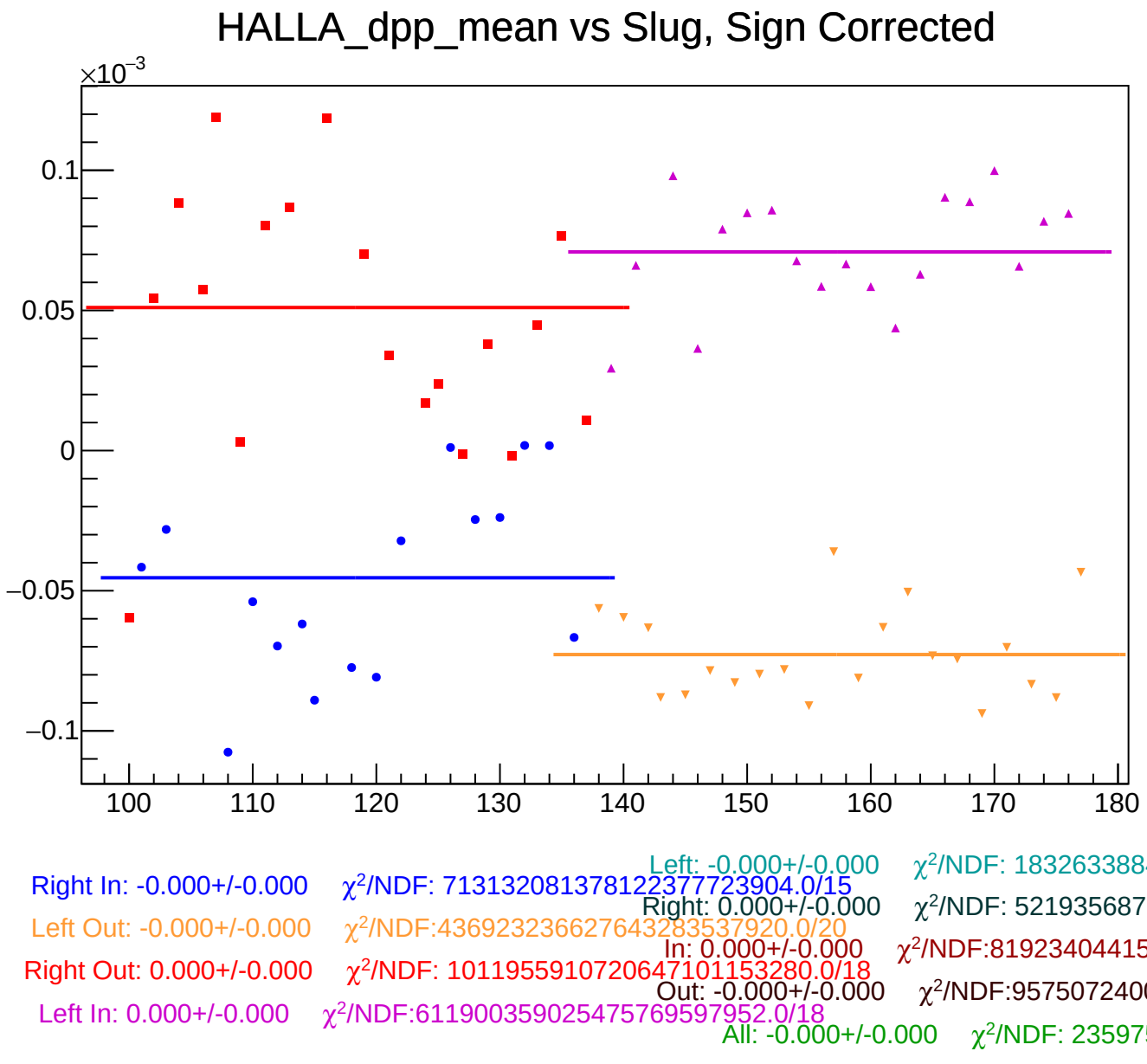
Left: 78.434+/-0.000 χ^2/NDF: 158353575735140 93

Right: -31.373+/-0.000 χ^2/NDF: 7111791049076 11

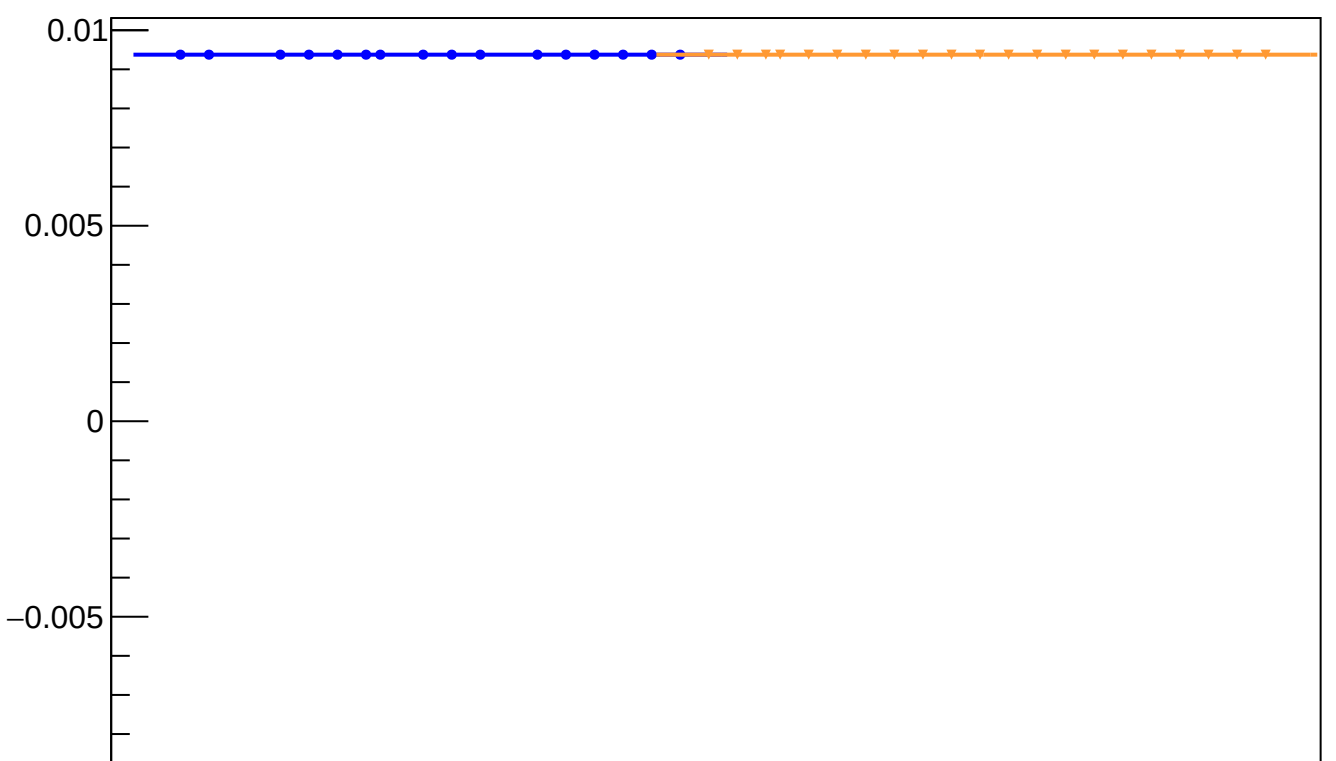
In: -807.128+/-0.000 χ^2/NDF:96127547237935 19

Out: 847.282+/-0.000 χ^2/NDF:10026302187349 45

All: 44.431+/-0.000 χ^2/NDF: 229596677145 3


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:4369232366276432835379200.0/20
Right Out: 0.000+/-0.000 χ²/NDF: 1011955910720647101153280.0/18
Left In: 0.000+/-0.000 χ²/NDF:61190035902547576959795 2.0/18
Left: -0.000+/-0.000 χ²/NDF: 18326338840765816
Right: 0.000+/-0.000 χ²/NDF: 52193568733401849
In: 0.000+/-0.000 χ²/NDF:8192340441589078743
Out: -0.000+/-0.000 χ²/NDF:95750724006279393
All: -0.000+/-0.000 χ²/NDF: 2359759288362

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:0.0/20

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/18

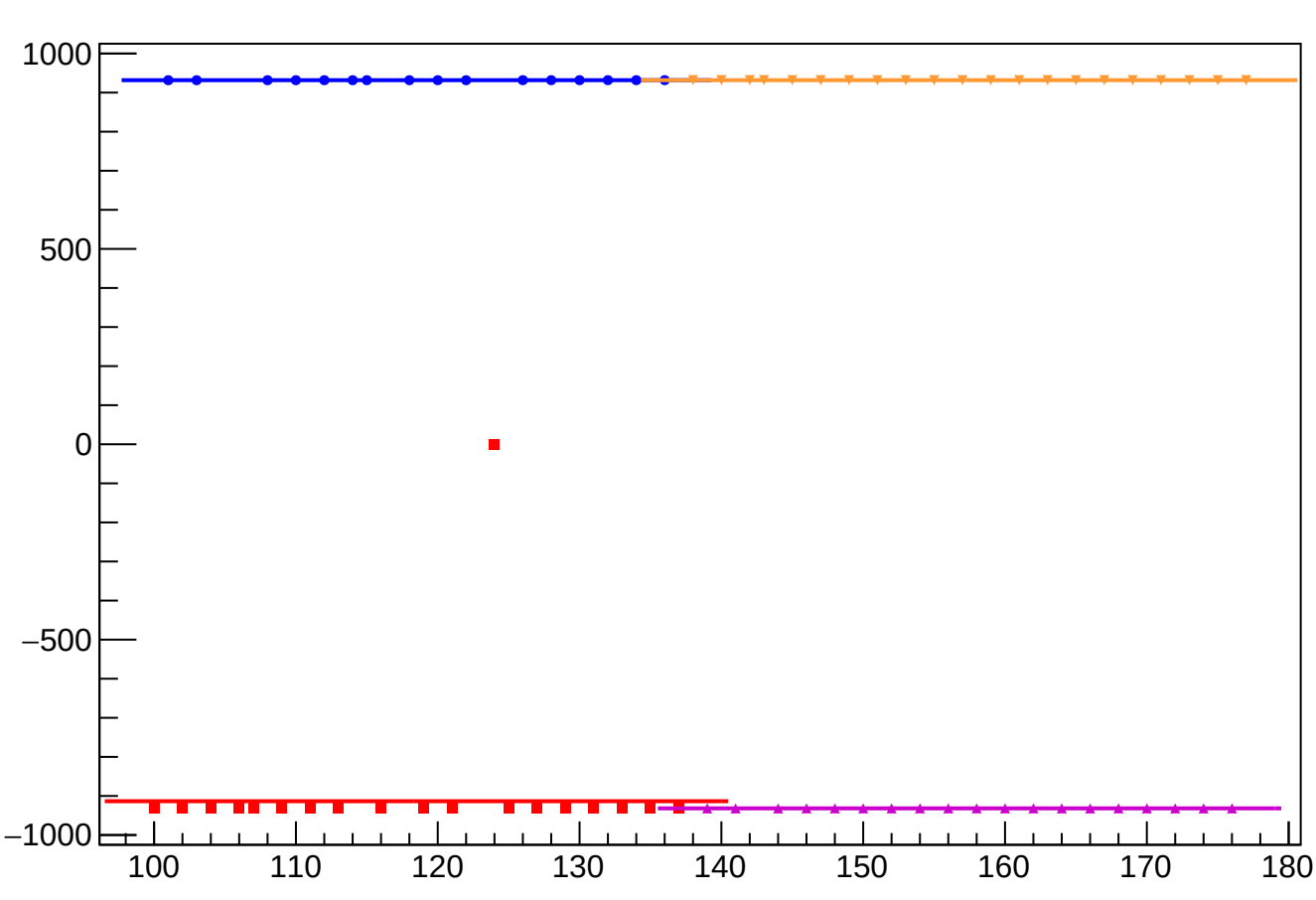
Left: 0.000+/-0.000 χ^2/NDF: 29431348792126361

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.003+/-0.000 χ^2/NDF:178608665676707249

Out: 0.004+/-0.000 χ^2/NDF:186374671874999611

All: 0.000+/-0.000 χ^2/NDF: 4267074100525



Right In: 931.769+/-0.000 χ^2/NDF: 2757217223595001187167685836800.0/15

Left Out: 931.785+/-0.000 χ^2/NDF:4183180514851645781908949827584.0/20

Right Out: -913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

Left In: -931.777+/-0.000 χ^2/NDF:377921616829519464164483294822 4.0/18

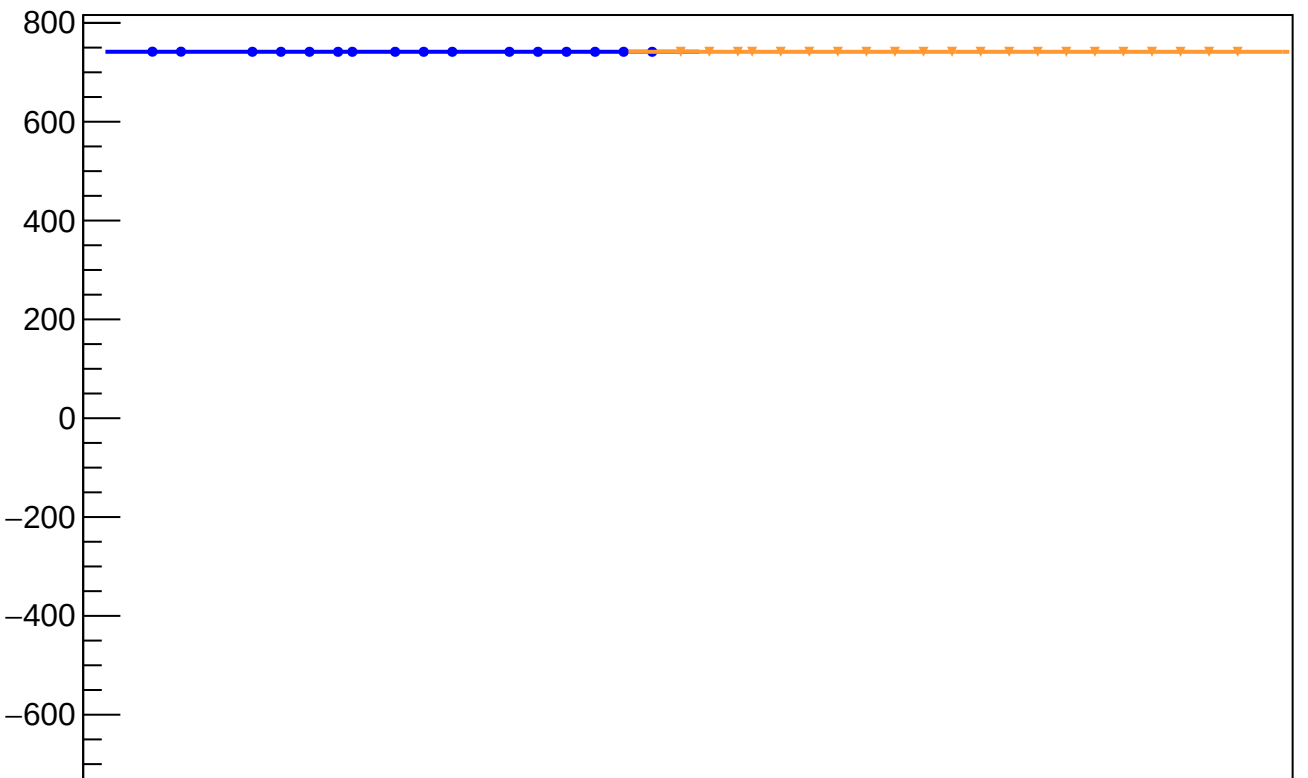
Left: 33.629+/-0.000 χ^2/NDF: 2907336381604840

Right: -4.335+/-0.000 χ^2/NDF: 1292705120140630

In: -345.910+/-0.000 χ^2/NDF:1764331330663656

Out: 368.620+/-0.000 χ^2/NDF:181780394130676

All: 21.874+/-0.000 χ^2/NDF: 420153793431



Right In: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938636 8.0/15

Left Out: 741.512+/-0.000 χ^2/NDF:233633482759294163114541449216.0/20

Right Out: -741.577+/-0.000 χ^2/NDF: 769226394789261471153747761561 6.0/18

Left In: -741.512+/-0.000 χ^2/NDF:208483767808730813829897781248.0/18

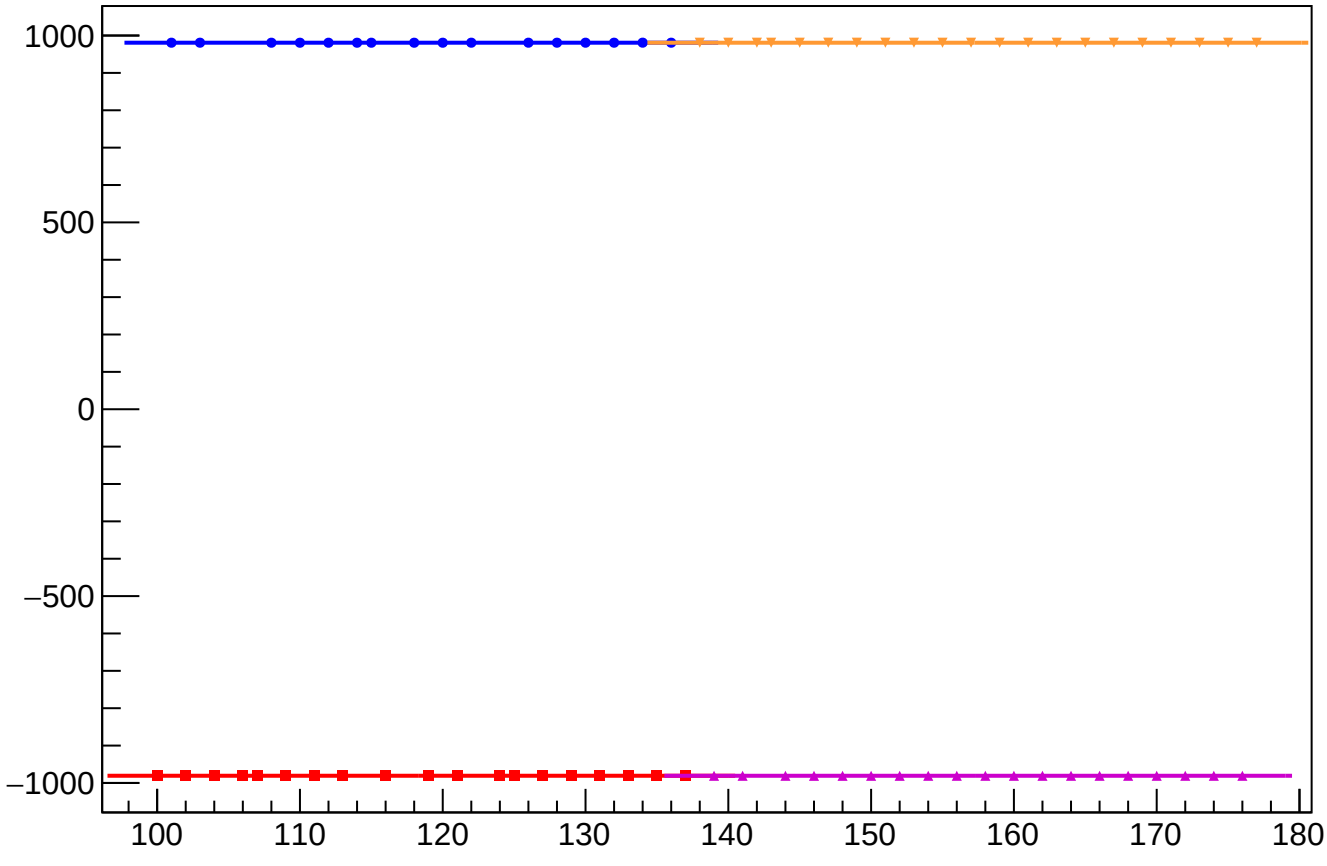
Left: 26.759+/-0.000 χ^2/NDF: 1841213422596998

Right: -10.851+/-0.000 χ^2/NDF: 826918104240998

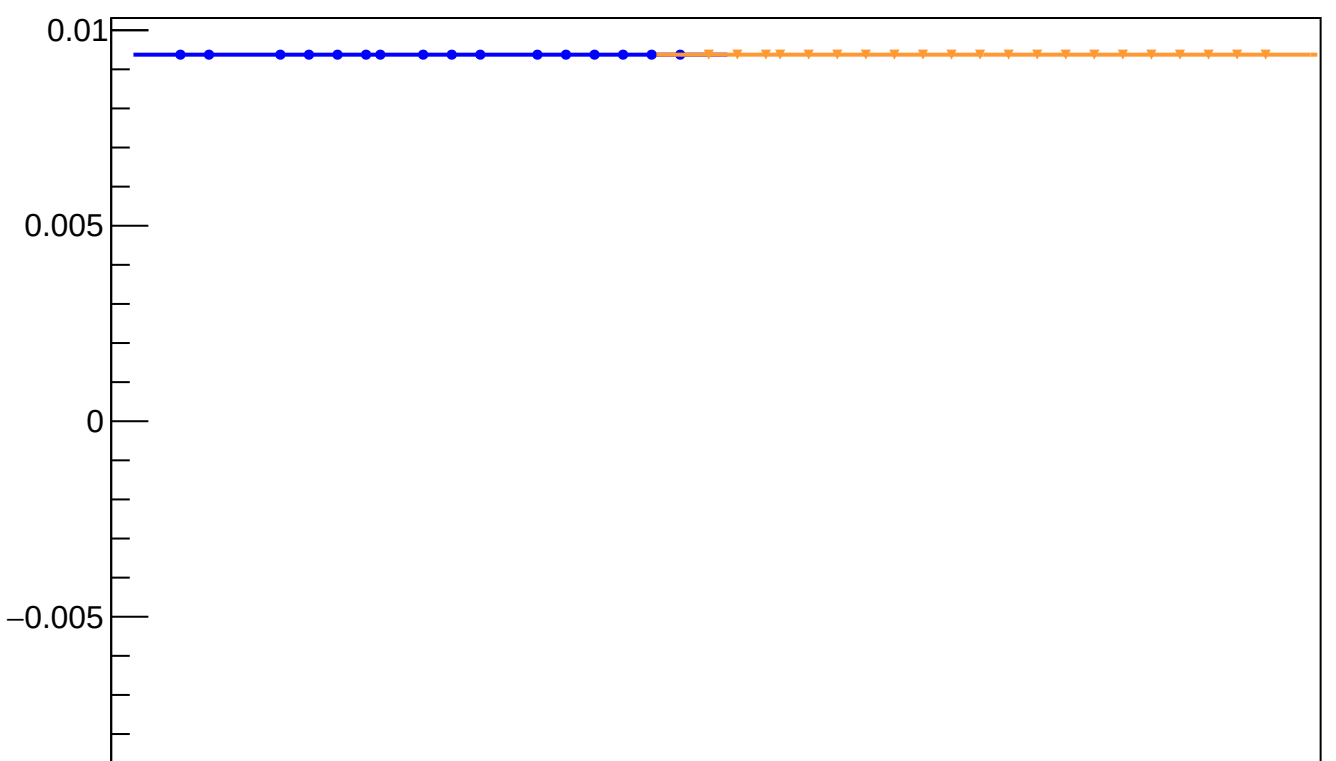
In: -275.257+/-0.000 χ^2/NDF:111745405548682

Out: 288.873+/-0.000 χ^2/NDF:116605424555526

All: 15.113+/-0.000 χ^2/NDF: 266960022220


HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
180
Left: 35.390+/-0.000 χ²/NDF: 3221084852827589
Right In: 980.804+/-0.000 χ²/NDF: 9333132768848077867742459330560/15
Right: -14.307+/-0.000 χ²/NDF: 144638600880856
Left Out: 980.767+/-0.000 χ²/NDF:74033991991057327363731331481 6.0/20
In: -364.088+/-0.000 χ²/NDF:1954838703200079
Right Out: -980.725+/-0.000 χ²/NDF: 560402056173583362216628762705 92.0/18
Out: 382.120+/-0.000 χ²/NDF:203965747854102
Left In: -980.774+/-0.000 χ²/NDF:14728265698452260587883053711 36.0/18
All: 20.001+/-0.000 χ²/NDF: 467003513280

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:0.0/20

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/18

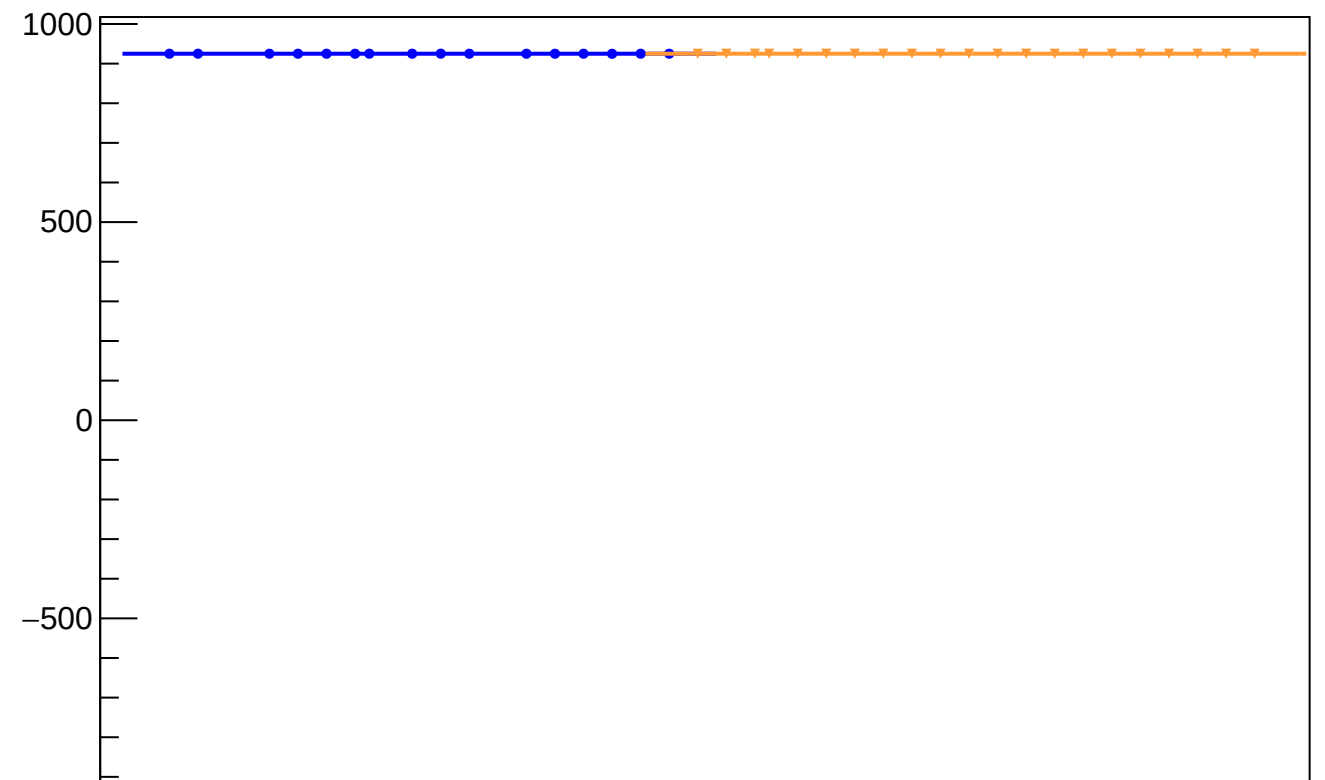
Left: 0.000+/-0.000 χ^2/NDF: 294313487921263614

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.003+/-0.000 χ^2/NDF:178608665676707249

Out: 0.004+/-0.000 χ^2/NDF:186374671874999611

All: 0.000+/-0.000 χ^2/NDF: 4267074100525



Right In: 924.966+/-0.000 χ^2/NDF: 254437050808765880053303712153 6.0/15

Left Out: 924.984+/-0.000 χ^2/NDF:926198981231542649172619427840.0/20

Right Out: -924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

Left In: -924.985+/-0.000 χ^2/NDF:75008714464900822880519349862 4.0/18

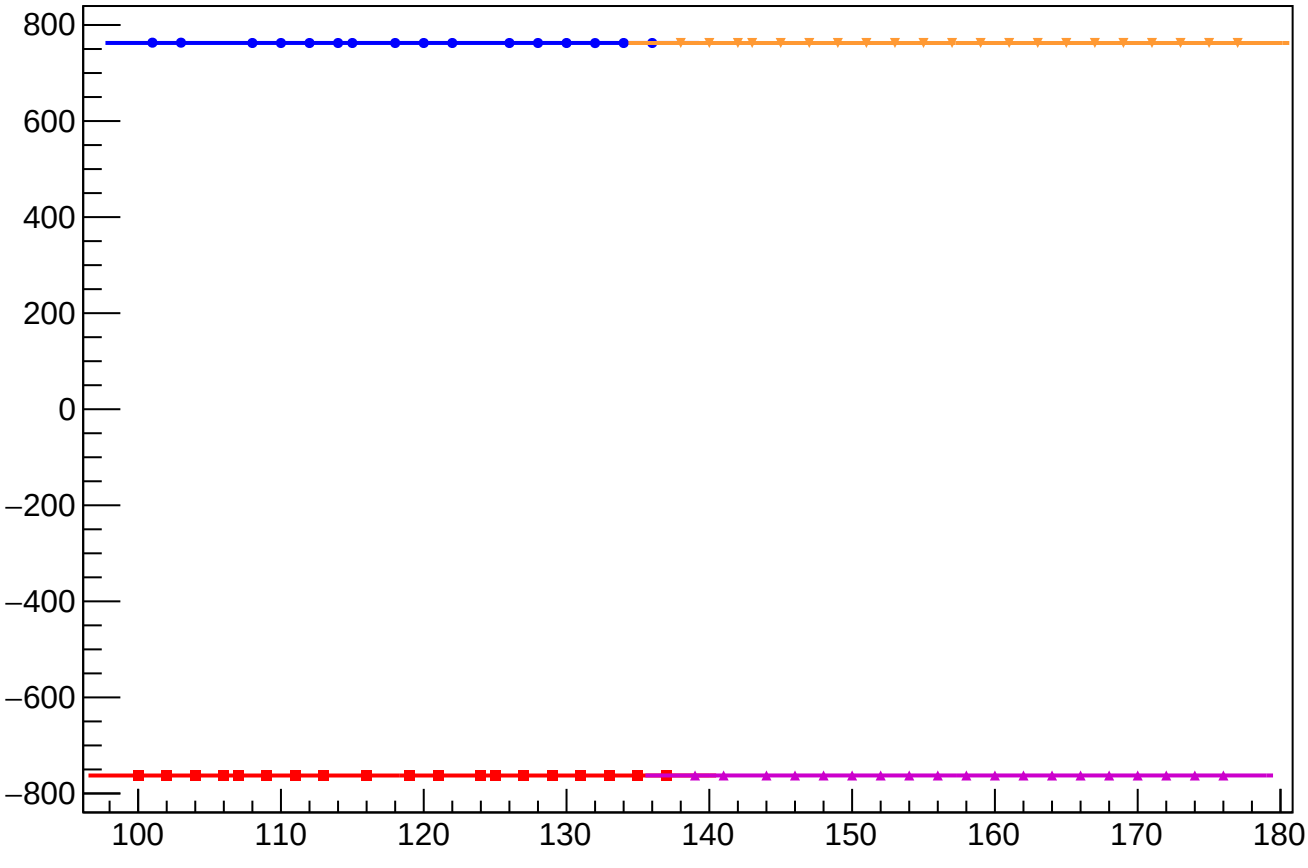
Left: 33.379+/-0.000 χ^2/NDF: 2865078791690992

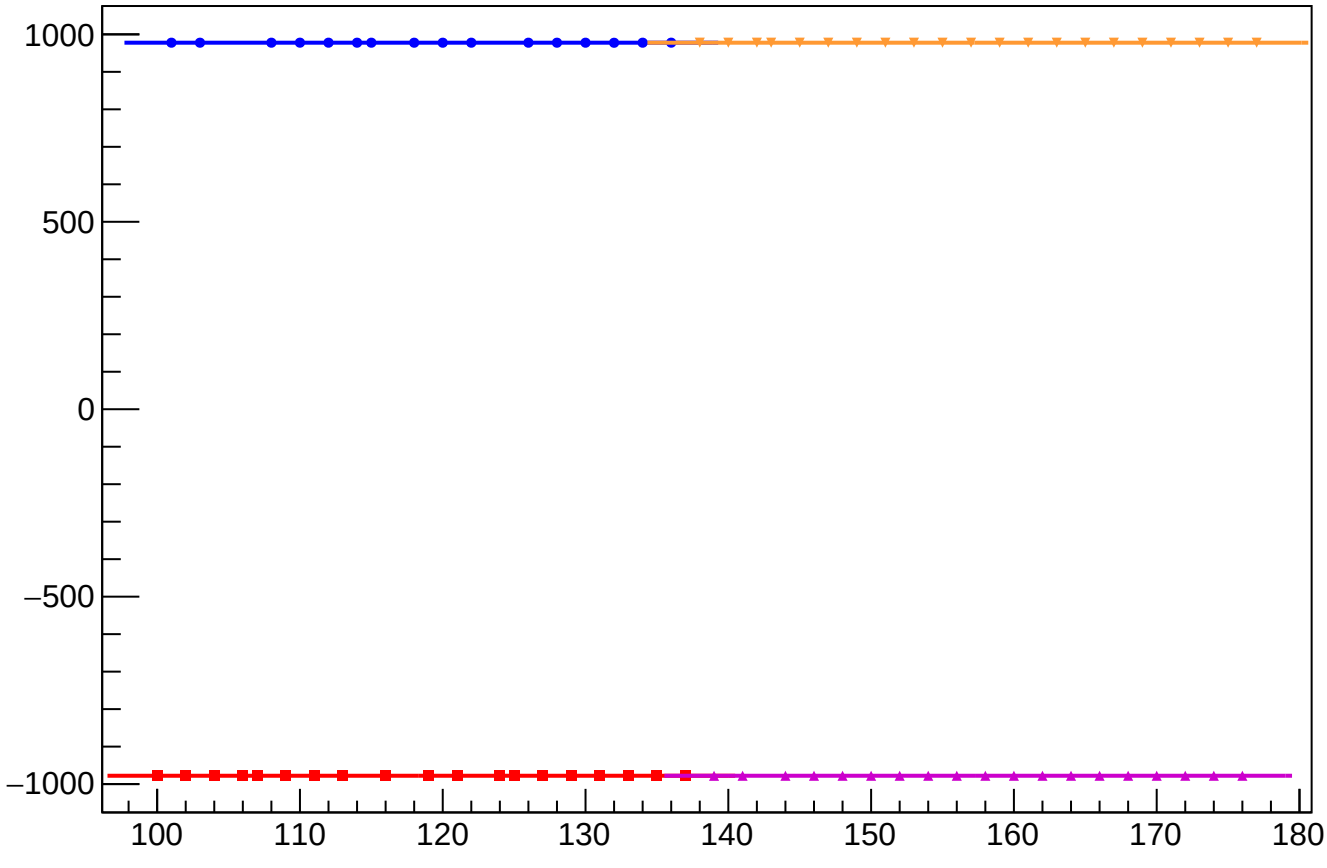
Right: -13.534+/-0.000 χ^2/NDF: 128650155911450

In: -343.392+/-0.000 χ^2/NDF:1738683844534461

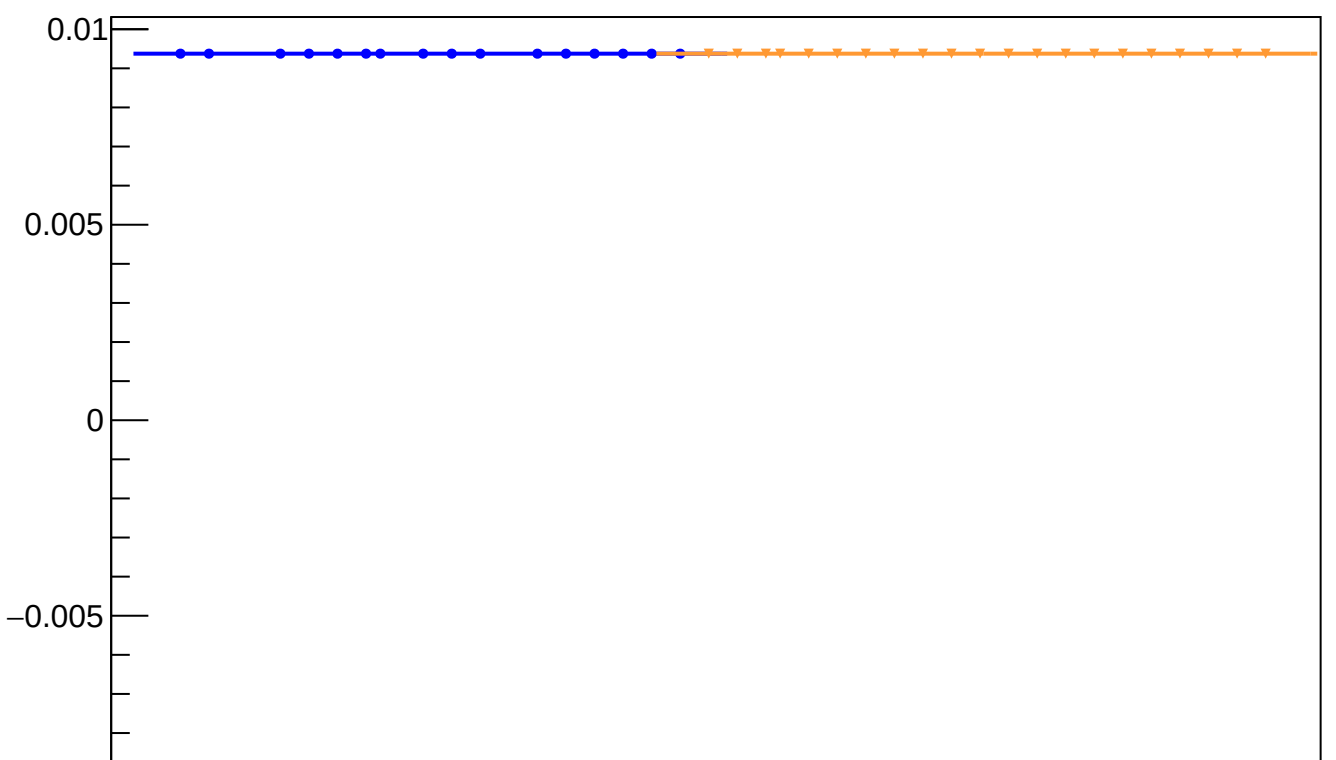
Out: 360.377+/-0.000 χ^2/NDF:1814295679330868

All: 18.852+/-0.000 χ^2/NDF: 415386546344


HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
170
180
Right In: 762.611+/-0.000 χ²/NDF: 52161453489138778834460408283136.0/15
Left Out: 762.516+/-0.000 χ²/NDF:67257317768348247573152976076 8.0/20
Right Out: -762.618+/-0.000 χ²/NDF: 53134338532630395841297843748864.0/18
Left In: -762.516+/-0.000 χ²/NDF:56735345613472247033441655 1936.0/18
Left: 27.517+/-0.000 χ²/NDF: 19469959102891242
Right: -11.159+/-0.000 χ²/NDF: 8745102746392638
In: -283.042+/-0.000 χ²/NDF:1181711933453558
Out: 297.045+/-0.000 χ²/NDF:1233105180461764
All: 15.541+/-0.000 χ²/NDF: 282305926277


HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
180
Left: 35.285+/-0.000 χ²/NDF: 3201185822468139
Right In: 977.749+/-0.000 χ²/NDF: 19595783310723160744482245181440/15
Right: -14.301+/-0.000 χ²/NDF: 143750377983115
Left Out: 977.737+/-0.000 χ²/NDF:1175974129422599114529330692096.0/20
In: -362.965+/-0.000 χ²/NDF:1942712724932150
Right Out: -977.747+/-0.000 χ²/NDF: 178222687781691472632796623672.0/18
Out: 380.923+/-0.000 χ²/NDF:2027183644702033
Left In: -977.735+/-0.000 χ²/NDF:10864234479016848090286669168640/18
All: 19.930+/-0.000 χ²/NDF: 4641242485849

hesDipole_current_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/20

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/18

Left: 0.000+/-0.000 χ^2/NDF: 29431348792126361

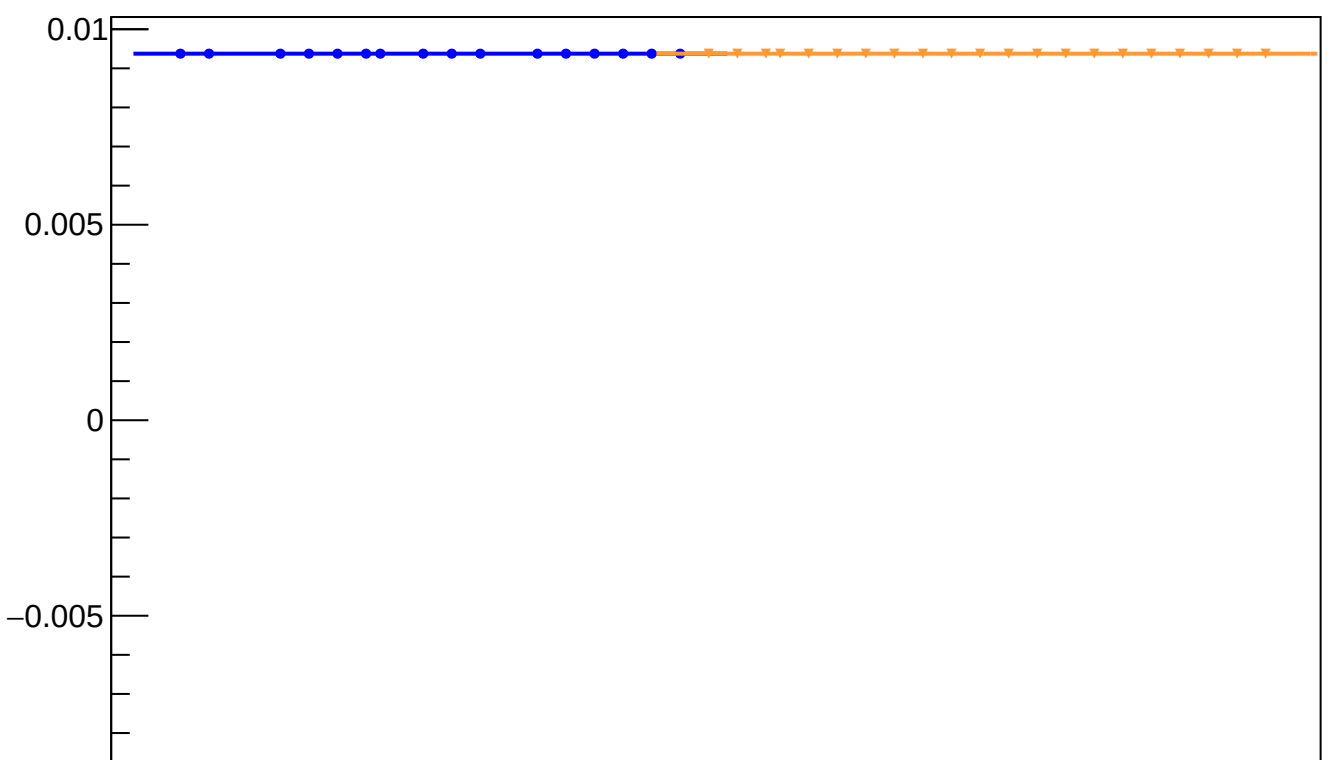
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.003+/-0.000 χ^2/NDF:178608665676707249

Out: 0.004+/-0.000 χ^2/NDF:186374671874999611

All: 0.000+/-0.000 χ^2/NDF: 4267074100525

MSUPERBIGBITEreadcalc_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:0.0/20

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/18

Left: 0.000+/-0.000 χ^2/NDF: 294313487921263614

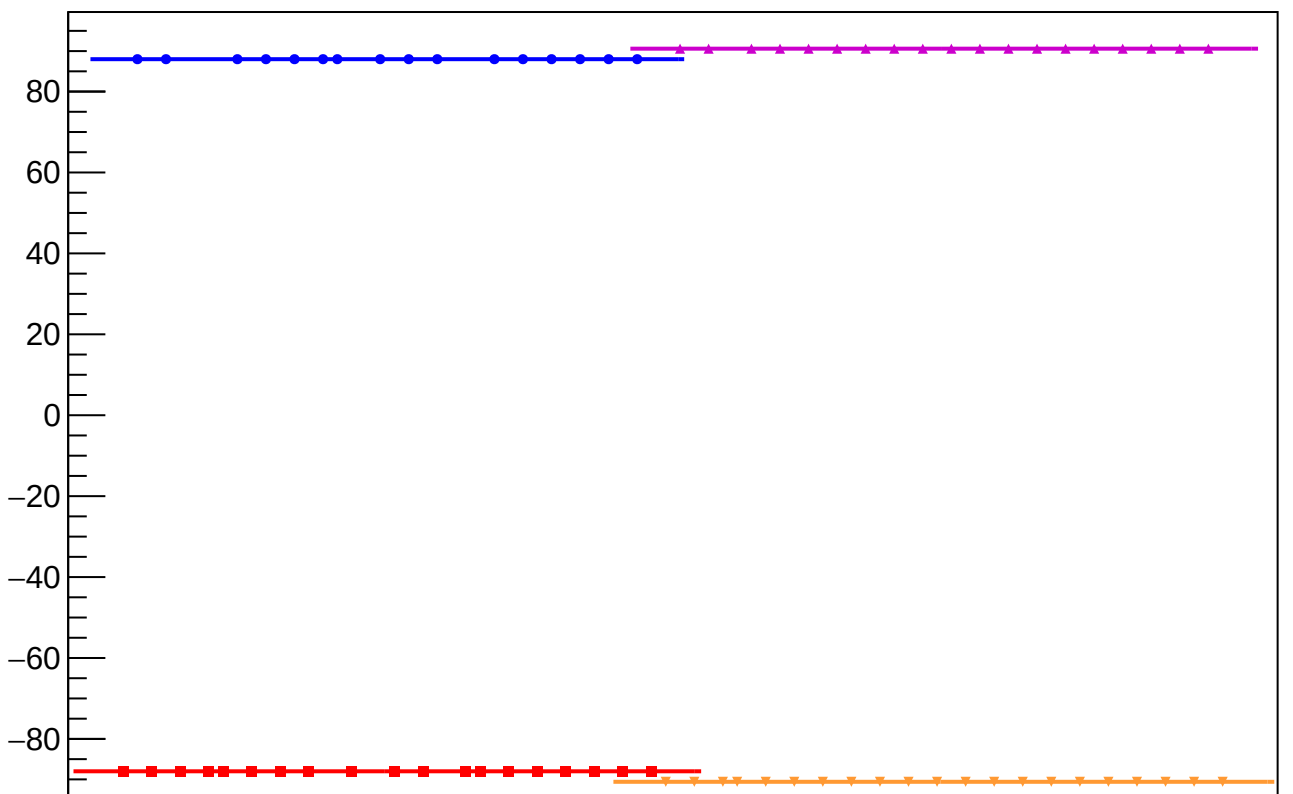
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.003+/-0.000 χ^2/NDF:178608665676707249

Out: 0.004+/-0.000 χ^2/NDF:186374671874999611

All: 0.000+/-0.000 χ^2/NDF: 4267074100525

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:4769213.2/20

Right Out: -88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

Left In: 90.599+/-0.000 χ^2/NDF:5540858.0/18

Left: -3.269+/-0.000 χ^2/NDF: 27486362333651251

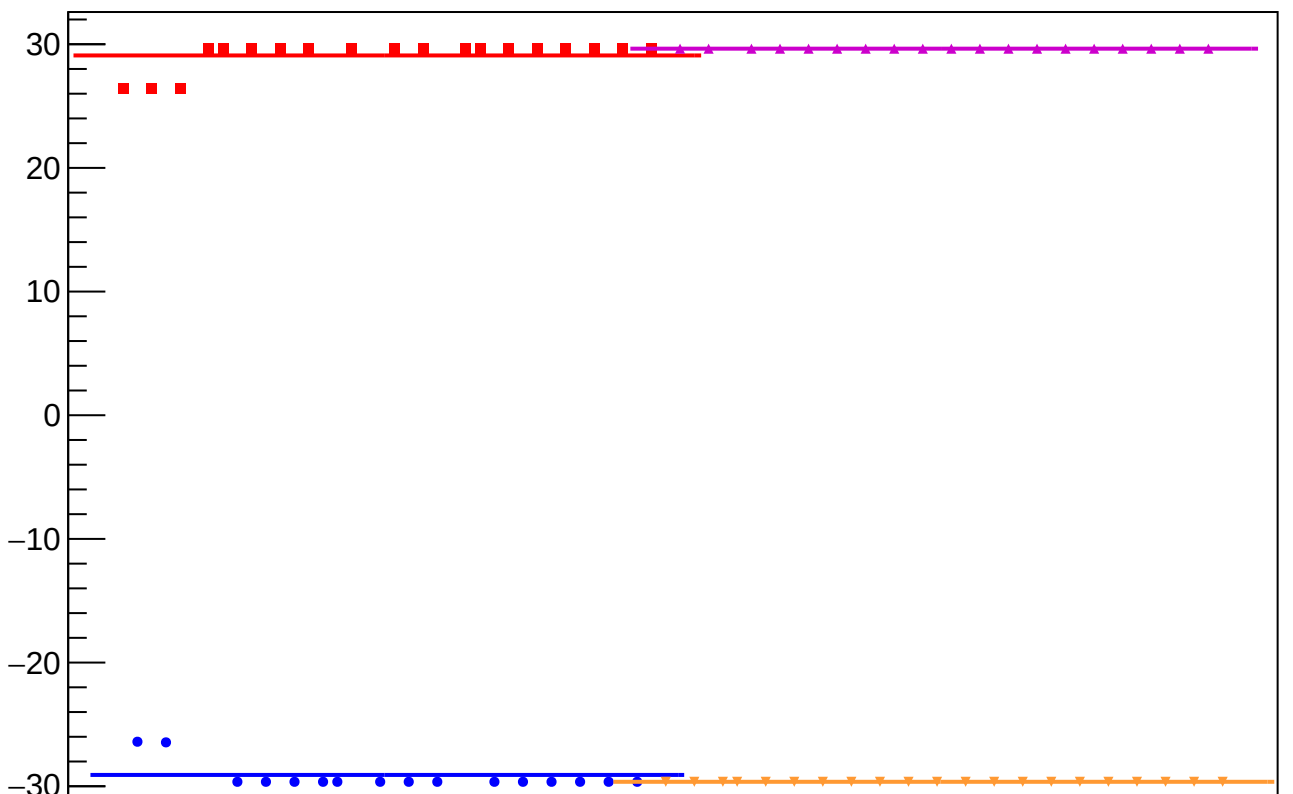
Right: -1.289+/-0.000 χ^2/NDF: 1164502782894649

In: 89.782+/-0.000 χ^2/NDF:343065274968807005

Out: -89.807+/-0.000 χ^2/NDF:3572447546180211

All: -2.656+/-0.000 χ^2/NDF: 3913546411456

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:450887.6/20

Right Out: 29.093+/-0.000 χ^2/NDF: 1125238156749692849797805899776000.0/18

Left In: 29.641+/-0.000 χ^2/NDF:119212.7/18

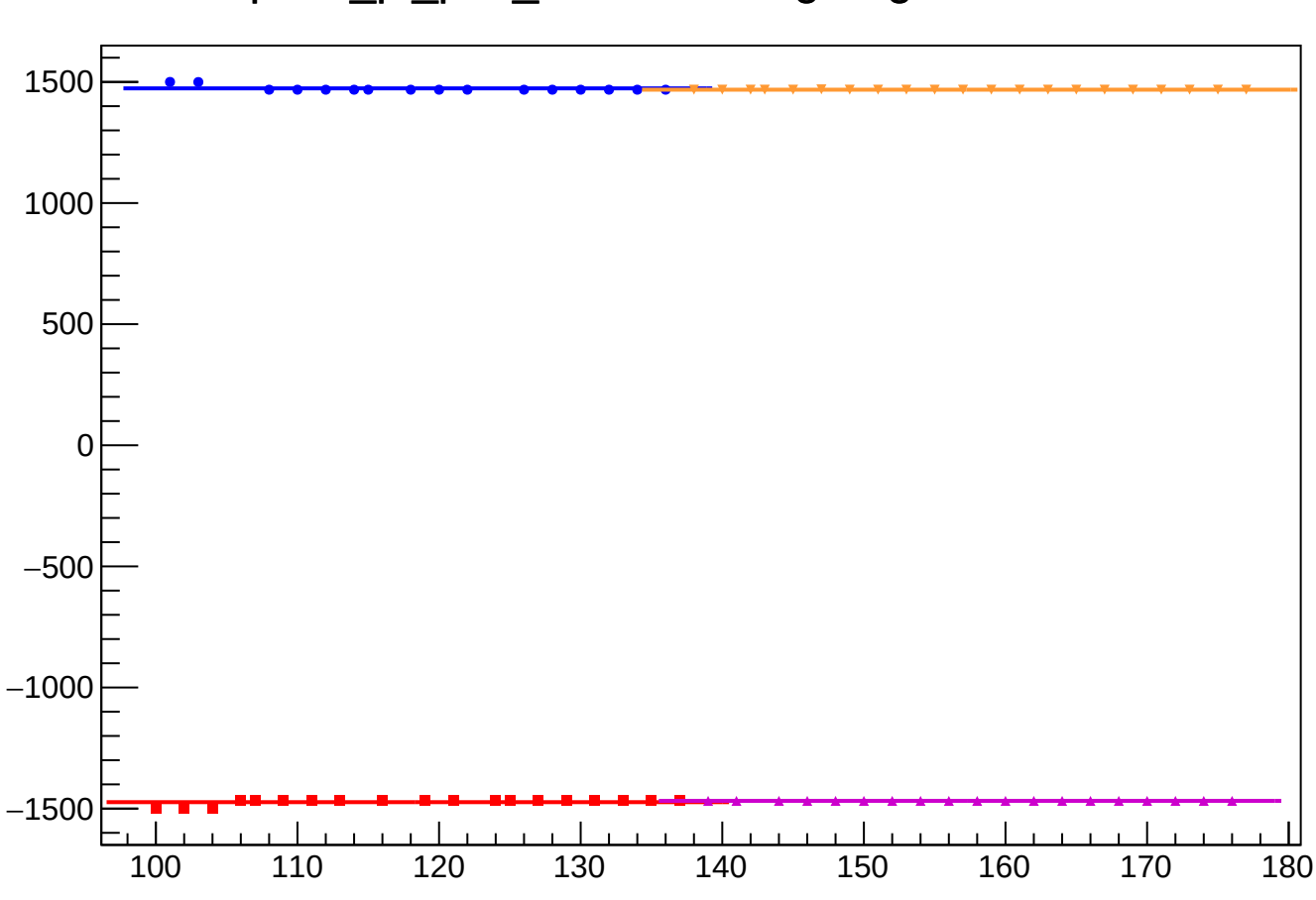
Left: -1.070+/-0.000 χ^2/NDF: 29420131933029826

Right: 0.429+/-0.000 χ^2/NDF: 1274600752257835

In: 11.178+/-0.000 χ^2/NDF:175320829225665915

Out: -11.715+/-0.000 χ^2/NDF:1829890247113697

All: -0.605+/-0.000 χ^2/NDF: 4218946682048



Right In: 1473.467+/-0.000 χ^2/NDF: 10689419486070617687848579370477158 4.0/15

Left Out: 1468.059+/-0.000 χ^2/NDF:13870059991730280744116213199667 2.0/20

Right Out: -1473.393+/-0.000 χ^2/NDF: 10990949973340107876106784330062 2336.0/18

Left In: -1467.993+/-0.000 χ^2/NDF:14434851481603366130836884684 8.0/18

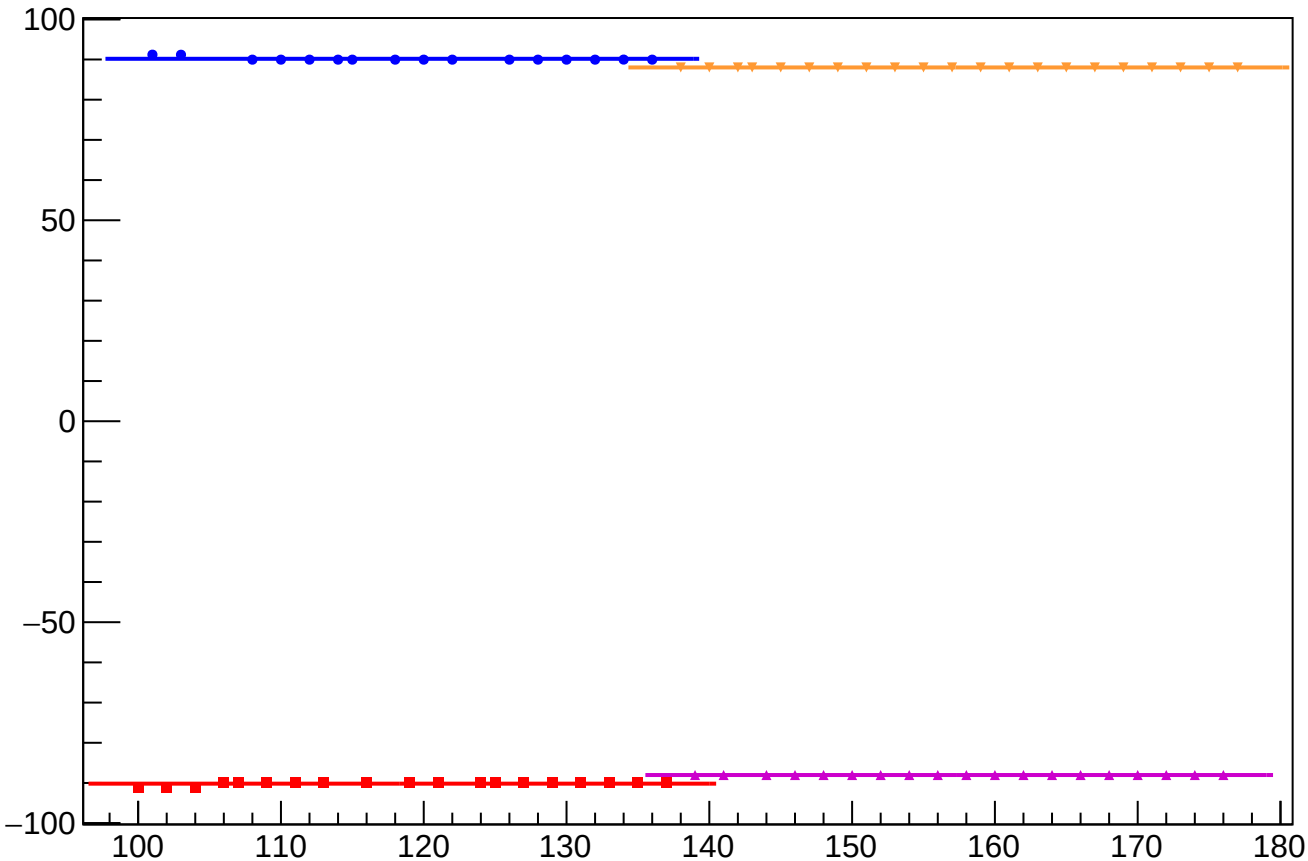
Left: 53.010+/-0.000 χ^2/NDF: 721663832891897 52

Right: -21.516+/-0.000 χ^2/NDF: 32646973859146 0

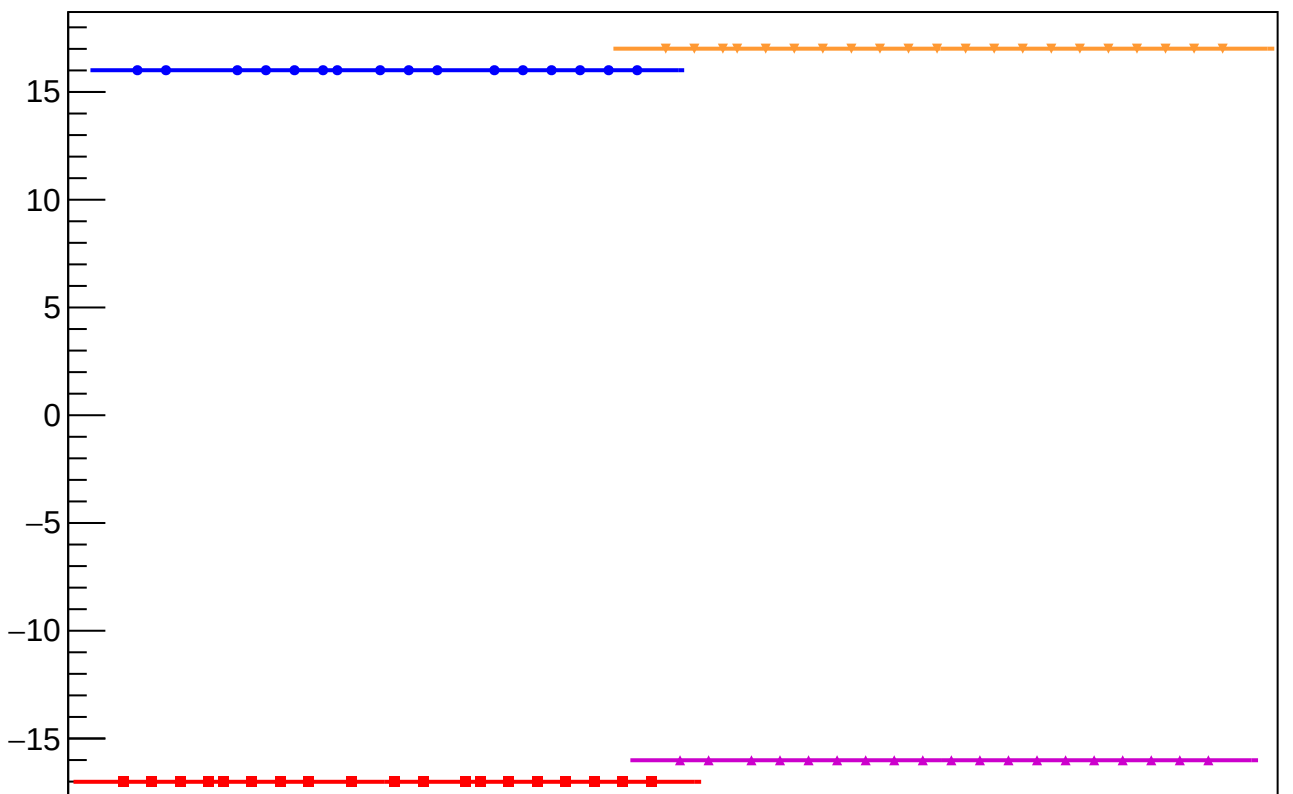
In: -543.248+/-0.000 χ^2/NDF:43957849711769 3

Out: 570.328+/-0.000 χ^2/NDF:45868896605126 8

All: 29.933+/-0.000 χ^2/NDF: 1048710237241


Phi_FG_mean vs Slug, Sign Corrected
100
50
0
−50
−100
100
110
120
130
140
150
160
170
180
Right In: 90.173+/-0.000 χ²/NDF: 160010492173064584437589858058240.0/15
Left Out: 88.021+/-0.000 χ²/NDF:4193054.5/20
Right Out: -90.169+/-0.000 χ²/NDF: 164815404456112641329707295440896.0/18
Left In: -88.021+/-0.000 χ²/NDF:5262169.2/18
Left: 3.176+/-0.000 χ²/NDF: 259440205526169252
Right: -1.317+/-0.000 χ²/NDF: 1222640469973926
In: -32.000+/-0.000 χ²/NDF:16131985093770184
Out: 33.637+/-0.000 χ²/NDF:1683269021492396
All: 1.785+/-0.000 χ²/NDF: 38191389595563

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:2481816137515248811769856O.0/20

Right Out: -17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

Left In: -16.009+/-0.000 χ^2/NDF:123723854551096389271552.0/18

Left: 0.994+/-0.000 χ^2/NDF: 845531704001364985

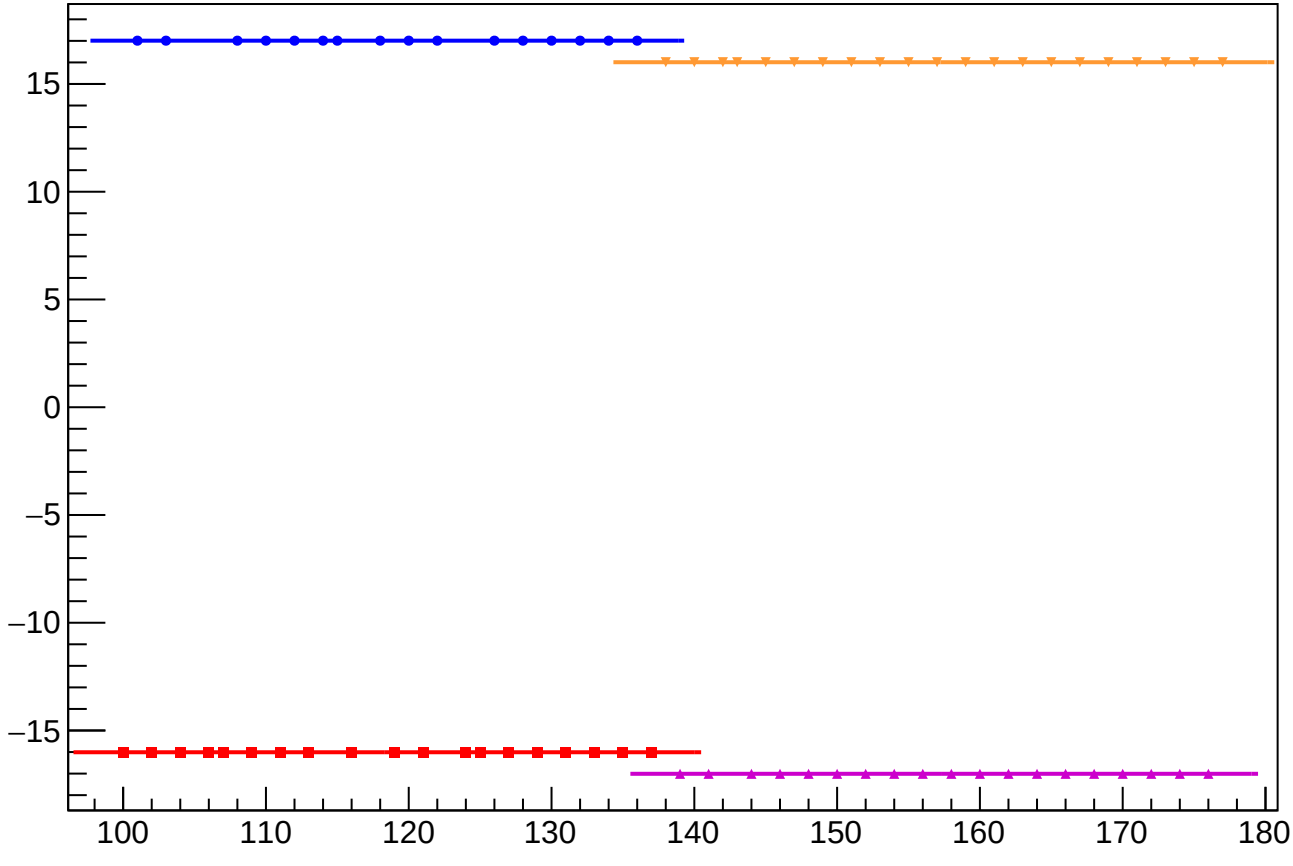
Right: -0.393+/-0.000 χ^2/NDF: 38020254772992161

In: -5.829+/-0.000 χ^2/NDF:490875893837911013

Out: 6.724+/-0.000 χ^2/NDF:559497875509217501

All: 0.564+/-0.000 χ^2/NDF: 12275882897167

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF: 126634.3/15

Left Out: 16.009+/-0.000 χ^2/NDF:76904.5/20

Right Out: -16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: -17.009+/-0.000 χ^2/NDF:1100727507618891237949440.0/18

Left: 0.162+/-0.000 χ^2/NDF: 895277037416146541

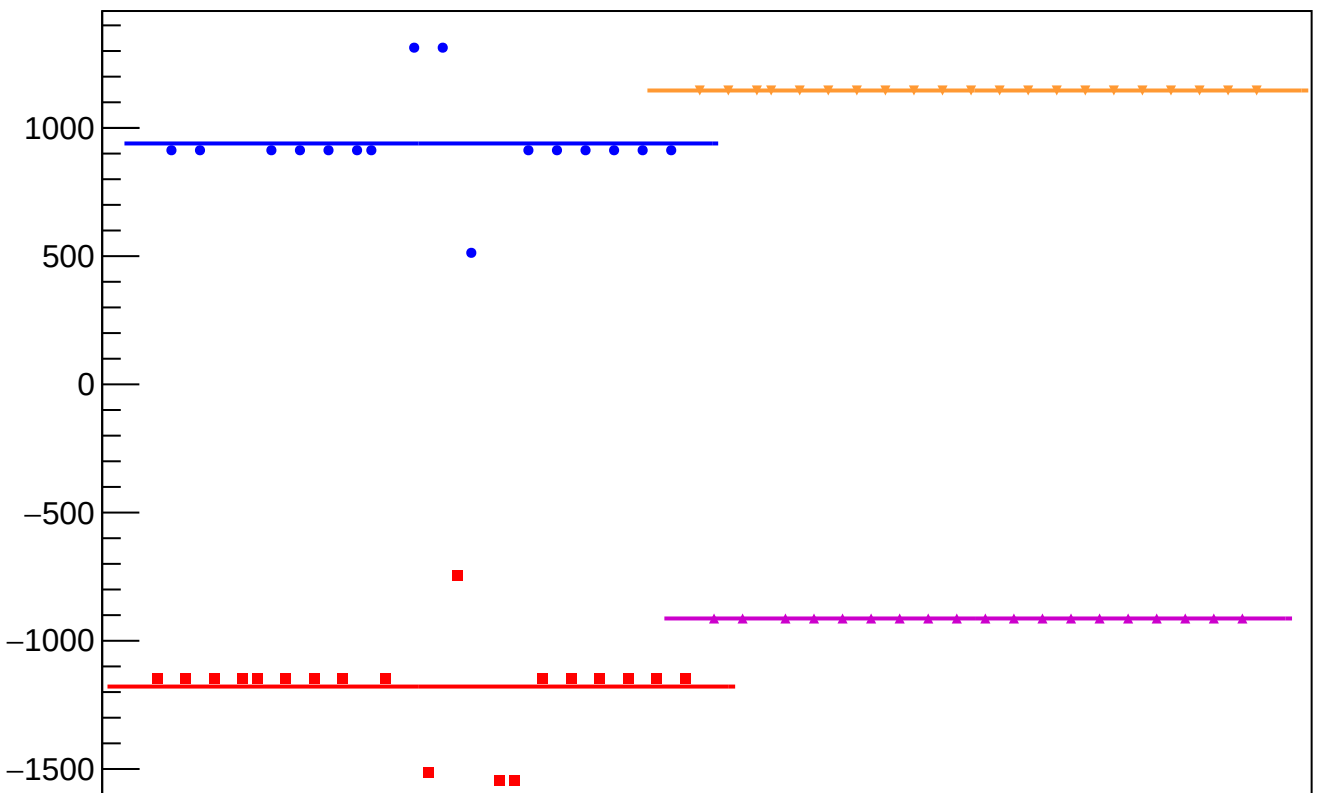
Right: -0.086+/-0.000 χ^2/NDF: 39906944354741345

In: -6.488+/-0.000 χ^2/NDF:565147707883969560

Out: 6.170+/-0.000 χ^2/NDF:539018385164490174

All: 0.086+/-0.000 χ^2/NDF: 12944088440233

RTPAPOSUCNT_mean vs Slug, Sign Corrected



Left: 153.660+/-0.000 χ^2/NDF: 3549137357799666

Right In: 939.446+/-0.000 χ^2/NDF: 21082933856092788763552768673189986304.0/15

Right: -135.024+/-0.000 χ^2/NDF: 17295046801044

Left Out: 1146.011+/-0.000 χ^2/NDF:6150278752233402931448119296.0/20

In: -330.620+/-0.000 χ^2/NDF:1764449682208529

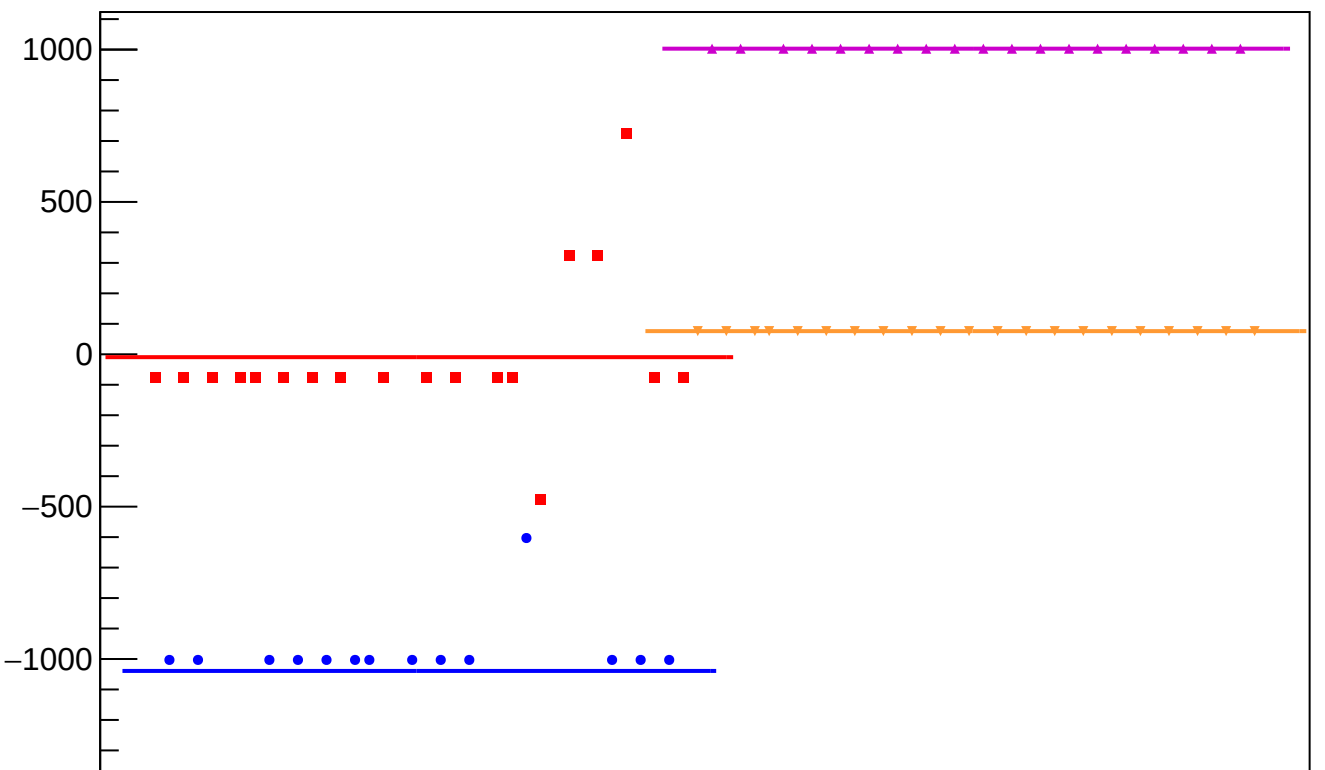
Right Out: -1178.513+/-0.000 χ^2/NDF: 22140259958123277565481106114837741568.0/18

Out: 436.566+/-0.000 χ^2/NDF:2886664069352793

Left In: -912.995+/-0.000 χ^2/NDF:22104744587880468273478762496.0/18

All: 64.267+/-0.000 χ^2/NDF: 5365170250337

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Left: 522.774+/-0.000 χ^2/NDF: 7193610921697317

Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911104.0/15

Right: -516.762+/-0.000 χ^2/NDF: 46752928412988

Left Out: 76.011+/-0.000 χ^2/NDF:1007507736521255906168117657 6.0/20

In: 360.974+/-0.000 χ^2/NDF:21415909164359702

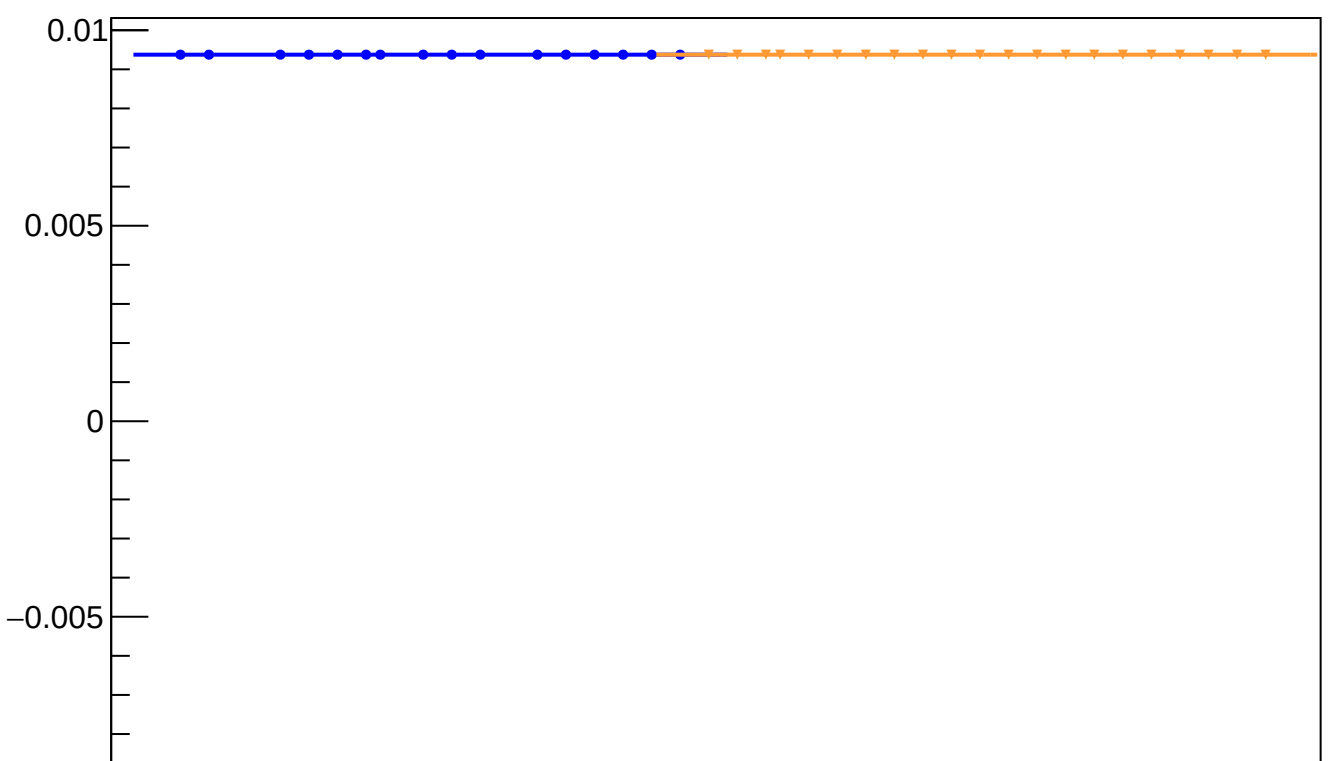
Right Out: -9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515 40992.0/18

Out: 49.935+/-0.000 χ^2/NDF:49927446510295644

Left In: 1002.990+/-0.000 χ^2/NDF:254683080756799929023306137 6.0/18

All: 200.876+/-0.000 χ^2/NDF: 23088899528

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:0.0/20

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/18

Left: 0.000+/-0.000 χ^2/NDF: 29431348792126361

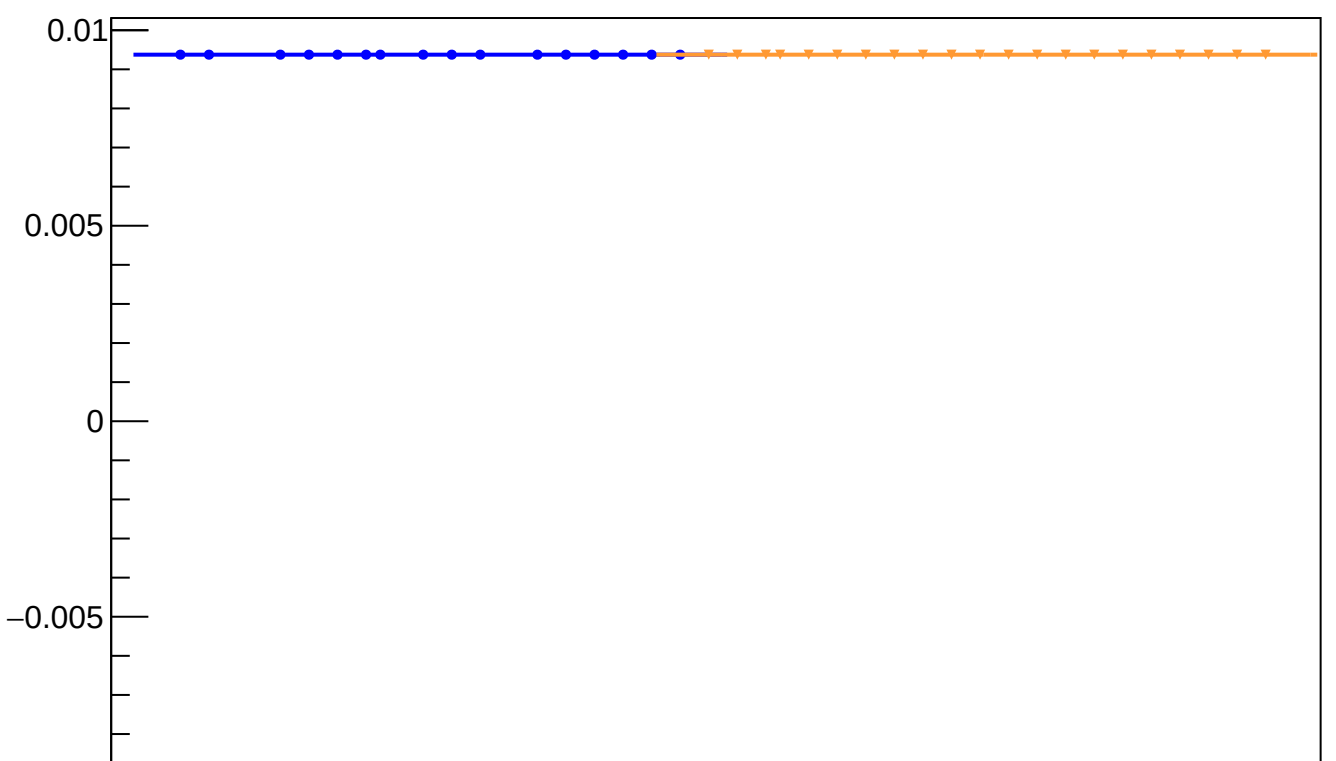
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.003+/-0.000 χ^2/NDF:178608665676707249

Out: 0.004+/-0.000 χ^2/NDF:186374671874999611

All: 0.000+/-0.000 χ^2/NDF: 4267074100525

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:0.0/20

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/18

Left: 0.000+/-0.000 χ^2/NDF: 29431348792126361

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.003+/-0.000 χ^2/NDF:178608665676707249

Out: 0.004+/-0.000 χ^2/NDF:186374671874999611

All: 0.000+/-0.000 χ^2/NDF: 4267074100525