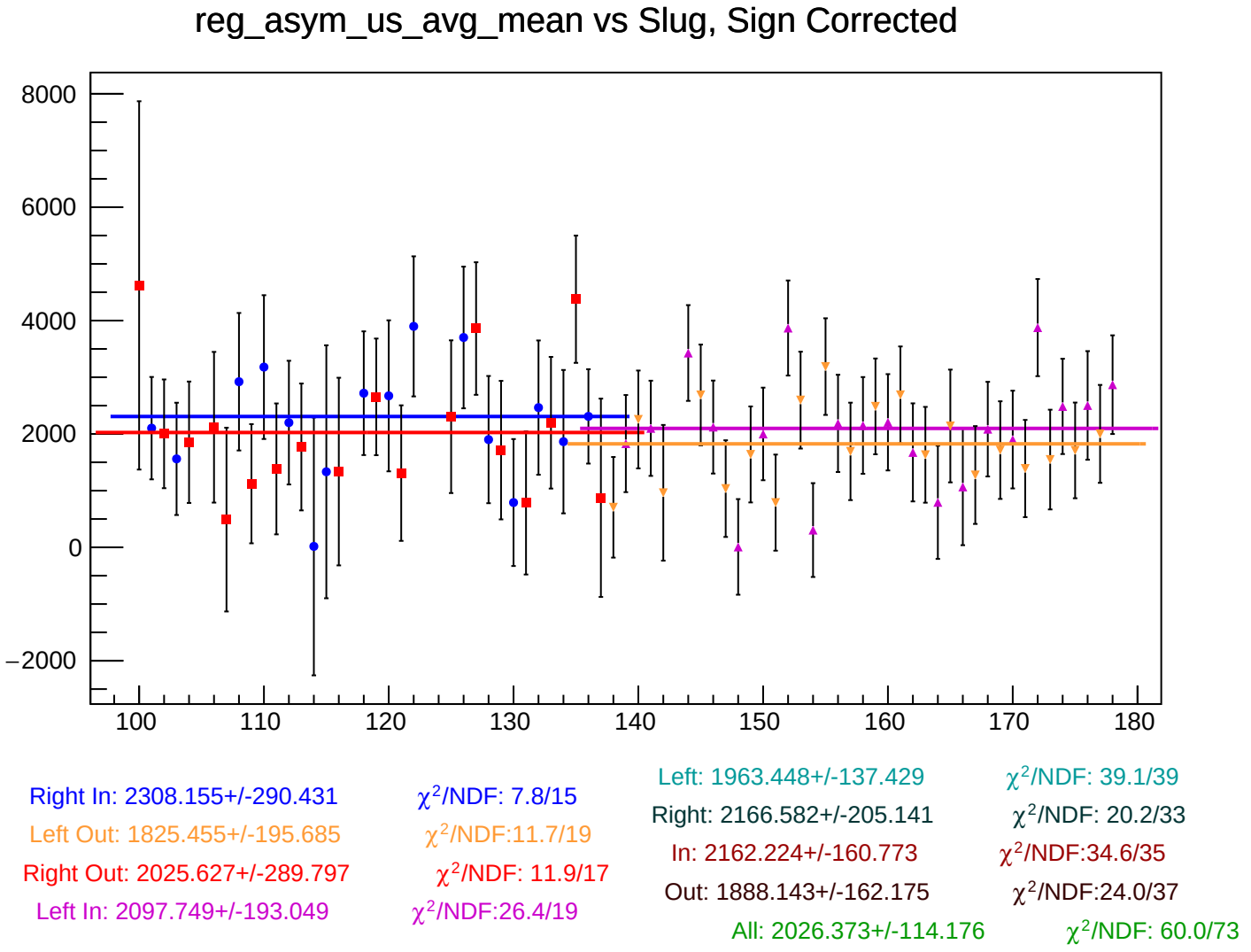
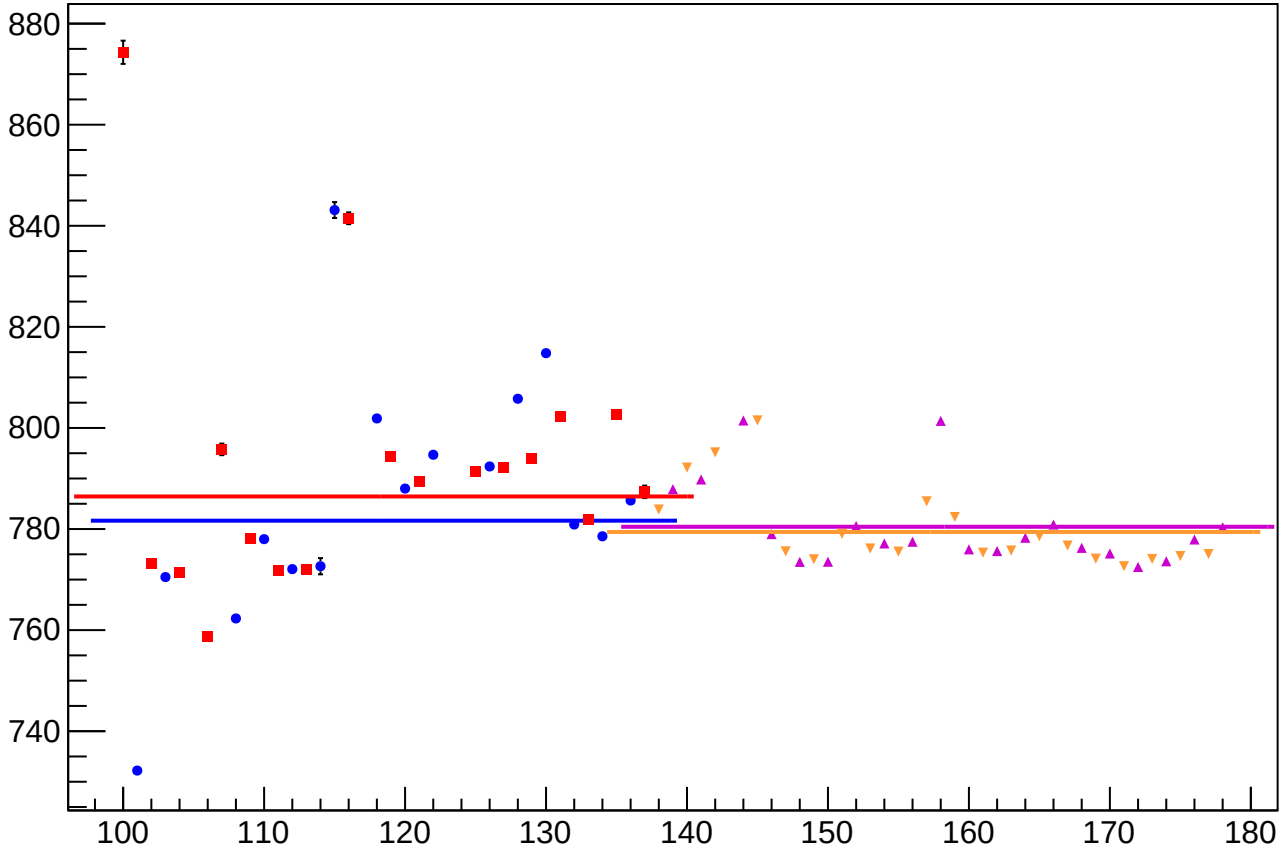

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
180
Right In: 2308.155+/-290.431
χ²/NDF: 7.8/15
Left Out: 1825.455+/-195.685
χ²/NDF:11.7/19
Right Out: 2025.627+/-289.797
χ²/NDF: 11.9/17
Left In: 2097.749+/-193.049
χ²/NDF:26.4/19
Left: 1963.448+/-137.429
χ²/NDF: 39.1/39
Right: 2166.582+/-205.141
χ²/NDF: 20.2/33
In: 2162.224+/-160.773
χ²/NDF:34.6/35
Out: 1888.143+/-162.175
χ²/NDF:24.0/37
All: 2026.373+/-114.176
χ²/NDF: 60.0/73

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: 780.448+/-0.137 χ^2/NDF:3756.5/19

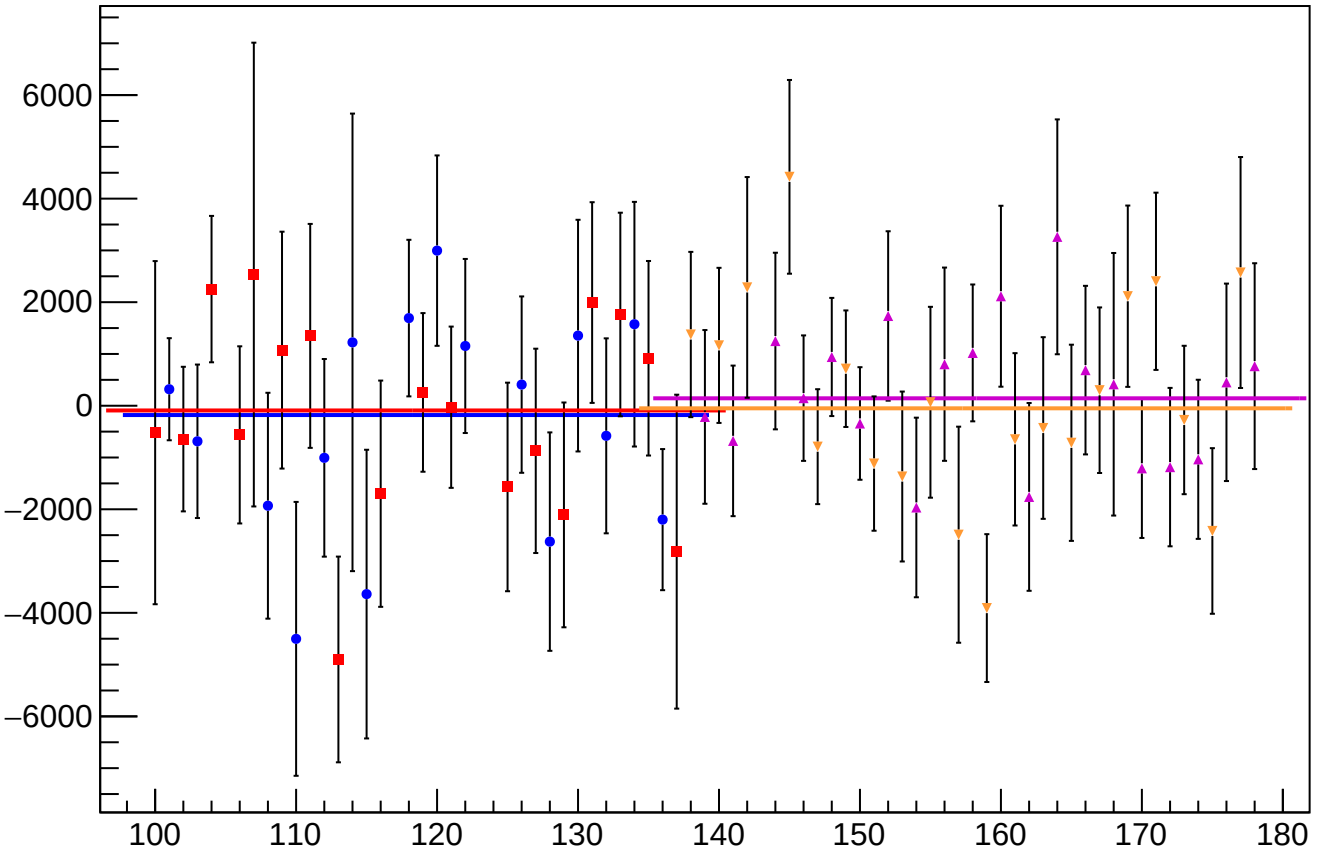
Left: 779.938+/-0.097 χ^2/NDF: 6659.0/39

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

In: 780.817+/-0.114 χ^2/NDF:16099.5/35

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

All: 781.213+/-0.081 χ^2/NDF: 27007.9/73



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: 143.420+/-346.628 χ^2/NDF:11.3/19

Left: 48.470+/-247.309 χ^2/NDF: 38.3/39

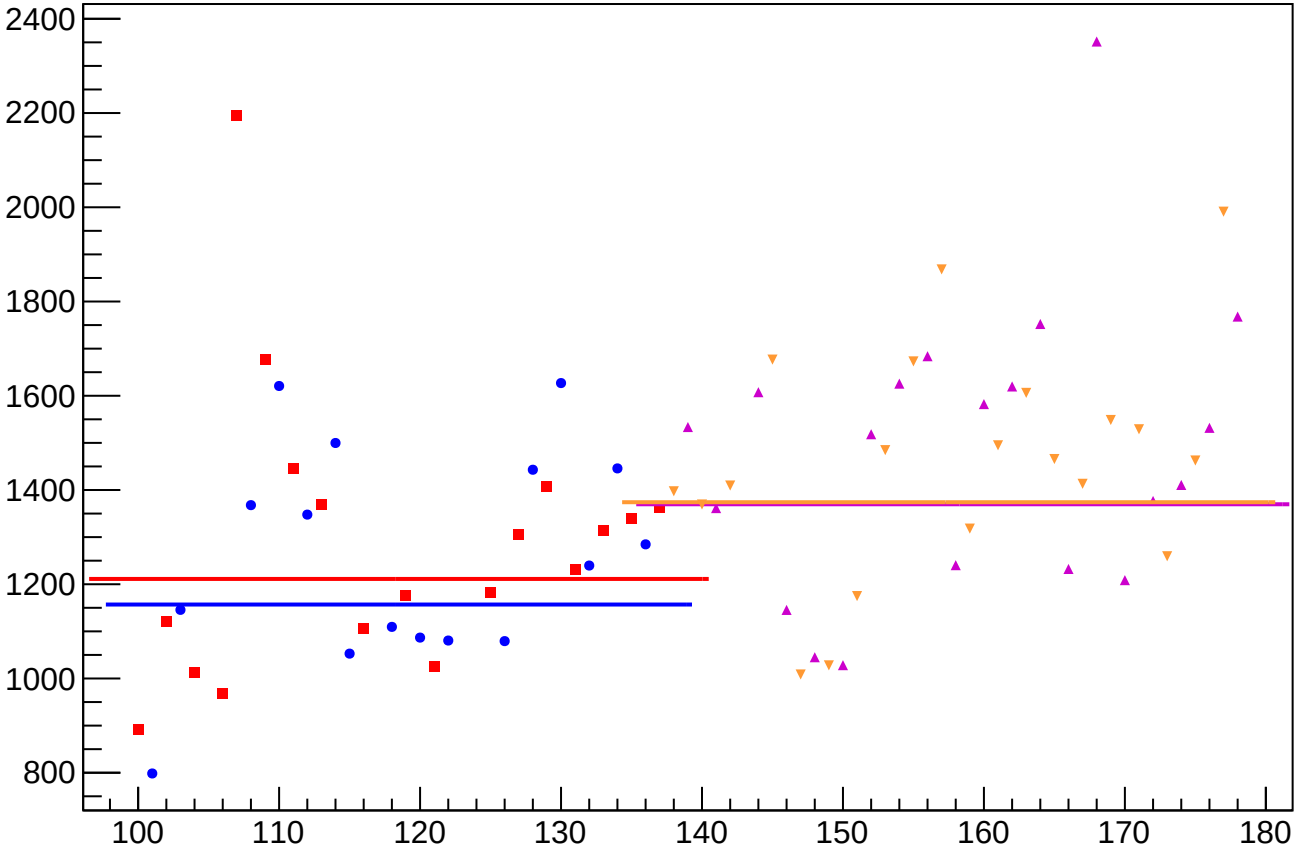
Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: 19.861+/-272.467 χ^2/NDF:27.1/35

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

All: -21.835+/-194.877 χ^2/NDF: 69.1/73

asym_us_avg_reg_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: 1369.731+/-0.245 χ^2/NDF:1185106.5/19

Left: 1371.865+/-0.175 χ^2/NDF: 2128253.8/39

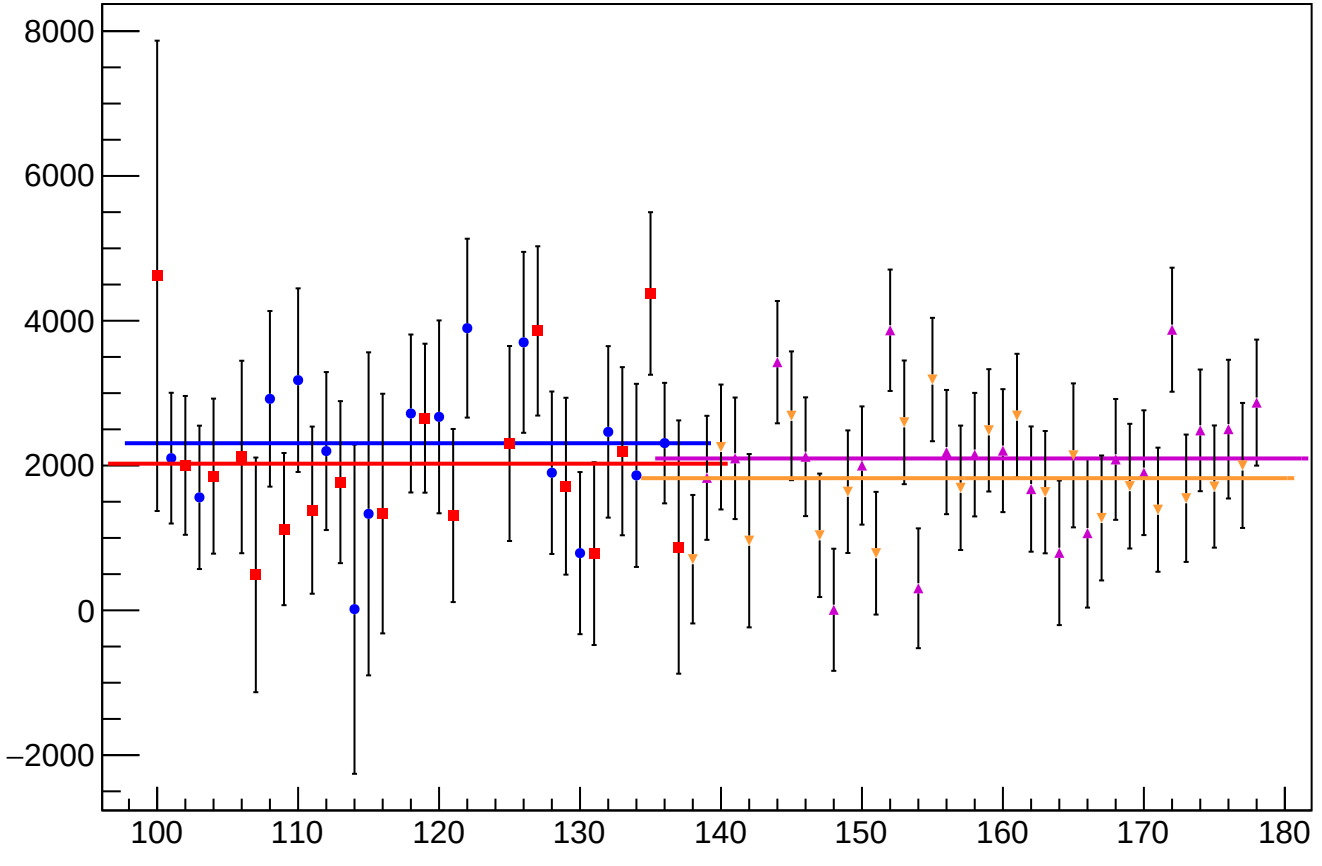
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1288.422+/-0.193 χ^2/NDF:2042217.9/35

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

All: 1300.368+/-0.138 χ^2/NDF: 3550758.5/73

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: 2097.749+/-193.049 χ^2/NDF:26.4/19

Left: 1963.448+/-137.429 χ^2/NDF: 39.1/39

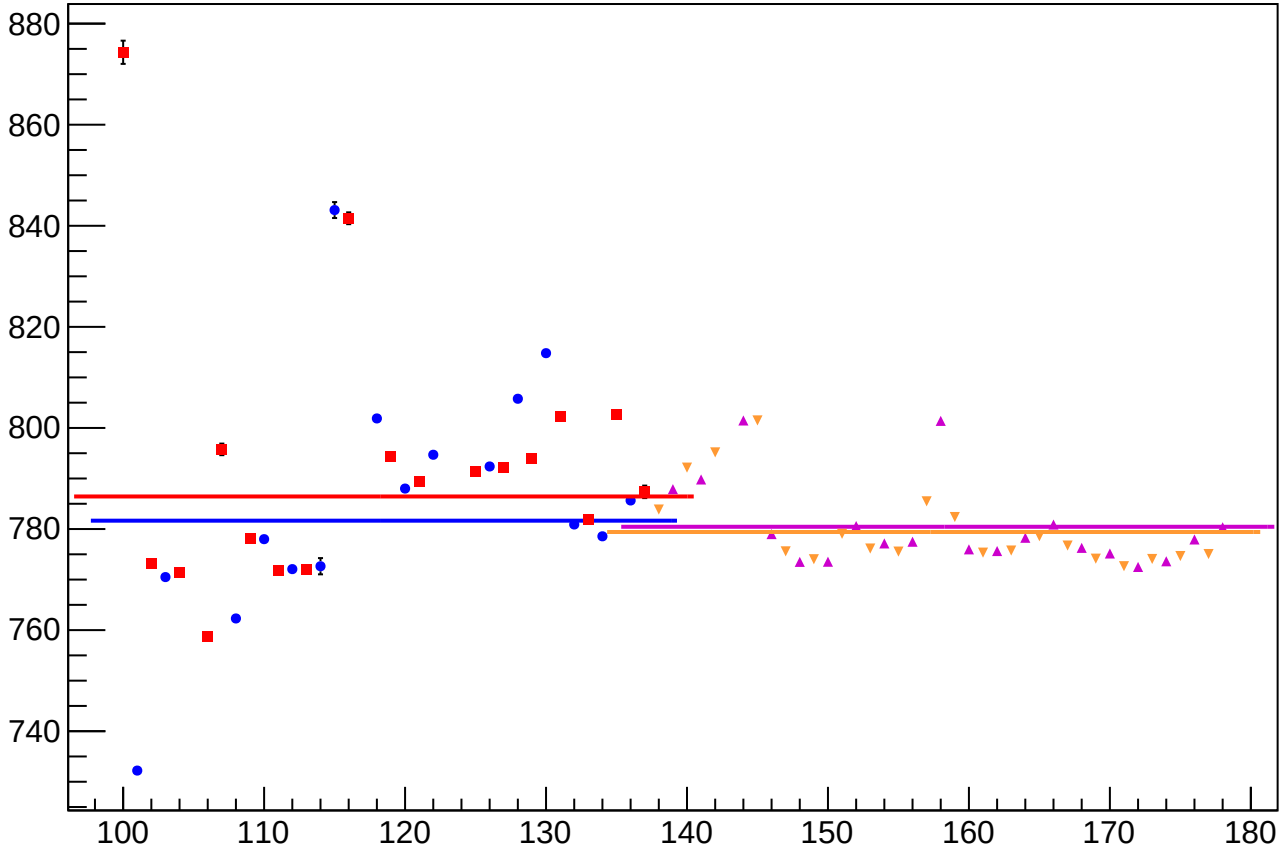
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2162.224+/-160.773 χ^2/NDF:34.6/35

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

All: 2026.373+/-114.176 χ^2/NDF: 60.0/73

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: 780.448+/-0.137 χ^2/NDF:3756.5/19

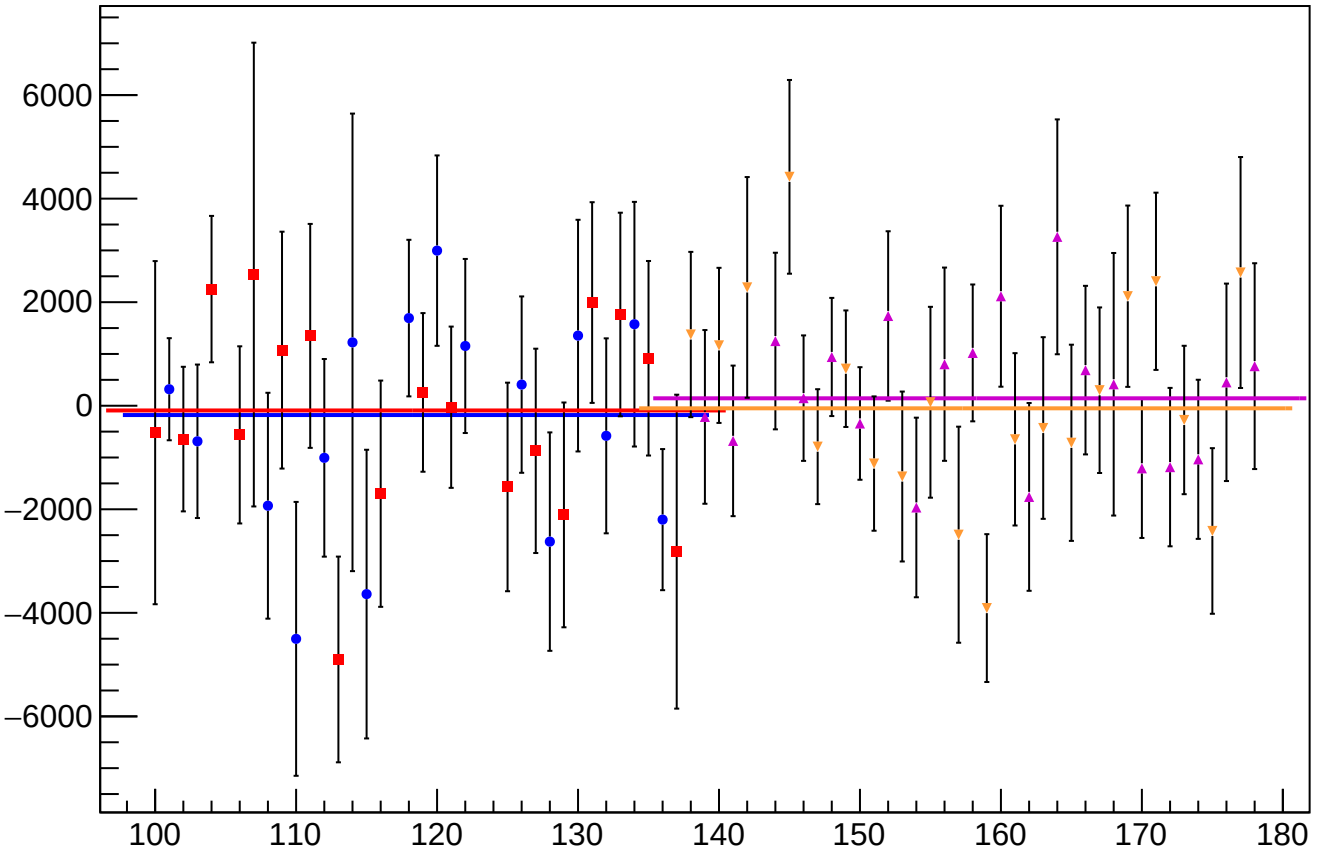
Left: 779.938+/-0.097 χ^2/NDF: 6659.0/39

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

In: 780.817+/-0.114 χ^2/NDF:16099.5/35

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

All: 781.213+/-0.081 χ^2/NDF: 27007.9/73



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: 143.420+/-346.628 χ^2/NDF:11.3/19

Left: 48.470+/-247.309 χ^2/NDF: 38.3/39

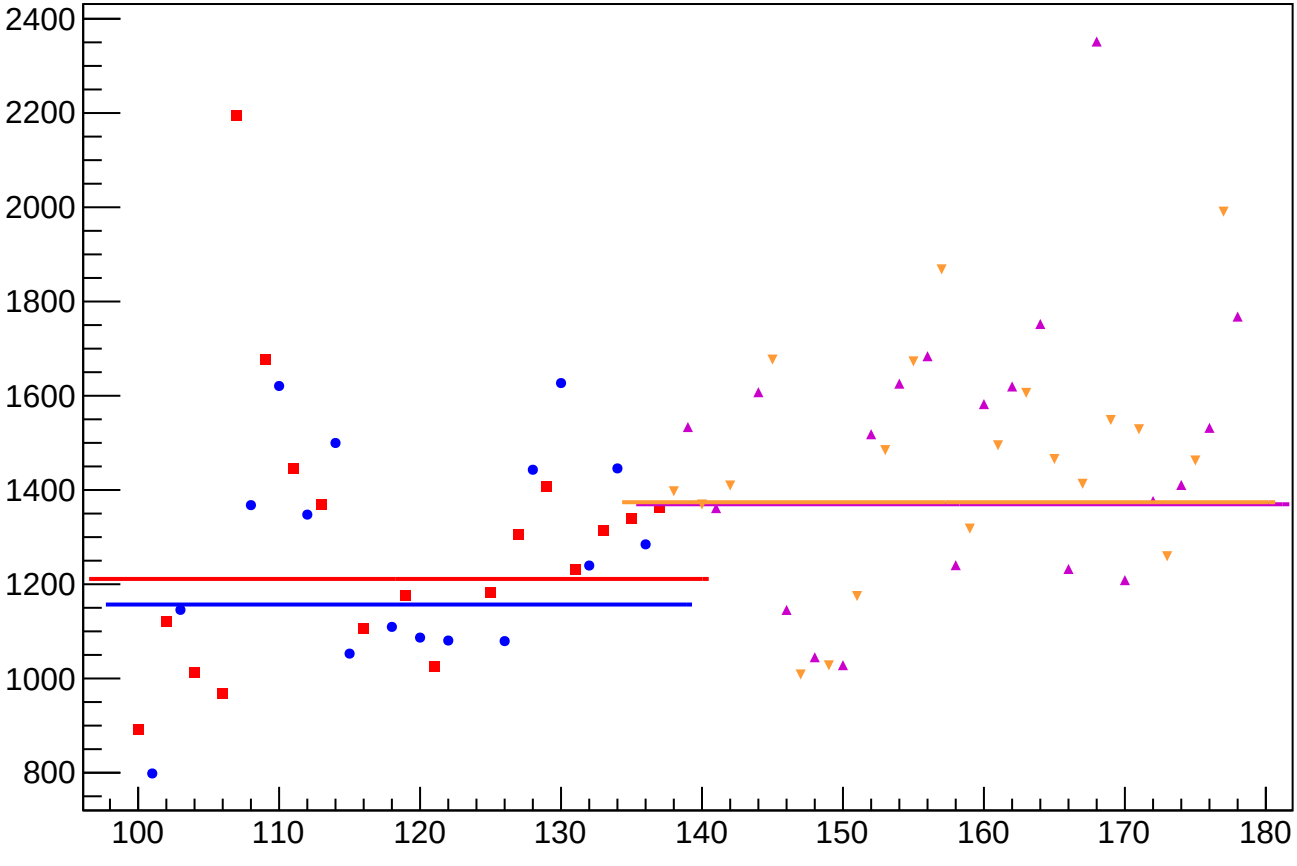
Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: 19.861+/-272.467 χ^2/NDF:27.1/35

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

All: -21.835+/-194.877 χ^2/NDF: 69.1/73

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: 1369.731+/-0.245 χ^2/NDF:1185106.5/19

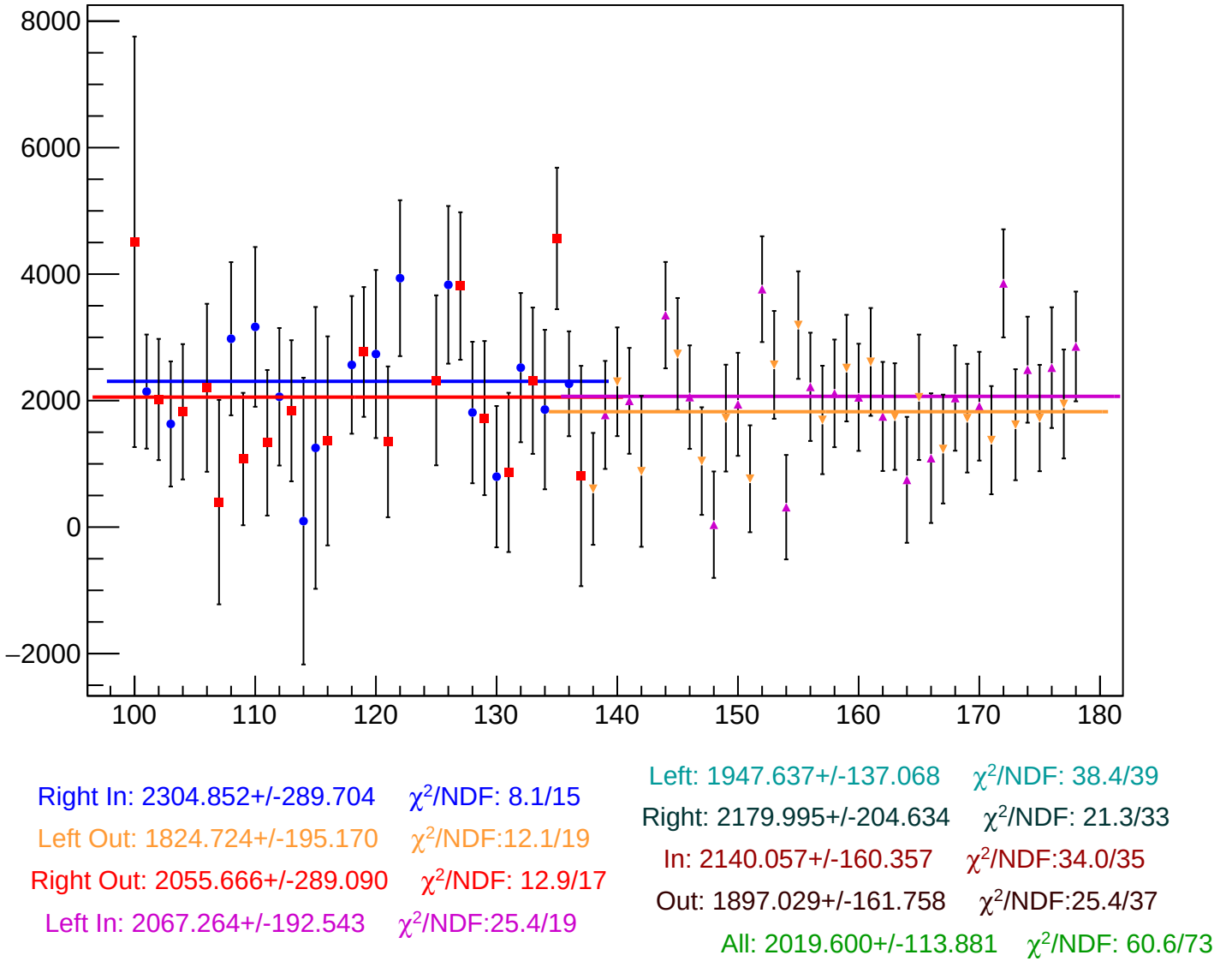
Left: 1371.865+/-0.175 χ^2/NDF: 2128253.8/39

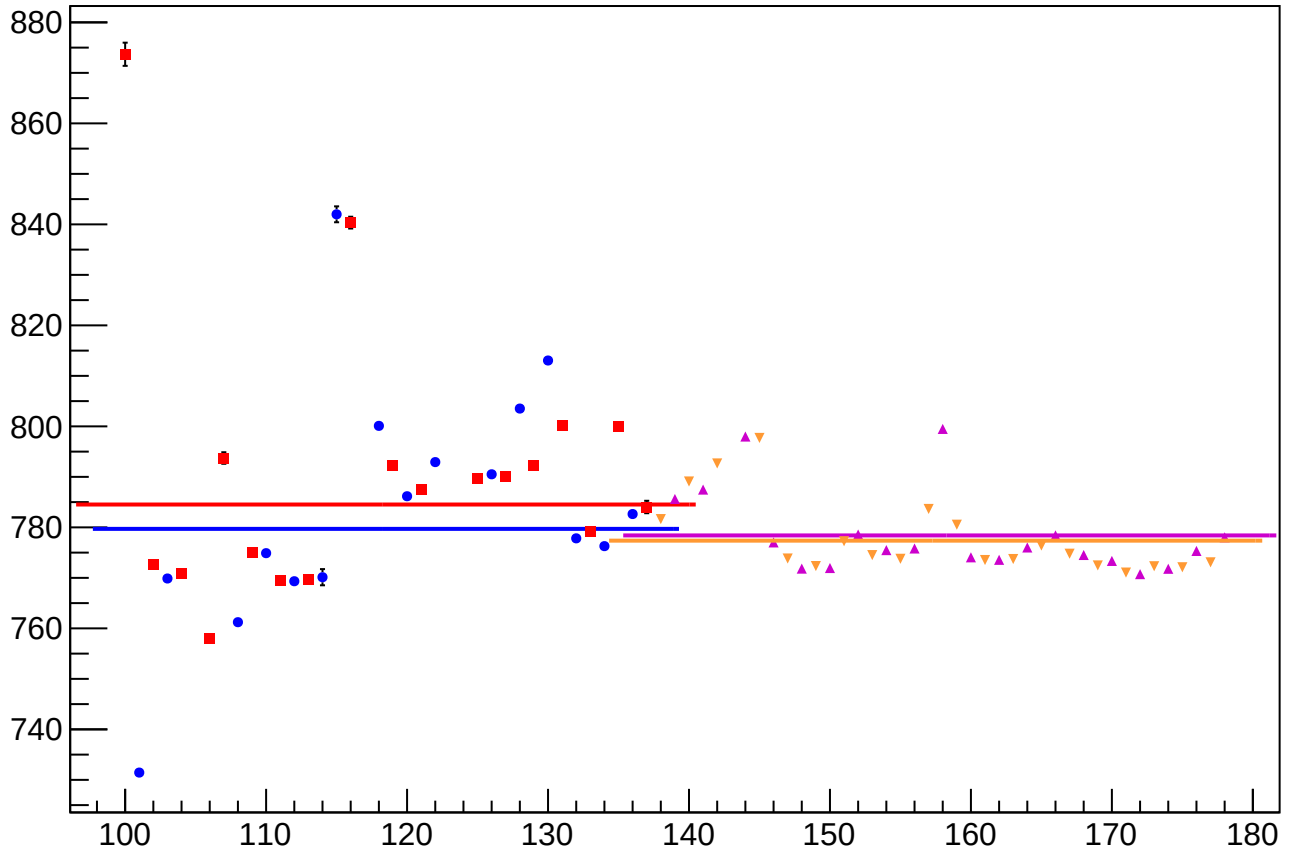
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1288.422+/-0.193 χ^2/NDF:2042217.9/35

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

All: 1300.368+/-0.138 χ^2/NDF: 3550758.5/73


overload_cor_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
180
Right In: 2304.852+/-289.704 χ²/NDF: 8.1/15
Left Out: 1824.724+/-195.170 χ²/NDF:12.1/19
Right Out: 2055.666+/-289.090 χ²/NDF: 12.9/17
Left In: 2067.264+/-192.543 χ²/NDF:25.4/19
Left: 1947.637+/-137.068 χ²/NDF: 38.4/39
Right: 2179.995+/-204.634 χ²/NDF: 21.3/33
In: 2140.057+/-160.357 χ²/NDF:34.0/35
Out: 1897.029+/-161.758 χ²/NDF:25.4/37
All: 2019.600+/-113.881 χ²/NDF: 60.6/73



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: 778.404+/-0.136 χ^2/NDF:3531.7/19

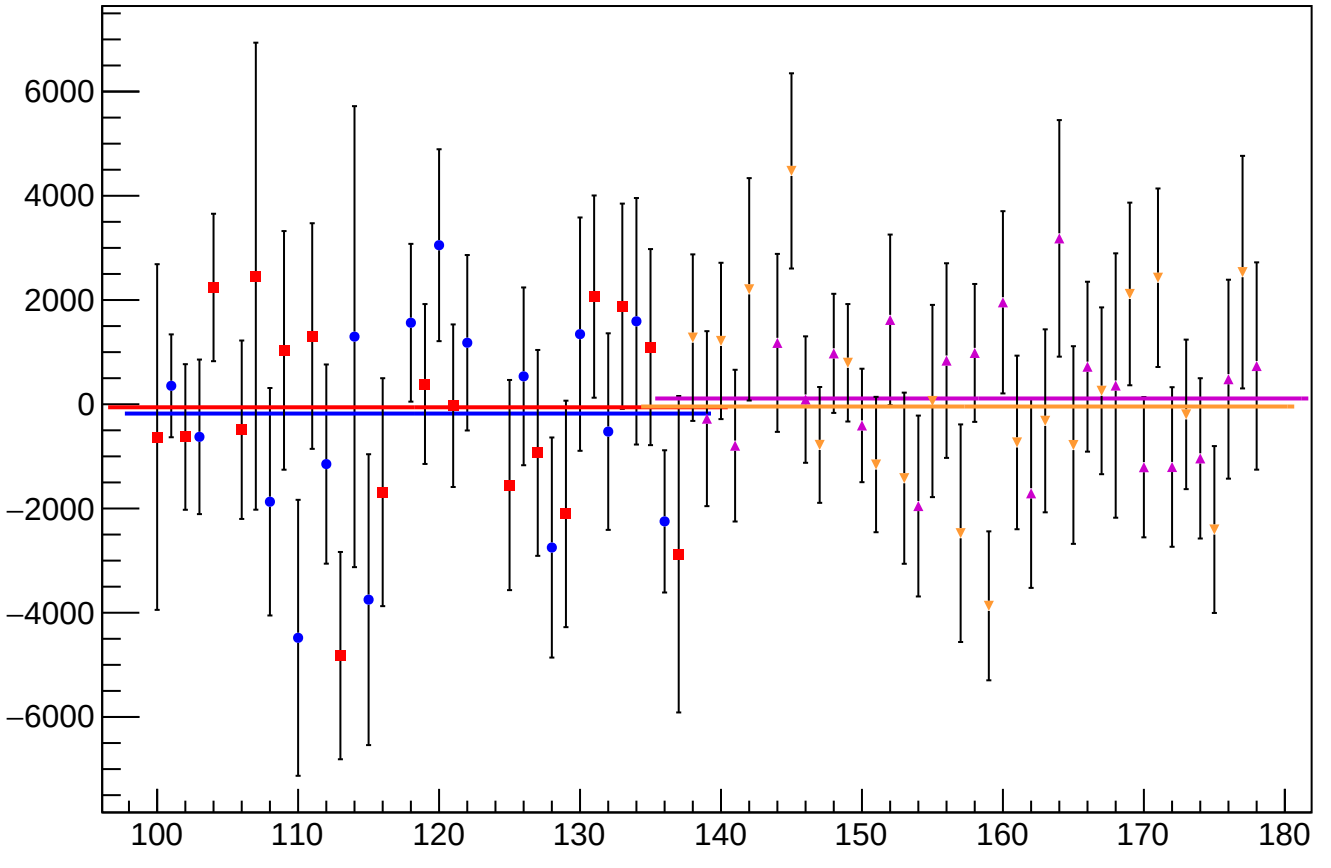
Left: 777.894+/-0.097 χ^2/NDF: 6129.6/39

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

In: 778.802+/-0.113 χ^2/NDF:15619.8/35

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

All: 779.202+/-0.081 χ^2/NDF: 26215.9/73



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: 110.799+/-346.938 χ^2/NDF:11.0/19

Left: 35.019+/-247.532 χ^2/NDF: 37.8/39

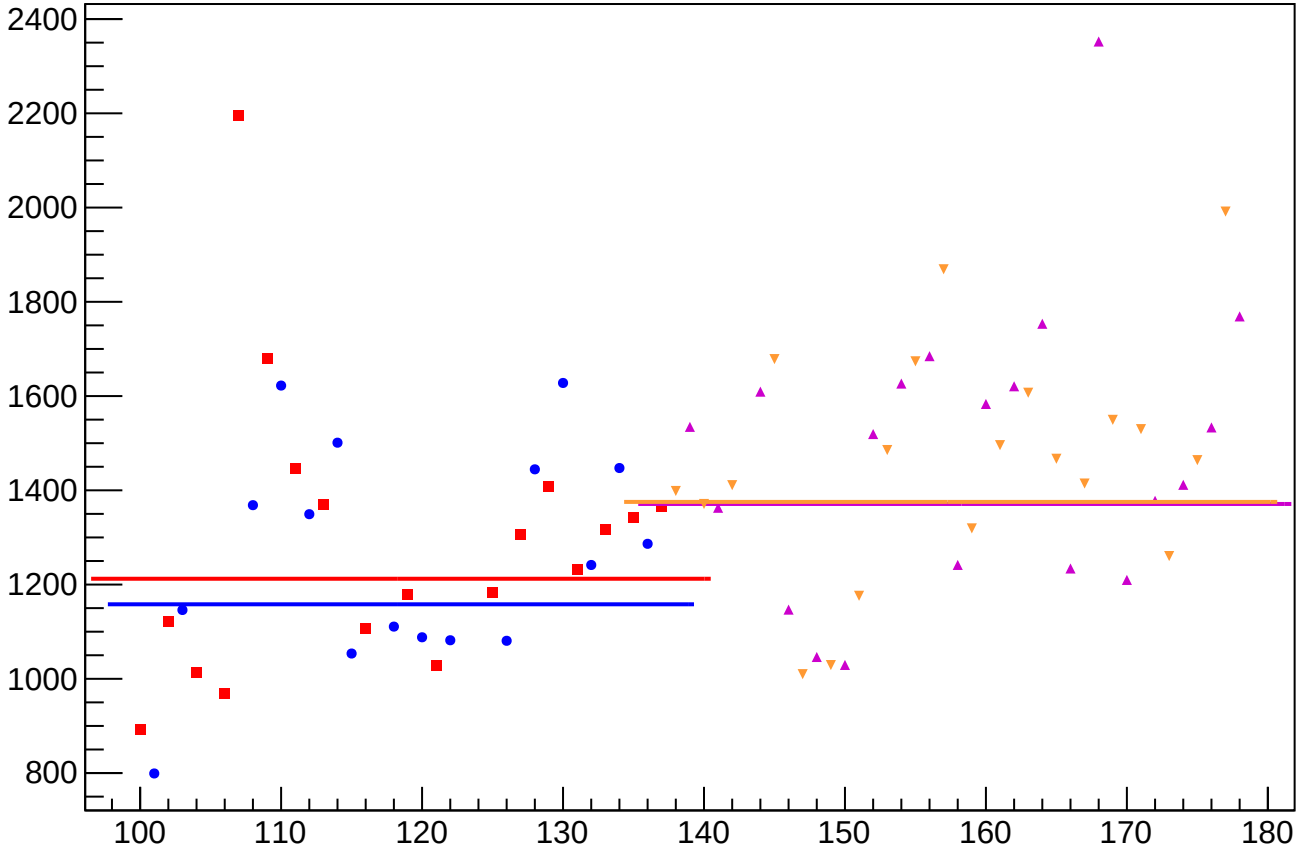
Right: -120.128+/-316.821 χ^2/NDF: 31.0/33

In: 0.284+/-272.724 χ^2/NDF:26.9/35

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

All: -23.789+/-195.057 χ^2/NDF: 69.0/73

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: 1371.028+/-0.245 χ^2/NDF:1182449.6/19

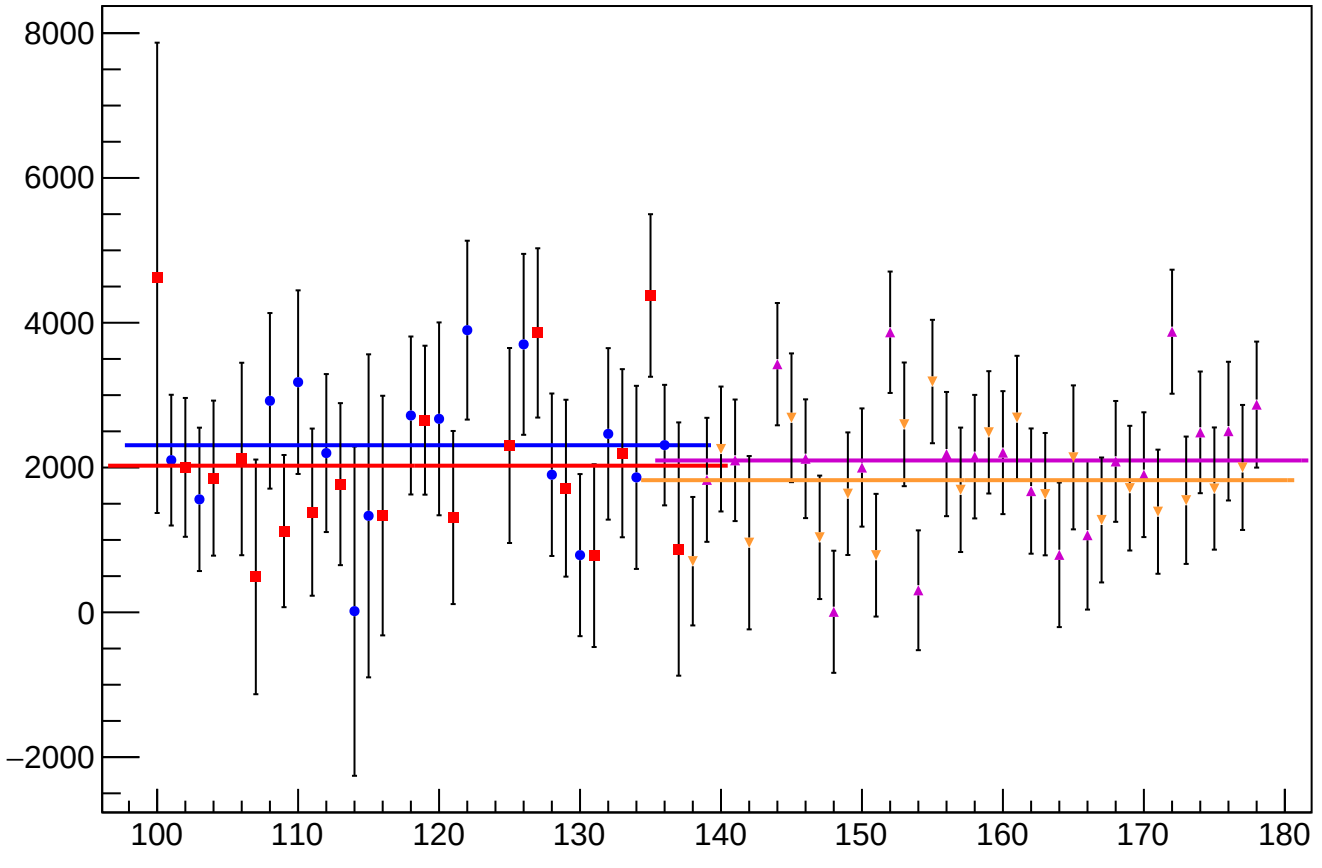
Left: 1373.178+/-0.175 χ^2/NDF: 2123097.2/39

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

In: 1289.688+/-0.193 χ^2/NDF:2039331.7/35

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

All: 1301.620+/-0.138 χ^2/NDF: 3545759.8/73



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: 2097.749+/-193.049 χ^2/NDF:26.4/19

Left: 1963.448+/-137.429 χ^2/NDF: 39.1/39

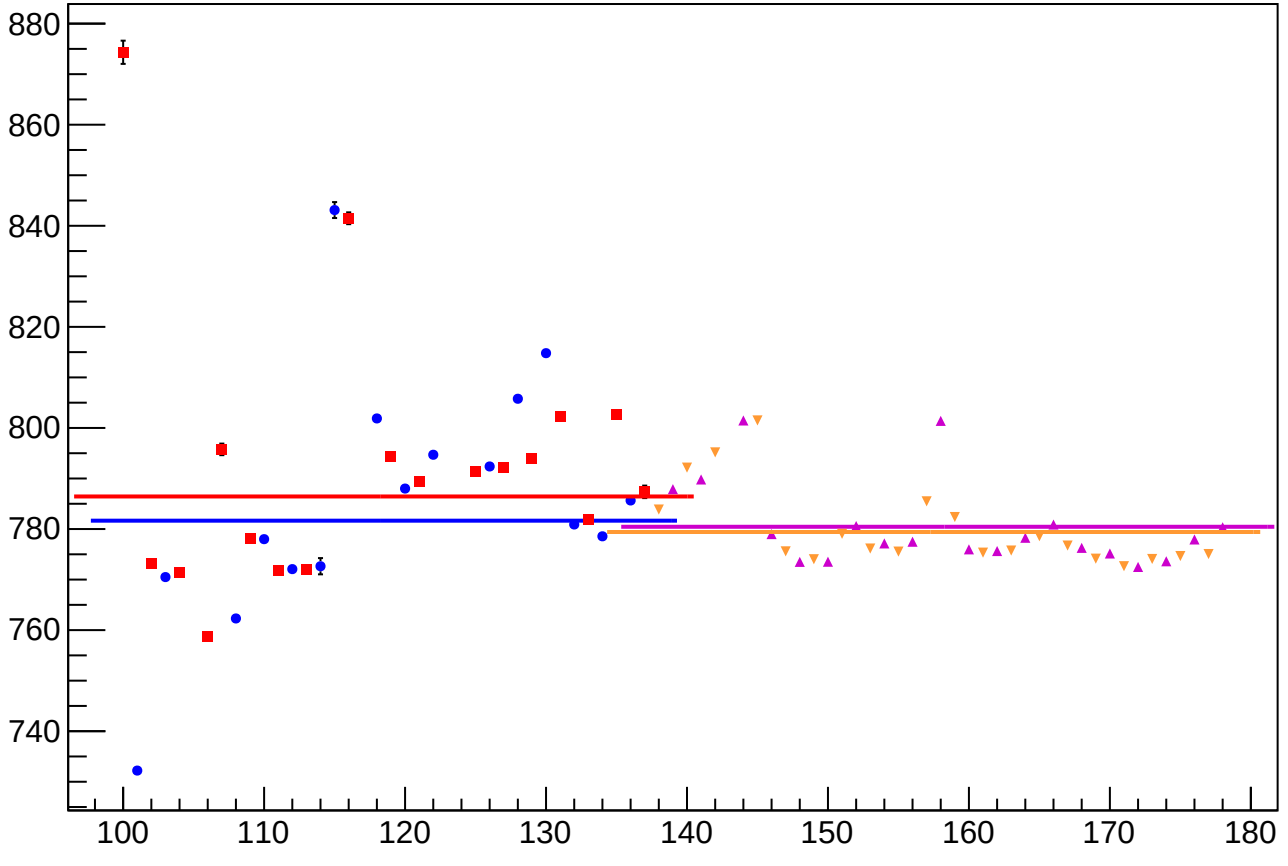
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2162.224+/-160.773 χ^2/NDF:34.6/35

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

All: 2026.373+/-114.176 χ^2/NDF: 60.0/73

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: 780.448+/-0.137 χ^2/NDF:3756.5/19

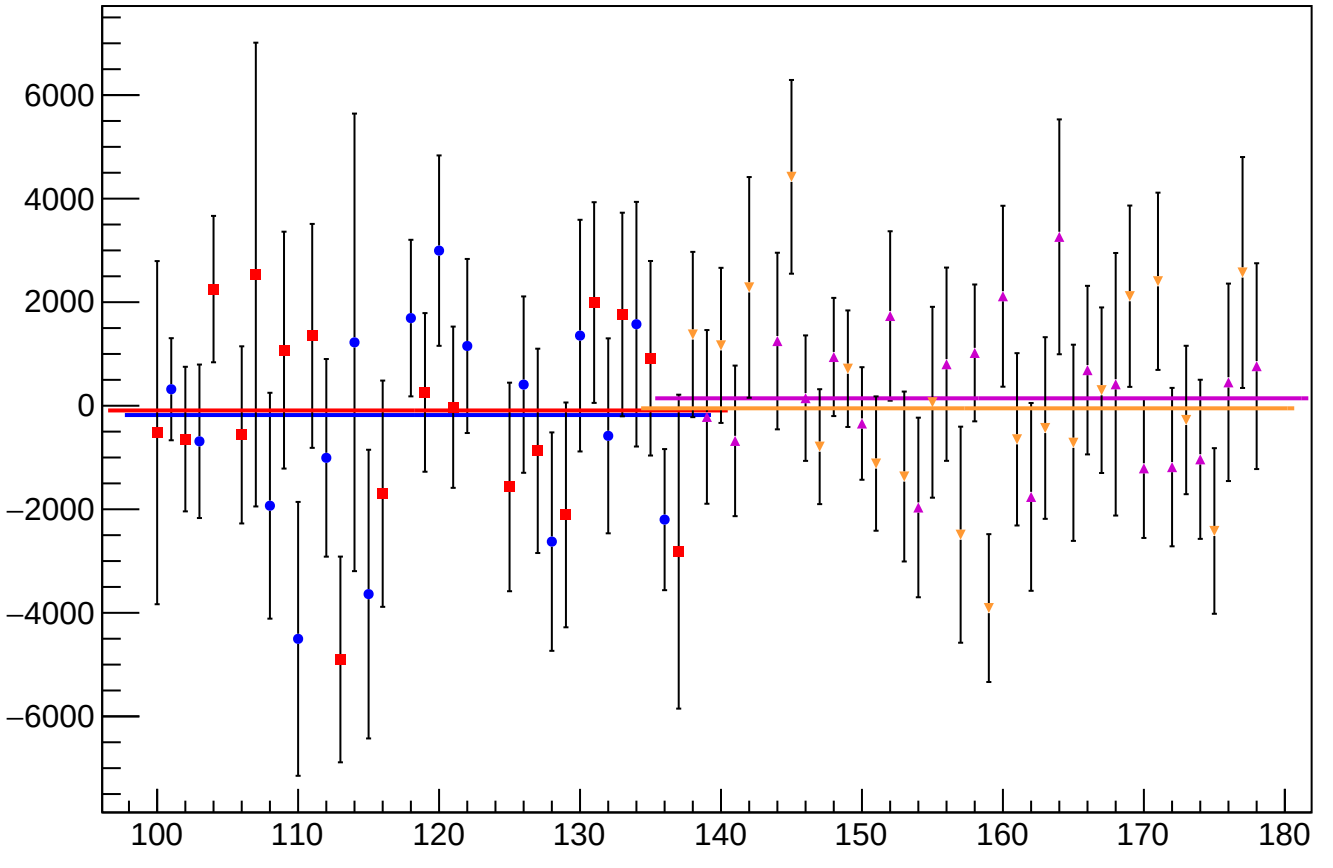
Left: 779.938+/-0.097 χ^2/NDF: 6659.0/39

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

In: 780.817+/-0.114 χ^2/NDF:16099.5/35

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

All: 781.213+/-0.081 χ^2/NDF: 27007.9/73



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: 143.420+/-346.628 χ^2/NDF:11.3/19

Left: 48.470+/-247.309 χ^2/NDF: 38.3/39

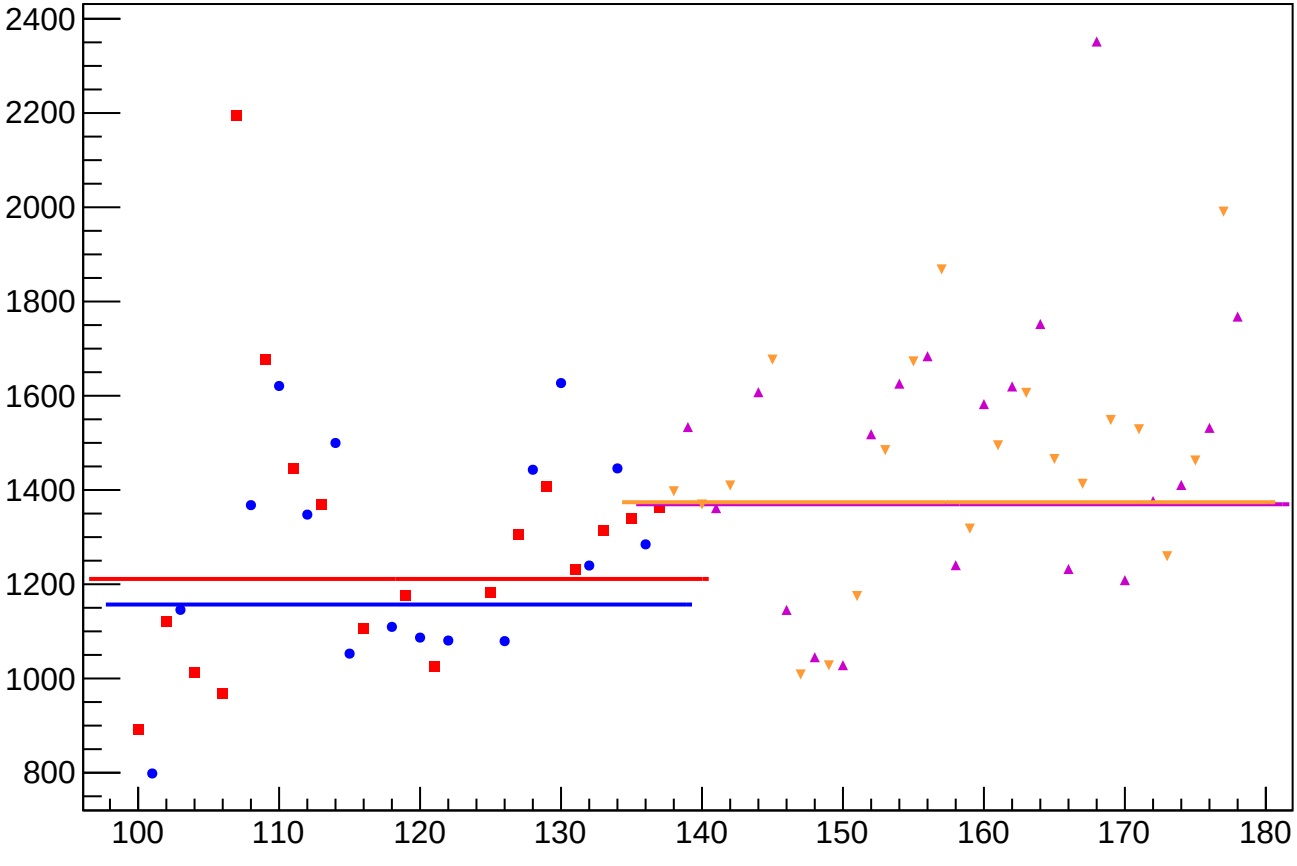
Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: 19.861+/-272.467 χ^2/NDF:27.1/35

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

All: -21.835+/-194.877 χ^2/NDF: 69.1/73

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: 1369.731+/-0.245 χ^2/NDF:1185106.5/19

Left: 1371.865+/-0.175 χ^2/NDF: 2128253.8/39

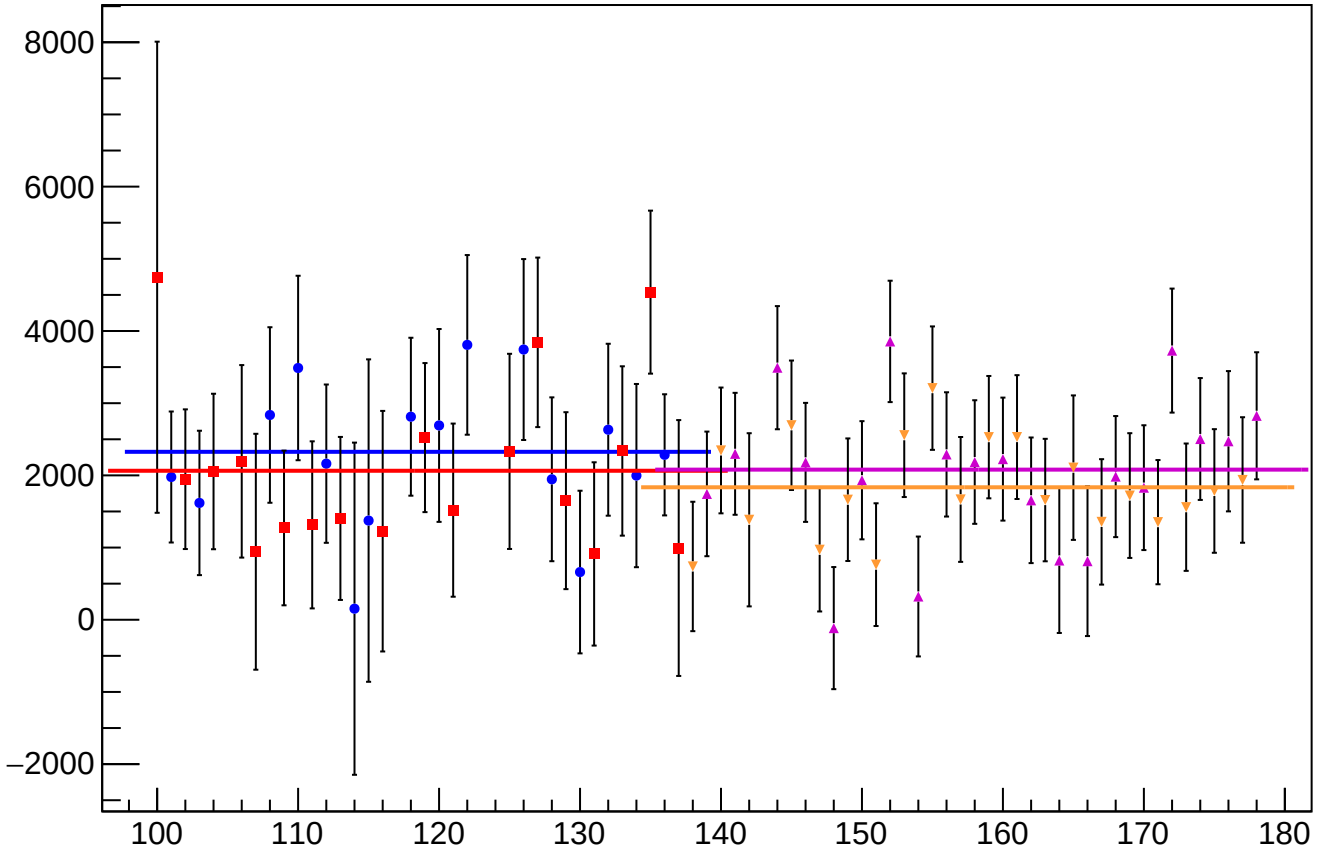
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1288.422+/-0.193 χ^2/NDF:2042217.9/35

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

All: 1300.368+/-0.138 χ^2/NDF: 3550758.5/73

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: 2079.622+/-194.085 χ^2/NDF:27.0/19

Left: 1959.031+/-138.167 χ^2/NDF: 38.9/39

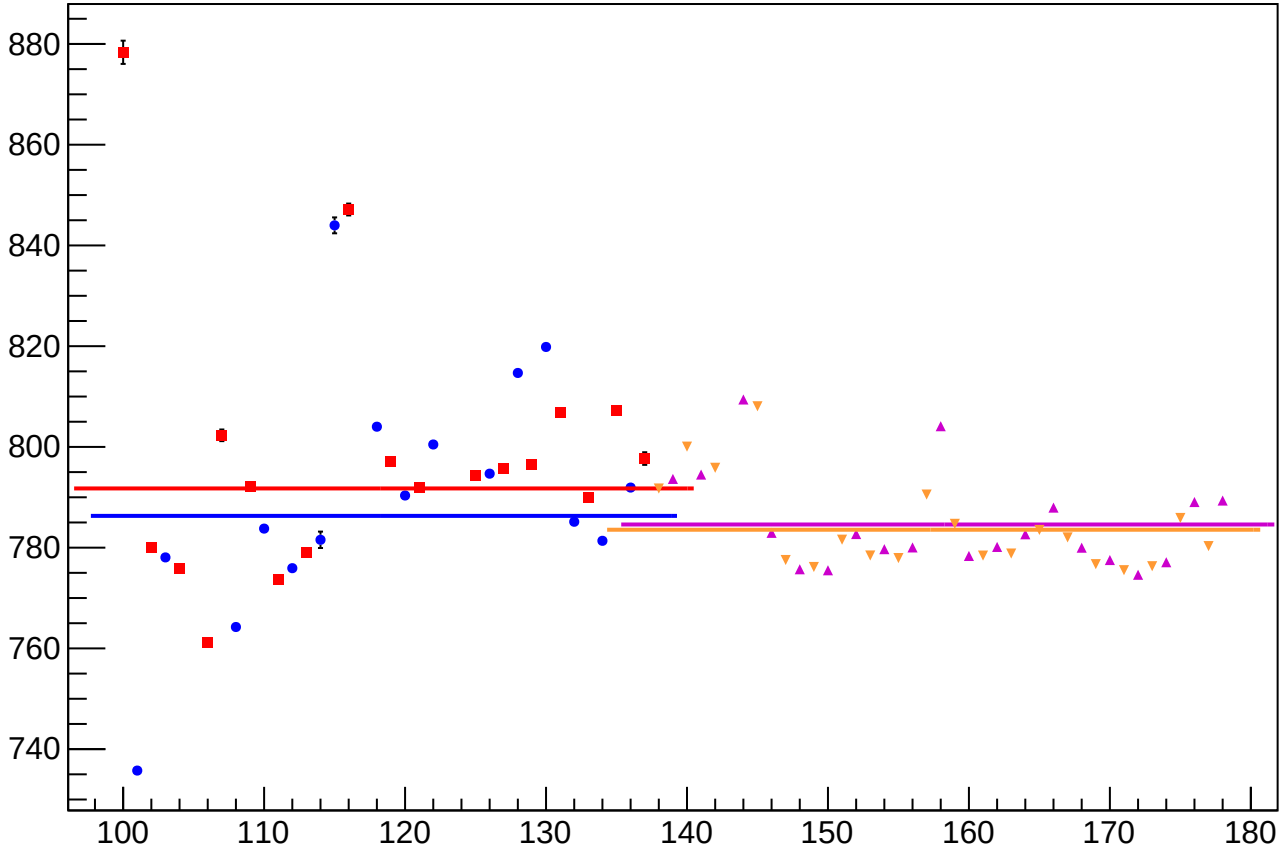
Right: 2195.030+/-206.463 χ^2/NDF: 20.2/33

In: 2155.186+/-161.667 χ^2/NDF:35.7/35

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

All: 2032.030+/-114.827 χ^2/NDF: 60.0/73

dit_asym_us_avg_rms vs Slug, Sign Corrected



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: 784.599+/-0.137 χ^2/NDF:4748.1/19

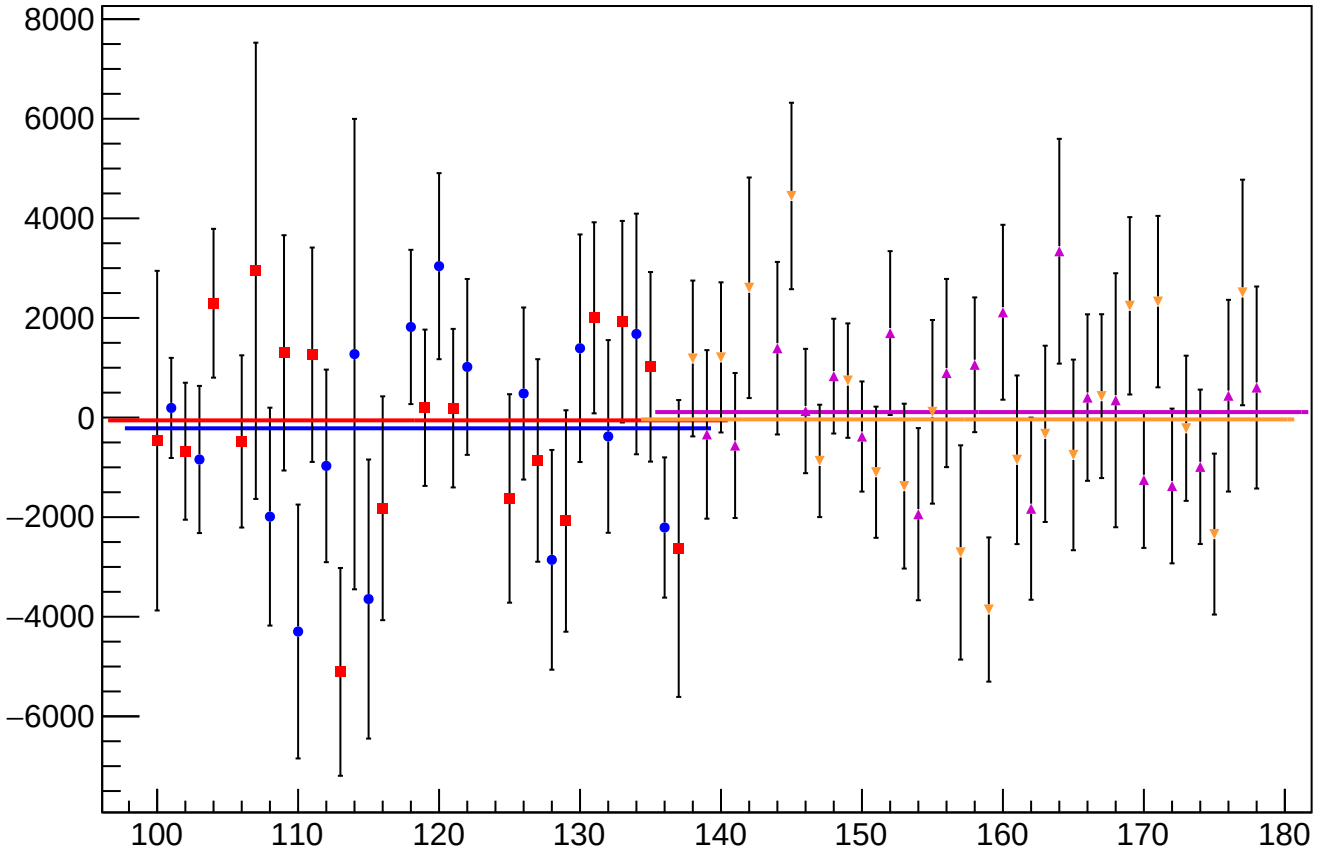
Left: 784.086+/-0.098 χ^2/NDF: 8535.6/39

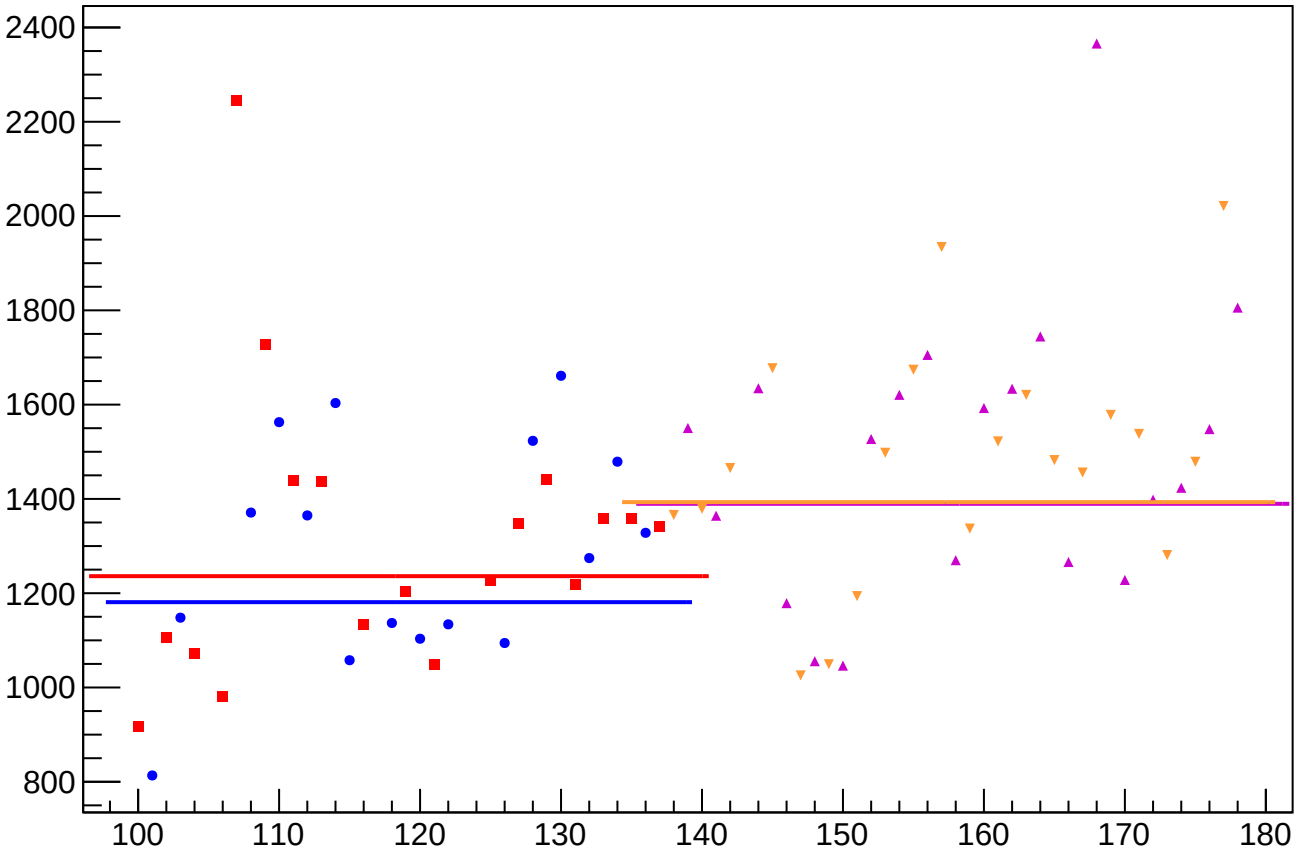
Right: 789.036+/-0.146 χ^2/NDF: 19934.2/33

In: 785.123+/-0.114 χ^2/NDF:17366.8/35

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

All: 785.617+/-0.081 χ^2/NDF: 29264.0/73


asym_us_avg_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
180
Right In: -216.184+/-449.537 χ²/NDF: 15.3/15
Left Out: -37.358+/-357.573 χ²/NDF:26.6/19
Right Out: -56.784+/-463.978 χ²/NDF: 15.1/17
Left In: 109.799+/-351.220 χ²/NDF:11.4/19
Left: 37.539+/-250.566 χ²/NDF: 38.1/39
Right: -139.003+/-322.855 χ²/NDF: 30.5/33
In: -13.763+/-276.764 χ²/NDF:27.0/35
Out: -44.597+/-283.224 χ²/NDF:41.7/37
All: -28.824+/-197.946 χ²/NDF: 68.8/73



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: 1389.615+/-0.248 χ^2/NDF:1139992.3/19

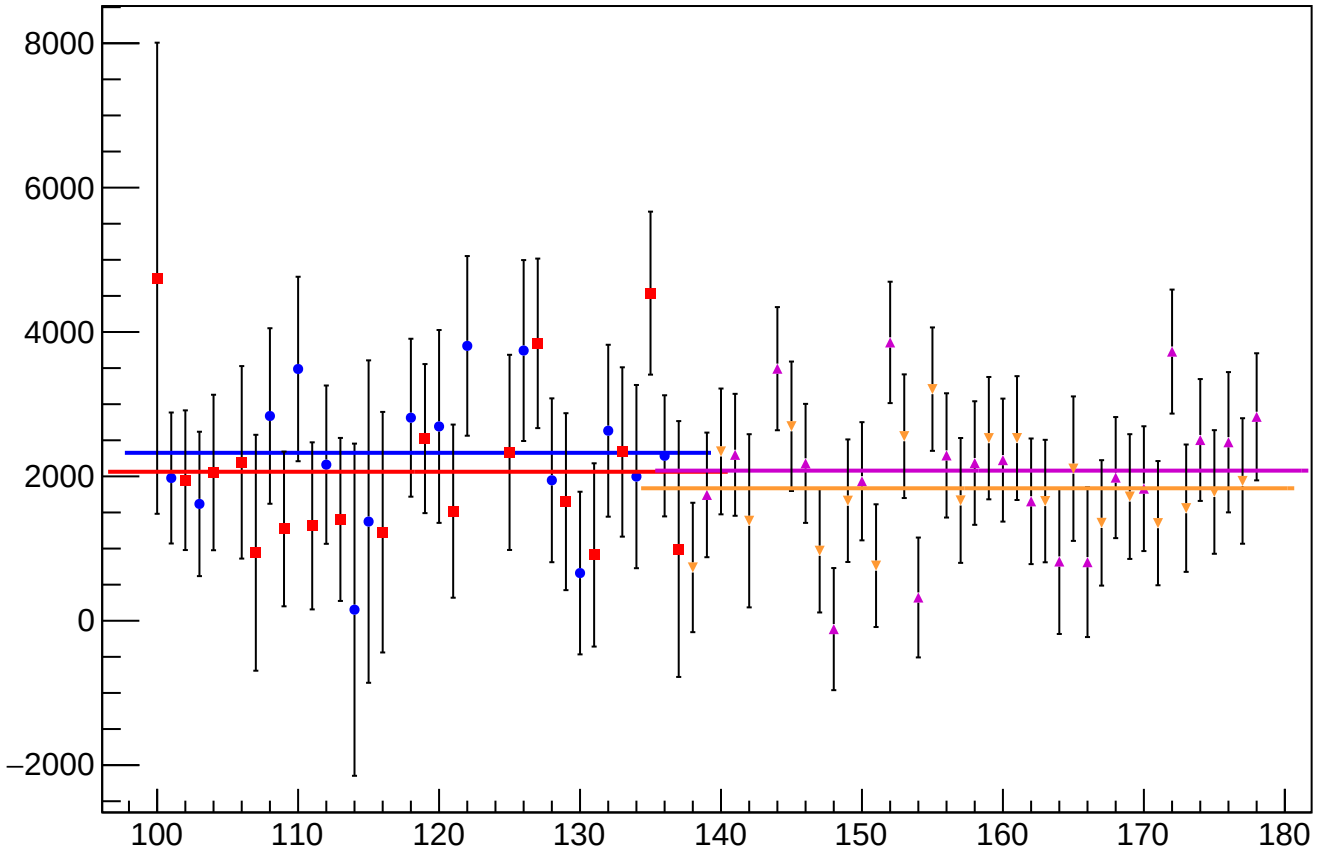
Left: 1391.367+/-0.177 χ^2/NDF: 2069036.5/39

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

In: 1310.540+/-0.196 χ^2/NDF:1978560.8/35

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

All: 1322.324+/-0.140 χ^2/NDF: 3455928.3/73



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: 2079.623+/-194.085 χ^2/NDF:27.0/19

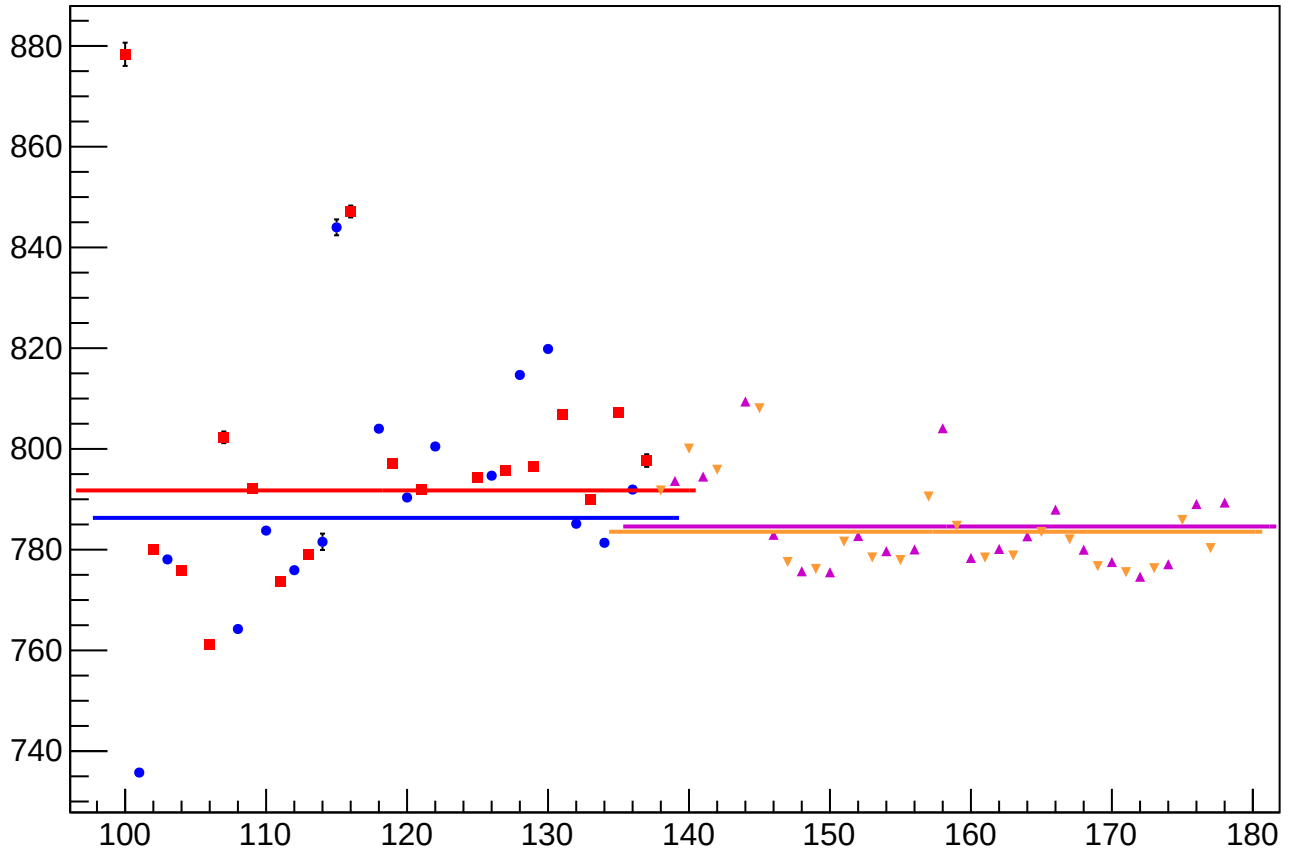
Left: 1959.031+/-138.167 χ^2/NDF: 38.9/39

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

In: 2155.186+/-161.667 χ^2/NDF:35.7/35

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

All: 2032.029+/-114.827 χ^2/NDF: 60.0/73



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: 784.599+/-0.137 χ^2/NDF:4748.1/19

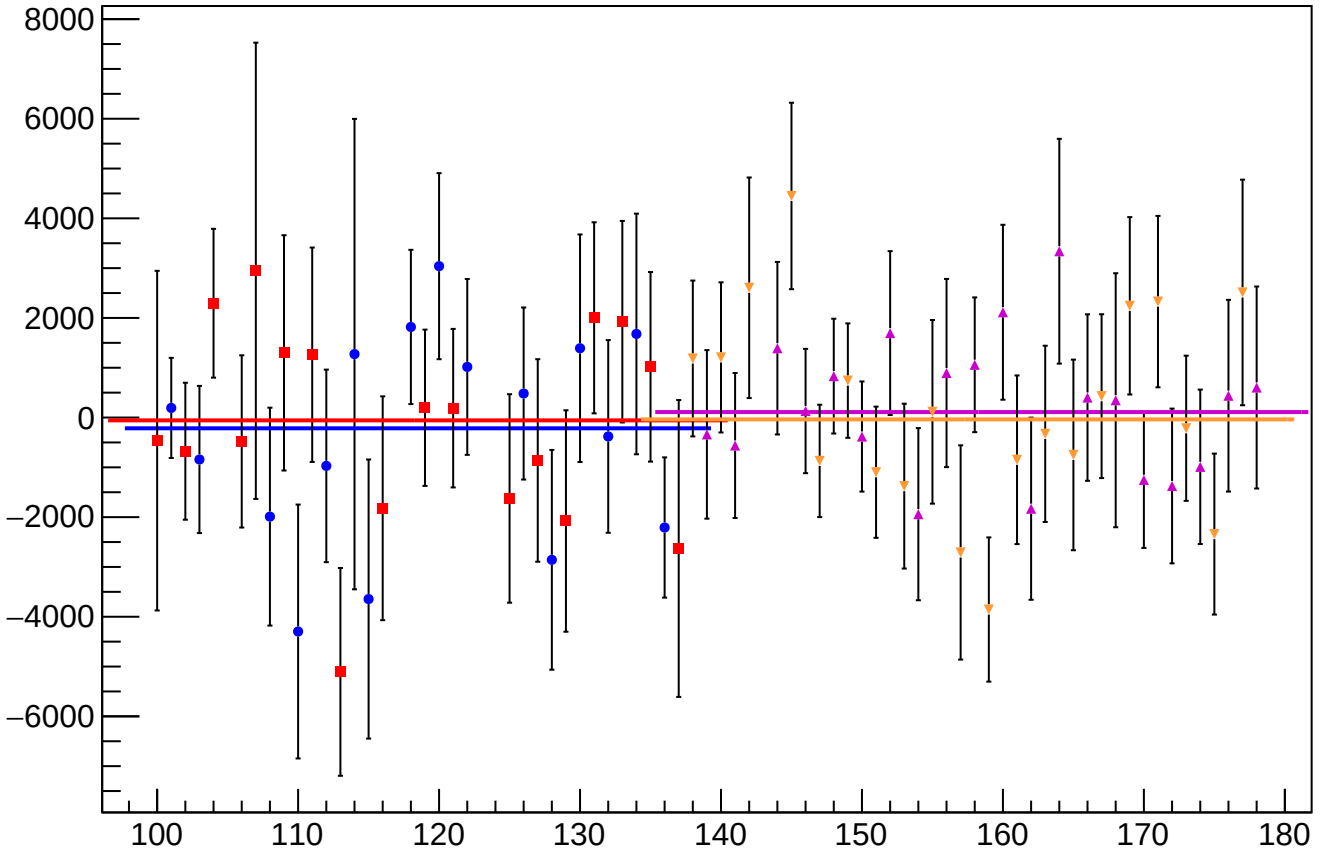
Left: 784.086+/-0.098 χ^2/NDF: 8535.6/39

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

In: 785.123+/-0.114 χ^2/NDF:17366.7/35

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

All: 785.617+/-0.081 χ^2/NDF: 29263.9/73



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: 109.800+/-351.221 χ^2/NDF:11.4/19

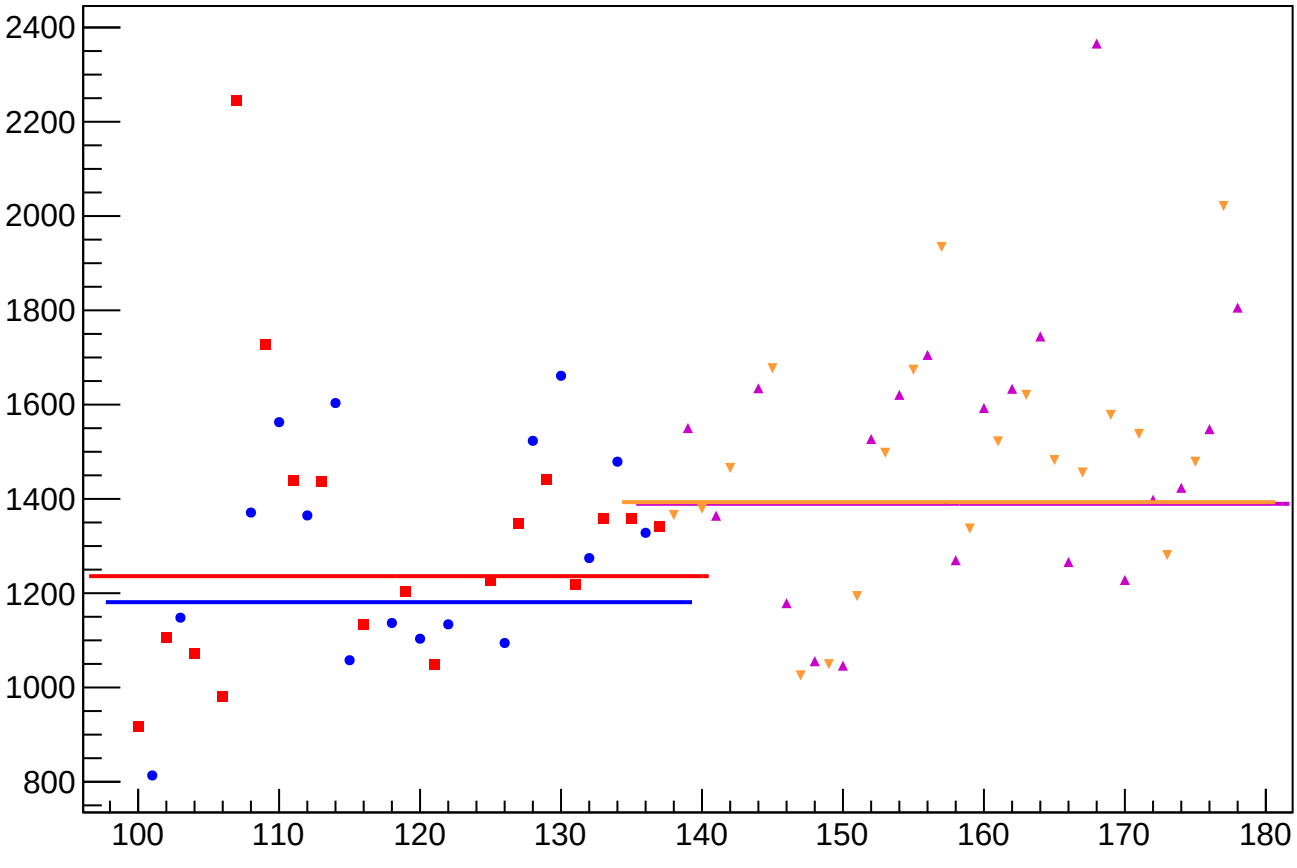
Left: 37.538+/-250.567 χ^2/NDF: 38.1/39

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

In: -13.762+/-276.764 χ^2/NDF:27.0/35

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

All: -28.825+/-197.946 χ^2/NDF: 68.8/73



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: 1389.618+/-0.248 χ^2/NDF:1139992.8/19

Left: 1391.370+/-0.177 χ^2/NDF: 2069038.4/39

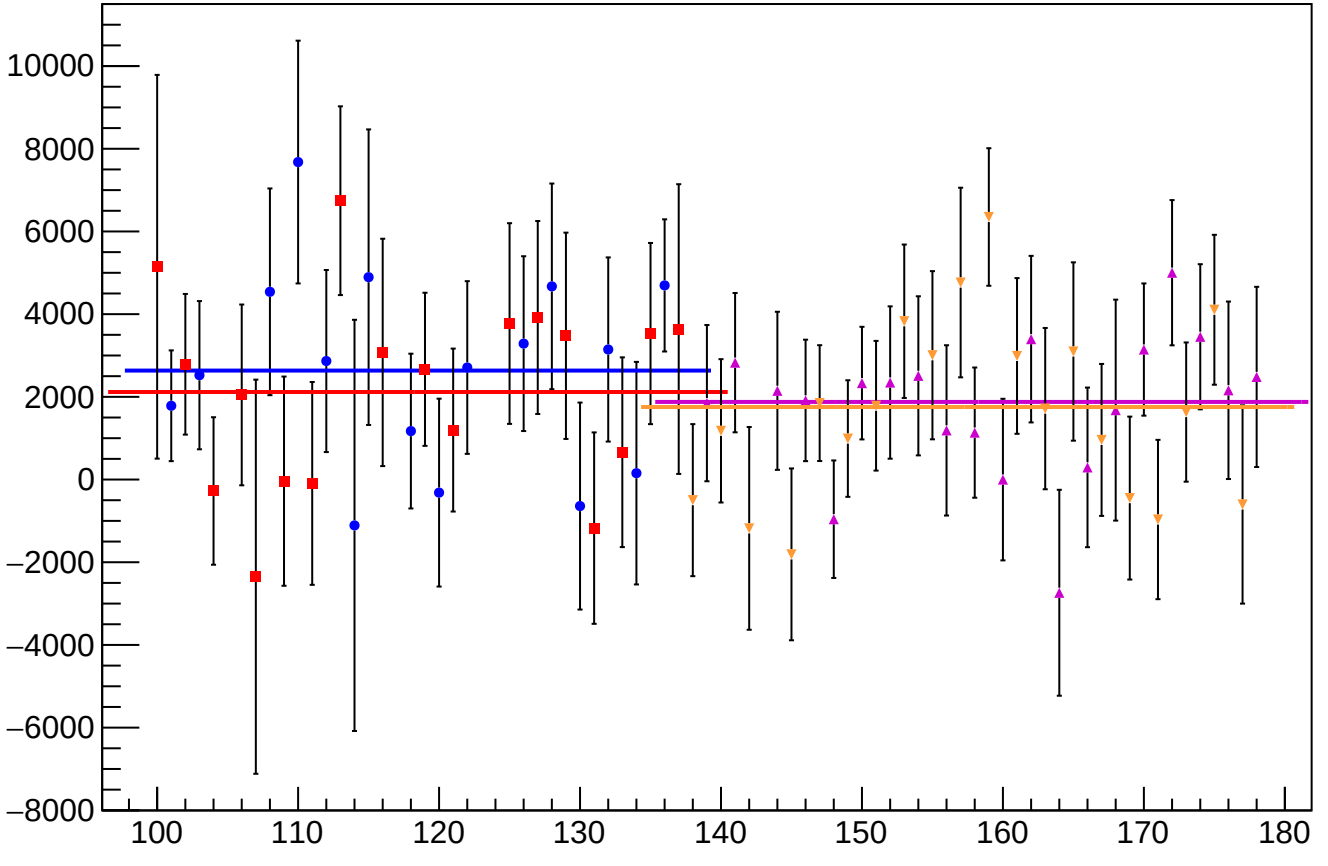
Right: 1207.692+/-0.228 χ^2/NDF: 982914.1/33

In: 1310.540+/-0.196 χ^2/NDF:1978574.1/35

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

All: 1322.324+/-0.140 χ^2/NDF: 3455952.5/73

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: 1877.120+/-403.104 χ^2/NDF:15.2/19

Left: 1816.484+/-287.507 χ^2/NDF: 39.5/39

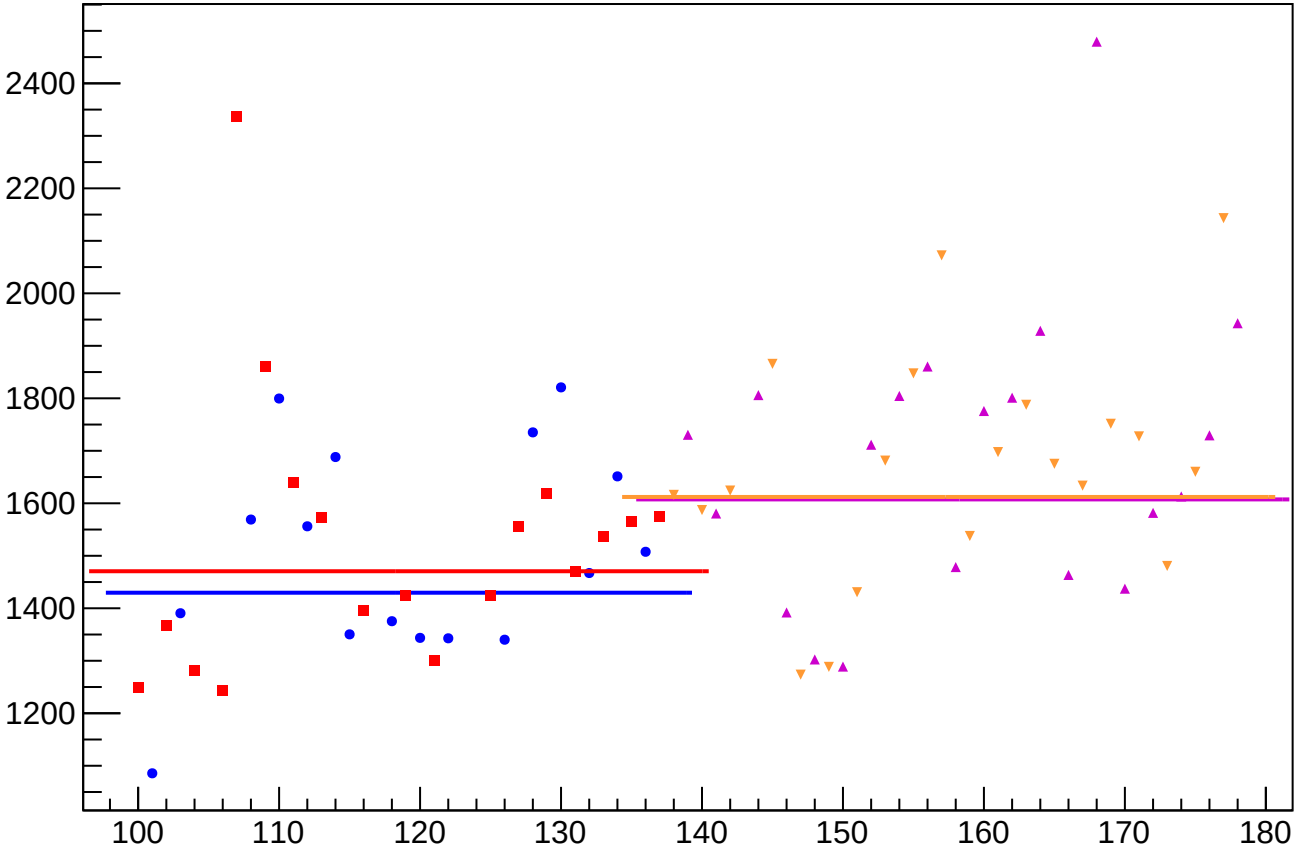
Right: 2380.790+/-383.745 χ^2/NDF: 26.4/33

In: 2149.735+/-322.605 χ^2/NDF:28.8/35

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

All: 2019.362+/-230.092 χ^2/NDF: 67.3/73

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: 1607.394+/-0.285 χ^2/NDF:713829.1/19

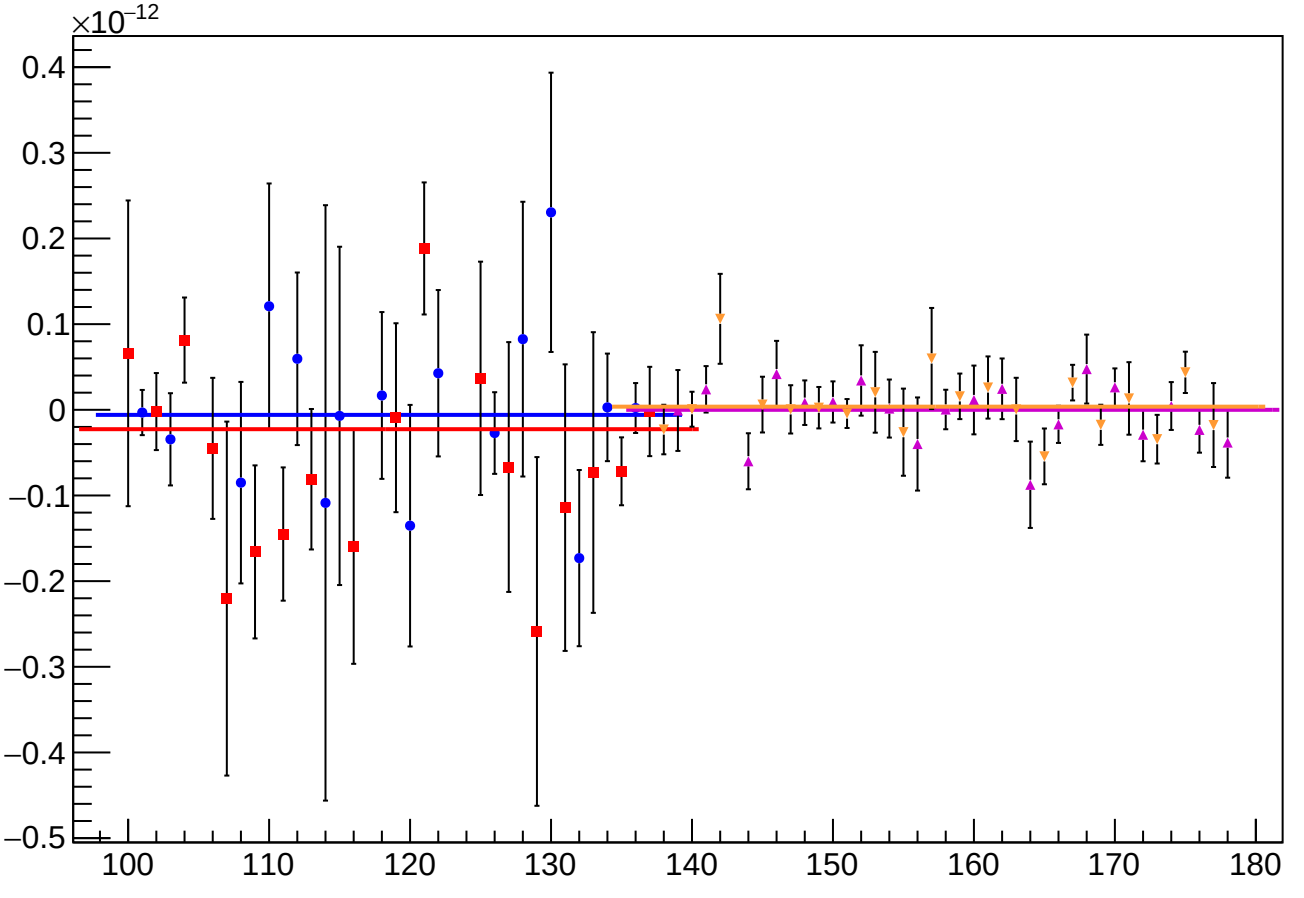
Left: 1609.690+/-0.203 χ^2/NDF: 1258560.1/39

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

In: 1543.493+/-0.228 χ^2/NDF:1147010.9/35

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

All: 1552.190+/-0.163 χ^2/NDF: 1998205.8/73



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:16.4/19

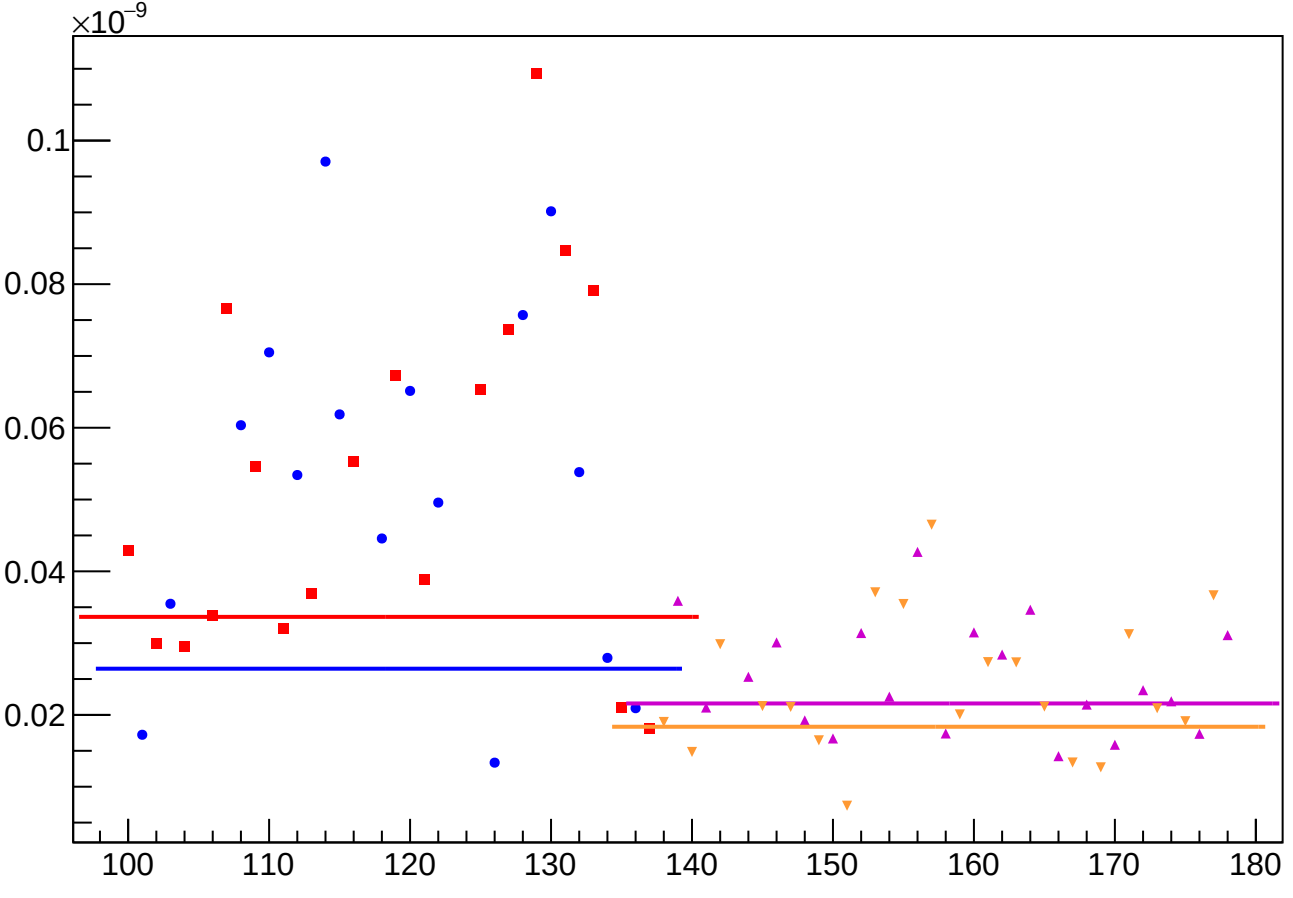
Left: 0.000+/-0.000 χ^2/NDF: 34.0/39

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

In: -0.000+/-0.000 χ^2/NDF:25.0/35

Out: 0.000+/-0.000 χ^2/NDF:42.4/37

All: -0.000+/-0.000 χ^2/NDF: 67.5/73



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:1749046.0/19

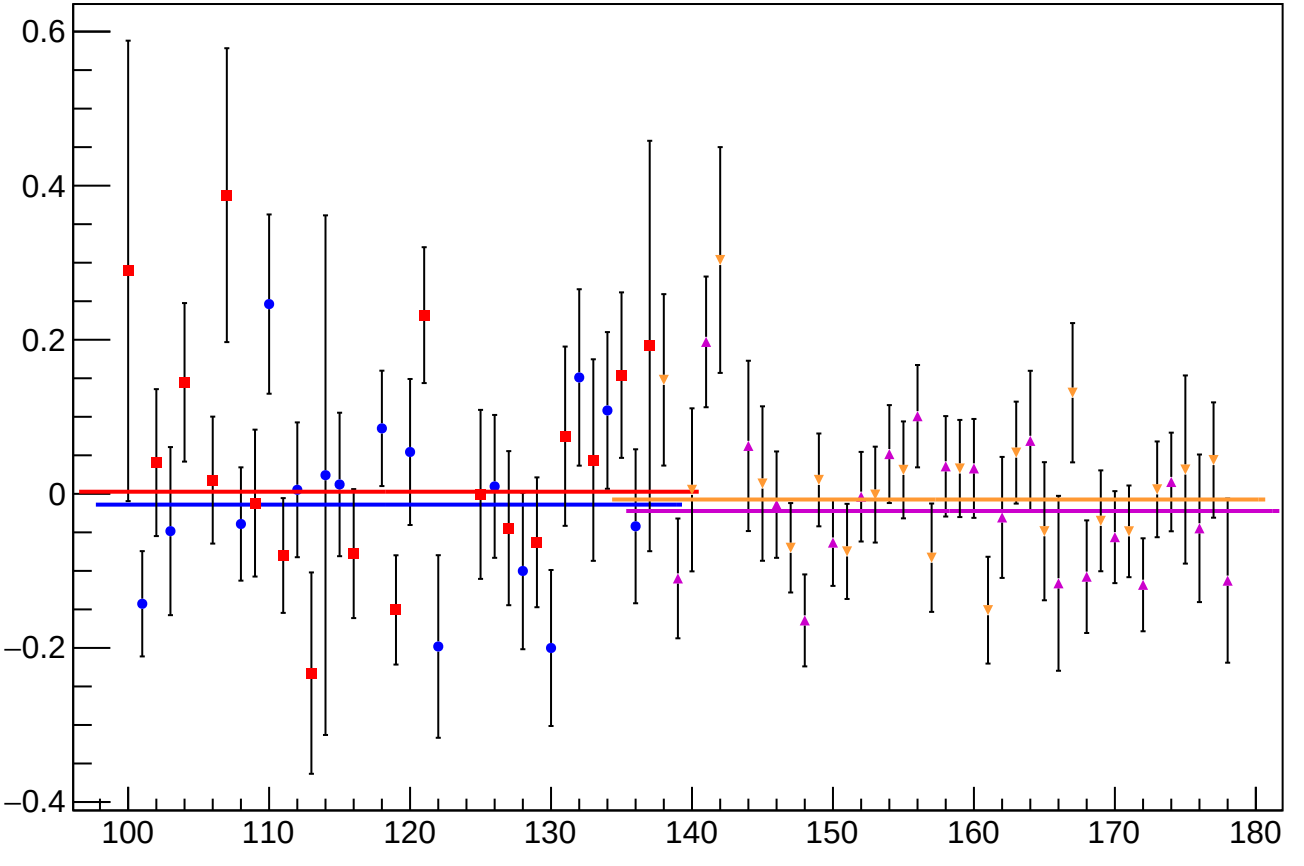
Left: 0.000+/-0.000 χ^2/NDF: 5014771.3/39

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

In: 0.000+/-0.000 χ^2/NDF:4056481.3/35

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

All: 0.000+/-0.000 χ^2/NDF: 10204569.9/73



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: -0.022+/-0.016 χ^2/NDF:28.2/19

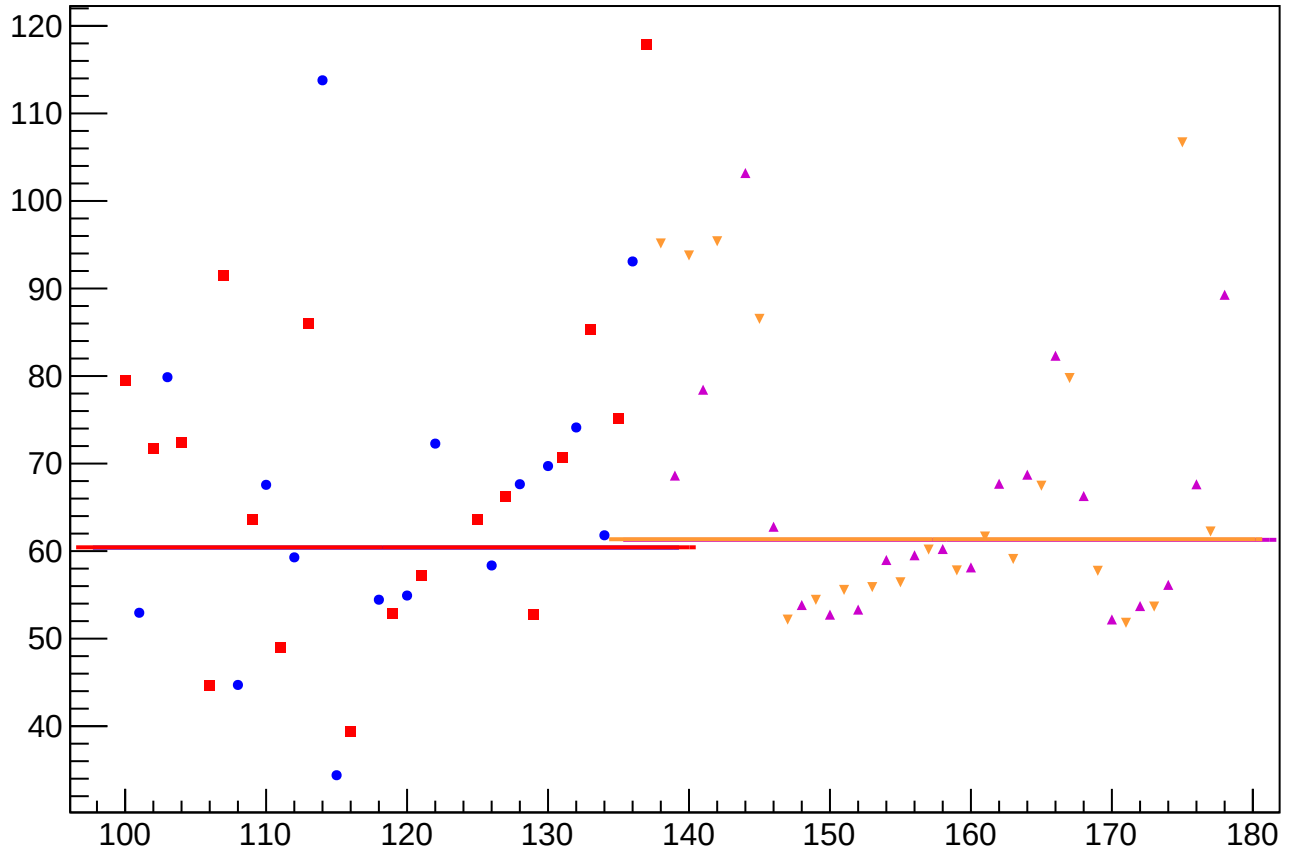
Left: -0.015+/-0.011 χ^2/NDF: 48.6/39

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

In: -0.020+/-0.013 χ^2/NDF:49.6/35

Out: -0.004+/-0.013 χ^2/NDF:47.8/37

All: -0.012+/-0.009 χ^2/NDF: 98.2/73



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: 61.288+/-0.011 χ^2/NDF:854837.7/19

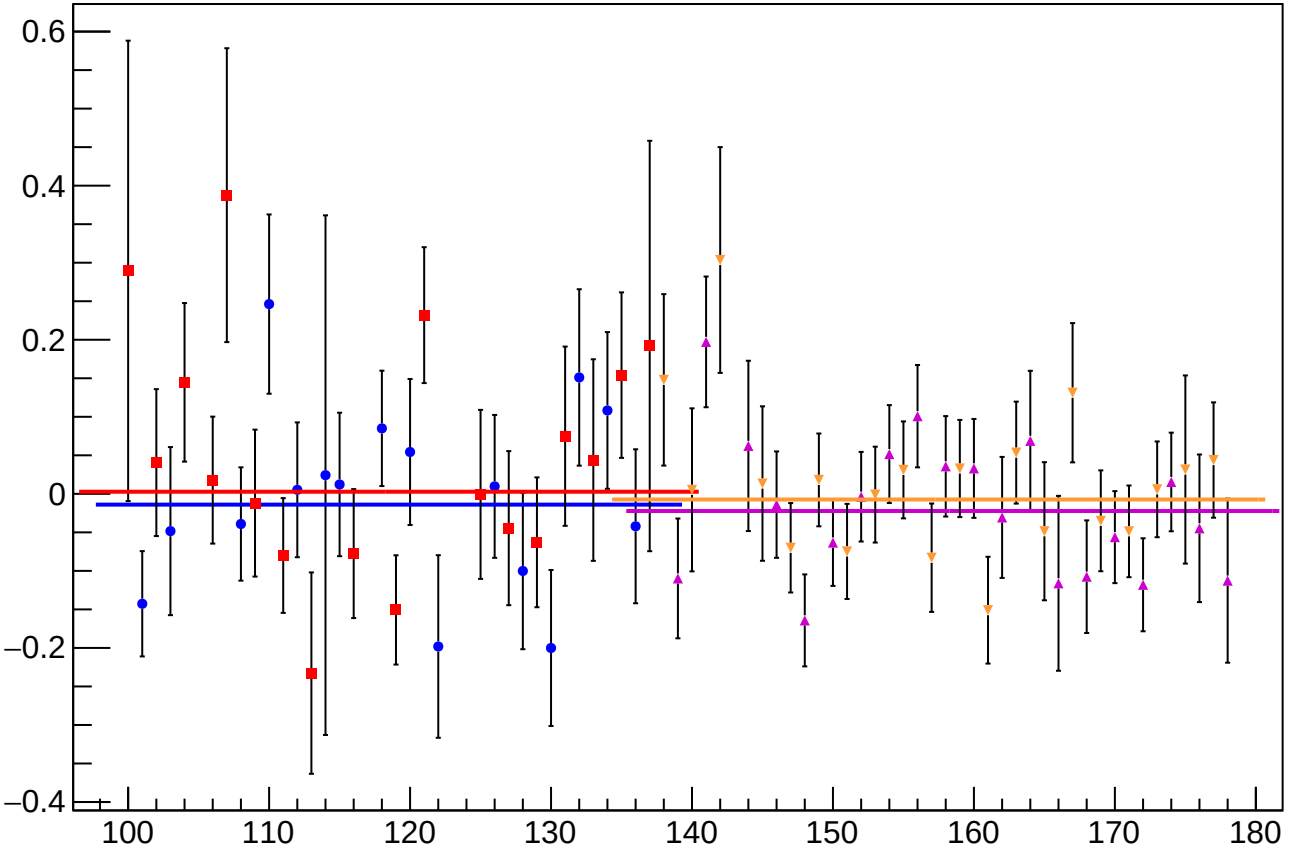
Left: 61.321+/-0.008 χ^2/NDF: 2048761.6/39

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

In: 61.016+/-0.009 χ^2/NDF:1559920.1/35

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

All: 61.040+/-0.007 χ^2/NDF: 3466986.4/73



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: -0.022+/-0.016 χ^2/NDF:28.2/19

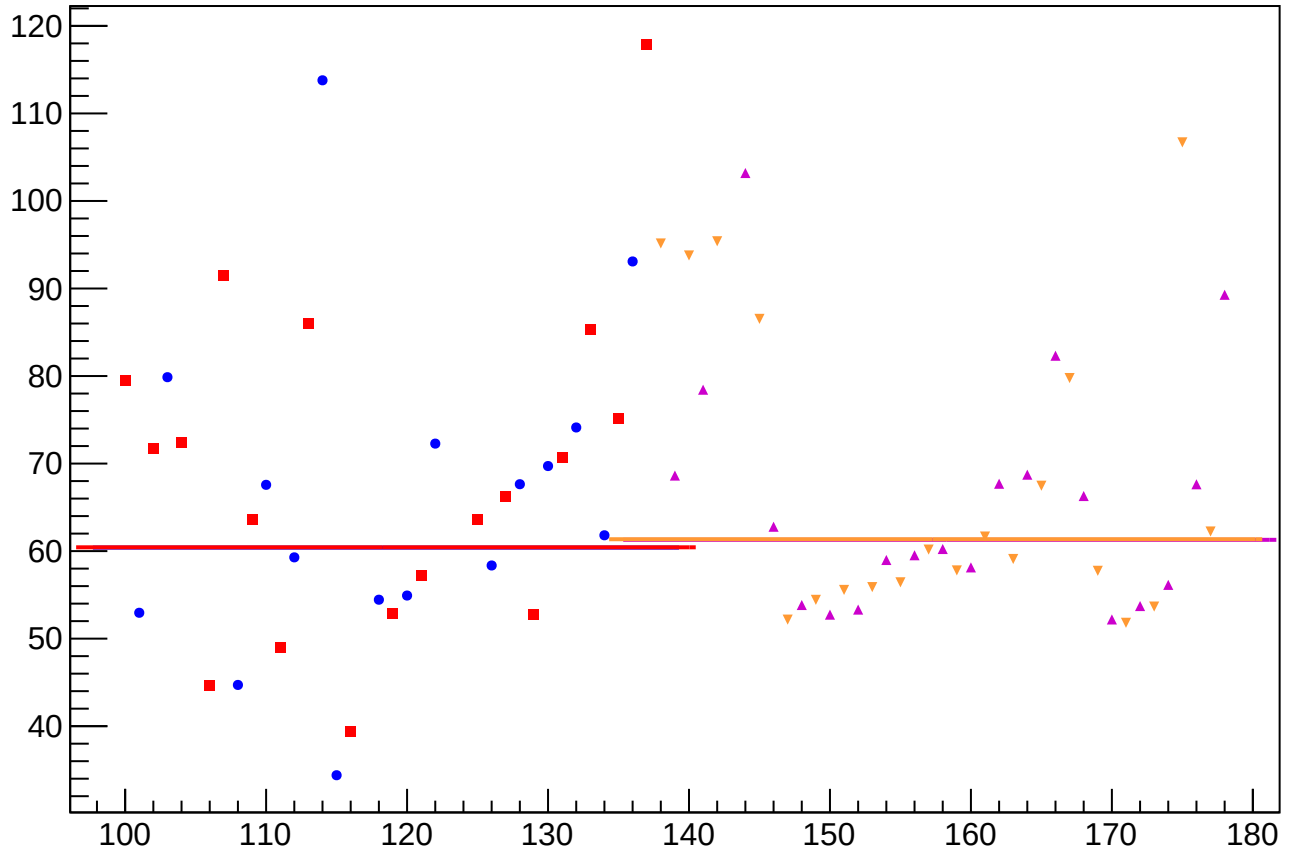
Left: -0.015+/-0.011 χ^2/NDF: 48.6/39

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

In: -0.020+/-0.013 χ^2/NDF:49.6/35

Out: -0.004+/-0.013 χ^2/NDF:47.8/37

All: -0.012+/-0.009 χ^2/NDF: 98.2/73



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: 61.288+/-0.011 χ^2/NDF:854837.7/19

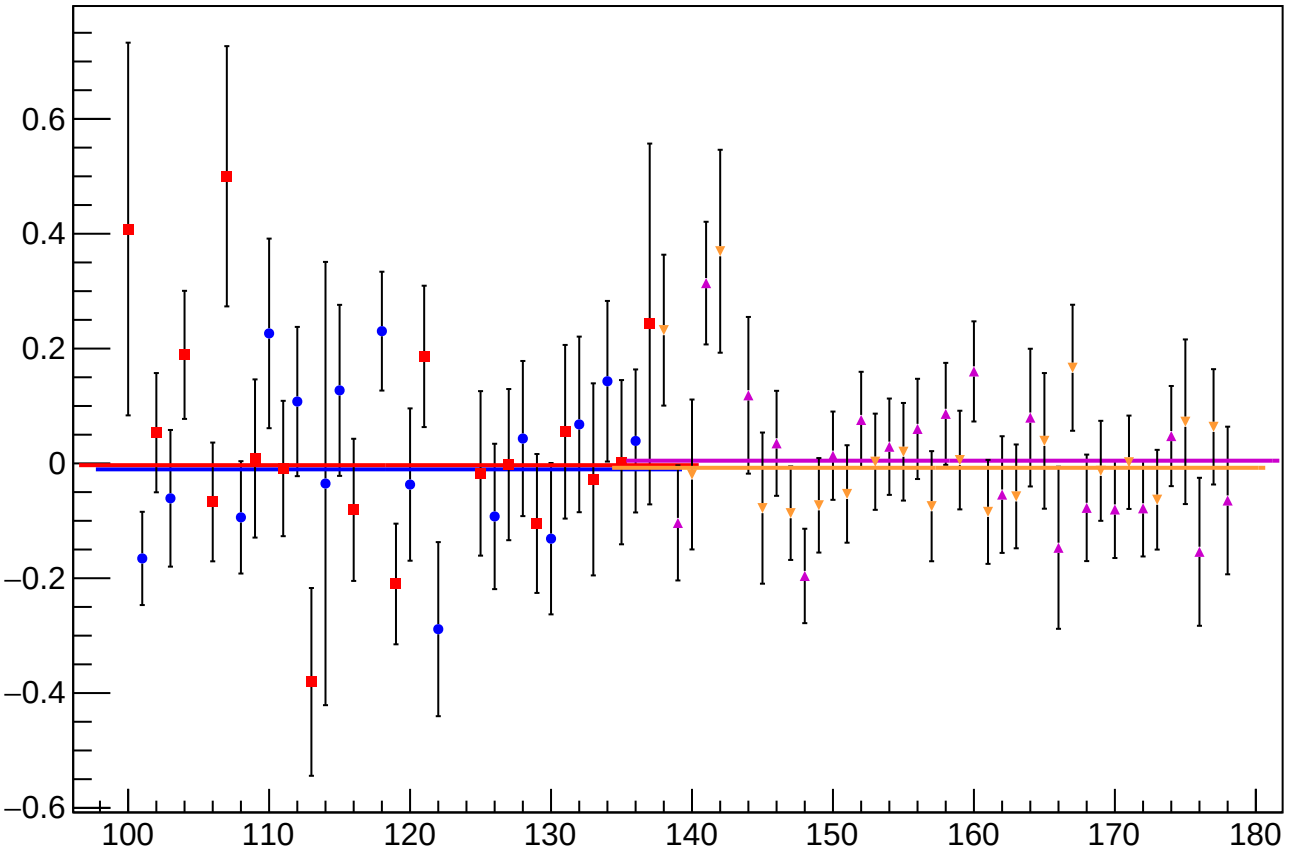
Left: 61.321+/-0.008 χ^2/NDF: 2048761.6/39

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

In: 61.016+/-0.009 χ^2/NDF:1559920.1/35

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

All: 61.040+/-0.007 χ^2/NDF: 3466986.4/73



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: 0.005+/-0.021 χ^2/NDF:28.3/19

Left: -0.001+/-0.015 χ^2/NDF: 44.0/39

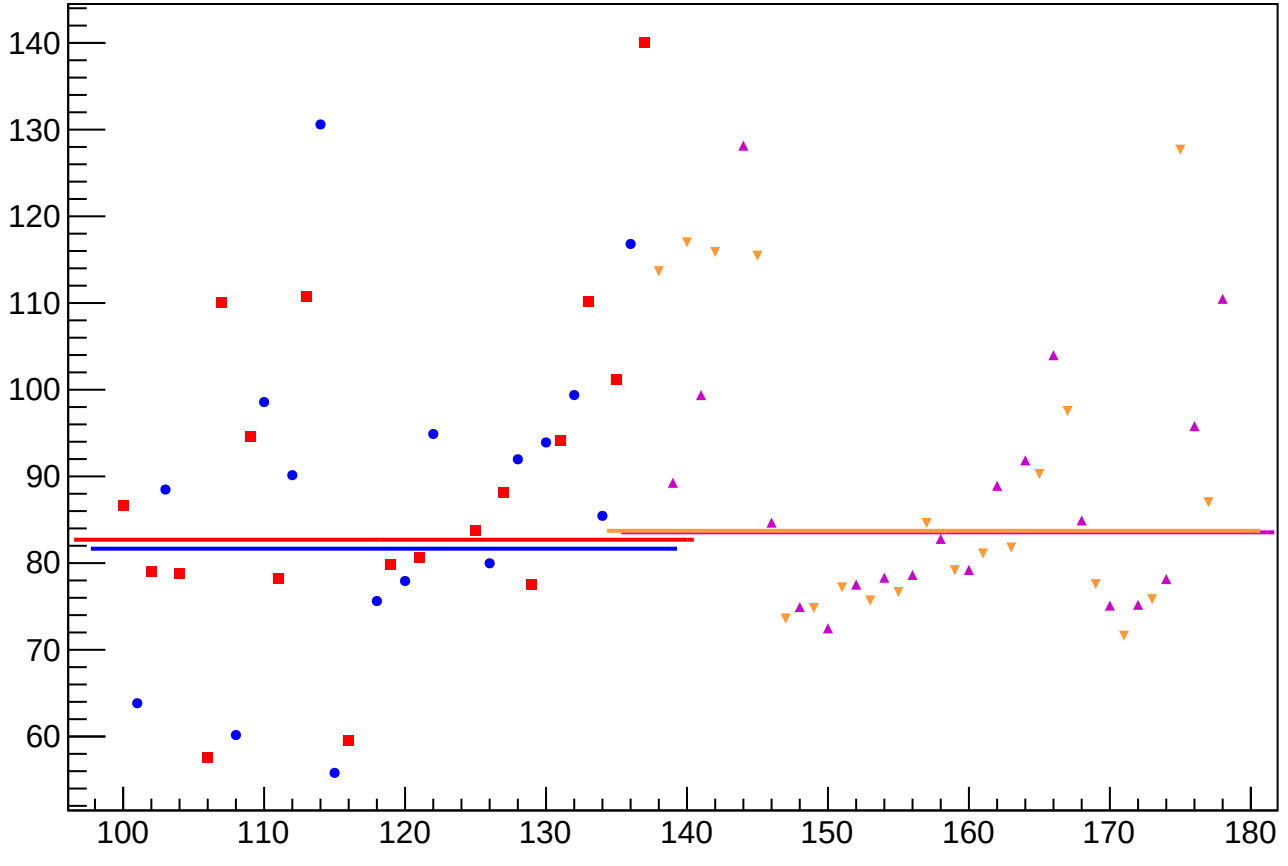
Right: -0.007+/-0.022 χ^2/NDF: 43.8/33

In: 0.000+/-0.018 χ^2/NDF:48.6/35

Out: -0.006+/-0.018 χ^2/NDF:39.3/37

All: -0.003+/-0.013 χ^2/NDF: 87.9/73

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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: 83.549+/-0.015 χ^2/NDF:568250.4/19

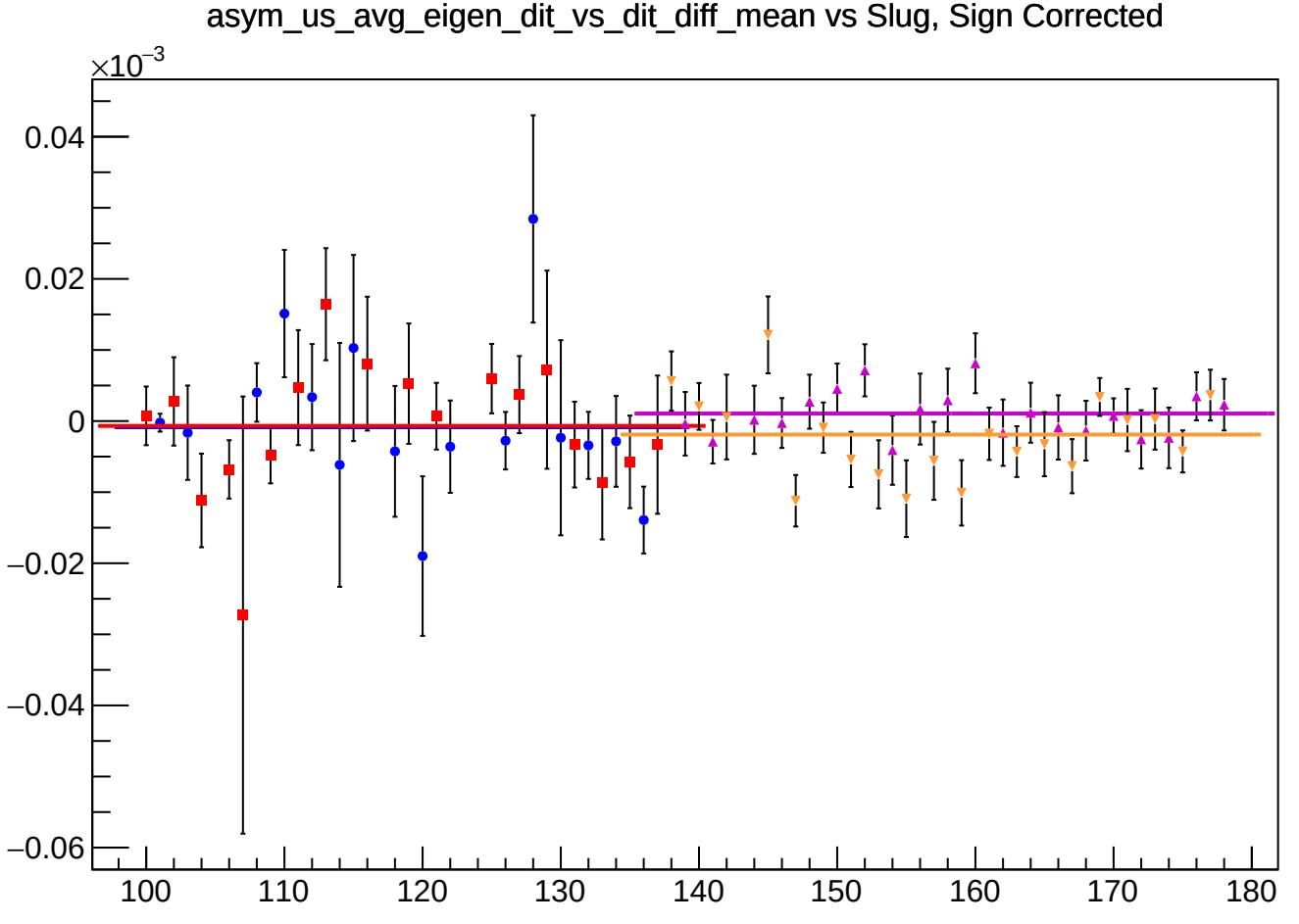
Left: 83.636+/-0.011 χ^2/NDF: 1389681.6/39

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

In: 82.963+/-0.012 χ^2/NDF:1135000.6/35

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

All: 83.178+/-0.009 χ^2/NDF: 2431460.7/73



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:12.9/19

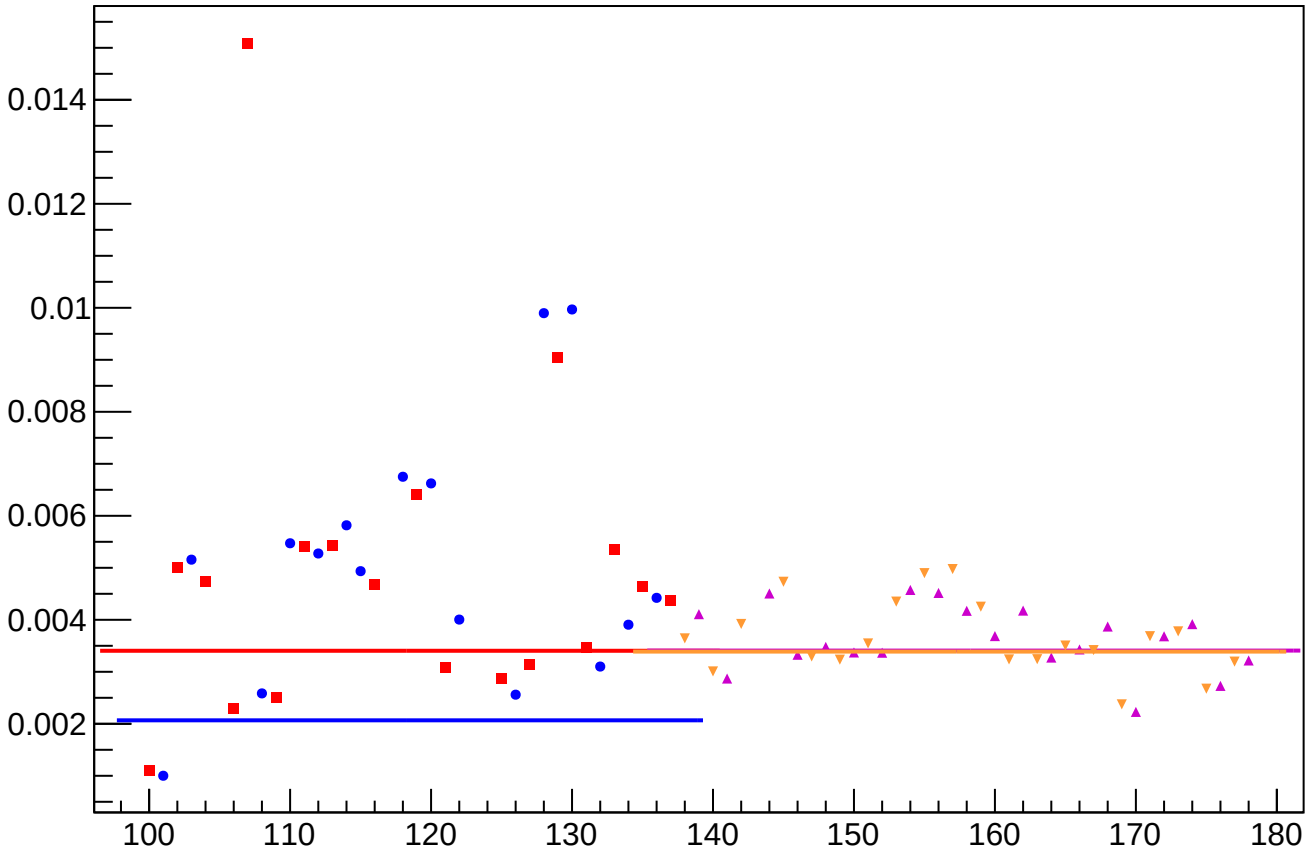
Left: -0.000+/-0.000 χ^2/NDF: 55.0/39

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

In: 0.000+/-0.000 χ^2/NDF:36.3/35

Out: -0.000+/-0.000 χ^2/NDF:55.1/37

All: -0.000+/-0.000 χ^2/NDF: 94.8/73



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:1154859.7/19

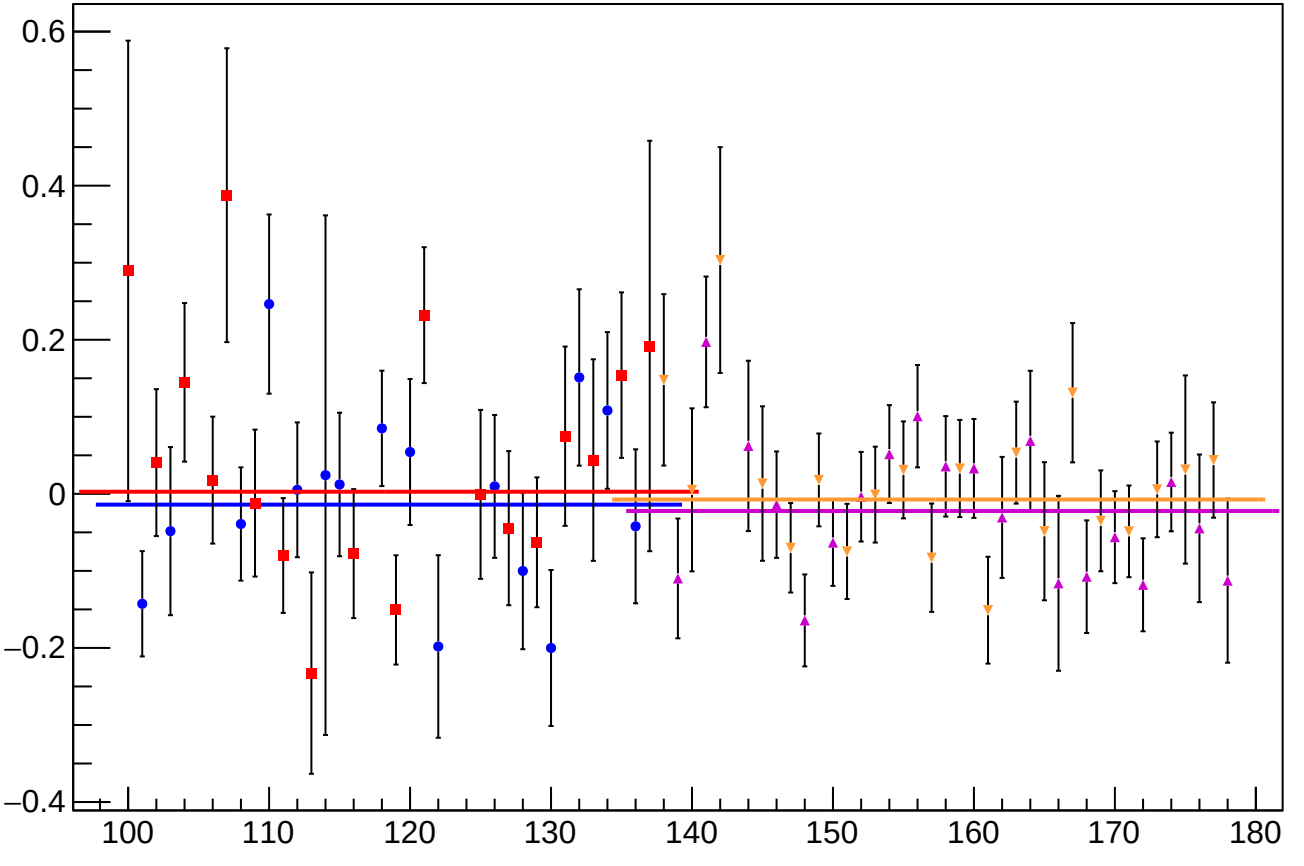
Left: 0.003+/-0.000 χ^2/NDF: 2258360.7/39

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

In: 0.003+/-0.000 χ^2/NDF:9009615.8/35

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

All: 0.003+/-0.000 χ^2/NDF: 13222383.2/73



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: -0.022+/-0.016 χ^2/NDF:28.2/19

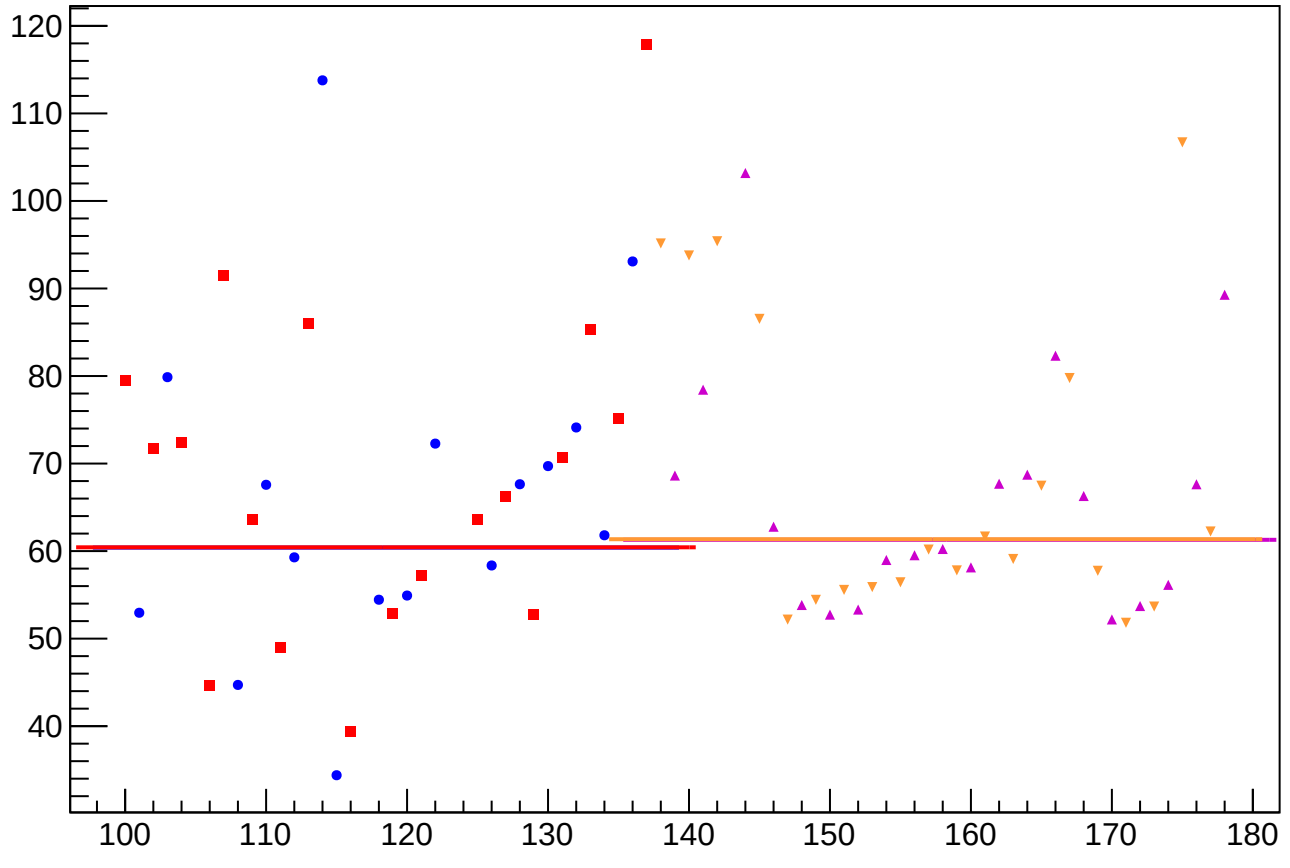
Left: -0.015+/-0.011 χ^2/NDF: 48.6/39

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

In: -0.020+/-0.013 χ^2/NDF:49.6/35

Out: -0.004+/-0.013 χ^2/NDF:47.8/37

All: -0.012+/-0.009 χ^2/NDF: 98.2/73



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: 61.288+/-0.011 χ^2/NDF:854826.5/19

Left: 61.322+/-0.008 χ^2/NDF: 2048740.2/39

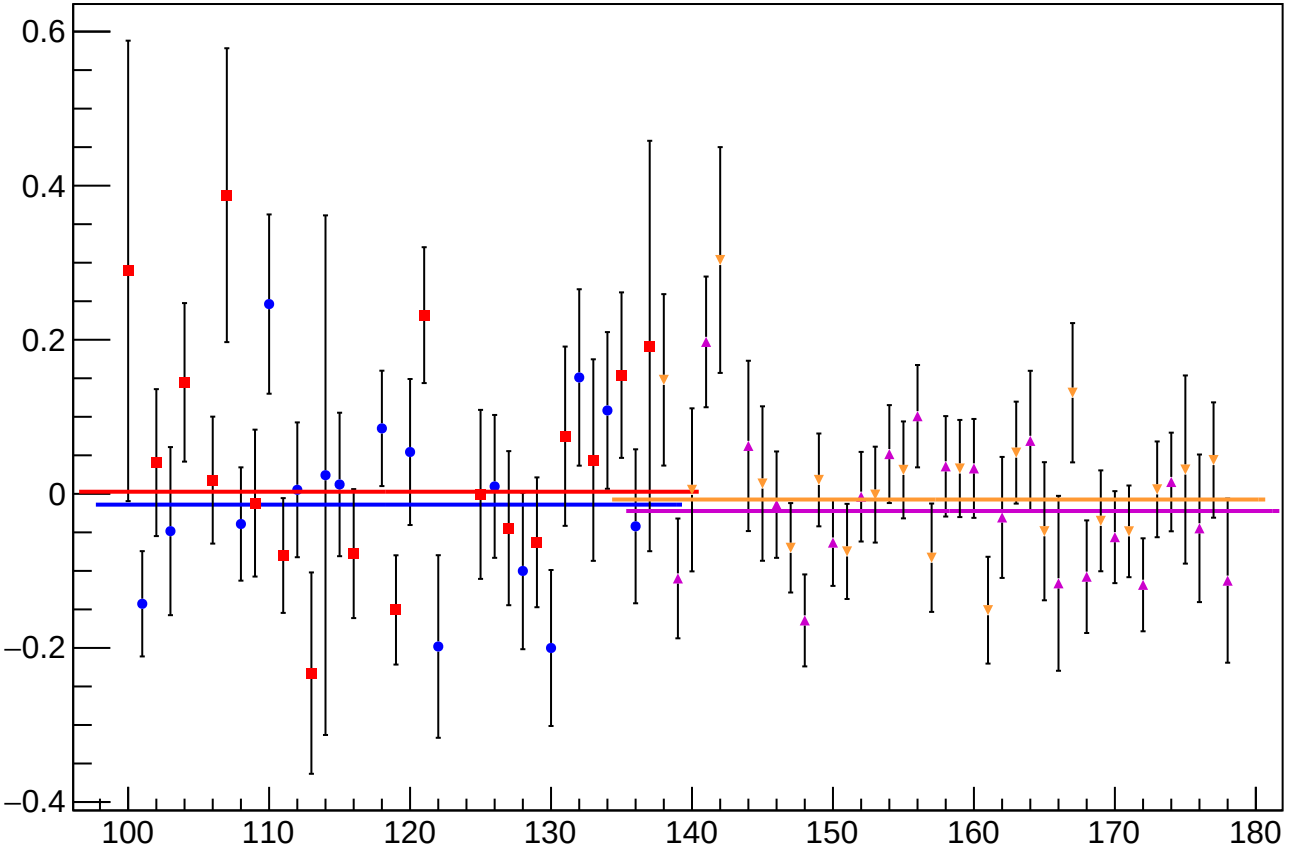
Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

In: 61.016+/-0.009 χ^2/NDF:1559928.6/35

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

All: 61.040+/-0.007 χ^2/NDF: 3467022.9/73

asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

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

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

Left In: -0.022+/-0.016 χ^2/NDF:28.2/19

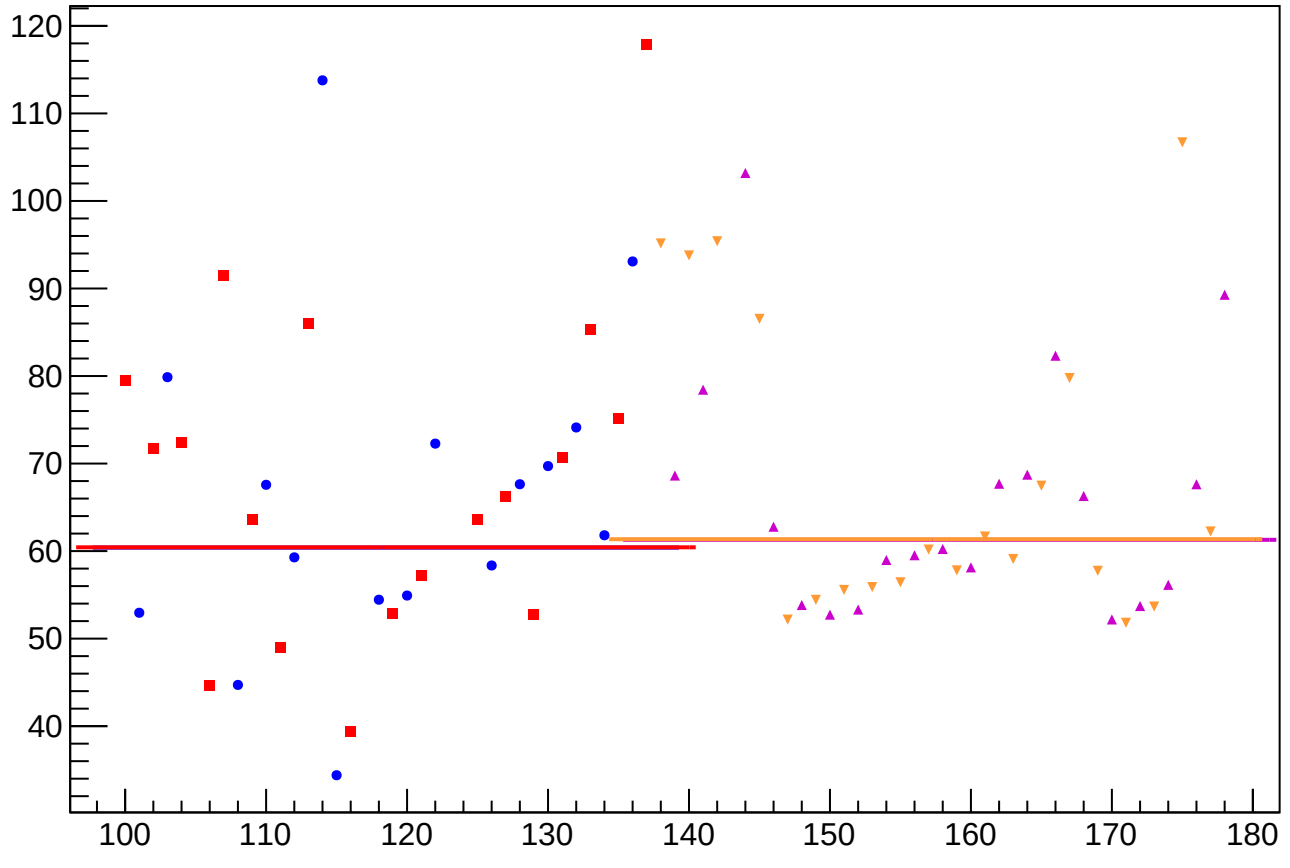
Left: -0.015+/-0.011 χ^2/NDF: 48.6/39

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

In: -0.020+/-0.013 χ^2/NDF:49.6/35

Out: -0.004+/-0.013 χ^2/NDF:47.8/37

All: -0.012+/-0.009 χ^2/NDF: 98.2/73



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: 61.288+/-0.011 χ^2/NDF:854826.5/19

Left: 61.322+/-0.008 χ^2/NDF: 2048740.2/39

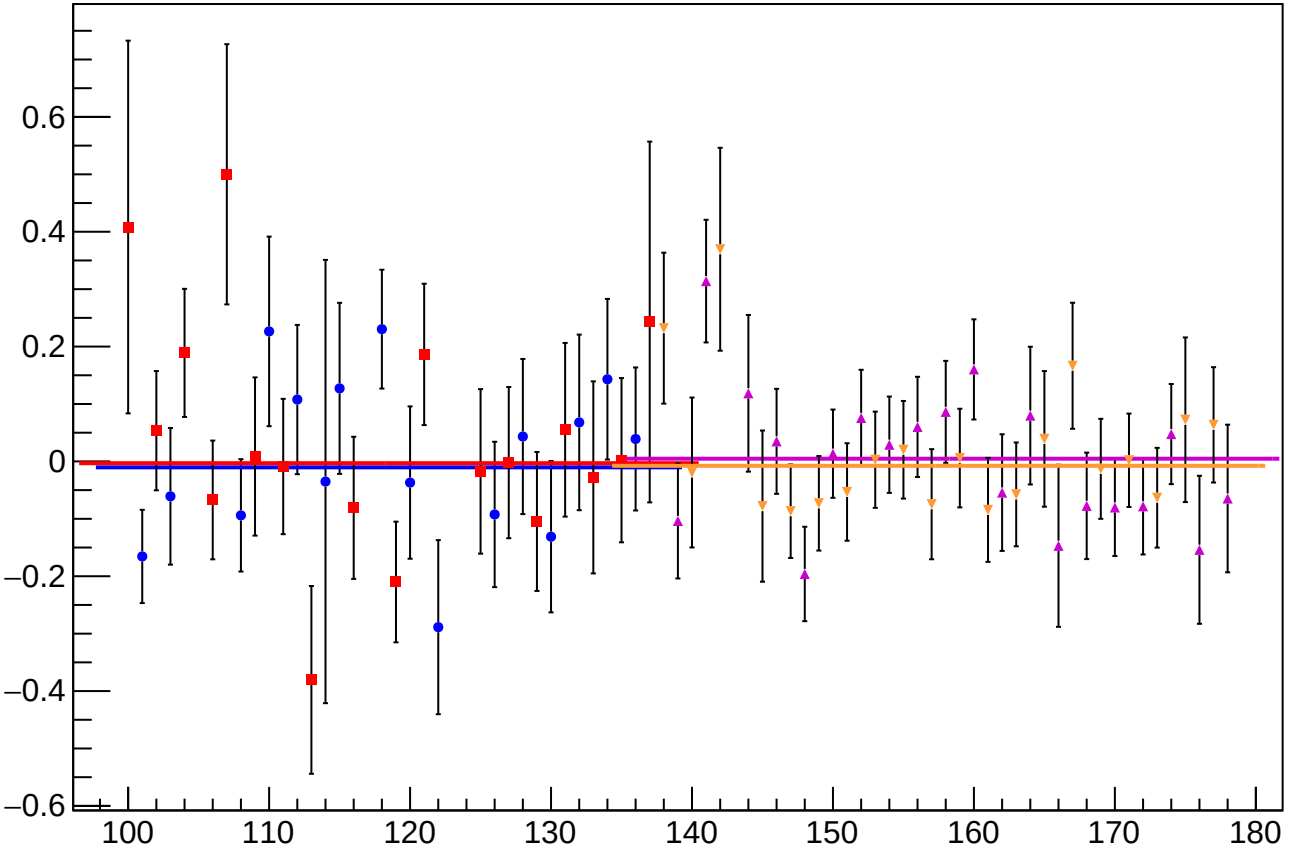
Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

In: 61.016+/-0.009 χ^2/NDF:1559928.6/35

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

All: 61.040+/-0.007 χ^2/NDF: 3467022.9/73

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: 0.005+/-0.021 χ^2/NDF:28.3/19

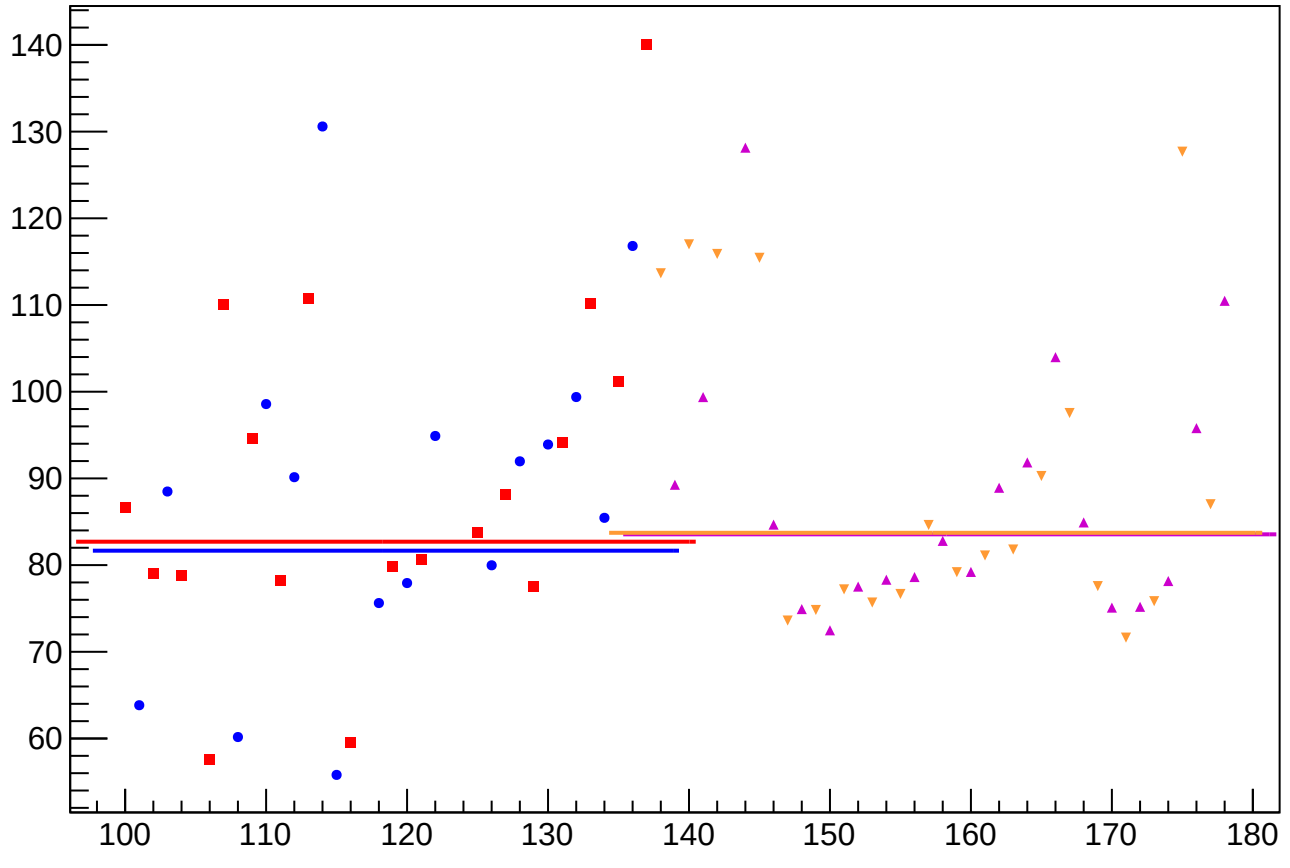
Left: -0.001+/-0.015 χ^2/NDF: 44.0/39

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

In: 0.000+/-0.018 χ^2/NDF:48.6/35

Out: -0.006+/-0.018 χ^2/NDF:39.3/37

All: -0.003+/-0.013 χ^2/NDF: 87.9/73



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: 83.549+/-0.015 χ^2/NDF:568247.2/19

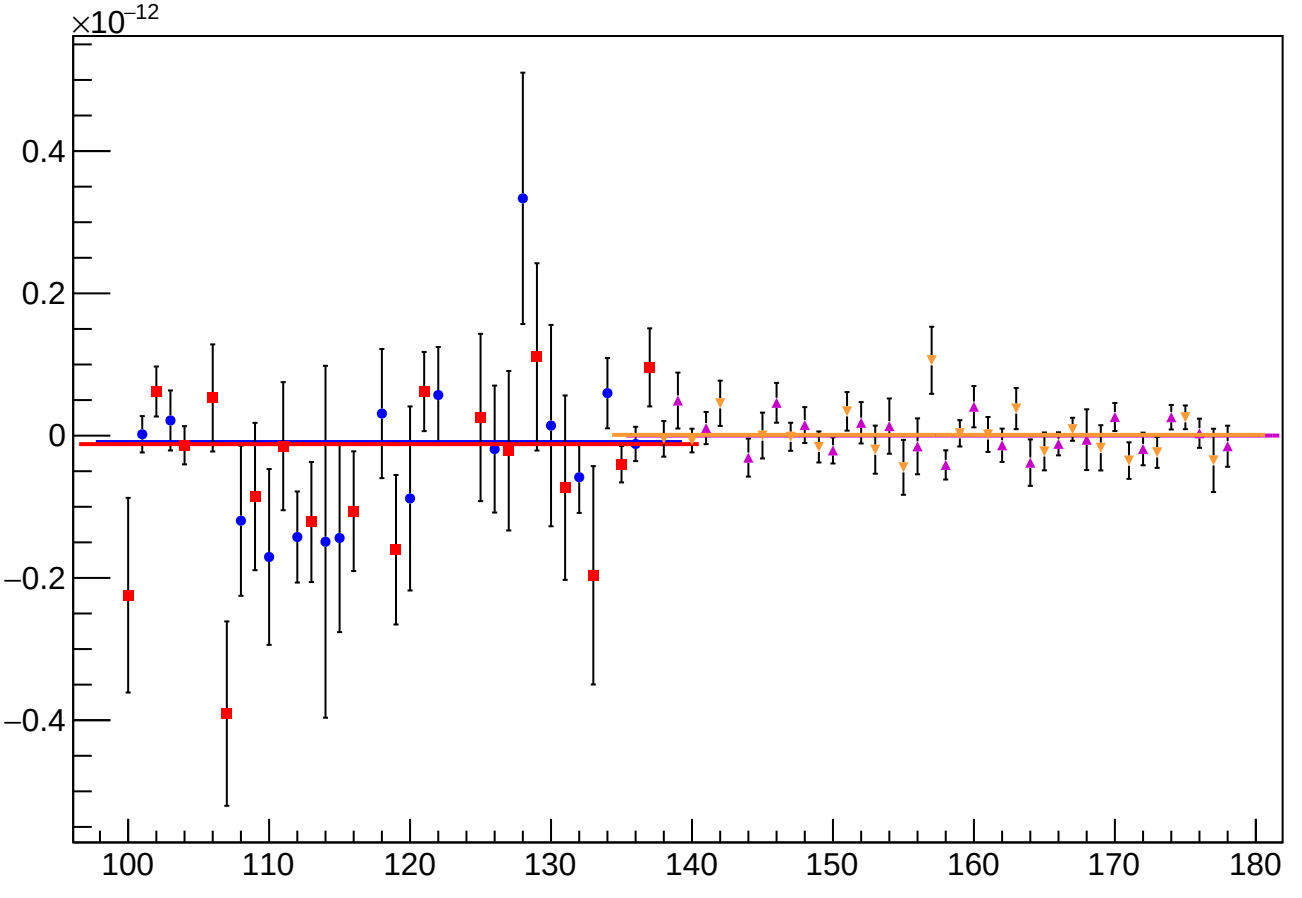
Left: 83.636+/-0.011 χ^2/NDF: 1389673.5/39

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

In: 82.962+/-0.012 χ^2/NDF:1134990.7/35

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

All: 83.178+/-0.009 χ^2/NDF: 2431446.3/73



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:21.3/19

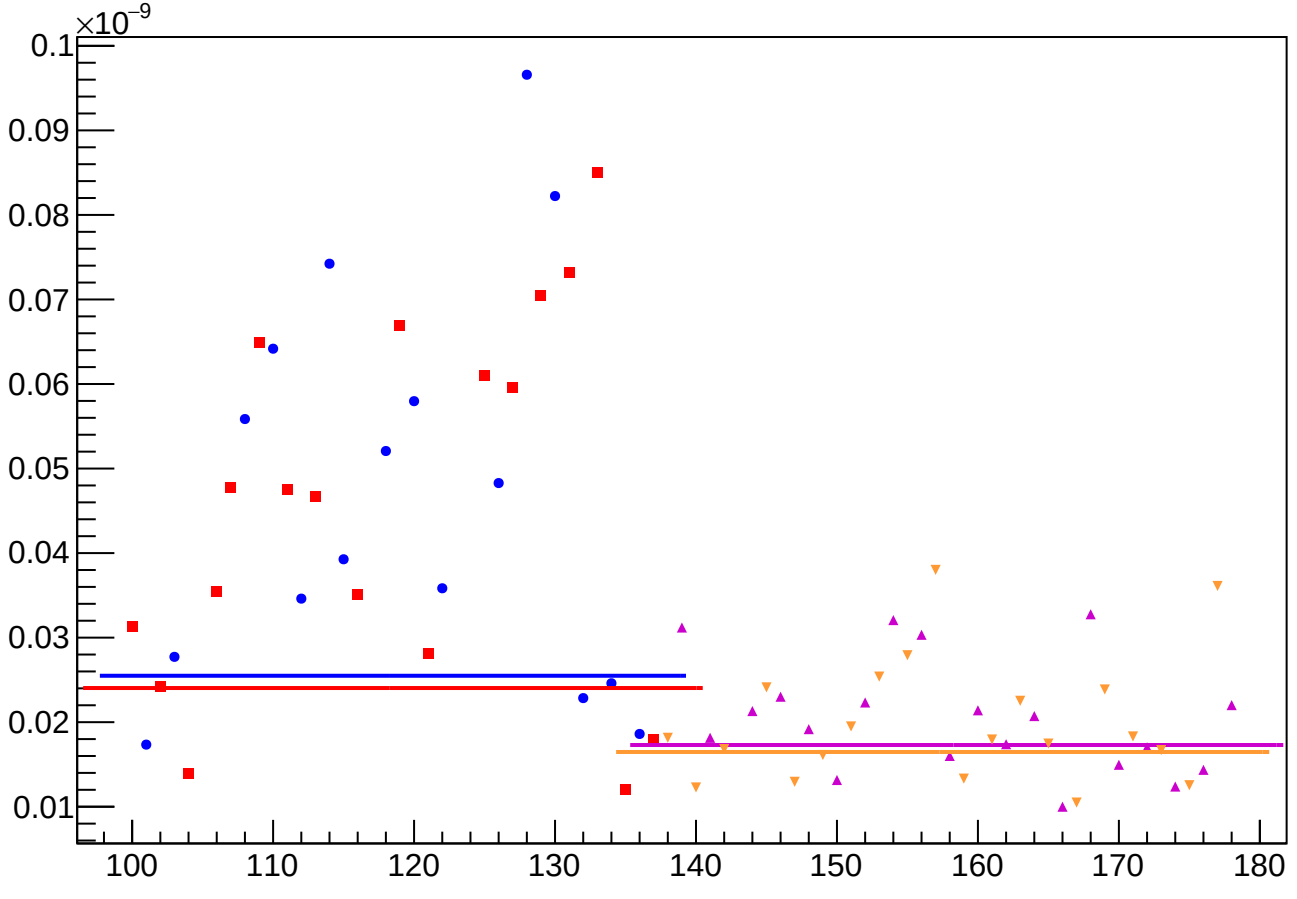
Left: 0.000+/-0.000 χ^2/NDF: 41.4/39

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

In: -0.000+/-0.000 χ^2/NDF:39.1/35

Out: -0.000+/-0.000 χ^2/NDF:52.0/37

All: -0.000+/-0.000 χ^2/NDF: 91.2/73



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:2086820.7/19

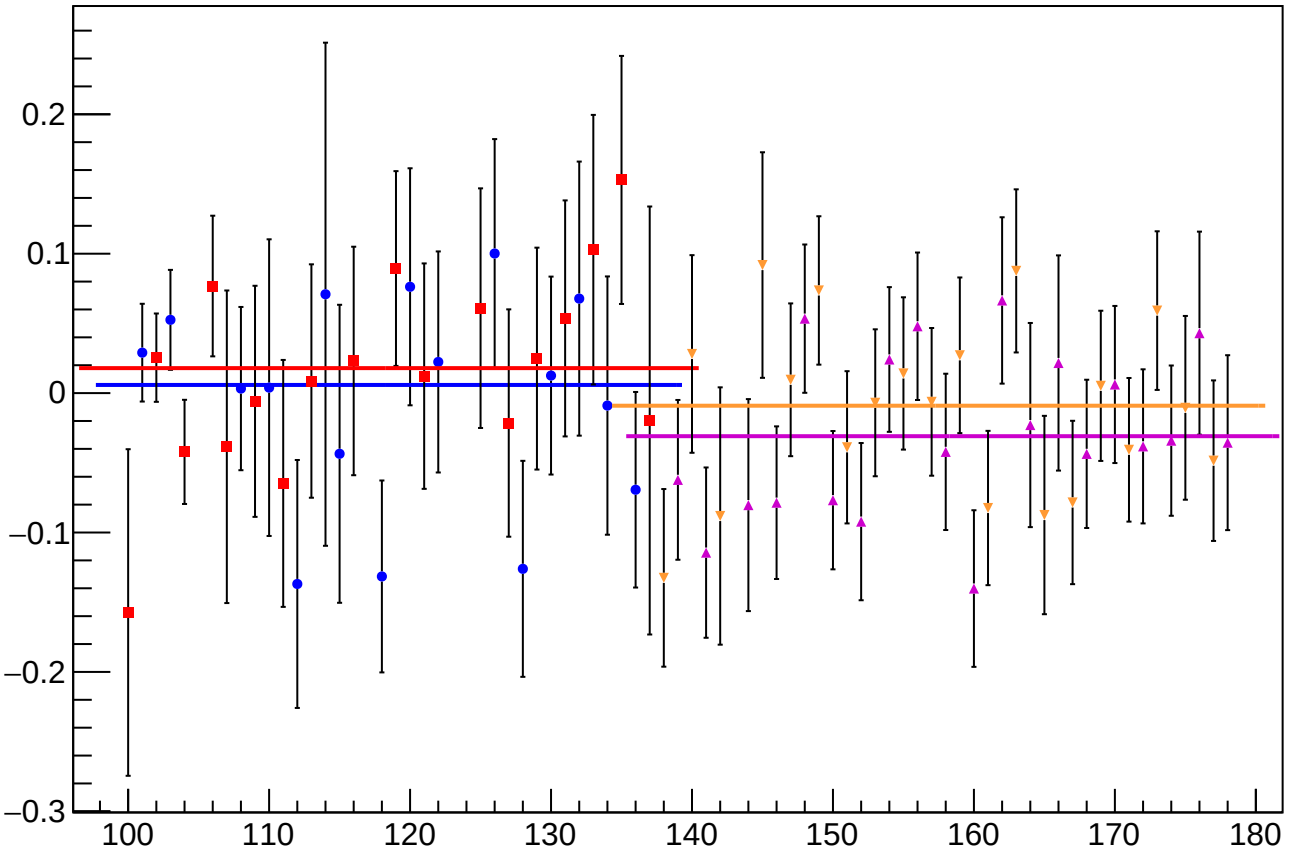
Left: 0.000+/-0.000 χ^2/NDF: 4229041.1/39

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

In: 0.000+/-0.000 χ^2/NDF:4742738.6/35

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

All: 0.000+/-0.000 χ^2/NDF: 10532099.4/73



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:19.8/19

Left: -0.020+/-0.009 χ^2/NDF: 40.4/39

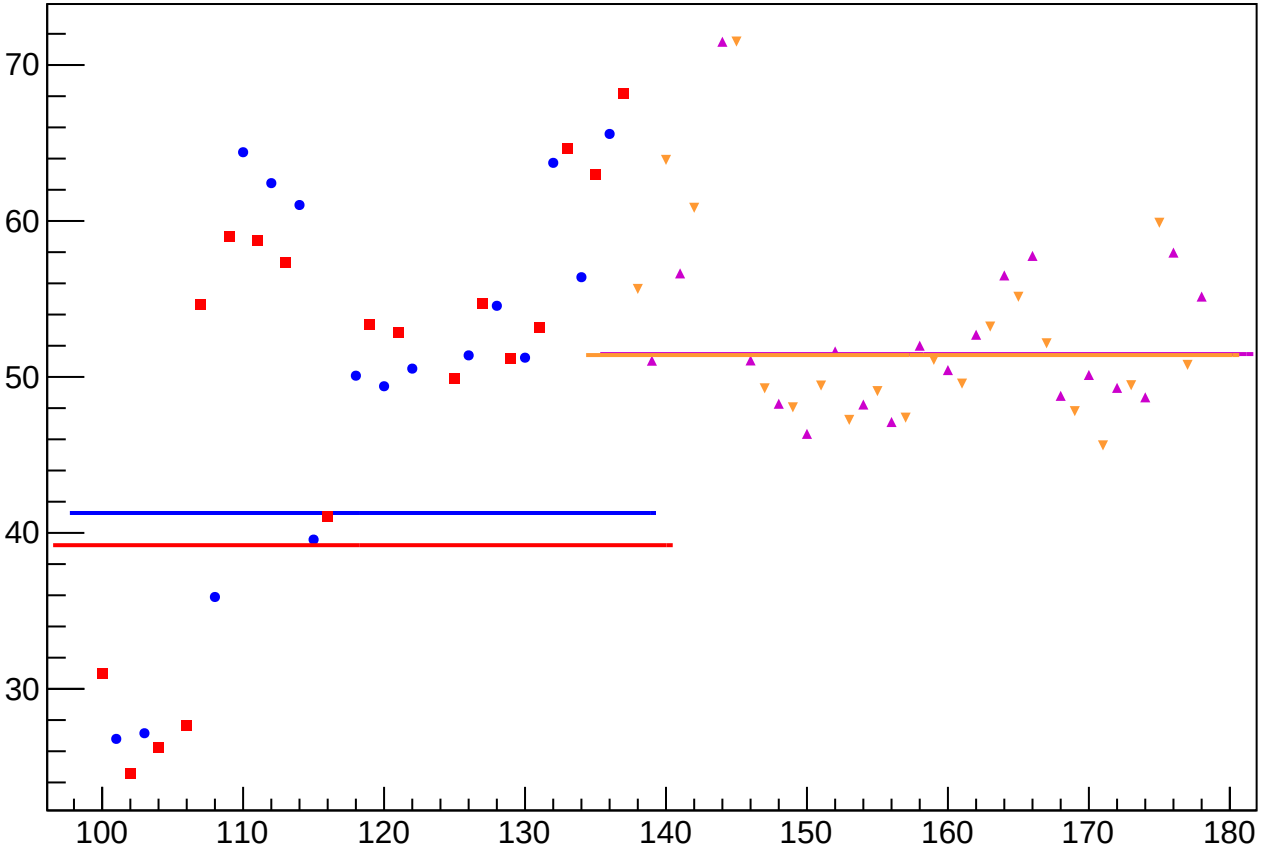
Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.017+/-0.010 χ^2/NDF:38.4/35

Out: 0.002+/-0.010 χ^2/NDF:33.3/37

All: -0.007+/-0.007 χ^2/NDF: 73.4/73

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

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

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

Left In: 51.467+/-0.009 χ^2/NDF:265015.7/19

Left: 51.435+/-0.007 χ^2/NDF: 601614.0/39

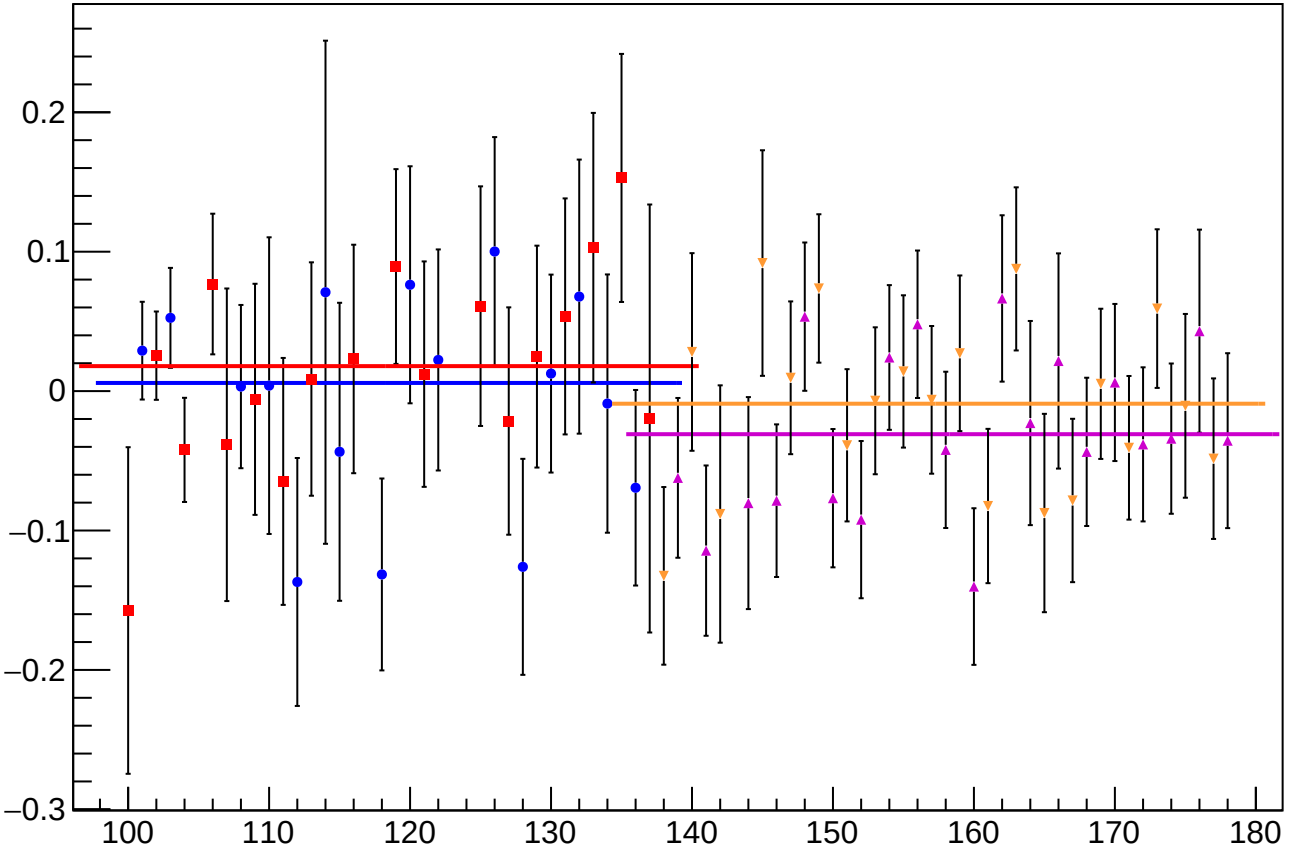
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

In: 47.579+/-0.007 χ^2/NDF:2240552.4/35

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

All: 46.976+/-0.005 χ^2/NDF: 5117494.7/73

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:19.8/19

Left: -0.020+/-0.009 χ^2/NDF: 40.4/39

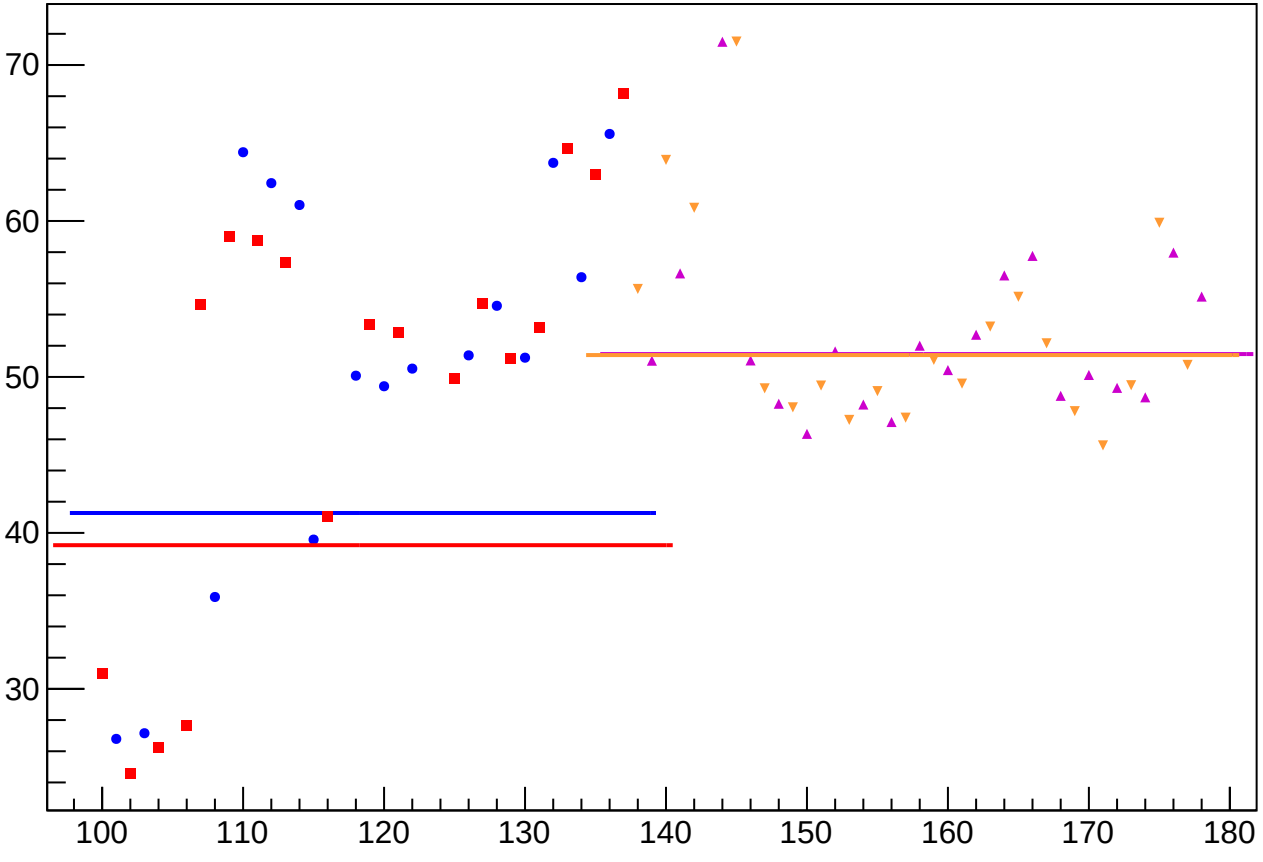
Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.017+/-0.010 χ^2/NDF:38.4/35

Out: 0.002+/-0.010 χ^2/NDF:33.3/37

All: -0.007+/-0.007 χ^2/NDF: 73.4/73

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: 51.467+/-0.009 χ^2/NDF:265015.7/19

Left: 51.435+/-0.007 χ^2/NDF: 601614.0/39

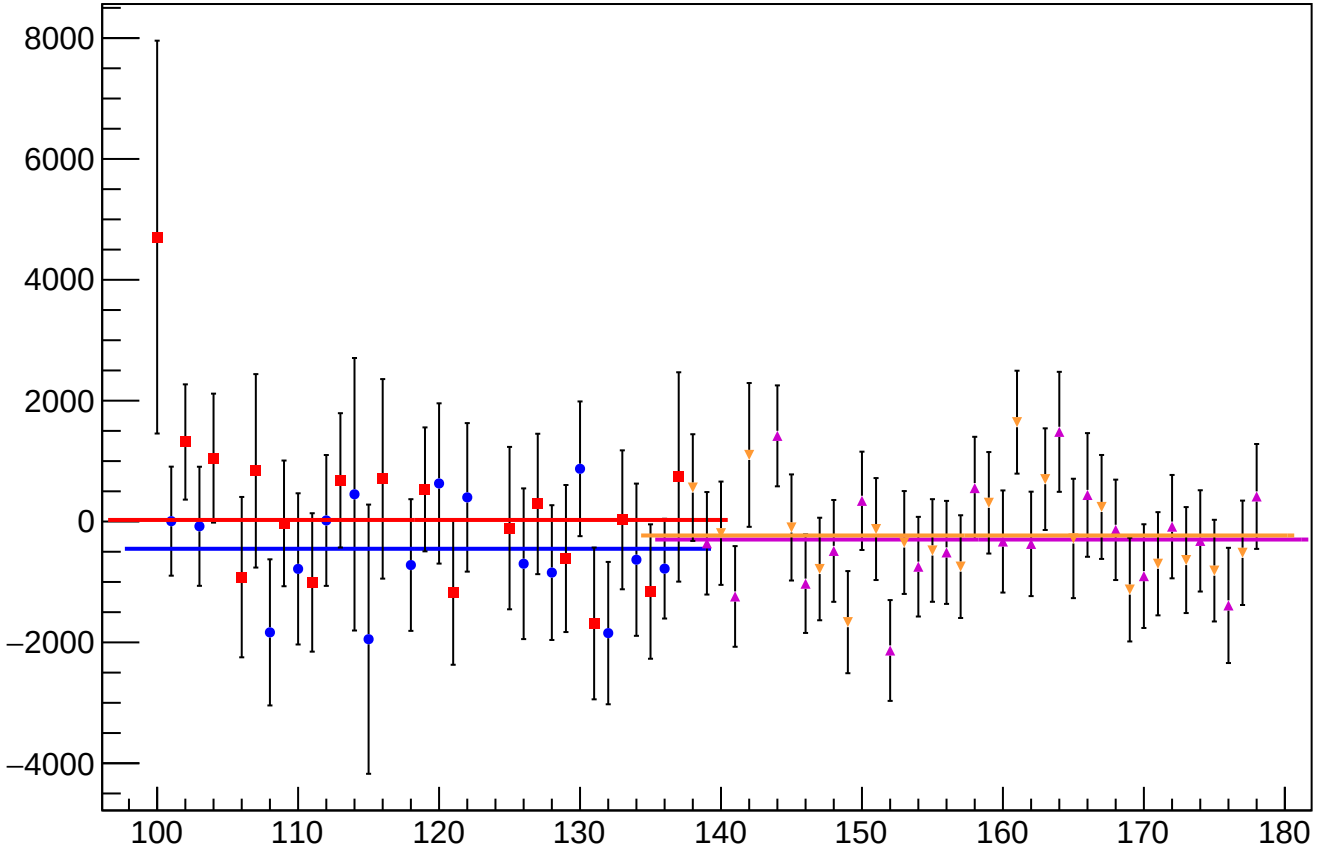
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

In: 47.579+/-0.007 χ^2/NDF:2240552.4/35

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

All: 46.976+/-0.005 χ^2/NDF: 5117494.7/73

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: -298.051+/-192.106 χ^2/NDF:19.5/19

Left: -264.889+/-136.760 χ^2/NDF: 34.4/39

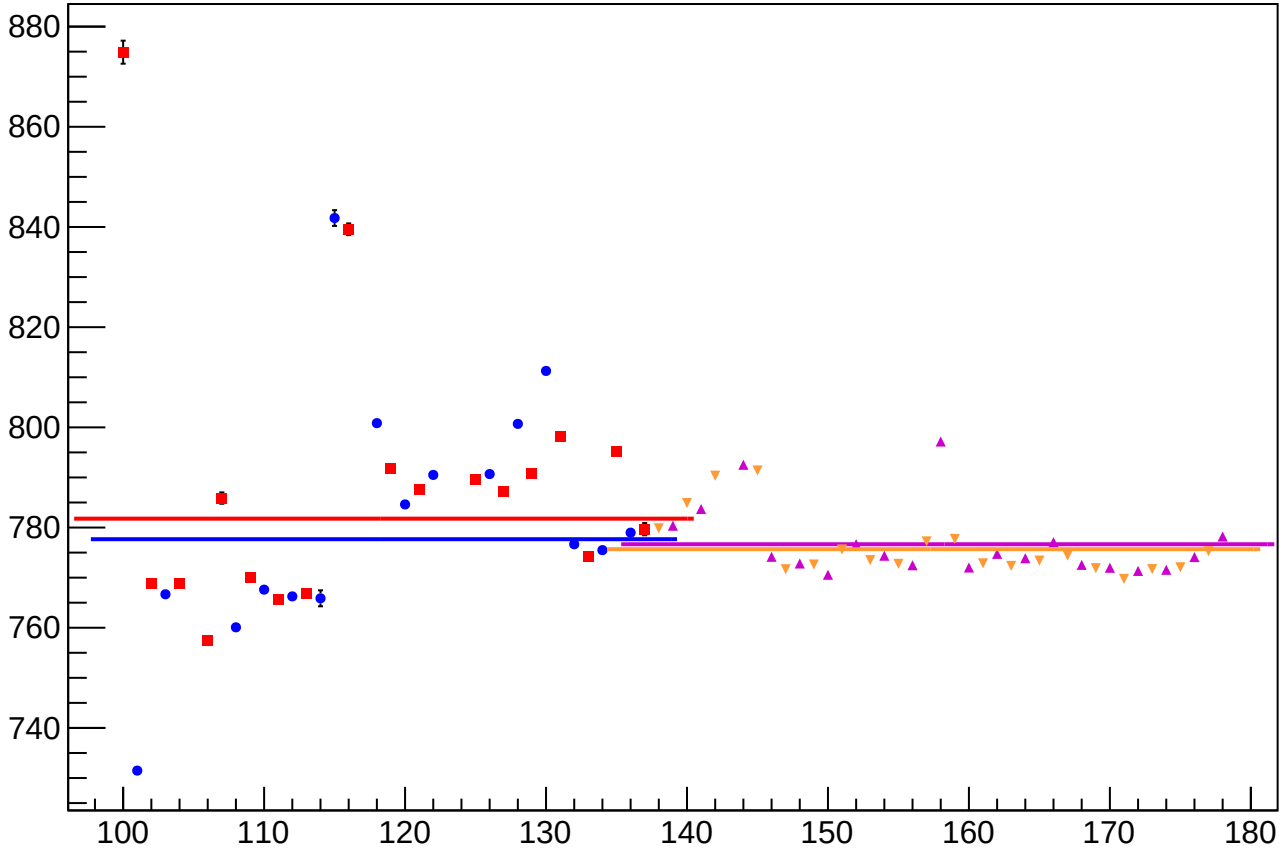
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -344.919+/-159.977 χ^2/NDF:26.7/35

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

All: -248.400+/-113.597 χ^2/NDF: 54.5/73

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: 776.667+/-0.136 χ^2/NDF:2674.6/19

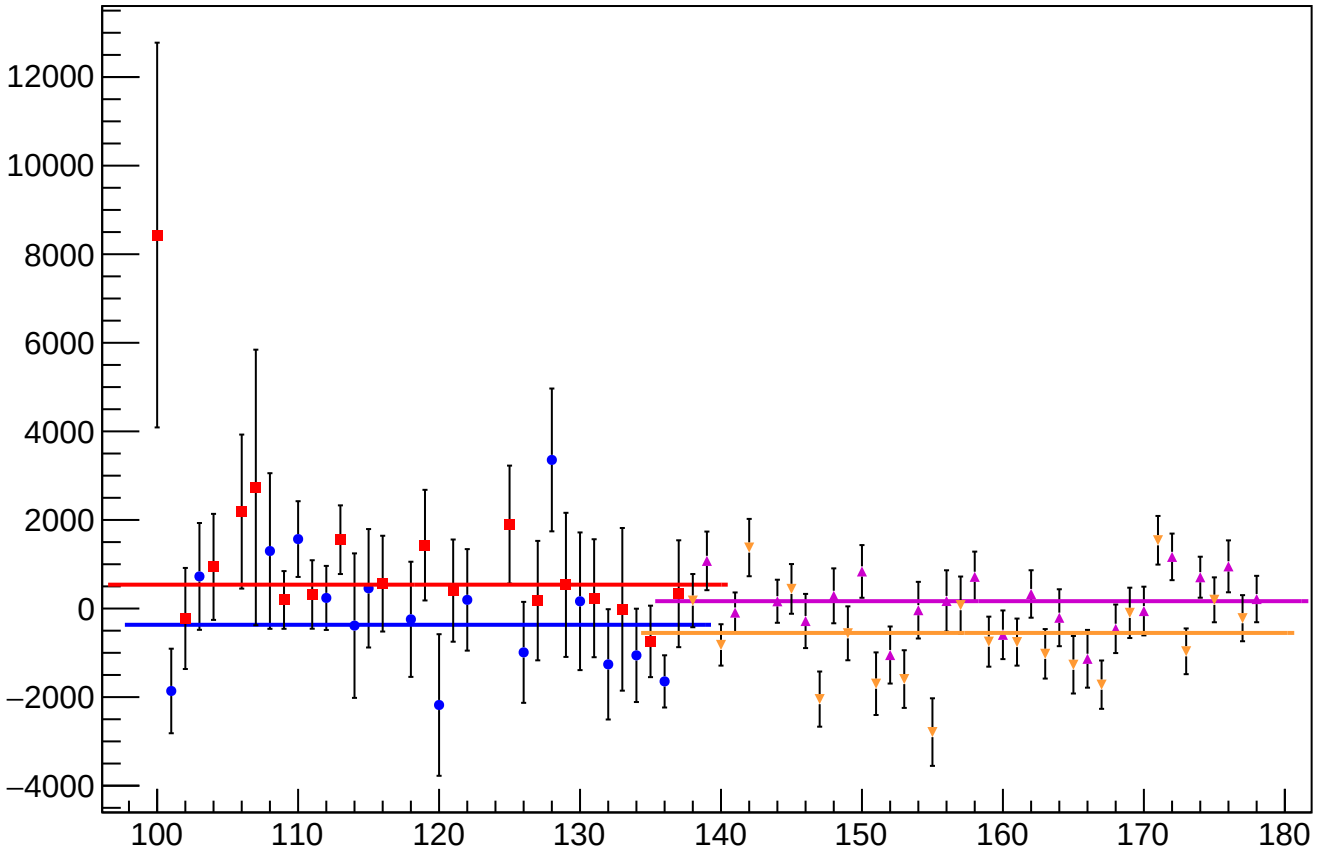
Left: 776.179+/-0.097 χ^2/NDF: 4331.1/39

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

In: 776.976+/-0.113 χ^2/NDF:14746.9/35

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

All: 777.281+/-0.080 χ^2/NDF: 24633.4/73



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: 166.219+/-126.447 χ^2/NDF:23.2/19

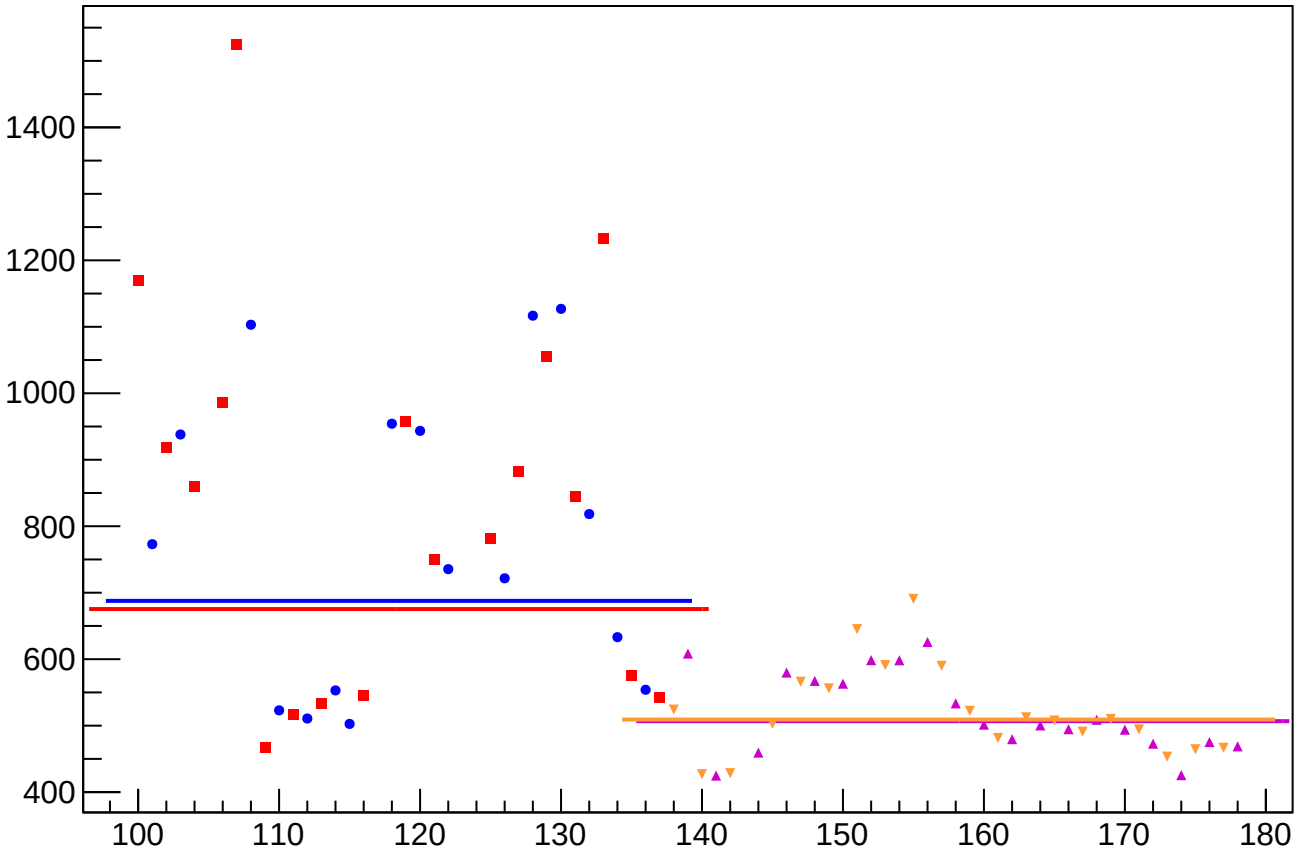
Left: -184.892+/-90.332 χ^2/NDF: 98.4/39

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

In: 68.354+/-114.256 χ^2/NDF:49.8/35

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

All: -132.529+/-81.358 χ^2/NDF: 141.0/73



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: 506.790+/-0.089 χ^2/NDF:435305.0/19

Left: 507.954+/-0.064 χ^2/NDF: 871465.9/39

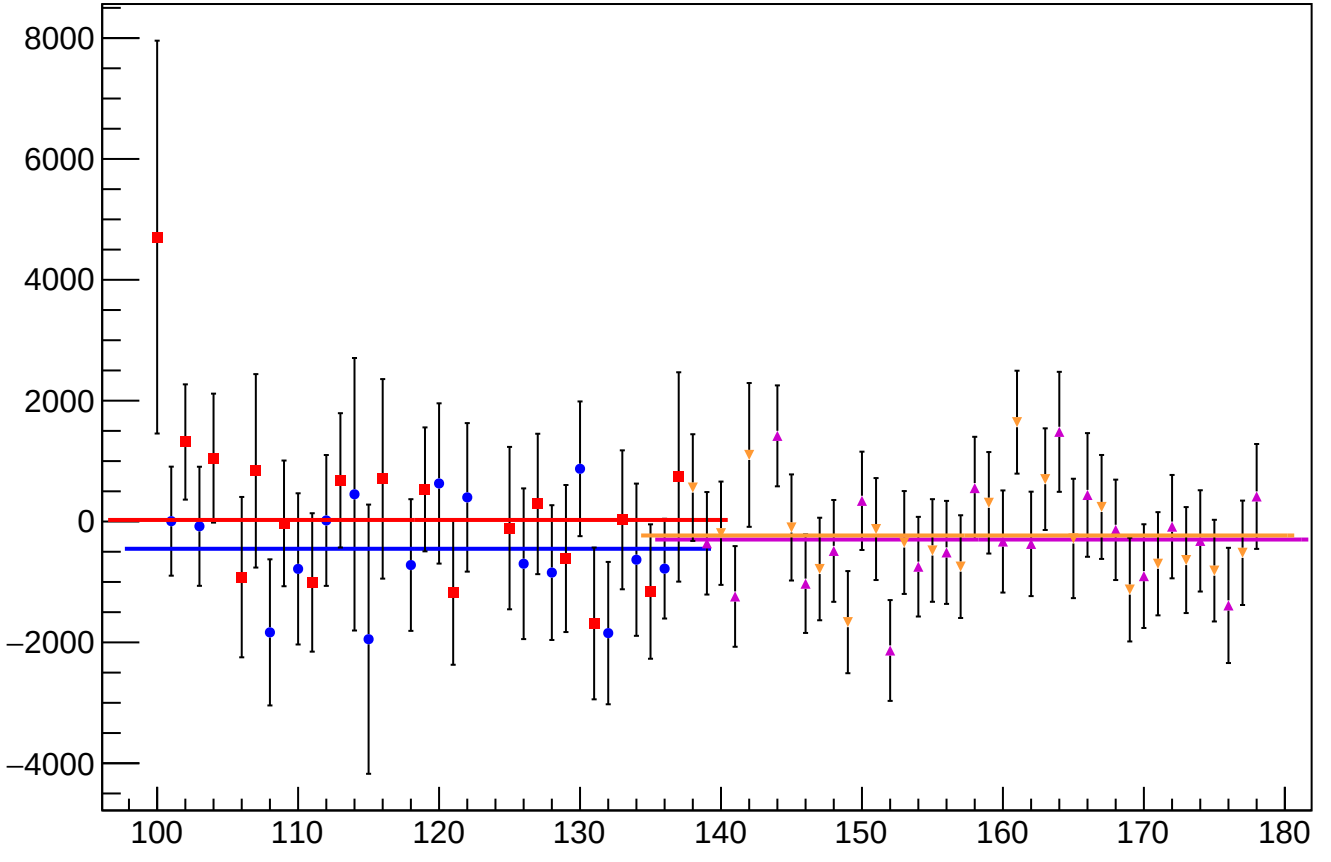
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 539.996+/-0.081 χ^2/NDF:2218720.1/35

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

All: 540.719+/-0.058 χ^2/NDF: 4612019.6/73

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: -298.051+/-192.106 χ^2/NDF:19.5/19

Left: -264.889+/-136.760 χ^2/NDF: 34.4/39

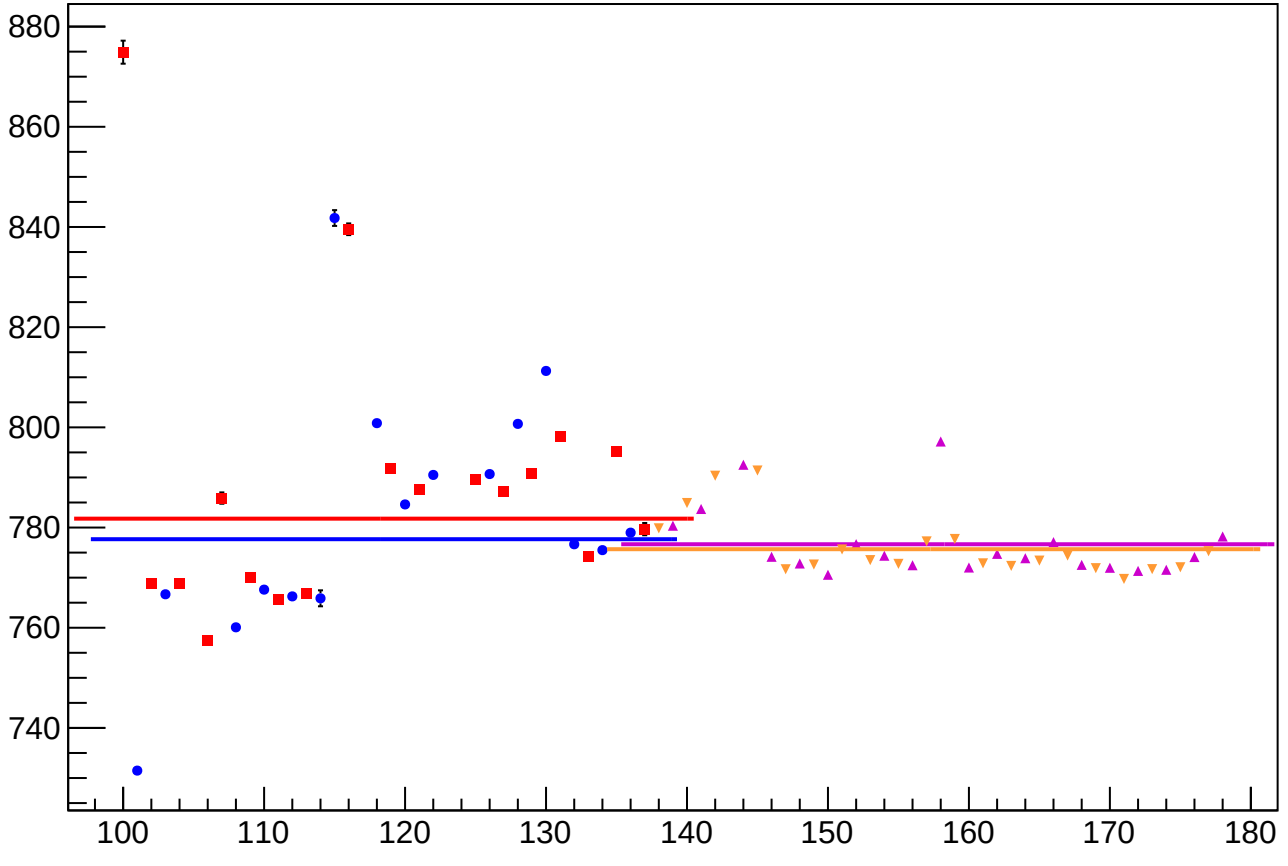
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -344.919+/-159.977 χ^2/NDF:26.7/35

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

All: -248.400+/-113.597 χ^2/NDF: 54.5/73

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: 776.667+/-0.136 χ^2/NDF:2674.6/19

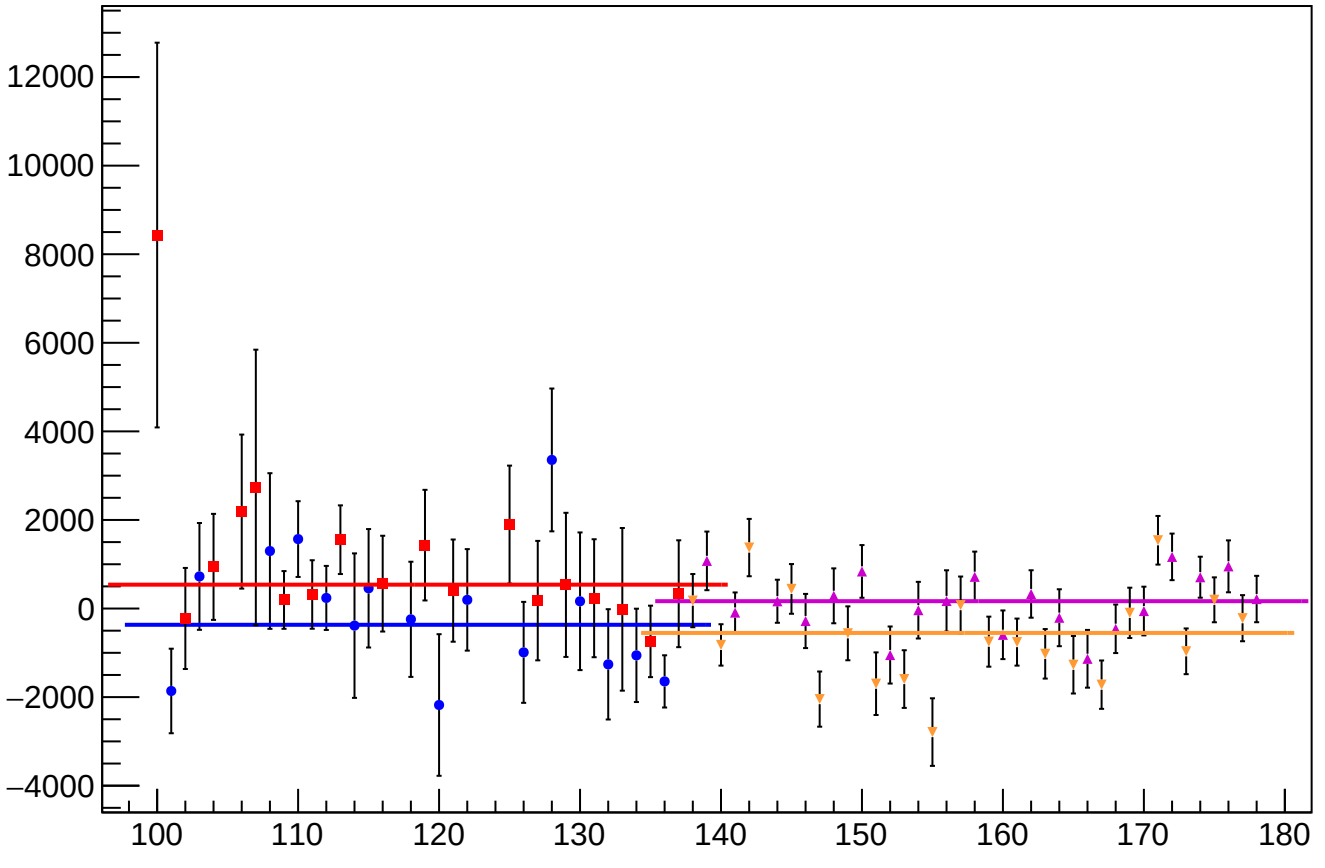
Left: 776.179+/-0.097 χ^2/NDF: 4331.1/39

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

In: 776.976+/-0.113 χ^2/NDF:14746.9/35

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

All: 777.281+/-0.080 χ^2/NDF: 24633.4/73



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: 166.219+/-126.447 χ^2/NDF:23.2/19

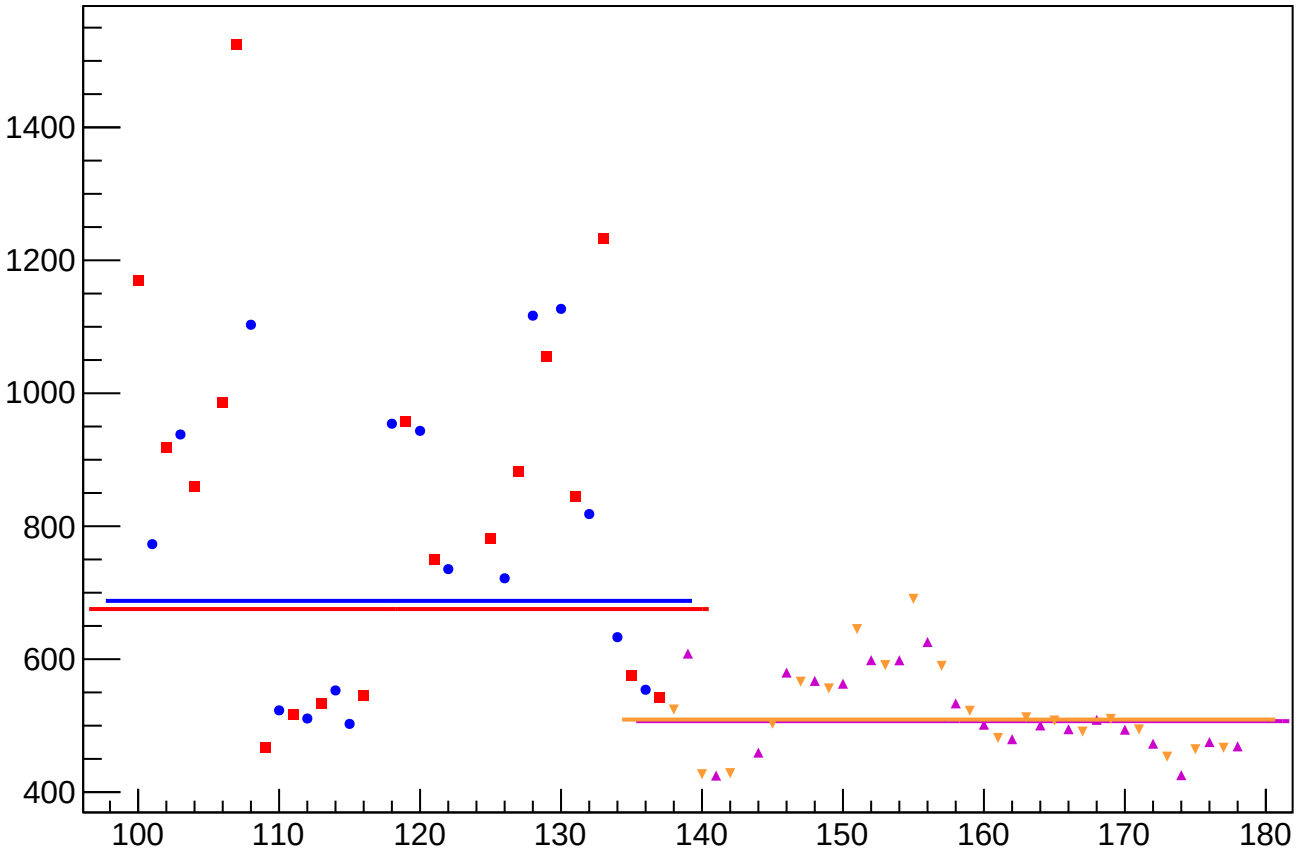
Left: -184.892+/-90.332 χ^2/NDF: 98.4/39

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

In: 68.354+/-114.256 χ^2/NDF:49.8/35

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

All: -132.529+/-81.358 χ^2/NDF: 141.0/73



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: 506.790+/-0.089 χ^2/NDF:435305.0/19

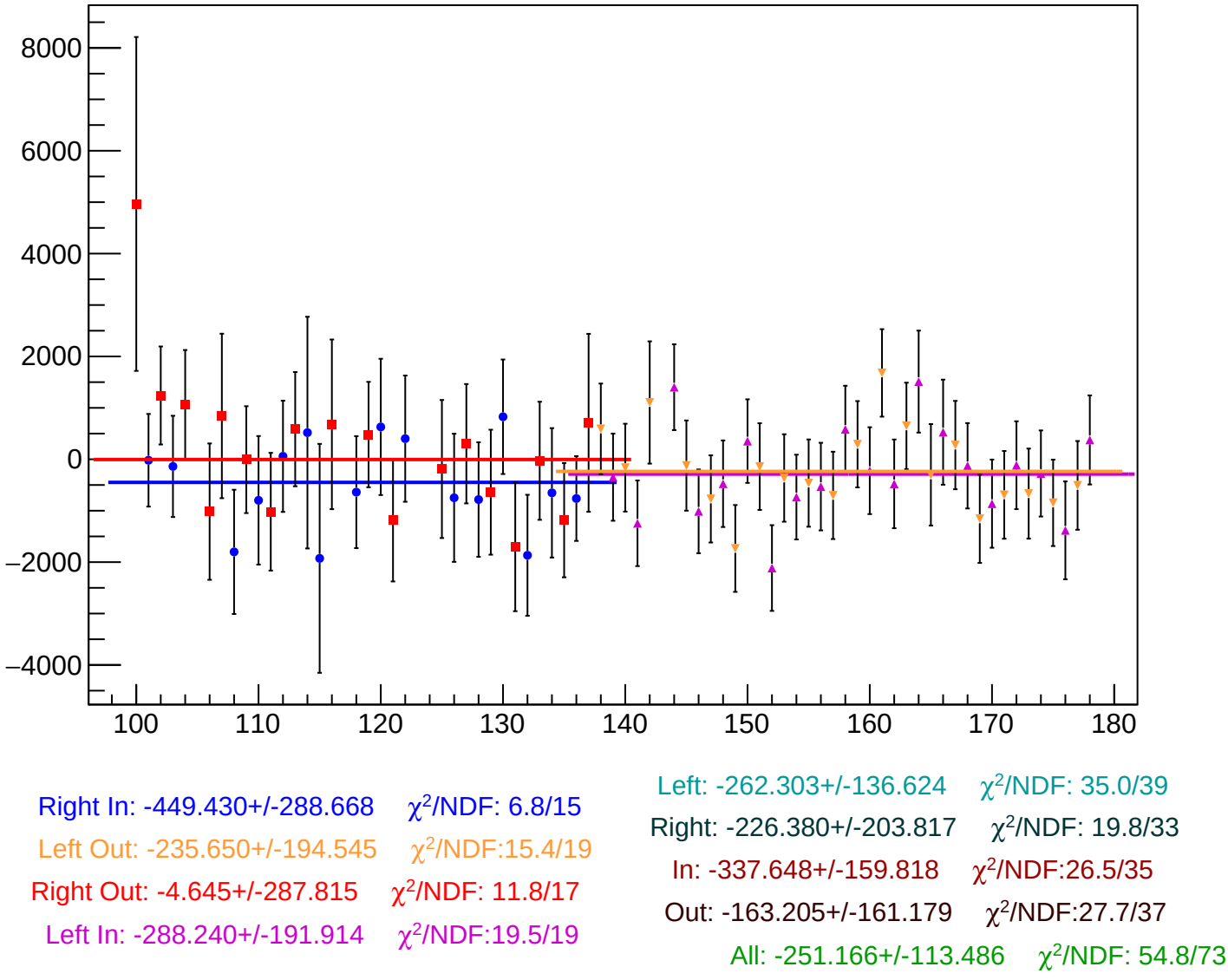
Left: 507.954+/-0.064 χ^2/NDF: 871465.9/39

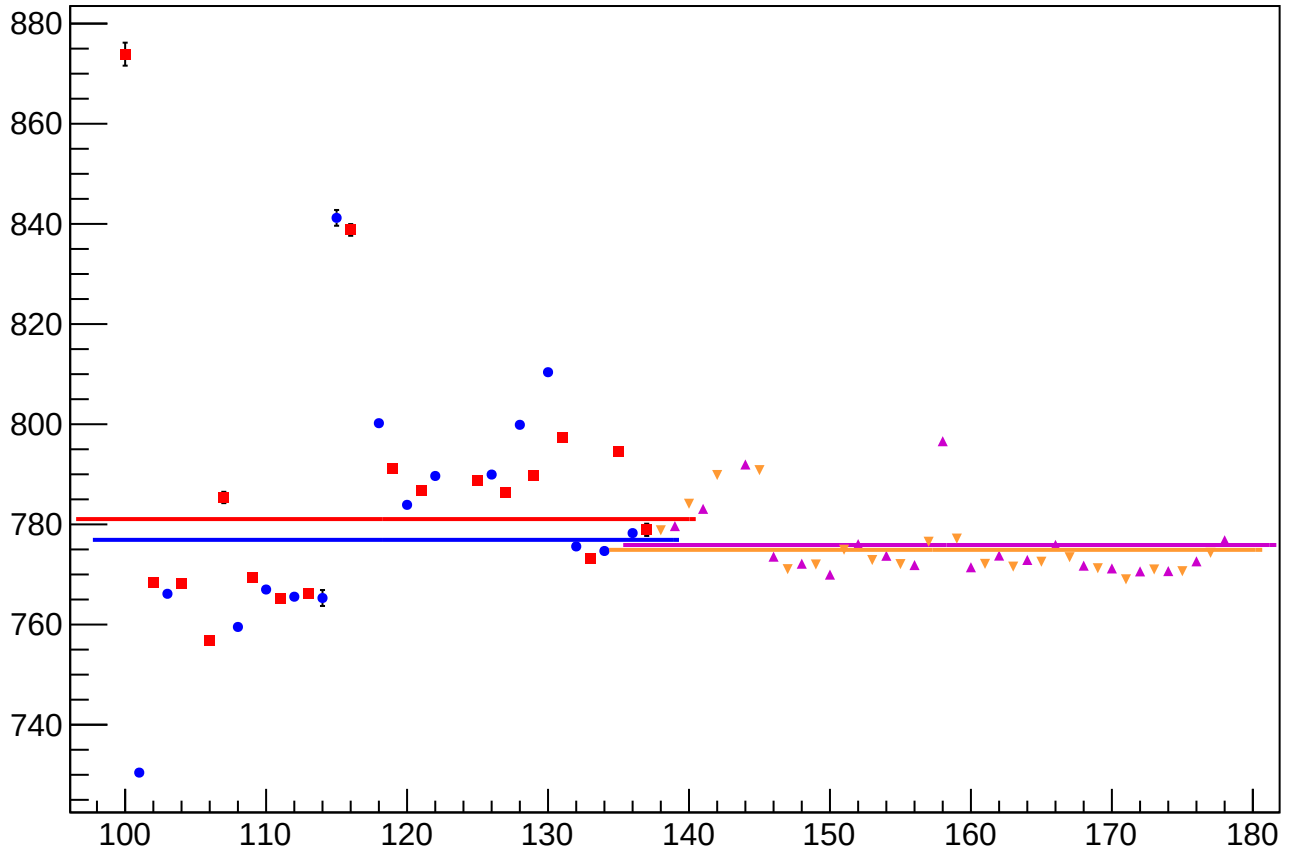
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 539.996+/-0.081 χ^2/NDF:2218720.1/35

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

All: 540.719+/-0.058 χ^2/NDF: 4612019.6/73


overload_cor_asym_us_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
Right In: -449.430+/-288.668 χ²/NDF: 6.8/15
Left Out: -235.650+/-194.545 χ²/NDF:15.4/19
Right Out: -4.645+/-287.815 χ²/NDF: 11.8/17
Left In: -288.240+/-191.914 χ²/NDF:19.5/19
Left: -262.303+/-136.624 χ²/NDF: 35.0/39
Right: -226.380+/-203.817 χ²/NDF: 19.8/33
In: -337.648+/-159.818 χ²/NDF:26.5/35
Out: -163.205+/-161.179 χ²/NDF:27.7/37
All: -251.166+/-113.486 χ²/NDF: 54.8/73



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: 775.888+/-0.136 χ^2/NDF:2719.6/19

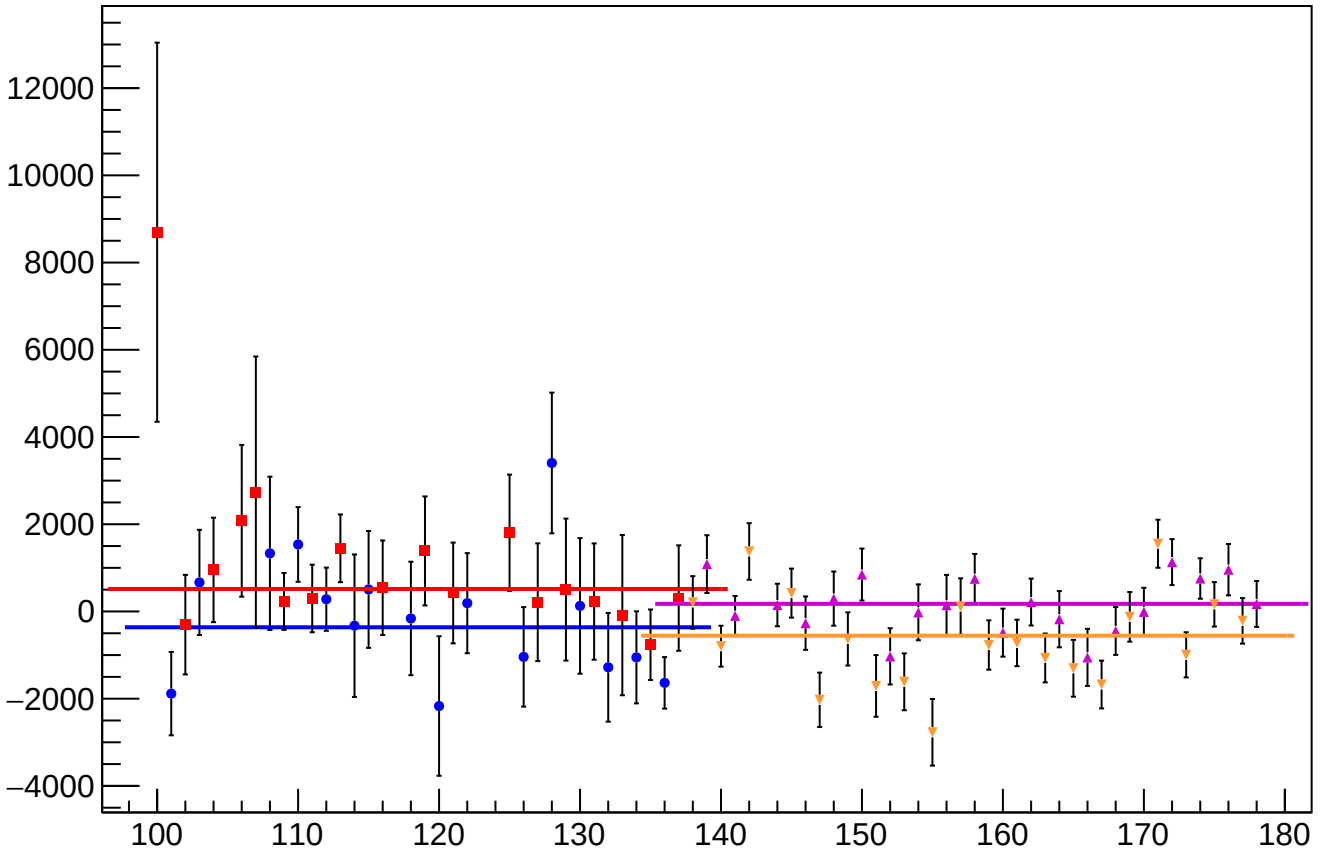
Left: 775.409+/-0.097 χ^2/NDF: 4406.7/39

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

In: 776.202+/-0.113 χ^2/NDF:14860.7/35

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

All: 776.520+/-0.080 χ^2/NDF: 24749.7/73



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: 174.275+/-126.773 χ^2/NDF:22.0/19

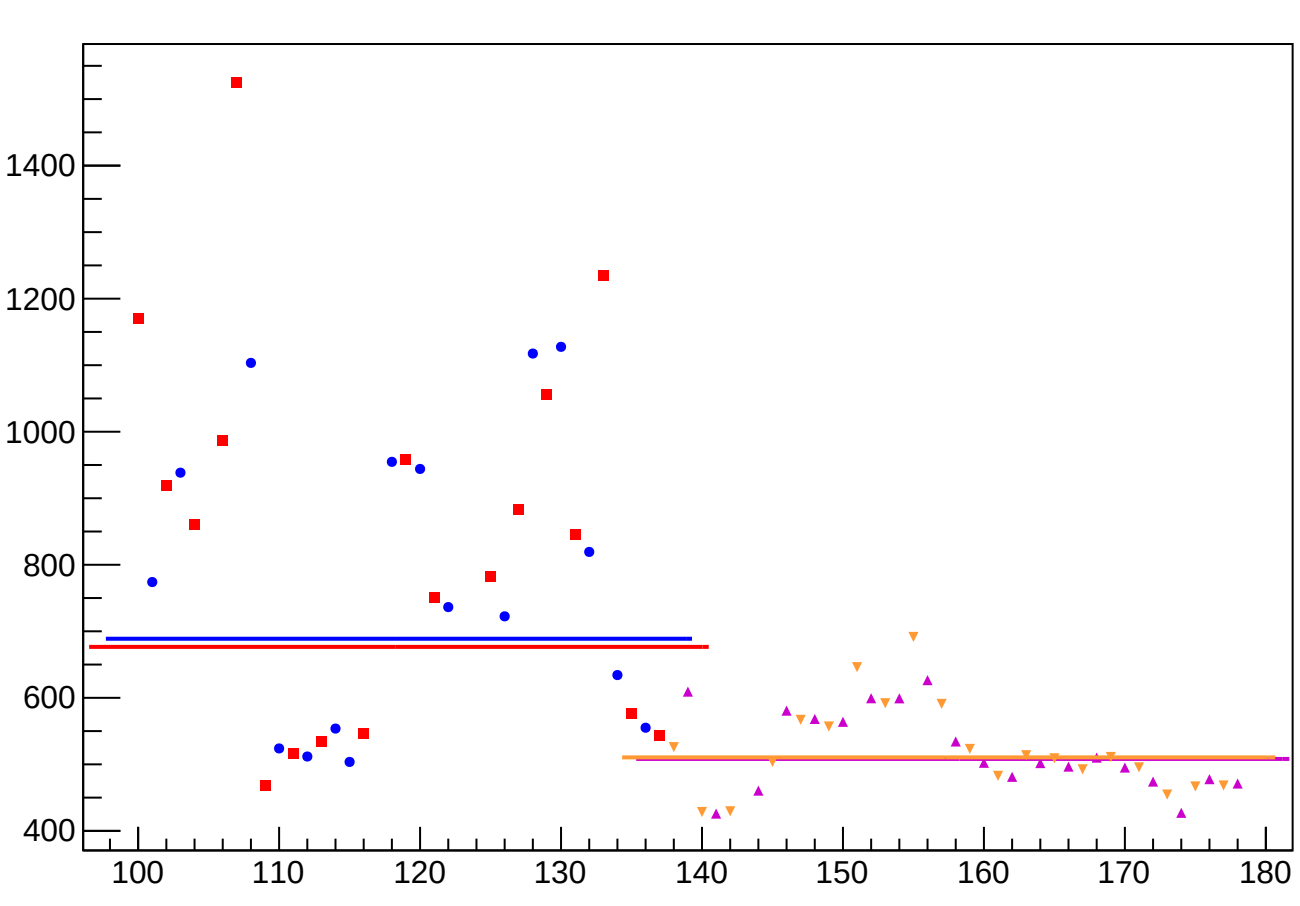
Left: -183.161+/-90.559 χ^2/NDF: 97.2/39

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

In: 75.522+/-114.526 χ^2/NDF:48.6/35

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

All: -132.913+/-81.547 χ^2/NDF: 139.1/73



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: 508.147+/-0.090 χ^2/NDF:429741.5/19

Left: 509.284+/-0.064 χ^2/NDF: 861171.2/39

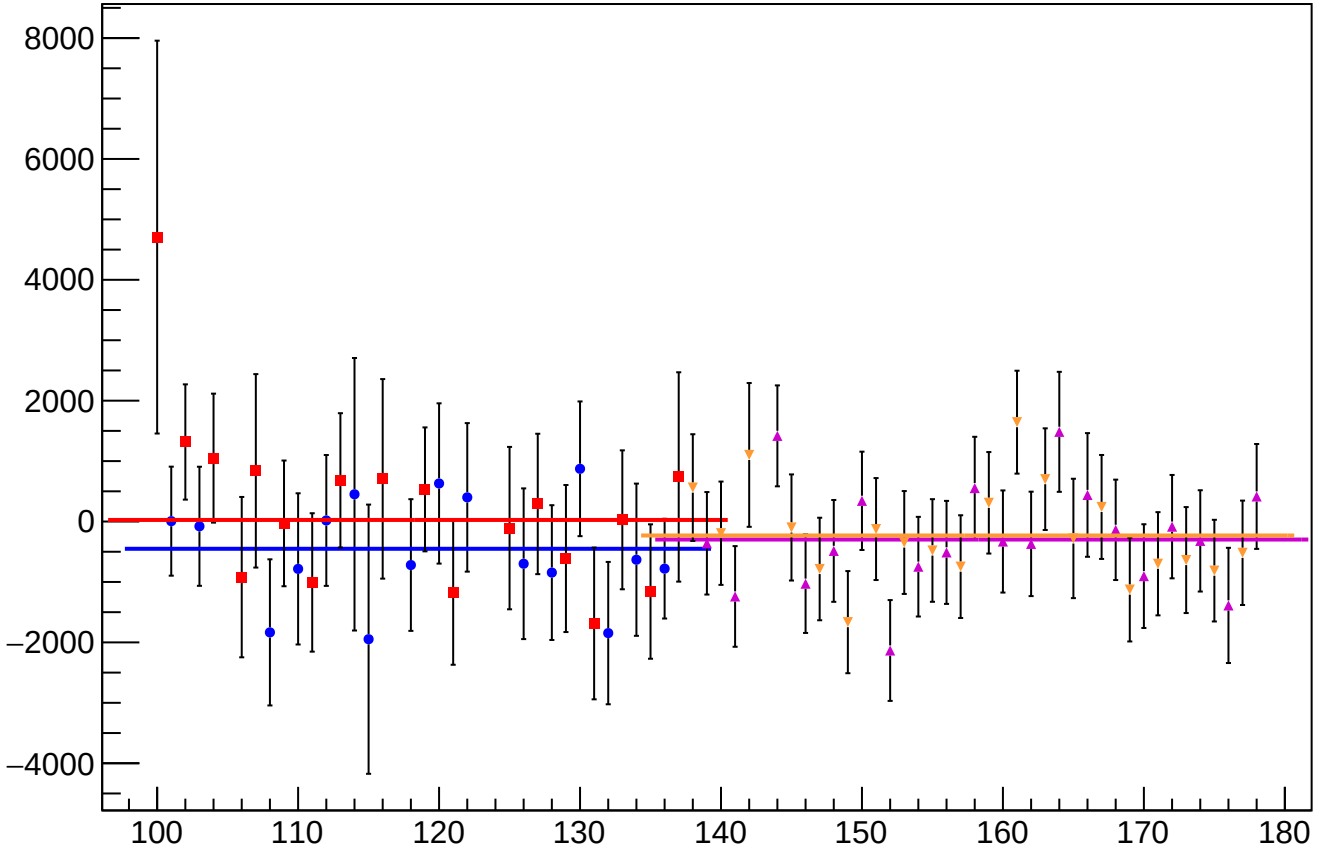
Right: 682.613+/-0.133 χ^2/NDF: 2338290.5/33

In: 541.369+/-0.081 χ^2/NDF:2204854.3/35

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

All: 542.067+/-0.058 χ^2/NDF: 4585224.2/73

eigen_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: -298.051+/-192.106 χ^2/NDF:19.5/19

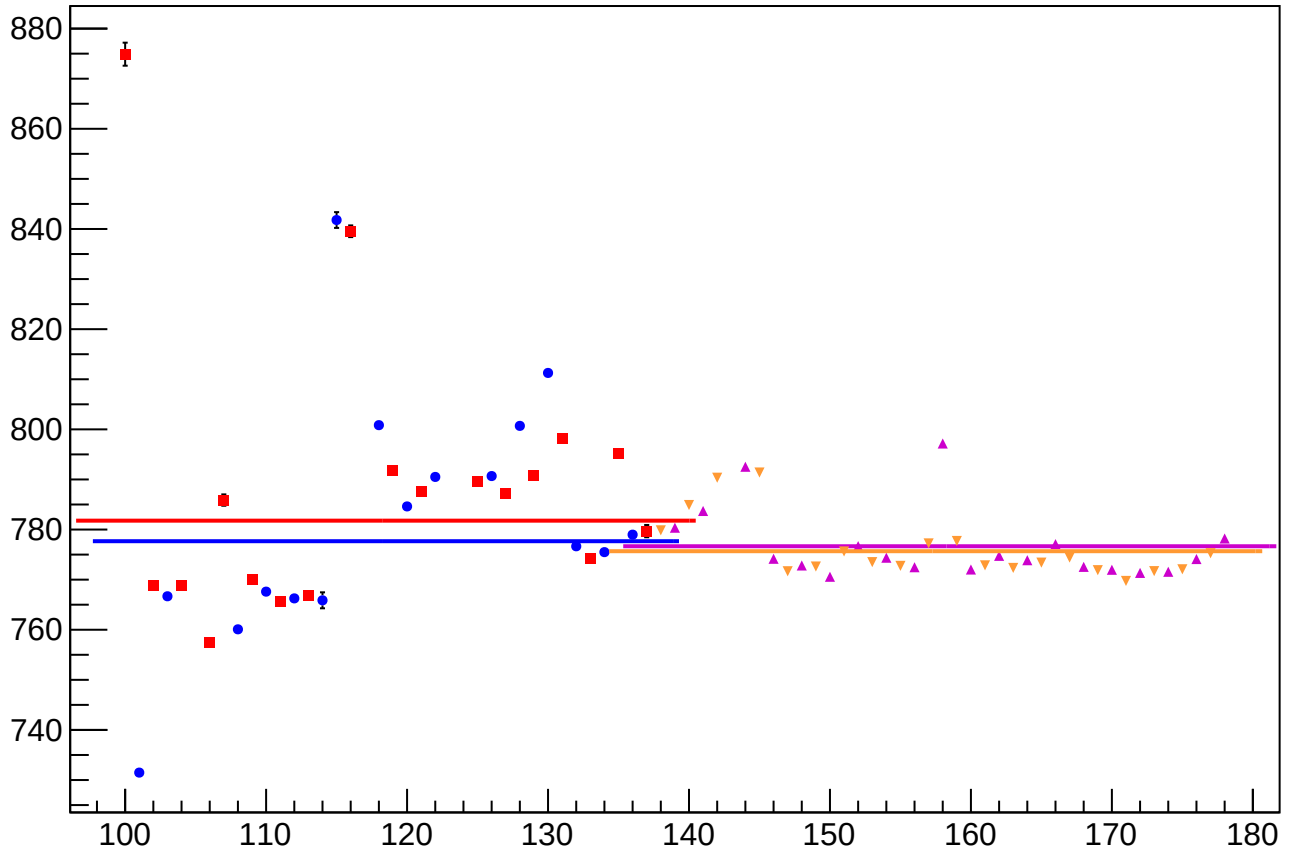
Left: -264.889+/-136.760 χ^2/NDF: 34.4/39

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

In: -344.919+/-159.977 χ^2/NDF:26.7/35

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

All: -248.400+/-113.597 χ^2/NDF: 54.5/73



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: 776.667+/-0.136 χ^2/NDF:2674.6/19

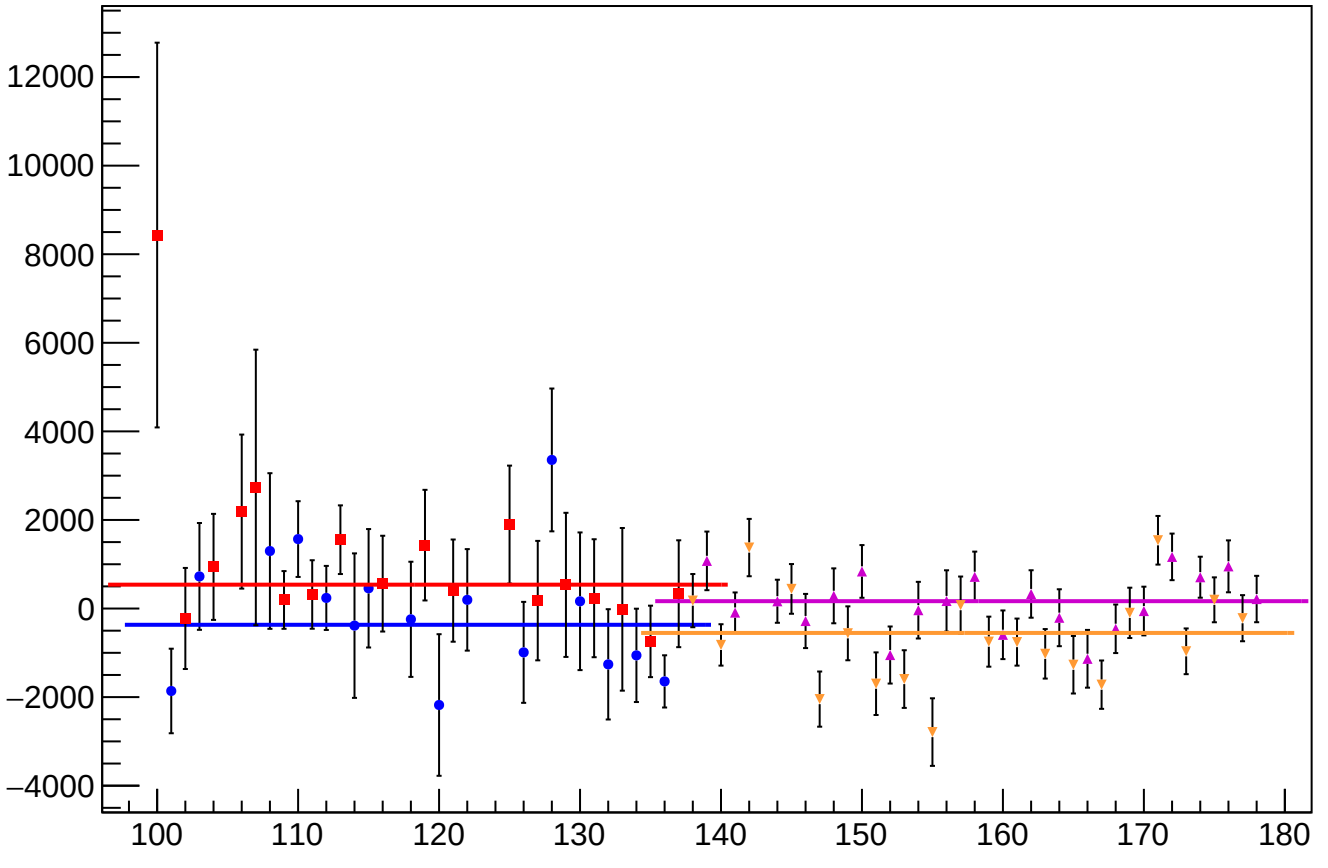
Left: 776.179+/-0.097 χ^2/NDF: 4331.1/39

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

In: 776.976+/-0.113 χ^2/NDF:14746.9/35

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

All: 777.281+/-0.080 χ^2/NDF: 24633.4/73



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: 166.219+/-126.447 χ^2/NDF:23.2/19

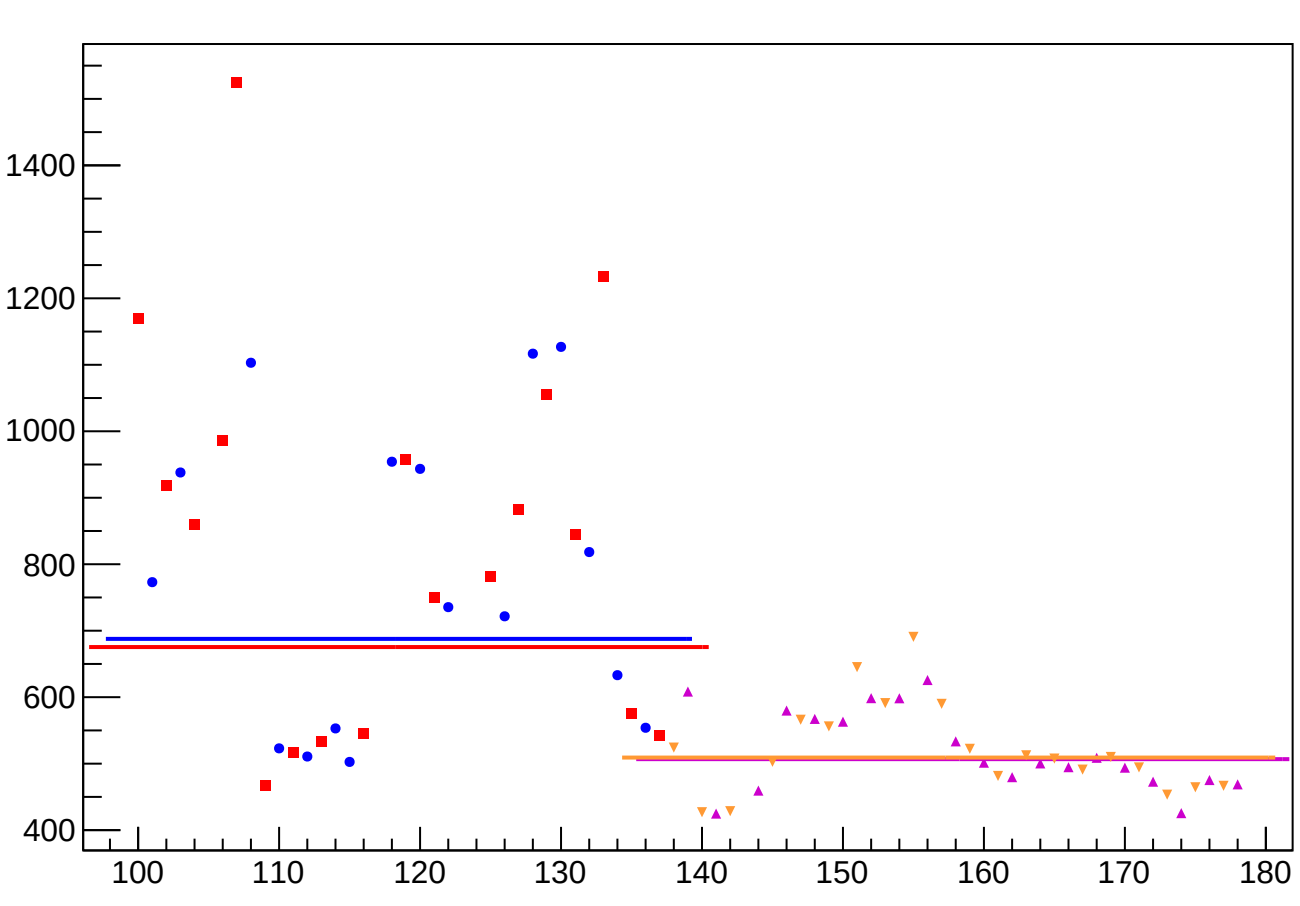
Left: -184.892+/-90.332 χ^2/NDF: 98.4/39

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

In: 68.354+/-114.256 χ^2/NDF:49.8/35

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

All: -132.529+/-81.358 χ^2/NDF: 141.0/73



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: 506.790+/-0.089 χ^2/NDF:435305.0/19

Left: 507.954+/-0.064 χ^2/NDF: 871465.9/39

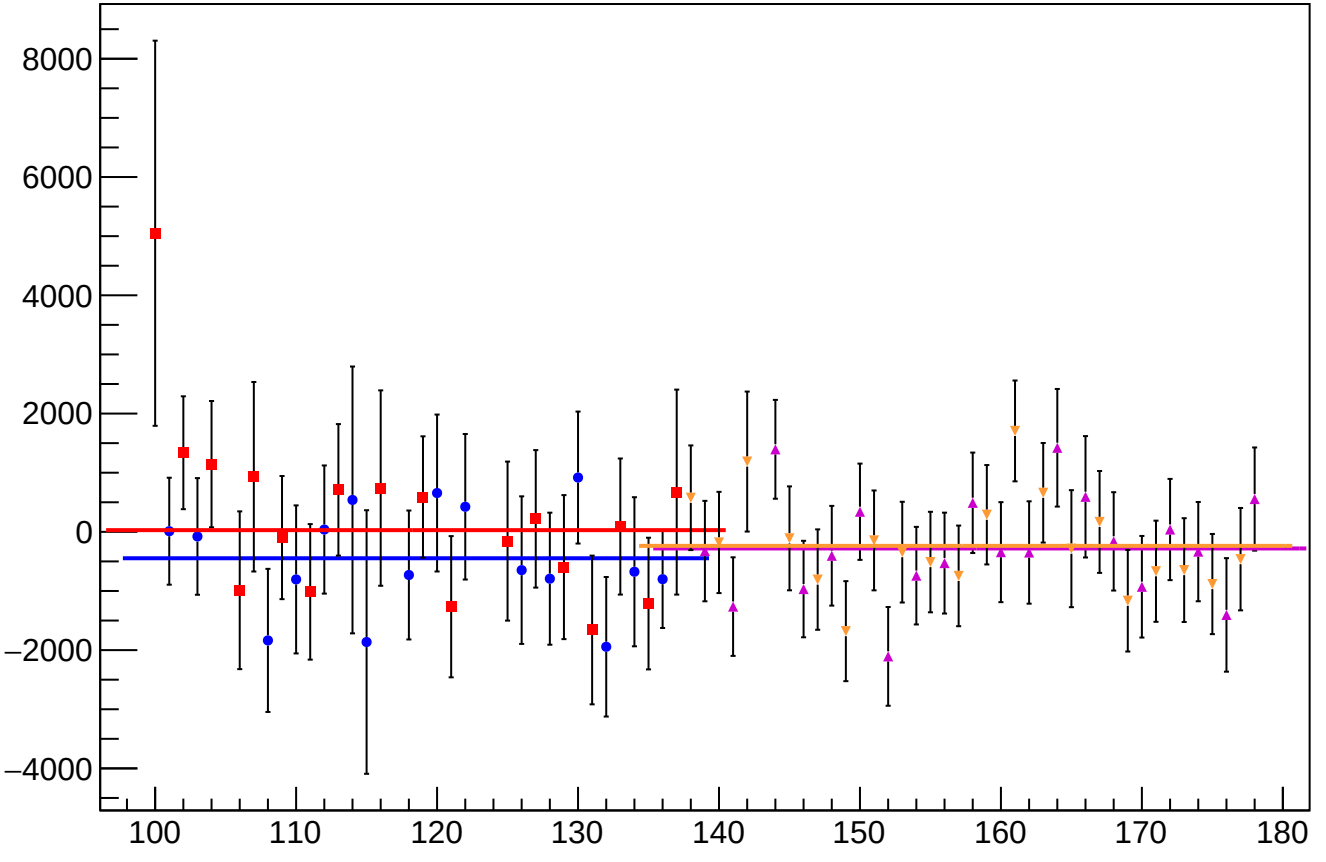
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 539.996+/-0.081 χ^2/NDF:2218720.1/35

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

All: 540.719+/-0.058 χ^2/NDF: 4612019.6/73

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: -280.919+/-192.382 χ^2/NDF:19.4/19

Left: -259.283+/-136.945 χ^2/NDF: 34.8/39

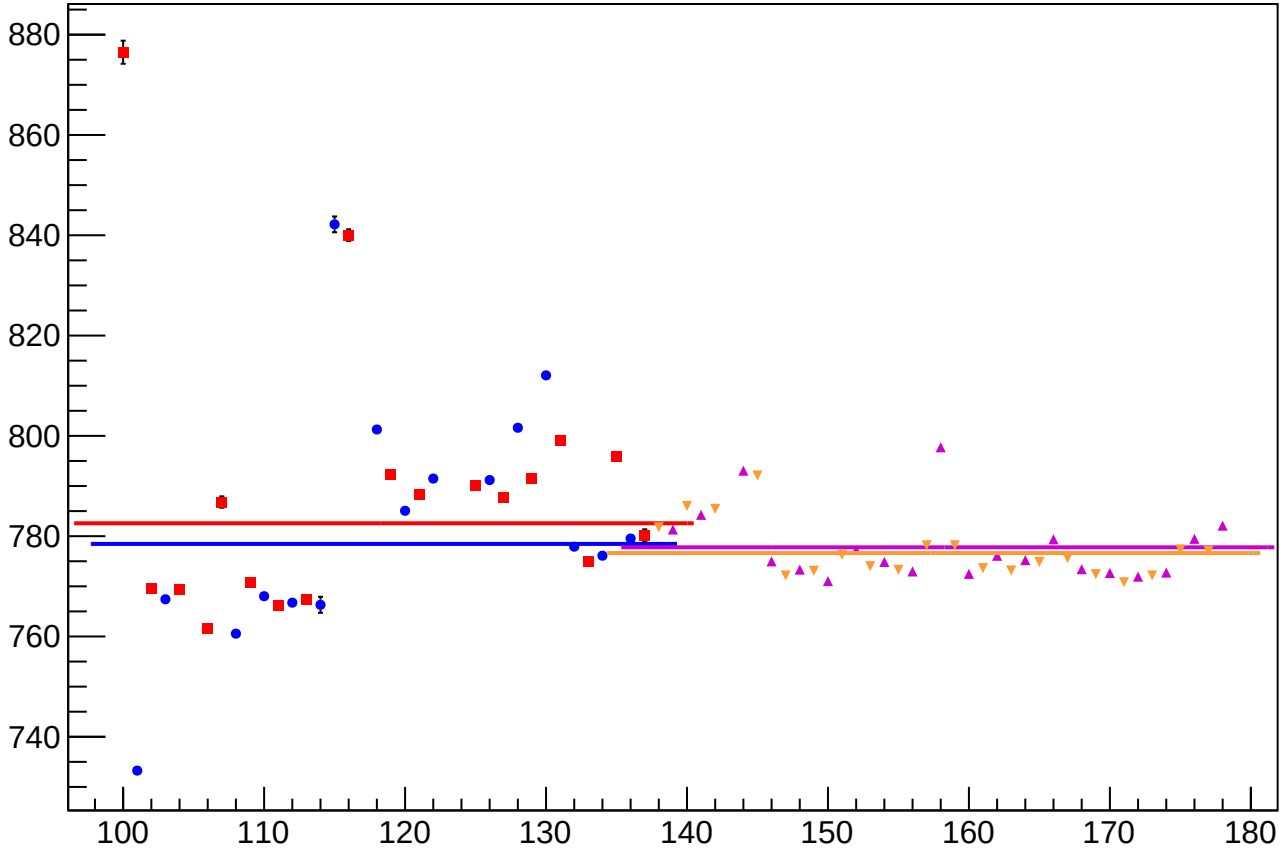
Right: -208.223+/-204.216 χ^2/NDF: 21.3/33

In: -331.753+/-160.185 χ^2/NDF:26.9/35

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

All: -243.444+/-113.738 χ^2/NDF: 56.2/73

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: 777.779+/-0.136 χ^2/NDF:2682.9/19

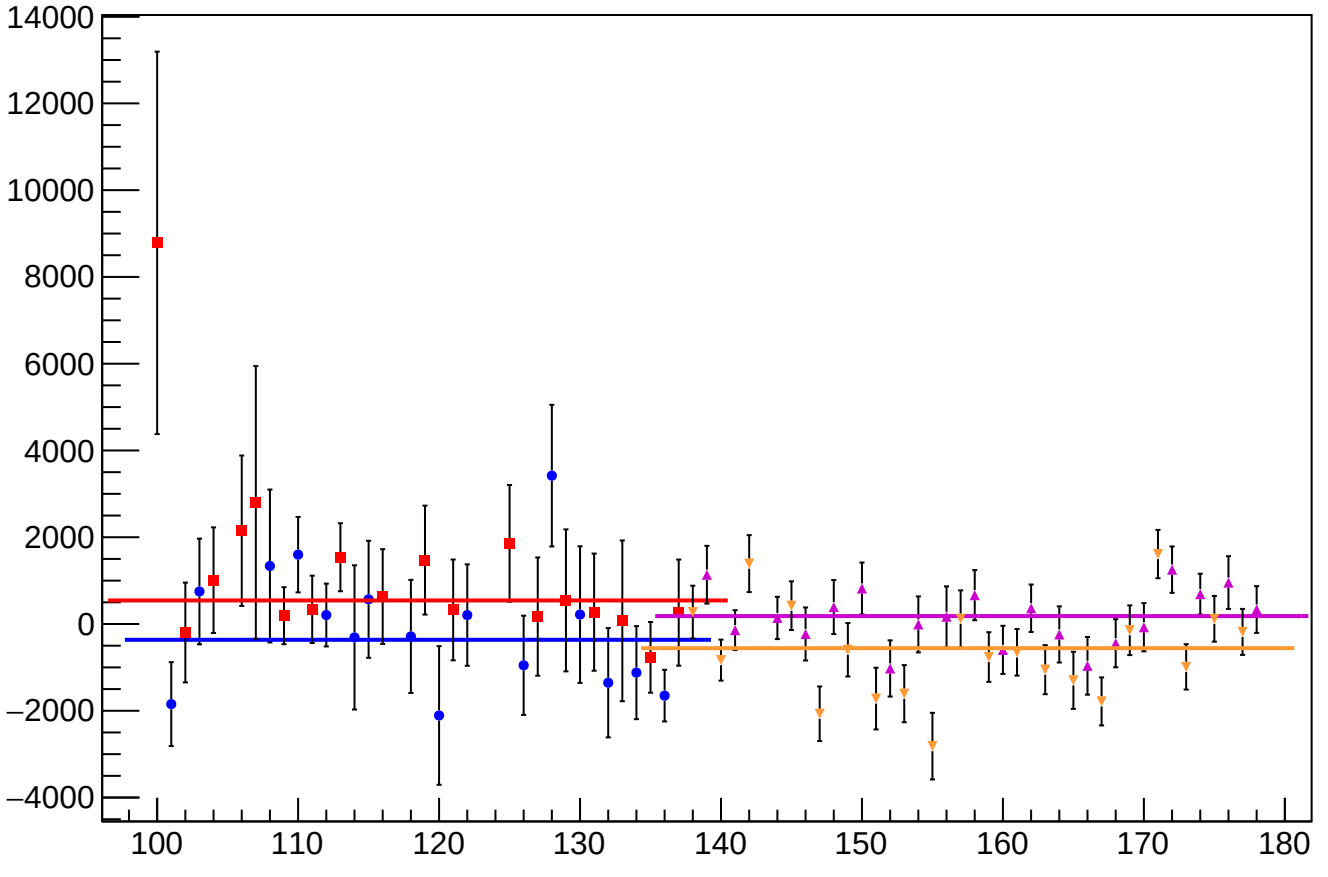
Left: 777.216+/-0.097 χ^2/NDF: 4172.4/39

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

In: 777.986+/-0.113 χ^2/NDF:14485.7/35

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

All: 778.241+/-0.080 χ^2/NDF: 24014.1/73



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: 182.377+/-128.023 χ^2/NDF:22.4/19

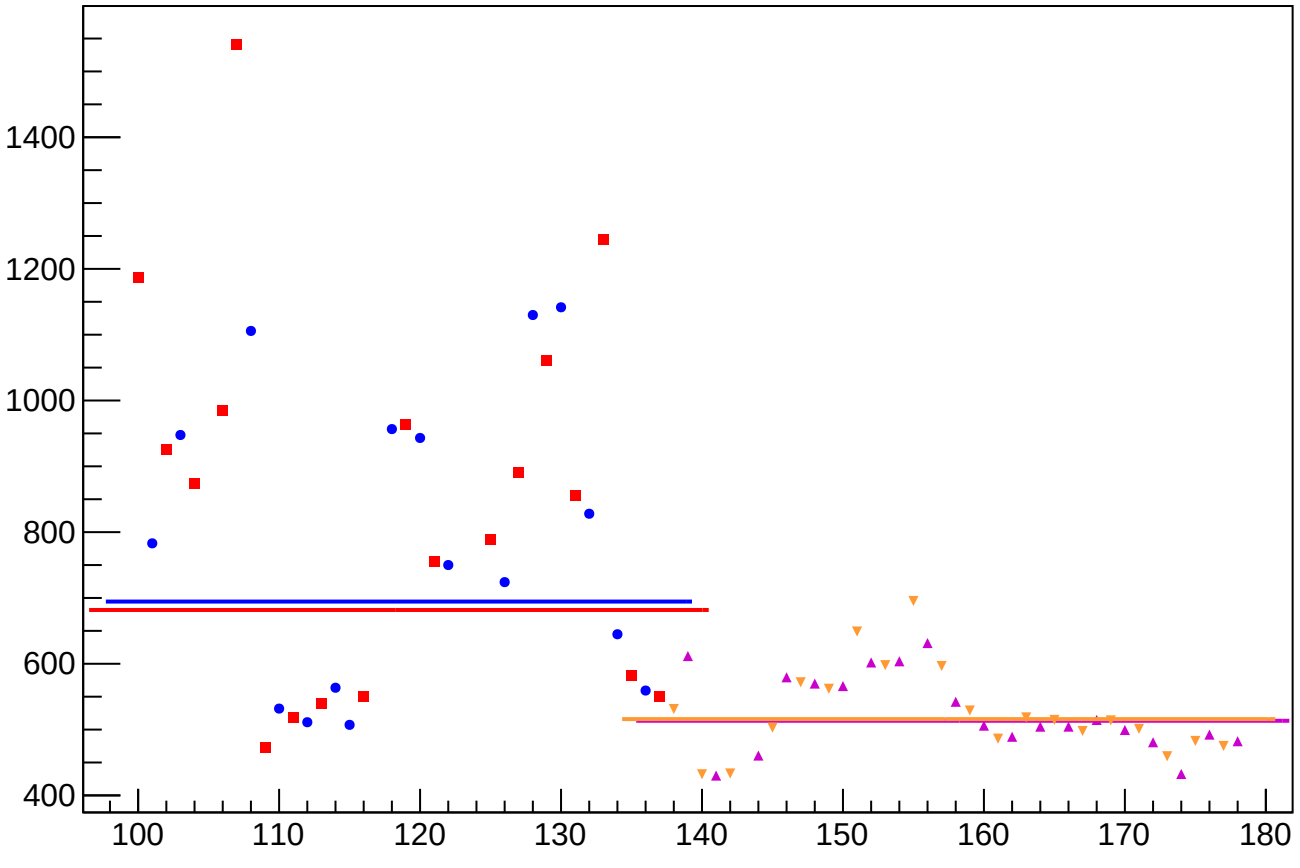
Left: -179.451+/-91.476 χ^2/NDF: 99.1/39

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

In: 81.672+/-115.624 χ^2/NDF:49.0/35

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

All: -127.108+/-82.338 χ^2/NDF: 141.7/73



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: 513.392+/-0.091 χ^2/NDF:409090.5/19

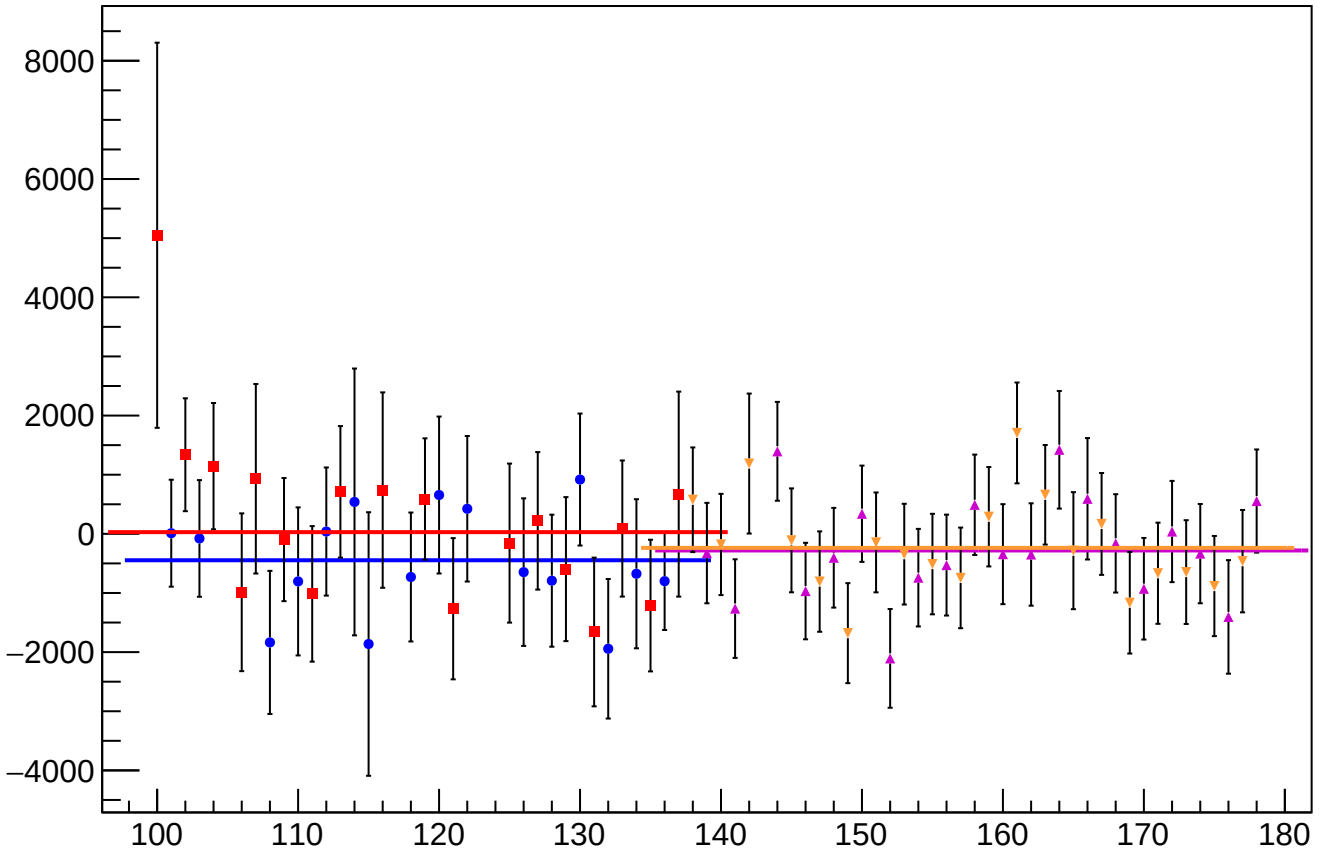
Left: 514.629+/-0.065 χ^2/NDF: 828035.0/39

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

In: 546.778+/-0.082 χ^2/NDF:2176896.3/35

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

All: 547.544+/-0.058 χ^2/NDF: 4535719.1/73



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: -280.919+/-192.382 χ^2/NDF:19.4/19

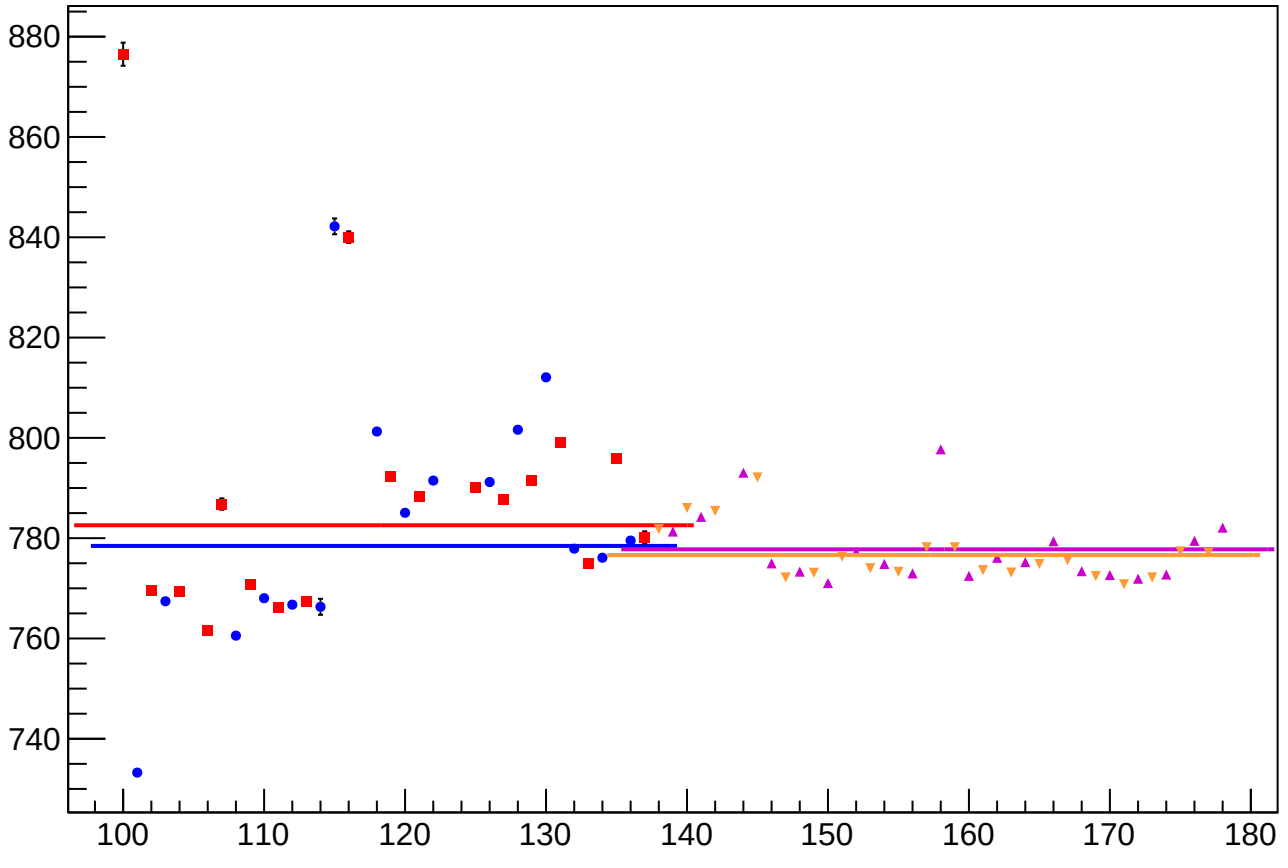
Left: -259.284+/-136.945 χ^2/NDF: 34.8/39

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

In: -331.753+/-160.185 χ^2/NDF:26.9/35

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

All: -243.445+/-113.738 χ^2/NDF: 56.2/73



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: 777.779+/-0.136 χ^2/NDF:2682.9/19

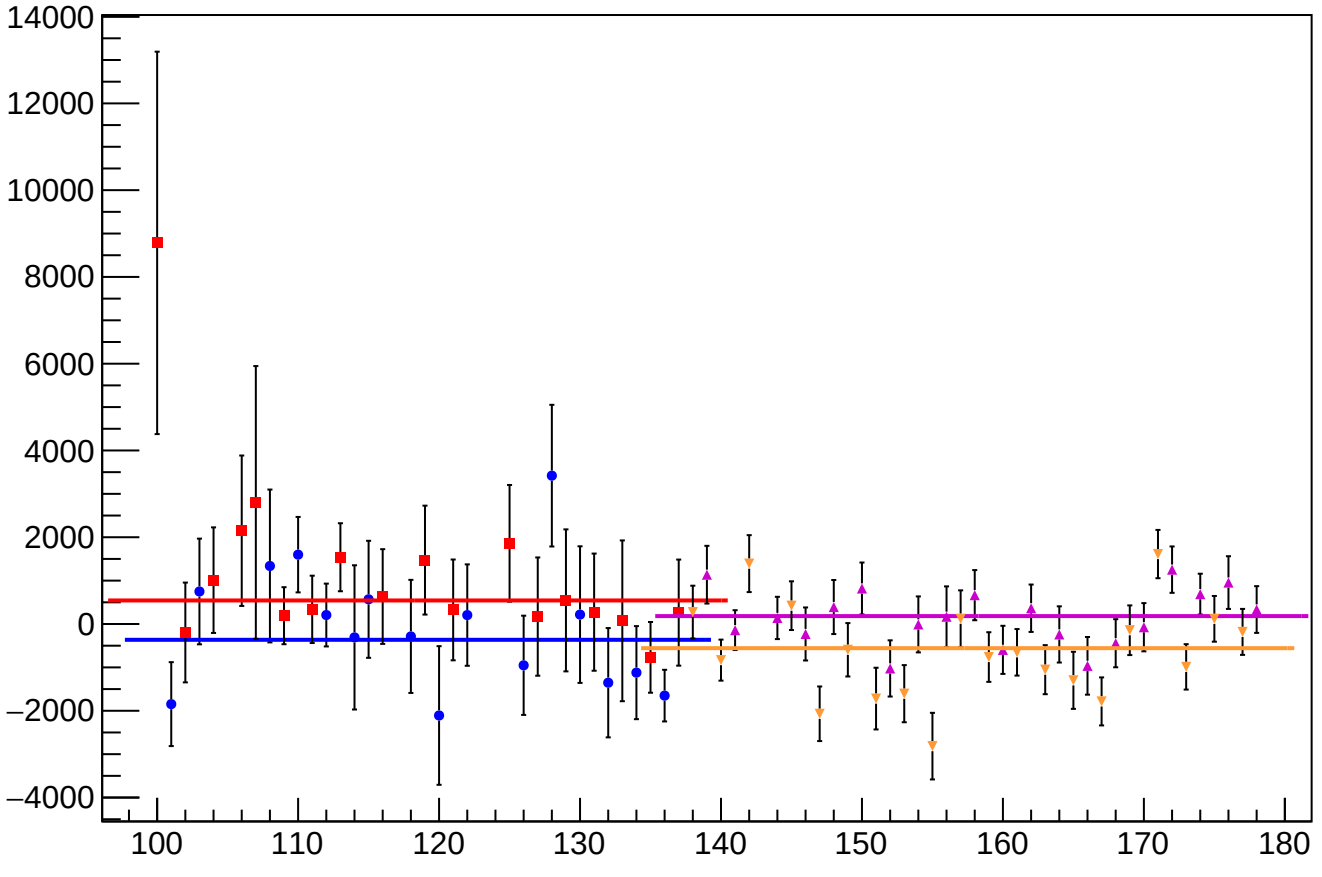
Left: 777.216+/-0.097 χ^2/NDF: 4172.4/39

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

In: 777.986+/-0.113 χ^2/NDF:14485.7/35

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

All: 778.241+/-0.080 χ^2/NDF: 24014.0/73



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: 182.376+/-128.023 χ^2/NDF:22.4/19

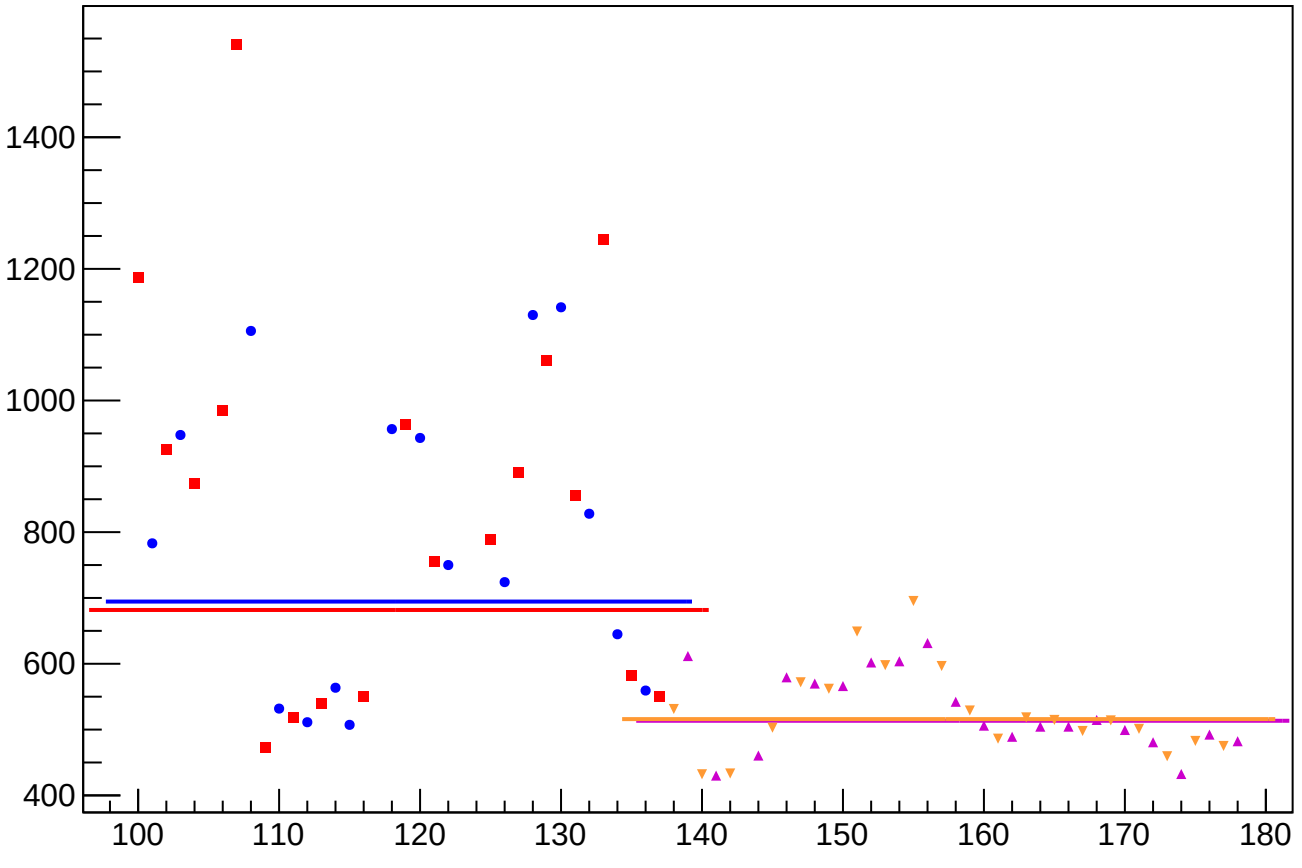
Left: -179.451+/-91.476 χ^2/NDF: 99.1/39

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

In: 81.672+/-115.624 χ^2/NDF:49.0/35

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

All: -127.108+/-82.338 χ^2/NDF: 141.7/73



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: 513.392+/-0.091 χ^2/NDF:409103.6/19

Left: 514.629+/-0.065 χ^2/NDF: 828059.6/39

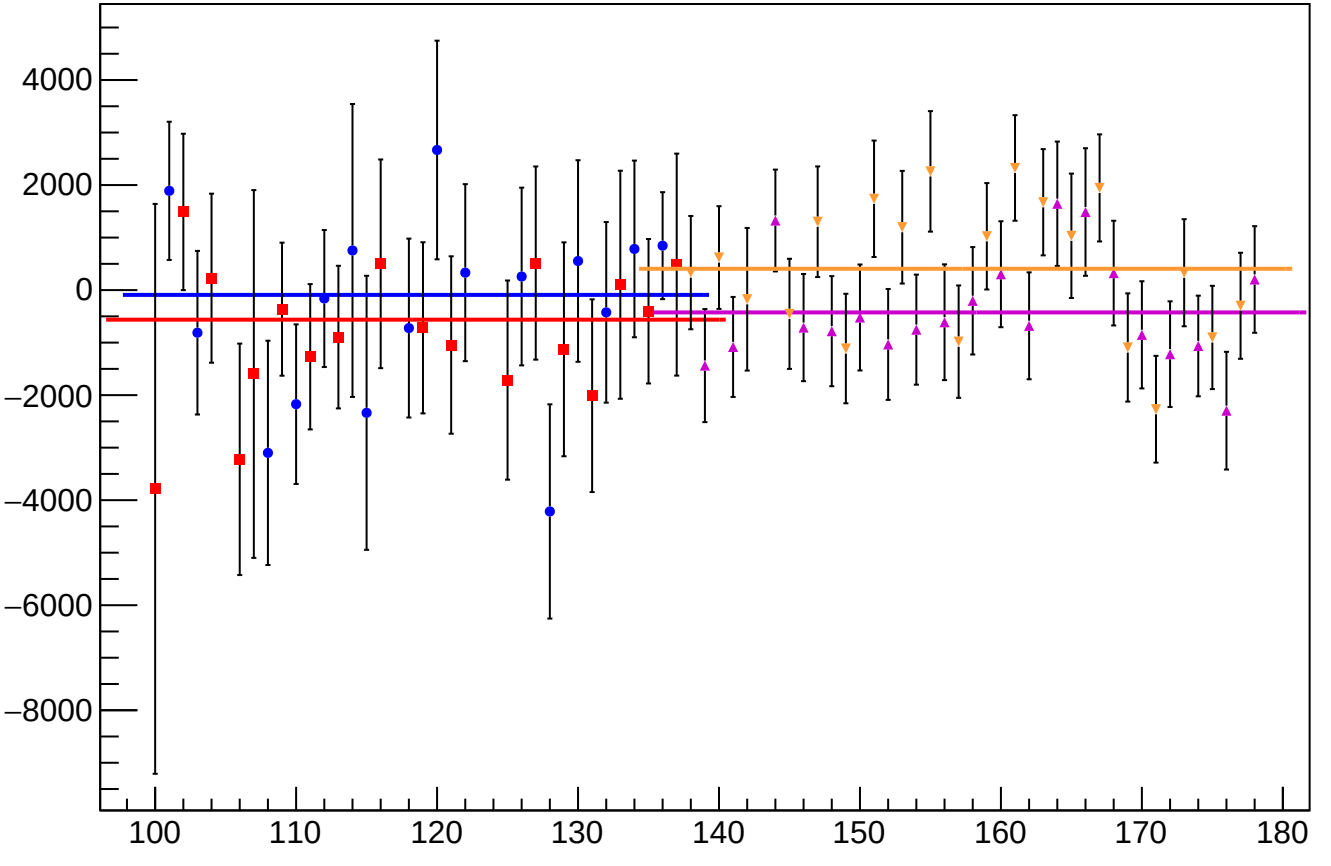
Right: 688.033+/-0.134 χ^2/NDF: 2343525.0/33

In: 546.778+/-0.082 χ^2/NDF:2176897.4/35

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

All: 547.544+/-0.058 χ^2/NDF: 4535729.9/73

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: -424.958+/-231.742 χ^2/NDF:16.4/19

Left: -16.546+/-165.253 χ^2/NDF: 52.2/39

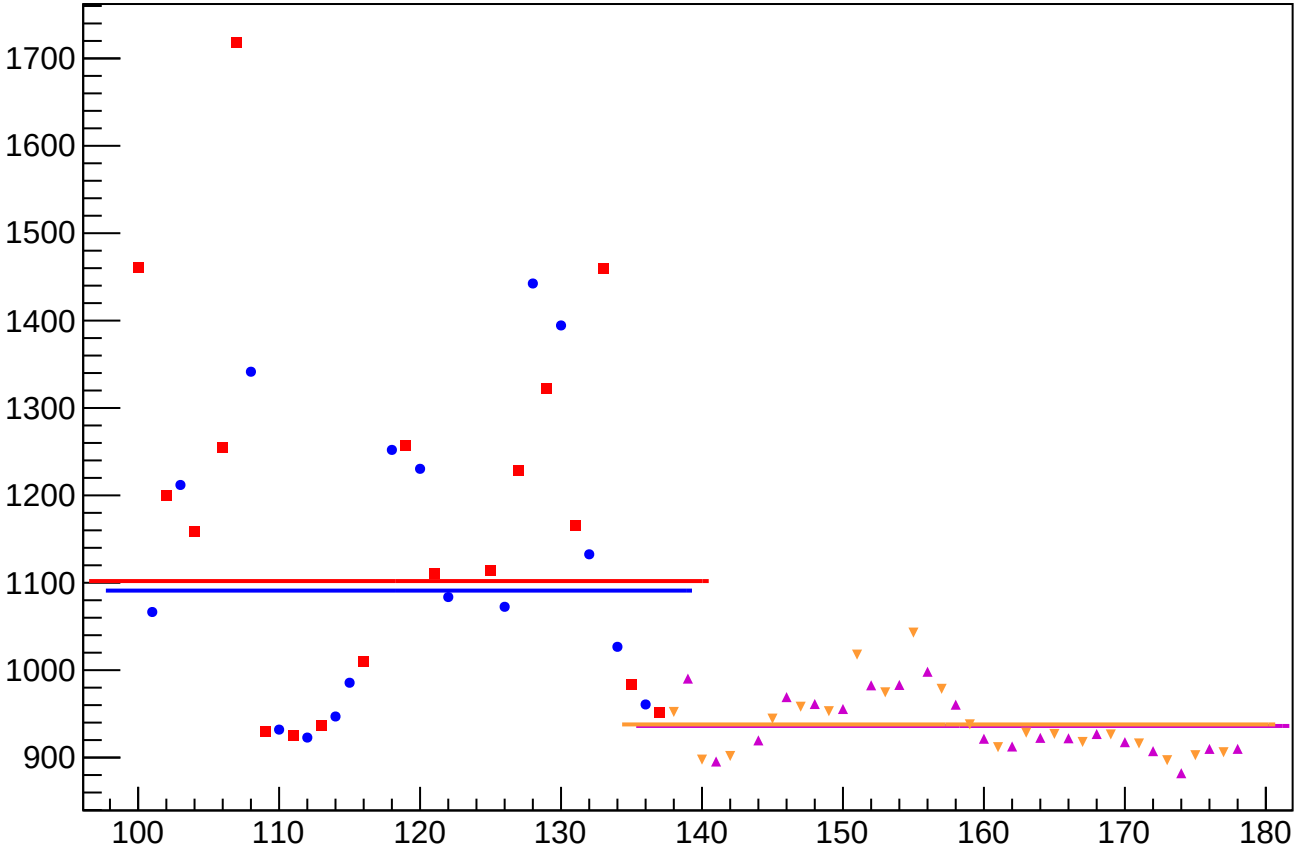
Right: -326.374+/-290.450 χ^2/NDF: 21.7/33

In: -344.159+/-201.740 χ^2/NDF:31.5/35

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

All: -92.314+/-143.633 χ^2/NDF: 74.8/73

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: 936.161+/-0.164 χ^2/NDF:41935.2/19

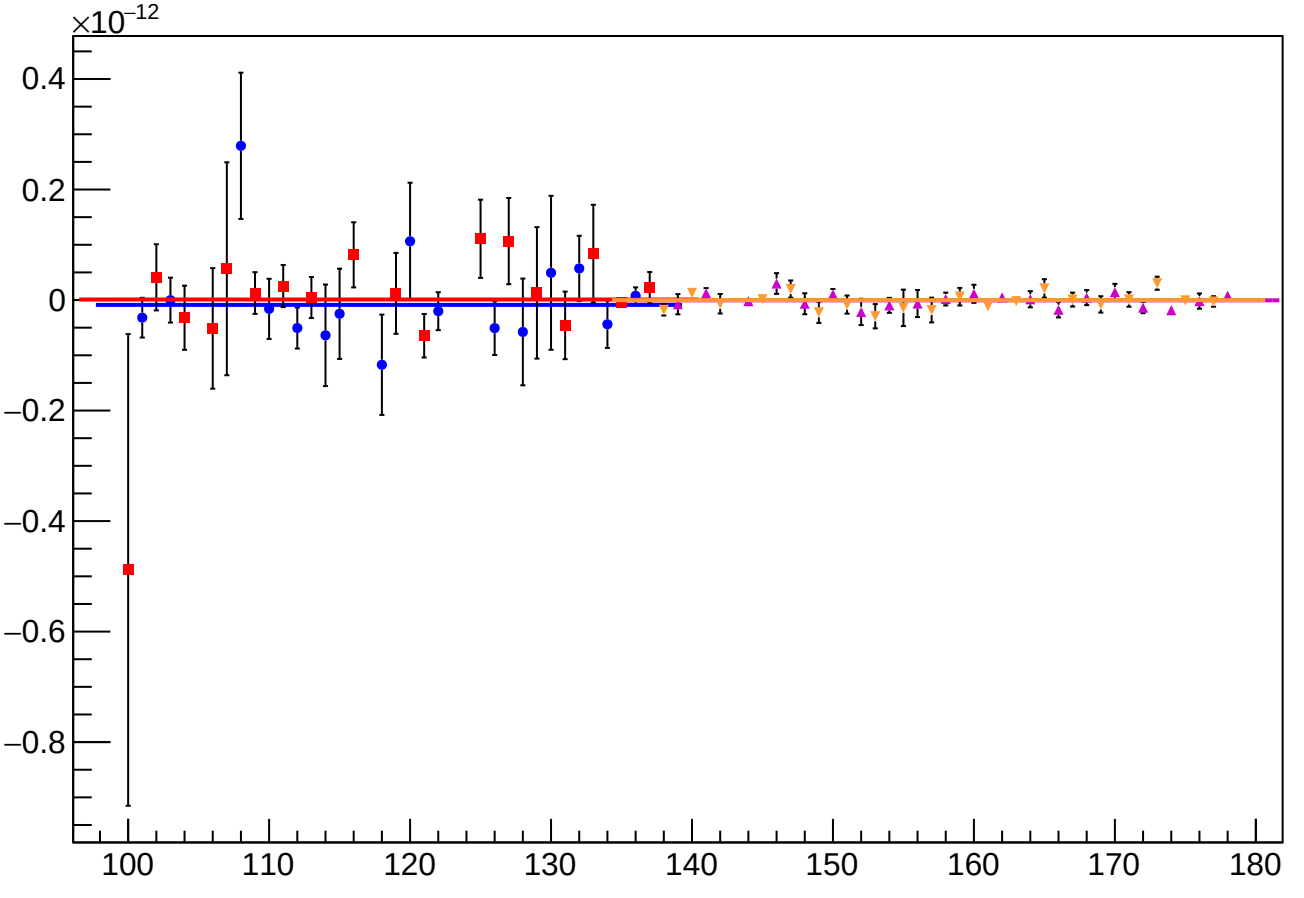
Left: 937.019+/-0.117 χ^2/NDF: 92185.1/39

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

In: 973.667+/-0.143 χ^2/NDF:535572.0/35

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

All: 976.014+/-0.102 χ^2/NDF: 1153686.6/73



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:18.6/19

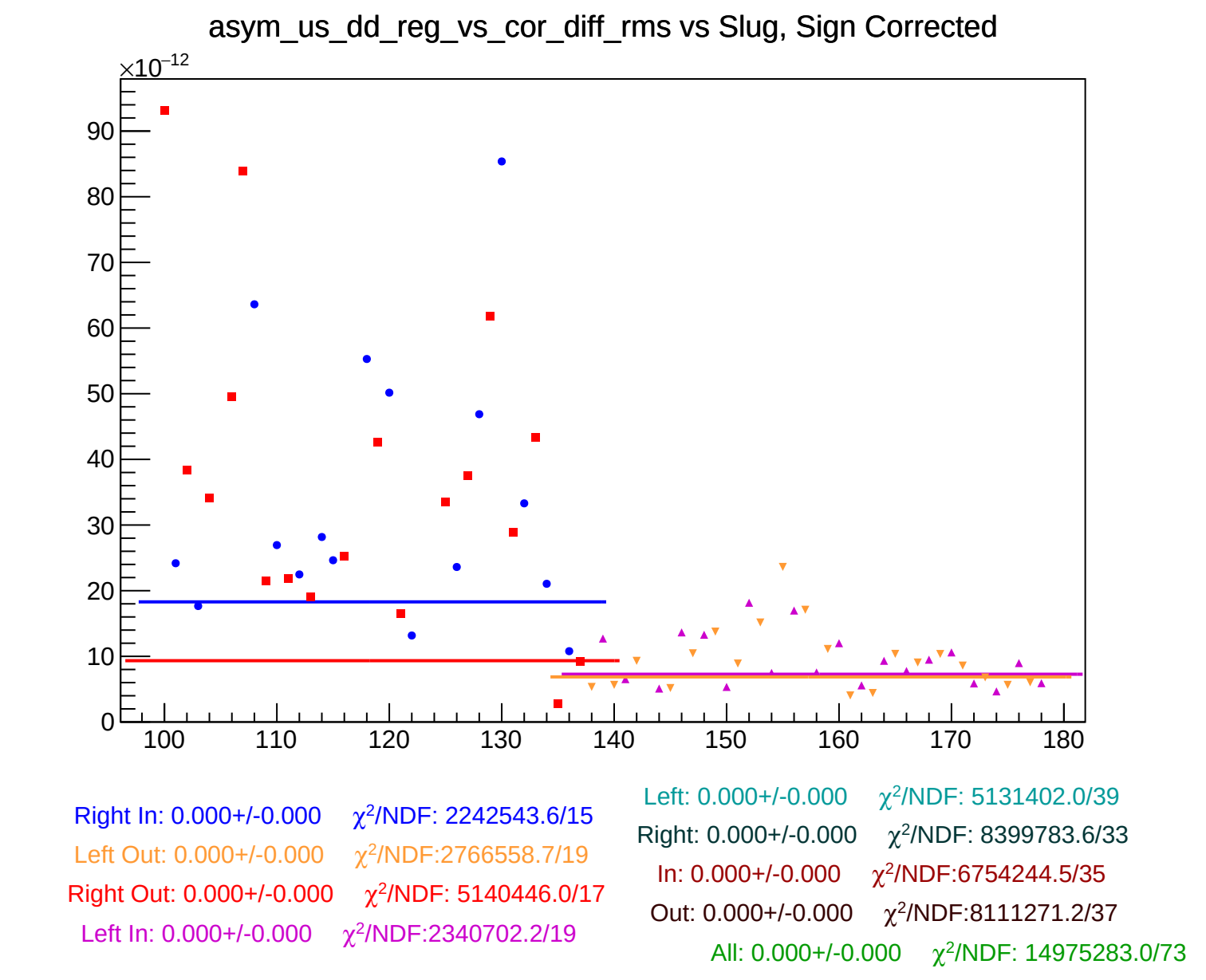
Left: -0.000+/-0.000 χ^2/NDF: 41.3/39

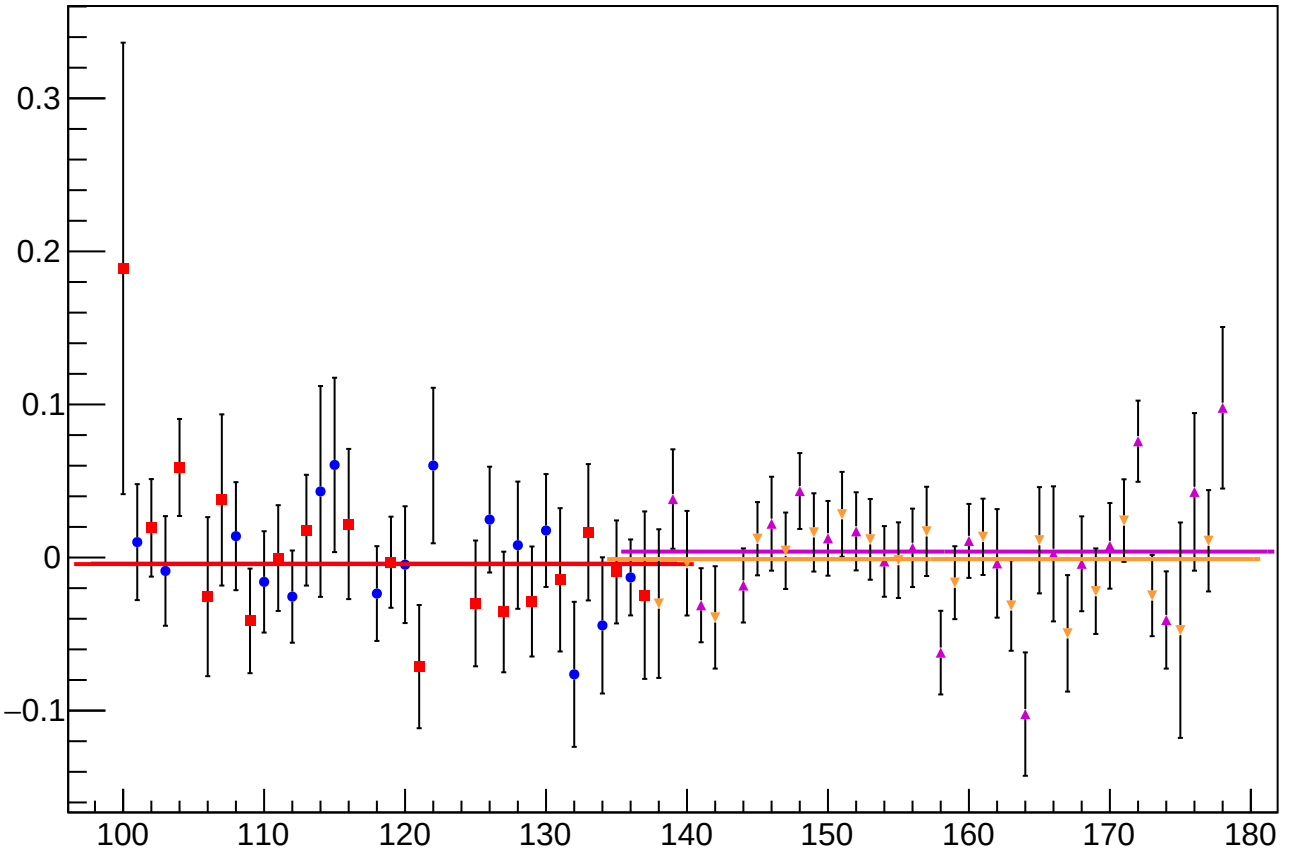
Right: -0.000+/-0.000 χ^2/NDF: 28.8/33

In: -0.000+/-0.000 χ^2/NDF:33.0/35

Out: -0.000+/-0.000 χ^2/NDF:37.0/37

All: -0.000+/-0.000 χ^2/NDF: 70.1/73


asym_us_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2242543.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2766558.7/19
Right Out: 0.000+/-0.000 χ²/NDF: 5140446.0/17
Left In: 0.000+/-0.000 χ²/NDF:2340702.2/19
Left: 0.000+/-0.000 χ²/NDF: 5131402.0/39
Right: 0.000+/-0.000 χ²/NDF: 8399783.6/33
In: 0.000+/-0.000 χ²/NDF:6754244.5/35
Out: 0.000+/-0.000 χ²/NDF:8111271.2/37
All: 0.000+/-0.000 χ²/NDF: 14975283.0/73



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: 0.004+/-0.006 χ^2/NDF:33.5/19

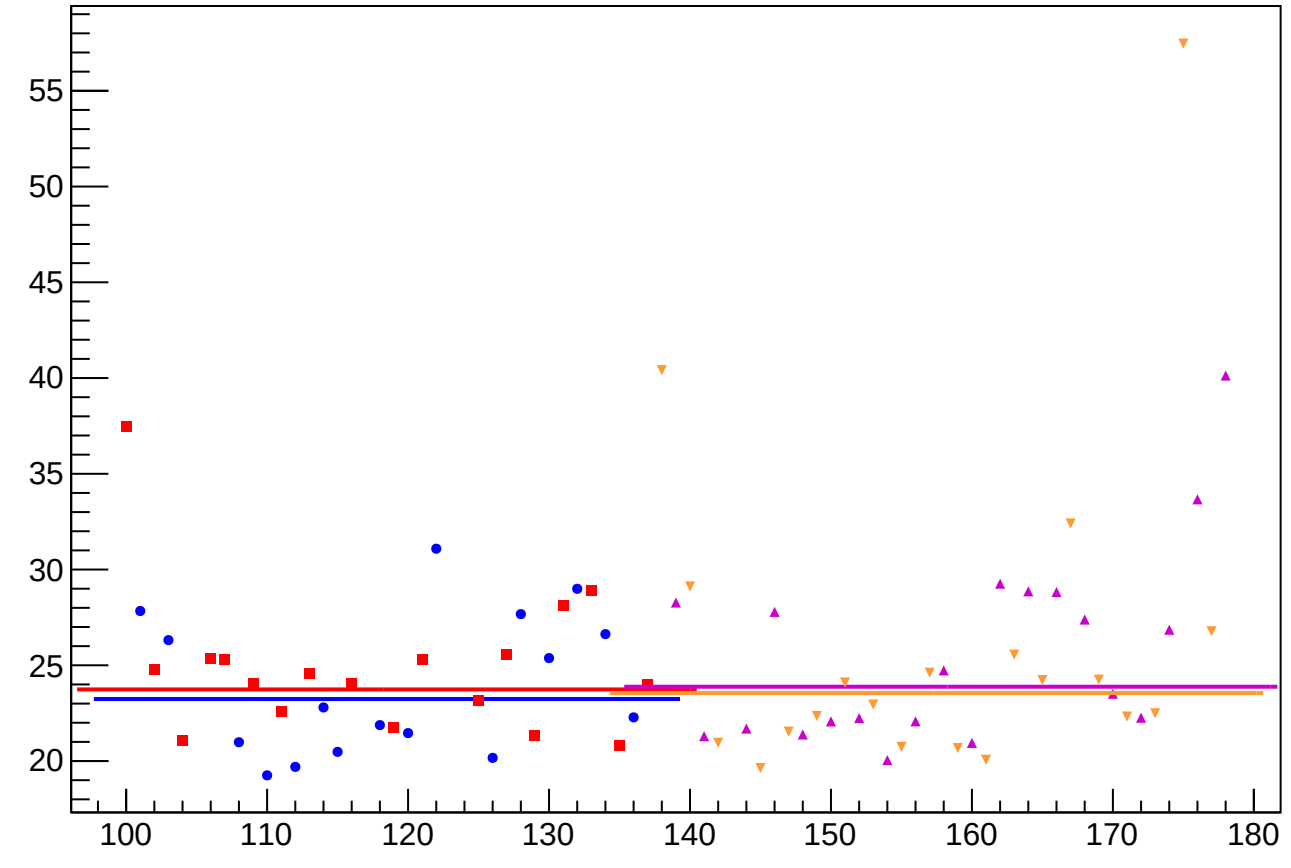
Left: 0.001+/-0.005 χ^2/NDF: 44.4/39

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

In: 0.001+/-0.005 χ^2/NDF:43.2/35

Out: -0.002+/-0.005 χ^2/NDF:24.2/37

All: -0.000+/-0.004 χ^2/NDF: 67.6/73



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: 23.881+/-0.005 χ^2/NDF:658874.7/19

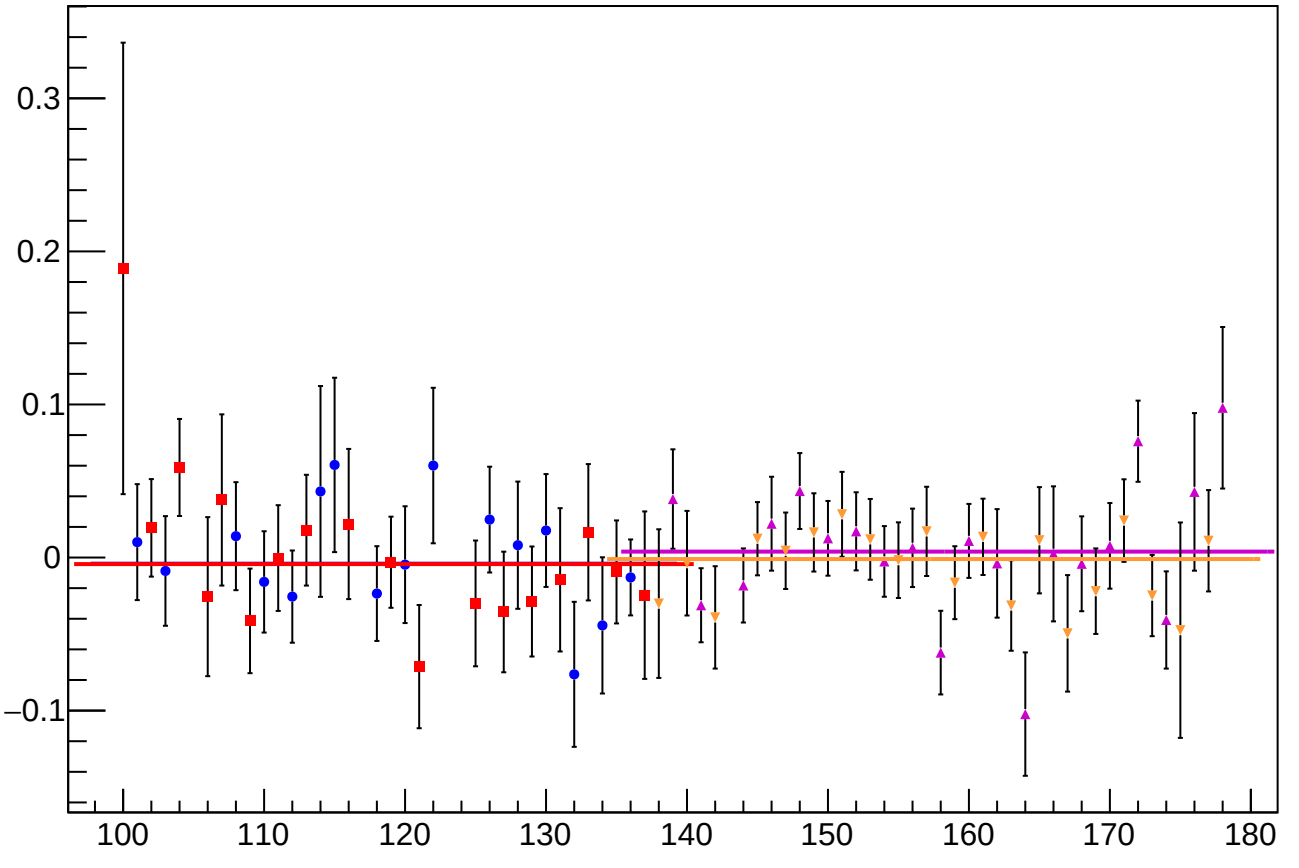
Left: 23.717+/-0.003 χ^2/NDF: 1747609.0/39

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

In: 23.672+/-0.004 χ^2/NDF:924613.7/35

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

All: 23.642+/-0.003 χ^2/NDF: 2137591.9/73



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: 0.004+/-0.006 χ^2/NDF:33.5/19

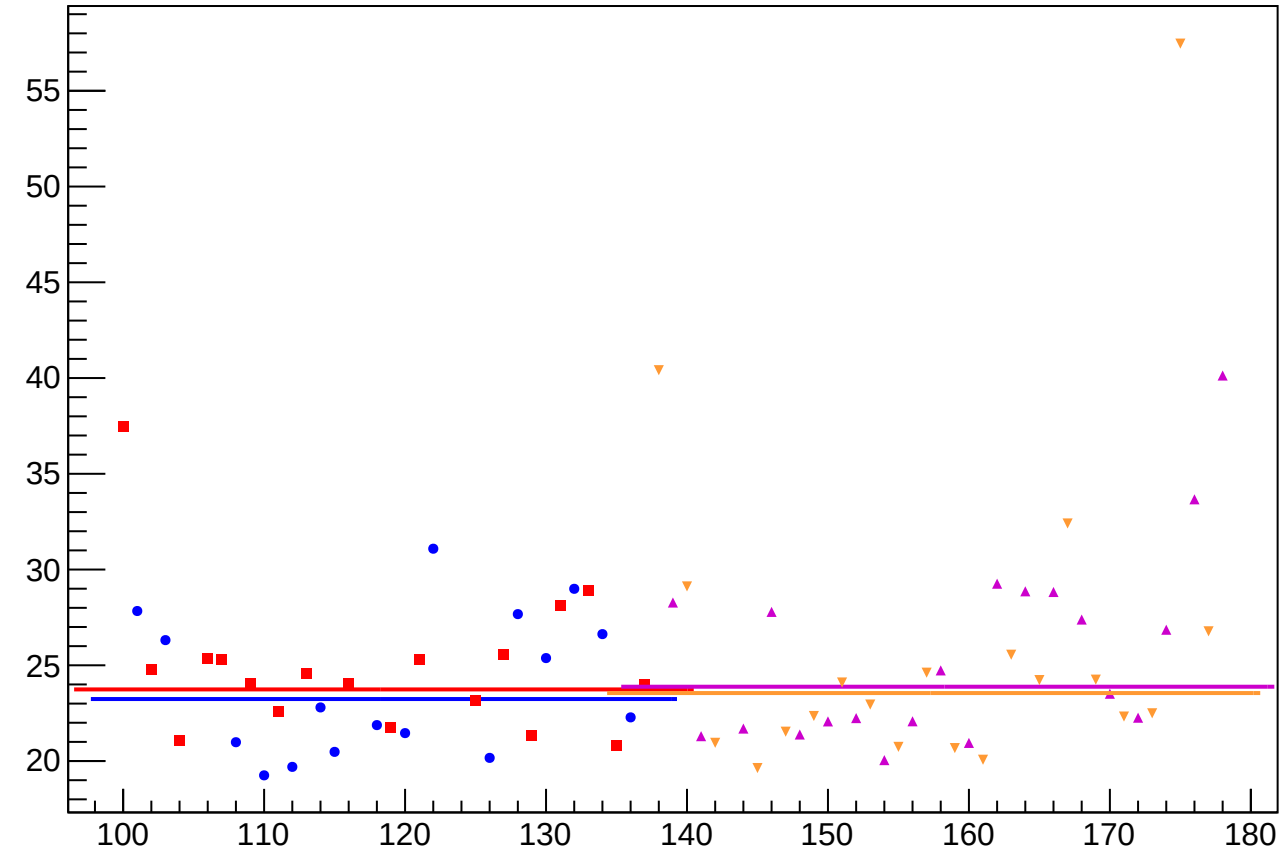
Left: 0.001+/-0.005 χ^2/NDF: 44.4/39

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

In: 0.001+/-0.005 χ^2/NDF:43.2/35

Out: -0.002+/-0.005 χ^2/NDF:24.2/37

All: -0.000+/-0.004 χ^2/NDF: 67.6/73



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: 23.881+/-0.005 χ^2/NDF:658874.7/19

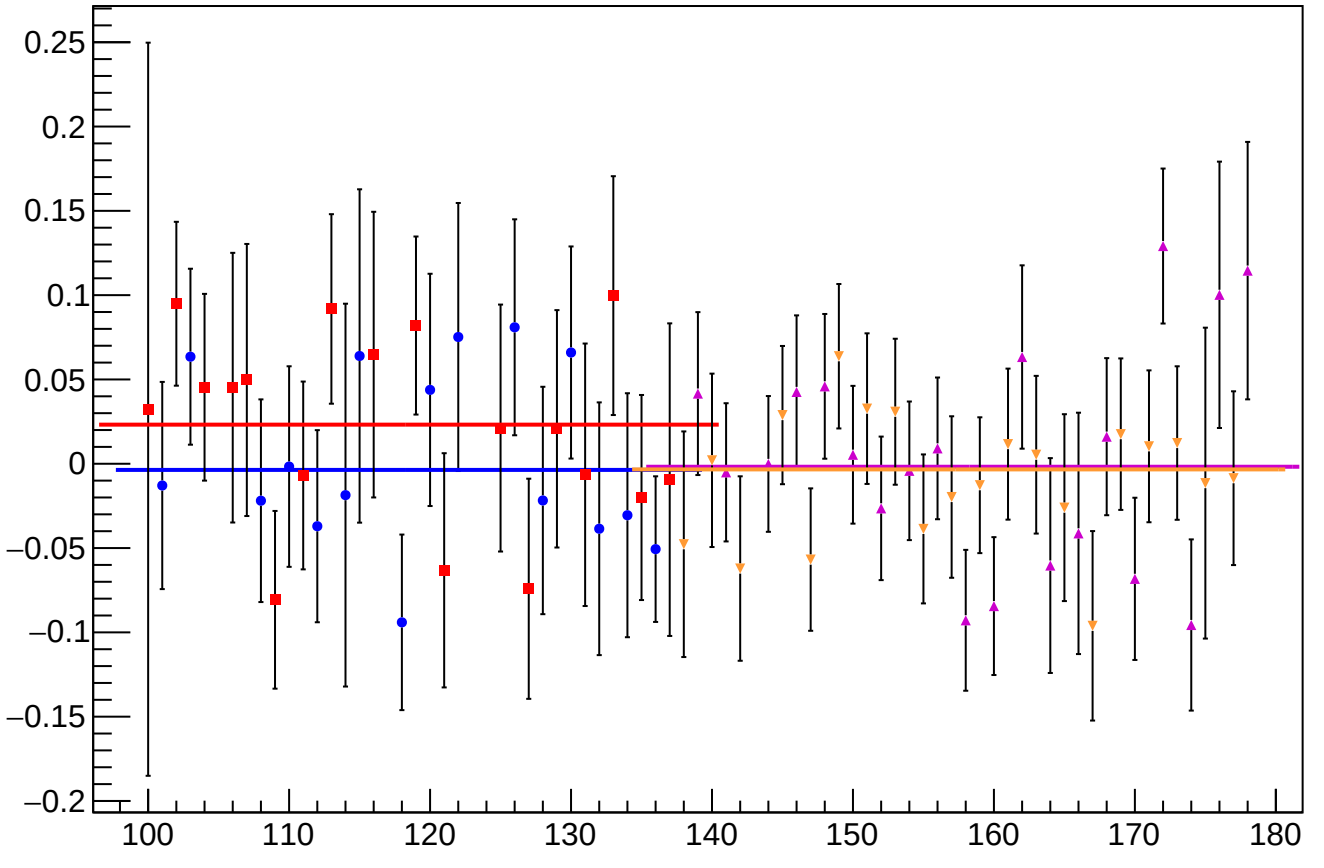
Left: 23.717+/-0.003 χ^2/NDF: 1747609.0/39

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

In: 23.672+/-0.004 χ^2/NDF:924613.7/35

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

All: 23.642+/-0.003 χ^2/NDF: 2137591.9/73



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: -0.002+/-0.011 χ^2/NDF:32.4/19

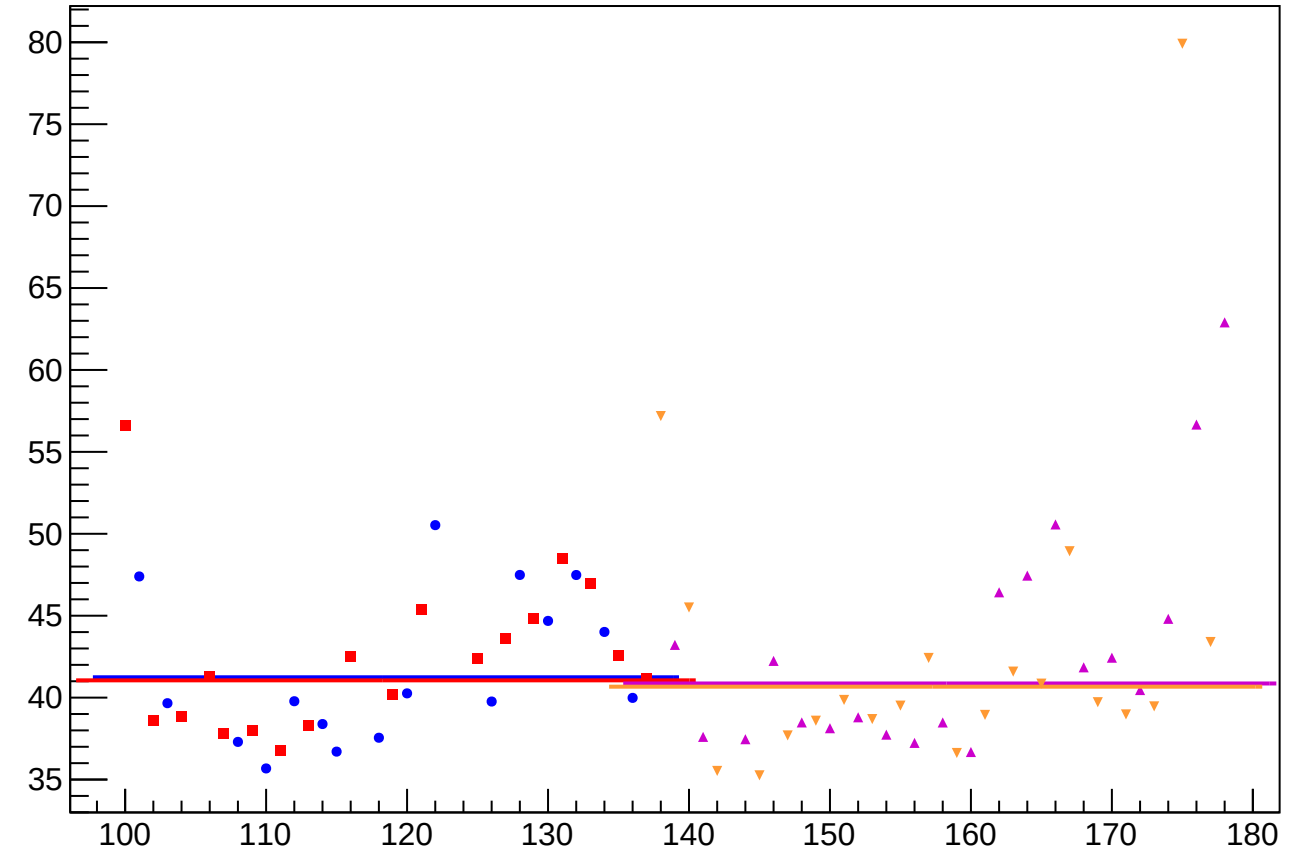
Left: -0.003+/-0.007 χ^2/NDF: 44.3/39

Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.002+/-0.009 χ^2/NDF:44.1/35

Out: 0.005+/-0.009 χ^2/NDF:29.2/37

All: 0.001+/-0.006 χ^2/NDF: 73.7/73



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: 40.863+/-0.007 χ^2/NDF:448248.4/19

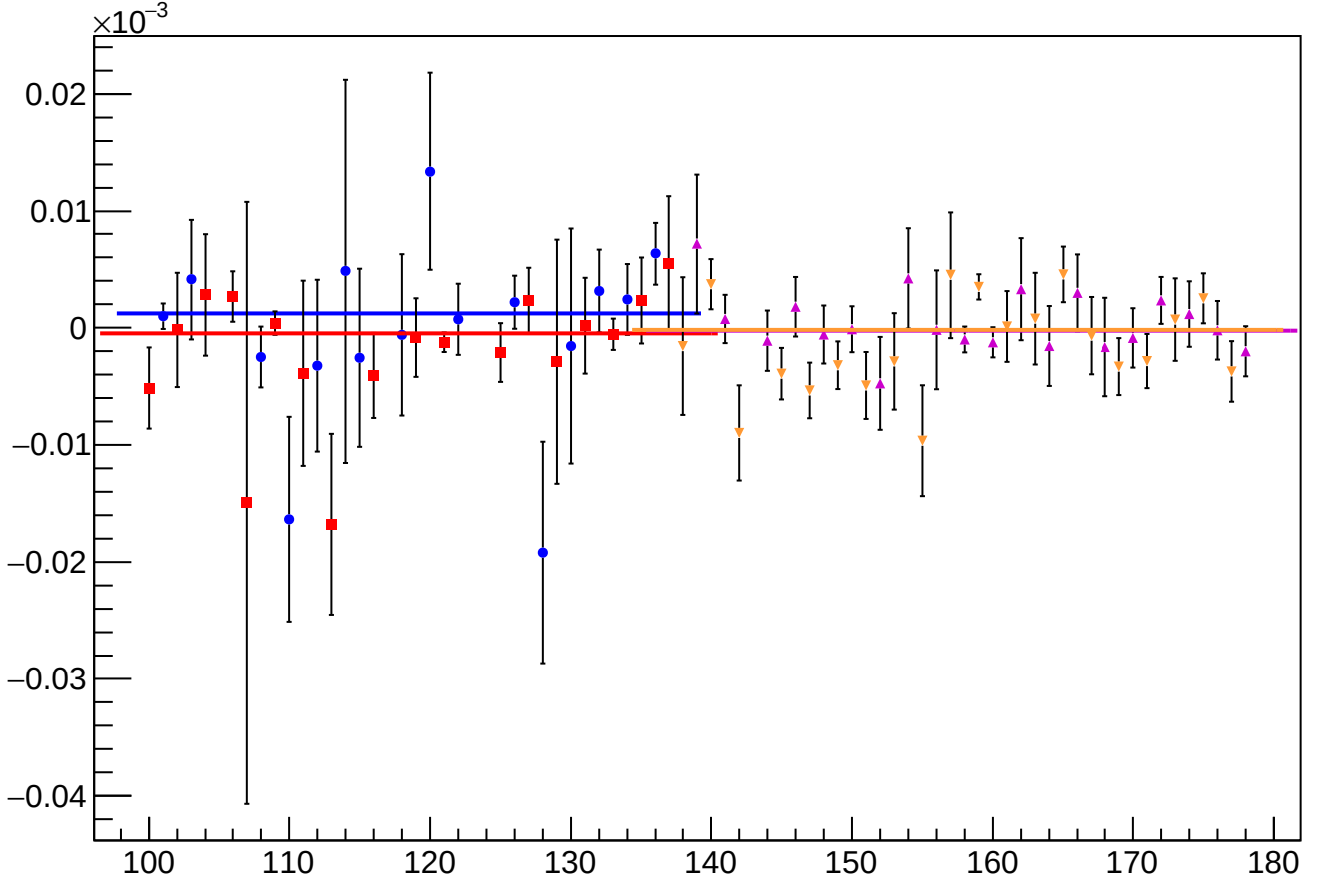
Left: 40.767+/-0.005 χ^2/NDF: 1104456.7/39

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

In: 40.980+/-0.006 χ^2/NDF:584325.7/35

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

All: 40.887+/-0.004 χ^2/NDF: 1338061.5/73



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:10.5/19

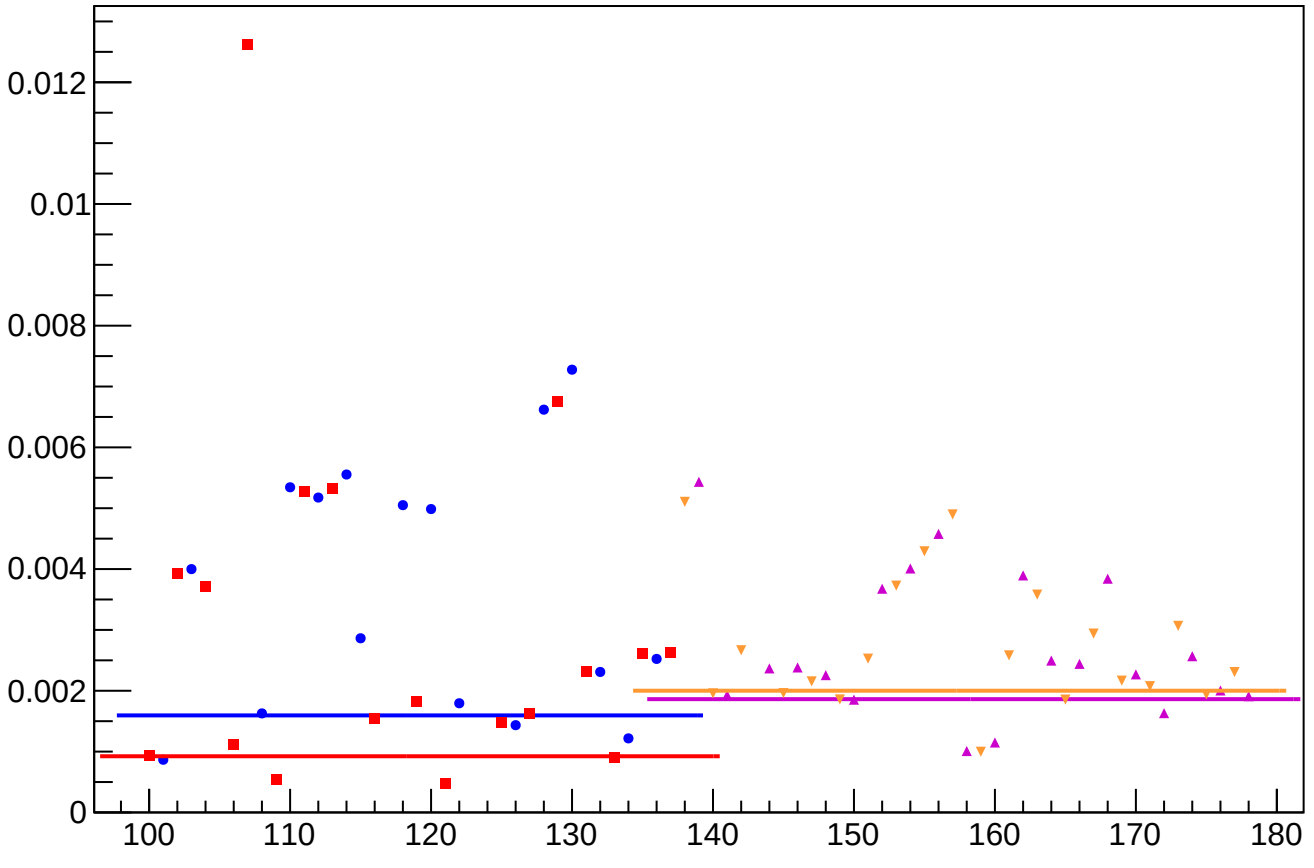
Left: -0.000+/-0.000 χ^2/NDF: 58.5/39

Right: 0.000+/-0.000 χ^2/NDF: 36.9/33

In: 0.000+/-0.000 χ^2/NDF:31.5/35

Out: -0.000+/-0.000 χ^2/NDF:63.1/37

All: -0.000+/-0.000 χ^2/NDF: 95.6/73



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:5470490.0/19

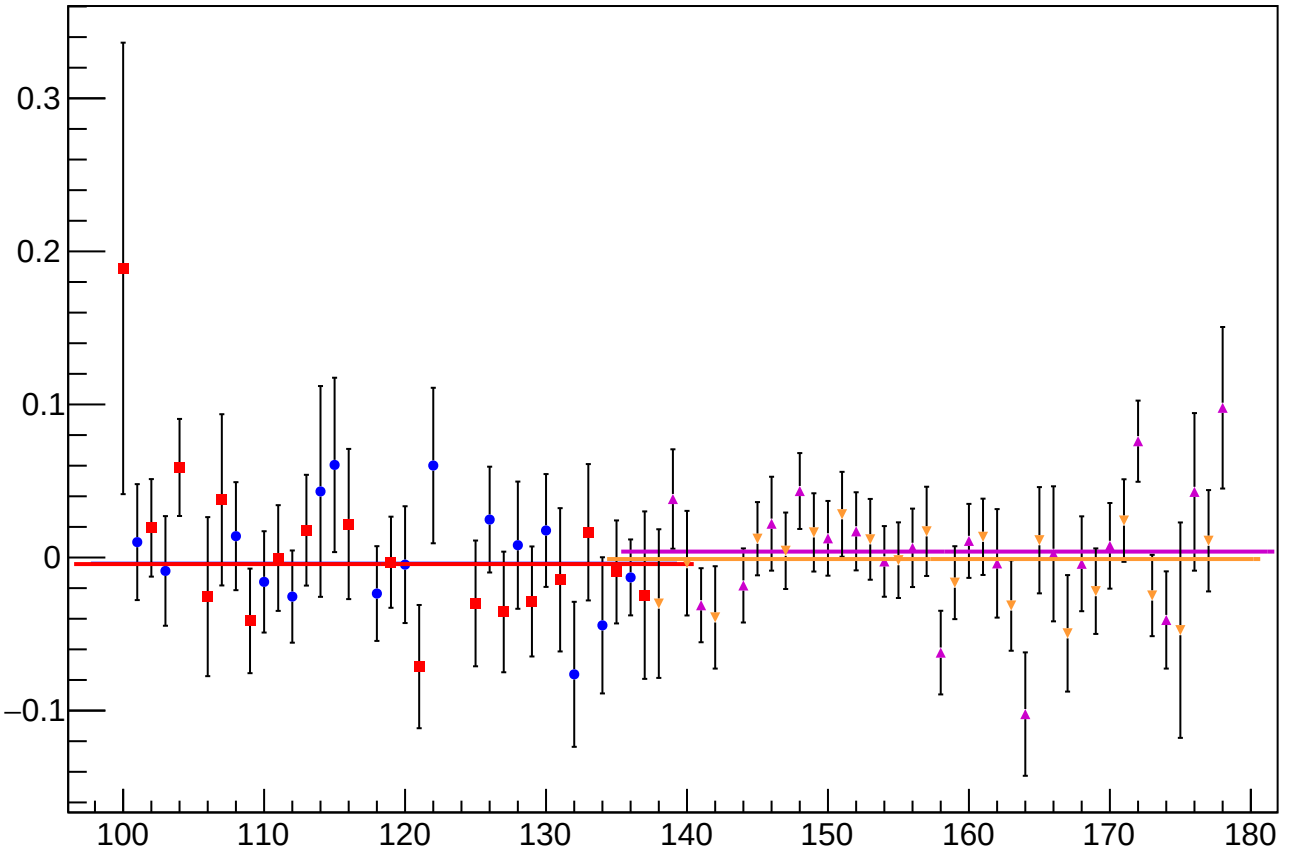
Left: 0.002+/-0.000 χ^2/NDF: 10162278.3/39

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

In: 0.002+/-0.000 χ^2/NDF:10404912.7/35

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

All: 0.002+/-0.000 χ^2/NDF: 25892773.9/73



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: 0.004+/-0.006 χ^2/NDF:33.5/19

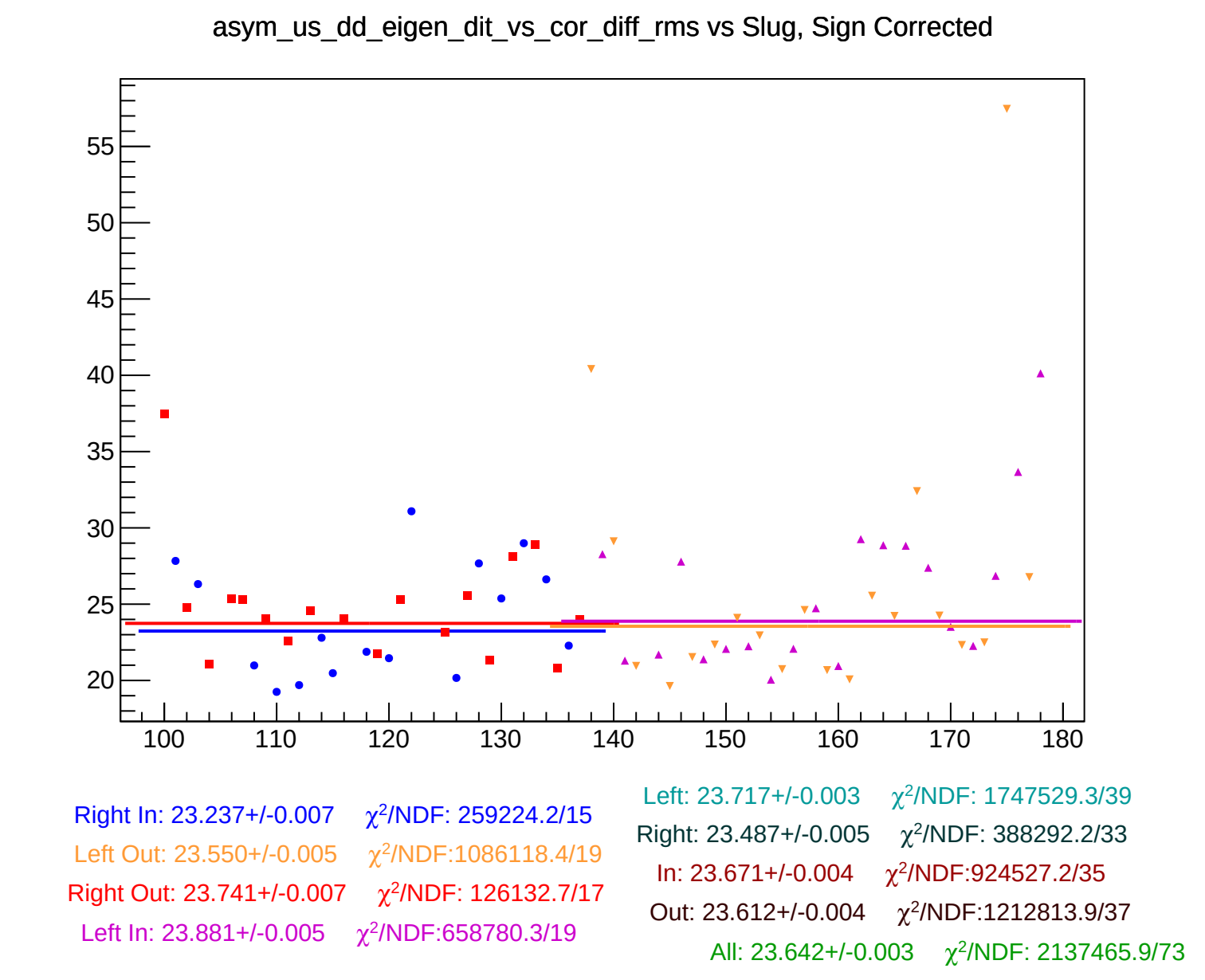
Left: 0.001+/-0.005 χ^2/NDF: 44.4/39

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

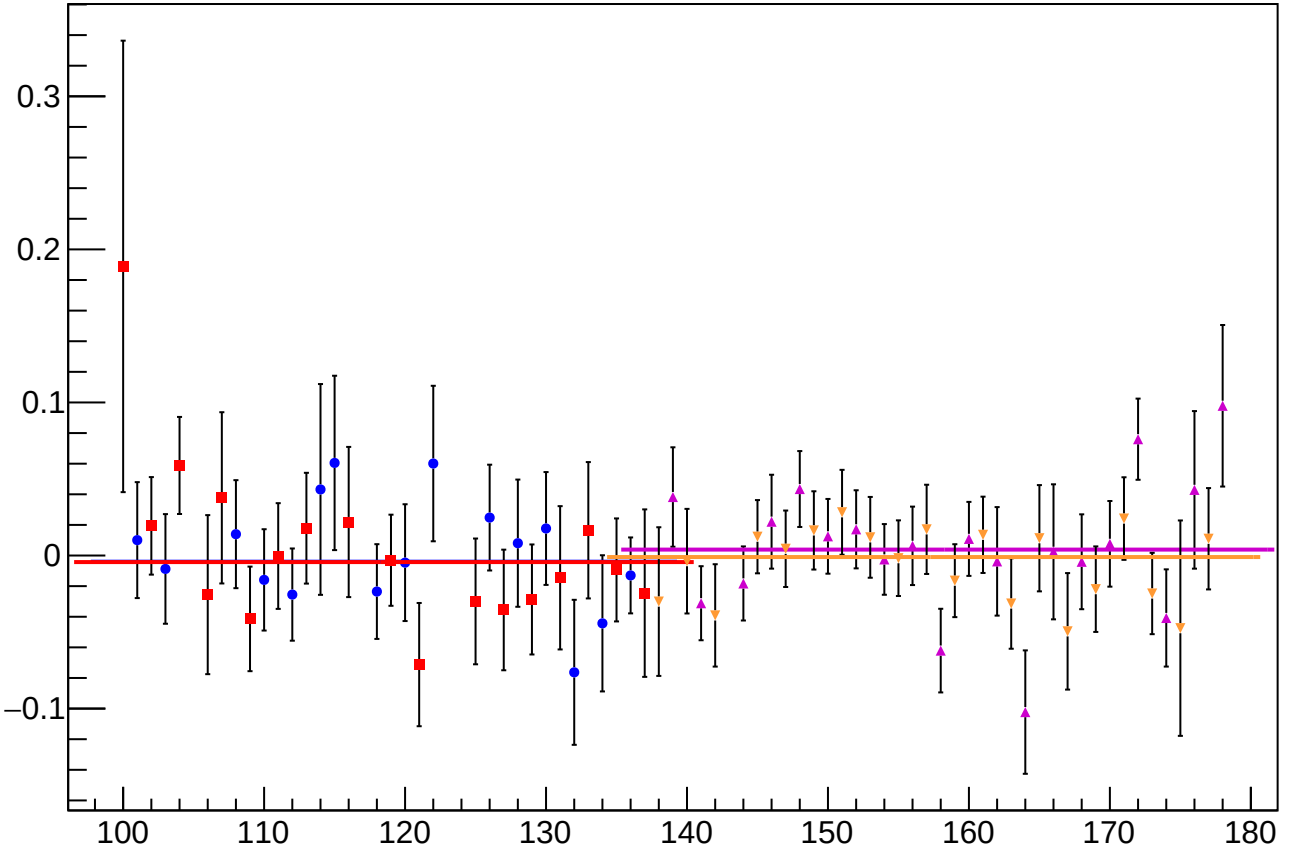
In: 0.001+/-0.005 χ^2/NDF:43.2/35

Out: -0.002+/-0.005 χ^2/NDF:24.2/37

All: -0.000+/-0.004 χ^2/NDF: 67.6/73


asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
55
50
45
40
35
30
25
20
100
110
120
130
140
150
160
170
180
Right In: 23.237+/-0.007 χ²/NDF: 259224.2/15
Left Out: 23.550+/-0.005 χ²/NDF:1086118.4/19
Right Out: 23.741+/-0.007 χ²/NDF: 126132.7/17
Left In: 23.881+/-0.005 χ²/NDF:658780.3/19
Left: 23.717+/-0.003 χ²/NDF: 1747529.3/39
Right: 23.487+/-0.005 χ²/NDF: 388292.2/33
In: 23.671+/-0.004 χ²/NDF:924527.2/35
Out: 23.612+/-0.004 χ²/NDF:1212813.9/37
All: 23.642+/-0.003 χ²/NDF: 2137465.9/73

asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

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

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

Left In: 0.004+/-0.006 χ^2/NDF:33.5/19

Left: 0.001+/-0.005 χ^2/NDF: 44.4/39

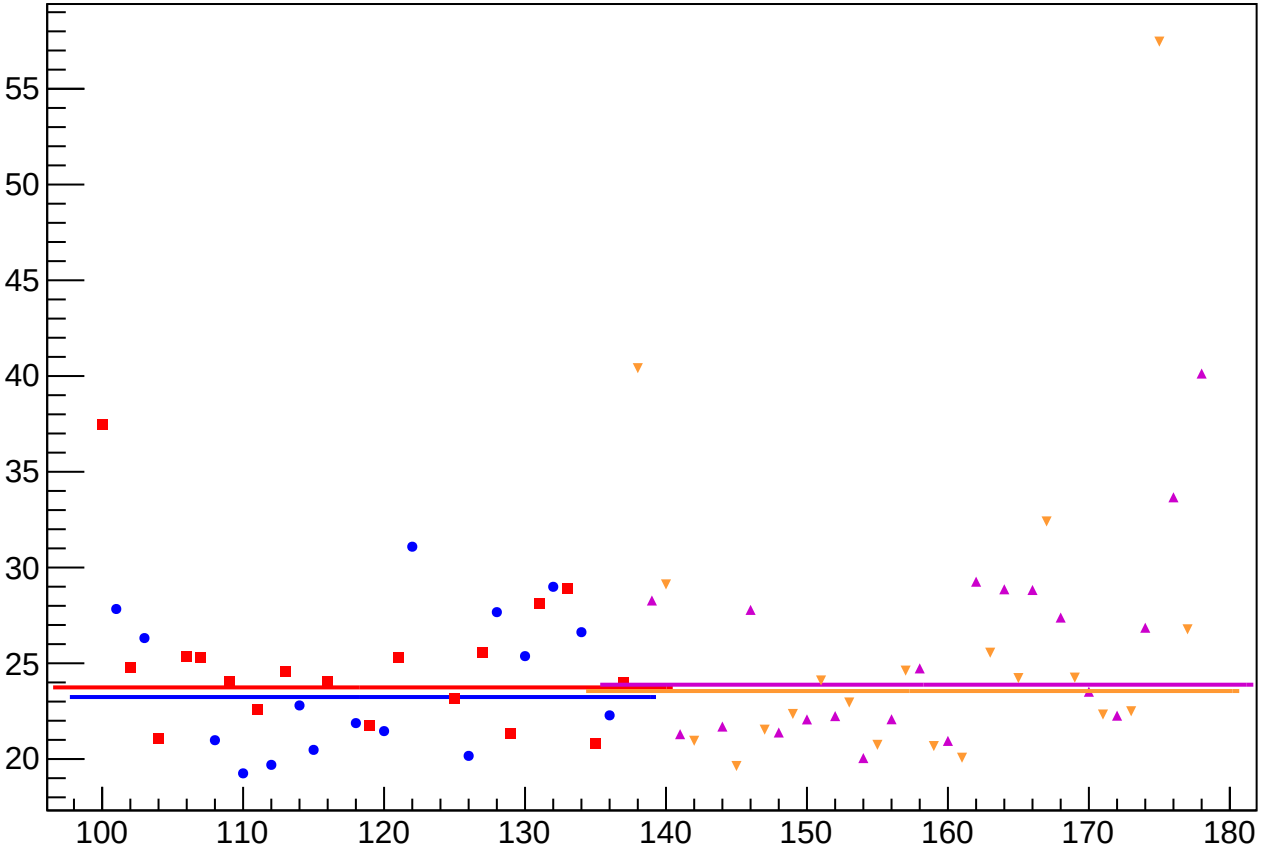
Right: -0.004+/-0.007 χ^2/NDF: 22.7/33

In: 0.001+/-0.005 χ^2/NDF:43.2/35

Out: -0.002+/-0.005 χ^2/NDF:24.2/37

All: -0.000+/-0.004 χ^2/NDF: 67.6/73

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 23.881+/-0.005 χ^2/NDF:658780.3/19

Left: 23.717+/-0.003 χ^2/NDF: 1747529.3/39

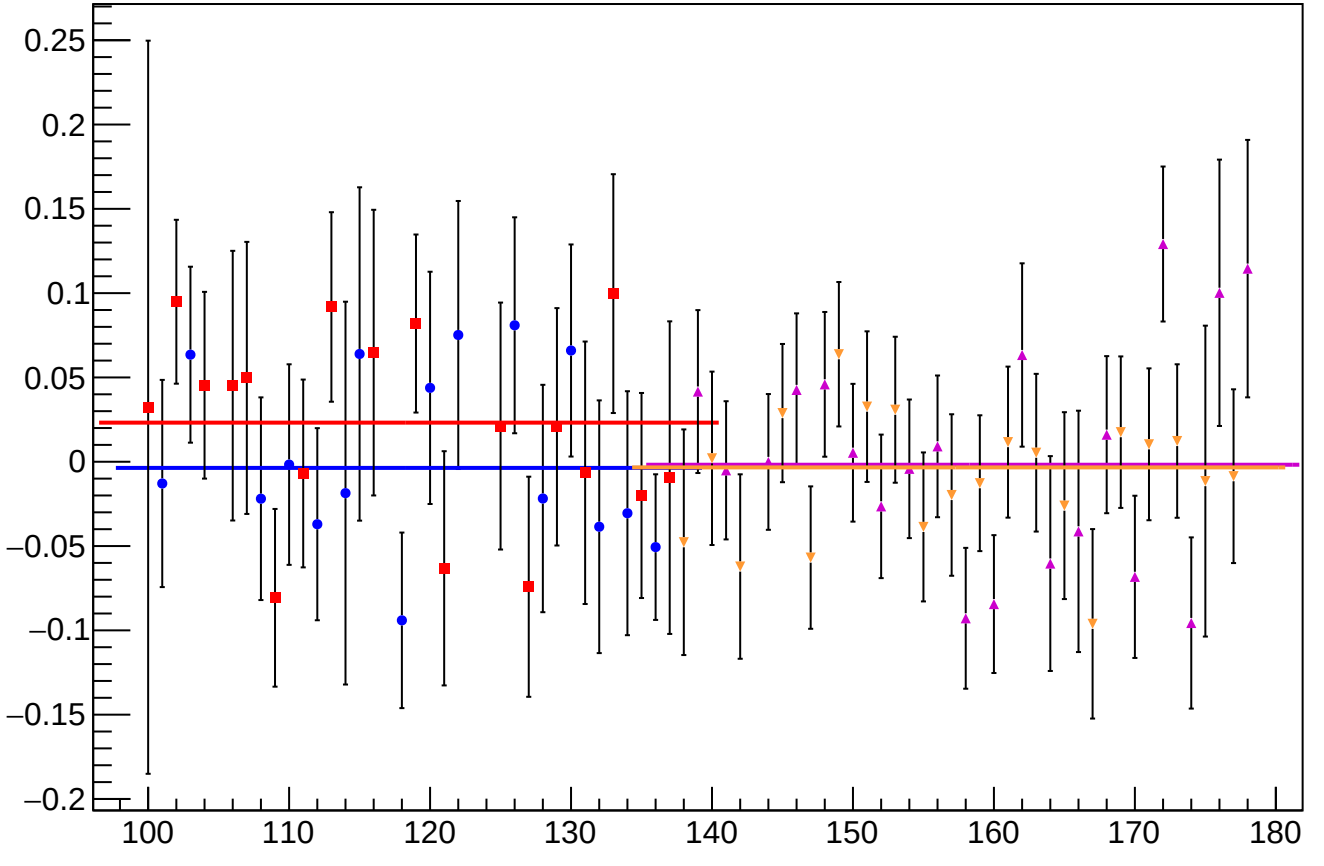
Right: 23.487+/-0.005 χ^2/NDF: 388292.2/33

In: 23.671+/-0.004 χ^2/NDF:924527.2/35

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

All: 23.642+/-0.003 χ^2/NDF: 2137465.9/73

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: -0.002+/-0.011 χ^2/NDF:32.4/19

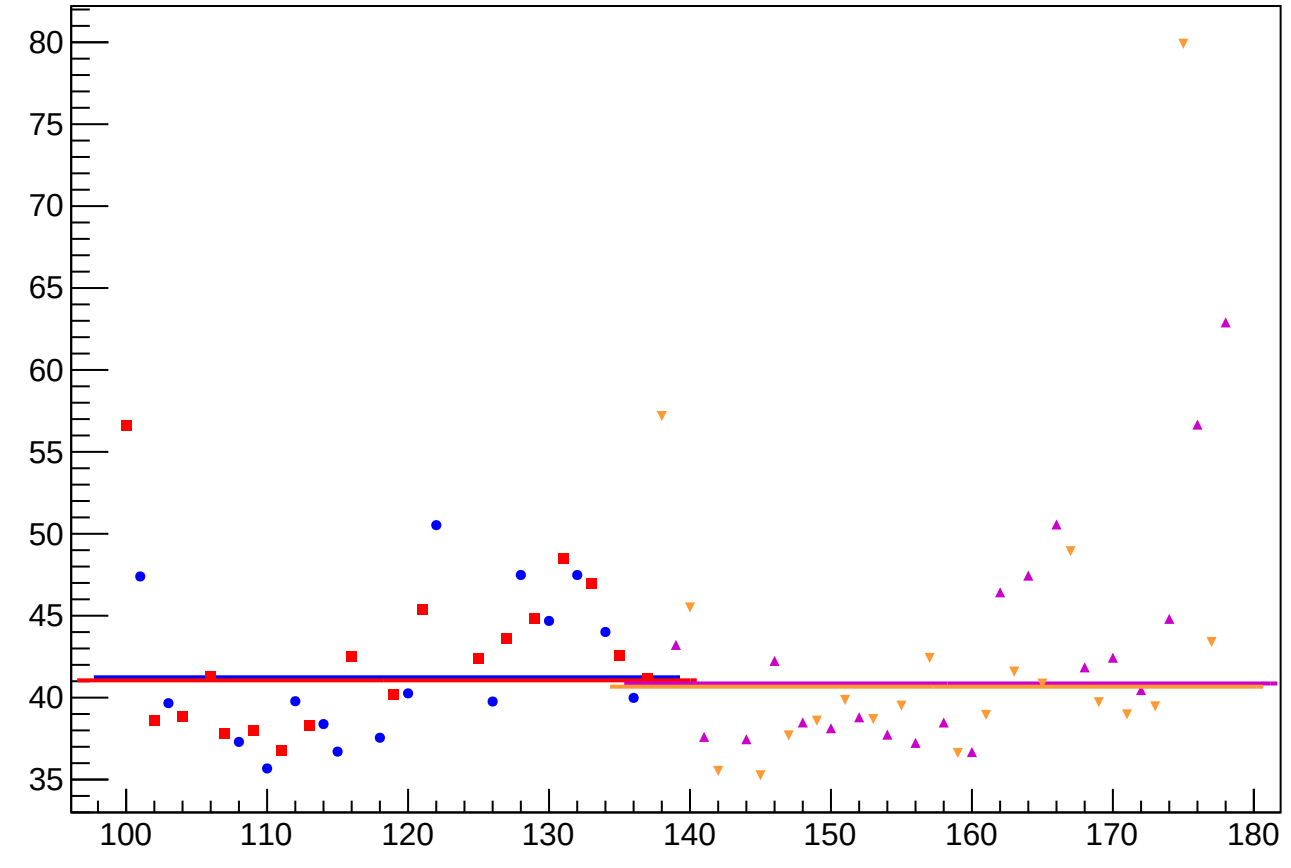
Left: -0.003+/-0.007 χ^2/NDF: 44.3/39

Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.002+/-0.009 χ^2/NDF:44.1/35

Out: 0.005+/-0.009 χ^2/NDF:29.2/37

All: 0.001+/-0.006 χ^2/NDF: 73.7/73



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: 40.863+/-0.007 χ^2/NDF:448241.2/19

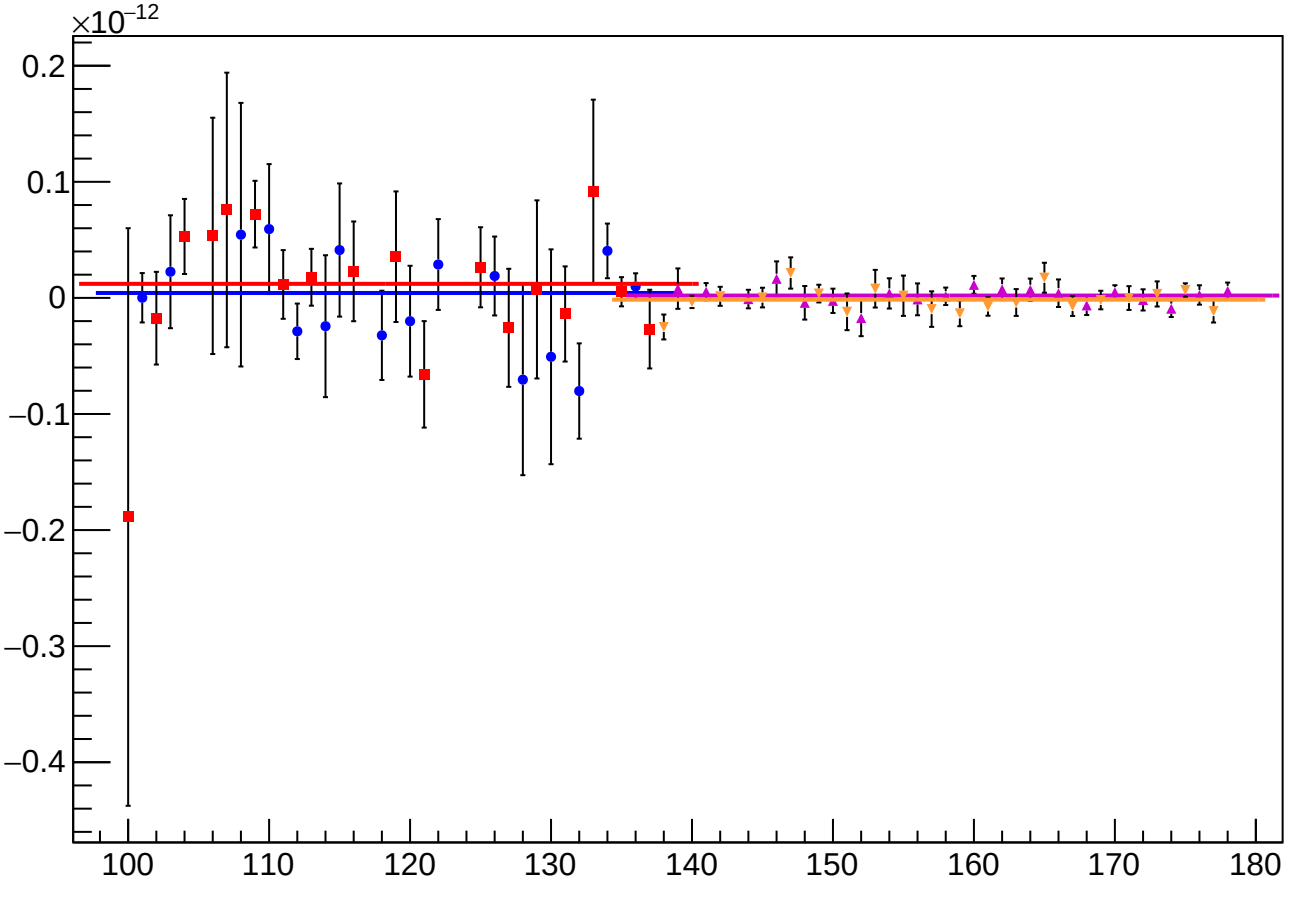
Left: 40.767+/-0.005 χ^2/NDF: 1104448.6/39

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

In: 40.980+/-0.006 χ^2/NDF:584294.8/35

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

All: 40.887+/-0.004 χ^2/NDF: 1338018.0/73



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:9.6/19

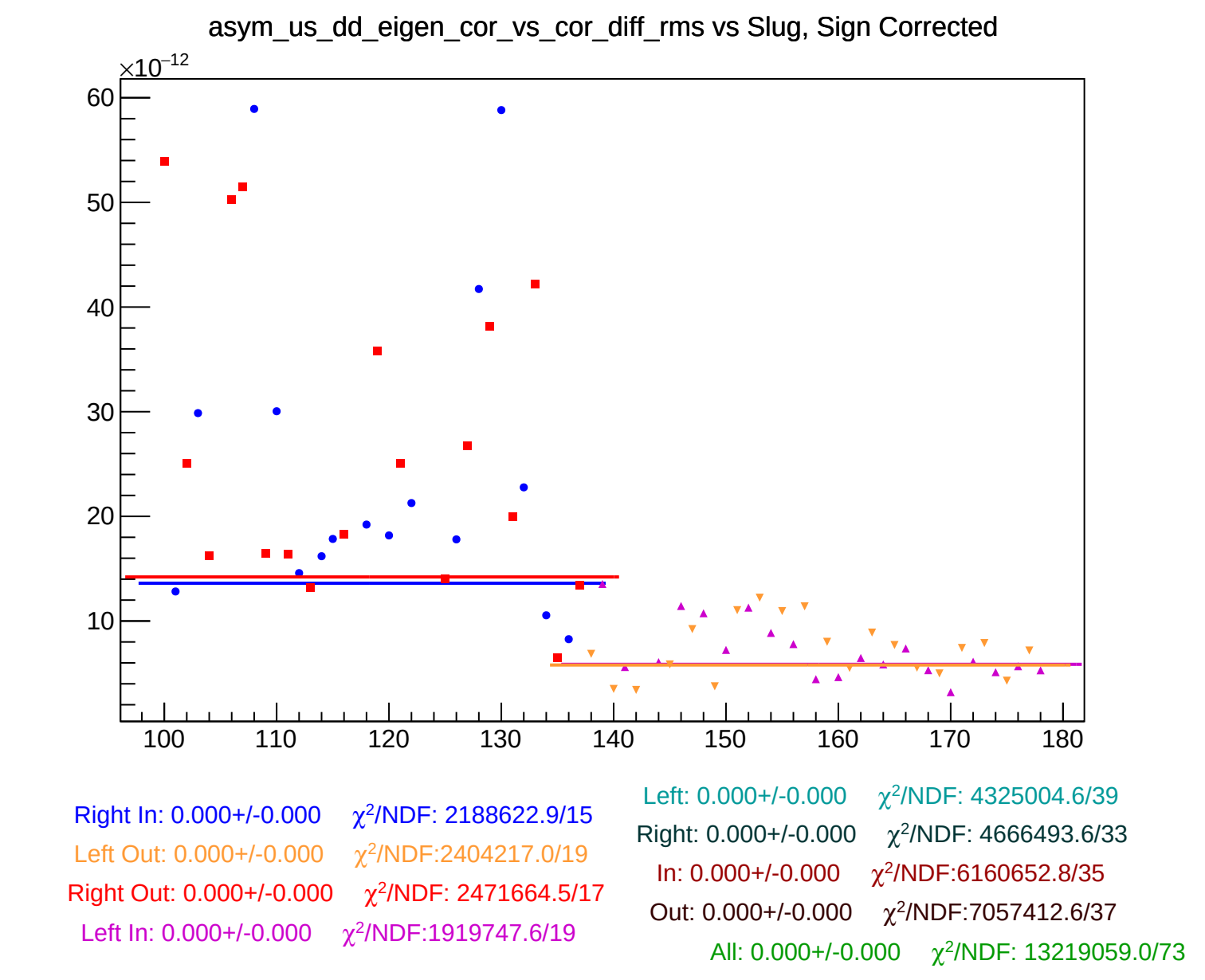
Left: 0.000+/-0.000 χ^2/NDF: 28.2/39

Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

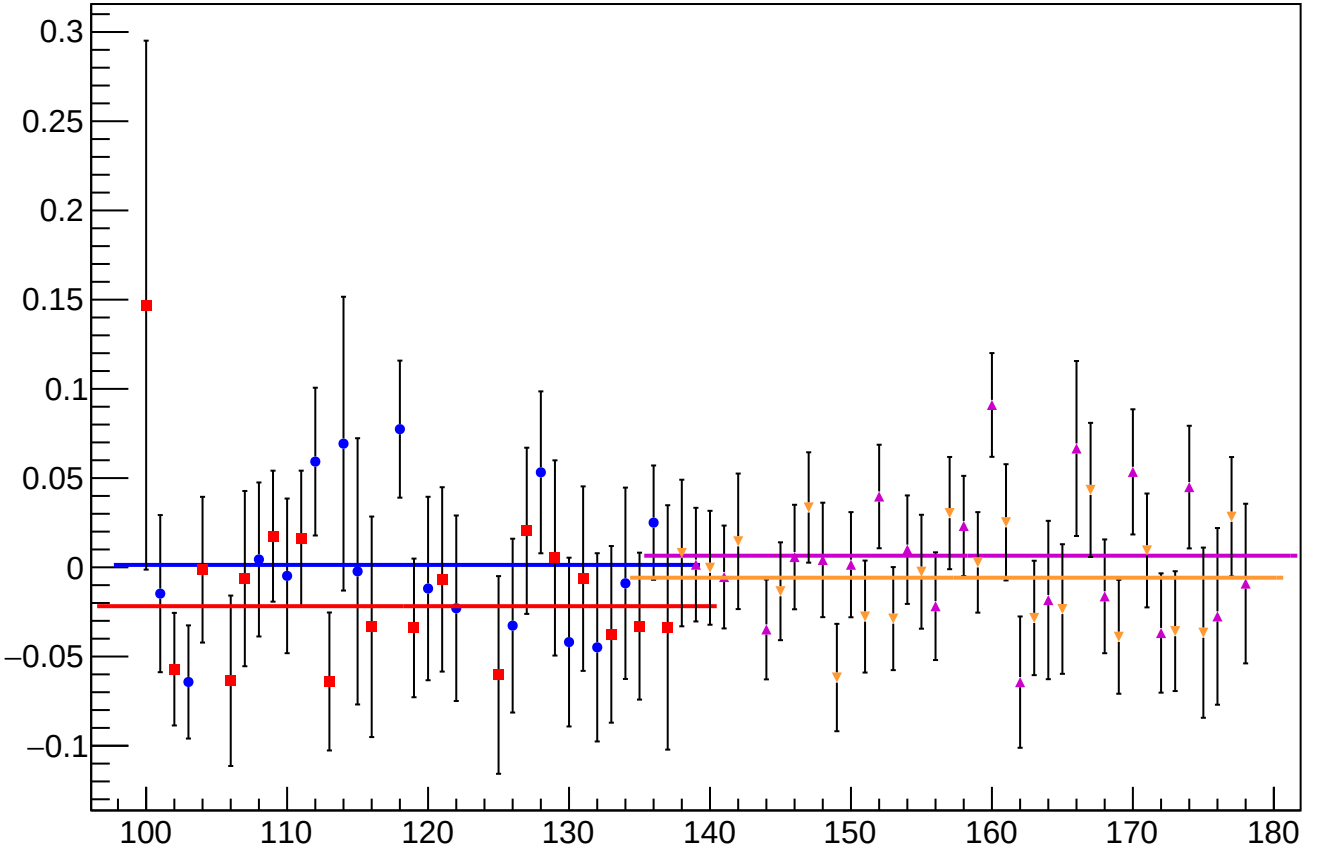
In: 0.000+/-0.000 χ^2/NDF:23.4/35

Out: -0.000+/-0.000 χ^2/NDF:34.4/37

All: 0.000+/-0.000 χ^2/NDF: 58.8/73


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:1919747.6/19
Left: 0.000+/-0.000 χ²/NDF: 4325004.6/39
Right: 0.000+/-0.000 χ²/NDF: 4666493.6/33
In: 0.000+/-0.000 χ²/NDF:6160652.8/35
Out: 0.000+/-0.000 χ²/NDF:7057412.6/37
All: 0.000+/-0.000 χ²/NDF: 13219059.0/73

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.006+/-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:24.8/19

Left: 0.000+/-0.005 χ^2/NDF: 41.2/39

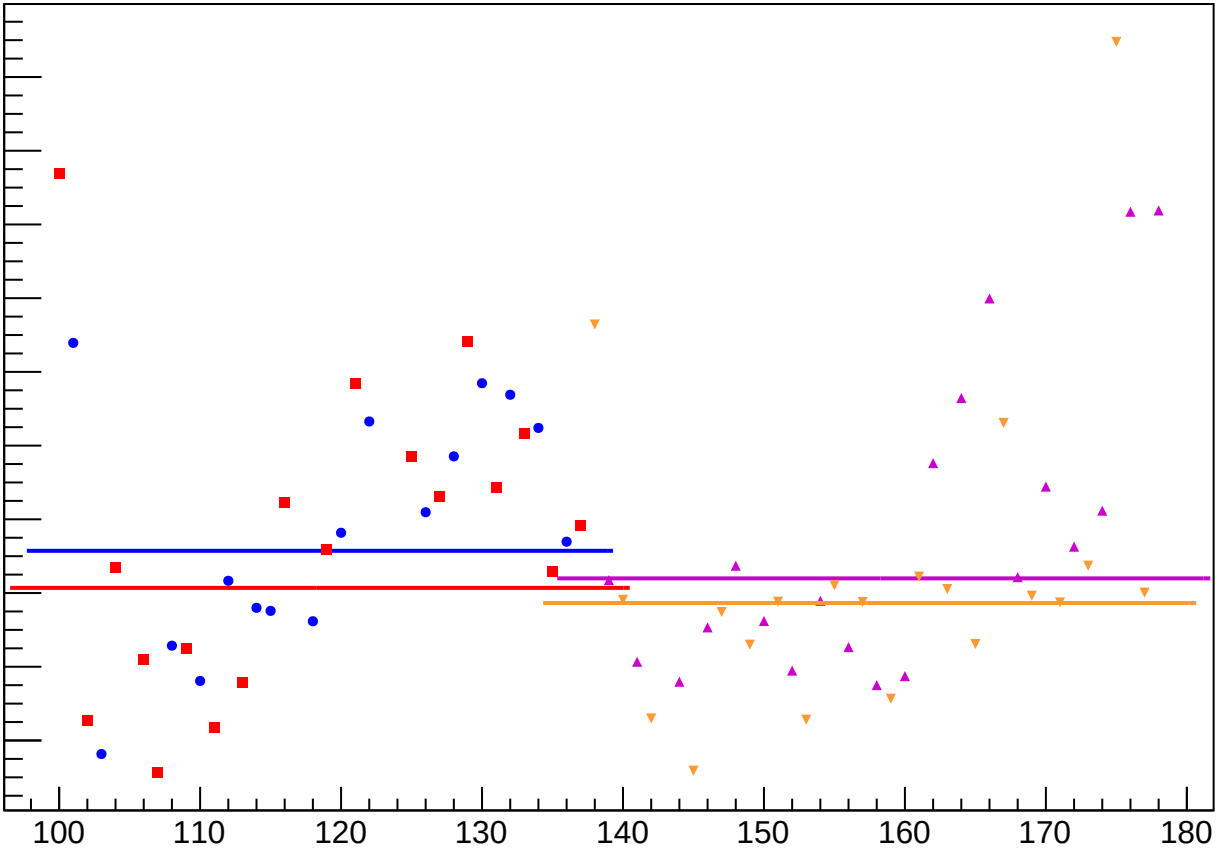
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: 0.005+/-0.006 χ^2/NDF:40.2/35

Out: -0.011+/-0.006 χ^2/NDF:25.6/37

All: -0.003+/-0.004 χ^2/NDF: 69.1/73

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

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

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

Left In: 28.398+/-0.005 χ^2/NDF:385294.7/19

Left: 28.063+/-0.004 χ^2/NDF: 817267.0/39

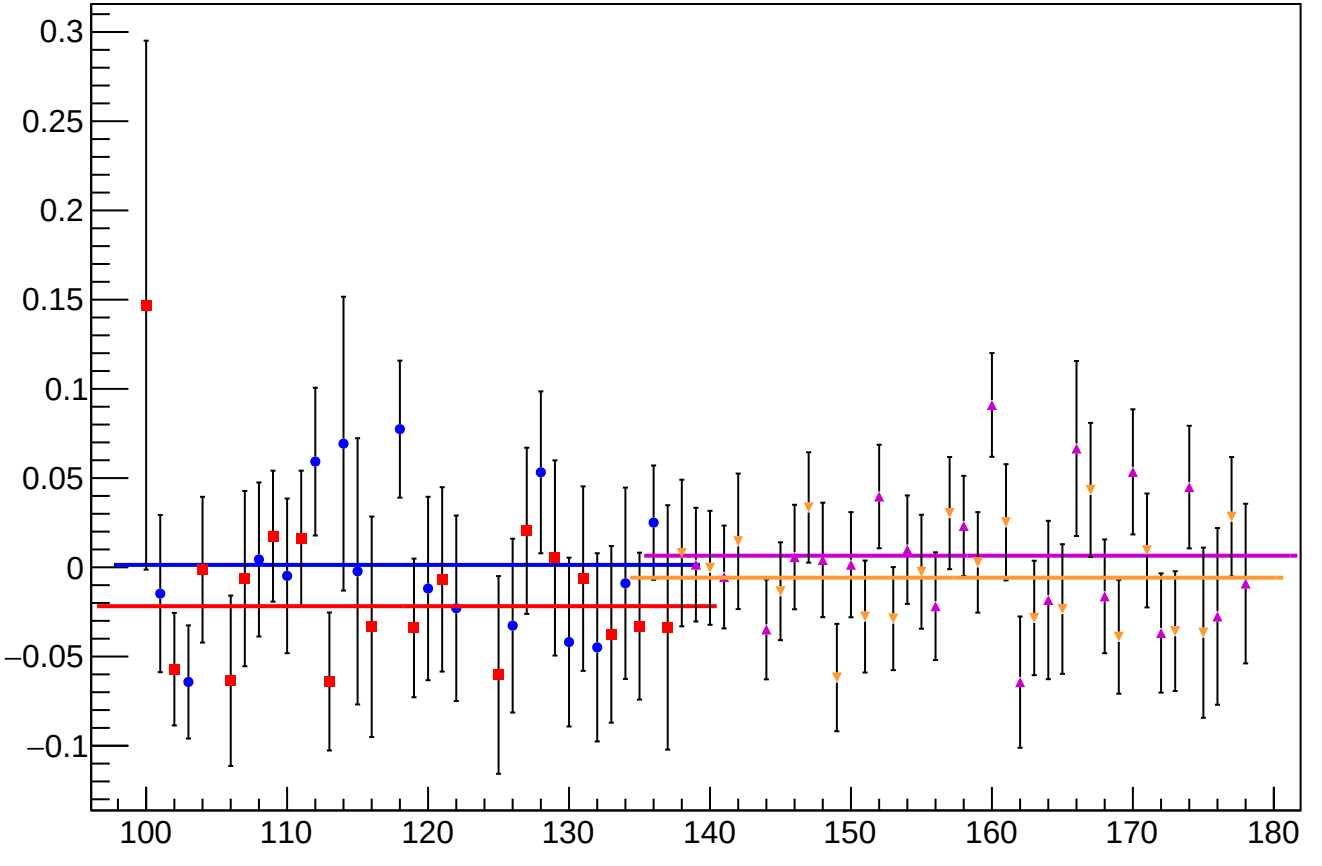
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 28.621+/-0.004 χ^2/NDF:568422.1/35

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

All: 28.235+/-0.003 χ^2/NDF: 1196826.5/73

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:24.8/19

Left: 0.000+/-0.005 χ^2/NDF: 41.2/39

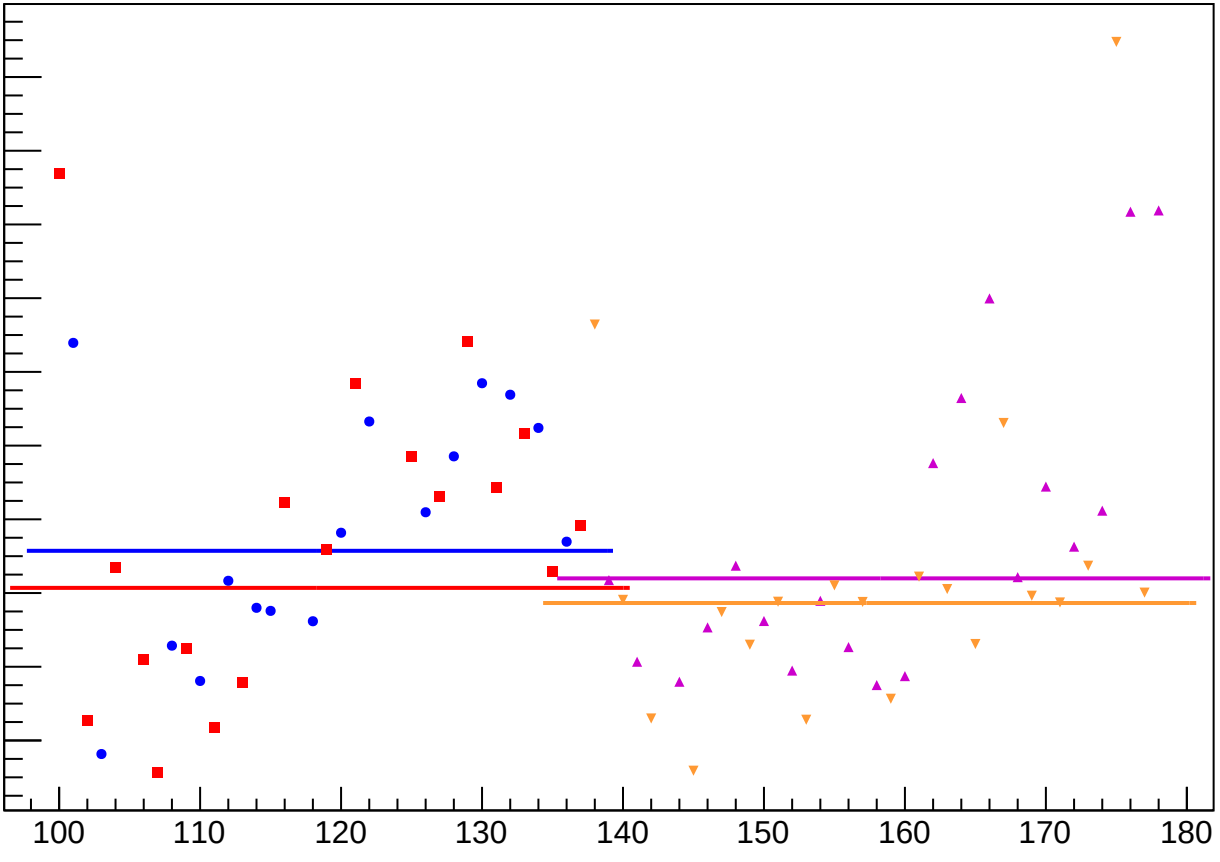
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: 0.005+/-0.006 χ^2/NDF:40.2/35

Out: -0.011+/-0.006 χ^2/NDF:25.6/37

All: -0.003+/-0.004 χ^2/NDF: 69.1/73

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: 28.398+/-0.005 χ^2/NDF:385294.7/19

Left: 28.063+/-0.004 χ^2/NDF: 817267.0/39

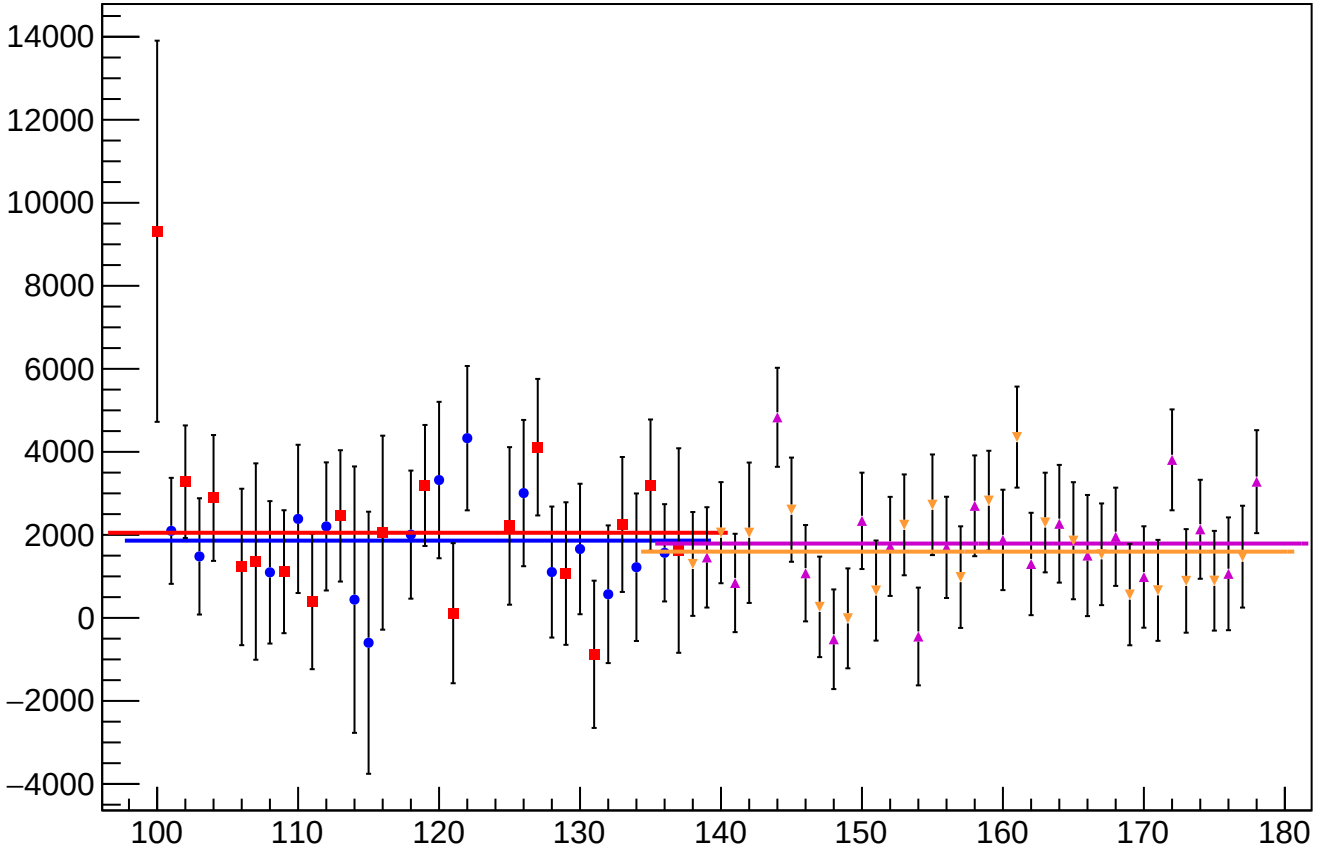
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 28.621+/-0.004 χ^2/NDF:568422.1/35

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

All: 28.235+/-0.003 χ^2/NDF: 1196826.5/73

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: 1790.956+/-274.038 χ^2/NDF:21.0/19

Left: 1694.897+/-195.078 χ^2/NDF: 35.7/39

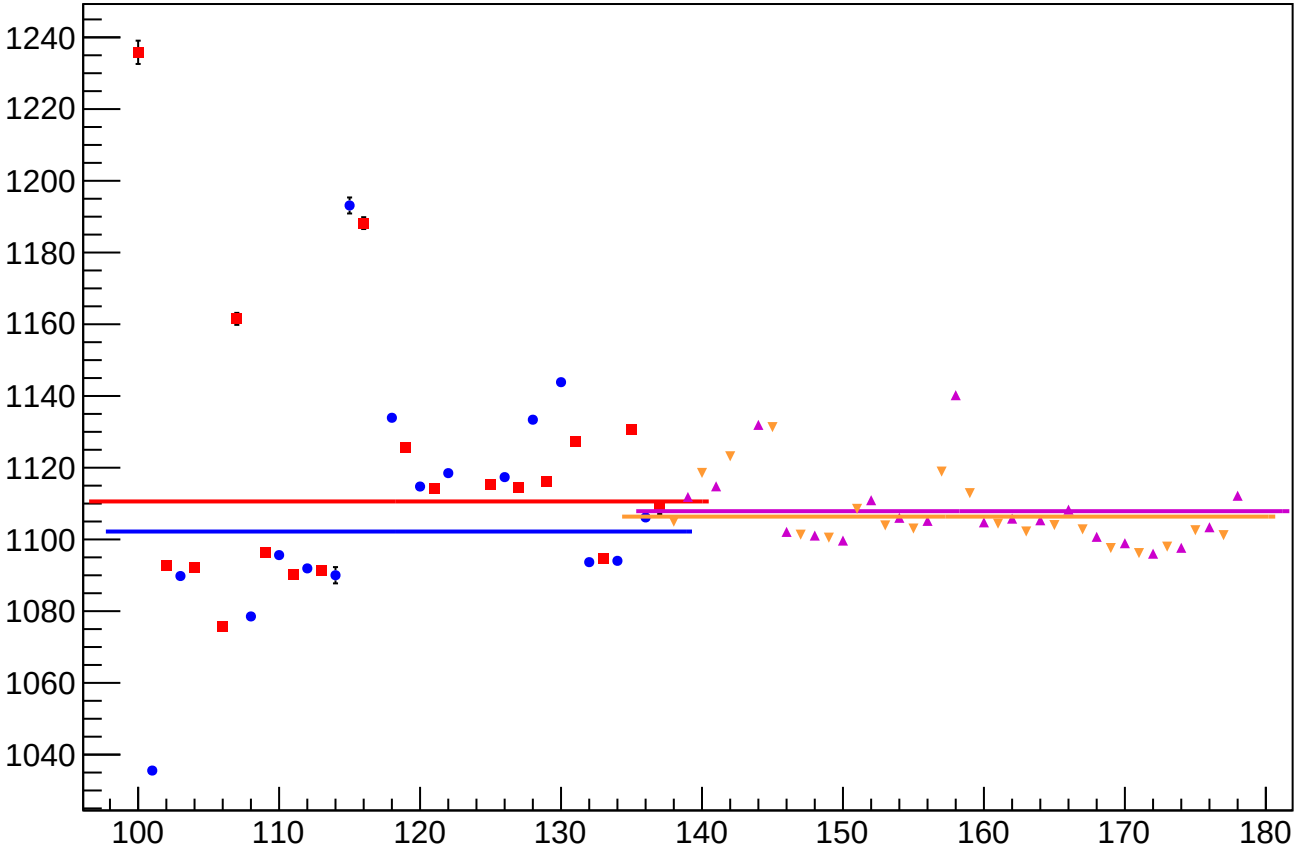
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1812.782+/-227.751 χ^2/NDF:26.4/35

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

All: 1776.517+/-161.773 χ^2/NDF: 54.3/73

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: 1107.879+/-0.194 χ^2/NDF:3152.9/19

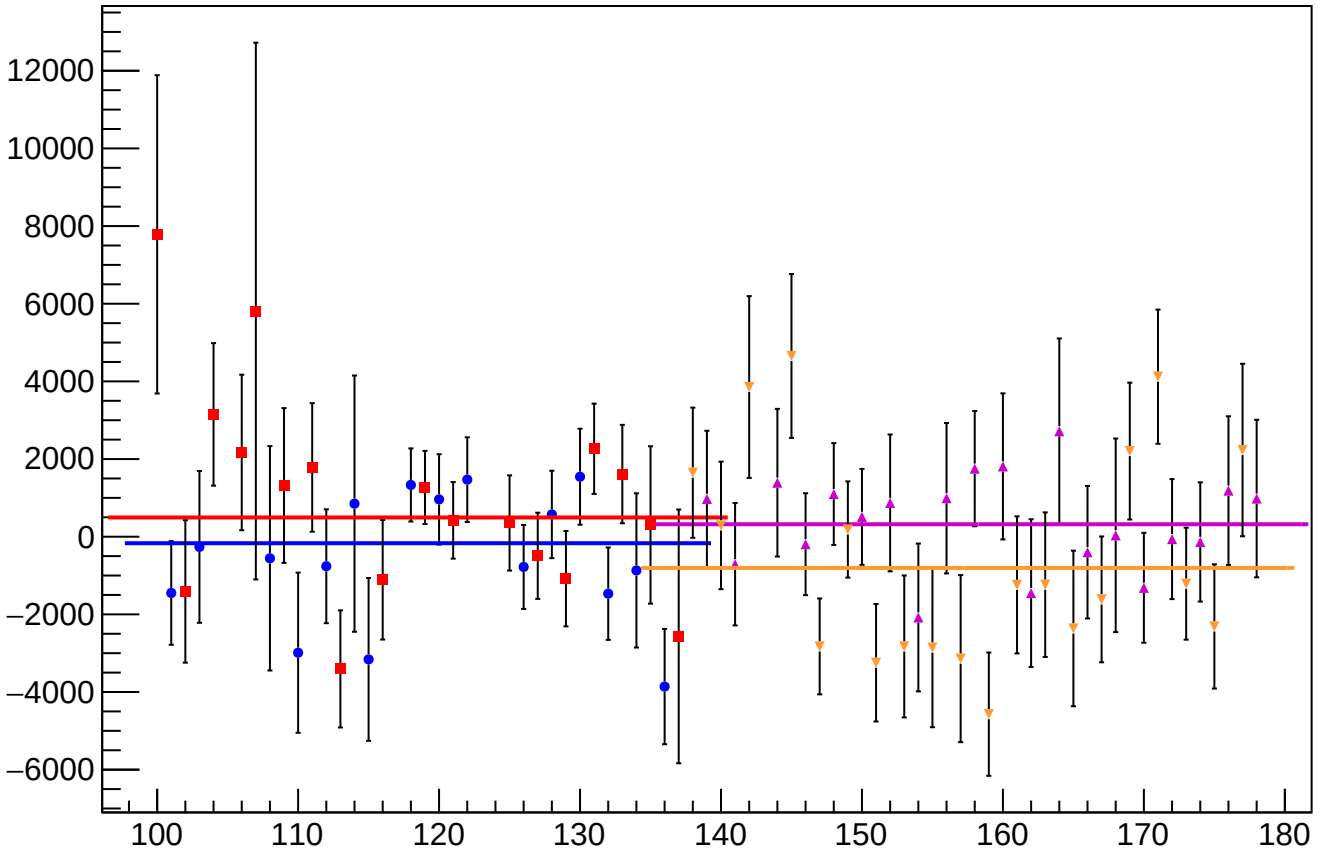
Left: 1107.132+/-0.138 χ^2/NDF: 5195.5/39

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

In: 1106.124+/-0.161 χ^2/NDF:14767.0/35

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

All: 1106.904+/-0.114 χ^2/NDF: 24668.9/73



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: 320.949+/-371.769 χ^2/NDF:8.6/19

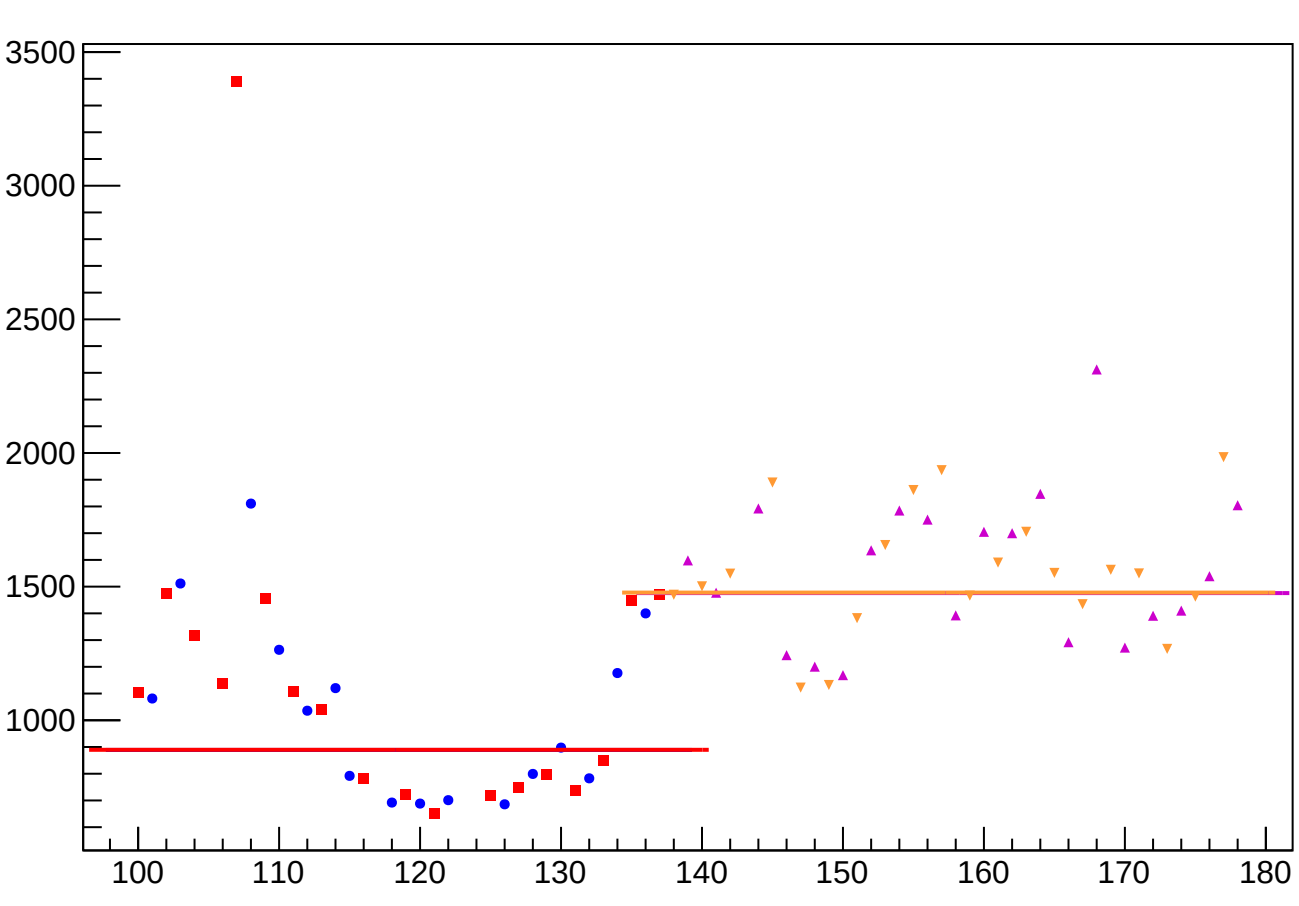
Left: -232.145+/-265.052 χ^2/NDF: 56.2/39

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

In: 58.608+/-253.060 χ^2/NDF:30.6/35

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

All: -17.814+/-179.566 χ^2/NDF: 103.5/73



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: 1475.837+/-0.263 χ^2/NDF:915251.9/19

Left: 1476.774+/-0.187 χ^2/NDF: 1700100.4/39

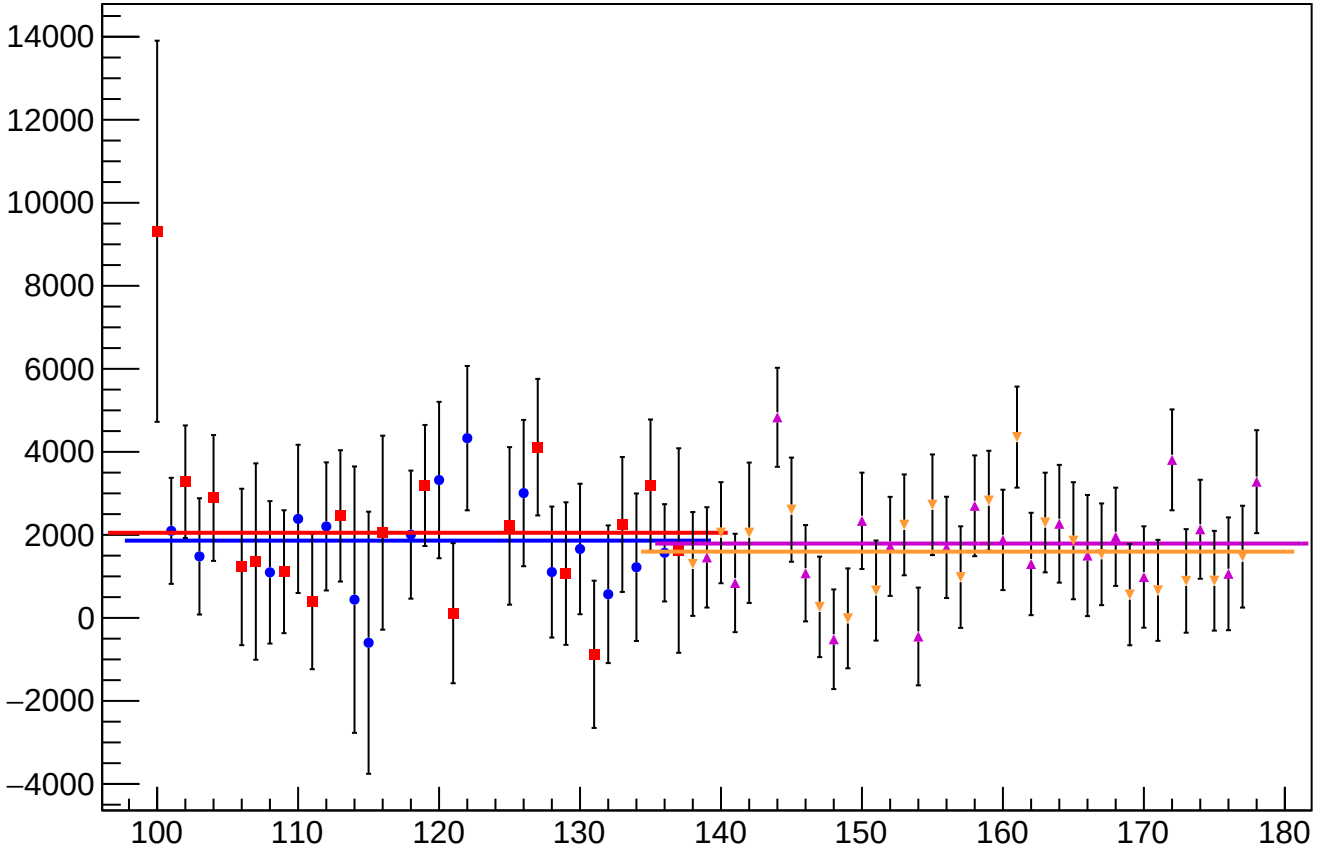
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1160.882+/-0.179 χ^2/NDF:4722765.8/35

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

All: 1158.891+/-0.127 χ^2/NDF: 9495864.6/73

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: 1790.956+/-274.038 χ^2/NDF:21.0/19

Left: 1694.897+/-195.078 χ^2/NDF: 35.7/39

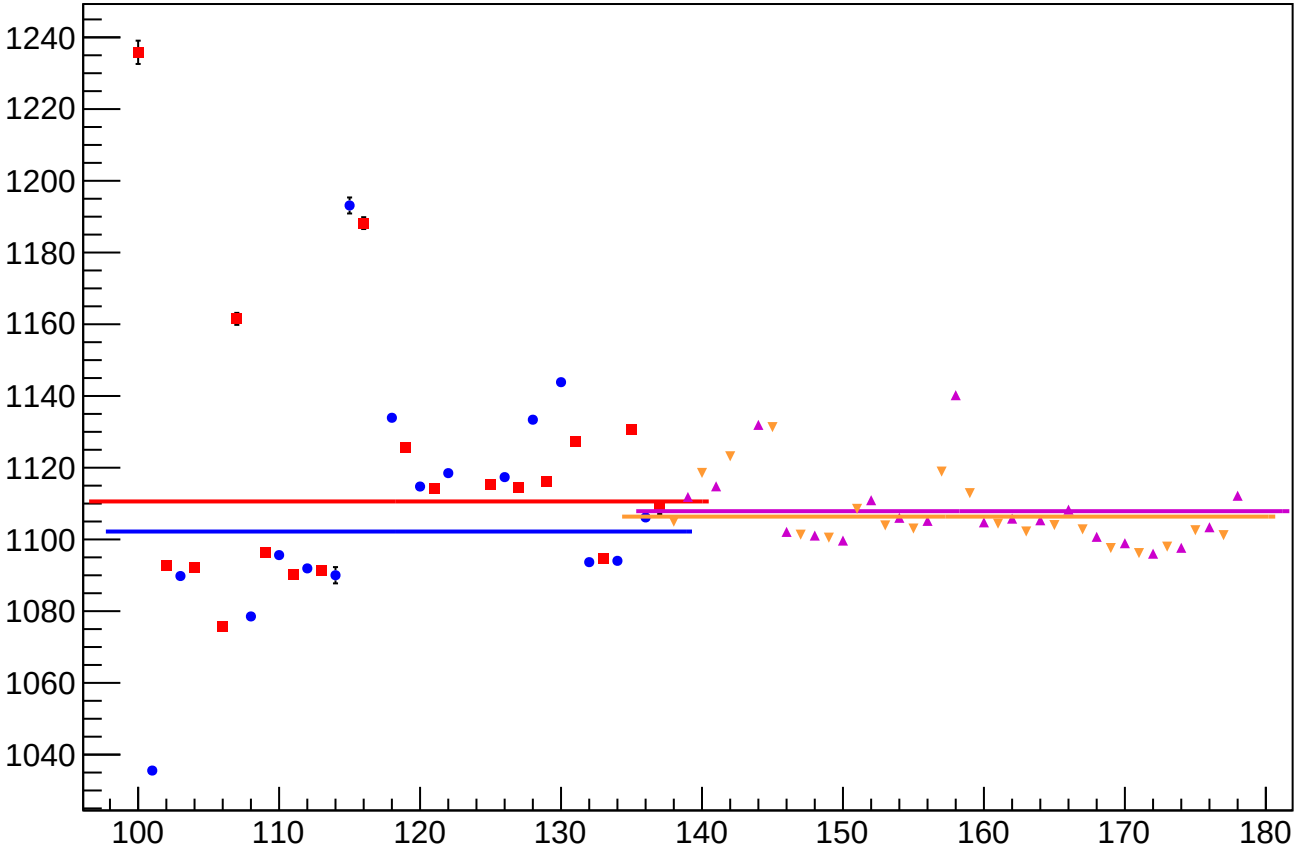
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1812.782+/-227.751 χ^2/NDF:26.4/35

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

All: 1776.517+/-161.773 χ^2/NDF: 54.3/73

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: 1107.879+/-0.194 χ^2/NDF:3152.9/19

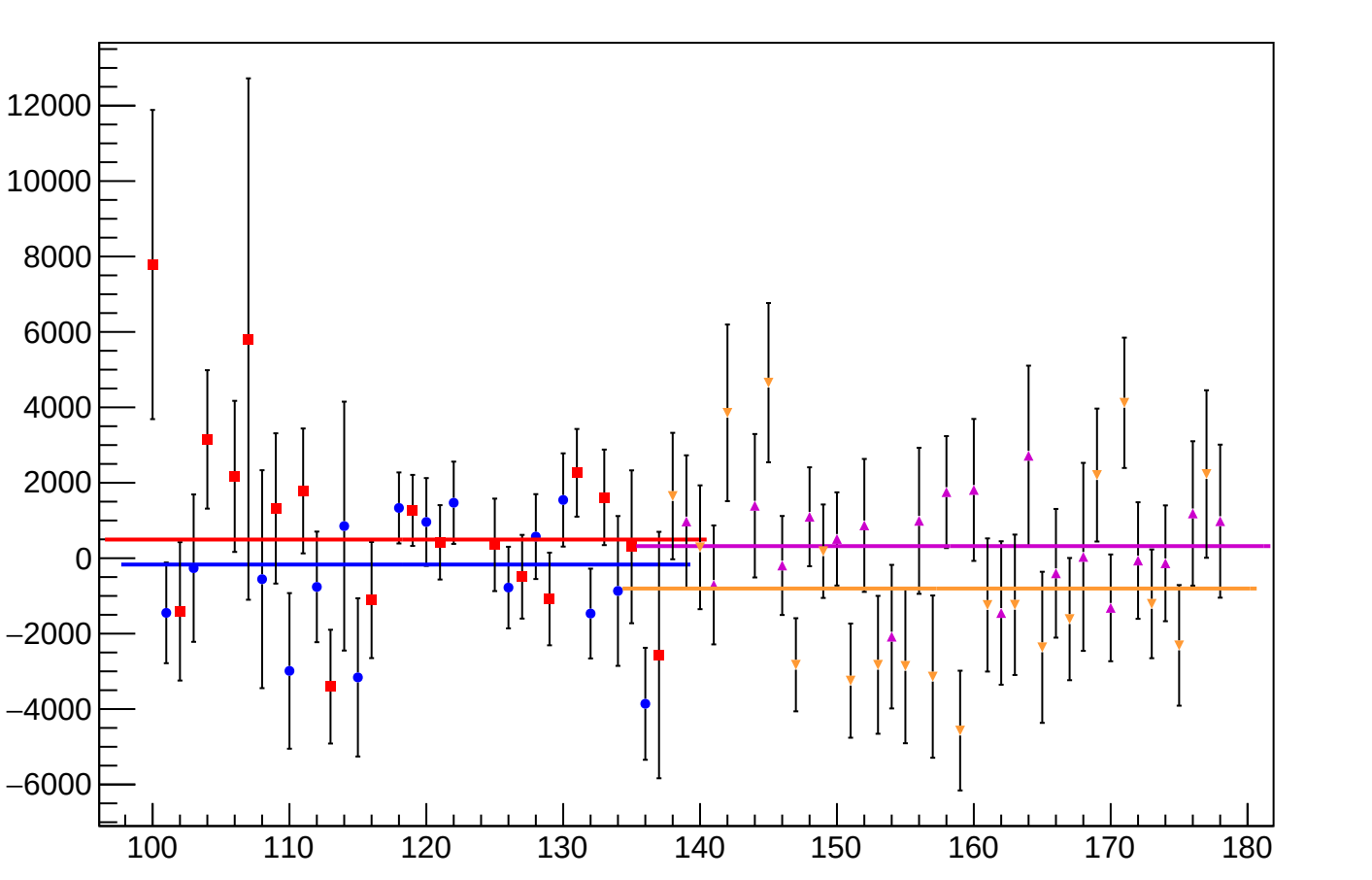
Left: 1107.132+/-0.138 χ^2/NDF: 5195.5/39

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

In: 1106.124+/-0.161 χ^2/NDF:14767.0/35

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

All: 1106.904+/-0.114 χ^2/NDF: 24668.9/73



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: 320.949+/-371.769 χ^2/NDF:8.6/19

Left: -232.145+/-265.052 χ^2/NDF: 56.2/39

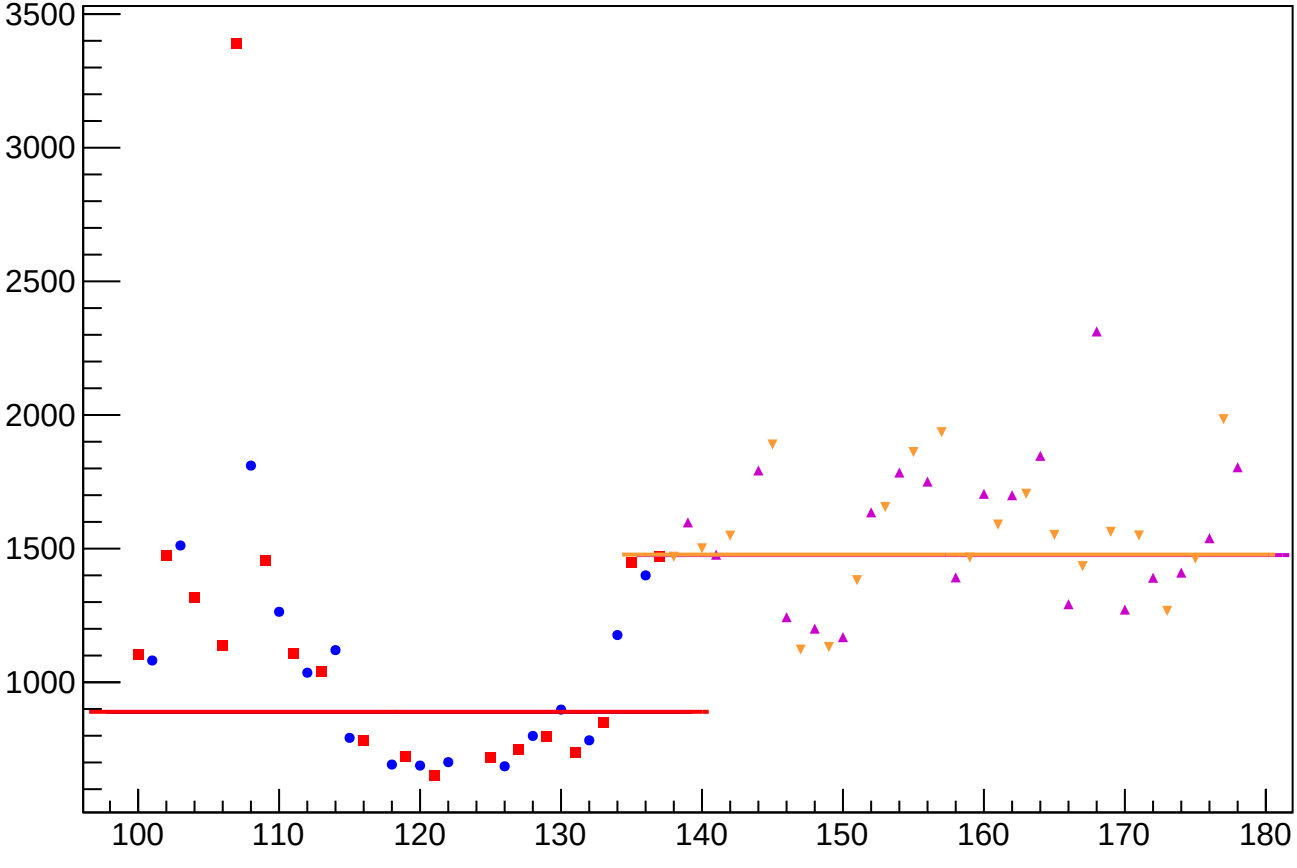
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: 58.608+/-253.060 χ^2/NDF:30.6/35

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

All: -17.814+/-179.566 χ^2/NDF: 103.5/73

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: 1475.837+/-0.263 χ^2/NDF:915251.9/19

Left: 1476.774+/-0.187 χ^2/NDF: 1700100.4/39

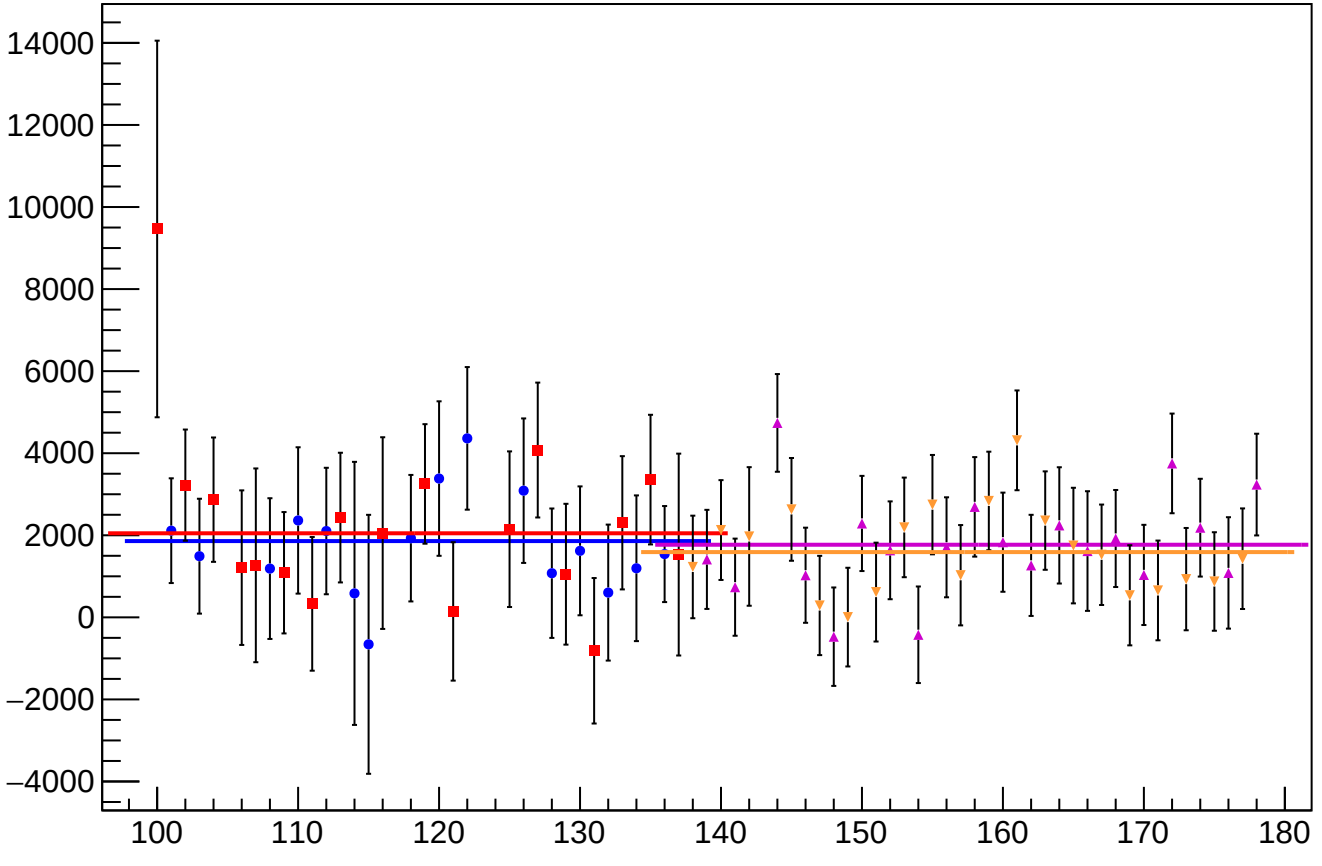
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1160.882+/-0.179 χ^2/NDF:4722765.8/35

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

All: 1158.891+/-0.127 χ^2/NDF: 9495864.6/73

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: 1769.502+/-273.776 χ^2/NDF:20.4/19

Left: 1681.165+/-194.891 χ^2/NDF: 35.0/39

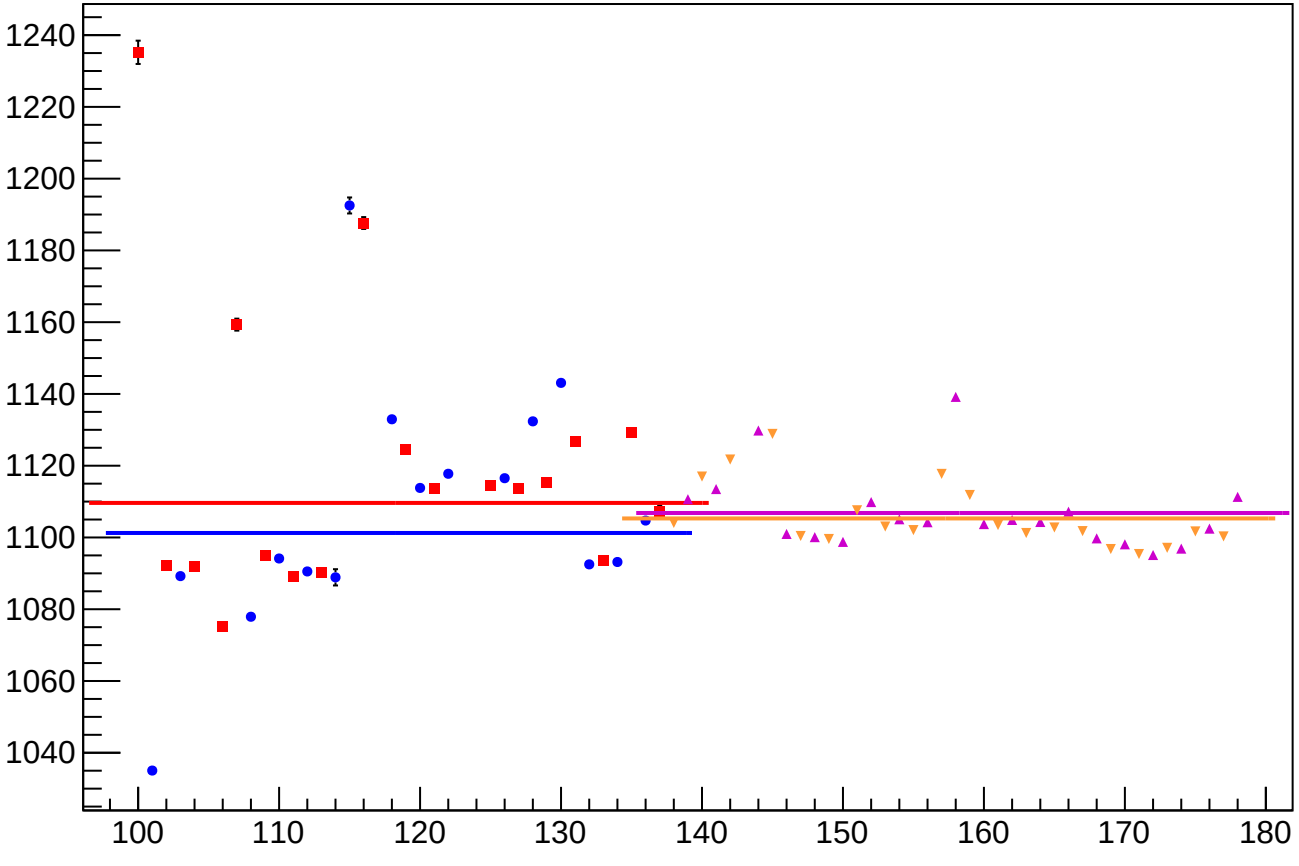
Right: 1953.743+/-289.229 χ^2/NDF: 18.3/33

In: 1797.081+/-227.540 χ^2/NDF:25.8/35

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

All: 1766.281+/-161.623 χ^2/NDF: 53.9/73

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: 1106.824+/-0.194 χ^2/NDF:3059.5/19

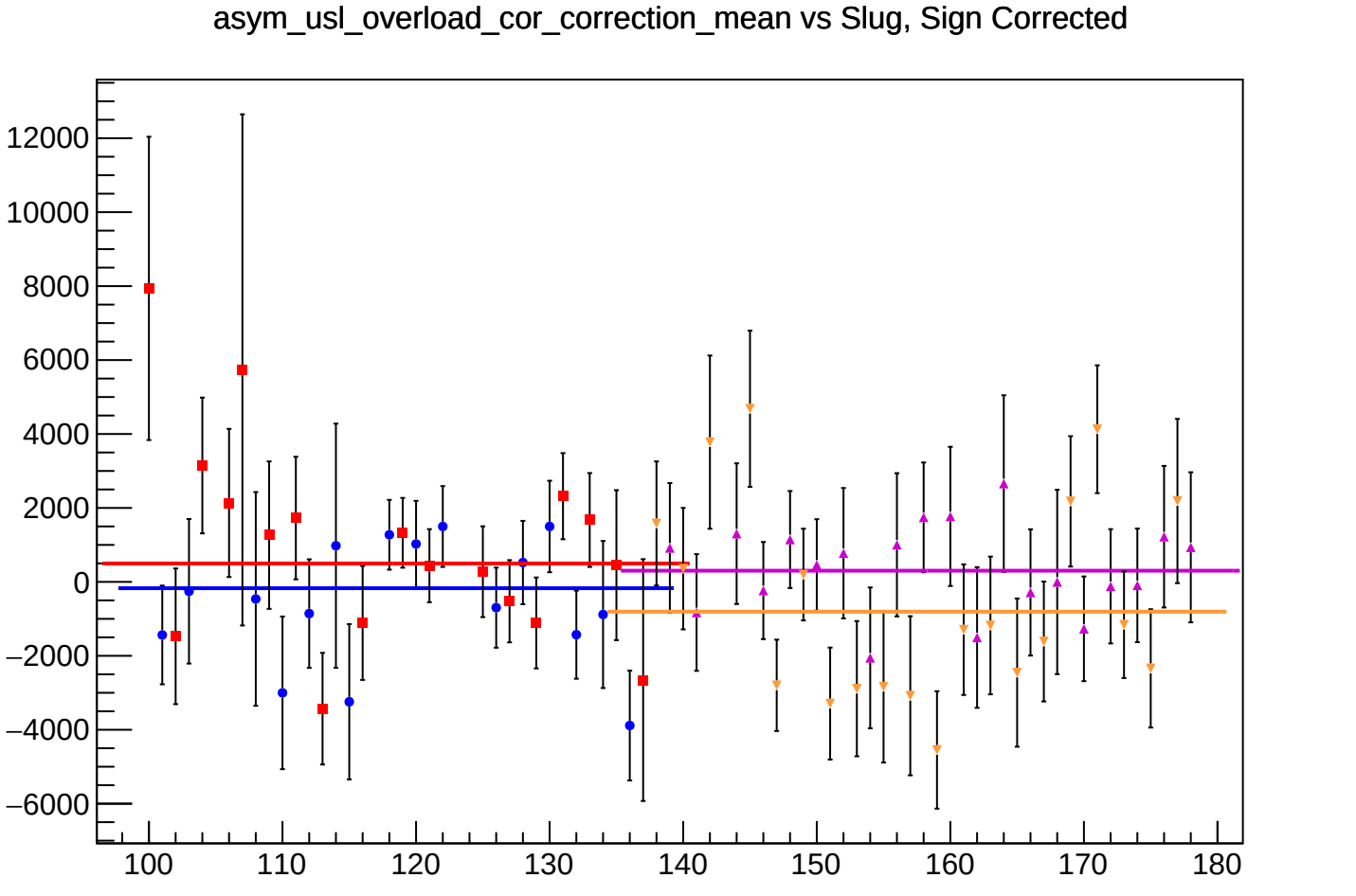
Left: 1106.073+/-0.138 χ^2/NDF: 4964.4/39

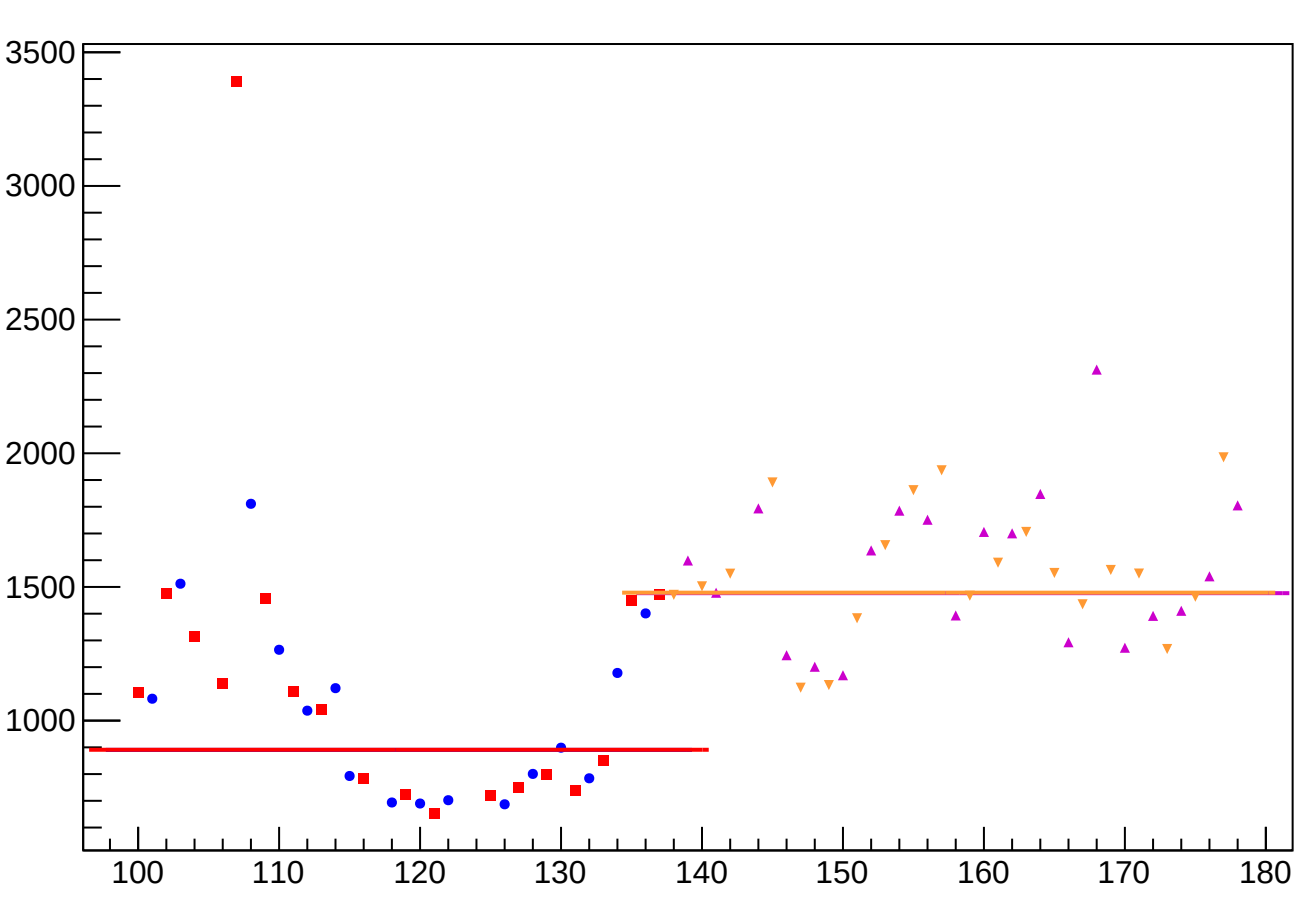
Right: 1105.444+/-0.205 χ^2/NDF: 19400.5/33

In: 1105.102+/-0.161 χ^2/NDF:14623.7/35

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

All: 1105.877+/-0.114 χ^2/NDF: 24371.4/73


asym_usl_overload_cor_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
180
Right In: -170.930+/-345.980 χ²/NDF: 20.9/15
Left Out: -806.075+/-378.199 χ²/NDF:42.8/19
Right Out: 497.957+/-345.565 χ²/NDF: 23.9/17
Left In: 302.435+/-371.978 χ²/NDF:8.5/19
Left: -242.628+/-265.200 χ²/NDF: 55.7/39
Right: 163.915+/-244.498 χ²/NDF: 46.7/33
In: 48.634+/-253.338 χ²/NDF:30.3/35
Out: -95.380+/-255.110 χ²/NDF:73.2/37
All: -22.871+/-179.760 χ²/NDF: 103.7/73



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: 1476.708+/-0.263 χ^2/NDF:913851.3/19

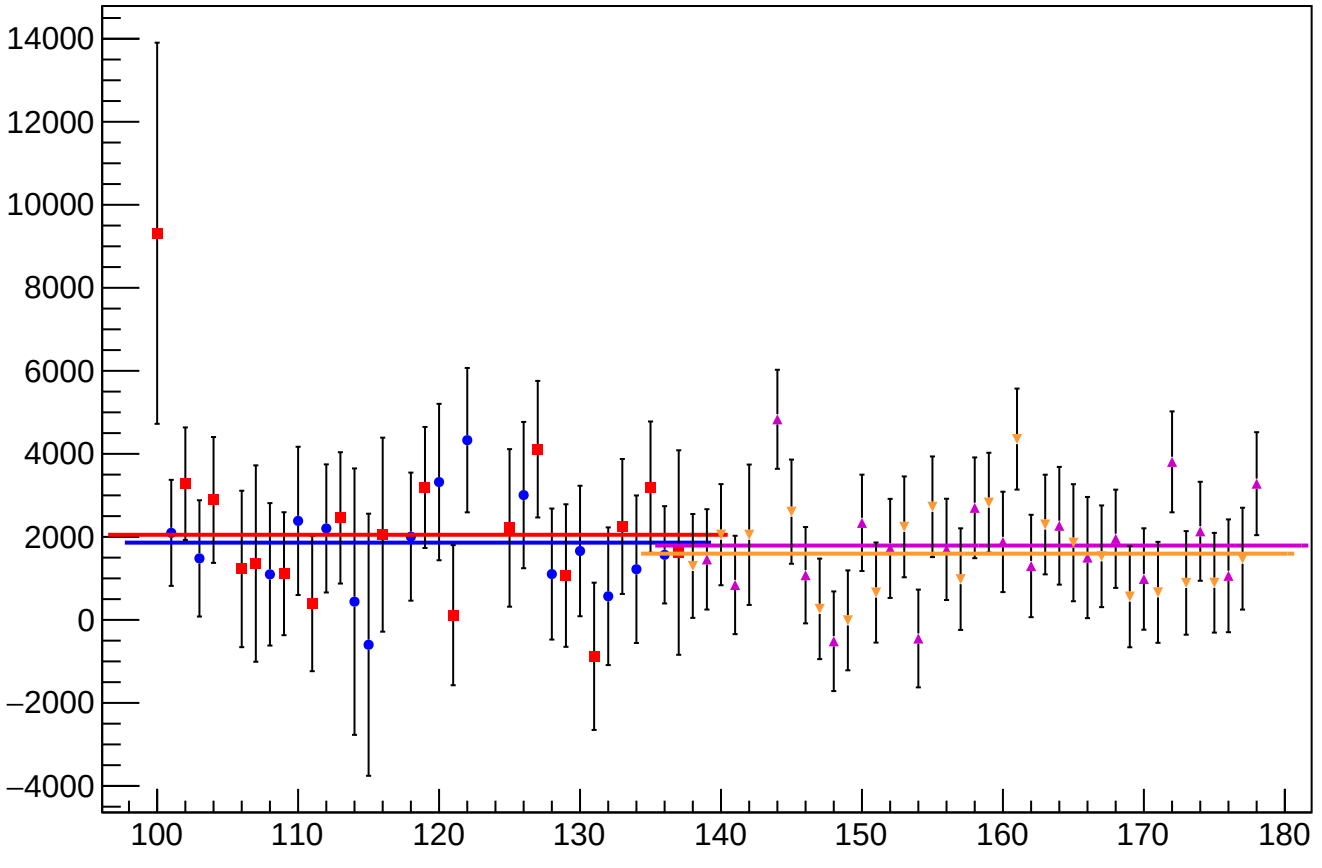
Left: 1477.644+/-0.188 χ^2/NDF: 1697461.7/39

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

In: 1162.402+/-0.179 χ^2/NDF:4705789.5/35

Out: 1158.331+/-0.180 χ^2/NDF:4757206.2/37

All: 1160.381+/-0.127 χ^2/NDF: 9463252.1/73



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: 1790.956+/-274.038 χ^2/NDF:21.0/19

Left: 1694.897+/-195.078 χ^2/NDF: 35.7/39

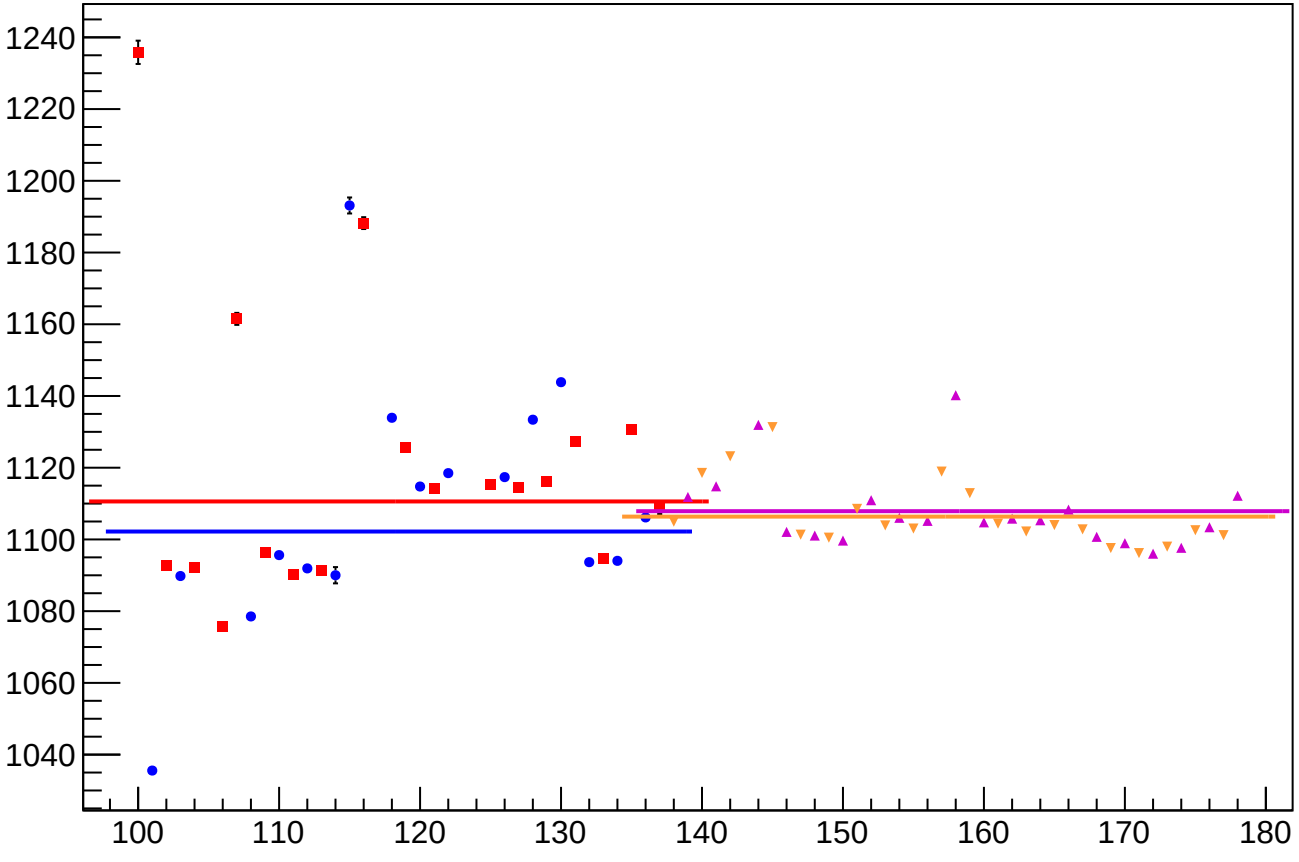
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1812.782+/-227.751 χ^2/NDF:26.4/35

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

All: 1776.517+/-161.773 χ^2/NDF: 54.3/73

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: 1107.879+/-0.194 χ^2/NDF:3152.9/19

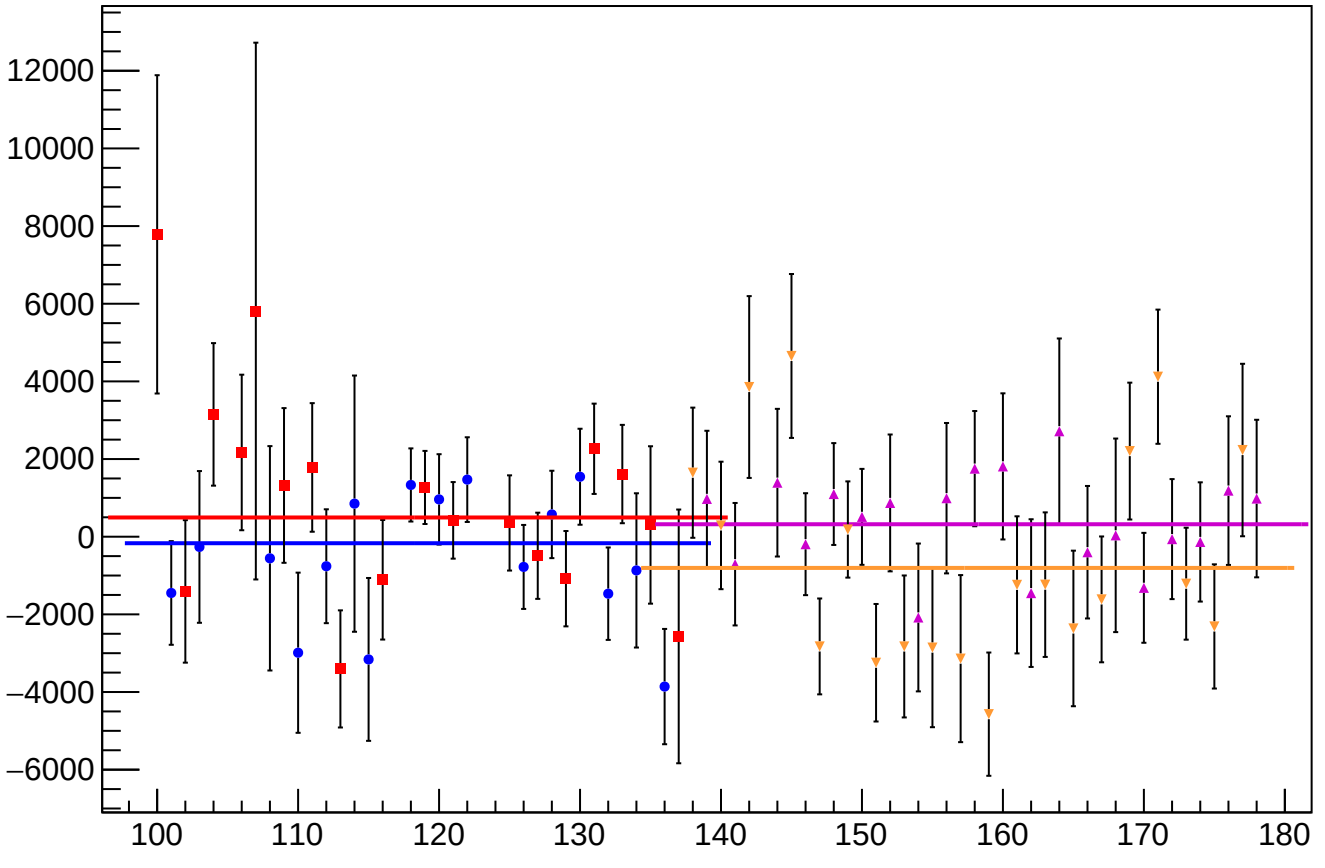
Left: 1107.132+/-0.138 χ^2/NDF: 5195.5/39

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

In: 1106.124+/-0.161 χ^2/NDF:14767.0/35

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

All: 1106.904+/-0.114 χ^2/NDF: 24668.9/73



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: 320.949+/-371.769 χ^2/NDF:8.6/19

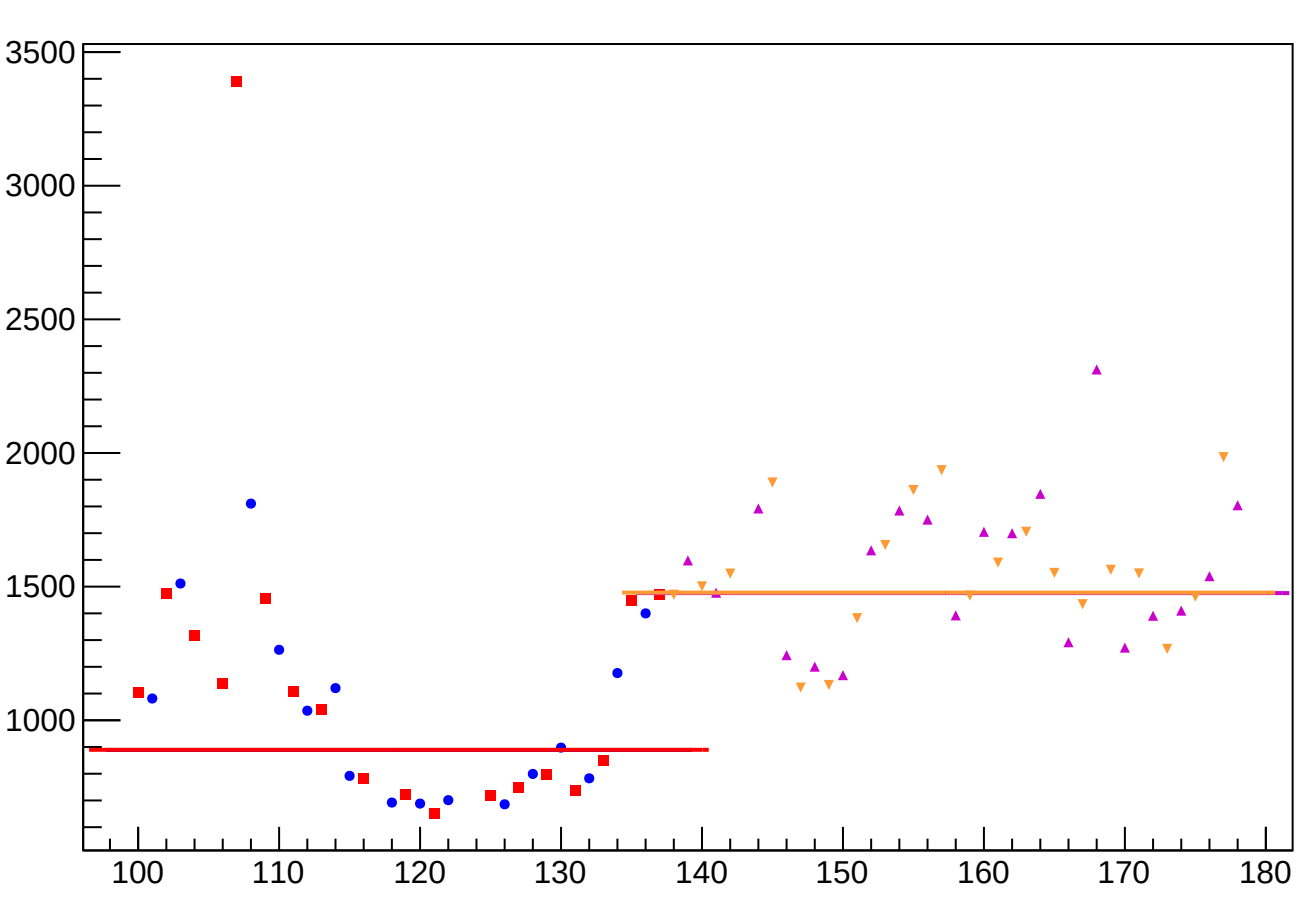
Left: -232.145+/-265.052 χ^2/NDF: 56.2/39

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

In: 58.608+/-253.060 χ^2/NDF:30.6/35

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

All: -17.814+/-179.566 χ^2/NDF: 103.5/73



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: 1475.837+/-0.263 χ^2/NDF:915251.9/19

Left: 1476.774+/-0.187 χ^2/NDF: 1700100.4/39

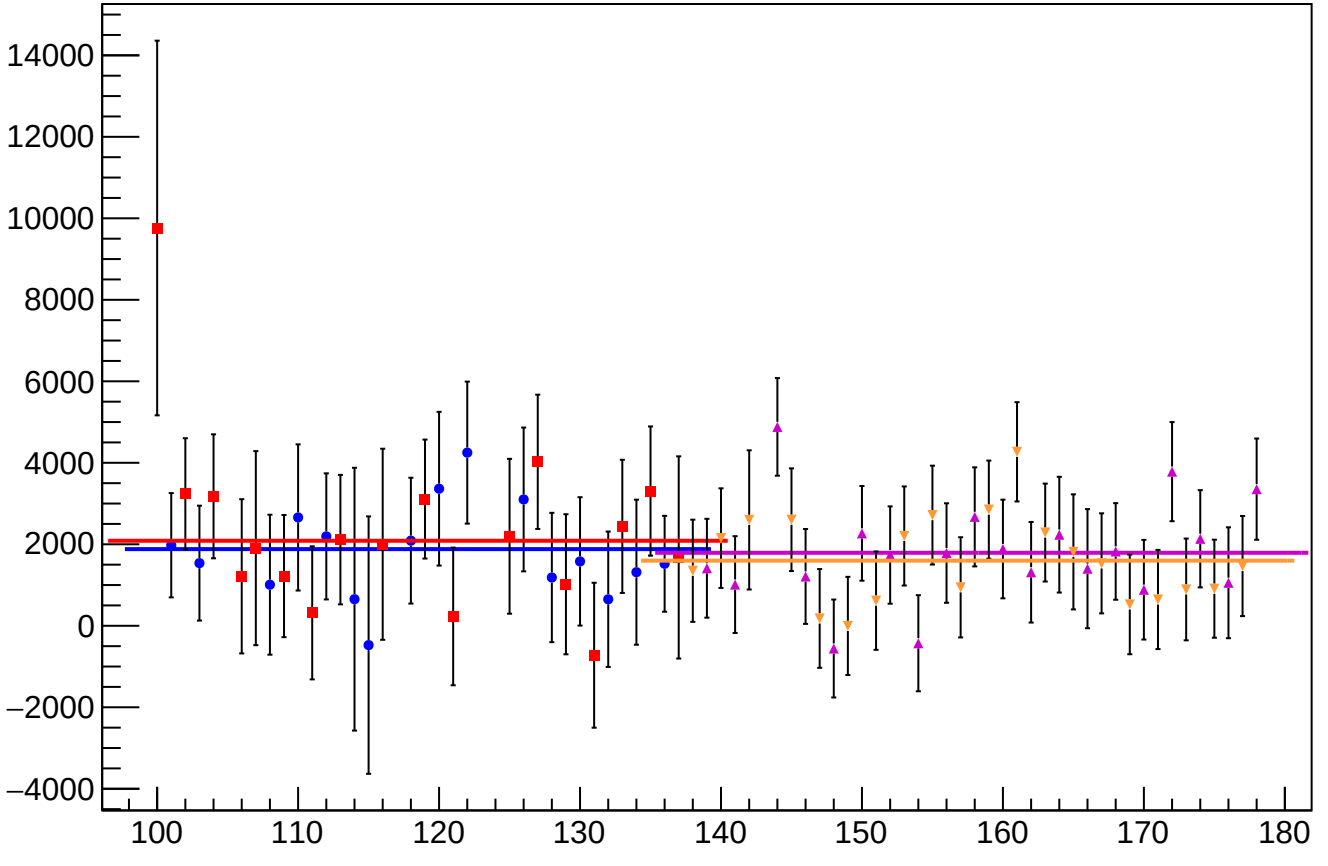
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1160.882+/-0.179 χ^2/NDF:4722765.8/35

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

All: 1158.891+/-0.127 χ^2/NDF: 9495864.6/73

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: 1791.906+/-274.489 χ^2/NDF:21.0/19

Left: 1696.780+/-195.425 χ^2/NDF: 35.9/39

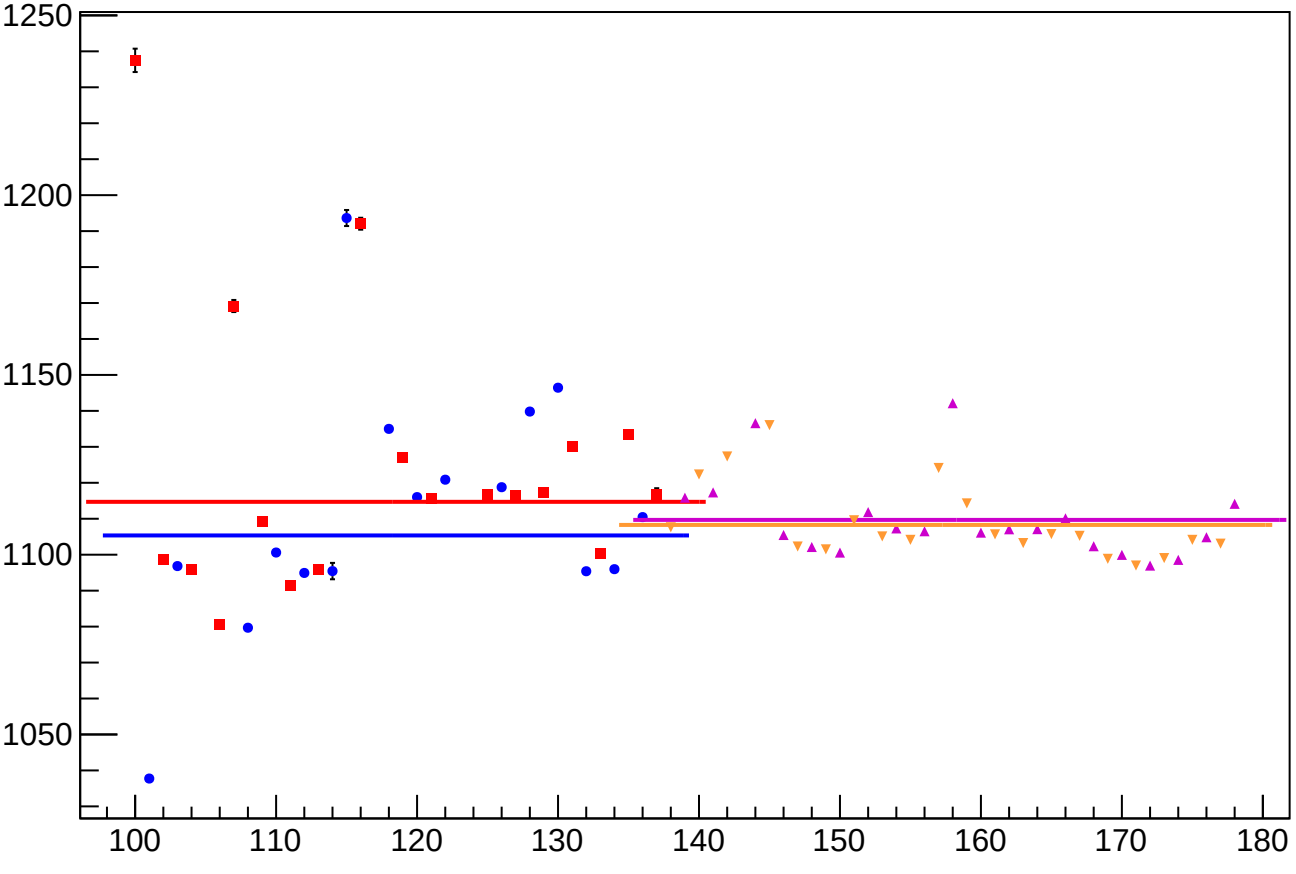
Right: 1984.184+/-290.439 χ^2/NDF: 17.7/33

In: 1819.577+/-228.212 χ^2/NDF:26.2/35

Out: 1752.480+/-230.401 χ^2/NDF:28.0/37

All: 1786.349+/-162.139 χ^2/NDF: 54.3/73

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: 1109.680+/-0.194 χ^2/NDF:3502.5/19

Left: 1108.990+/-0.138 χ^2/NDF: 6067.8/39

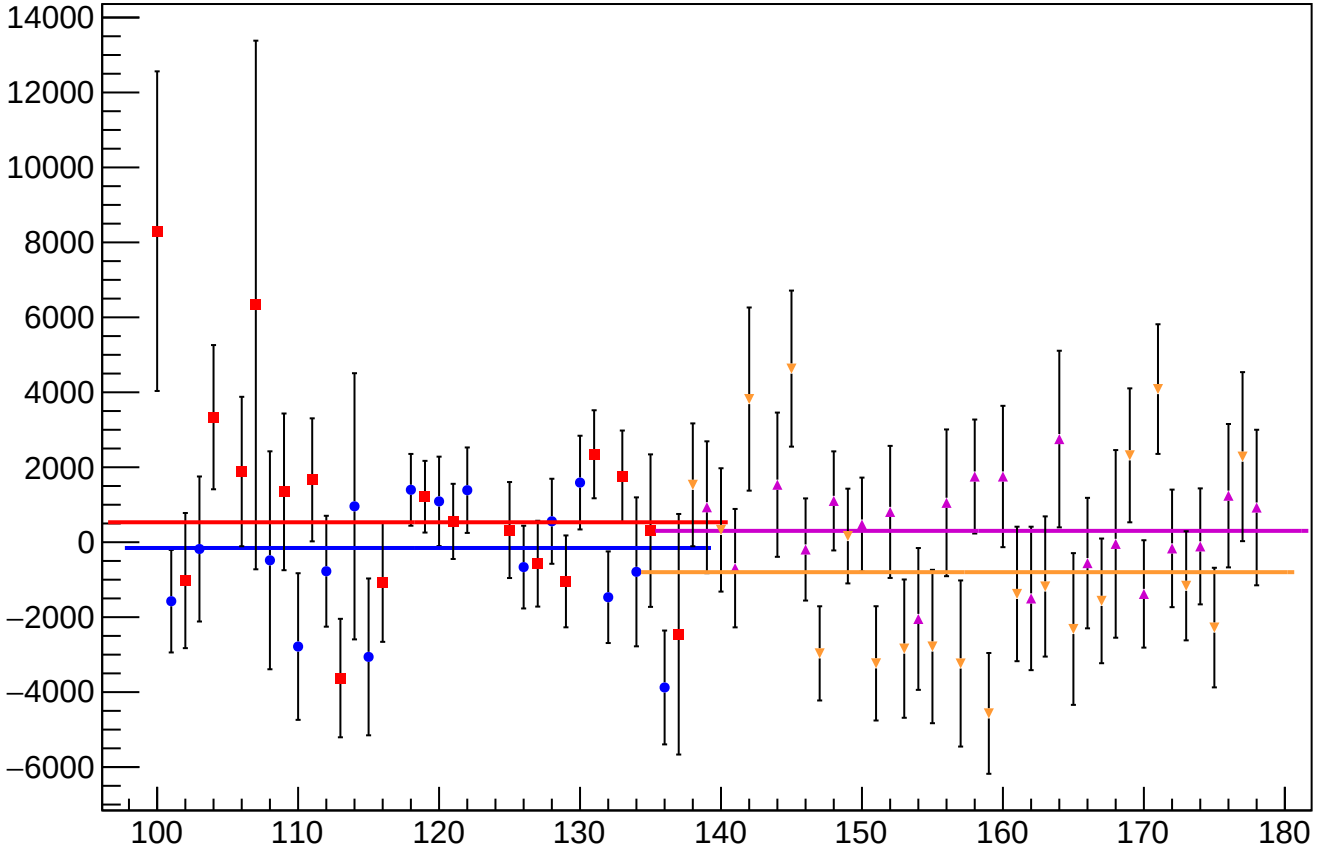
Right: 1110.029+/-0.205 χ^2/NDF: 19179.4/33

In: 1108.345+/-0.161 χ^2/NDF:14986.7/35

Out: 1110.302+/-0.163 χ^2/NDF:10205.2/37

All: 1109.314+/-0.115 χ^2/NDF: 25264.8/73

asym_usl_dit_correction_mean vs Slug, Sign Corrected



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: 302.746+/-375.900 χ^2/NDF:8.8/19

Left: -239.655+/-267.858 χ^2/NDF: 55.6/39

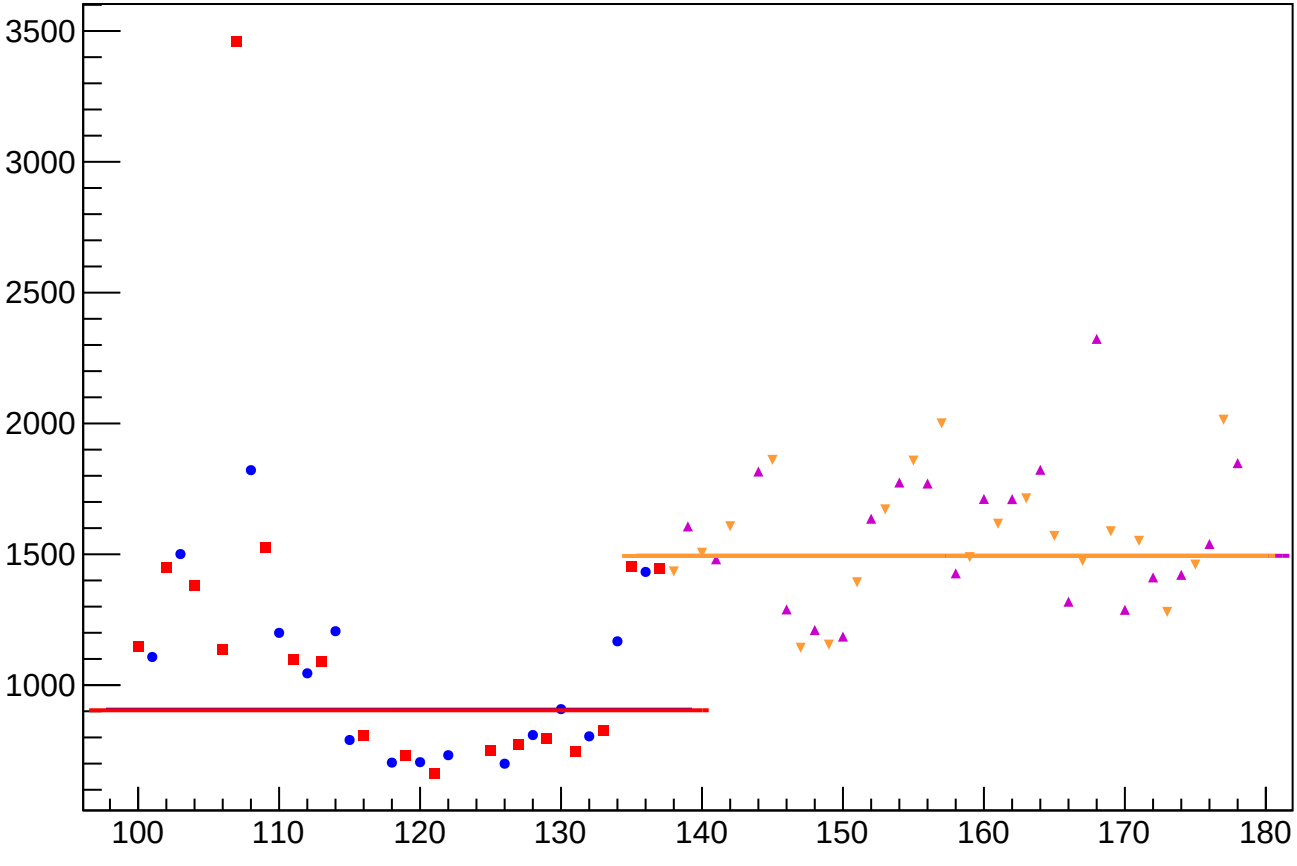
Right: 189.968+/-248.097 χ^2/NDF: 45.6/33

In: 58.951+/-256.670 χ^2/NDF:30.1/35

Out: -76.559+/-258.157 χ^2/NDF:72.4/37

All: -8.412+/-182.016 χ^2/NDF: 102.6/73

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: 1494.263+/-0.266 χ^2/NDF:865104.3/19

Left: 1493.900+/-0.189 χ^2/NDF: 1627973.5/39

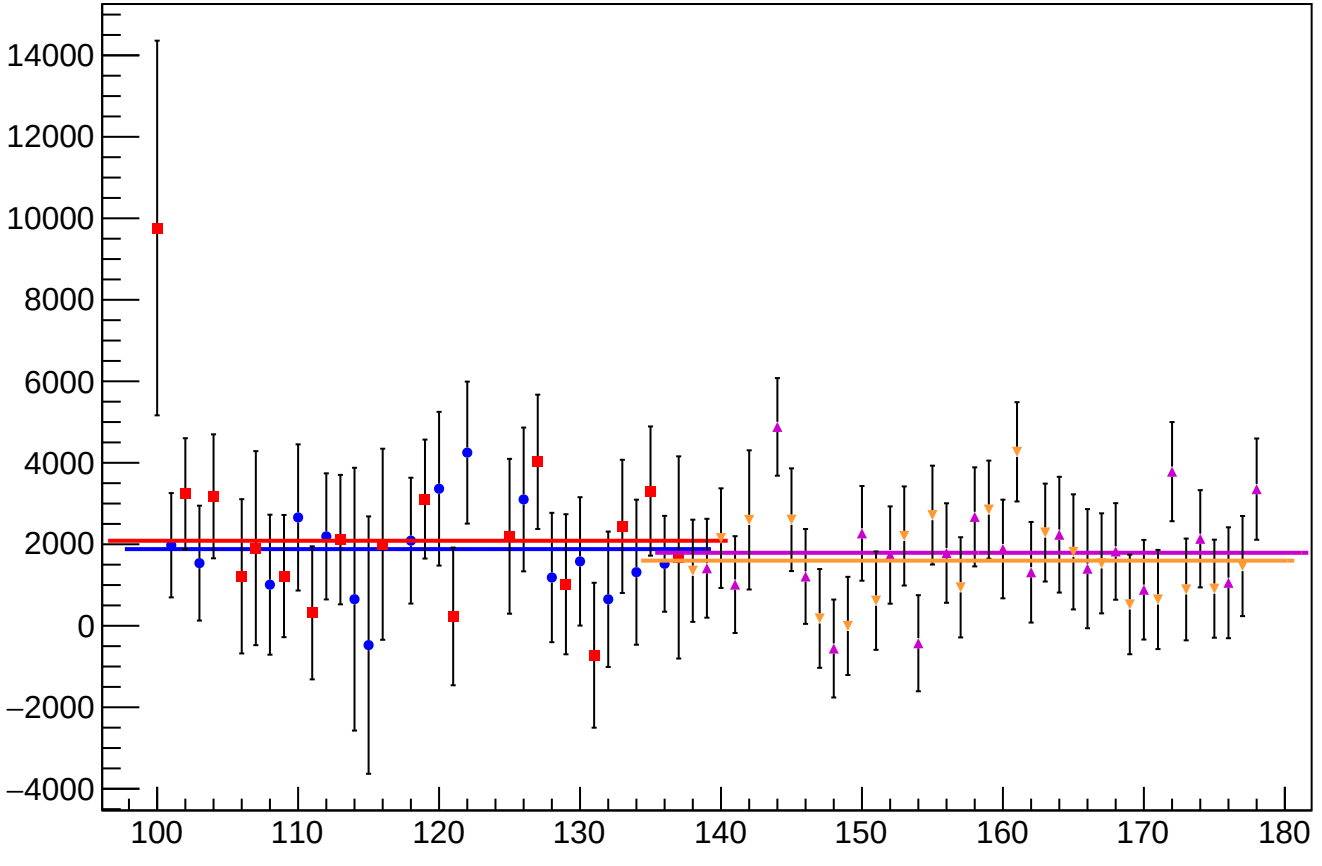
Right: 904.892+/-0.175 χ^2/NDF: 2419459.6/33

In: 1180.288+/-0.181 χ^2/NDF:4558654.3/35

Out: 1173.411+/-0.183 χ^2/NDF:4693342.2/37

All: 1176.869+/-0.129 χ^2/NDF: 9252710.1/73

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: 1791.908+/-274.489 χ^2/NDF:21.0/19

Left: 1696.779+/-195.425 χ^2/NDF: 35.9/39

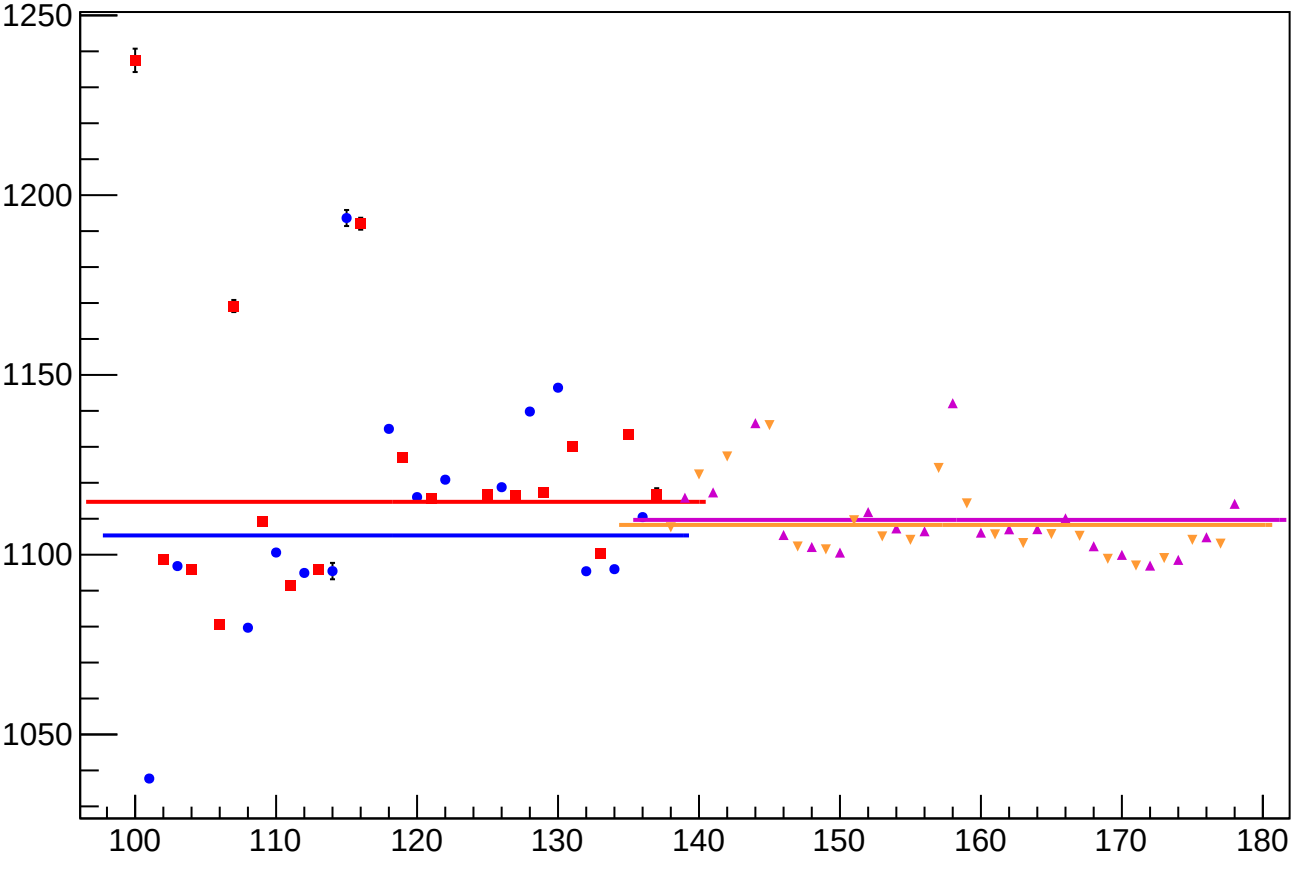
Right: 1984.182+/-290.439 χ^2/NDF: 17.7/33

In: 1819.578+/-228.212 χ^2/NDF:26.2/35

Out: 1752.477+/-230.401 χ^2/NDF:28.0/37

All: 1786.348+/-162.139 χ^2/NDF: 54.3/73

eigen_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: 7330.2/17

Left In: 1109.680+/-0.194 χ^2/NDF:3502.5/19

Left: 1108.990+/-0.138 χ^2/NDF: 6067.8/39

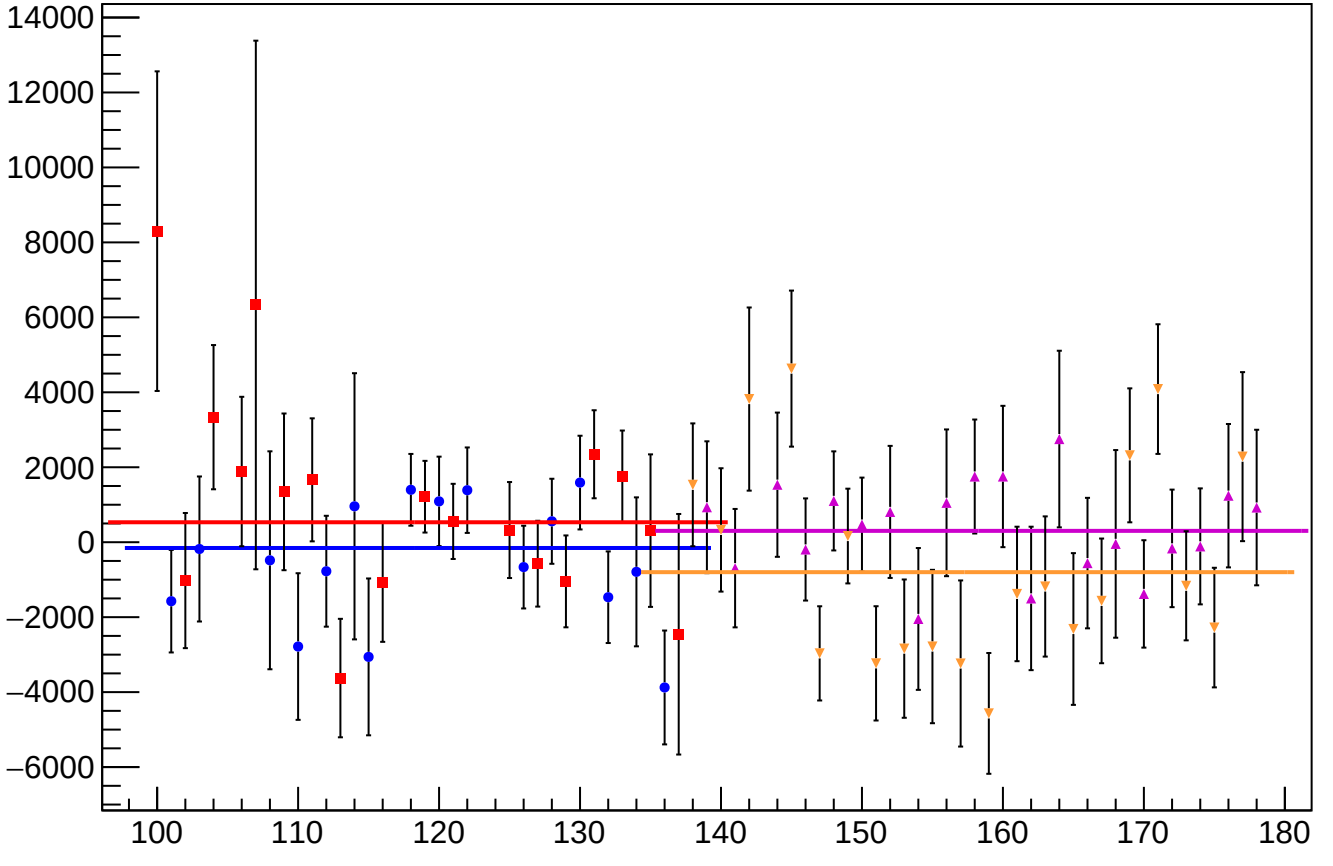
Right: 1110.029+/-0.205 χ^2/NDF: 19179.3/33

In: 1108.345+/-0.161 χ^2/NDF:14986.7/35

Out: 1110.302+/-0.163 χ^2/NDF:10205.2/37

All: 1109.314+/-0.115 χ^2/NDF: 25264.7/73

asym_usl_eigen_dit_correction_mean vs Slug, Sign Corrected



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: 302.747+/-375.900 χ^2/NDF:8.8/19

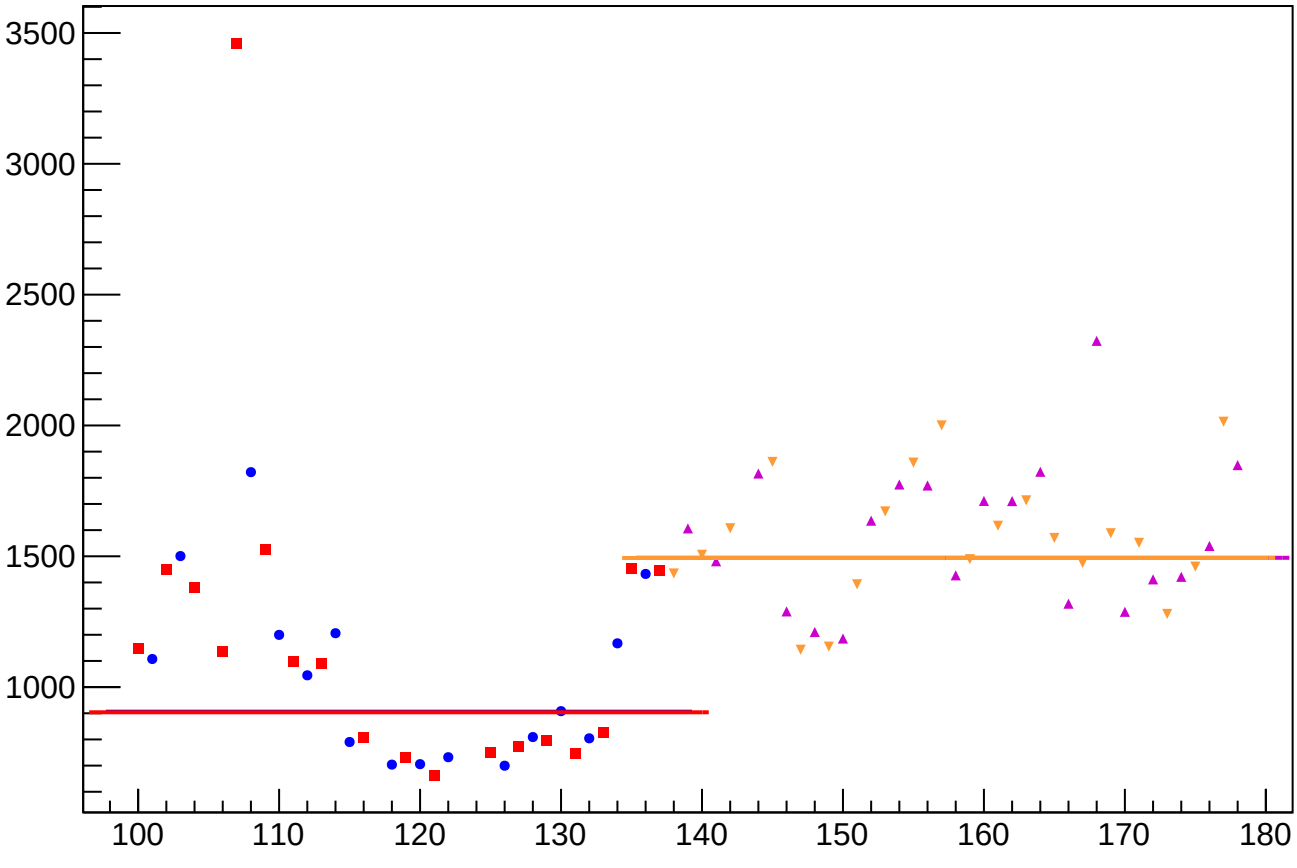
Left: -239.656+/-267.858 χ^2/NDF: 55.6/39

Right: 189.969+/-248.096 χ^2/NDF: 45.6/33

In: 58.952+/-256.670 χ^2/NDF:30.1/35

Out: -76.559+/-258.156 χ^2/NDF:72.4/37

All: -8.412+/-182.016 χ^2/NDF: 102.6/73



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: 1494.264+/-0.266 χ^2/NDF:865100.9/19

Left: 1493.902+/-0.189 χ^2/NDF: 1627966.5/39

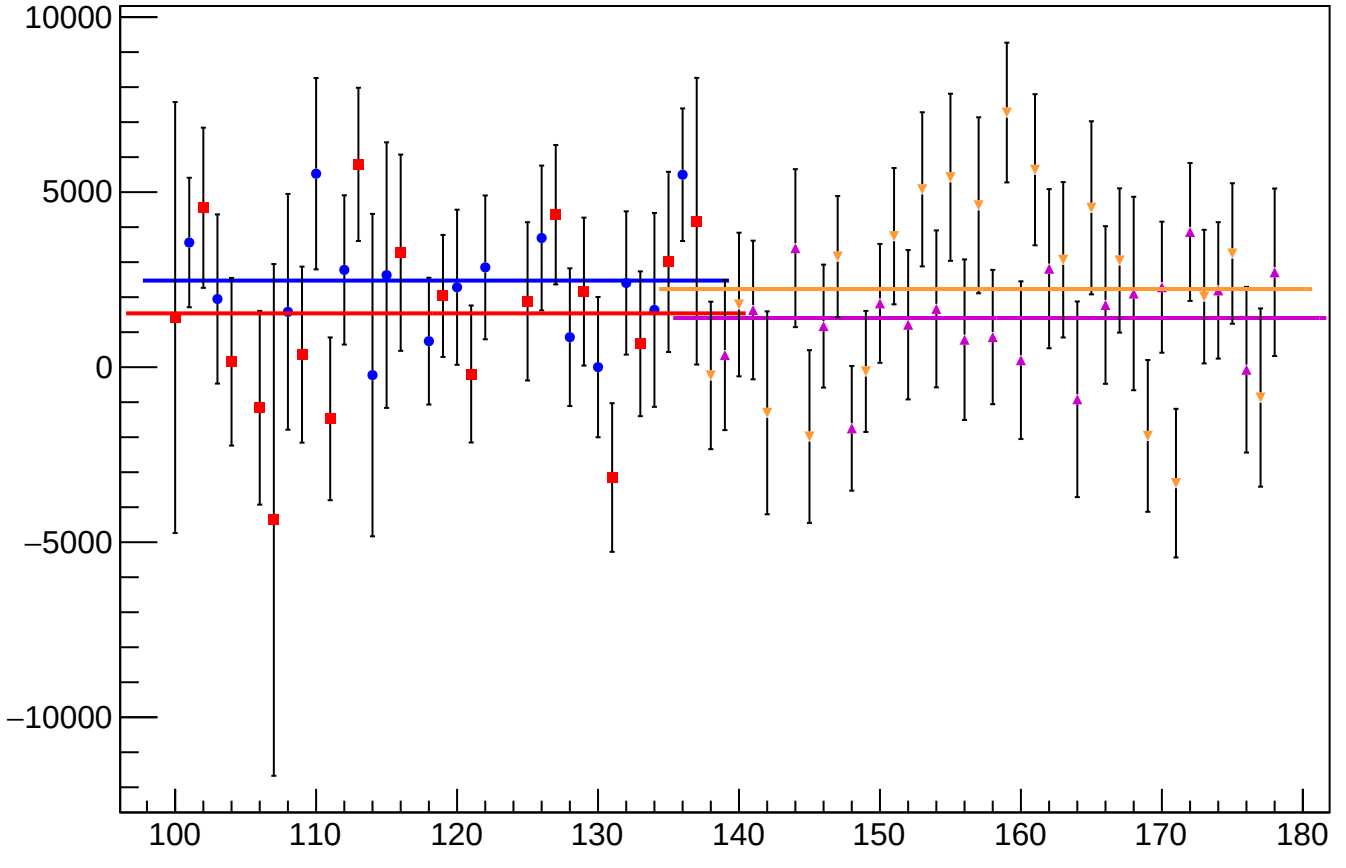
Right: 904.890+/-0.175 χ^2/NDF: 2419467.8/33

In: 1180.287+/-0.181 χ^2/NDF:4558688.7/35

Out: 1173.410+/-0.183 χ^2/NDF:4693376.8/37

All: 1176.868+/-0.129 χ^2/NDF: 9252779.1/73

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: 1405.134+/-469.195 χ^2/NDF:8.5/19

Left: 1812.426+/-334.436 χ^2/NDF: 45.3/39

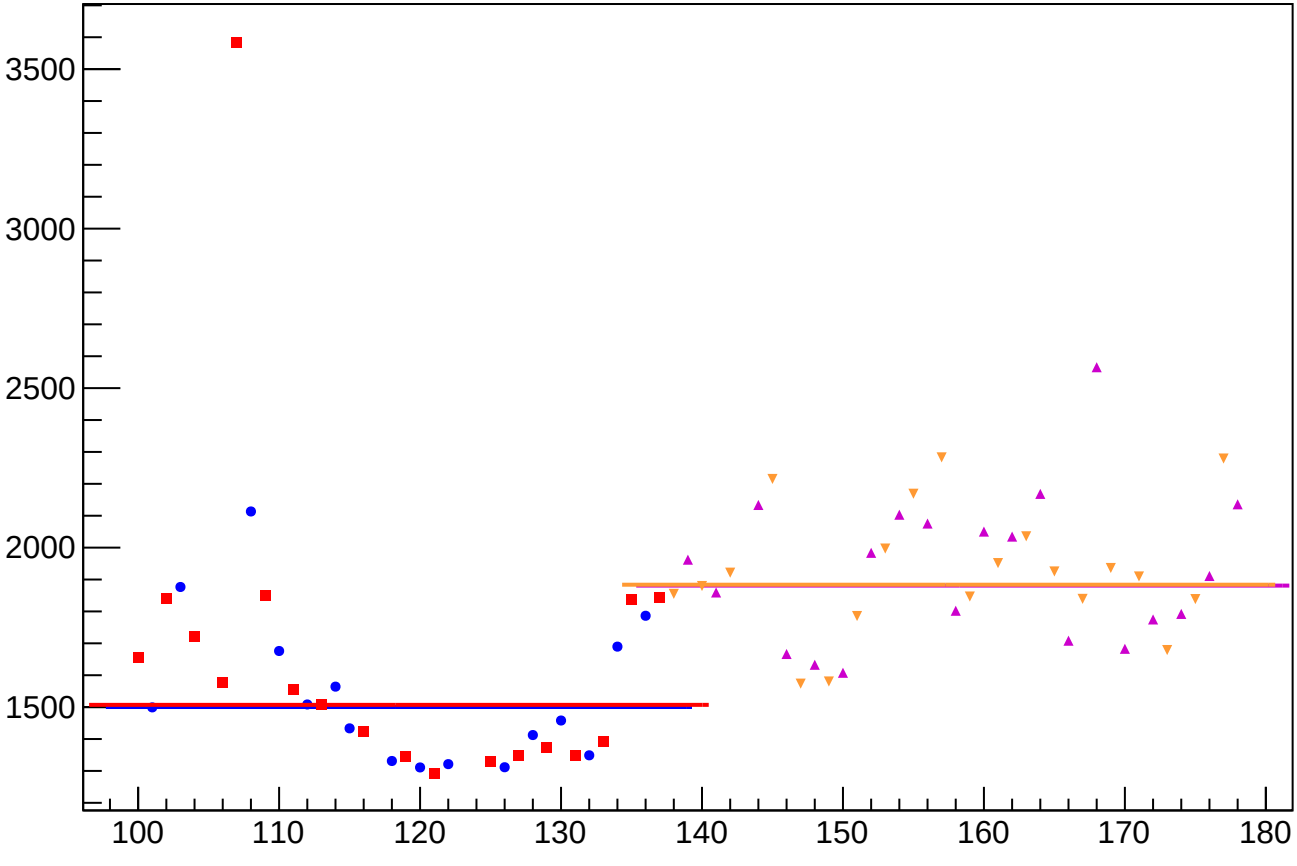
Right: 2006.383+/-398.225 χ^2/NDF: 28.1/33

In: 1843.440+/-360.383 χ^2/NDF:18.9/35

Out: 1942.846+/-364.011 χ^2/NDF:54.7/37

All: 1892.645+/-256.103 χ^2/NDF: 73.6/73

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: 1880.963+/-0.332 χ^2/NDF:422206.5/19

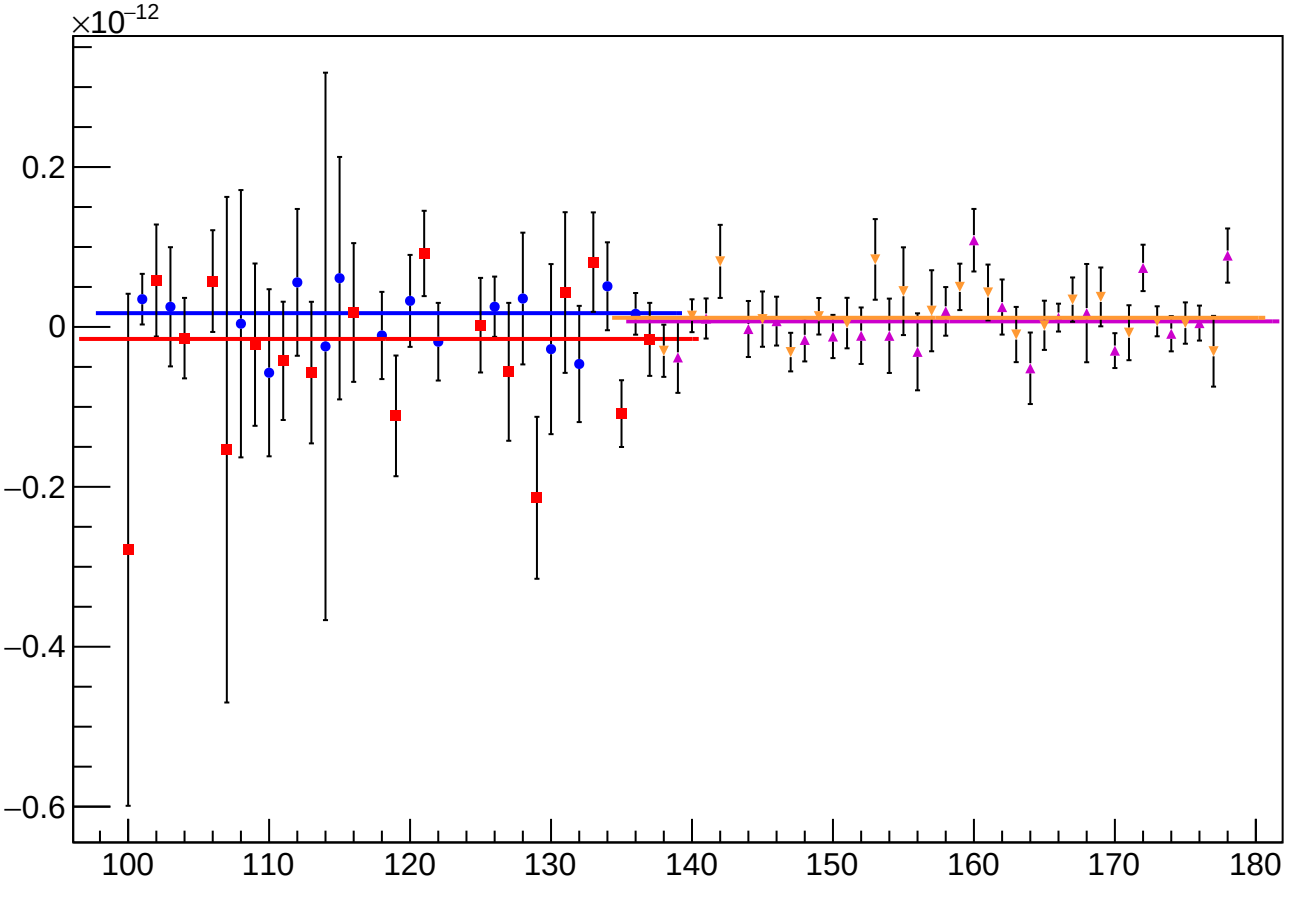
Left: 1882.336+/-0.236 χ^2/NDF: 761560.8/39

Right: 1503.733+/-0.282 χ^2/NDF: 660162.8/33

In: 1724.907+/-0.255 χ^2/NDF:1220578.0/35

Out: 1726.609+/-0.257 χ^2/NDF:1261209.7/37

All: 1725.749+/-0.181 χ^2/NDF: 2481809.8/73



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:26.9/19

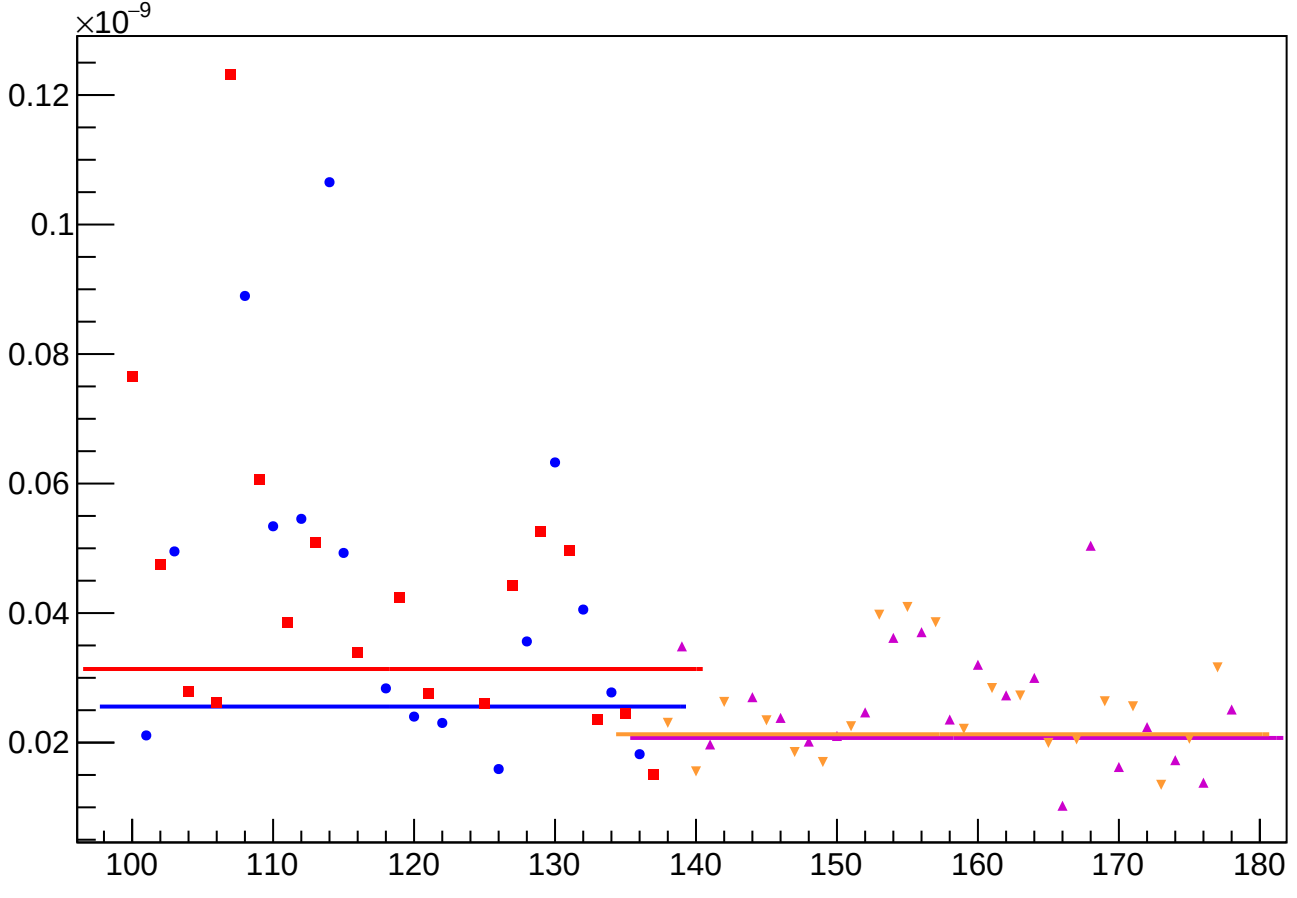
Left: 0.000+/-0.000 χ^2/NDF: 42.4/39

Right: 0.000+/-0.000 χ^2/NDF: 27.0/33

In: 0.000+/-0.000 χ^2/NDF:30.8/35

Out: 0.000+/-0.000 χ^2/NDF:38.8/37

All: 0.000+/-0.000 χ^2/NDF: 69.6/73



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:2672630.1/19

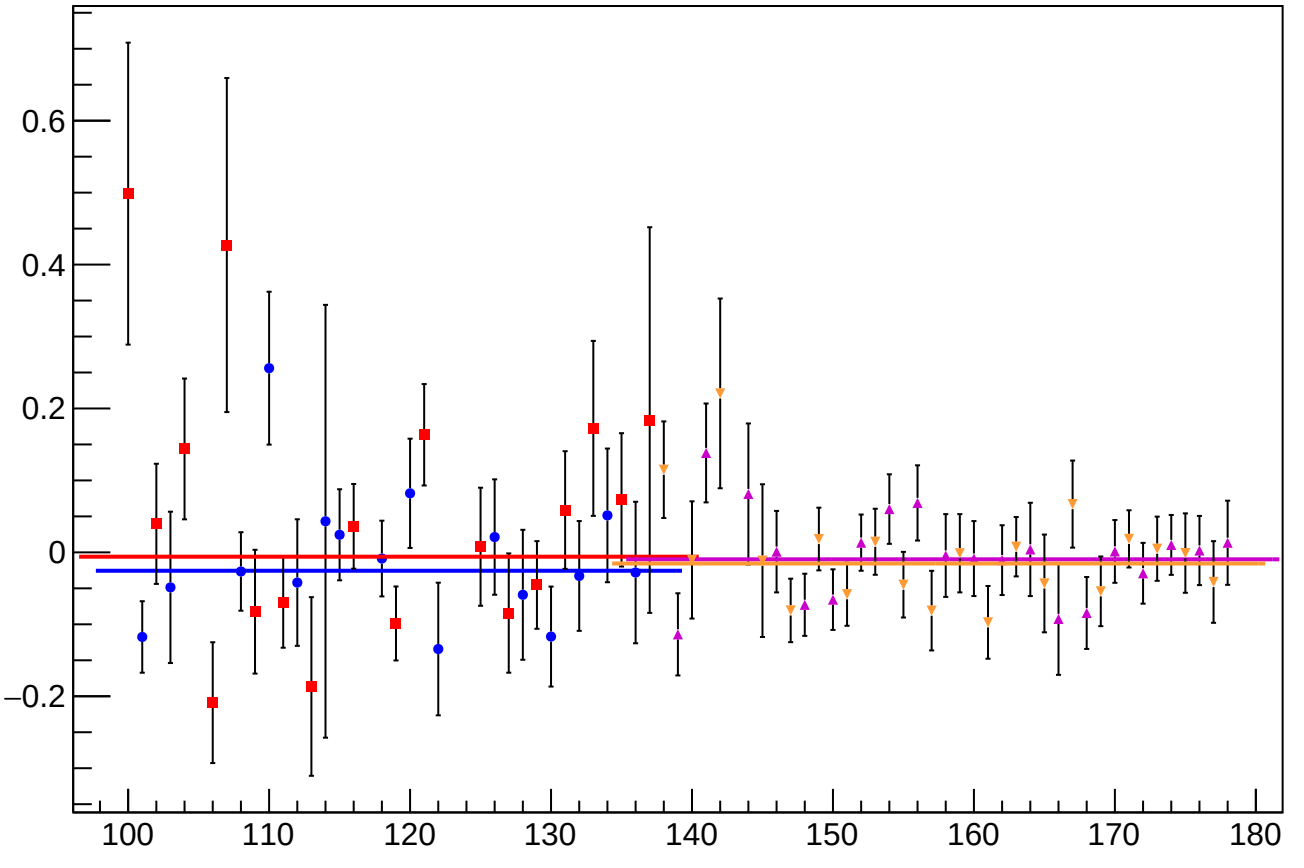
Left: 0.000+/-0.000 χ^2/NDF: 4406879.7/39

Right: 0.000+/-0.000 χ^2/NDF: 3088169.6/33

In: 0.000+/-0.000 χ^2/NDF:4588646.1/35

Out: 0.000+/-0.000 χ^2/NDF:3622009.5/37

All: 0.000+/-0.000 χ^2/NDF: 8247021.0/73



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: -0.010+/-0.011 χ^2/NDF:21.6/19

Left: -0.012+/-0.008 χ^2/NDF: 41.6/39

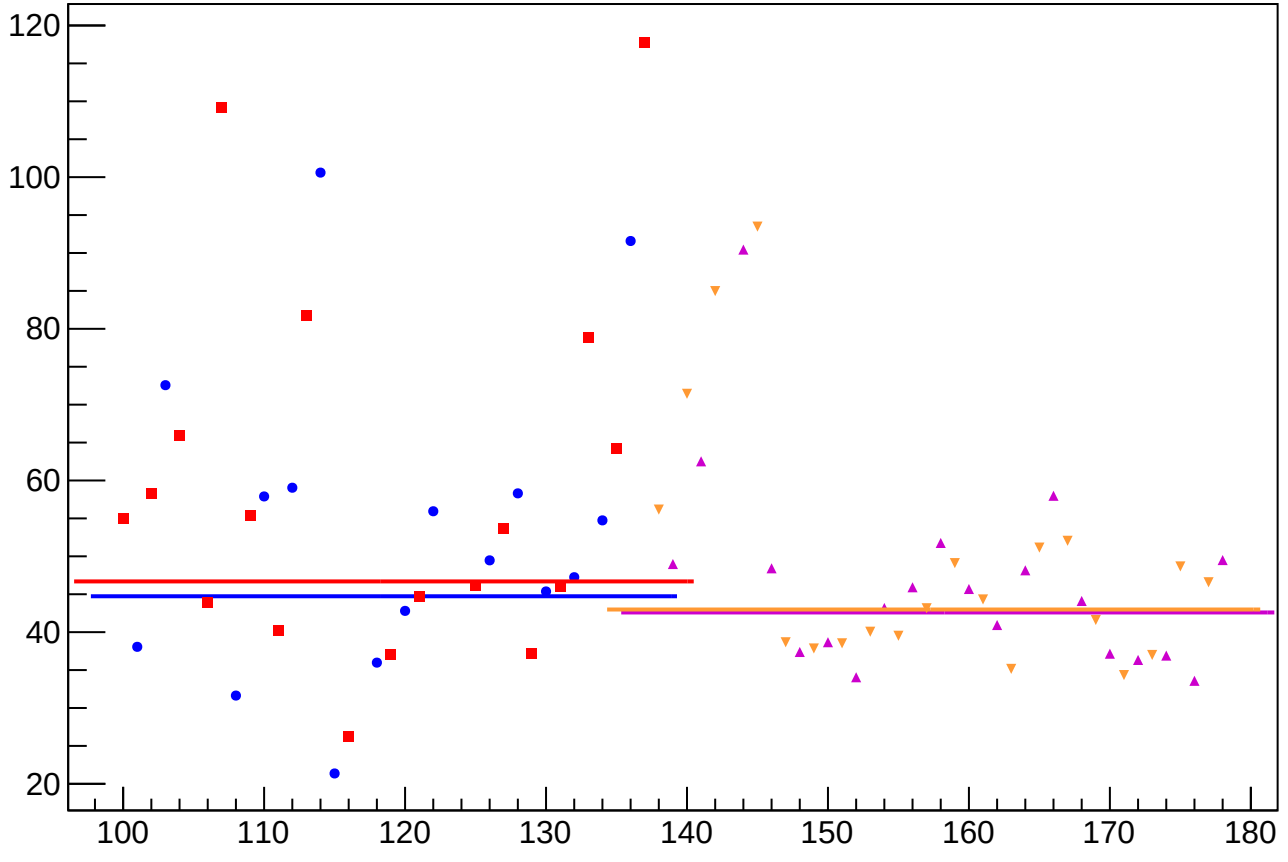
Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.014+/-0.010 χ^2/NDF:39.8/35

Out: -0.013+/-0.010 χ^2/NDF:56.6/37

All: -0.013+/-0.007 χ^2/NDF: 96.4/73

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: 42.597+/-0.008 χ^2/NDF:1207283.9/19

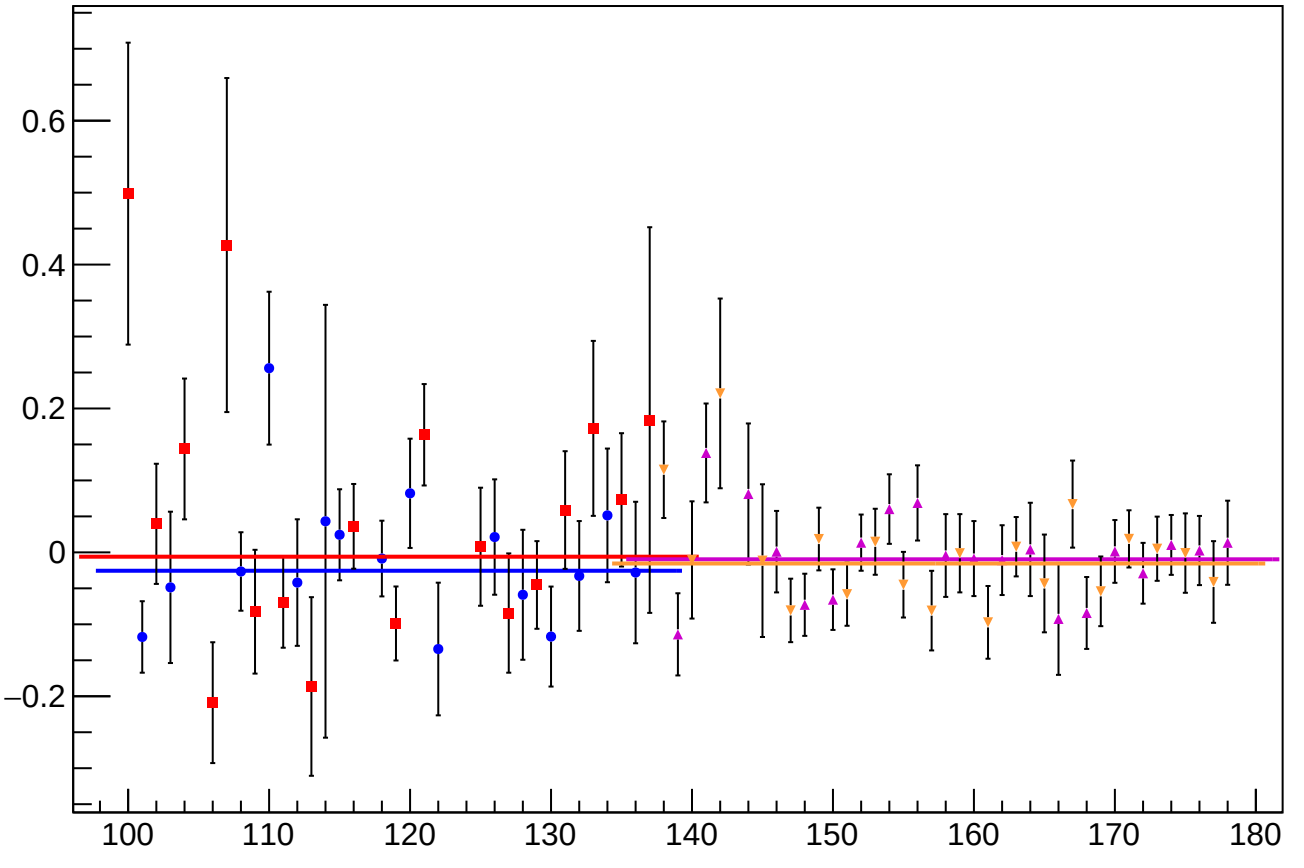
Left: 42.786+/-0.006 χ^2/NDF: 2605810.9/39

Right: 45.680+/-0.010 χ^2/NDF: 2540529.3/33

In: 43.168+/-0.007 χ^2/NDF:2560808.1/35

Out: 43.969+/-0.007 χ^2/NDF:2646467.9/37

All: 43.557+/-0.005 χ^2/NDF: 5213879.0/73



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: -0.010+/-0.011 χ^2/NDF:21.6/19

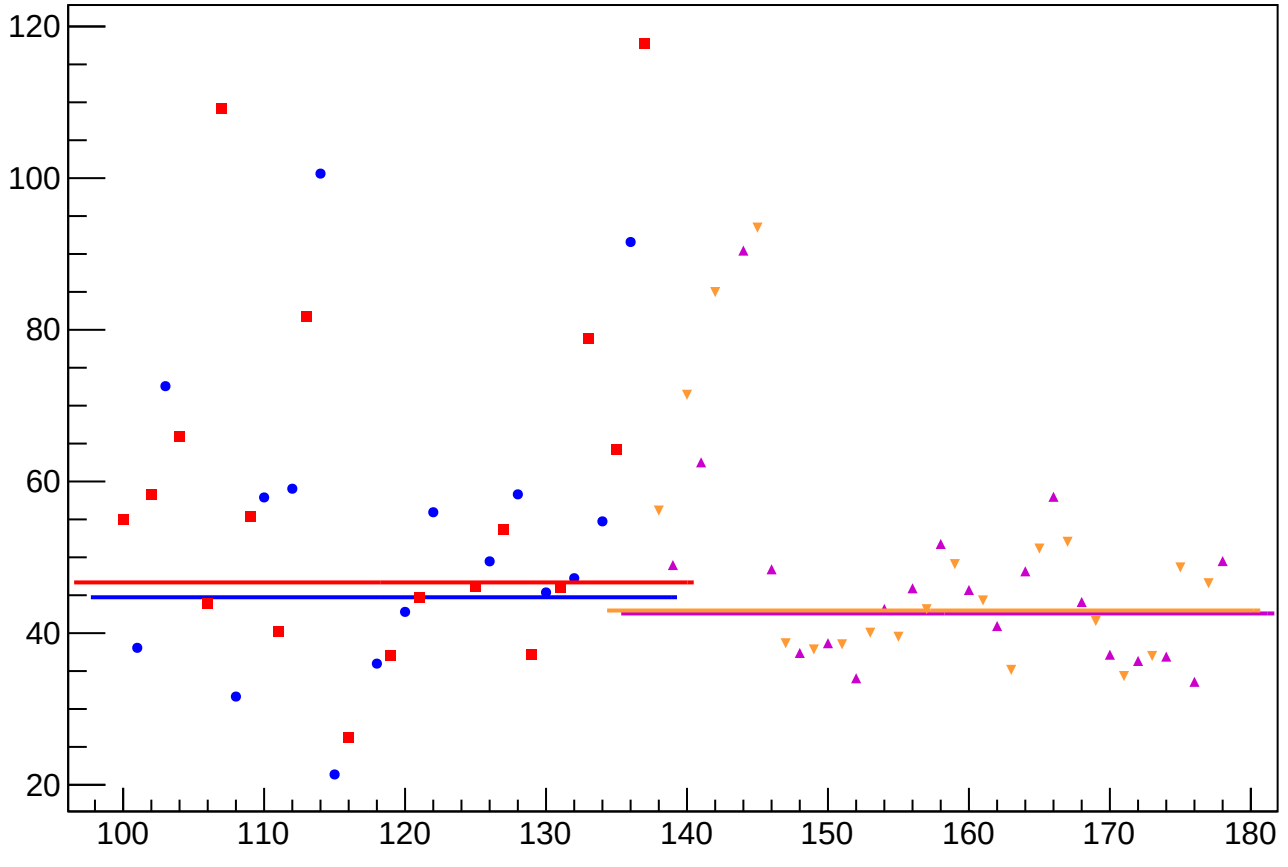
Left: -0.012+/-0.008 χ^2/NDF: 41.6/39

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.014+/-0.010 χ^2/NDF:39.8/35

Out: -0.013+/-0.010 χ^2/NDF:56.6/37

All: -0.013+/-0.007 χ^2/NDF: 96.4/73



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: 42.597+/-0.008 χ^2/NDF:1207283.9/19

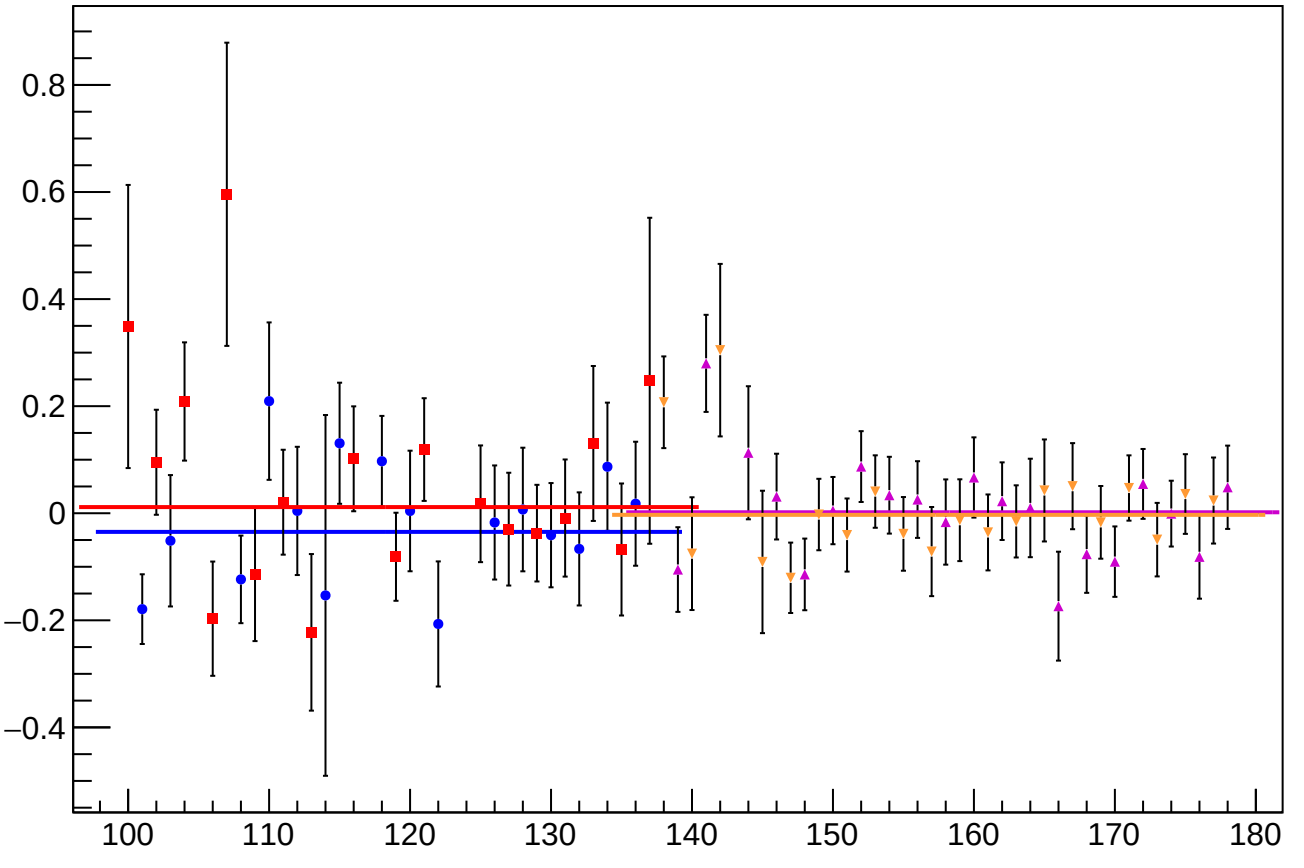
Left: 42.786+/-0.006 χ^2/NDF: 2605810.9/39

Right: 45.680+/-0.010 χ^2/NDF: 2540529.3/33

In: 43.168+/-0.007 χ^2/NDF:2560808.1/35

Out: 43.969+/-0.007 χ^2/NDF:2646467.9/37

All: 43.557+/-0.005 χ^2/NDF: 5213879.0/73



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: 0.002+/-0.017 χ^2/NDF:26.3/19

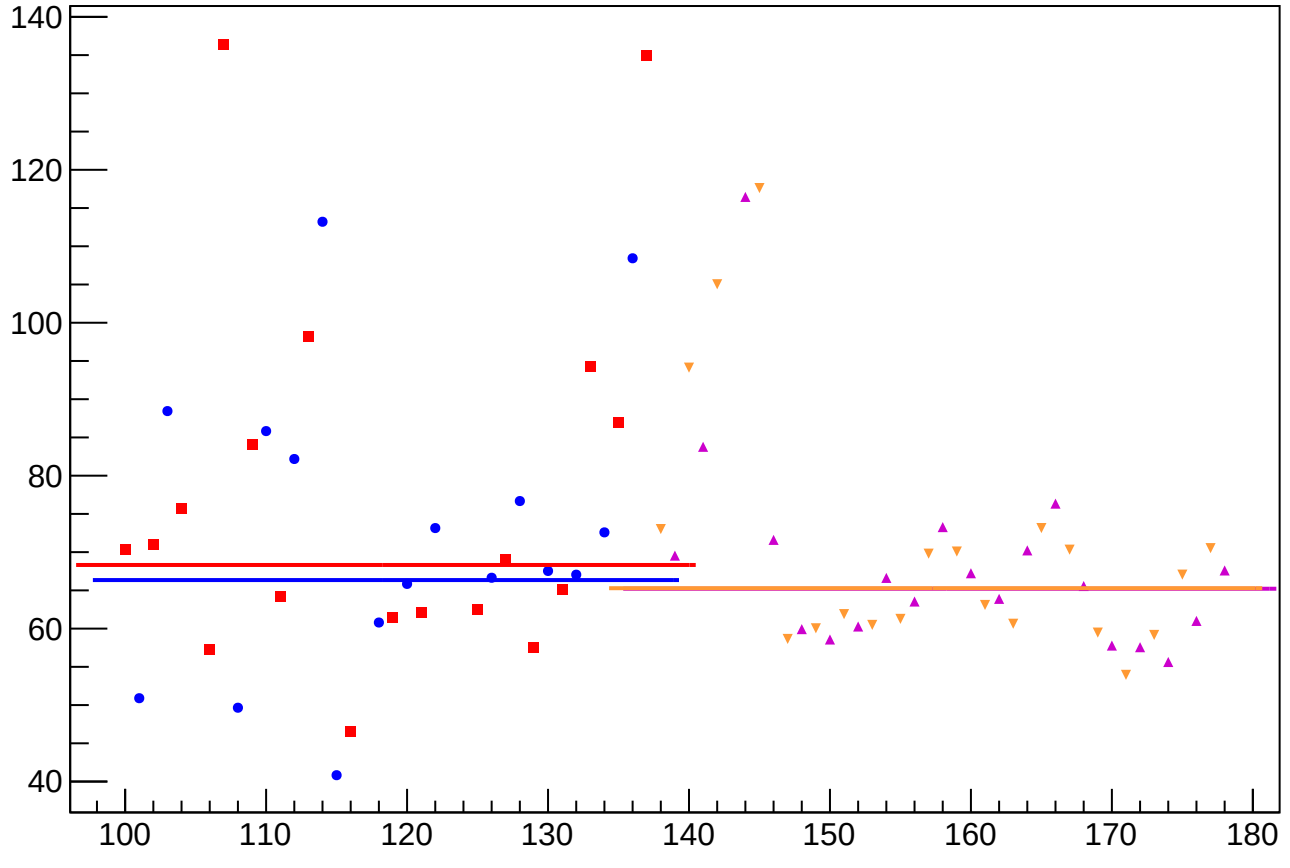
Left: -0.001+/-0.012 χ^2/NDF: 44.3/39

Right: -0.012+/-0.019 χ^2/NDF: 41.7/33

In: -0.009+/-0.014 χ^2/NDF:45.1/35

Out: 0.001+/-0.014 χ^2/NDF:40.9/37

All: -0.004+/-0.010 χ^2/NDF: 86.3/73



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: 65.215+/-0.012 χ^2/NDF:652054.8/19

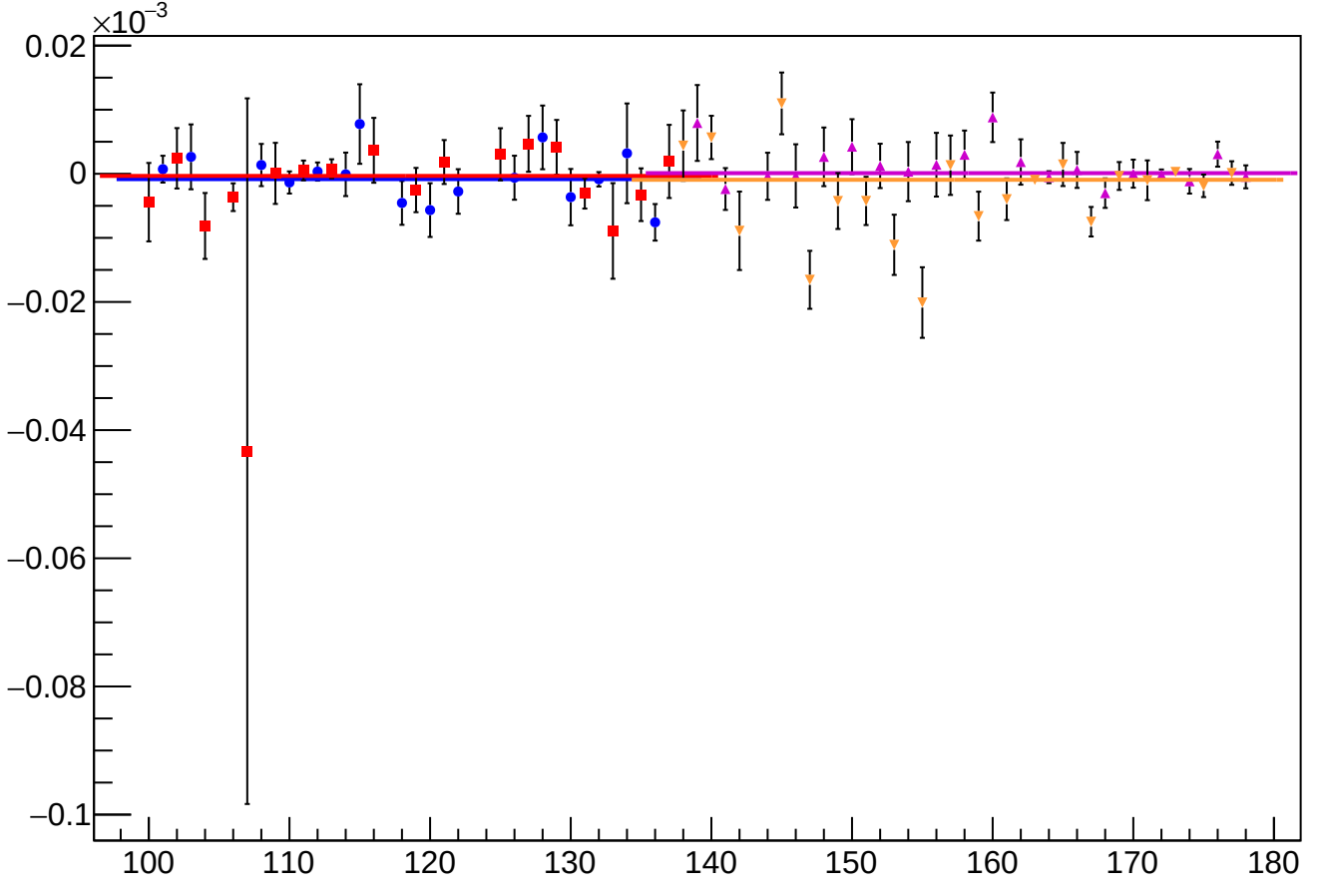
Left: 65.249+/-0.008 χ^2/NDF: 1460167.8/39

Right: 67.312+/-0.013 χ^2/NDF: 1407833.1/33

In: 65.541+/-0.010 χ^2/NDF:1427360.8/35

Out: 66.152+/-0.010 χ^2/NDF:1455987.2/37

All: 65.840+/-0.007 χ^2/NDF: 2885191.0/73



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:14.9/19

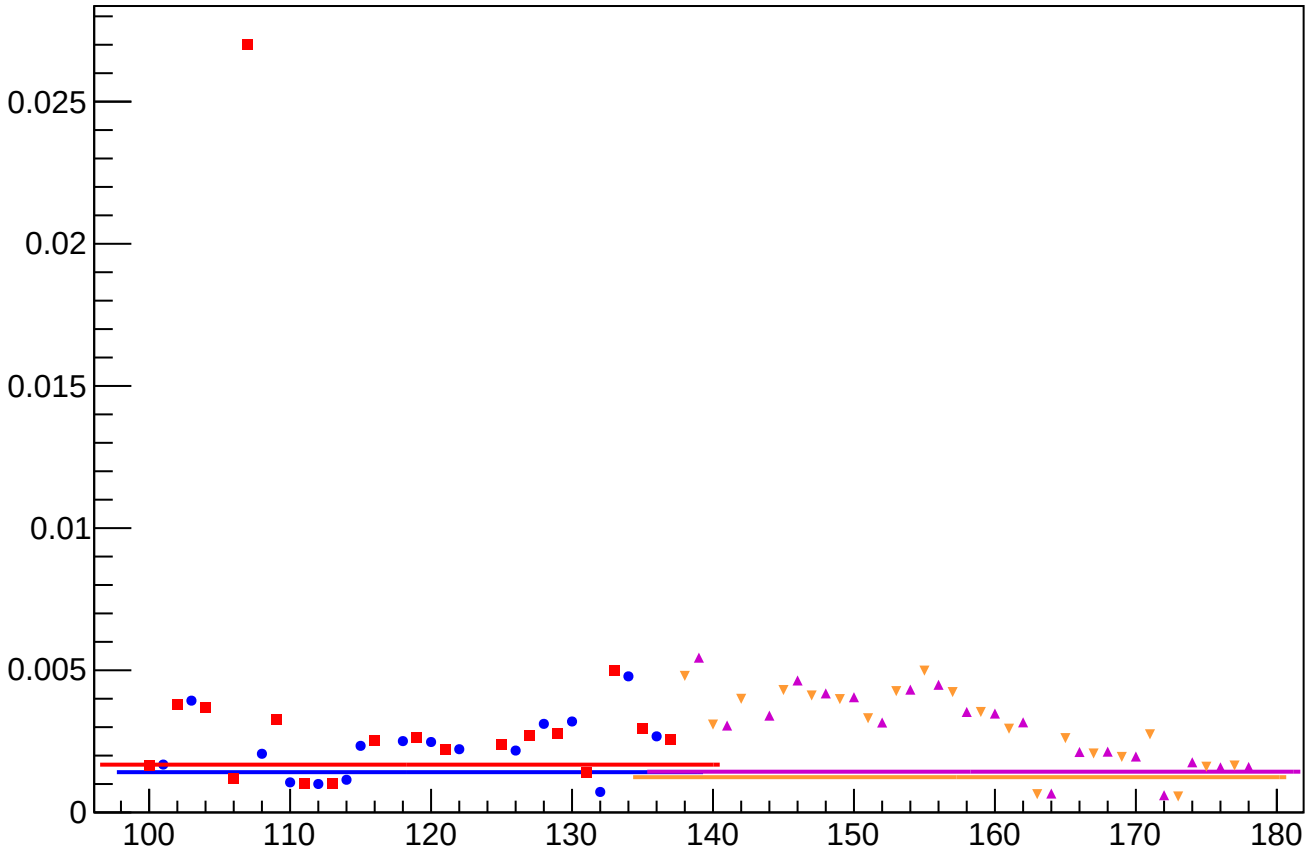
Left: -0.000+/-0.000 χ^2/NDF: 76.1/39

Right: -0.000+/-0.000 χ^2/NDF: 30.1/33

In: -0.000+/-0.000 χ^2/NDF:31.4/35

Out: -0.000+/-0.000 χ^2/NDF:73.8/37

All: -0.000+/-0.000 χ^2/NDF: 106.3/73



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:11993773.1/19

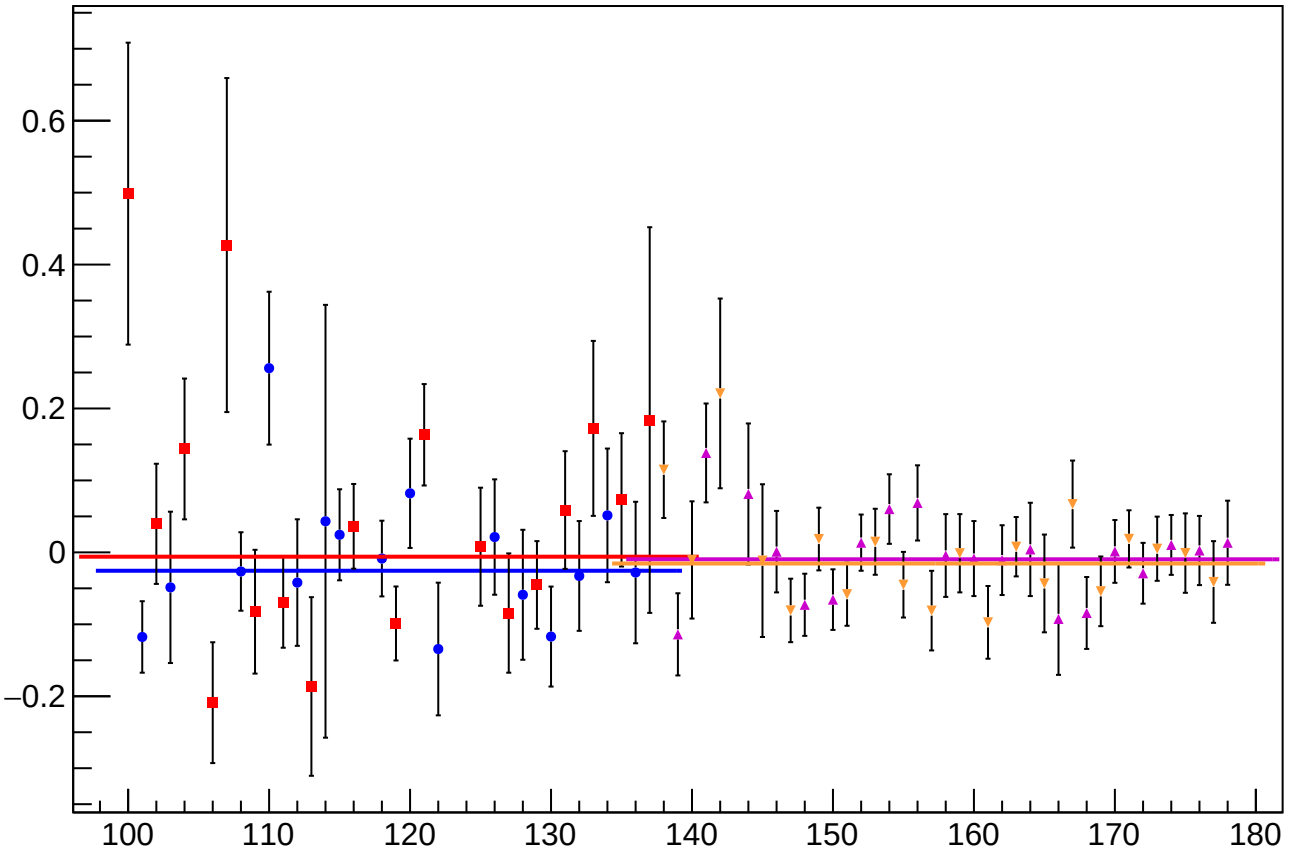
Left: 0.001+/-0.000 χ^2/NDF: 25550355.2/39

Right: 0.002+/-0.000 χ^2/NDF: 7128830.6/33

In: 0.001+/-0.000 χ^2/NDF:15541954.5/35

Out: 0.001+/-0.000 χ^2/NDF:17344519.0/37

All: 0.001+/-0.000 χ^2/NDF: 32930159.1/73



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: -0.010+/-0.011 χ^2/NDF:21.6/19

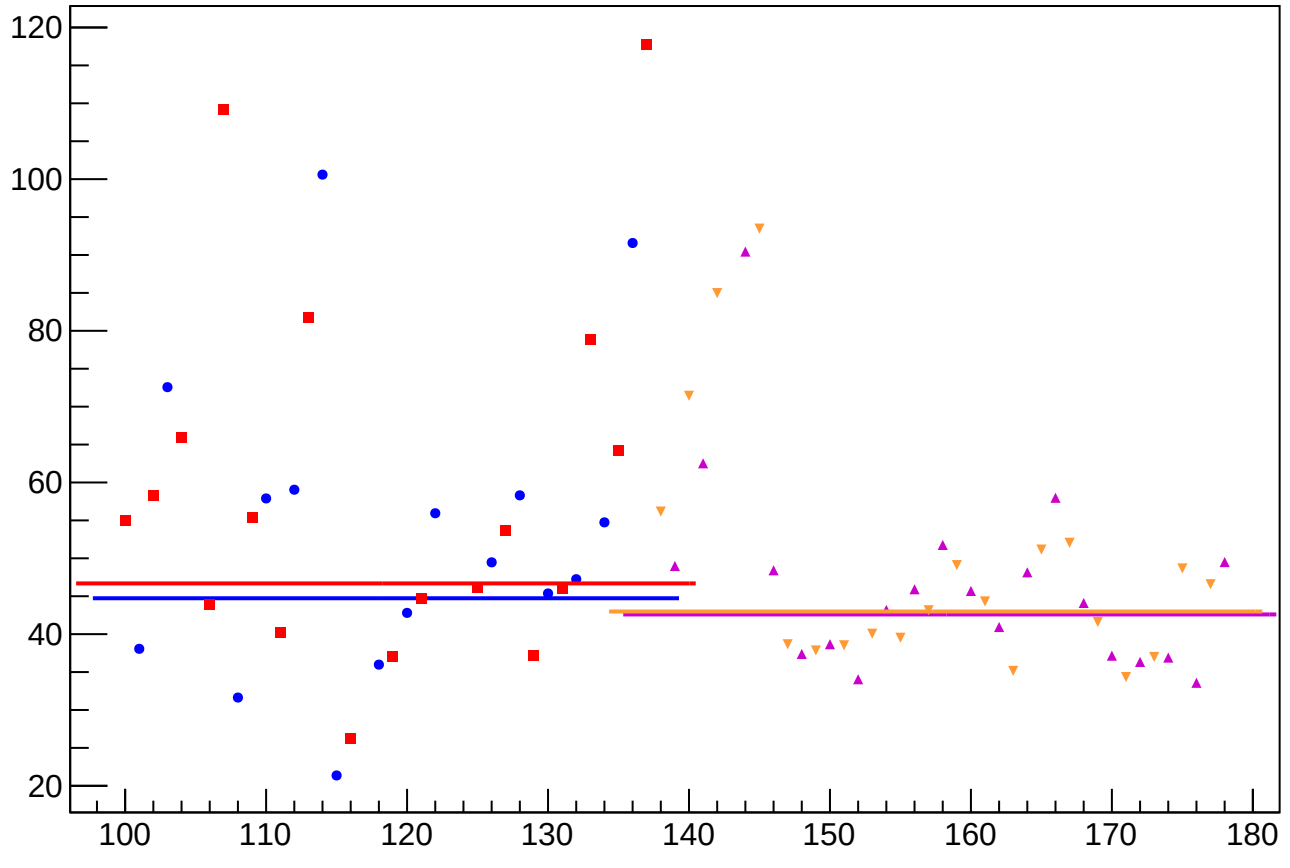
Left: -0.012+/-0.008 χ^2/NDF: 41.6/39

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.014+/-0.010 χ^2/NDF:39.8/35

Out: -0.013+/-0.010 χ^2/NDF:56.6/37

All: -0.013+/-0.007 χ^2/NDF: 96.4/73



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: 42.597+/-0.008 χ^2/NDF:1207229.3/19

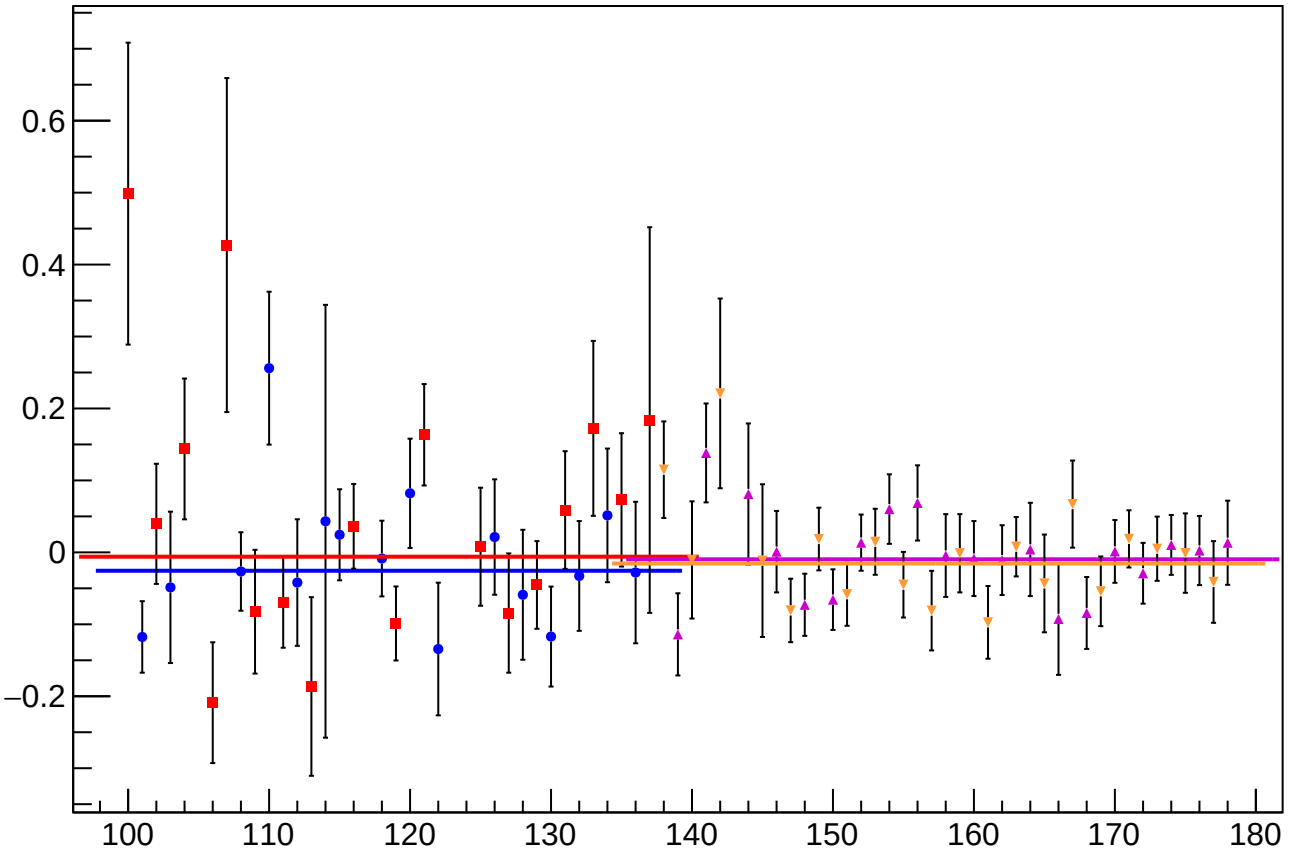
Left: 42.787+/-0.006 χ^2/NDF: 2605723.0/39

Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

In: 43.168+/-0.007 χ^2/NDF:2560793.6/35

Out: 43.969+/-0.007 χ^2/NDF:2646444.6/37

All: 43.557+/-0.005 χ^2/NDF: 5213839.3/73



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: -0.010+/-0.011 χ^2/NDF:21.6/19

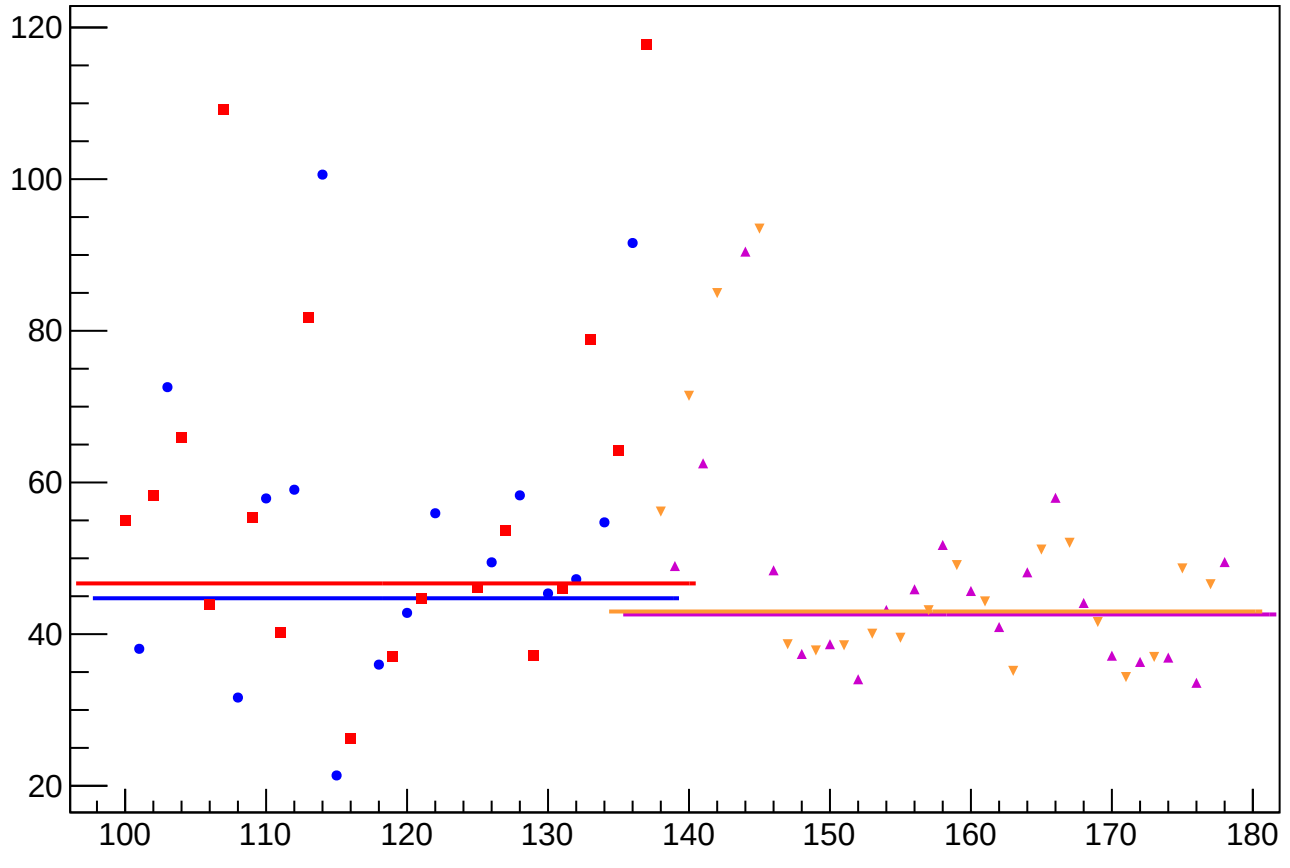
Left: -0.012+/-0.008 χ^2/NDF: 41.6/39

Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.014+/-0.010 χ^2/NDF:39.8/35

Out: -0.013+/-0.010 χ^2/NDF:56.6/37

All: -0.013+/-0.007 χ^2/NDF: 96.4/73



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: 42.597+/-0.008 χ^2/NDF:1207229.3/19

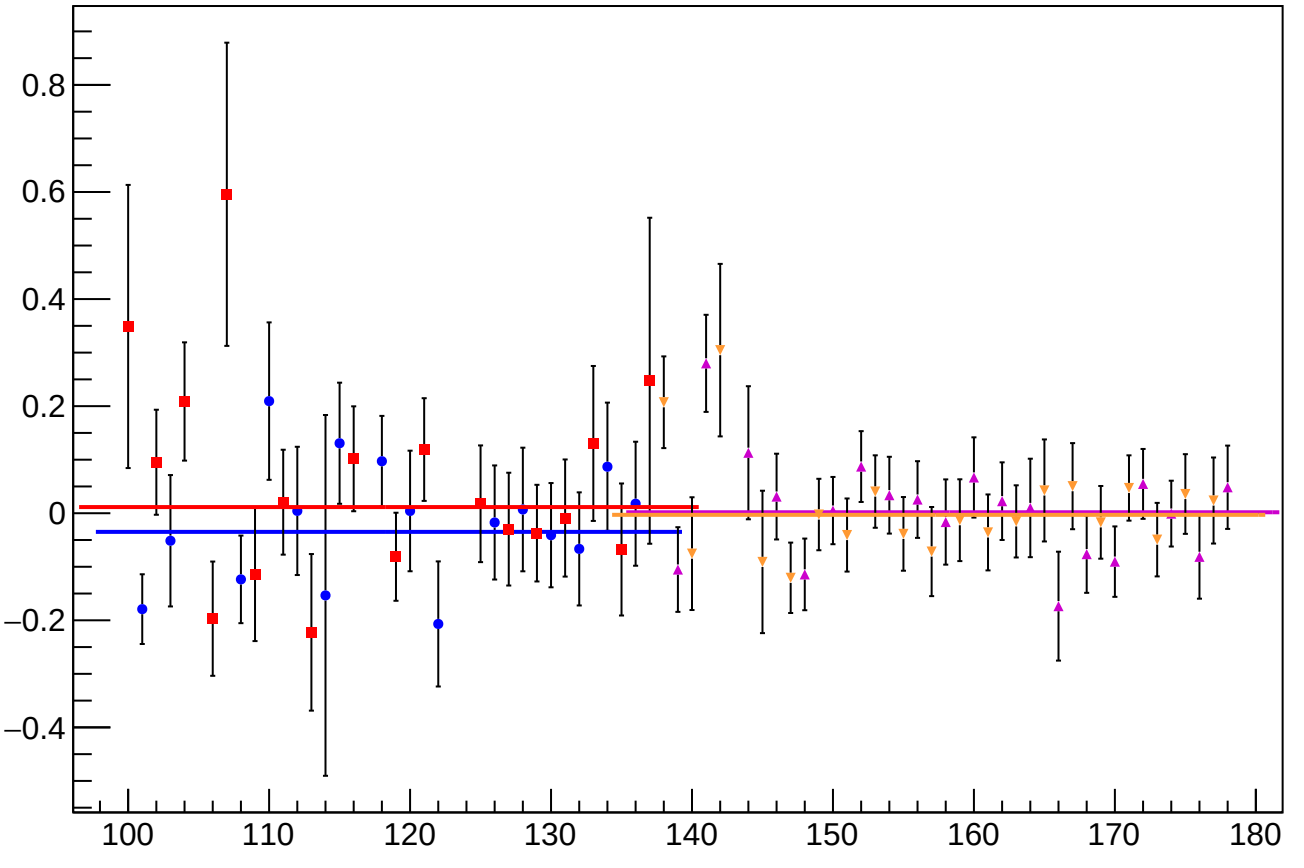
Left: 42.787+/-0.006 χ^2/NDF: 2605723.0/39

Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

In: 43.168+/-0.007 χ^2/NDF:2560793.6/35

Out: 43.969+/-0.007 χ^2/NDF:2646444.6/37

All: 43.557+/-0.005 χ^2/NDF: 5213839.3/73



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: 0.002+/-0.017 χ^2/NDF:26.3/19

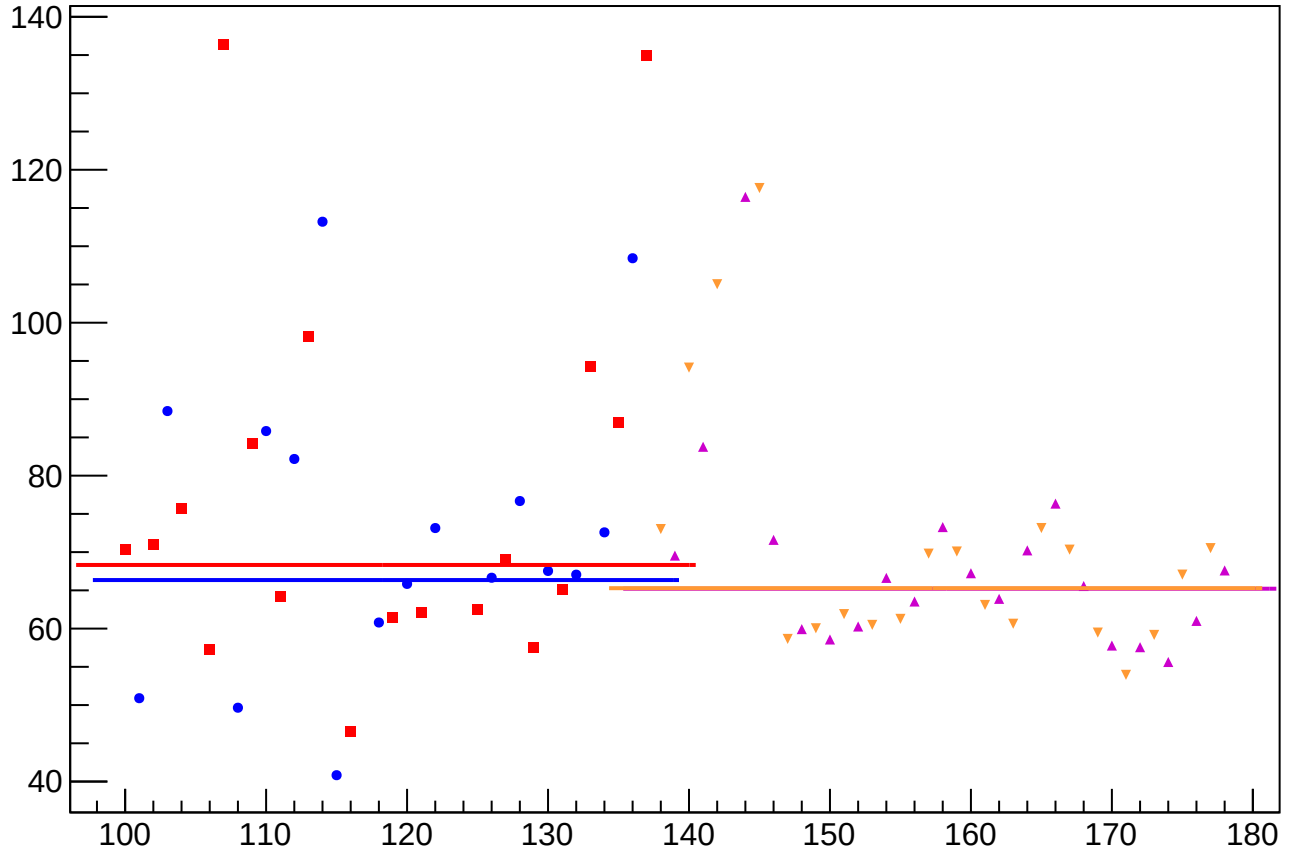
Left: -0.001+/-0.012 χ^2/NDF: 44.3/39

Right: -0.012+/-0.019 χ^2/NDF: 41.7/33

In: -0.009+/-0.014 χ^2/NDF:45.1/35

Out: 0.001+/-0.014 χ^2/NDF:40.9/37

All: -0.004+/-0.010 χ^2/NDF: 86.3/73



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: 65.215+/-0.012 χ^2/NDF:652044.6/19

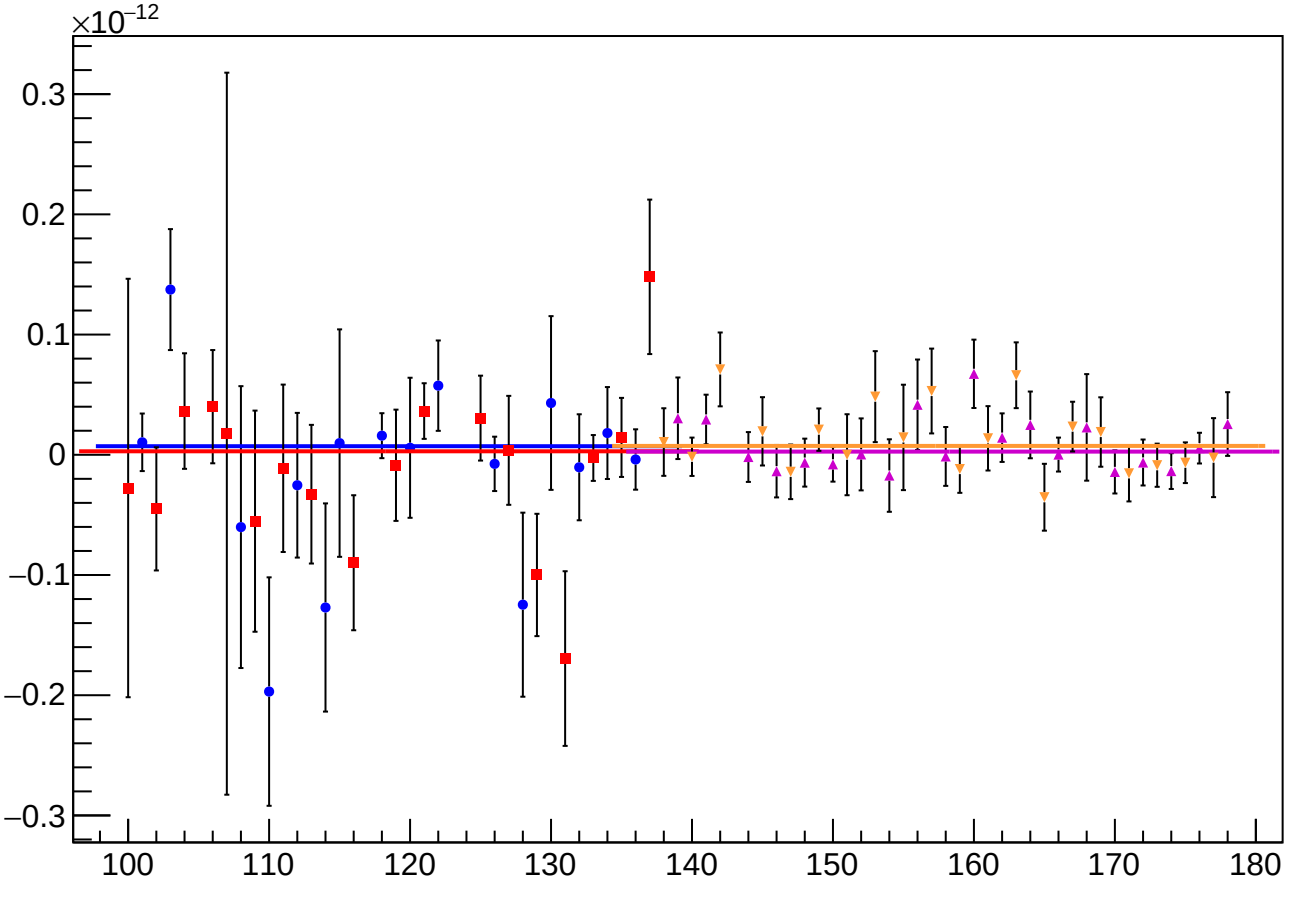
Left: 65.249+/-0.008 χ^2/NDF: 1460145.4/39

Right: 67.311+/-0.013 χ^2/NDF: 1407834.9/33

In: 65.541+/-0.010 χ^2/NDF:1427354.7/35

Out: 66.152+/-0.010 χ^2/NDF:1455961.5/37

All: 65.840+/-0.007 χ^2/NDF: 2885158.7/73



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:14.7/19

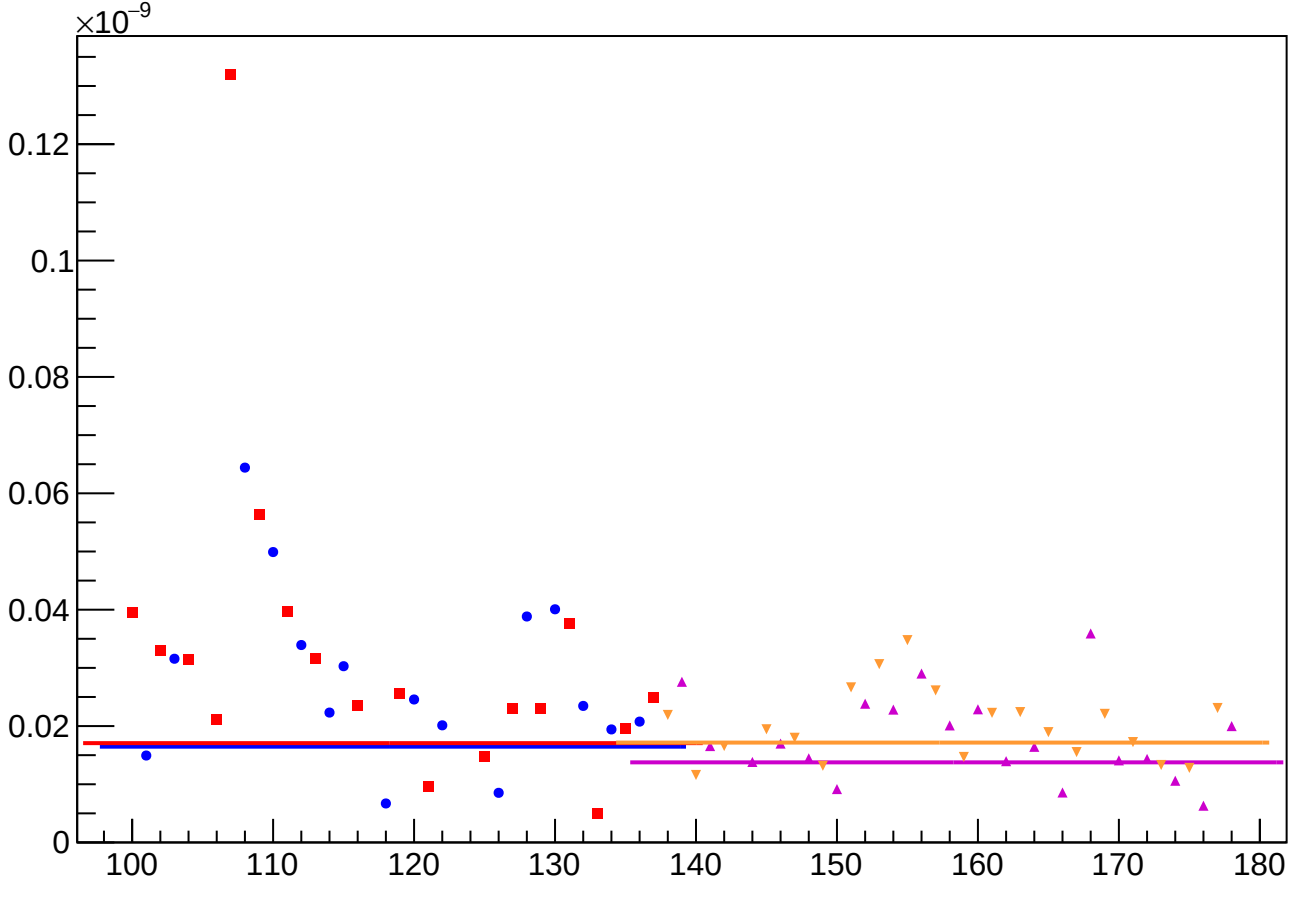
Left: 0.000+/-0.000 χ^2/NDF: 35.7/39

Right: 0.000+/-0.000 χ^2/NDF: 43.9/33

In: 0.000+/-0.000 χ^2/NDF:35.4/35

Out: 0.000+/-0.000 χ^2/NDF:44.0/37

All: 0.000+/-0.000 χ^2/NDF: 79.6/73



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:3367549.1/19

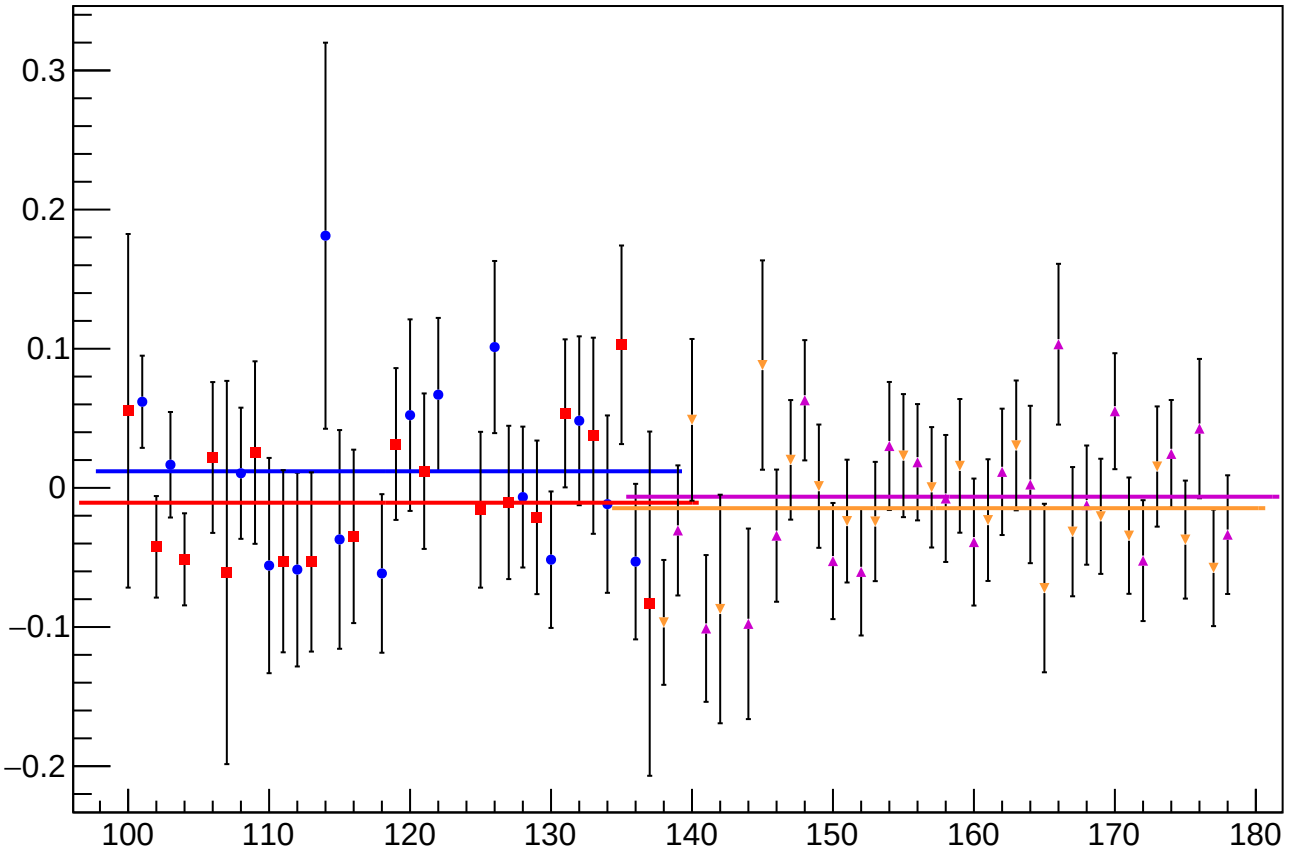
Left: 0.000+/-0.000 χ^2/NDF: 5664371.3/39

Right: 0.000+/-0.000 χ^2/NDF: 5141308.5/33

In: 0.000+/-0.000 χ^2/NDF:5851305.2/35

Out: 0.000+/-0.000 χ^2/NDF:4620613.9/37

All: 0.000+/-0.000 χ^2/NDF: 10889457.7/73



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: -0.006+/-0.010 χ^2/NDF:21.4/19

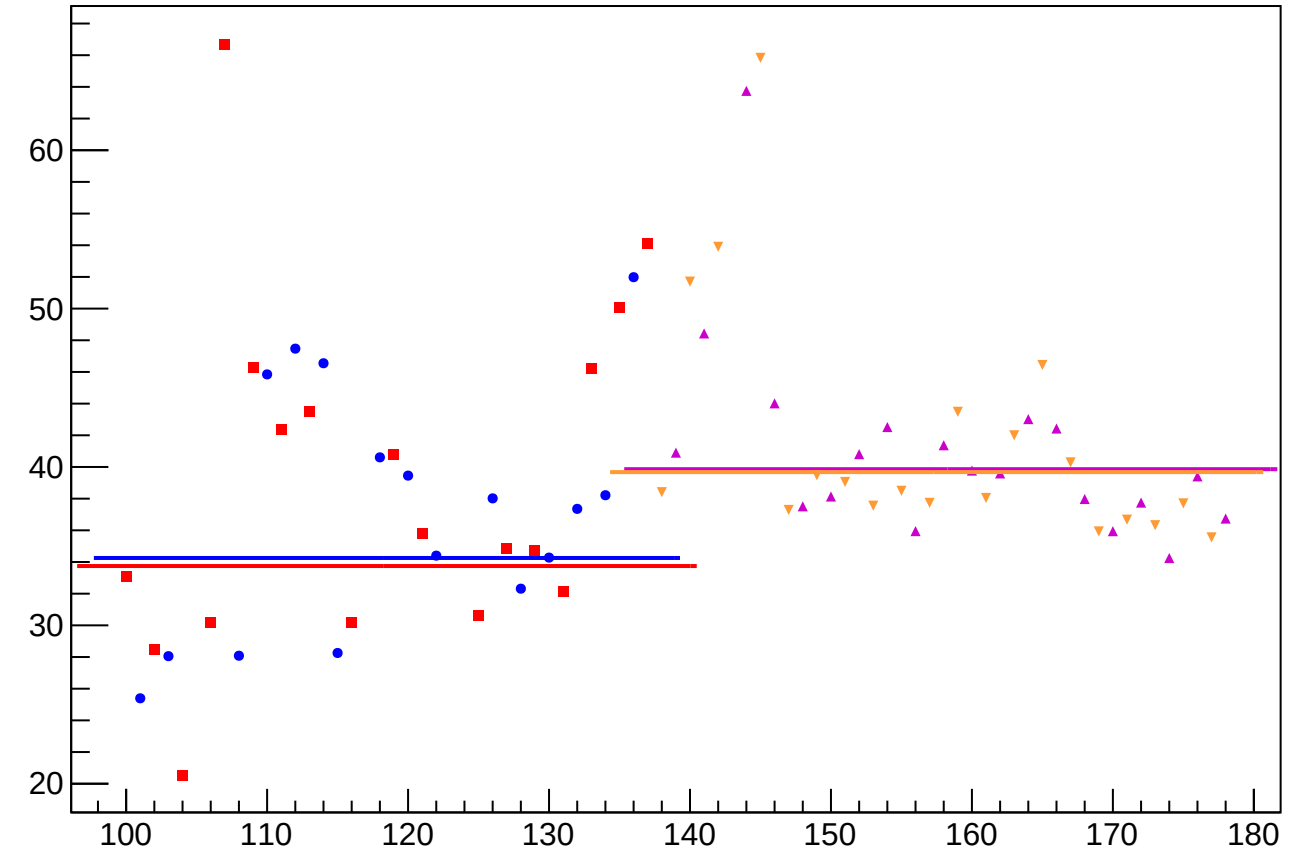
Left: -0.010+/-0.007 χ^2/NDF: 35.1/39

Right: 0.000+/-0.010 χ^2/NDF: 26.0/33

In: 0.000+/-0.008 χ^2/NDF:37.2/35

Out: -0.013+/-0.008 χ^2/NDF:23.4/37

All: -0.006+/-0.006 χ^2/NDF: 61.9/73



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: 39.861+/-0.007 χ^2/NDF:438484.5/19

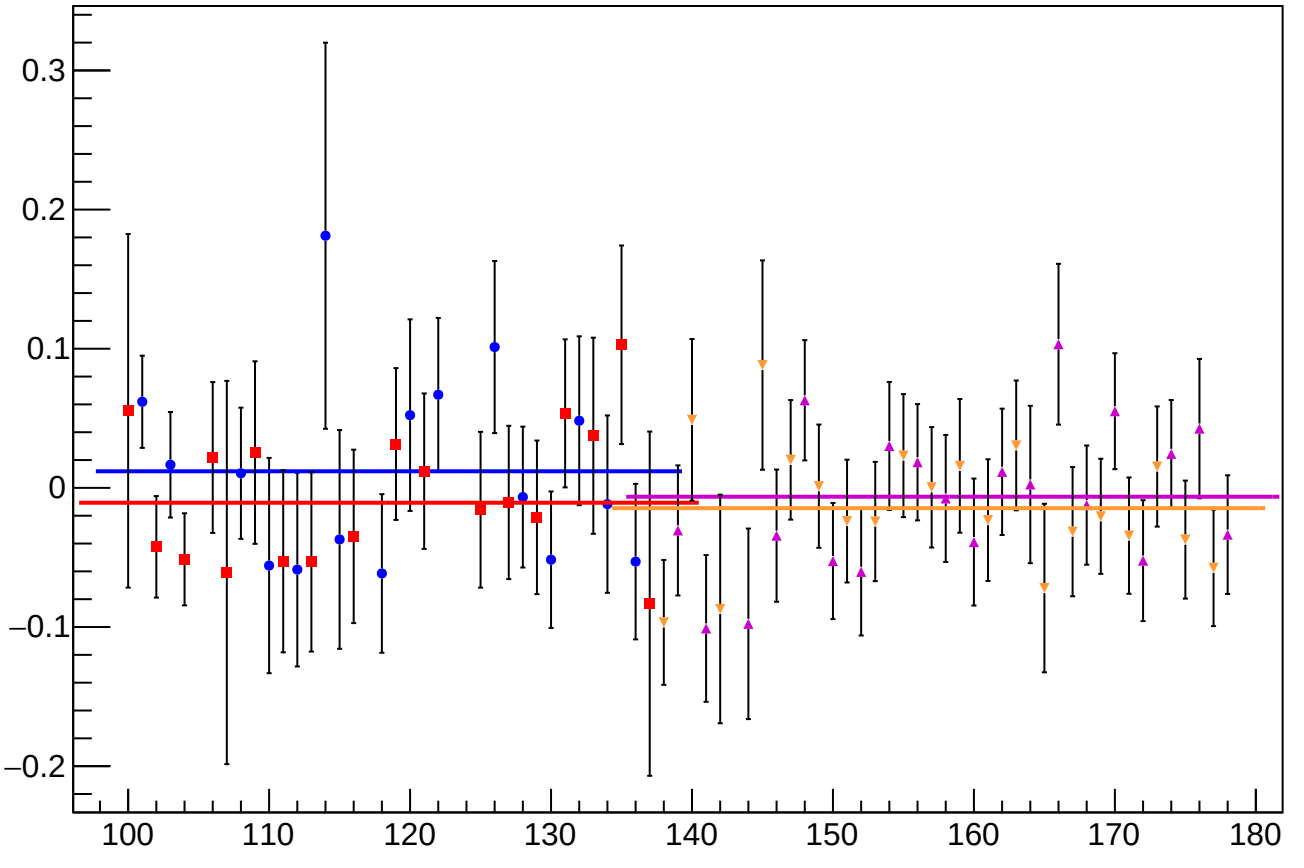
Left: 39.769+/-0.005 χ^2/NDF: 952946.4/39

Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 37.820+/-0.006 χ^2/NDF:1290249.6/35

Out: 37.455+/-0.006 χ^2/NDF:1669538.4/37

All: 37.638+/-0.004 χ^2/NDF: 2961759.0/73



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: -0.006+/-0.010 χ^2/NDF:21.4/19

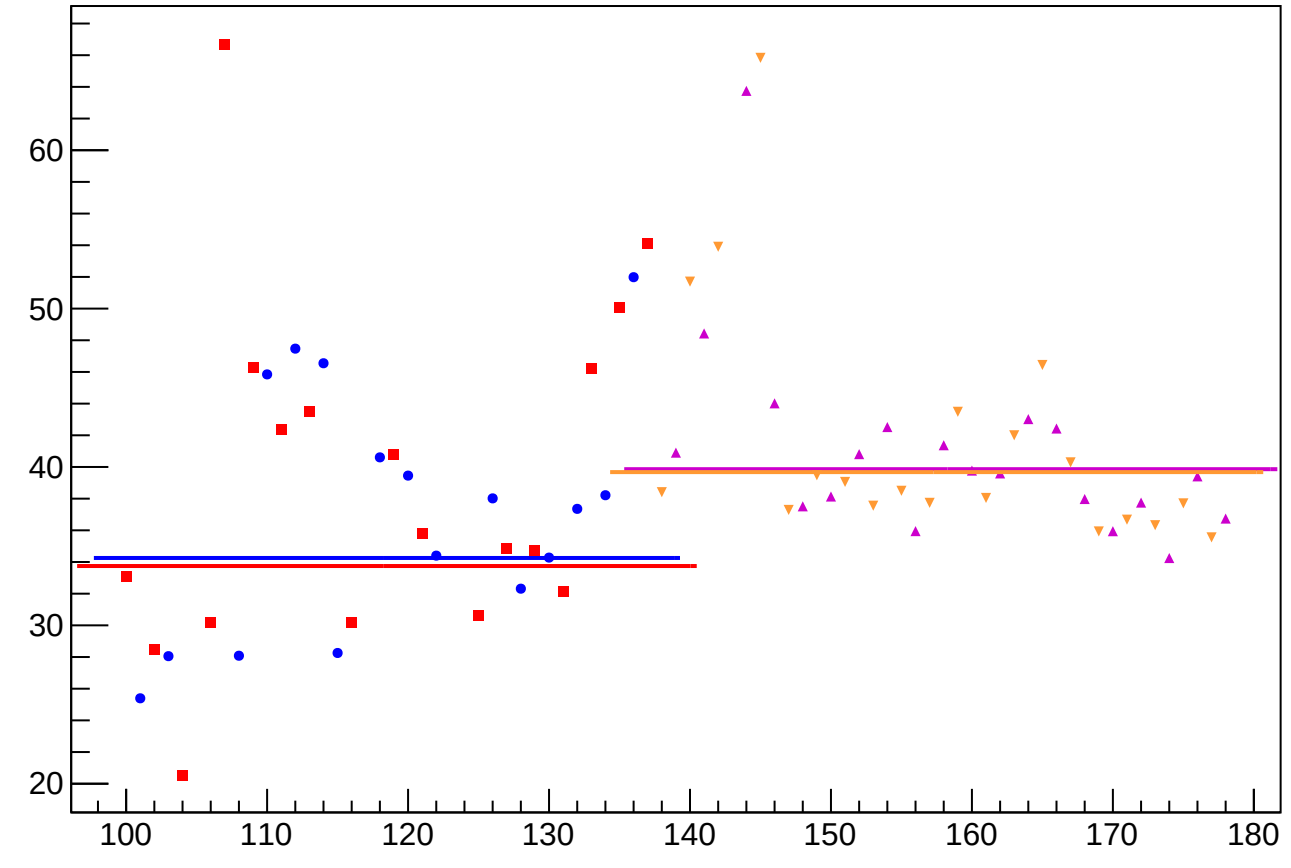
Left: -0.010+/-0.007 χ^2/NDF: 35.1/39

Right: 0.000+/-0.010 χ^2/NDF: 26.0/33

In: 0.000+/-0.008 χ^2/NDF:37.2/35

Out: -0.013+/-0.008 χ^2/NDF:23.4/37

All: -0.006+/-0.006 χ^2/NDF: 61.9/73



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: 39.861+/-0.007 χ^2/NDF:438484.5/19

Left: 39.769+/-0.005 χ^2/NDF: 952946.4/39

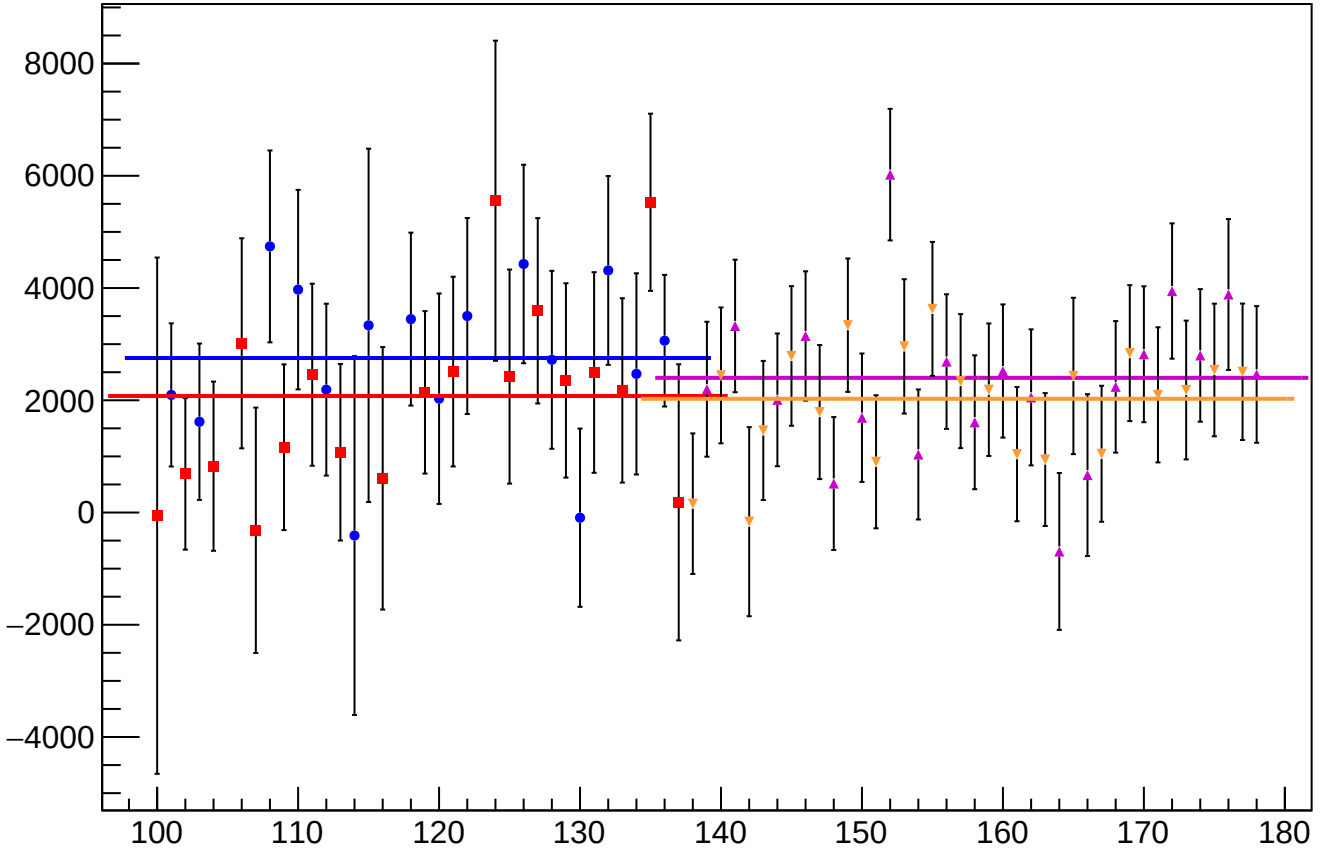
Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 37.820+/-0.006 χ^2/NDF:1290249.6/35

Out: 37.455+/-0.006 χ^2/NDF:1669538.4/37

All: 37.638+/-0.004 χ^2/NDF: 2961759.0/73

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: 2399.768+/-270.643 χ^2/NDF:25.1/19

Left: 2211.331+/-190.391 χ^2/NDF: 38.4/40

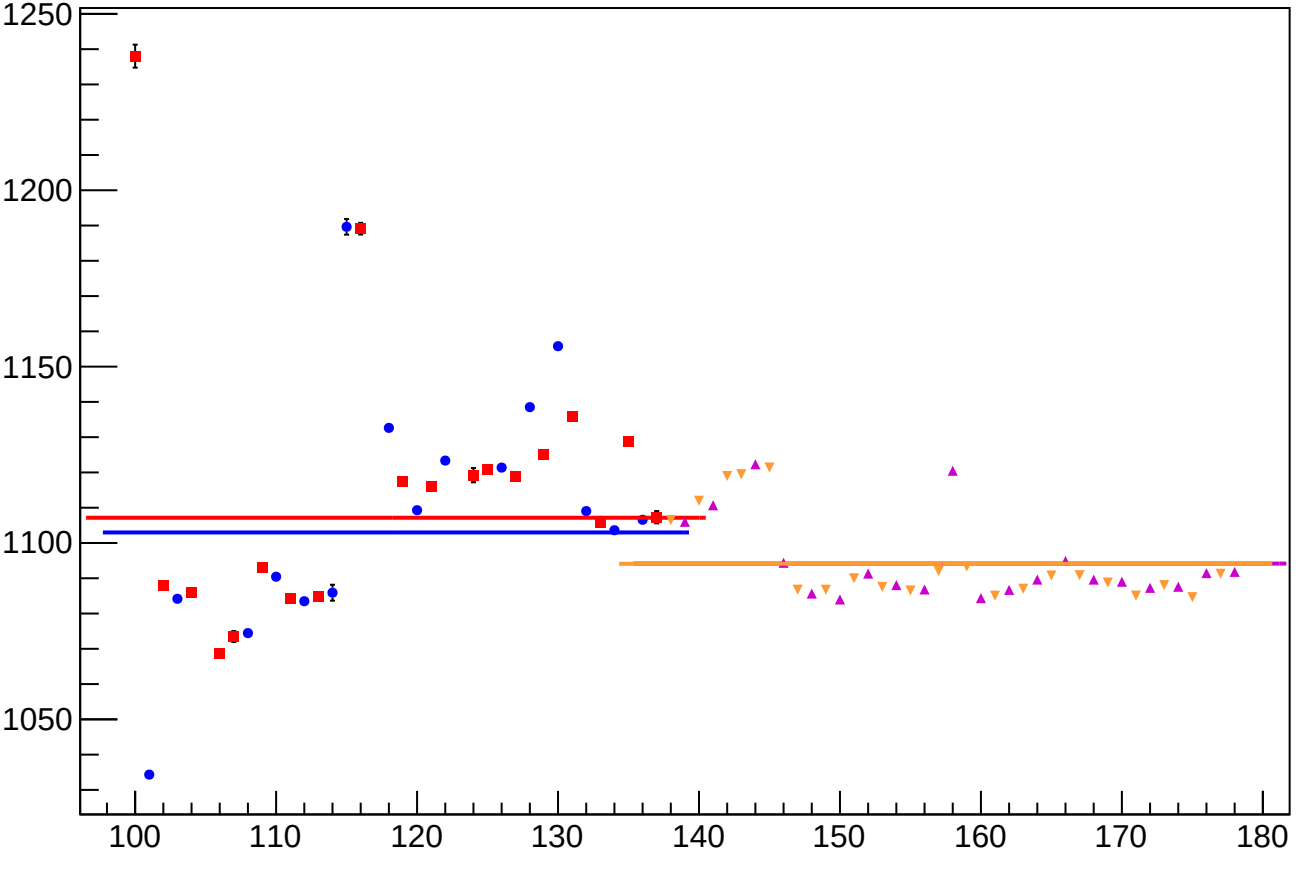
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2507.069+/-225.843 χ^2/NDF:35.1/35

Out: 2041.922+/-223.228 χ^2/NDF:24.9/39

All: 2271.786+/-158.763 χ^2/NDF: 62.1/75

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: 1094.164+/-0.191 χ^2/NDF:3538.6/19

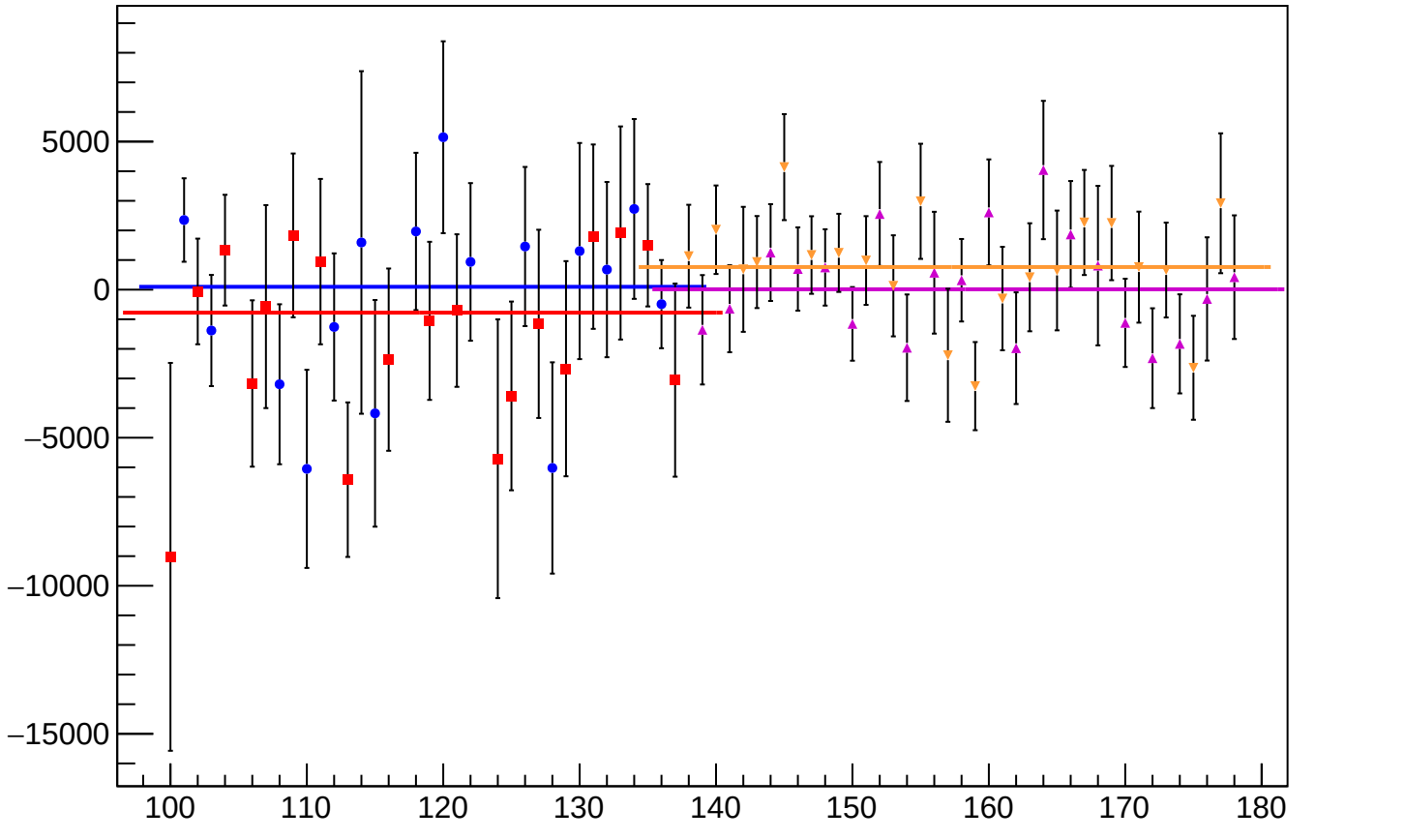
Left: 1094.133+/-0.135 χ^2/NDF: 7280.4/40

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1096.843+/-0.160 χ^2/NDF:17408.0/35

Out: 1098.093+/-0.158 χ^2/NDF:13877.1/39

All: 1097.475+/-0.112 χ^2/NDF: 31316.1/75



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: 12.189+/-374.982 χ^2/NDF:17.3/19

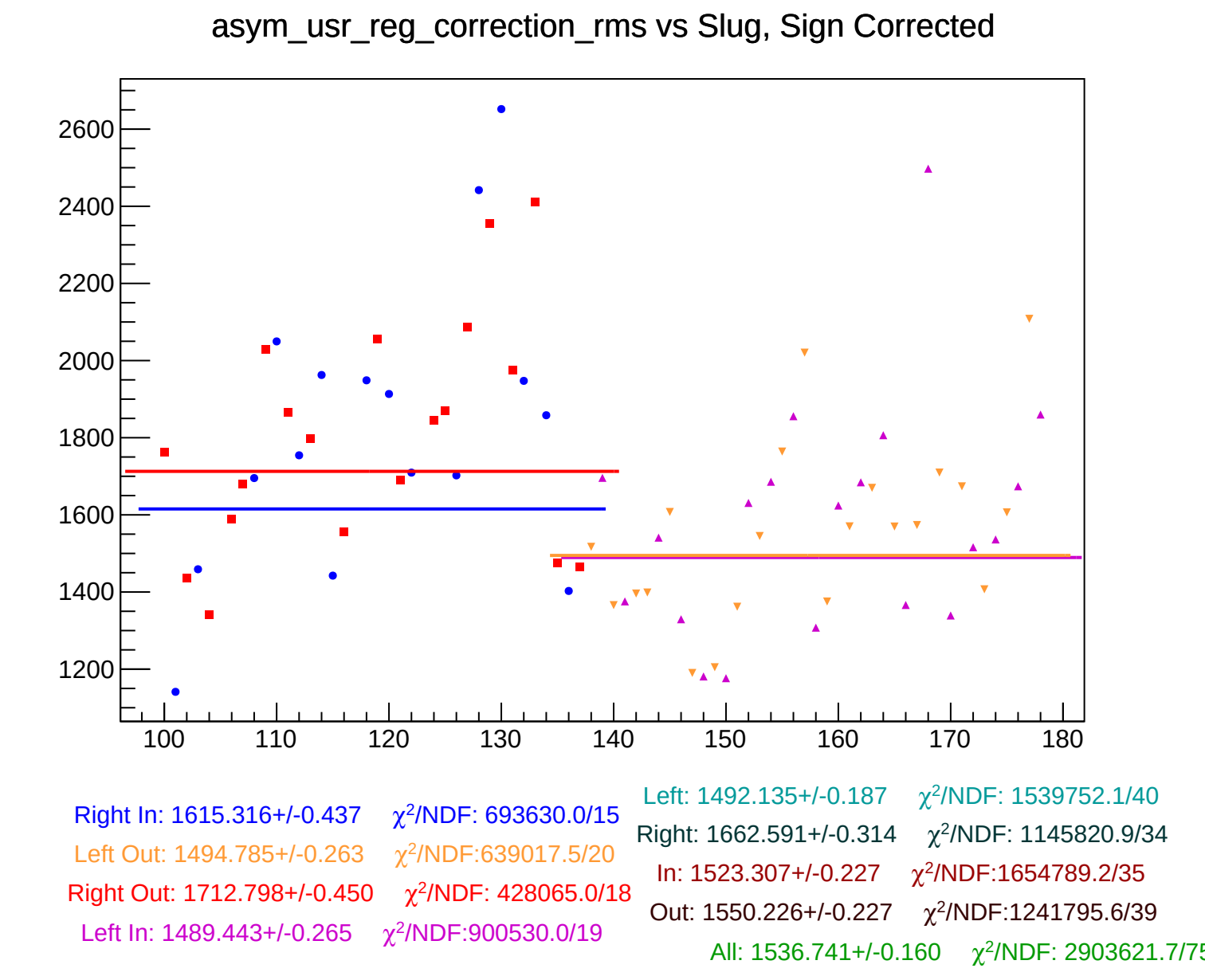
Left: 391.152+/-264.082 χ^2/NDF: 40.7/40

Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

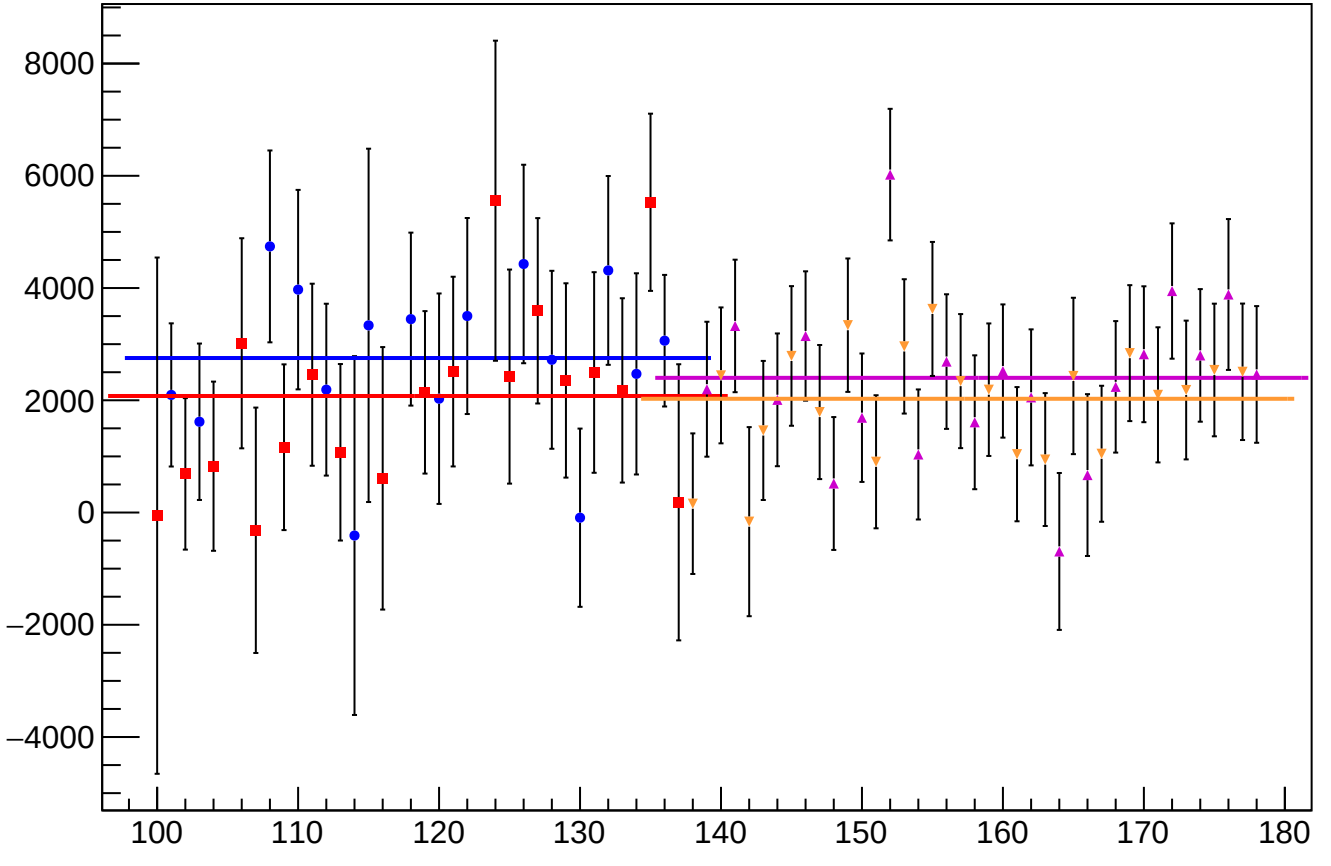
In: 34.725+/-320.597 χ^2/NDF:34.2/35

Out: 372.162+/-321.211 χ^2/NDF:40.8/39

All: 203.120+/-226.913 χ^2/NDF: 75.6/75


asym_usr_reg_correction_rms vs Slug, Sign Corrected
2600
2400
2200
2000
1800
1600
1400
1200
100
110
120
130
140
150
160
170
180
Right In: 1615.316+/-0.437 χ²/NDF: 693630.0/15
Left Out: 1494.785+/-0.263 χ²/NDF:639017.5/20
Right Out: 1712.798+/-0.450 χ²/NDF: 428065.0/18
Left In: 1489.443+/-0.265 χ²/NDF:900530.0/19
Left: 1492.135+/-0.187 χ²/NDF: 1539752.1/40
Right: 1662.591+/-0.314 χ²/NDF: 1145820.9/34
In: 1523.307+/-0.227 χ²/NDF:1654789.2/35
Out: 1550.226+/-0.227 χ²/NDF:1241795.6/39
All: 1536.741+/-0.160 χ²/NDF: 2903621.7/75

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: 2399.768+/-270.643 χ^2/NDF:25.1/19

Left: 2211.331+/-190.391 χ^2/NDF: 38.4/40

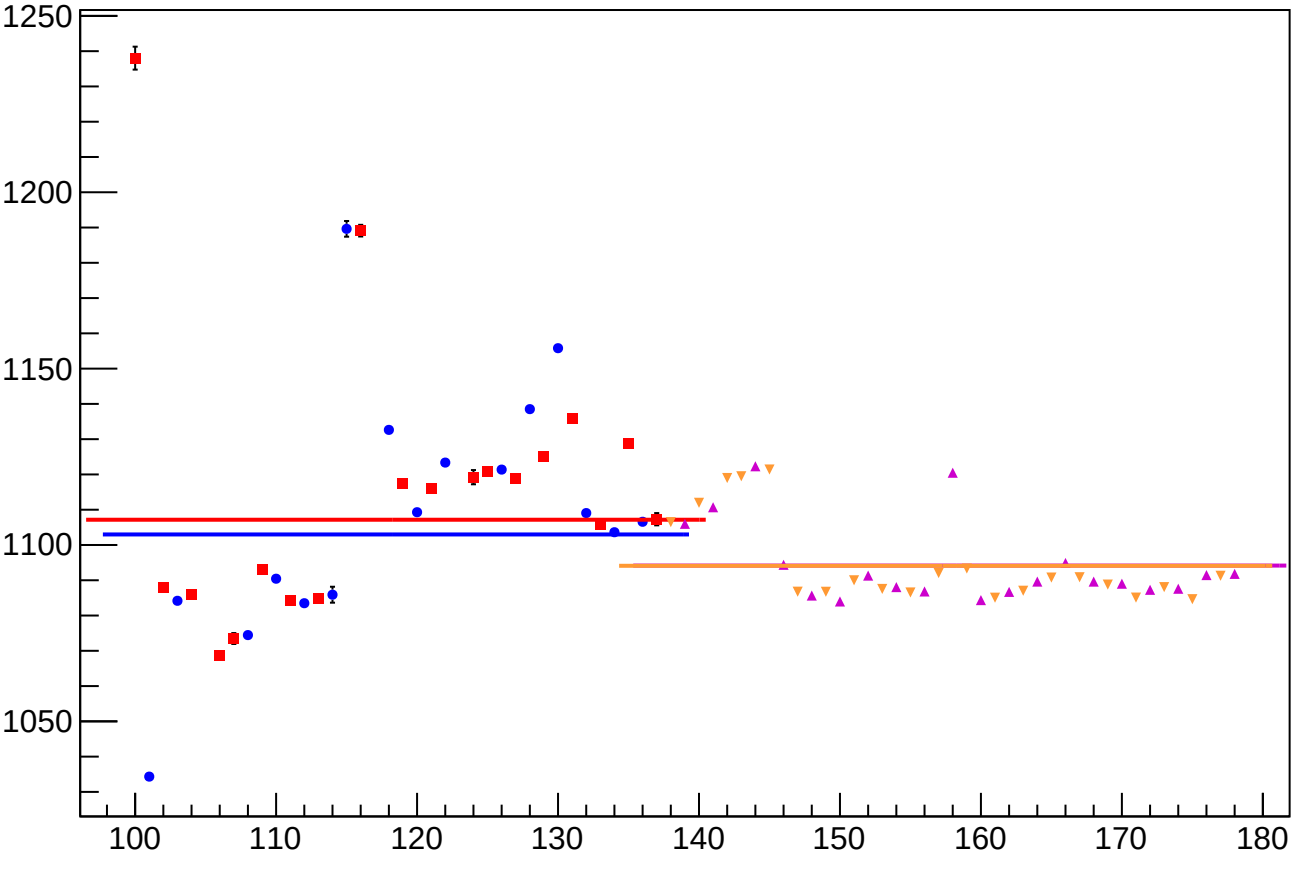
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2507.069+/-225.843 χ^2/NDF:35.1/35

Out: 2041.922+/-223.228 χ^2/NDF:24.9/39

All: 2271.786+/-158.763 χ^2/NDF: 62.1/75

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: 1094.164+/-0.191 χ^2/NDF:3538.6/19

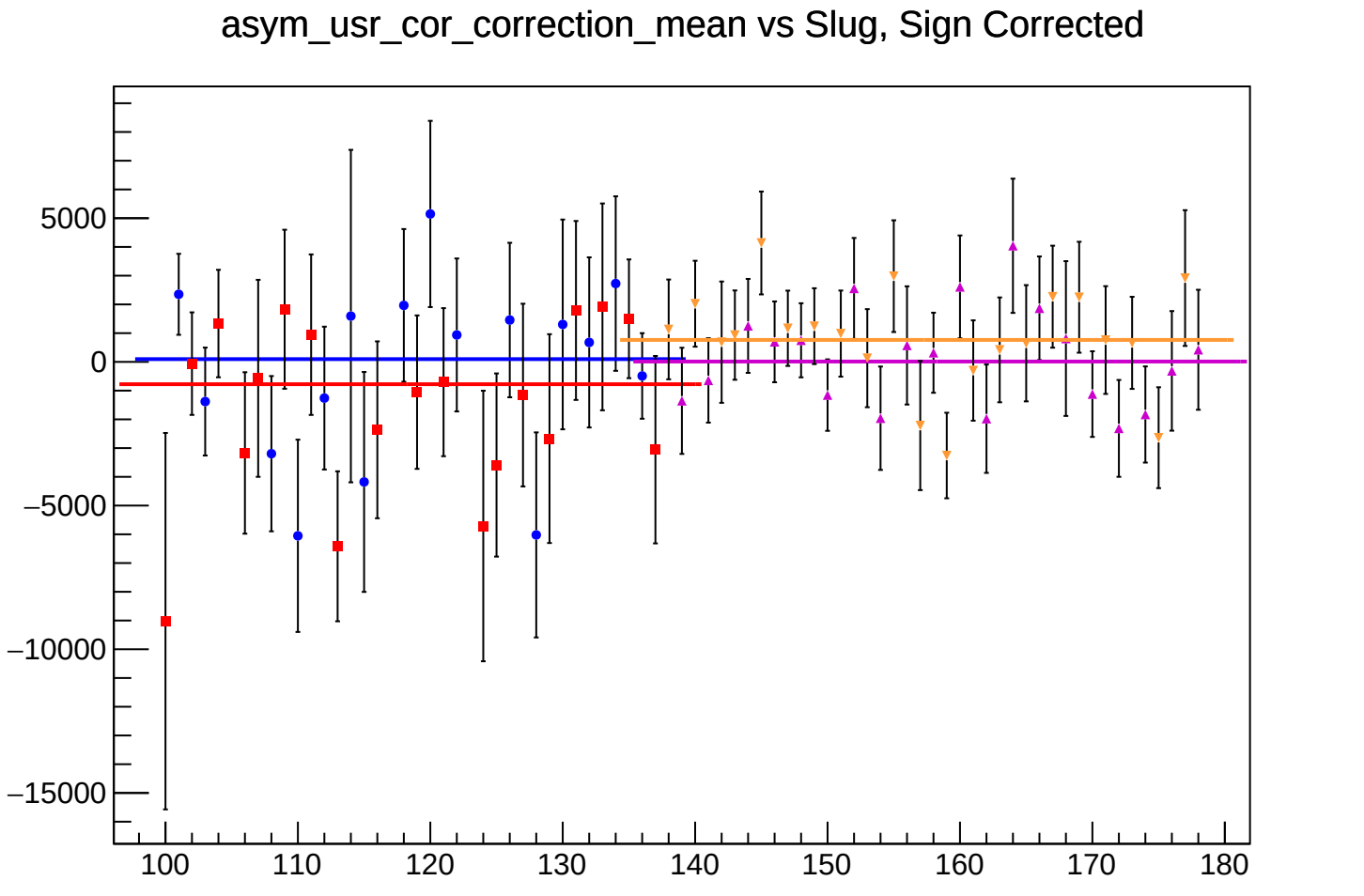
Left: 1094.133+/-0.135 χ^2/NDF: 7280.4/40

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1096.843+/-0.160 χ^2/NDF:17408.0/35

Out: 1098.093+/-0.158 χ^2/NDF:13877.1/39

All: 1097.475+/-0.112 χ^2/NDF: 31316.1/75



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: 12.189+/-374.982 χ^2/NDF:17.3/19

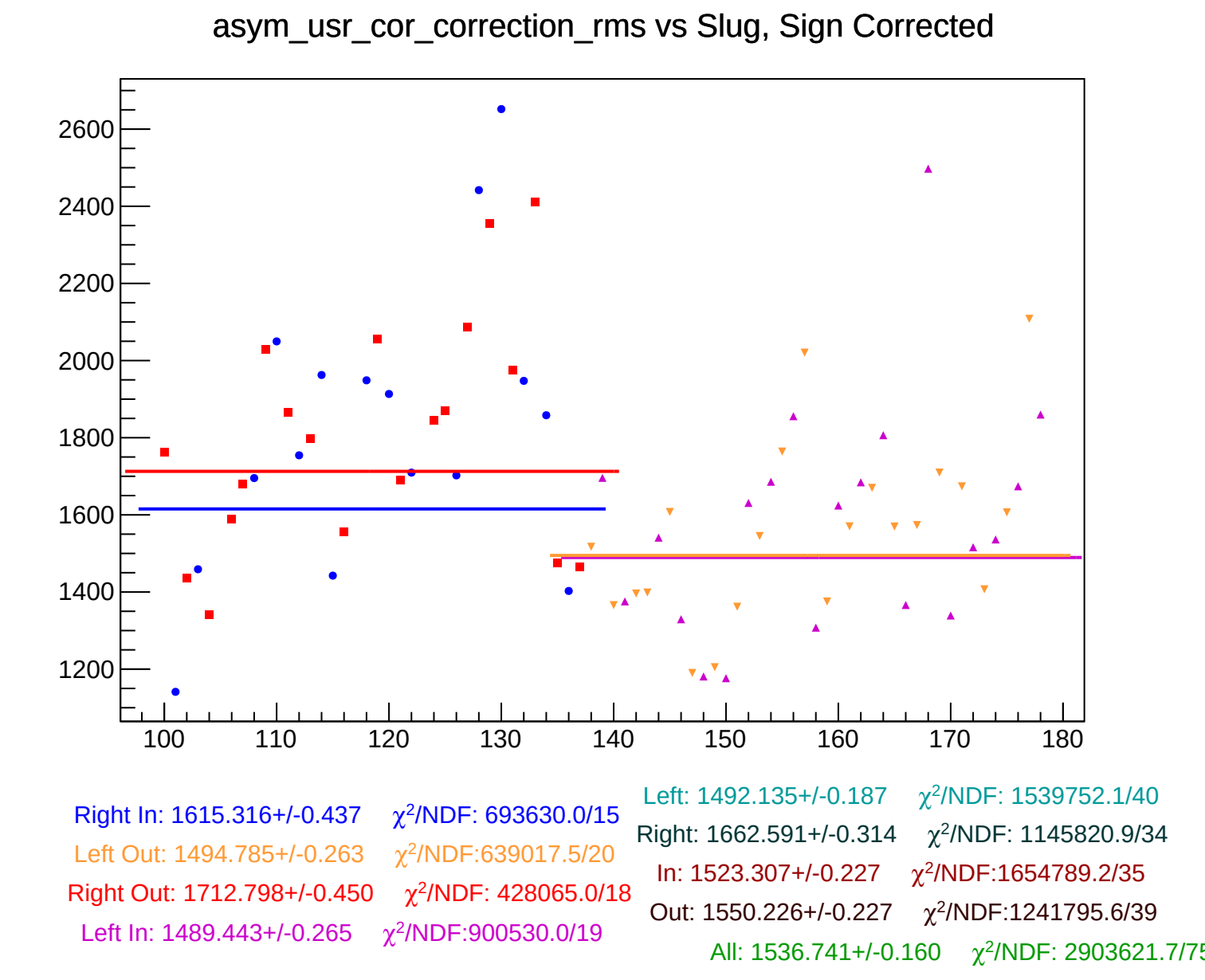
Left: 391.152+/-264.082 χ^2/NDF: 40.7/40

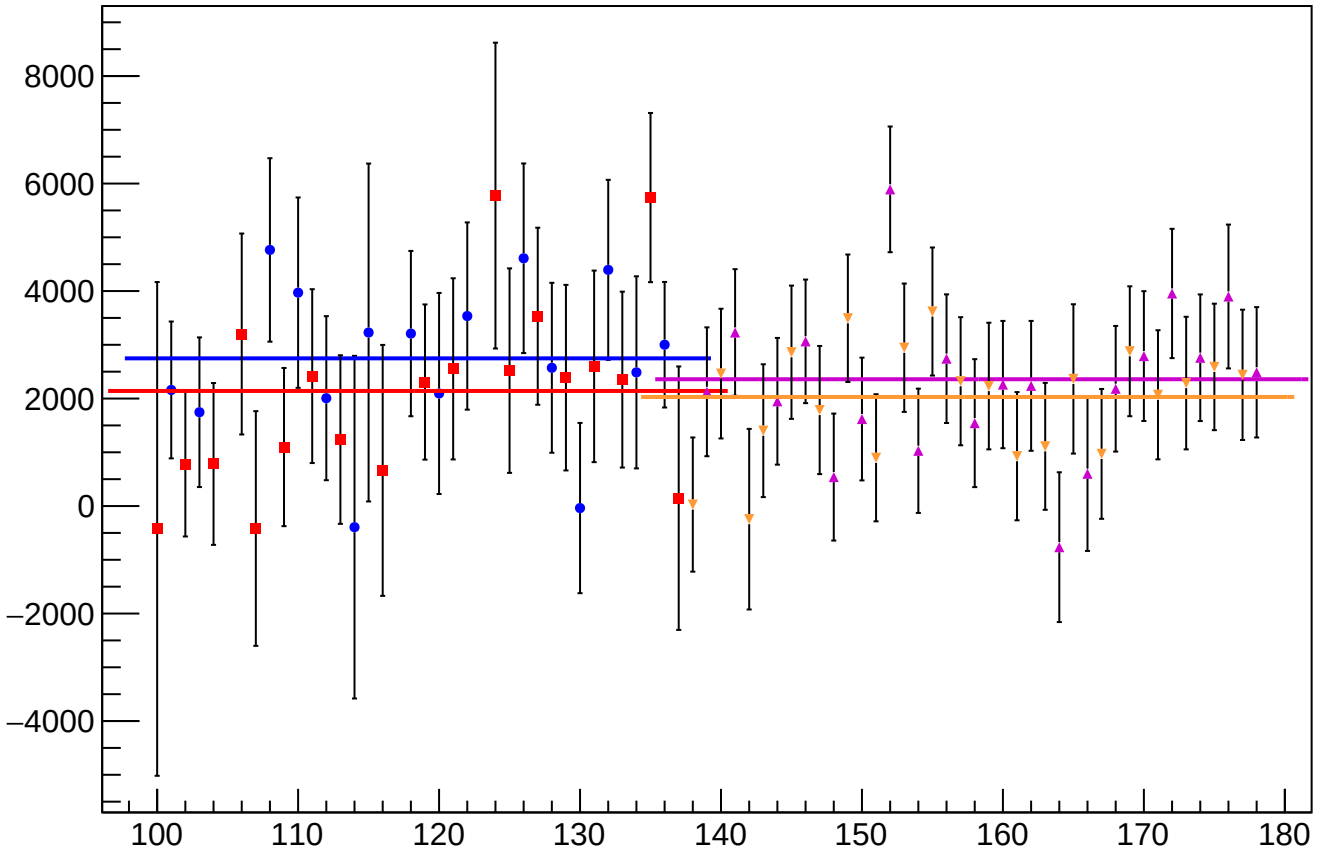
Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: 34.725+/-320.597 χ^2/NDF:34.2/35

Out: 372.162+/-321.211 χ^2/NDF:40.8/39

All: 203.120+/-226.913 χ^2/NDF: 75.6/75


asym_usr_cor_correction_rms vs Slug, Sign Corrected
2600
2400
2200
2000
1800
1600
1400
1200
100
110
120
130
140
150
160
170
180
Right In: 1615.316+/-0.437 χ²/NDF: 693630.0/15
Left Out: 1494.785+/-0.263 χ²/NDF:639017.5/20
Right Out: 1712.798+/-0.450 χ²/NDF: 428065.0/18
Left In: 1489.443+/-0.265 χ²/NDF:900530.0/19
Left: 1492.135+/-0.187 χ²/NDF: 1539752.1/40
Right: 1662.591+/-0.314 χ²/NDF: 1145820.9/34
In: 1523.307+/-0.227 χ²/NDF:1654789.2/35
Out: 1550.226+/-0.227 χ²/NDF:1241795.6/39
All: 1536.741+/-0.160 χ²/NDF: 2903621.7/75



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: 2359.140+/-269.910 χ^2/NDF:24.8/19

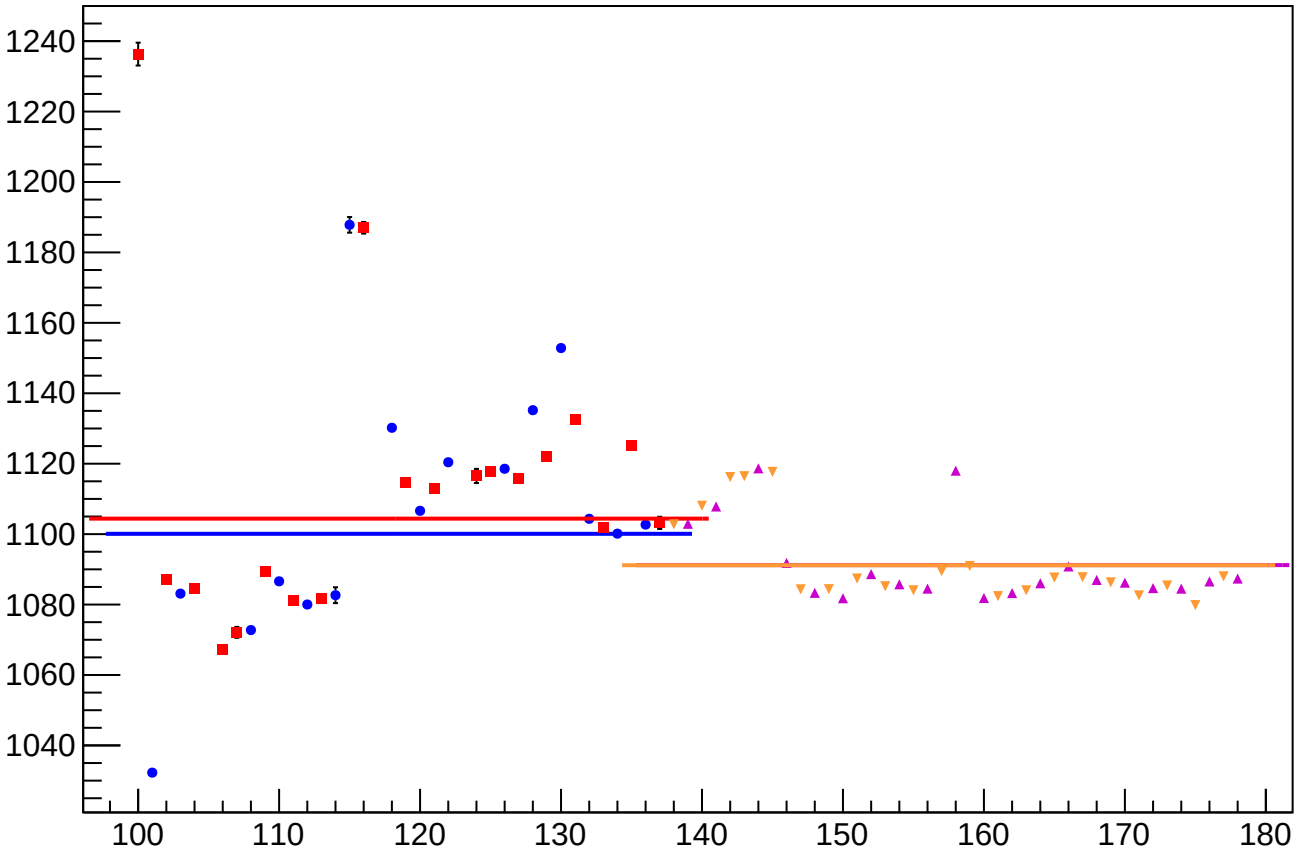
Left: 2192.417+/-189.877 χ^2/NDF: 38.9/40

Right: 2440.090+/-286.902 χ^2/NDF: 24.2/34

In: 2477.191+/-225.237 χ^2/NDF:34.9/35

Out: 2063.318+/-222.641 χ^2/NDF:27.0/39

All: 2267.856+/-158.341 χ^2/NDF: 63.6/75



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: 1091.201+/-0.191 χ^2/NDF:3499.1/19

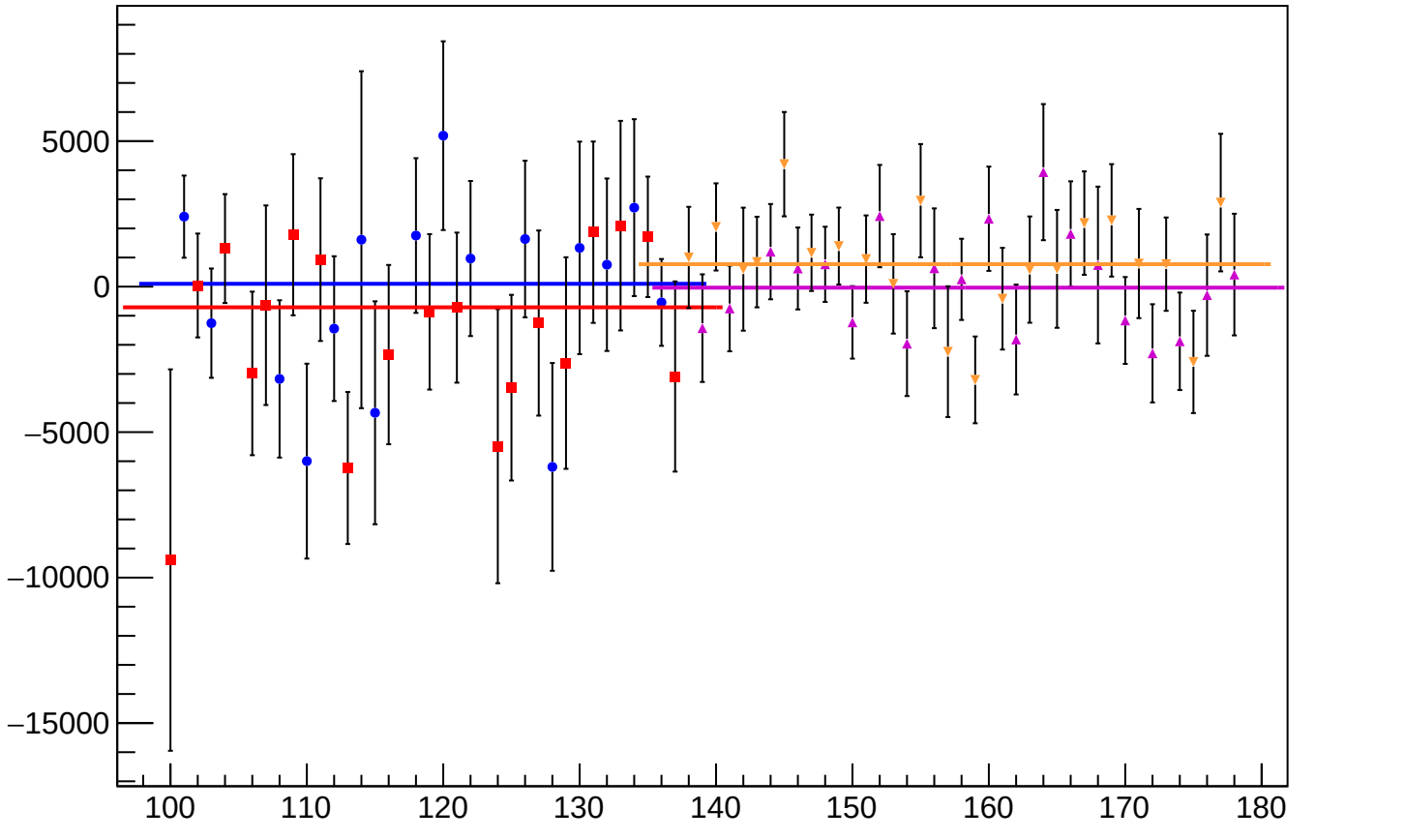
Left: 1091.183+/-0.134 χ^2/NDF: 7122.9/40

Right: 1102.278+/-0.203 χ^2/NDF: 21733.6/34

In: 1093.900+/-0.159 χ^2/NDF:17234.9/35

Out: 1095.210+/-0.157 χ^2/NDF:13667.5/39

All: 1094.563+/-0.112 χ^2/NDF: 30936.6/75



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: -35.485+/-375.543 χ^2/NDF:16.4/19

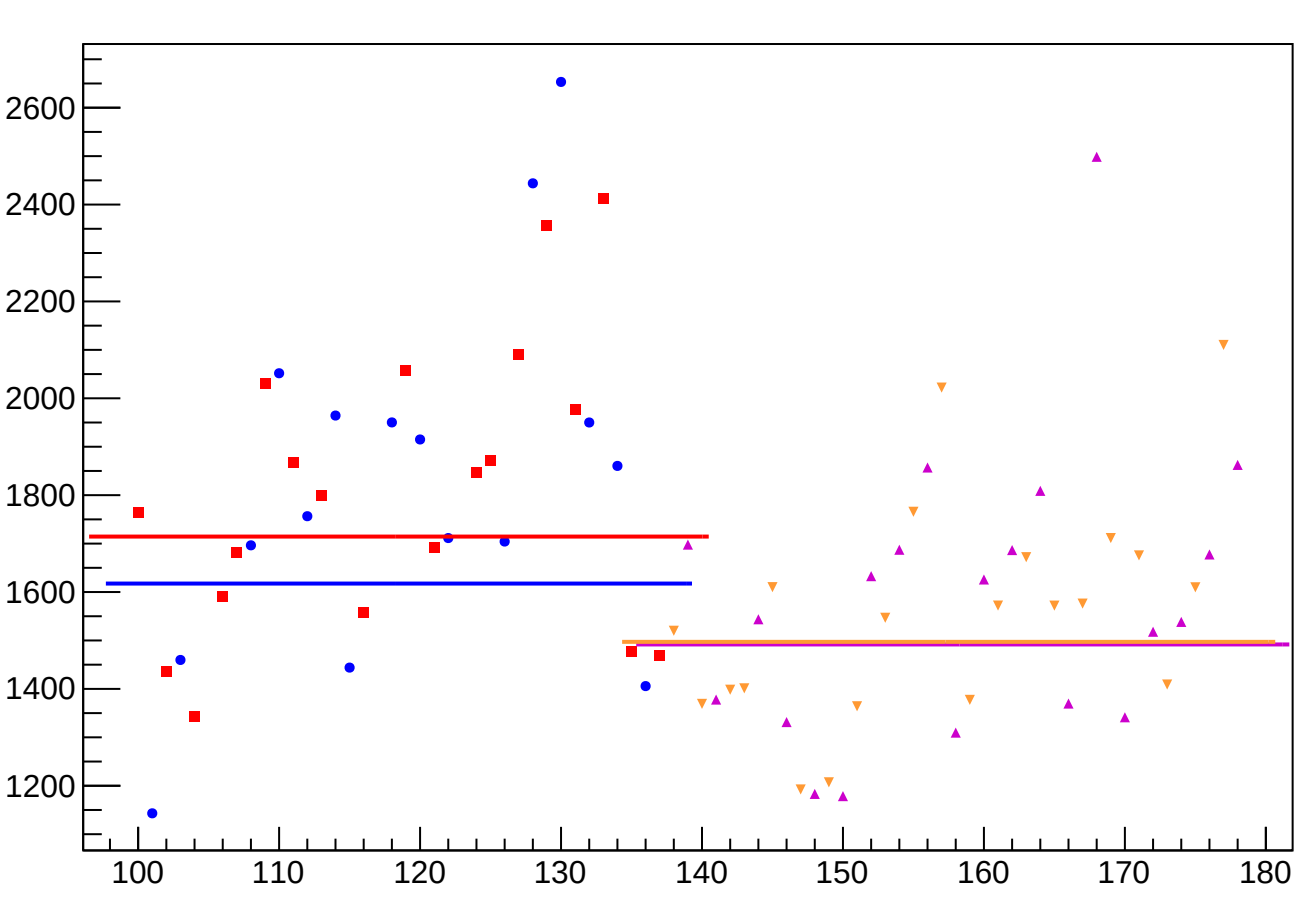
Left: 371.135+/-264.478 χ^2/NDF: 40.0/40

Right: -294.885+/-444.079 χ^2/NDF: 33.0/34

In: 0.287+/-321.056 χ^2/NDF:33.7/35

Out: 393.948+/-321.653 χ^2/NDF:40.2/39

All: 196.752+/-227.232 χ^2/NDF: 74.6/75



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: 1491.762+/-0.266 χ^2/NDF:897618.7/19

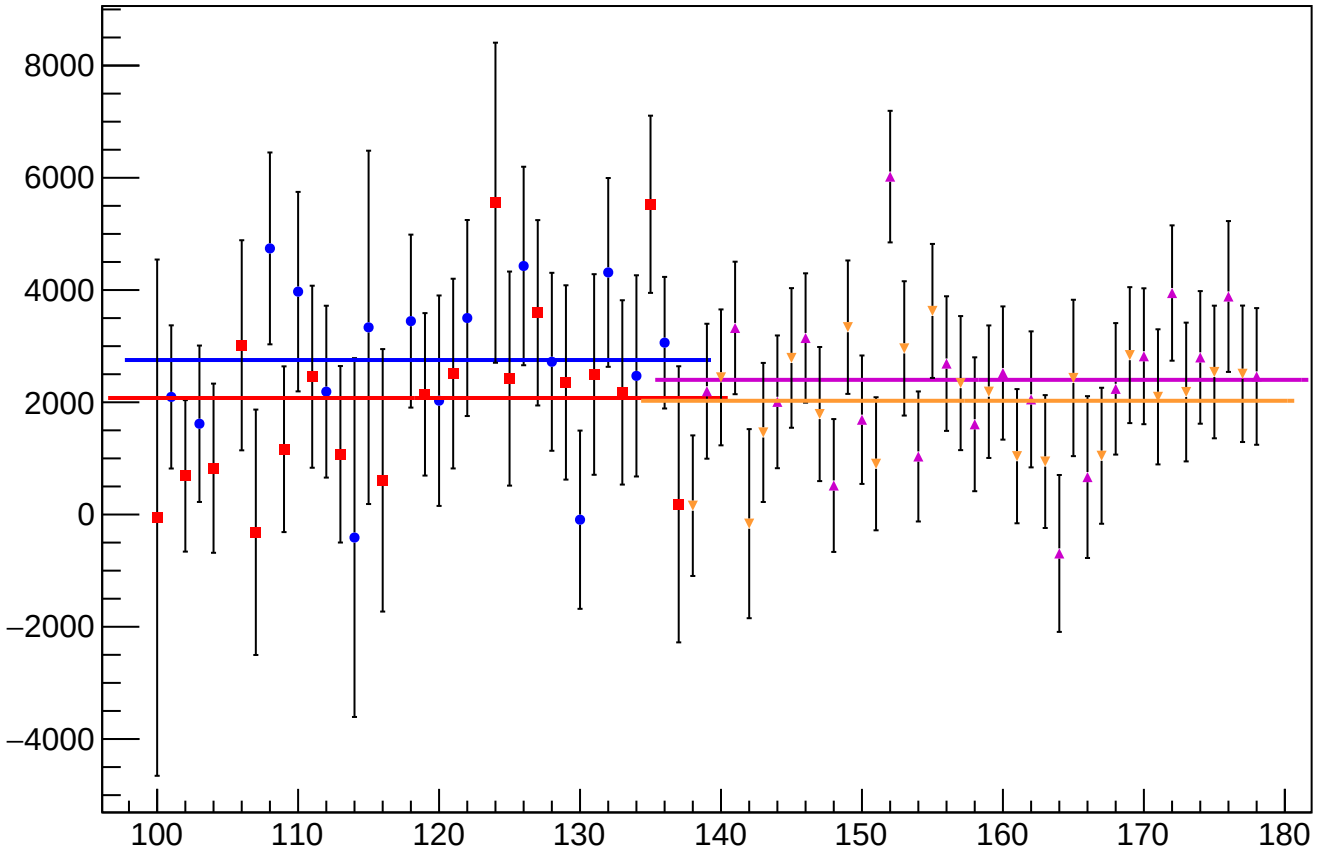
Left: 1494.473+/-0.187 χ^2/NDF: 1534388.2/40

Right: 1664.555+/-0.314 χ^2/NDF: 1143278.0/34

In: 1525.599+/-0.227 χ^2/NDF:1649674.7/35

Out: 1552.462+/-0.227 χ^2/NDF:1237566.4/39

All: 1539.005+/-0.161 χ^2/NDF: 2894228.8/75



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: 2399.768+/-270.643 χ^2/NDF:25.1/19

Left: 2211.331+/-190.391 χ^2/NDF: 38.4/40

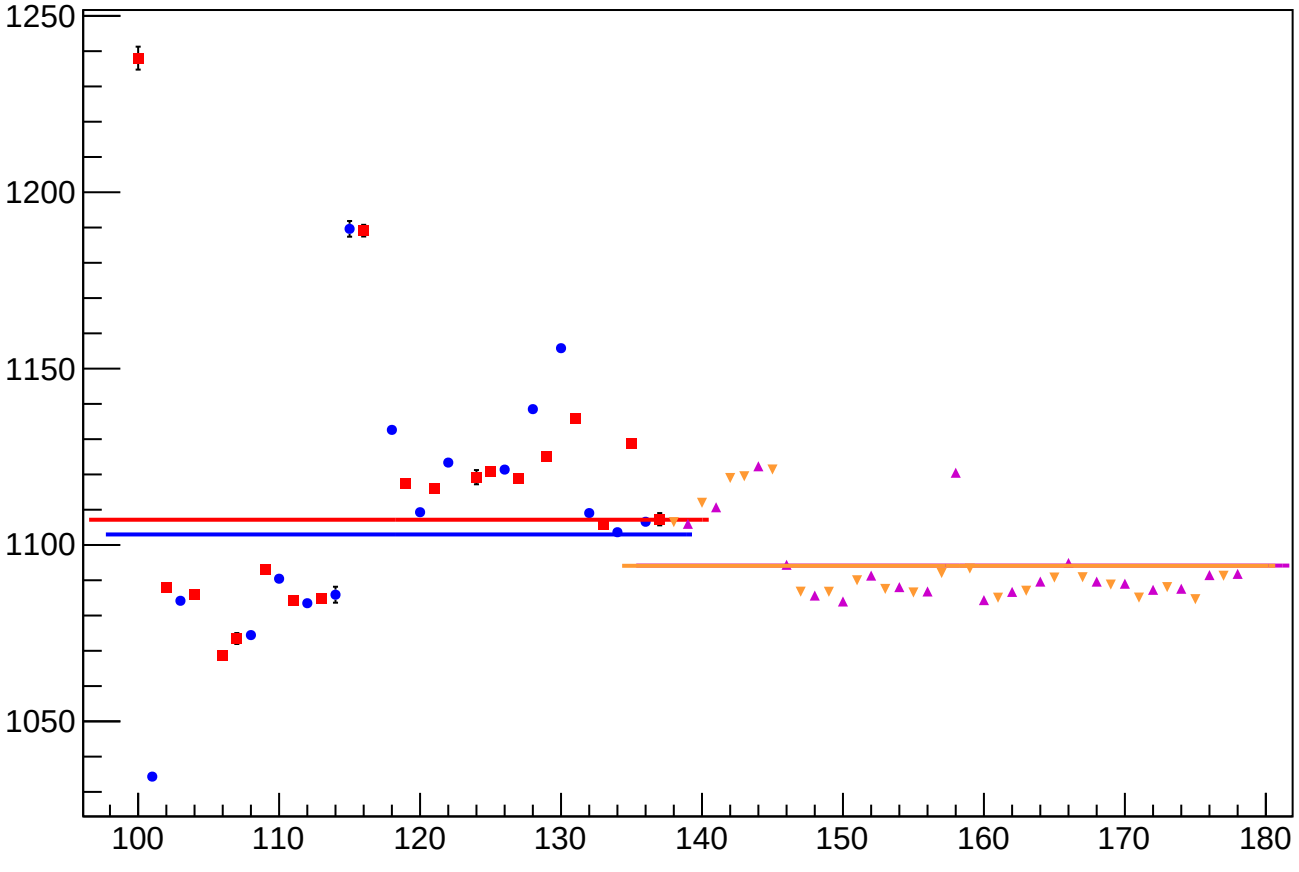
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2507.069+/-225.843 χ^2/NDF:35.1/35

Out: 2041.922+/-223.228 χ^2/NDF:24.9/39

All: 2271.786+/-158.763 χ^2/NDF: 62.1/75

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: 1094.164+/-0.191 χ^2/NDF:3538.6/19

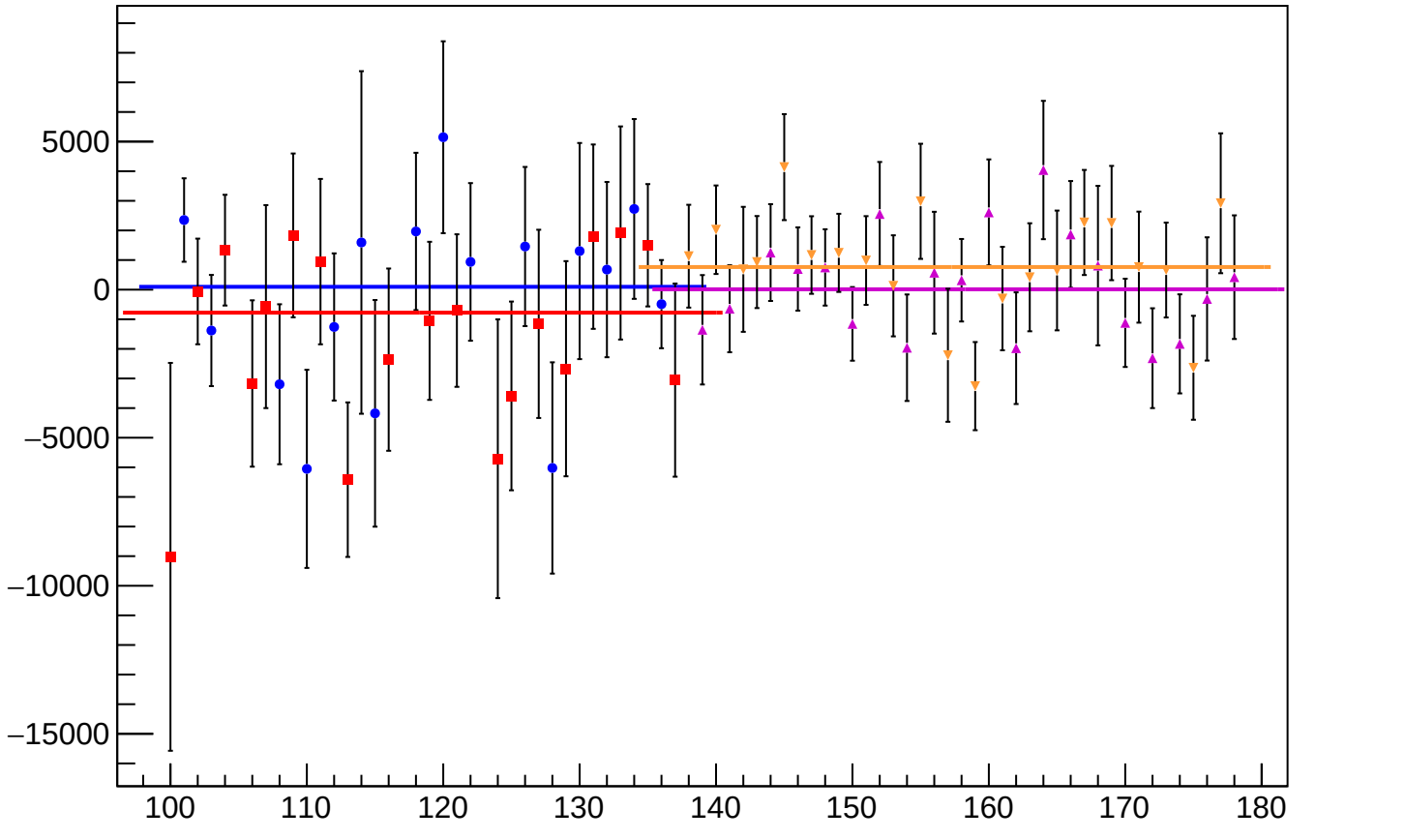
Left: 1094.133+/-0.135 χ^2/NDF: 7280.4/40

Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1096.843+/-0.160 χ^2/NDF:17408.0/35

Out: 1098.093+/-0.158 χ^2/NDF:13877.1/39

All: 1097.475+/-0.112 χ^2/NDF: 31316.1/75



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: 12.189+/-374.982 χ^2/NDF:17.3/19

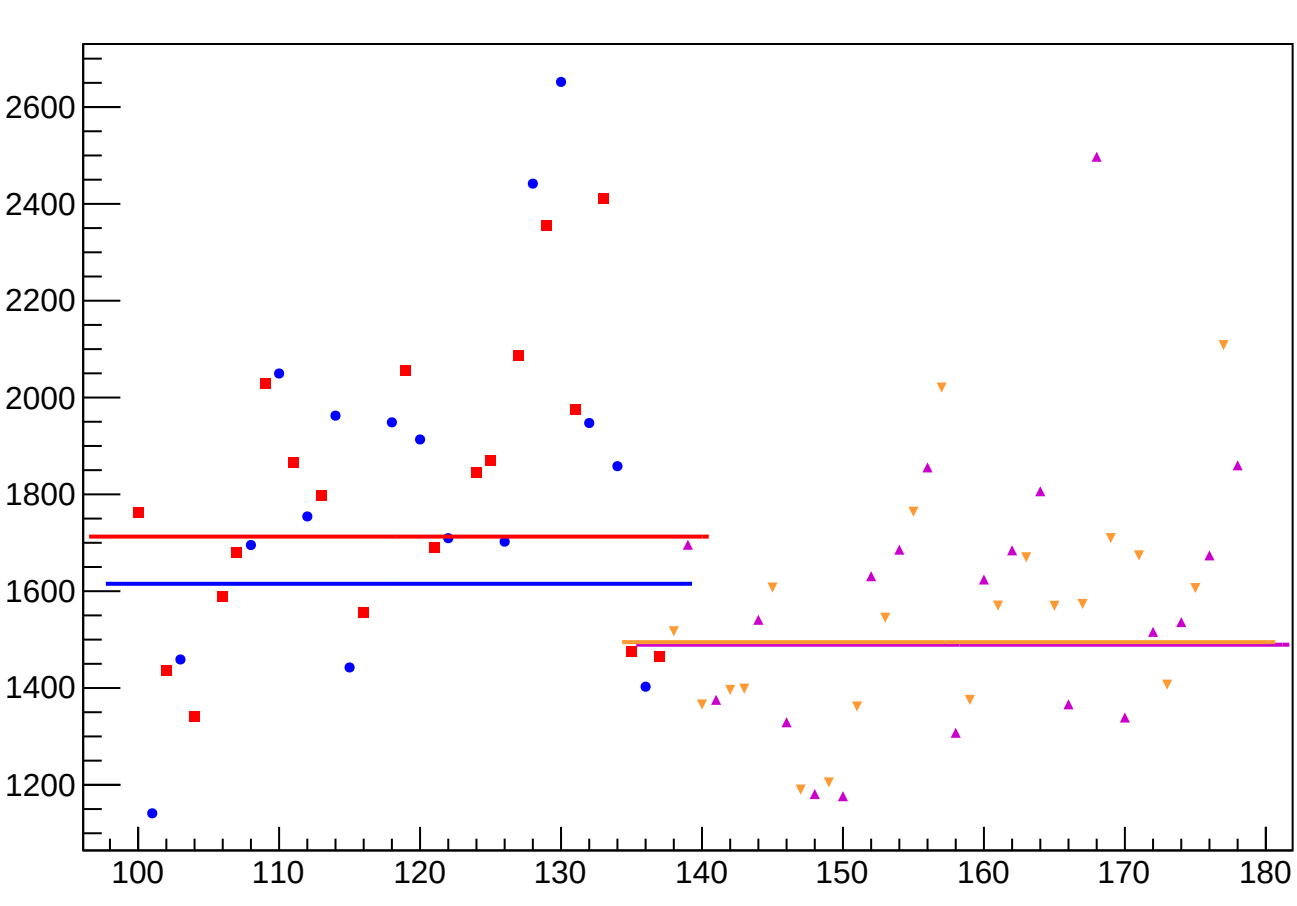
Left: 391.152+/-264.082 χ^2/NDF: 40.7/40

Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: 34.725+/-320.597 χ^2/NDF:34.2/35

Out: 372.162+/-321.211 χ^2/NDF:40.8/39

All: 203.120+/-226.913 χ^2/NDF: 75.6/75



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: 1489.443+/-0.265 χ^2/NDF:900530.0/19

Left: 1492.135+/-0.187 χ^2/NDF: 1539752.1/40

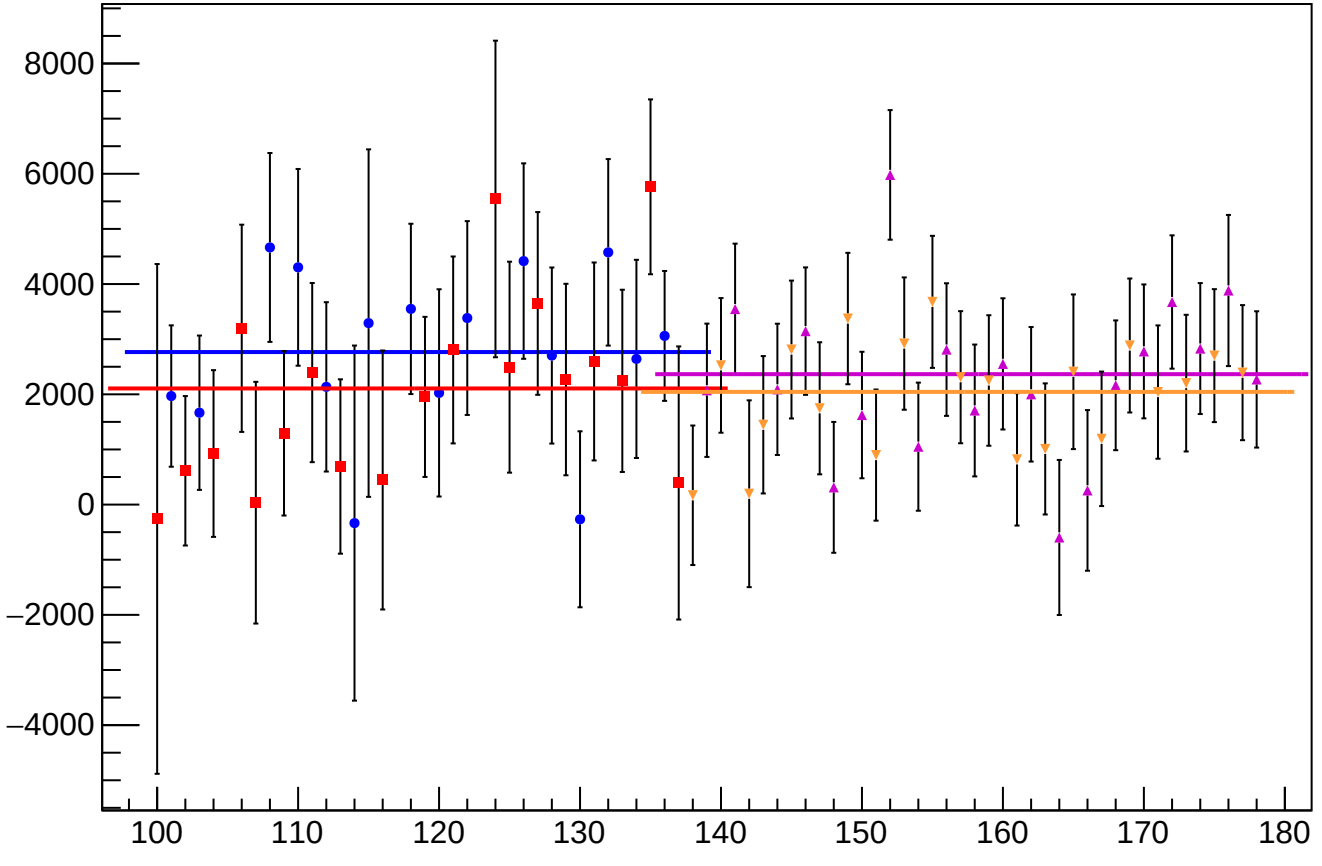
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1523.307+/-0.227 χ^2/NDF:1654789.2/35

Out: 1550.226+/-0.227 χ^2/NDF:1241795.6/39

All: 1536.741+/-0.160 χ^2/NDF: 2903621.7/75

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: 2365.374+/-272.059 χ^2/NDF:25.5/19

Left: 2203.164+/-191.393 χ^2/NDF: 38.3/40

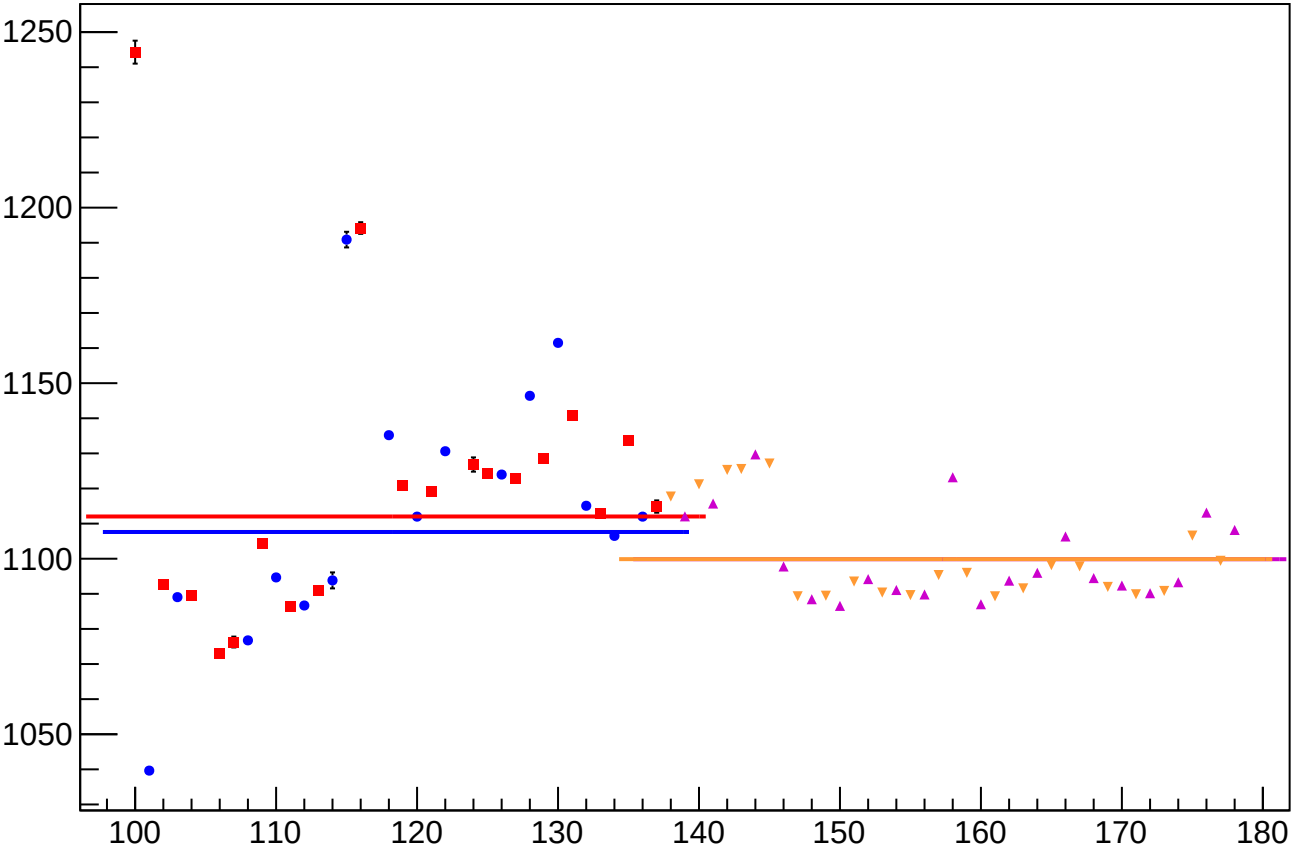
Right: 2431.678+/-288.883 χ^2/NDF: 25.0/34

In: 2487.401+/-226.954 χ^2/NDF:36.5/35

Out: 2063.234+/-224.352 χ^2/NDF:25.5/39

All: 2272.871+/-159.553 χ^2/NDF: 63.7/75

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: 1099.858+/-0.192 χ^2/NDF:4263.6/19

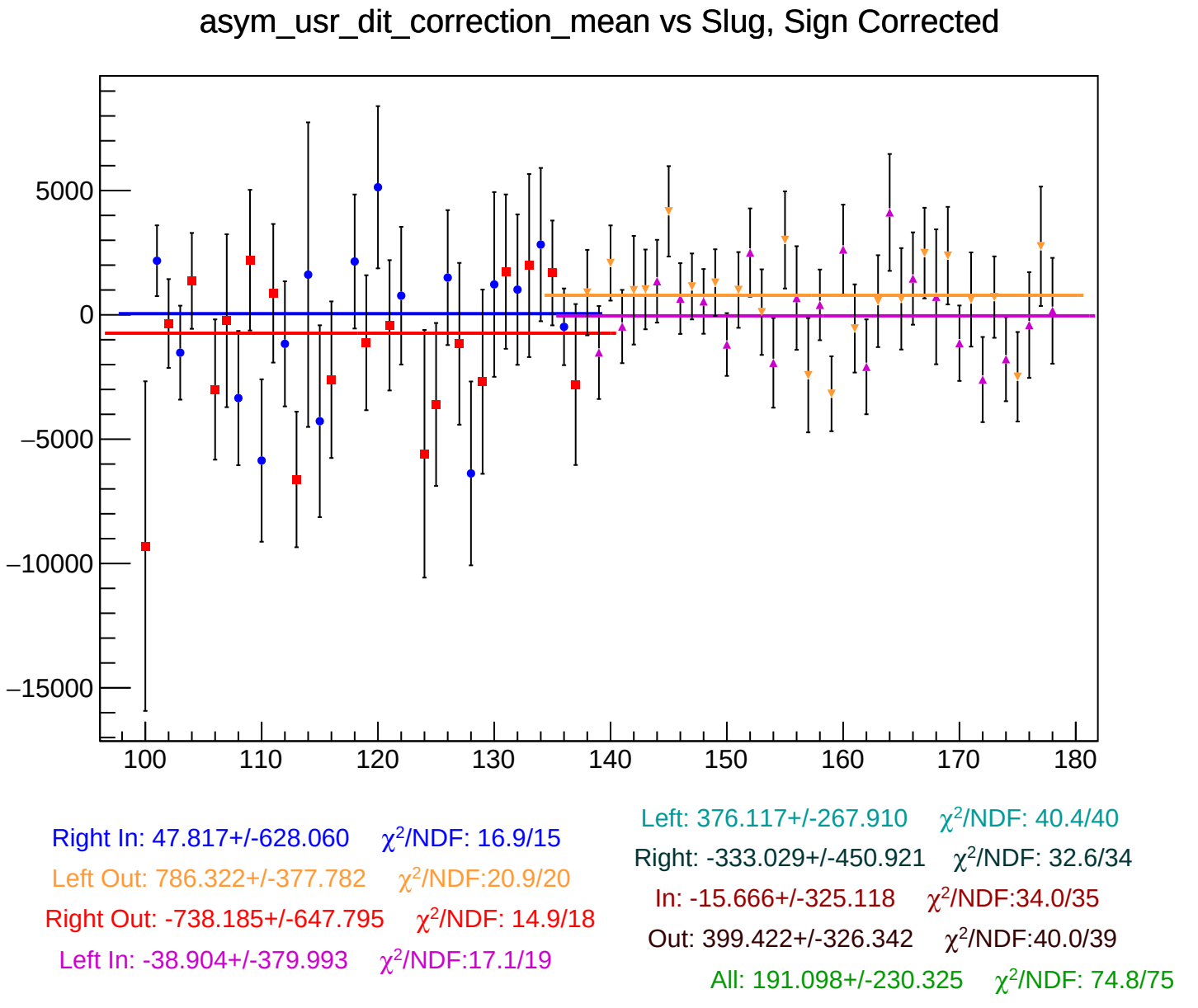
Left: 1099.868+/-0.135 χ^2/NDF: 8860.8/40

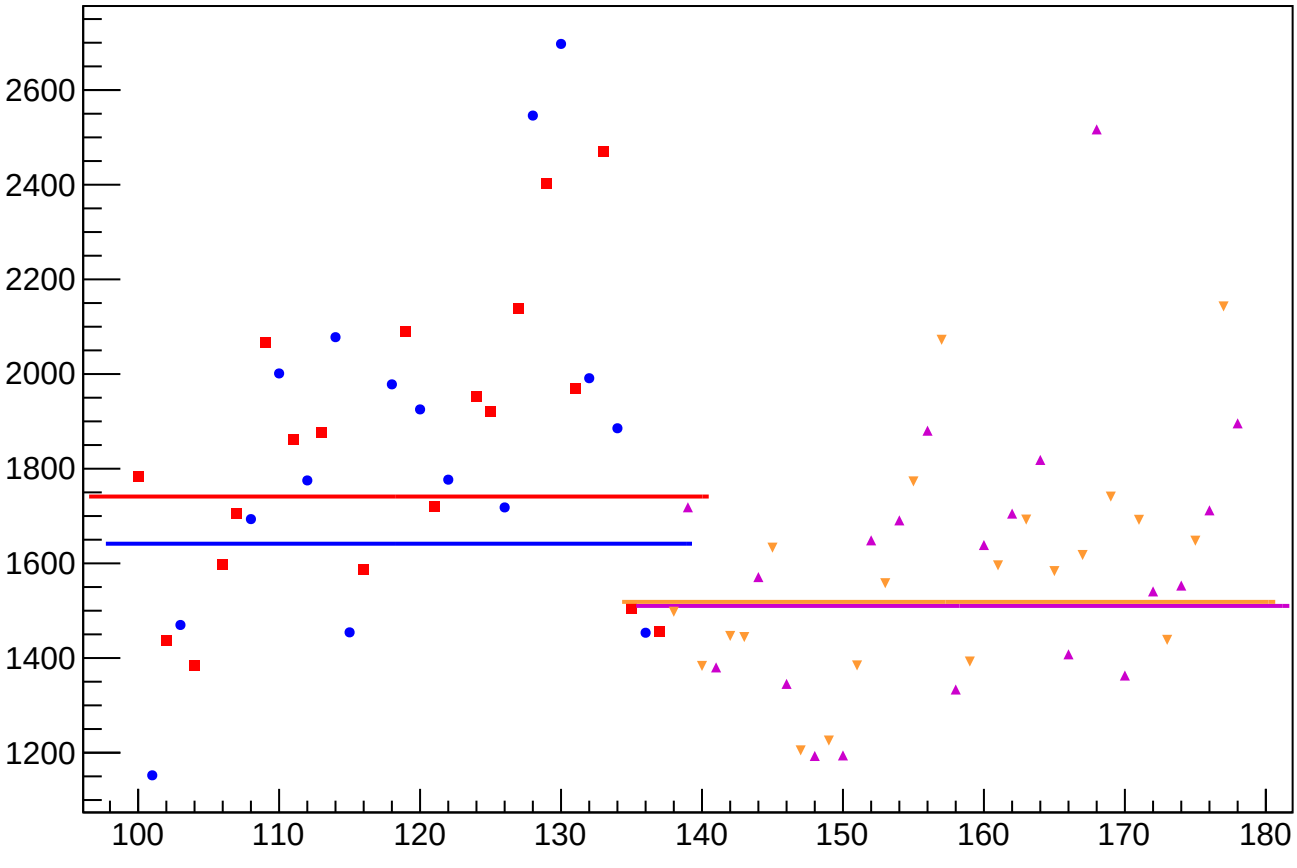
Right: 1109.854+/-0.204 χ^2/NDF: 21991.1/34

In: 1102.216+/-0.160 χ^2/NDF:17978.7/35

Out: 1103.596+/-0.159 χ^2/NDF:14496.6/39

All: 1102.914+/-0.113 χ^2/NDF: 32512.7/75


asym_usr_dit_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 47.817+/-628.060 χ²/NDF: 16.9/15
Left Out: 786.322+/-377.782 χ²/NDF:20.9/20
Right Out: -738.185+/-647.795 χ²/NDF: 14.9/18
Left In: -38.904+/-379.993 χ²/NDF:17.1/19
Left: 376.117+/-267.910 χ²/NDF: 40.4/40
Right: -333.029+/-450.921 χ²/NDF: 32.6/34
In: -15.666+/-325.118 χ²/NDF:34.0/35
Out: 399.422+/-326.342 χ²/NDF:40.0/39
All: 191.098+/-230.325 χ²/NDF: 74.8/75



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: 1510.127+/-0.269 χ^2/NDF:891455.9/19

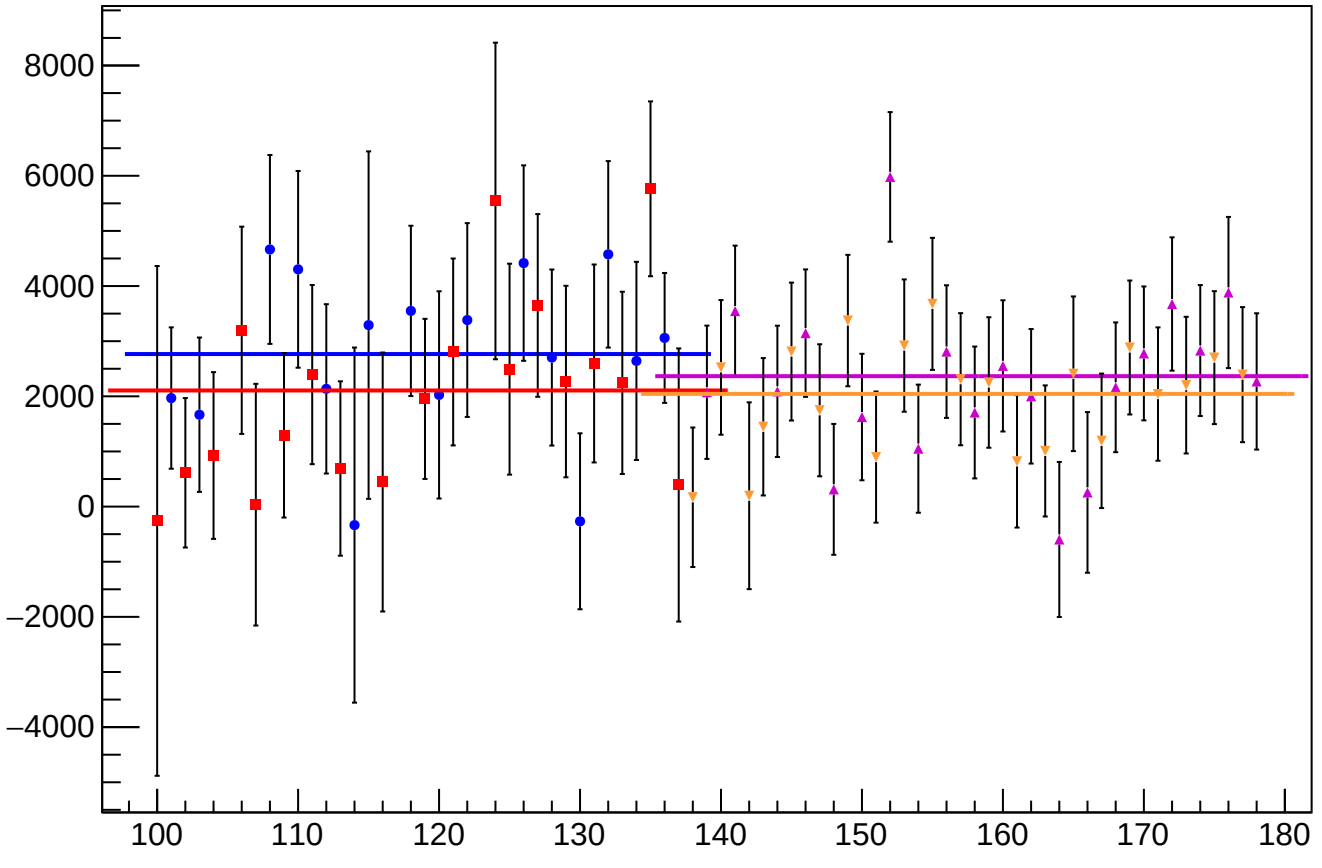
Left: 1514.412+/-0.189 χ^2/NDF: 1532861.3/40

Right: 1689.828+/-0.319 χ^2/NDF: 1164049.3/34

In: 1545.341+/-0.230 χ^2/NDF:1656861.8/35

Out: 1575.129+/-0.231 χ^2/NDF:1255385.7/39

All: 1560.179+/-0.163 χ^2/NDF: 2920610.6/75



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: 2365.374+/-272.059 χ^2/NDF:25.5/19

Left: 2203.163+/-191.393 χ^2/NDF: 38.3/40

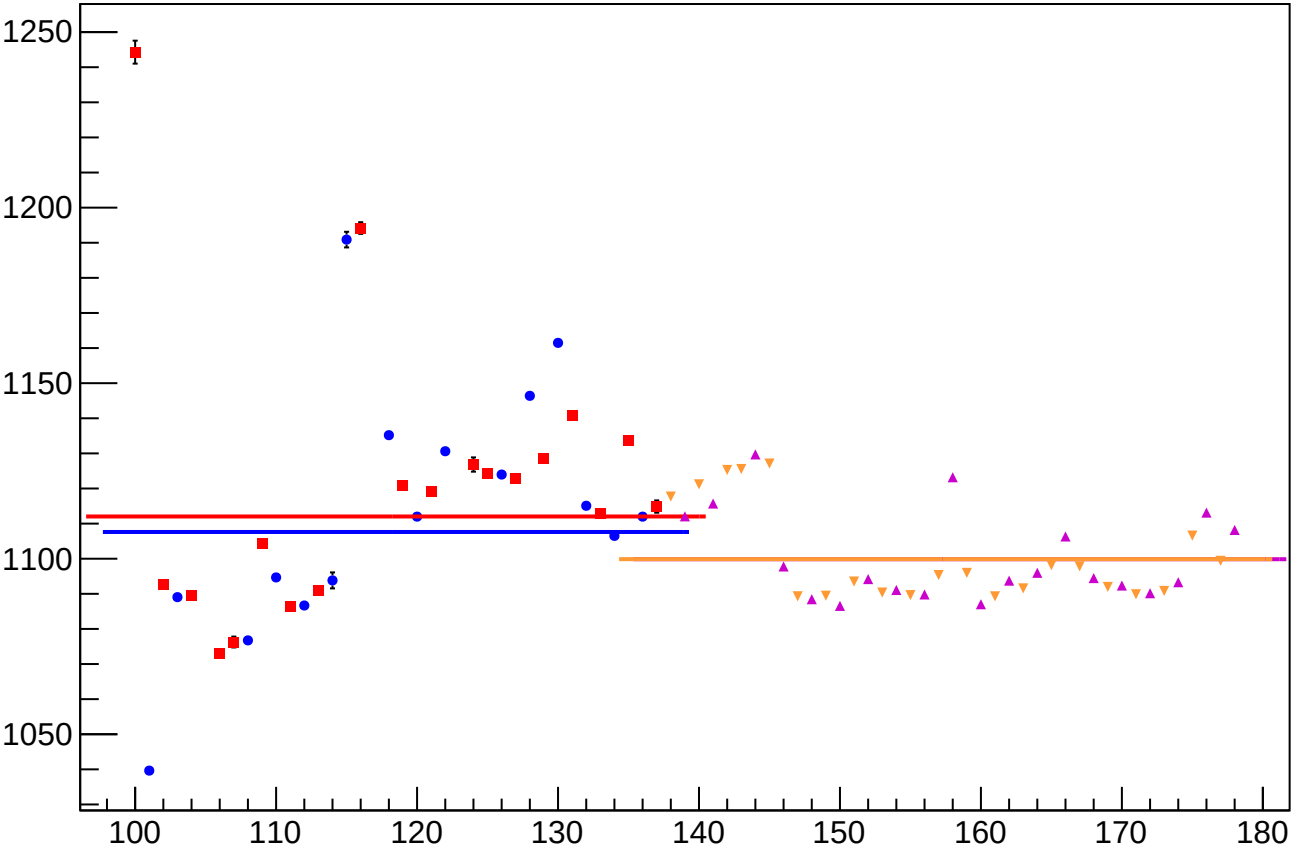
Right: 2431.678+/-288.882 χ^2/NDF: 25.0/34

In: 2487.401+/-226.954 χ^2/NDF:36.5/35

Out: 2063.233+/-224.352 χ^2/NDF:25.5/39

All: 2272.871+/-159.553 χ^2/NDF: 63.7/75

eigen_dit_asym_usr_rms vs Slug, Sign Corrected



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: 1099.858+/-0.192 χ^2/NDF:4263.6/19

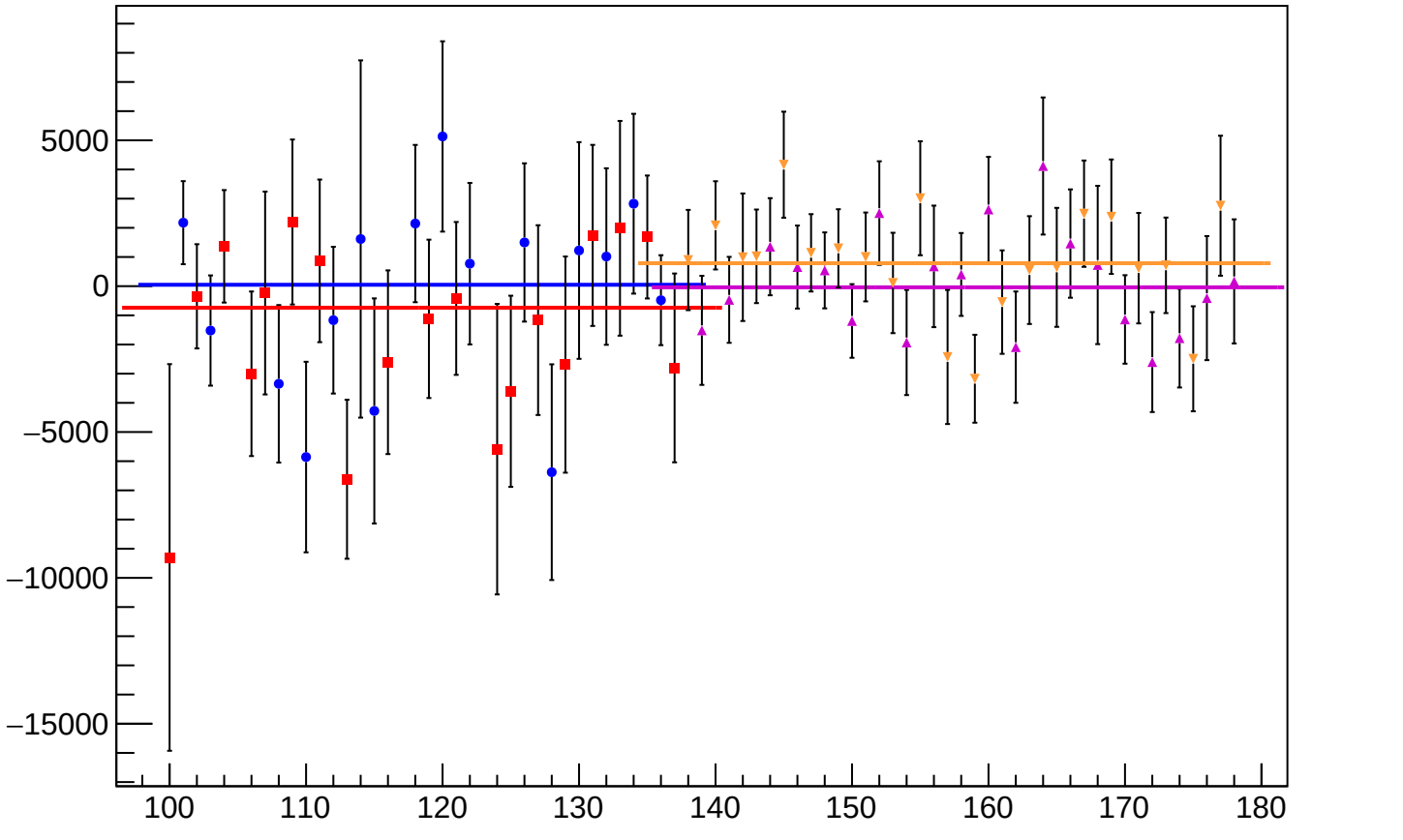
Left: 1099.868+/-0.135 χ^2/NDF: 8860.7/40

Right: 1109.853+/-0.204 χ^2/NDF: 21991.0/34

In: 1102.216+/-0.160 χ^2/NDF:17978.5/35

Out: 1103.596+/-0.159 χ^2/NDF:14496.6/39

All: 1102.914+/-0.113 χ^2/NDF: 32512.5/75



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: -38.903+/-379.994 χ^2/NDF:17.1/19

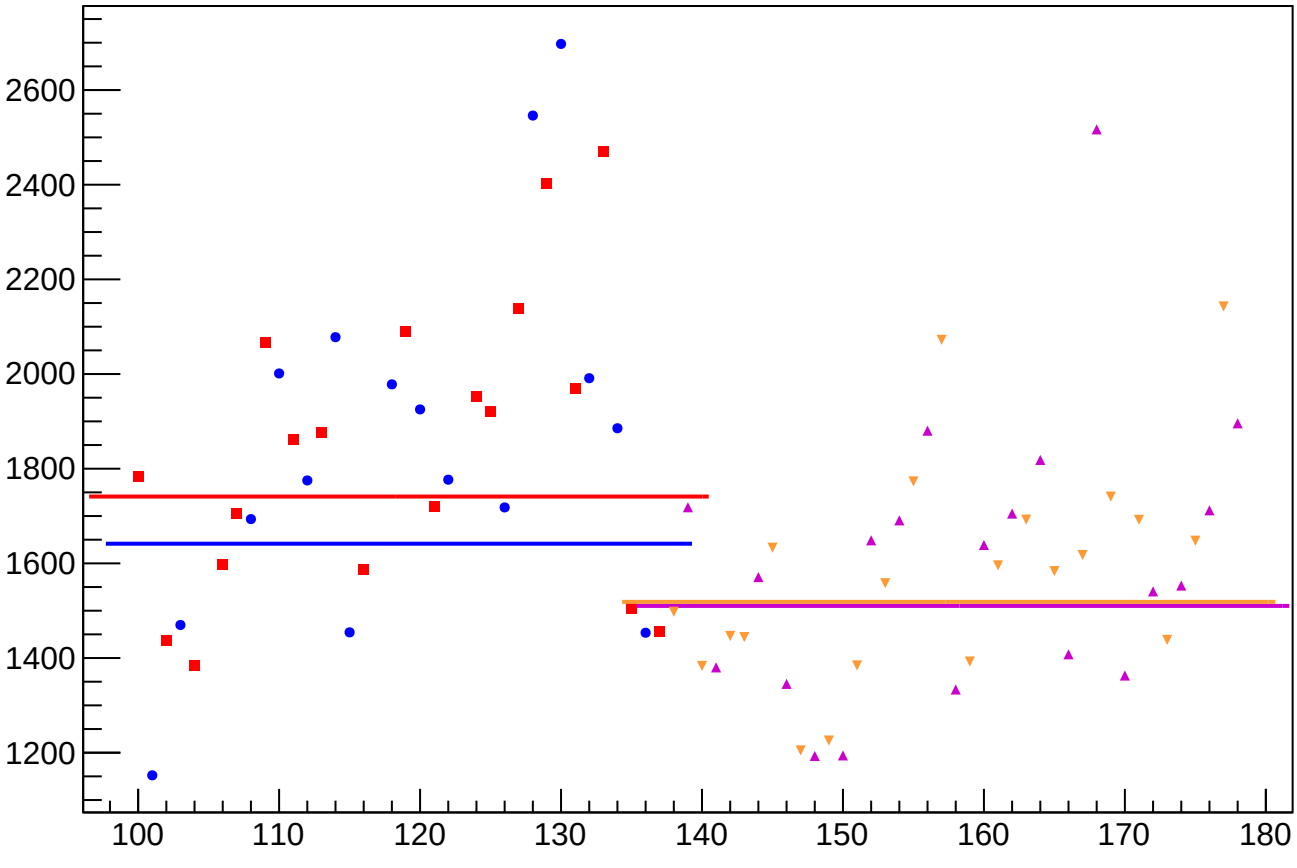
Left: 376.117+/-267.911 χ^2/NDF: 40.4/40

Right: -333.032+/-450.921 χ^2/NDF: 32.6/34

In: -15.666+/-325.119 χ^2/NDF:34.0/35

Out: 399.418+/-326.342 χ^2/NDF:40.0/39

All: 191.096+/-230.325 χ^2/NDF: 74.8/75



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: 1510.131+/-0.269 χ^2/NDF:891461.3/19

Left: 1514.416+/-0.189 χ^2/NDF: 1532870.8/40

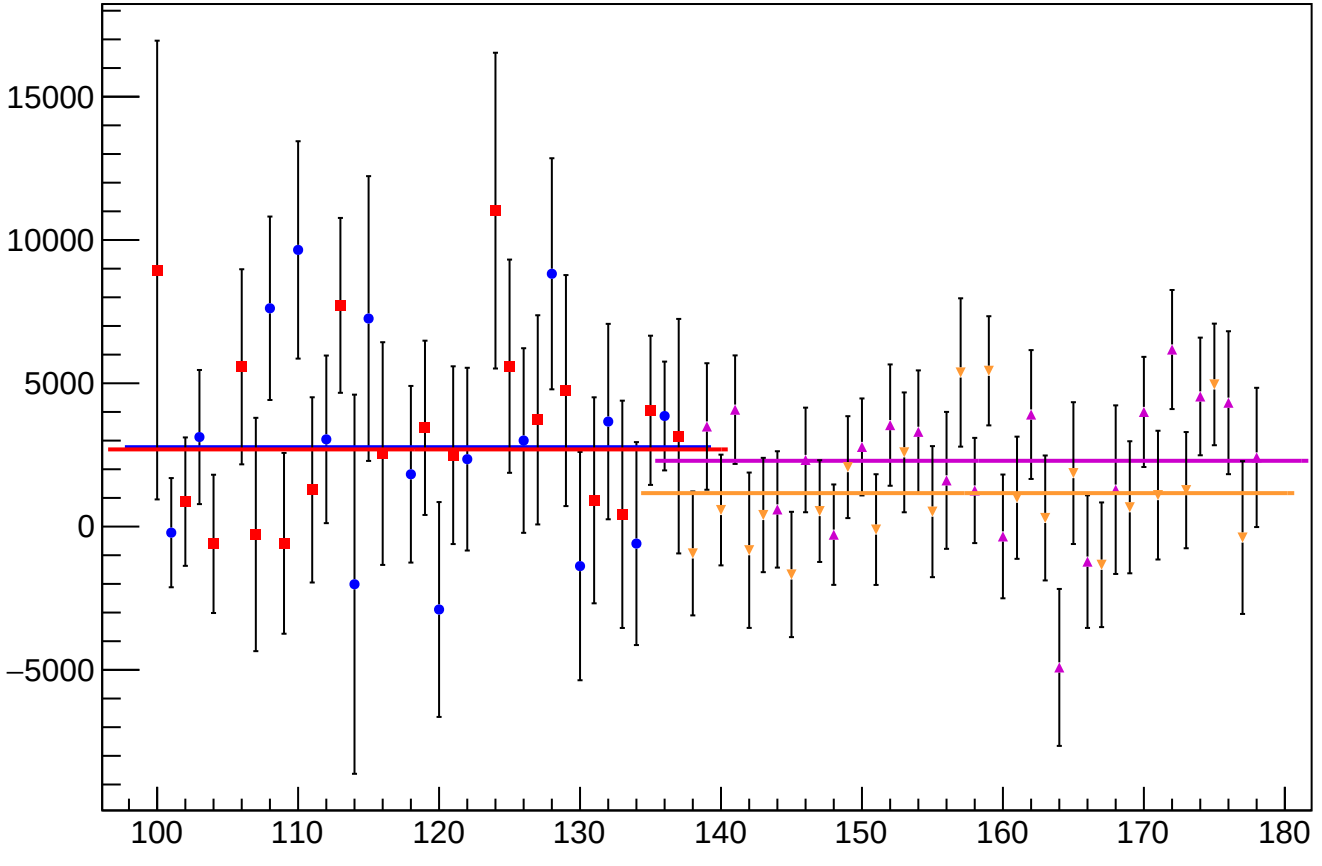
Right: 1689.826+/-0.319 χ^2/NDF: 1164025.0/34

In: 1545.343+/-0.230 χ^2/NDF:1656849.3/35

Out: 1575.131+/-0.231 χ^2/NDF:1255369.4/39

All: 1560.181+/-0.163 χ^2/NDF: 2920582.0/75

asym_usr_mean vs Slug, Sign Corrected



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: 2295.213+/-469.698 χ^2/NDF:22.6/19

Left: 1725.646+/-330.488 χ^2/NDF: 43.1/40

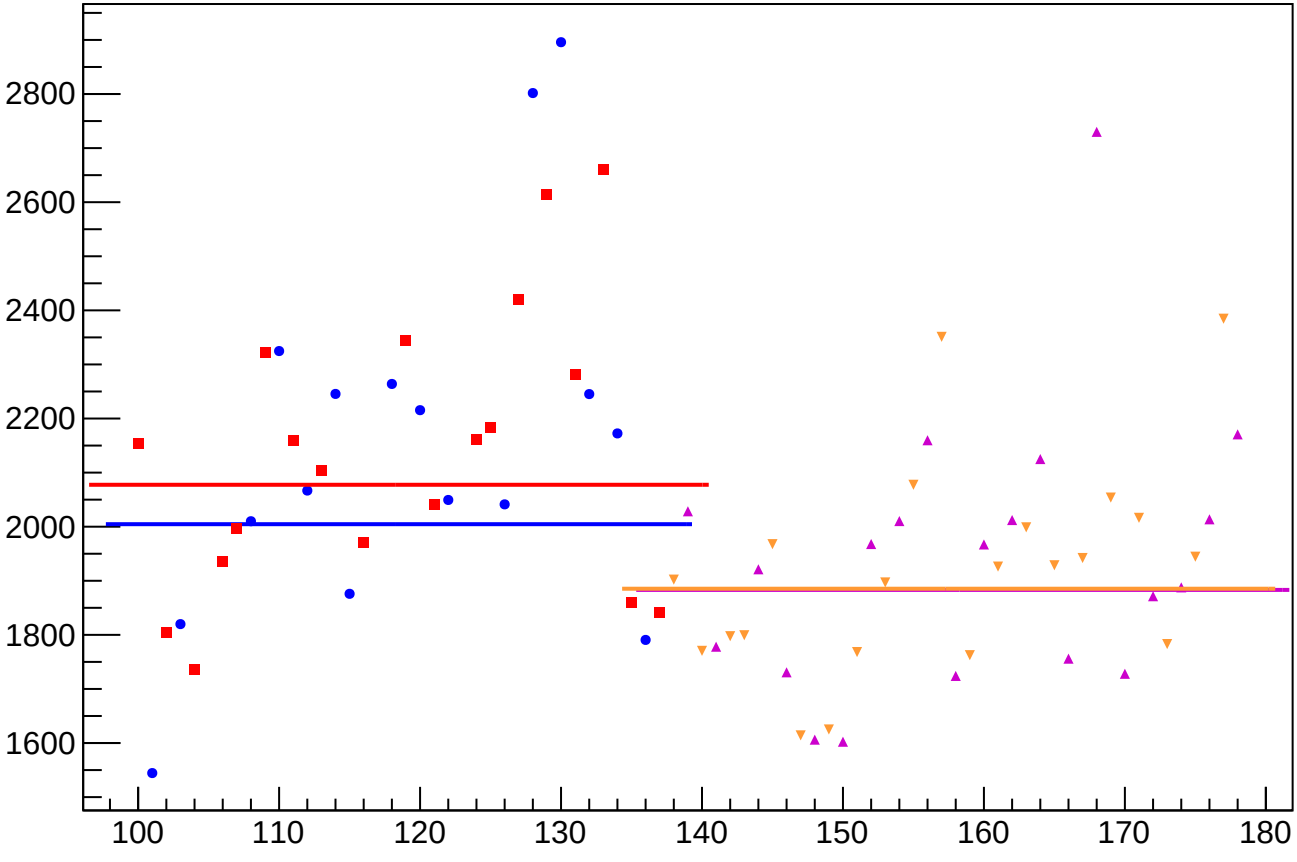
Right: 2731.727+/-538.387 χ^2/NDF: 29.0/34

In: 2427.149+/-399.129 χ^2/NDF:39.3/35

Out: 1578.269+/-397.519 χ^2/NDF:33.0/39

All: 2000.993+/-281.656 χ^2/NDF: 74.6/75

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: 1883.115+/-0.332 χ^2/NDF:430241.9/19

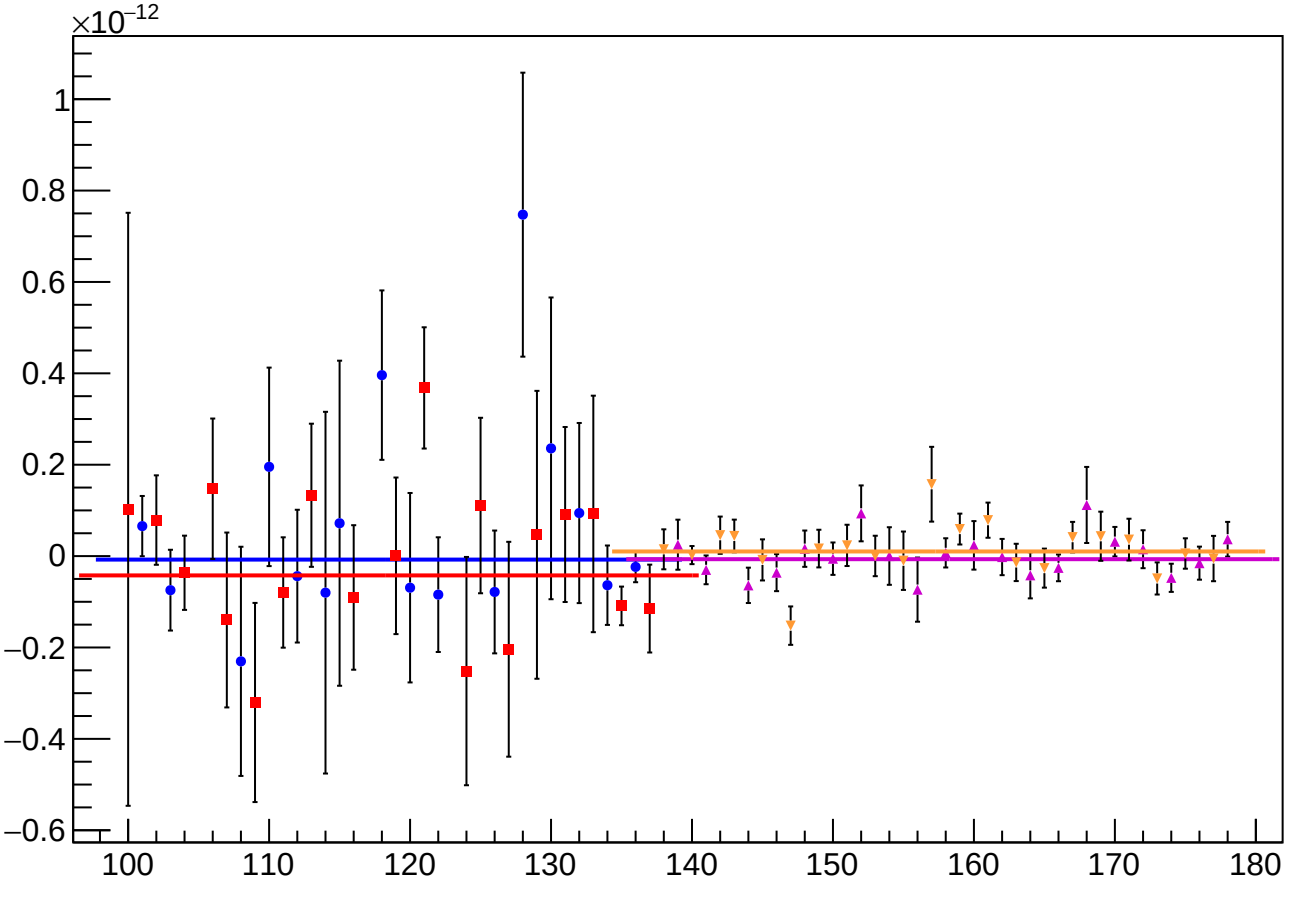
Left: 1884.227+/-0.234 χ^2/NDF: 732677.3/40

Right: 2040.654+/-0.381 χ^2/NDF: 627206.5/34

In: 1916.887+/-0.282 χ^2/NDF:855013.9/35

Out: 1937.107+/-0.281 χ^2/NDF:624921.8/39

All: 1927.038+/-0.199 χ^2/NDF: 1482512.6/75



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:15.8/19

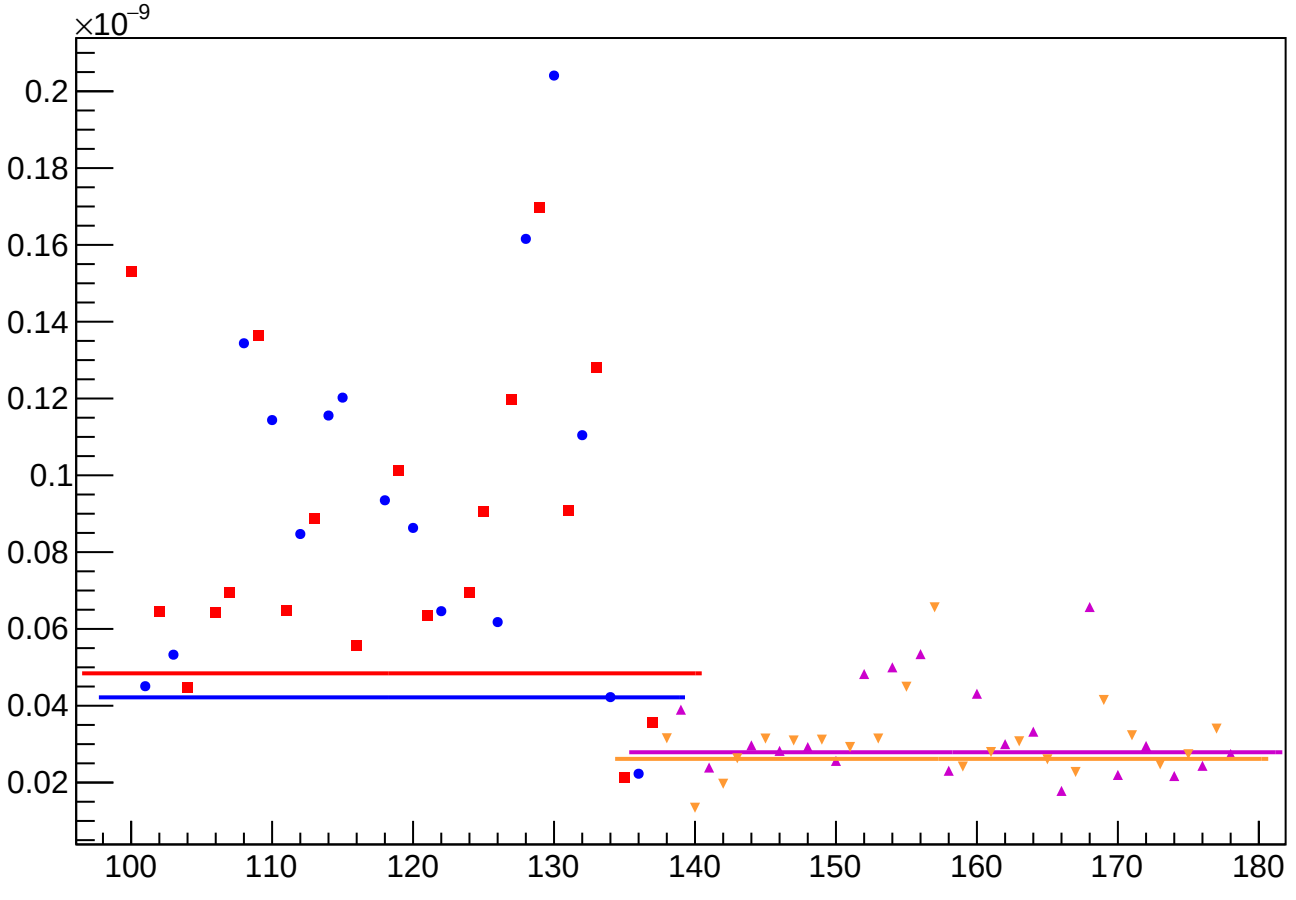
Left: 0.000+/-0.000 χ^2/NDF: 49.0/40

Right: -0.000+/-0.000 χ^2/NDF: 39.1/34

In: -0.000+/-0.000 χ^2/NDF:32.3/35

Out: 0.000+/-0.000 χ^2/NDF:56.5/39

All: -0.000+/-0.000 χ^2/NDF: 89.9/75



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:1919014.6/19

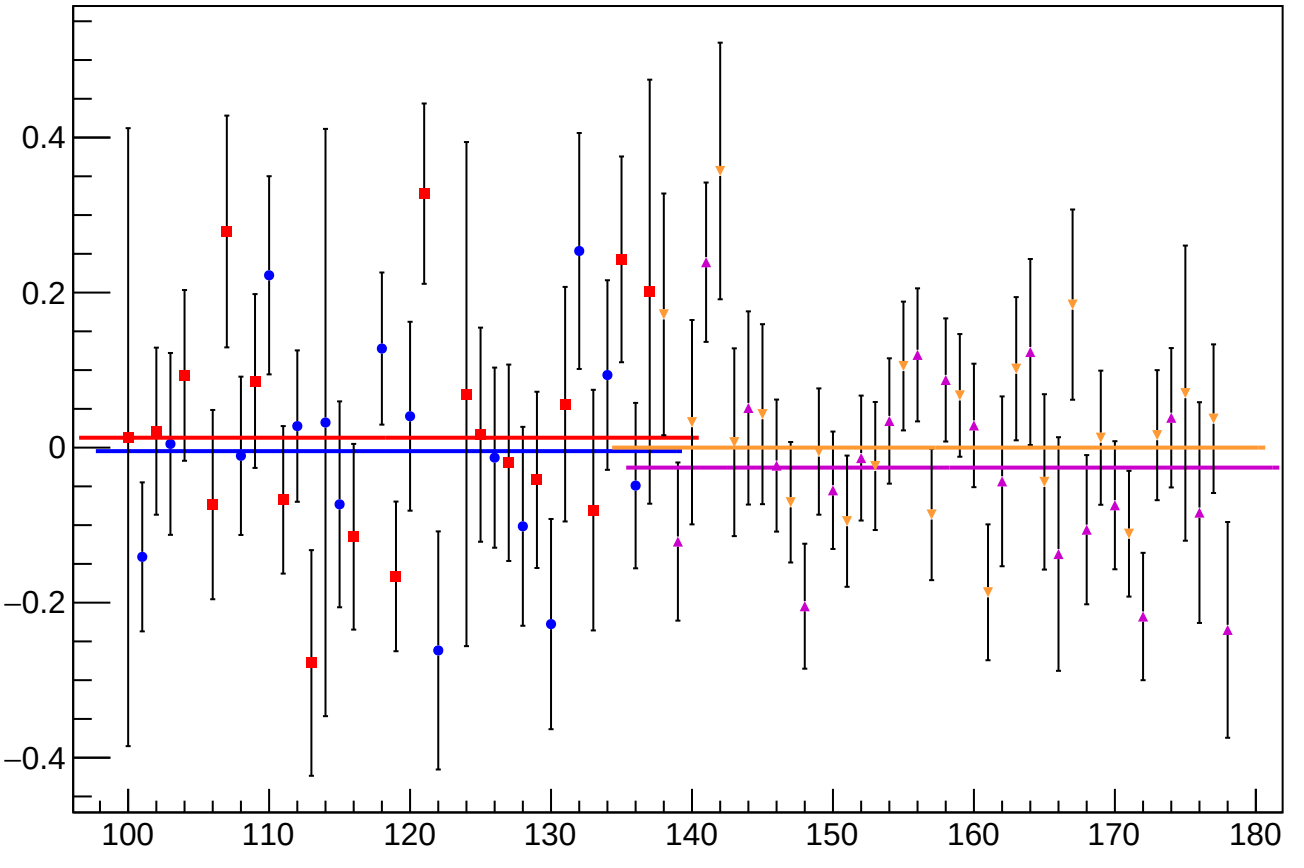
Left: 0.000+/-0.000 χ^2/NDF: 3935942.1/40

Right: 0.000+/-0.000 χ^2/NDF: 5597279.7/34

In: 0.000+/-0.000 χ^2/NDF:5462559.9/35

Out: 0.000+/-0.000 χ^2/NDF:5820629.1/39

All: 0.000+/-0.000 χ^2/NDF: 11314405.7/75



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: -0.026+/-0.021 χ^2/NDF:30.5/19

Left: -0.013+/-0.015 χ^2/NDF: 53.2/40

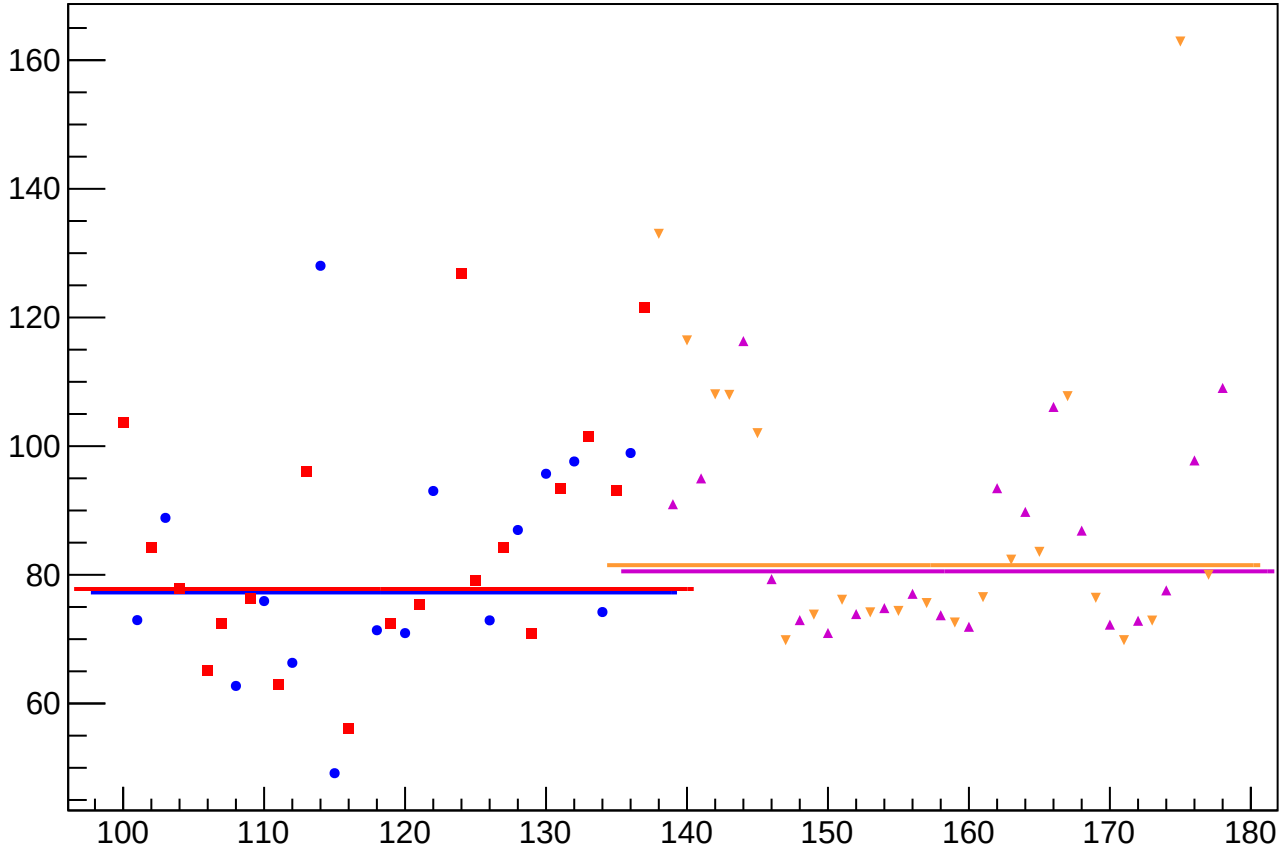
Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.019+/-0.017 χ^2/NDF:48.1/35

Out: 0.004+/-0.017 χ^2/NDF:47.6/39

All: -0.007+/-0.012 χ^2/NDF: 96.6/75

asym_usr_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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: 80.540+/-0.015 χ^2/NDF:599494.4/19

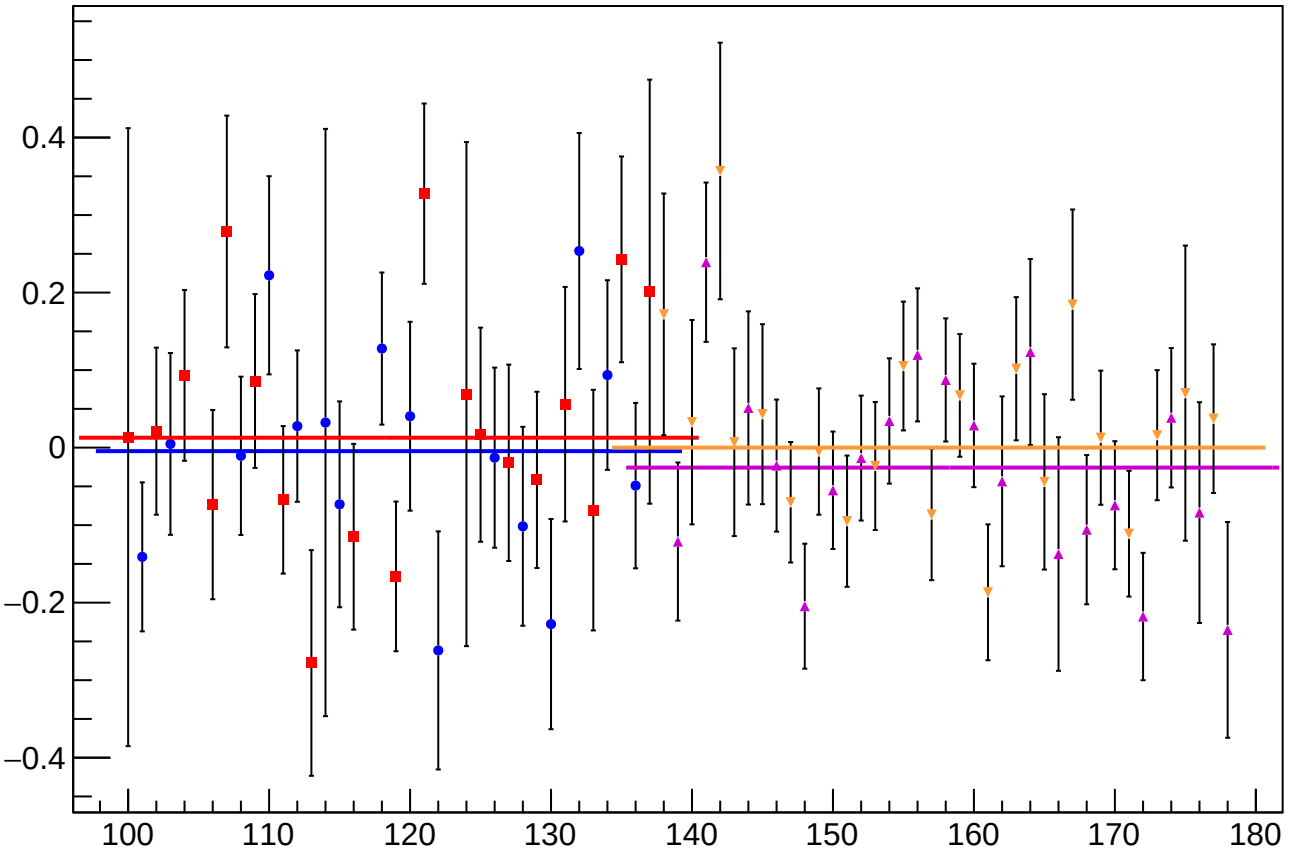
Left: 81.018+/-0.010 χ^2/NDF: 1840775.9/40

Right: 77.530+/-0.015 χ^2/NDF: 816090.7/34

In: 79.475+/-0.012 χ^2/NDF:1034895.0/35

Out: 80.272+/-0.012 χ^2/NDF:1656403.4/39

All: 79.873+/-0.009 χ^2/NDF: 2693462.2/75



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: -0.026+/-0.021 χ^2/NDF:30.5/19

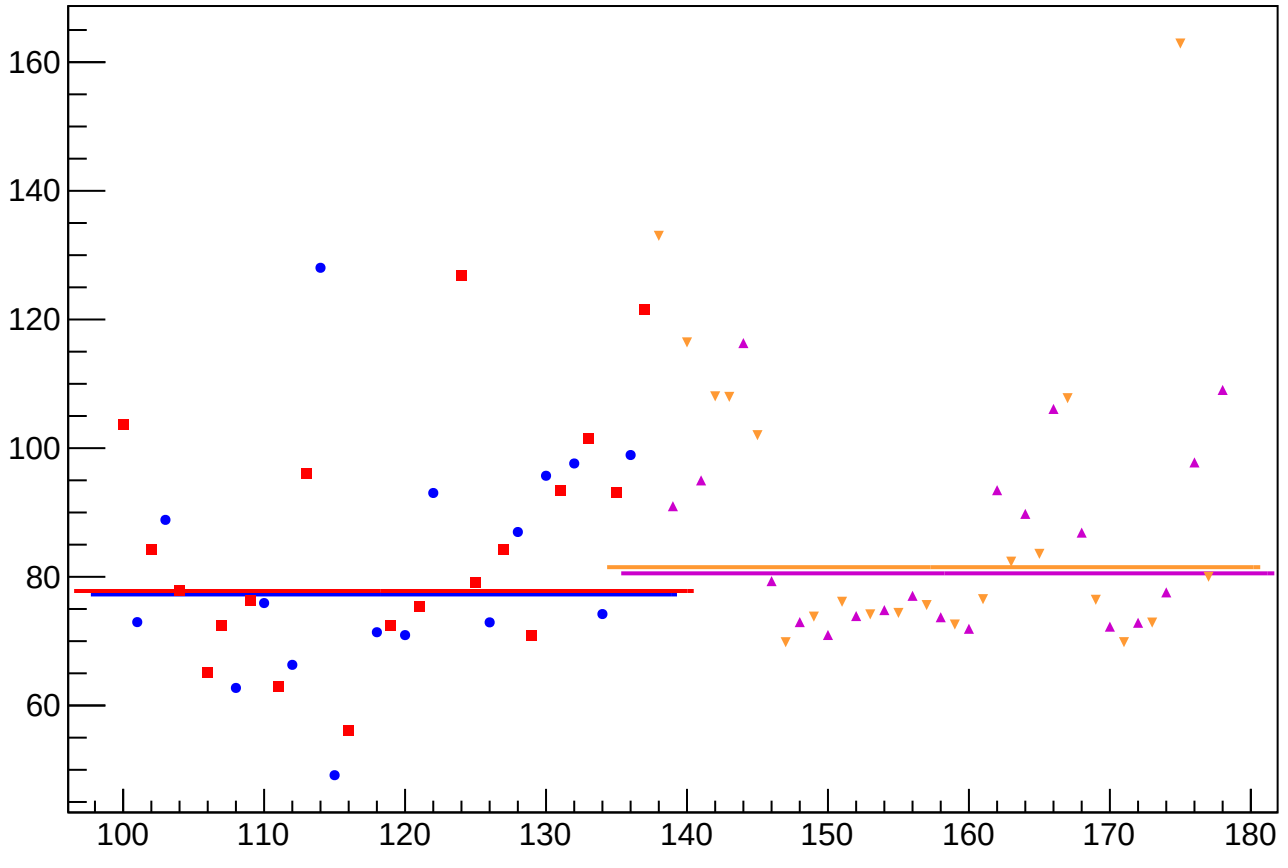
Left: -0.013+/-0.015 χ^2/NDF: 53.2/40

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.019+/-0.017 χ^2/NDF:48.1/35

Out: 0.004+/-0.017 χ^2/NDF:47.6/39

All: -0.007+/-0.012 χ^2/NDF: 96.6/75



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: 80.540+/-0.015 χ^2/NDF:599494.4/19

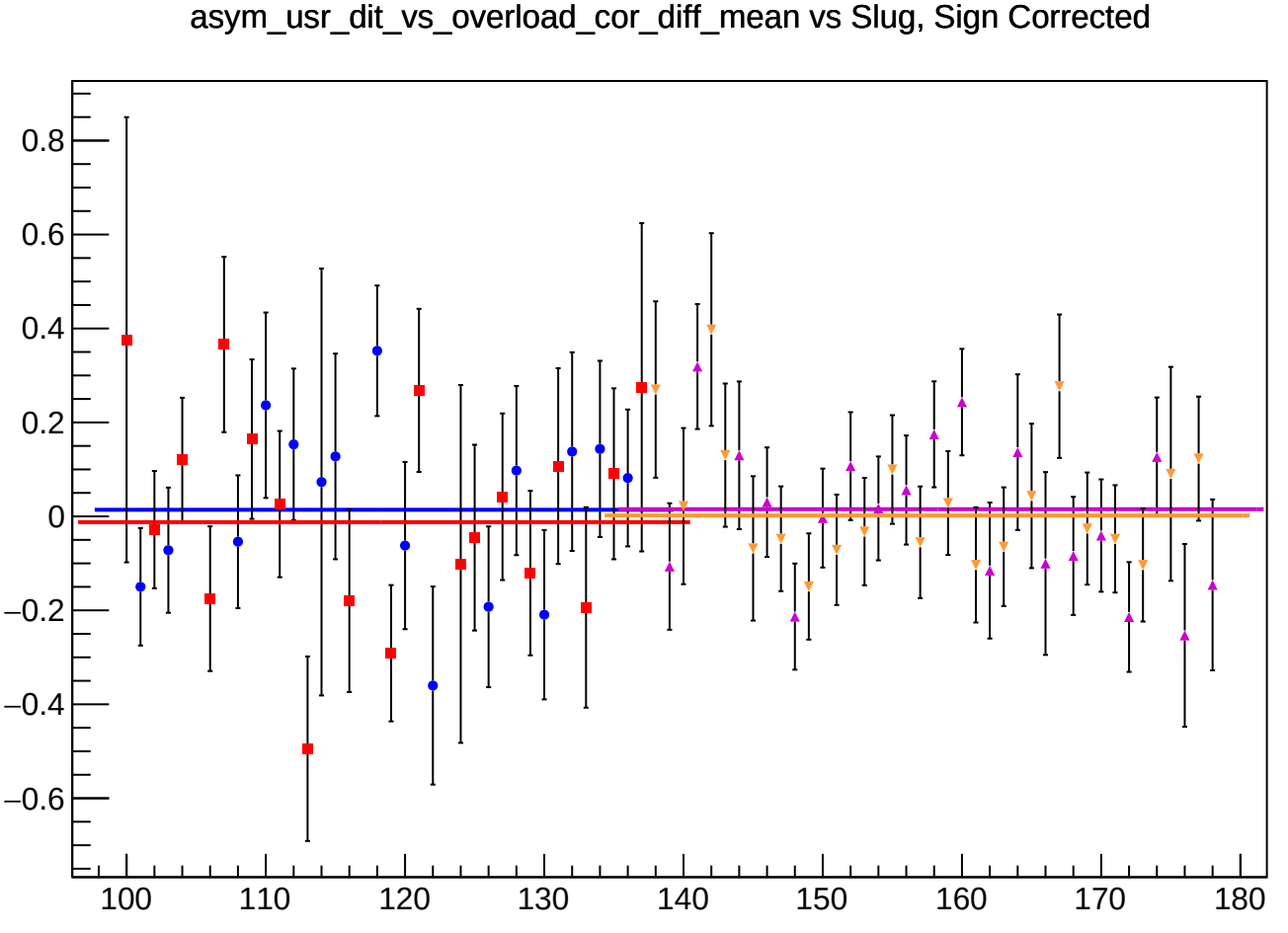
Left: 81.018+/-0.010 χ^2/NDF: 1840775.9/40

Right: 77.530+/-0.015 χ^2/NDF: 816090.7/34

In: 79.475+/-0.012 χ^2/NDF:1034895.0/35

Out: 80.272+/-0.012 χ^2/NDF:1656403.4/39

All: 79.873+/-0.009 χ^2/NDF: 2693462.2/75



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: 0.015+/-0.029 χ^2/NDF:27.4/19

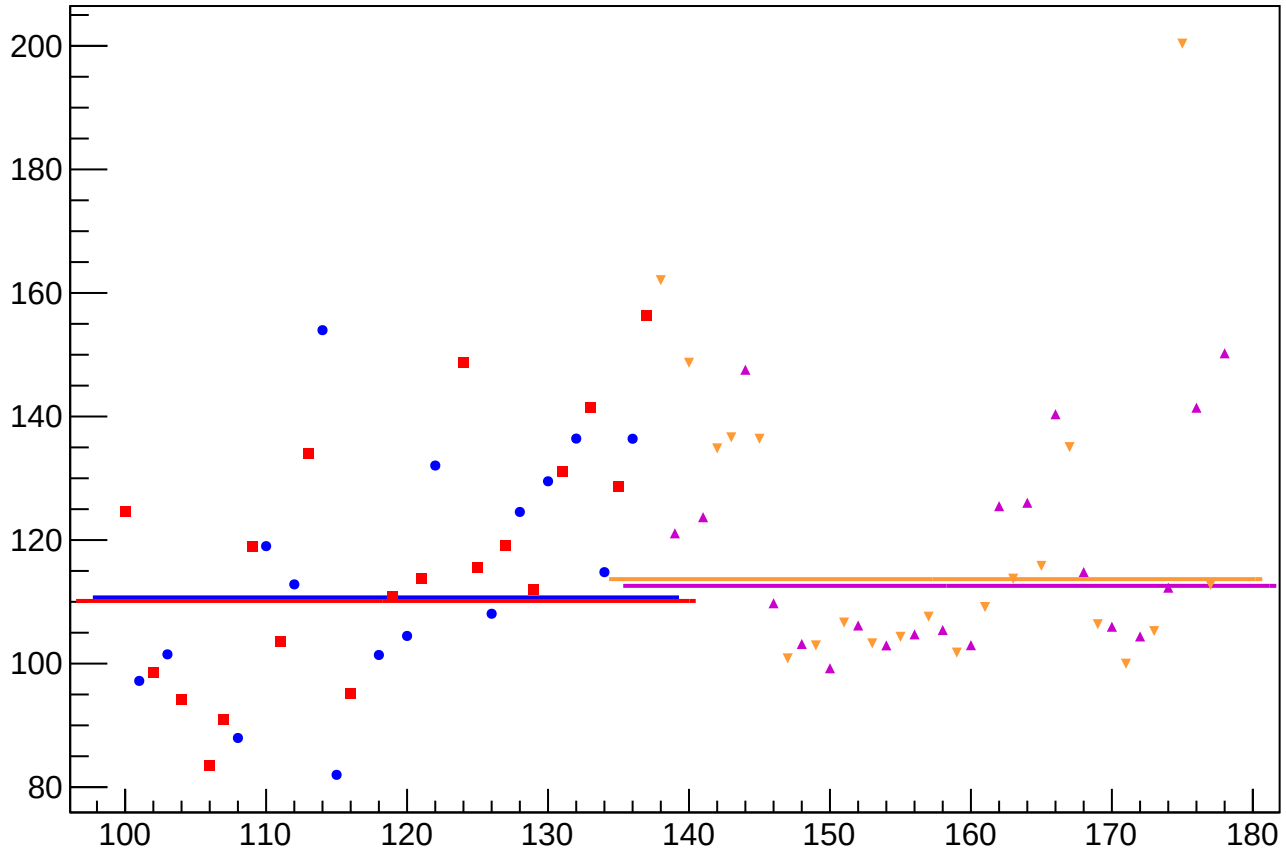
Left: 0.009+/-0.020 χ^2/NDF: 44.0/40

Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.015+/-0.024 χ^2/NDF:45.6/35

Out: -0.003+/-0.024 χ^2/NDF:40.3/39

All: 0.006+/-0.017 χ^2/NDF: 86.2/75



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: 112.586+/-0.020 χ^2/NDF:437137.1/19

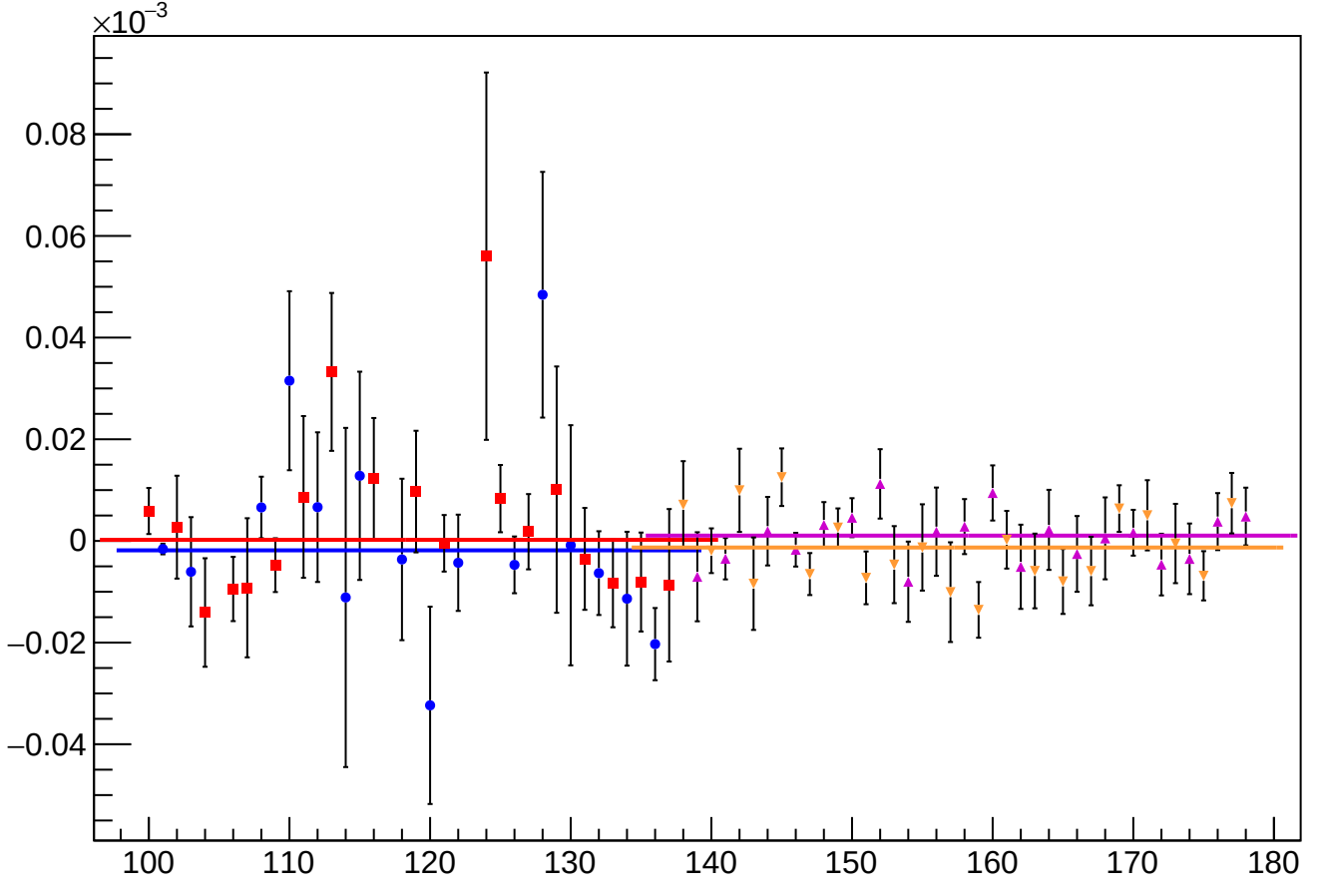
Left: 113.130+/-0.014 χ^2/NDF: 1258563.7/40

Right: 110.423+/-0.021 χ^2/NDF: 626885.1/34

In: 111.997+/-0.017 χ^2/NDF:739797.4/35

Out: 112.527+/-0.017 χ^2/NDF:1156564.4/39

All: 112.264+/-0.012 χ^2/NDF: 1896863.5/75



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:12.8/19

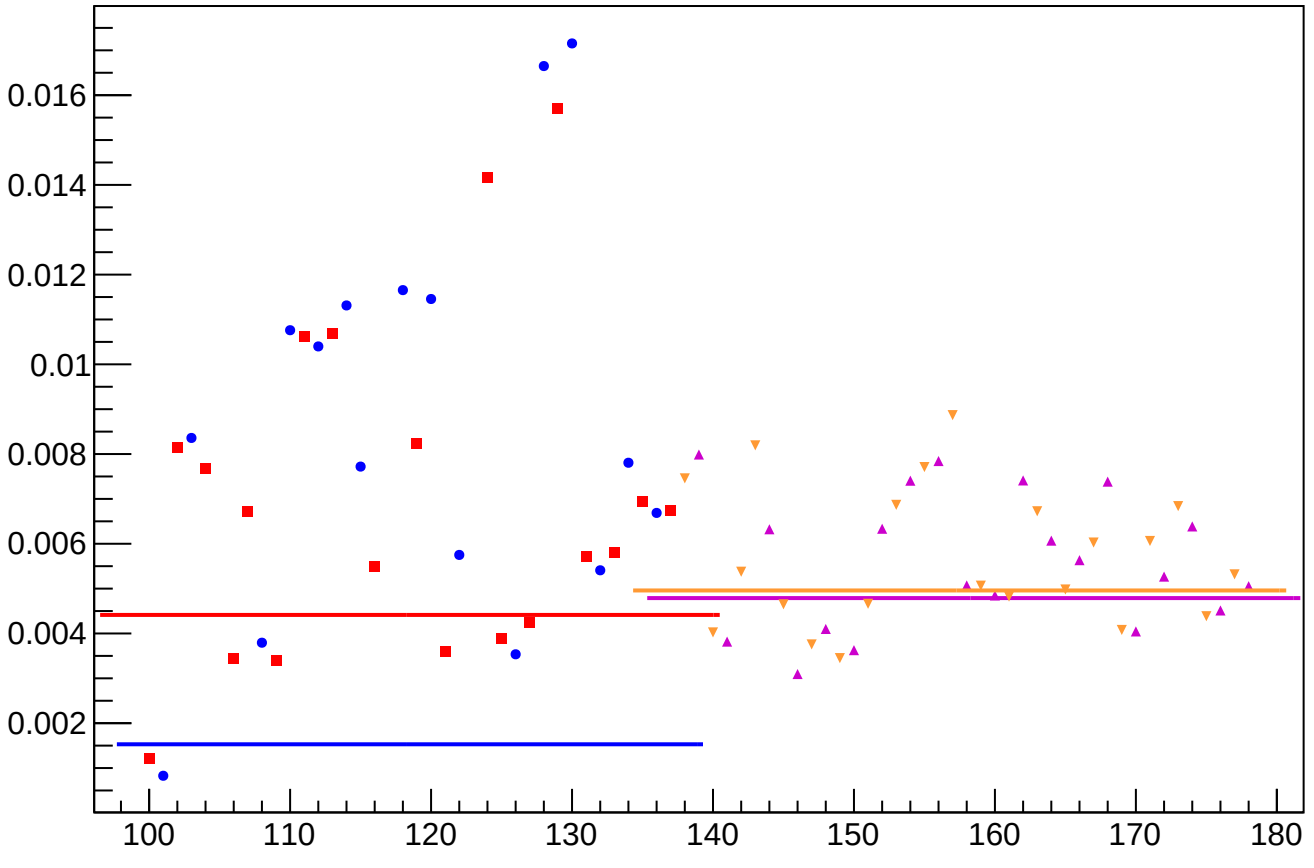
Left: -0.000+/-0.000 χ^2/NDF: 43.1/40

Right: -0.000+/-0.000 χ^2/NDF: 42.2/34

In: -0.000+/-0.000 χ^2/NDF:37.5/35

Out: -0.000+/-0.000 χ^2/NDF:48.9/39

All: -0.000+/-0.000 χ^2/NDF: 86.4/75



Right In: 0.002+/-0.000 χ^2/NDF: 9222940.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:2117788.7/20

Right Out: 0.004+/-0.000 χ^2/NDF: 3388069.5/18

Left In: 0.005+/-0.000 χ^2/NDF:2480376.2/19

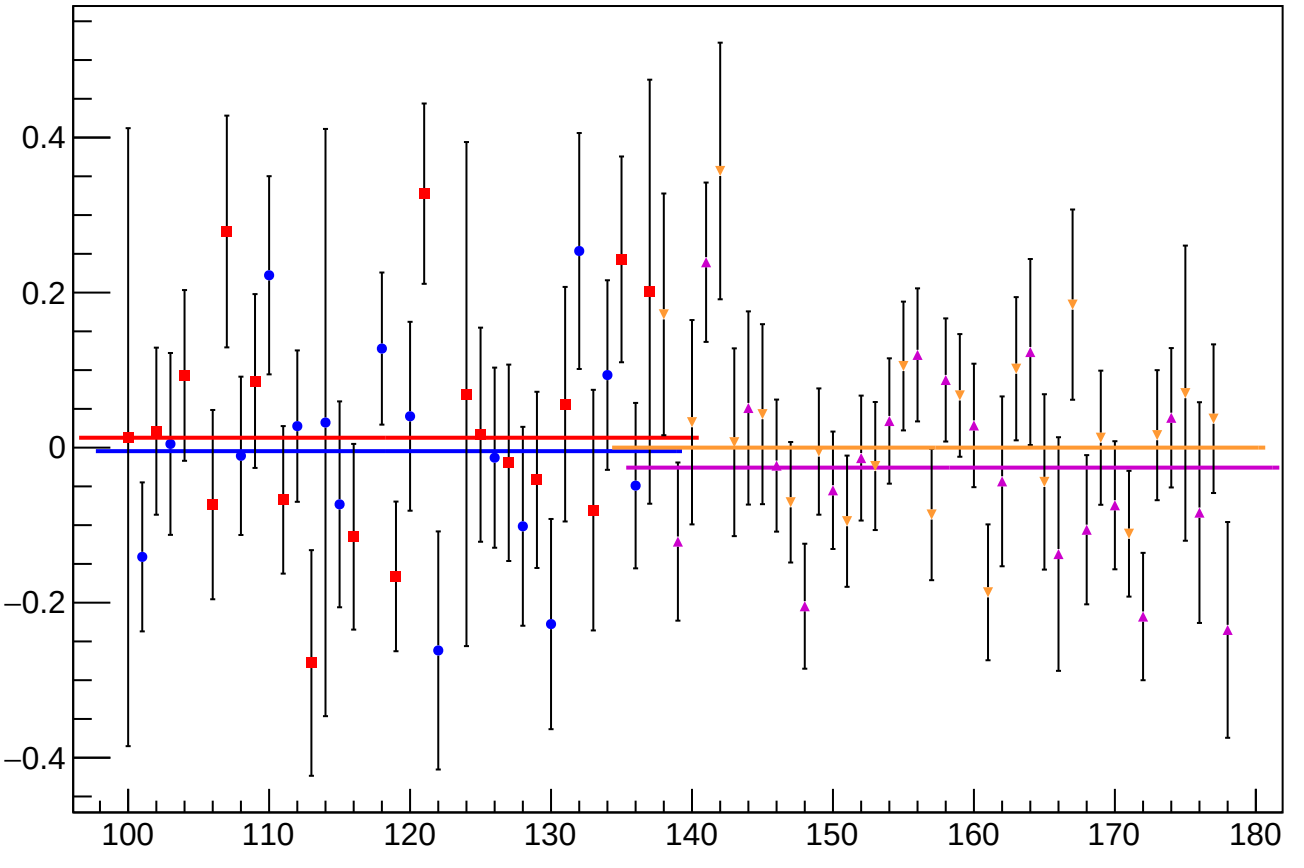
Left: 0.005+/-0.000 χ^2/NDF: 4616433.0/40

Right: 0.002+/-0.000 χ^2/NDF: 16183584.5/34

In: 0.003+/-0.000 χ^2/NDF:20229468.1/35

Out: 0.005+/-0.000 χ^2/NDF:5617420.6/39

All: 0.003+/-0.000 χ^2/NDF: 30628825.3/75



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: -0.026+/-0.021 χ^2/NDF:30.5/19

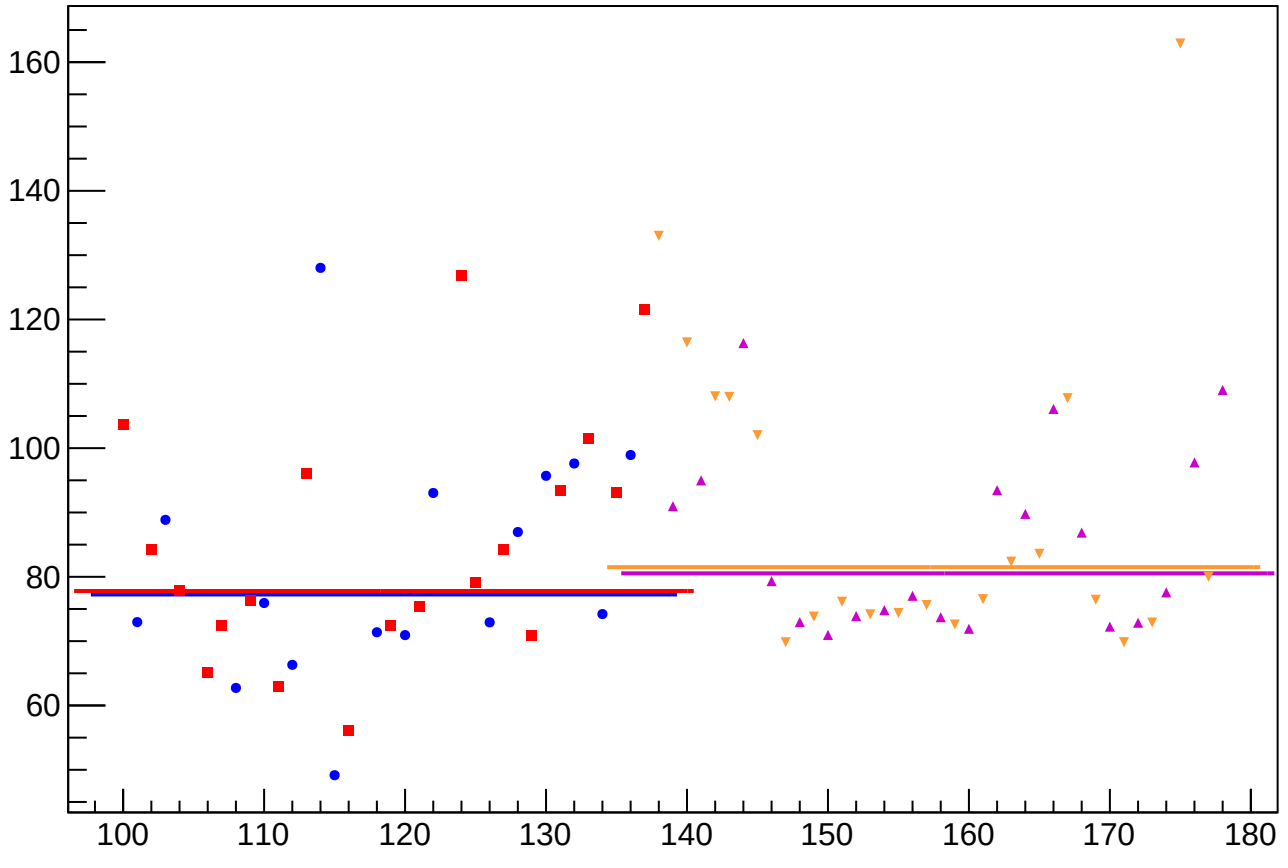
Left: -0.013+/-0.015 χ^2/NDF: 53.2/40

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.019+/-0.017 χ^2/NDF:48.1/35

Out: 0.004+/-0.017 χ^2/NDF:47.6/39

All: -0.007+/-0.012 χ^2/NDF: 96.6/75



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: 80.541+/-0.015 χ^2/NDF:599493.4/19

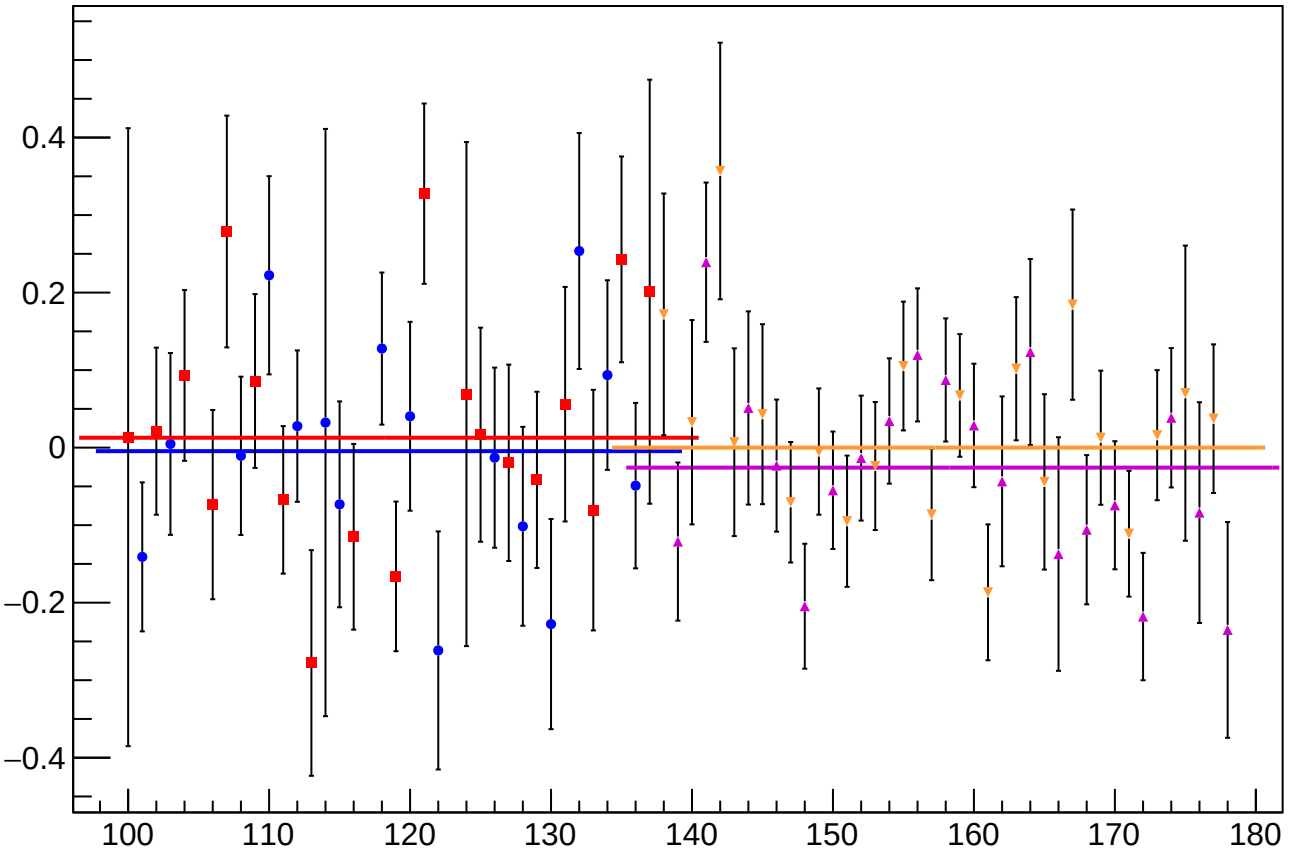
Left: 81.018+/-0.010 χ^2/NDF: 1840774.2/40

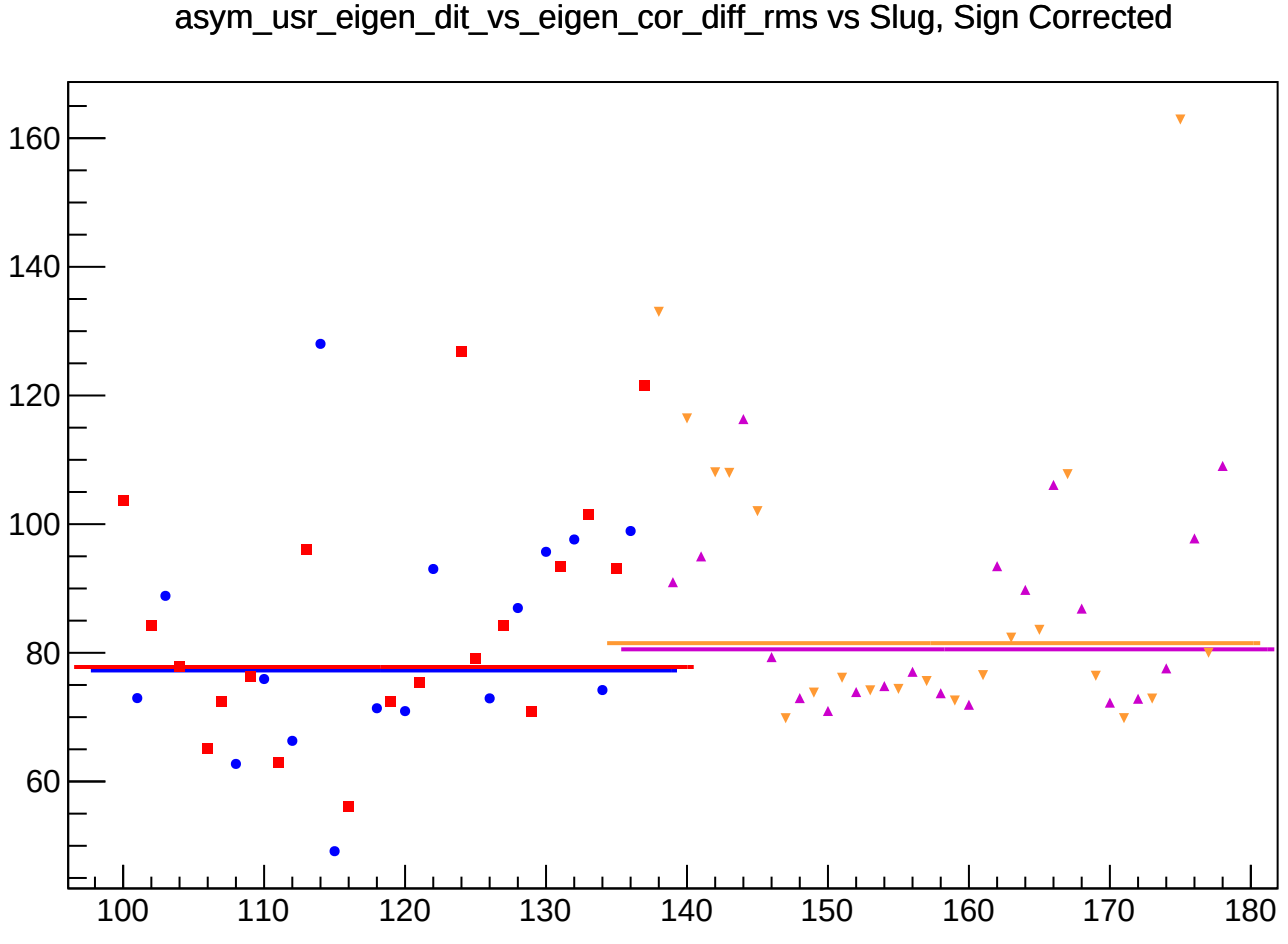
Right: 77.529+/-0.015 χ^2/NDF: 816074.1/34

In: 79.475+/-0.012 χ^2/NDF:1034901.0/35

Out: 80.271+/-0.012 χ^2/NDF:1656424.1/39

All: 79.873+/-0.009 χ^2/NDF: 2693489.5/75


asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
180
Right In: -0.005+/-0.030 χ²/NDF: 17.3/15
Left Out: 0.000+/-0.021 χ²/NDF:22.0/20
Right Out: 0.013+/-0.030 χ²/NDF: 25.5/18
Left In: -0.026+/-0.021 χ²/NDF:30.5/19
Left: -0.013+/-0.015 χ²/NDF: 53.2/40
Right: 0.004+/-0.021 χ²/NDF: 42.9/34
In: -0.019+/-0.017 χ²/NDF:48.1/35
Out: 0.004+/-0.017 χ²/NDF:47.6/39
All: -0.007+/-0.012 χ²/NDF: 96.6/75



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: 80.541+/-0.015 χ^2/NDF:599493.4/19

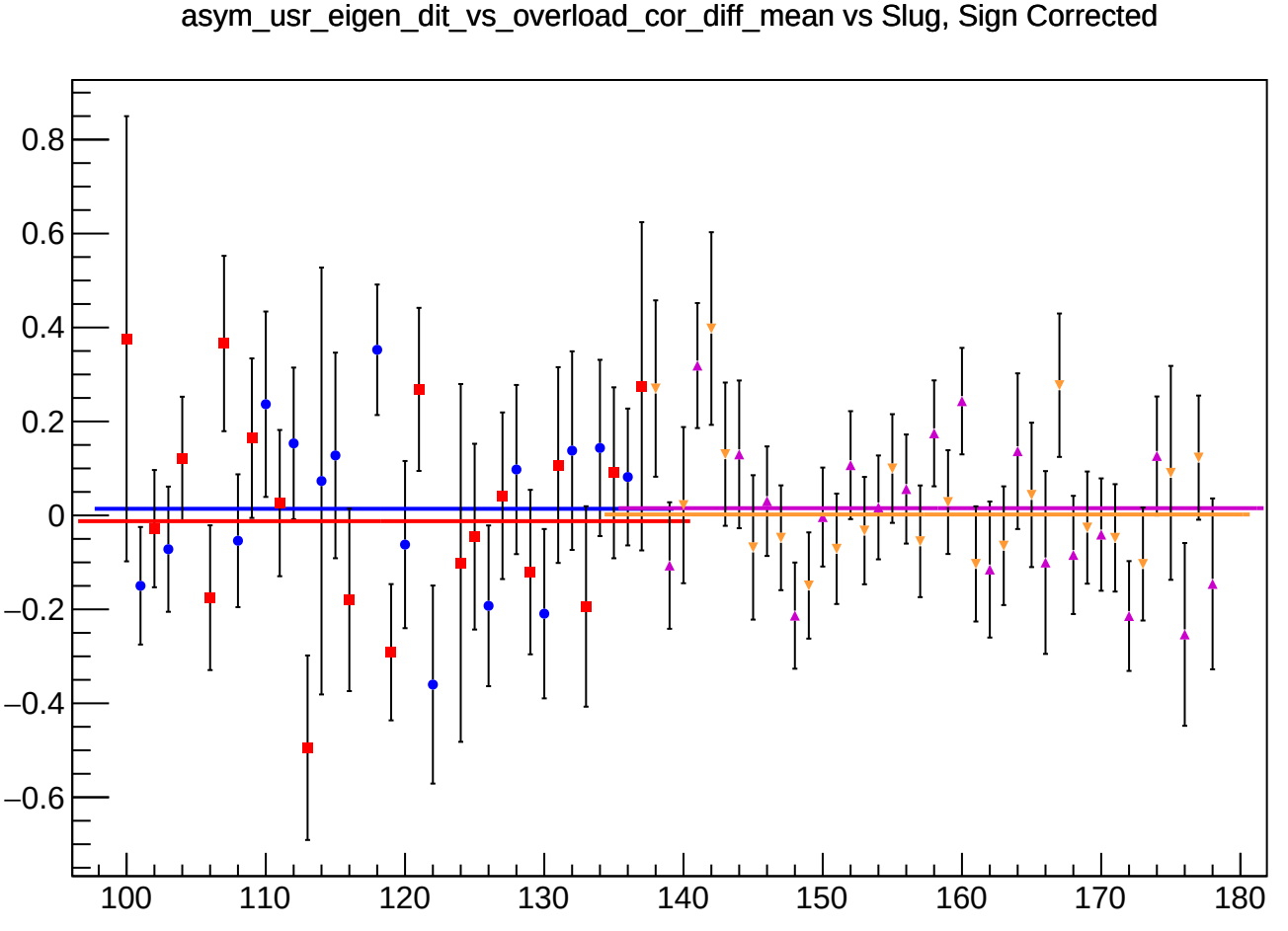
Left: 81.018+/-0.010 χ^2/NDF: 1840774.2/40

Right: 77.529+/-0.015 χ^2/NDF: 816074.1/34

In: 79.475+/-0.012 χ^2/NDF:1034901.0/35

Out: 80.271+/-0.012 χ^2/NDF:1656424.1/39

All: 79.873+/-0.009 χ^2/NDF: 2693489.5/75



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: 0.015+/-0.029 χ^2/NDF:27.4/19

Left: 0.009+/-0.020 χ^2/NDF: 44.0/40

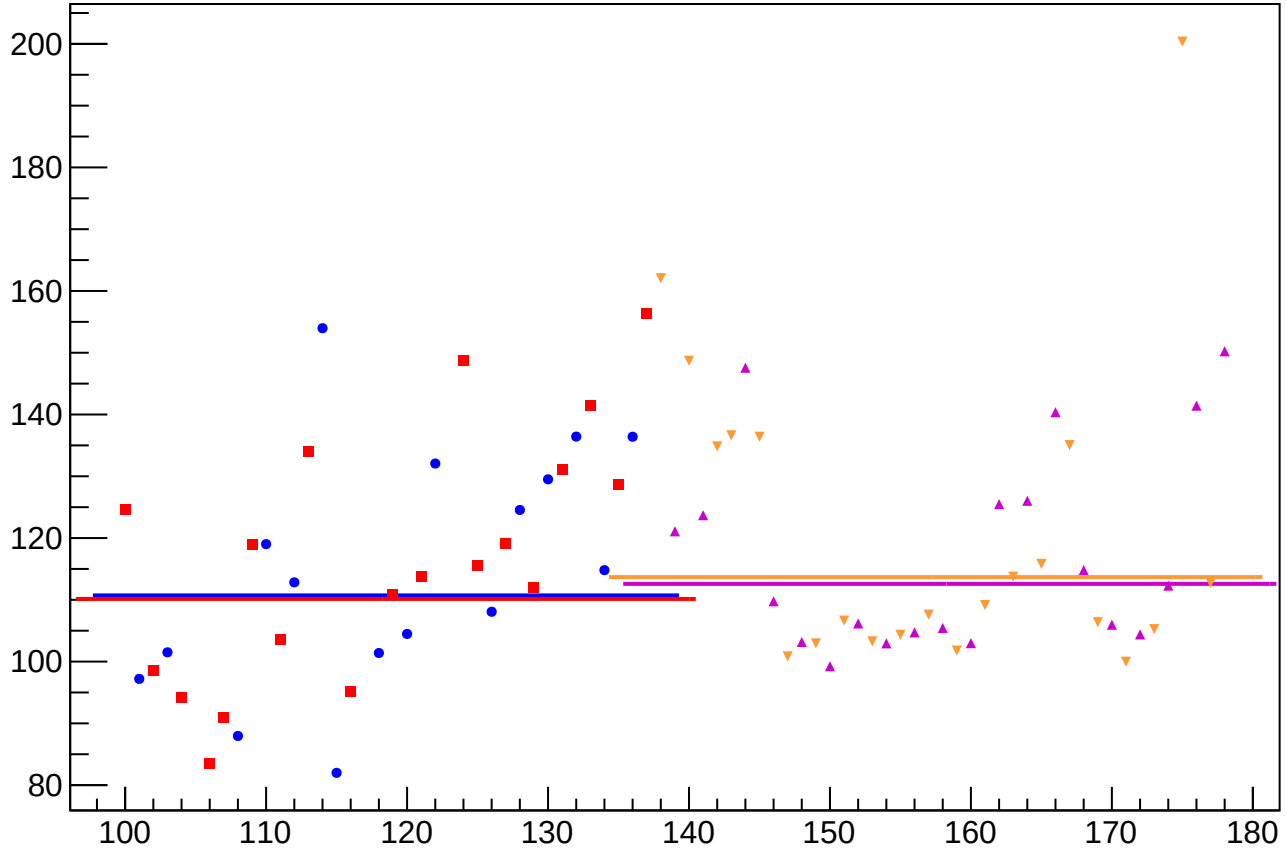
Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.015+/-0.024 χ^2/NDF:45.6/35

Out: -0.003+/-0.024 χ^2/NDF:40.3/39

All: 0.006+/-0.017 χ^2/NDF: 86.2/75

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: 112.587+/-0.020 χ^2/NDF:437138.4/19

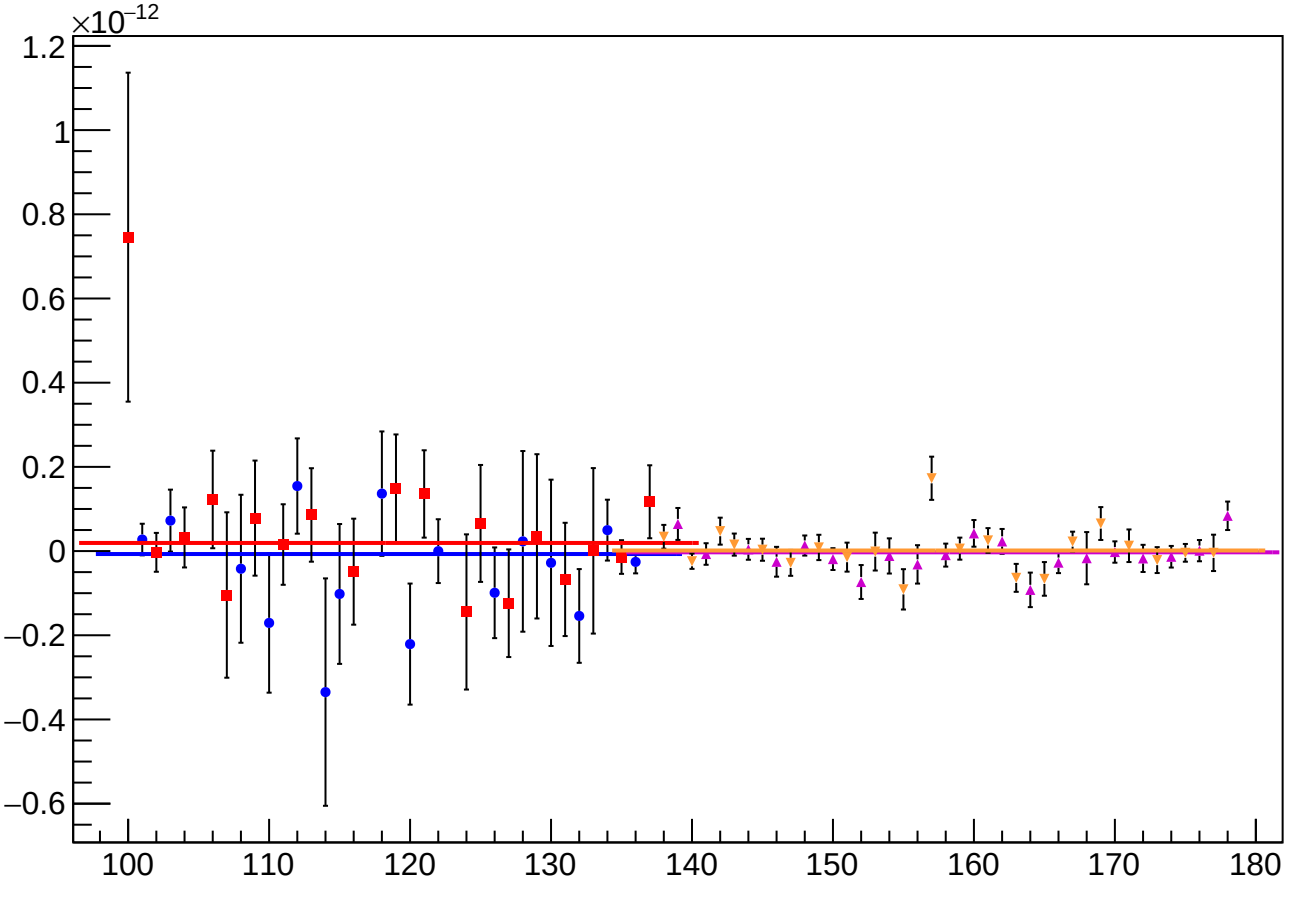
Left: 113.130+/-0.014 χ^2/NDF: 1258563.6/40

Right: 110.422+/-0.021 χ^2/NDF: 626830.6/34

In: 111.997+/-0.017 χ^2/NDF:739777.7/35

Out: 112.527+/-0.017 χ^2/NDF:1156540.0/39

All: 112.264+/-0.012 χ^2/NDF: 1896819.6/75



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:23.6/19

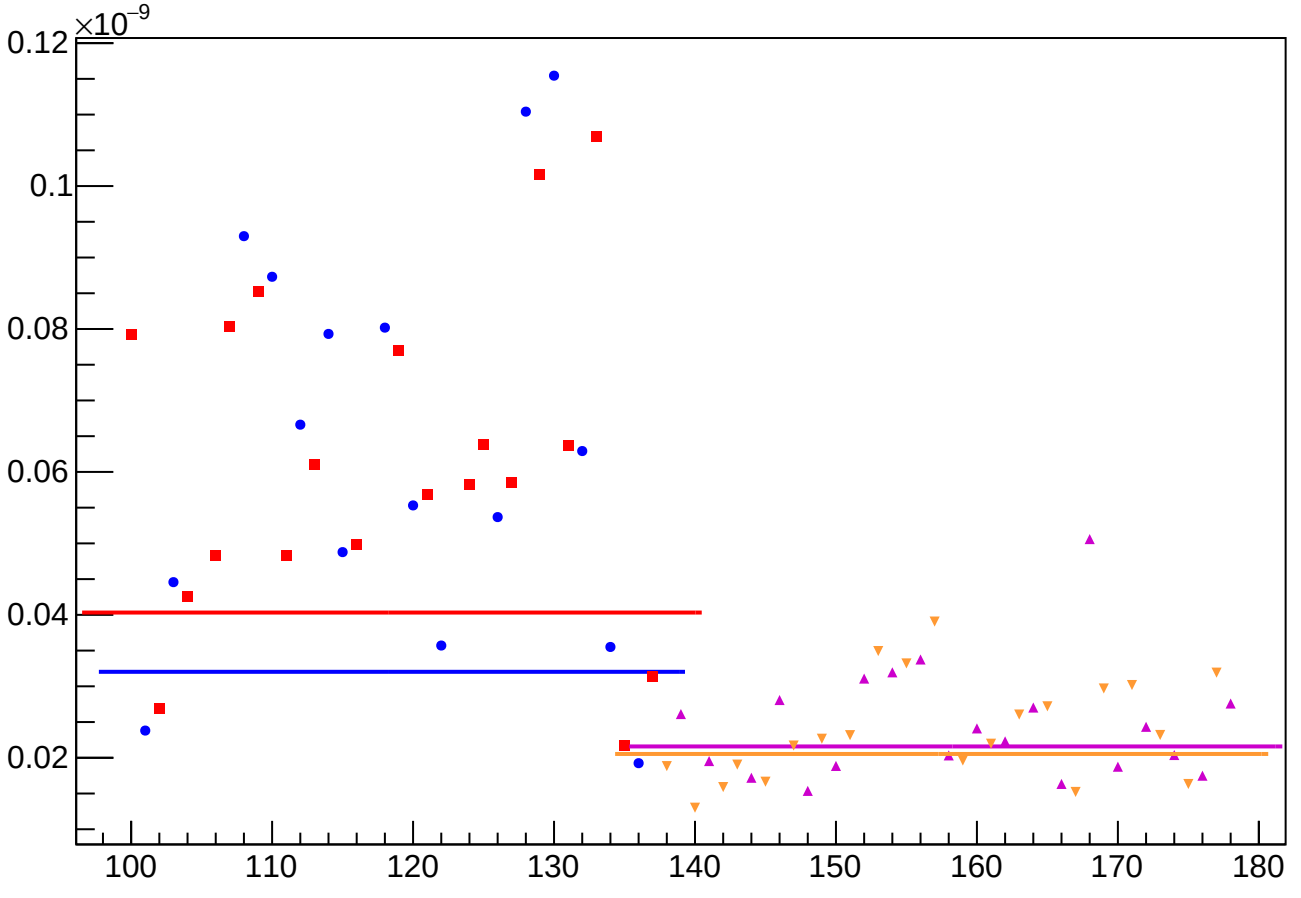
Left: -0.000+/-0.000 χ^2/NDF: 57.1/40

Right: 0.000+/-0.000 χ^2/NDF: 27.1/34

In: -0.000+/-0.000 χ^2/NDF:37.2/35

Out: 0.000+/-0.000 χ^2/NDF:46.6/39

All: -0.000+/-0.000 χ^2/NDF: 84.3/75



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:1444277.0/19

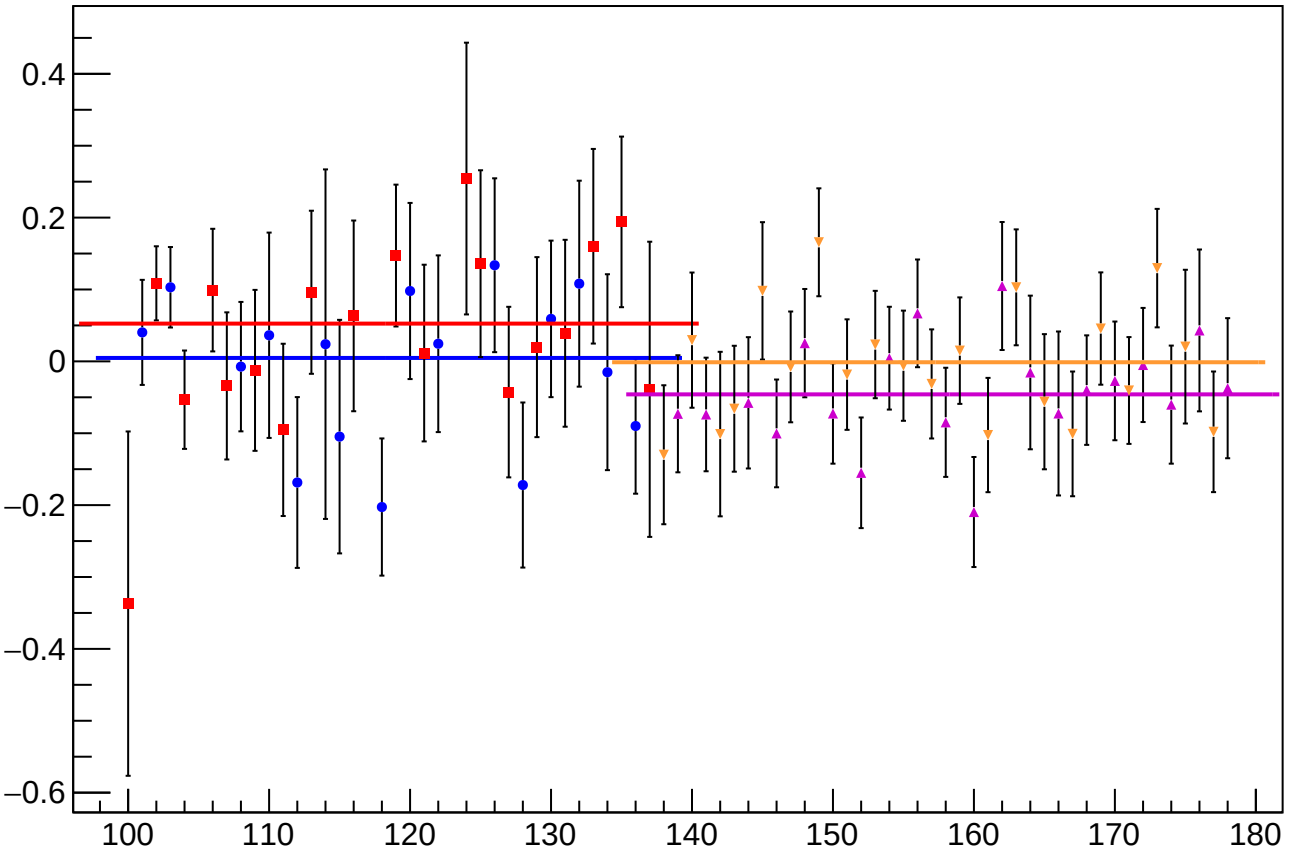
Left: 0.000+/-0.000 χ^2/NDF: 3230319.9/40

Right: 0.000+/-0.000 χ^2/NDF: 4504924.2/34

In: 0.000+/-0.000 χ^2/NDF:4498602.6/35

Out: 0.000+/-0.000 χ^2/NDF:5230732.6/39

All: 0.000+/-0.000 χ^2/NDF: 9739584.6/75



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+/-0.018 χ^2/NDF:15.4/19

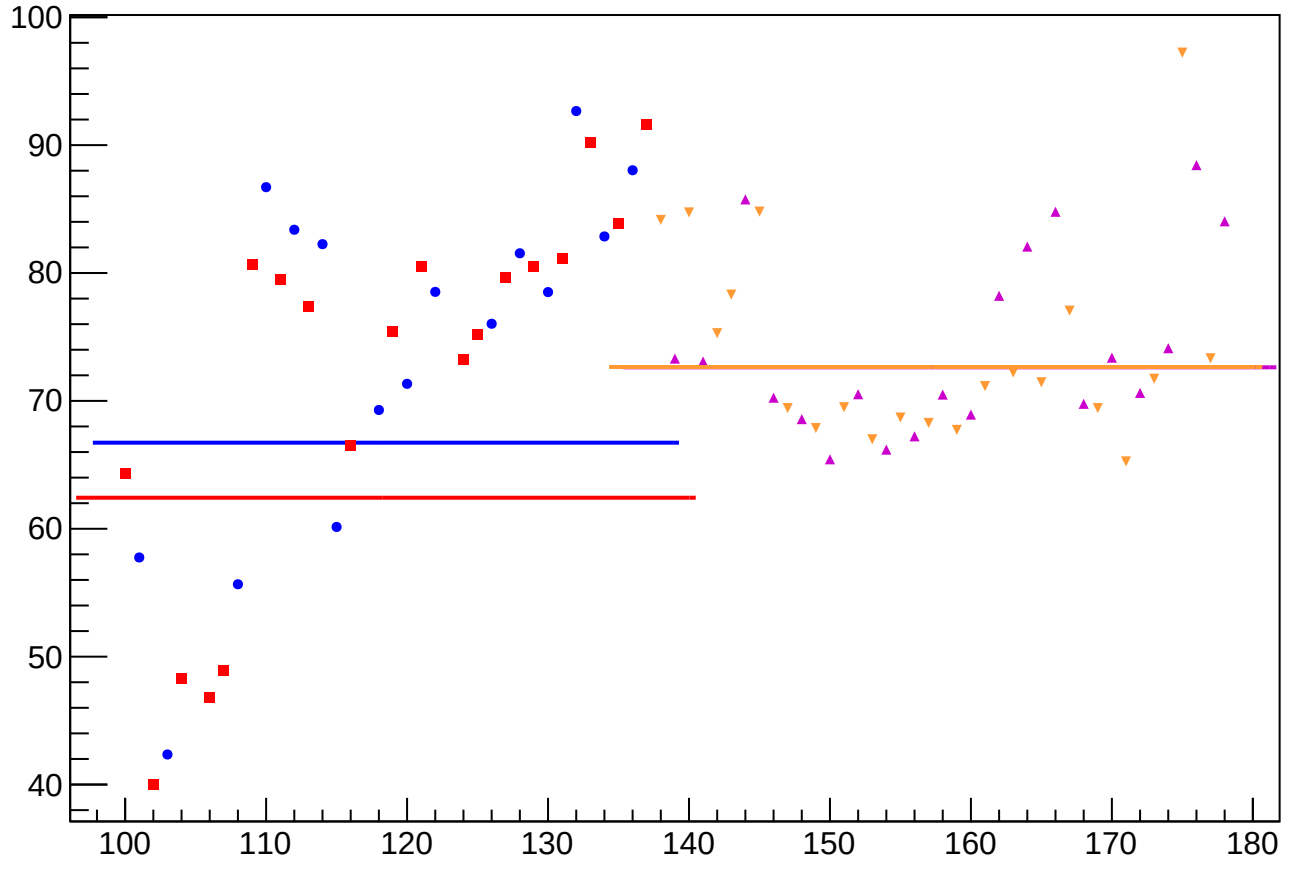
Left: -0.023+/-0.013 χ^2/NDF: 37.5/40

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.029+/-0.015 χ^2/NDF:34.6/35

Out: 0.018+/-0.014 χ^2/NDF:37.1/39

All: -0.005+/-0.010 χ^2/NDF: 76.8/75



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: 72.626+/-0.013 χ^2/NDF:222918.2/19

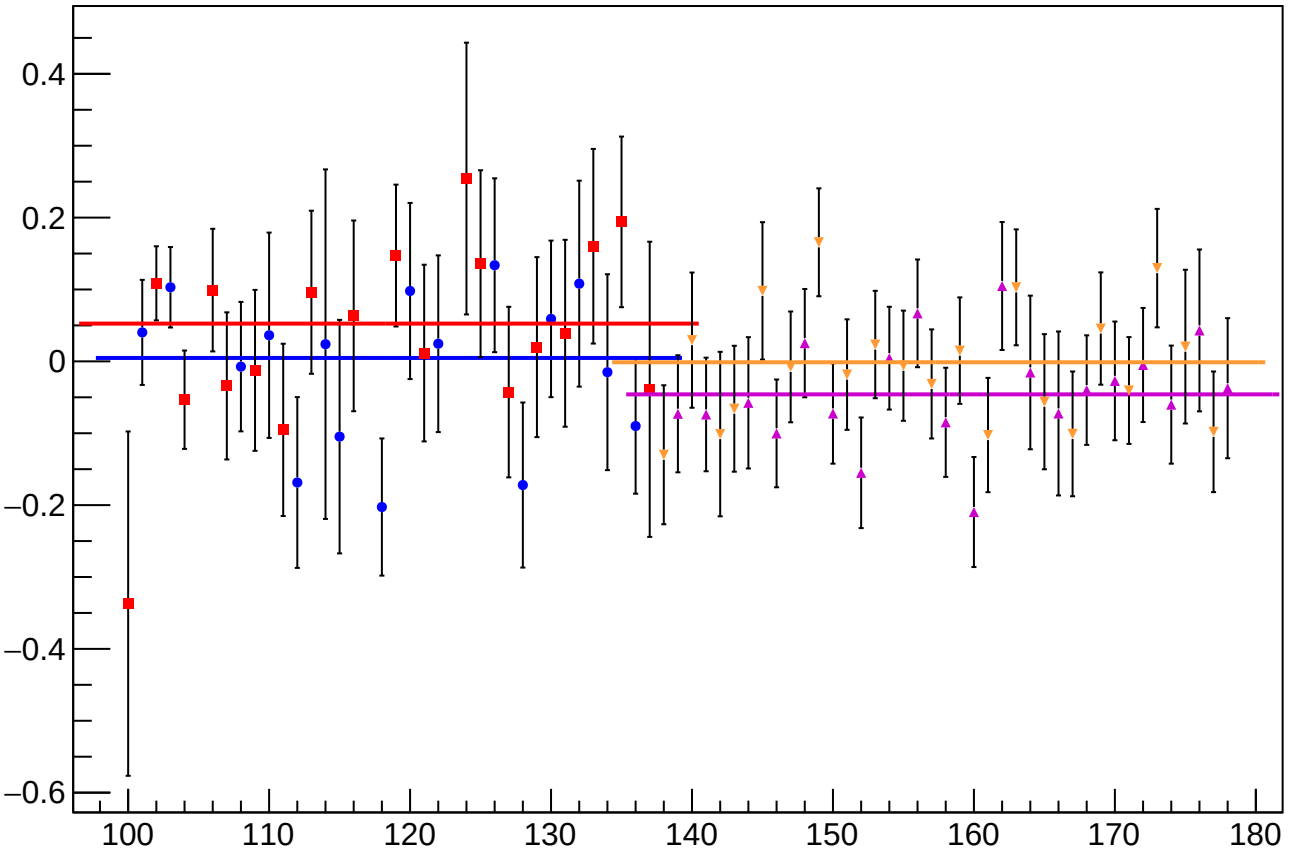
Left: 72.638+/-0.009 χ^2/NDF: 508553.5/40

Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 70.659+/-0.011 χ^2/NDF:1108685.4/35

Out: 68.949+/-0.010 χ^2/NDF:1629393.3/39

All: 69.777+/-0.007 χ^2/NDF: 2751567.4/75



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+/-0.018 χ^2/NDF:15.4/19

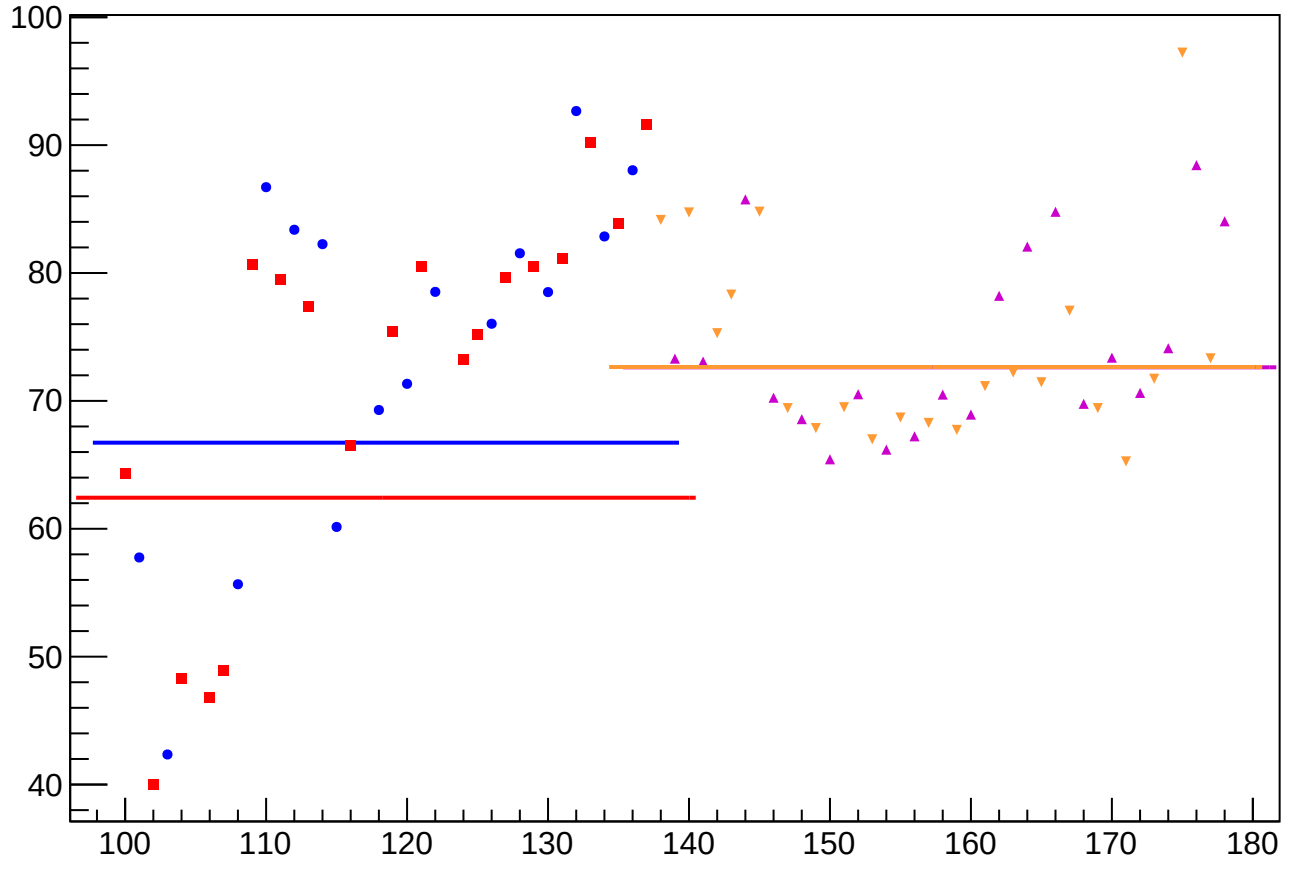
Left: -0.023+/-0.013 χ^2/NDF: 37.5/40

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.029+/-0.015 χ^2/NDF:34.6/35

Out: 0.018+/-0.014 χ^2/NDF:37.1/39

All: -0.005+/-0.010 χ^2/NDF: 76.8/75



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: 72.626+/-0.013 χ^2/NDF:222918.2/19

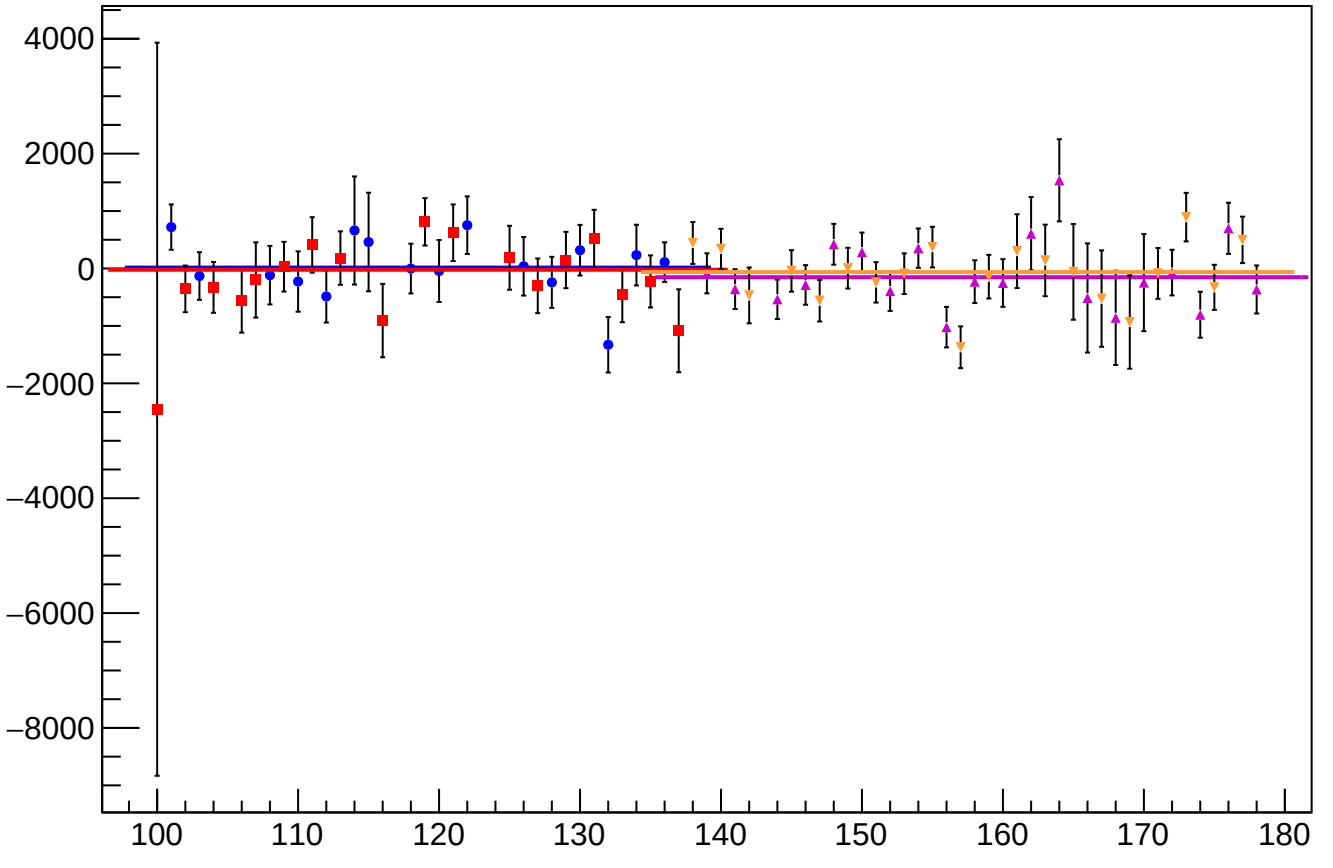
Left: 72.638+/-0.009 χ^2/NDF: 508553.5/40

Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 70.659+/-0.011 χ^2/NDF:1108685.4/35

Out: 68.949+/-0.010 χ^2/NDF:1629393.3/39

All: 69.777+/-0.007 χ^2/NDF: 2751567.4/75



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: -151.830+/-91.438 χ^2/NDF:29.4/19

Left: -107.834+/-65.367 χ^2/NDF: 59.9/39

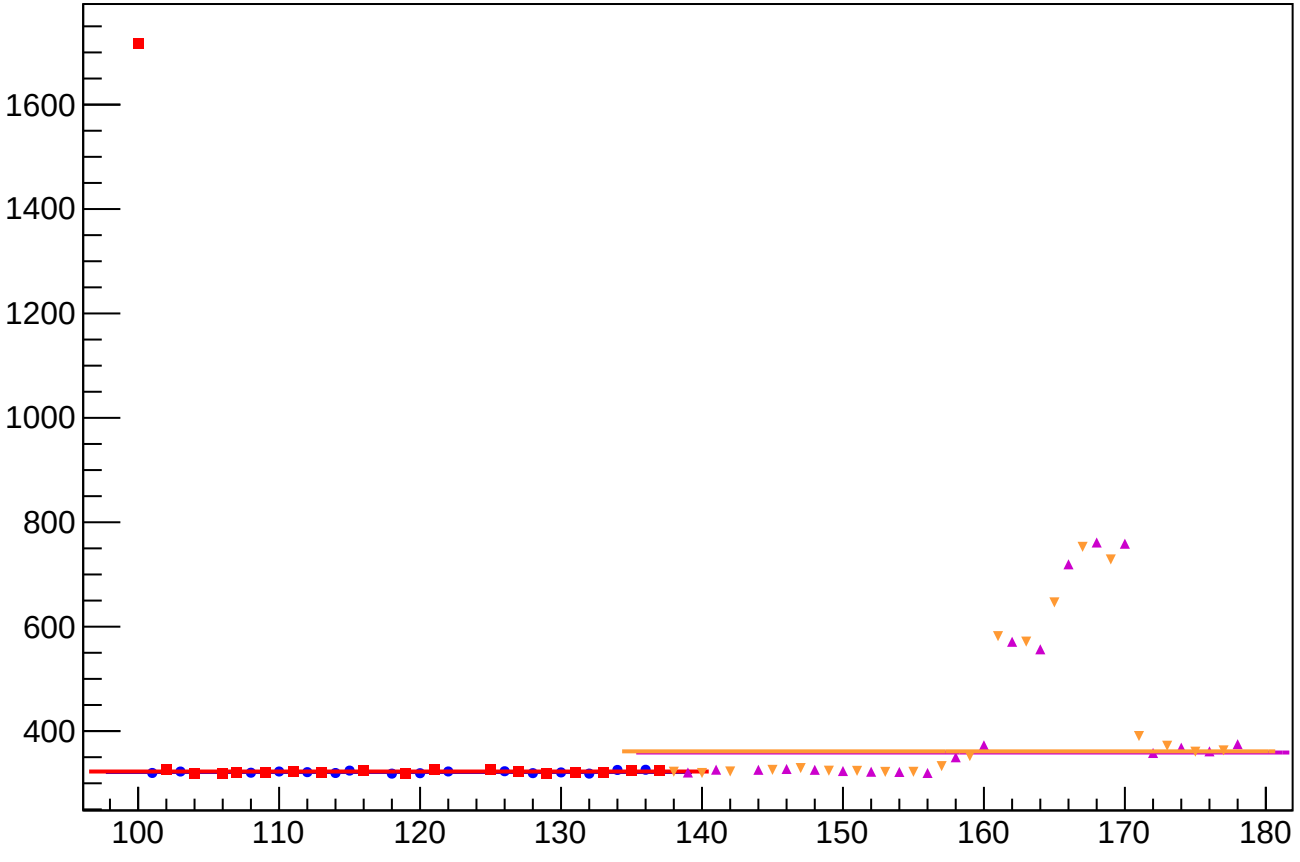
Right: -3.348+/-84.373 χ^2/NDF: 32.6/33

In: -89.987+/-72.603 χ^2/NDF:47.2/35

Out: -46.732+/-73.561 χ^2/NDF:46.1/37

All: -68.643+/-51.673 χ^2/NDF: 93.5/73

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: 358.935+/-0.065 χ^2/NDF:1785007.3/19

Left: 360.031+/-0.046 χ^2/NDF: 3544549.6/39

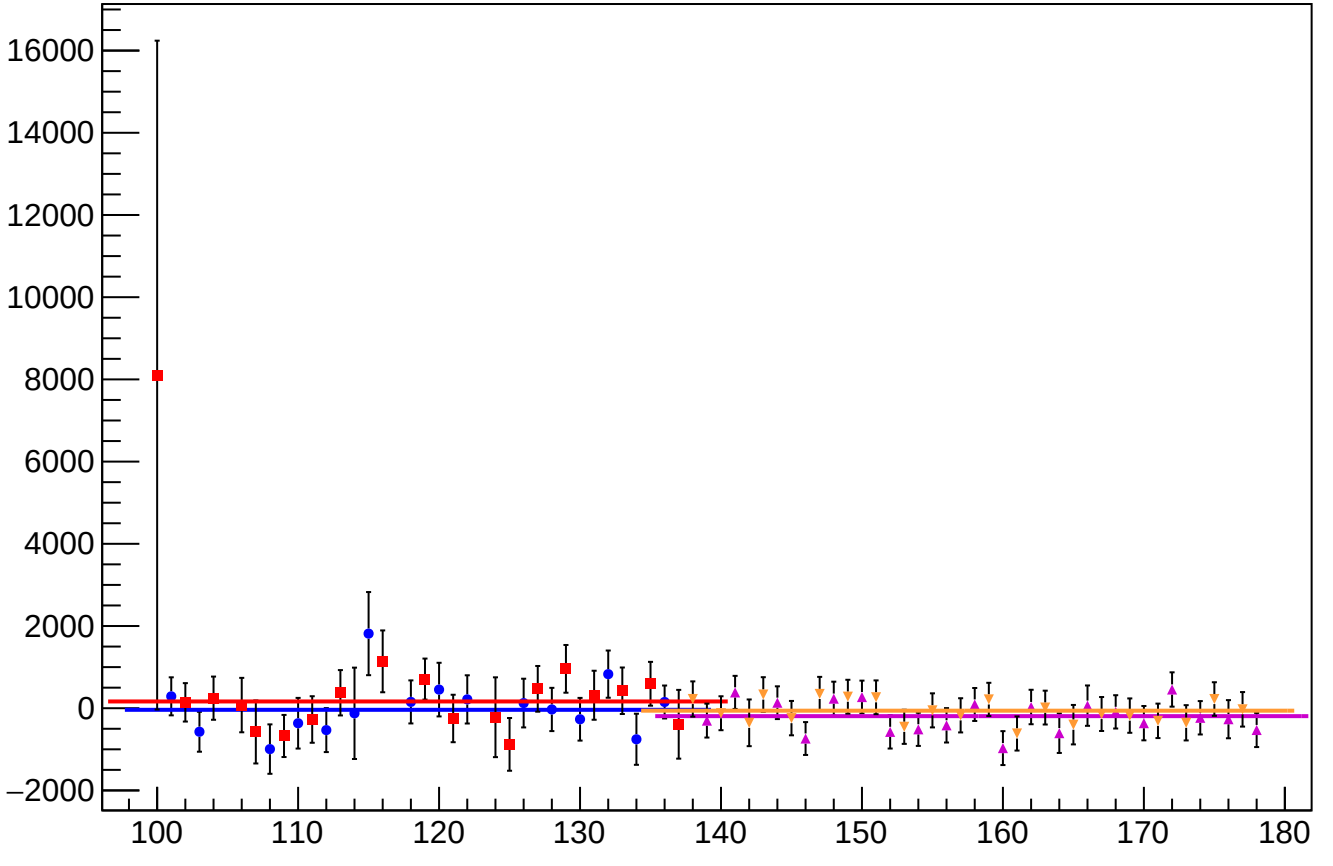
Right: 322.079+/-0.060 χ^2/NDF: 97778.0/33

In: 345.139+/-0.051 χ^2/NDF:1909021.8/35

Out: 346.470+/-0.052 χ^2/NDF:1985851.4/37

All: 345.796+/-0.037 χ^2/NDF: 3895204.7/73

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: -192.817+/-93.270 χ^2/NDF:17.6/19

Left: -125.655+/-65.618 χ^2/NDF: 27.8/40

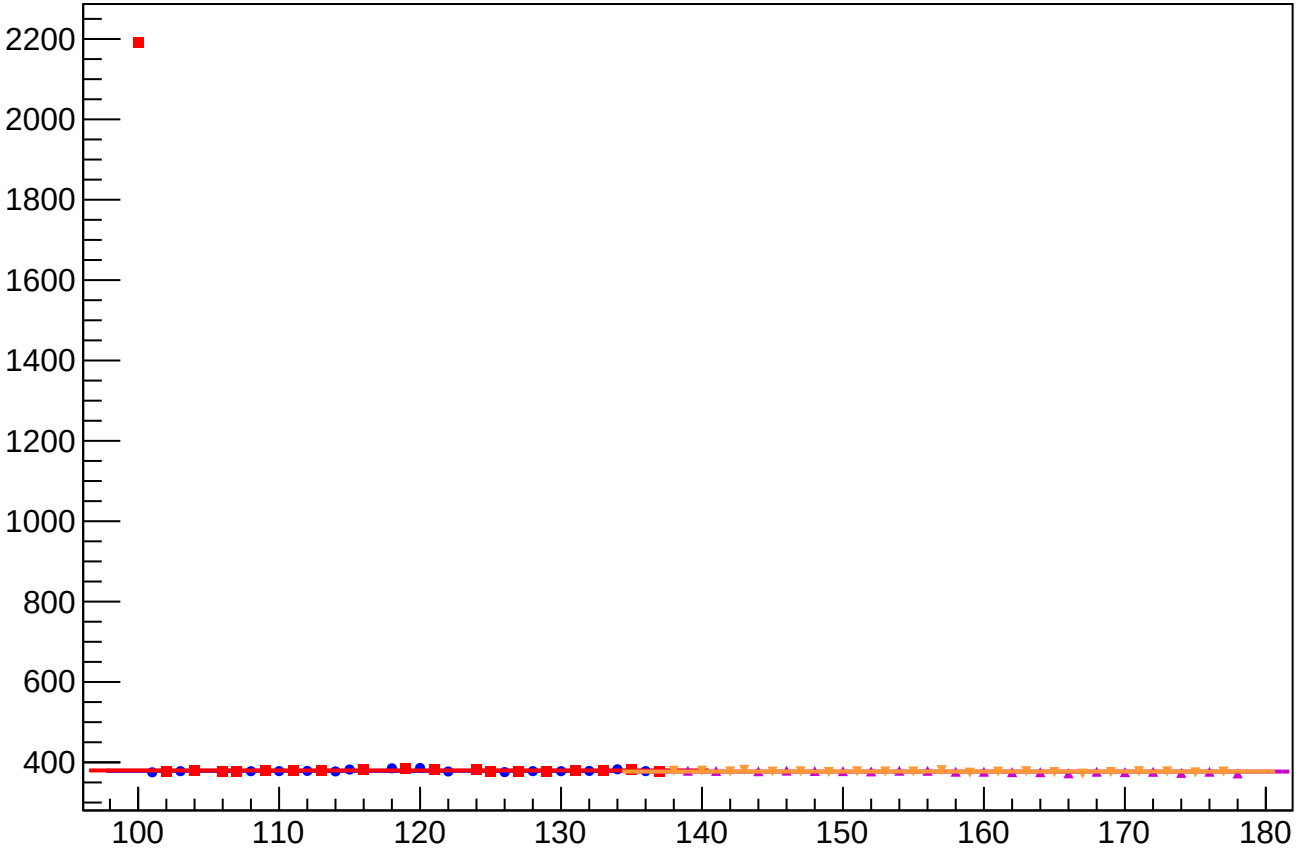
Right: 64.141+/-98.877 χ^2/NDF: 29.9/34

In: -145.842+/-77.743 χ^2/NDF:32.1/35

Out: 8.913+/-76.904 χ^2/NDF:26.2/39

All: -67.624+/-54.674 χ^2/NDF: 60.3/75

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: 377.069+/-0.066 χ^2/NDF:916.1/19

Left: 377.086+/-0.046 χ^2/NDF: 1857.3/40

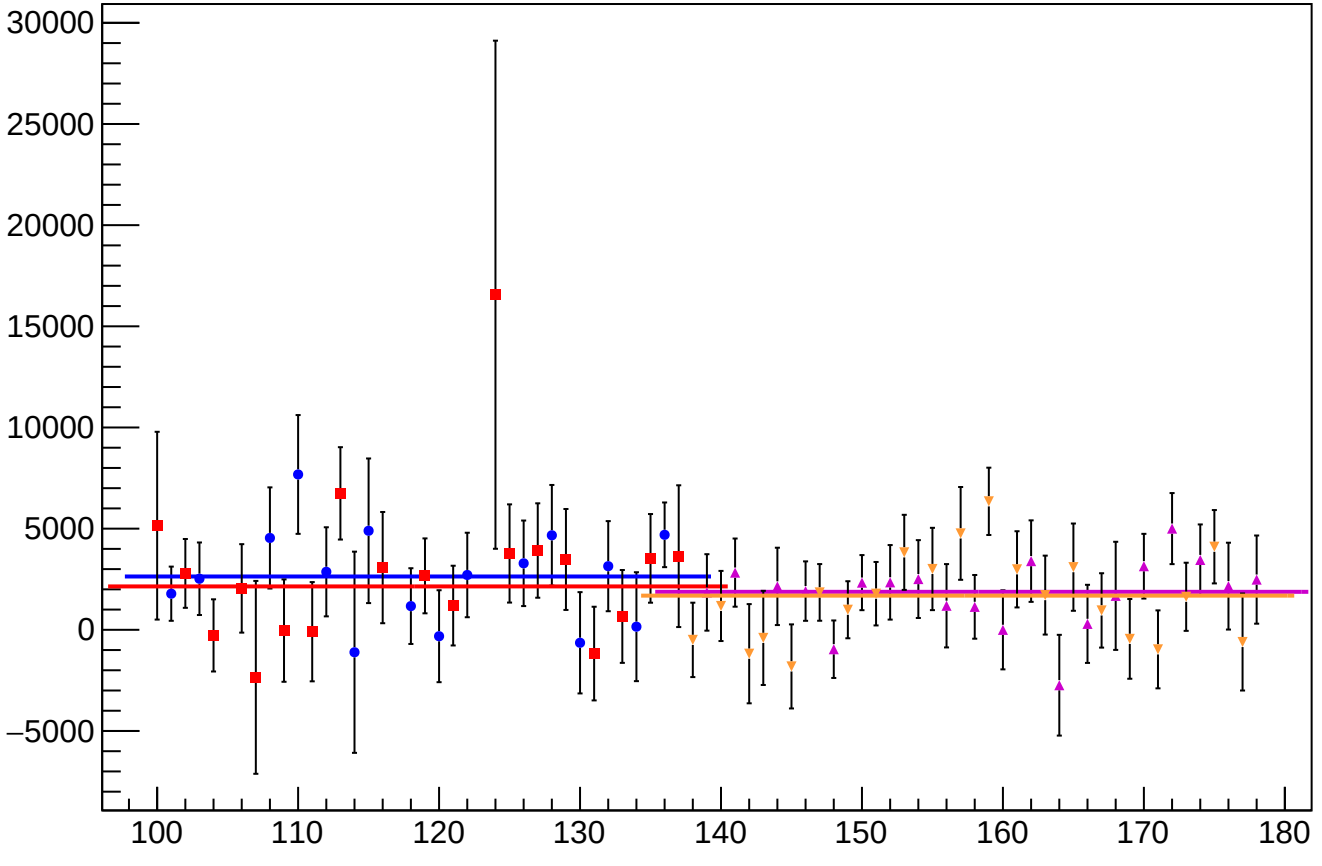
Right: 379.400+/-0.070 χ^2/NDF: 100520.6/34

In: 377.631+/-0.055 χ^2/NDF:2005.1/35

Out: 377.953+/-0.054 χ^2/NDF:101115.8/39

All: 377.794+/-0.039 χ^2/NDF: 103138.2/75

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: 1877.120+/-403.104 χ^2/NDF:15.2/19

Left: 1783.148+/-285.337 χ^2/NDF: 40.4/40

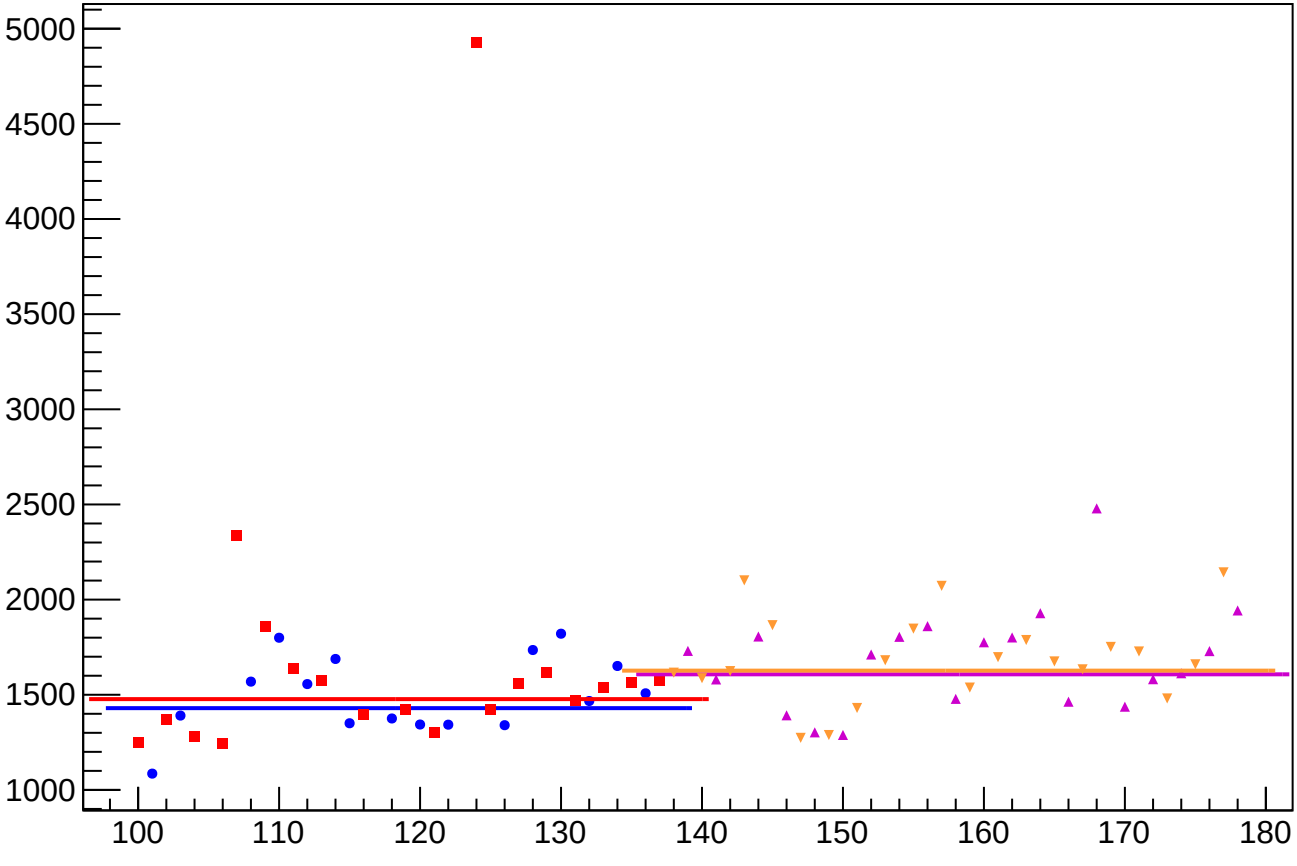
Right: 2394.022+/-383.566 χ^2/NDF: 27.7/34

In: 2149.735+/-322.605 χ^2/NDF:28.8/35

Out: 1849.642+/-324.941 χ^2/NDF:40.5/39

All: 2000.771+/-228.937 χ^2/NDF: 69.7/75

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: 1607.394+/-0.285 χ^2/NDF:713829.1/19

Left: 1617.081+/-0.202 χ^2/NDF: 1346447.3/40

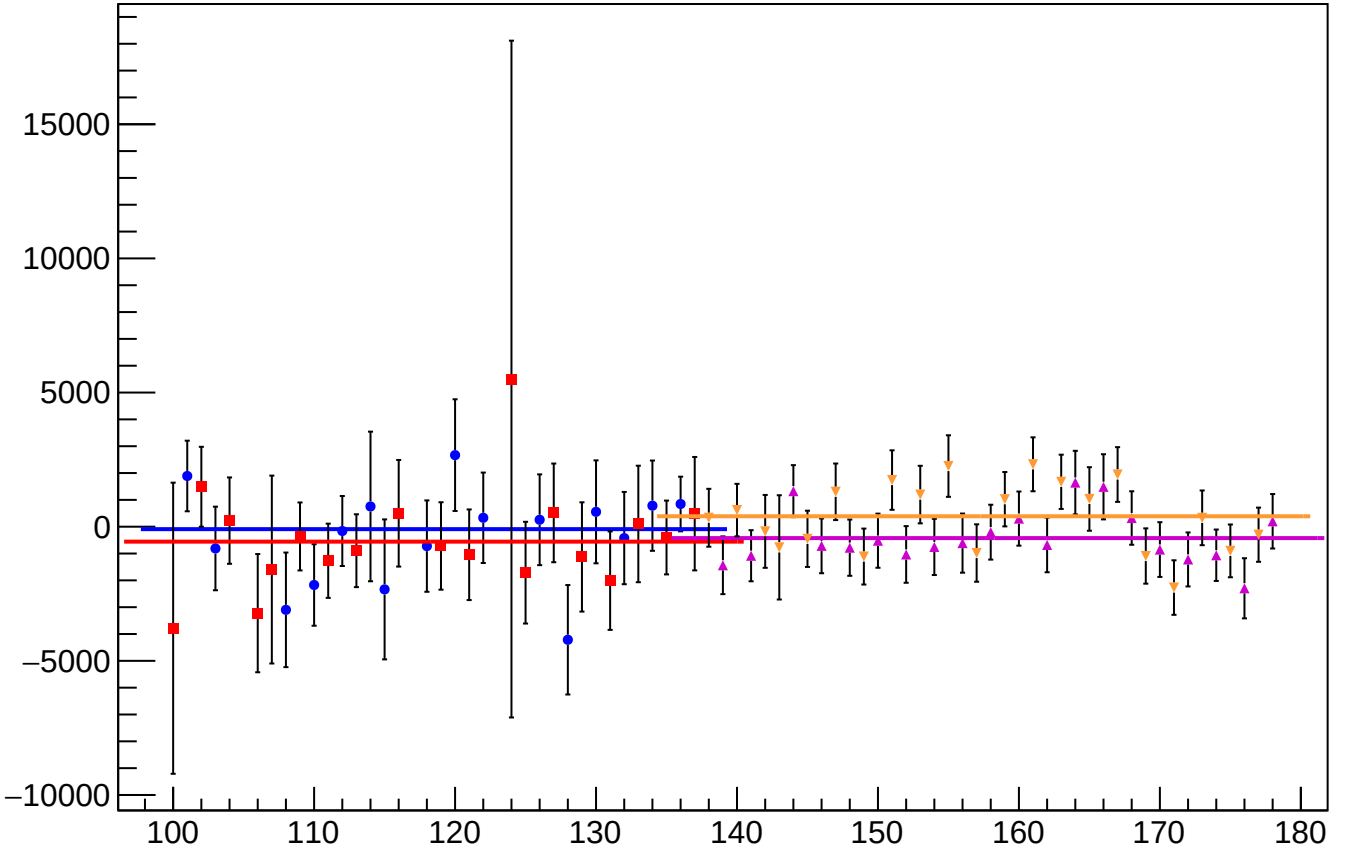
Right: 1452.999+/-0.271 χ^2/NDF: 670475.8/34

In: 1543.493+/-0.228 χ^2/NDF:1147010.9/35

Out: 1573.981+/-0.230 χ^2/NDF:1096652.2/39

All: 1558.627+/-0.162 χ^2/NDF: 2252529.8/75

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: -424.958+/-231.742 χ^2/NDF:16.4/19

Left: -21.961+/-164.659 χ^2/NDF: 52.4/40

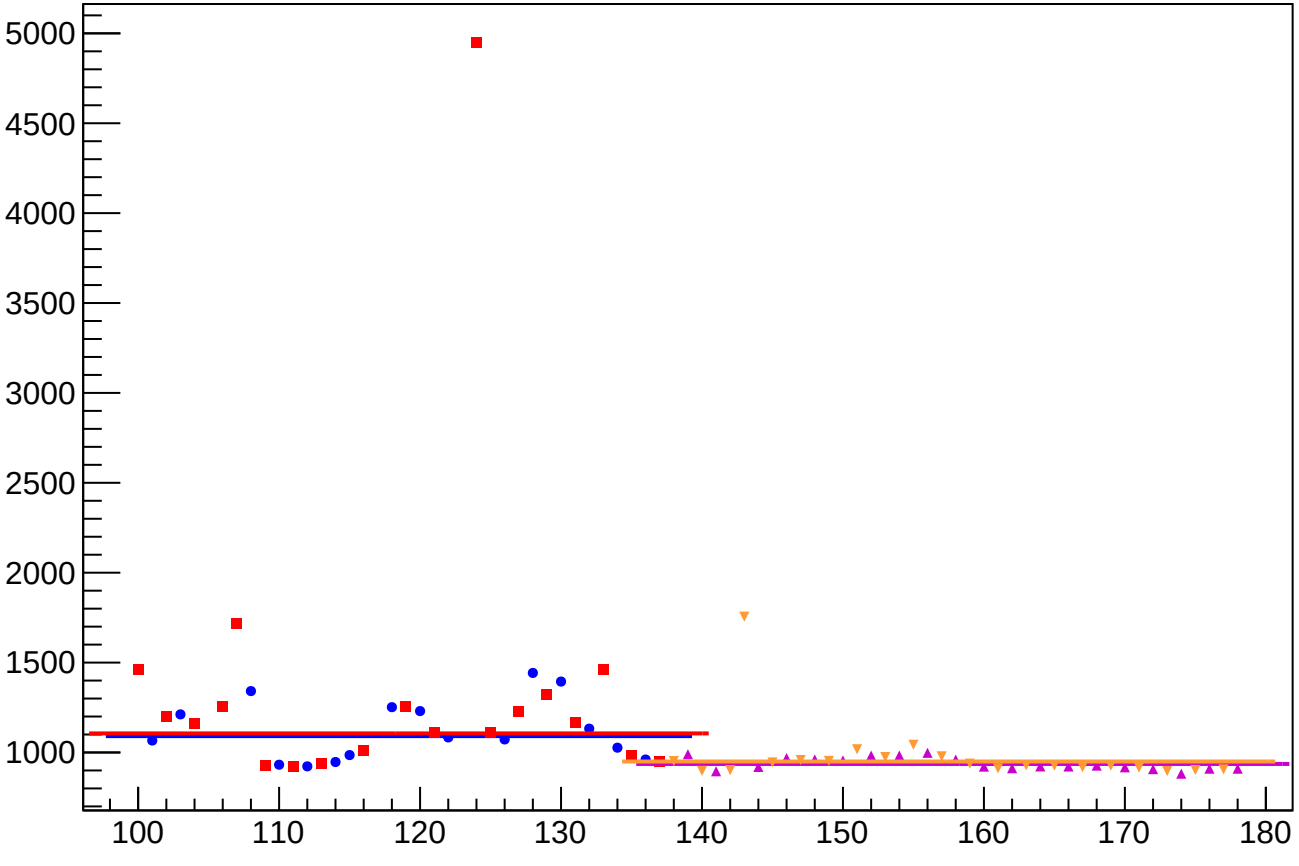
Right: -323.285+/-290.373 χ^2/NDF: 21.9/34

In: -344.159+/-201.740 χ^2/NDF:31.5/35

Out: 157.698+/-203.393 χ^2/NDF:40.6/39

All: -95.278+/-143.233 χ^2/NDF: 75.1/75

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: 936.161+/-0.164 χ^2/NDF:41935.2/19

Left: 942.897+/-0.116 χ^2/NDF: 444495.5/40

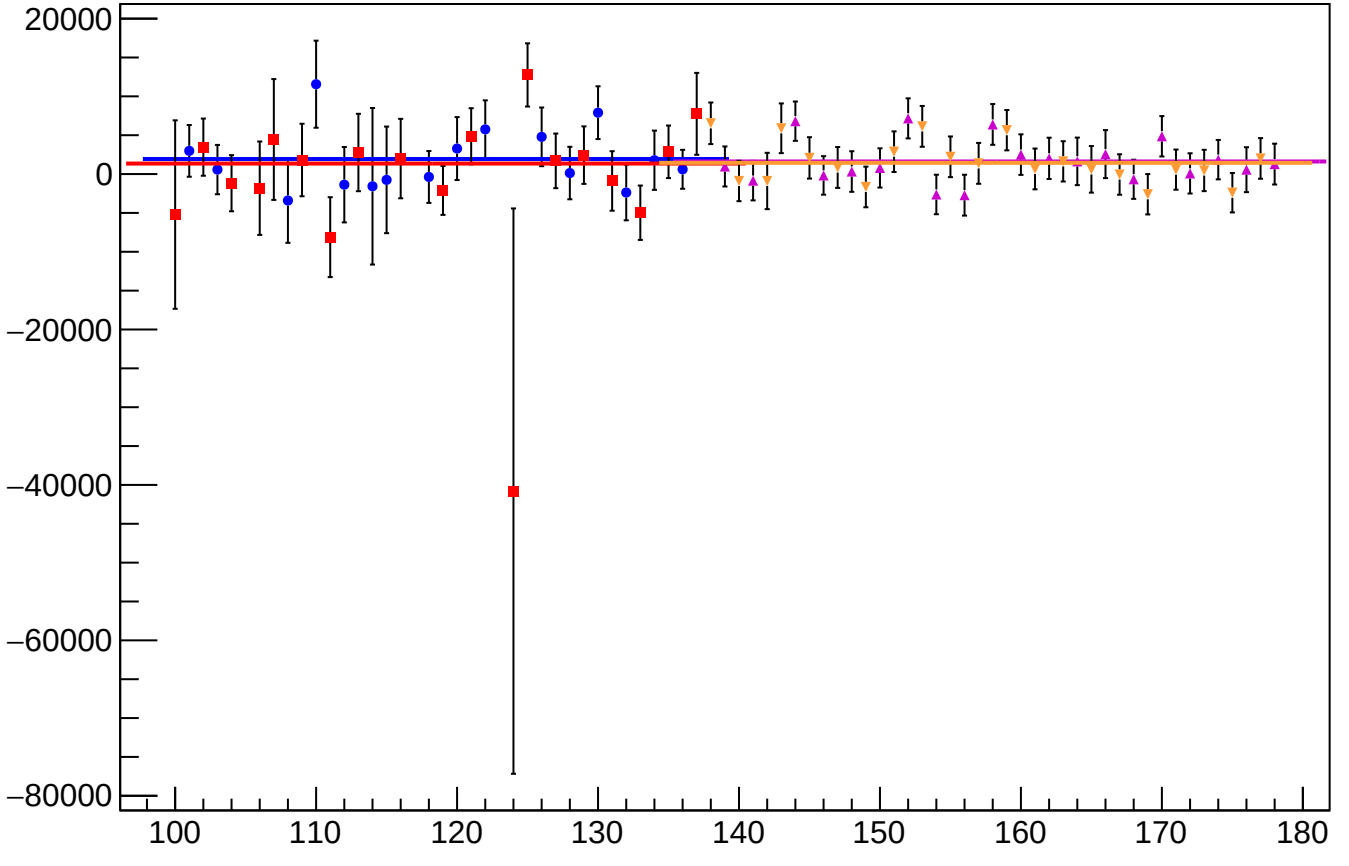
Right: 1098.518+/-0.205 χ^2/NDF: 792737.9/34

In: 973.667+/-0.143 χ^2/NDF:535572.0/35

Out: 987.973+/-0.144 χ^2/NDF:1131355.6/39

All: 980.762+/-0.101 χ^2/NDF: 1671915.2/75

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: 1620.700+/-587.428 χ^2/NDF:22.6/19

Left: 1533.634+/-414.687 χ^2/NDF: 42.7/40

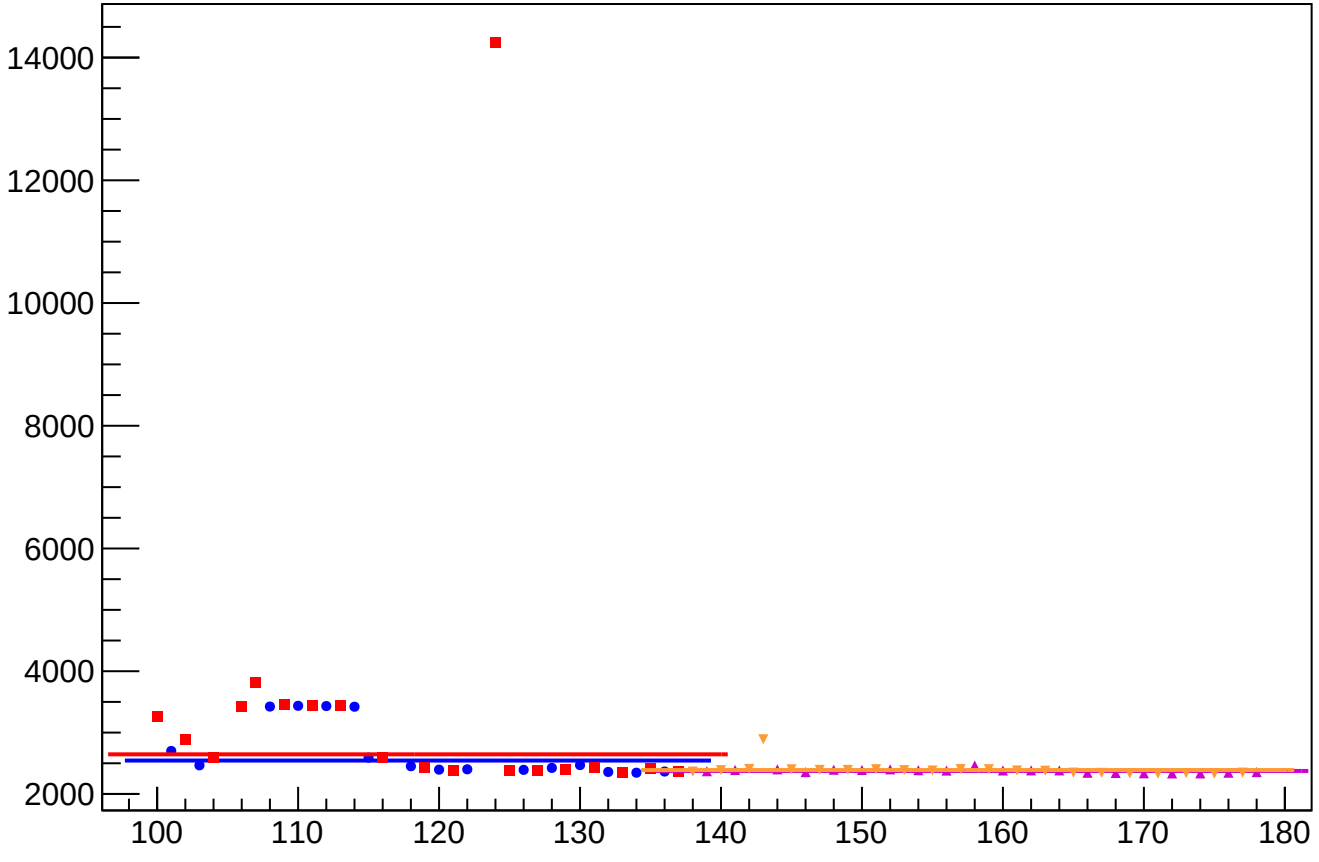
Right: 1656.397+/-684.775 χ^2/NDF: 34.2/34

In: 1708.581+/-499.995 χ^2/NDF:35.0/35

Out: 1422.680+/-503.307 χ^2/NDF:41.8/39

All: 1566.575+/-354.715 χ^2/NDF: 76.9/75

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: 2374.801+/-0.415 χ^2/NDF:5466.0/19

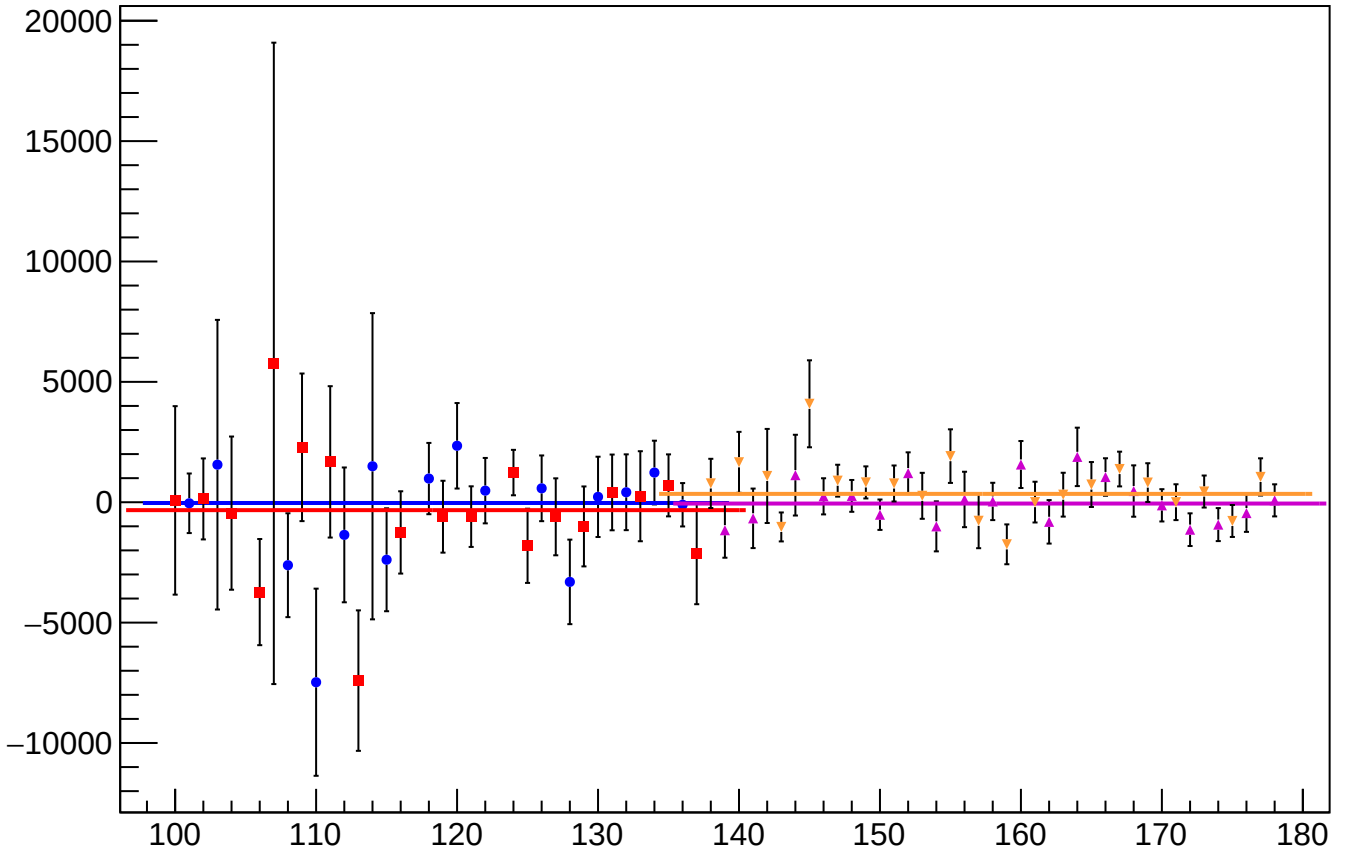
Left: 2382.148+/-0.293 χ^2/NDF: 60851.1/40

Right: 2593.330+/-0.484 χ^2/NDF: 773493.8/34

In: 2421.535+/-0.354 χ^2/NDF:277022.5/35

Out: 2456.322+/-0.356 χ^2/NDF:691690.3/39

All: 2438.813+/-0.251 χ^2/NDF: 973521.4/75



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: -54.464+/-185.923 χ^2/NDF:18.4/19

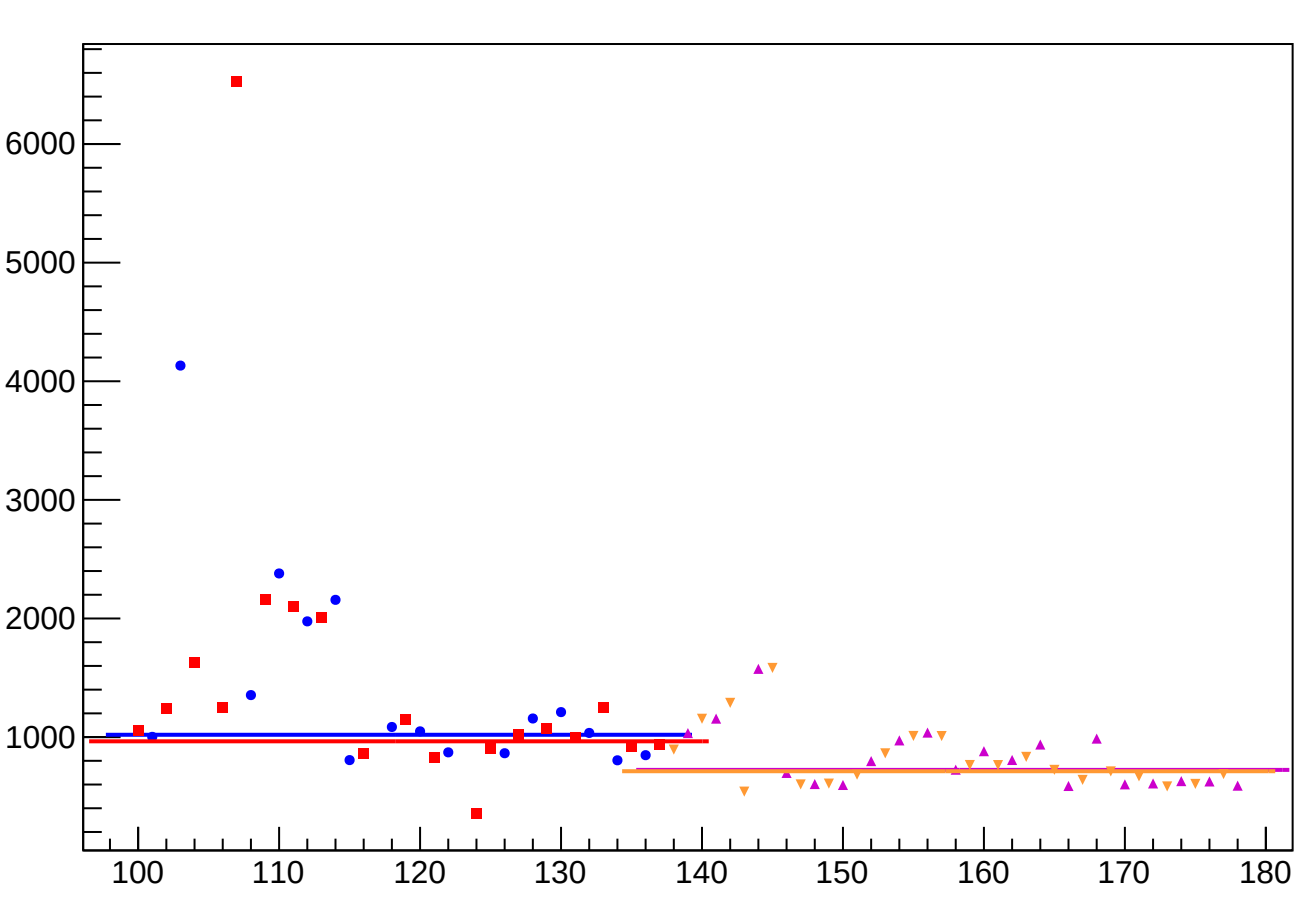
Left: 151.981+/-129.602 χ^2/NDF: 49.2/40

Right: -182.479+/-284.327 χ^2/NDF: 29.7/34

In: -50.425+/-169.021 χ^2/NDF:32.2/35

Out: 231.864+/-164.618 χ^2/NDF:46.5/39

All: 94.444+/-117.928 χ^2/NDF: 80.1/75



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: 723.482+/-0.131 χ^2/NDF:1920912.1/19

Left: 717.694+/-0.092 χ^2/NDF: 3679390.2/40

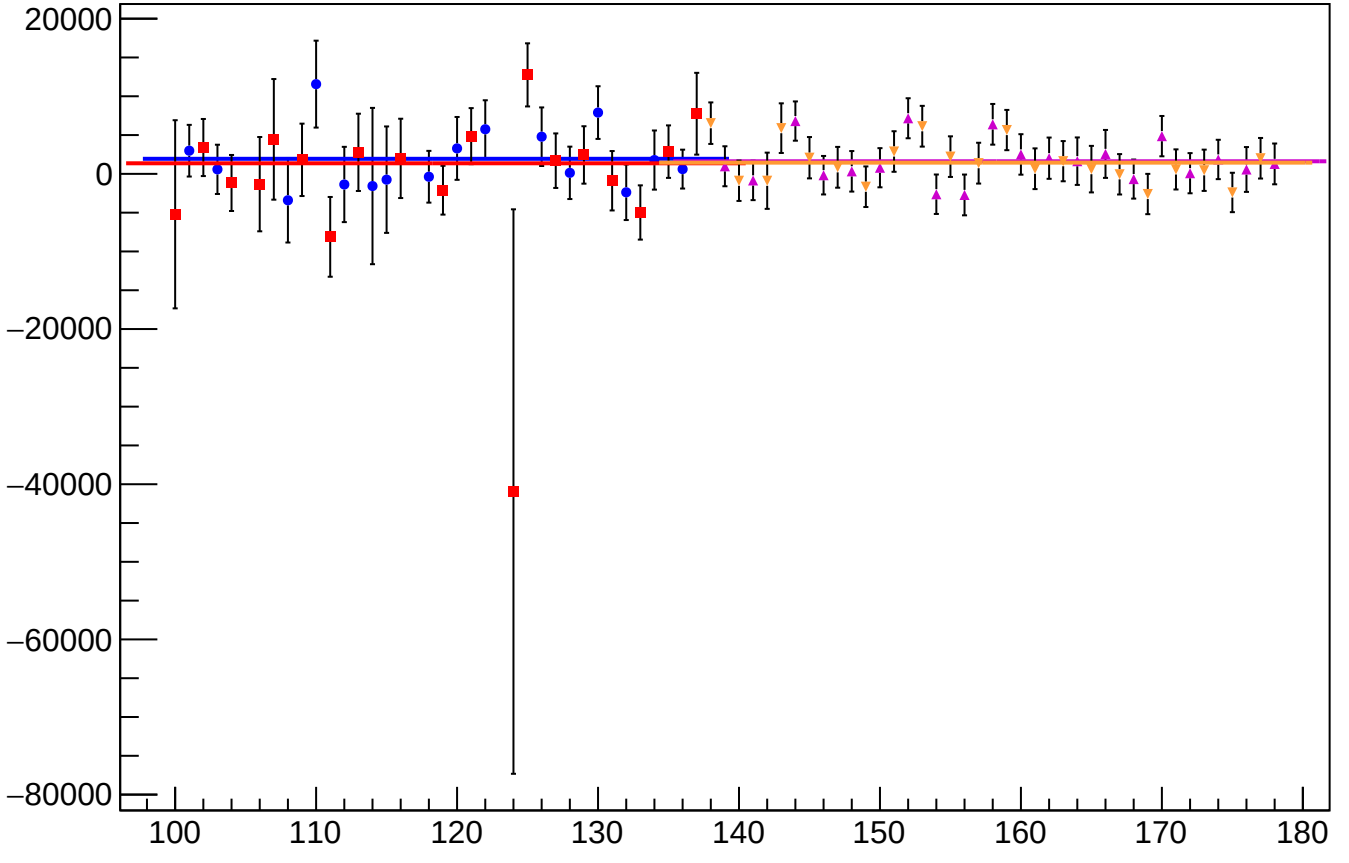
Right: 991.460+/-0.201 χ^2/NDF: 3692906.6/34

In: 774.859+/-0.120 χ^2/NDF:4165662.7/35

Out: 755.238+/-0.116 χ^2/NDF:4728014.5/39

All: 764.790+/-0.083 χ^2/NDF: 8907508.9/75

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: 1620.760+/-587.428 χ^2/NDF:22.6/19

Left: 1533.631+/-414.687 χ^2/NDF: 42.7/40

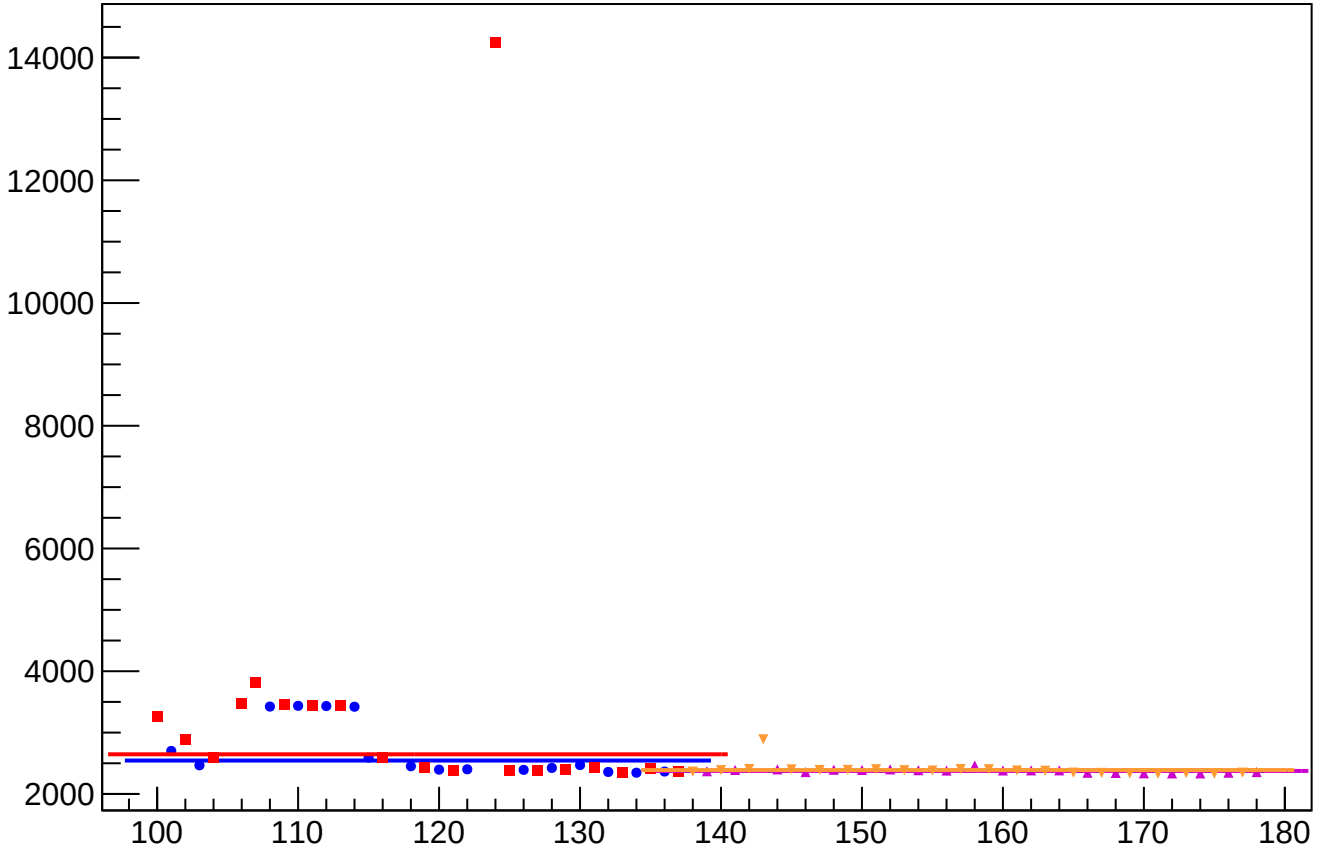
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1708.721+/-499.995 χ^2/NDF:35.0/35

Out: 1425.163+/-503.347 χ^2/NDF:41.7/39

All: 1567.890+/-354.729 χ^2/NDF: 76.8/75

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: 2374.801+/-0.415 χ^2/NDF:5466.0/19

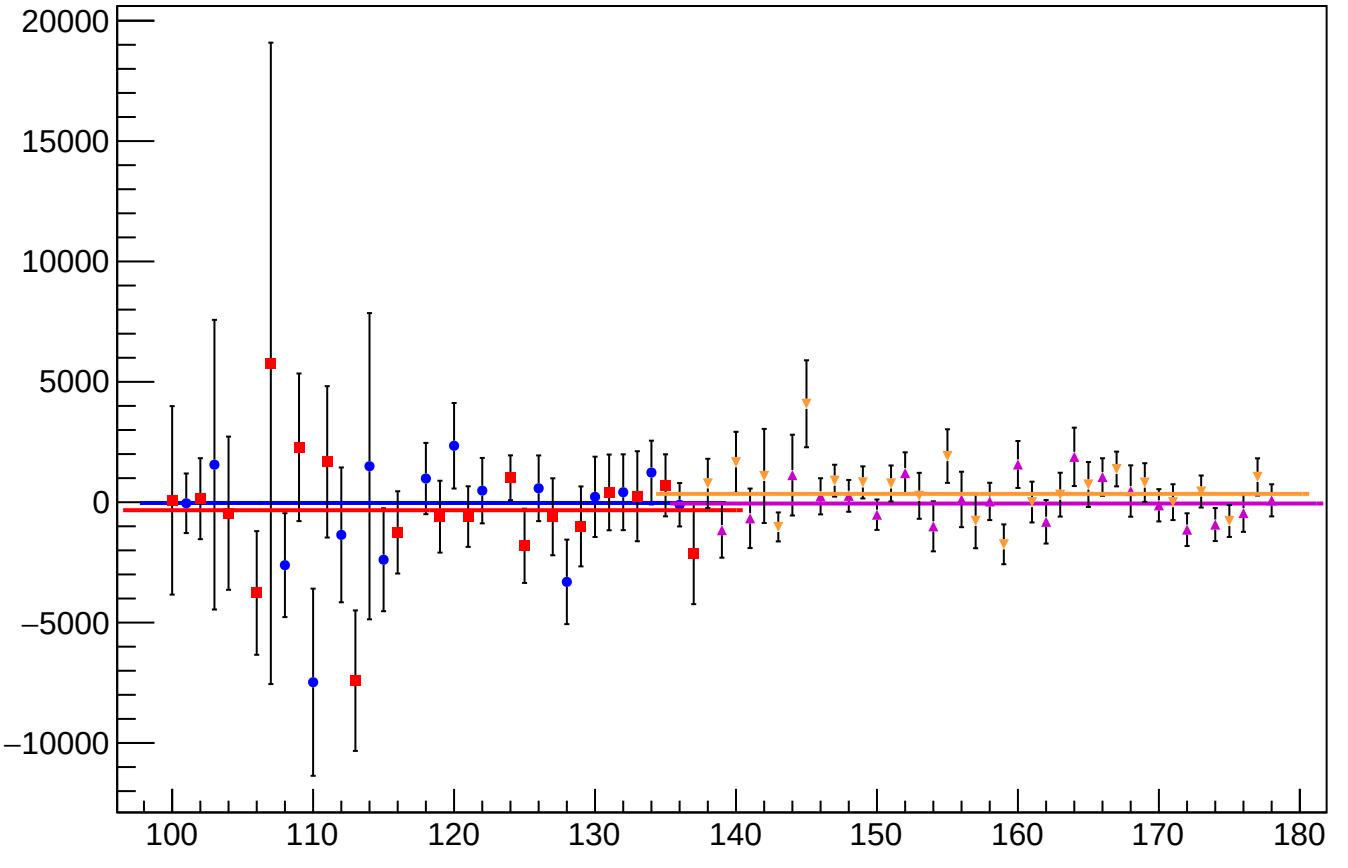
Left: 2382.148+/-0.293 χ^2/NDF: 60851.1/40

Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2421.535+/-0.354 χ^2/NDF:277022.5/35

Out: 2456.437+/-0.356 χ^2/NDF:694661.1/39

All: 2438.869+/-0.251 χ^2/NDF: 976523.7/75



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: -54.382+/-185.923 χ^2/NDF:18.4/19

Left: 151.998+/-129.602 χ^2/NDF: 49.2/40

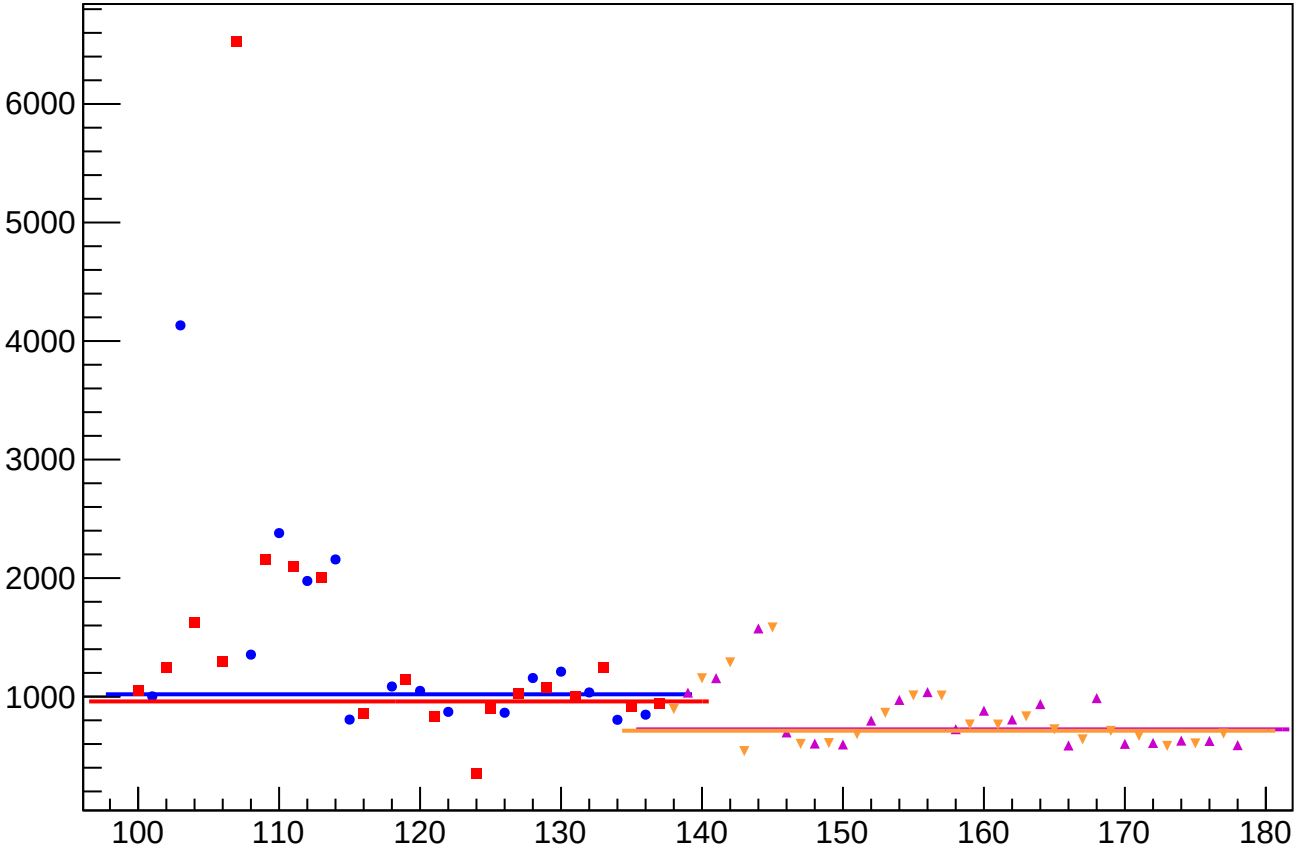
Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: -50.368+/-169.022 χ^2/NDF:32.2/35

Out: 231.600+/-164.672 χ^2/NDF:45.3/39

All: 94.290+/-117.949 χ^2/NDF: 78.8/75

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: 723.485+/-0.131 χ^2/NDF:1921025.4/19

Left: 717.697+/-0.092 χ^2/NDF: 3679588.0/40

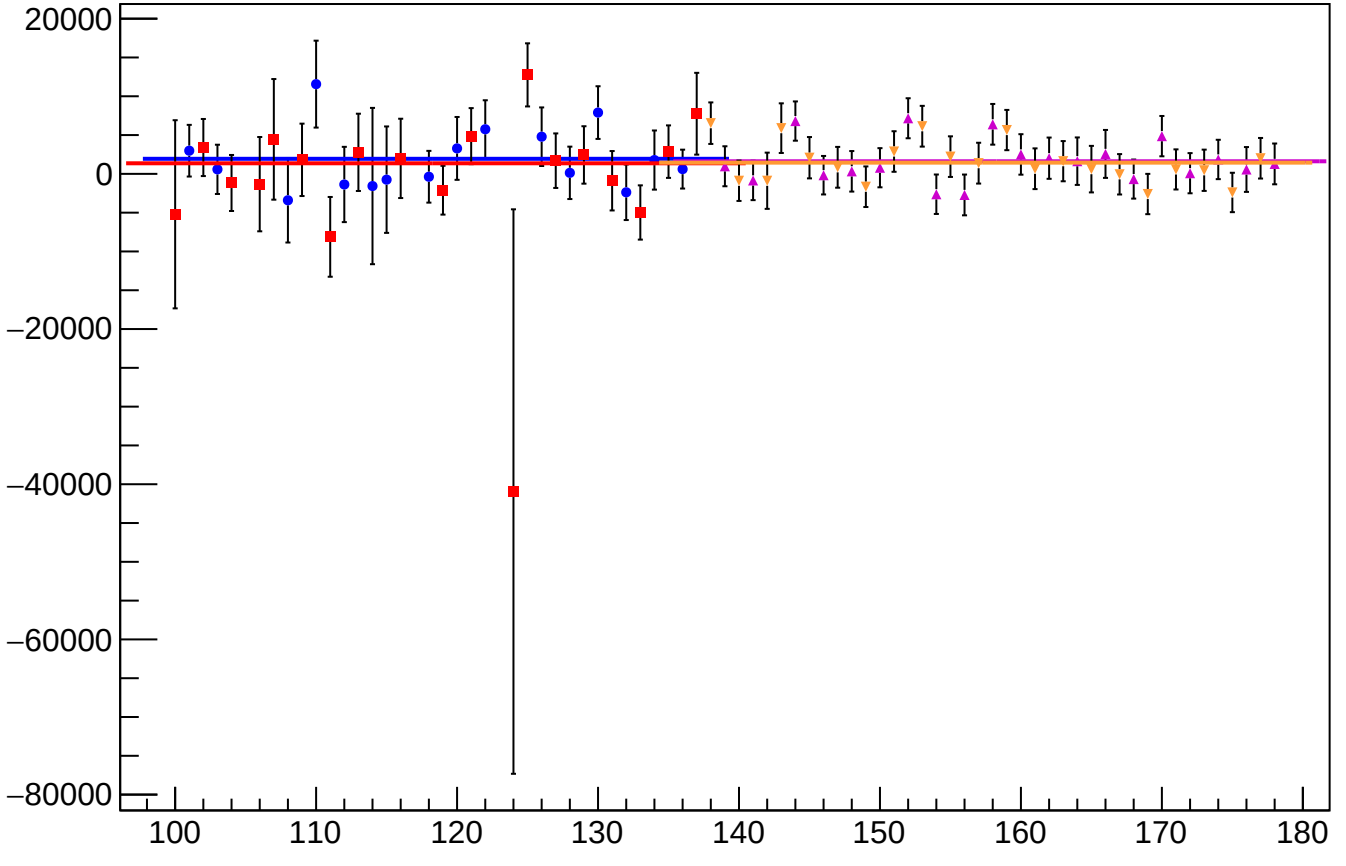
Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 774.861+/-0.120 χ^2/NDF:4165711.6/35

Out: 754.248+/-0.116 χ^2/NDF:4734880.0/39

All: 764.286+/-0.083 χ^2/NDF: 8915852.8/75

eigen_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: 1620.760+/-587.428 χ^2/NDF:22.6/19

Left: 1533.631+/-414.687 χ^2/NDF: 42.7/40

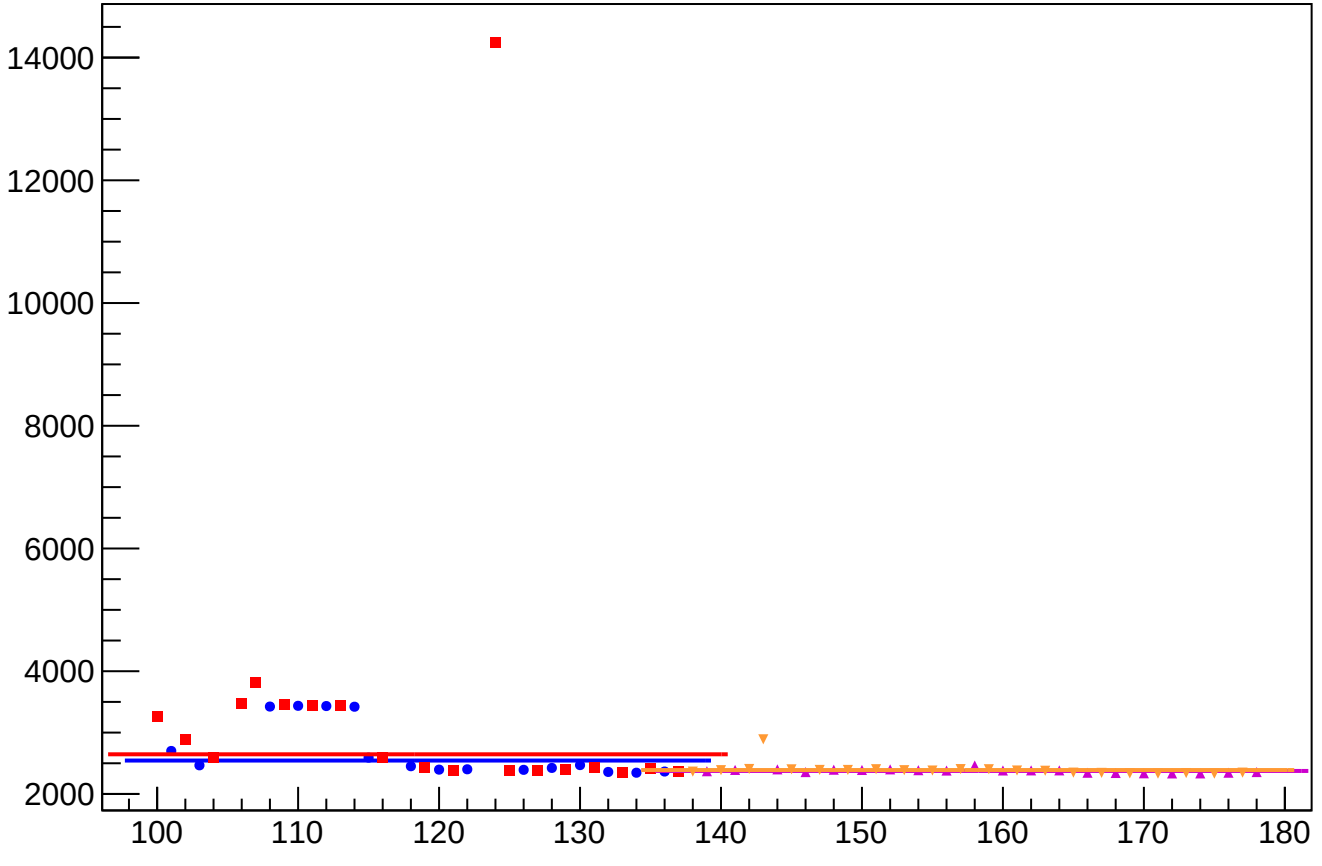
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1708.721+/-499.995 χ^2/NDF:35.0/35

Out: 1425.163+/-503.347 χ^2/NDF:41.7/39

All: 1567.890+/-354.729 χ^2/NDF: 76.8/75

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: 2374.801+/-0.415 χ^2/NDF:5466.0/19

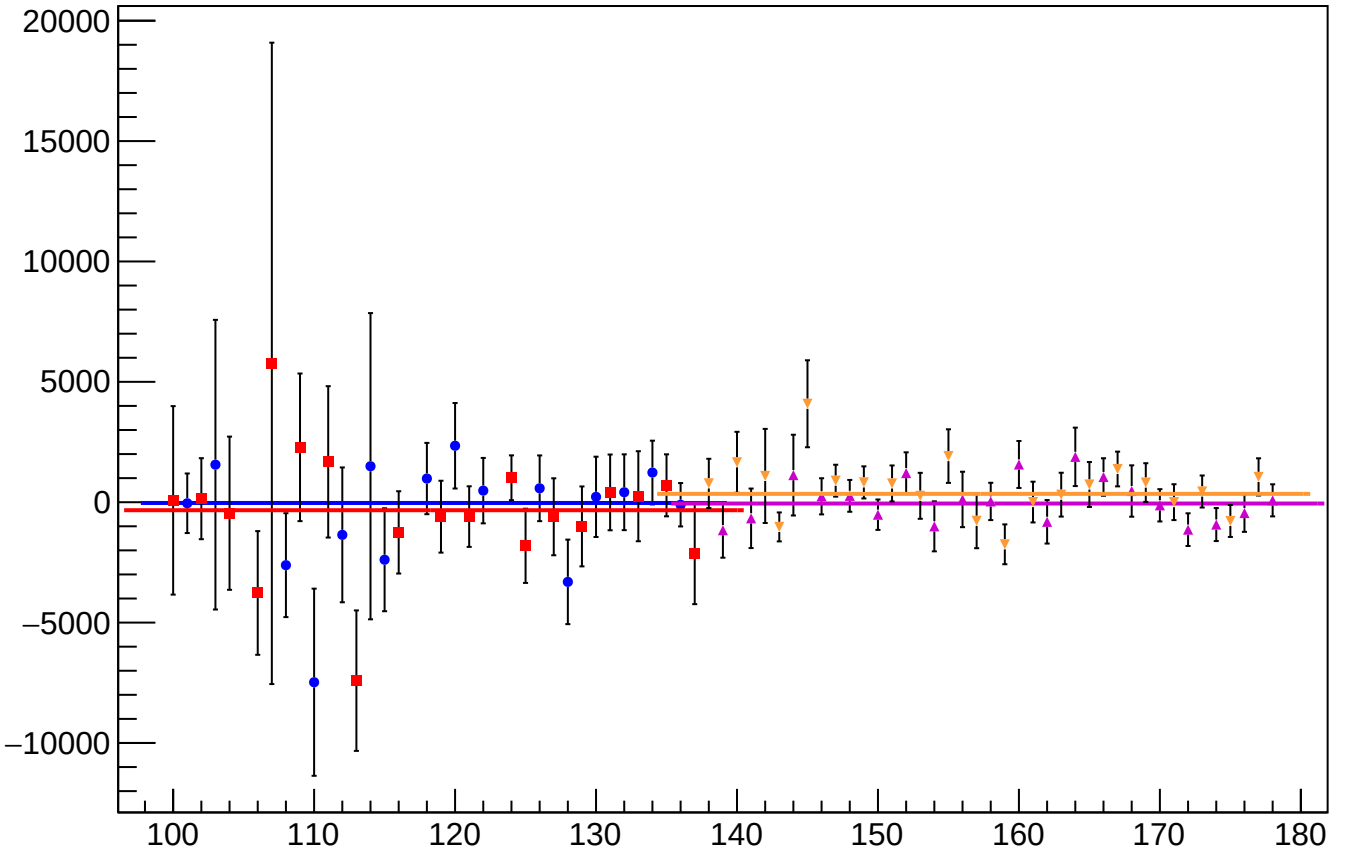
Left: 2382.148+/-0.293 χ^2/NDF: 60851.1/40

Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2421.535+/-0.354 χ^2/NDF:277022.5/35

Out: 2456.437+/-0.356 χ^2/NDF:694661.1/39

All: 2438.869+/-0.251 χ^2/NDF: 976523.7/75



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: -54.382+/-185.923 χ^2/NDF:18.4/19

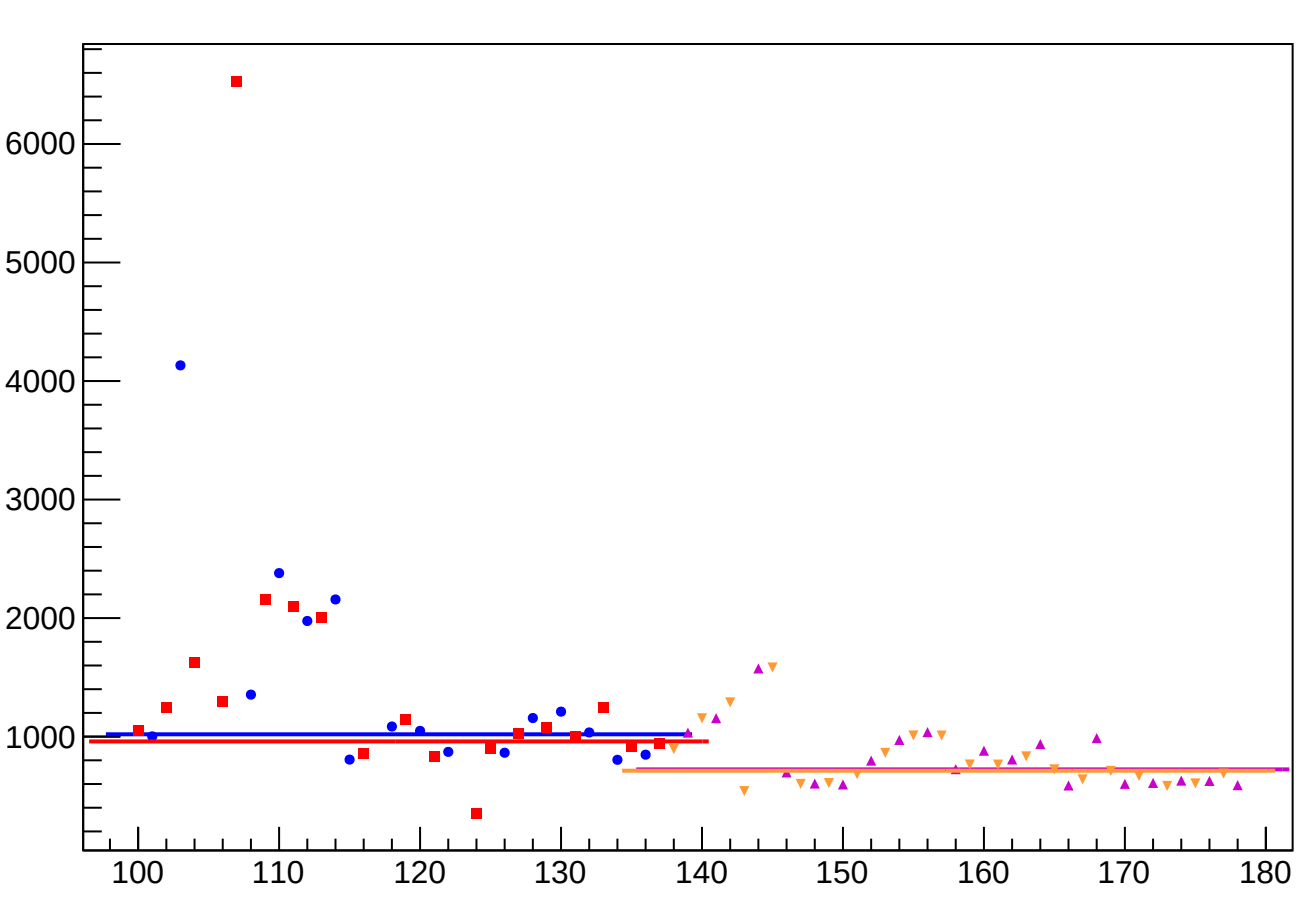
Left: 151.998+/-129.602 χ^2/NDF: 49.2/40

Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: -50.368+/-169.022 χ^2/NDF:32.2/35

Out: 231.600+/-164.672 χ^2/NDF:45.3/39

All: 94.290+/-117.949 χ^2/NDF: 78.8/75



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: 723.485+/-0.131 χ^2/NDF:1921025.4/19

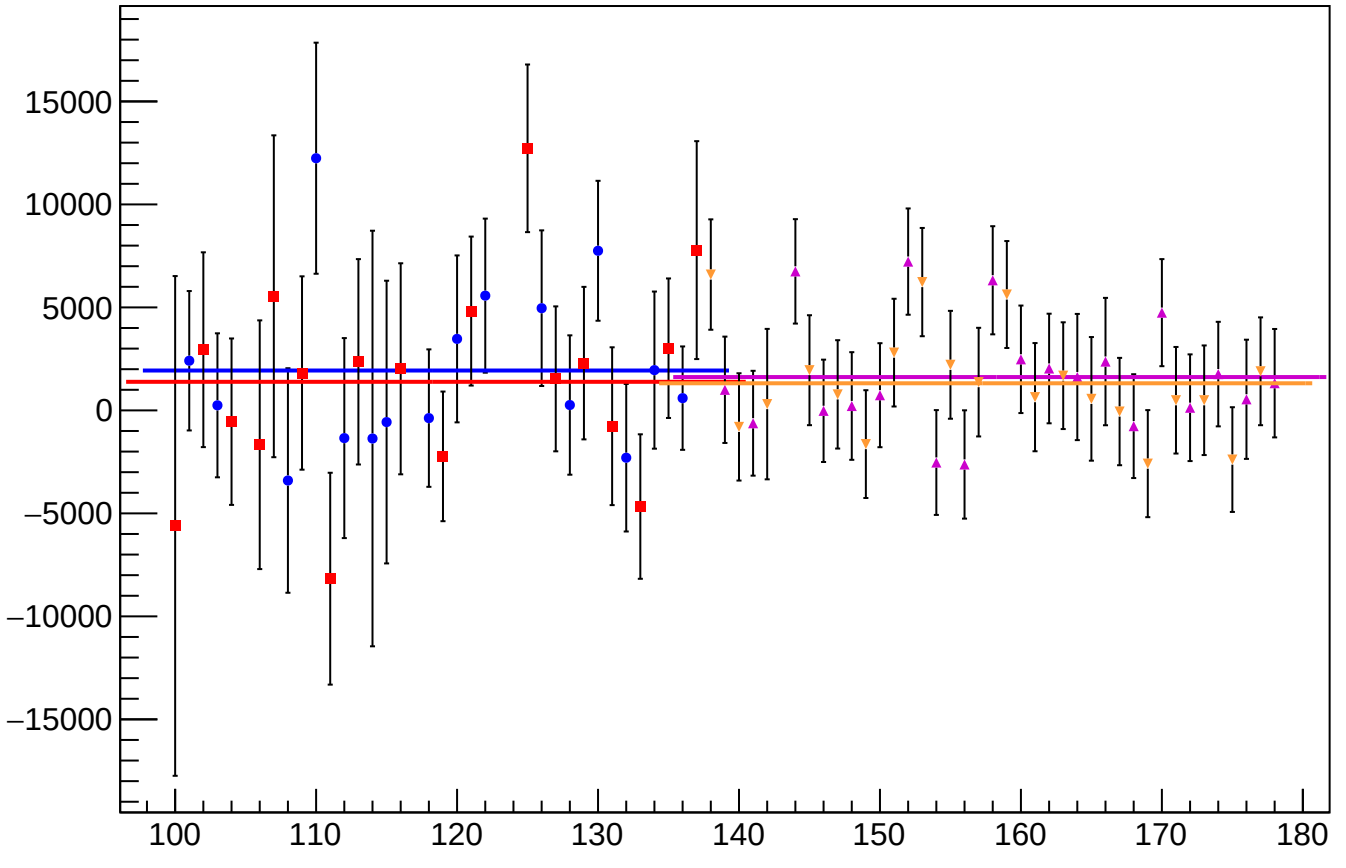
Left: 717.697+/-0.092 χ^2/NDF: 3679588.0/40

Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 774.861+/-0.120 χ^2/NDF:4165711.6/35

Out: 754.248+/-0.116 χ^2/NDF:4734880.0/39

All: 764.286+/-0.083 χ^2/NDF: 8915852.8/75



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: 1618.348+/-587.959 χ^2/NDF:22.0/19

Left: 1469.382+/-418.638 χ^2/NDF: 39.8/39

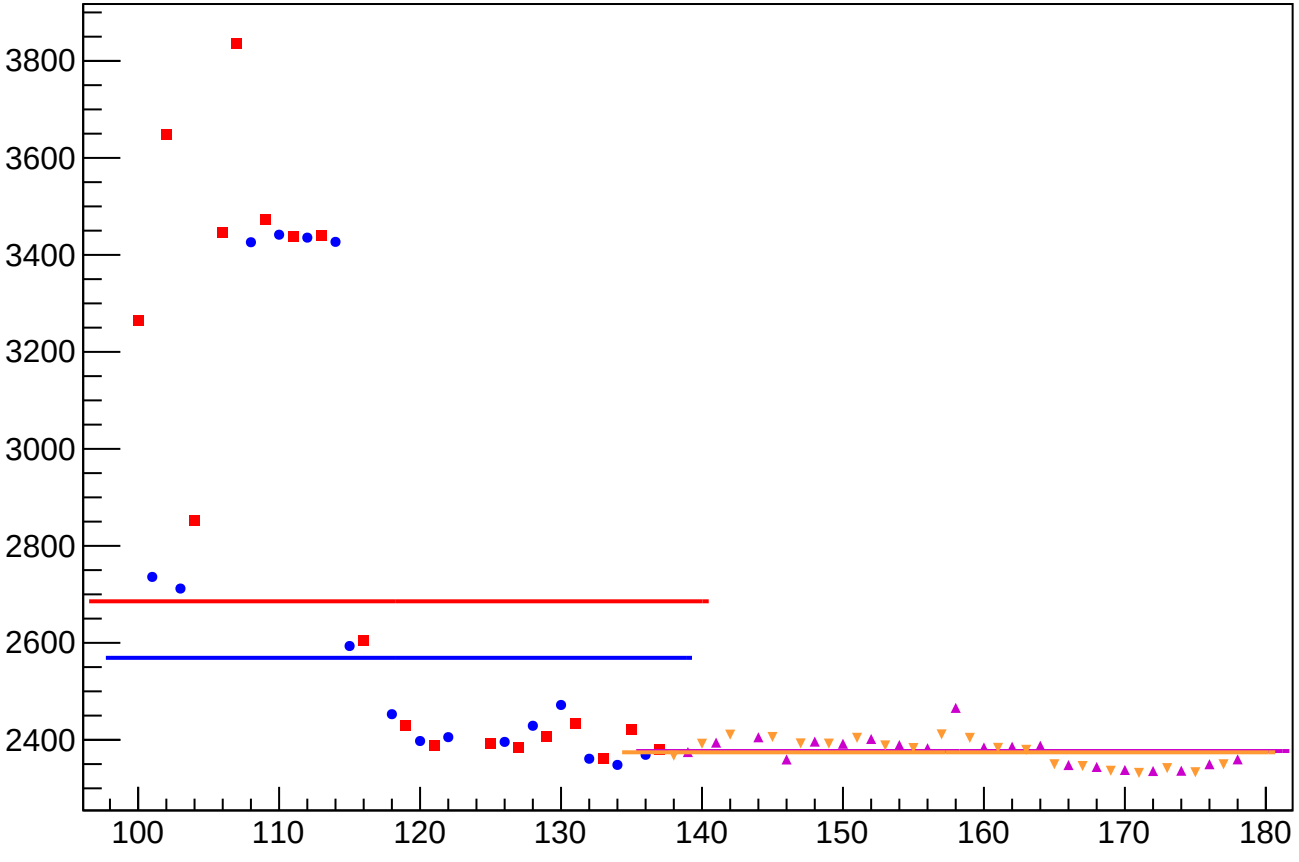
Right: 1674.777+/-696.416 χ^2/NDF: 32.3/33

In: 1704.691+/-501.724 χ^2/NDF:34.4/35

Out: 1334.665+/-513.313 χ^2/NDF:37.5/37

All: 1523.902+/-358.800 χ^2/NDF: 72.2/73

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: 2376.938+/-0.416 χ^2/NDF:5474.3/19

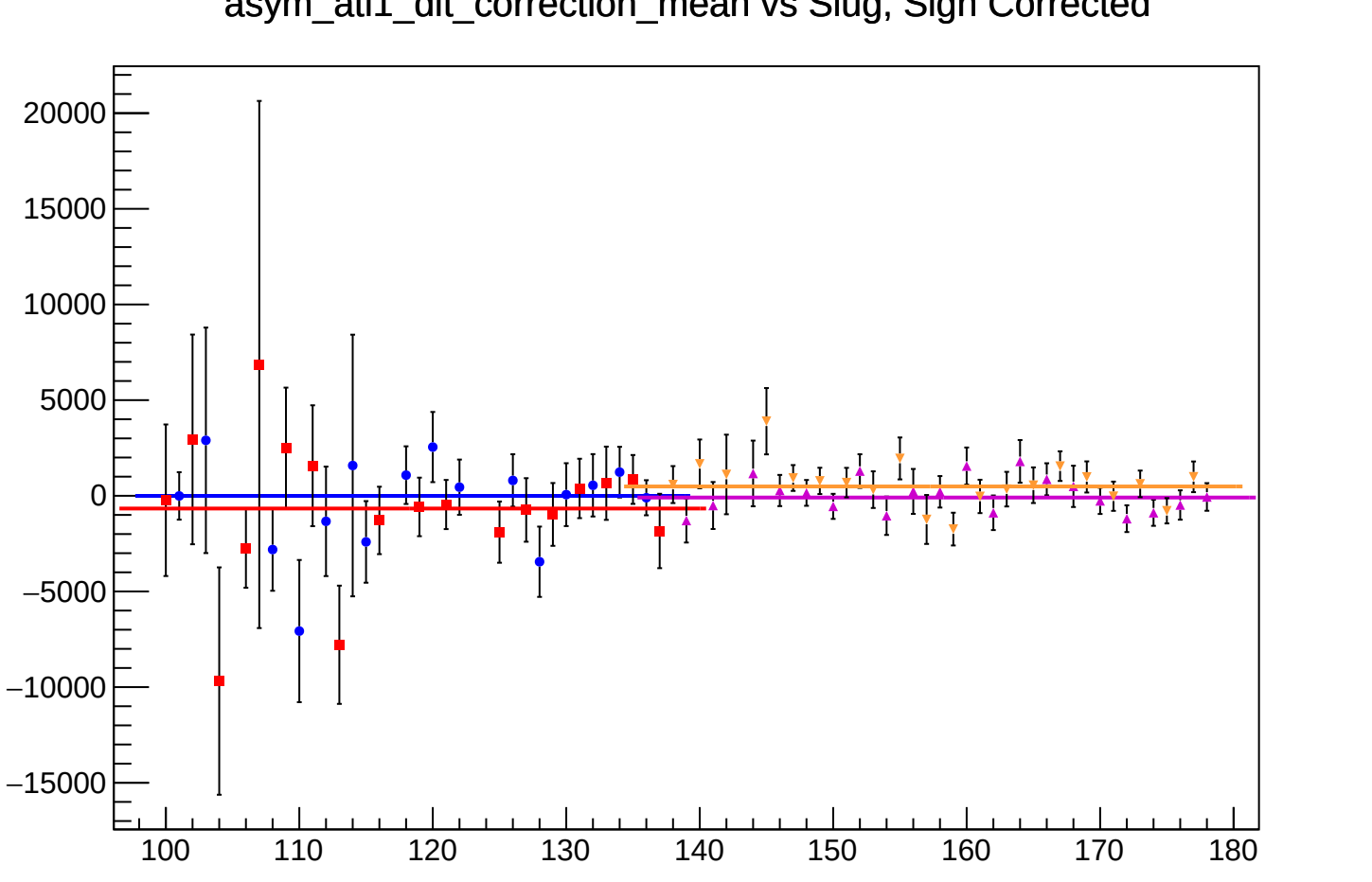
Left: 2375.645+/-0.296 χ^2/NDF: 9640.0/39

Right: 2624.638+/-0.492 χ^2/NDF: 662723.7/33

In: 2429.181+/-0.355 χ^2/NDF:293050.9/35

Out: 2454.881+/-0.363 χ^2/NDF:564548.9/37

All: 2441.737+/-0.254 χ^2/NDF: 860163.8/73



Right In: -5.169+/-412.248 χ^2/NDF: 14.5/15

Left Out: 487.842+/-193.790 χ^2/NDF:23.1/19

Right Out: -665.952+/-460.513 χ^2/NDF: 14.4/17

Left In: -91.230+/-190.380 χ^2/NDF:18.5/19

Left: 193.166+/-135.808 χ^2/NDF: 46.1/39

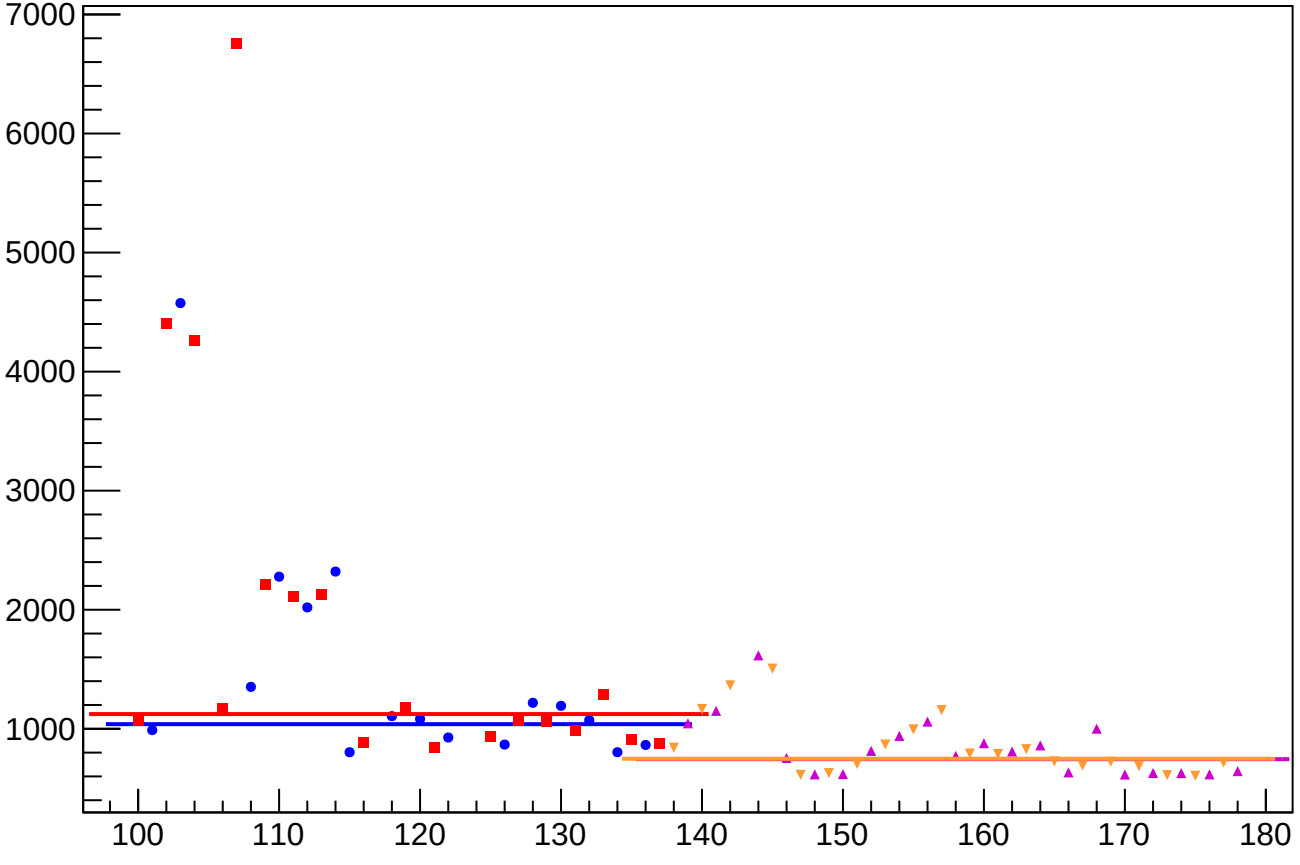
Right: -299.130+/-307.154 χ^2/NDF: 30.0/33

In: -76.102+/-172.839 χ^2/NDF:33.0/35

Out: 314.261+/-178.619 χ^2/NDF:42.8/37

All: 112.662+/-124.209 χ^2/NDF: 78.3/73

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: 744.762+/-0.135 χ^2/NDF:1746642.8/19

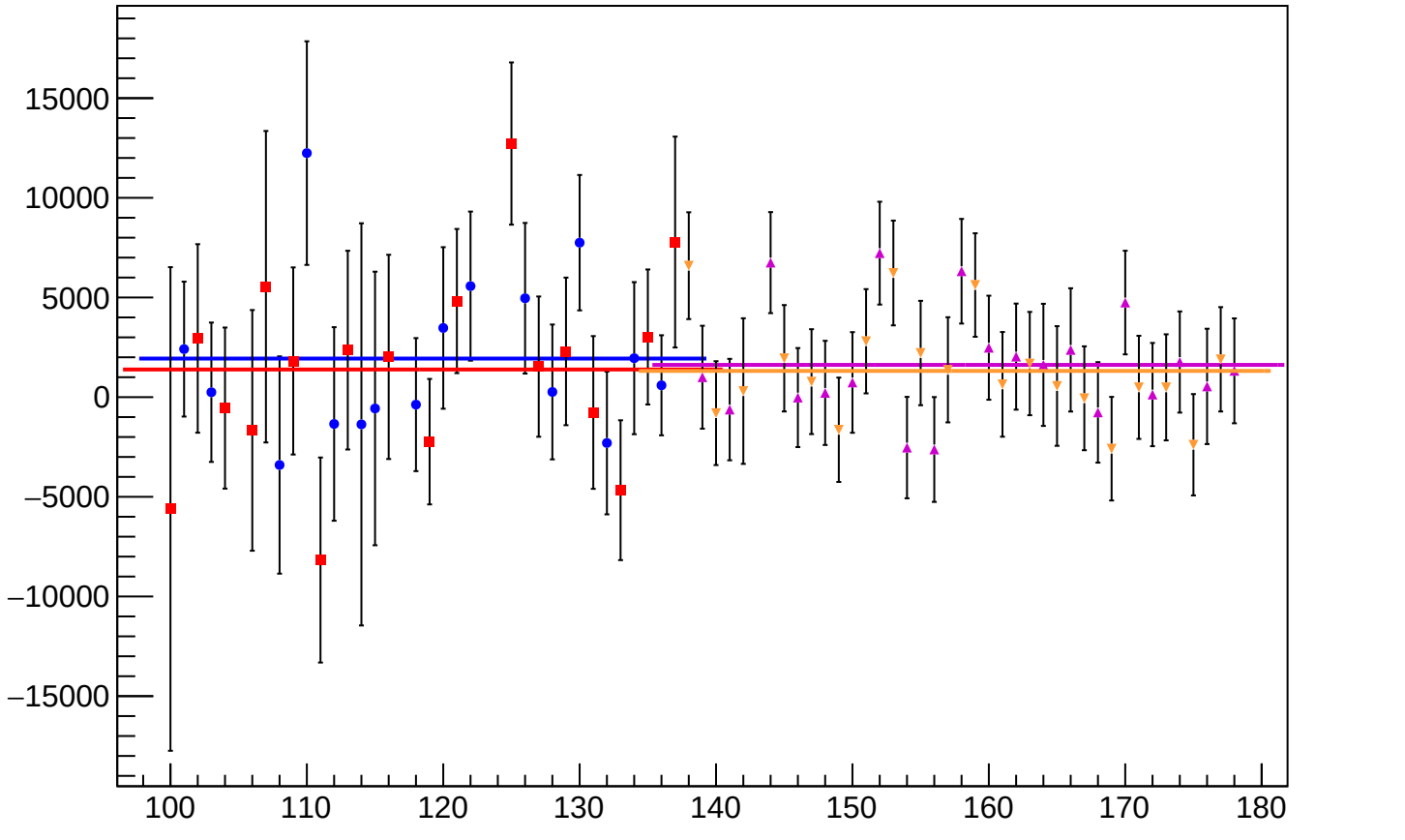
Left: 746.477+/-0.096 χ^2/NDF: 3247687.0/39

Right: 1076.470+/-0.217 χ^2/NDF: 4112776.2/33

In: 796.448+/-0.122 χ^2/NDF:4125006.3/35

Out: 804.704+/-0.126 χ^2/NDF:5164229.2/37

All: 800.440+/-0.088 χ^2/NDF: 9291441.8/73



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: 1618.349+/-587.959 χ^2/NDF:22.0/19

Left: 1469.382+/-418.638 χ^2/NDF: 39.8/39

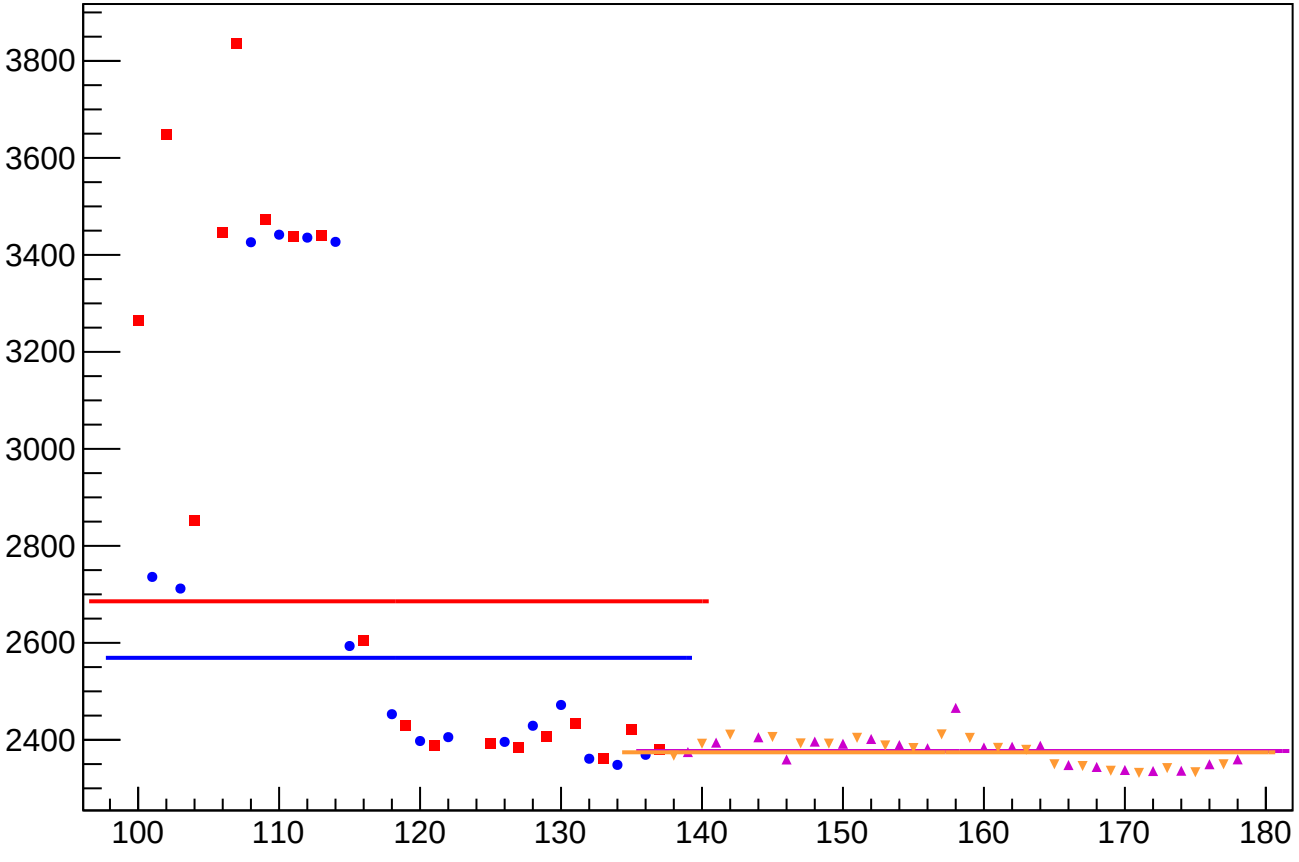
Right: 1674.774+/-696.416 χ^2/NDF: 32.3/33

In: 1704.691+/-501.724 χ^2/NDF:34.4/35

Out: 1334.664+/-513.313 χ^2/NDF:37.5/37

All: 1523.902+/-358.800 χ^2/NDF: 72.2/73

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: 2376.938+/-0.416 χ^2/NDF:5474.3/19

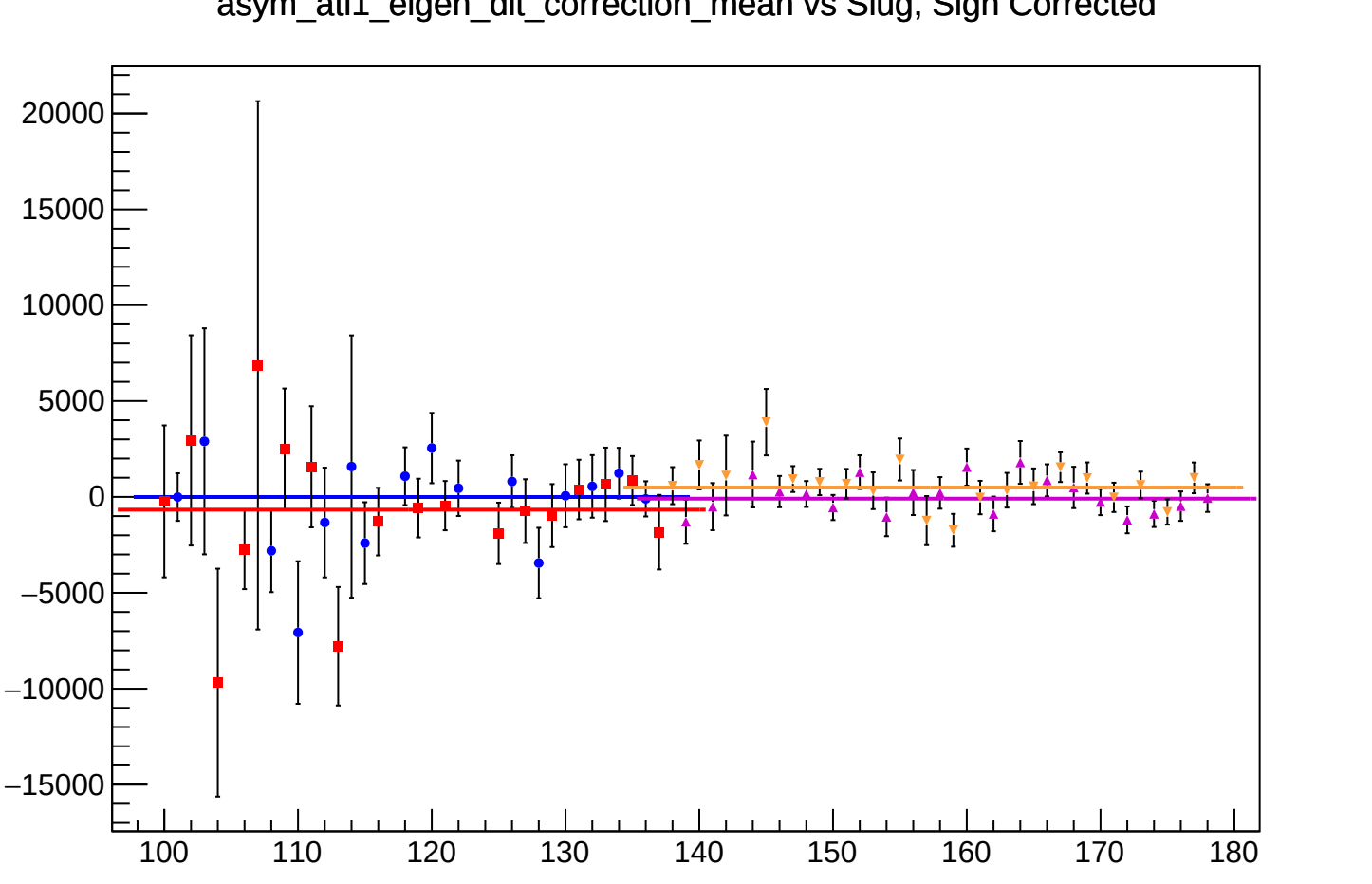
Left: 2375.645+/-0.296 χ^2/NDF: 9640.0/39

Right: 2624.638+/-0.492 χ^2/NDF: 662722.8/33

In: 2429.181+/-0.355 χ^2/NDF:293050.4/35

Out: 2454.881+/-0.363 χ^2/NDF:564548.0/37

All: 2441.737+/-0.254 χ^2/NDF: 860162.4/73



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: -91.230+/-190.380 χ^2/NDF:18.5/19

Left: 193.166+/-135.809 χ^2/NDF: 46.1/39

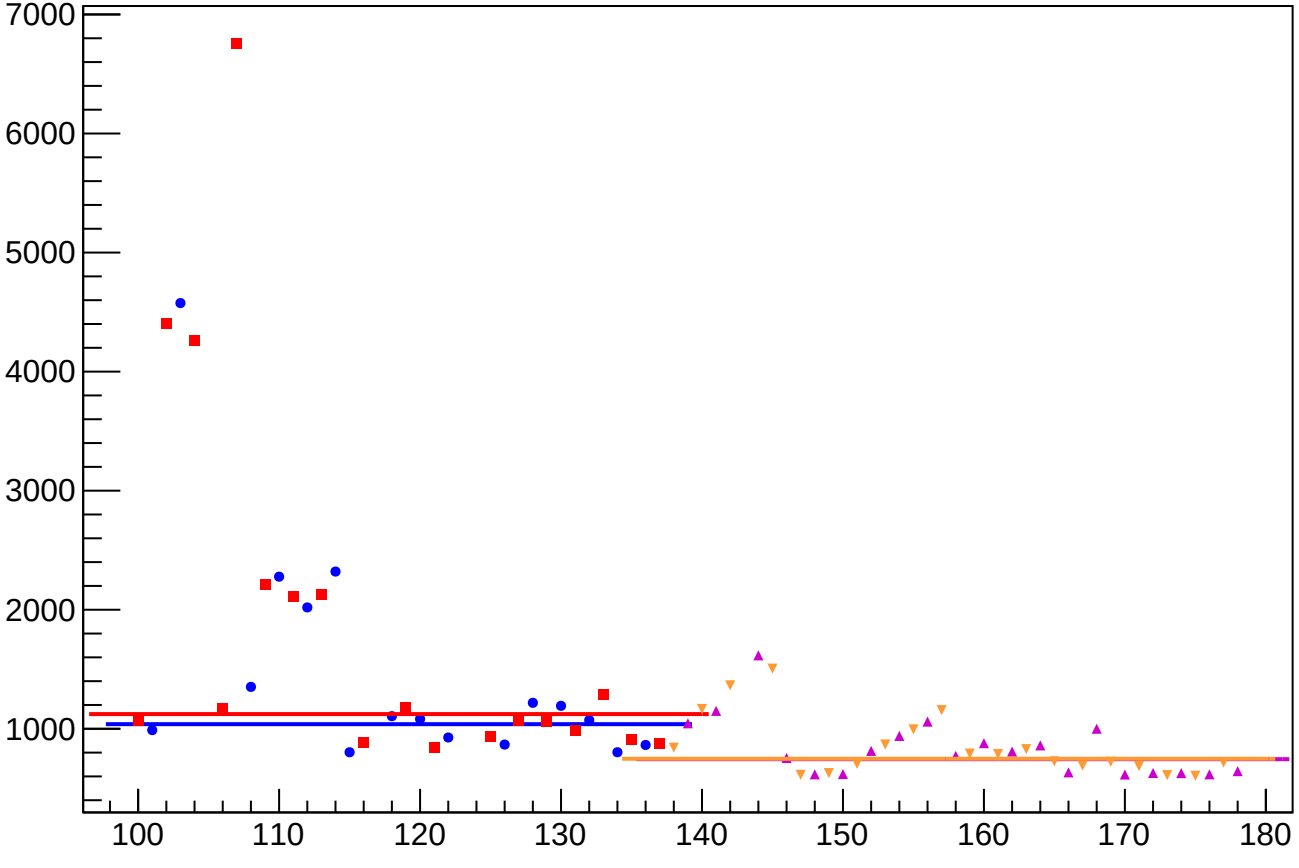
Right: -299.132+/-307.154 χ^2/NDF: 30.0/33

In: -76.102+/-172.839 χ^2/NDF:33.0/35

Out: 314.261+/-178.619 χ^2/NDF:42.8/37

All: 112.661+/-124.209 χ^2/NDF: 78.3/73

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: 744.764+/-0.135 χ^2/NDF:1746639.3/19

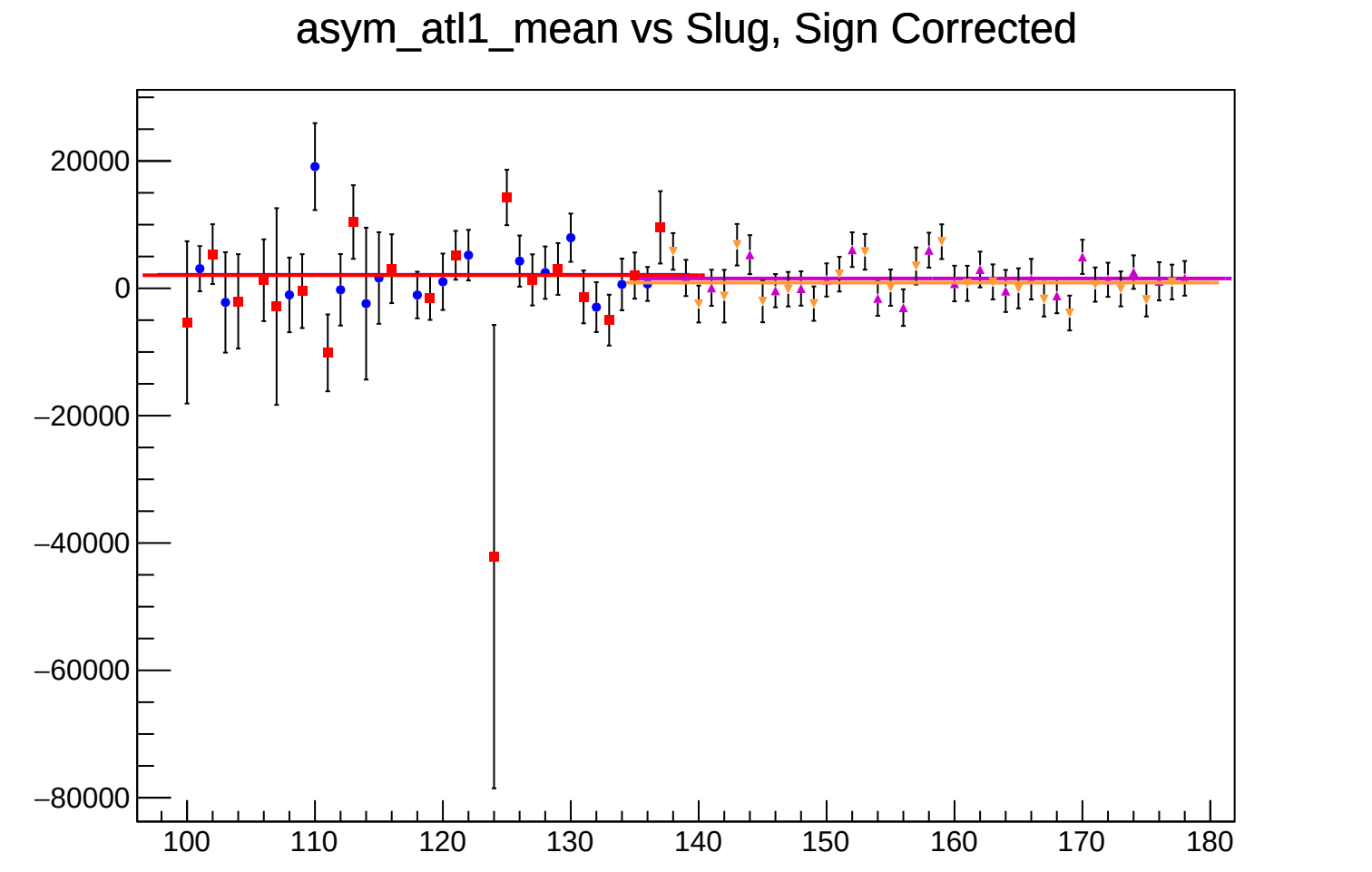
Left: 746.479+/-0.096 χ^2/NDF: 3247681.2/39

Right: 1076.471+/-0.217 χ^2/NDF: 4112767.4/33

In: 796.450+/-0.122 χ^2/NDF:4124990.7/35

Out: 804.705+/-0.126 χ^2/NDF:5164215.8/37

All: 800.442+/-0.088 χ^2/NDF: 9291412.7/73



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: 1548.242+/-625.947 χ^2/NDF:15.3/19

Left: 1221.122+/-441.493 χ^2/NDF: 41.0/40

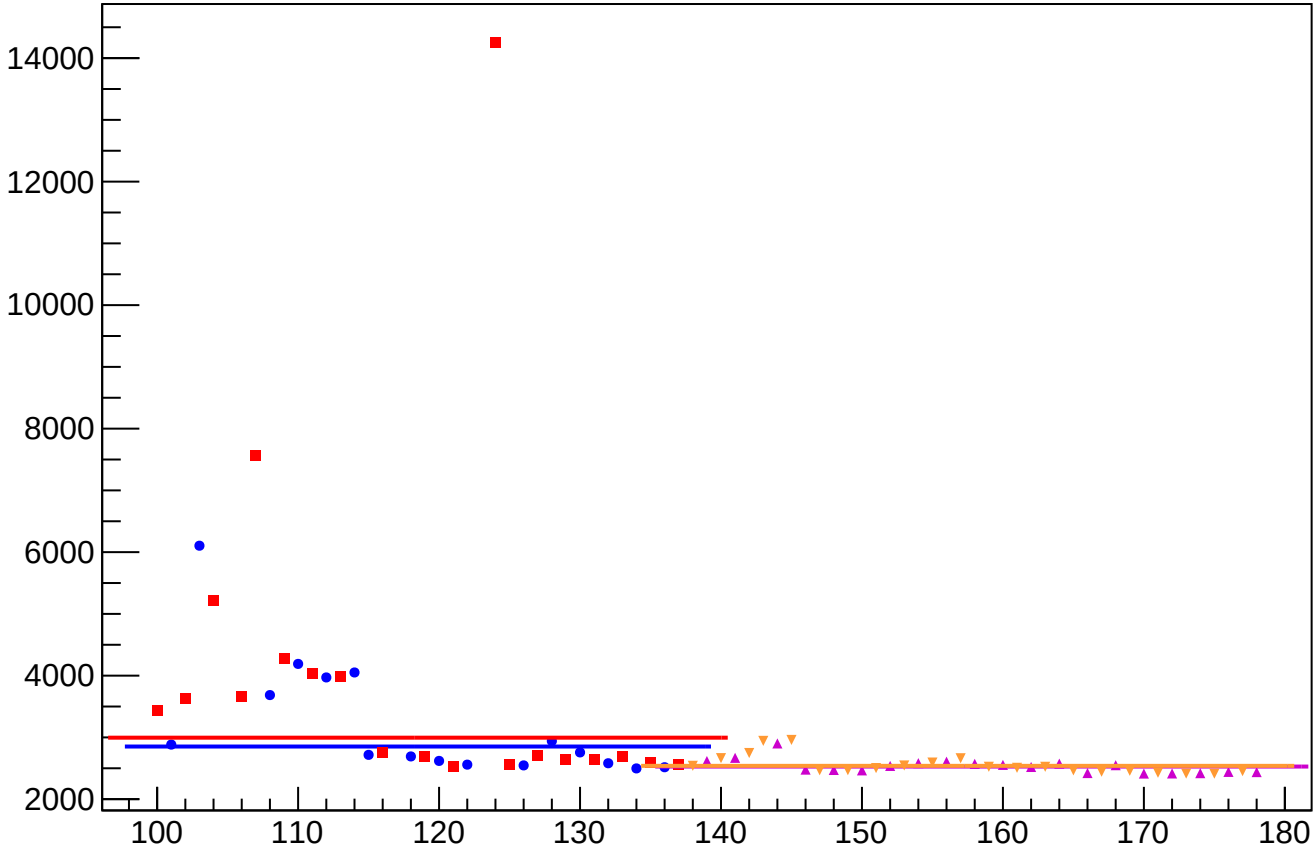
Right: 2092.326+/-784.773 χ^2/NDF: 37.7/34

In: 1691.575+/-542.152 χ^2/NDF:28.9/35

Out: 1165.639+/-546.200 χ^2/NDF:50.3/39

All: 1430.563+/-384.783 χ^2/NDF: 79.6/75

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: 2527.922+/-0.443 χ^2/NDF:59462.0/19

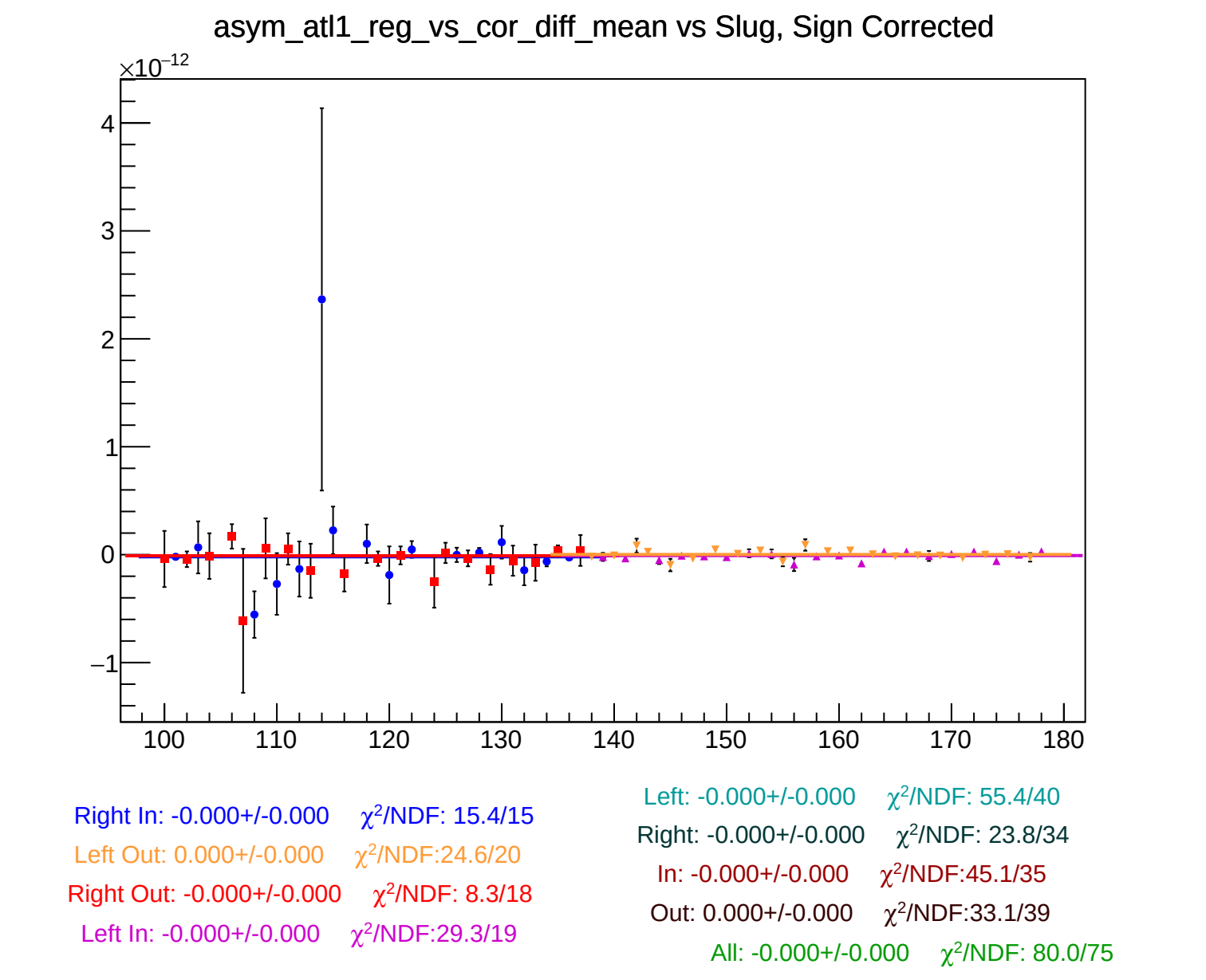
Left: 2533.695+/-0.312 χ^2/NDF: 159100.8/40

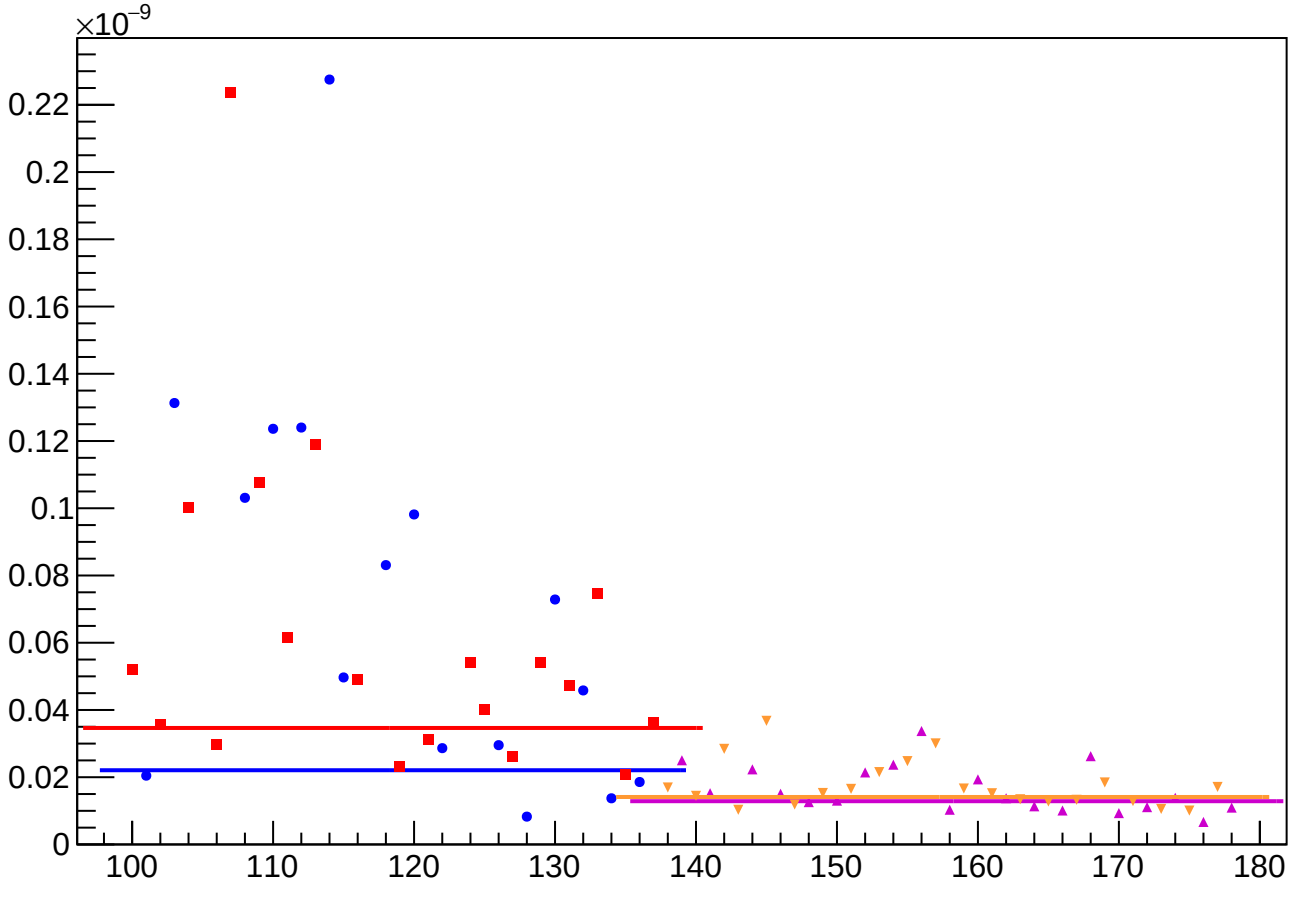
Right: 2920.506+/-0.555 χ^2/NDF: 1644523.2/34

In: 2608.934+/-0.383 χ^2/NDF:842277.0/35

Out: 2644.704+/-0.386 χ^2/NDF:1326106.4/39

All: 2626.686+/-0.272 χ^2/NDF: 2172704.1/75


asym_atl1_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 15.4/15
Left Out: 0.000+/-0.000 χ²/NDF:24.6/20
Right Out: -0.000+/-0.000 χ²/NDF: 8.3/18
Left In: -0.000+/-0.000 χ²/NDF:29.3/19
Left: -0.000+/-0.000 χ²/NDF: 55.4/40
Right: -0.000+/-0.000 χ²/NDF: 23.8/34
In: -0.000+/-0.000 χ²/NDF:45.1/35
Out: 0.000+/-0.000 χ²/NDF:33.1/39
All: -0.000+/-0.000 χ²/NDF: 80.0/75



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:1549364.6/19

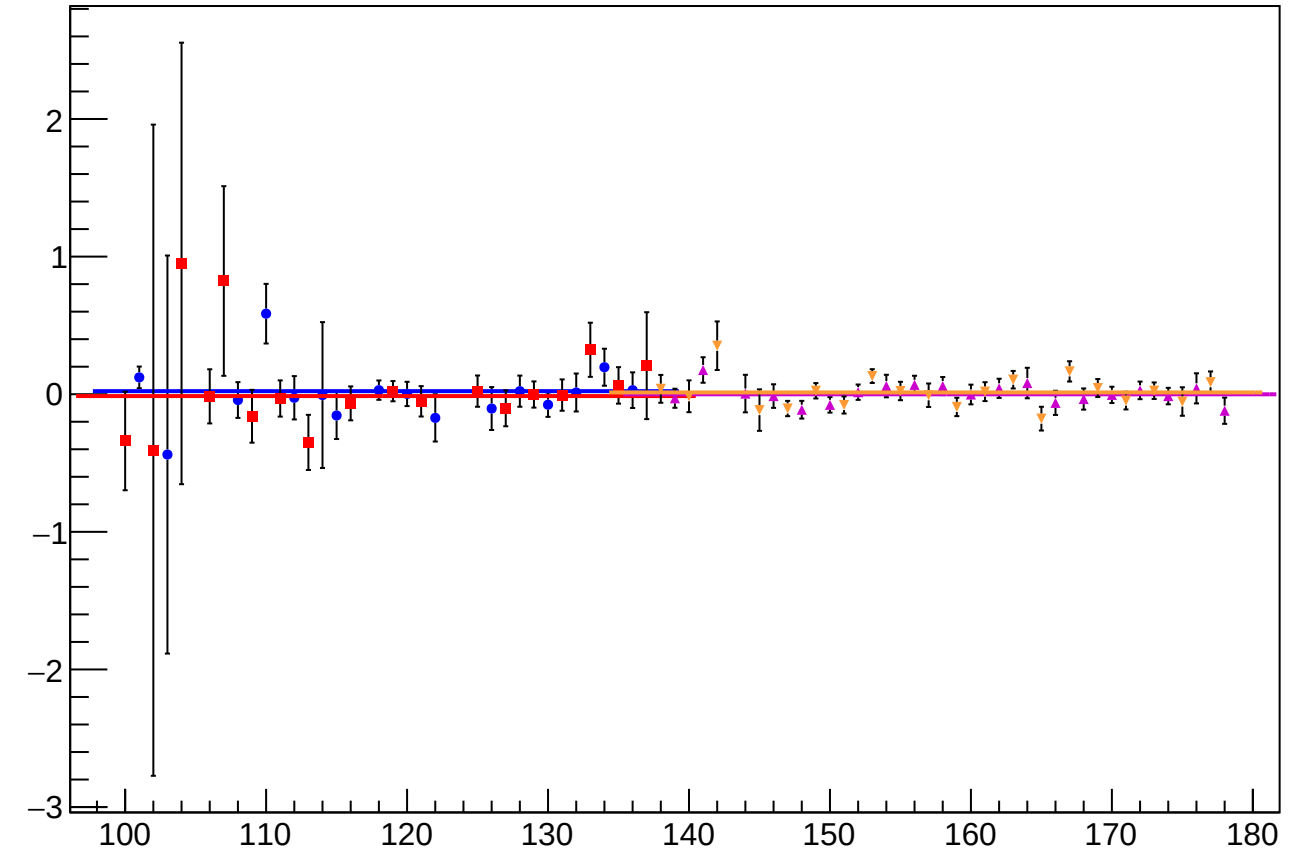
Left: 0.000+/-0.000 χ^2/NDF: 2808256.4/40

Right: 0.000+/-0.000 χ^2/NDF: 3942150.2/34

In: 0.000+/-0.000 χ^2/NDF:4413020.1/35

Out: 0.000+/-0.000 χ^2/NDF:3792469.3/39

All: 0.000+/-0.000 χ^2/NDF: 8269935.6/75



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: -0.001+/-0.016 χ^2/NDF:14.8/19

Left: 0.006+/-0.011 χ^2/NDF: 48.3/39

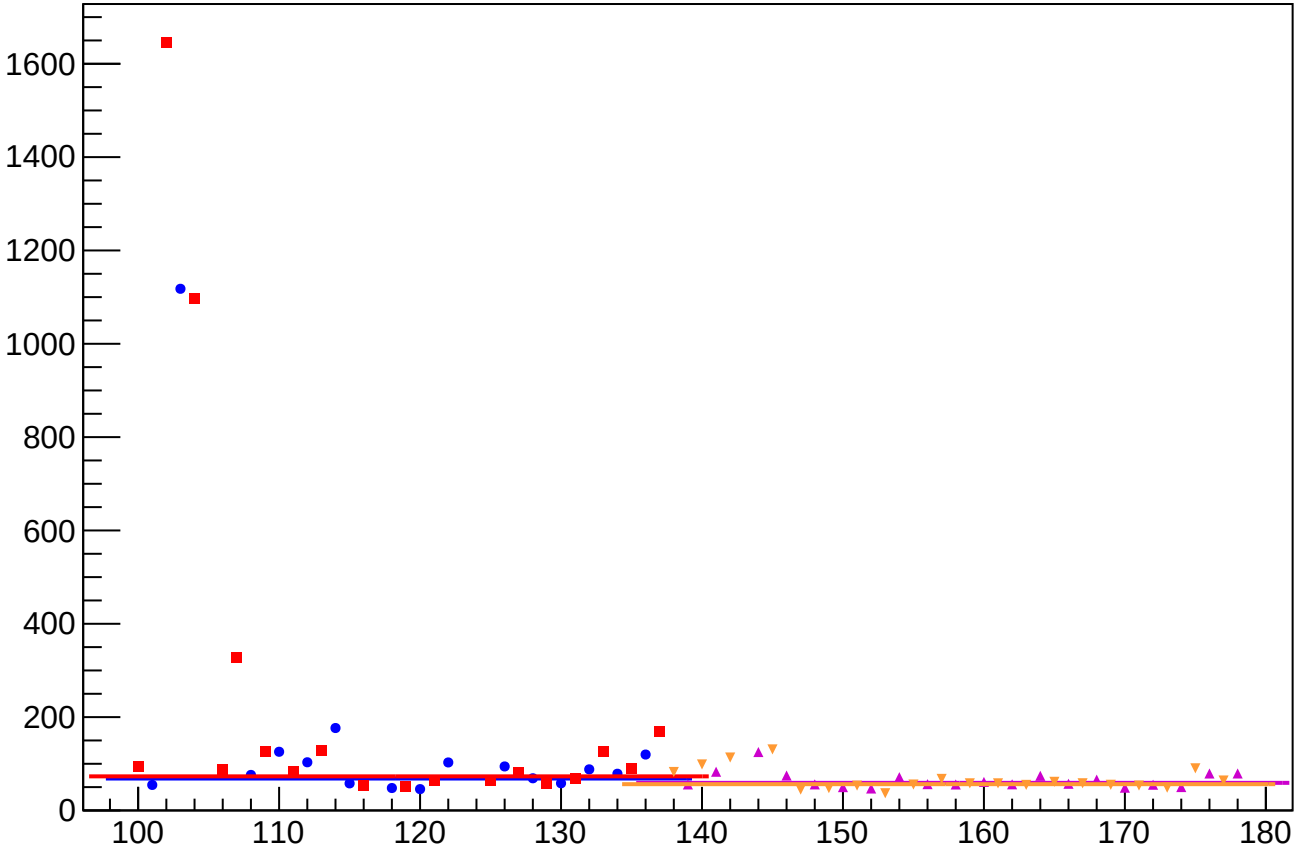
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.005+/-0.014 χ^2/NDF:30.1/35

Out: 0.008+/-0.014 χ^2/NDF:44.4/37

All: 0.006+/-0.010 χ^2/NDF: 74.5/73

asym_atl1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 56.313+/-0.011 χ^2/NDF:1858344.8/19

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 59.154+/-0.011 χ^2/NDF:1209214.2/19

Left: 57.709+/-0.008 χ^2/NDF: 3098659.3/39

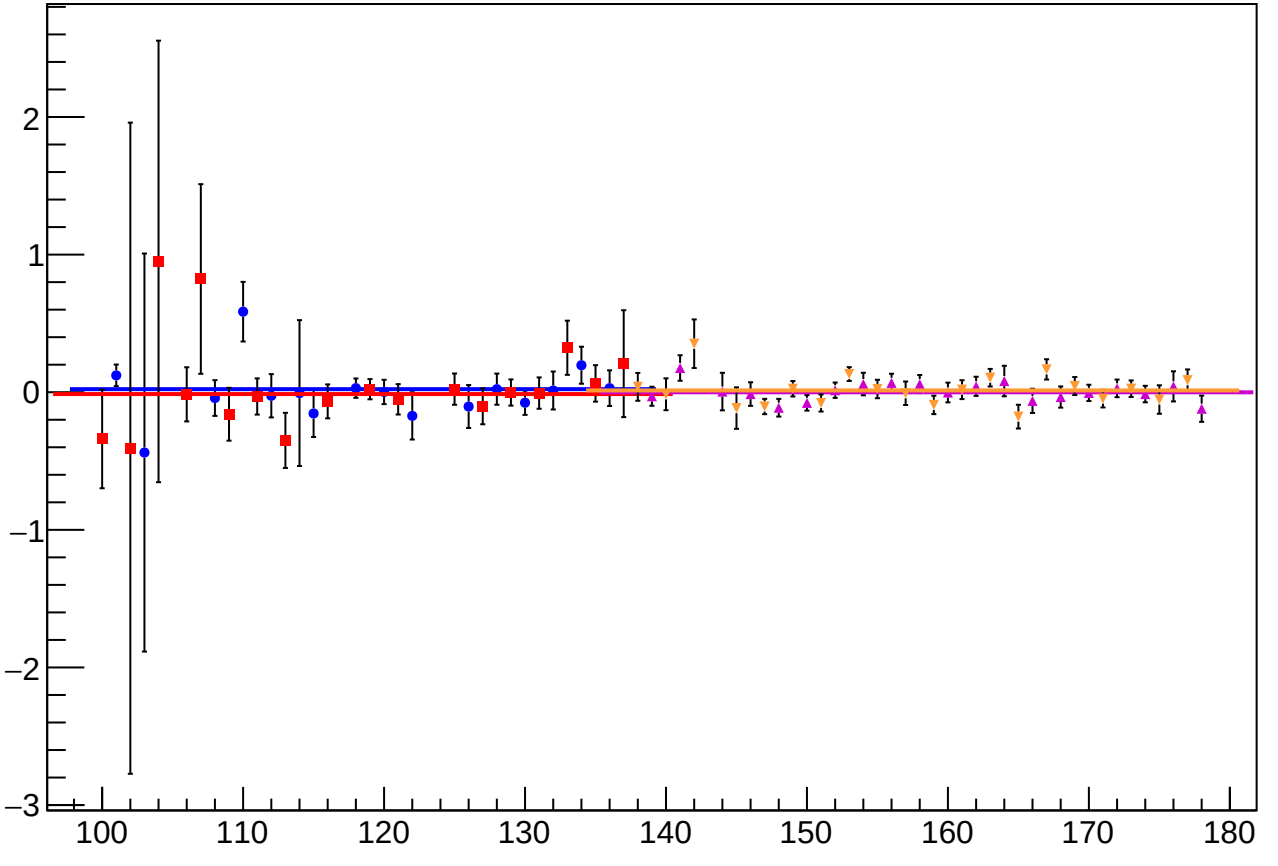
Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 61.243+/-0.010 χ^2/NDF:3633942.1/35

Out: 59.421+/-0.010 χ^2/NDF:5179770.9/37

All: 60.339+/-0.007 χ^2/NDF: 8829816.7/73

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.013+/-0.016 χ^2/NDF:33.1/19

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: -0.001+/-0.016 χ^2/NDF:14.8/19

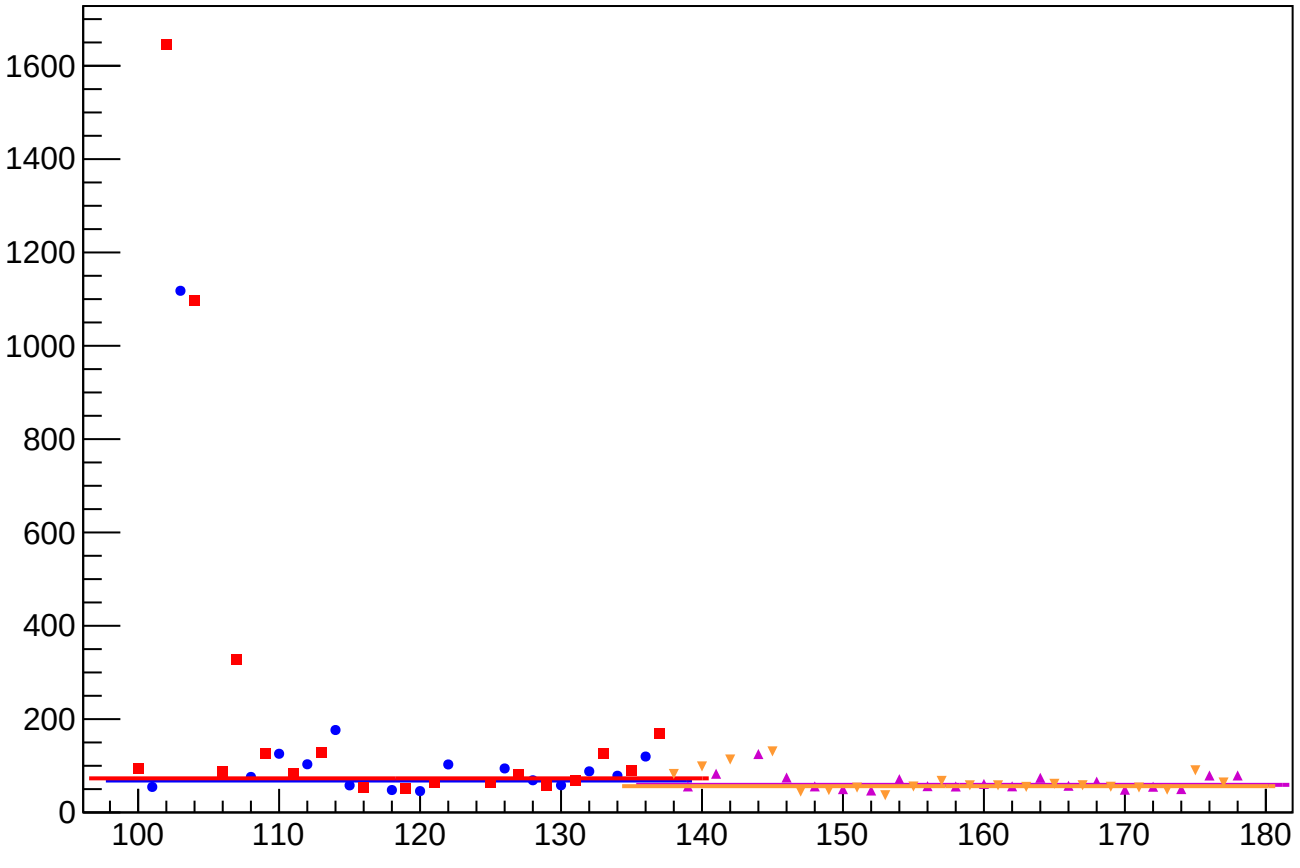
Left: 0.006+/-0.011 χ^2/NDF: 48.3/39

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.005+/-0.014 χ^2/NDF:30.1/35

Out: 0.008+/-0.014 χ^2/NDF:44.4/37

All: 0.006+/-0.010 χ^2/NDF: 74.5/73



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: 59.154+/-0.011 χ^2/NDF:1209214.2/19

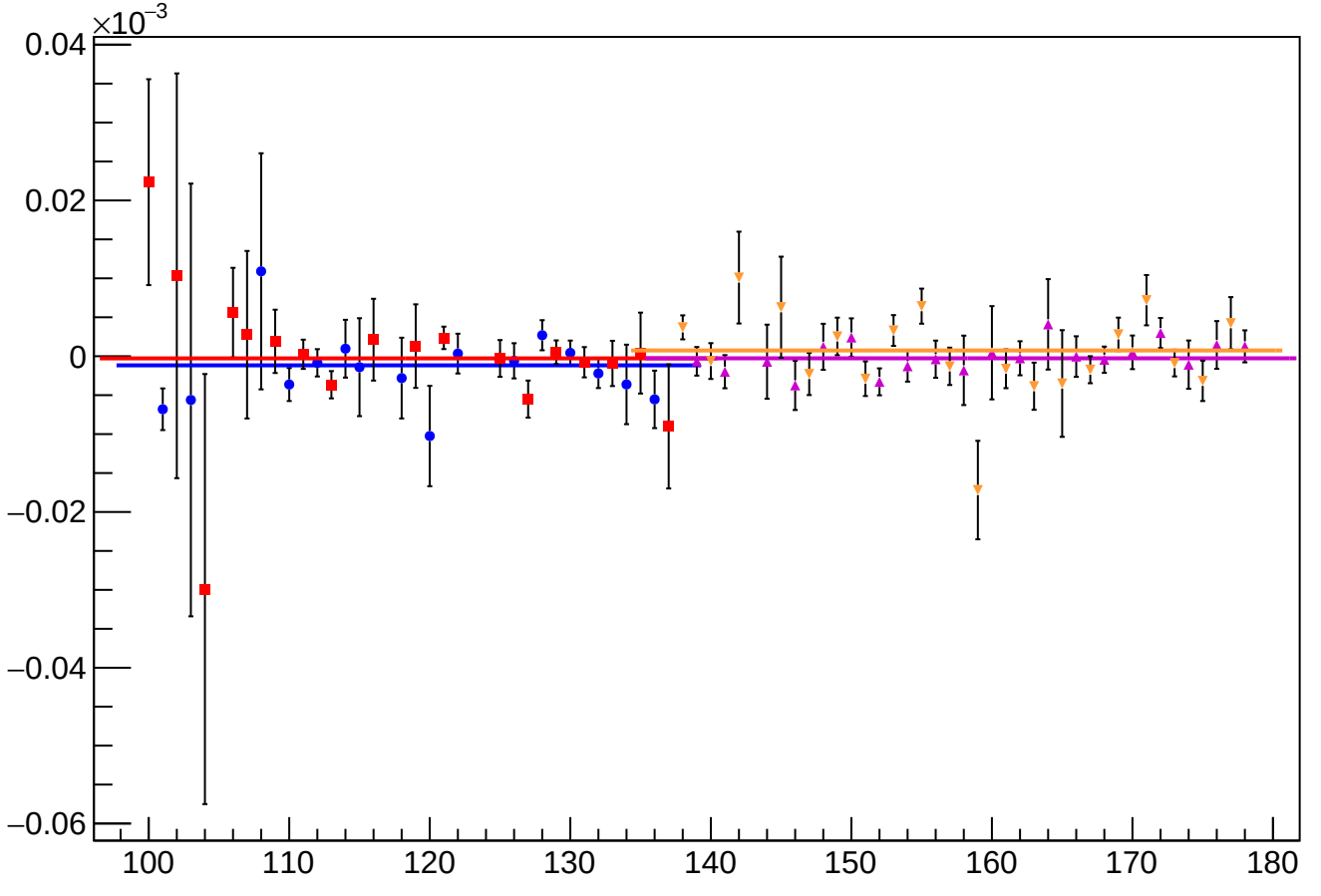
Left: 57.709+/-0.008 χ^2/NDF: 3098659.3/39

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 61.243+/-0.010 χ^2/NDF:3633942.1/35

Out: 59.421+/-0.010 χ^2/NDF:5179770.9/37

All: 60.339+/-0.007 χ^2/NDF: 8829816.7/73



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:11.3/19

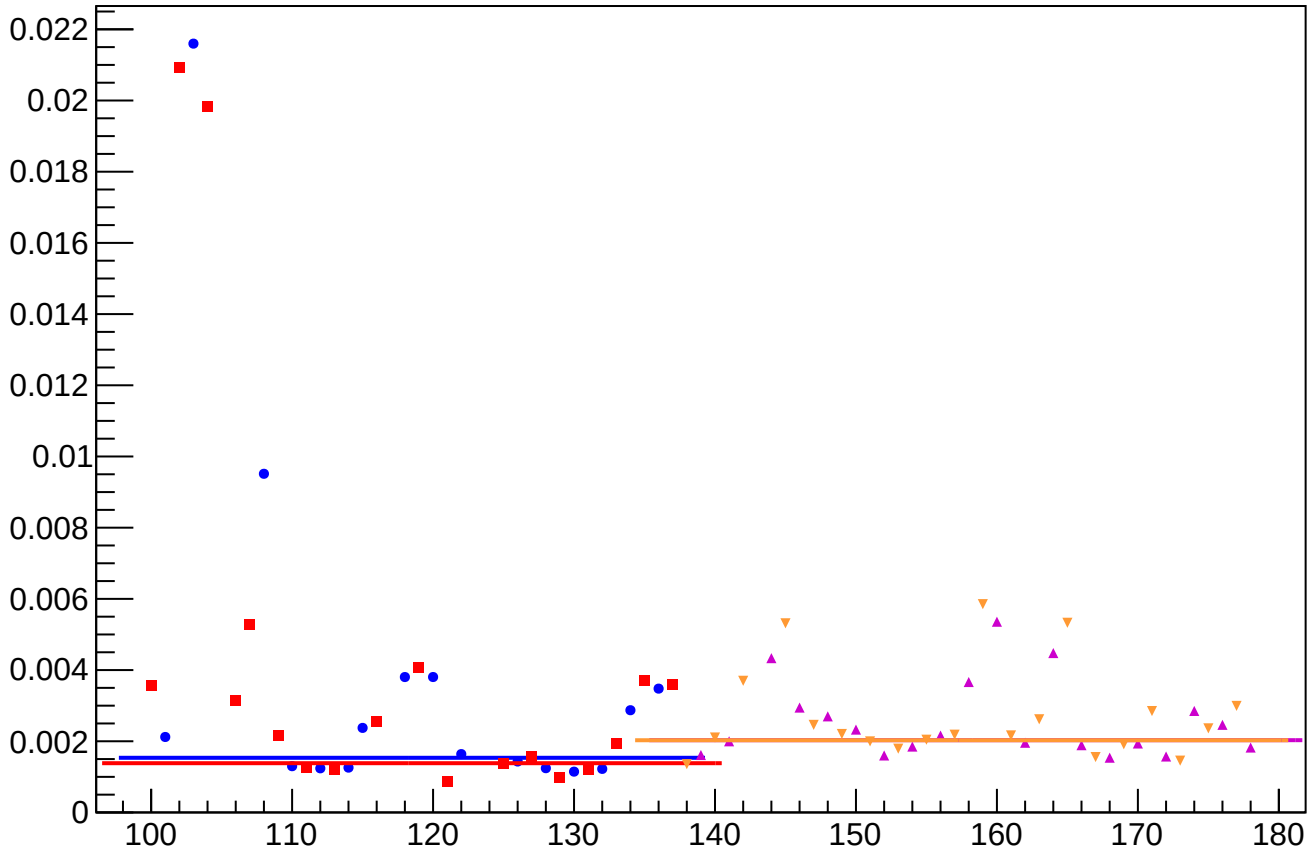
Left: 0.000+/-0.000 χ^2/NDF: 56.4/39

Right: -0.000+/-0.000 χ^2/NDF: 36.8/33

In: -0.000+/-0.000 χ^2/NDF:28.7/35

Out: 0.000+/-0.000 χ^2/NDF:64.4/37

All: -0.000+/-0.000 χ^2/NDF: 95.6/73



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:2755384.5/19

Left: 0.002+/-0.000 χ^2/NDF: 5892113.6/39

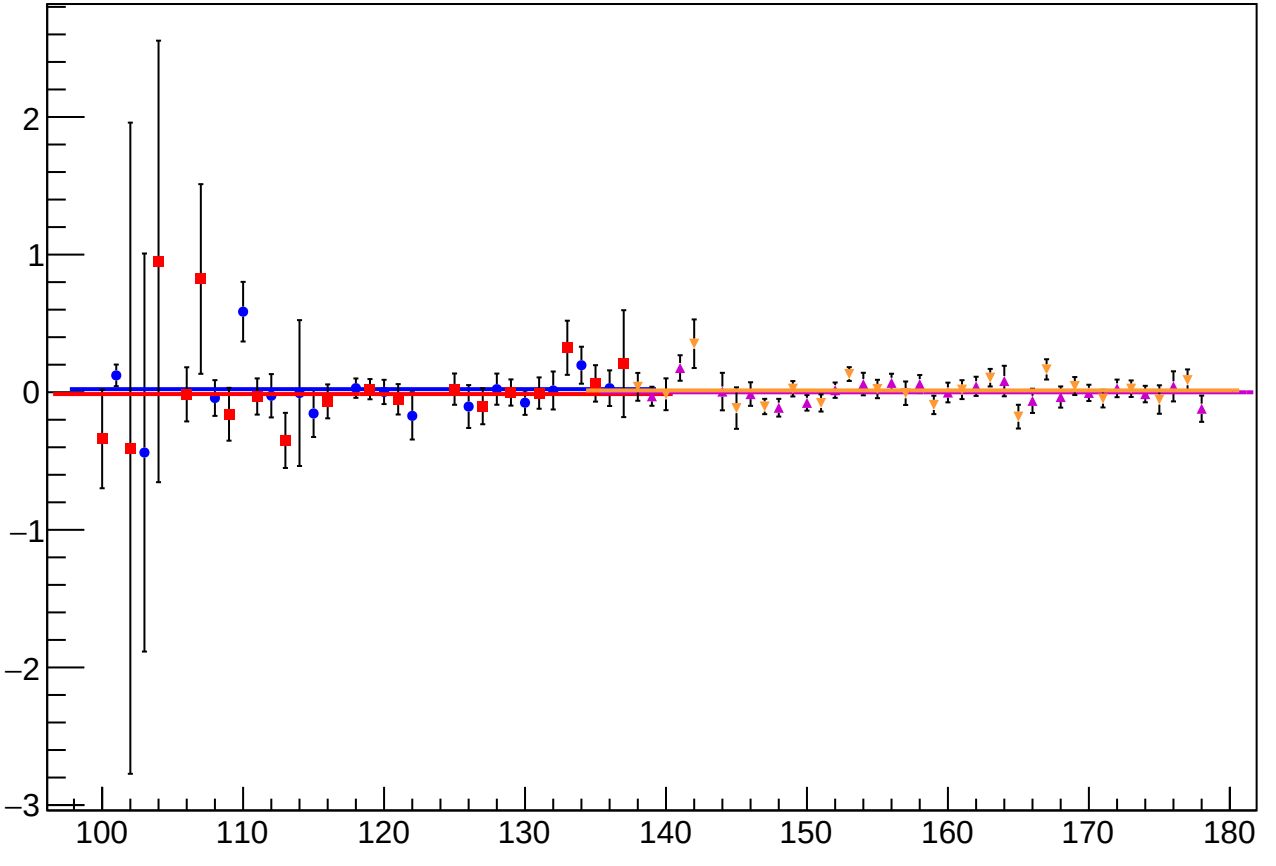
Right: 0.001+/-0.000 χ^2/NDF: 7697891.2/33

In: 0.002+/-0.000 χ^2/NDF:6799067.8/35

Out: 0.002+/-0.000 χ^2/NDF:8593819.4/37

All: 0.002+/-0.000 χ^2/NDF: 15431287.0/73

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.013+/-0.016 χ^2/NDF:33.1/19

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: -0.001+/-0.016 χ^2/NDF:14.8/19

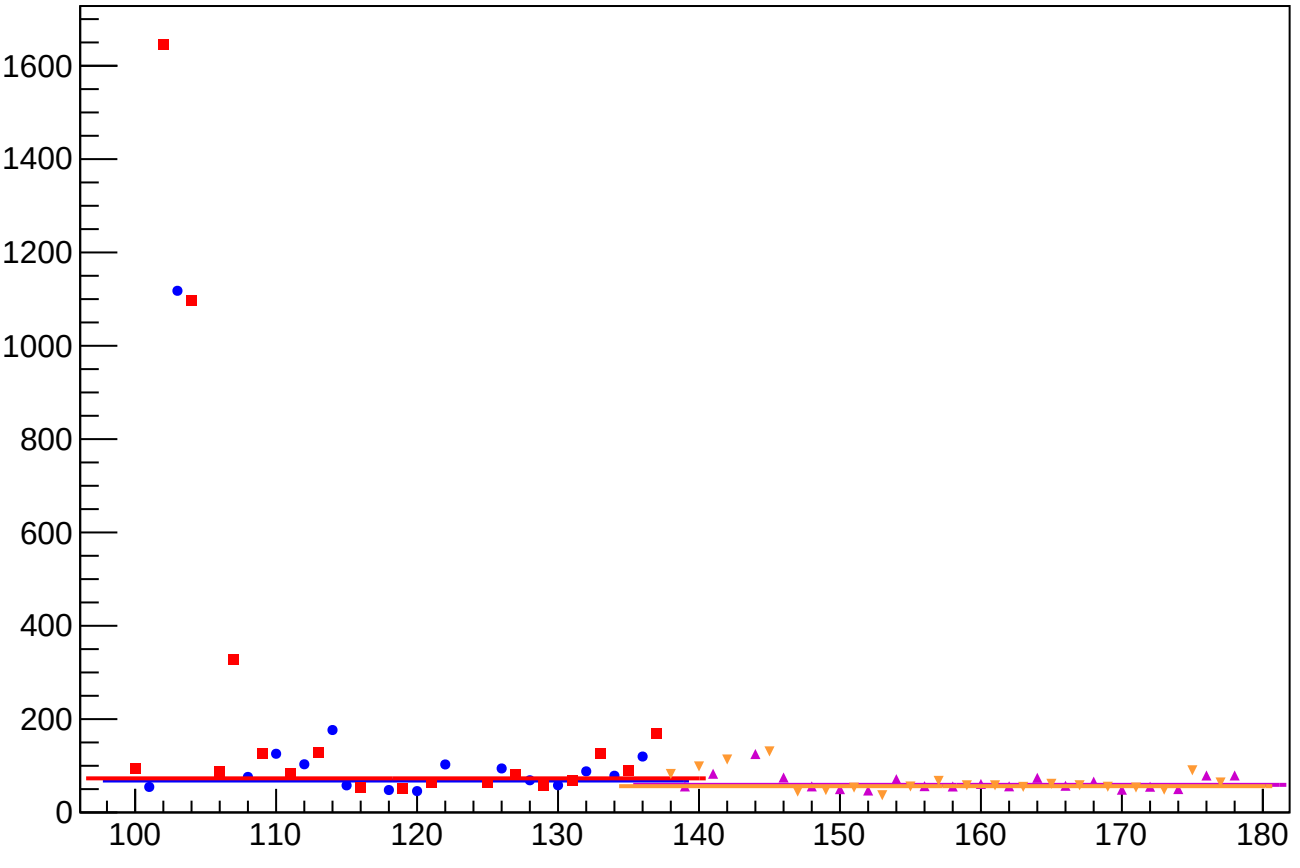
Left: 0.006+/-0.011 χ^2/NDF: 48.3/39

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.005+/-0.014 χ^2/NDF:30.1/35

Out: 0.008+/-0.014 χ^2/NDF:44.4/37

All: 0.006+/-0.010 χ^2/NDF: 74.5/73



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: 59.155+/-0.011 χ^2/NDF:1209191.4/19

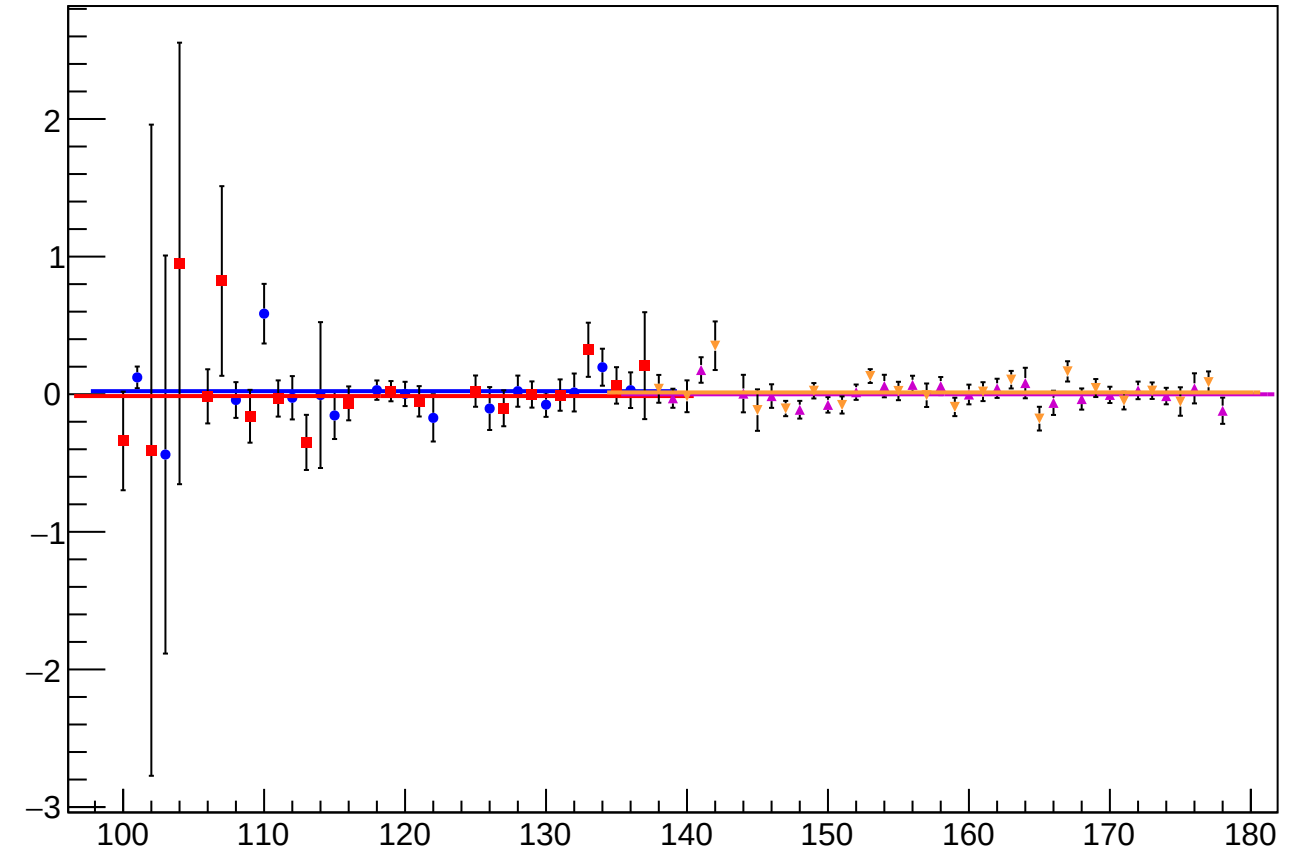
Left: 57.709+/-0.008 χ^2/NDF: 3098714.9/39

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 61.243+/-0.010 χ^2/NDF:3633969.1/35

Out: 59.420+/-0.010 χ^2/NDF:5179835.3/37

All: 60.339+/-0.007 χ^2/NDF: 8829908.2/73



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: -0.001+/-0.016 χ^2/NDF:14.8/19

Left: 0.006+/-0.011 χ^2/NDF: 48.3/39

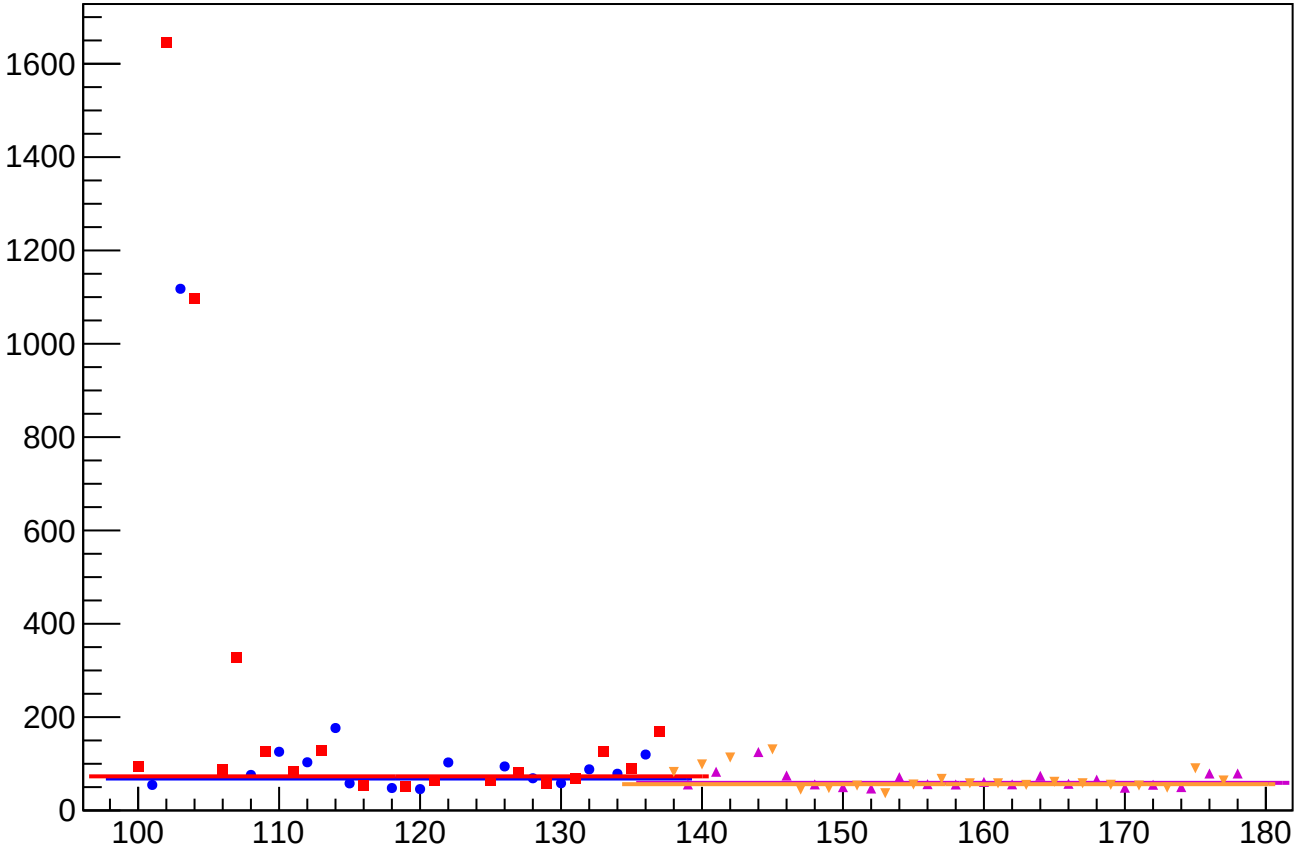
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.005+/-0.014 χ^2/NDF:30.1/35

Out: 0.008+/-0.014 χ^2/NDF:44.4/37

All: 0.006+/-0.010 χ^2/NDF: 74.5/73

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: 59.155+/-0.011 χ^2/NDF:1209191.4/19

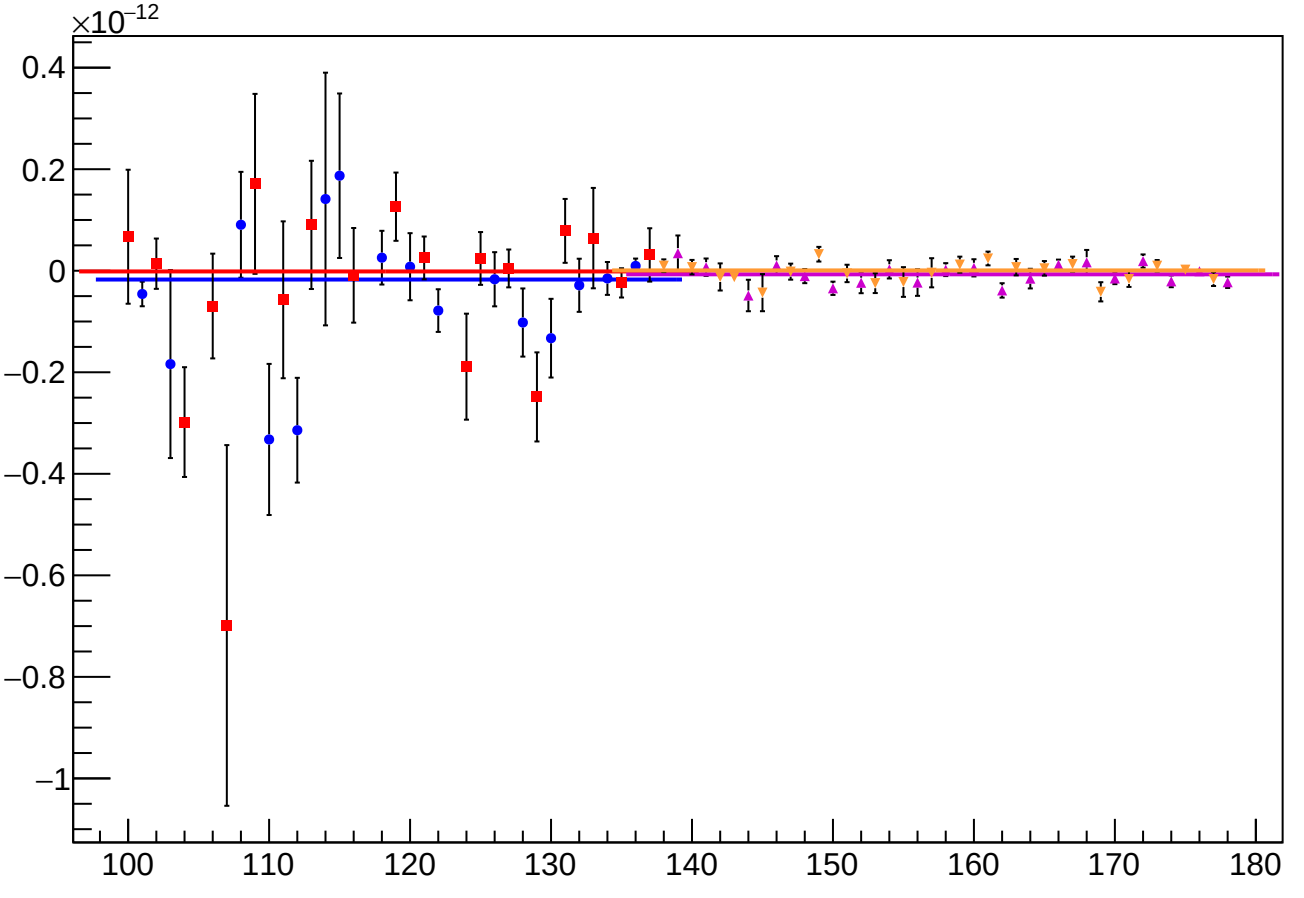
Left: 57.709+/-0.008 χ^2/NDF: 3098714.9/39

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 61.243+/-0.010 χ^2/NDF:3633969.1/35

Out: 59.420+/-0.010 χ^2/NDF:5179835.3/37

All: 60.339+/-0.007 χ^2/NDF: 8829908.2/73



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:29.8/19

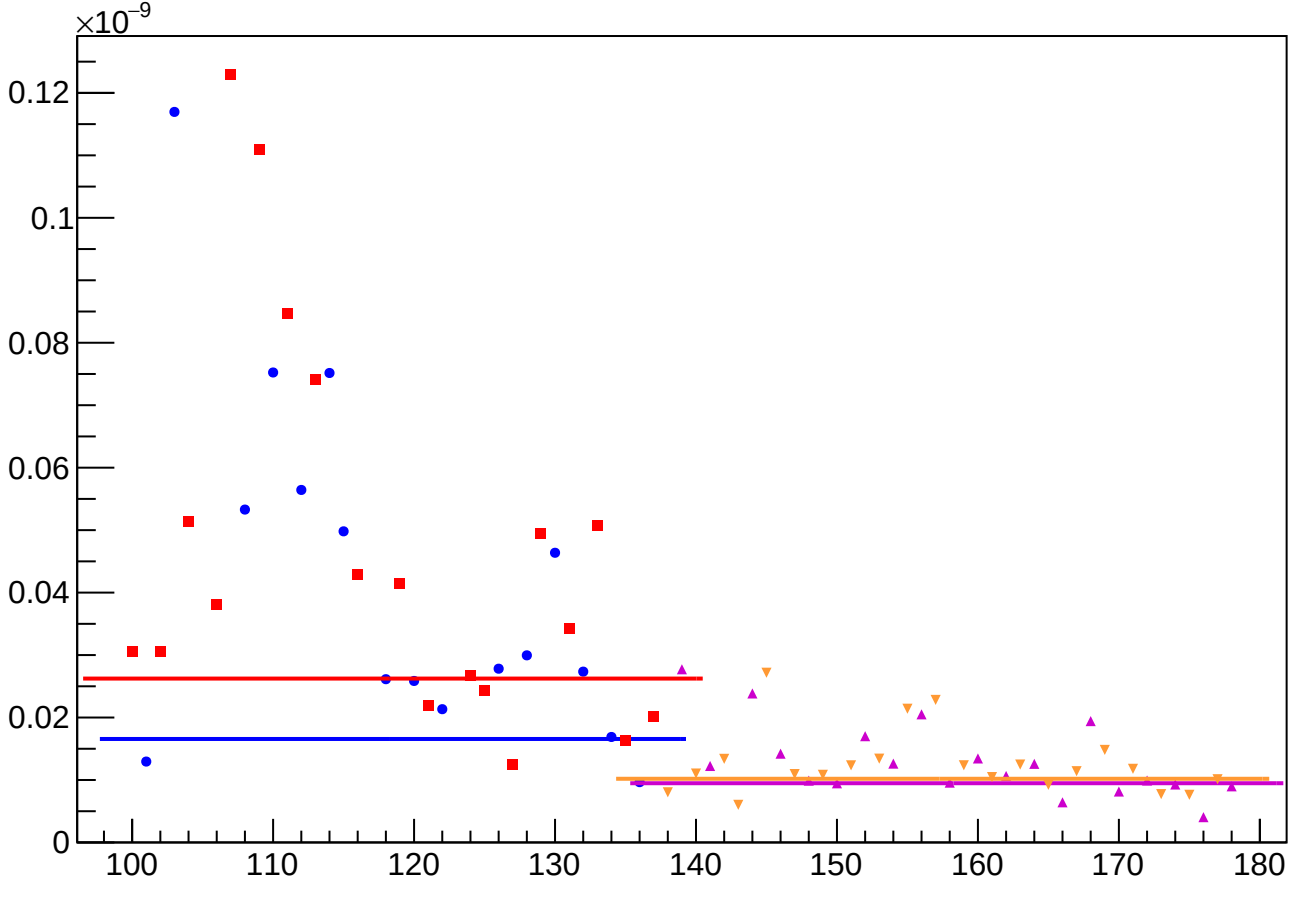
Left: -0.000+/-0.000 χ^2/NDF: 57.4/40

Right: -0.000+/-0.000 χ^2/NDF: 61.4/34

In: -0.000+/-0.000 χ^2/NDF:59.0/35

Out: 0.000+/-0.000 χ^2/NDF:56.9/39

All: -0.000+/-0.000 χ^2/NDF: 119.8/75



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:3669734.6/19

Left: 0.000+/-0.000 χ^2/NDF: 5907389.8/40

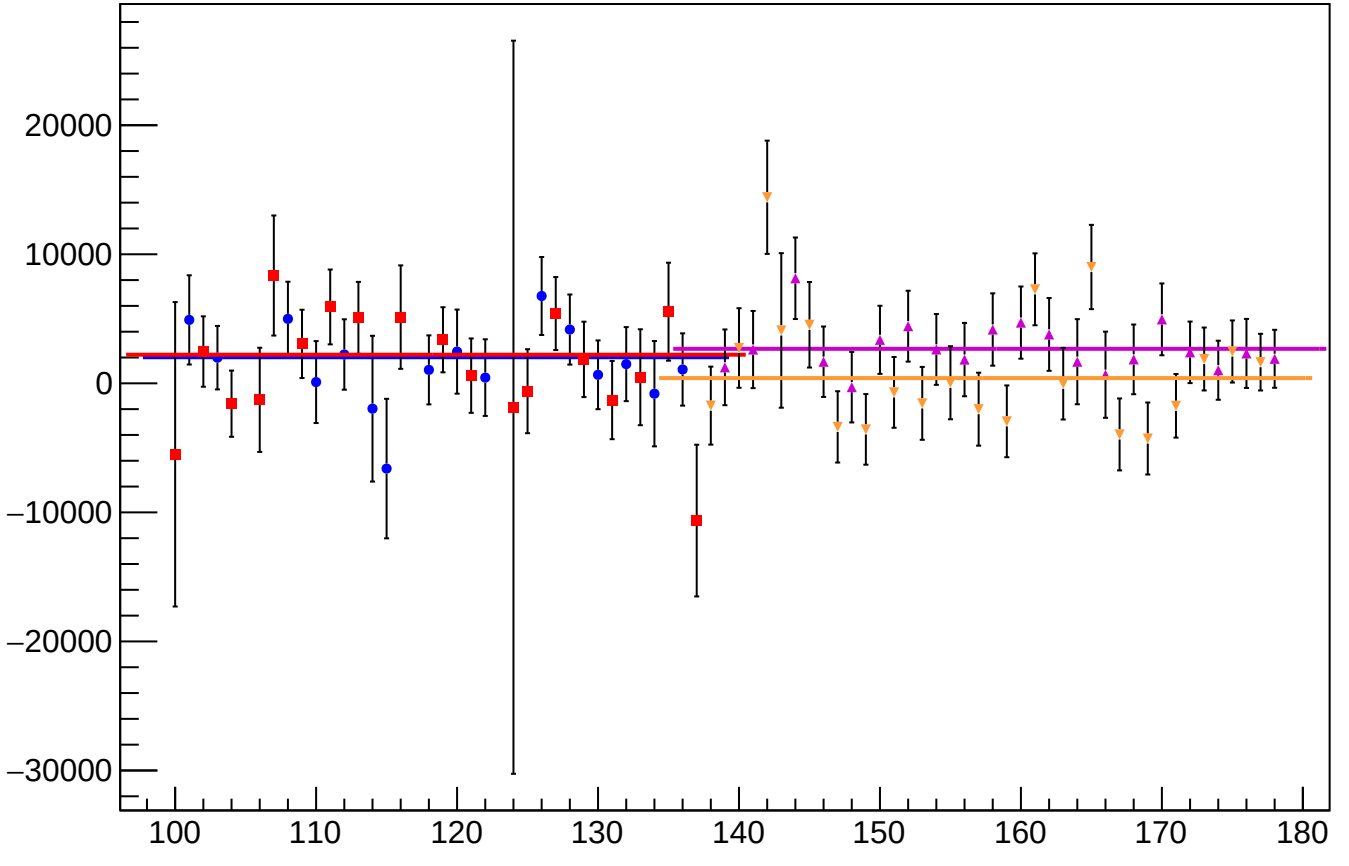
Right: 0.000+/-0.000 χ^2/NDF: 5786992.3/34

In: 0.000+/-0.000 χ^2/NDF:7409523.0/35

Out: 0.000+/-0.000 χ^2/NDF:6942298.1/39

All: 0.000+/-0.000 χ^2/NDF: 14430728.5/75

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: 2673.606+/-612.816 χ^2/NDF:8.0/19

Left: 1551.198+/-435.462 χ^2/NDF: 55.3/40

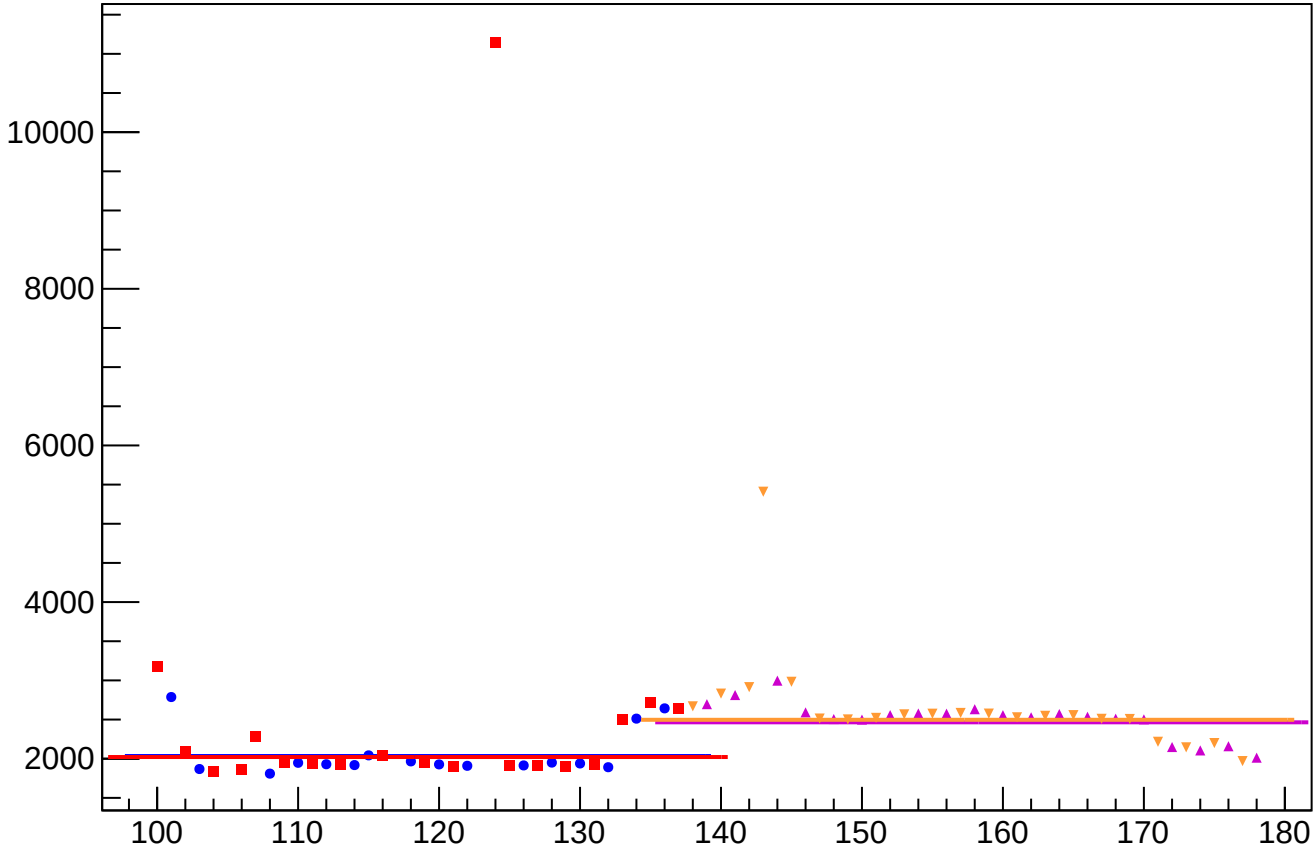
Right: 2121.027+/-537.553 χ^2/NDF: 27.8/34

In: 2418.917+/-478.123 χ^2/NDF:18.0/35

Out: 1132.870+/-478.928 χ^2/NDF:62.1/39

All: 1776.976+/-338.368 χ^2/NDF: 83.7/75

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: 2464.745+/-0.433 χ^2/NDF:315461.0/19

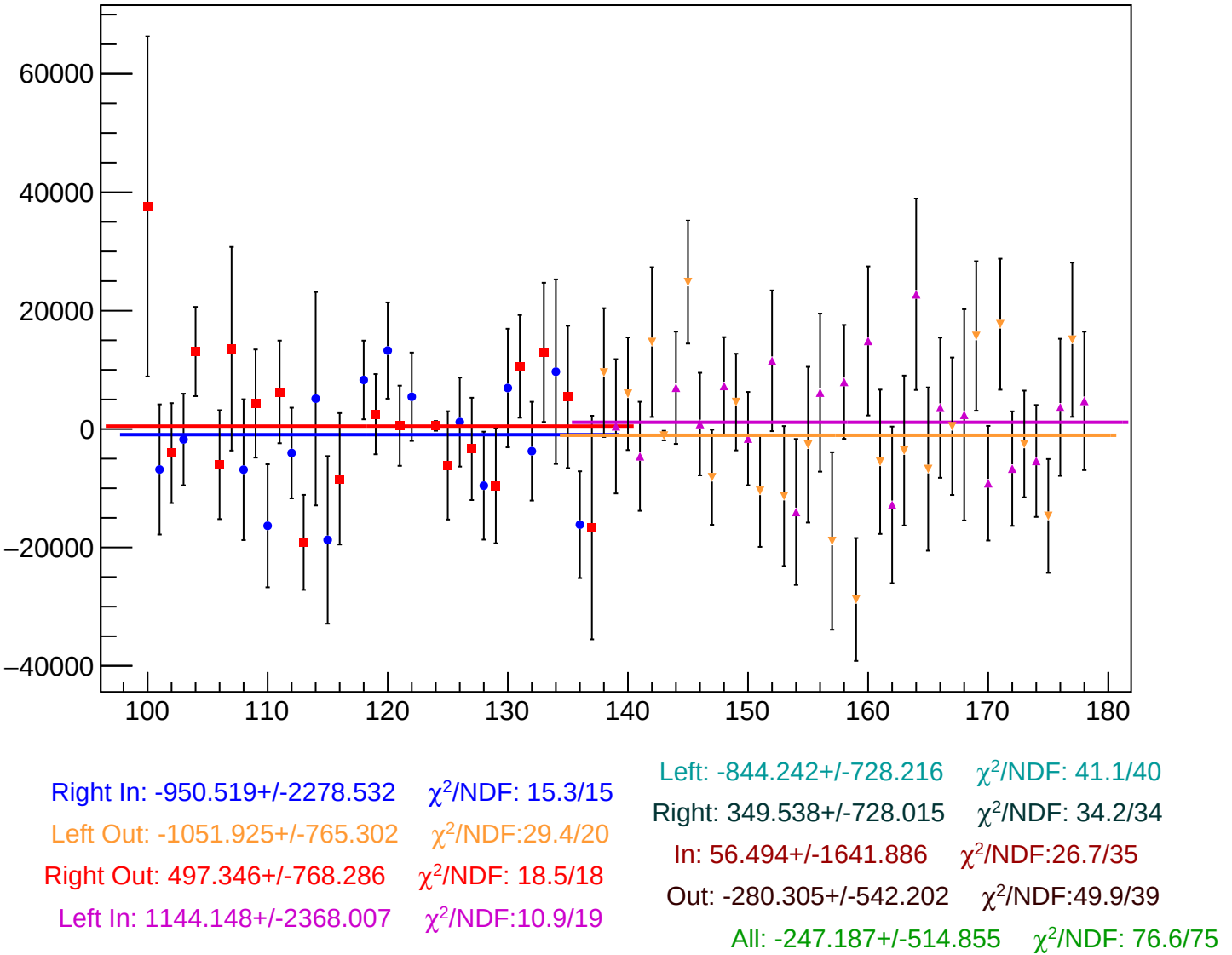
Left: 2480.663+/-0.308 χ^2/NDF: 1103994.0/40

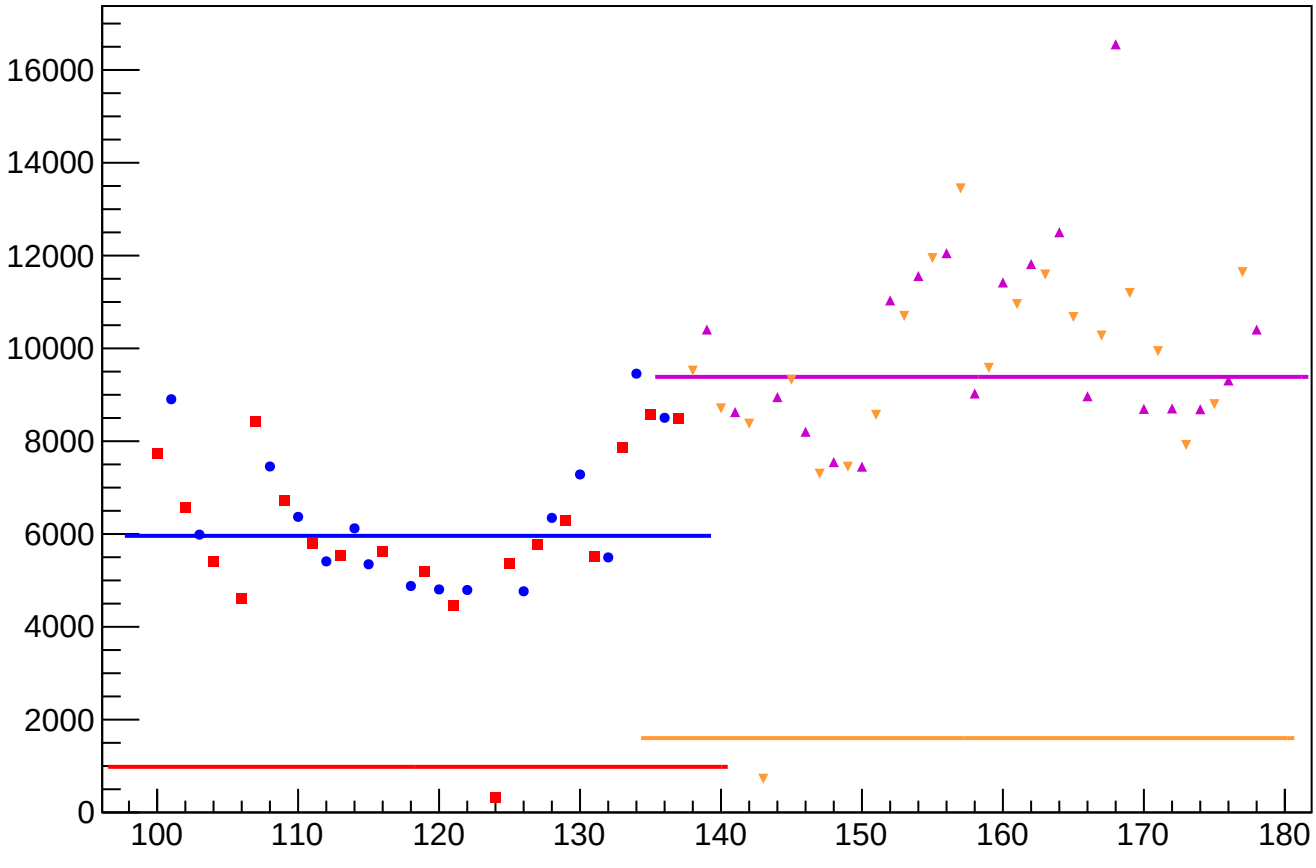
Right: 2027.784+/-0.380 χ^2/NDF: 653557.3/34

In: 2296.266+/-0.338 χ^2/NDF:964767.8/35

Out: 2306.198+/-0.339 χ^2/NDF:1649453.6/39

All: 2301.223+/-0.239 χ^2/NDF: 2614652.1/75


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: 1144.148+/-2368.007 χ²/NDF:10.9/19
Left: -844.242+/-728.216 χ²/NDF: 41.1/40
Right: 349.538+/-728.015 χ²/NDF: 34.2/34
In: 56.494+/-1641.886 χ²/NDF:26.7/35
Out: -280.305+/-542.202 χ²/NDF:49.9/39
All: -247.187+/-514.855 χ²/NDF: 76.6/75



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: 9386.245+/-1.674 χ^2/NDF:1039514.7/19

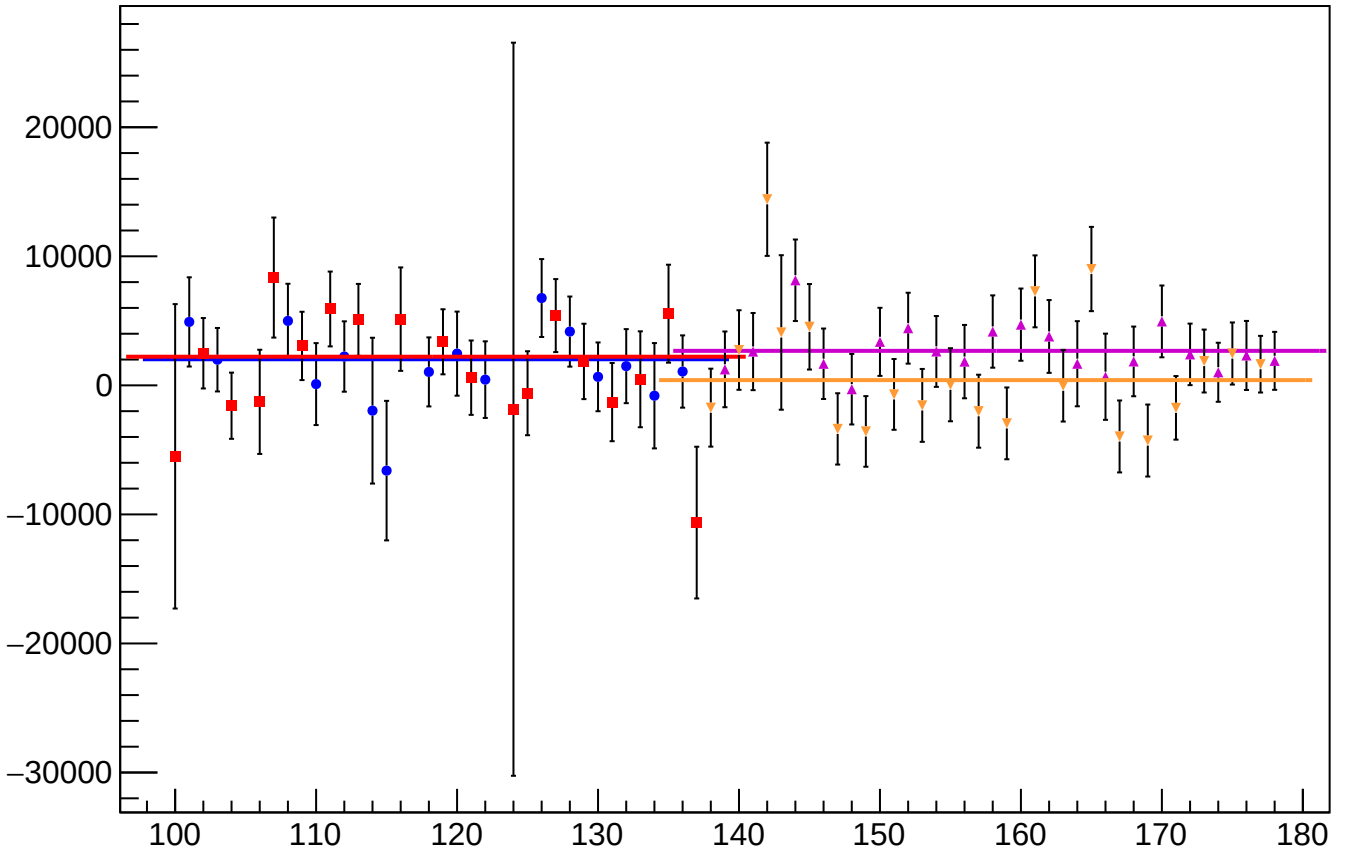
Left: 2337.590+/-0.515 χ^2/NDF: 44778068.1/40

Right: 1491.453+/-0.515 χ^2/NDF: 20675824.3/34

In: 7607.587+/-1.161 χ^2/NDF:3901850.8/35

Out: 1293.547+/-0.383 χ^2/NDF:36233520.9/39

All: 1914.405+/-0.364 χ^2/NDF: 66804349.5/7



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: 2673.562+/-612.816 χ^2/NDF:8.0/19

Left: 1551.149+/-435.462 χ^2/NDF: 55.3/40

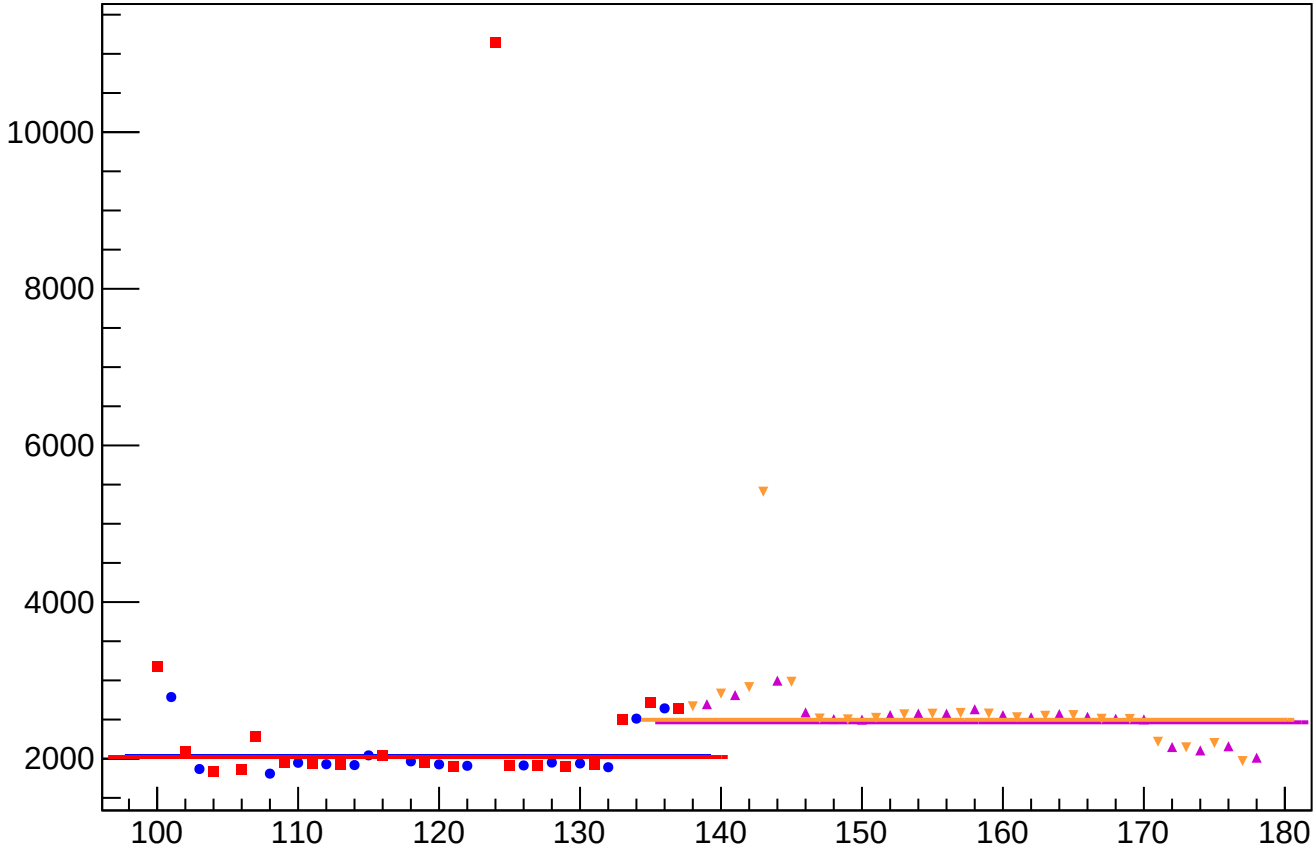
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2418.939+/-478.123 χ^2/NDF:18.0/35

Out: 1133.567+/-478.930 χ^2/NDF:62.1/39

All: 1777.337+/-338.369 χ^2/NDF: 83.8/75

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: 2464.745+/-0.433 χ^2/NDF:315461.0/19

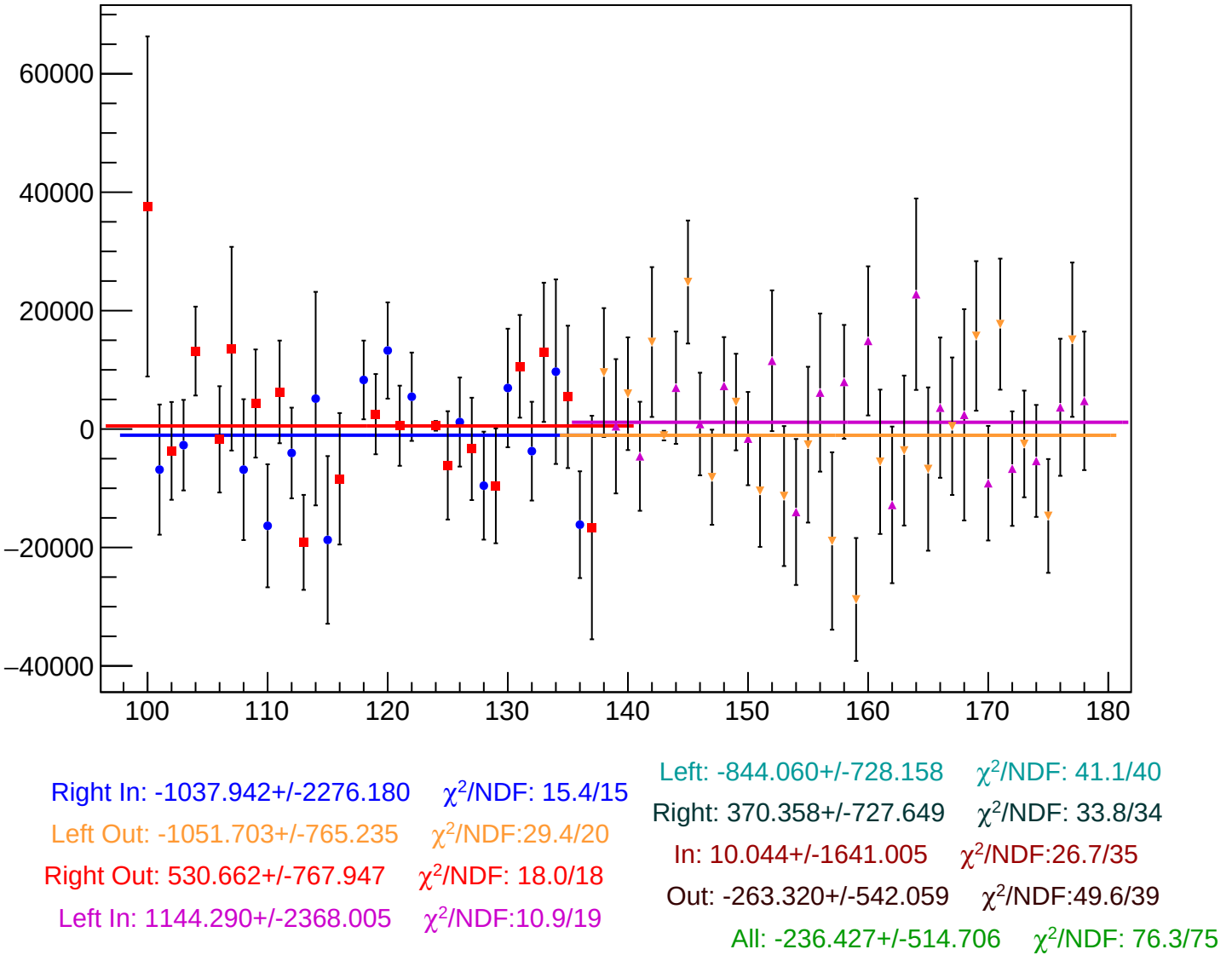
Left: 2480.663+/-0.308 χ^2/NDF: 1103994.0/40

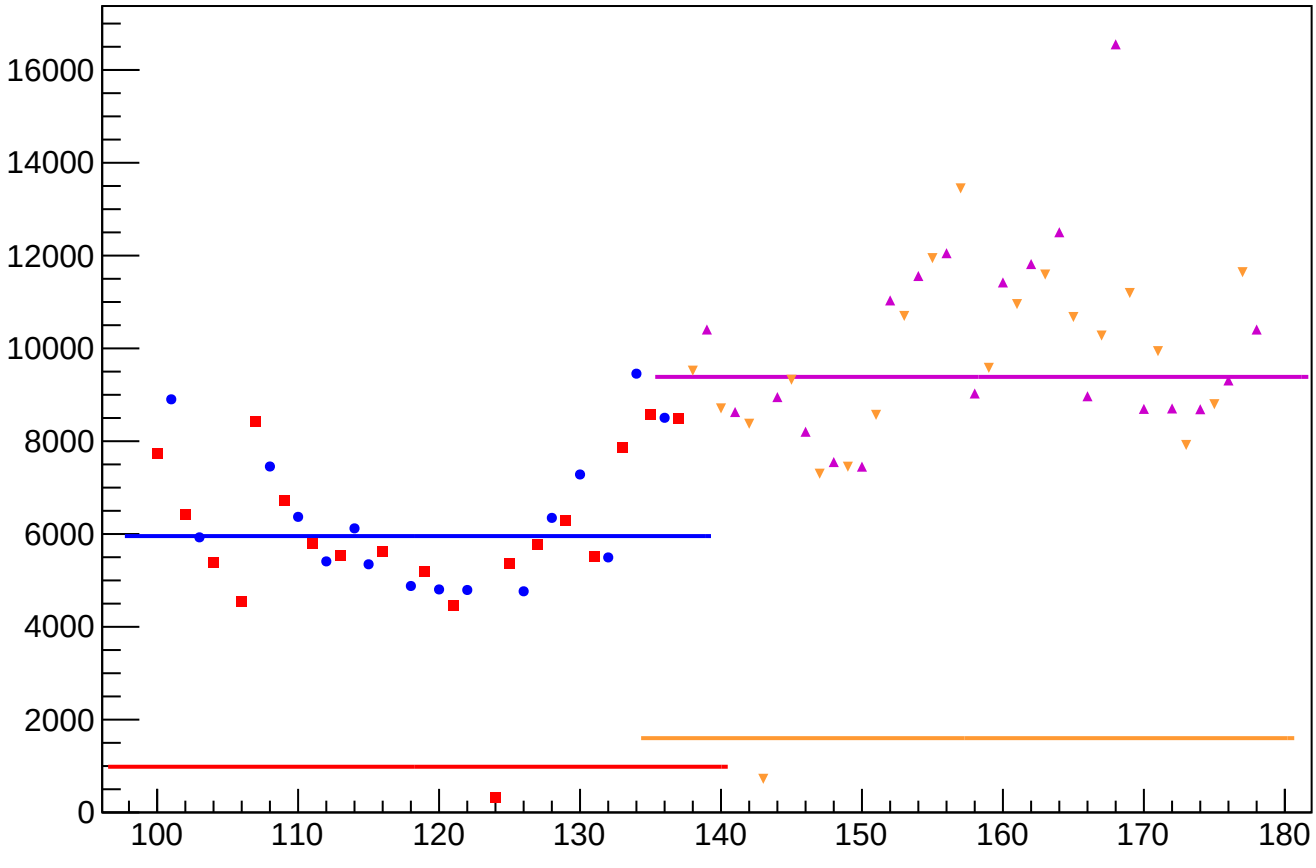
Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2296.266+/-0.338 χ^2/NDF:964767.9/35

Out: 2306.208+/-0.339 χ^2/NDF:1649416.7/39

All: 2301.229+/-0.239 χ^2/NDF: 2614616.3/75


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: 1144.290+/-2368.005 χ²/NDF:10.9/19
Left: -844.060+/-728.158 χ²/NDF: 41.1/40
Right: 370.358+/-727.649 χ²/NDF: 33.8/34
In: 10.044+/-1641.005 χ²/NDF:26.7/35
Out: -263.320+/-542.059 χ²/NDF:49.6/39
All: -236.427+/-514.706 χ²/NDF: 76.3/75



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: 9386.235+/-1.674 χ^2/NDF:1039521.6/19

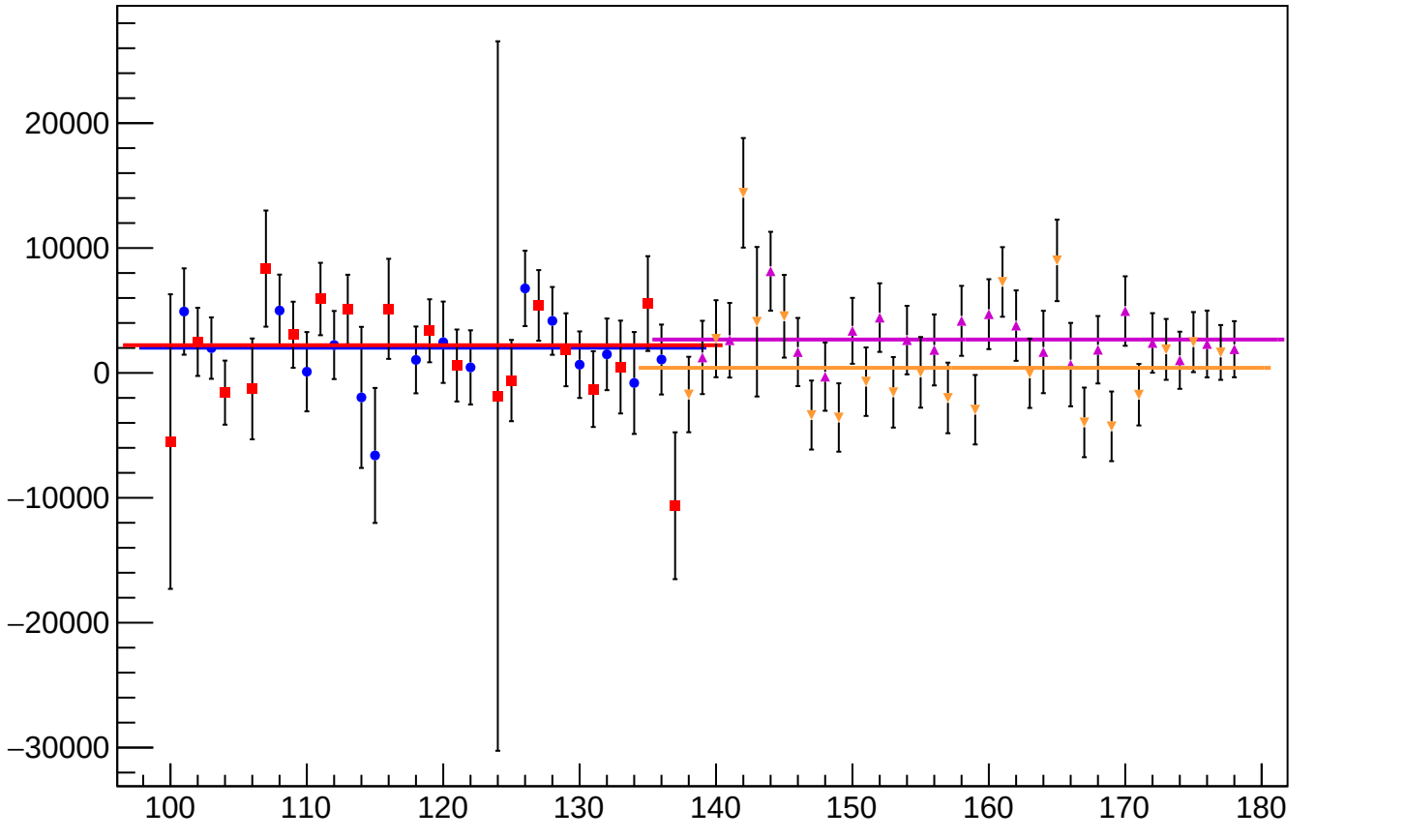
Left: 2337.280+/-0.515 χ^2/NDF: 44780288.9/40

Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 7603.134+/-1.160 χ^2/NDF:3910441.2/35

Out: 1294.191+/-0.383 χ^2/NDF:36226767.0/39

All: 1914.853+/-0.364 χ^2/NDF: 66790323.5/7



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: 2673.562+/-612.816 χ^2/NDF:8.0/19

Left: 1551.149+/-435.462 χ^2/NDF: 55.3/40

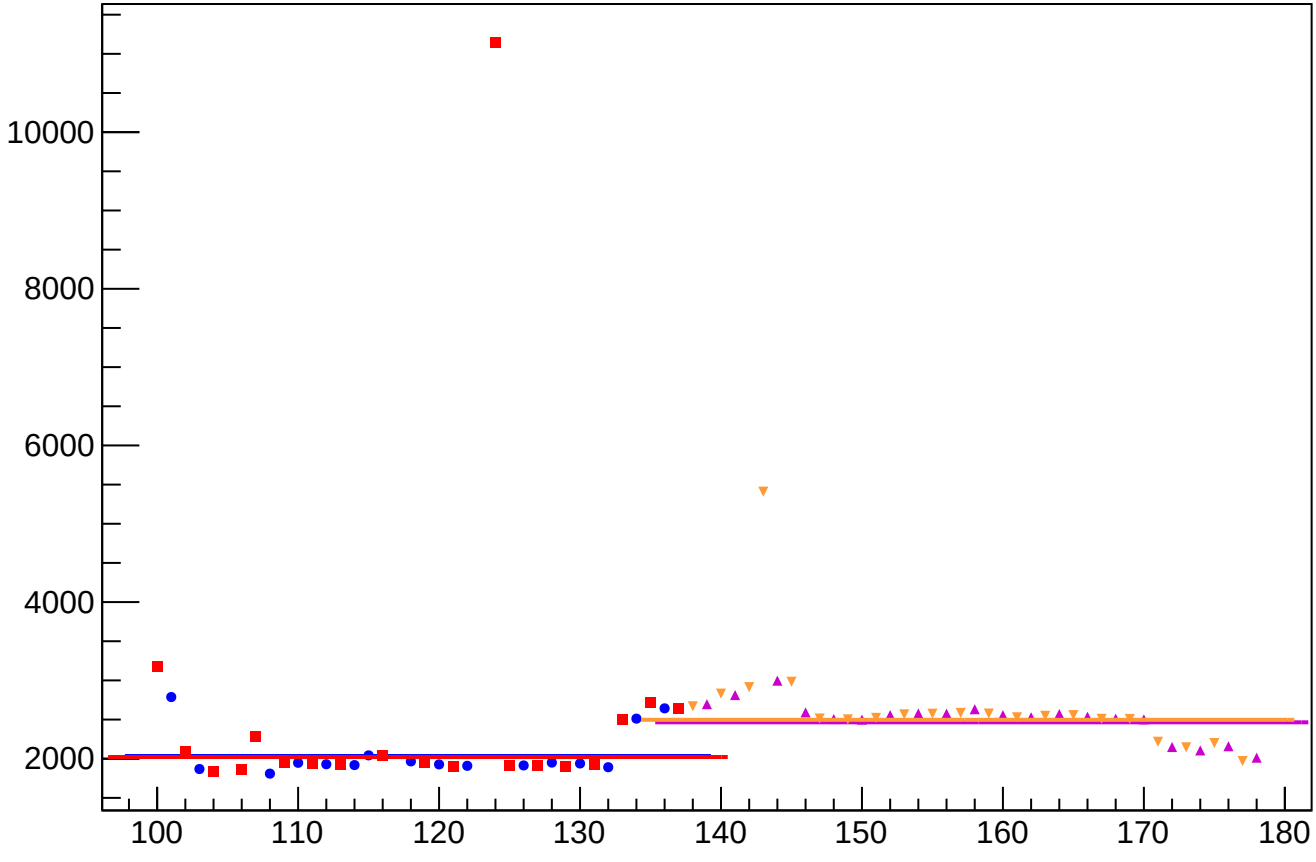
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2418.939+/-478.123 χ^2/NDF:18.0/35

Out: 1133.567+/-478.930 χ^2/NDF:62.1/39

All: 1777.337+/-338.369 χ^2/NDF: 83.8/75

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: 2464.745+/-0.433 χ^2/NDF:315461.0/19

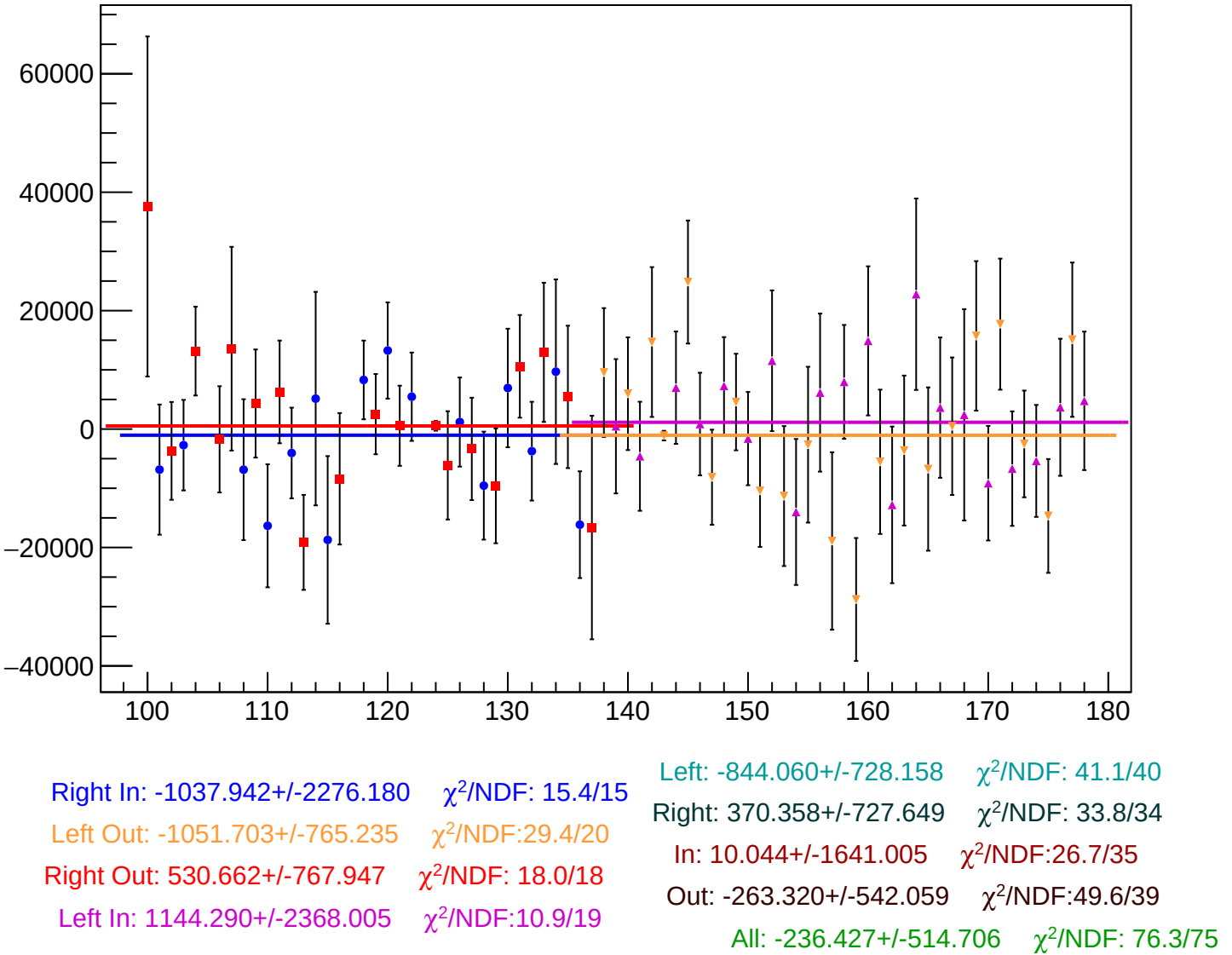
Left: 2480.663+/-0.308 χ^2/NDF: 1103994.0/40

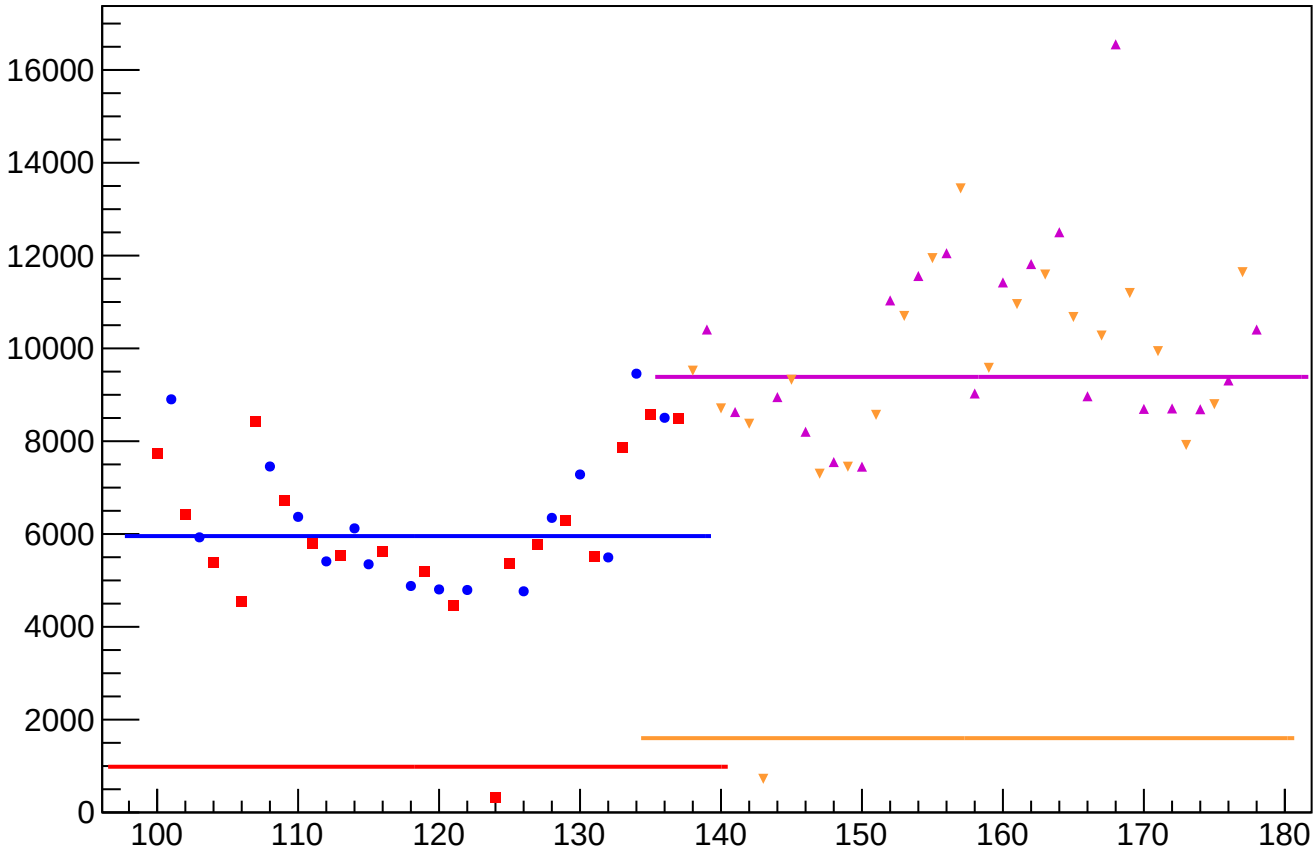
Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2296.266+/-0.338 χ^2/NDF:964767.9/35

Out: 2306.208+/-0.339 χ^2/NDF:1649416.7/39

All: 2301.229+/-0.239 χ^2/NDF: 2614616.3/75


asym_atl2_eigen_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: 1144.290+/-2368.005 χ²/NDF:10.9/19
Left: -844.060+/-728.158 χ²/NDF: 41.1/40
Right: 370.358+/-727.649 χ²/NDF: 33.8/34
In: 10.044+/-1641.005 χ²/NDF:26.7/35
Out: -263.320+/-542.059 χ²/NDF:49.6/39
All: -236.427+/-514.706 χ²/NDF: 76.3/75



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: 9386.235+/-1.674 χ^2/NDF:1039521.6/19

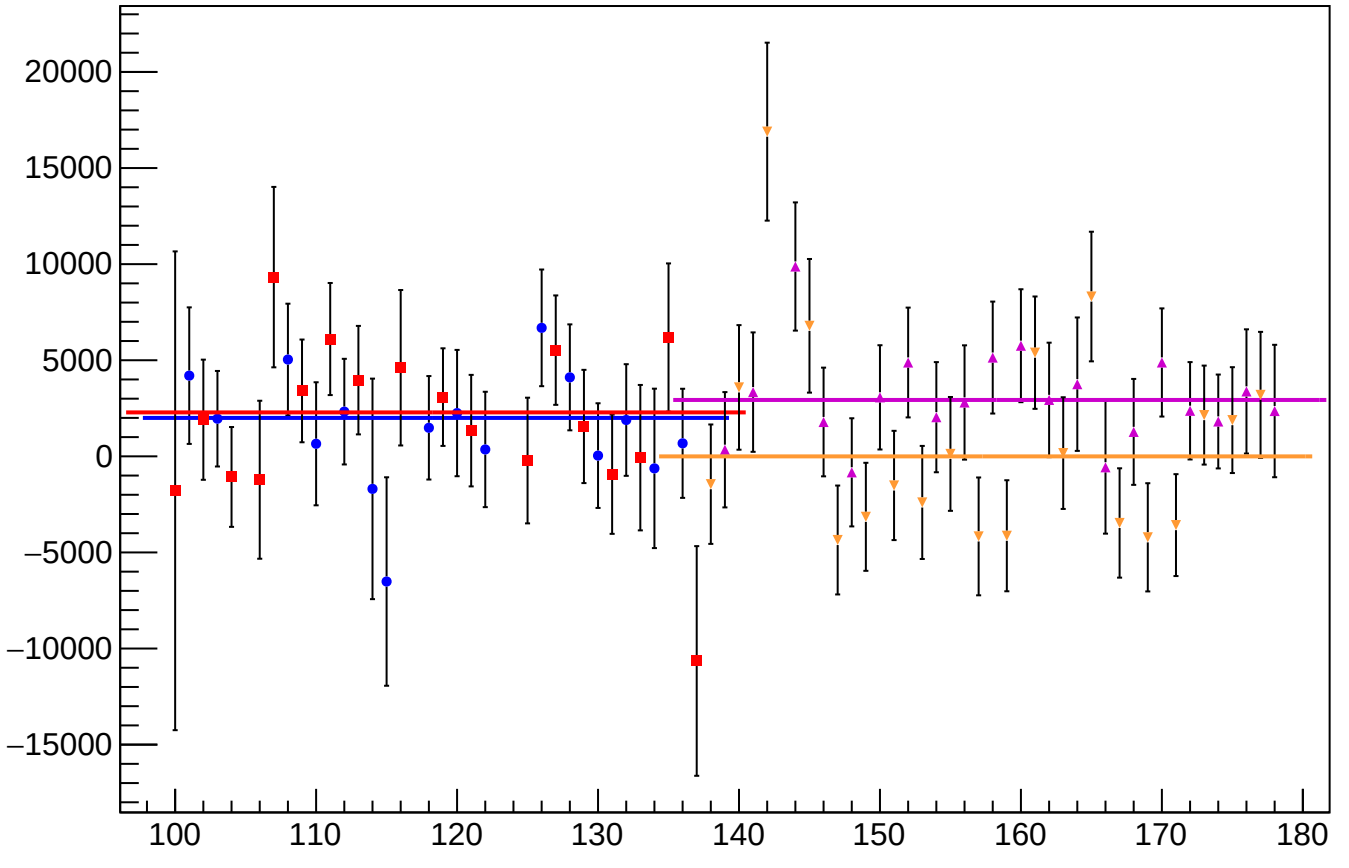
Left: 2337.280+/-0.515 χ^2/NDF: 44780288.9/40

Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

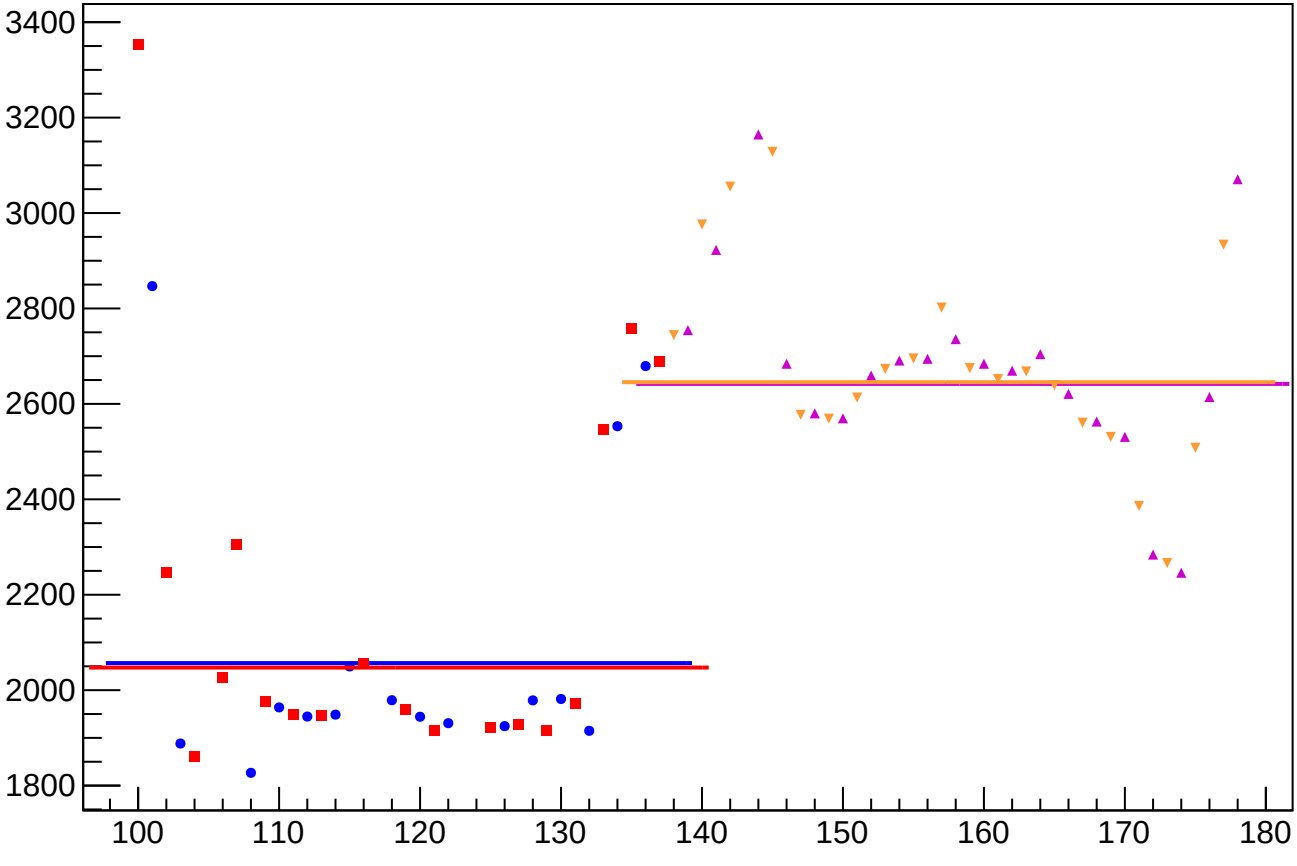
In: 7603.134+/-1.160 χ^2/NDF:3910441.2/35

Out: 1294.191+/-0.383 χ^2/NDF:36226767.0/39

All: 1914.853+/-0.364 χ^2/NDF: 66790323.5/7


dit_asym_atl2_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 1999.214+/-773.538 χ²/NDF: 9.0/15
Left Out: -2.512+/-666.666 χ²/NDF:44.2/19
Right Out: 2285.899+/-771.299 χ²/NDF: 16.7/17
Left In: 2933.514+/-655.937 χ²/NDF:11.4/19
Left: 1489.317+/-467.565 χ²/NDF: 65.4/39
Right: 2142.972+/-546.180 χ²/NDF: 25.7/33
In: 2542.710+/-500.285 χ²/NDF:21.2/35
Out: 976.056+/-504.372 χ²/NDF:65.9/37
All: 1765.757+/-355.191 χ²/NDF: 91.9/73

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: 2641.877+/-0.464 χ^2/NDF:204098.4/19

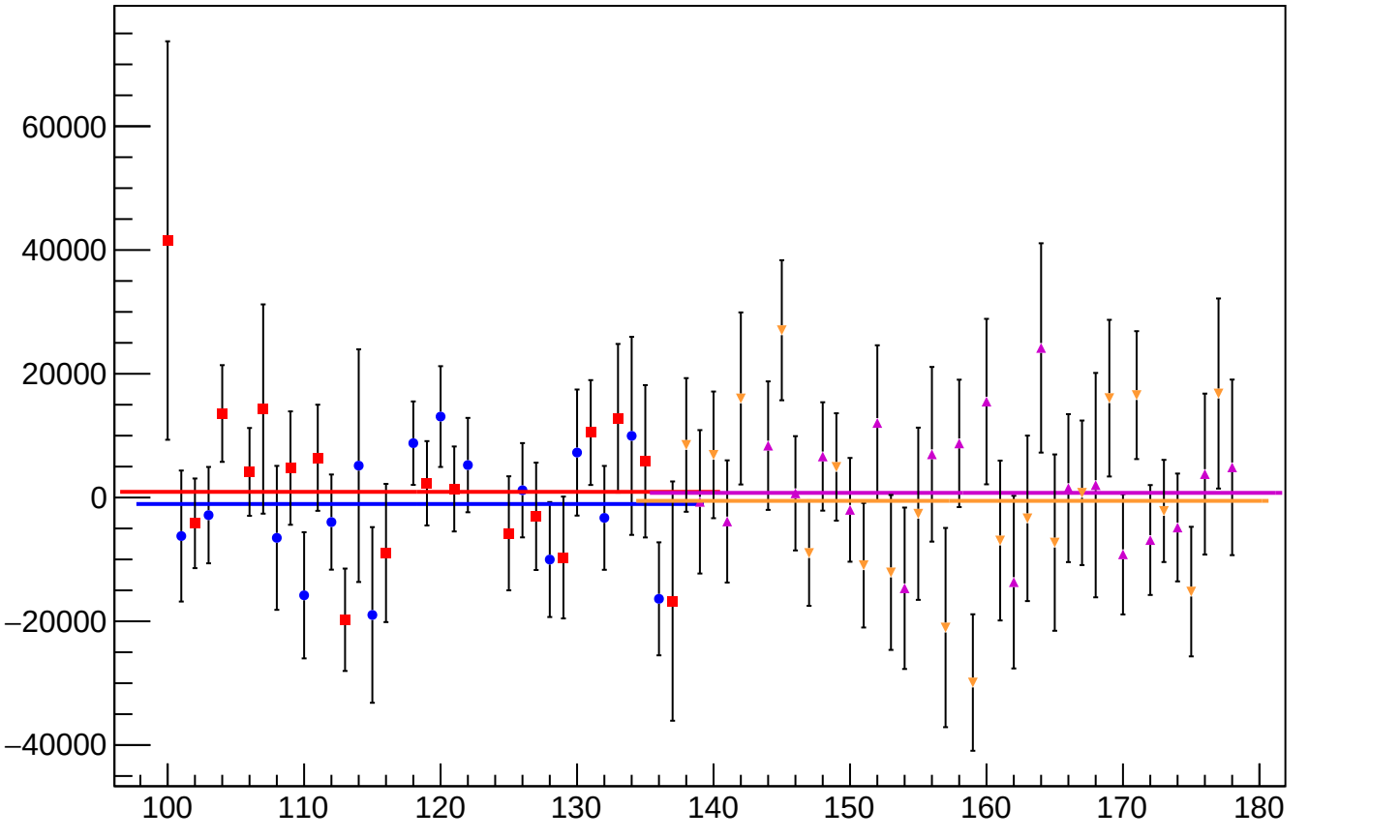
Left: 2643.674+/-0.331 χ^2/NDF: 378392.1/39

Right: 2052.077+/-0.386 χ^2/NDF: 467125.7/33

In: 2397.146+/-0.354 χ^2/NDF:1140148.6/35

Out: 2389.316+/-0.356 χ^2/NDF:1060408.2/37

All: 2393.260+/-0.251 χ^2/NDF: 2200800.0/73



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: 756.033+/-2467.746 χ^2/NDF:10.9/19

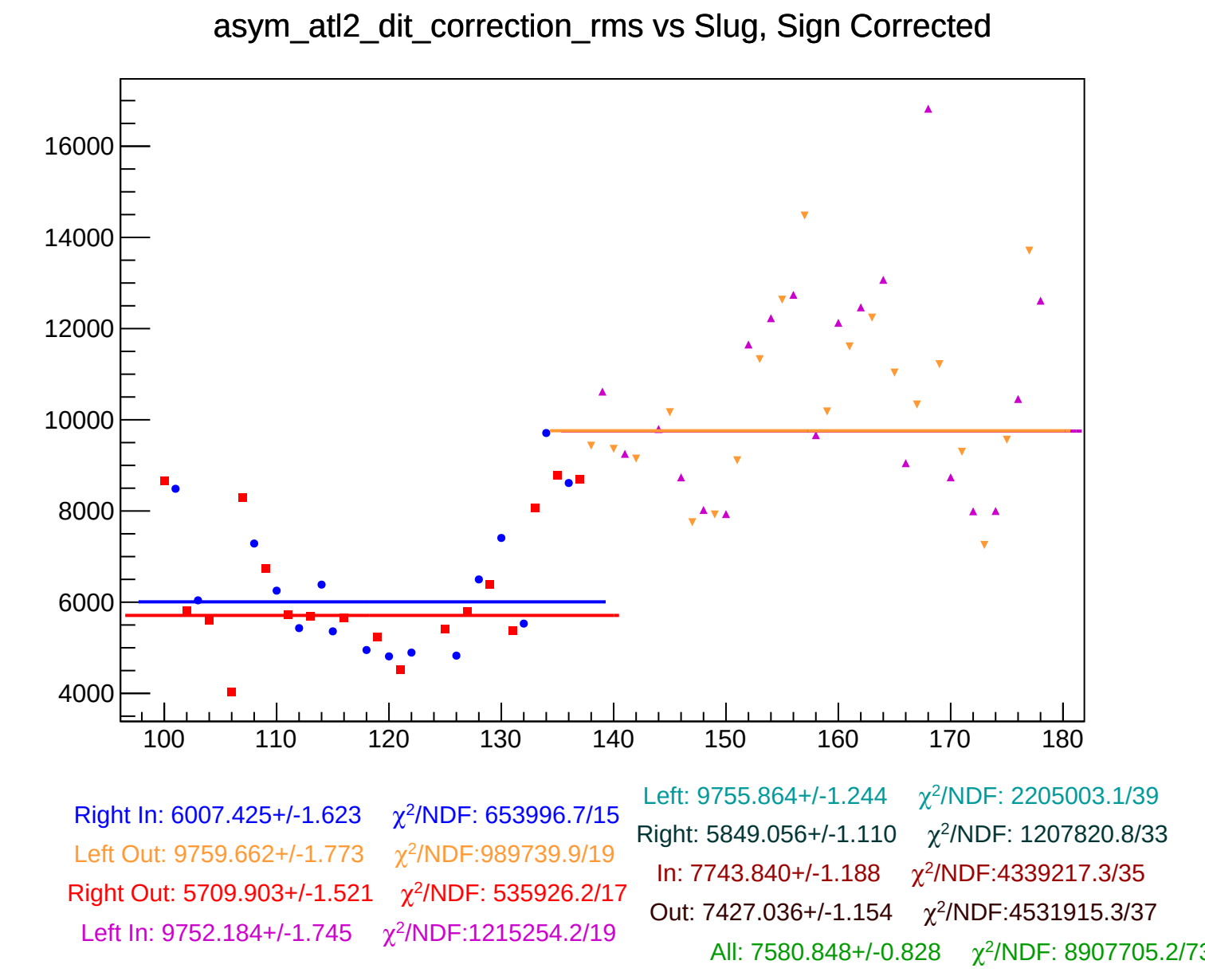
Left: 119.946+/-1758.645 χ^2/NDF: 39.9/39

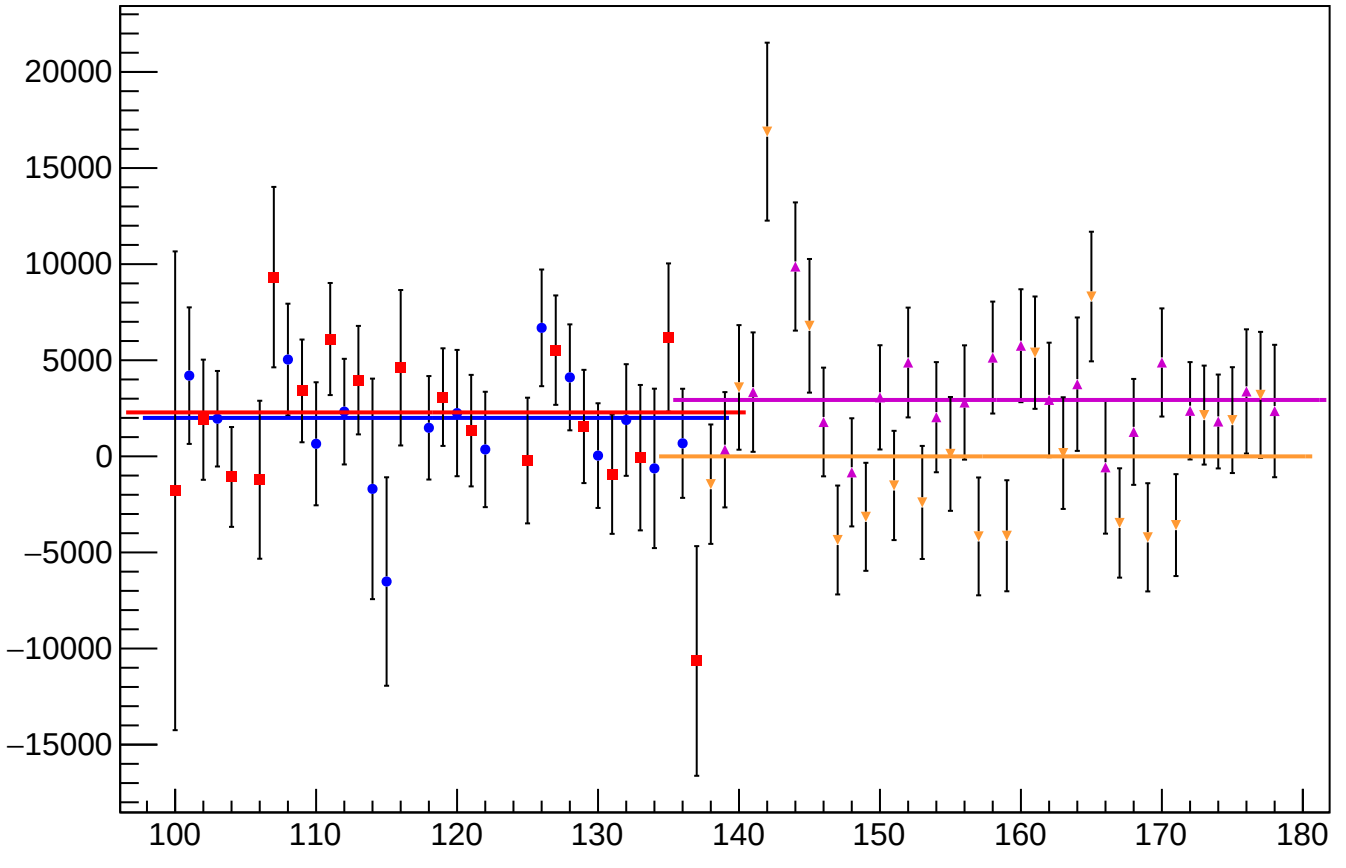
Right: 1.940+/-1569.260 χ^2/NDF: 34.1/33

In: -208.542+/-1680.410 χ^2/NDF:26.5/35

Out: 302.240+/-1632.402 χ^2/NDF:47.4/37

All: 54.249+/-1170.887 χ^2/NDF: 73.9/73


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: 9752.184+/-1.745 χ²/NDF:1215254.2/19
Left: 9755.864+/-1.244 χ²/NDF: 2205003.1/39
Right: 5849.056+/-1.110 χ²/NDF: 1207820.8/33
In: 7743.840+/-1.188 χ²/NDF:4339217.3/35
Out: 7427.036+/-1.154 χ²/NDF:4531915.3/37
All: 7580.848+/-0.828 χ²/NDF: 8907705.2/73



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: 2933.515+/-655.938 χ^2/NDF:11.4/19

Left: 1489.313+/-467.565 χ^2/NDF: 65.4/39

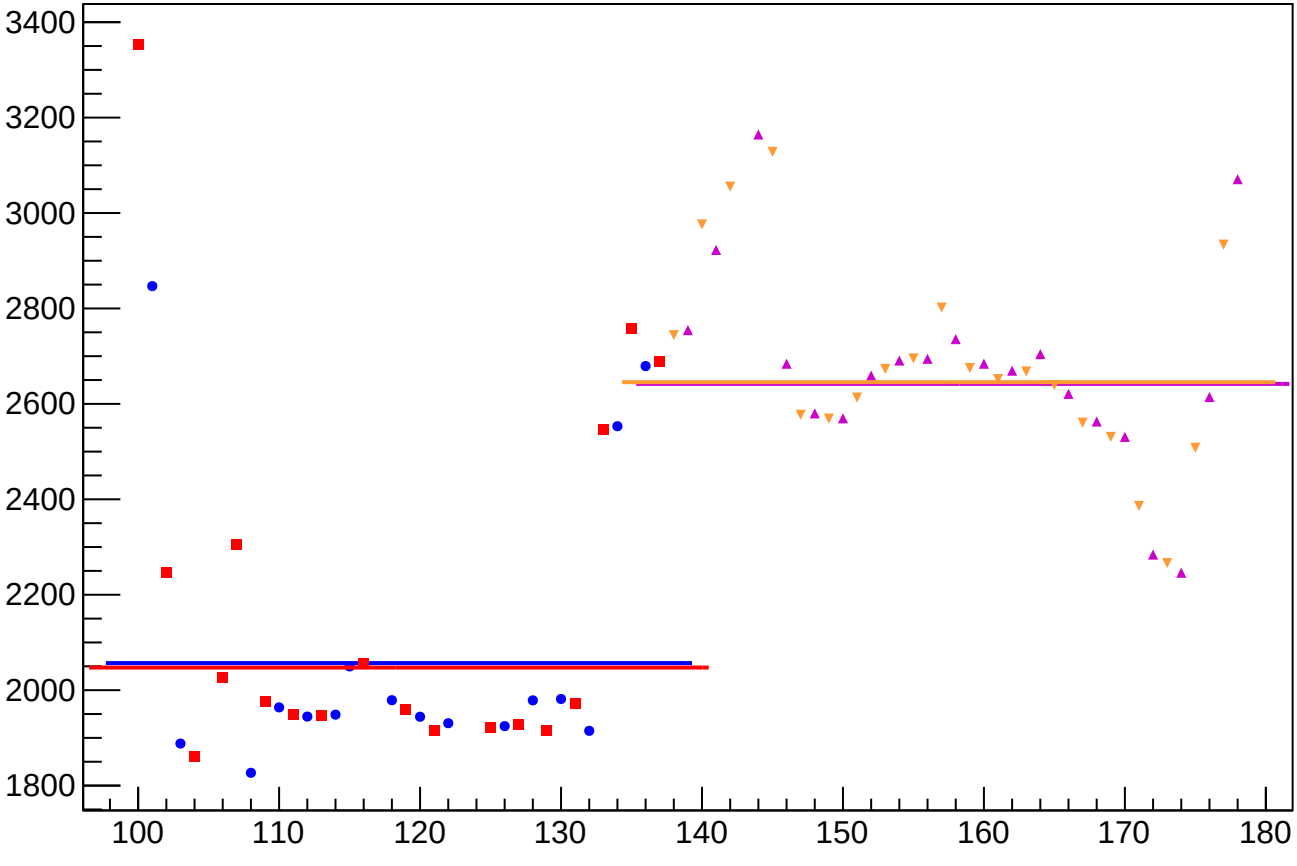
Right: 2142.976+/-546.180 χ^2/NDF: 25.7/33

In: 2542.713+/-500.285 χ^2/NDF:21.2/35

Out: 976.055+/-504.372 χ^2/NDF:65.9/37

All: 1765.757+/-355.191 χ^2/NDF: 91.9/73

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: 2641.879+/-0.464 χ^2/NDF:204107.4/19

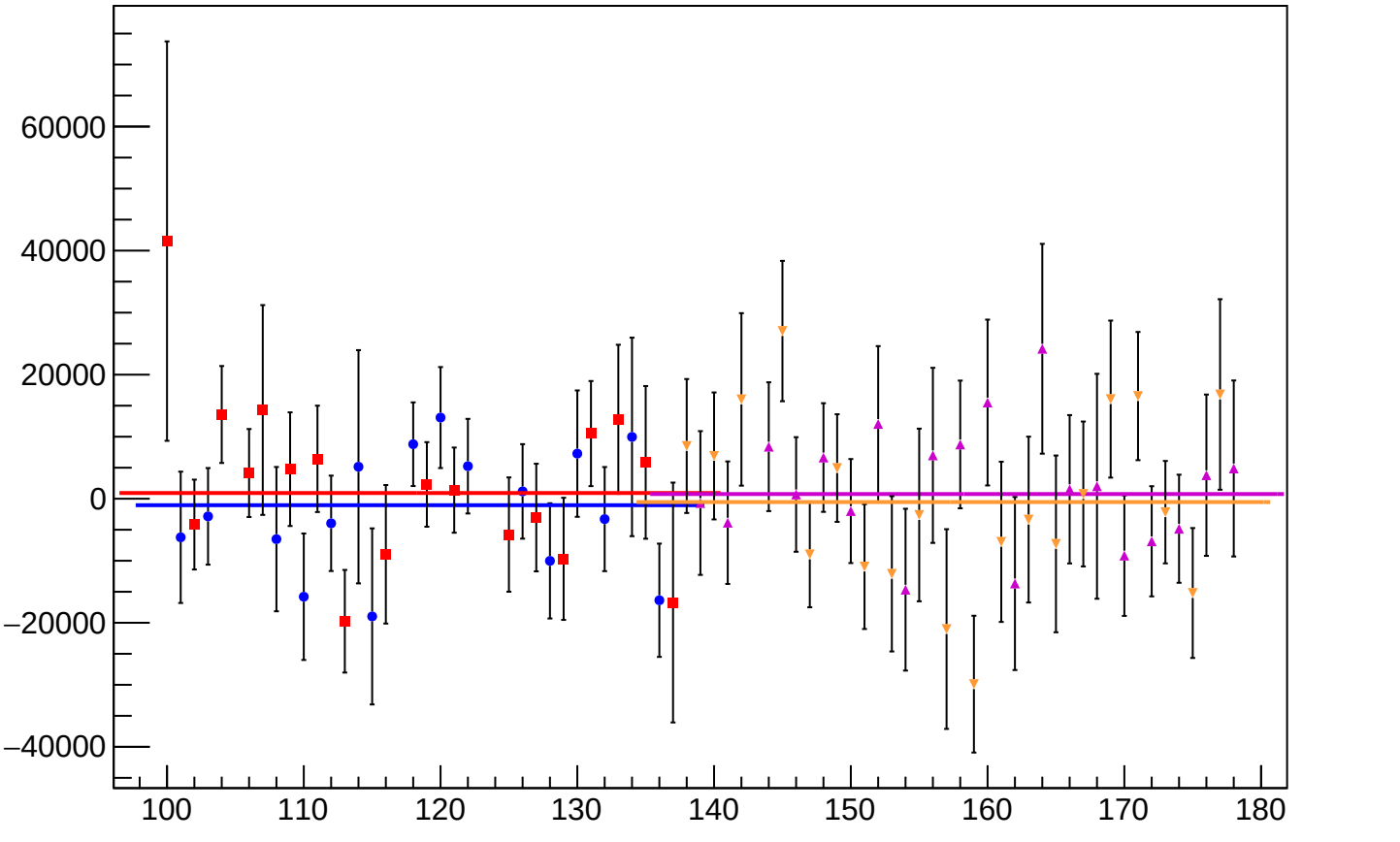
Left: 2643.675+/-0.331 χ^2/NDF: 378409.8/39

Right: 2052.077+/-0.386 χ^2/NDF: 467125.9/33

In: 2397.147+/-0.354 χ^2/NDF:1140160.3/35

Out: 2389.316+/-0.356 χ^2/NDF:1060420.1/37

All: 2393.261+/-0.251 χ^2/NDF: 2200823.6/73



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: 756.035+/-2467.750 χ^2/NDF:10.9/19

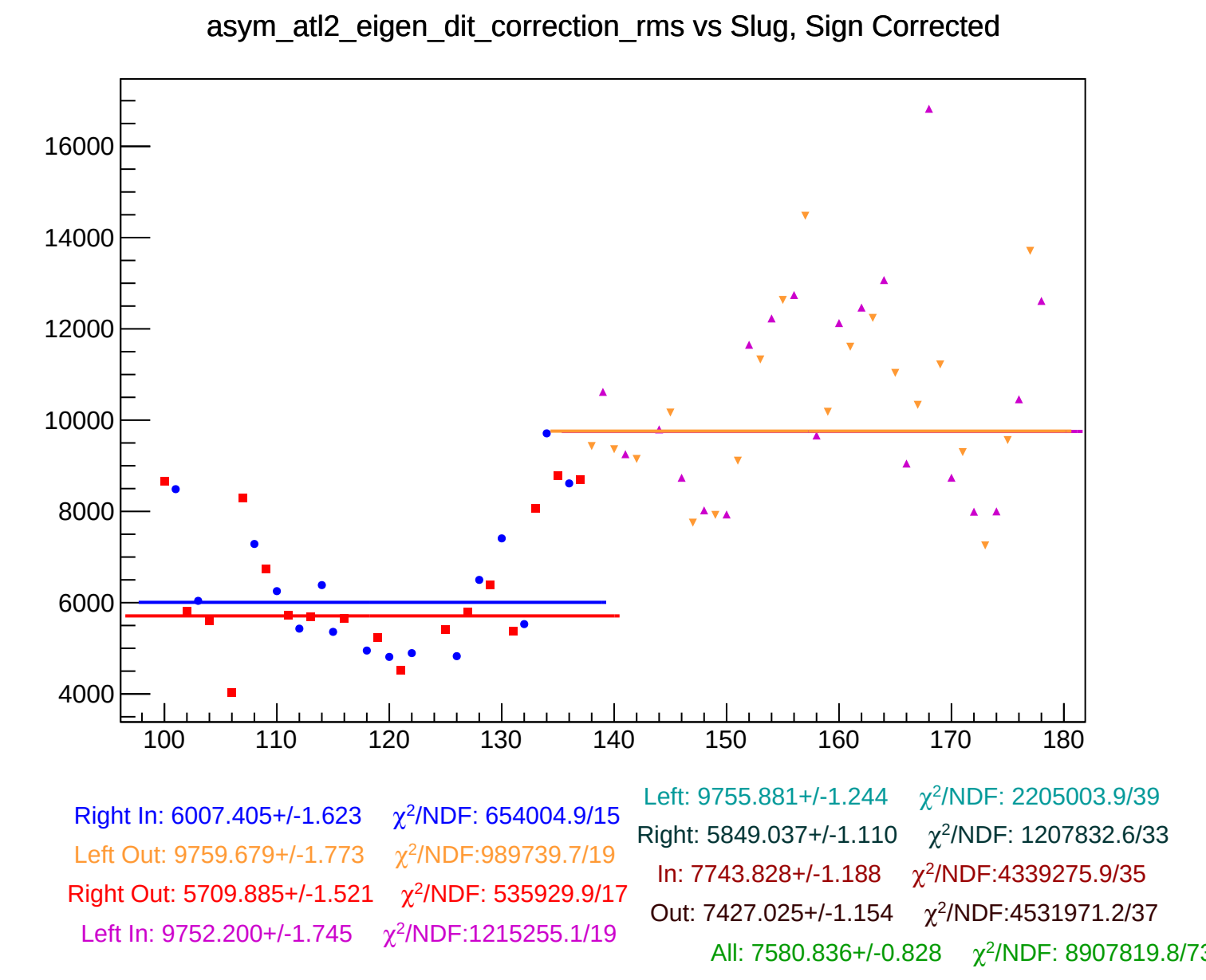
Left: 119.943+/-1758.648 χ^2/NDF: 39.9/39

Right: 1.948+/-1569.255 χ^2/NDF: 34.1/33

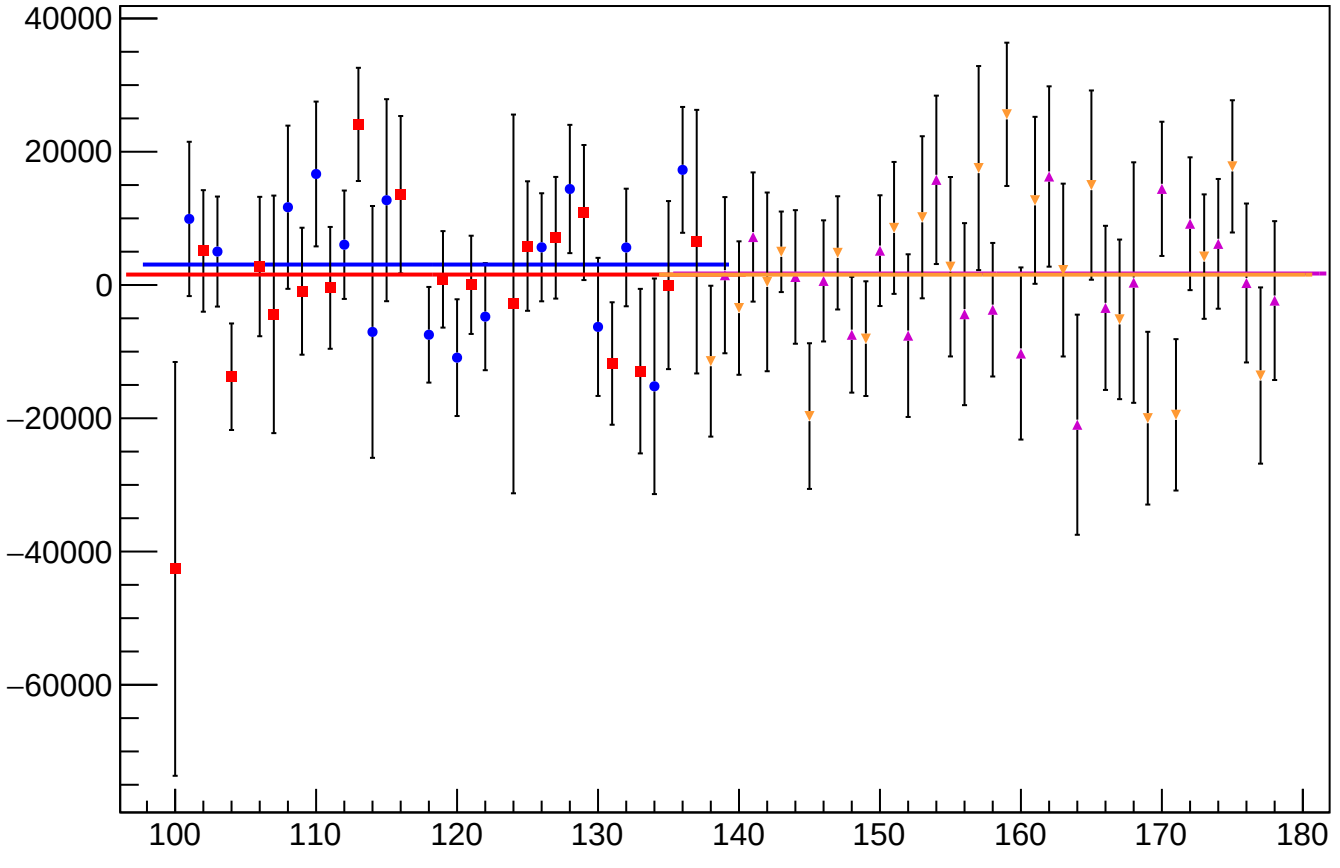
In: -208.539+/-1680.409 χ^2/NDF:26.5/35

Out: 302.242+/-1632.400 χ^2/NDF:47.4/37

All: 54.252+/-1170.886 χ^2/NDF: 73.9/73


asym_atl2_eigen_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: 6007.405+/-1.623 χ²/NDF: 654004.9/15
Left Out: 9759.679+/-1.773 χ²/NDF:989739.7/19
Right Out: 5709.885+/-1.521 χ²/NDF: 535929.9/17
Left In: 9752.200+/-1.745 χ²/NDF:1215255.1/19
Left: 9755.881+/-1.244 χ²/NDF: 2205003.9/39
Right: 5849.037+/-1.110 χ²/NDF: 1207832.6/33
In: 7743.828+/-1.188 χ²/NDF:4339275.9/35
Out: 7427.025+/-1.154 χ²/NDF:4531971.2/37
All: 7580.836+/-0.828 χ²/NDF: 8907819.8/73

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: 1723.347+/-2459.504 χ^2/NDF:10.5/19

Left: 1634.831+/-1684.507 χ^2/NDF: 37.0/40

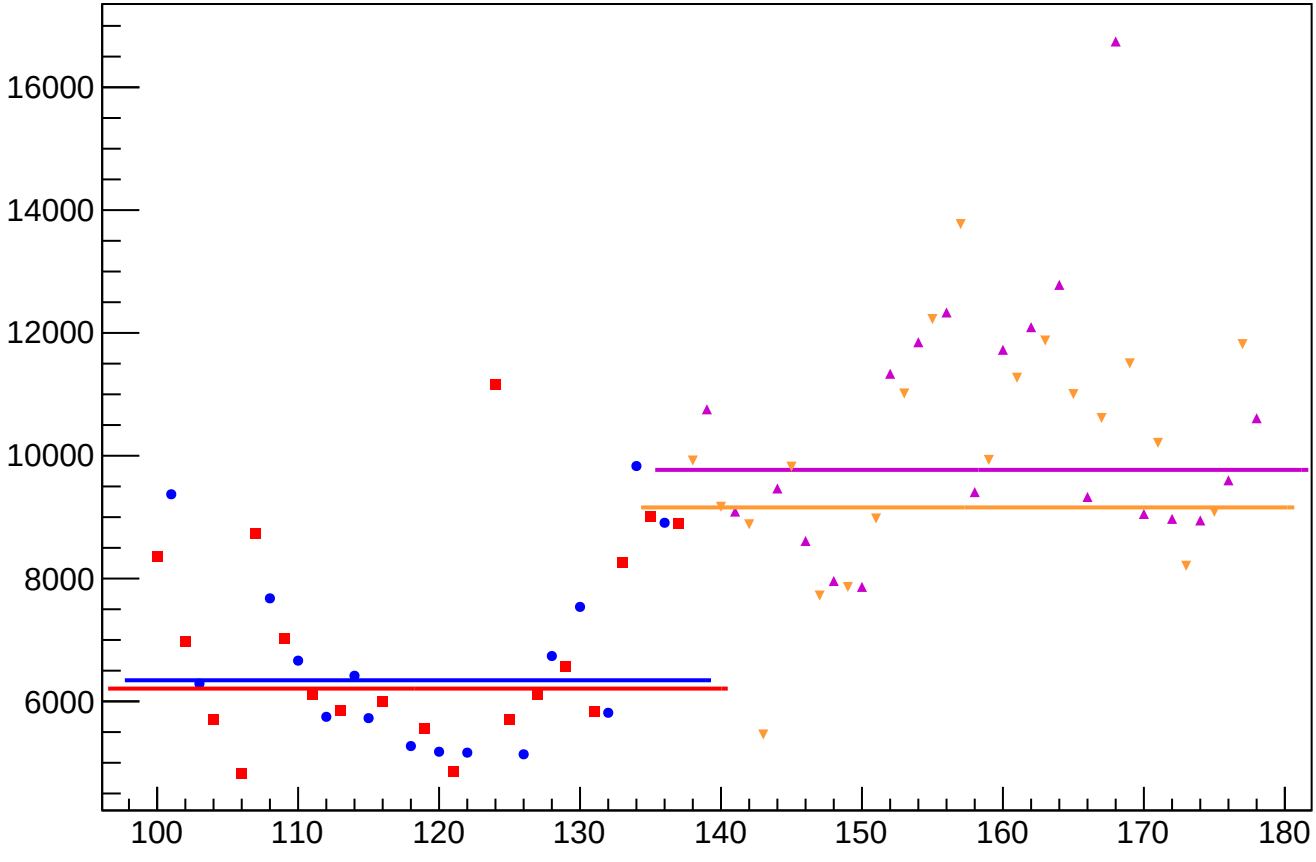
Right: 2291.888+/-1680.911 χ^2/NDF: 34.3/34

In: 2407.524+/-1725.257 χ^2/NDF:25.5/35

Out: 1561.802+/-1643.156 χ^2/NDF:45.6/39

All: 1964.062+/-1189.853 χ^2/NDF: 71.3/75

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: 9769.744+/-1.739 χ^2/NDF:930507.6/19

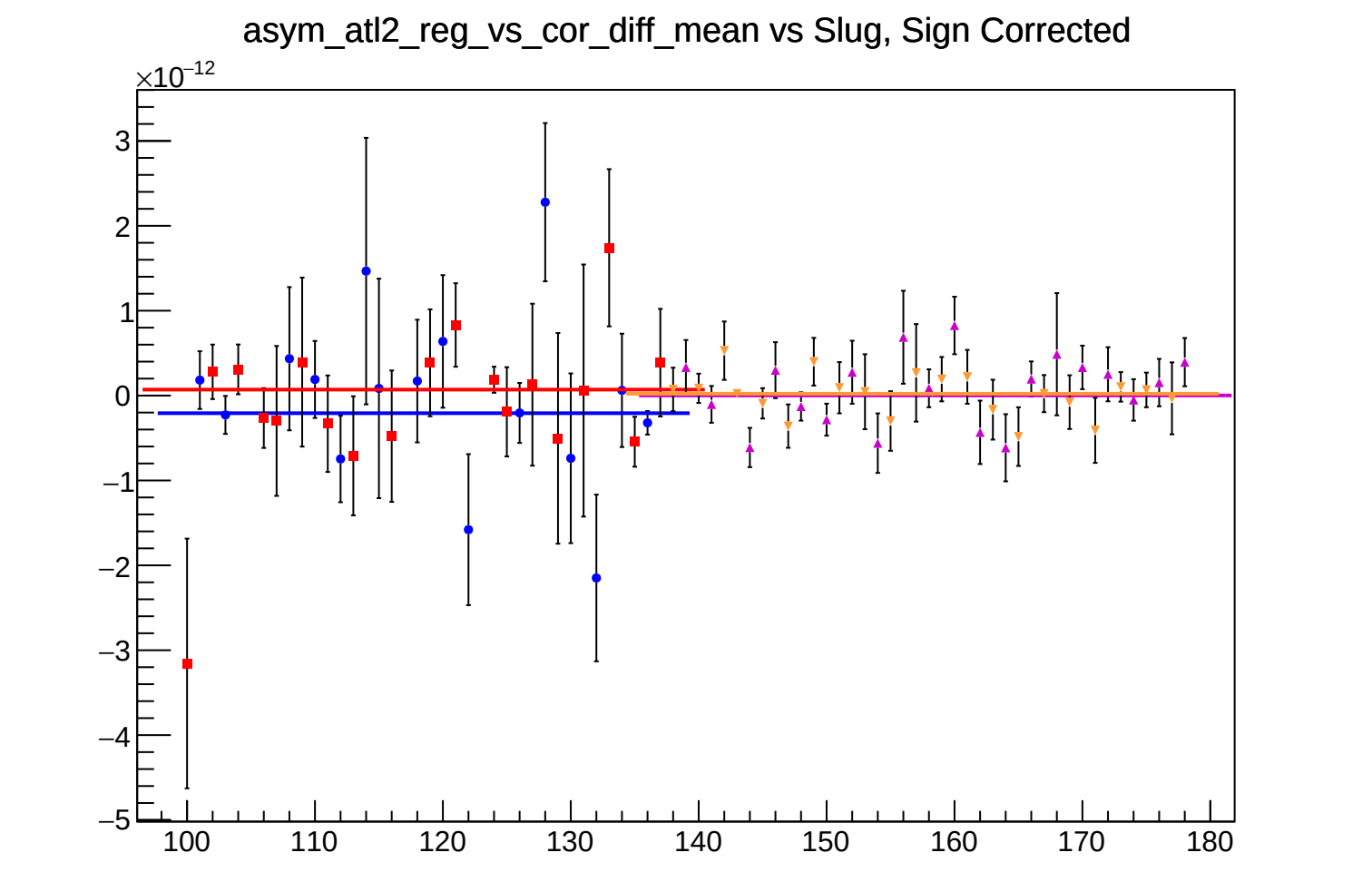
Left: 9445.255+/-1.191 χ^2/NDF: 2599594.1/40

Right: 6273.528+/-1.189 χ^2/NDF: 1096335.5/34

In: 8029.543+/-1.220 χ^2/NDF:3522876.4/35

Out: 7698.580+/-1.162 χ^2/NDF:3687285.4/39

All: 7856.000+/-0.841 χ^2/NDF: 7248755.1/75



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:32.4/19

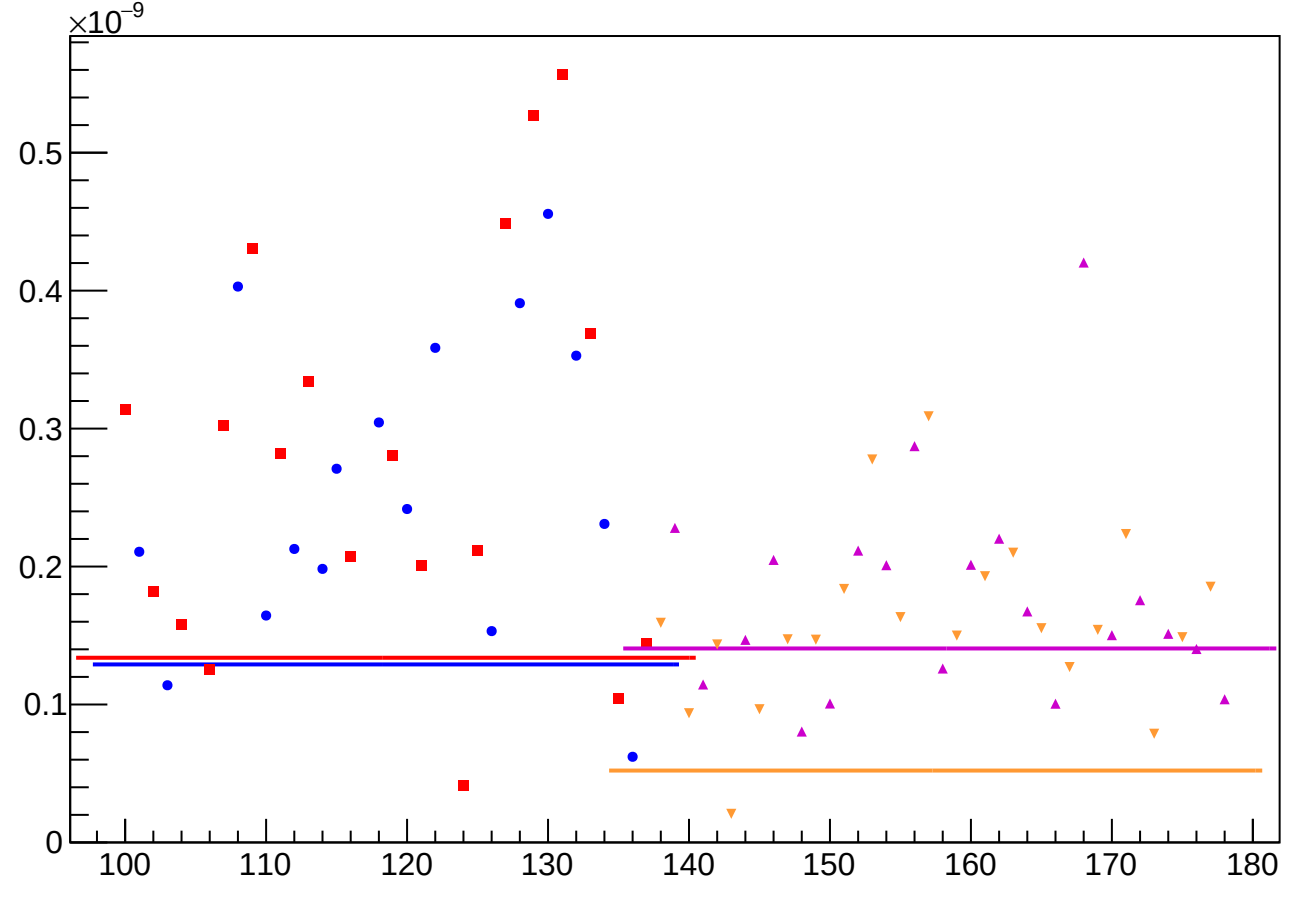
Left: 0.000+/-0.000 χ^2/NDF: 45.3/40

Right: -0.000+/-0.000 χ^2/NDF: 46.0/34

In: -0.000+/-0.000 χ^2/NDF:56.8/35

Out: 0.000+/-0.000 χ^2/NDF:33.9/39

All: 0.000+/-0.000 χ^2/NDF: 92.7/75



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:1492768.9/19

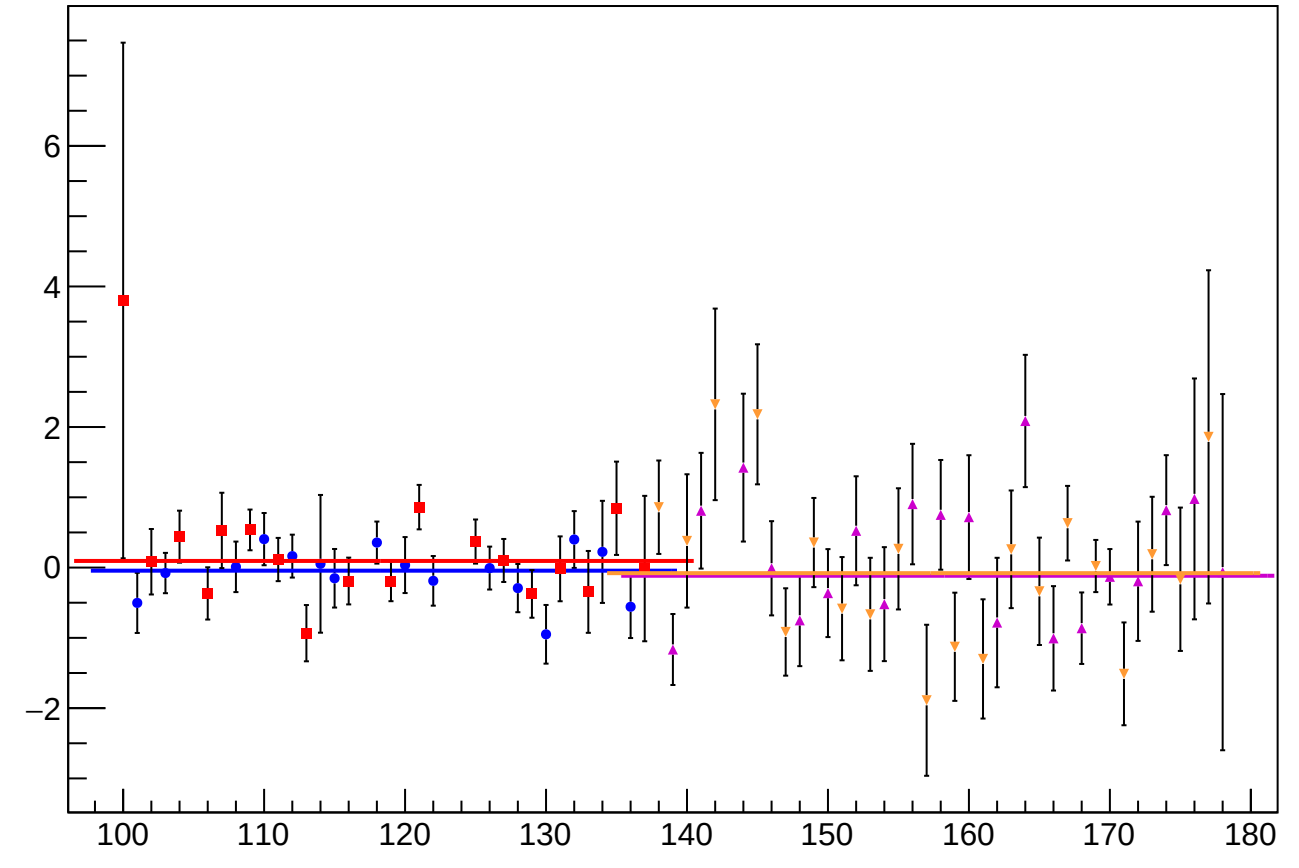
Left: 0.000+/-0.000 χ^2/NDF: 12017627.3/40

Right: 0.000+/-0.000 χ^2/NDF: 4027379.9/34

In: 0.000+/-0.000 χ^2/NDF:3234168.5/35

Out: 0.000+/-0.000 χ^2/NDF:10711794.9/39

All: 0.000+/-0.000 χ^2/NDF: 17460652.7/75



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: -0.116+/-0.160 χ^2/NDF:24.8/19

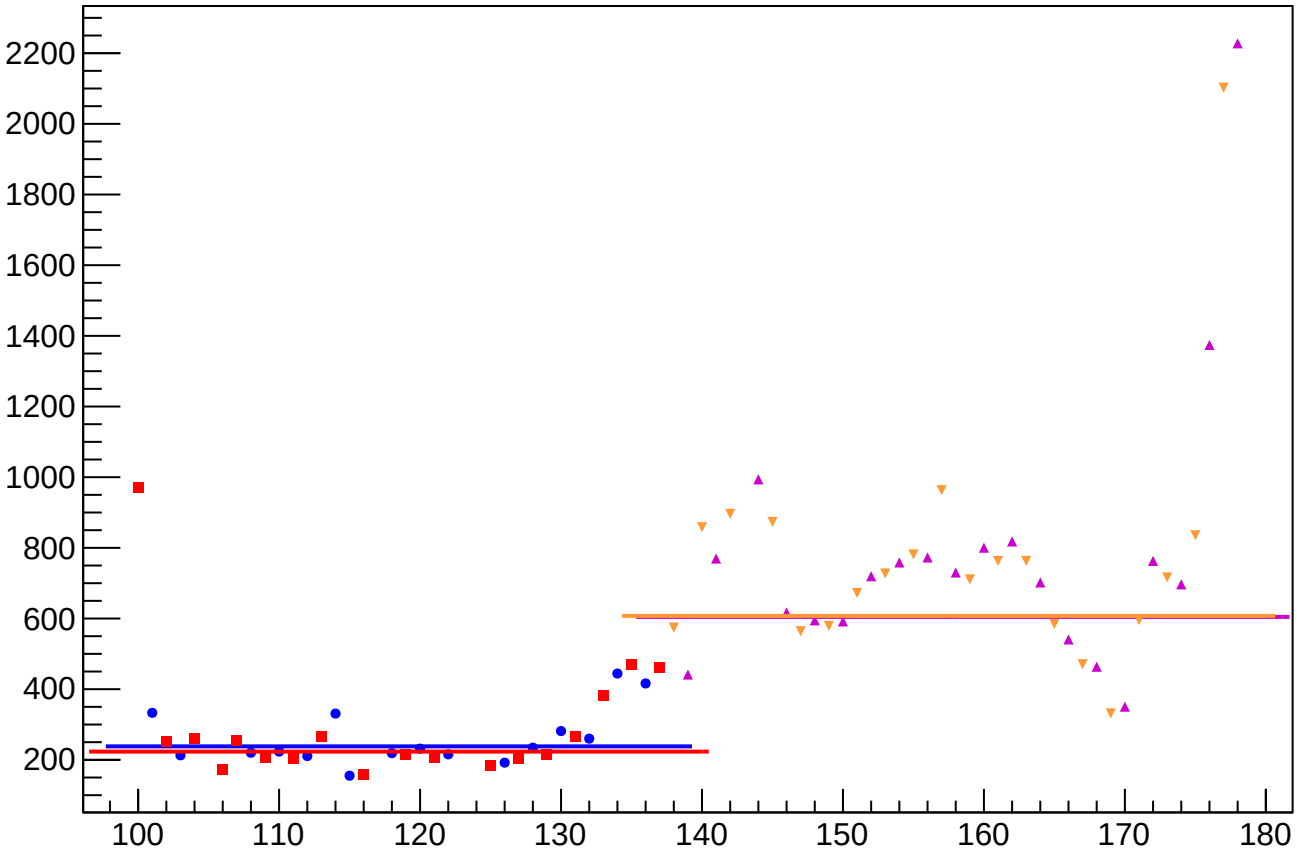
Left: -0.098+/-0.115 χ^2/NDF: 52.2/39

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.062+/-0.081 χ^2/NDF:38.0/35

Out: 0.054+/-0.079 χ^2/NDF:53.6/37

All: -0.003+/-0.057 χ^2/NDF: 92.6/73



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: 604.584+/-0.113 χ^2/NDF:3356204.4/19

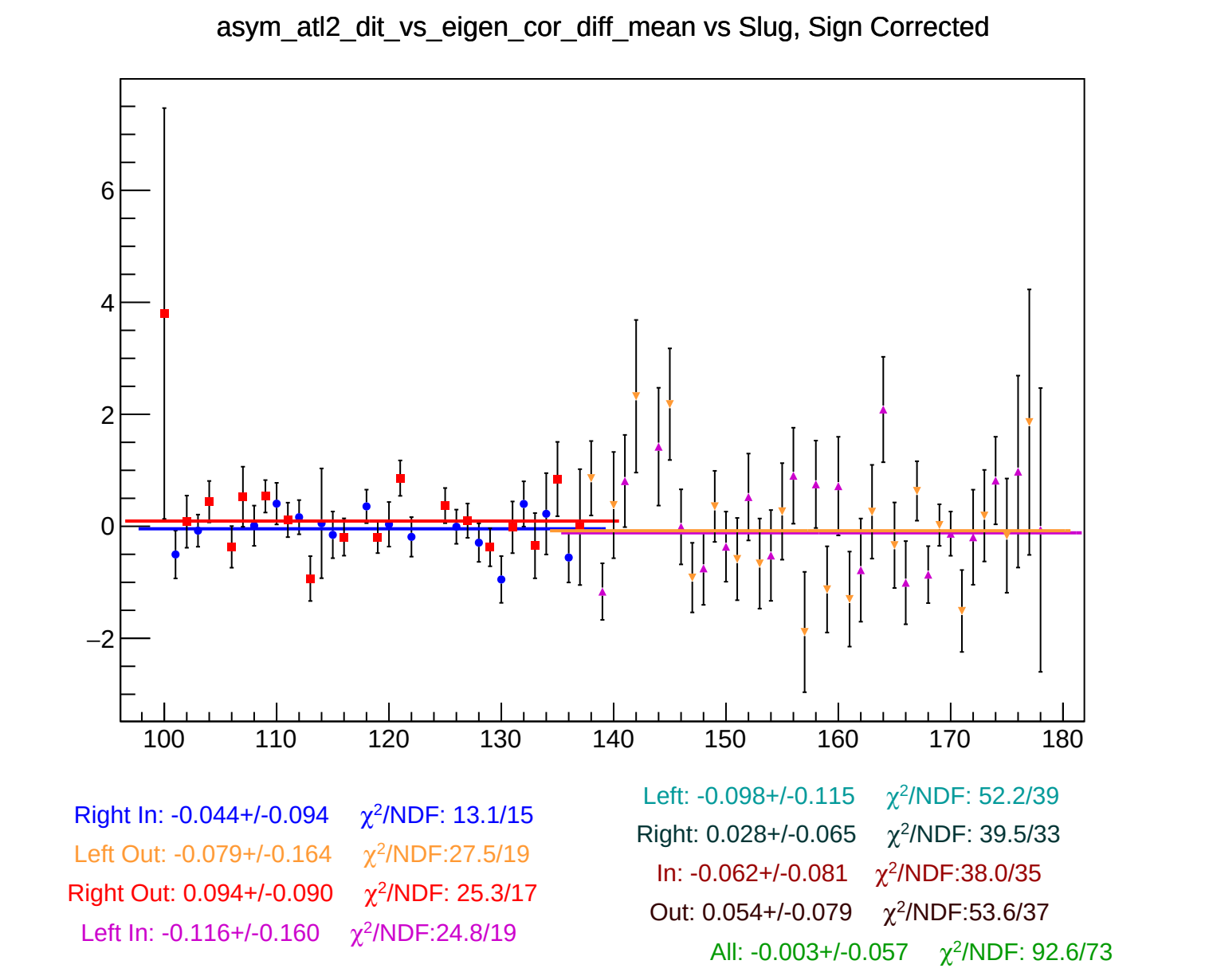
Left: 605.990+/-0.081 χ^2/NDF: 6452856.9/39

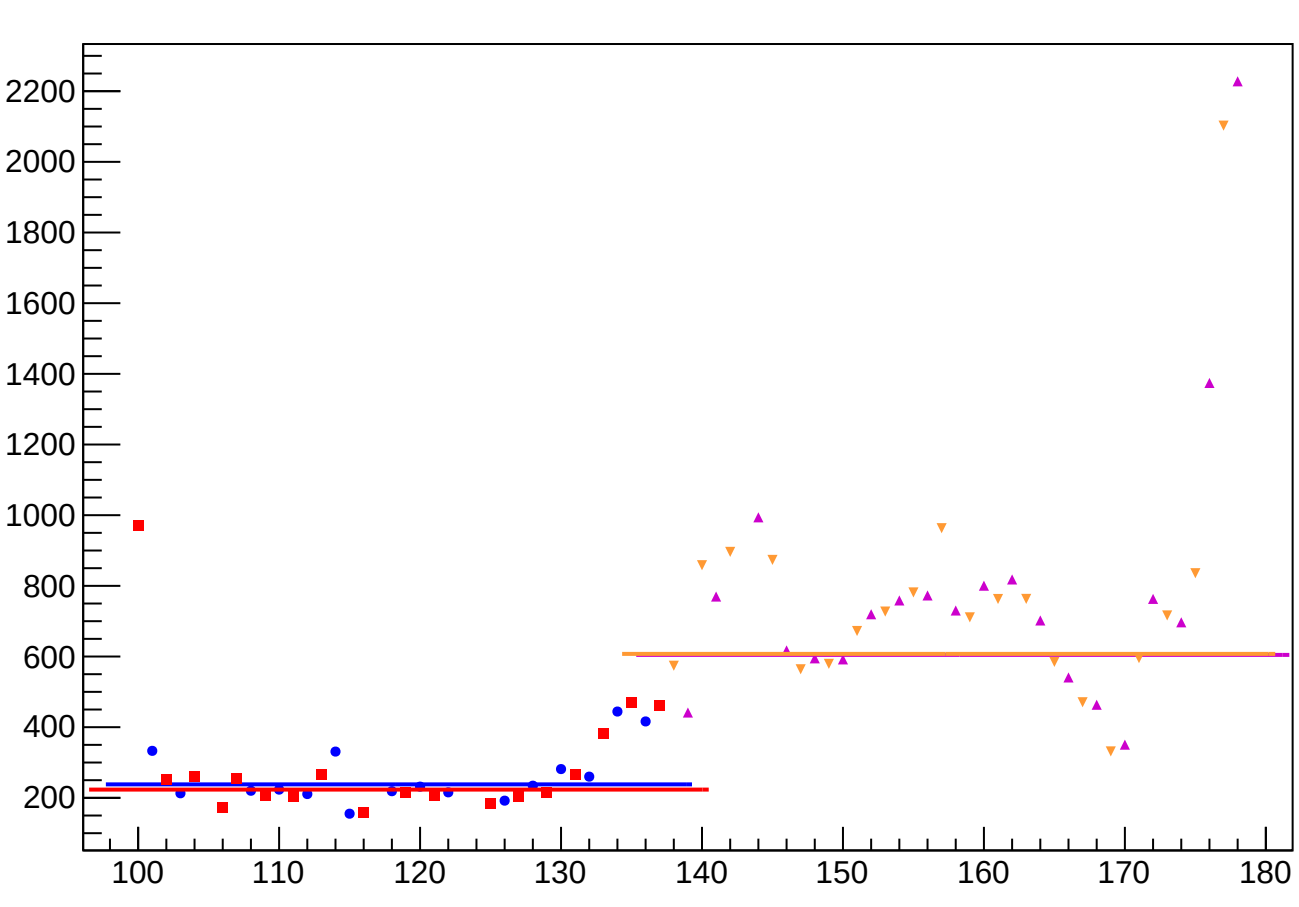
Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 331.462+/-0.057 χ^2/NDF:11934483.6/35

Out: 312.250+/-0.056 χ^2/NDF:12379381.8/37

All: 321.610+/-0.040 χ^2/NDF: 24371586.6/73


asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
6
4
2
0
−2
100
110
120
130
140
150
160
170
180
Right In: -0.044+/-0.094 χ²/NDF: 13.1/15
Left Out: -0.079+/-0.164 χ²/NDF:27.5/19
Right Out: 0.094+/-0.090 χ²/NDF: 25.3/17
Left In: -0.116+/-0.160 χ²/NDF:24.8/19
Left: -0.098+/-0.115 χ²/NDF: 52.2/39
Right: 0.028+/-0.065 χ²/NDF: 39.5/33
In: -0.062+/-0.081 χ²/NDF:38.0/35
Out: 0.054+/-0.079 χ²/NDF:53.6/37
All: -0.003+/-0.057 χ²/NDF: 92.6/73



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: 604.584+/-0.113 χ^2/NDF:3356204.4/19

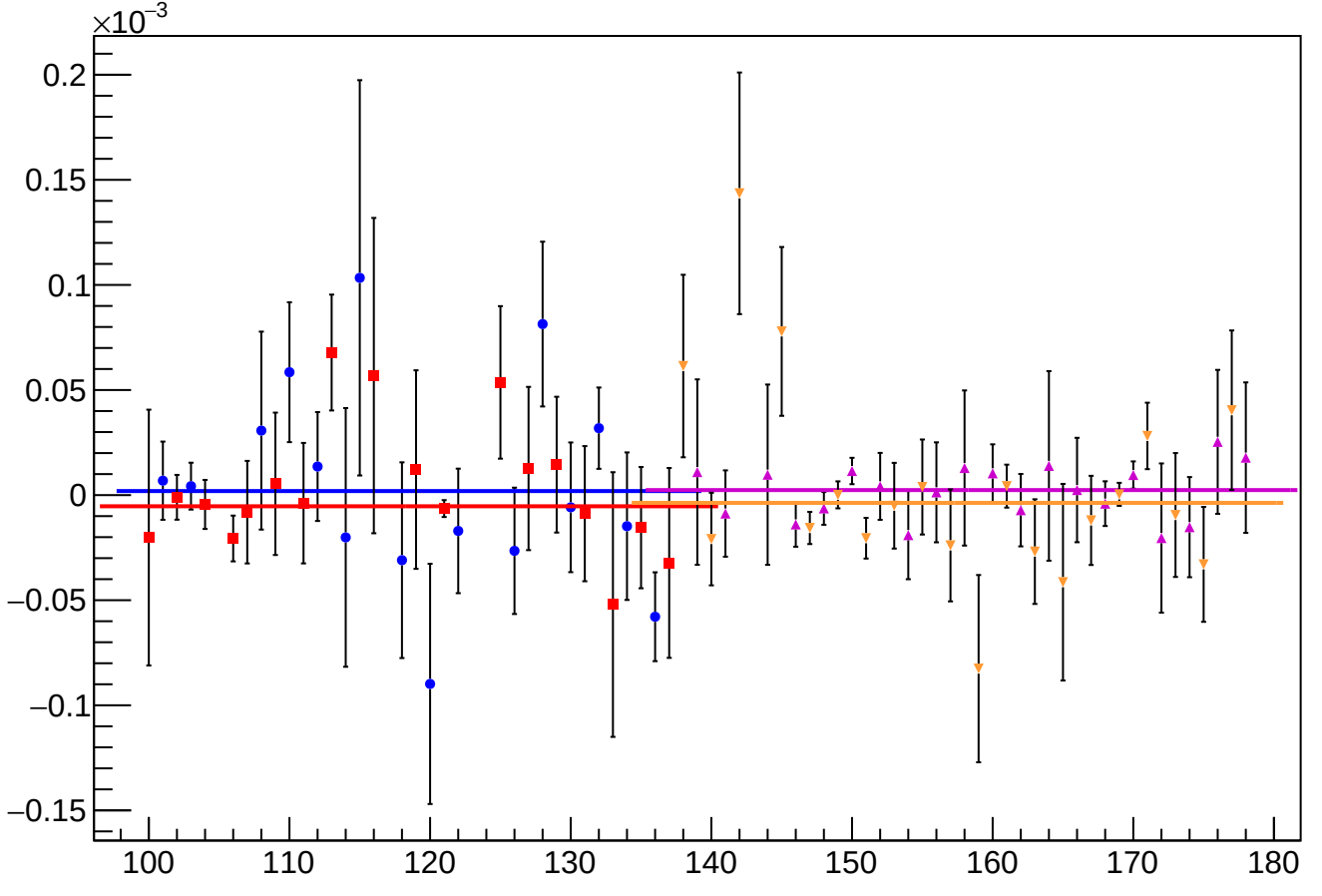
Left: 605.990+/-0.081 χ^2/NDF: 6452856.9/39

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 331.462+/-0.057 χ^2/NDF:11934483.6/35

Out: 312.250+/-0.056 χ^2/NDF:12379381.8/37

All: 321.610+/-0.040 χ^2/NDF: 24371586.6/73



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:11.1/19

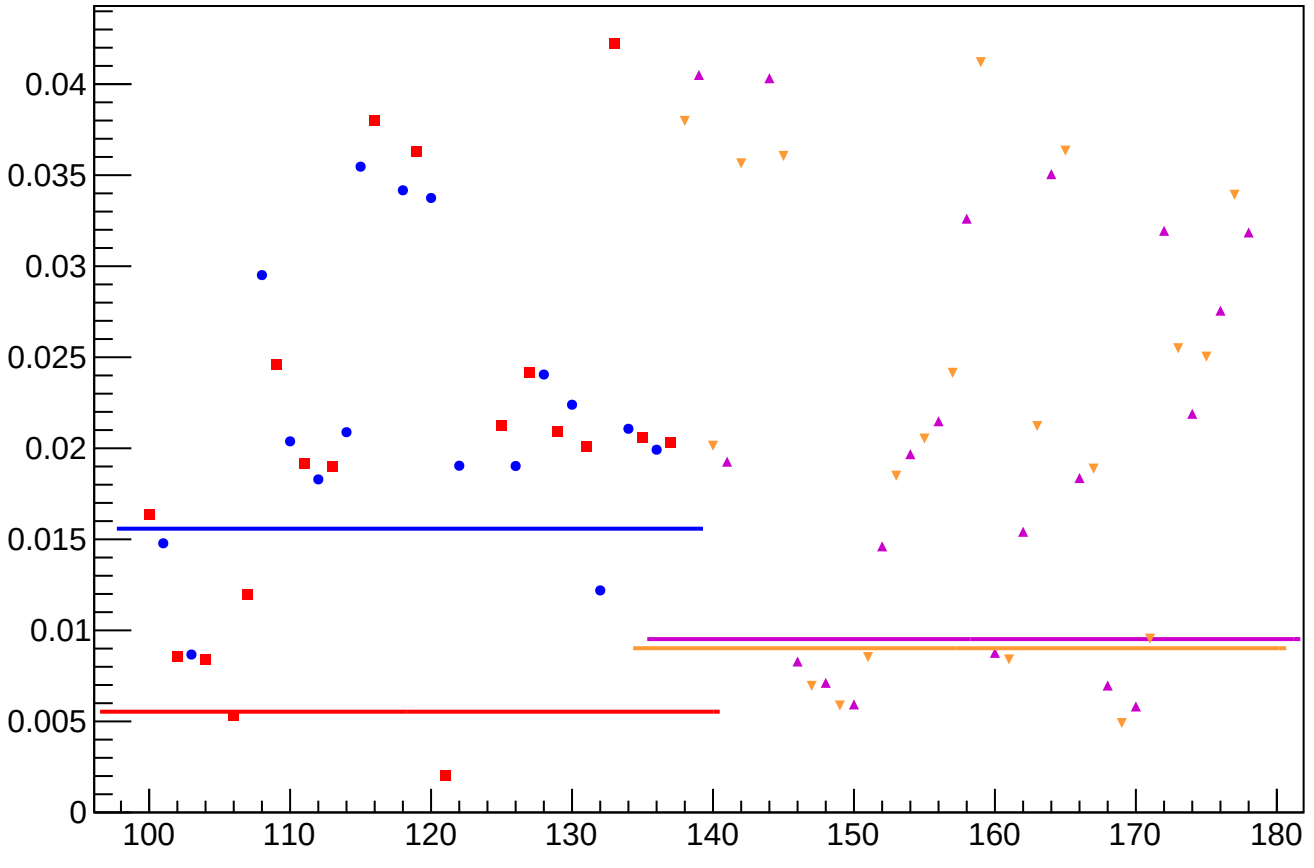
Left: -0.000+/-0.000 χ^2/NDF: 45.8/39

Right: -0.000+/-0.000 χ^2/NDF: 39.6/33

In: 0.000+/-0.000 χ^2/NDF:35.2/35

Out: -0.000+/-0.000 χ^2/NDF:47.3/37

All: -0.000+/-0.000 χ^2/NDF: 86.2/73



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: 0.010+/-0.000 χ^2/NDF:9875802.6/19

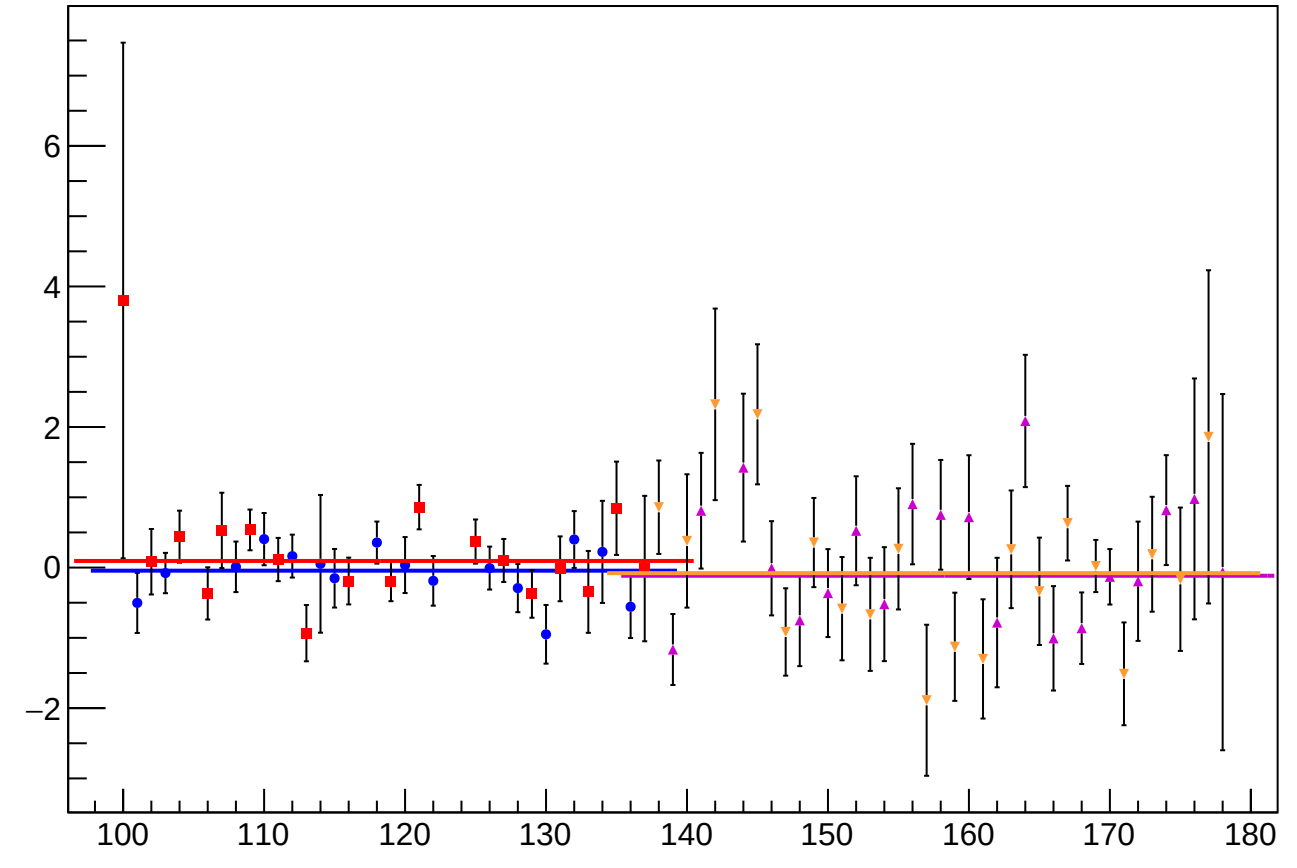
Left: 0.009+/-0.000 χ^2/NDF: 20813582.0/39

Right: 0.008+/-0.000 χ^2/NDF: 13999634.8/33

In: 0.011+/-0.000 χ^2/NDF:13430354.3/35

Out: 0.007+/-0.000 χ^2/NDF:20154074.2/37

All: 0.009+/-0.000 χ^2/NDF: 35277169.1/73



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: -0.116+/-0.160 χ^2/NDF:24.8/19

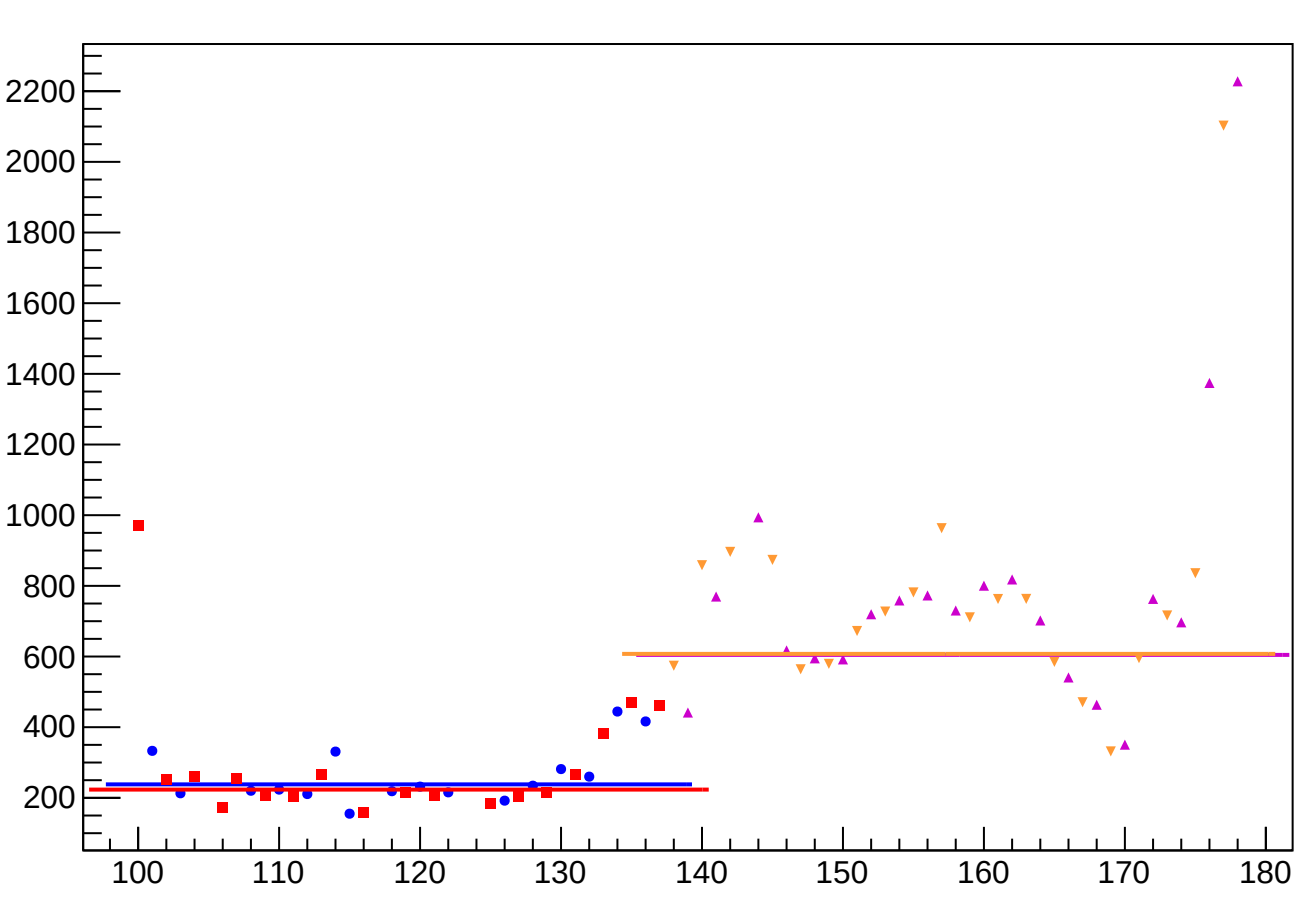
Left: -0.098+/-0.115 χ^2/NDF: 52.2/39

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.062+/-0.081 χ^2/NDF:38.0/35

Out: 0.054+/-0.079 χ^2/NDF:53.6/37

All: -0.003+/-0.057 χ^2/NDF: 92.6/73



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: 604.590+/-0.113 χ^2/NDF:3356184.8/19

Left: 605.994+/-0.081 χ^2/NDF: 6452890.9/39

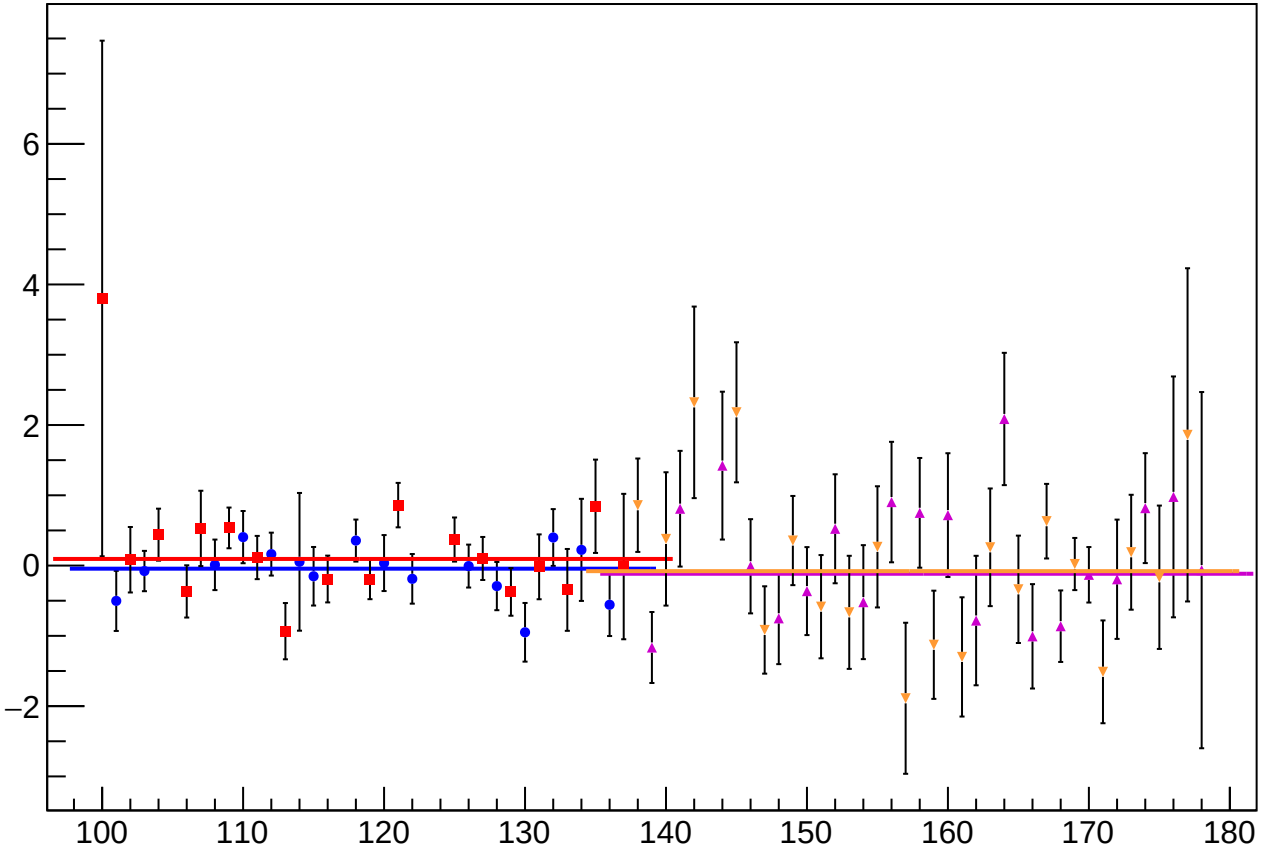
Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 331.463+/-0.057 χ^2/NDF:11934534.3/35

Out: 312.252+/-0.056 χ^2/NDF:12379365.2/37

All: 321.612+/-0.040 χ^2/NDF: 24371616.5/73

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.079+/-0.164 χ^2/NDF:27.5/19

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.116+/-0.160 χ^2/NDF:24.8/19

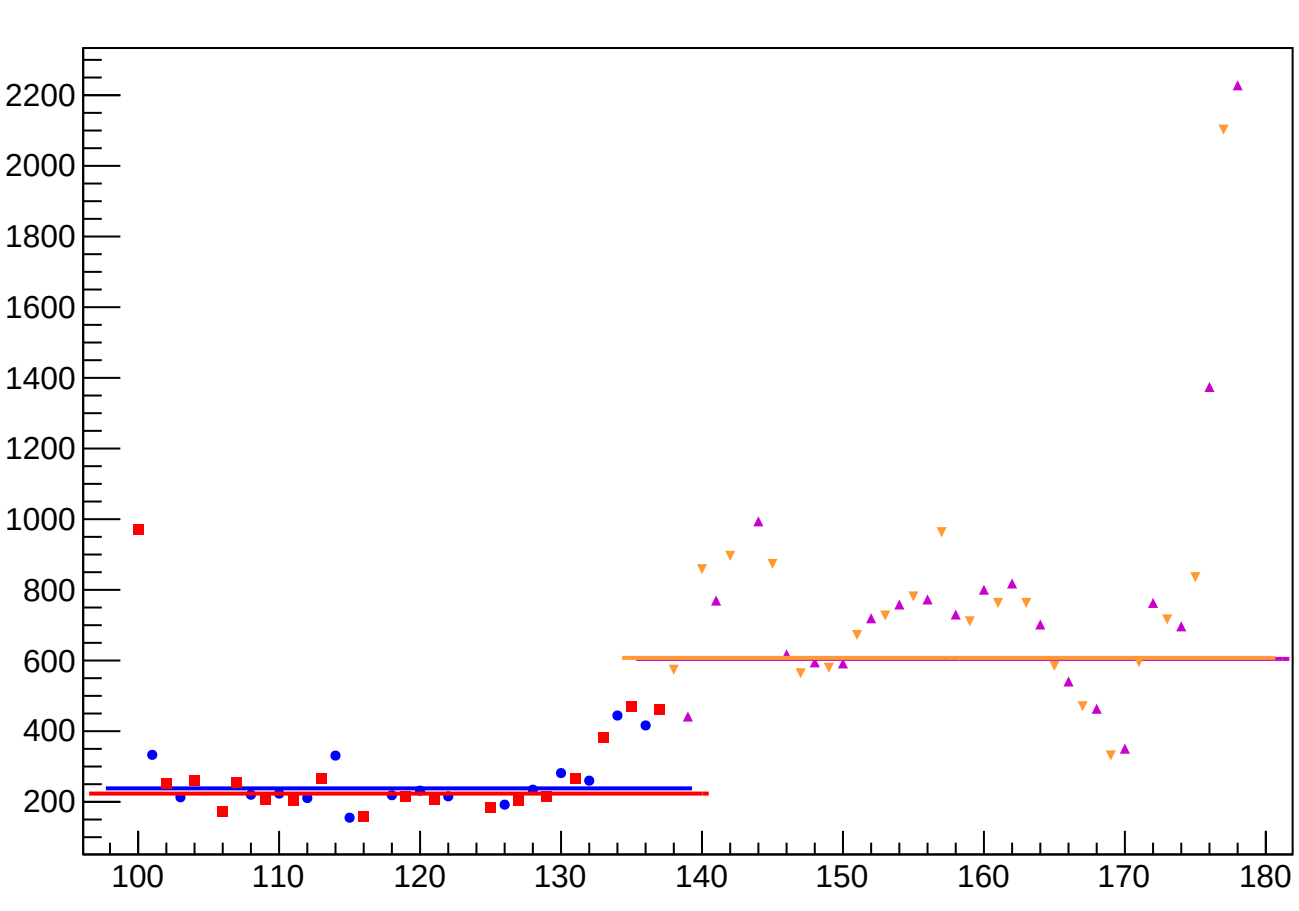
Left: -0.098+/-0.115 χ^2/NDF: 52.2/39

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.062+/-0.081 χ^2/NDF:38.0/35

Out: 0.054+/-0.079 χ^2/NDF:53.6/37

All: -0.003+/-0.057 χ^2/NDF: 92.6/73



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: 604.590+/-0.113 χ^2/NDF:3356184.8/19

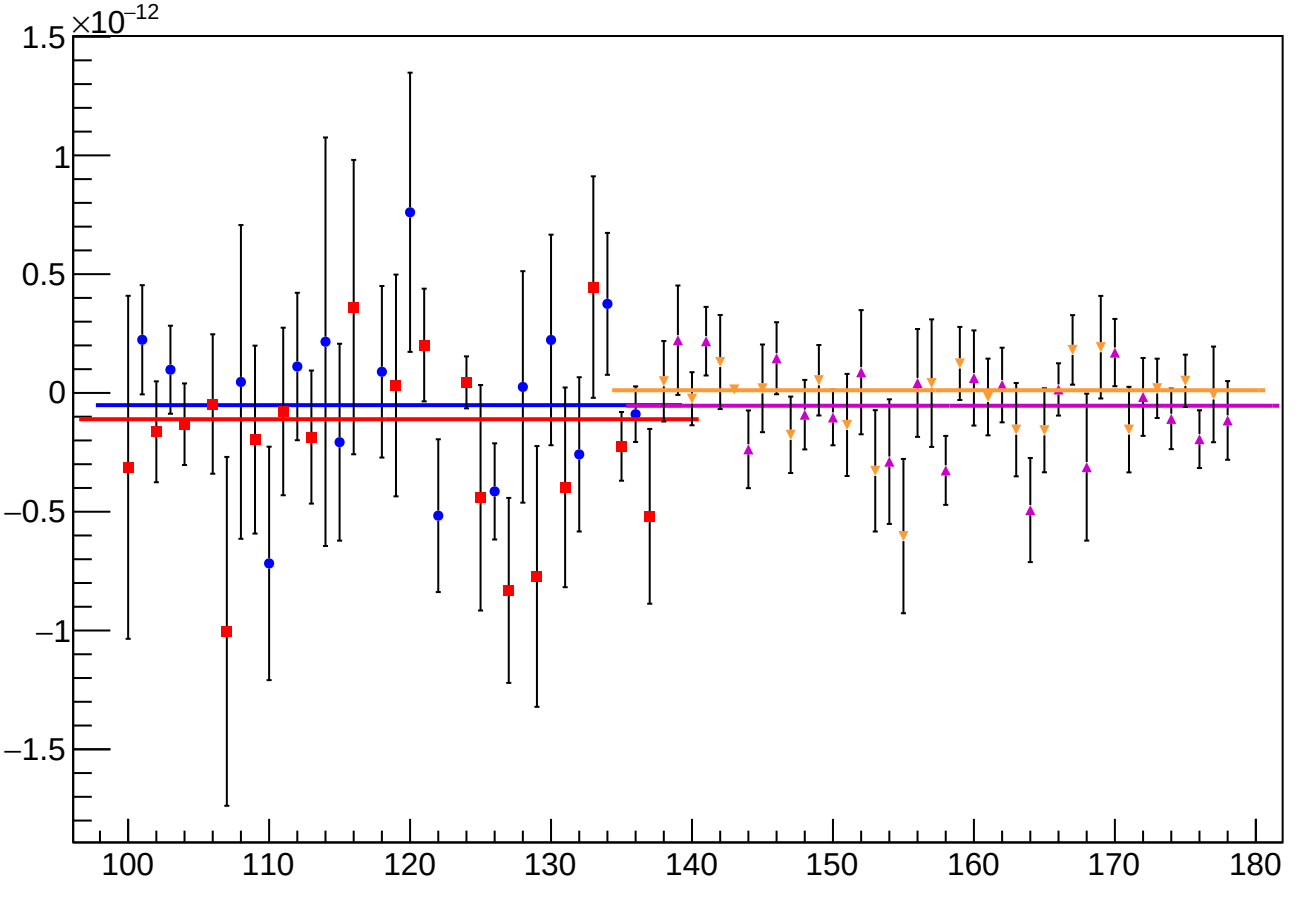
Left: 605.994+/-0.081 χ^2/NDF: 6452890.9/39

Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 331.463+/-0.057 χ^2/NDF:11934534.3/35

Out: 312.252+/-0.056 χ^2/NDF:12379365.2/37

All: 321.612+/-0.040 χ^2/NDF: 24371616.5/73



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:23.0/19

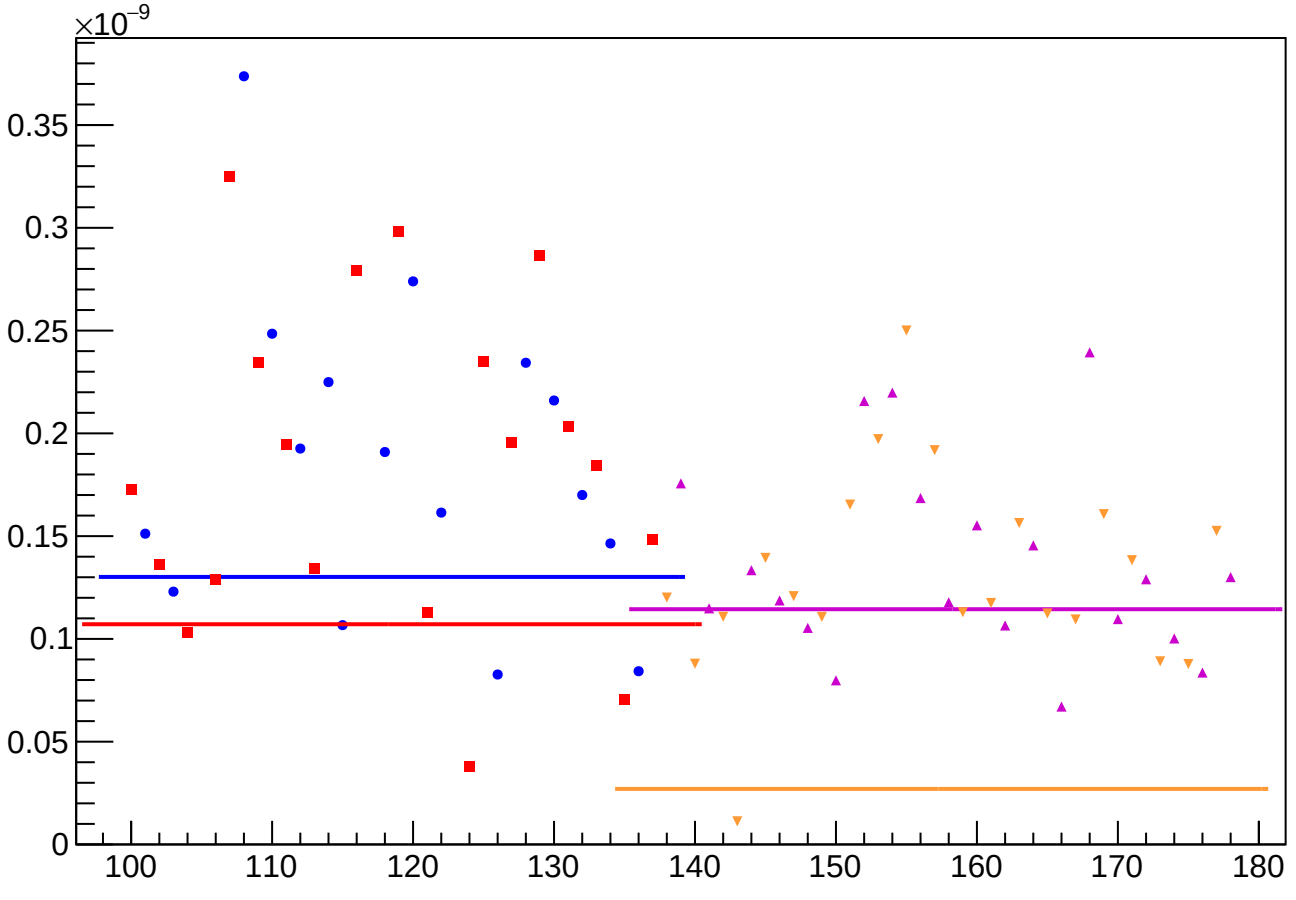
Left: 0.000+/-0.000 χ^2/NDF: 38.9/40

Right: -0.000+/-0.000 χ^2/NDF: 30.6/34

In: -0.000+/-0.000 χ^2/NDF:37.8/35

Out: 0.000+/-0.000 χ^2/NDF:32.4/39

All: -0.000+/-0.000 χ^2/NDF: 73.0/75



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:2104386.6/19

Left: 0.000+/-0.000 χ^2/NDF: 28323930.0/40

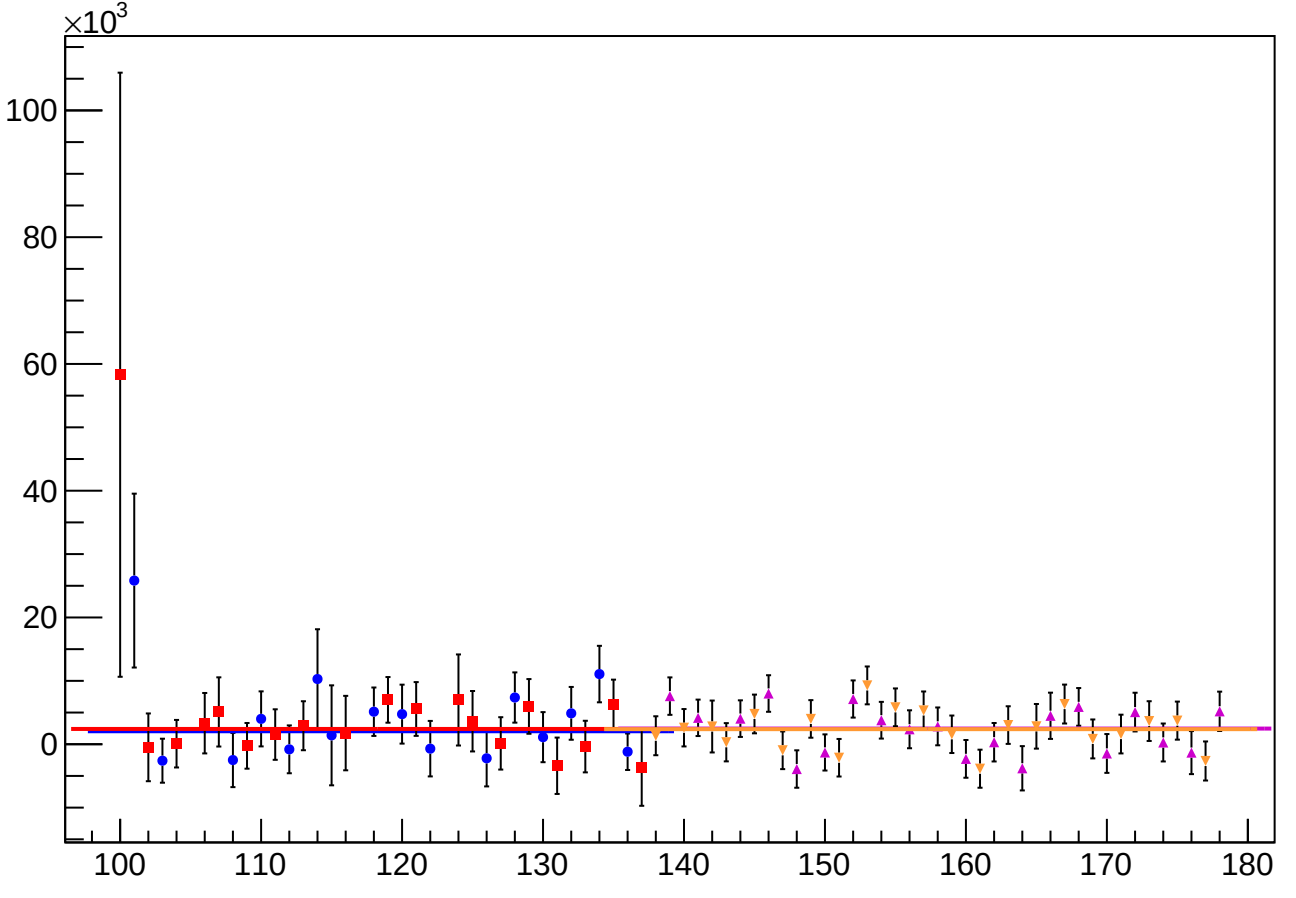
Right: 0.000+/-0.000 χ^2/NDF: 4122173.2/34

In: 0.000+/-0.000 χ^2/NDF:3523499.4/35

Out: 0.000+/-0.000 χ^2/NDF:21889903.7/39

All: 0.000+/-0.000 χ^2/NDF: 38101330.9/75

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: 2470.247+/-677.263 χ^2/NDF:29.3/19

Left: 2424.984+/-476.109 χ^2/NDF: 51.5/40

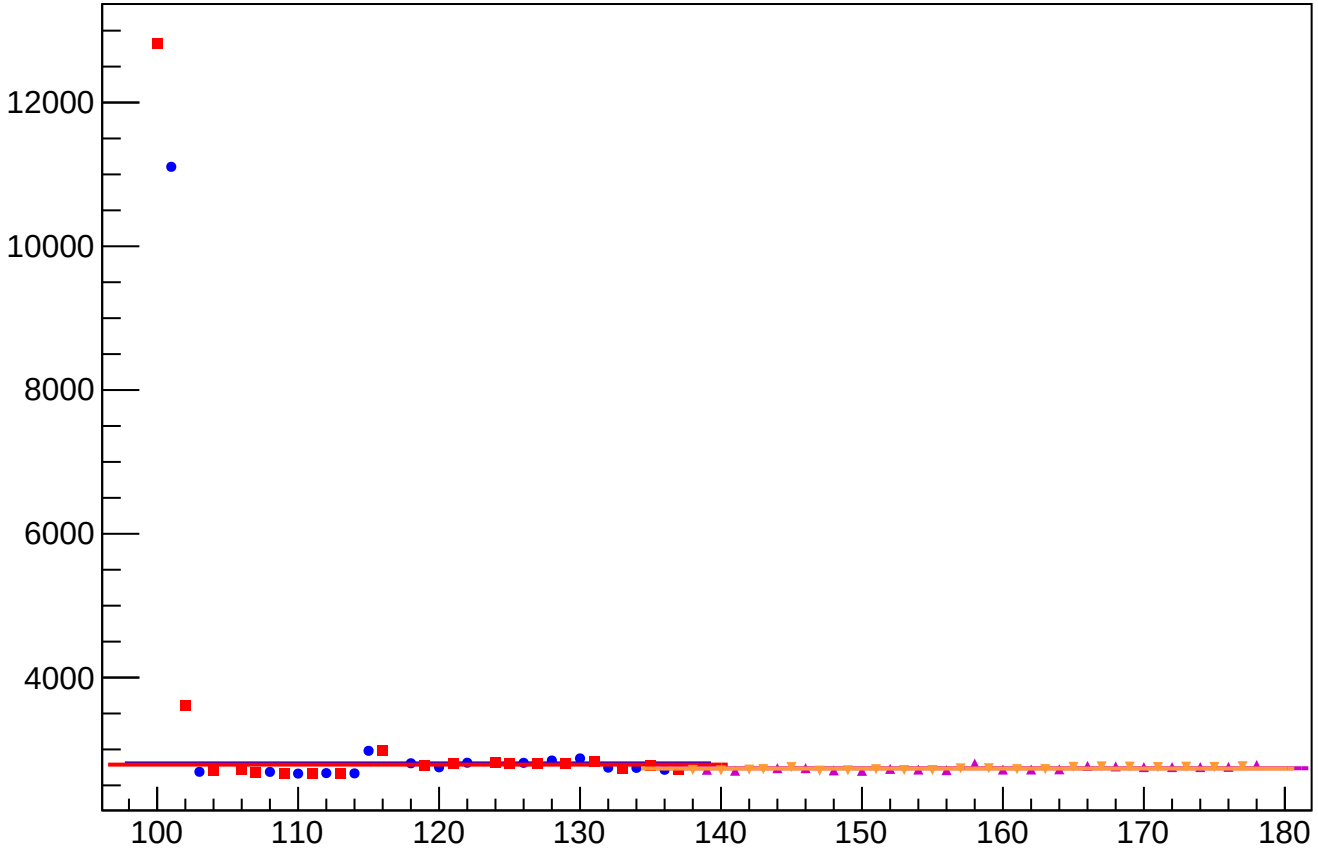
Right: 2236.684+/-744.229 χ^2/NDF: 28.6/34

In: 2349.959+/-572.323 χ^2/NDF:47.2/35

Out: 2389.927+/-562.186 χ^2/NDF:33.0/39

All: 2370.300+/-401.061 χ^2/NDF: 80.2/75

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: 2738.084+/-0.479 χ^2/NDF:3233.9/19

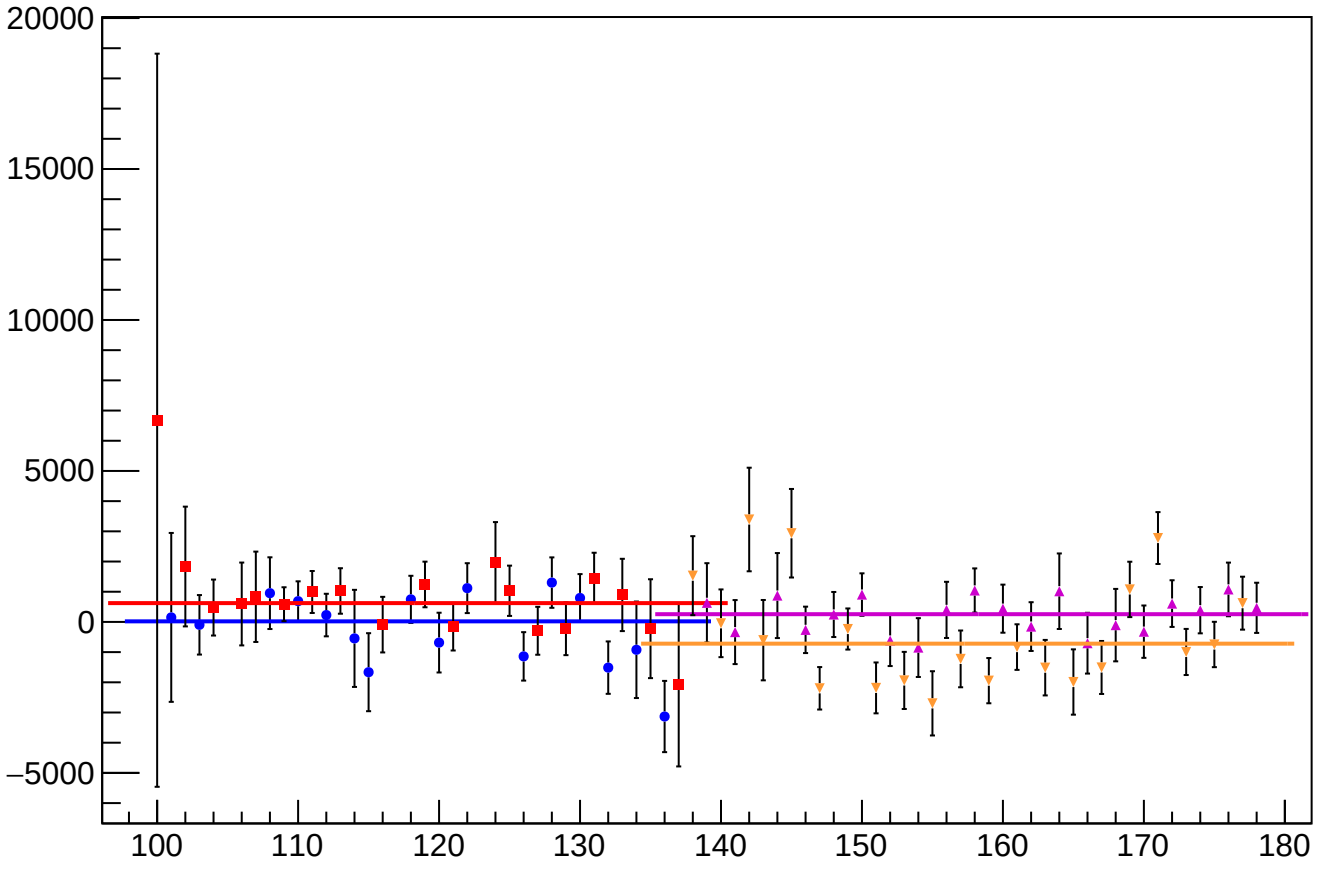
Left: 2736.154+/-0.337 χ^2/NDF: 5166.5/40

Right: 2796.857+/-0.526 χ^2/NDF: 893488.2/34

In: 2757.342+/-0.405 χ^2/NDF:755130.8/35

Out: 2750.348+/-0.398 χ^2/NDF:152813.7/39

All: 2753.782+/-0.284 χ^2/NDF: 908096.5/75



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: 256.103+/-196.797 χ^2/NDF:8.7/19

Left: -230.627+/-139.349 χ^2/NDF: 78.2/40

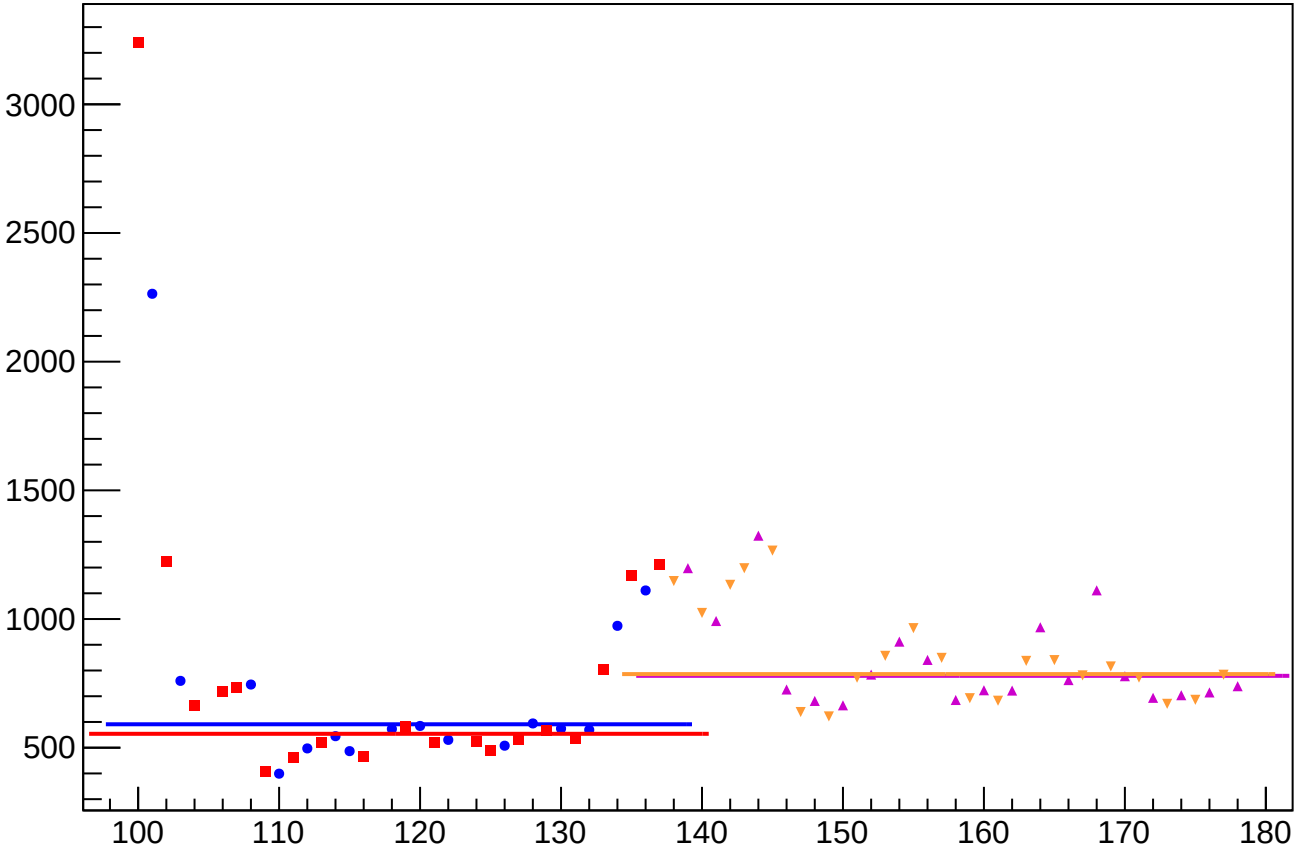
Right: 344.579+/-158.535 χ^2/NDF: 35.6/34

In: 157.613+/-150.475 χ^2/NDF:32.1/35

Out: -108.822+/-145.676 χ^2/NDF:87.5/39

All: 20.080+/-104.664 χ^2/NDF: 121.2/75

asym_atr1_reg_correction_rms vs Slug, Sign Corrected



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: 779.278+/-0.139 χ^2/NDF:1037578.1/19

Left: 782.637+/-0.099 χ^2/NDF: 2214167.3/40

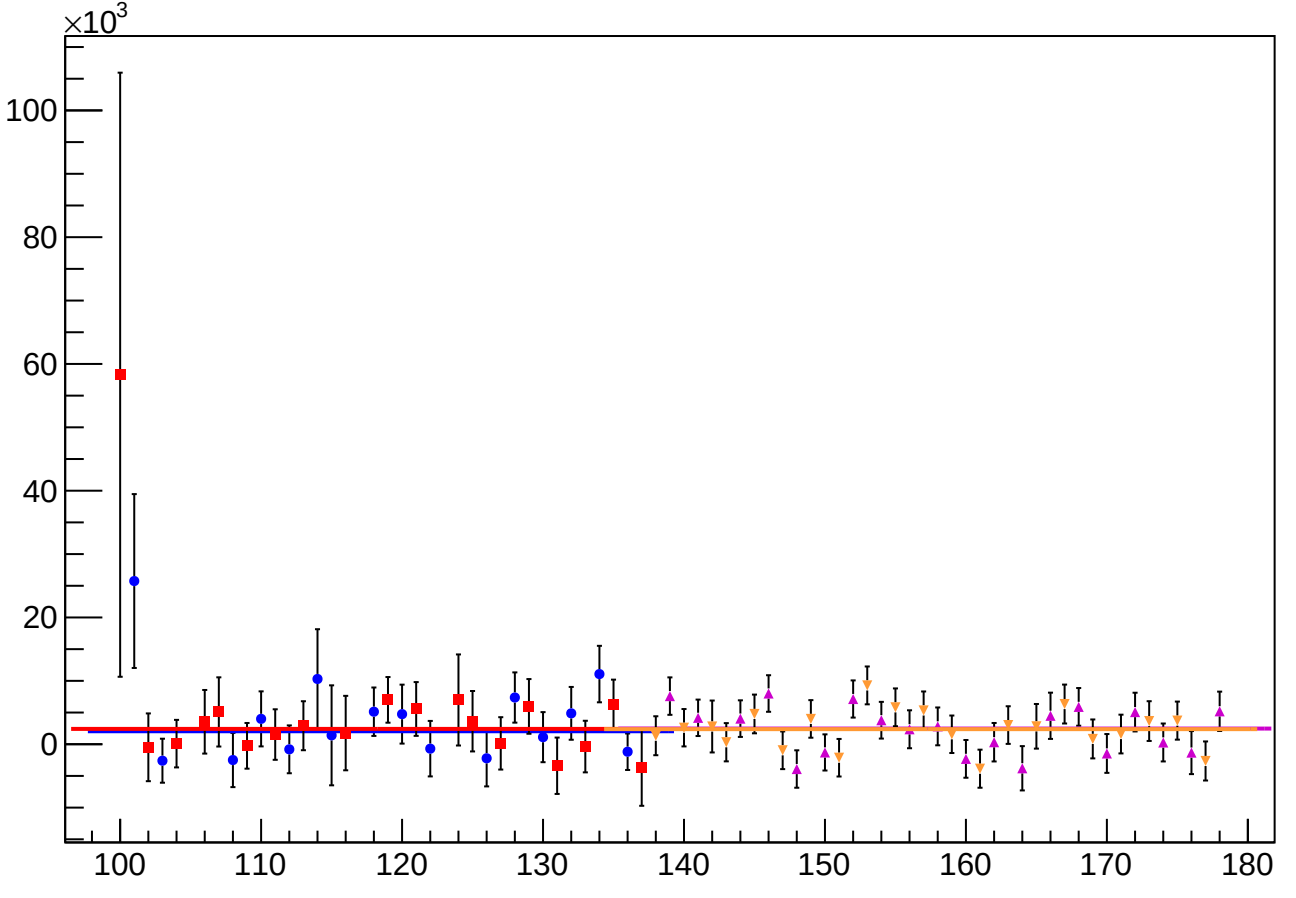
Right: 571.068+/-0.112 χ^2/NDF: 2711735.0/34

In: 701.093+/-0.106 χ^2/NDF:3365253.6/35

Out: 680.423+/-0.103 χ^2/NDF:3550591.8/39

All: 690.423+/-0.074 χ^2/NDF: 6935325.6/75

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: 2470.337+/-677.263 χ^2/NDF:29.3/19

Left: 2425.040+/-476.109 χ^2/NDF: 51.5/40

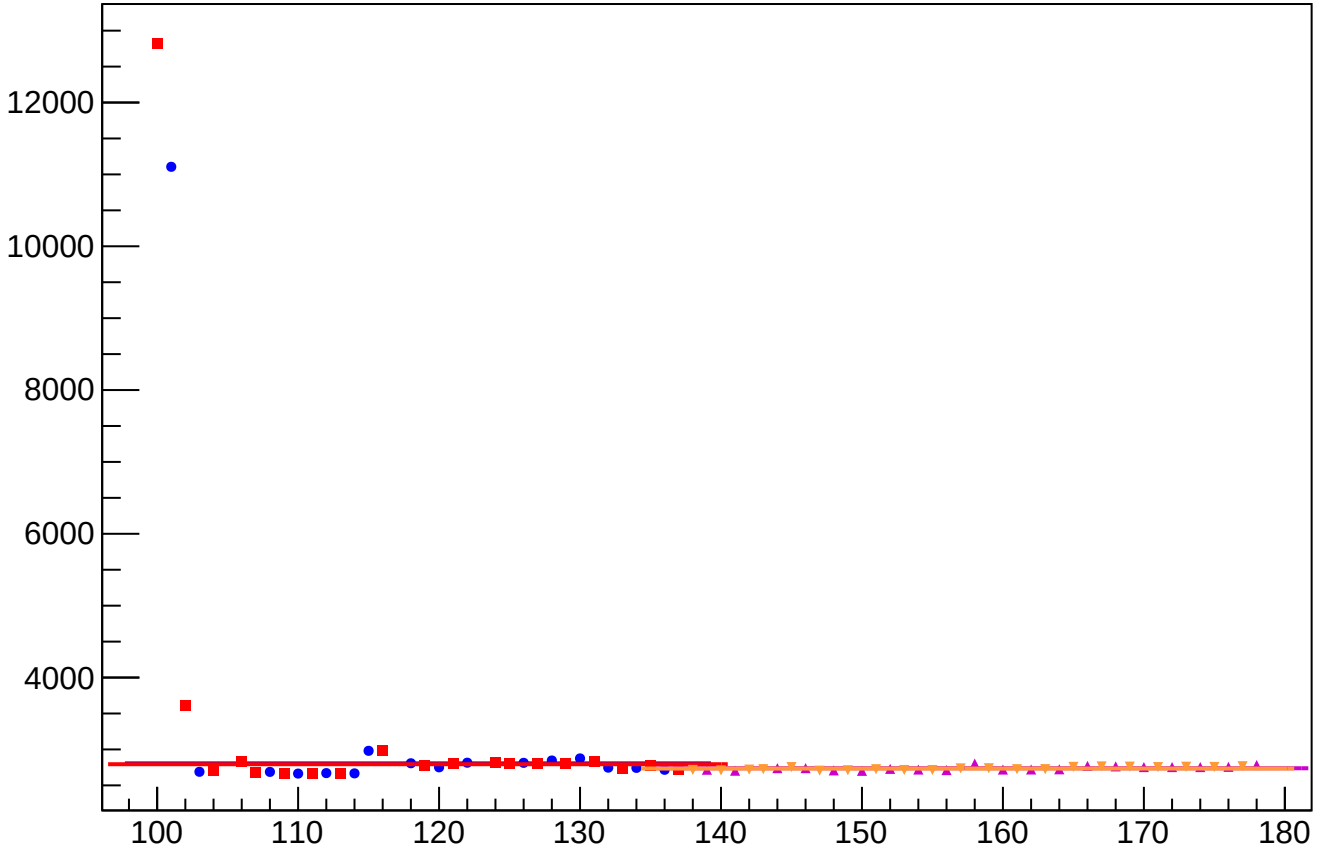
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2349.793+/-572.323 χ^2/NDF:47.2/35

Out: 2391.690+/-562.567 χ^2/NDF:33.0/39

All: 2371.102+/-401.199 χ^2/NDF: 80.2/75

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: 2738.084+/-0.479 χ^2/NDF:3233.9/19

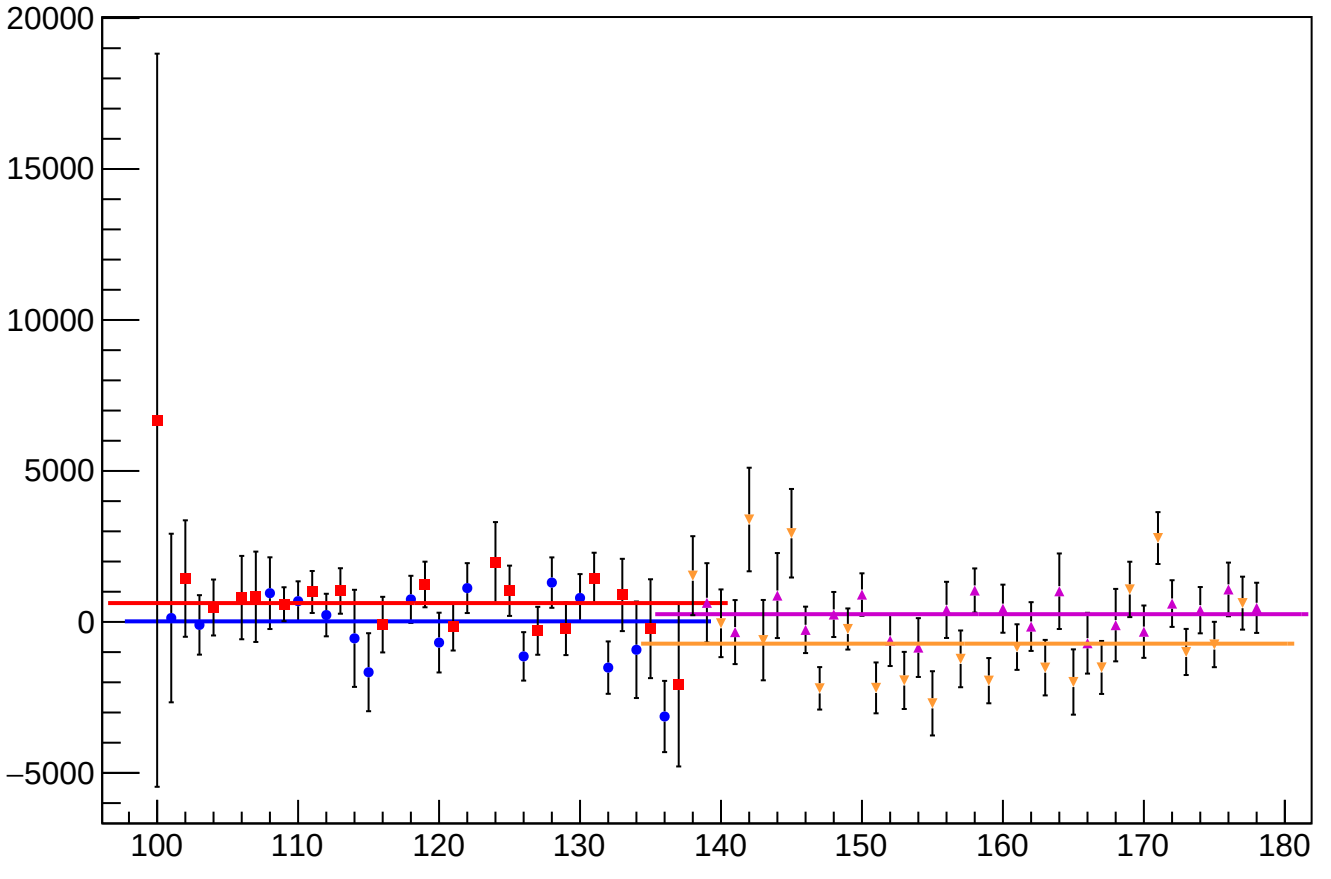
Left: 2736.154+/-0.337 χ^2/NDF: 5166.5/40

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2757.342+/-0.405 χ^2/NDF:755129.9/35

Out: 2751.864+/-0.398 χ^2/NDF:153347.8/39

All: 2754.556+/-0.284 χ^2/NDF: 908570.9/75



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: 256.204+/-196.797 χ^2/NDF:8.7/19

Left: -230.543+/-139.349 χ^2/NDF: 78.1/40

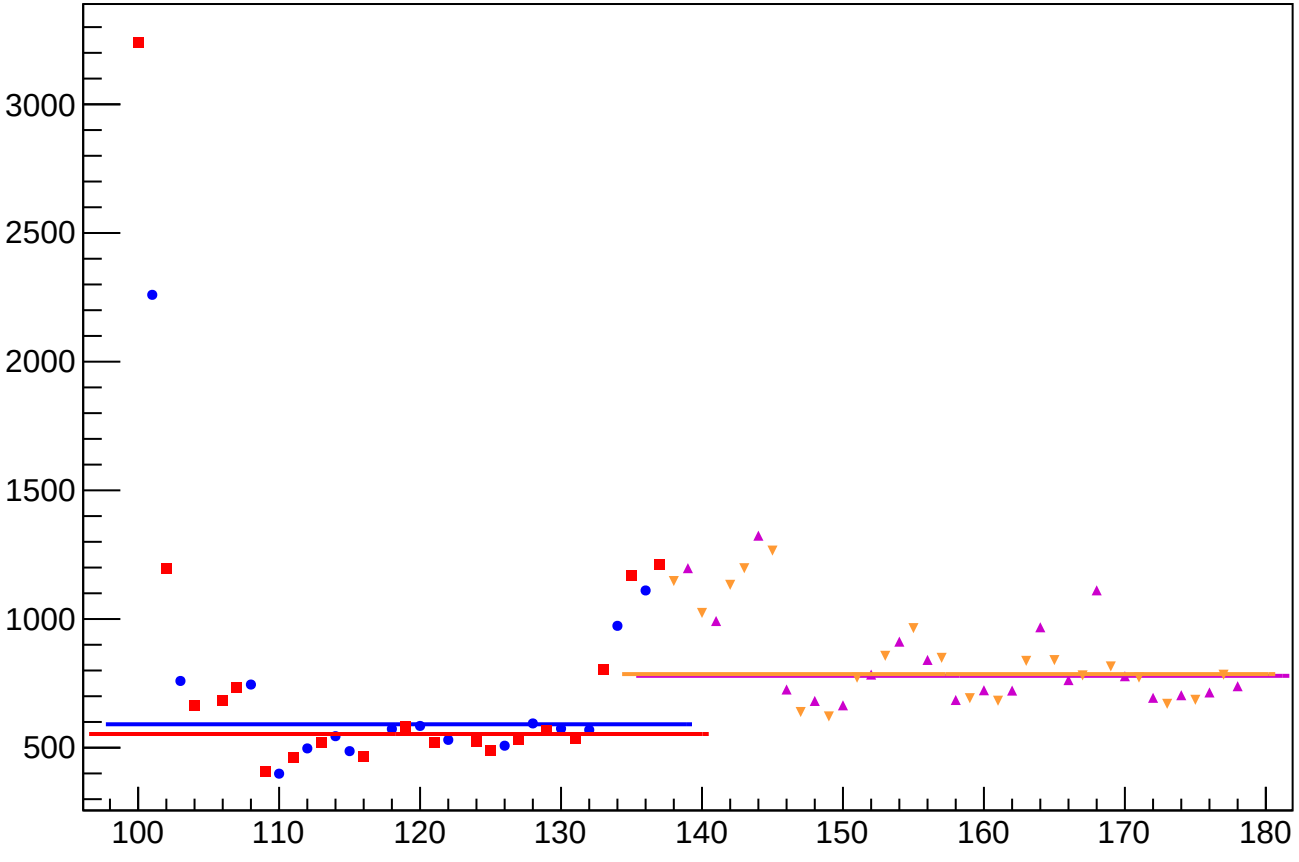
Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 157.649+/-150.472 χ^2/NDF:32.1/35

Out: -108.136+/-145.662 χ^2/NDF:87.4/39

All: 20.441+/-104.658 χ^2/NDF: 121.1/75

asym_atr1_cor_correction_rms vs Slug, Sign Corrected



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: 779.280+/-0.139 χ^2/NDF:1037513.4/19

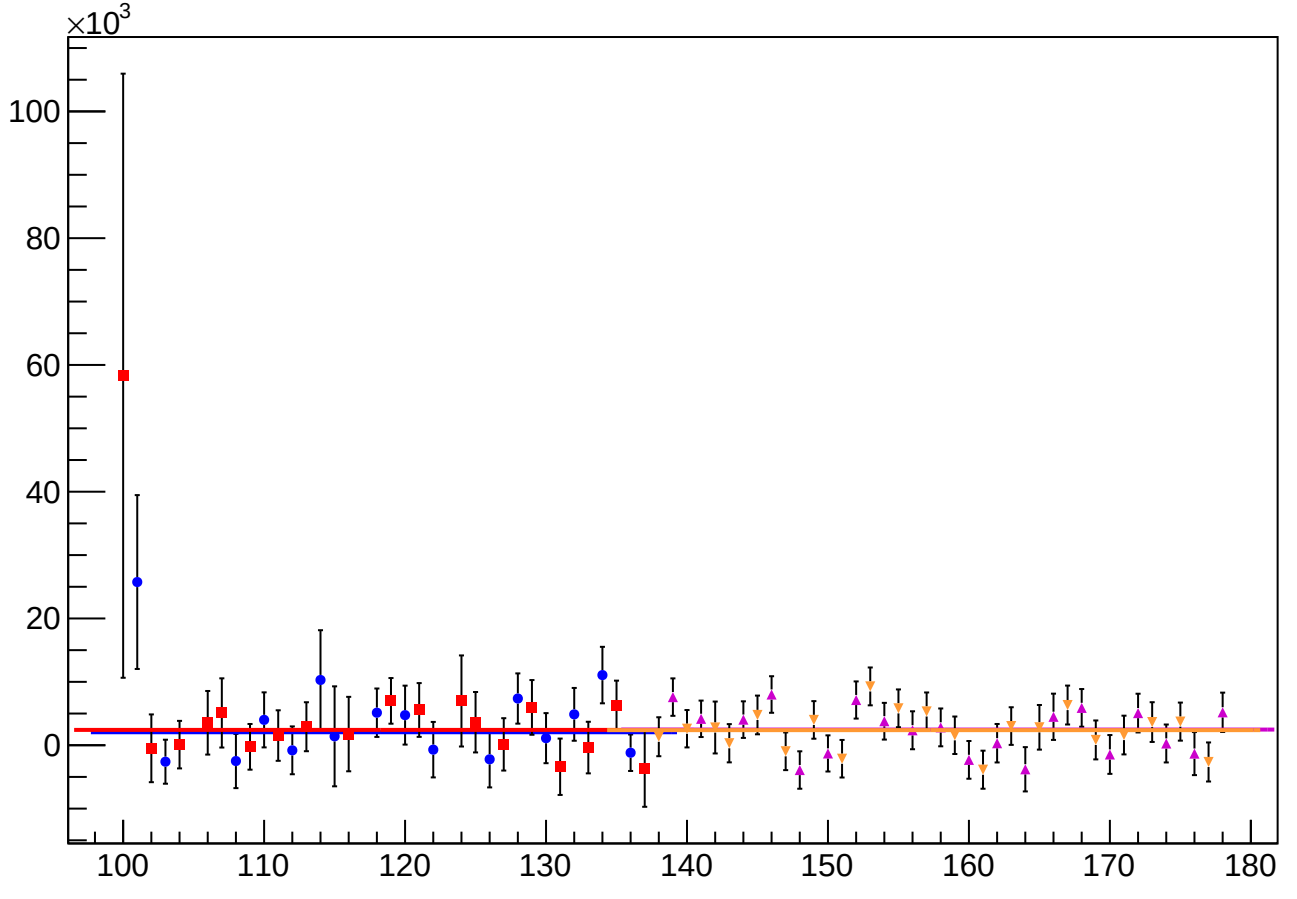
Left: 782.636+/-0.099 χ^2/NDF: 2214112.9/40

Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 701.089+/-0.106 χ^2/NDF:3364234.4/35

Out: 680.056+/-0.103 χ^2/NDF:3543732.0/39

All: 690.231+/-0.074 χ^2/NDF: 6928139.5/75



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: 2470.337+/-677.263 χ^2/NDF:29.3/19

Left: 2425.040+/-476.109 χ^2/NDF: 51.5/40

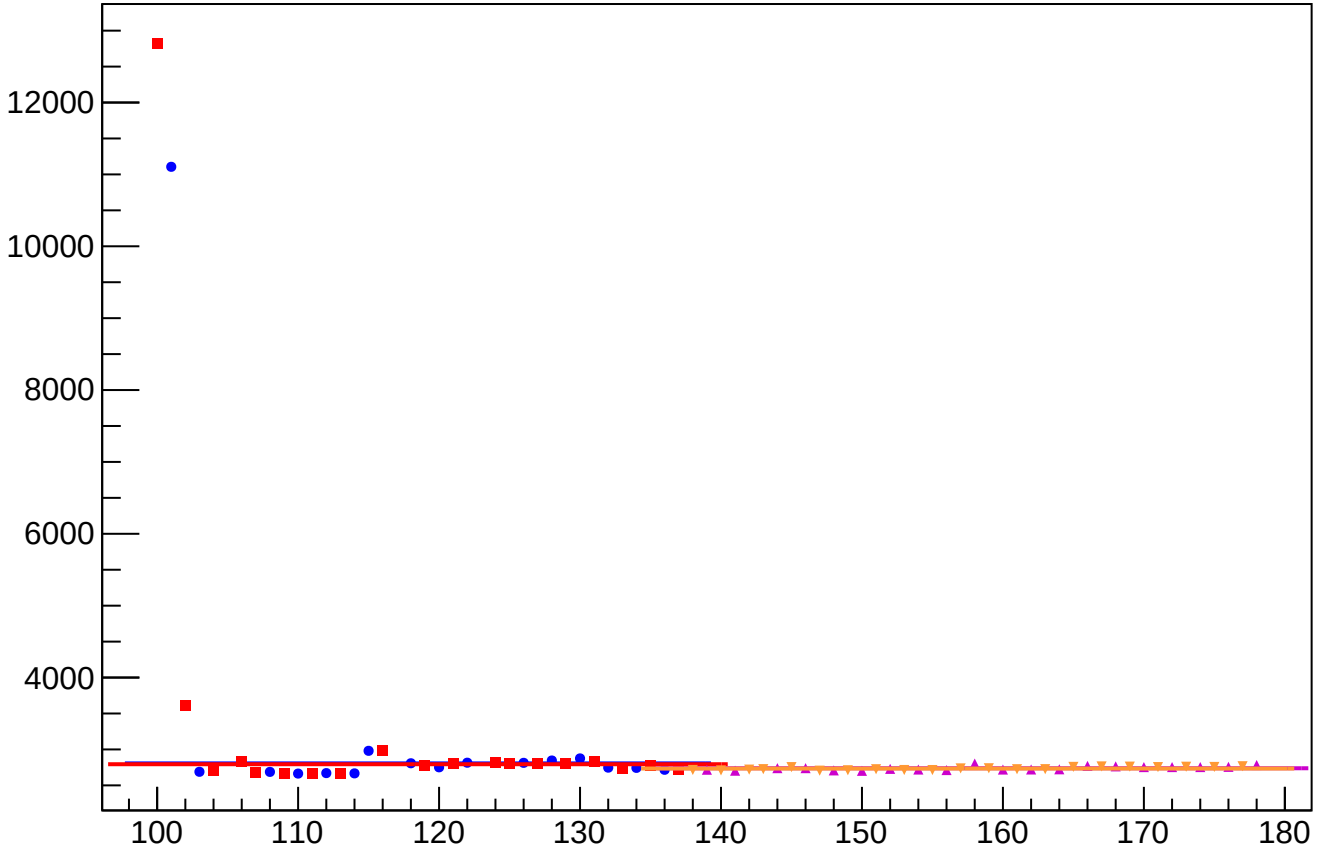
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2349.793+/-572.323 χ^2/NDF:47.2/35

Out: 2391.690+/-562.567 χ^2/NDF:33.0/39

All: 2371.102+/-401.199 χ^2/NDF: 80.2/75

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: 2738.084+/-0.479 χ^2/NDF:3233.9/19

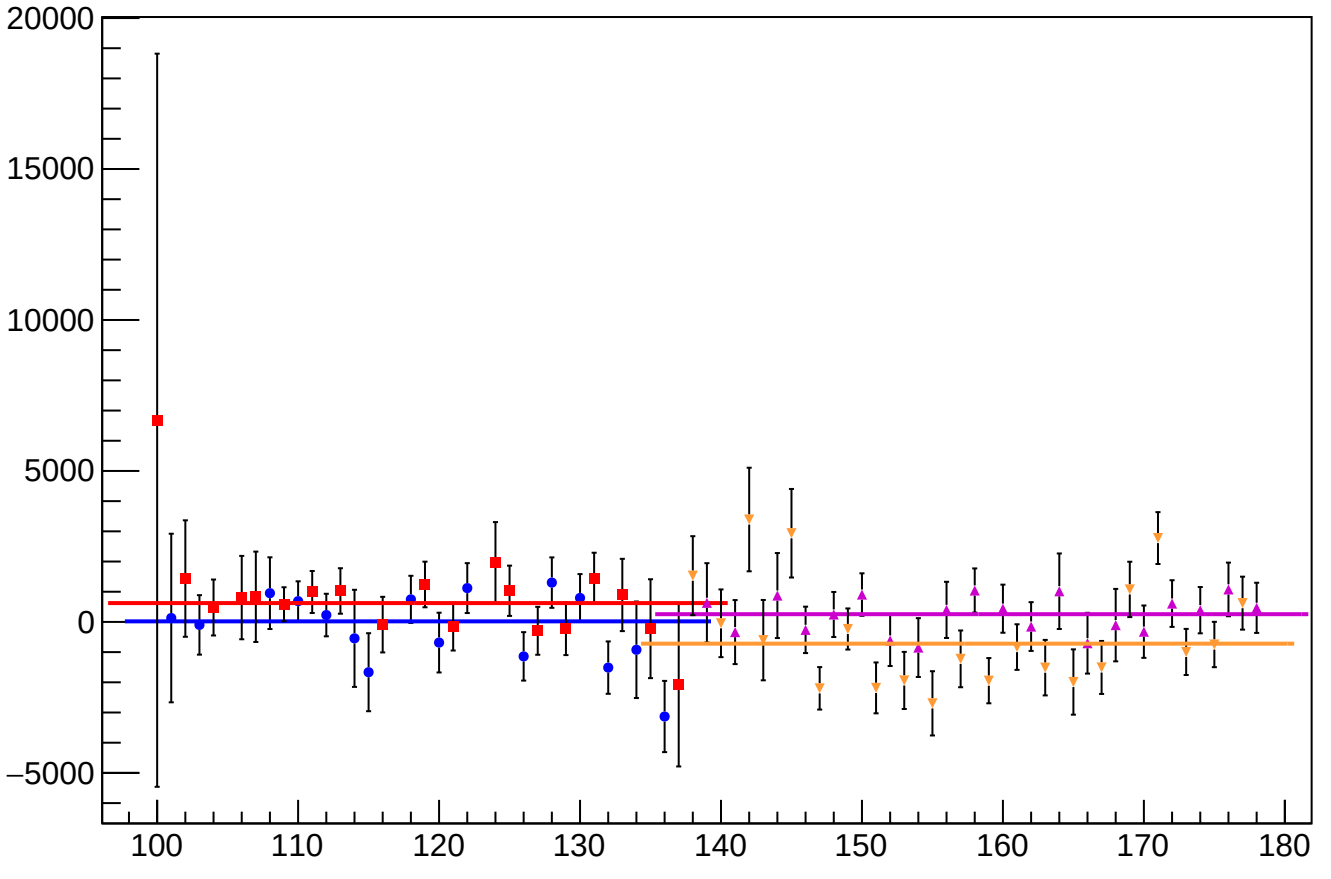
Left: 2736.154+/-0.337 χ^2/NDF: 5166.5/40

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2757.342+/-0.405 χ^2/NDF:755129.9/35

Out: 2751.864+/-0.398 χ^2/NDF:153347.8/39

All: 2754.556+/-0.284 χ^2/NDF: 908570.9/75



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: 256.204+/-196.797 χ^2/NDF:8.7/19

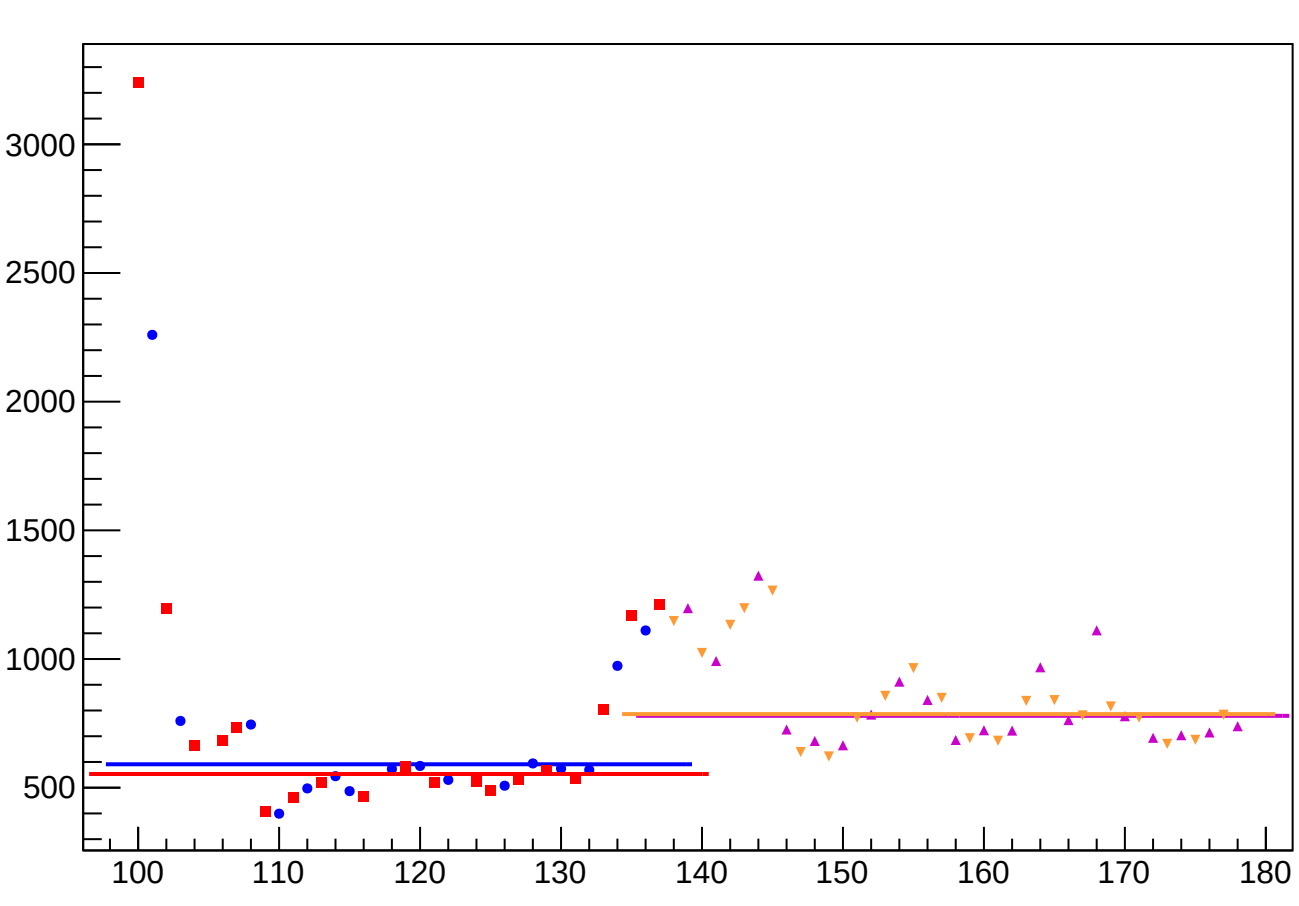
Left: -230.543+/-139.349 χ^2/NDF: 78.1/40

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 157.649+/-150.472 χ^2/NDF:32.1/35

Out: -108.136+/-145.662 χ^2/NDF:87.4/39

All: 20.441+/-104.658 χ^2/NDF: 121.1/75



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: 779.280+/-0.139 χ^2/NDF:1037513.4/19

Left: 782.636+/-0.099 χ^2/NDF: 2214112.9/40

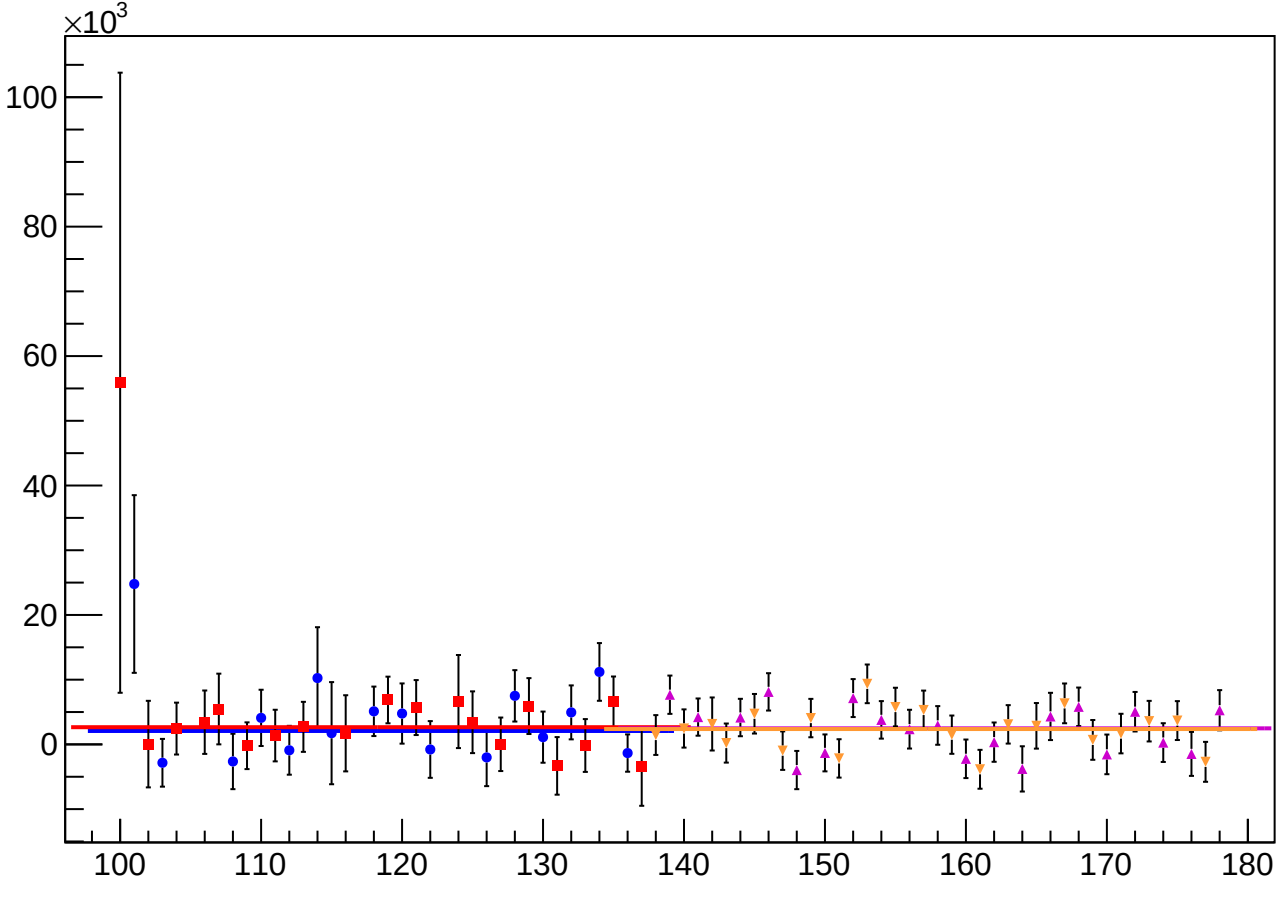
Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 701.089+/-0.106 χ^2/NDF:3364234.4/35

Out: 680.056+/-0.103 χ^2/NDF:3543732.0/39

All: 690.231+/-0.074 χ^2/NDF: 6928139.5/75

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: 2480.506+/-677.653 χ^2/NDF:29.7/19

Left: 2426.138+/-476.407 χ^2/NDF: 52.2/40

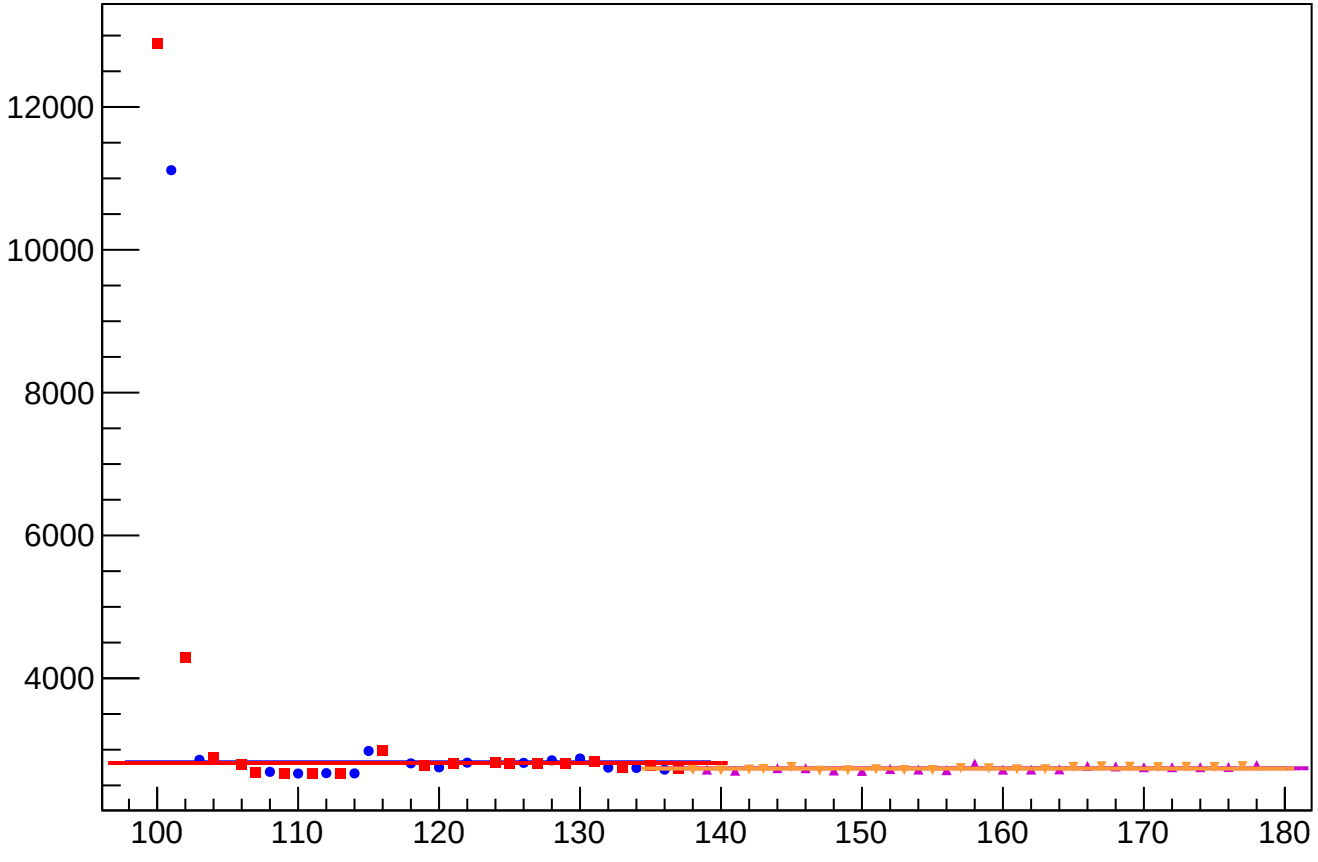
Right: 2373.513+/-751.840 χ^2/NDF: 28.0/34

In: 2365.460+/-573.590 χ^2/NDF:47.7/35

Out: 2455.265+/-564.727 χ^2/NDF:32.4/39

All: 2411.062+/-402.419 χ^2/NDF: 80.1/75

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: 2739.654+/-0.479 χ^2/NDF:3247.7/19

Left: 2737.859+/-0.337 χ^2/NDF: 5194.5/40

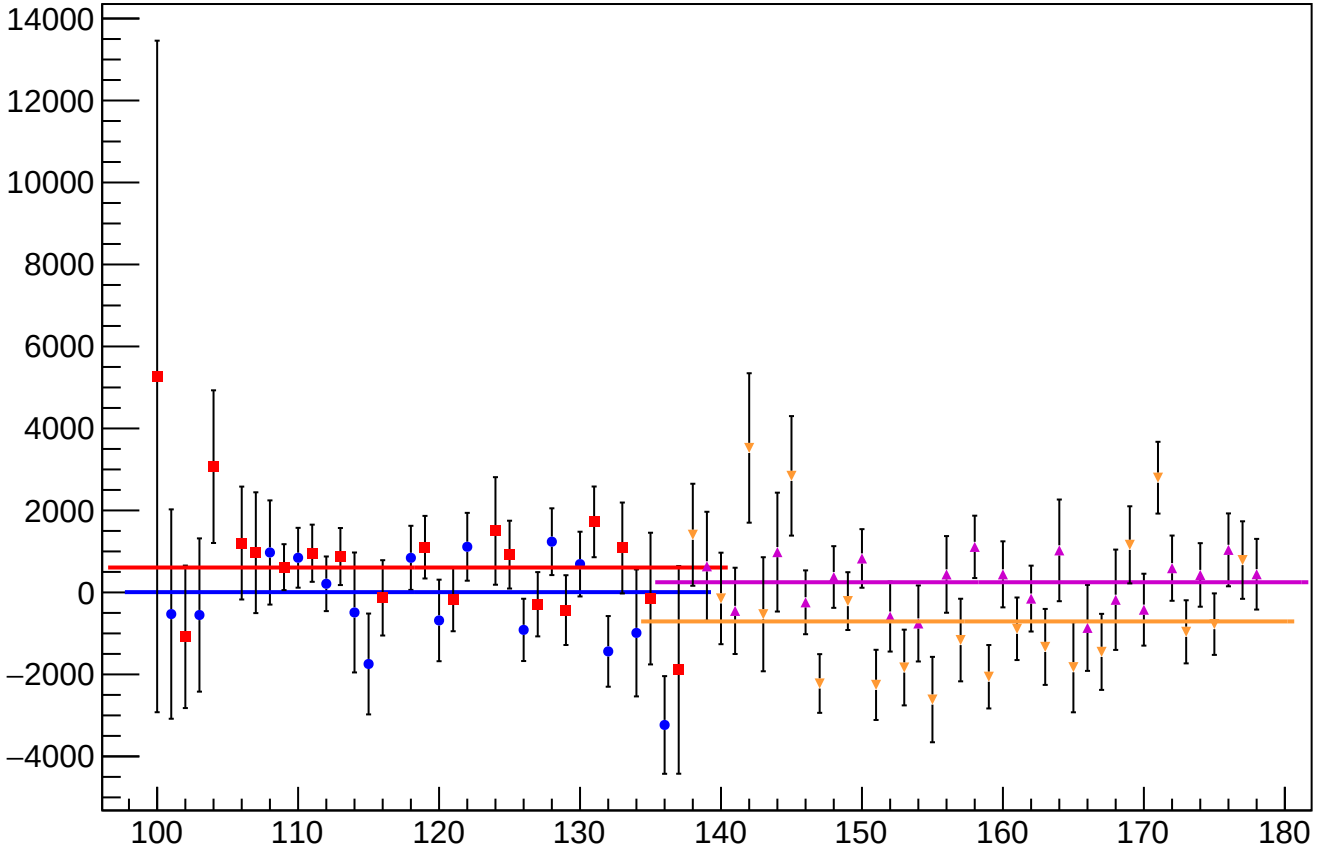
Right: 2818.511+/-0.532 χ^2/NDF: 944509.9/34

In: 2763.414+/-0.406 χ^2/NDF:755834.7/35

Out: 2758.591+/-0.399 χ^2/NDF:210219.4/39

All: 2760.965+/-0.285 χ^2/NDF: 966125.9/75

asym_atr1_dit_correction_mean vs Slug, Sign Corrected



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: 248.531+/-199.228 χ^2/NDF:8.9/19

Left: -224.724+/-141.570 χ^2/NDF: 75.9/40

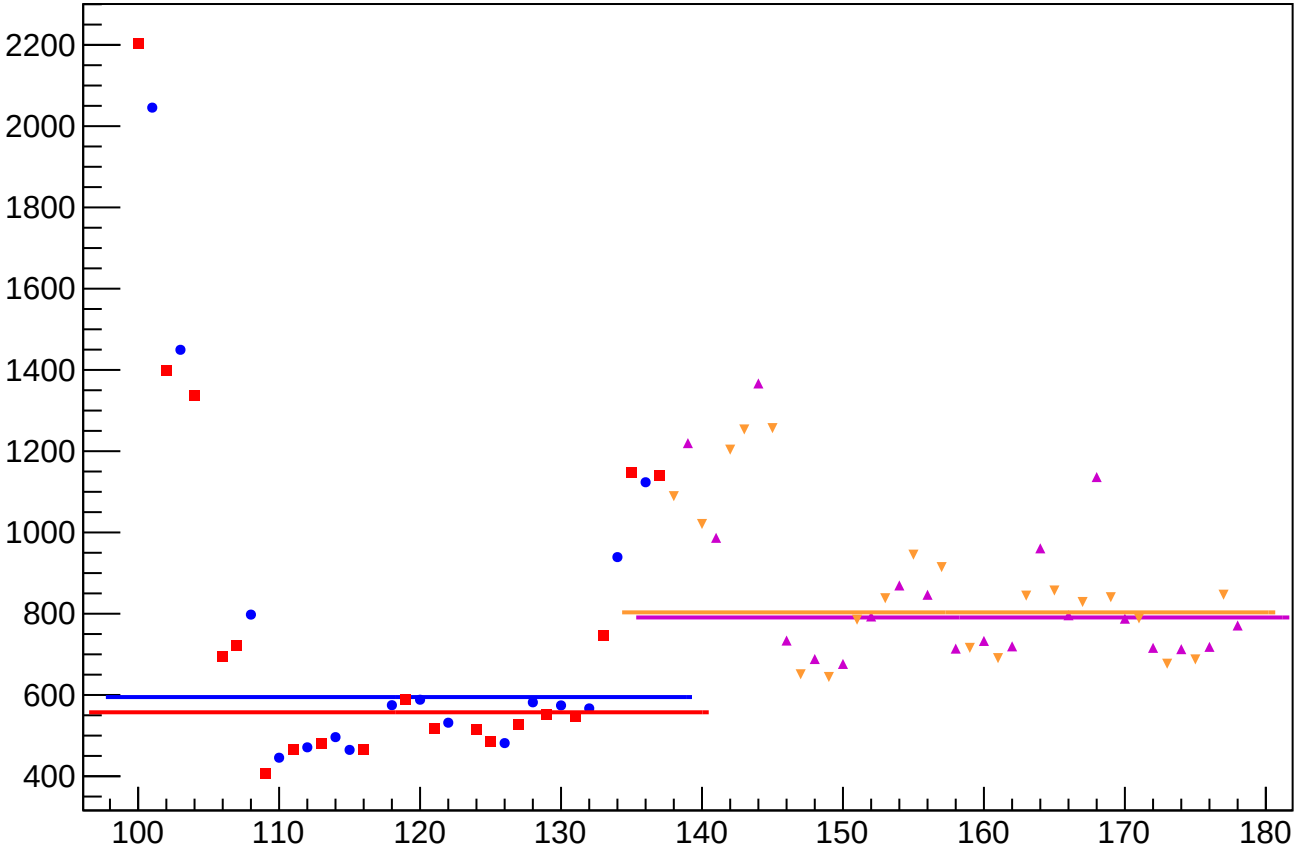
Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 148.768+/-152.624 χ^2/NDF:32.4/35

Out: -99.765+/-147.572 χ^2/NDF:87.5/39

All: 20.320+/-106.090 χ^2/NDF: 121.2/75

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: 790.767+/-0.141 χ^2/NDF:1009143.0/19

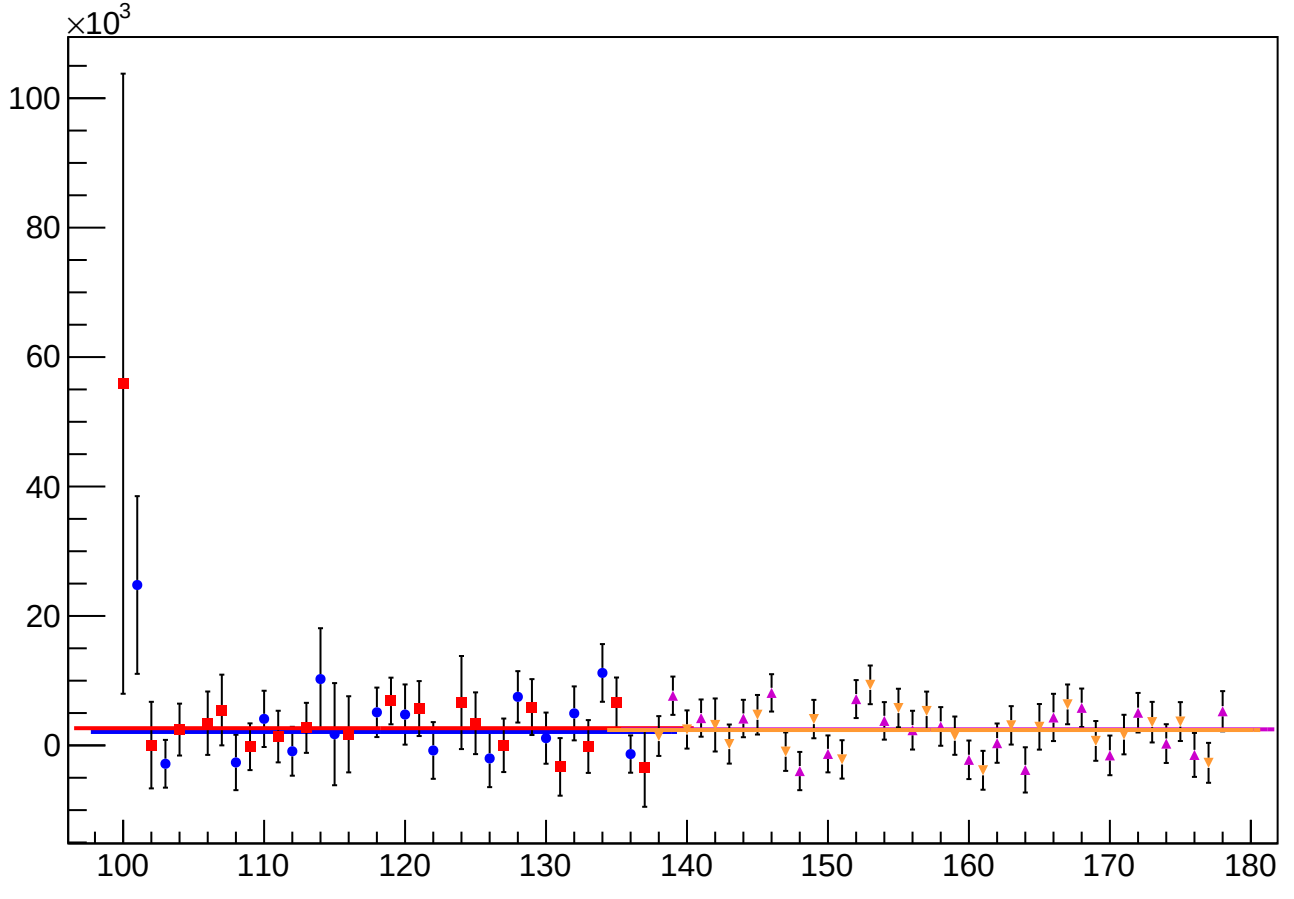
Left: 796.978+/-0.100 χ^2/NDF: 2140624.6/40

Right: 574.453+/-0.113 χ^2/NDF: 3511078.0/34

In: 709.832+/-0.108 χ^2/NDF:3660756.4/35

Out: 689.682+/-0.104 χ^2/NDF:4139353.6/39

All: 699.418+/-0.075 χ^2/NDF: 7818127.6/75



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: 2480.506+/-677.653 χ^2/NDF:29.7/19

Left: 2426.139+/-476.407 χ^2/NDF: 52.2/40

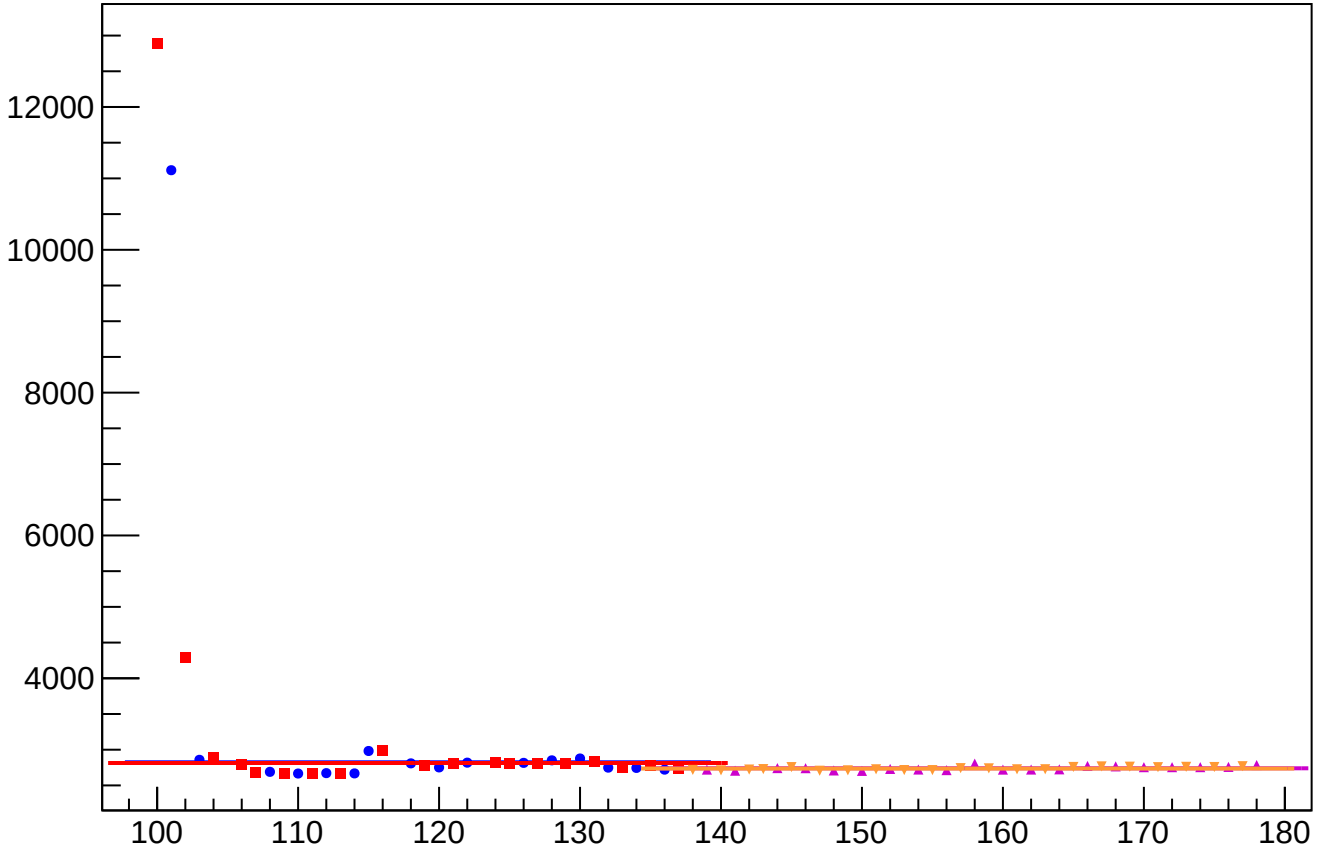
Right: 2373.512+/-751.840 χ^2/NDF: 28.0/34

In: 2365.460+/-573.590 χ^2/NDF:47.7/35

Out: 2455.266+/-564.727 χ^2/NDF:32.4/39

All: 2411.062+/-402.419 χ^2/NDF: 80.1/75

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: 2739.654+/-0.479 χ^2/NDF:3247.7/19

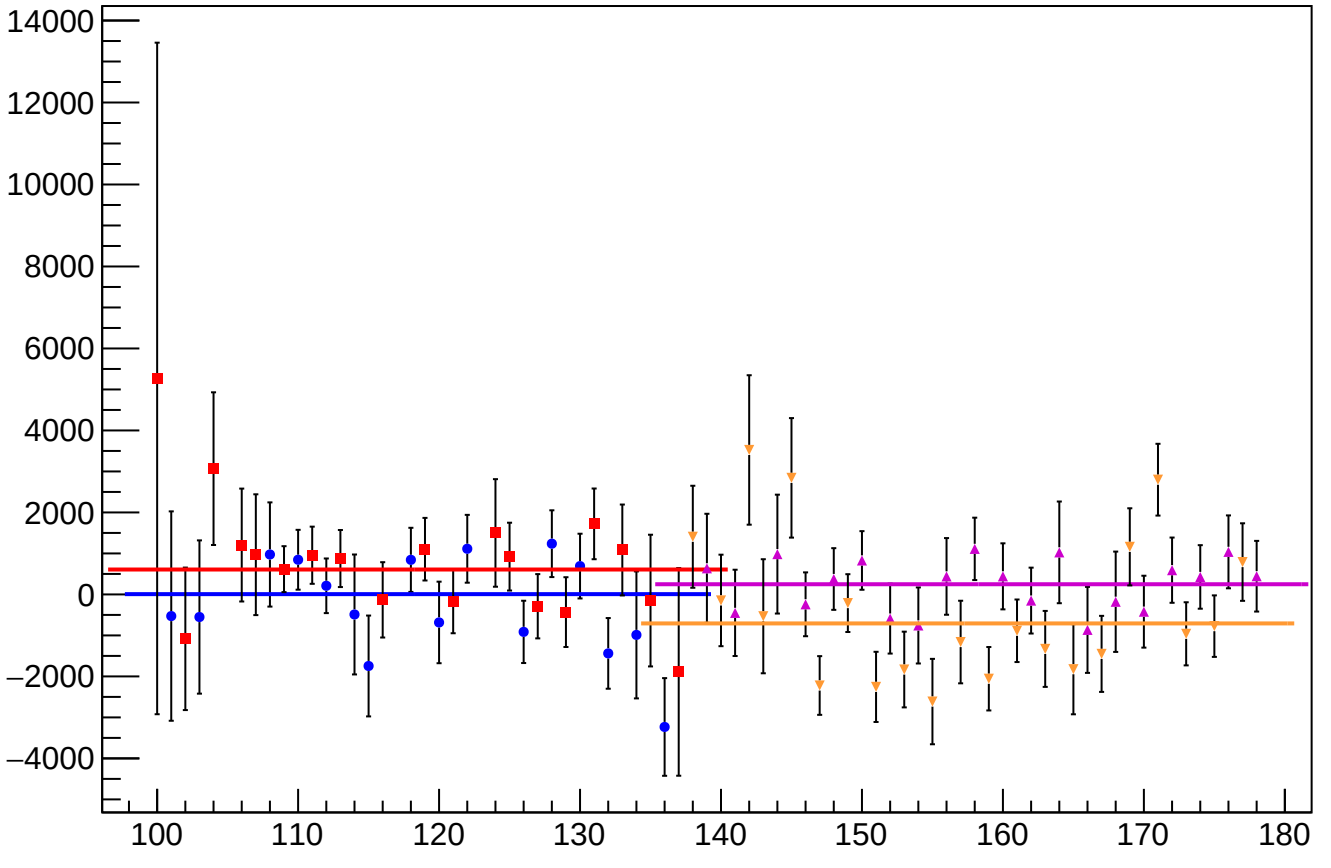
Left: 2737.859+/-0.337 χ^2/NDF: 5194.5/40

Right: 2818.511+/-0.532 χ^2/NDF: 944509.7/34

In: 2763.414+/-0.406 χ^2/NDF:755834.7/35

Out: 2758.591+/-0.399 χ^2/NDF:210219.2/39

All: 2760.965+/-0.285 χ^2/NDF: 966125.6/75



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: 248.531+/-199.228 χ^2/NDF:8.9/19

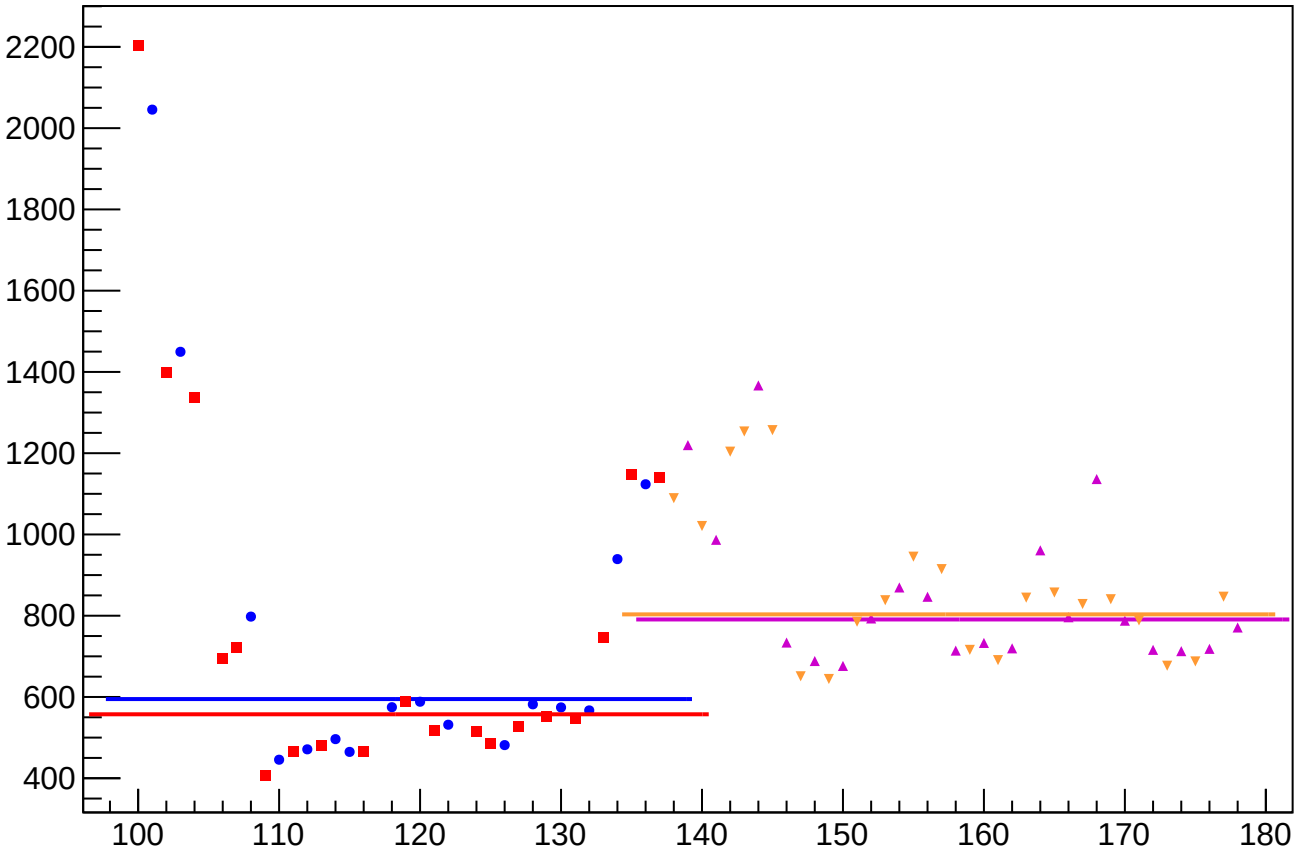
Left: -224.724+/-141.570 χ^2/NDF: 75.9/40

Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 148.769+/-152.624 χ^2/NDF:32.4/35

Out: -99.765+/-147.572 χ^2/NDF:87.5/39

All: 20.320+/-106.090 χ^2/NDF: 121.2/75



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: 790.767+/-0.141 χ^2/NDF:1009147.0/19

Left: 796.978+/-0.100 χ^2/NDF: 2140631.5/40

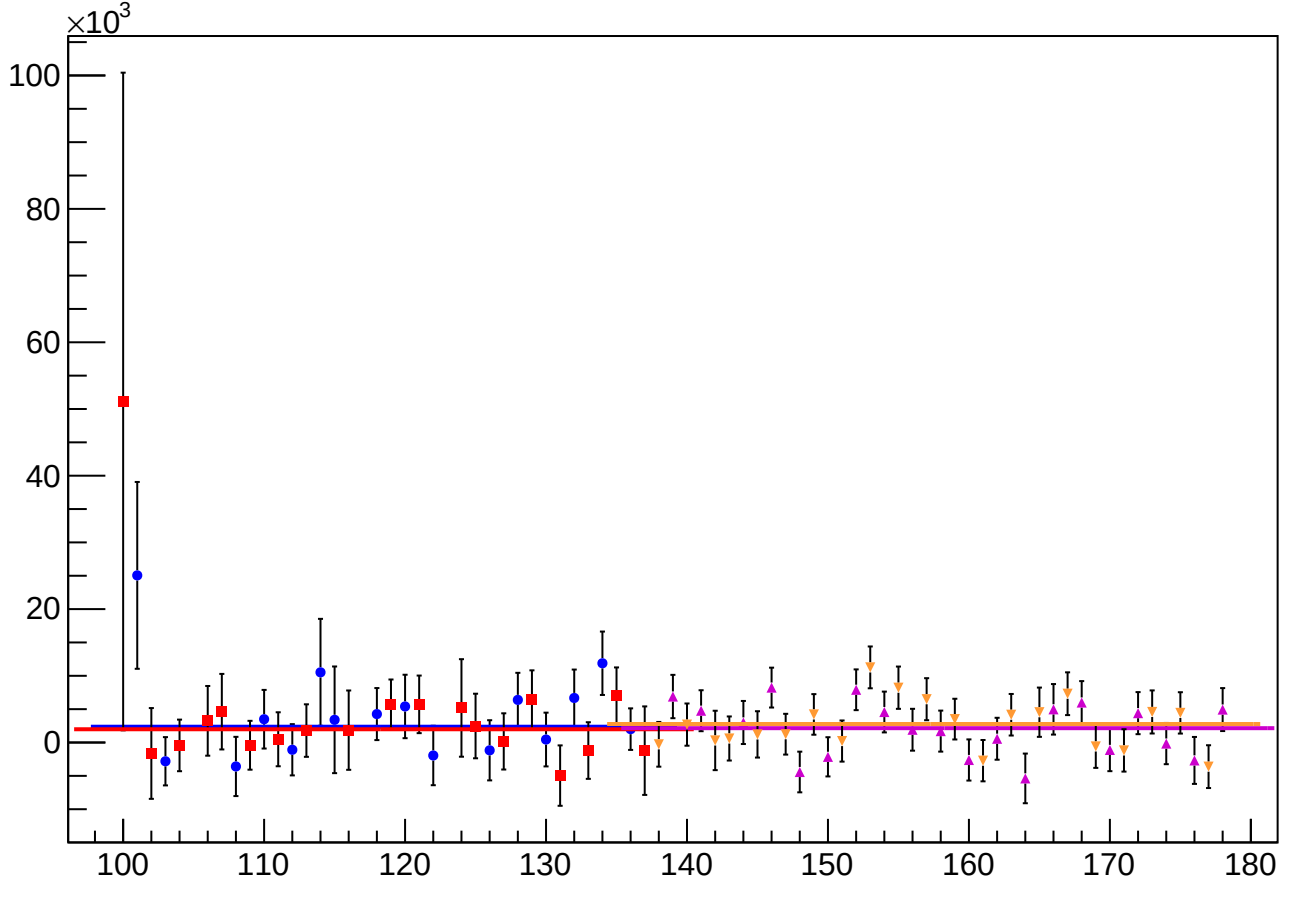
Right: 574.453+/-0.113 χ^2/NDF: 3511070.4/34

In: 709.832+/-0.108 χ^2/NDF:3660749.8/35

Out: 689.682+/-0.104 χ^2/NDF:4139352.4/39

All: 699.418+/-0.075 χ^2/NDF: 7818119.8/75

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: 2148.808+/-710.769 χ^2/NDF:31.5/19

Left: 2464.282+/-500.389 χ^2/NDF: 59.4/40

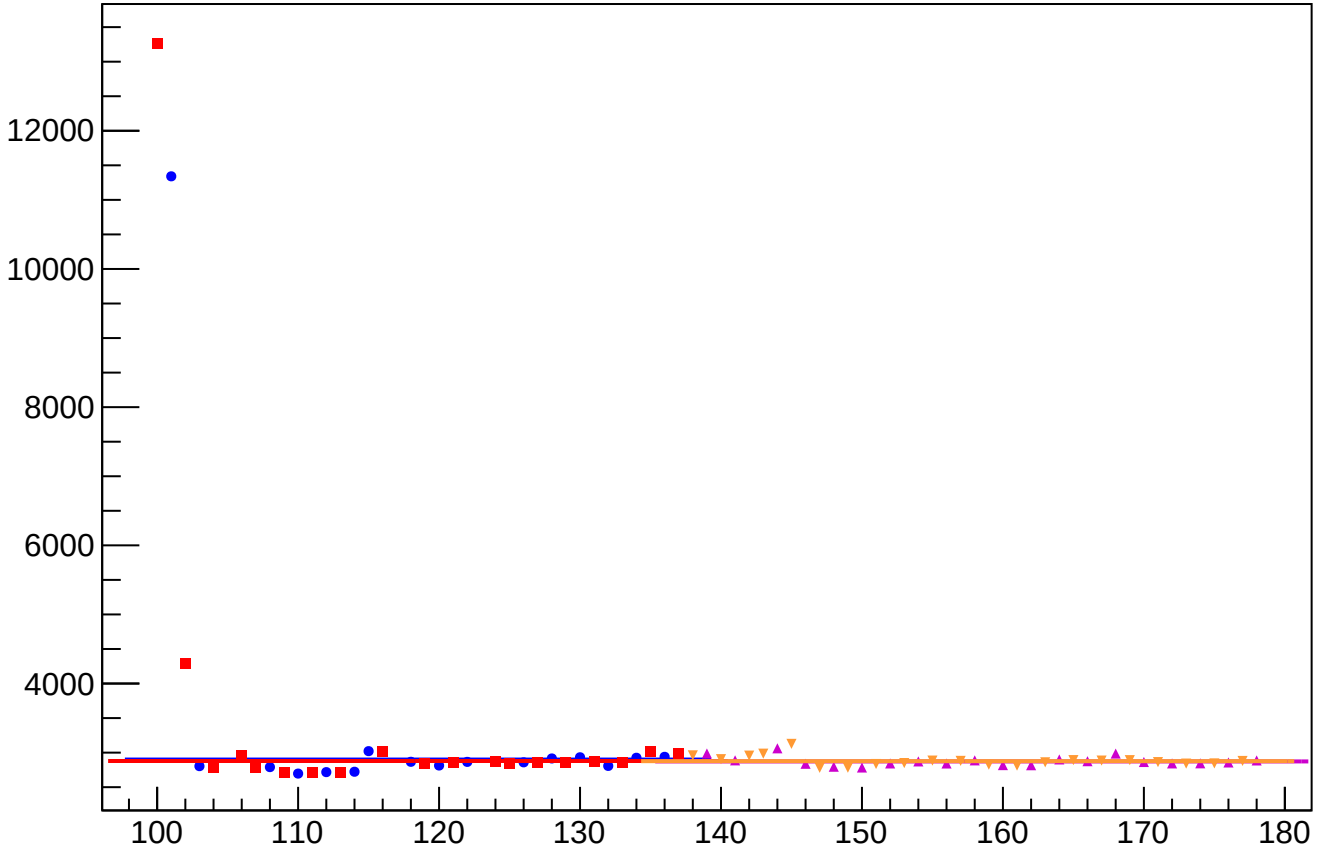
Right: 2171.724+/-771.049 χ^2/NDF: 27.2/34

In: 2212.616+/-597.972 χ^2/NDF:48.4/35

Out: 2537.820+/-589.340 χ^2/NDF:38.1/39

All: 2377.582+/-419.745 χ^2/NDF: 86.7/75

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: 2872.693+/-0.503 χ^2/NDF:17412.8/19

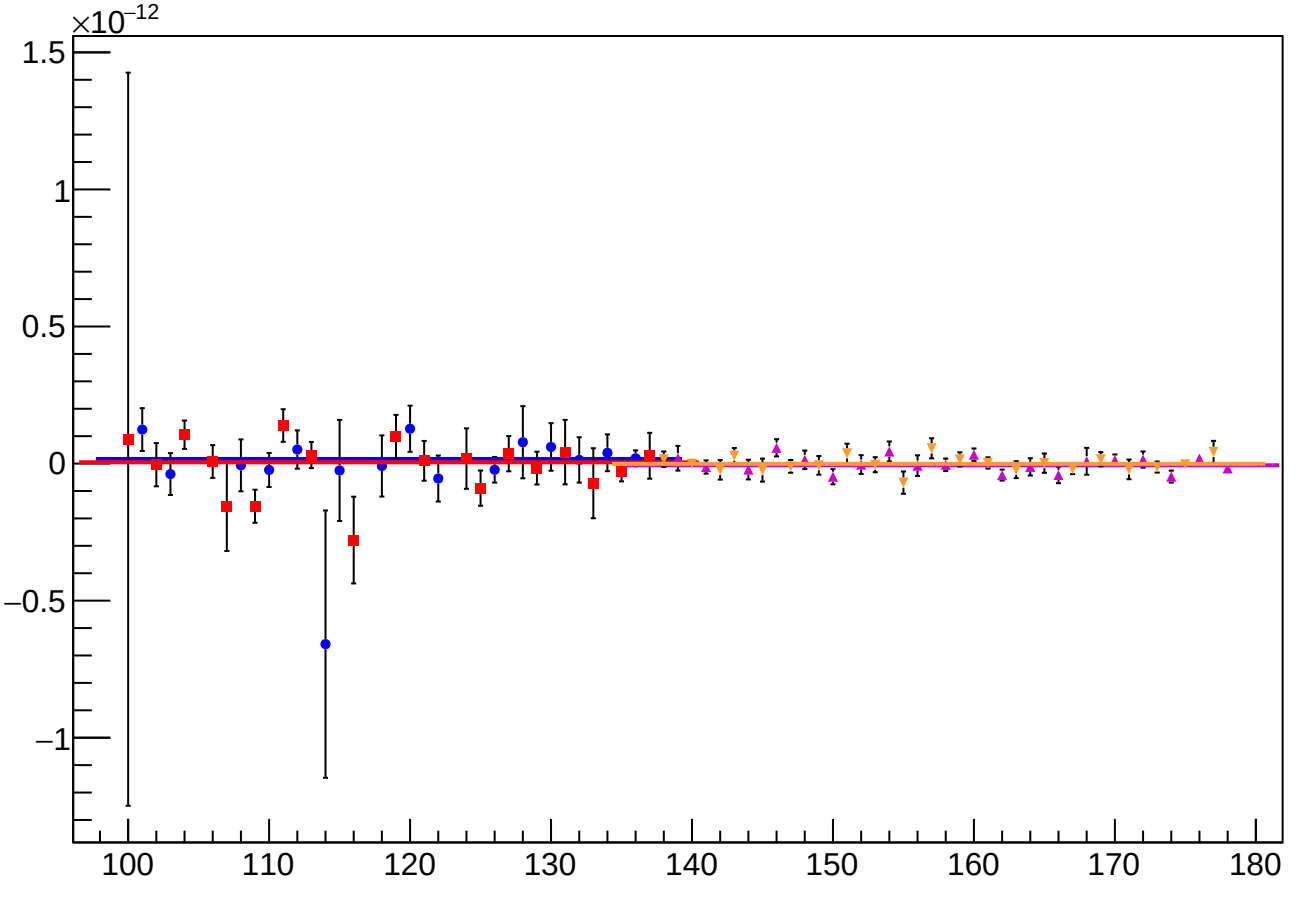
Left: 2874.649+/-0.354 χ^2/NDF: 38572.5/40

Right: 2889.097+/-0.545 χ^2/NDF: 935466.6/34

In: 2880.622+/-0.423 χ^2/NDF:760082.7/35

Out: 2877.289+/-0.417 χ^2/NDF:214419.0/39

All: 2878.931+/-0.297 χ^2/NDF: 974533.2/75



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:24.8/19

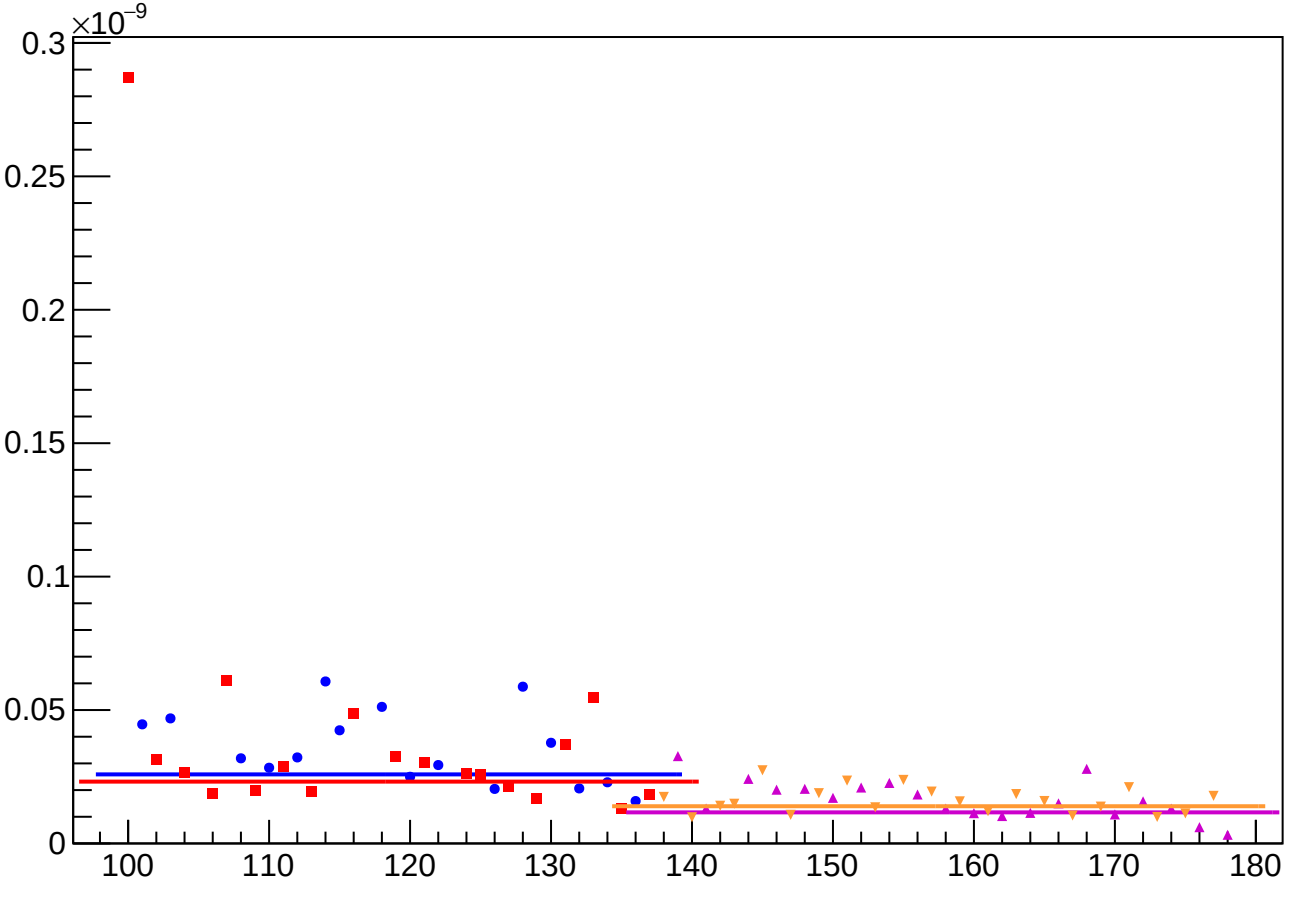
Left: -0.000+/-0.000 χ^2/NDF: 38.2/40

Right: 0.000+/-0.000 χ^2/NDF: 34.9/34

In: -0.000+/-0.000 χ^2/NDF:35.4/35

Out: -0.000+/-0.000 χ^2/NDF:38.8/39

All: -0.000+/-0.000 χ^2/NDF: 74.4/75



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:3006167.5/19

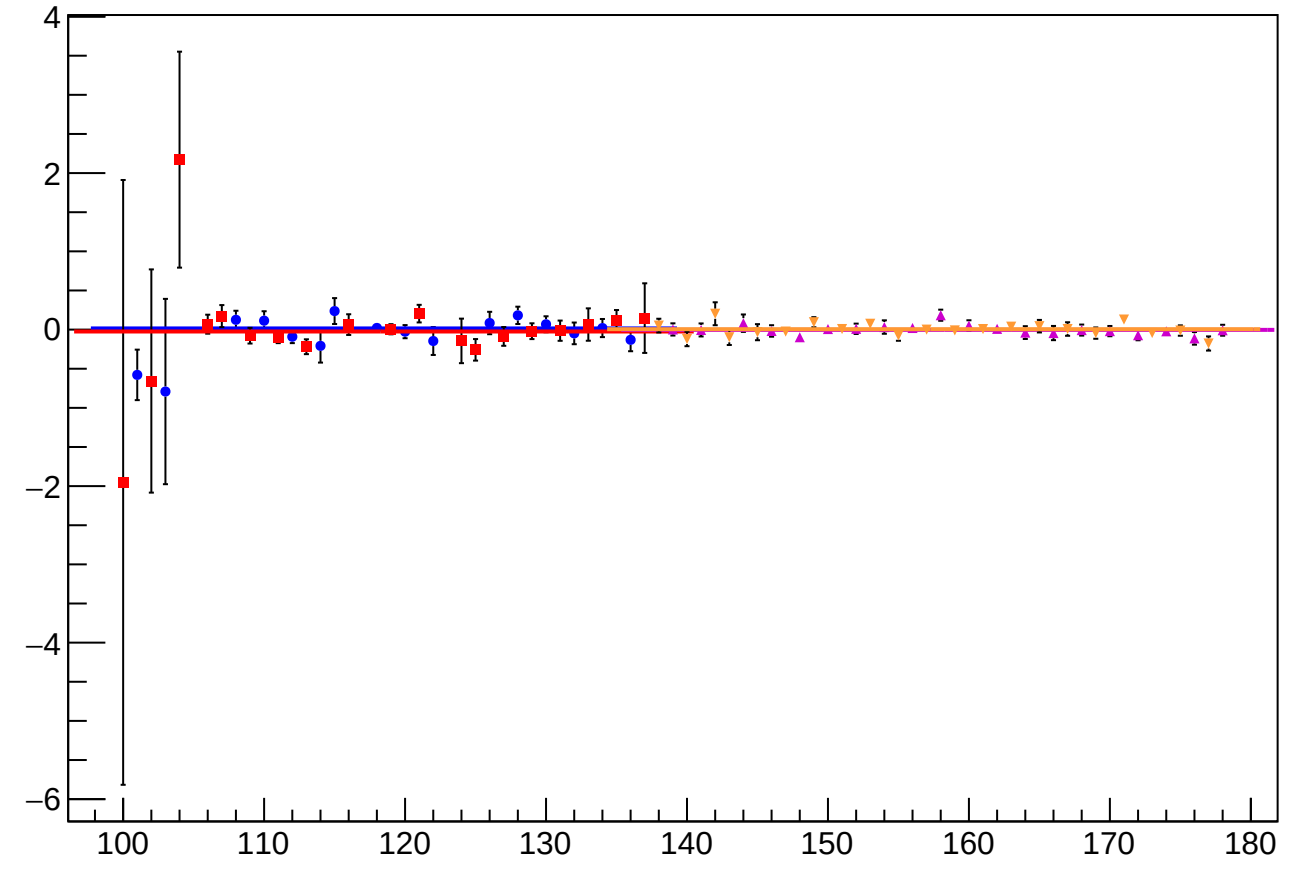
Left: 0.000+/-0.000 χ^2/NDF: 4277731.7/40

Right: 0.000+/-0.000 χ^2/NDF: 1581998.9/34

In: 0.000+/-0.000 χ^2/NDF:5161396.5/35

Out: 0.000+/-0.000 χ^2/NDF:2401428.5/39

All: 0.000+/-0.000 χ^2/NDF: 7713887.8/75



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:14.3/19

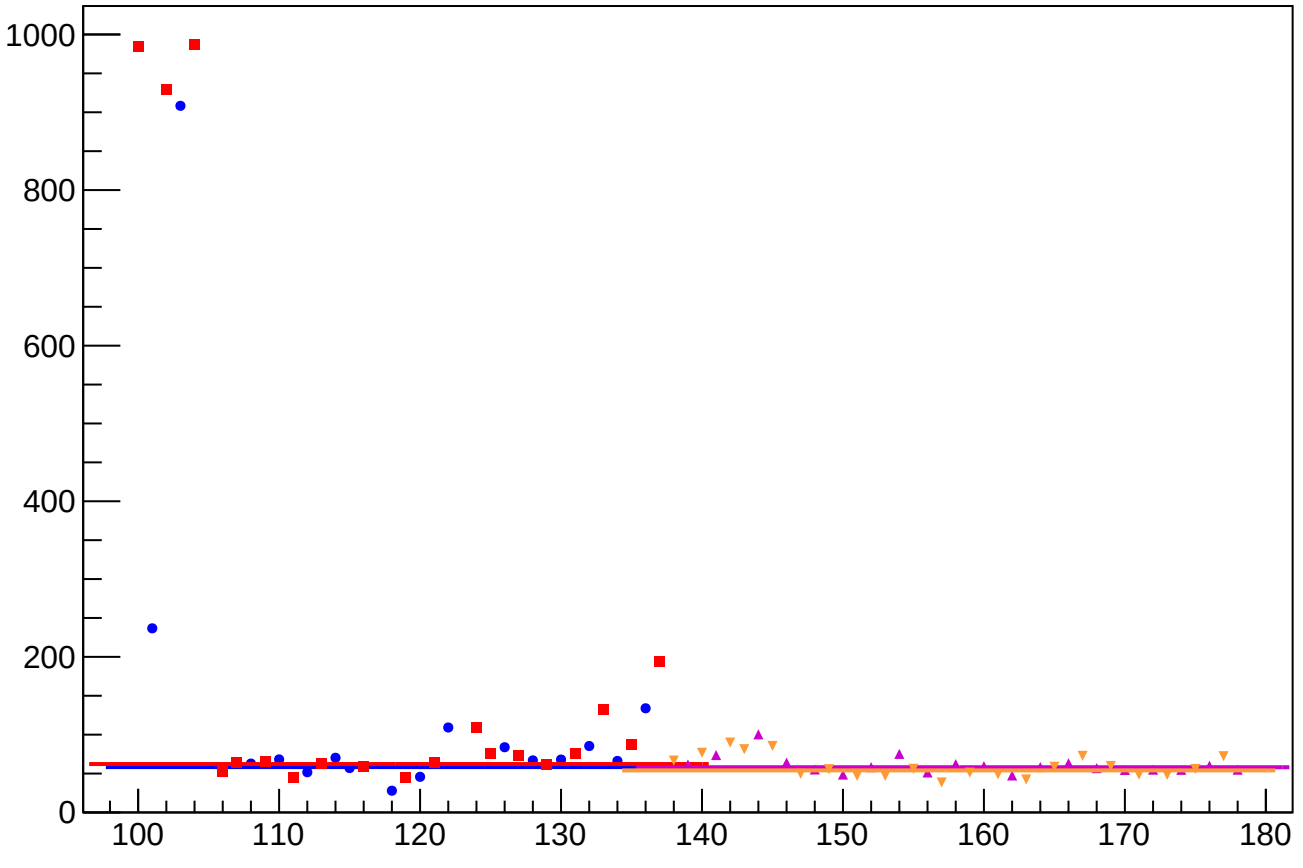
Left: 0.001+/-0.011 χ^2/NDF: 34.8/40

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.001+/-0.014 χ^2/NDF:29.7/35

Out: -0.001+/-0.013 χ^2/NDF:42.0/39

All: -0.000+/-0.010 χ^2/NDF: 71.7/75



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: 58.129+/-0.011 χ^2/NDF:641899.9/19

Left: 56.013+/-0.008 χ^2/NDF: 1886003.5/40

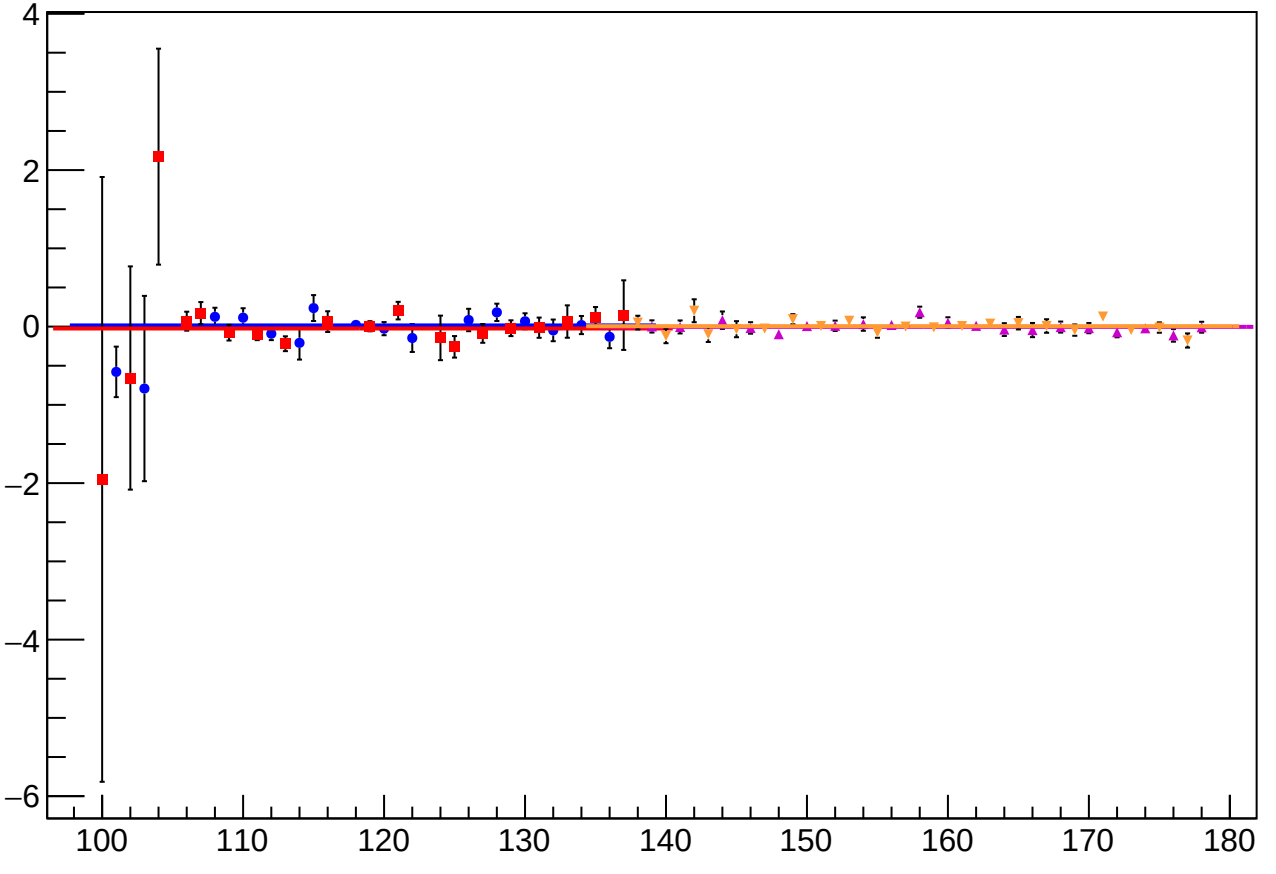
Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 58.173+/-0.010 χ^2/NDF:3902370.3/35

Out: 55.907+/-0.009 χ^2/NDF:3933527.5/39

All: 57.002+/-0.007 χ^2/NDF: 7864139.4/75

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:14.3/19

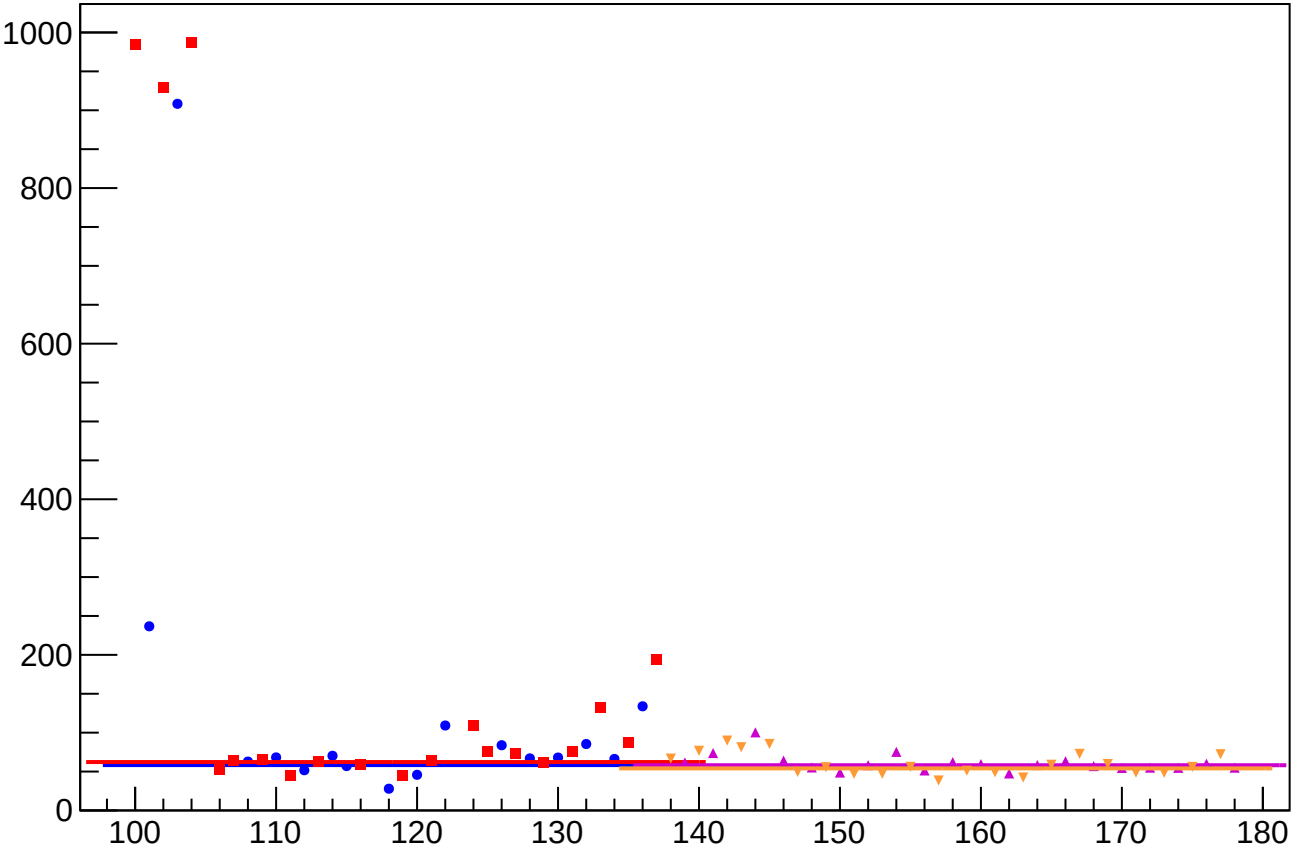
Left: 0.001+/-0.011 χ^2/NDF: 34.8/40

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.001+/-0.014 χ^2/NDF:29.7/35

Out: -0.001+/-0.013 χ^2/NDF:42.0/39

All: -0.000+/-0.010 χ^2/NDF: 71.7/75



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: 58.129+/-0.011 χ^2/NDF:641899.9/19

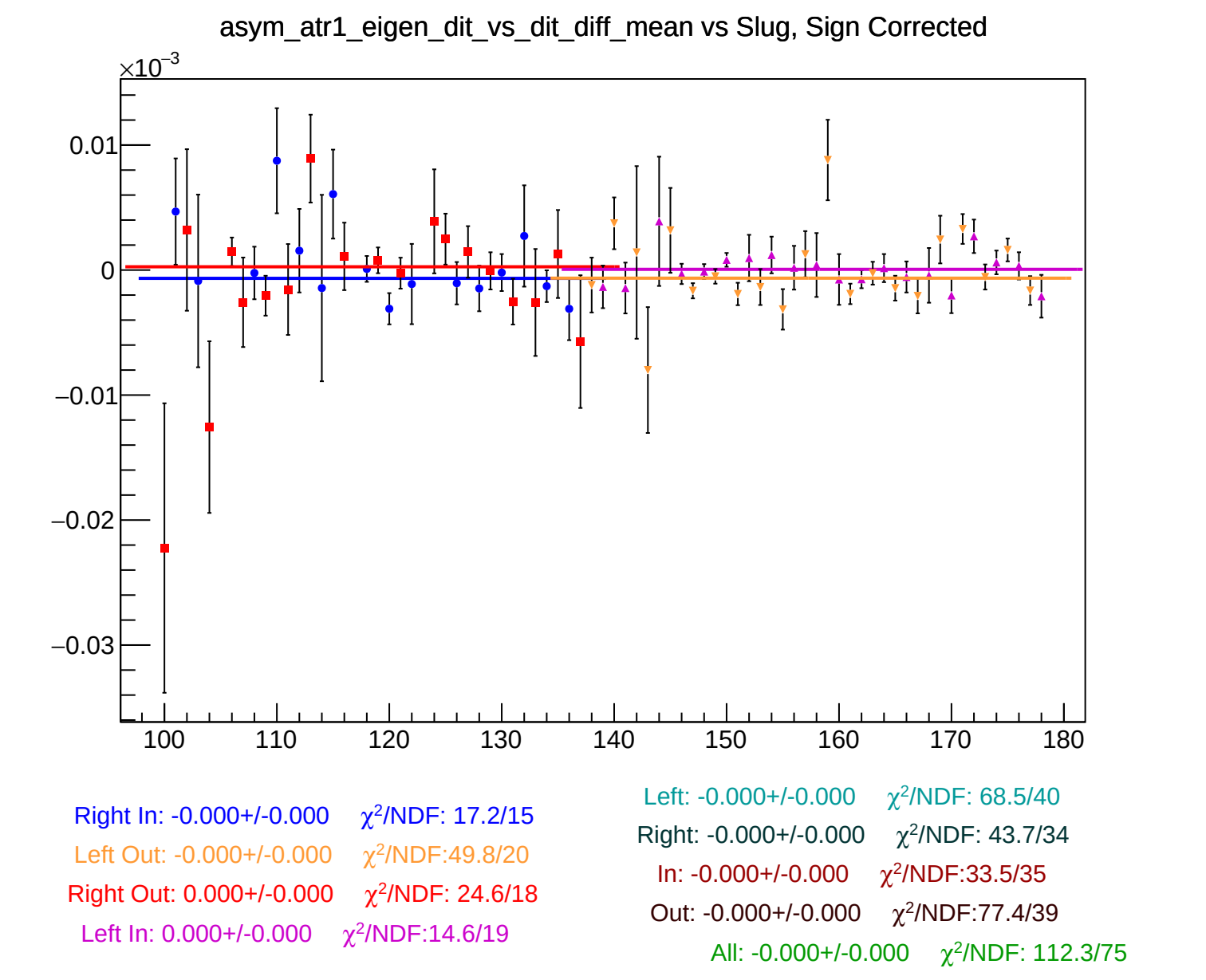
Left: 56.013+/-0.008 χ^2/NDF: 1886003.5/40

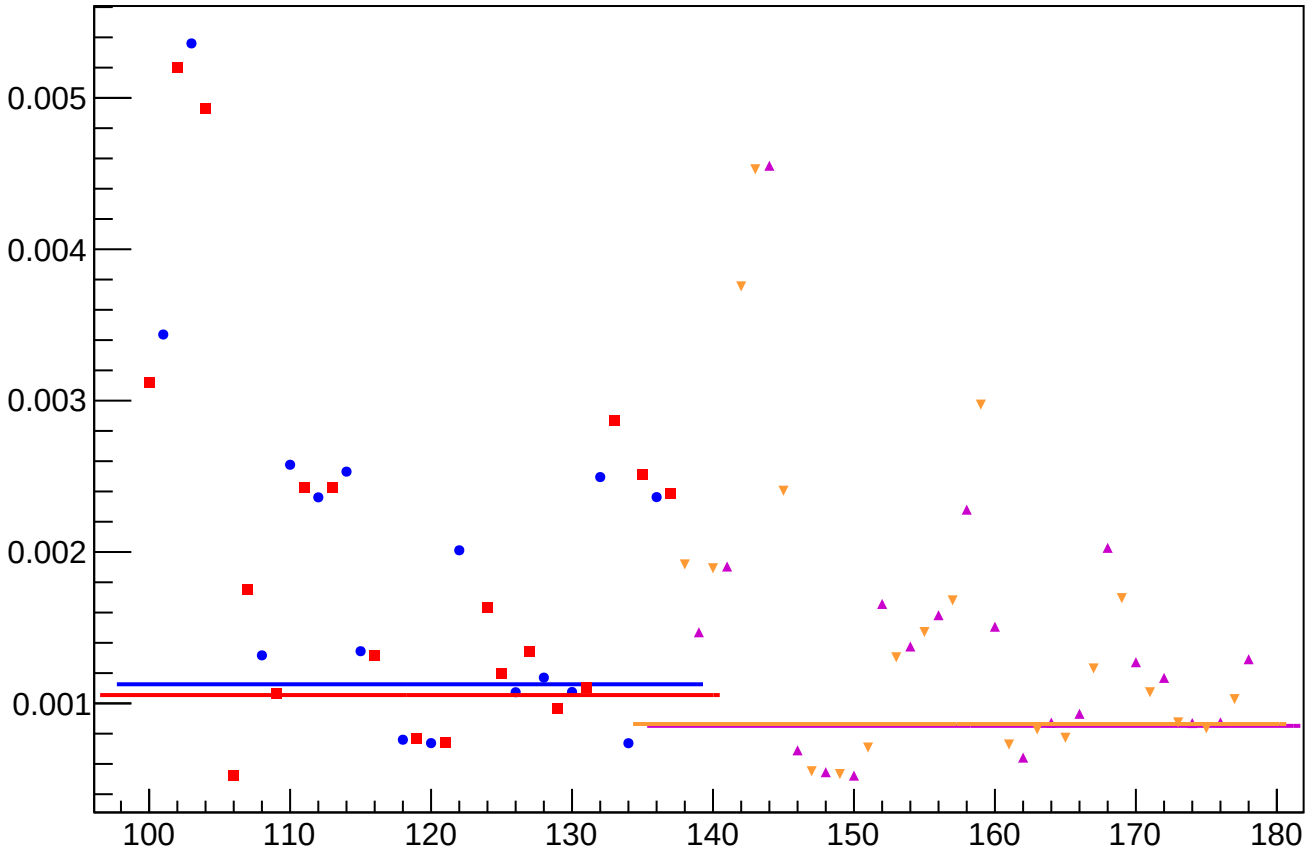
Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 58.173+/-0.010 χ^2/NDF:3902370.3/35

Out: 55.907+/-0.009 χ^2/NDF:3933527.5/39

All: 57.002+/-0.007 χ^2/NDF: 7864139.4/75


asym_atr1_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.01
0
−0.01
−0.02
−0.03
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 17.2/15
Left Out: -0.000+/-0.000 χ²/NDF:49.8/20
Right Out: 0.000+/-0.000 χ²/NDF: 24.6/18
Left In: 0.000+/-0.000 χ²/NDF:14.6/19
Left: -0.000+/-0.000 χ²/NDF: 68.5/40
Right: -0.000+/-0.000 χ²/NDF: 43.7/34
In: -0.000+/-0.000 χ²/NDF:33.5/35
Out: -0.000+/-0.000 χ²/NDF:77.4/39
All: -0.000+/-0.000 χ²/NDF: 112.3/75



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:6134052.1/19

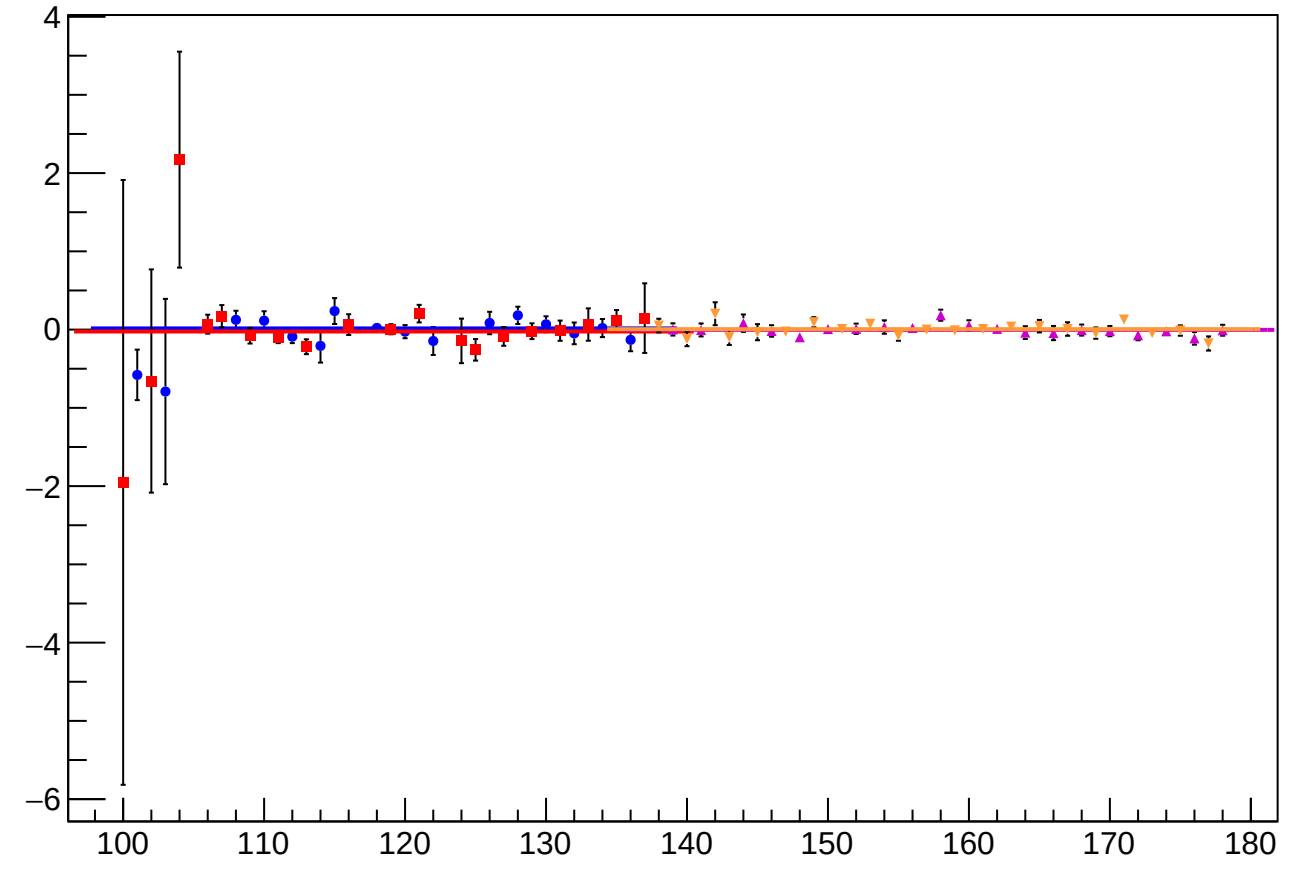
Left: 0.001+/-0.000 χ^2/NDF: 12564261.1/40

Right: 0.001+/-0.000 χ^2/NDF: 7323820.3/34

In: 0.001+/-0.000 χ^2/NDF:10089978.1/35

Out: 0.001+/-0.000 χ^2/NDF:10541858.6/39

All: 0.001+/-0.000 χ^2/NDF: 20631884.3/75



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:14.3/19

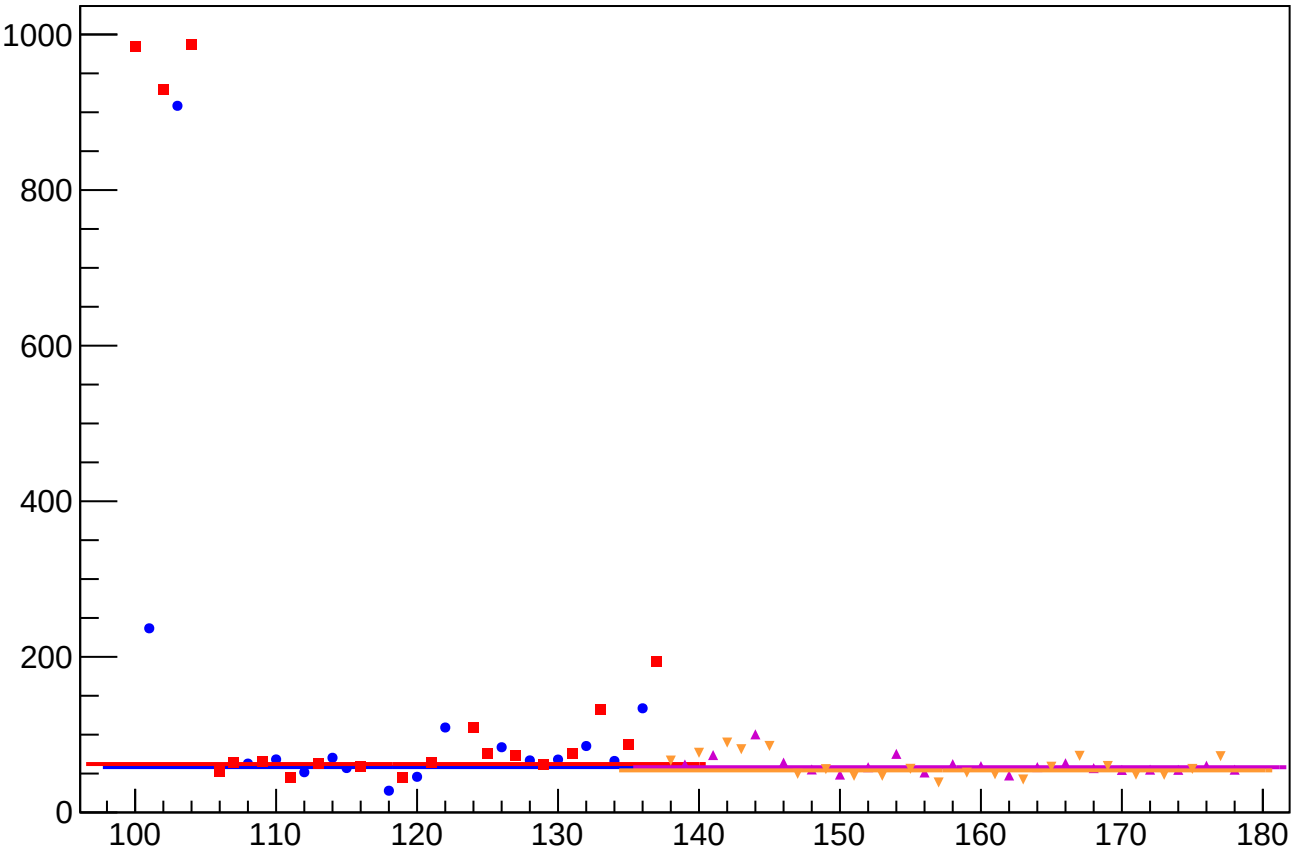
Left: 0.001+/-0.011 χ^2/NDF: 34.8/40

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.001+/-0.014 χ^2/NDF:29.7/35

Out: -0.001+/-0.013 χ^2/NDF:42.0/39

All: -0.000+/-0.010 χ^2/NDF: 71.7/75



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: 58.129+/-0.011 χ^2/NDF:641923.4/19

Left: 56.012+/-0.008 χ^2/NDF: 1886113.9/40

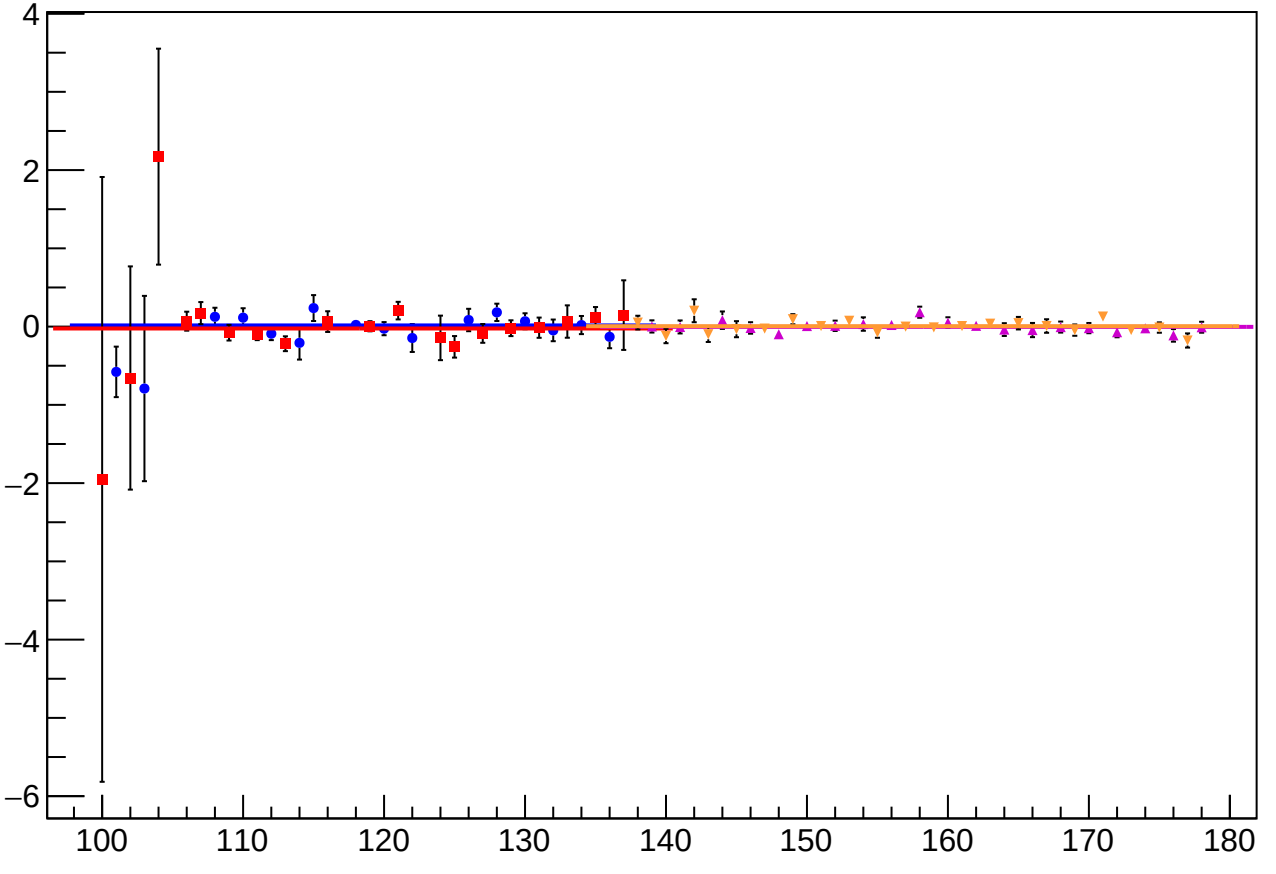
Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 58.173+/-0.010 χ^2/NDF:3902473.1/35

Out: 55.907+/-0.009 χ^2/NDF:3933599.7/39

All: 57.001+/-0.007 χ^2/NDF: 7864320.3/75

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:14.3/19

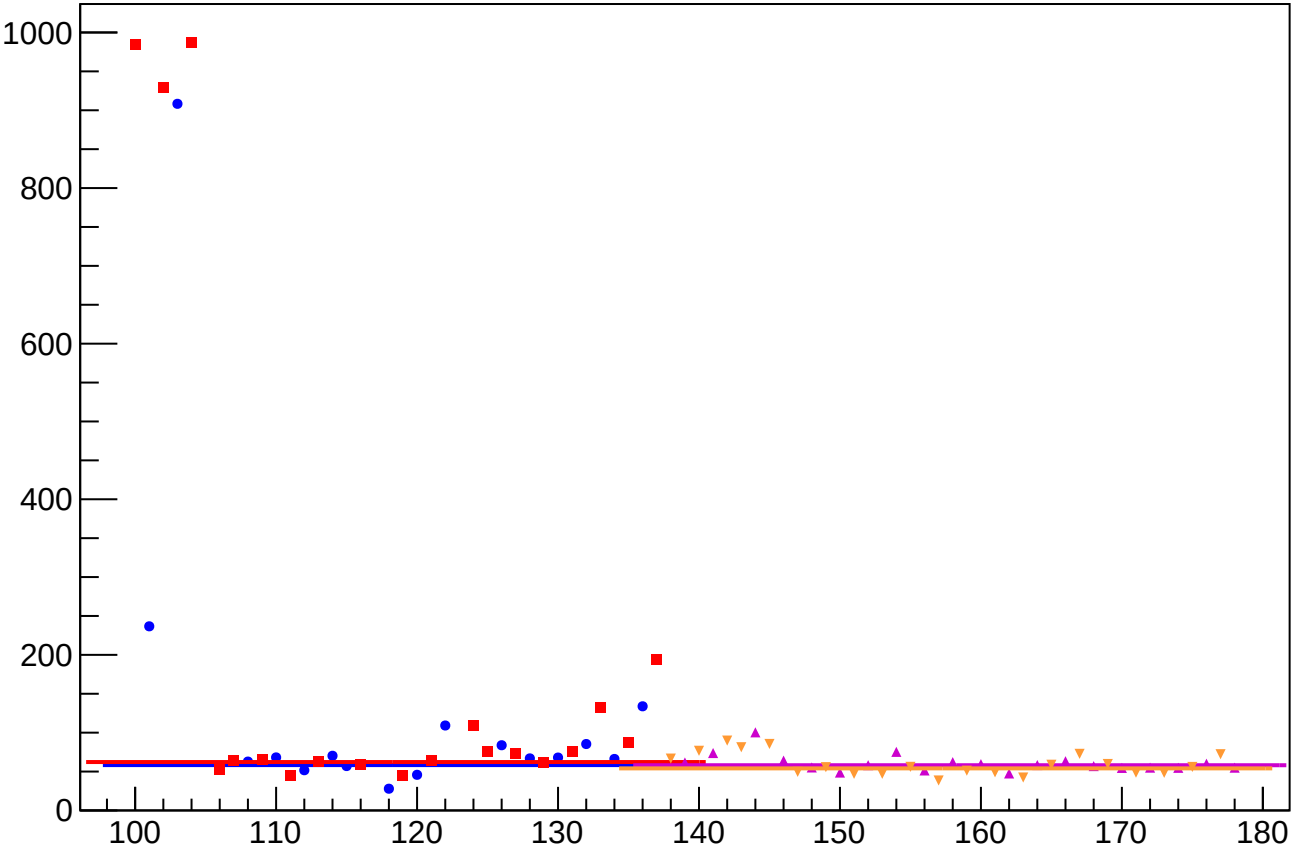
Left: 0.001+/-0.011 χ^2/NDF: 34.8/40

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.001+/-0.014 χ^2/NDF:29.7/35

Out: -0.001+/-0.013 χ^2/NDF:42.0/39

All: -0.000+/-0.010 χ^2/NDF: 71.7/75



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: 58.129+/-0.011 χ^2/NDF:641923.4/19

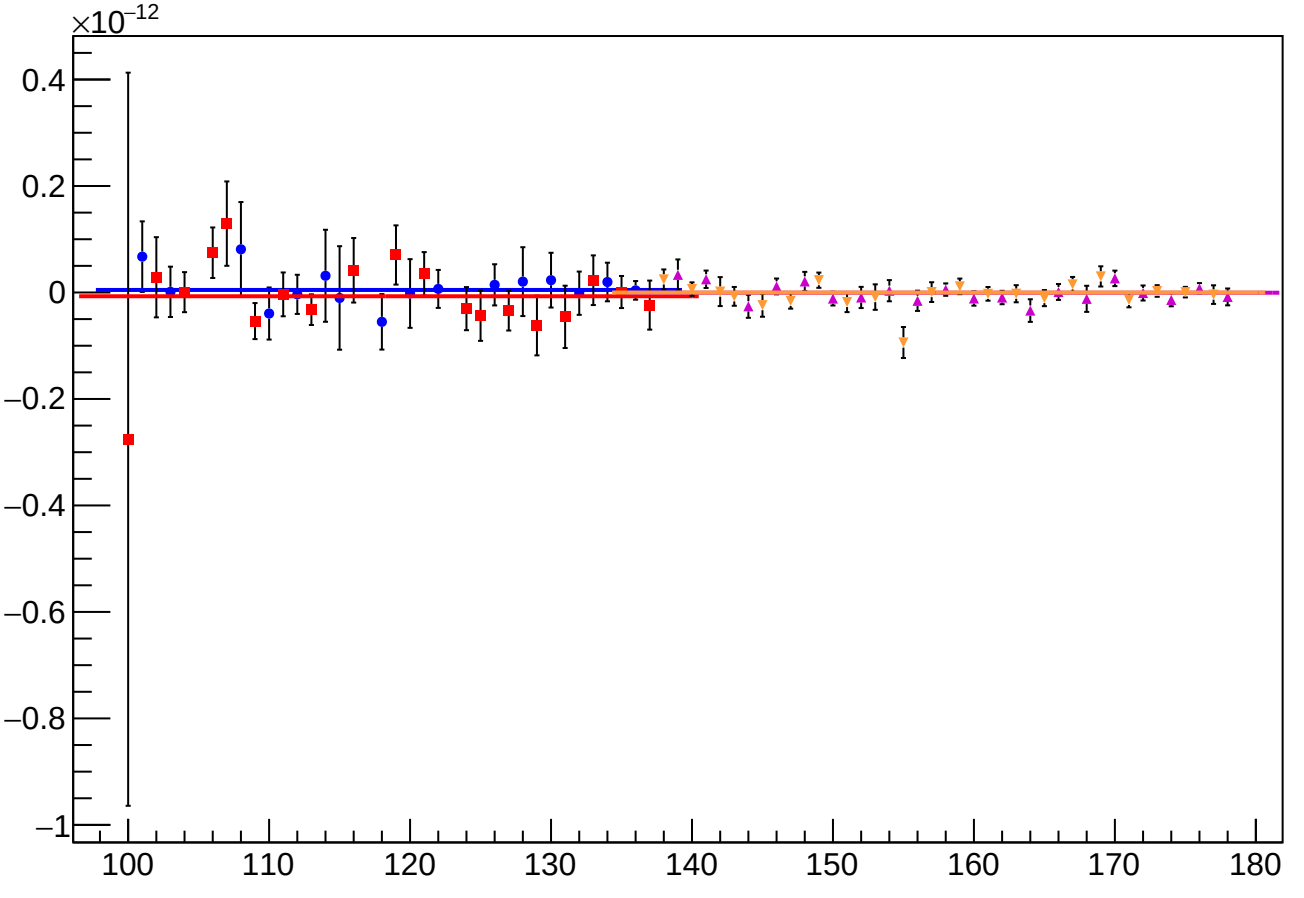
Left: 56.012+/-0.008 χ^2/NDF: 1886113.9/40

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 58.173+/-0.010 χ^2/NDF:3902473.1/35

Out: 55.907+/-0.009 χ^2/NDF:3933599.7/39

All: 57.001+/-0.007 χ^2/NDF: 7864320.3/75



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:18.5/19

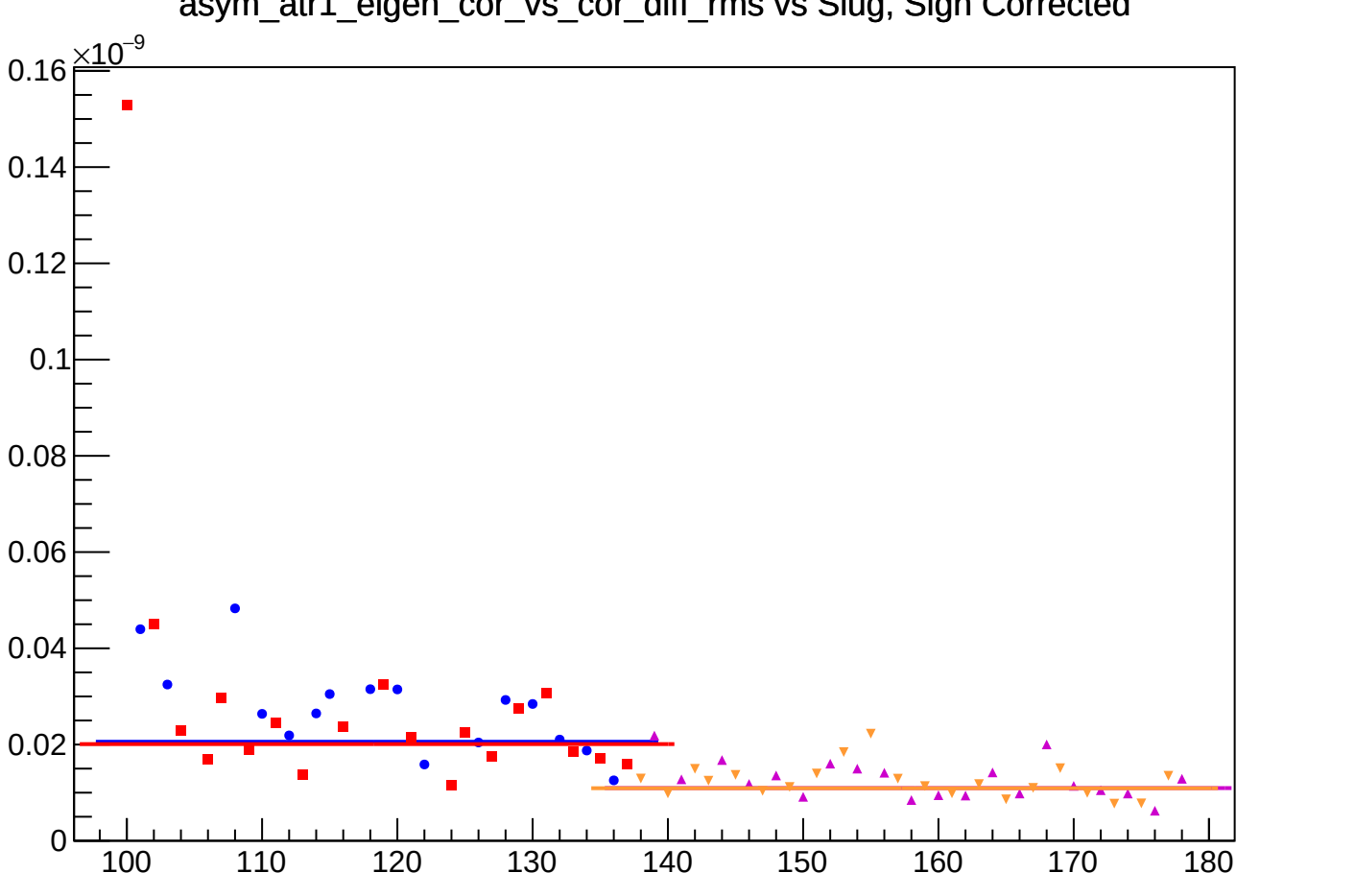
Left: -0.000+/-0.000 χ^2/NDF: 43.1/40

Right: -0.000+/-0.000 χ^2/NDF: 21.2/34

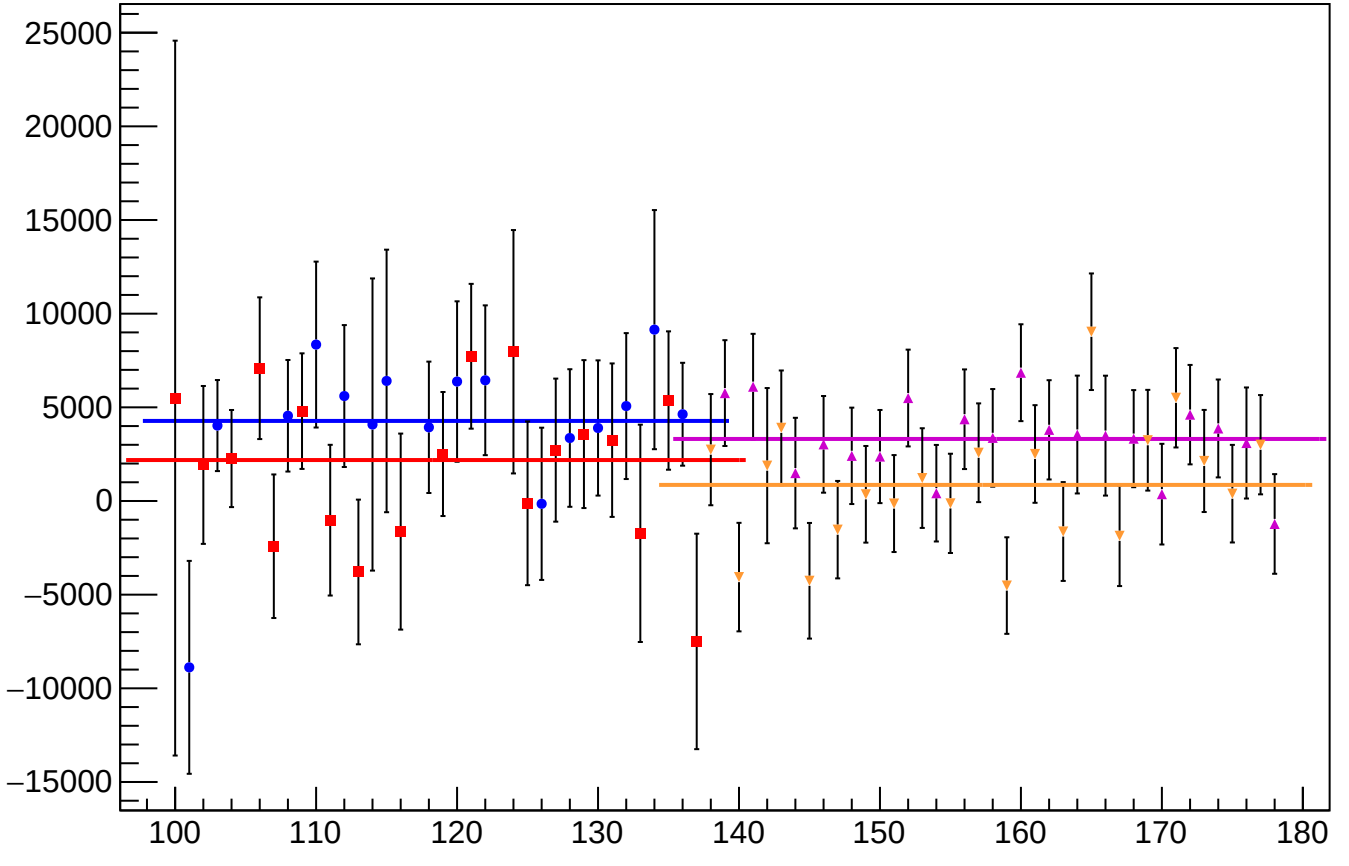
In: 0.000+/-0.000 χ^2/NDF:23.1/35

Out: -0.000+/-0.000 χ^2/NDF:41.2/39

All: -0.000+/-0.000 χ^2/NDF: 64.3/75


asym_atr1_eigen_cor_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: 1319631.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1300363.5/20
Right Out: 0.000+/-0.000 χ²/NDF: 812191.2/18
Left In: 0.000+/-0.000 χ²/NDF:1780044.7/19
Left: 0.000+/-0.000 χ²/NDF: 3080471.1/40
Right: 0.000+/-0.000 χ²/NDF: 2134051.1/34
In: 0.000+/-0.000 χ²/NDF:4687693.6/35
Out: 0.000+/-0.000 χ²/NDF:3591332.0/39
All: 0.000+/-0.000 χ²/NDF: 8279421.4/75

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: 3312.023+/-604.187 χ^2/NDF:10.8/19

Left: 2079.509+/-426.183 χ^2/NDF: 46.2/40

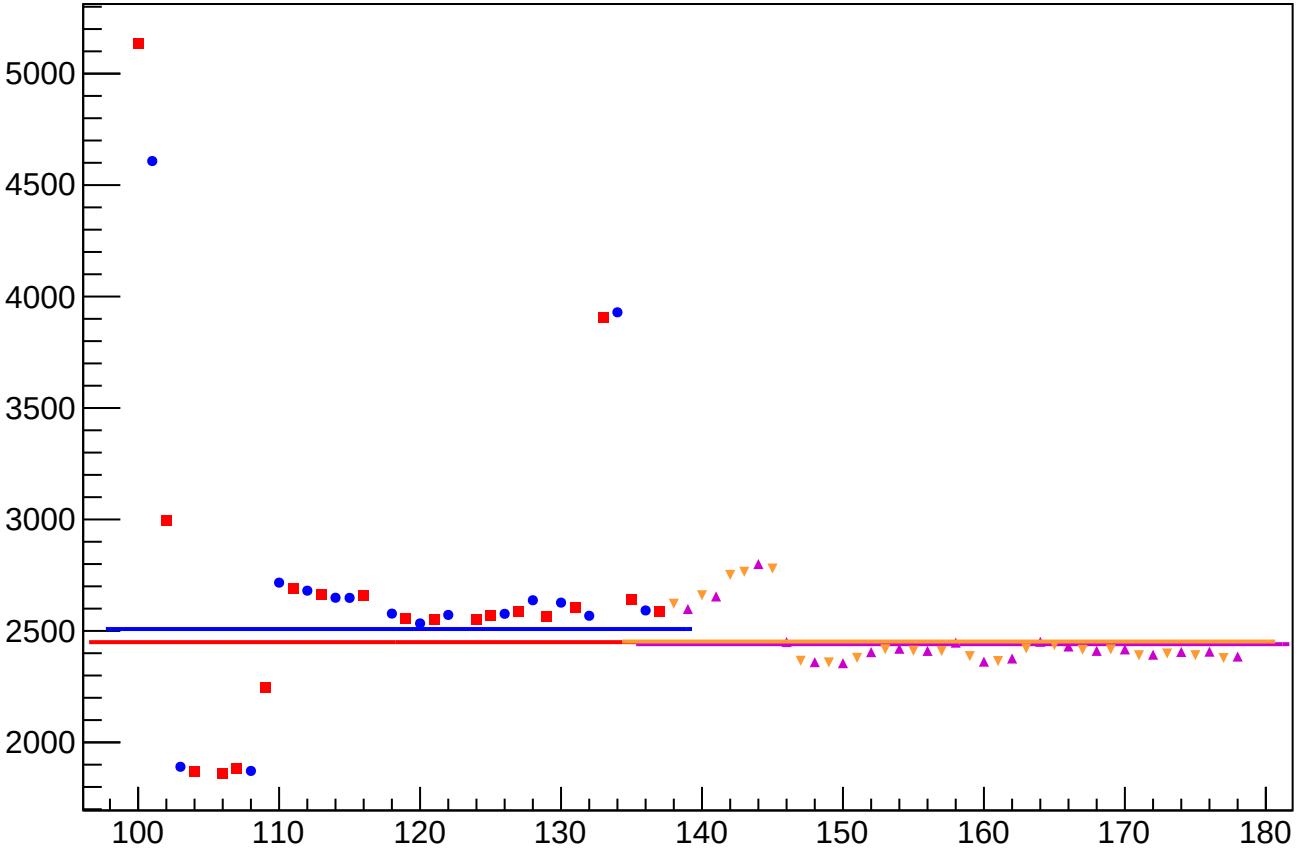
Right: 3197.075+/-662.328 χ^2/NDF: 26.2/34

In: 3588.367+/-510.118 χ^2/NDF:20.5/35

Out: 1254.919+/-503.644 χ^2/NDF:43.3/39

All: 2406.741+/-358.397 χ^2/NDF: 74.4/75

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: 2440.499+/-0.427 χ^2/NDF:58168.5/19

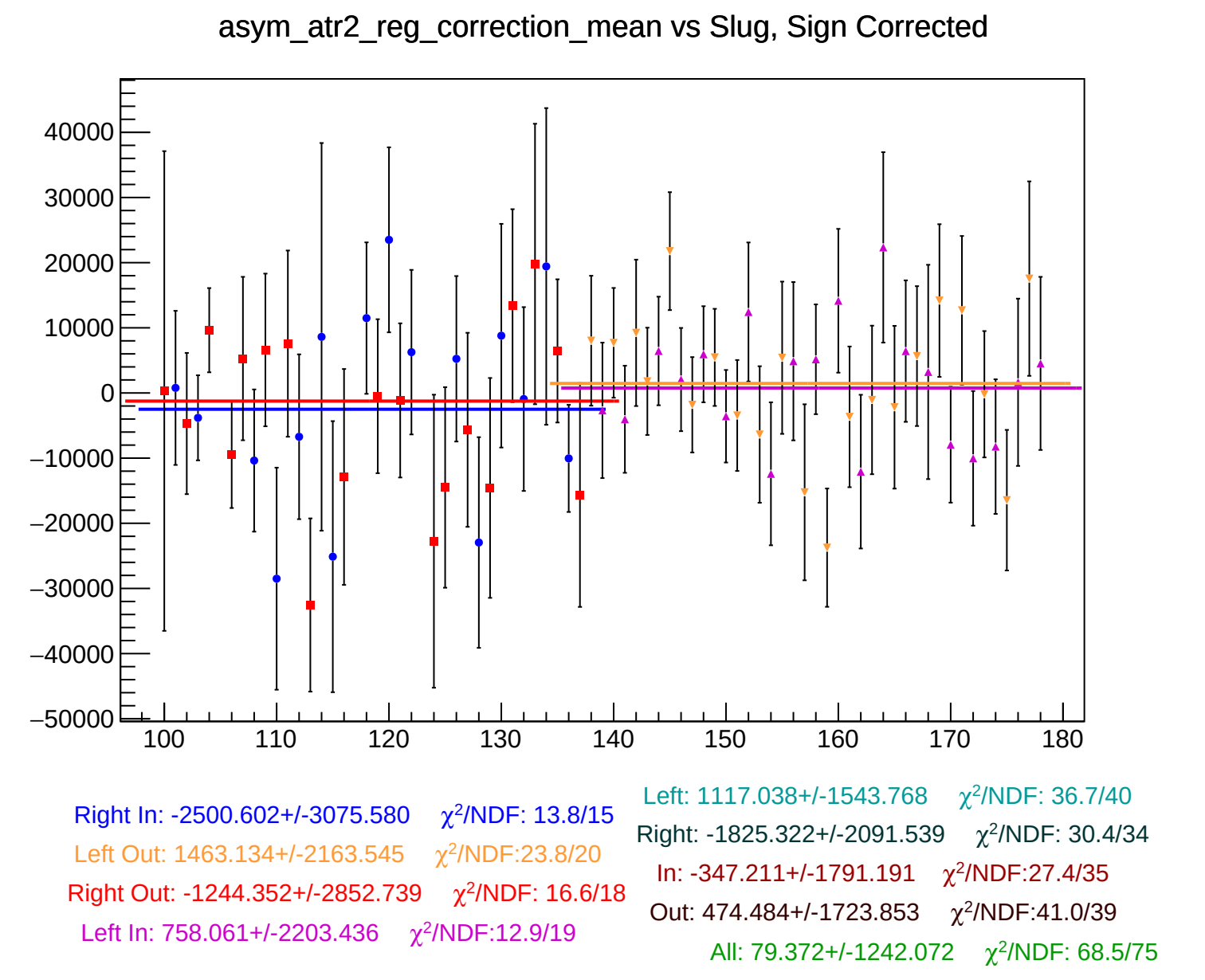
Left: 2446.467+/-0.301 χ^2/NDF: 146053.6/40

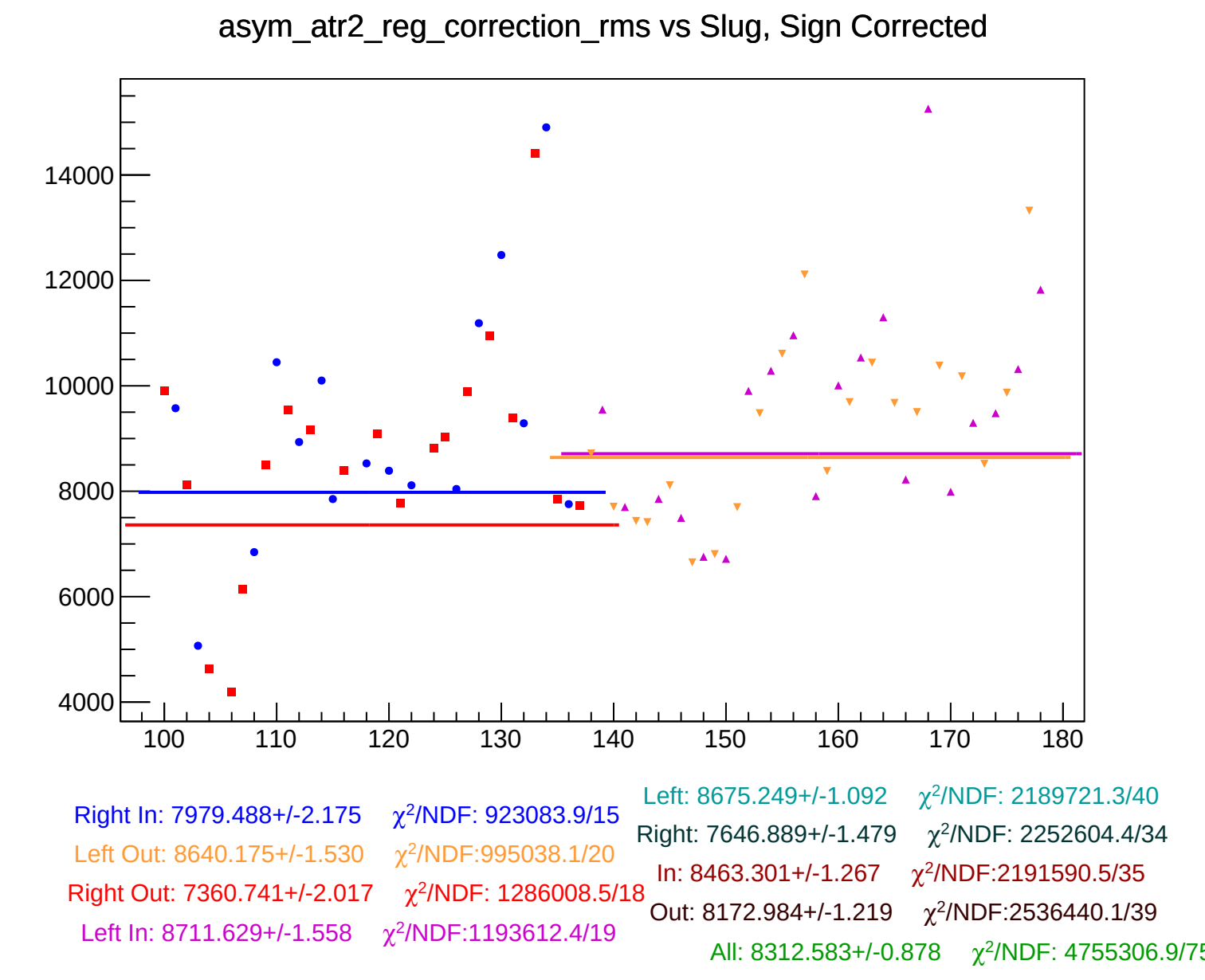
Right: 2478.107+/-0.468 χ^2/NDF: 1052433.3/34

In: 2460.016+/-0.361 χ^2/NDF:677025.8/35

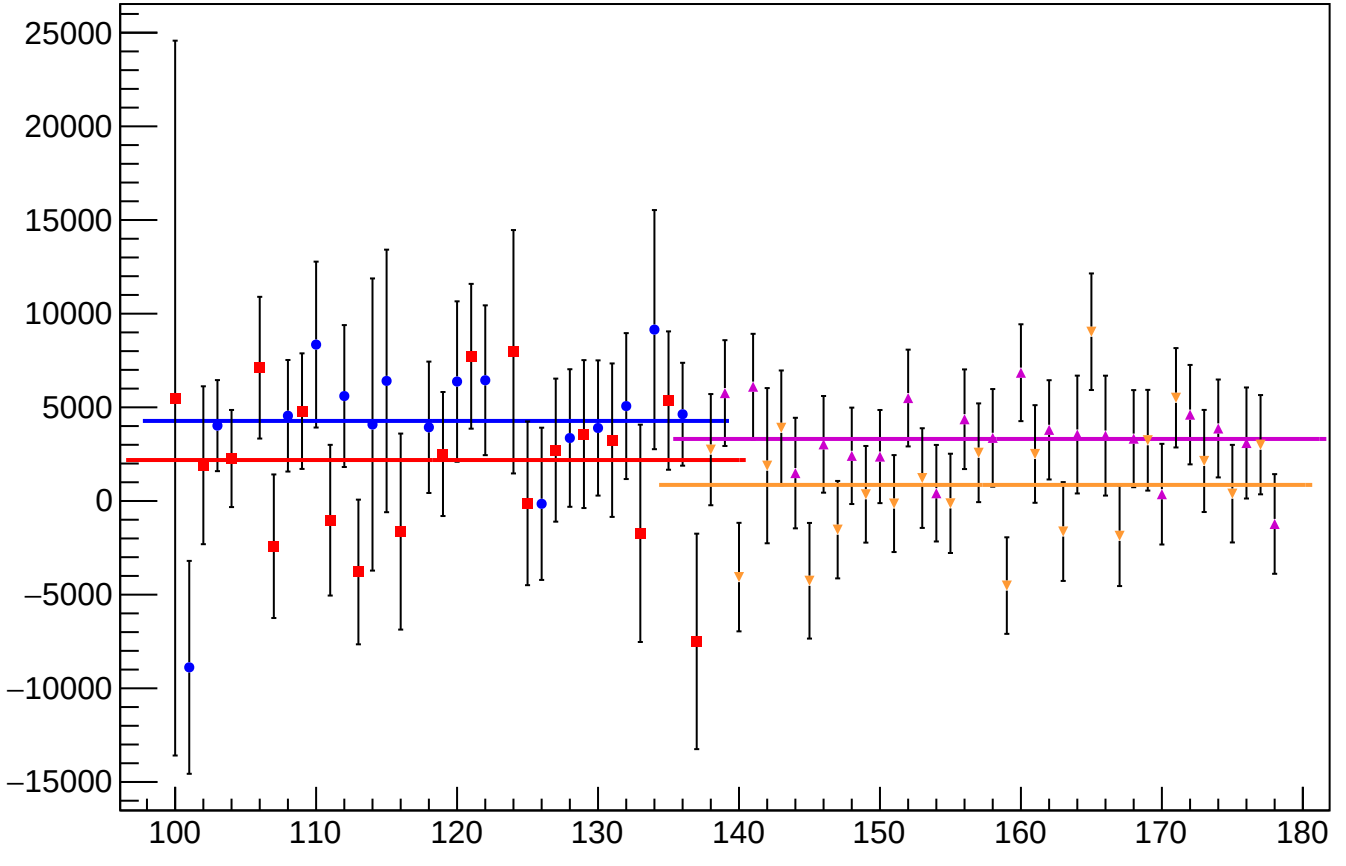
Out: 2451.556+/-0.356 χ^2/NDF:524410.2/39

All: 2455.732+/-0.253 χ^2/NDF: 1201714.6/75


asym_atr2_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
Right In: -2500.602+/-3075.580 χ²/NDF: 13.8/15
Left Out: 1463.134+/-2163.545 χ²/NDF:23.8/20
Right Out: -1244.352+/-2852.739 χ²/NDF: 16.6/18
Left In: 758.061+/-2203.436 χ²/NDF:12.9/19
Left: 1117.038+/-1543.768 χ²/NDF: 36.7/40
Right: -1825.322+/-2091.539 χ²/NDF: 30.4/34
In: -347.211+/-1791.191 χ²/NDF:27.4/35
Out: 474.484+/-1723.853 χ²/NDF:41.0/39
All: 79.372+/-1242.072 χ²/NDF: 68.5/75


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: 8711.629+/-1.558 χ²/NDF:1193612.4/19
Left: 8675.249+/-1.092 χ²/NDF: 2189721.3/40
Right: 7646.889+/-1.479 χ²/NDF: 2252604.4/34
In: 8463.301+/-1.267 χ²/NDF:2191590.5/35
Out: 8172.984+/-1.219 χ²/NDF:2536440.1/39
All: 8312.583+/-0.878 χ²/NDF: 4755306.9/75

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: 3311.863+/-604.187 χ^2/NDF:10.8/19

Left: 2079.358+/-426.183 χ^2/NDF: 46.2/40

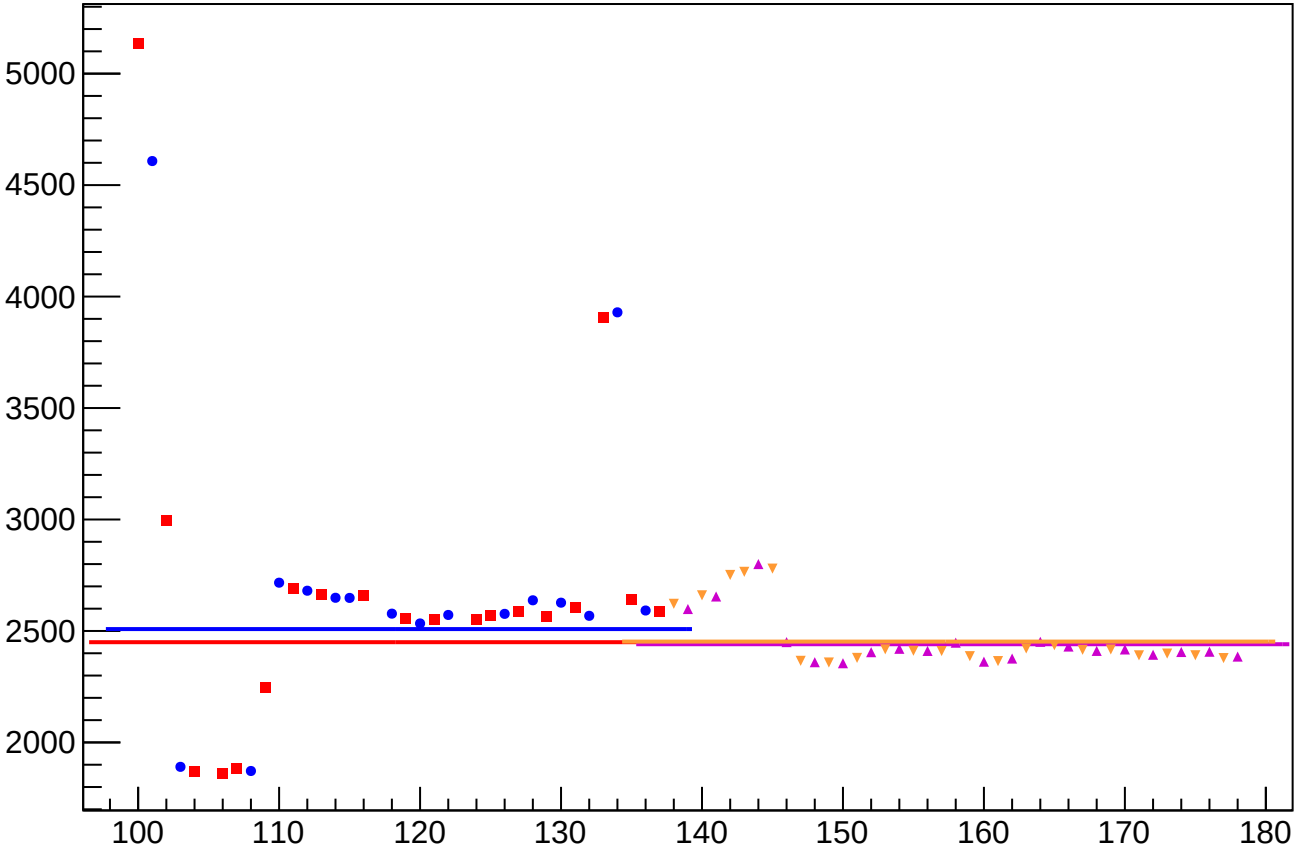
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3588.112+/-510.118 χ^2/NDF:20.5/35

Out: 1255.000+/-503.645 χ^2/NDF:43.3/39

All: 2406.659+/-358.398 χ^2/NDF: 74.4/75

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: 2440.499+/-0.427 χ^2/NDF:58168.5/19

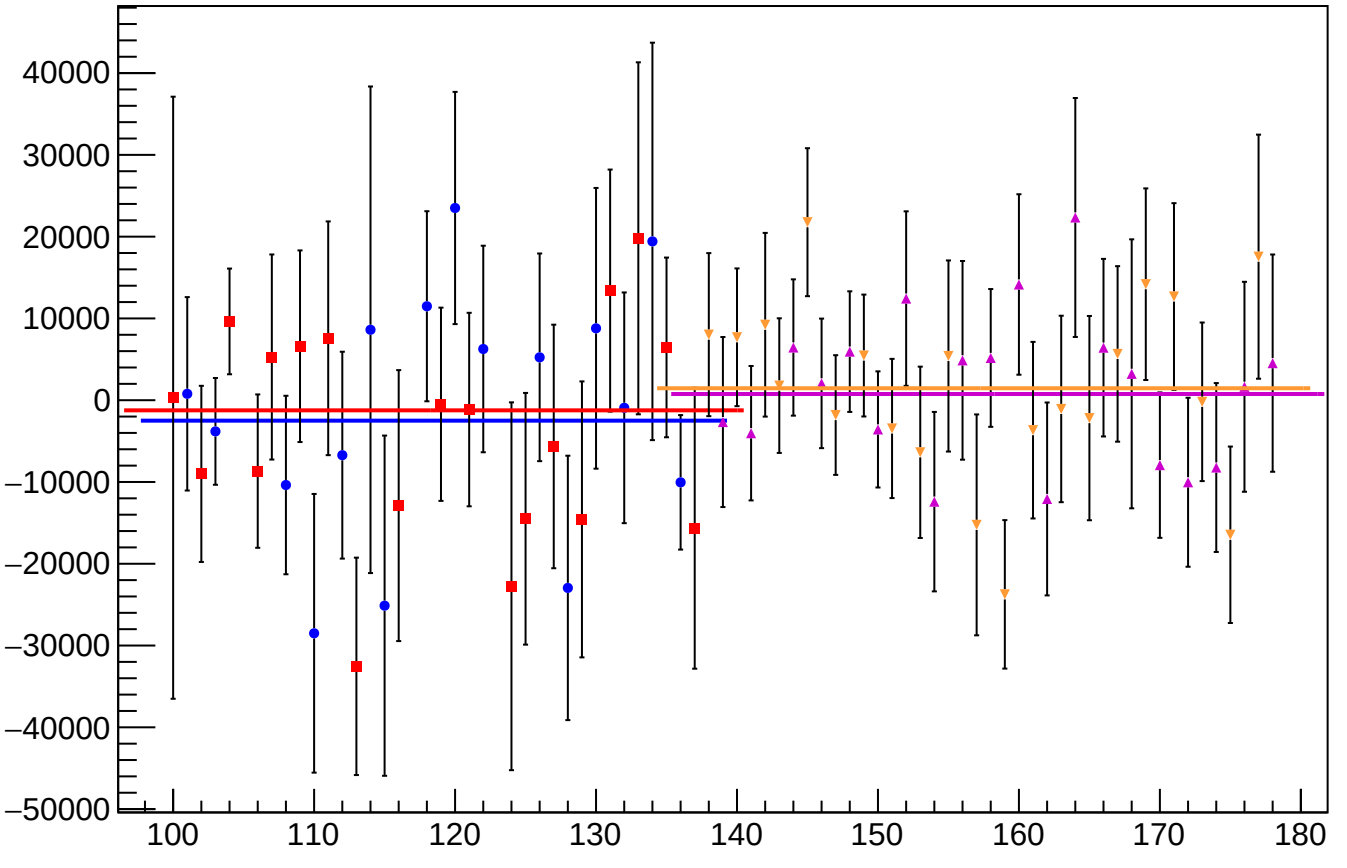
Left: 2446.467+/-0.301 χ^2/NDF: 146053.6/40

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2460.016+/-0.361 χ^2/NDF:677023.8/35

Out: 2451.563+/-0.356 χ^2/NDF:524355.6/39

All: 2455.736+/-0.253 χ^2/NDF: 1201657.5/75



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: 758.068+/-2203.435 χ^2/NDF:12.9/19

Left: 1117.047+/-1543.766 χ^2/NDF: 36.7/40

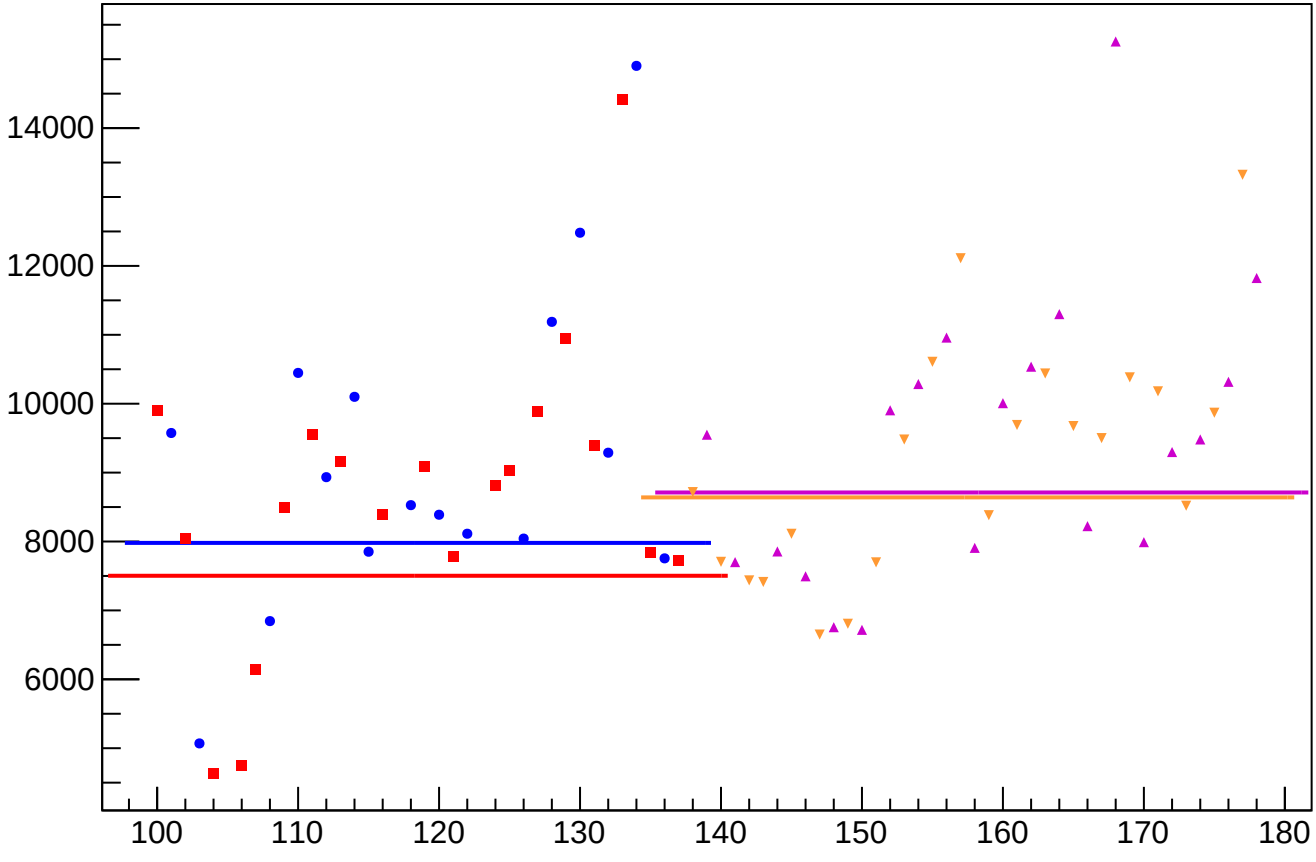
Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

In: -347.090+/-1791.209 χ^2/NDF:27.4/35

Out: 493.816+/-1732.716 χ^2/NDF:41.0/39

All: 87.317+/-1245.381 χ^2/NDF: 68.5/75

asym_atr2_cor_correction_rms vs Slug, Sign Corrected



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 8640.161+/-1.530 χ^2/NDF:995045.8/20

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 8711.626+/-1.558 χ^2/NDF:1193616.0/19

Left: 8675.241+/-1.092 χ^2/NDF: 2189732.9/40

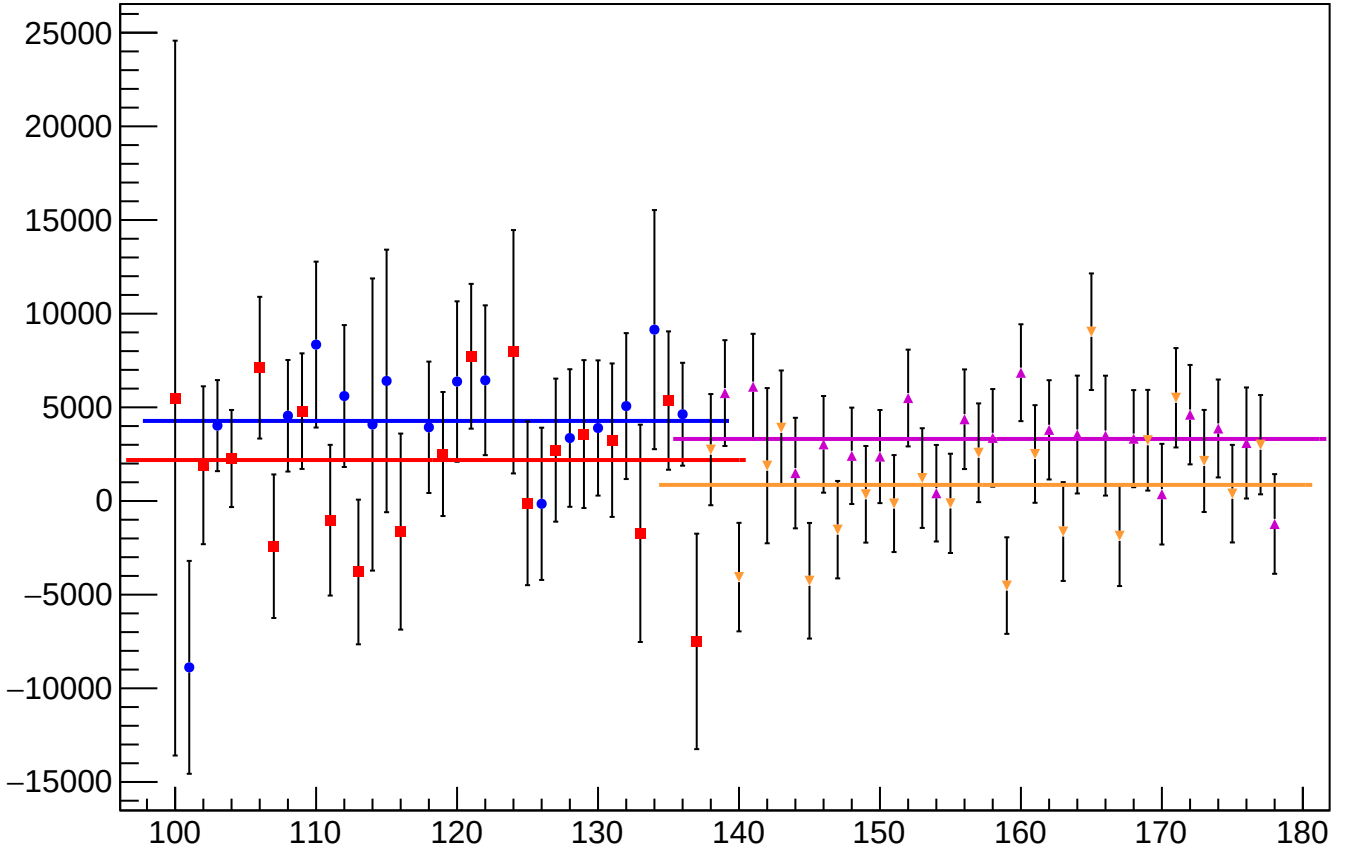
Right: 7726.698+/-1.490 χ^2/NDF: 2083841.8/34

In: 8463.419+/-1.267 χ^2/NDF:2191226.0/35

Out: 8232.254+/-1.225 χ^2/NDF:2328814.4/39

All: 8344.001+/-0.881 χ^2/NDF: 4537248.3/75

eigen_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: 3311.863+/-604.187 χ^2/NDF:10.8/19

Left: 2079.358+/-426.183 χ^2/NDF: 46.2/40

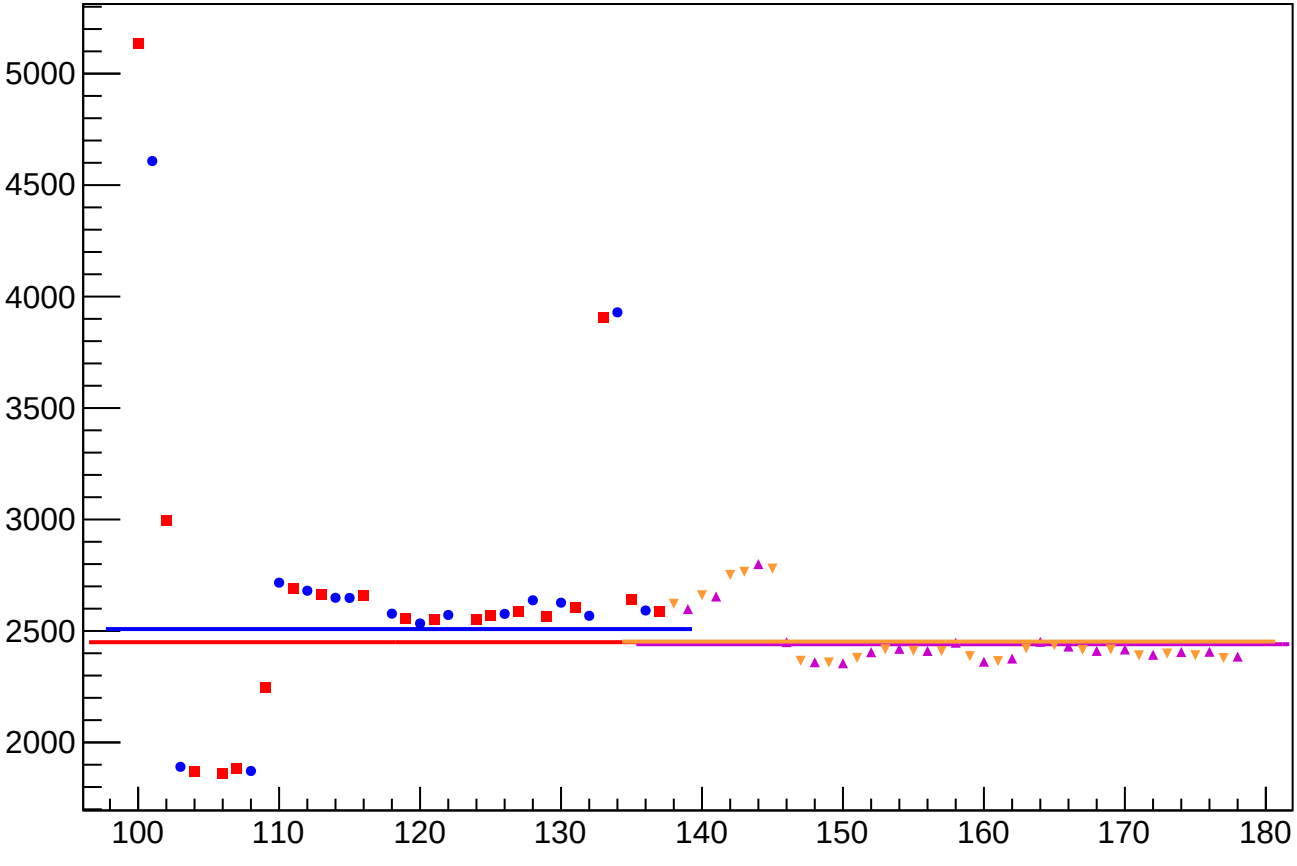
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3588.112+/-510.118 χ^2/NDF:20.5/35

Out: 1255.000+/-503.645 χ^2/NDF:43.3/39

All: 2406.659+/-358.398 χ^2/NDF: 74.4/75

eigen_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: 2440.499+/-0.427 χ^2/NDF:58168.5/19

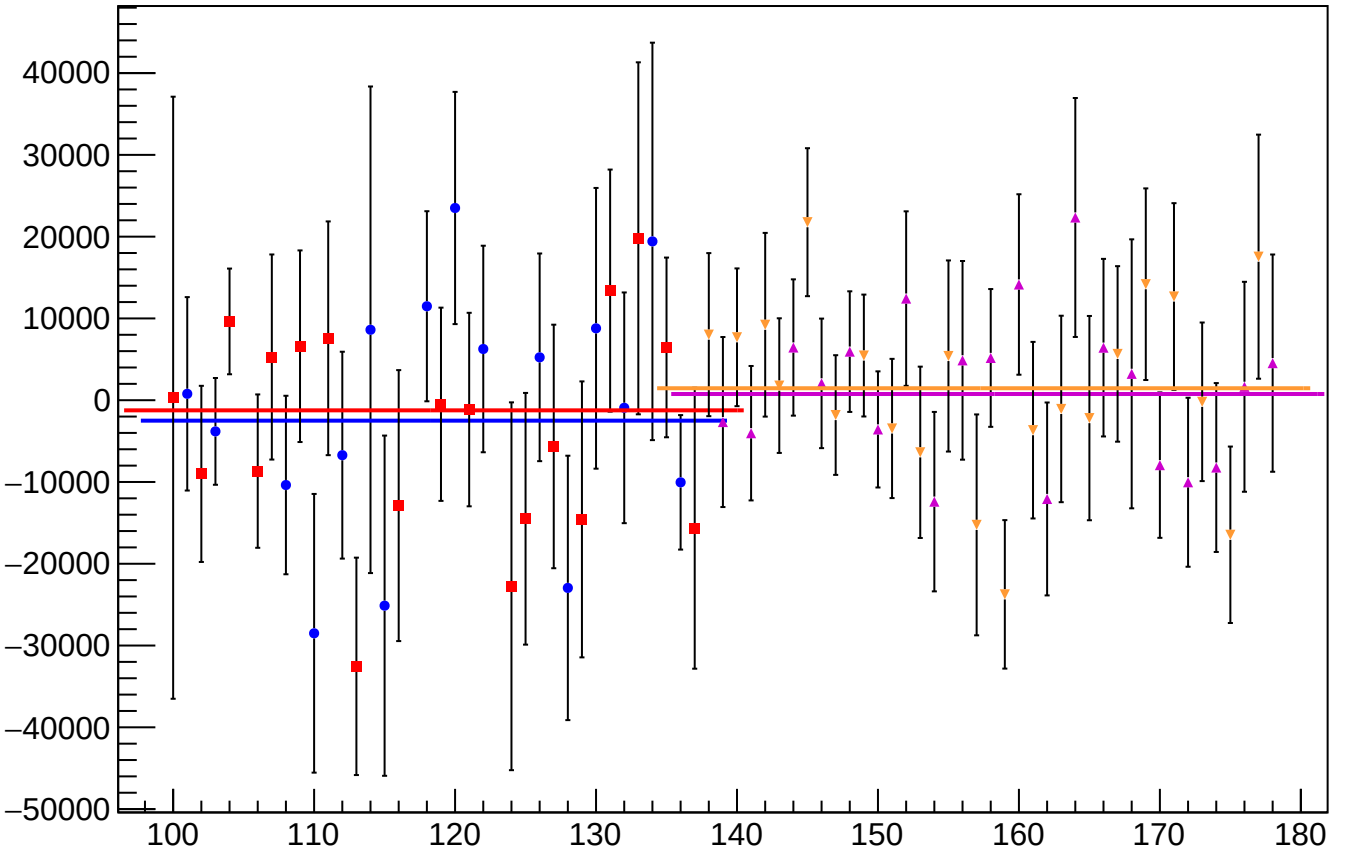
Left: 2446.467+/-0.301 χ^2/NDF: 146053.6/40

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2460.016+/-0.361 χ^2/NDF:677023.8/35

Out: 2451.563+/-0.356 χ^2/NDF:524355.6/39

All: 2455.736+/-0.253 χ^2/NDF: 1201657.5/75



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: 758.068+/-2203.435 χ^2/NDF:12.9/19

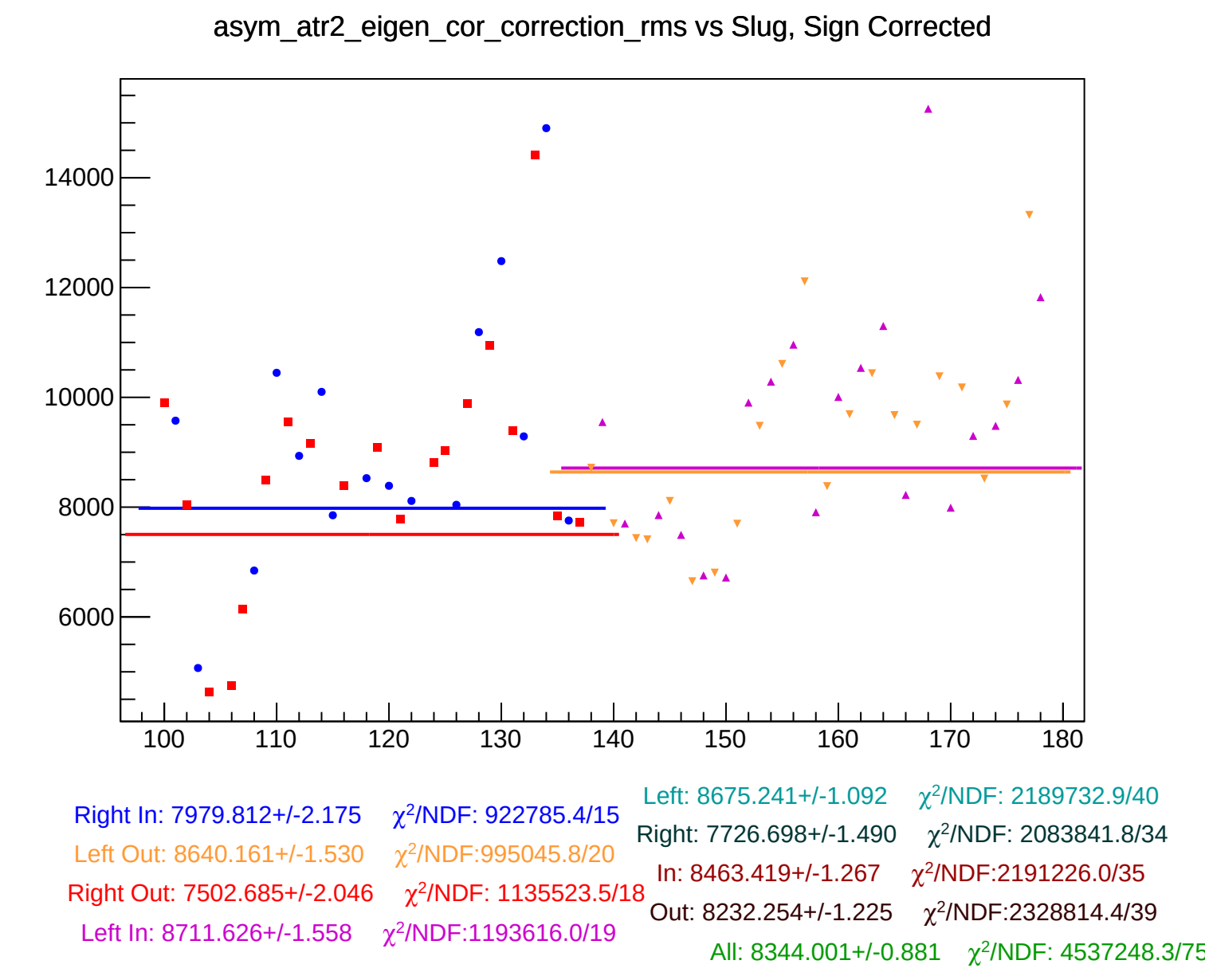
Left: 1117.047+/-1543.766 χ^2/NDF: 36.7/40

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

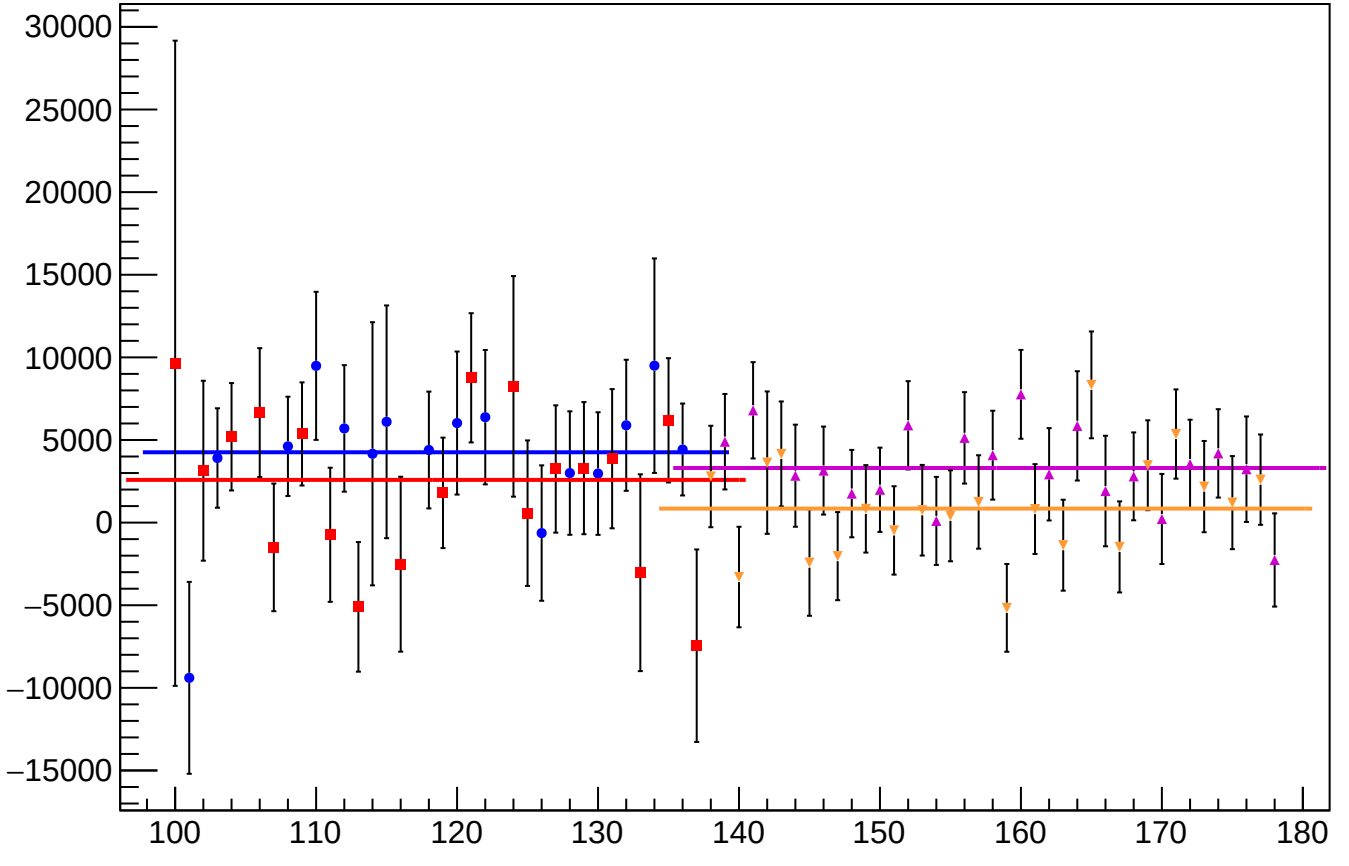
In: -347.090+/-1791.209 χ^2/NDF:27.4/35

Out: 493.816+/-1732.716 χ^2/NDF:41.0/39

All: 87.317+/-1245.381 χ^2/NDF: 68.5/75


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: 8711.626+/-1.558 χ²/NDF:1193616.0/19
Left: 8675.241+/-1.092 χ²/NDF: 2189732.9/40
Right: 7726.698+/-1.490 χ²/NDF: 2083841.8/34
In: 8463.419+/-1.267 χ²/NDF:2191226.0/35
Out: 8232.254+/-1.225 χ²/NDF:2328814.4/39
All: 8344.001+/-0.881 χ²/NDF: 4537248.3/75

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: 3305.839+/-625.598 χ^2/NDF:14.1/19

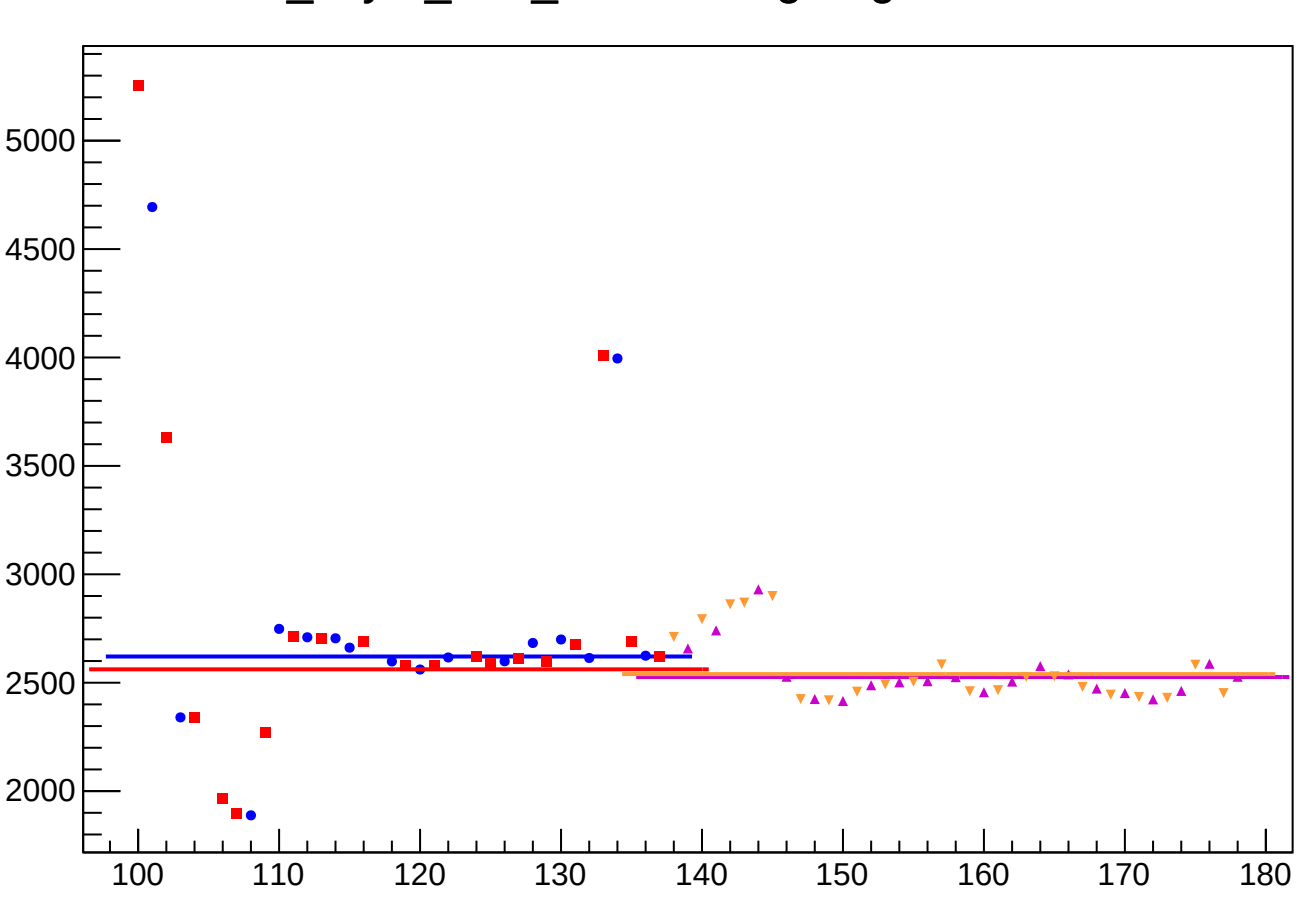
Left: 2071.931+/-441.416 χ^2/NDF: 44.3/40

Right: 3399.902+/-691.597 χ^2/NDF: 29.1/34

In: 3577.050+/-528.938 χ^2/NDF:24.8/35

Out: 1358.419+/-523.523 χ^2/NDF:42.4/39

All: 2456.319+/-372.086 χ^2/NDF: 76.1/75



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: 2526.193+/-0.442 χ^2/NDF:65753.6/19

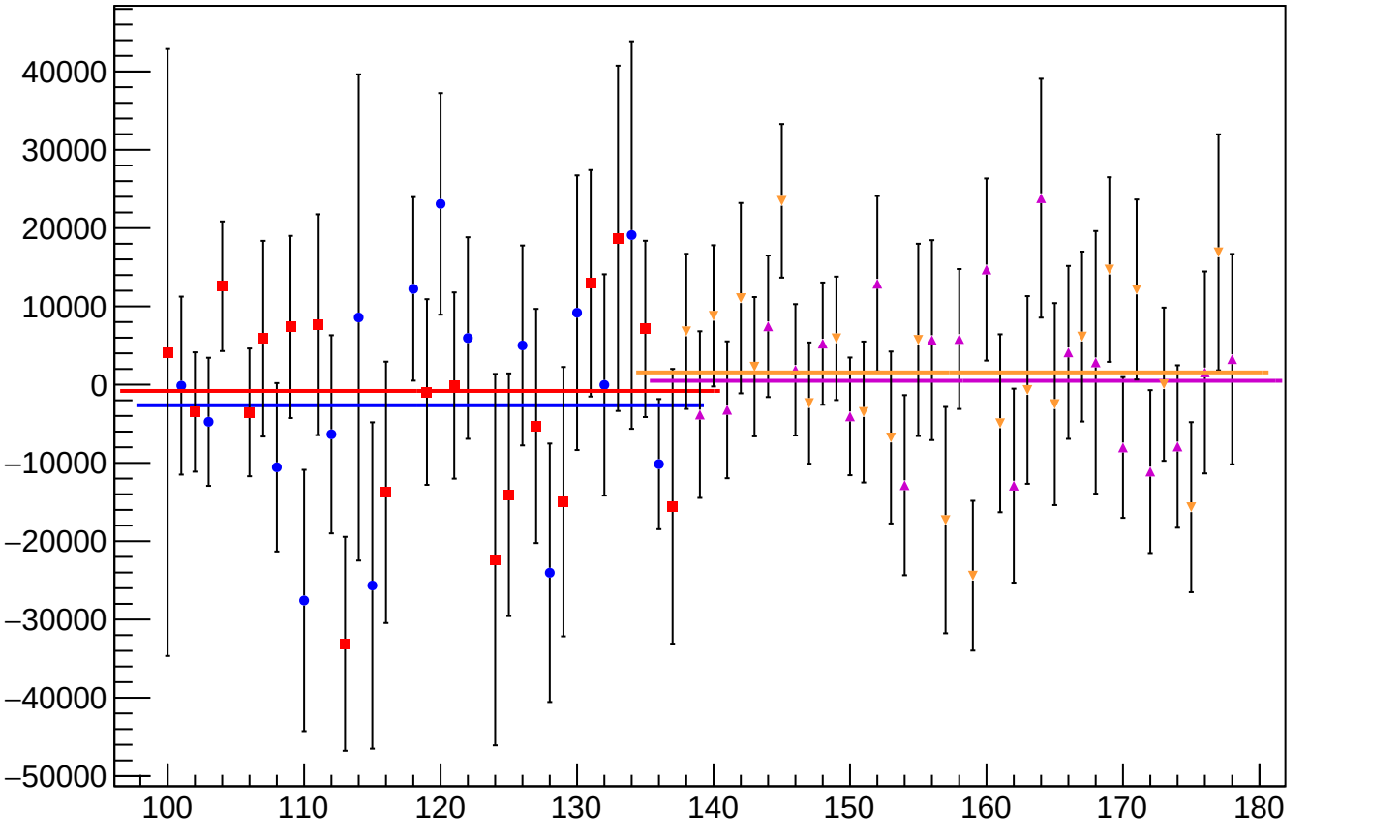
Left: 2532.991+/-0.312 χ^2/NDF: 170625.1/40

Right: 2590.582+/-0.489 χ^2/NDF: 867842.6/34

In: 2553.216+/-0.374 χ^2/NDF:564755.1/35

Out: 2546.193+/-0.370 χ^2/NDF:483393.1/39

All: 2549.668+/-0.263 χ^2/NDF: 1048326.3/75



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: 493.058+/-2300.112 χ^2/NDF:12.8/19

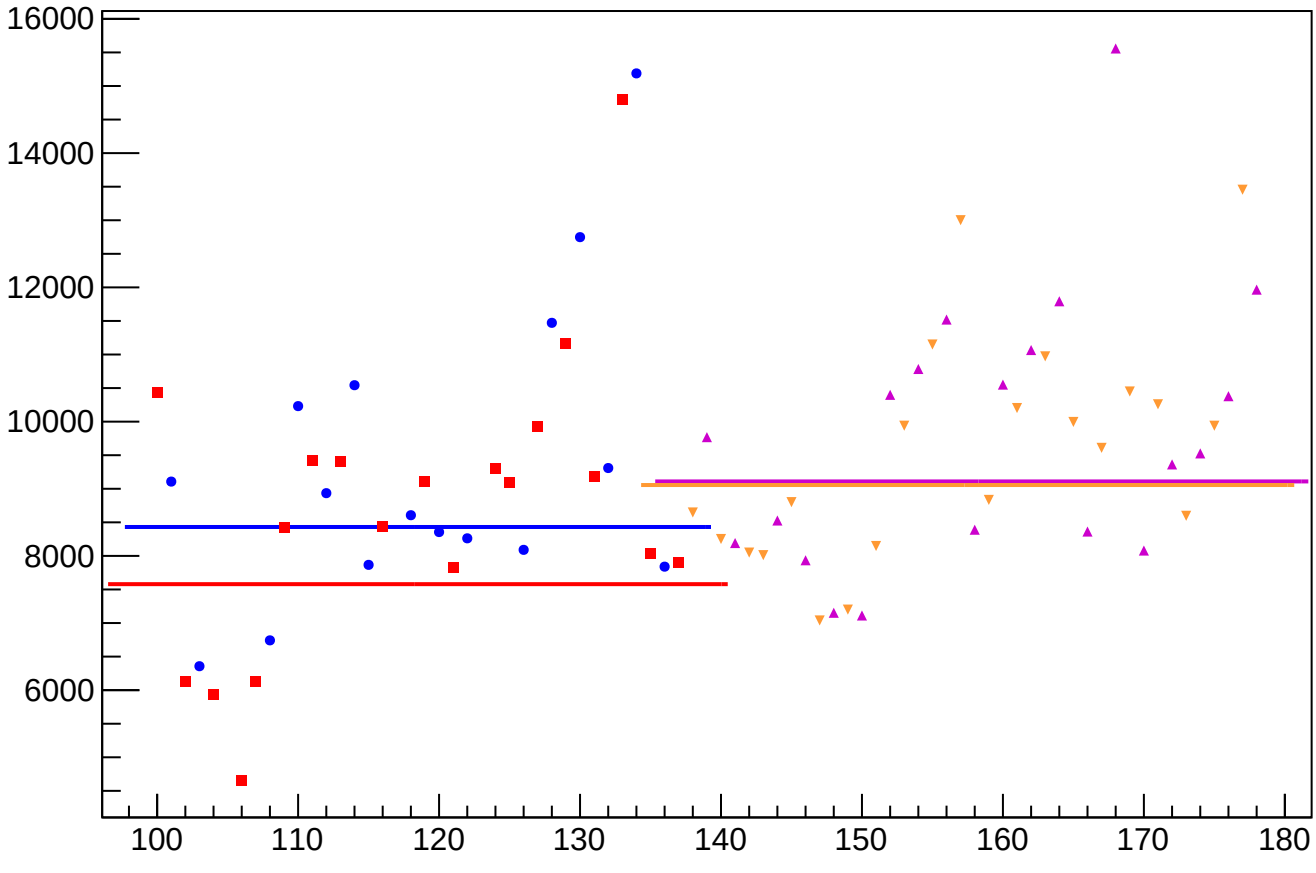
Left: 1035.614+/-1613.144 χ^2/NDF: 36.3/40

Right: -1615.936+/-2141.201 χ^2/NDF: 29.4/34

In: -566.443+/-1869.975 χ^2/NDF:27.2/35

Out: 655.764+/-1777.726 χ^2/NDF:39.3/39

All: 75.550+/-1288.420 χ^2/NDF: 66.7/75



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: 9109.452+/-1.626 χ^2/NDF:1084992.9/19

Left: 9082.217+/-1.141 χ^2/NDF: 1960445.3/40

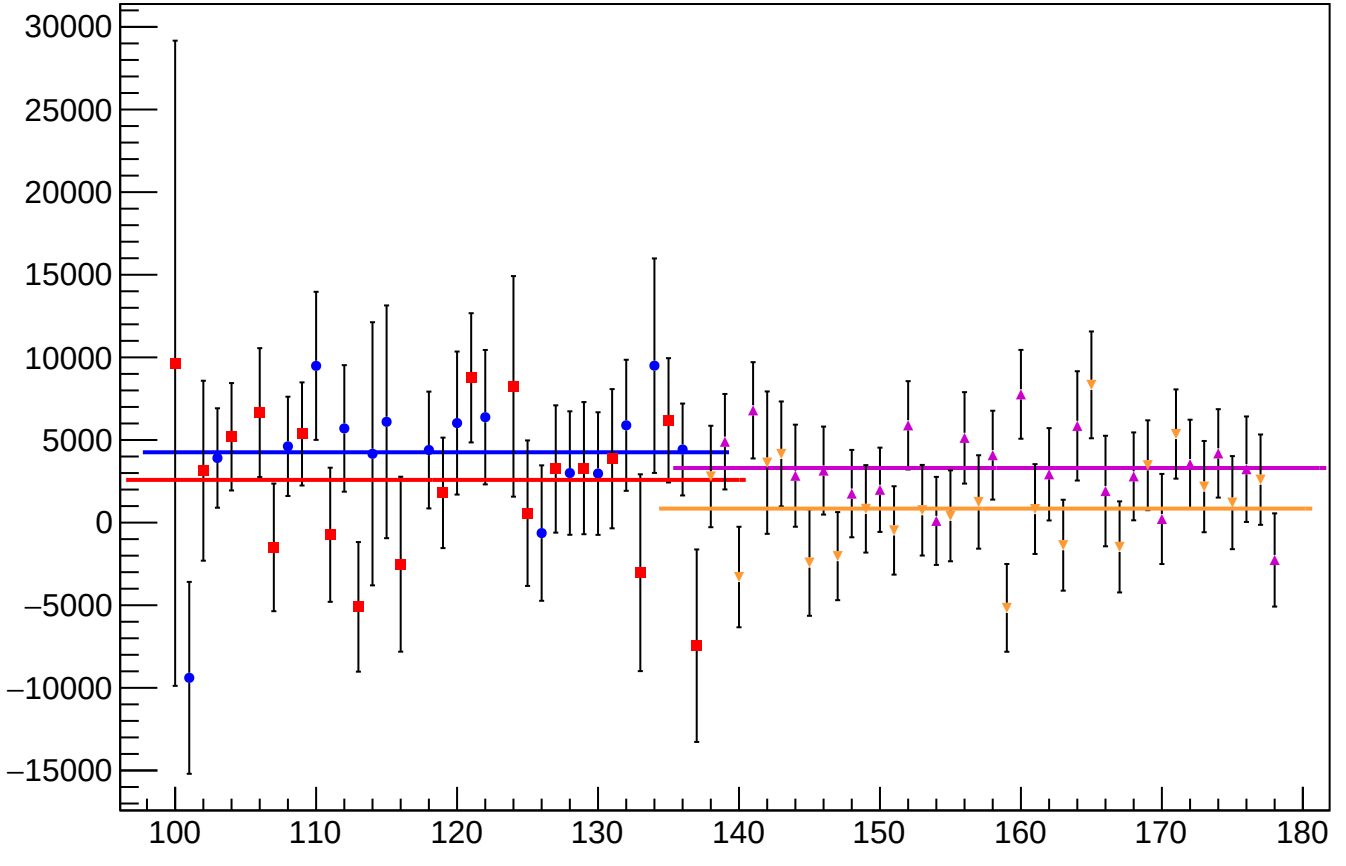
Right: 7957.695+/-1.514 χ^2/NDF: 1632549.6/34

In: 8879.349+/-1.322 χ^2/NDF:1724324.6/35

Out: 8490.418+/-1.257 χ^2/NDF:2175124.6/39

All: 8675.054+/-0.911 χ^2/NDF: 3944894.6/75

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: 3305.843+/-625.599 χ^2/NDF:14.1/19

Left: 2071.927+/-441.416 χ^2/NDF: 44.3/40

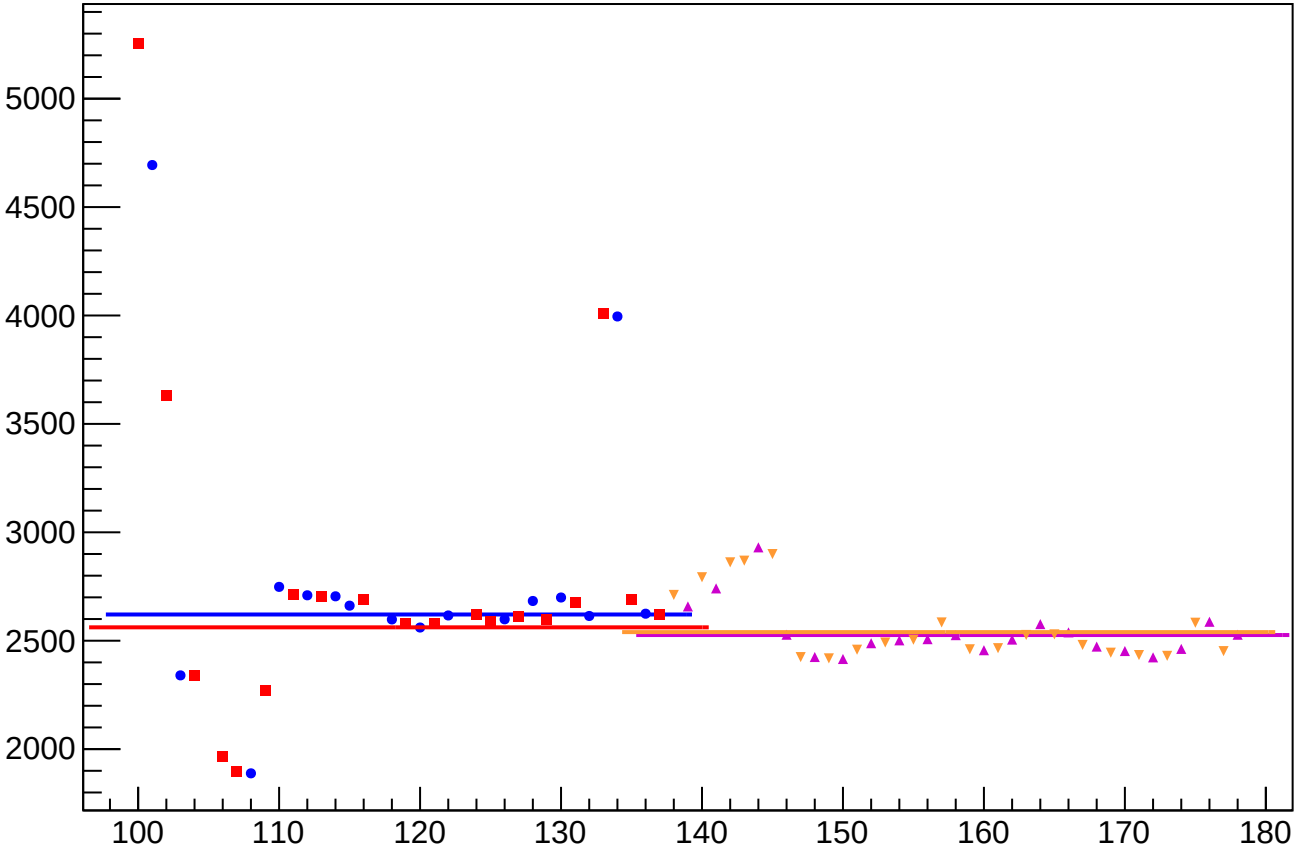
Right: 3399.911+/-691.596 χ^2/NDF: 29.1/34

In: 3577.056+/-528.938 χ^2/NDF:24.8/35

Out: 1358.415+/-523.523 χ^2/NDF:42.4/39

All: 2456.320+/-372.087 χ^2/NDF: 76.1/75

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: 2526.195+/-0.442 χ^2/NDF:65753.4/19

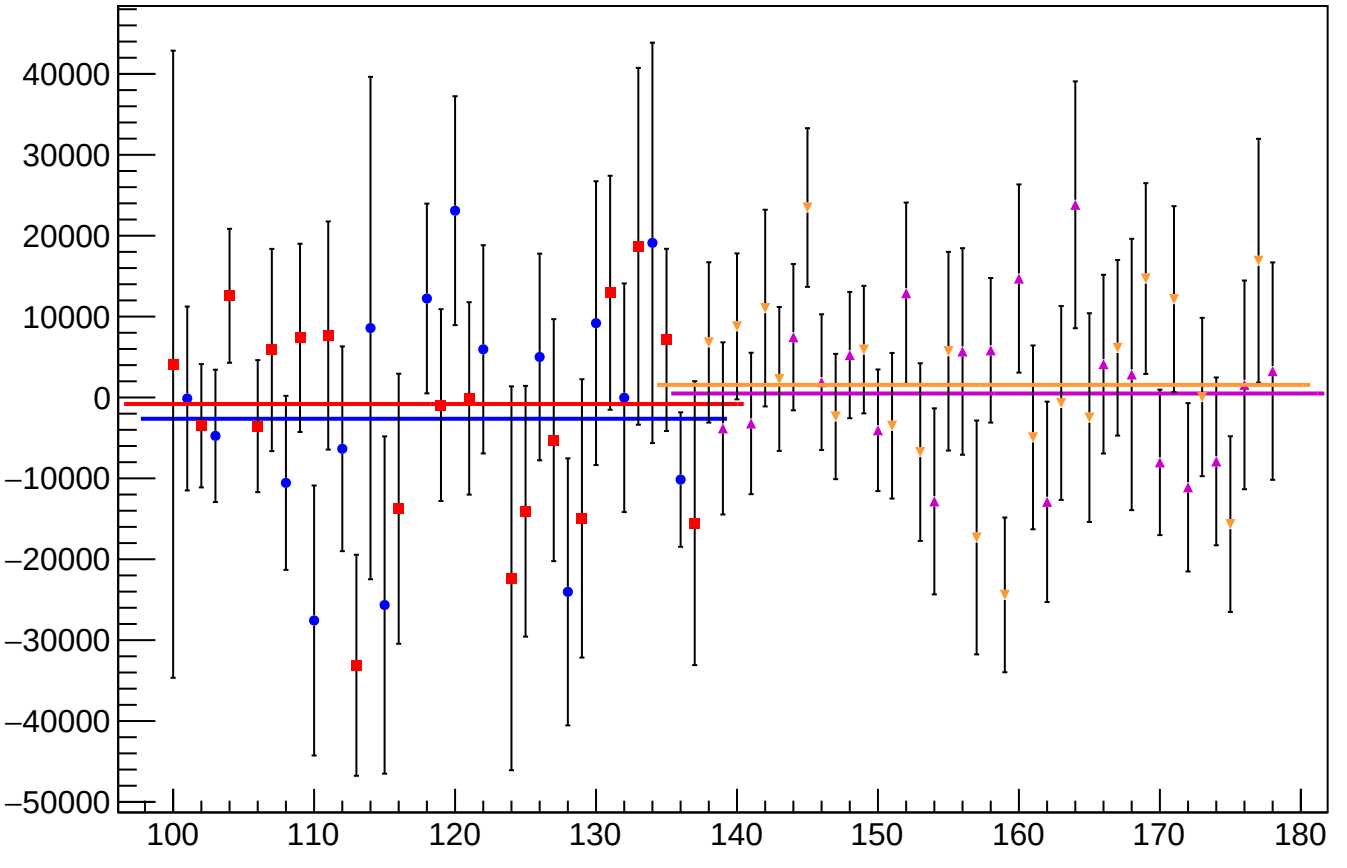
Left: 2532.993+/-0.312 χ^2/NDF: 170625.1/40

Right: 2590.582+/-0.489 χ^2/NDF: 867842.2/34

In: 2553.217+/-0.374 χ^2/NDF:564754.4/35

Out: 2546.195+/-0.370 χ^2/NDF:483392.6/39

All: 2549.669+/-0.263 χ^2/NDF: 1048325.1/75



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: 493.055+/-2300.116 χ^2/NDF:12.8/19

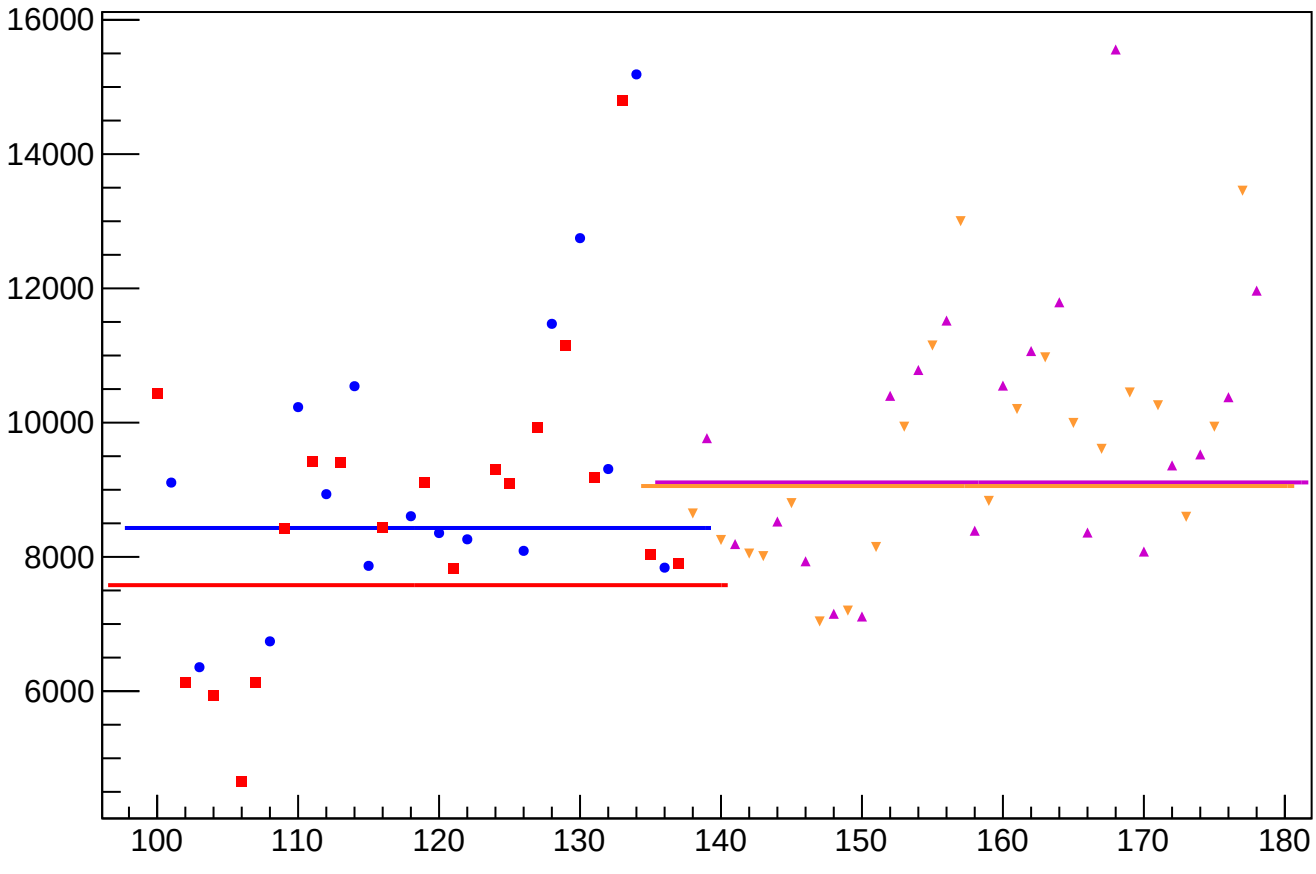
Left: 1035.611+/-1613.147 χ^2/NDF: 36.3/40

Right: -1615.919+/-2141.198 χ^2/NDF: 29.4/34

In: -566.437+/-1869.976 χ^2/NDF:27.2/35

Out: 655.760+/-1777.726 χ^2/NDF:39.3/39

All: 75.551+/-1288.421 χ^2/NDF: 66.7/75



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: 9109.466+/-1.626 χ^2/NDF:1084995.2/19

Left: 9082.231+/-1.141 χ^2/NDF: 1960447.6/40

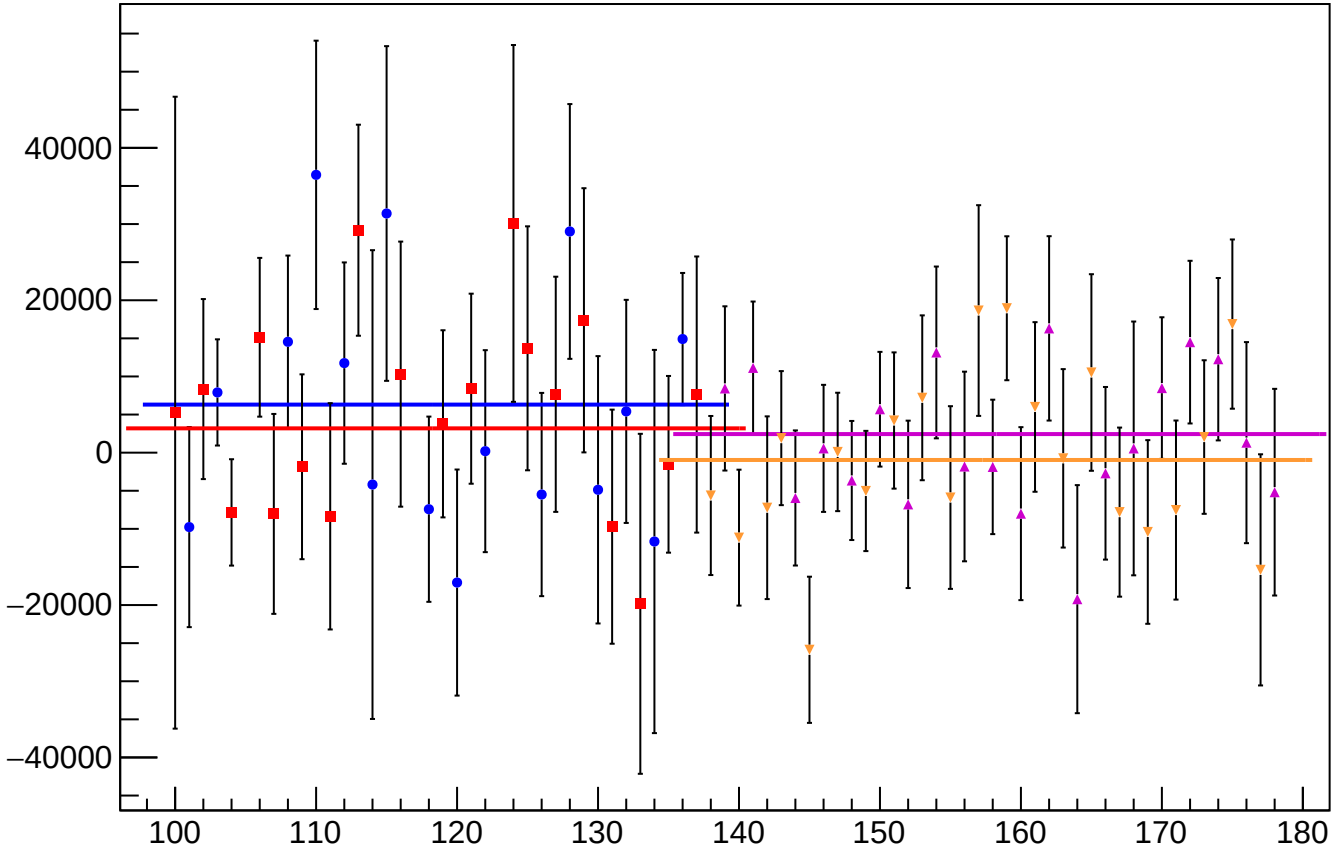
Right: 7957.685+/-1.514 χ^2/NDF: 1632540.7/34

In: 8879.354+/-1.322 χ^2/NDF:1724325.4/35

Out: 8490.420+/-1.257 χ^2/NDF:2175132.8/39

All: 8675.058+/-0.911 χ^2/NDF: 3944904.1/75

asym_atr2_mean vs Slug, Sign Corrected



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: 2438.730+/-2298.928 χ^2/NDF:12.4/19

Left: 711.351+/-1612.206 χ^2/NDF: 36.0/40

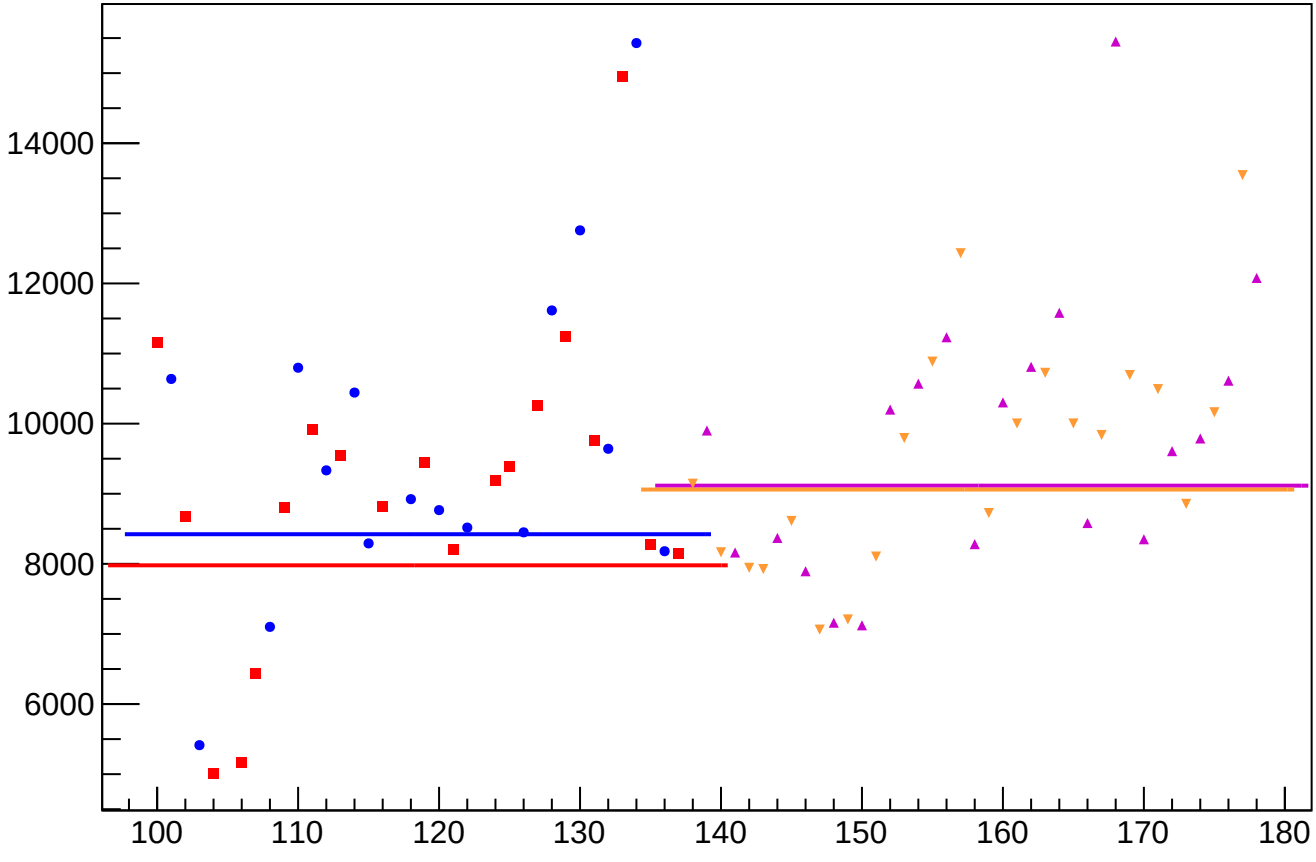
Right: 4663.718+/-2227.879 χ^2/NDF: 29.5/34

In: 3734.249+/-1874.851 χ^2/NDF:28.4/35

Out: 500.265+/-1820.542 χ^2/NDF:37.6/39

All: 2069.739+/-1306.096 χ^2/NDF: 67.5/75

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: 9115.357+/-1.626 χ^2/NDF:1041882.1/19

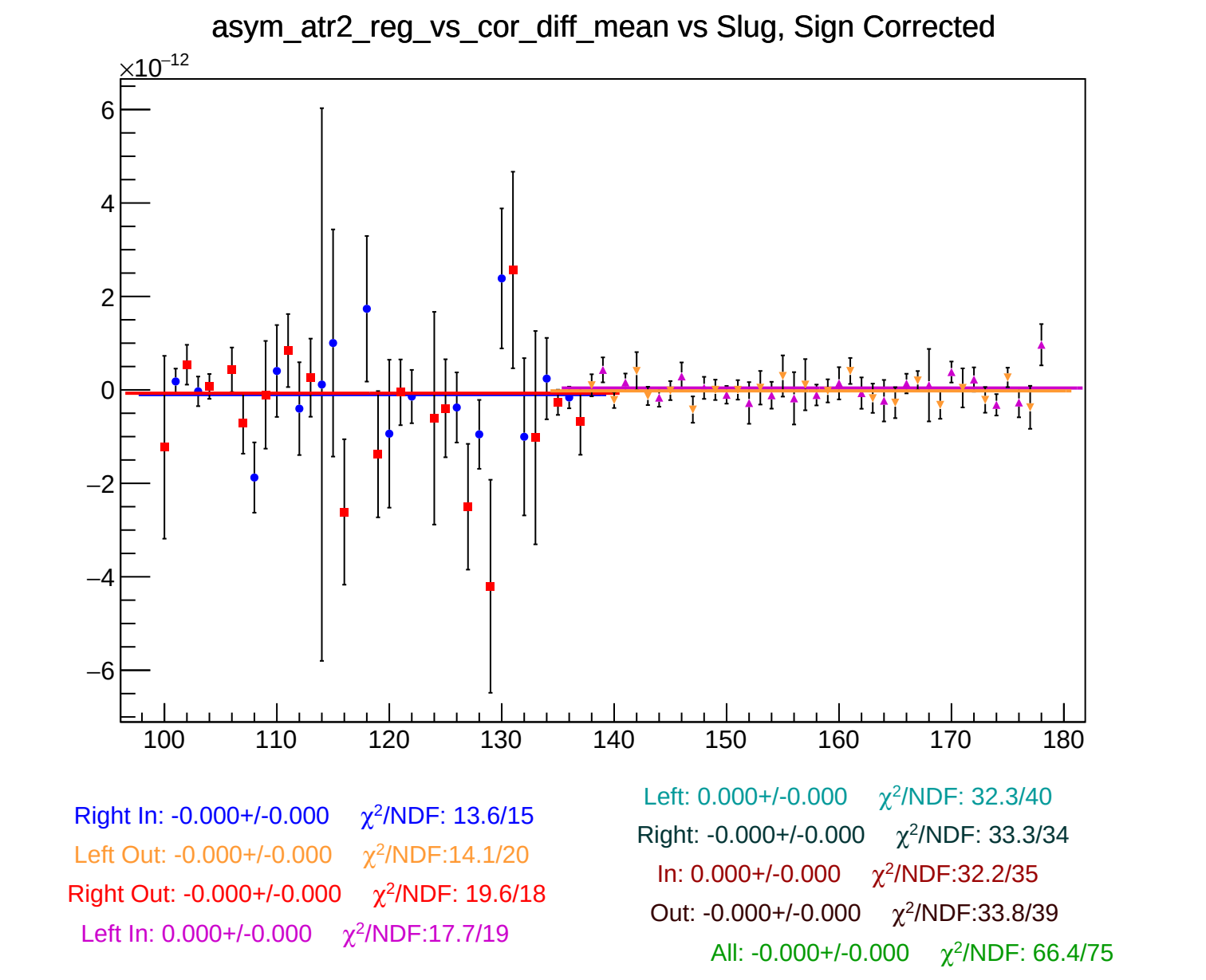
Left: 9087.175+/-1.140 χ^2/NDF: 1897363.4/40

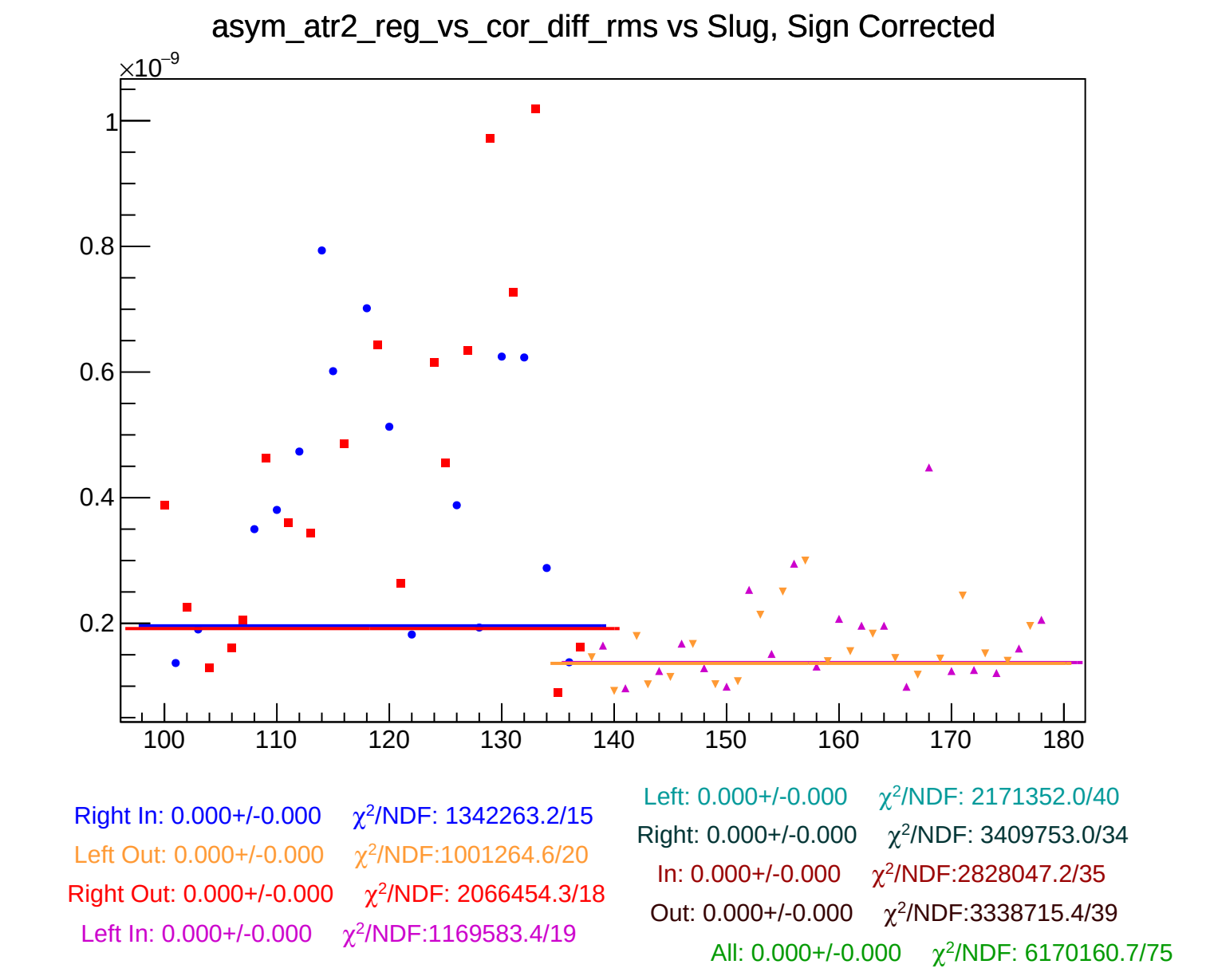
Right: 8188.830+/-1.575 χ^2/NDF: 1917628.8/34

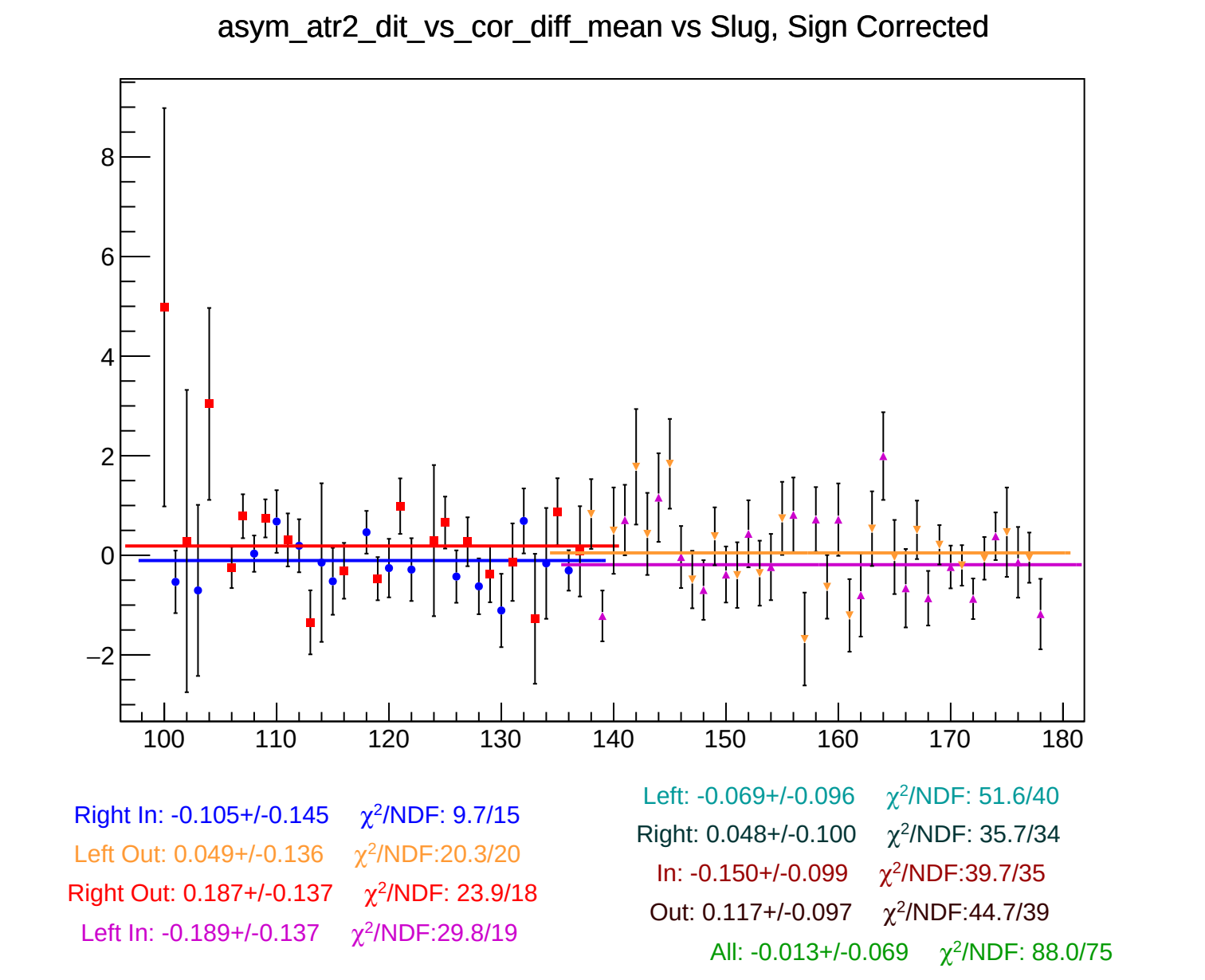
In: 8883.388+/-1.326 χ^2/NDF:1984517.9/35

Out: 8679.444+/-1.287 χ^2/NDF:2031719.7/39

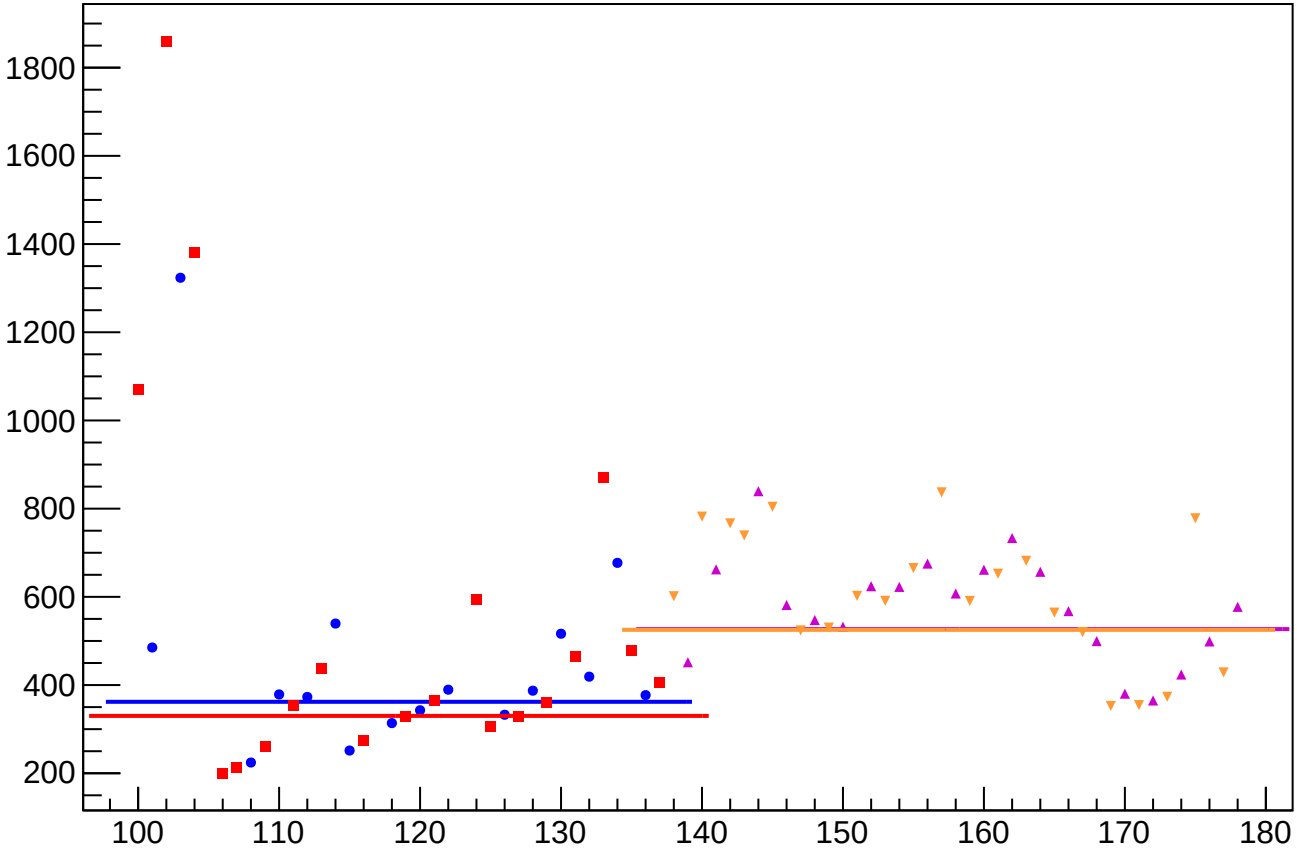
All: 8778.419+/-0.924 χ^2/NDF: 4028418.2/75


asym_atr2_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
−6
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 13.6/15
Left Out: -0.000+/-0.000 χ²/NDF:14.1/20
Right Out: -0.000+/-0.000 χ²/NDF: 19.6/18
Left In: 0.000+/-0.000 χ²/NDF:17.7/19
Left: 0.000+/-0.000 χ²/NDF: 32.3/40
Right: -0.000+/-0.000 χ²/NDF: 33.3/34
In: 0.000+/-0.000 χ²/NDF:32.2/35
Out: -0.000+/-0.000 χ²/NDF:33.8/39
All: -0.000+/-0.000 χ²/NDF: 66.4/75


asym_atr2_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1
0.8
0.6
0.4
0.2
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1342263.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1001264.6/20
Right Out: 0.000+/-0.000 χ²/NDF: 2066454.3/18
Left In: 0.000+/-0.000 χ²/NDF:1169583.4/19
Left: 0.000+/-0.000 χ²/NDF: 2171352.0/40
Right: 0.000+/-0.000 χ²/NDF: 3409753.0/34
In: 0.000+/-0.000 χ²/NDF:2828047.2/35
Out: 0.000+/-0.000 χ²/NDF:3338715.4/39
All: 0.000+/-0.000 χ²/NDF: 6170160.7/75


asym_atr2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
100
110
120
130
140
150
160
170
180
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: -0.189+/-0.137 χ²/NDF:29.8/19
Left: -0.069+/-0.096 χ²/NDF: 51.6/40
Right: 0.048+/-0.100 χ²/NDF: 35.7/34
In: -0.150+/-0.099 χ²/NDF:39.7/35
Out: 0.117+/-0.097 χ²/NDF:44.7/39
All: -0.013+/-0.069 χ²/NDF: 88.0/75

asym_atr2_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 525.221+/-0.096 χ^2/NDF:2348702.1/20

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 526.930+/-0.097 χ^2/NDF:1473614.9/19

Left: 526.069+/-0.068 χ^2/NDF: 3822474.7/40

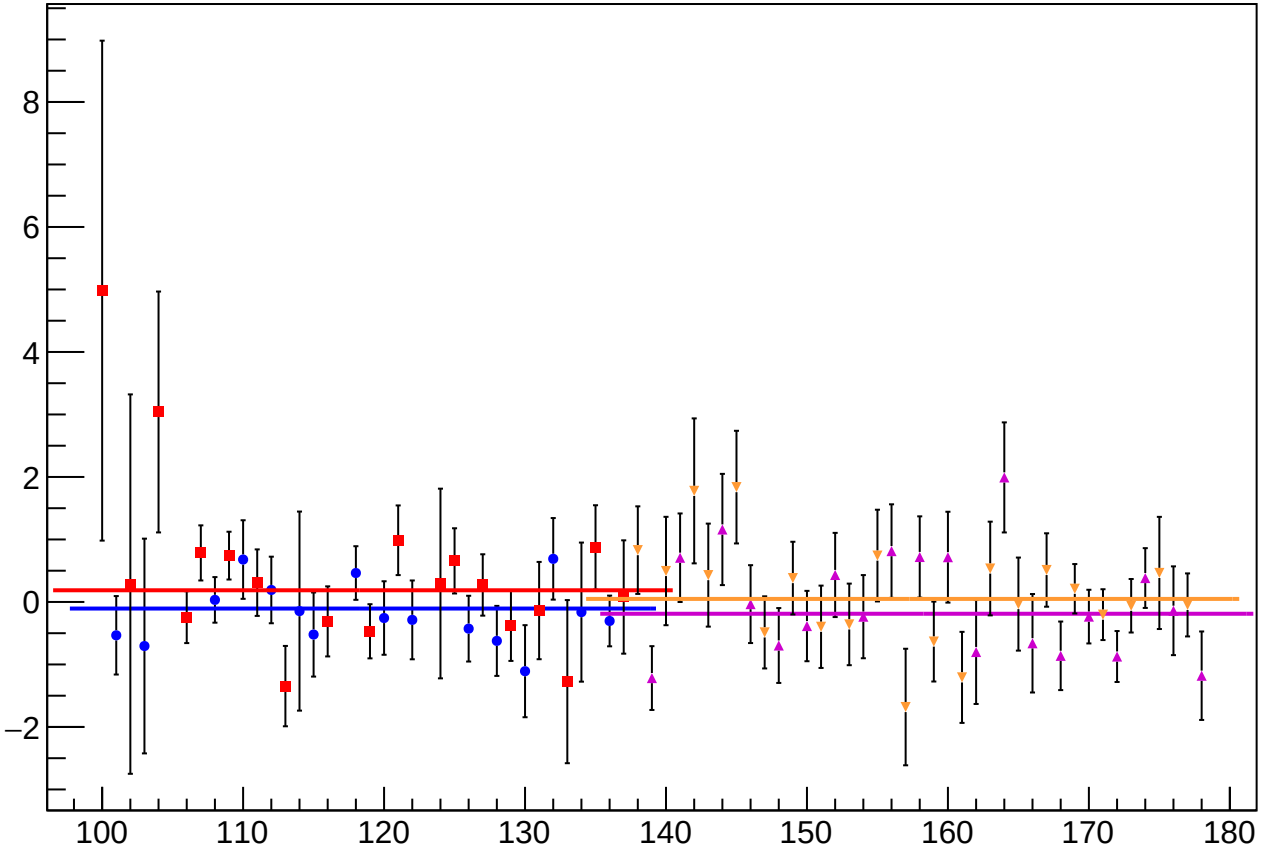
Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 449.212+/-0.070 χ^2/NDF:4224275.6/35

Out: 428.892+/-0.068 χ^2/NDF:6637489.4/39

All: 438.763+/-0.049 χ^2/NDF: 10904799.6/75

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.049+/-0.136 χ^2/NDF:20.3/20

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.189+/-0.137 χ^2/NDF:29.8/19

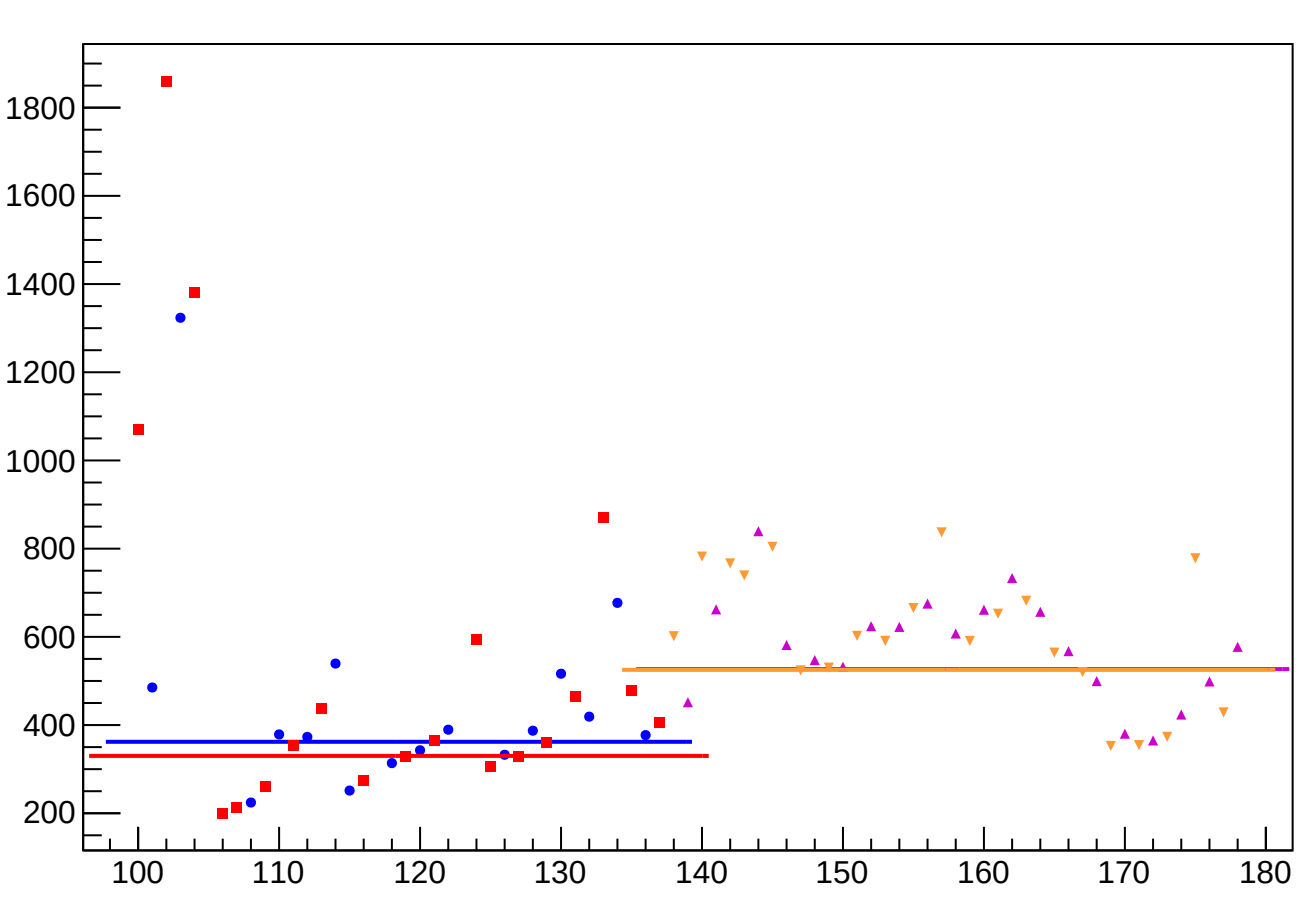
Left: -0.069+/-0.096 χ^2/NDF: 51.6/40

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.150+/-0.099 χ^2/NDF:39.7/35

Out: 0.117+/-0.097 χ^2/NDF:44.7/39

All: -0.013+/-0.069 χ^2/NDF: 88.0/75



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: 526.930+/-0.097 χ^2/NDF:1473614.9/19

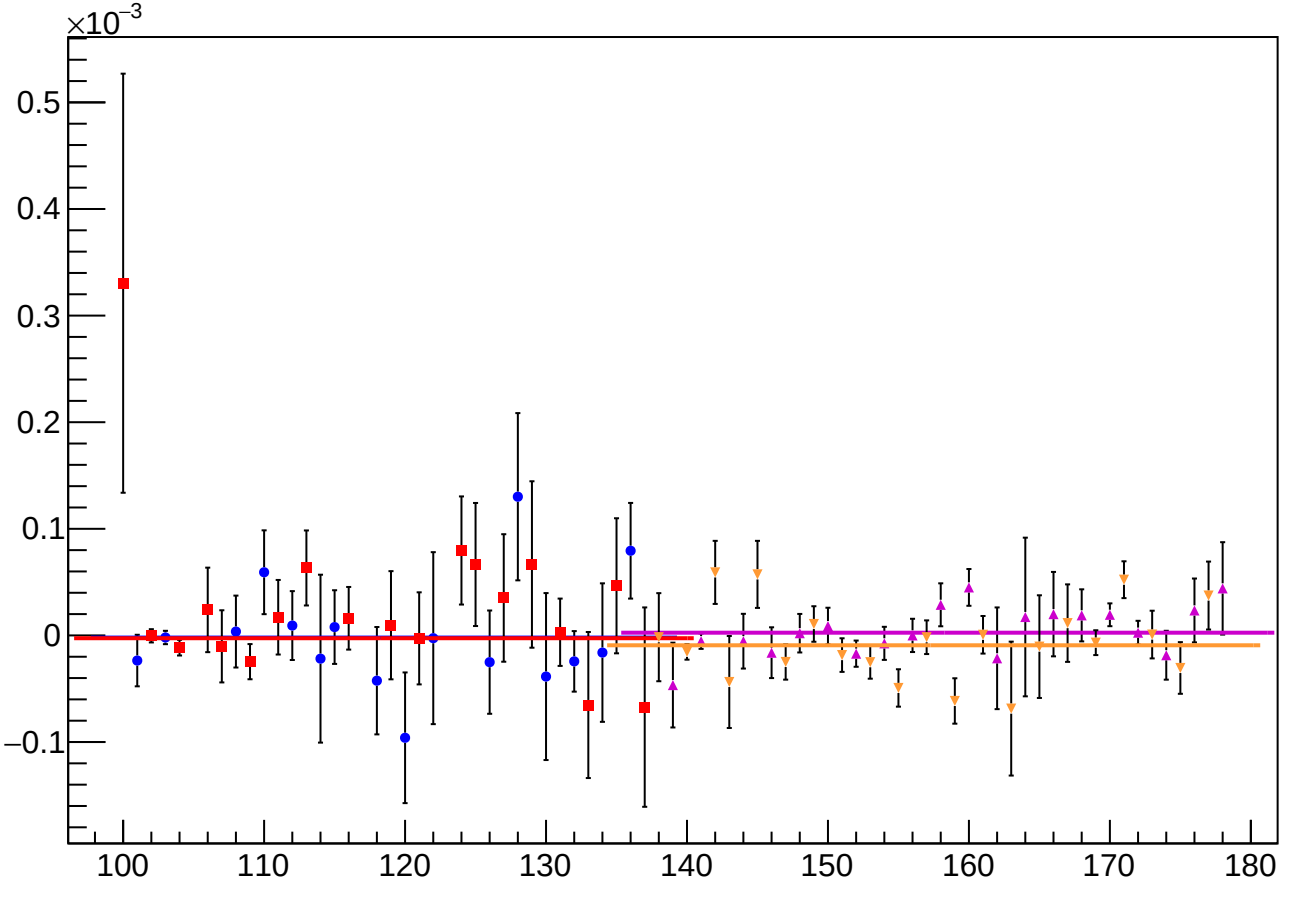
Left: 526.069+/-0.068 χ^2/NDF: 3822474.7/40

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 449.212+/-0.070 χ^2/NDF:4224275.6/35

Out: 428.892+/-0.068 χ^2/NDF:6637489.4/39

All: 438.763+/-0.049 χ^2/NDF: 10904799.6/75



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:20.0/19

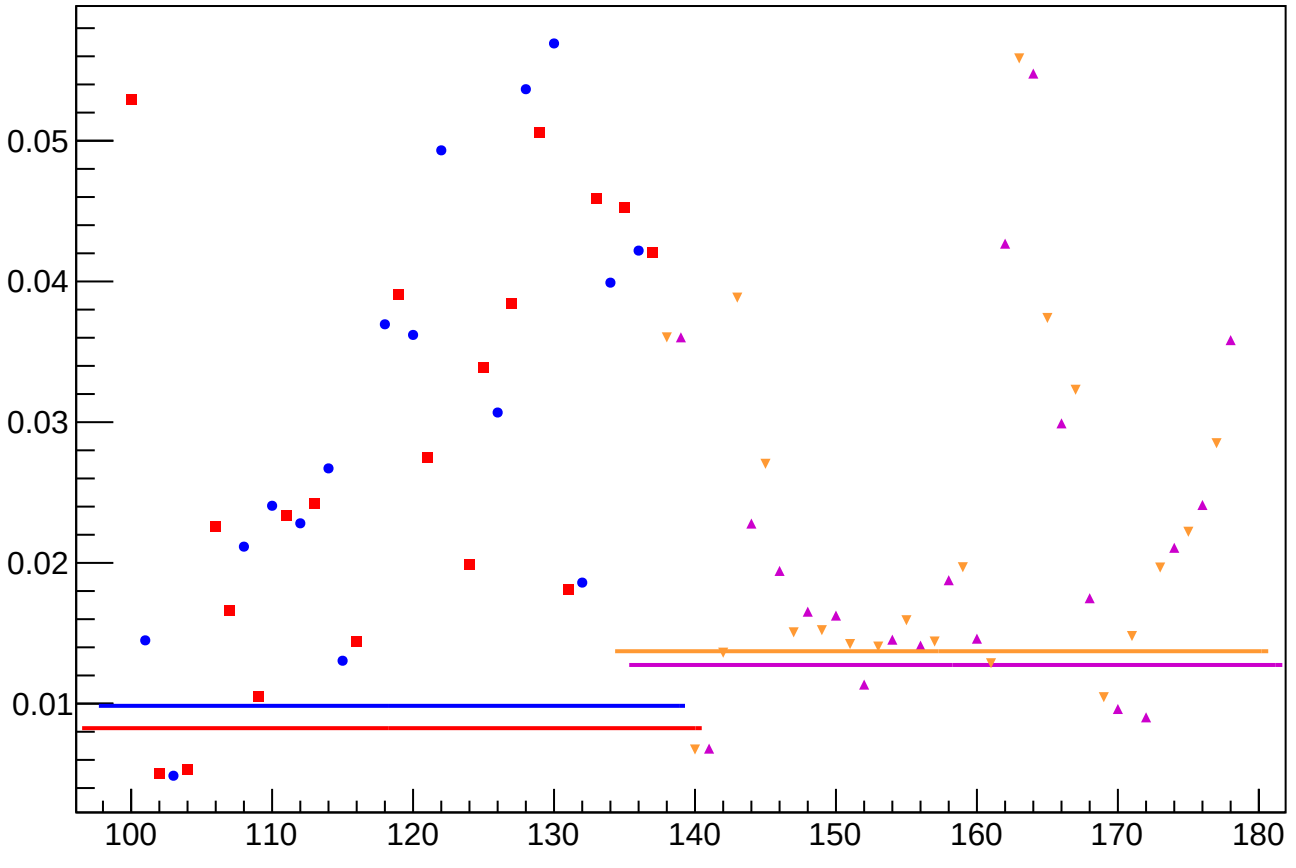
Left: -0.000+/-0.000 χ^2/NDF: 68.6/40

Right: -0.000+/-0.000 χ^2/NDF: 32.0/34

In: 0.000+/-0.000 χ^2/NDF:34.2/35

Out: -0.000+/-0.000 χ^2/NDF:63.3/39

All: -0.000+/-0.000 χ^2/NDF: 100.6/75



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:6330766.5/19

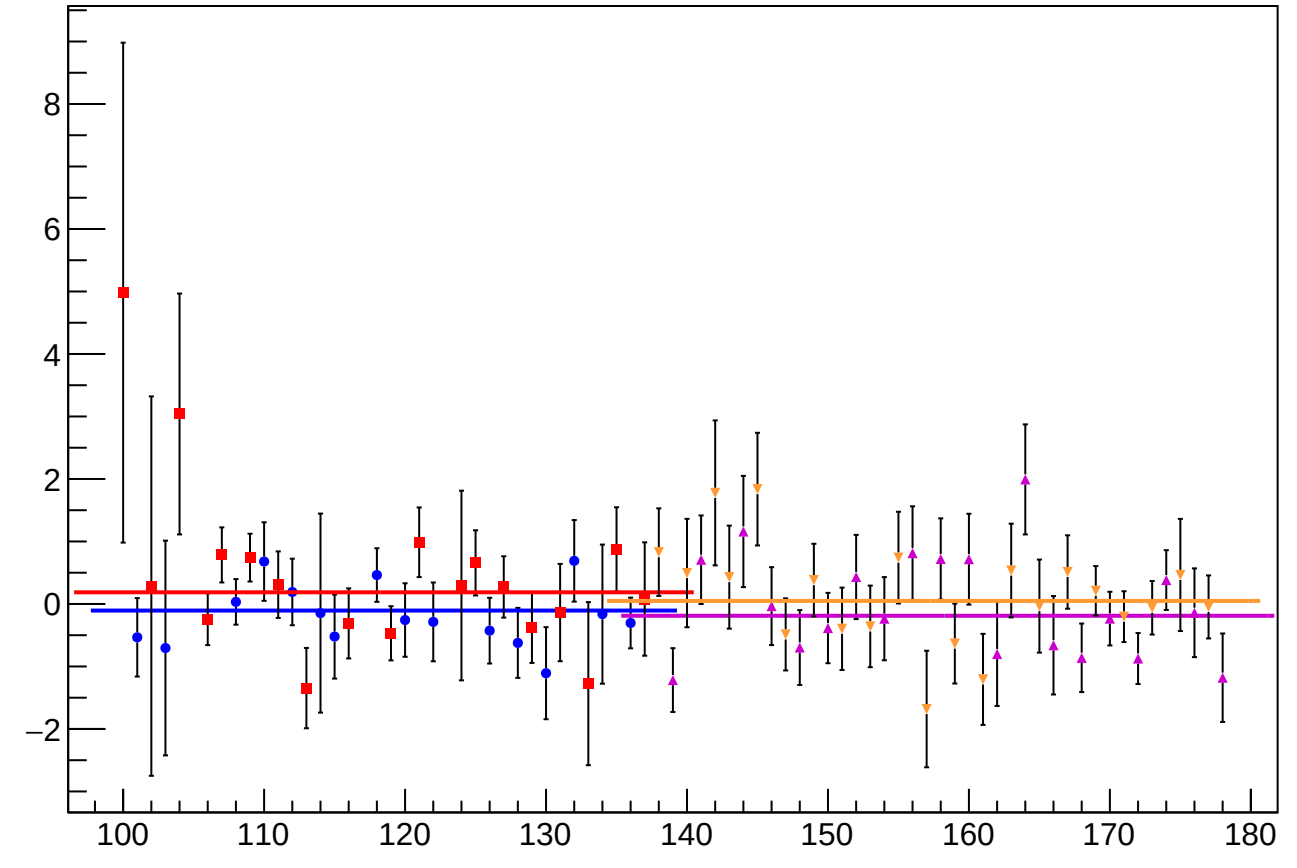
Left: 0.013+/-0.000 χ^2/NDF: 12941382.8/40

Right: 0.009+/-0.000 χ^2/NDF: 13900238.9/34

In: 0.012+/-0.000 χ^2/NDF:13776631.6/35

Out: 0.011+/-0.000 χ^2/NDF:15105440.8/39

All: 0.012+/-0.000 χ^2/NDF: 28922566.4/75



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: -0.189+/-0.137 χ^2/NDF:29.8/19

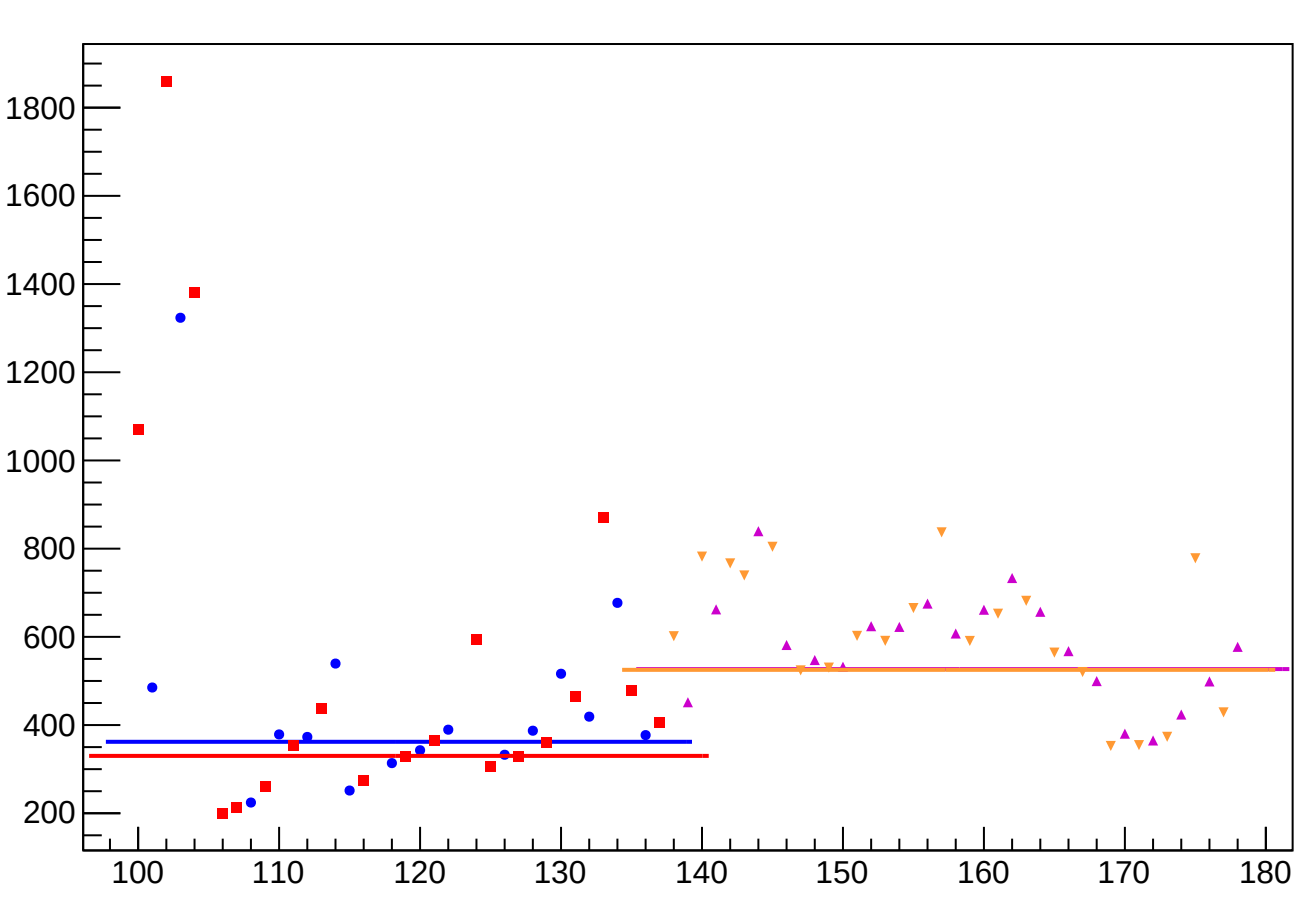
Left: -0.069+/-0.096 χ^2/NDF: 51.6/40

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.150+/-0.099 χ^2/NDF:39.7/35

Out: 0.117+/-0.097 χ^2/NDF:44.7/39

All: -0.013+/-0.069 χ^2/NDF: 88.0/75



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: 526.935+/-0.097 χ^2/NDF:1473666.7/19

Left: 526.074+/-0.068 χ^2/NDF: 3822624.4/40

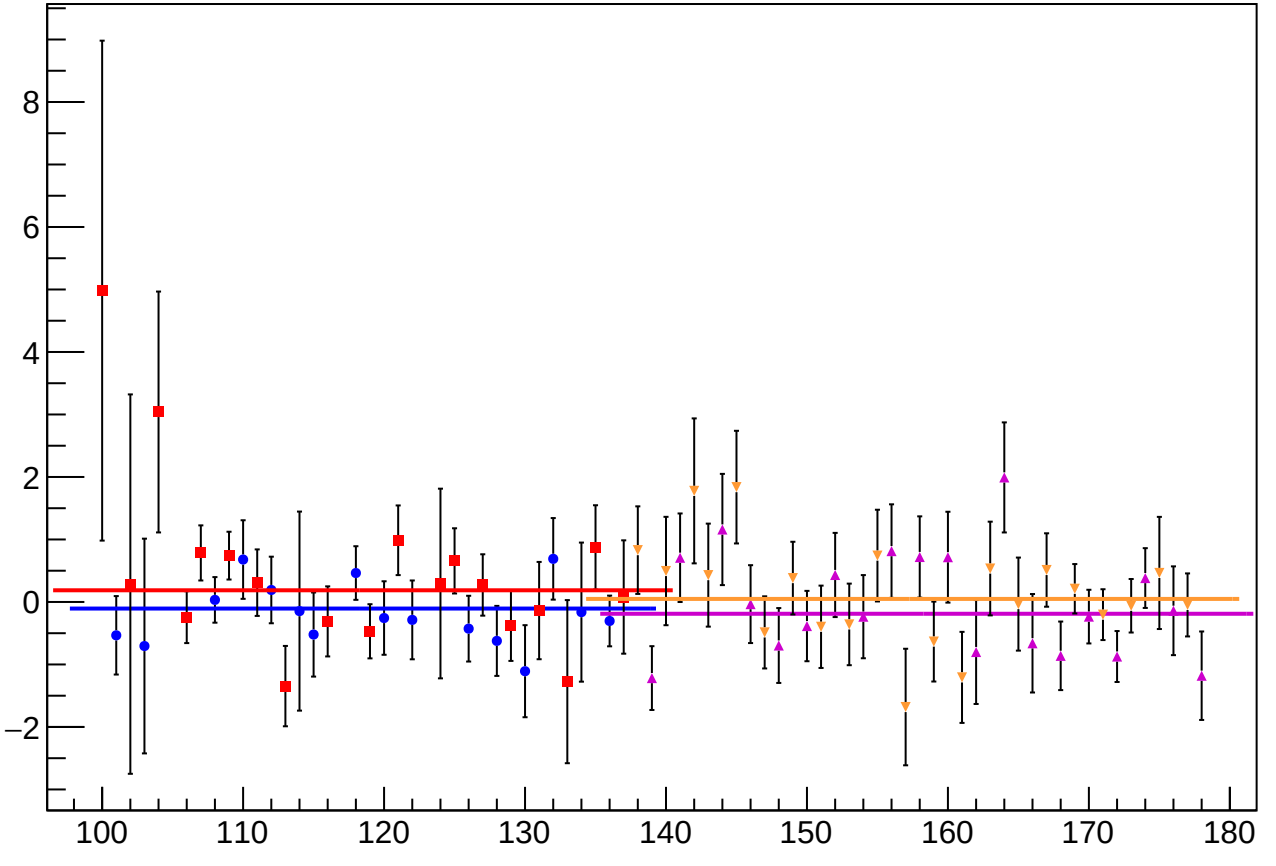
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 449.212+/-0.070 χ^2/NDF:4224456.0/35

Out: 428.893+/-0.068 χ^2/NDF:6637686.9/39

All: 438.763+/-0.049 χ^2/NDF: 10905176.4/75

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.049+/-0.136 χ^2/NDF:20.3/20

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.189+/-0.137 χ^2/NDF:29.8/19

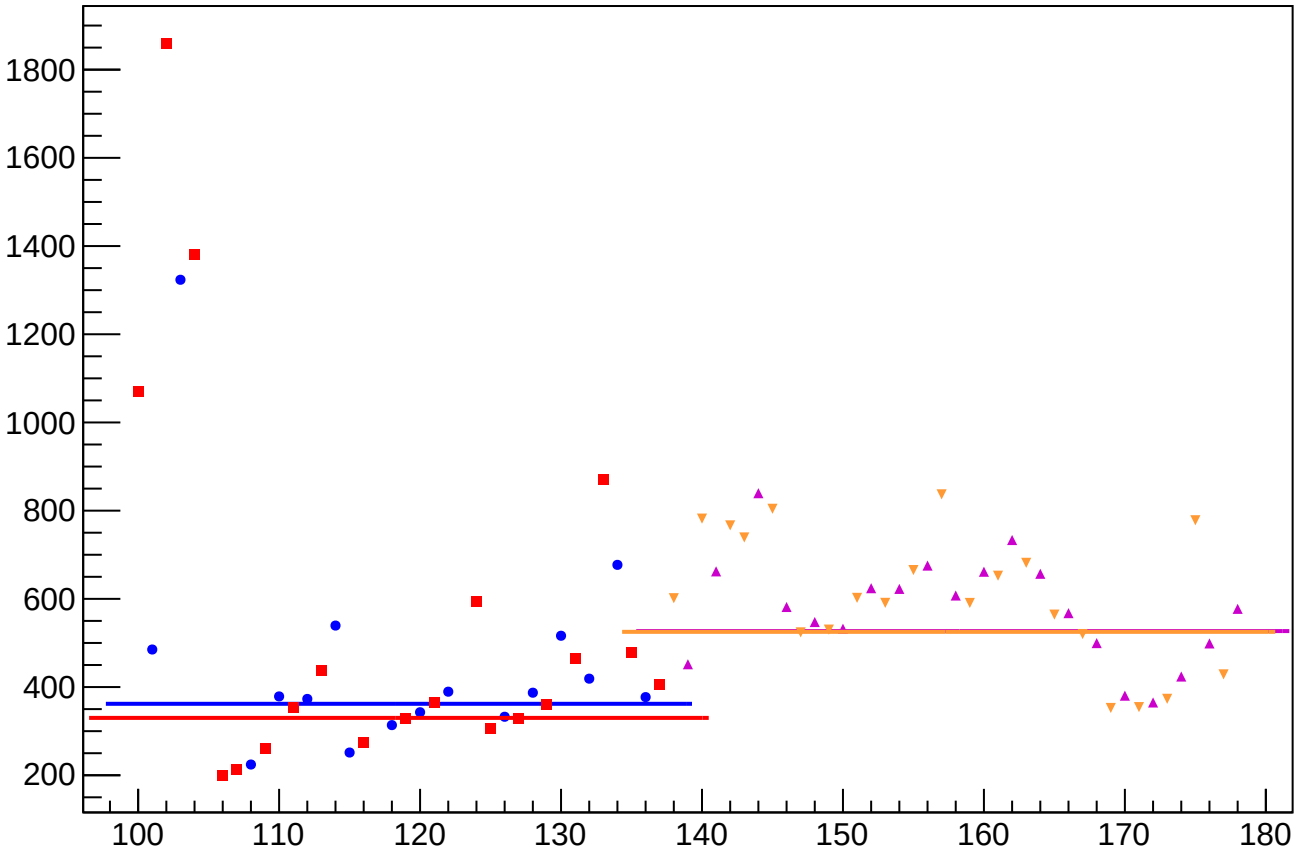
Left: -0.069+/-0.096 χ^2/NDF: 51.6/40

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.150+/-0.099 χ^2/NDF:39.7/35

Out: 0.117+/-0.097 χ^2/NDF:44.7/39

All: -0.013+/-0.069 χ^2/NDF: 88.0/75



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: 526.935+/-0.097 χ^2/NDF:1473666.7/19

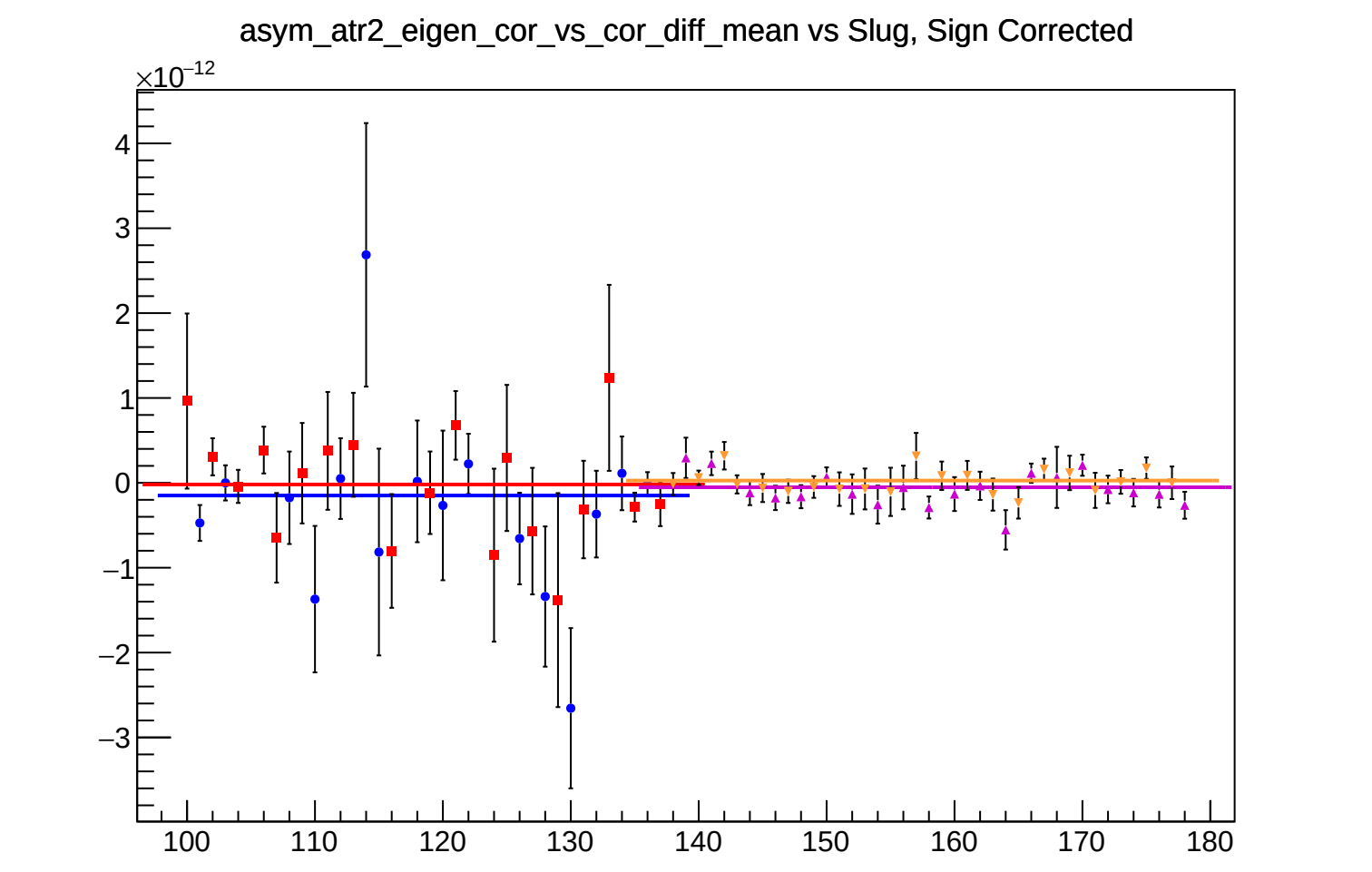
Left: 526.074+/-0.068 χ^2/NDF: 3822624.4/40

Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 449.212+/-0.070 χ^2/NDF:4224456.0/35

Out: 428.893+/-0.068 χ^2/NDF:6637686.9/39

All: 438.763+/-0.049 χ^2/NDF: 10905176.4/75



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:27.1/19

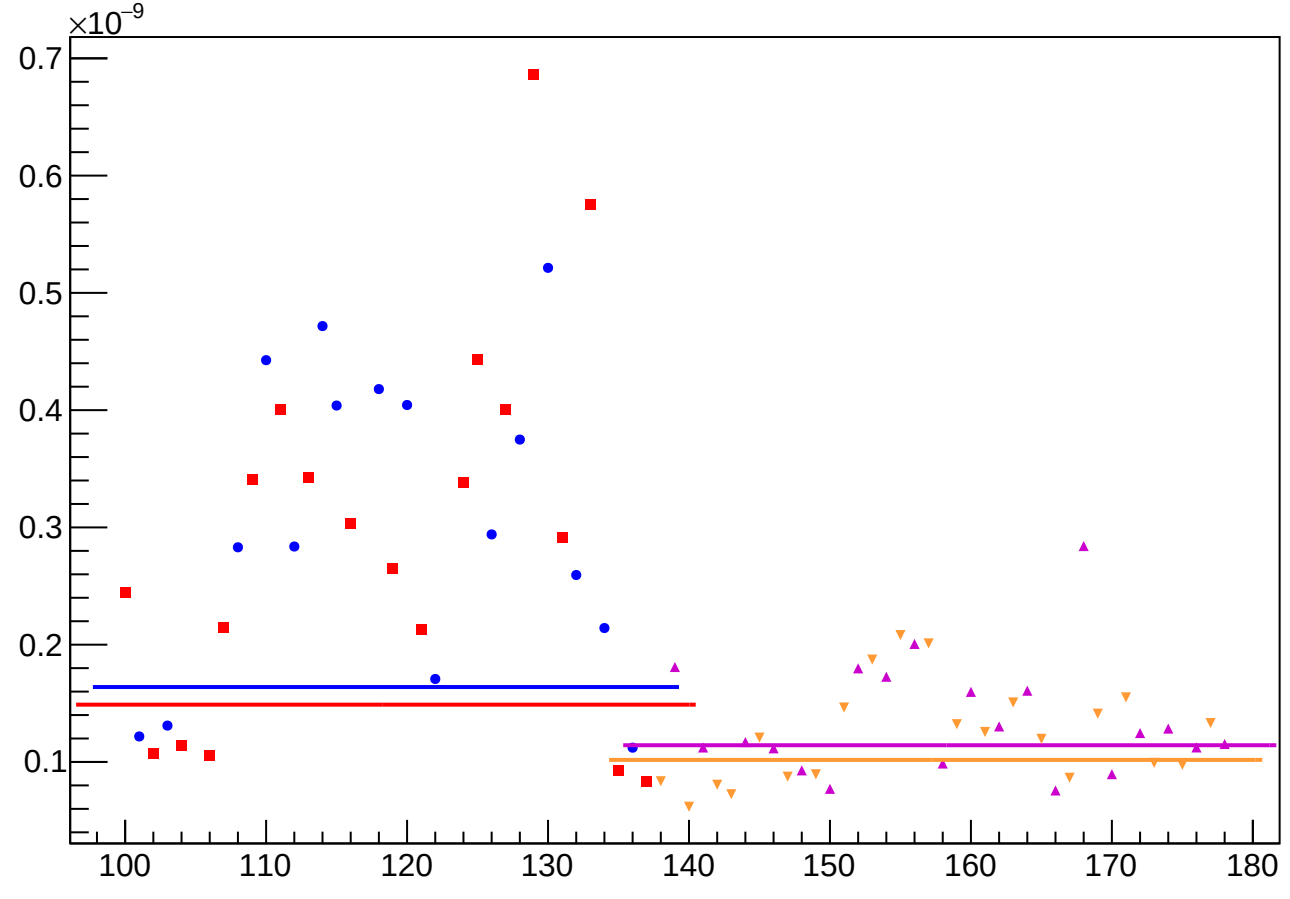
Left: -0.000+/-0.000 χ^2/NDF: 42.6/40

Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

In: -0.000+/-0.000 χ^2/NDF:49.4/35

Out: 0.000+/-0.000 χ^2/NDF:32.6/39

All: -0.000+/-0.000 χ^2/NDF: 85.7/75



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:1954182.4/19

Left: 0.000+/-0.000 χ^2/NDF: 4269261.8/40

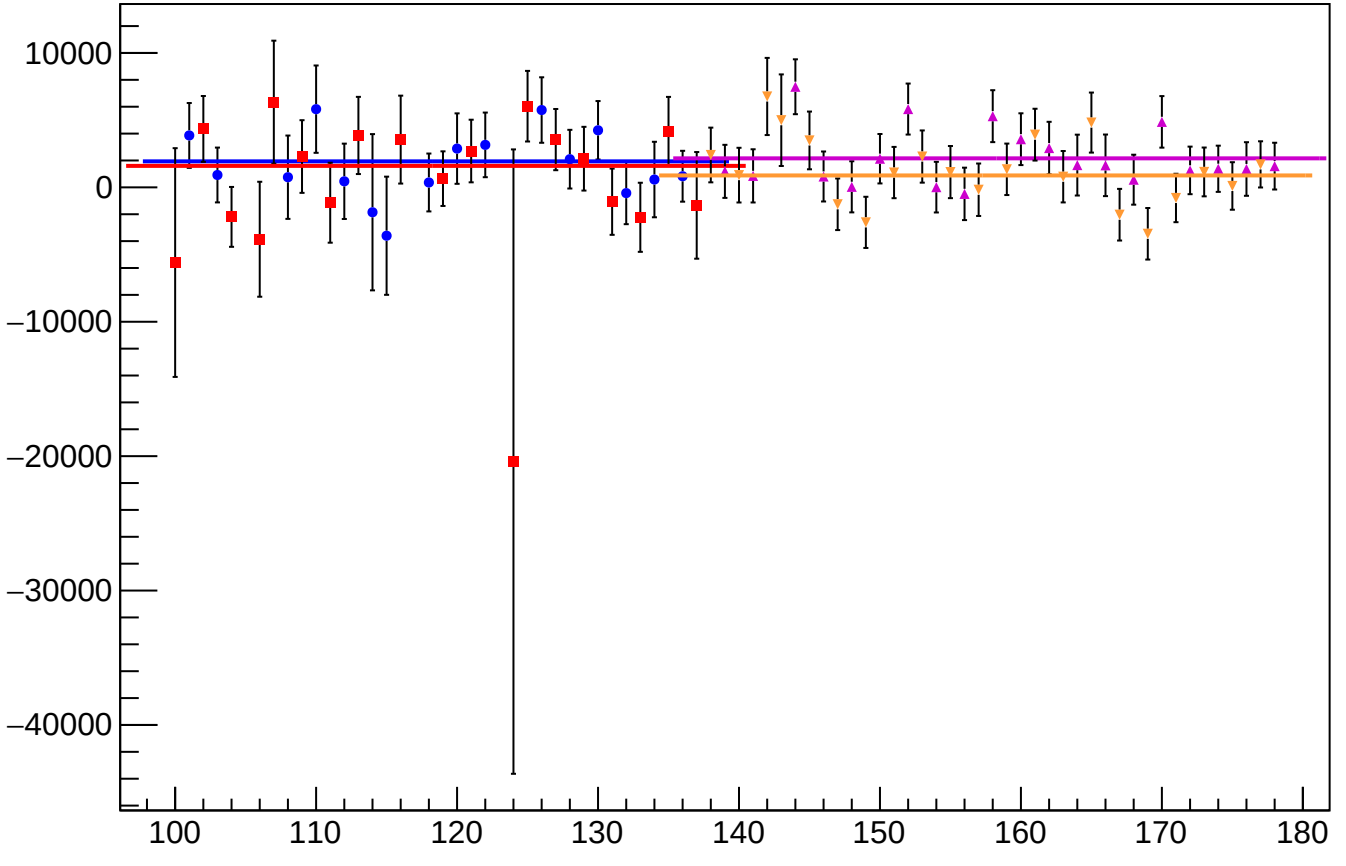
Right: 0.000+/-0.000 χ^2/NDF: 4888401.8/34

In: 0.000+/-0.000 χ^2/NDF:4520541.6/35

Out: 0.000+/-0.000 χ^2/NDF:5578218.8/39

All: 0.000+/-0.000 χ^2/NDF: 10270260.4/75

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: 2158.442+/-429.463 χ^2/NDF:23.0/19

Left: 1526.798+/-304.672 χ^2/NDF: 54.9/40

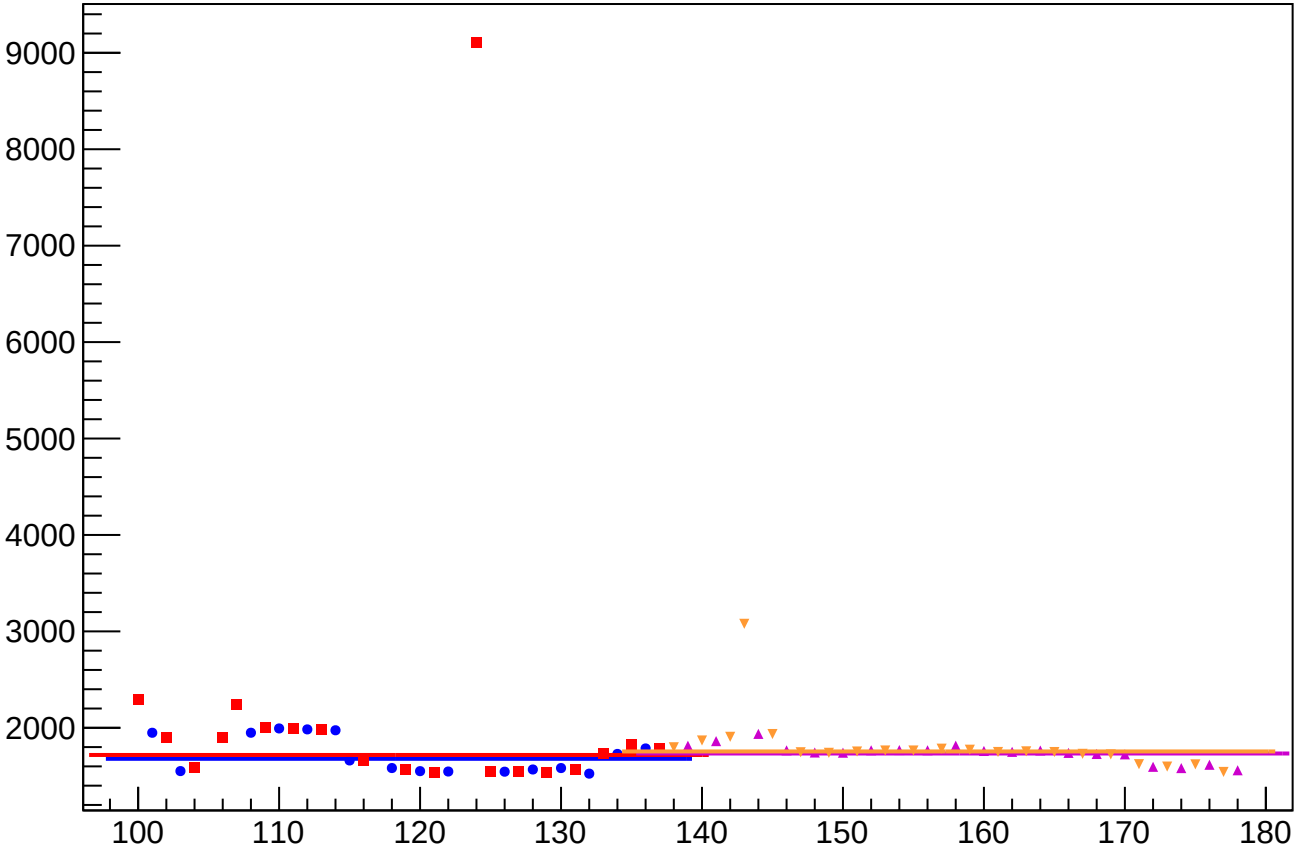
Right: 1770.157+/-448.956 χ^2/NDF: 30.4/34

In: 2087.146+/-354.475 χ^2/NDF:34.0/35

Out: 1108.556+/-358.616 χ^2/NDF:47.8/39

All: 1603.534+/-252.103 χ^2/NDF: 85.5/75

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: 1733.619+/-0.304 χ^2/NDF:93252.3/19

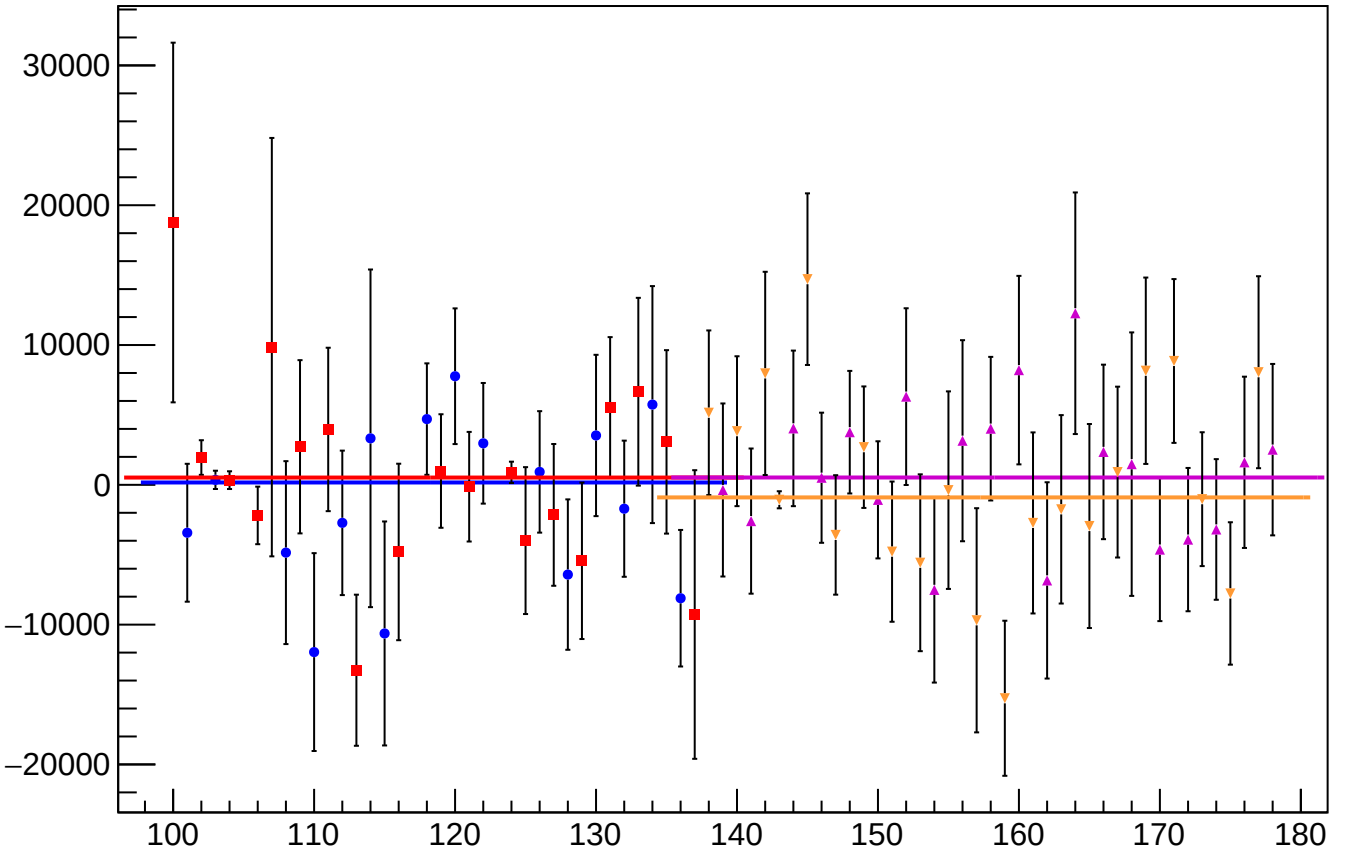
Left: 1744.178+/-0.215 χ^2/NDF: 493829.2/40

Right: 1698.073+/-0.317 χ^2/NDF: 528602.3/34

In: 1716.065+/-0.251 χ^2/NDF:245219.1/35

Out: 1743.401+/-0.253 χ^2/NDF:785813.1/39

All: 1729.594+/-0.178 χ^2/NDF: 1036919.1/75



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: 524.868+/-1272.644 χ^2/NDF:11.2/19

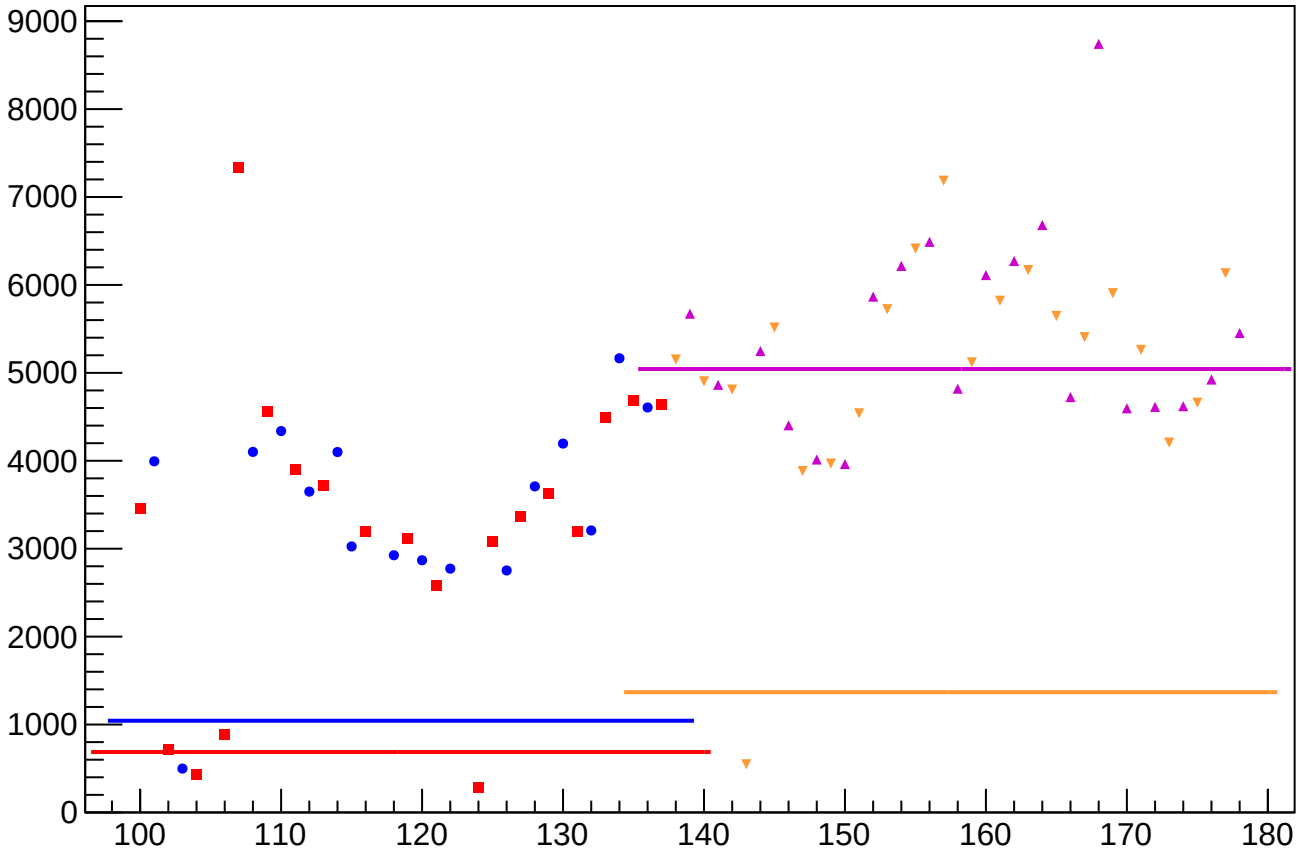
Left: -674.047+/-506.522 χ^2/NDF: 40.6/40

Right: 401.068+/-345.050 χ^2/NDF: 34.6/34

In: 231.647+/-536.474 χ^2/NDF:27.1/35

Out: -7.191+/-336.675 χ^2/NDF:51.1/39

All: 60.295+/-285.170 χ^2/NDF: 78.3/75



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: 5043.526+/-0.900 χ^2/NDF:1037982.3/19

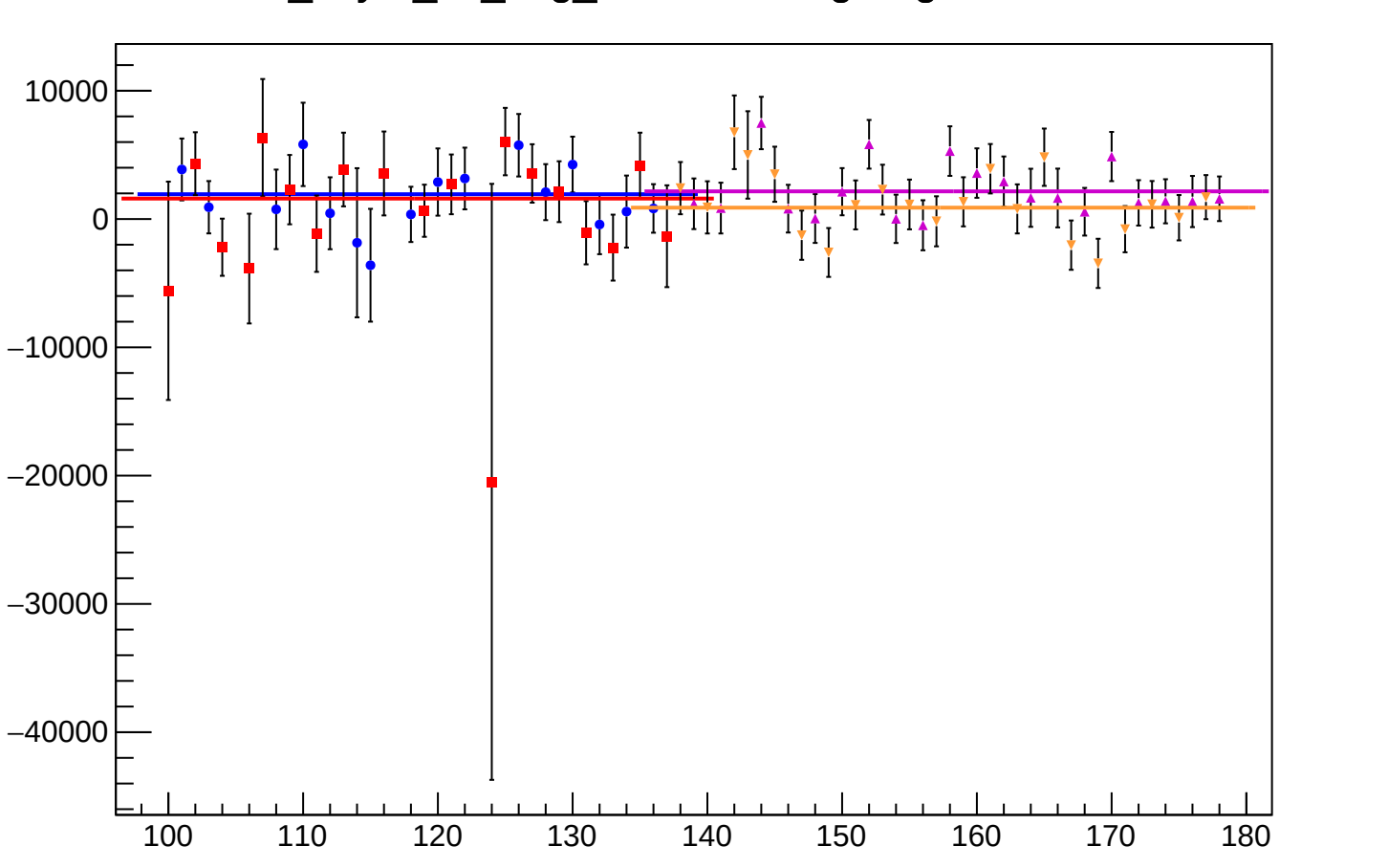
Left: 1949.999+/-0.358 χ^2/NDF: 35727498.7/40

Right: 808.358+/-0.244 χ^2/NDF: 17220710.7/34

In: 1753.983+/-0.379 χ^2/NDF:25399975.0/35

Out: 940.305+/-0.238 χ^2/NDF:31187017.1/39

All: 1170.218+/-0.202 χ^2/NDF: 59887820.6/7



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: 2158.463+/-429.463 χ^2/NDF:23.0/19

Left: 1526.780+/-304.672 χ^2/NDF: 54.9/40

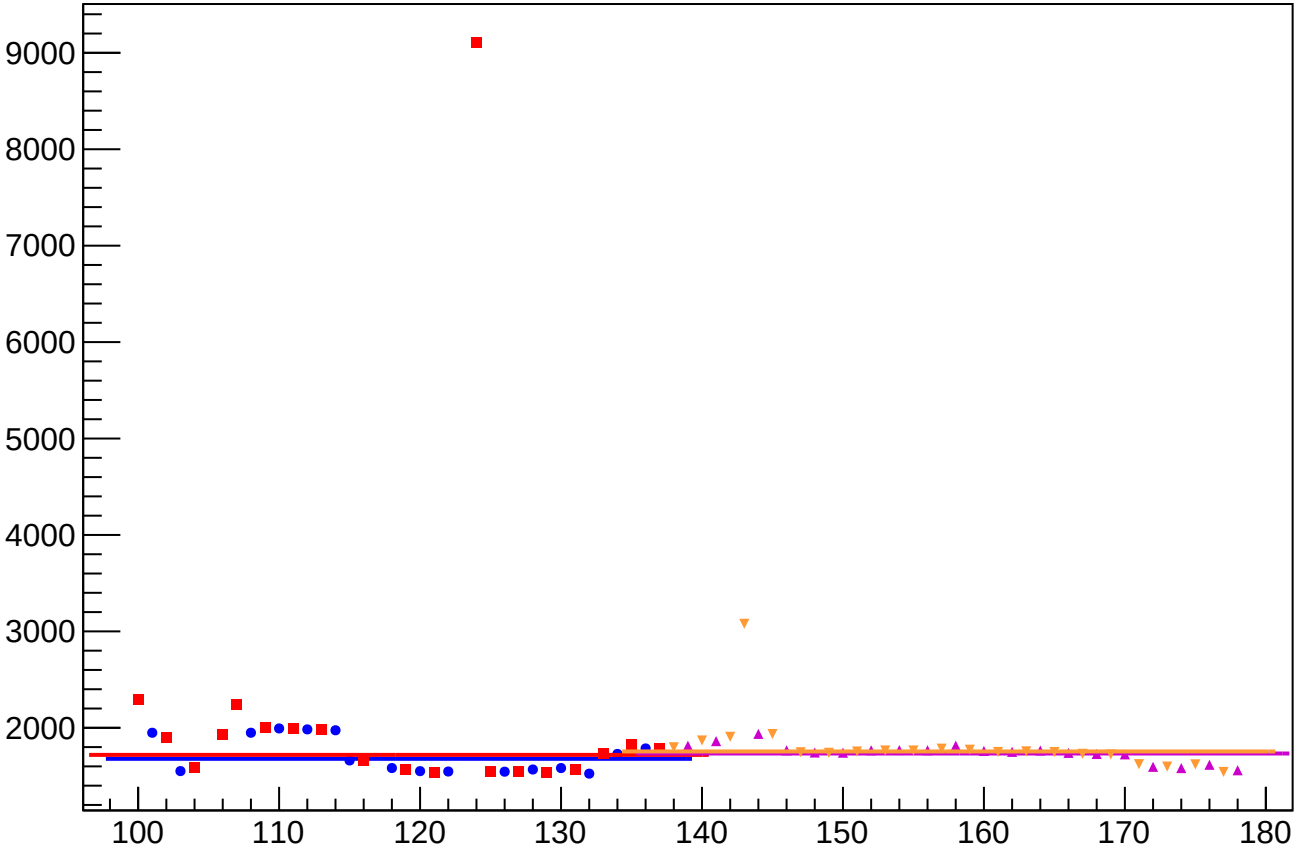
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2087.197+/-354.475 χ^2/NDF:34.0/35

Out: 1107.754+/-358.617 χ^2/NDF:47.7/39

All: 1603.164+/-252.103 χ^2/NDF: 85.5/75

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: 1733.619+/-0.304 χ^2/NDF:93252.3/19

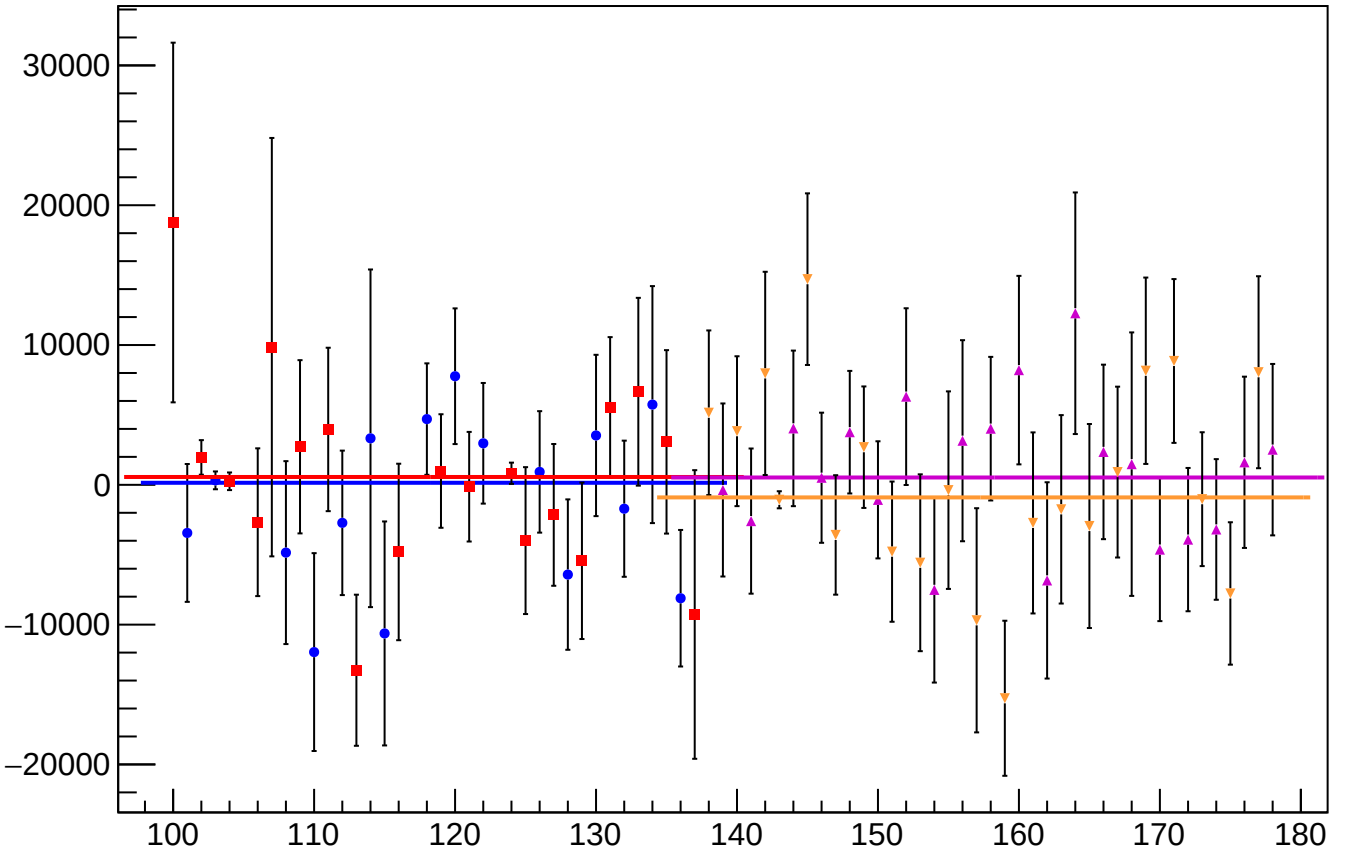
Left: 1744.178+/-0.215 χ^2/NDF: 493829.2/40

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1716.065+/-0.251 χ^2/NDF:245219.3/35

Out: 1743.670+/-0.253 χ^2/NDF:787350.7/39

All: 1729.725+/-0.178 χ^2/NDF: 1038572.4/75



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: 524.991+/-1272.644 χ^2/NDF:11.2/19

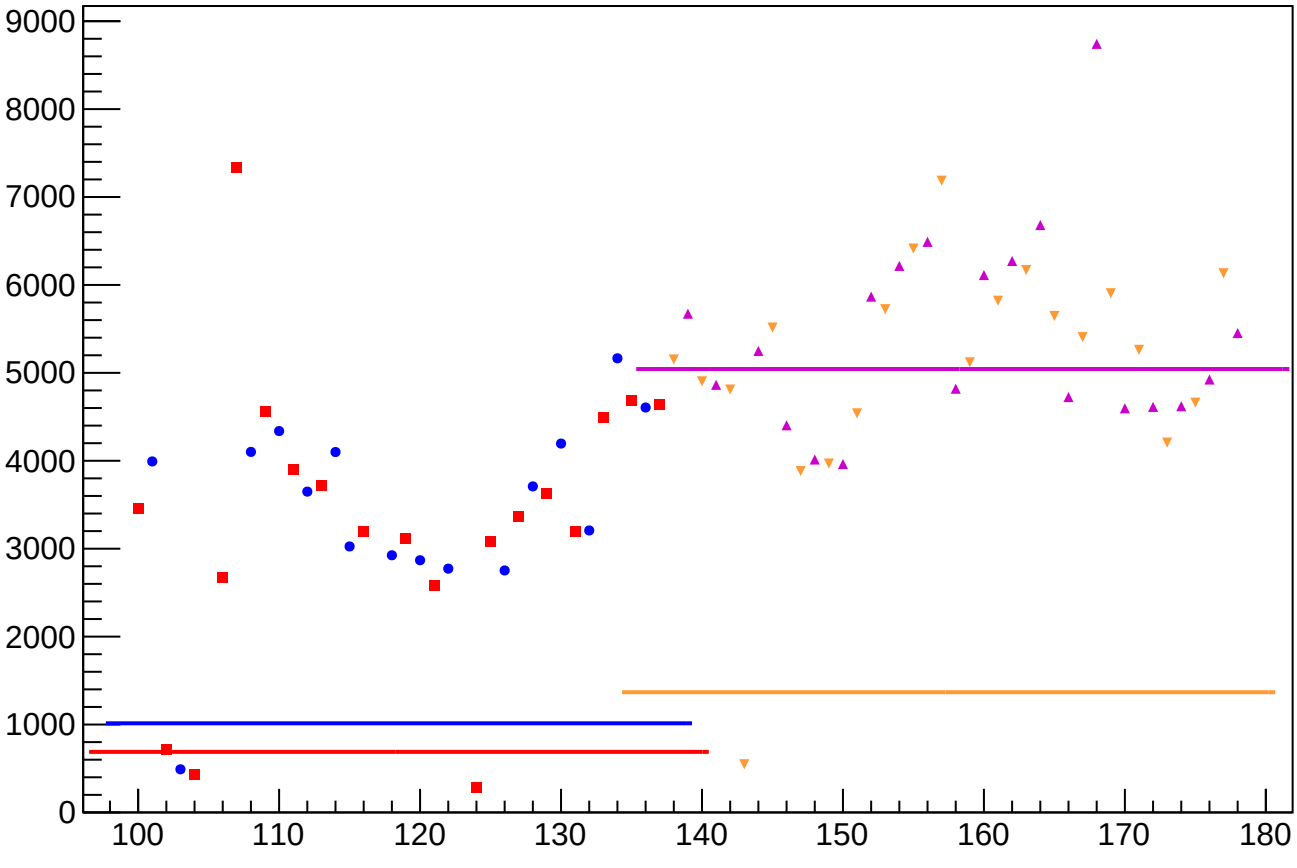
Left: -673.770+/-506.508 χ^2/NDF: 40.6/40

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 211.514+/-527.289 χ^2/NDF:27.1/35

Out: 8.919+/-339.556 χ^2/NDF:50.0/39

All: 68.306+/-285.483 χ^2/NDF: 77.1/75



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: 5043.522+/-0.900 χ^2/NDF:1038001.1/19

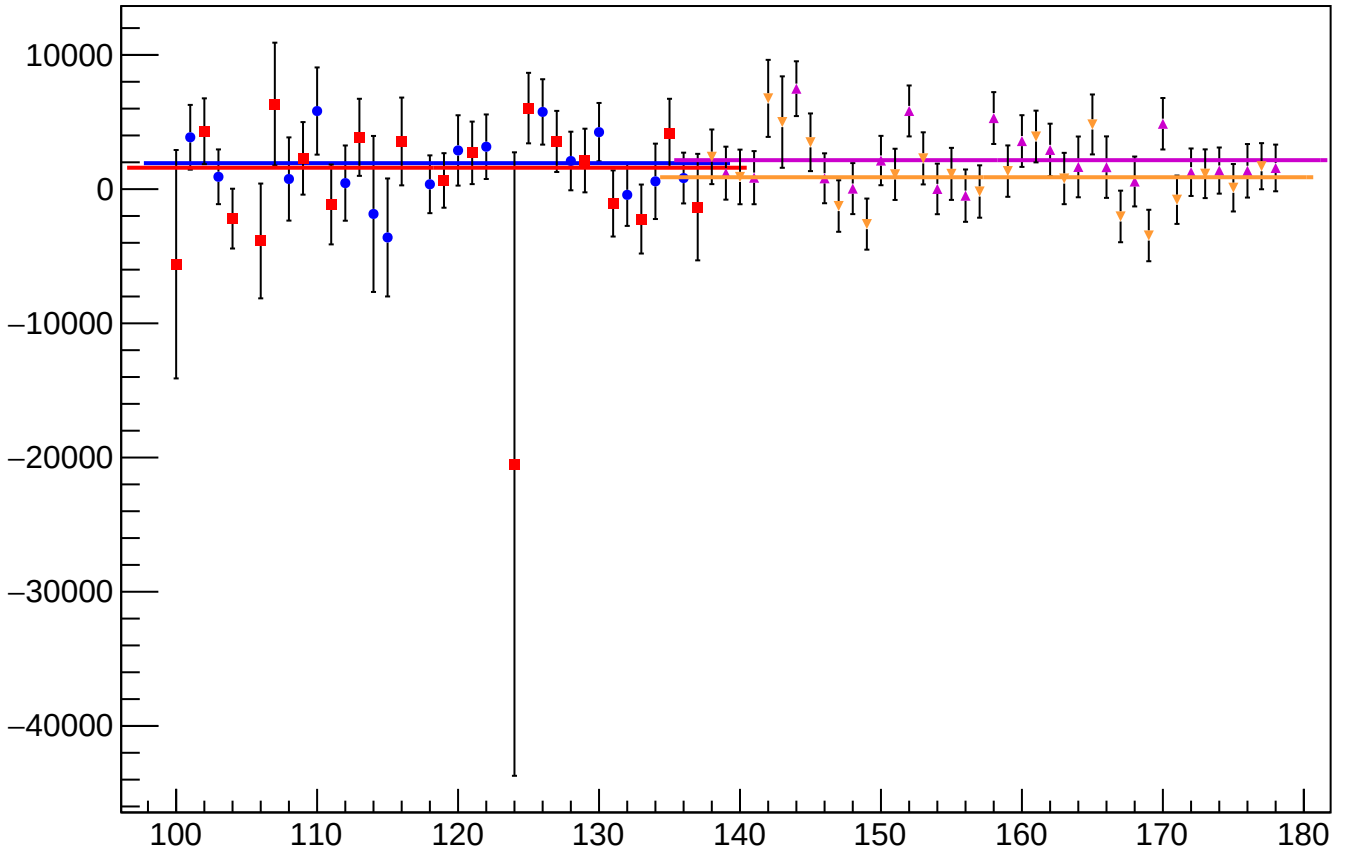
Left: 1949.904+/-0.358 χ^2/NDF: 35728716.8/40

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1705.809+/-0.373 χ^2/NDF:25868690.8/35

Out: 945.715+/-0.240 χ^2/NDF:31437030.1/39

All: 1168.523+/-0.202 χ^2/NDF: 60243409.3/7



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: 2158.463+/-429.463 χ^2/NDF:23.0/19

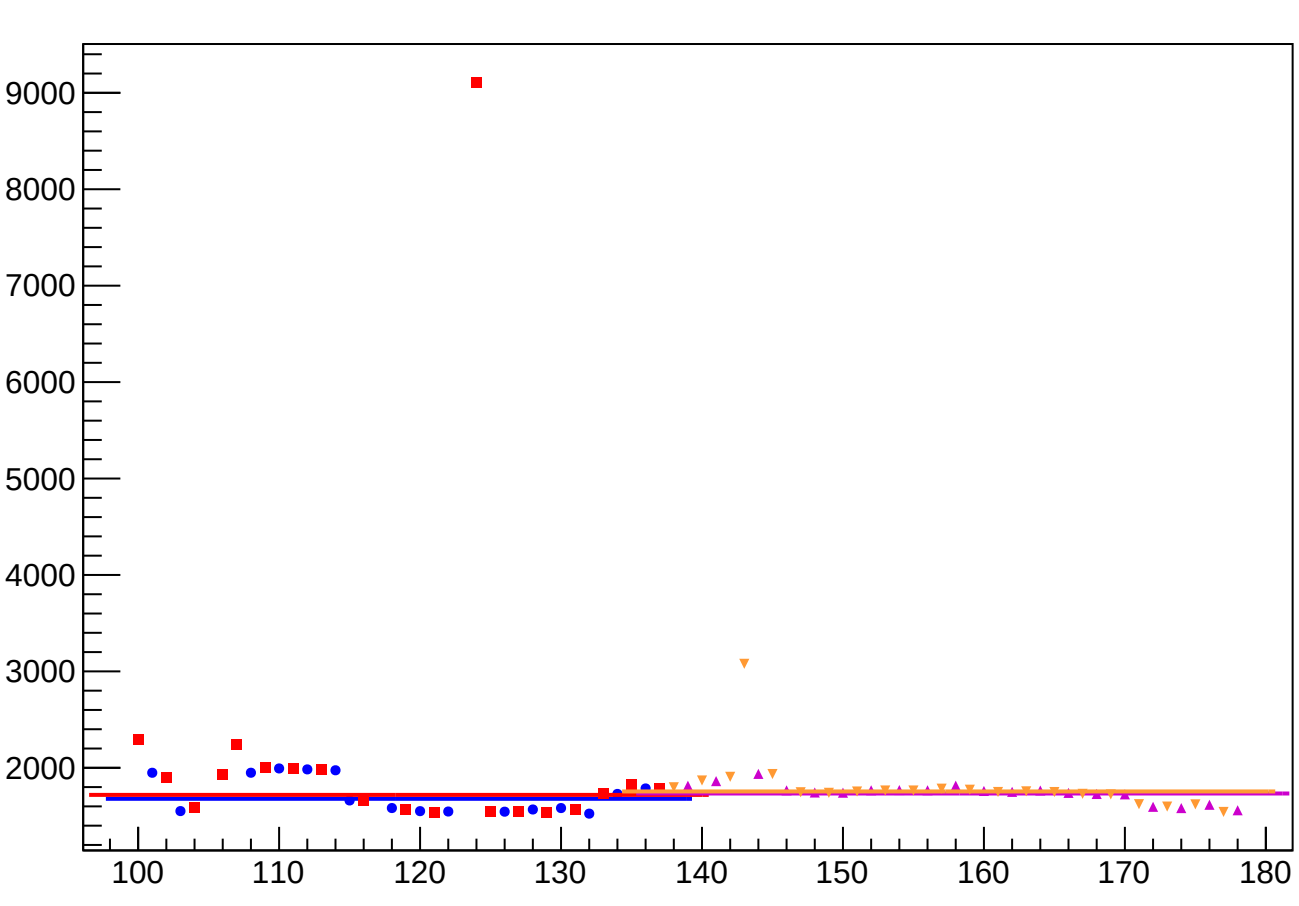
Left: 1526.780+/-304.672 χ^2/NDF: 54.9/40

Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2087.197+/-354.475 χ^2/NDF:34.0/35

Out: 1107.754+/-358.617 χ^2/NDF:47.7/39

All: 1603.164+/-252.103 χ^2/NDF: 85.5/75



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: 1733.619+/-0.304 χ^2/NDF:93252.3/19

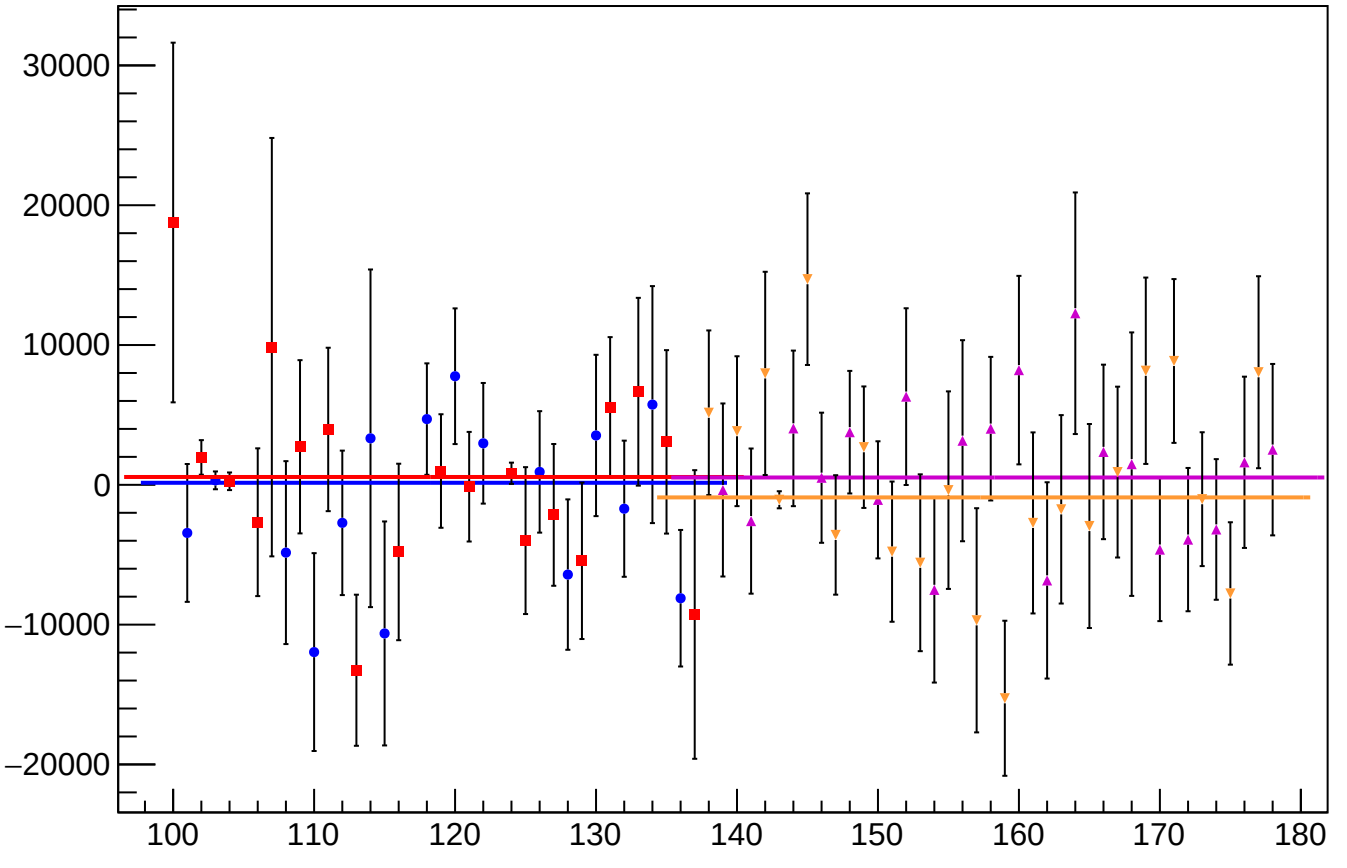
Left: 1744.178+/-0.215 χ^2/NDF: 493829.2/40

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1716.065+/-0.251 χ^2/NDF:245219.3/35

Out: 1743.670+/-0.253 χ^2/NDF:787350.7/39

All: 1729.725+/-0.178 χ^2/NDF: 1038572.4/75



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: 524.991+/-1272.644 χ^2/NDF:11.2/19

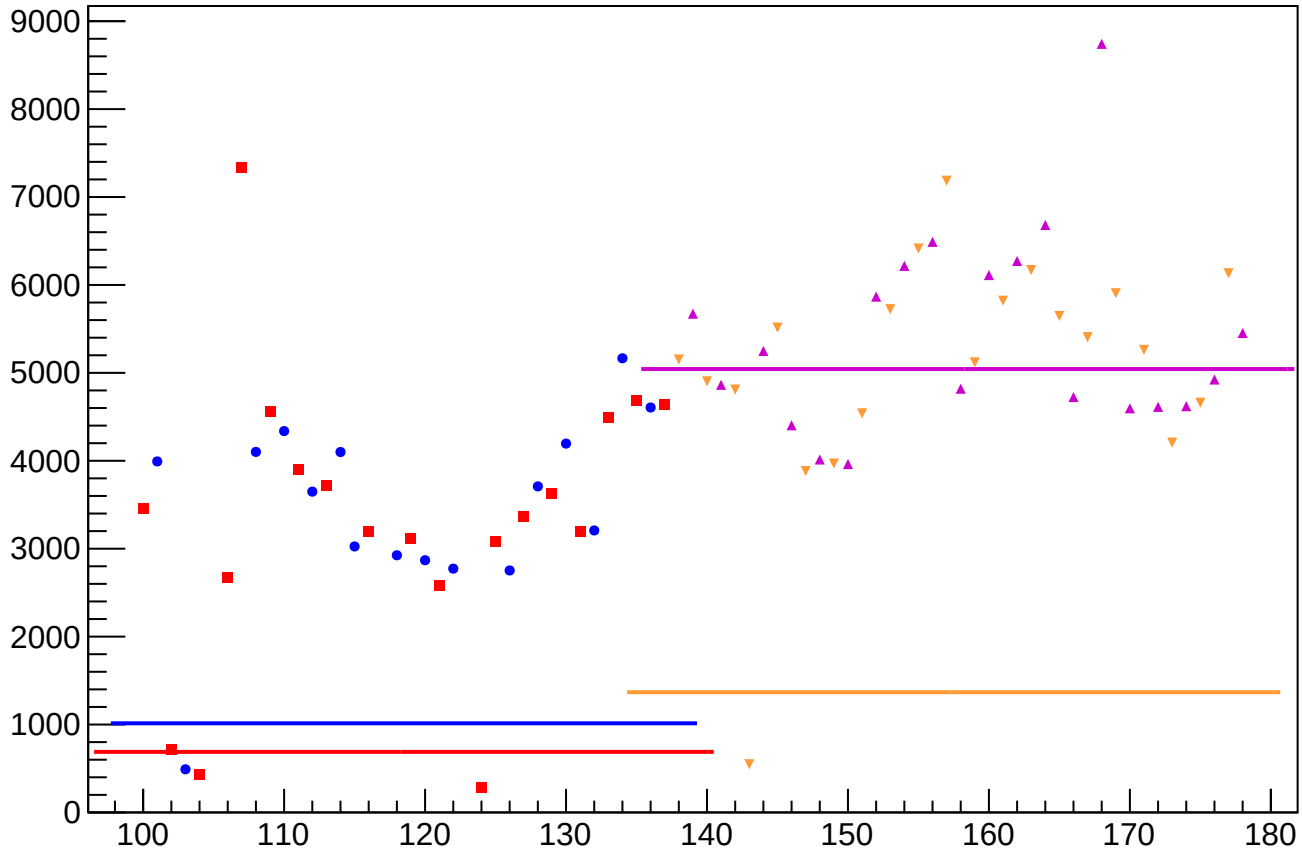
Left: -673.770+/-506.508 χ^2/NDF: 40.6/40

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 211.514+/-527.289 χ^2/NDF:27.1/35

Out: 8.919+/-339.556 χ^2/NDF:50.0/39

All: 68.306+/-285.483 χ^2/NDF: 77.1/75



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: 5043.522+/-0.900 χ^2/NDF:1038001.1/19

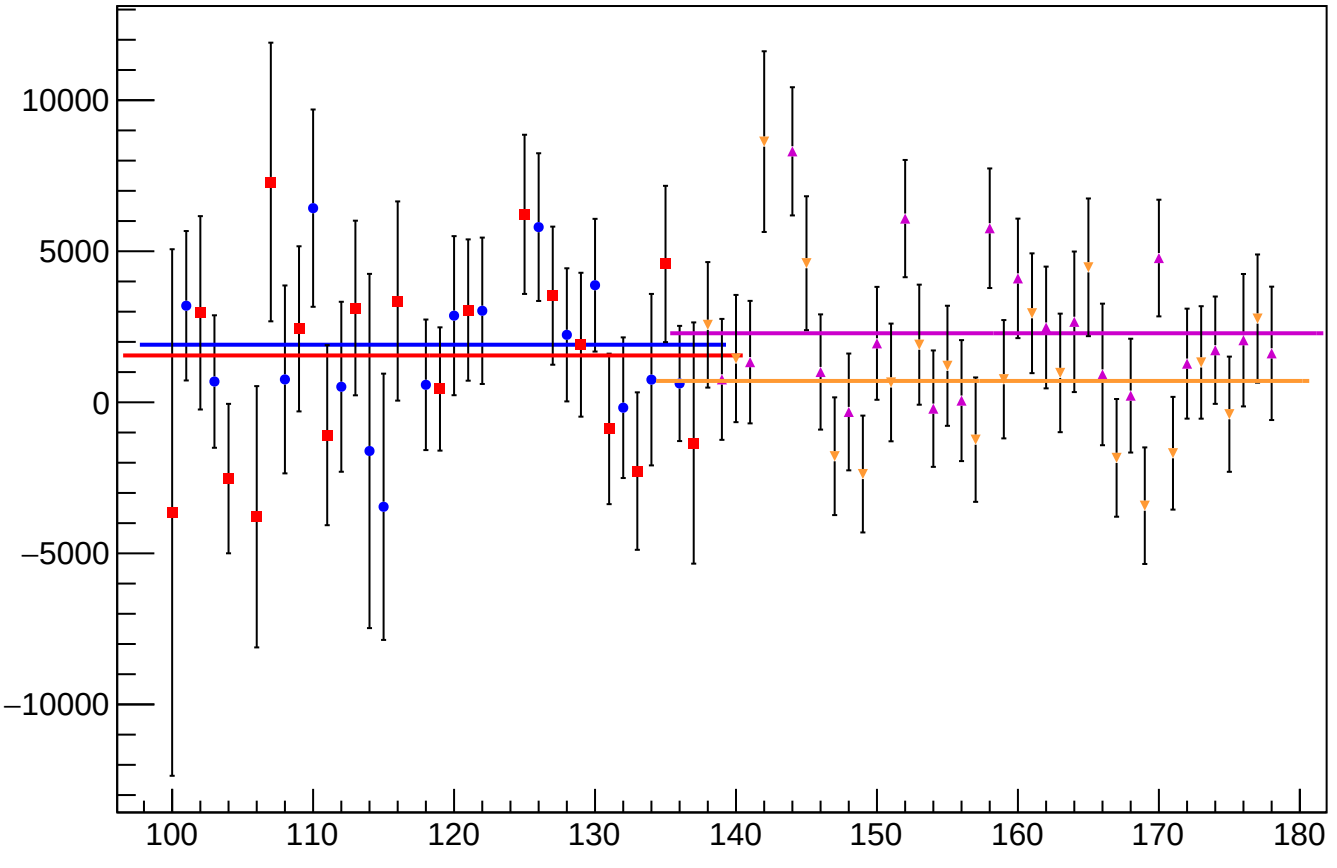
Left: 1949.904+/-0.358 χ^2/NDF: 35728716.8/40

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1705.809+/-0.373 χ^2/NDF:25868690.8/35

Out: 945.715+/-0.240 χ^2/NDF:31437030.1/39

All: 1168.523+/-0.202 χ^2/NDF: 60243409.3/7



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: 2285.602+/-445.679 χ^2/NDF:25.6/19

Left: 1508.499+/-317.559 χ^2/NDF: 61.6/39

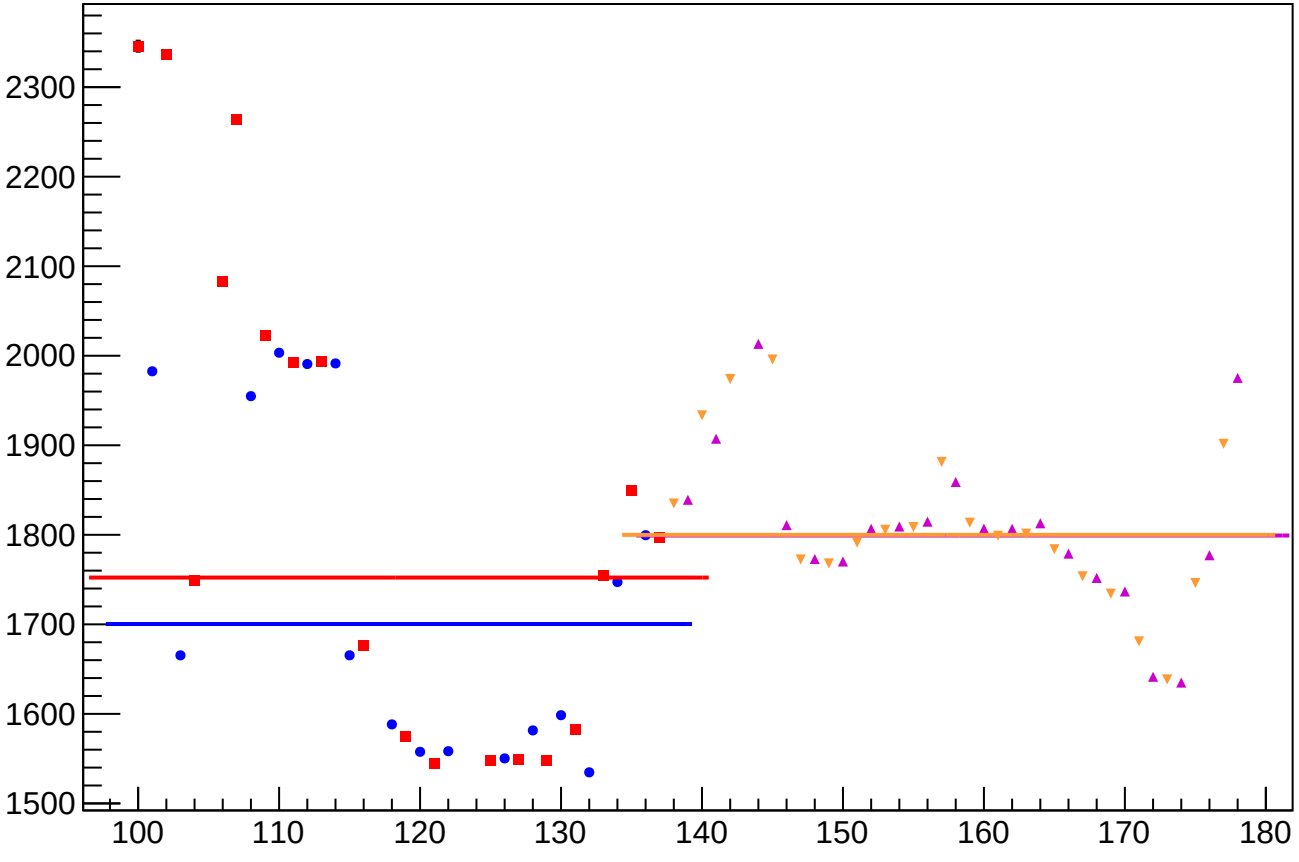
Right: 1735.334+/-458.483 χ^2/NDF: 27.8/33

In: 2160.768+/-365.067 χ^2/NDF:36.0/35

Out: 976.424+/-373.451 χ^2/NDF:48.4/37

All: 1582.040+/-261.055 χ^2/NDF: 89.6/73

dit_asym_atl_avg_rms vs Slug, Sign Corrected



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: 1799.210+/-0.315 χ^2/NDF:78463.5/19

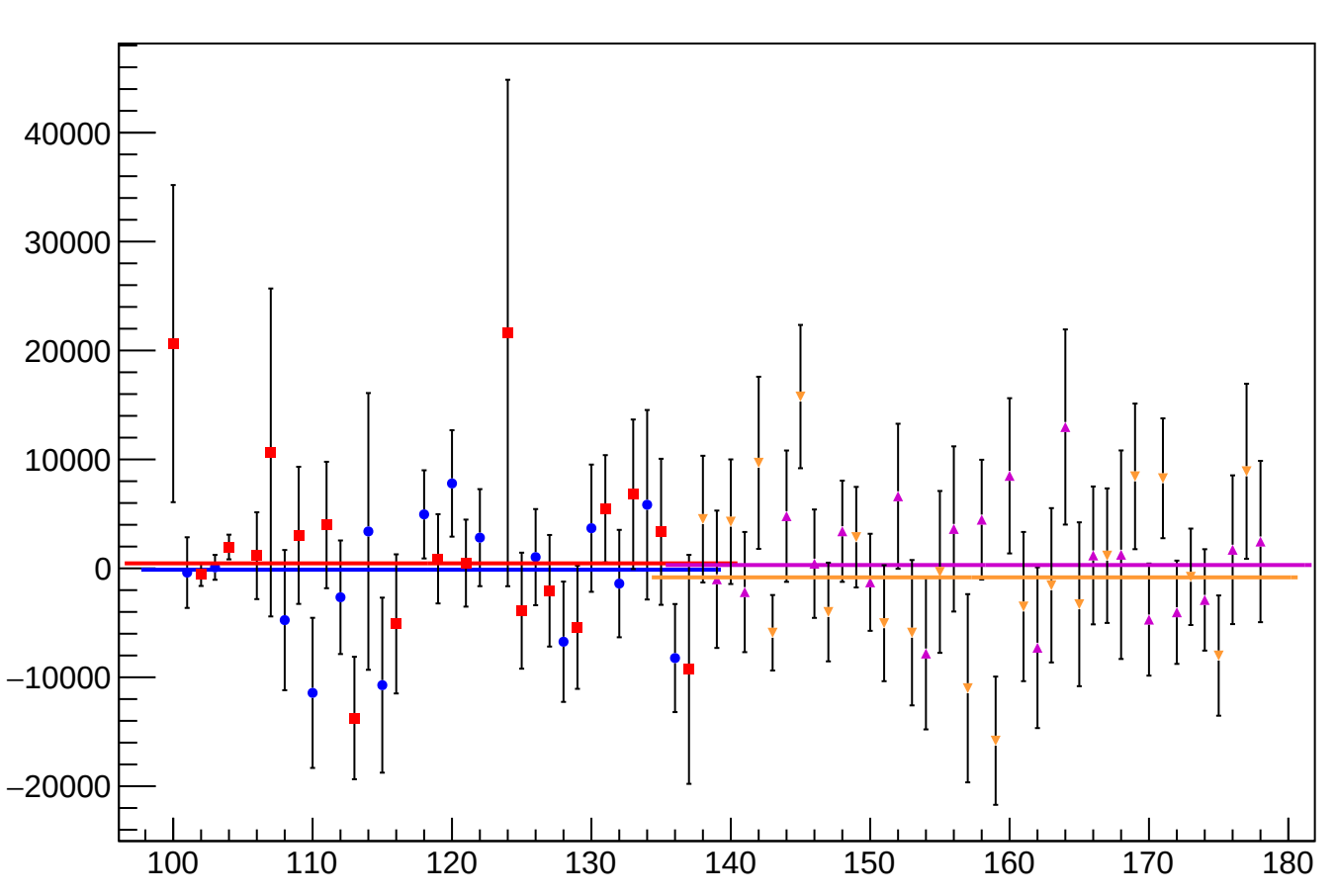
Left: 1799.576+/-0.225 χ^2/NDF: 146631.9/39

Right: 1725.373+/-0.324 χ^2/NDF: 389780.4/33

In: 1766.684+/-0.258 χ^2/NDF:246257.4/35

Out: 1784.678+/-0.264 χ^2/NDF:323235.0/37

All: 1775.483+/-0.185 χ^2/NDF: 571868.5/73



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: 305.209+/-1323.524 χ^2/NDF:11.2/19

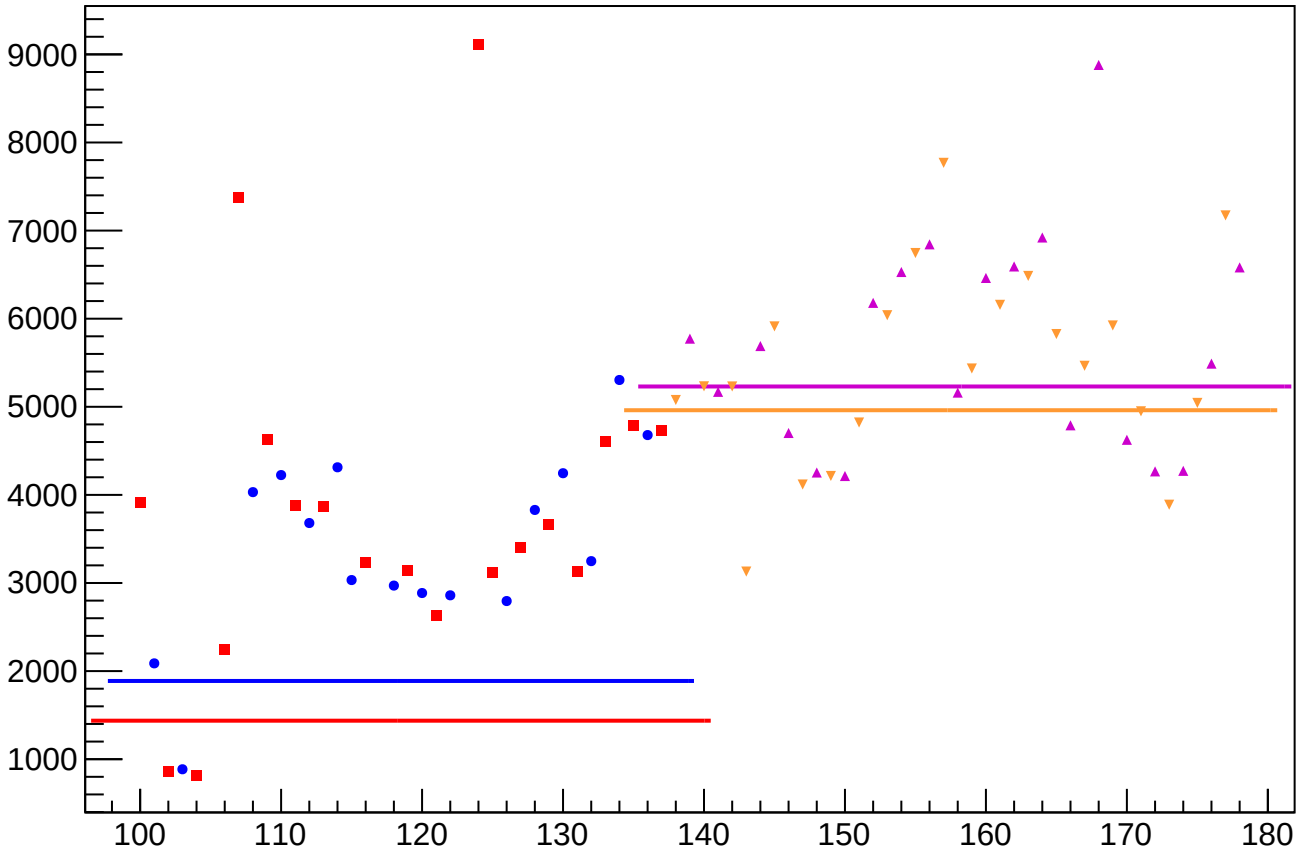
Left: -290.728+/-910.144 χ^2/NDF: 41.9/40

Right: 237.213+/-534.800 χ^2/NDF: 33.9/34

In: 3.985+/-725.624 χ^2/NDF:26.3/35

Out: 167.899+/-597.152 χ^2/NDF:49.7/39

All: 101.713+/-461.091 χ^2/NDF: 76.0/75



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: 5230.472+/-0.936 χ^2/NDF:1206997.1/19

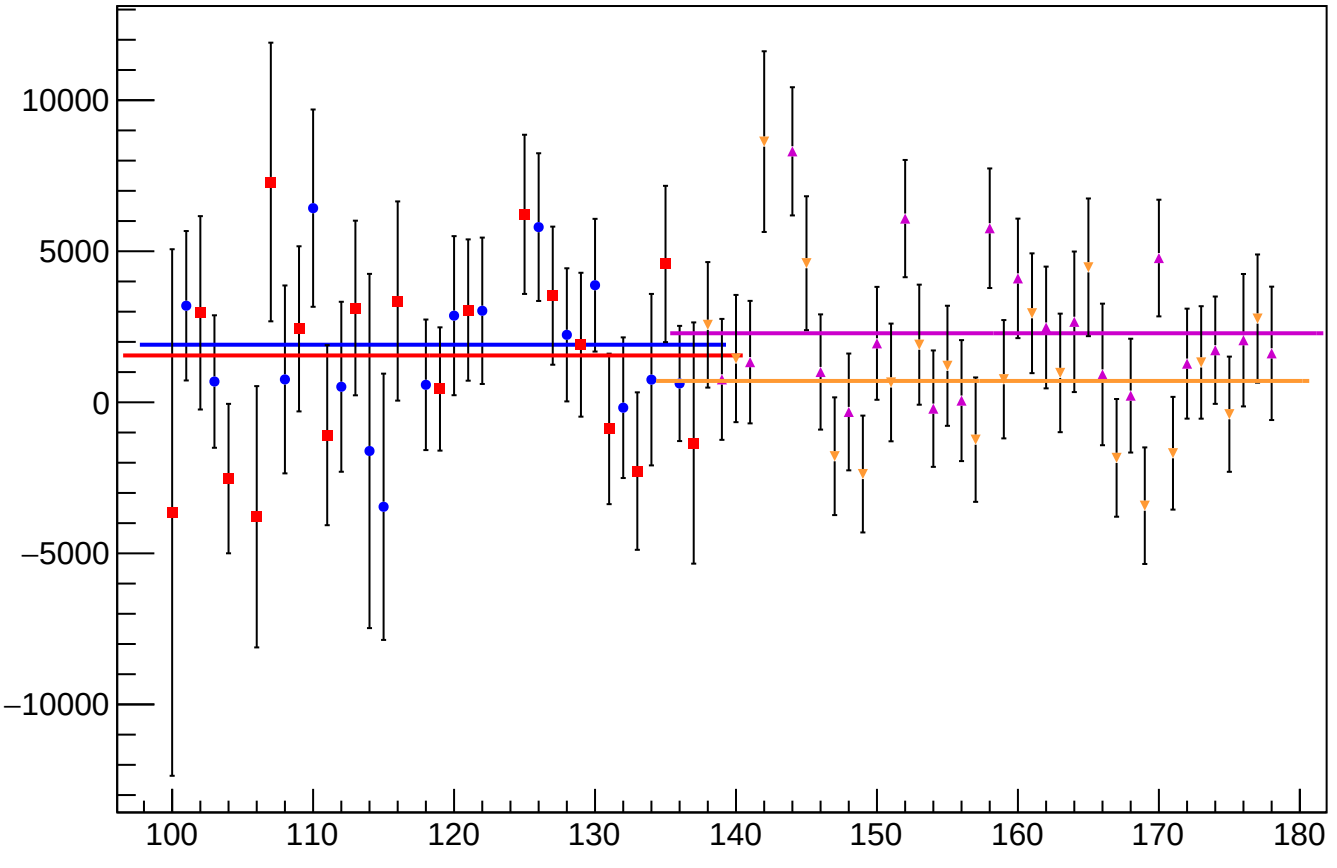
Left: 5088.431+/-0.644 χ^2/NDF: 2878036.1/40

Right: 1608.413+/-0.378 χ^2/NDF: 10724797.8/34

In: 2892.677+/-0.513 χ^2/NDF:14554244.7/35

Out: 2236.716+/-0.422 χ^2/NDF:19809253.9/39

All: 2501.583+/-0.326 χ^2/NDF: 35337961.5/7



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: 2285.604+/-445.679 χ^2/NDF:25.6/19

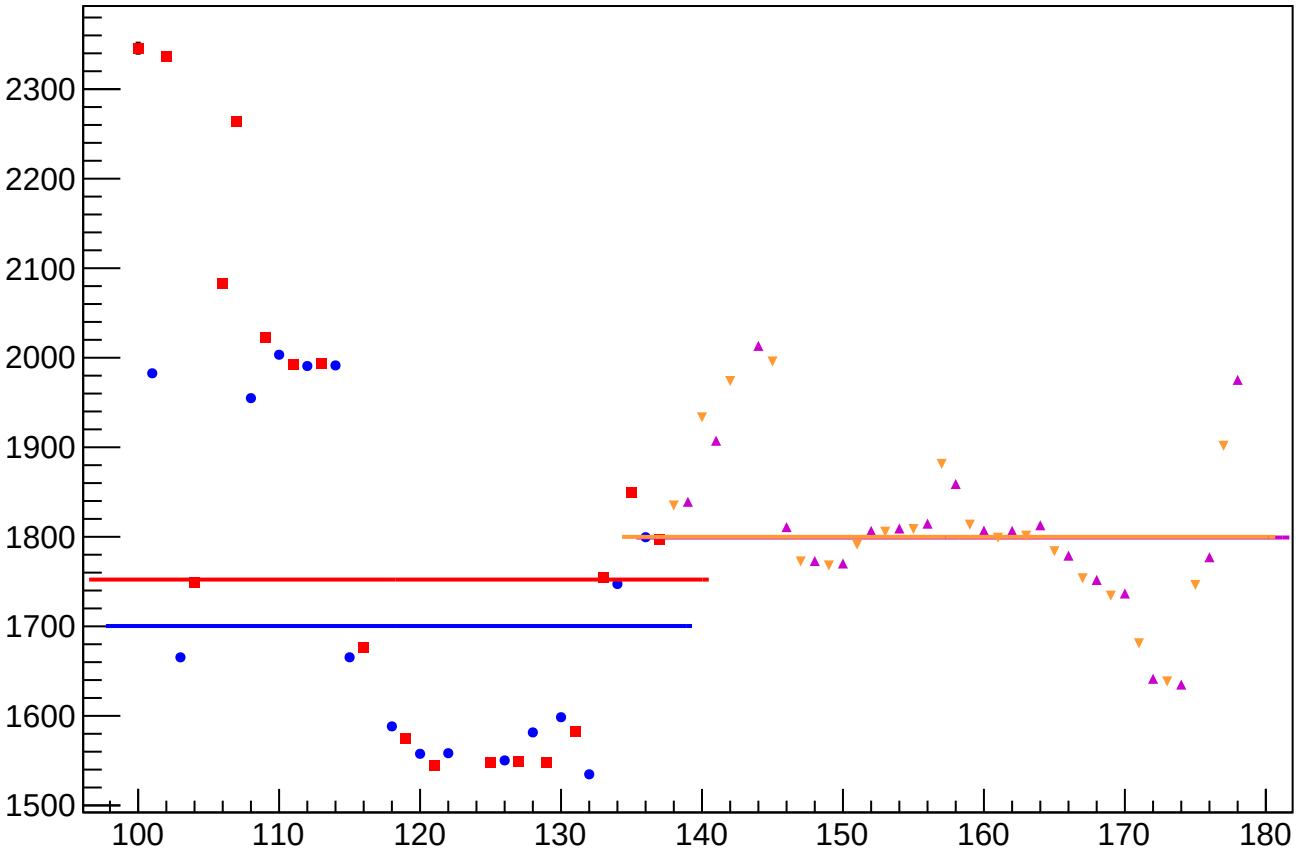
Left: 1508.499+/-317.559 χ^2/NDF: 61.6/39

Right: 1735.331+/-458.483 χ^2/NDF: 27.8/33

In: 2160.768+/-365.067 χ^2/NDF:36.0/35

Out: 976.421+/-373.451 χ^2/NDF:48.4/37

All: 1582.039+/-261.055 χ^2/NDF: 89.6/73



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: 1799.211+/-0.315 χ^2/NDF:78466.7/19

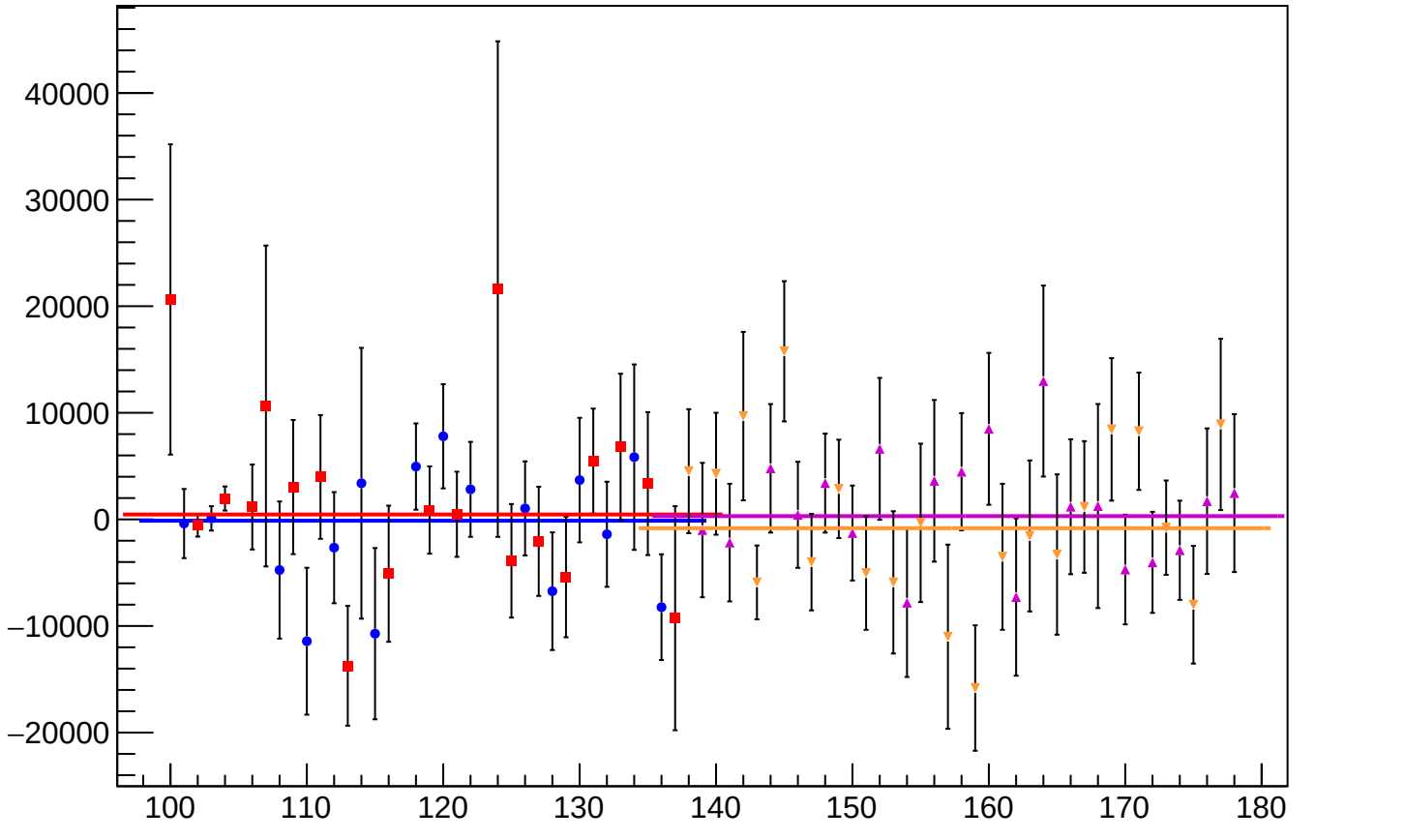
Left: 1799.577+/-0.225 χ^2/NDF: 146638.1/39

Right: 1725.372+/-0.324 χ^2/NDF: 389780.1/33

In: 1766.685+/-0.258 χ^2/NDF:246261.7/35

Out: 1784.679+/-0.264 χ^2/NDF:323237.9/37

All: 1775.484+/-0.185 χ^2/NDF: 571875.7/73



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: -825.362+/-1253.598 χ^2/NDF:30.3/20

Right Out: 459.430+/-679.152 χ^2/NDF: 18.5/18

Left In: 305.210+/-1323.526 χ^2/NDF:11.2/19

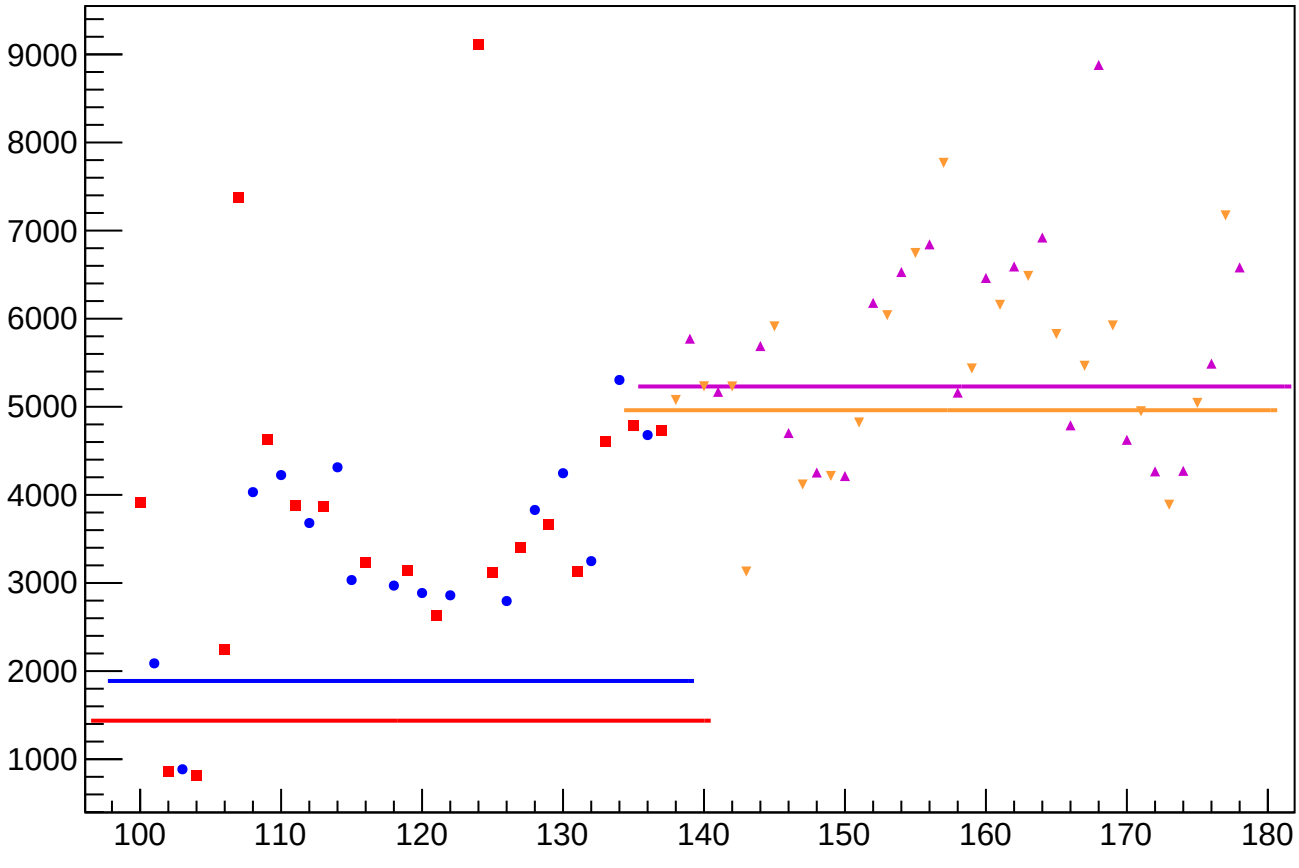
Left: -290.730+/-910.145 χ^2/NDF: 41.9/40

Right: 237.214+/-534.797 χ^2/NDF: 33.9/34

In: 3.987+/-725.621 χ^2/NDF:26.3/35

Out: 167.901+/-597.149 χ^2/NDF:49.7/39

All: 101.715+/-461.089 χ^2/NDF: 76.0/75



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: 5230.481+/-0.936 χ^2/NDF:1206998.0/19

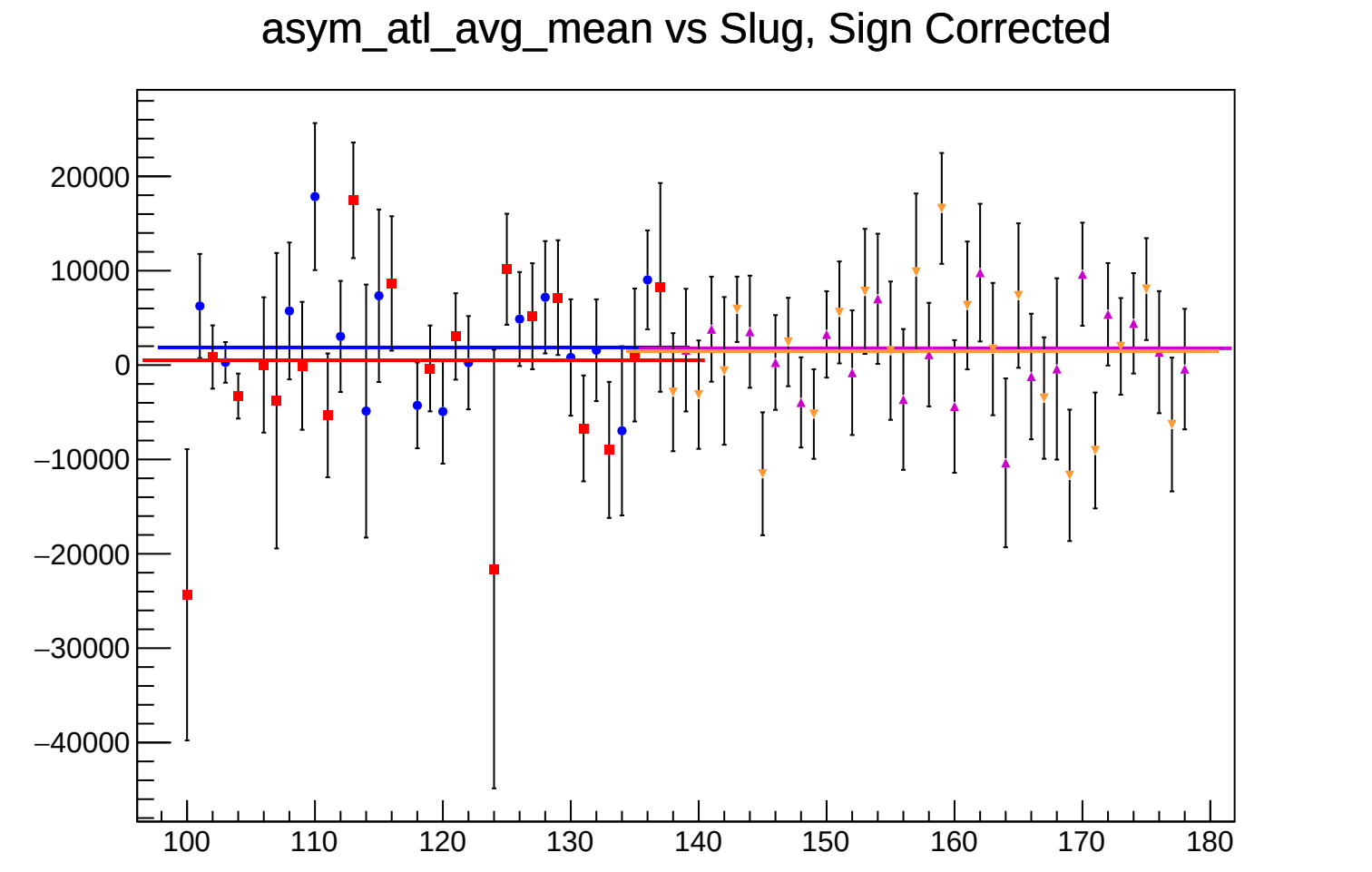
Left: 5088.439+/-0.644 χ^2/NDF: 2878043.3/40

Right: 1608.398+/-0.378 χ^2/NDF: 10724869.8/34

In: 2892.656+/-0.513 χ^2/NDF:14554431.1/35

Out: 2236.696+/-0.422 χ^2/NDF:19809450.8/39

All: 2501.563+/-0.326 χ^2/NDF: 35338352.3/



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 1479.645+/-1279.375 χ^2/NDF:28.9/20

Right Out: 512.528+/-1241.513 χ^2/NDF: 24.7/18

Left In: 1777.366+/-1352.538 χ^2/NDF:10.1/19

Left: 1620.236+/-929.443 χ^2/NDF: 39.0/40

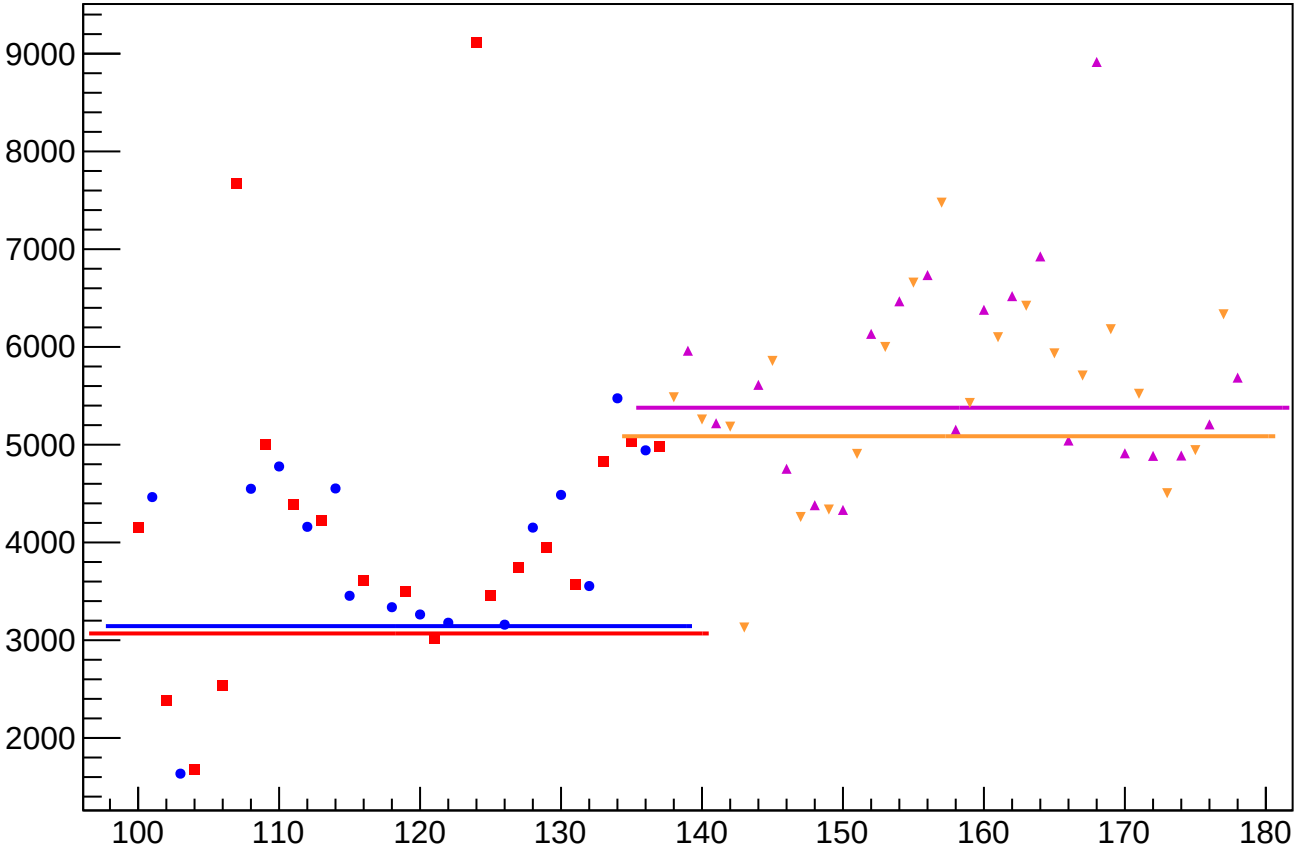
Right: 1180.003+/-884.065 χ^2/NDF: 39.1/34

In: 1825.178+/-921.616 χ^2/NDF:23.9/35

Out: 981.565+/-890.967 χ^2/NDF:53.8/39

All: 1389.111+/-640.570 χ^2/NDF: 78.2/75

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: 5378.139+/-0.956 χ^2/NDF:868102.2/19

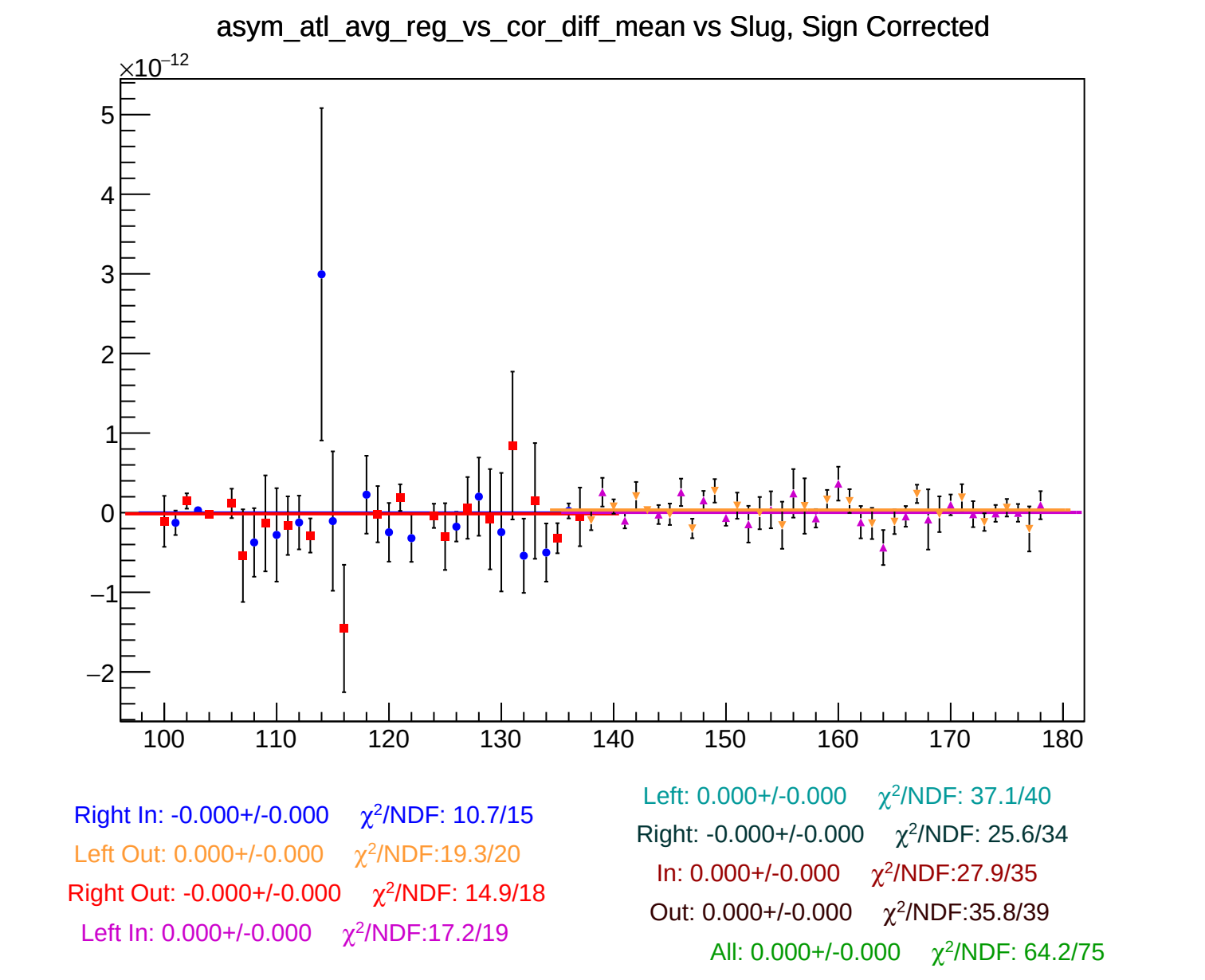
Left: 5224.200+/-0.657 χ^2/NDF: 2318683.2/40

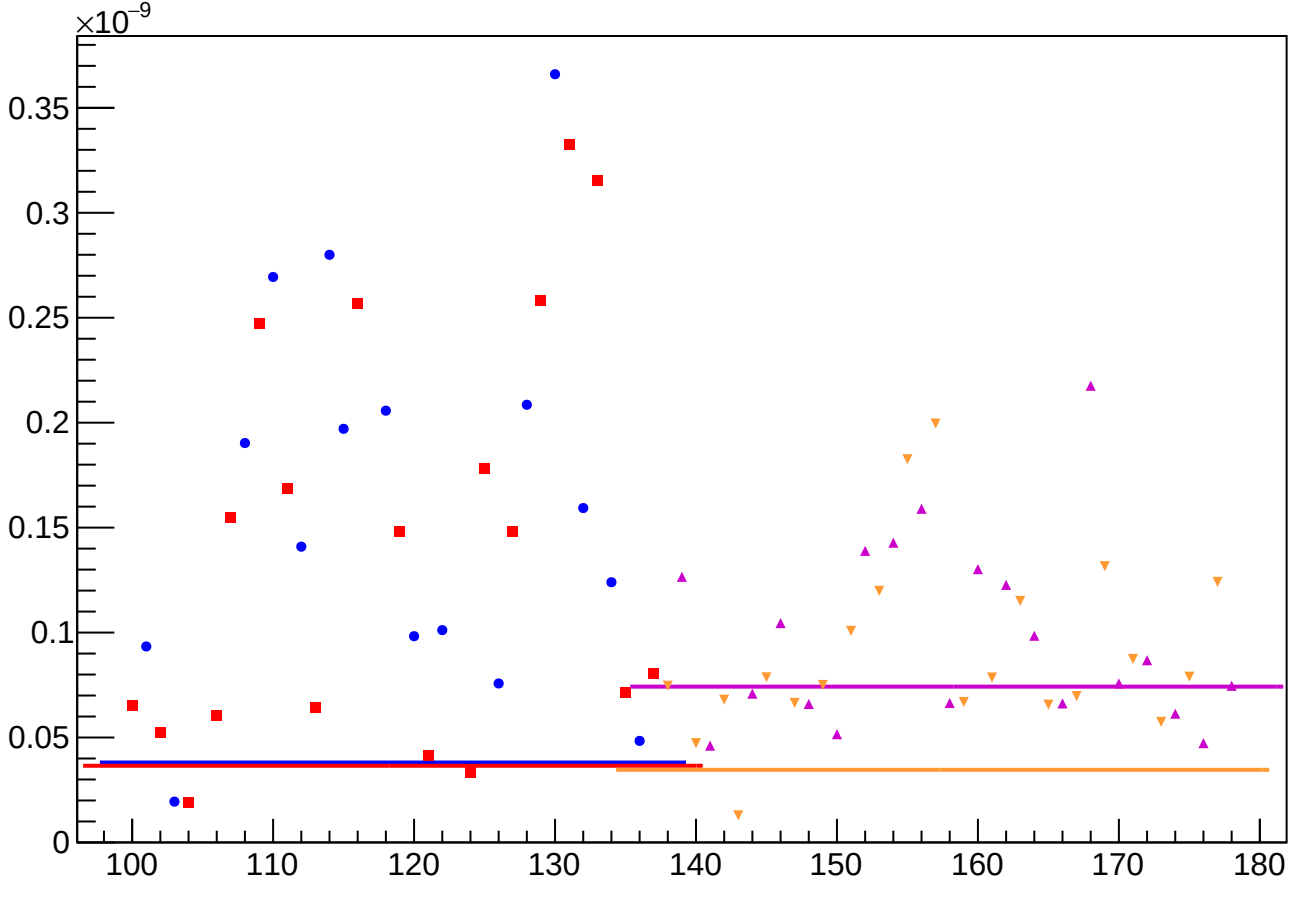
Right: 3105.498+/-0.620 χ^2/NDF: 3768440.9/34

In: 4181.388+/-0.652 χ^2/NDF:5674175.4/35

Out: 4031.672+/-0.625 χ^2/NDF:5883216.5/39

All: 4103.390+/-0.451 χ^2/NDF: 11584888.6/7


asym_atl_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
5
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 10.7/15
Left Out: 0.000+/-0.000 χ²/NDF:19.3/20
Right Out: -0.000+/-0.000 χ²/NDF: 14.9/18
Left In: 0.000+/-0.000 χ²/NDF:17.2/19
Left: 0.000+/-0.000 χ²/NDF: 37.1/40
Right: -0.000+/-0.000 χ²/NDF: 25.6/34
In: 0.000+/-0.000 χ²/NDF:27.9/35
Out: 0.000+/-0.000 χ²/NDF:35.8/39
All: 0.000+/-0.000 χ²/NDF: 64.2/75



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:1741338.2/19

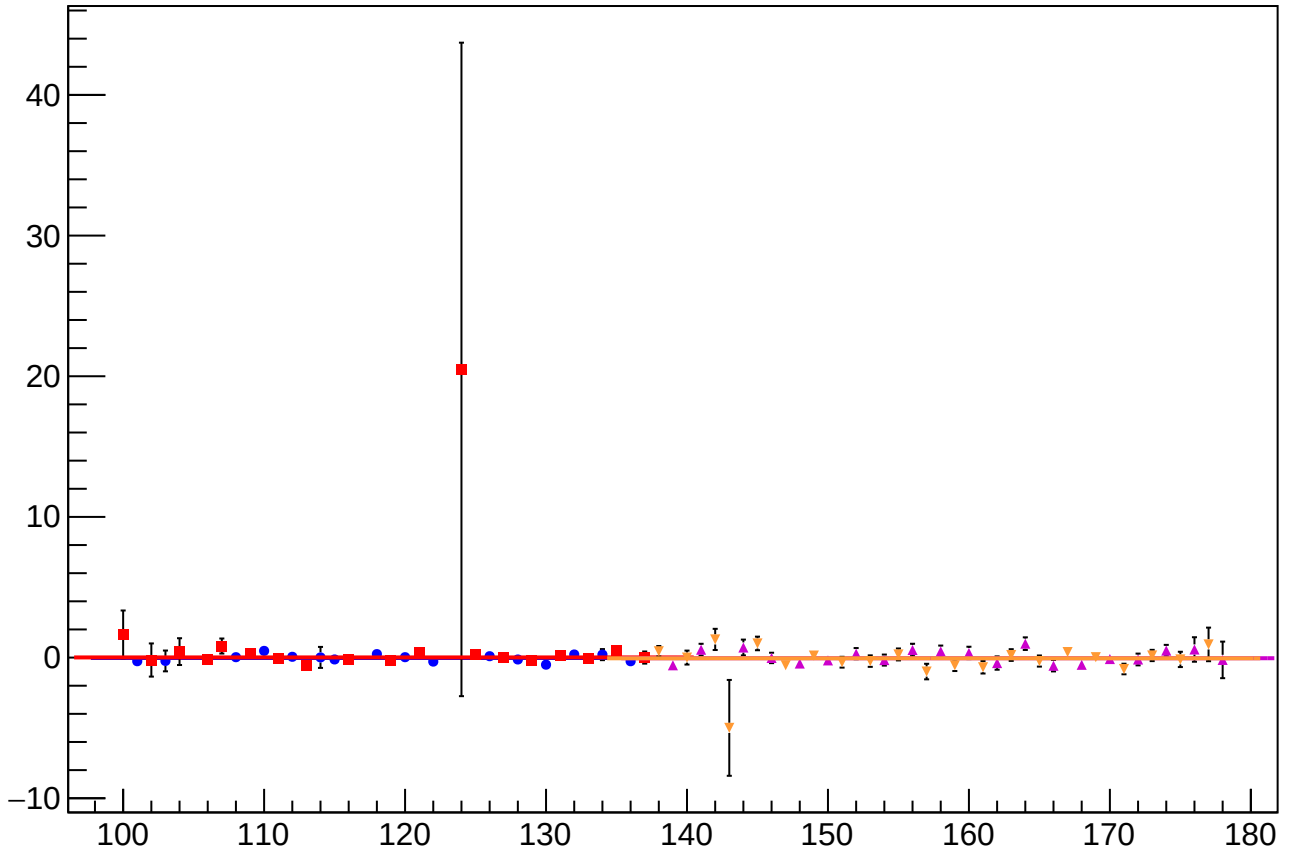
Left: 0.000+/-0.000 χ^2/NDF: 10278010.2/40

Right: 0.000+/-0.000 χ^2/NDF: 5574117.1/34

In: 0.000+/-0.000 χ^2/NDF:5826108.1/35

Out: 0.000+/-0.000 χ^2/NDF:8963983.5/39

All: 0.000+/-0.000 χ^2/NDF: 15991842.3/75



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: -0.046+/-0.084 χ^2/NDF:26.3/19

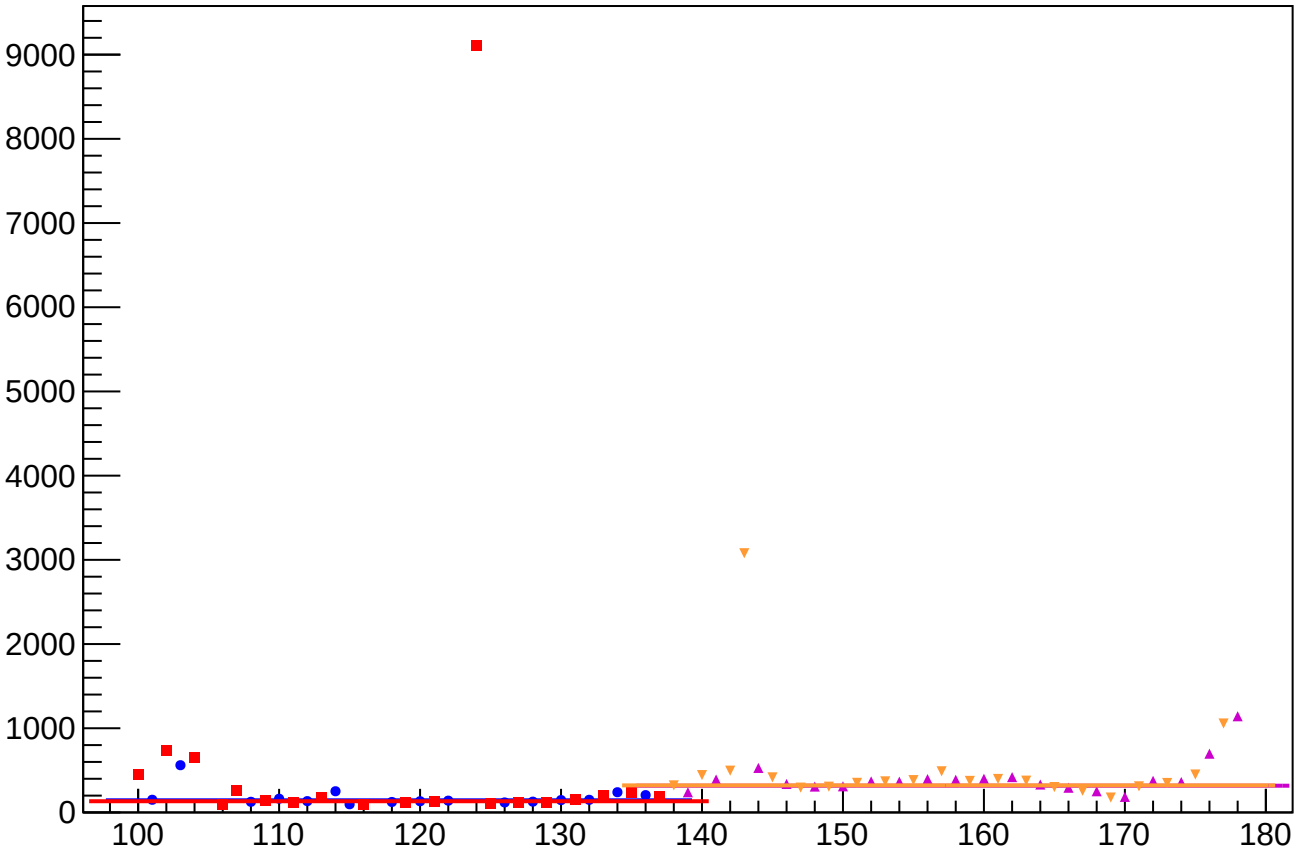
Left: -0.048+/-0.060 χ^2/NDF: 56.5/40

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.034+/-0.048 χ^2/NDF:43.5/35

Out: -0.008+/-0.047 χ^2/NDF:52.4/39

All: -0.021+/-0.034 χ^2/NDF: 96.1/75



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: 317.601+/-0.059 χ^2/NDF:3039934.4/19

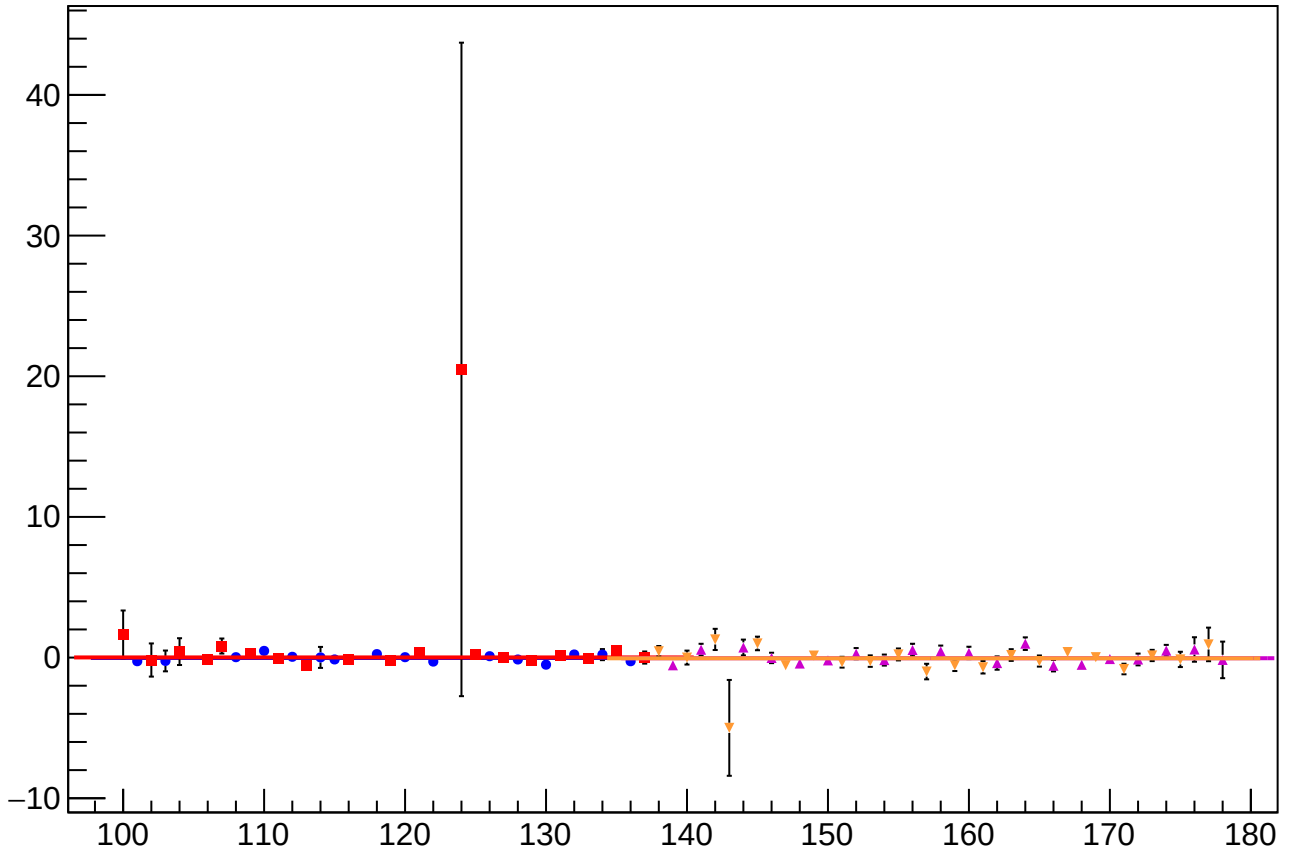
Left: 319.511+/-0.043 χ^2/NDF: 7107330.5/40

Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 199.977+/-0.034 χ^2/NDF:9940881.1/35

Out: 189.922+/-0.033 χ^2/NDF:12967148.6/39

All: 194.908+/-0.024 χ^2/NDF: 22952950.5/75



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: -0.046+/-0.084 χ^2/NDF:26.3/19

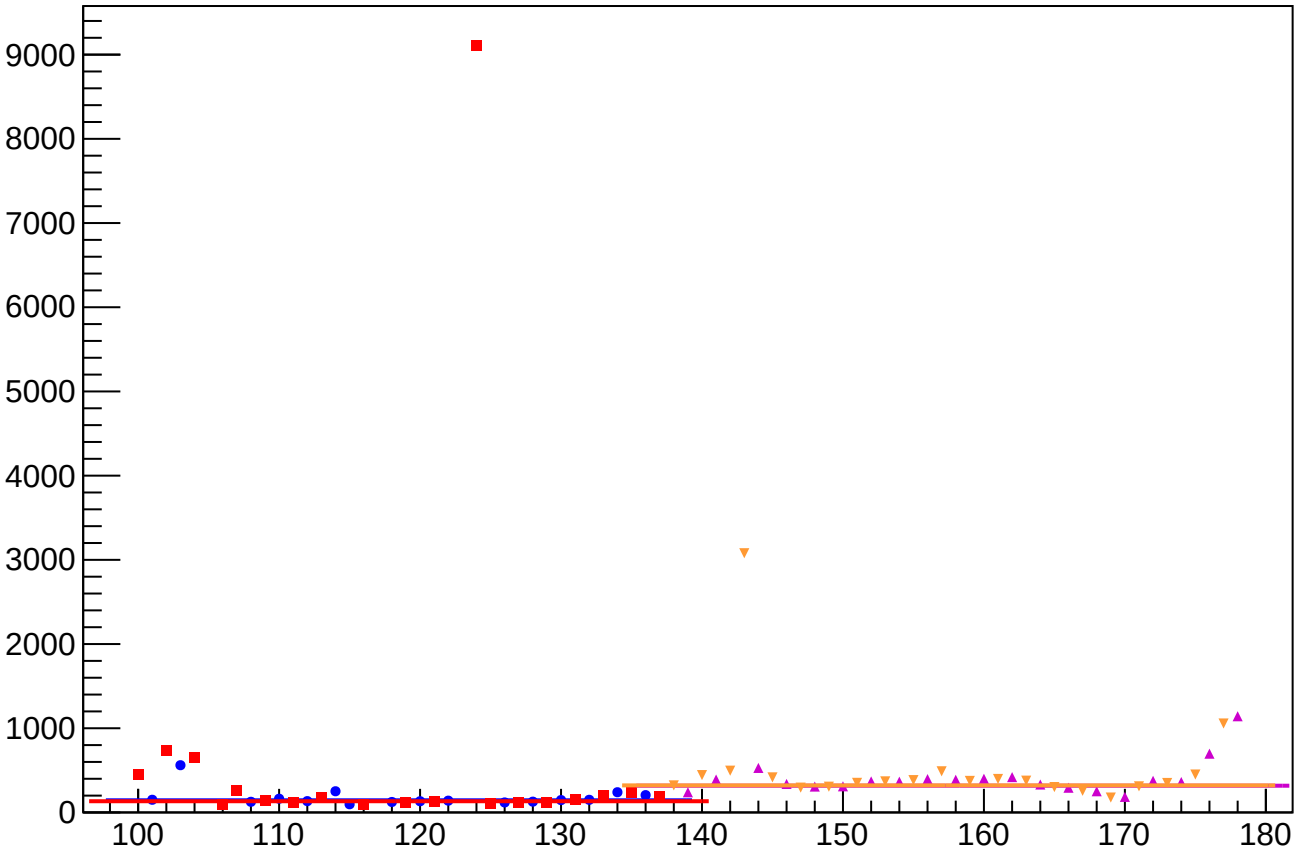
Left: -0.048+/-0.060 χ^2/NDF: 56.5/40

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.034+/-0.048 χ^2/NDF:43.5/35

Out: -0.008+/-0.047 χ^2/NDF:52.4/39

All: -0.021+/-0.034 χ^2/NDF: 96.1/75



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: 317.601+/-0.059 χ^2/NDF:3039934.4/19

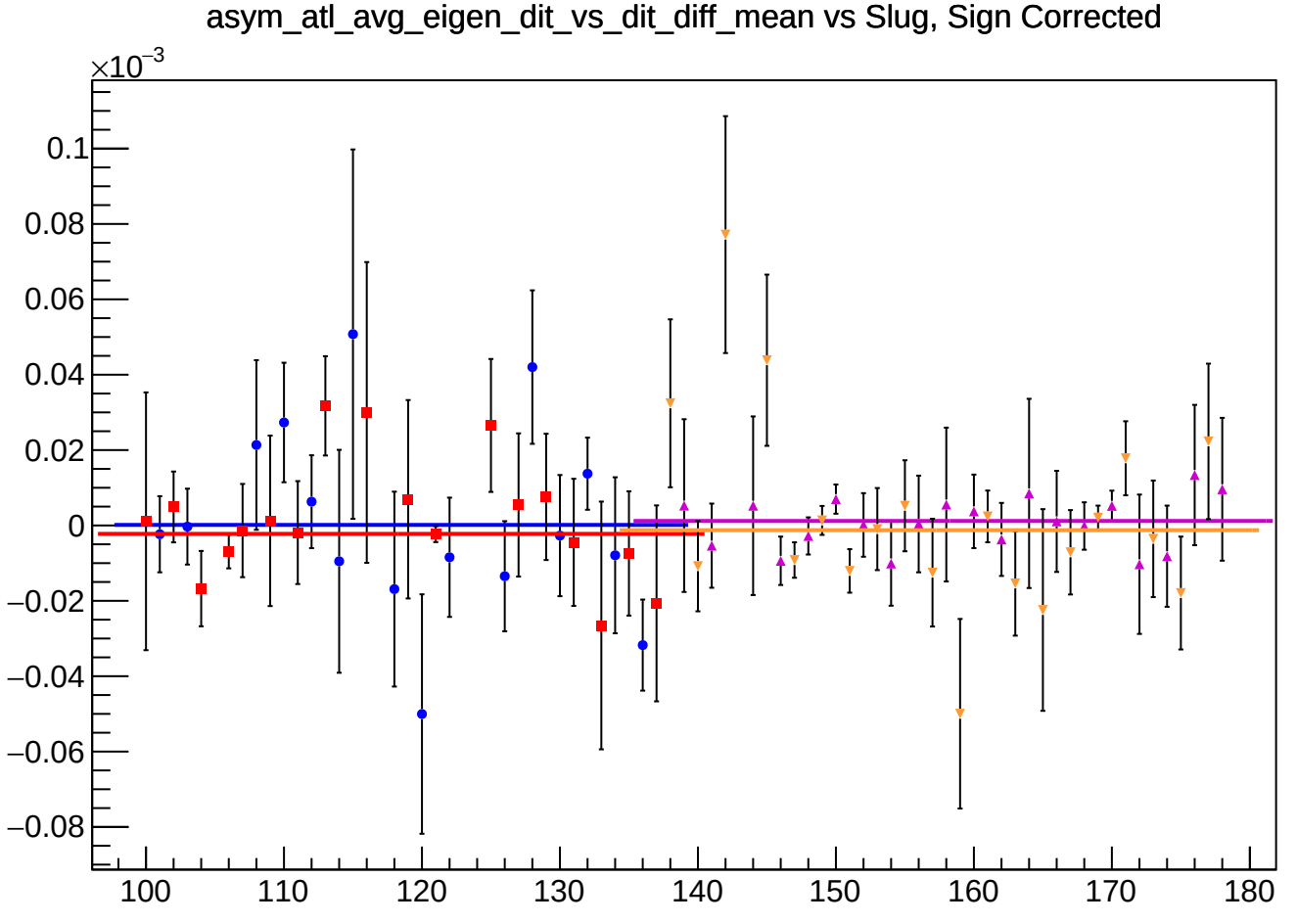
Left: 319.511+/-0.043 χ^2/NDF: 7107330.5/40

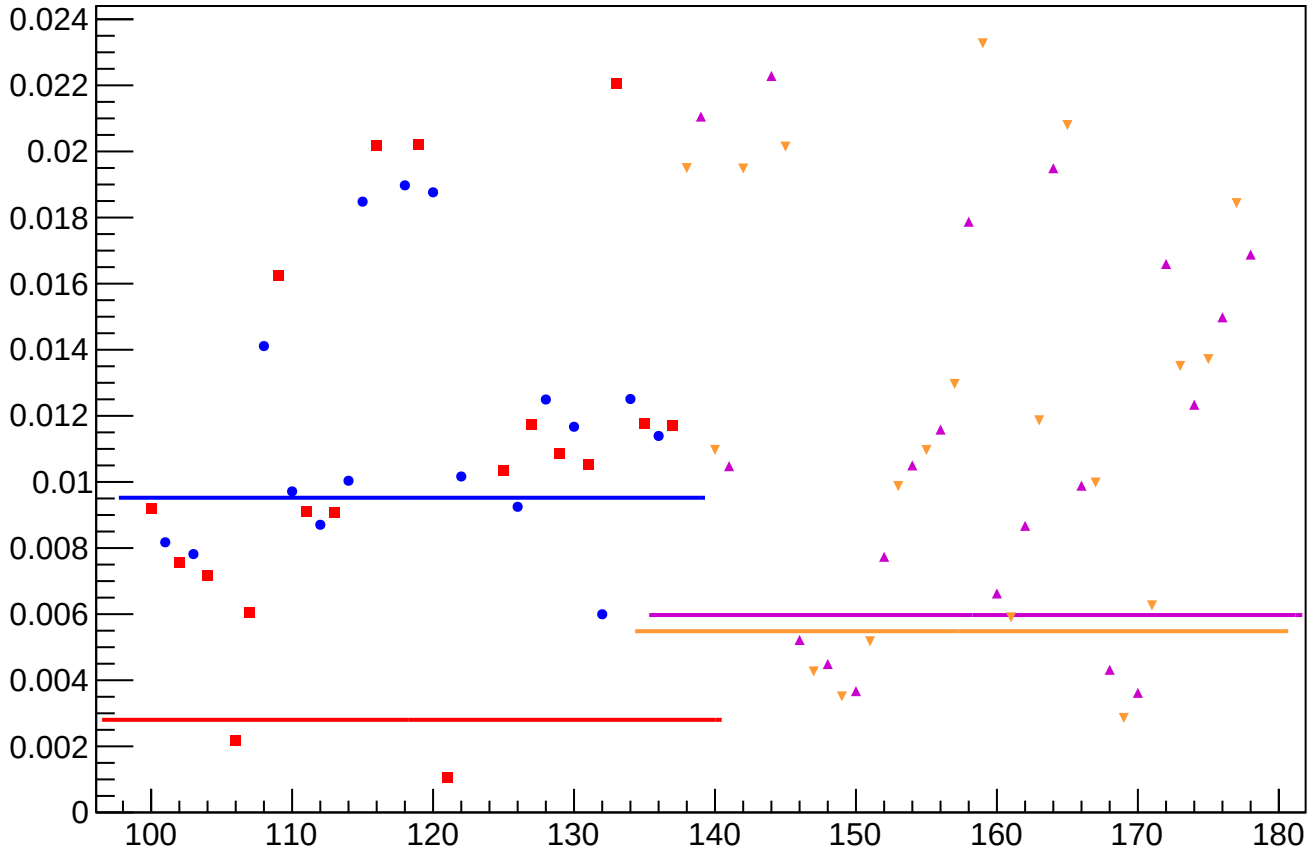
Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 199.977+/-0.034 χ^2/NDF:9940881.1/35

Out: 189.922+/-0.033 χ^2/NDF:12967148.6/39

All: 194.908+/-0.024 χ^2/NDF: 22952950.5/75


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:10.0/19
Left: -0.000+/-0.000 χ²/NDF: 45.2/39
Right: -0.000+/-0.000 χ²/NDF: 38.7/33
In: 0.000+/-0.000 χ²/NDF:32.9/35
Out: -0.000+/-0.000 χ²/NDF:49.9/37
All: -0.000+/-0.000 χ²/NDF: 84.6/73



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:8505968.3/19

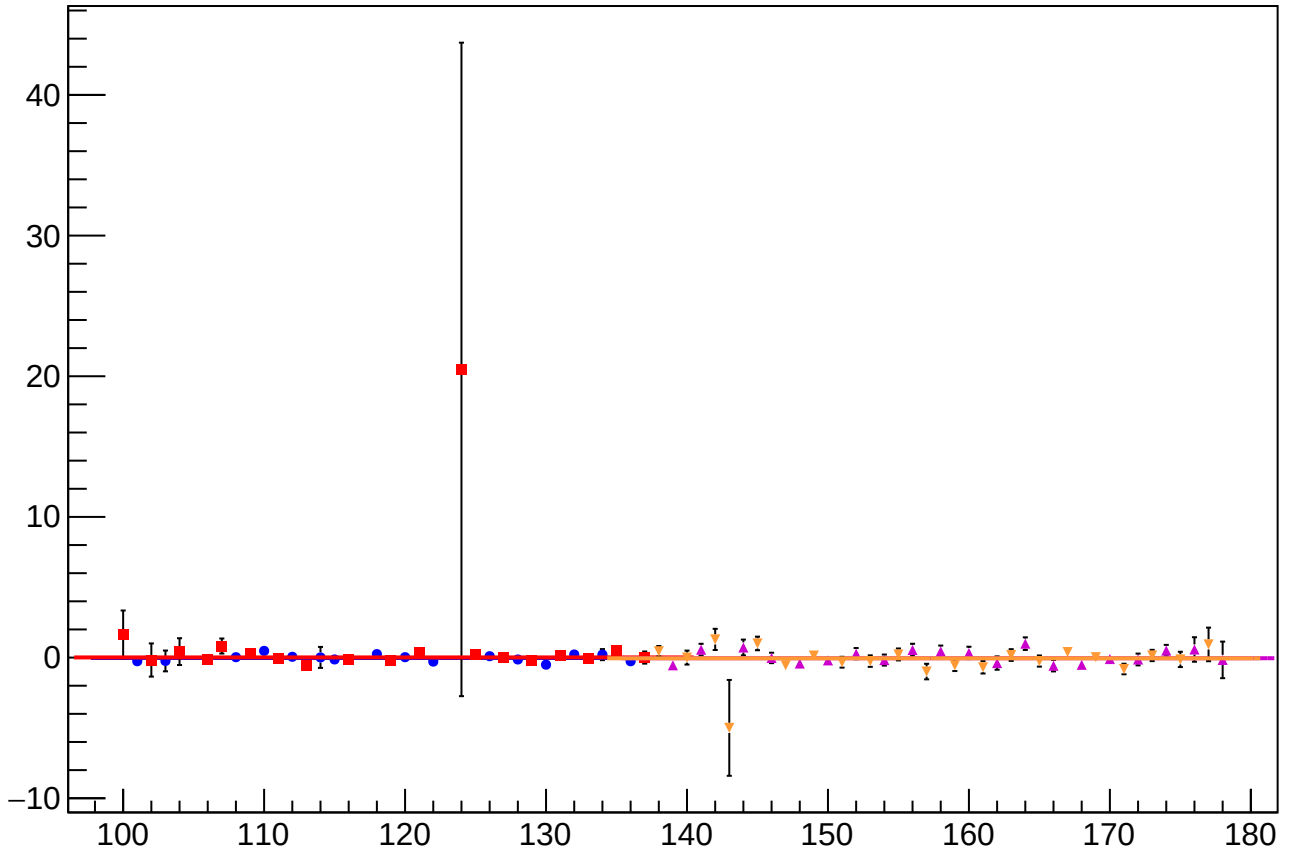
Left: 0.006+/-0.000 χ^2/NDF: 18683184.4/39

Right: 0.004+/-0.000 χ^2/NDF: 15020072.2/33

In: 0.007+/-0.000 χ^2/NDF:11093869.3/35

Out: 0.004+/-0.000 χ^2/NDF:21079095.6/37

All: 0.005+/-0.000 χ^2/NDF: 35217616.1/73



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: -0.046+/-0.084 χ^2/NDF:26.3/19

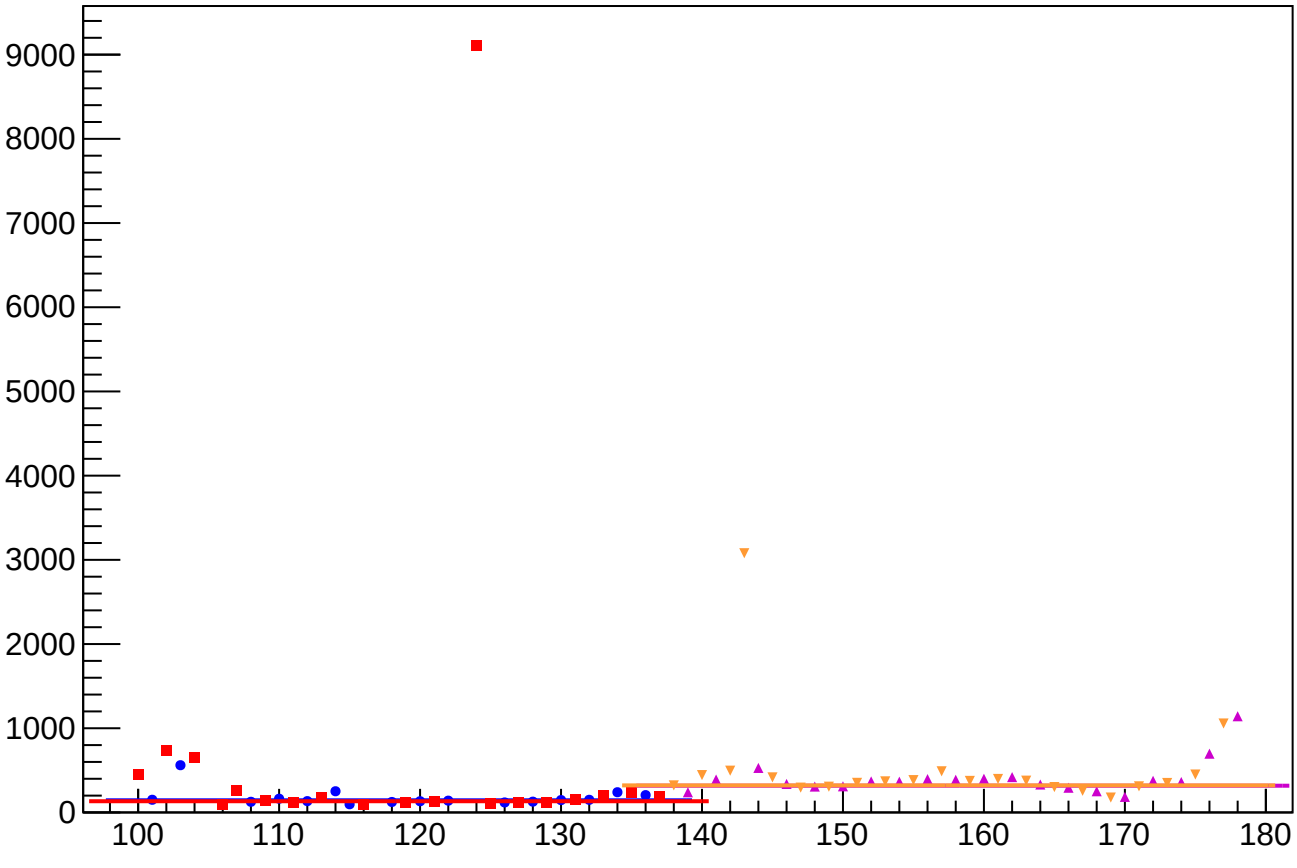
Left: -0.048+/-0.060 χ^2/NDF: 56.5/40

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.034+/-0.048 χ^2/NDF:43.5/35

Out: -0.008+/-0.047 χ^2/NDF:52.4/39

All: -0.021+/-0.034 χ^2/NDF: 96.1/75



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: 317.604+/-0.059 χ^2/NDF:3039936.9/19

Left: 319.514+/-0.043 χ^2/NDF: 7107388.3/40

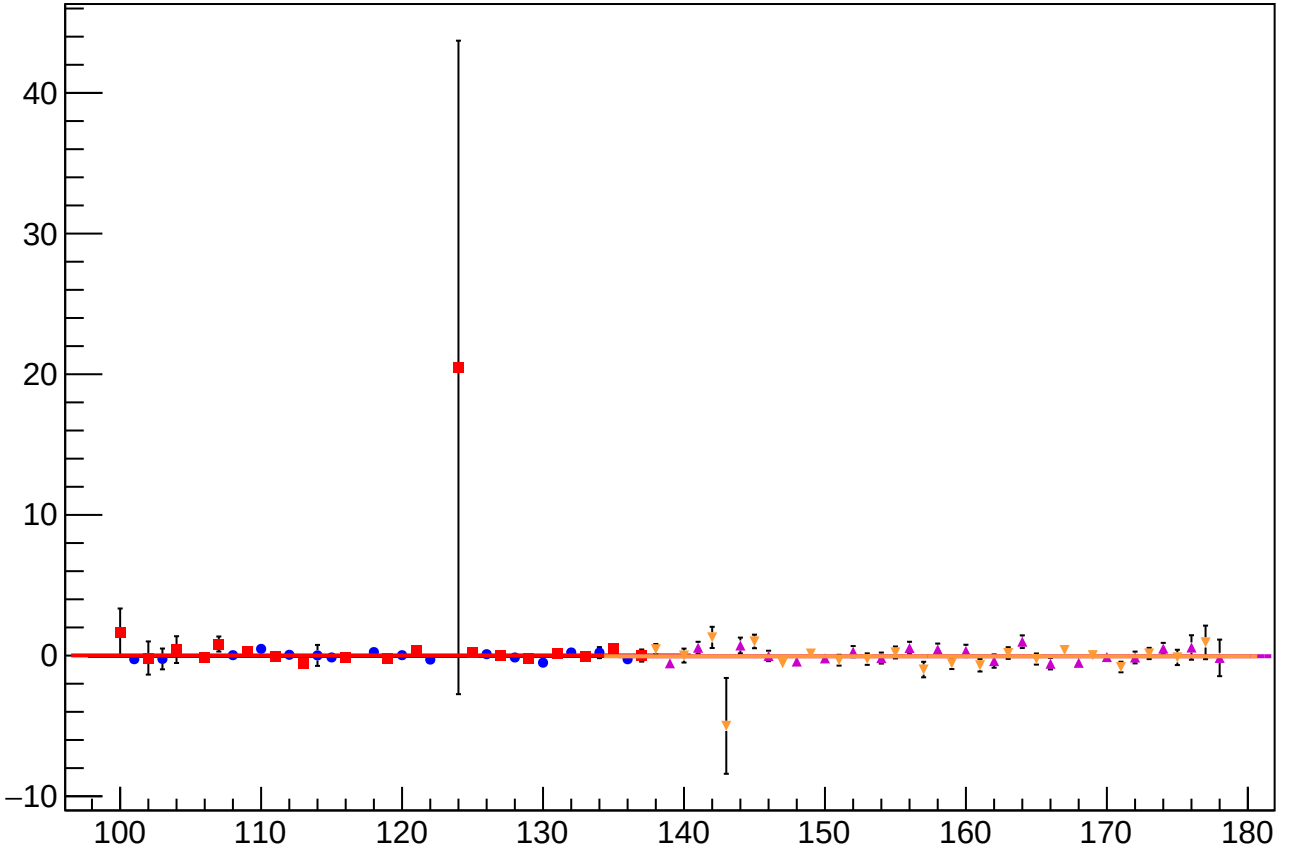
Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 199.976+/-0.034 χ^2/NDF:9941153.6/35

Out: 189.921+/-0.033 χ^2/NDF:12967311.1/39

All: 194.907+/-0.024 χ^2/NDF: 22953380.7/75

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: -0.046+/-0.084 χ^2/NDF:26.3/19

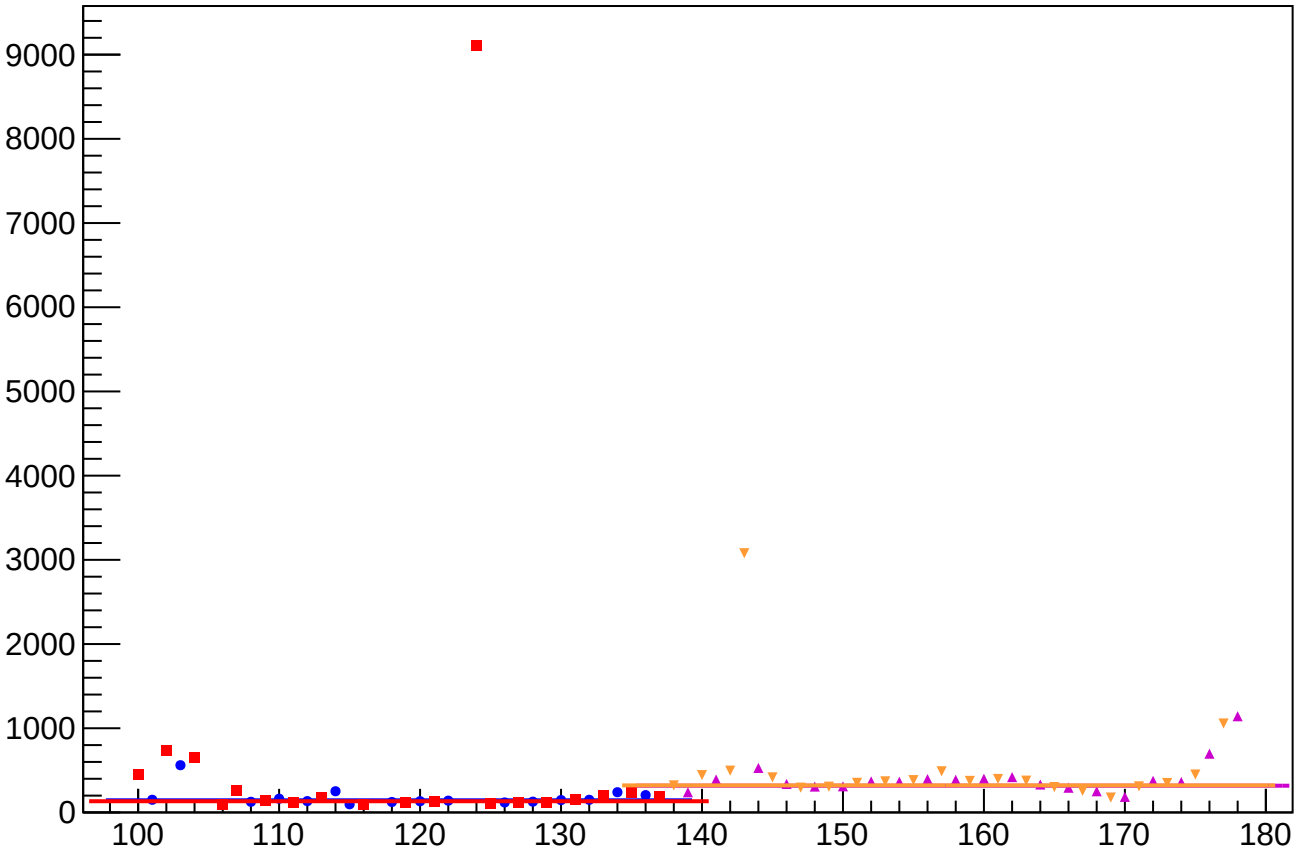
Left: -0.048+/-0.060 χ^2/NDF: 56.5/40

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.034+/-0.048 χ^2/NDF:43.5/35

Out: -0.008+/-0.047 χ^2/NDF:52.4/39

All: -0.021+/-0.034 χ^2/NDF: 96.1/75



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: 317.604+/-0.059 χ^2/NDF:3039936.9/19

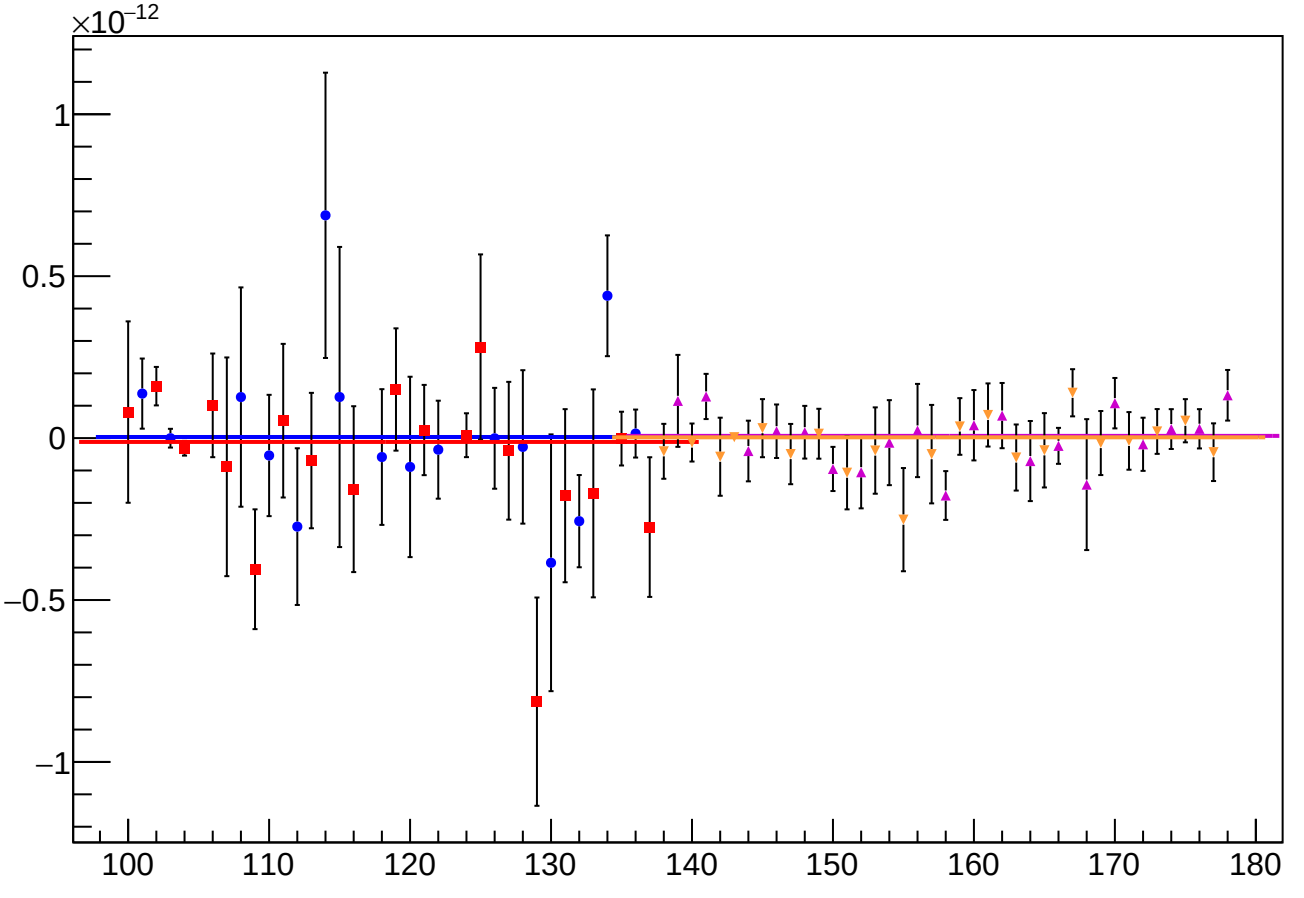
Left: 319.514+/-0.043 χ^2/NDF: 7107388.3/40

Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 199.976+/-0.034 χ^2/NDF:9941153.6/35

Out: 189.921+/-0.033 χ^2/NDF:12967311.1/39

All: 194.907+/-0.024 χ^2/NDF: 22953380.7/75



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:19.5/19

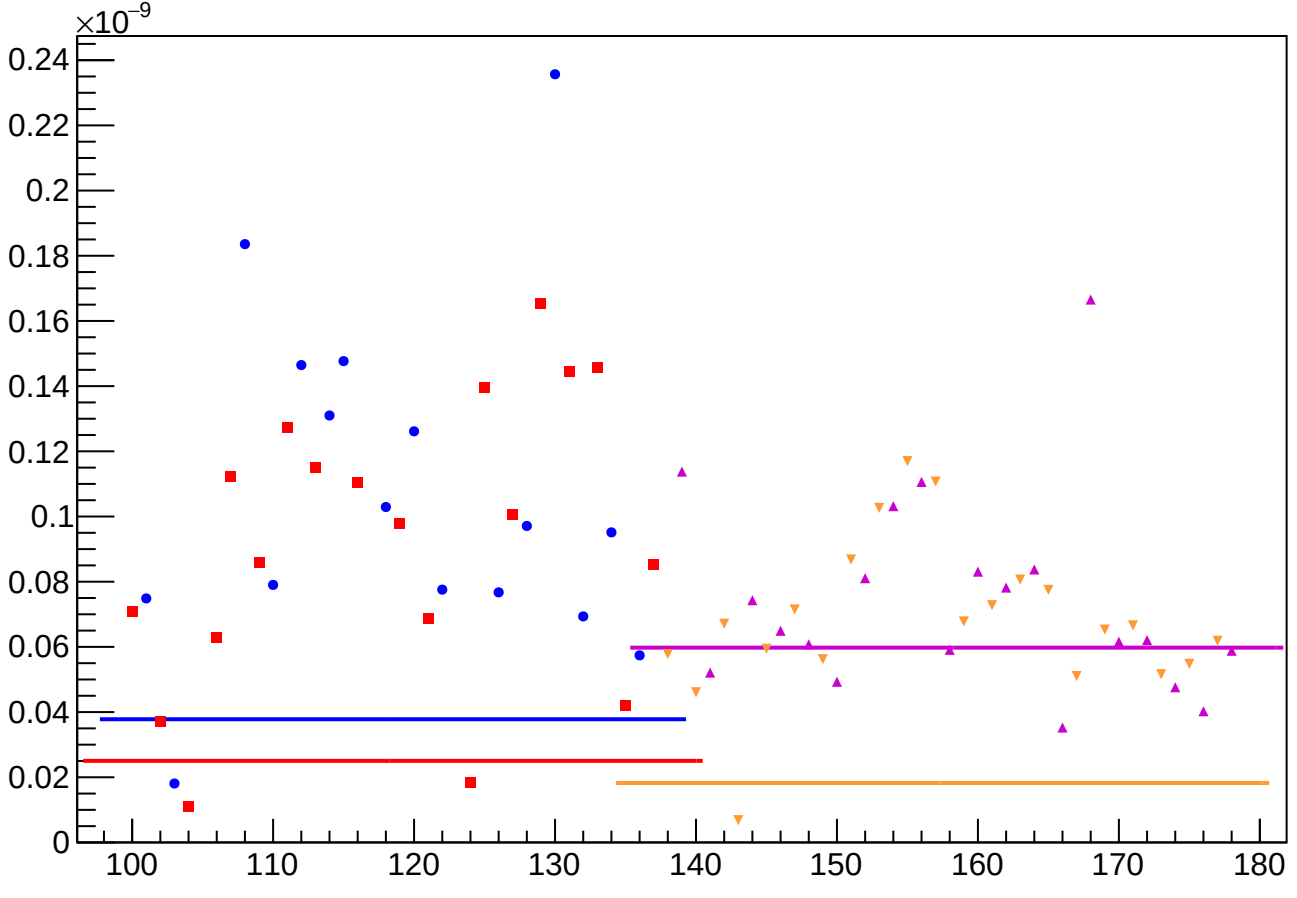
Left: 0.000+/-0.000 χ^2/NDF: 30.0/40

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: 0.000+/-0.000 χ^2/NDF:35.2/35

Out: -0.000+/-0.000 χ^2/NDF:36.0/39

All: 0.000+/-0.000 χ^2/NDF: 71.3/75



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:2429128.7/19

Left: 0.000+/-0.000 χ^2/NDF: 24384940.4/40

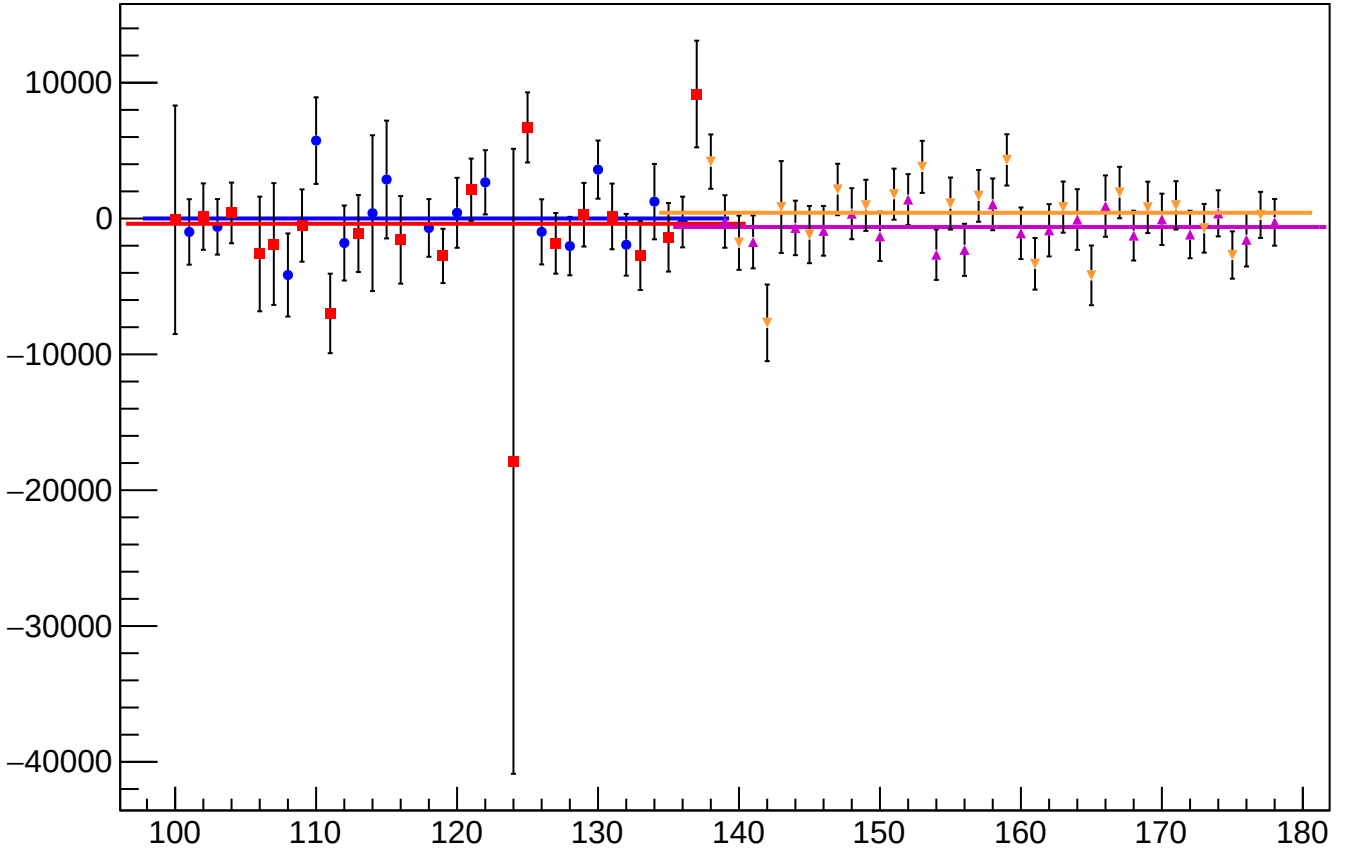
Right: 0.000+/-0.000 χ^2/NDF: 8999957.7/34

In: 0.000+/-0.000 χ^2/NDF:7418059.2/35

Out: 0.000+/-0.000 χ^2/NDF:18867773.0/39

All: 0.000+/-0.000 χ^2/NDF: 33489534.7/75

reg_asym_atl_dd_mean vs Slug, Sign Corrected



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: -621.745+/-423.281 χ^2/NDF:6.2/19

Left: -102.207+/-300.256 χ^2/NDF: 44.9/40

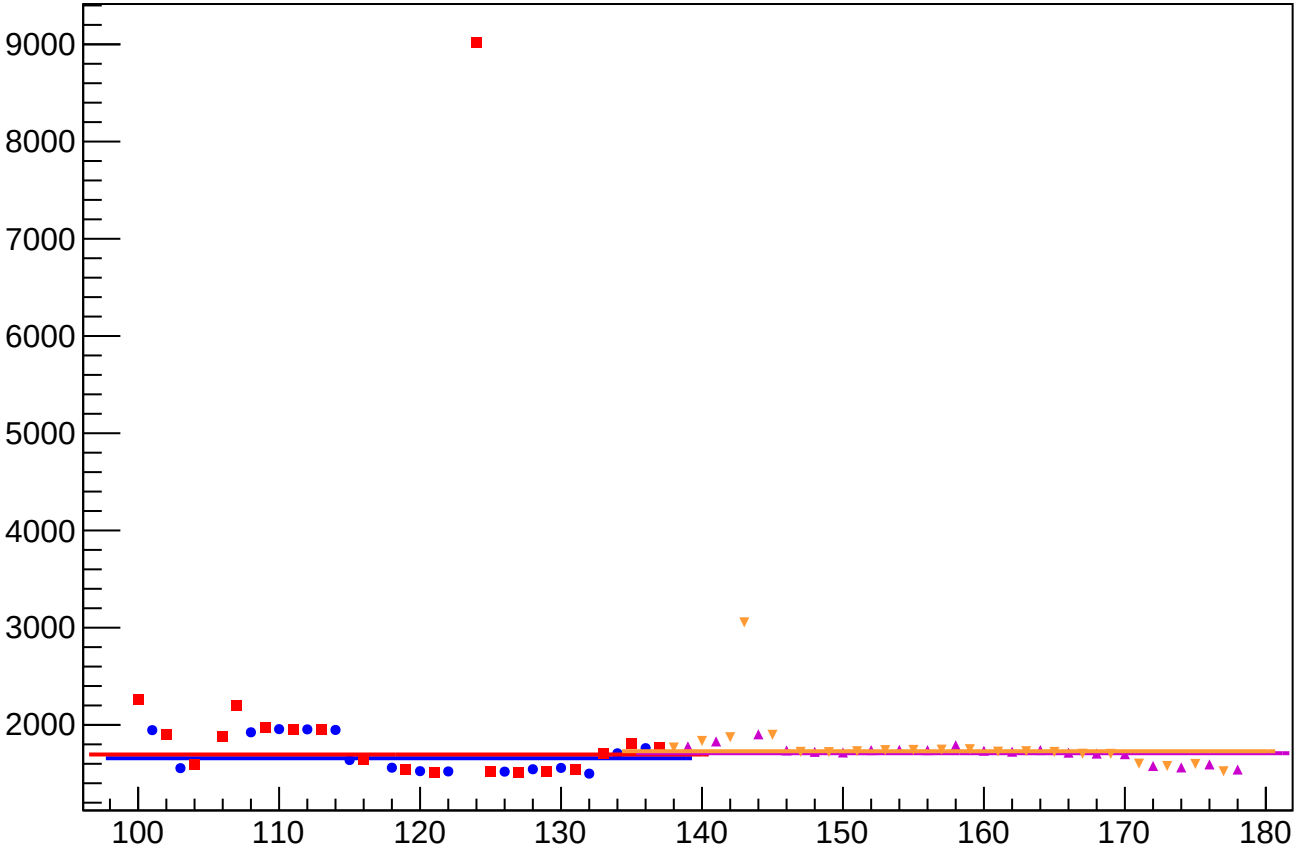
Right: -185.916+/-443.130 χ^2/NDF: 36.7/34

In: -422.651+/-349.564 χ^2/NDF:19.4/35

Out: 172.269+/-353.530 χ^2/NDF:60.8/39

All: -128.546+/-248.569 χ^2/NDF: 81.6/75

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: 1708.851+/-0.299 χ^2/NDF:88333.8/19

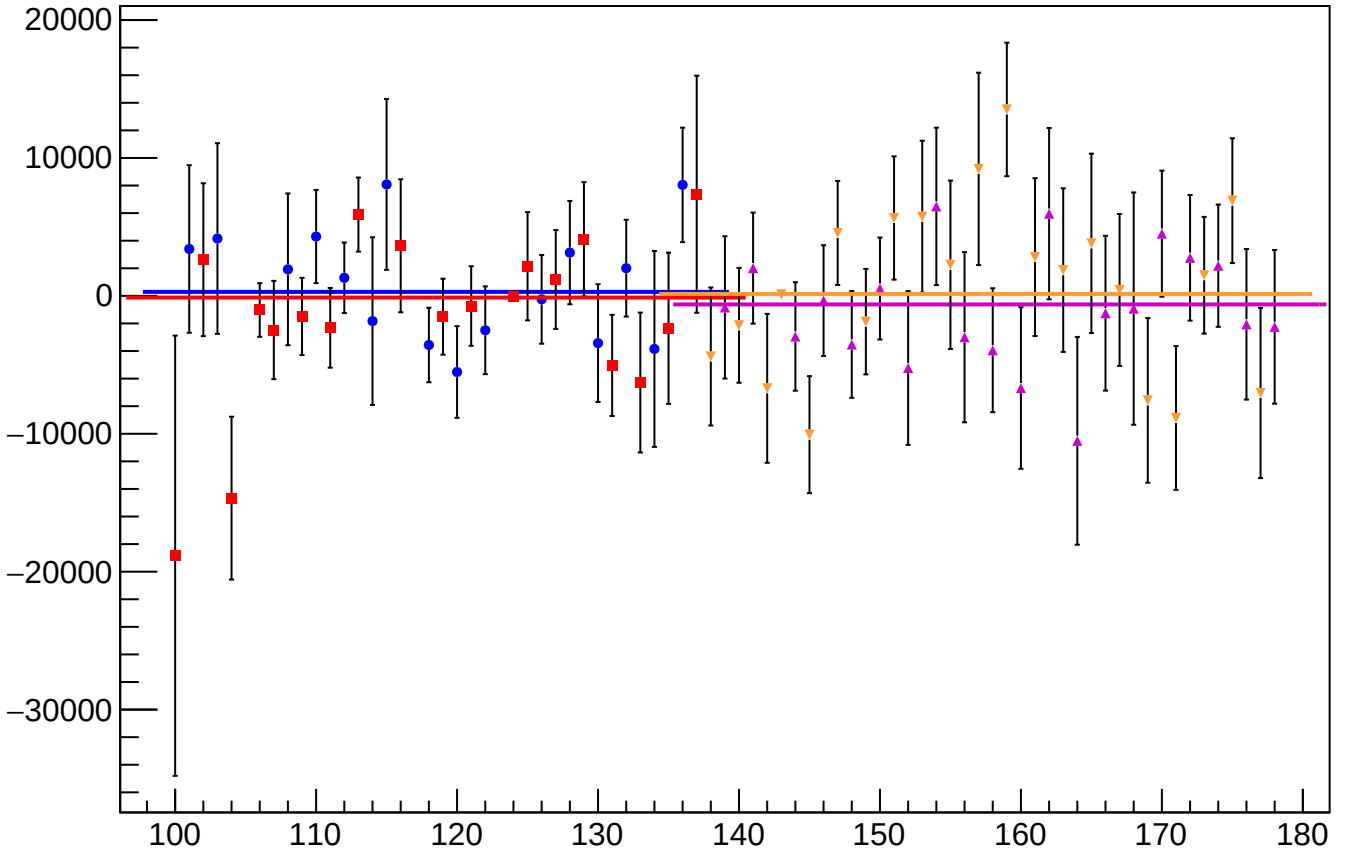
Left: 1719.015+/-0.212 χ^2/NDF: 489313.6/40

Right: 1676.049+/-0.313 χ^2/NDF: 533994.7/34

In: 1692.401+/-0.247 χ^2/NDF:241815.5/35

Out: 1718.766+/-0.250 χ^2/NDF:788786.3/39

All: 1705.454+/-0.176 χ^2/NDF: 1036234.5/75



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: -620.330+/-1093.932 χ^2/NDF:10.7/19

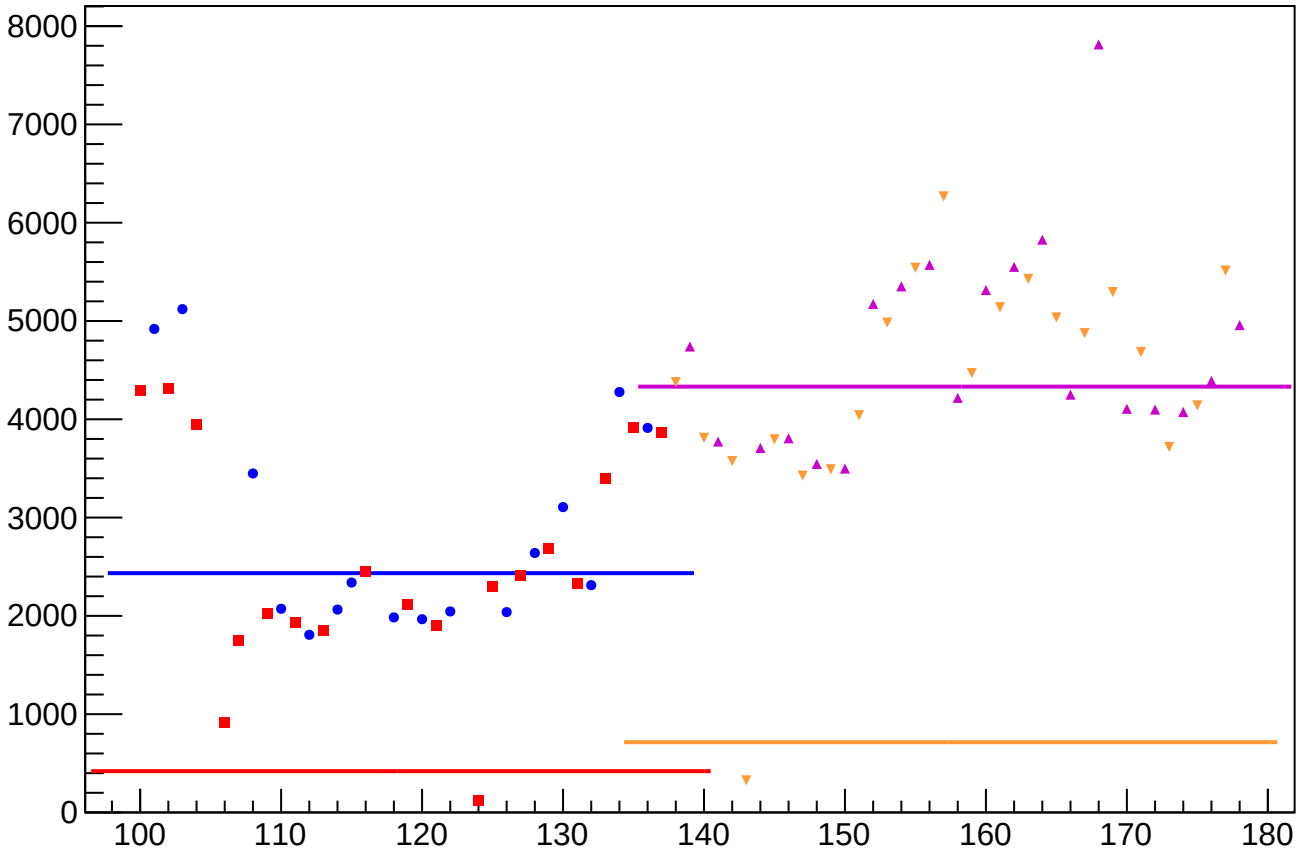
Left: 71.891+/-329.895 χ^2/NDF: 42.2/40

Right: -83.316+/-306.780 χ^2/NDF: 36.2/34

In: -106.971+/-722.009 χ^2/NDF:26.3/35

Out: -1.089+/-236.388 χ^2/NDF:52.3/39

All: -11.340+/-224.654 χ^2/NDF: 78.6/75



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: 4332.165+/-0.774 χ^2/NDF:1107751.3/19

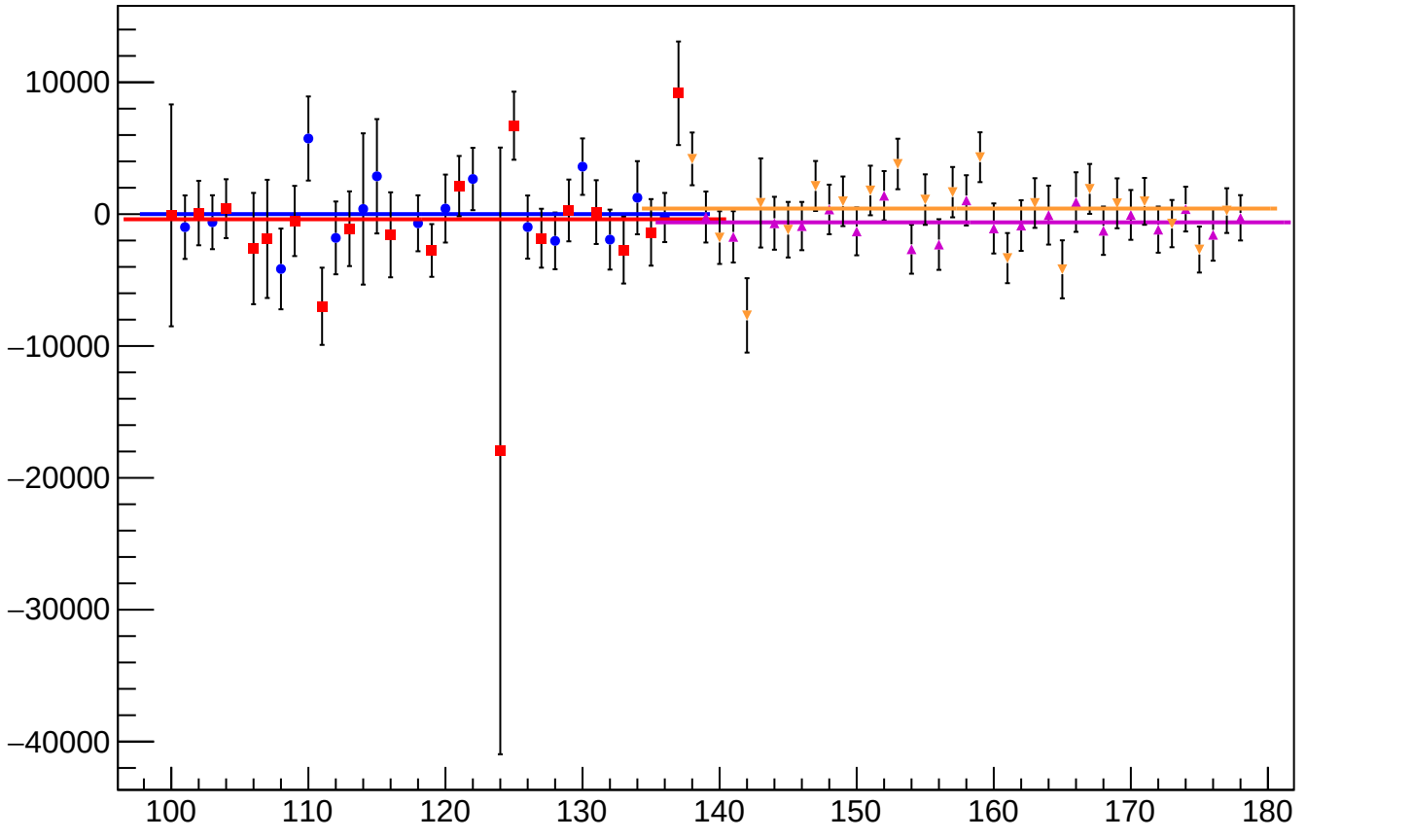
Left: 1044.066+/-0.233 χ^2/NDF: 45359488.5/40

Right: 625.534+/-0.217 χ^2/NDF: 20412045.5/34

In: 3261.207+/-0.511 χ^2/NDF:5961882.8/35

Out: 557.905+/-0.167 χ^2/NDF:36213177.4/39

All: 819.625+/-0.159 χ^2/NDF: 67497806.6/75



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: -621.706+/-423.281 χ^2/NDF:6.2/19

Left: -102.197+/-300.256 χ^2/NDF: 44.9/40

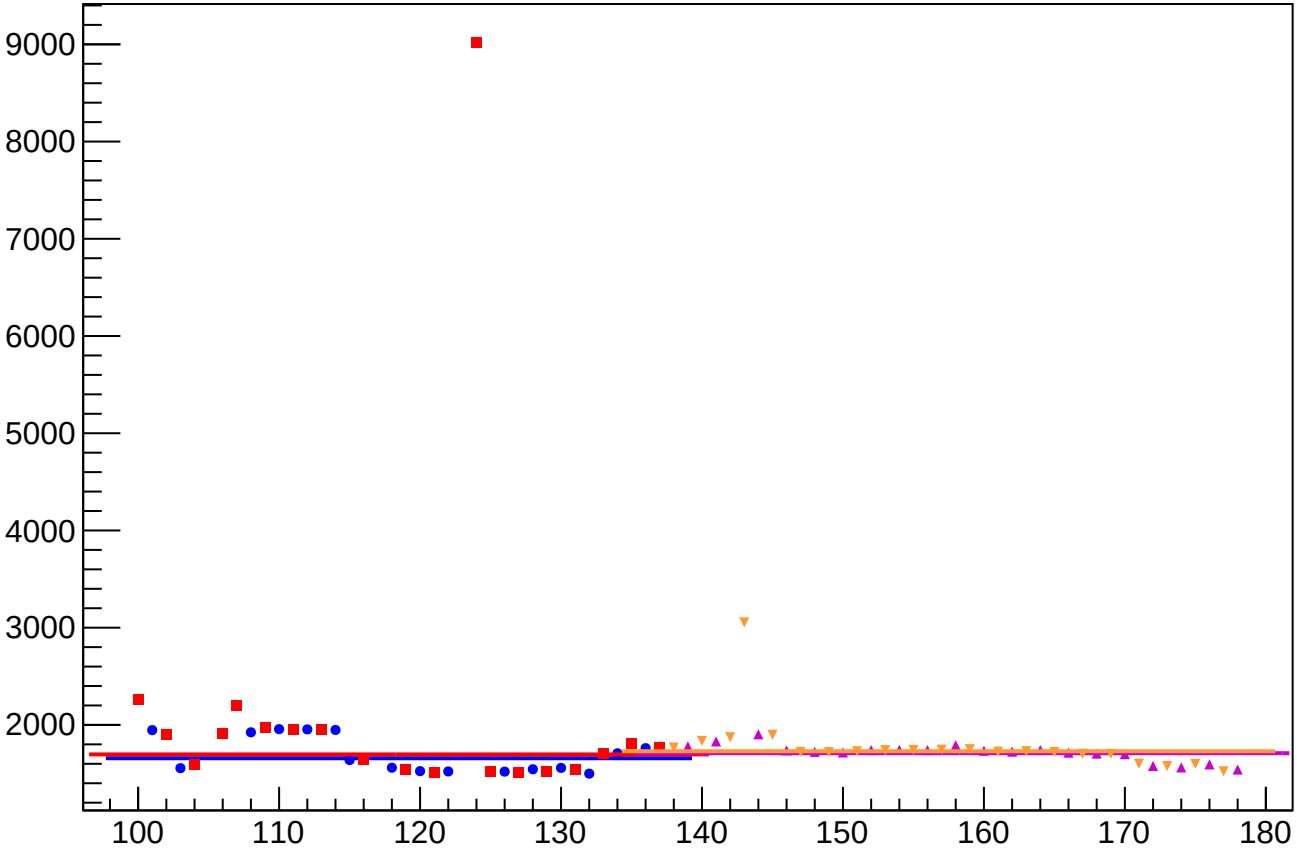
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -422.649+/-349.564 χ^2/NDF:19.4/35

Out: 170.921+/-353.531 χ^2/NDF:60.8/39

All: -129.213+/-248.570 χ^2/NDF: 81.6/75

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: 1708.851+/-0.299 χ^2/NDF:88333.8/19

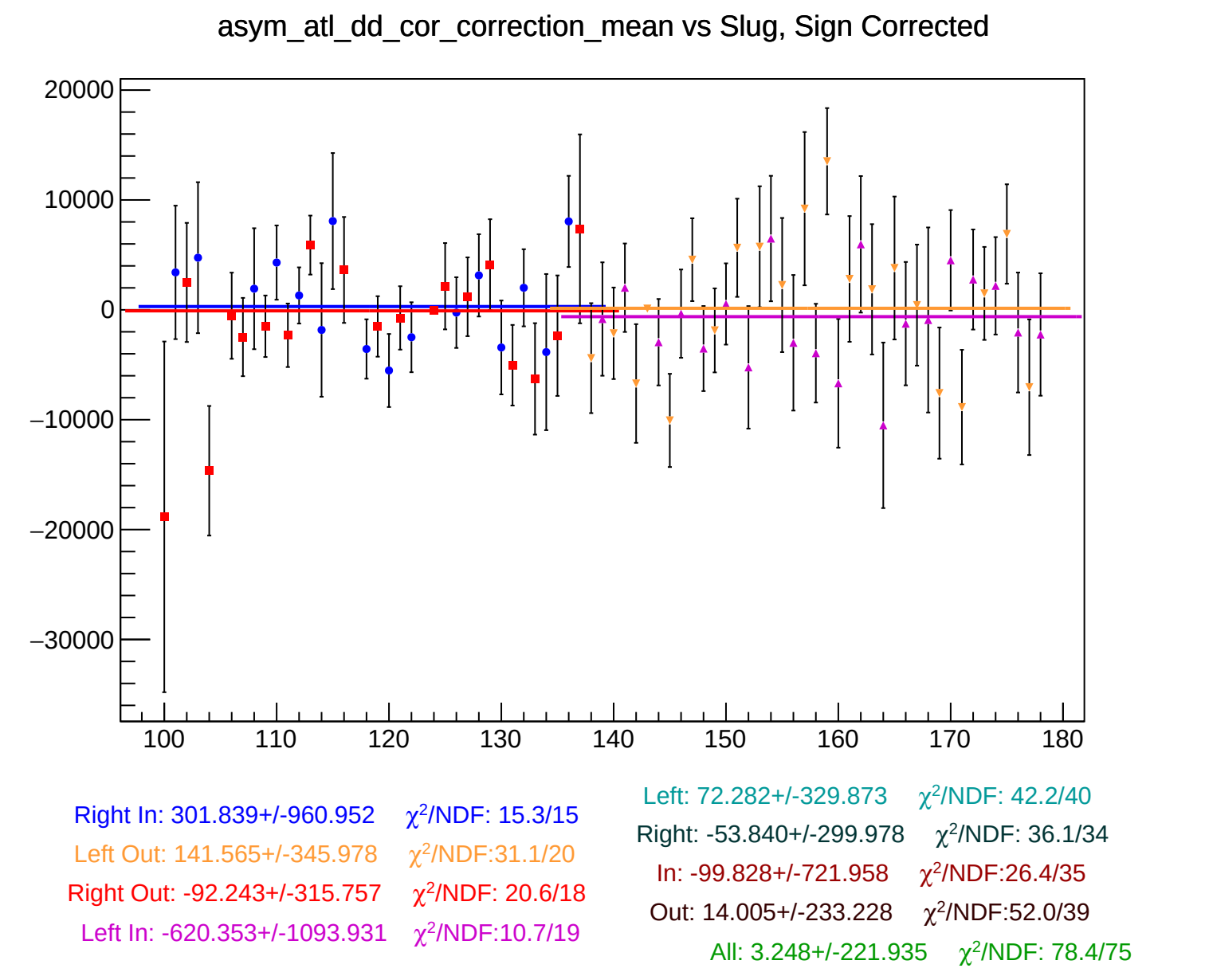
Left: 1719.015+/-0.212 χ^2/NDF: 489313.6/40

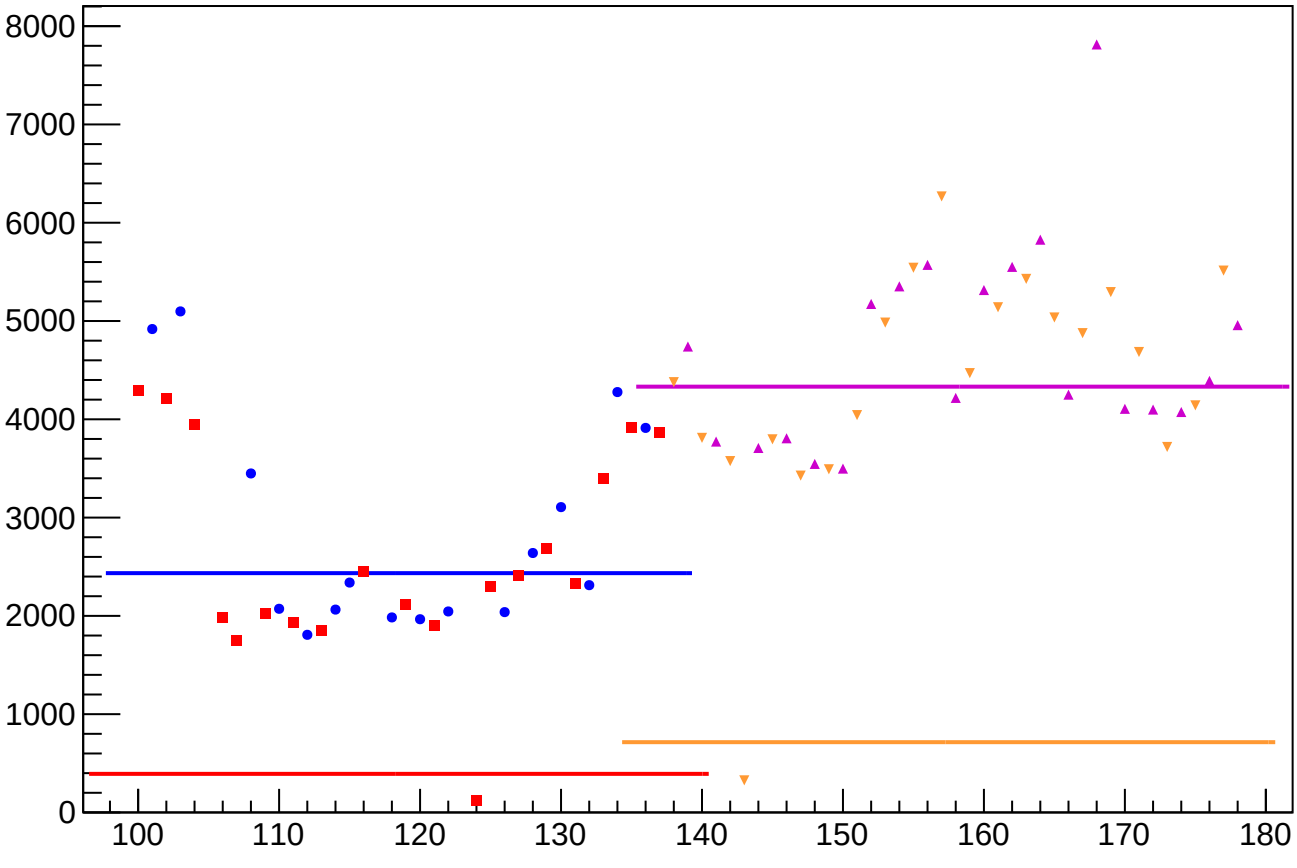
Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1692.401+/-0.247 χ^2/NDF:241815.6/35

Out: 1719.022+/-0.250 χ^2/NDF:790359.9/39

All: 1705.578+/-0.176 χ^2/NDF: 1037916.9/75


asym_atl_dd_cor_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: 301.839+/-960.952 χ²/NDF: 15.3/15
Left Out: 141.565+/-345.978 χ²/NDF:31.1/20
Right Out: -92.243+/-315.757 χ²/NDF: 20.6/18
Left In: -620.353+/-1093.931 χ²/NDF:10.7/19
Left: 72.282+/-329.873 χ²/NDF: 42.2/40
Right: -53.840+/-299.978 χ²/NDF: 36.1/34
In: -99.828+/-721.958 χ²/NDF:26.4/35
Out: 14.005+/-233.228 χ²/NDF:52.0/39
All: 3.248+/-221.935 χ²/NDF: 78.4/75



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: 4332.160+/-0.774 χ^2/NDF:1107742.6/19

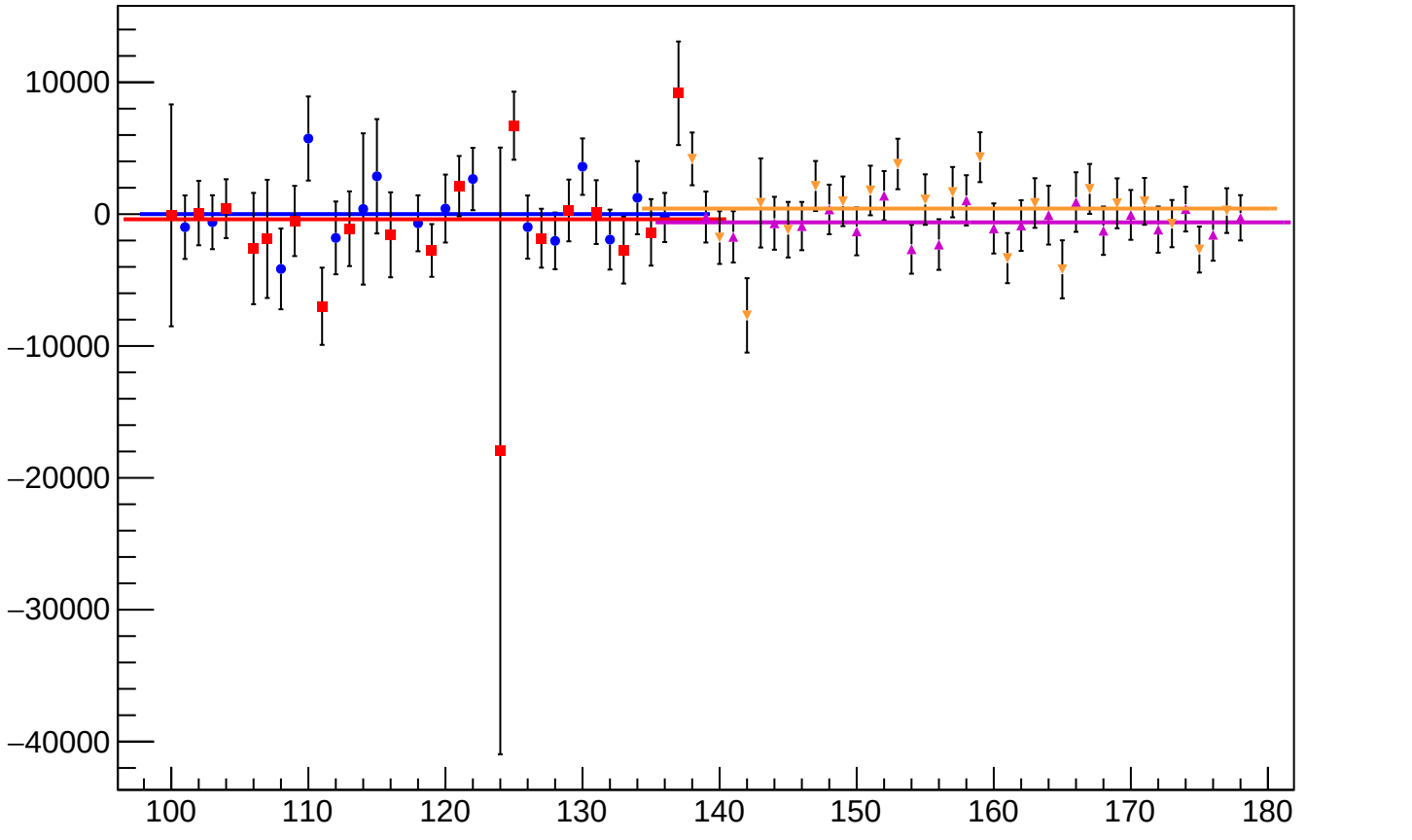
Left: 1043.949+/-0.233 χ^2/NDF: 45361318.4/40

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 3261.184+/-0.511 χ^2/NDF:5959940.8/35

Out: 539.160+/-0.165 χ^2/NDF:36730893.7/39

All: 796.388+/-0.157 χ^2/NDF: 68435002.2/75



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: -621.706+/-423.281 χ^2/NDF:6.2/19

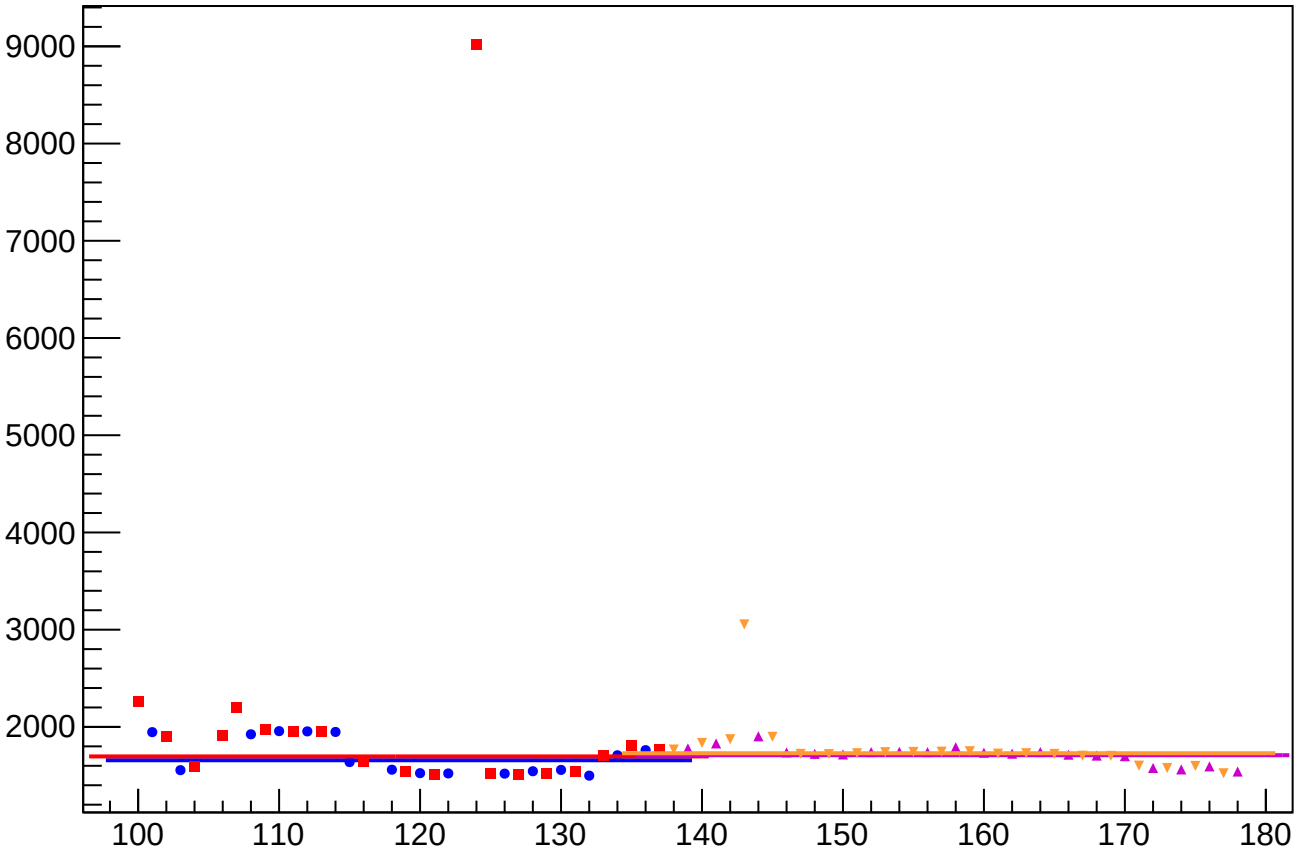
Left: -102.197+/-300.256 χ^2/NDF: 44.9/40

Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -422.649+/-349.564 χ^2/NDF:19.4/35

Out: 170.921+/-353.531 χ^2/NDF:60.8/39

All: -129.213+/-248.570 χ^2/NDF: 81.6/75



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: 1708.851+/-0.299 χ^2/NDF:88333.8/19

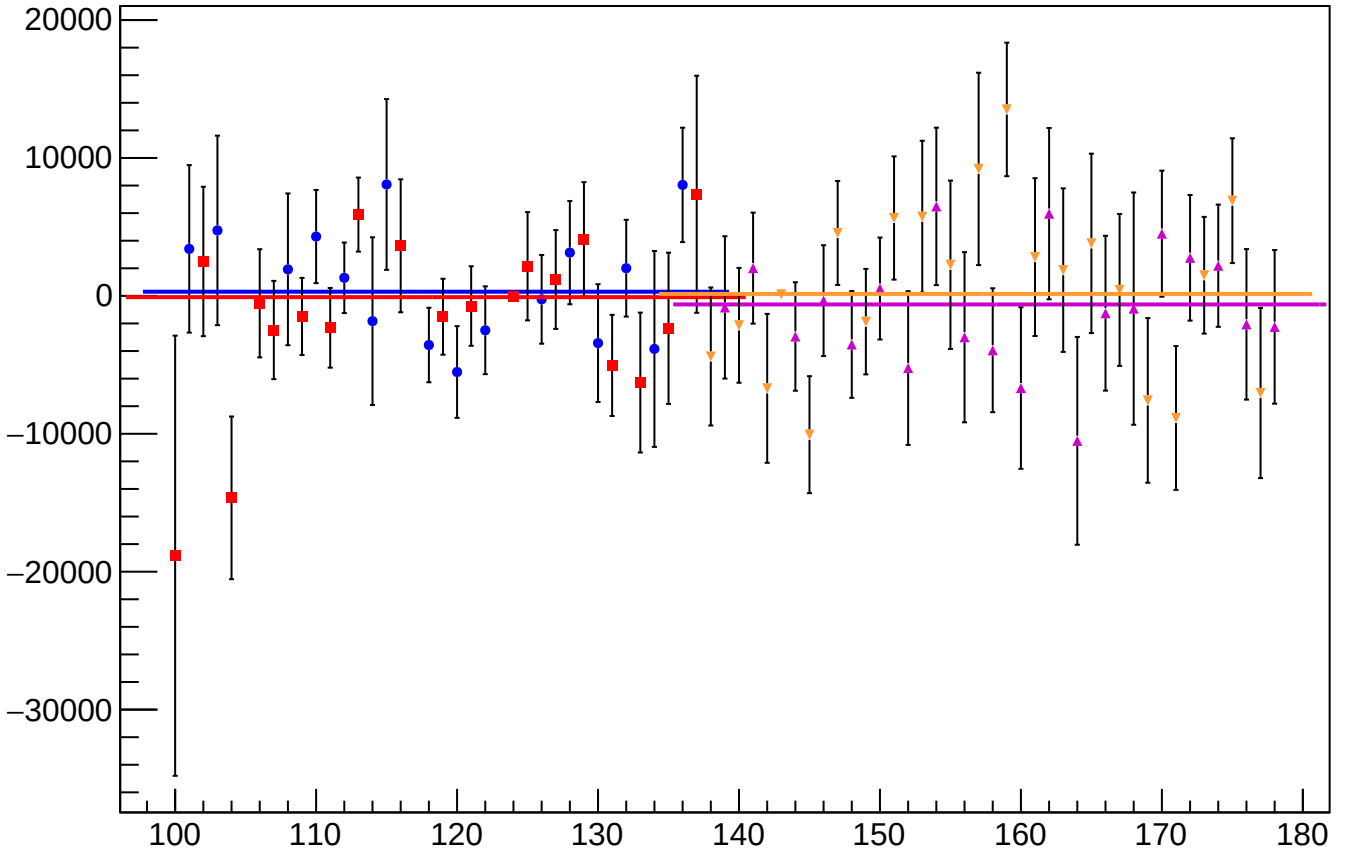
Left: 1719.015+/-0.212 χ^2/NDF: 489313.6/40

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1692.401+/-0.247 χ^2/NDF:241815.6/35

Out: 1719.022+/-0.250 χ^2/NDF:790359.9/39

All: 1705.578+/-0.176 χ^2/NDF: 1037916.9/75



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: -620.353+/-1093.931 χ^2/NDF:10.7/19

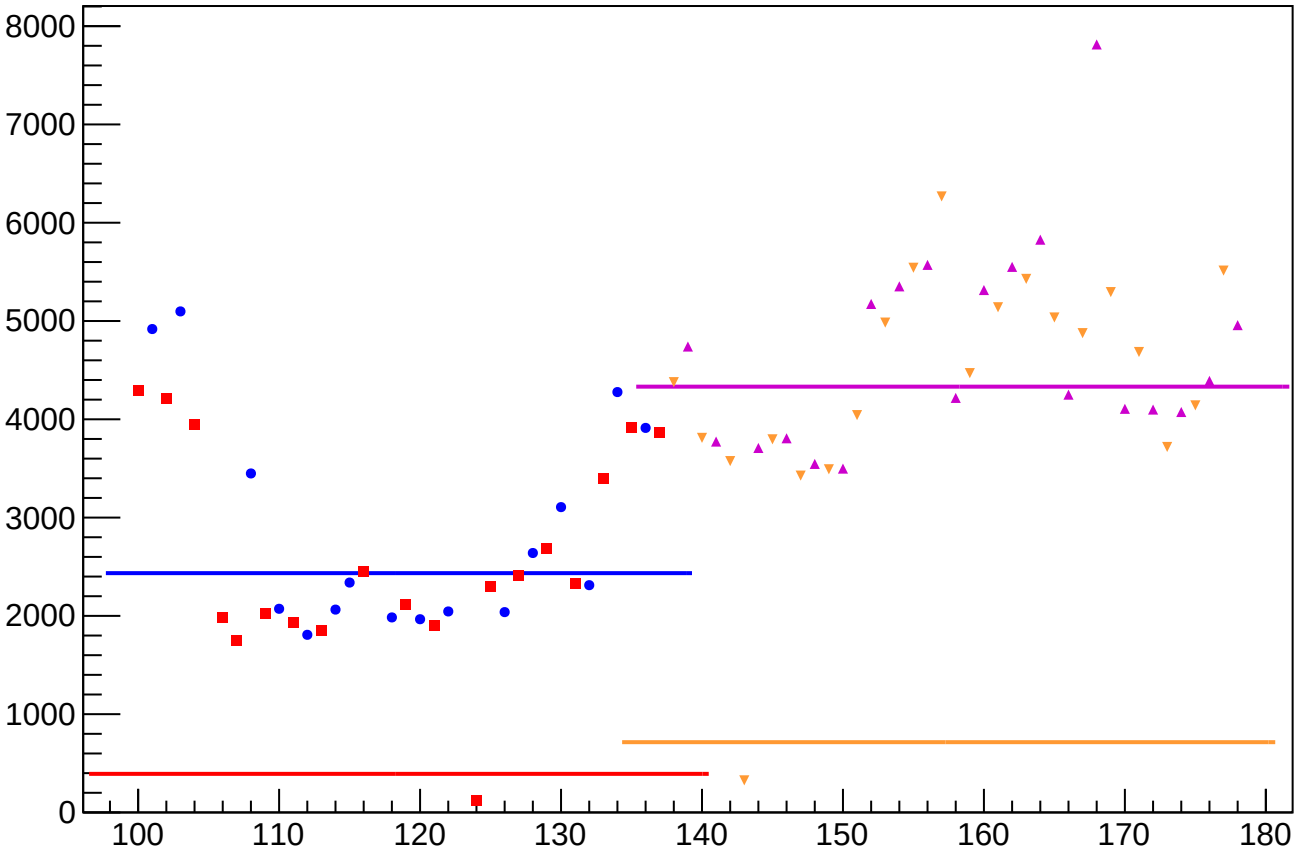
Left: 72.282+/-329.873 χ^2/NDF: 42.2/40

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: -99.828+/-721.958 χ^2/NDF:26.4/35

Out: 14.005+/-233.228 χ^2/NDF:52.0/39

All: 3.248+/-221.935 χ^2/NDF: 78.4/75



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: 4332.160+/-0.774 χ^2/NDF:1107742.6/19

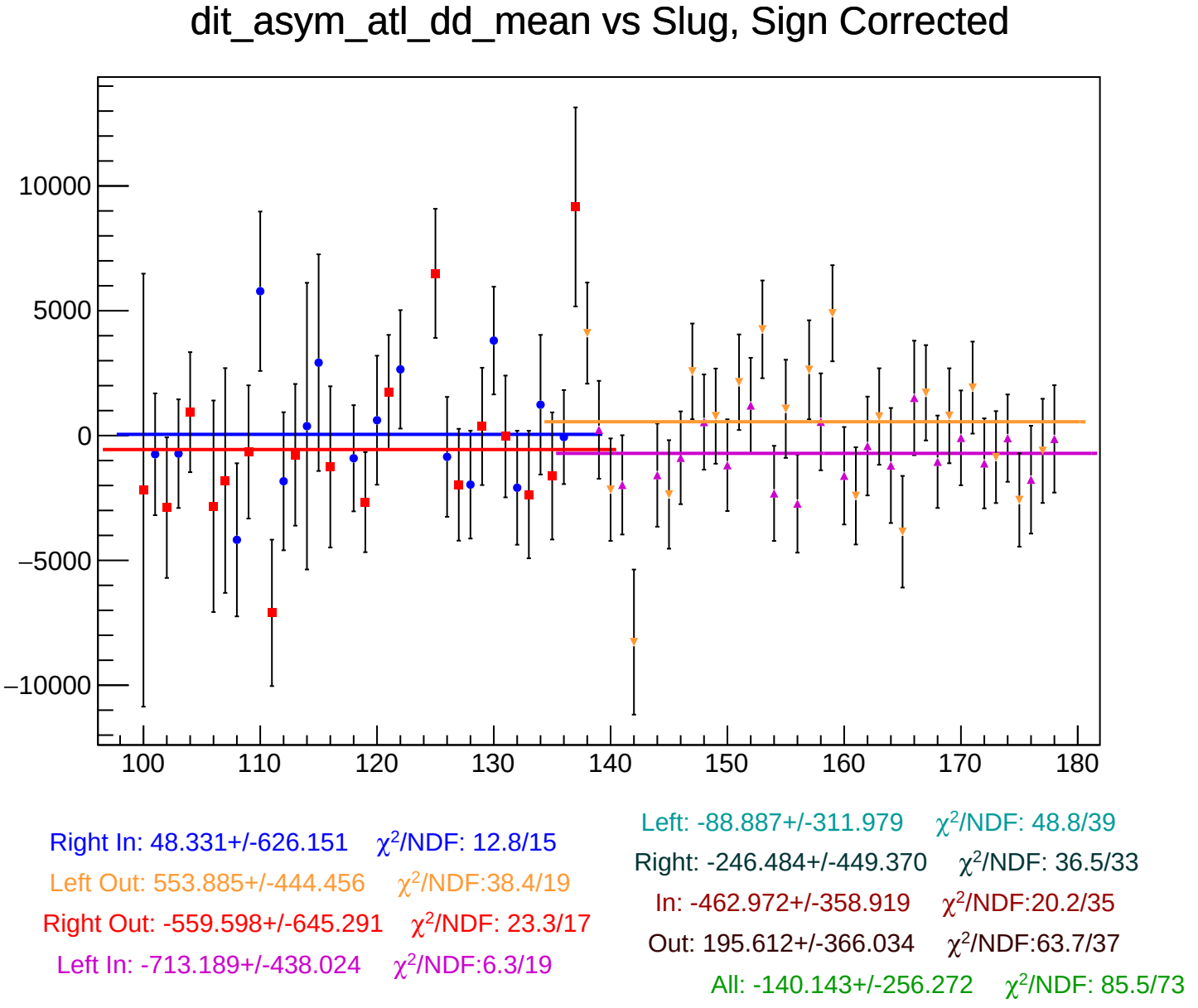
Left: 1043.949+/-0.233 χ^2/NDF: 45361318.4/40

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

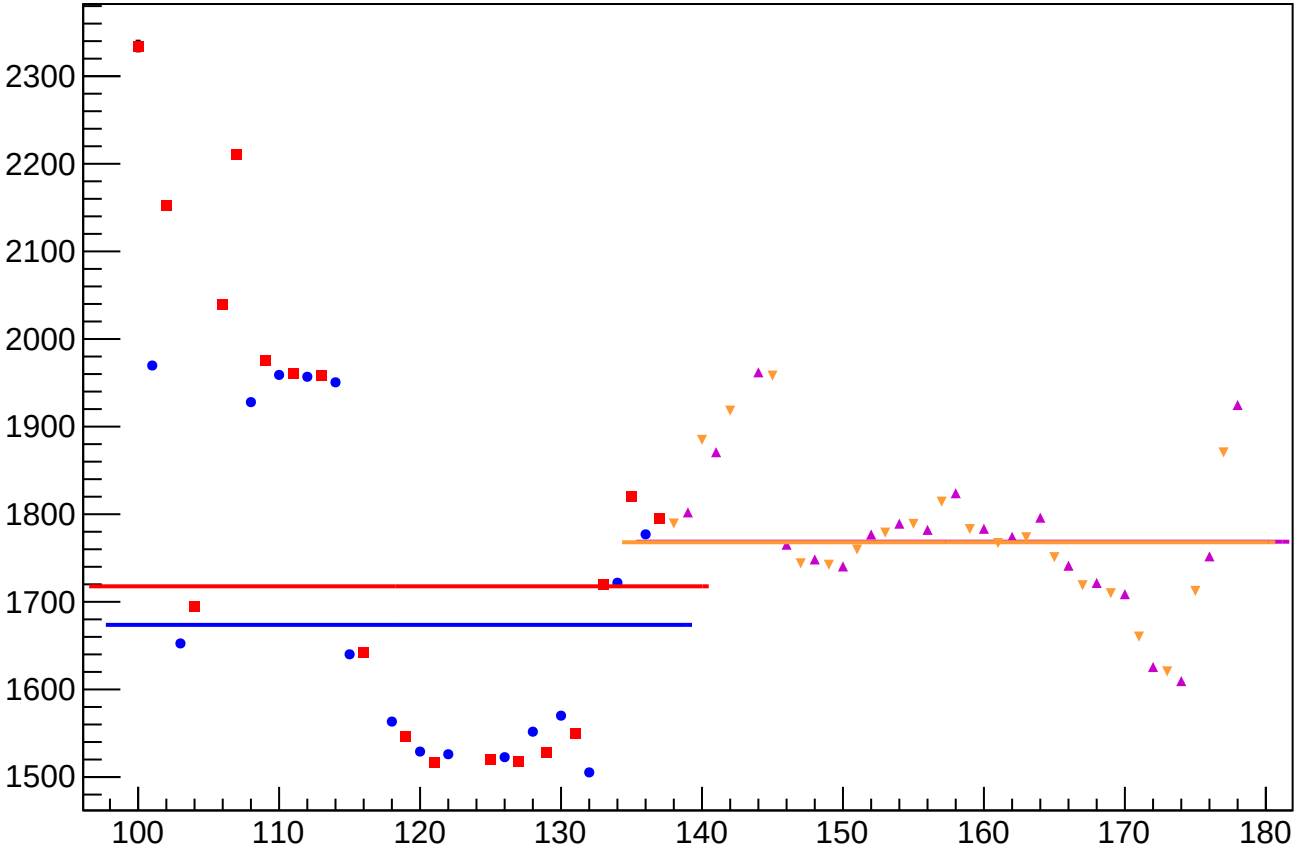
In: 3261.184+/-0.511 χ^2/NDF:5959940.8/35

Out: 539.160+/-0.165 χ^2/NDF:36730893.7/39

All: 796.388+/-0.157 χ^2/NDF: 68435002.2/75


dit_asym_atl_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: 48.331+/-626.151 χ²/NDF: 12.8/15
Left Out: 553.885+/-444.456 χ²/NDF:38.4/19
Right Out: -559.598+/-645.291 χ²/NDF: 23.3/17
Left In: -713.189+/-438.024 χ²/NDF:6.3/19
Left: -88.887+/-311.979 χ²/NDF: 48.8/39
Right: -246.484+/-449.370 χ²/NDF: 36.5/33
In: -462.972+/-358.919 χ²/NDF:20.2/35
Out: 195.612+/-366.034 χ²/NDF:63.7/37
All: -140.143+/-256.272 χ²/NDF: 85.5/73

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: 1768.639+/-0.310 χ^2/NDF:69817.0/19

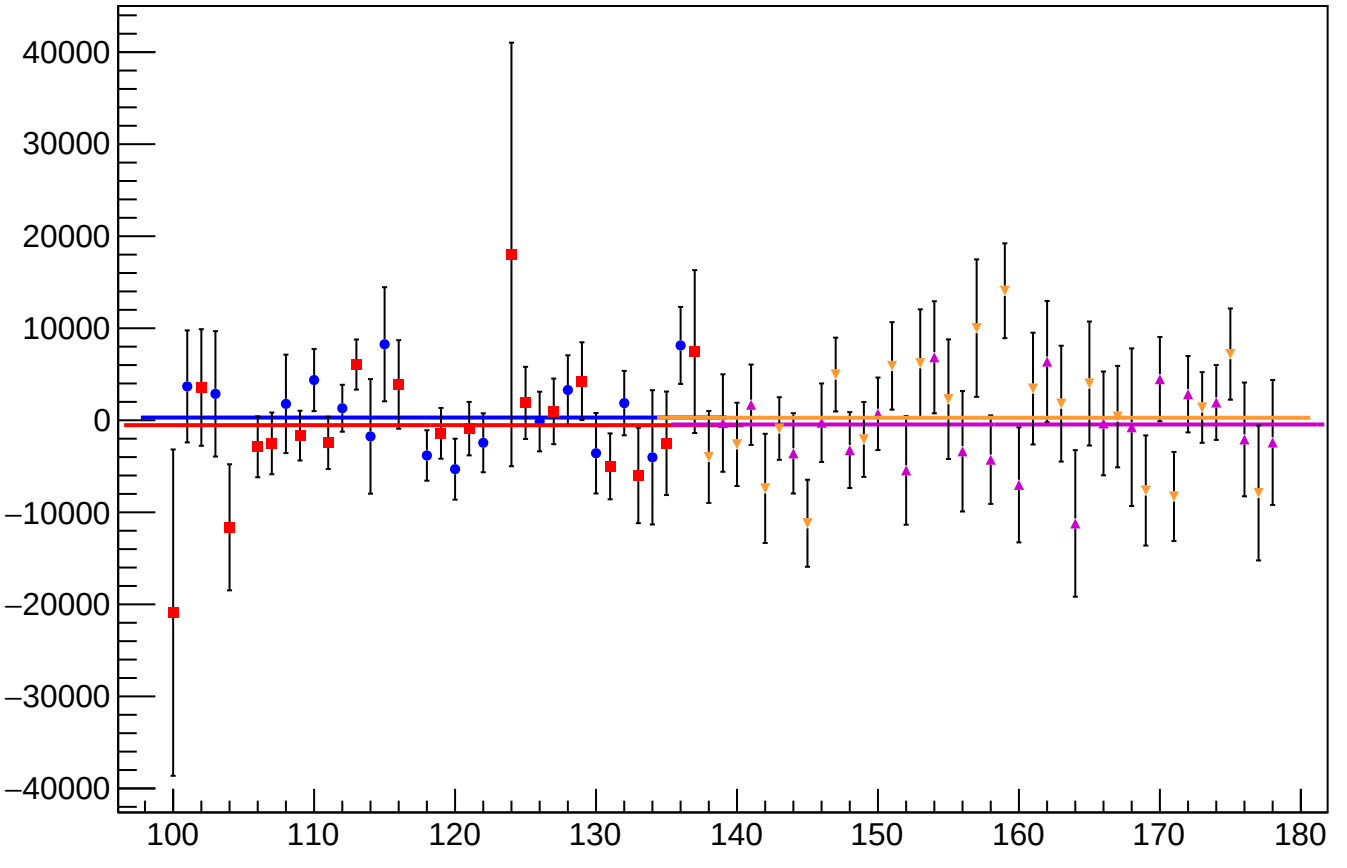
Left: 1768.326+/-0.221 χ^2/NDF: 128966.9/39

Right: 1695.110+/-0.317 χ^2/NDF: 373312.6/33

In: 1737.454+/-0.254 χ^2/NDF:241542.9/35

Out: 1751.772+/-0.259 χ^2/NDF:295054.8/37

All: 1744.477+/-0.181 χ^2/NDF: 538159.0/73



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: -454.964+/-1143.643 χ^2/NDF:10.6/19

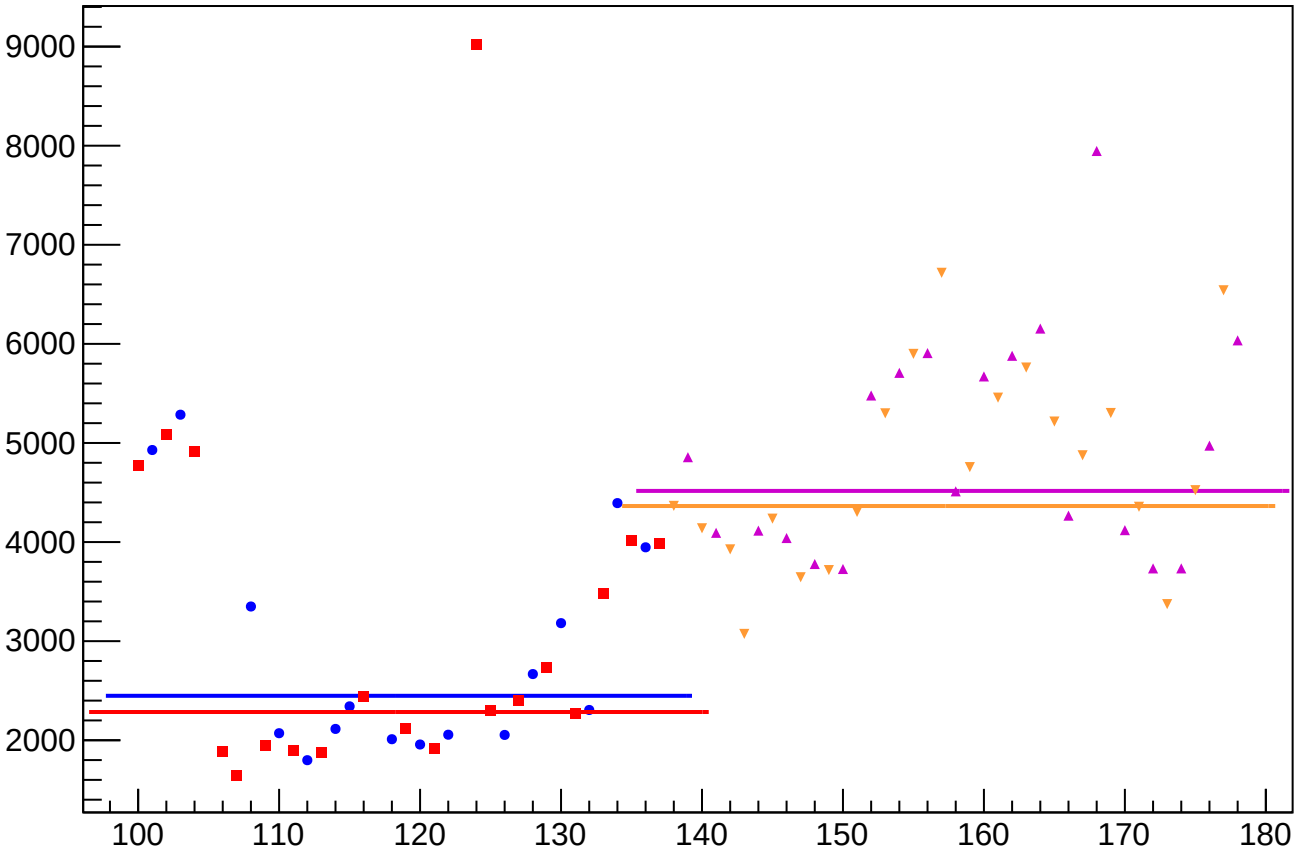
Left: -75.393+/-792.173 χ^2/NDF: 41.5/40

Right: -153.305+/-651.728 χ^2/NDF: 34.4/34

In: -15.890+/-737.381 χ^2/NDF:26.1/35

Out: -214.276+/-688.639 χ^2/NDF:49.8/39

All: -121.856+/-503.291 χ^2/NDF: 75.9/75



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: 4516.192+/-0.809 χ^2/NDF:1267452.0/19

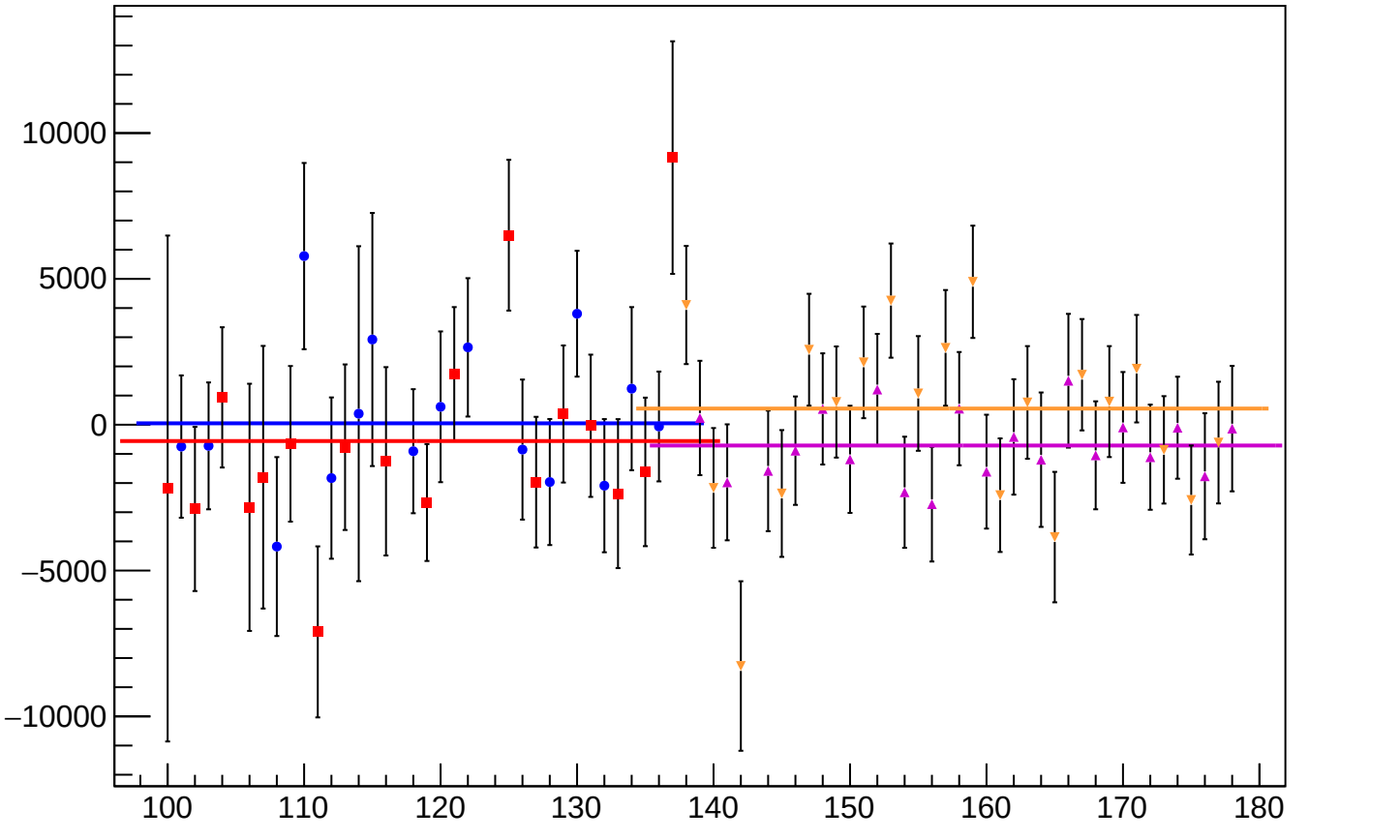
Left: 4436.882+/-0.560 χ^2/NDF: 2652757.7/40

Right: 2359.711+/-0.461 χ^2/NDF: 3097643.0/34

In: 3308.142+/-0.521 χ^2/NDF:6604474.6/35

Out: 3102.217+/-0.487 χ^2/NDF:7263108.1/39

All: 3198.149+/-0.356 χ^2/NDF: 13950896.8/7



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: -713.189+/-438.024 χ^2/NDF:6.3/19

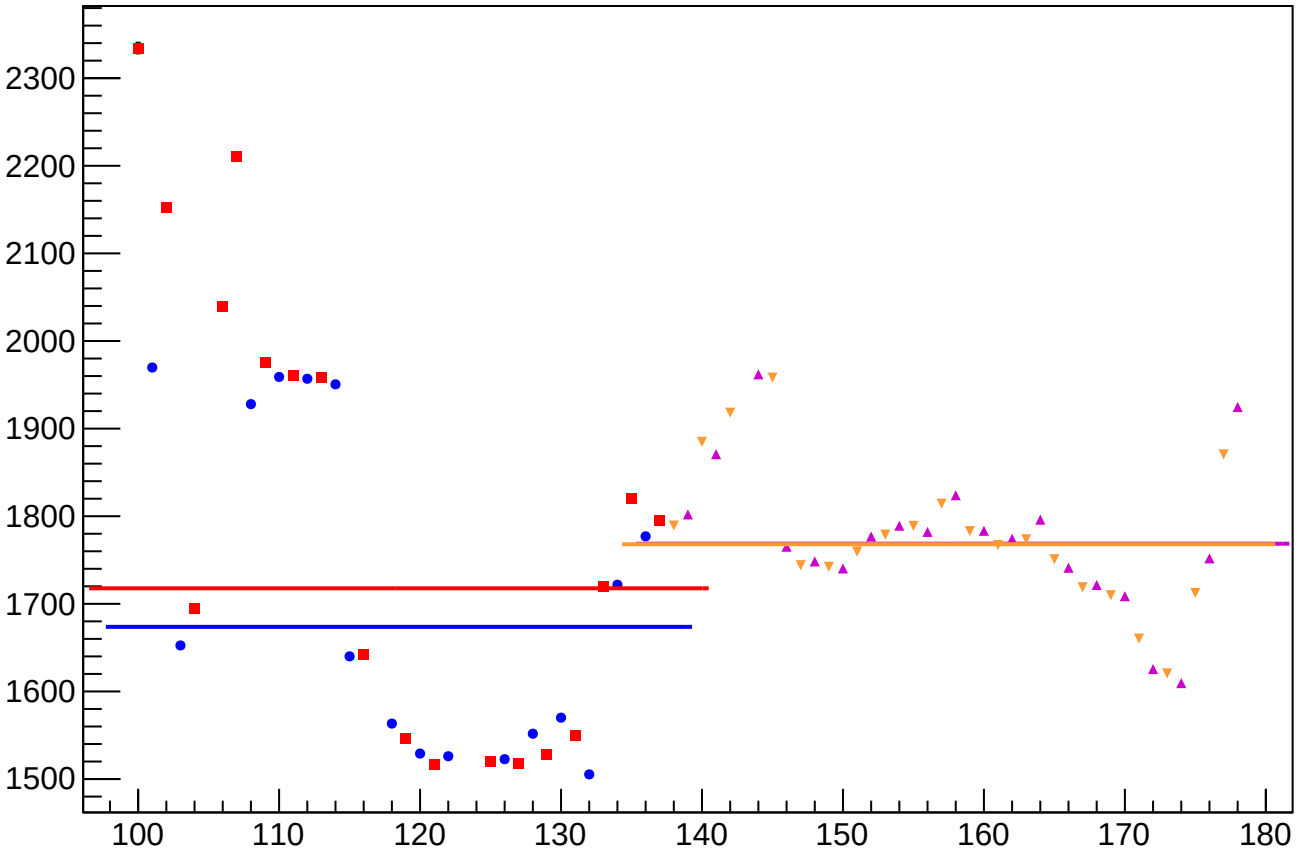
Left: -88.887+/-311.979 χ^2/NDF: 48.8/39

Right: -246.486+/-449.370 χ^2/NDF: 36.5/33

In: -462.973+/-358.919 χ^2/NDF:20.2/35

Out: 195.611+/-366.034 χ^2/NDF:63.7/37

All: -140.144+/-256.272 χ^2/NDF: 85.5/73



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: 1768.639+/-0.310 χ^2/NDF:69819.6/19

Left: 1768.327+/-0.221 χ^2/NDF: 128972.2/39

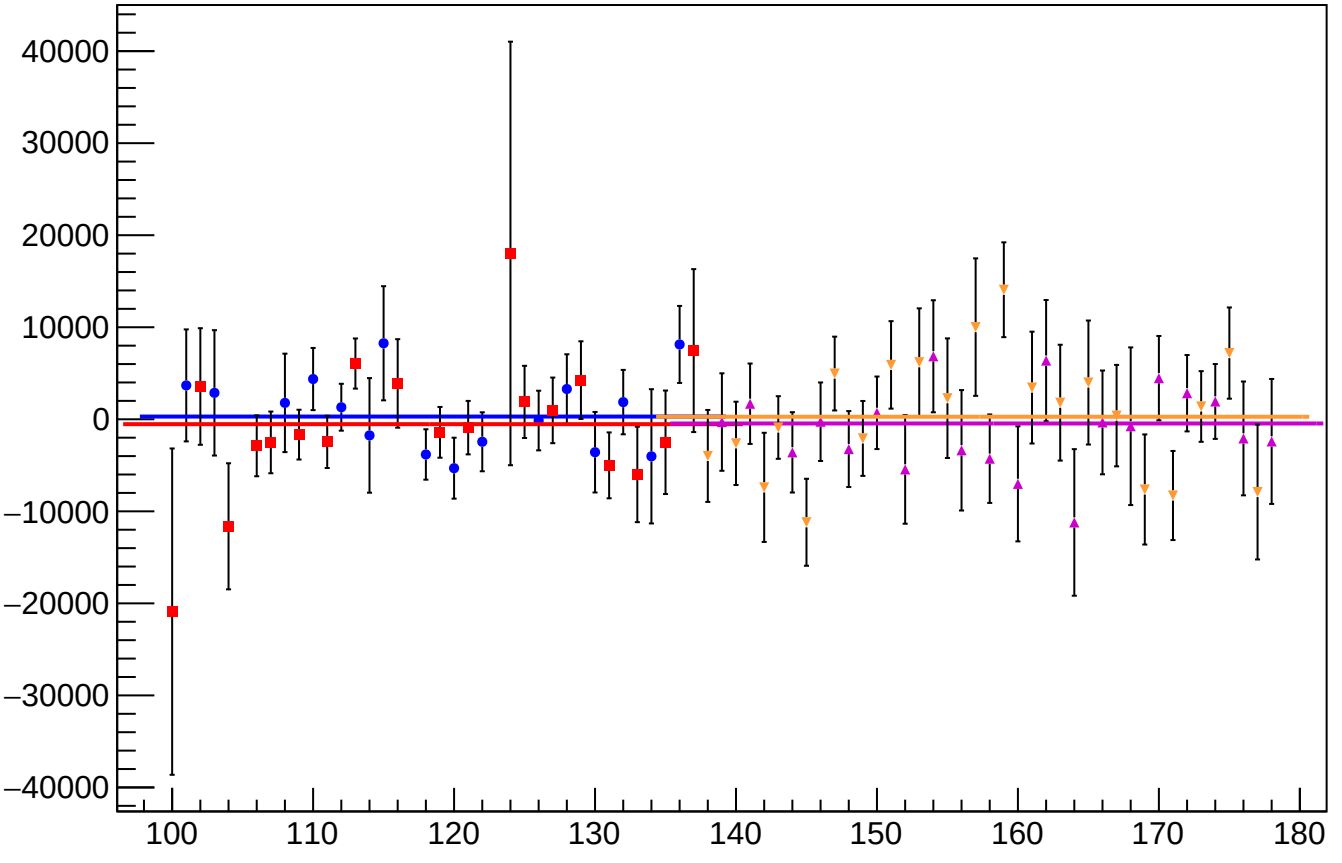
Right: 1695.110+/-0.317 χ^2/NDF: 373311.9/33

In: 1737.454+/-0.254 χ^2/NDF:241546.2/35

Out: 1751.772+/-0.259 χ^2/NDF:295056.9/37

All: 1744.478+/-0.181 χ^2/NDF: 538164.4/73

asym_atl_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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: -454.965+/-1143.645 χ^2/NDF:10.6/19

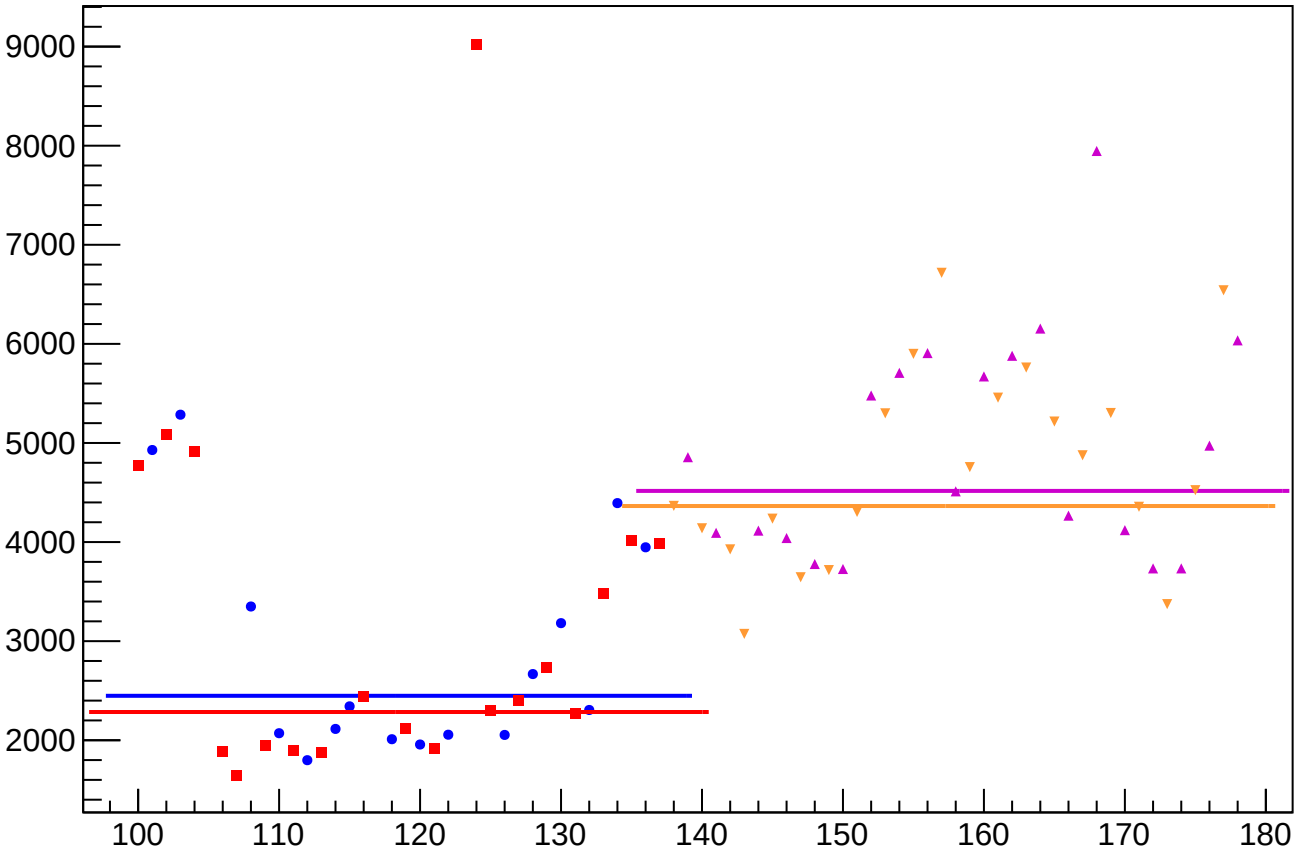
Left: -75.391+/-792.174 χ^2/NDF: 41.5/40

Right: -153.308+/-651.726 χ^2/NDF: 34.4/34

In: -15.892+/-737.380 χ^2/NDF:26.1/35

Out: -214.277+/-688.638 χ^2/NDF:49.8/39

All: -121.858+/-503.290 χ^2/NDF: 75.9/75



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: 4516.199+/-0.809 χ^2/NDF:1267452.6/19

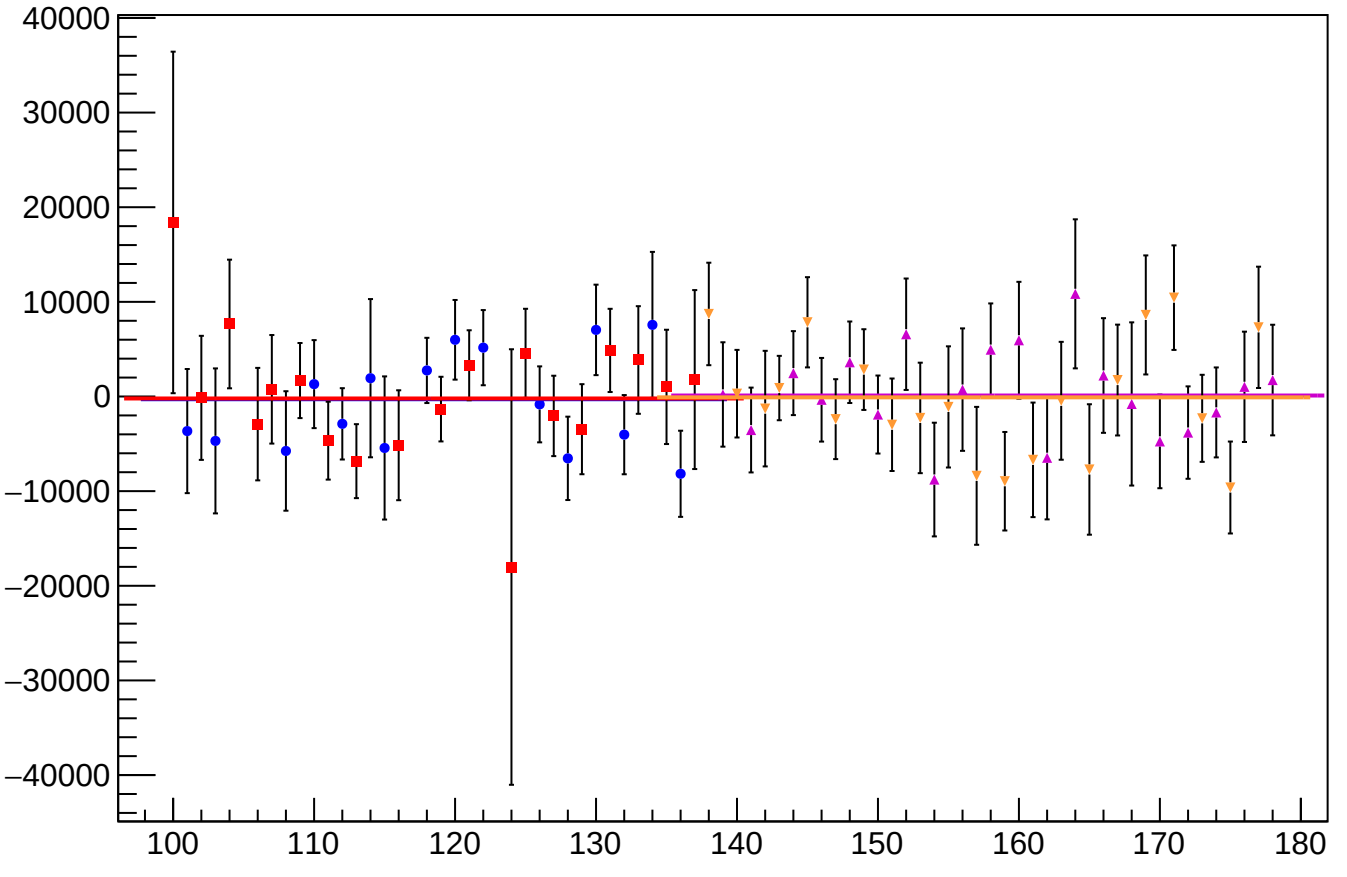
Left: 4436.889+/-0.560 χ^2/NDF: 2652760.4/40

Right: 2359.701+/-0.461 χ^2/NDF: 3097663.3/34

In: 3308.133+/-0.521 χ^2/NDF:6604559.6/35

Out: 3102.210+/-0.487 χ^2/NDF:7263186.4/39

All: 3198.141+/-0.356 χ^2/NDF: 13951059.3/7



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: 103.472+/-1184.815 χ^2/NDF:12.0/19

Left: 2.574+/-819.701 χ^2/NDF: 36.5/40

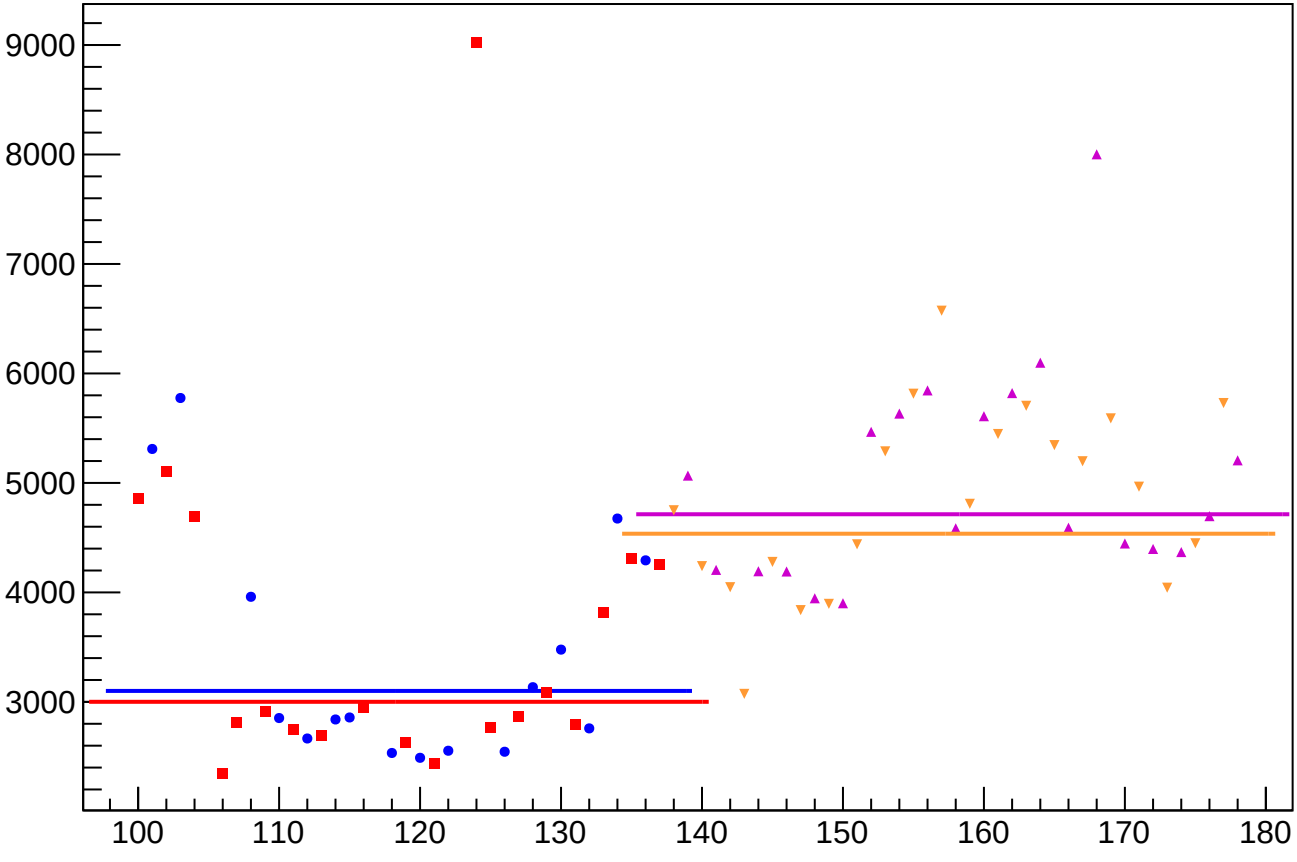
Right: -246.932+/-830.804 χ^2/NDF: 29.4/34

In: -89.848+/-842.184 χ^2/NDF:28.6/35

Out: -148.799+/-809.197 χ^2/NDF:37.4/39

All: -120.501+/-583.502 χ^2/NDF: 66.0/75

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: 4713.830+/-0.838 χ^2/NDF:865230.9/19

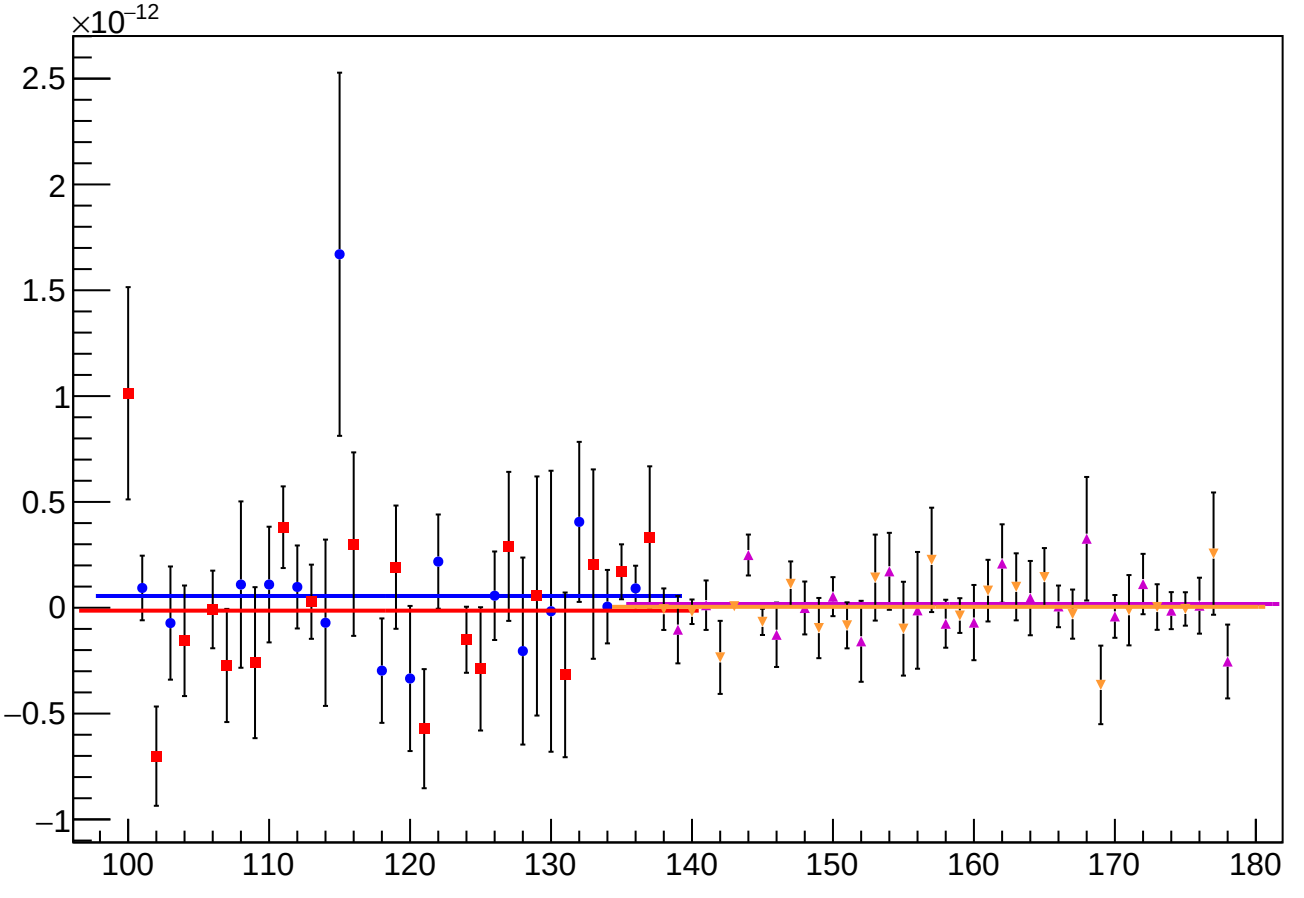
Left: 4621.137+/-0.580 χ^2/NDF: 1994175.9/40

Right: 3047.926+/-0.583 χ^2/NDF: 1777509.7/34

In: 3915.465+/-0.596 χ^2/NDF:3664391.7/35

Out: 3770.374+/-0.568 χ^2/NDF:3736324.9/39

All: 3839.535+/-0.411 χ^2/NDF: 7431781.6/75



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:15.4/19

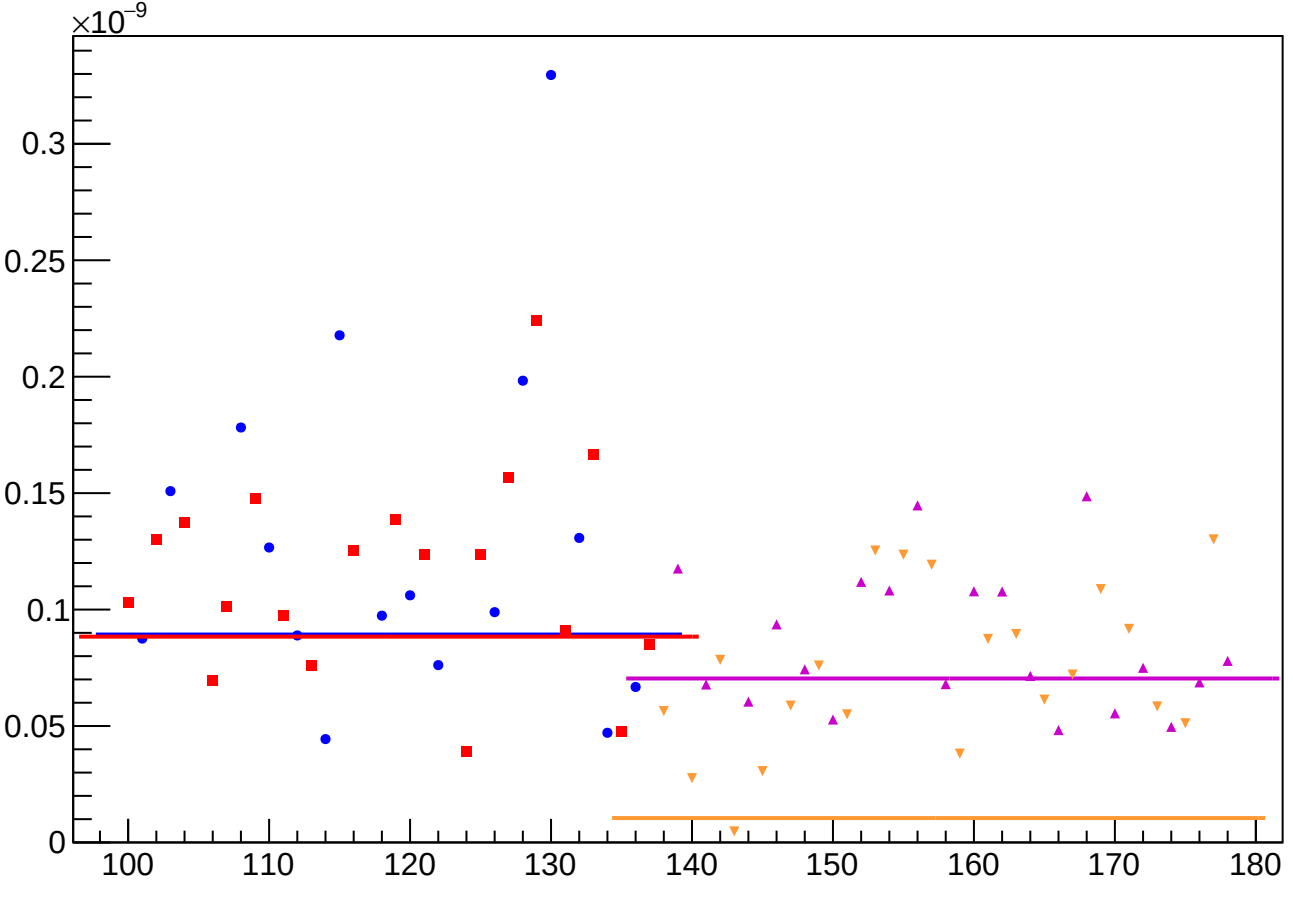
Left: 0.000+/-0.000 χ^2/NDF: 29.6/40

Right: 0.000+/-0.000 χ^2/NDF: 40.1/34

In: 0.000+/-0.000 χ^2/NDF:25.1/35

Out: 0.000+/-0.000 χ^2/NDF:44.1/39

All: 0.000+/-0.000 χ^2/NDF: 69.8/75



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:1223962.3/19

Left: 0.000+/-0.000 χ^2/NDF: 18095789.2/40

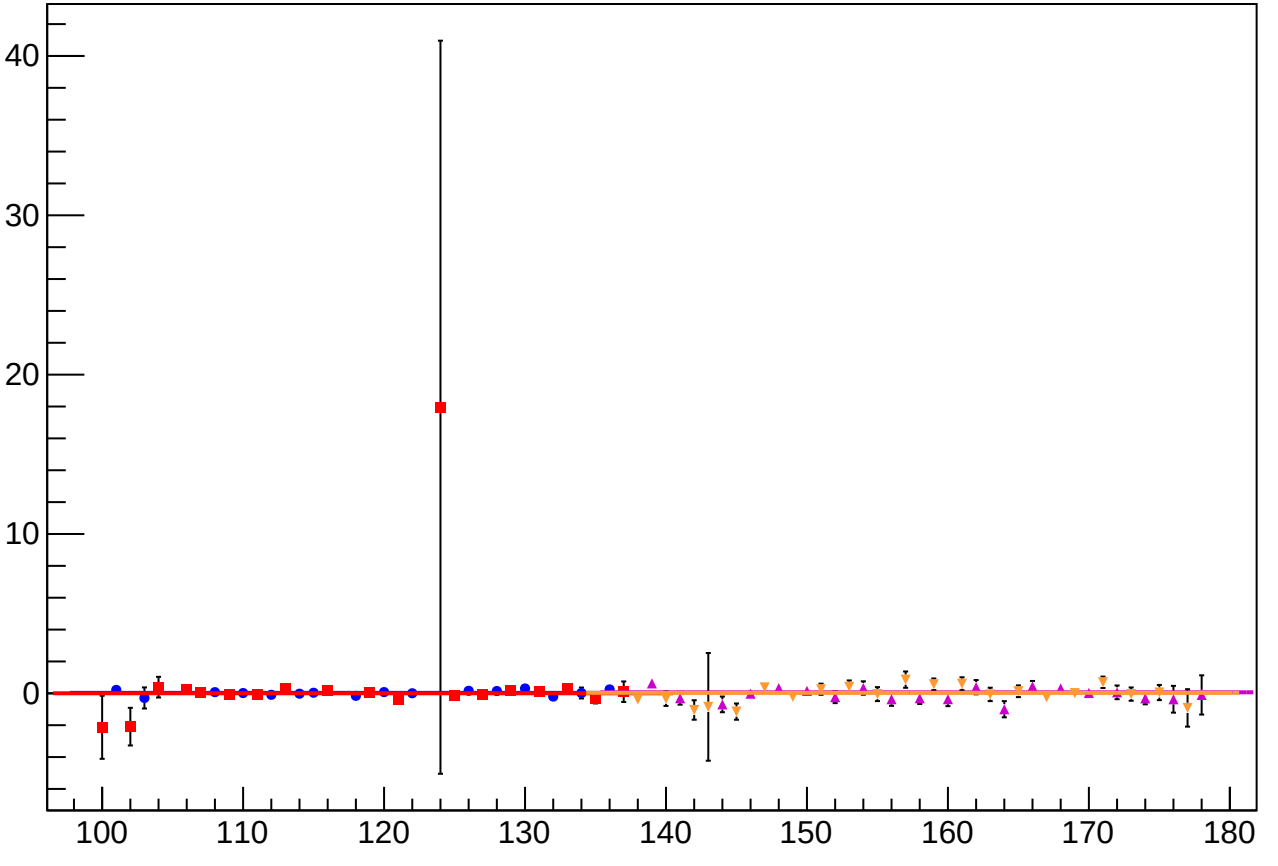
Right: 0.000+/-0.000 χ^2/NDF: 1963677.1/34

In: 0.000+/-0.000 χ^2/NDF:2349478.5/35

Out: 0.000+/-0.000 χ^2/NDF:13942922.1/39

All: 0.000+/-0.000 χ^2/NDF: 26696382.4/75

asym_atl_dd_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:22.5/19

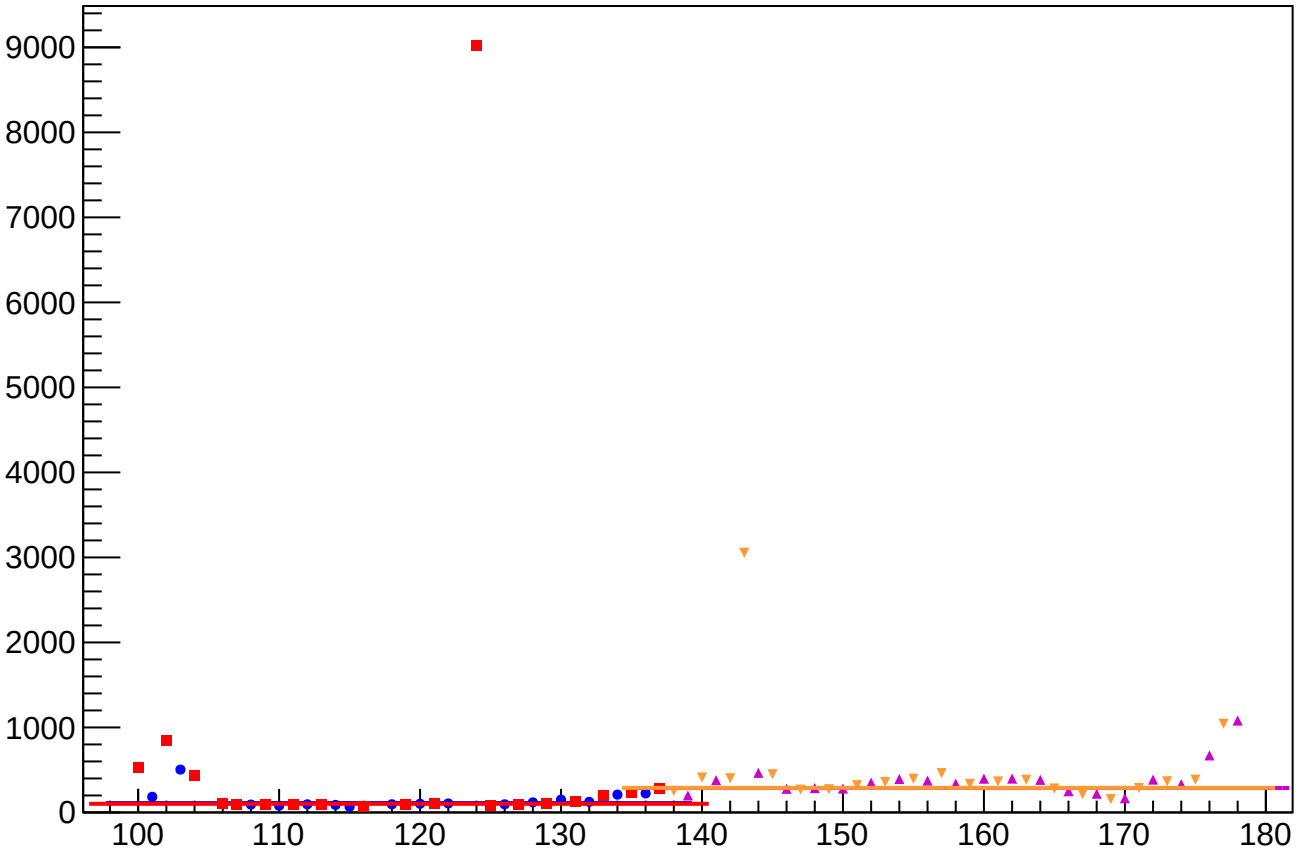
Left: 0.049+/-0.055 χ^2/NDF: 49.5/40

Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.037+/-0.039 χ^2/NDF:31.5/35

Out: 0.010+/-0.038 χ^2/NDF:49.5/39

All: 0.023+/-0.027 χ^2/NDF: 81.2/75



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: 287.543+/-0.054 χ^2/NDF:3658075.0/19

Left: 288.408+/-0.039 χ^2/NDF: 8367749.4/40

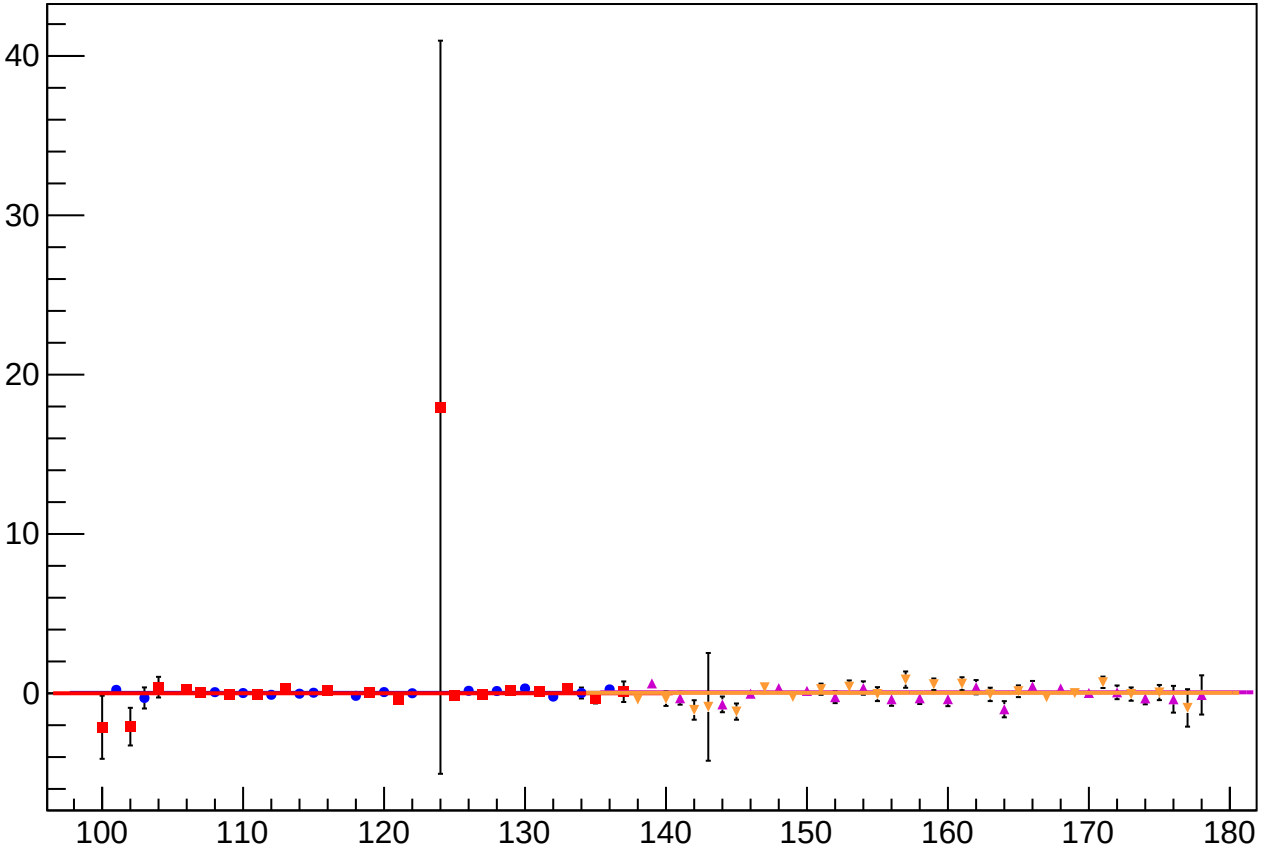
Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 155.875+/-0.028 χ^2/NDF:13528974.3/35

Out: 146.024+/-0.027 χ^2/NDF:16102579.4/39

All: 150.809+/-0.019 χ^2/NDF: 29697132.2/75

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:22.5/19

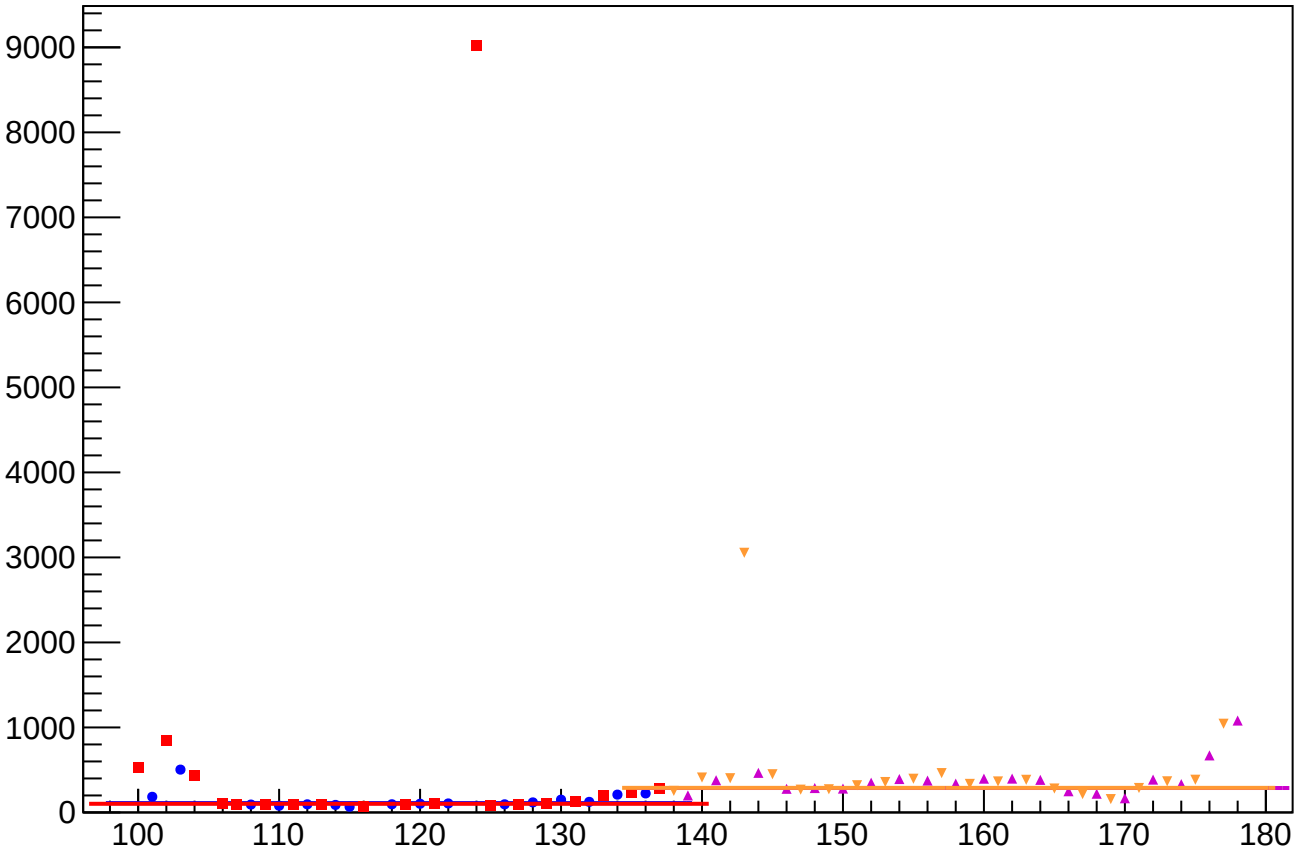
Left: 0.049+/-0.055 χ^2/NDF: 49.5/40

Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.037+/-0.039 χ^2/NDF:31.5/35

Out: 0.010+/-0.038 χ^2/NDF:49.5/39

All: 0.023+/-0.027 χ^2/NDF: 81.2/75



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: 287.543+/-0.054 χ^2/NDF:3658075.0/19

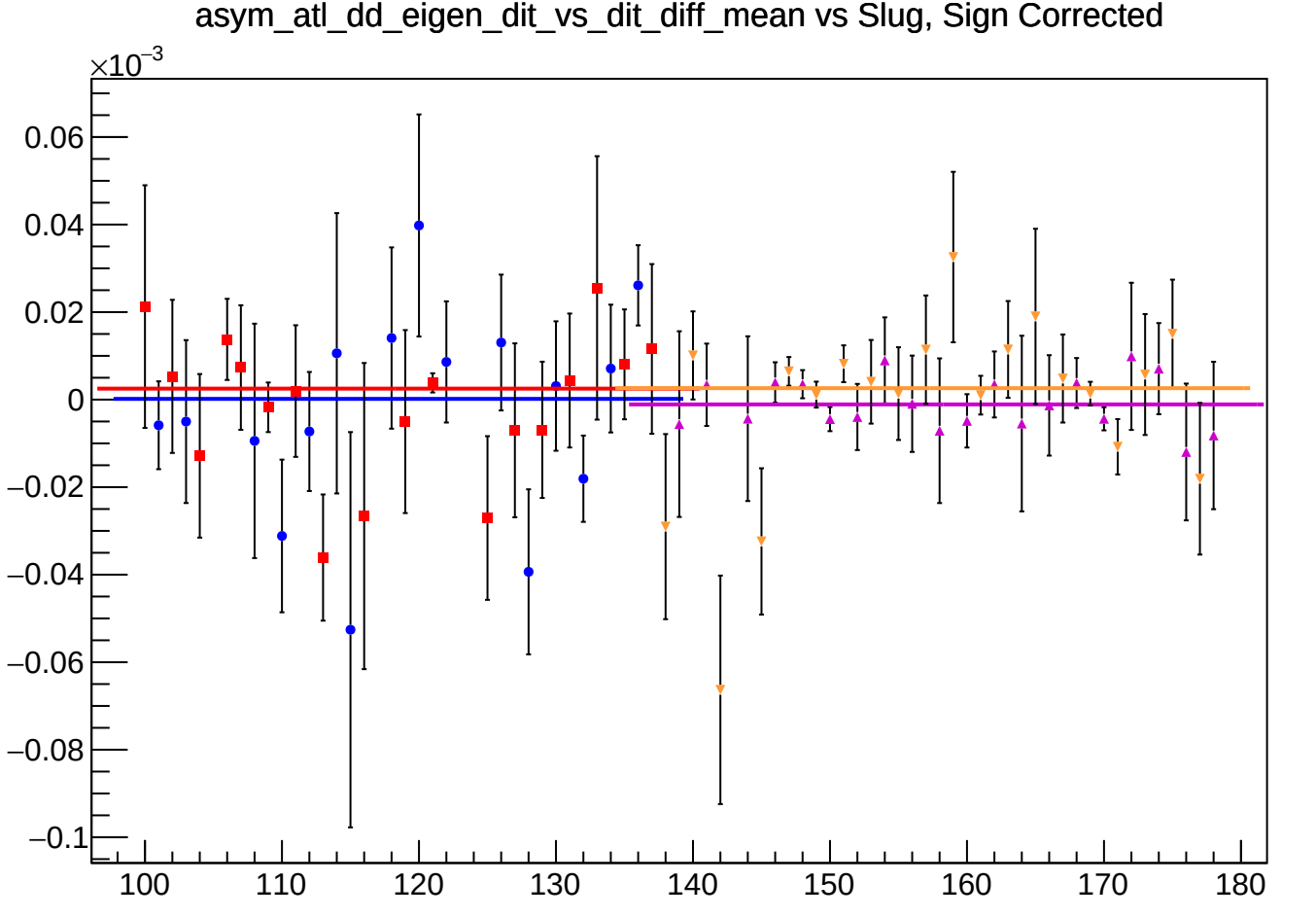
Left: 288.408+/-0.039 χ^2/NDF: 8367749.4/40

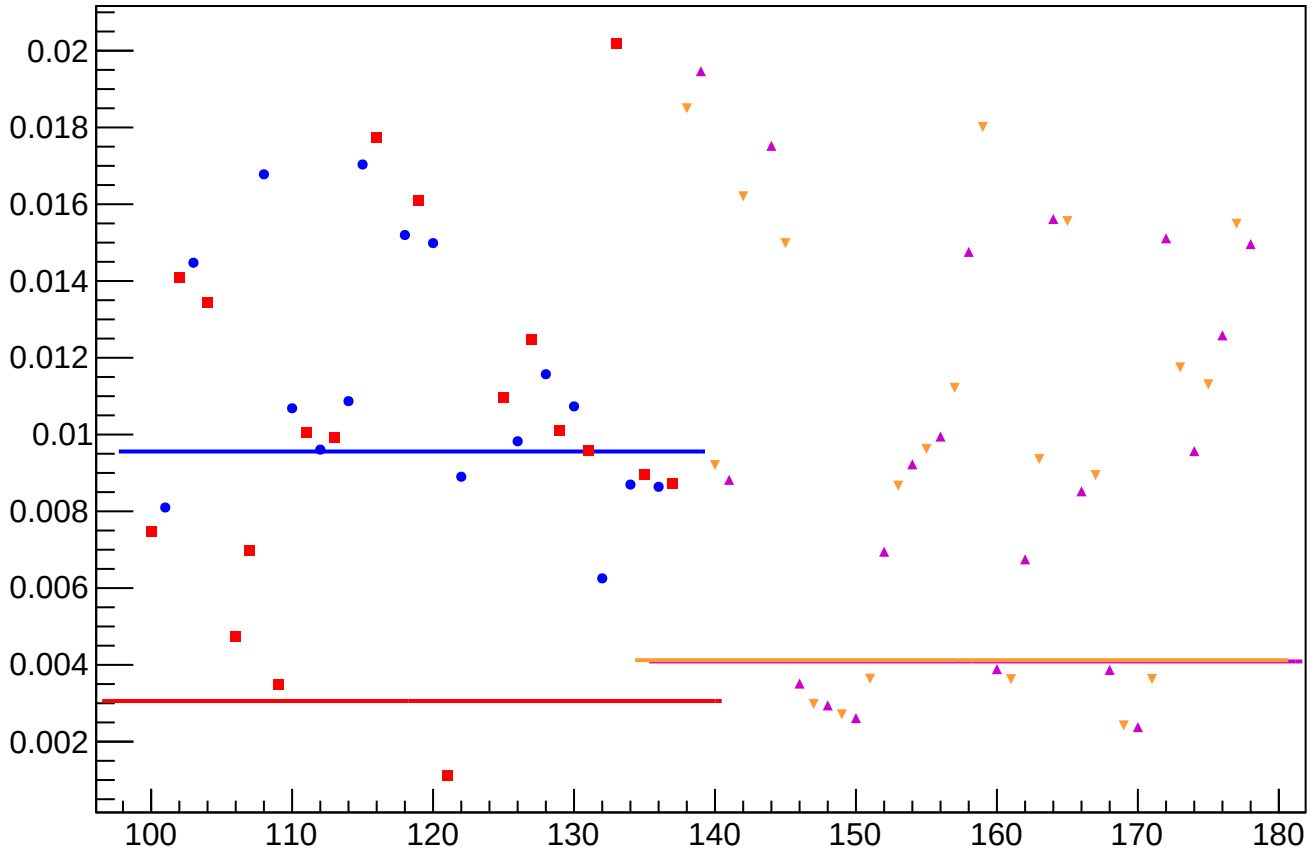
Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 155.875+/-0.028 χ^2/NDF:13528974.3/35

Out: 146.024+/-0.027 χ^2/NDF:16102579.4/39

All: 150.809+/-0.019 χ^2/NDF: 29697132.2/75


asym_atl_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 25.6/15
Left Out: 0.000+/-0.000 χ²/NDF:29.1/19
Right Out: 0.000+/-0.000 χ²/NDF: 15.8/17
Left In: -0.000+/-0.000 χ²/NDF:11.1/19
Left: 0.000+/-0.000 χ²/NDF: 44.1/39
Right: 0.000+/-0.000 χ²/NDF: 41.7/33
In: -0.000+/-0.000 χ²/NDF:36.8/35
Out: 0.000+/-0.000 χ²/NDF:44.9/37
All: 0.000+/-0.000 χ²/NDF: 86.3/73



Right In: 0.010+/-0.000 χ^2/NDF: 926018.8/15

Left Out: 0.004+/-0.000 χ^2/NDF:10630594.1/19

Right Out: 0.003+/-0.000 χ^2/NDF: 8122378.4/17

Left In: 0.004+/-0.000 χ^2/NDF:10547945.1/19

Left: 0.004+/-0.000 χ^2/NDF: 21179154.7/39

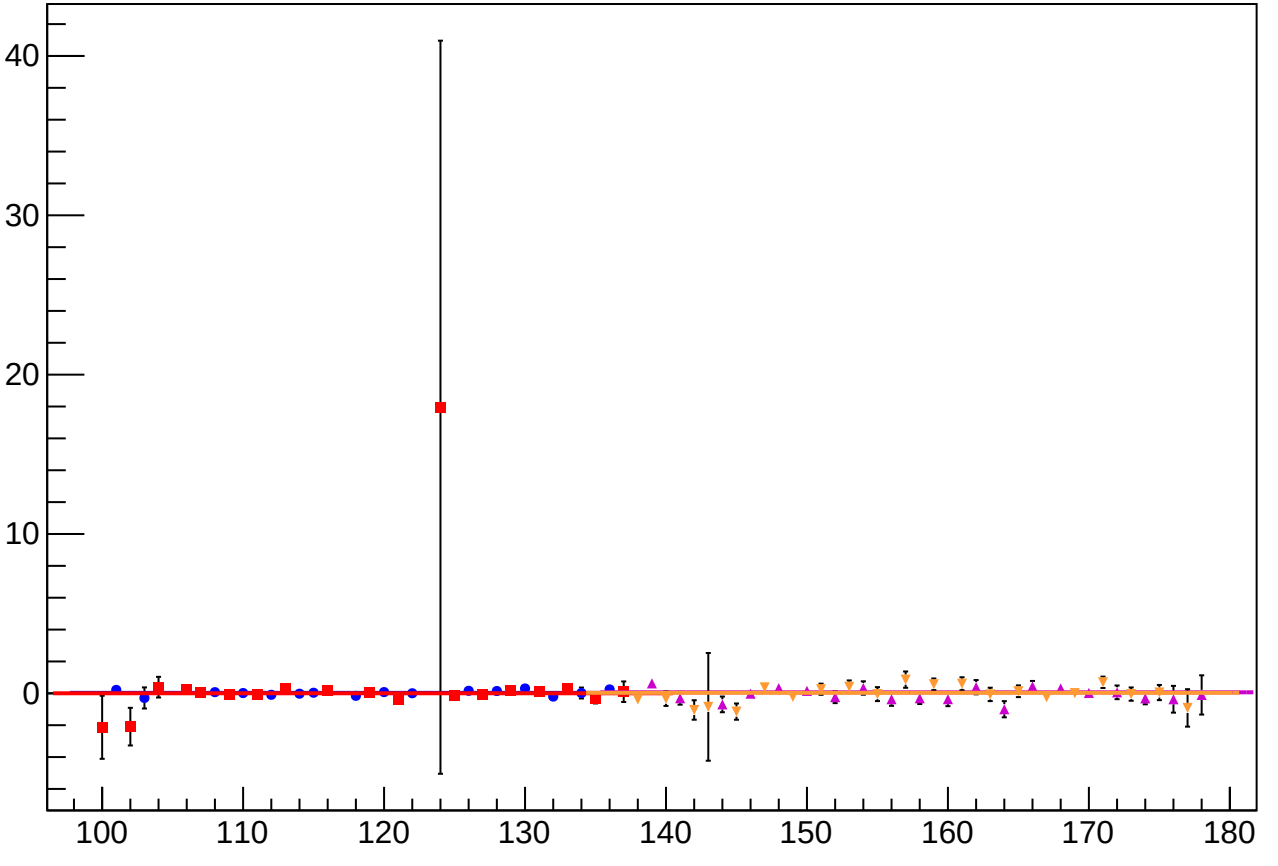
Right: 0.004+/-0.000 χ^2/NDF: 13944710.4/33

In: 0.005+/-0.000 χ^2/NDF:15299078.5/35

Out: 0.004+/-0.000 χ^2/NDF:19193642.6/37

All: 0.004+/-0.000 χ^2/NDF: 35149136.0/73

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:22.5/19

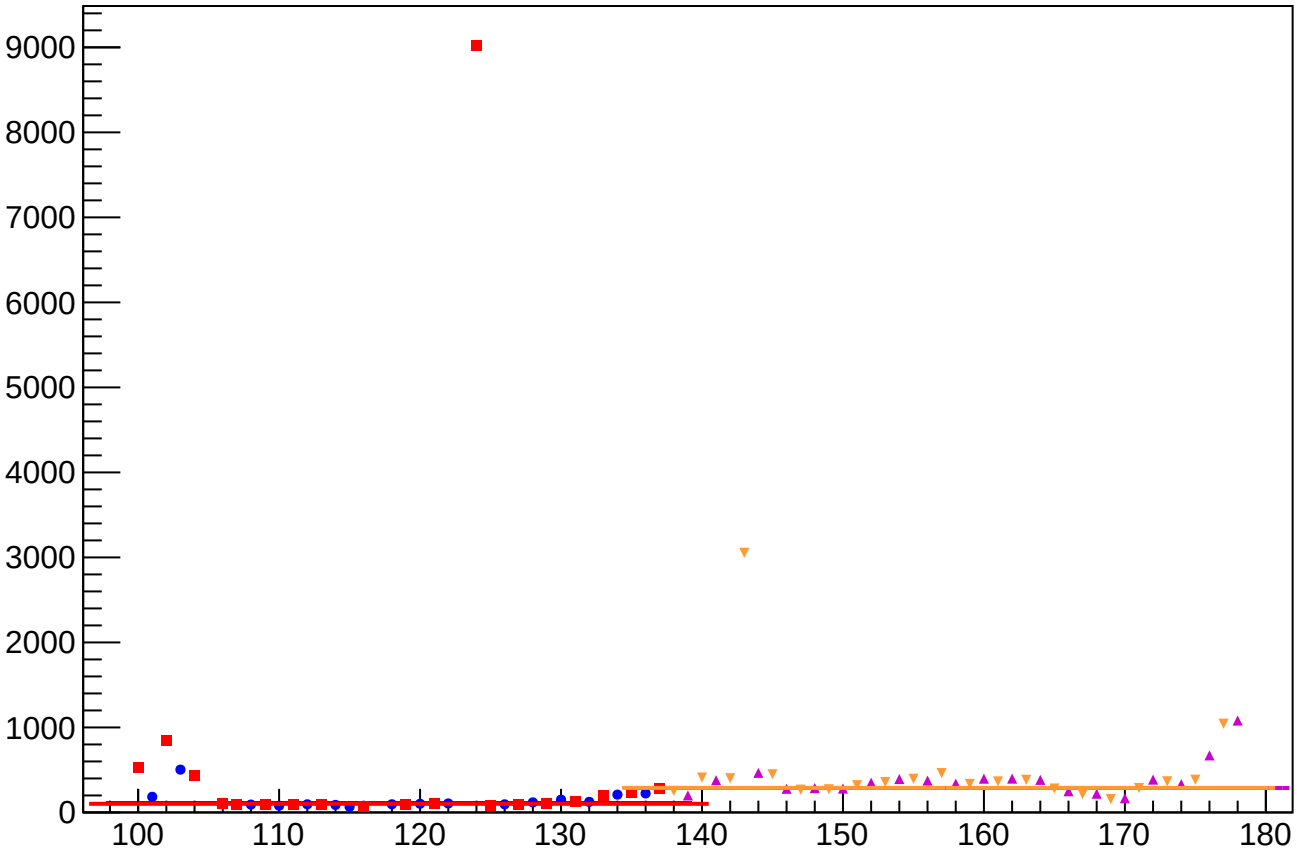
Left: 0.049+/-0.055 χ^2/NDF: 49.5/40

Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.037+/-0.039 χ^2/NDF:31.5/35

Out: 0.010+/-0.038 χ^2/NDF:49.5/39

All: 0.023+/-0.027 χ^2/NDF: 81.2/75



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: 287.546+/-0.054 χ^2/NDF:3658031.0/19

Left: 288.410+/-0.039 χ^2/NDF: 8367751.5/40

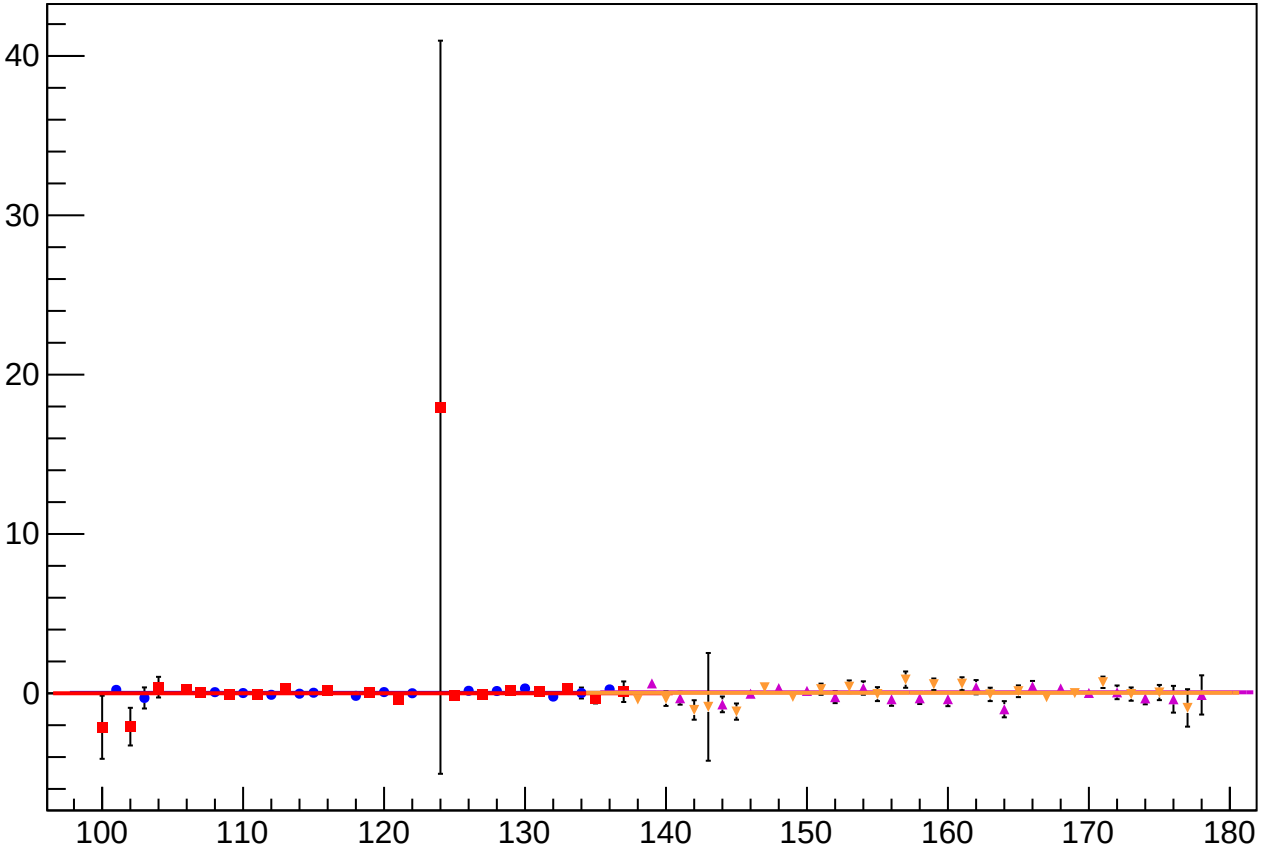
Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 155.876+/-0.028 χ^2/NDF:13528913.6/35

Out: 146.025+/-0.027 χ^2/NDF:16102454.2/39

All: 150.811+/-0.019 χ^2/NDF: 29696940.9/75

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:22.5/19

Left: 0.049+/-0.055 χ^2/NDF: 49.5/40

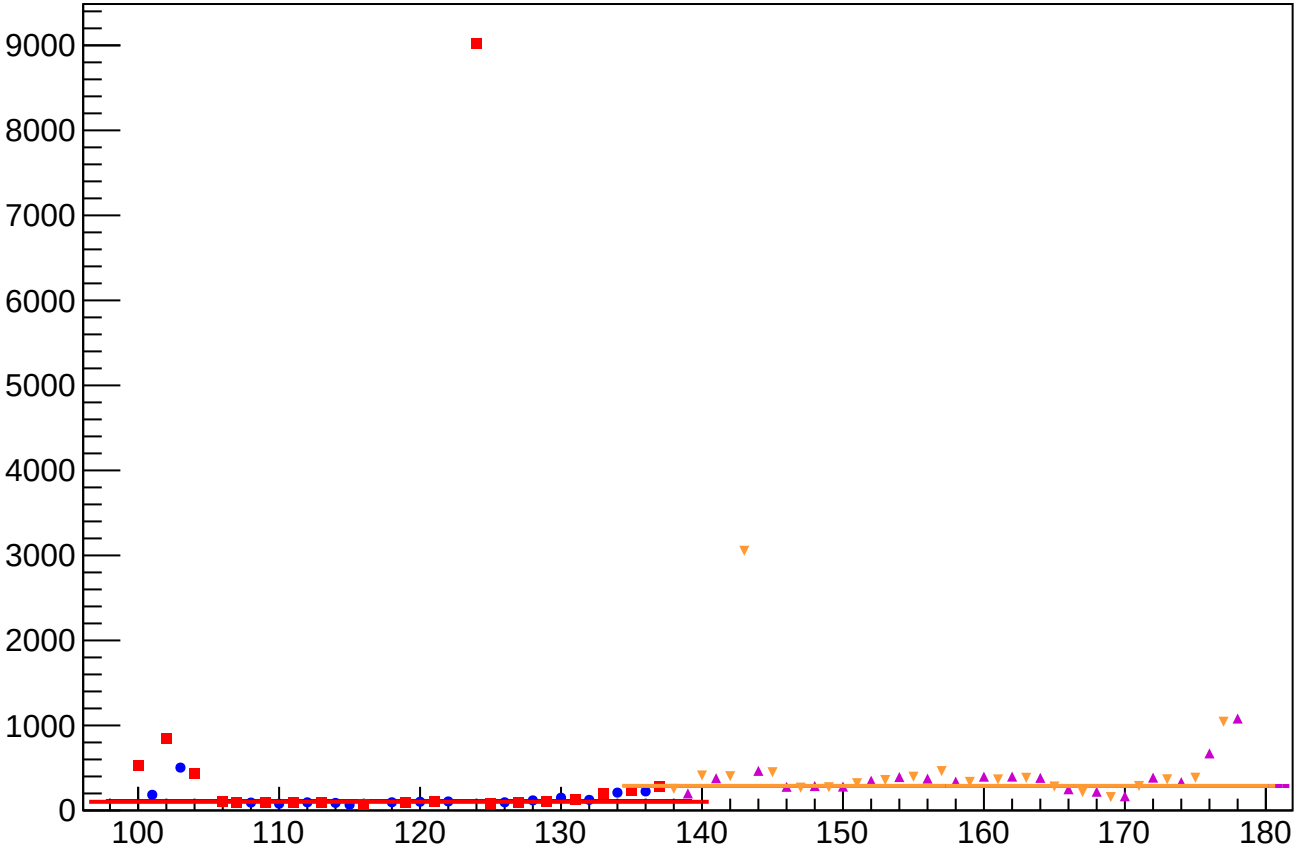
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.037+/-0.039 χ^2/NDF:31.5/35

Out: 0.010+/-0.038 χ^2/NDF:49.5/39

All: 0.023+/-0.027 χ^2/NDF: 81.2/75

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: 287.546+/-0.054 χ^2/NDF:3658031.0/19

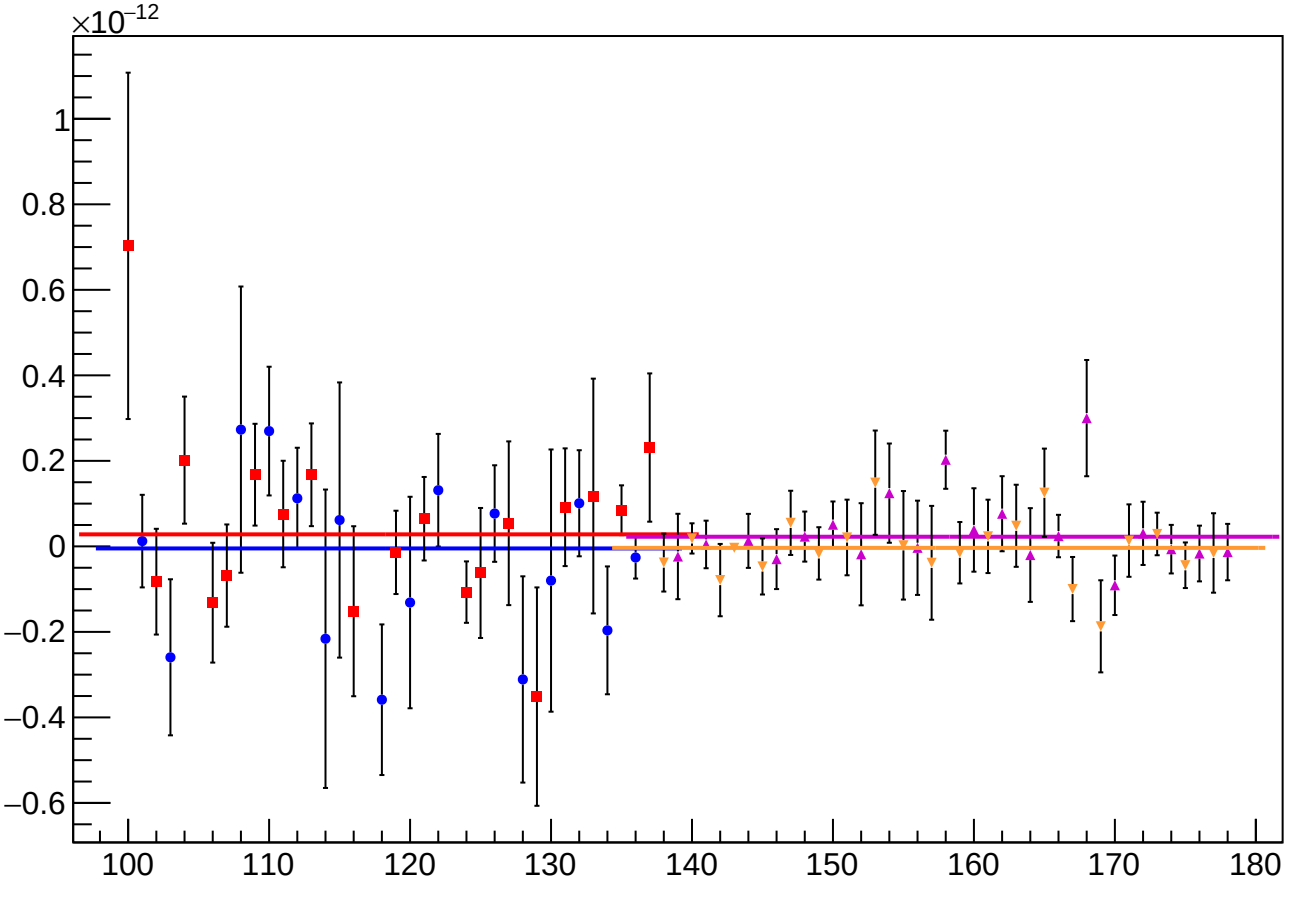
Left: 288.410+/-0.039 χ^2/NDF: 8367751.5/40

Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 155.876+/-0.028 χ^2/NDF:13528913.6/35

Out: 146.025+/-0.027 χ^2/NDF:16102454.2/39

All: 150.811+/-0.019 χ^2/NDF: 29696940.9/75



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:17.5/19

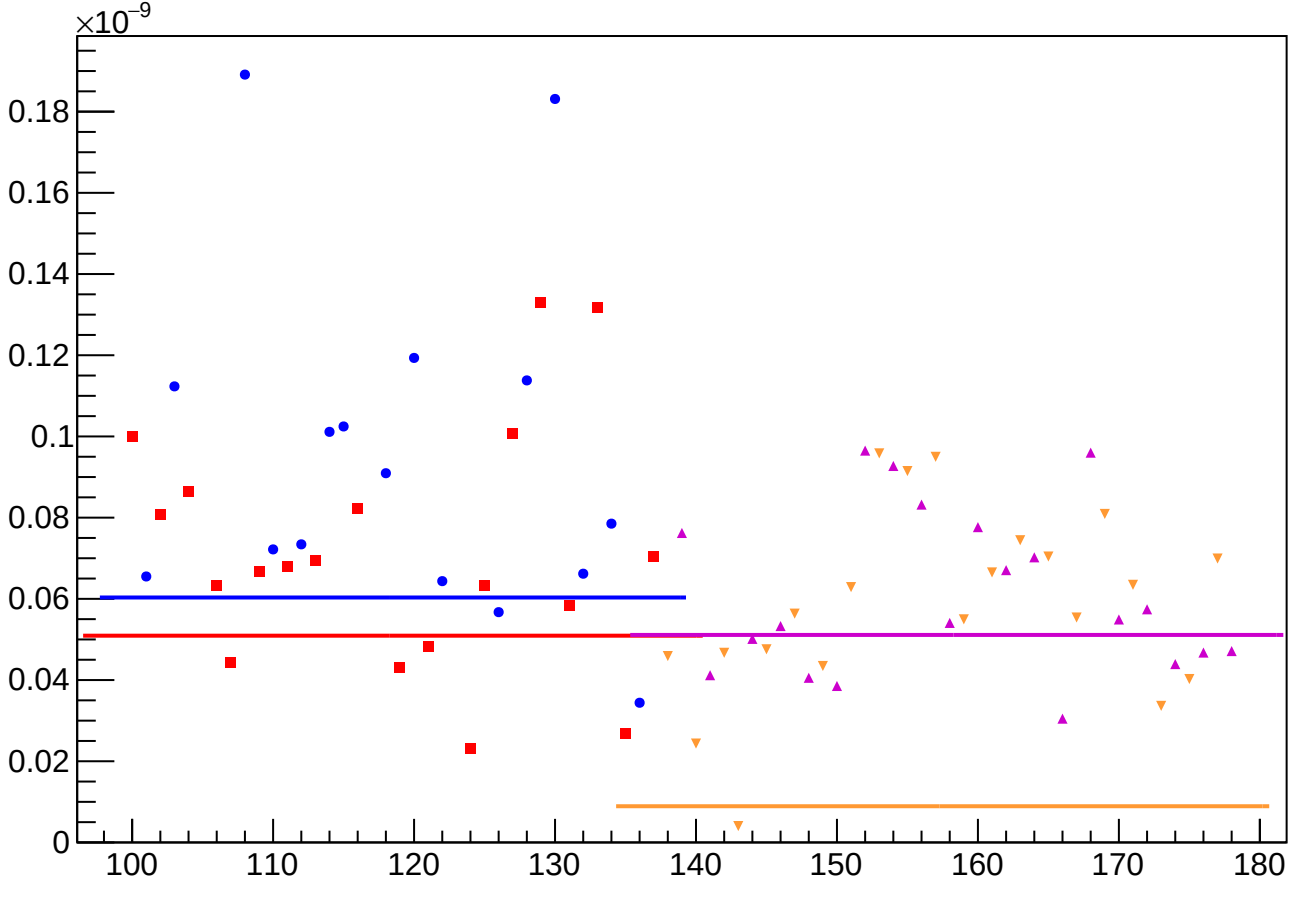
Left: -0.000+/-0.000 χ^2/NDF: 31.7/40

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:35.5/35

Out: -0.000+/-0.000 χ^2/NDF:32.8/39

All: -0.000+/-0.000 χ^2/NDF: 69.9/75



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:1991833.1/19

Left: 0.000+/-0.000 χ^2/NDF: 30859078.0/40

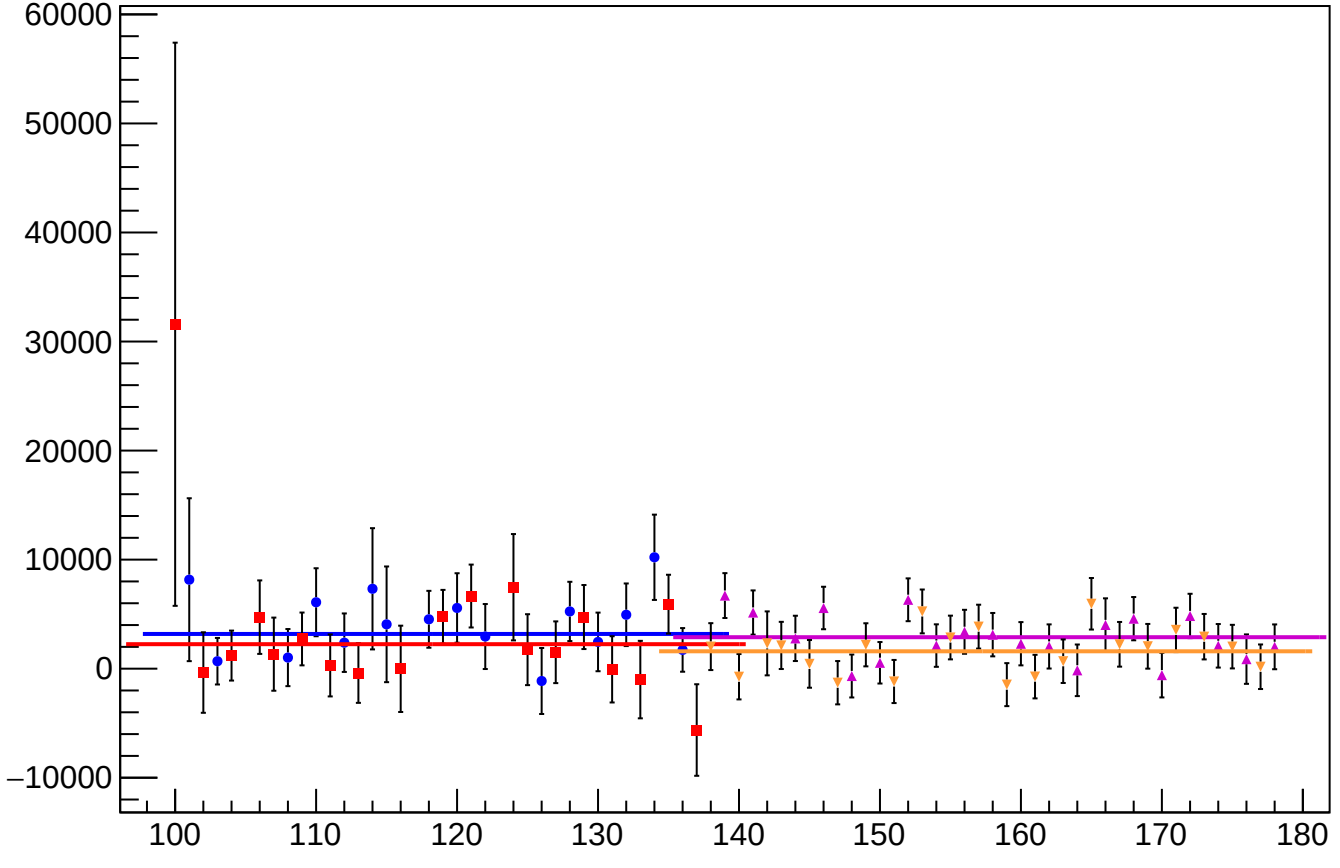
Right: 0.000+/-0.000 χ^2/NDF: 3514375.8/34

In: 0.000+/-0.000 χ^2/NDF:3872439.0/35

Out: 0.000+/-0.000 χ^2/NDF:22623055.7/39

All: 0.000+/-0.000 χ^2/NDF: 42116133.7/75

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: 2885.901+/-456.725 χ^2/NDF:22.5/19

Left: 2234.536+/-321.652 χ^2/NDF: 46.7/40

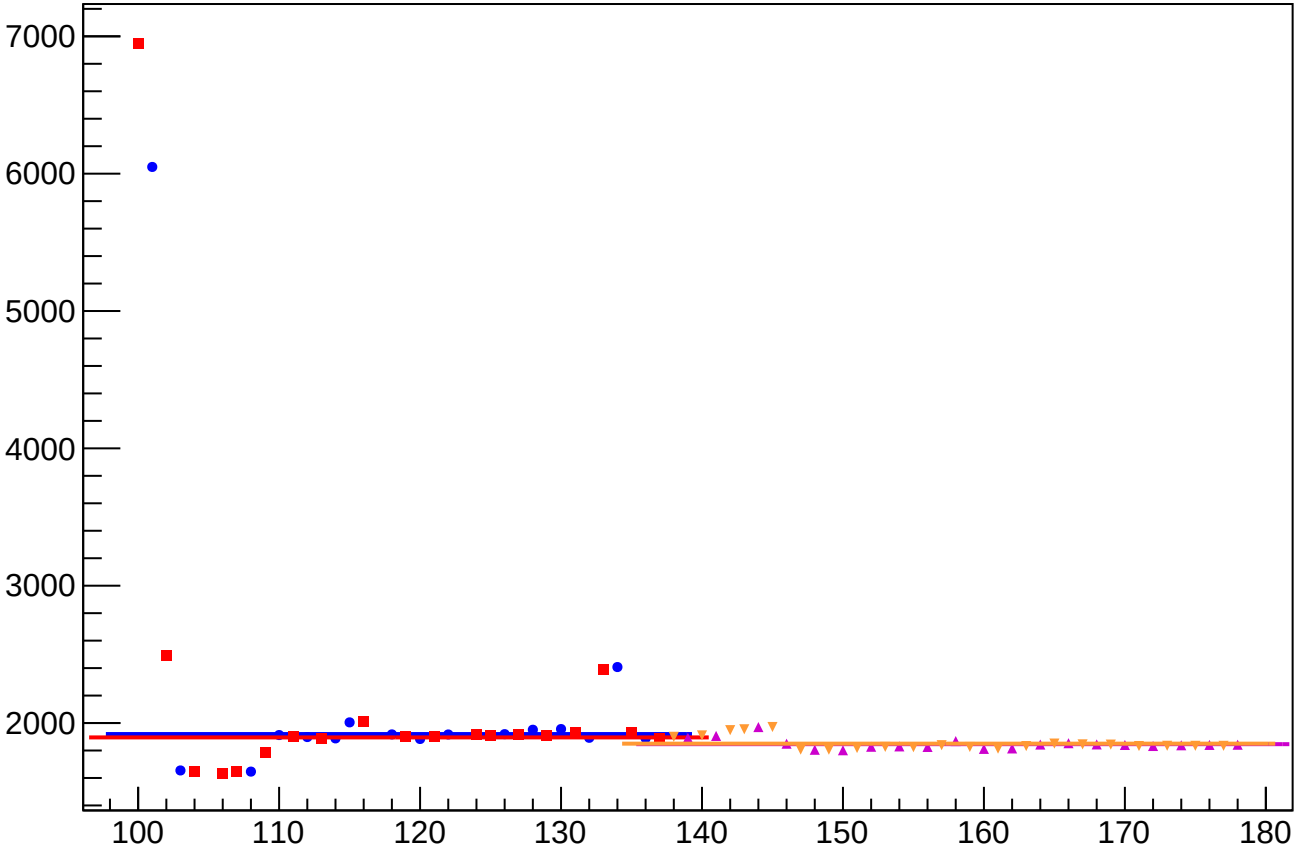
Right: 2701.735+/-509.689 χ^2/NDF: 29.1/34

In: 2969.492+/-387.357 χ^2/NDF:34.3/35

Out: 1782.030+/-382.073 χ^2/NDF:37.3/39

All: 2367.606+/-272.015 χ^2/NDF: 76.3/75

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: 1846.146+/-0.323 χ^2/NDF:13914.6/19

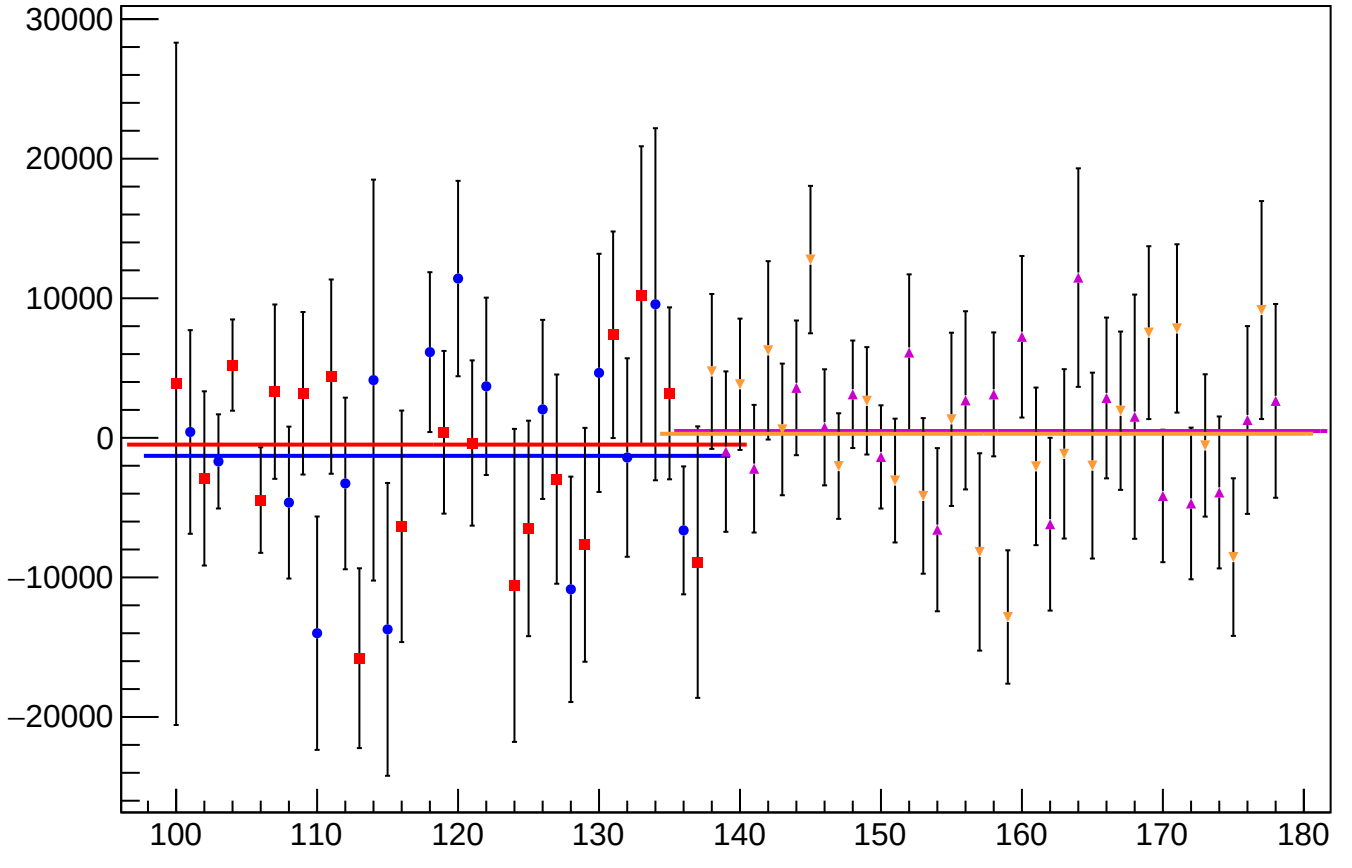
Left: 1848.048+/-0.227 χ^2/NDF: 34587.1/40

Right: 1907.209+/-0.360 χ^2/NDF: 920760.5/34

In: 1866.828+/-0.274 χ^2/NDF:725856.5/35

Out: 1863.110+/-0.270 χ^2/NDF:248717.7/39

All: 1864.941+/-0.192 χ^2/NDF: 974667.7/75



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: 290.507+/-1158.437 χ^2/NDF:25.8/20

Right Out: -485.214+/-1437.465 χ^2/NDF: 17.2/18

Left In: 486.256+/-1173.465 χ^2/NDF:11.8/19

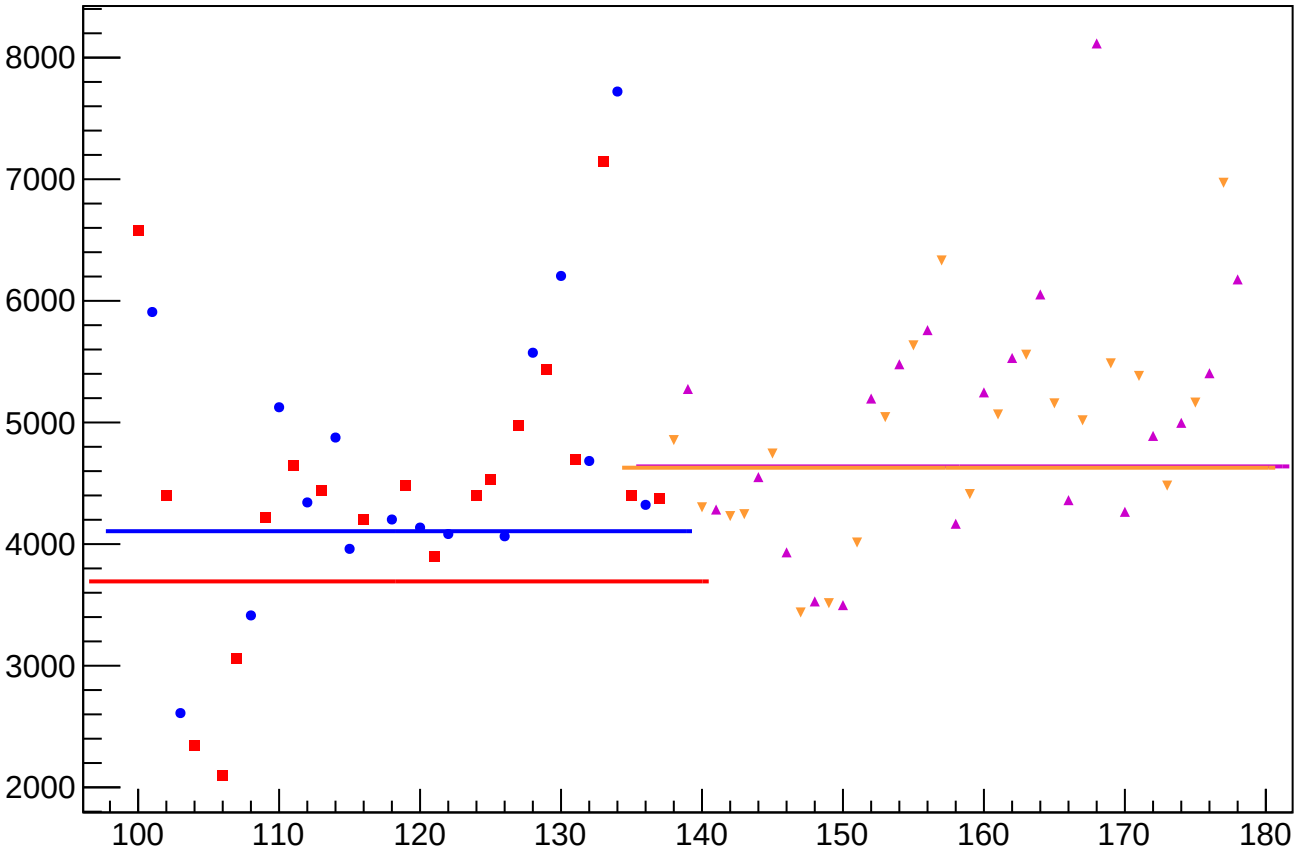
Left: 387.120+/-824.401 χ^2/NDF: 37.6/40

Right: -848.531+/-1064.920 χ^2/NDF: 31.6/34

In: -142.596+/-943.211 χ^2/NDF:26.9/35

Out: -14.926+/-901.990 χ^2/NDF:43.2/39

All: -75.910+/-651.889 χ^2/NDF: 70.1/75



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: 4638.790+/-0.830 χ^2/NDF:1195504.9/19

Left: 4633.382+/-0.583 χ^2/NDF: 2168871.4/40

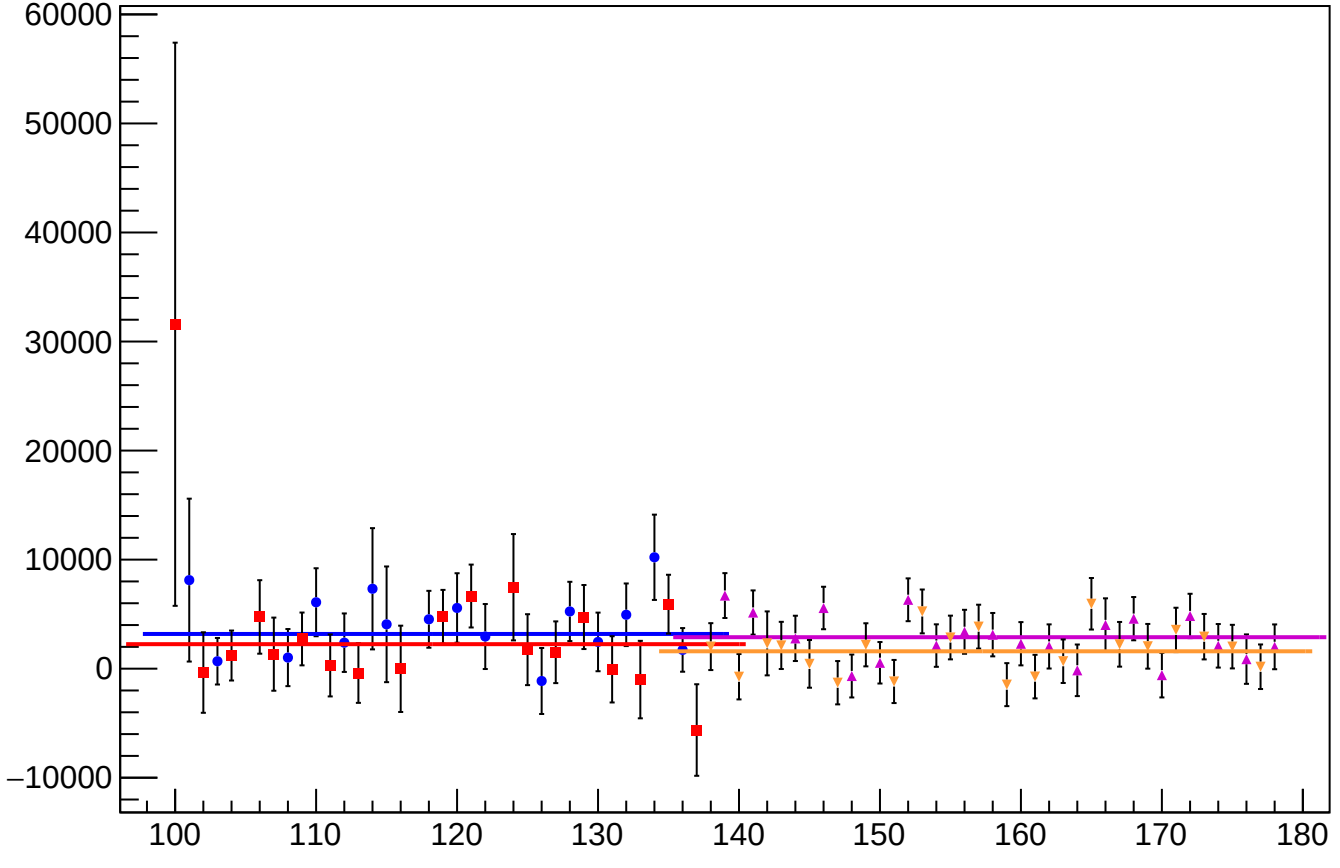
Right: 3879.542+/-0.753 χ^2/NDF: 2387214.5/34

In: 4450.268+/-0.667 χ^2/NDF:2297480.8/35

Out: 4260.026+/-0.638 χ^2/NDF:2842757.2/39

All: 4350.899+/-0.461 χ^2/NDF: 5182735.8/75

cor_asym_atr_avg_mean vs Slug, Sign Corrected



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: 2885.869+/-456.725 χ^2/NDF:22.5/19

Left: 2234.488+/-321.652 χ^2/NDF: 46.7/40

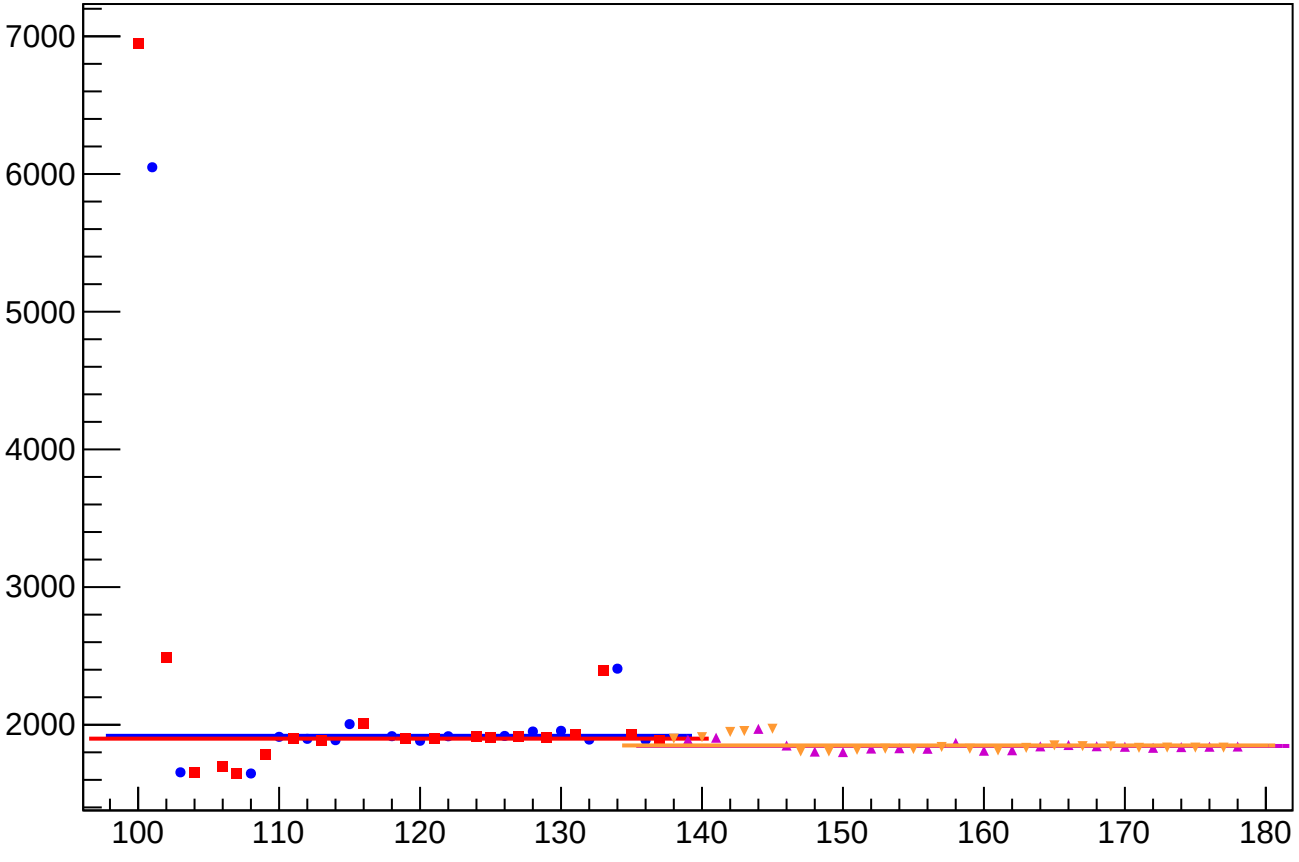
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 2969.264+/-387.357 χ^2/NDF:34.3/35

Out: 1782.311+/-382.073 χ^2/NDF:37.3/39

All: 2367.636+/-272.016 χ^2/NDF: 76.4/75

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: 1846.146+/-0.323 χ^2/NDF:13914.6/19

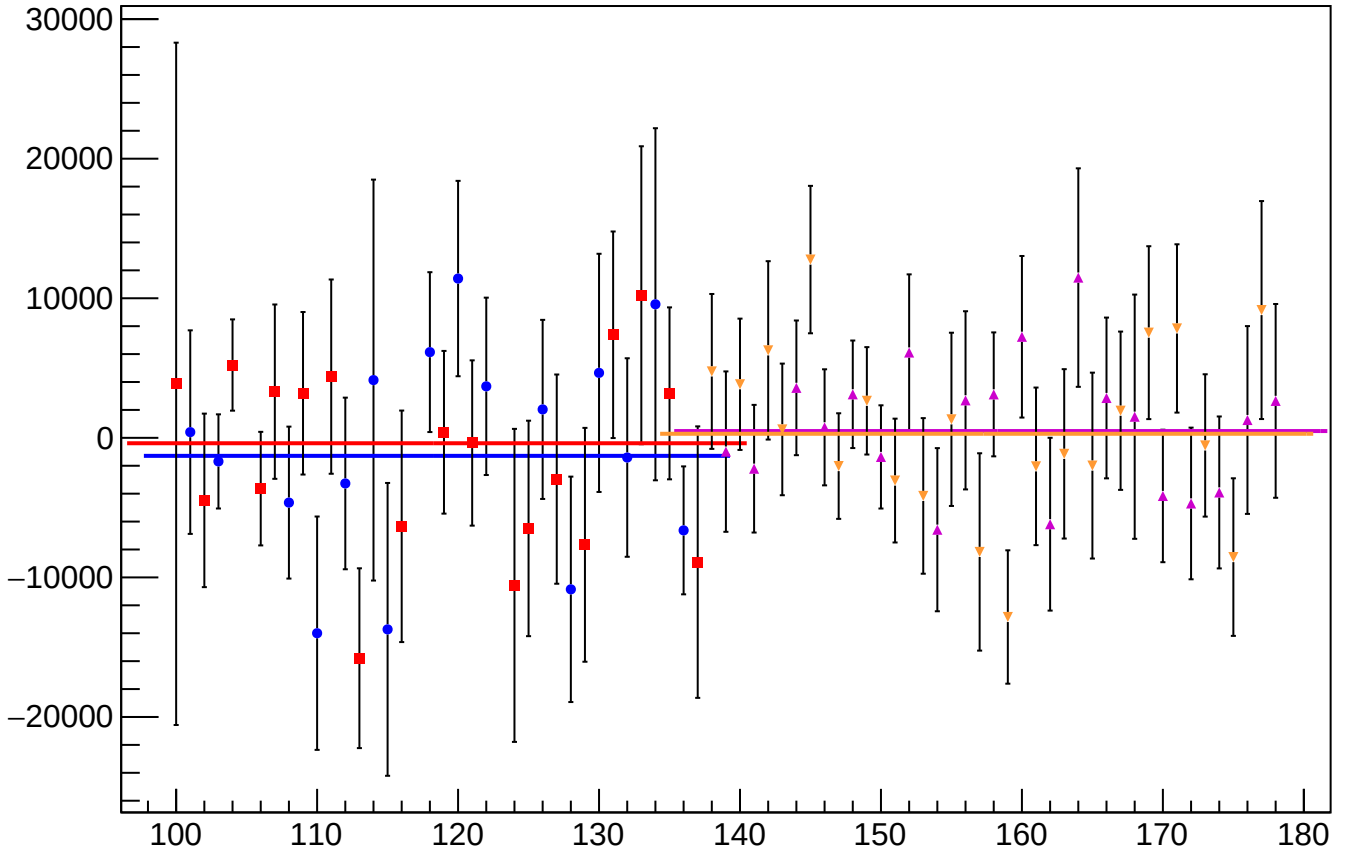
Left: 1848.048+/-0.227 χ^2/NDF: 34587.1/40

Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1866.828+/-0.274 χ^2/NDF:725855.8/35

Out: 1864.233+/-0.270 χ^2/NDF:243153.4/39

All: 1865.512+/-0.192 χ^2/NDF: 969054.7/75



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: 486.261+/-1173.466 χ^2/NDF:11.8/19

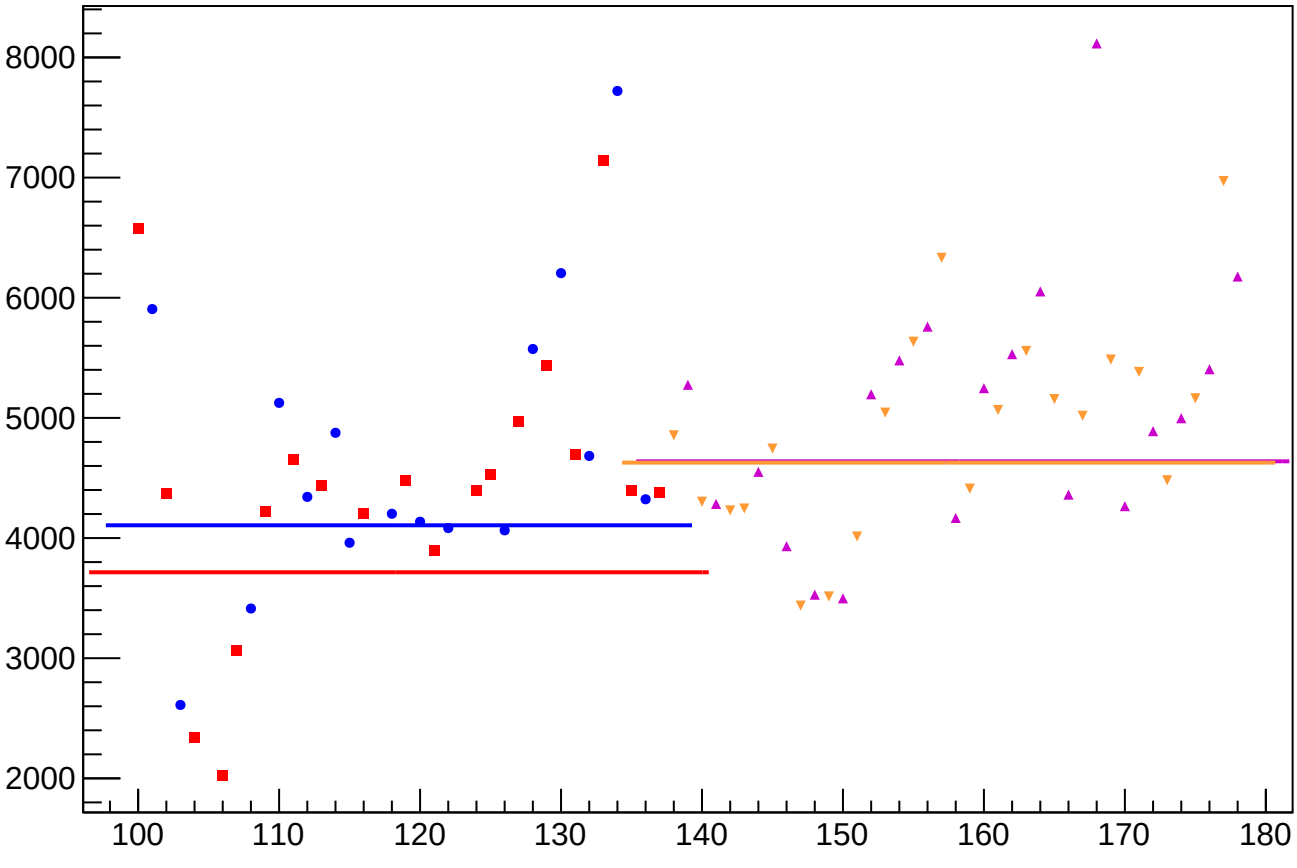
Left: 387.113+/-824.400 χ^2/NDF: 37.6/40

Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

In: -142.723+/-943.212 χ^2/NDF:26.9/35

Out: 26.635+/-905.434 χ^2/NDF:42.9/39

All: -54.584+/-653.186 χ^2/NDF: 69.8/75



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: 4638.793+/-0.830 χ^2/NDF:1195502.1/19

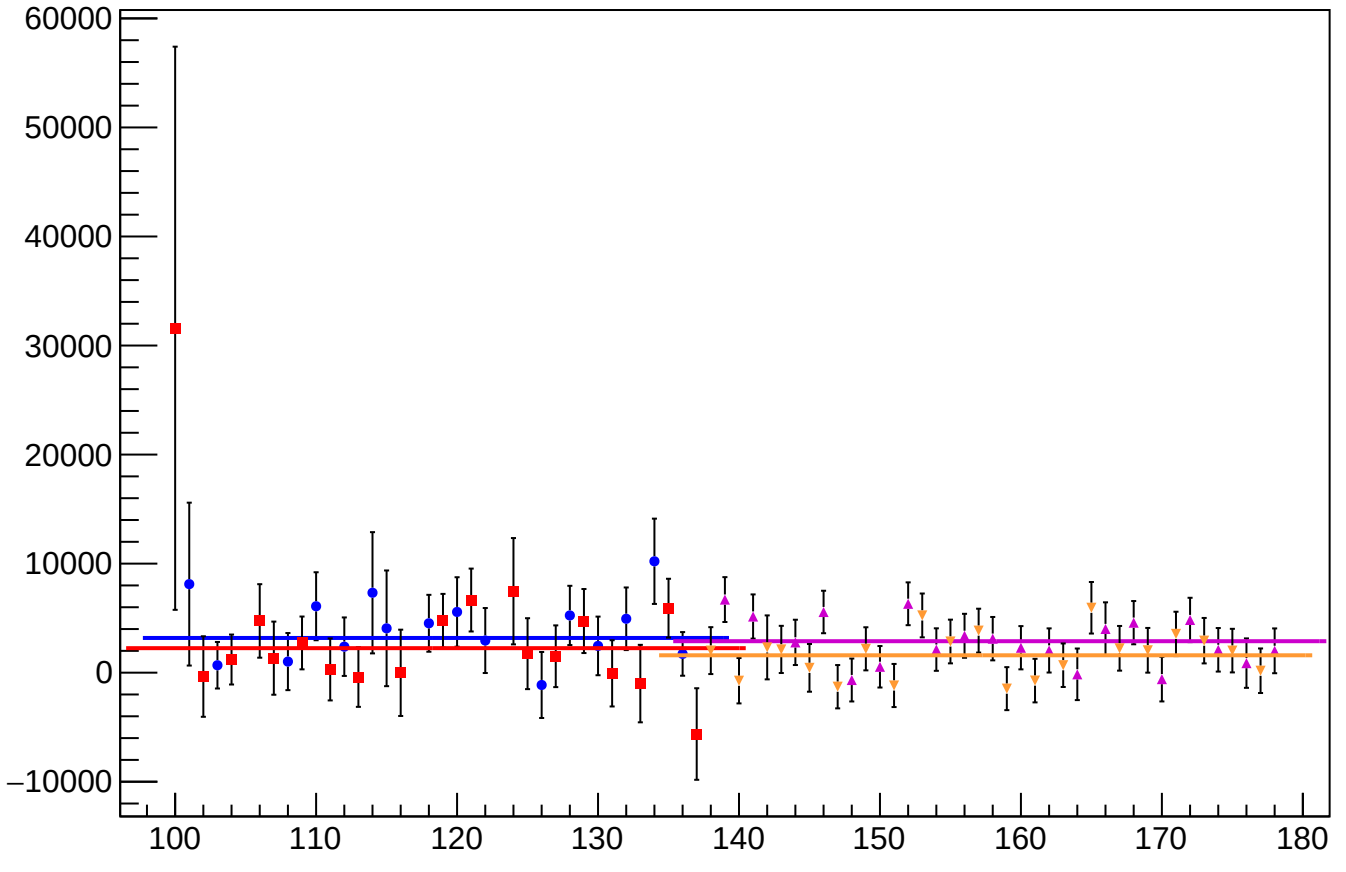
Left: 4633.378+/-0.583 χ^2/NDF: 2168887.1/40

Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4450.303+/-0.667 χ^2/NDF:2296929.6/35

Out: 4272.893+/-0.640 χ^2/NDF:2791675.7/39

All: 4357.974+/-0.462 χ^2/NDF: 5125429.1/75



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: 2885.869+/-456.725 χ^2/NDF:22.5/19

Left: 2234.488+/-321.652 χ^2/NDF: 46.7/40

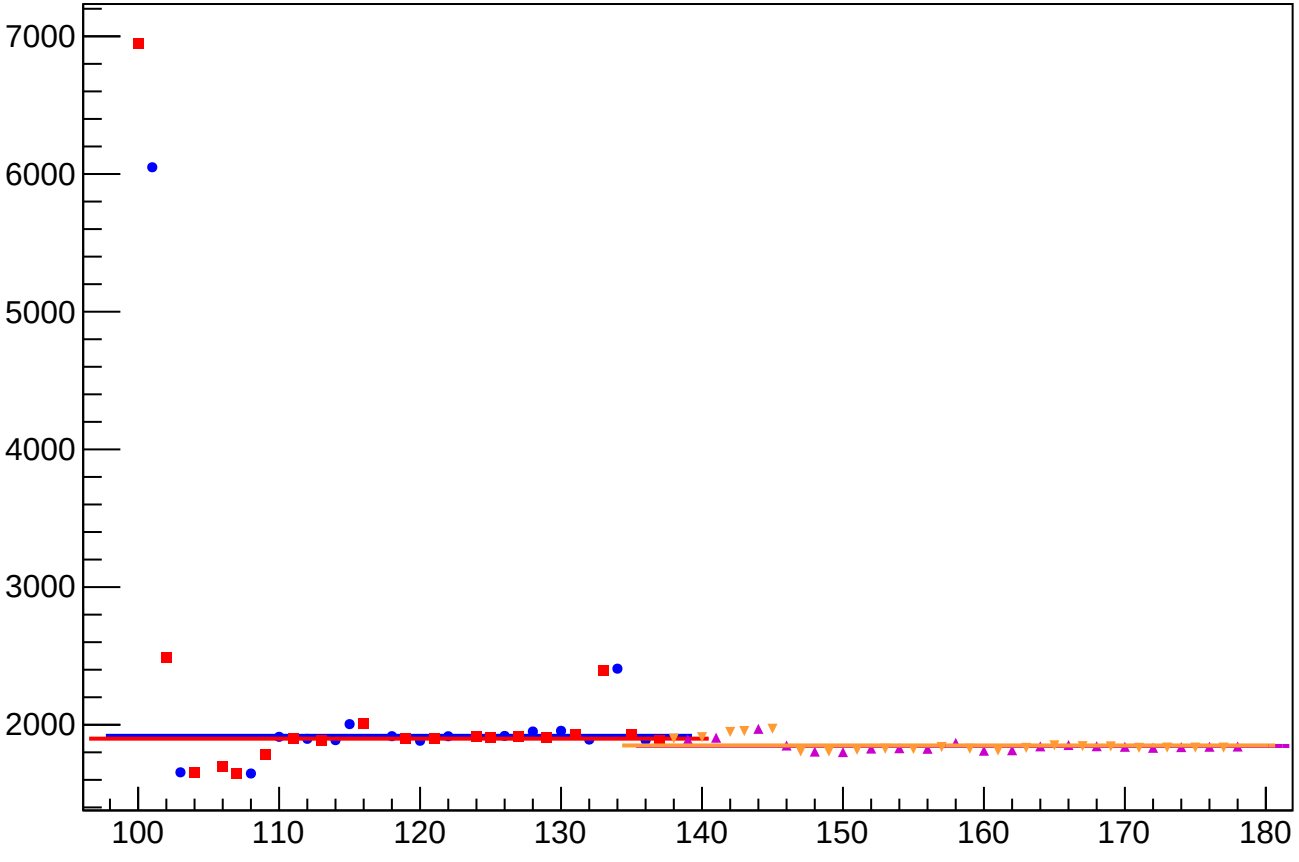
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 2969.264+/-387.357 χ^2/NDF:34.3/35

Out: 1782.311+/-382.073 χ^2/NDF:37.3/39

All: 2367.636+/-272.016 χ^2/NDF: 76.4/75

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: 1846.146+/-0.323 χ^2/NDF:13914.6/19

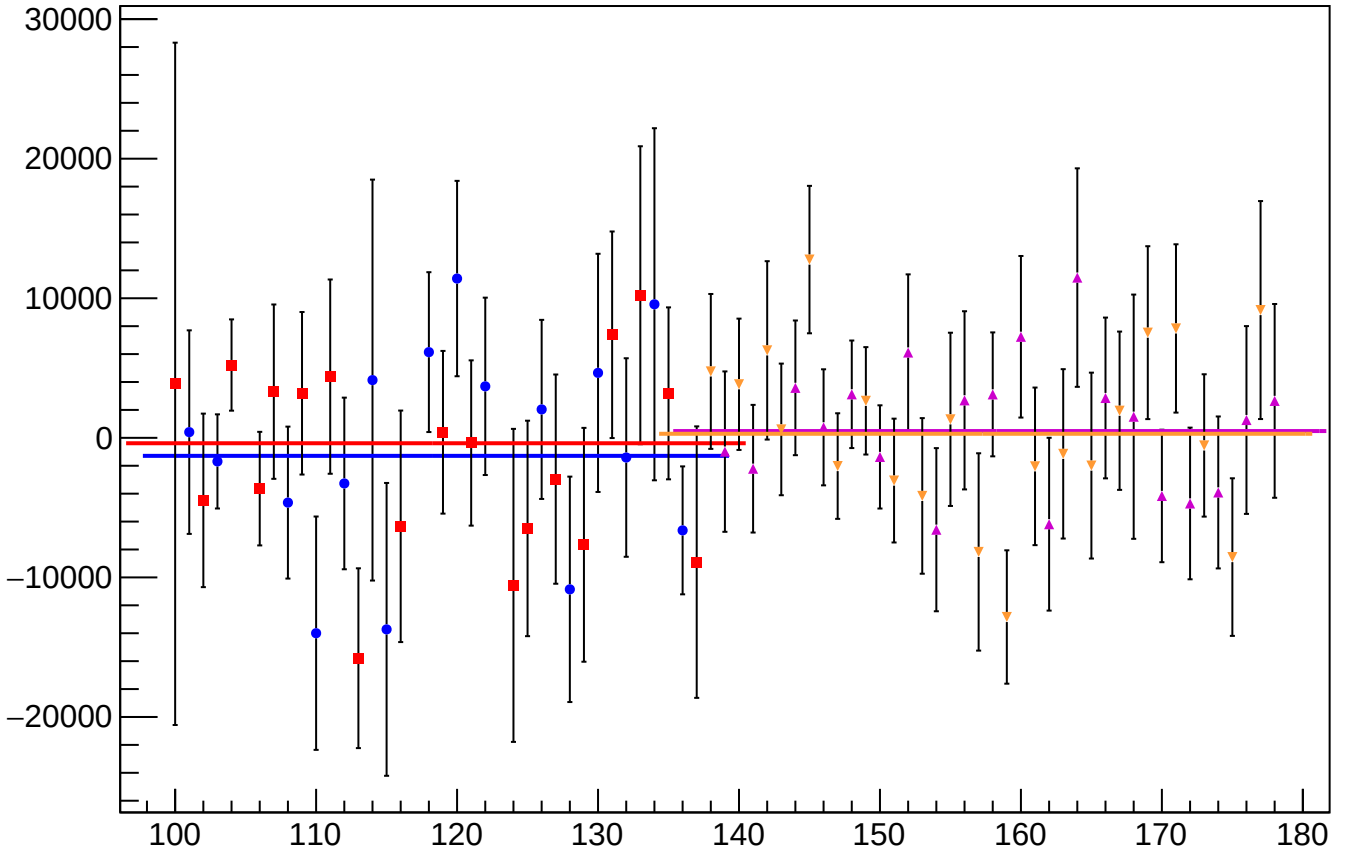
Left: 1848.048+/-0.227 χ^2/NDF: 34587.1/40

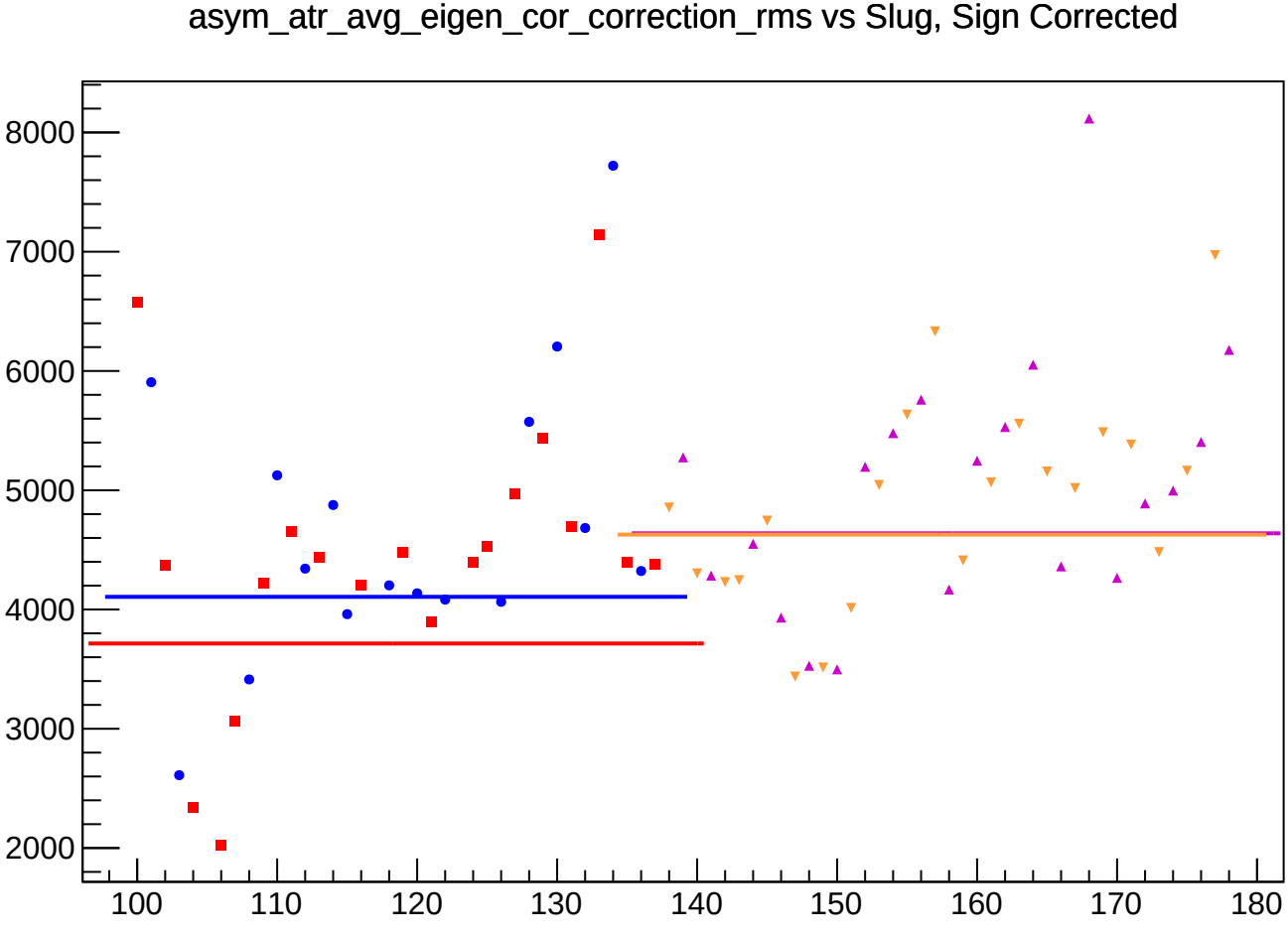
Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1866.828+/-0.274 χ^2/NDF:725855.8/35

Out: 1864.233+/-0.270 χ^2/NDF:243153.4/39

All: 1865.512+/-0.192 χ^2/NDF: 969054.7/75


asym_atr_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: -1290.862+/-1585.435 χ²/NDF: 14.3/15
Left Out: 290.490+/-1158.435 χ²/NDF:25.8/20
Right Out: -387.626+/-1451.530 χ²/NDF: 17.0/18
Left In: 486.261+/-1173.466 χ²/NDF:11.8/19
Left: 387.113+/-824.400 χ²/NDF: 37.6/40
Right: -799.497+/-1070.602 χ²/NDF: 31.4/34
In: -142.723+/-943.212 χ²/NDF:26.9/35
Out: 26.635+/-905.434 χ²/NDF:42.9/39
All: -54.584+/-653.186 χ²/NDF: 69.8/75



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: 4638.793+/-0.830 χ^2/NDF:1195502.1/19

Left: 4633.378+/-0.583 χ^2/NDF: 2168887.1/40

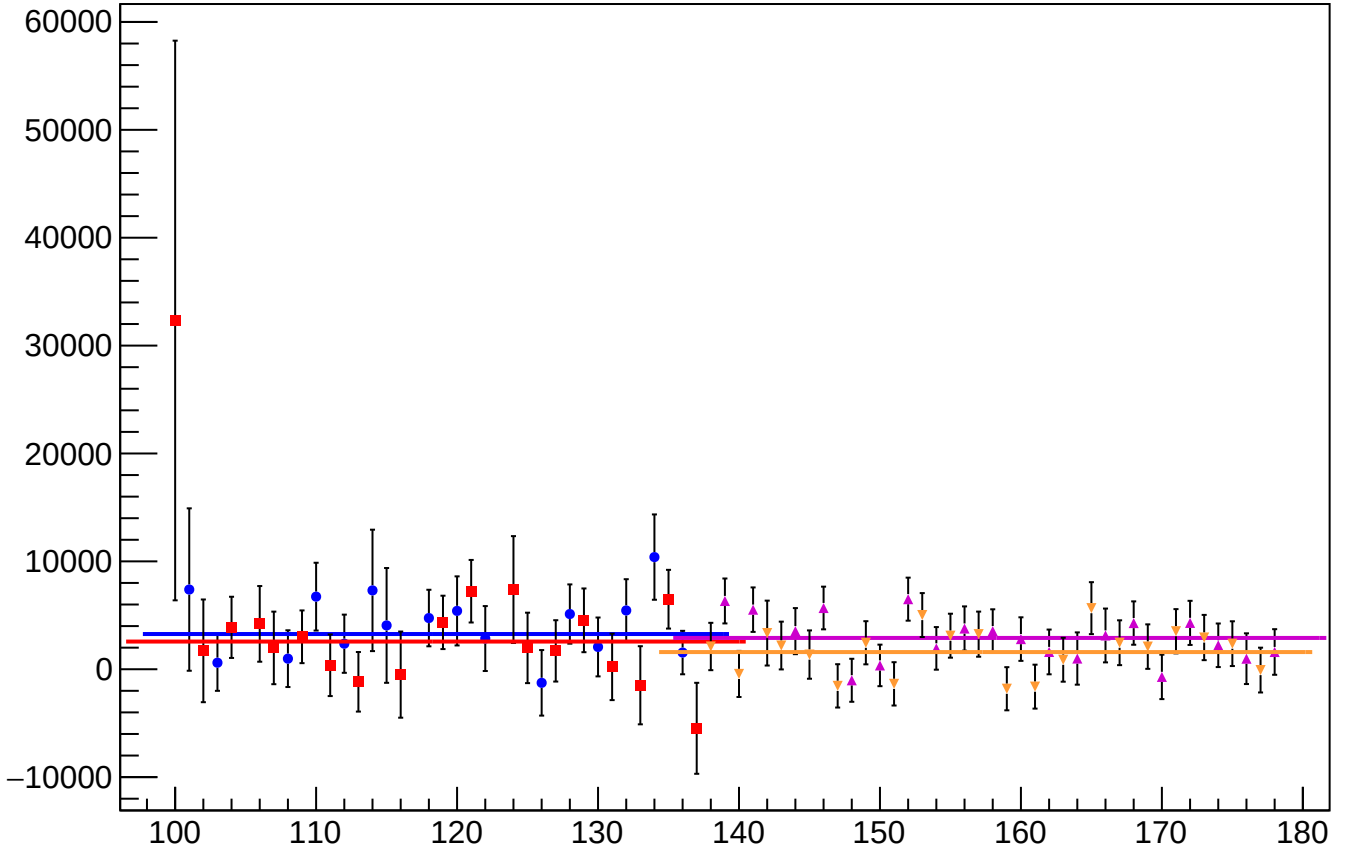
Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4450.303+/-0.667 χ^2/NDF:2296929.6/35

Out: 4272.893+/-0.640 χ^2/NDF:2791675.7/39

All: 4357.974+/-0.462 χ^2/NDF: 5125429.1/75

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: 2901.714+/-464.552 χ^2/NDF:22.0/19

Left: 2242.573+/-327.359 χ^2/NDF: 46.8/40

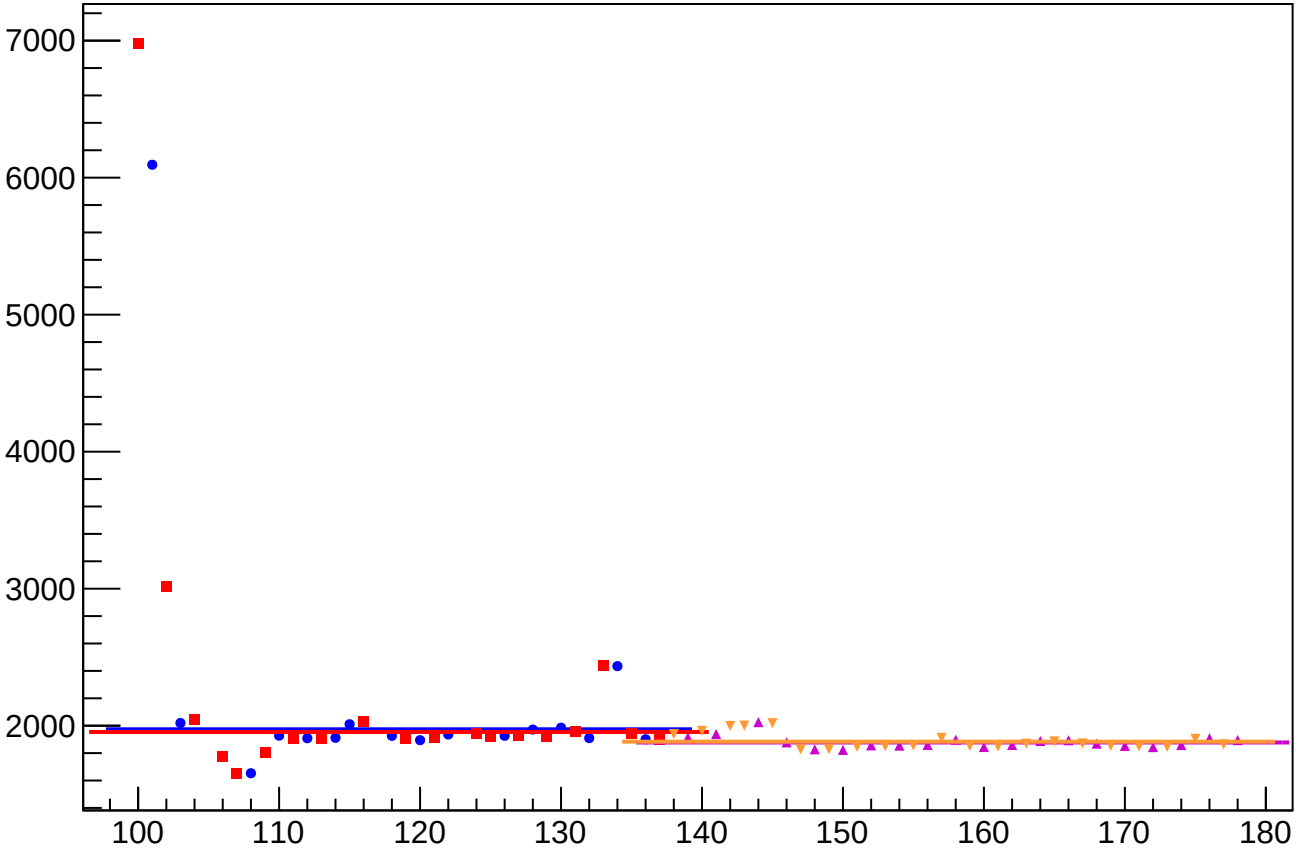
Right: 2908.151+/-525.197 χ^2/NDF: 29.6/34

In: 3002.178+/-395.056 χ^2/NDF:34.3/35

Out: 1867.867+/-390.748 χ^2/NDF:39.1/39

All: 2428.804+/-277.811 χ^2/NDF: 77.6/75

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: 1877.564+/-0.328 χ^2/NDF:18105.7/19

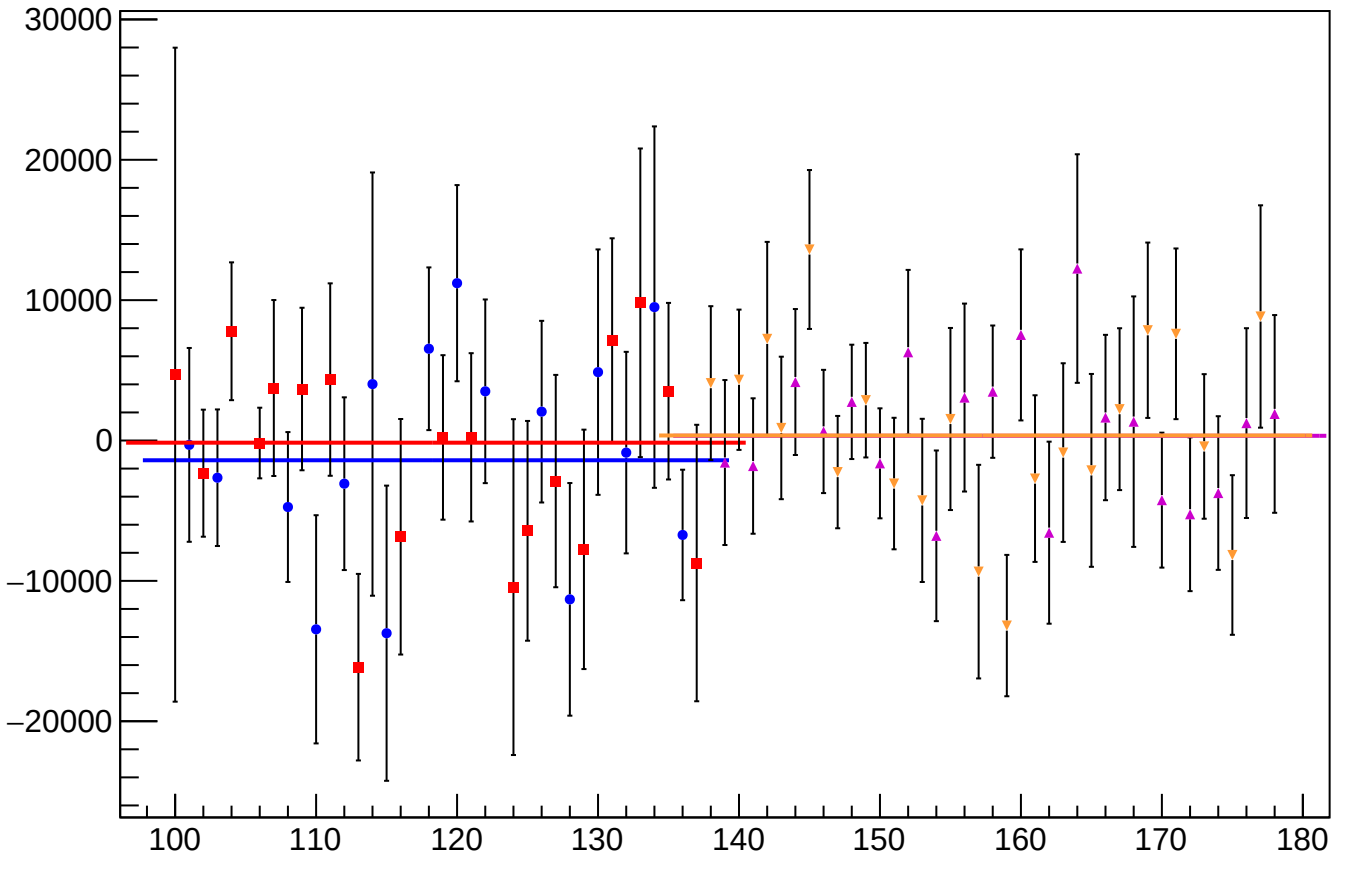
Left: 1880.563+/-0.231 χ^2/NDF: 46373.6/40

Right: 1963.826+/-0.371 χ^2/NDF: 912018.7/34

In: 1904.189+/-0.279 χ^2/NDF:706963.6/35

Out: 1903.569+/-0.276 χ^2/NDF:287652.3/39

All: 1903.875+/-0.196 χ^2/NDF: 994618.4/75



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: 335.919+/-1222.803 χ^2/NDF:11.8/19

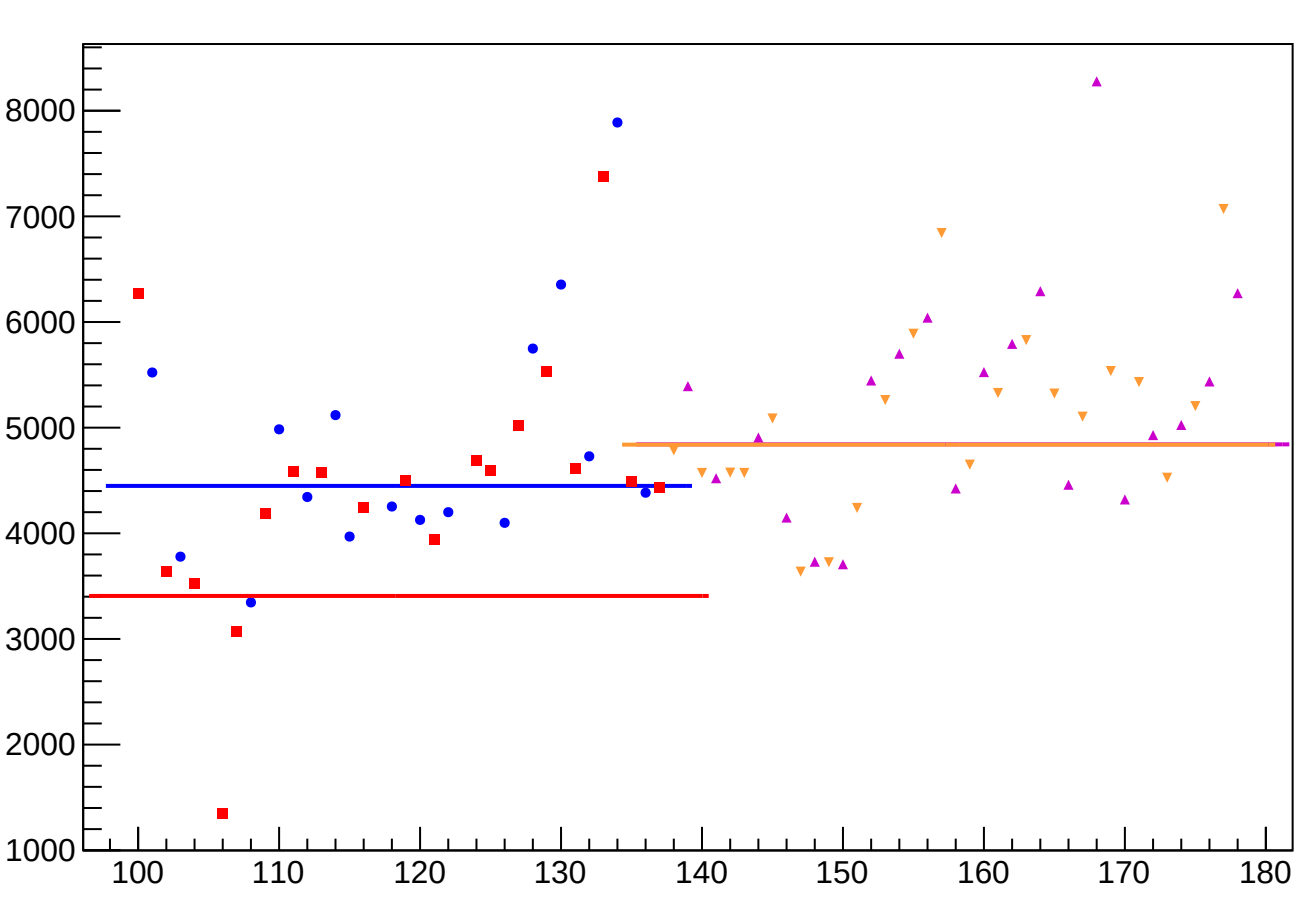
Left: 347.306+/-859.777 χ^2/NDF: 37.0/40

Right: -649.023+/-1061.247 χ^2/NDF: 30.4/34

In: -263.134+/-990.673 χ^2/NDF:26.7/35

Out: 132.325+/-904.701 χ^2/NDF:41.1/39

All: -47.504+/-668.050 χ^2/NDF: 67.9/75



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: 4841.977+/-0.865 χ^2/NDF:1094990.2/19

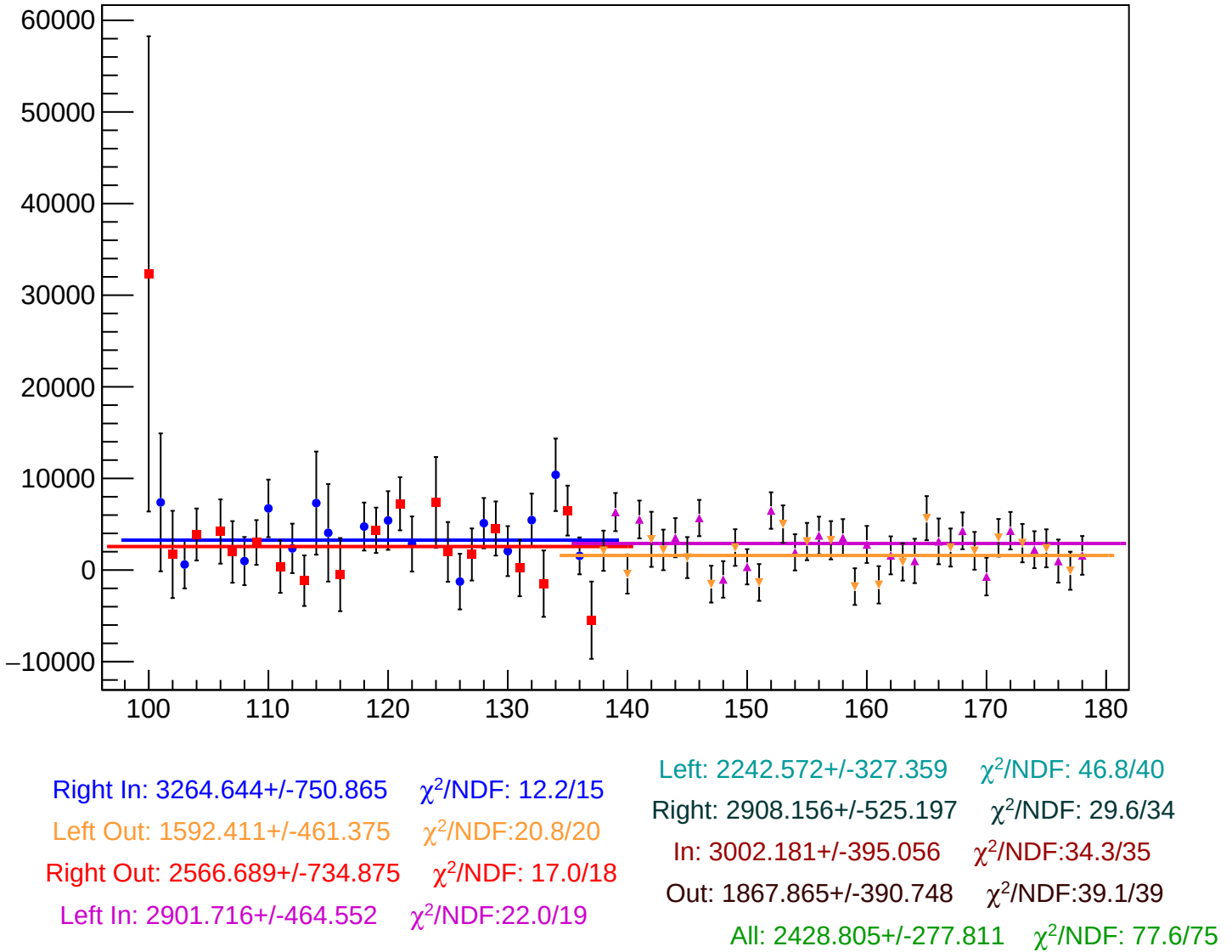
Left: 4840.538+/-0.608 χ^2/NDF: 1973906.6/40

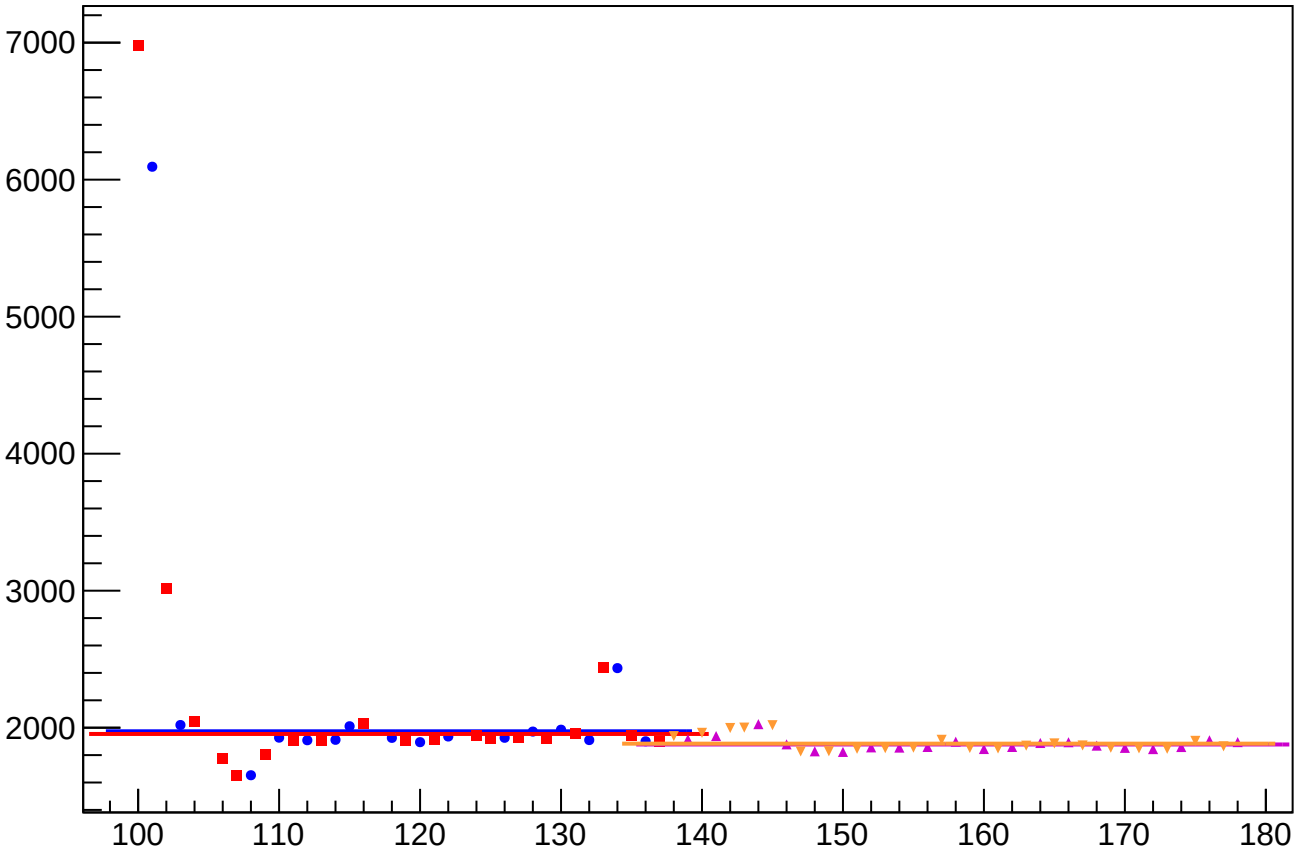
Right: 3817.861+/-0.750 χ^2/NDF: 3280806.0/34

In: 4706.838+/-0.701 χ^2/NDF:1660689.5/35

Out: 4208.822+/-0.640 χ^2/NDF:4439729.6/39

All: 4435.287+/-0.472 χ^2/NDF: 6376009.1/75


eigen_dit_asym_atr_avg_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
180
Right In: 3264.644+/-750.865 χ²/NDF: 12.2/15
Left Out: 1592.411+/-461.375 χ²/NDF:20.8/20
Right Out: 2566.689+/-734.875 χ²/NDF: 17.0/18
Left In: 2901.716+/-464.552 χ²/NDF:22.0/19
Left: 2242.572+/-327.359 χ²/NDF: 46.8/40
Right: 2908.156+/-525.197 χ²/NDF: 29.6/34
In: 3002.181+/-395.056 χ²/NDF:34.3/35
Out: 1867.865+/-390.748 χ²/NDF:39.1/39
All: 2428.805+/-277.811 χ²/NDF: 77.6/75



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1883.522+/-0.326 χ^2/NDF:28102.3/20

Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1877.564+/-0.328 χ^2/NDF:18105.7/19

Left: 1880.564+/-0.231 χ^2/NDF: 46373.7/40

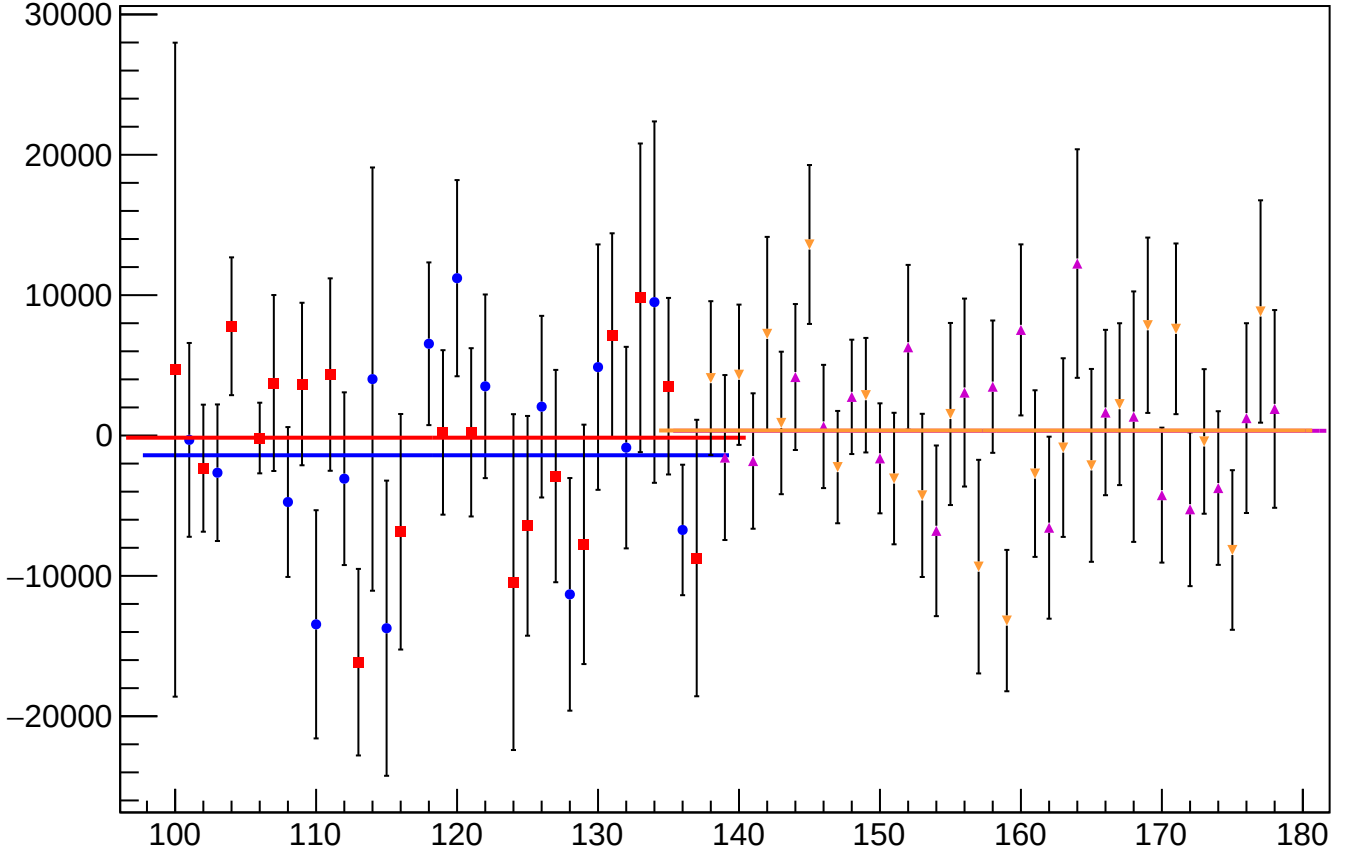
Right: 1963.826+/-0.371 χ^2/NDF: 912018.2/34

In: 1904.190+/-0.279 χ^2/NDF:706963.0/35

Out: 1903.569+/-0.276 χ^2/NDF:287651.5/39

All: 1903.876+/-0.196 χ^2/NDF: 994617.1/75

asym_atr_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1407.363+/-1689.986 χ^2/NDF: 14.2/15

Left Out: 358.436+/-1209.130 χ^2/NDF:25.3/20

Right Out: -155.272+/-1363.639 χ^2/NDF: 15.8/18

Left In: 335.918+/-1222.805 χ^2/NDF:11.8/19

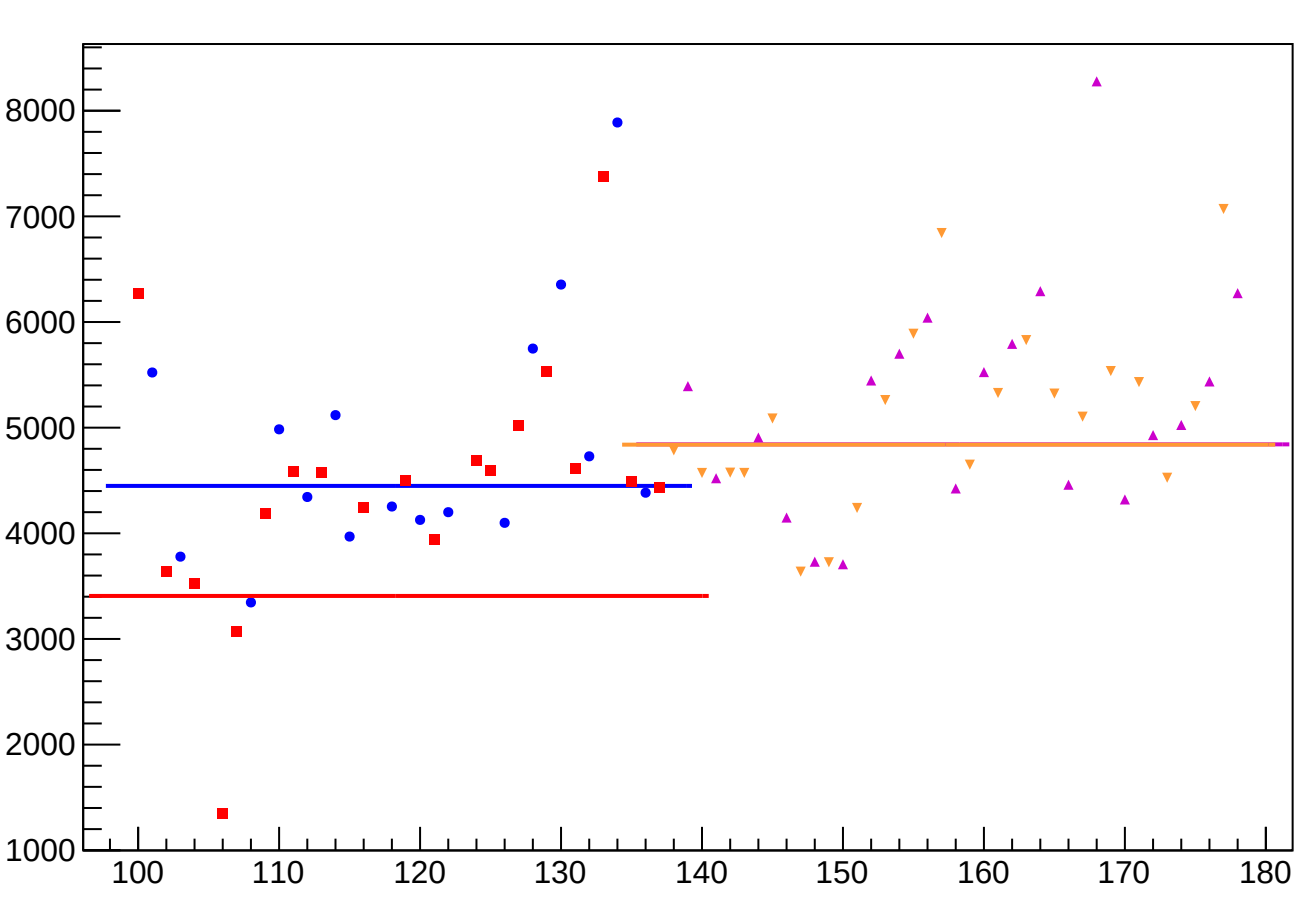
Left: 347.304+/-859.778 χ^2/NDF: 37.0/40

Right: -649.016+/-1061.245 χ^2/NDF: 30.4/34

In: -263.131+/-990.674 χ^2/NDF:26.7/35

Out: 132.322+/-904.701 χ^2/NDF:41.1/39

All: -47.504+/-668.050 χ^2/NDF: 67.9/75



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: 4841.984+/-0.865 χ^2/NDF:1094991.3/19

Left: 4840.545+/-0.608 χ^2/NDF: 1973907.5/40

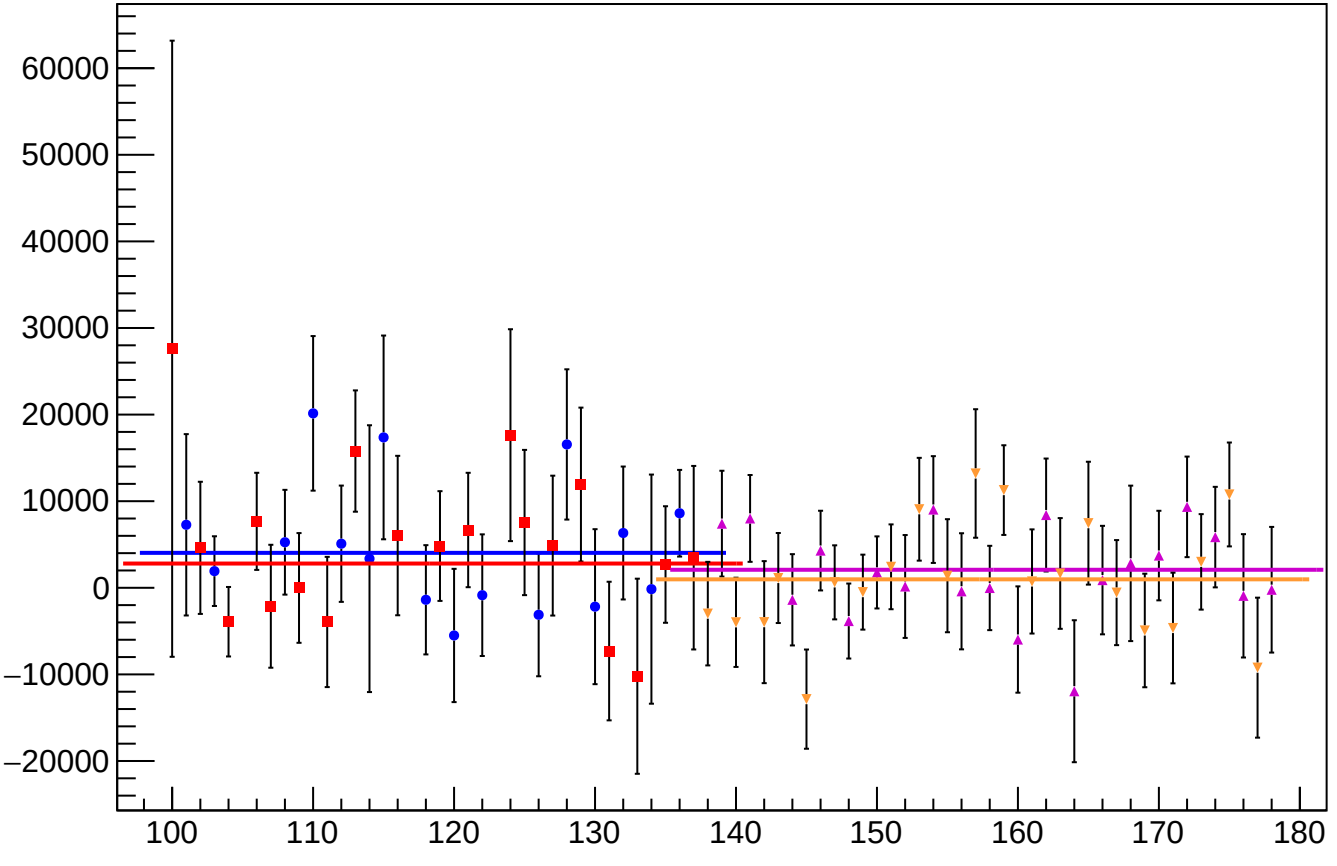
Right: 3817.853+/-0.750 χ^2/NDF: 3280809.4/34

In: 4706.840+/-0.701 χ^2/NDF:1660693.0/35

Out: 4208.820+/-0.640 χ^2/NDF:4439761.7/39

All: 4435.287+/-0.472 χ^2/NDF: 6376048.9/75

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: 2081.088+/-1271.731 χ^2/NDF:14.4/19

Left: 1522.231+/-893.856 χ^2/NDF: 38.1/40

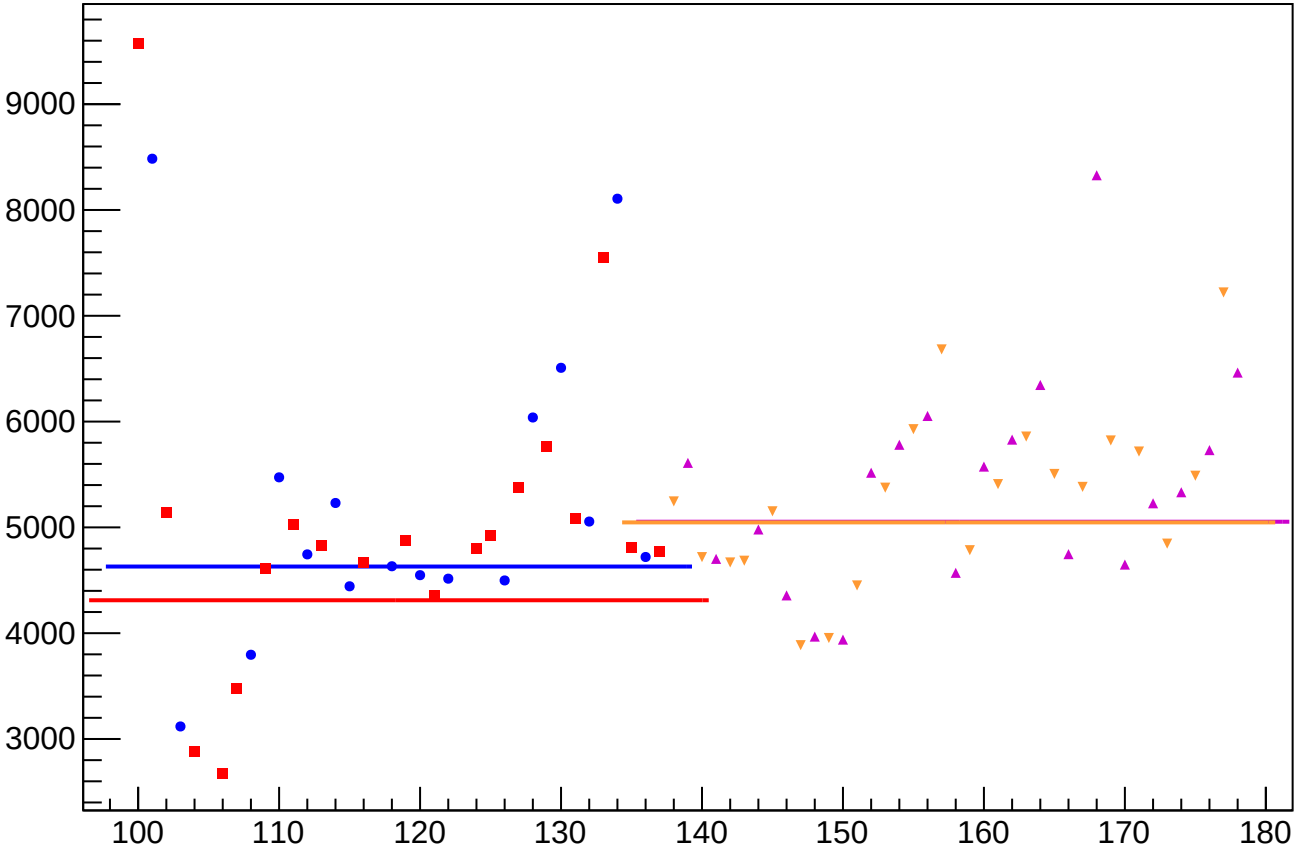
Right: 3378.243+/-1219.278 χ^2/NDF: 28.0/34

In: 2740.260+/-1035.165 χ^2/NDF:27.5/35

Out: 1635.022+/-1004.509 χ^2/NDF:39.5/39

All: 2171.033+/-720.890 χ^2/NDF: 67.7/75

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: 5053.413+/-0.899 χ^2/NDF:921527.9/19

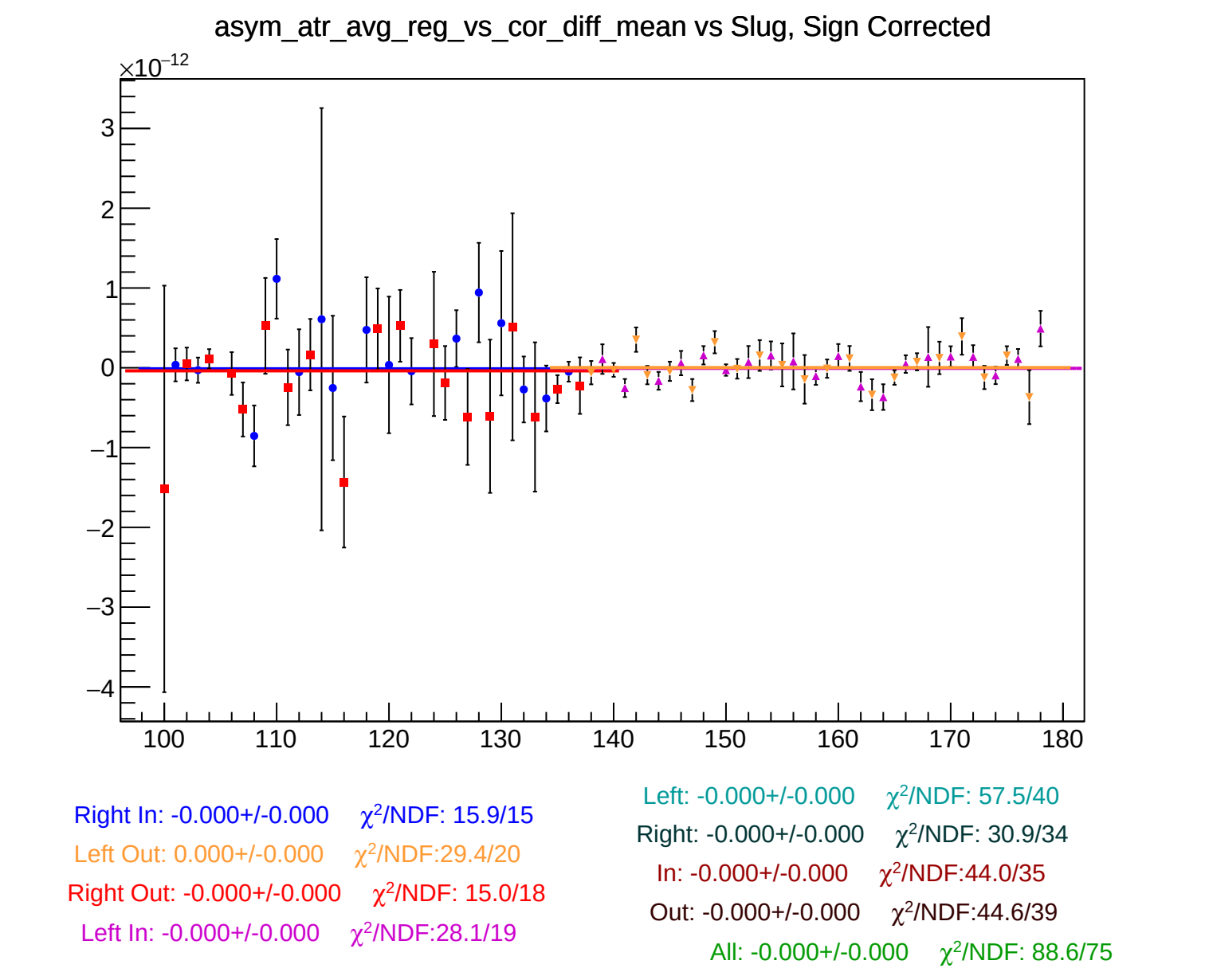
Left: 5050.243+/-0.632 χ^2/NDF: 1659153.2/40

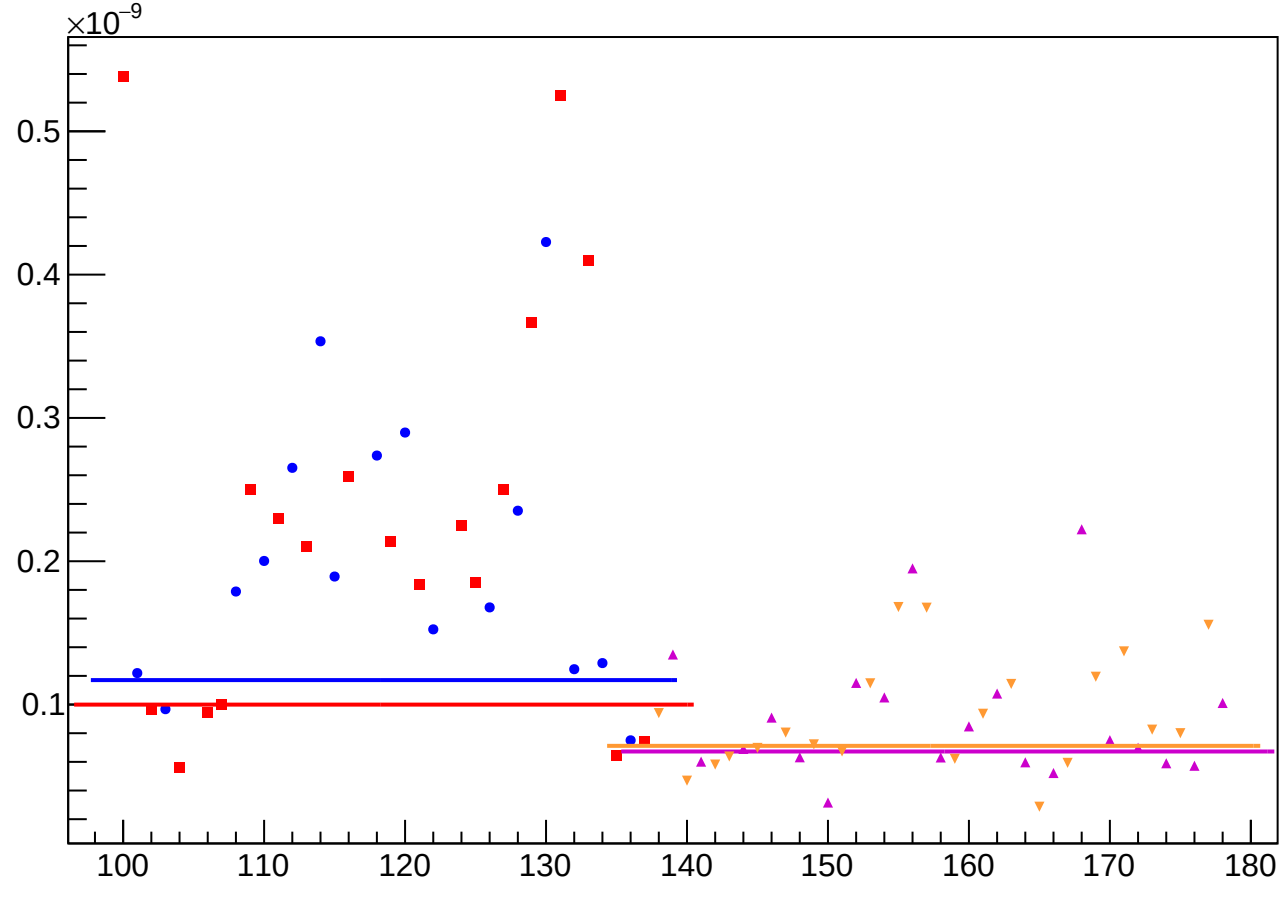
Right: 4459.059+/-0.858 χ^2/NDF: 1839292.8/34

In: 4910.528+/-0.732 χ^2/NDF:1896595.6/35

Out: 4778.524+/-0.708 χ^2/NDF:1892721.6/39

All: 4842.334+/-0.509 χ^2/NDF: 3806118.5/75


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:28.1/19
Left: -0.000+/-0.000 χ²/NDF: 57.5/40
Right: -0.000+/-0.000 χ²/NDF: 30.9/34
In: -0.000+/-0.000 χ²/NDF:44.0/35
Out: -0.000+/-0.000 χ²/NDF:44.6/39
All: -0.000+/-0.000 χ²/NDF: 88.6/75



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:1875733.8/19

Left: 0.000+/-0.000 χ^2/NDF: 3732869.7/40

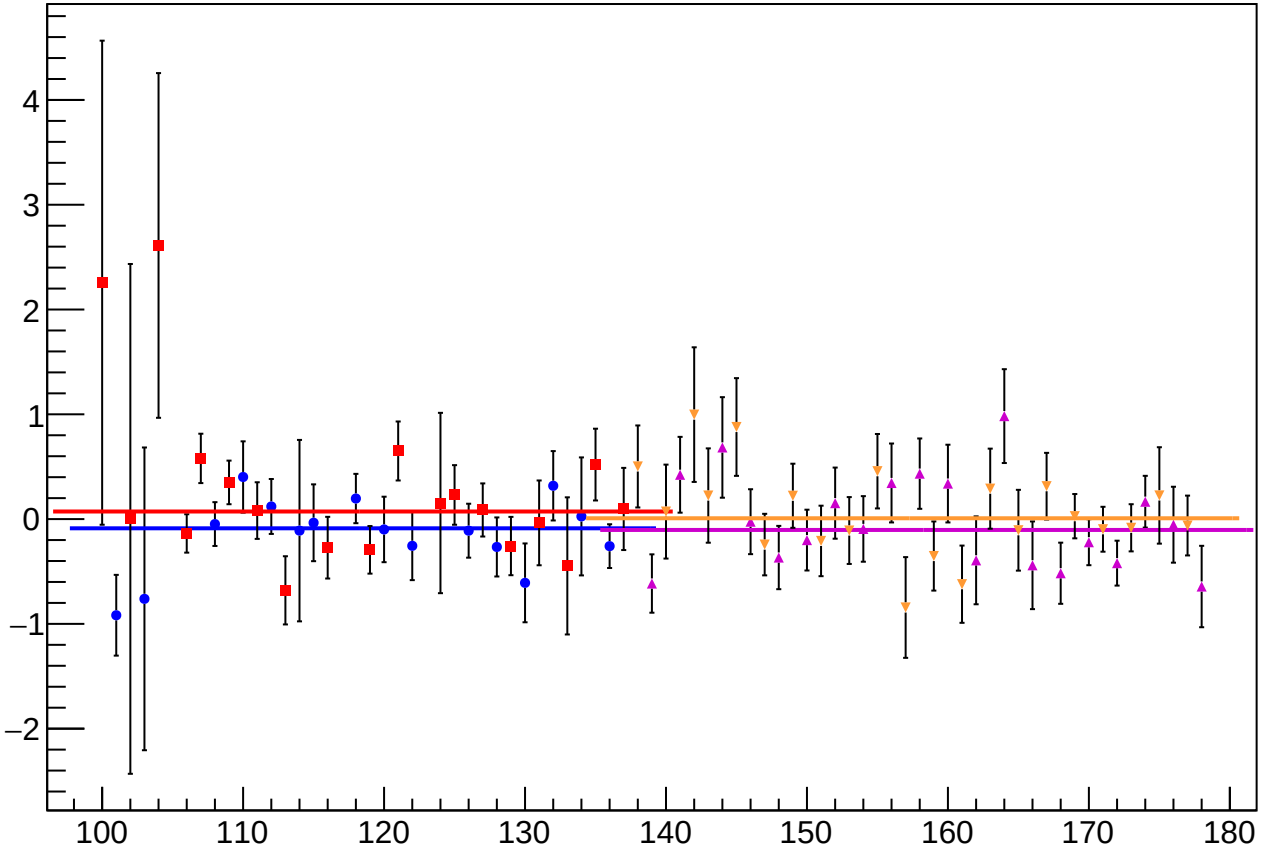
Right: 0.000+/-0.000 χ^2/NDF: 2997940.6/34

In: 0.000+/-0.000 χ^2/NDF:3730983.8/35

Out: 0.000+/-0.000 χ^2/NDF:3951704.3/39

All: 0.000+/-0.000 χ^2/NDF: 7685239.1/75

asym_atr_avg_dit_vs_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: -0.104+/-0.070 χ^2/NDF:29.7/19

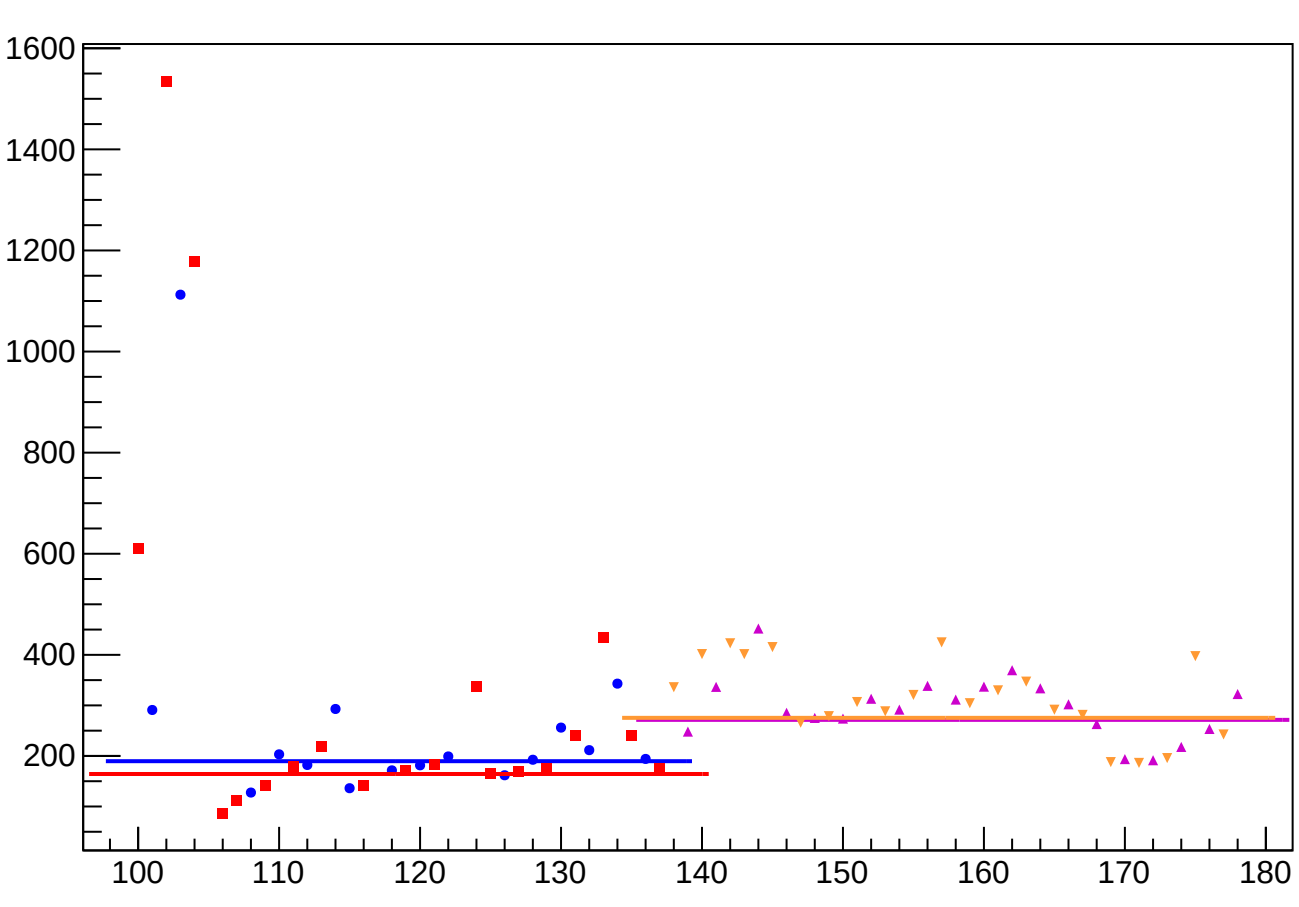
Left: -0.048+/-0.050 χ^2/NDF: 51.5/40

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.097+/-0.052 χ^2/NDF:43.6/35

Out: 0.041+/-0.050 χ^2/NDF:49.7/39

All: -0.025+/-0.036 χ^2/NDF: 96.9/75



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: 271.378+/-0.050 χ^2/NDF:1384317.8/19

Left: 273.355+/-0.035 χ^2/NDF: 3525105.7/40

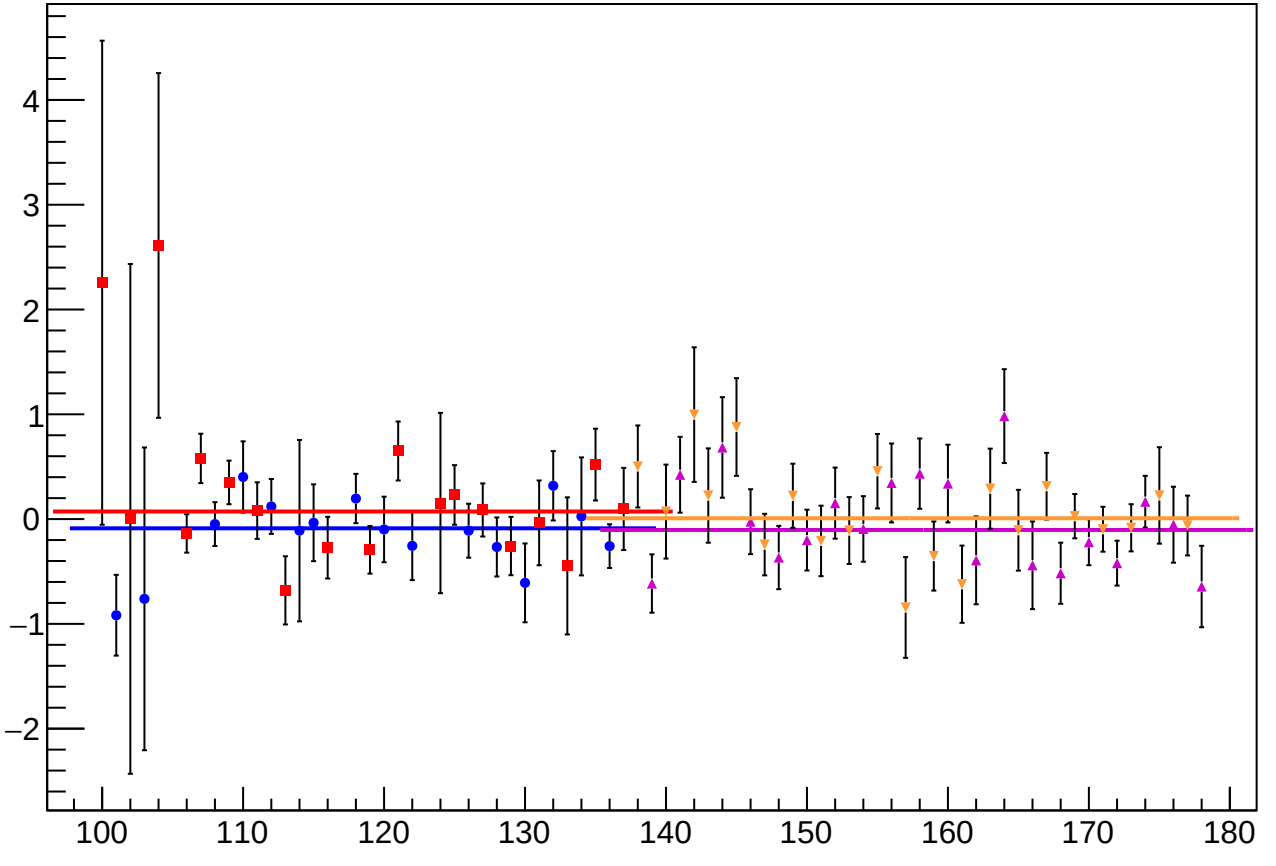
Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 234.015+/-0.037 χ^2/NDF:4081211.5/35

Out: 218.941+/-0.035 χ^2/NDF:7258192.8/39

All: 226.183+/-0.025 χ^2/NDF: 11427074.2/75

asym_atr_avg_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: -0.104+/-0.070 χ^2/NDF:29.7/19

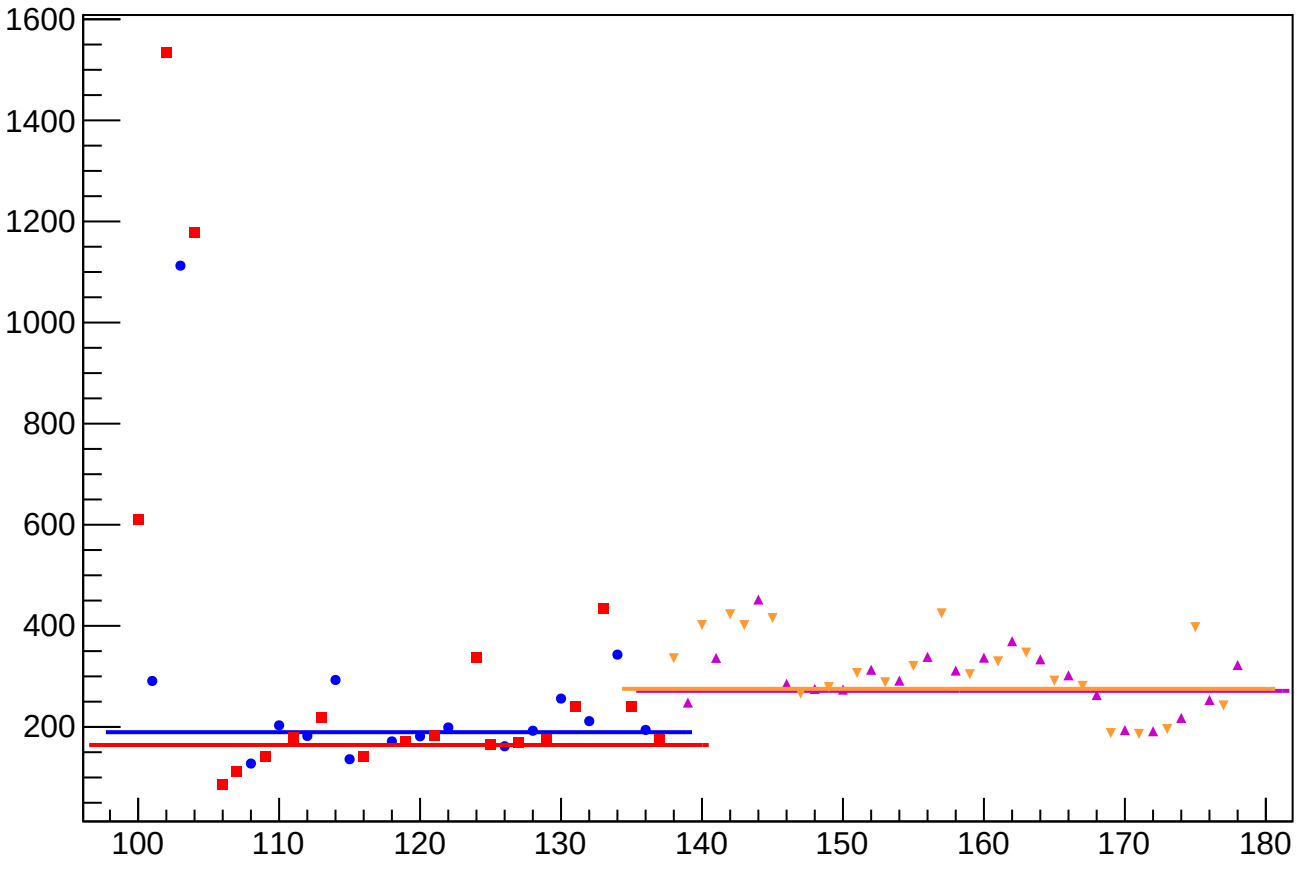
Left: -0.048+/-0.050 χ^2/NDF: 51.5/40

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.097+/-0.052 χ^2/NDF:43.6/35

Out: 0.041+/-0.050 χ^2/NDF:49.7/39

All: -0.025+/-0.036 χ^2/NDF: 96.9/75



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: 271.378+/-0.050 χ^2/NDF:1384317.8/19

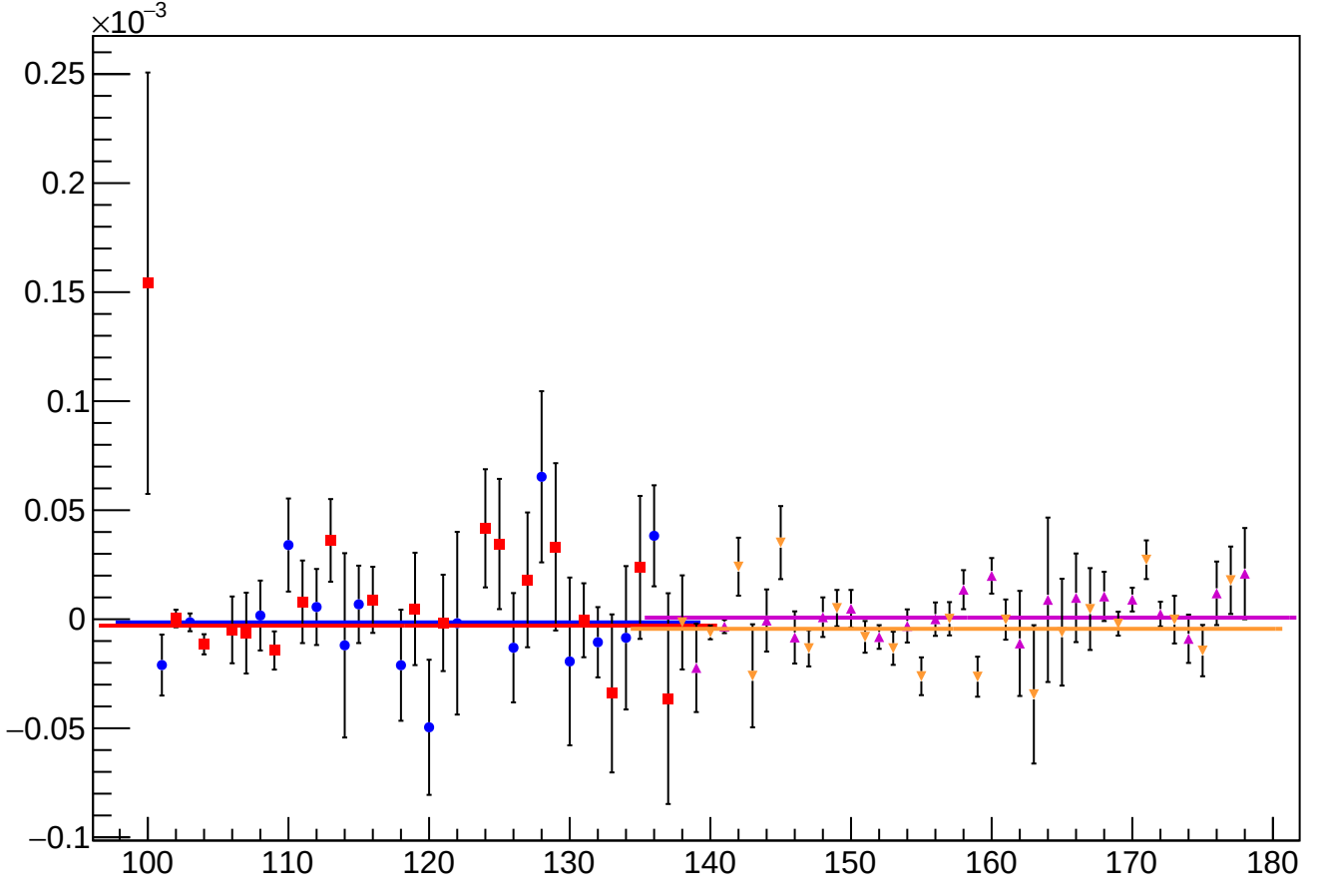
Left: 273.355+/-0.035 χ^2/NDF: 3525105.7/40

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 234.015+/-0.037 χ^2/NDF:4081211.5/35

Out: 218.941+/-0.035 χ^2/NDF:7258192.8/39

All: 226.183+/-0.025 χ^2/NDF: 11427074.2/75



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:20.3/19

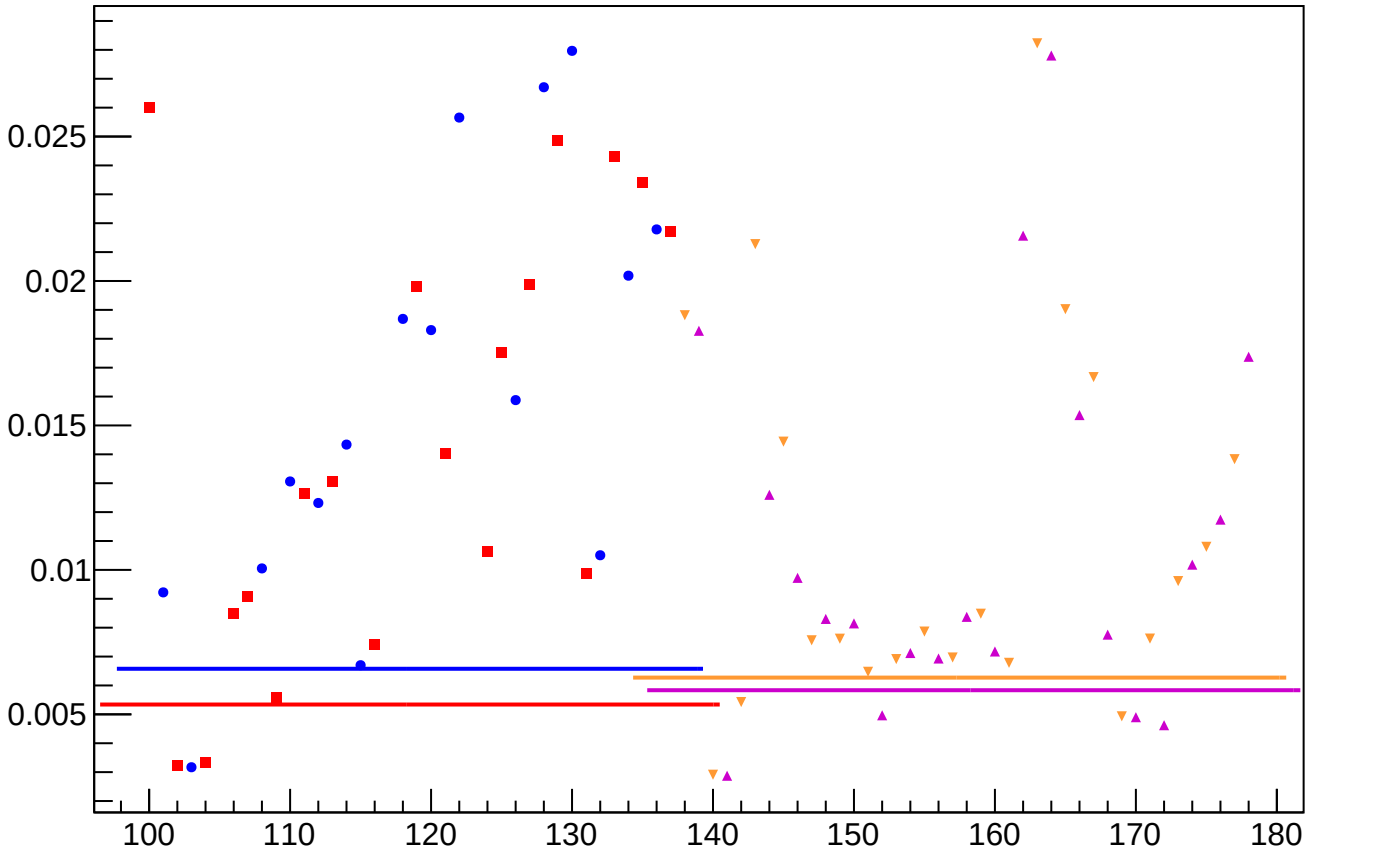
Left: -0.000+/-0.000 χ^2/NDF: 69.5/40

Right: -0.000+/-0.000 χ^2/NDF: 36.3/34

In: 0.000+/-0.000 χ^2/NDF:35.5/35

Out: -0.000+/-0.000 χ^2/NDF:66.5/39

All: -0.000+/-0.000 χ^2/NDF: 105.8/75



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:7369717.3/19

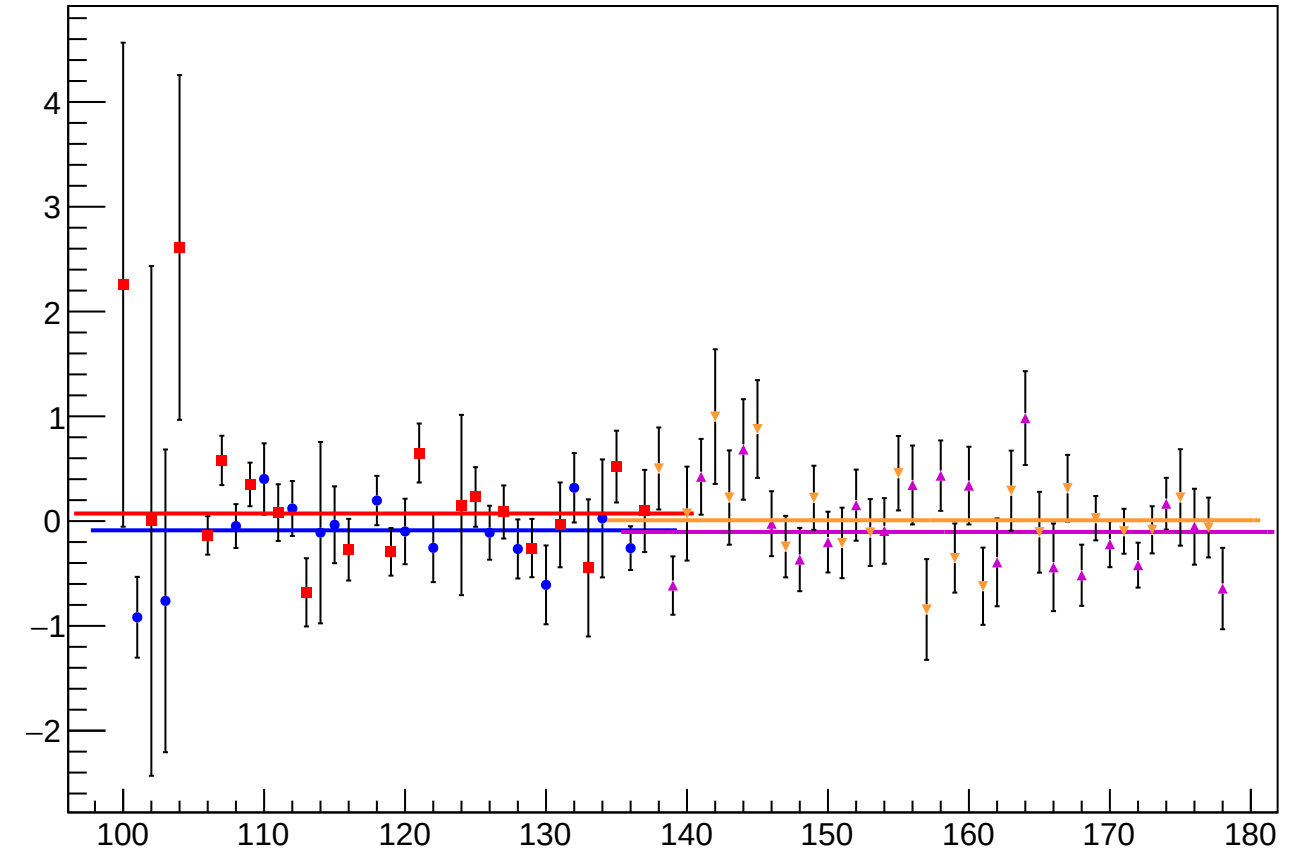
Left: 0.006+/-0.000 χ^2/NDF: 15203257.2/40

Right: 0.006+/-0.000 χ^2/NDF: 11788382.8/34

In: 0.006+/-0.000 χ^2/NDF:13376651.5/35

Out: 0.006+/-0.000 χ^2/NDF:13634576.9/39

All: 0.006+/-0.000 χ^2/NDF: 27011719.1/75



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: -0.104+/-0.070 χ^2/NDF:29.7/19

Left: -0.048+/-0.050 χ^2/NDF: 51.5/40

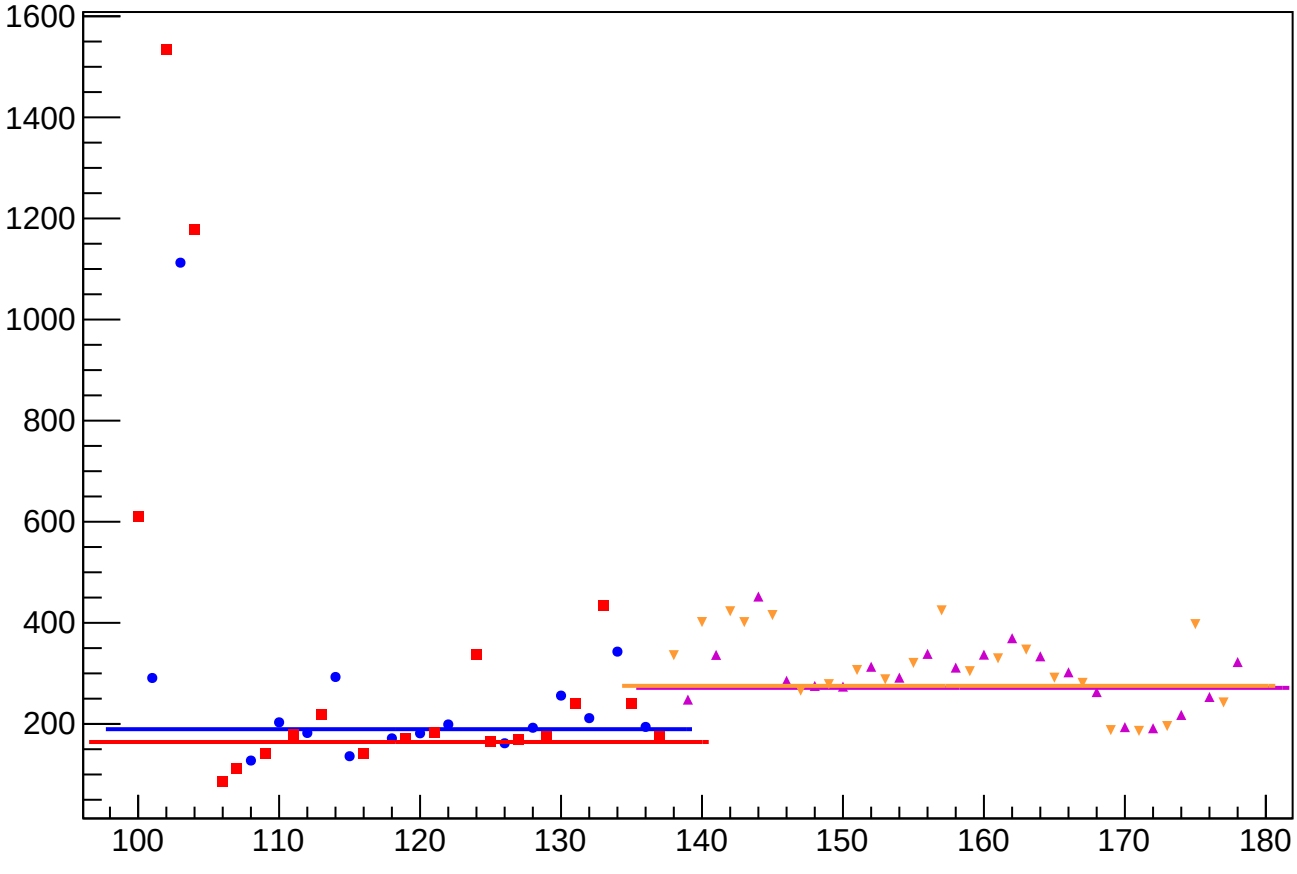
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.096+/-0.052 χ^2/NDF:43.6/35

Out: 0.041+/-0.050 χ^2/NDF:49.7/39

All: -0.025+/-0.036 χ^2/NDF: 96.9/75

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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: 271.381+/-0.050 χ^2/NDF:1384370.4/19

Left: 273.357+/-0.035 χ^2/NDF: 3525238.7/40

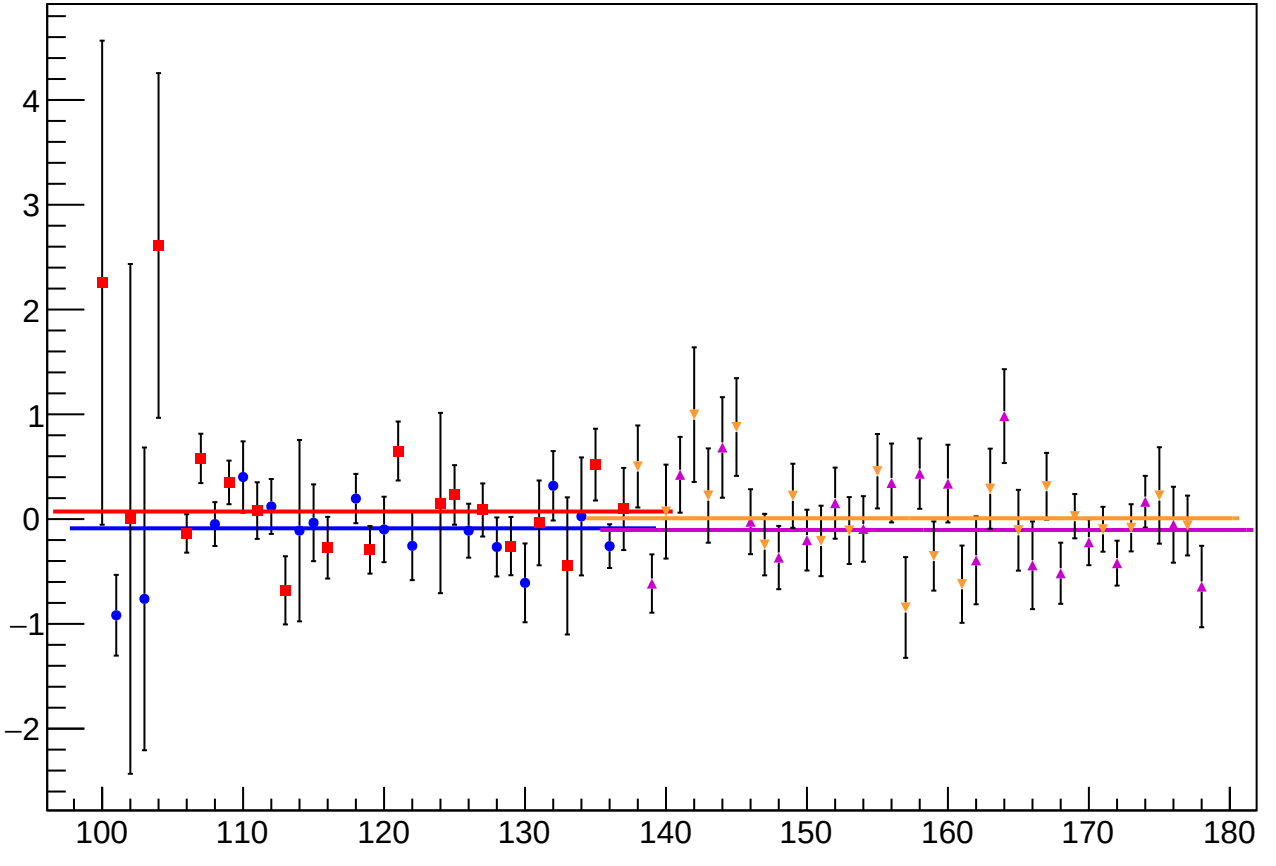
Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 234.016+/-0.037 χ^2/NDF:4081342.9/35

Out: 218.941+/-0.035 χ^2/NDF:7258383.0/39

All: 226.183+/-0.025 χ^2/NDF: 11427400.9/75

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: -0.104+/-0.070 χ^2/NDF:29.7/19

Left: -0.048+/-0.050 χ^2/NDF: 51.5/40

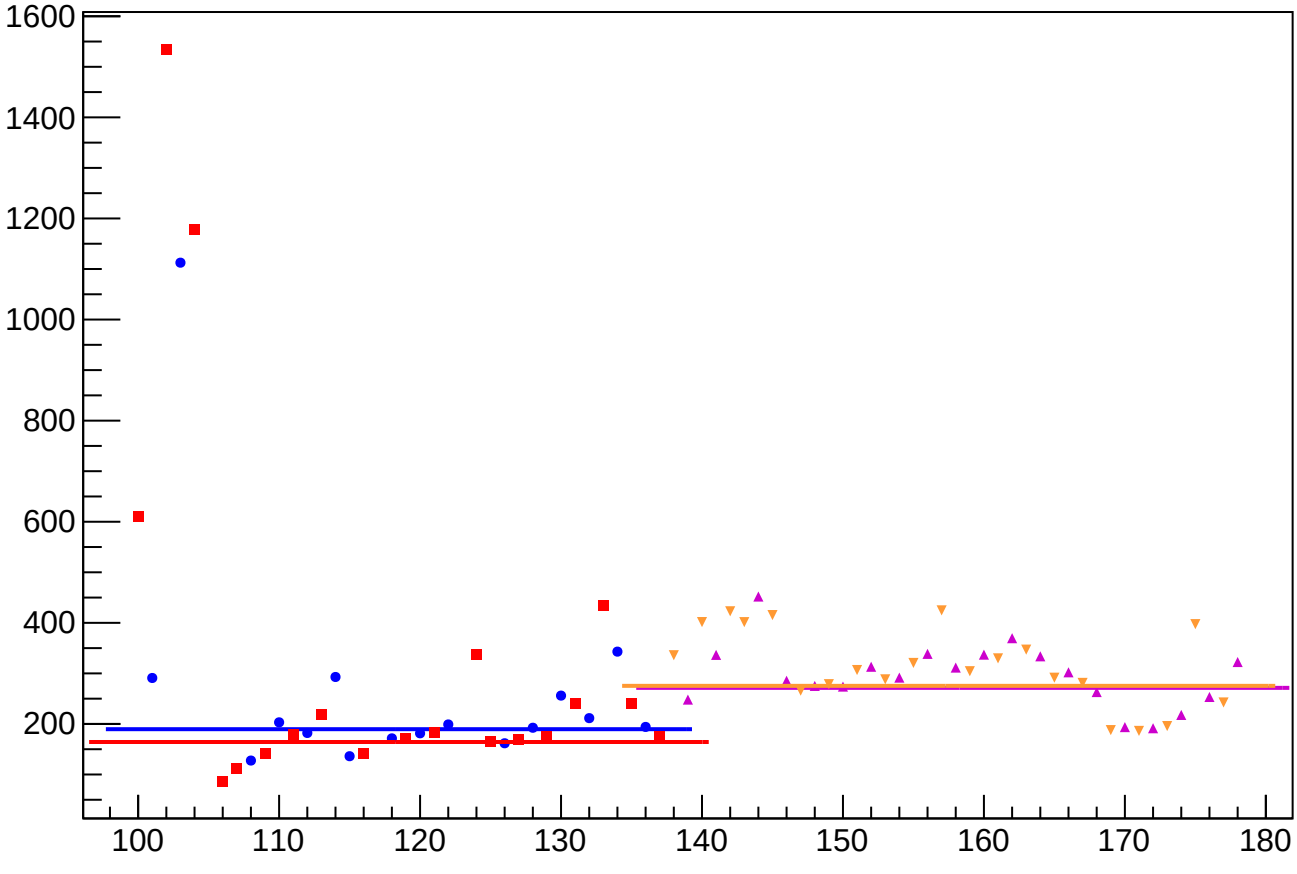
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.096+/-0.052 χ^2/NDF:43.6/35

Out: 0.041+/-0.050 χ^2/NDF:49.7/39

All: -0.025+/-0.036 χ^2/NDF: 96.9/75

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 275.374+/-0.050 χ^2/NDF:2137685.2/20

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 271.381+/-0.050 χ^2/NDF:1384370.4/19

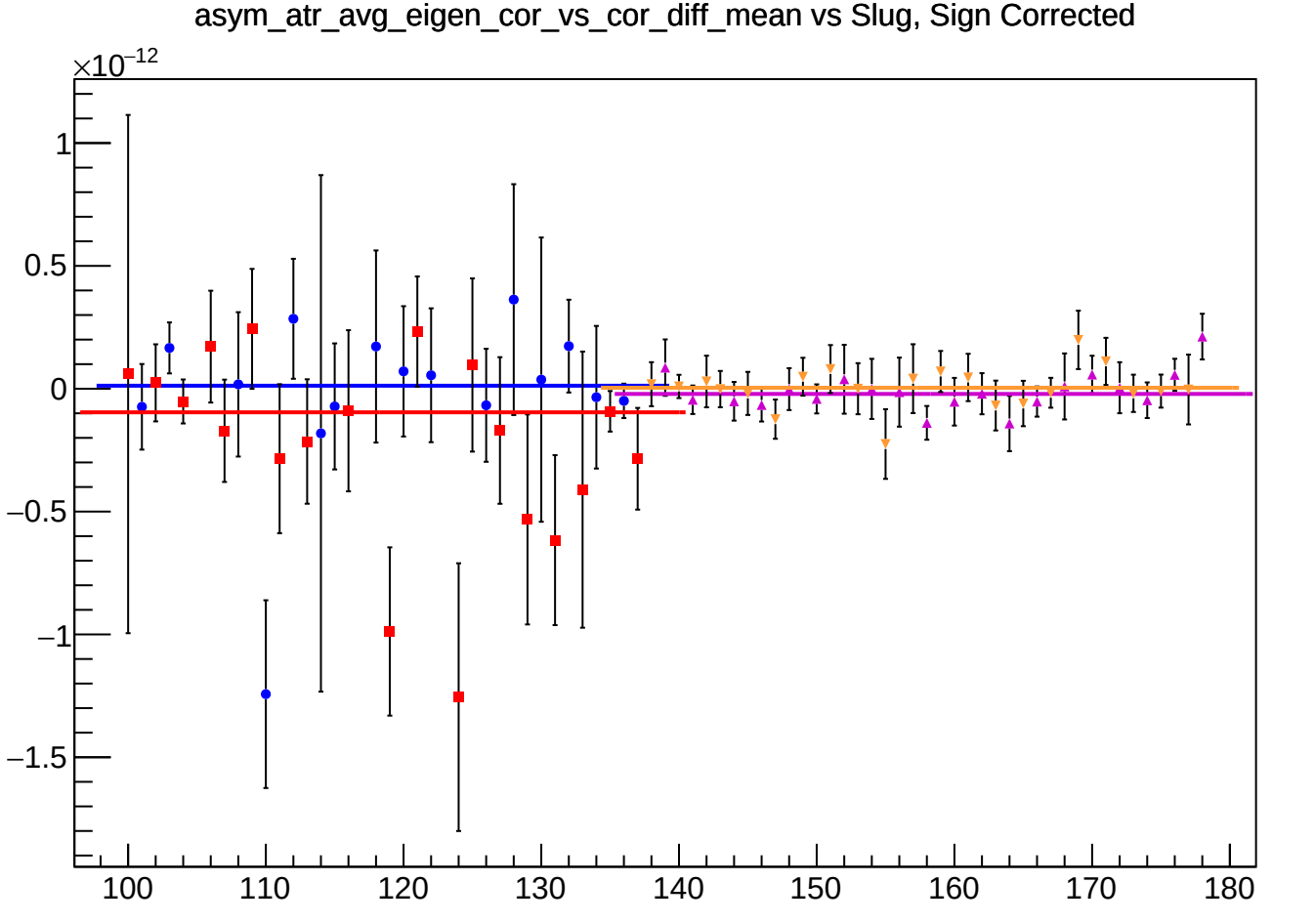
Left: 273.357+/-0.035 χ^2/NDF: 3525238.7/40

Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 234.016+/-0.037 χ^2/NDF:4081342.9/35

Out: 218.941+/-0.035 χ^2/NDF:7258383.0/39

All: 226.183+/-0.025 χ^2/NDF: 11427400.9/75



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:15.5/19

Left: -0.000+/-0.000 χ^2/NDF: 28.8/40

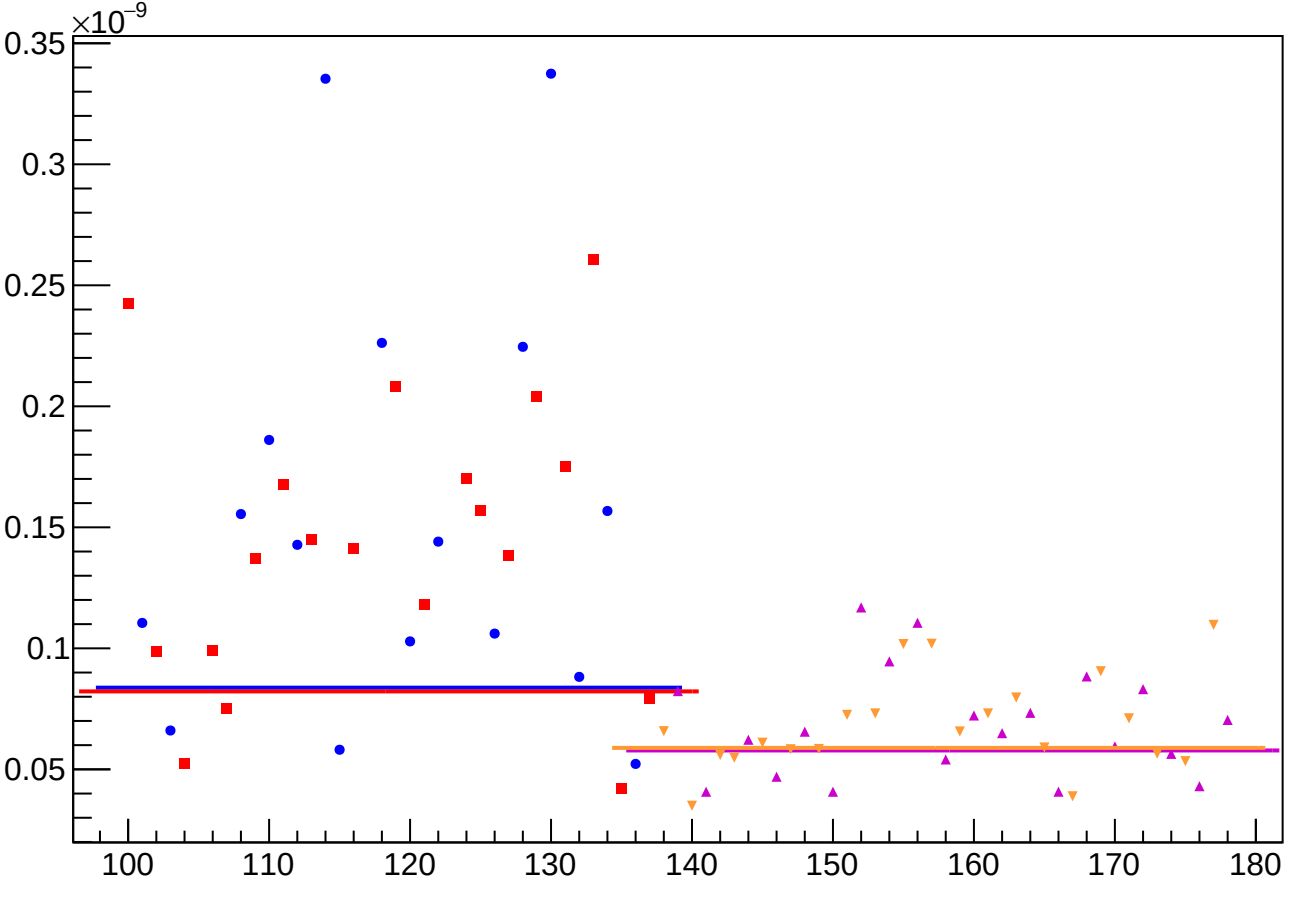
Right: -0.000+/-0.000 χ^2/NDF: 43.1/34

In: -0.000+/-0.000 χ^2/NDF:33.0/35

Out: -0.000+/-0.000 χ^2/NDF:39.8/39

All: -0.000+/-0.000 χ^2/NDF: 72.9/75

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2109060.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1781362.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1942811.2/19

Left: 0.000+/-0.000 χ^2/NDF: 3727532.8/40

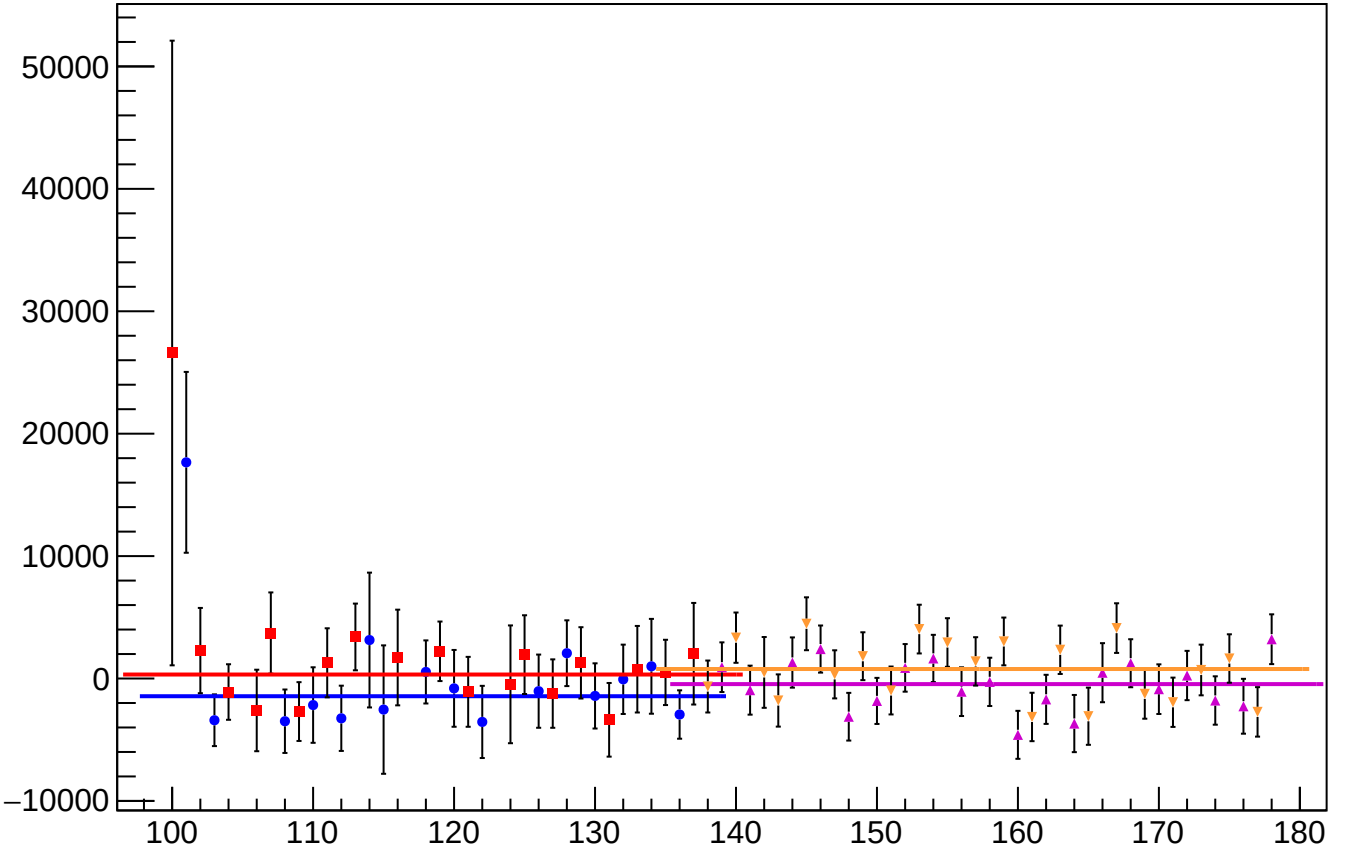
Right: 0.000+/-0.000 χ^2/NDF: 4382137.4/34

In: 0.000+/-0.000 χ^2/NDF:4610855.4/35

Out: 0.000+/-0.000 χ^2/NDF:4518748.6/39

All: 0.000+/-0.000 χ^2/NDF: 9132134.1/75

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: -456.553+/-451.765 χ^2/NDF:19.8/19

Left: 164.981+/-318.117 χ^2/NDF: 52.4/40

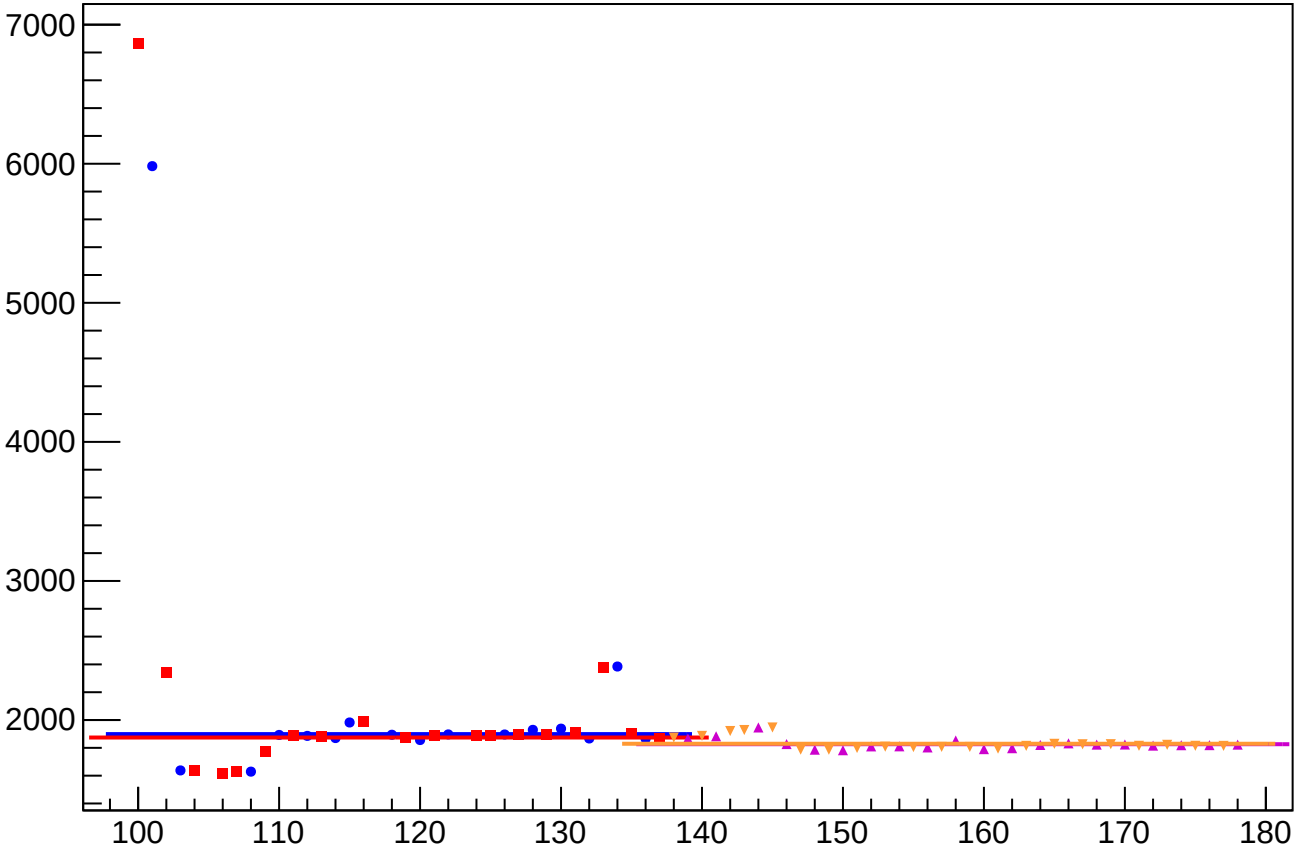
Right: -534.850+/-503.936 χ^2/NDF: 26.5/34

In: -734.467+/-383.143 χ^2/NDF:34.7/35

Out: 646.097+/-377.768 χ^2/NDF:39.1/39

All: -34.433+/-269.003 χ^2/NDF: 80.4/75

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: 1826.139+/-0.319 χ^2/NDF:13275.4/19

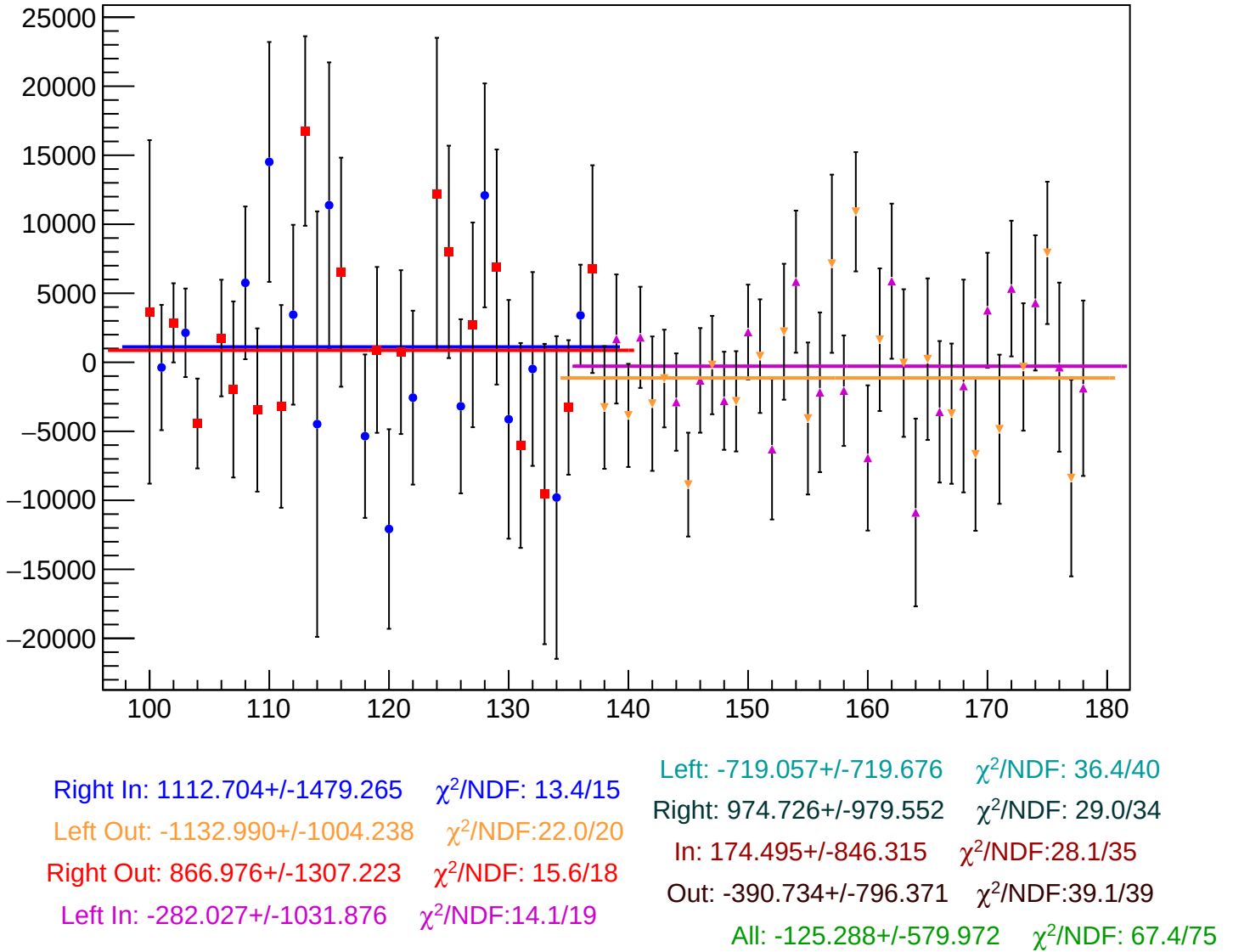
Left: 1827.793+/-0.225 χ^2/NDF: 32436.7/40

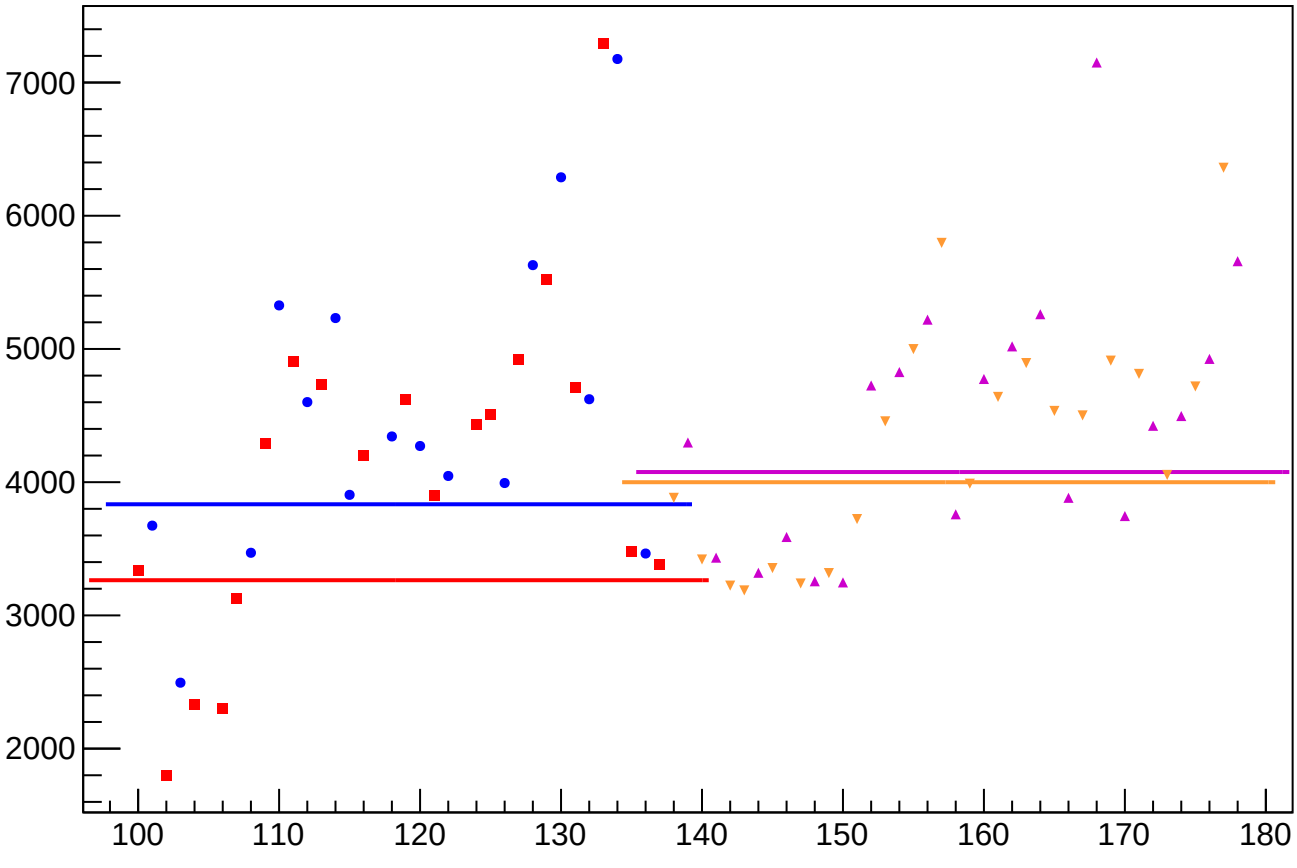
Right: 1886.144+/-0.356 χ^2/NDF: 906364.0/34

In: 1846.544+/-0.271 χ^2/NDF:725324.1/35

Out: 1842.441+/-0.267 χ^2/NDF:232582.0/39

All: 1844.461+/-0.190 χ^2/NDF: 958022.5/75


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: -282.027+/-1031.876 χ²/NDF:14.1/19
Left: -719.057+/-719.676 χ²/NDF: 36.4/40
Right: 974.726+/-979.552 χ²/NDF: 29.0/34
In: 174.495+/-846.315 χ²/NDF:28.1/35
Out: -390.734+/-796.371 χ²/NDF:39.1/39
All: -125.288+/-579.972 χ²/NDF: 67.4/75



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 3999.729+/-0.710 χ^2/NDF:1153939.9/20

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

Left In: 4076.130+/-0.730 χ^2/NDF:1252965.7/19

Left: 4036.893+/-0.509 χ^2/NDF: 2412536.4/40

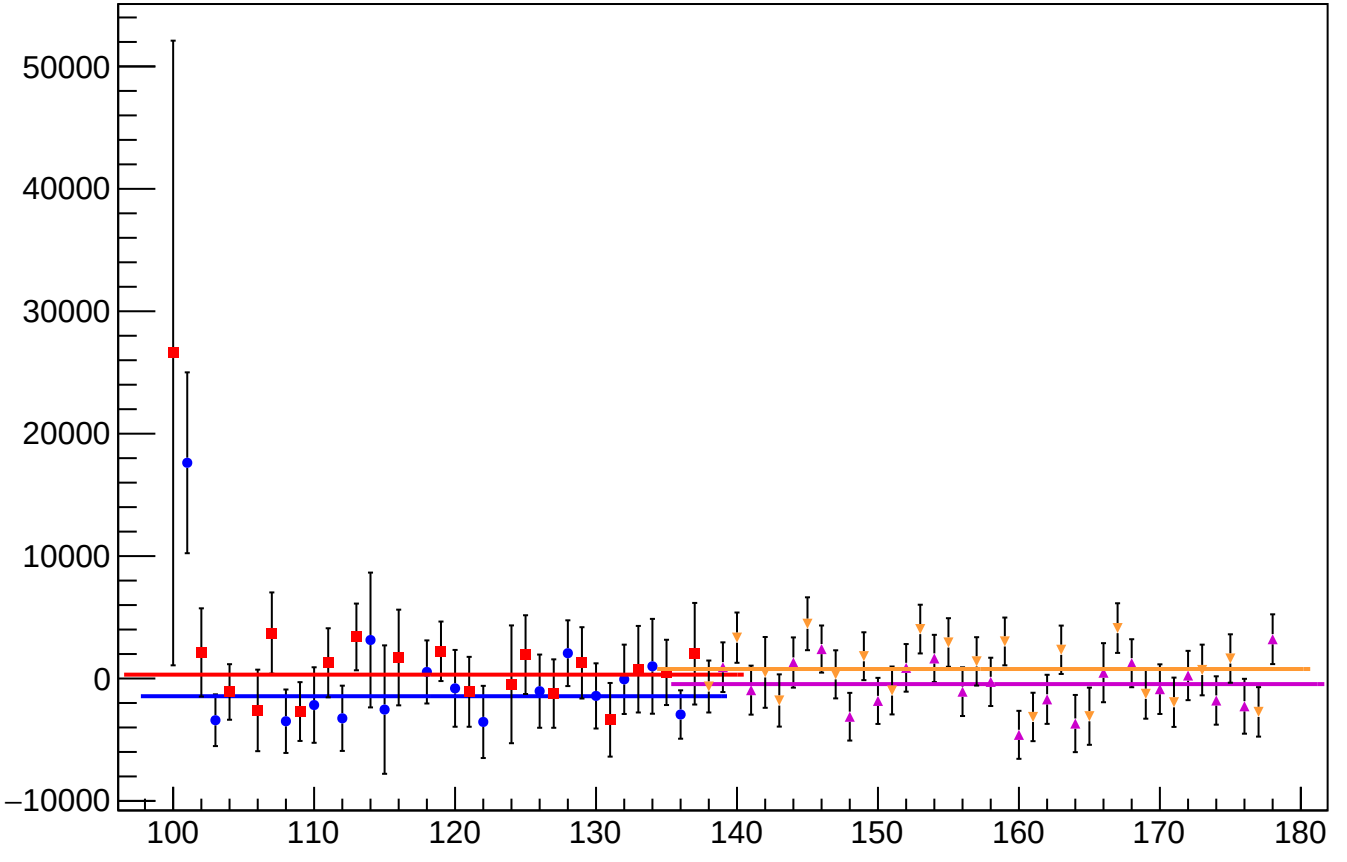
Right: 3514.075+/-0.693 χ^2/NDF: 2987789.5/34

In: 3996.930+/-0.598 χ^2/NDF:2245737.4/35

Out: 3726.716+/-0.563 χ^2/NDF:3416466.1/39

All: 3853.615+/-0.410 χ^2/NDF: 5770338.5/75

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: -456.435+/-451.765 χ^2/NDF:19.8/19

Left: 165.079+/-318.117 χ^2/NDF: 52.4/40

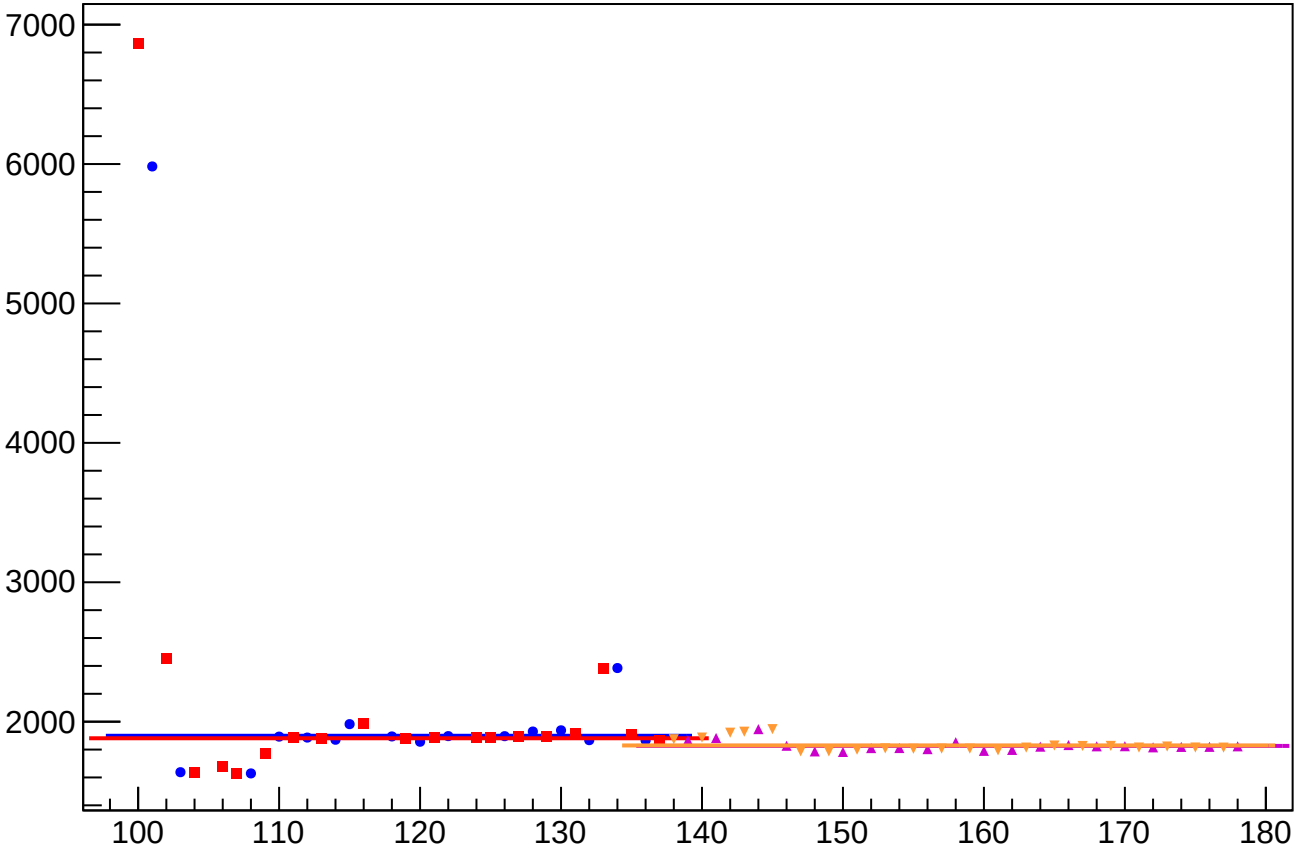
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -734.490+/-383.143 χ^2/NDF:34.6/35

Out: 643.388+/-377.915 χ^2/NDF:39.0/39

All: -36.086+/-269.056 χ^2/NDF: 80.2/75

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: 1826.139+/-0.319 χ^2/NDF:13275.4/19

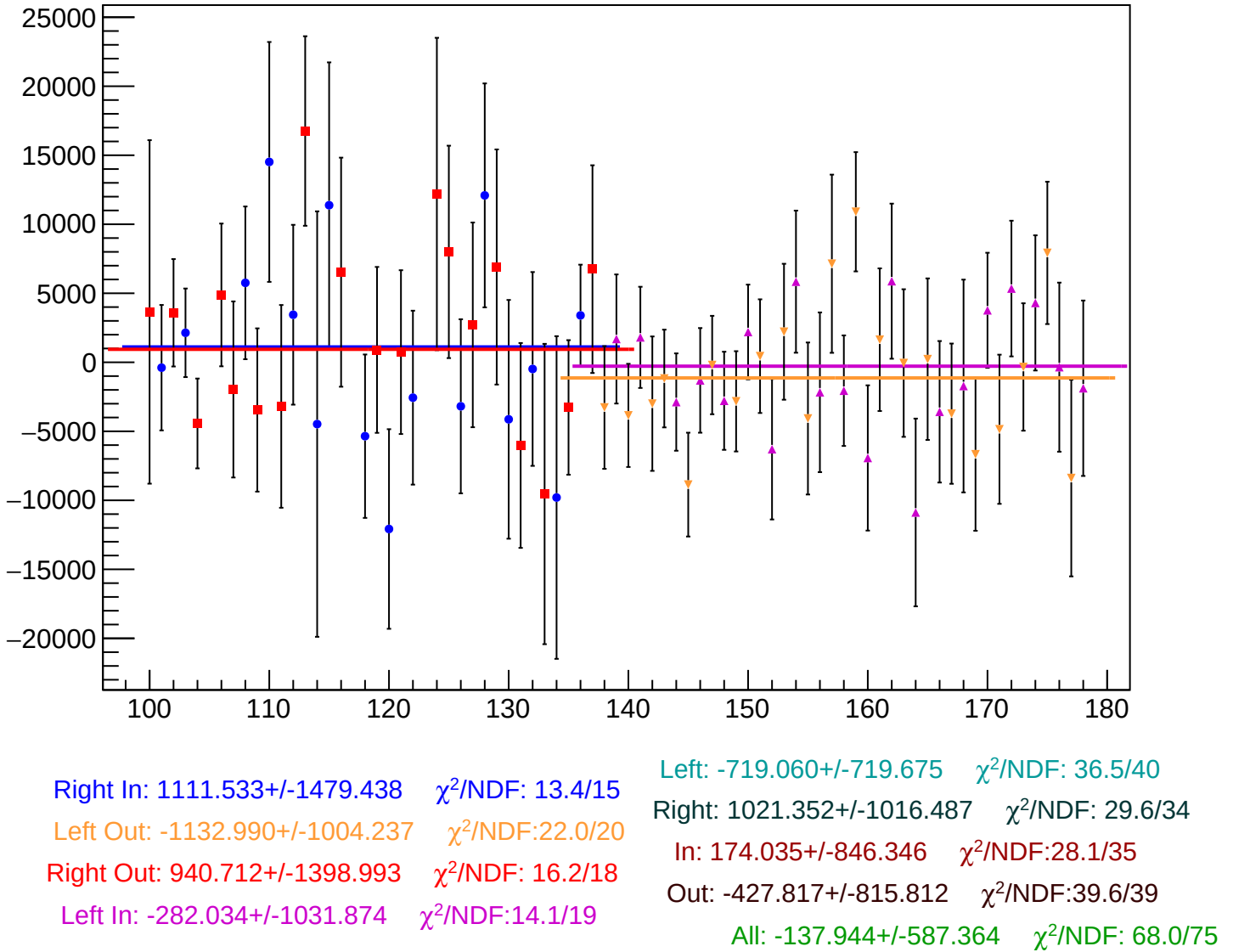
Left: 1827.793+/-0.225 χ^2/NDF: 32436.7/40

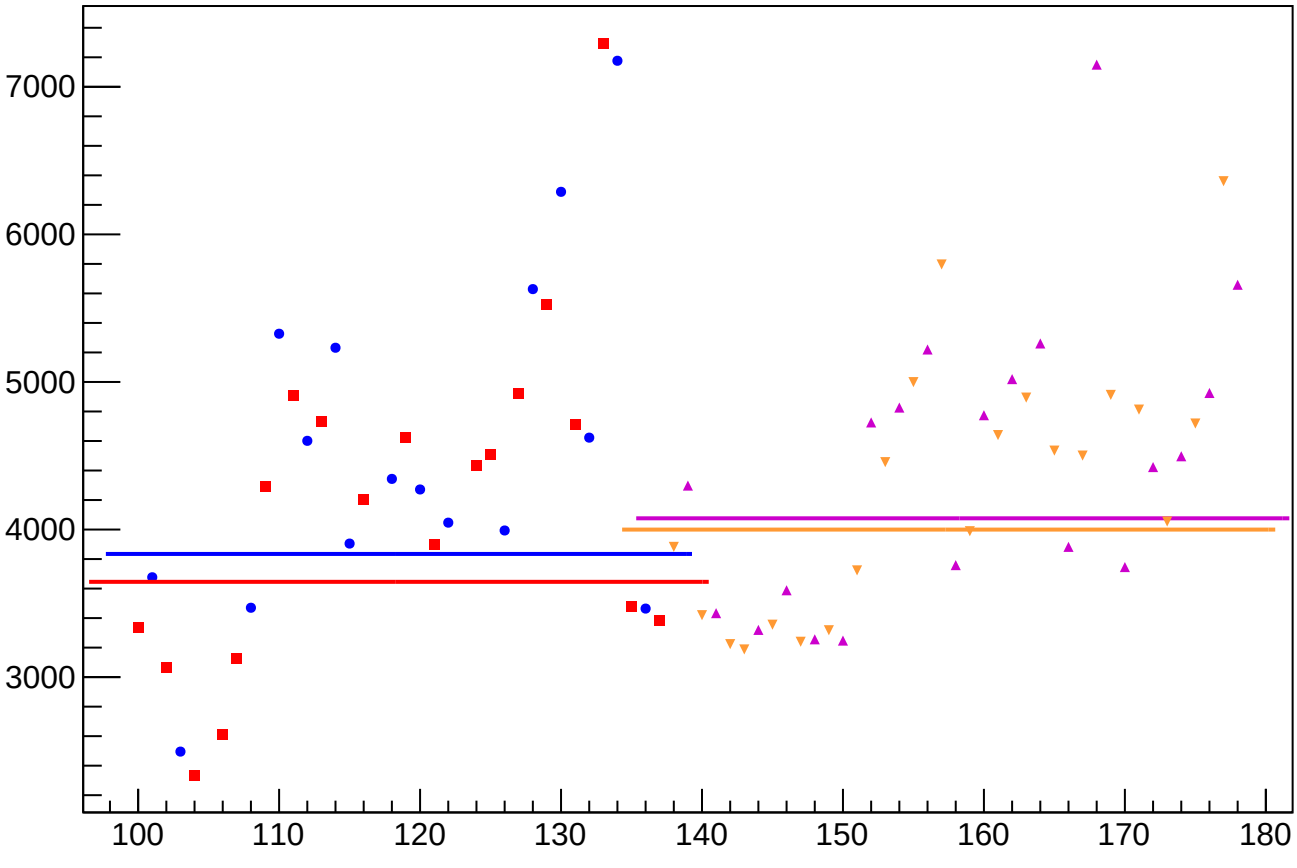
Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1846.544+/-0.271 χ^2/NDF:725324.2/35

Out: 1844.336+/-0.267 χ^2/NDF:243338.8/39

All: 1845.424+/-0.190 χ^2/NDF: 968696.7/75


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: -282.034+/-1031.874 χ²/NDF:14.1/19
Left: -719.060+/-719.675 χ²/NDF: 36.5/40
Right: 1021.352+/-1016.487 χ²/NDF: 29.6/34
In: 174.035+/-846.346 χ²/NDF:28.1/35
Out: -427.817+/-815.812 χ²/NDF:39.6/39
All: -137.944+/-587.364 χ²/NDF: 68.0/75



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: 4076.123+/-0.730 χ^2/NDF:1252977.6/19

Left: 4036.887+/-0.509 χ^2/NDF: 2412544.4/40

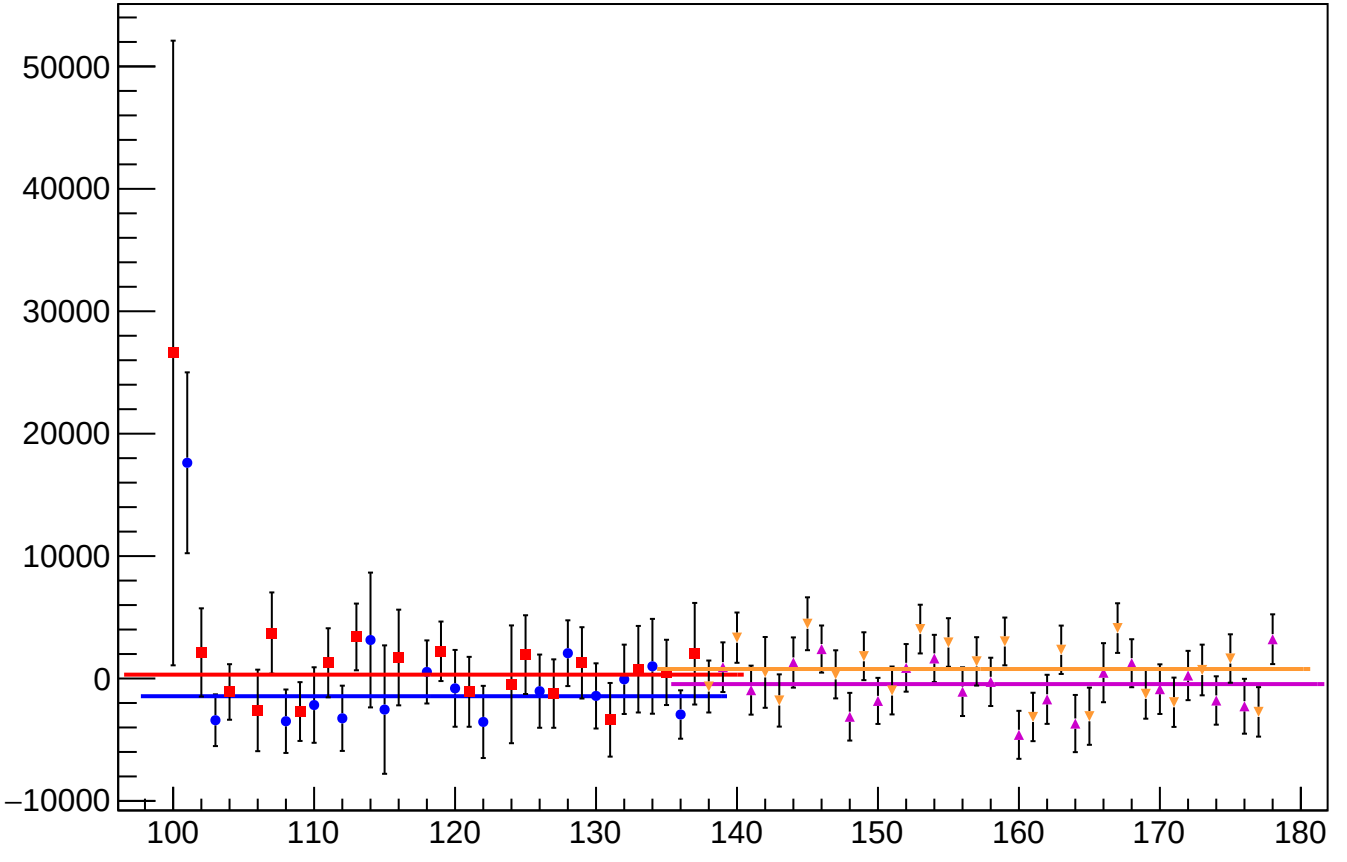
Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3997.110+/-0.598 χ^2/NDF:2245121.8/35

Out: 3879.334+/-0.577 χ^2/NDF:2363446.0/39

All: 3936.059+/-0.415 χ^2/NDF: 4628644.1/75

eigen_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: -456.435+/-451.765 χ^2/NDF:19.8/19

Left: 165.079+/-318.117 χ^2/NDF: 52.4/40

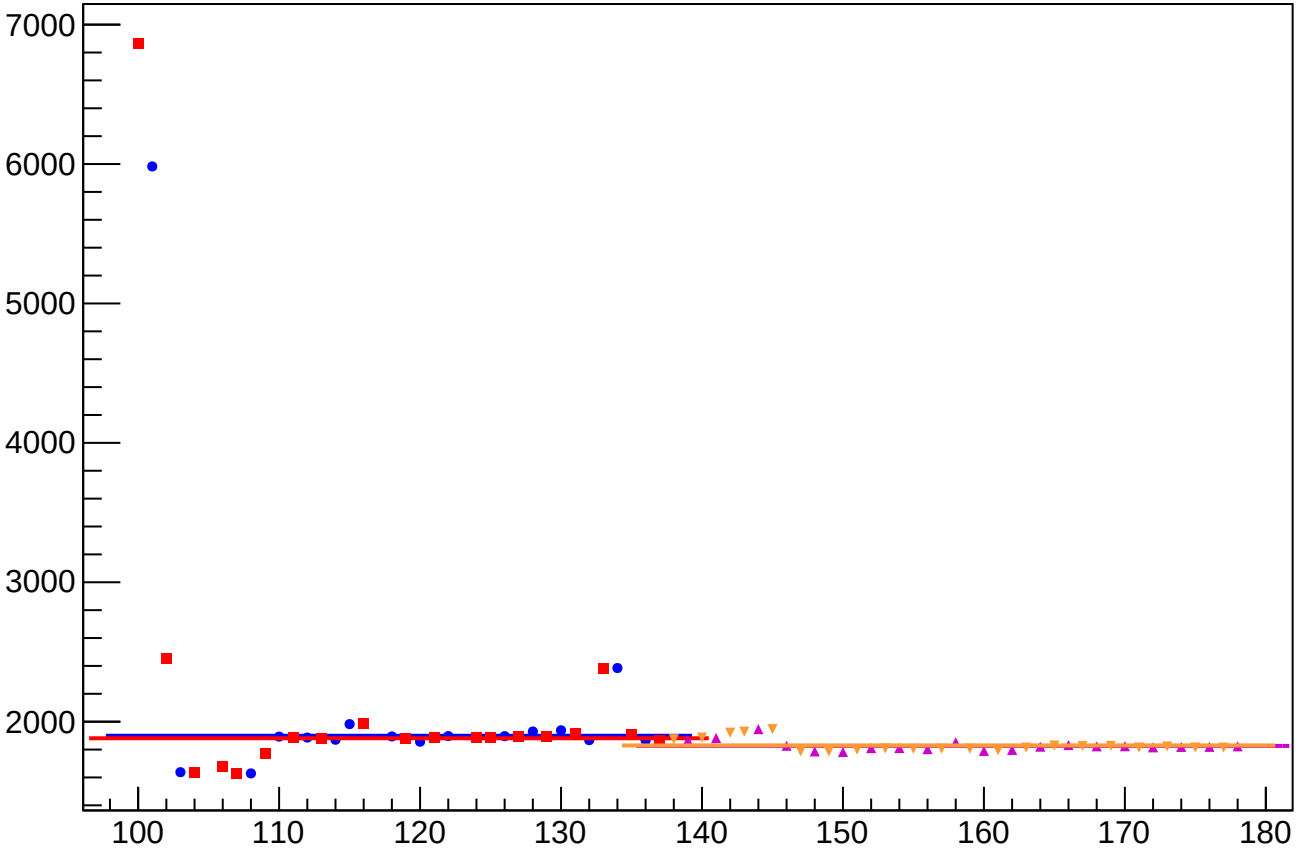
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -734.490+/-383.143 χ^2/NDF:34.6/35

Out: 643.388+/-377.915 χ^2/NDF:39.0/39

All: -36.086+/-269.056 χ^2/NDF: 80.2/75

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: 1826.139+/-0.319 χ^2/NDF:13275.4/19

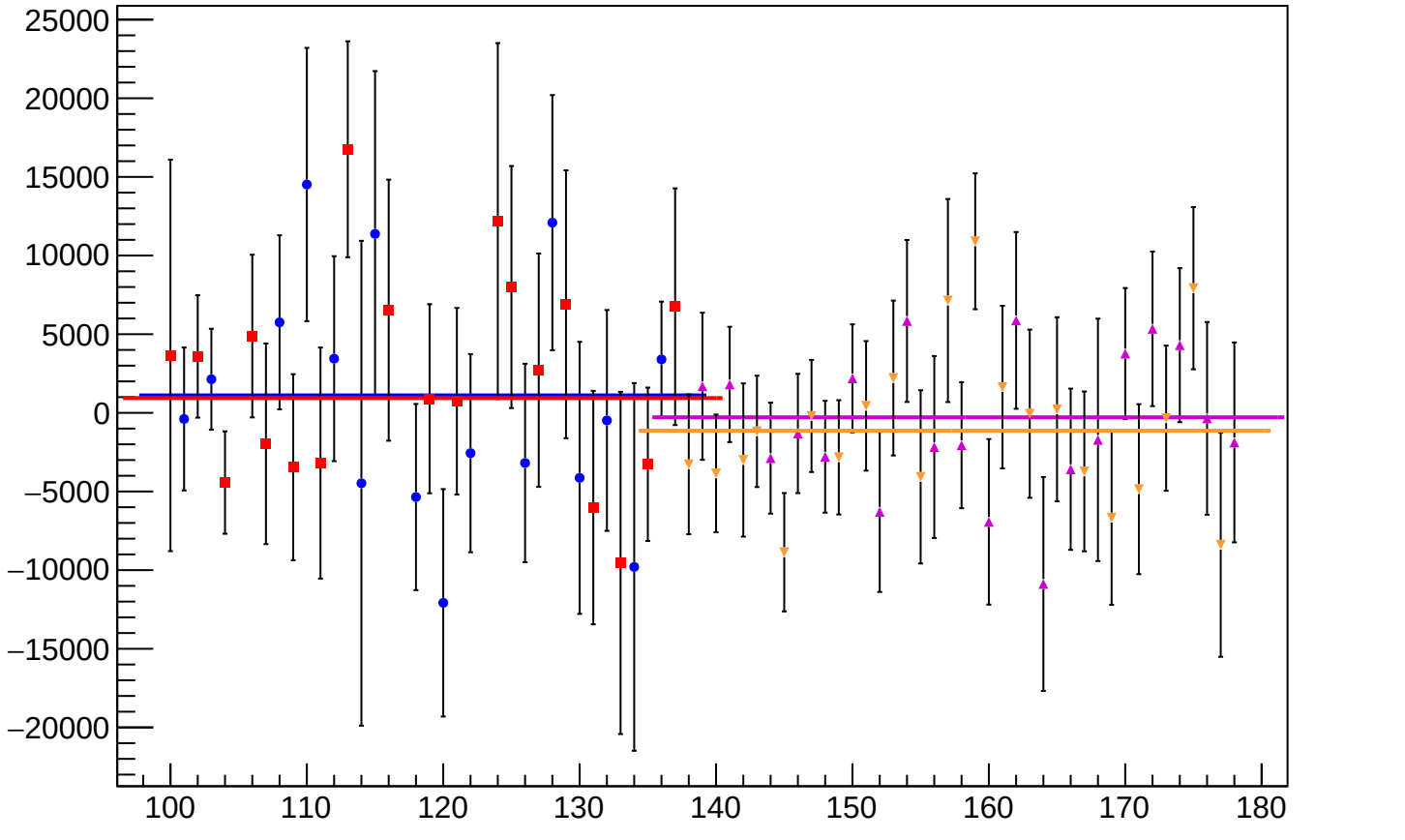
Left: 1827.793+/-0.225 χ^2/NDF: 32436.7/40

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1846.544+/-0.271 χ^2/NDF:725324.2/35

Out: 1844.336+/-0.267 χ^2/NDF:243338.8/39

All: 1845.424+/-0.190 χ^2/NDF: 968696.7/75



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: -282.034+/-1031.874 χ^2/NDF:14.1/19

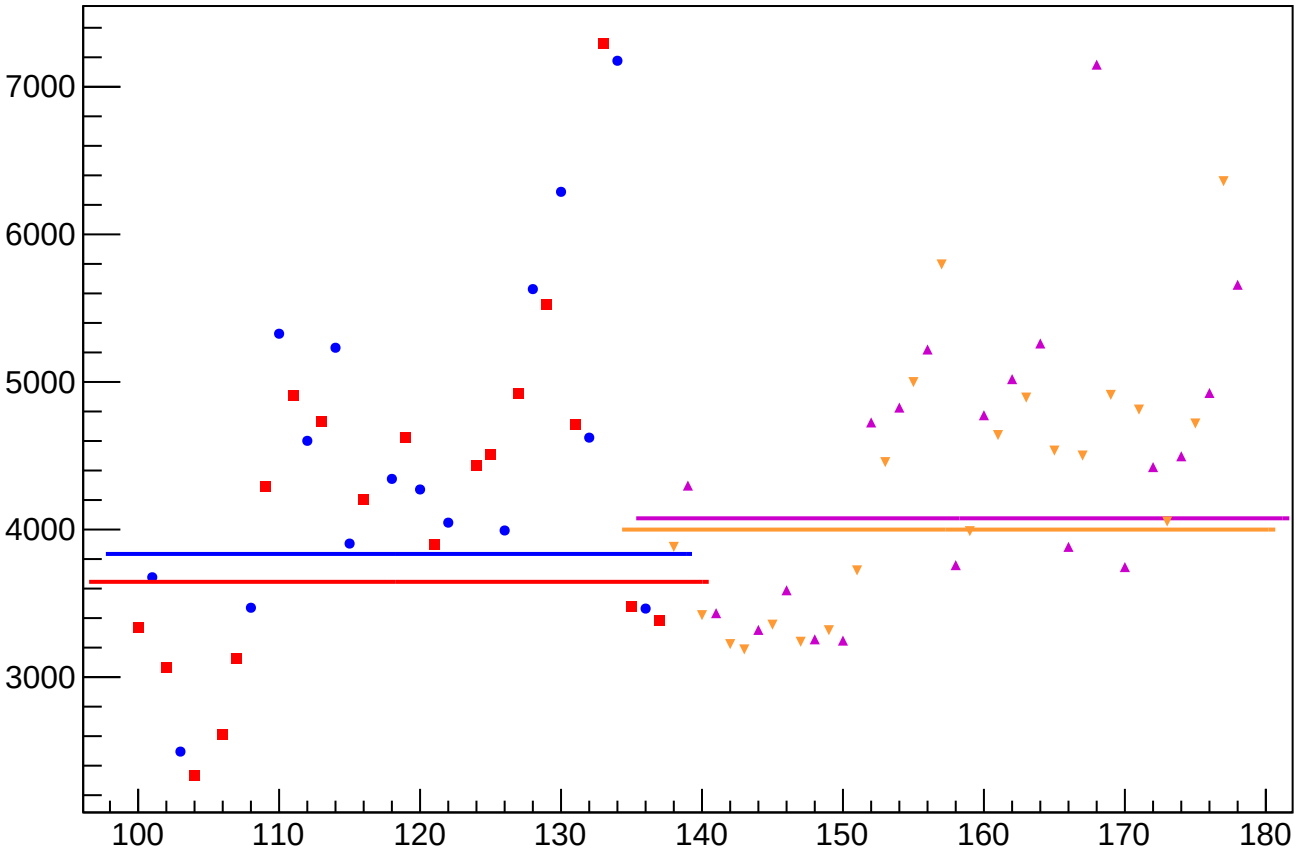
Left: -719.060+/-719.675 χ^2/NDF: 36.5/40

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: 174.035+/-846.346 χ^2/NDF:28.1/35

Out: -427.817+/-815.812 χ^2/NDF:39.6/39

All: -137.944+/-587.364 χ^2/NDF: 68.0/75



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: 4076.123+/-0.730 χ^2/NDF:1252977.6/19

Left: 4036.887+/-0.509 χ^2/NDF: 2412544.4/40

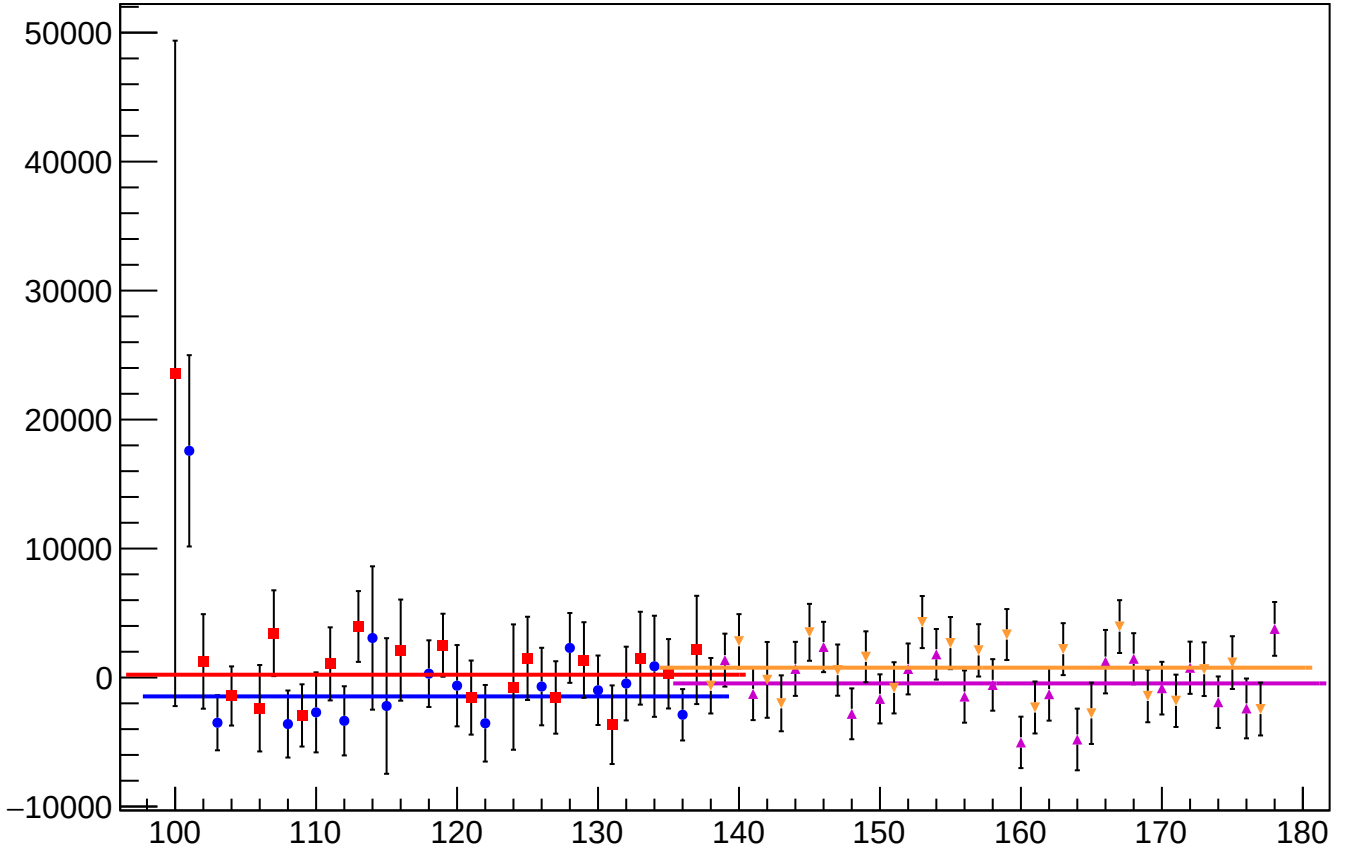
Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3997.110+/-0.598 χ^2/NDF:2245121.8/35

Out: 3879.334+/-0.577 χ^2/NDF:2363446.0/39

All: 3936.059+/-0.415 χ^2/NDF: 4628644.1/75

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: -454.644+/-458.883 χ^2/NDF:22.9/19

Left: 159.551+/-323.109 χ^2/NDF: 50.8/40

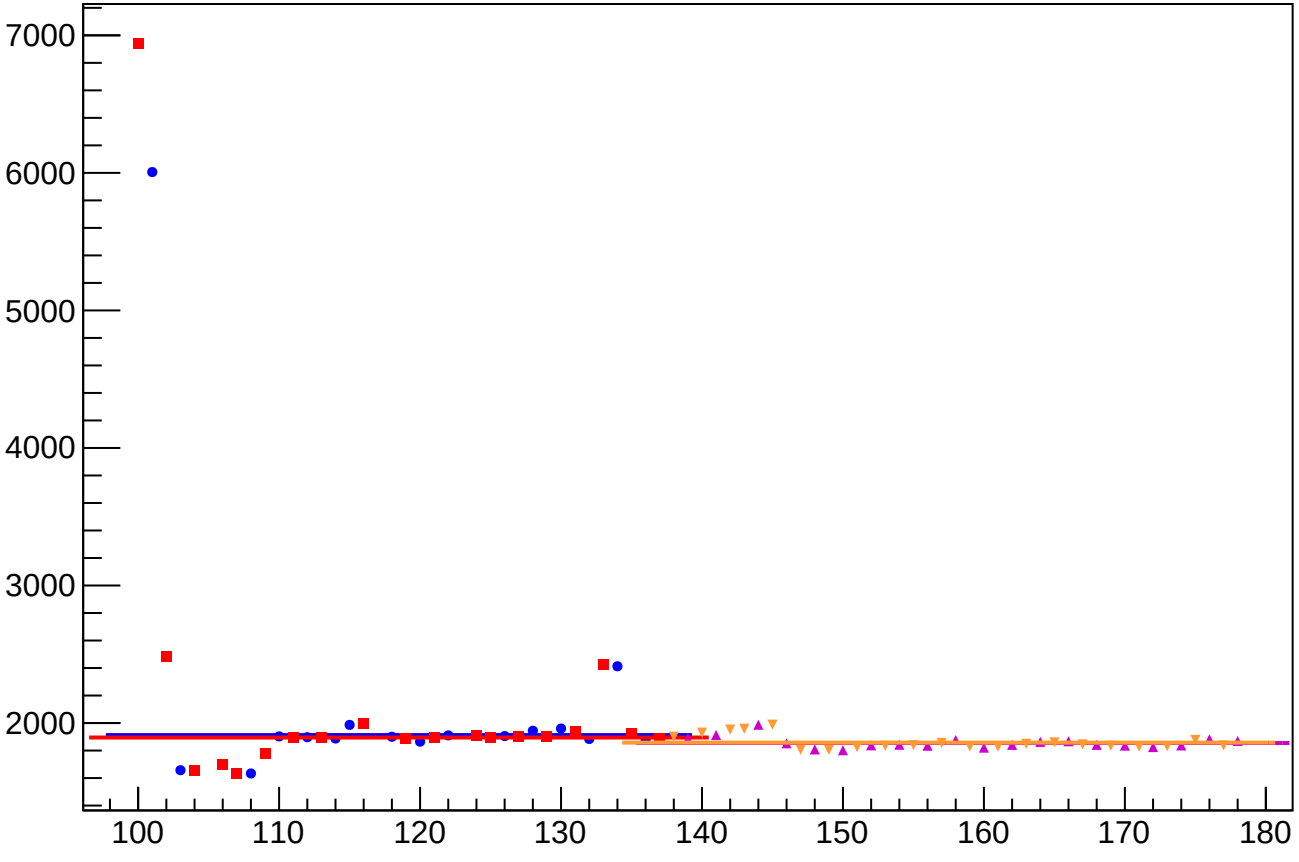
Right: -598.725+/-507.962 χ^2/NDF: 27.1/34

In: -741.107+/-388.240 χ^2/NDF:37.9/35

Out: 604.803+/-382.925 χ^2/NDF:35.5/39

All: -58.877+/-272.629 χ^2/NDF: 79.4/75

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: 1854.761+/-0.324 χ^2/NDF:15480.7/19

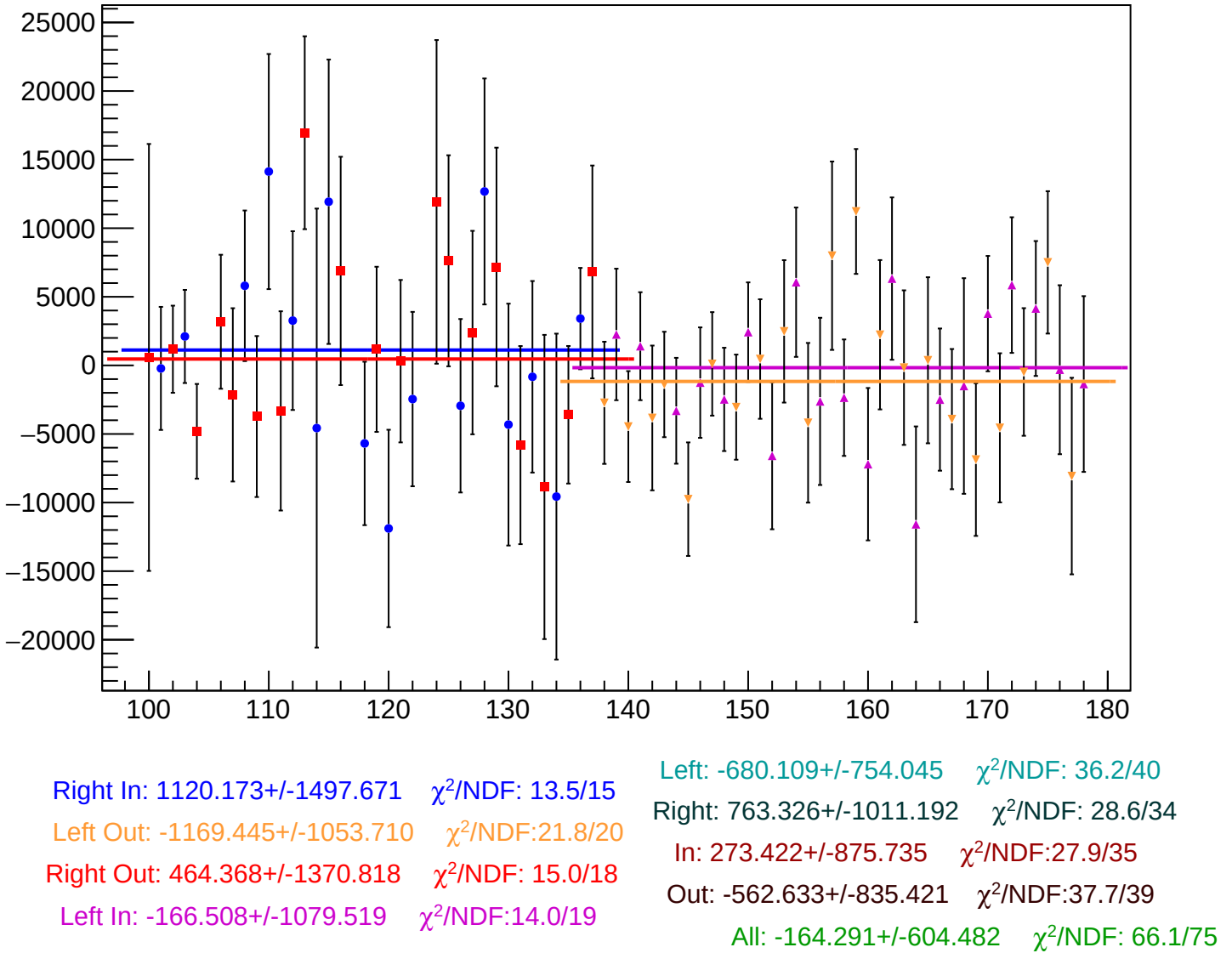
Left: 1856.323+/-0.228 χ^2/NDF: 38186.0/40

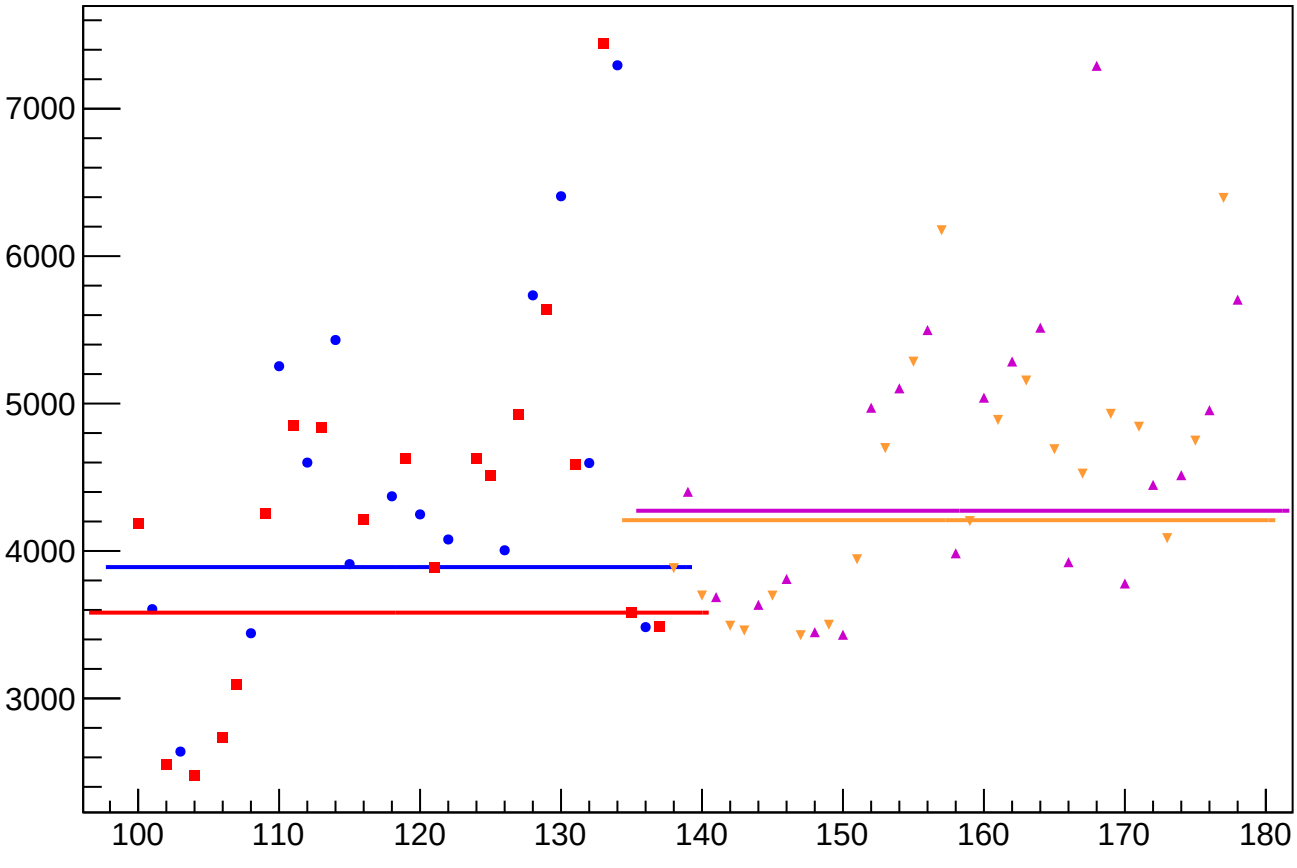
Right: 1903.324+/-0.359 χ^2/NDF: 916603.1/34

In: 1871.135+/-0.275 χ^2/NDF:720661.7/35

Out: 1868.645+/-0.271 χ^2/NDF:246286.1/39

All: 1869.872+/-0.193 χ^2/NDF: 966989.5/75


asym_atr_dd_dit_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
Right In: 1120.173+/-1497.671 χ²/NDF: 13.5/15
Left Out: -1169.445+/-1053.710 χ²/NDF:21.8/20
Right Out: 464.368+/-1370.818 χ²/NDF: 15.0/18
Left In: -166.508+/-1079.519 χ²/NDF:14.0/19
Left: -680.109+/-754.045 χ²/NDF: 36.2/40
Right: 763.326+/-1011.192 χ²/NDF: 28.6/34
In: 273.422+/-875.735 χ²/NDF:27.9/35
Out: -562.633+/-835.421 χ²/NDF:37.7/39
All: -164.291+/-604.482 χ²/NDF: 66.1/75



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: 4272.897+/-0.763 χ^2/NDF:1121396.8/19

Left: 4240.103+/-0.533 χ^2/NDF: 2100477.2/40

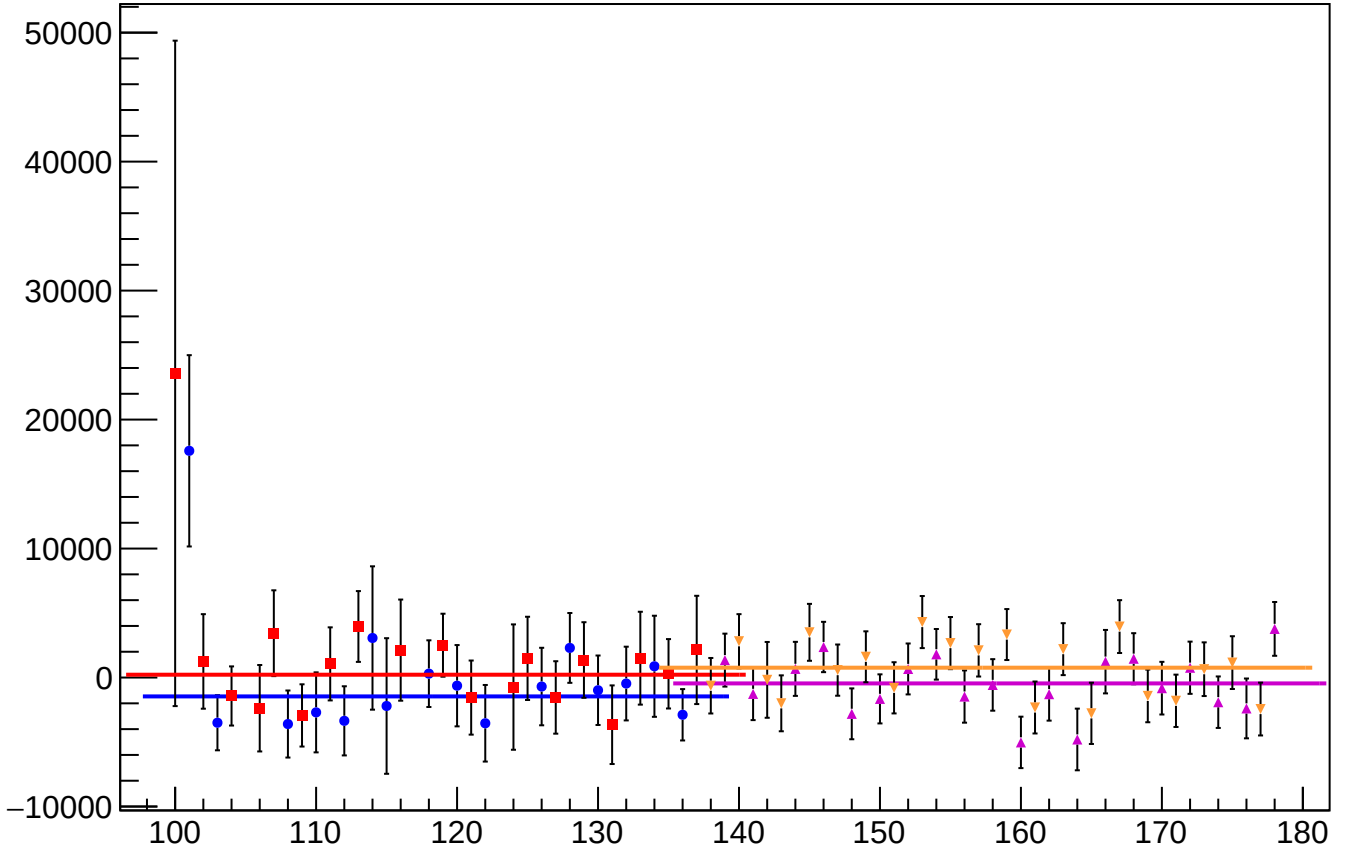
Right: 3722.609+/-0.715 χ^2/NDF: 2146577.5/34

In: 4142.223+/-0.619 χ^2/NDF:2085526.6/35

Out: 3975.956+/-0.591 χ^2/NDF:2460407.5/39

All: 4055.174+/-0.427 χ^2/NDF: 4583678.3/75

eigen_dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 763.488+/-455.033 χ^2/NDF:24.3/20

Right Out: 219.720+/-708.852 χ^2/NDF: 10.8/18

Left In: -454.646+/-458.883 χ^2/NDF:22.9/19

Left: 159.552+/-323.109 χ^2/NDF: 50.8/40

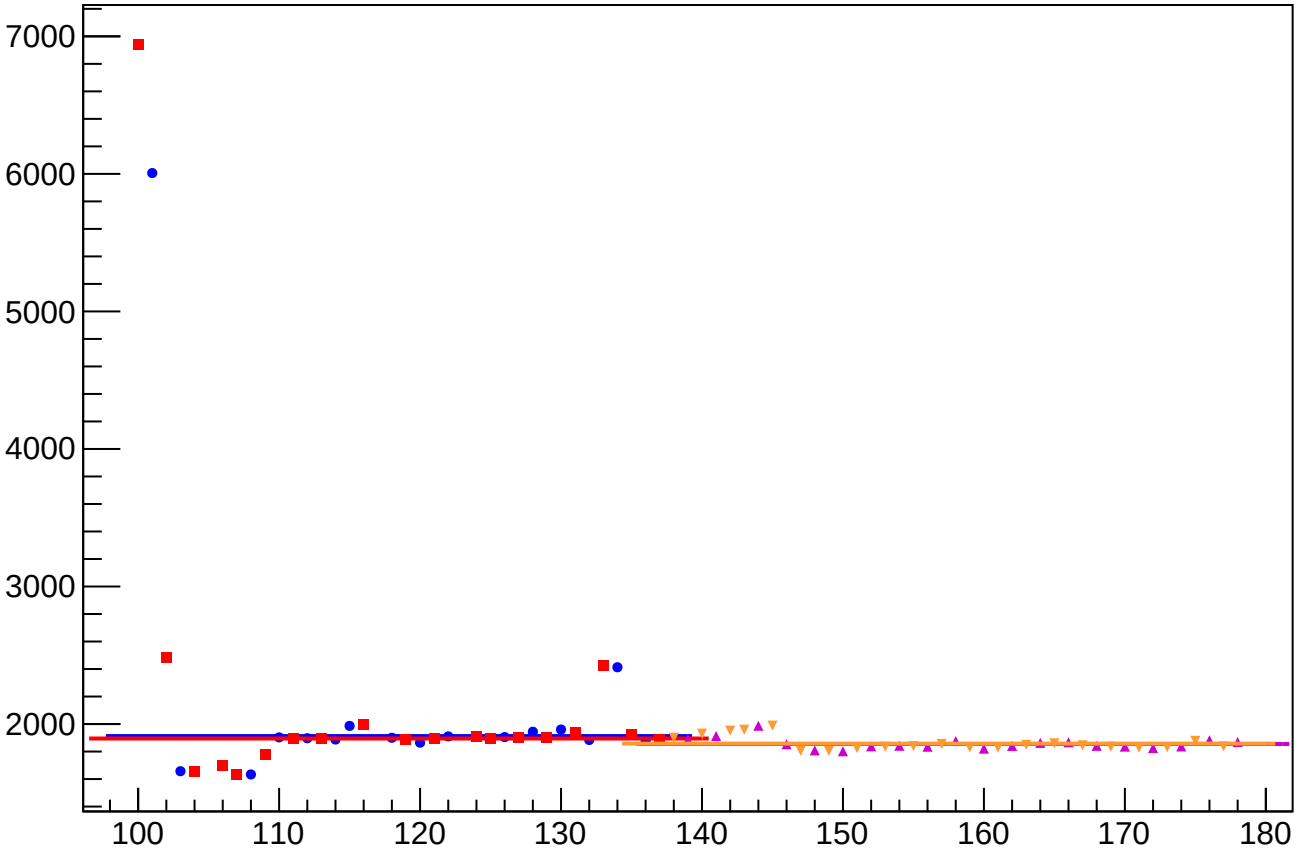
Right: -598.730+/-507.962 χ^2/NDF: 27.1/34

In: -741.110+/-388.240 χ^2/NDF:37.9/35

Out: 604.805+/-382.926 χ^2/NDF:35.5/39

All: -58.878+/-272.629 χ^2/NDF: 79.4/75

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: 1854.762+/-0.324 χ^2/NDF:15480.6/19

Left: 1856.323+/-0.228 χ^2/NDF: 38185.9/40

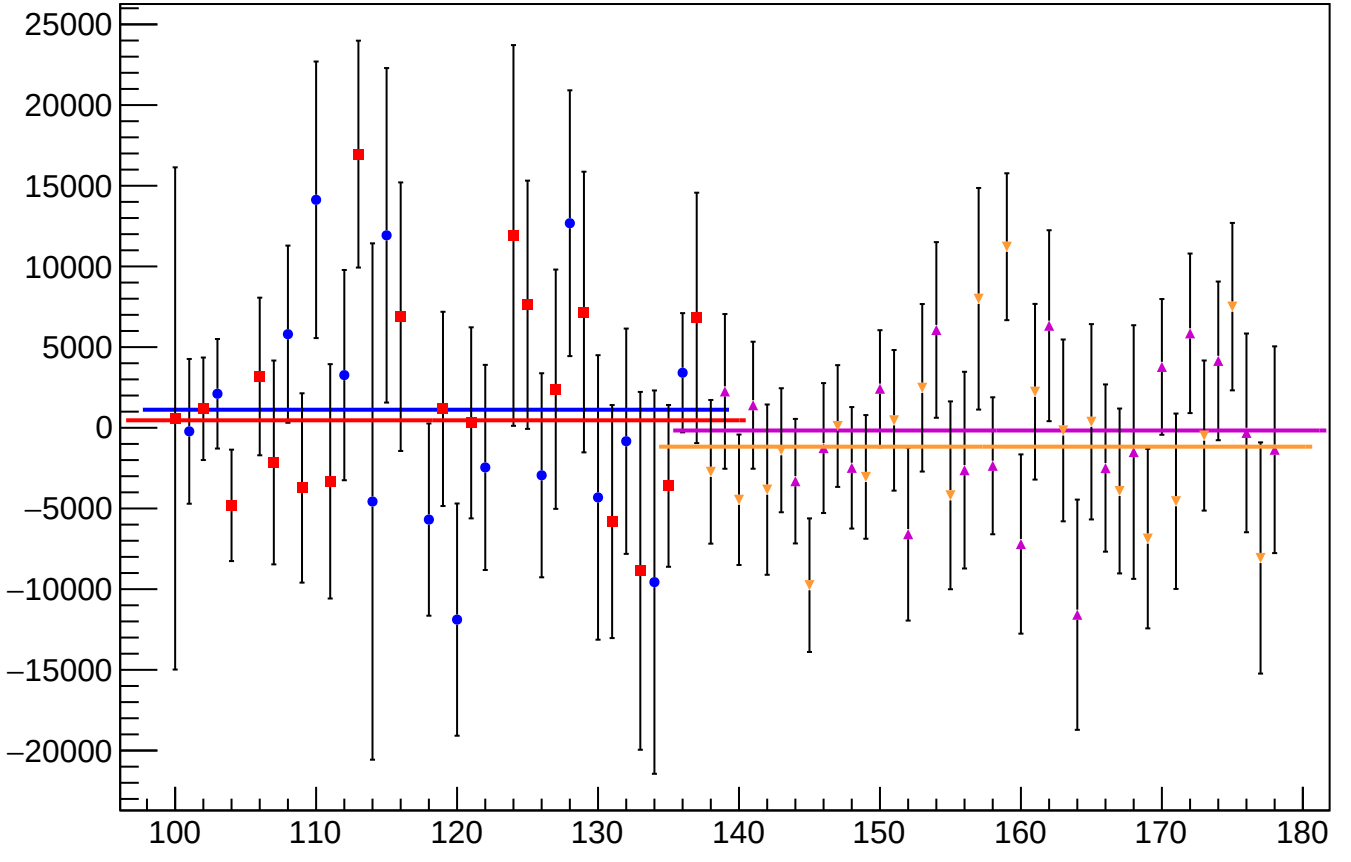
Right: 1903.324+/-0.359 χ^2/NDF: 916602.9/34

In: 1871.136+/-0.275 χ^2/NDF:720661.2/35

Out: 1868.645+/-0.271 χ^2/NDF:246286.0/39

All: 1869.873+/-0.193 χ^2/NDF: 966988.9/75

asym_atr_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1120.159+/-1497.669 χ^2/NDF: 13.5/15

Left Out: -1169.445+/-1053.712 χ^2/NDF:21.8/20

Right Out: 464.367+/-1370.817 χ^2/NDF: 15.0/18

Left In: -166.506+/-1079.521 χ^2/NDF:14.0/19

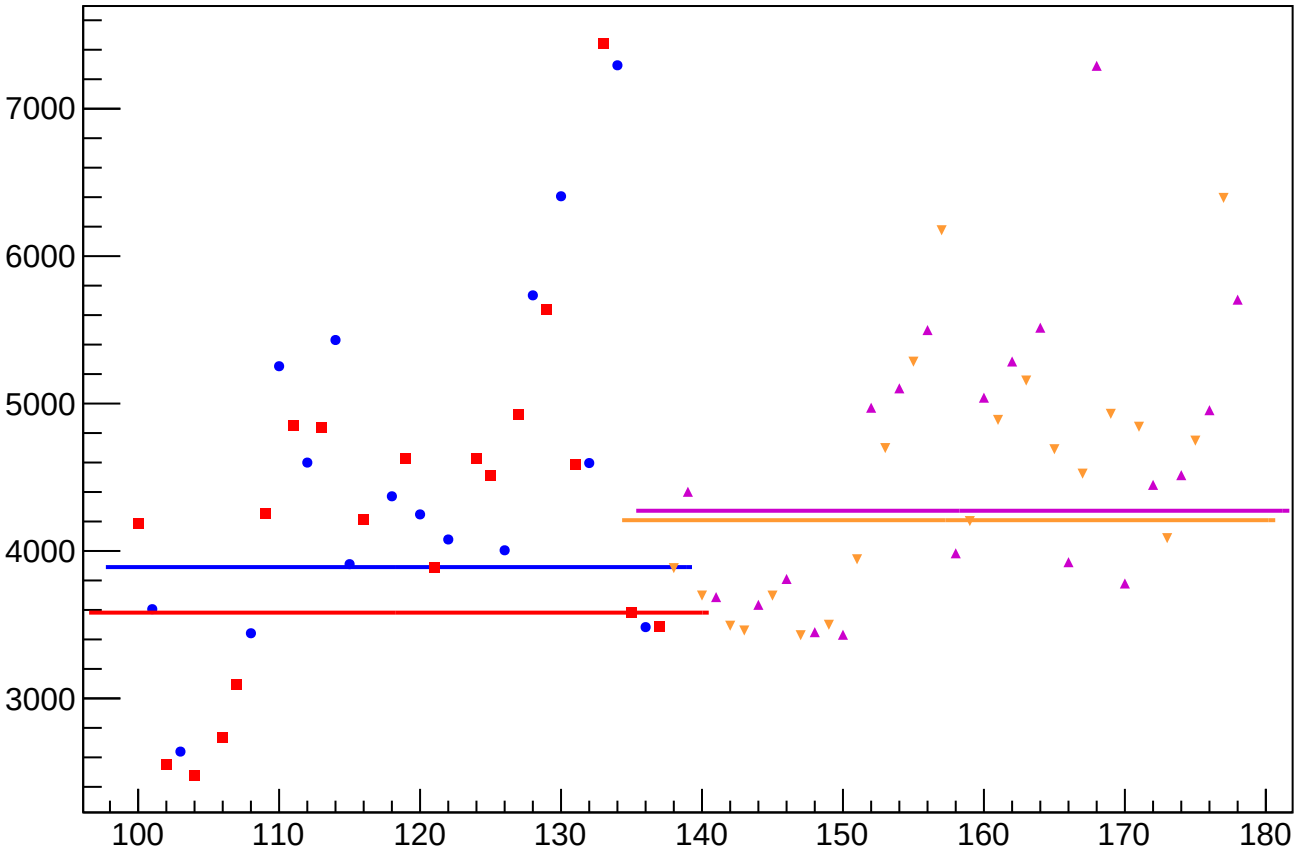
Left: -680.108+/-754.046 χ^2/NDF: 36.2/40

Right: 763.319+/-1011.191 χ^2/NDF: 28.6/34

In: 273.420+/-875.736 χ^2/NDF:27.9/35

Out: -562.631+/-835.422 χ^2/NDF:37.7/39

All: -164.291+/-604.482 χ^2/NDF: 66.1/75



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: 4272.904+/-0.763 χ^2/NDF:1121400.9/19

Left: 4240.110+/-0.533 χ^2/NDF: 2100481.9/40

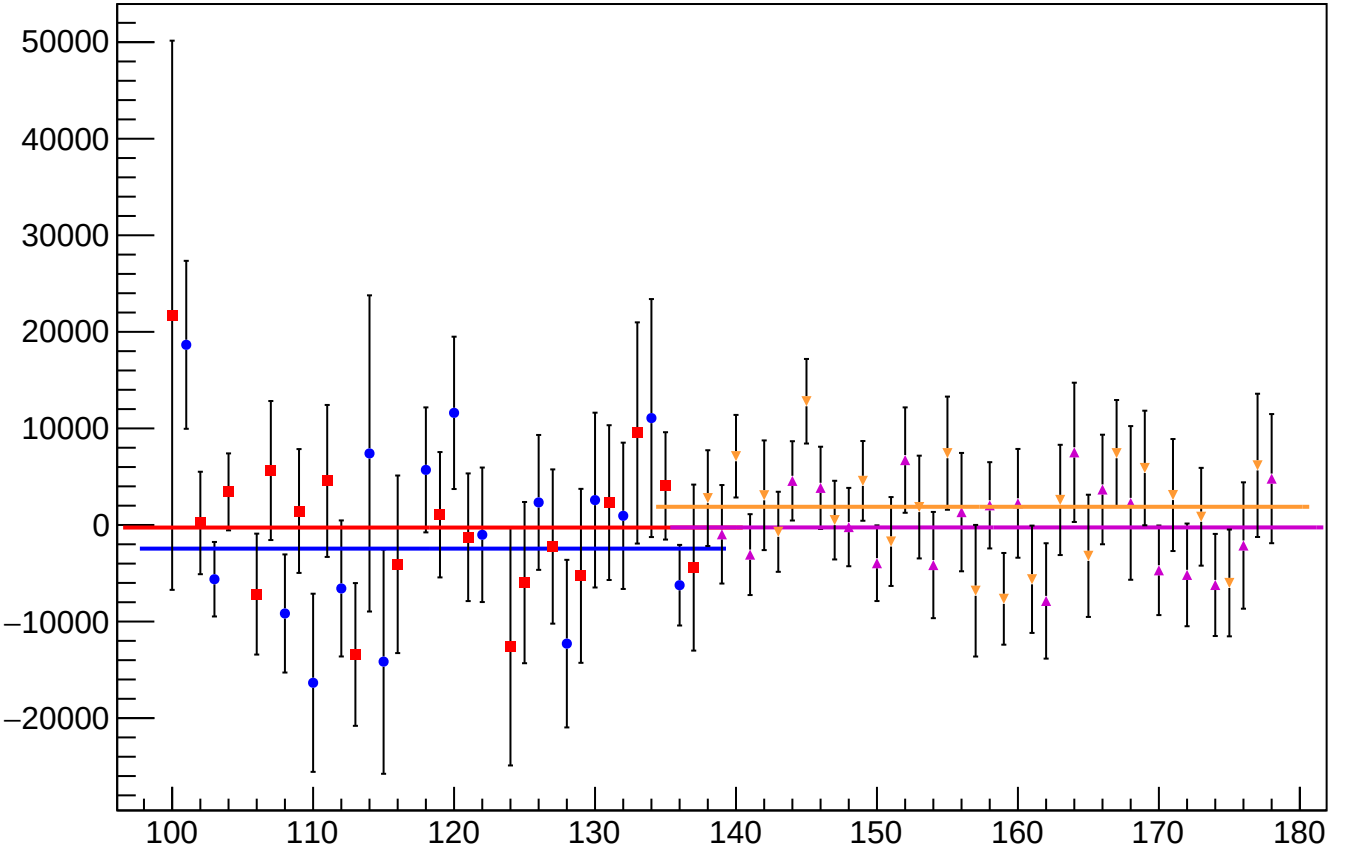
Right: 3722.606+/-0.715 χ^2/NDF: 2146560.1/34

In: 4142.226+/-0.619 χ^2/NDF:2085525.8/35

Out: 3975.958+/-0.591 χ^2/NDF:2460407.8/39

All: 4055.177+/-0.427 χ^2/NDF: 4583677.9/75

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: -252.891+/-1140.969 χ^2/NDF:13.4/19

Left: 838.561+/-797.990 χ^2/NDF: 37.5/40

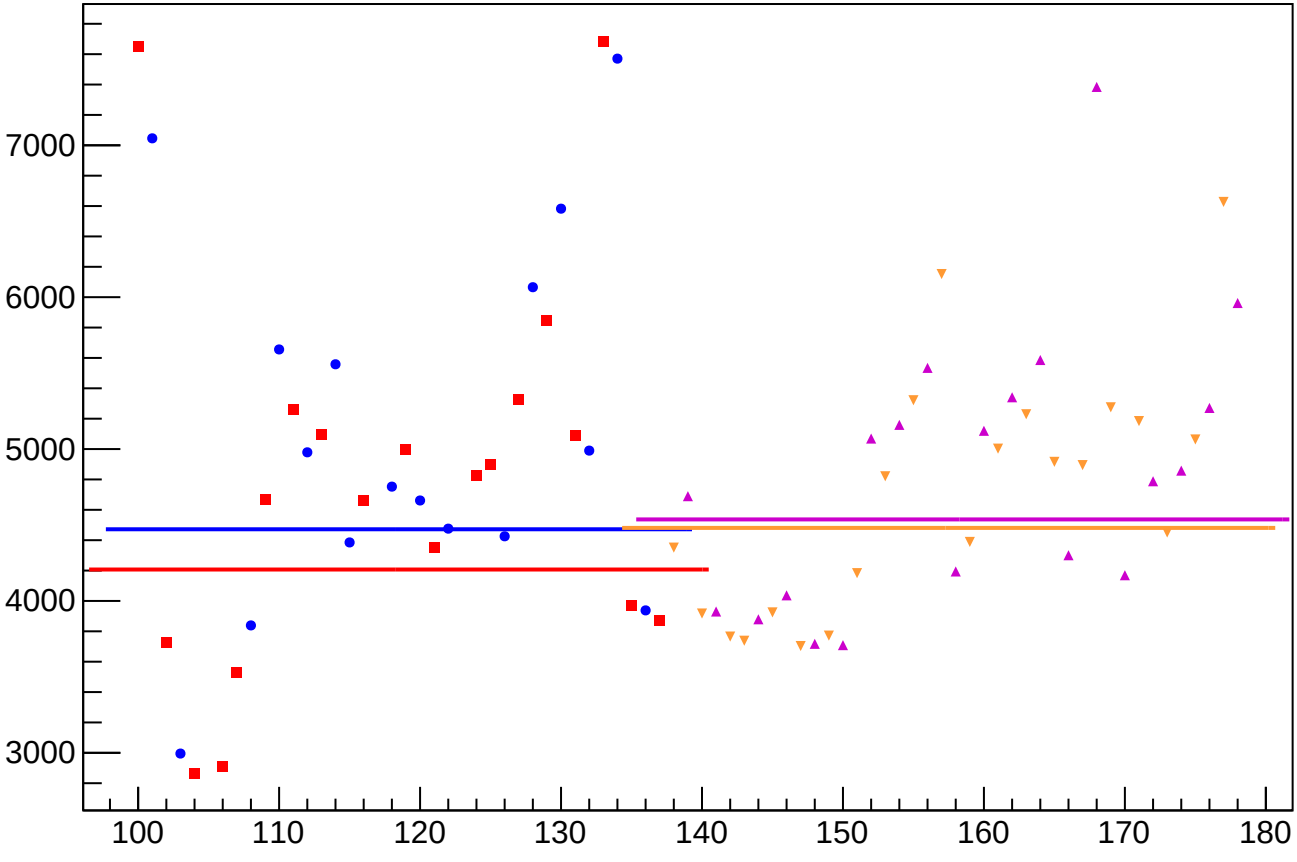
Right: -1293.712+/-1180.174 χ^2/NDF: 32.4/34

In: -923.906+/-950.743 χ^2/NDF:35.4/35

Out: 1192.950+/-919.775 χ^2/NDF:34.2/39

All: 169.559+/-661.056 χ^2/NDF: 72.2/75

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: 4536.781+/-0.807 χ^2/NDF:902839.6/19

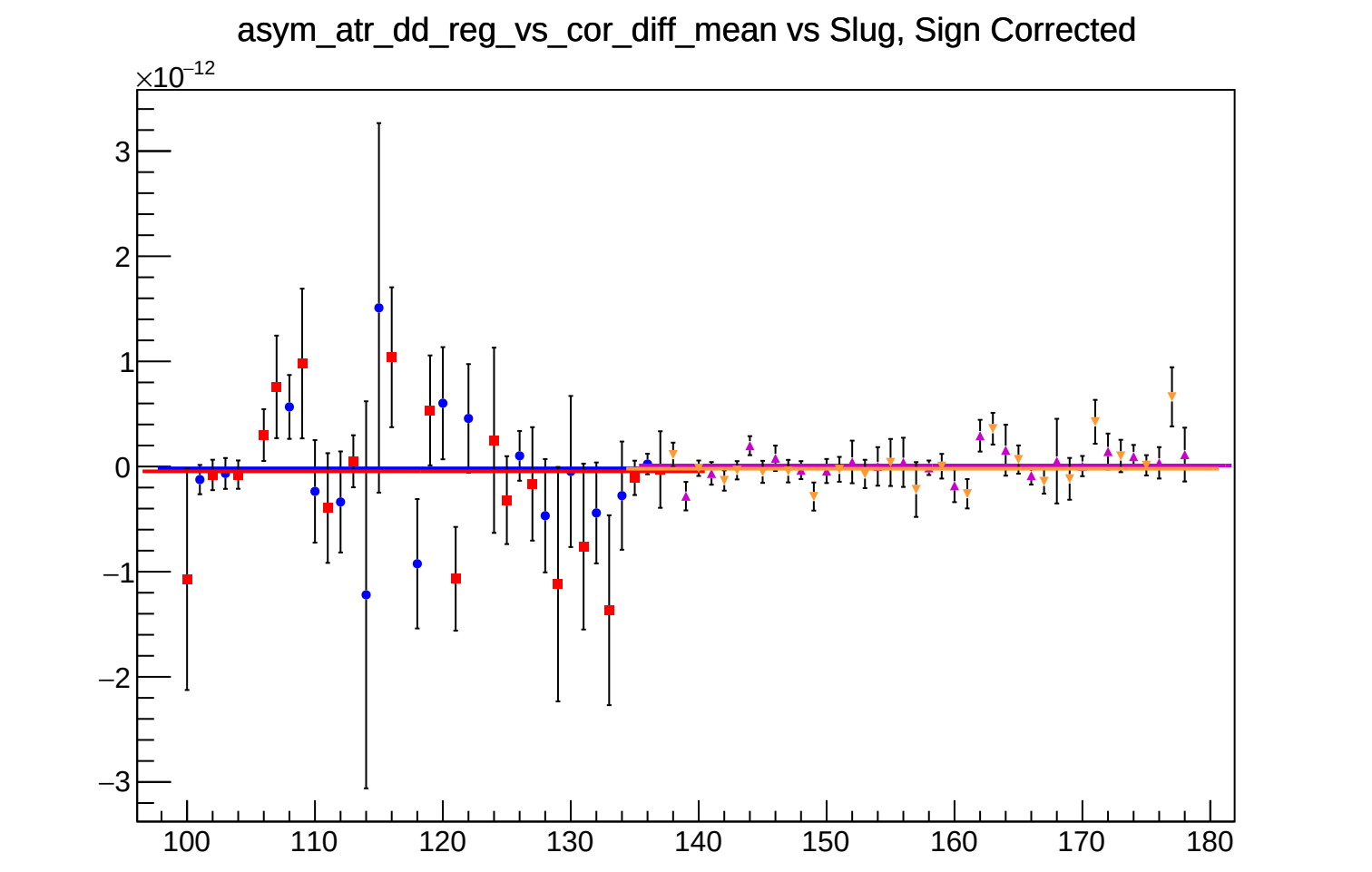
Left: 4508.240+/-0.564 χ^2/NDF: 1708004.6/40

Right: 4330.631+/-0.831 χ^2/NDF: 1763521.7/34

In: 4516.951+/-0.672 χ^2/NDF:1796494.5/35

Out: 4391.883+/-0.649 χ^2/NDF:1688379.0/39

All: 4452.182+/-0.467 χ^2/NDF: 3502797.1/75



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.9/20

Right Out: -0.000+/-0.000 χ^2/NDF: 21.2/18

Left In: 0.000+/-0.000 χ^2/NDF:18.5/19

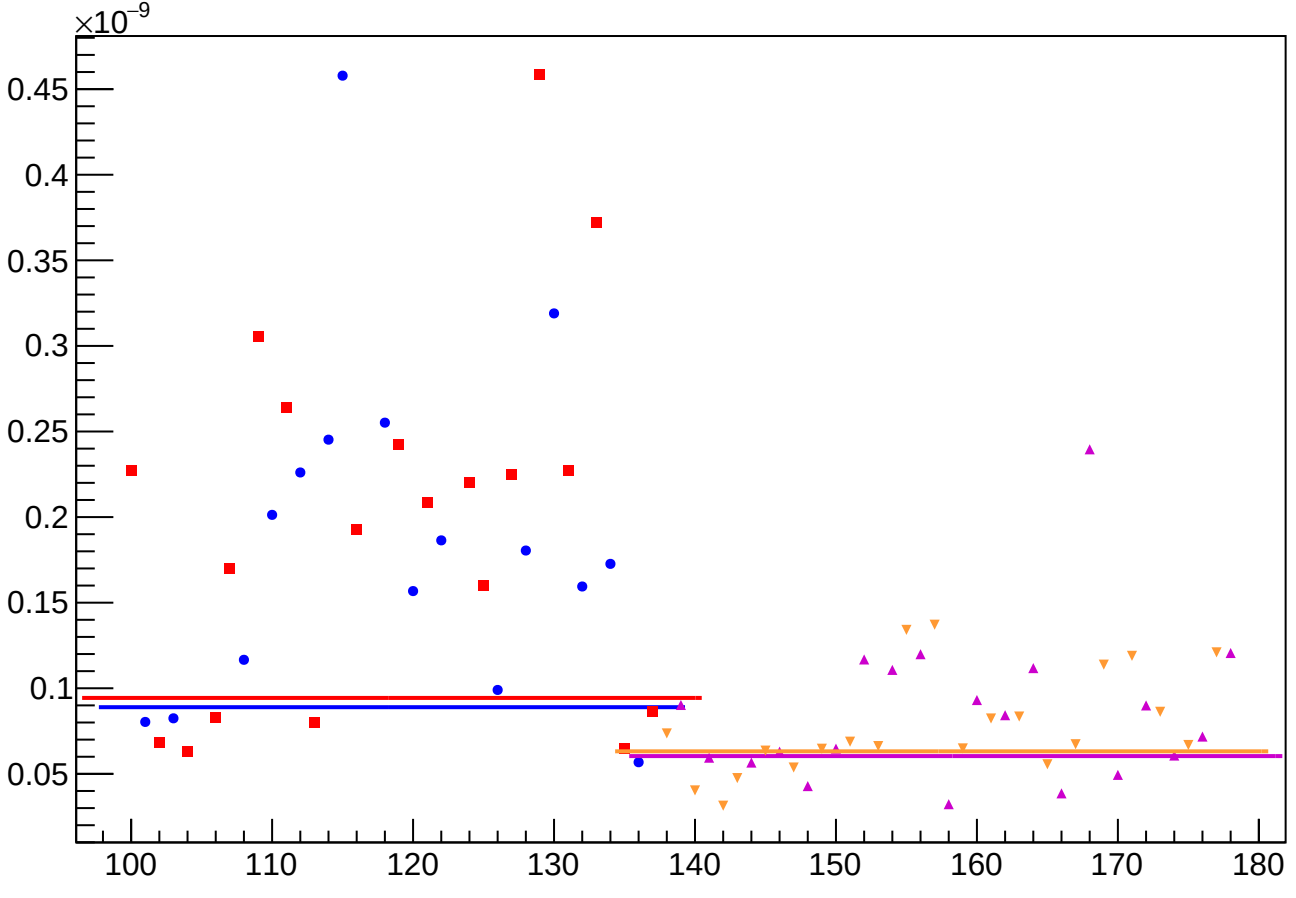
Left: -0.000+/-0.000 χ^2/NDF: 49.0/40

Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: 0.000+/-0.000 χ^2/NDF:31.4/35

Out: -0.000+/-0.000 χ^2/NDF:51.2/39

All: -0.000+/-0.000 χ^2/NDF: 83.3/75



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:1917248.5/19

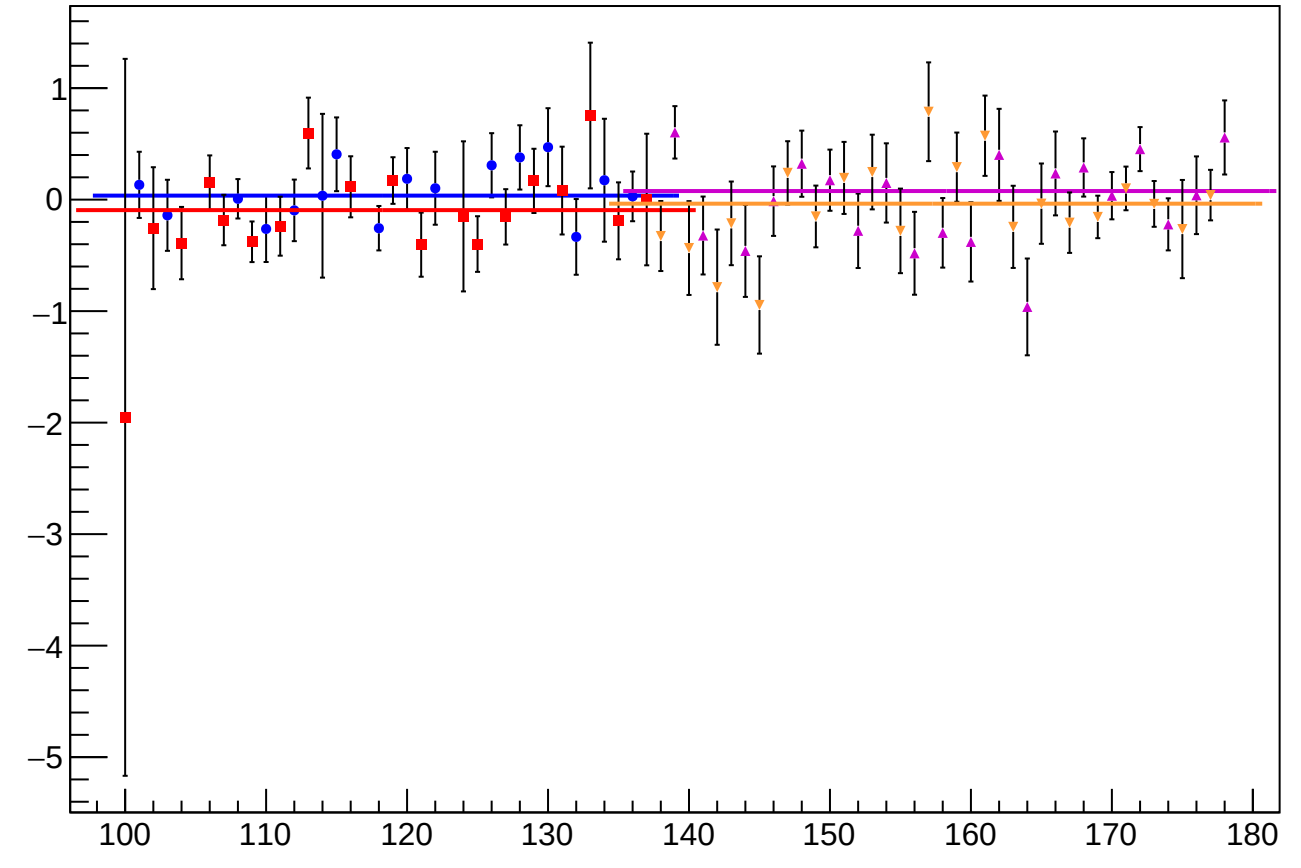
Left: 0.000+/-0.000 χ^2/NDF: 3293620.9/40

Right: 0.000+/-0.000 χ^2/NDF: 2932262.7/34

In: 0.000+/-0.000 χ^2/NDF:3508989.2/35

Out: 0.000+/-0.000 χ^2/NDF:3424734.4/39

All: 0.000+/-0.000 χ^2/NDF: 6942007.2/75



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: 0.077+/-0.067 χ^2/NDF:30.0/19

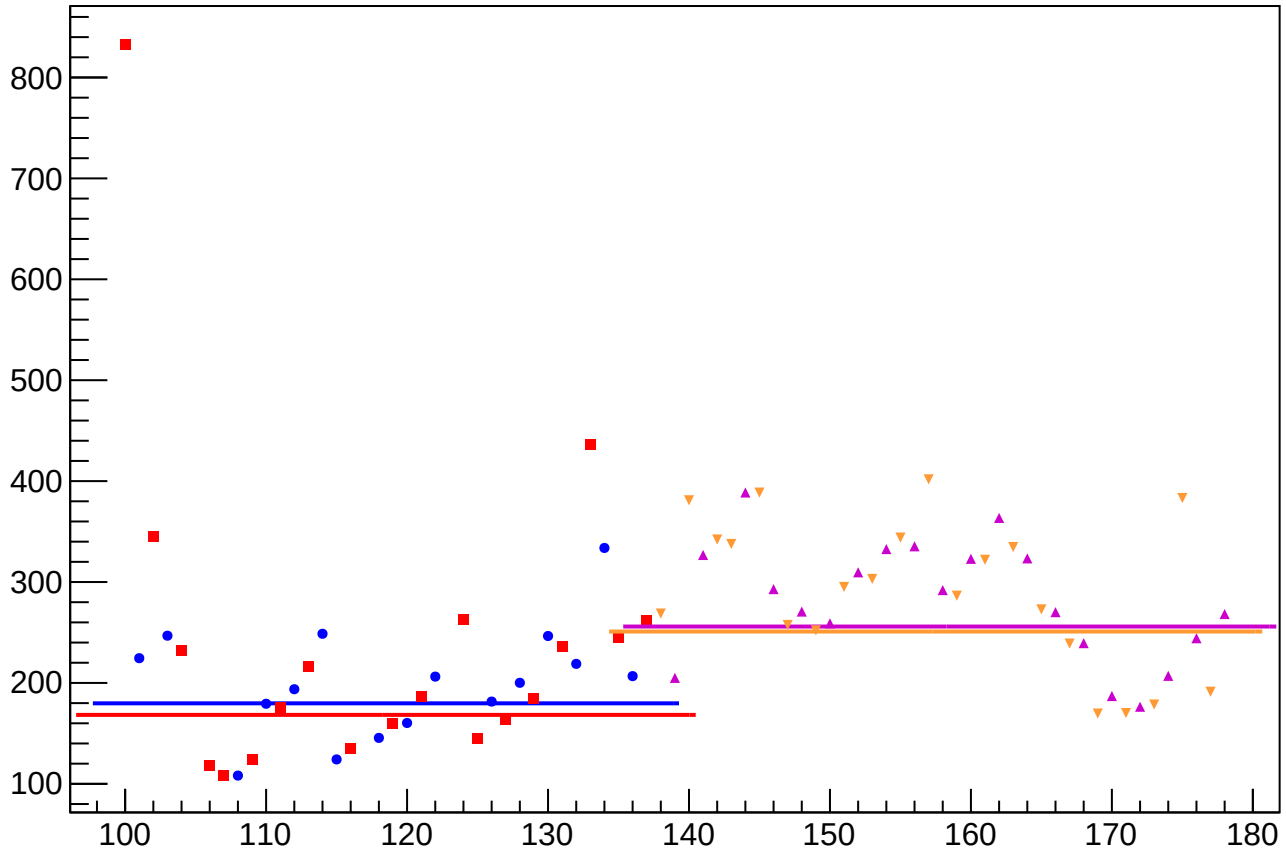
Left: 0.019+/-0.046 χ^2/NDF: 52.1/40

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.058+/-0.048 χ^2/NDF:40.7/35

Out: -0.064+/-0.047 χ^2/NDF:38.6/39

All: -0.005+/-0.034 χ^2/NDF: 82.6/75



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: 255.892+/-0.047 χ^2/NDF:1574572.1/19

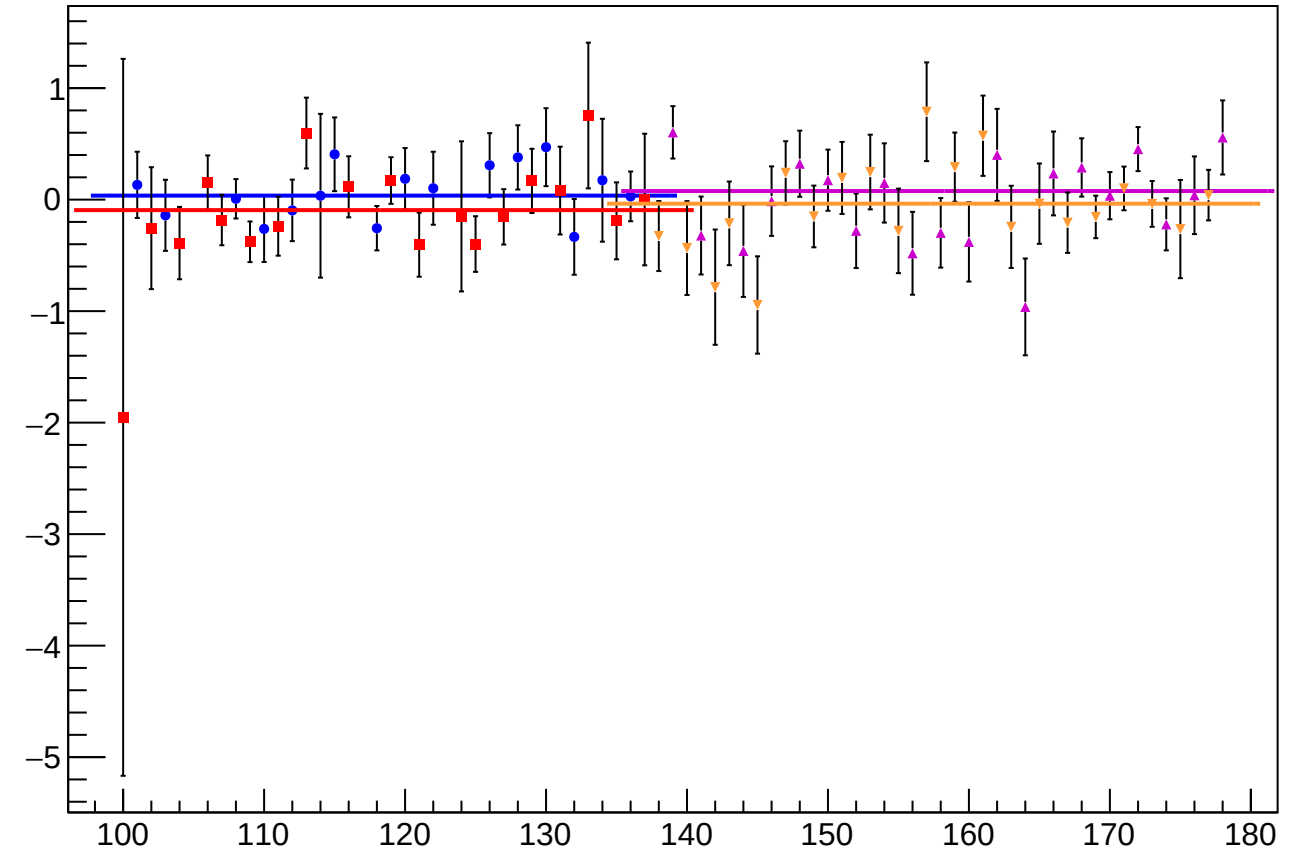
Left: 253.355+/-0.033 χ^2/NDF: 4076109.8/40

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 220.083+/-0.034 χ^2/NDF:3723954.9/35

Out: 211.273+/-0.033 χ^2/NDF:5455887.2/39

All: 215.535+/-0.024 χ^2/NDF: 9214024.4/75



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: 0.077+/-0.067 χ^2/NDF:30.0/19

Left: 0.019+/-0.046 χ^2/NDF: 52.1/40

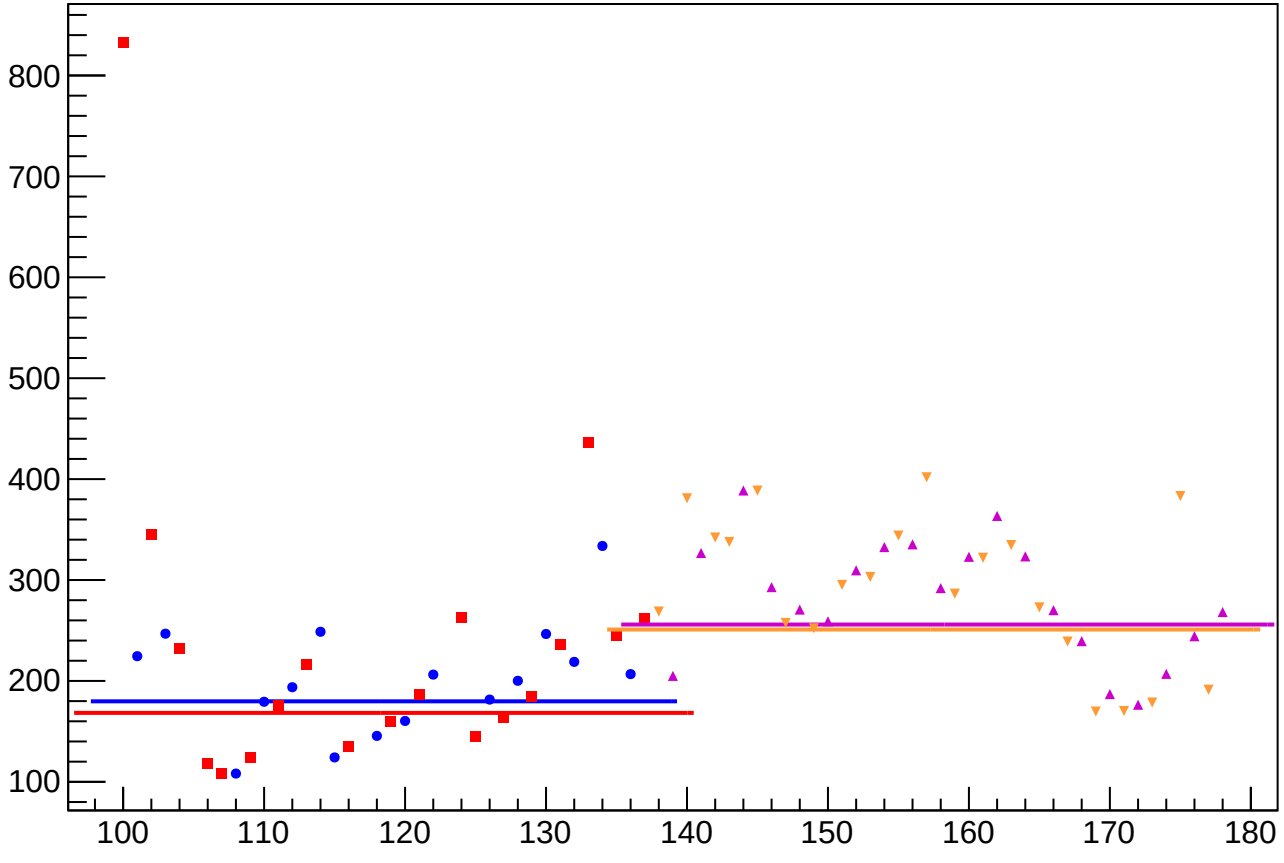
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.058+/-0.048 χ^2/NDF:40.7/35

Out: -0.064+/-0.047 χ^2/NDF:38.6/39

All: -0.005+/-0.034 χ^2/NDF: 82.6/75

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: 255.892+/-0.047 χ^2/NDF:1574572.1/19

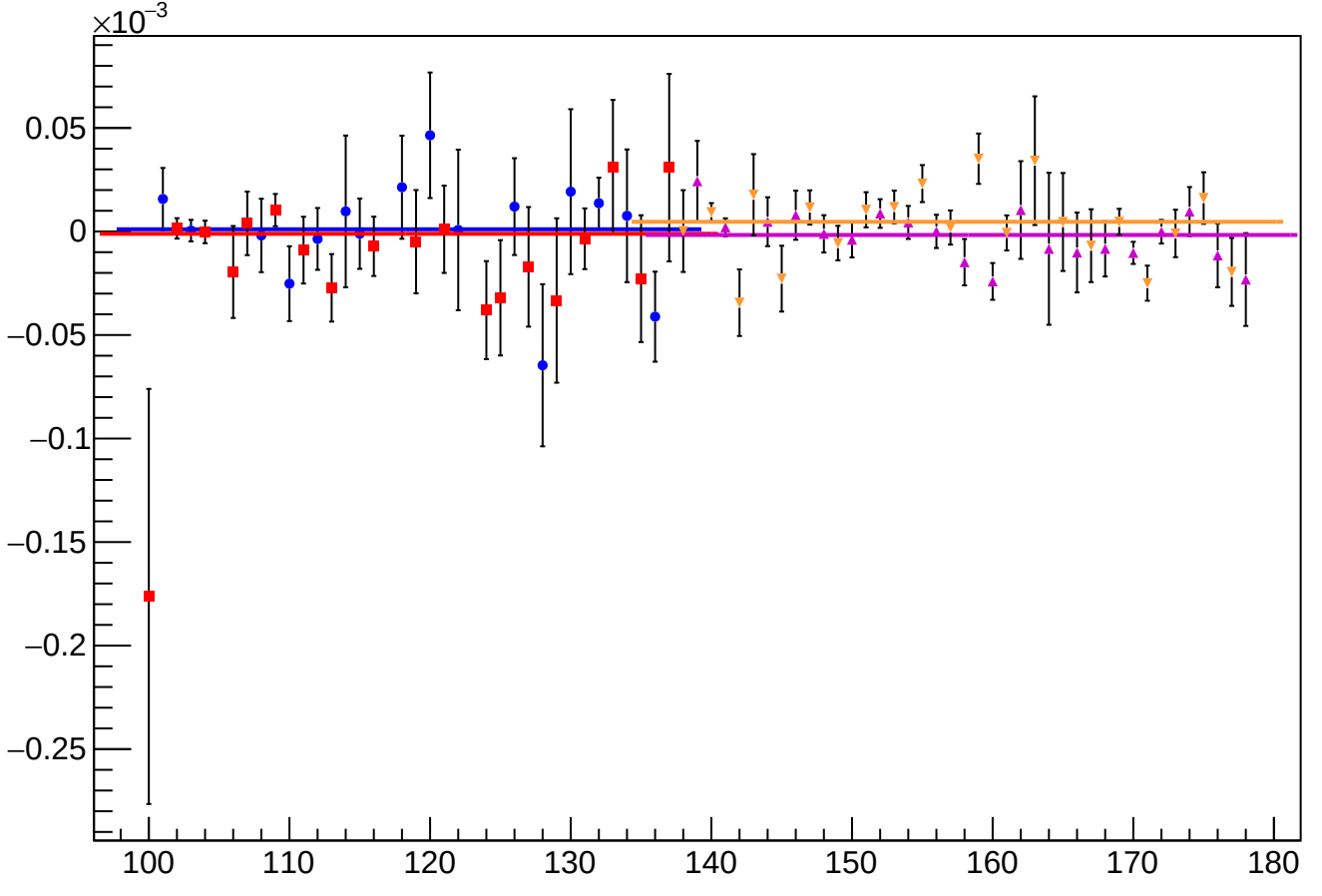
Left: 253.355+/-0.033 χ^2/NDF: 4076109.8/40

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 220.083+/-0.034 χ^2/NDF:3723954.9/35

Out: 211.273+/-0.033 χ^2/NDF:5455887.2/39

All: 215.535+/-0.024 χ^2/NDF: 9214024.4/75



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:19.8/19

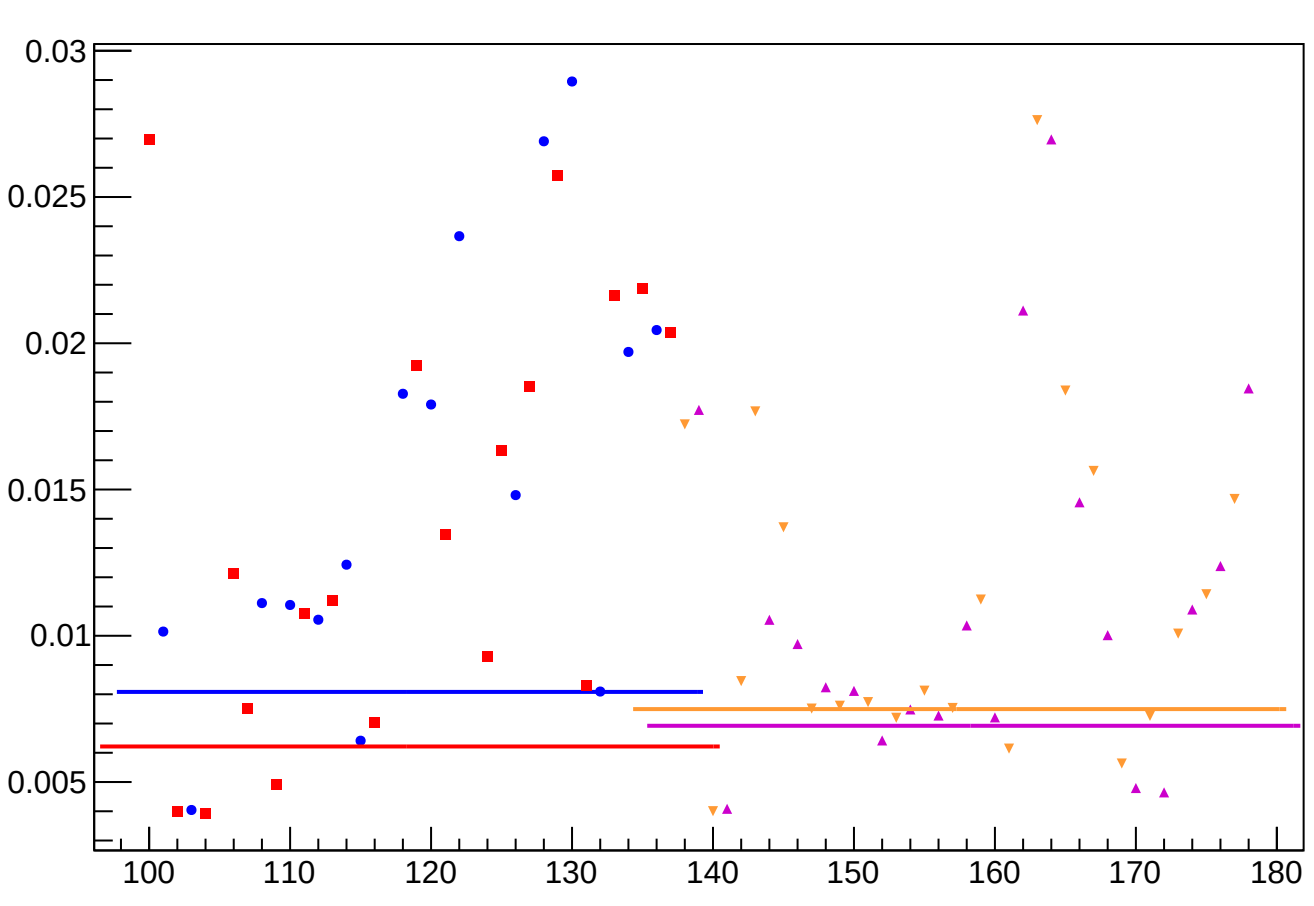
Left: 0.000+/-0.000 χ^2/NDF: 66.7/40

Right: -0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:34.5/35

Out: 0.000+/-0.000 χ^2/NDF:60.7/39

All: 0.000+/-0.000 χ^2/NDF: 97.6/75



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:5445155.0/19

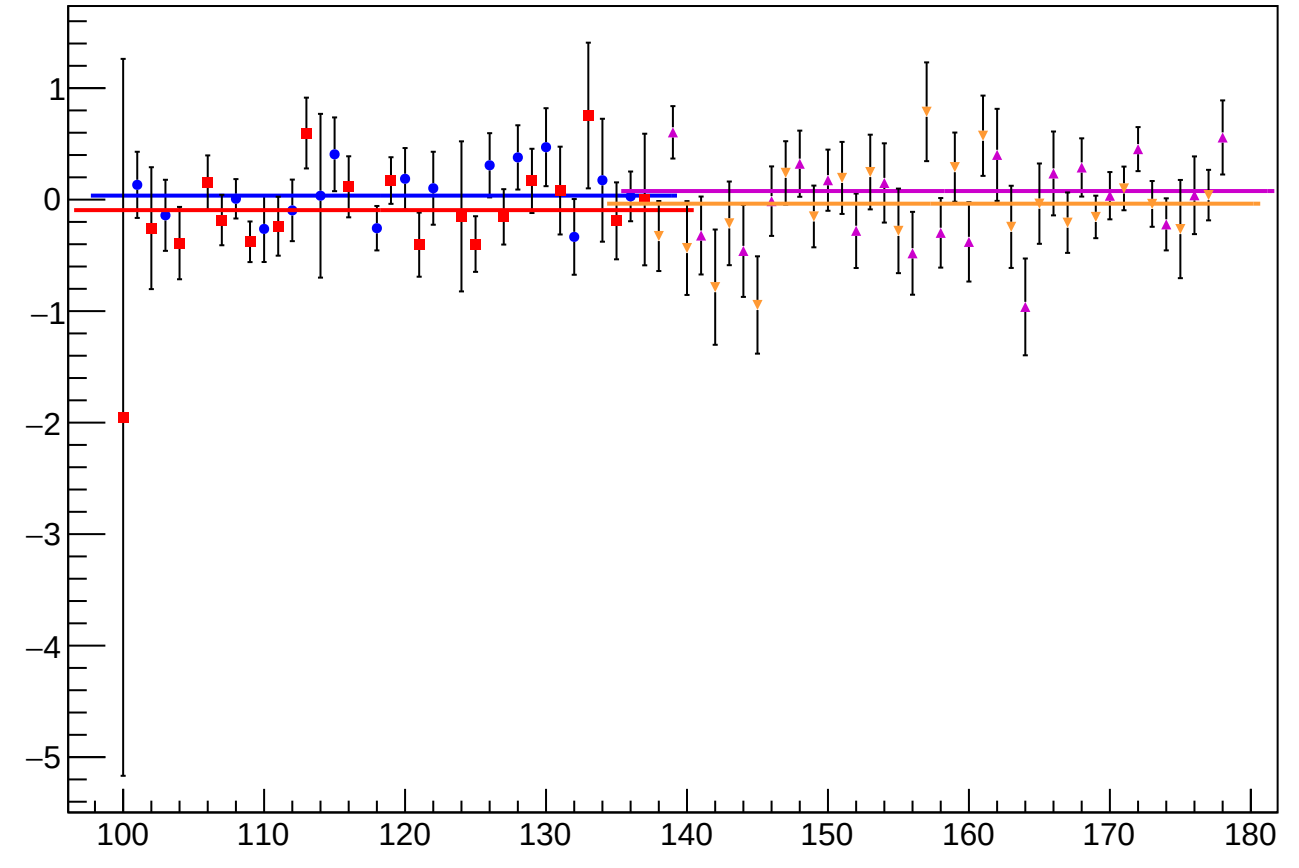
Left: 0.007+/-0.000 χ^2/NDF: 10947108.0/40

Right: 0.007+/-0.000 χ^2/NDF: 9295058.4/34

In: 0.007+/-0.000 χ^2/NDF:10010566.4/35

Out: 0.007+/-0.000 χ^2/NDF:10251012.5/39

All: 0.007+/-0.000 χ^2/NDF: 20267356.4/75



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: 0.077+/-0.067 χ^2/NDF:30.0/19

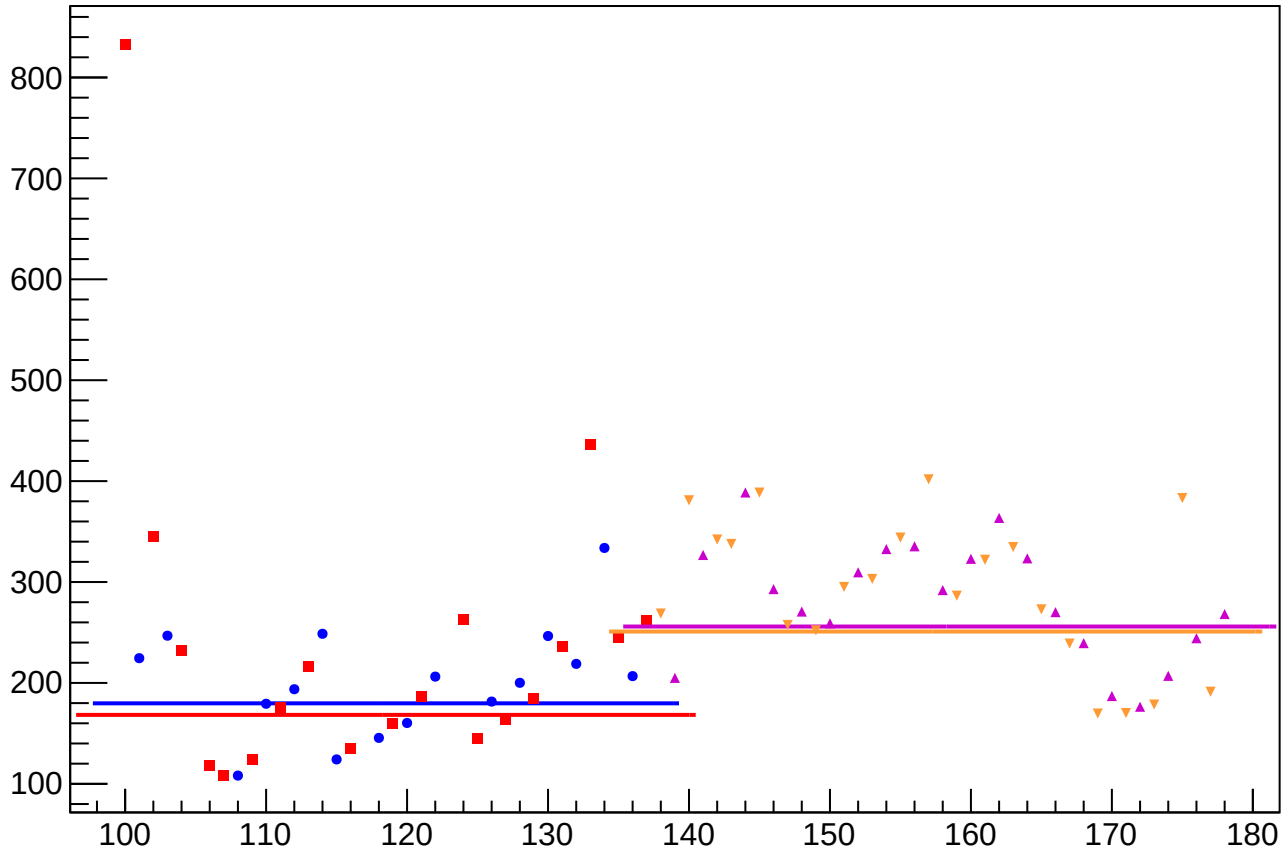
Left: 0.019+/-0.046 χ^2/NDF: 52.1/40

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.058+/-0.048 χ^2/NDF:40.7/35

Out: -0.064+/-0.047 χ^2/NDF:38.6/39

All: -0.005+/-0.034 χ^2/NDF: 82.6/75



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: 255.895+/-0.047 χ^2/NDF:1574624.8/19

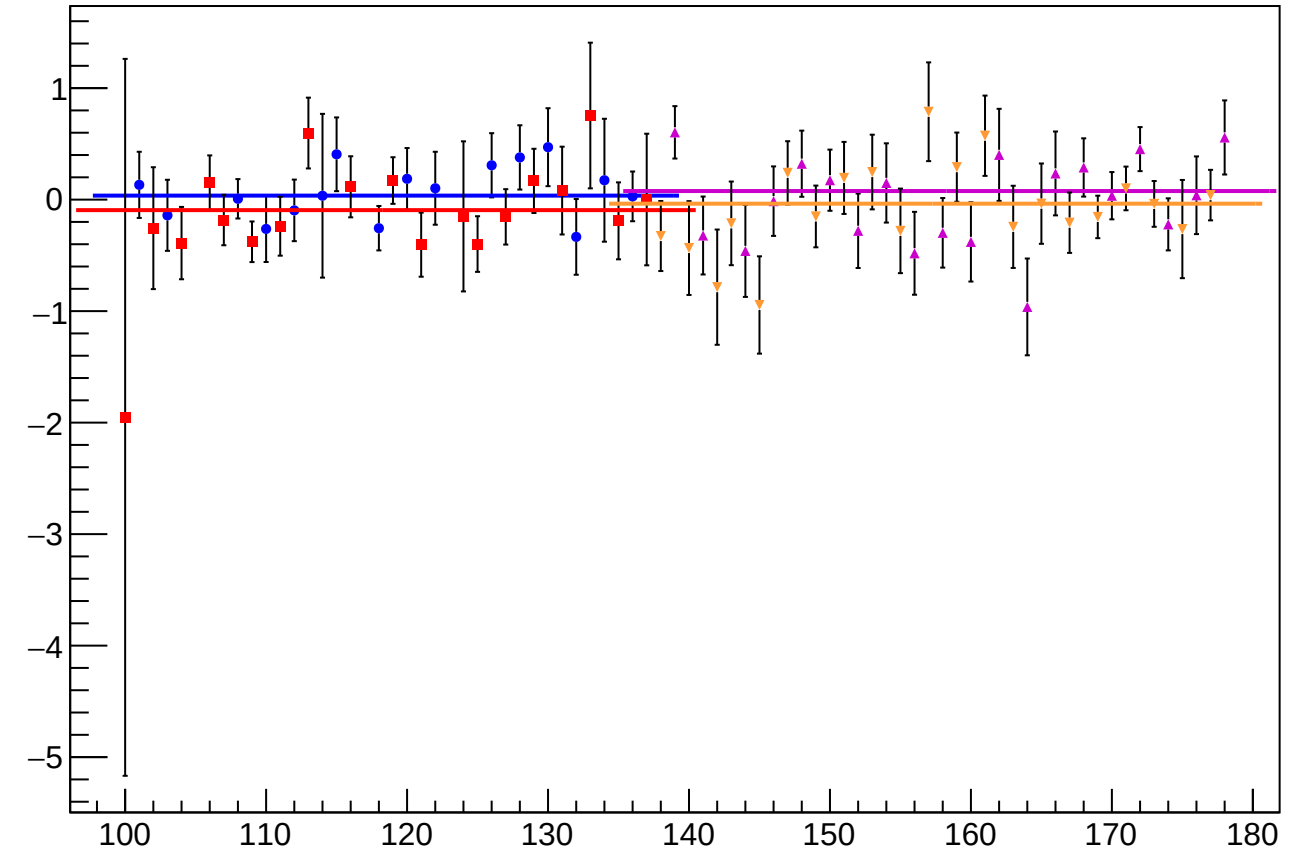
Left: 253.357+/-0.033 χ^2/NDF: 4076283.7/40

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 220.082+/-0.034 χ^2/NDF:3724218.7/35

Out: 211.274+/-0.033 χ^2/NDF:5456061.1/39

All: 215.535+/-0.024 χ^2/NDF: 9214452.6/75



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: 0.077+/-0.067 χ^2/NDF:30.0/19

Left: 0.019+/-0.046 χ^2/NDF: 52.1/40

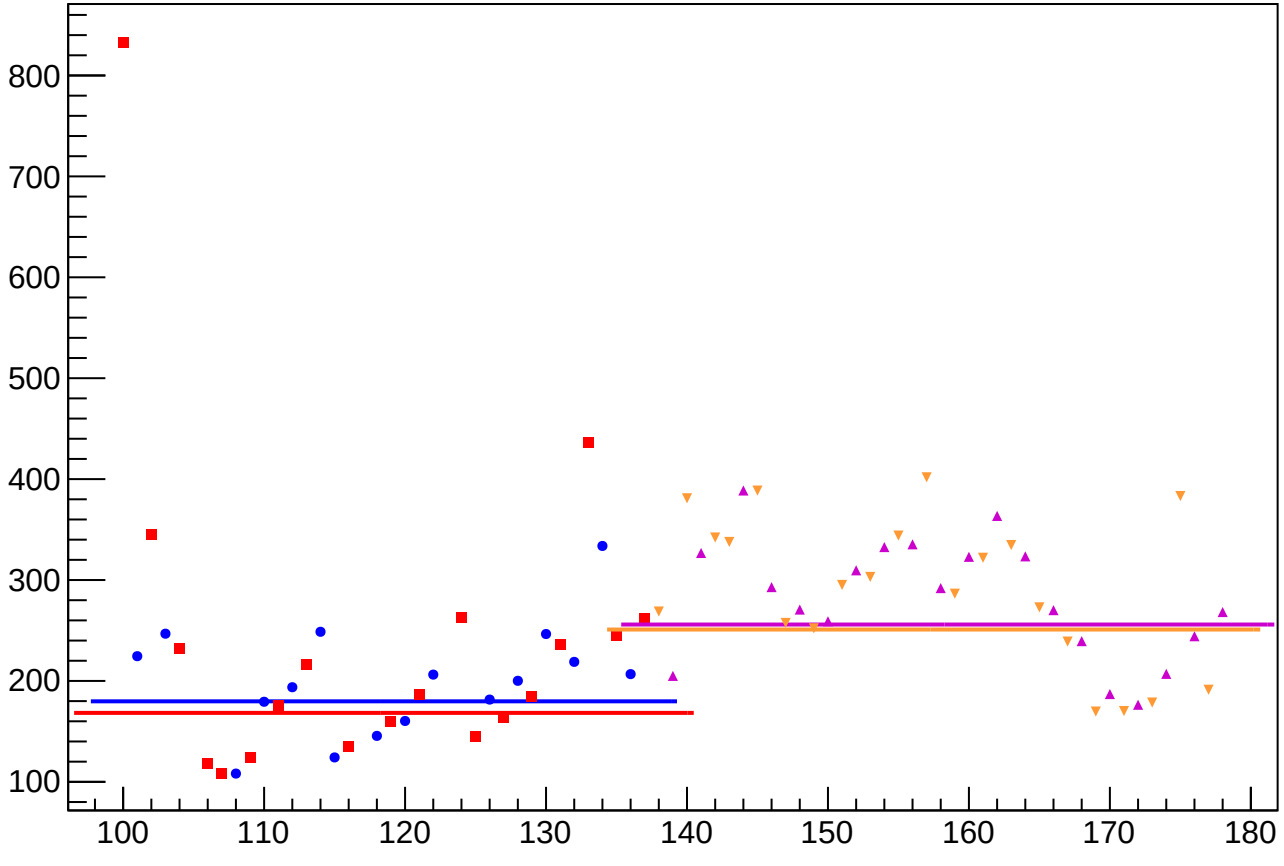
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.058+/-0.048 χ^2/NDF:40.7/35

Out: -0.064+/-0.047 χ^2/NDF:38.6/39

All: -0.005+/-0.034 χ^2/NDF: 82.6/75

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: 255.895+/-0.047 χ^2/NDF:1574624.8/19

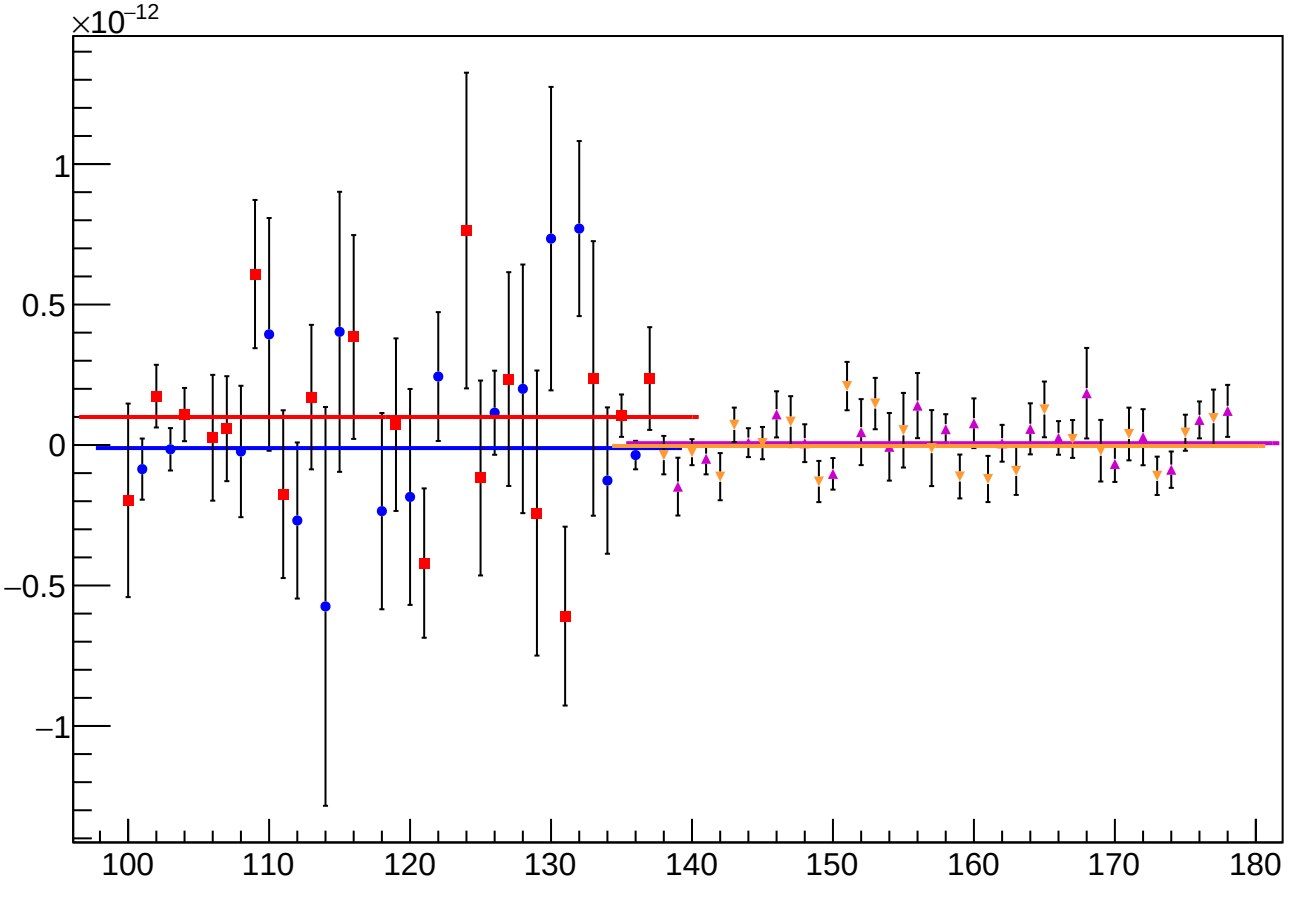
Left: 253.357+/-0.033 χ^2/NDF: 4076283.7/40

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 220.082+/-0.034 χ^2/NDF:3724218.7/35

Out: 211.274+/-0.033 χ^2/NDF:5456061.1/39

All: 215.535+/-0.024 χ^2/NDF: 9214452.6/75



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:19.8/19

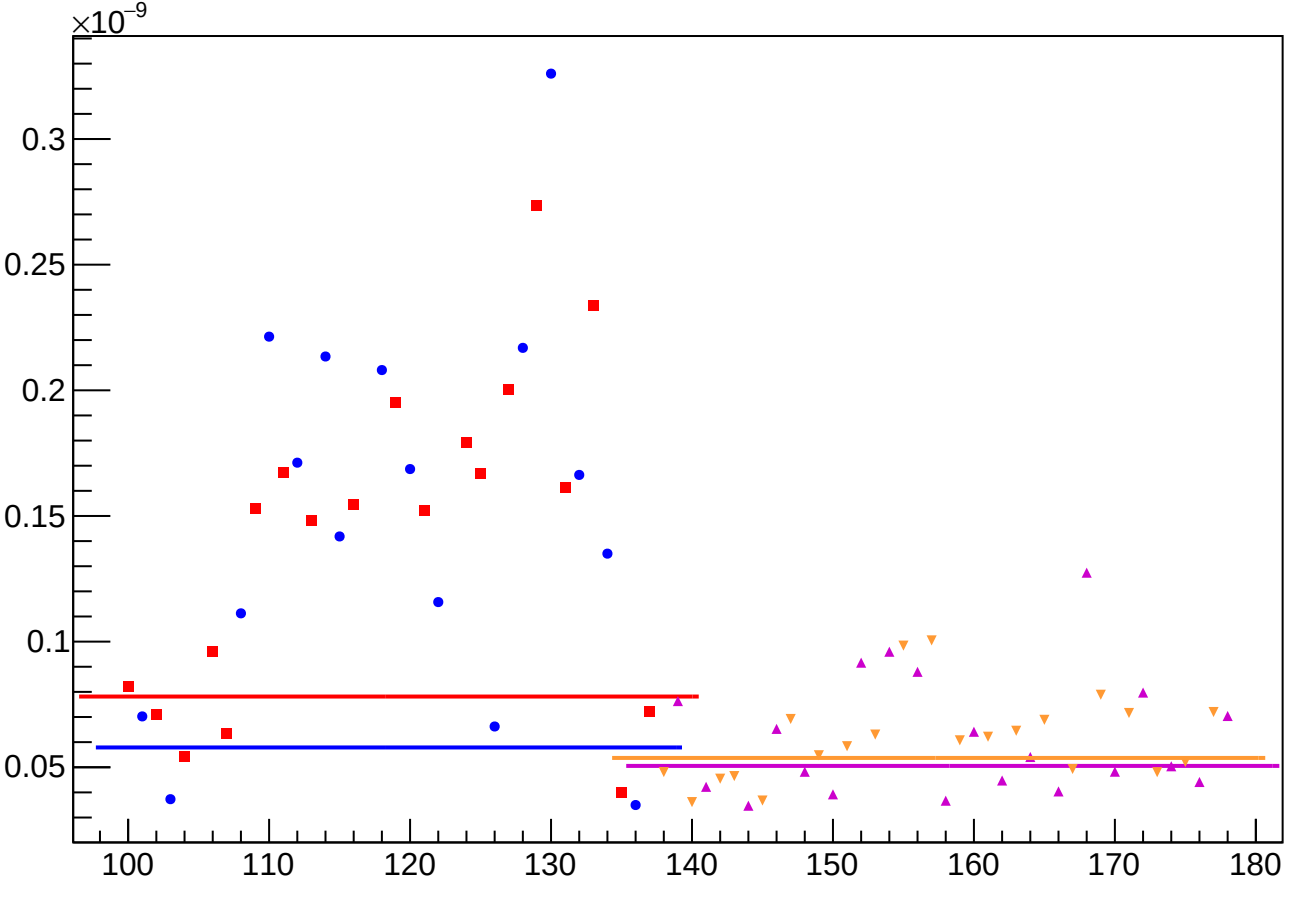
Left: 0.000+/-0.000 χ^2/NDF: 47.7/40

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: 0.000+/-0.000 χ^2/NDF:35.0/35

Out: 0.000+/-0.000 χ^2/NDF:51.3/39

All: 0.000+/-0.000 χ^2/NDF: 86.4/75



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:2244888.6/19

Left: 0.000+/-0.000 χ^2/NDF: 3738499.8/40

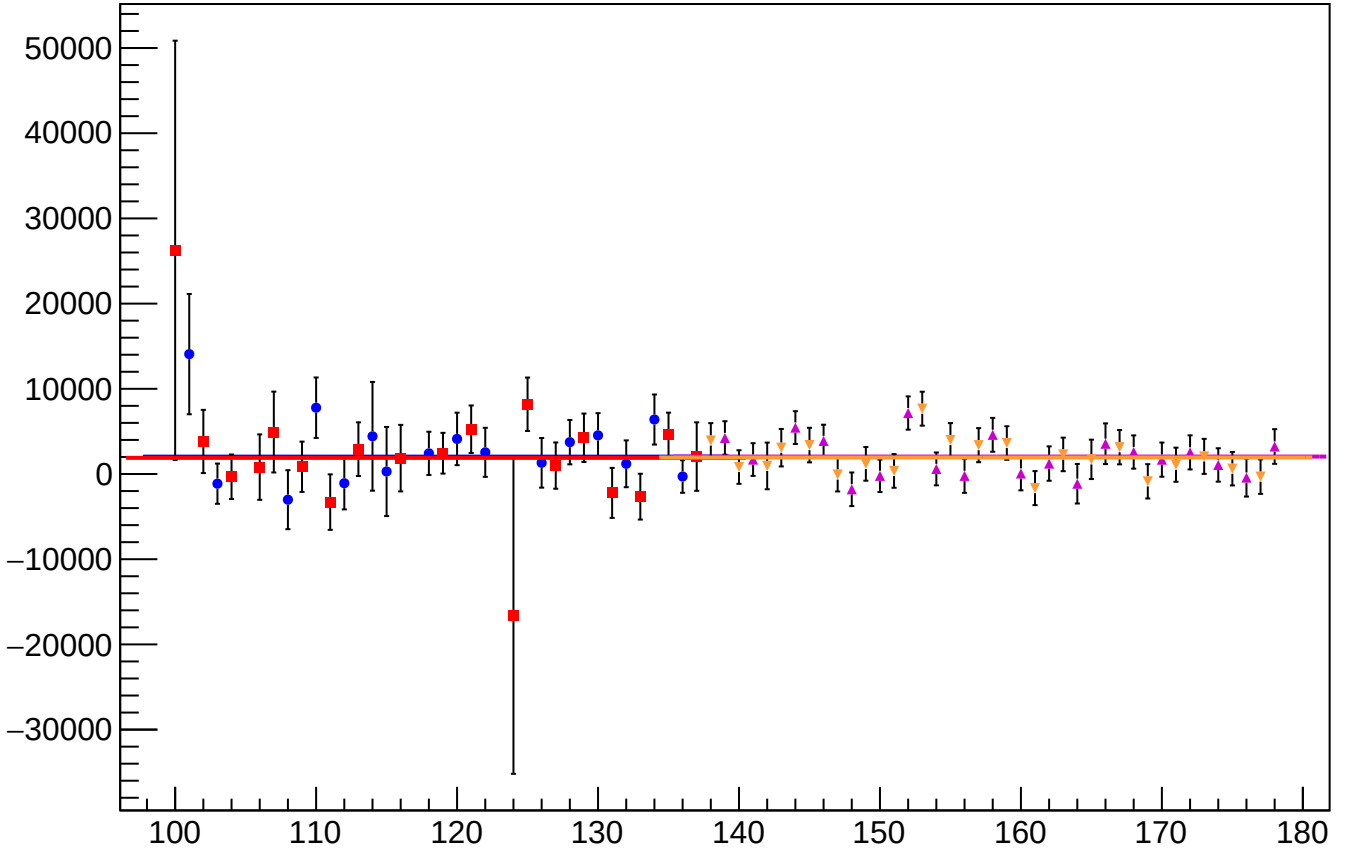
Right: 0.000+/-0.000 χ^2/NDF: 6327236.3/34

In: 0.000+/-0.000 χ^2/NDF:5639407.7/35

Out: 0.000+/-0.000 χ^2/NDF:4770231.8/39

All: 0.000+/-0.000 χ^2/NDF: 10527497.2/75

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: 2045.598+/-448.619 χ^2/NDF:26.3/19

Left: 1992.249+/-316.106 χ^2/NDF: 48.4/40

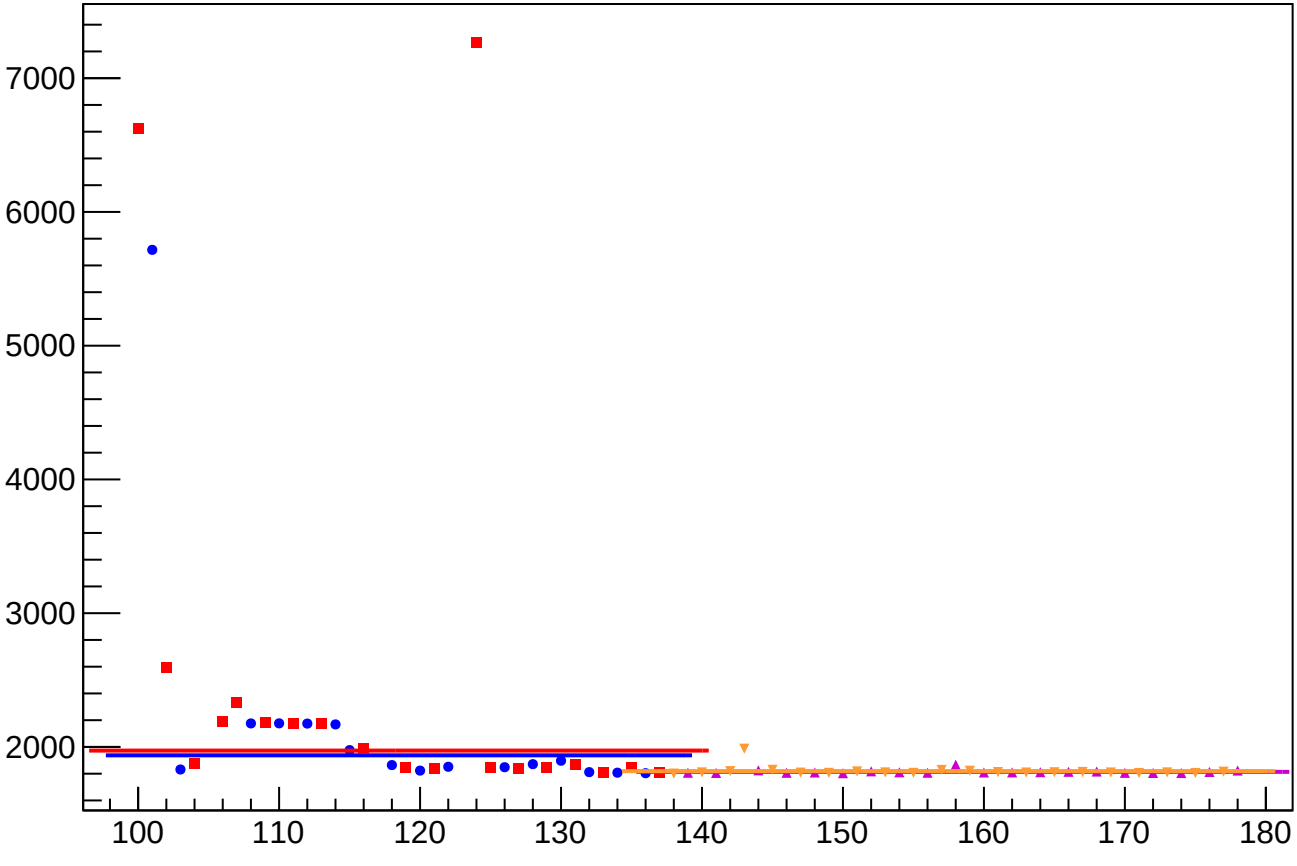
Right: 1967.281+/-520.774 χ^2/NDF: 35.0/34

In: 2043.868+/-383.096 χ^2/NDF:42.8/35

Out: 1927.757+/-381.212 χ^2/NDF:40.6/39

All: 1985.526+/-270.221 χ^2/NDF: 83.4/75

reg_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: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

Left In: 1813.734+/-0.317 χ^2/NDF:1872.6/19

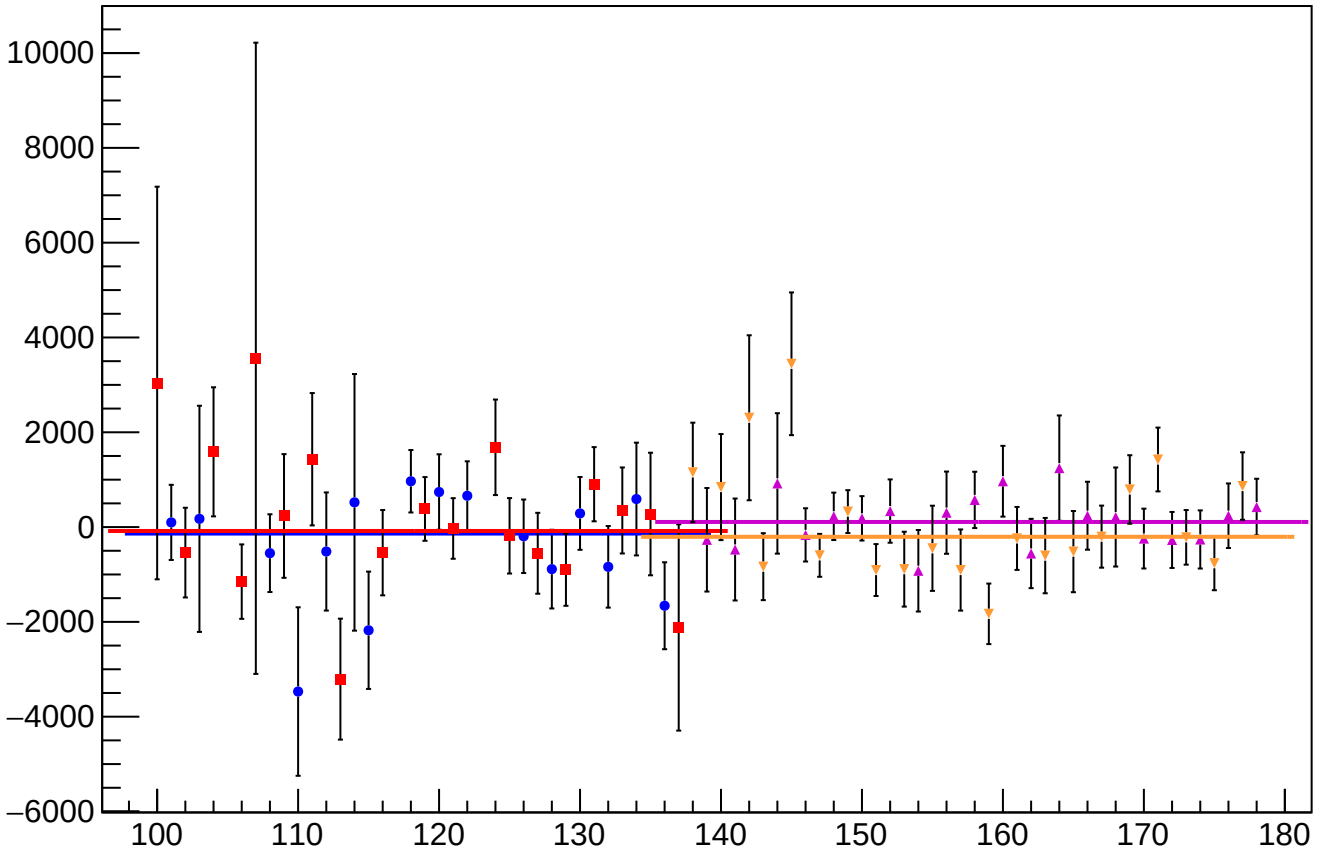
Left: 1816.479+/-0.224 χ^2/NDF: 14676.1/40

Right: 1954.992+/-0.368 χ^2/NDF: 1017954.2/34

In: 1847.179+/-0.271 χ^2/NDF:681017.9/35

Out: 1860.301+/-0.270 χ^2/NDF:453825.6/39

All: 1853.773+/-0.191 χ^2/NDF: 1136022.5/75



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: 107.935+/-154.363 χ^2/NDF:7.9/19

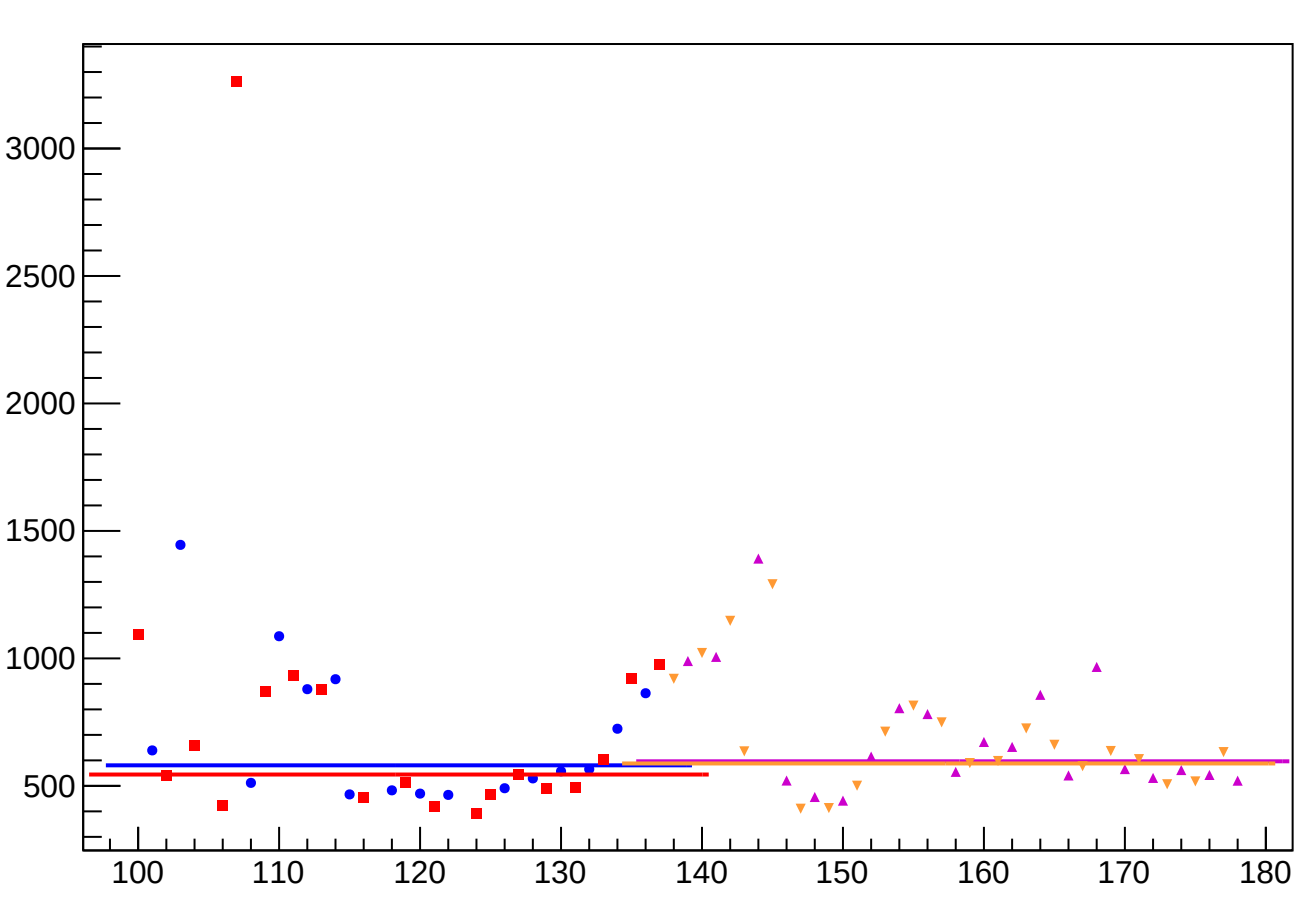
Left: -52.213+/-107.864 χ^2/NDF: 44.4/40

Right: -108.459+/-159.882 χ^2/NDF: 36.7/34

In: 32.176+/-128.247 χ^2/NDF:25.6/35

Out: -166.284+/-124.738 χ^2/NDF:54.4/39

All: -69.806+/-89.418 χ^2/NDF: 81.2/75



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: 596.380+/-0.109 χ^2/NDF:2240822.7/19

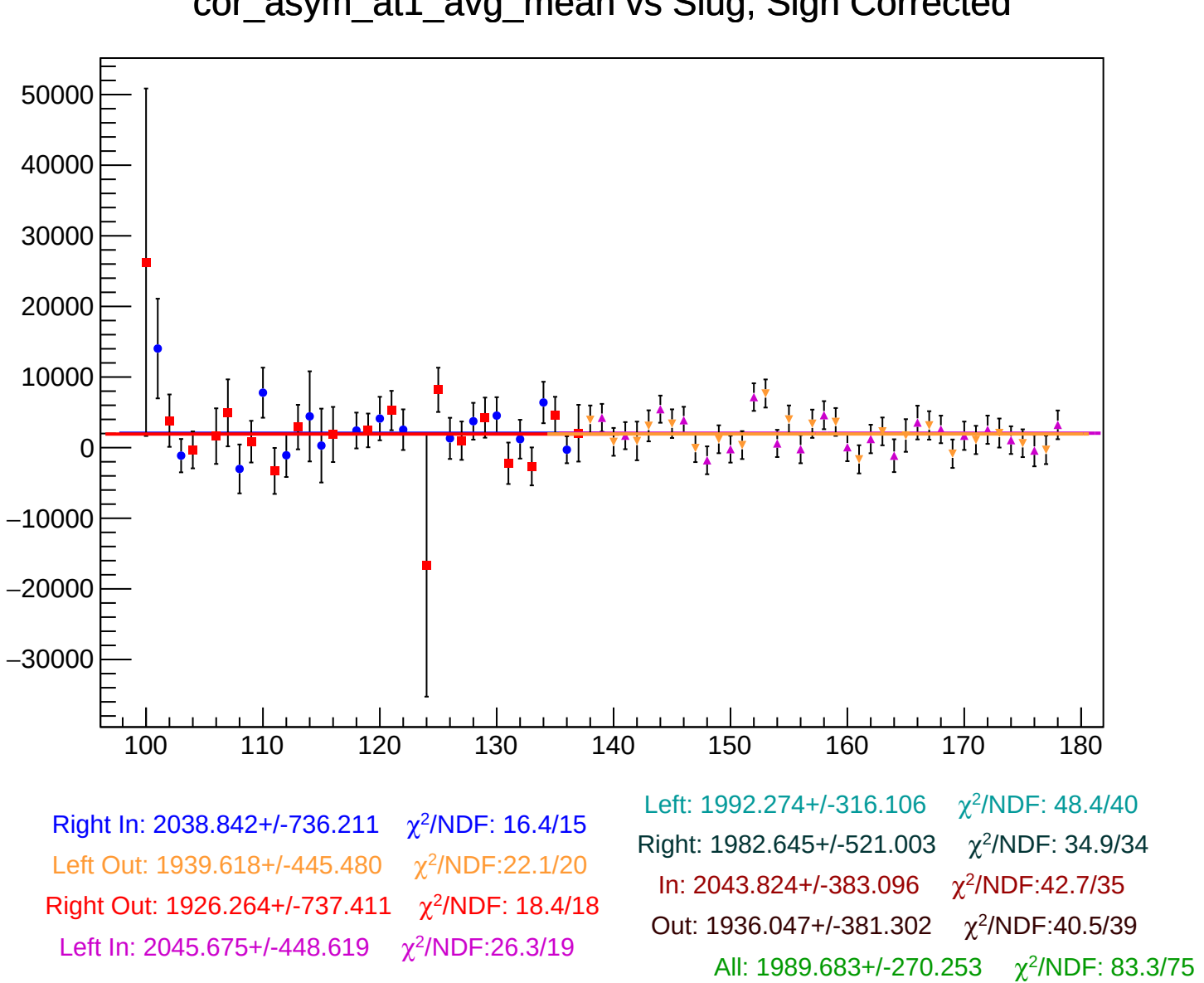
Left: 592.038+/-0.076 χ^2/NDF: 4466482.5/40

Right: 561.900+/-0.113 χ^2/NDF: 2316481.8/34

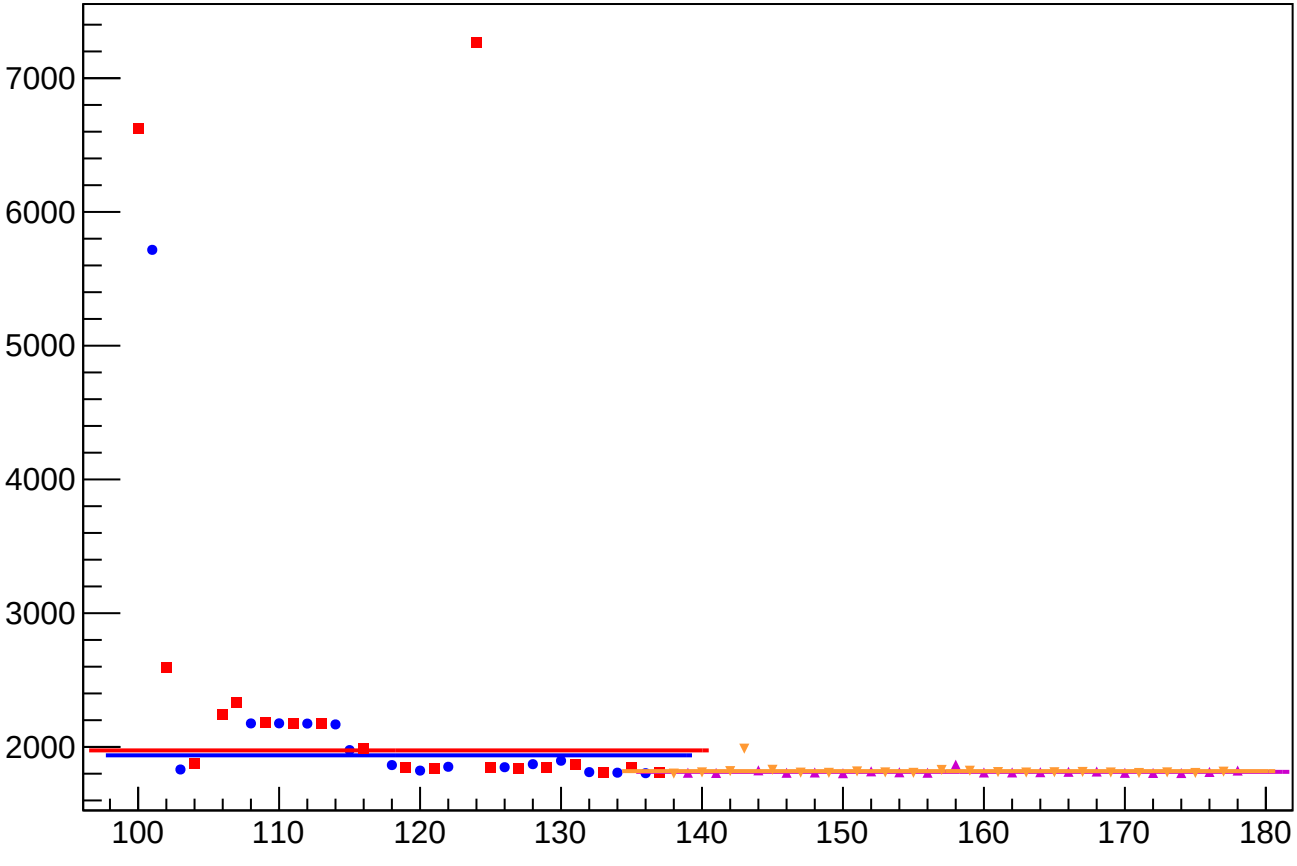
In: 591.495+/-0.091 χ^2/NDF:3250698.2/35

Out: 574.206+/-0.088 χ^2/NDF:3562425.3/39

All: 582.611+/-0.063 χ^2/NDF: 6831800.8/75


cor_asym_at1_avg_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: 2038.842+/-736.211 χ²/NDF: 16.4/15
Left Out: 1939.618+/-445.480 χ²/NDF:22.1/20
Right Out: 1926.264+/-737.411 χ²/NDF: 18.4/18
Left In: 2045.675+/-448.619 χ²/NDF:26.3/19
Left: 1992.274+/-316.106 χ²/NDF: 48.4/40
Right: 1982.645+/-521.003 χ²/NDF: 34.9/34
In: 2043.824+/-383.096 χ²/NDF:42.7/35
Out: 1936.047+/-381.302 χ²/NDF:40.5/39
All: 1989.683+/-270.253 χ²/NDF: 83.3/75

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: 1813.734+/-0.317 χ^2/NDF:1872.6/19

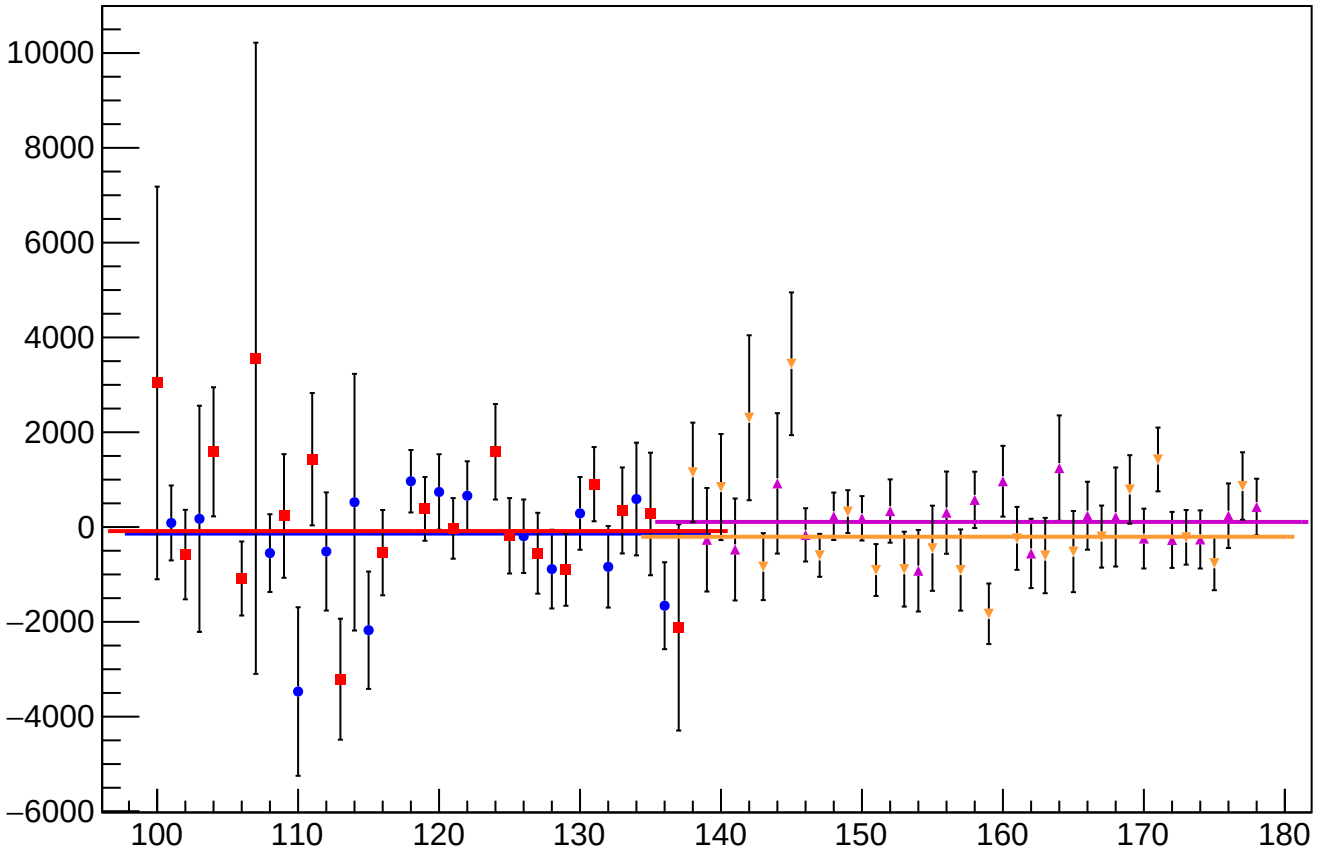
Left: 1816.479+/-0.224 χ^2/NDF: 14676.1/40

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1847.179+/-0.271 χ^2/NDF:681017.8/35

Out: 1860.621+/-0.270 χ^2/NDF:457796.7/39

All: 1853.932+/-0.191 χ^2/NDF: 1140051.5/75



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: 107.983+/-154.365 χ^2/NDF:7.9/19

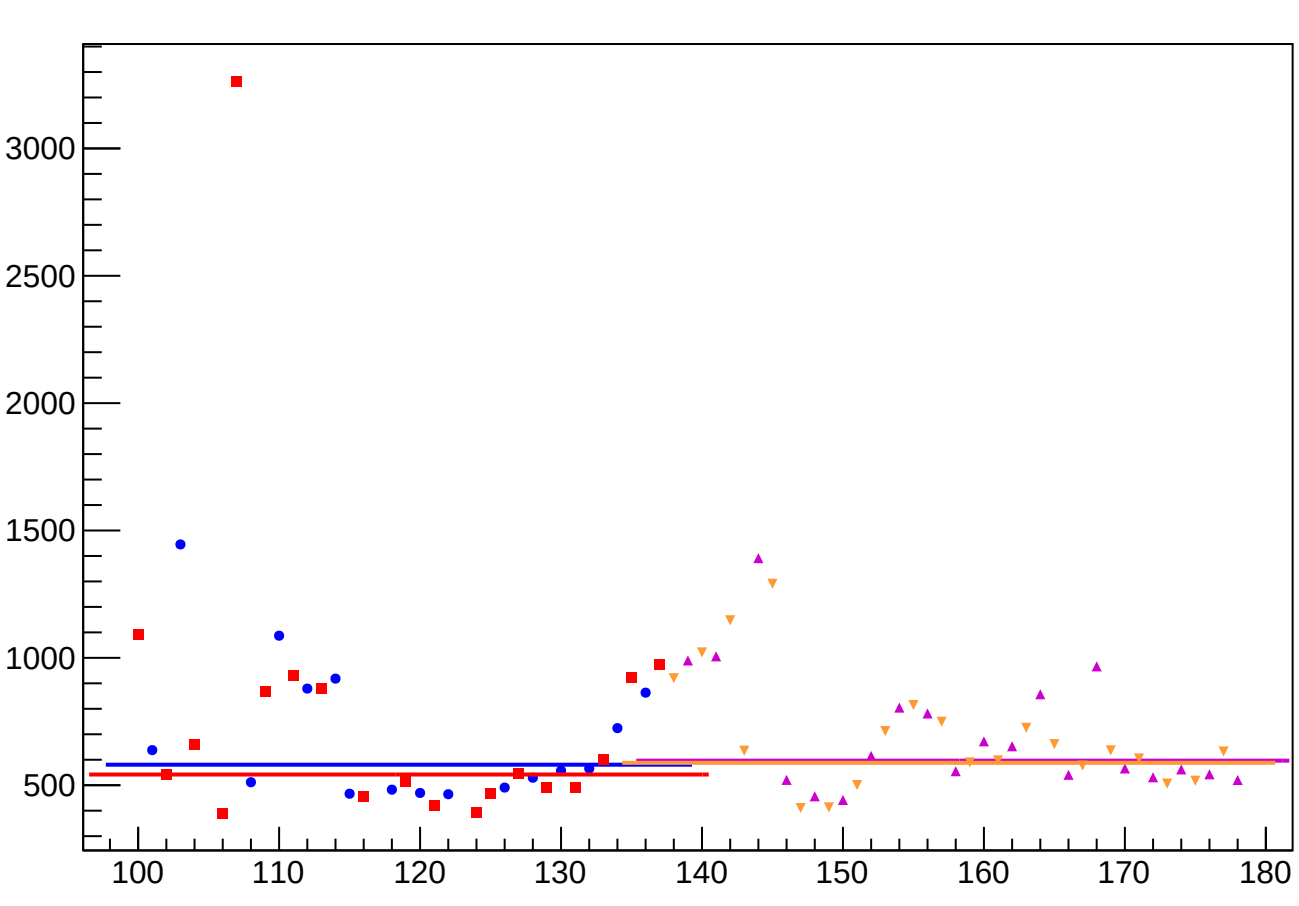
Left: -52.227+/-107.865 χ^2/NDF: 44.4/40

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: 31.924+/-128.239 χ^2/NDF:25.5/35

Out: -167.136+/-124.713 χ^2/NDF:53.9/39

All: -70.381+/-89.406 χ^2/NDF: 80.7/75



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: 596.387+/-0.109 χ^2/NDF:2240841.3/19

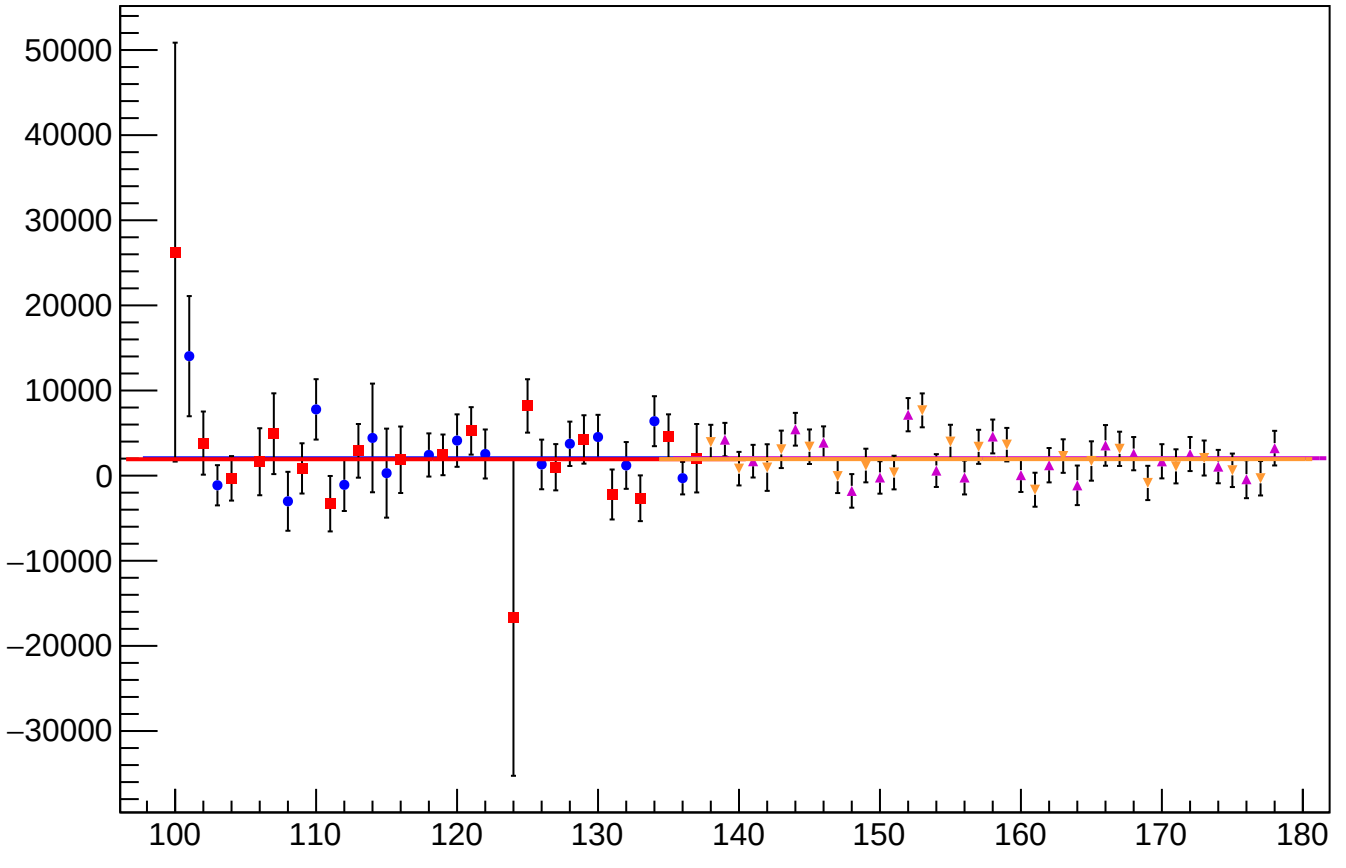
Left: 592.040+/-0.076 χ^2/NDF: 4466627.3/40

Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 591.470+/-0.091 χ^2/NDF:3250290.1/35

Out: 573.375+/-0.088 χ^2/NDF:3600224.2/39

All: 582.170+/-0.063 χ^2/NDF: 6870980.7/75



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: 2045.675+/-448.619 χ^2/NDF:26.3/19

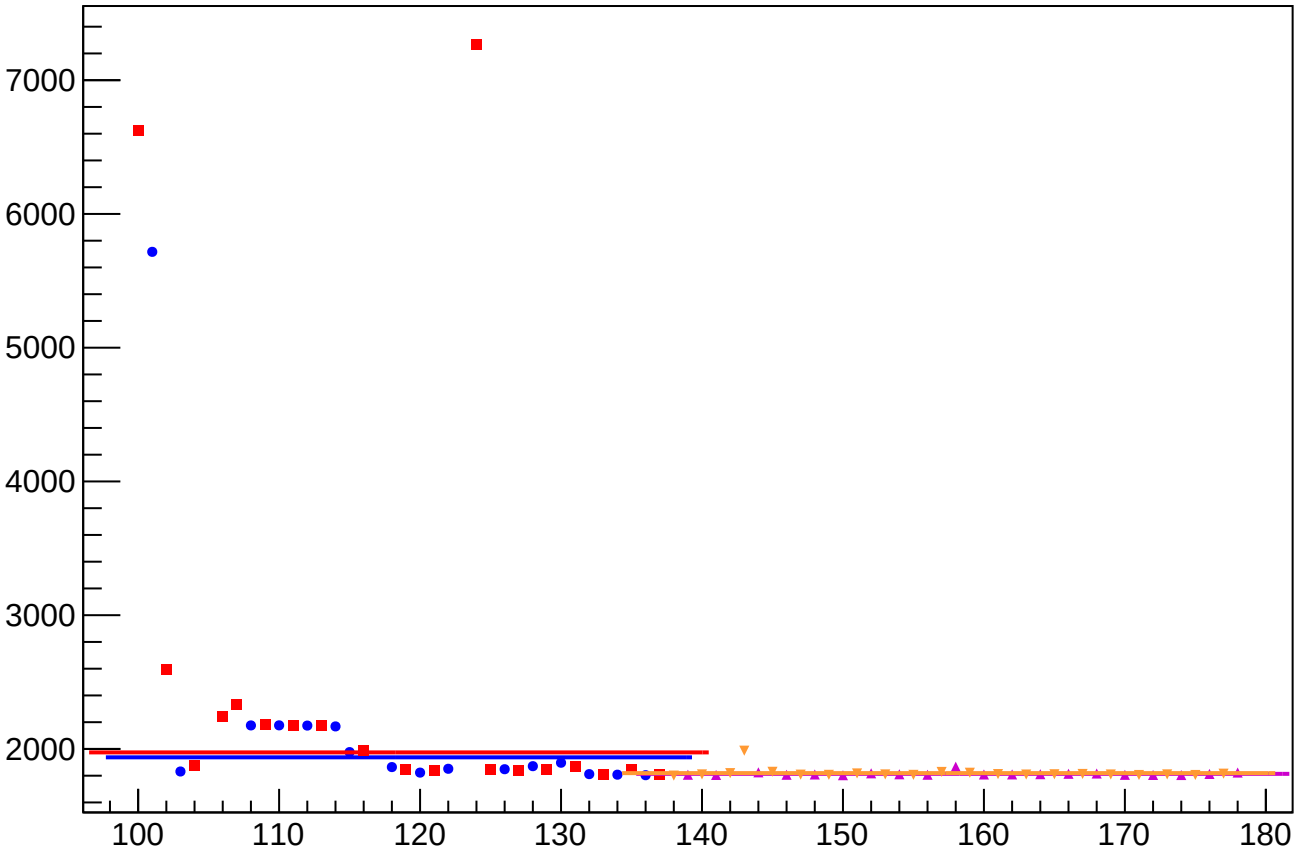
Left: 1992.274+/-316.106 χ^2/NDF: 48.4/40

Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2043.824+/-383.096 χ^2/NDF:42.7/35

Out: 1936.047+/-381.302 χ^2/NDF:40.5/39

All: 1989.683+/-270.253 χ^2/NDF: 83.3/75



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: 1813.734+/-0.317 χ^2/NDF:1872.6/19

Left: 1816.479+/-0.224 χ^2/NDF: 14676.1/40

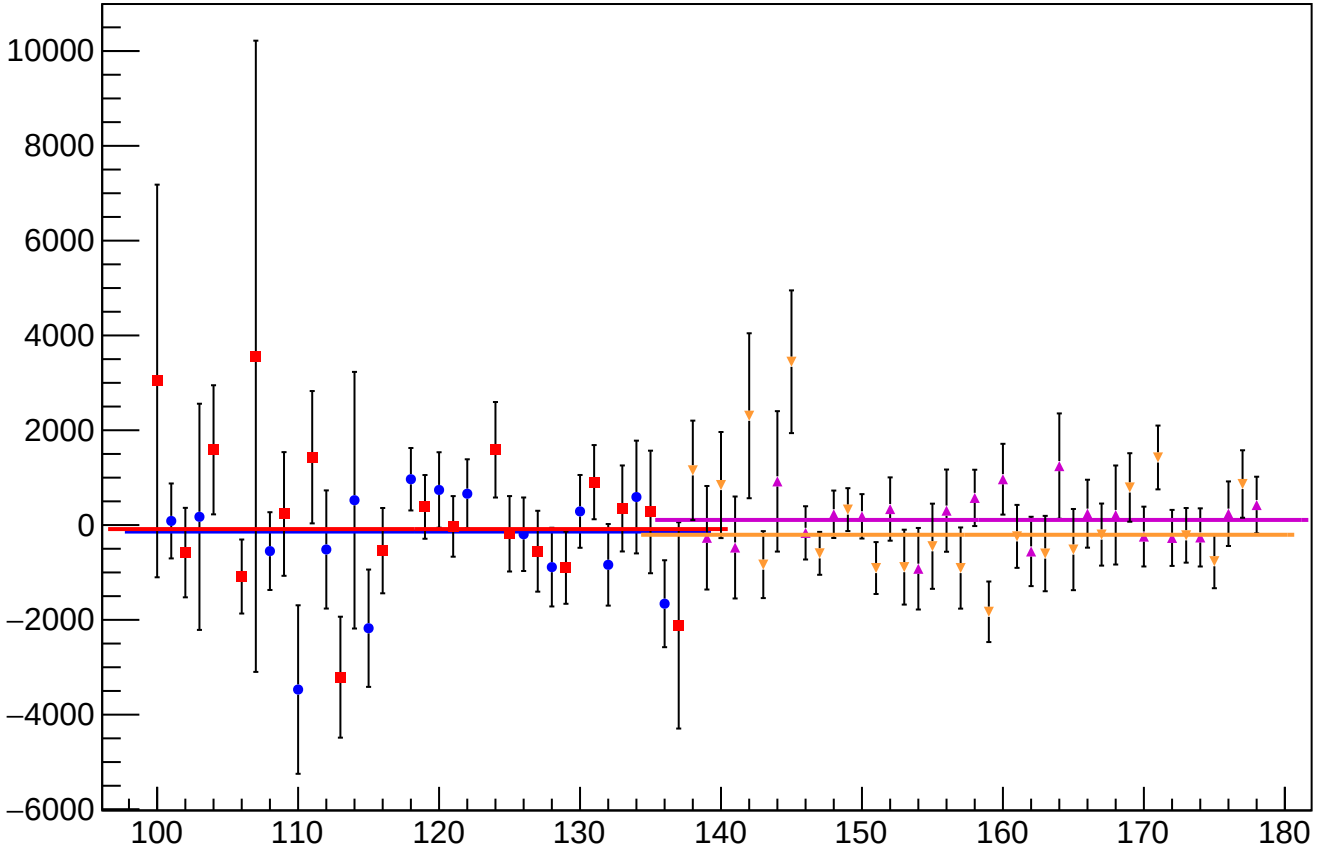
Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1847.179+/-0.271 χ^2/NDF:681017.8/35

Out: 1860.621+/-0.270 χ^2/NDF:457796.7/39

All: 1853.932+/-0.191 χ^2/NDF: 1140051.5/75

asym_at1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -205.093+/-150.786 χ^2/NDF:34.4/20

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 107.983+/-154.365 χ^2/NDF:7.9/19

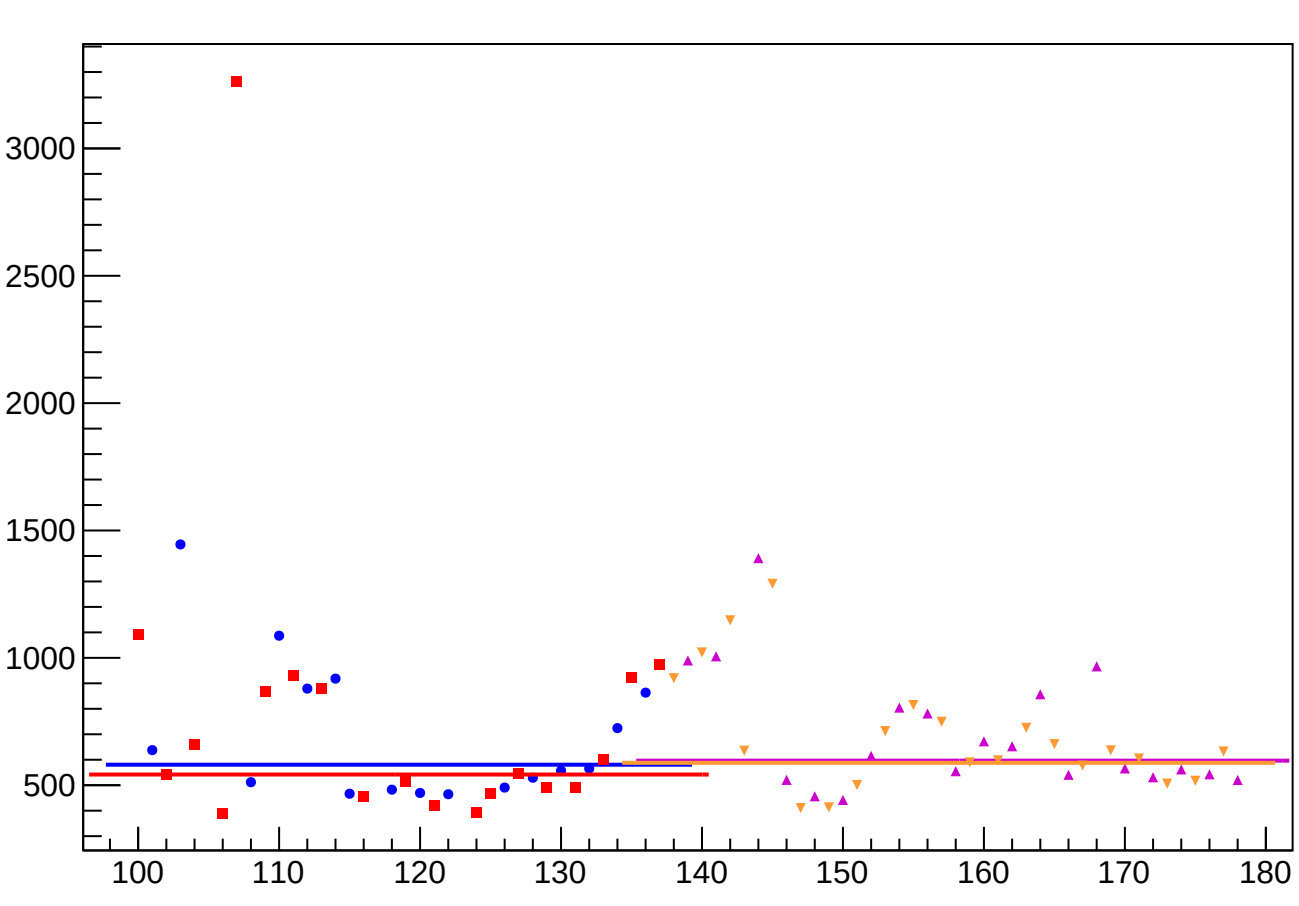
Left: -52.227+/-107.865 χ^2/NDF: 44.4/40

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: 31.924+/-128.239 χ^2/NDF:25.5/35

Out: -167.136+/-124.713 χ^2/NDF:53.9/39

All: -70.381+/-89.406 χ^2/NDF: 80.7/75



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: 596.387+/-0.109 χ^2/NDF:2240841.3/19

Left: 592.040+/-0.076 χ^2/NDF: 4466627.3/40

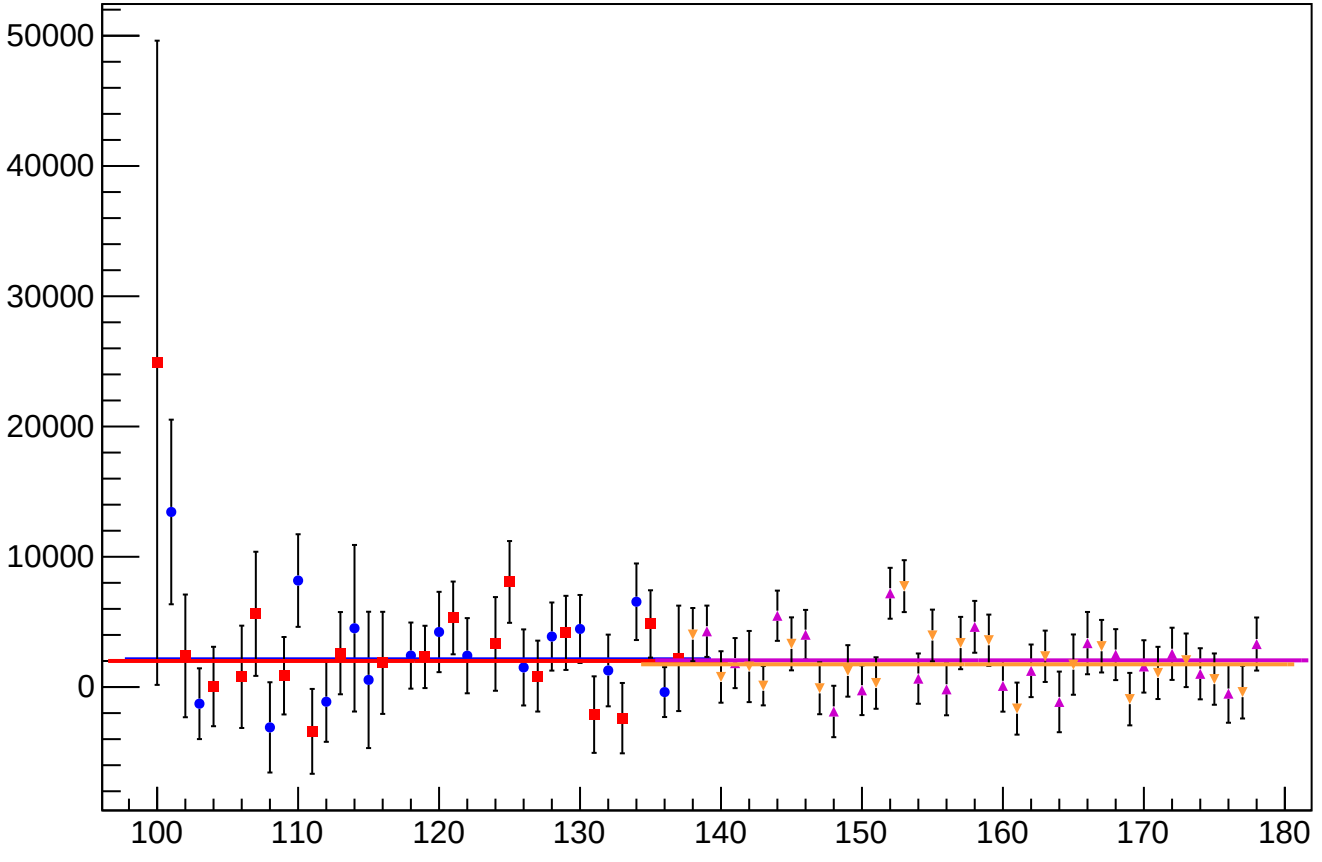
Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 591.470+/-0.091 χ^2/NDF:3250290.1/35

Out: 573.375+/-0.088 χ^2/NDF:3600224.2/39

All: 582.170+/-0.063 χ^2/NDF: 6870980.7/75

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: 2049.259+/-449.100 χ^2/NDF:26.8/19

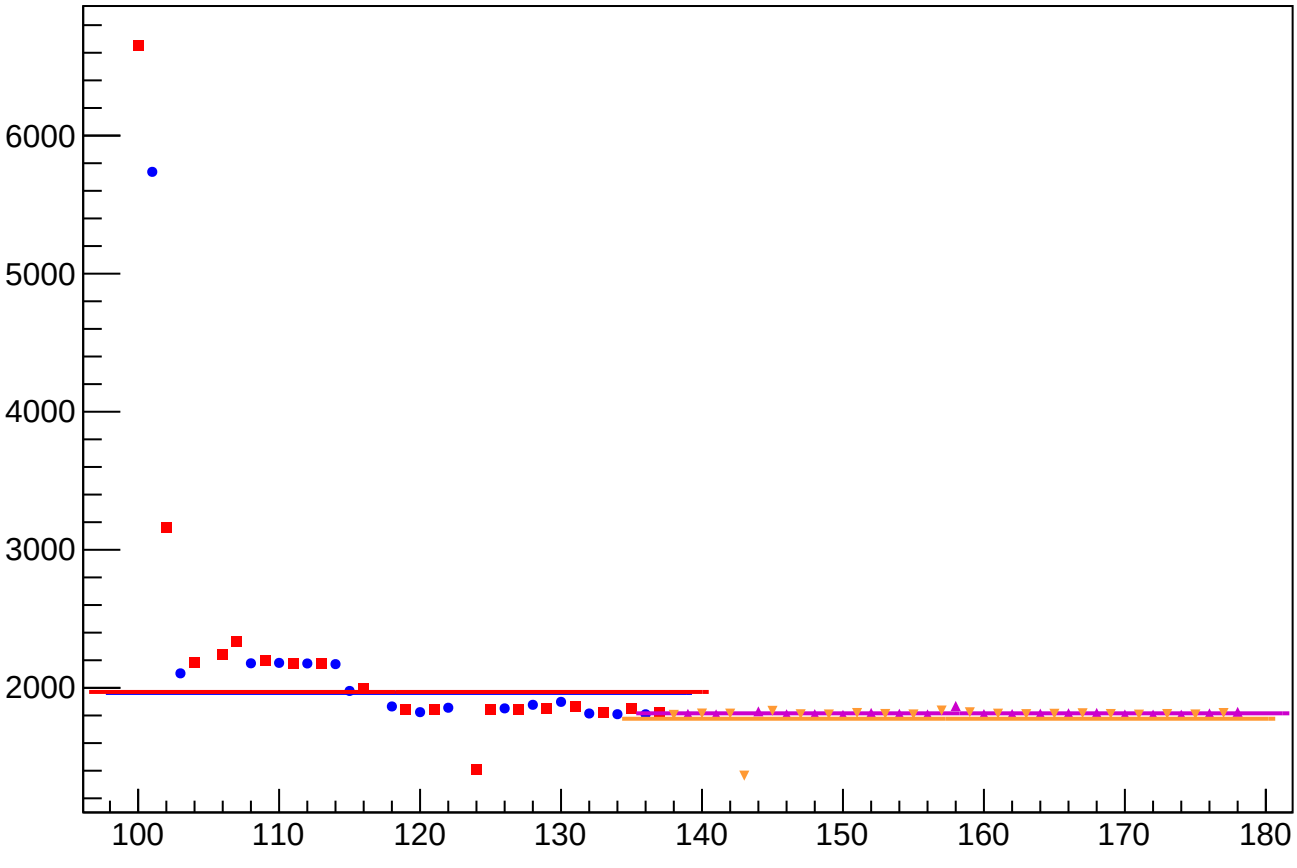
Left: 1893.162+/-312.829 χ^2/NDF: 50.4/40

Right: 2064.712+/-524.445 χ^2/NDF: 33.3/34

In: 2070.394+/-384.791 χ^2/NDF:43.3/35

Out: 1812.425+/-375.281 χ^2/NDF:40.2/39

All: 1938.182+/-268.663 χ^2/NDF: 83.7/75



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: 1815.660+/-0.318 χ^2/NDF:1943.0/19

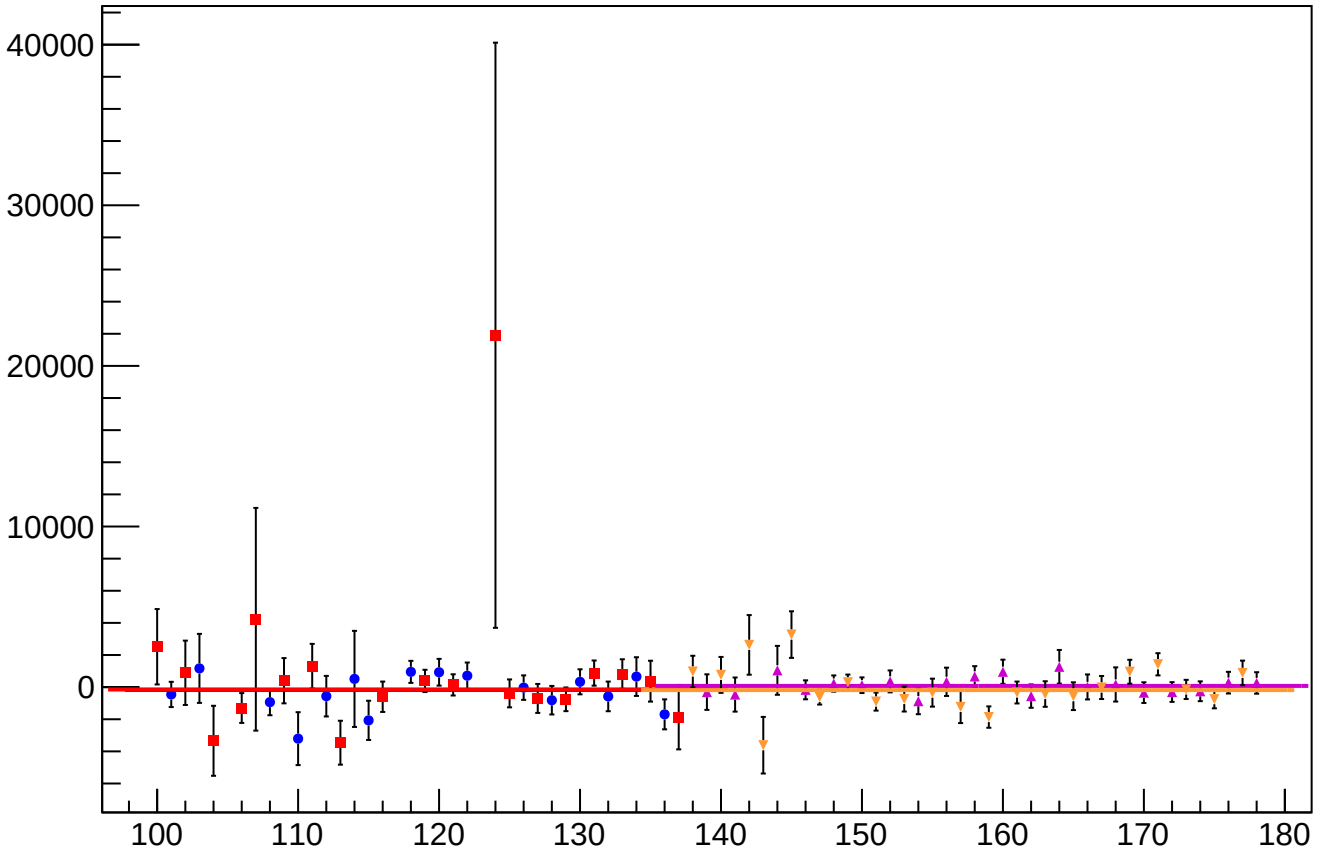
Left: 1795.463+/-0.221 χ^2/NDF: 173061.9/40

Right: 1966.980+/-0.371 χ^2/NDF: 985477.3/34

In: 1854.945+/-0.272 χ^2/NDF:699757.2/35

Out: 1826.710+/-0.265 χ^2/NDF:611042.0/39

All: 1840.474+/-0.190 χ^2/NDF: 1316318.3/75



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: 76.271+/-158.547 χ^2/NDF:8.2/19

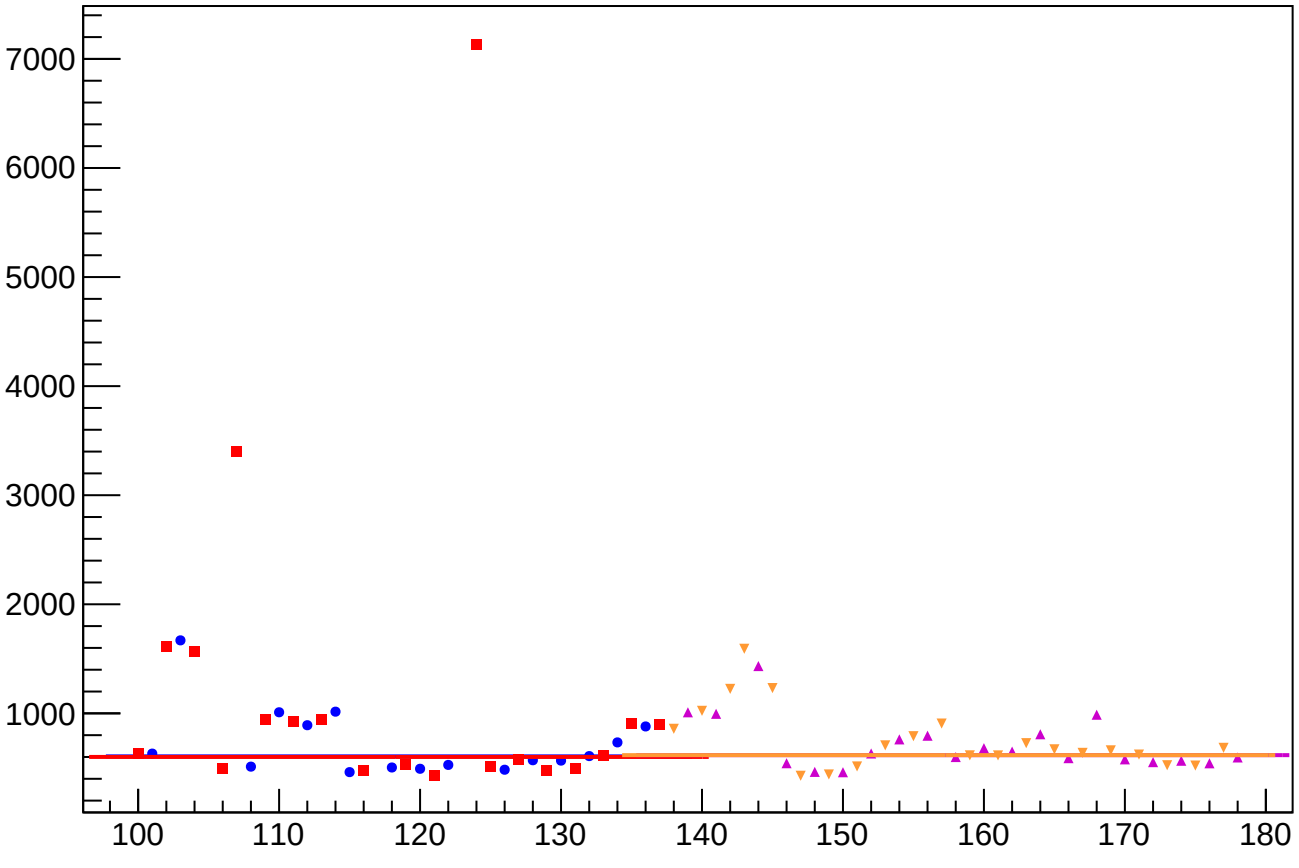
Left: -54.412+/-112.205 χ^2/NDF: 46.0/40

Right: -159.420+/-169.582 χ^2/NDF: 37.3/34

In: -0.146+/-131.763 χ^2/NDF:26.2/35

Out: -174.143+/-132.917 χ^2/NDF:56.5/39

All: -86.386+/-93.576 χ^2/NDF: 83.6/75



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: 616.816+/-0.112 χ^2/NDF:2051657.9/19

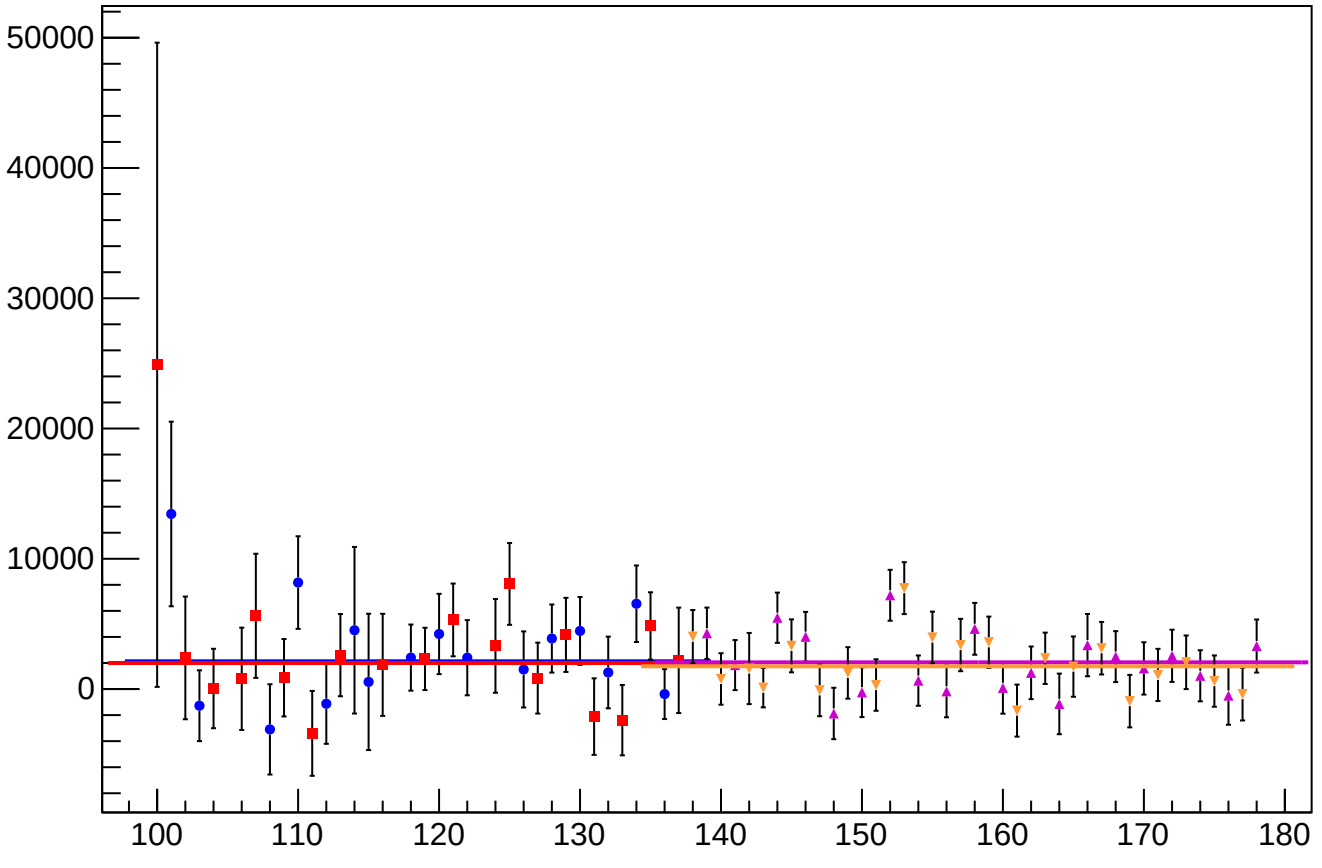
Left: 616.839+/-0.079 χ^2/NDF: 4729887.6/40

Right: 603.000+/-0.120 χ^2/NDF: 3491409.7/34

In: 613.294+/-0.093 χ^2/NDF:3217303.2/35

Out: 611.945+/-0.094 χ^2/NDF:5013154.3/39

All: 612.625+/-0.066 χ^2/NDF: 8230561.4/75



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: 2049.259+/-449.100 χ^2/NDF:26.8/19

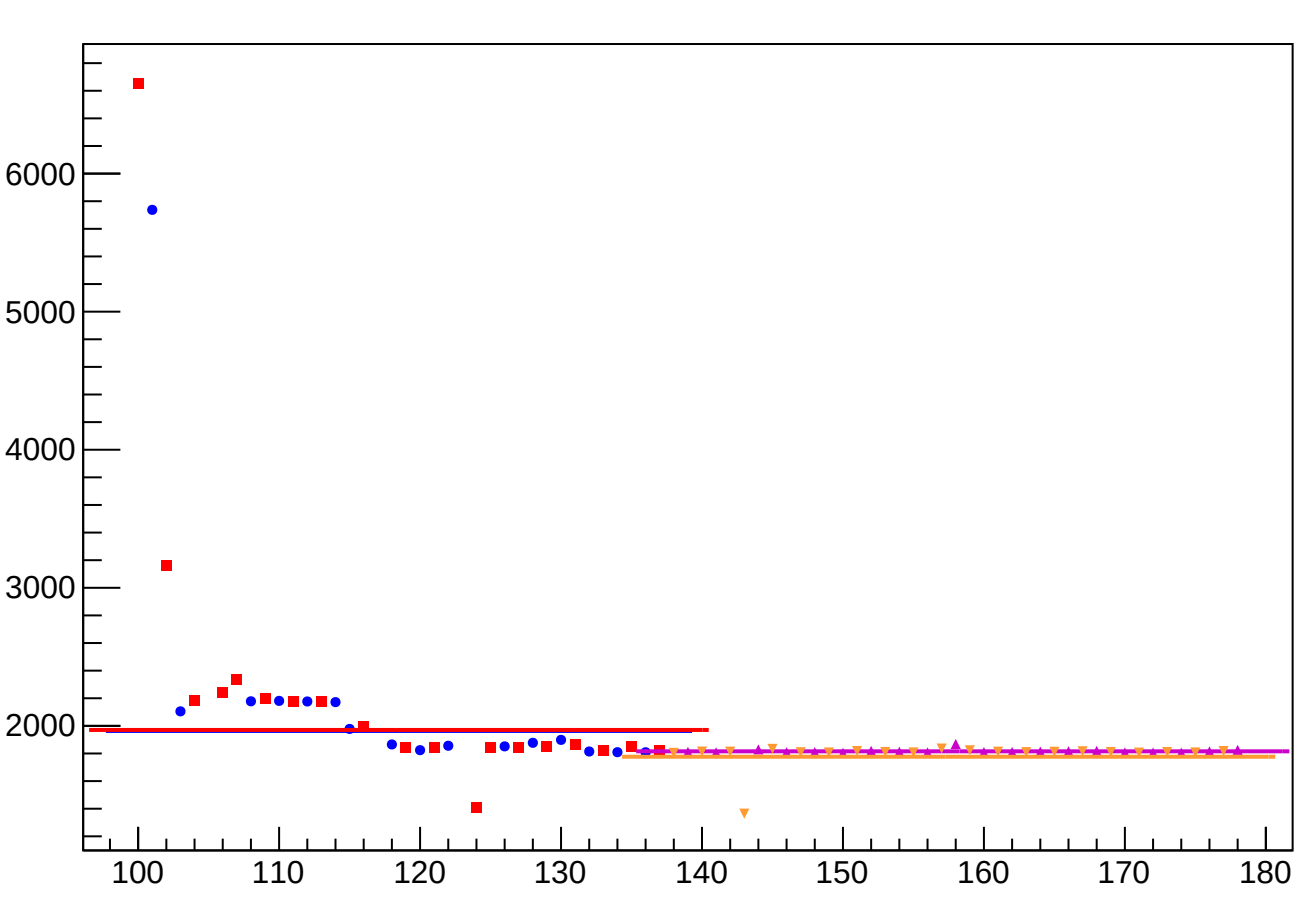
Left: 1893.163+/-312.829 χ^2/NDF: 50.4/40

Right: 2064.710+/-524.445 χ^2/NDF: 33.3/34

In: 2070.394+/-384.791 χ^2/NDF:43.3/35

Out: 1812.425+/-375.281 χ^2/NDF:40.2/39

All: 1938.182+/-268.663 χ^2/NDF: 83.7/75



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: 1815.660+/-0.318 χ^2/NDF:1943.0/19

Left: 1795.463+/-0.221 χ^2/NDF: 173061.9/40

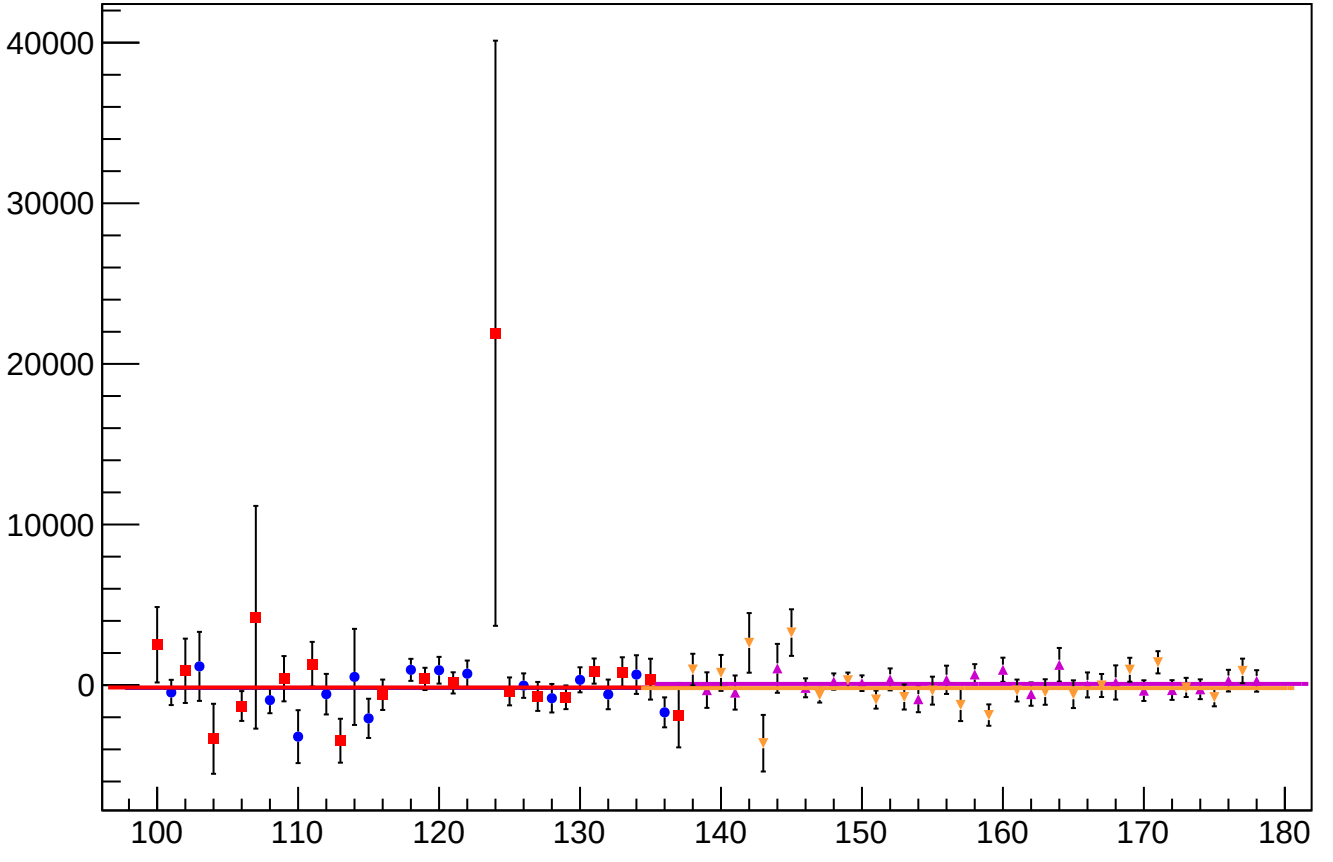
Right: 1966.980+/-0.371 χ^2/NDF: 985475.7/34

In: 1854.945+/-0.272 χ^2/NDF:699756.7/35

Out: 1826.710+/-0.265 χ^2/NDF:611040.4/39

All: 1840.474+/-0.190 χ^2/NDF: 1316316.3/75

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: 76.271+/-158.547 χ^2/NDF:8.2/19

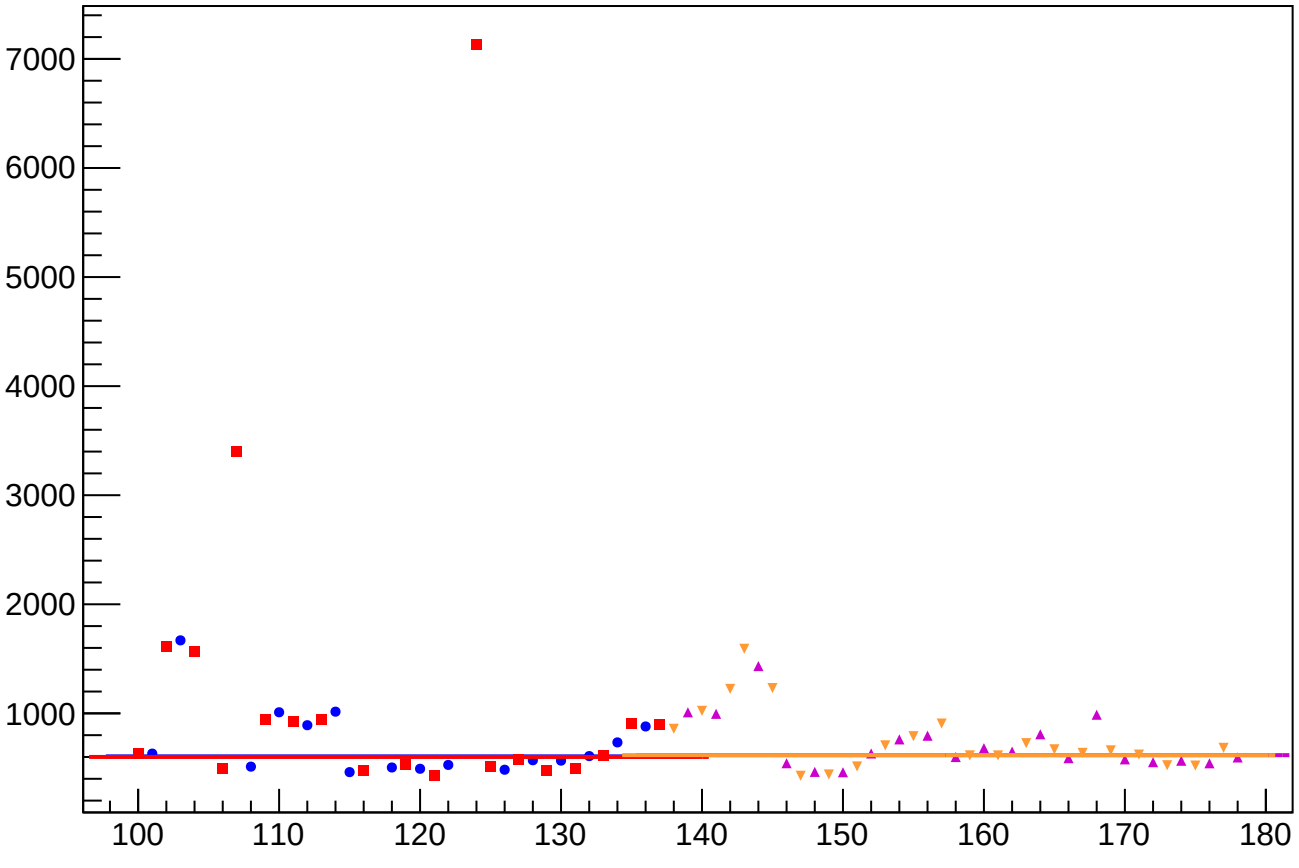
Left: -54.412+/-112.205 χ^2/NDF: 46.0/40

Right: -159.419+/-169.581 χ^2/NDF: 37.3/34

In: -0.146+/-131.763 χ^2/NDF:26.2/35

Out: -174.143+/-132.917 χ^2/NDF:56.5/39

All: -86.386+/-93.576 χ^2/NDF: 83.6/75



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: 616.817+/-0.112 χ^2/NDF:2051653.6/19

Left: 616.840+/-0.079 χ^2/NDF: 4729876.8/40

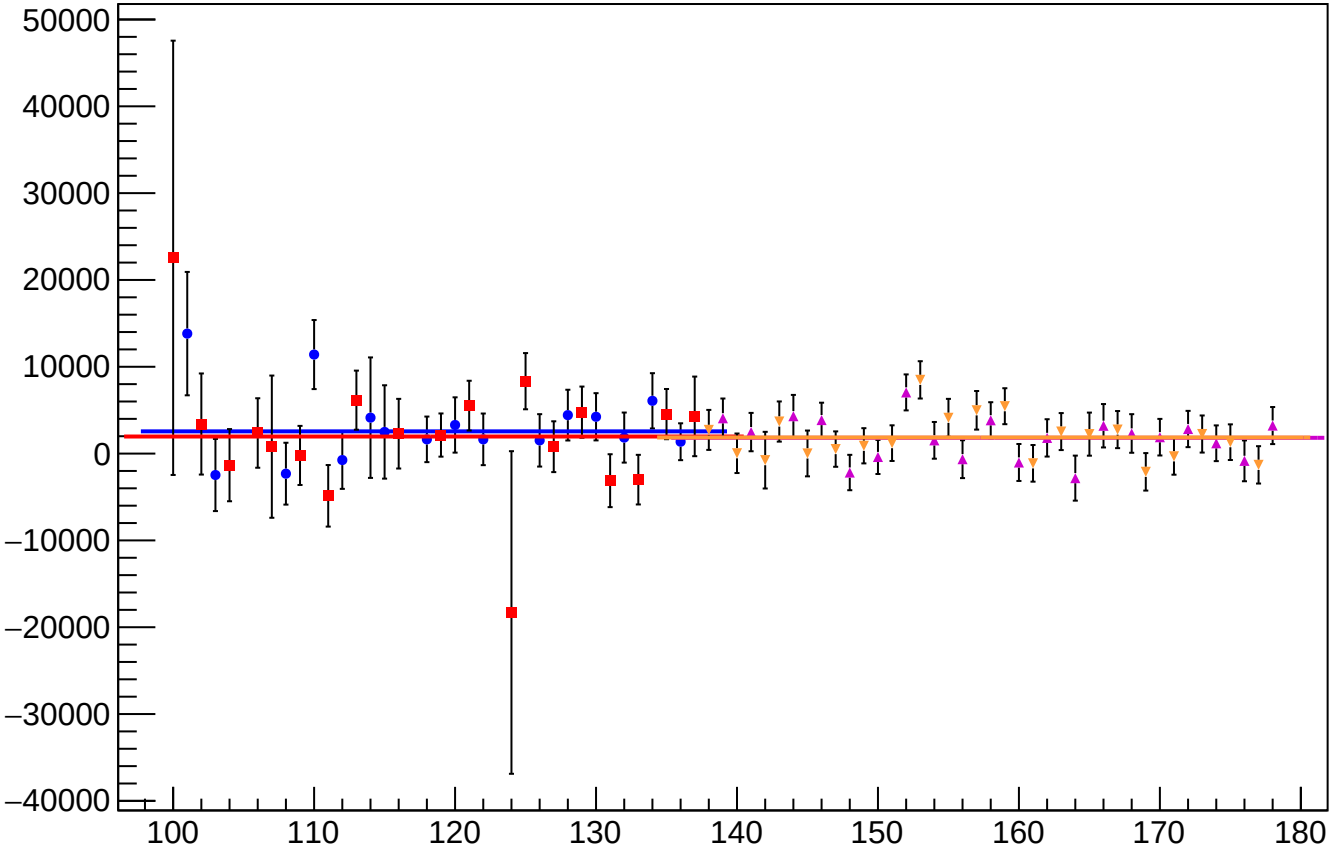
Right: 602.999+/-0.120 χ^2/NDF: 3491425.6/34

In: 613.294+/-0.093 χ^2/NDF:3217308.0/35

Out: 611.945+/-0.094 χ^2/NDF:5013157.3/39

All: 612.626+/-0.066 χ^2/NDF: 8230569.2/75

asym_at1_avg_mean vs Slug, Sign Corrected



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: 1817.394+/-484.923 χ^2/NDF:24.3/19

Left: 1837.690+/-341.446 χ^2/NDF: 52.1/40

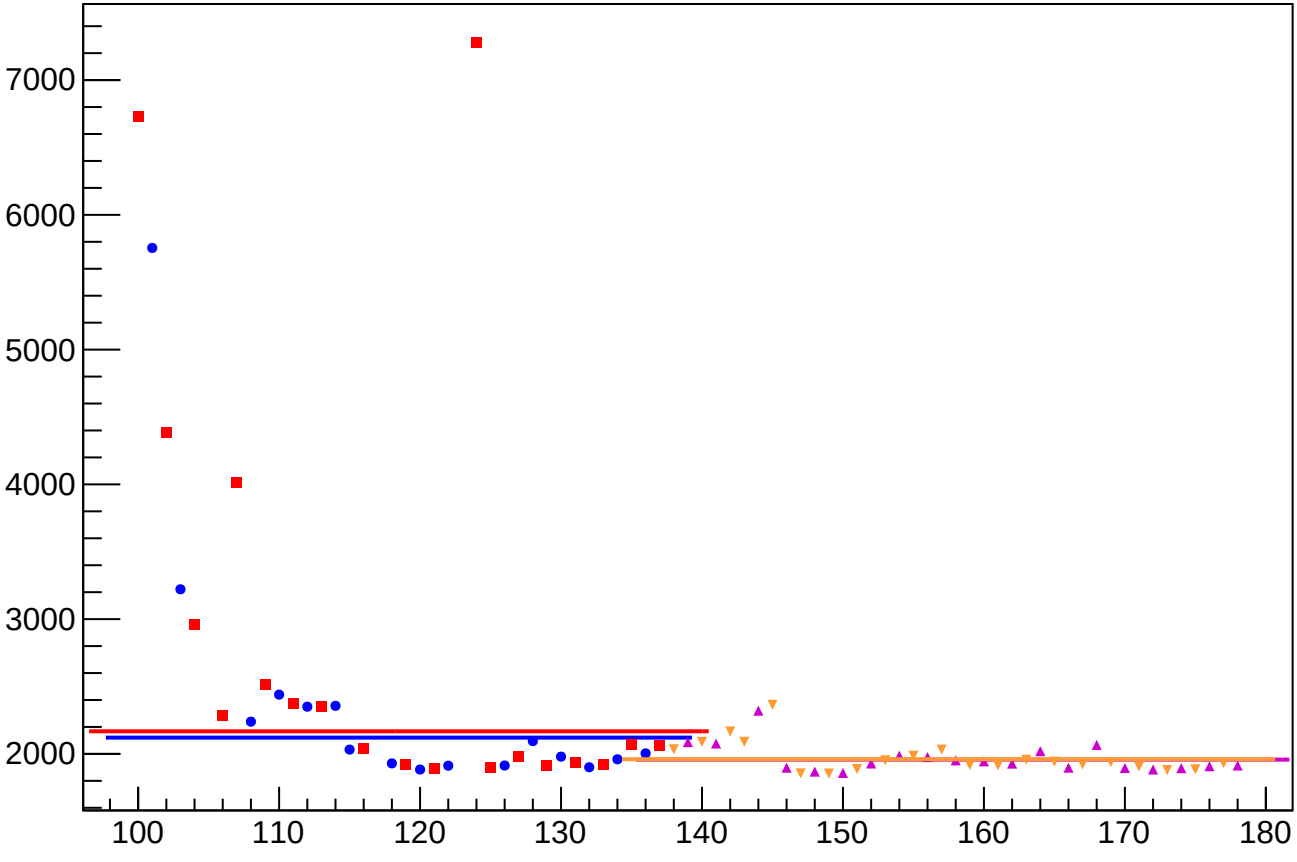
Right: 2267.201+/-575.733 χ^2/NDF: 36.5/34

In: 2013.704+/-416.016 χ^2/NDF:39.5/35

Out: 1885.620+/-414.647 χ^2/NDF:49.5/39

All: 1949.451+/-293.683 χ^2/NDF: 89.0/75

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: 1957.428+/-0.343 χ^2/NDF:83328.6/19

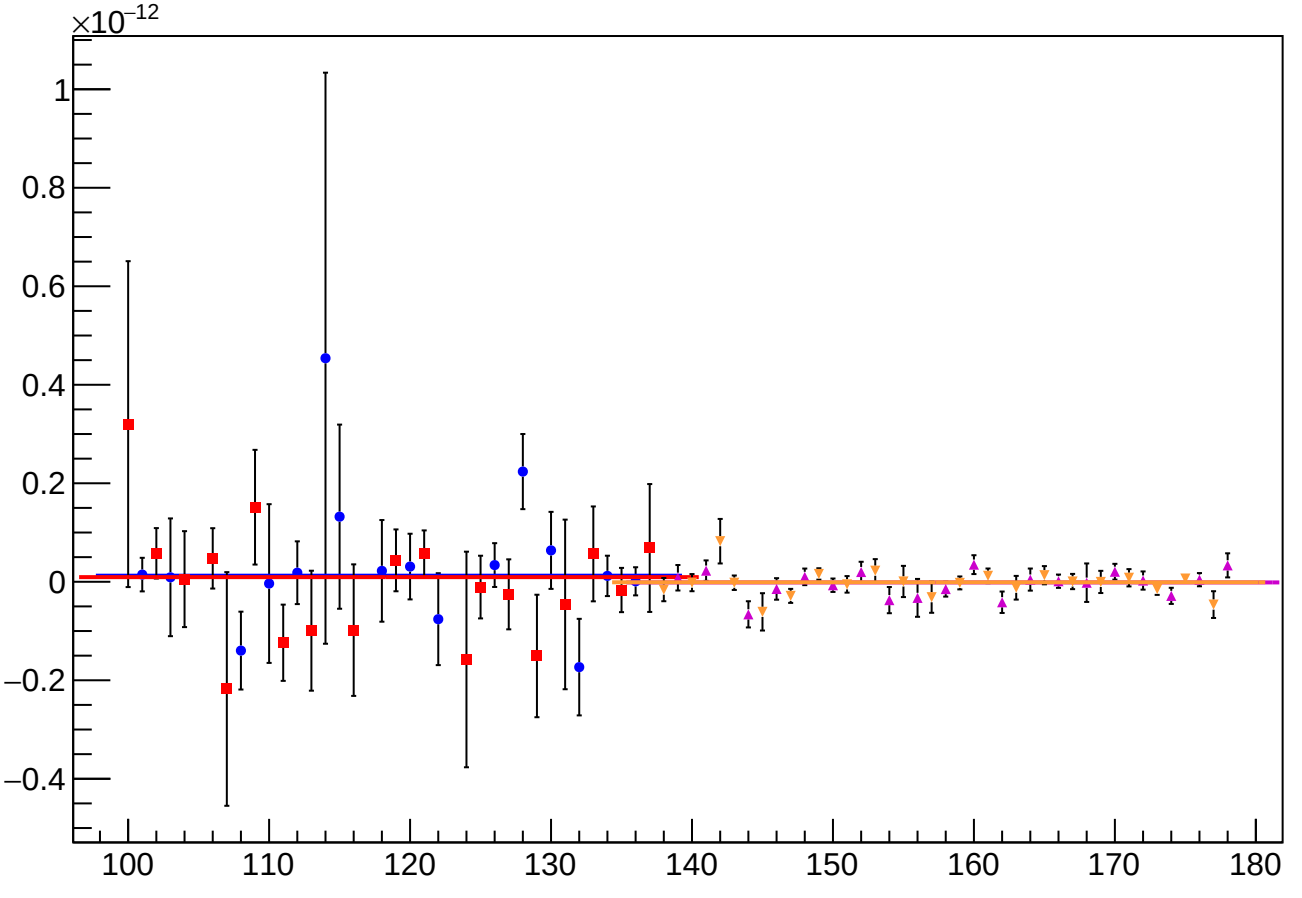
Left: 1958.860+/-0.241 χ^2/NDF: 178413.2/40

Right: 2144.044+/-0.407 χ^2/NDF: 1587235.2/34

In: 2000.554+/-0.294 χ^2/NDF:903212.6/35

Out: 2013.494+/-0.293 χ^2/NDF:1014541.0/39

All: 2007.045+/-0.208 χ^2/NDF: 1918724.3/75



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:26.6/19

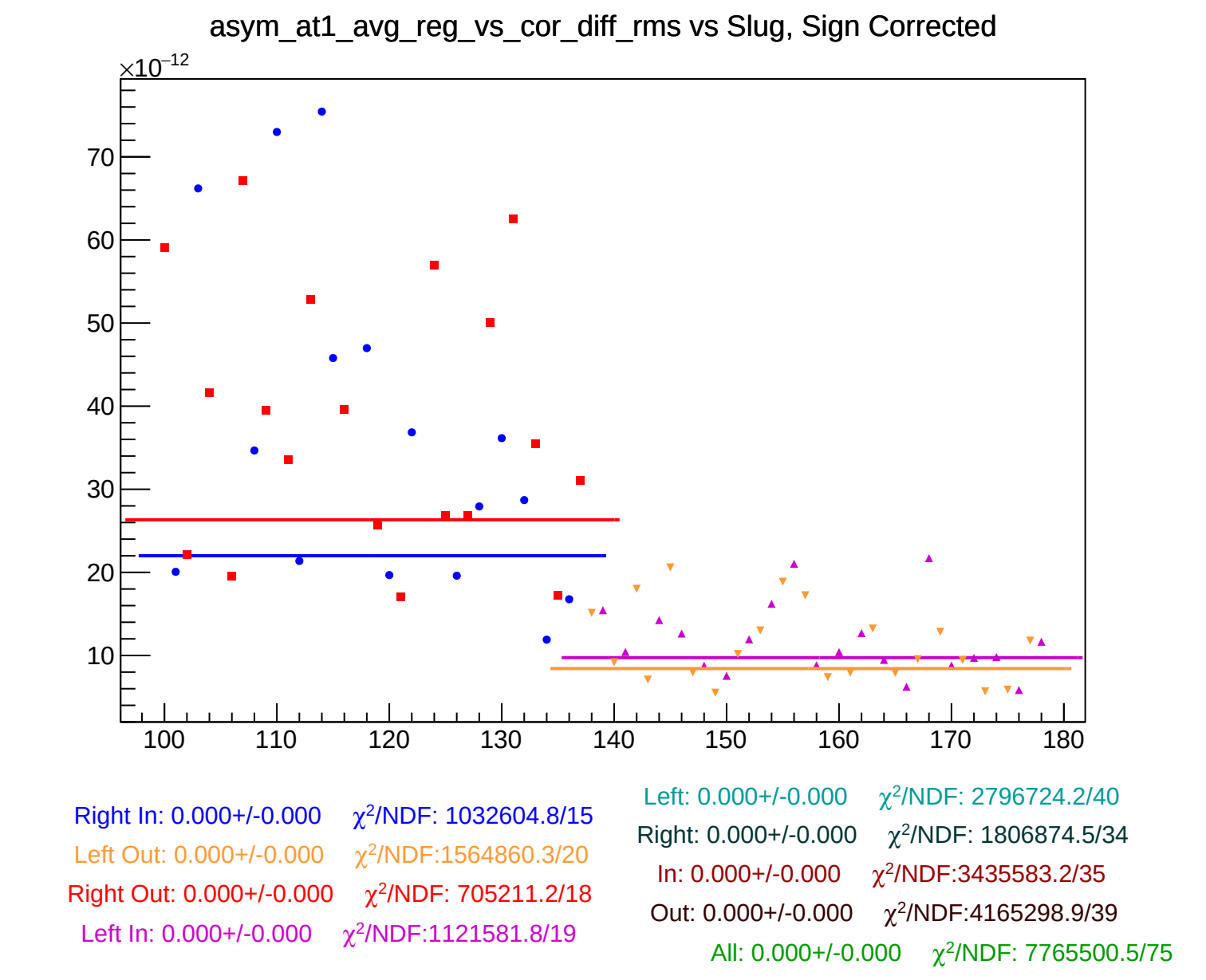
Left: -0.000+/-0.000 χ^2/NDF: 47.5/40

Right: 0.000+/-0.000 χ^2/NDF: 31.6/34

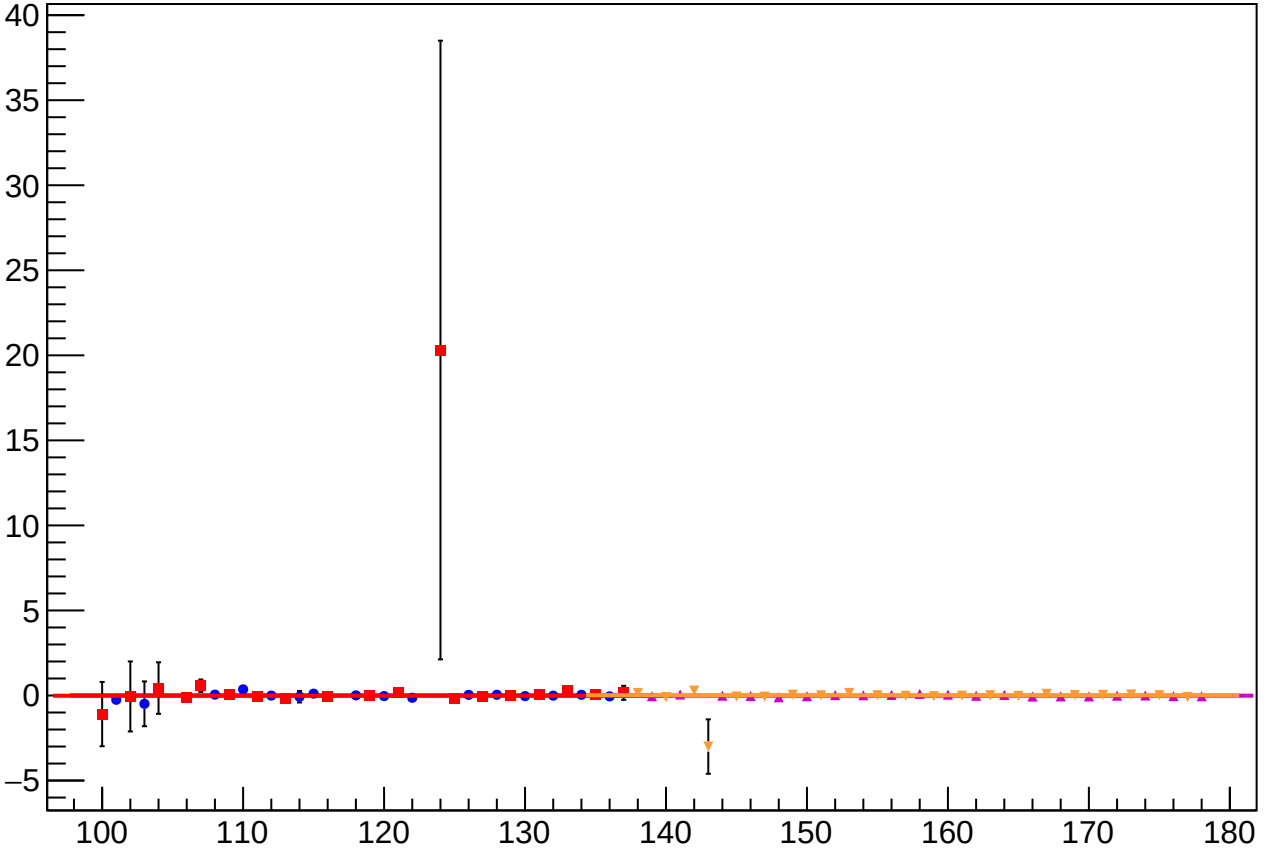
In: -0.000+/-0.000 χ^2/NDF:45.2/35

Out: -0.000+/-0.000 χ^2/NDF:35.0/39

All: -0.000+/-0.000 χ^2/NDF: 80.2/75


asym_at1_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1032604.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1564860.3/20
Right Out: 0.000+/-0.000 χ²/NDF: 705211.2/18
Left In: 0.000+/-0.000 χ²/NDF:1121581.8/19
Left: 0.000+/-0.000 χ²/NDF: 2796724.2/40
Right: 0.000+/-0.000 χ²/NDF: 1806874.5/34
In: 0.000+/-0.000 χ²/NDF:3435583.2/35
Out: 0.000+/-0.000 χ²/NDF:4165298.9/39
All: 0.000+/-0.000 χ²/NDF: 7765500.5/75

asym_at1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.018+/-0.013 χ^2/NDF:26.9/20

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.009+/-0.013 χ^2/NDF:14.8/19

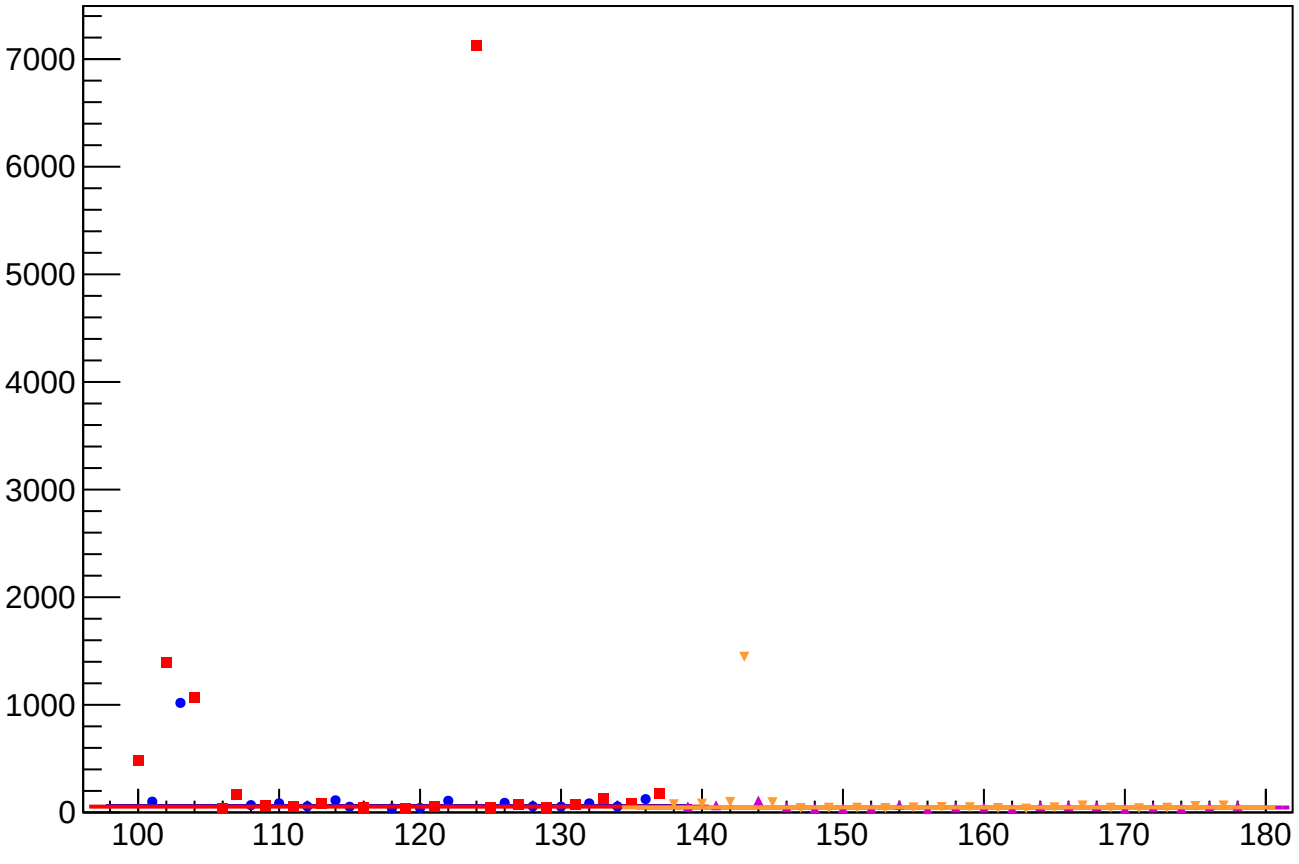
Left: 0.004+/-0.009 χ^2/NDF: 43.9/40

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.007+/-0.012 χ^2/NDF:26.4/35

Out: 0.011+/-0.012 χ^2/NDF:45.6/39

All: 0.002+/-0.008 χ^2/NDF: 73.3/75



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: 46.050+/-0.009 χ^2/NDF:1802633.5/19

Left: 46.440+/-0.007 χ^2/NDF: 4974473.8/40

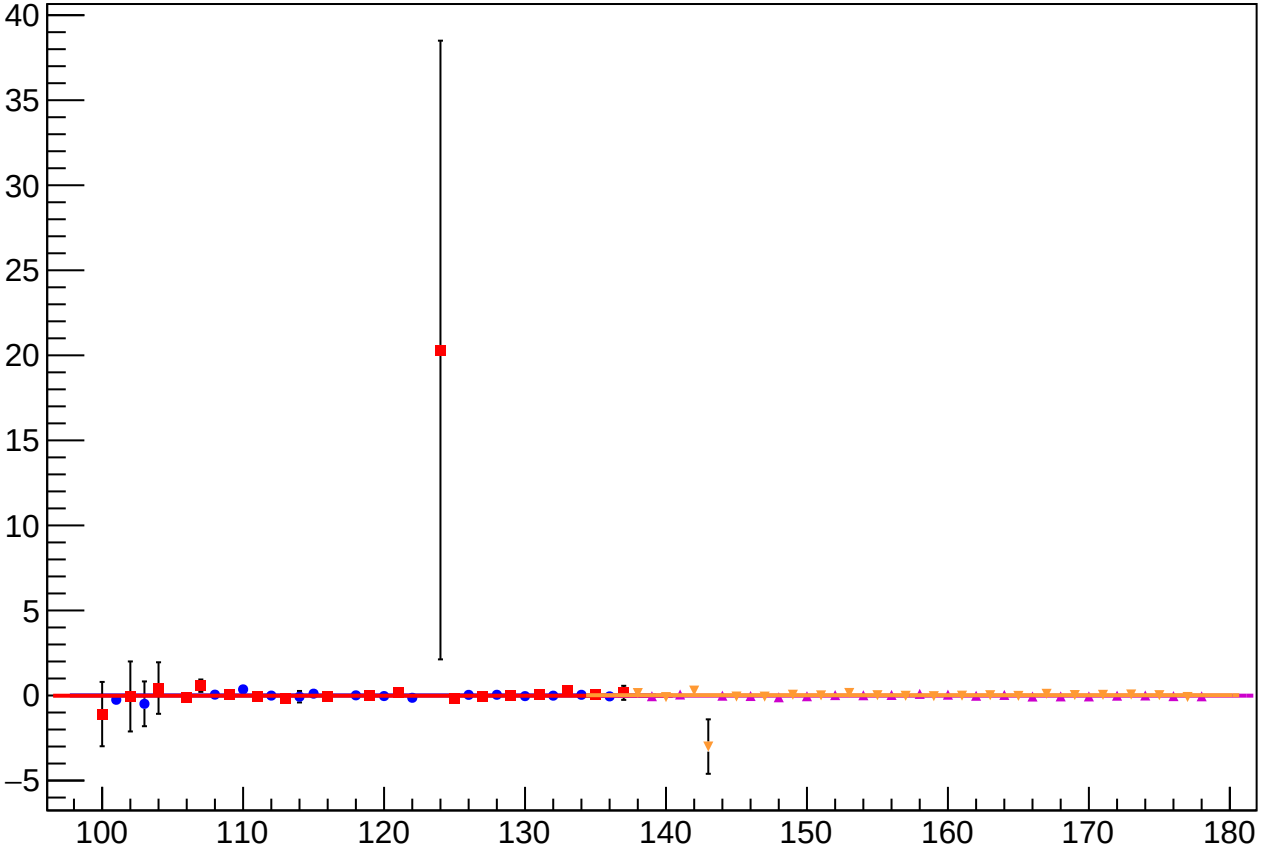
Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 48.636+/-0.008 χ^2/NDF:4774330.0/35

Out: 48.379+/-0.008 χ^2/NDF:6820001.5/39

All: 48.509+/-0.006 χ^2/NDF: 11594819.8/75

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: -0.009+/-0.013 χ^2/NDF:14.8/19

Left: 0.004+/-0.009 χ^2/NDF: 43.9/40

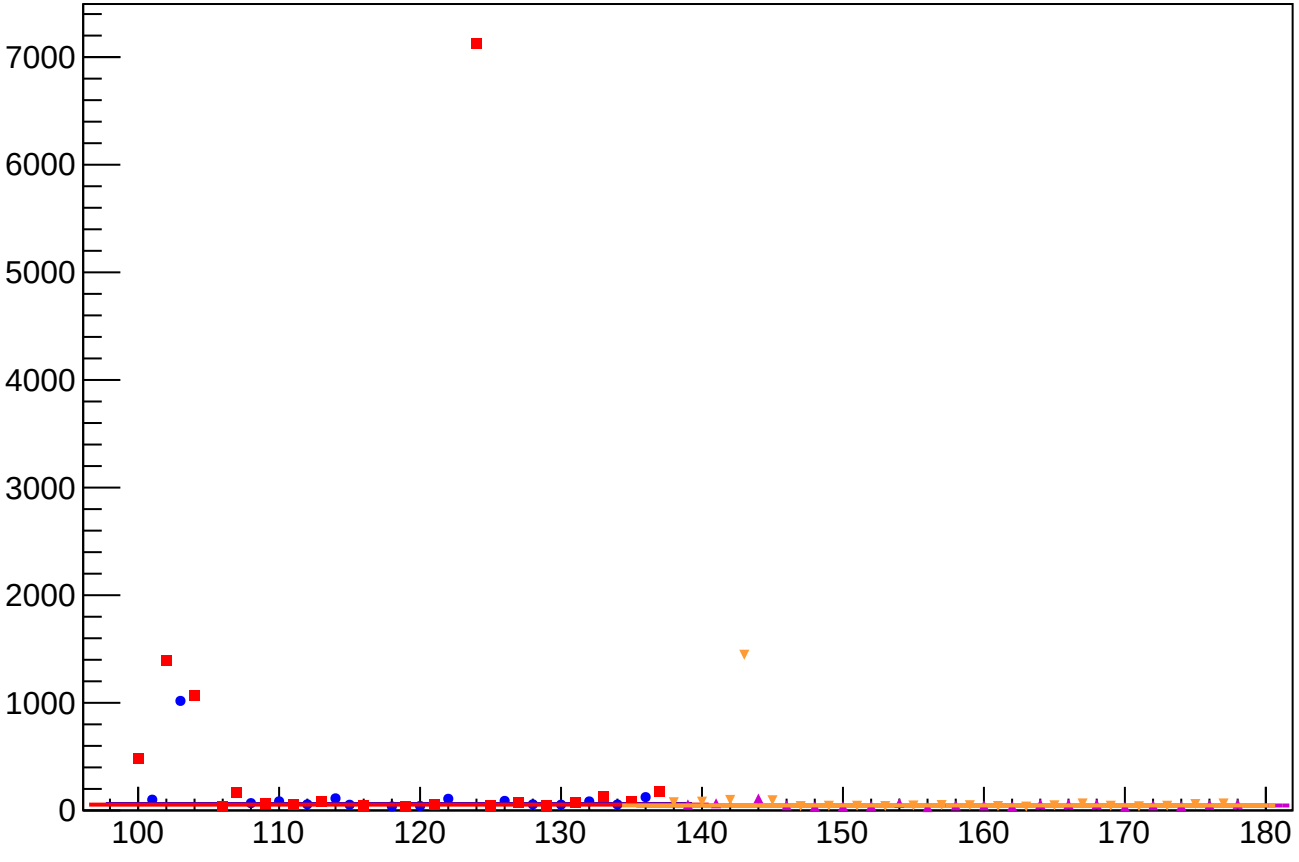
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.007+/-0.012 χ^2/NDF:26.4/35

Out: 0.011+/-0.012 χ^2/NDF:45.6/39

All: 0.002+/-0.008 χ^2/NDF: 73.3/75

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: 46.050+/-0.009 χ^2/NDF:1802633.5/19

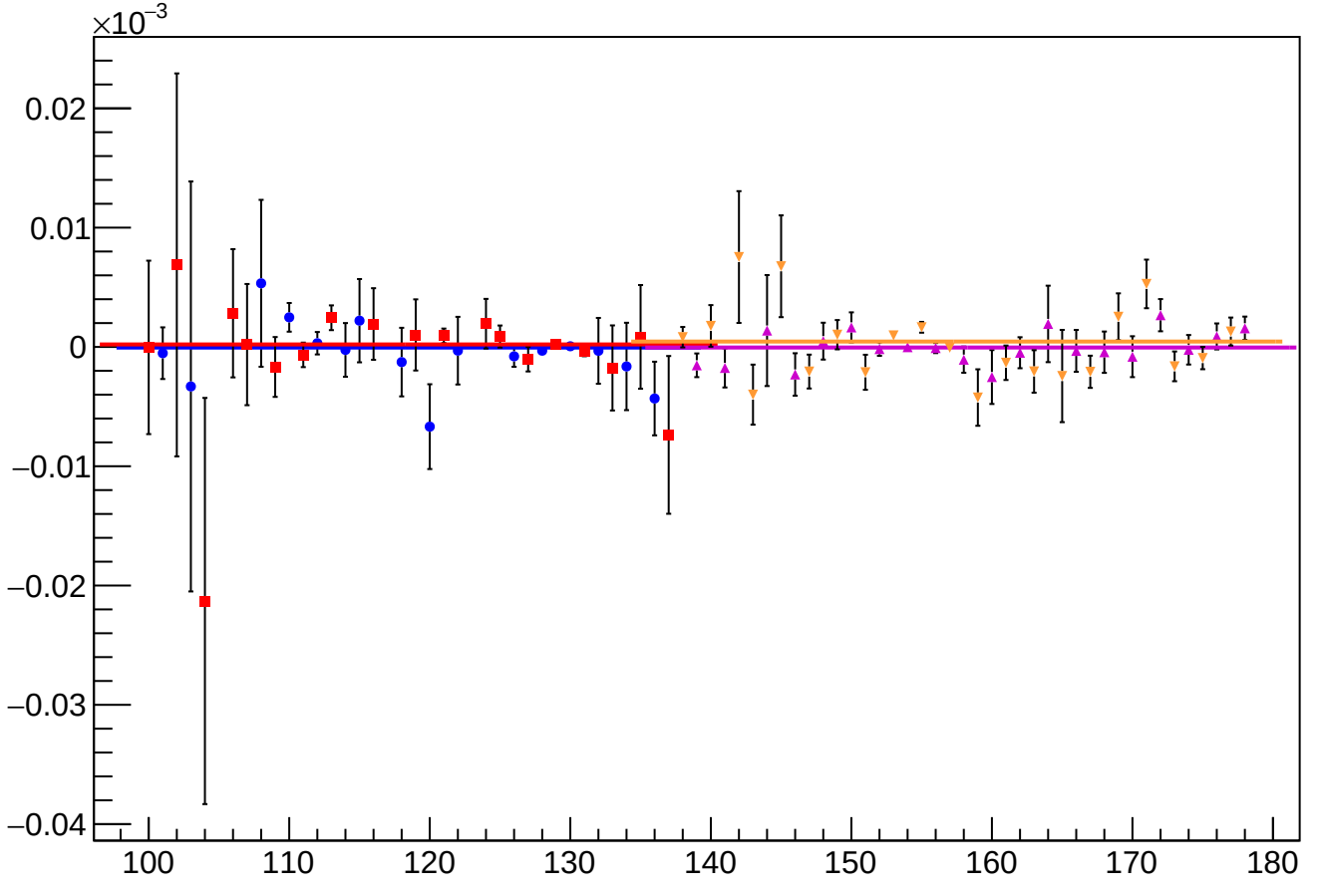
Left: 46.440+/-0.007 χ^2/NDF: 4974473.8/40

Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 48.636+/-0.008 χ^2/NDF:4774330.0/35

Out: 48.379+/-0.008 χ^2/NDF:6820001.5/39

All: 48.509+/-0.006 χ^2/NDF: 11594819.8/75



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:17.4/19

Left: 0.000+/-0.000 χ^2/NDF: 68.8/40

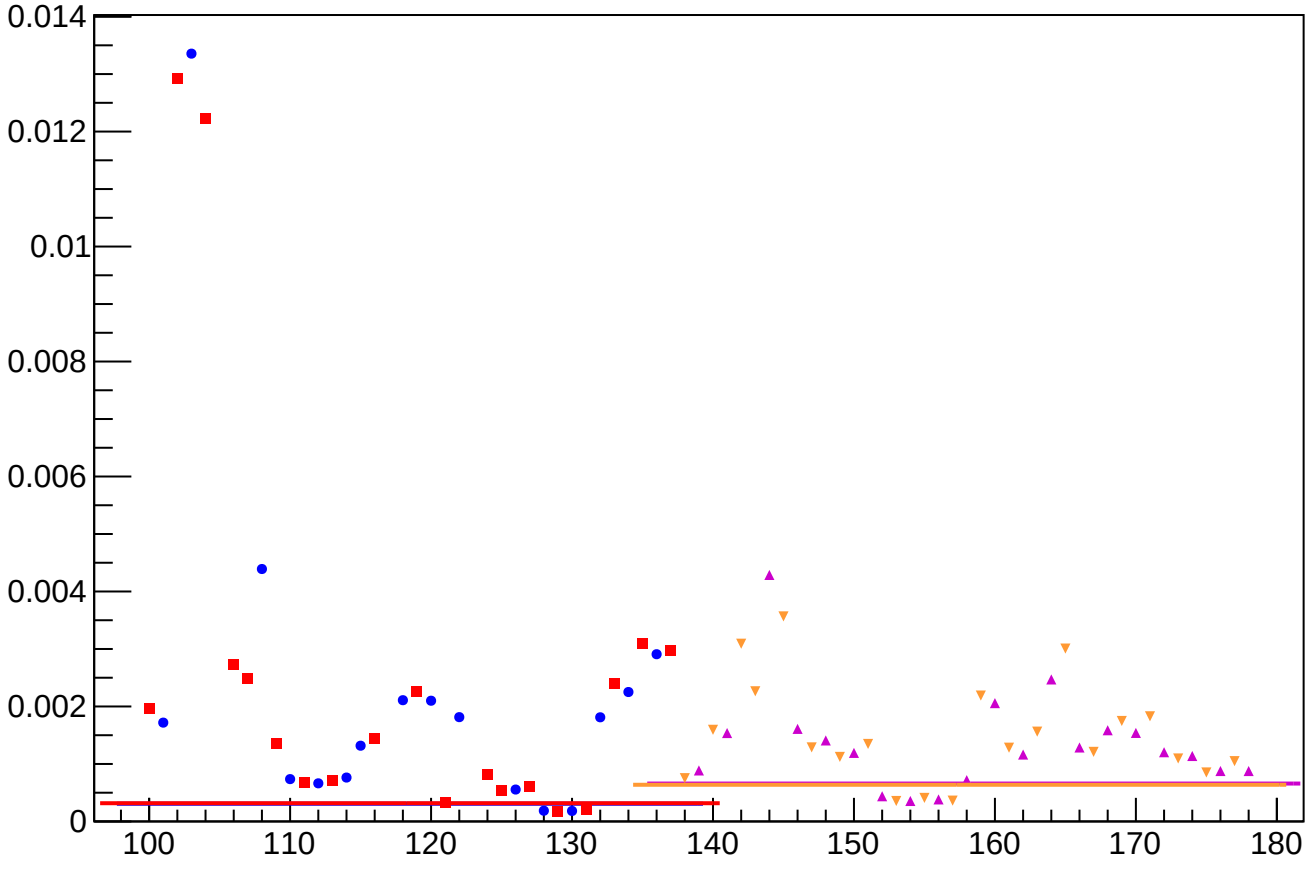
Right: 0.000+/-0.000 χ^2/NDF: 29.4/34

In: -0.000+/-0.000 χ^2/NDF:30.2/35

Out: 0.000+/-0.000 χ^2/NDF:64.7/39

All: 0.000+/-0.000 χ^2/NDF: 98.6/75

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 8756212.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:11367695.9/20

Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:9587698.3/19

Left: 0.001+/-0.000 χ^2/NDF: 20966611.7/40

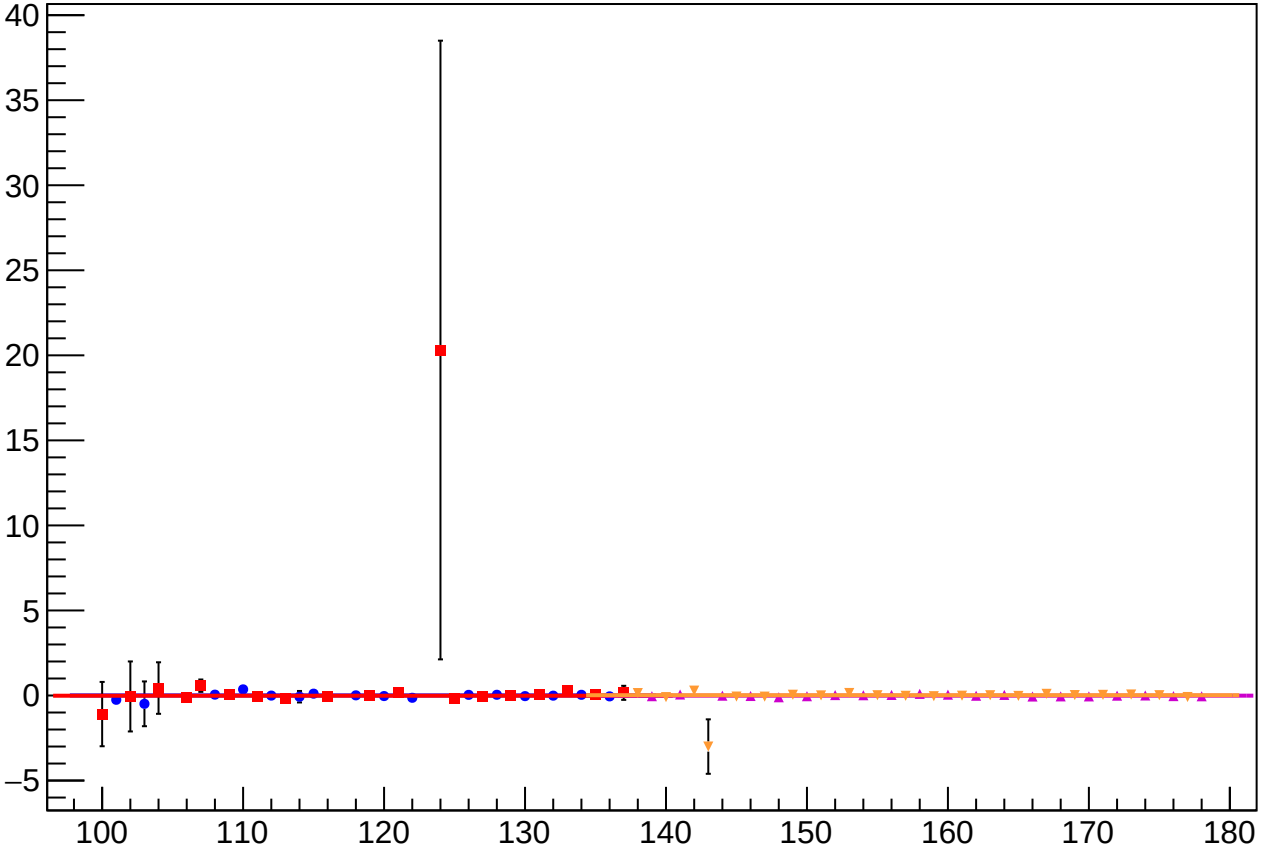
Right: 0.000+/-0.000 χ^2/NDF: 16773891.5/34

In: 0.000+/-0.000 χ^2/NDF:21468108.6/35

Out: 0.000+/-0.000 χ^2/NDF:22100680.6/39

All: 0.000+/-0.000 χ^2/NDF: 43568799.6/75

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: -0.009+/-0.013 χ^2/NDF:14.8/19

Left: 0.004+/-0.009 χ^2/NDF: 43.9/40

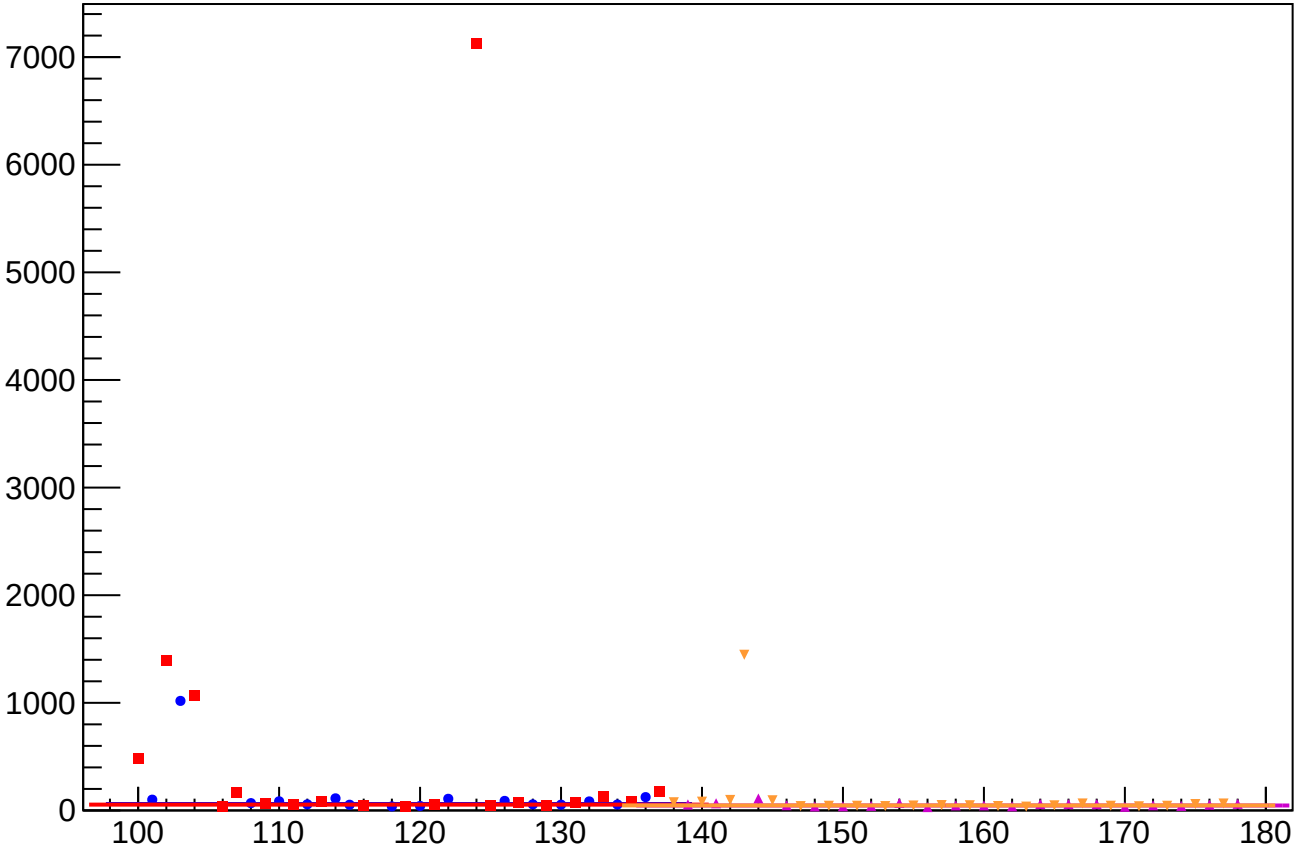
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.007+/-0.012 χ^2/NDF:26.4/35

Out: 0.011+/-0.012 χ^2/NDF:45.6/39

All: 0.002+/-0.008 χ^2/NDF: 73.3/75

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: 46.050+/-0.009 χ^2/NDF:1802630.3/19

Left: 46.440+/-0.007 χ^2/NDF: 4974453.6/40

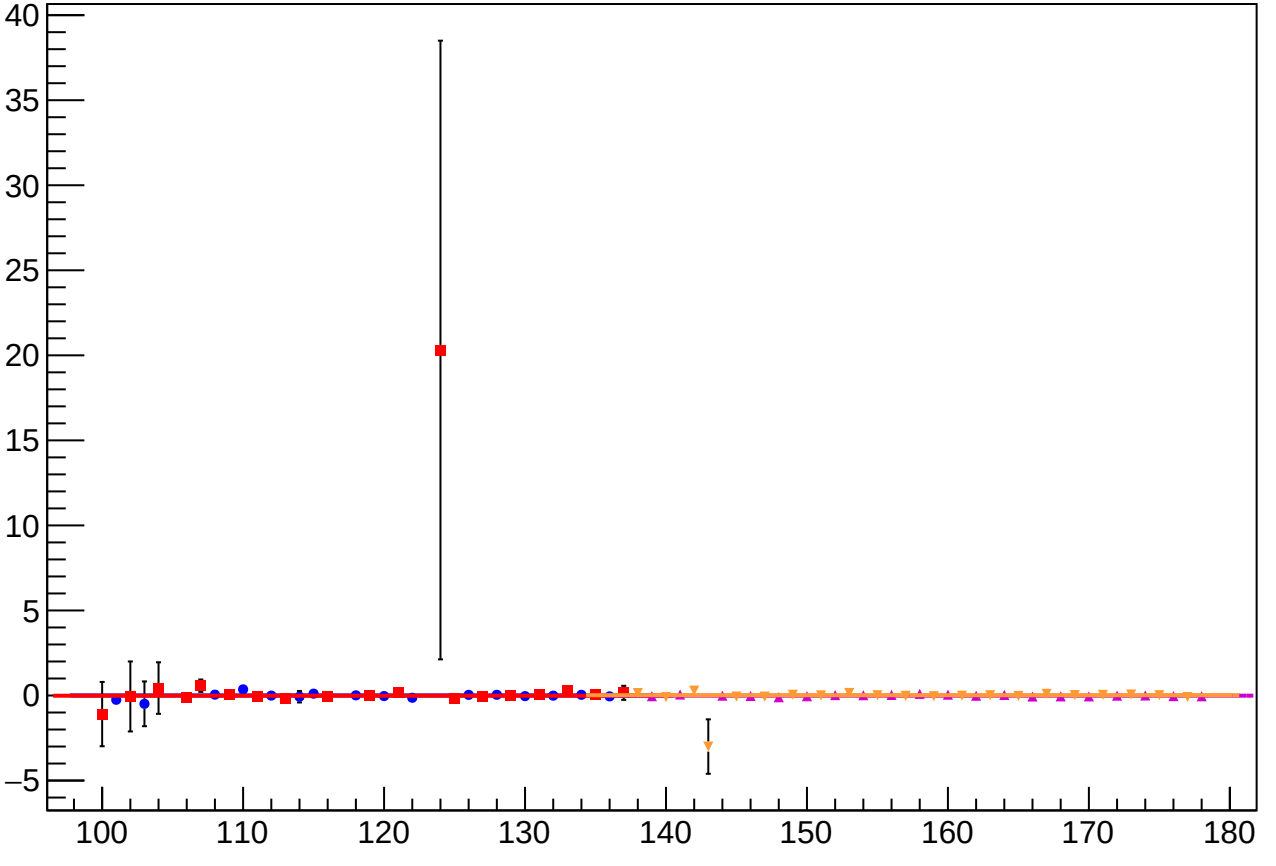
Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 48.636+/-0.008 χ^2/NDF:4774330.5/35

Out: 48.379+/-0.008 χ^2/NDF:6819999.9/39

All: 48.509+/-0.006 χ^2/NDF: 11594818.4/75

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: -0.009+/-0.013 χ^2/NDF:14.8/19

Left: 0.004+/-0.009 χ^2/NDF: 43.9/40

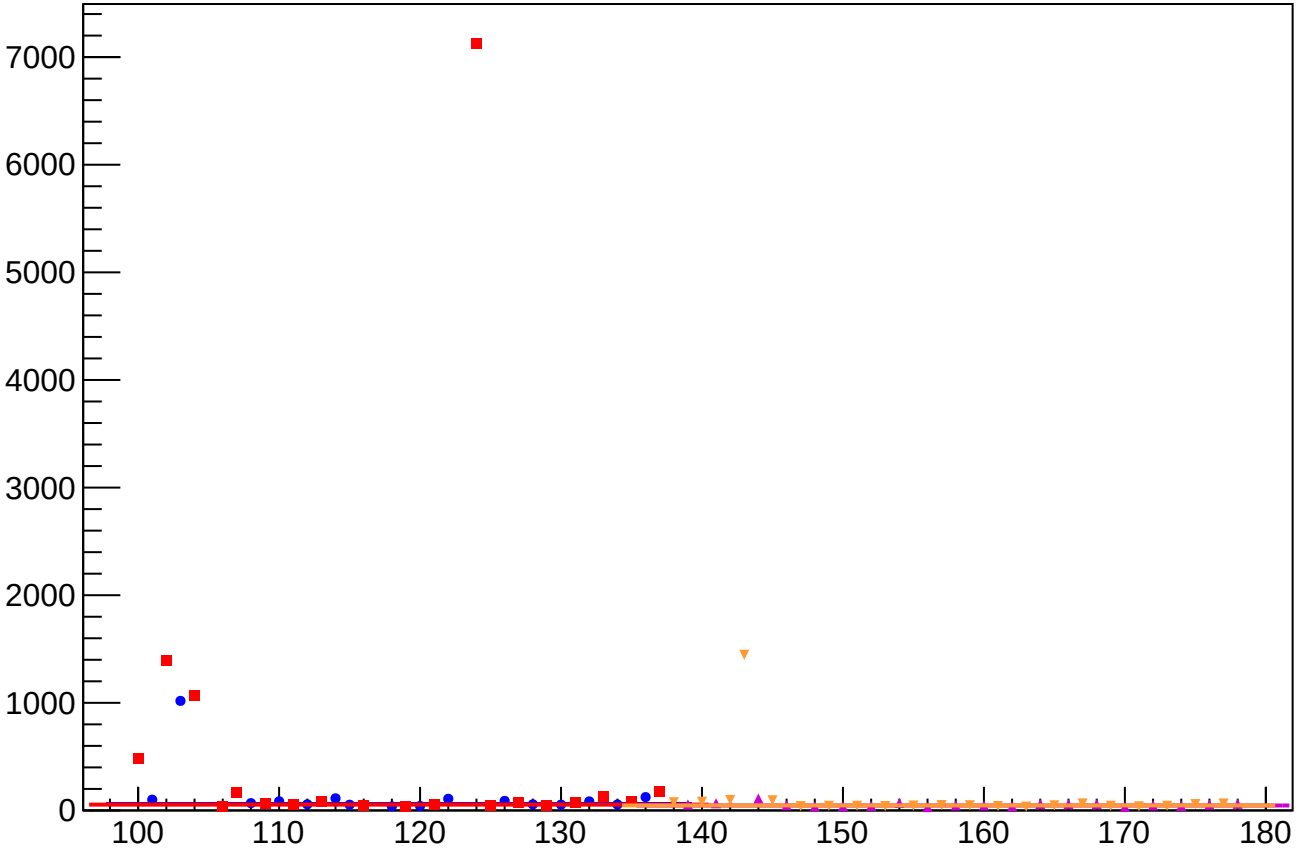
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.007+/-0.012 χ^2/NDF:26.4/35

Out: 0.011+/-0.012 χ^2/NDF:45.6/39

All: 0.002+/-0.008 χ^2/NDF: 73.3/75

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: 46.050+/-0.009 χ^2/NDF:1802630.3/19

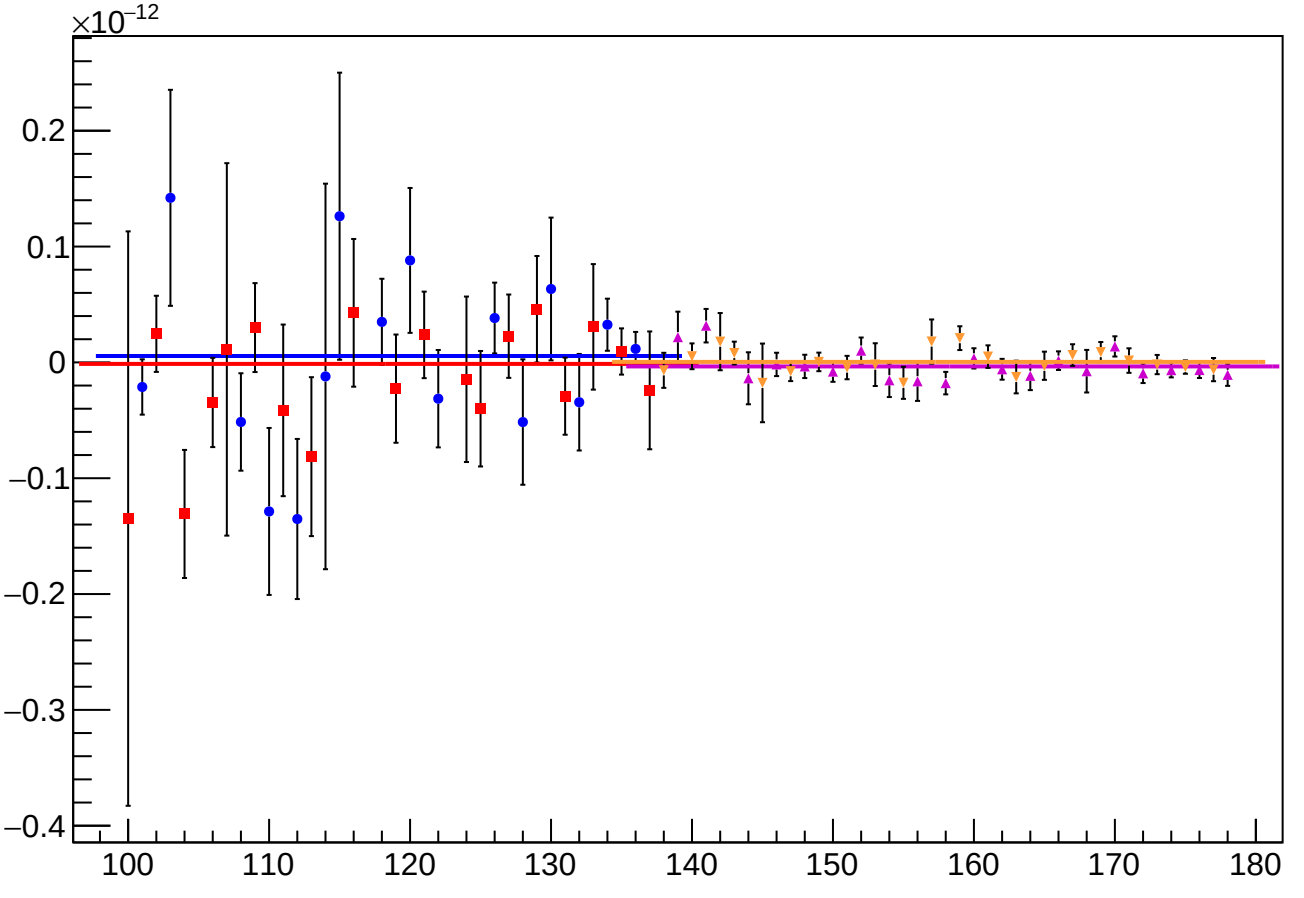
Left: 46.440+/-0.007 χ^2/NDF: 4974453.6/40

Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 48.636+/-0.008 χ^2/NDF:4774330.5/35

Out: 48.379+/-0.008 χ^2/NDF:6819999.9/39

All: 48.509+/-0.006 χ^2/NDF: 11594818.4/75



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:19.7/19

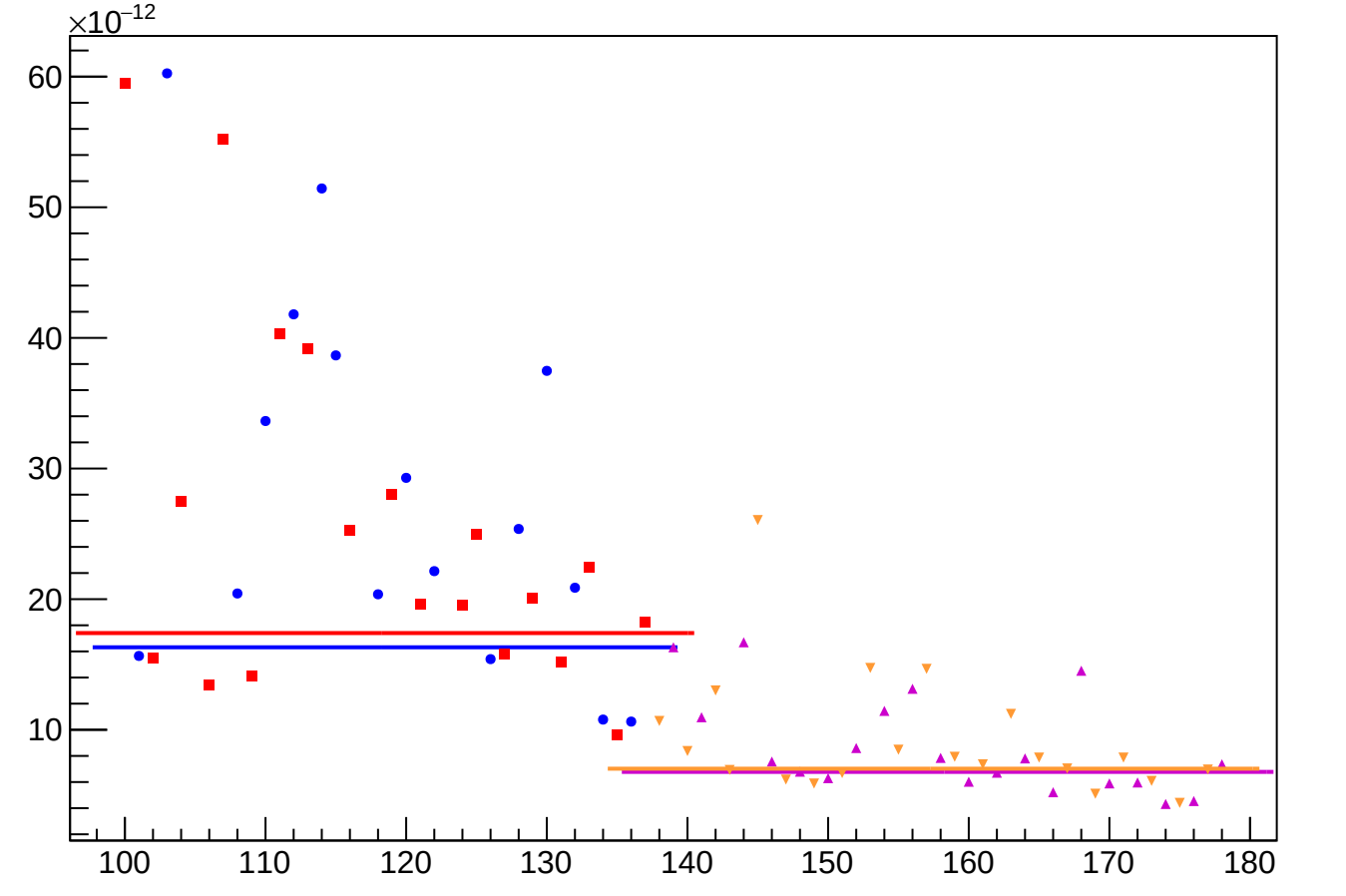
Left: -0.000+/-0.000 χ^2/NDF: 34.3/40

Right: 0.000+/-0.000 χ^2/NDF: 37.2/34

In: -0.000+/-0.000 χ^2/NDF:43.3/35

Out: 0.000+/-0.000 χ^2/NDF:27.4/39

All: -0.000+/-0.000 χ^2/NDF: 71.8/75



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:2541700.8/19

Left: 0.000+/-0.000 χ^2/NDF: 4948974.7/40

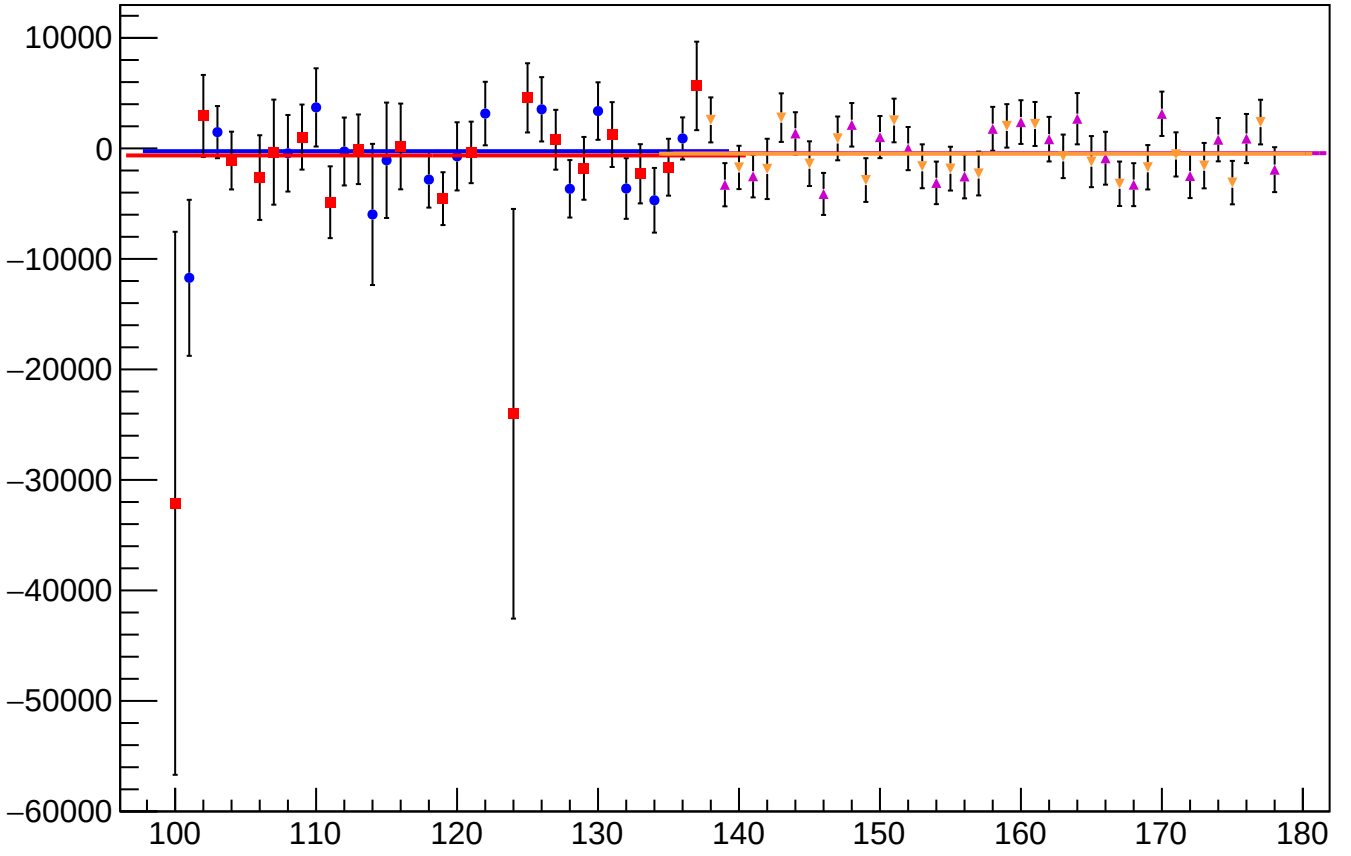
Right: 0.000+/-0.000 χ^2/NDF: 3106014.7/34

In: 0.000+/-0.000 χ^2/NDF:6719734.2/35

Out: 0.000+/-0.000 χ^2/NDF:5733302.4/39

All: 0.000+/-0.000 χ^2/NDF: 12460192.5/75

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: -475.747+/-444.687 χ^2/NDF:21.0/20

Right Out: -636.082+/-735.477 χ^2/NDF: 15.9/18

Left In: -431.618+/-448.033 χ^2/NDF:26.5/19

Left: -453.848+/-315.618 χ^2/NDF: 47.5/40

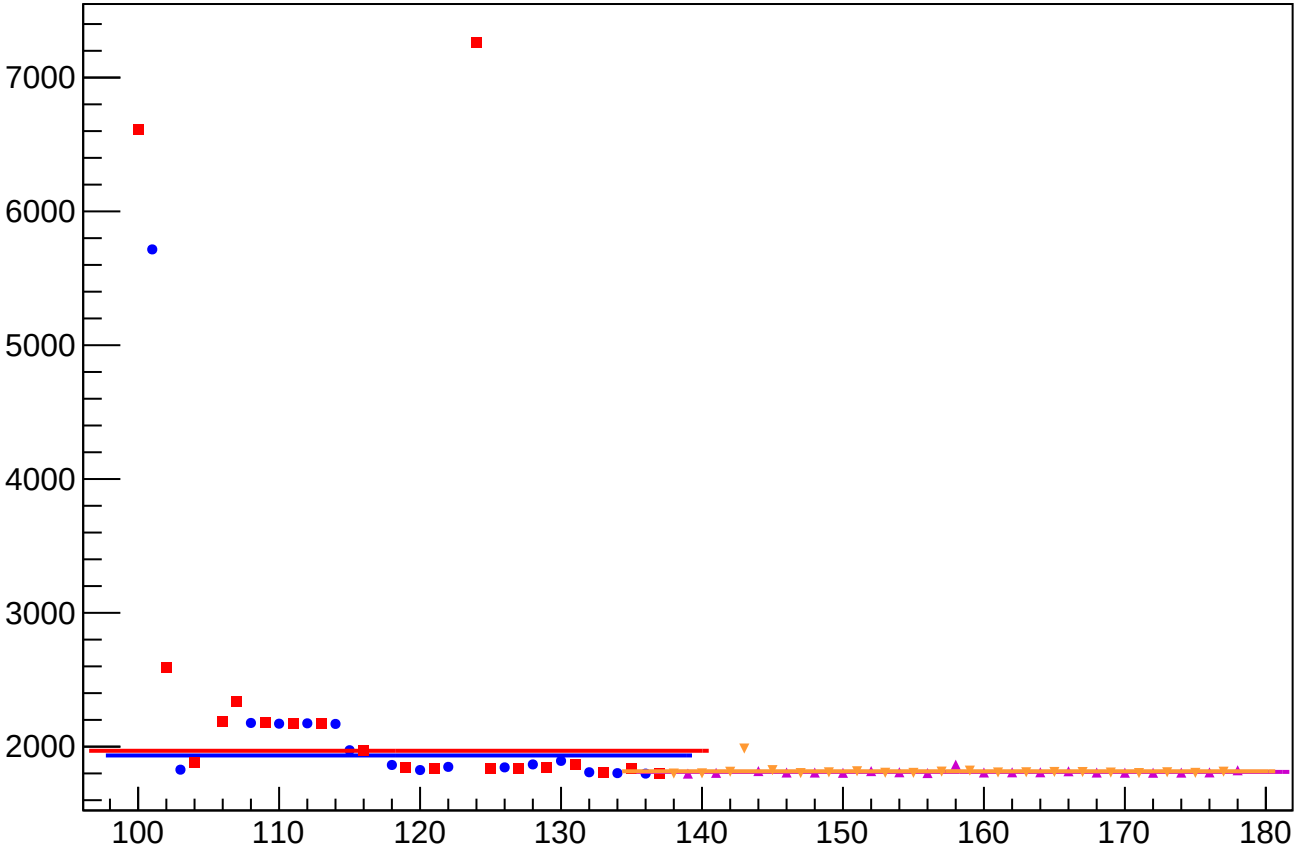
Right: -443.594+/-519.932 χ^2/NDF: 33.3/34

In: -382.778+/-382.577 χ^2/NDF:43.8/35

Out: -518.669+/-380.538 χ^2/NDF:37.0/39

All: -451.087+/-269.799 χ^2/NDF: 80.8/75

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: 1811.383+/-0.317 χ^2/NDF:1882.2/19

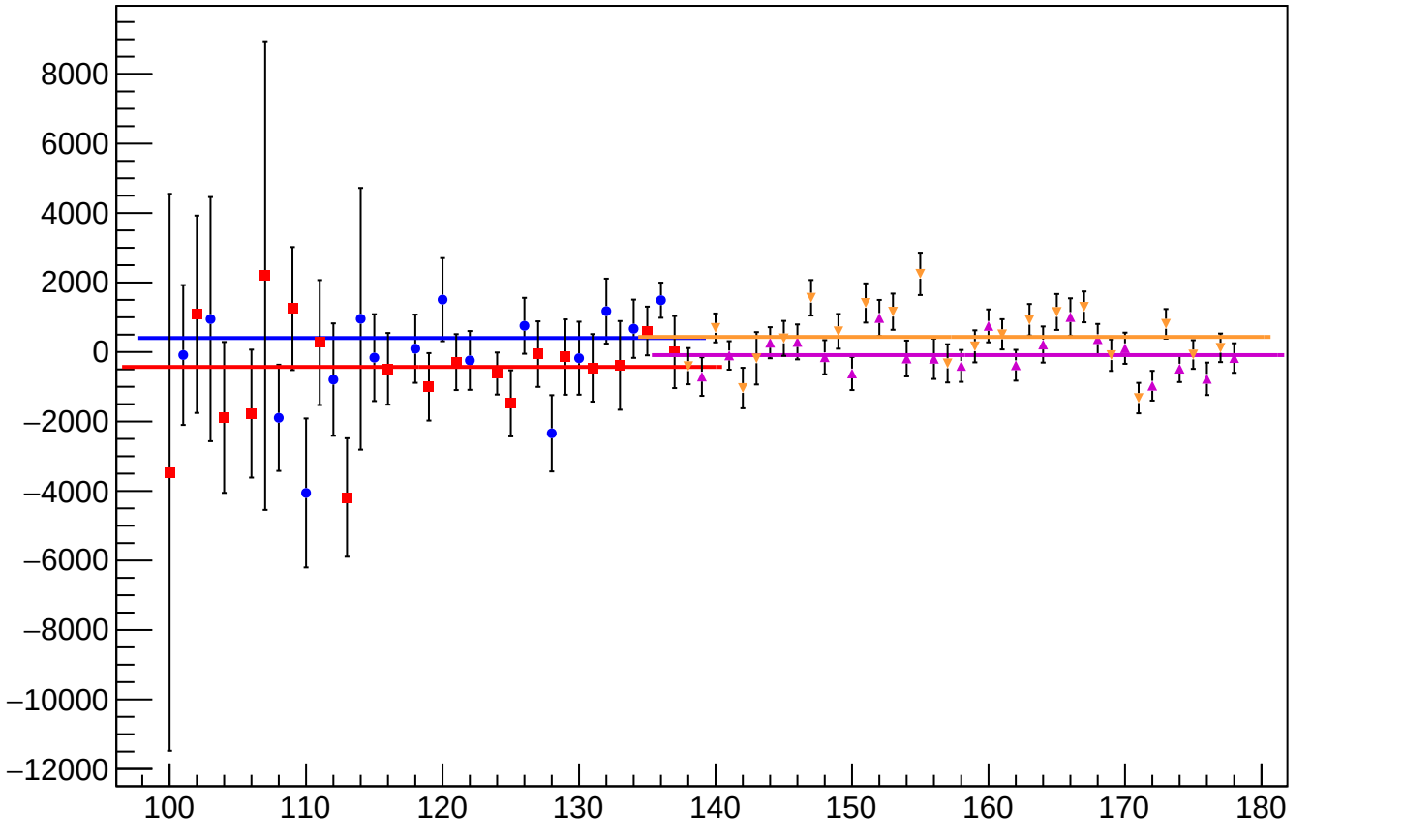
Left: 1813.700+/-0.223 χ^2/NDF: 14842.5/40

Right: 1951.702+/-0.368 χ^2/NDF: 1020563.0/34

In: 1844.653+/-0.271 χ^2/NDF:682519.0/35

Out: 1857.001+/-0.269 χ^2/NDF:454798.1/39

All: 1850.860+/-0.191 χ^2/NDF: 1138364.4/75



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: -89.166+/-104.773 χ^2/NDF:25.3/19

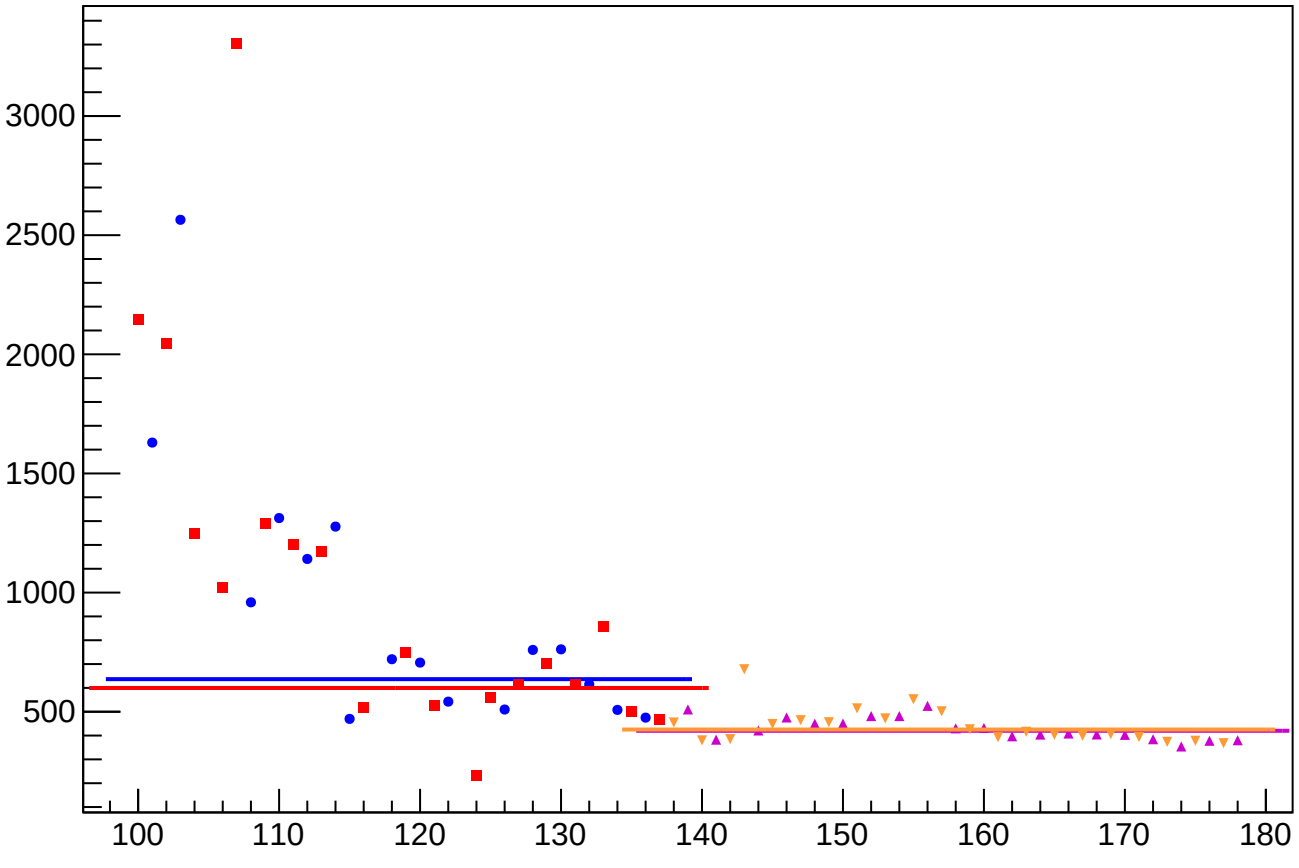
Left: 170.623+/-74.340 χ^2/NDF: 96.0/40

Right: -23.083+/-180.772 χ^2/NDF: 38.2/34

In: -19.810+/-97.104 χ^2/NDF:49.5/35

Out: 305.871+/-97.359 χ^2/NDF:80.0/39

All: 142.603+/-68.753 χ^2/NDF: 135.2/75



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: 420.016+/-0.074 χ^2/NDF:352018.9/19

Left: 422.614+/-0.053 χ^2/NDF: 964668.6/40

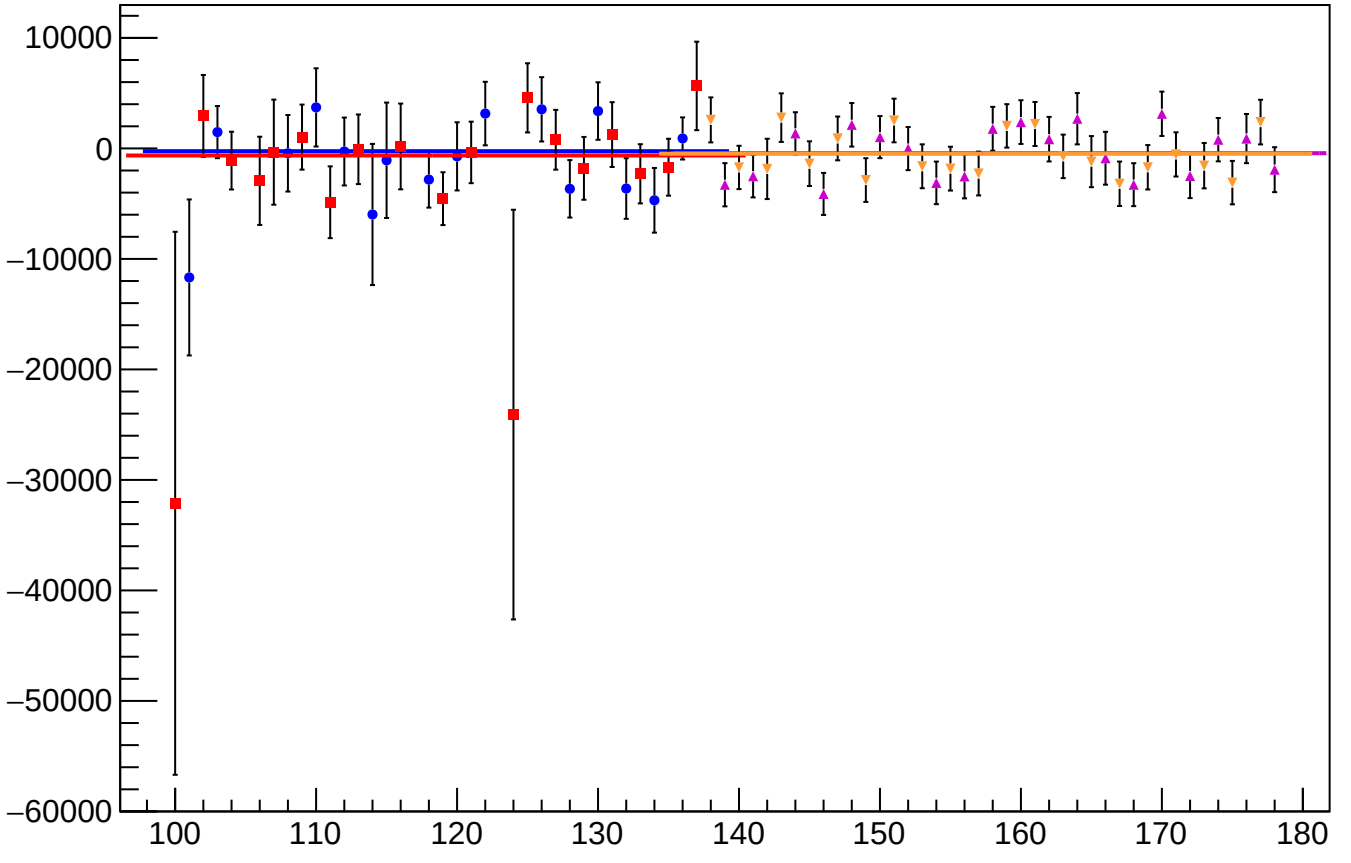
Right: 617.749+/-0.128 χ^2/NDF: 5032005.8/34

In: 450.574+/-0.069 χ^2/NDF:3625314.1/35

Out: 451.108+/-0.069 χ^2/NDF:4364668.3/39

All: 450.840+/-0.049 χ^2/NDF: 7990012.4/75

cor_asym_at1_dd_mean vs Slug, Sign Corrected



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: -431.633+/-448.033 χ^2/NDF:26.5/19

Left: -453.877+/-315.618 χ^2/NDF: 47.5/40

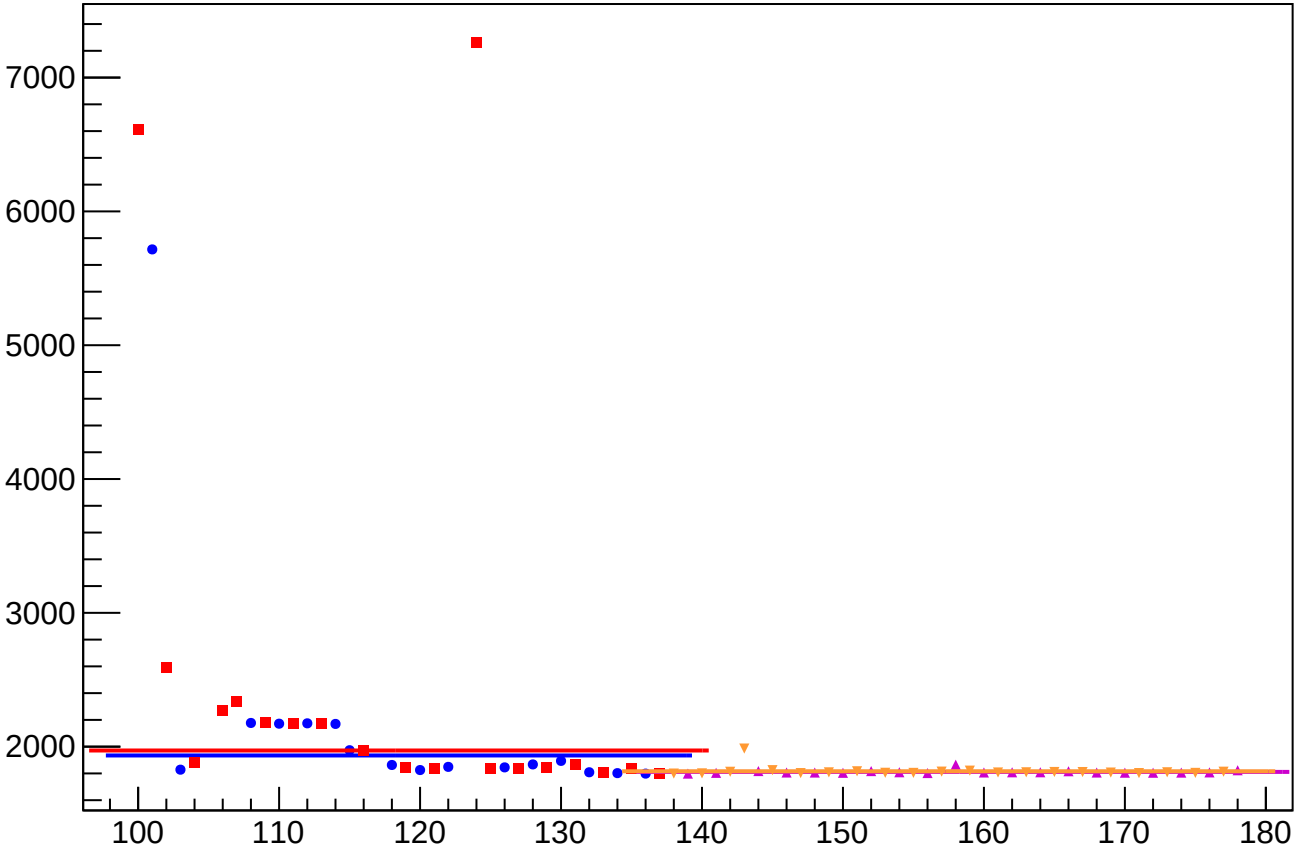
Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -382.570+/-382.577 χ^2/NDF:43.8/35

Out: -519.887+/-380.686 χ^2/NDF:37.0/39

All: -451.568+/-269.852 χ^2/NDF: 80.9/75

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: 1811.383+/-0.317 χ^2/NDF:1882.2/19

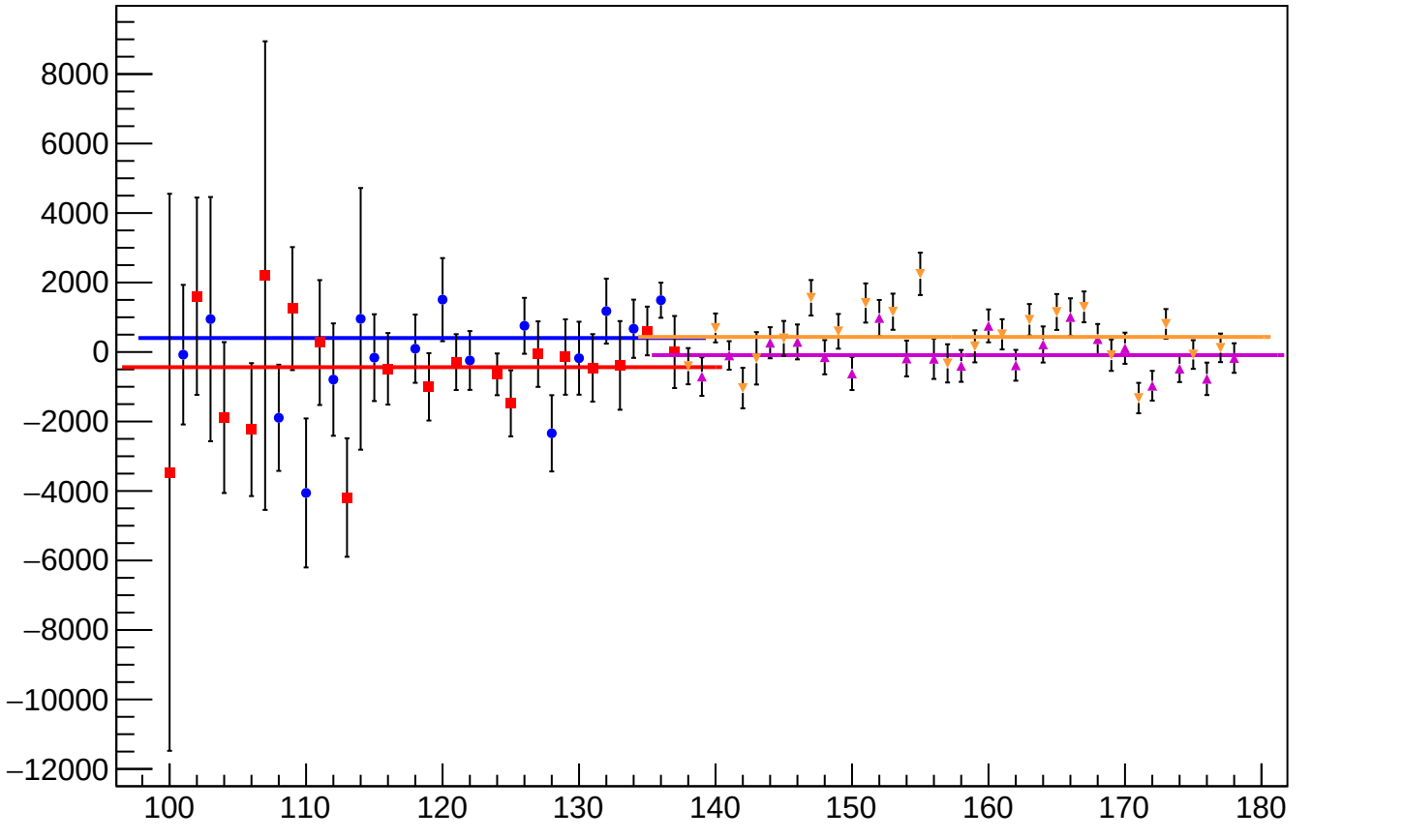
Left: 1813.700+/-0.223 χ^2/NDF: 14842.5/40

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1844.653+/-0.271 χ^2/NDF:682518.9/35

Out: 1857.489+/-0.269 χ^2/NDF:461255.2/39

All: 1851.102+/-0.191 χ^2/NDF: 1144905.4/75



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: -89.165+/-104.771 χ^2/NDF:25.3/19

Left: 170.608+/-74.339 χ^2/NDF: 96.0/40

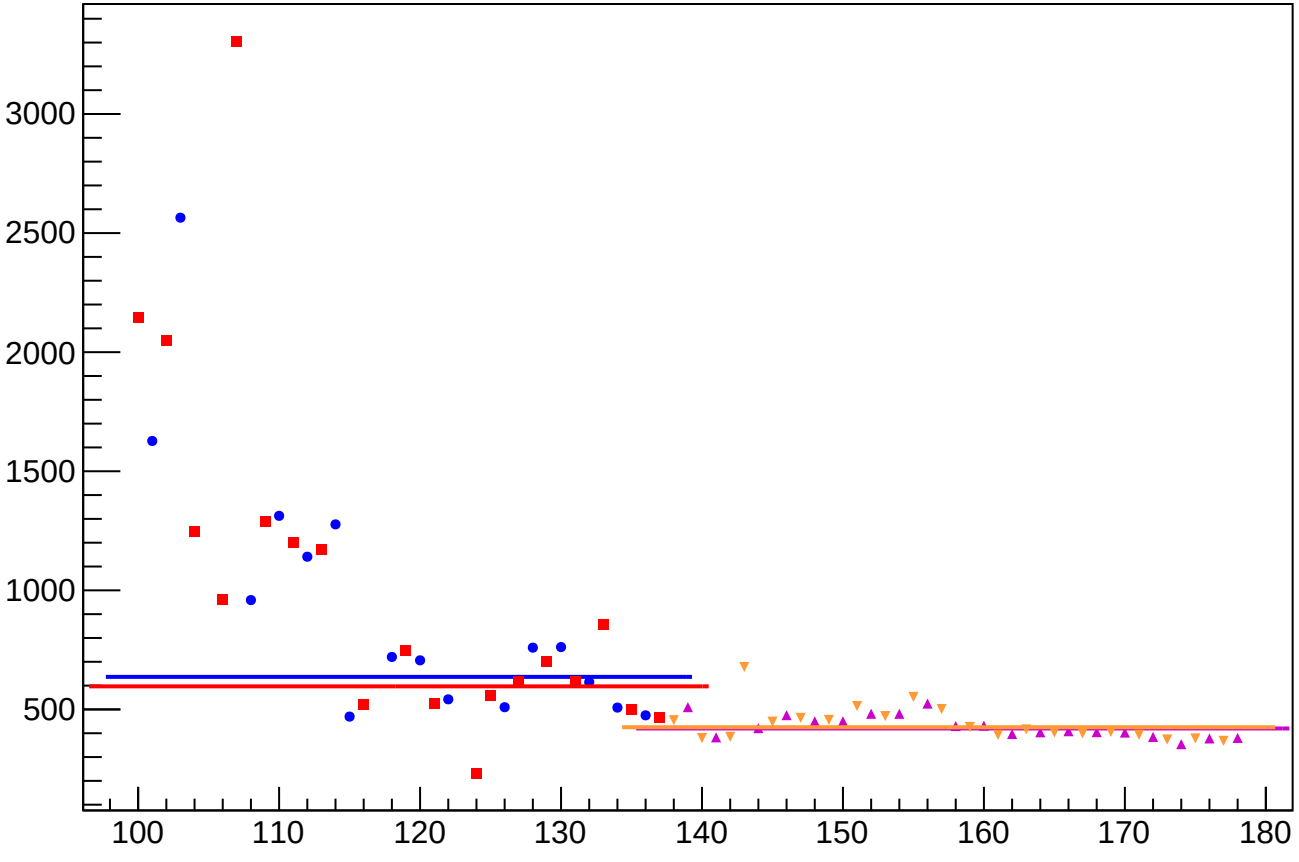
Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: -19.795+/-97.103 χ^2/NDF:49.5/35

Out: 304.737+/-97.351 χ^2/NDF:80.8/39

All: 142.057+/-68.750 χ^2/NDF: 135.9/75

asym_at1_dd_cor_correction_rms vs Slug, Sign Corrected



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: 420.011+/-0.074 χ^2/NDF:352061.4/19

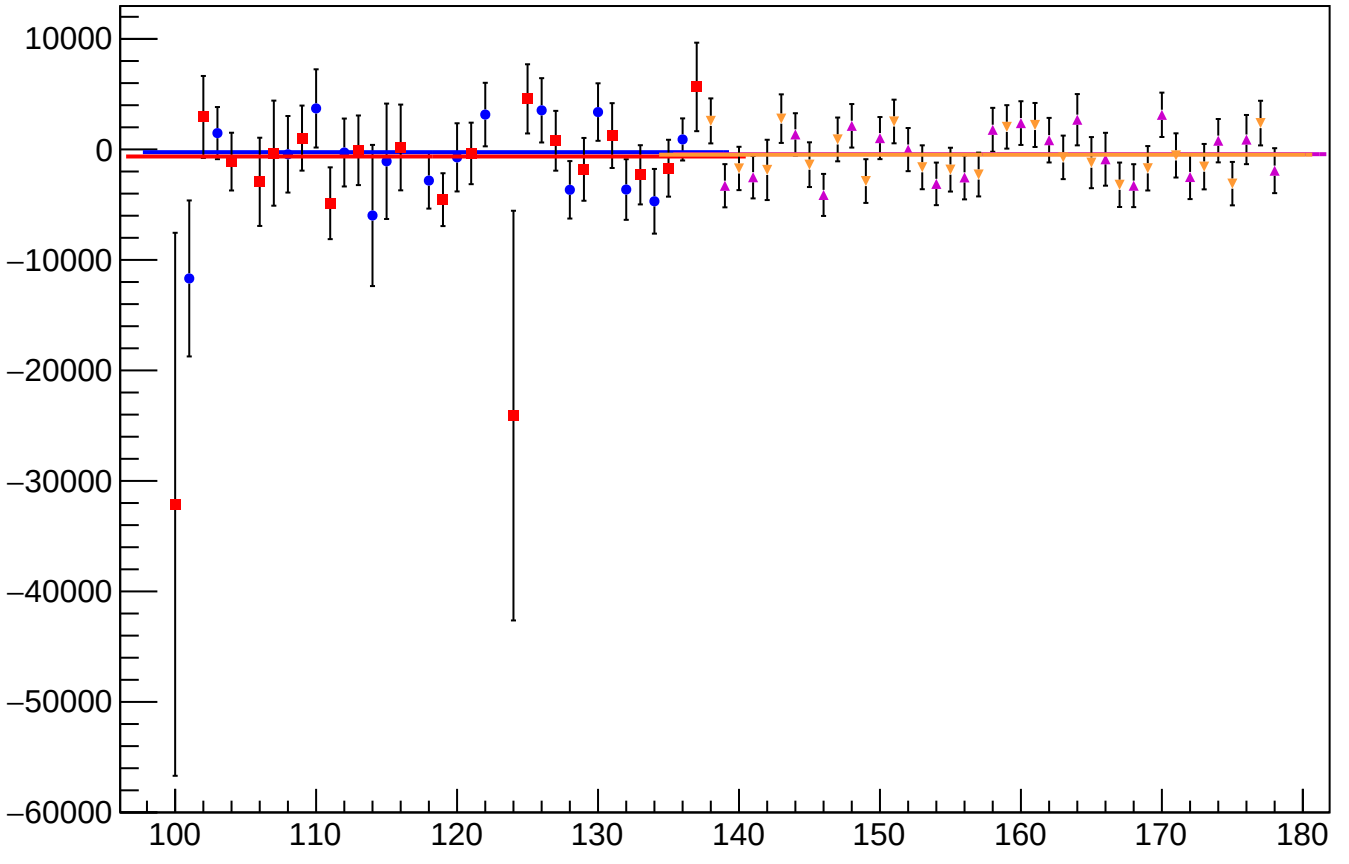
Left: 422.612+/-0.053 χ^2/NDF: 964668.5/40

Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 450.571+/-0.069 χ^2/NDF:3624613.5/35

Out: 450.724+/-0.069 χ^2/NDF:4326215.7/39

All: 450.647+/-0.049 χ^2/NDF: 7950831.7/75



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: -431.633+/-448.033 χ^2/NDF:26.5/19

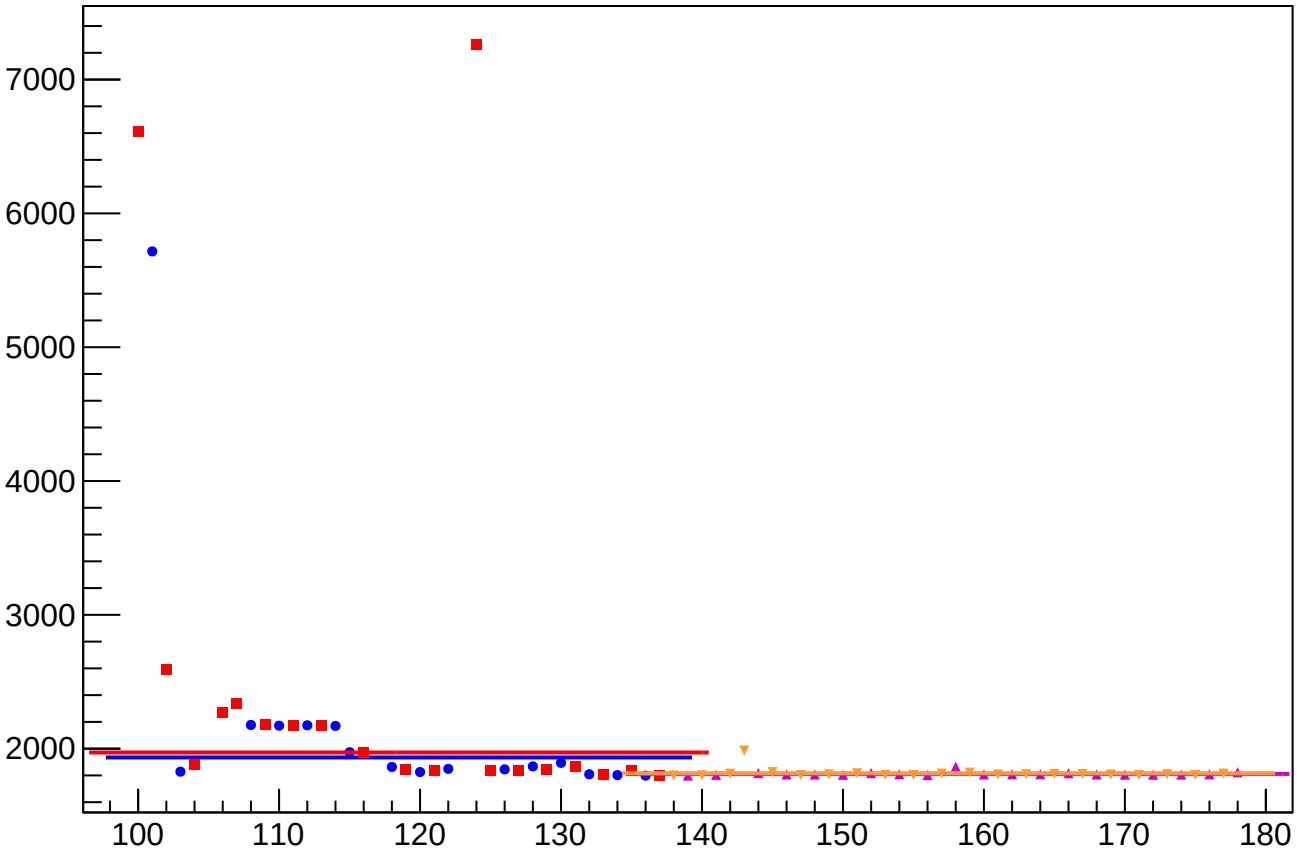
Left: -453.877+/-315.618 χ^2/NDF: 47.5/40

Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -382.570+/-382.577 χ^2/NDF:43.8/35

Out: -519.887+/-380.686 χ^2/NDF:37.0/39

All: -451.568+/-269.852 χ^2/NDF: 80.9/75



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: 1811.383+/-0.317 χ^2/NDF:1882.2/19

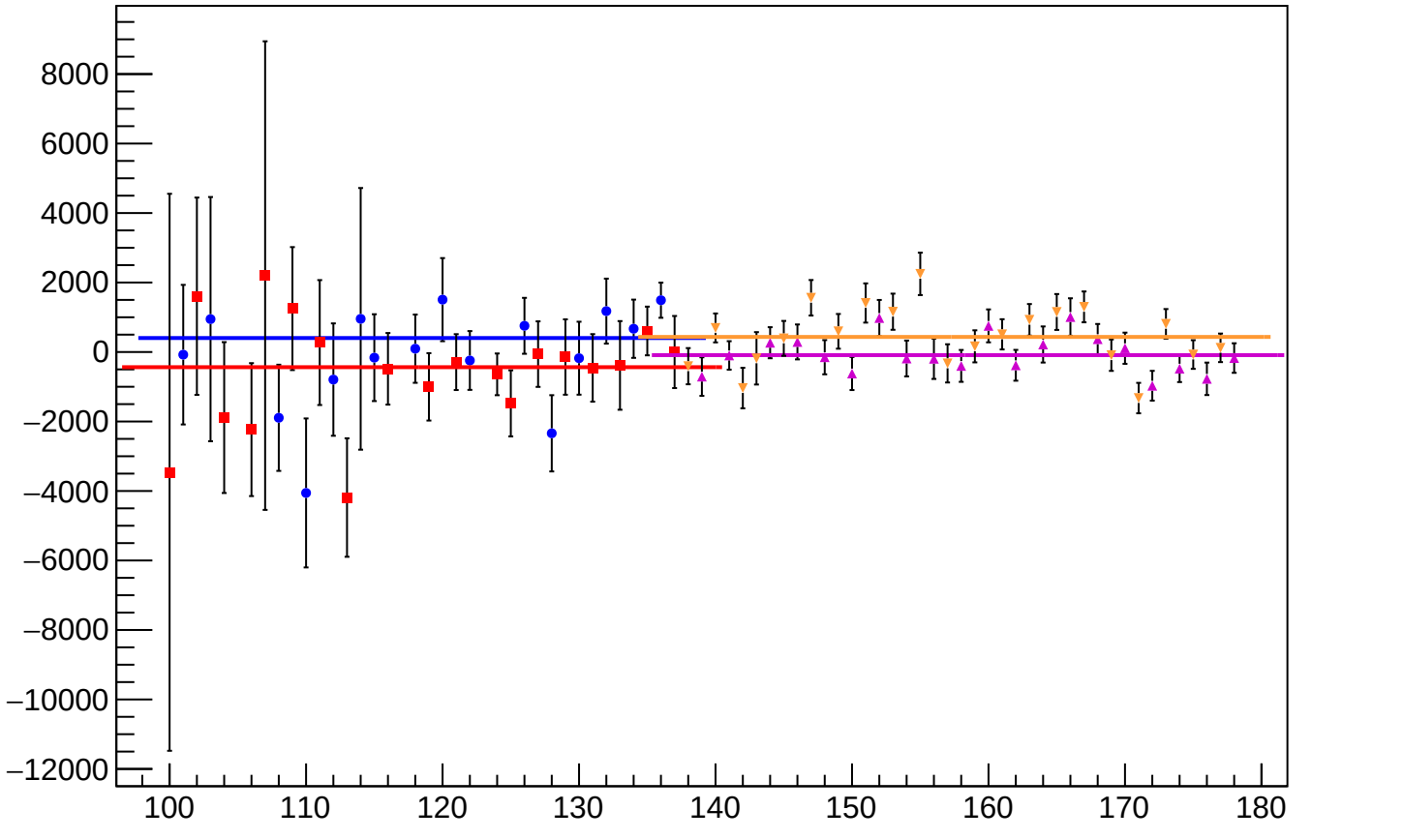
Left: 1813.700+/-0.223 χ^2/NDF: 14842.5/40

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1844.653+/-0.271 χ^2/NDF:682518.9/35

Out: 1857.489+/-0.269 χ^2/NDF:461255.2/39

All: 1851.102+/-0.191 χ^2/NDF: 1144905.4/75



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: -89.165+/-104.771 χ^2/NDF:25.3/19

Left: 170.608+/-74.339 χ^2/NDF: 96.0/40

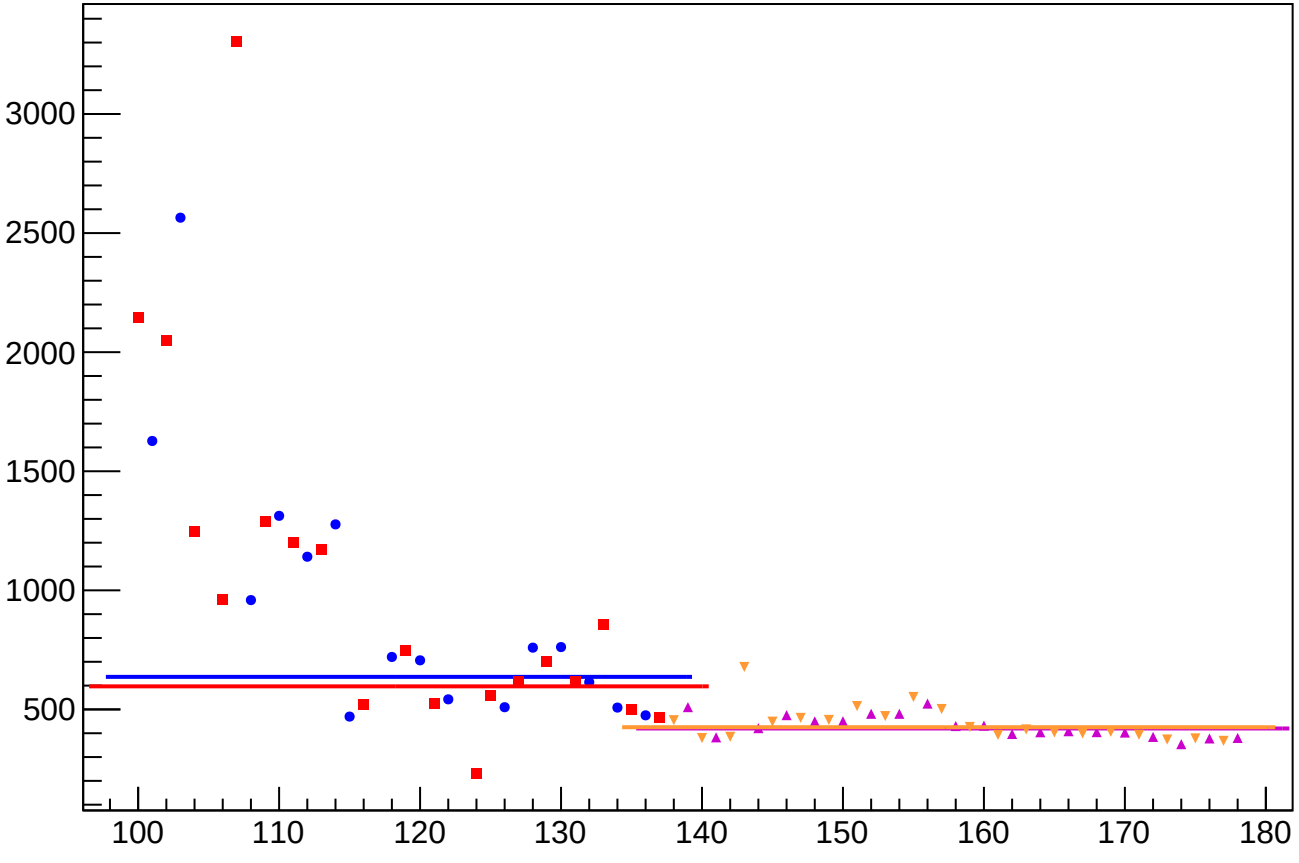
Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: -19.795+/-97.103 χ^2/NDF:49.5/35

Out: 304.737+/-97.351 χ^2/NDF:80.8/39

All: 142.057+/-68.750 χ^2/NDF: 135.9/75

asym_at1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 425.249+/-0.075 χ^2/NDF:610124.8/20

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 420.011+/-0.074 χ^2/NDF:352061.4/19

Left: 422.612+/-0.053 χ^2/NDF: 964668.5/40

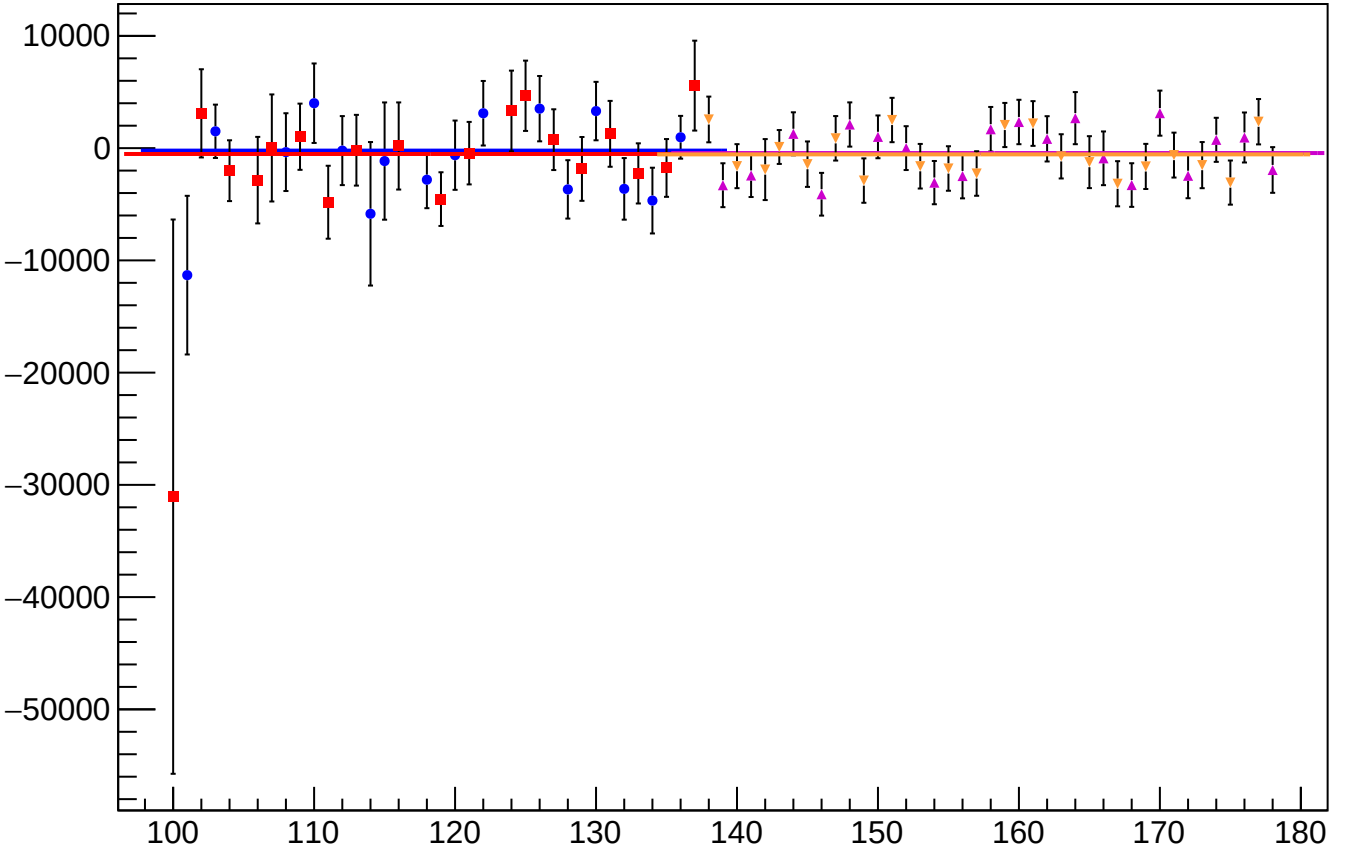
Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 450.571+/-0.069 χ^2/NDF:3624613.5/35

Out: 450.724+/-0.069 χ^2/NDF:4326215.7/39

All: 450.647+/-0.049 χ^2/NDF: 7950831.7/75

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: -437.629+/-448.187 χ^2/NDF:25.9/19

Left: -497.877+/-312.120 χ^2/NDF: 44.6/40

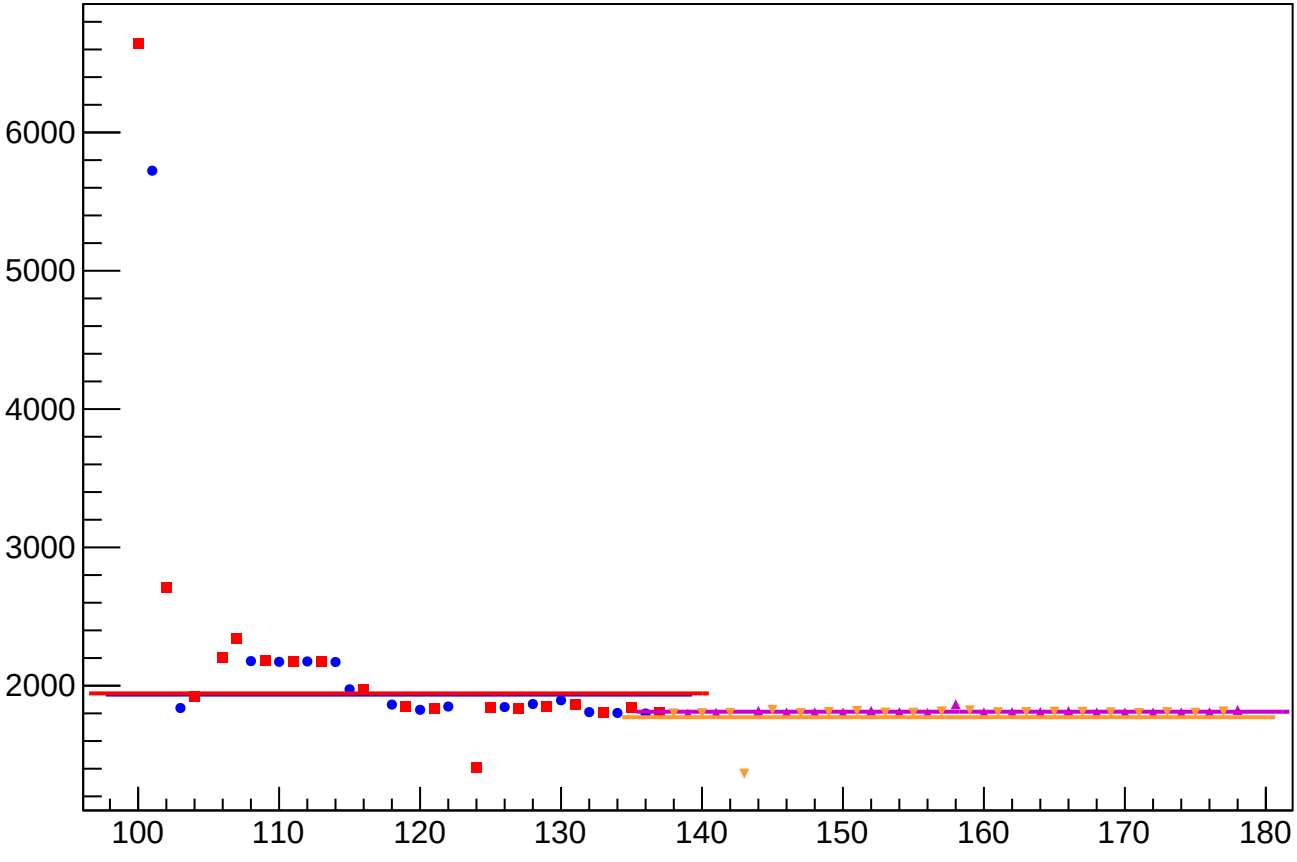
Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -378.851+/-382.782 χ^2/NDF:43.1/35

Out: -545.522+/-372.957 χ^2/NDF:34.3/39

All: -464.353+/-267.126 χ^2/NDF: 77.4/75

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: 1812.005+/-0.317 χ^2/NDF:1879.8/19

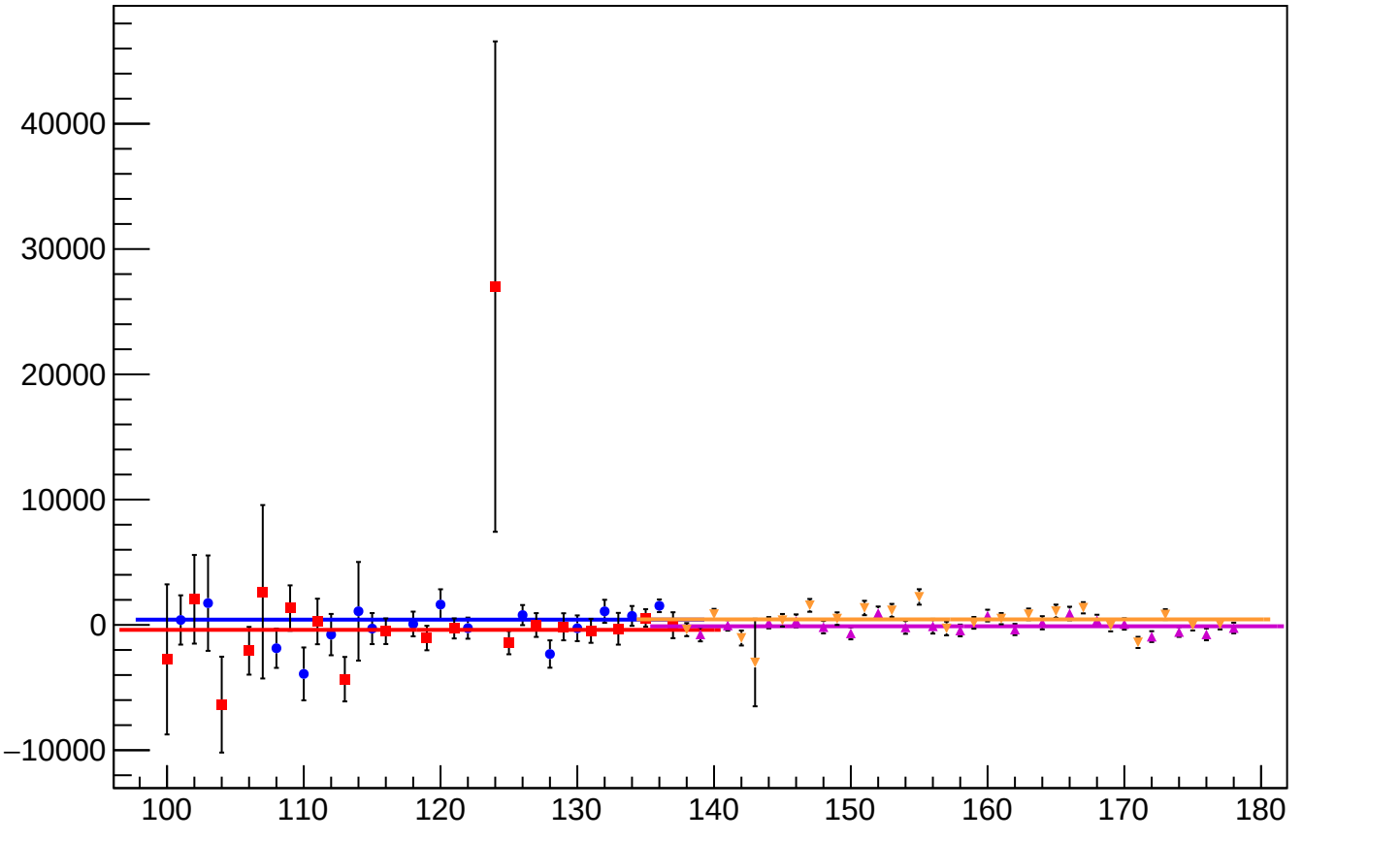
Left: 1791.485+/-0.221 χ^2/NDF: 169614.1/40

Right: 1940.298+/-0.365 χ^2/NDF: 916167.7/34

In: 1845.547+/-0.271 χ^2/NDF:683089.6/35

Out: 1817.770+/-0.264 χ^2/NDF:518919.5/39

All: 1831.297+/-0.189 χ^2/NDF: 1207412.1/75



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: -107.943+/-106.191 χ^2/NDF:24.0/19

Left: 162.541+/-75.698 χ^2/NDF: 95.0/40

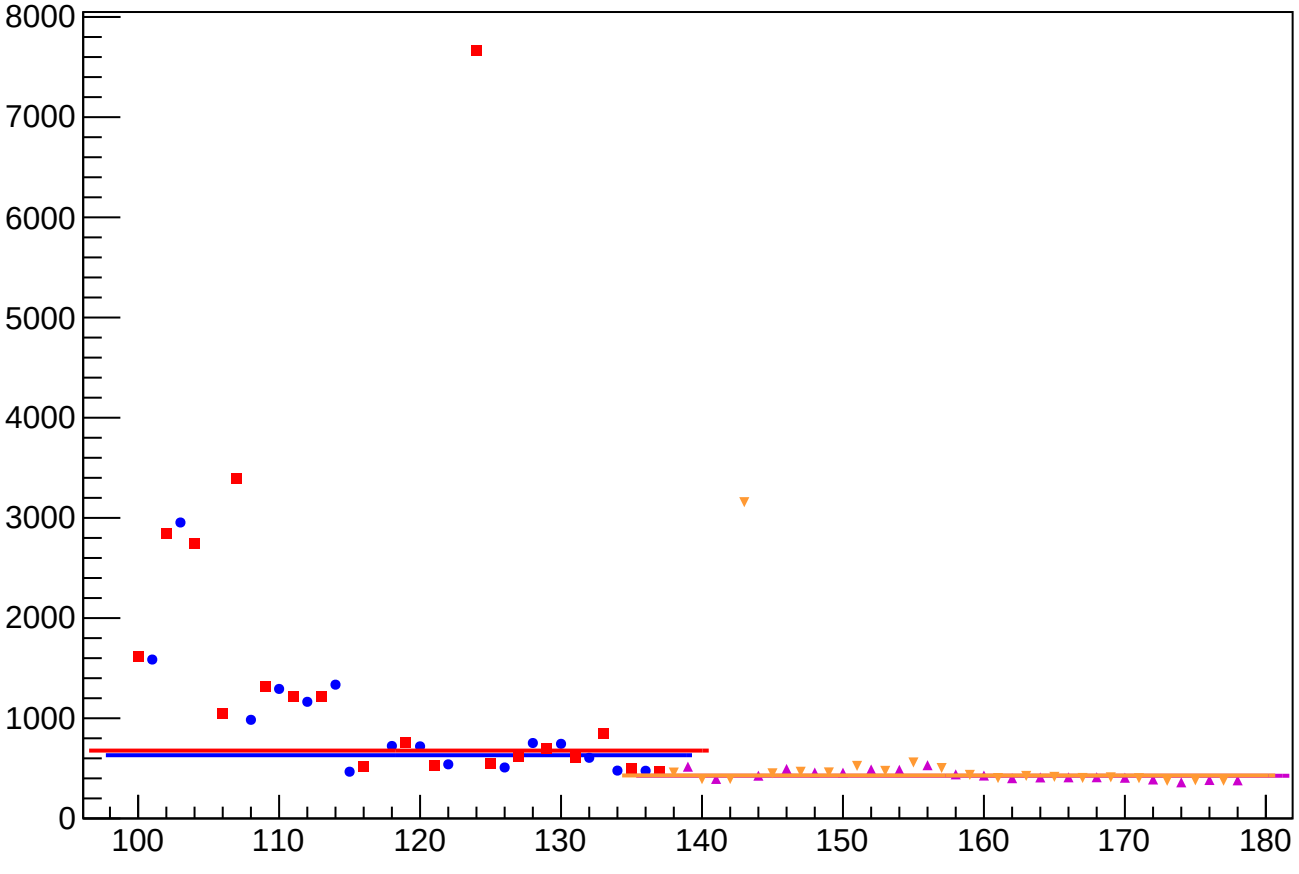
Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: -30.656+/-98.129 χ^2/NDF:49.1/35

Out: 333.594+/-100.693 χ^2/NDF:81.5/39

All: 146.773+/-70.277 χ^2/NDF: 137.3/75

asym_at1_dd_dit_correction_rms vs Slug, Sign Corrected



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: 426.117+/-0.075 χ^2/NDF:358498.2/19

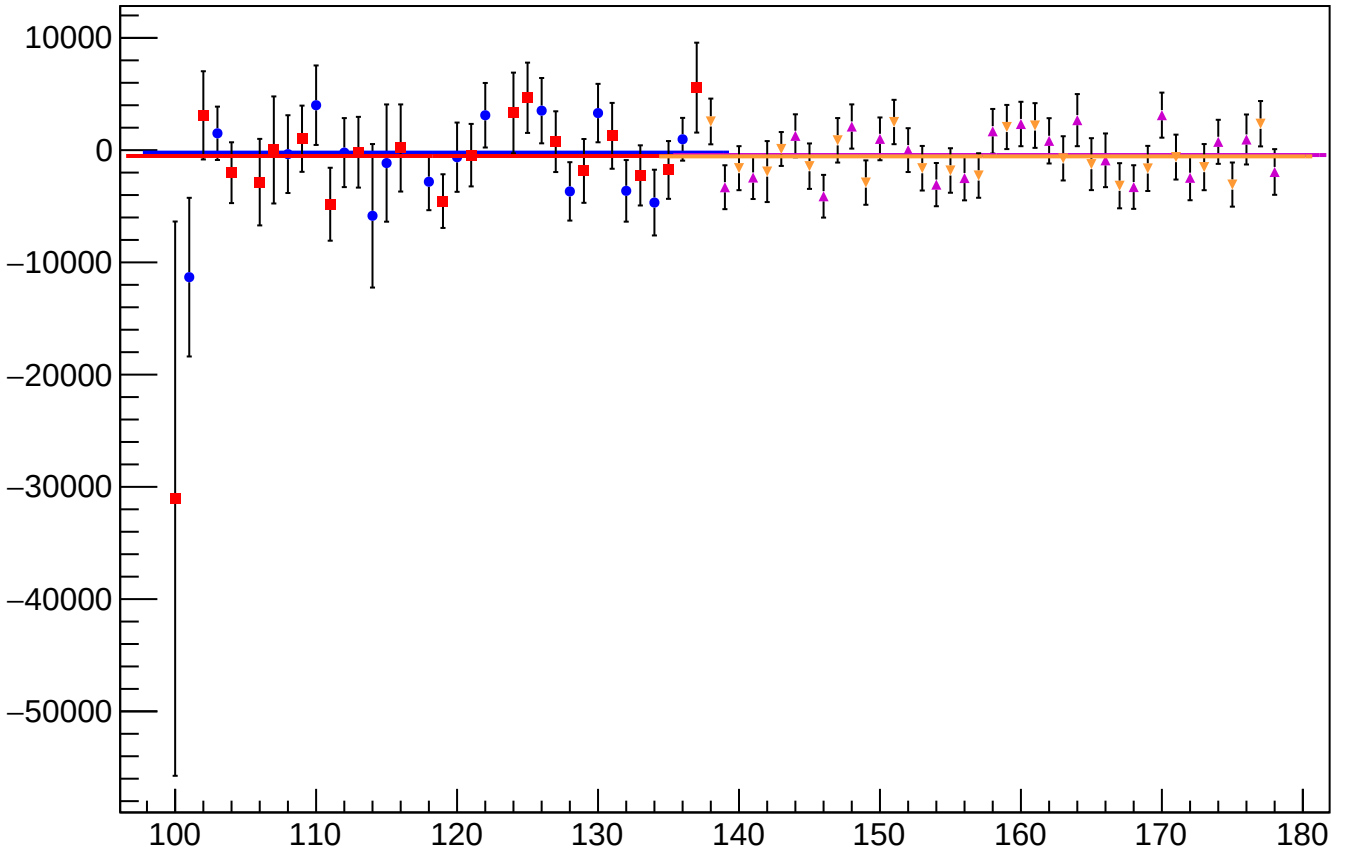
Left: 427.584+/-0.054 χ^2/NDF: 1938665.7/40

Right: 652.323+/-0.134 χ^2/NDF: 5345805.1/34

In: 456.066+/-0.069 χ^2/NDF:3681994.4/35

Out: 461.316+/-0.071 χ^2/NDF:6034413.1/39

All: 458.623+/-0.050 χ^2/NDF: 9719196.7/75



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: -437.628+/-448.187 χ^2/NDF:25.9/19

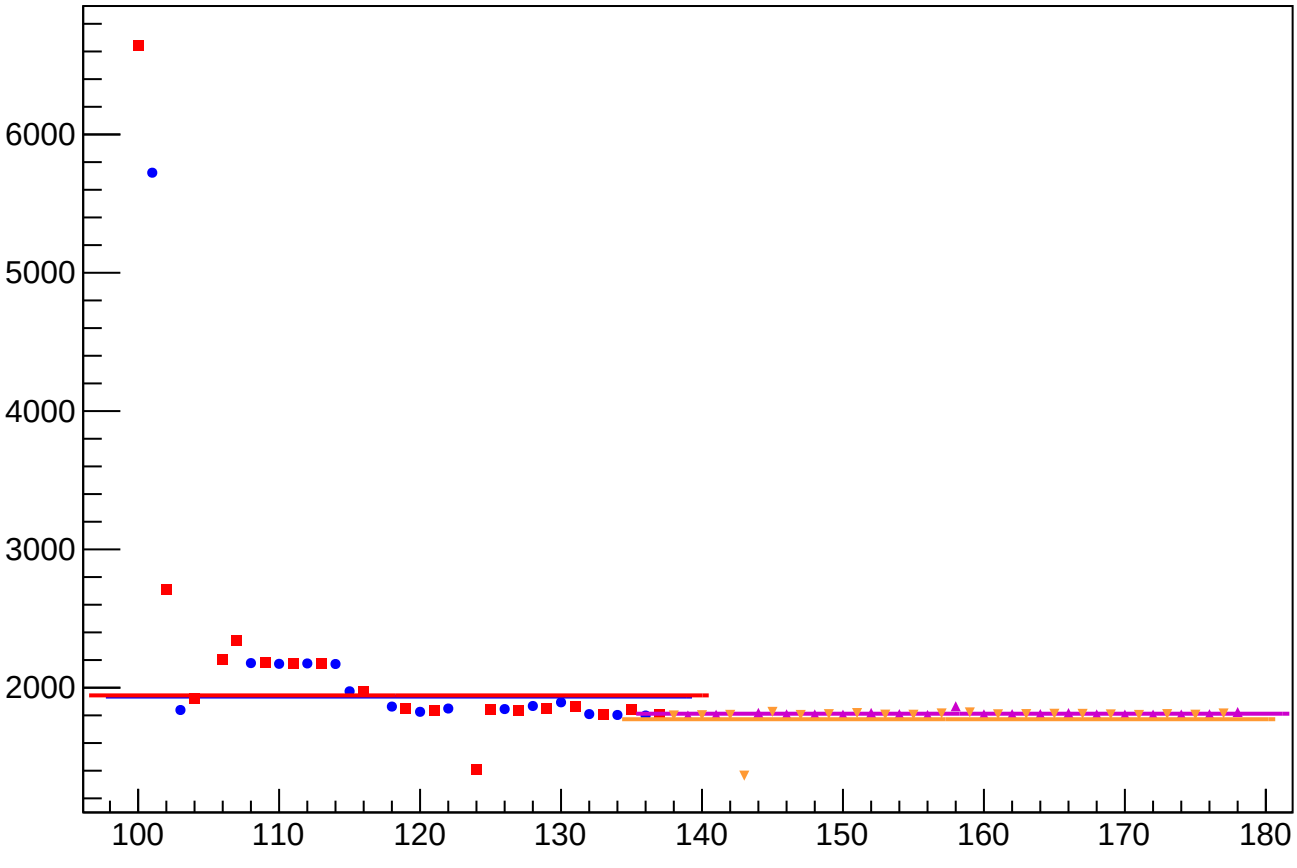
Left: -497.877+/-312.120 χ^2/NDF: 44.6/40

Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -378.851+/-382.782 χ^2/NDF:43.1/35

Out: -545.523+/-372.957 χ^2/NDF:34.3/39

All: -464.353+/-267.126 χ^2/NDF: 77.4/75



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: 1812.005+/-0.317 χ^2/NDF:1879.8/19

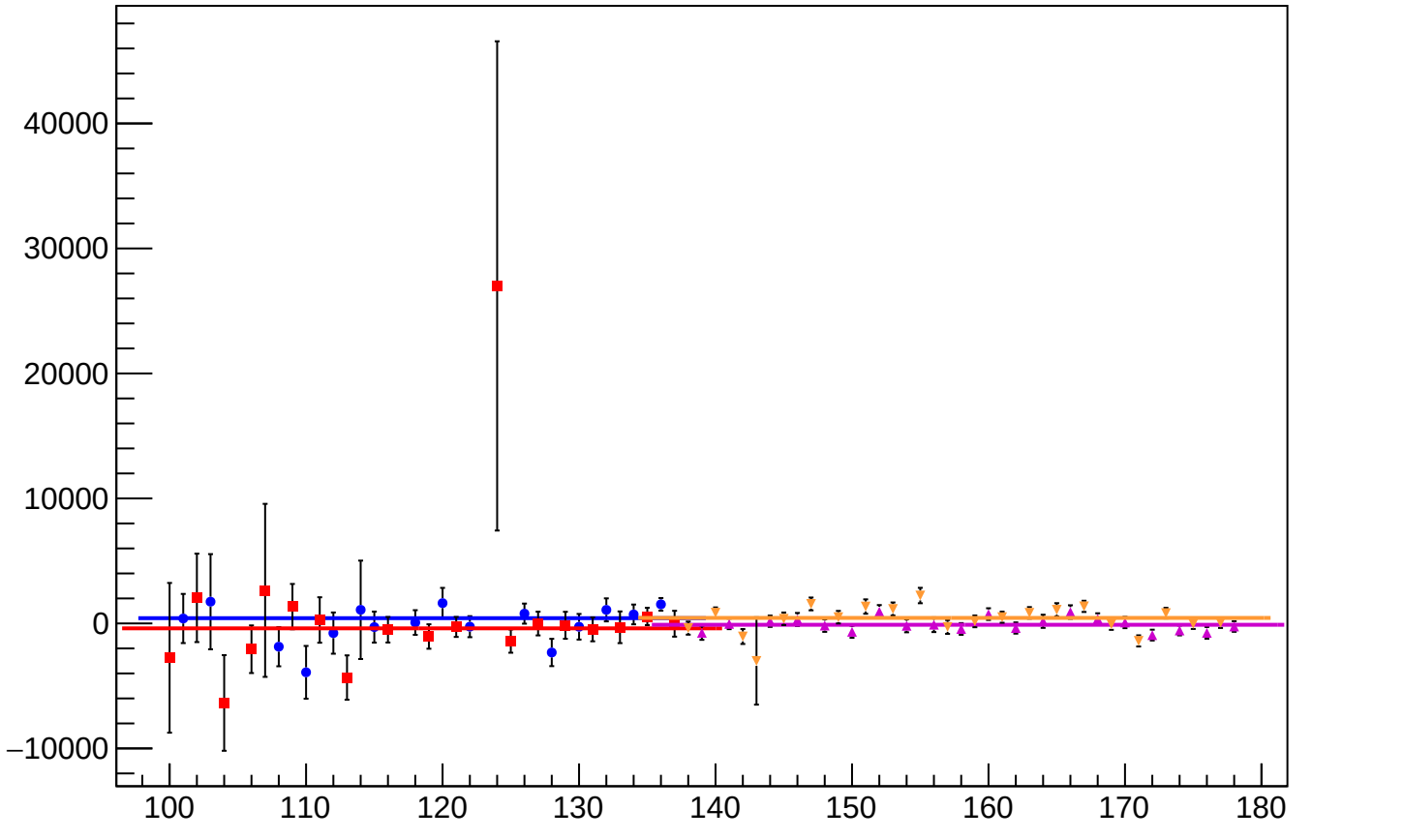
Left: 1791.485+/-0.221 χ^2/NDF: 169614.0/40

Right: 1940.298+/-0.365 χ^2/NDF: 916167.5/34

In: 1845.547+/-0.271 χ^2/NDF:683089.6/35

Out: 1817.770+/-0.264 χ^2/NDF:518919.3/39

All: 1831.297+/-0.189 χ^2/NDF: 1207411.9/75



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: -107.942+/-106.191 χ^2/NDF:24.0/19

Left: 162.541+/-75.698 χ^2/NDF: 95.0/40

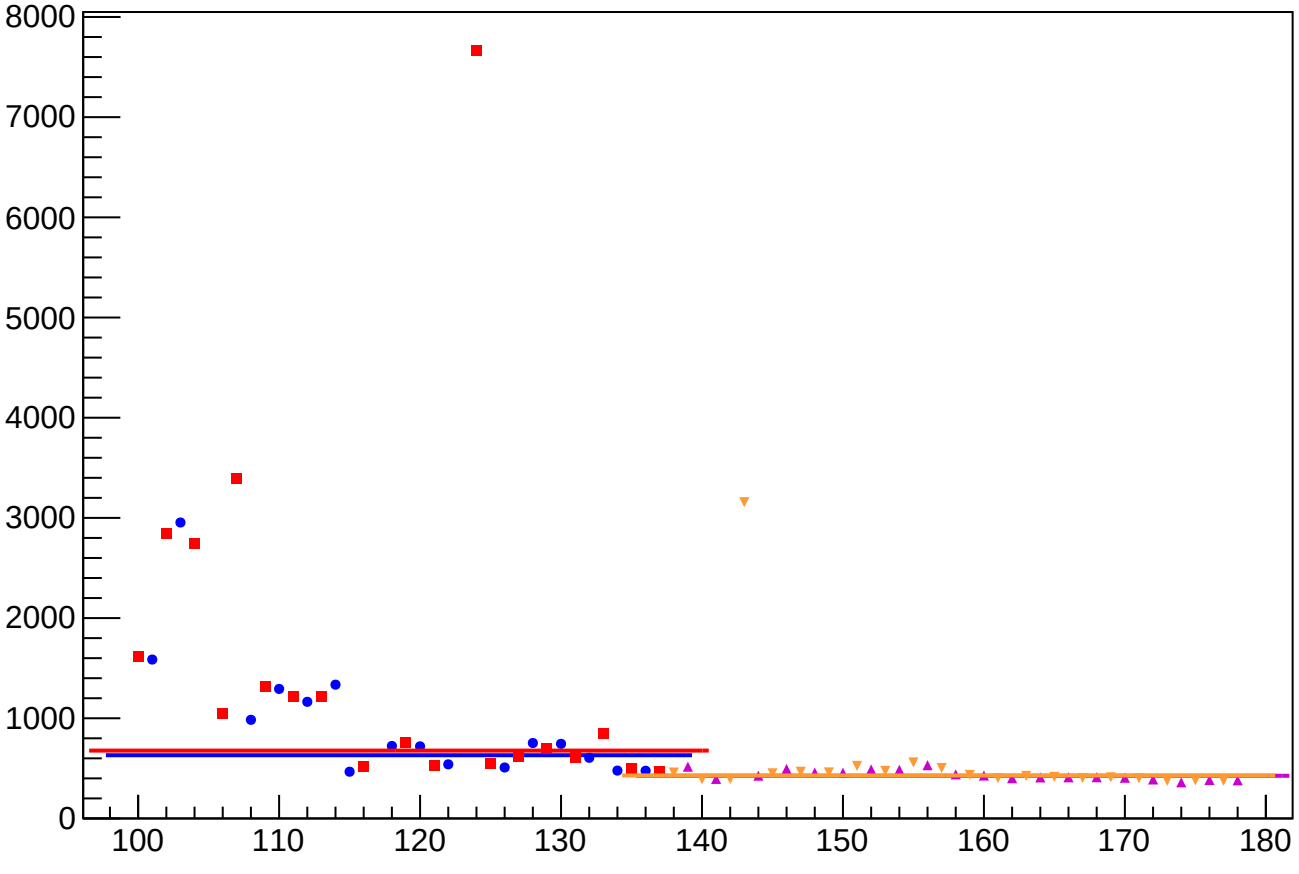
Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: -30.655+/-98.129 χ^2/NDF:49.1/35

Out: 333.594+/-100.693 χ^2/NDF:81.5/39

All: 146.773+/-70.277 χ^2/NDF: 137.3/75

asym_at1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 429.099+/-0.076 χ^2/NDF:1579393.1/20

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

Left In: 426.117+/-0.075 χ^2/NDF:358501.3/19

Left: 427.584+/-0.054 χ^2/NDF: 1938670.2/40

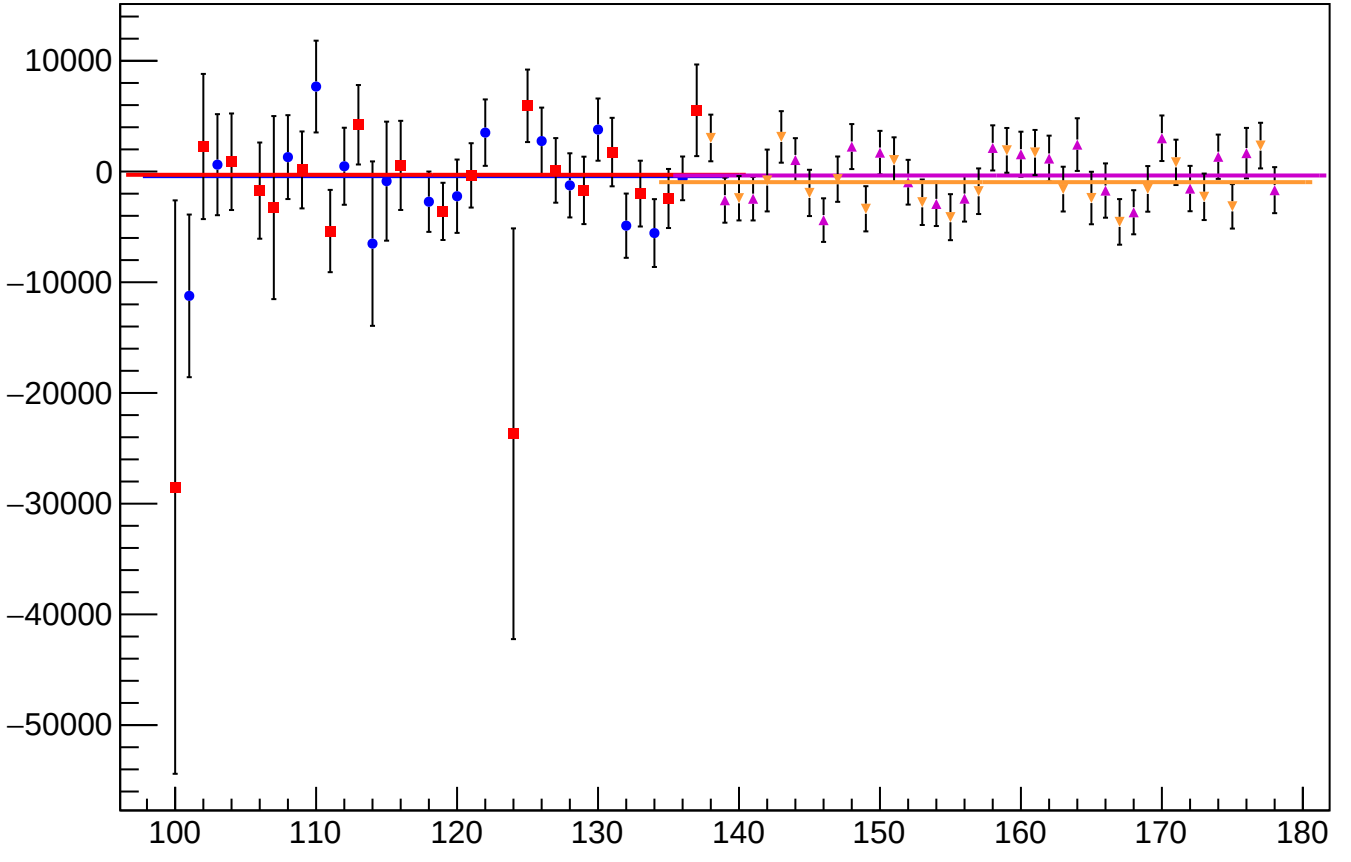
Right: 652.323+/-0.134 χ^2/NDF: 5345804.8/34

In: 456.066+/-0.069 χ^2/NDF:3681997.0/35

Out: 461.316+/-0.071 χ^2/NDF:6034416.6/39

All: 458.623+/-0.050 χ^2/NDF: 9719202.7/75

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: -356.975+/-460.946 χ^2/NDF:24.9/19

Left: -659.863+/-324.995 χ^2/NDF: 51.0/40

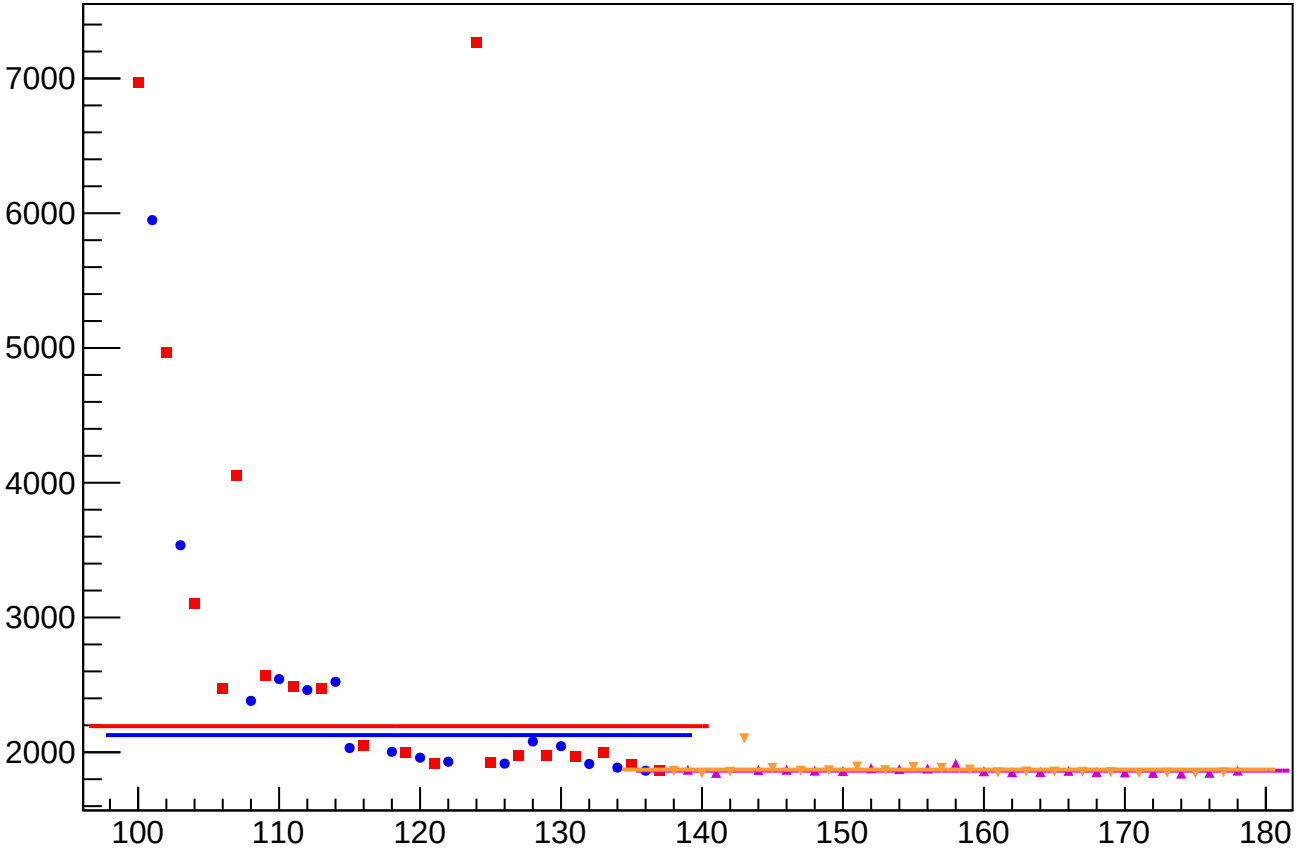
Right: -357.308+/-582.210 χ^2/NDF: 34.0/34

In: -371.673+/-401.264 χ^2/NDF:43.2/35

Out: -804.418+/-401.377 χ^2/NDF:41.4/39

All: -587.985+/-283.777 χ^2/NDF: 85.2/75

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: 1863.556+/-0.326 χ^2/NDF:2539.6/19

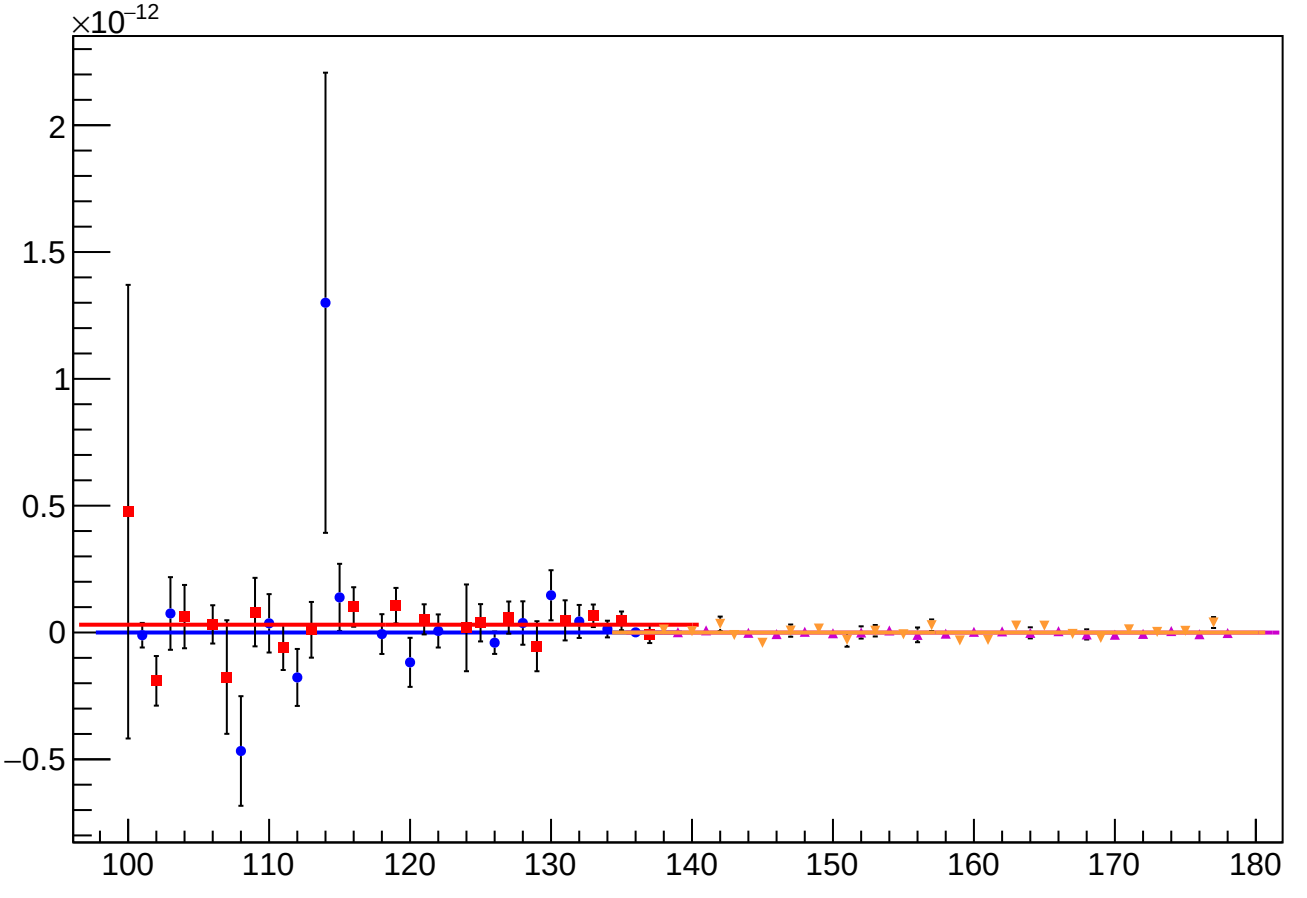
Left: 1867.420+/-0.230 χ^2/NDF: 25562.0/40

Right: 2159.645+/-0.412 χ^2/NDF: 1824183.5/34

In: 1927.369+/-0.284 χ^2/NDF:1035887.1/35

Out: 1946.326+/-0.284 χ^2/NDF:1195780.2/39

All: 1936.844+/-0.201 χ^2/NDF: 2233898.6/75



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:2.6/19

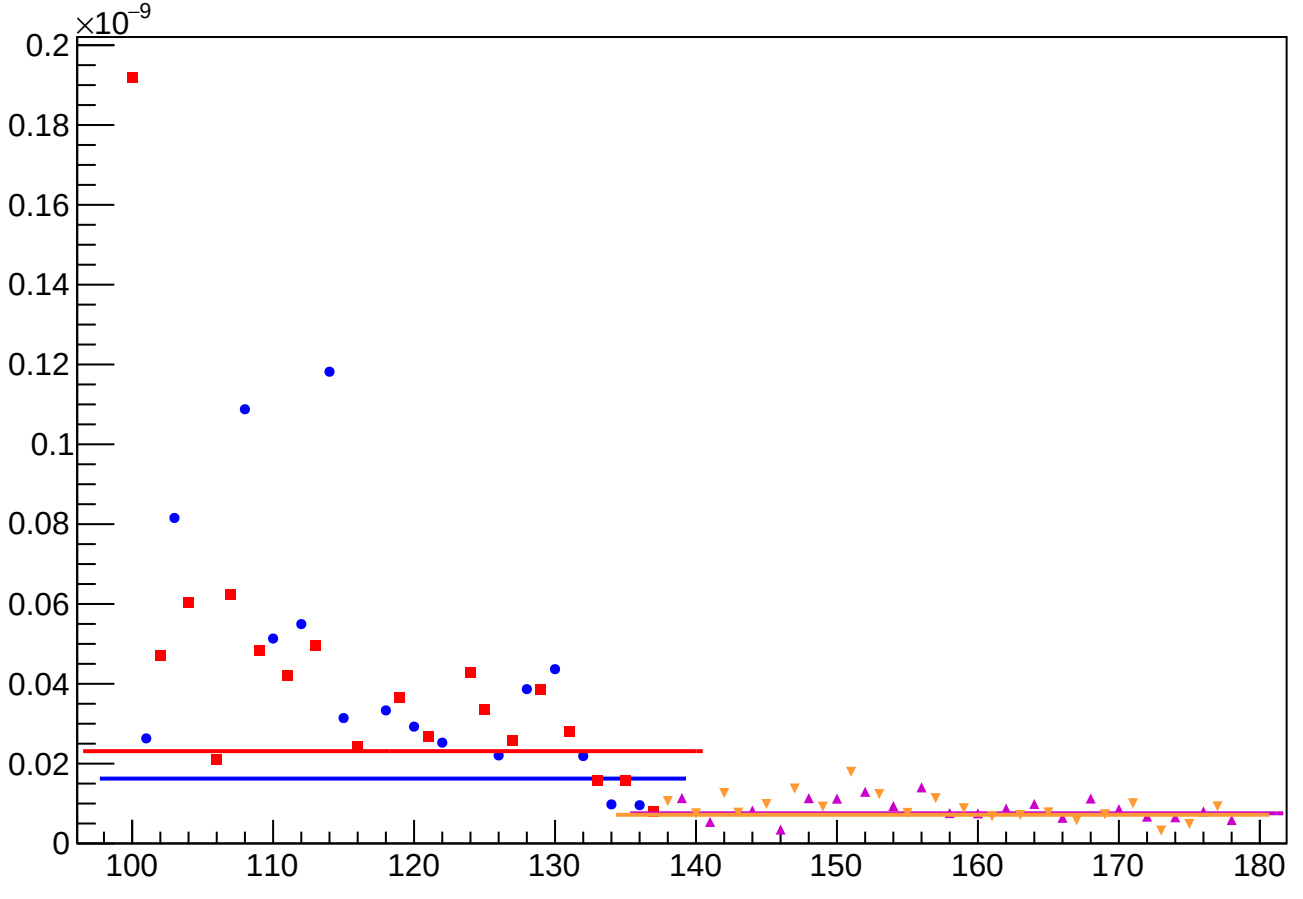
Left: -0.000+/-0.000 χ^2/NDF: 37.3/40

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:18.7/35

Out: 0.000+/-0.000 χ^2/NDF:50.8/39

All: 0.000+/-0.000 χ^2/NDF: 69.6/75



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:1046643.9/19

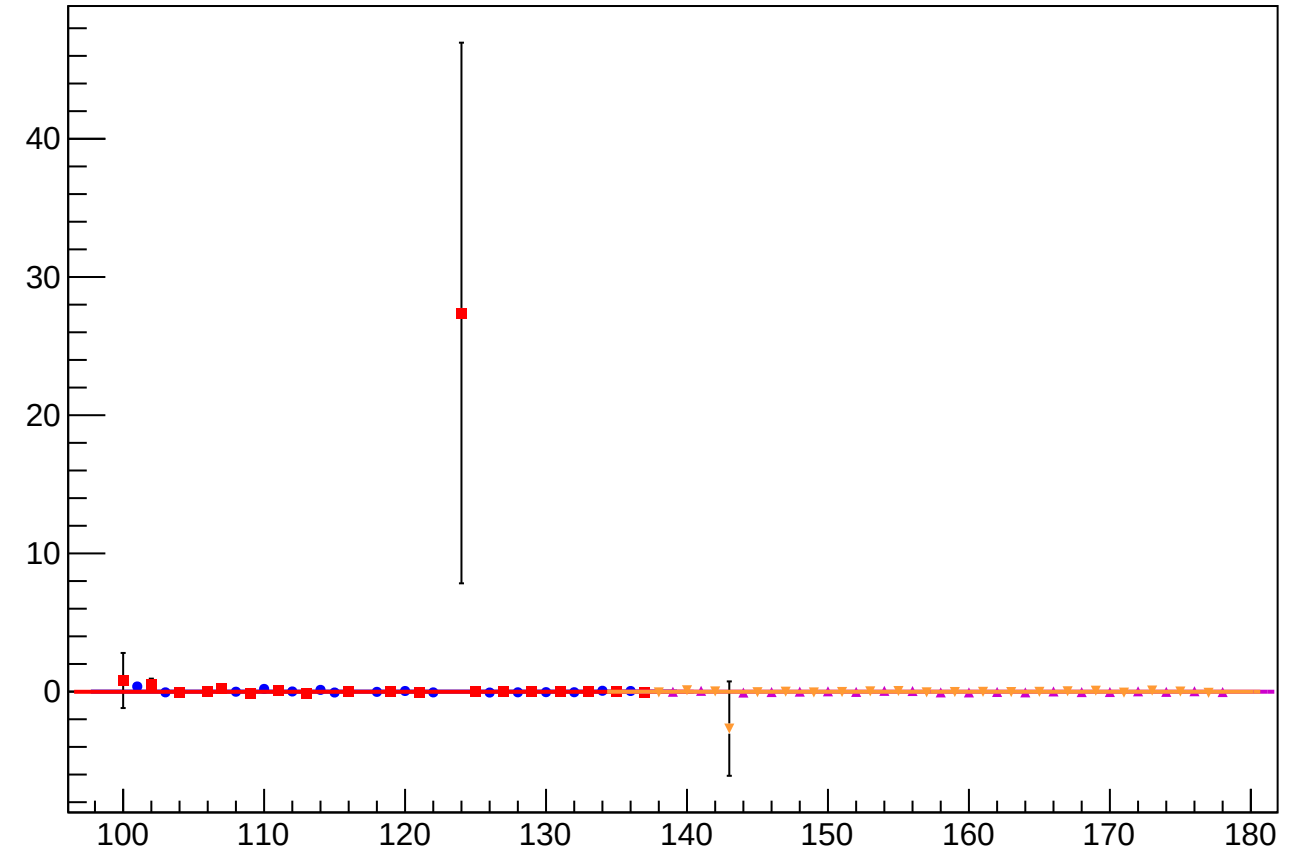
Left: 0.000+/-0.000 χ^2/NDF: 2648949.3/40

Right: 0.000+/-0.000 χ^2/NDF: 3942397.7/34

In: 0.000+/-0.000 χ^2/NDF:4327308.9/35

Out: 0.000+/-0.000 χ^2/NDF:4976229.2/39

All: 0.000+/-0.000 χ^2/NDF: 9319006.5/75



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: -0.007+/-0.009 χ^2/NDF:18.8/19

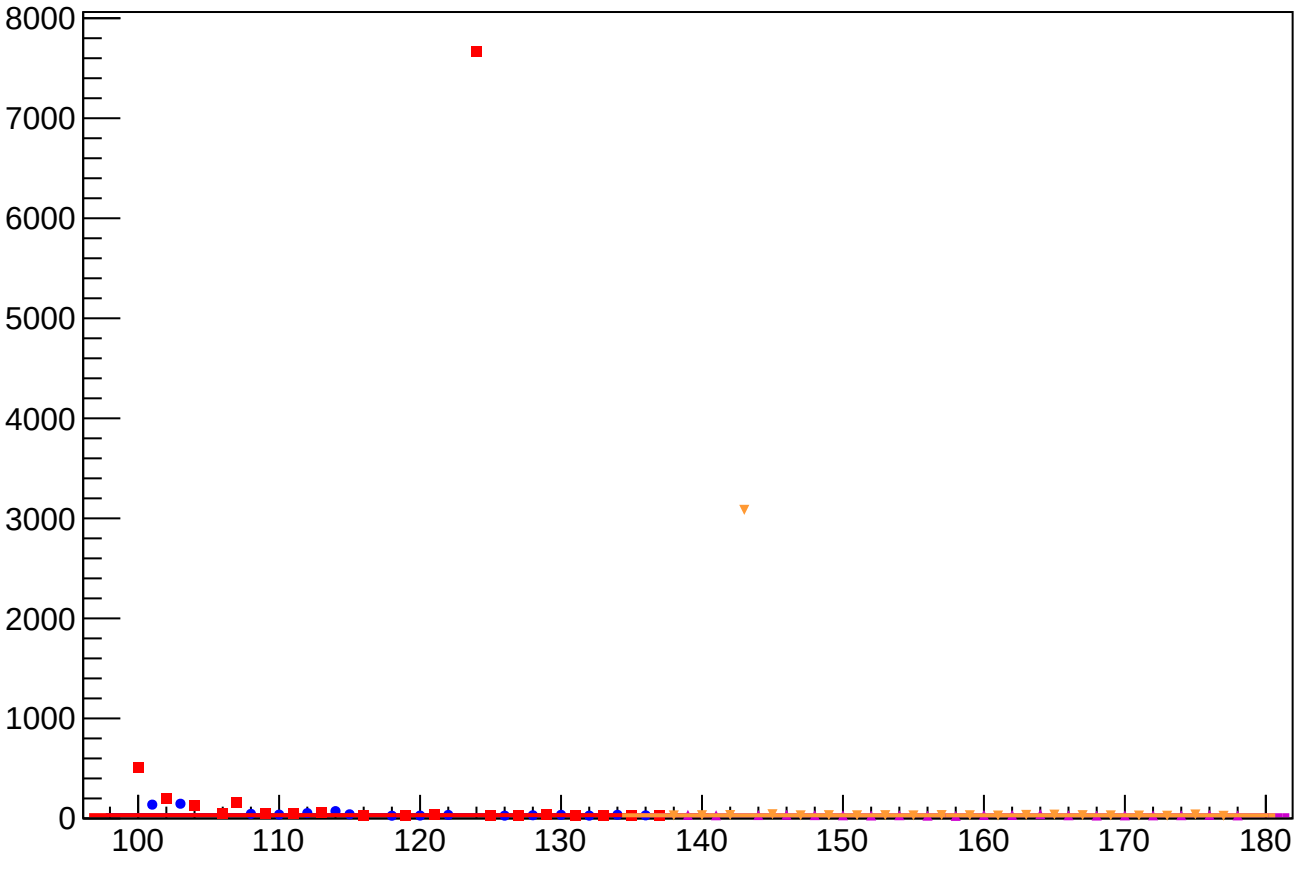
Left: -0.007+/-0.006 χ^2/NDF: 54.0/40

Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.005+/-0.008 χ^2/NDF:40.1/35

Out: -0.008+/-0.008 χ^2/NDF:49.5/39

All: -0.007+/-0.005 χ^2/NDF: 89.7/75



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: 32.337+/-0.006 χ^2/NDF:285071.3/19

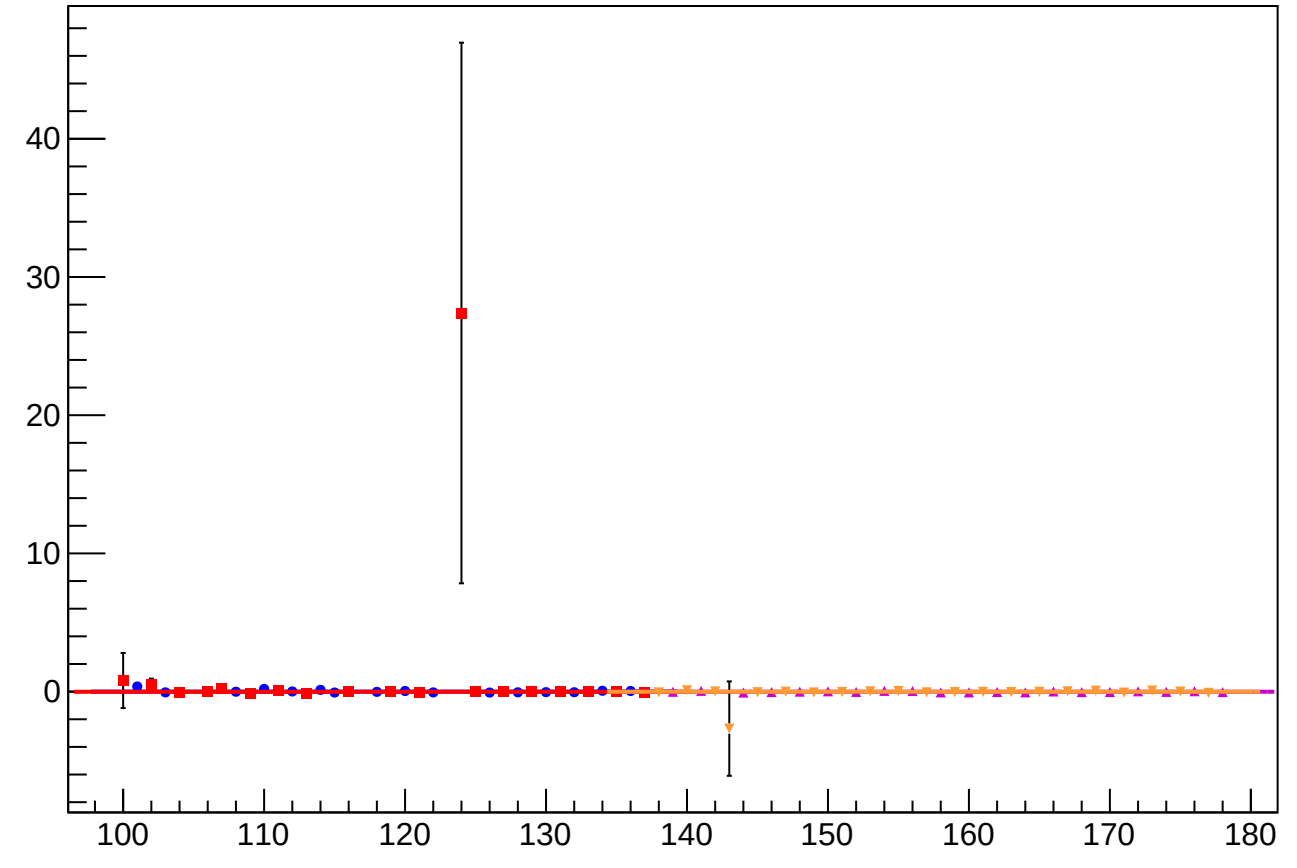
Left: 32.064+/-0.004 χ^2/NDF: 2204540.5/40

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 32.784+/-0.005 χ^2/NDF:2022407.1/35

Out: 32.125+/-0.005 χ^2/NDF:4001937.9/39

All: 32.455+/-0.004 χ^2/NDF: 6032009.9/75



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: -0.007+/-0.009 χ^2/NDF:18.8/19

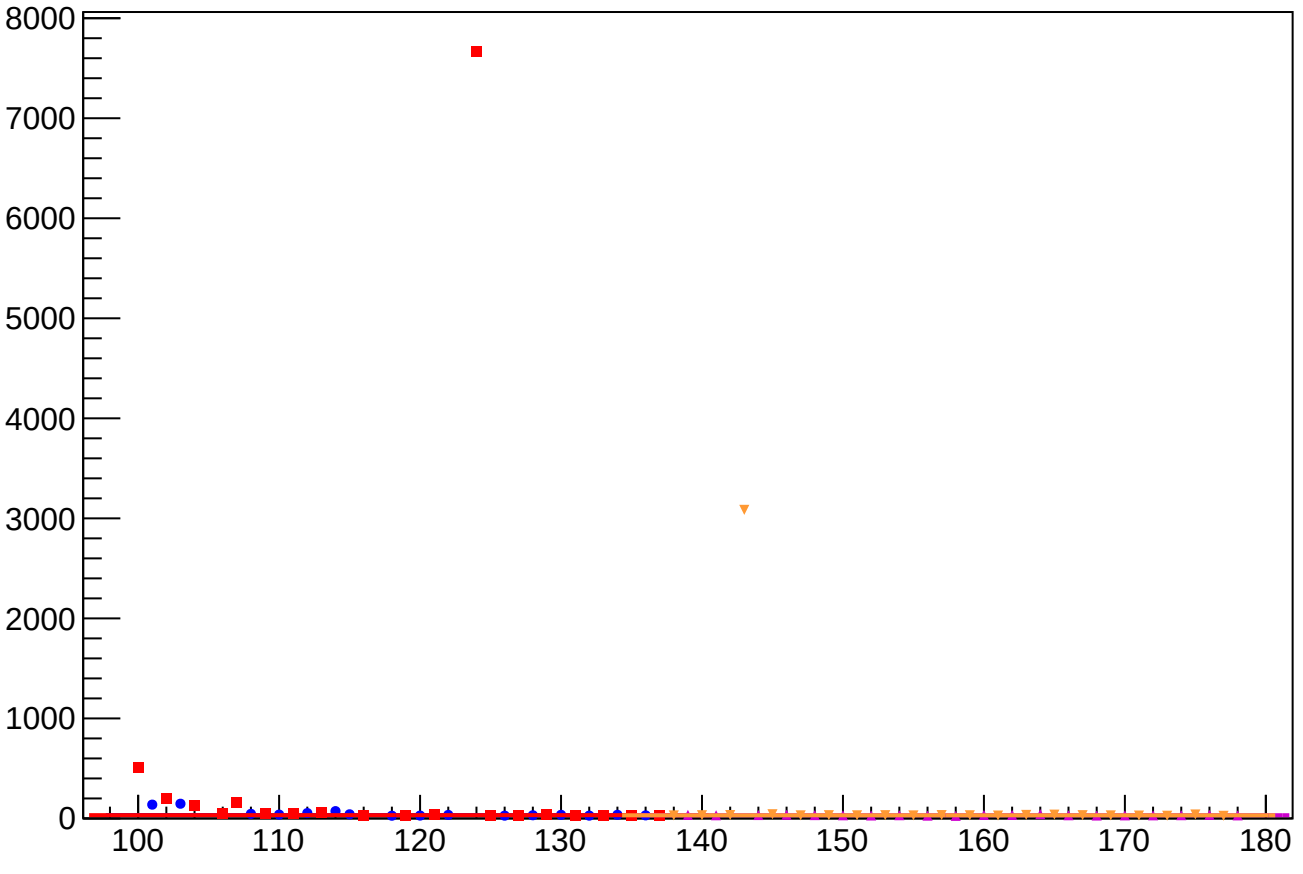
Left: -0.007+/-0.006 χ^2/NDF: 54.0/40

Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.005+/-0.008 χ^2/NDF:40.1/35

Out: -0.008+/-0.008 χ^2/NDF:49.5/39

All: -0.007+/-0.005 χ^2/NDF: 89.7/75



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: 32.337+/-0.006 χ^2/NDF:285071.3/19

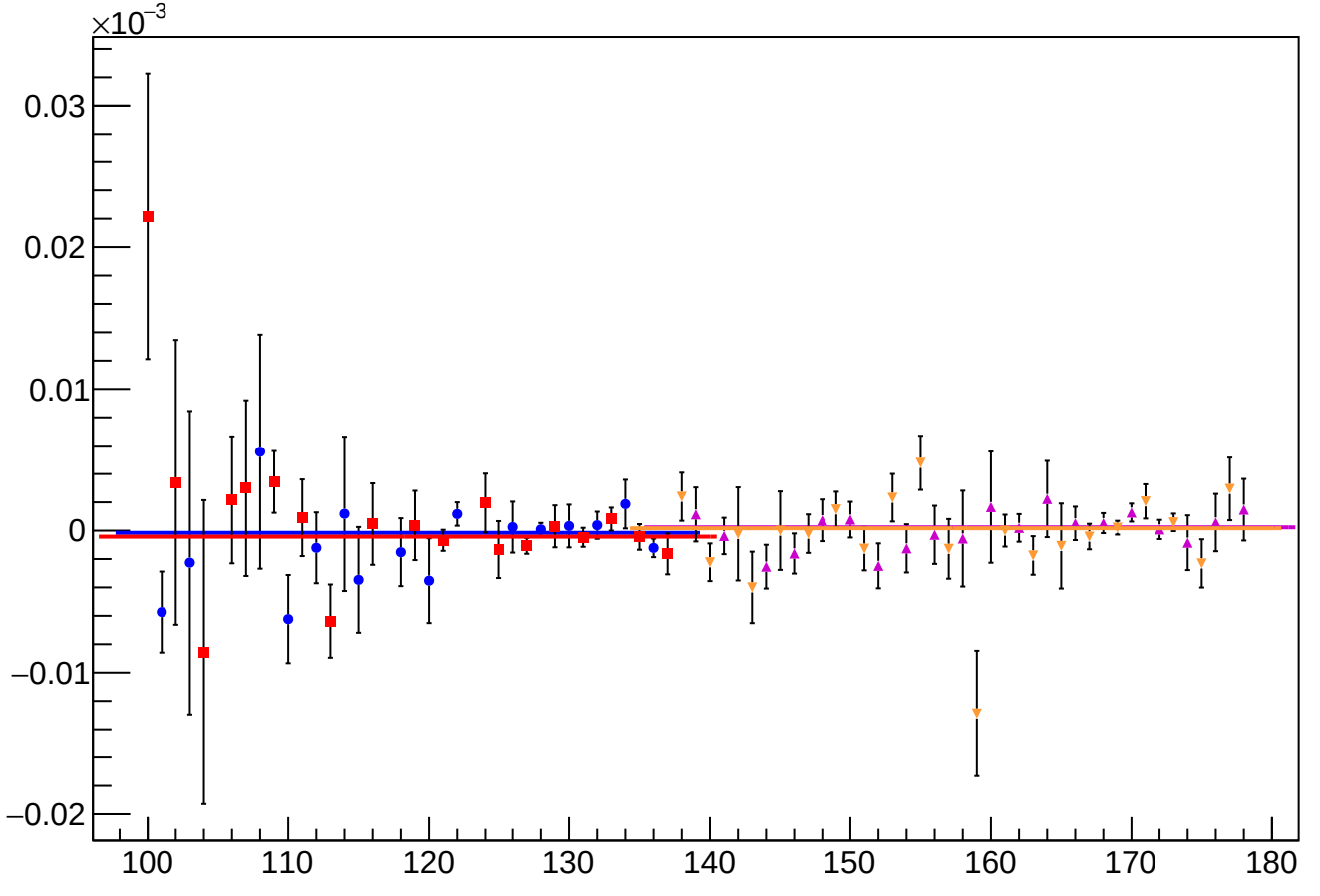
Left: 32.064+/-0.004 χ^2/NDF: 2204540.5/40

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 32.784+/-0.005 χ^2/NDF:2022407.1/35

Out: 32.125+/-0.005 χ^2/NDF:4001937.9/39

All: 32.455+/-0.004 χ^2/NDF: 6032009.9/75



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:13.8/19

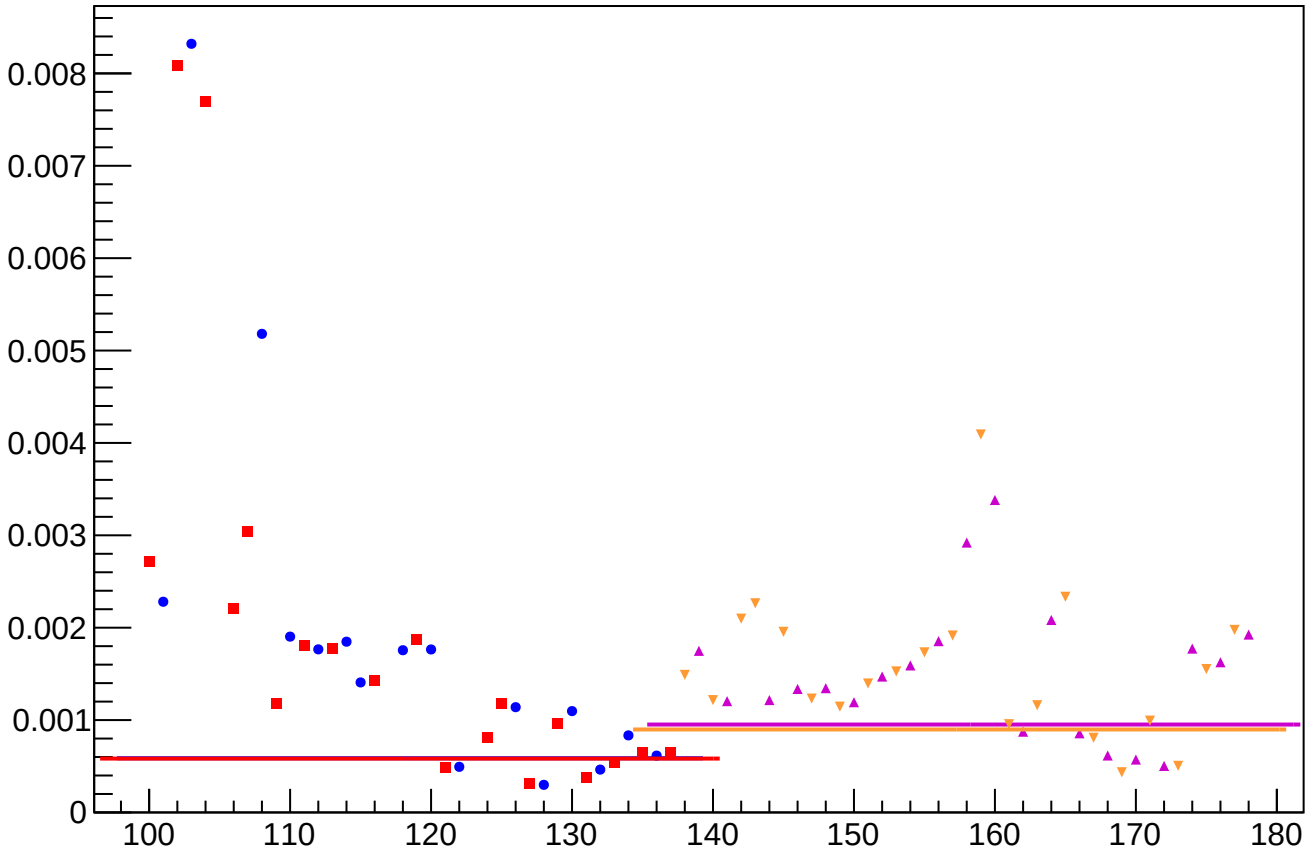
Left: 0.000+/-0.000 χ^2/NDF: 49.6/40

Right: -0.000+/-0.000 χ^2/NDF: 40.2/34

In: 0.000+/-0.000 χ^2/NDF:32.9/35

Out: -0.000+/-0.000 χ^2/NDF:59.7/39

All: -0.000+/-0.000 χ^2/NDF: 92.9/75



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:6583560.9/19

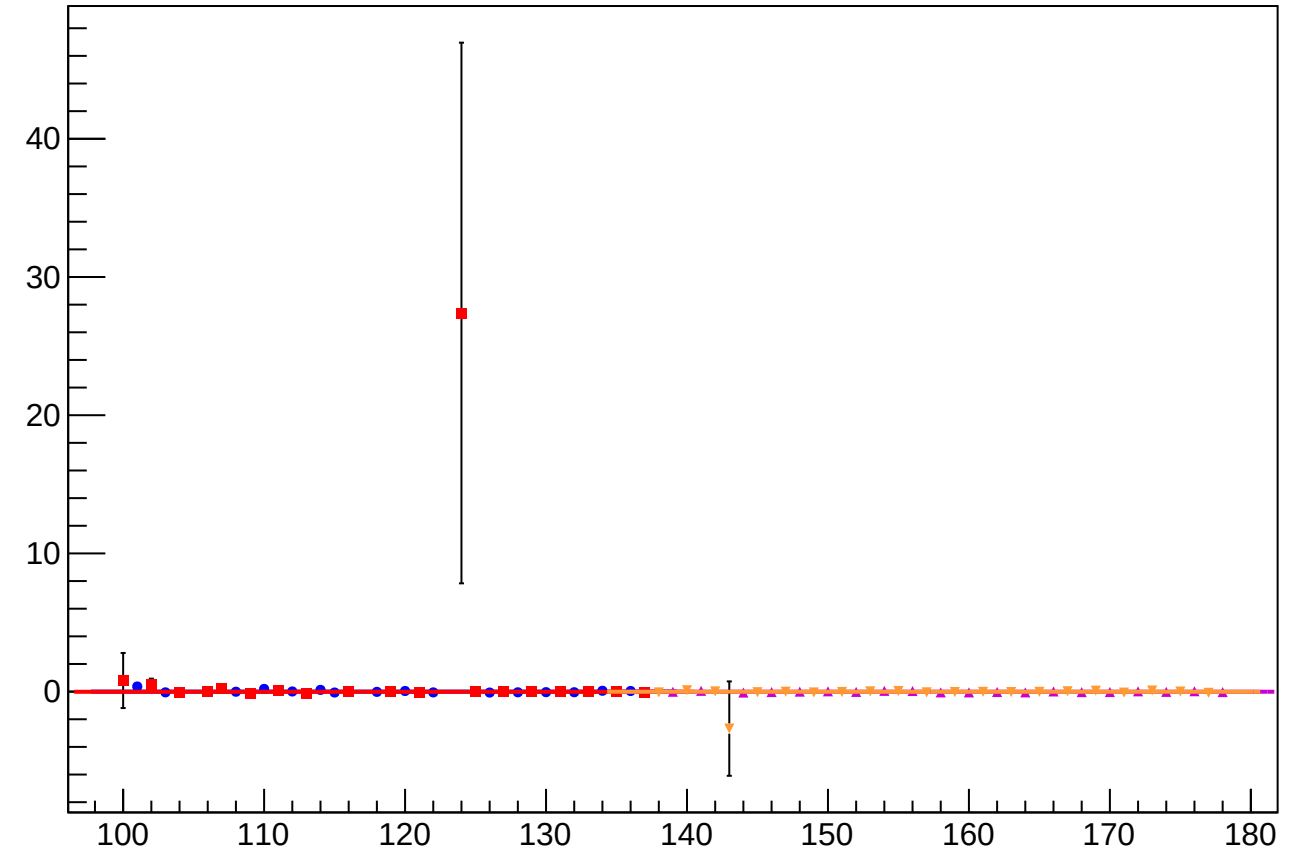
Left: 0.001+/-0.000 χ^2/NDF: 14685240.1/40

Right: 0.001+/-0.000 χ^2/NDF: 10917885.2/34

In: 0.001+/-0.000 χ^2/NDF:13720443.3/35

Out: 0.001+/-0.000 χ^2/NDF:14818635.3/39

All: 0.001+/-0.000 χ^2/NDF: 28559130.5/75



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: -0.007+/-0.009 χ^2/NDF:18.8/19

Left: -0.007+/-0.006 χ^2/NDF: 54.0/40

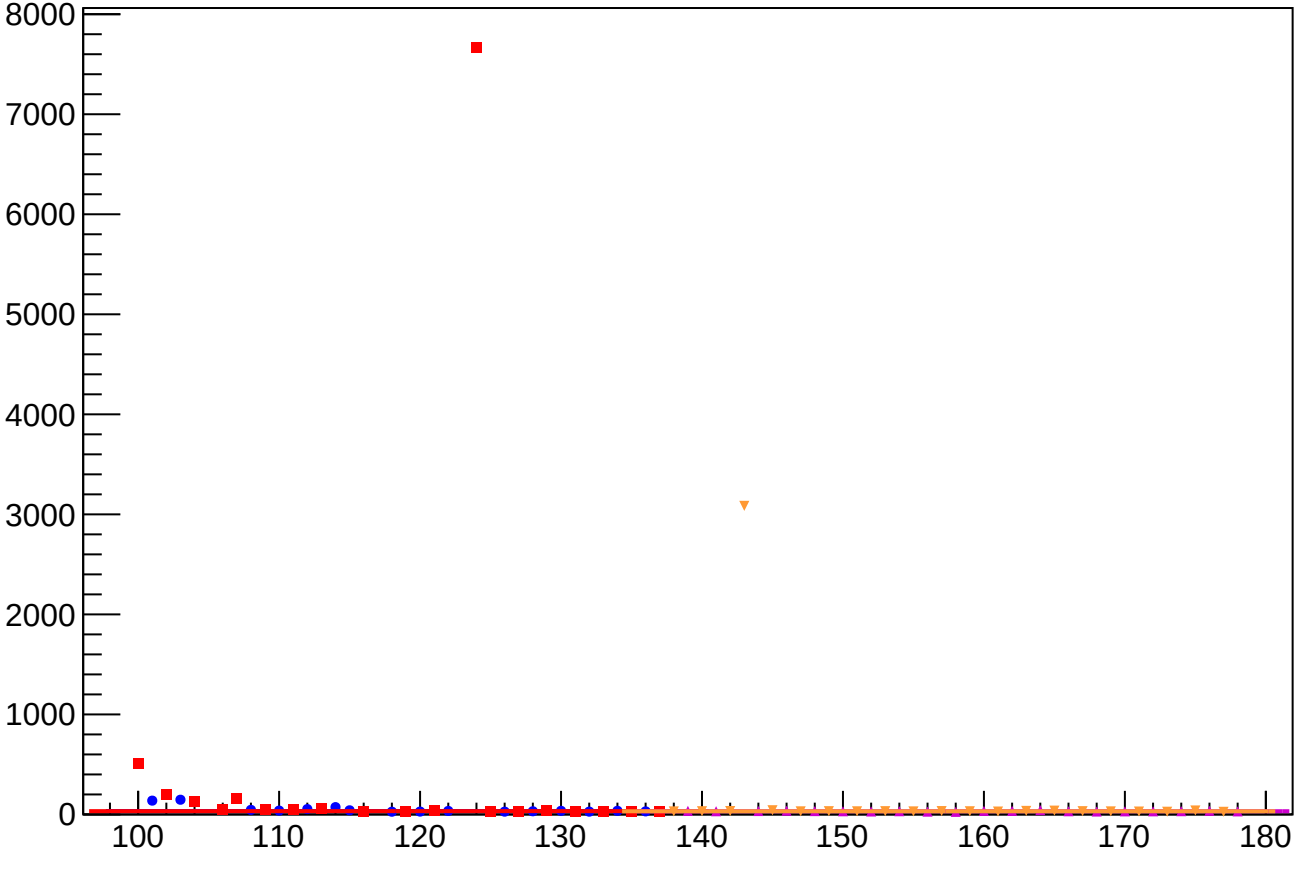
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.005+/-0.008 χ^2/NDF:40.1/35

Out: -0.008+/-0.008 χ^2/NDF:49.5/39

All: -0.007+/-0.005 χ^2/NDF: 89.7/75

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: 32.337+/-0.006 χ^2/NDF:284986.5/19

Left: 32.064+/-0.004 χ^2/NDF: 2204491.7/40

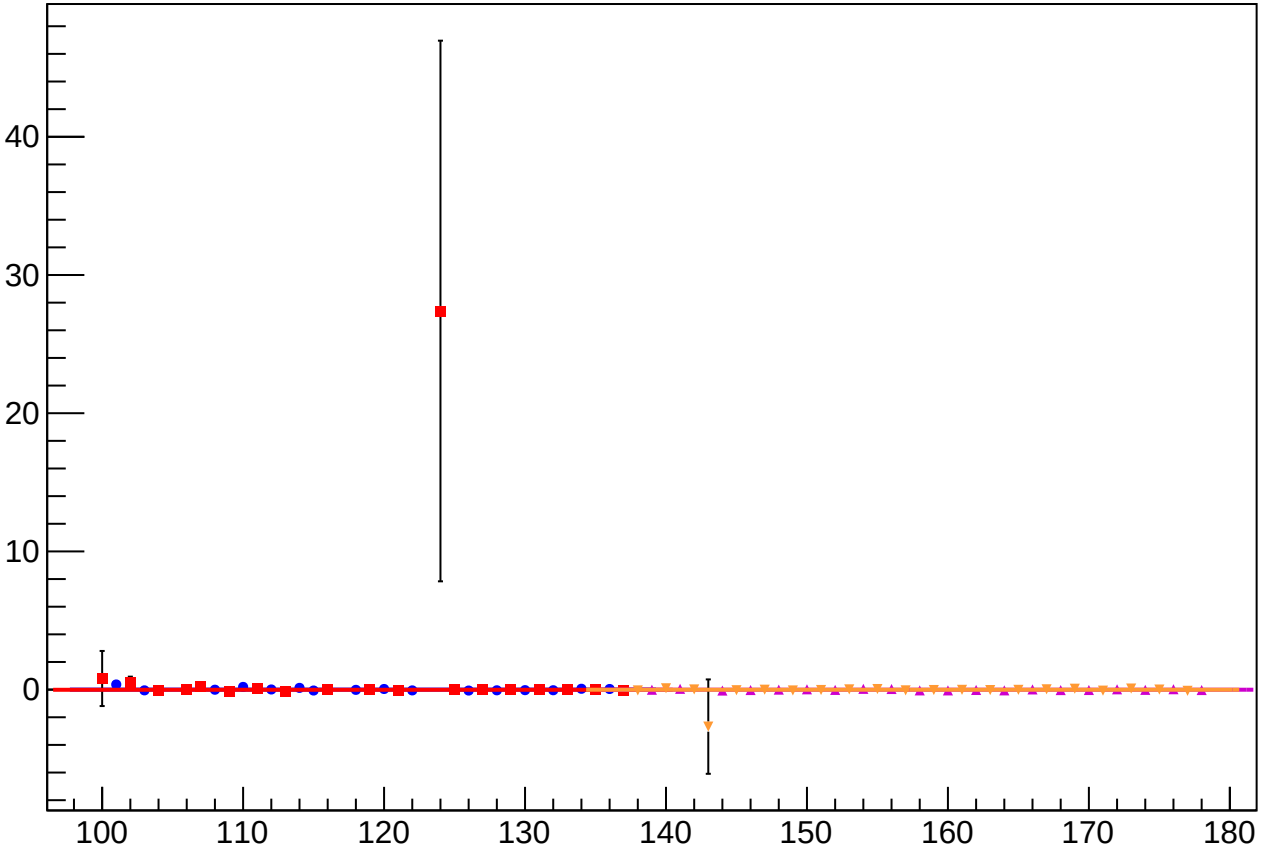
Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 32.785+/-0.005 χ^2/NDF:2022304.6/35

Out: 32.125+/-0.005 χ^2/NDF:4001949.9/39

All: 32.455+/-0.004 χ^2/NDF: 6031927.3/75

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: -0.007+/-0.009 χ^2/NDF:18.8/19

Left: -0.007+/-0.006 χ^2/NDF: 54.0/40

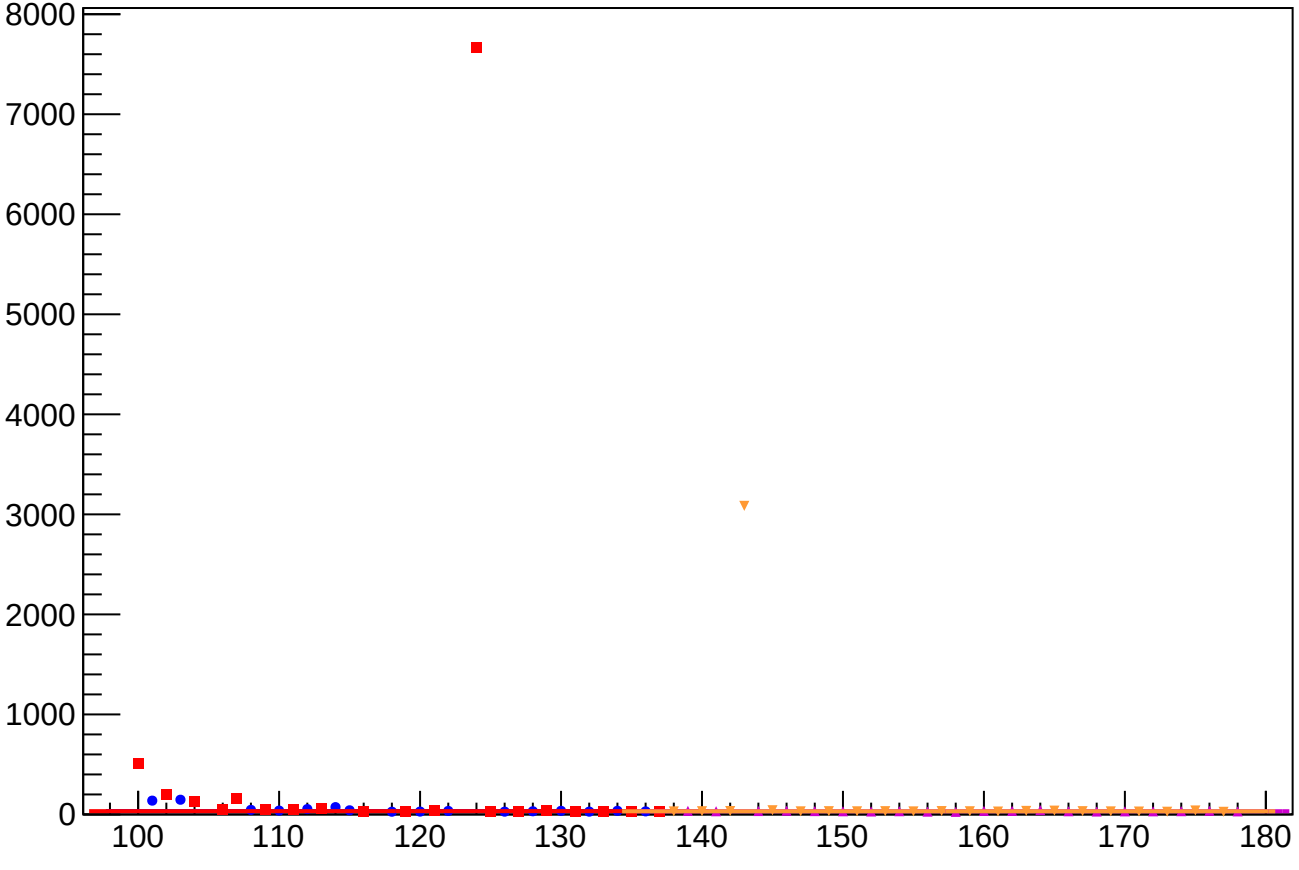
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.005+/-0.008 χ^2/NDF:40.1/35

Out: -0.008+/-0.008 χ^2/NDF:49.5/39

All: -0.007+/-0.005 χ^2/NDF: 89.7/75

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: 32.337+/-0.006 χ^2/NDF:284986.5/19

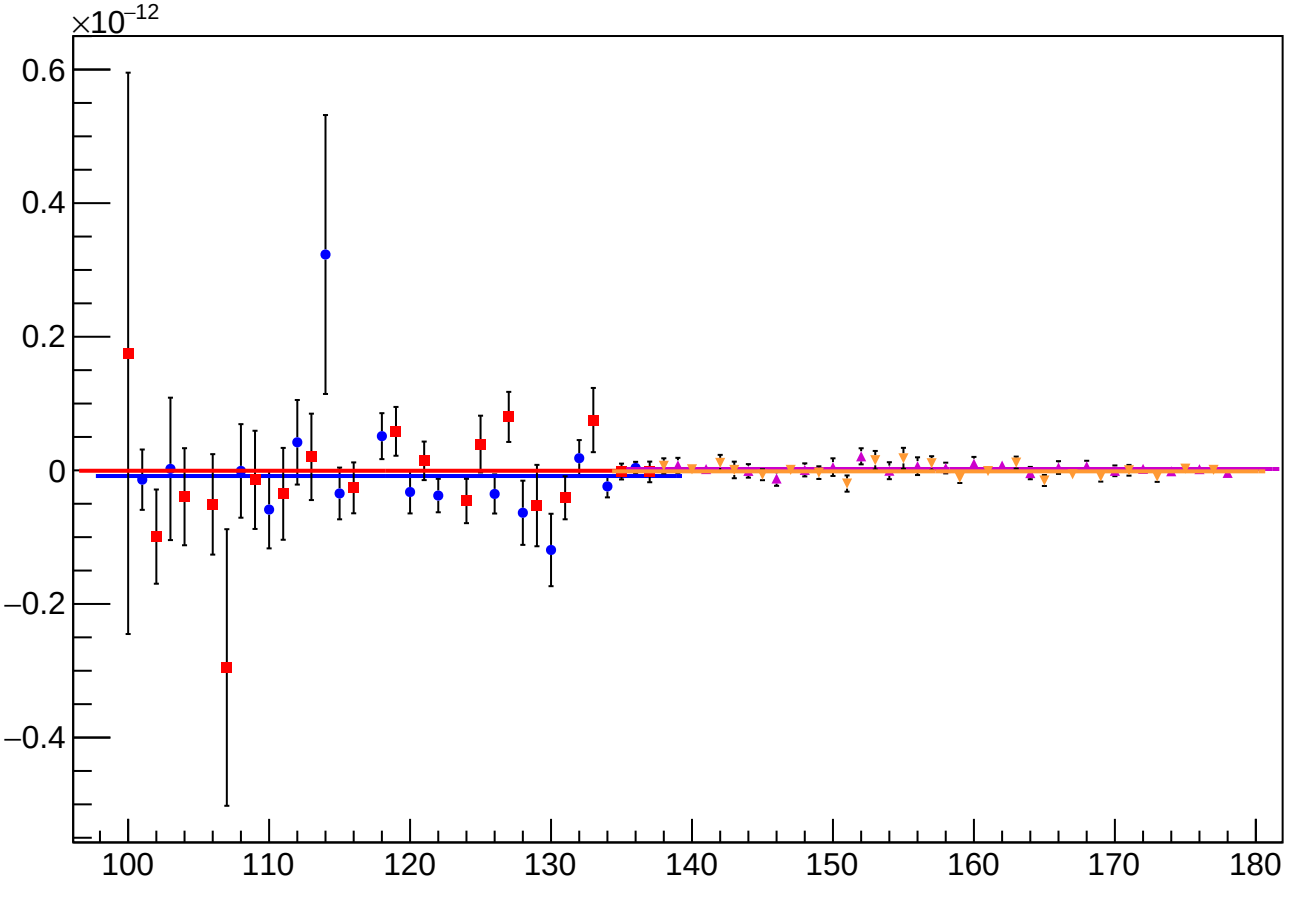
Left: 32.064+/-0.004 χ^2/NDF: 2204491.7/40

Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 32.785+/-0.005 χ^2/NDF:2022304.6/35

Out: 32.125+/-0.005 χ^2/NDF:4001949.9/39

All: 32.455+/-0.004 χ^2/NDF: 6031927.3/75



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:7.6/19

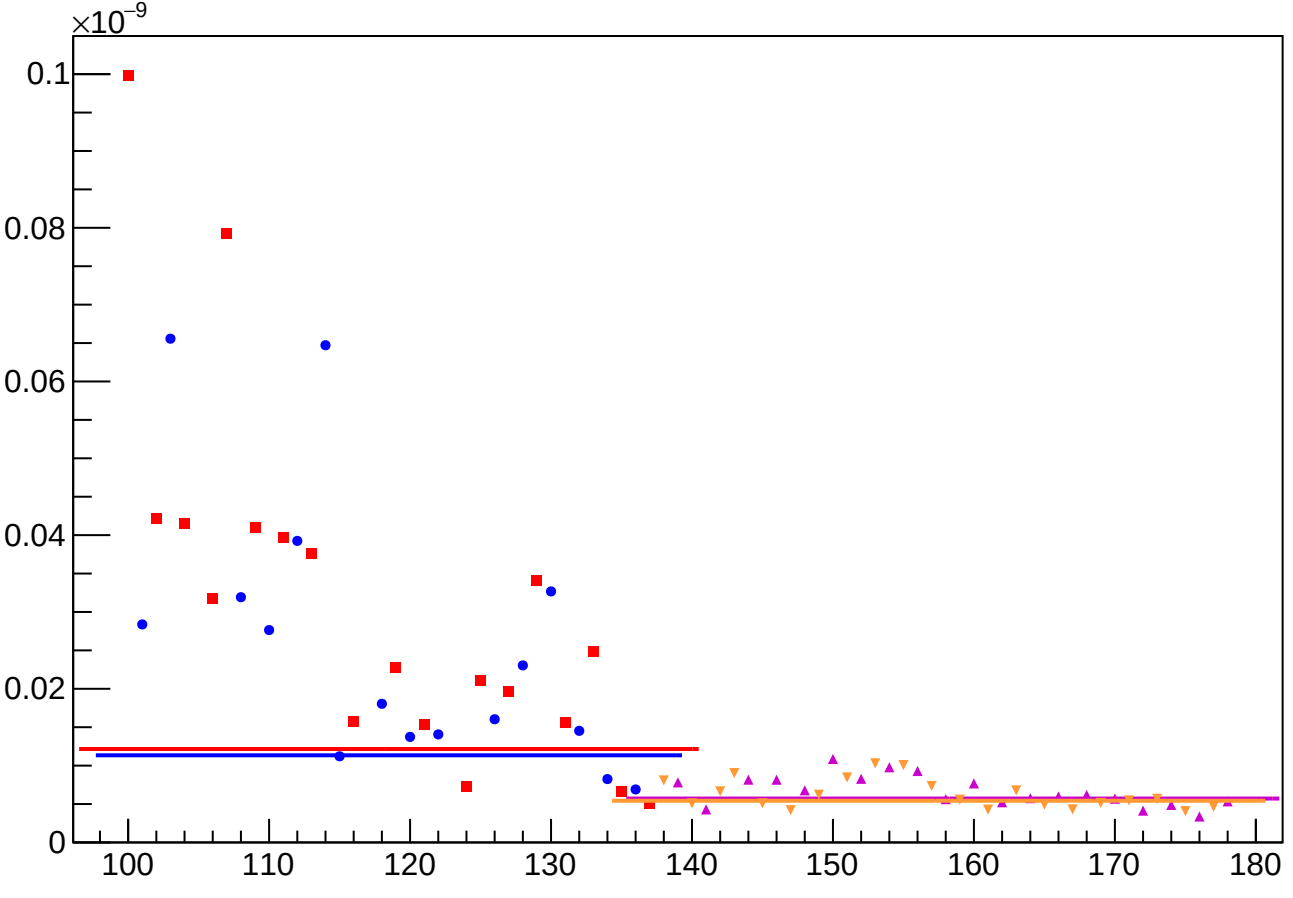
Left: 0.000+/-0.000 χ^2/NDF: 27.8/40

Right: -0.000+/-0.000 χ^2/NDF: 40.7/34

In: 0.000+/-0.000 χ^2/NDF:29.4/35

Out: -0.000+/-0.000 χ^2/NDF:39.2/39

All: -0.000+/-0.000 χ^2/NDF: 69.7/75



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:1792045.1/19

Left: 0.000+/-0.000 χ^2/NDF: 3137874.6/40

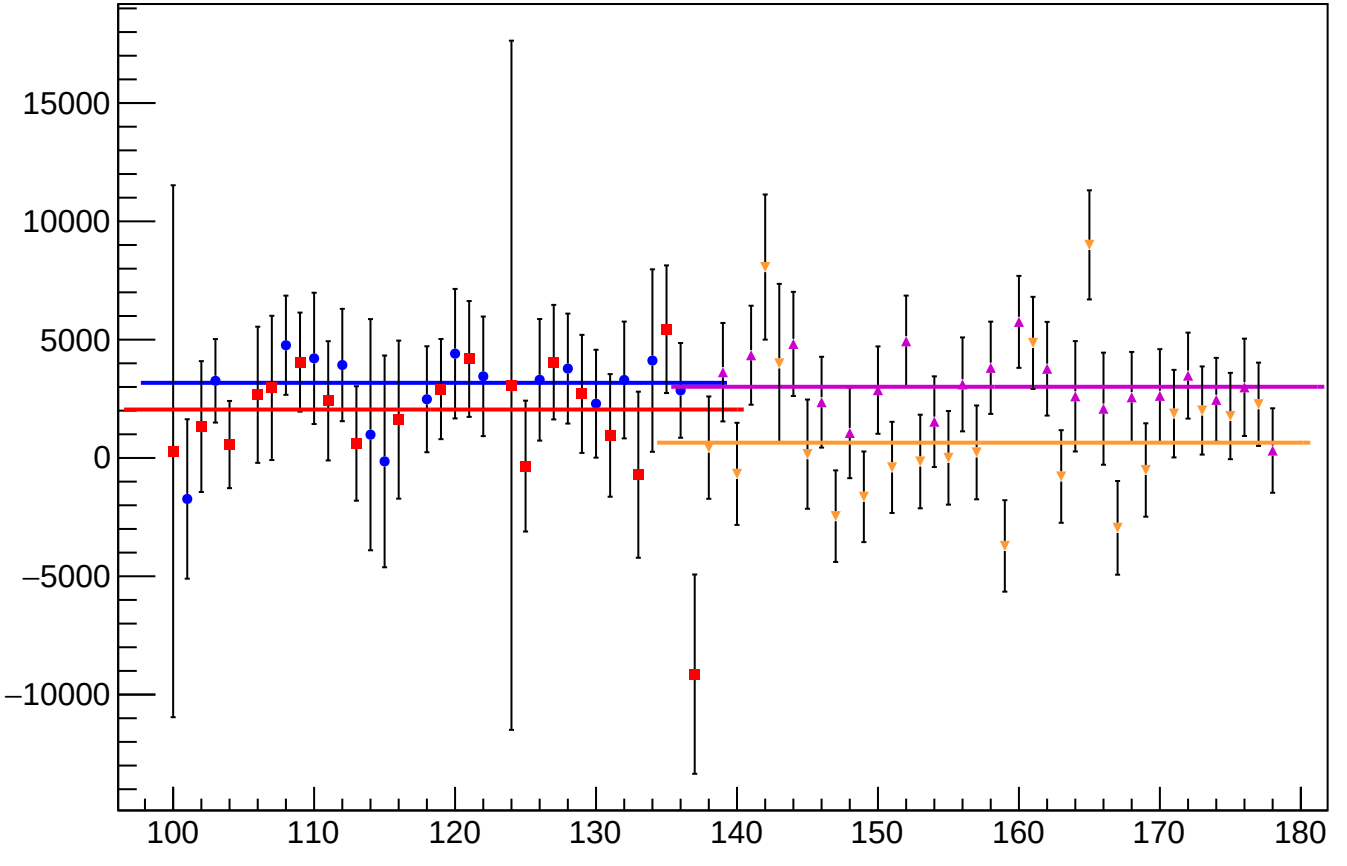
Right: 0.000+/-0.000 χ^2/NDF: 6585389.8/34

In: 0.000+/-0.000 χ^2/NDF:6032223.9/35

Out: 0.000+/-0.000 χ^2/NDF:6703793.5/39

All: 0.000+/-0.000 χ^2/NDF: 12771932.5/75

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: 3008.490+/-440.841 χ^2/NDF:9.0/19

Left: 1834.784+/-312.691 χ^2/NDF: 64.4/40

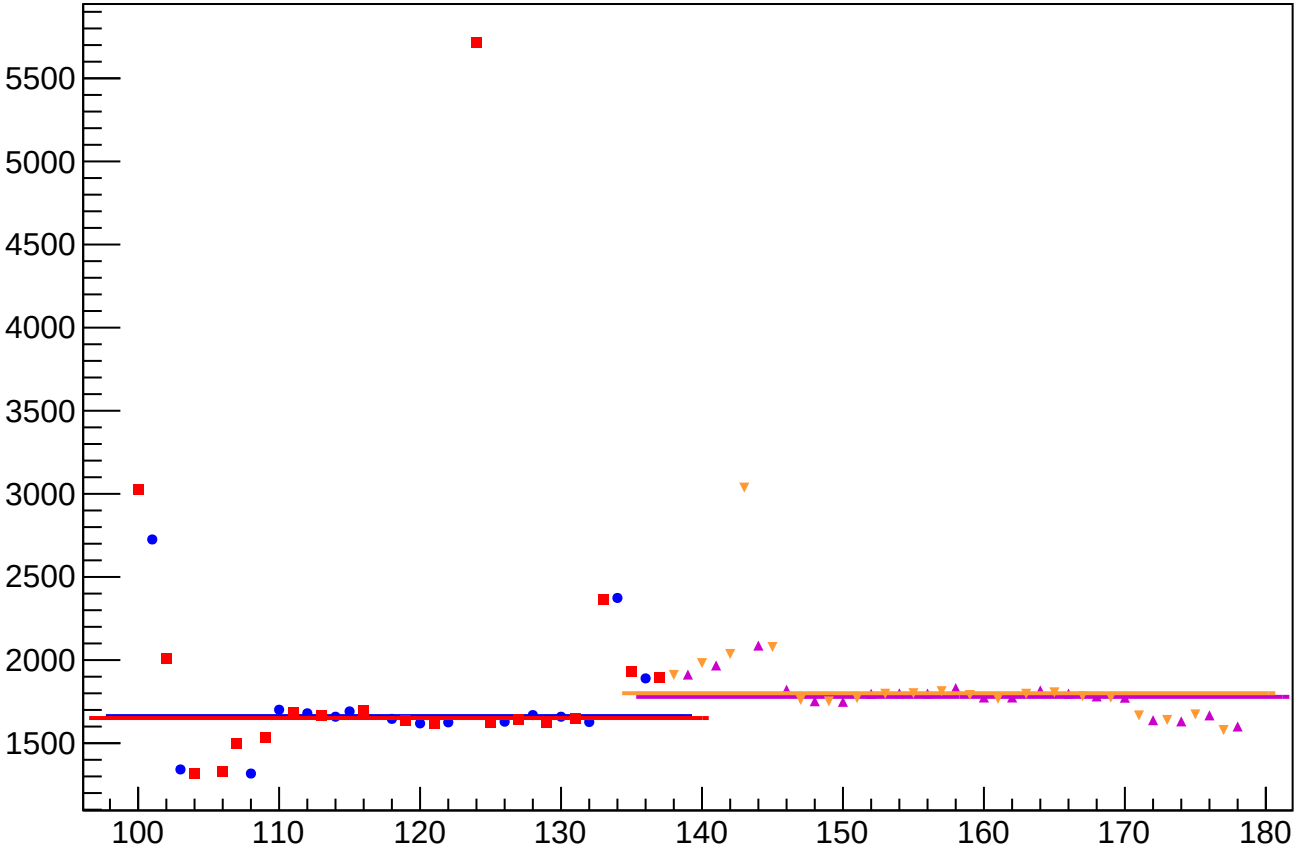
Right: 2605.638+/-441.744 χ^2/NDF: 20.0/34

In: 3063.654+/-360.814 χ^2/NDF:13.3/35

Out: 1119.220+/-361.060 χ^2/NDF:58.6/39

All: 2092.099+/-255.221 χ^2/NDF: 86.4/75

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: 1778.776+/-0.312 χ^2/NDF:120273.3/19

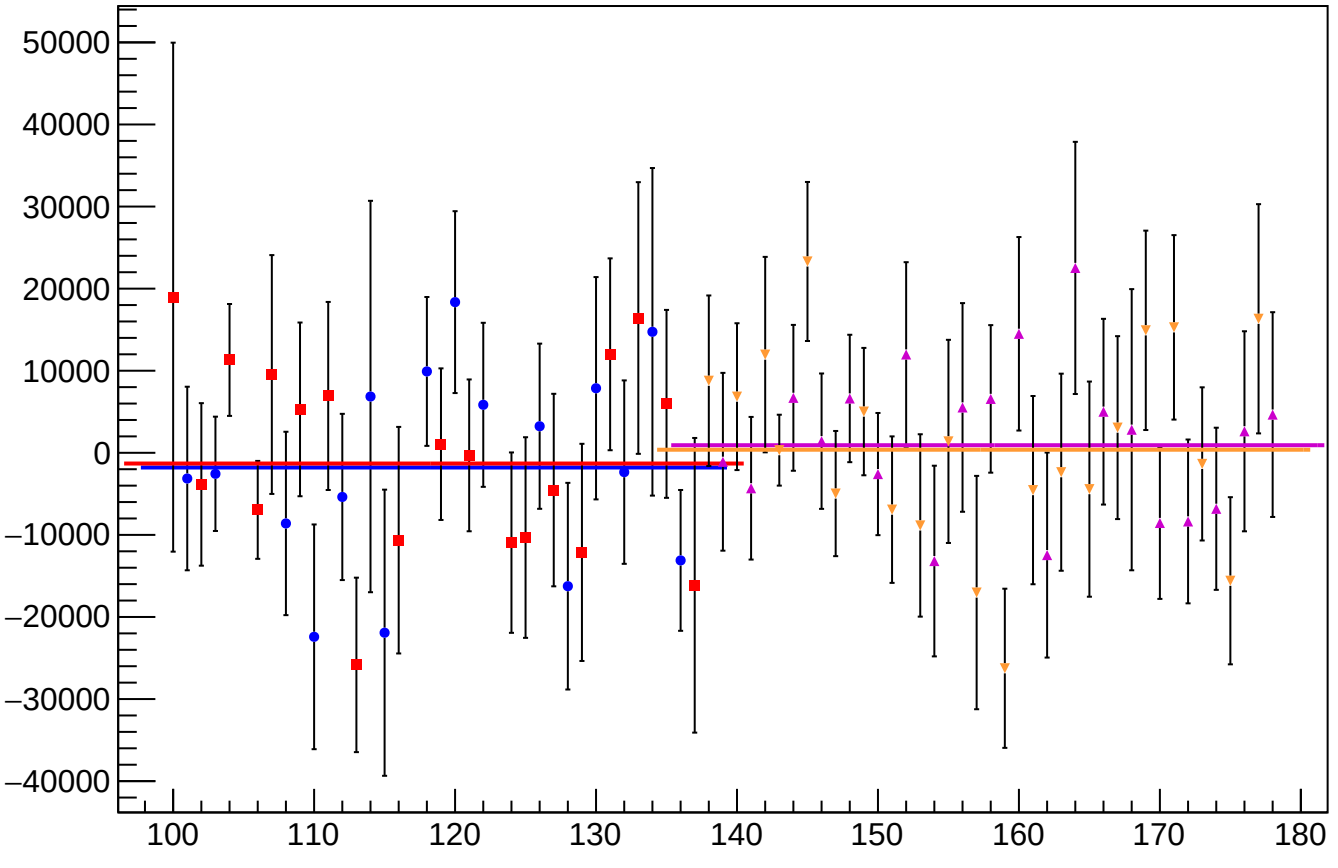
Left: 1789.617+/-0.221 χ^2/NDF: 524360.2/40

Right: 1657.052+/-0.312 χ^2/NDF: 847939.4/34

In: 1740.525+/-0.255 χ^2/NDF:581518.6/35

Out: 1750.213+/-0.255 χ^2/NDF:910051.8/39

All: 1745.366+/-0.180 χ^2/NDF: 1492290.9/75



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: 375.104+/-2045.266 χ^2/NDF:26.4/20

Right Out: -1306.311+/-2430.063 χ^2/NDF: 17.7/18

Left In: 924.489+/-2282.808 χ^2/NDF:11.8/19

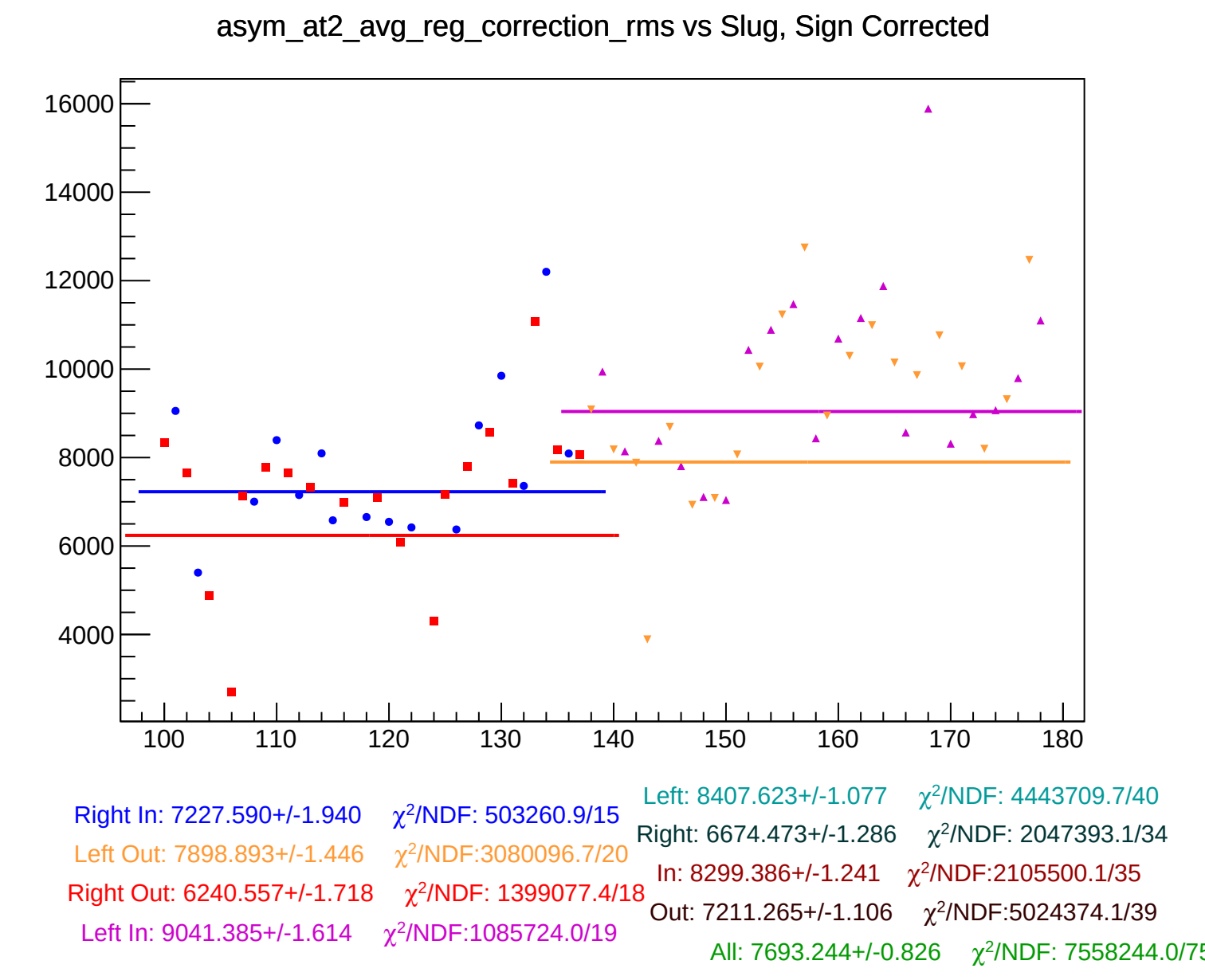
Left: 619.735+/-1523.304 χ^2/NDF: 38.2/40

Right: -1519.402+/-1819.116 χ^2/NDF: 32.1/34

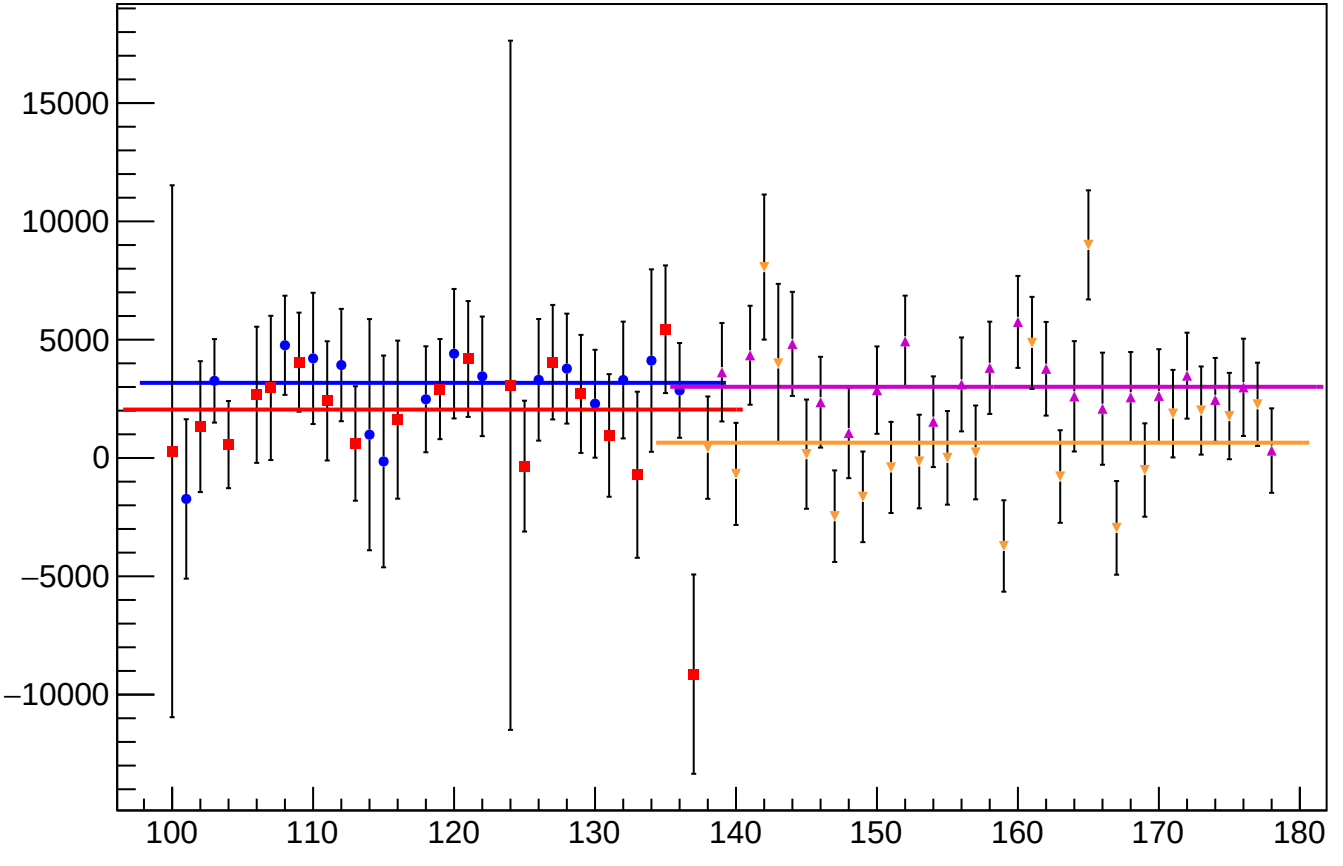
In: -186.394+/-1754.815 χ^2/NDF:26.7/35

Out: -322.094+/-1564.797 χ^2/NDF:44.4/39

All: -261.986+/-1167.903 χ^2/NDF: 71.1/75


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: 9041.385+/-1.614 χ²/NDF:1085724.0/19
Left: 8407.623+/-1.077 χ²/NDF: 4443709.7/40
Right: 6674.473+/-1.286 χ²/NDF: 2047393.1/34
In: 8299.386+/-1.241 χ²/NDF:2105500.1/35
Out: 7211.265+/-1.106 χ²/NDF:5024374.1/39
All: 7693.244+/-0.826 χ²/NDF: 7558244.0/75

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: 3008.394+/-440.841 χ^2/NDF:9.0/19

Left: 1834.693+/-312.691 χ^2/NDF: 64.4/40

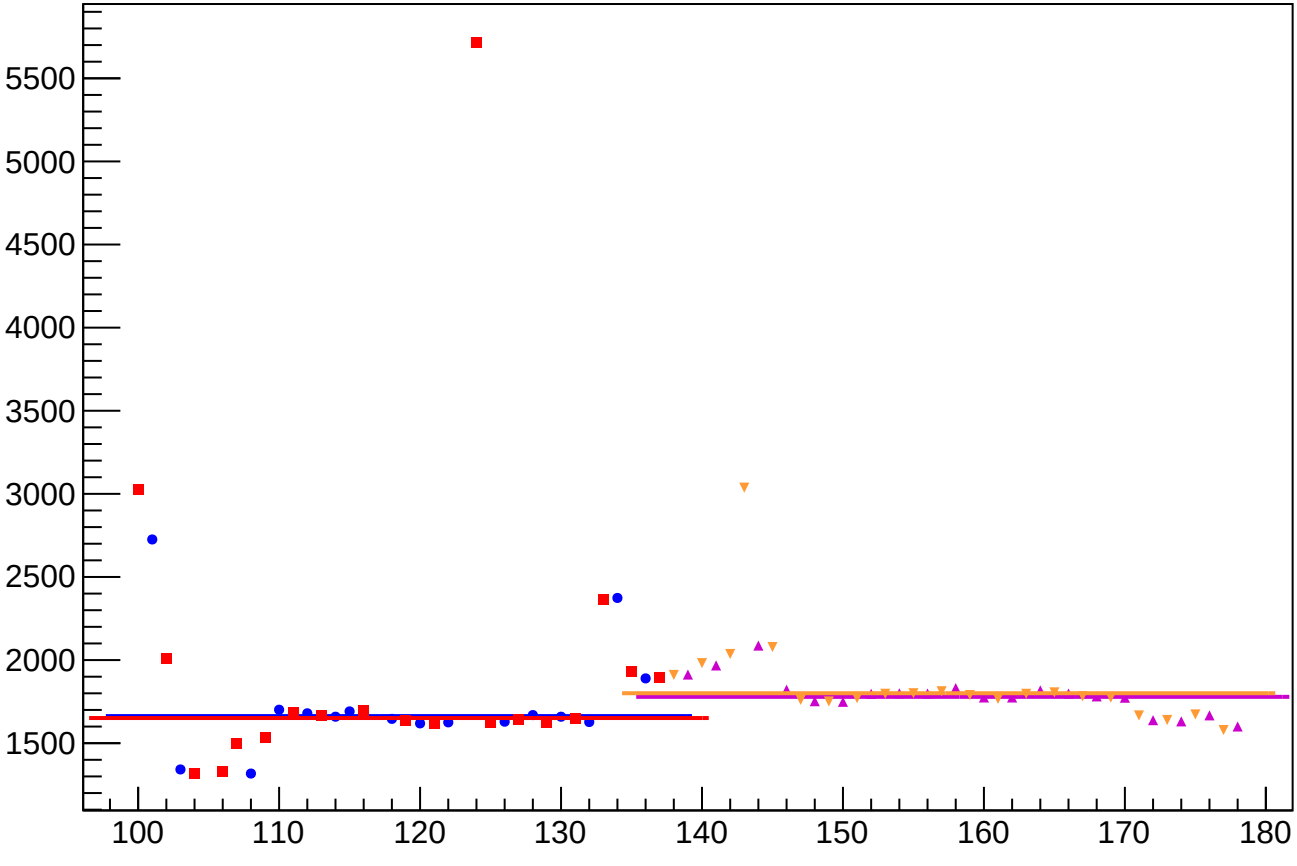
Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3063.620+/-360.814 χ^2/NDF:13.3/35

Out: 1119.097+/-361.060 χ^2/NDF:58.6/39

All: 2092.020+/-255.221 χ^2/NDF: 86.4/75

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: 1778.776+/-0.312 χ^2/NDF:120273.3/19

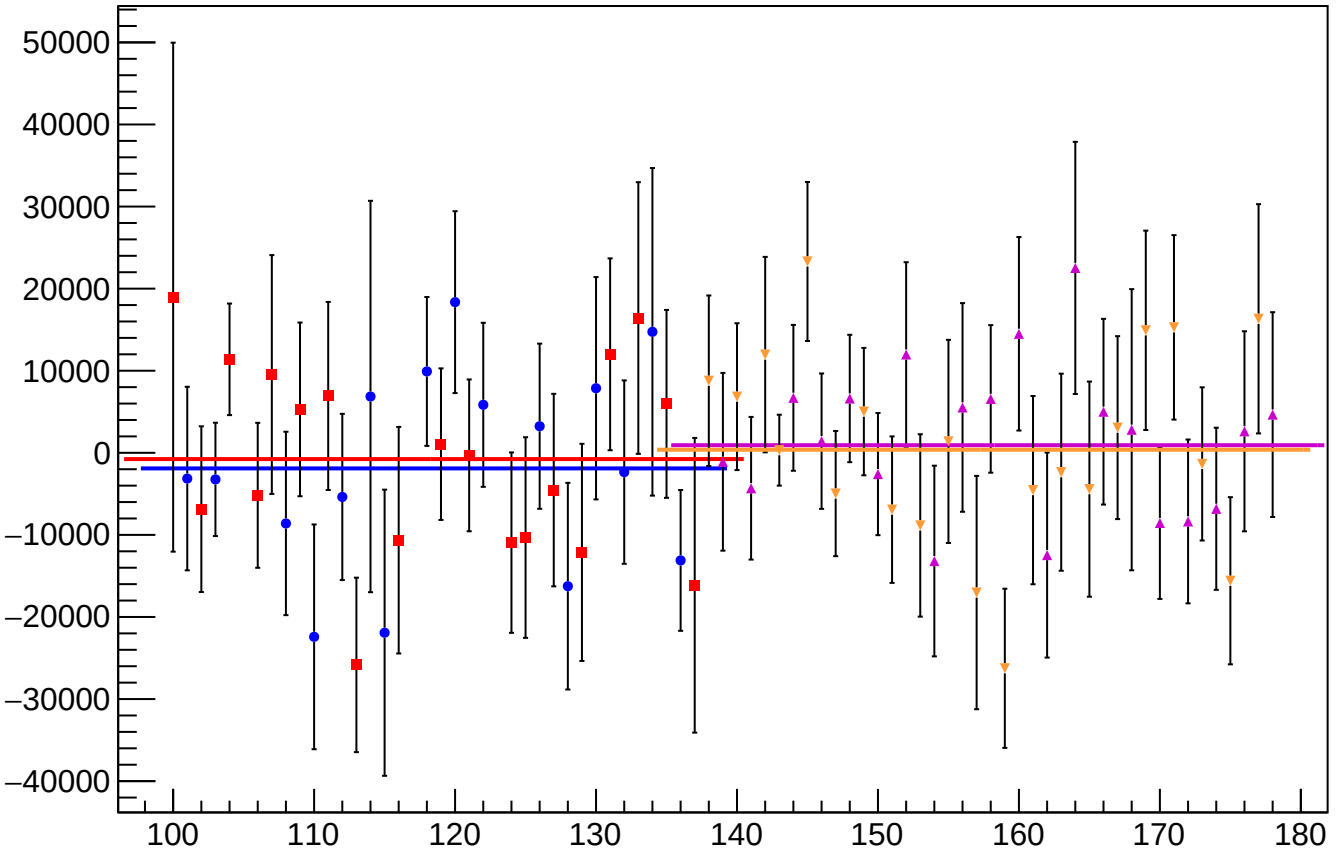
Left: 1789.617+/-0.221 χ^2/NDF: 524360.2/40

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1740.525+/-0.255 χ^2/NDF:581519.1/35

Out: 1750.213+/-0.255 χ^2/NDF:910052.0/39

All: 1745.366+/-0.180 χ^2/NDF: 1492291.6/75



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: 924.558+/-2282.807 χ^2/NDF:11.8/19

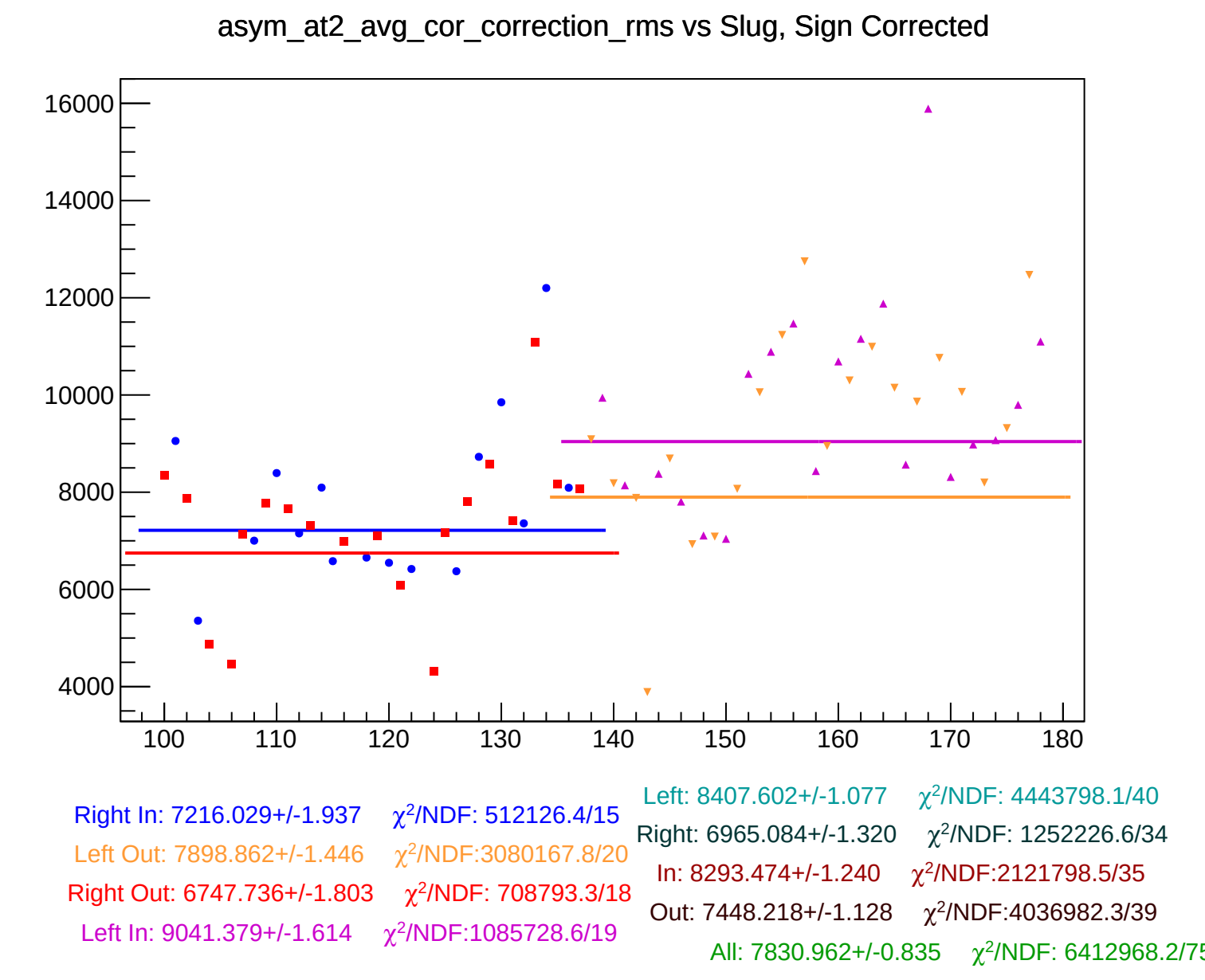
Left: 619.729+/-1523.301 χ^2/NDF: 38.2/40

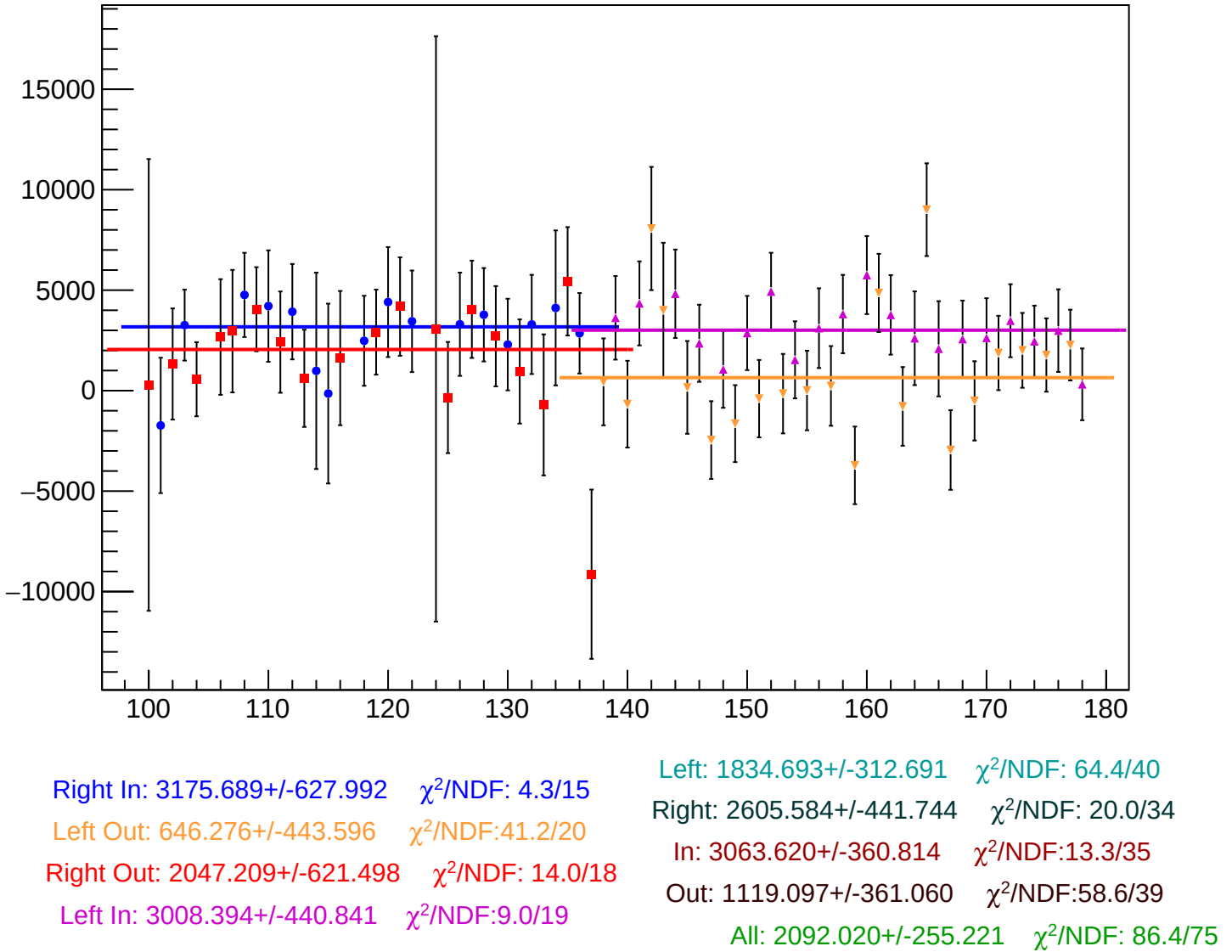
Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

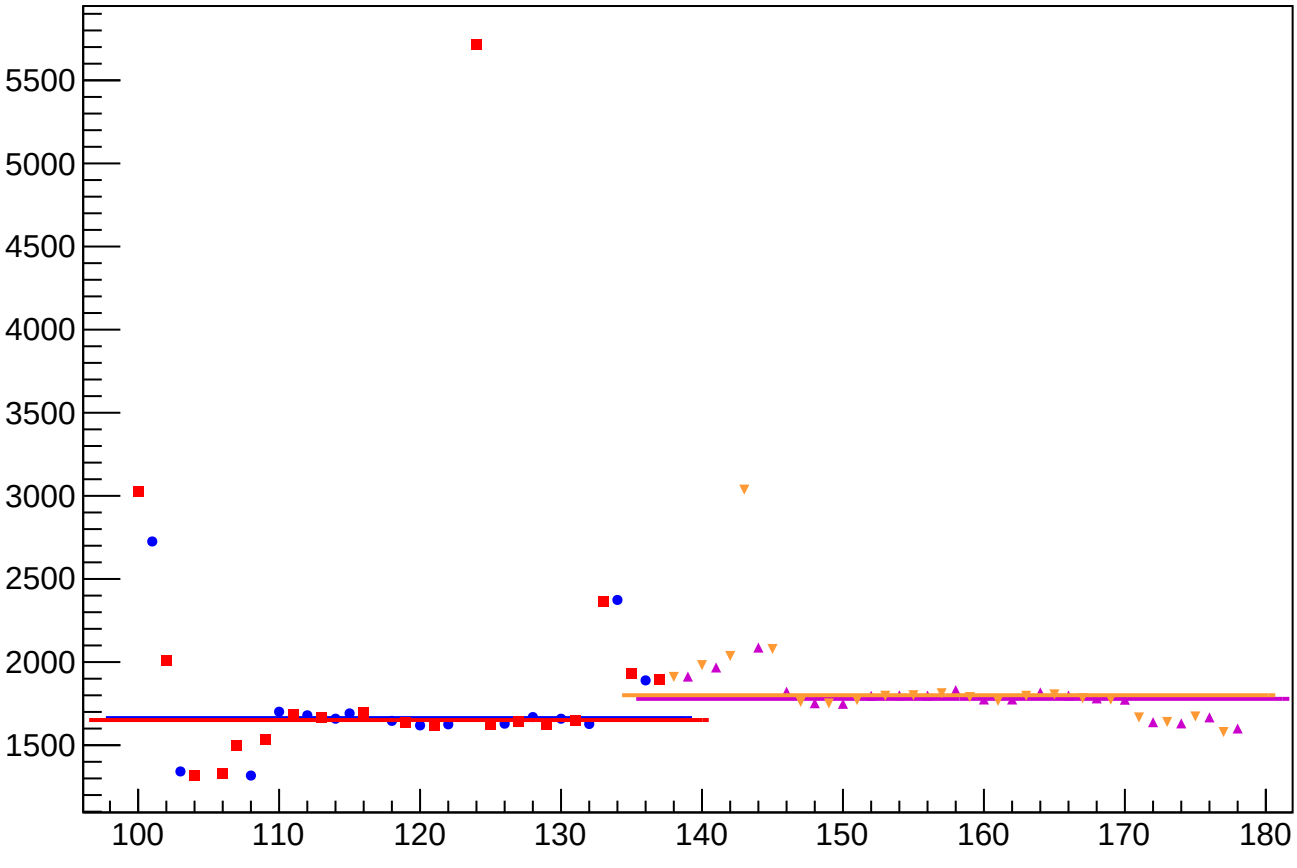
In: -232.807+/-1753.855 χ^2/NDF:26.8/35

Out: -70.290+/-1595.460 χ^2/NDF:43.8/39

All: -143.880+/-1180.194 χ^2/NDF: 70.6/75


asym_at2_avg_cor_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
180
Right In: 7216.029+/-1.937 χ²/NDF: 512126.4/15
Left Out: 7898.862+/-1.446 χ²/NDF:3080167.8/20
Right Out: 6747.736+/-1.803 χ²/NDF: 708793.3/18
Left In: 9041.379+/-1.614 χ²/NDF:1085728.6/19
Left: 8407.602+/-1.077 χ²/NDF: 4443798.1/40
Right: 6965.084+/-1.320 χ²/NDF: 1252226.6/34
In: 8293.474+/-1.240 χ²/NDF:2121798.5/35
Out: 7448.218+/-1.128 χ²/NDF:4036982.3/39
All: 7830.962+/-0.835 χ²/NDF: 6412968.2/75


eigen_cor_asym_at2_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: 3175.689+/-627.992 χ²/NDF: 4.3/15
Left Out: 646.276+/-443.596 χ²/NDF:41.2/20
Right Out: 2047.209+/-621.498 χ²/NDF: 14.0/18
Left In: 3008.394+/-440.841 χ²/NDF:9.0/19
Left: 1834.693+/-312.691 χ²/NDF: 64.4/40
Right: 2605.584+/-441.744 χ²/NDF: 20.0/34
In: 3063.620+/-360.814 χ²/NDF:13.3/35
Out: 1119.097+/-361.060 χ²/NDF:58.6/39
All: 2092.020+/-255.221 χ²/NDF: 86.4/75



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: 1778.776+/-0.312 χ^2/NDF:120273.3/19

Left: 1789.617+/-0.221 χ^2/NDF: 524360.2/40

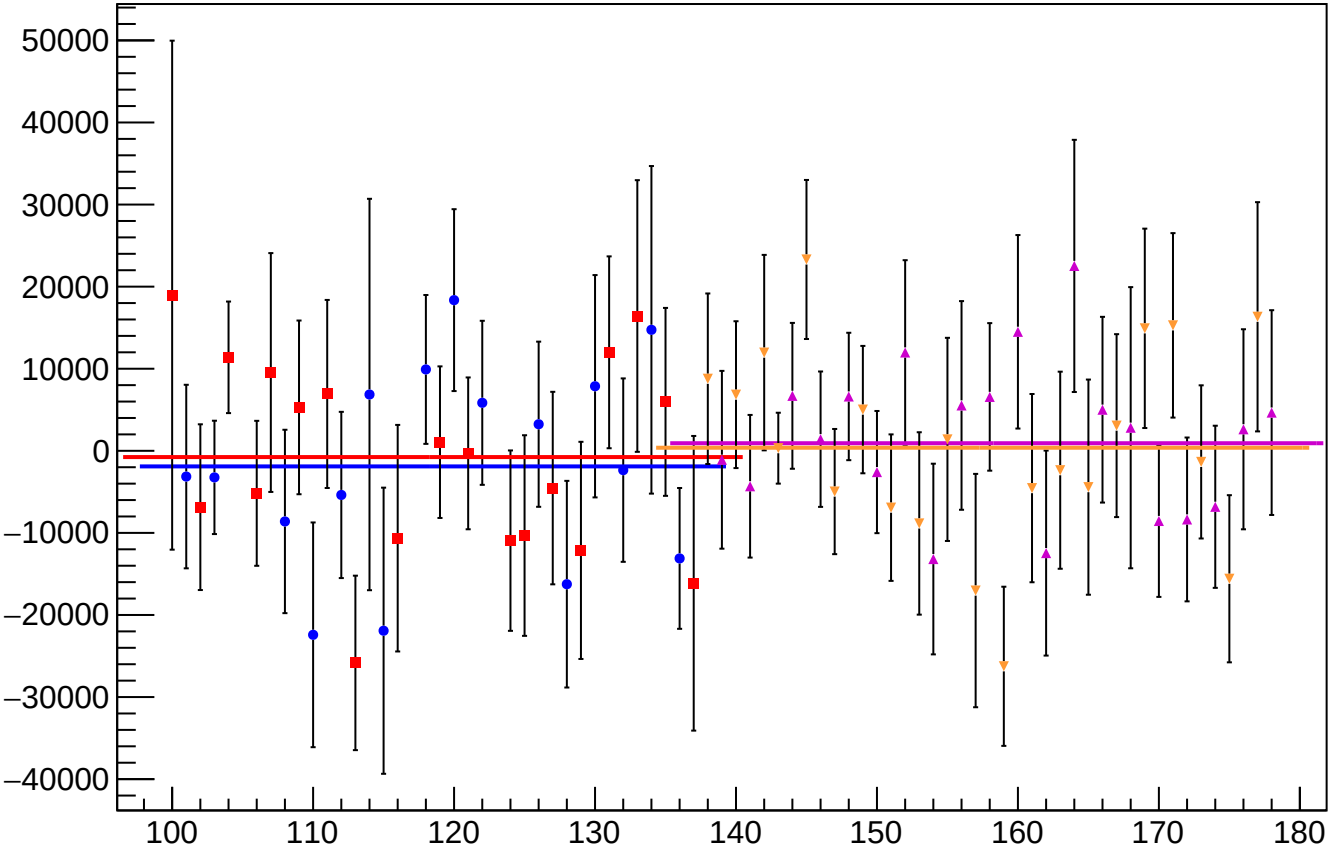
Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1740.525+/-0.255 χ^2/NDF:581519.1/35

Out: 1750.213+/-0.255 χ^2/NDF:910052.0/39

All: 1745.366+/-0.180 χ^2/NDF: 1492291.6/75

asym_at2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 375.040+/-2045.261 χ^2/NDF:26.4/20

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: 924.558+/-2282.807 χ^2/NDF:11.8/19

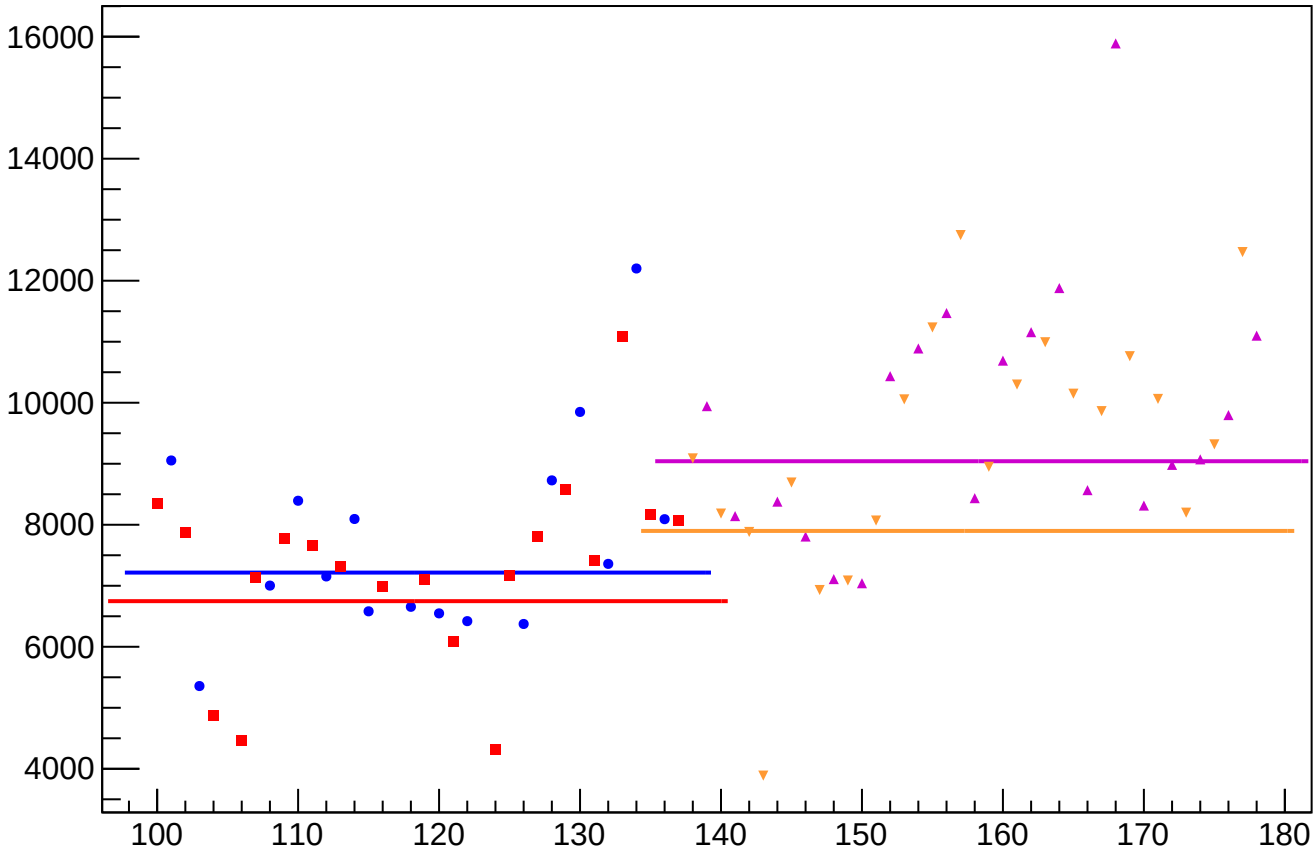
Left: 619.729+/-1523.301 χ^2/NDF: 38.2/40

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: -232.807+/-1753.855 χ^2/NDF:26.8/35

Out: -70.290+/-1595.460 χ^2/NDF:43.8/39

All: -143.880+/-1180.194 χ^2/NDF: 70.6/75



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: 9041.379+/-1.614 χ^2/NDF:1085728.6/19

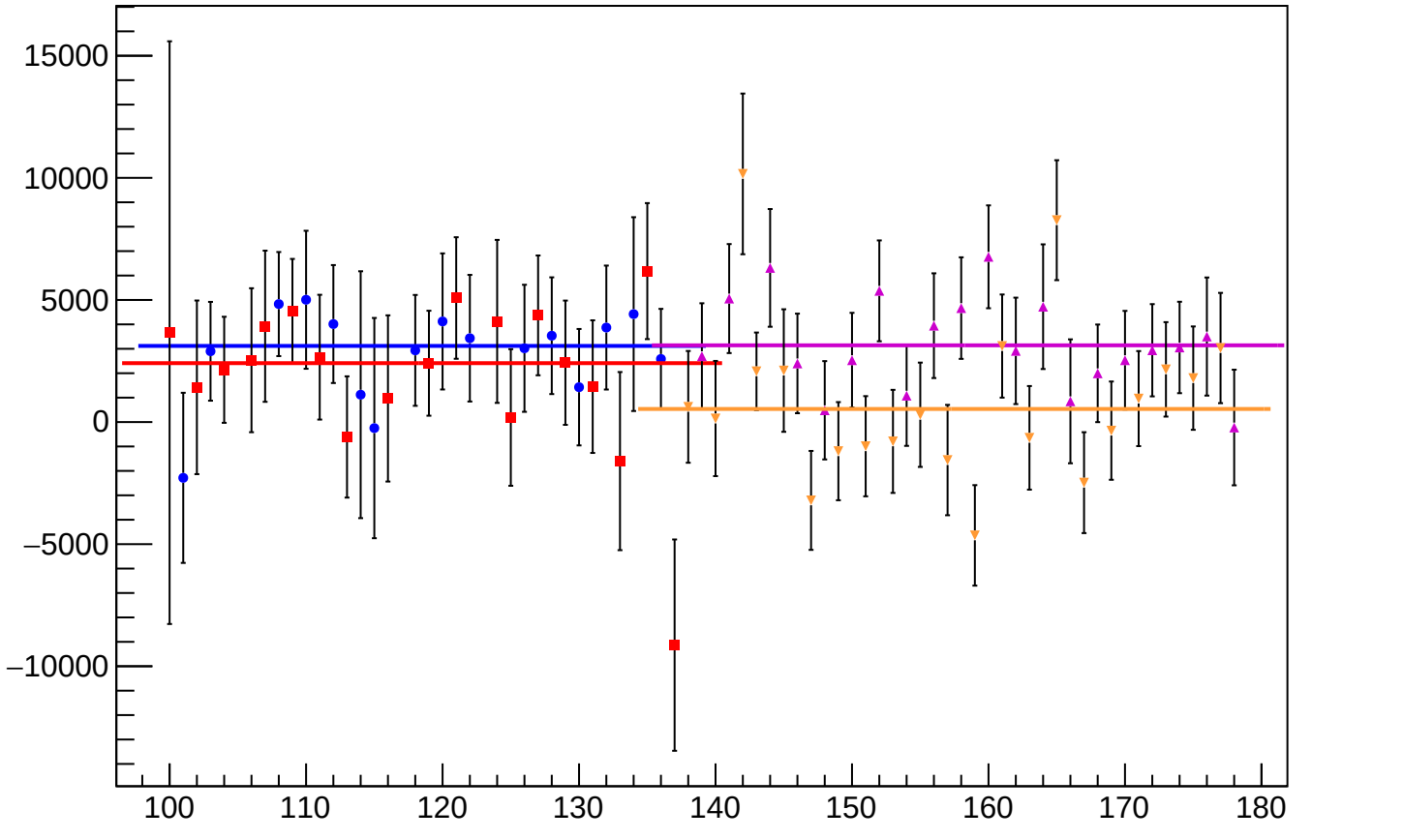
Left: 8407.602+/-1.077 χ^2/NDF: 4443798.1/40

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 8293.474+/-1.240 χ^2/NDF:2121798.5/35

Out: 7448.218+/-1.128 χ^2/NDF:4036982.3/39

All: 7830.962+/-0.835 χ^2/NDF: 6412968.2/75



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: 3142.435+/-475.960 χ^2/NDF:14.0/19

Left: 1802.815+/-331.822 χ^2/NDF: 68.0/40

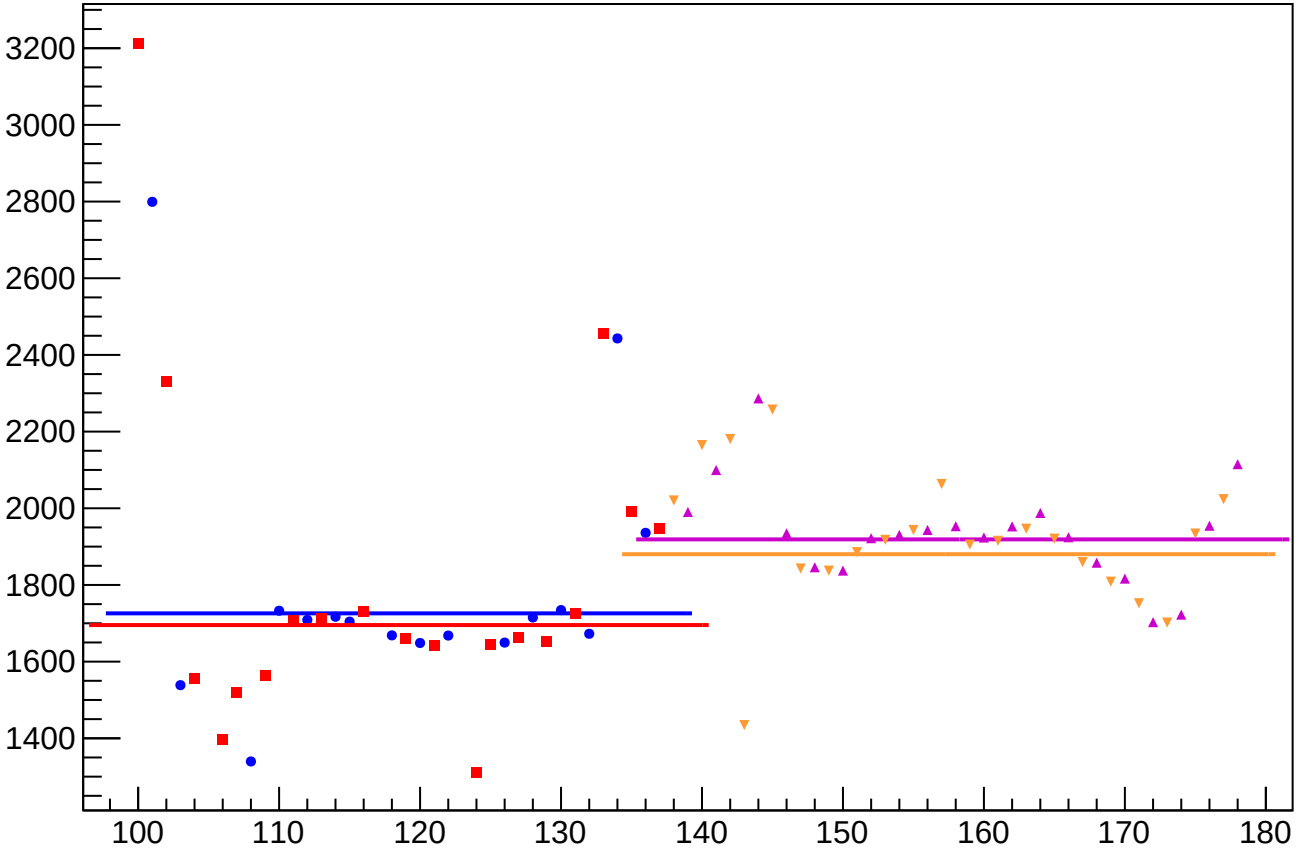
Right: 2758.560+/-456.072 χ^2/NDF: 21.9/34

In: 3133.883+/-384.246 χ^2/NDF:19.3/35

Out: 1181.684+/-374.850 χ^2/NDF:60.2/39

All: 2133.625+/-268.319 χ^2/NDF: 92.8/75

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: 1918.836+/-0.337 χ^2/NDF:140218.4/19

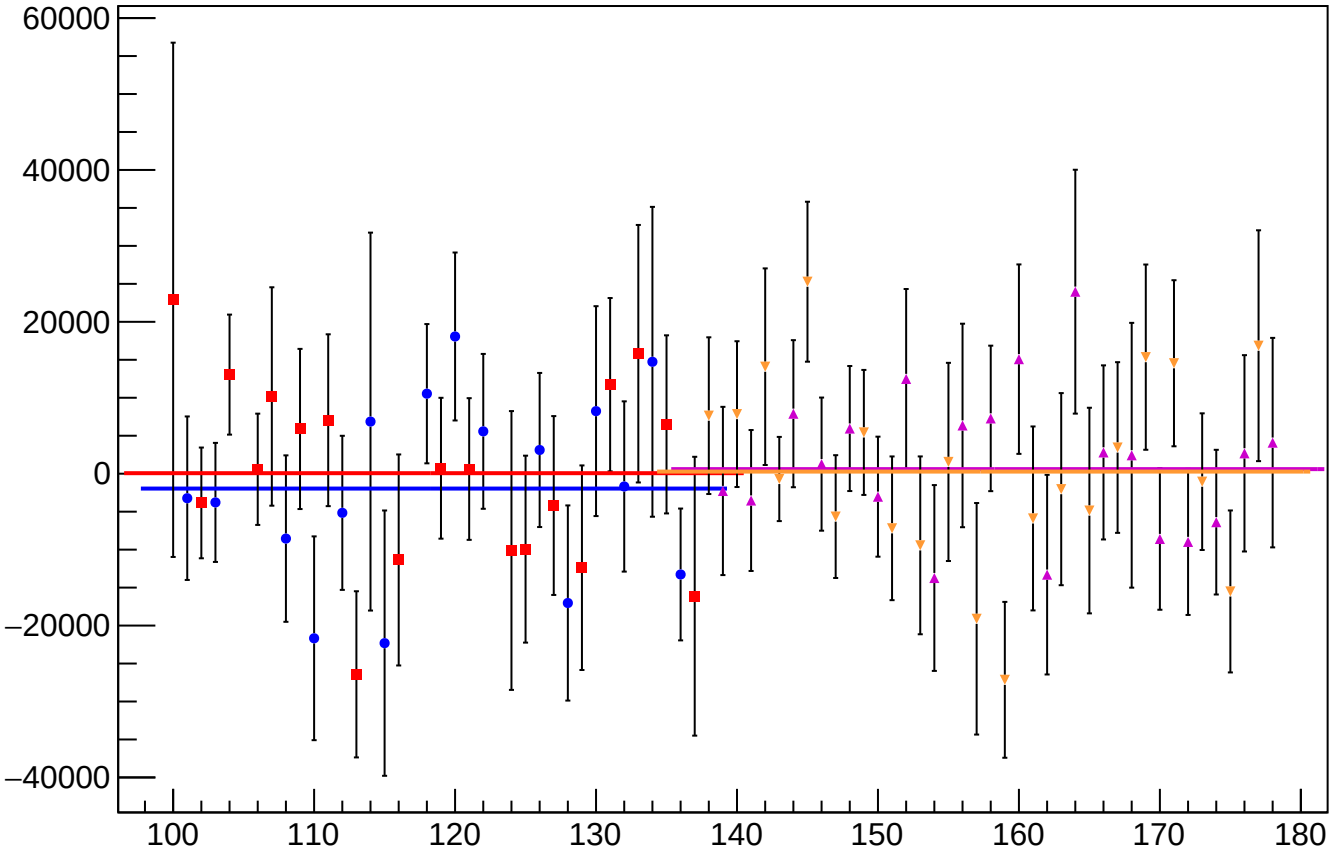
Left: 1898.985+/-0.235 χ^2/NDF: 461269.3/40

Right: 1710.357+/-0.322 χ^2/NDF: 653500.6/34

In: 1851.649+/-0.272 χ^2/NDF:620293.8/35

Out: 1816.582+/-0.265 χ^2/NDF:709695.5/39

All: 1833.679+/-0.190 χ^2/NDF: 1338525.2/75



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: 602.790+/-2383.440 χ^2/NDF:11.7/19

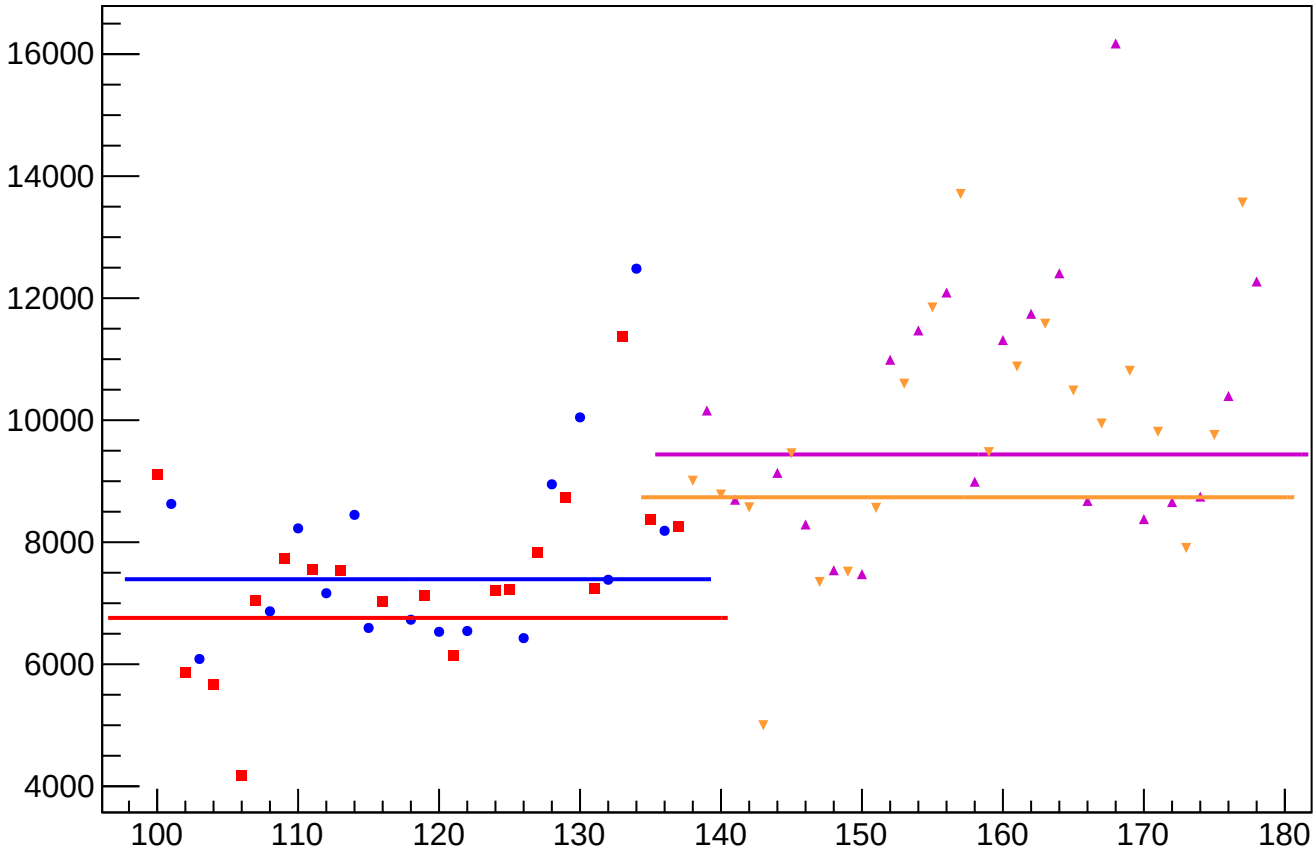
Left: 429.011+/-1624.407 χ^2/NDF: 37.8/40

Right: -843.216+/-1876.494 χ^2/NDF: 30.8/34

In: -474.120+/-1814.475 χ^2/NDF:26.6/35

Out: 186.861+/-1668.453 χ^2/NDF:42.2/39

All: -115.967+/-1228.158 χ^2/NDF: 68.9/75



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: 9438.646+/-1.685 χ^2/NDF:1086742.2/19

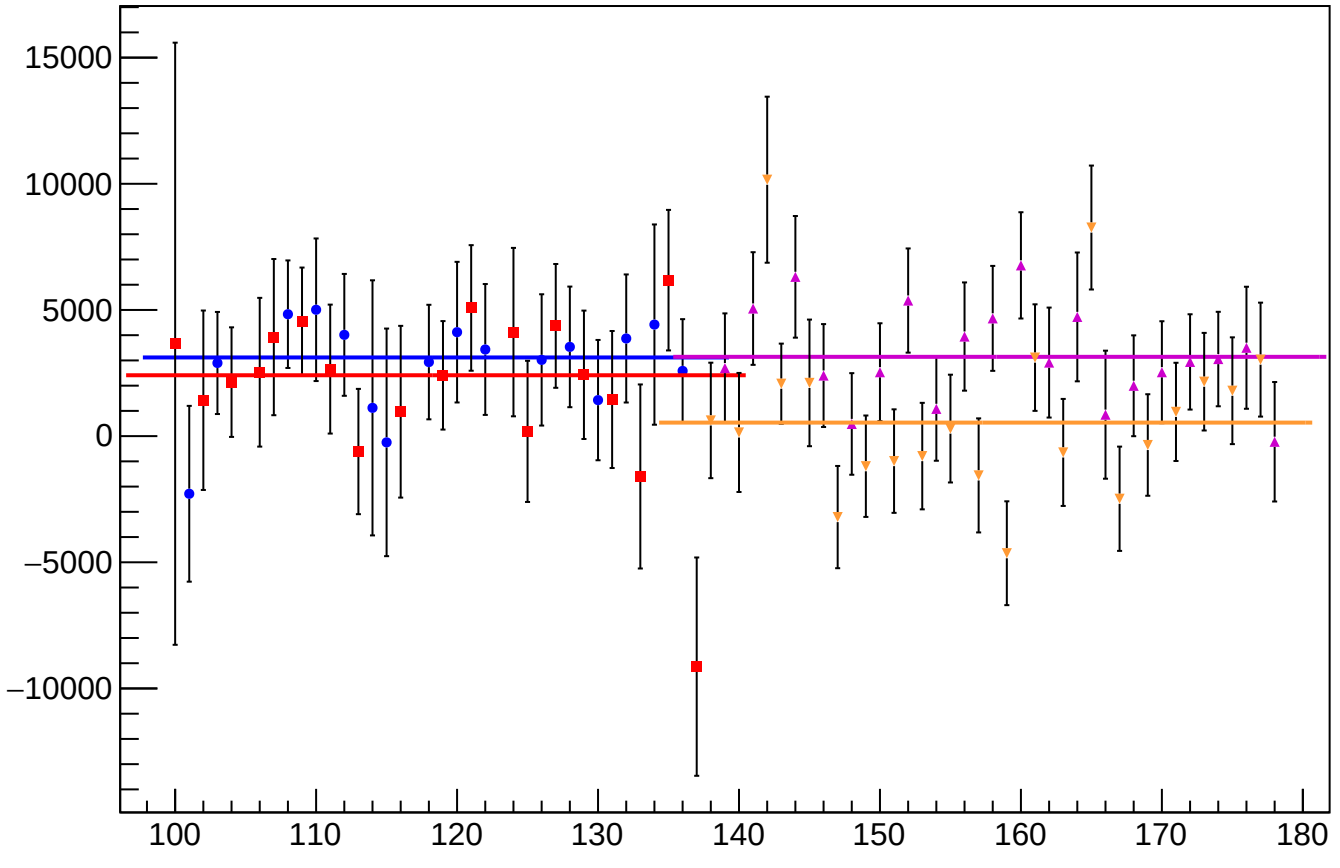
Left: 9062.861+/-1.149 χ^2/NDF: 3124255.0/40

Right: 7044.612+/-1.327 χ^2/NDF: 1102650.4/34

In: 8578.823+/-1.283 χ^2/NDF:2107623.7/35

Out: 7876.583+/-1.180 χ^2/NDF:3279484.1/39

All: 8198.314+/-0.868 χ^2/NDF: 5549430.4/75



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: 3142.440+/-475.960 χ^2/NDF:14.0/19

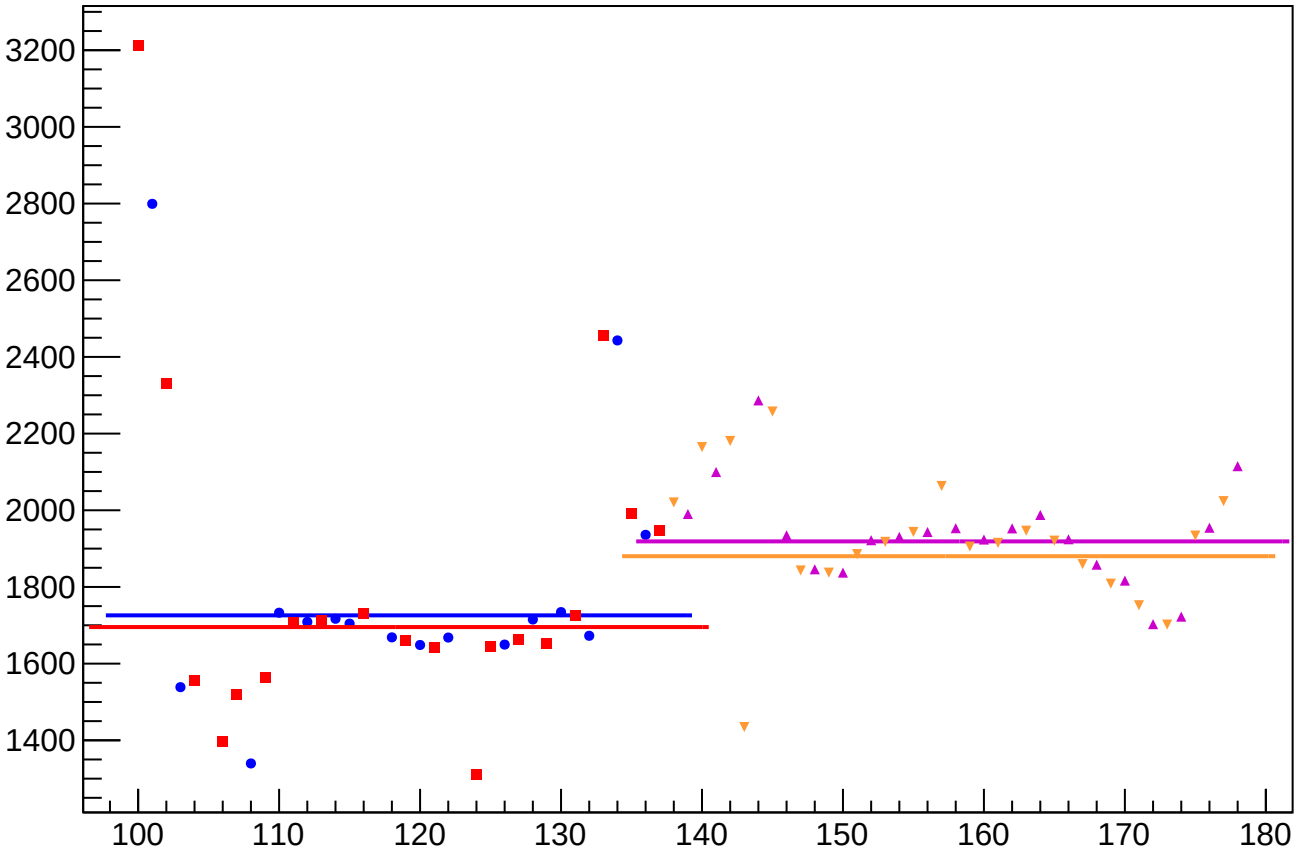
Left: 1802.812+/-331.823 χ^2/NDF: 68.0/40

Right: 2758.566+/-456.072 χ^2/NDF: 21.9/34

In: 3133.887+/-384.246 χ^2/NDF:19.3/35

Out: 1181.682+/-374.851 χ^2/NDF:60.2/39

All: 2133.626+/-268.320 χ^2/NDF: 92.8/75



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: 1918.839+/-0.337 χ^2/NDF:140225.0/19

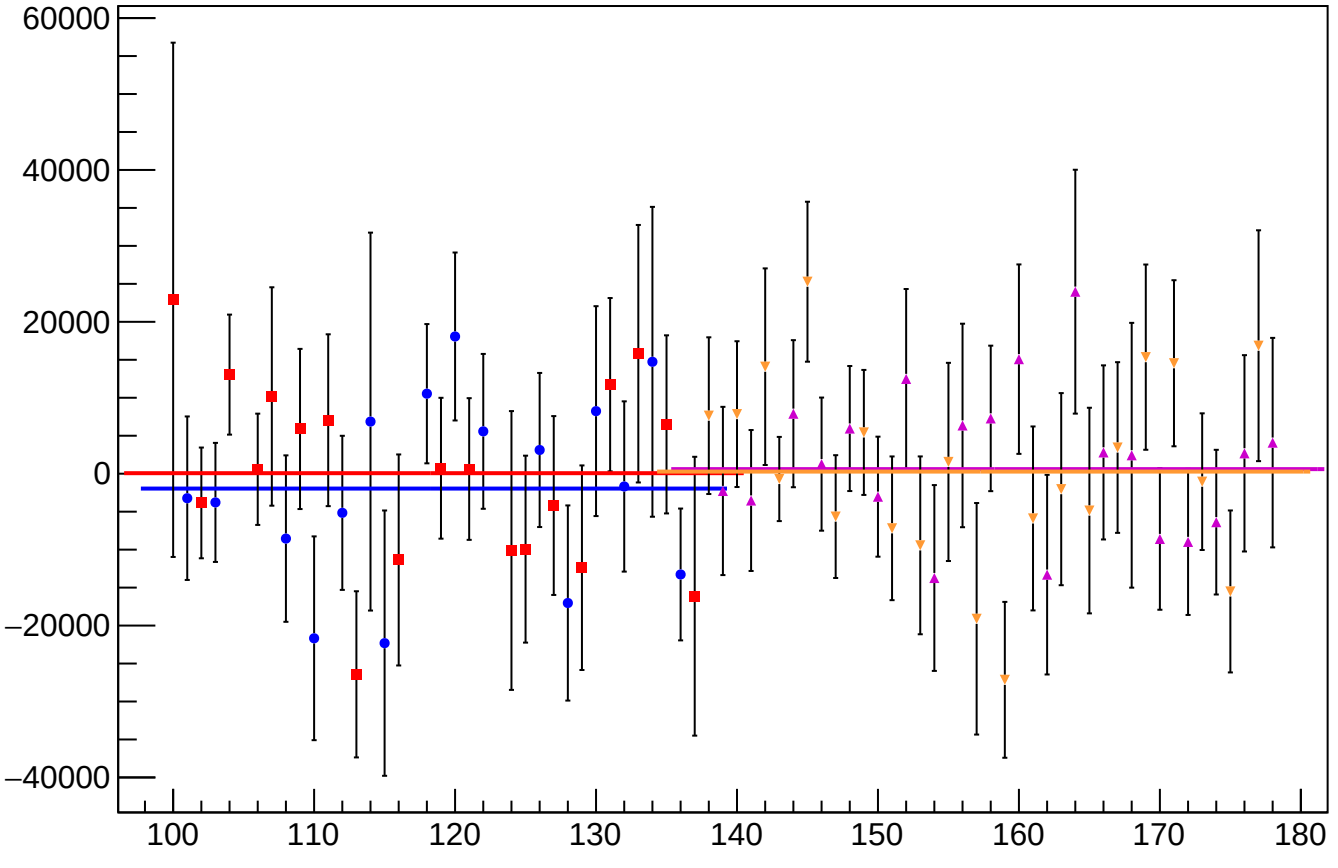
Left: 1898.987+/-0.235 χ^2/NDF: 461281.8/40

Right: 1710.357+/-0.322 χ^2/NDF: 653500.9/34

In: 1851.650+/-0.272 χ^2/NDF:620304.4/35

Out: 1816.583+/-0.265 χ^2/NDF:709704.8/39

All: 1833.681+/-0.190 χ^2/NDF: 1338545.1/75



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: 602.790+/-2383.443 χ^2/NDF:11.7/19

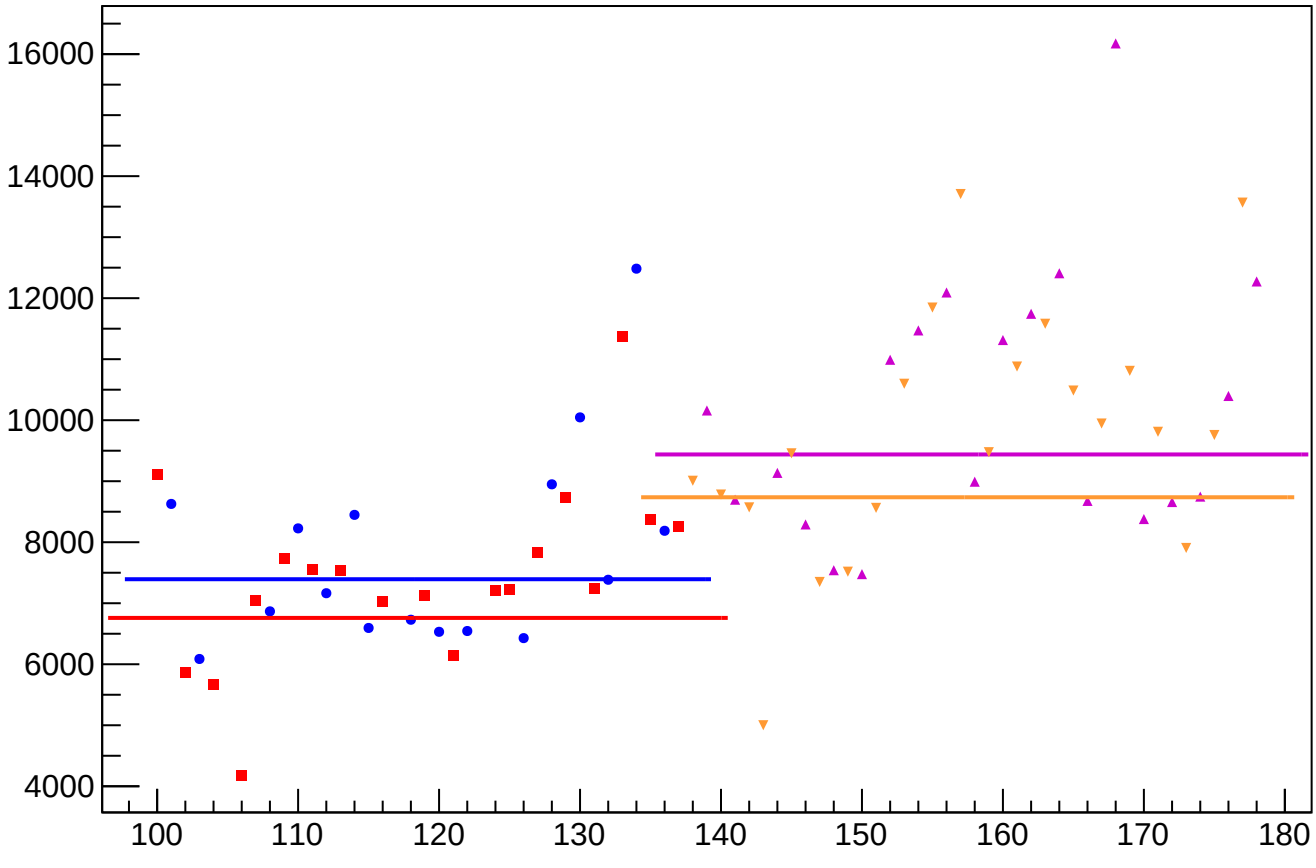
Left: 429.007+/-1624.409 χ^2/NDF: 37.8/40

Right: -843.203+/-1876.490 χ^2/NDF: 30.8/34

In: -474.116+/-1814.475 χ^2/NDF:26.6/35

Out: 186.860+/-1668.453 χ^2/NDF:42.2/39

All: -115.965+/-1228.158 χ^2/NDF: 68.9/75



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: 9438.660+/-1.685 χ^2/NDF:1086744.9/19

Left: 9062.875+/-1.149 χ^2/NDF: 3124257.8/40

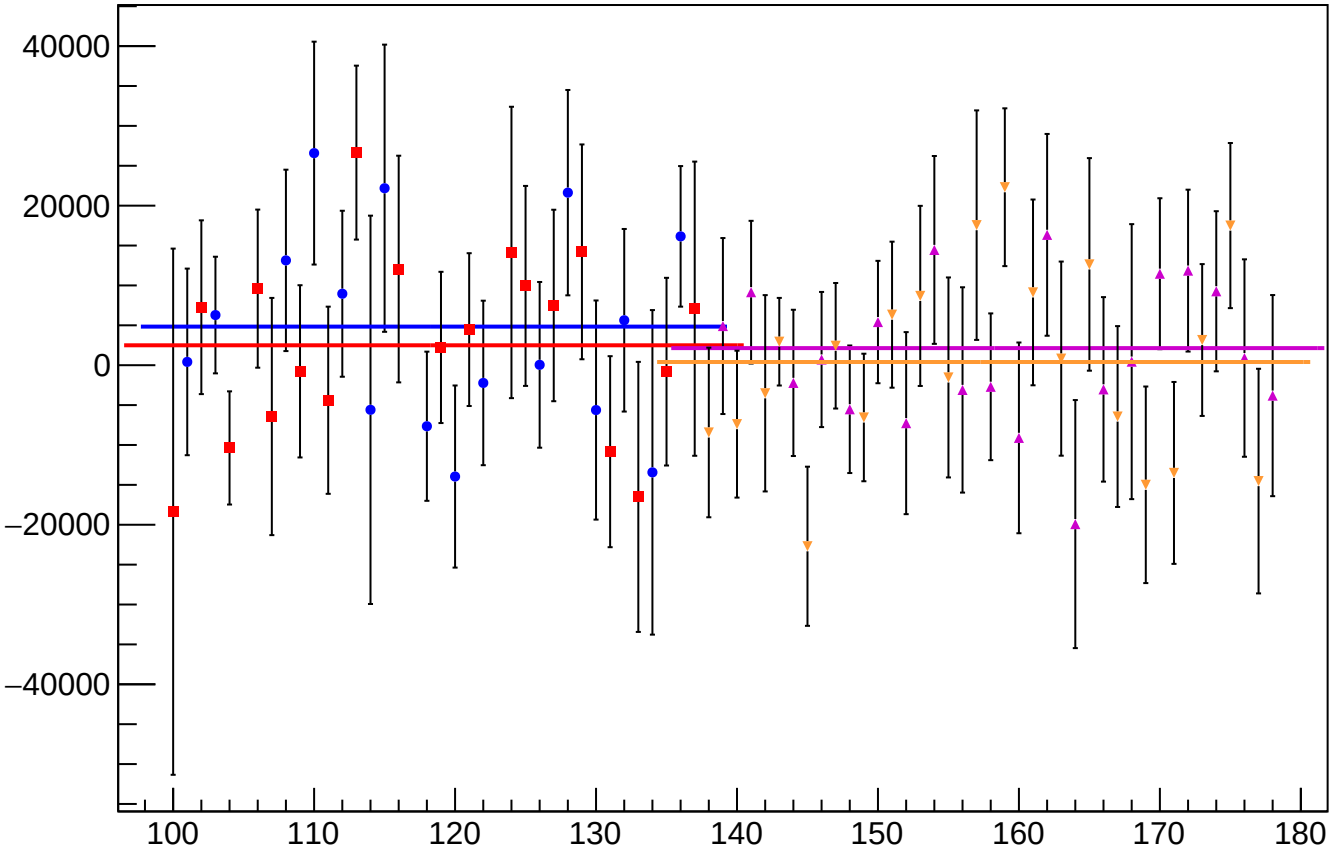
Right: 7044.596+/-1.327 χ^2/NDF: 1102651.2/34

In: 8578.820+/-1.283 χ^2/NDF:2107648.7/35

Out: 7876.582+/-1.180 χ^2/NDF:3279504.1/39

All: 8198.311+/-0.868 χ^2/NDF: 5549475.0/75

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: 2141.529+/-2332.489 χ^2/NDF:11.2/19

Left: 1212.027+/-1592.072 χ^2/NDF: 35.5/40

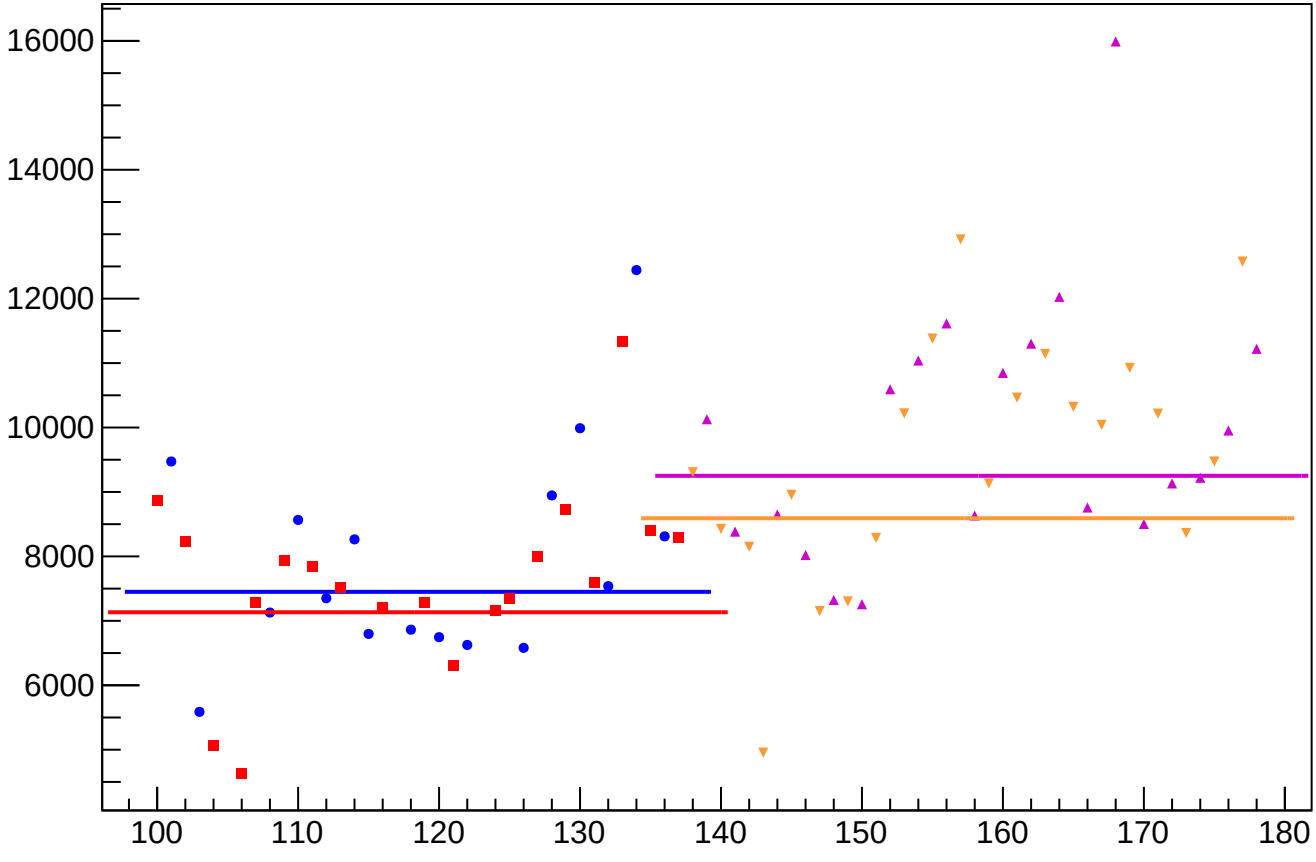
Right: 3610.318+/-1951.480 χ^2/NDF: 29.6/34

In: 3232.720+/-1799.647 χ^2/NDF:26.1/35

Out: 1228.800+/-1694.312 χ^2/NDF:39.3/39

All: 2170.401+/-1233.618 χ^2/NDF: 66.0/75

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: 9251.001+/-1.649 χ^2/NDF:1013238.3/19

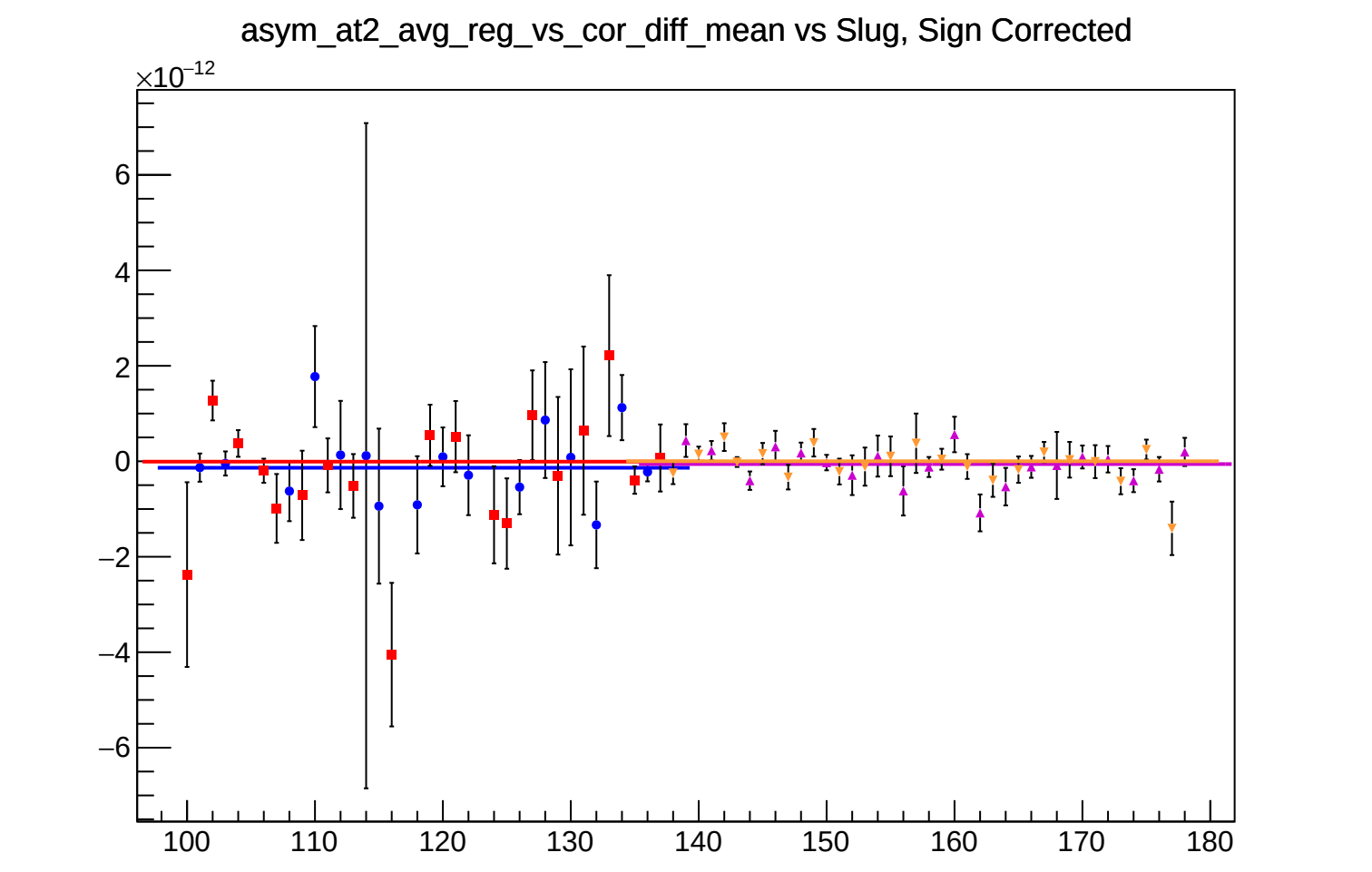
Left: 8898.988+/-1.126 χ^2/NDF: 2934131.0/40

Right: 7283.894+/-1.380 χ^2/NDF: 1056573.7/34

In: 8522.121+/-1.273 χ^2/NDF:1982240.2/35

Out: 8015.516+/-1.198 χ^2/NDF:2746980.0/39

All: 8253.554+/-0.872 χ^2/NDF: 4813239.9/75



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:26.2/19

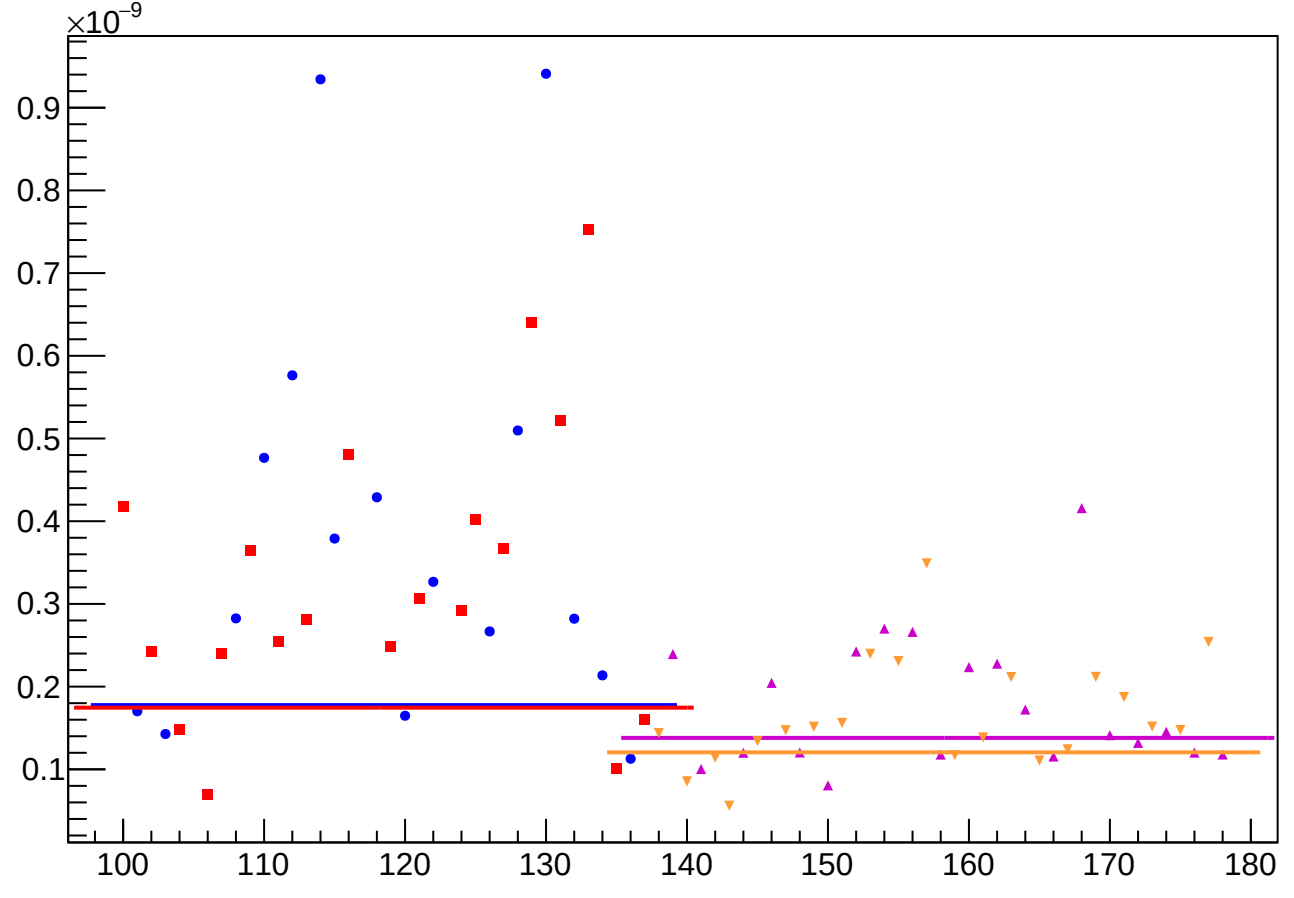
Left: -0.000+/-0.000 χ^2/NDF: 49.7/40

Right: -0.000+/-0.000 χ^2/NDF: 44.9/34

In: -0.000+/-0.000 χ^2/NDF:38.2/35

Out: -0.000+/-0.000 χ^2/NDF:55.7/39

All: -0.000+/-0.000 χ^2/NDF: 94.9/75



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:1646839.7/19

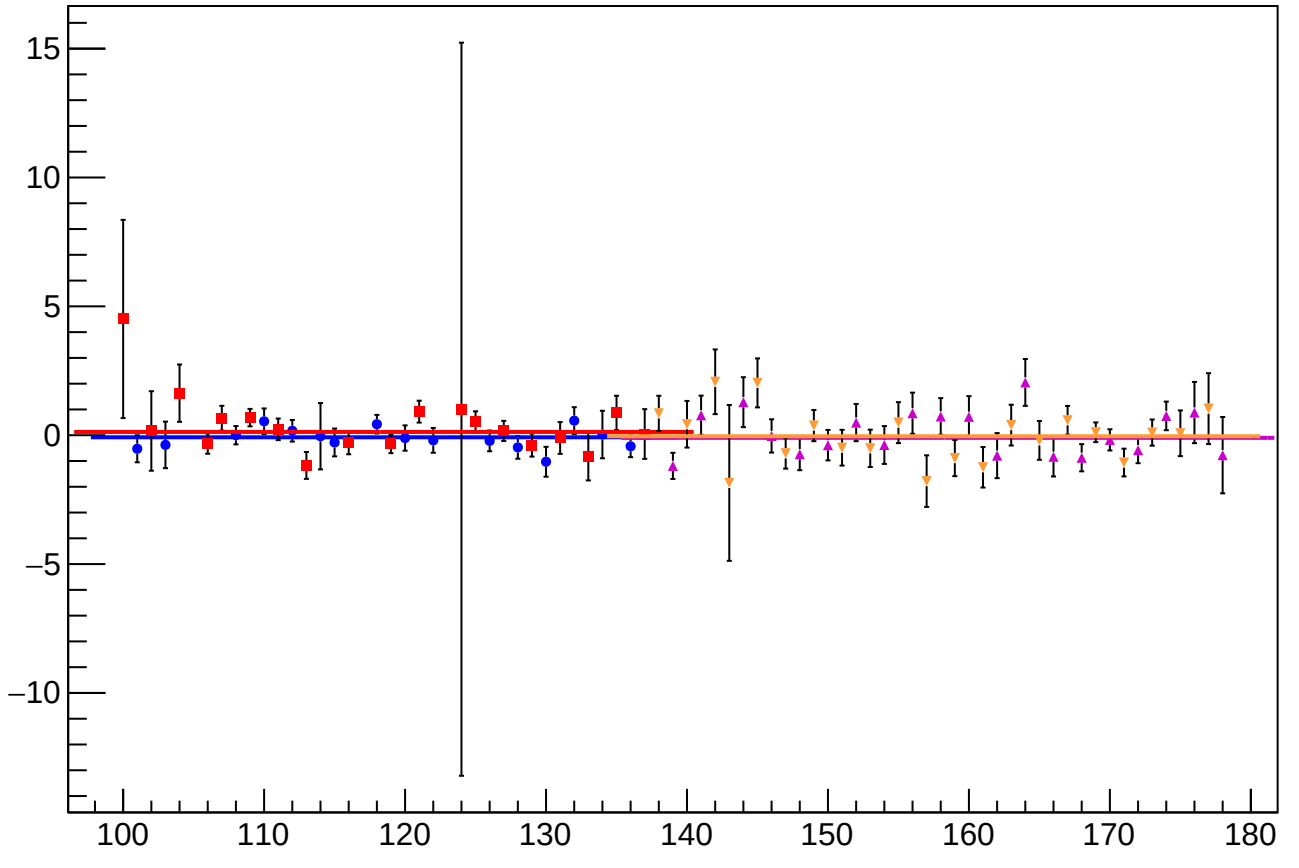
Left: 0.000+/-0.000 χ^2/NDF: 3835941.3/40

Right: 0.000+/-0.000 χ^2/NDF: 3172068.5/34

In: 0.000+/-0.000 χ^2/NDF:3352313.6/35

Out: 0.000+/-0.000 χ^2/NDF:4060220.5/39

All: 0.000+/-0.000 χ^2/NDF: 7527732.0/75



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: -0.101+/-0.148 χ^2/NDF:27.3/19

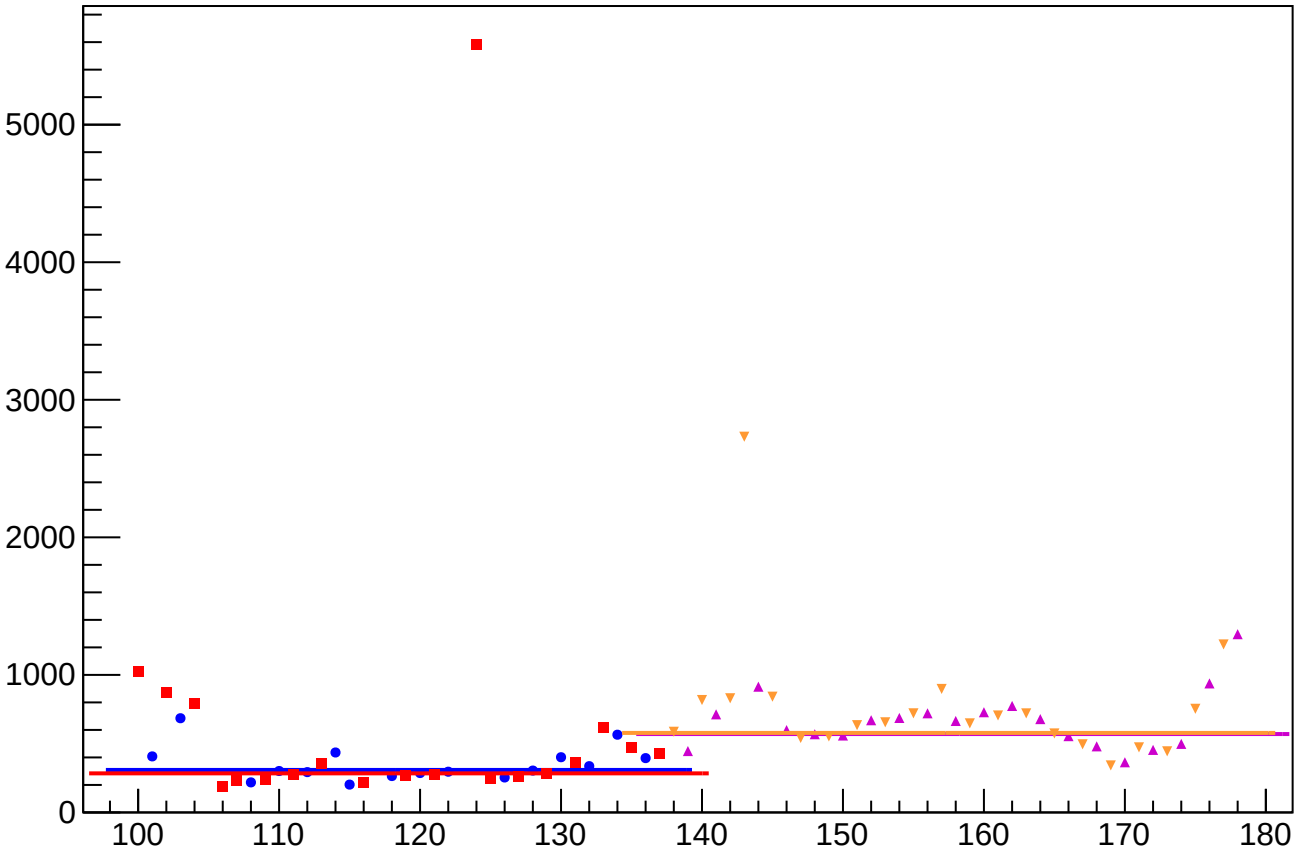
Left: -0.071+/-0.106 χ^2/NDF: 53.2/40

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.088+/-0.094 χ^2/NDF:38.1/35

Out: 0.065+/-0.093 χ^2/NDF:51.8/39

All: -0.010+/-0.066 χ^2/NDF: 91.2/75



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: 569.992+/-0.105 χ^2/NDF:2225928.8/19

Left: 574.039+/-0.075 χ^2/NDF: 5607078.6/40

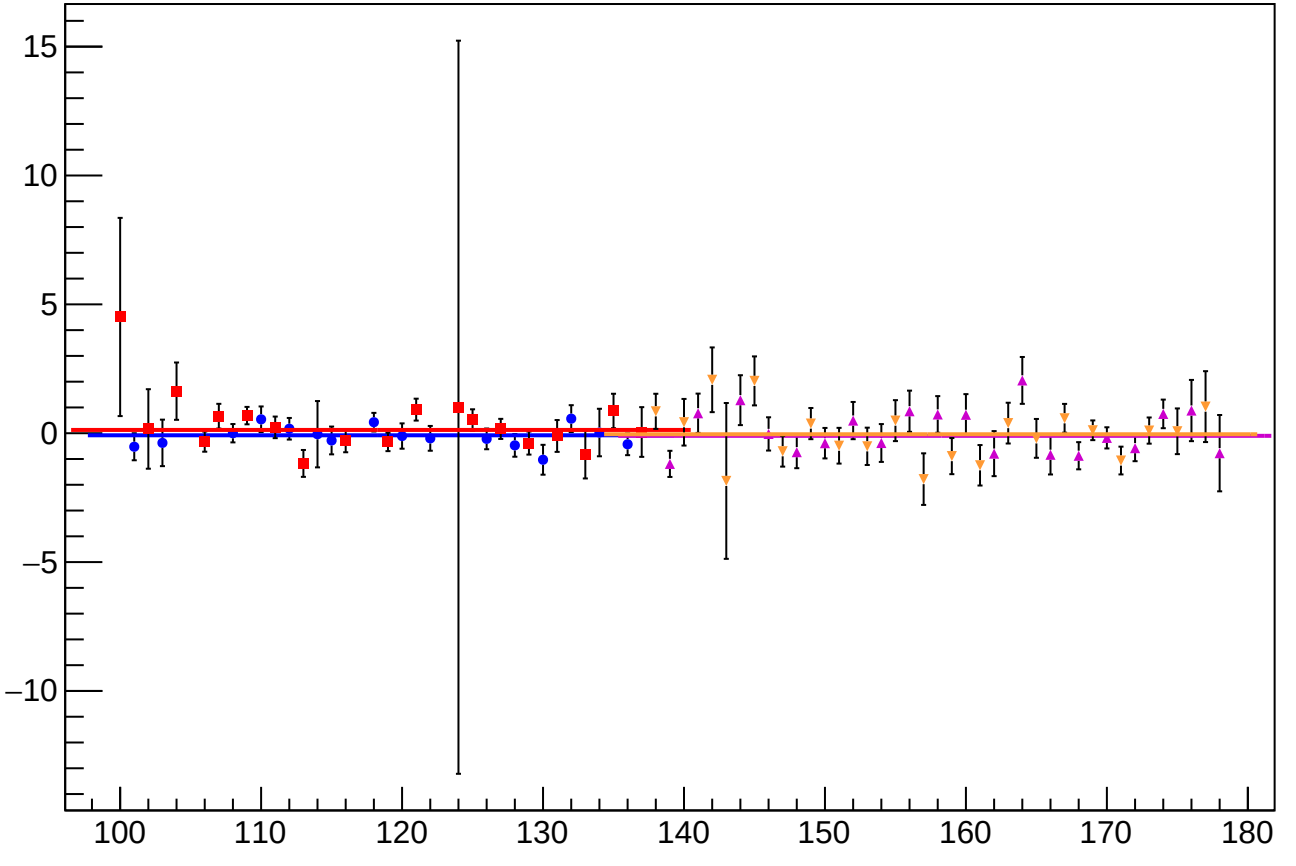
Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 414.220+/-0.067 χ^2/NDF:6934122.8/35

Out: 393.873+/-0.065 χ^2/NDF:9954391.2/39

All: 403.873+/-0.047 χ^2/NDF: 16935998.9/75

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.040+/-0.152 χ^2/NDF:25.7/20

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.101+/-0.148 χ^2/NDF:27.3/19

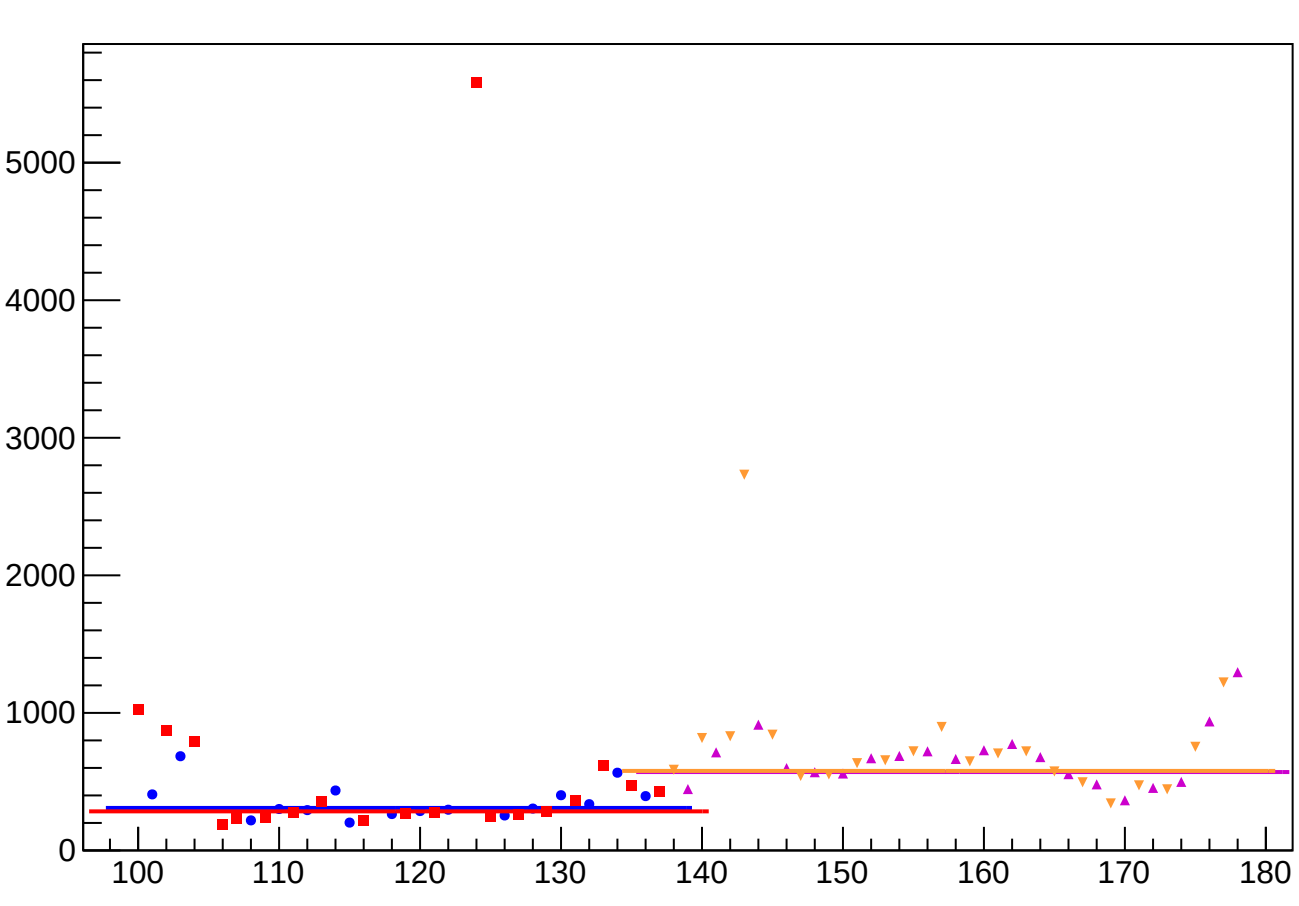
Left: -0.071+/-0.106 χ^2/NDF: 53.2/40

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.088+/-0.094 χ^2/NDF:38.1/35

Out: 0.065+/-0.093 χ^2/NDF:51.8/39

All: -0.010+/-0.066 χ^2/NDF: 91.2/75



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: 569.992+/-0.105 χ^2/NDF:2225928.8/19

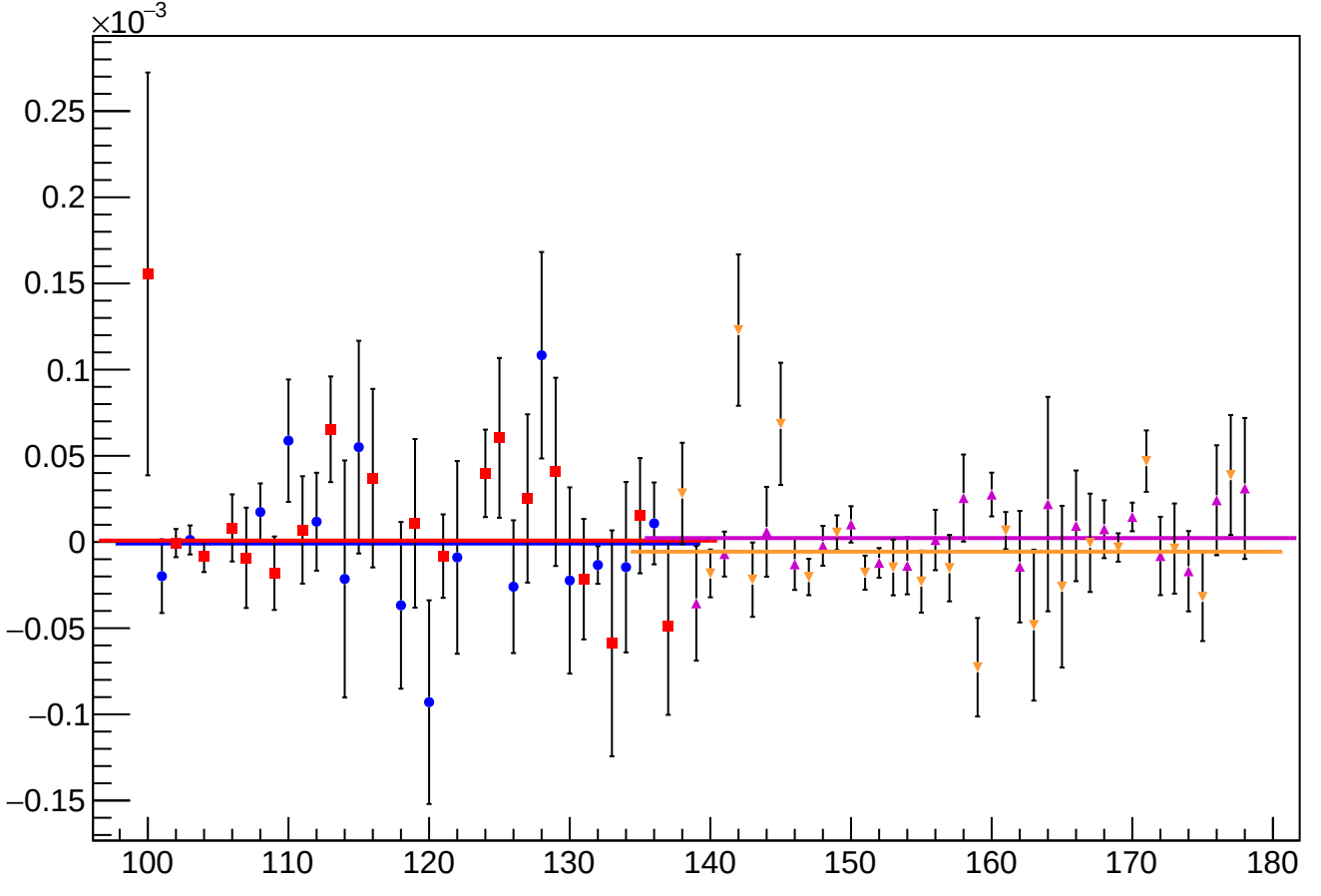
Left: 574.039+/-0.075 χ^2/NDF: 5607078.6/40

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 414.220+/-0.067 χ^2/NDF:6934122.8/35

Out: 393.873+/-0.065 χ^2/NDF:9954391.2/39

All: 403.873+/-0.047 χ^2/NDF: 16935998.9/75



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:16.7/19

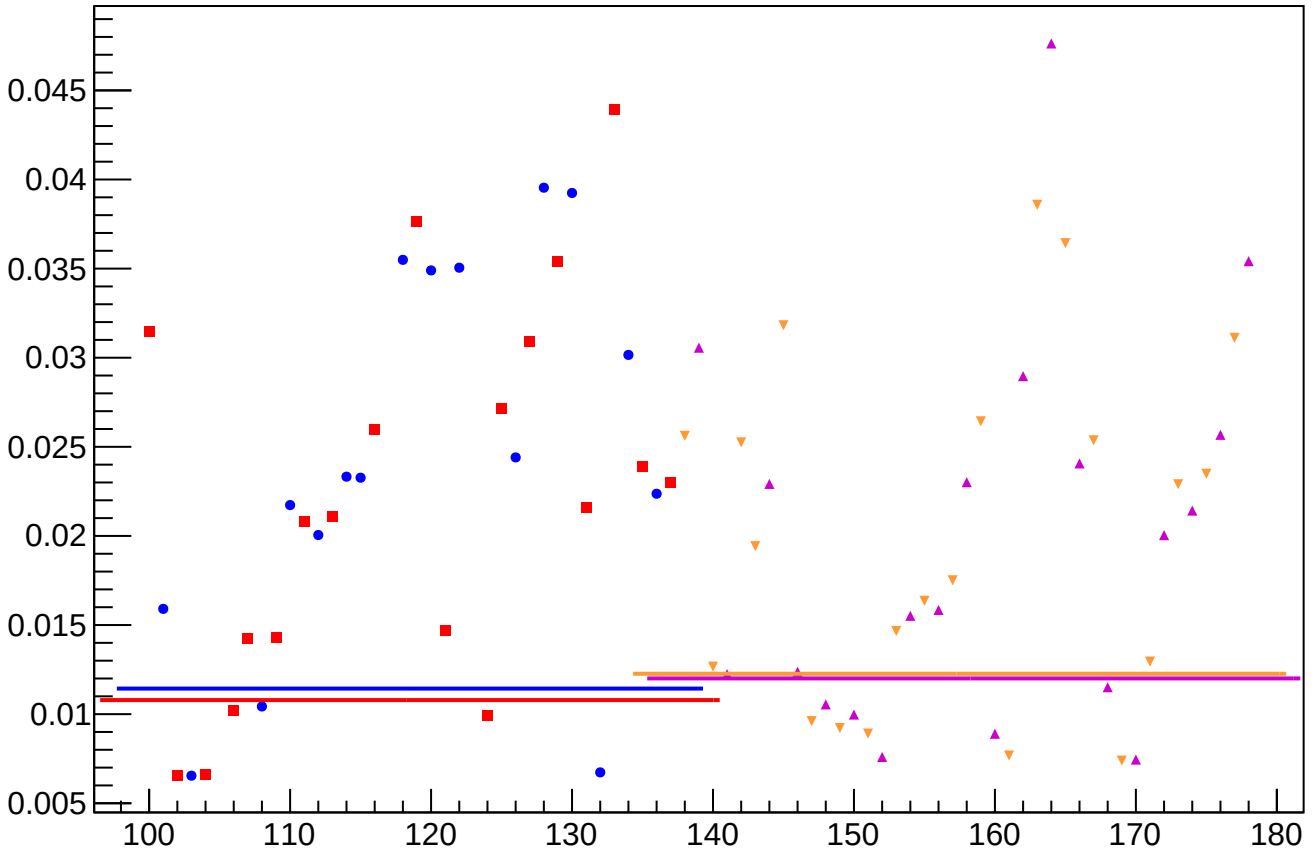
Left: -0.000+/-0.000 χ^2/NDF: 60.5/40

Right: 0.000+/-0.000 χ^2/NDF: 30.7/34

In: 0.000+/-0.000 χ^2/NDF:31.5/35

Out: -0.000+/-0.000 χ^2/NDF:58.5/39

All: -0.000+/-0.000 χ^2/NDF: 91.4/75



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:5986719.4/19

Left: 0.012+/-0.000 χ^2/NDF: 12778457.5/40

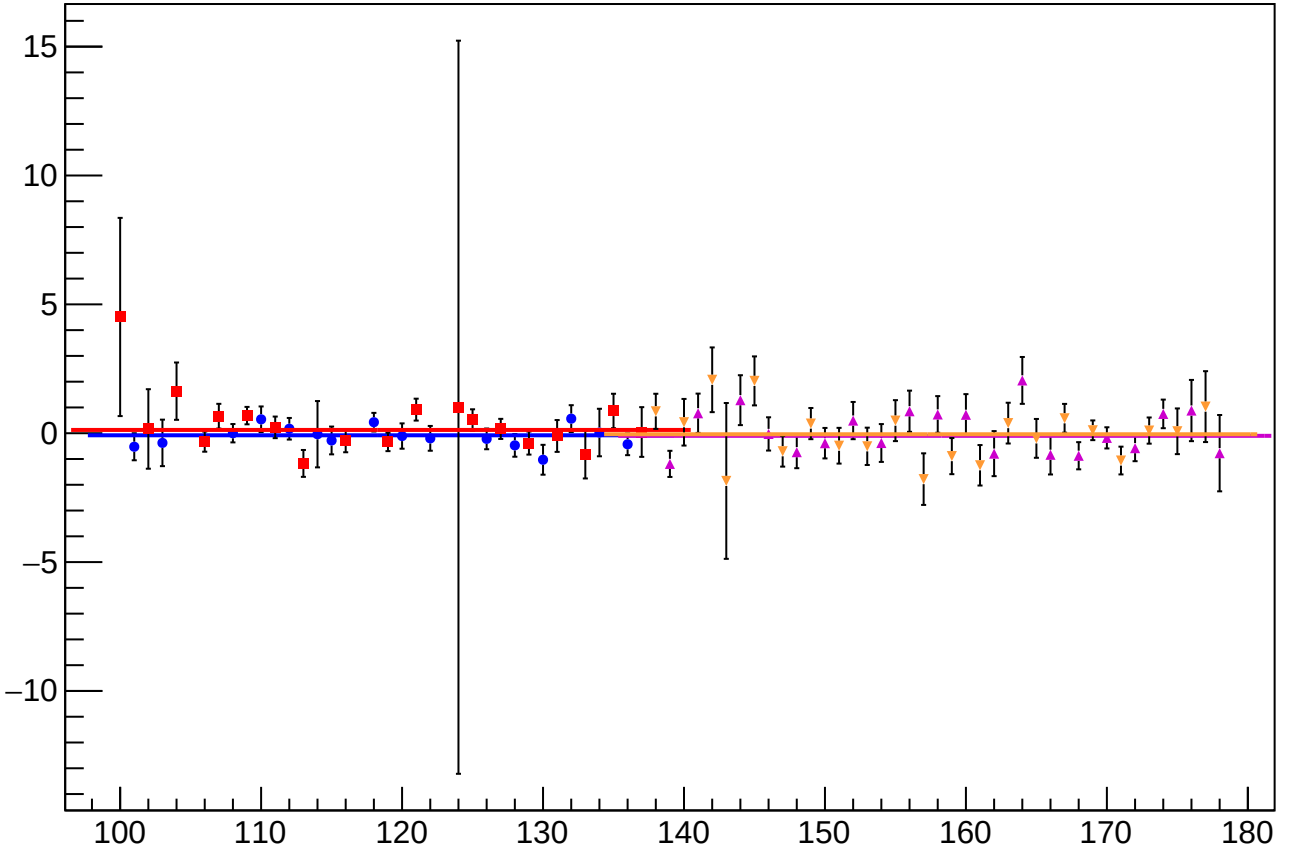
Right: 0.011+/-0.000 χ^2/NDF: 9189725.1/34

In: 0.012+/-0.000 χ^2/NDF:10702775.1/35

Out: 0.012+/-0.000 χ^2/NDF:11382378.3/39

All: 0.012+/-0.000 χ^2/NDF: 22085794.0/75

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.040+/-0.152 χ^2/NDF:25.7/20

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.101+/-0.148 χ^2/NDF:27.3/19

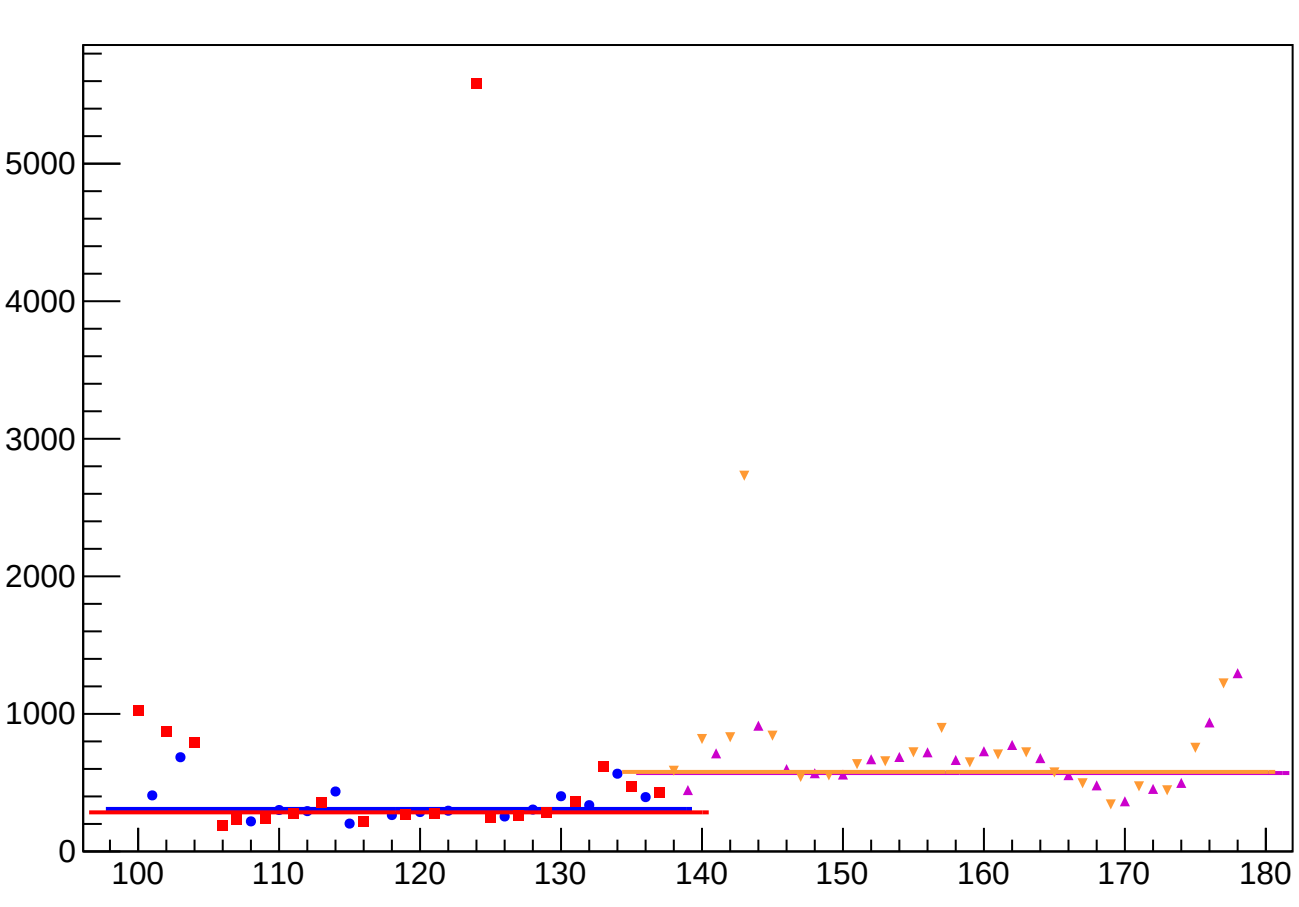
Left: -0.071+/-0.106 χ^2/NDF: 53.2/40

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.088+/-0.094 χ^2/NDF:38.1/35

Out: 0.065+/-0.093 χ^2/NDF:51.8/39

All: -0.010+/-0.066 χ^2/NDF: 91.2/75



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: 569.994+/-0.105 χ^2/NDF:2226038.3/19

Left: 574.041+/-0.075 χ^2/NDF: 5607351.4/40

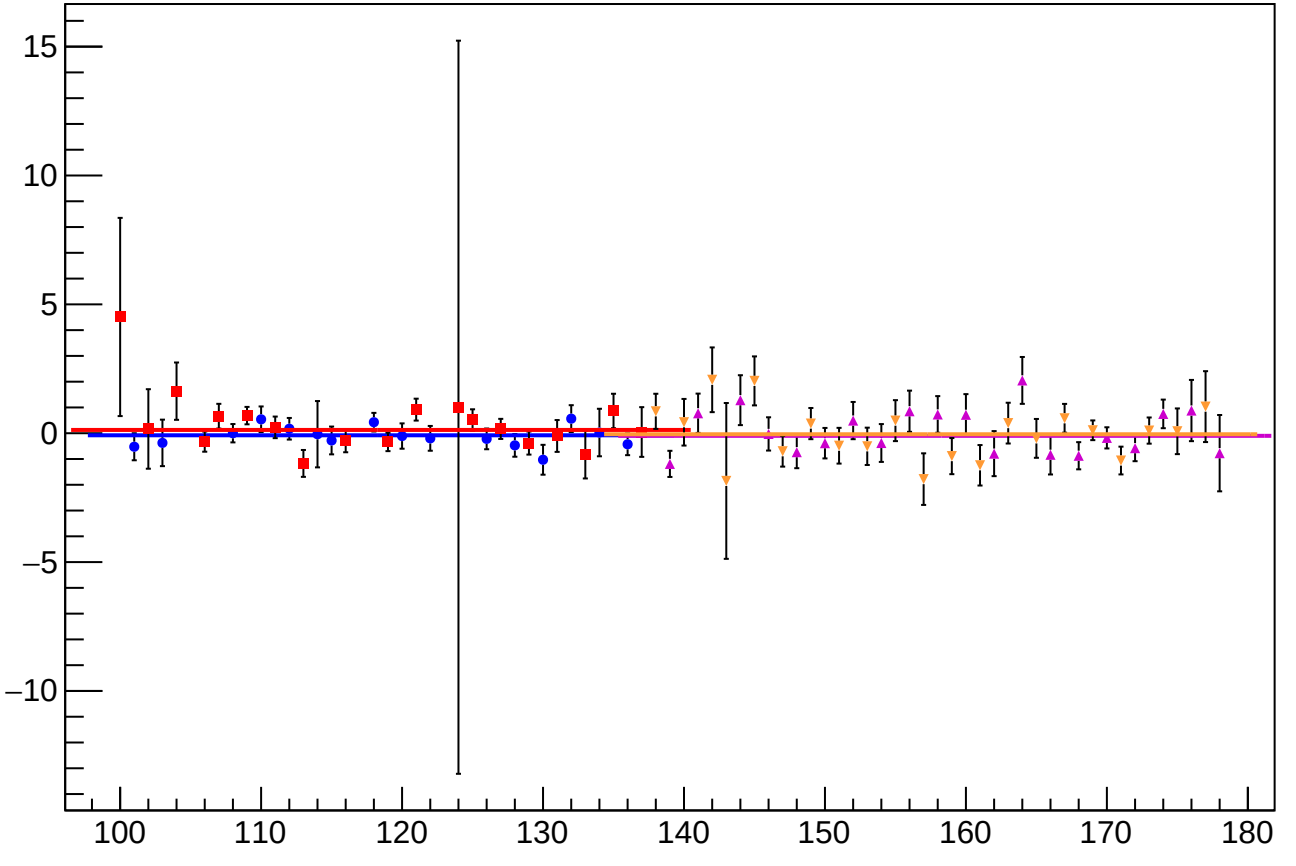
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 414.219+/-0.067 χ^2/NDF:6934276.8/35

Out: 393.872+/-0.065 χ^2/NDF:9954551.5/39

All: 403.872+/-0.047 χ^2/NDF: 16936315.9/75

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: -0.101+/-0.148 χ^2/NDF:27.3/19

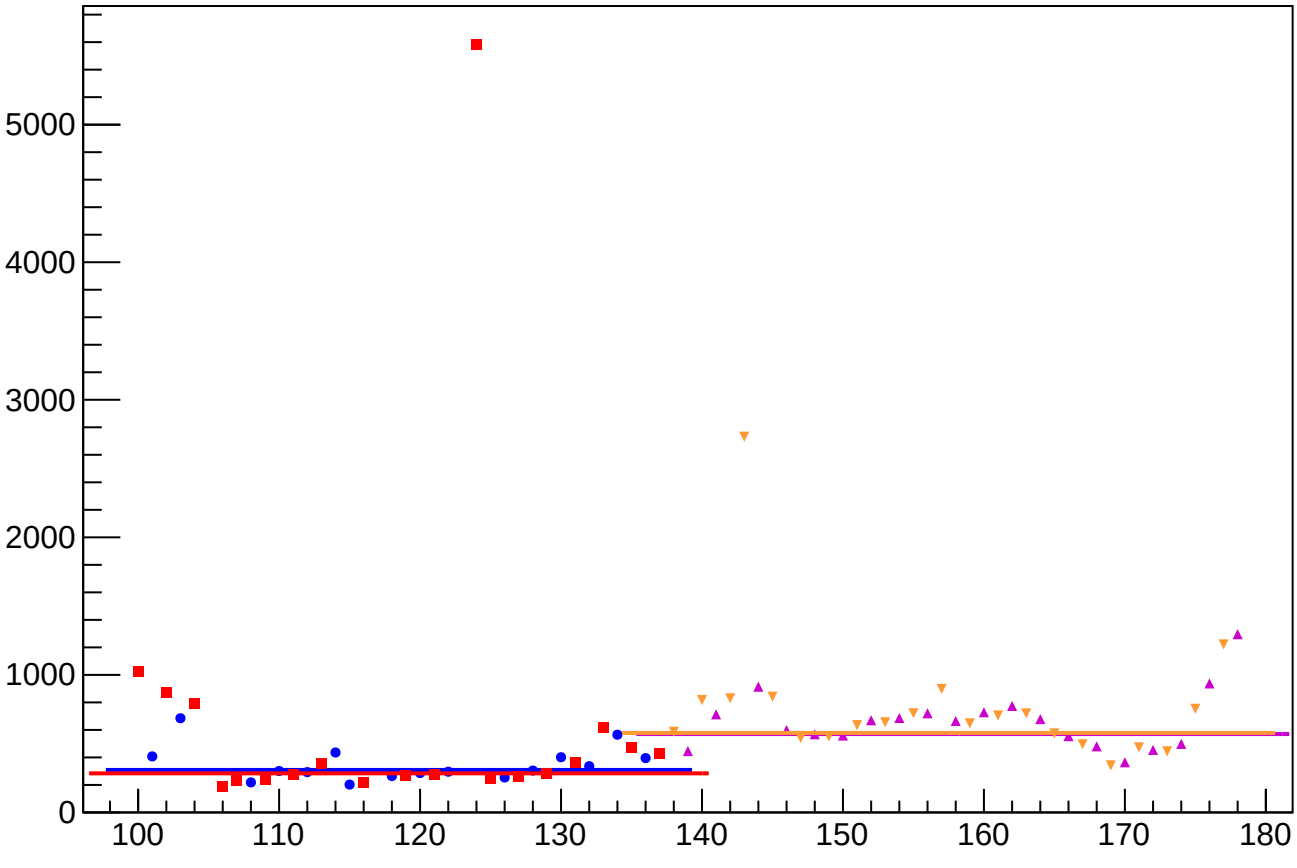
Left: -0.071+/-0.106 χ^2/NDF: 53.2/40

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.088+/-0.094 χ^2/NDF:38.1/35

Out: 0.065+/-0.093 χ^2/NDF:51.8/39

All: -0.010+/-0.066 χ^2/NDF: 91.2/75



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: 569.994+/-0.105 χ^2/NDF:2226038.3/19

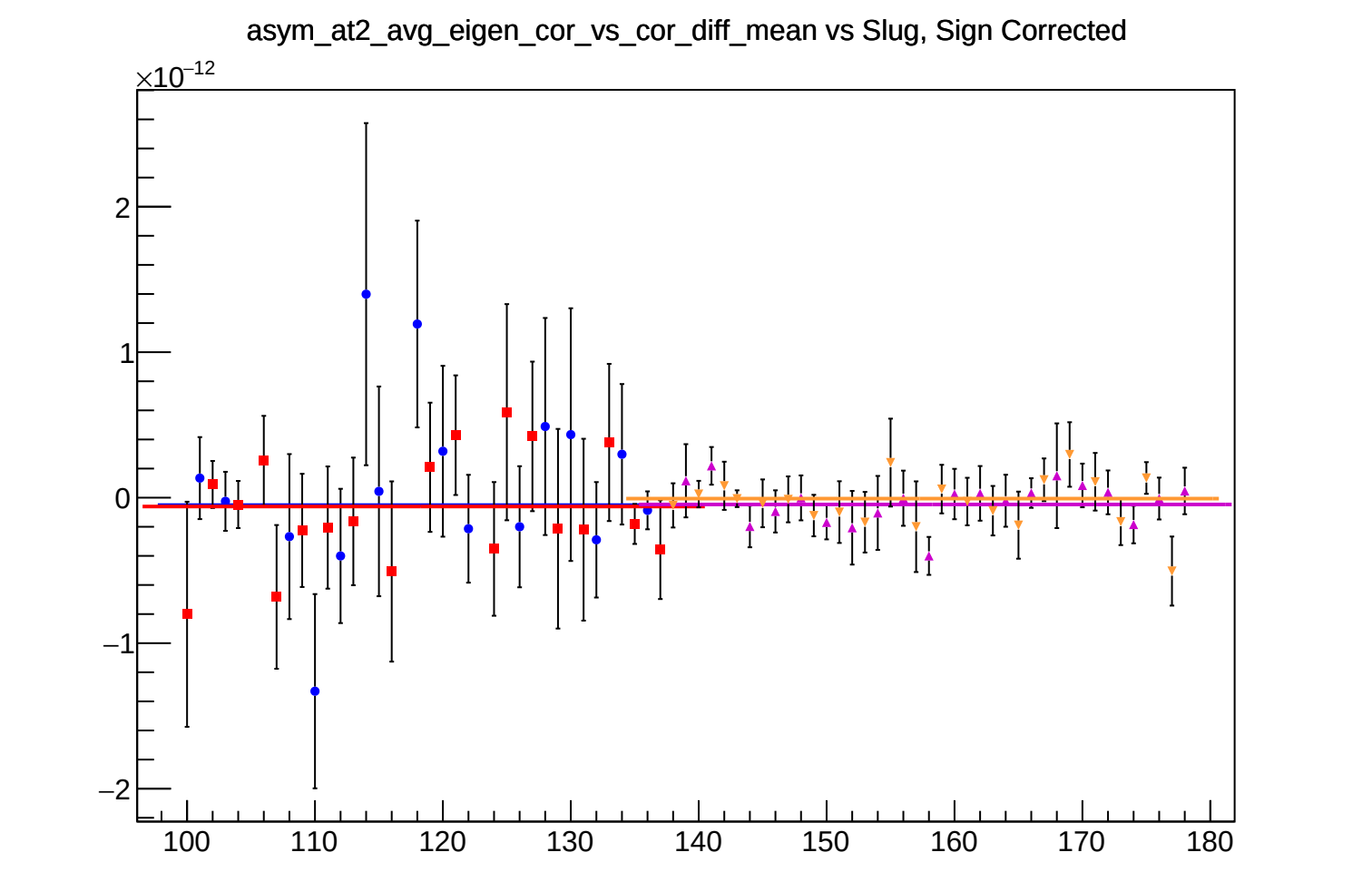
Left: 574.041+/-0.075 χ^2/NDF: 5607351.4/40

Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 414.219+/-0.067 χ^2/NDF:6934276.8/35

Out: 393.872+/-0.065 χ^2/NDF:9954551.5/39

All: 403.872+/-0.047 χ^2/NDF: 16936315.9/75



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:18.8/19

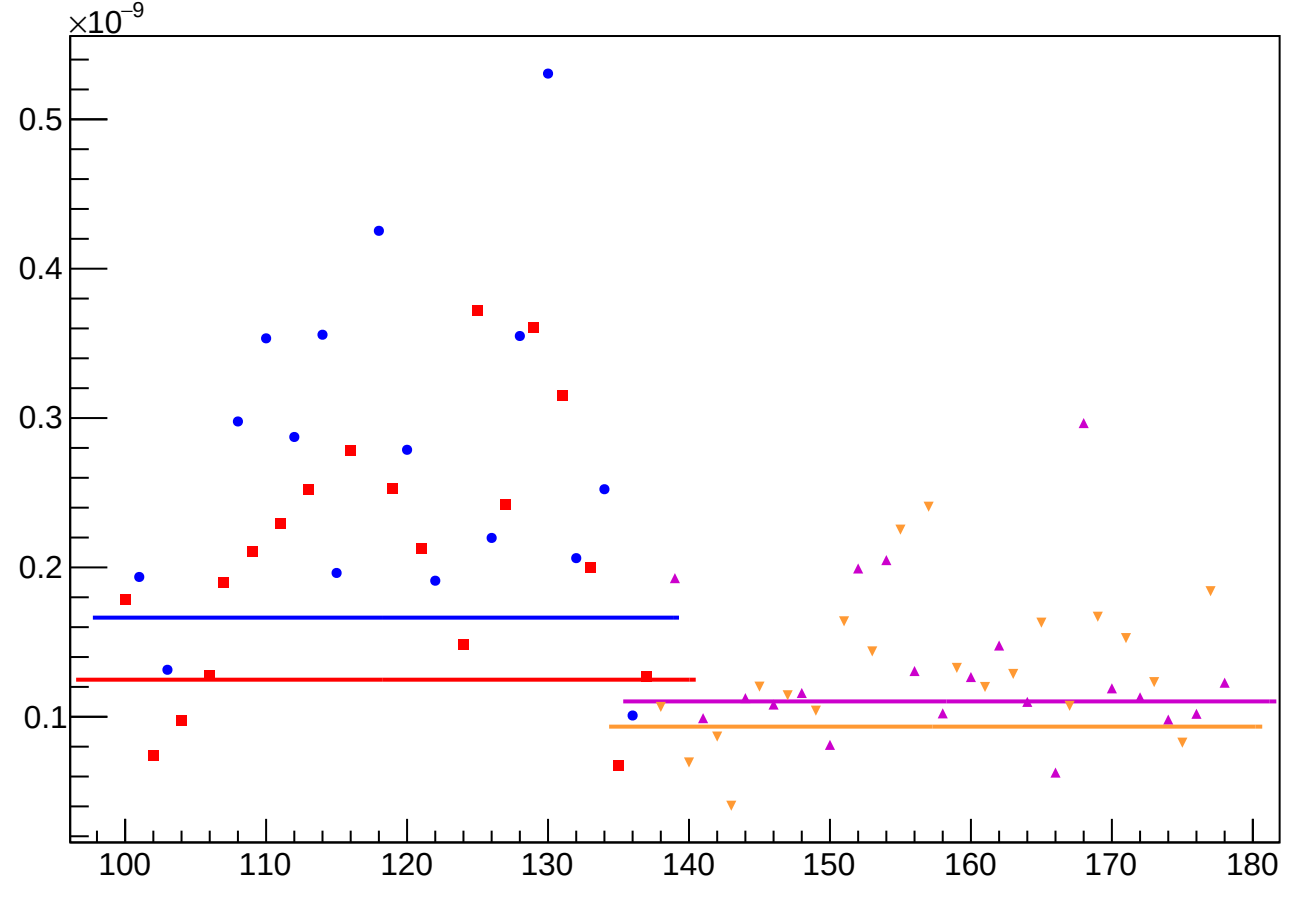
Left: -0.000+/-0.000 χ^2/NDF: 33.6/40

Right: -0.000+/-0.000 χ^2/NDF: 23.4/34

In: -0.000+/-0.000 χ^2/NDF:30.7/35

Out: -0.000+/-0.000 χ^2/NDF:26.1/39

All: -0.000+/-0.000 χ^2/NDF: 57.4/75



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:2029419.9/19

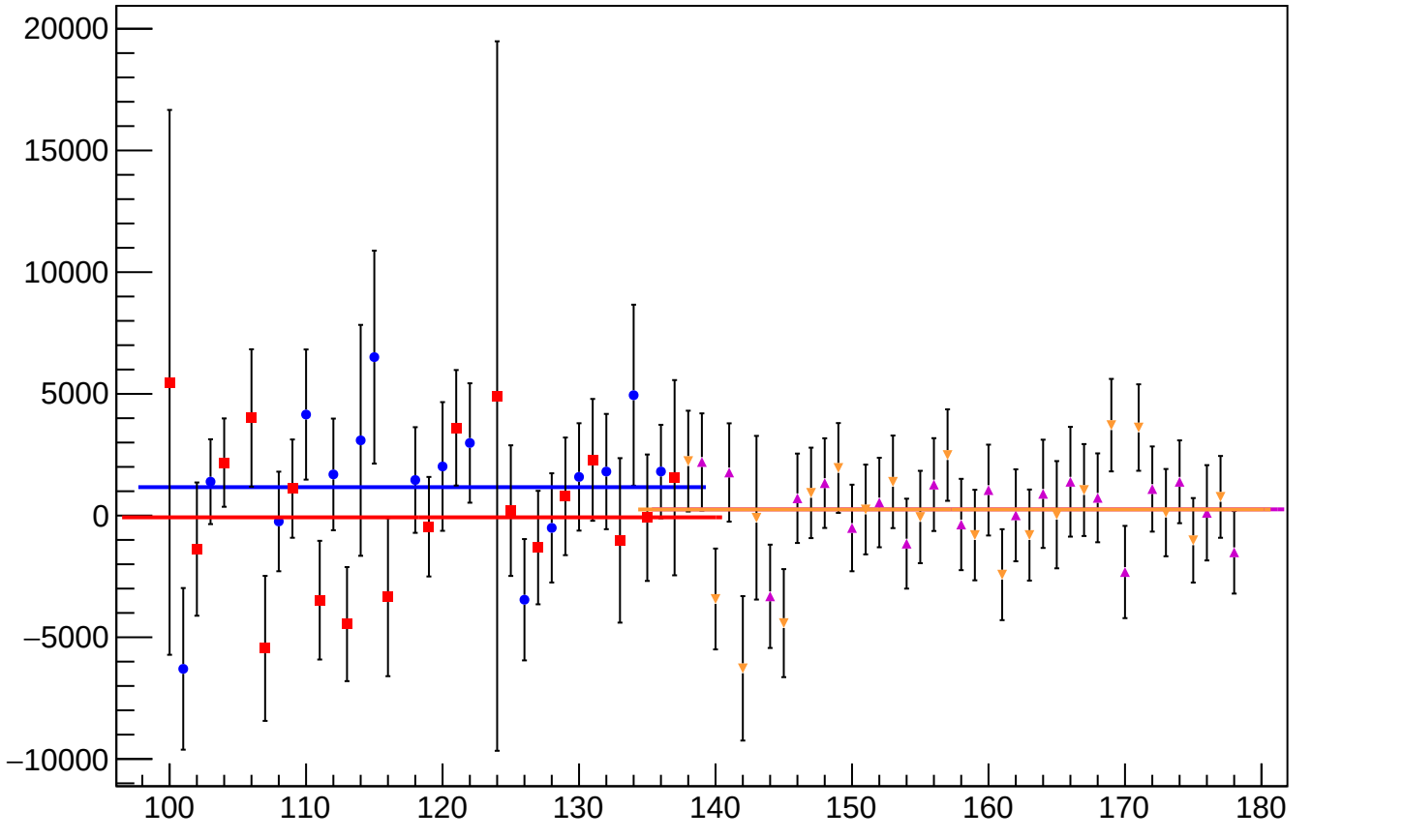
Left: 0.000+/-0.000 χ^2/NDF: 6633614.6/40

Right: 0.000+/-0.000 χ^2/NDF: 4480530.9/34

In: 0.000+/-0.000 χ^2/NDF:4769190.5/35

Out: 0.000+/-0.000 χ^2/NDF:6885158.6/39

All: 0.000+/-0.000 χ^2/NDF: 12086831.4/75



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: 255.636+/-422.612 χ^2/NDF:10.1/19

Left: 253.265+/-299.814 χ^2/NDF: 36.7/40

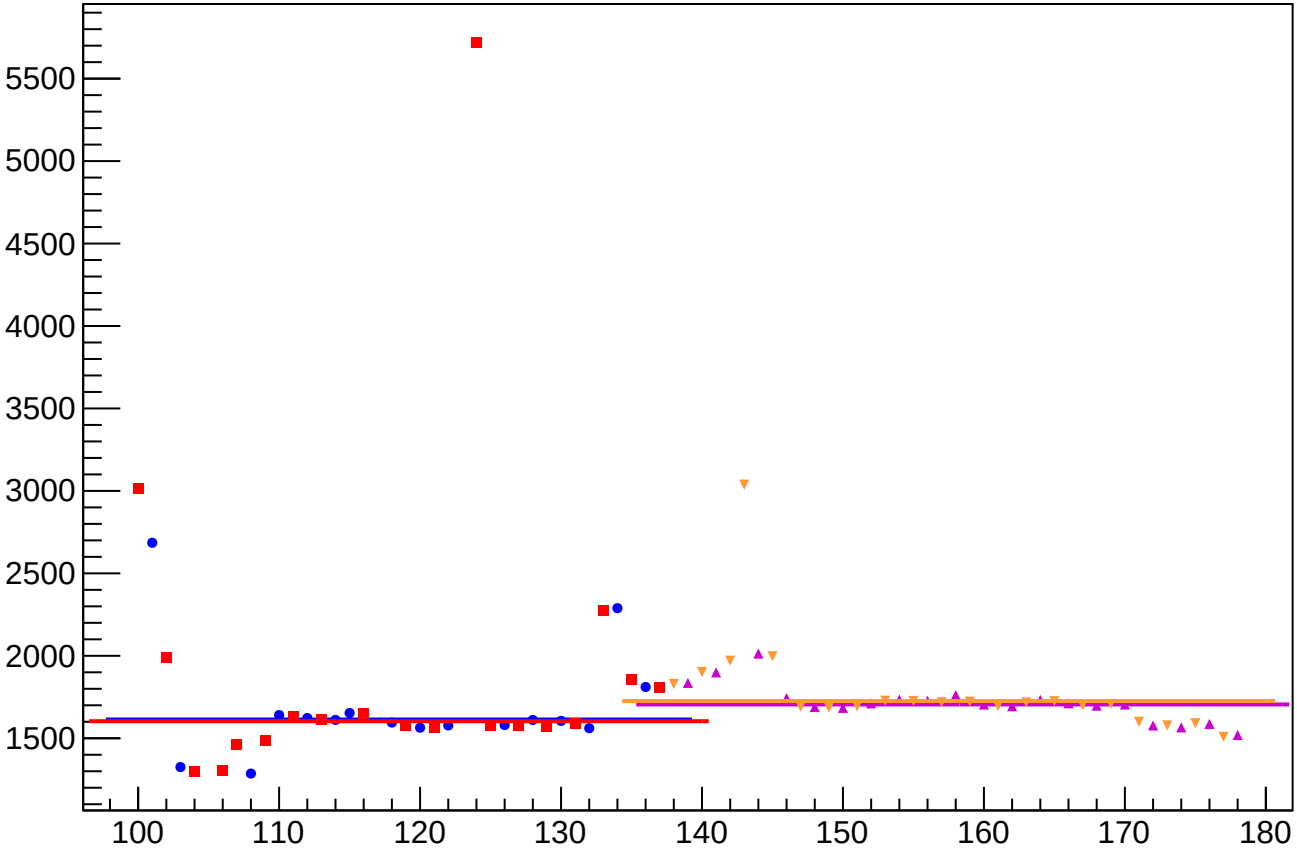
Right: 541.404+/-428.680 χ^2/NDF: 34.8/34

In: 551.704+/-347.234 χ^2/NDF:26.1/35

Out: 143.597+/-347.677 χ^2/NDF:45.0/39

All: 347.911+/-245.688 χ^2/NDF: 71.8/75

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: 1705.060+/-0.299 χ^2/NDF:128720.0/19

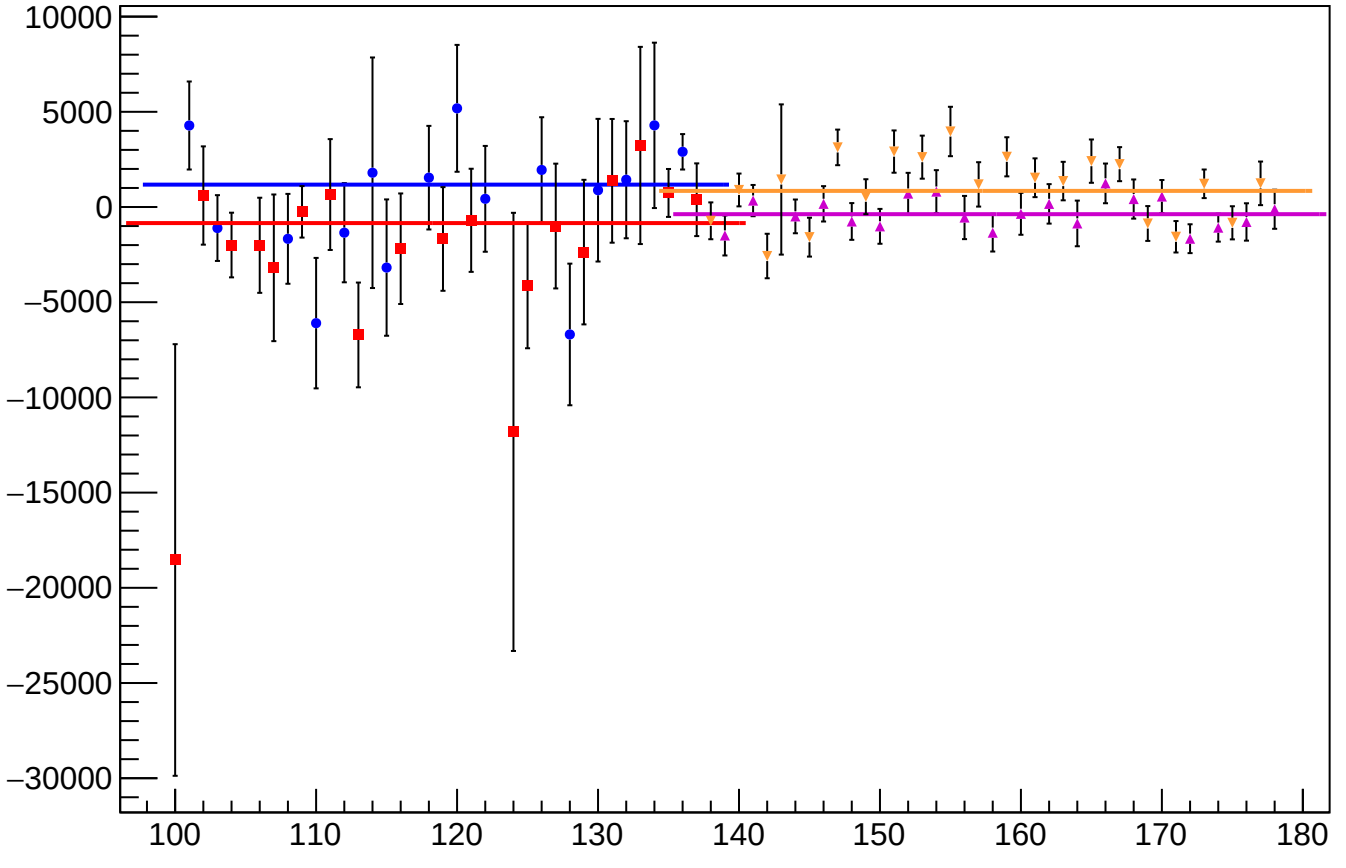
Left: 1715.347+/-0.212 χ^2/NDF: 571059.6/40

Right: 1608.520+/-0.303 χ^2/NDF: 830765.6/34

In: 1675.368+/-0.246 χ^2/NDF:563794.9/35

Out: 1685.159+/-0.246 χ^2/NDF:920640.5/39

All: 1680.257+/-0.174 χ^2/NDF: 1485229.5/75



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: -376.317+/-214.439 χ^2/NDF:14.6/19

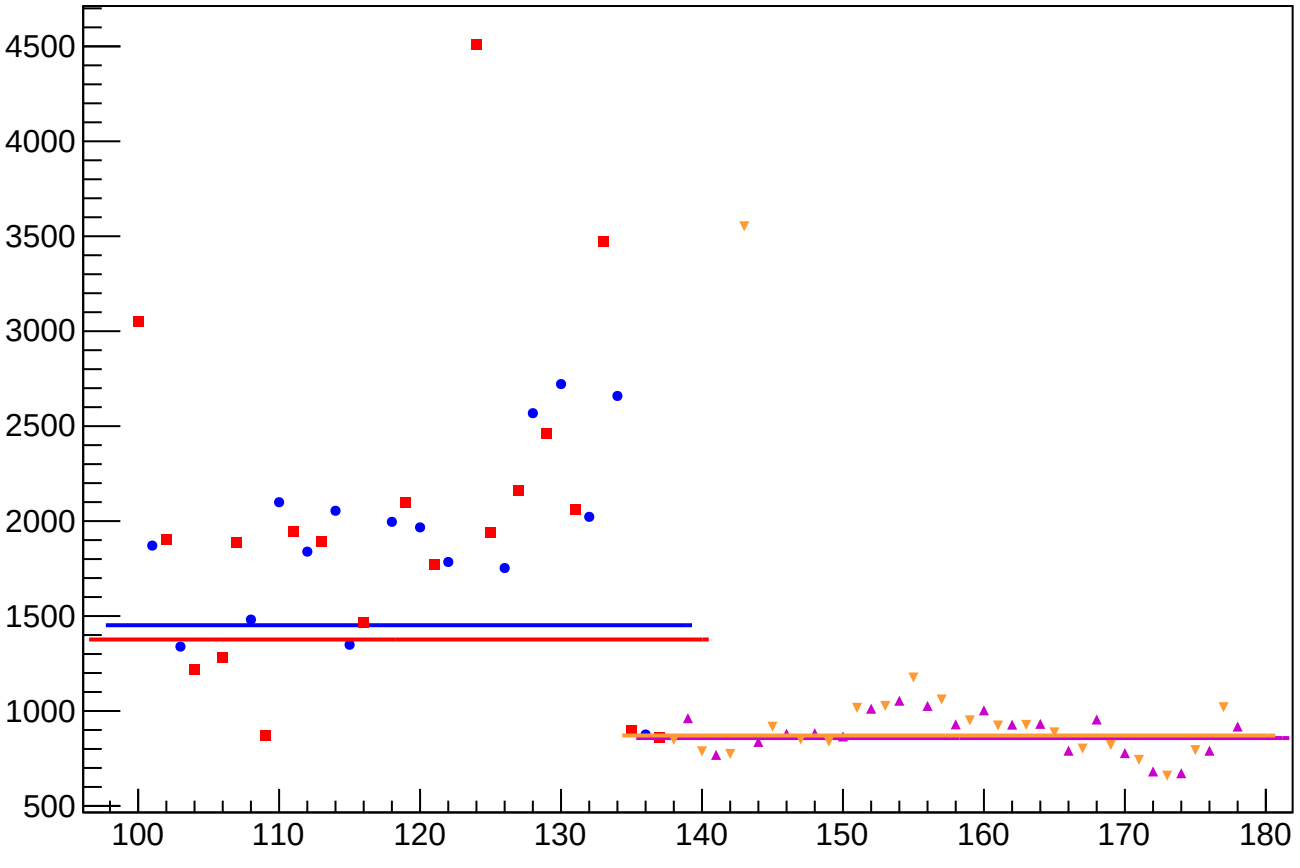
Left: 222.532+/-153.199 χ^2/NDF: 89.5/40

Right: 127.404+/-401.596 χ^2/NDF: 42.6/34

In: -189.171+/-201.093 χ^2/NDF:42.9/35

Out: 620.851+/-203.789 χ^2/NDF:81.2/39

All: 210.447+/-143.138 χ^2/NDF: 132.1/75



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: 857.362+/-0.152 χ^2/NDF:549824.3/19

Left: 864.000+/-0.108 χ^2/NDF: 2053101.4/40

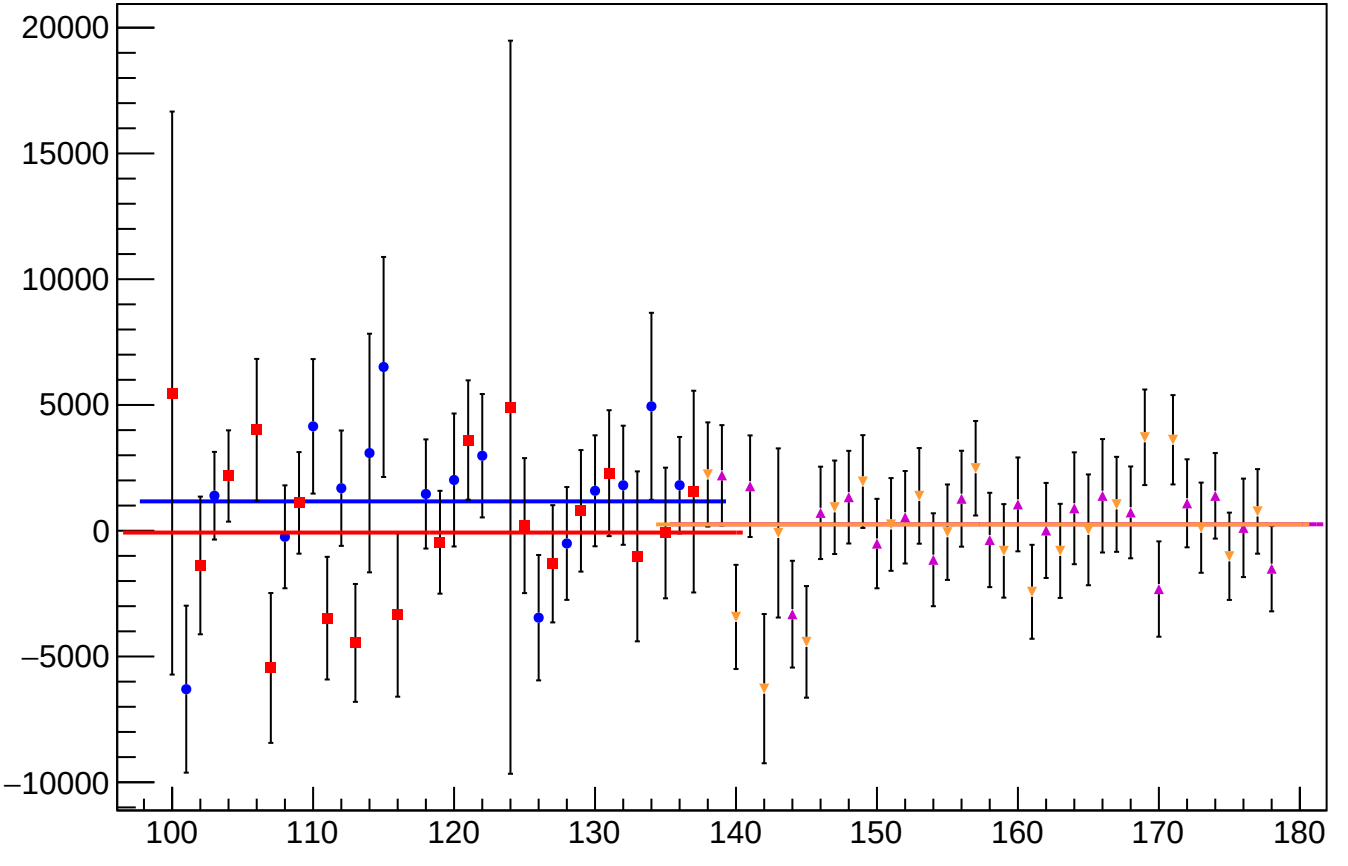
Right: 1412.621+/-0.284 χ^2/NDF: 3940379.2/34

In: 929.031+/-0.142 χ^2/NDF:4193052.2/35

Out: 938.486+/-0.144 χ^2/NDF:5056560.9/39

All: 933.695+/-0.101 χ^2/NDF: 9251794.3/75

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: 255.561+/-422.612 χ^2/NDF:10.1/19

Left: 253.204+/-299.814 χ^2/NDF: 36.7/40

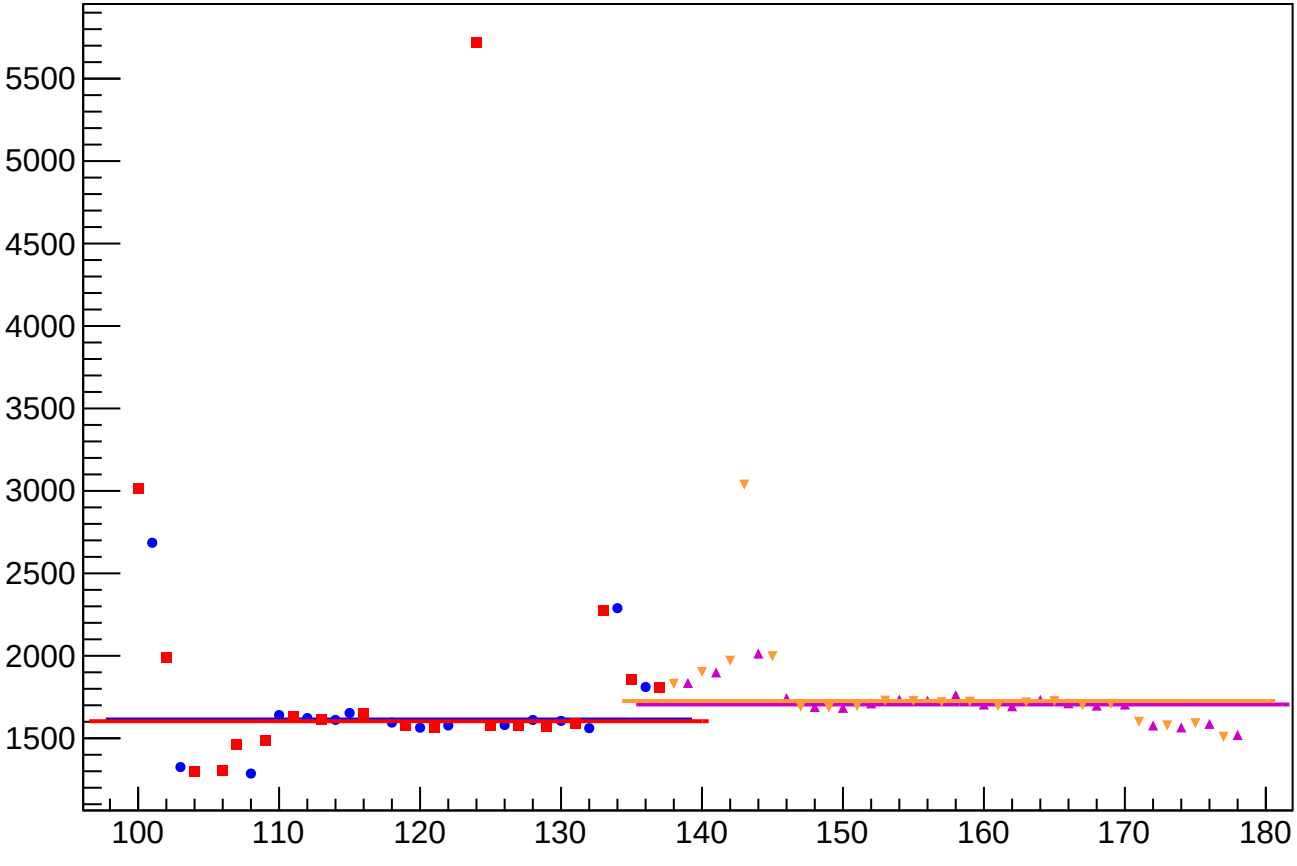
Right: 541.197+/-428.680 χ^2/NDF: 34.8/34

In: 551.624+/-347.234 χ^2/NDF:26.1/35

Out: 143.461+/-347.677 χ^2/NDF:45.0/39

All: 347.803+/-245.688 χ^2/NDF: 71.8/75

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: 1705.060+/-0.299 χ^2/NDF:128720.0/19

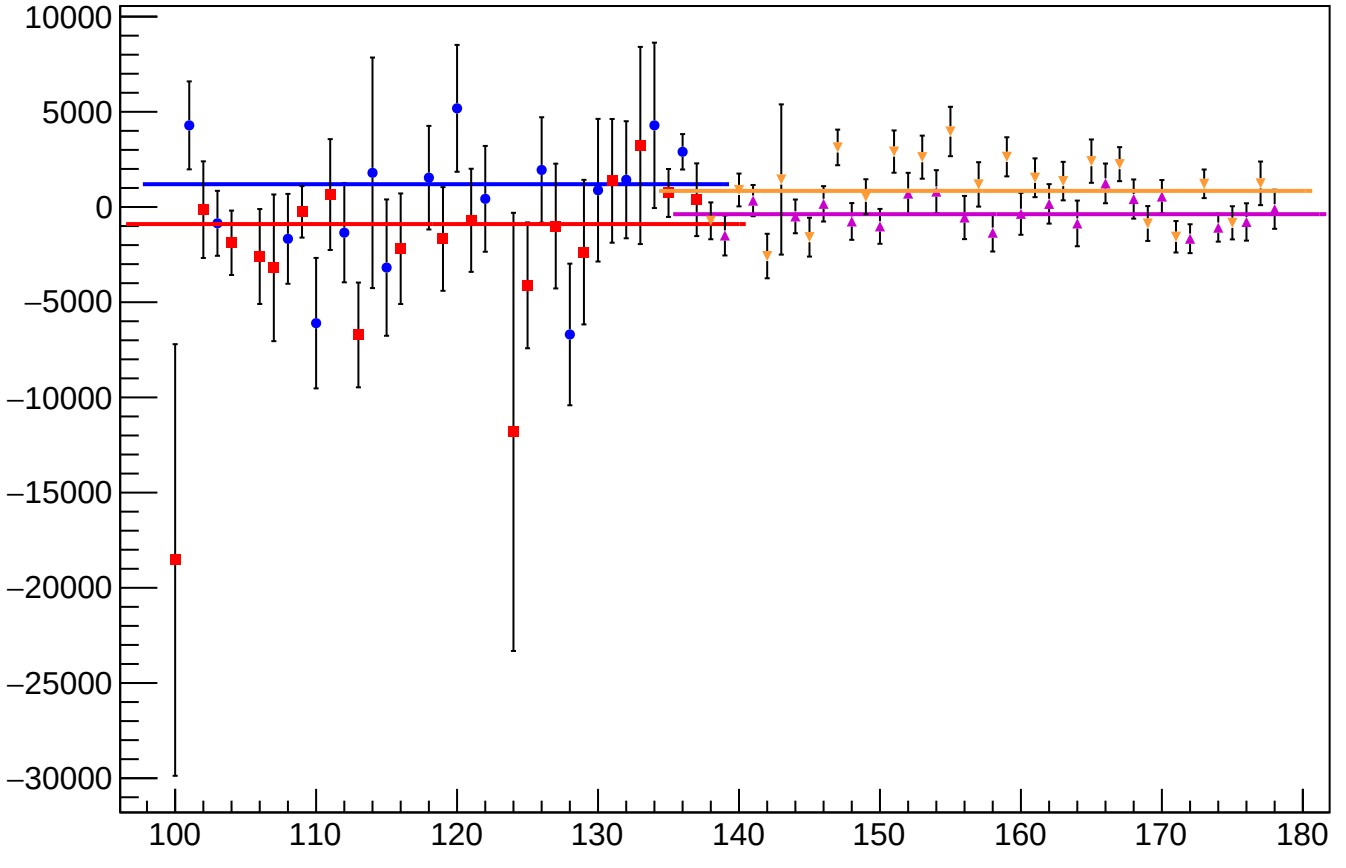
Left: 1715.347+/-0.212 χ^2/NDF: 571059.6/40

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1675.368+/-0.246 χ^2/NDF:563795.2/35

Out: 1685.159+/-0.246 χ^2/NDF:920640.7/39

All: 1680.257+/-0.174 χ^2/NDF: 1485230.0/75



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: -376.307+/-214.439 χ^2/NDF:14.6/19

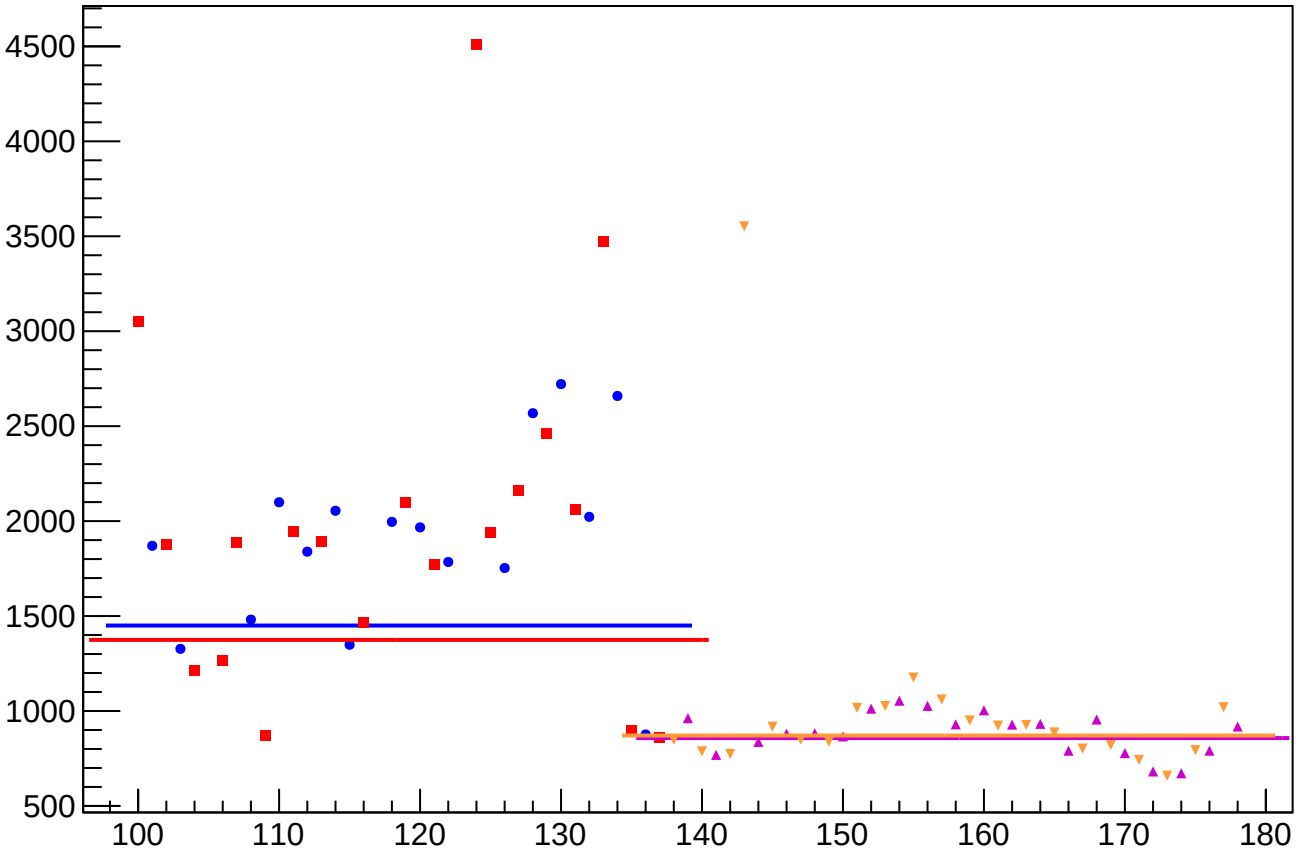
Left: 222.568+/-153.200 χ^2/NDF: 89.5/40

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: -185.931+/-201.059 χ^2/NDF:42.8/35

Out: 613.454+/-203.753 χ^2/NDF:81.7/39

All: 208.442+/-143.113 χ^2/NDF: 132.3/75



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: 857.363+/-0.152 χ^2/NDF:549839.0/19

Left: 864.005+/-0.108 χ^2/NDF: 2053043.2/40

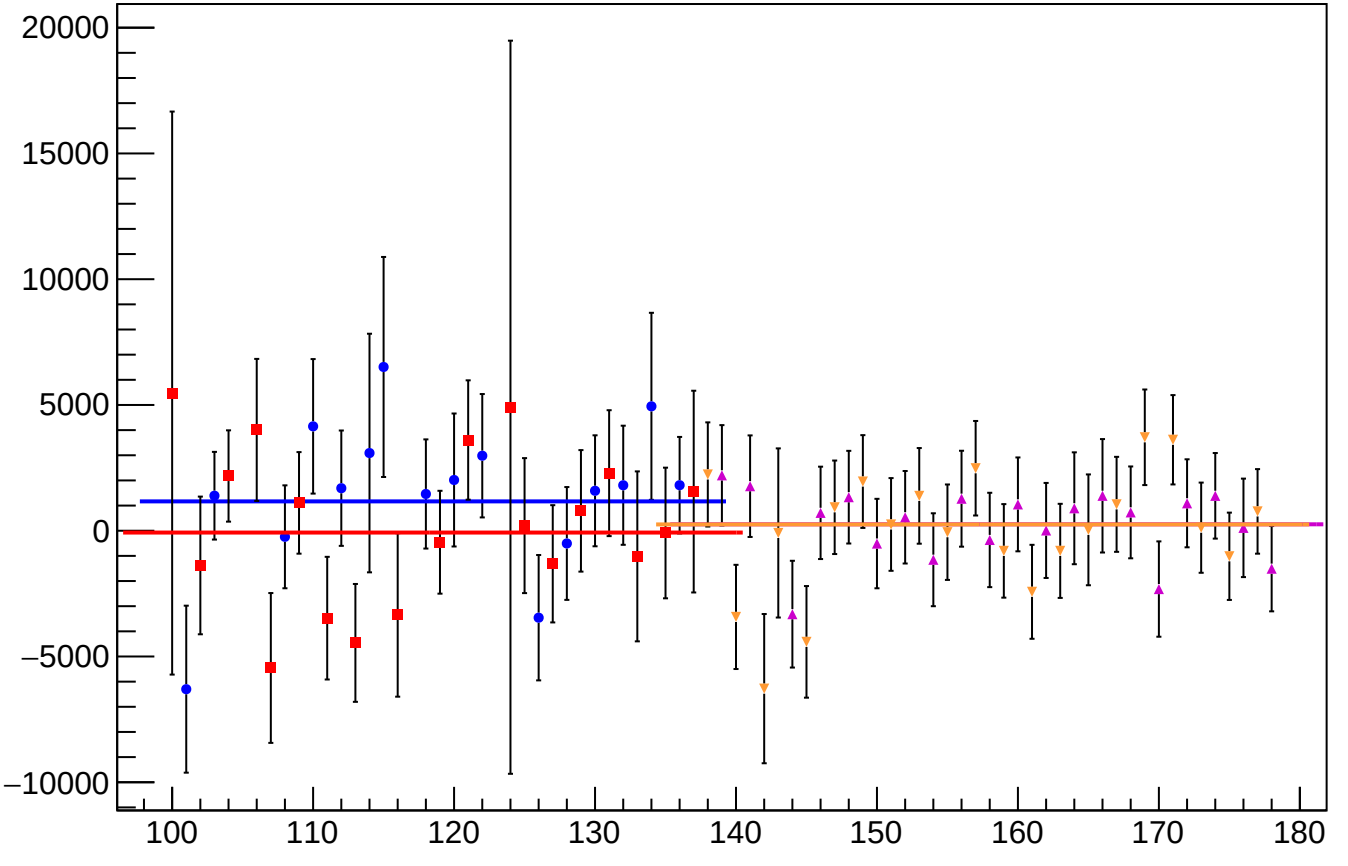
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 929.006+/-0.142 χ^2/NDF:4188963.6/35

Out: 938.386+/-0.144 χ^2/NDF:5044031.3/39

All: 933.634+/-0.101 χ^2/NDF: 9235142.1/75

eigen_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: 255.561+/-422.612 χ^2/NDF:10.1/19

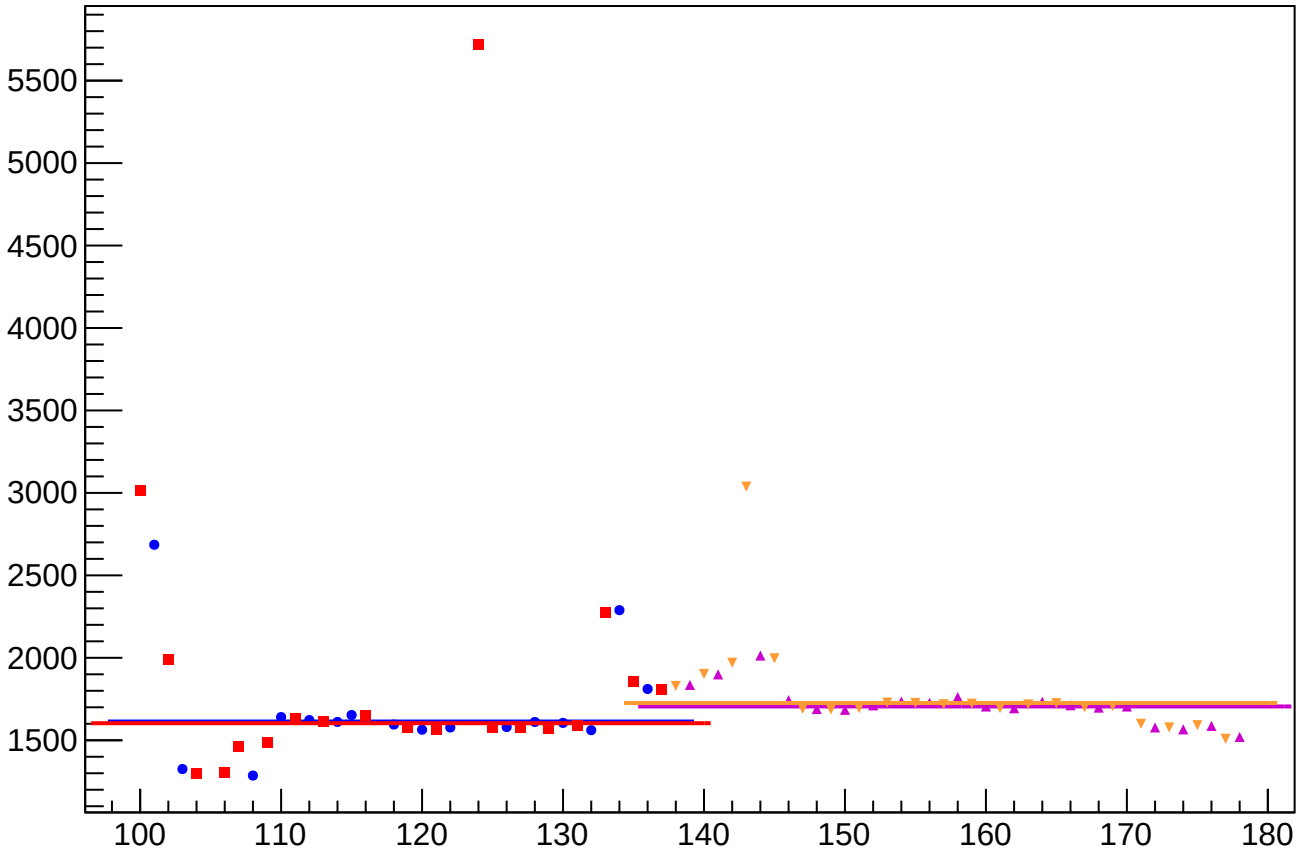
Left: 253.204+/-299.814 χ^2/NDF: 36.7/40

Right: 541.197+/-428.680 χ^2/NDF: 34.8/34

In: 551.624+/-347.234 χ^2/NDF:26.1/35

Out: 143.461+/-347.677 χ^2/NDF:45.0/39

All: 347.803+/-245.688 χ^2/NDF: 71.8/75



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: 1705.060+/-0.299 χ^2/NDF:128720.0/19

Left: 1715.347+/-0.212 χ^2/NDF: 571059.6/40

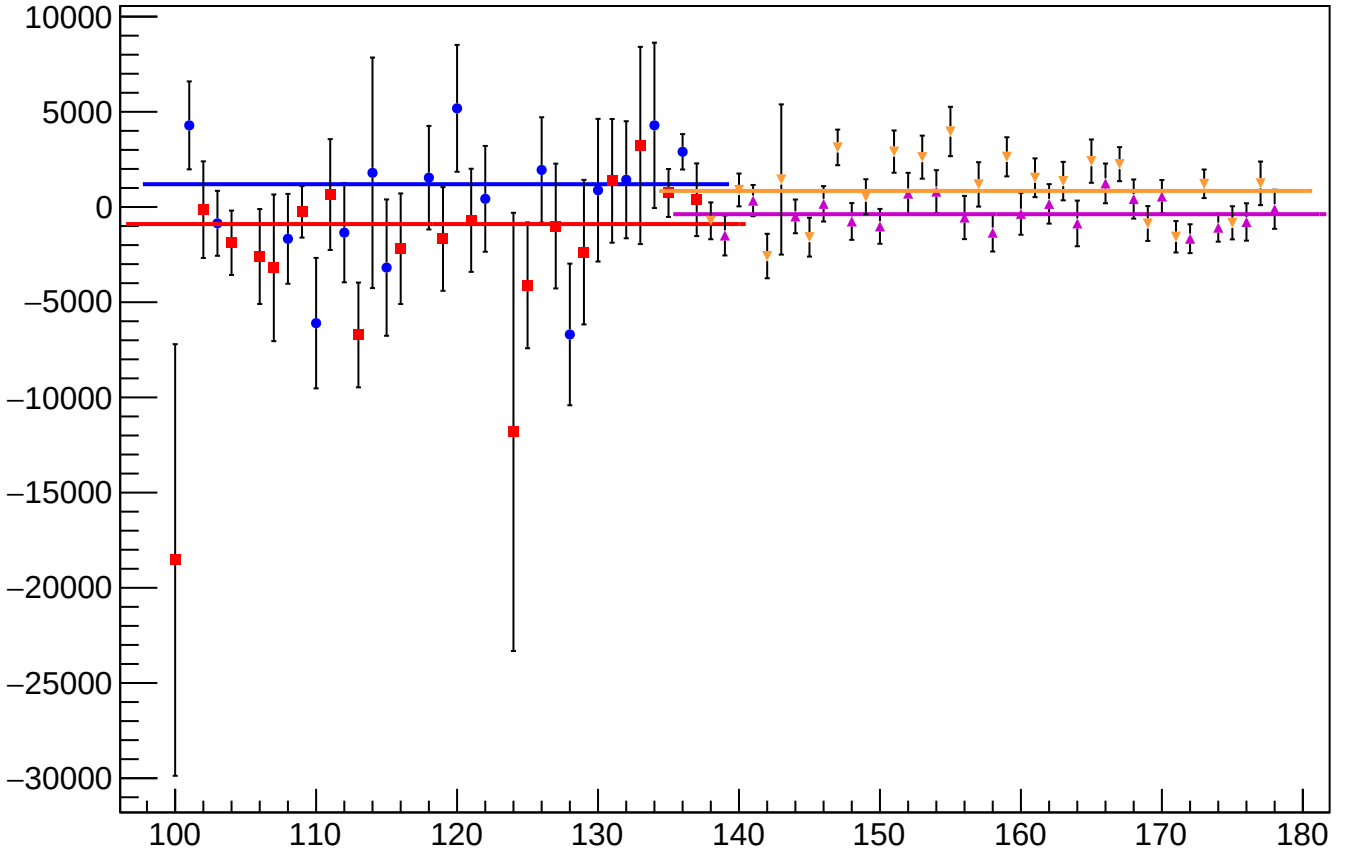
Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1675.368+/-0.246 χ^2/NDF:563795.2/35

Out: 1685.159+/-0.246 χ^2/NDF:920640.7/39

All: 1680.257+/-0.174 χ^2/NDF: 1485230.0/75

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: -376.307+/-214.439 χ^2/NDF:14.6/19

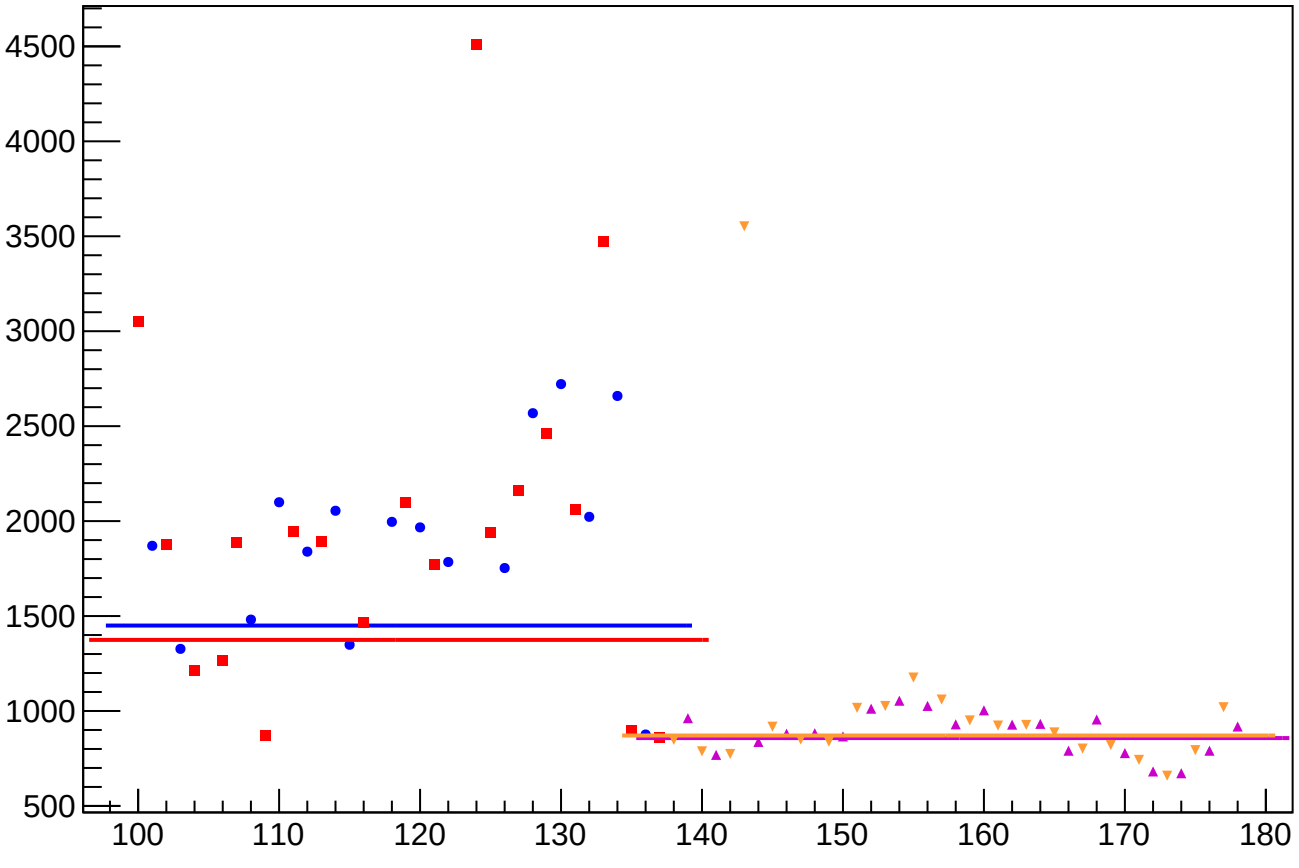
Left: 222.568+/-153.200 χ^2/NDF: 89.5/40

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: -185.931+/-201.059 χ^2/NDF:42.8/35

Out: 613.454+/-203.753 χ^2/NDF:81.7/39

All: 208.442+/-143.113 χ^2/NDF: 132.3/75



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: 857.363+/-0.152 χ^2/NDF:549839.0/19

Left: 864.005+/-0.108 χ^2/NDF: 2053043.2/40

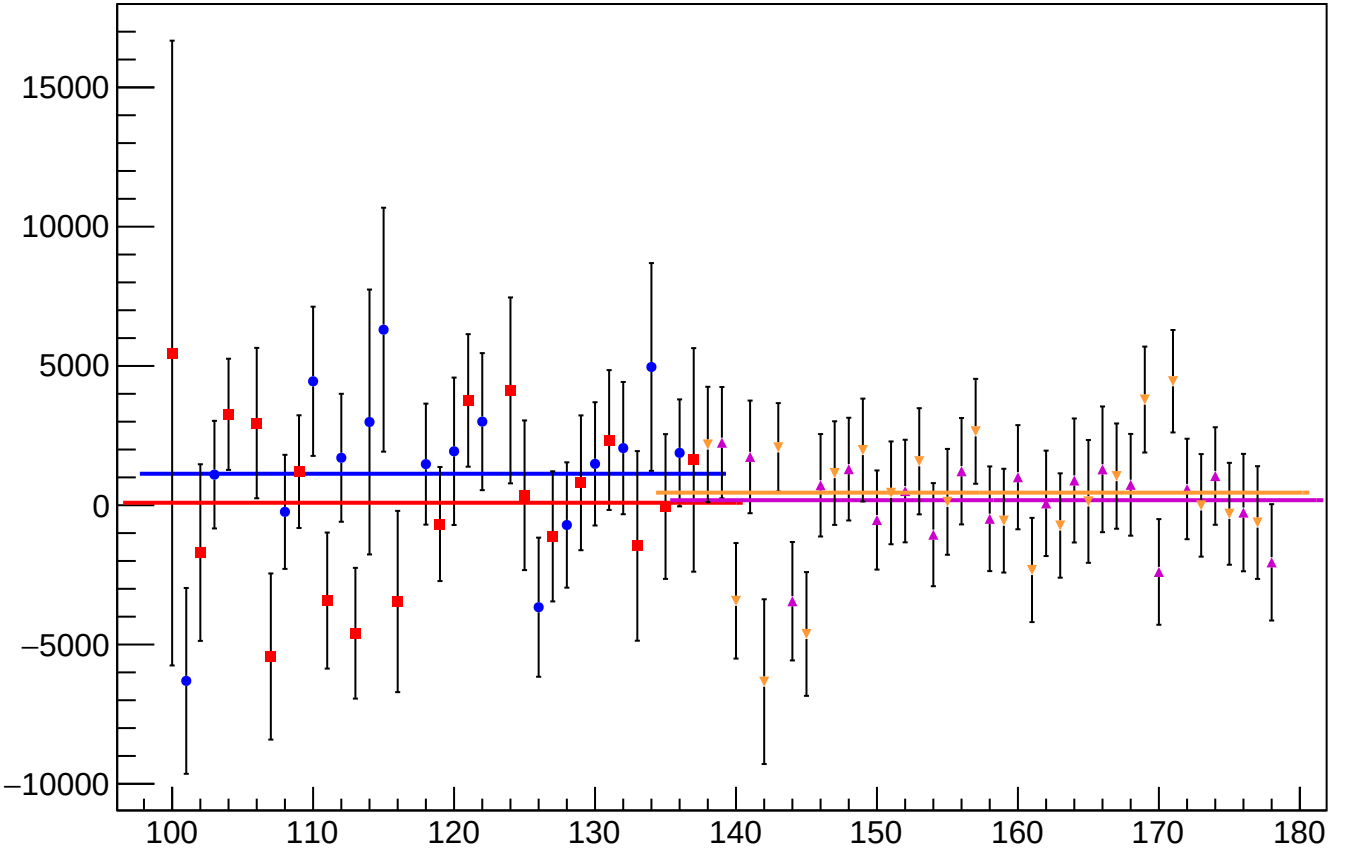
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 929.006+/-0.142 χ^2/NDF:4188963.6/35

Out: 938.386+/-0.144 χ^2/NDF:5044031.3/39

All: 933.634+/-0.101 χ^2/NDF: 9235142.1/75

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: 180.990+/-430.476 χ^2/NDF:10.0/19

Left: 319.310+/-300.943 χ^2/NDF: 39.9/40

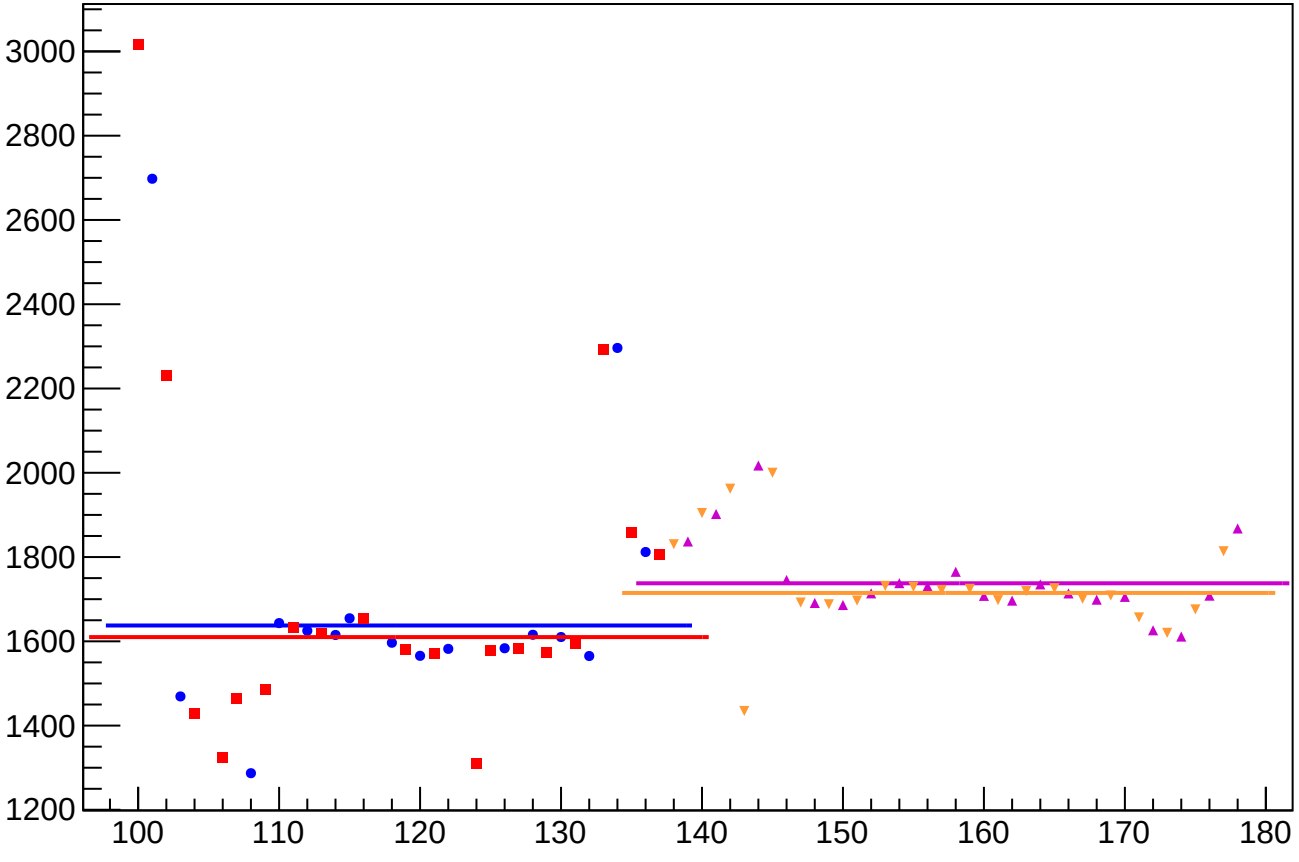
Right: 597.886+/-431.357 χ^2/NDF: 37.1/34

In: 491.777+/-353.086 χ^2/NDF:26.6/35

Out: 332.864+/-345.140 χ^2/NDF:50.6/39

All: 410.512+/-246.812 χ^2/NDF: 77.3/75

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: 1737.724+/-0.304 χ^2/NDF:85925.1/19

Left: 1726.022+/-0.213 χ^2/NDF: 235610.2/40

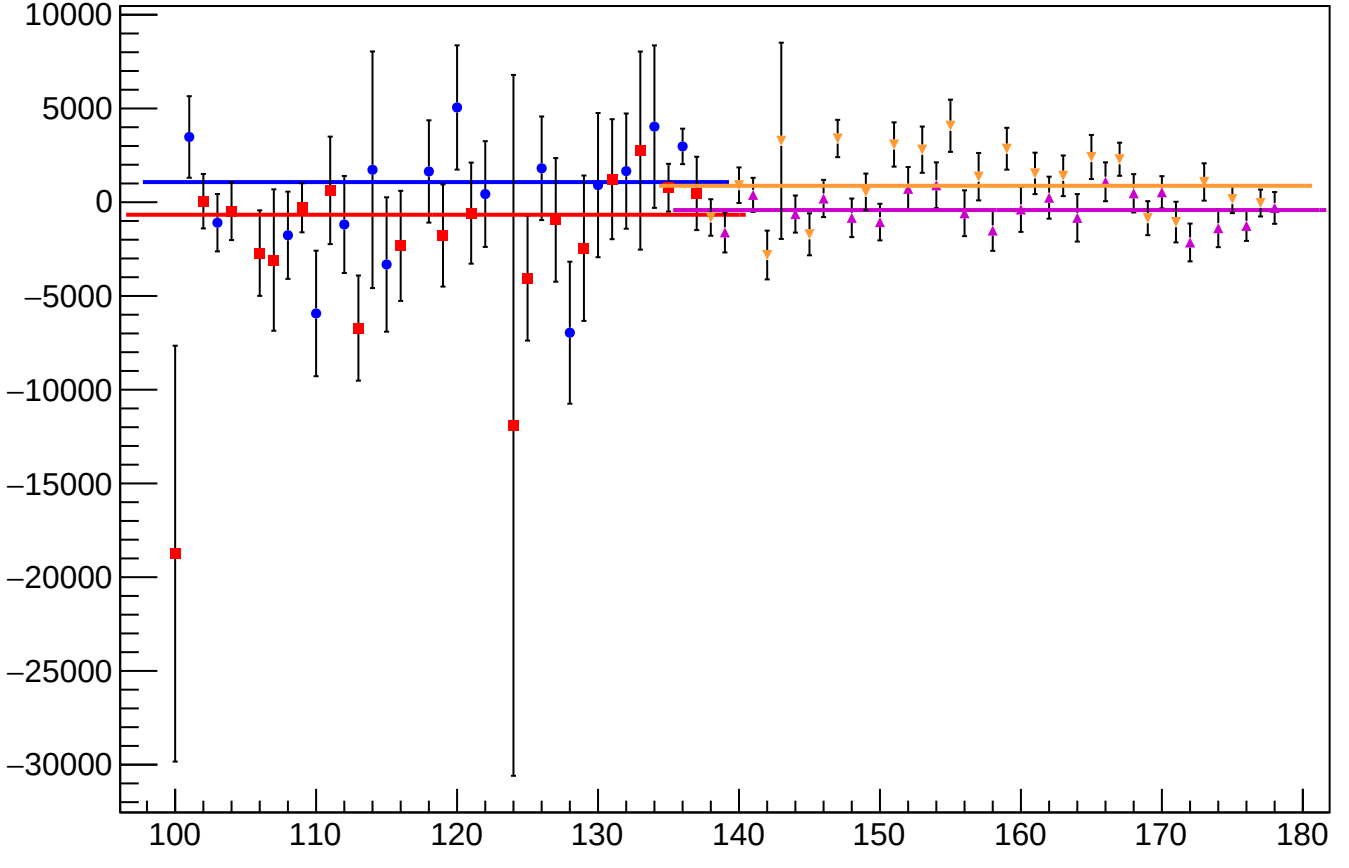
Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1704.951+/-0.250 χ^2/NDF:482765.8/35

Out: 1680.512+/-0.244 χ^2/NDF:468215.6/39

All: 1692.454+/-0.175 χ^2/NDF: 955881.3/75

asym_at2_dd_dit_correction_mean vs Slug, Sign Corrected



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: -417.807+/-227.494 χ^2/NDF:15.8/19

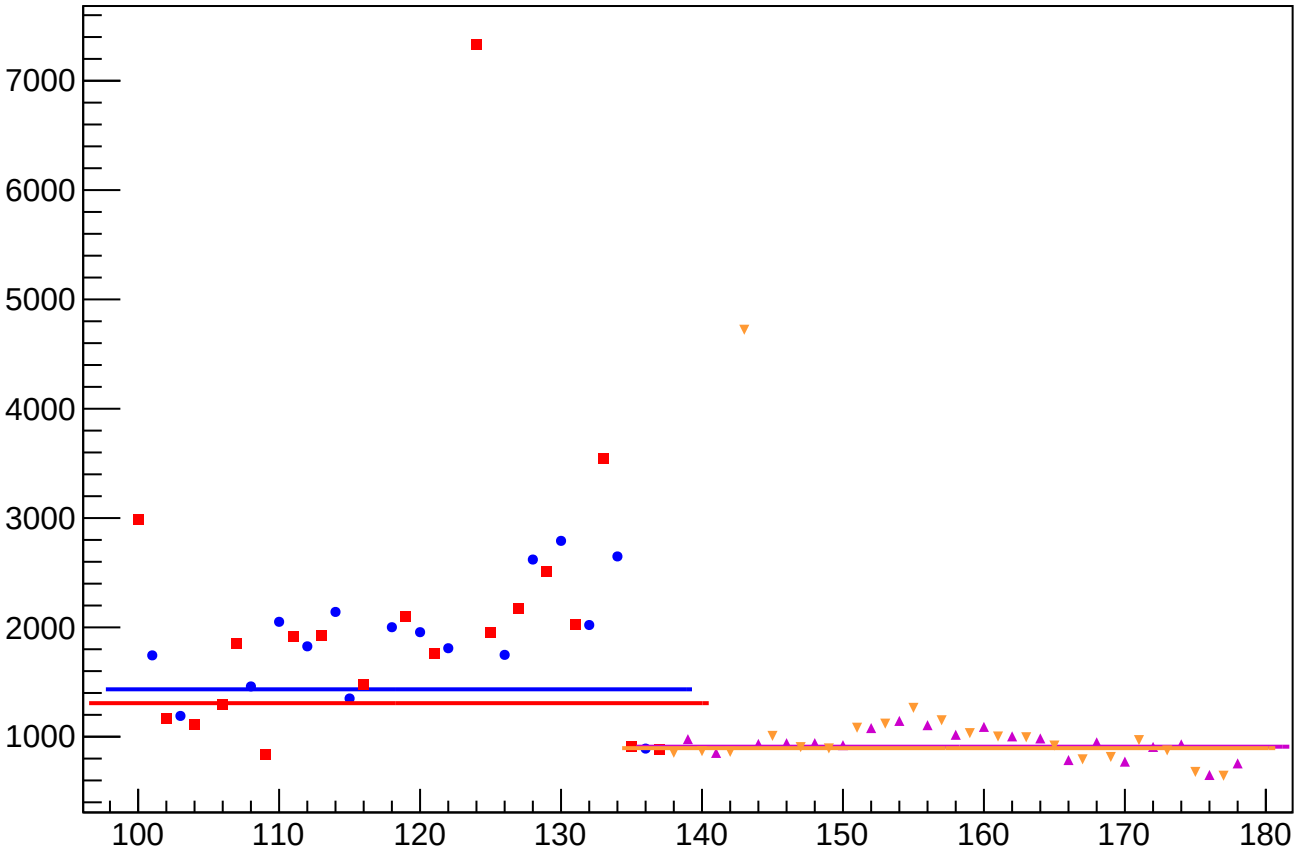
Left: 231.478+/-160.595 χ^2/NDF: 83.9/40

Right: 126.521+/-386.051 χ^2/NDF: 40.6/34

In: -213.878+/-211.369 χ^2/NDF:43.7/35

Out: 632.514+/-208.060 χ^2/NDF:72.8/39

All: 215.995+/-148.277 χ^2/NDF: 124.6/75



Right In: 1433.477+/-0.404 χ^2/NDF: 1763491.8/15

Left Out: 895.361+/-0.160 χ^2/NDF:1969654.9/20

Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

Left In: 908.739+/-0.161 χ^2/NDF:634511.8/19

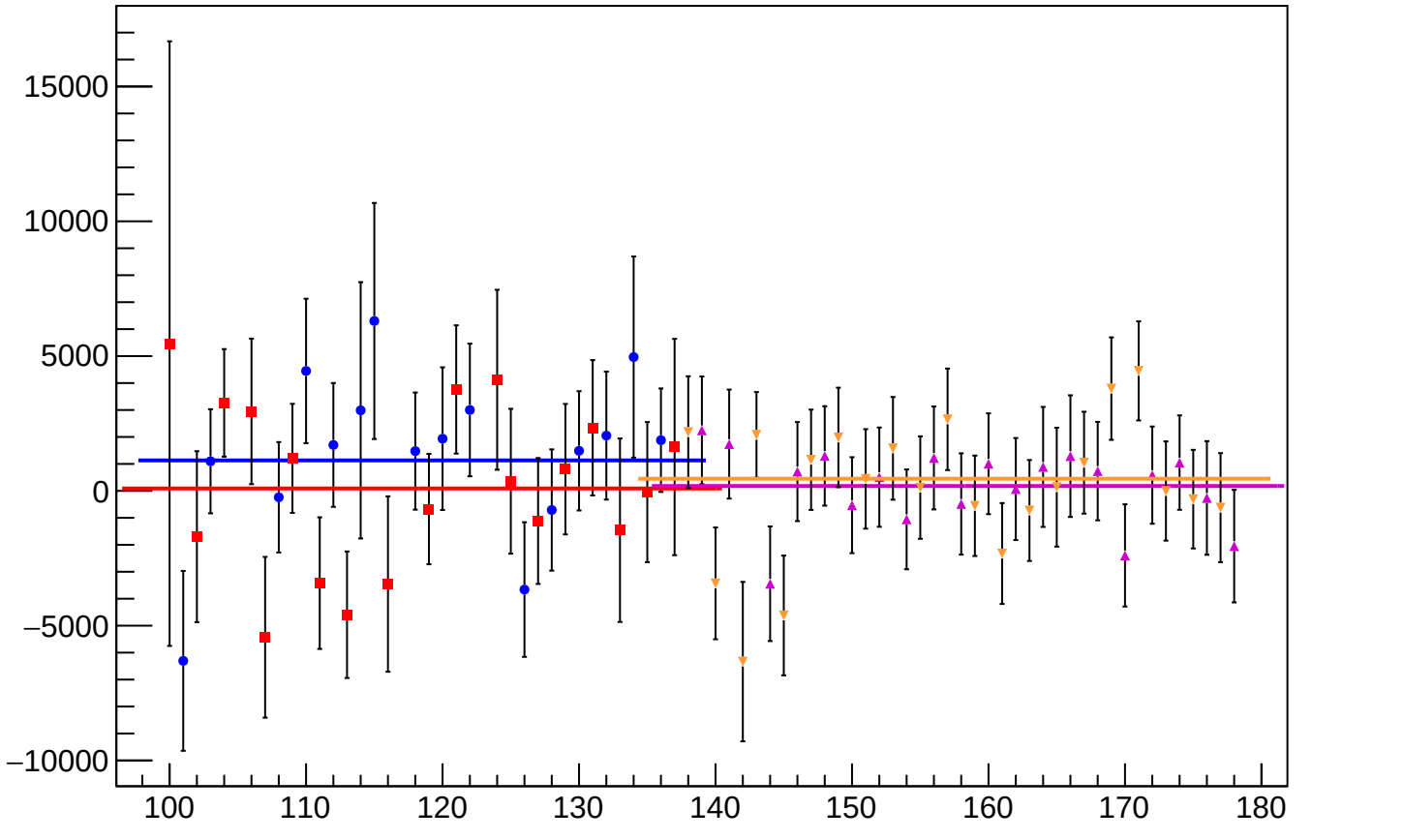
Left: 902.028+/-0.114 χ^2/NDF: 2607636.6/40

Right: 1364.618+/-0.273 χ^2/NDF: 4000764.0/34

In: 980.490+/-0.149 χ^2/NDF:3852995.5/35

Out: 960.367+/-0.147 χ^2/NDF:5194230.7/39

All: 970.270+/-0.105 χ^2/NDF: 9056432.3/75



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: 180.992+/-430.476 χ^2/NDF:10.0/19

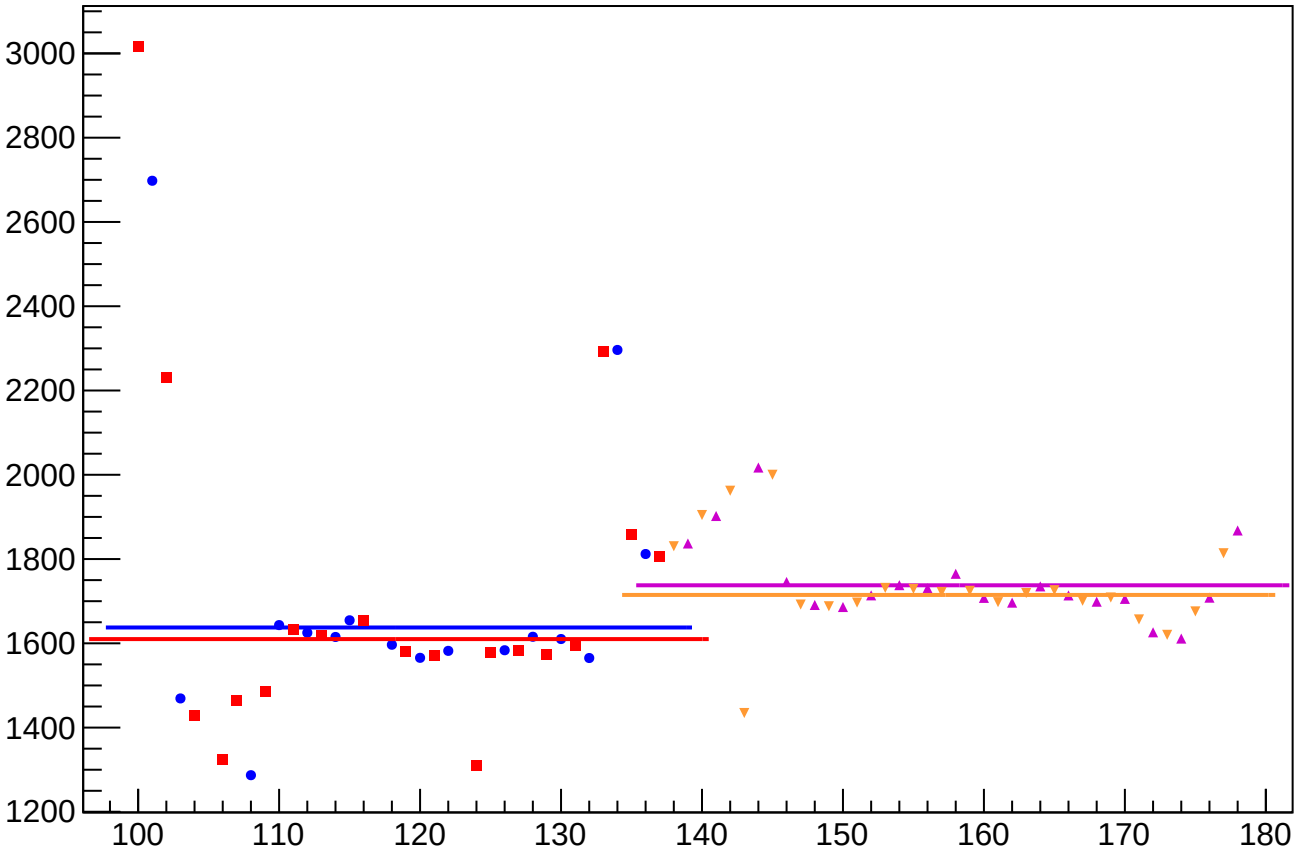
Left: 319.308+/-300.943 χ^2/NDF: 39.9/40

Right: 597.890+/-431.357 χ^2/NDF: 37.1/34

In: 491.778+/-353.086 χ^2/NDF:26.6/35

Out: 332.862+/-345.140 χ^2/NDF:50.6/39

All: 410.512+/-246.812 χ^2/NDF: 77.3/75



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: 1737.724+/-0.304 χ^2/NDF:85925.2/19

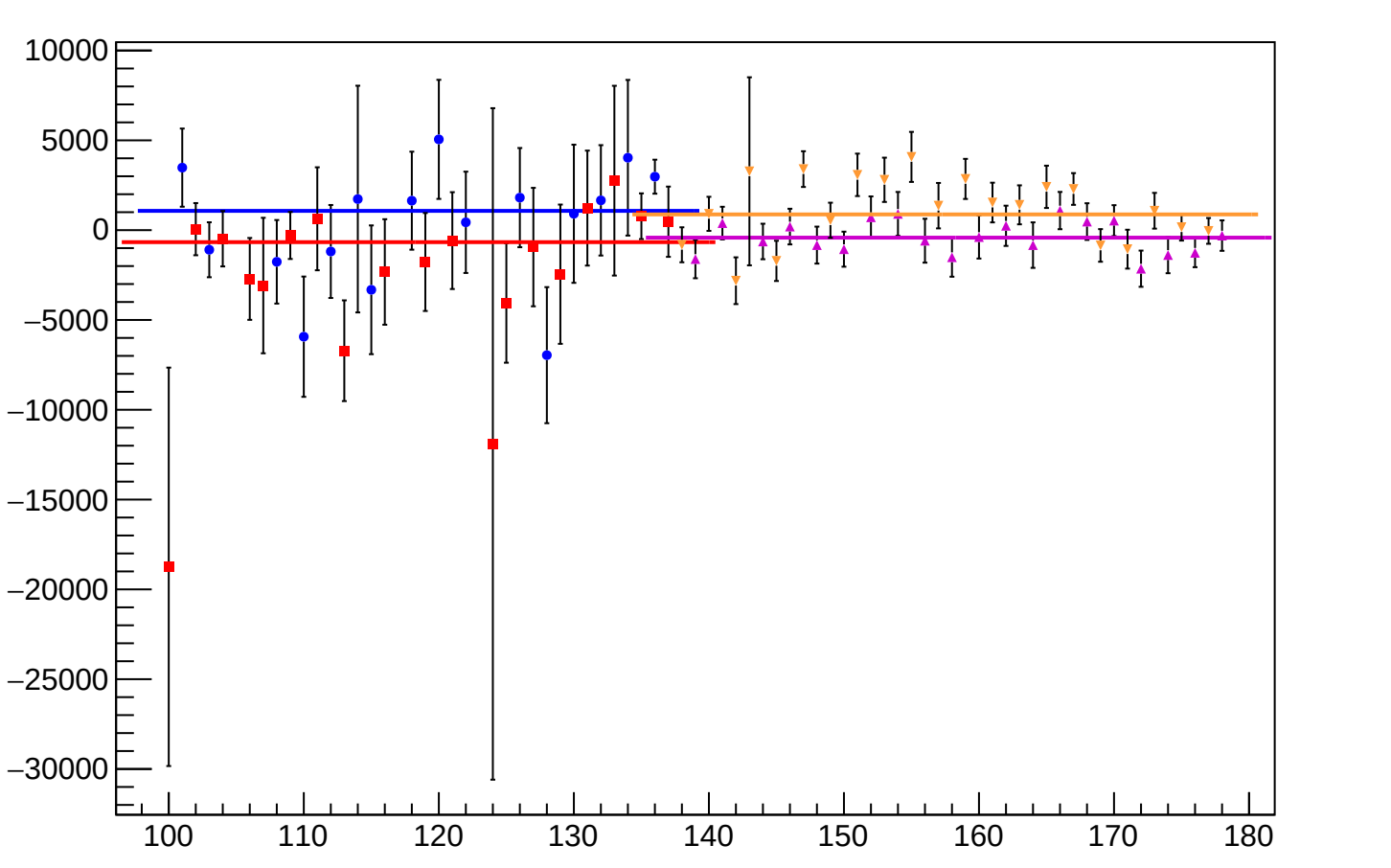
Left: 1726.021+/-0.213 χ^2/NDF: 235609.7/40

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1704.951+/-0.250 χ^2/NDF:482765.6/35

Out: 1680.512+/-0.244 χ^2/NDF:468215.4/39

All: 1692.454+/-0.175 χ^2/NDF: 955880.7/75



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: -417.805+/-227.493 χ^2/NDF:15.8/19

Left: 231.480+/-160.595 χ^2/NDF: 83.9/40

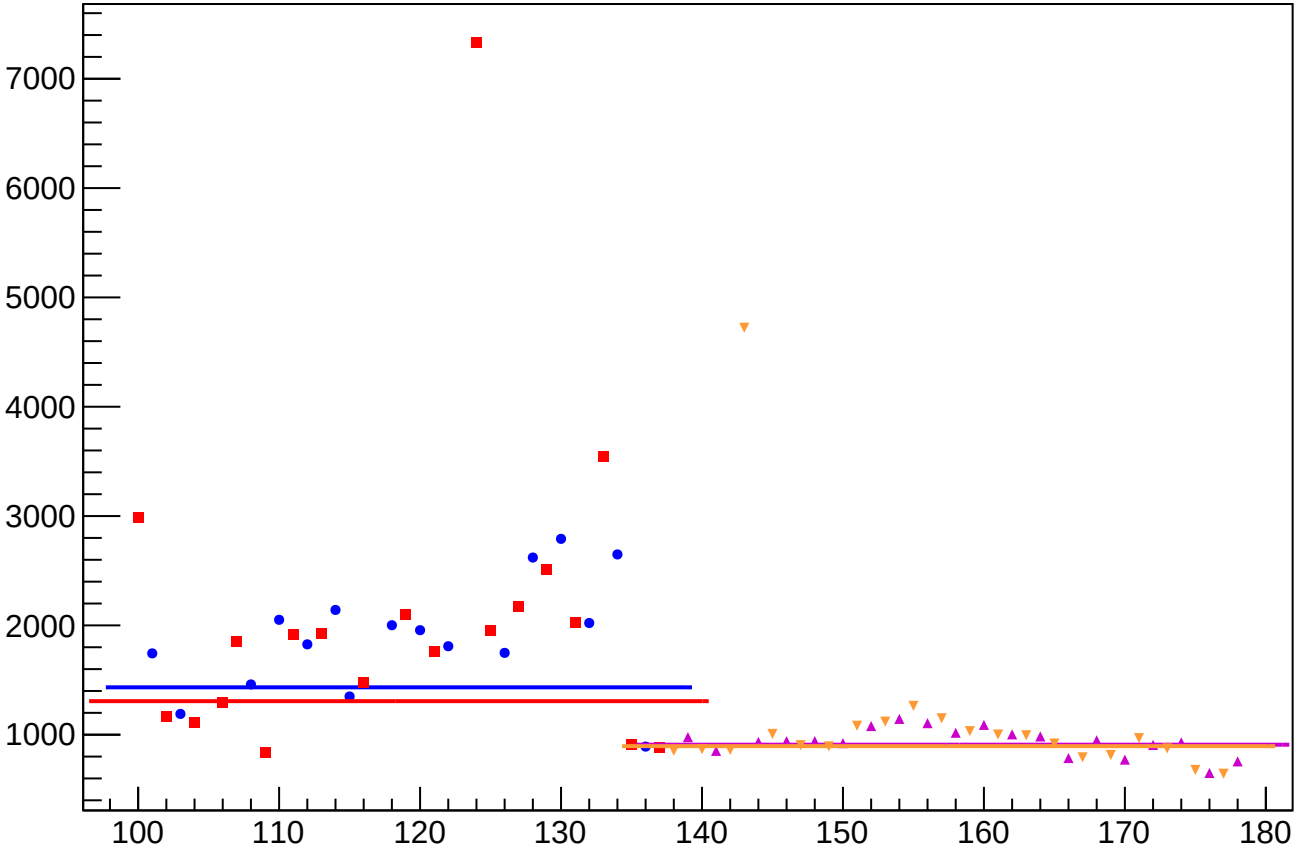
Right: 126.509+/-386.053 χ^2/NDF: 40.6/34

In: -213.880+/-211.369 χ^2/NDF:43.7/35

Out: 632.519+/-208.061 χ^2/NDF:72.8/39

All: 215.995+/-148.277 χ^2/NDF: 124.6/75

asym_at2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 908.738+/-0.161 χ^2/NDF:634518.6/19

Left: 902.027+/-0.114 χ^2/NDF: 2607629.5/40

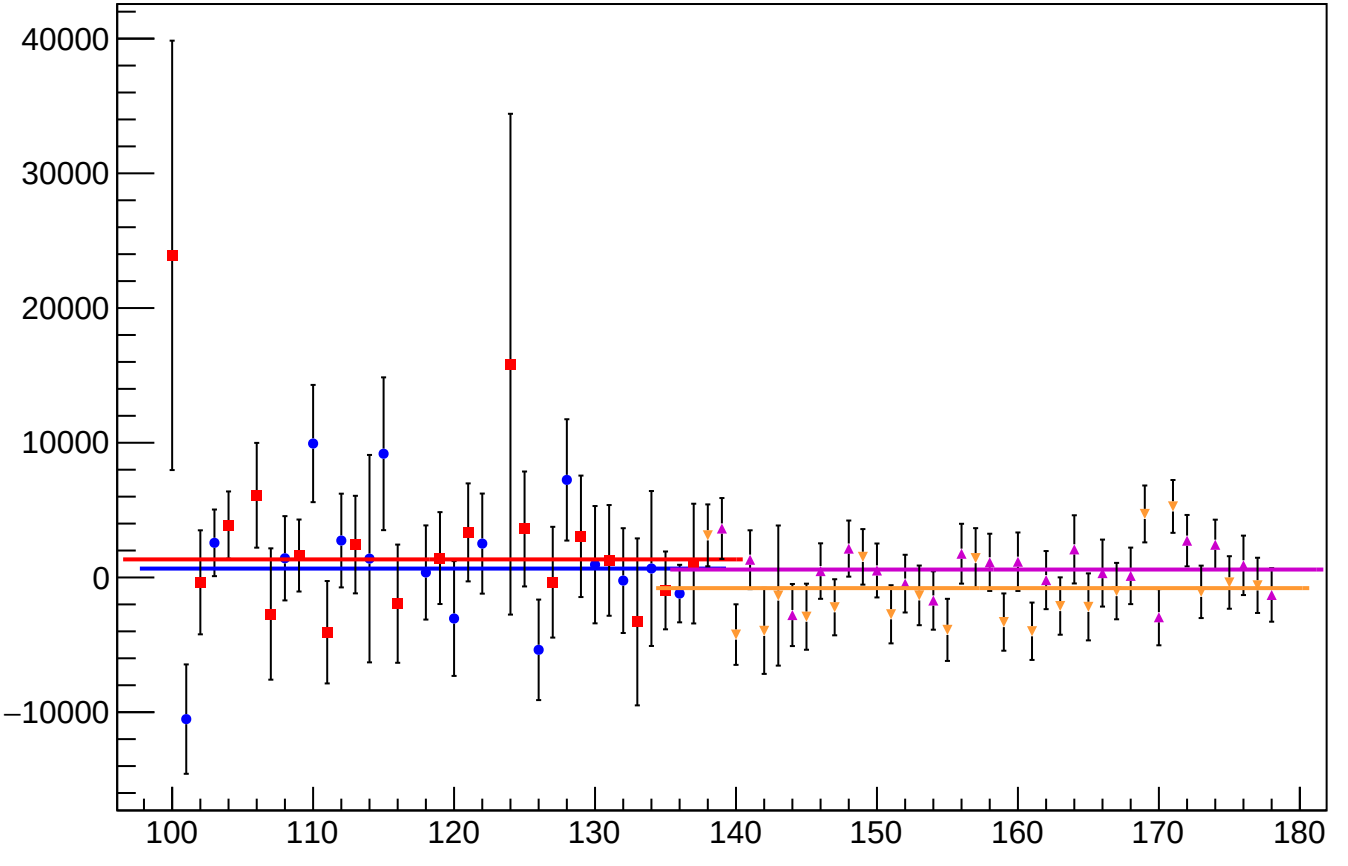
Right: 1364.632+/-0.273 χ^2/NDF: 4000599.5/34

In: 980.490+/-0.149 χ^2/NDF:3852981.9/35

Out: 960.369+/-0.147 χ^2/NDF:5194196.2/39

All: 970.271+/-0.105 χ^2/NDF: 9056382.3/75

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: 588.232+/-477.338 χ^2/NDF:13.0/19

Left: -91.569+/-339.937 χ^2/NDF: 50.4/40

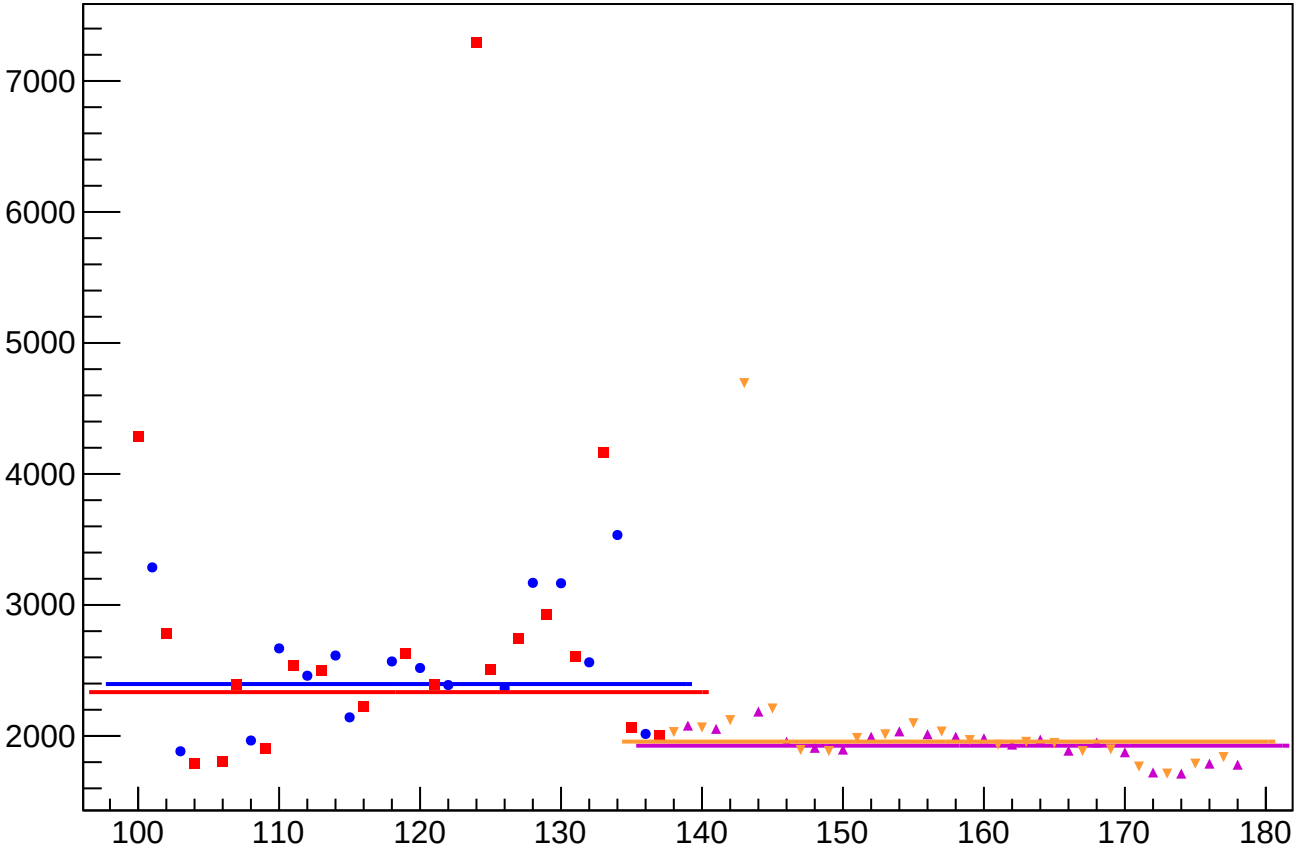
Right: 1007.929+/-636.341 χ^2/NDF: 33.1/34

In: 603.613+/-422.670 χ^2/NDF:35.0/35

Out: -304.397+/-425.407 χ^2/NDF:48.5/39

All: 152.539+/-299.836 χ^2/NDF: 85.8/75

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: 1925.800+/-0.338 χ^2/NDF:126401.2/19

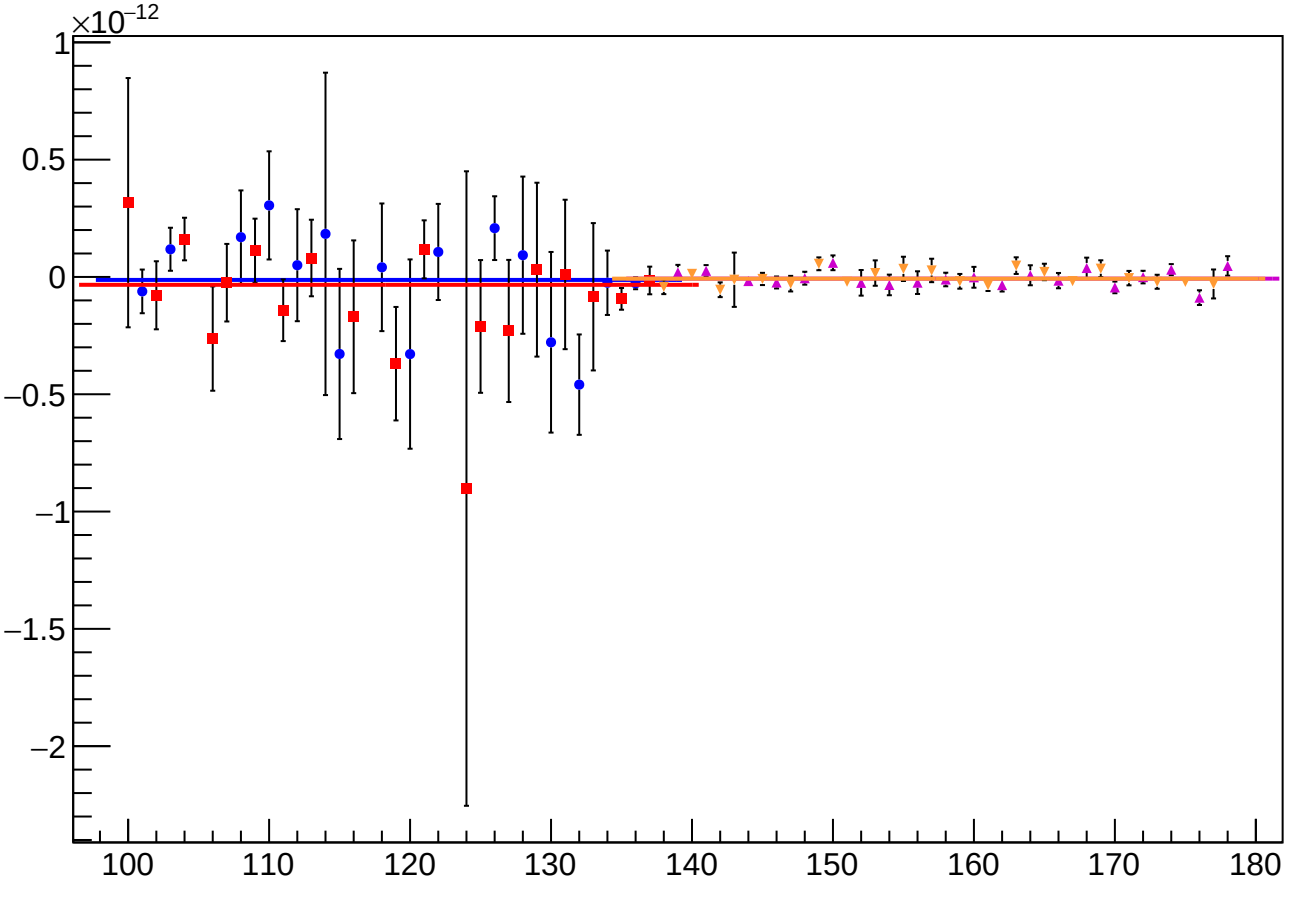
Left: 1941.166+/-0.240 χ^2/NDF: 809207.3/40

Right: 2364.783+/-0.450 χ^2/NDF: 1194162.0/34

In: 2027.394+/-0.299 χ^2/NDF:1053847.1/35

Out: 2043.141+/-0.301 χ^2/NDF:1637699.3/39

All: 2035.217+/-0.212 χ^2/NDF: 2692925.4/75



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:24.3/19

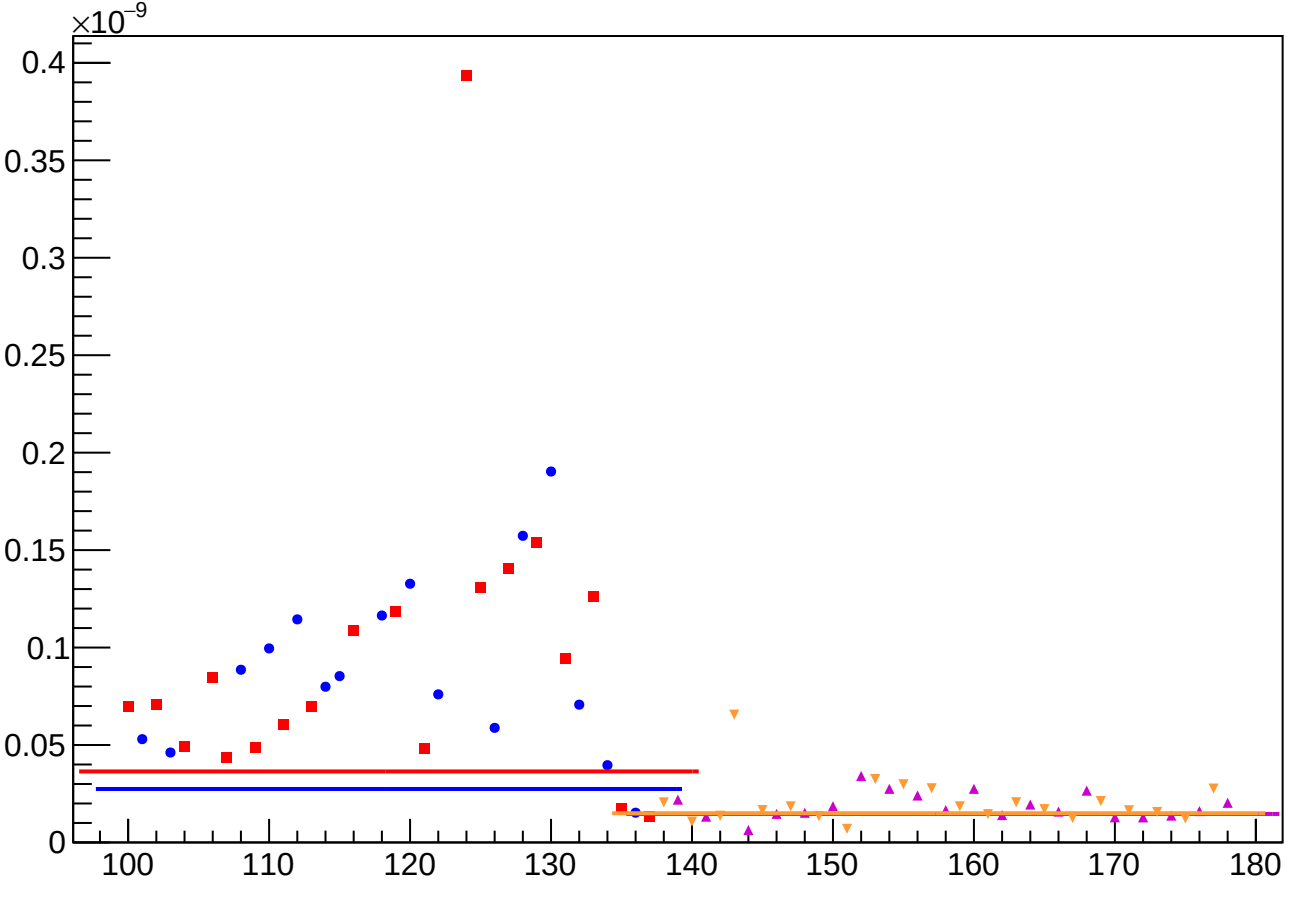
Left: -0.000+/-0.000 χ^2/NDF: 43.5/40

Right: -0.000+/-0.000 χ^2/NDF: 30.4/34

In: -0.000+/-0.000 χ^2/NDF:39.1/35

Out: -0.000+/-0.000 χ^2/NDF:35.3/39

All: -0.000+/-0.000 χ^2/NDF: 74.5/75



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:1783181.5/19

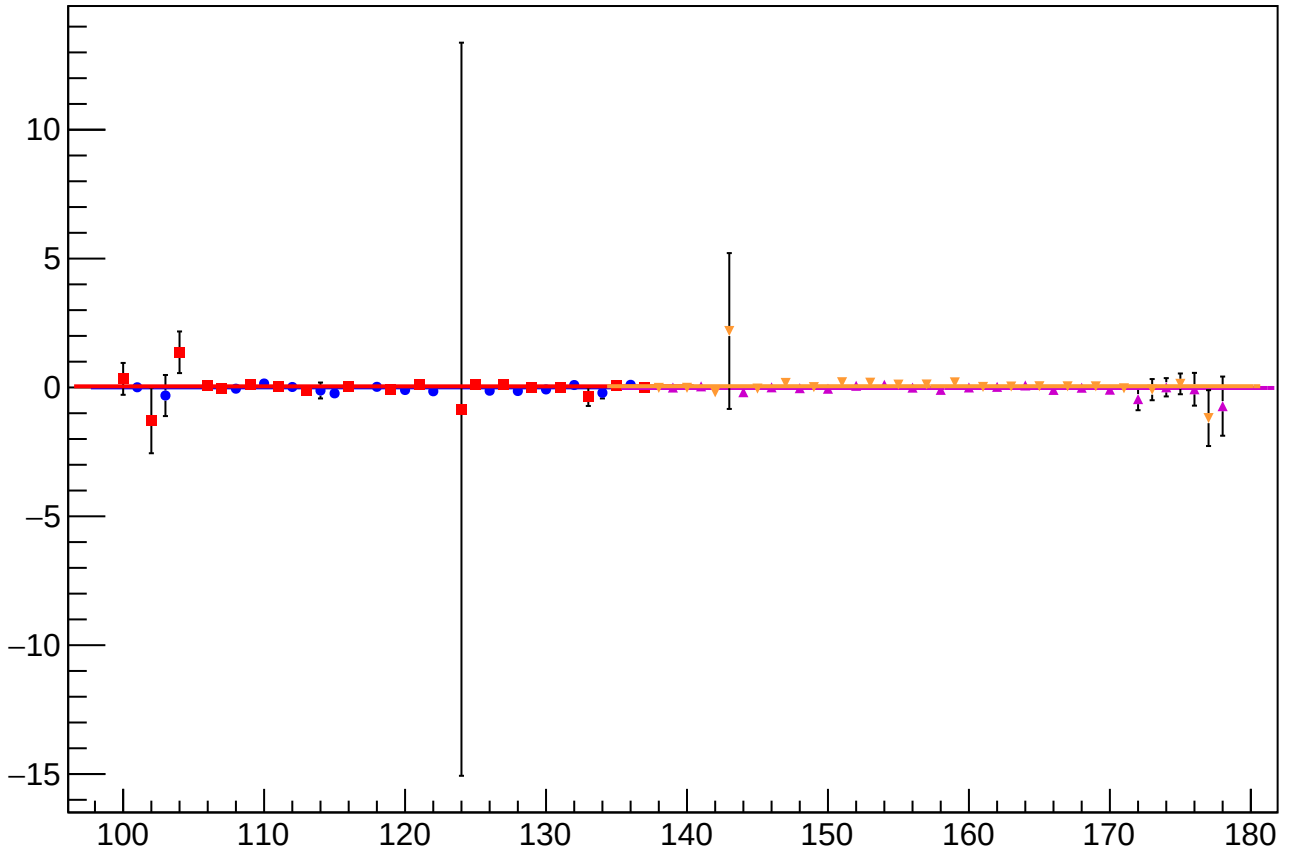
Left: 0.000+/-0.000 χ^2/NDF: 3554677.5/40

Right: 0.000+/-0.000 χ^2/NDF: 5297550.6/34

In: 0.000+/-0.000 χ^2/NDF:5126974.1/35

Out: 0.000+/-0.000 χ^2/NDF:5327855.0/39

All: 0.000+/-0.000 χ^2/NDF: 10459582.3/75



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:13.1/19

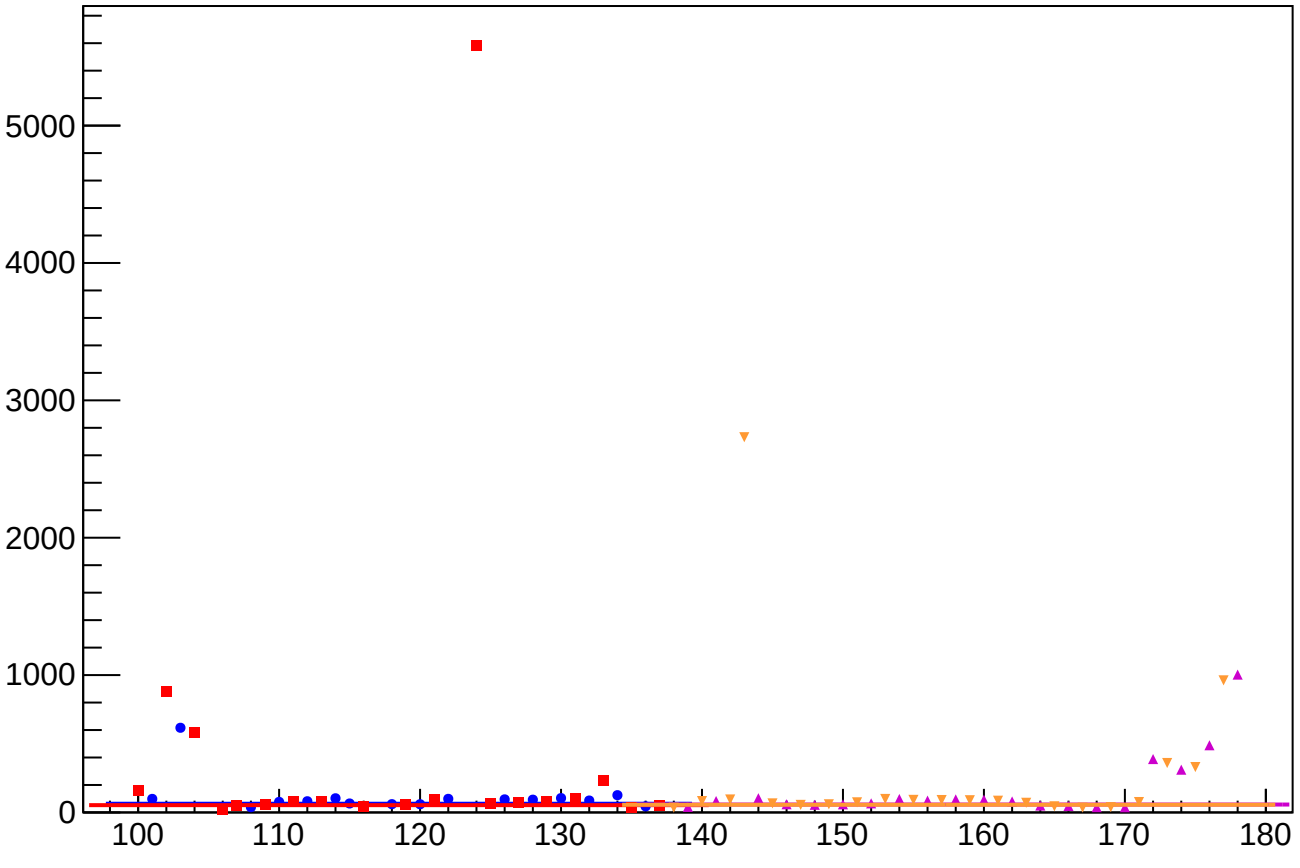
Left: 0.014+/-0.012 χ^2/NDF: 42.5/40

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.014+/-0.015 χ^2/NDF:27.0/35

Out: 0.047+/-0.014 χ^2/NDF:33.9/39

All: 0.018+/-0.010 χ^2/NDF: 69.9/75



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: 57.621+/-0.012 χ^2/NDF:7147036.1/19

Left: 56.851+/-0.009 χ^2/NDF: 15132269.8/40

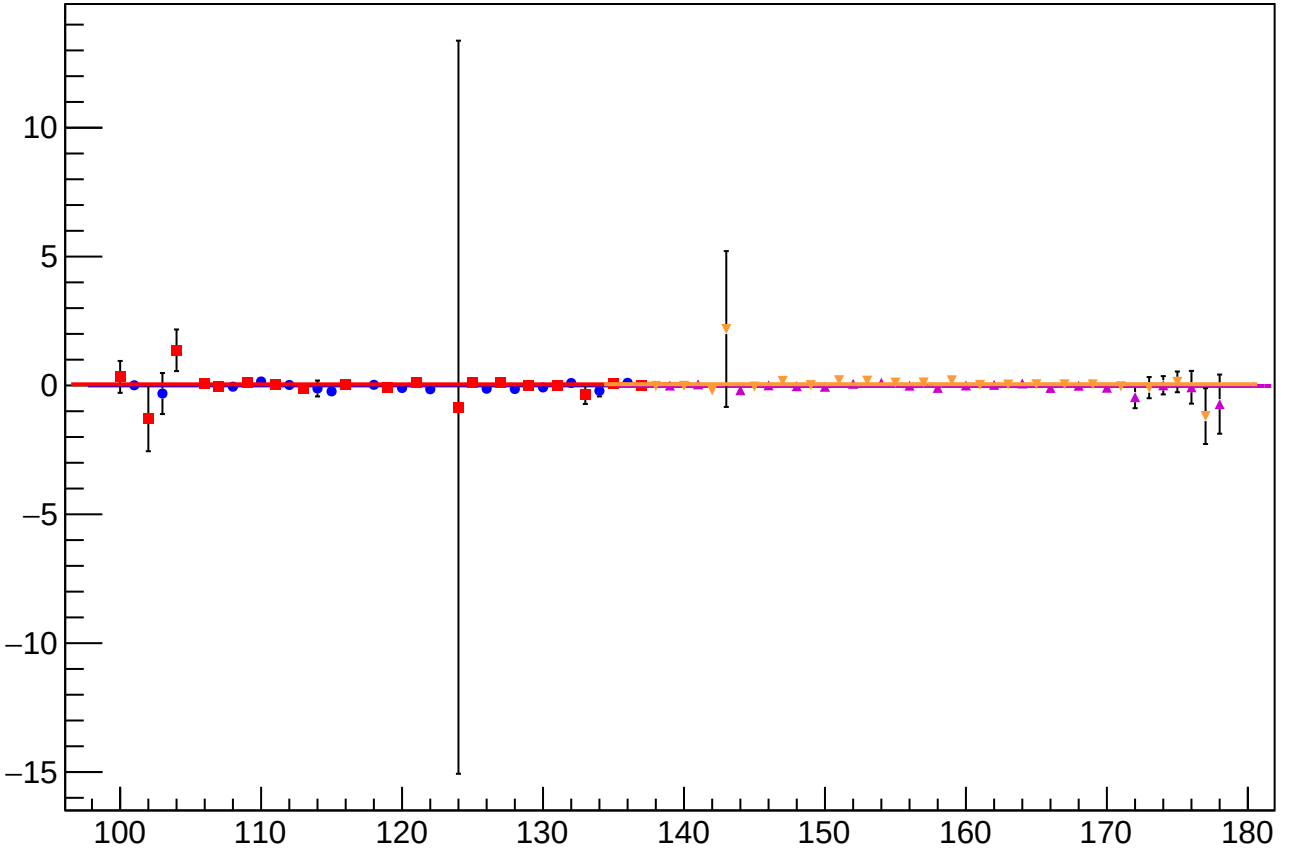
Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 59.278+/-0.010 χ^2/NDF:9658076.0/35

Out: 55.167+/-0.010 χ^2/NDF:11941352.0/39

All: 57.158+/-0.007 χ^2/NDF: 21682274.2/75

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:13.1/19

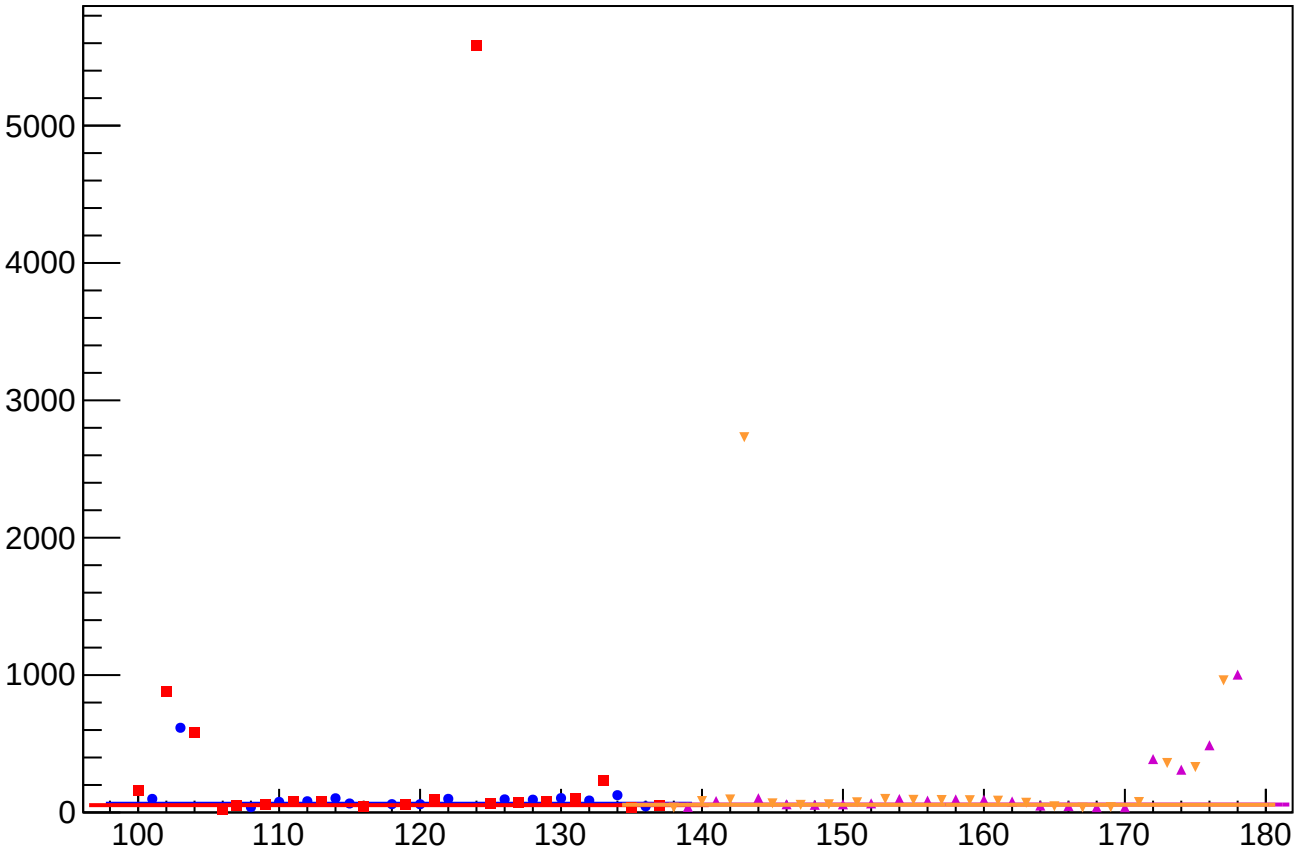
Left: 0.014+/-0.012 χ^2/NDF: 42.5/40

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.014+/-0.015 χ^2/NDF:27.0/35

Out: 0.047+/-0.014 χ^2/NDF:33.9/39

All: 0.018+/-0.010 χ^2/NDF: 69.9/75



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: 57.621+/-0.012 χ^2/NDF:7147036.1/19

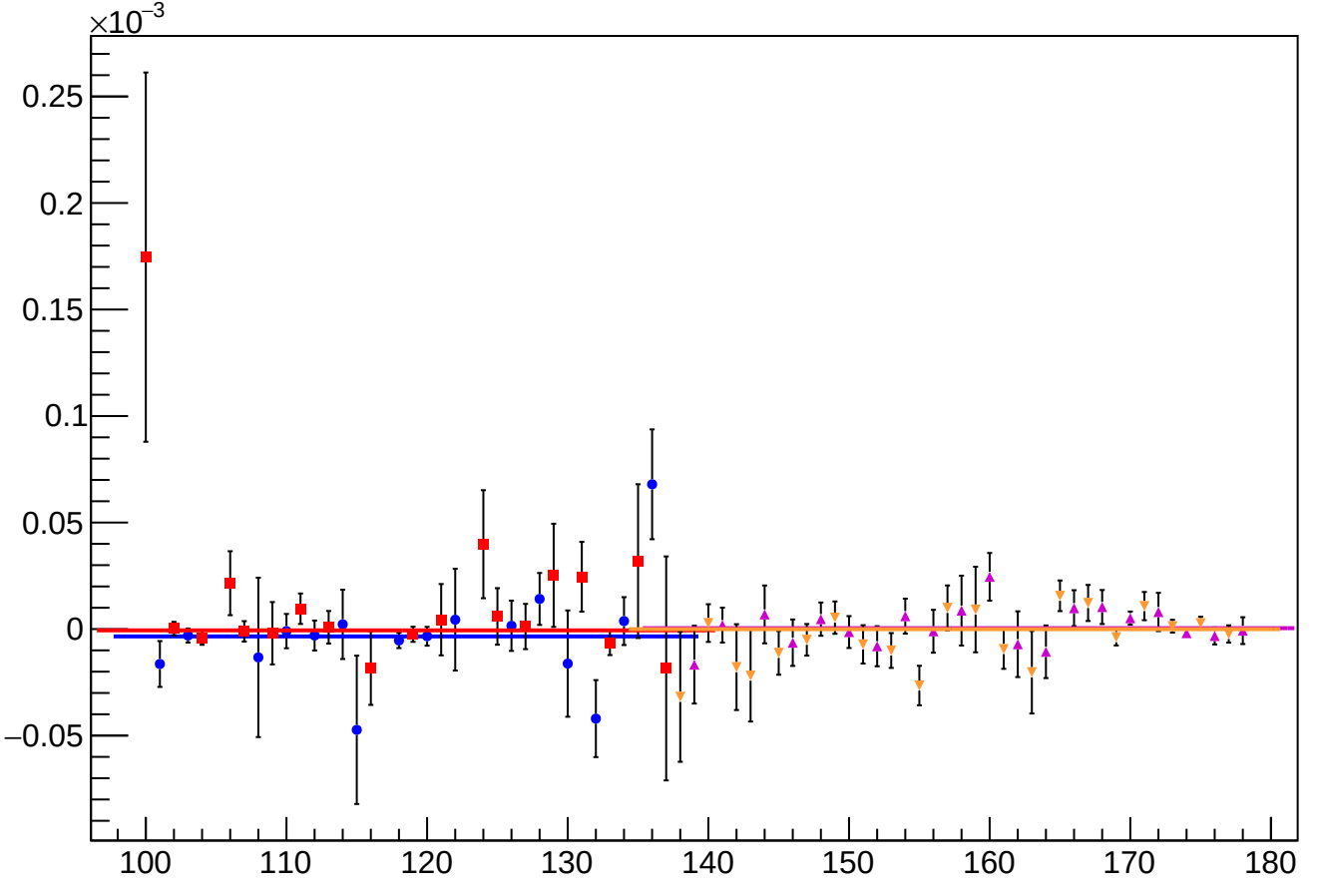
Left: 56.851+/-0.009 χ^2/NDF: 15132269.8/40

Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 59.278+/-0.010 χ^2/NDF:9658076.0/35

Out: 55.167+/-0.010 χ^2/NDF:11941352.0/39

All: 57.158+/-0.007 χ^2/NDF: 21682274.2/75



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:17.4/19

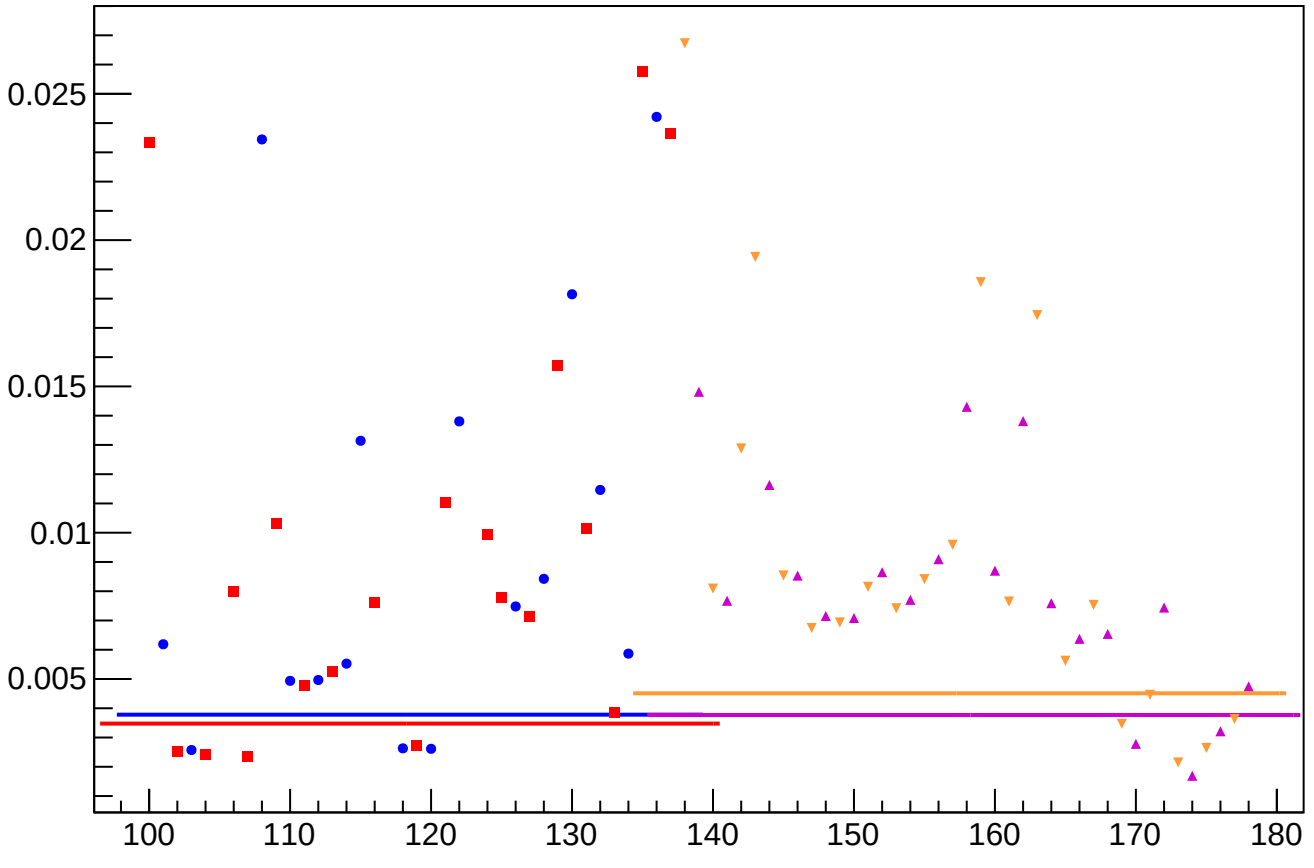
Left: 0.000+/-0.000 χ^2/NDF: 48.0/40

Right: -0.000+/-0.000 χ^2/NDF: 39.5/34

In: -0.000+/-0.000 χ^2/NDF:39.4/35

Out: -0.000+/-0.000 χ^2/NDF:49.7/39

All: -0.000+/-0.000 χ^2/NDF: 89.2/75



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:10418521.5/19

Left: 0.004+/-0.000 χ^2/NDF: 20168954.2/40

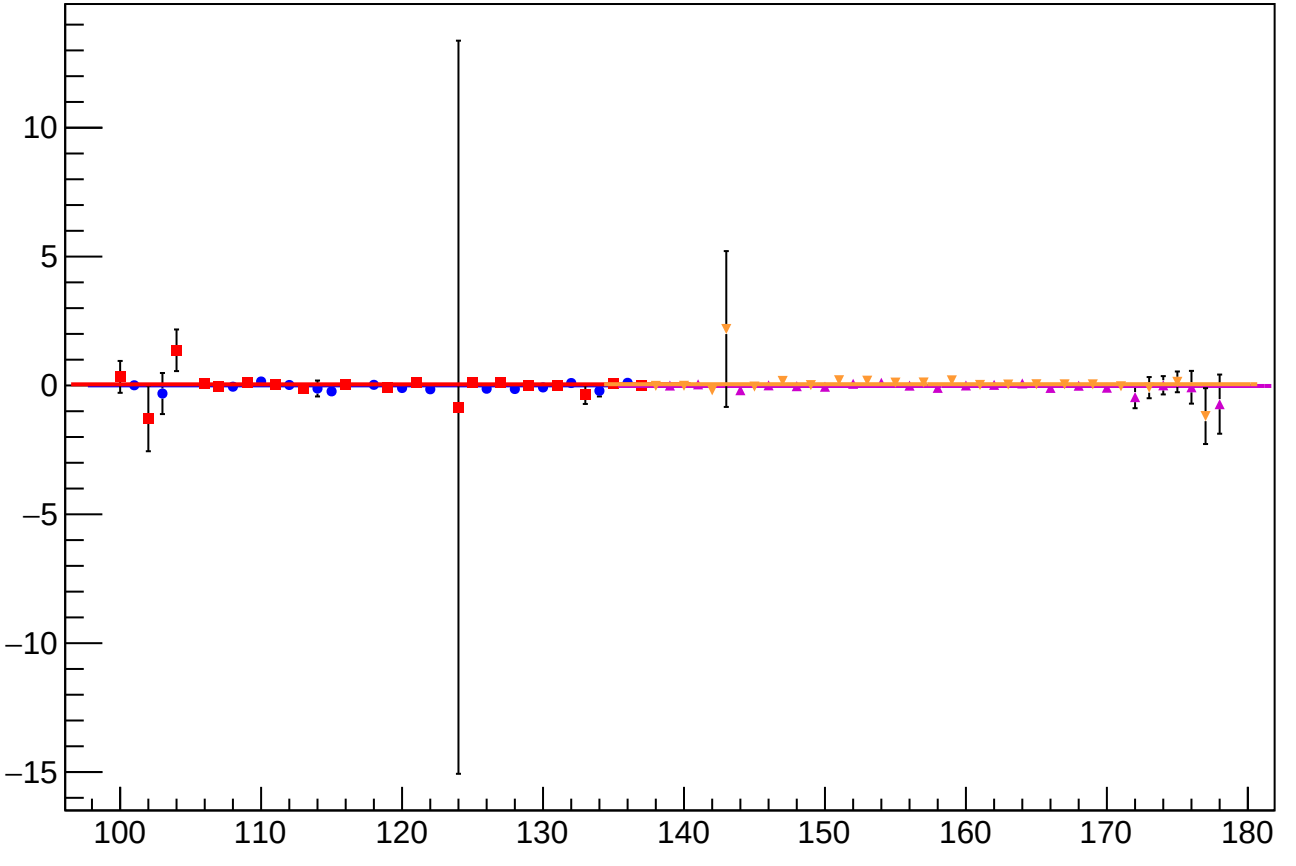
Right: 0.004+/-0.000 χ^2/NDF: 9247440.2/34

In: 0.004+/-0.000 χ^2/NDF:15138105.2/35

Out: 0.004+/-0.000 χ^2/NDF:14426478.4/39

All: 0.004+/-0.000 χ^2/NDF: 29640053.3/75

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:13.1/19

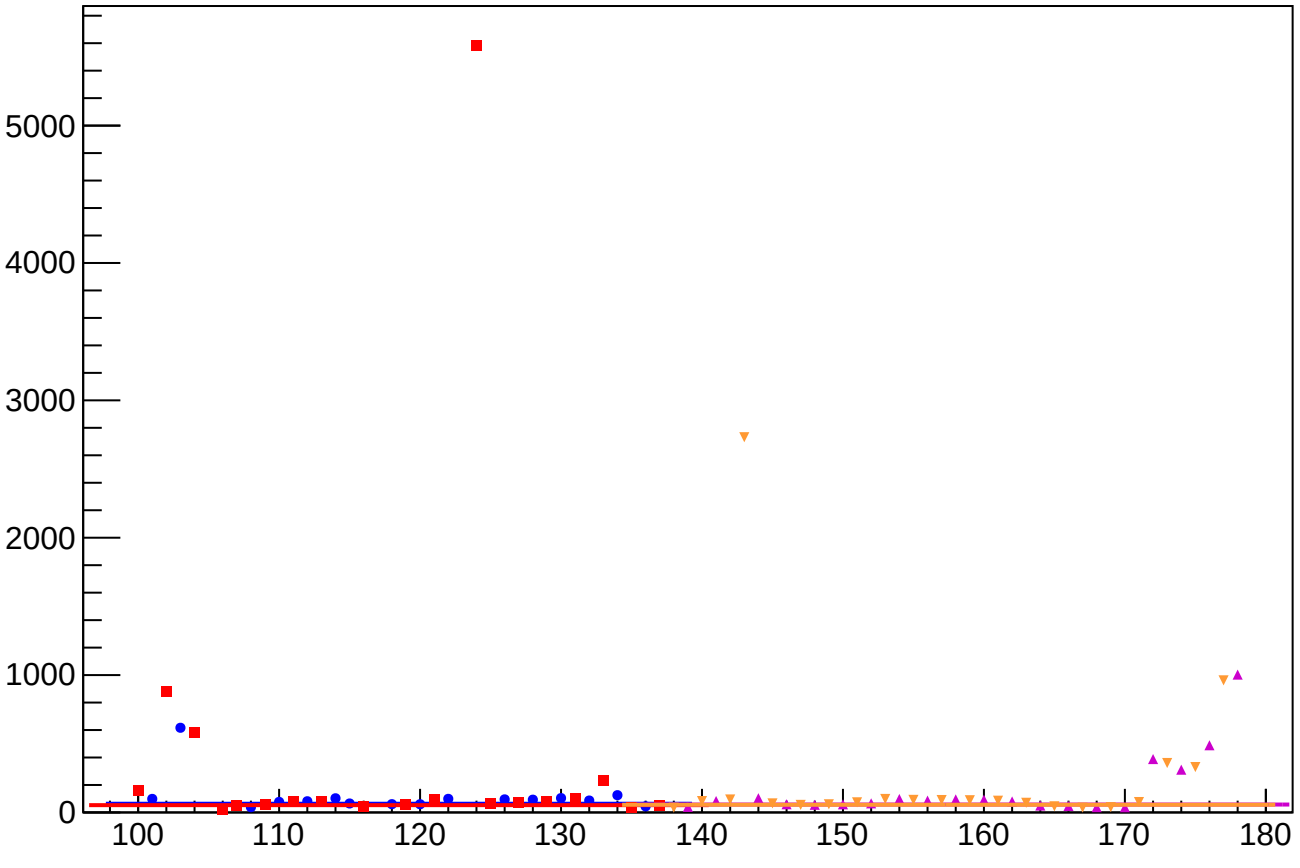
Left: 0.014+/-0.012 χ^2/NDF: 42.5/40

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.014+/-0.015 χ^2/NDF:27.0/35

Out: 0.047+/-0.014 χ^2/NDF:33.9/39

All: 0.018+/-0.010 χ^2/NDF: 69.9/75



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: 57.623+/-0.012 χ^2/NDF:7146562.3/19

Left: 56.852+/-0.009 χ^2/NDF: 15131560.9/40

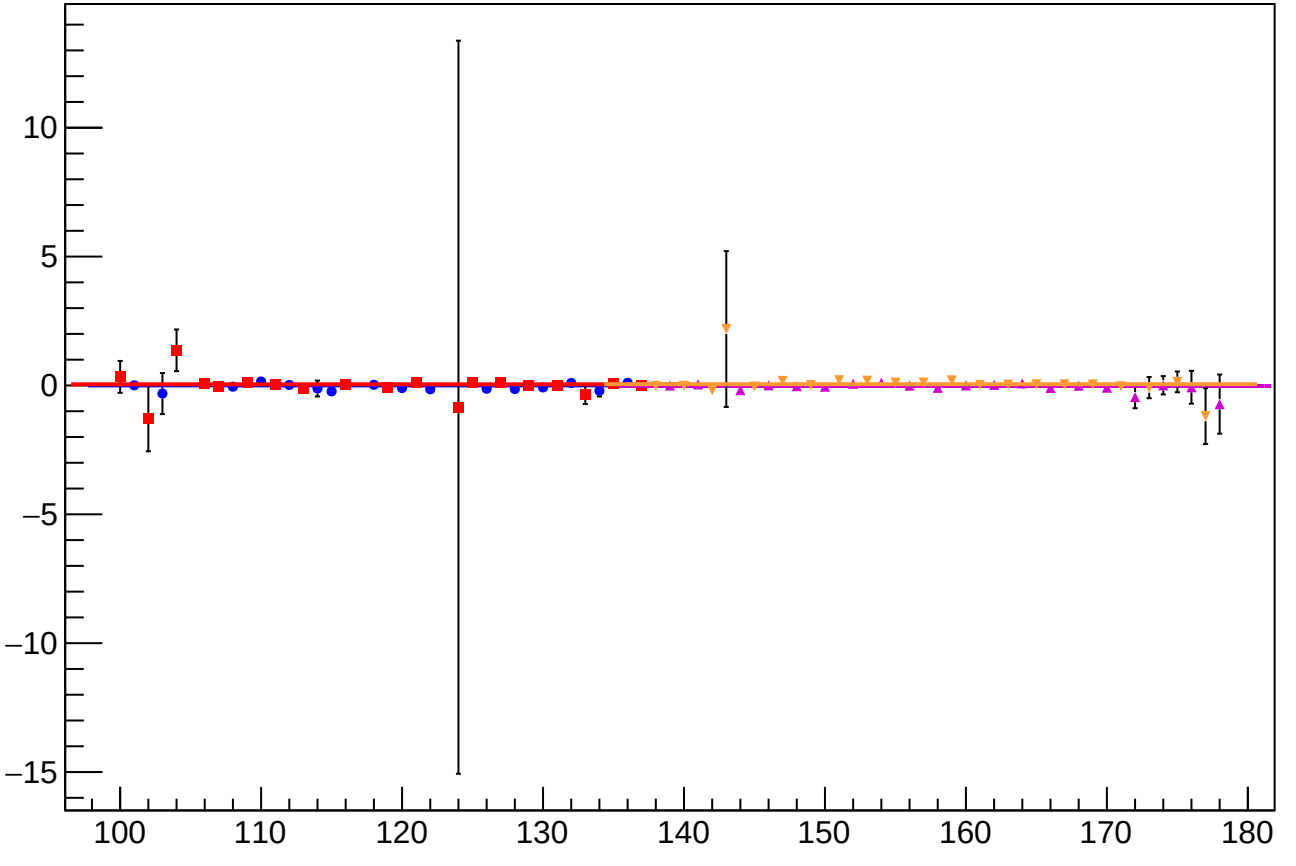
Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 59.282+/-0.010 χ^2/NDF:9656842.9/35

Out: 55.165+/-0.010 χ^2/NDF:11941682.5/39

All: 57.158+/-0.007 χ^2/NDF: 21681631.0/75

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:13.1/19

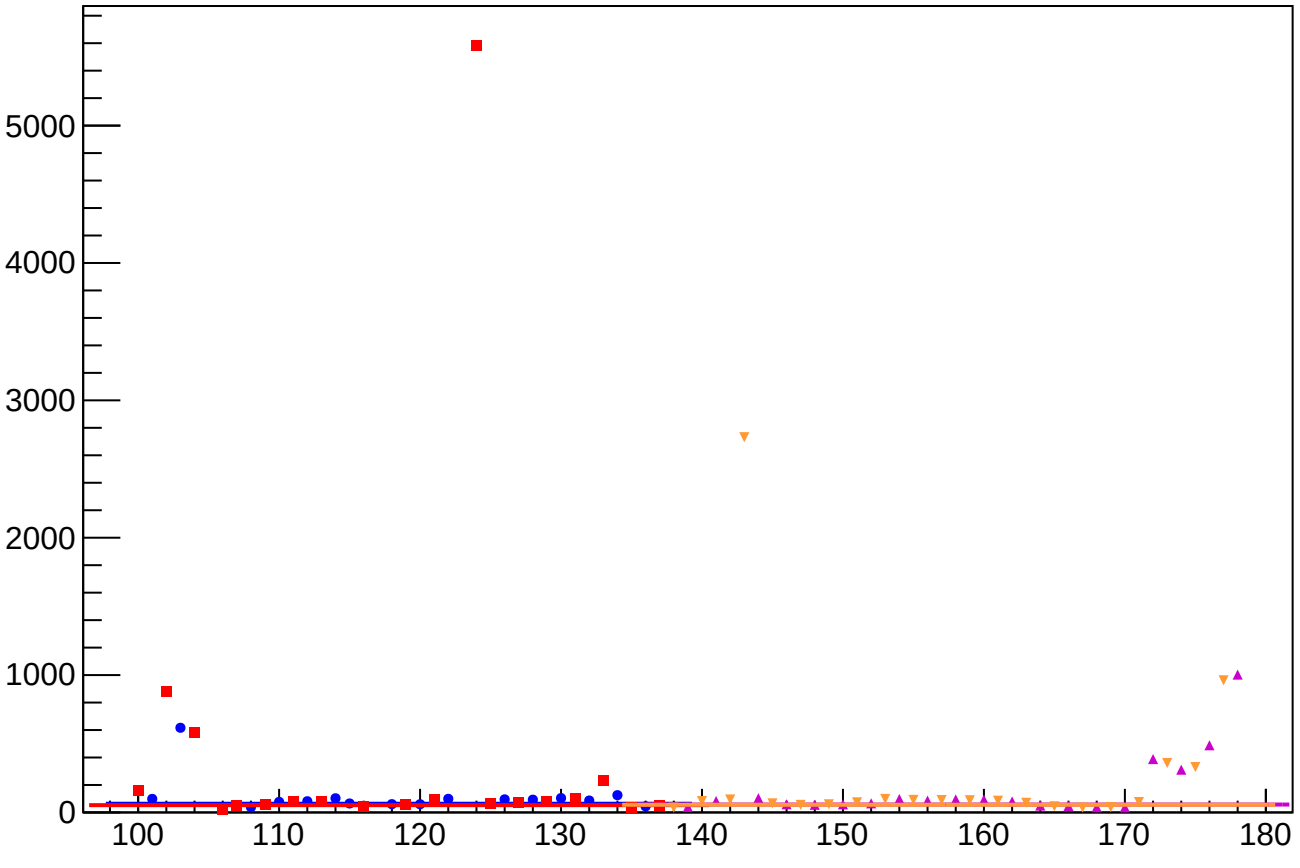
Left: 0.014+/-0.012 χ^2/NDF: 42.5/40

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.014+/-0.015 χ^2/NDF:27.0/35

Out: 0.047+/-0.014 χ^2/NDF:33.9/39

All: 0.018+/-0.010 χ^2/NDF: 69.9/75



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: 57.623+/-0.012 χ^2/NDF:7146562.3/19

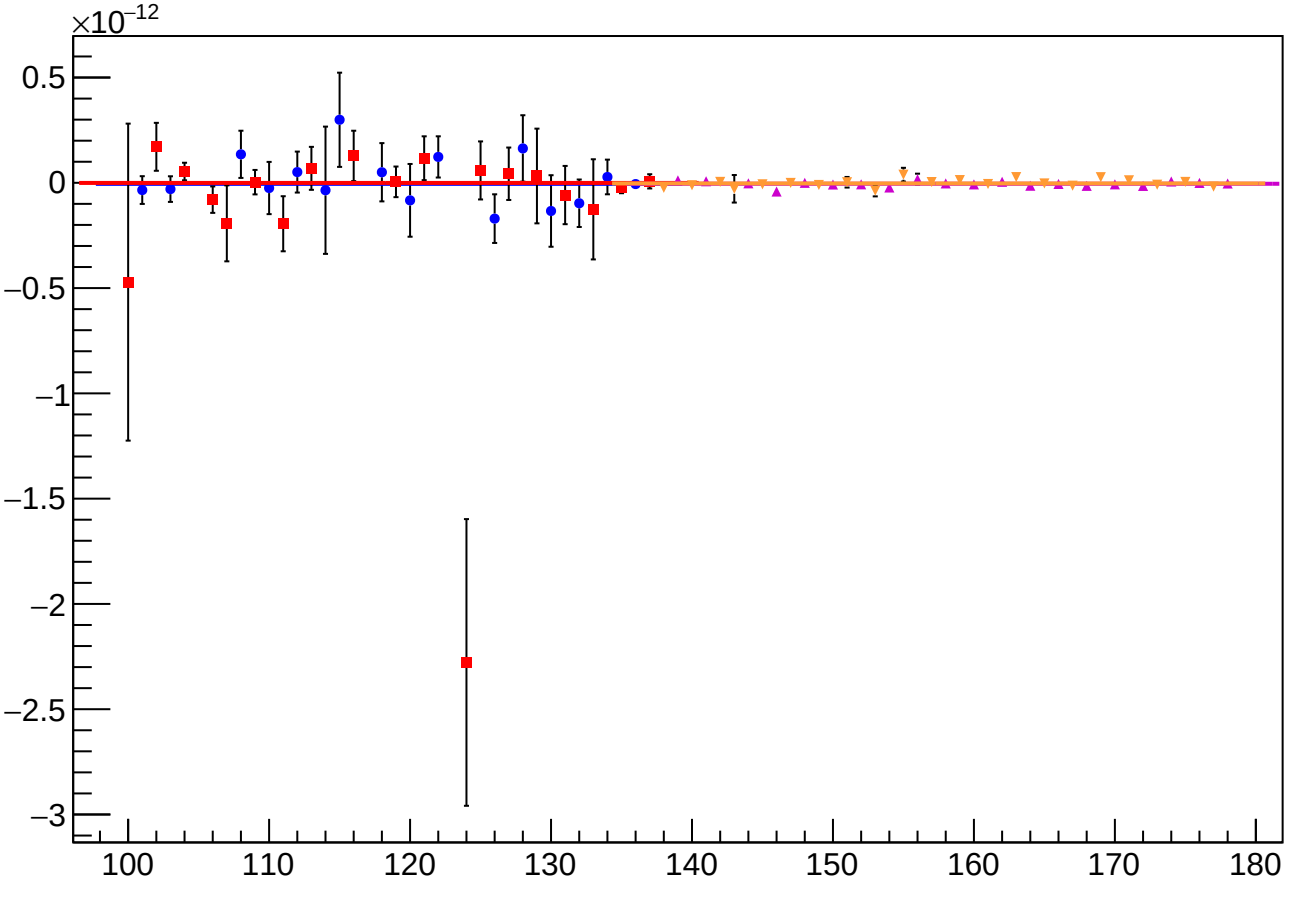
Left: 56.852+/-0.009 χ^2/NDF: 15131560.9/40

Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 59.282+/-0.010 χ^2/NDF:9656842.9/35

Out: 55.165+/-0.010 χ^2/NDF:11941682.5/39

All: 57.158+/-0.007 χ^2/NDF: 21681631.0/75



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:11.1/19

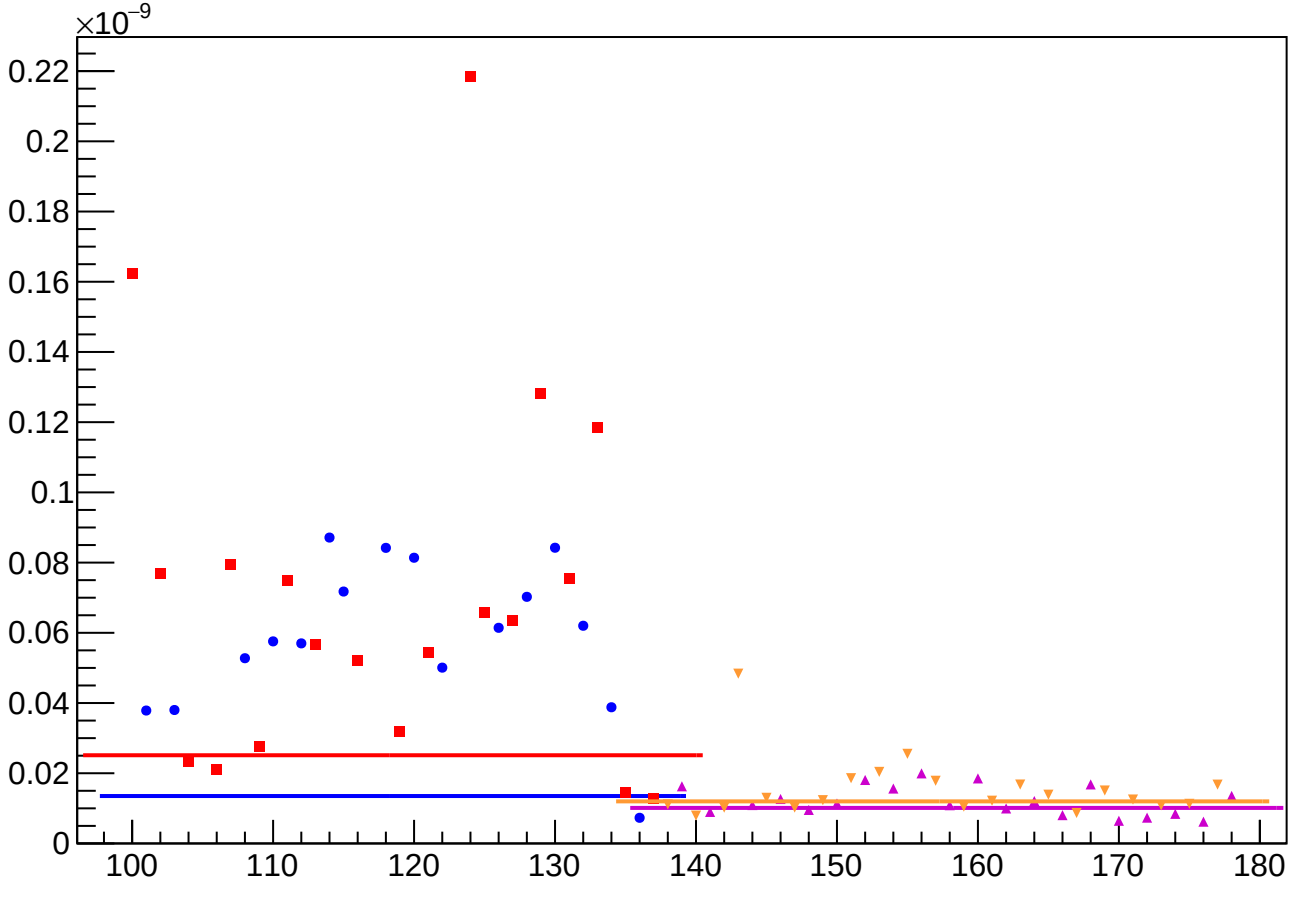
Left: -0.000+/-0.000 χ^2/NDF: 25.5/40

Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: -0.000+/-0.000 χ^2/NDF:21.9/35

Out: -0.000+/-0.000 χ^2/NDF:39.5/39

All: -0.000+/-0.000 χ^2/NDF: 61.5/75



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:2211703.3/19

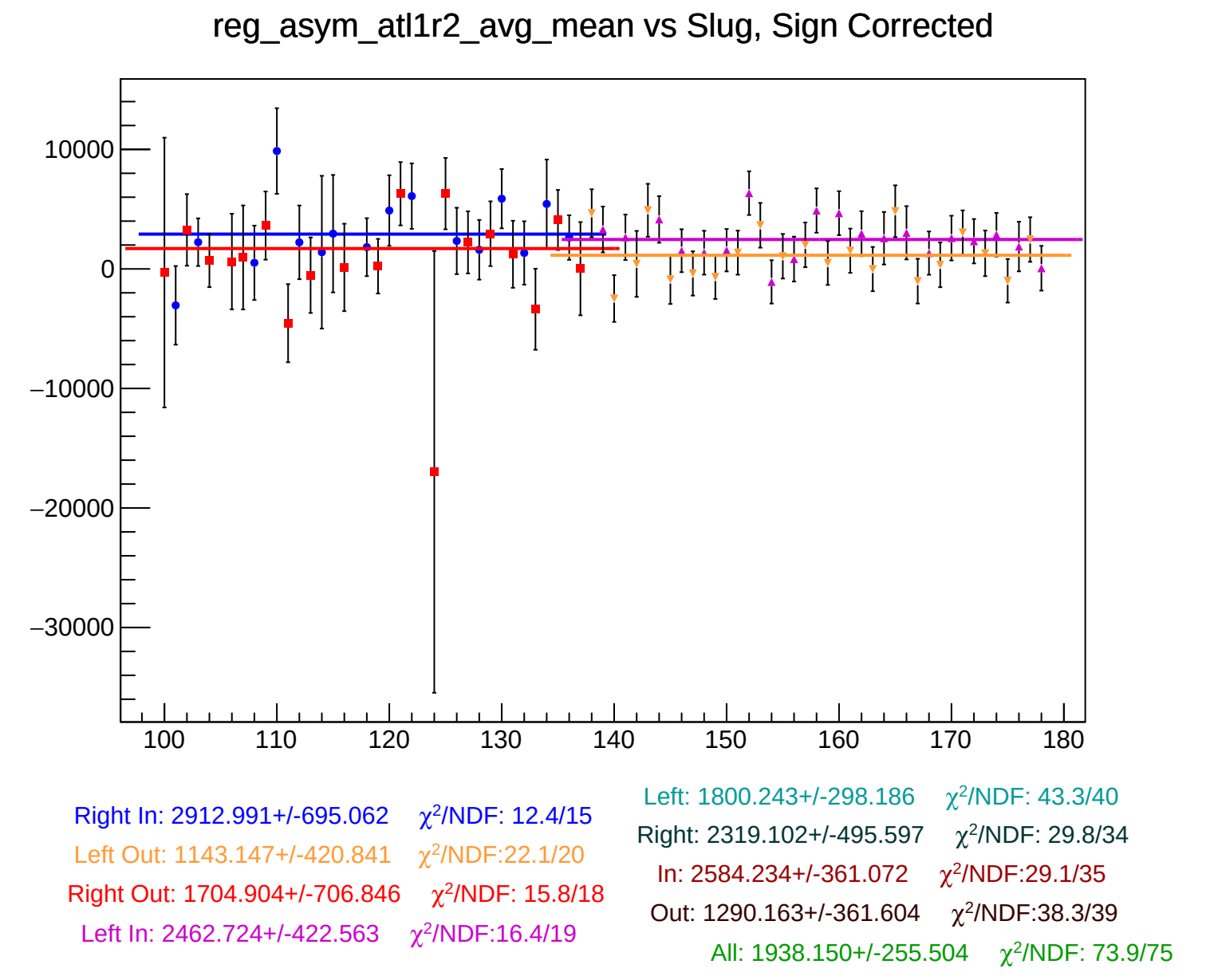
Left: 0.000+/-0.000 χ^2/NDF: 4734462.6/40

Right: 0.000+/-0.000 χ^2/NDF: 9384983.4/34

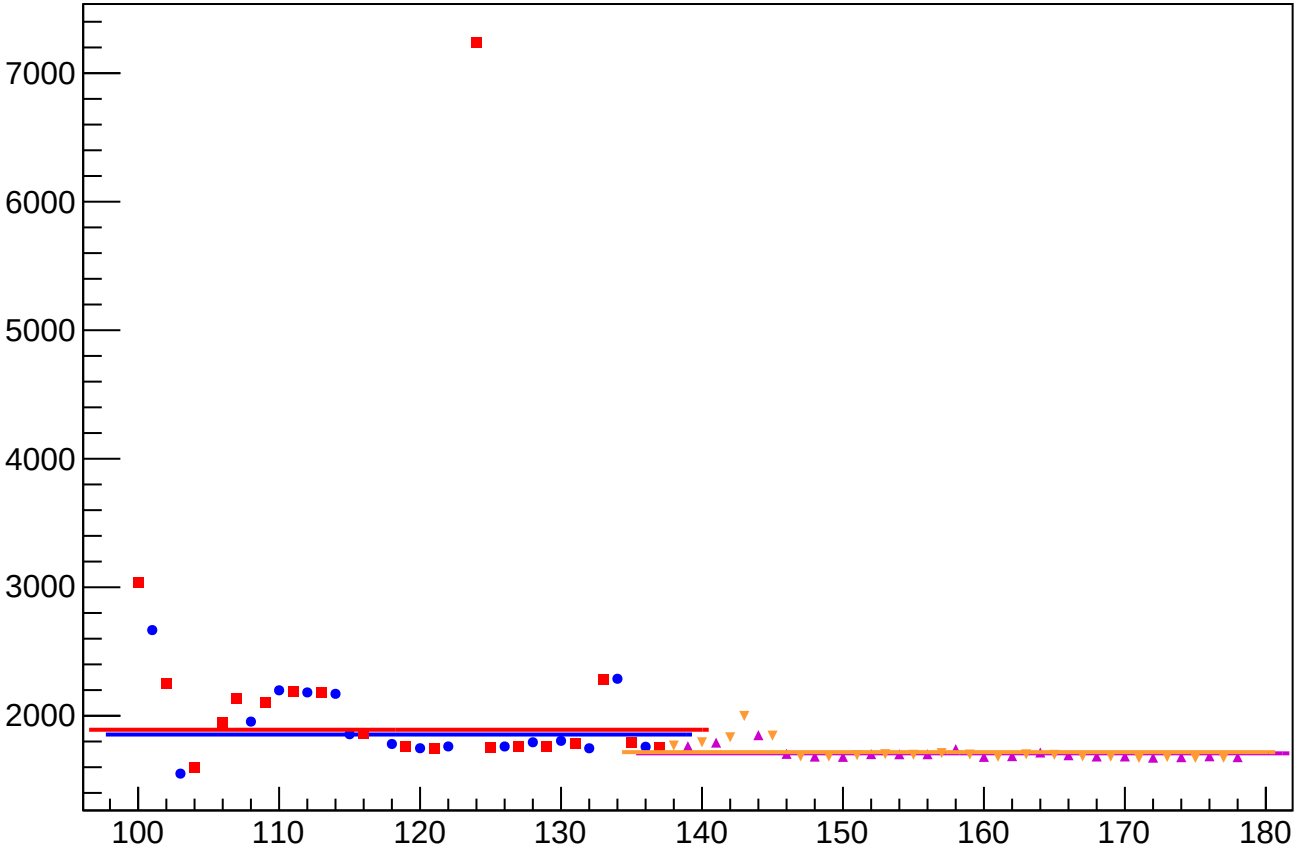
In: 0.000+/-0.000 χ^2/NDF:7402136.6/35

Out: 0.000+/-0.000 χ^2/NDF:7257496.3/39

All: 0.000+/-0.000 χ^2/NDF: 15123048.5/75


reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: 2912.991+/-695.062 χ²/NDF: 12.4/15
Left Out: 1143.147+/-420.841 χ²/NDF:22.1/20
Right Out: 1704.904+/-706.846 χ²/NDF: 15.8/18
Left In: 2462.724+/-422.563 χ²/NDF:16.4/19
Left: 1800.243+/-298.186 χ²/NDF: 43.3/40
Right: 2319.102+/-495.597 χ²/NDF: 29.8/34
In: 2584.234+/-361.072 χ²/NDF:29.1/35
Out: 1290.163+/-361.604 χ²/NDF:38.3/39
All: 1938.150+/-255.504 χ²/NDF: 73.9/75

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: 1707.866+/-0.299 χ^2/NDF:21041.3/19

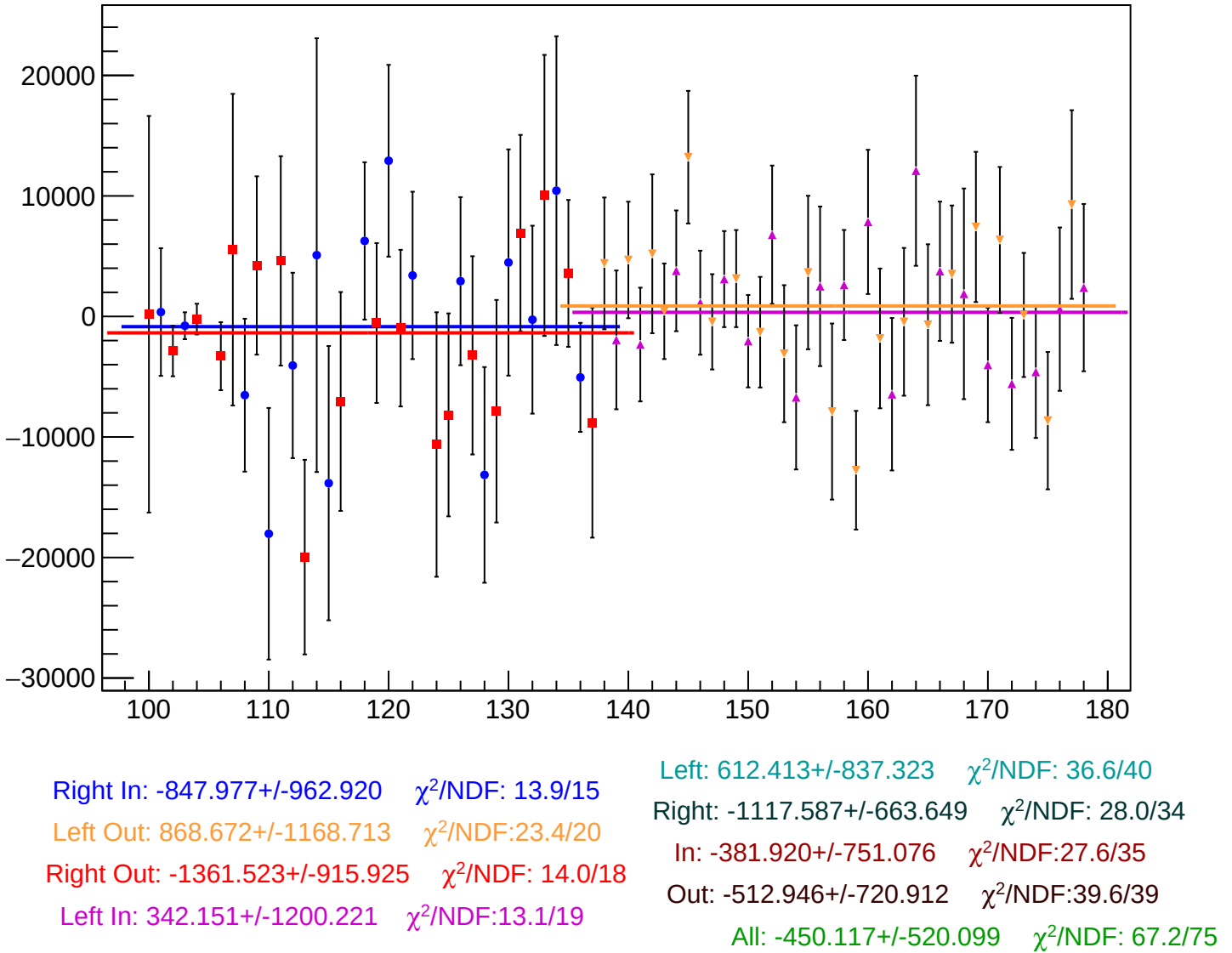
Left: 1712.638+/-0.211 χ^2/NDF: 78796.3/40

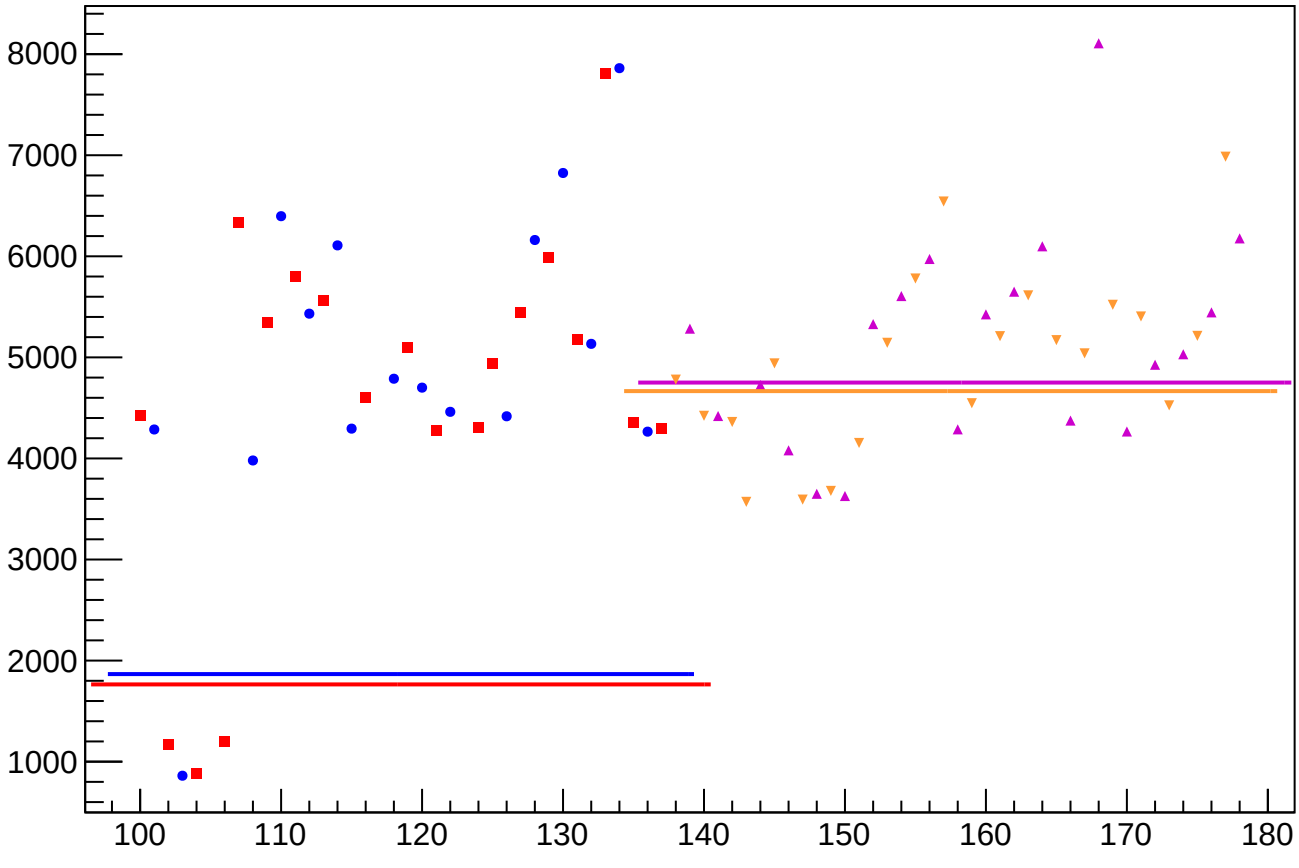
Right: 1872.622+/-0.350 χ^2/NDF: 630189.4/34

In: 1747.387+/-0.255 χ^2/NDF:349190.5/35

Out: 1763.090+/-0.256 χ^2/NDF:511182.1/39

All: 1755.231+/-0.181 χ^2/NDF: 862262.4/75


asym_atl1r2_avg_reg_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: -847.977+/-962.920 χ²/NDF: 13.9/15
Left Out: 868.672+/-1168.713 χ²/NDF:23.4/20
Right Out: -1361.523+/-915.925 χ²/NDF: 14.0/18
Left In: 342.151+/-1200.221 χ²/NDF:13.1/19
Left: 612.413+/-837.323 χ²/NDF: 36.6/40
Right: -1117.587+/-663.649 χ²/NDF: 28.0/34
In: -381.920+/-751.076 χ²/NDF:27.6/35
Out: -512.946+/-720.912 χ²/NDF:39.6/39
All: -450.117+/-520.099 χ²/NDF: 67.2/75



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: 4750.807+/-0.849 χ^2/NDF:1110491.3/19

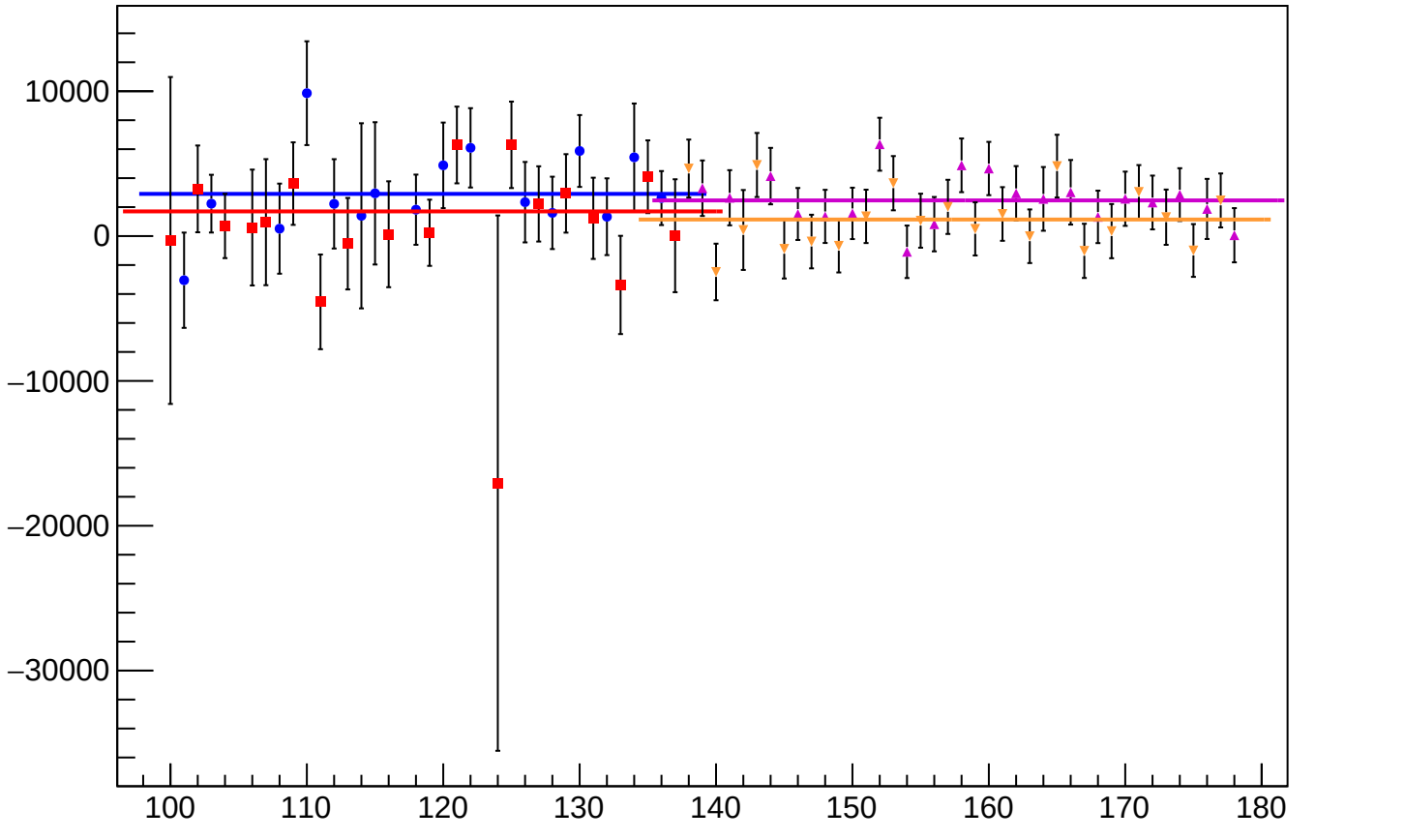
Left: 4707.389+/-0.592 χ^2/NDF: 2132942.8/40

Right: 1812.790+/-0.469 χ^2/NDF: 13296256.2/34

In: 2995.944+/-0.531 χ^2/NDF:14987727.9/35

Out: 2868.454+/-0.510 χ^2/NDF:15091146.7/39

All: 2929.587+/-0.368 χ^2/NDF: 30108867.7/7



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: 2462.678+/-422.563 χ^2/NDF:16.4/19

Left: 1800.167+/-298.186 χ^2/NDF: 43.3/40

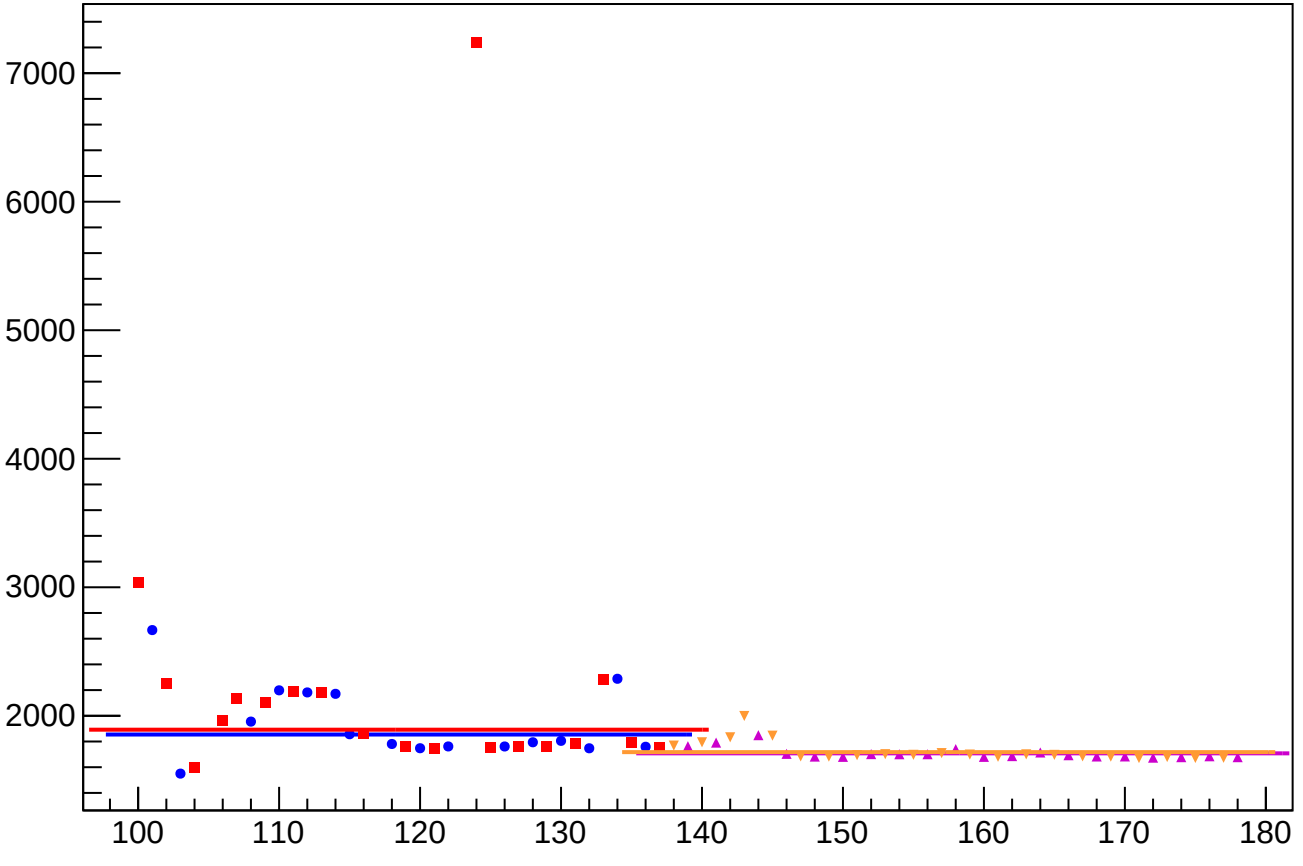
Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2584.227+/-361.072 χ^2/NDF:29.1/35

Out: 1289.724+/-361.604 χ^2/NDF:38.4/39

All: 1937.928+/-255.504 χ^2/NDF: 73.9/75

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: 1707.866+/-0.299 χ^2/NDF:21041.3/19

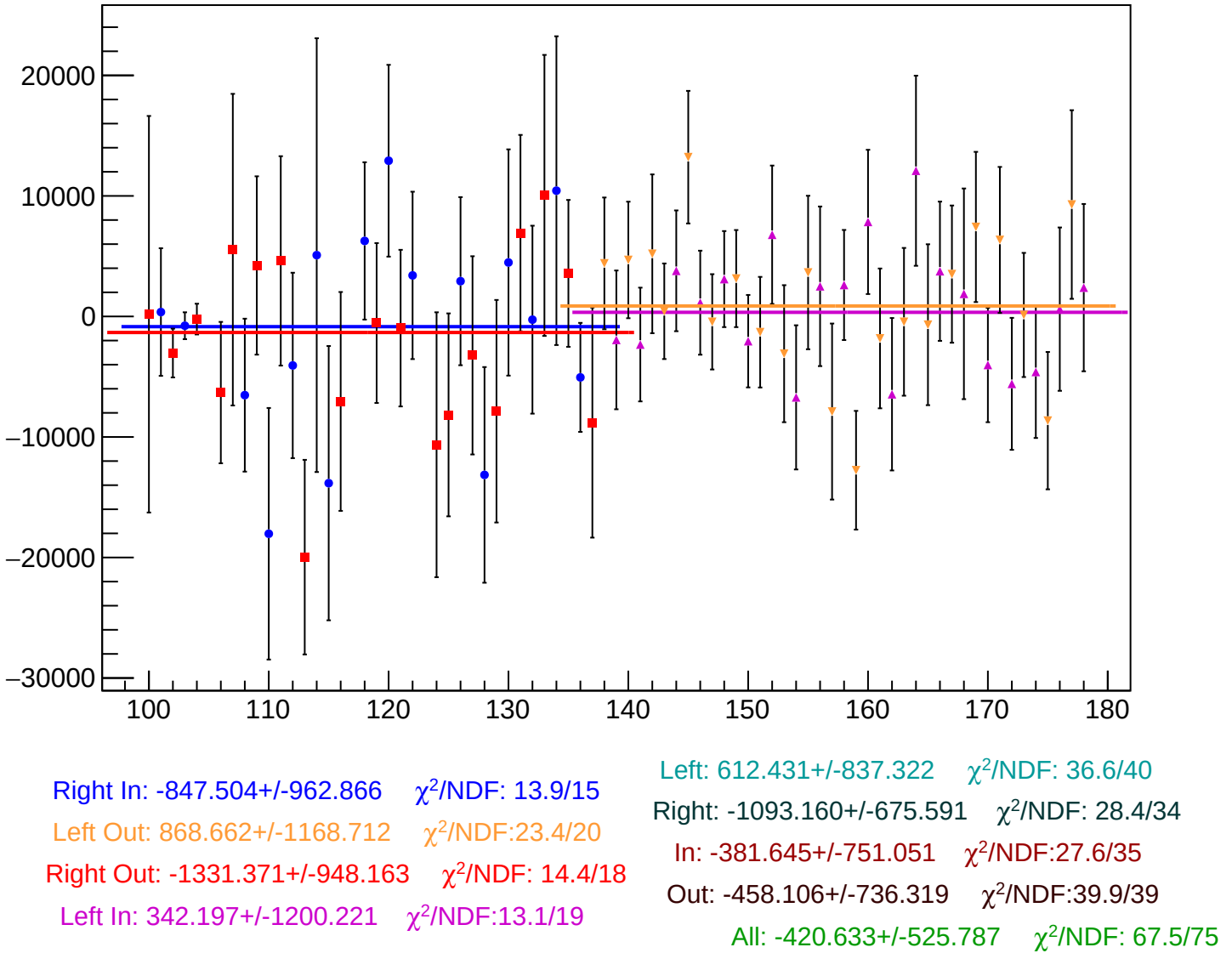
Left: 1712.638+/-0.211 χ^2/NDF: 78796.3/40

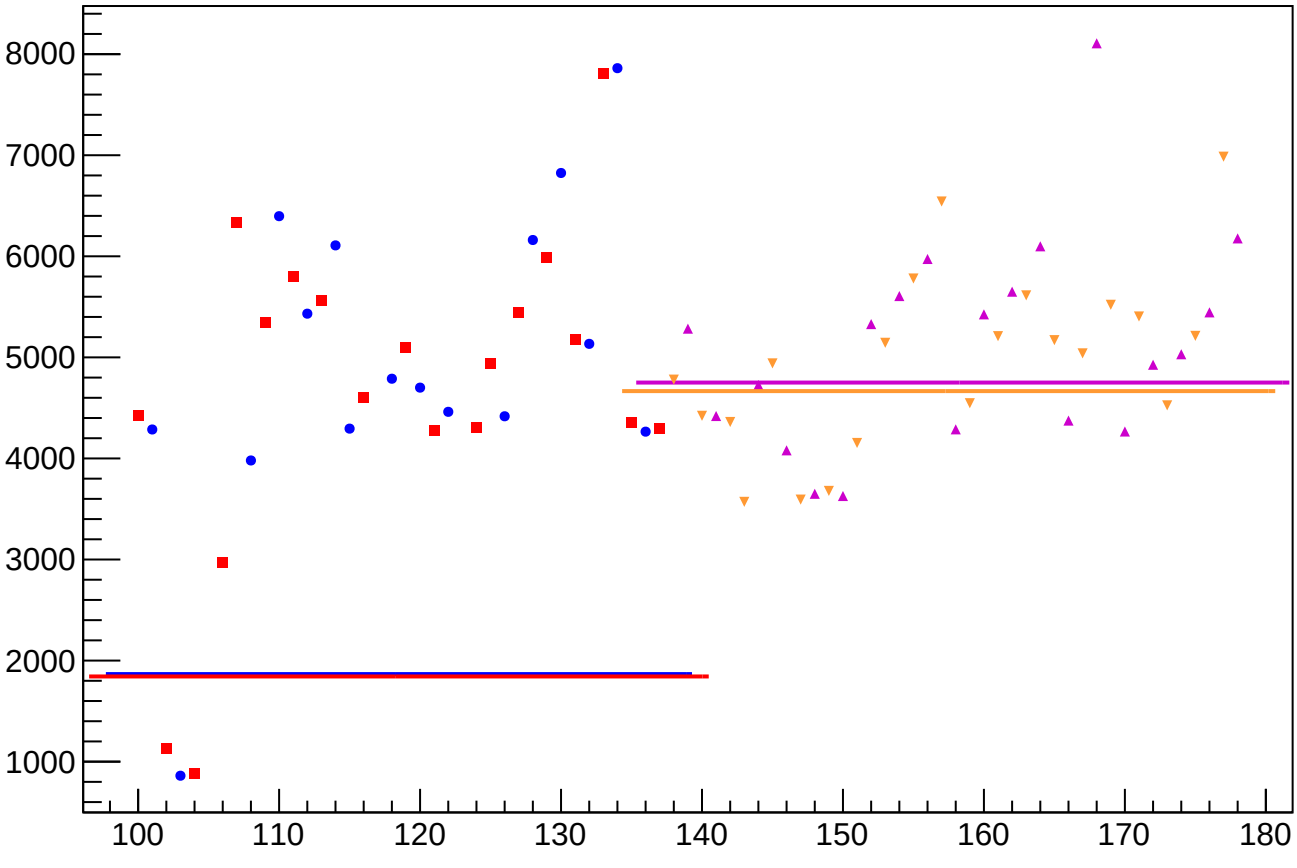
Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1747.387+/-0.255 χ^2/NDF:349190.4/35

Out: 1763.195+/-0.256 χ^2/NDF:511867.3/39

All: 1755.283+/-0.181 χ^2/NDF: 862972.8/75


asym_atl1r2_avg_cor_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: -847.504+/-962.866 χ²/NDF: 13.9/15
Left Out: 868.662+/-1168.712 χ²/NDF:23.4/20
Right Out: -1331.371+/-948.163 χ²/NDF: 14.4/18
Left In: 342.197+/-1200.221 χ²/NDF:13.1/19
Left: 612.431+/-837.322 χ²/NDF: 36.6/40
Right: -1093.160+/-675.591 χ²/NDF: 28.4/34
In: -381.645+/-751.051 χ²/NDF:27.6/35
Out: -458.106+/-736.319 χ²/NDF:39.9/39
All: -420.633+/-525.787 χ²/NDF: 67.5/75



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: 4750.806+/-0.849 χ^2/NDF:1110509.0/19

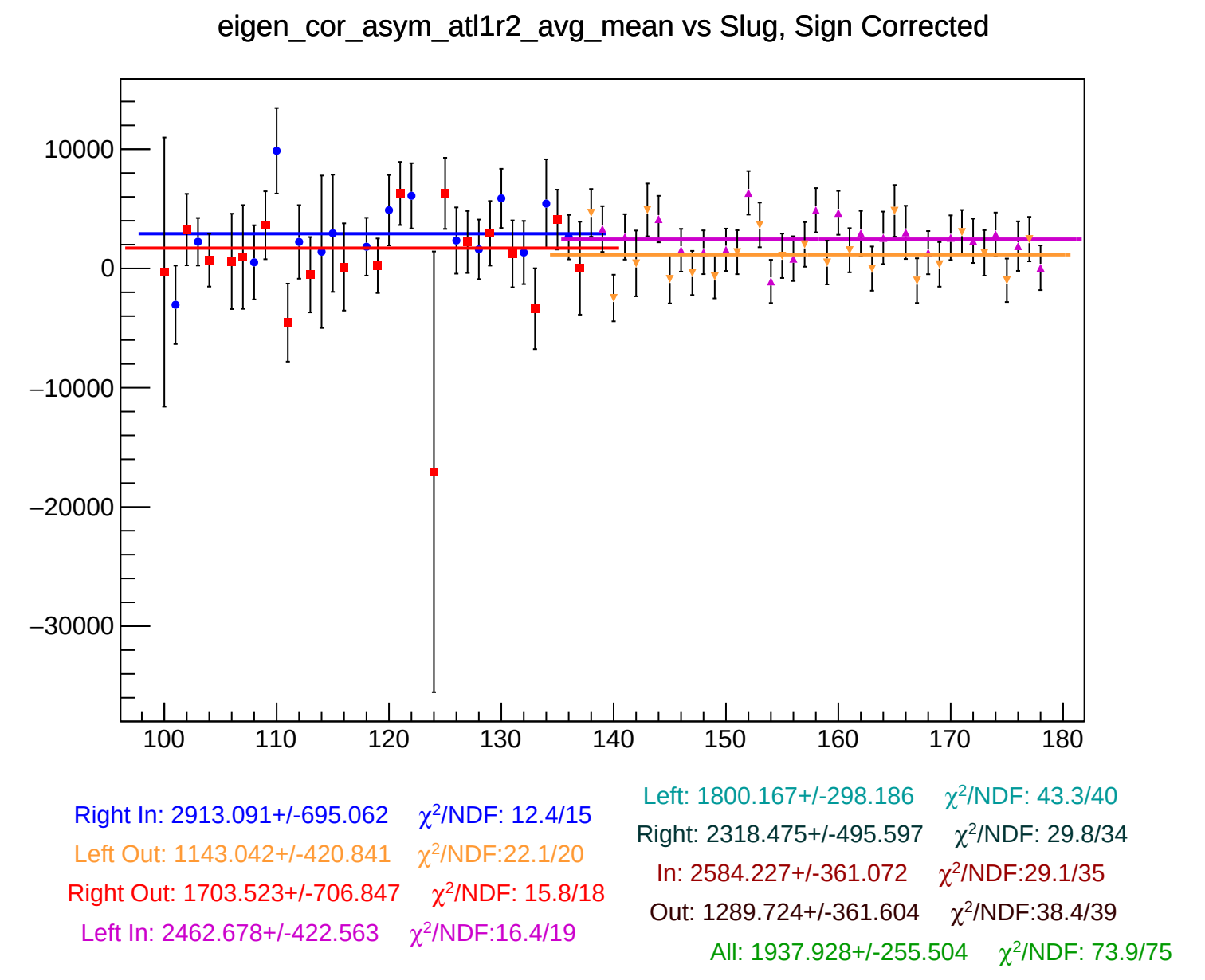
Left: 4707.385+/-0.592 χ^2/NDF: 2132976.4/40

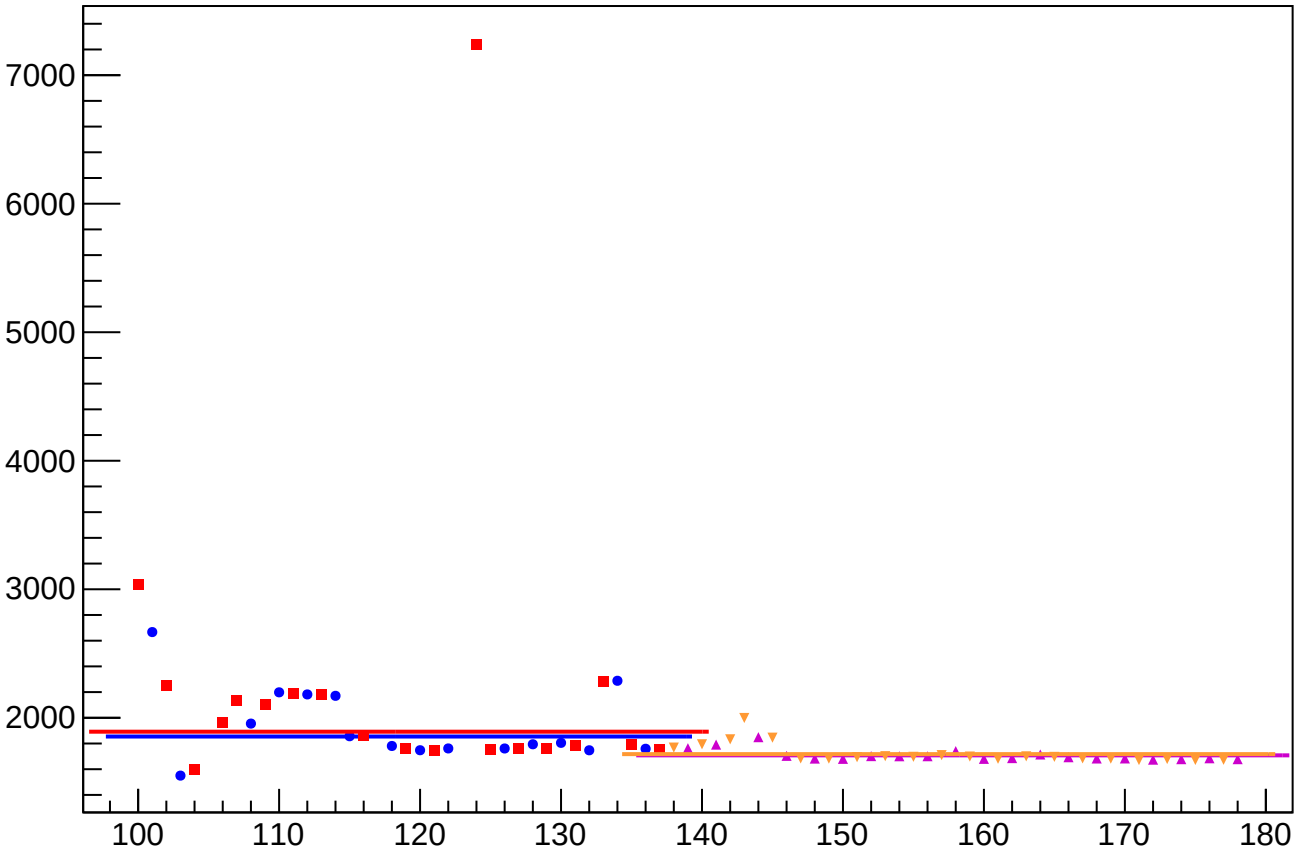
Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2995.774+/-0.531 χ^2/NDF:14989214.4/35

Out: 2963.555+/-0.521 χ^2/NDF:14514727.7/39

All: 2979.345+/-0.372 χ^2/NDF: 29505818.9/7


eigen_cor_asym_atl1r2_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
Right In: 2913.091+/-695.062 χ²/NDF: 12.4/15
Left Out: 1143.042+/-420.841 χ²/NDF:22.1/20
Right Out: 1703.523+/-706.847 χ²/NDF: 15.8/18
Left In: 2462.678+/-422.563 χ²/NDF:16.4/19
Left: 1800.167+/-298.186 χ²/NDF: 43.3/40
Right: 2318.475+/-495.597 χ²/NDF: 29.8/34
In: 2584.227+/-361.072 χ²/NDF:29.1/35
Out: 1289.724+/-361.604 χ²/NDF:38.4/39
All: 1937.928+/-255.504 χ²/NDF: 73.9/75



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: 1707.866+/-0.299 χ^2/NDF:21041.3/19

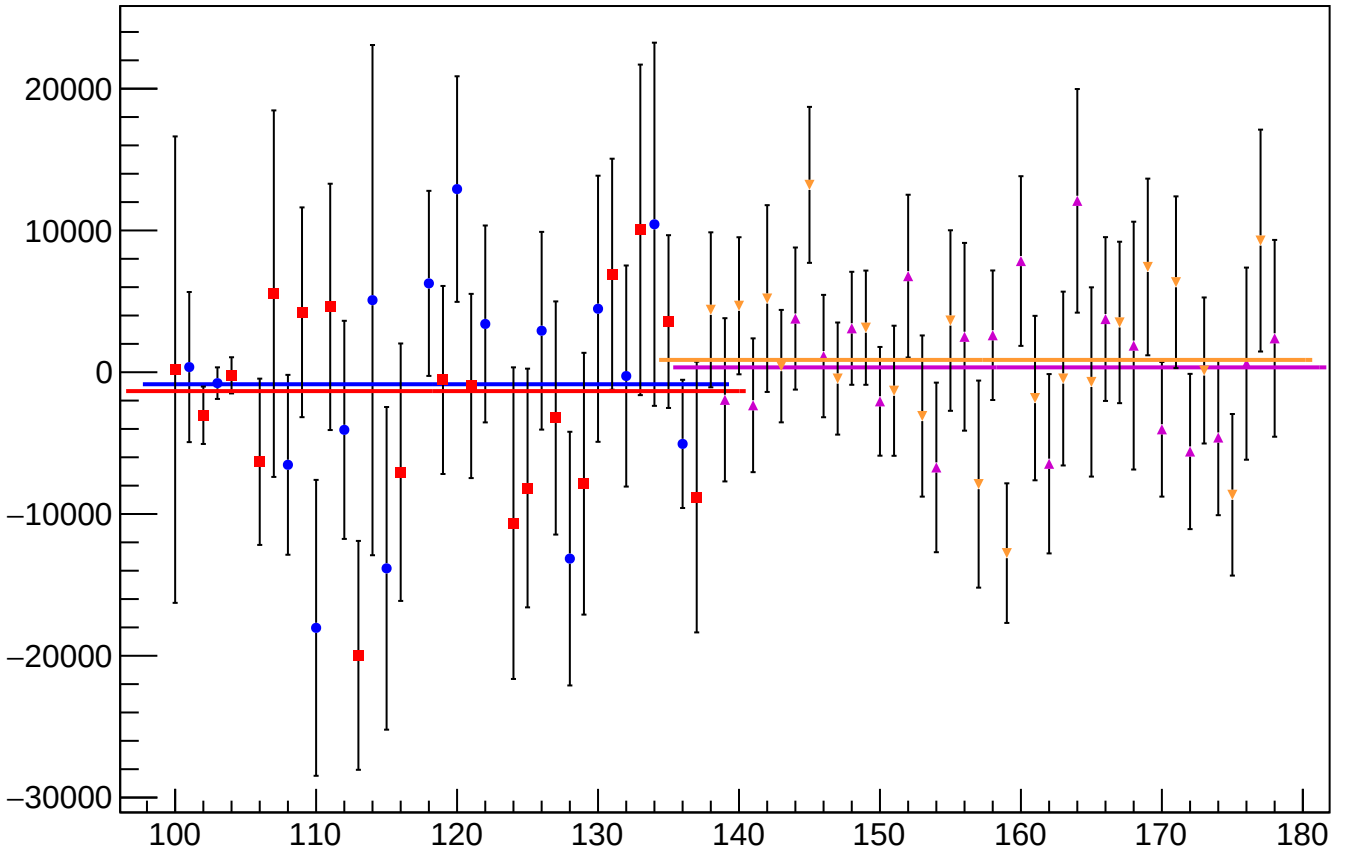
Left: 1712.638+/-0.211 χ^2/NDF: 78796.3/40

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1747.387+/-0.255 χ^2/NDF:349190.4/35

Out: 1763.195+/-0.256 χ^2/NDF:511867.3/39

All: 1755.283+/-0.181 χ^2/NDF: 862972.8/75



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: 342.197+/-1200.221 χ^2/NDF:13.1/19

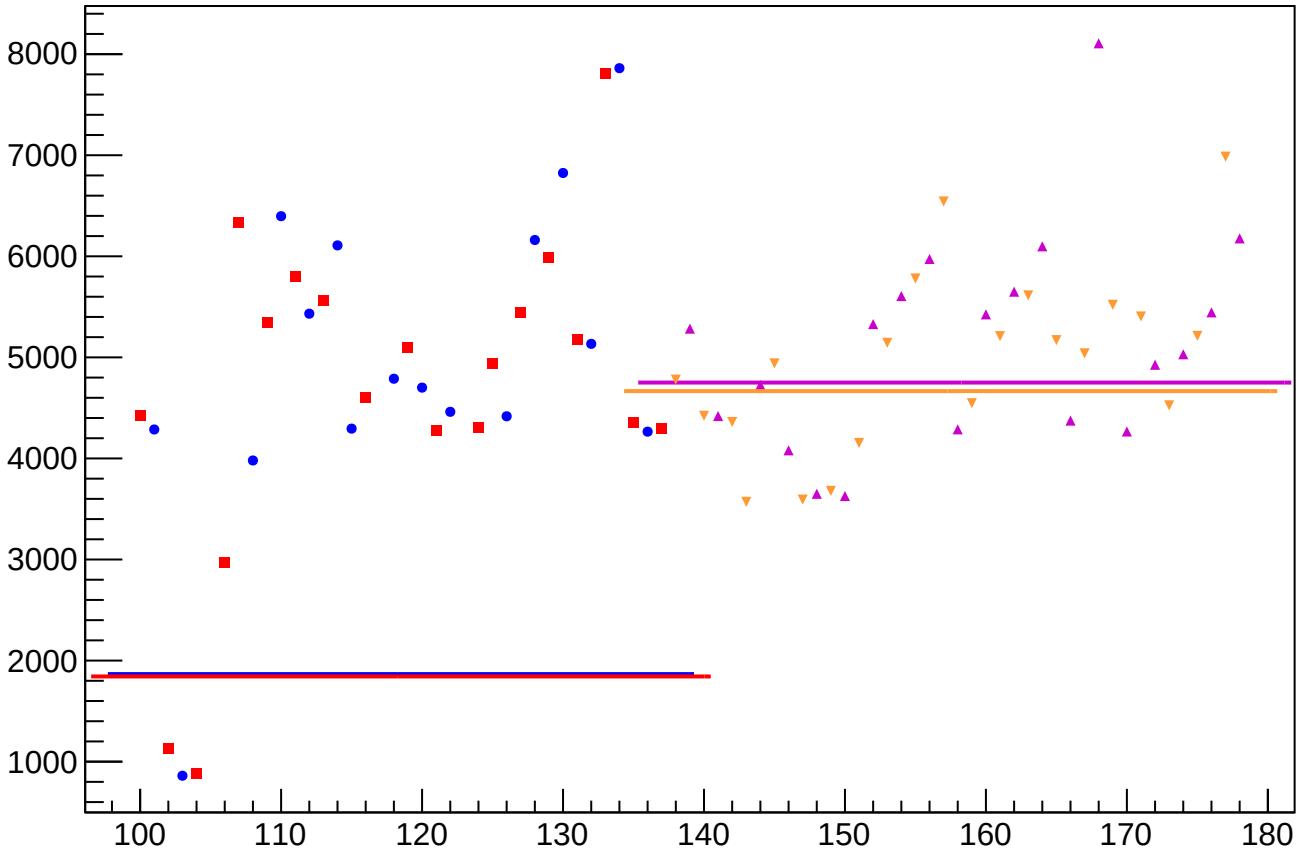
Left: 612.431+/-837.322 χ^2/NDF: 36.6/40

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -381.645+/-751.051 χ^2/NDF:27.6/35

Out: -458.106+/-736.319 χ^2/NDF:39.9/39

All: -420.633+/-525.787 χ^2/NDF: 67.5/75



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: 4750.806+/-0.849 χ^2/NDF:1110509.0/19

Left: 4707.385+/-0.592 χ^2/NDF: 2132976.4/40

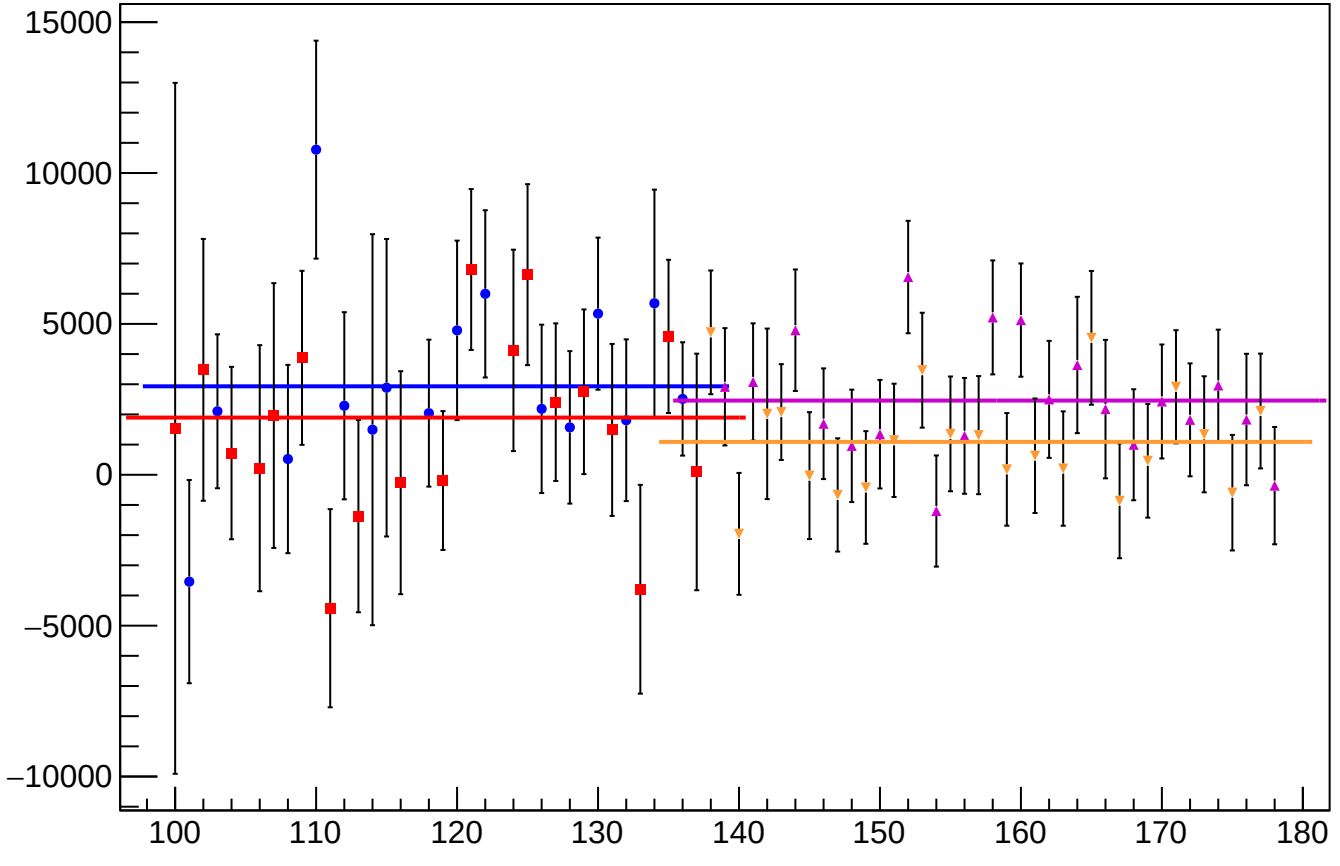
Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2995.774+/-0.531 χ^2/NDF:14989214.4/35

Out: 2963.555+/-0.521 χ^2/NDF:14514727.7/39

All: 2979.345+/-0.372 χ^2/NDF: 29505818.9/7

dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1090.563+/-422.277 χ^2/NDF:15.4/20

Right Out: 1895.503+/-721.954 χ^2/NDF: 17.4/18

Left In: 2459.251+/-431.515 χ^2/NDF:19.3/19

Left: 1760.100+/-301.808 χ^2/NDF: 39.9/40

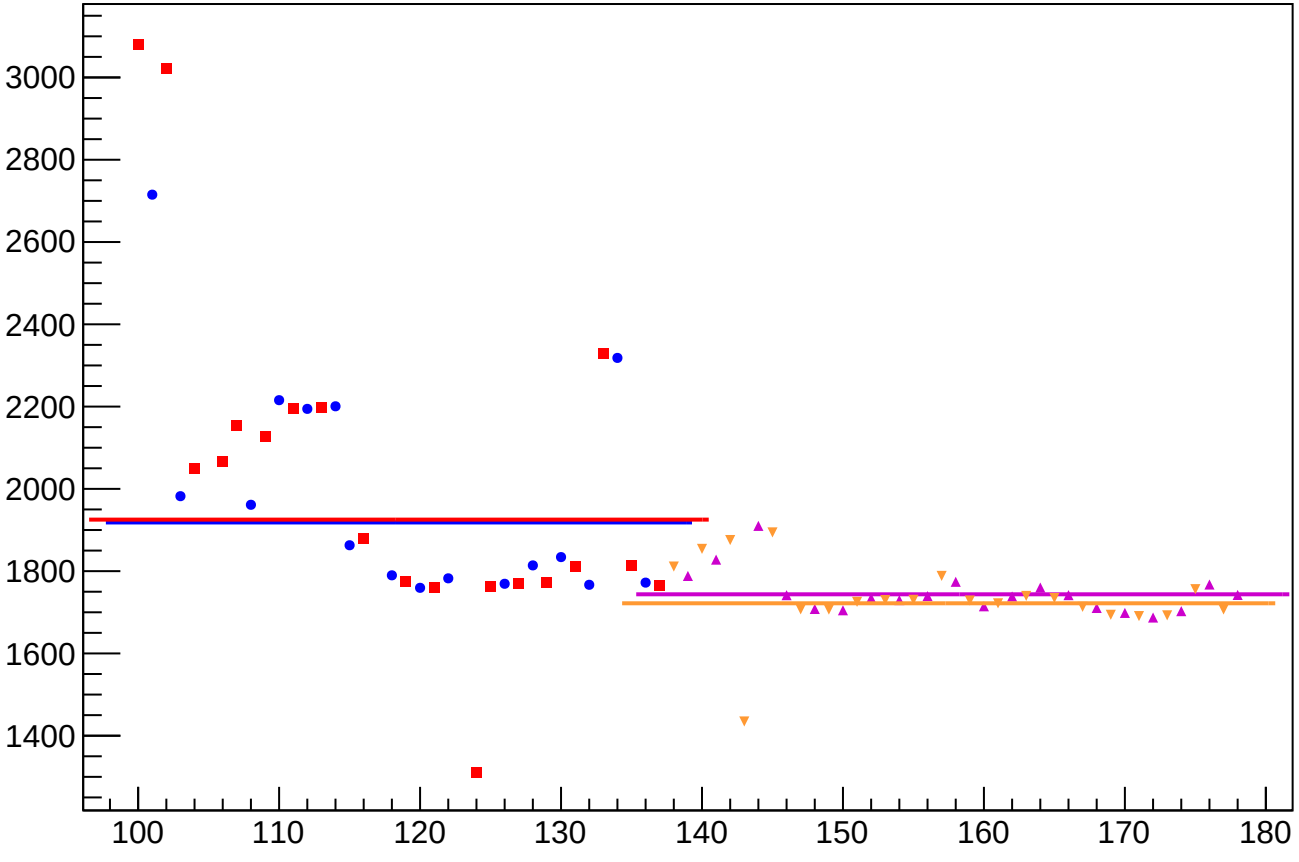
Right: 2416.221+/-509.204 χ^2/NDF: 31.4/34

In: 2584.535+/-369.900 χ^2/NDF:32.6/35

Out: 1295.749+/-364.504 χ^2/NDF:33.7/39

All: 1930.673+/-259.630 χ^2/NDF: 72.5/75

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: 1743.744+/-0.305 χ^2/NDF:26274.2/19

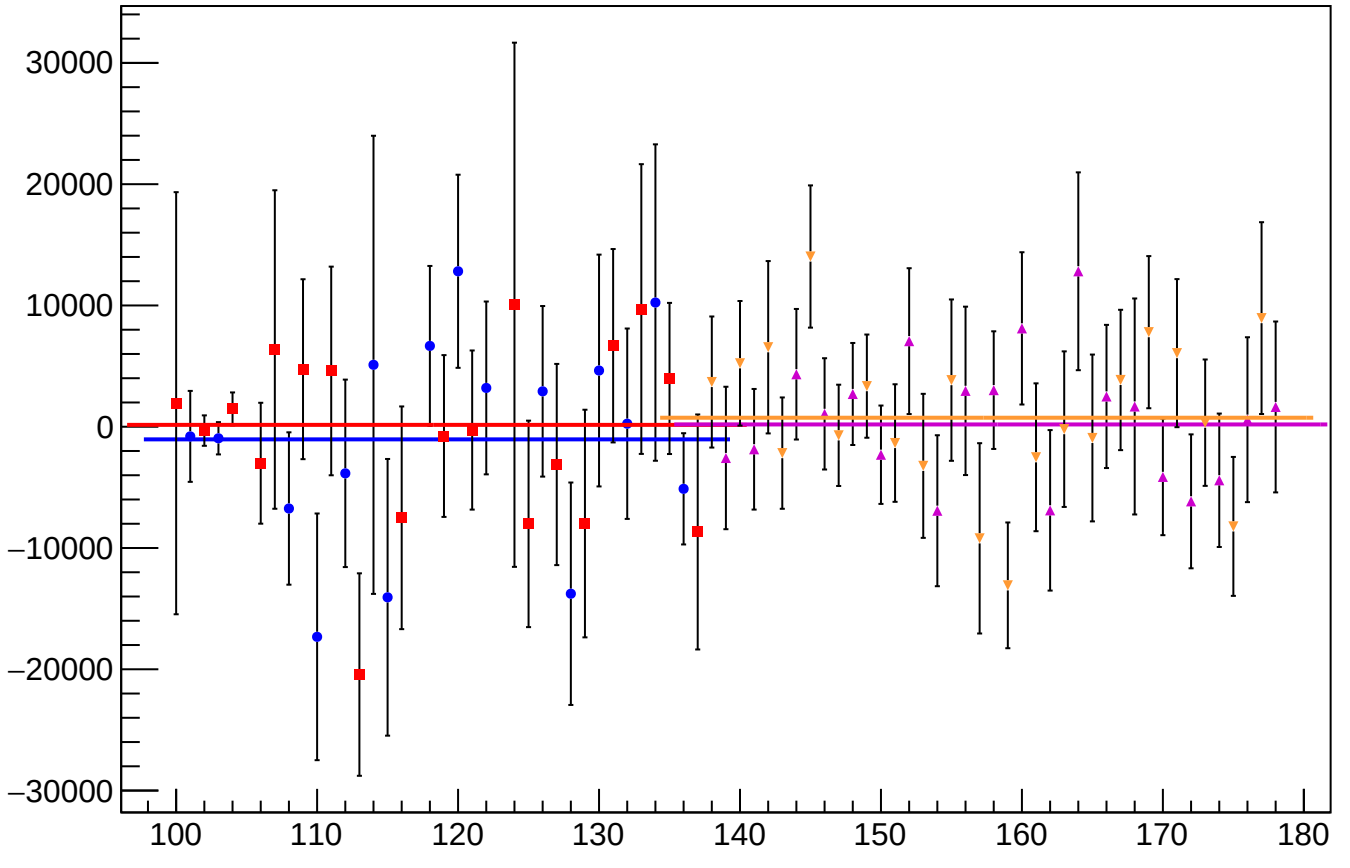
Left: 1732.576+/-0.213 χ^2/NDF: 131275.1/40

Right: 1921.799+/-0.360 χ^2/NDF: 554779.7/34

In: 1790.052+/-0.262 χ^2/NDF:328721.2/35

Out: 1773.788+/-0.258 χ^2/NDF:559876.6/39

All: 1781.799+/-0.184 χ^2/NDF: 890559.9/75



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: 188.638+/-1249.119 χ^2/NDF:13.1/19

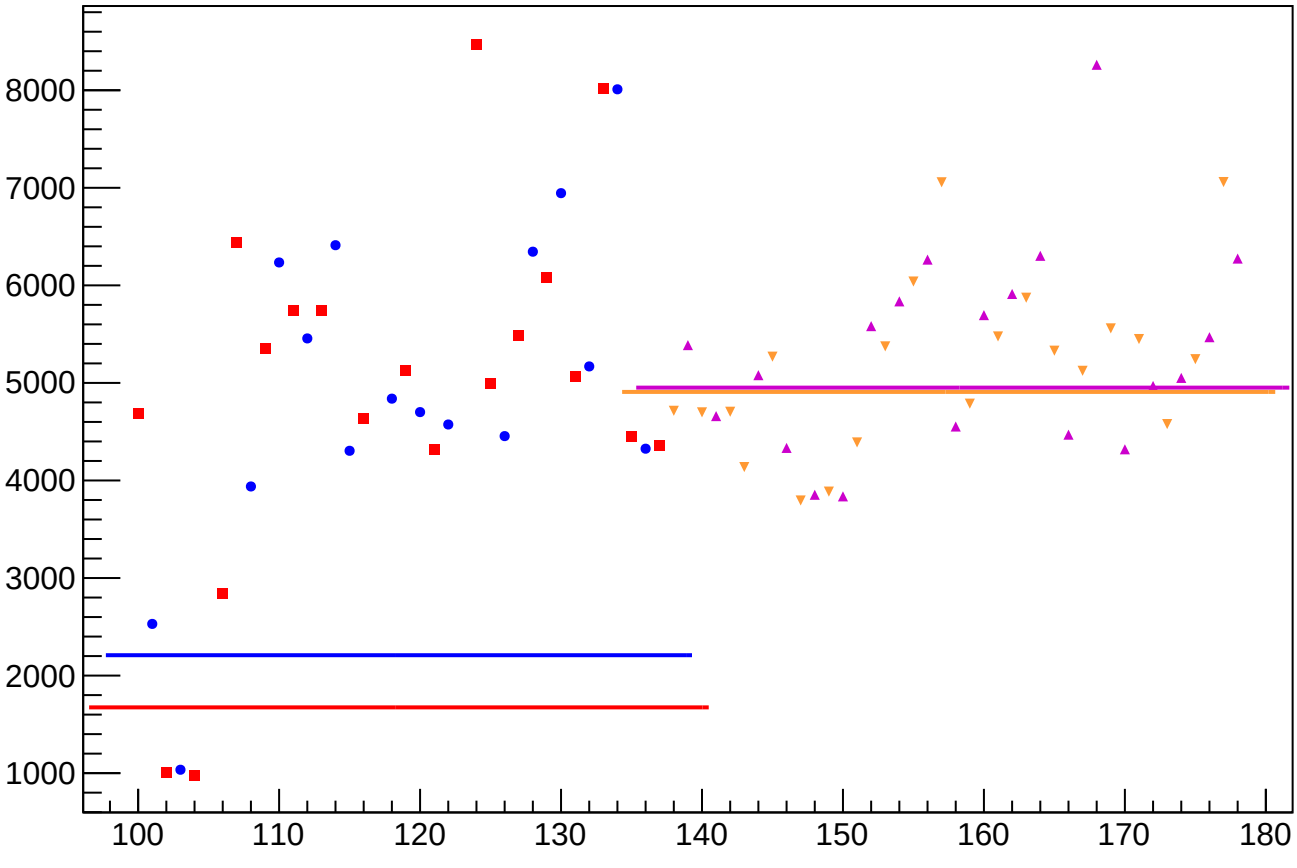
Left: 470.942+/-874.812 χ^2/NDF: 36.7/40

Right: -298.053+/-659.161 χ^2/NDF: 28.3/34

In: -519.764+/-813.674 χ^2/NDF:27.5/35

Out: 340.577+/-690.429 χ^2/NDF:37.4/39

All: -19.568+/-526.446 χ^2/NDF: 65.5/75



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: 4951.678+/-0.883 χ^2/NDF:1021849.8/19

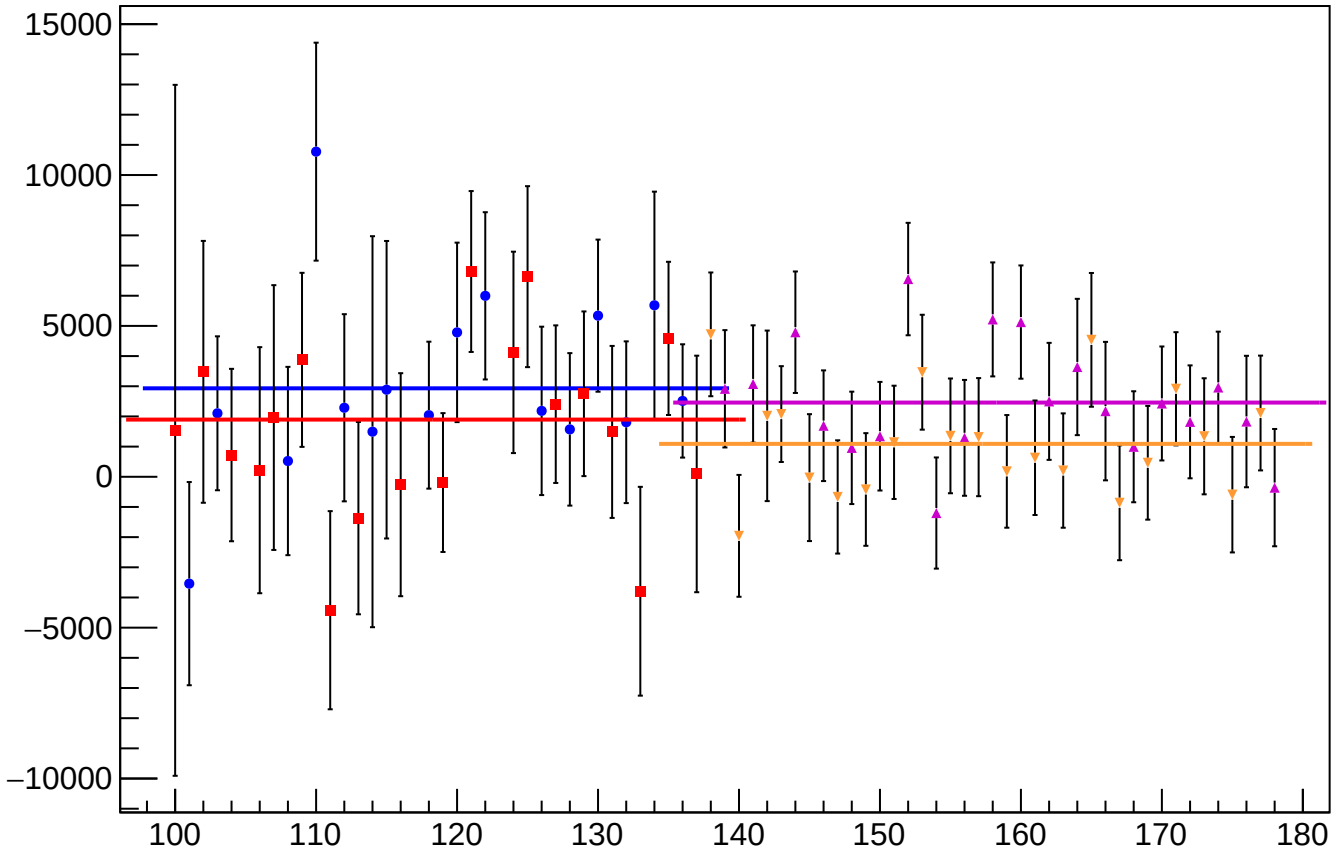
Left: 4929.318+/-0.619 χ^2/NDF: 1869298.4/40

Right: 1876.192+/-0.466 χ^2/NDF: 12661639.3/34

In: 3372.720+/-0.575 χ^2/NDF:12071993.0/35

Out: 2700.430+/-0.488 χ^2/NDF:17203853.2/39

All: 2981.856+/-0.372 χ^2/NDF: 30069647.8/7



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: 2459.254+/-431.515 χ^2/NDF:19.3/19

Left: 1760.099+/-301.808 χ^2/NDF: 39.9/40

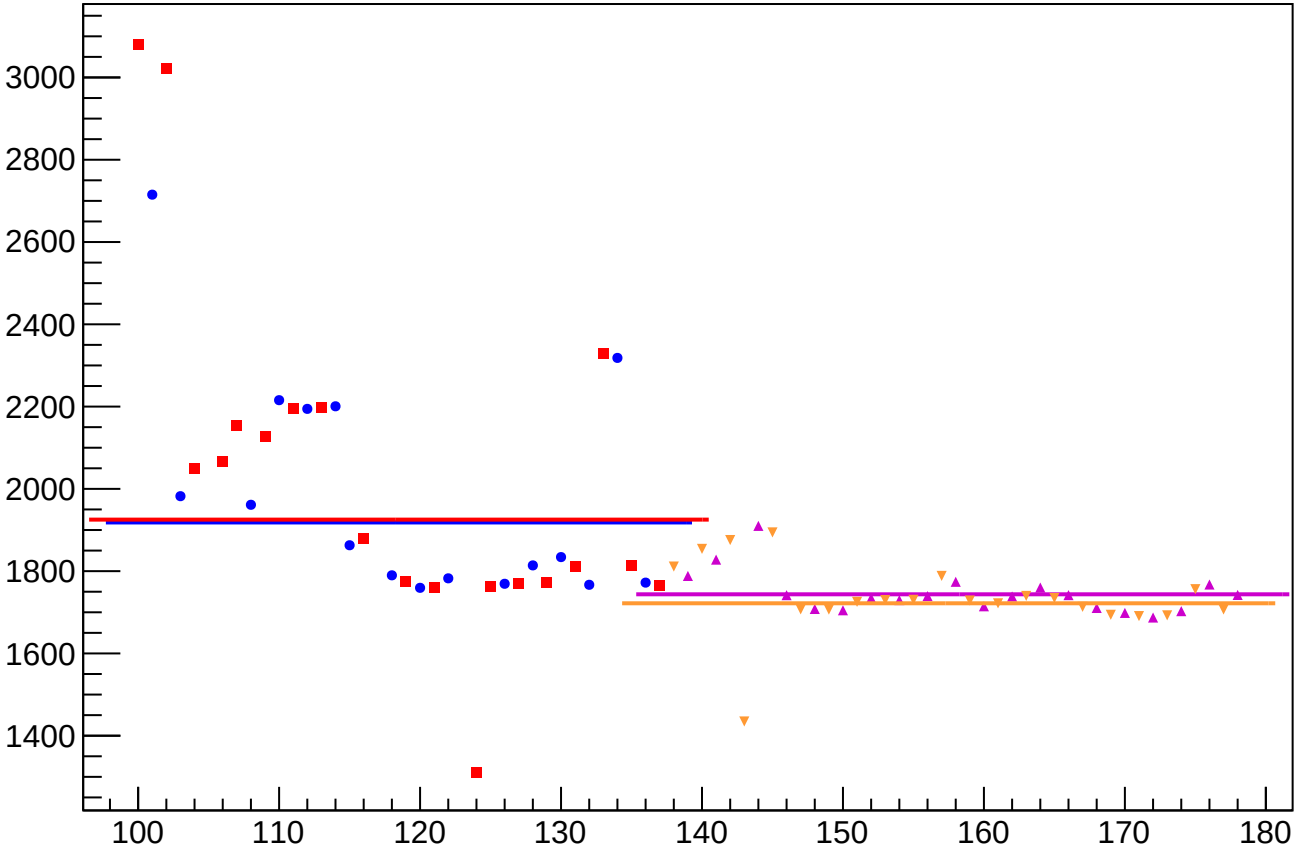
Right: 2416.225+/-509.203 χ^2/NDF: 31.4/34

In: 2584.538+/-369.900 χ^2/NDF:32.6/35

Out: 1295.747+/-364.504 χ^2/NDF:33.7/39

All: 1930.674+/-259.630 χ^2/NDF: 72.5/75

eigen_dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



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: 1743.745+/-0.305 χ^2/NDF:26274.2/19

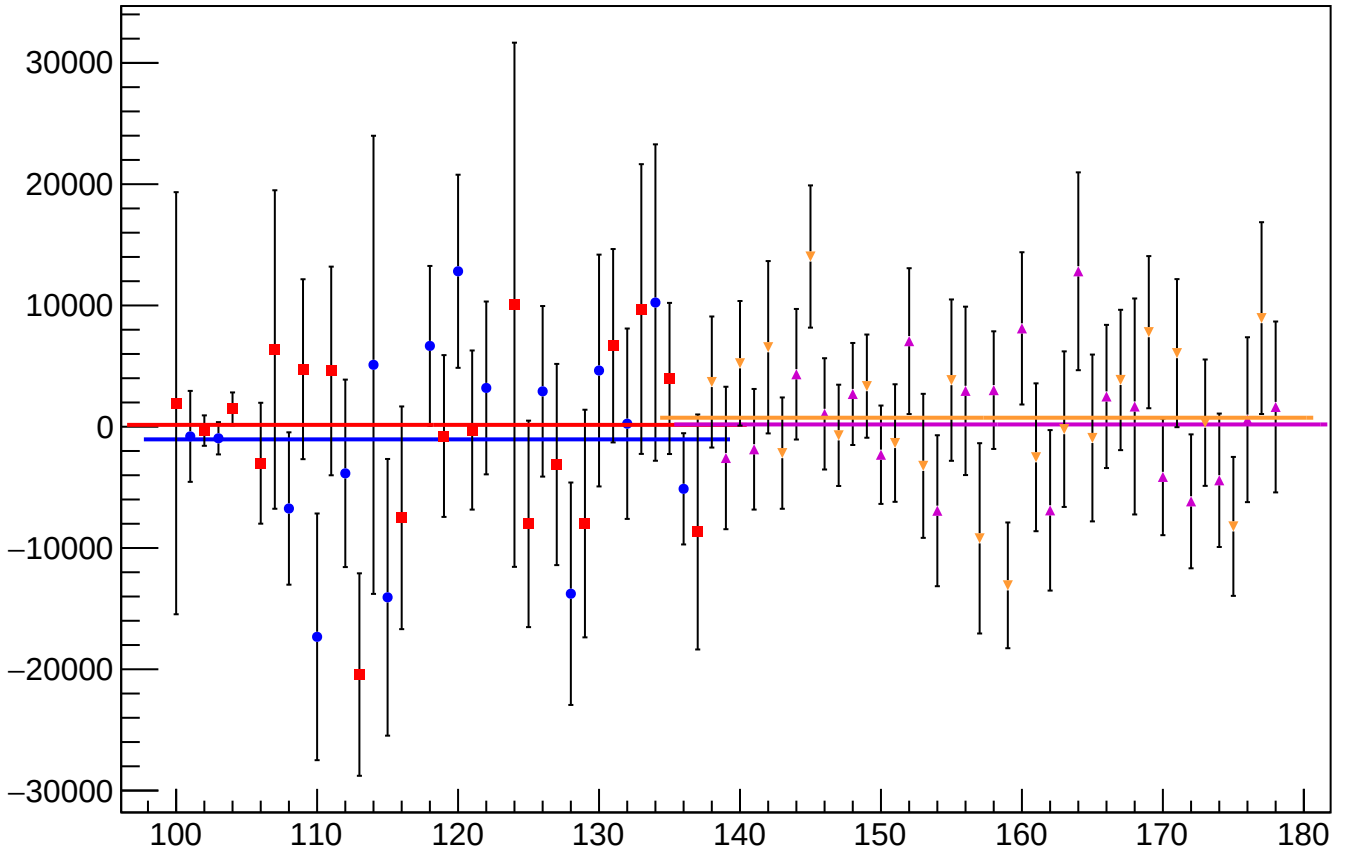
Left: 1732.577+/-0.213 χ^2/NDF: 131274.3/40

Right: 1921.798+/-0.360 χ^2/NDF: 554778.8/34

In: 1790.052+/-0.262 χ^2/NDF:328719.9/35

Out: 1773.788+/-0.258 χ^2/NDF:559873.1/39

All: 1781.799+/-0.184 χ^2/NDF: 890555.0/75



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: 188.636+/-1249.121 χ^2/NDF:13.1/19

Left: 470.941+/-874.813 χ^2/NDF: 36.7/40

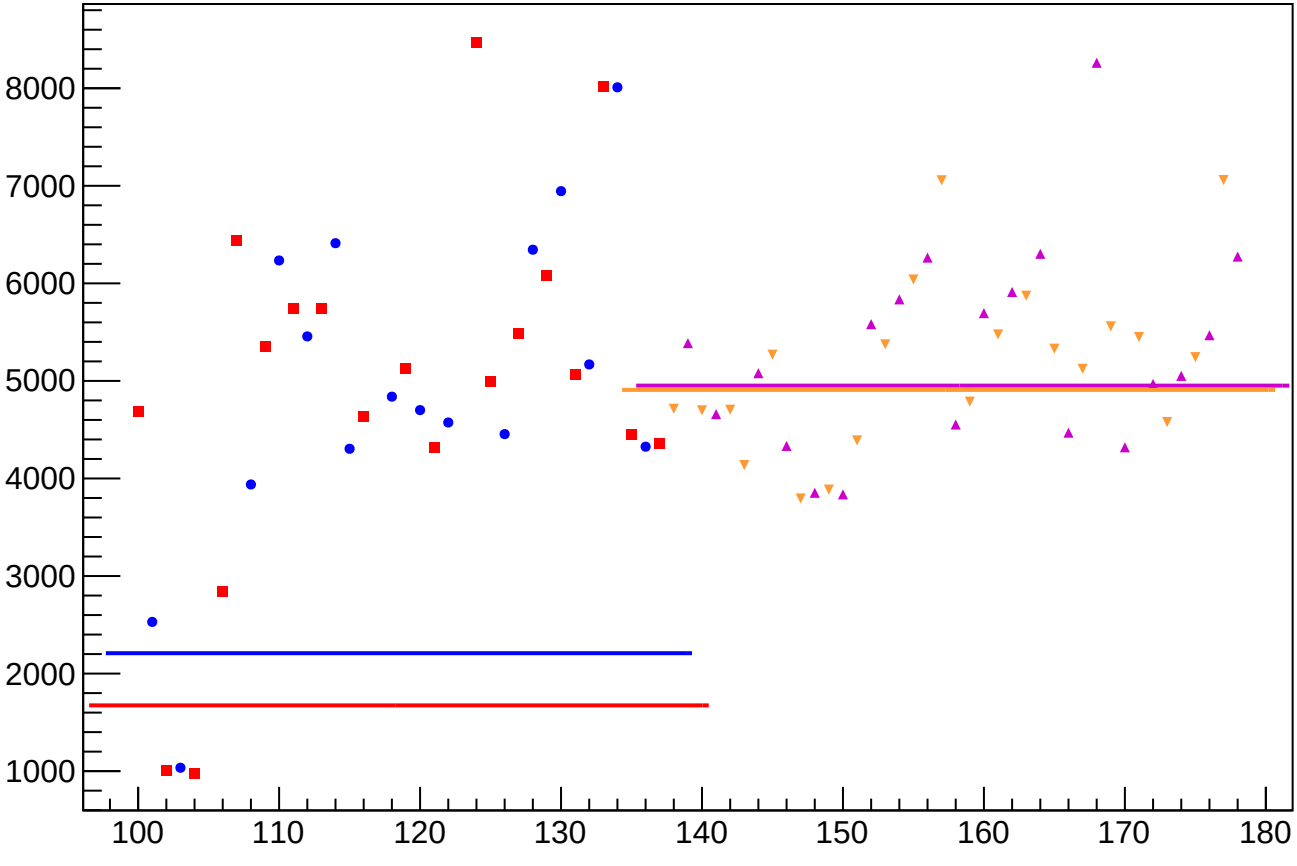
Right: -298.056+/-659.161 χ^2/NDF: 28.3/34

In: -519.765+/-813.674 χ^2/NDF:27.5/35

Out: 340.572+/-690.429 χ^2/NDF:37.4/39

All: -19.571+/-526.446 χ^2/NDF: 65.5/75

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 4951.686+/-0.883 χ^2/NDF:1021851.2/19

Left: 4929.327+/-0.619 χ^2/NDF: 1869299.3/40

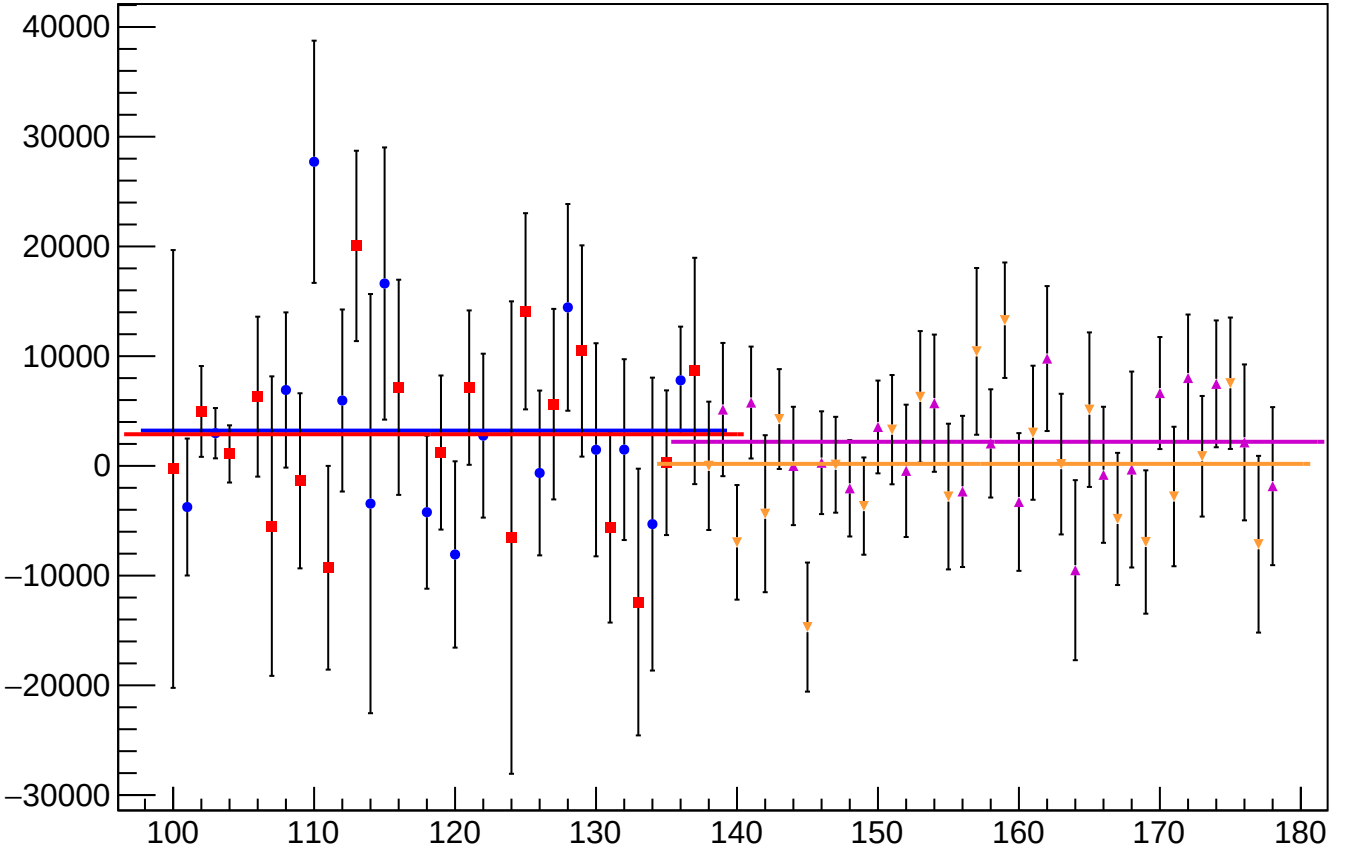
Right: 1876.191+/-0.466 χ^2/NDF: 12661624.0/34

In: 3372.720+/-0.575 χ^2/NDF:12072015.4/35

Out: 2700.429+/-0.488 χ^2/NDF:17203876.3/39

All: 2981.855+/-0.372 χ^2/NDF: 30069694.2/7

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: 2196.051+/-1282.934 χ^2/NDF:10.4/19

Left: 1169.460+/-897.585 χ^2/NDF: 36.7/40

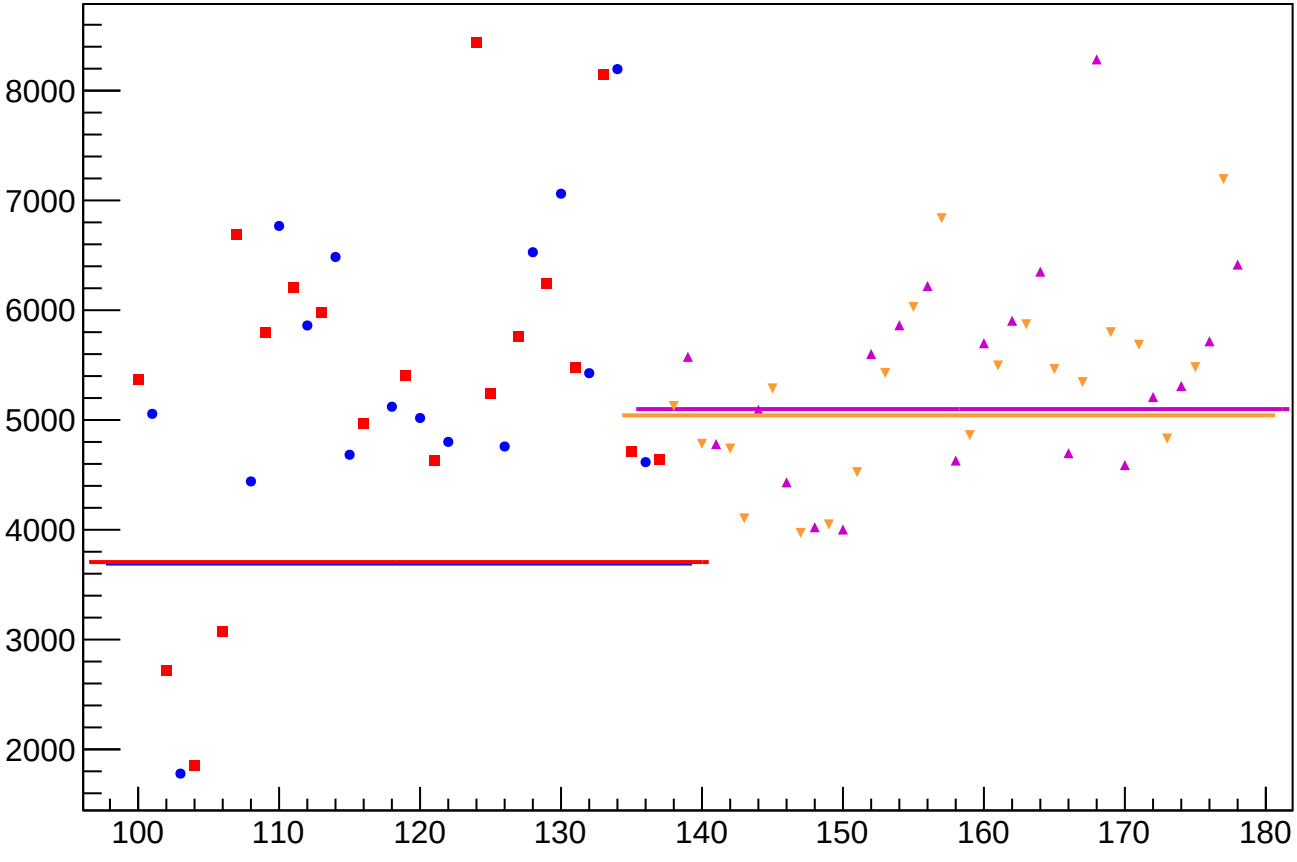
Right: 3050.935+/-1092.940 χ^2/NDF: 27.2/34

In: 2614.021+/-985.509 χ^2/NDF:24.4/35

Out: 1253.118+/-976.480 χ^2/NDF:40.3/39

All: 1927.306+/-693.646 χ^2/NDF: 65.7/75

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: 5099.454+/-0.907 χ^2/NDF:892613.2/19

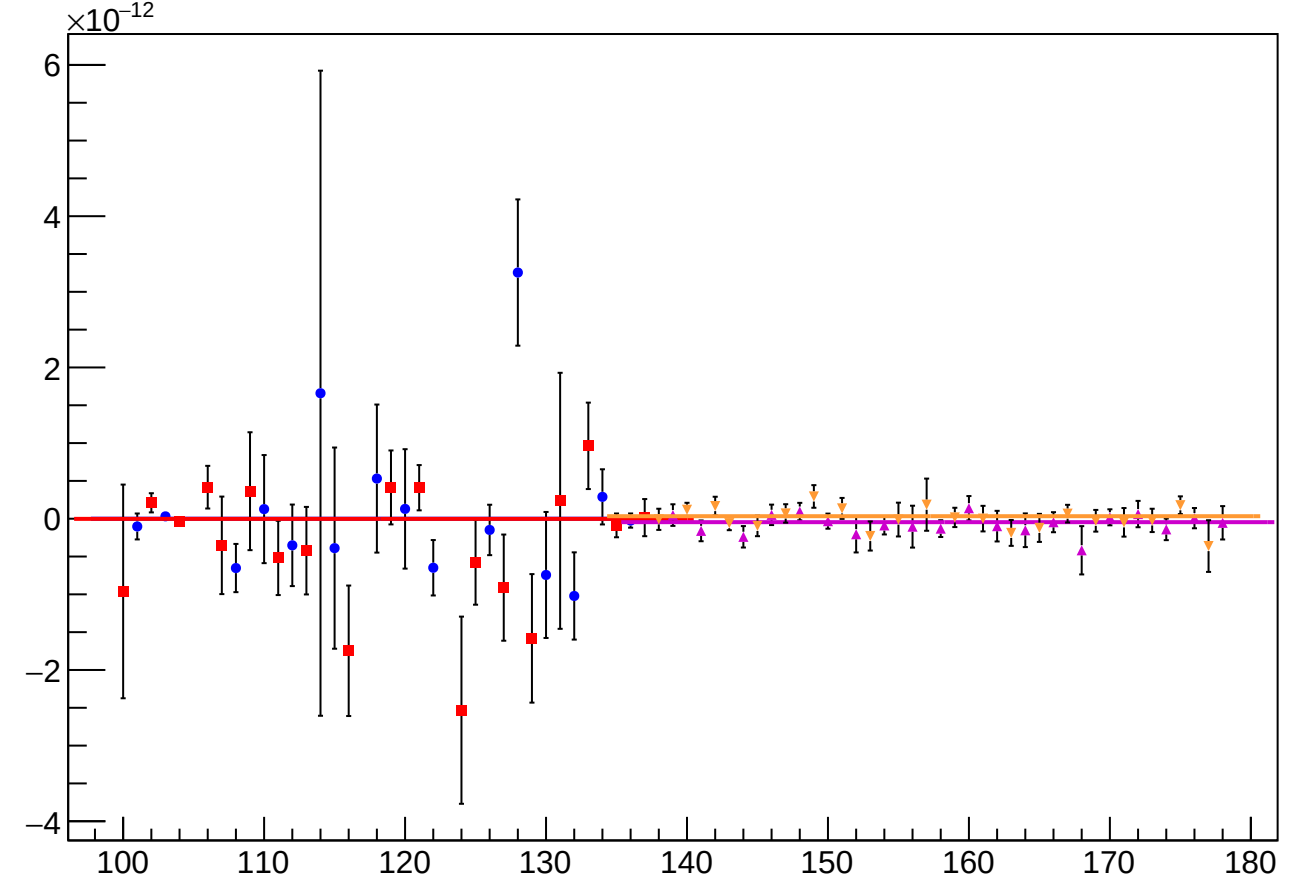
Left: 5070.403+/-0.635 χ^2/NDF: 1661658.9/40

Right: 3699.460+/-0.769 χ^2/NDF: 5570260.4/34

In: 4522.849+/-0.697 χ^2/NDF:4763831.5/35

Out: 4507.149+/-0.688 χ^2/NDF:4358384.1/39

All: 4514.895+/-0.489 χ^2/NDF: 9122472.8/75



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:10.5/19

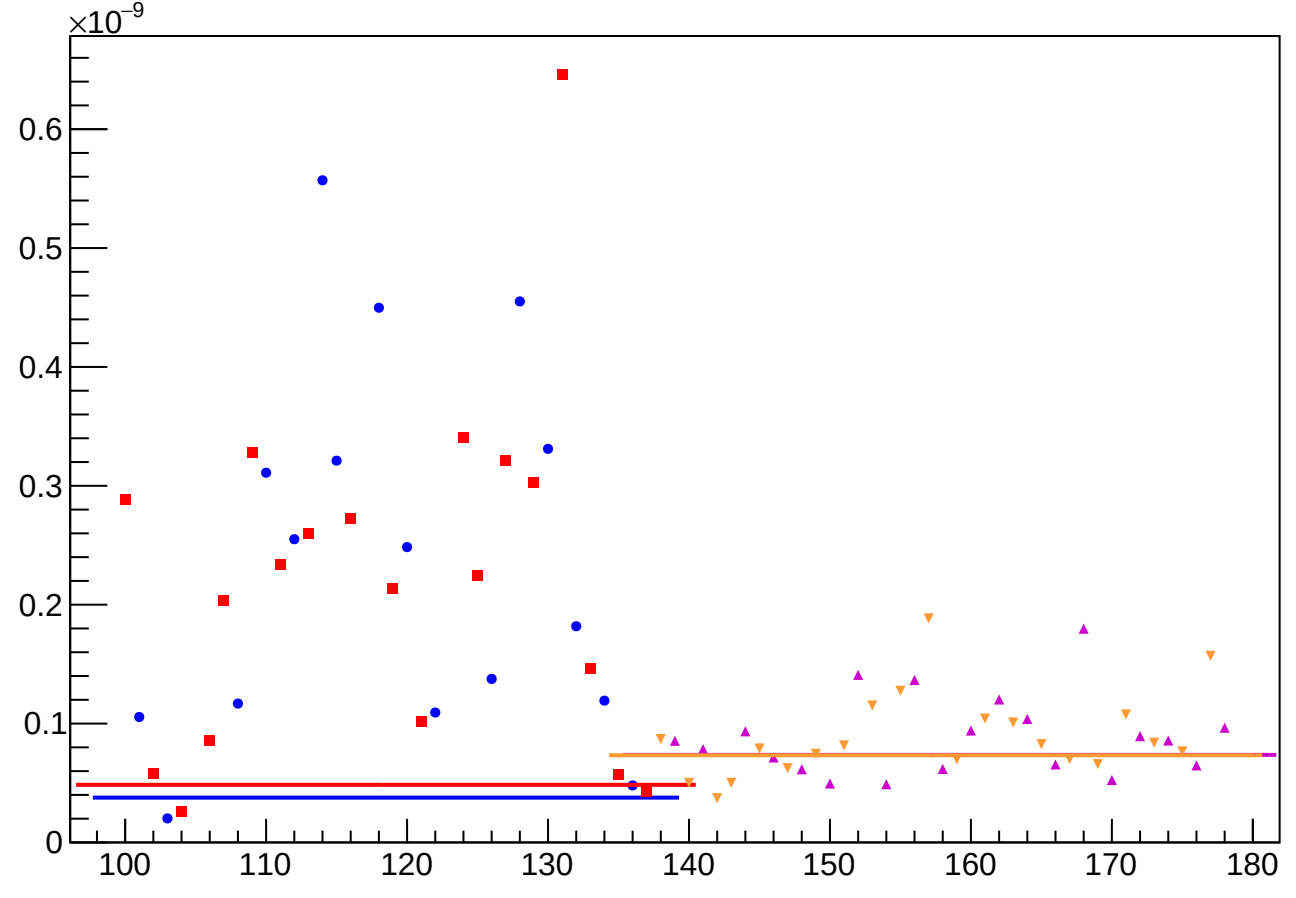
Left: -0.000+/-0.000 χ^2/NDF: 29.2/40

Right: -0.000+/-0.000 χ^2/NDF: 53.6/34

In: -0.000+/-0.000 χ^2/NDF:36.8/35

Out: 0.000+/-0.000 χ^2/NDF:44.2/39

All: -0.000+/-0.000 χ^2/NDF: 82.9/75



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:1105248.9/19

Left: 0.000+/-0.000 χ^2/NDF: 2336339.8/40

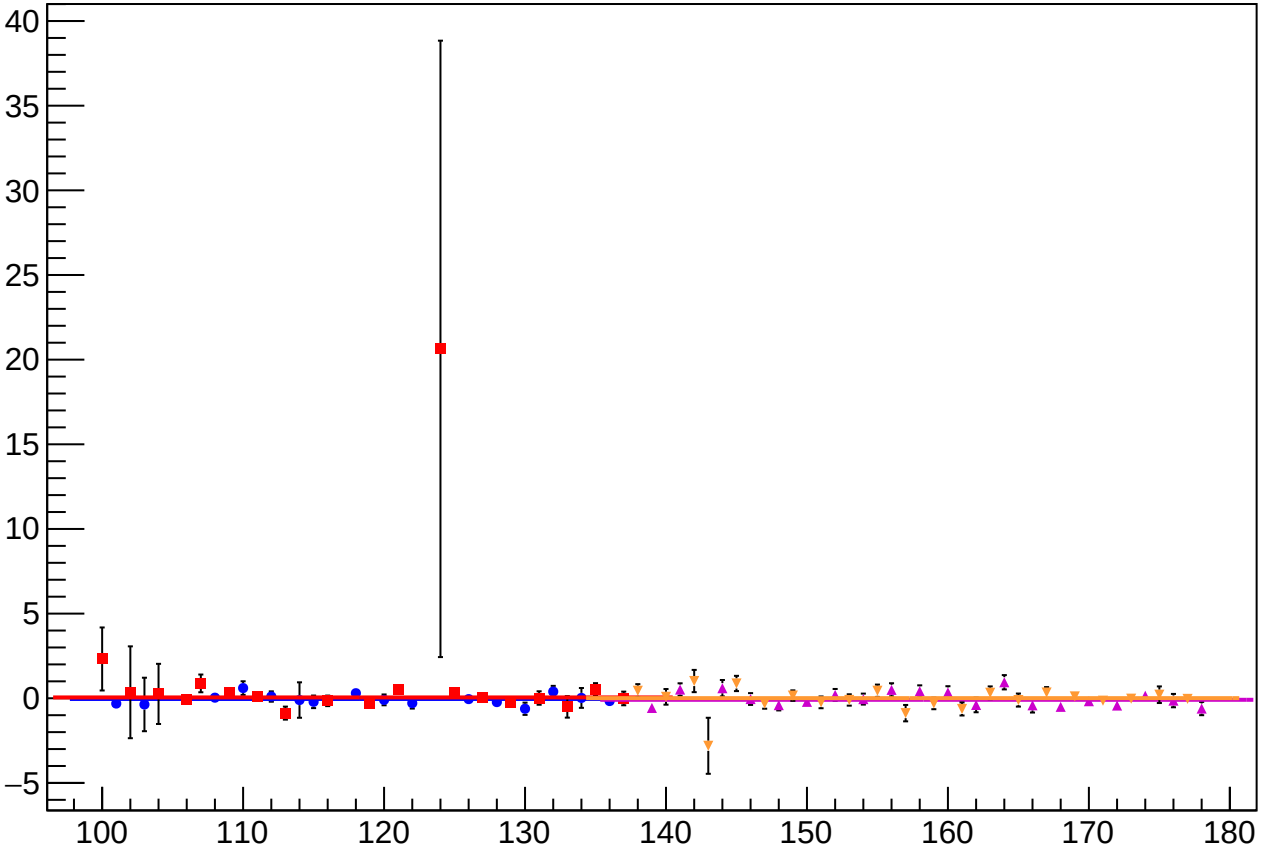
Right: 0.000+/-0.000 χ^2/NDF: 6105820.7/34

In: 0.000+/-0.000 χ^2/NDF:5341939.5/35

Out: 0.000+/-0.000 χ^2/NDF:4544706.4/39

All: 0.000+/-0.000 χ^2/NDF: 9980590.0/75

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: -0.091+/-0.072 χ^2/NDF:29.6/19

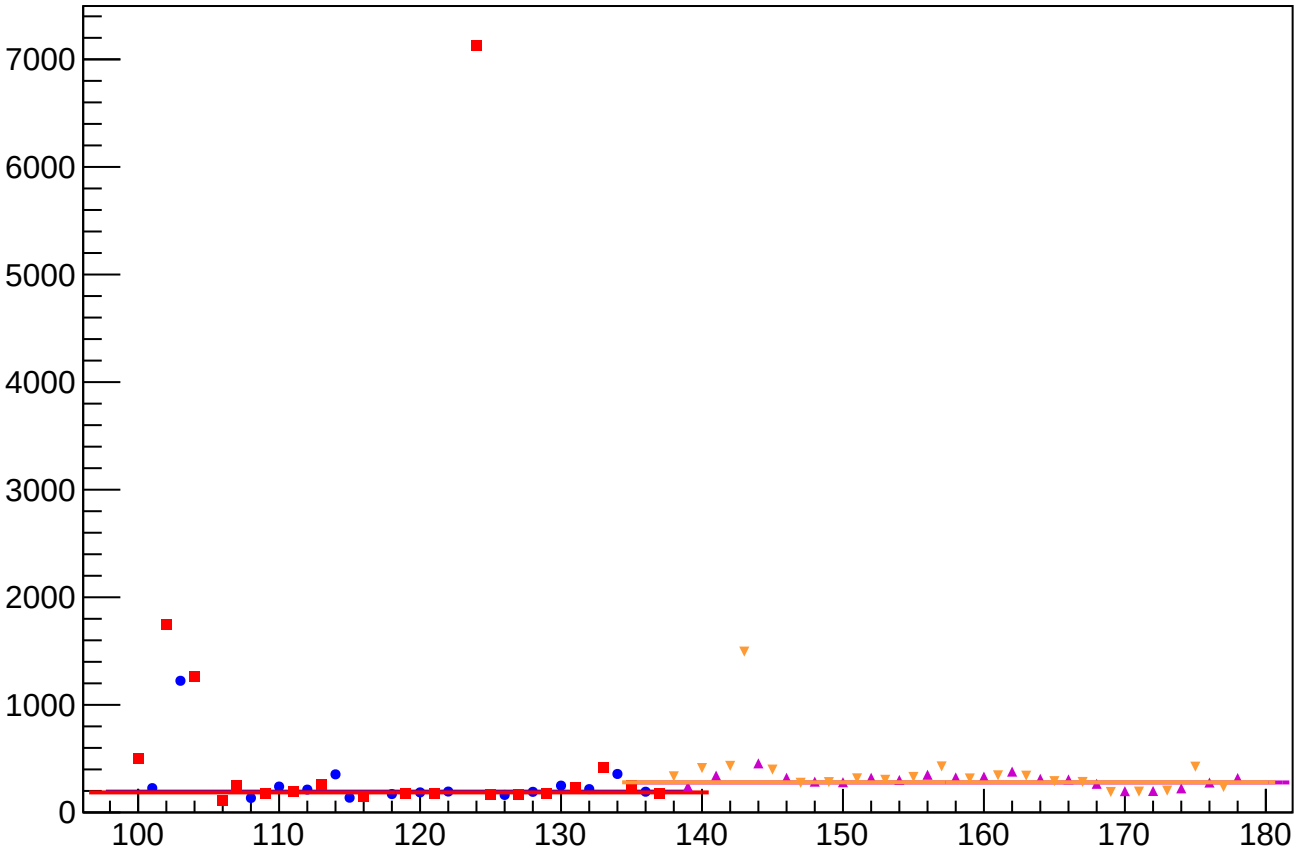
Left: -0.043+/-0.052 χ^2/NDF: 53.8/40

Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.068+/-0.053 χ^2/NDF:41.6/35

Out: 0.027+/-0.054 χ^2/NDF:46.5/39

All: -0.021+/-0.038 χ^2/NDF: 89.6/75



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: 278.862+/-0.051 χ^2/NDF:1346518.5/19

Left: 279.525+/-0.036 χ^2/NDF: 4362923.6/40

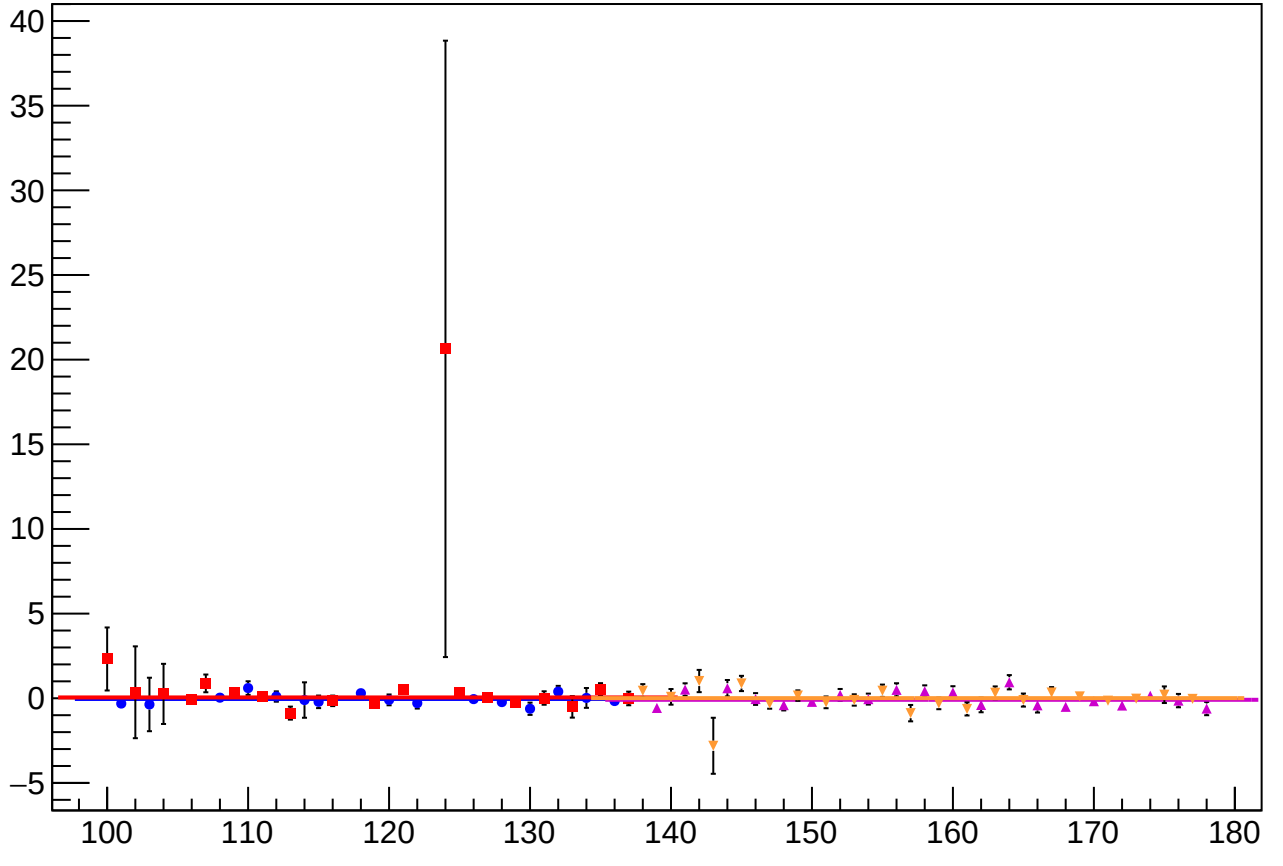
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 239.128+/-0.037 χ^2/NDF:4054324.0/35

Out: 236.573+/-0.038 χ^2/NDF:7012457.4/39

All: 237.869+/-0.027 χ^2/NDF: 11069075.7/75

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: -0.091+/-0.072 χ^2/NDF:29.6/19

Left: -0.043+/-0.052 χ^2/NDF: 53.8/40

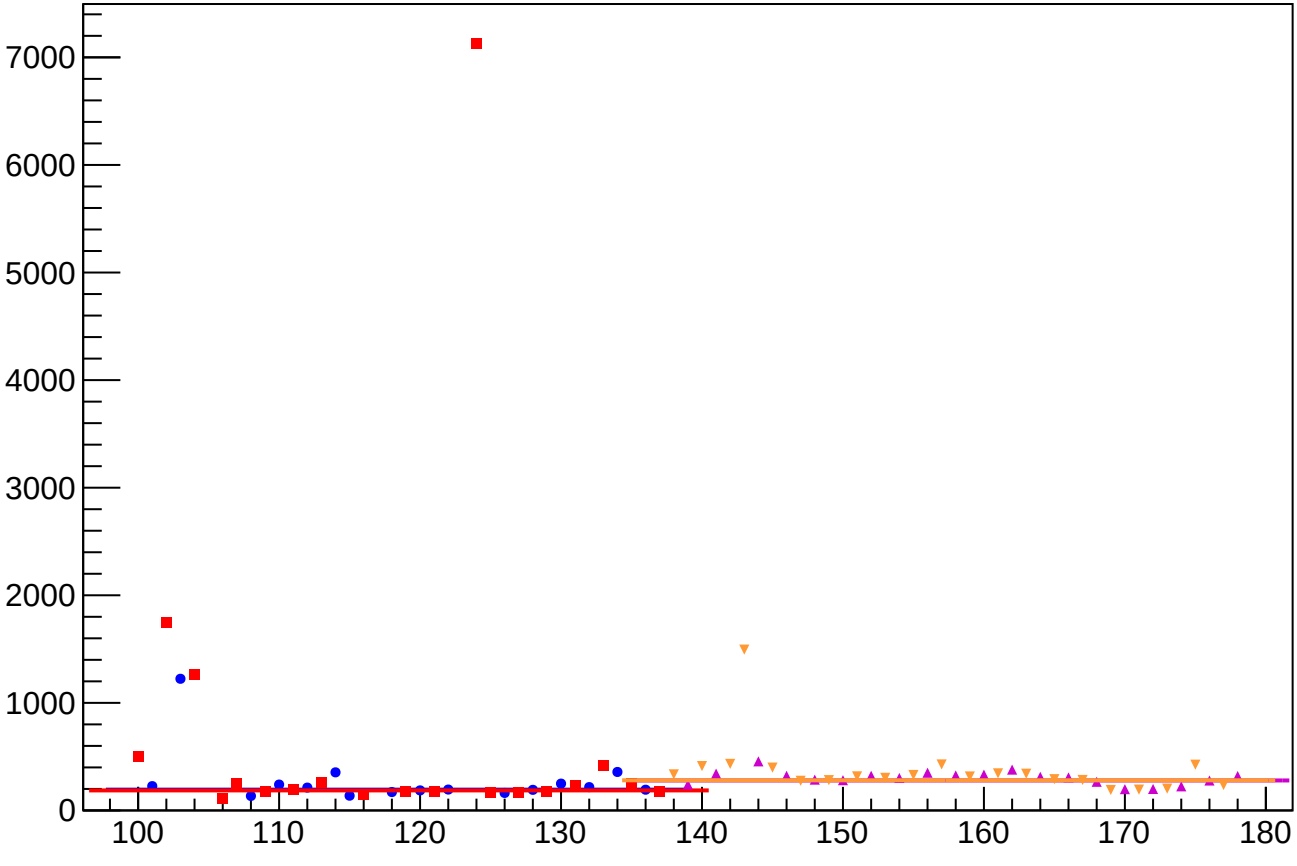
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.068+/-0.053 χ^2/NDF:41.6/35

Out: 0.027+/-0.054 χ^2/NDF:46.5/39

All: -0.021+/-0.038 χ^2/NDF: 89.6/75

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: 278.862+/-0.051 χ^2/NDF:1346518.5/19

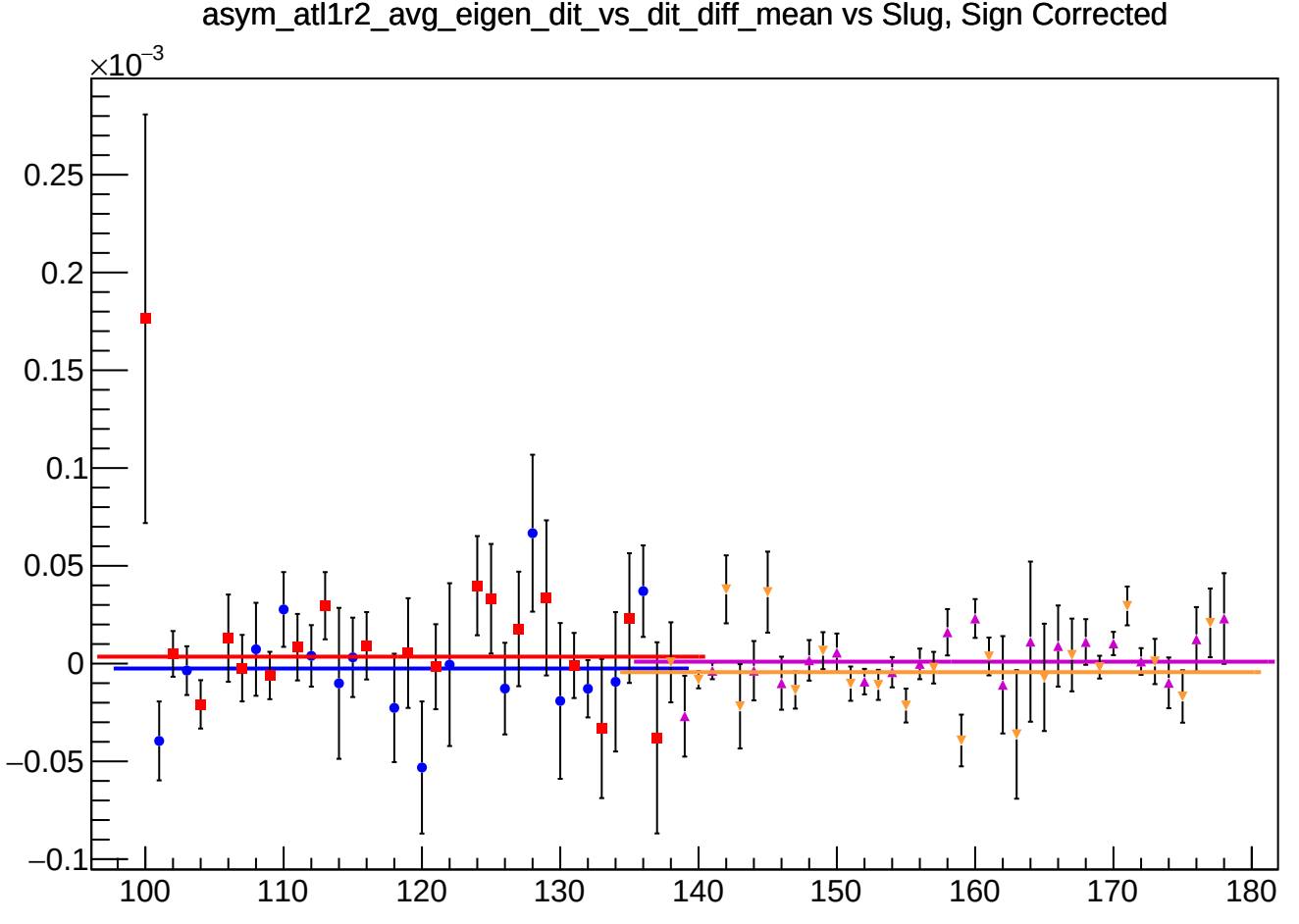
Left: 279.525+/-0.036 χ^2/NDF: 4362923.6/40

Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 239.128+/-0.037 χ^2/NDF:4054324.0/35

Out: 236.573+/-0.038 χ^2/NDF:7012457.4/39

All: 237.869+/-0.027 χ^2/NDF: 11069075.7/75



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:19.2/19

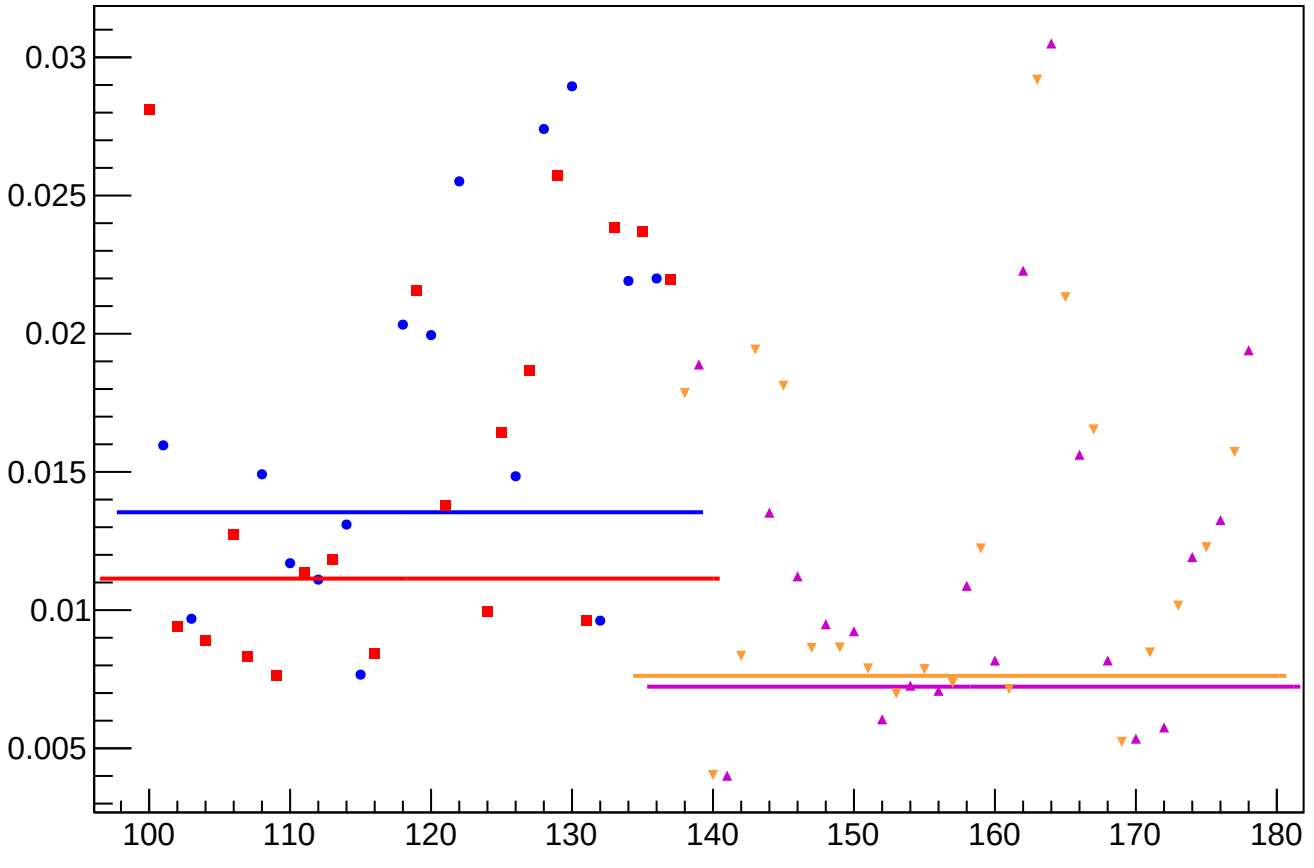
Left: -0.000+/-0.000 χ^2/NDF: 65.0/40

Right: 0.000+/-0.000 χ^2/NDF: 32.9/34

In: 0.000+/-0.000 χ^2/NDF:35.4/35

Out: -0.000+/-0.000 χ^2/NDF:61.4/39

All: -0.000+/-0.000 χ^2/NDF: 98.4/75



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:6191938.0/20

Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.007+/-0.000 χ^2/NDF:5838280.0/19

Left: 0.007+/-0.000 χ^2/NDF: 12065330.1/40

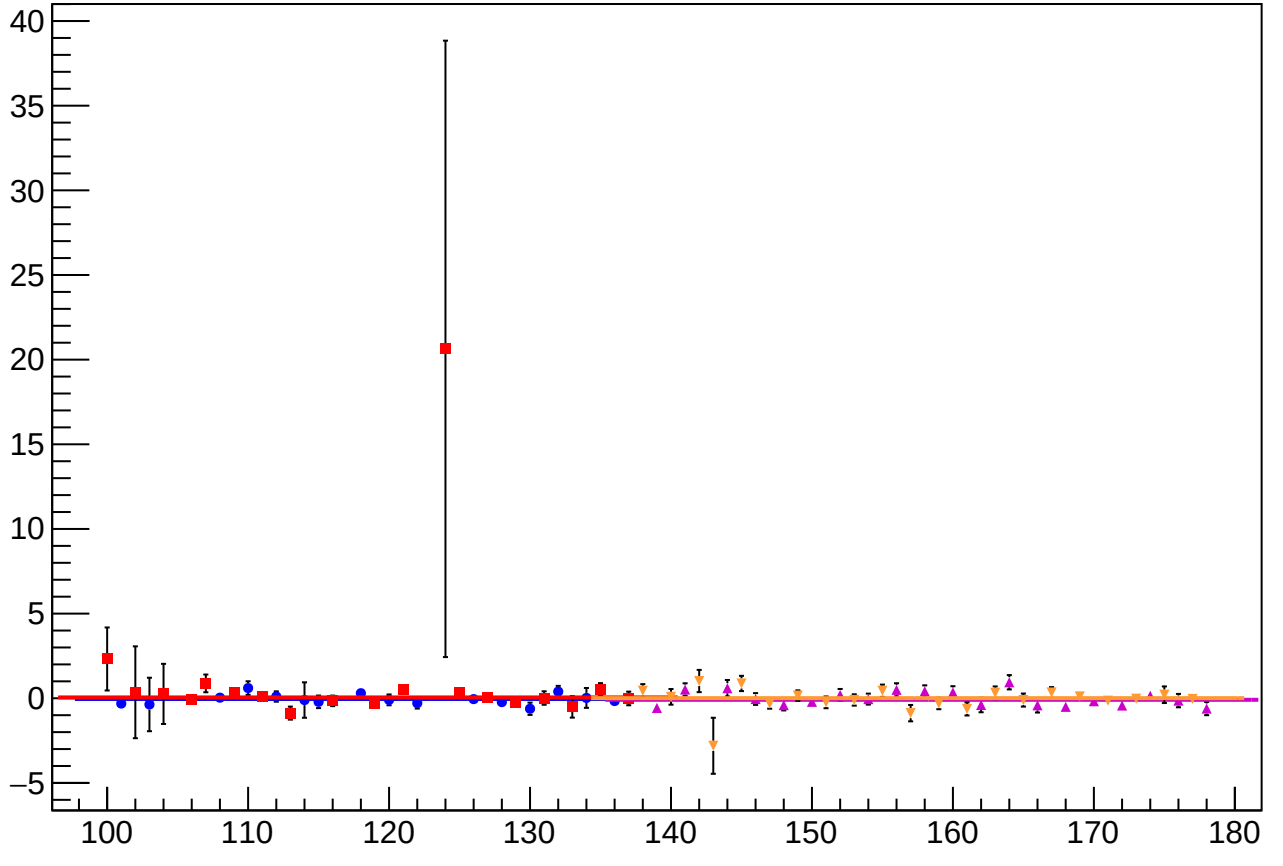
Right: 0.012+/-0.000 χ^2/NDF: 3997435.7/34

In: 0.008+/-0.000 χ^2/NDF:10057305.3/35

Out: 0.008+/-0.000 χ^2/NDF:9090382.2/39

All: 0.008+/-0.000 χ^2/NDF: 19164837.2/75

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: -0.091+/-0.072 χ^2/NDF:29.6/19

Left: -0.043+/-0.052 χ^2/NDF: 53.8/40

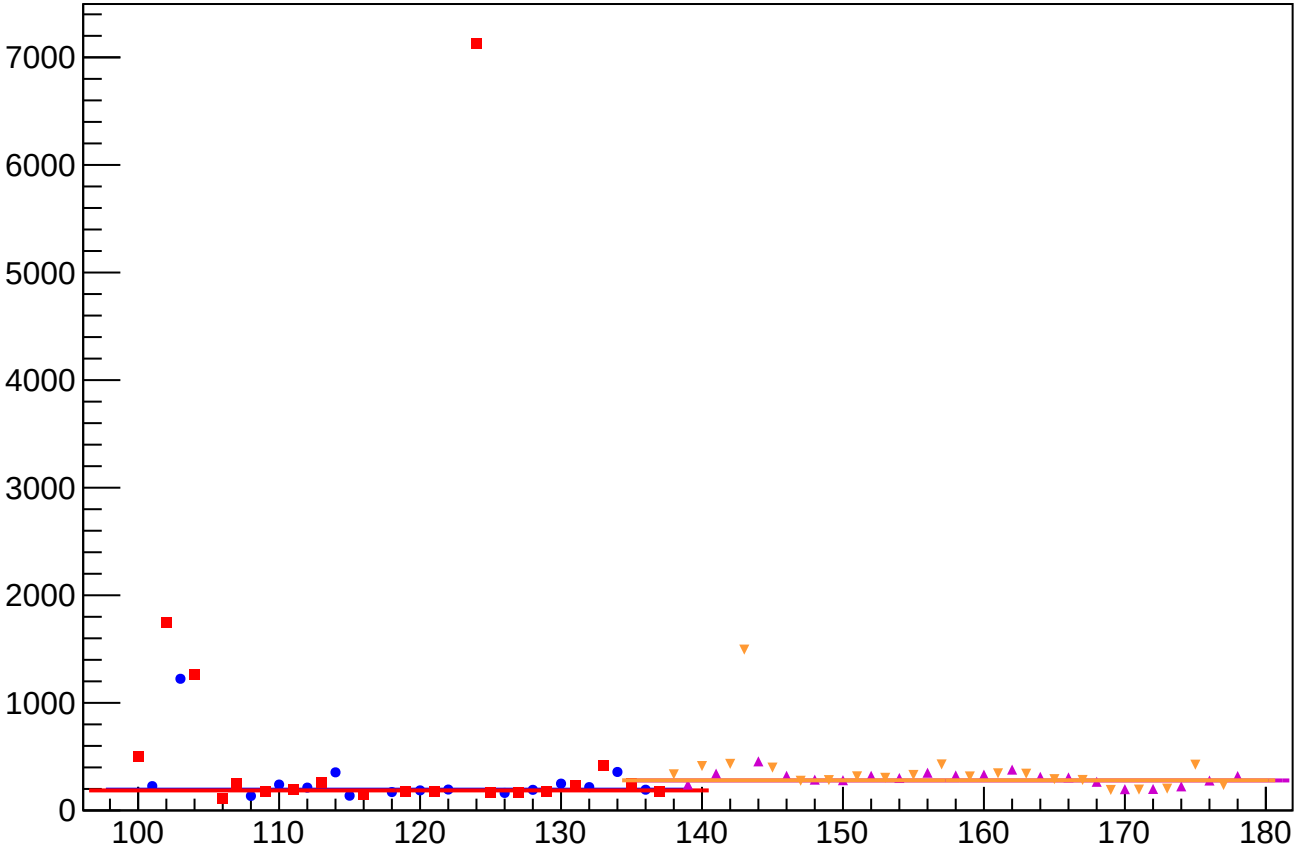
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.068+/-0.053 χ^2/NDF:41.6/35

Out: 0.027+/-0.054 χ^2/NDF:46.5/39

All: -0.021+/-0.038 χ^2/NDF: 89.6/75

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: 278.865+/-0.051 χ^2/NDF:1346569.2/19

Left: 279.528+/-0.036 χ^2/NDF: 4363033.6/40

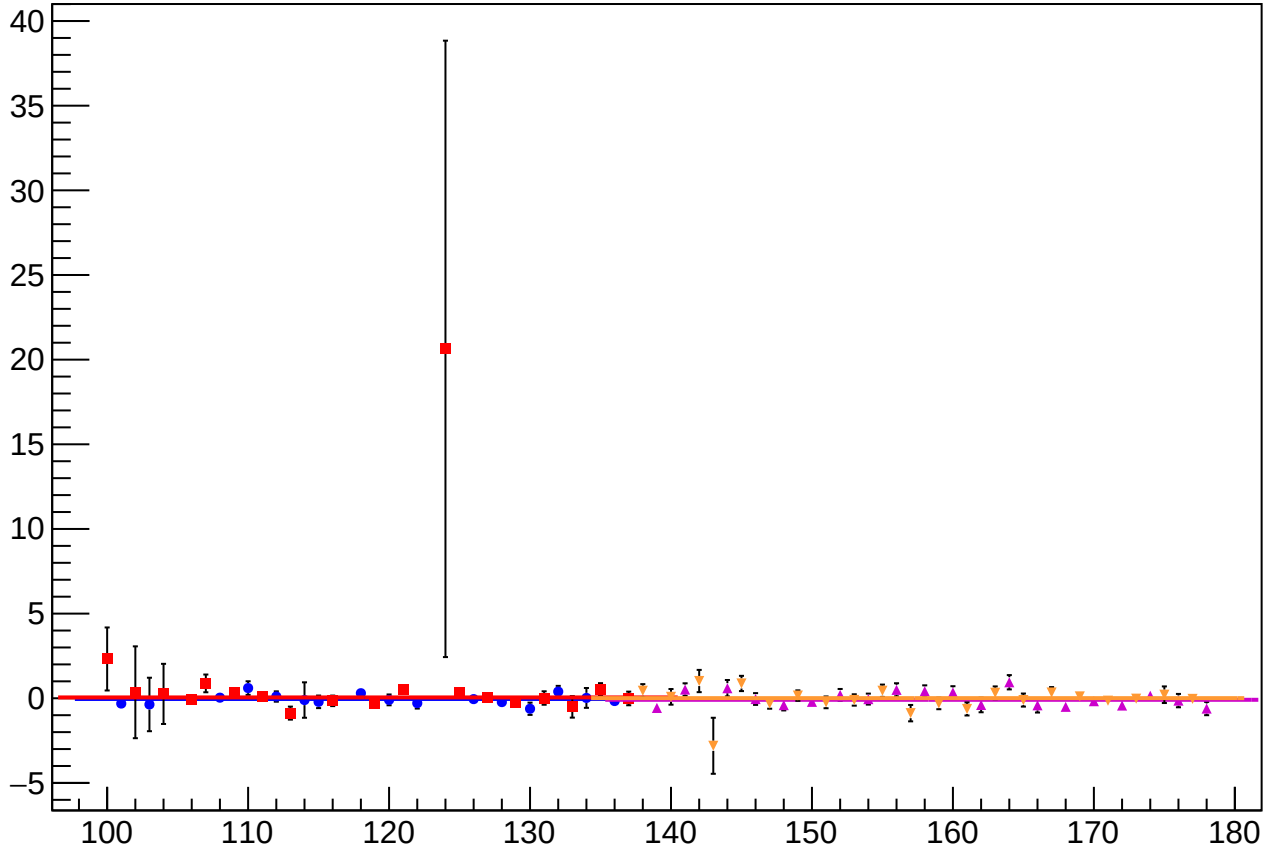
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 239.128+/-0.037 χ^2/NDF:4054489.5/35

Out: 236.572+/-0.038 χ^2/NDF:7012704.1/39

All: 237.869+/-0.027 χ^2/NDF: 11069488.8/75

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: -0.091+/-0.072 χ^2/NDF:29.6/19

Left: -0.043+/-0.052 χ^2/NDF: 53.8/40

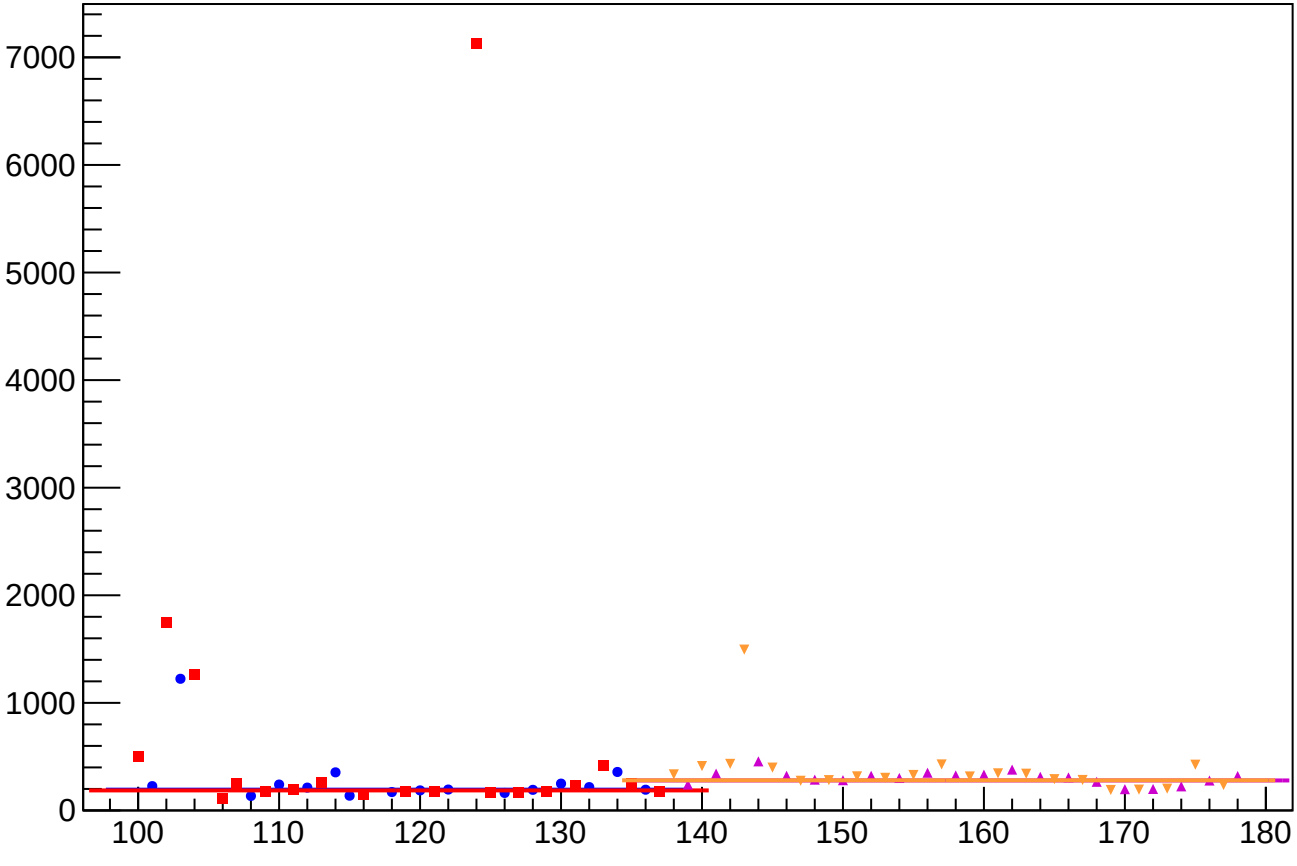
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.068+/-0.053 χ^2/NDF:41.6/35

Out: 0.027+/-0.054 χ^2/NDF:46.5/39

All: -0.021+/-0.038 χ^2/NDF: 89.6/75

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: 278.865+/-0.051 χ^2/NDF:1346569.2/19

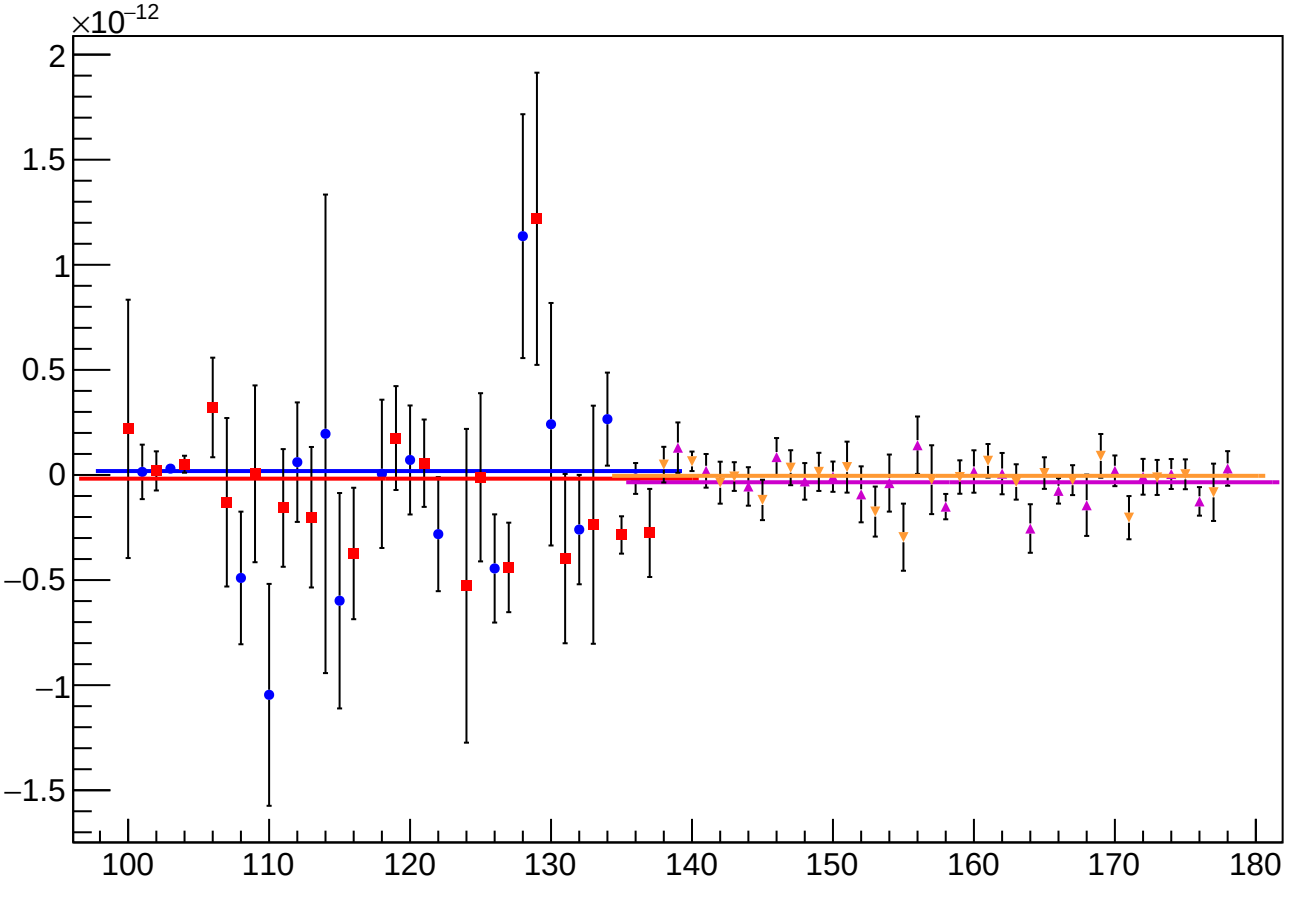
Left: 279.528+/-0.036 χ^2/NDF: 4363033.6/40

Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 239.128+/-0.037 χ^2/NDF:4054489.5/35

Out: 236.572+/-0.038 χ^2/NDF:7012704.1/39

All: 237.869+/-0.027 χ^2/NDF: 11069488.8/75



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:18.3/19

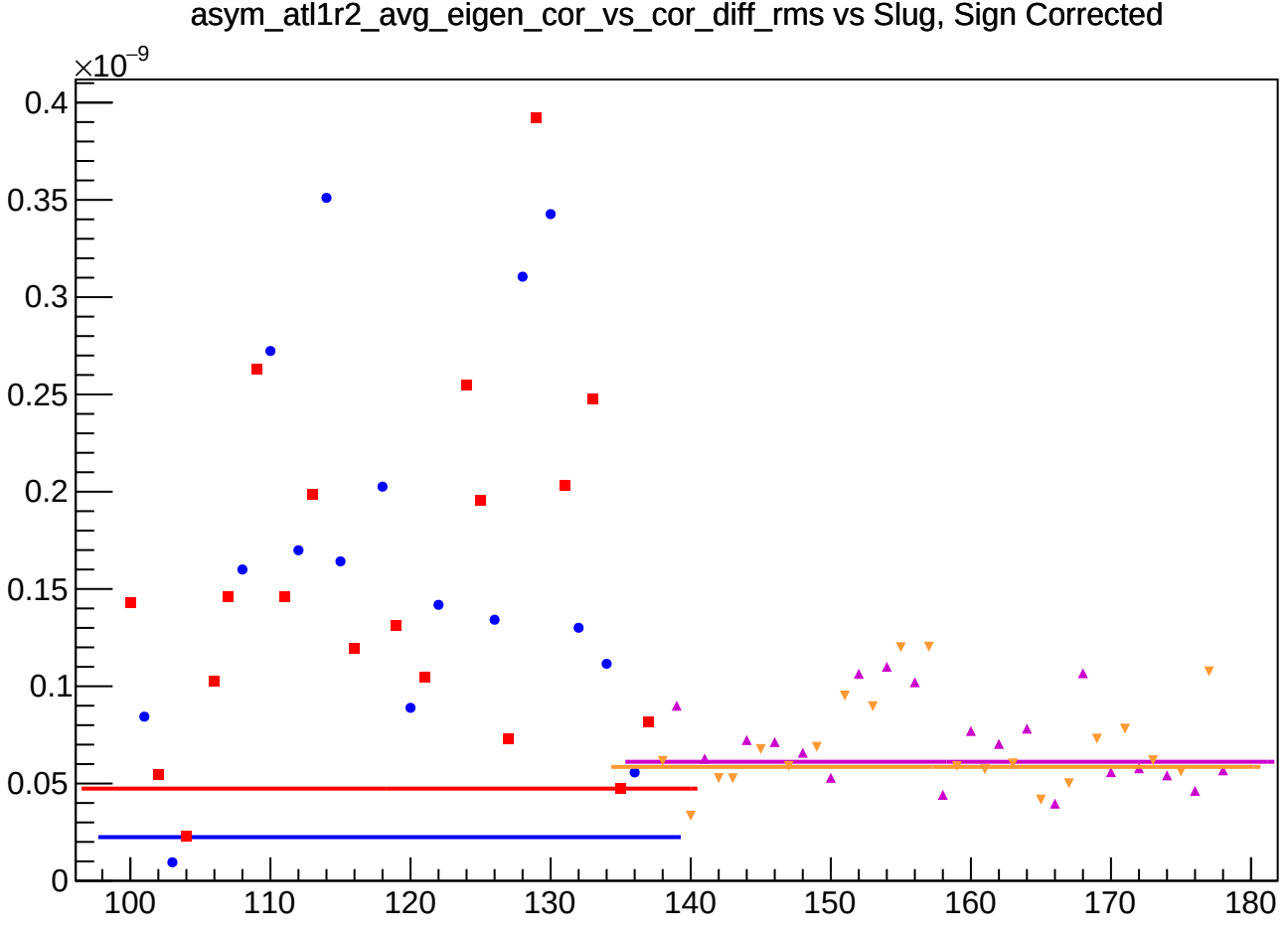
Left: -0.000+/-0.000 χ^2/NDF: 35.5/40

Right: 0.000+/-0.000 χ^2/NDF: 47.5/34

In: -0.000+/-0.000 χ^2/NDF:41.3/35

Out: -0.000+/-0.000 χ^2/NDF:43.2/39

All: -0.000+/-0.000 χ^2/NDF: 84.5/75



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:1722038.7/19

Left: 0.000+/-0.000 χ^2/NDF: 3802255.1/40

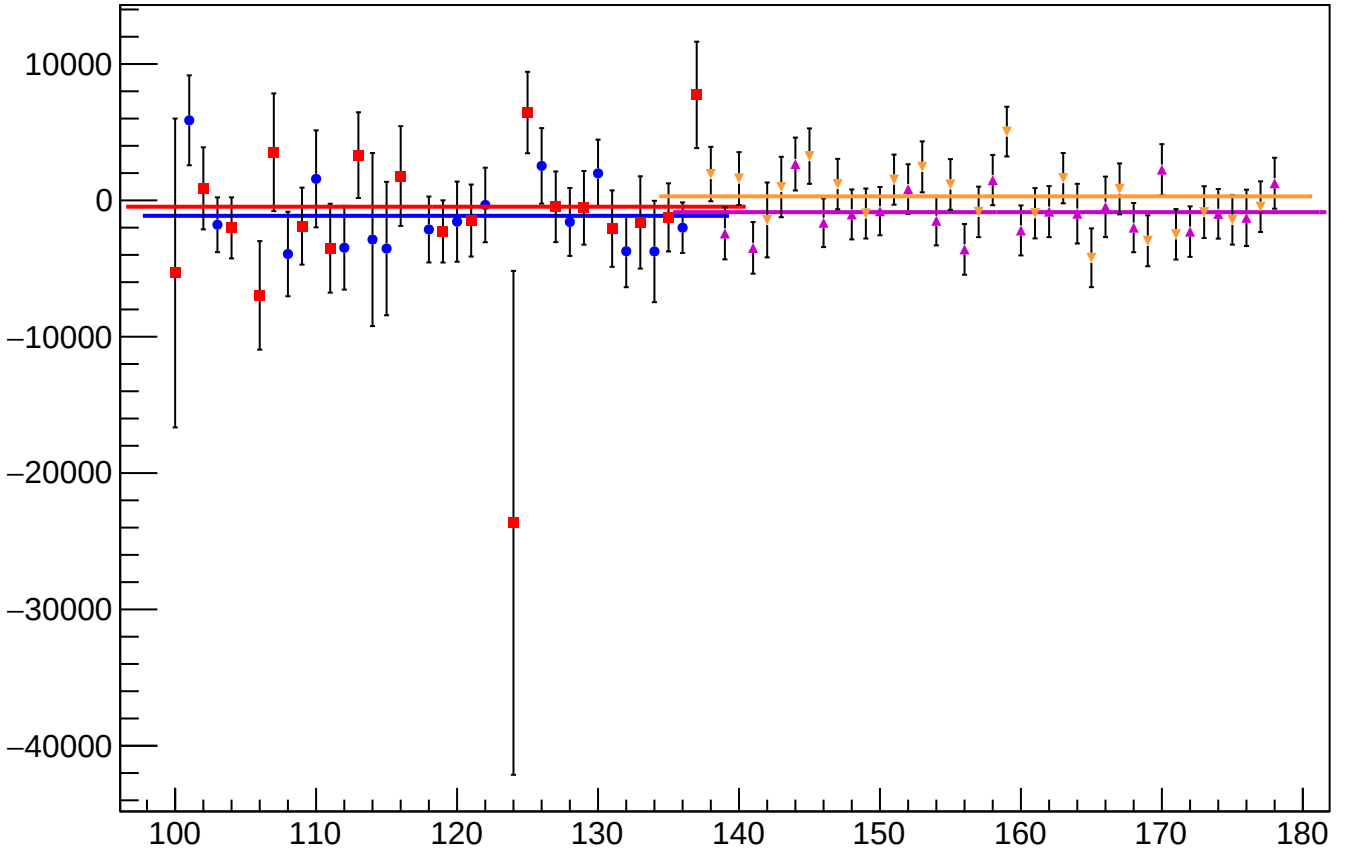
Right: 0.000+/-0.000 χ^2/NDF: 11534651.4/34

In: 0.000+/-0.000 χ^2/NDF:11914282.6/35

Out: 0.000+/-0.000 χ^2/NDF:6485737.2/39

All: 0.000+/-0.000 χ^2/NDF: 19090816.5/75

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



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: -863.400+/-420.867 χ^2/NDF:16.5/19

Left: -281.574+/-297.036 χ^2/NDF: 46.1/40

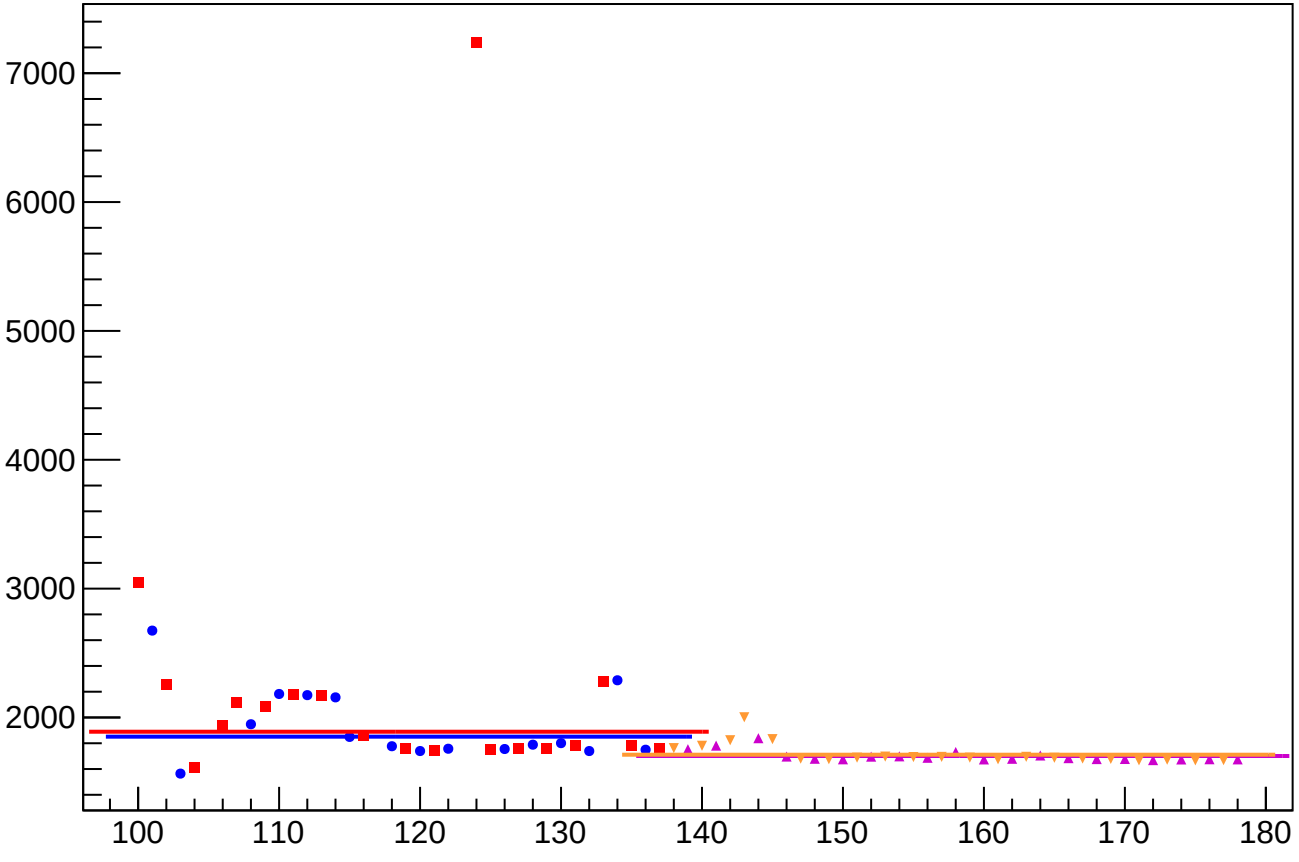
Right: -805.879+/-494.815 χ^2/NDF: 32.7/34

In: -936.362+/-359.834 χ^2/NDF:28.9/35

Out: 97.326+/-360.491 χ^2/NDF:46.6/39

All: -420.461+/-254.673 χ^2/NDF: 79.7/75

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: 1701.061+/-0.298 χ^2/NDF:19885.6/19

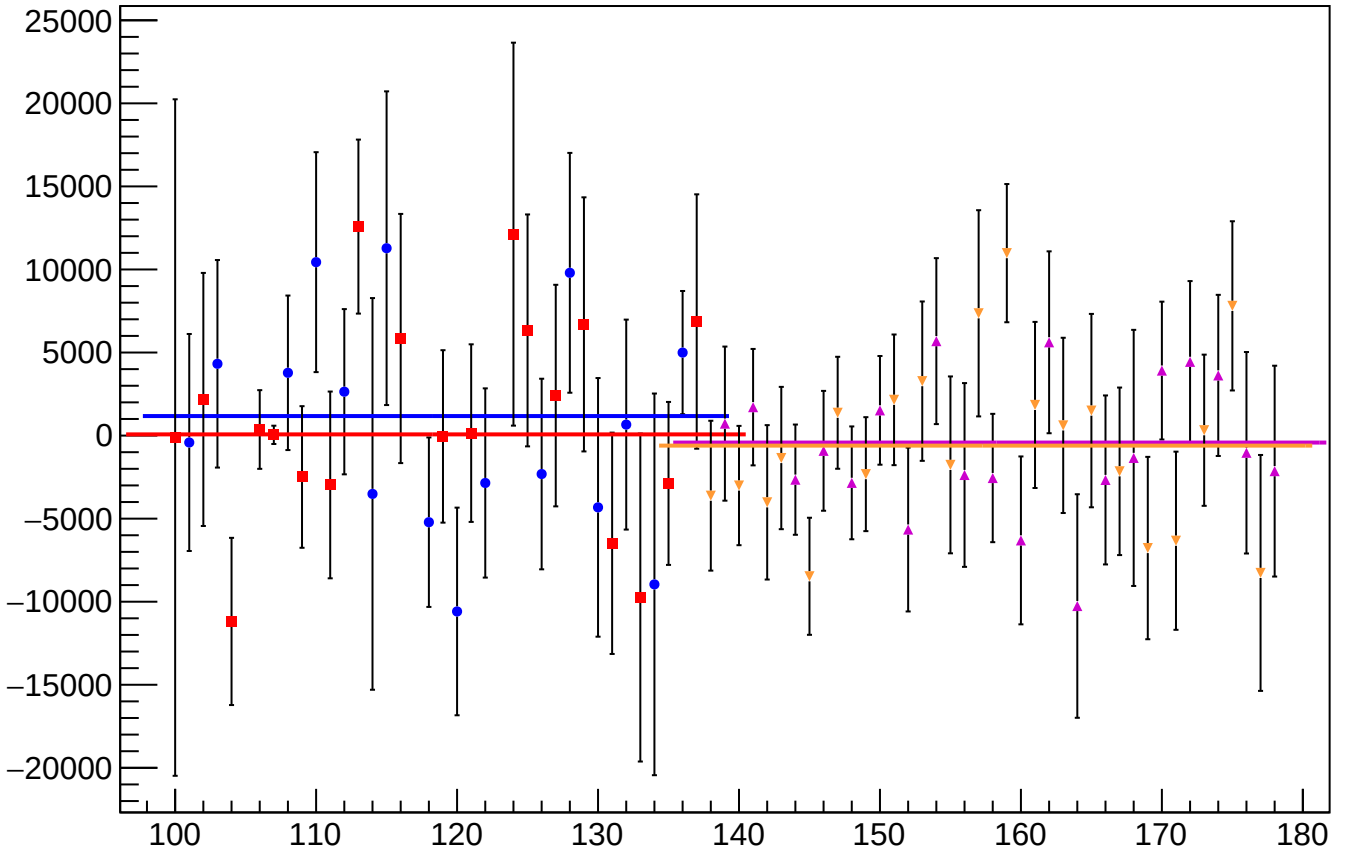
Left: 1706.071+/-0.210 χ^2/NDF: 77917.0/40

Right: 1870.040+/-0.349 χ^2/NDF: 621901.2/34

In: 1741.430+/-0.254 χ^2/NDF:348271.4/35

Out: 1757.747+/-0.255 χ^2/NDF:511206.6/39

All: 1749.579+/-0.180 χ^2/NDF: 861531.8/75



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: -419.951+/-999.172 χ^2/NDF:12.6/19

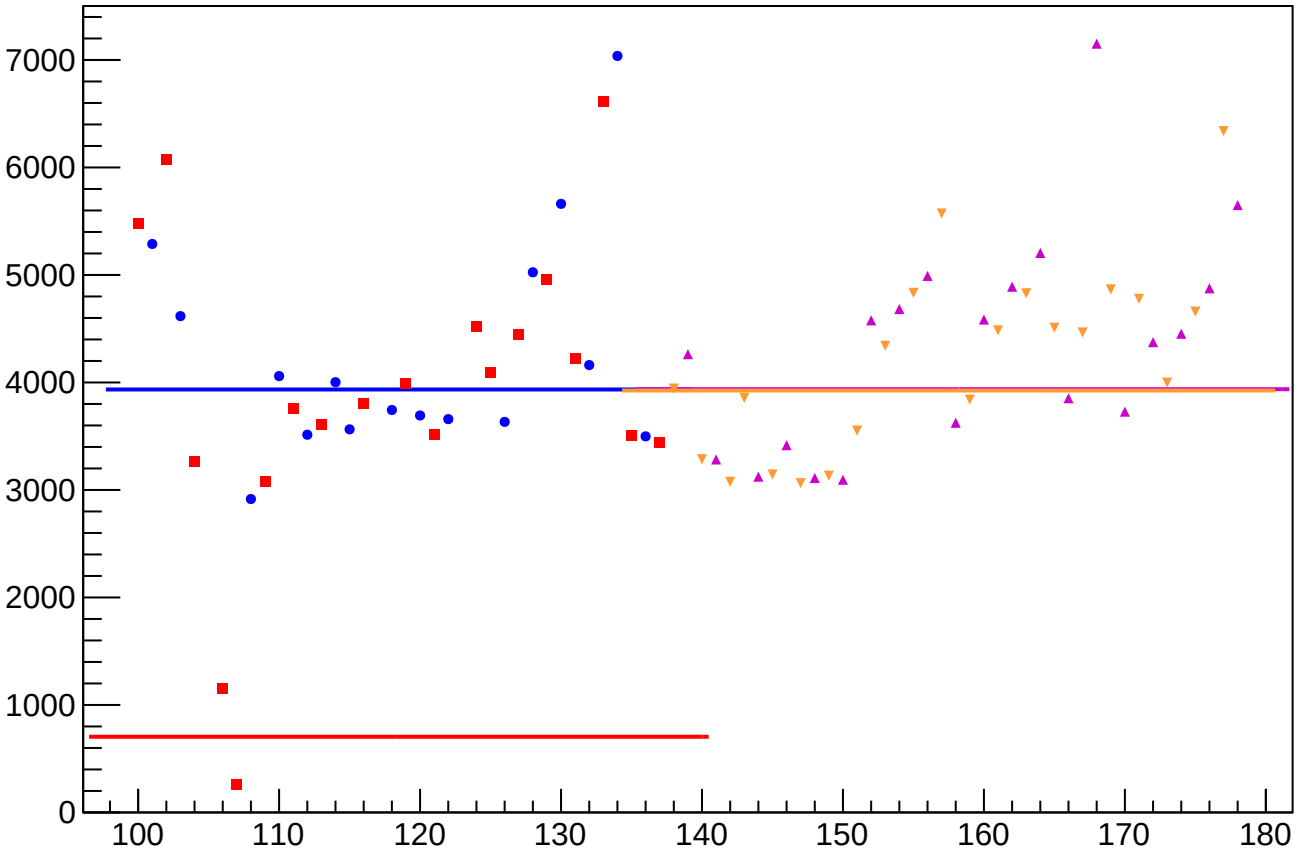
Left: -513.109+/-701.978 χ^2/NDF: 37.1/40

Right: 184.938+/-479.263 χ^2/NDF: 32.1/34

In: 69.410+/-831.935 χ^2/NDF:27.1/35

Out: -68.124+/-450.007 χ^2/NDF:42.8/39

All: -36.992+/-395.812 χ^2/NDF: 69.9/75



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: 3937.214+/-0.707 χ^2/NDF:1406498.8/19

Left: 3931.048+/-0.496 χ^2/NDF: 2615292.3/40

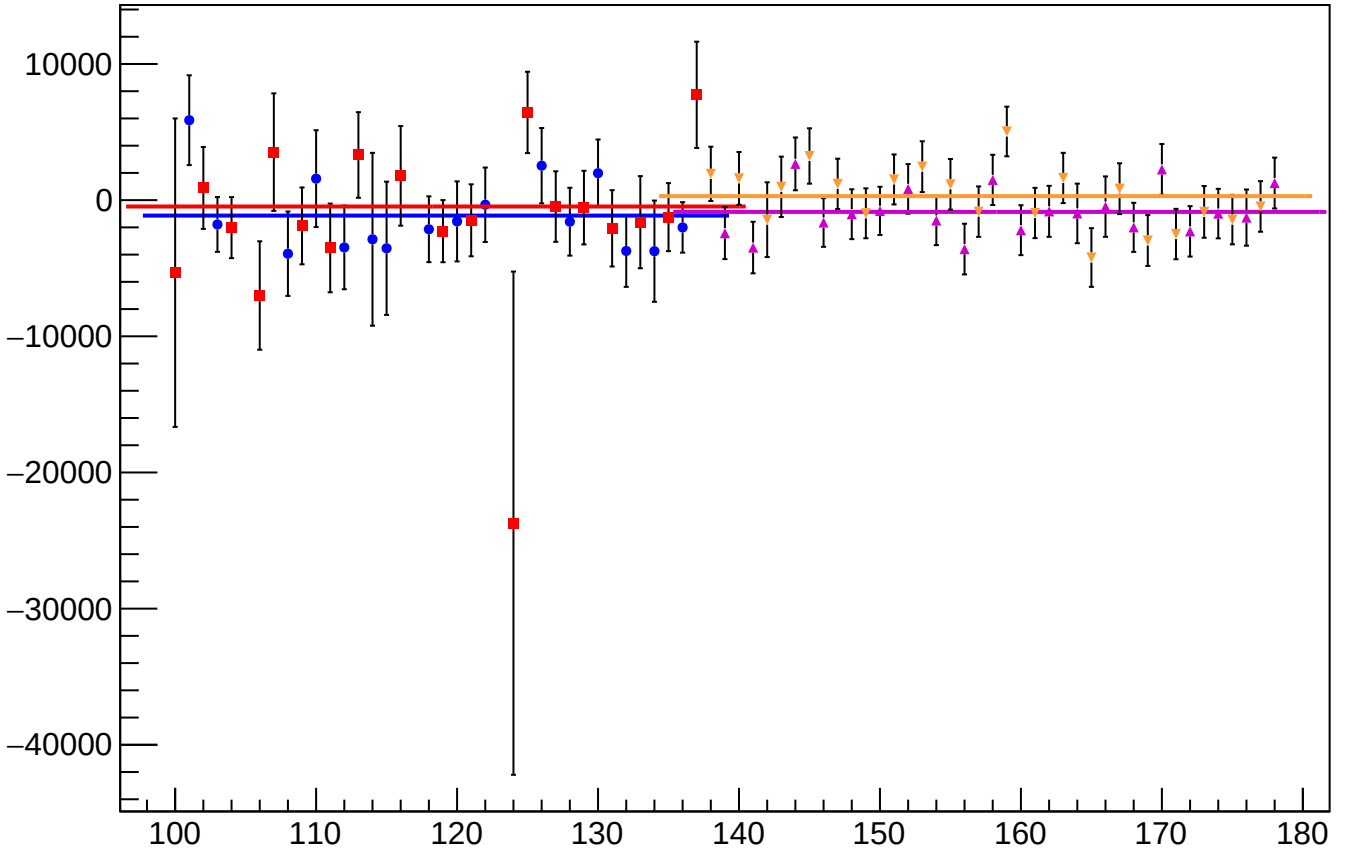
Right: 1033.223+/-0.339 χ^2/NDF: 19486549.2/34

In: 3936.449+/-0.588 χ^2/NDF:1966628.2/35

Out: 1374.636+/-0.318 χ^2/NDF:28709800.0/39

All: 1954.527+/-0.280 χ^2/NDF: 45348276.8/7

cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected



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: -863.293+/-420.867 χ^2/NDF:16.5/19

Left: -281.502+/-297.036 χ^2/NDF: 46.1/40

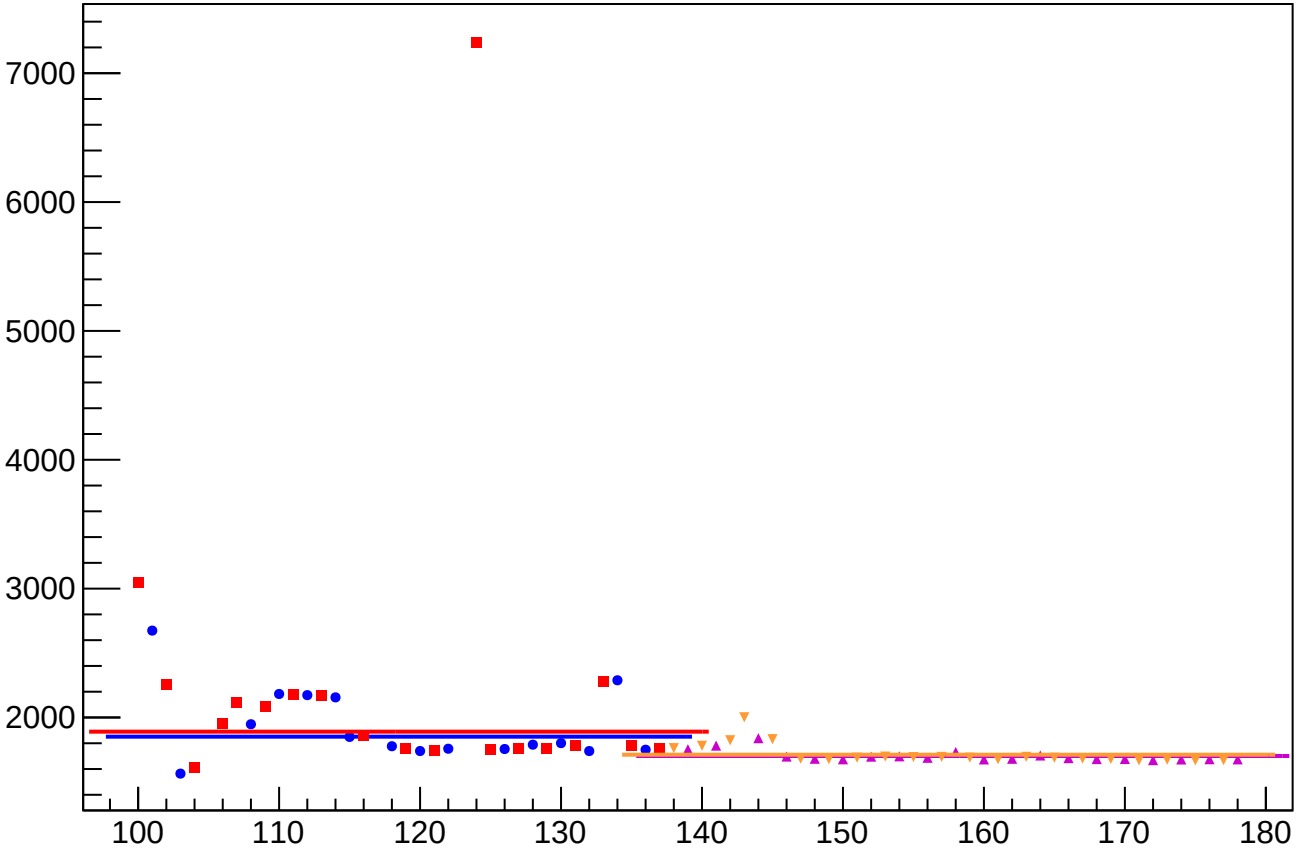
Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -936.169+/-359.834 χ^2/NDF:28.9/35

Out: 97.254+/-360.491 χ^2/NDF:46.7/39

All: -420.401+/-254.673 χ^2/NDF: 79.7/75

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: 1701.061+/-0.298 χ^2/NDF:19885.6/19

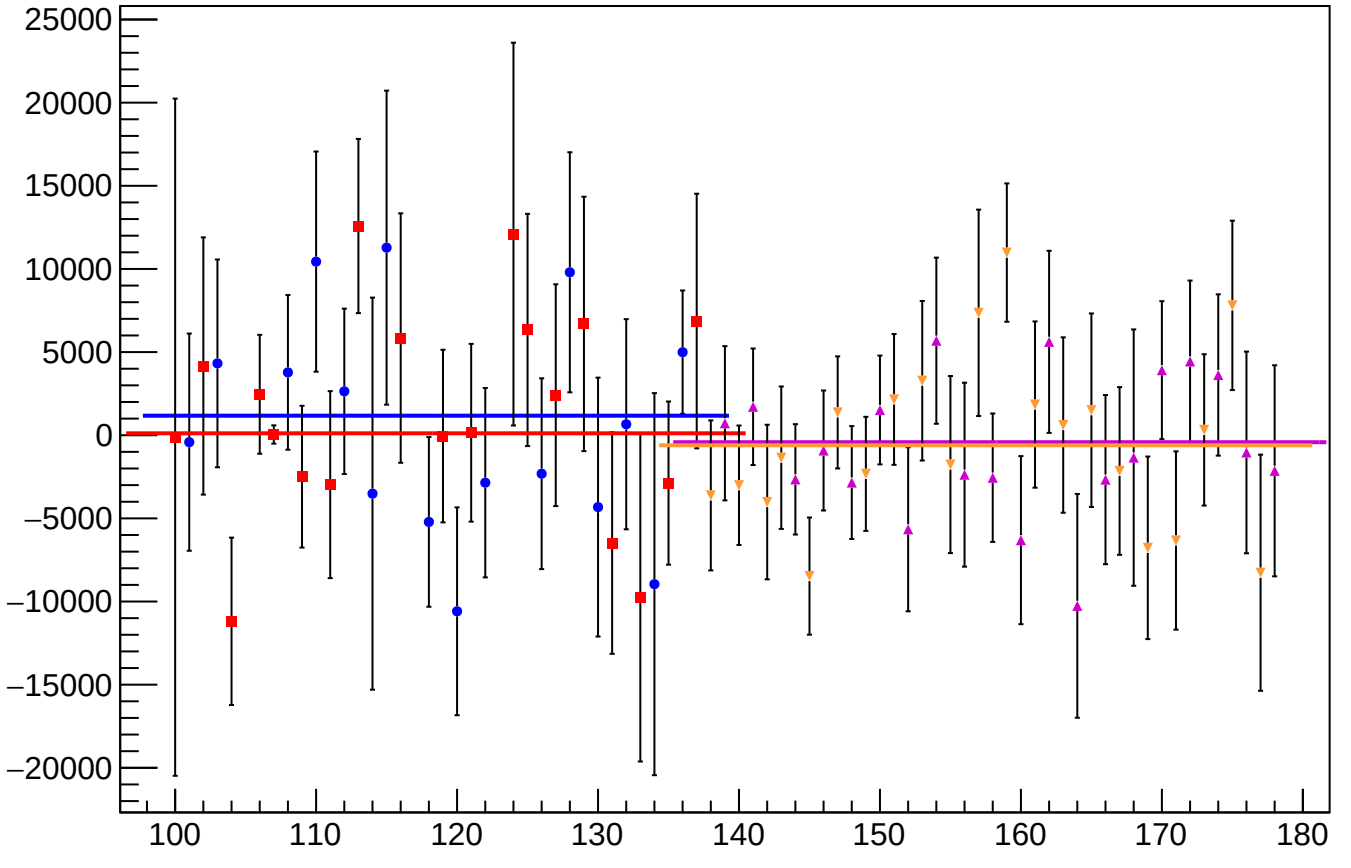
Left: 1706.071+/-0.210 χ^2/NDF: 77917.0/40

Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1741.430+/-0.254 χ^2/NDF:348270.9/35

Out: 1757.851+/-0.255 χ^2/NDF:511882.0/39

All: 1749.630+/-0.180 χ^2/NDF: 862232.8/75



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: -419.912+/-999.171 χ^2/NDF:12.6/19

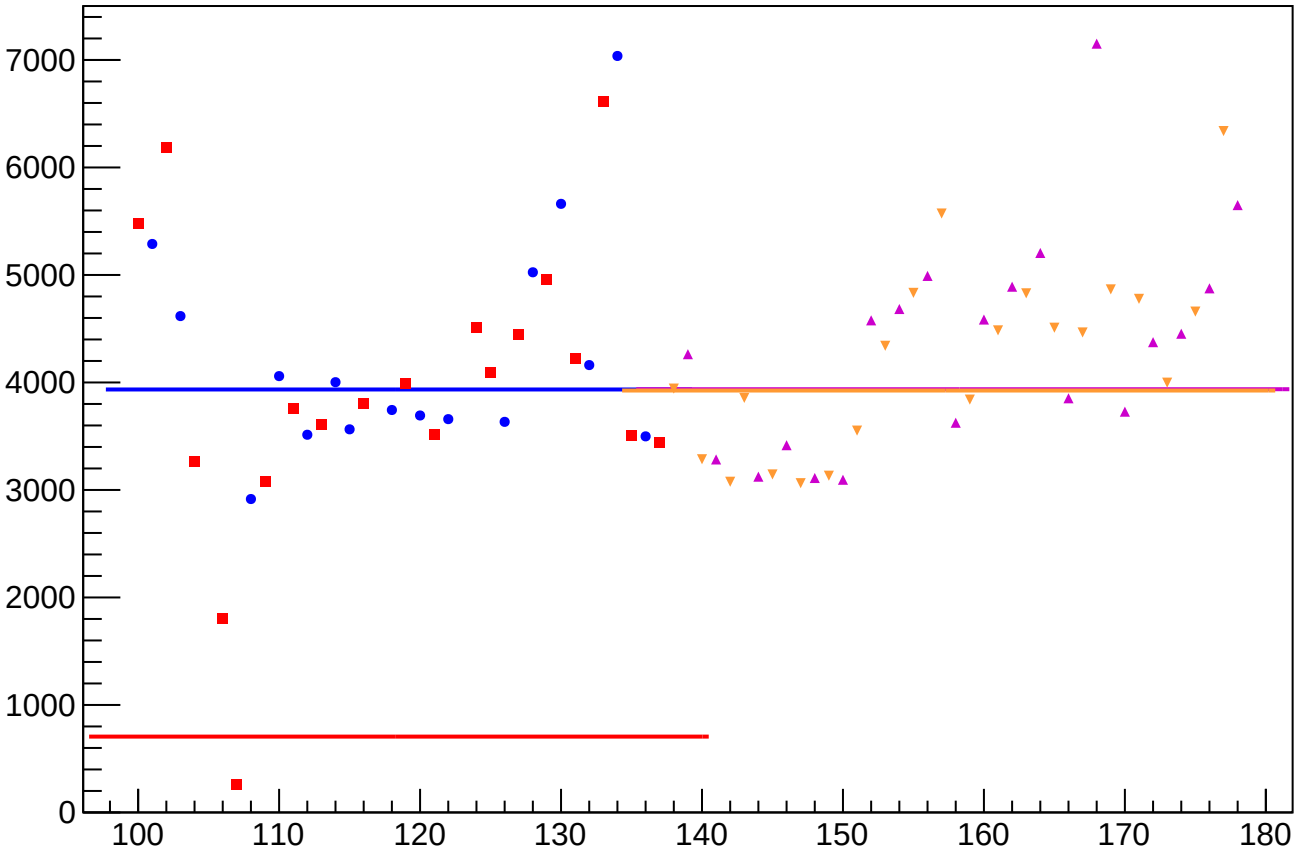
Left: -513.098+/-701.977 χ^2/NDF: 37.1/40

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 69.427+/-831.936 χ^2/NDF:27.1/35

Out: -36.988+/-454.636 χ^2/NDF:43.5/39

All: -12.516+/-398.951 χ^2/NDF: 70.6/75



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: 3937.213+/-0.707 χ^2/NDF:1406483.7/19

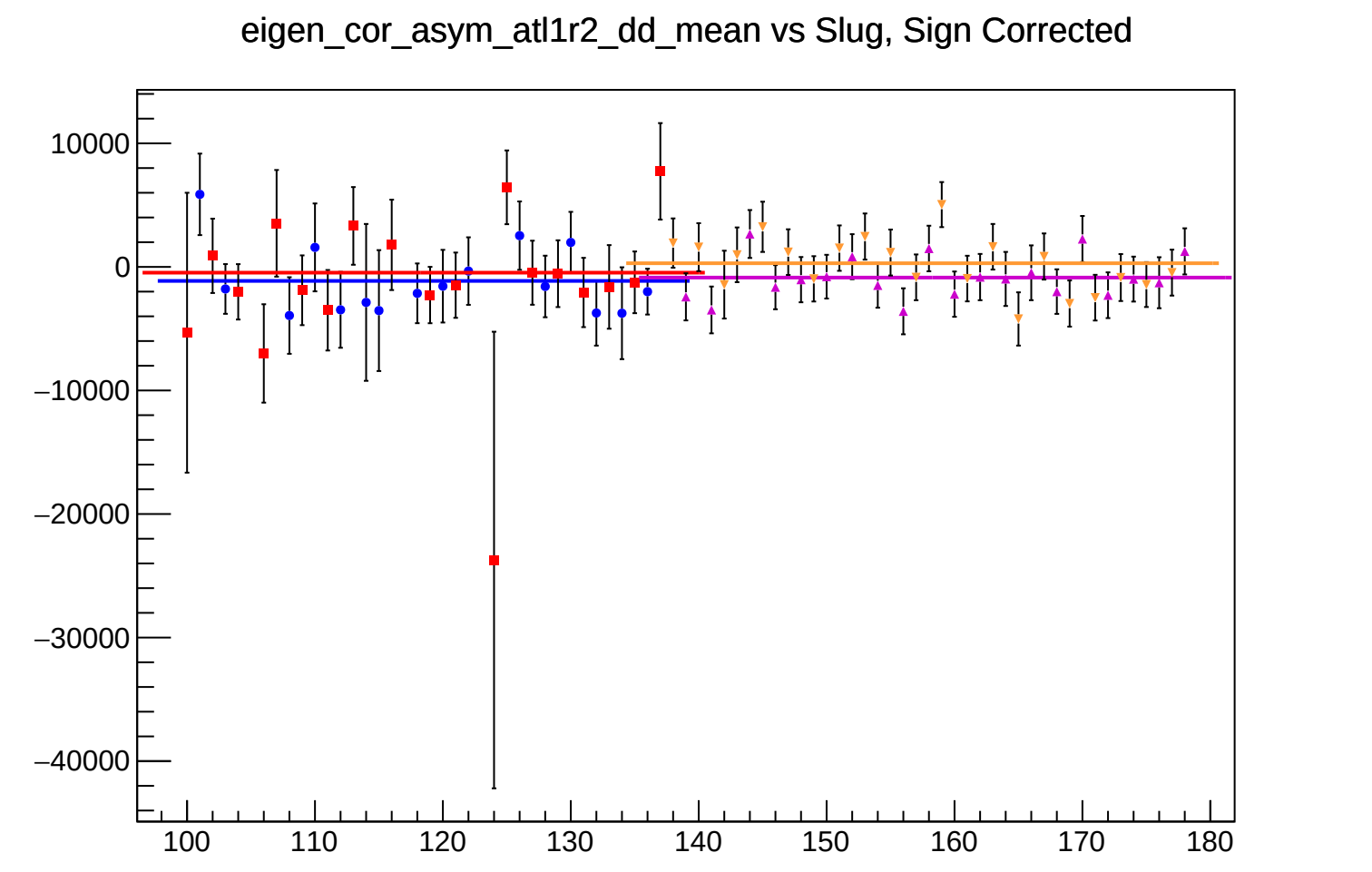
Left: 3931.043+/-0.496 χ^2/NDF: 2615287.5/40

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3936.450+/-0.588 χ^2/NDF:1966637.4/35

Out: 1389.469+/-0.321 χ^2/NDF:28733708.3/39

All: 1975.183+/-0.282 χ^2/NDF: 45135218.5/7



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: -863.293+/-420.867 χ^2/NDF:16.5/19

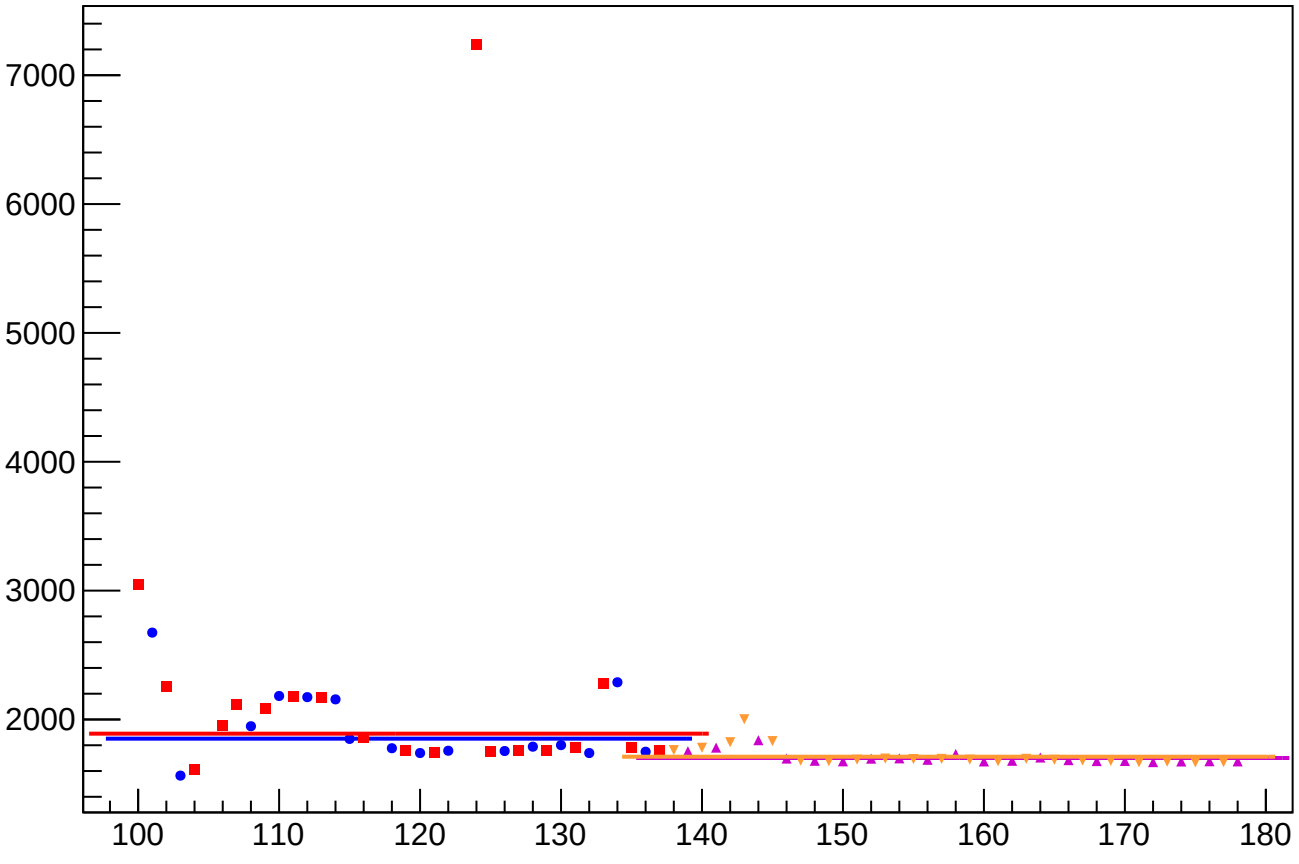
Left: -281.502+/-297.036 χ^2/NDF: 46.1/40

Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -936.169+/-359.834 χ^2/NDF:28.9/35

Out: 97.254+/-360.491 χ^2/NDF:46.7/39

All: -420.401+/-254.673 χ^2/NDF: 79.7/75



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: 1701.061+/-0.298 χ^2/NDF:19885.6/19

Left: 1706.071+/-0.210 χ^2/NDF: 77917.0/40

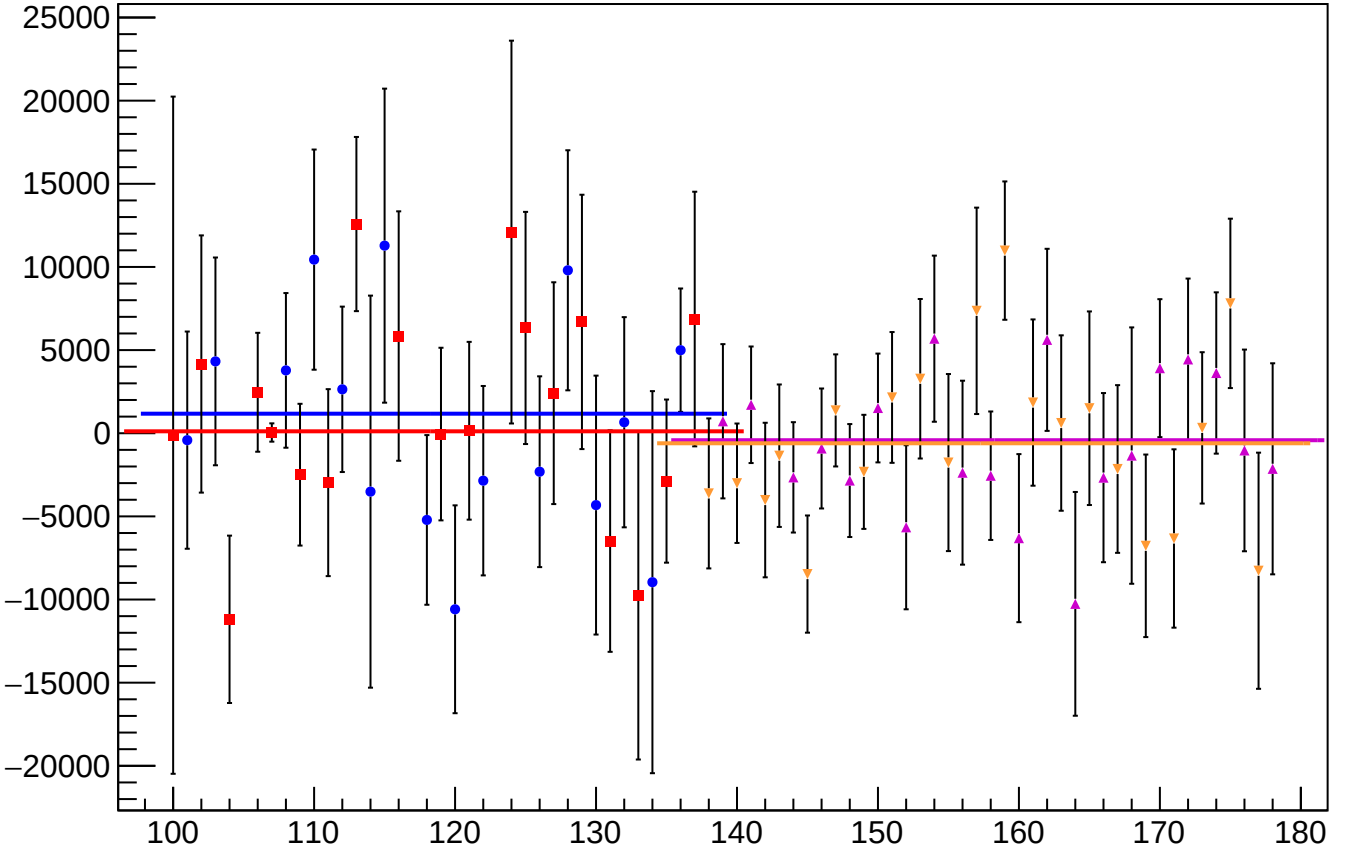
Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1741.430+/-0.254 χ^2/NDF:348270.9/35

Out: 1757.851+/-0.255 χ^2/NDF:511882.0/39

All: 1749.630+/-0.180 χ^2/NDF: 862232.8/75

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: -419.912+/-999.171 χ^2/NDF:12.6/19

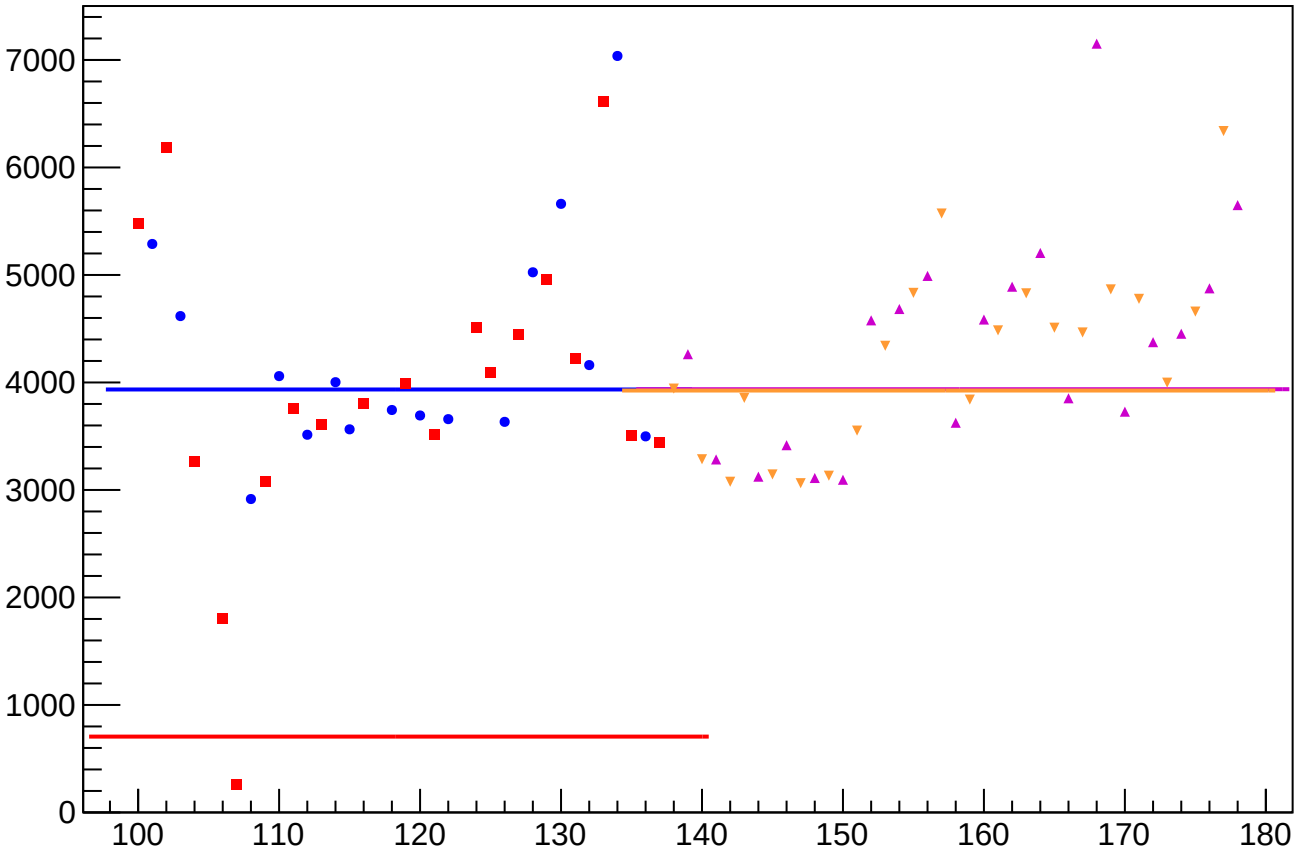
Left: -513.098+/-701.977 χ^2/NDF: 37.1/40

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 69.427+/-831.936 χ^2/NDF:27.1/35

Out: -36.988+/-454.636 χ^2/NDF:43.5/39

All: -12.516+/-398.951 χ^2/NDF: 70.6/75



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: 3937.213+/-0.707 χ^2/NDF:1406483.7/19

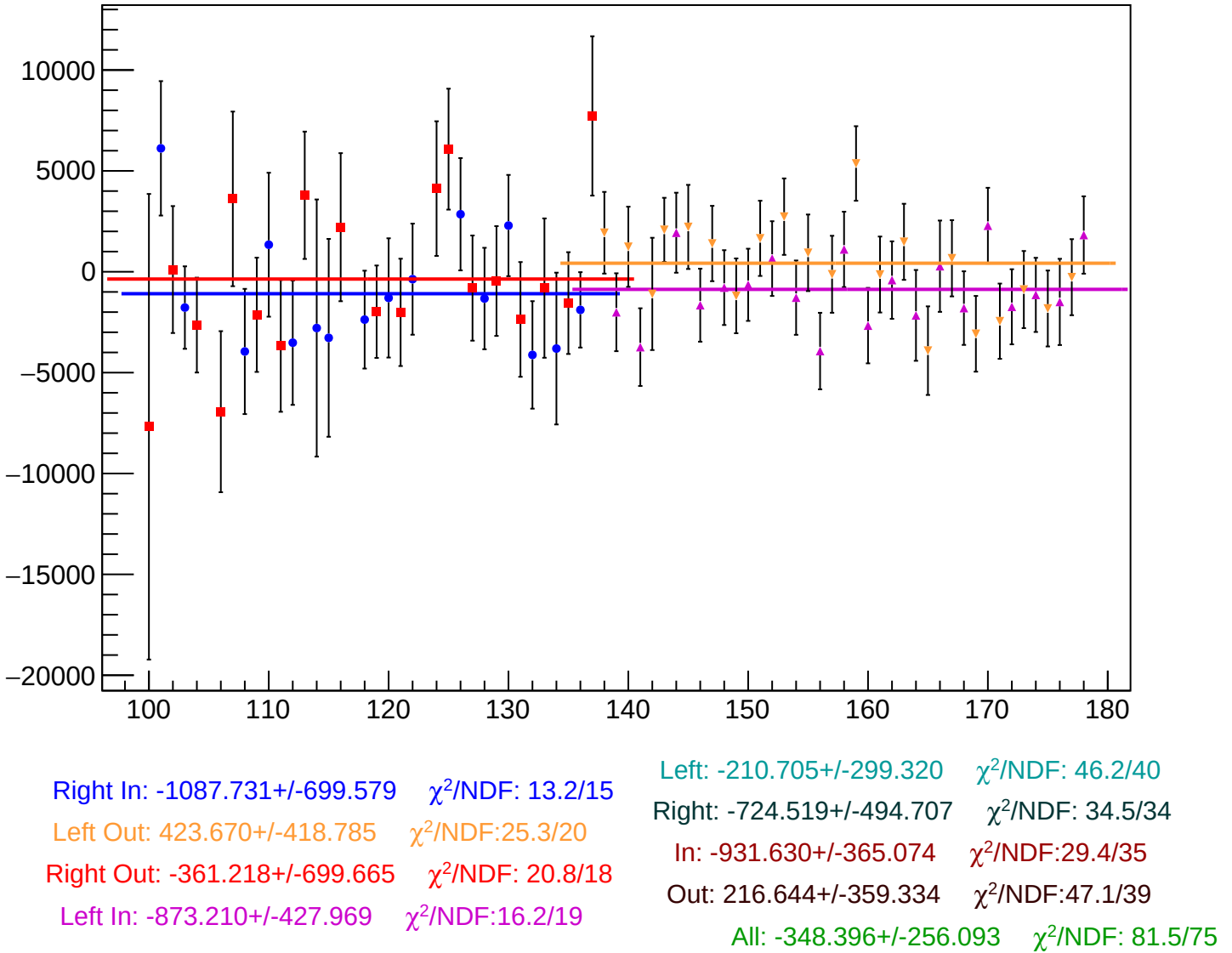
Left: 3931.043+/-0.496 χ^2/NDF: 2615287.5/40

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

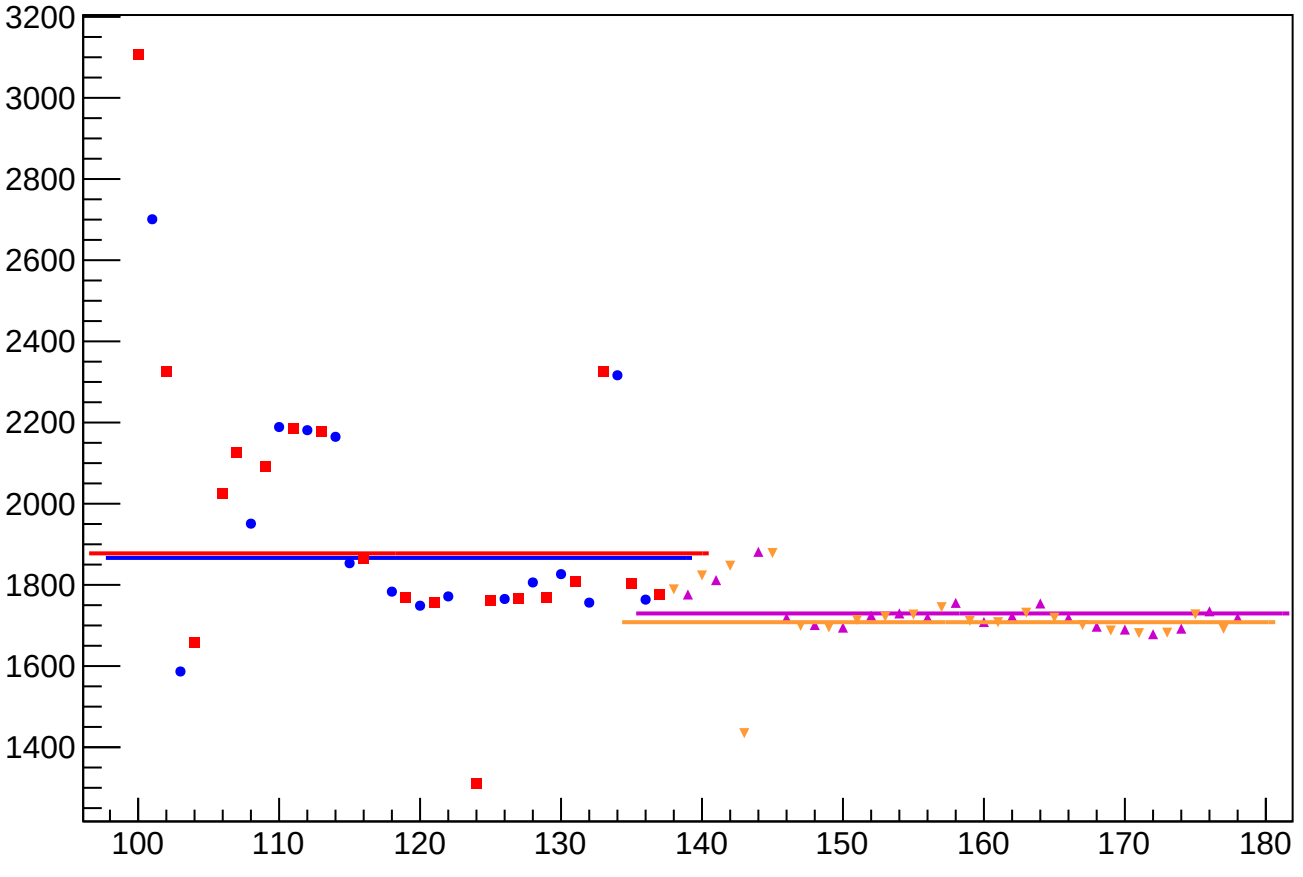
In: 3936.450+/-0.588 χ^2/NDF:1966637.4/35

Out: 1389.469+/-0.321 χ^2/NDF:28733708.3/39

All: 1975.183+/-0.282 χ^2/NDF: 45135218.5/7


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: -873.210+/-427.969 χ²/NDF:16.2/19
Left: -210.705+/-299.320 χ²/NDF: 46.2/40
Right: -724.519+/-494.707 χ²/NDF: 34.5/34
In: -931.630+/-365.074 χ²/NDF:29.4/35
Out: 216.644+/-359.334 χ²/NDF:47.1/39
All: -348.396+/-256.093 χ²/NDF: 81.5/75

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: 1729.615+/-0.303 χ^2/NDF:22825.3/19

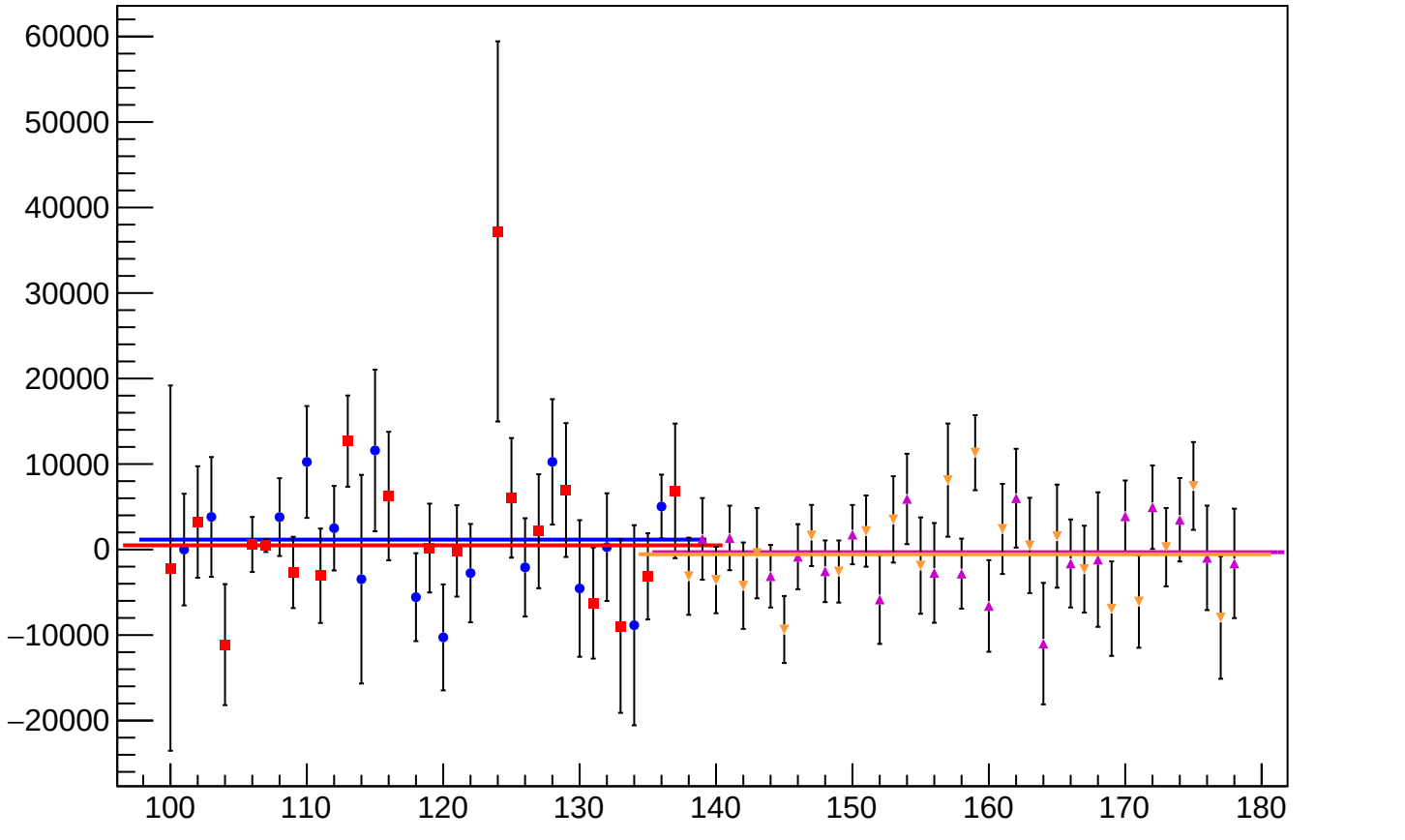
Left: 1718.615+/-0.212 χ^2/NDF: 115989.9/40

Right: 1872.061+/-0.350 χ^2/NDF: 508369.5/34

In: 1766.880+/-0.258 χ^2/NDF:334771.2/35

Out: 1752.865+/-0.254 χ^2/NDF:429030.4/39

All: 1759.760+/-0.181 χ^2/NDF: 765298.9/75



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: -310.043+/-1047.914 χ^2/NDF:12.5/19

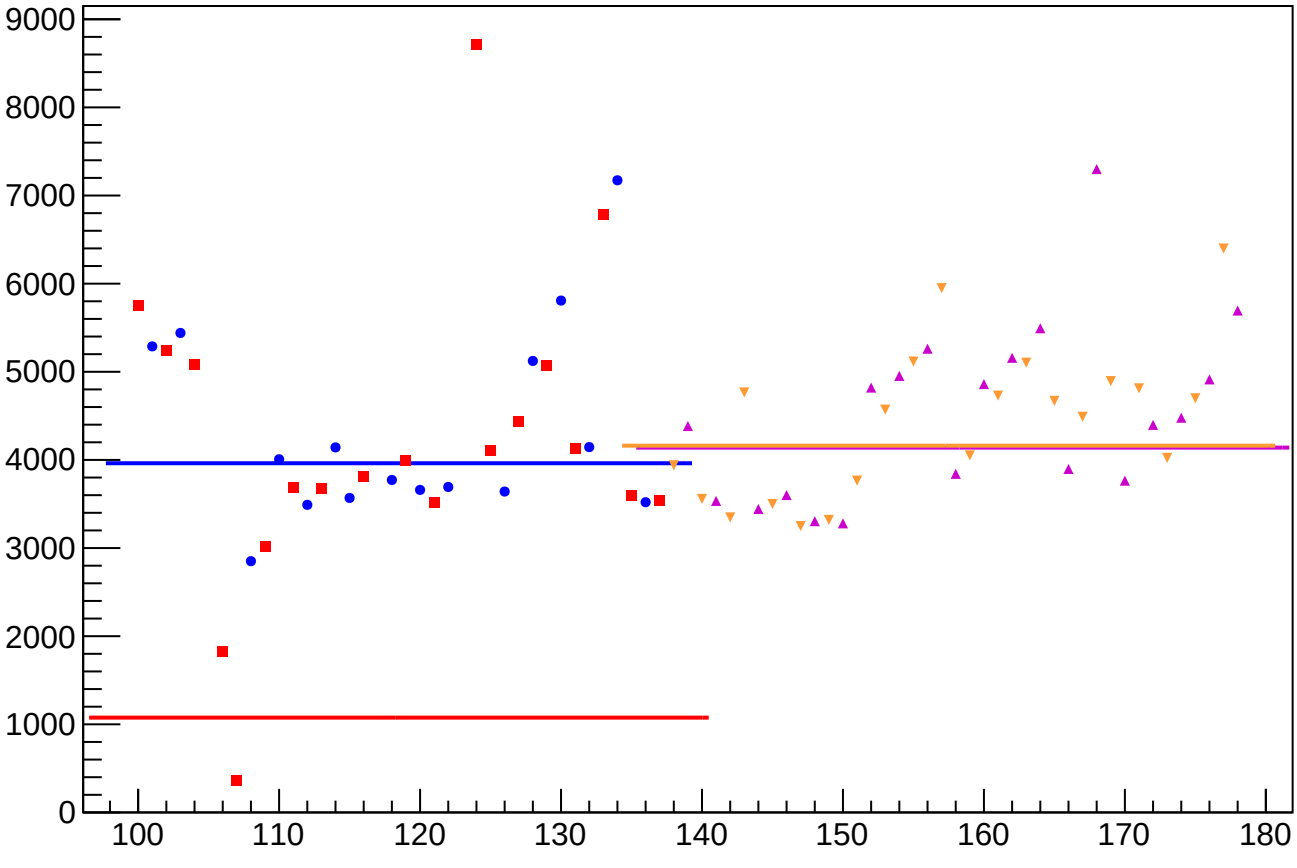
Left: -431.142+/-739.277 χ^2/NDF: 36.3/40

Right: 599.419+/-603.751 χ^2/NDF: 30.8/34

In: 167.224+/-861.323 χ^2/NDF:26.7/35

Out: 195.386+/-556.832 χ^2/NDF:41.5/39

All: 187.085+/-467.622 χ^2/NDF: 68.2/75



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: 4139.670+/-0.741 χ^2/NDF:1245323.4/19

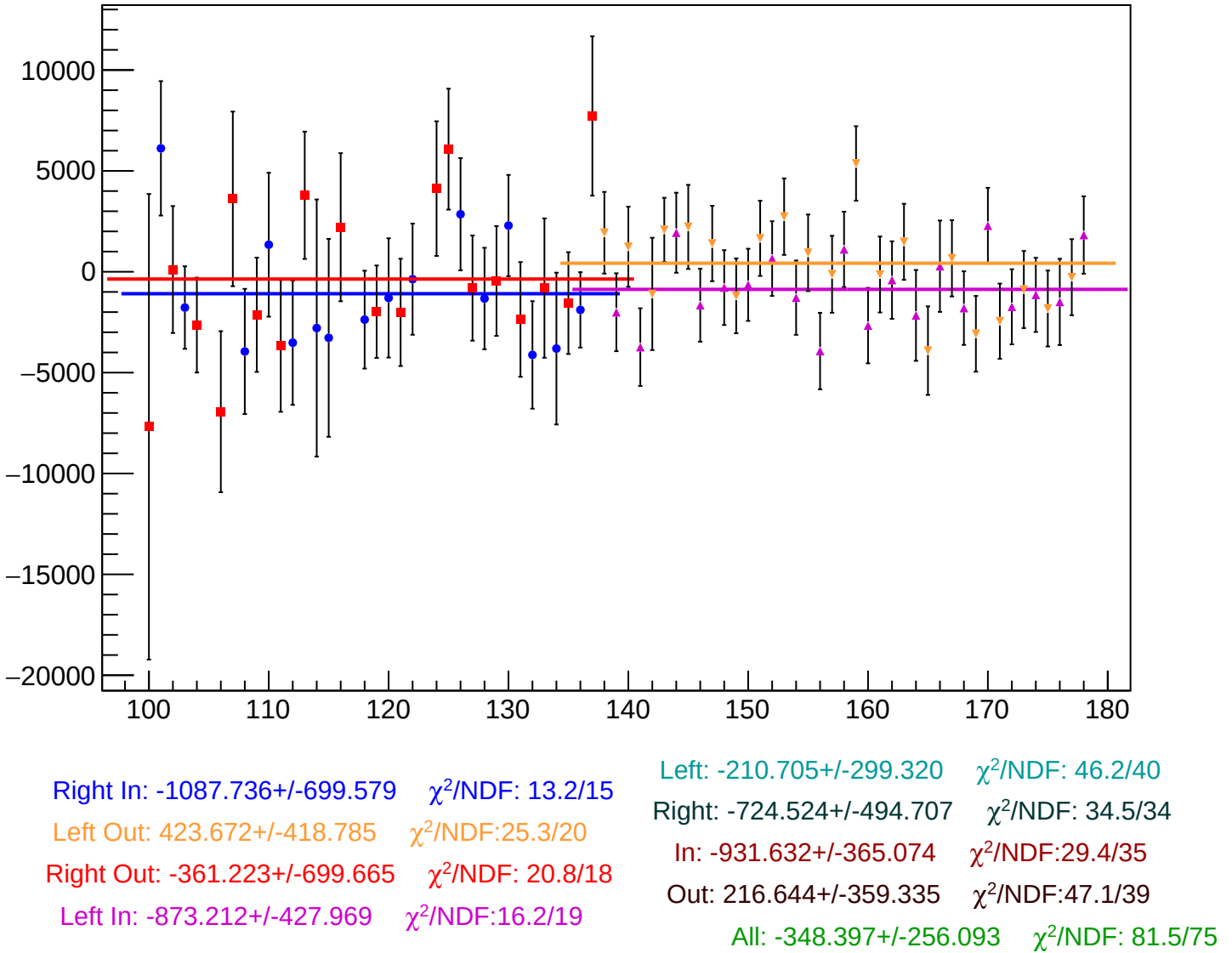
Left: 4150.737+/-0.523 χ^2/NDF: 2293145.1/40

Right: 1536.045+/-0.427 χ^2/NDF: 16351680.6/34

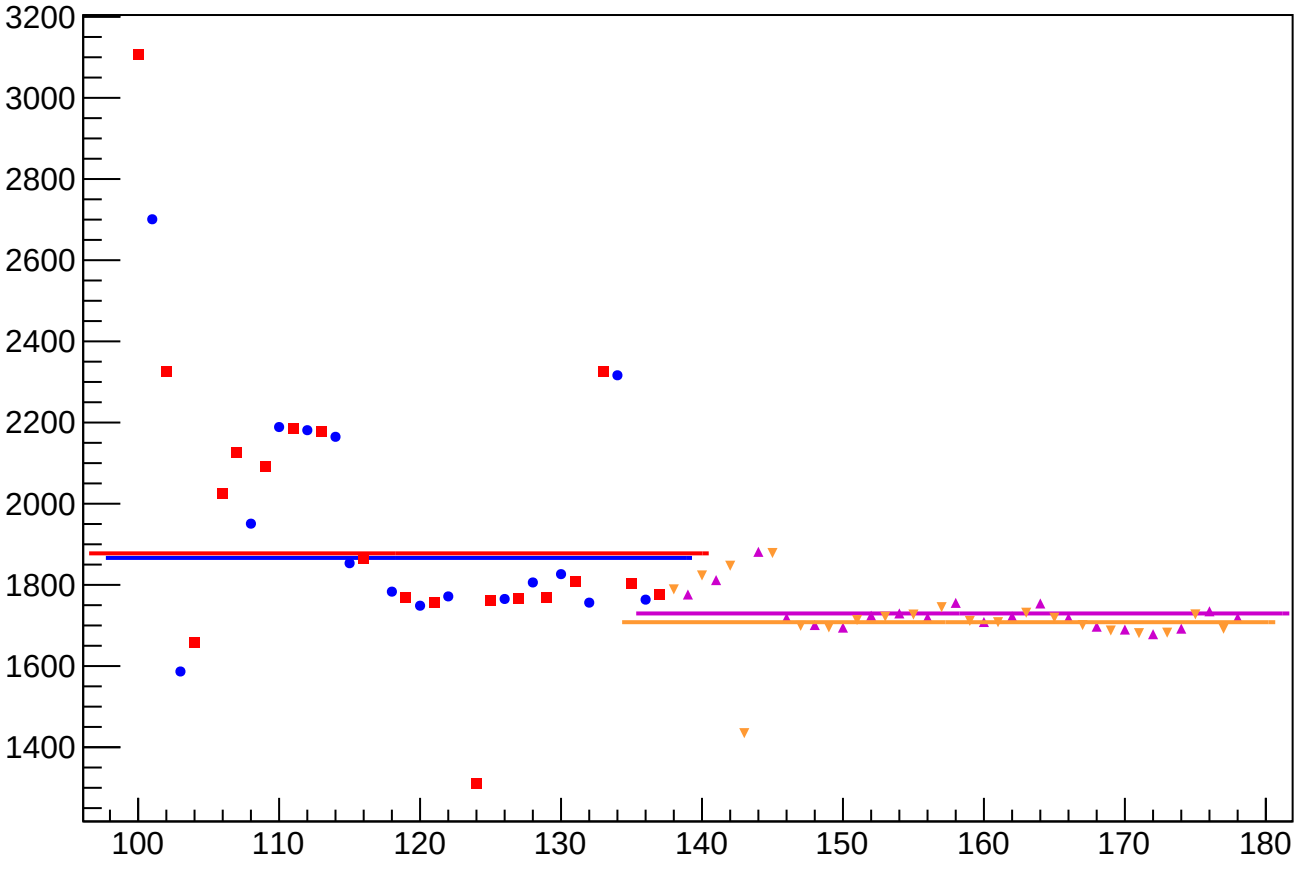
In: 4082.150+/-0.609 χ^2/NDF:1932236.9/35

Out: 1955.308+/-0.394 χ^2/NDF:23120640.7/39

All: 2582.201+/-0.331 χ^2/NDF: 33653108.6/7


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: -873.212+/-427.969 χ²/NDF:16.2/19
Left: -210.705+/-299.320 χ²/NDF: 46.2/40
Right: -724.524+/-494.707 χ²/NDF: 34.5/34
In: -931.632+/-365.074 χ²/NDF:29.4/35
Out: 216.644+/-359.335 χ²/NDF:47.1/39
All: -348.397+/-256.093 χ²/NDF: 81.5/75

eigen_dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



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: 1729.615+/-0.303 χ^2/NDF:22825.3/19

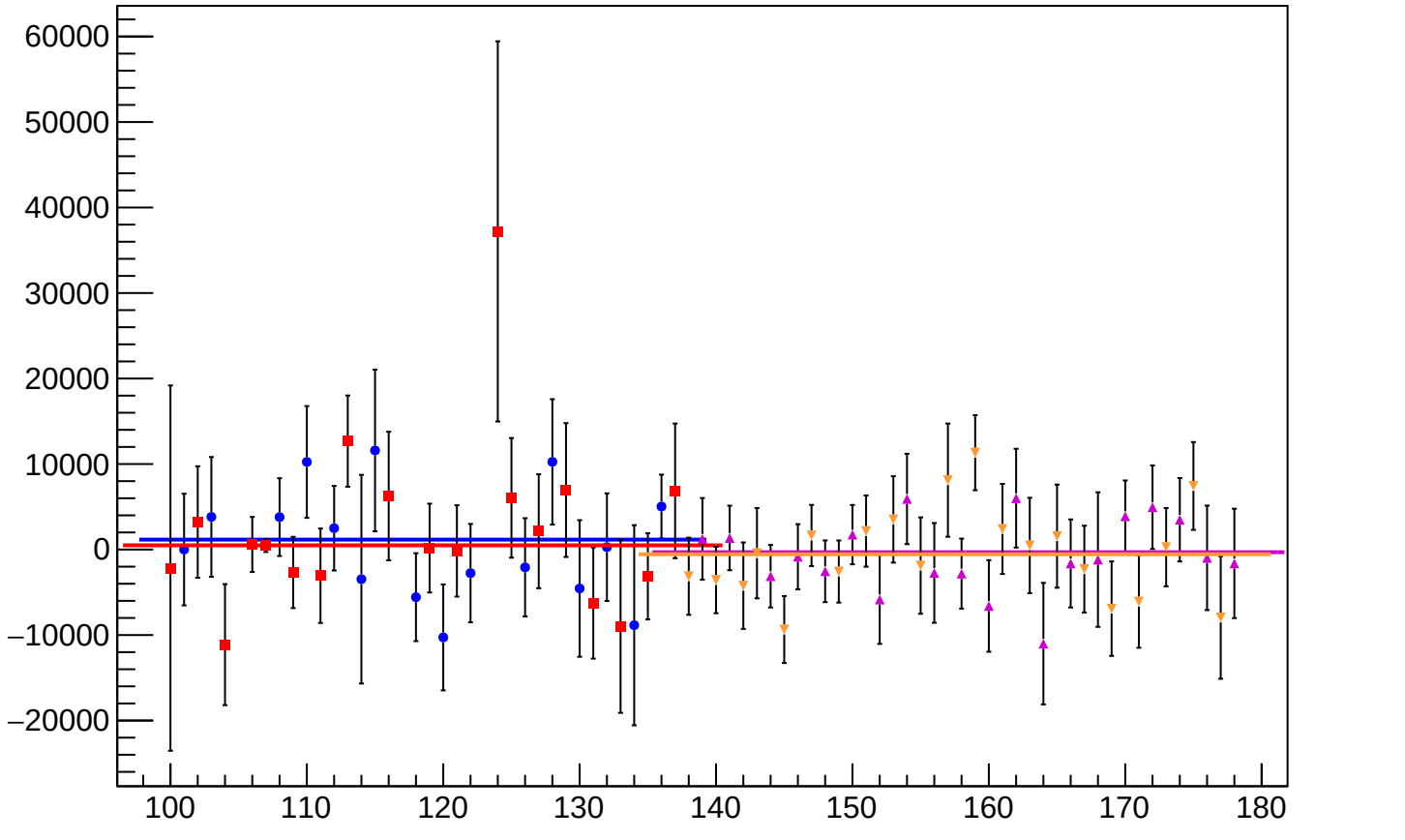
Left: 1718.616+/-0.212 χ^2/NDF: 115989.1/40

Right: 1872.061+/-0.350 χ^2/NDF: 508369.7/34

In: 1766.880+/-0.258 χ^2/NDF:334770.4/35

Out: 1752.866+/-0.254 χ^2/NDF:429029.1/39

All: 1759.761+/-0.181 χ^2/NDF: 765296.9/75



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -551.129+/-1043.095 χ^2/NDF:23.8/20

Right Out: 492.914+/-658.521 χ^2/NDF: 16.9/18

Left In: -310.042+/-1047.915 χ^2/NDF:12.5/19

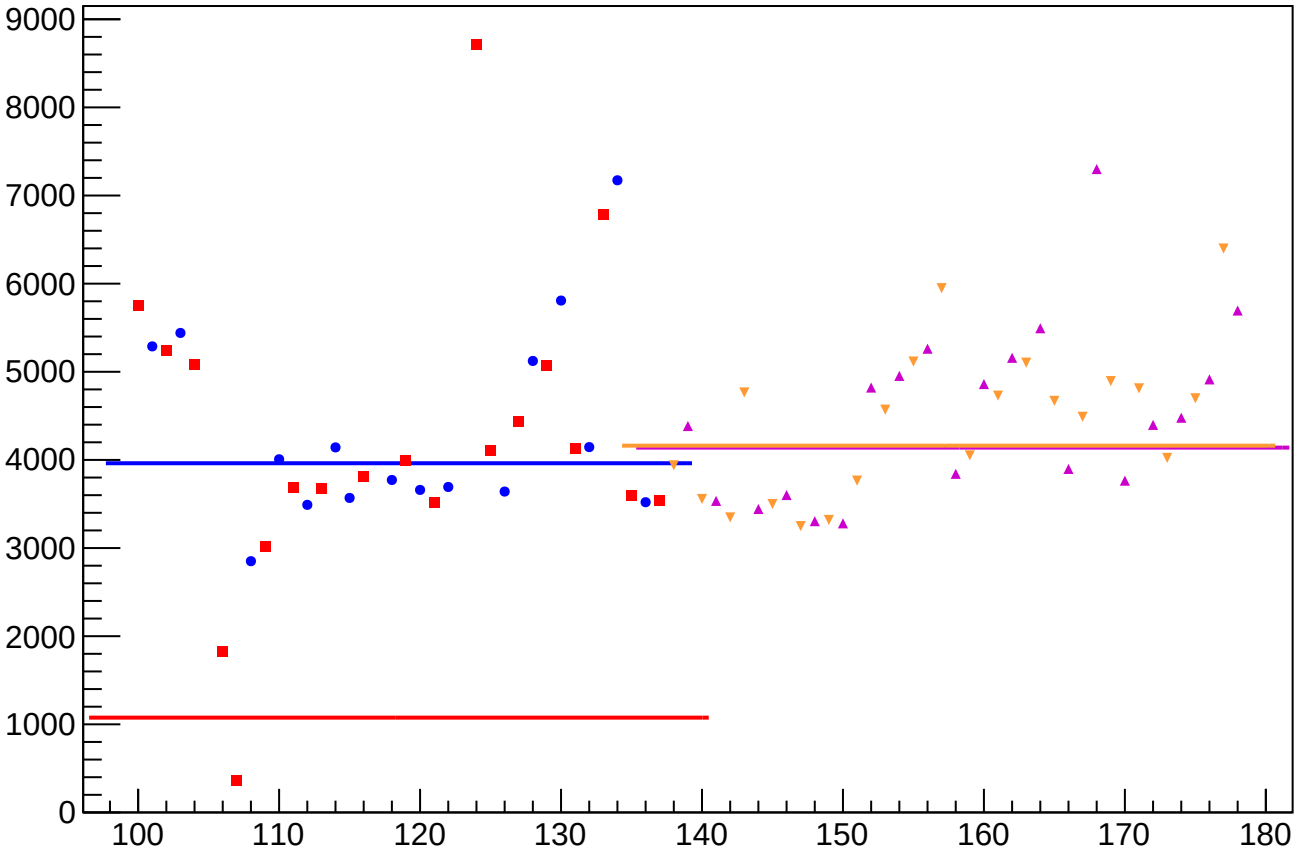
Left: -431.141+/-739.278 χ^2/NDF: 36.3/40

Right: 599.426+/-603.759 χ^2/NDF: 30.8/34

In: 167.220+/-861.323 χ^2/NDF:26.7/35

Out: 195.385+/-556.839 χ^2/NDF:41.5/39

All: 187.083+/-467.626 χ^2/NDF: 68.2/75



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: 4139.675+/-0.741 χ^2/NDF:1245326.8/19

Left: 4150.742+/-0.523 χ^2/NDF: 2293148.6/40

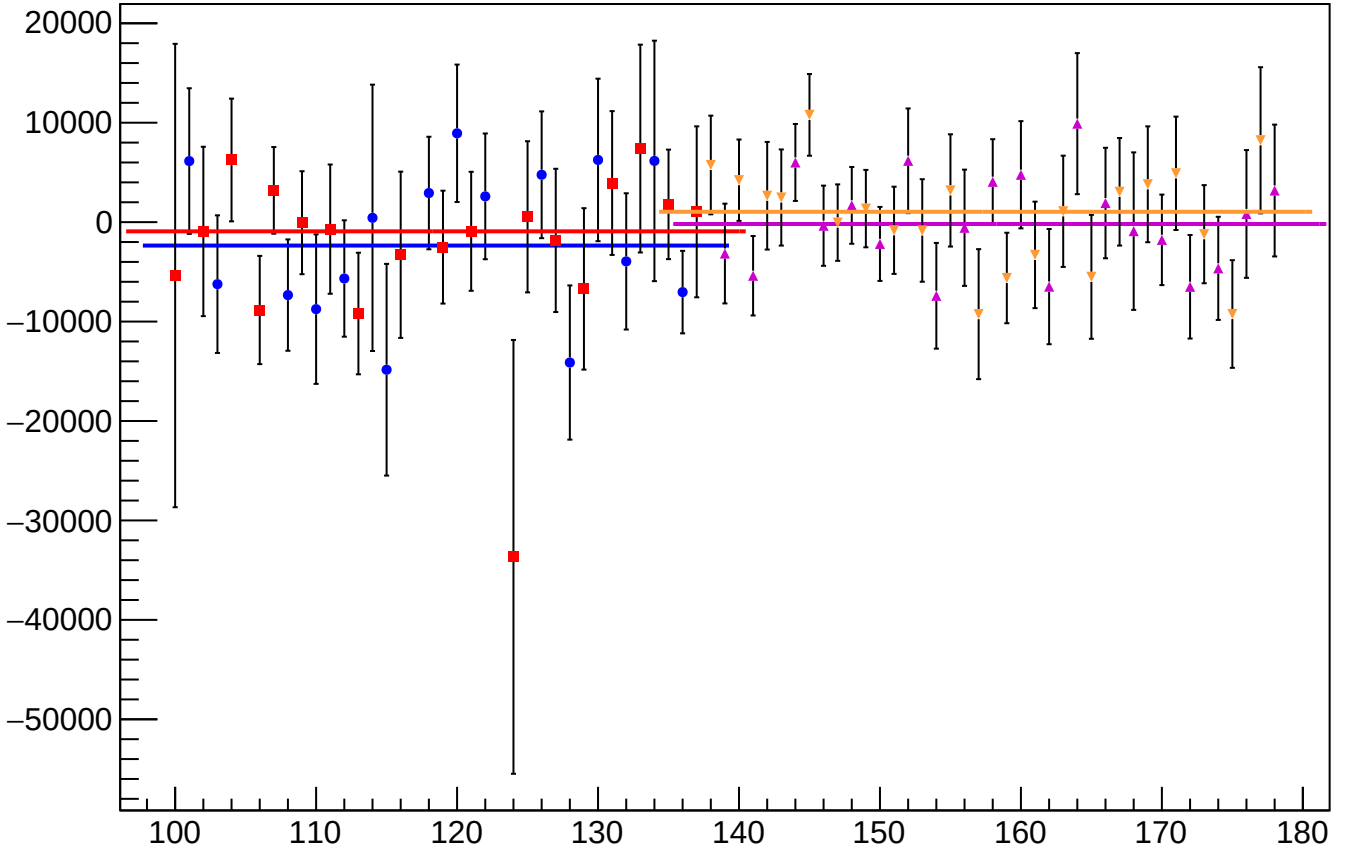
Right: 1536.084+/-0.427 χ^2/NDF: 16351375.7/34

In: 4082.152+/-0.609 χ^2/NDF:1932239.3/35

Out: 1955.351+/-0.394 χ^2/NDF:23120166.0/39

All: 2582.241+/-0.331 χ^2/NDF: 33652238.9/7

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: -186.781+/-1099.689 χ^2/NDF:16.2/19

Left: 434.267+/-773.719 χ^2/NDF: 36.7/40

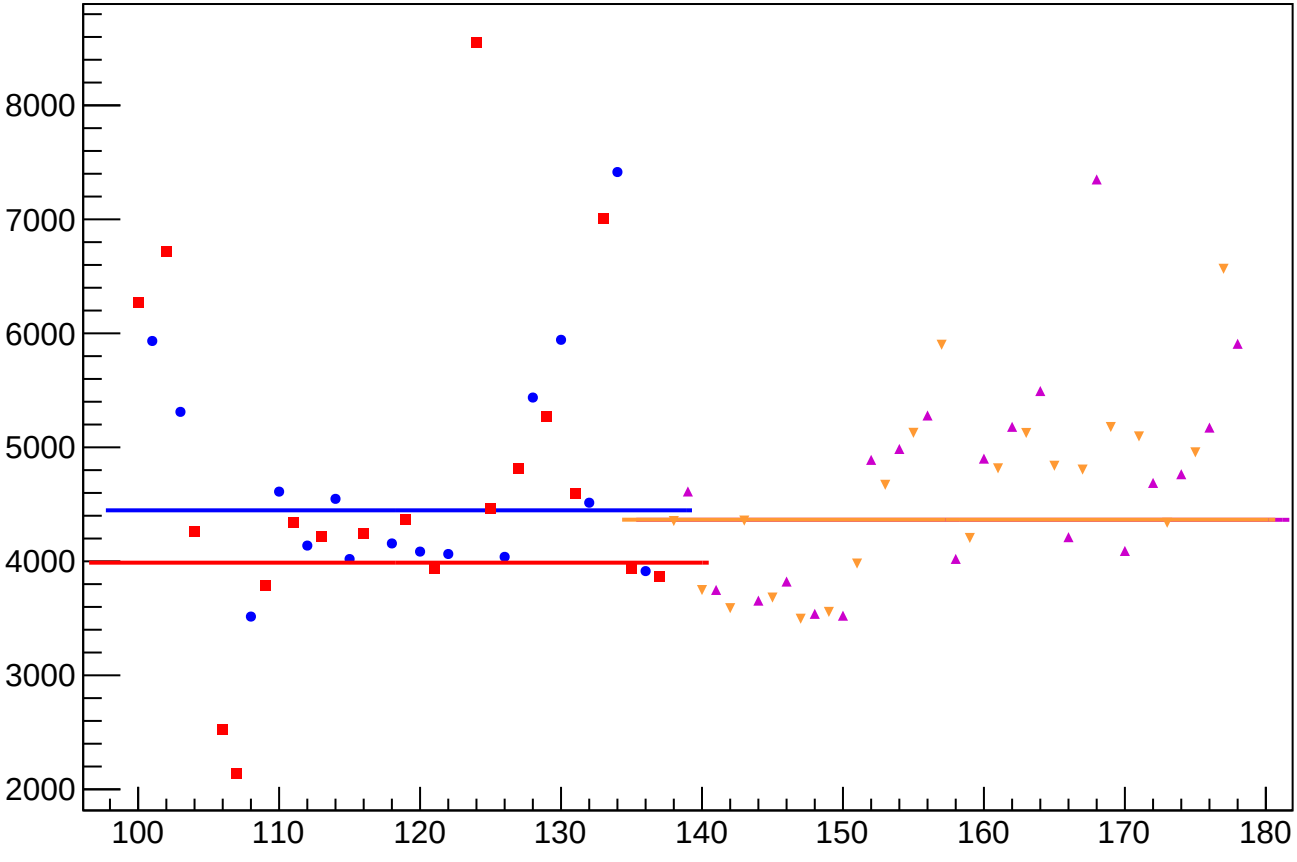
Right: -1578.969+/-1139.452 χ^2/NDF: 26.5/34

In: -834.509+/-920.882 χ^2/NDF:32.9/35

Out: 391.100+/-890.360 χ^2/NDF:31.5/39

All: -201.057+/-640.098 χ^2/NDF: 65.4/75

asym_atl1r2_dd_rms vs Slug, Sign Corrected



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: 4364.234+/-0.778 χ^2/NDF:1021030.8/19

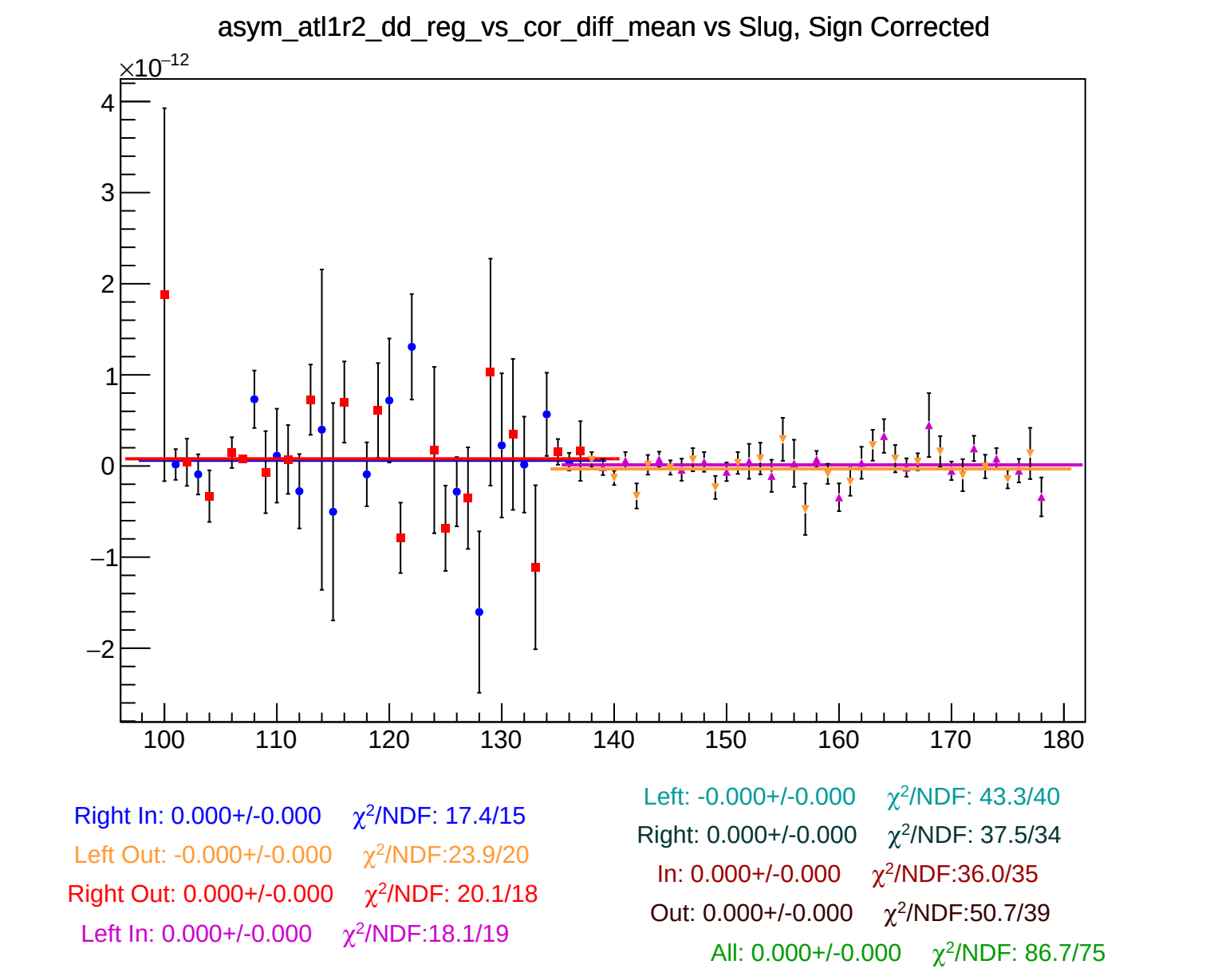
Left: 4364.806+/-0.547 χ^2/NDF: 1873881.5/40

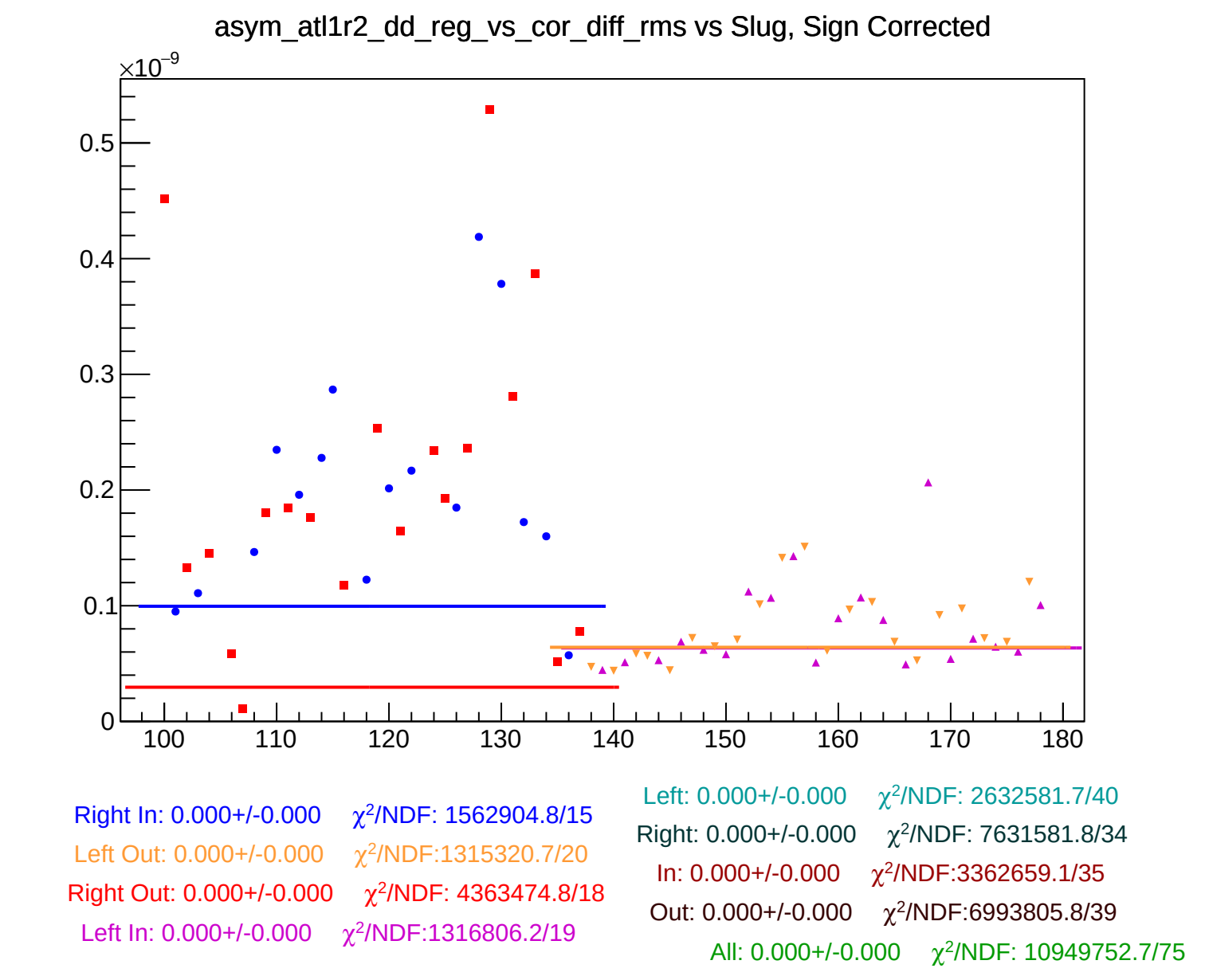
Right: 4196.010+/-0.801 χ^2/NDF: 1683524.5/34

In: 4389.087+/-0.651 χ^2/NDF:1482701.4/35

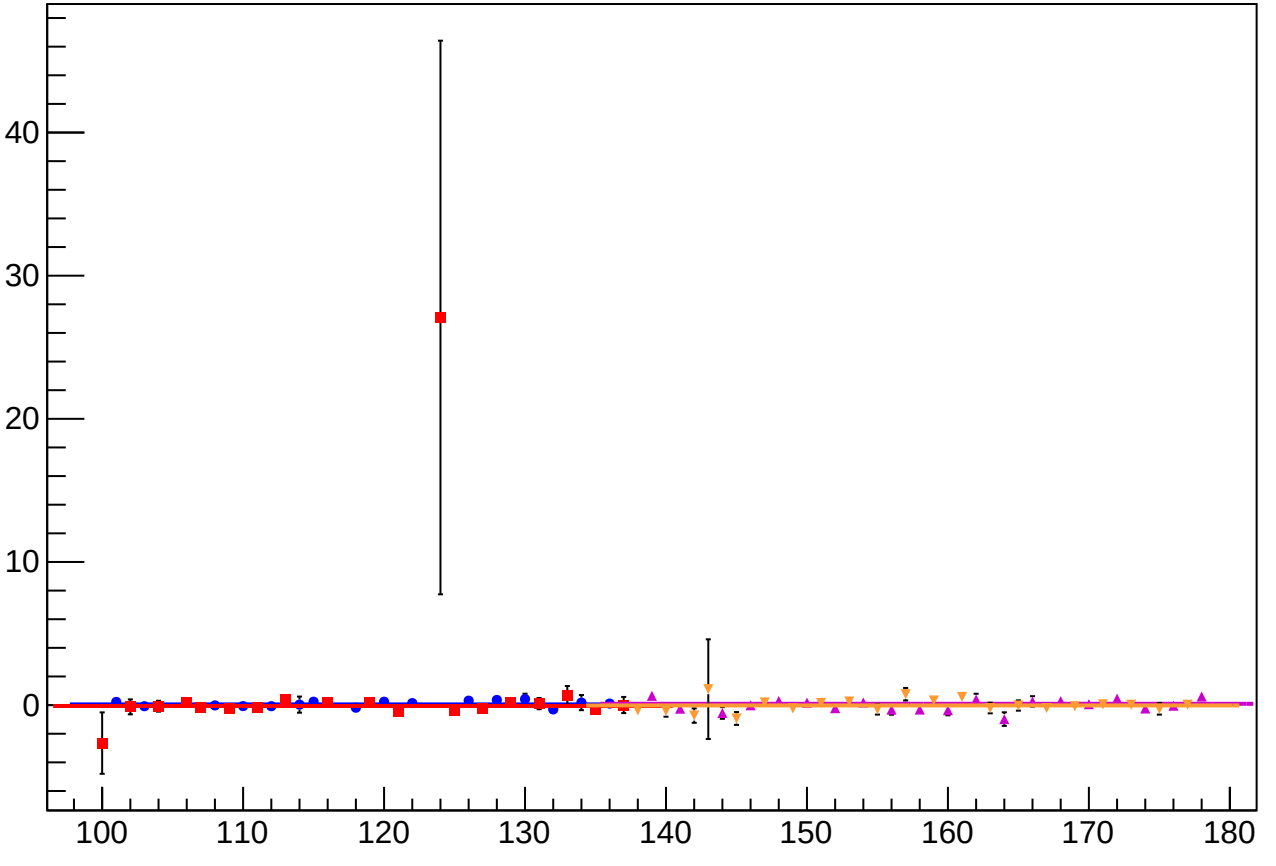
Out: 4238.760+/-0.627 χ^2/NDF:2077333.2/39

All: 4311.142+/-0.452 χ^2/NDF: 3587669.3/75


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:18.1/19
Left: -0.000+/-0.000 χ²/NDF: 43.3/40
Right: 0.000+/-0.000 χ²/NDF: 37.5/34
In: 0.000+/-0.000 χ²/NDF:36.0/35
Out: 0.000+/-0.000 χ²/NDF:50.7/39
All: 0.000+/-0.000 χ²/NDF: 86.7/75


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:1316806.2/19
Left: 0.000+/-0.000 χ²/NDF: 2632581.7/40
Right: 0.000+/-0.000 χ²/NDF: 7631581.8/34
In: 0.000+/-0.000 χ²/NDF:3362659.1/35
Out: 0.000+/-0.000 χ²/NDF:6993805.8/39
All: 0.000+/-0.000 χ²/NDF: 10949752.7/75

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.023+/-0.064 χ^2/NDF:19.9/20

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.092+/-0.065 χ^2/NDF:30.1/19

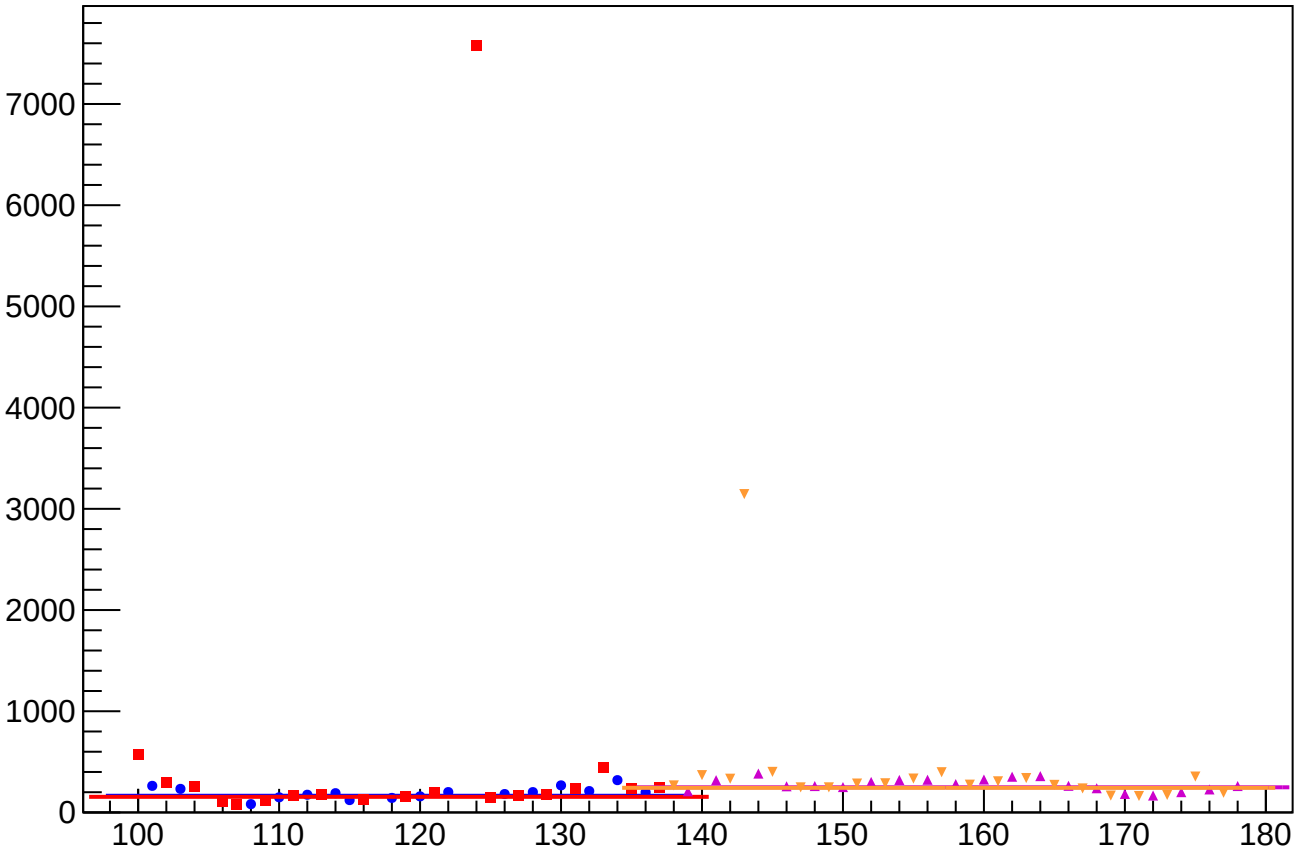
Left: 0.034+/-0.046 χ^2/NDF: 51.6/40

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.071+/-0.046 χ^2/NDF:38.0/35

Out: -0.042+/-0.046 χ^2/NDF:38.5/39

All: 0.013+/-0.032 χ^2/NDF: 79.5/75



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: 248.512+/-0.046 χ^2/NDF:1638250.3/19

Left: 246.013+/-0.032 χ^2/NDF: 5427953.7/40

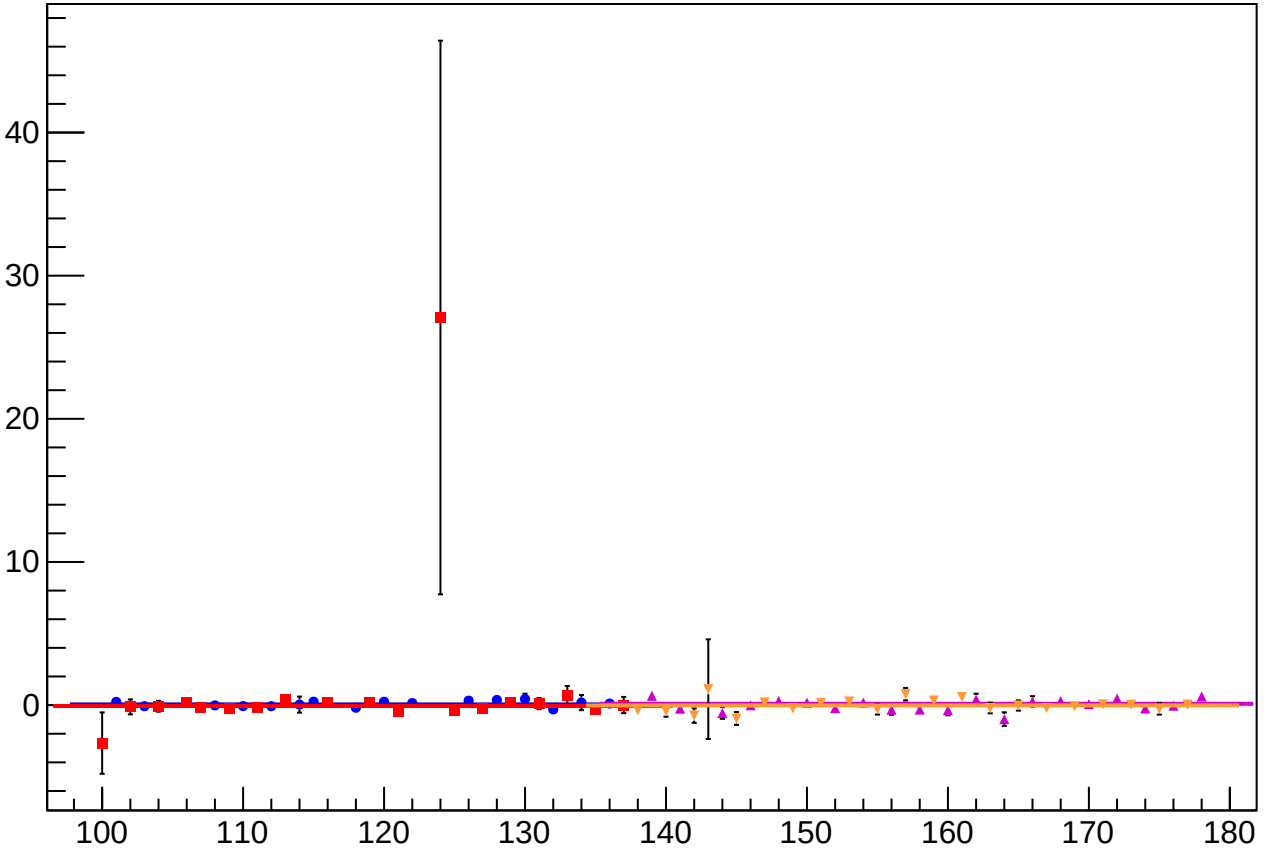
Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 207.854+/-0.033 χ^2/NDF:4743987.4/35

Out: 198.942+/-0.032 χ^2/NDF:7620035.9/39

All: 203.325+/-0.023 χ^2/NDF: 12401685.8/75

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: 0.092+/-0.065 χ^2/NDF:30.1/19

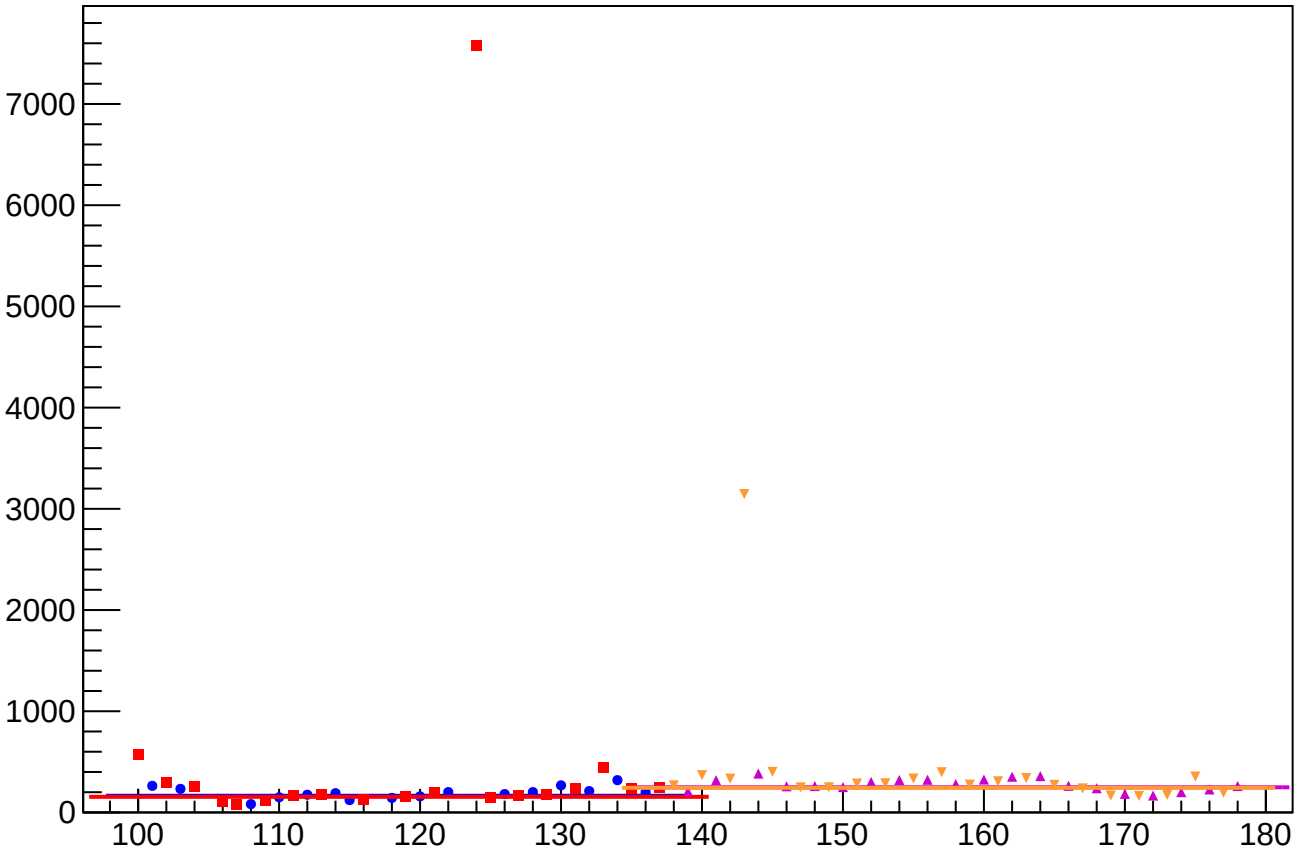
Left: 0.034+/-0.046 χ^2/NDF: 51.6/40

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.071+/-0.046 χ^2/NDF:38.0/35

Out: -0.042+/-0.046 χ^2/NDF:38.5/39

All: 0.013+/-0.032 χ^2/NDF: 79.5/75



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: 248.512+/-0.046 χ^2/NDF:1638250.3/19

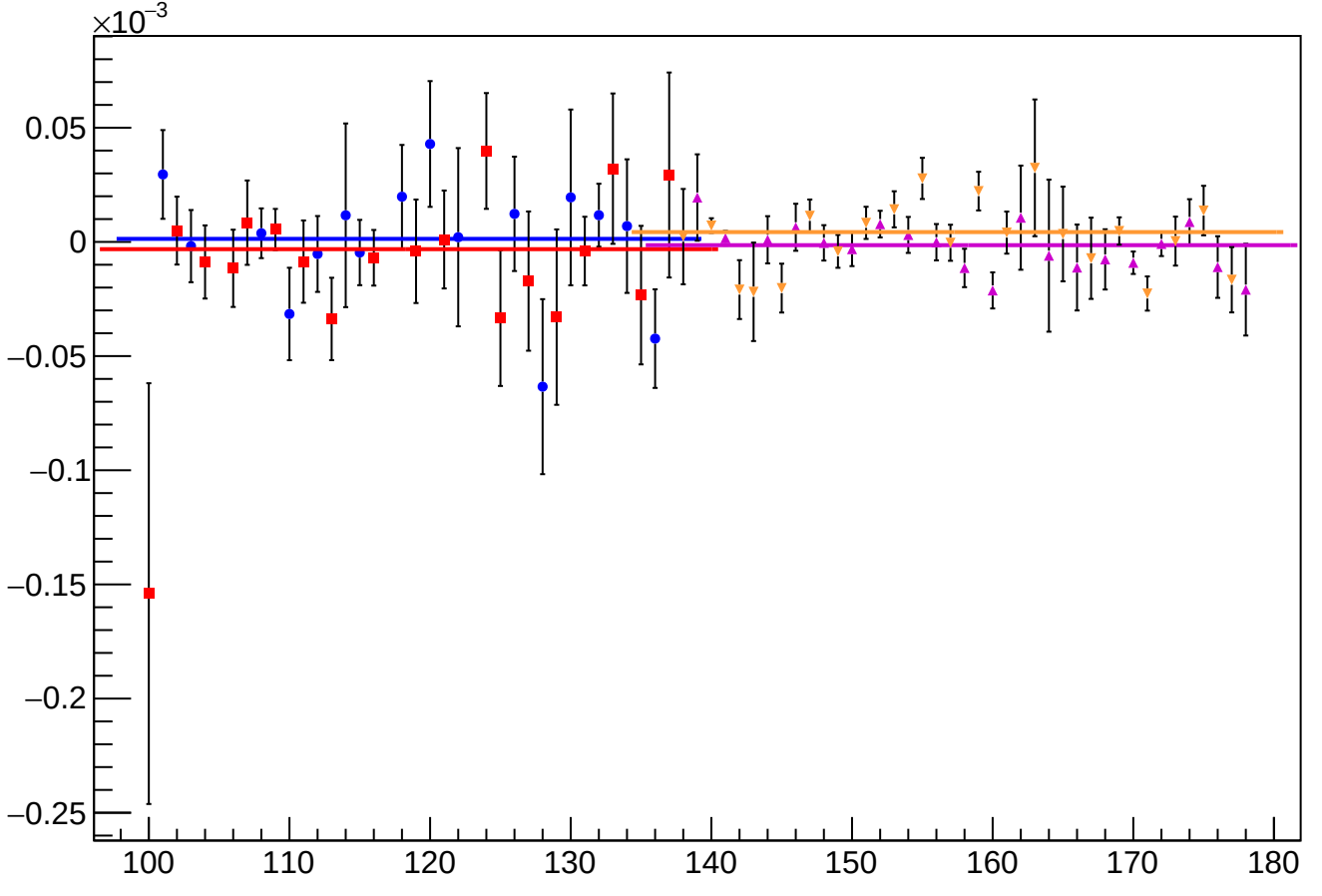
Left: 246.013+/-0.032 χ^2/NDF: 5427953.7/40

Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 207.854+/-0.033 χ^2/NDF:4743987.4/35

Out: 198.942+/-0.032 χ^2/NDF:7620035.9/39

All: 203.325+/-0.023 χ^2/NDF: 12401685.8/75



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:19.1/19

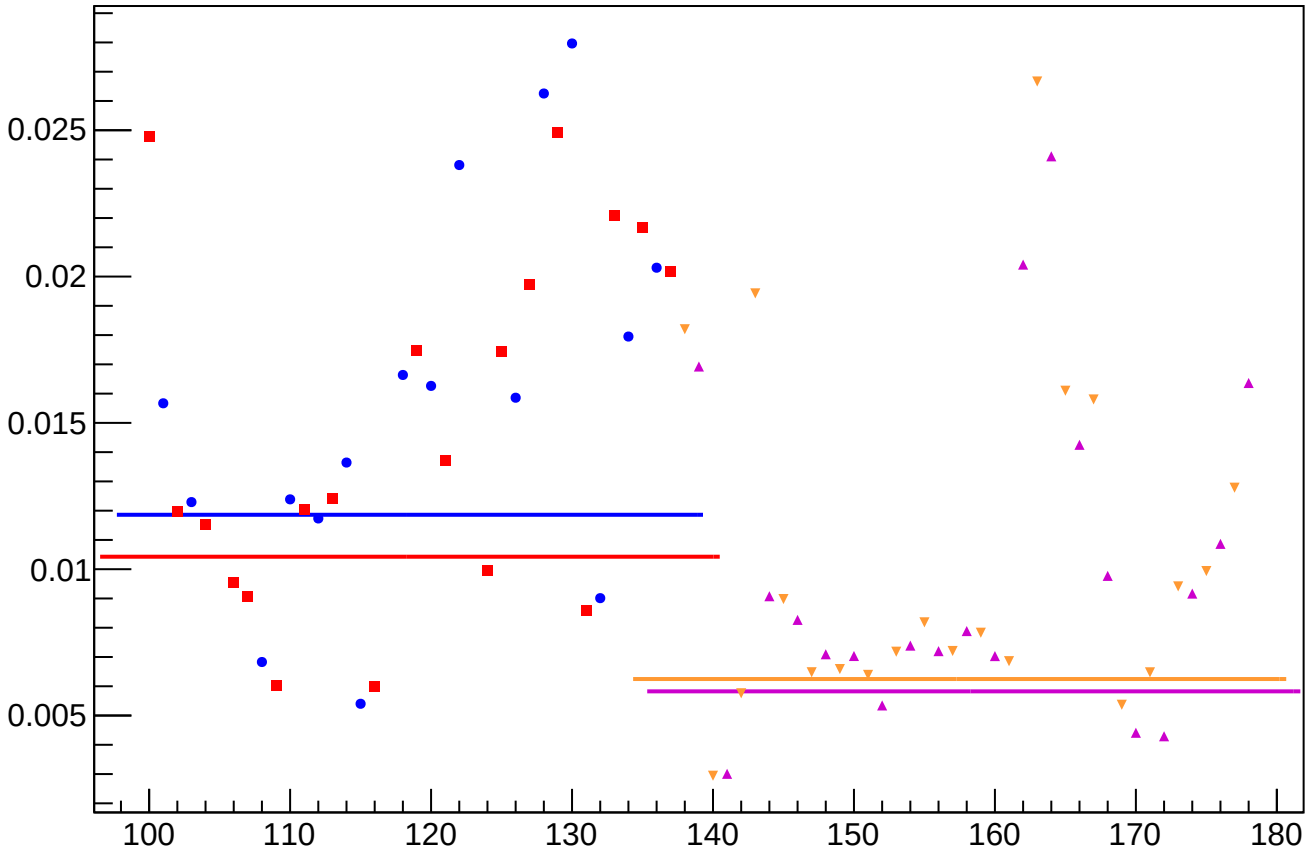
Left: 0.000+/-0.000 χ^2/NDF: 69.1/40

Right: -0.000+/-0.000 χ^2/NDF: 31.2/34

In: -0.000+/-0.000 χ^2/NDF:35.5/35

Out: 0.000+/-0.000 χ^2/NDF:61.8/39

All: 0.000+/-0.000 χ^2/NDF: 100.9/75



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:6355826.1/19

Left: 0.006+/-0.000 χ^2/NDF: 13130839.7/40

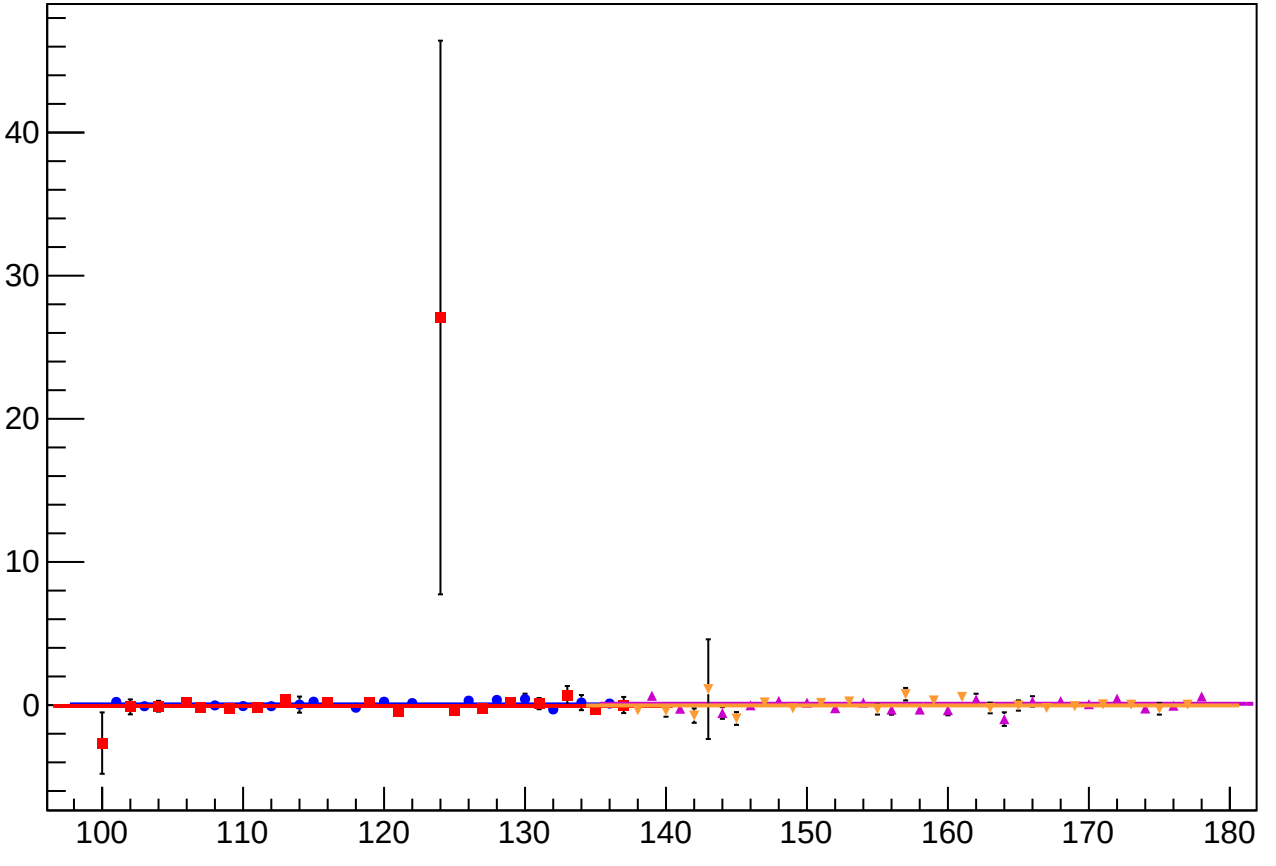
Right: 0.011+/-0.000 χ^2/NDF: 4860752.3/34

In: 0.006+/-0.000 χ^2/NDF:11500222.5/35

Out: 0.007+/-0.000 χ^2/NDF:10727426.5/39

All: 0.007+/-0.000 χ^2/NDF: 22287690.1/75

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.023+/-0.064 χ^2/NDF:19.9/20

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.092+/-0.065 χ^2/NDF:30.1/19

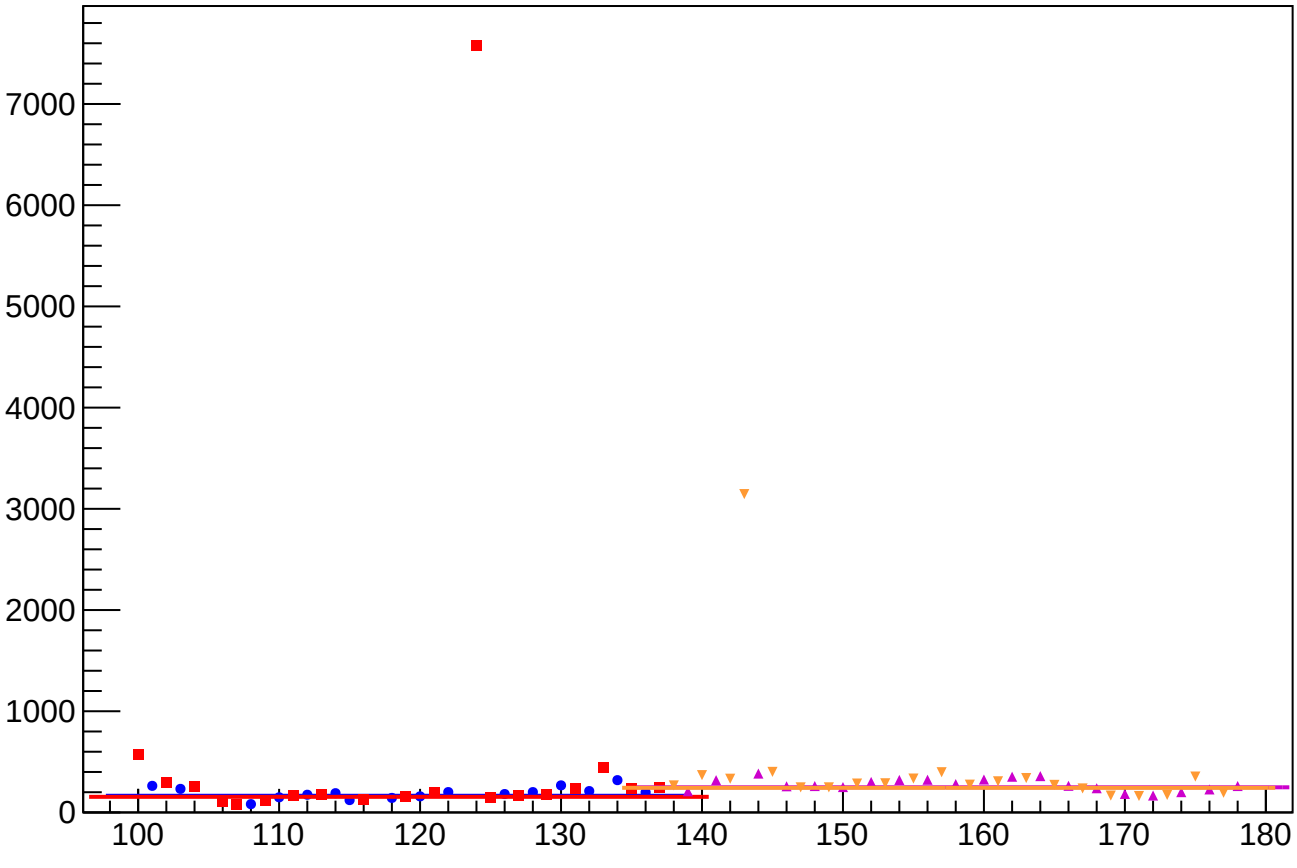
Left: 0.034+/-0.046 χ^2/NDF: 51.6/40

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.071+/-0.046 χ^2/NDF:38.0/35

Out: -0.042+/-0.046 χ^2/NDF:38.5/39

All: 0.013+/-0.032 χ^2/NDF: 79.5/75



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: 248.514+/-0.046 χ^2/NDF:1638297.3/19

Left: 246.015+/-0.032 χ^2/NDF: 5428105.6/40

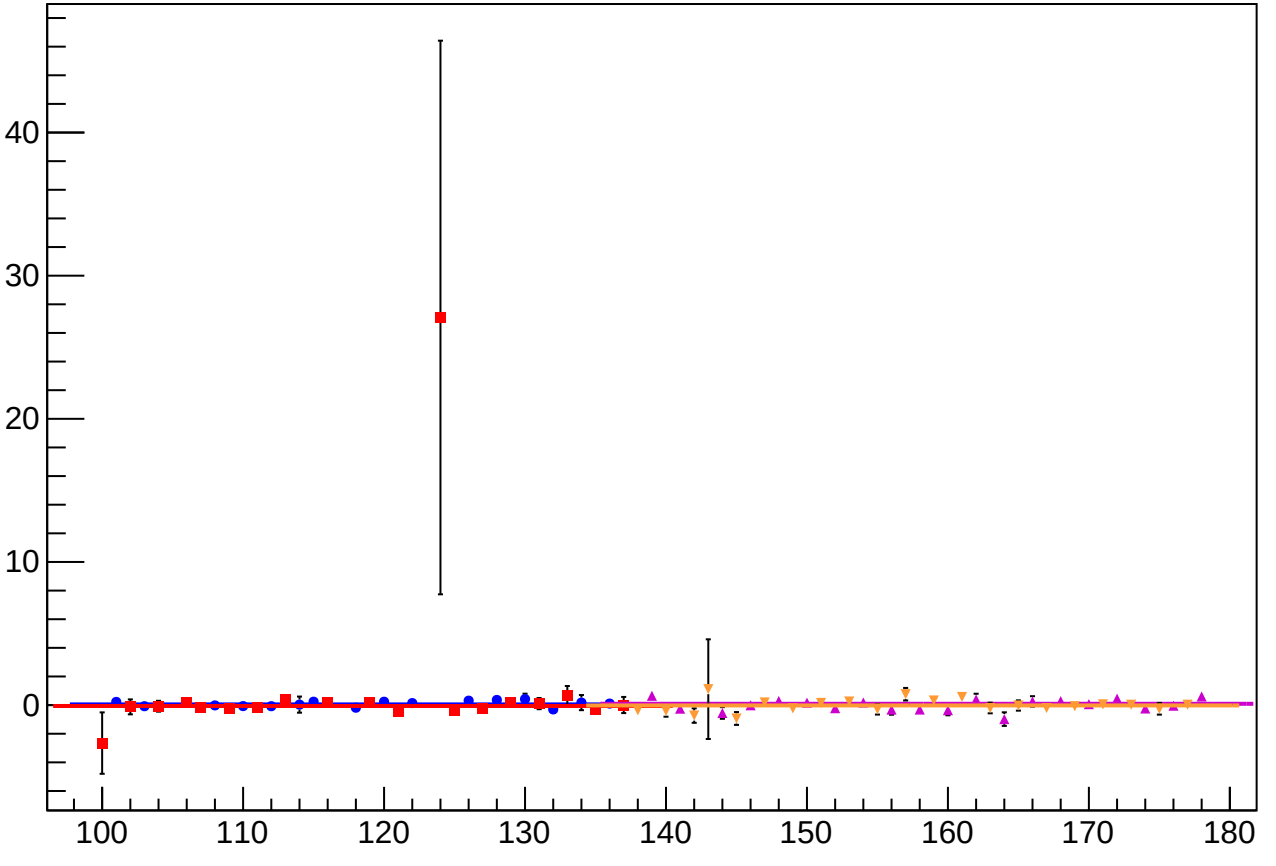
Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 207.855+/-0.033 χ^2/NDF:4744096.4/35

Out: 198.942+/-0.032 χ^2/NDF:7620227.0/39

All: 203.326+/-0.023 χ^2/NDF: 12401988.3/75

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: 0.092+/-0.065 χ^2/NDF:30.1/19

Left: 0.034+/-0.046 χ^2/NDF: 51.6/40

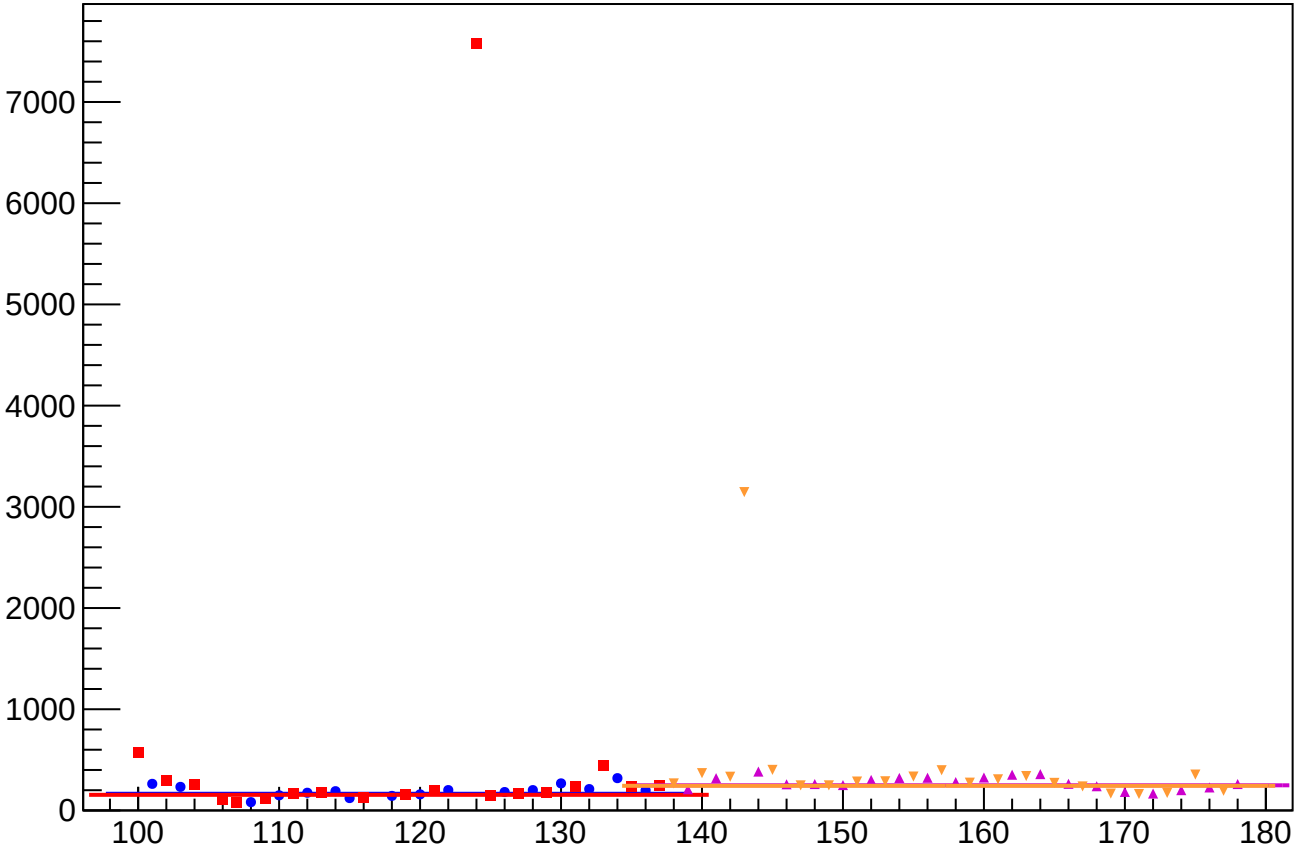
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.071+/-0.046 χ^2/NDF:38.0/35

Out: -0.042+/-0.046 χ^2/NDF:38.5/39

All: 0.013+/-0.032 χ^2/NDF: 79.5/75

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: 248.514+/-0.046 χ^2/NDF:1638297.3/19

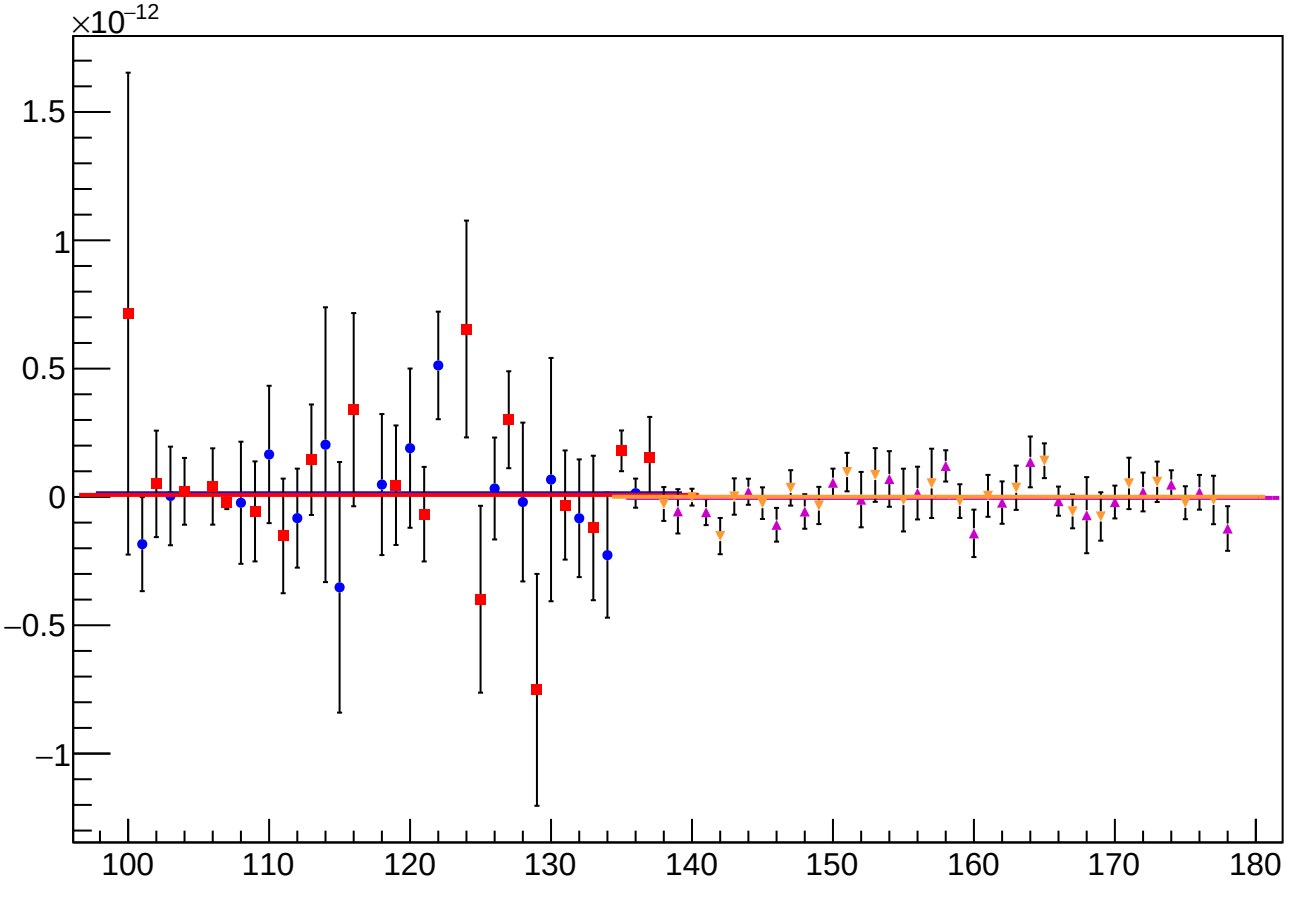
Left: 246.015+/-0.032 χ^2/NDF: 5428105.6/40

Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 207.855+/-0.033 χ^2/NDF:4744096.4/35

Out: 198.942+/-0.032 χ^2/NDF:7620227.0/39

All: 203.326+/-0.023 χ^2/NDF: 12401988.3/75



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:18.4/19

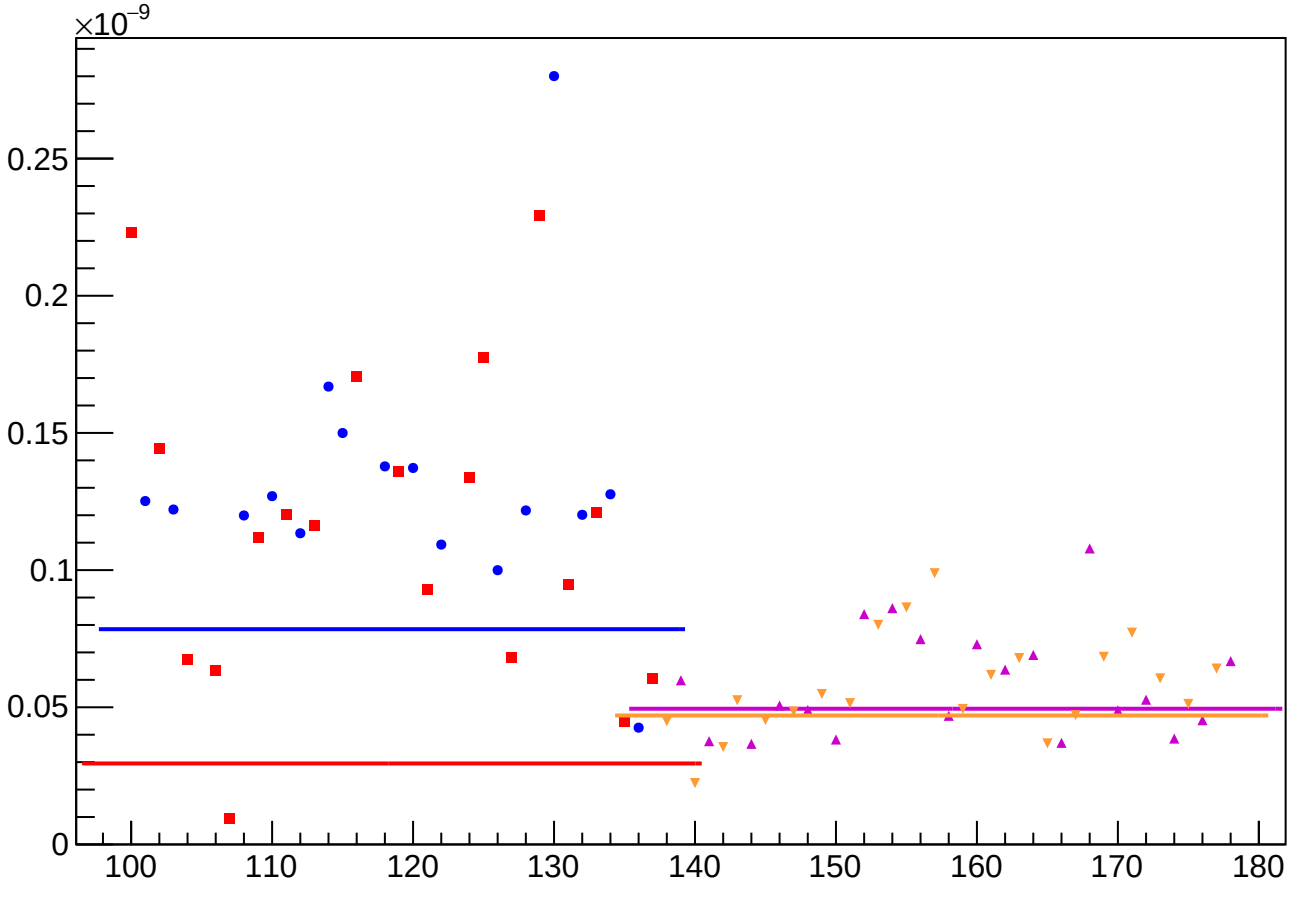
Left: -0.000+/-0.000 χ^2/NDF: 33.3/40

Right: 0.000+/-0.000 χ^2/NDF: 28.0/34

In: -0.000+/-0.000 χ^2/NDF:28.2/35

Out: 0.000+/-0.000 χ^2/NDF:33.3/39

All: 0.000+/-0.000 χ^2/NDF: 61.5/75



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:1750547.6/19

Left: 0.000+/-0.000 χ^2/NDF: 4354147.4/40

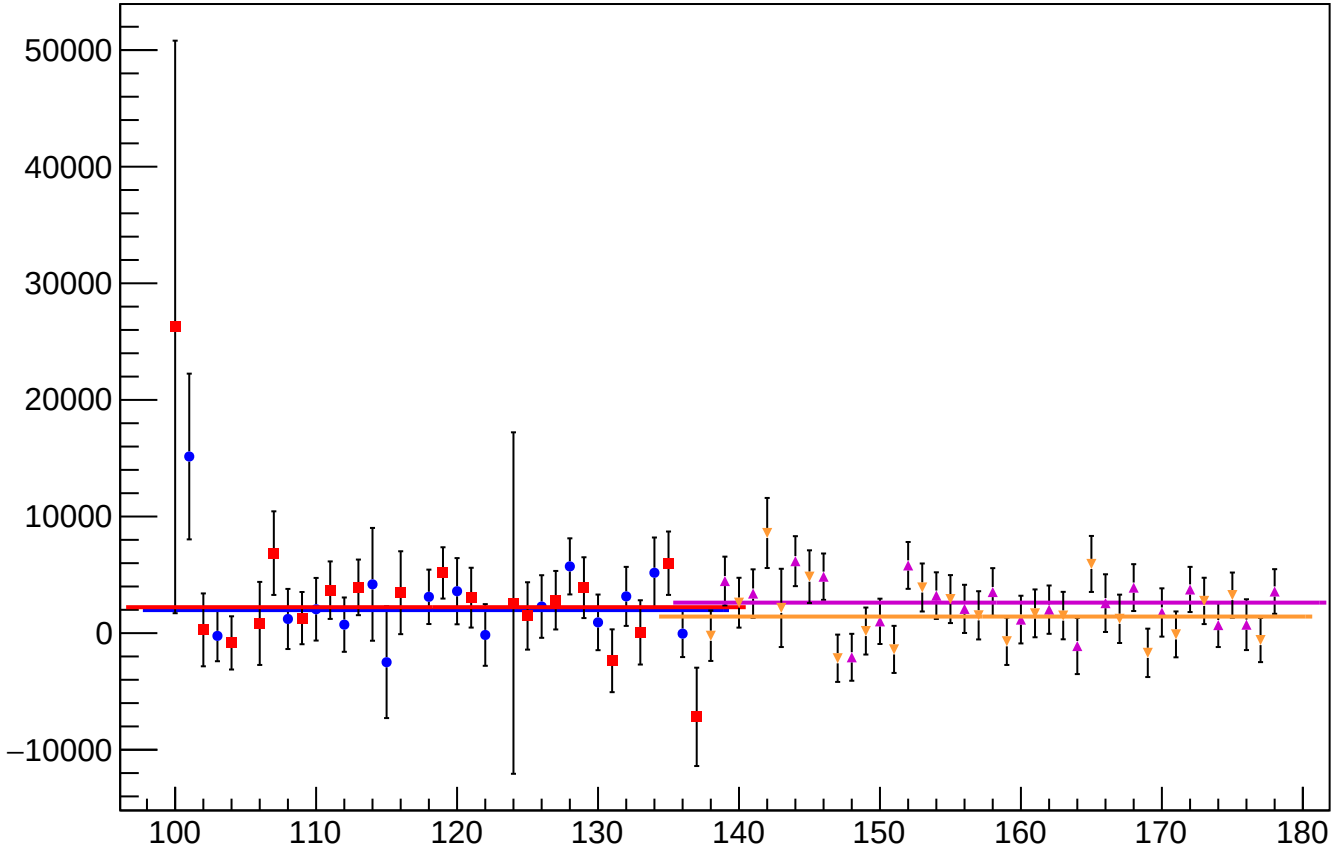
Right: 0.000+/-0.000 χ^2/NDF: 9651358.8/34

In: 0.000+/-0.000 χ^2/NDF:4675667.6/35

Out: 0.000+/-0.000 χ^2/NDF:8872645.8/39

All: 0.000+/-0.000 χ^2/NDF: 14225058.2/75

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: 2615.796+/-459.559 χ^2/NDF:19.9/19

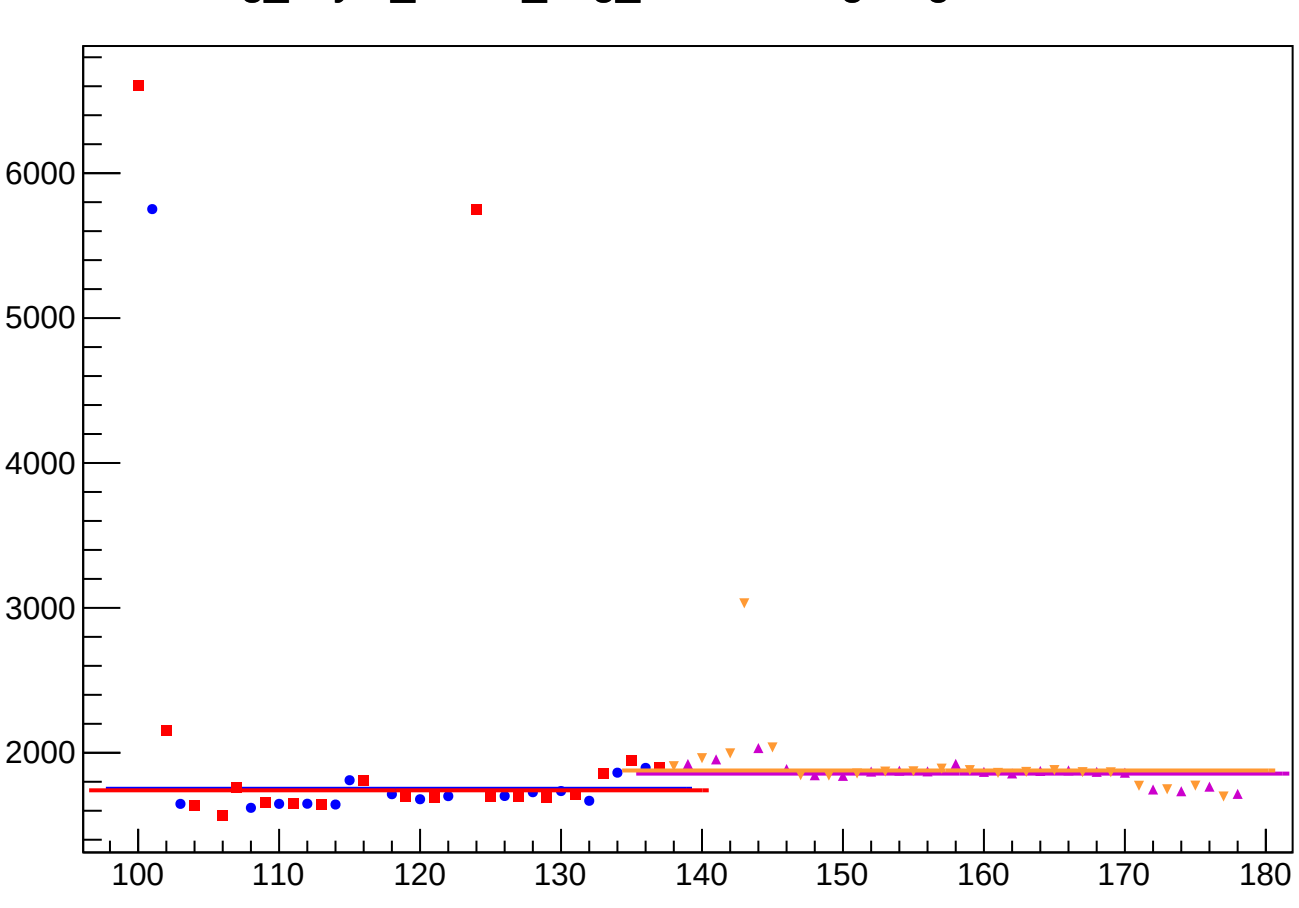
Left: 2021.608+/-325.762 χ^2/NDF: 49.6/40

Right: 2103.390+/-468.051 χ^2/NDF: 31.2/34

In: 2410.237+/-378.561 χ^2/NDF:32.6/35

Out: 1688.011+/-377.695 χ^2/NDF:46.3/39

All: 2048.296+/-267.376 χ^2/NDF: 80.8/75



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: 1856.337+/-0.325 χ^2/NDF:52560.0/19

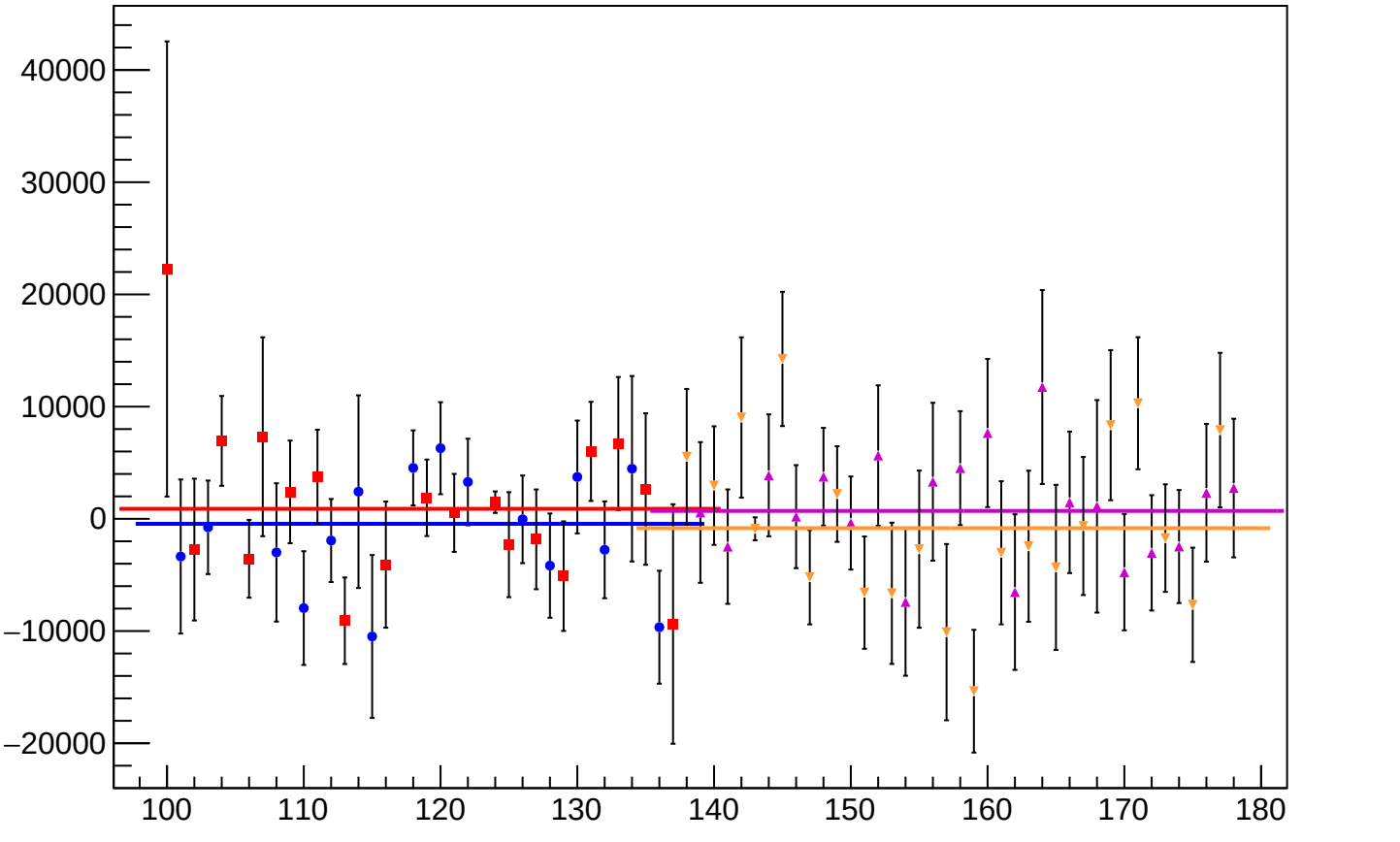
Left: 1867.065+/-0.230 χ^2/NDF: 347612.1/40

Right: 1746.199+/-0.330 χ^2/NDF: 975562.4/34

In: 1822.673+/-0.268 χ^2/NDF:756599.5/35

Out: 1832.127+/-0.266 χ^2/NDF:656250.8/39

All: 1827.422+/-0.189 χ^2/NDF: 1413477.0/75



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: 706.742+/-1265.372 χ^2/NDF:10.2/19

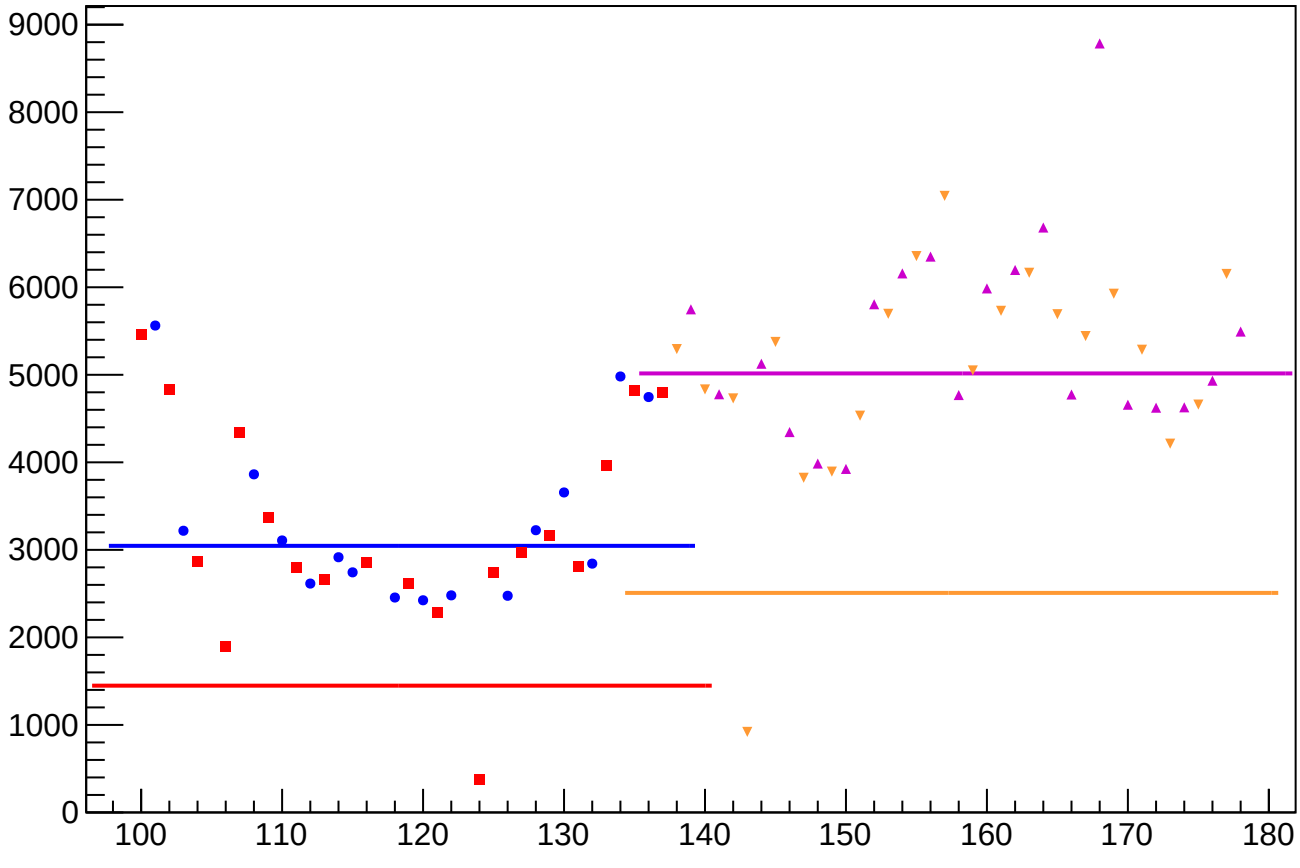
Left: -391.715+/-676.561 χ^2/NDF: 42.7/40

Right: 522.917+/-617.375 χ^2/NDF: 36.9/34

In: 88.400+/-860.811 χ^2/NDF:26.6/35

Out: 114.744+/-537.700 χ^2/NDF:54.1/39

All: 107.350+/-456.042 χ^2/NDF: 80.7/75



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: 5015.612+/-0.895 χ^2/NDF:1035388.3/19

Left: 3225.056+/-0.478 χ^2/NDF: 19952028.3/40

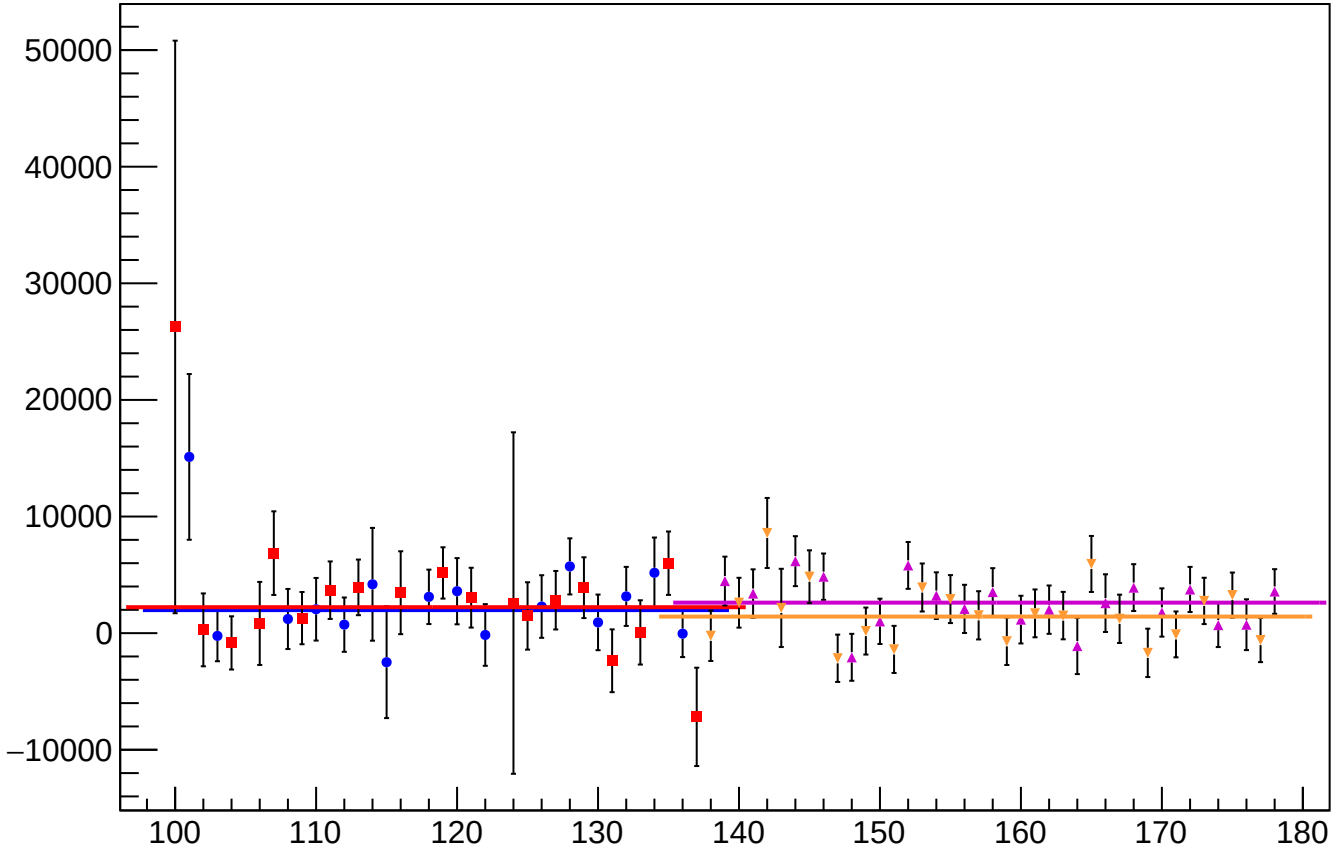
Right: 1889.931+/-0.437 χ^2/NDF: 10371803.4/34

In: 3957.463+/-0.609 χ^2/NDF:4546166.6/35

Out: 1926.533+/-0.380 χ^2/NDF:22019306.1/39

All: 2496.550+/-0.322 χ^2/NDF: 34573650.7/7

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: 2615.835+/-459.559 χ^2/NDF:19.9/19

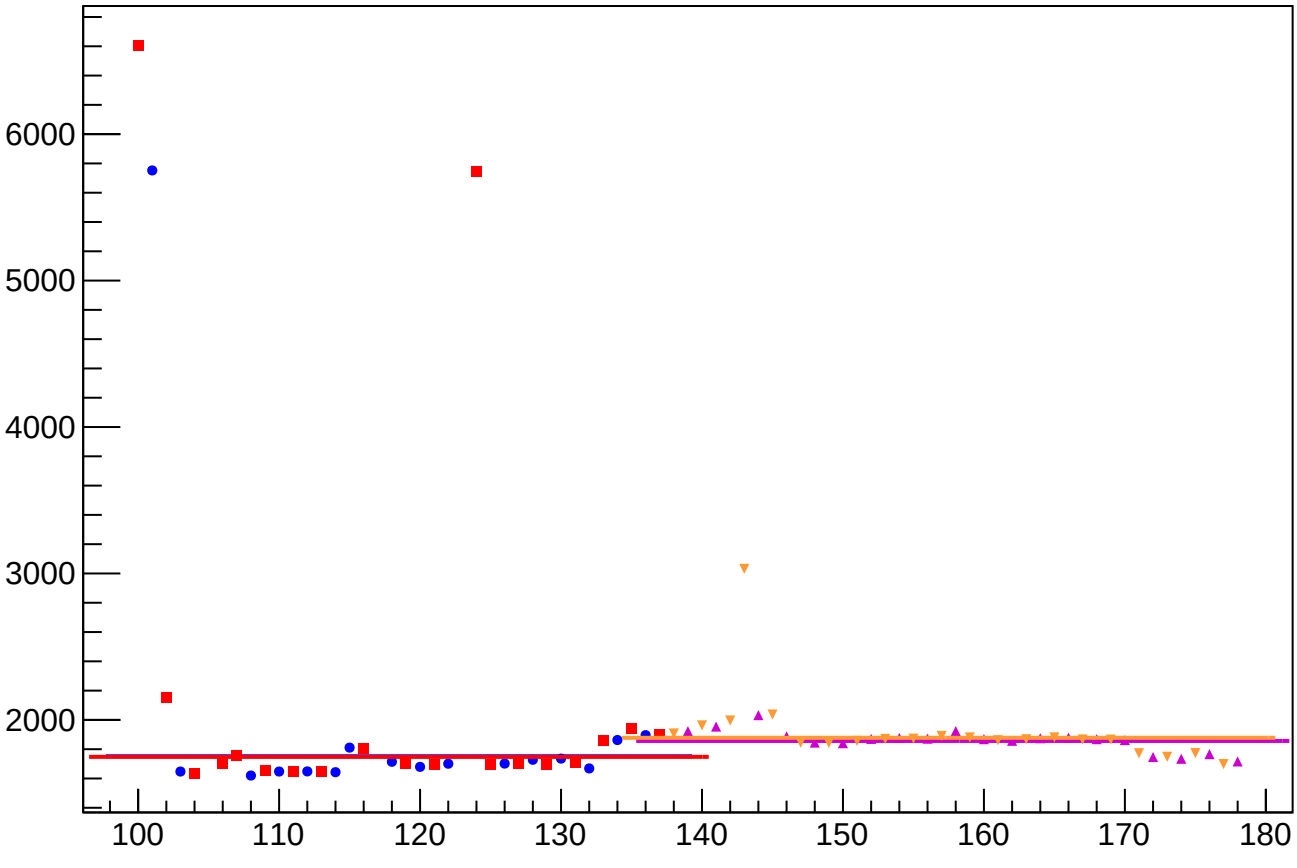
Left: 2021.619+/-325.762 χ^2/NDF: 49.6/40

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2410.150+/-378.561 χ^2/NDF:32.6/35

Out: 1688.031+/-377.695 χ^2/NDF:46.3/39

All: 2048.263+/-267.376 χ^2/NDF: 80.7/75



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: 1856.337+/-0.325 χ^2/NDF:52560.0/19

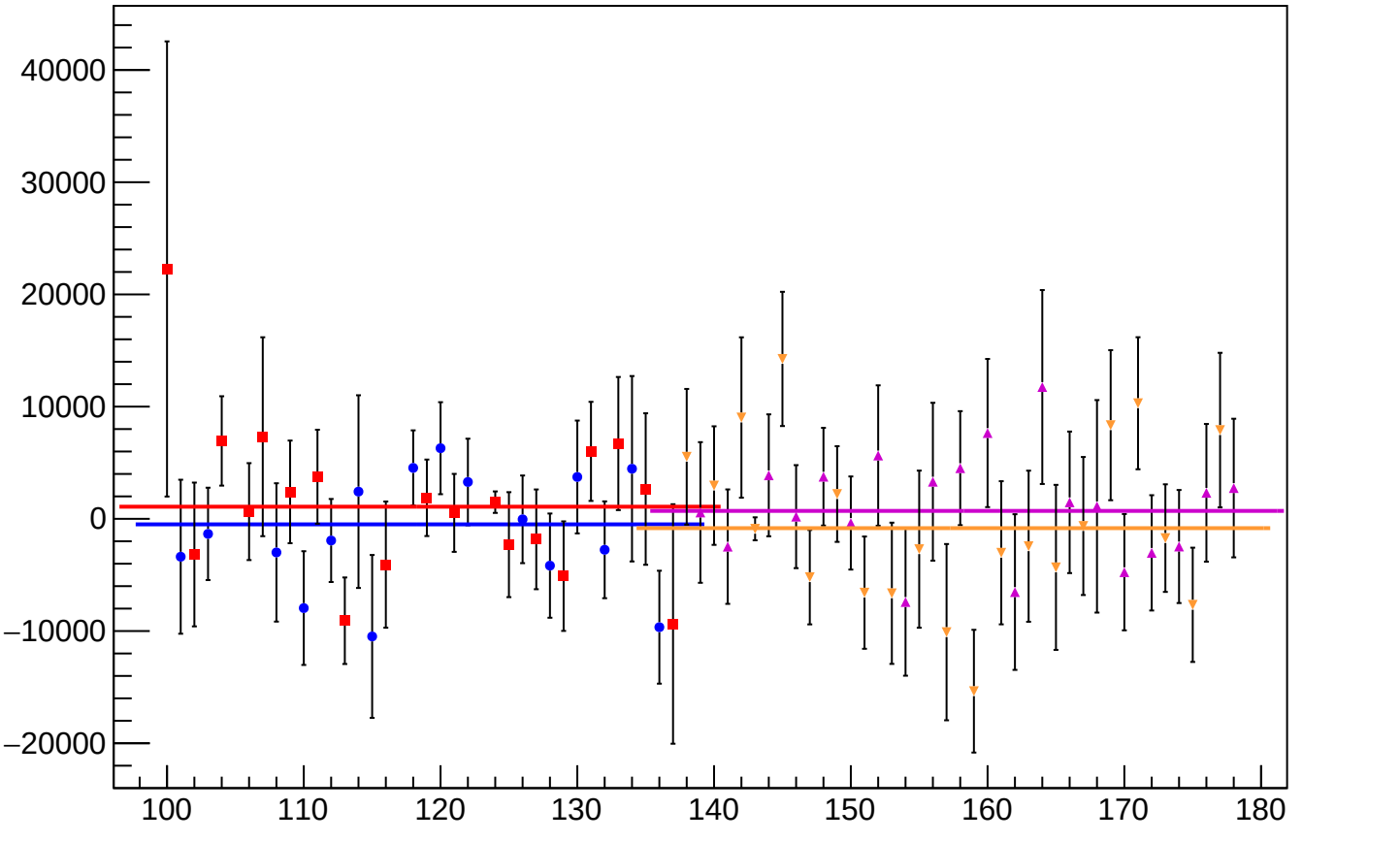
Left: 1867.065+/-0.230 χ^2/NDF: 347612.1/40

Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1822.673+/-0.268 χ^2/NDF:756600.0/35

Out: 1834.589+/-0.267 χ^2/NDF:643618.8/39

All: 1828.652+/-0.189 χ^2/NDF: 1401213.2/75



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: 706.829+/-1265.372 χ^2/NDF:10.2/19

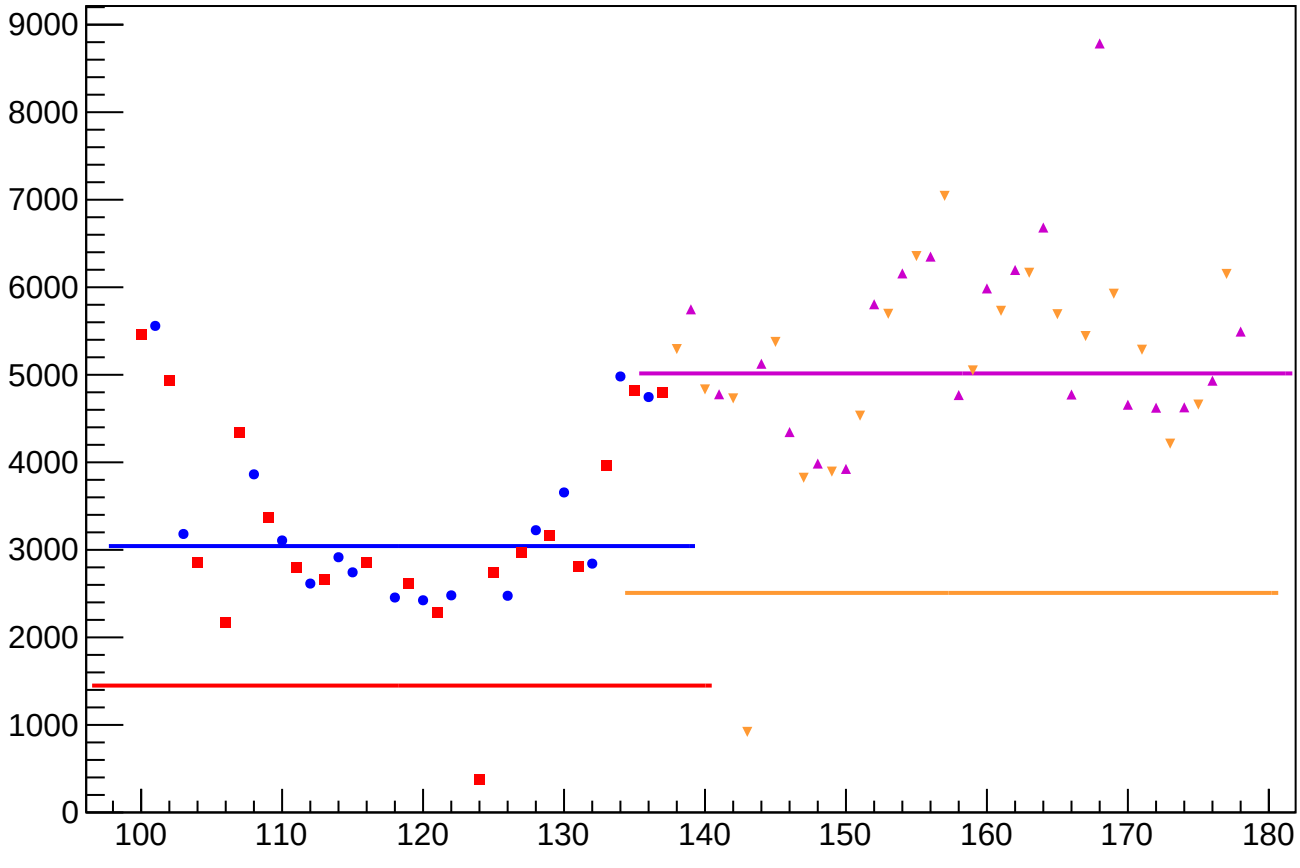
Left: -391.599+/-676.549 χ^2/NDF: 42.7/40

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: 61.694+/-860.335 χ^2/NDF:26.7/35

Out: 210.924+/-540.008 χ^2/NDF:53.0/39

All: 168.748+/-457.376 χ^2/NDF: 79.7/75



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: 5015.613+/-0.895 χ^2/NDF:1035387.6/19

Left: 3224.957+/-0.478 χ^2/NDF: 19953194.0/40

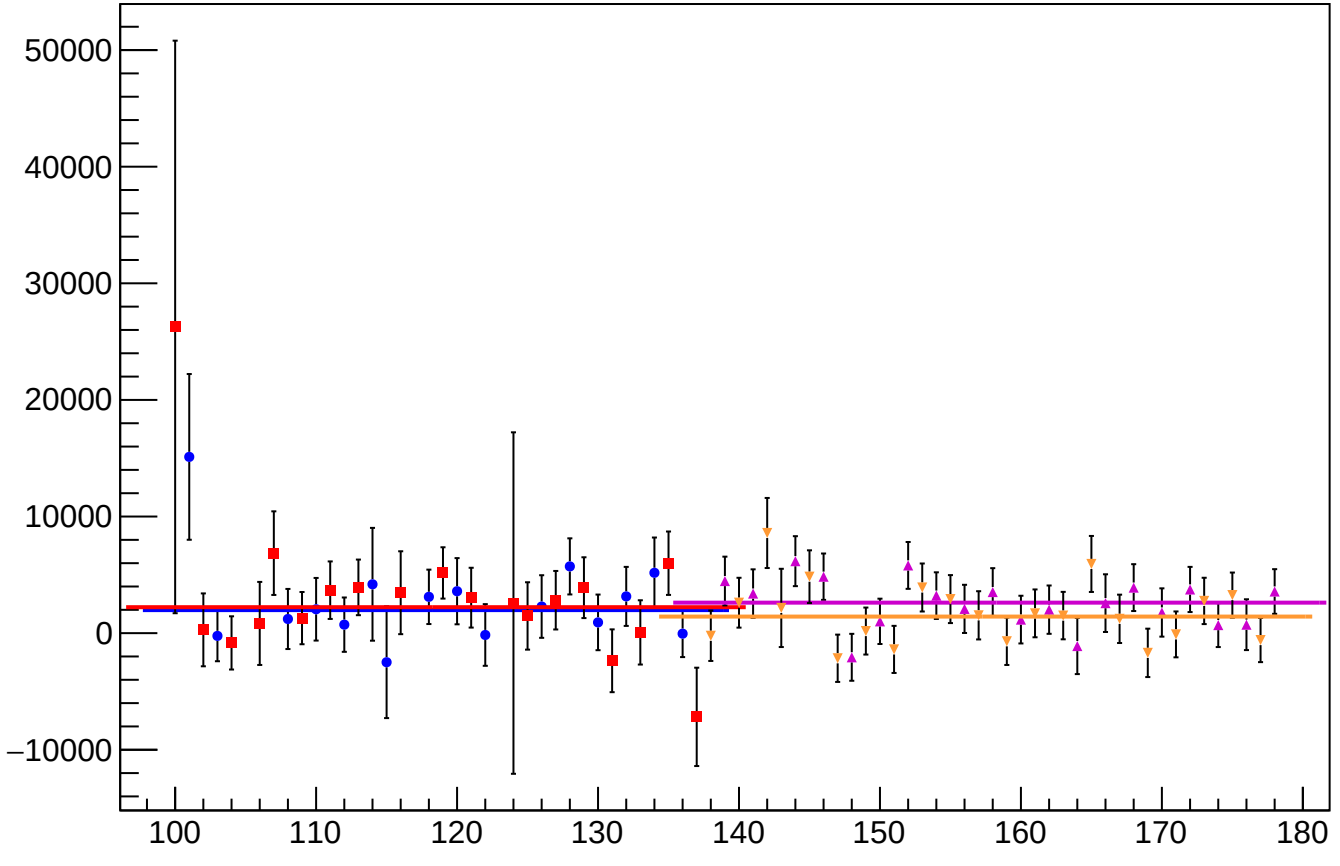
Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3955.031+/-0.608 χ^2/NDF:4553931.9/35

Out: 1931.166+/-0.382 χ^2/NDF:22041176.6/39

All: 2503.162+/-0.323 χ^2/NDF: 34534807.8/7

eigen_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: 2615.835+/-459.559 χ^2/NDF:19.9/19

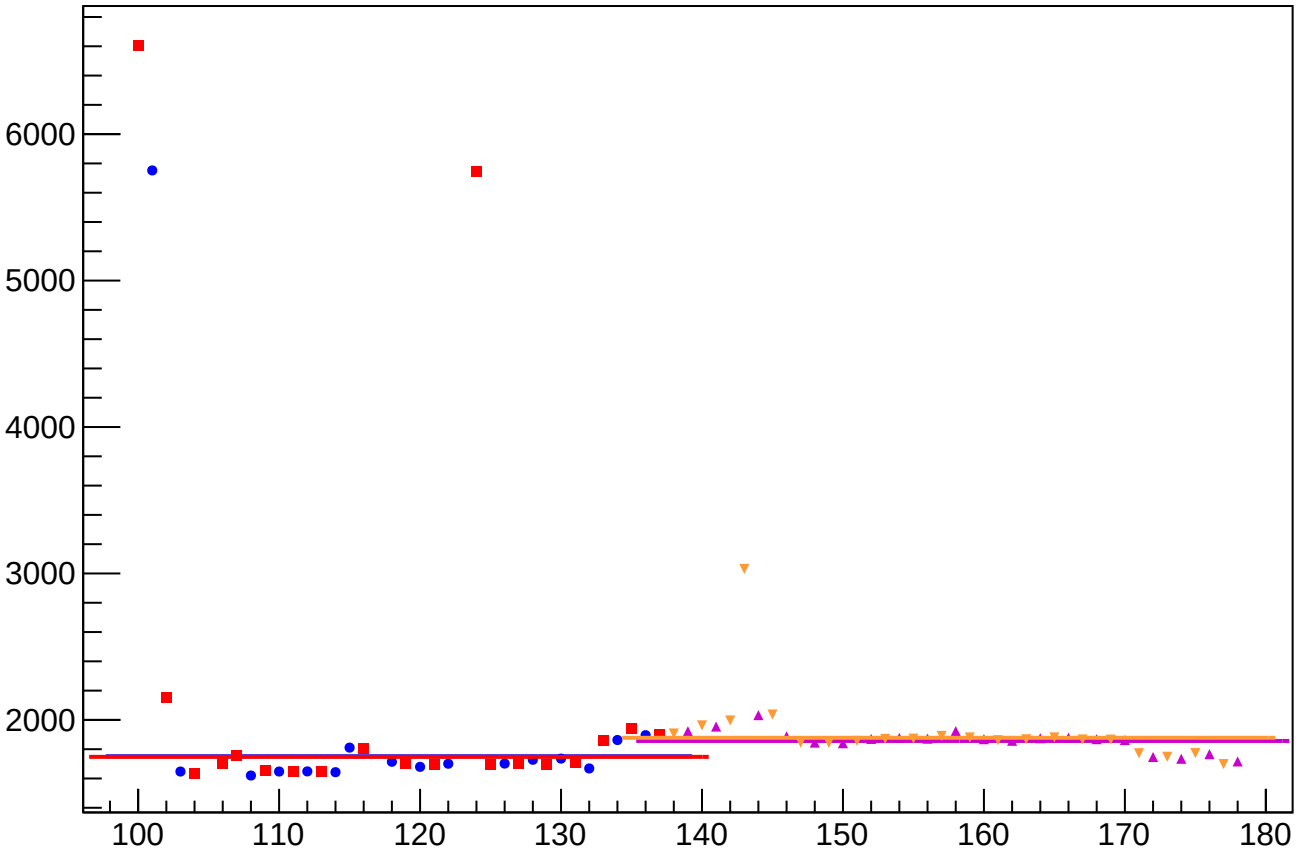
Left: 2021.619+/-325.762 χ^2/NDF: 49.6/40

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2410.150+/-378.561 χ^2/NDF:32.6/35

Out: 1688.031+/-377.695 χ^2/NDF:46.3/39

All: 2048.263+/-267.376 χ^2/NDF: 80.7/75



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: 1856.337+/-0.325 χ^2/NDF:52560.0/19

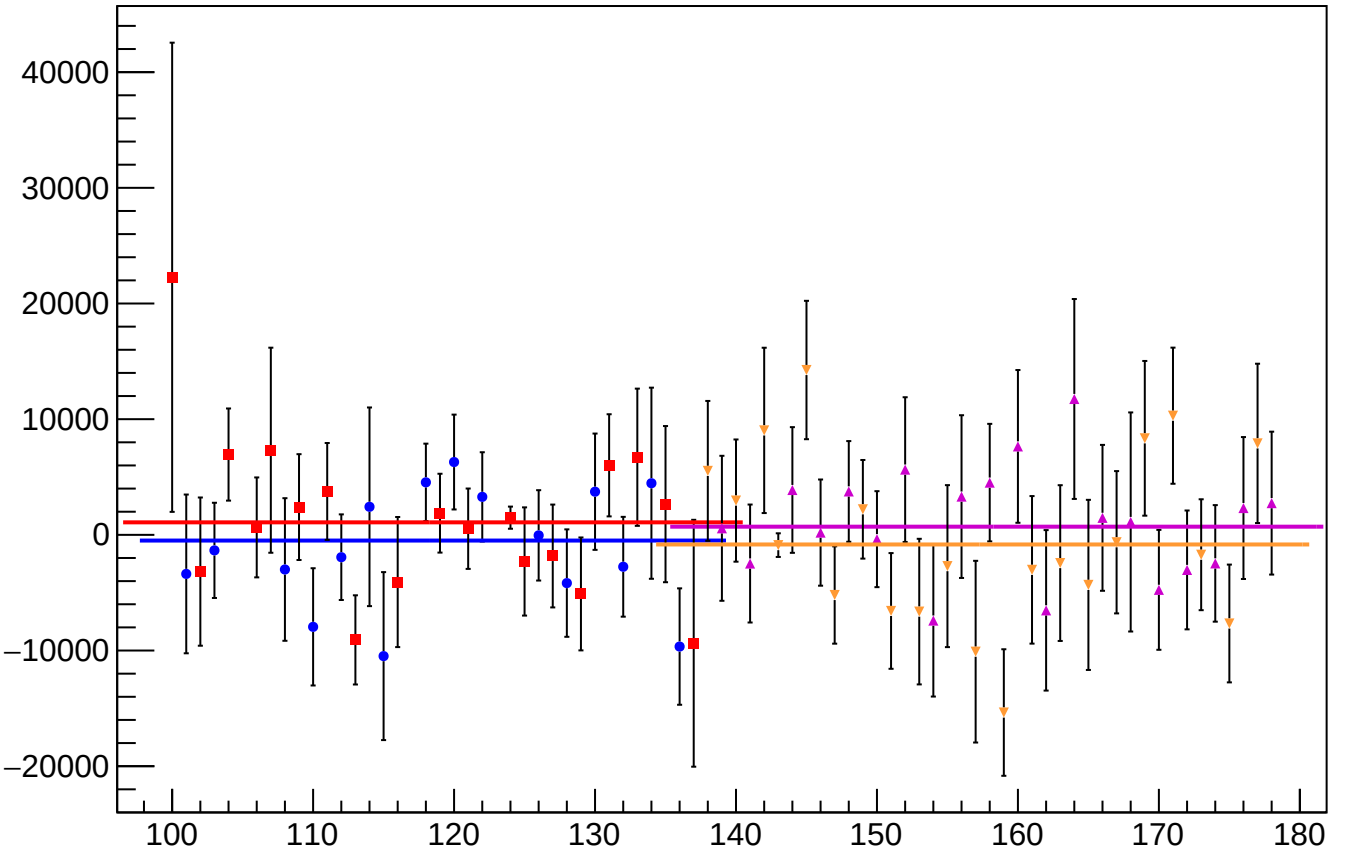
Left: 1867.065+/-0.230 χ^2/NDF: 347612.1/40

Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1822.673+/-0.268 χ^2/NDF:756600.0/35

Out: 1834.589+/-0.267 χ^2/NDF:643618.8/39

All: 1828.652+/-0.189 χ^2/NDF: 1401213.2/75



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: 706.829+/-1265.372 χ^2/NDF:10.2/19

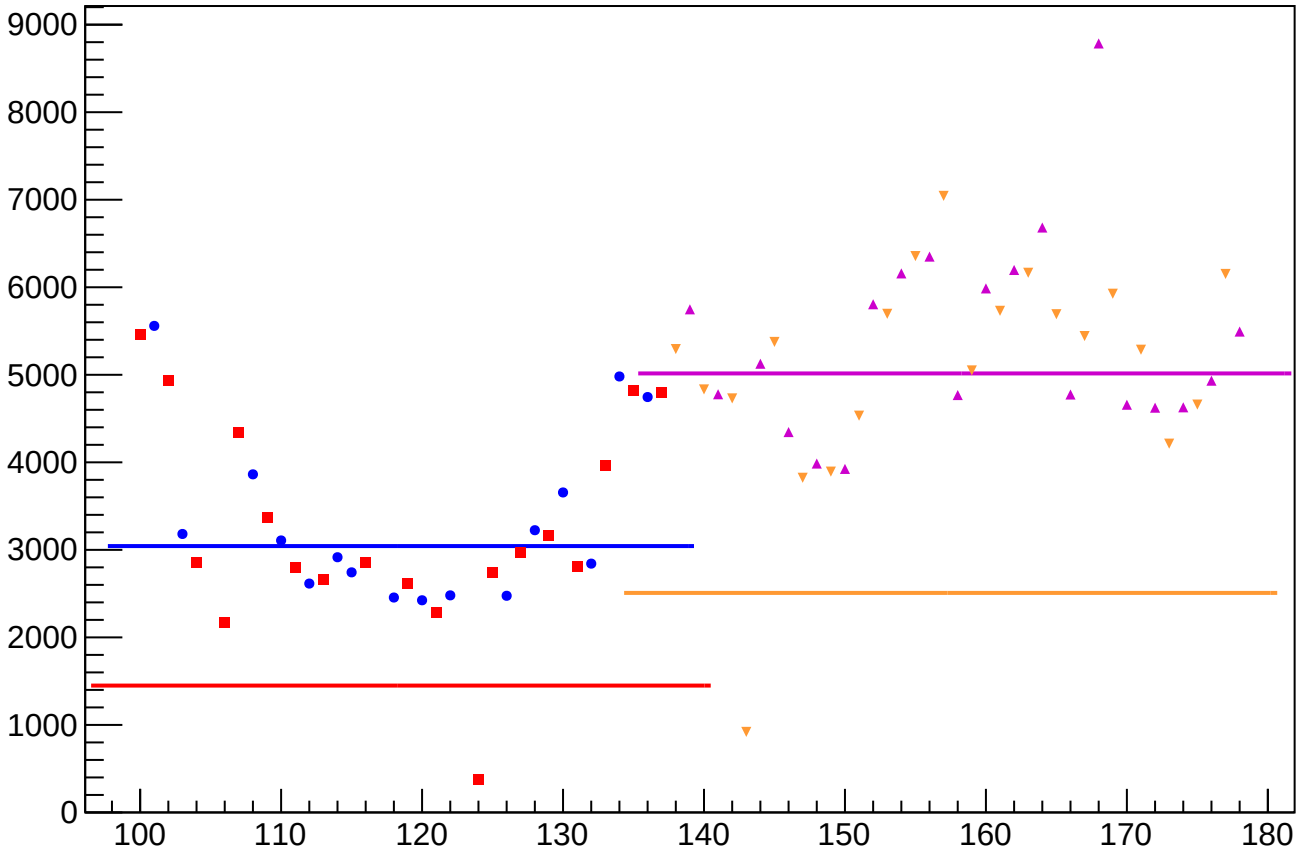
Left: -391.599+/-676.549 χ^2/NDF: 42.7/40

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: 61.694+/-860.335 χ^2/NDF:26.7/35

Out: 210.924+/-540.008 χ^2/NDF:53.0/39

All: 168.748+/-457.376 χ^2/NDF: 79.7/75



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: 5015.613+/-0.895 χ^2/NDF:1035387.6/19

Left: 3224.957+/-0.478 χ^2/NDF: 19953194.0/40

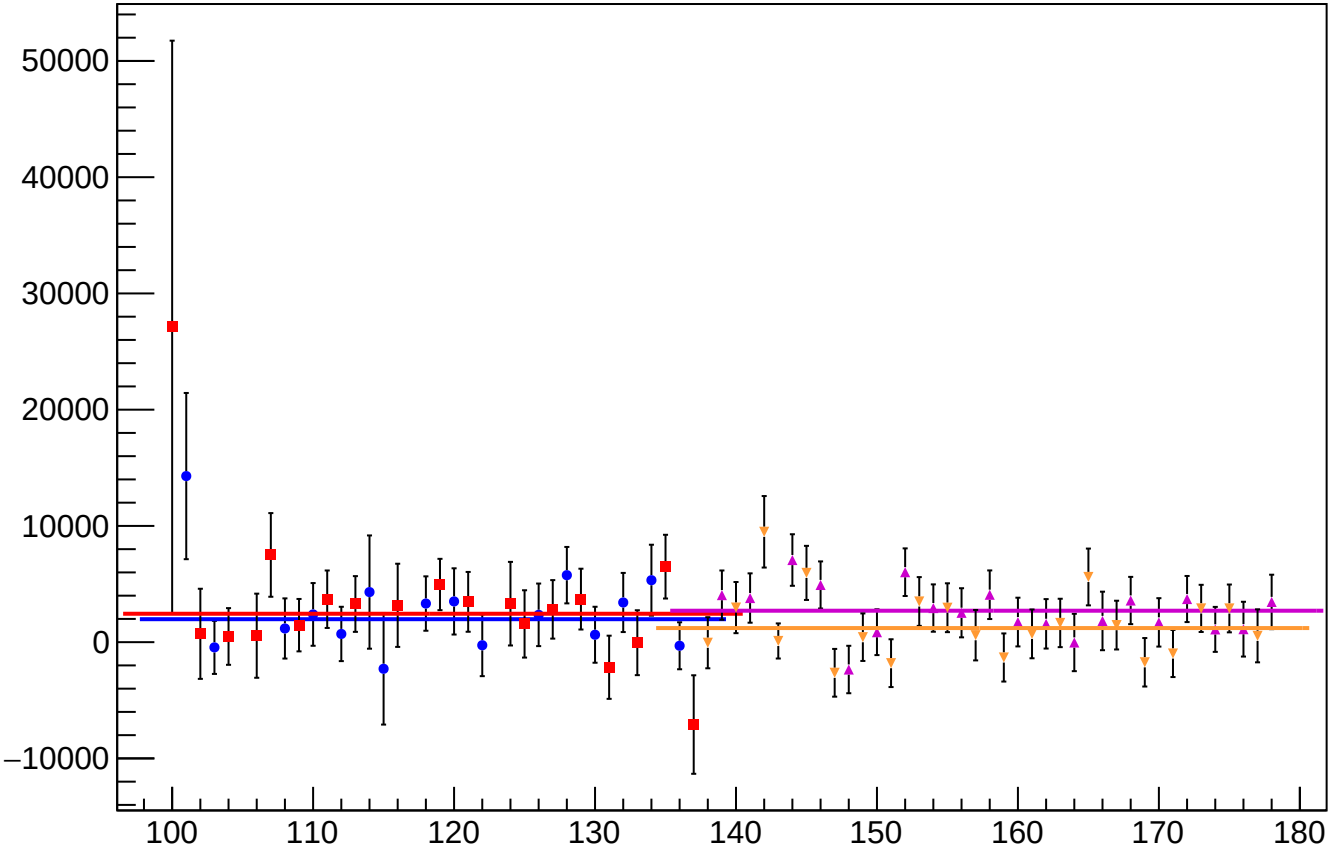
Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3955.031+/-0.608 χ^2/NDF:4553931.9/35

Out: 1931.166+/-0.382 χ^2/NDF:22041176.6/39

All: 2503.162+/-0.323 χ^2/NDF: 34534807.8/7

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: 2705.014+/-474.086 χ^2/NDF:19.6/19

Left: 1934.365+/-329.643 χ^2/NDF: 54.9/40

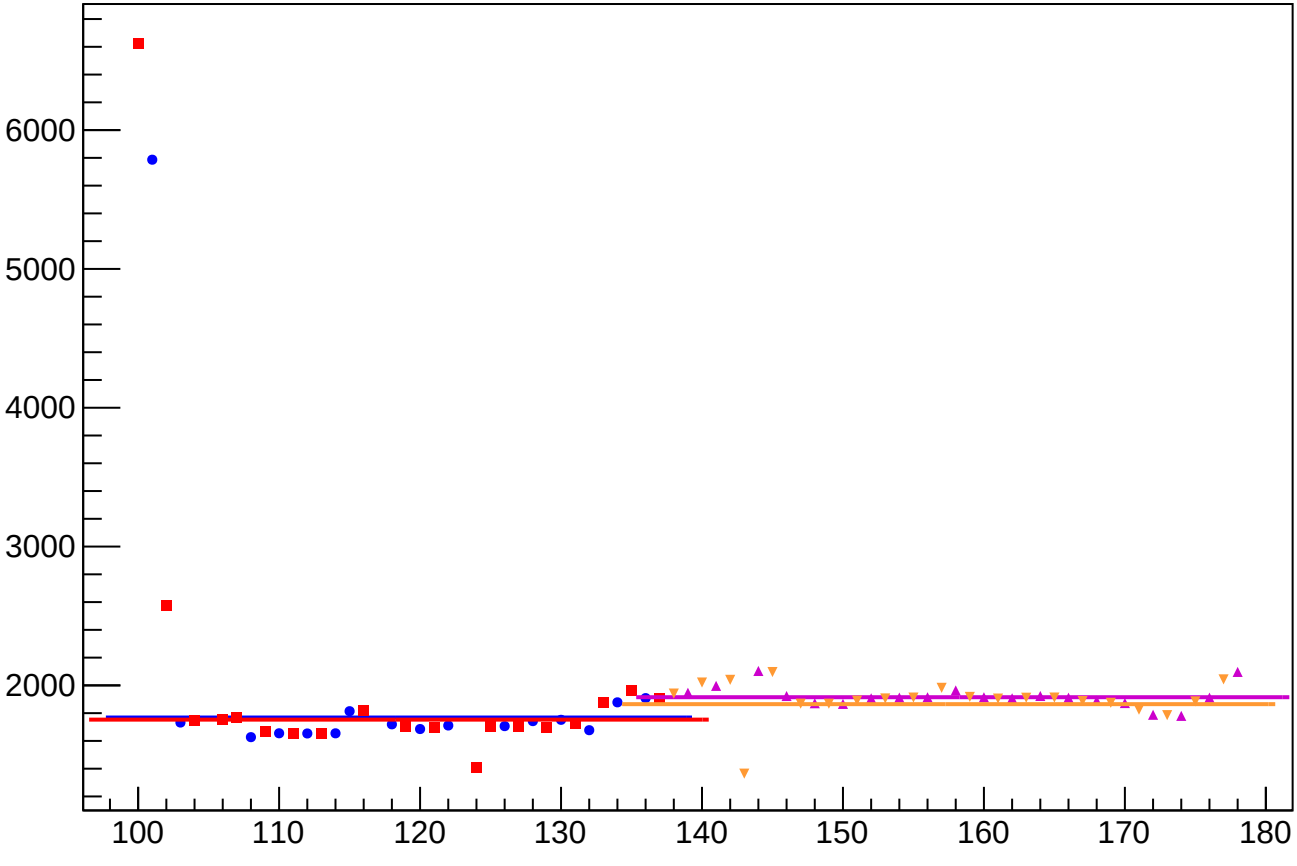
Right: 2215.770+/-470.744 χ^2/NDF: 30.1/34

In: 2463.690+/-387.784 χ^2/NDF:32.8/35

Out: 1615.891+/-376.213 χ^2/NDF:50.0/39

All: 2026.954+/-270.021 χ^2/NDF: 85.3/75

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: 1914.844+/-0.335 χ^2/NDF:52276.6/19

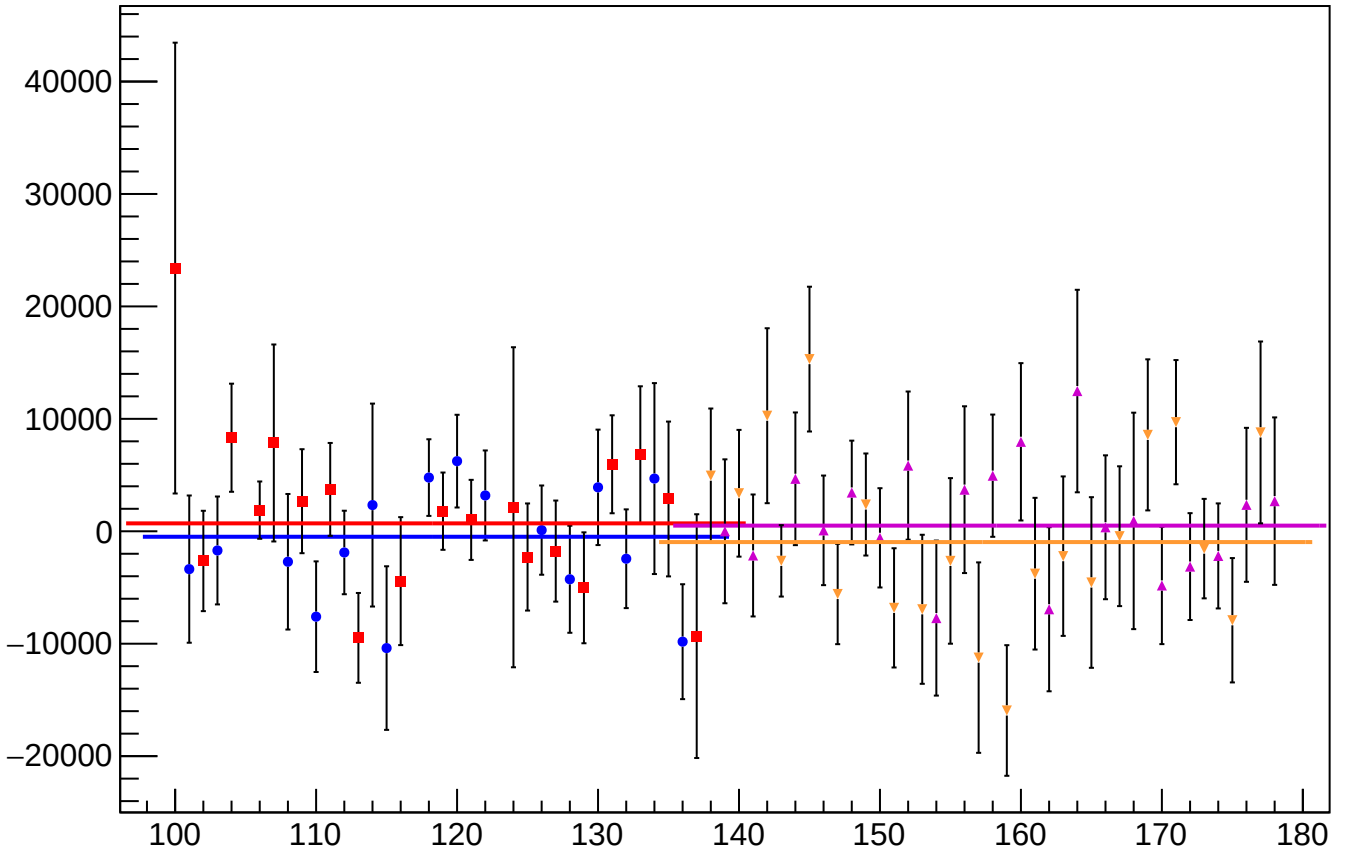
Left: 1888.999+/-0.233 χ^2/NDF: 350580.3/40

Right: 1760.725+/-0.332 χ^2/NDF: 886747.1/34

In: 1866.407+/-0.274 χ^2/NDF:782730.4/35

Out: 1828.216+/-0.266 χ^2/NDF:544419.9/39

All: 1846.717+/-0.191 χ^2/NDF: 1337151.4/75



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: 502.129+/-1317.001 χ^2/NDF:10.2/19

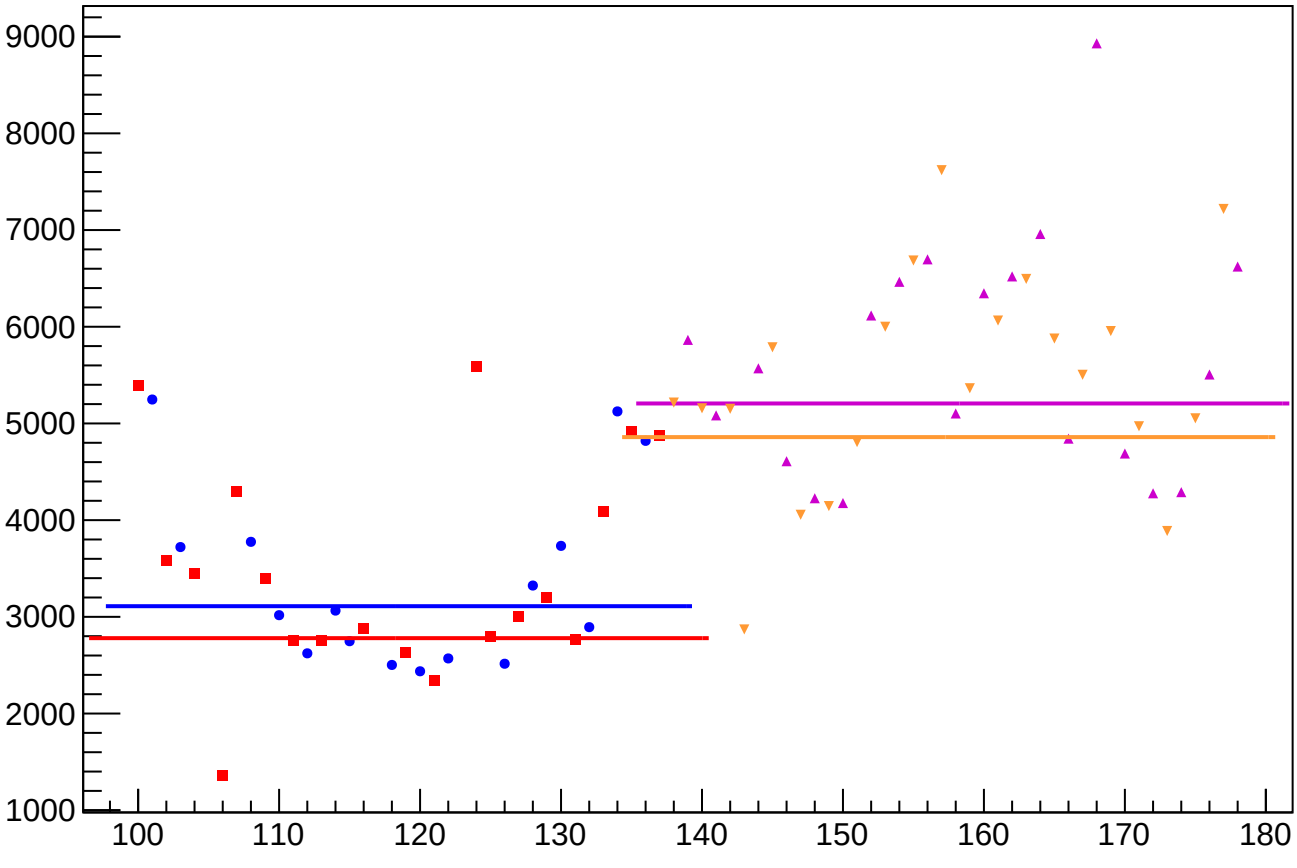
Left: -277.137+/-900.193 χ^2/NDF: 42.2/40

Right: 175.178+/-797.963 χ^2/NDF: 35.1/34

In: -39.530+/-886.409 χ^2/NDF:26.3/35

Out: -10.819+/-807.974 χ^2/NDF:51.3/39

All: -23.848+/-597.132 χ^2/NDF: 77.5/75



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: 5206.574+/-0.931 χ^2/NDF:1193858.2/19

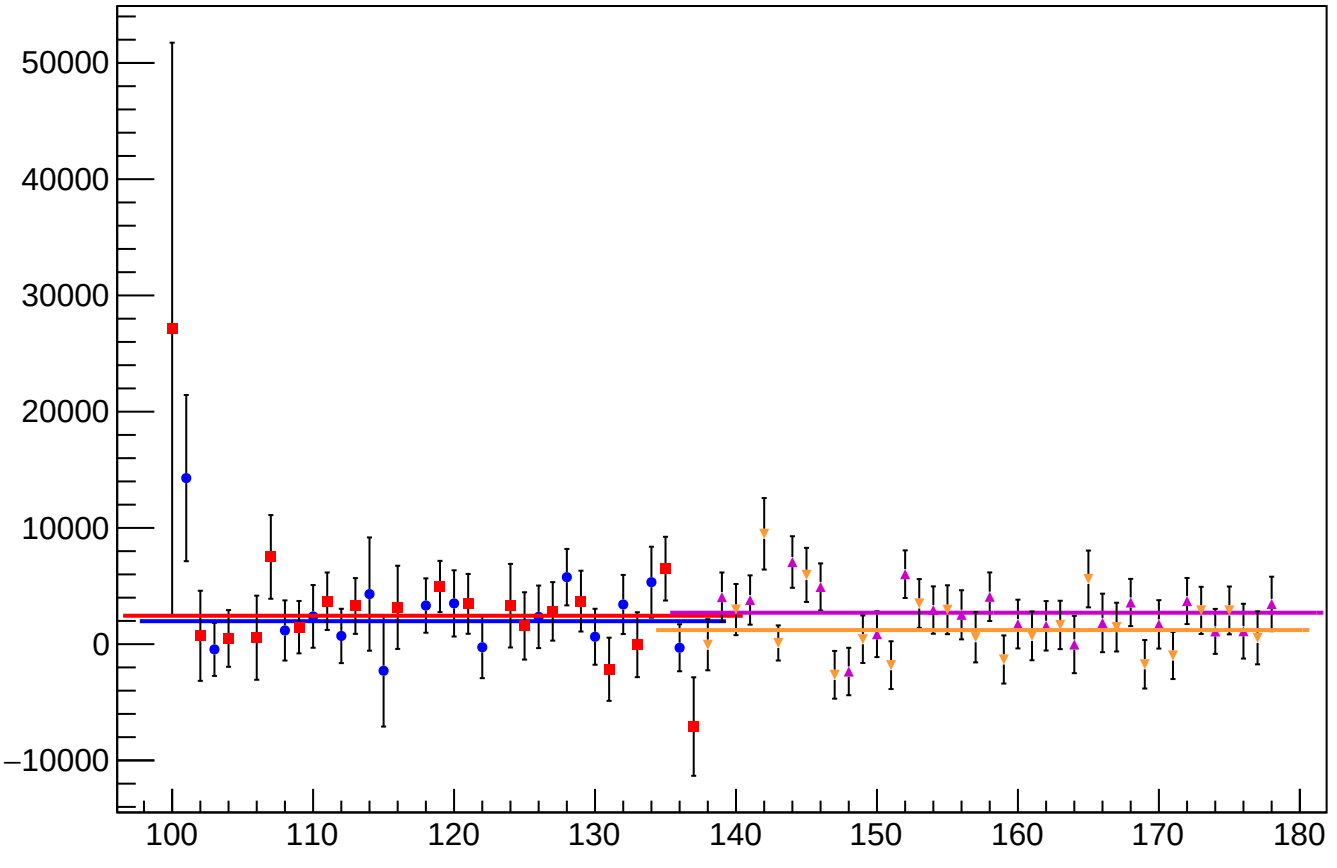
Left: 5021.217+/-0.637 χ^2/NDF: 3184983.1/40

Right: 2926.138+/-0.564 χ^2/NDF: 2316074.2/34

In: 4059.817+/-0.627 χ^2/NDF:4849241.2/35

Out: 3672.026+/-0.571 χ^2/NDF:6509190.5/39

All: 3848.008+/-0.422 χ^2/NDF: 11567507.5/7



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: 2705.014+/-474.086 χ^2/NDF:19.6/19

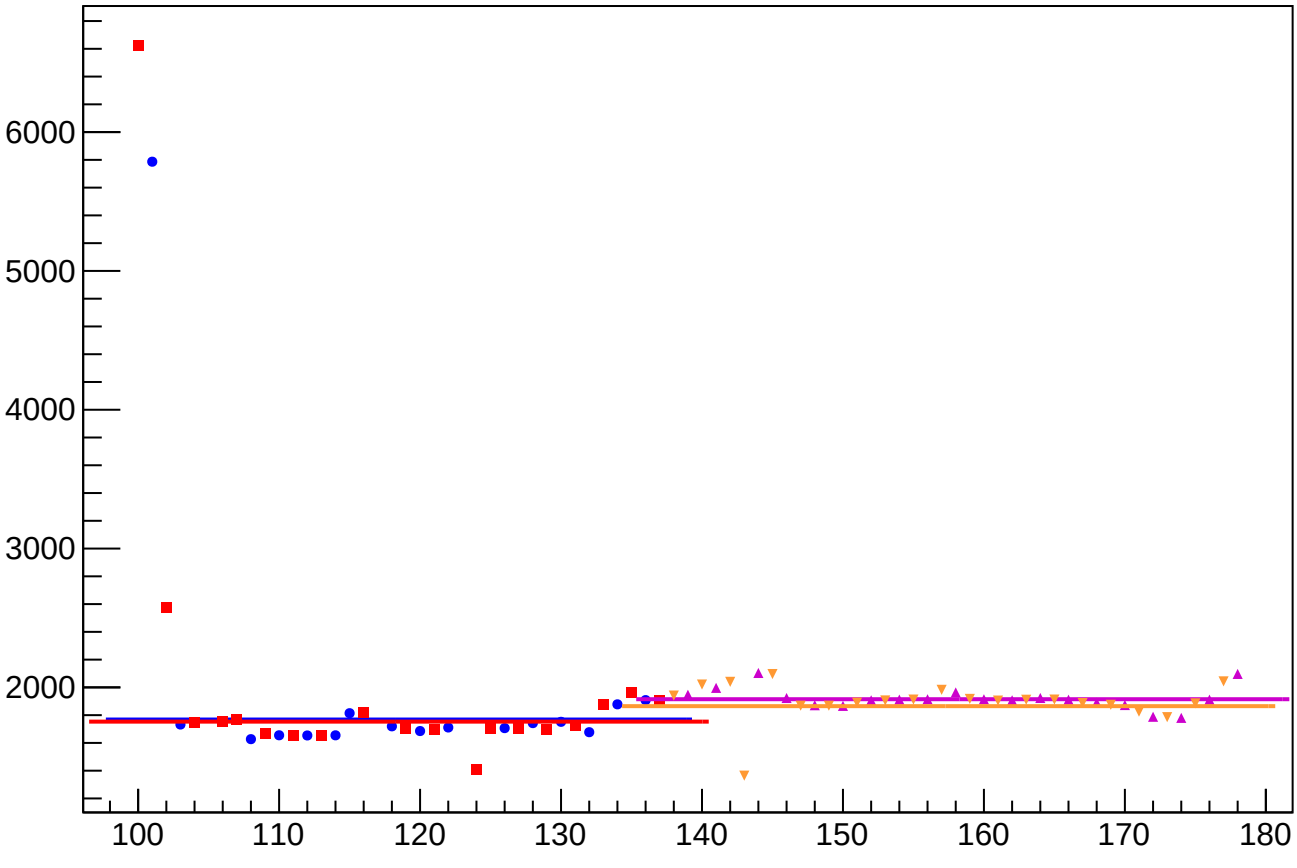
Left: 1934.365+/-329.643 χ^2/NDF: 54.9/40

Right: 2215.771+/-470.744 χ^2/NDF: 30.1/34

In: 2463.690+/-387.784 χ^2/NDF:32.8/35

Out: 1615.890+/-376.214 χ^2/NDF:50.0/39

All: 2026.953+/-270.021 χ^2/NDF: 85.3/75



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: 1914.845+/-0.335 χ^2/NDF:52278.7/19

Left: 1888.999+/-0.233 χ^2/NDF: 350585.2/40

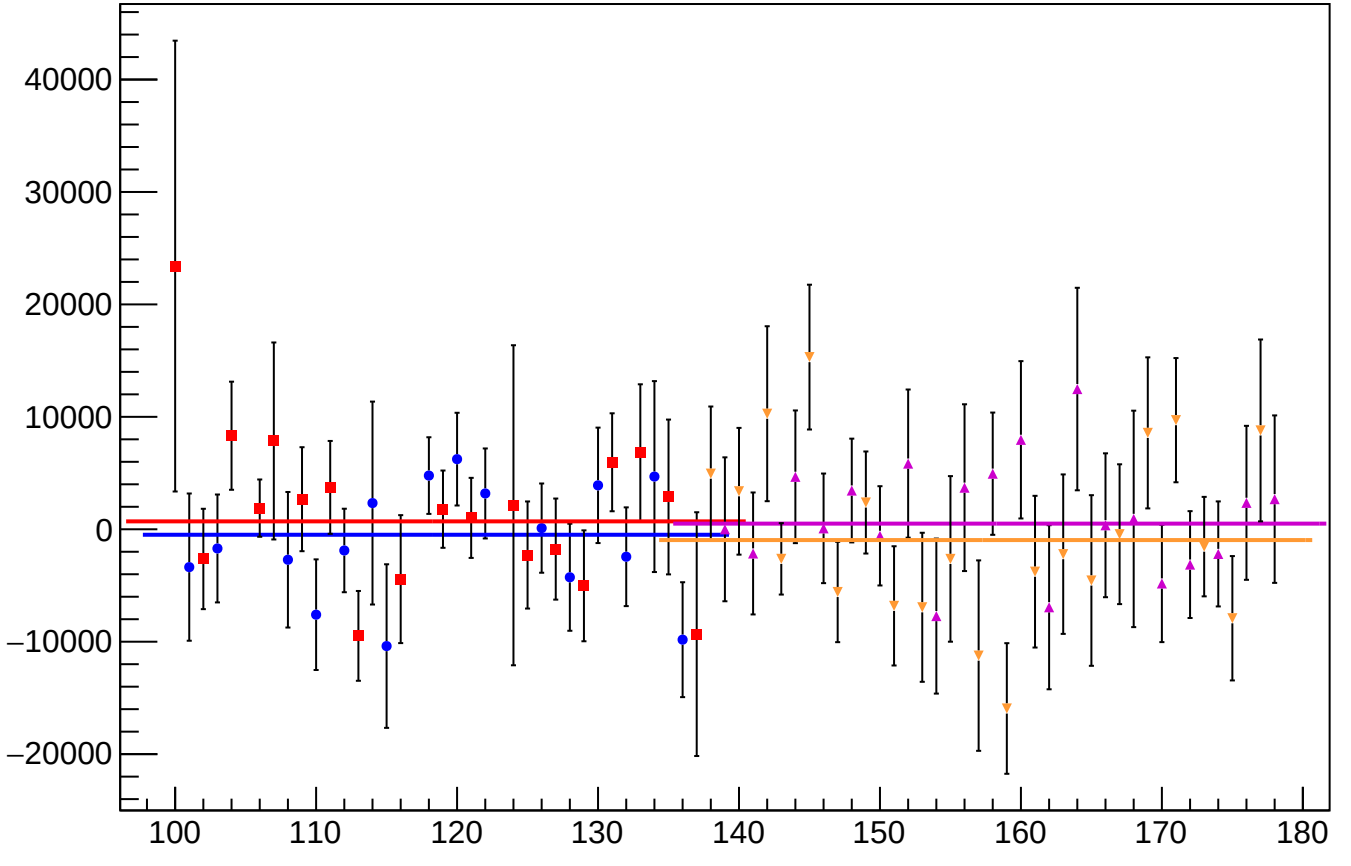
Right: 1760.725+/-0.332 χ^2/NDF: 886747.0/34

In: 1866.407+/-0.274 χ^2/NDF:782733.3/35

Out: 1828.217+/-0.266 χ^2/NDF:544423.3/39

All: 1846.717+/-0.191 χ^2/NDF: 1337157.7/75

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: 502.130+/-1317.003 χ^2/NDF:10.2/19

Left: -277.140+/-900.194 χ^2/NDF: 42.2/40

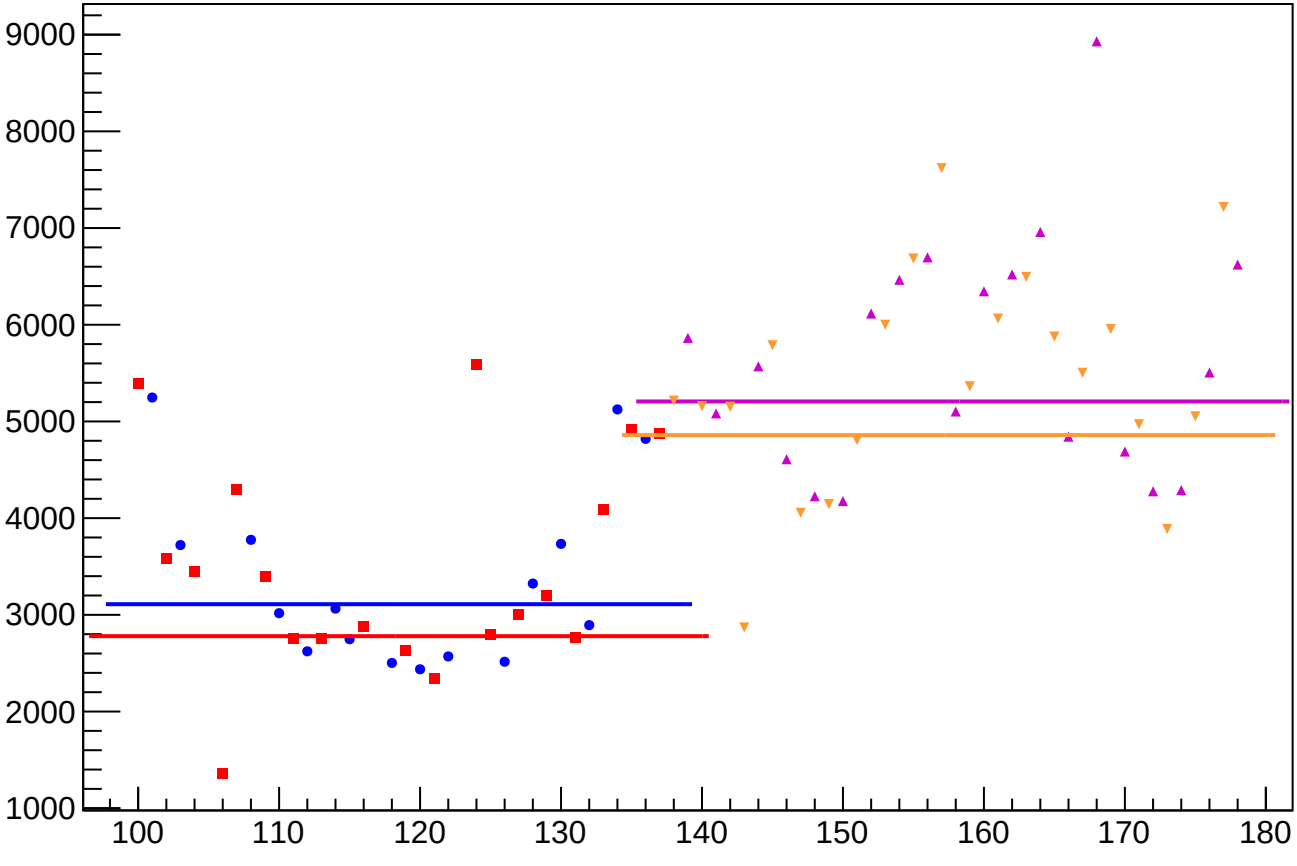
Right: 175.182+/-797.960 χ^2/NDF: 35.1/34

In: -39.529+/-886.408 χ^2/NDF:26.3/35

Out: -10.816+/-807.973 χ^2/NDF:51.3/39

All: -23.846+/-597.131 χ^2/NDF: 77.5/75

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4858.690+/-0.872 χ^2/NDF:1916776.5/20

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

Left In: 5206.582+/-0.931 χ^2/NDF:1193859.7/19

Left: 5021.224+/-0.637 χ^2/NDF: 3184991.7/40

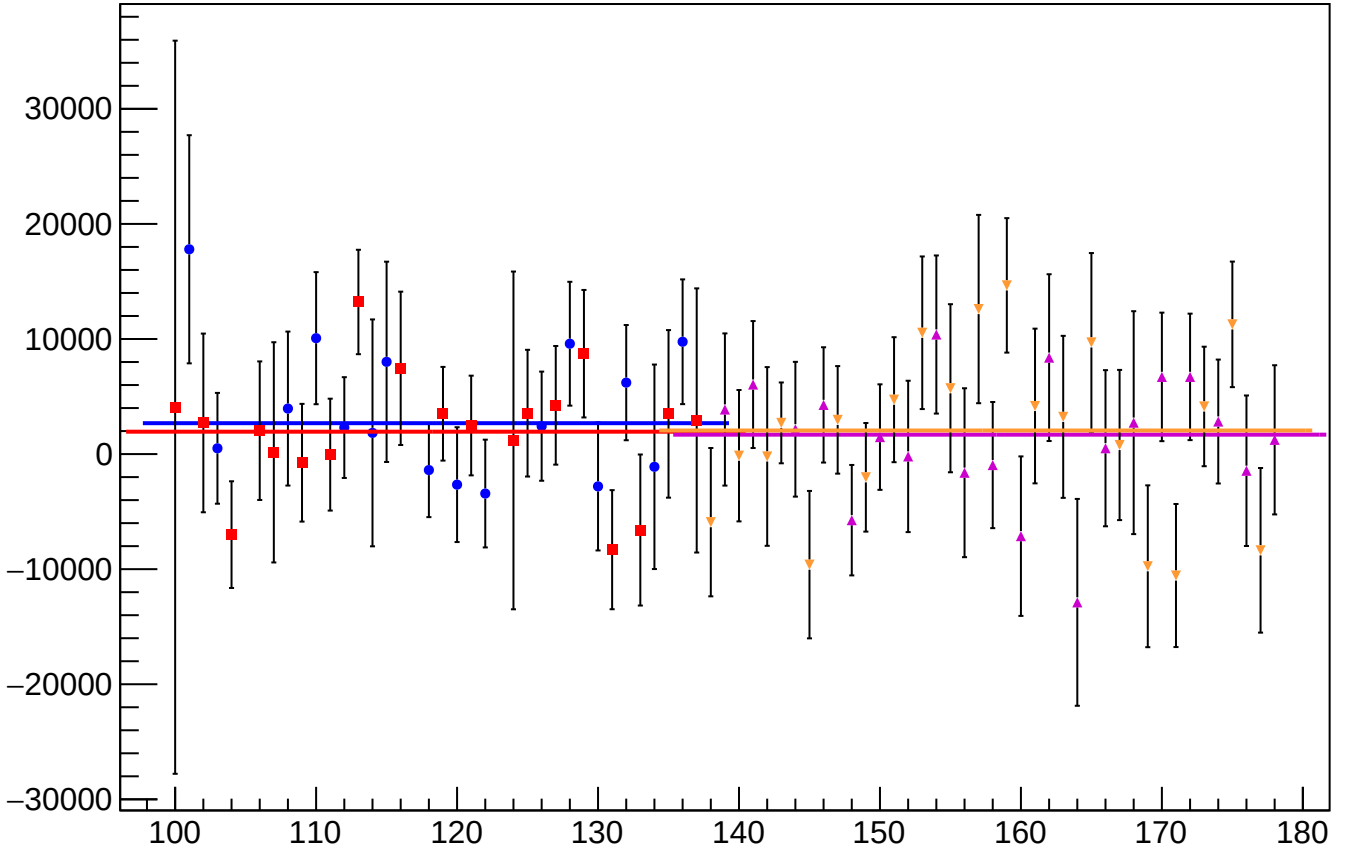
Right: 2926.126+/-0.564 χ^2/NDF: 2316104.6/34

In: 4059.810+/-0.627 χ^2/NDF:4849306.1/35

Out: 3672.016+/-0.571 χ^2/NDF:6509281.8/39

All: 3847.999+/-0.422 χ^2/NDF: 11567667.0/7

asym_atr1l2_avg_mean vs Slug, Sign Corrected



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: 1687.758+/-1356.508 χ^2/NDF:12.6/19

Left: 1878.575+/-932.776 χ^2/NDF: 40.2/40

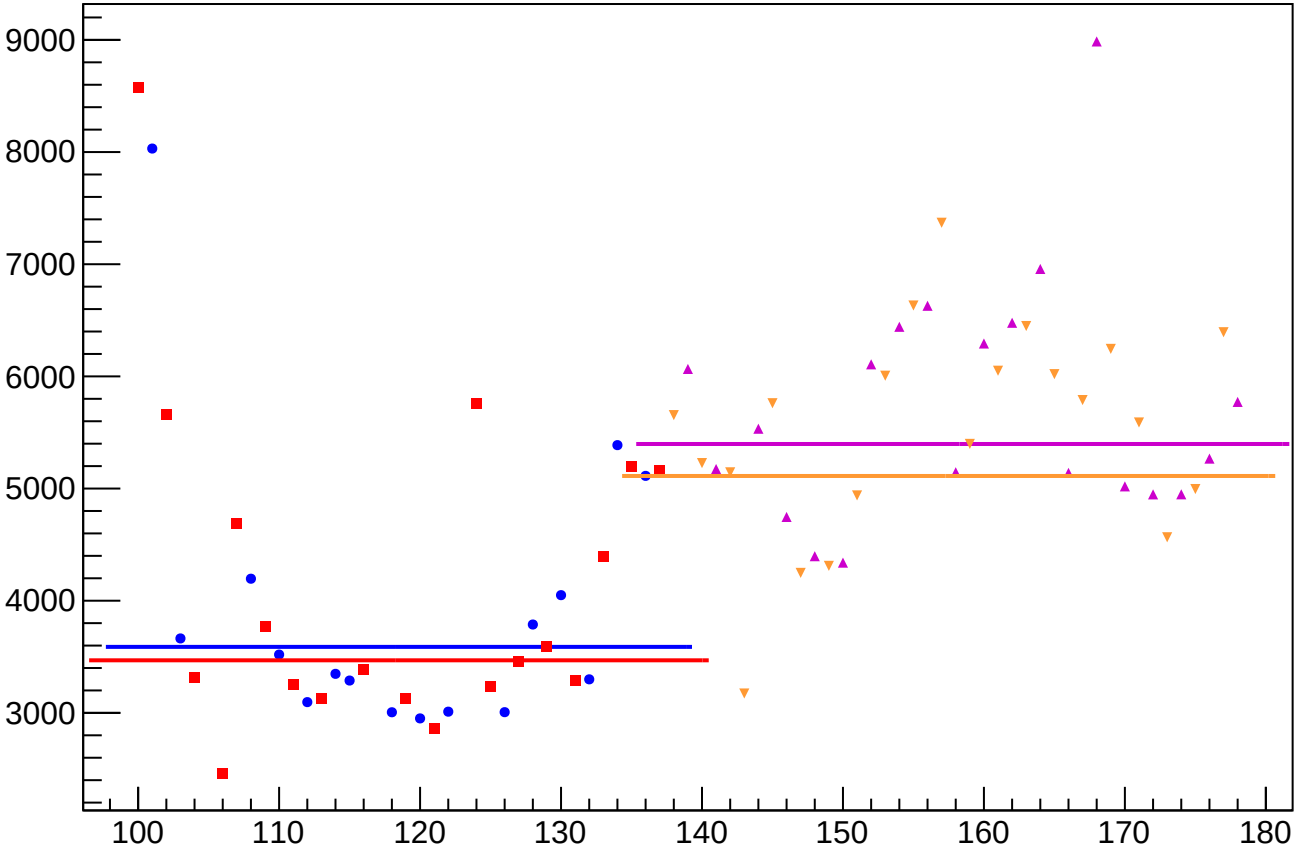
Right: 2302.760+/-958.722 χ^2/NDF: 32.3/34

In: 2178.056+/-967.363 χ^2/NDF:26.3/35

Out: 1999.624+/-925.022 χ^2/NDF:46.2/39

All: 2084.850+/-668.557 χ^2/NDF: 72.6/75

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: 5397.239+/-0.959 χ^2/NDF:841847.3/19

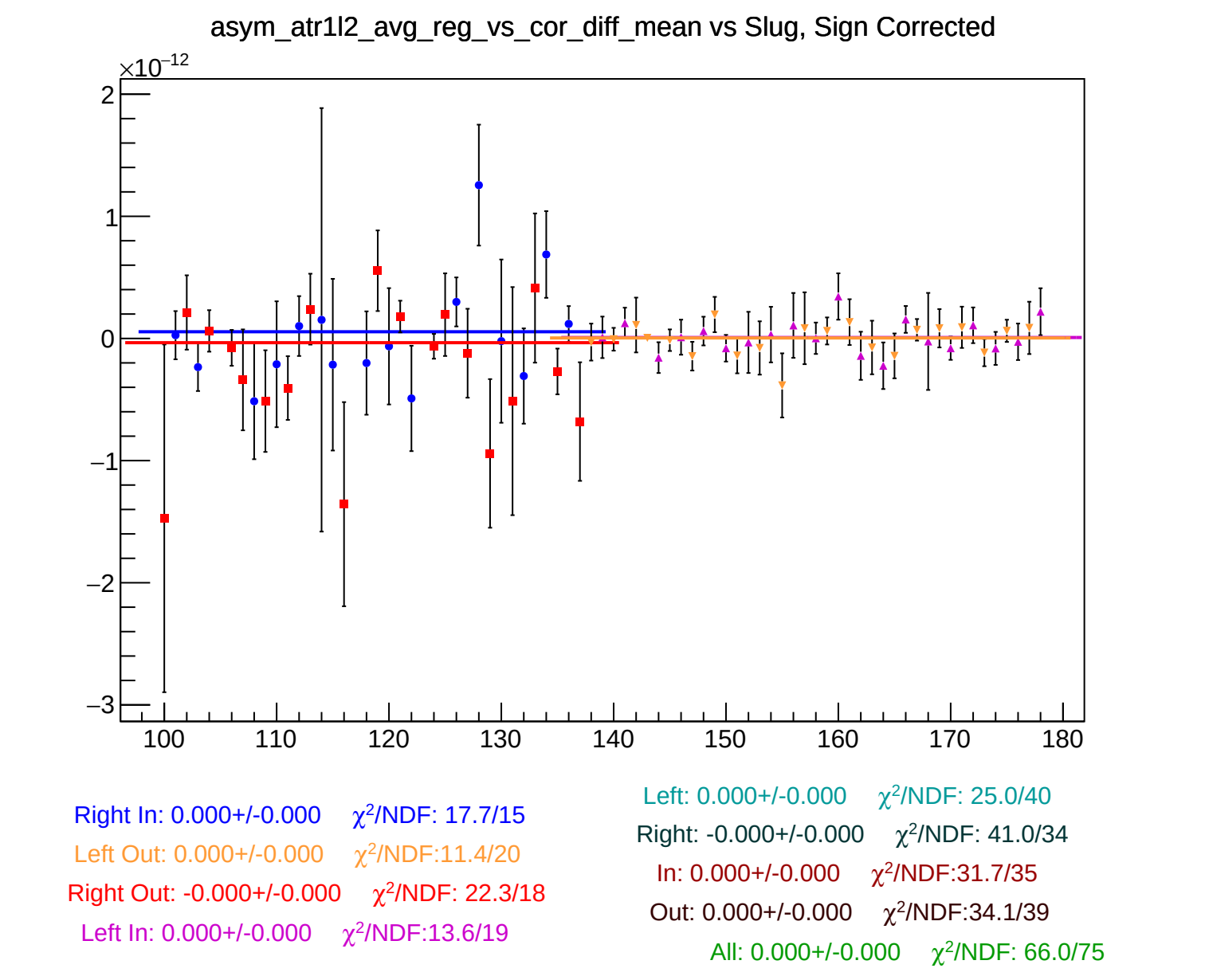
Left: 5246.917+/-0.660 χ^2/NDF: 2253016.7/40

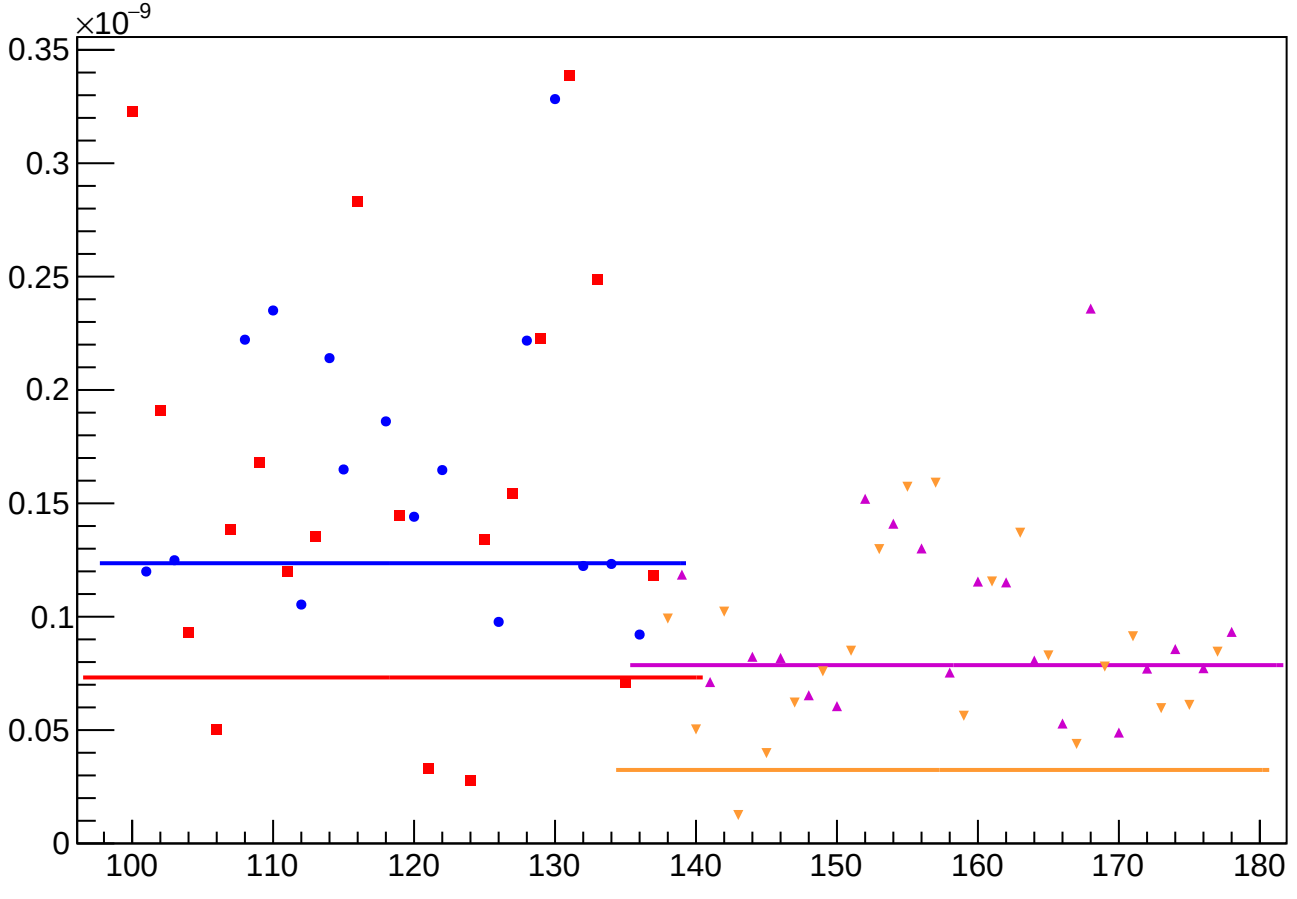
Right: 3525.541+/-0.673 χ^2/NDF: 1519674.0/34

In: 4508.298+/-0.684 χ^2/NDF:3434699.2/35

Out: 4308.092+/-0.649 χ^2/NDF:3632281.4/39

All: 4402.976+/-0.471 χ^2/NDF: 7112046.6/75


asym_atr1l2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 17.7/15
Left Out: 0.000+/-0.000 χ²/NDF:11.4/20
Right Out: -0.000+/-0.000 χ²/NDF: 22.3/18
Left In: 0.000+/-0.000 χ²/NDF:13.6/19
Left: 0.000+/-0.000 χ²/NDF: 25.0/40
Right: -0.000+/-0.000 χ²/NDF: 41.0/34
In: 0.000+/-0.000 χ²/NDF:31.7/35
Out: 0.000+/-0.000 χ²/NDF:34.1/39
All: 0.000+/-0.000 χ²/NDF: 66.0/75



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:1378764.8/19

Left: 0.000+/-0.000 χ^2/NDF: 10437919.2/40

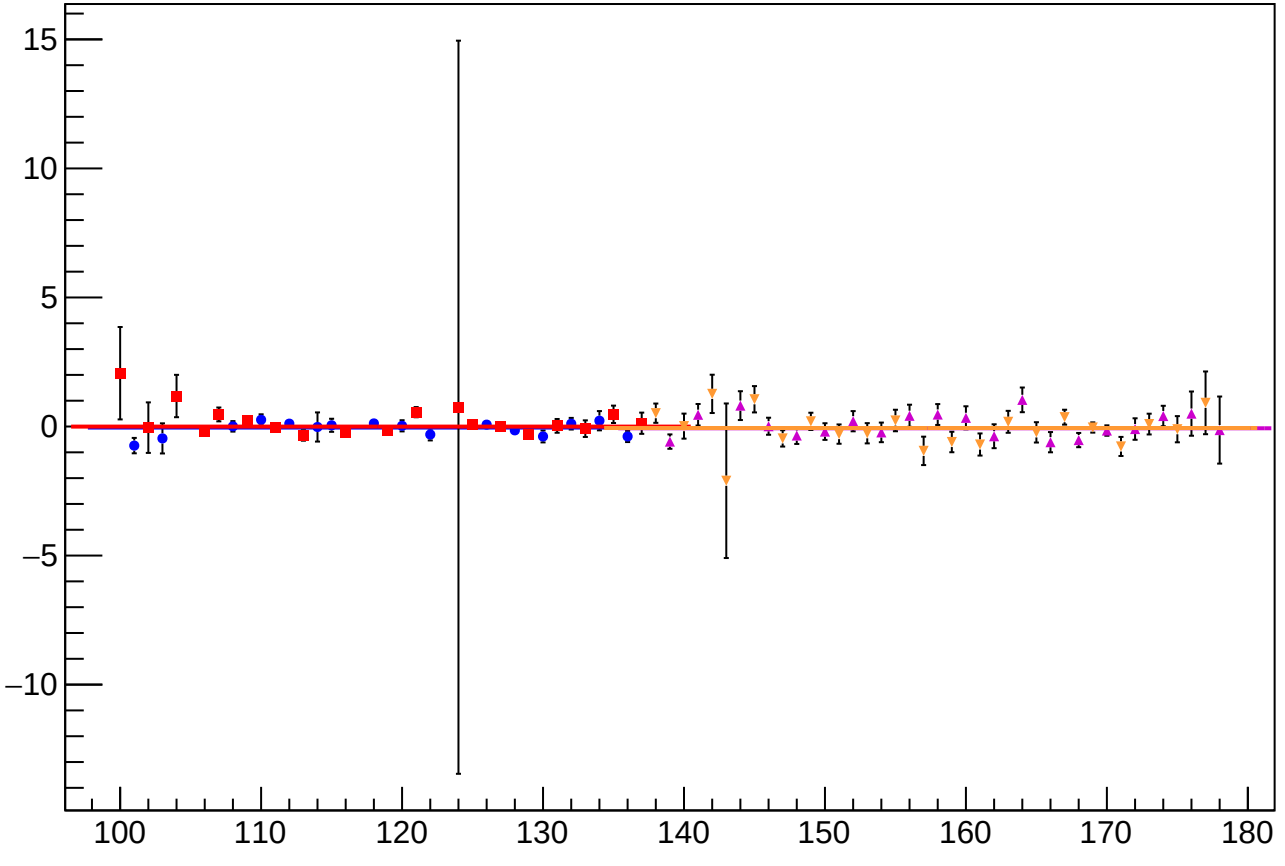
Right: 0.000+/-0.000 χ^2/NDF: 3471325.1/34

In: 0.000+/-0.000 χ^2/NDF:2669491.0/35

Out: 0.000+/-0.000 χ^2/NDF:9249312.8/39

All: 0.000+/-0.000 χ^2/NDF: 16061667.8/75

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+/-0.082 χ^2/NDF:25.4/19

Left: -0.063+/-0.059 χ^2/NDF: 53.4/40

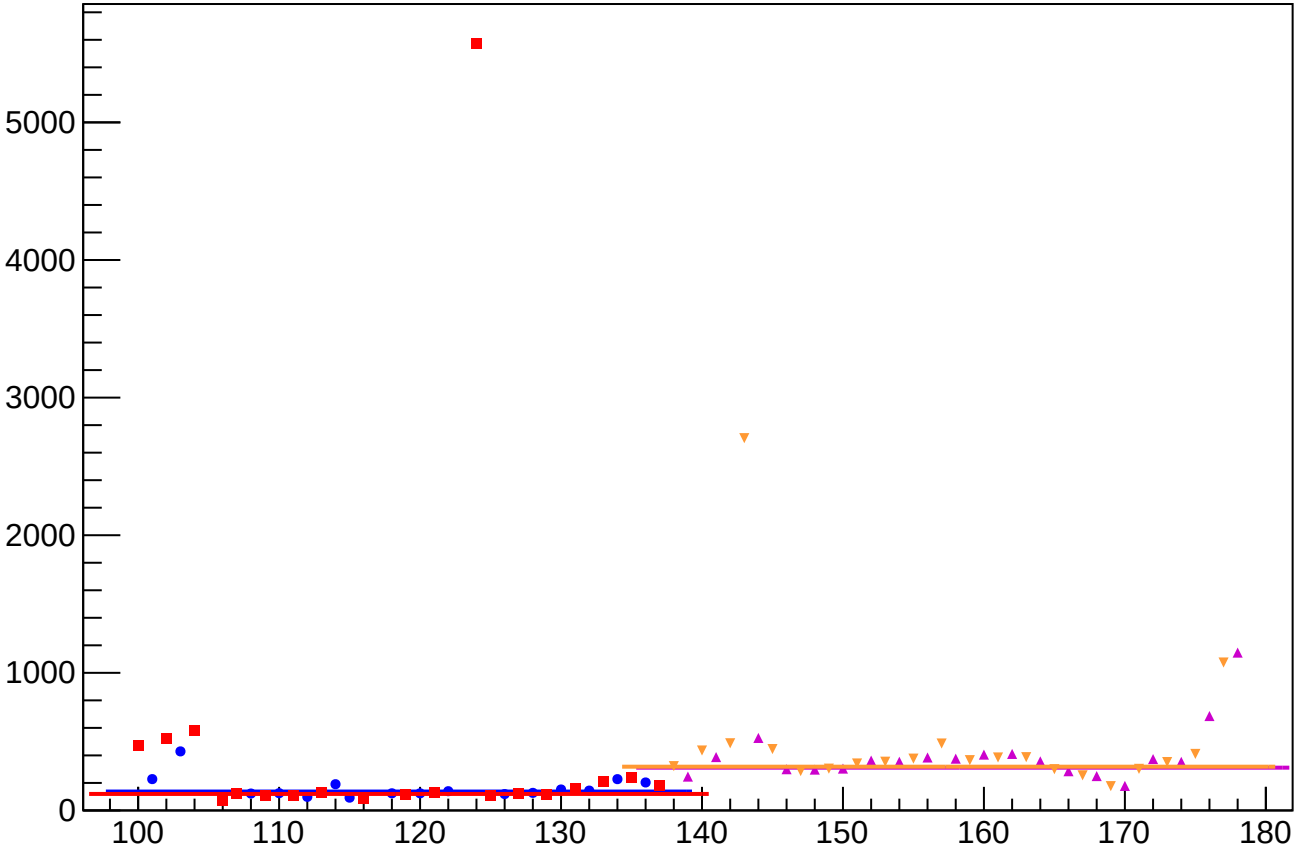
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.049+/-0.046 χ^2/NDF:43.4/35

Out: -0.017+/-0.044 χ^2/NDF:57.1/39

All: -0.032+/-0.032 χ^2/NDF: 100.7/75

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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: 310.902+/-0.058 χ^2/NDF:3106524.3/19

Left: 314.356+/-0.042 χ^2/NDF: 7113544.8/40

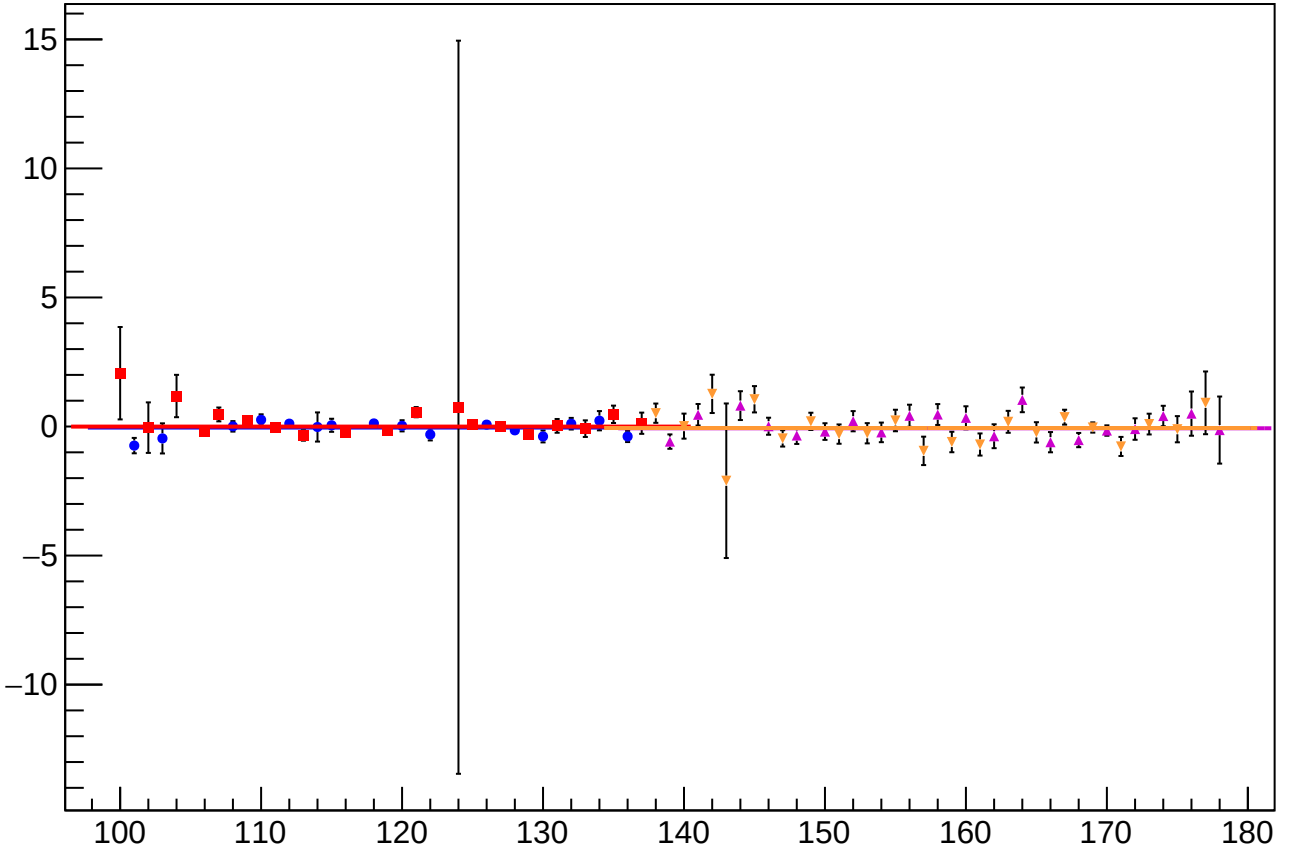
Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 192.001+/-0.033 χ^2/NDF:10455482.5/35

Out: 172.233+/-0.031 χ^2/NDF:14115706.2/39

All: 181.565+/-0.022 χ^2/NDF: 24764417.6/75

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.058+/-0.085 χ^2/NDF:28.0/20

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.068+/-0.082 χ^2/NDF:25.4/19

Left: -0.063+/-0.059 χ^2/NDF: 53.4/40

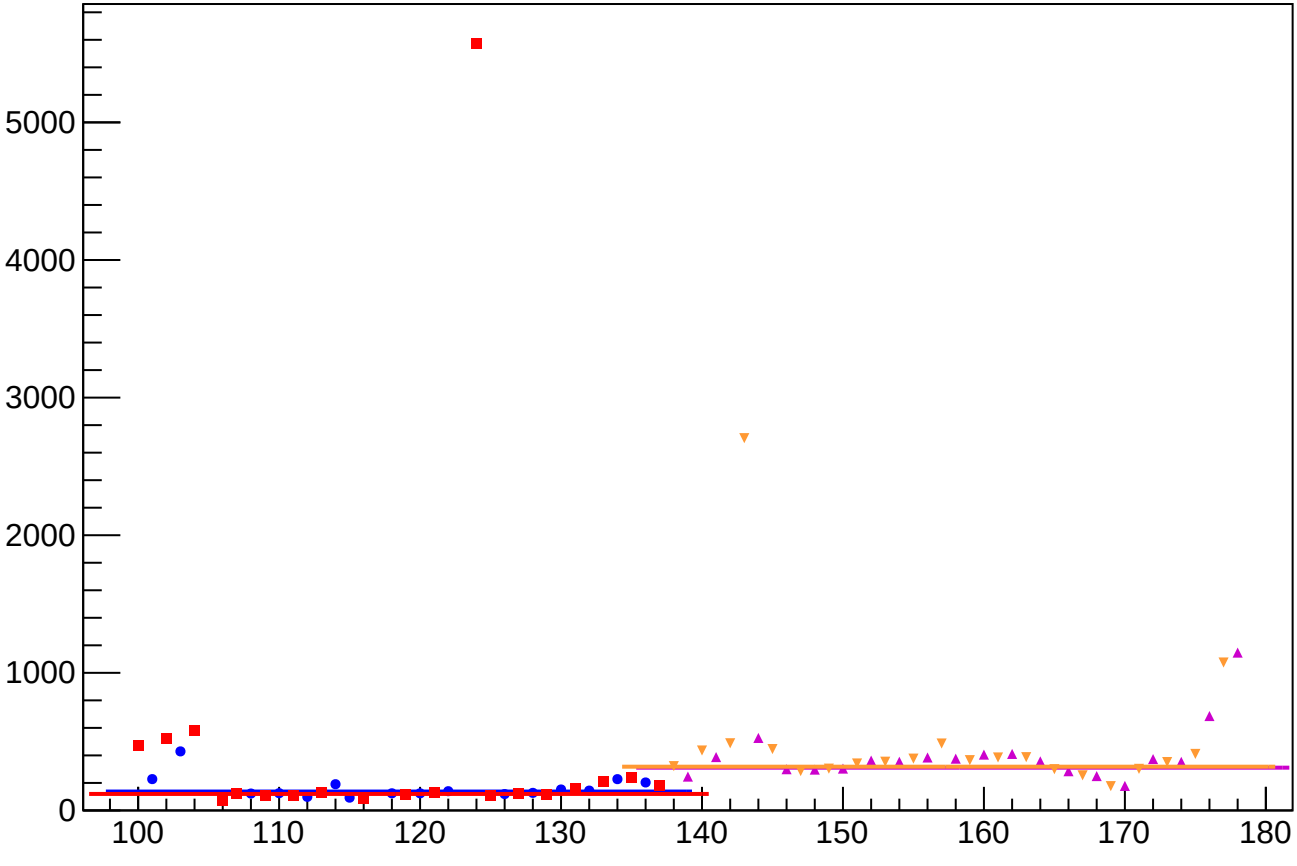
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.049+/-0.046 χ^2/NDF:43.4/35

Out: -0.017+/-0.044 χ^2/NDF:57.1/39

All: -0.032+/-0.032 χ^2/NDF: 100.7/75

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 318.042+/-0.060 χ^2/NDF:3999750.2/20

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 310.902+/-0.058 χ^2/NDF:3106524.3/19

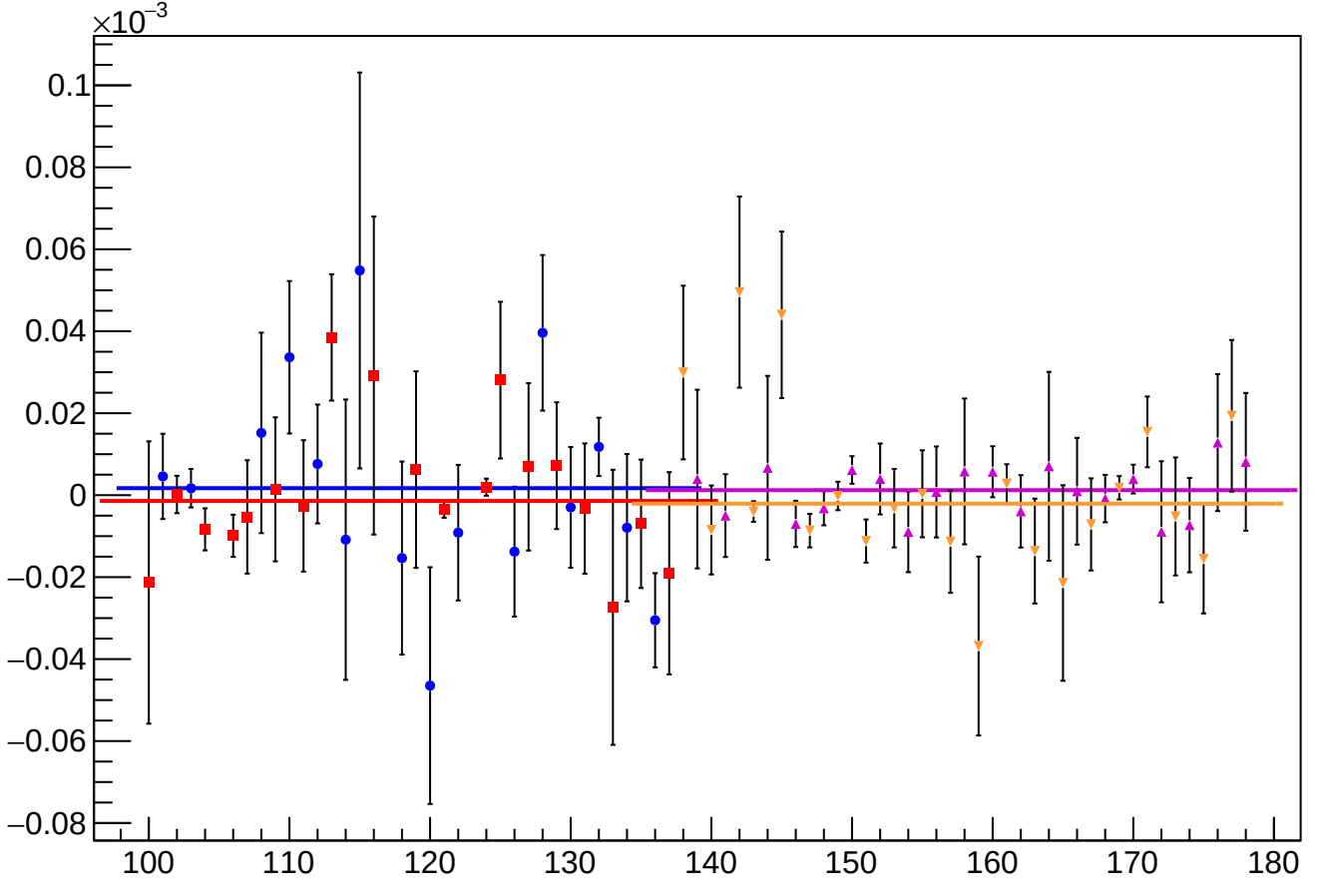
Left: 314.356+/-0.042 χ^2/NDF: 7113544.8/40

Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 192.001+/-0.033 χ^2/NDF:10455482.5/35

Out: 172.233+/-0.031 χ^2/NDF:14115706.2/39

All: 181.565+/-0.022 χ^2/NDF: 24764417.6/75



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:10.3/19

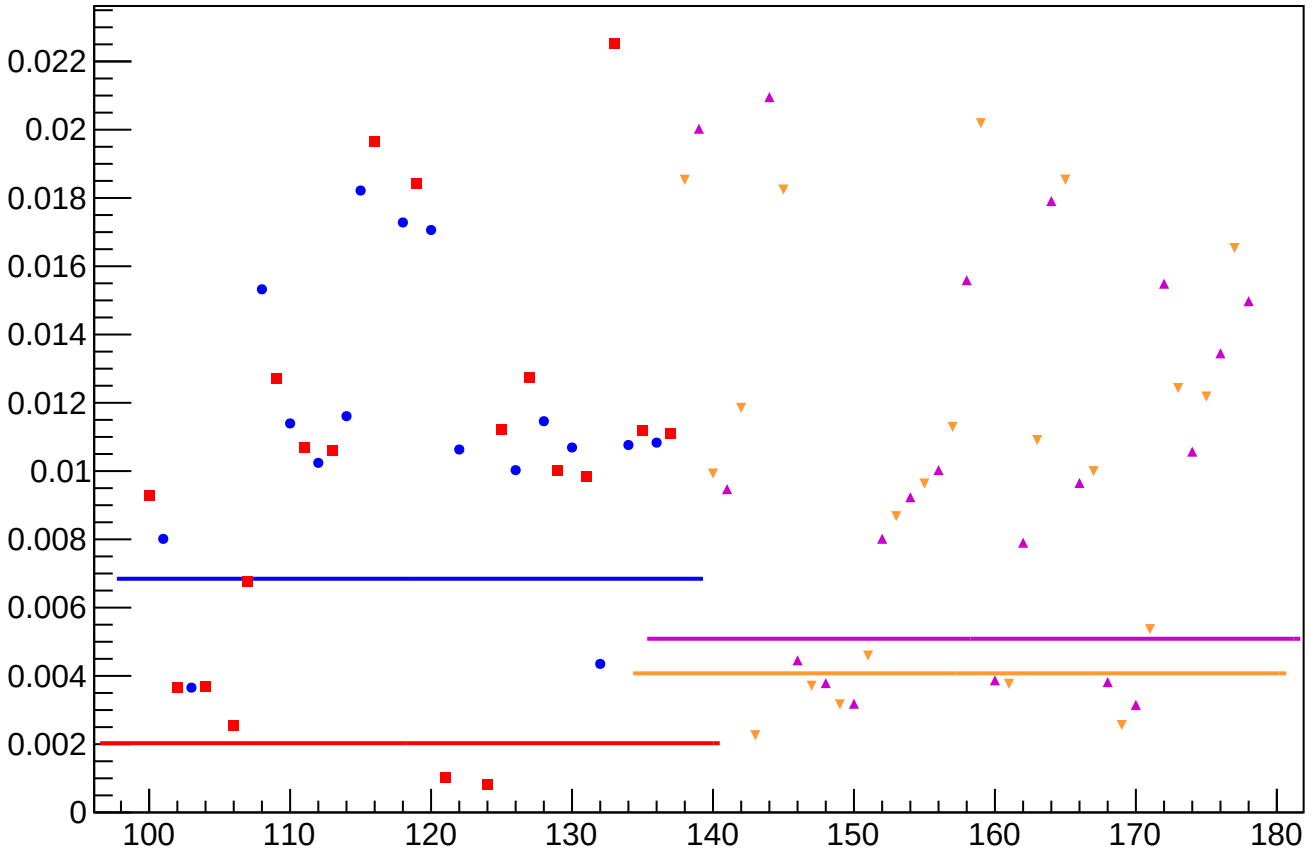
Left: -0.000+/-0.000 χ^2/NDF: 46.4/40

Right: -0.000+/-0.000 χ^2/NDF: 45.0/34

In: 0.000+/-0.000 χ^2/NDF:34.1/35

Out: -0.000+/-0.000 χ^2/NDF:53.8/39

All: -0.000+/-0.000 χ^2/NDF: 91.4/75



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:9084253.4/19

Left: 0.004+/-0.000 χ^2/NDF: 21068062.3/40

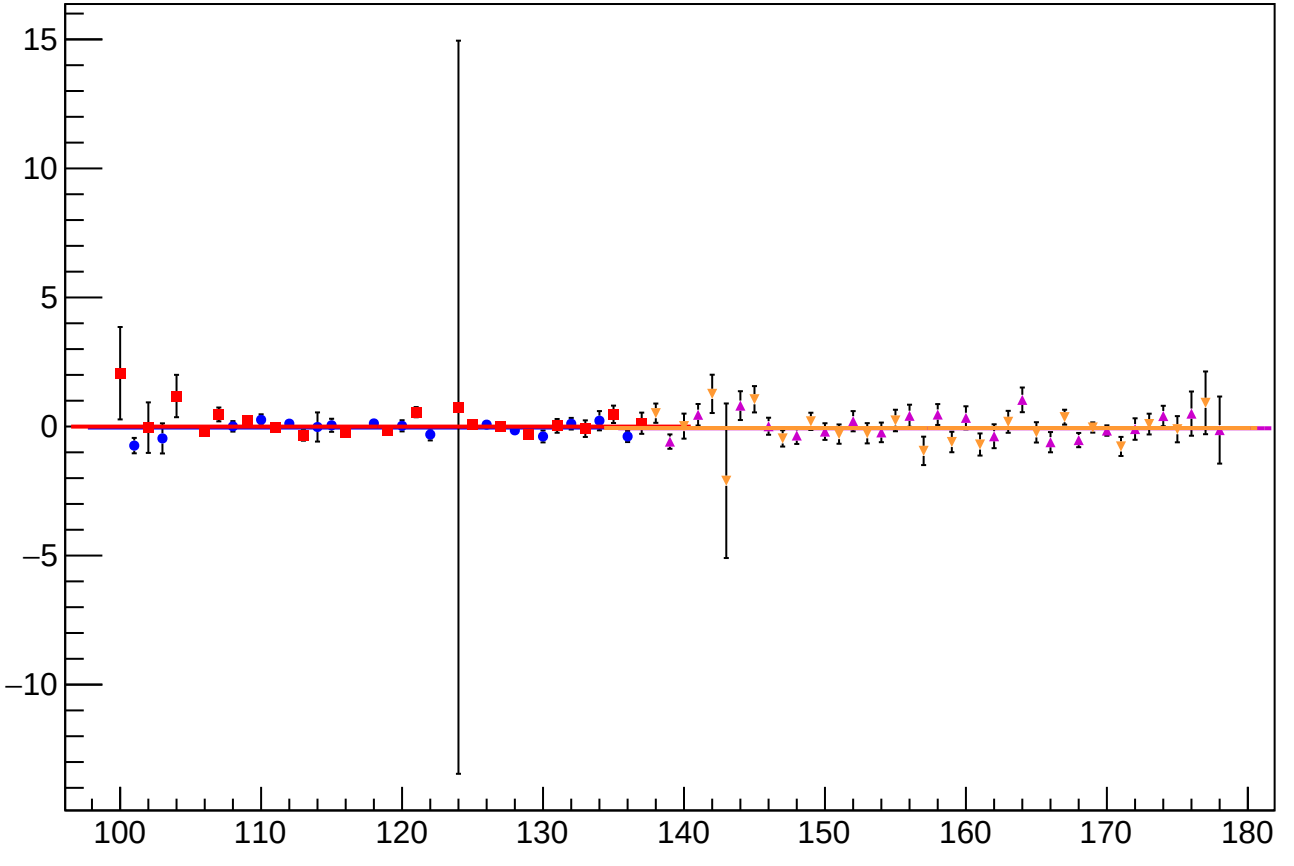
Right: 0.003+/-0.000 χ^2/NDF: 16707172.2/34

In: 0.005+/-0.000 χ^2/NDF:12861545.6/35

Out: 0.003+/-0.000 χ^2/NDF:23059926.6/39

All: 0.004+/-0.000 χ^2/NDF: 40310185.7/75

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+/-0.082 χ^2/NDF:25.4/19

Left: -0.063+/-0.059 χ^2/NDF: 53.4/40

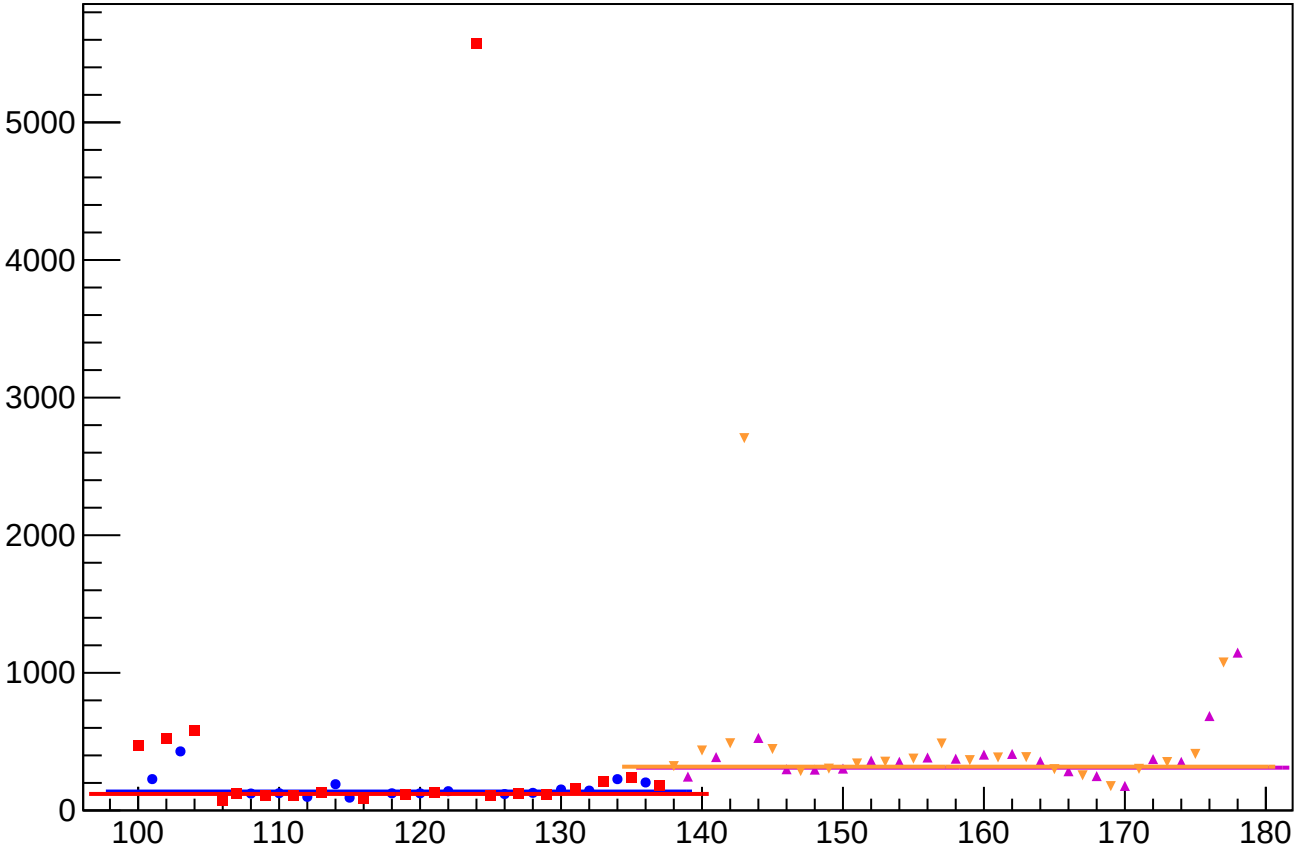
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.049+/-0.046 χ^2/NDF:43.4/35

Out: -0.017+/-0.044 χ^2/NDF:57.1/39

All: -0.032+/-0.032 χ^2/NDF: 100.7/75

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 318.044+/-0.060 χ^2/NDF:3999796.0/20

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 310.905+/-0.058 χ^2/NDF:3106520.7/19

Left: 314.358+/-0.042 χ^2/NDF: 7113585.0/40

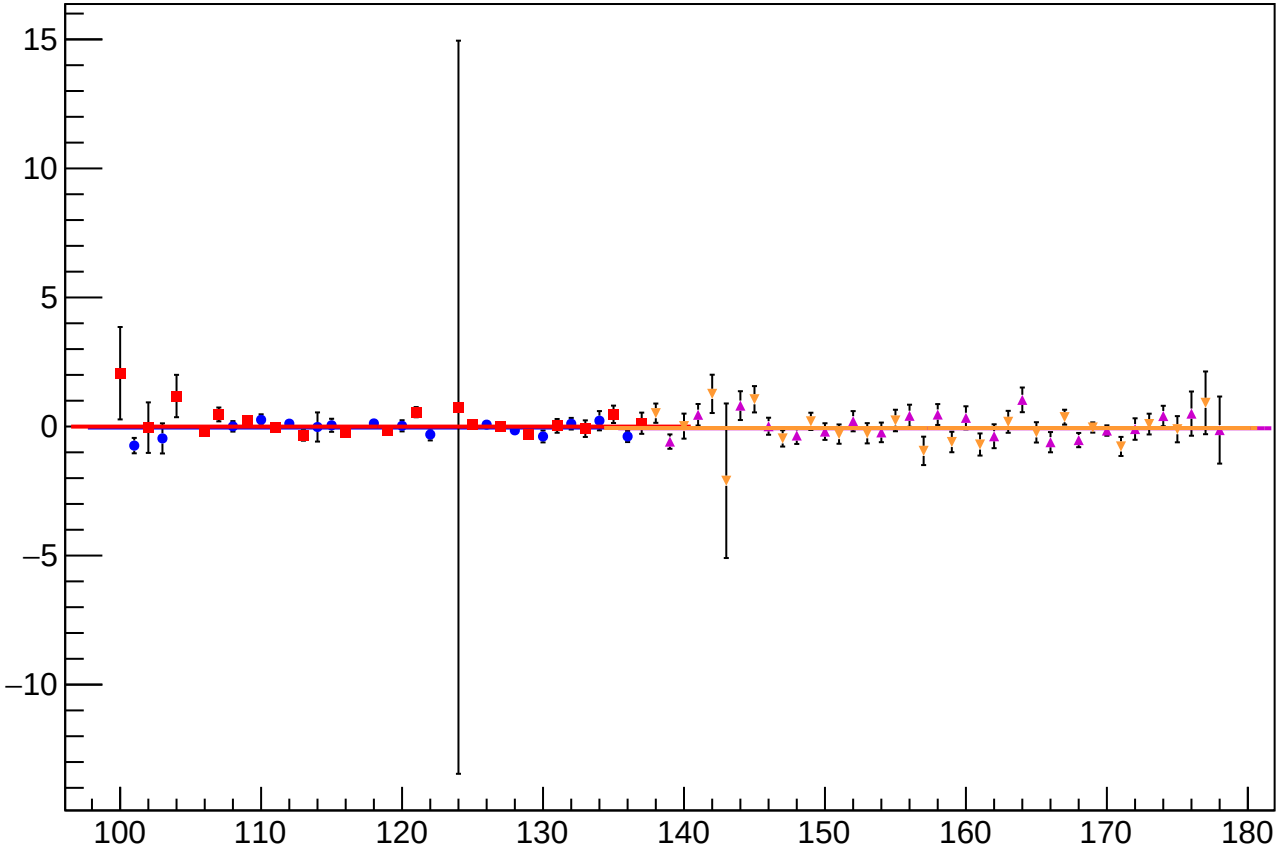
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 192.003+/-0.033 χ^2/NDF:10455454.0/35

Out: 172.233+/-0.031 χ^2/NDF:14115755.5/39

All: 181.566+/-0.022 χ^2/NDF: 24764462.9/75

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.058+/-0.085 χ^2/NDF:28.0/20

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.068+/-0.082 χ^2/NDF:25.4/19

Left: -0.063+/-0.059 χ^2/NDF: 53.4/40

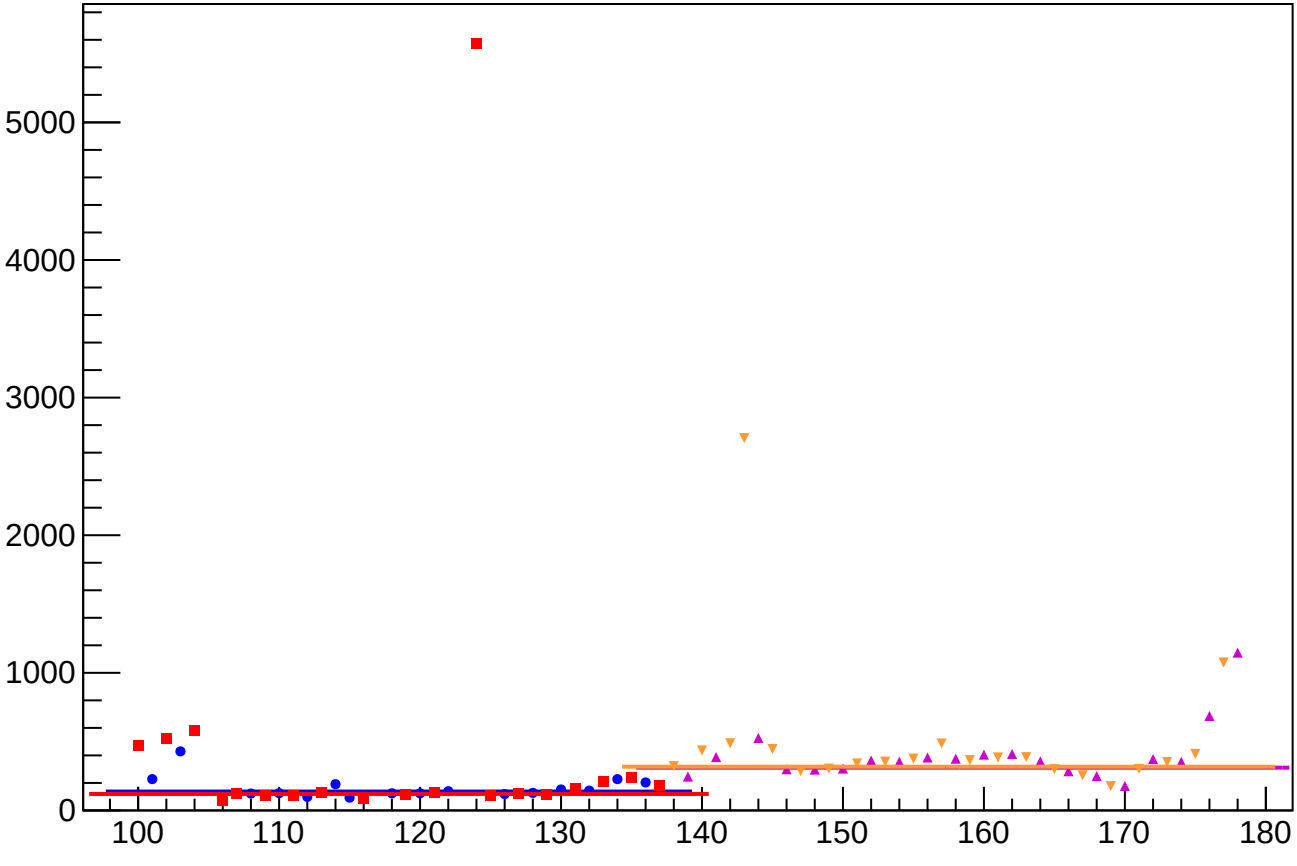
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.049+/-0.046 χ^2/NDF:43.4/35

Out: -0.017+/-0.044 χ^2/NDF:57.1/39

All: -0.032+/-0.032 χ^2/NDF: 100.7/75

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: 310.905+/-0.058 χ^2/NDF:3106520.7/19

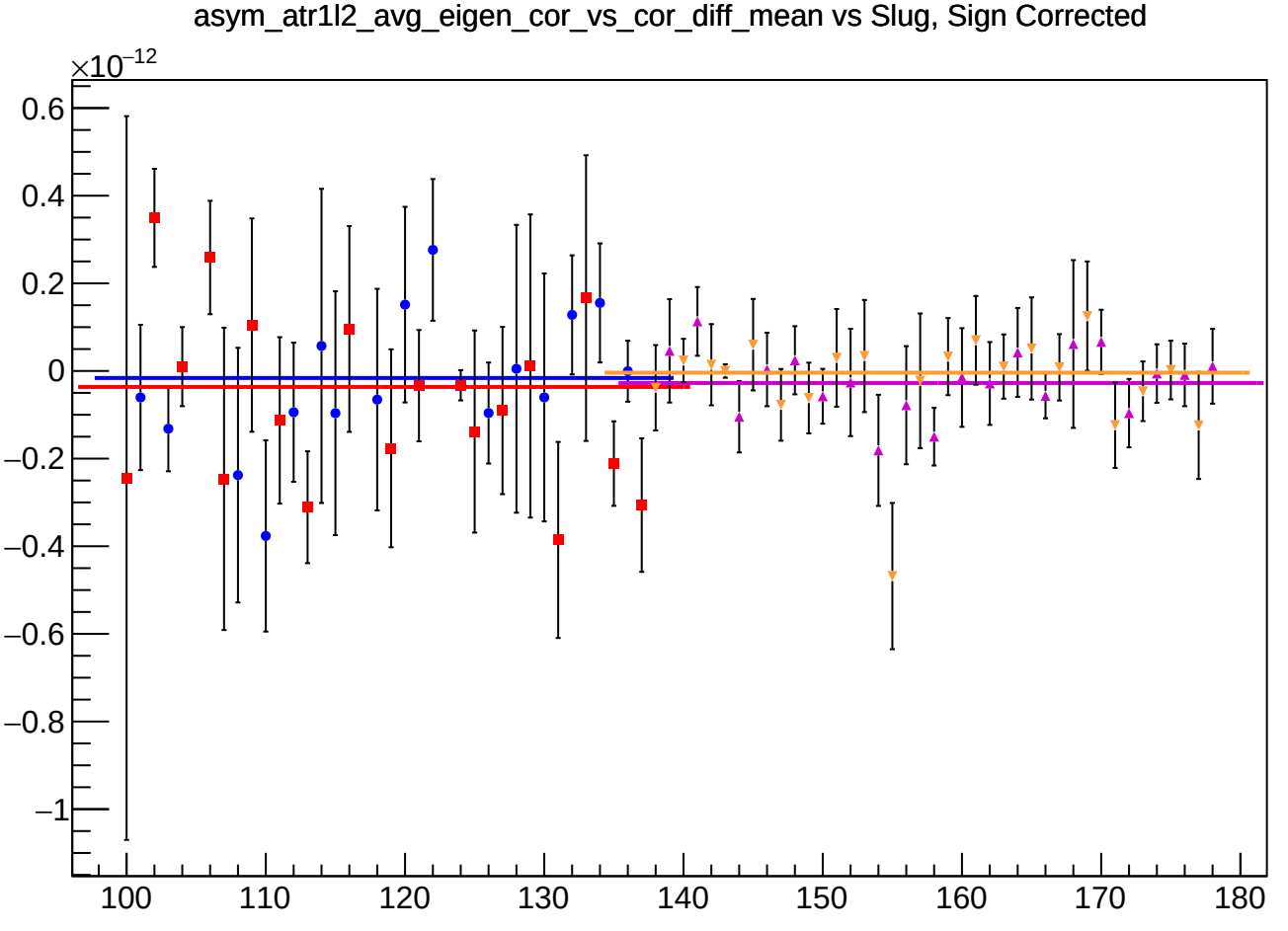
Left: 314.358+/-0.042 χ^2/NDF: 7113585.0/40

Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 192.003+/-0.033 χ^2/NDF:10455454.0/35

Out: 172.233+/-0.031 χ^2/NDF:14115755.5/39

All: 181.566+/-0.022 χ^2/NDF: 24764462.9/75



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/20

Right Out: -0.000+/-0.000 χ^2/NDF: 33.2/18

Left In: -0.000+/-0.000 χ^2/NDF:14.2/19

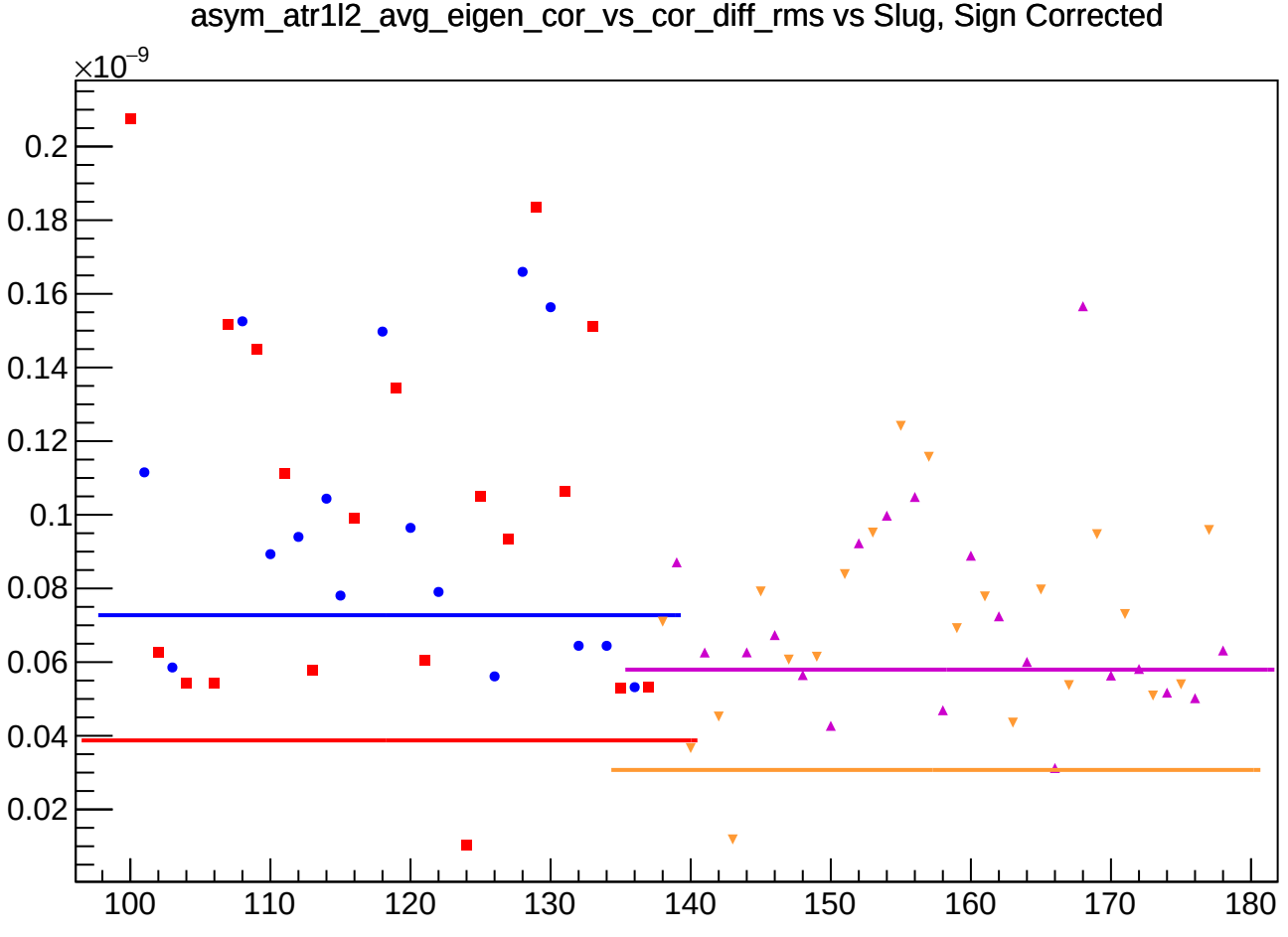
Left: -0.000+/-0.000 χ^2/NDF: 30.5/40

Right: -0.000+/-0.000 χ^2/NDF: 45.7/34

In: -0.000+/-0.000 χ^2/NDF:26.6/35

Out: -0.000+/-0.000 χ^2/NDF:49.6/39

All: -0.000+/-0.000 χ^2/NDF: 76.8/75



Right In: 0.000+/-0.000 χ^2/NDF: 1128031.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:9904002.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 4266020.5/18

Left In: 0.000+/-0.000 χ^2/NDF:2275523.6/19

Left: 0.000+/-0.000 χ^2/NDF: 15241710.3/40

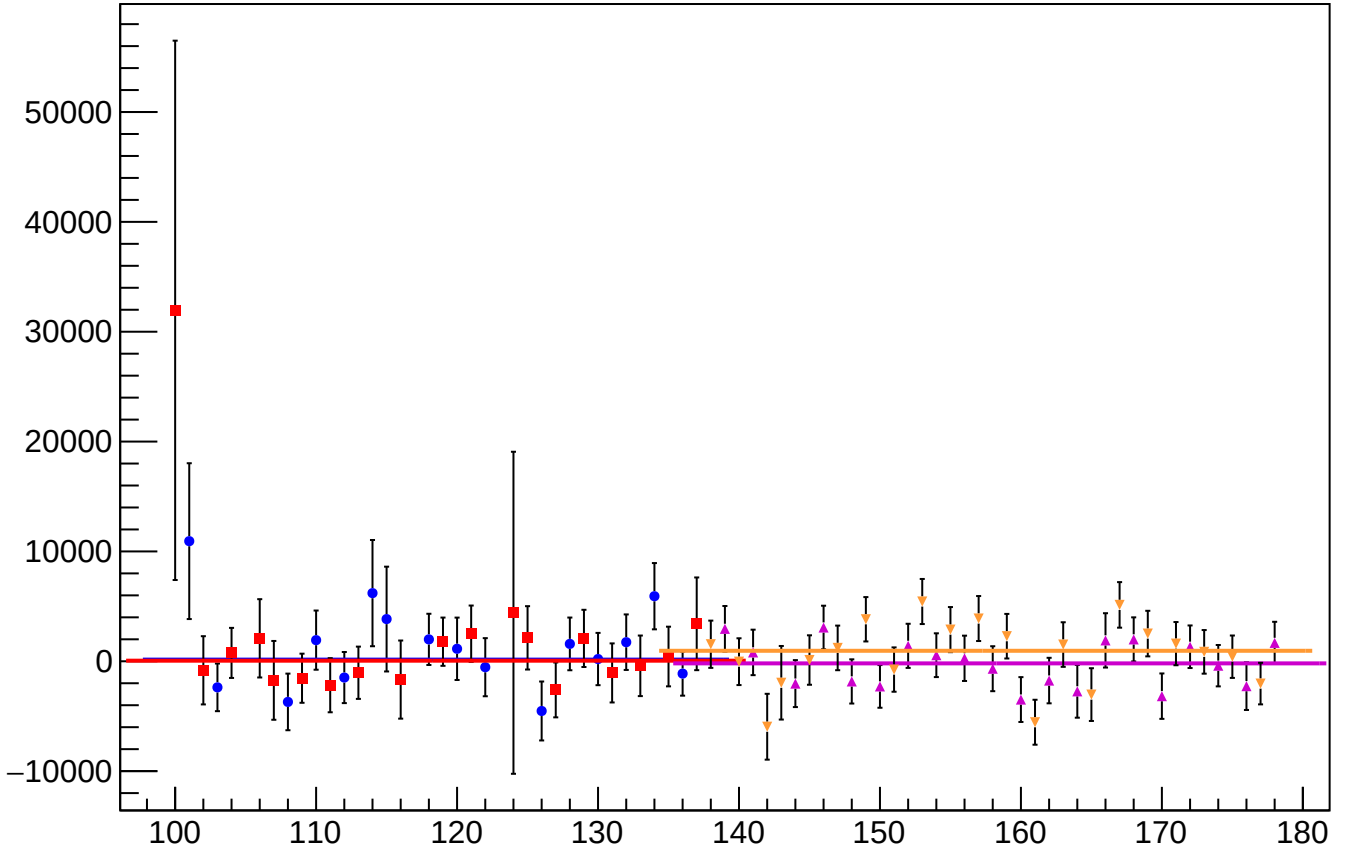
Right: 0.000+/-0.000 χ^2/NDF: 6532086.1/34

In: 0.000+/-0.000 χ^2/NDF:3657129.4/35

Out: 0.000+/-0.000 χ^2/NDF:14331890.8/39

All: 0.000+/-0.000 χ^2/NDF: 22181753.4/75

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: -190.835+/-458.872 χ^2/NDF:19.5/19

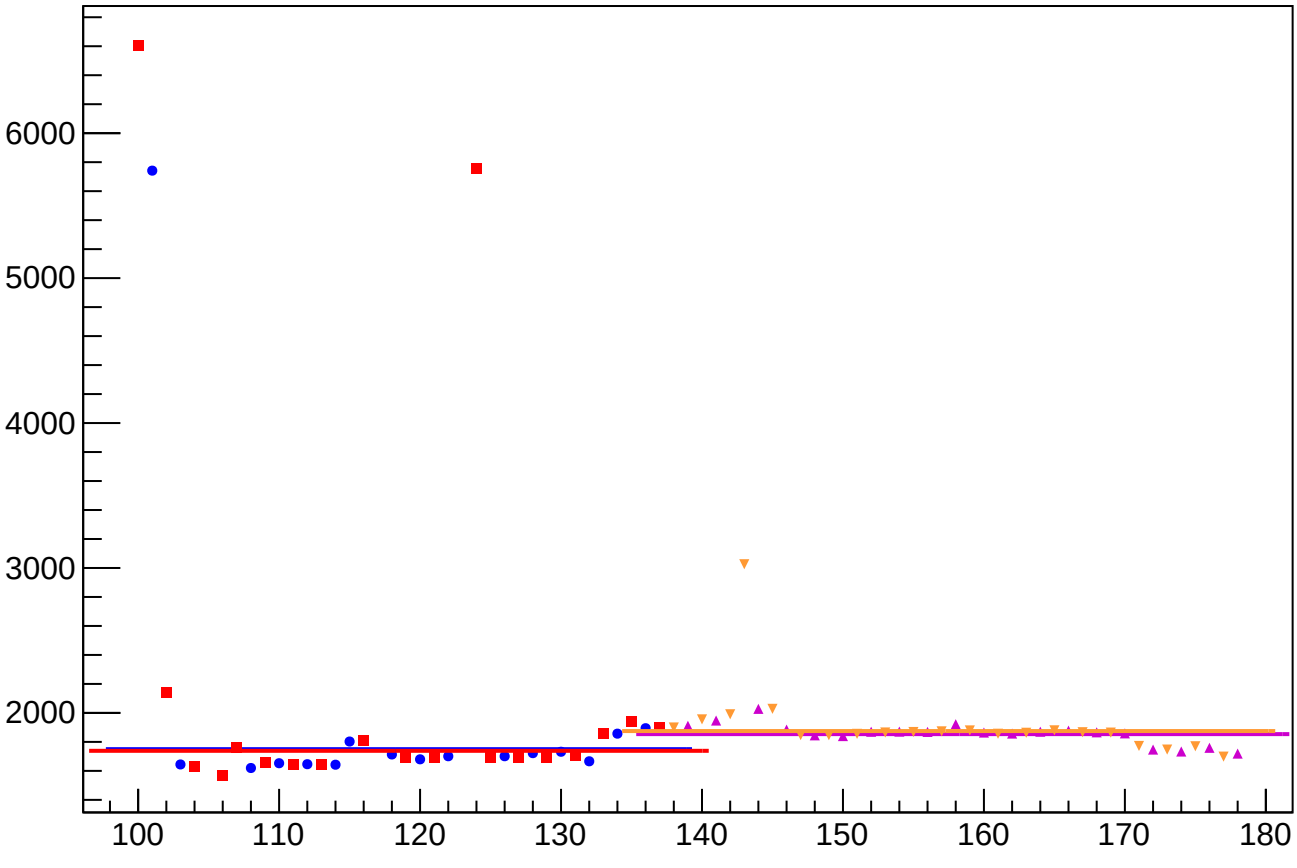
Left: 379.286+/-325.232 χ^2/NDF: 60.2/40

Right: 101.554+/-467.446 χ^2/NDF: 26.6/34

In: -81.116+/-378.053 χ^2/NDF:37.3/35

Out: 656.558+/-377.056 χ^2/NDF:47.9/39

All: 288.694+/-266.971 χ^2/NDF: 87.1/75



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: 1853.656+/-0.324 χ^2/NDF:50405.0/19

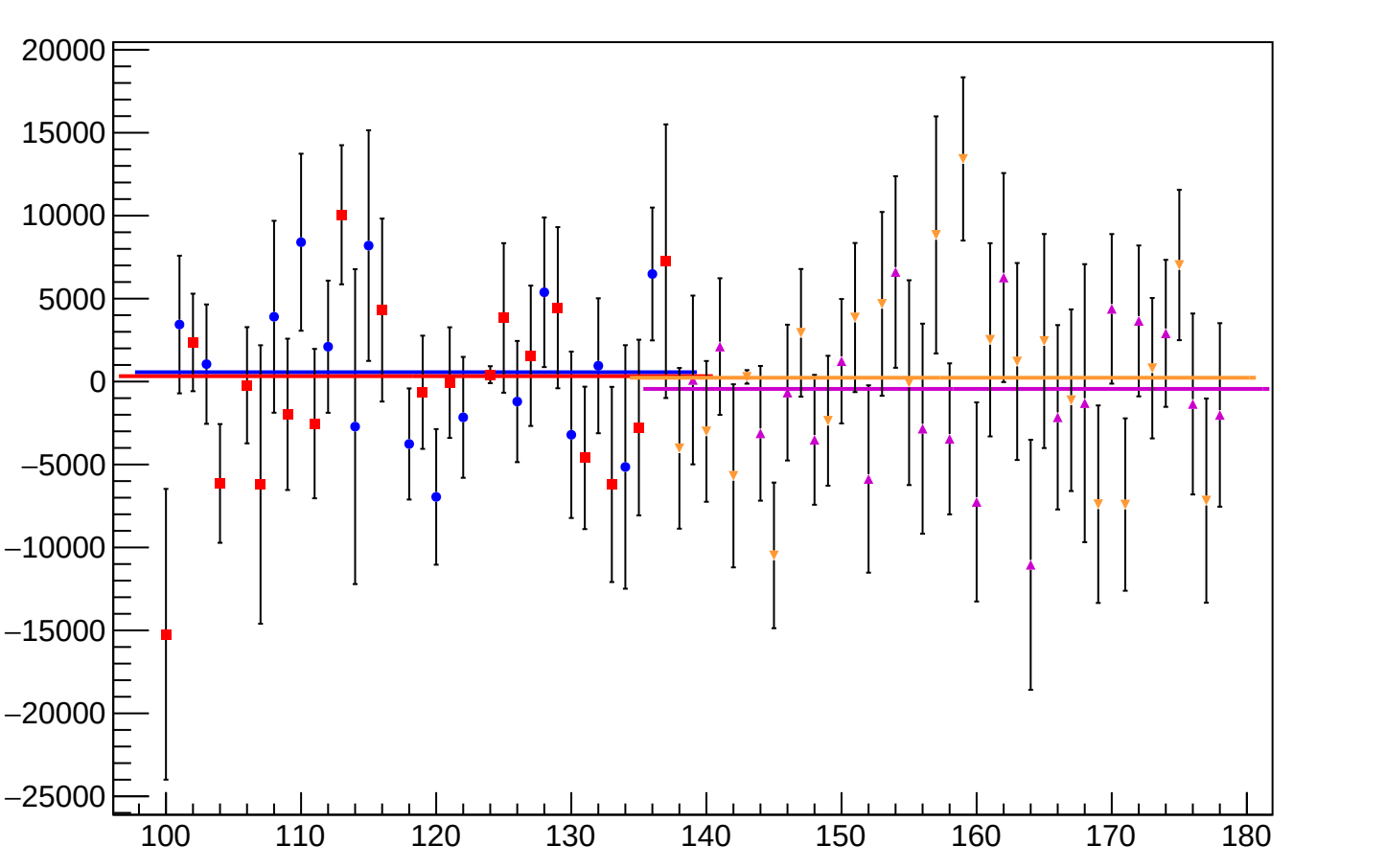
Left: 1864.143+/-0.230 χ^2/NDF: 342521.1/40

Right: 1744.036+/-0.329 χ^2/NDF: 974367.2/34

In: 1820.315+/-0.267 χ^2/NDF:752850.1/35

Out: 1829.173+/-0.266 χ^2/NDF:652907.4/39

All: 1824.767+/-0.189 χ^2/NDF: 1406309.3/75



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: -442.885+/-1103.724 χ^2/NDF:11.8/19

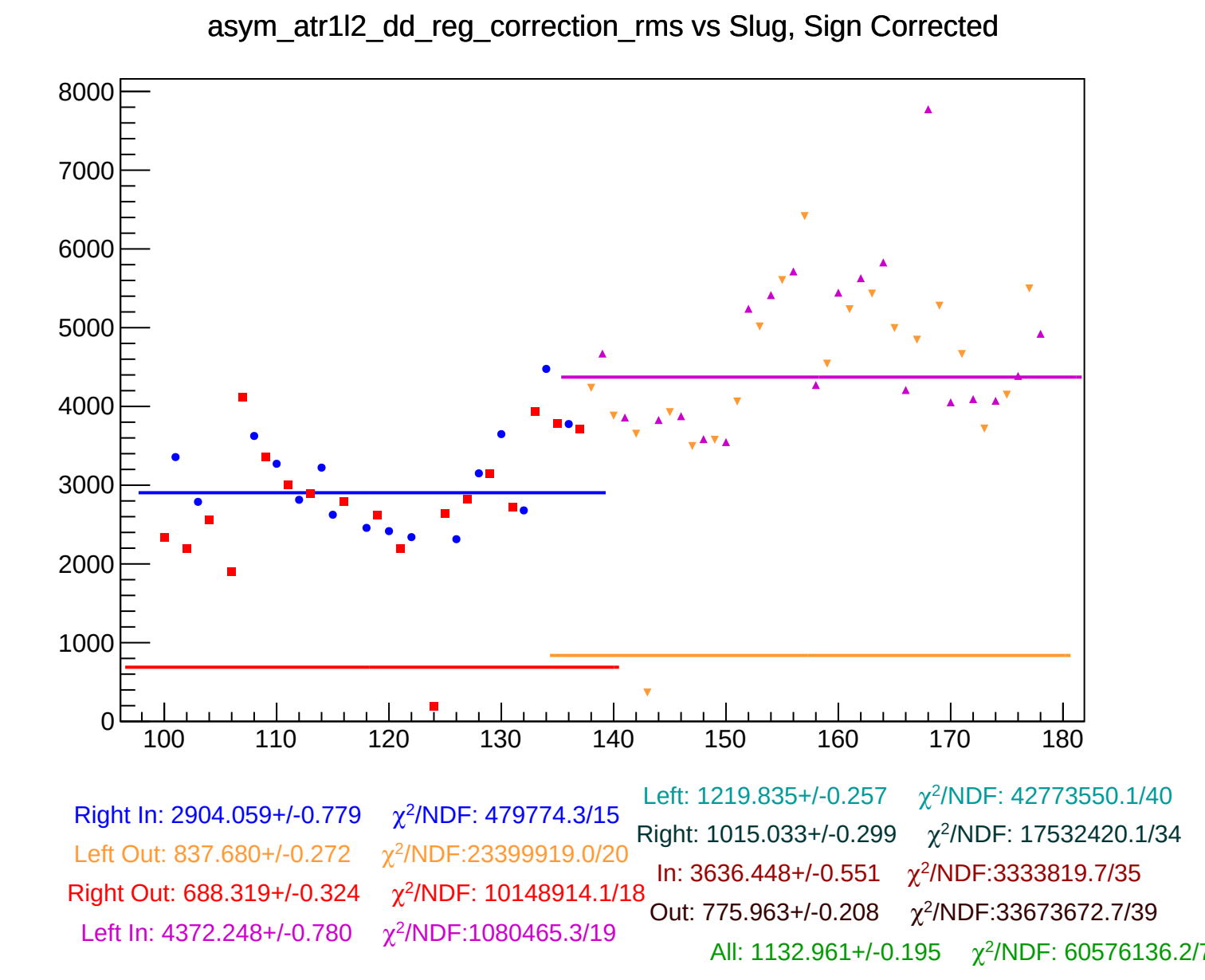
Left: 158.749+/-362.921 χ^2/NDF: 39.3/40

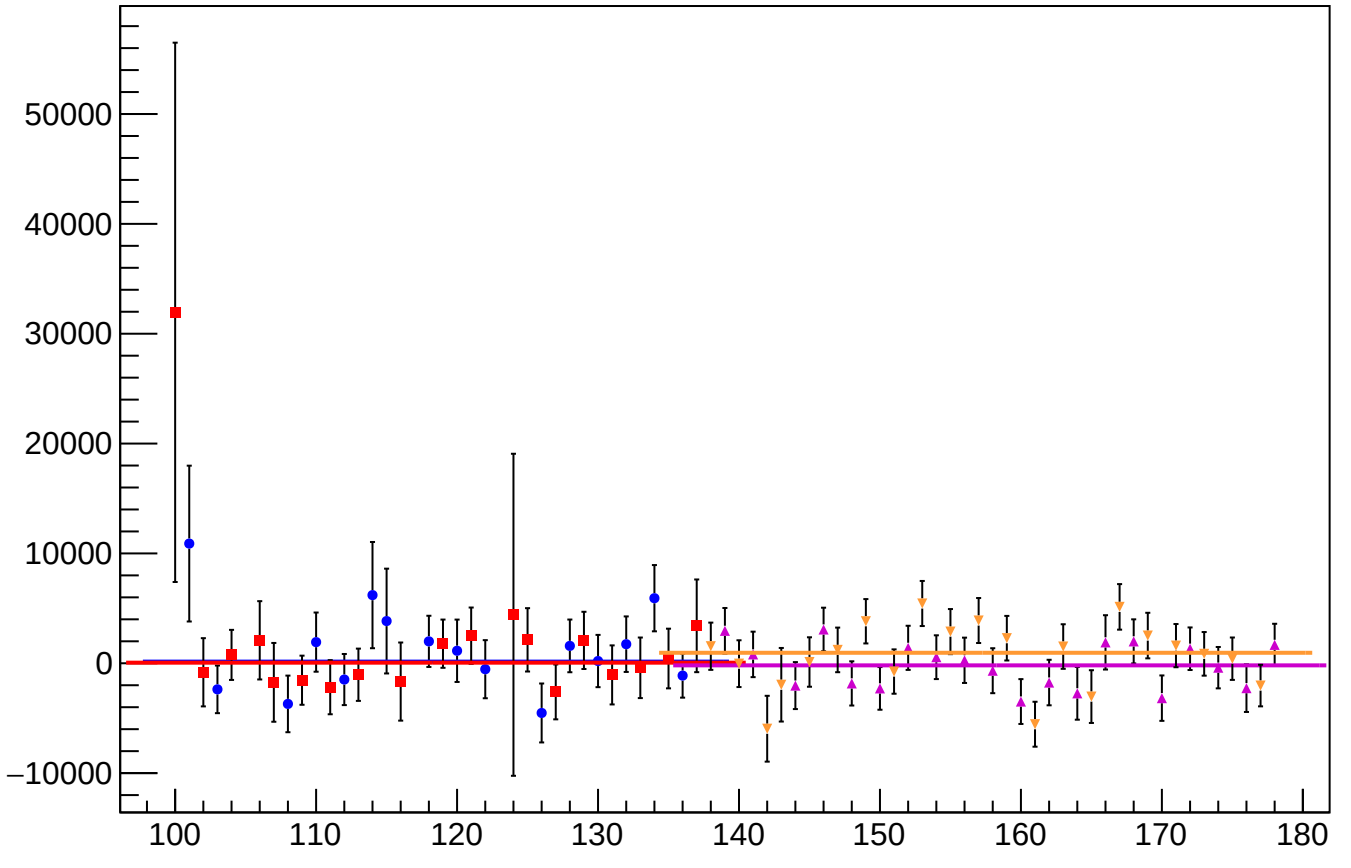
Right: 360.479+/-422.840 χ^2/NDF: 34.1/34

In: 60.895+/-779.543 χ^2/NDF:27.0/35

Out: 270.477+/-294.375 χ^2/NDF:46.5/39

All: 244.320+/-275.393 χ^2/NDF: 73.5/75


asym_atr1l2_dd_reg_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: 2904.059+/-0.779 χ²/NDF: 479774.3/15
Left Out: 837.680+/-0.272 χ²/NDF:23399919.0/20
Right Out: 688.319+/-0.324 χ²/NDF: 10148914.1/18
Left In: 4372.248+/-0.780 χ²/NDF:1080465.3/19
Left: 1219.835+/-0.257 χ²/NDF: 42773550.1/40
Right: 1015.033+/-0.299 χ²/NDF: 17532420.1/34
In: 3636.448+/-0.551 χ²/NDF:3333819.7/35
Out: 775.963+/-0.208 χ²/NDF:33673672.7/39
All: 1132.961+/-0.195 χ²/NDF: 60576136.2/7



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 954.802+/-461.031 χ^2/NDF:37.7/20

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: -190.780+/-458.872 χ^2/NDF:19.5/19

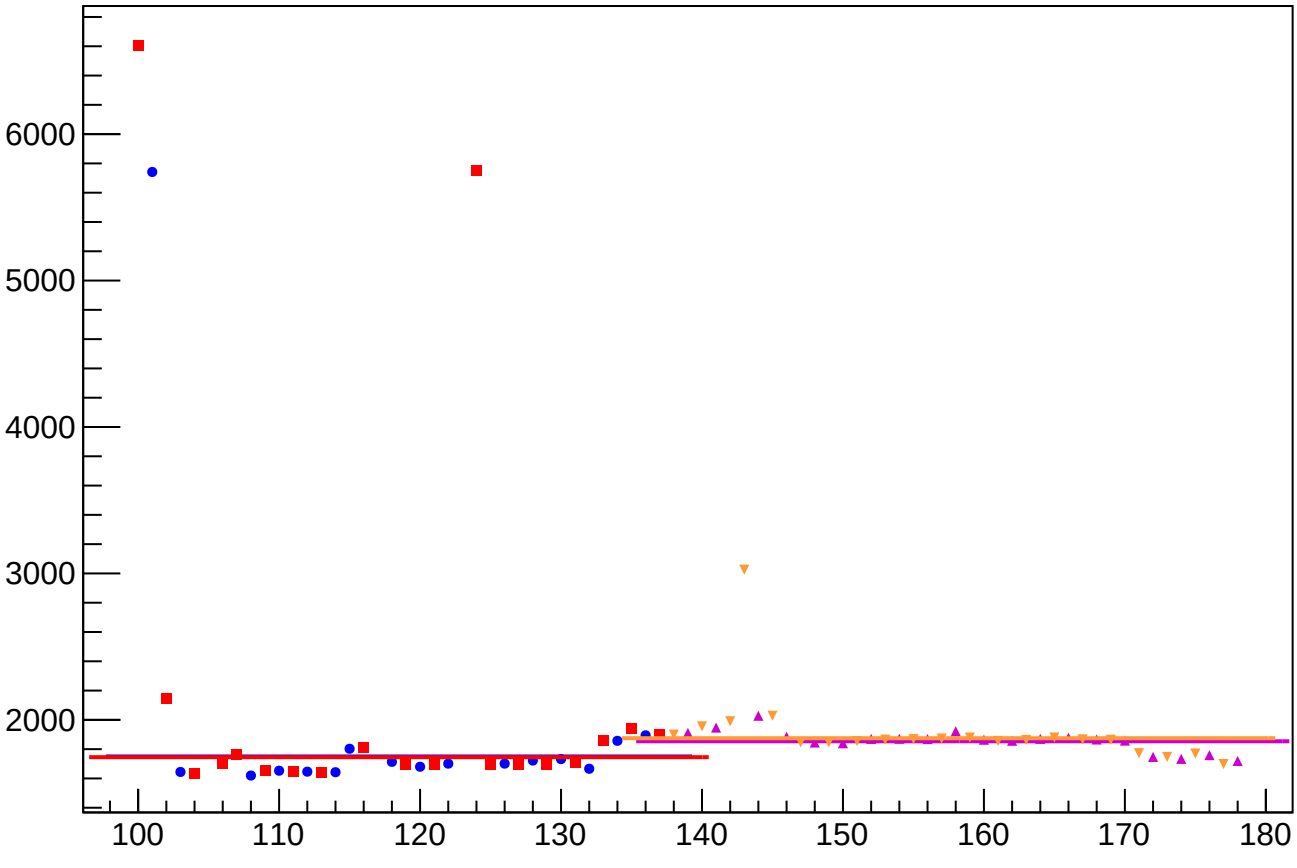
Left: 379.322+/-325.232 χ^2/NDF: 60.2/40

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: -81.229+/-378.053 χ^2/NDF:37.3/35

Out: 656.586+/-377.056 χ^2/NDF:47.9/39

All: 288.652+/-266.971 χ^2/NDF: 87.1/75



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: 1853.656+/-0.324 χ^2/NDF:50405.0/19

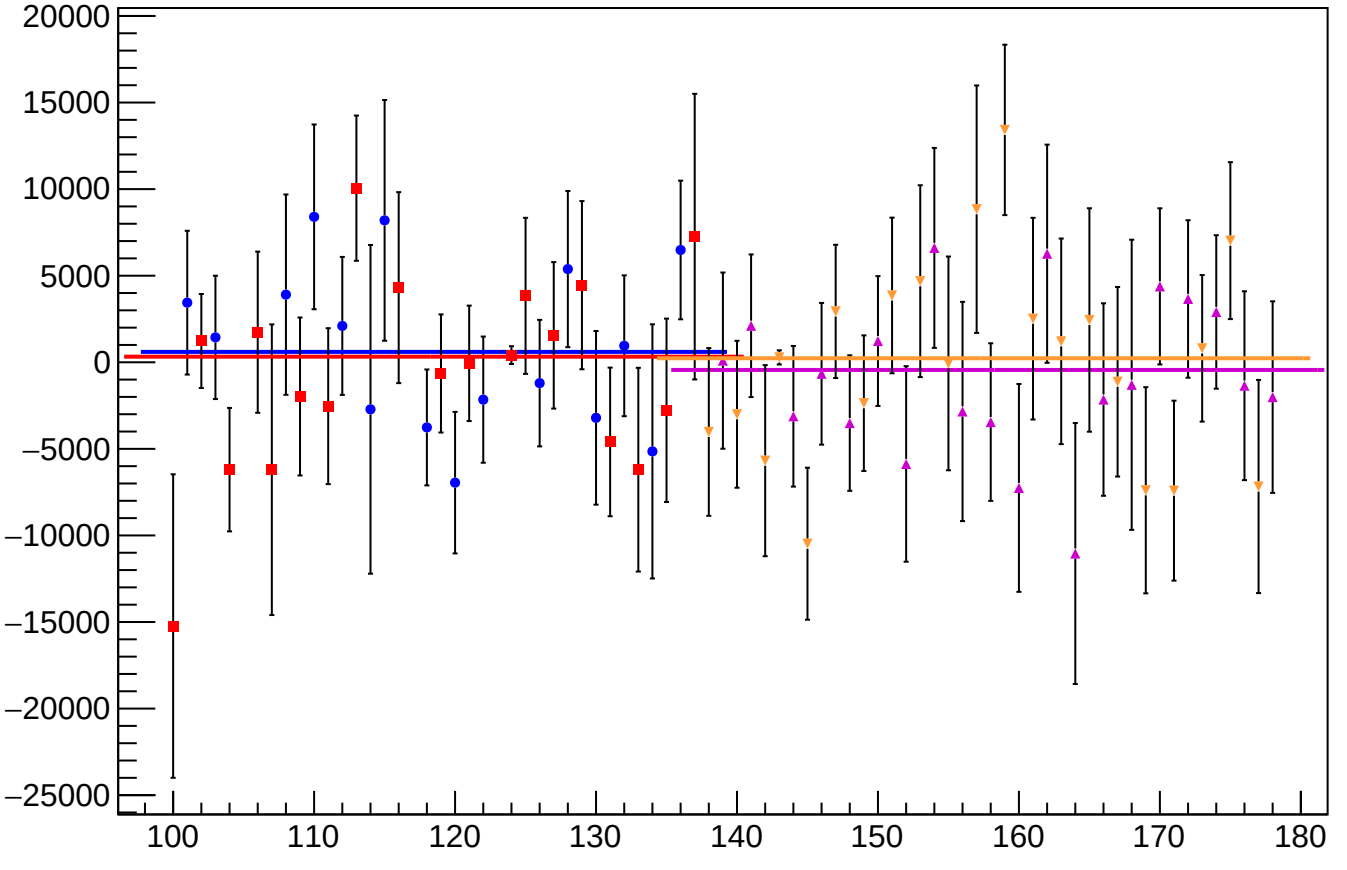
Left: 1864.143+/-0.230 χ^2/NDF: 342521.1/40

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1820.315+/-0.267 χ^2/NDF:752850.5/35

Out: 1831.620+/-0.266 χ^2/NDF:640540.6/39

All: 1825.990+/-0.189 χ^2/NDF: 1394288.8/75



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: -442.942+/-1103.721 χ^2/NDF:11.8/19

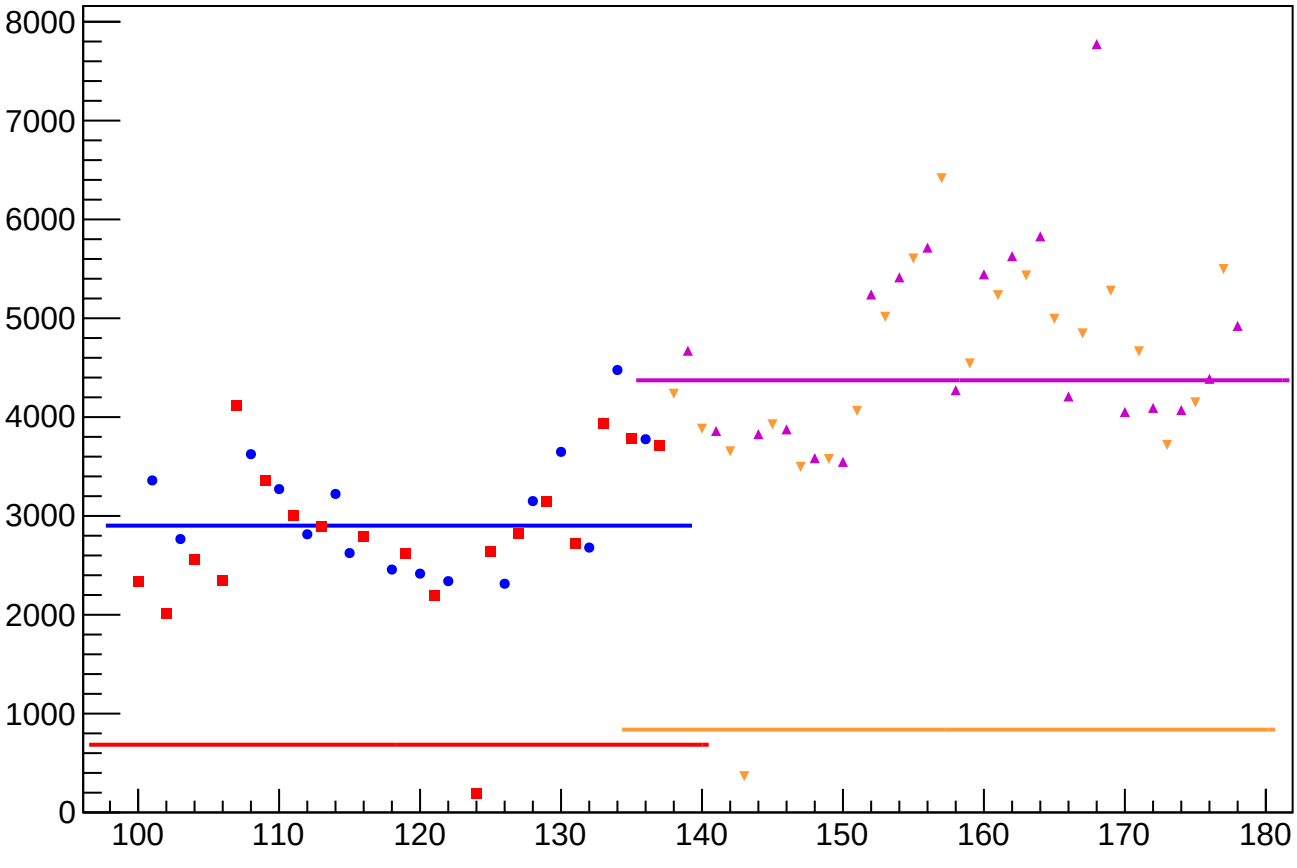
Left: 159.551+/-362.946 χ^2/NDF: 39.3/40

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 80.332+/-779.174 χ^2/NDF:27.1/35

Out: 269.938+/-294.631 χ^2/NDF:46.2/39

All: 246.219+/-275.587 χ^2/NDF: 73.4/75



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: 4372.238+/-0.780 χ^2/NDF:1080480.4/19

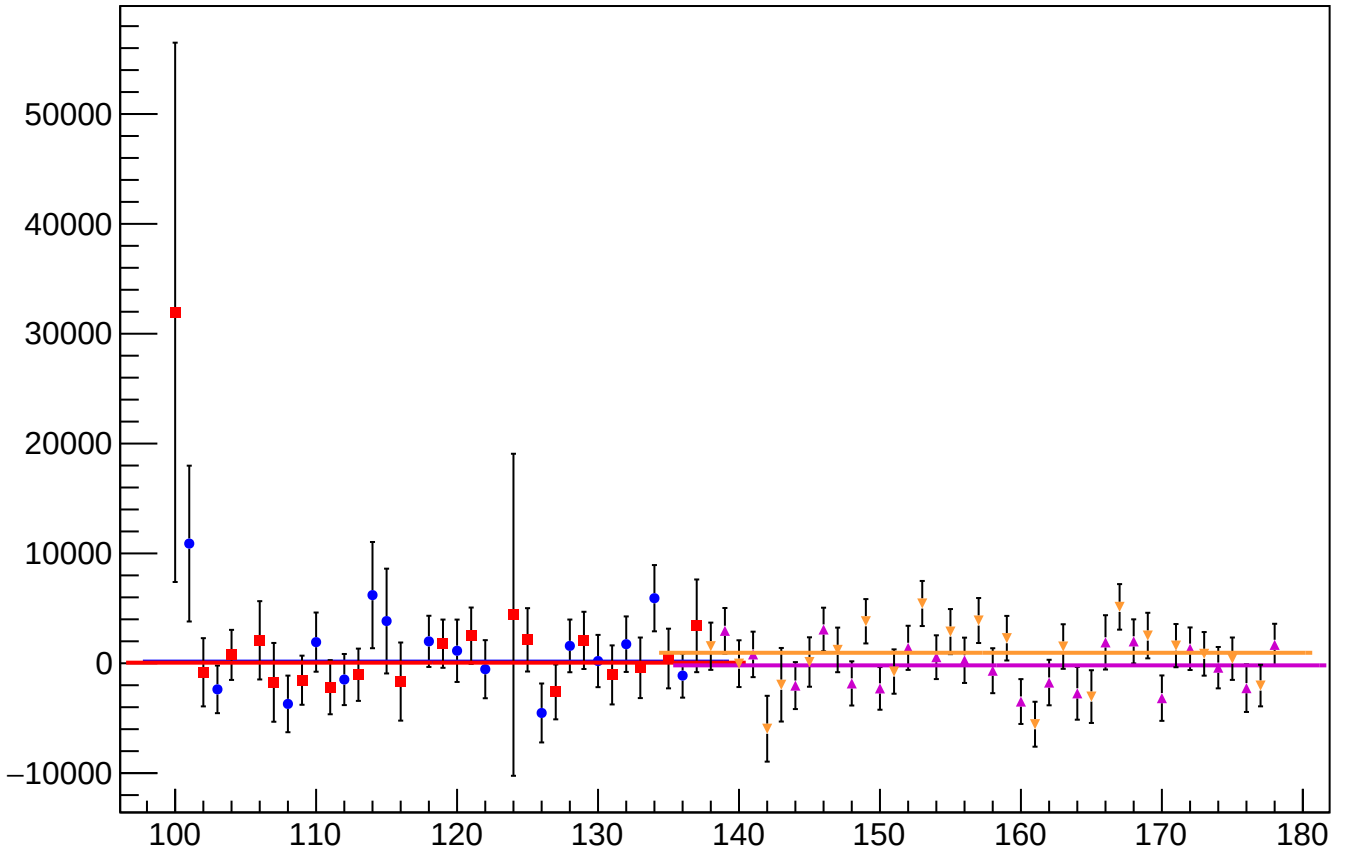
Left: 1219.987+/-0.257 χ^2/NDF: 42771153.2/40

Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3634.650+/-0.551 χ^2/NDF:3341960.4/35

Out: 774.903+/-0.208 χ^2/NDF:33634675.6/39

All: 1132.649+/-0.195 χ^2/NDF: 60547517.8/7



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 954.802+/-461.031 χ^2/NDF:37.7/20

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: -190.780+/-458.872 χ^2/NDF:19.5/19

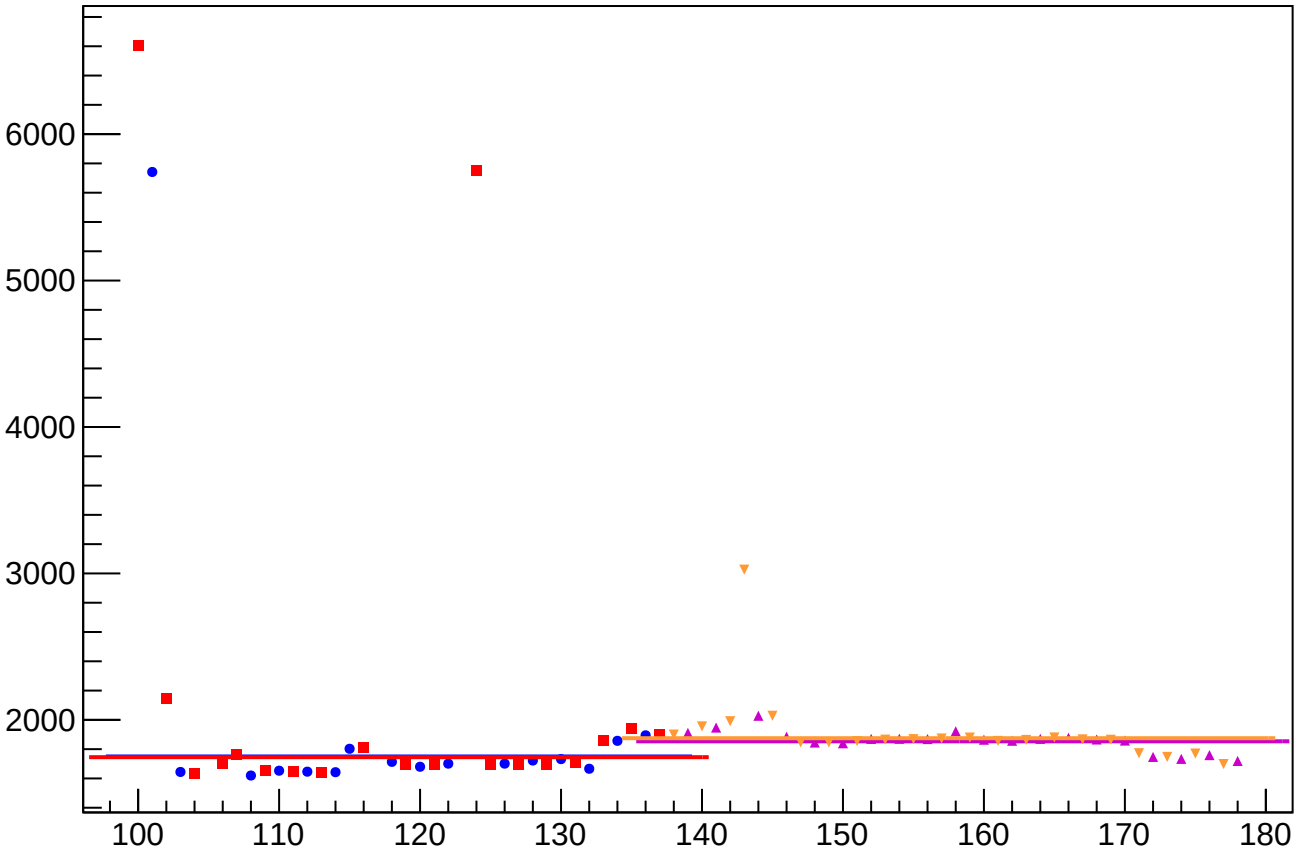
Left: 379.322+/-325.232 χ^2/NDF: 60.2/40

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: -81.229+/-378.053 χ^2/NDF:37.3/35

Out: 656.586+/-377.056 χ^2/NDF:47.9/39

All: 288.652+/-266.971 χ^2/NDF: 87.1/75



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: 1853.656+/-0.324 χ^2/NDF:50405.0/19

Left: 1864.143+/-0.230 χ^2/NDF: 342521.1/40

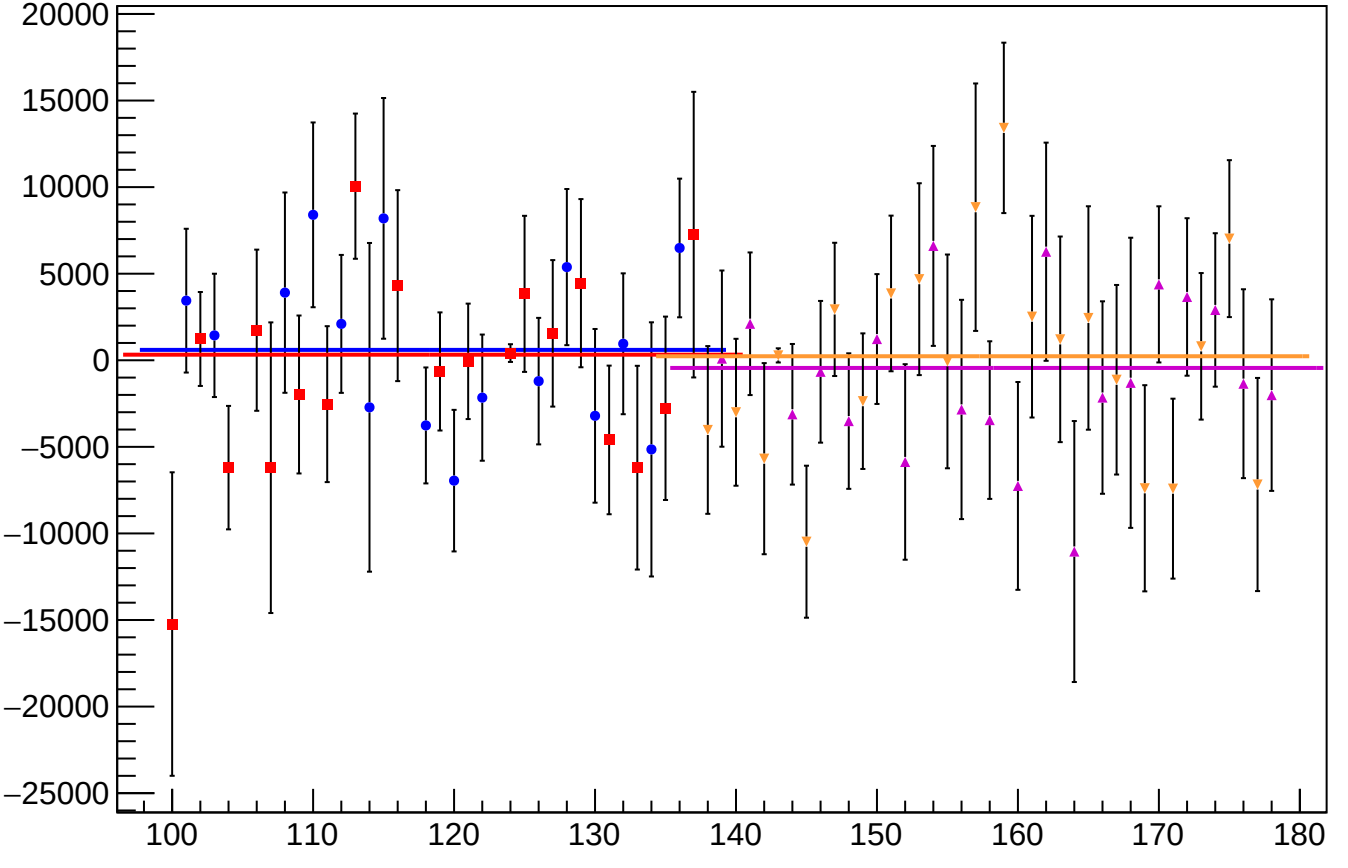
Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1820.315+/-0.267 χ^2/NDF:752850.5/35

Out: 1831.620+/-0.266 χ^2/NDF:640540.6/39

All: 1825.990+/-0.189 χ^2/NDF: 1394288.8/75

asym_atr1l2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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: -442.942+/-1103.721 χ^2/NDF:11.8/19

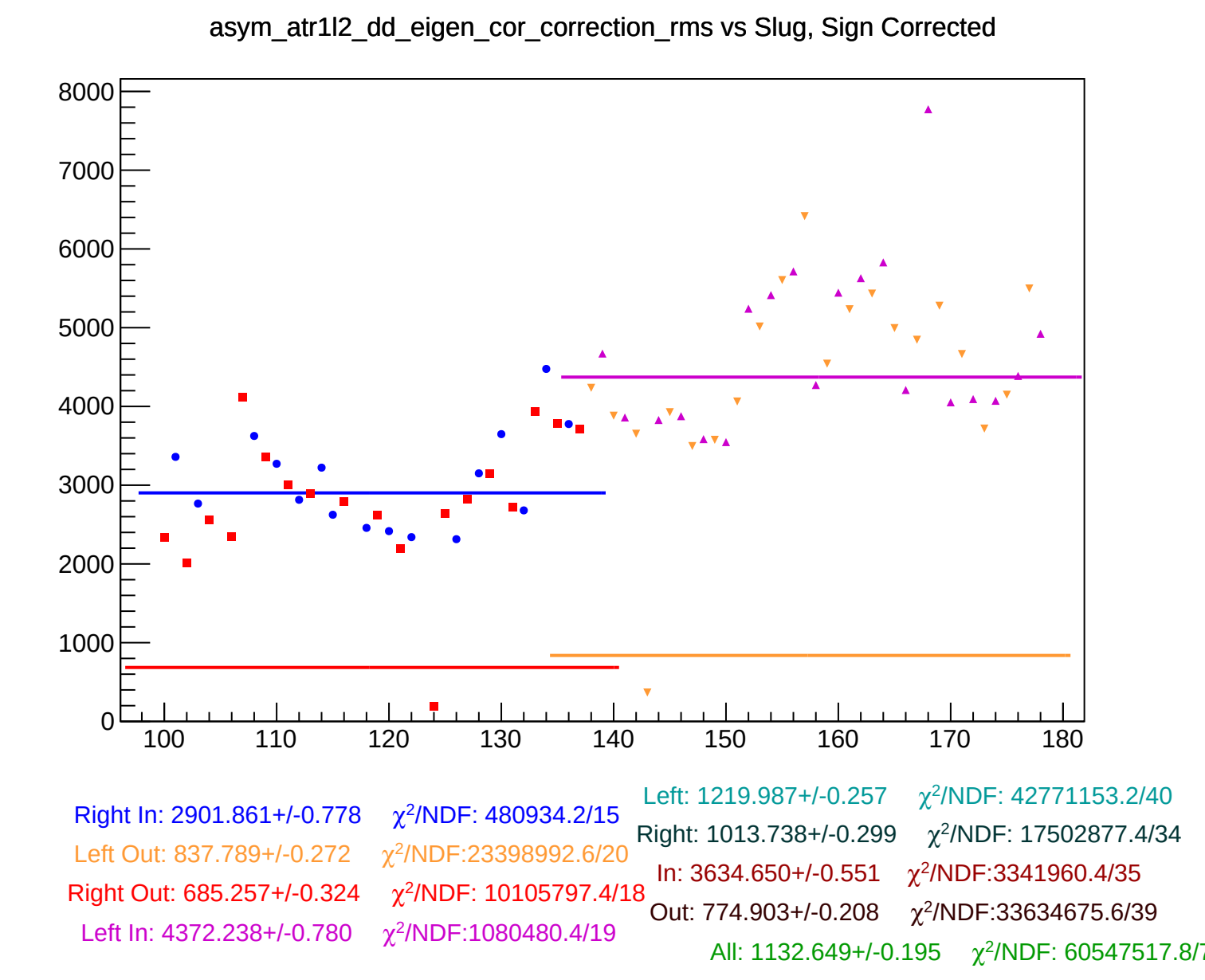
Left: 159.551+/-362.946 χ^2/NDF: 39.3/40

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

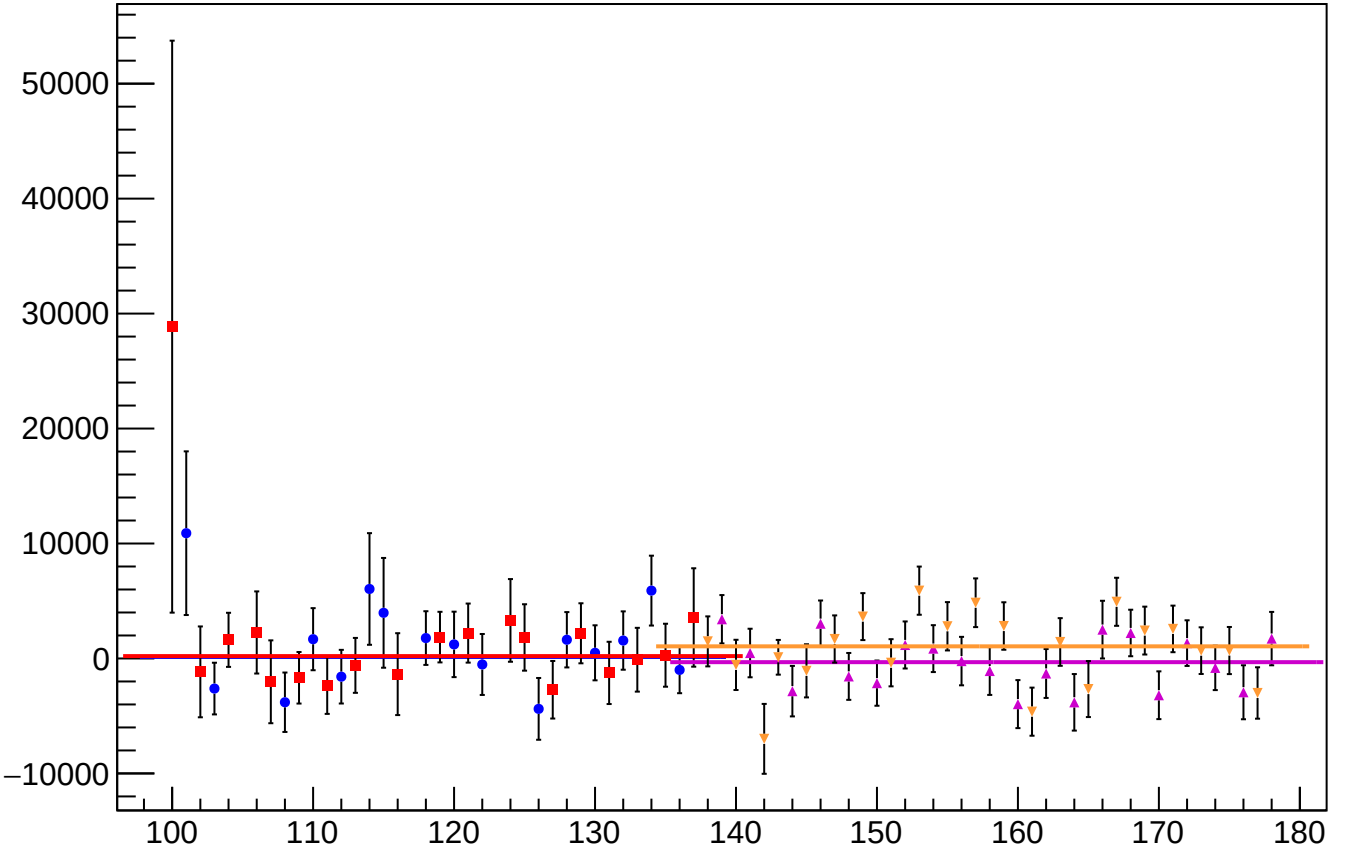
In: 80.332+/-779.174 χ^2/NDF:27.1/35

Out: 269.938+/-294.631 χ^2/NDF:46.2/39

All: 246.219+/-275.587 χ^2/NDF: 73.4/75


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: 4372.238+/-0.780 χ²/NDF:1080480.4/19
Left: 1219.987+/-0.257 χ²/NDF: 42771153.2/40
Right: 1013.738+/-0.299 χ²/NDF: 17502877.4/34
In: 3634.650+/-0.551 χ²/NDF:3341960.4/35
Out: 774.903+/-0.208 χ²/NDF:33634675.6/39
All: 1132.649+/-0.195 χ²/NDF: 60547517.8/7

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: -320.950+/-472.645 χ^2/NDF:22.4/19

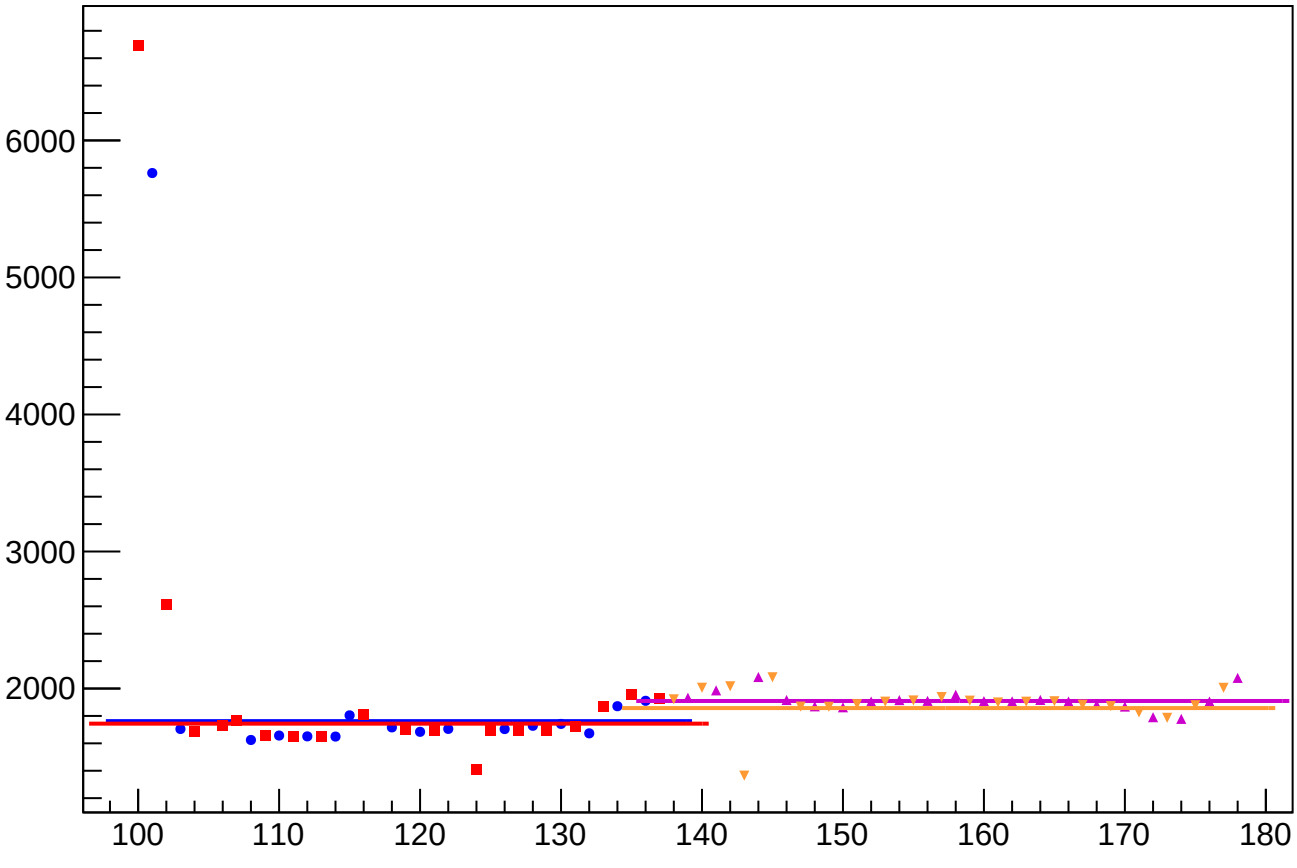
Left: 390.955+/-328.422 χ^2/NDF: 65.3/40

Right: 170.558+/-468.717 χ^2/NDF: 27.0/34

In: -170.317+/-386.526 χ^2/NDF:40.0/35

Out: 777.172+/-374.512 χ^2/NDF:49.4/39

All: 318.381+/-268.967 χ^2/NDF: 92.5/75



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: 1909.174+/-0.334 χ^2/NDF:46416.9/19

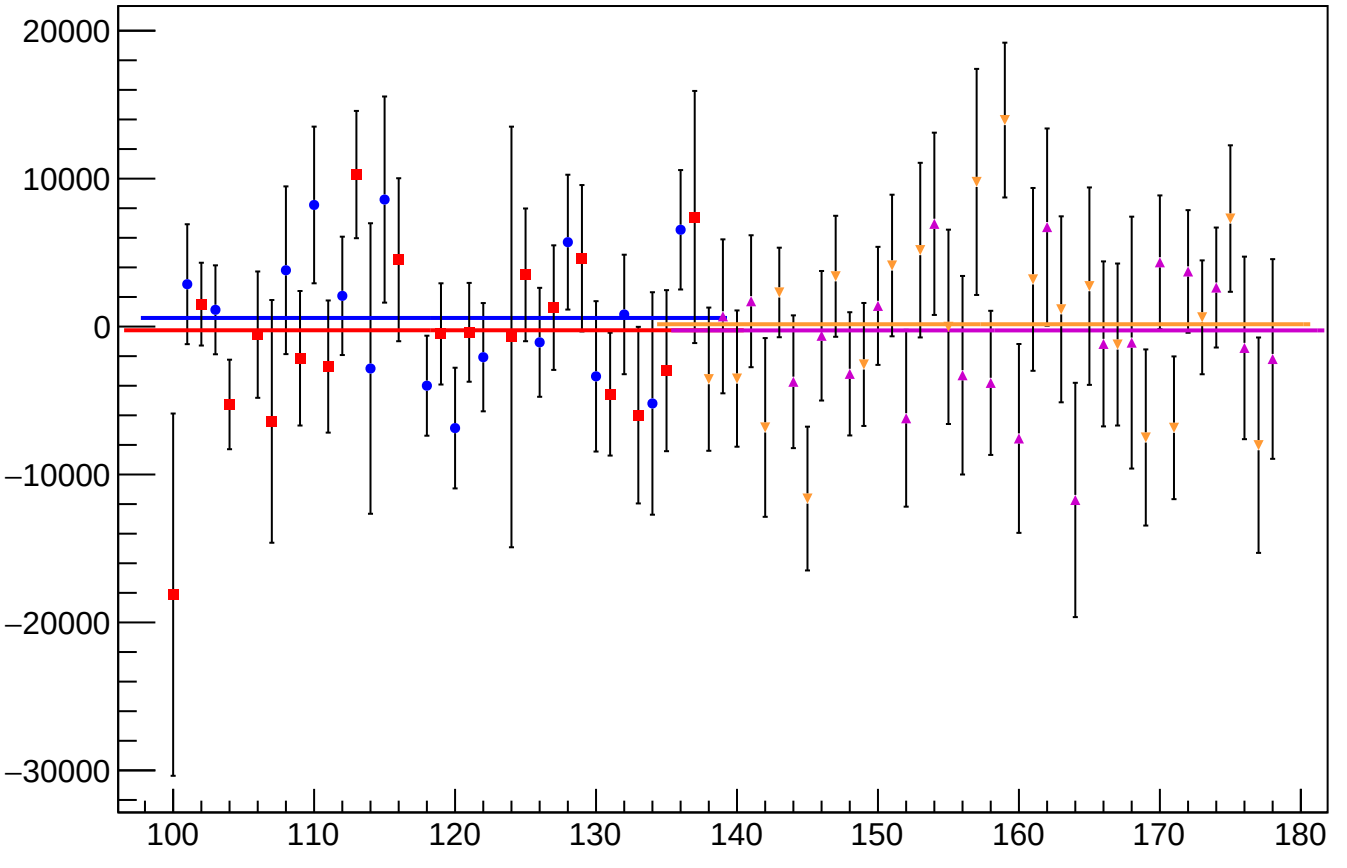
Left: 1882.361+/-0.232 χ^2/NDF: 329510.5/40

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1860.445+/-0.273 χ^2/NDF:778296.9/35

Out: 1819.981+/-0.265 χ^2/NDF:539100.1/39

All: 1839.555+/-0.190 χ^2/NDF: 1328712.2/75



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: -259.644+/-1152.156 χ^2/NDF:11.7/19

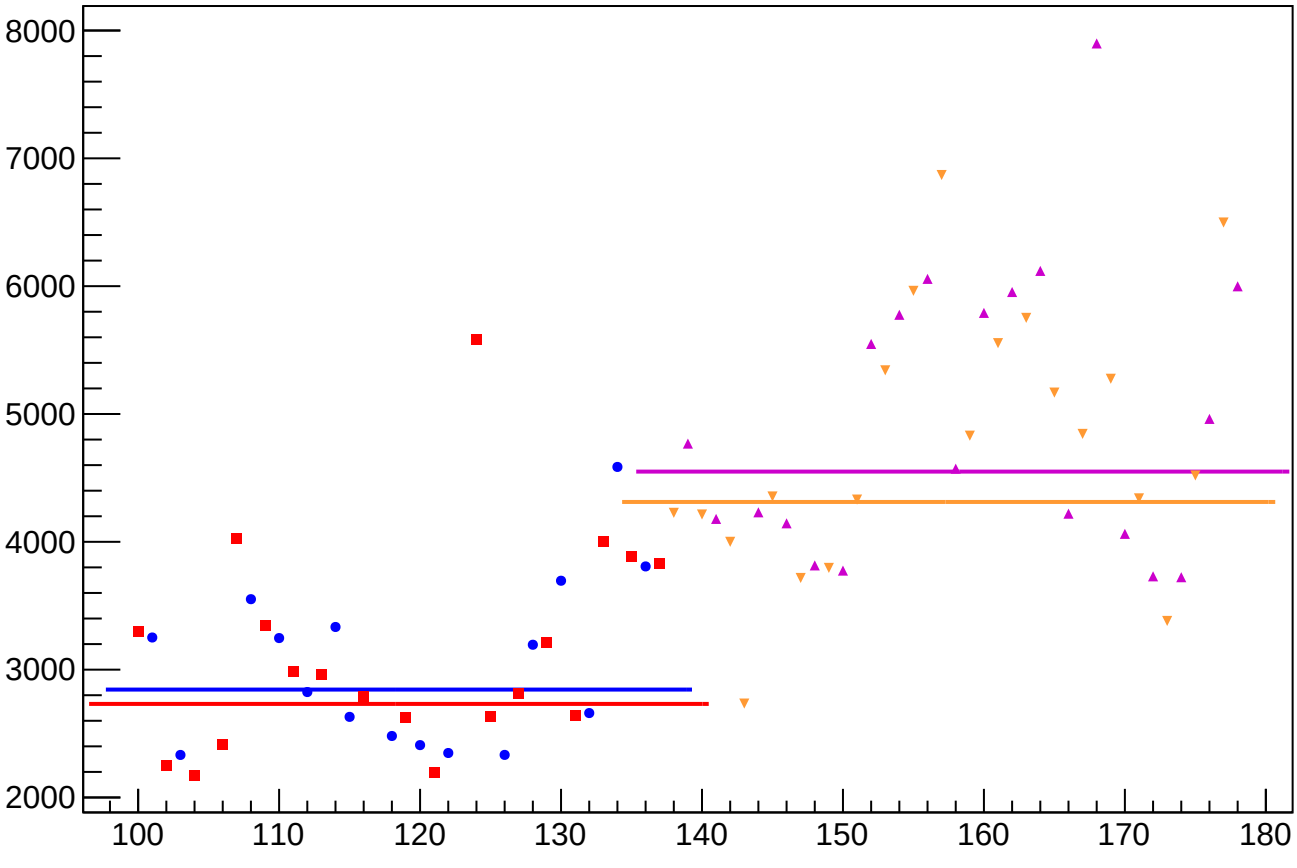
Left: -39.449+/-791.927 χ^2/NDF: 39.3/40

Right: 142.078+/-742.422 χ^2/NDF: 33.1/34

In: 187.901+/-788.525 χ^2/NDF:26.9/35

Out: -59.617+/-745.260 χ^2/NDF:45.5/39

All: 57.165+/-541.628 χ^2/NDF: 72.5/75



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: 4549.409+/-0.815 χ^2/NDF:1263265.7/19

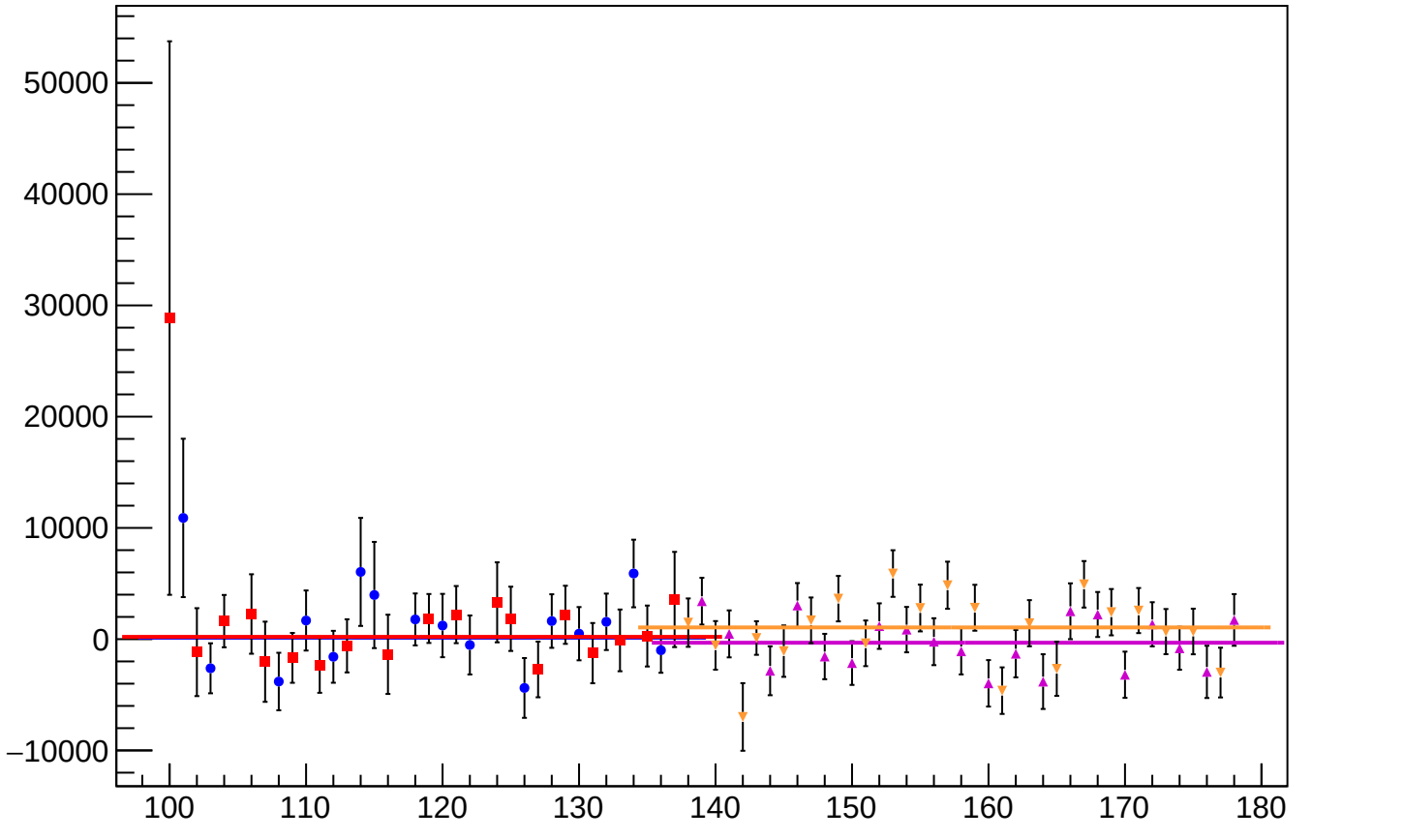
Left: 4424.127+/-0.560 χ^2/NDF: 2953188.3/40

Right: 2784.841+/-0.525 χ^2/NDF: 1164684.5/34

In: 3642.878+/-0.558 χ^2/NDF:4134352.2/35

Out: 3470.155+/-0.527 χ^2/NDF:4493931.7/39

All: 3551.648+/-0.383 χ^2/NDF: 8678969.7/75



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: -320.952+/-472.646 χ^2/NDF:22.4/19

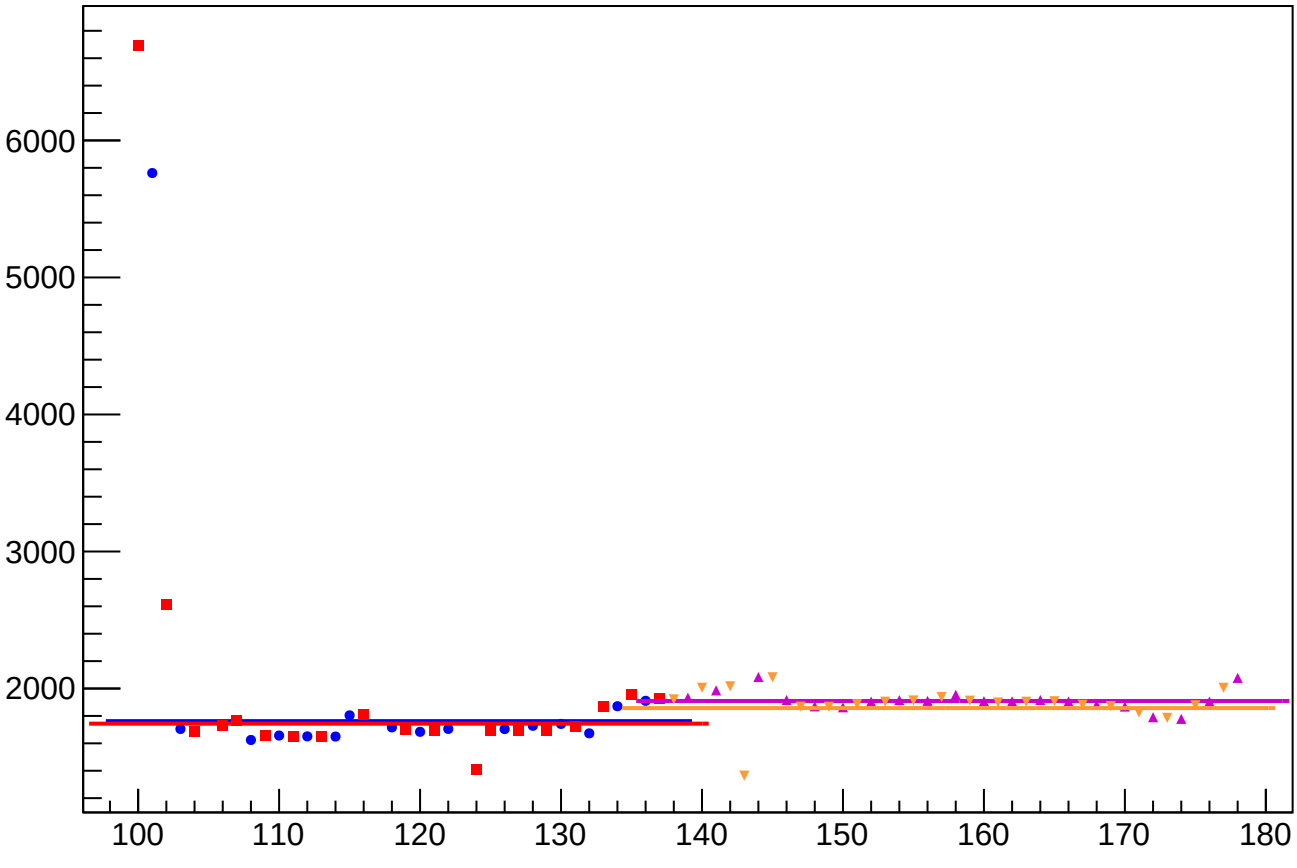
Left: 390.955+/-328.422 χ^2/NDF: 65.3/40

Right: 170.557+/-468.717 χ^2/NDF: 27.0/34

In: -170.319+/-386.526 χ^2/NDF:40.0/35

Out: 777.173+/-374.513 χ^2/NDF:49.4/39

All: 318.380+/-268.967 χ^2/NDF: 92.5/75



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: 1909.175+/-0.334 χ^2/NDF:46419.0/19

Left: 1882.362+/-0.232 χ^2/NDF: 329515.2/40

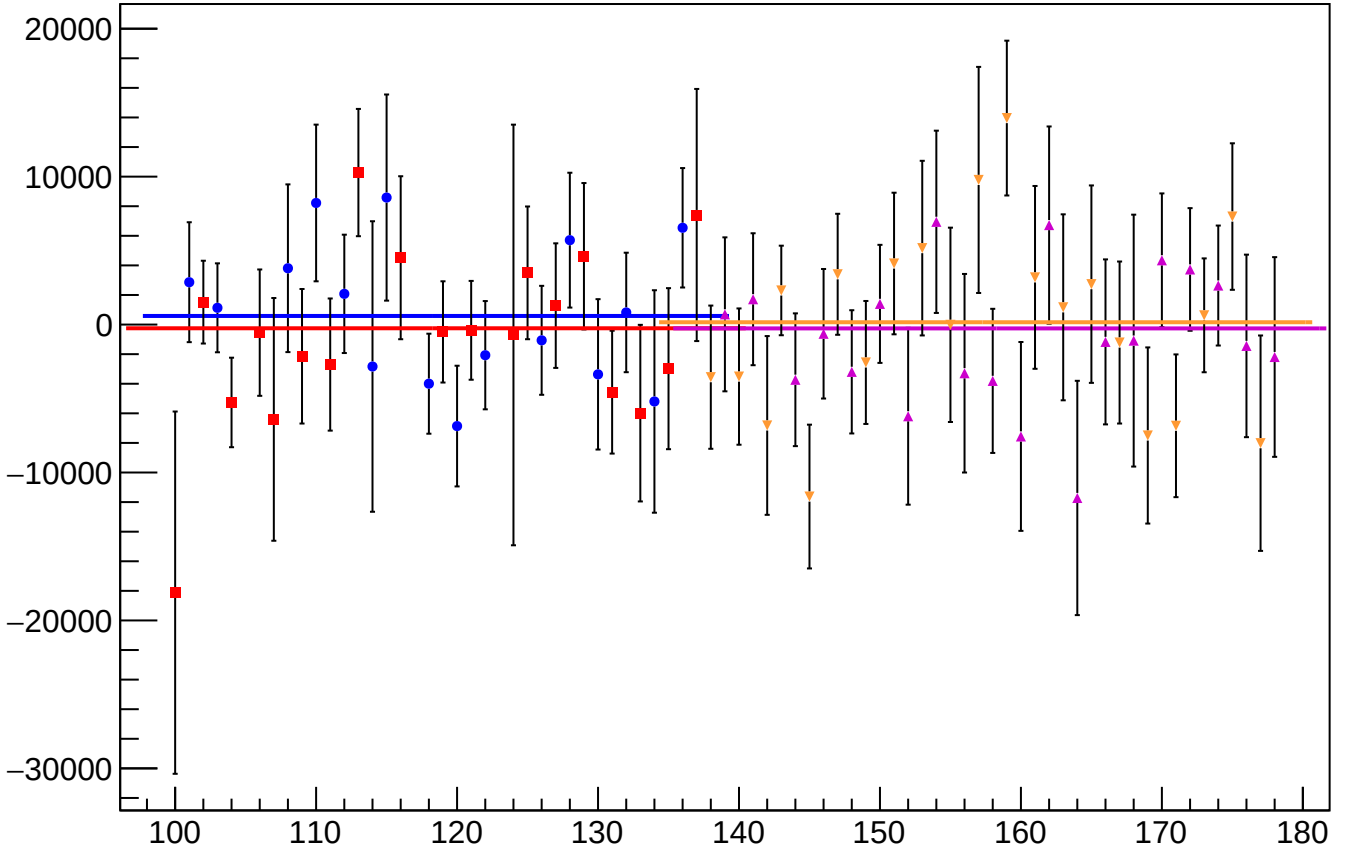
Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1860.445+/-0.273 χ^2/NDF:778299.7/35

Out: 1819.982+/-0.265 χ^2/NDF:539103.2/39

All: 1839.556+/-0.190 χ^2/NDF: 1328718.2/75

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: -259.645+/-1152.158 χ^2/NDF:11.7/19

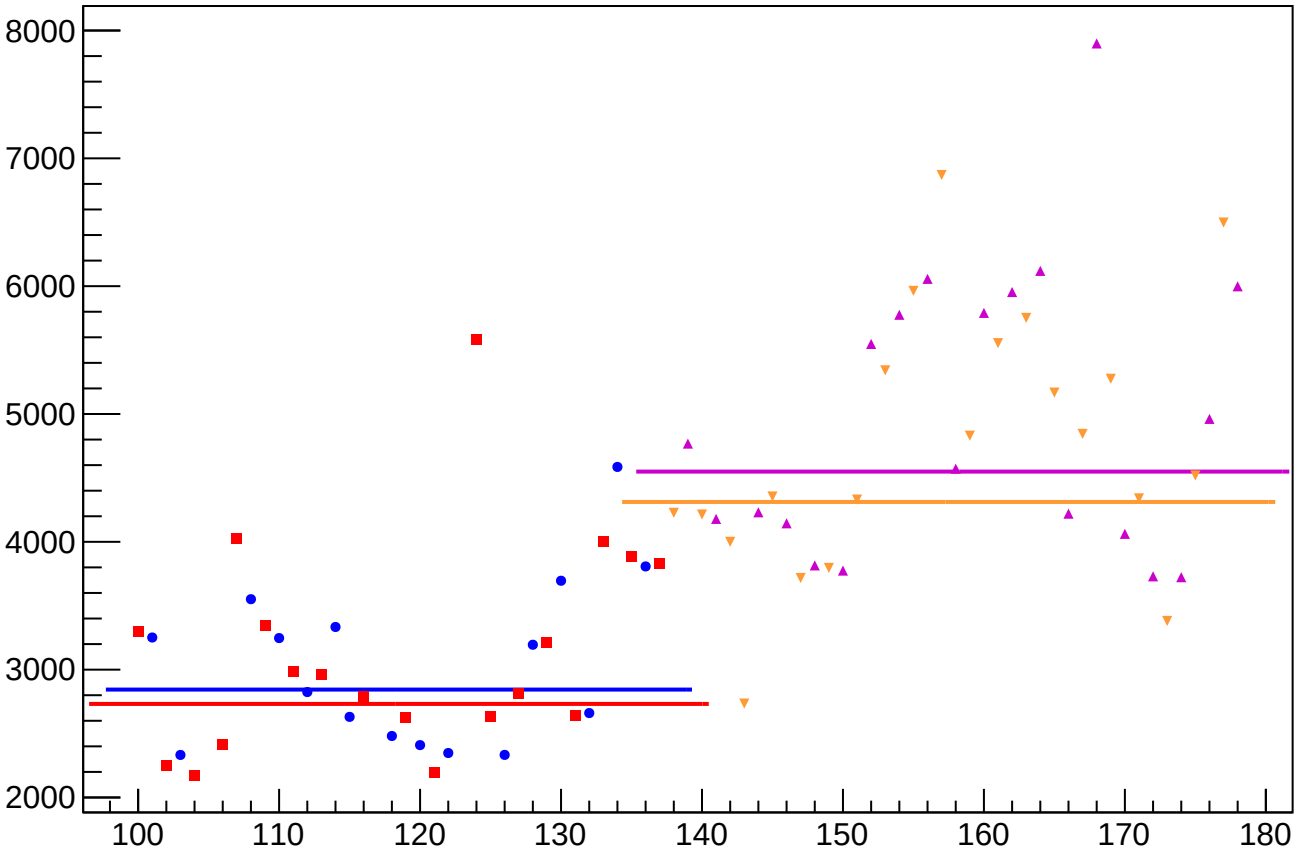
Left: -39.448+/-791.928 χ^2/NDF: 39.3/40

Right: 142.075+/-742.420 χ^2/NDF: 33.1/34

In: 187.899+/-788.524 χ^2/NDF:26.9/35

Out: -59.617+/-745.259 χ^2/NDF:45.5/39

All: 57.165+/-541.627 χ^2/NDF: 72.5/75



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: 4549.417+/-0.815 χ^2/NDF:1263265.8/19

Left: 4424.135+/-0.560 χ^2/NDF: 2953192.7/40

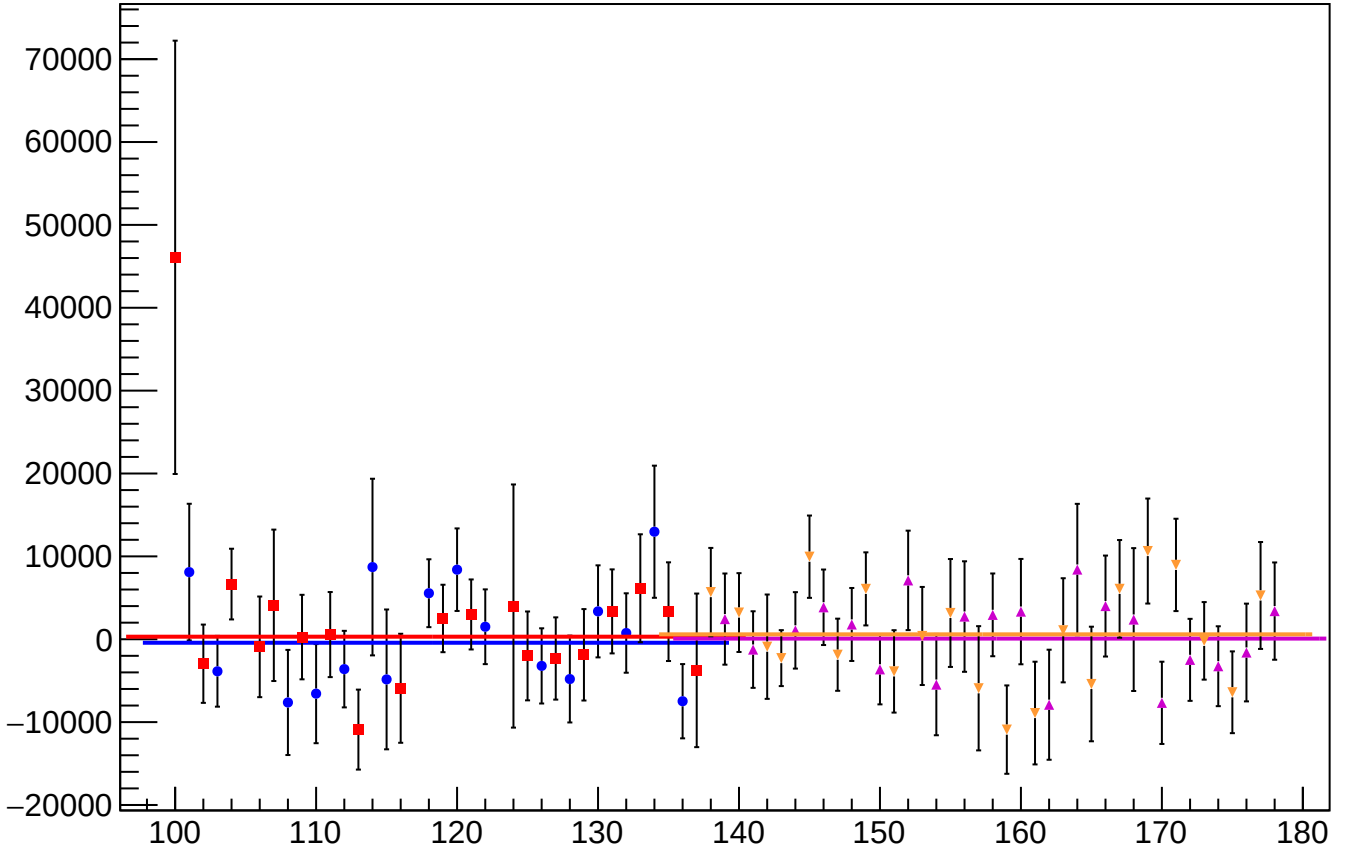
Right: 2784.835+/-0.525 χ^2/NDF: 1164685.2/34

In: 3642.874+/-0.558 χ^2/NDF:4134399.9/35

Out: 3470.152+/-0.527 χ^2/NDF:4493969.0/39

All: 3551.645+/-0.383 χ^2/NDF: 8679054.1/75

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: 78.231+/-1207.570 χ^2/NDF:11.5/19

Left: 347.090+/-834.063 χ^2/NDF: 36.7/40

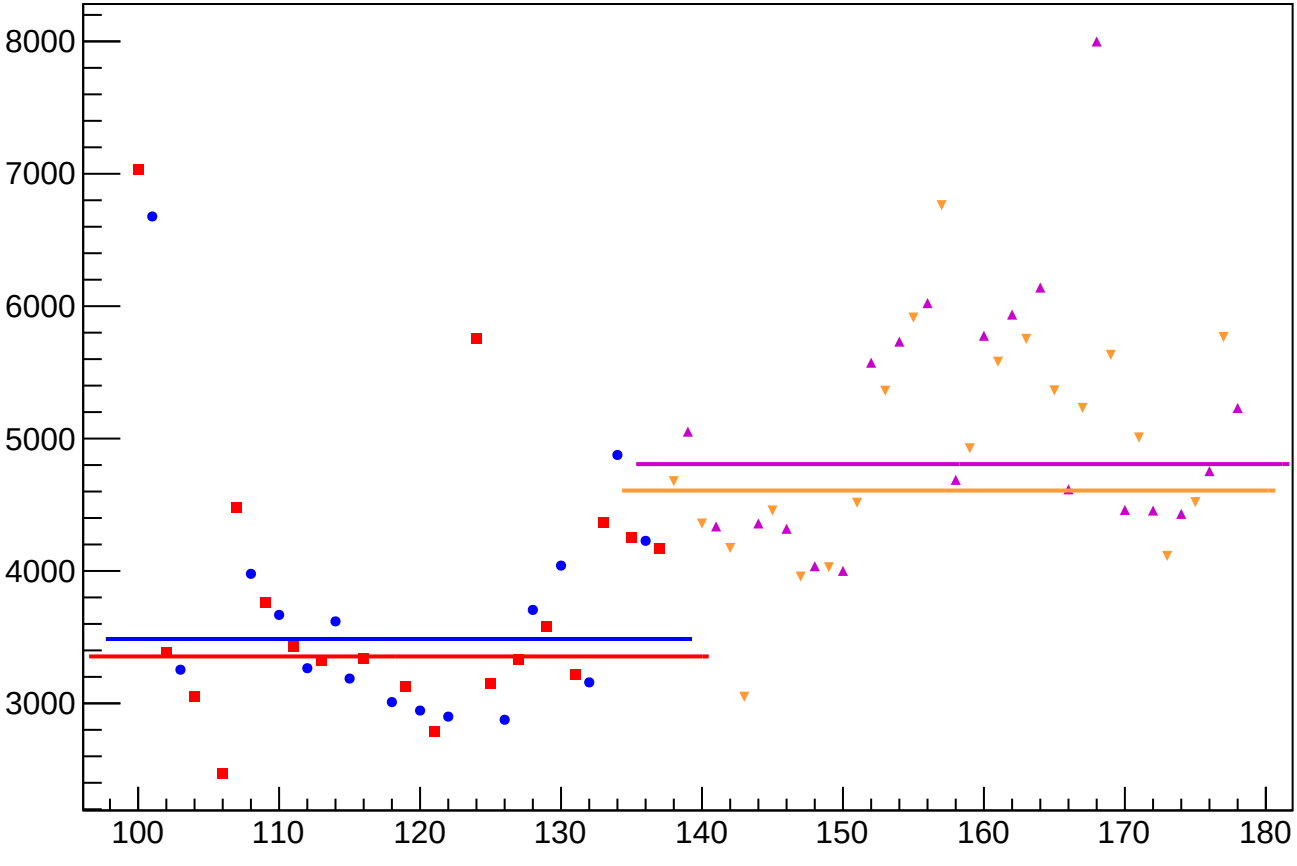
Right: -43.186+/-919.750 χ^2/NDF: 33.3/34

In: -148.830+/-893.204 χ^2/NDF:29.5/35

Out: 464.385+/-855.553 χ^2/NDF:40.4/39

All: 170.974+/-617.849 χ^2/NDF: 70.1/75

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: 4807.212+/-0.854 χ^2/NDF:826649.2/19

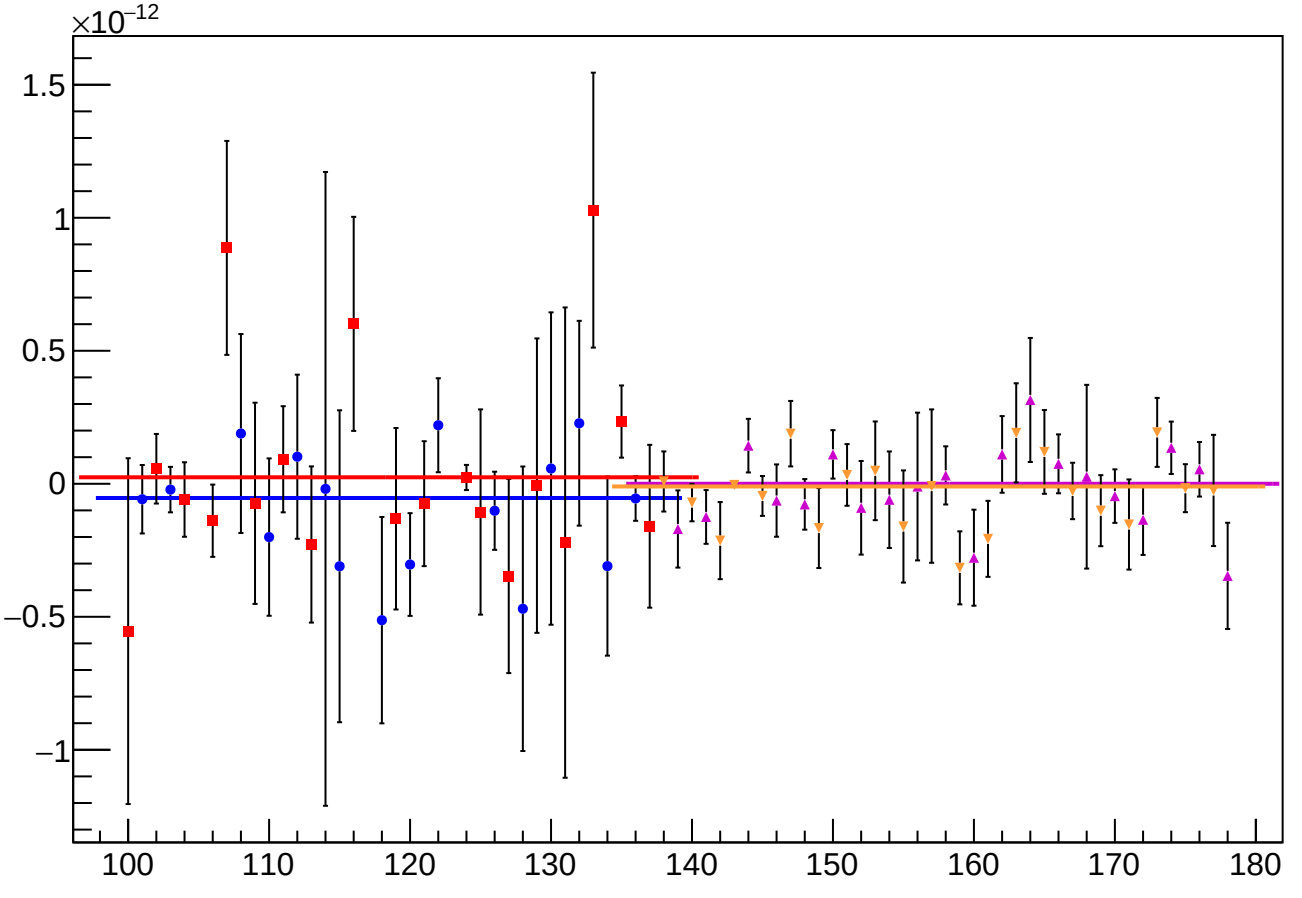
Left: 4702.800+/-0.590 χ^2/NDF: 1975877.8/40

Right: 3416.767+/-0.646 χ^2/NDF: 982597.4/34

In: 4208.926+/-0.632 χ^2/NDF:2506446.5/35

Out: 4035.221+/-0.601 χ^2/NDF:2575324.2/39

All: 4117.784+/-0.435 χ^2/NDF: 5121458.7/75



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:19.4/19

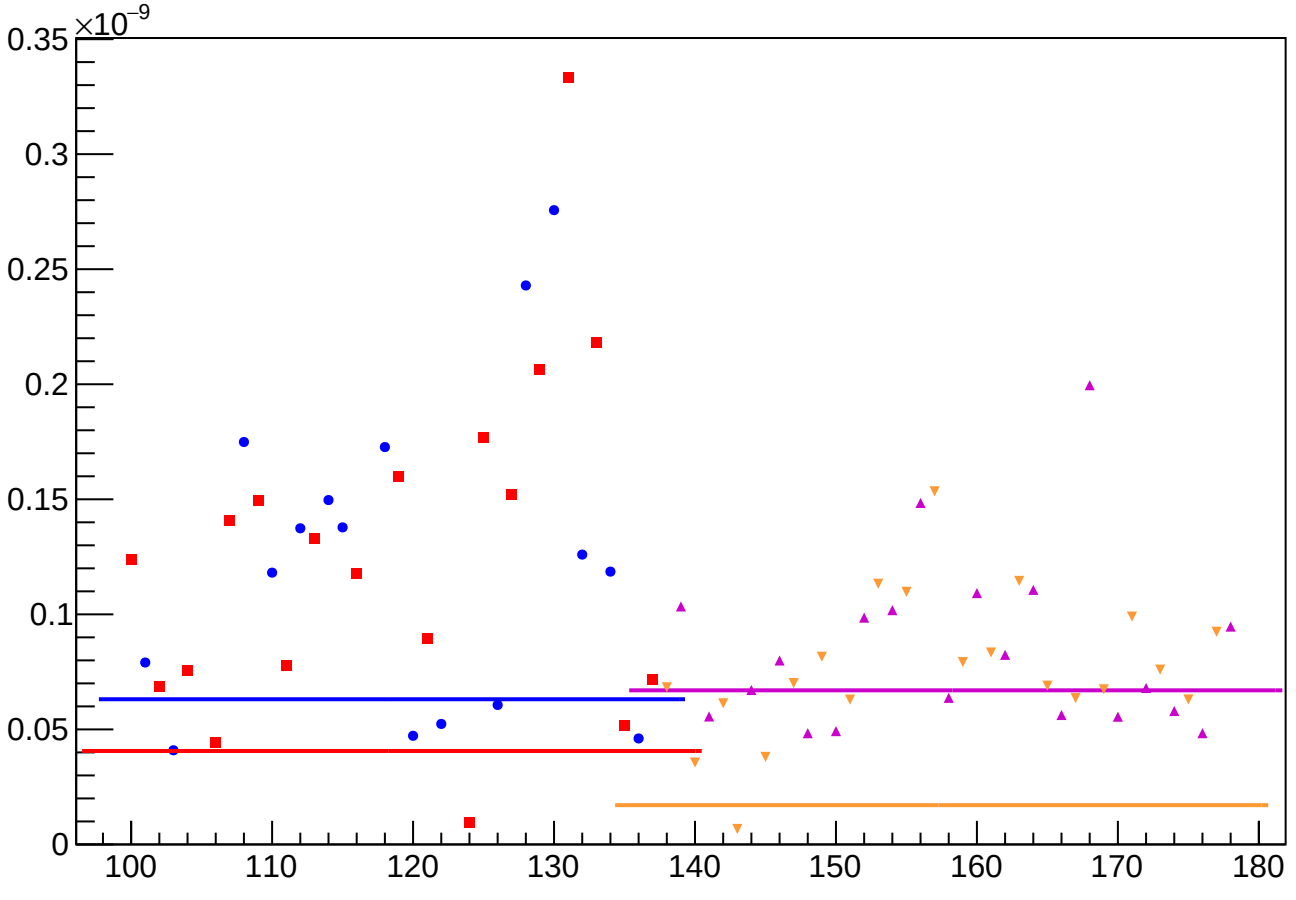
Left: -0.000+/-0.000 χ^2/NDF: 39.5/40

Right: -0.000+/-0.000 χ^2/NDF: 28.8/34

In: -0.000+/-0.000 χ^2/NDF:29.0/35

Out: -0.000+/-0.000 χ^2/NDF:39.2/39

All: -0.000+/-0.000 χ^2/NDF: 68.3/75



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:1297880.2/19

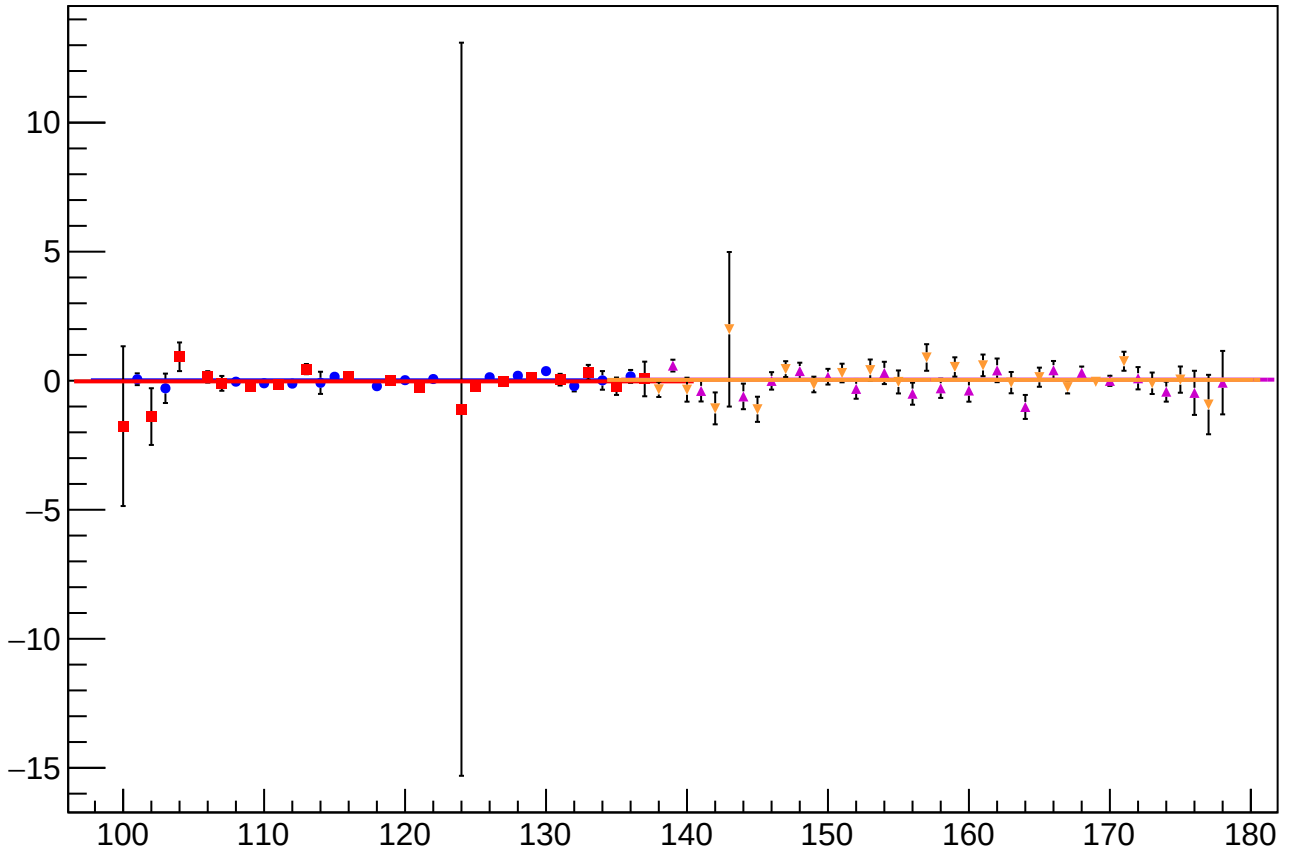
Left: 0.000+/-0.000 χ^2/NDF: 15165496.6/40

Right: 0.000+/-0.000 χ^2/NDF: 4914964.6/34

In: 0.000+/-0.000 χ^2/NDF:2740737.3/35

Out: 0.000+/-0.000 χ^2/NDF:12488851.2/39

All: 0.000+/-0.000 χ^2/NDF: 21486472.4/75



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: 0.041+/-0.078 χ^2/NDF:24.3/19

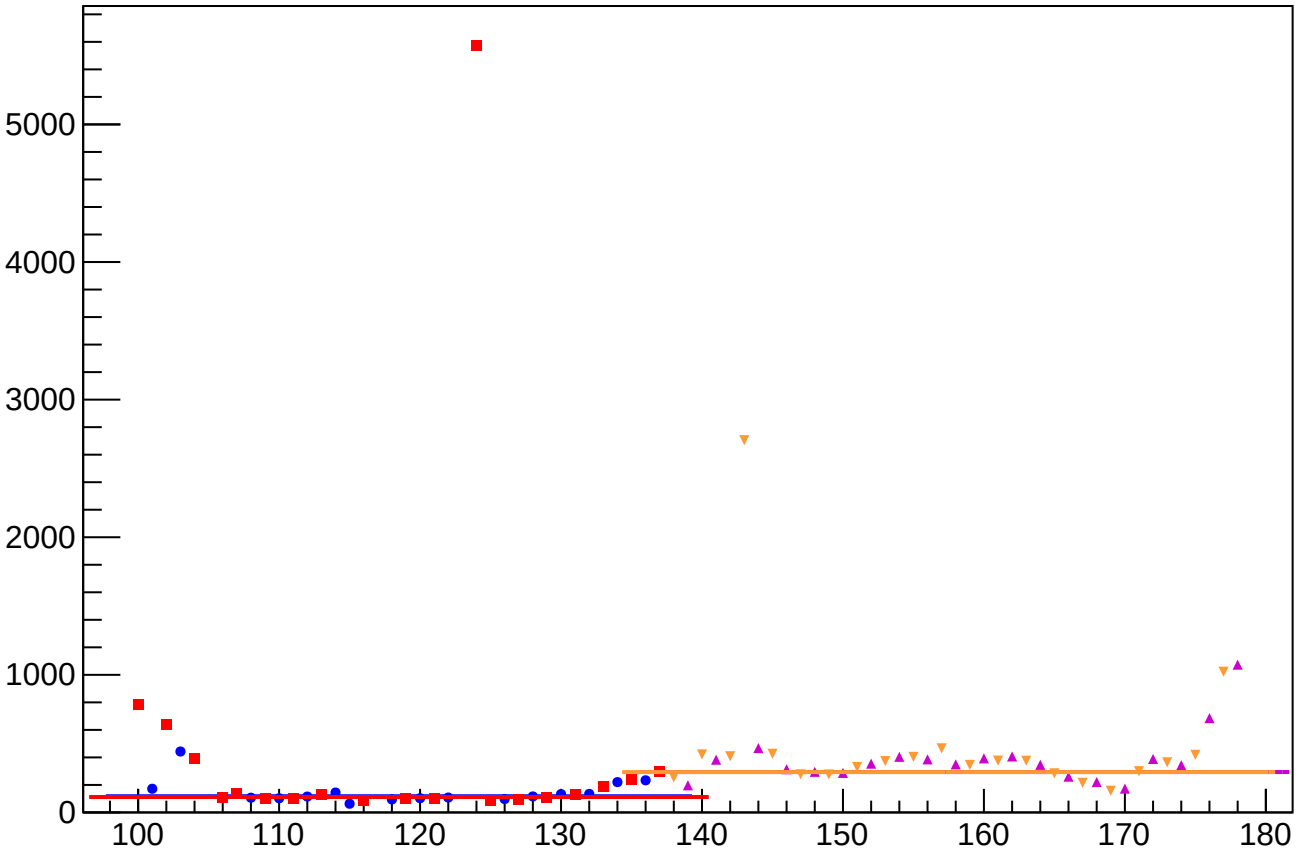
Left: 0.036+/-0.056 χ^2/NDF: 51.9/40

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.022+/-0.041 χ^2/NDF:36.1/35

Out: -0.011+/-0.040 χ^2/NDF:50.1/39

All: 0.005+/-0.029 χ^2/NDF: 86.6/75



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: 293.772+/-0.055 χ^2/NDF:3587220.2/19

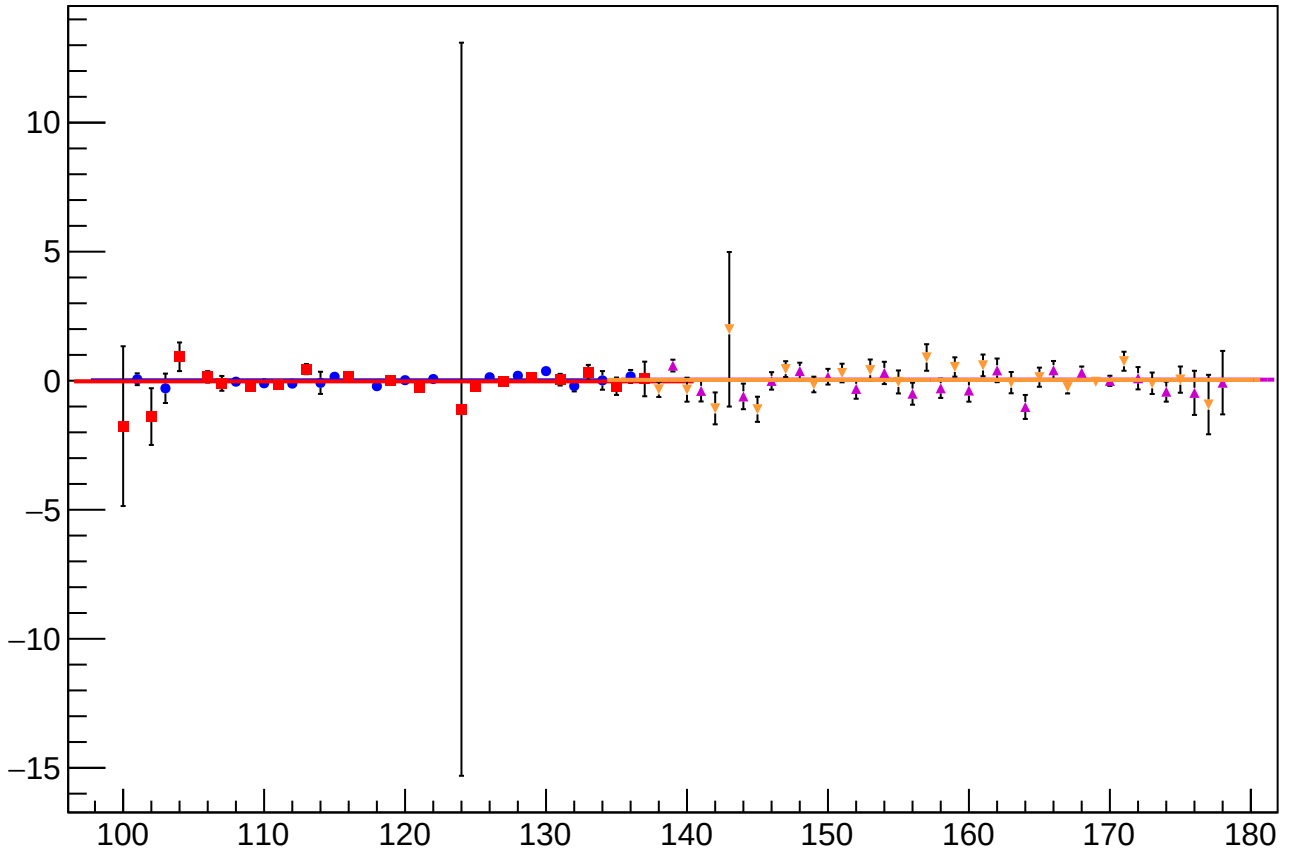
Left: 293.609+/-0.039 χ^2/NDF: 8302325.7/40

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 165.539+/-0.029 χ^2/NDF:12663780.5/35

Out: 159.089+/-0.029 χ^2/NDF:14663366.0/39

All: 162.271+/-0.020 χ^2/NDF: 27352385.2/75



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: 0.041+/-0.078 χ^2/NDF:24.3/19

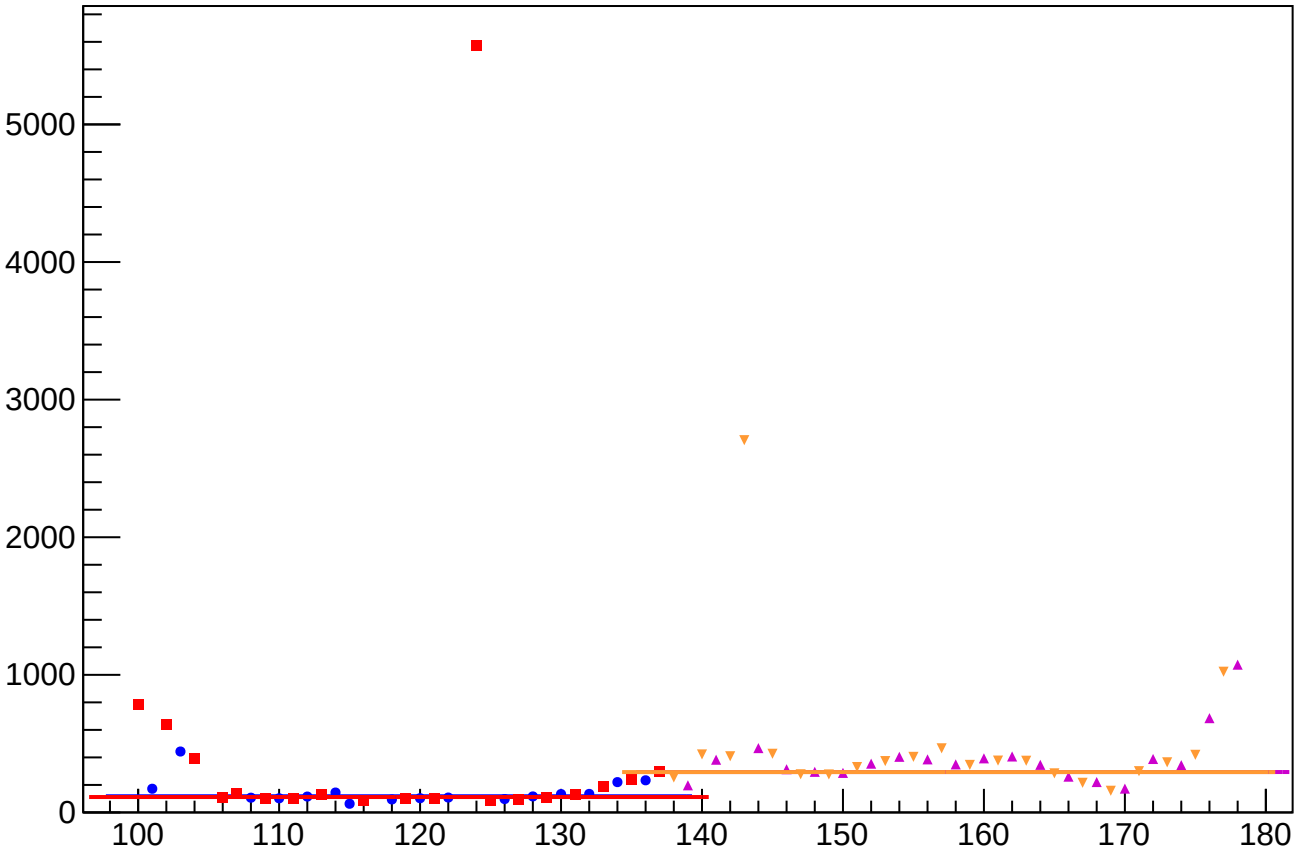
Left: 0.036+/-0.056 χ^2/NDF: 51.9/40

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.022+/-0.041 χ^2/NDF:36.1/35

Out: -0.011+/-0.040 χ^2/NDF:50.1/39

All: 0.005+/-0.029 χ^2/NDF: 86.6/75



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: 293.772+/-0.055 χ^2/NDF:3587220.2/19

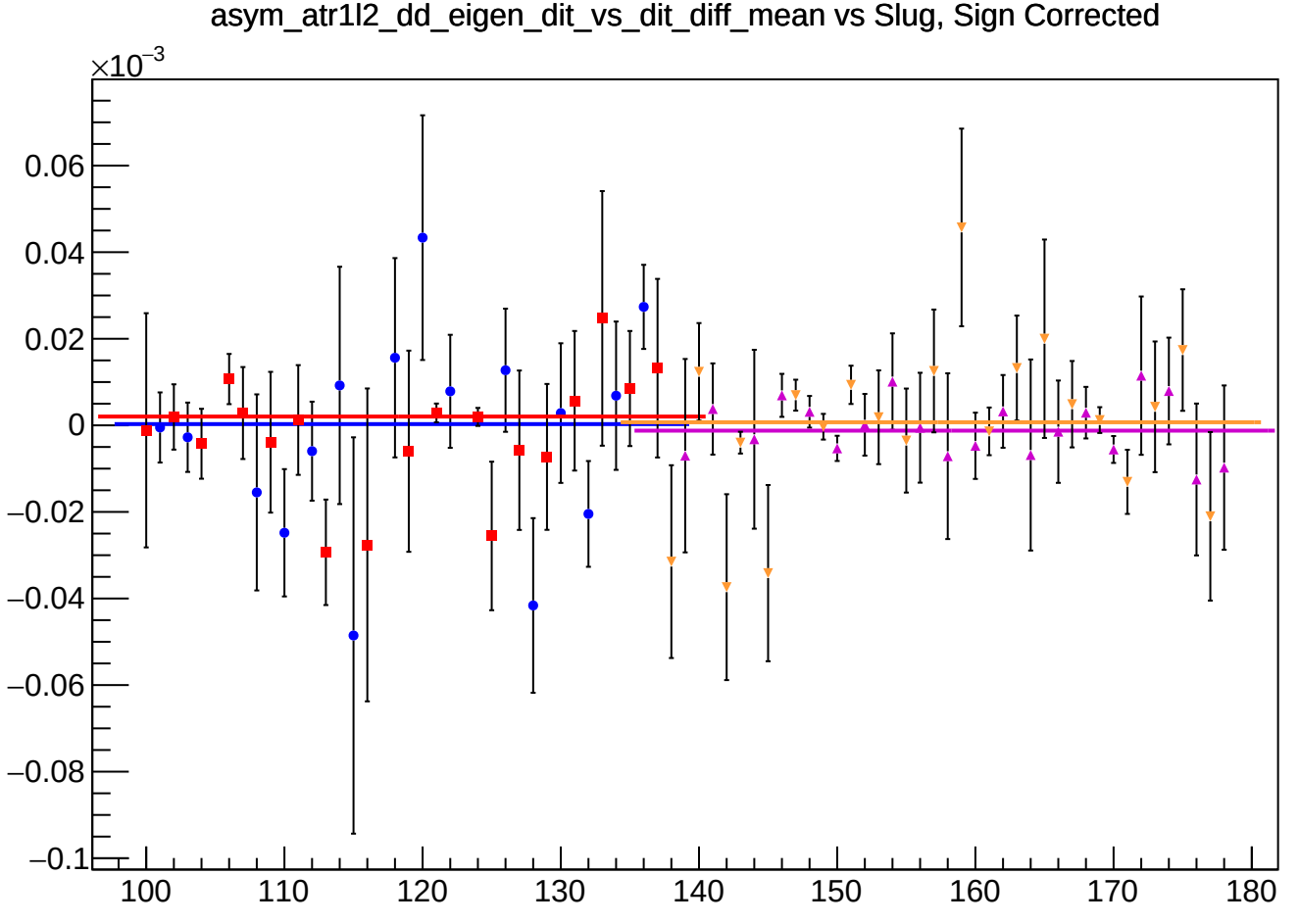
Left: 293.609+/-0.039 χ^2/NDF: 8302325.7/40

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 165.539+/-0.029 χ^2/NDF:12663780.5/35

Out: 159.089+/-0.029 χ^2/NDF:14663366.0/39

All: 162.271+/-0.020 χ^2/NDF: 27352385.2/75



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:12.2/19

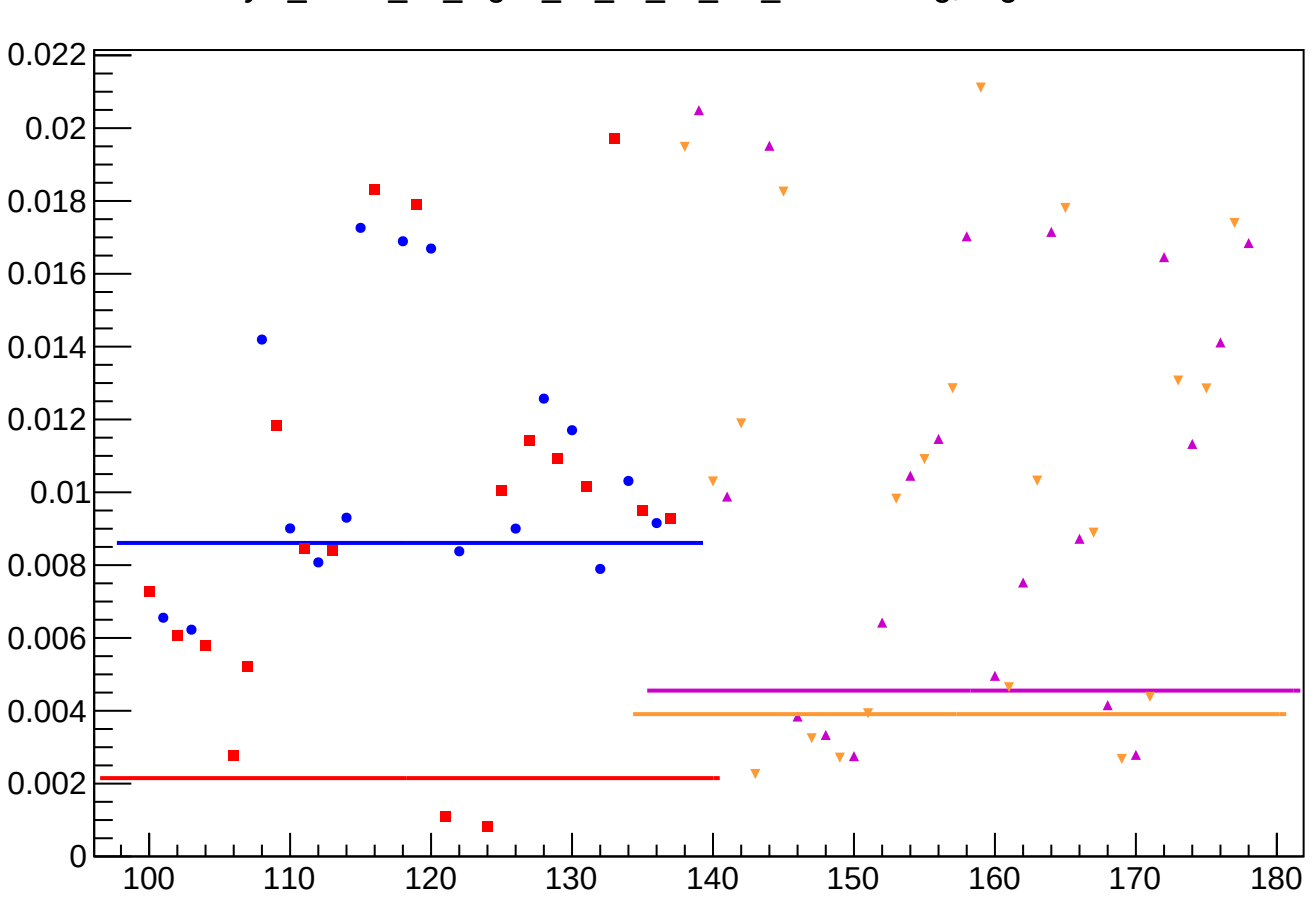
Left: -0.000+/-0.000 χ^2/NDF: 46.0/40

Right: 0.000+/-0.000 χ^2/NDF: 39.1/34

In: -0.000+/-0.000 χ^2/NDF:36.5/35

Out: 0.000+/-0.000 χ^2/NDF:48.1/39

All: 0.000+/-0.000 χ^2/NDF: 86.6/75



Right In: 0.009+/-0.000 χ^2/NDF: 1114251.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:12036726.5/20

Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

Left In: 0.005+/-0.000 χ^2/NDF:10440165.8/19

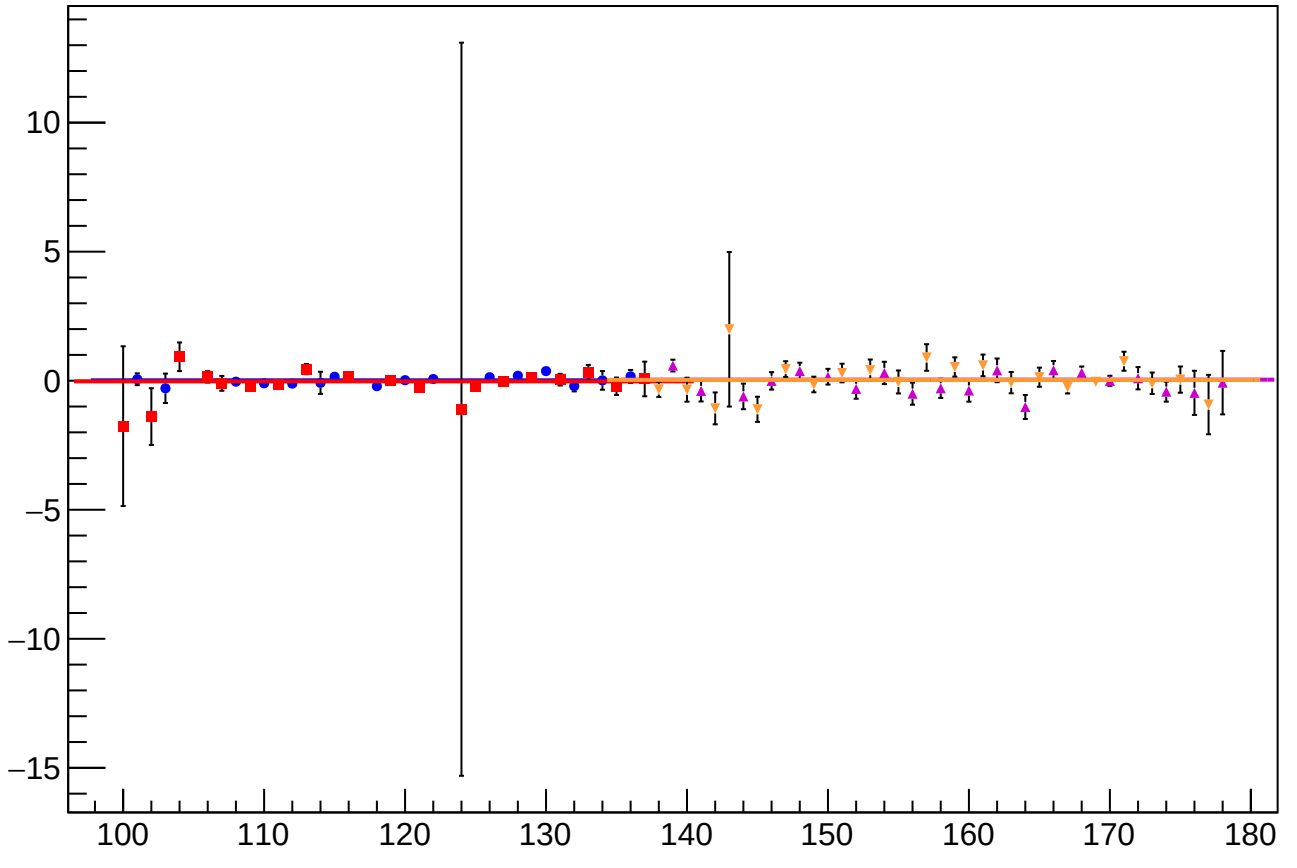
Left: 0.004+/-0.000 χ^2/NDF: 22702177.2/40

Right: 0.003+/-0.000 χ^2/NDF: 16533209.6/34

In: 0.005+/-0.000 χ^2/NDF:13989299.2/35

Out: 0.003+/-0.000 χ^2/NDF:22956105.8/39

All: 0.004+/-0.000 χ^2/NDF: 40326448.8/75



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: 0.041+/-0.078 χ^2/NDF:24.3/19

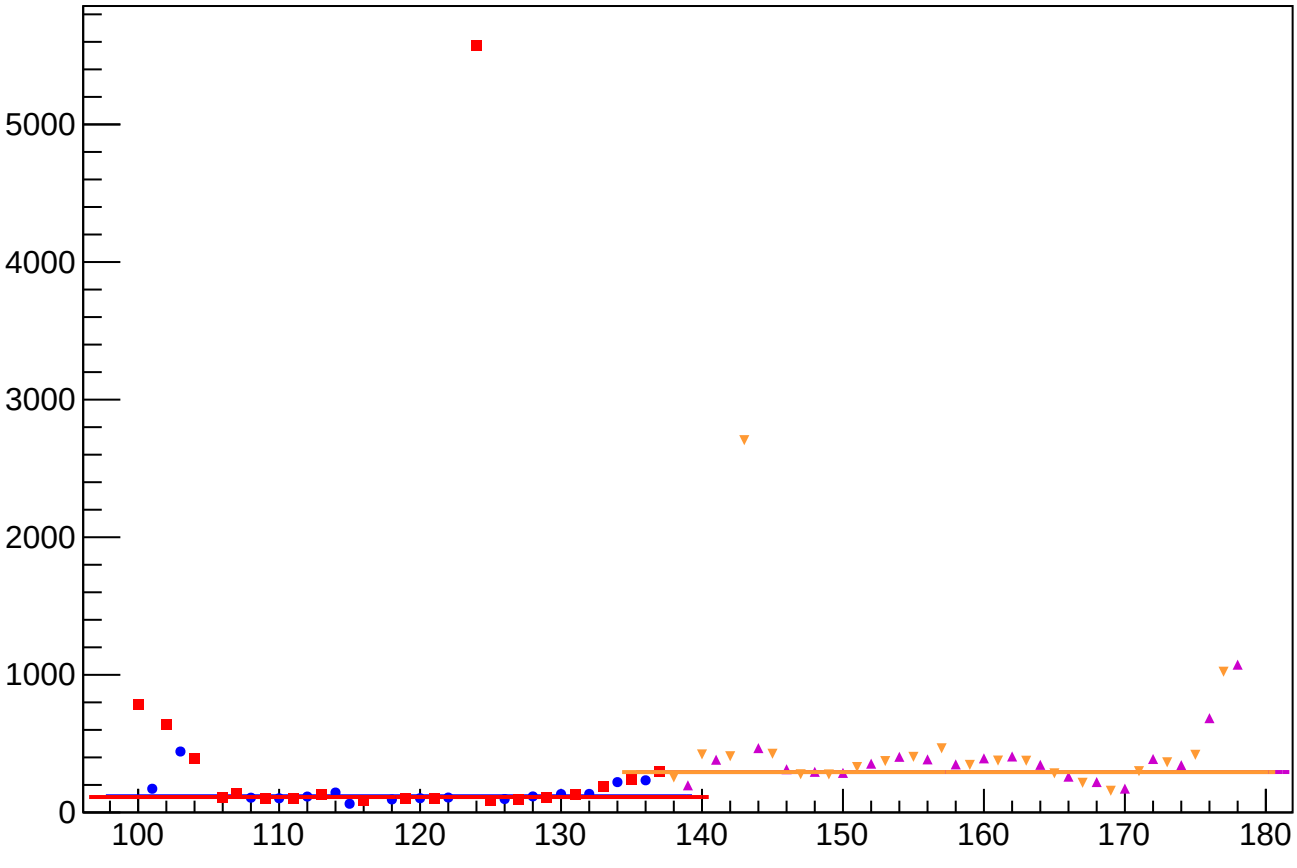
Left: 0.036+/-0.056 χ^2/NDF: 51.9/40

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.022+/-0.041 χ^2/NDF:36.1/35

Out: -0.011+/-0.040 χ^2/NDF:50.1/39

All: 0.005+/-0.029 χ^2/NDF: 86.6/75



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: 293.775+/-0.055 χ^2/NDF:3587201.4/19

Left: 293.611+/-0.039 χ^2/NDF: 8302365.4/40

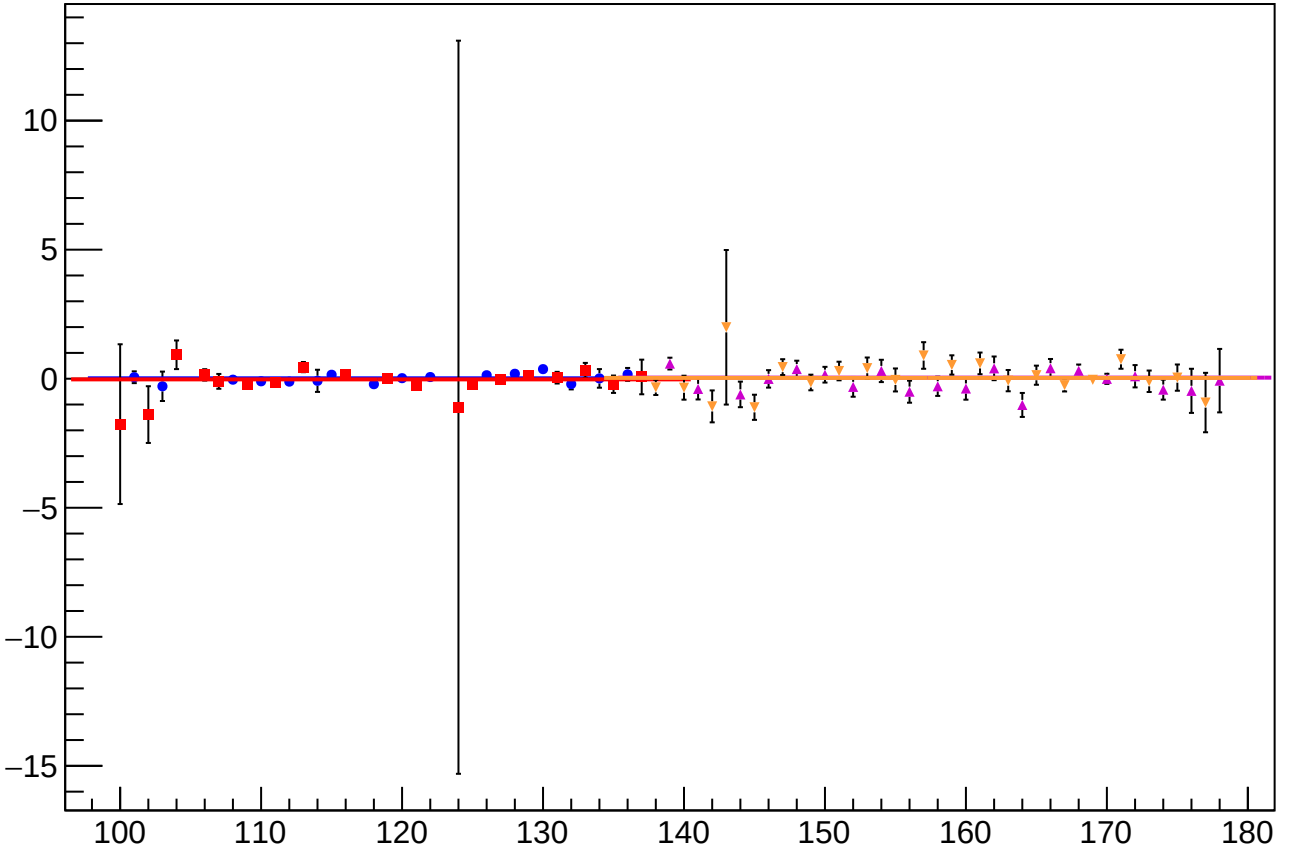
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 165.539+/-0.029 χ^2/NDF:12663861.3/35

Out: 159.091+/-0.029 χ^2/NDF:14663237.1/39

All: 162.272+/-0.020 χ^2/NDF: 27352322.5/75

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: 0.041+/-0.078 χ^2/NDF:24.3/19

Left: 0.036+/-0.056 χ^2/NDF: 51.9/40

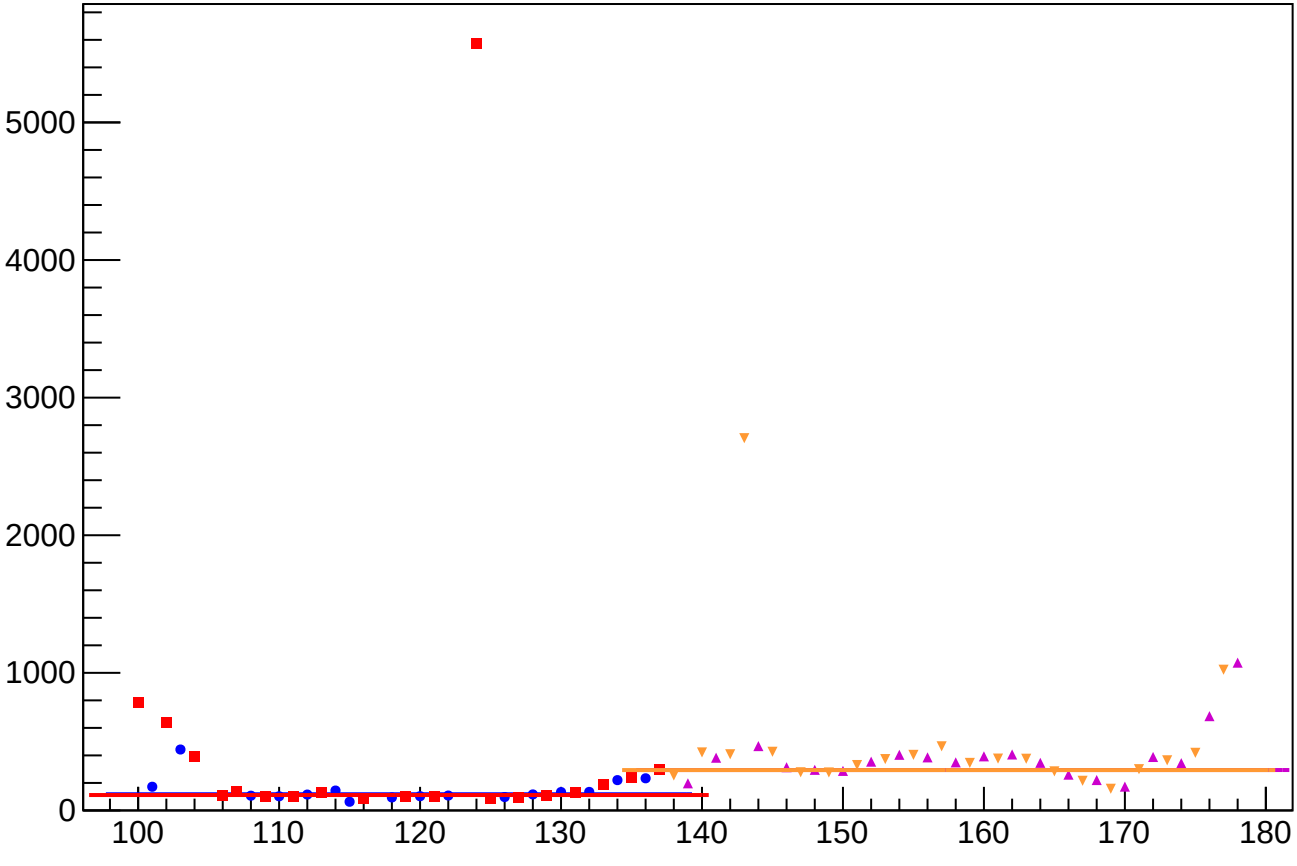
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.022+/-0.041 χ^2/NDF:36.1/35

Out: -0.011+/-0.040 χ^2/NDF:50.1/39

All: 0.005+/-0.029 χ^2/NDF: 86.6/75

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: 293.775+/-0.055 χ^2/NDF:3587201.4/19

Left: 293.611+/-0.039 χ^2/NDF: 8302365.4/40

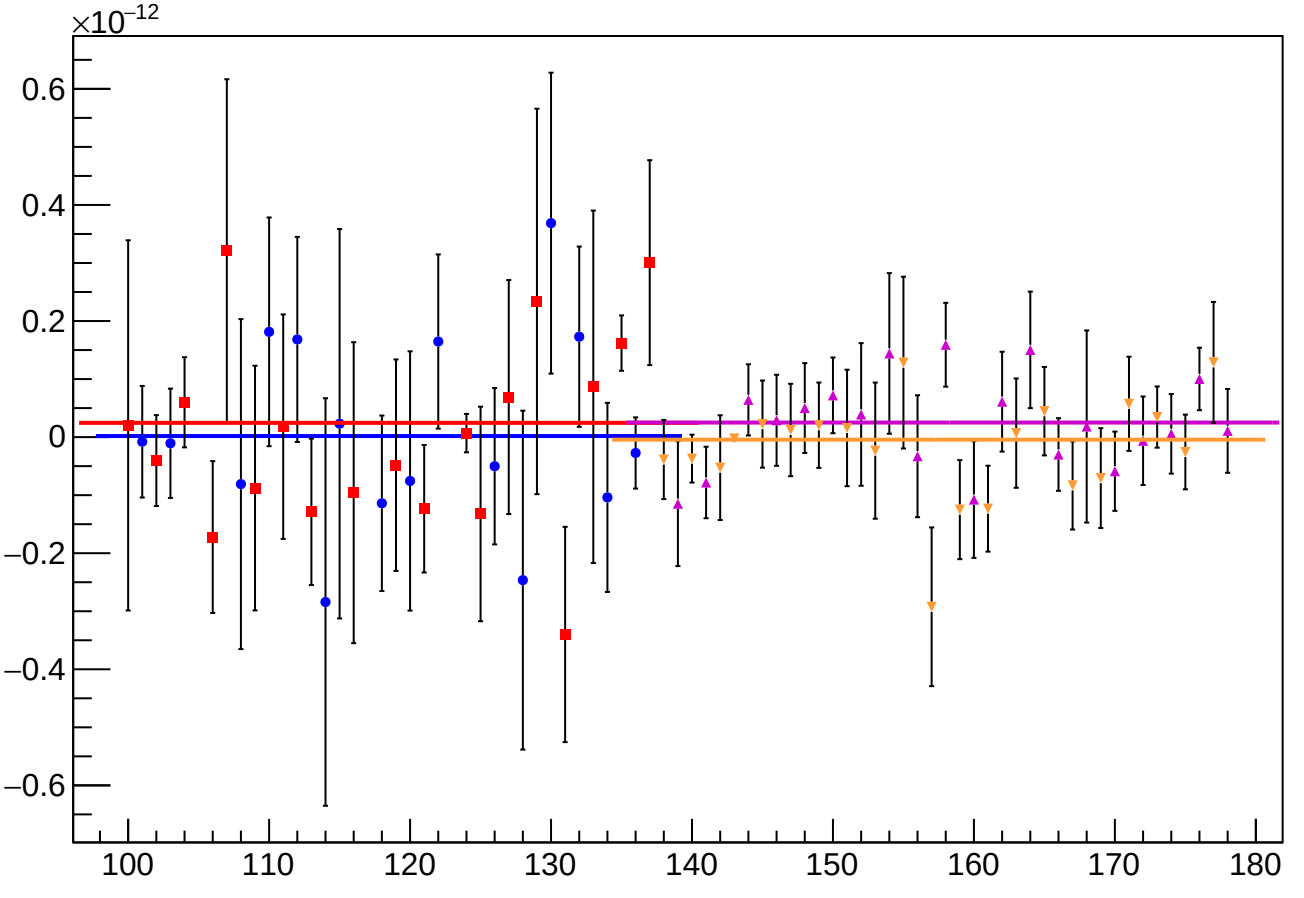
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 165.539+/-0.029 χ^2/NDF:12663861.3/35

Out: 159.091+/-0.029 χ^2/NDF:14663237.1/39

All: 162.272+/-0.020 χ^2/NDF: 27352322.5/75

asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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:18.0/19

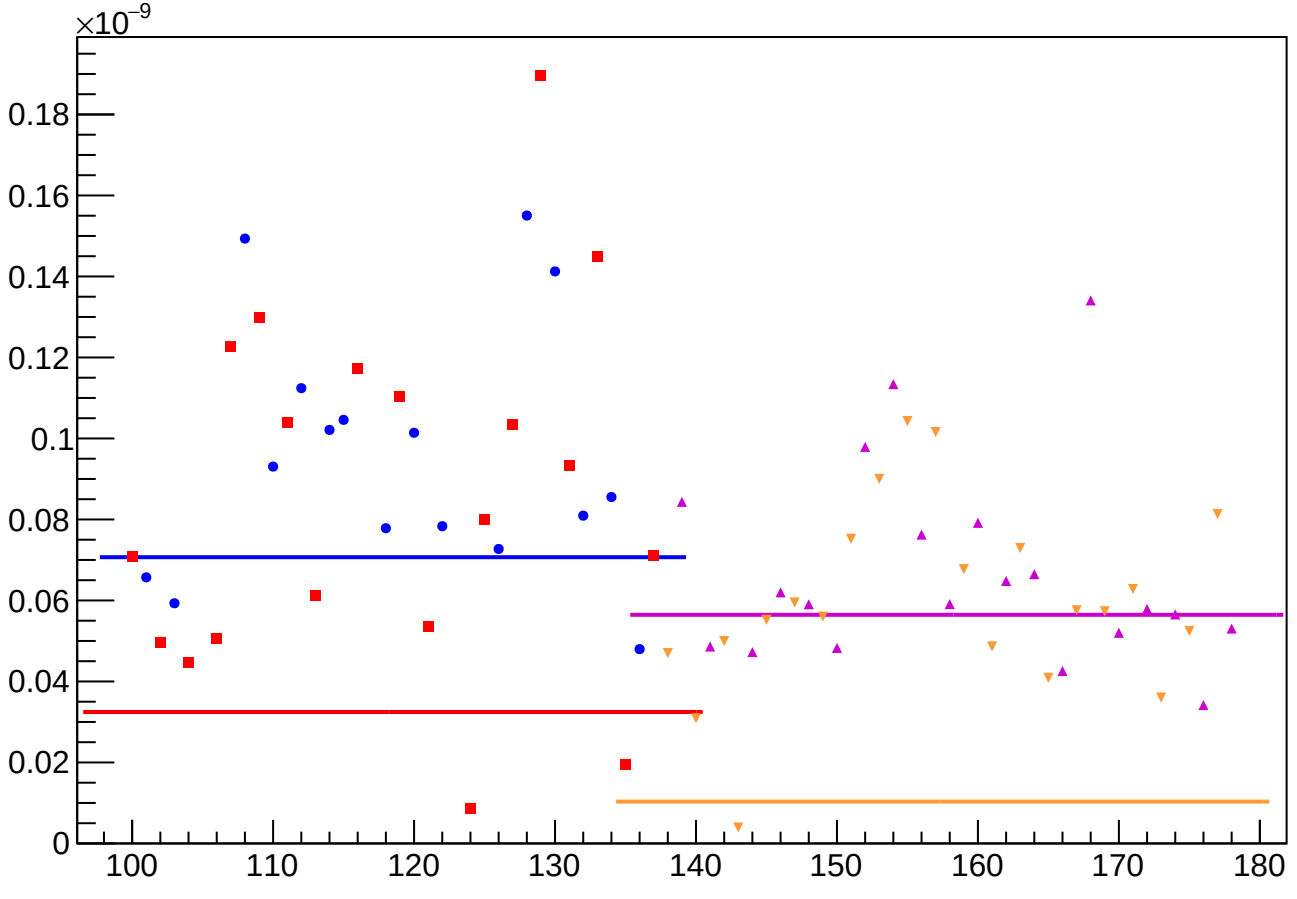
Left: -0.000+/-0.000 χ^2/NDF: 37.0/40

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:27.5/35

Out: -0.000+/-0.000 χ^2/NDF:42.3/39

All: 0.000+/-0.000 χ^2/NDF: 71.7/75



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:1931524.1/19

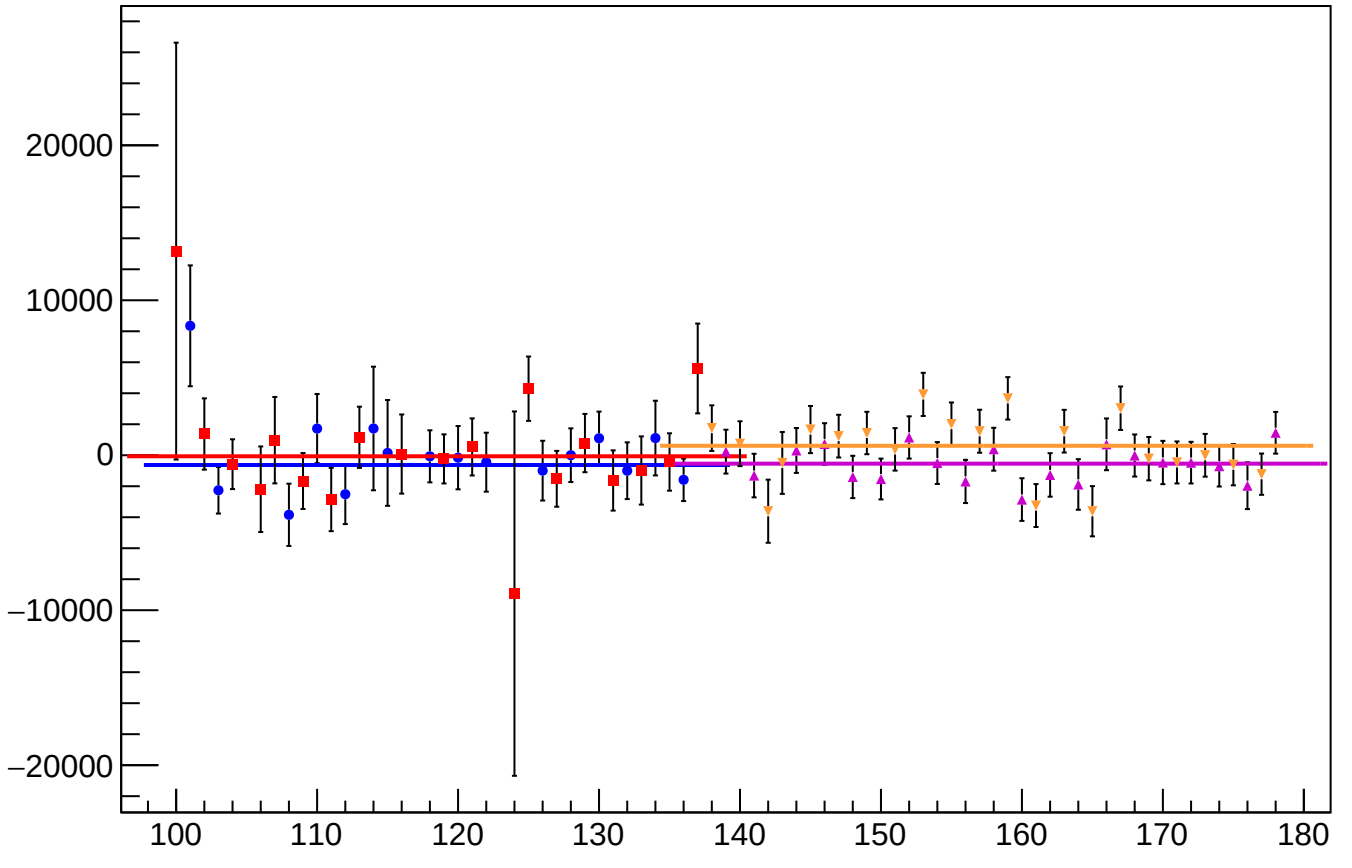
Left: 0.000+/-0.000 χ^2/NDF: 30704499.0/40

Right: 0.000+/-0.000 χ^2/NDF: 7239318.8/34

In: 0.000+/-0.000 χ^2/NDF:3227597.8/35

Out: 0.000+/-0.000 χ^2/NDF:22540580.3/39

All: 0.000+/-0.000 χ^2/NDF: 42109476.8/75



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: -543.002+/-312.722 χ^2/NDF:13.1/19

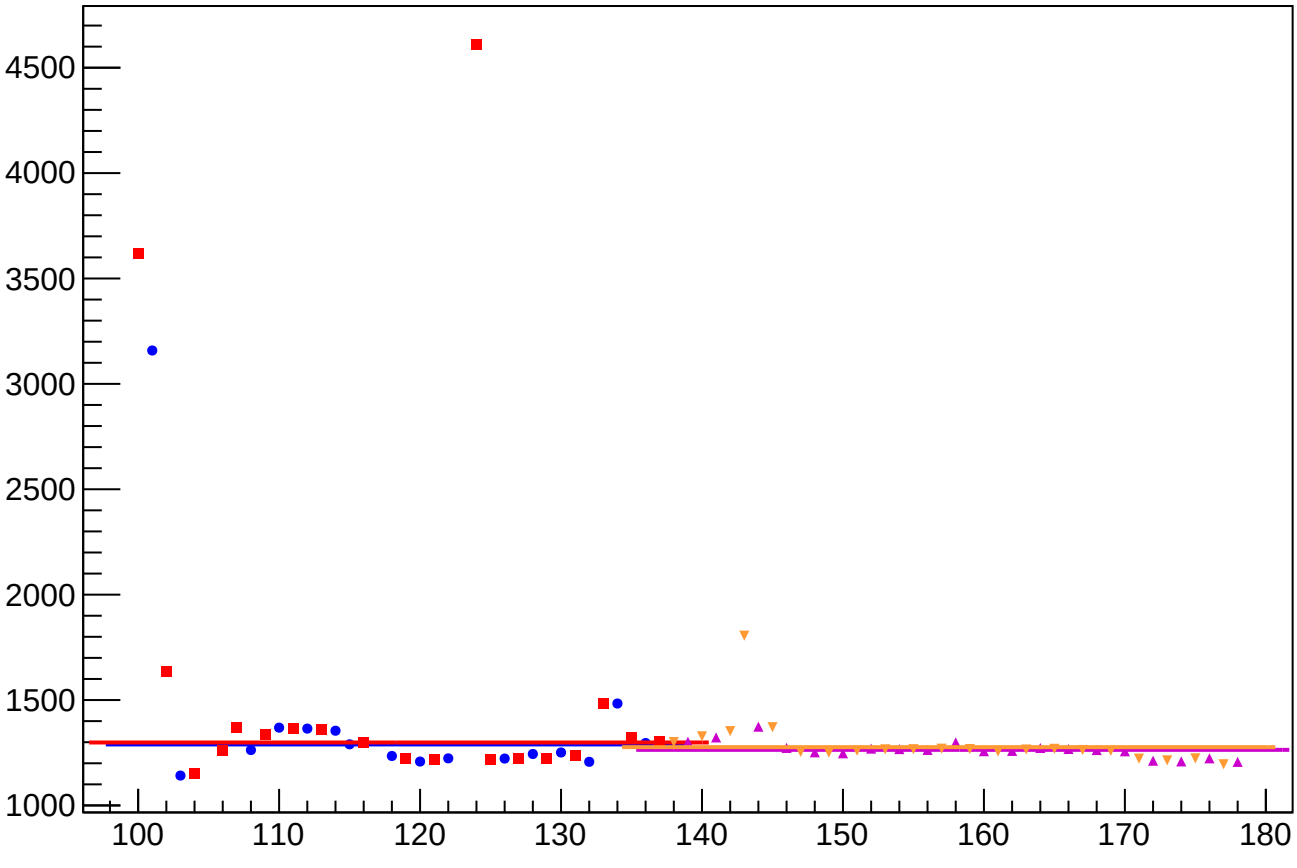
Left: 32.510+/-221.351 χ^2/NDF: 60.2/40

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -568.582+/-263.402 χ^2/NDF:27.0/35

Out: 412.277+/-263.637 χ^2/NDF:57.6/39

All: -78.590+/-186.336 χ^2/NDF: 91.5/75



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: 1263.728+/-0.221 χ^2/NDF:30050.0/19

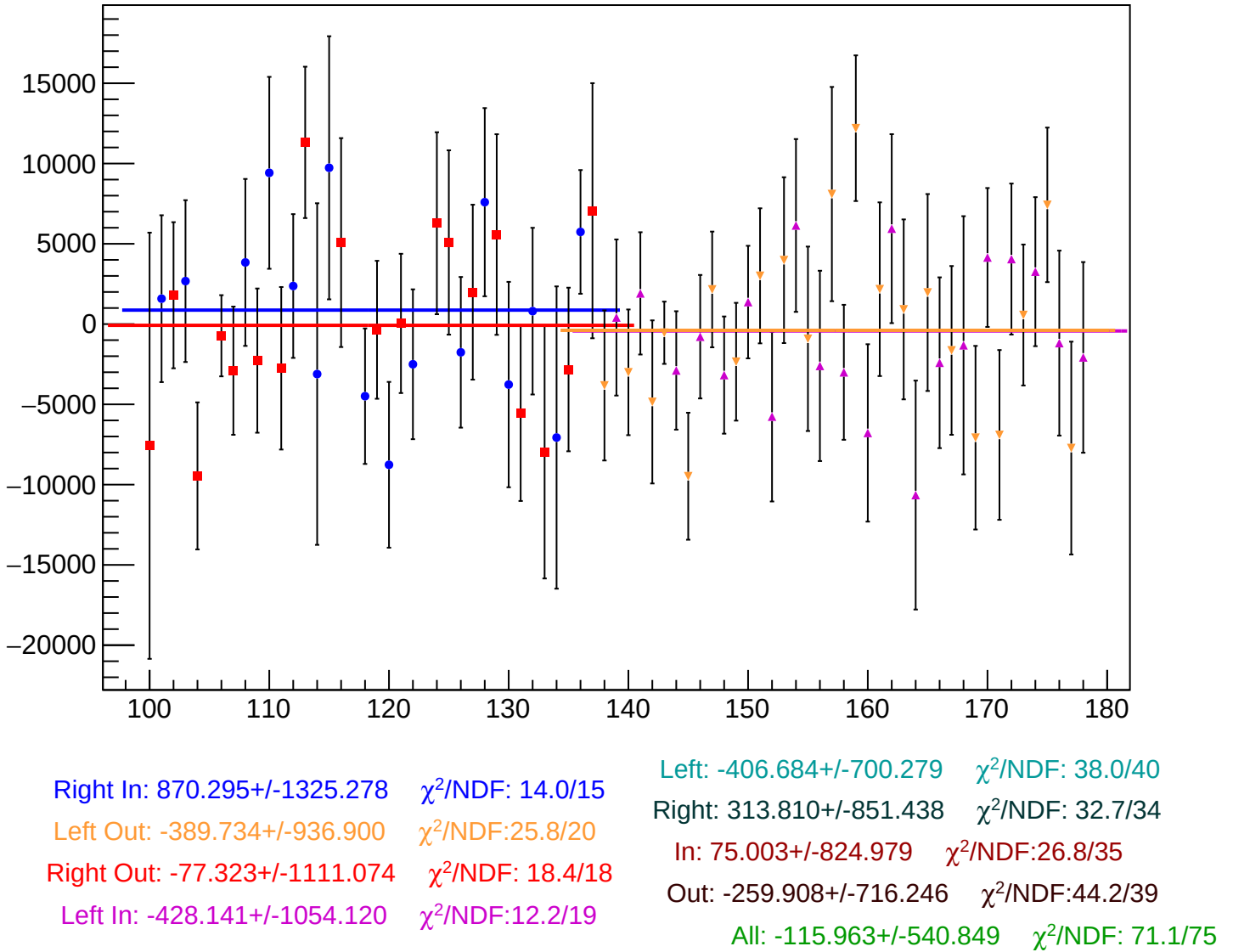
Left: 1270.093+/-0.157 χ^2/NDF: 206342.2/40

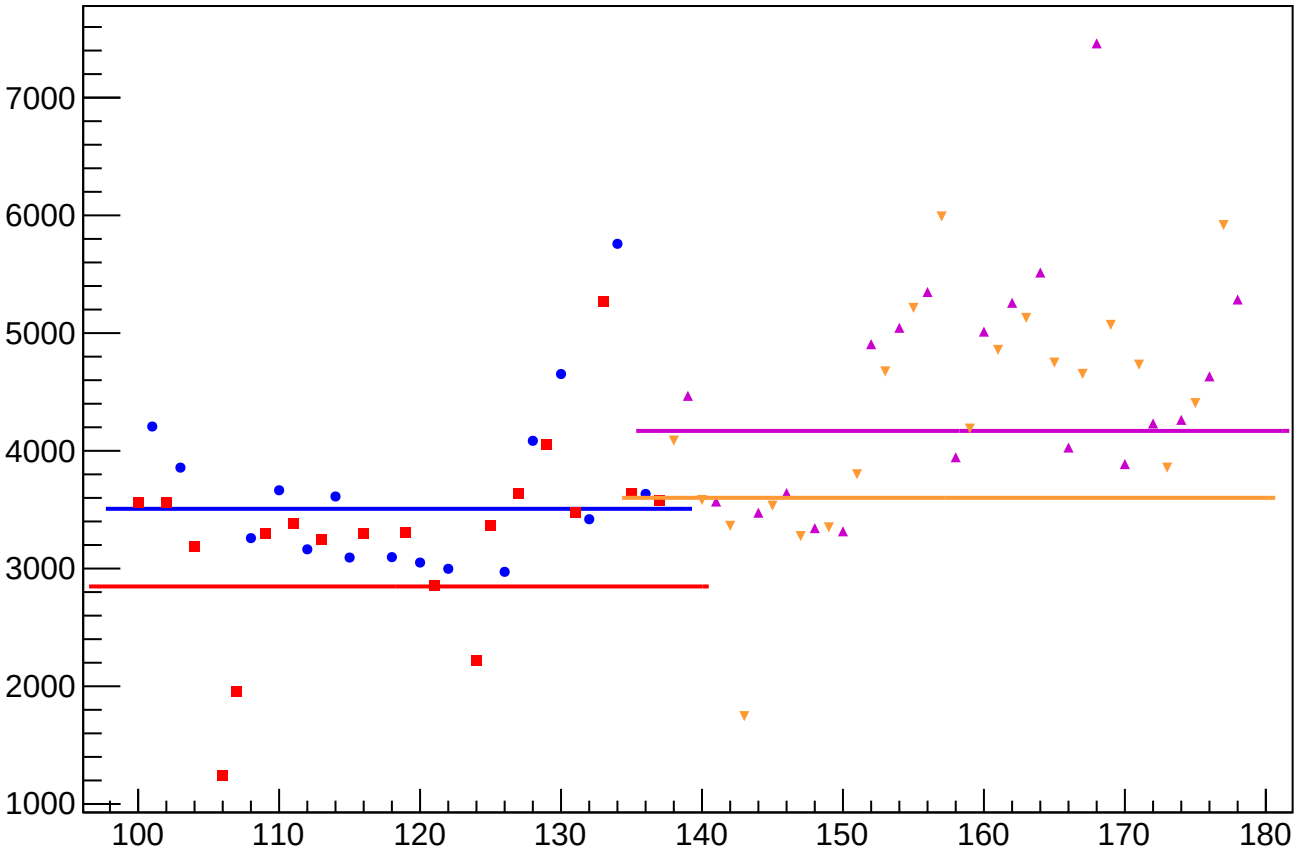
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1271.206+/-0.186 χ^2/NDF:548661.3/35

Out: 1282.986+/-0.186 χ^2/NDF:496942.5/39

All: 1277.095+/-0.132 χ^2/NDF: 1047603.4/75


asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
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: -428.141+/-1054.120 χ²/NDF:12.2/19
Left: -406.684+/-700.279 χ²/NDF: 38.0/40
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: 75.003+/-824.979 χ²/NDF:26.8/35
Out: -259.908+/-716.246 χ²/NDF:44.2/39
All: -115.963+/-540.849 χ²/NDF: 71.1/75



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: 4169.150+/-0.745 χ^2/NDF:1179312.4/19

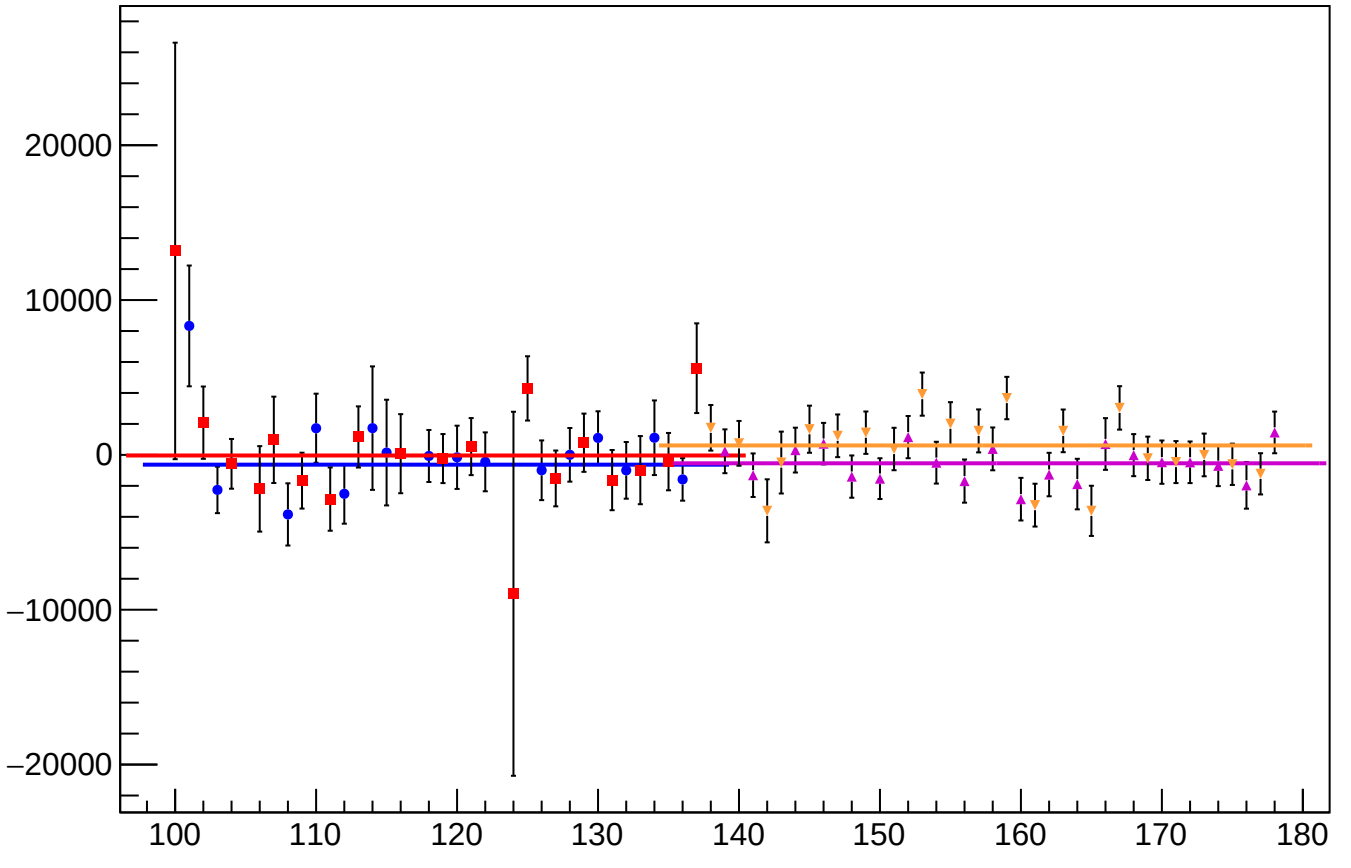
Left: 3851.553+/-0.495 χ^2/NDF: 4862007.8/40

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3912.721+/-0.583 χ^2/NDF:1838722.9/35

Out: 3287.814+/-0.506 χ^2/NDF:5393726.4/39

All: 3556.398+/-0.382 χ^2/NDF: 7886787.1/75



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: -542.923+/-312.722 χ^2/NDF:13.1/19

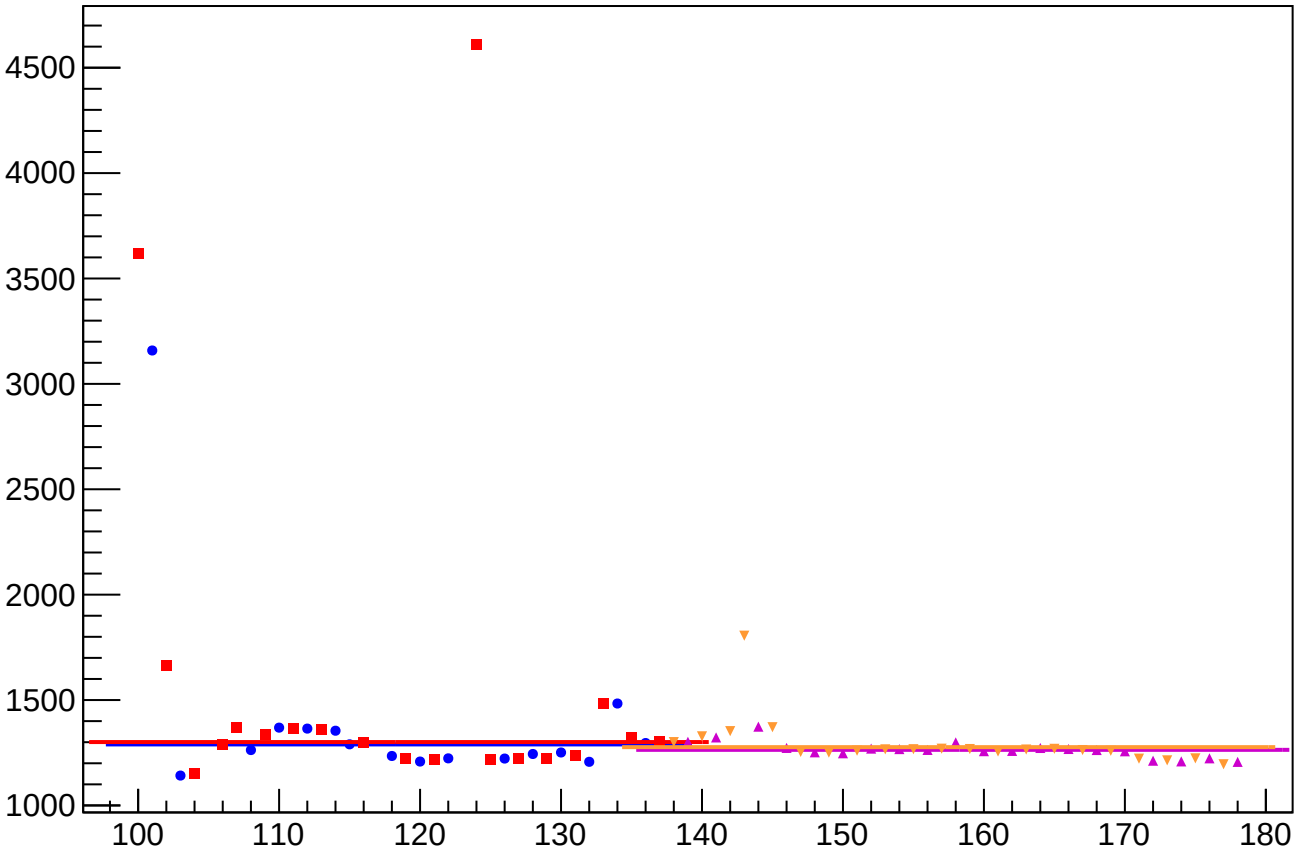
Left: 32.562+/-221.351 χ^2/NDF: 60.2/40

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -568.638+/-263.402 χ^2/NDF:27.0/35

Out: 420.950+/-263.688 χ^2/NDF:57.9/39

All: -74.381+/-186.354 χ^2/NDF: 91.9/75



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: 1263.728+/-0.221 χ^2/NDF:30050.0/19

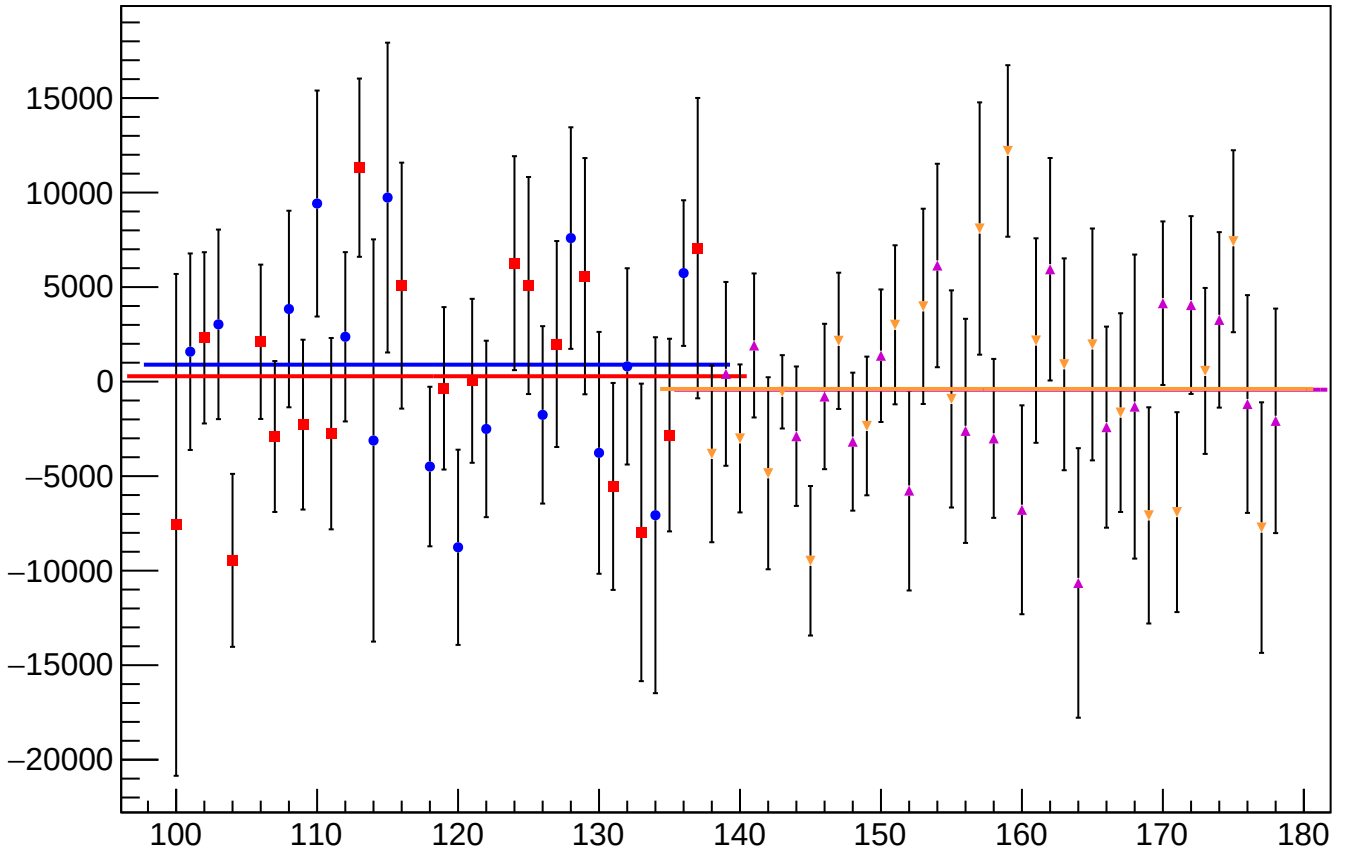
Left: 1270.093+/-0.157 χ^2/NDF: 206342.1/40

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1271.206+/-0.186 χ^2/NDF:548662.7/35

Out: 1283.566+/-0.186 χ^2/NDF:504030.0/39

All: 1277.383+/-0.132 χ^2/NDF: 1054893.4/75



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: -428.148+/-1054.118 χ^2/NDF:12.2/19

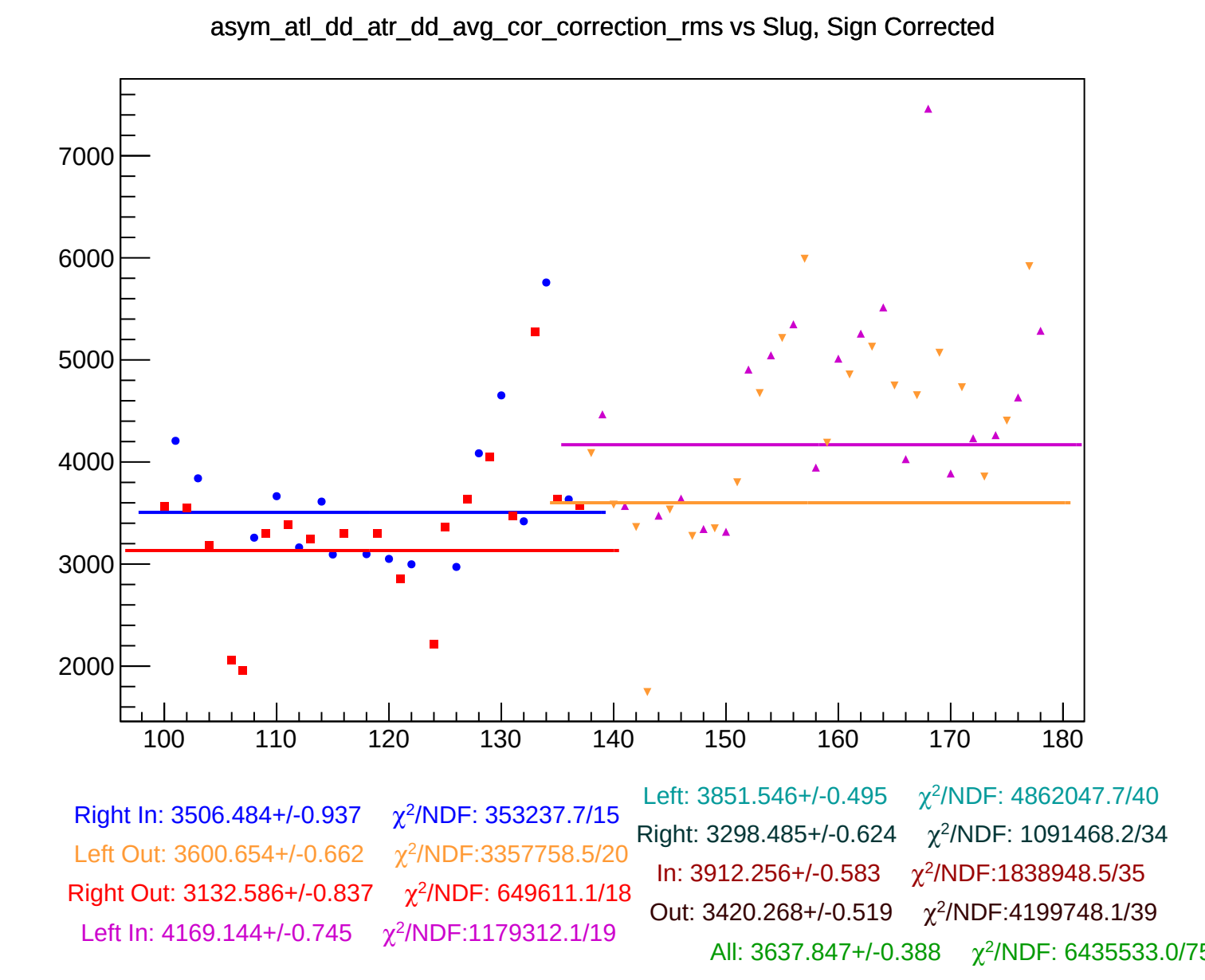
Left: -406.651+/-700.278 χ^2/NDF: 38.0/40

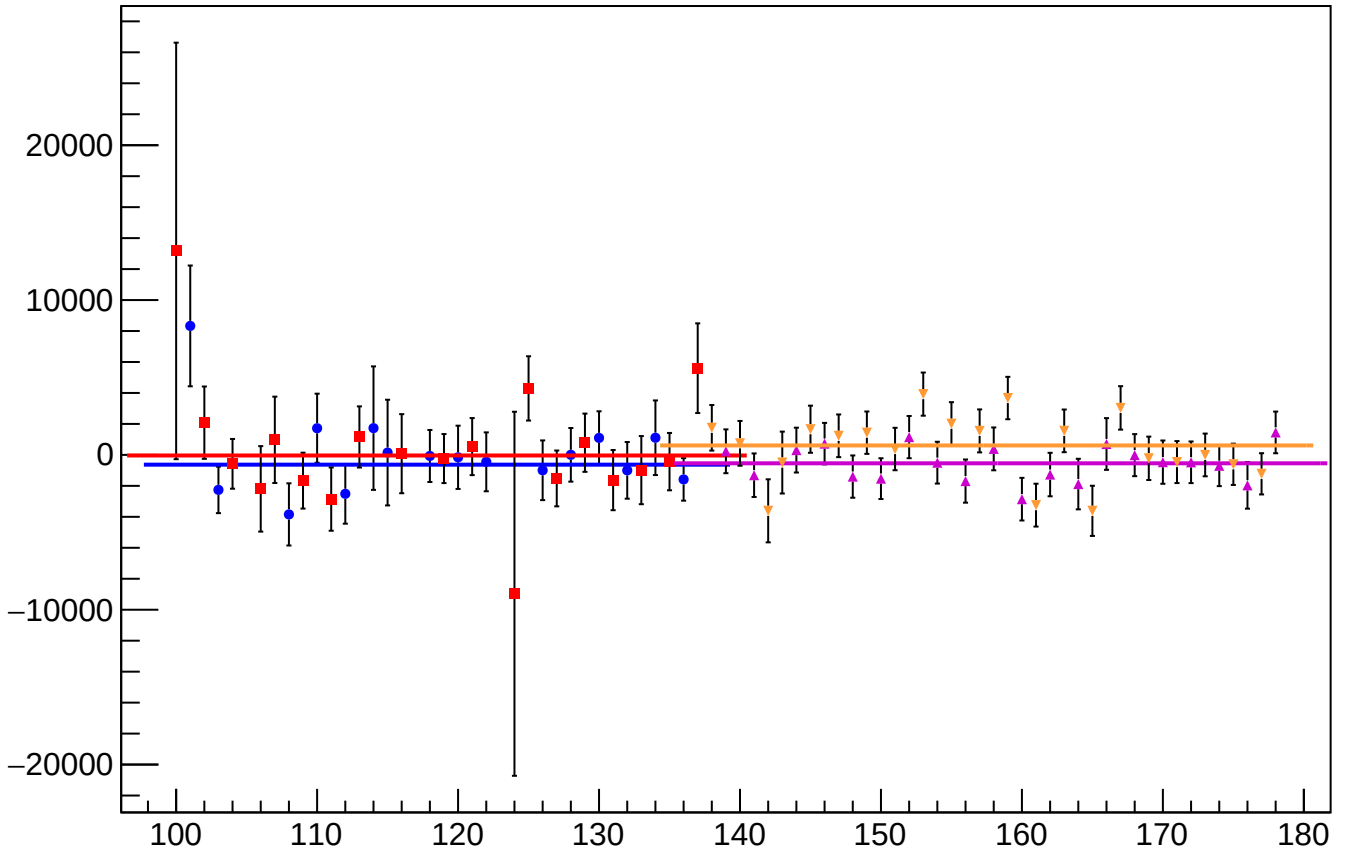
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 85.181+/-824.869 χ^2/NDF:26.9/35

Out: -130.063+/-734.505 χ^2/NDF:44.6/39

All: -34.872+/-548.550 χ^2/NDF: 71.5/75


asym_atl_dd_atr_dd_avg_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: 4169.144+/-0.745 χ²/NDF:1179312.1/19
Left: 3851.546+/-0.495 χ²/NDF: 4862047.7/40
Right: 3298.485+/-0.624 χ²/NDF: 1091468.2/34
In: 3912.256+/-0.583 χ²/NDF:1838948.5/35
Out: 3420.268+/-0.519 χ²/NDF:4199748.1/39
All: 3637.847+/-0.388 χ²/NDF: 6435533.0/75



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: -542.923+/-312.722 χ^2/NDF:13.1/19

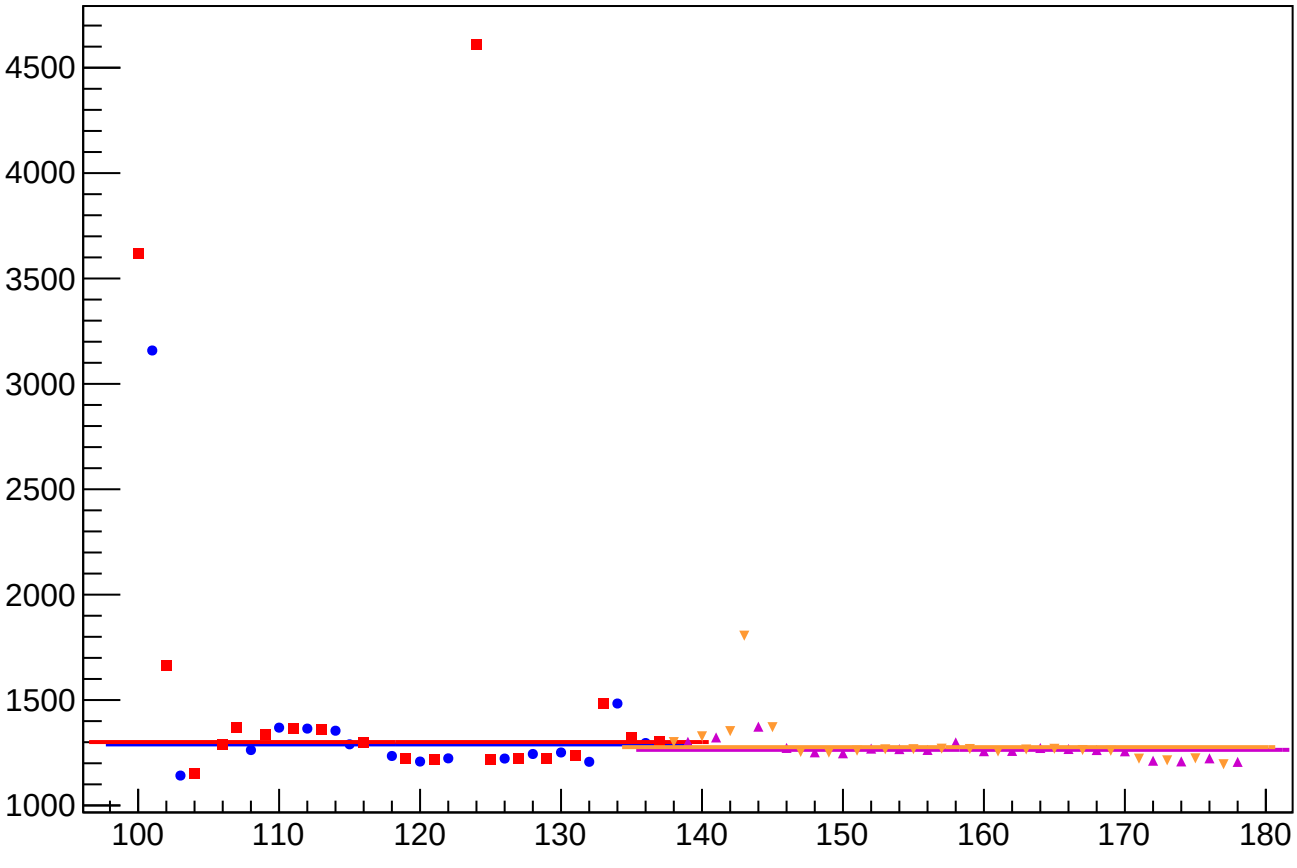
Left: 32.562+/-221.351 χ^2/NDF: 60.2/40

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -568.638+/-263.402 χ^2/NDF:27.0/35

Out: 420.950+/-263.688 χ^2/NDF:57.9/39

All: -74.381+/-186.354 χ^2/NDF: 91.9/75



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: 1263.728+/-0.221 χ^2/NDF:30050.0/19

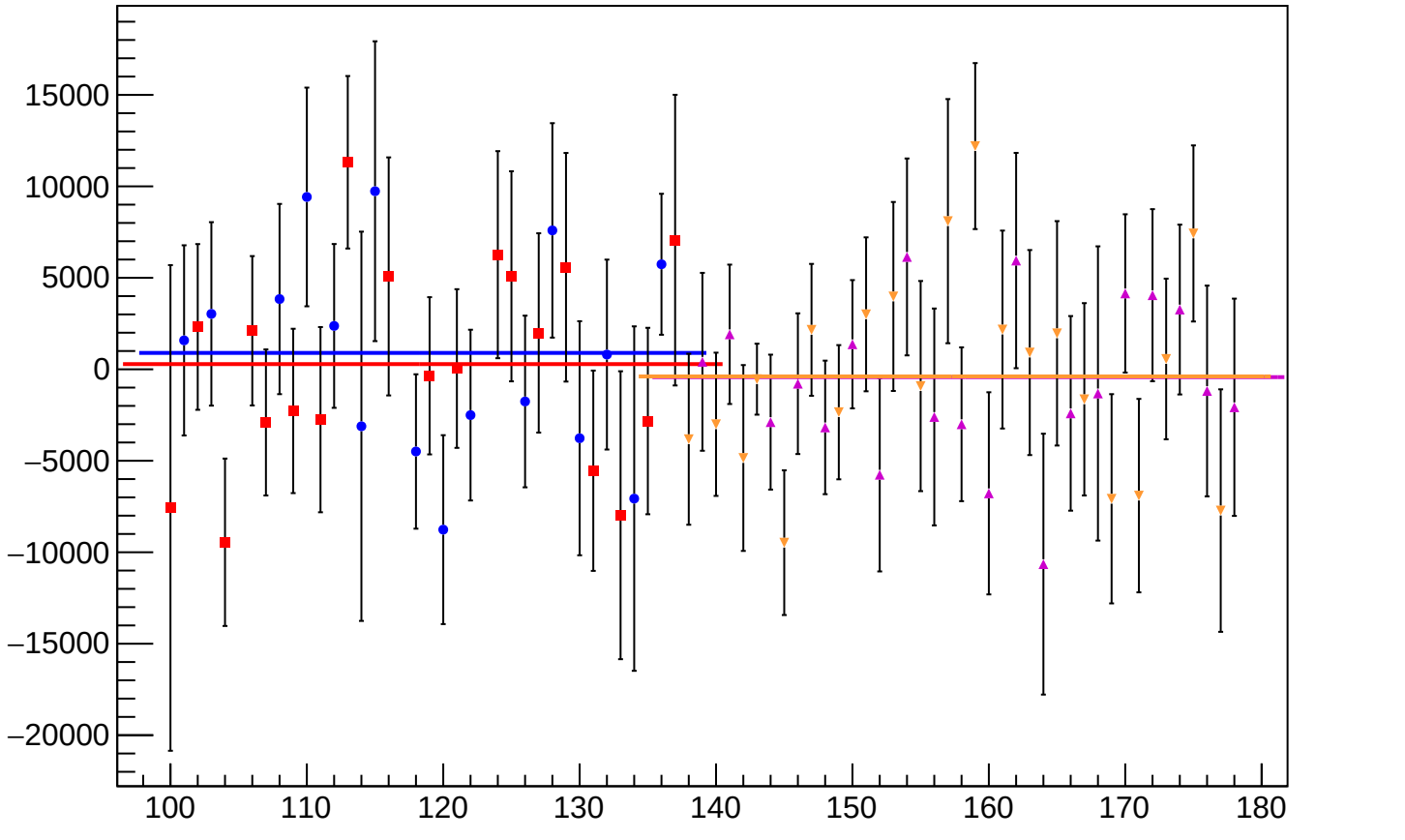
Left: 1270.093+/-0.157 χ^2/NDF: 206342.1/40

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1271.206+/-0.186 χ^2/NDF:548662.7/35

Out: 1283.566+/-0.186 χ^2/NDF:504030.0/39

All: 1277.383+/-0.132 χ^2/NDF: 1054893.4/75



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: -428.148+/-1054.118 χ^2/NDF:12.2/19

Left: -406.651+/-700.278 χ^2/NDF: 38.0/40

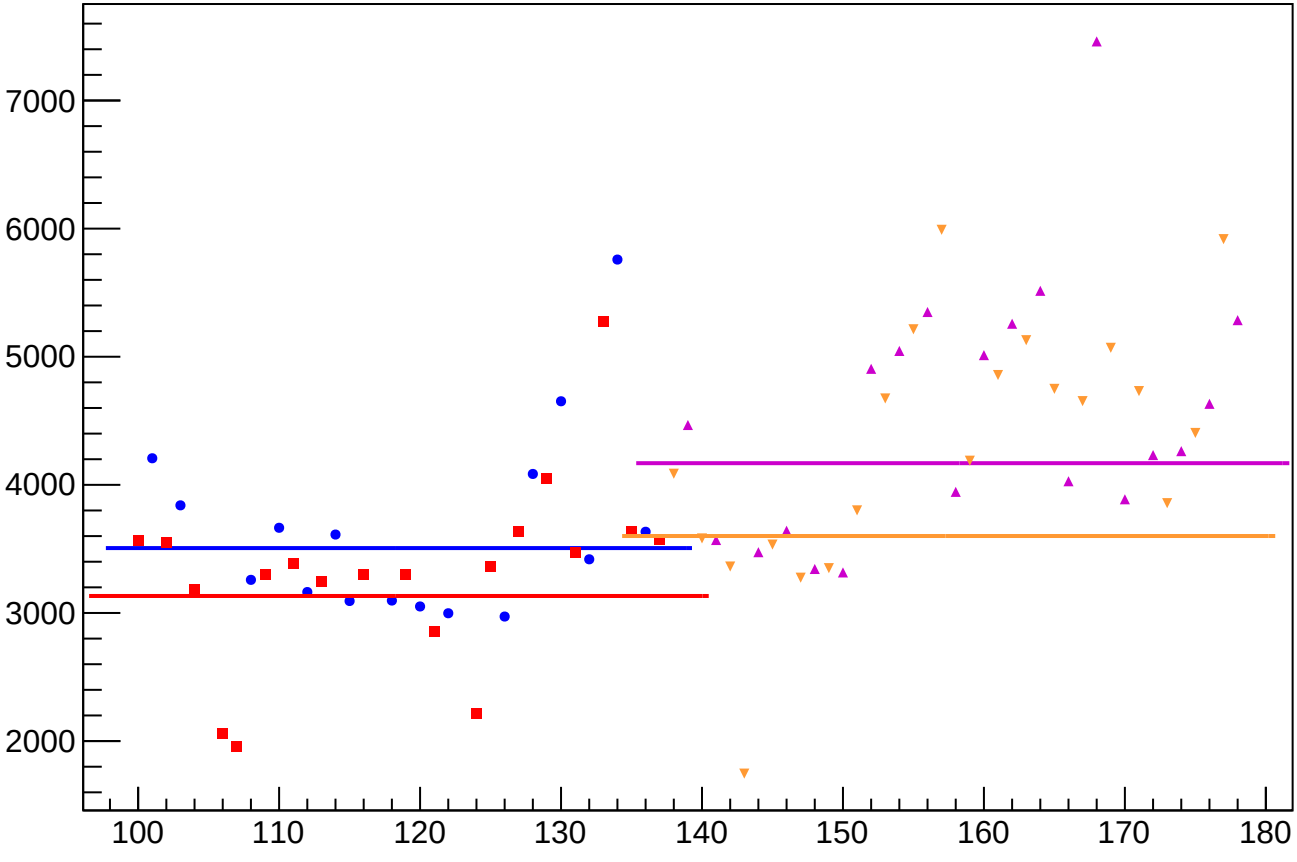
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 85.181+/-824.869 χ^2/NDF:26.9/35

Out: -130.063+/-734.505 χ^2/NDF:44.6/39

All: -34.872+/-548.550 χ^2/NDF: 71.5/75

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: 4169.144+/-0.745 χ^2/NDF:1179312.1/19

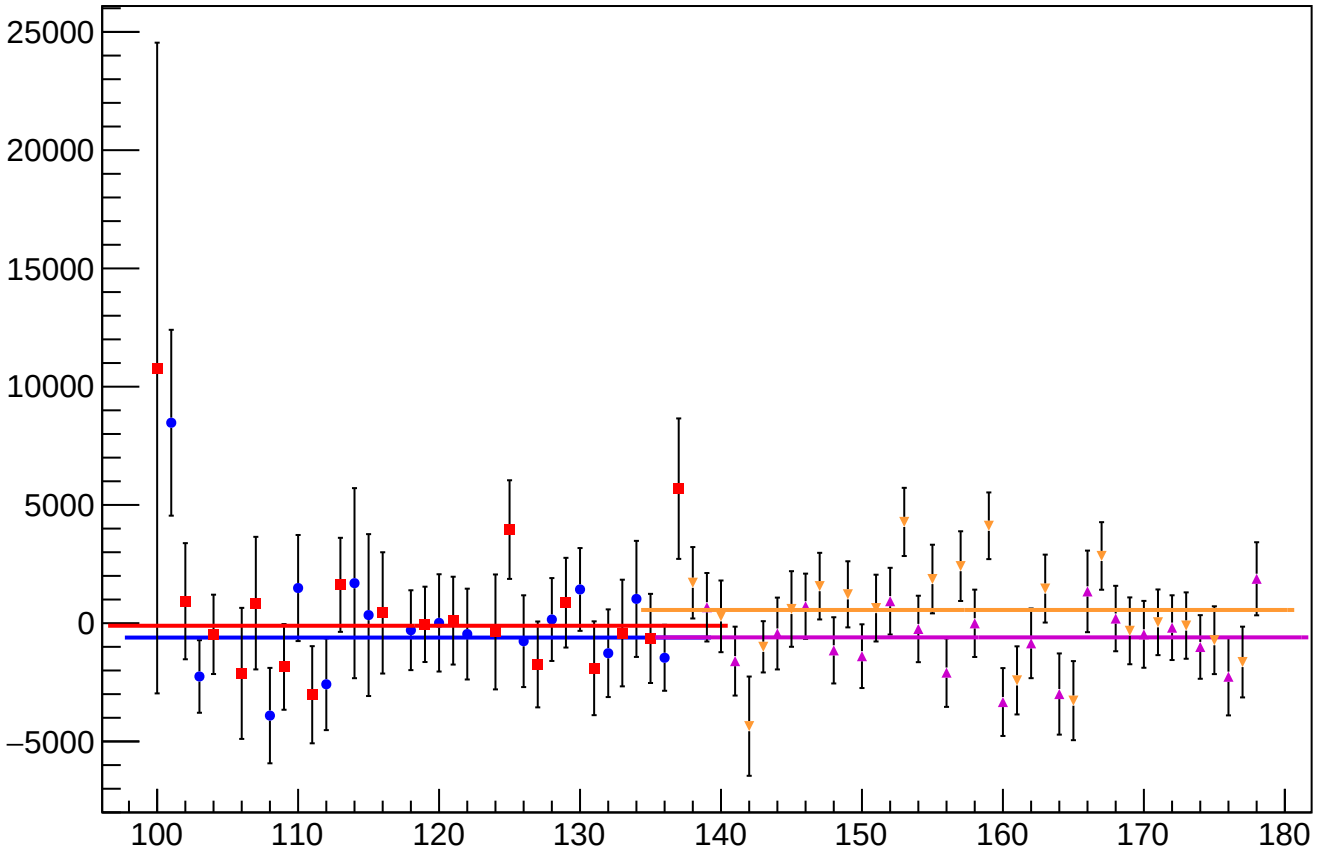
Left: 3851.546+/-0.495 χ^2/NDF: 4862047.7/40

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3912.256+/-0.583 χ^2/NDF:1838948.5/35

Out: 3420.268+/-0.519 χ^2/NDF:4199748.1/39

All: 3637.847+/-0.388 χ^2/NDF: 6435533.0/75



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: -599.425+/-324.930 χ^2/NDF:16.2/19

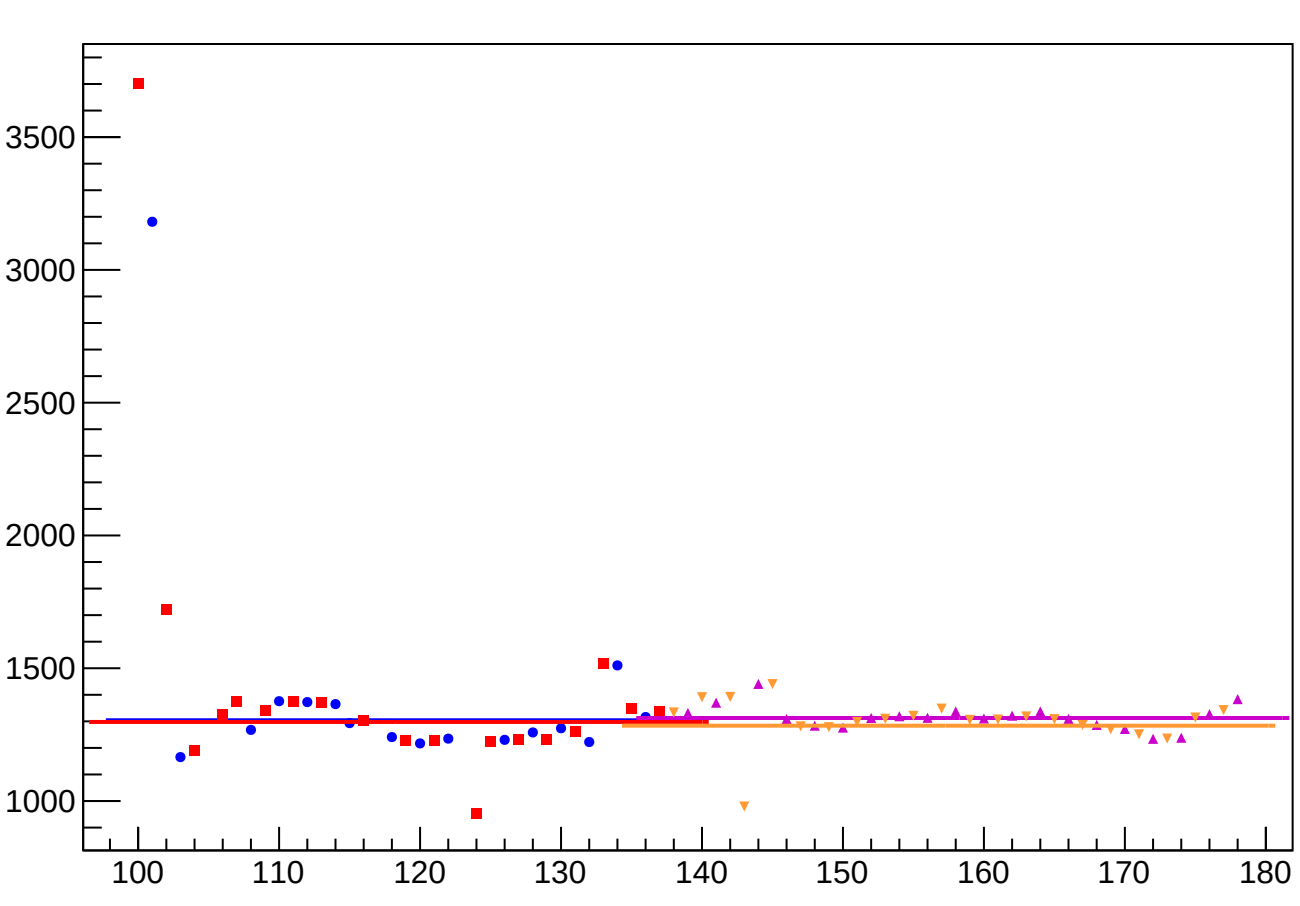
Left: -2.859+/-226.296 χ^2/NDF: 63.2/40

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -601.963+/-271.500 χ^2/NDF:30.3/35

Out: 360.968+/-264.466 χ^2/NDF:56.7/39

All: -107.862+/-189.443 χ^2/NDF: 93.4/75



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: 1312.637+/-0.230 χ^2/NDF:40645.3/19

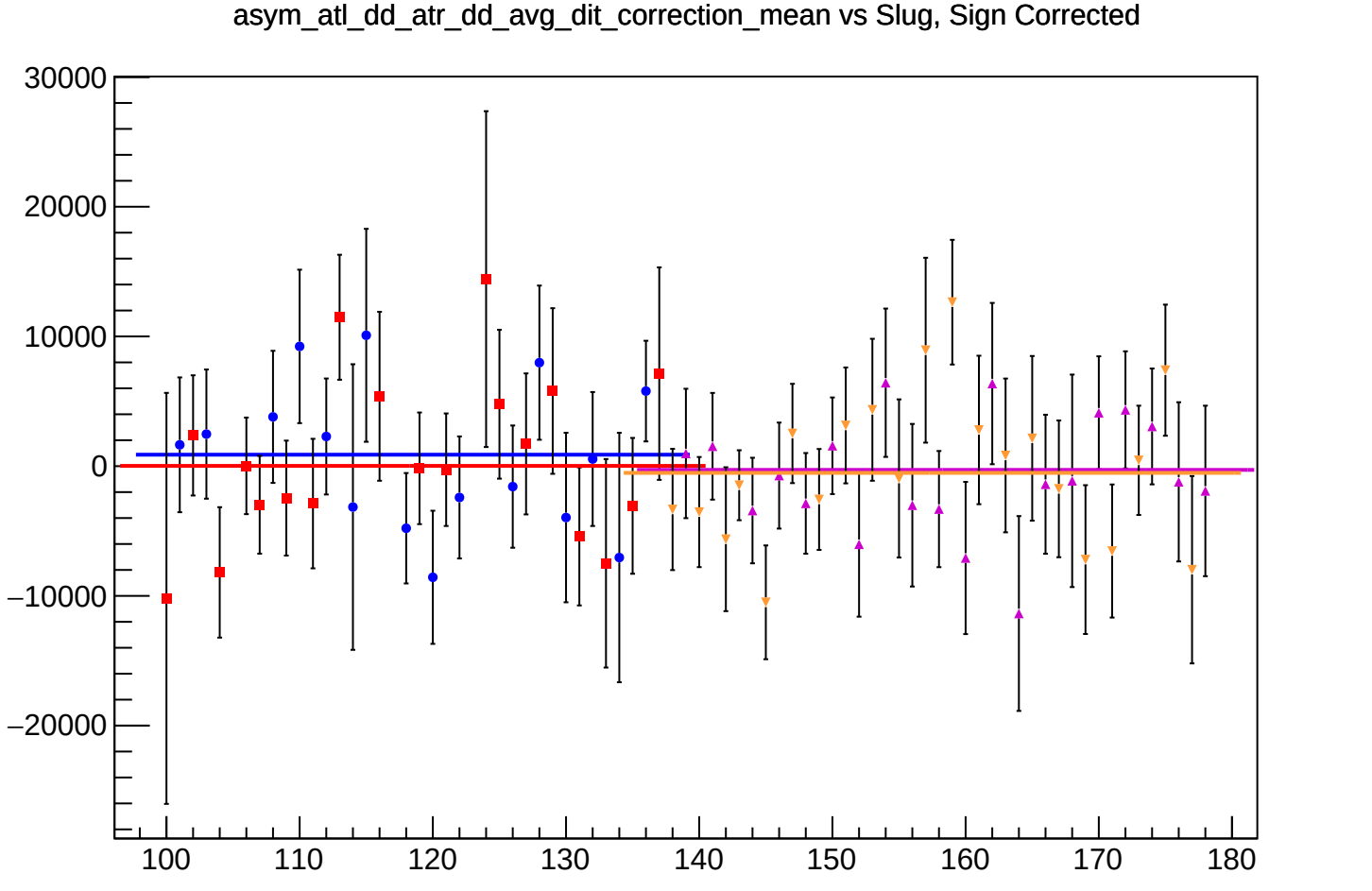
Left: 1297.735+/-0.160 χ^2/NDF: 259524.8/40

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1310.061+/-0.192 χ^2/NDF:551651.2/35

Out: 1287.885+/-0.187 χ^2/NDF:424994.4/39

All: 1298.680+/-0.134 χ^2/NDF: 983493.4/75



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: -287.074+/-1104.132 χ^2/NDF:12.1/19

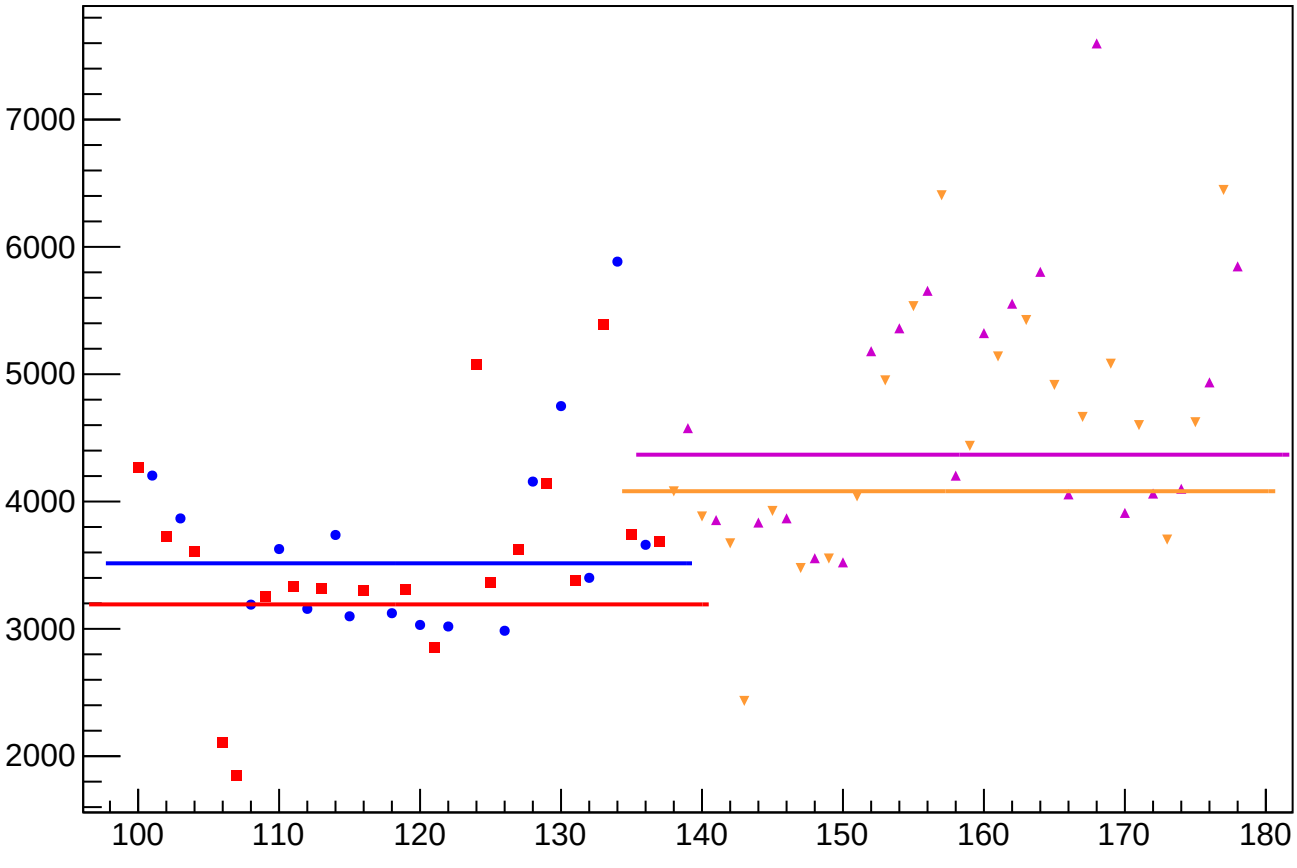
Left: -409.826+/-755.037 χ^2/NDF: 37.7/40

Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 191.856+/-848.857 χ^2/NDF:26.6/35

Out: -288.063+/-783.671 χ^2/NDF:42.5/39

All: -67.236+/-575.807 χ^2/NDF: 69.3/75



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: 4367.880+/-0.781 χ^2/NDF:1153249.4/19

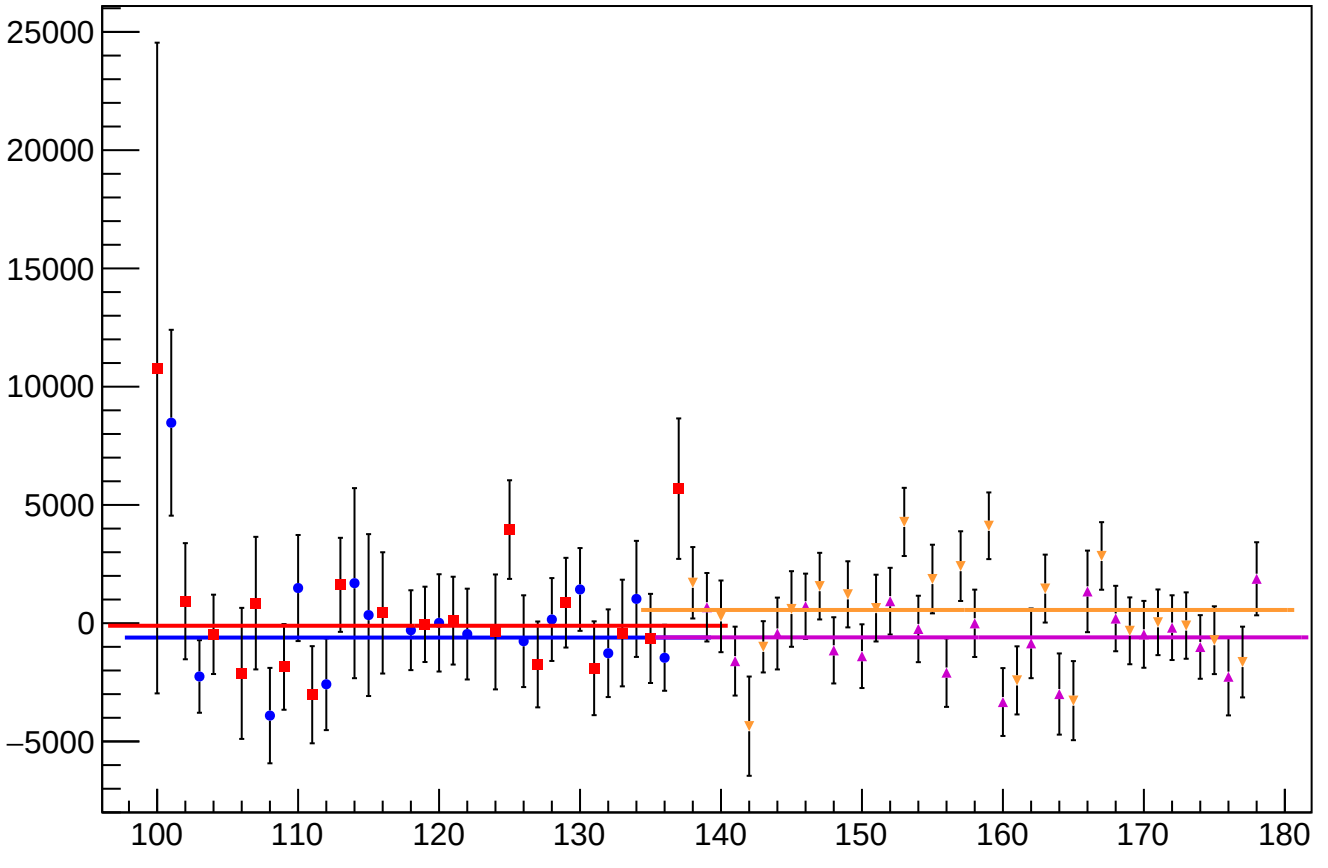
Left: 4215.160+/-0.534 χ^2/NDF: 3029081.8/40

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 4018.994+/-0.600 χ^2/NDF:2016630.0/35

Out: 3701.960+/-0.554 χ^2/NDF:3205716.7/39

All: 3847.838+/-0.407 χ^2/NDF: 5372958.0/75



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: -599.428+/-324.930 χ^2/NDF:16.2/19

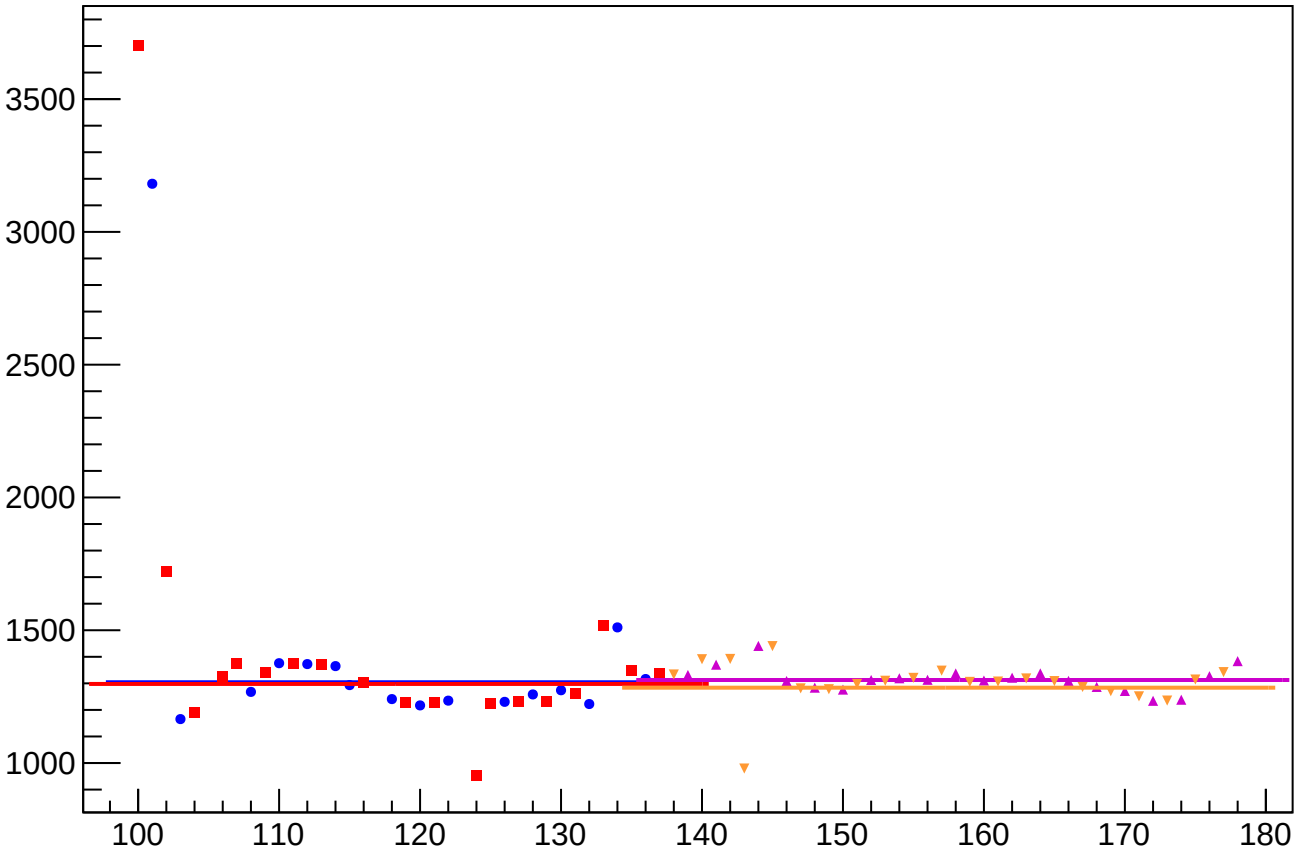
Left: -2.859+/-226.296 χ^2/NDF: 63.2/40

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -601.965+/-271.500 χ^2/NDF:30.3/35

Out: 360.968+/-264.466 χ^2/NDF:56.7/39

All: -107.863+/-189.444 χ^2/NDF: 93.4/75



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: 1312.638+/-0.230 χ^2/NDF:40647.2/19

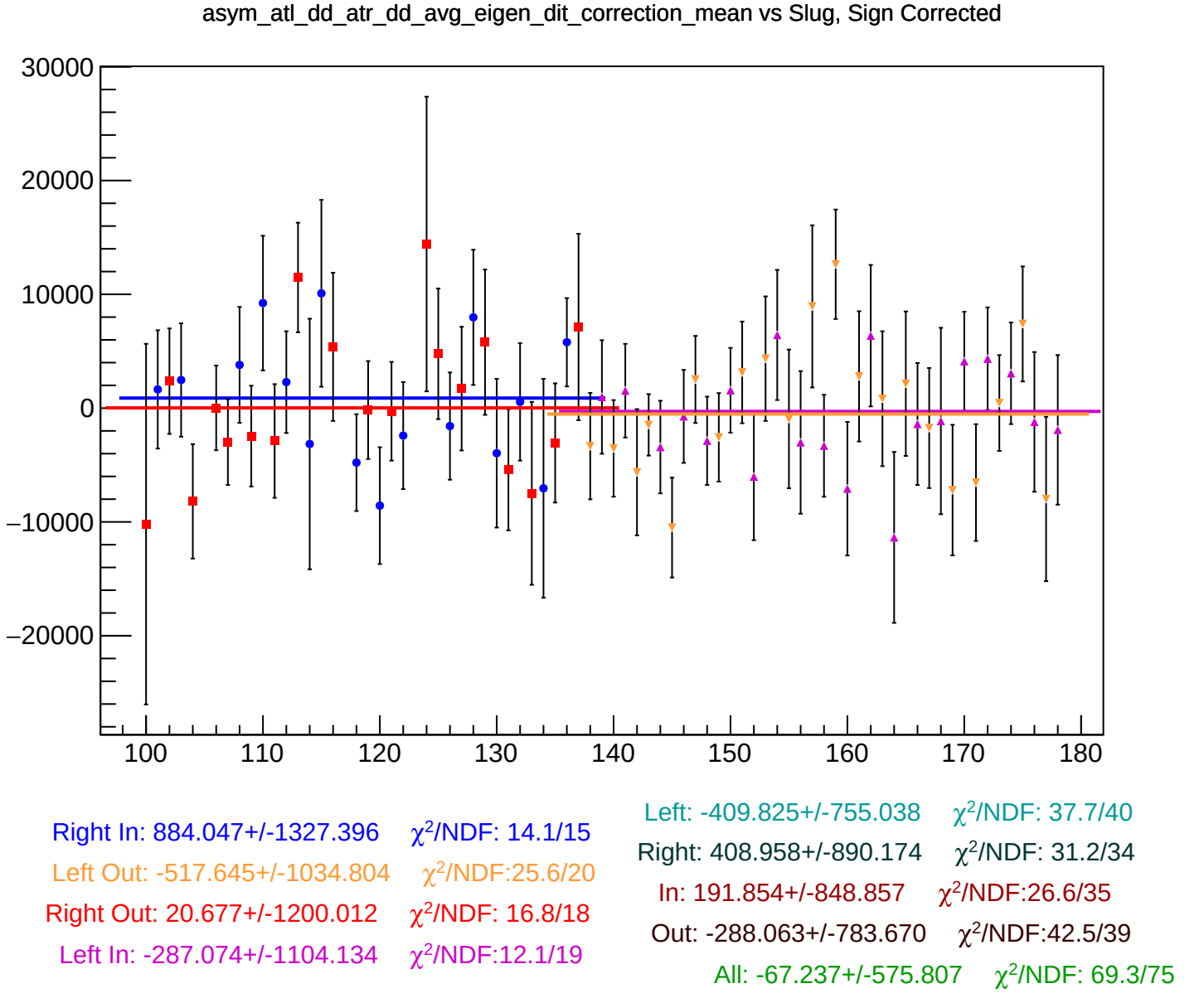
Left: 1297.736+/-0.160 χ^2/NDF: 259528.4/40

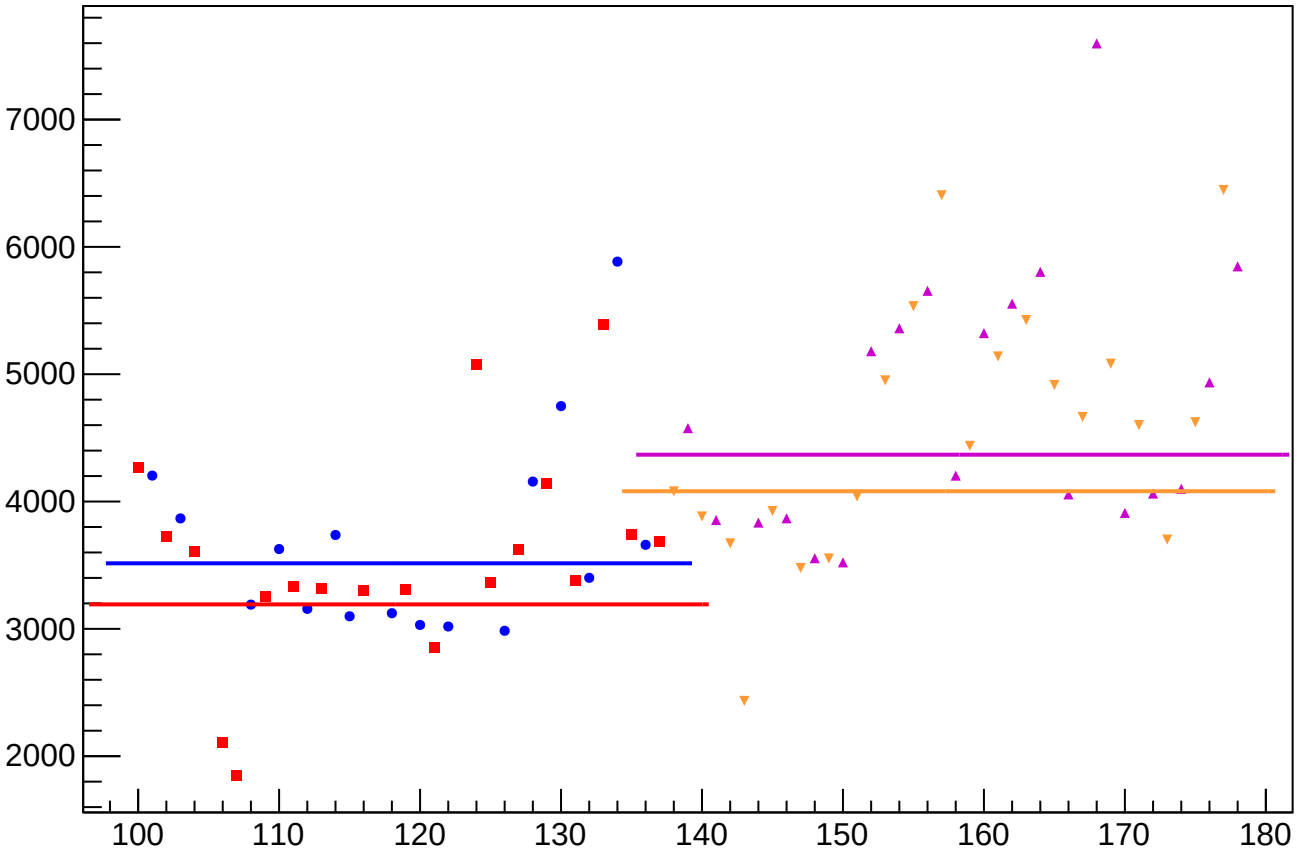
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1310.062+/-0.192 χ^2/NDF:551653.3/35

Out: 1287.886+/-0.187 χ^2/NDF:424996.0/39

All: 1298.680+/-0.134 χ^2/NDF: 983497.2/75


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: -287.074+/-1104.134 χ²/NDF:12.1/19
Left: -409.825+/-755.038 χ²/NDF: 37.7/40
Right: 408.958+/-890.174 χ²/NDF: 31.2/34
In: 191.854+/-848.857 χ²/NDF:26.6/35
Out: -288.063+/-783.670 χ²/NDF:42.5/39
All: -67.237+/-575.807 χ²/NDF: 69.3/75



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: 4367.886+/-0.781 χ^2/NDF:1153252.5/19

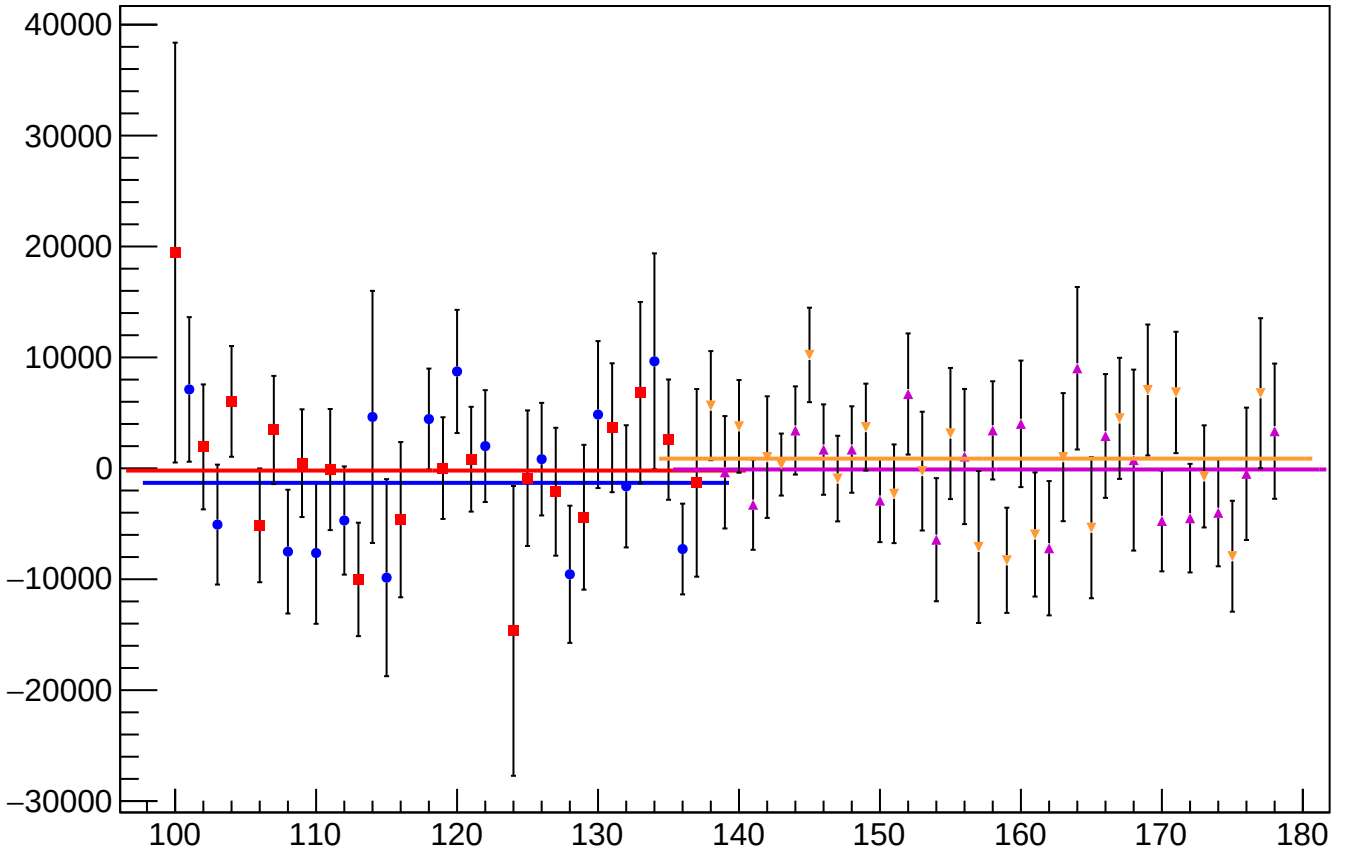
Left: 4215.166+/-0.534 χ^2/NDF: 3029086.3/40

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 4018.992+/-0.600 χ^2/NDF:2016656.0/35

Out: 3701.959+/-0.554 χ^2/NDF:3205741.6/39

All: 3847.836+/-0.407 χ^2/NDF: 5373008.8/75



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: -102.716+/-1107.223 χ^2/NDF:12.5/19

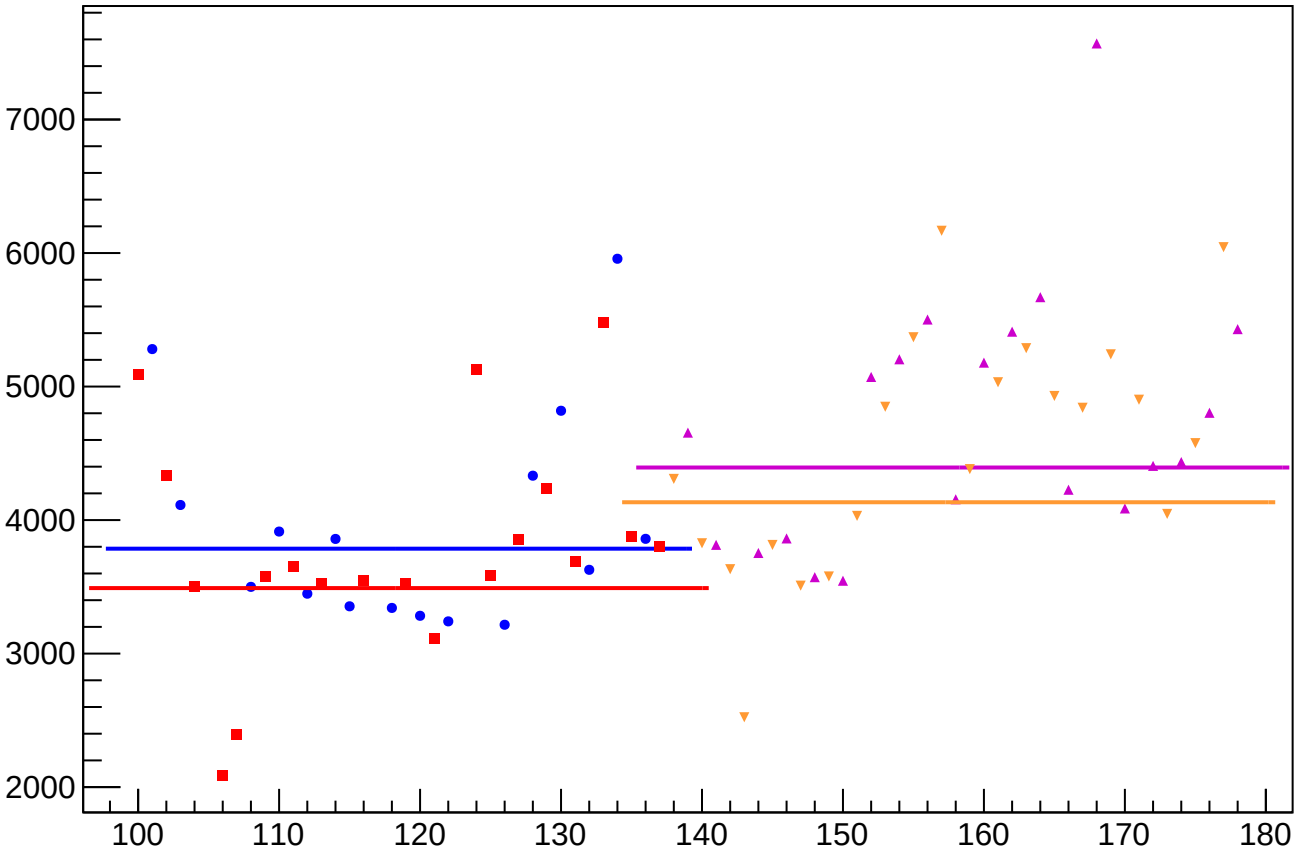
Left: 414.791+/-759.369 χ^2/NDF: 34.9/40

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -554.332+/-875.842 χ^2/NDF:30.5/35

Out: 466.749+/-822.360 χ^2/NDF:34.0/39

All: -11.666+/-599.512 χ^2/NDF: 65.2/75



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: 4393.657+/-0.783 χ^2/NDF:1004815.9/19

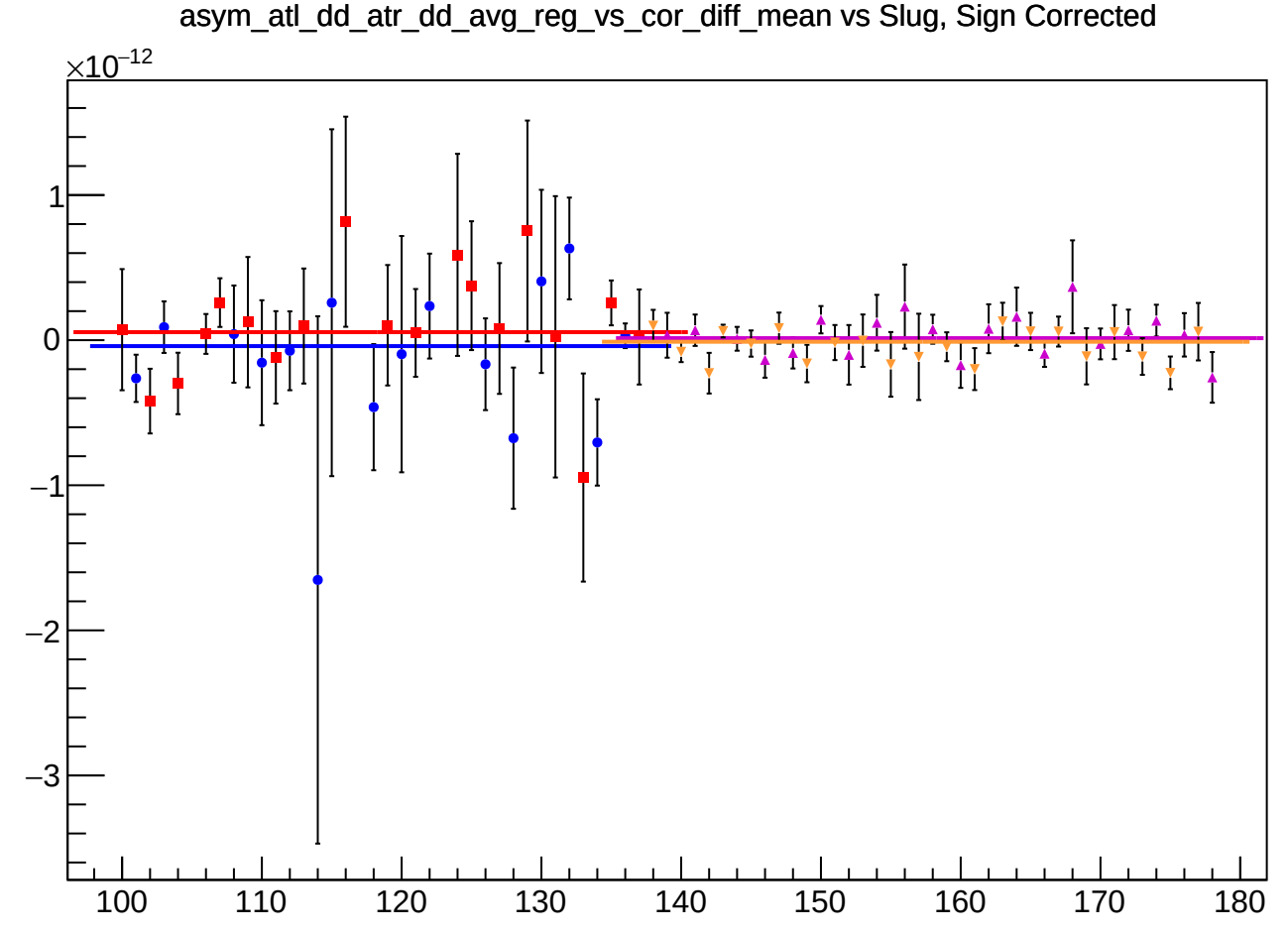
Left: 4255.878+/-0.537 χ^2/NDF: 2649155.0/40

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4166.138+/-0.619 χ^2/NDF:1613440.0/35

Out: 3885.783+/-0.578 χ^2/NDF:2465150.4/39

All: 4016.408+/-0.423 χ^2/NDF: 4188035.1/75



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:14.6/19

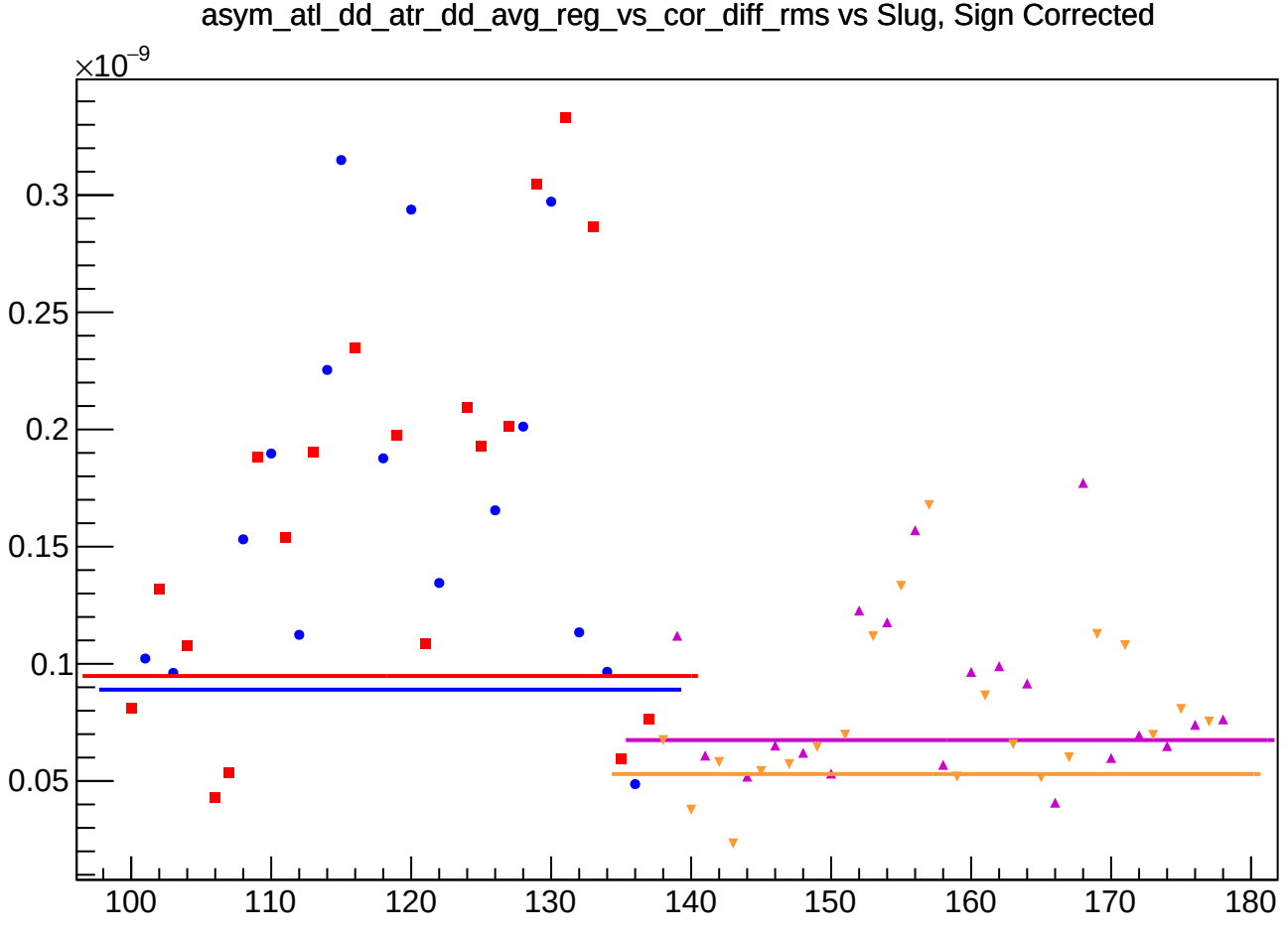
Left: -0.000+/-0.000 χ^2/NDF: 33.5/40

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:32.0/35

Out: -0.000+/-0.000 χ^2/NDF:35.3/39

All: -0.000+/-0.000 χ^2/NDF: 67.3/75



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:1385441.0/19

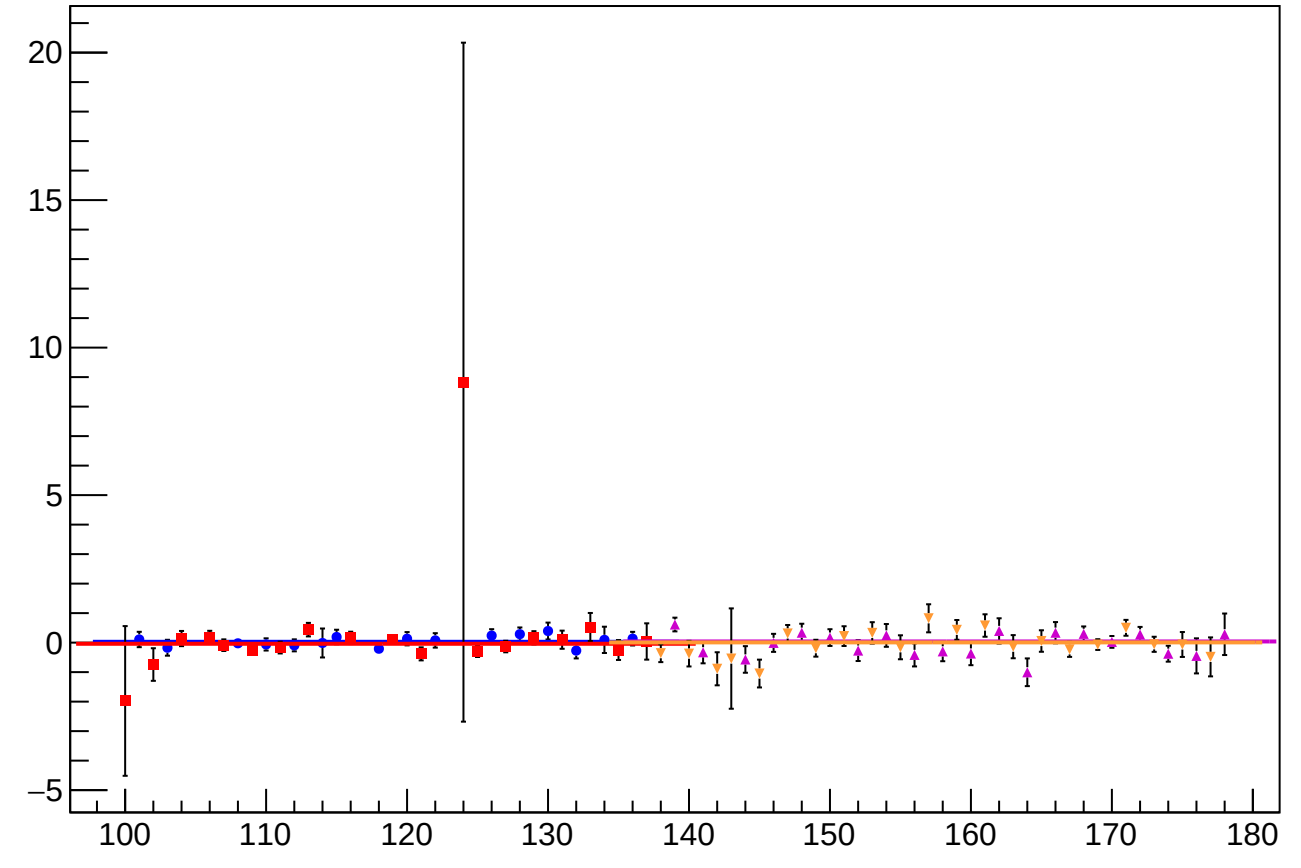
Left: 0.000+/-0.000 χ^2/NDF: 4242708.1/40

Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:3061986.9/35

Out: 0.000+/-0.000 χ^2/NDF:5037116.3/39

All: 0.000+/-0.000 χ^2/NDF: 8425864.5/75



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: 0.040+/-0.072 χ^2/NDF:26.0/19

Left: 0.024+/-0.051 χ^2/NDF: 50.9/40

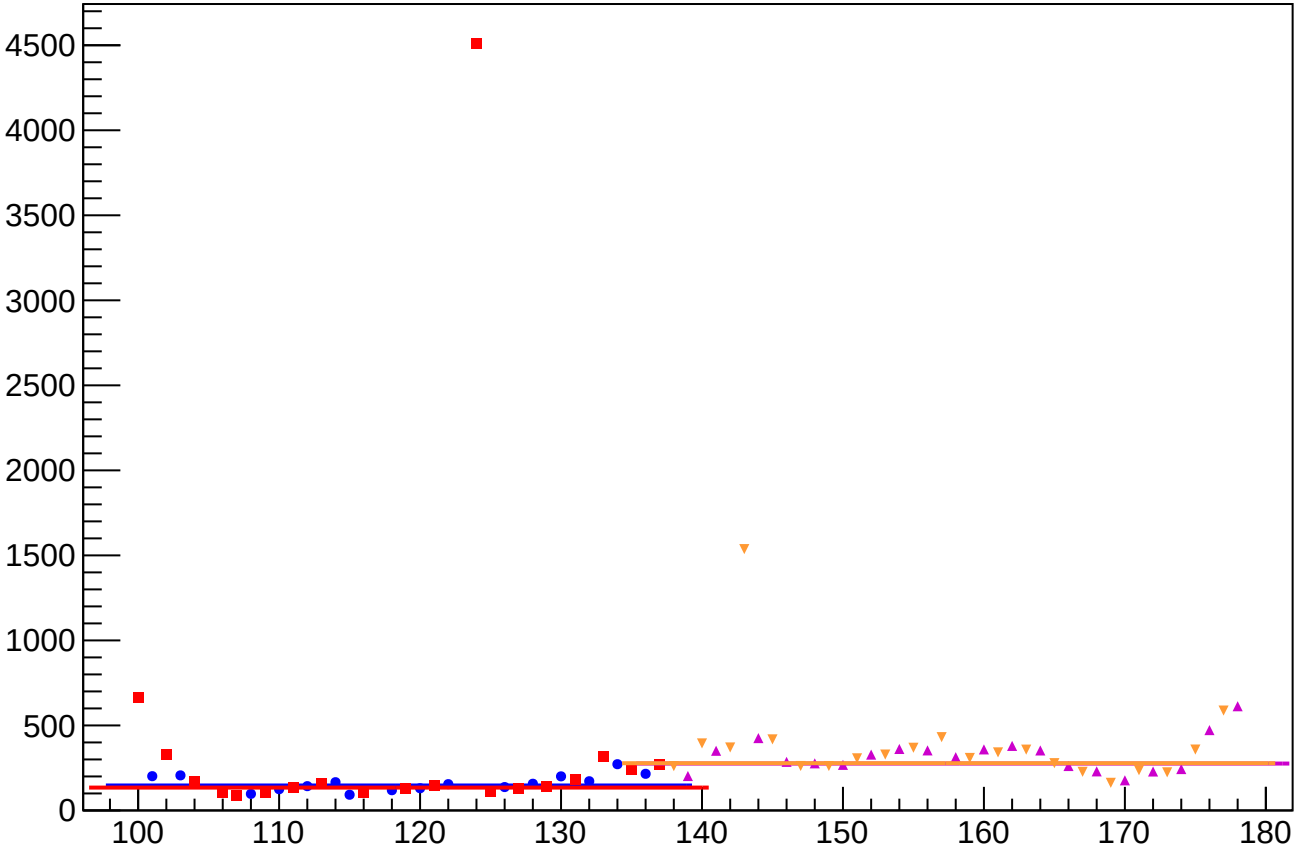
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.032+/-0.045 χ^2/NDF:35.4/35

Out: -0.022+/-0.044 χ^2/NDF:45.1/39

All: 0.004+/-0.031 χ^2/NDF: 81.3/75

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: 275.800+/-0.051 χ^2/NDF:2341639.7/19

Left: 276.816+/-0.036 χ^2/NDF: 5879196.0/40

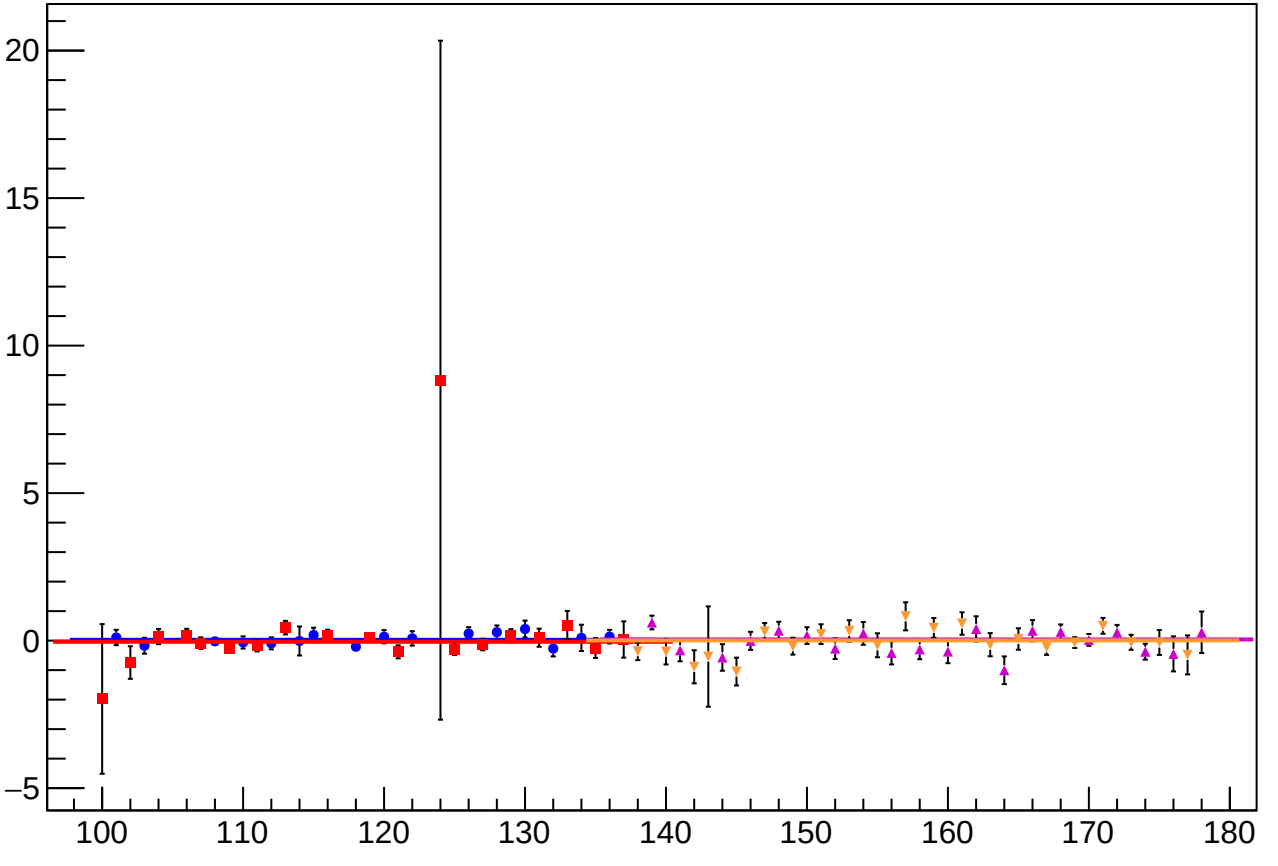
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 197.389+/-0.032 χ^2/NDF:7257238.9/35

Out: 186.188+/-0.031 χ^2/NDF:10081368.0/39

All: 191.639+/-0.022 χ^2/NDF: 17402242.1/75

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: 0.040+/-0.072 χ^2/NDF:26.0/19

Left: 0.024+/-0.051 χ^2/NDF: 50.9/40

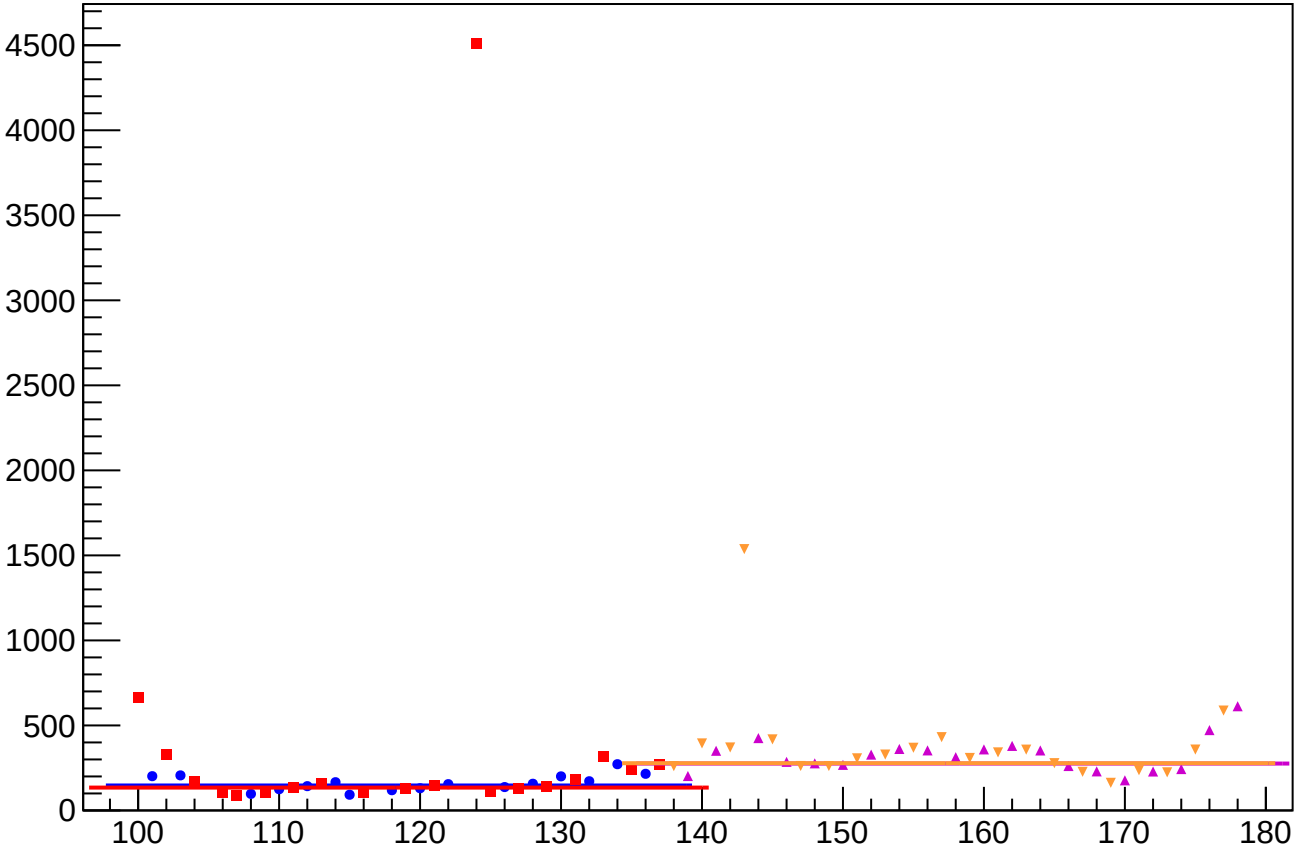
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.032+/-0.045 χ^2/NDF:35.4/35

Out: -0.022+/-0.044 χ^2/NDF:45.1/39

All: 0.004+/-0.031 χ^2/NDF: 81.3/75

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: 275.800+/-0.051 χ^2/NDF:2341639.7/19

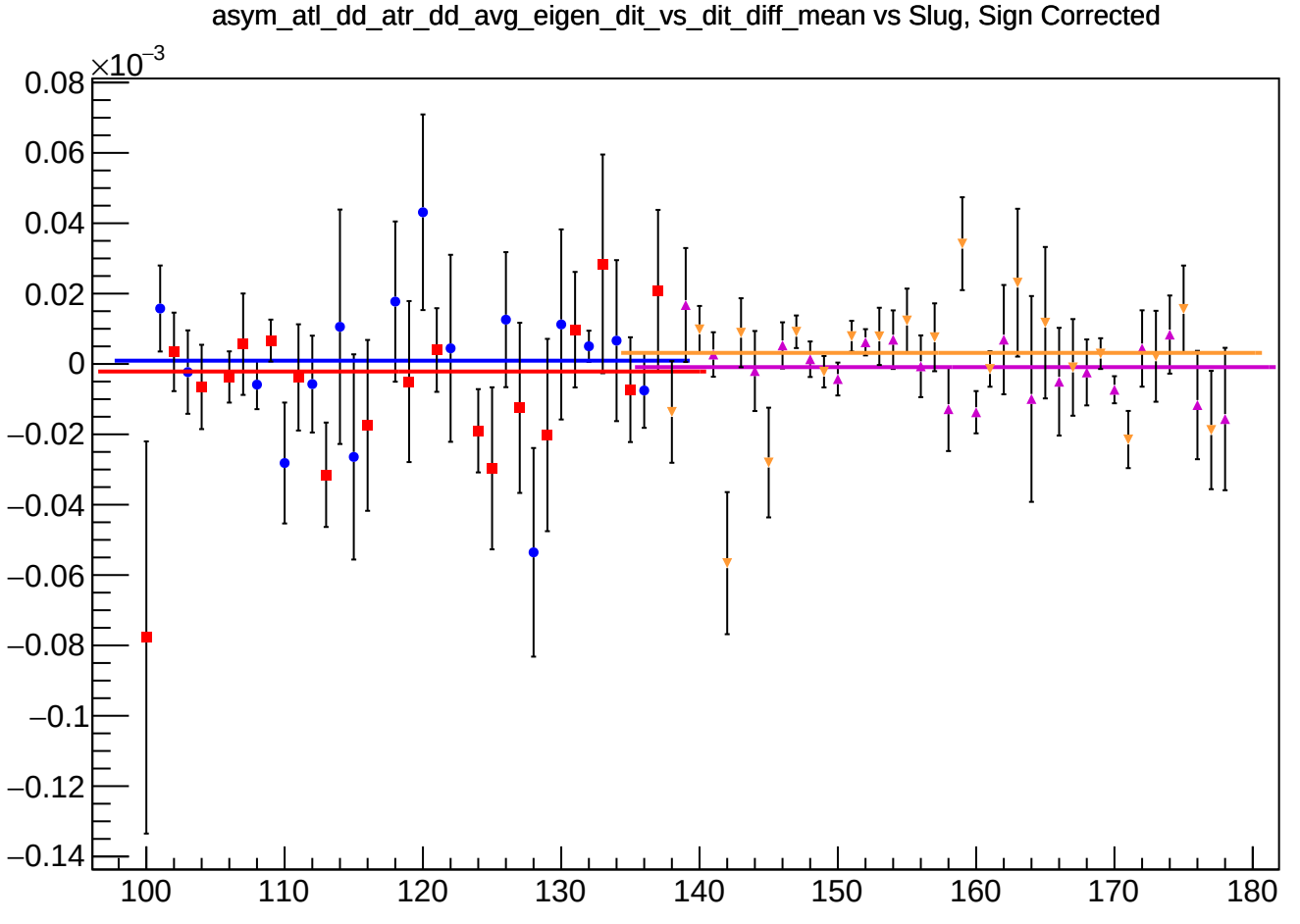
Left: 276.816+/-0.036 χ^2/NDF: 5879196.0/40

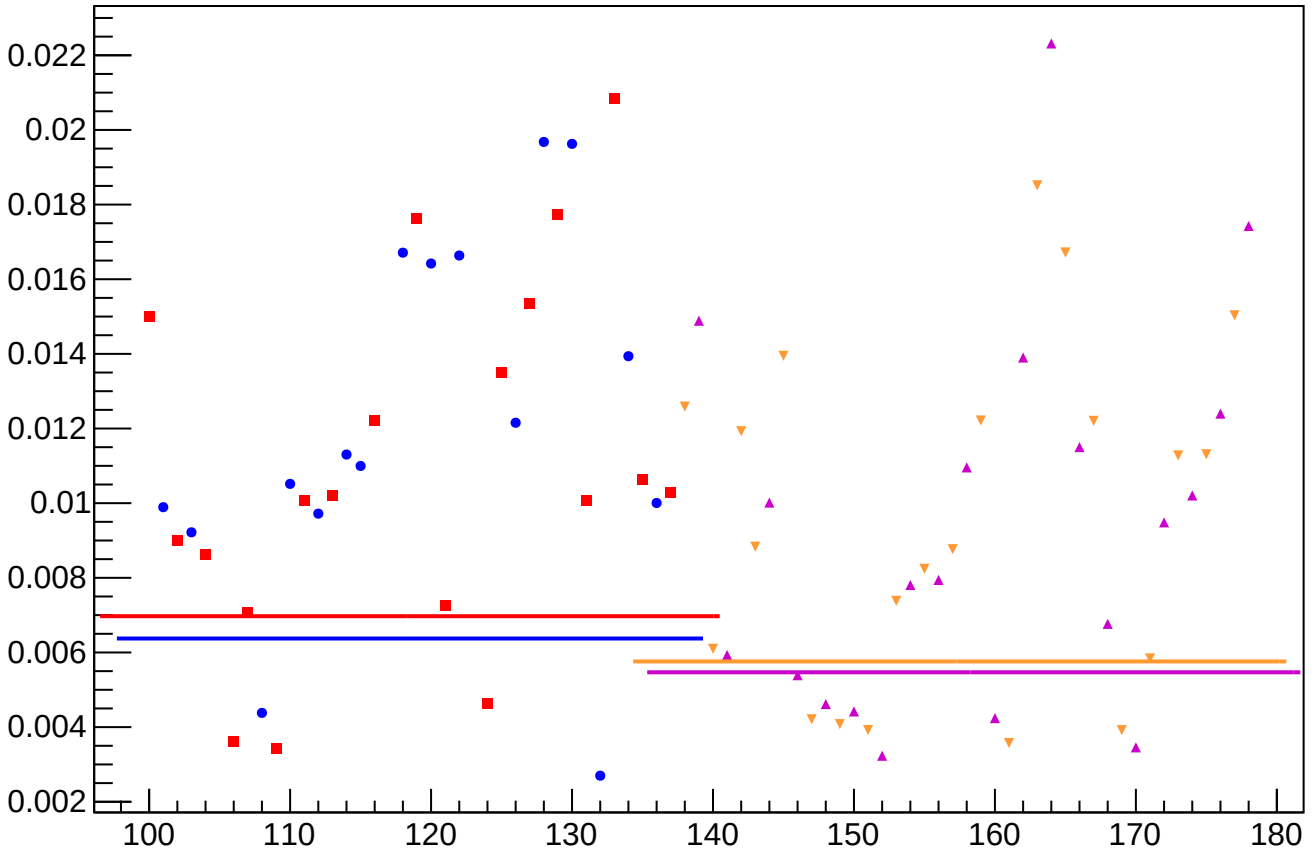
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 197.389+/-0.032 χ^2/NDF:7257238.9/35

Out: 186.188+/-0.031 χ^2/NDF:10081368.0/39

All: 191.639+/-0.022 χ^2/NDF: 17402242.1/75


asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: 0.000+/-0.000 χ²/NDF:40.7/20
Right Out: -0.000+/-0.000 χ²/NDF: 16.0/18
Left In: -0.000+/-0.000 χ²/NDF:18.3/19
Left: 0.000+/-0.000 χ²/NDF: 62.2/40
Right: -0.000+/-0.000 χ²/NDF: 31.5/34
In: -0.000+/-0.000 χ²/NDF:33.5/35
Out: 0.000+/-0.000 χ²/NDF:59.1/39
All: 0.000+/-0.000 χ²/NDF: 94.1/75



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:6595169.1/19

Left: 0.006+/-0.000 χ^2/NDF: 13580315.6/40

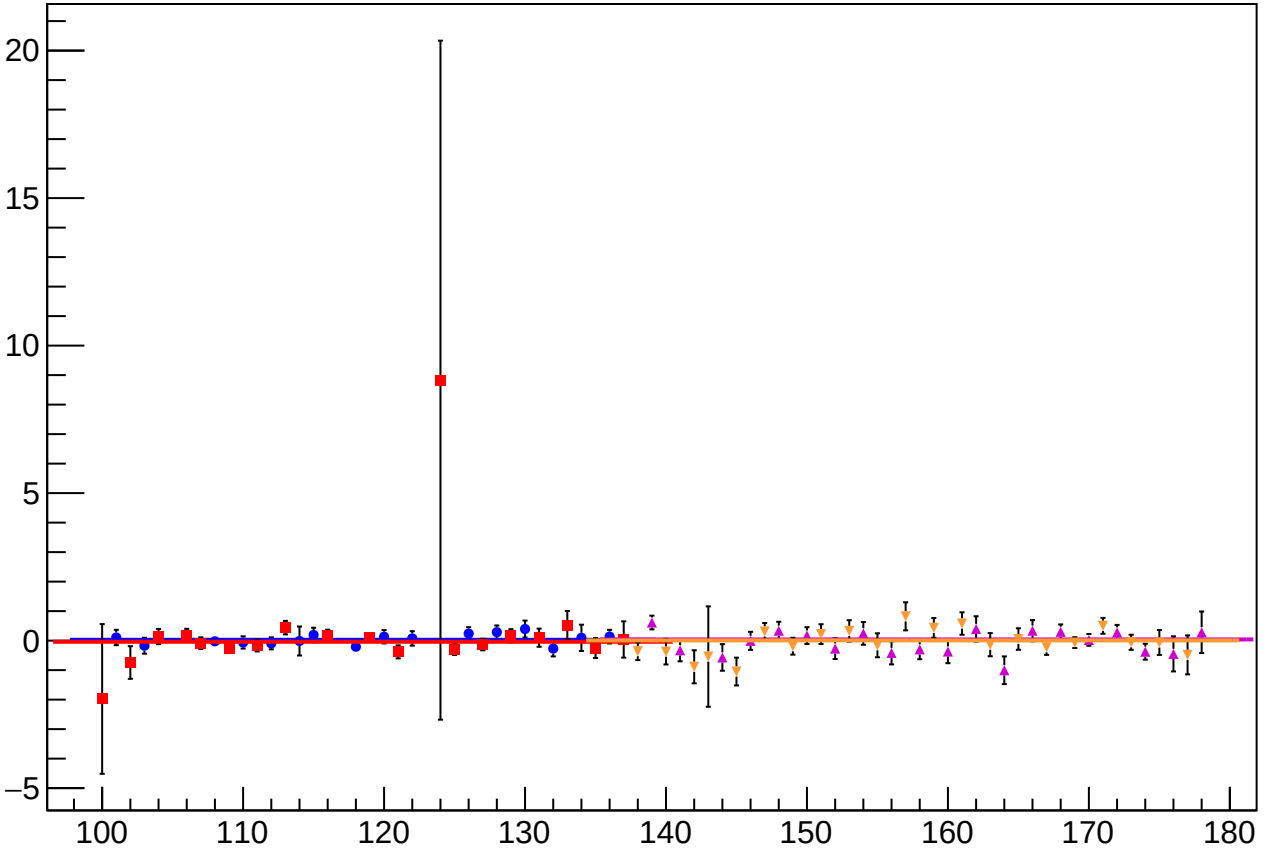
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:11382330.1/35

Out: 0.006+/-0.000 χ^2/NDF:10612034.2/39

All: 0.006+/-0.000 χ^2/NDF: 22058554.1/75

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: 0.040+/-0.072 χ^2/NDF:26.0/19

Left: 0.024+/-0.051 χ^2/NDF: 50.9/40

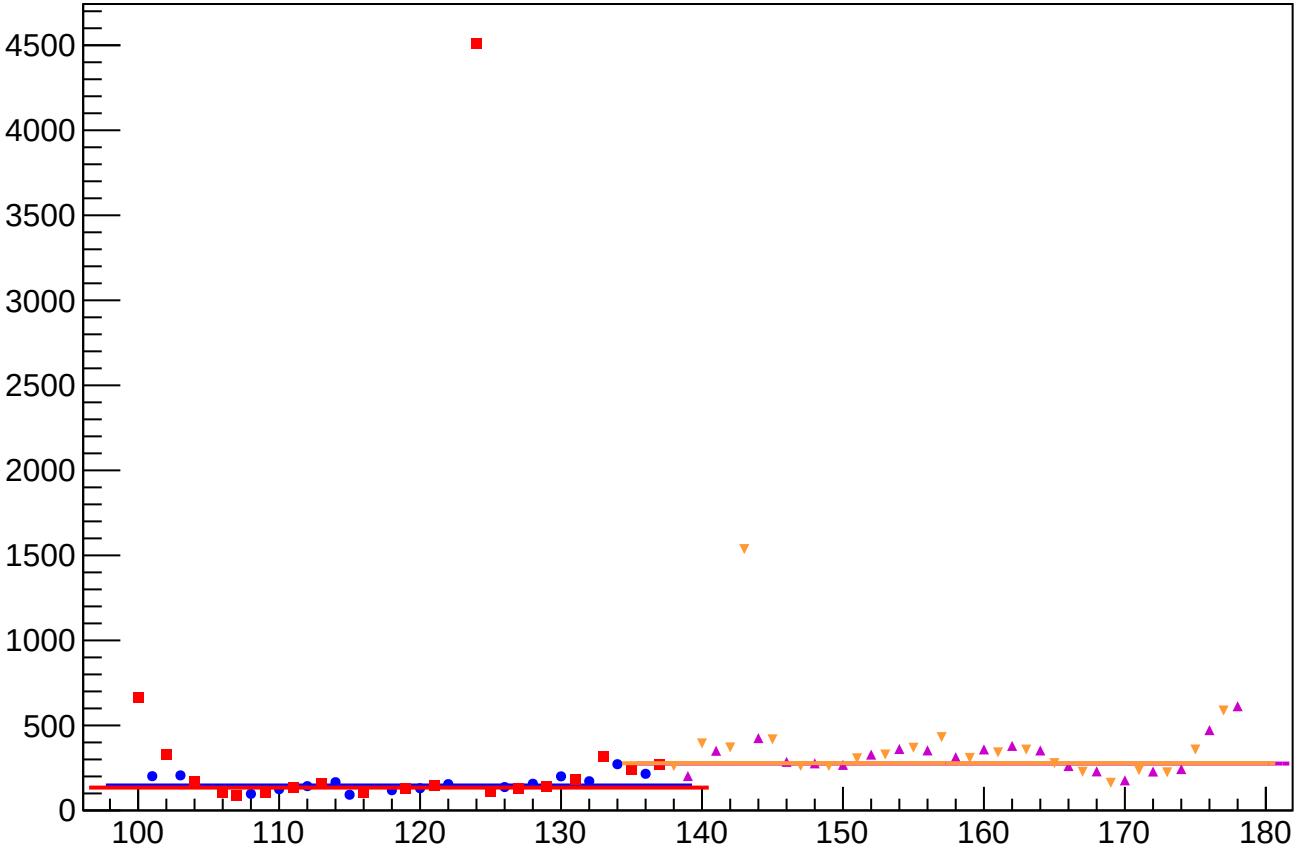
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.032+/-0.045 χ^2/NDF:35.4/35

Out: -0.022+/-0.044 χ^2/NDF:45.1/39

All: 0.004+/-0.031 χ^2/NDF: 81.3/75

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: 275.802+/-0.051 χ^2/NDF:2341728.8/19

Left: 276.816+/-0.036 χ^2/NDF: 5879435.6/40

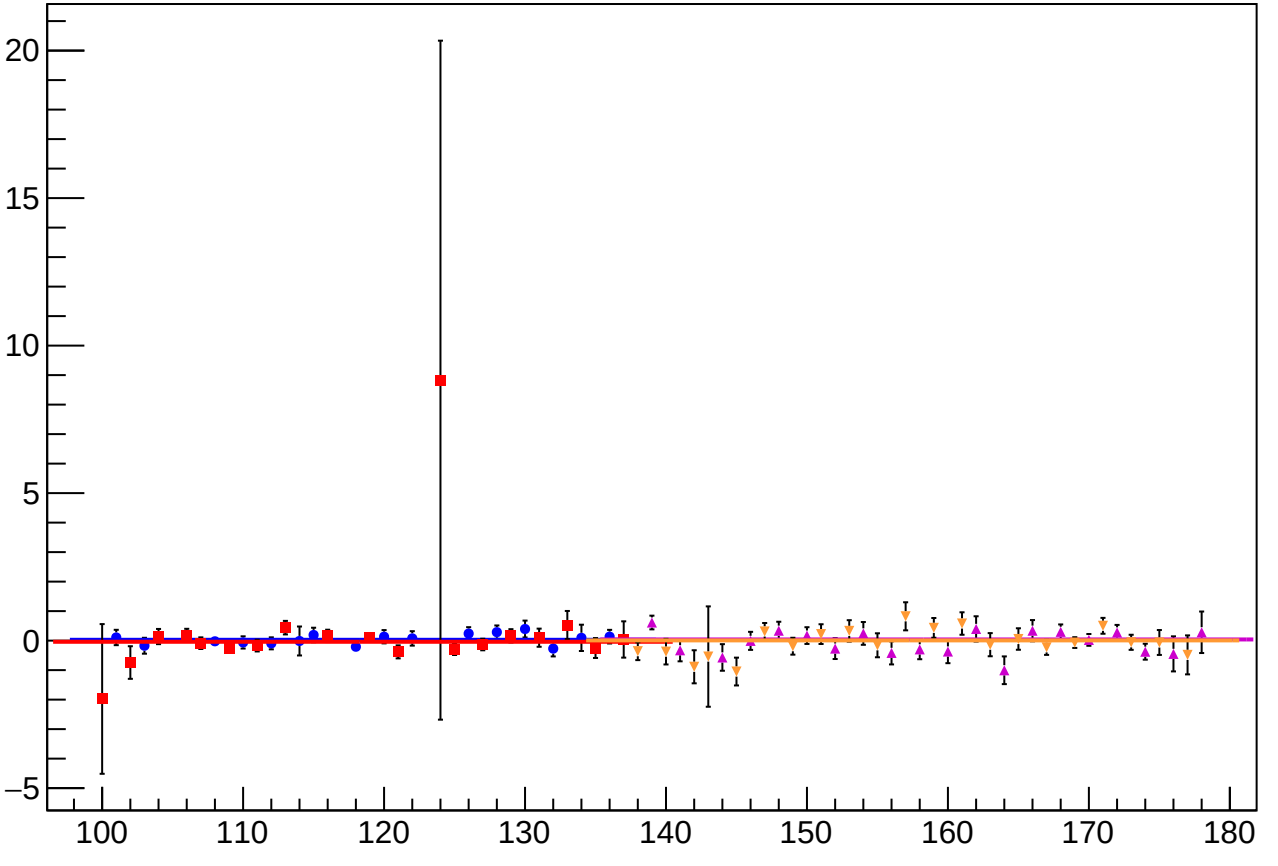
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 197.389+/-0.032 χ^2/NDF:7257334.5/35

Out: 186.189+/-0.031 χ^2/NDF:10081320.3/39

All: 191.639+/-0.022 χ^2/NDF: 17402277.1/75

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: 0.040+/-0.072 χ^2/NDF:26.0/19

Left: 0.024+/-0.051 χ^2/NDF: 50.9/40

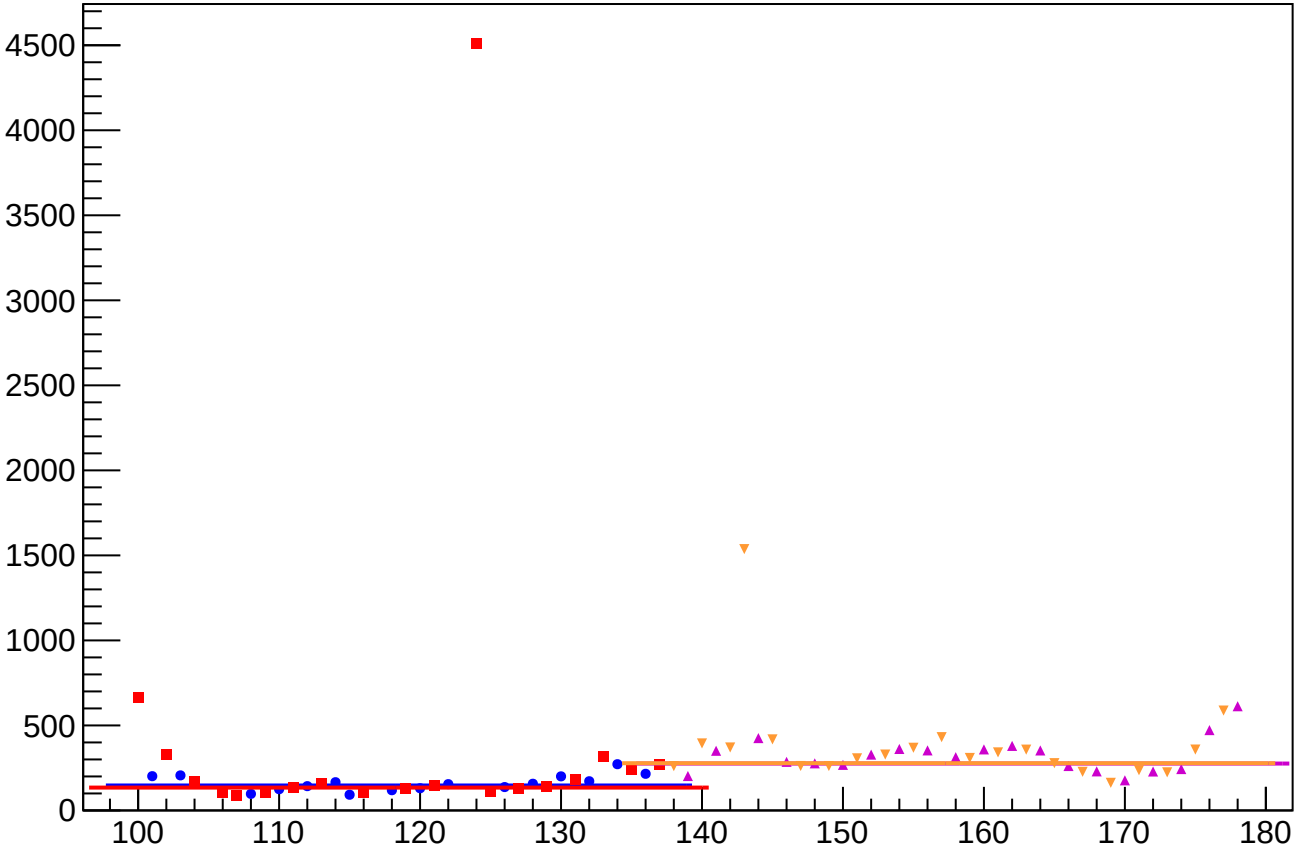
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.032+/-0.045 χ^2/NDF:35.4/35

Out: -0.022+/-0.044 χ^2/NDF:45.1/39

All: 0.004+/-0.031 χ^2/NDF: 81.3/75

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: 275.802+/-0.051 χ^2/NDF:2341728.8/19

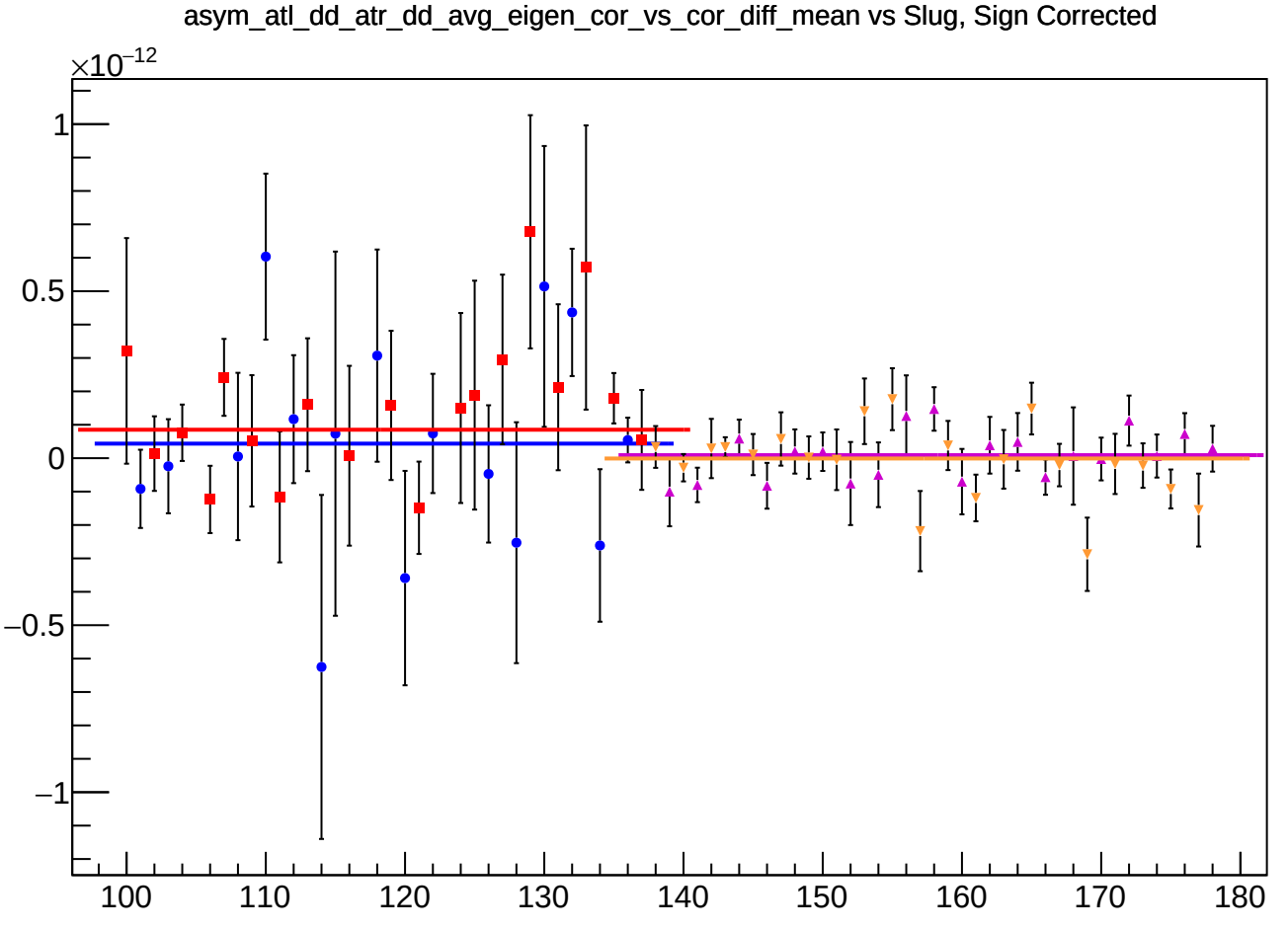
Left: 276.816+/-0.036 χ^2/NDF: 5879435.6/40

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 197.389+/-0.032 χ^2/NDF:7257334.5/35

Out: 186.189+/-0.031 χ^2/NDF:10081320.3/39

All: 191.639+/-0.022 χ^2/NDF: 17402277.1/75



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:18.6/19

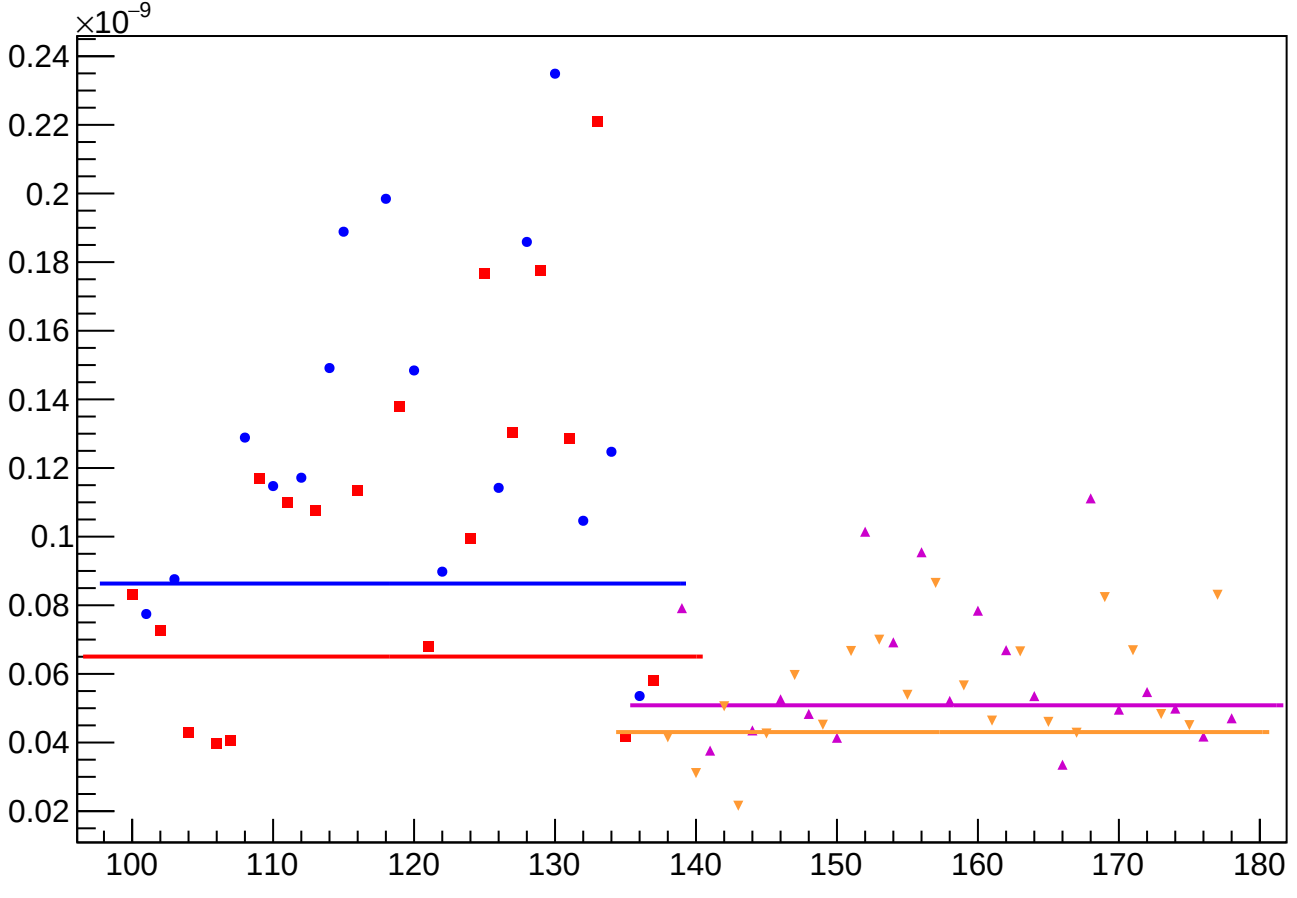
Left: 0.000+/-0.000 χ^2/NDF: 49.0/40

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:38.1/35

Out: 0.000+/-0.000 χ^2/NDF:53.8/39

All: 0.000+/-0.000 χ^2/NDF: 91.9/75



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:1889080.7/19

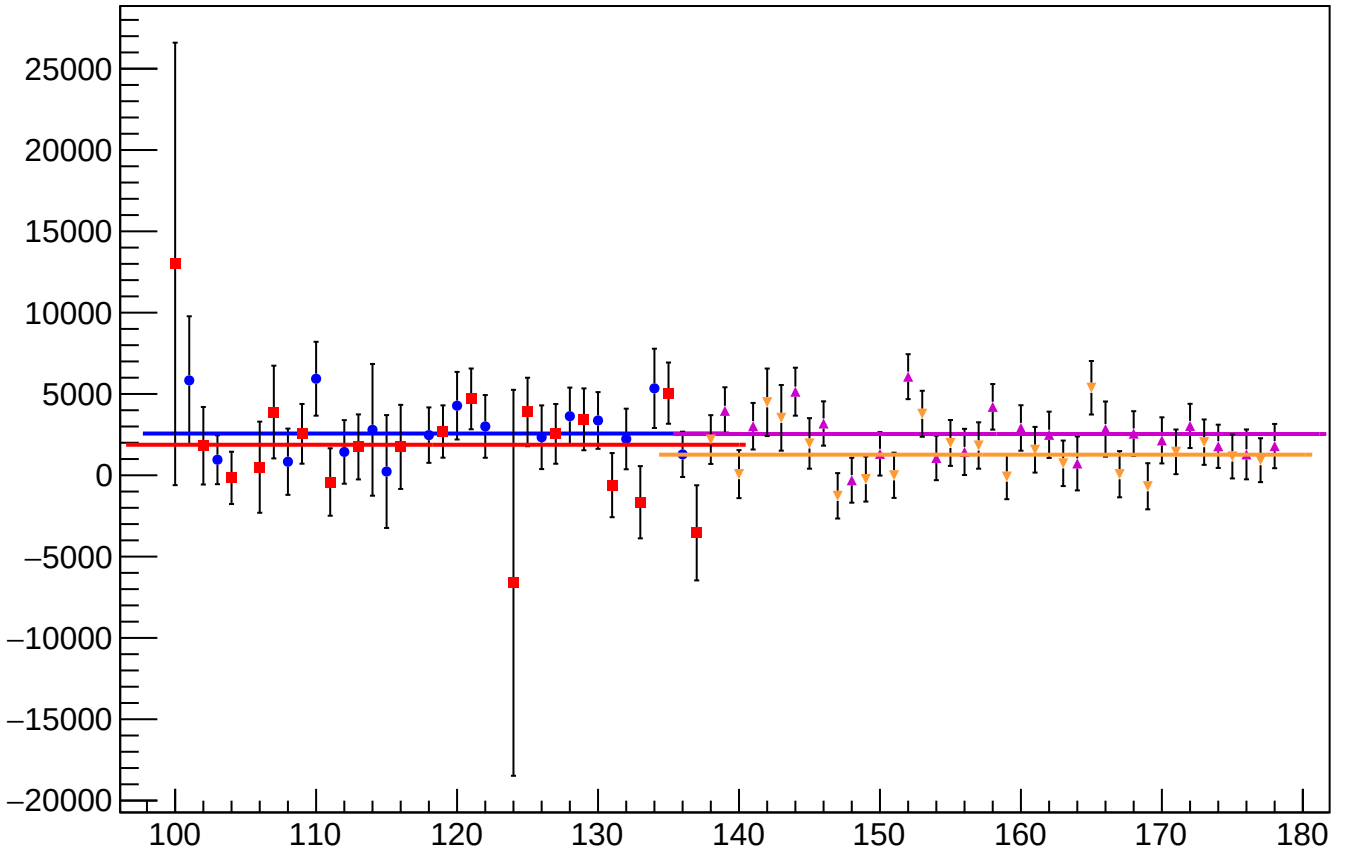
Left: 0.000+/-0.000 χ^2/NDF: 4953860.1/40

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:4664067.6/35

Out: 0.000+/-0.000 χ^2/NDF:5662511.0/39

All: 0.000+/-0.000 χ^2/NDF: 10727177.2/75



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: 2537.658+/-317.431 χ^2/NDF:22.0/19

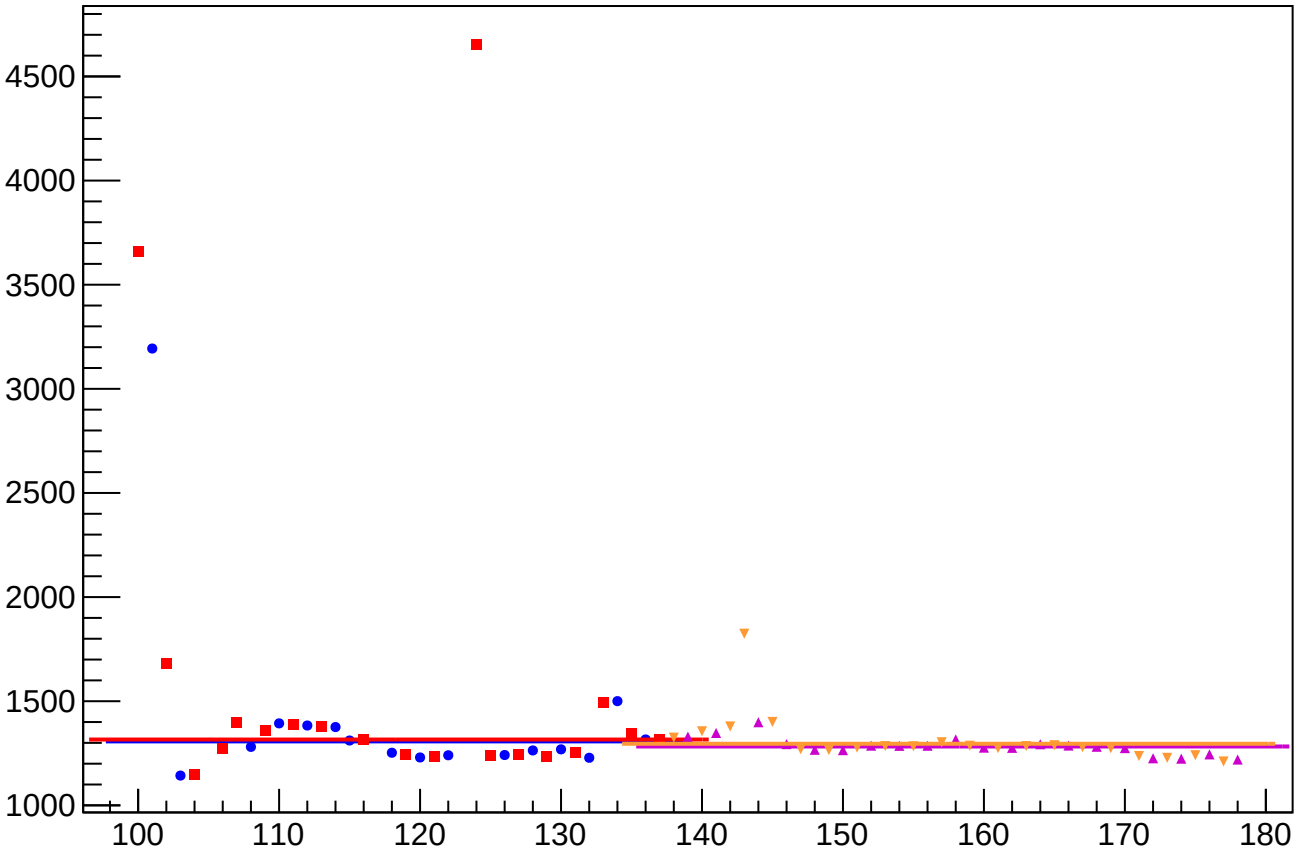
Left: 1903.810+/-224.692 χ^2/NDF: 54.1/40

Right: 2222.296+/-350.047 χ^2/NDF: 29.6/34

In: 2546.333+/-267.266 χ^2/NDF:31.0/35

Out: 1445.943+/-267.559 χ^2/NDF:44.8/39

All: 1996.743+/-189.089 χ^2/NDF: 84.3/75



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: 1282.630+/-0.224 χ^2/NDF:33731.3/19

Left: 1289.143+/-0.159 χ^2/NDF: 212136.6/40

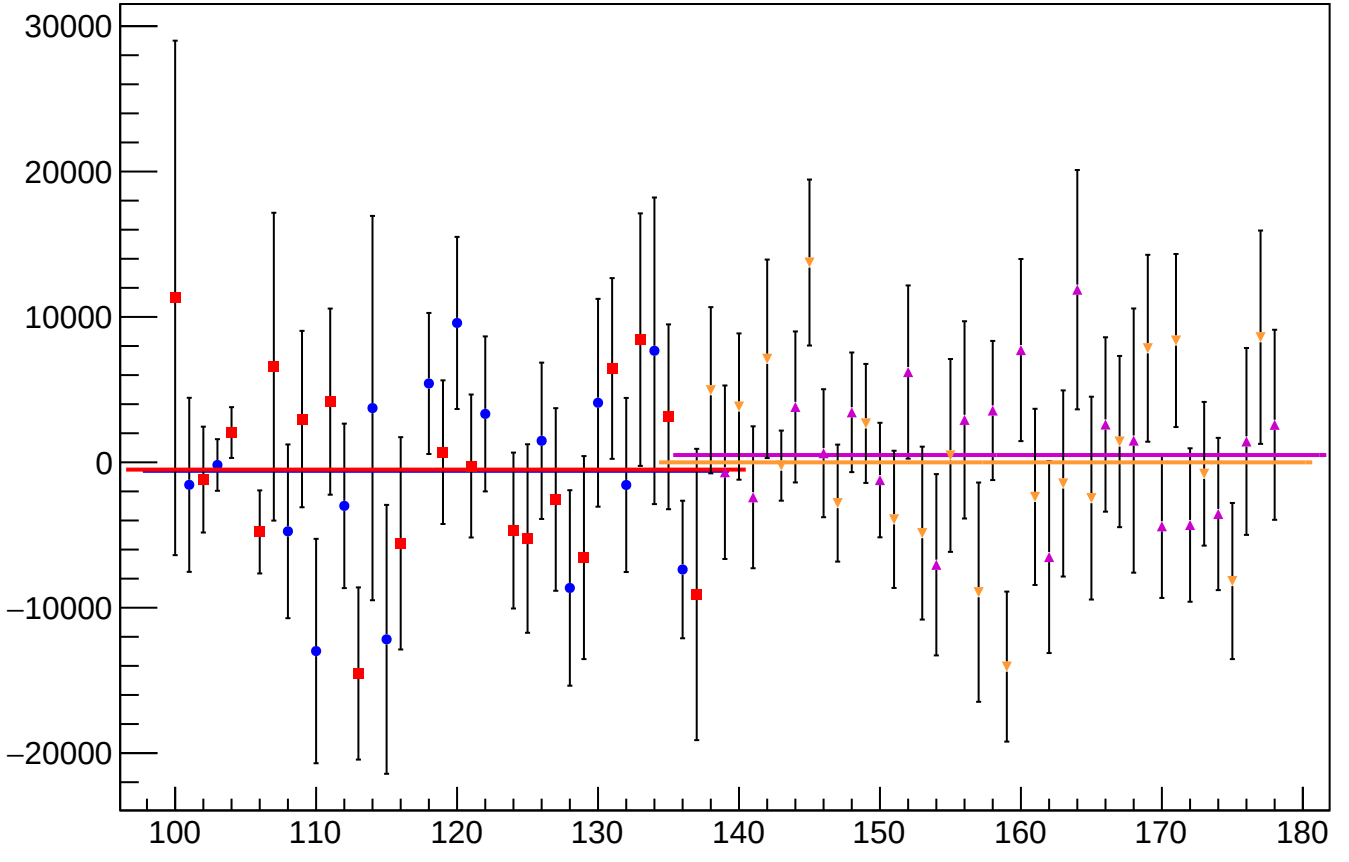
Right: 1311.551+/-0.247 χ^2/NDF: 842995.4/34

In: 1289.744+/-0.189 χ^2/NDF:553430.9/35

Out: 1301.647+/-0.189 χ^2/NDF:505533.8/39

All: 1295.694+/-0.134 χ^2/NDF: 1060947.7/75

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: 502.032+/-1225.469 χ^2/NDF:11.5/19

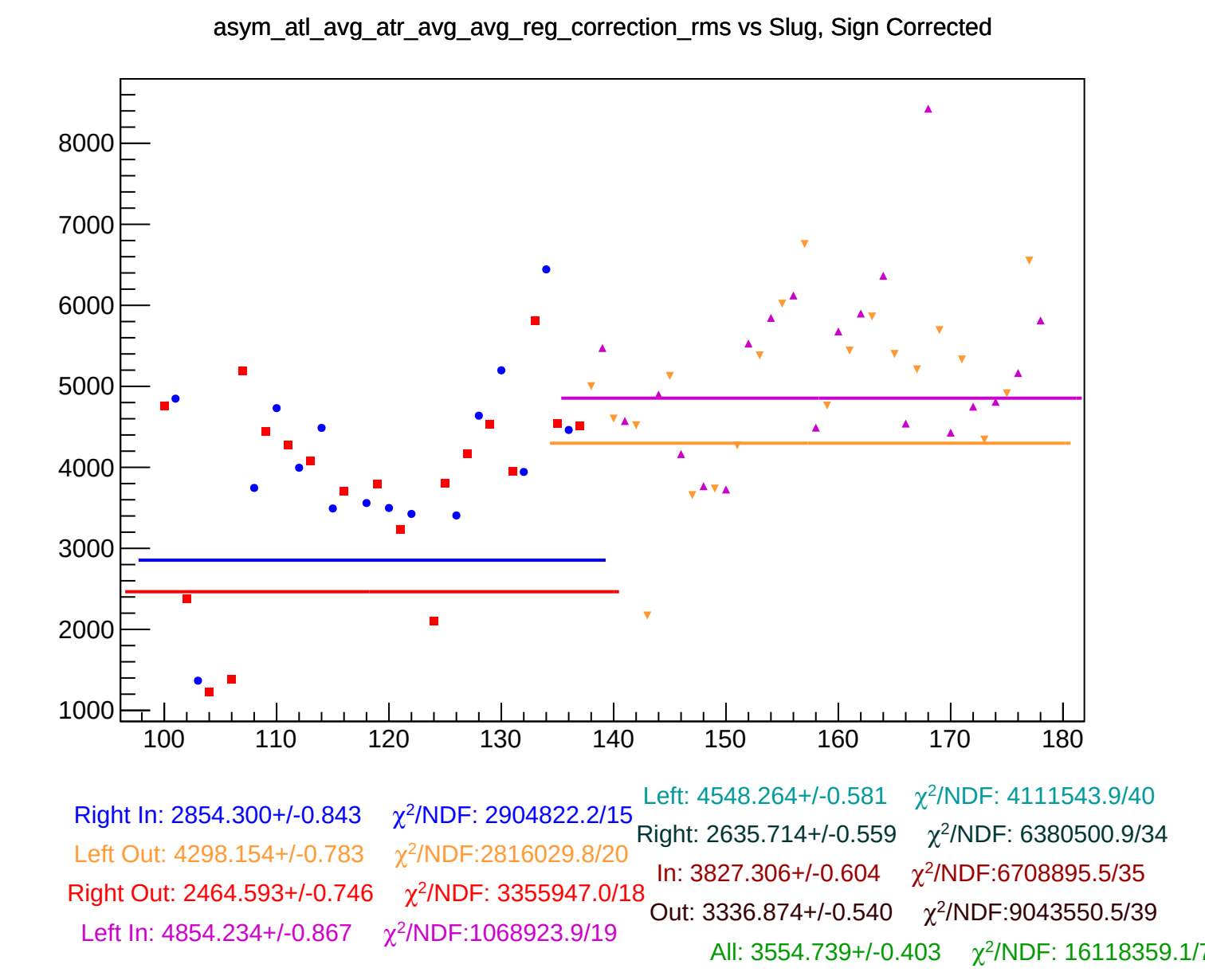
Left: 224.966+/-821.862 χ^2/NDF: 38.5/40

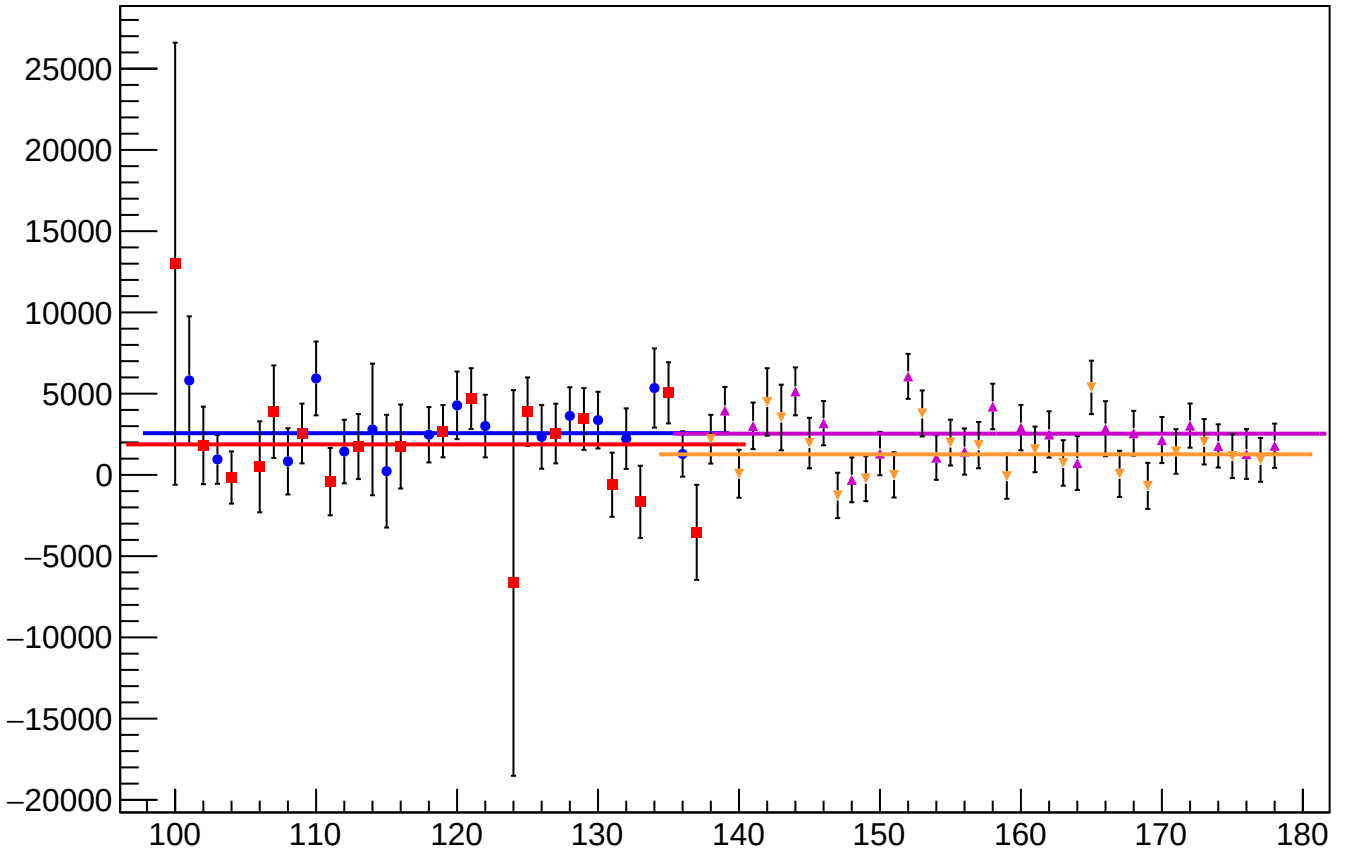
Right: -535.969+/-790.447 χ^2/NDF: 32.4/34

In: -54.490+/-854.776 χ^2/NDF:26.6/35

Out: -262.907+/-764.202 χ^2/NDF:44.7/39

All: -170.322+/-569.713 χ^2/NDF: 71.3/75


asym_atl_avg_atr_avg_avg_reg_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
180
Right In: 2854.300+/-0.843 χ²/NDF: 2904822.2/15
Left Out: 4298.154+/-0.783 χ²/NDF:2816029.8/20
Right Out: 2464.593+/-0.746 χ²/NDF: 3355947.0/18
Left In: 4854.234+/-0.867 χ²/NDF:1068923.9/19
Left: 4548.264+/-0.581 χ²/NDF: 4111543.9/40
Right: 2635.714+/-0.559 χ²/NDF: 6380500.9/34
In: 3827.306+/-0.604 χ²/NDF:6708895.5/35
Out: 3336.874+/-0.540 χ²/NDF:9043550.5/39
All: 3554.739+/-0.403 χ²/NDF: 16118359.1/7



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: 2537.655+/-317.431 χ^2/NDF:22.0/19

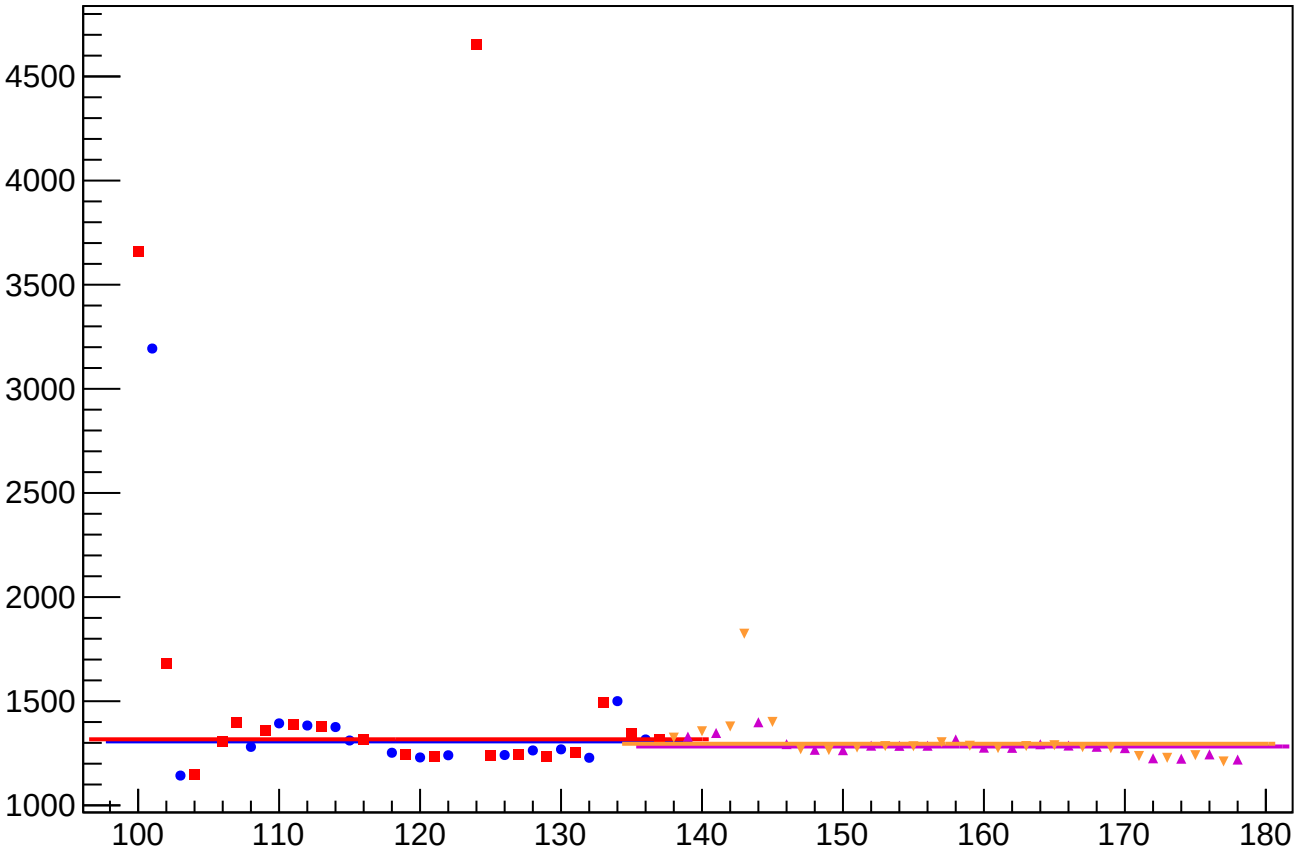
Left: 1903.777+/-224.692 χ^2/NDF: 54.1/40

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2546.250+/-267.266 χ^2/NDF:31.0/35

Out: 1445.824+/-267.559 χ^2/NDF:44.8/39

All: 1996.642+/-189.089 χ^2/NDF: 84.3/75



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: 1282.630+/-0.224 χ^2/NDF:33731.3/19

Left: 1289.143+/-0.159 χ^2/NDF: 212136.6/40

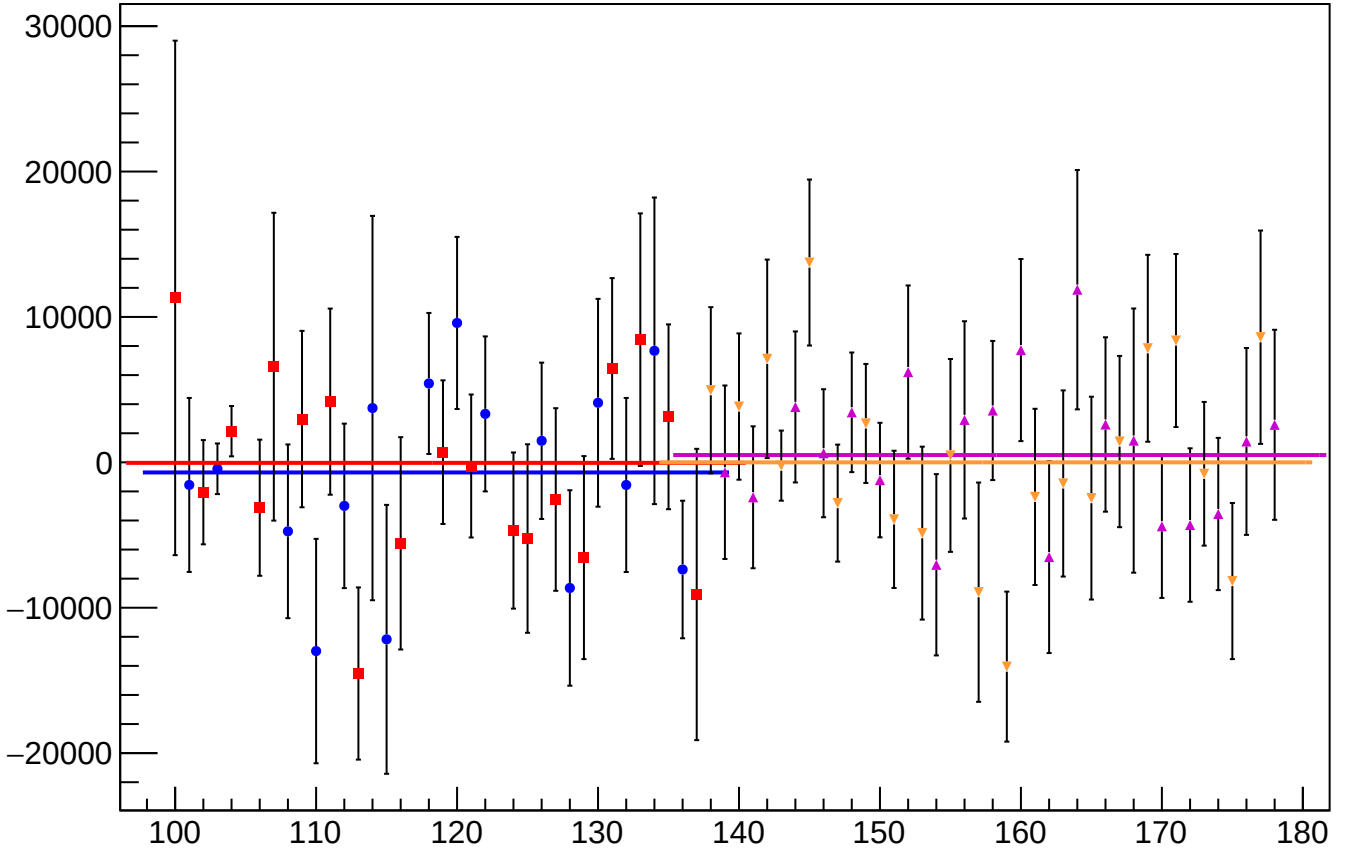
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1289.744+/-0.189 χ^2/NDF:553432.4/35

Out: 1301.972+/-0.189 χ^2/NDF:505311.3/39

All: 1295.855+/-0.134 χ^2/NDF: 1060835.8/75

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: 502.093+/-1225.469 χ^2/NDF:11.5/19

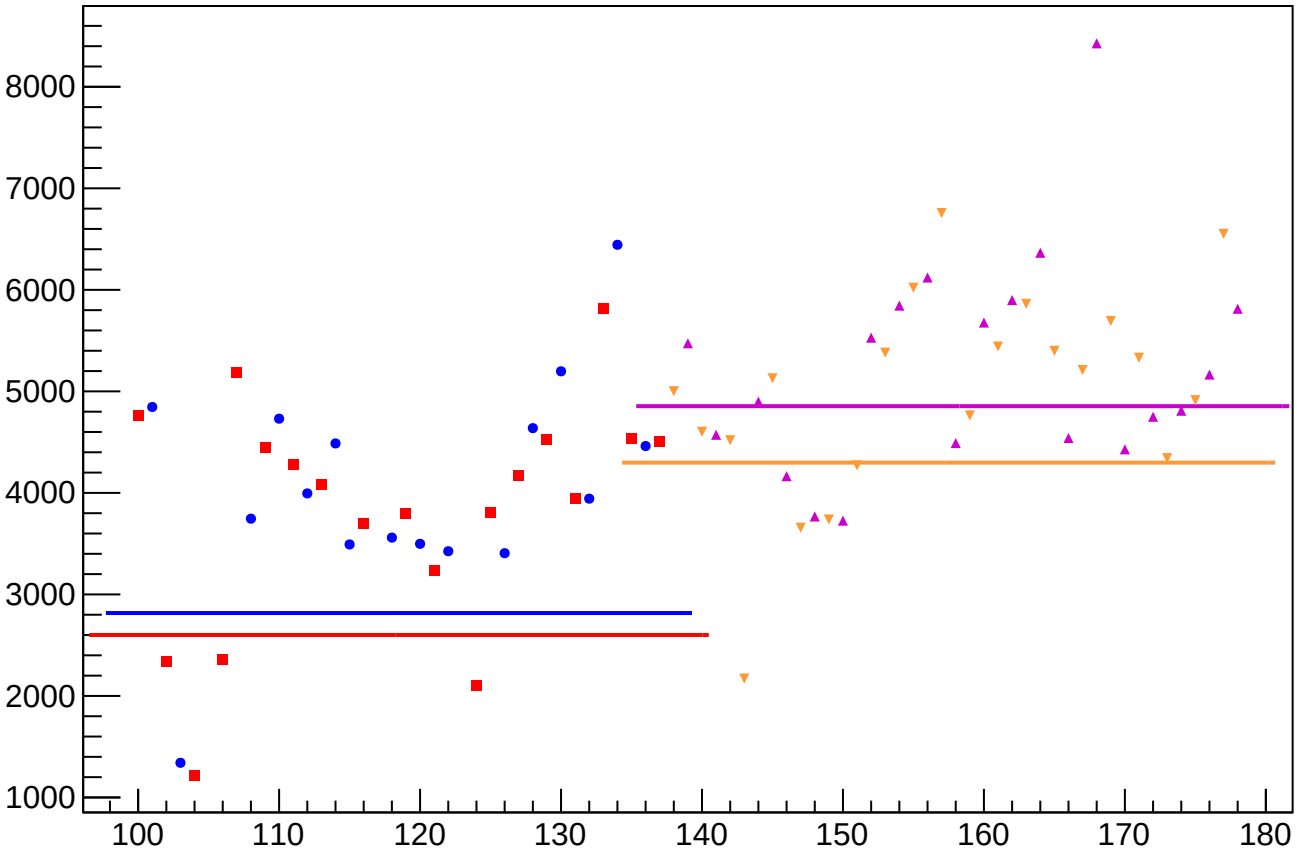
Left: 224.984+/-821.861 χ^2/NDF: 38.5/40

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -117.971+/-850.914 χ^2/NDF:26.6/35

Out: -18.976+/-779.977 χ^2/NDF:42.8/39

All: -64.176+/-574.972 χ^2/NDF: 69.5/75



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: 4854.233+/-0.867 χ^2/NDF:1068932.3/19

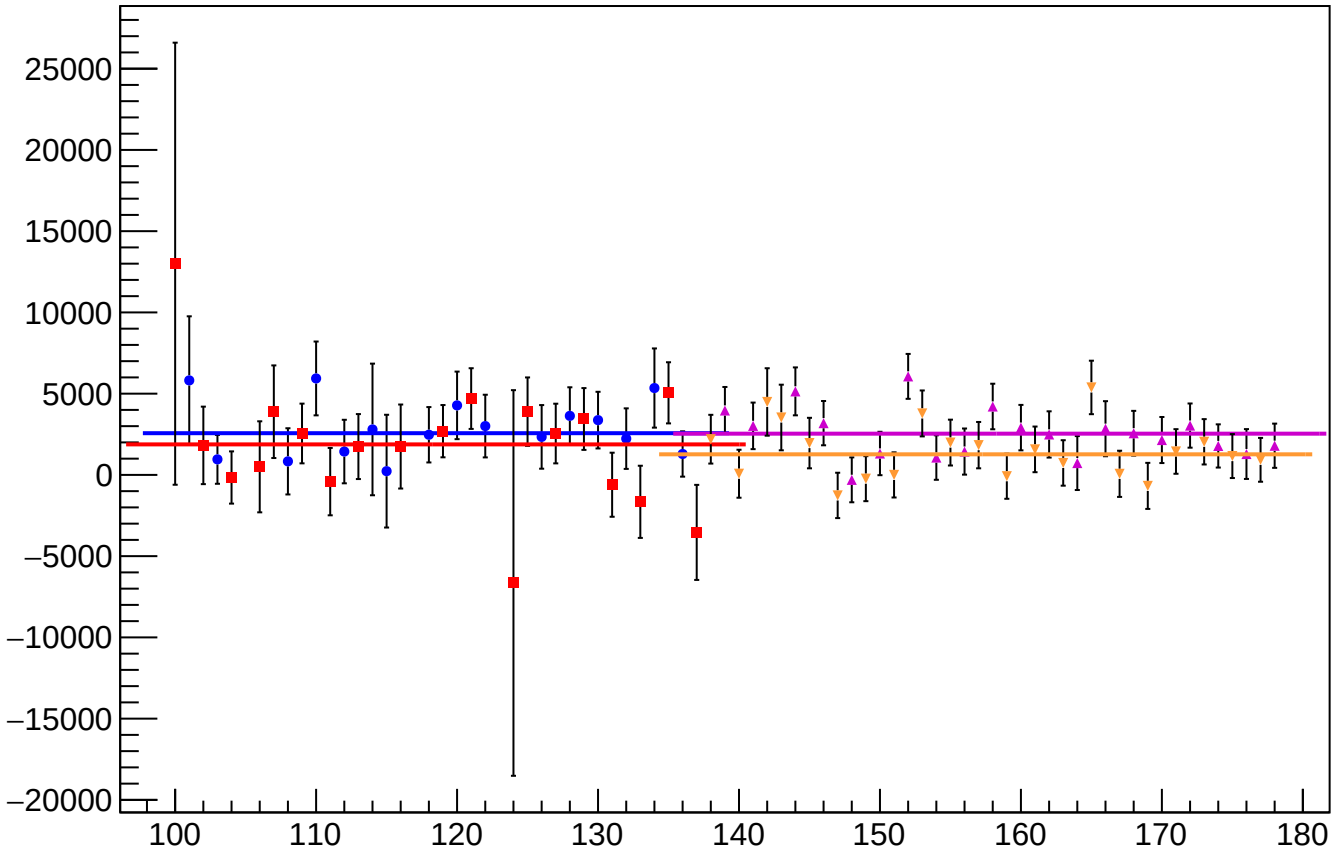
Left: 4548.252+/-0.581 χ^2/NDF: 4111655.4/40

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3799.105+/-0.602 χ^2/NDF:6939477.4/35

Out: 3441.820+/-0.552 χ^2/NDF:8265255.2/39

All: 3604.952+/-0.407 χ^2/NDF: 15396342.5/7



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: 2537.655+/-317.431 χ^2/NDF:22.0/19

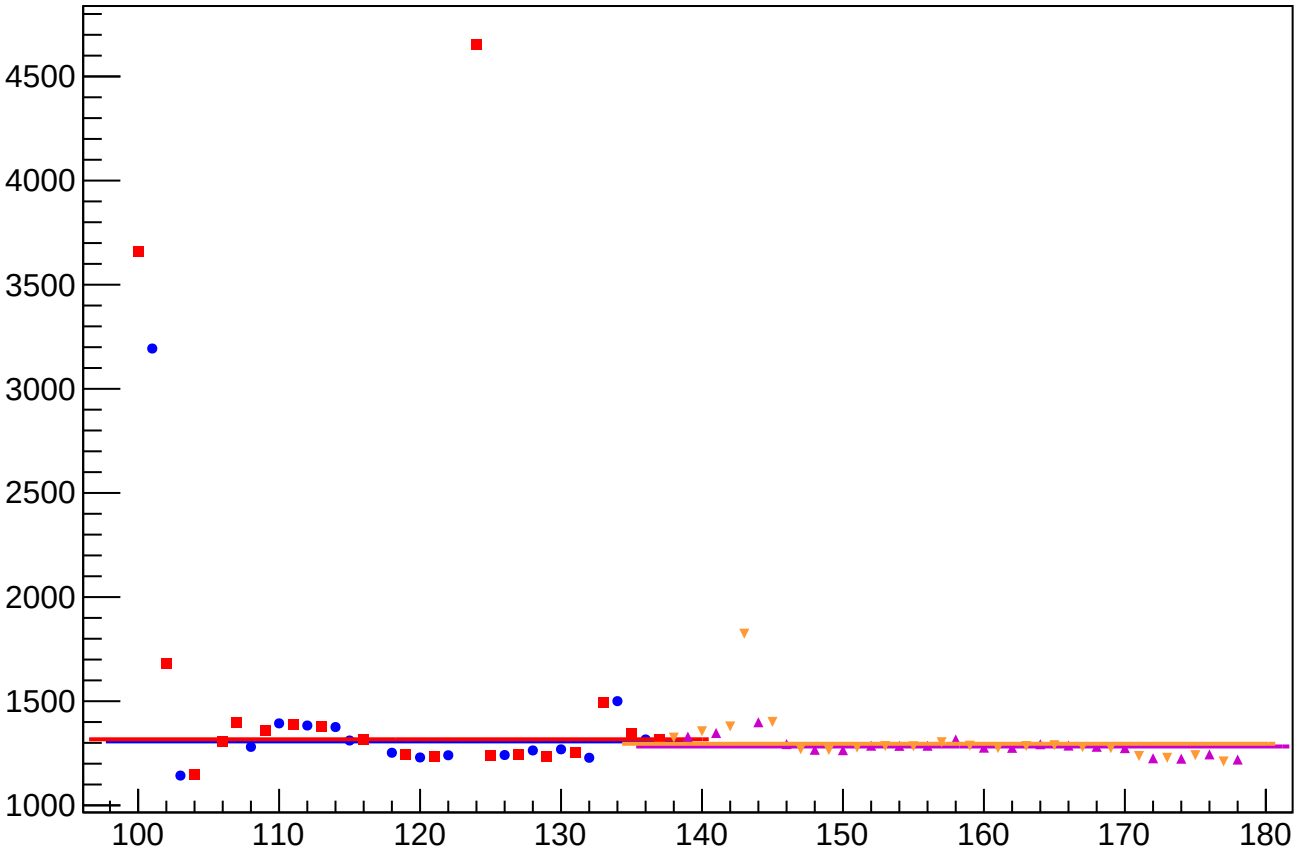
Left: 1903.777+/-224.692 χ^2/NDF: 54.1/40

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2546.250+/-267.266 χ^2/NDF:31.0/35

Out: 1445.824+/-267.559 χ^2/NDF:44.8/39

All: 1996.642+/-189.089 χ^2/NDF: 84.3/75



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: 1282.630+/-0.224 χ^2/NDF:33731.3/19

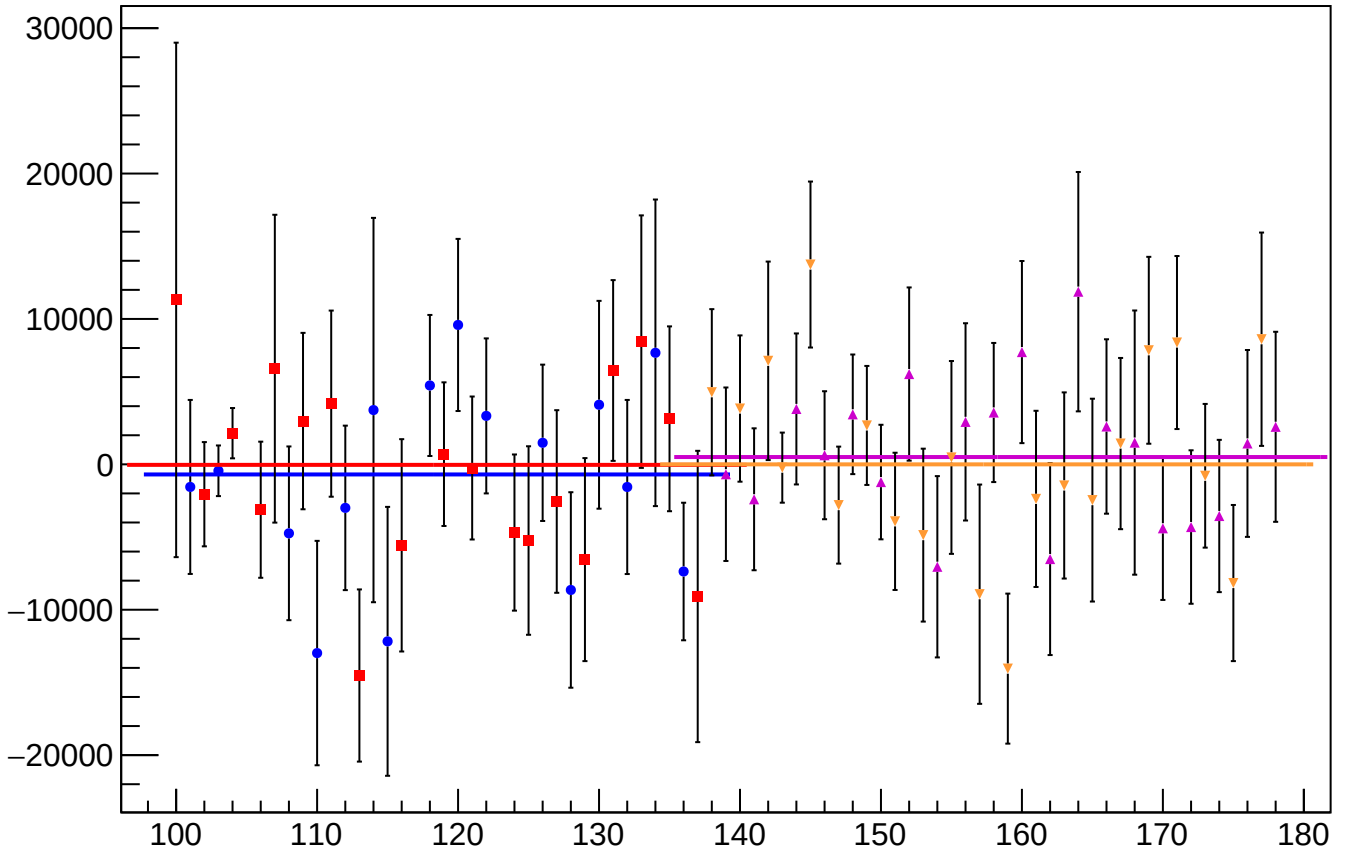
Left: 1289.143+/-0.159 χ^2/NDF: 212136.6/40

Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1289.744+/-0.189 χ^2/NDF:553432.4/35

Out: 1301.972+/-0.189 χ^2/NDF:505311.3/39

All: 1295.855+/-0.134 χ^2/NDF: 1060835.8/75



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: 502.093+/-1225.469 χ^2/NDF:11.5/19

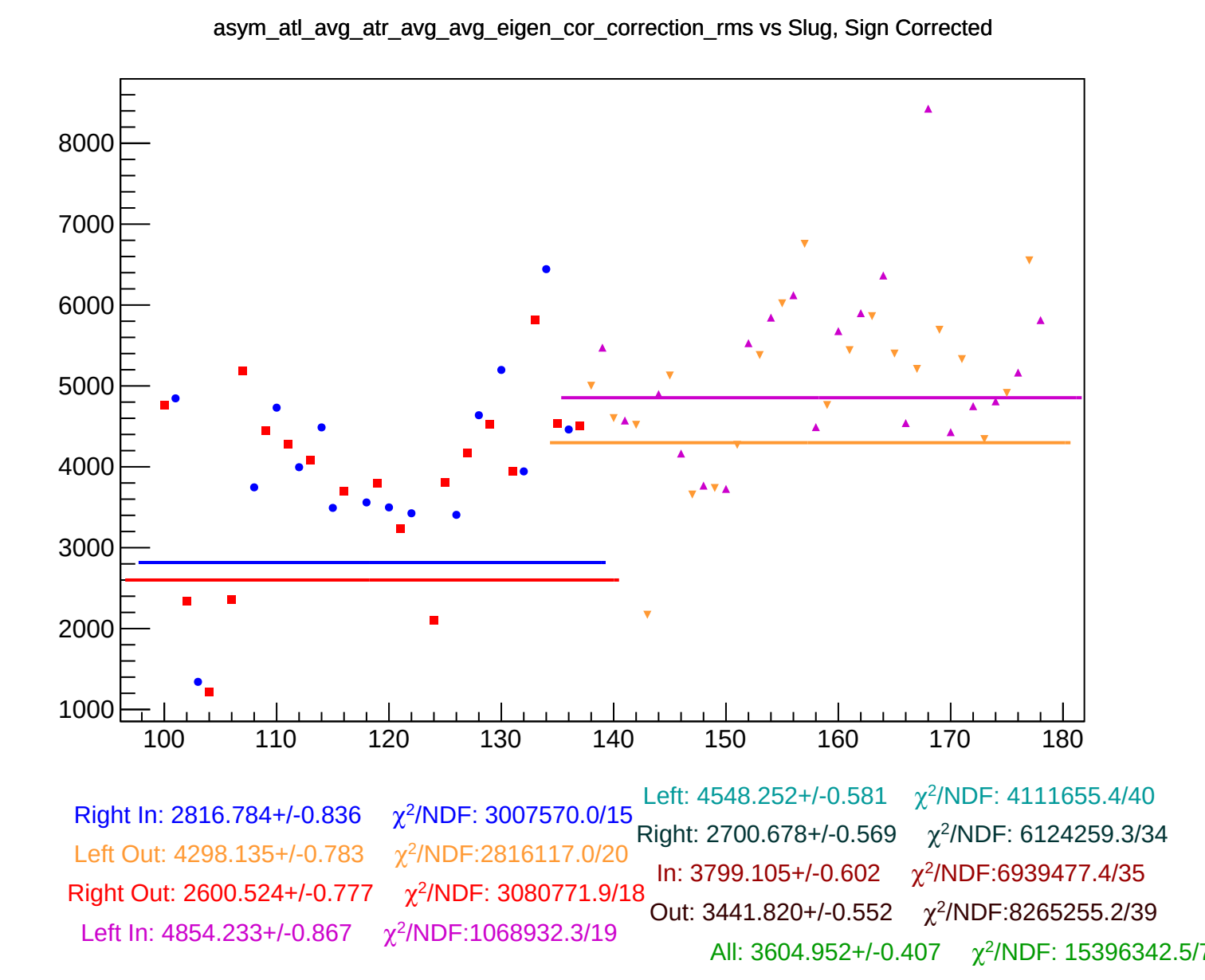
Left: 224.984+/-821.861 χ^2/NDF: 38.5/40

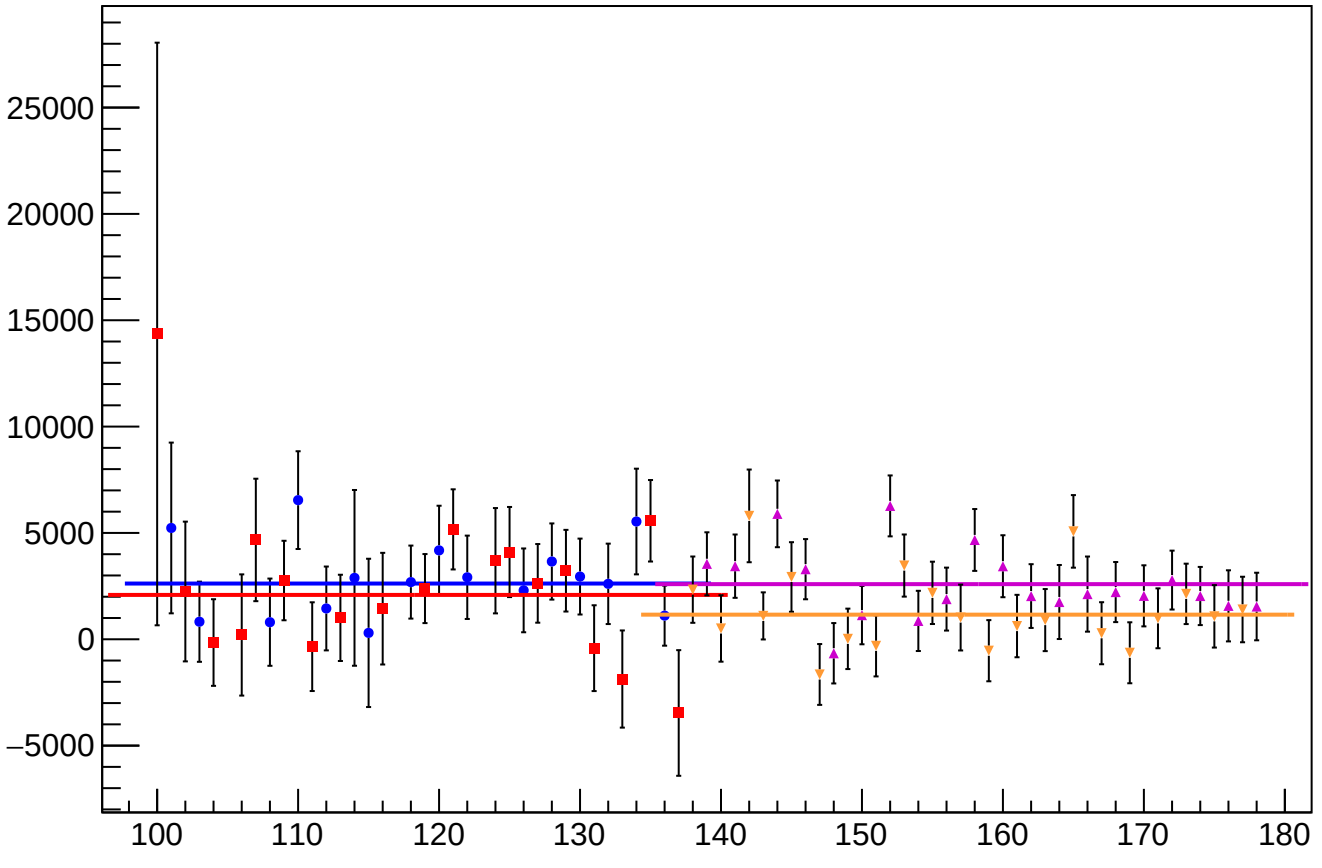
Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -117.971+/-850.914 χ^2/NDF:26.6/35

Out: -18.976+/-779.977 χ^2/NDF:42.8/39

All: -64.176+/-574.972 χ^2/NDF: 69.5/75


asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
180
Right In: 2816.784+/-0.836 χ²/NDF: 3007570.0/15
Left Out: 4298.135+/-0.783 χ²/NDF:2816117.0/20
Right Out: 2600.524+/-0.777 χ²/NDF: 3080771.9/18
Left In: 4854.233+/-0.867 χ²/NDF:1068932.3/19
Left: 4548.252+/-0.581 χ²/NDF: 4111655.4/40
Right: 2700.678+/-0.569 χ²/NDF: 6124259.3/34
In: 3799.105+/-0.602 χ²/NDF:6939477.4/35
Out: 3441.820+/-0.552 χ²/NDF:8265255.2/39
All: 3604.952+/-0.407 χ²/NDF: 15396342.5/7



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: 2592.442+/-331.116 χ^2/NDF:24.1/19

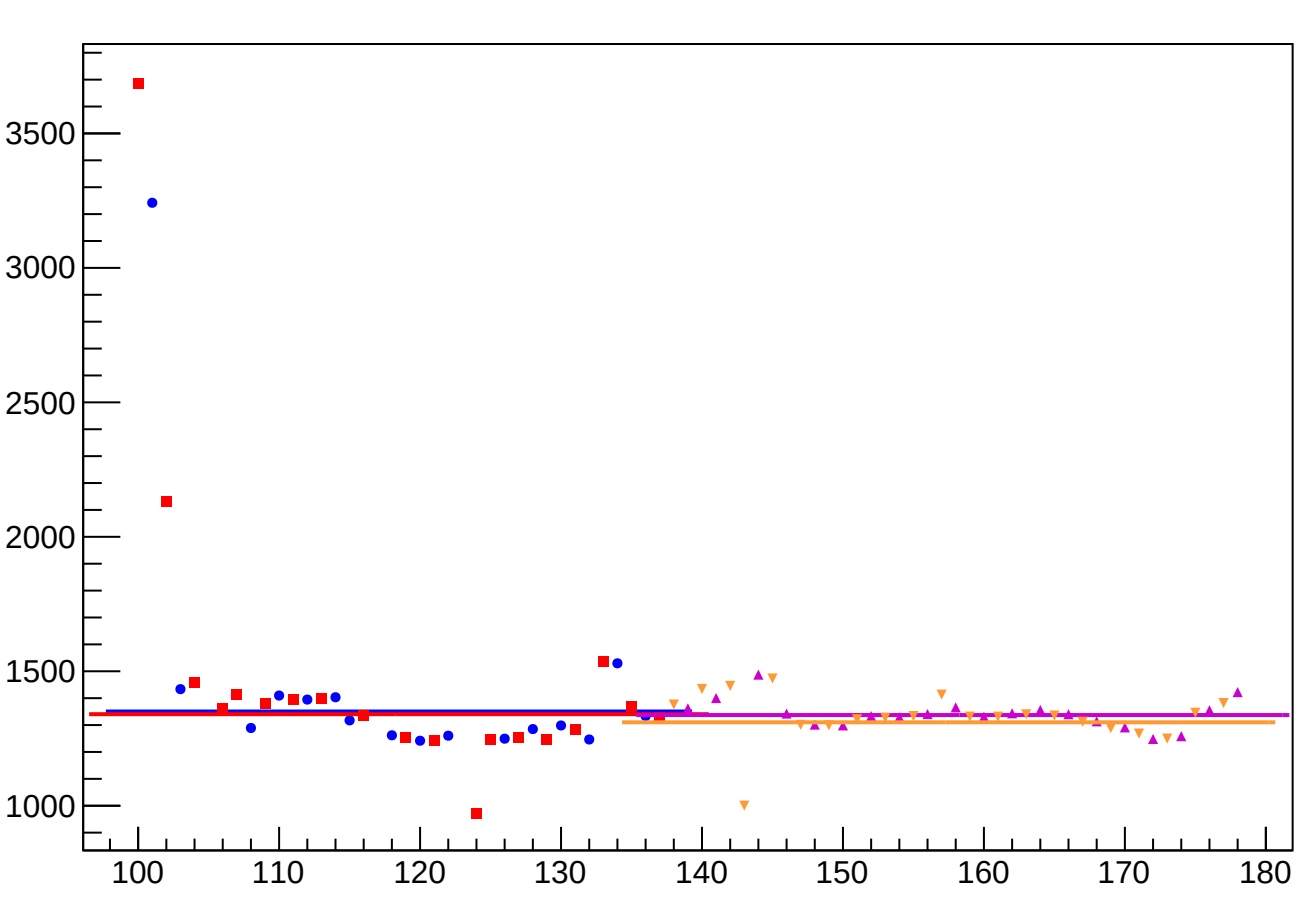
Left: 1855.042+/-230.842 χ^2/NDF: 58.1/40

Right: 2349.577+/-359.323 χ^2/NDF: 30.8/34

In: 2600.738+/-277.961 χ^2/NDF:33.5/35

Out: 1426.007+/-271.481 χ^2/NDF:47.6/39

All: 1999.520+/-194.216 χ^2/NDF: 90.2/75



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: 1337.302+/-0.234 χ^2/NDF:50030.2/19

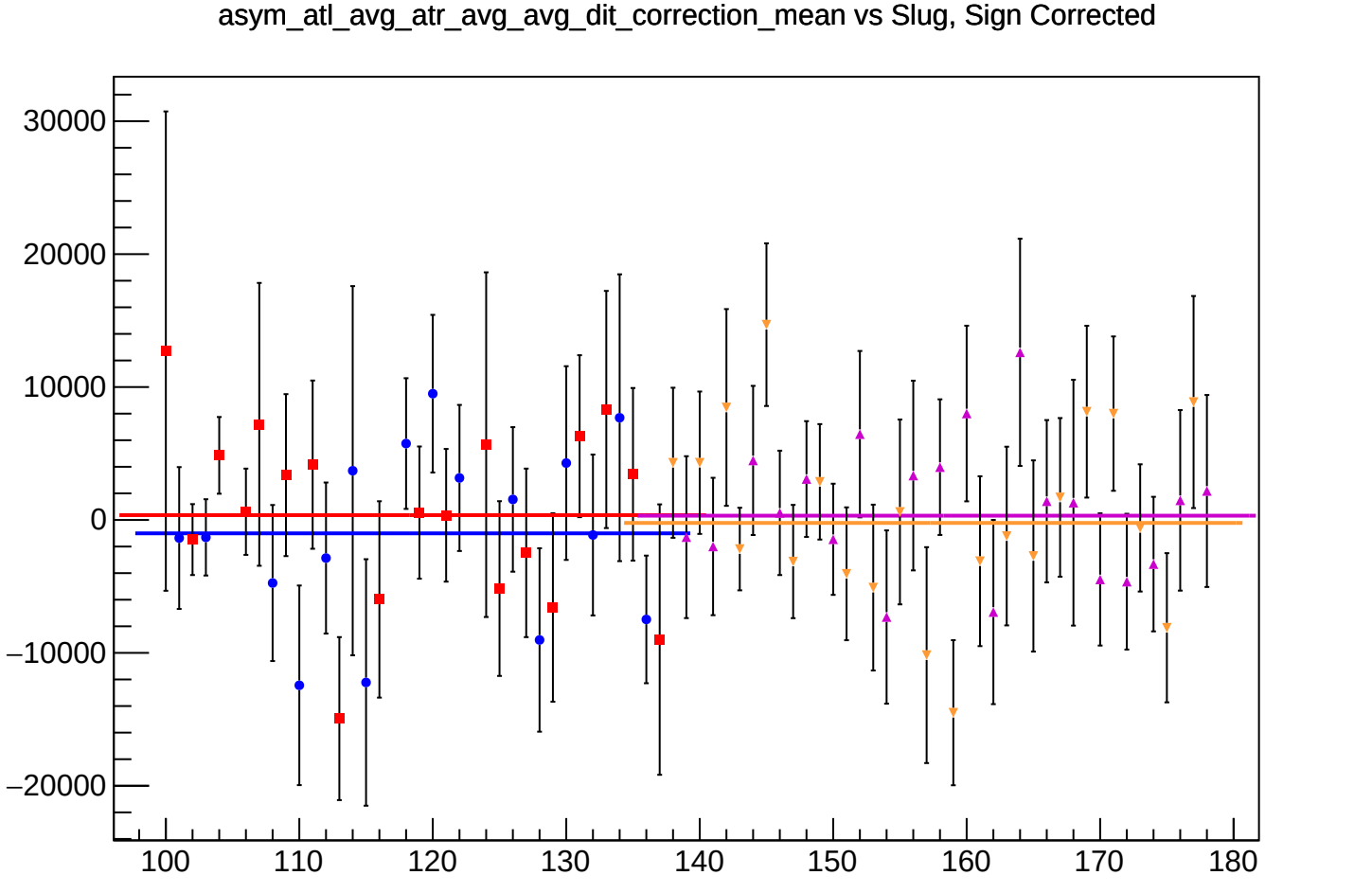
Left: 1323.414+/-0.163 χ^2/NDF: 280760.3/40

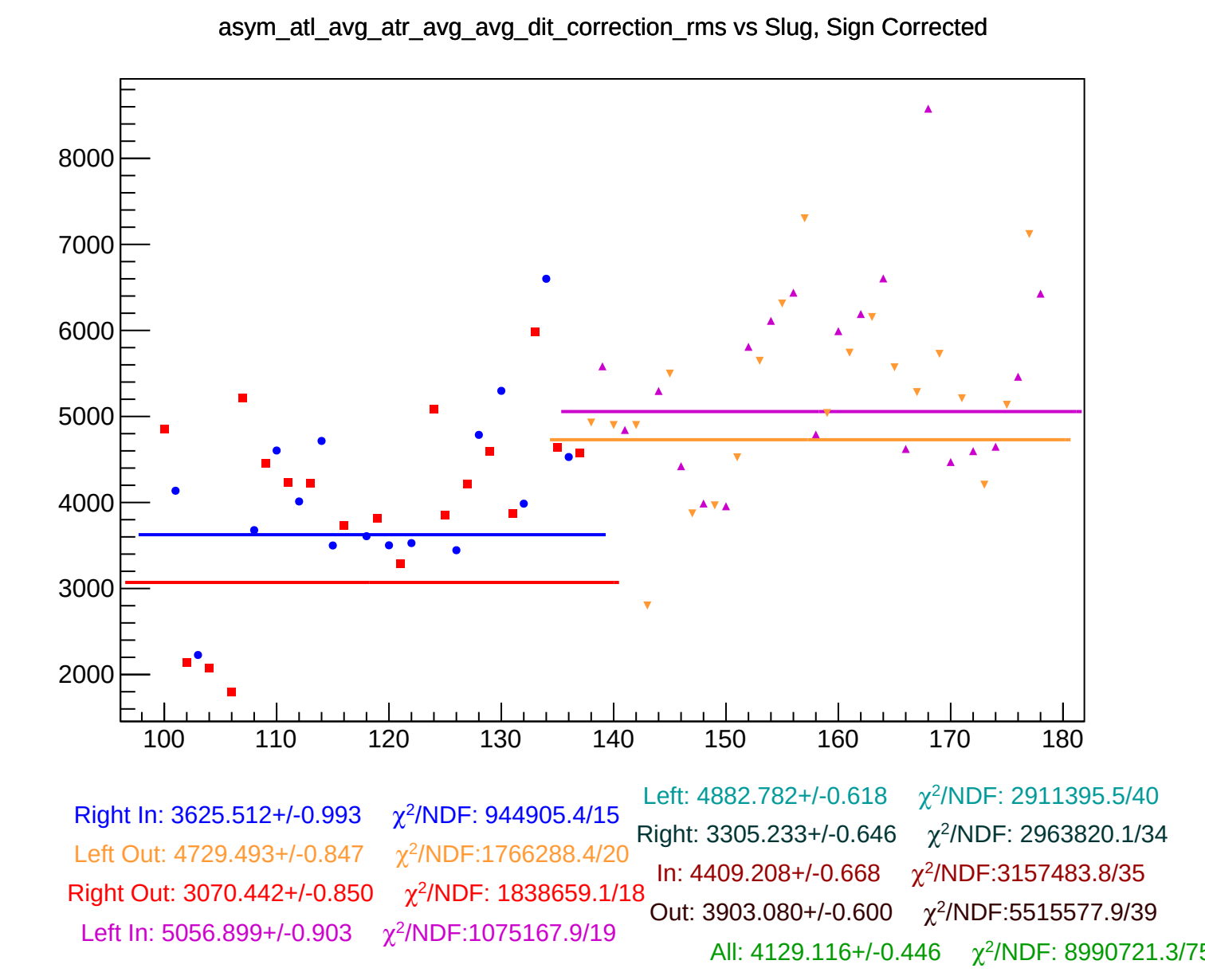
Right: 1345.331+/-0.254 χ^2/NDF: 766617.4/34

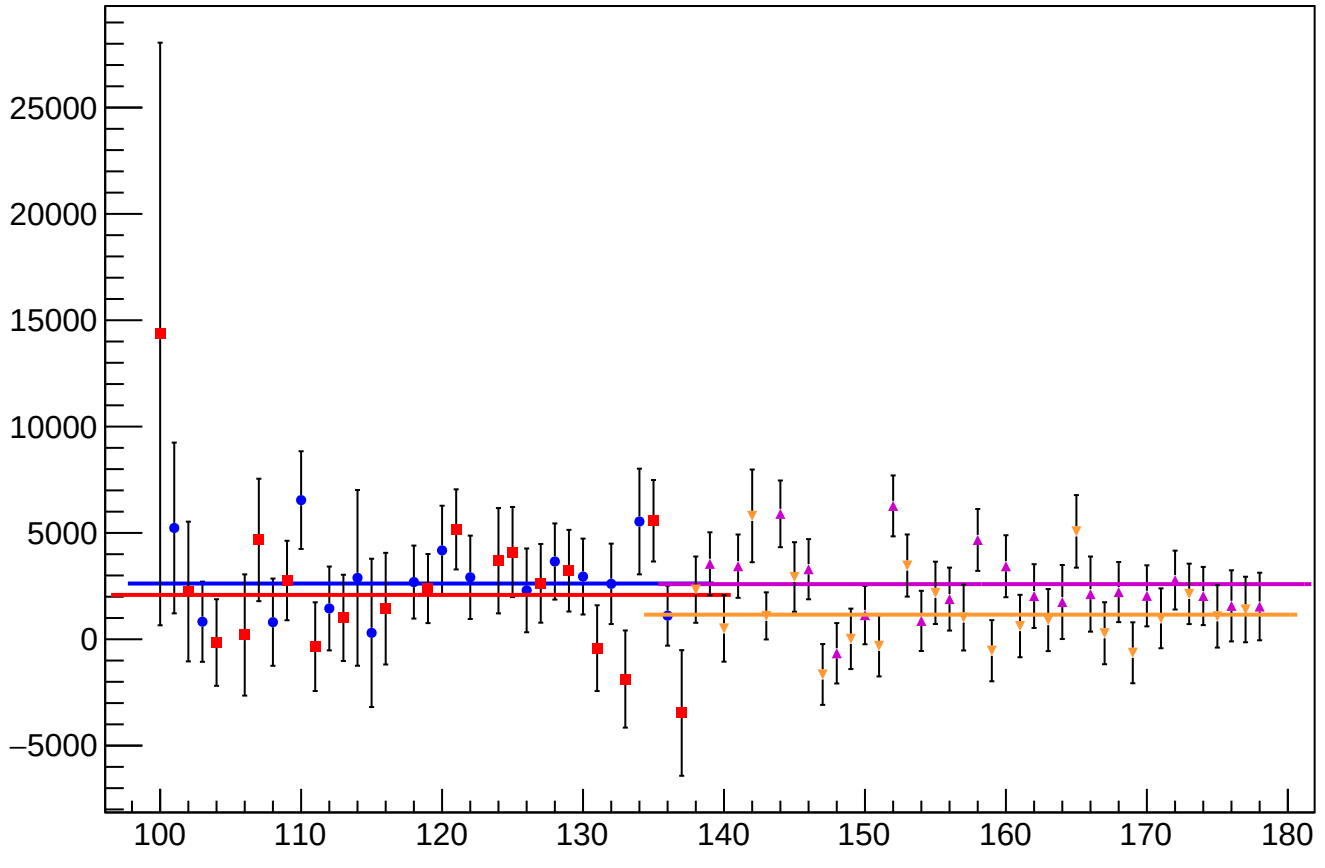
In: 1341.160+/-0.197 χ^2/NDF:545001.1/35

Out: 1319.005+/-0.192 χ^2/NDF:501142.1/39

All: 1329.820+/-0.137 χ^2/NDF: 1052647.2/75


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: 322.085+/-1276.789 χ²/NDF:11.5/19
Left: 32.188+/-873.639 χ²/NDF: 38.6/40
Right: -215.533+/-913.430 χ²/NDF: 31.4/34
In: -279.203+/-944.744 χ²/NDF:26.6/35
Out: 69.628+/-848.698 χ²/NDF:43.4/39
All: -86.159+/-631.354 χ²/NDF: 70.0/75


asym_atl_avg_atr_avg_avg_dit_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
Right In: 3625.512+/-0.993 χ²/NDF: 944905.4/15
Left Out: 4729.493+/-0.847 χ²/NDF:1766288.4/20
Right Out: 3070.442+/-0.850 χ²/NDF: 1838659.1/18
Left In: 5056.899+/-0.903 χ²/NDF:1075167.9/19
Left: 4882.782+/-0.618 χ²/NDF: 2911395.5/40
Right: 3305.233+/-0.646 χ²/NDF: 2963820.1/34
In: 4409.208+/-0.668 χ²/NDF:3157483.8/35
Out: 3903.080+/-0.600 χ²/NDF:5515577.9/39
All: 4129.116+/-0.446 χ²/NDF: 8990721.3/75



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: 2592.444+/-331.117 χ^2/NDF:24.1/19

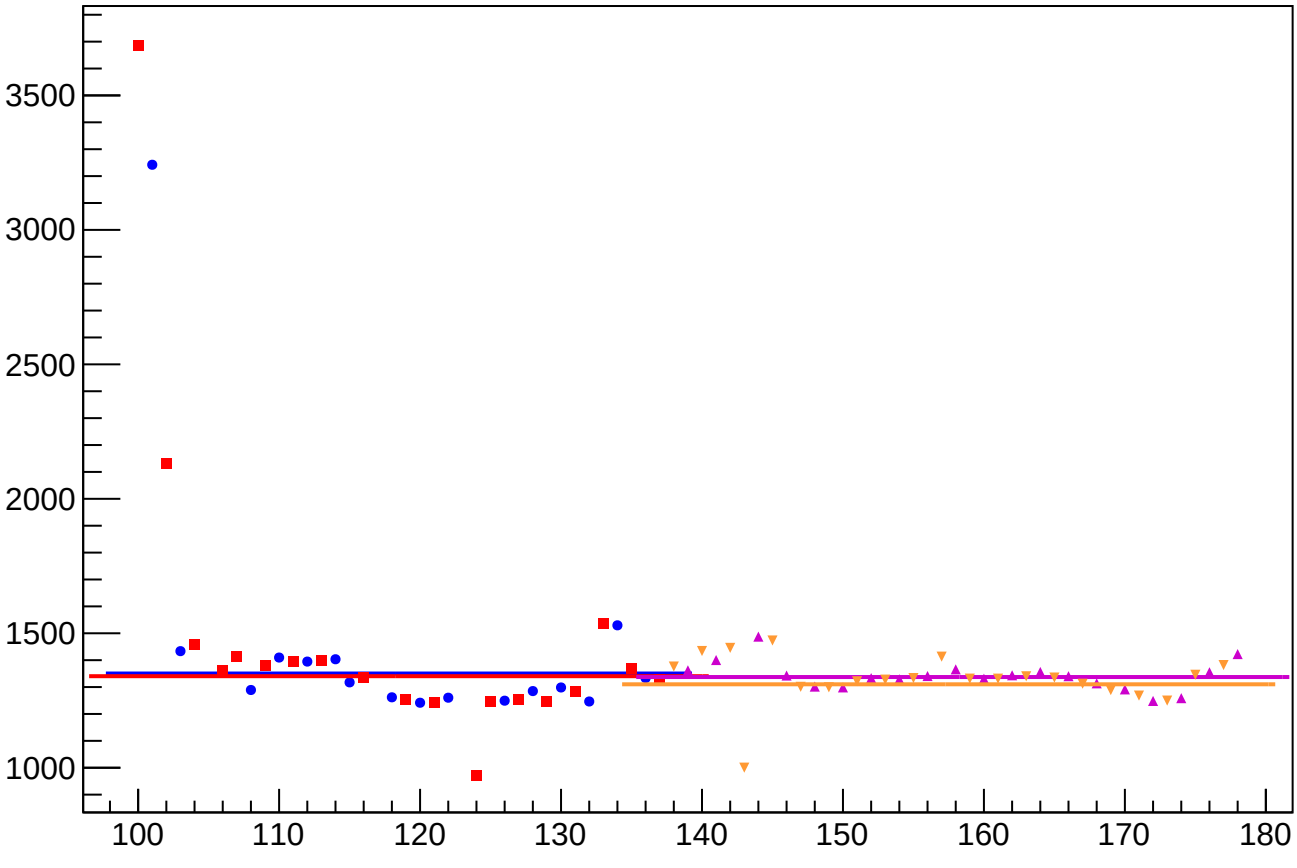
Left: 1855.041+/-230.842 χ^2/NDF: 58.1/40

Right: 2349.579+/-359.323 χ^2/NDF: 30.8/34

In: 2600.739+/-277.961 χ^2/NDF:33.5/35

Out: 1426.006+/-271.481 χ^2/NDF:47.6/39

All: 1999.520+/-194.217 χ^2/NDF: 90.2/75



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: 1337.303+/-0.234 χ^2/NDF:50032.4/19

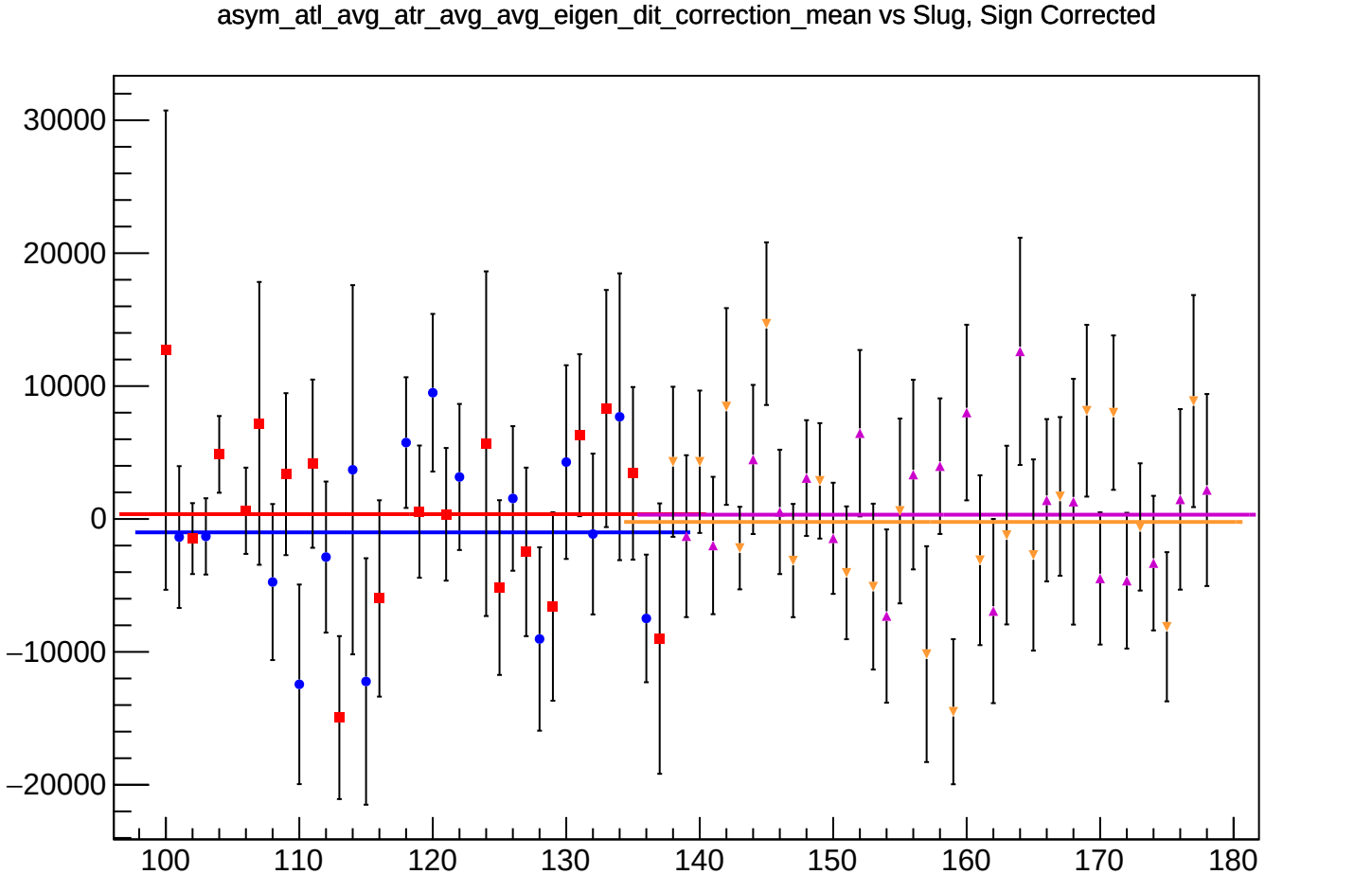
Left: 1323.415+/-0.163 χ^2/NDF: 280764.4/40

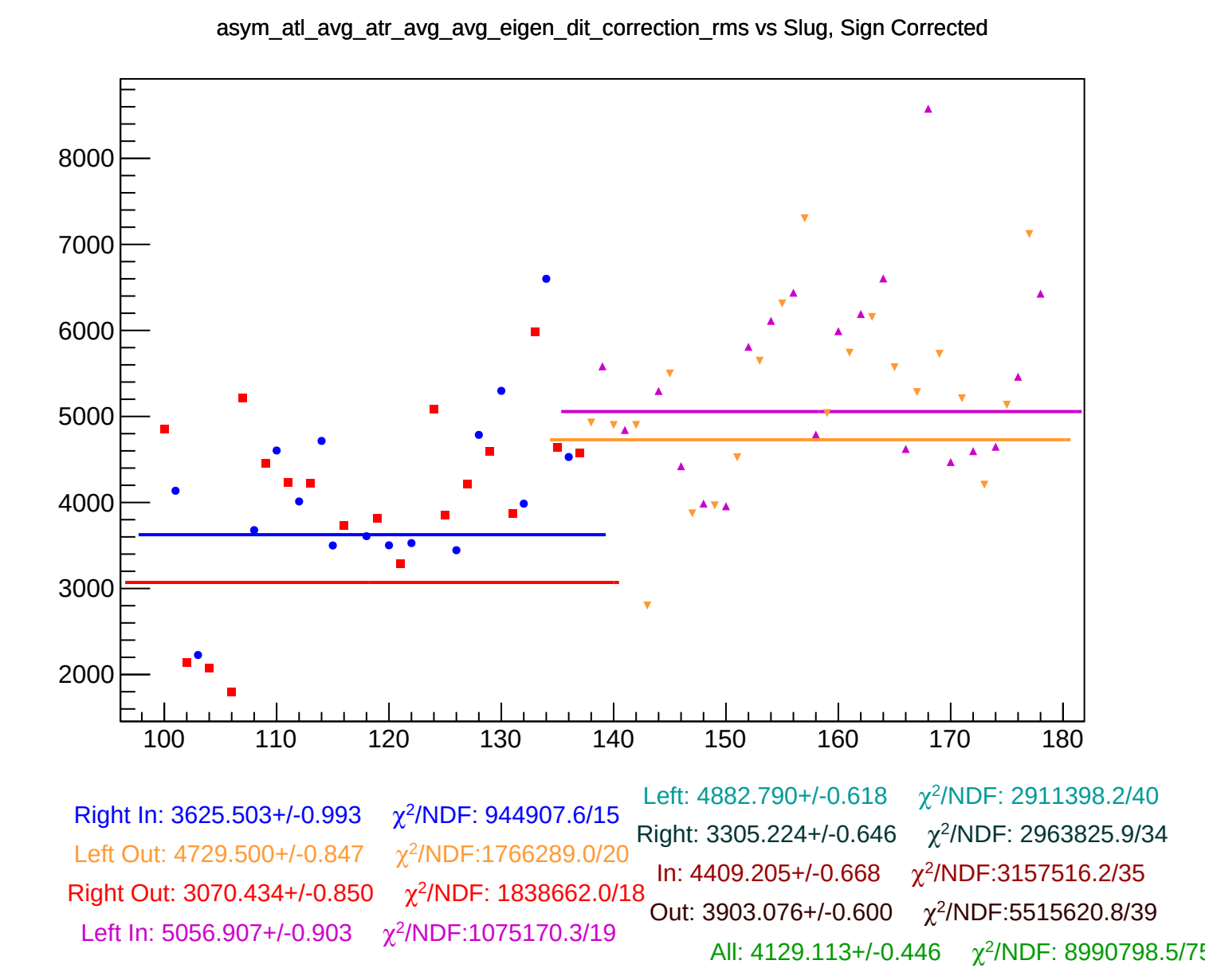
Right: 1345.330+/-0.254 χ^2/NDF: 766616.6/34

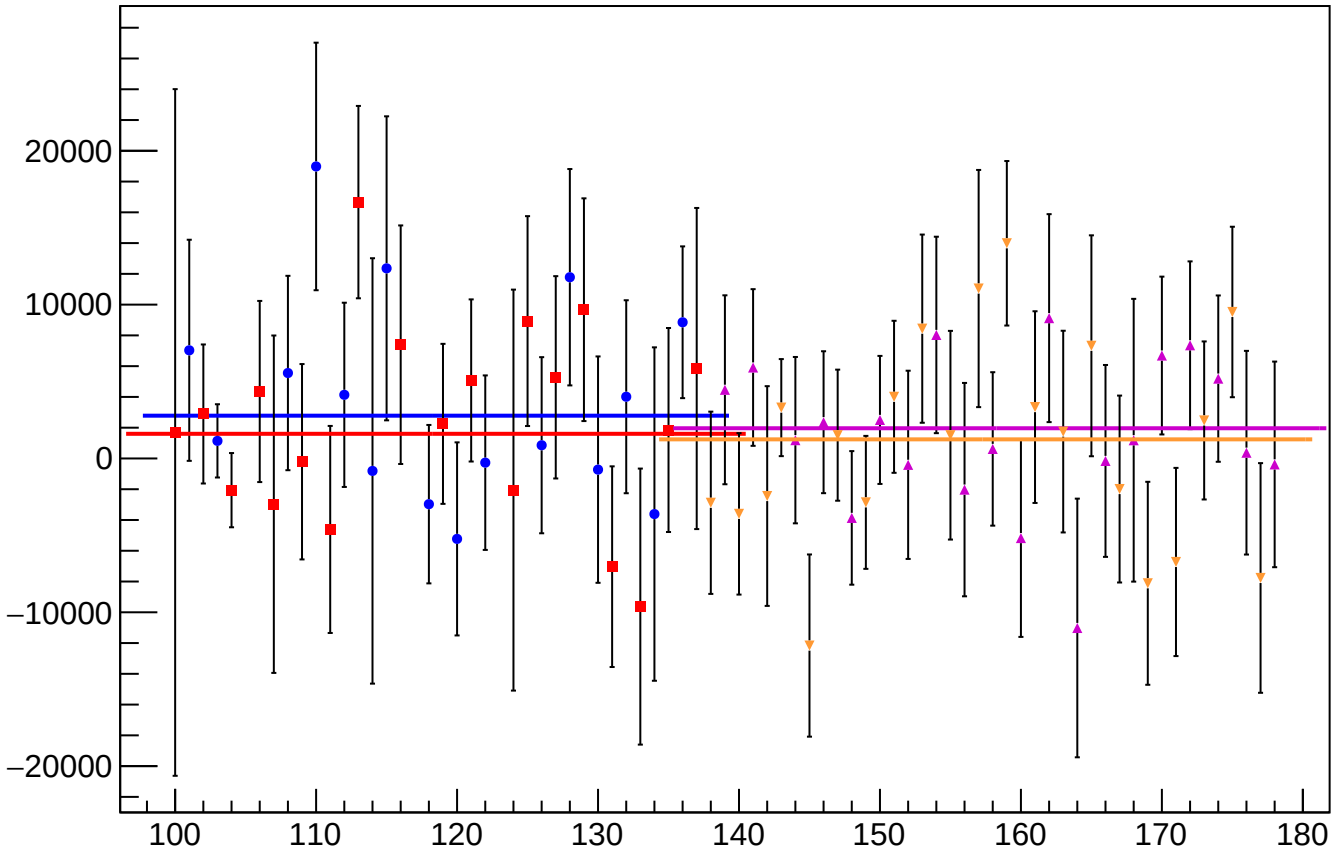
In: 1341.161+/-0.197 χ^2/NDF:545003.2/35

Out: 1319.006+/-0.192 χ^2/NDF:501142.5/39

All: 1329.820+/-0.137 χ^2/NDF: 1052649.7/75


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: 322.085+/-1276.791 χ²/NDF:11.5/19
Left: 32.187+/-873.640 χ²/NDF: 38.6/40
Right: -215.528+/-913.428 χ²/NDF: 31.4/34
In: -279.201+/-944.744 χ²/NDF:26.6/35
Out: 69.629+/-848.698 χ²/NDF:43.4/39
All: -86.158+/-631.354 χ²/NDF: 70.0/75


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: 5056.907+/-0.903 χ²/NDF:1075170.3/19
Left: 4882.790+/-0.618 χ²/NDF: 2911398.2/40
Right: 3305.224+/-0.646 χ²/NDF: 2963825.9/34
In: 4409.205+/-0.668 χ²/NDF:3157516.2/35
Out: 3903.076+/-0.600 χ²/NDF:5515620.8/39
All: 4129.113+/-0.446 χ²/NDF: 8990798.5/75



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: 1963.647+/-1271.882 χ^2/NDF:11.3/19

Left: 1581.182+/-872.032 χ^2/NDF: 37.1/40

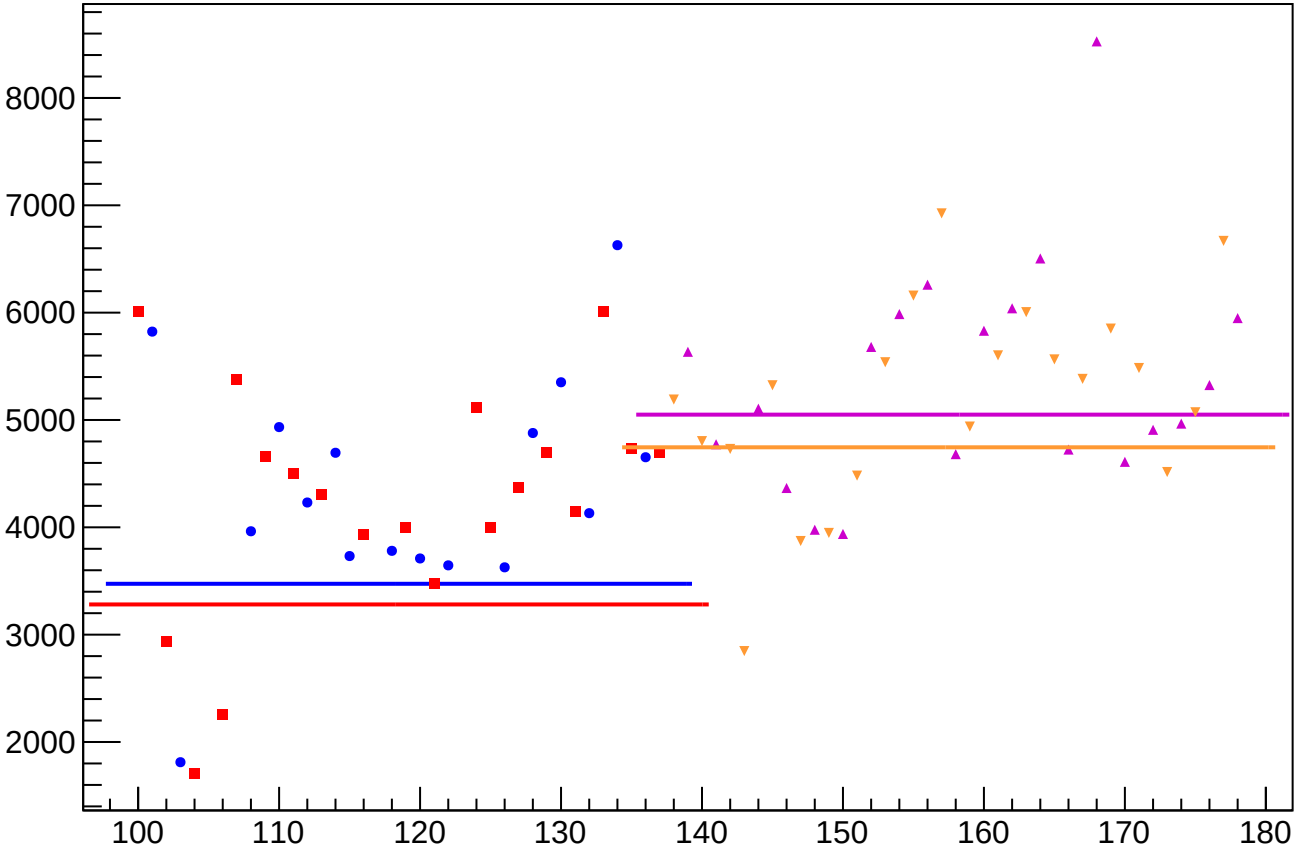
Right: 2169.106+/-963.414 χ^2/NDF: 30.3/34

In: 2336.234+/-938.169 χ^2/NDF:24.7/35

Out: 1402.532+/-892.194 χ^2/NDF:42.5/39

All: 1845.945+/-646.519 χ^2/NDF: 67.6/75

asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



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: 5049.722+/-0.899 χ^2/NDF:949425.1/19

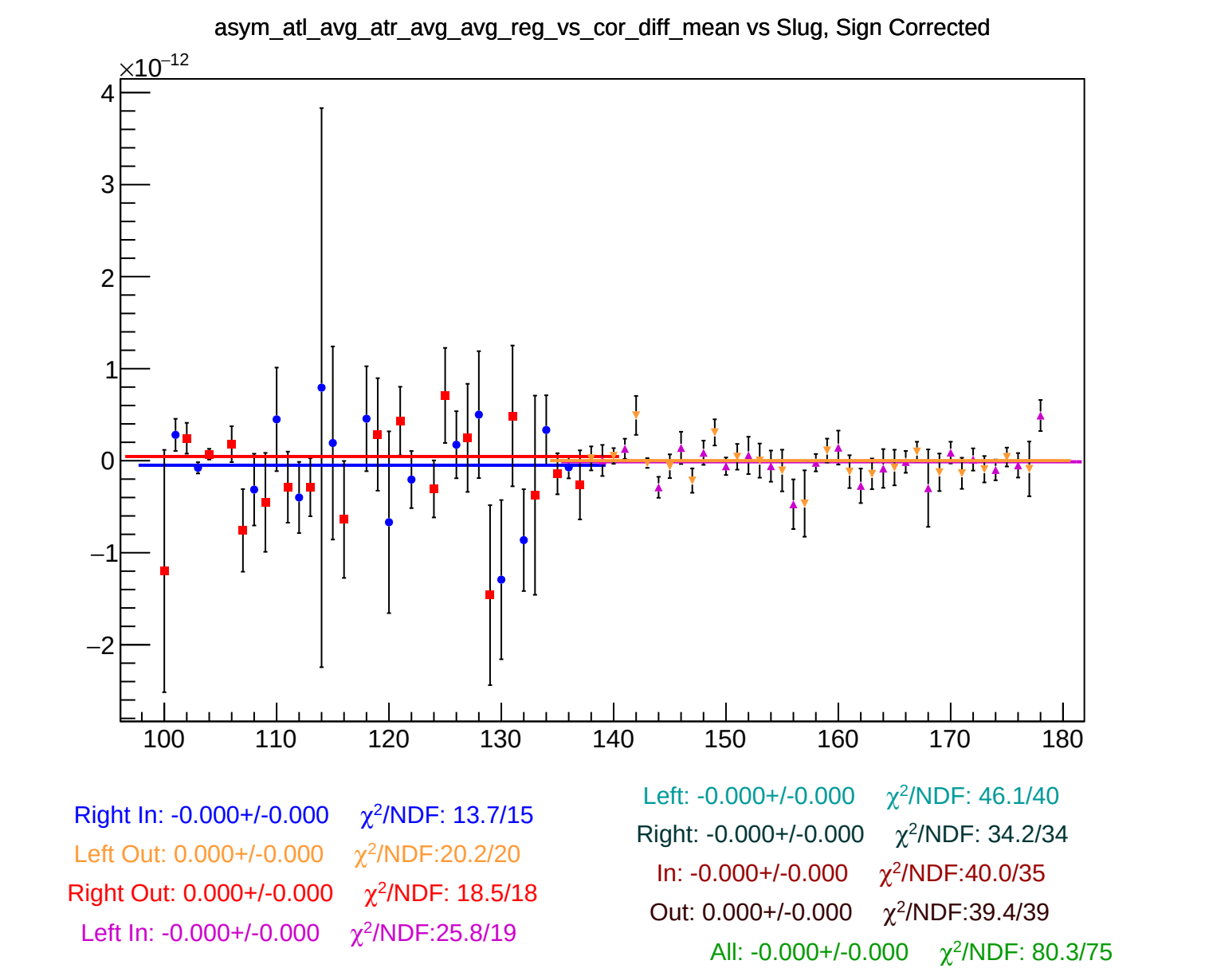
Left: 4888.475+/-0.617 χ^2/NDF: 2594296.1/40

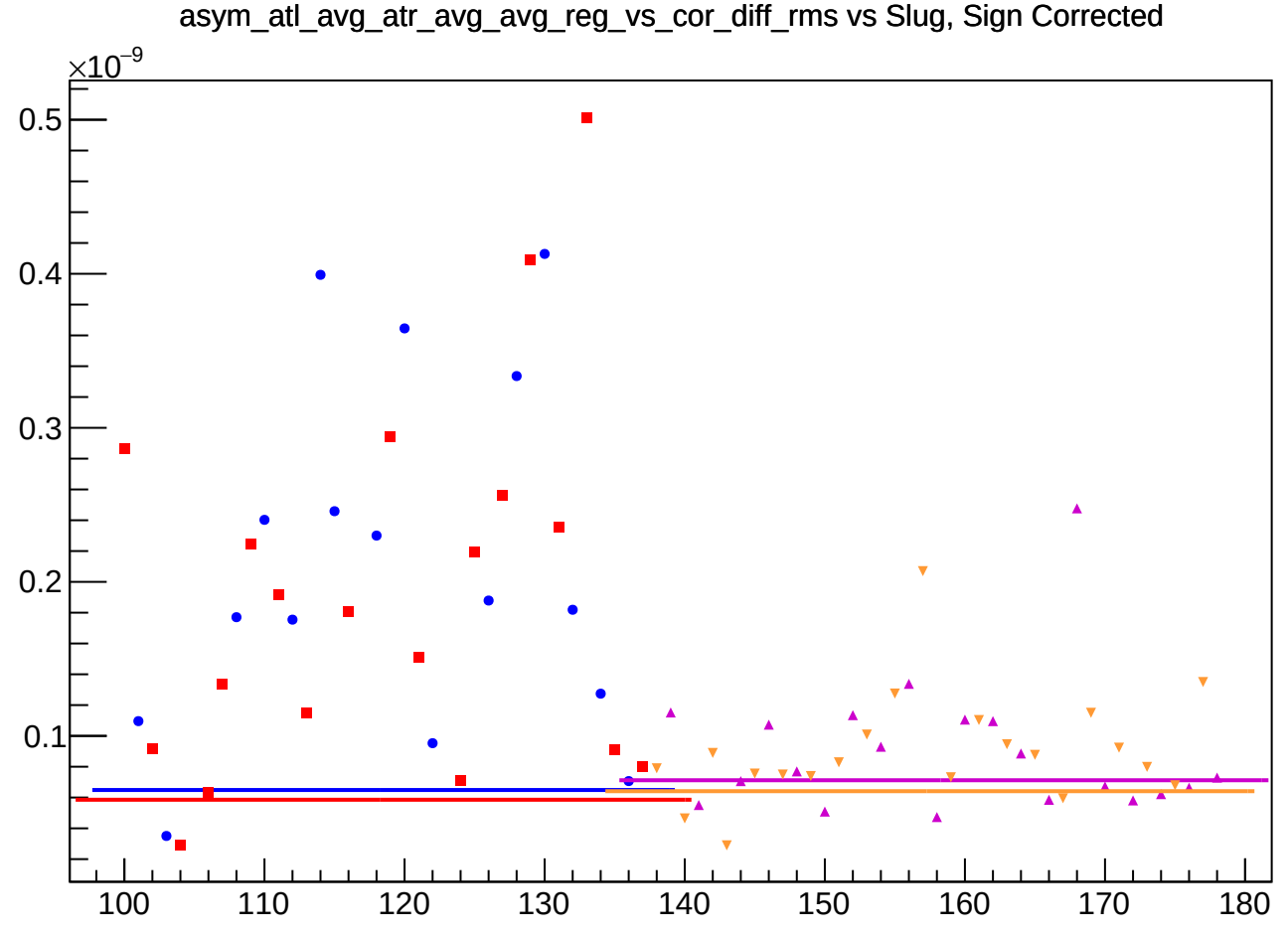
Right: 3372.669+/-0.676 χ^2/NDF: 3739637.8/34

In: 4331.276+/-0.663 χ^2/NDF:4193098.2/35

Out: 4083.582+/-0.627 χ^2/NDF:4810120.6/39

All: 4200.450+/-0.456 χ^2/NDF: 9076853.2/75


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:25.8/19
Left: -0.000+/-0.000 χ²/NDF: 46.1/40
Right: -0.000+/-0.000 χ²/NDF: 34.2/34
In: -0.000+/-0.000 χ²/NDF:40.0/35
Out: 0.000+/-0.000 χ²/NDF:39.4/39
All: -0.000+/-0.000 χ²/NDF: 80.3/75



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:1319885.9/19

Left: 0.000+/-0.000 χ^2/NDF: 3590664.6/40

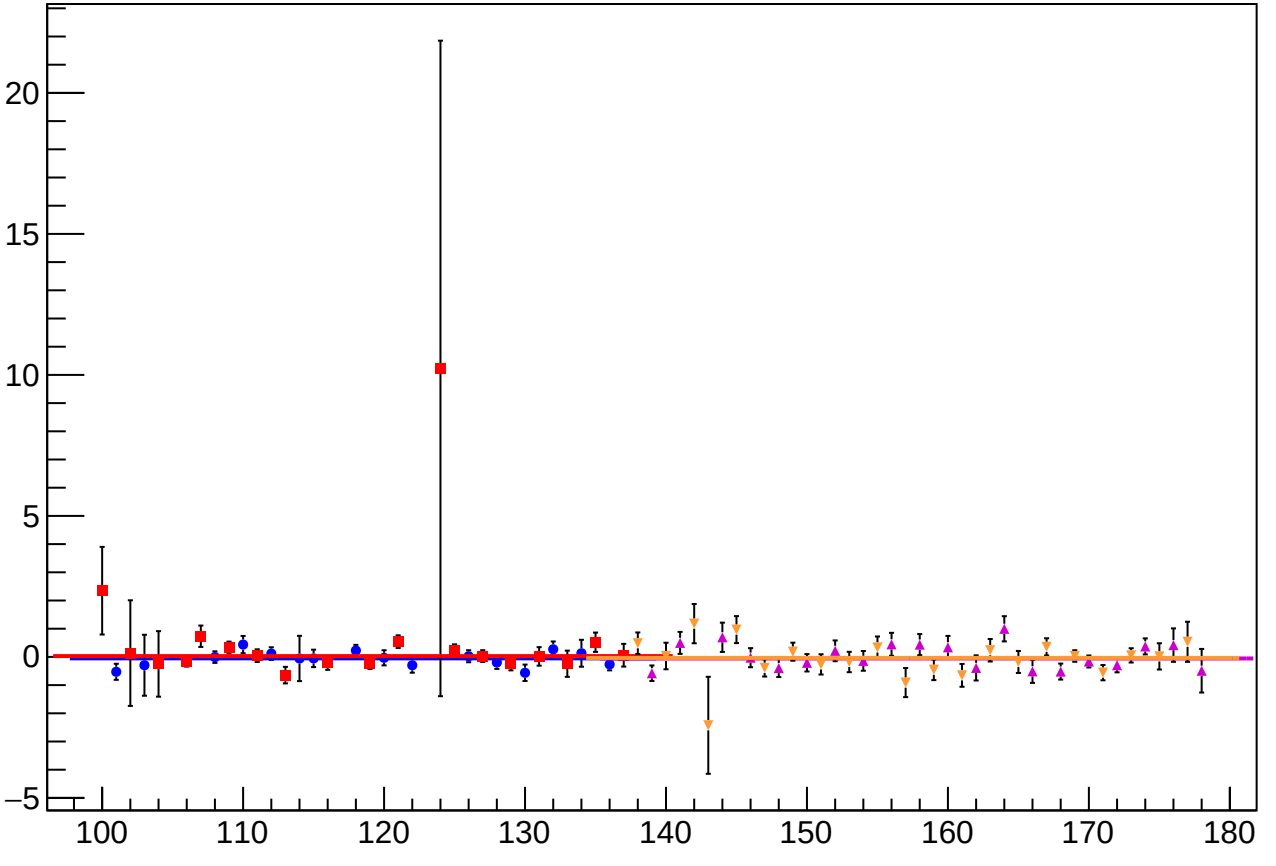
Right: 0.000+/-0.000 χ^2/NDF: 5465312.1/34

In: 0.000+/-0.000 χ^2/NDF:3937066.7/35

Out: 0.000+/-0.000 χ^2/NDF:5087521.8/39

All: 0.000+/-0.000 χ^2/NDF: 9095998.5/75

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: -0.055+/-0.077 χ^2/NDF:28.3/19

Left: -0.046+/-0.055 χ^2/NDF: 56.2/40

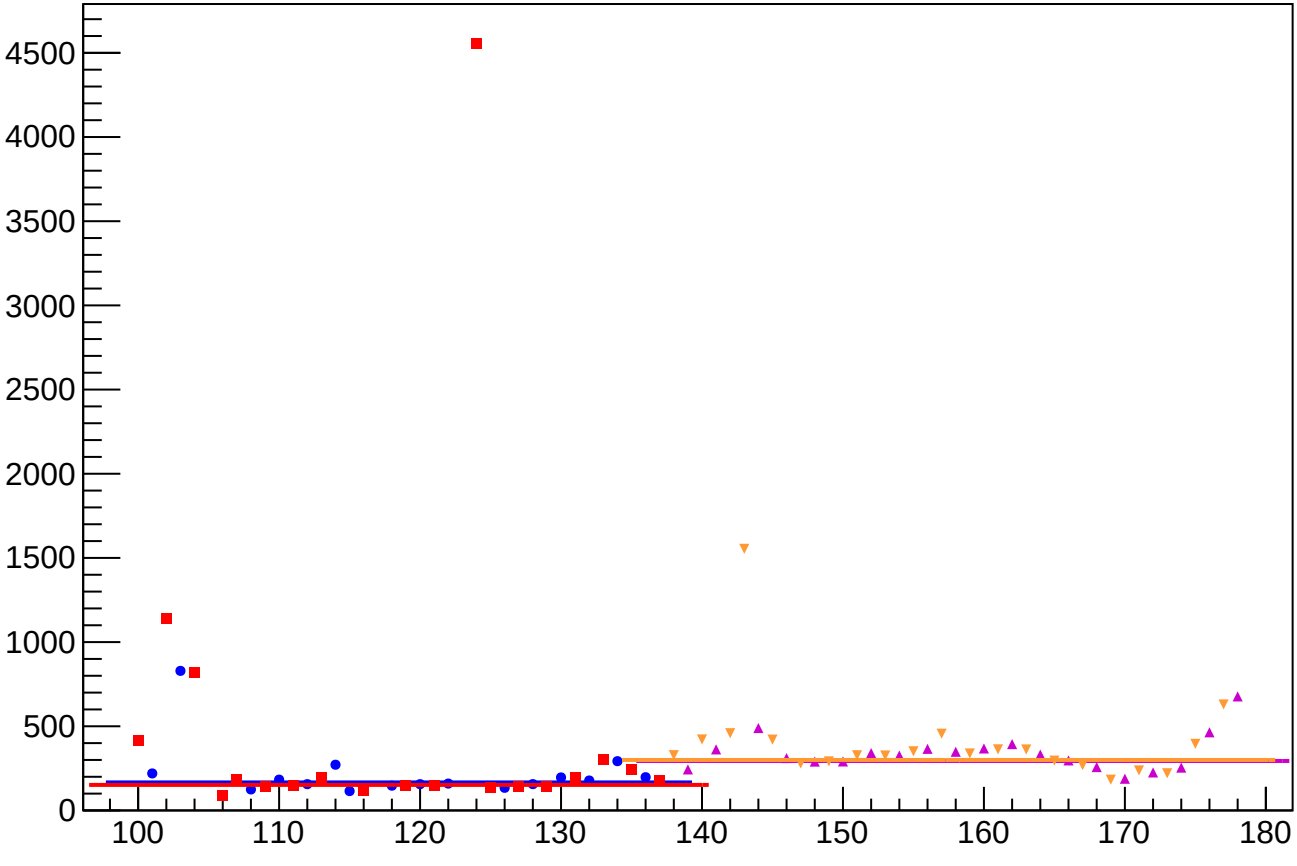
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.053+/-0.050 χ^2/NDF:43.1/35

Out: 0.004+/-0.050 χ^2/NDF:55.9/39

All: -0.024+/-0.035 χ^2/NDF: 99.7/75

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: 293.949+/-0.054 χ^2/NDF:2121901.6/19

Left: 296.901+/-0.039 χ^2/NDF: 5423371.3/40

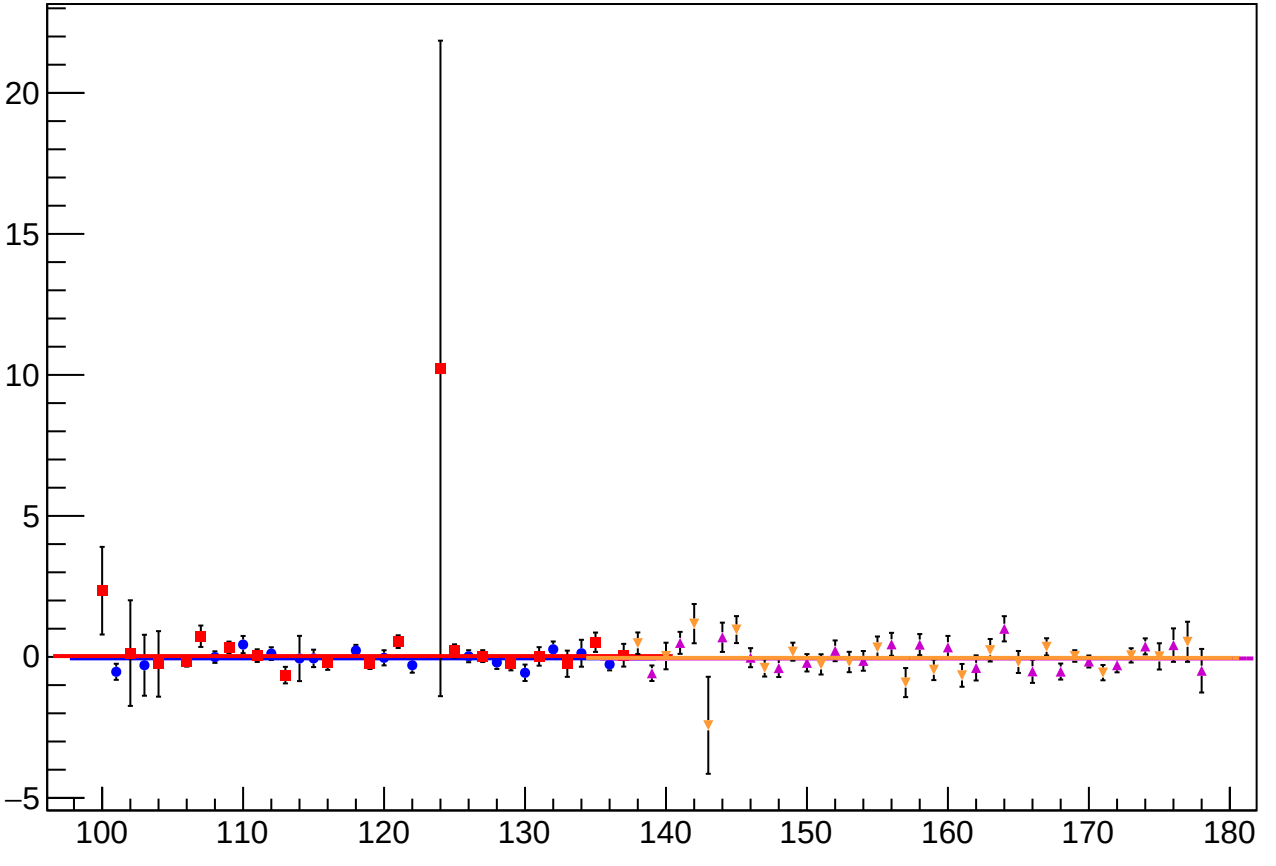
Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 221.406+/-0.036 χ^2/NDF:6559294.7/35

Out: 210.718+/-0.035 χ^2/NDF:9873101.5/39

All: 215.995+/-0.025 χ^2/NDF: 16478078.0/75

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: -0.055+/-0.077 χ^2/NDF:28.3/19

Left: -0.046+/-0.055 χ^2/NDF: 56.2/40

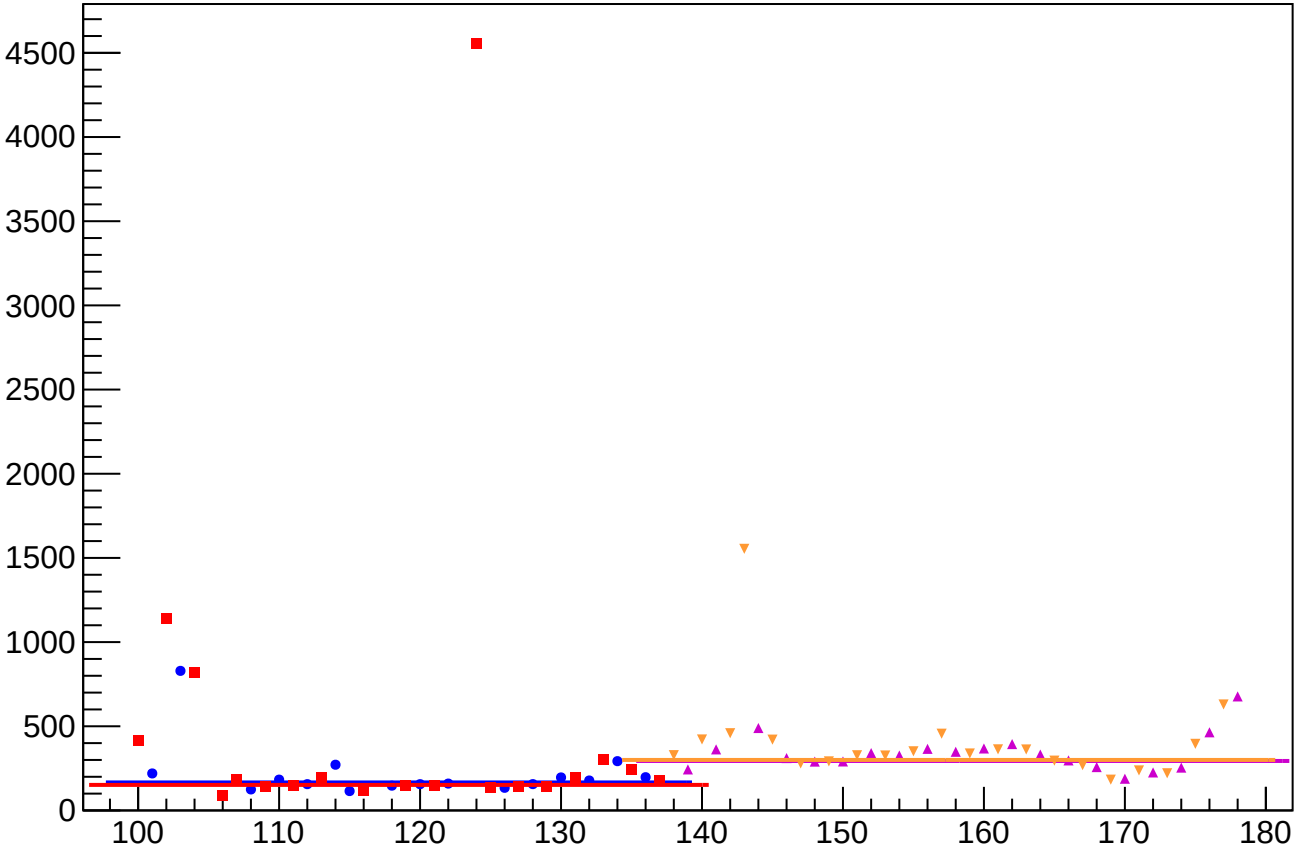
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.053+/-0.050 χ^2/NDF:43.1/35

Out: 0.004+/-0.050 χ^2/NDF:55.9/39

All: -0.024+/-0.035 χ^2/NDF: 99.7/75

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: 293.949+/-0.054 χ^2/NDF:2121901.6/19

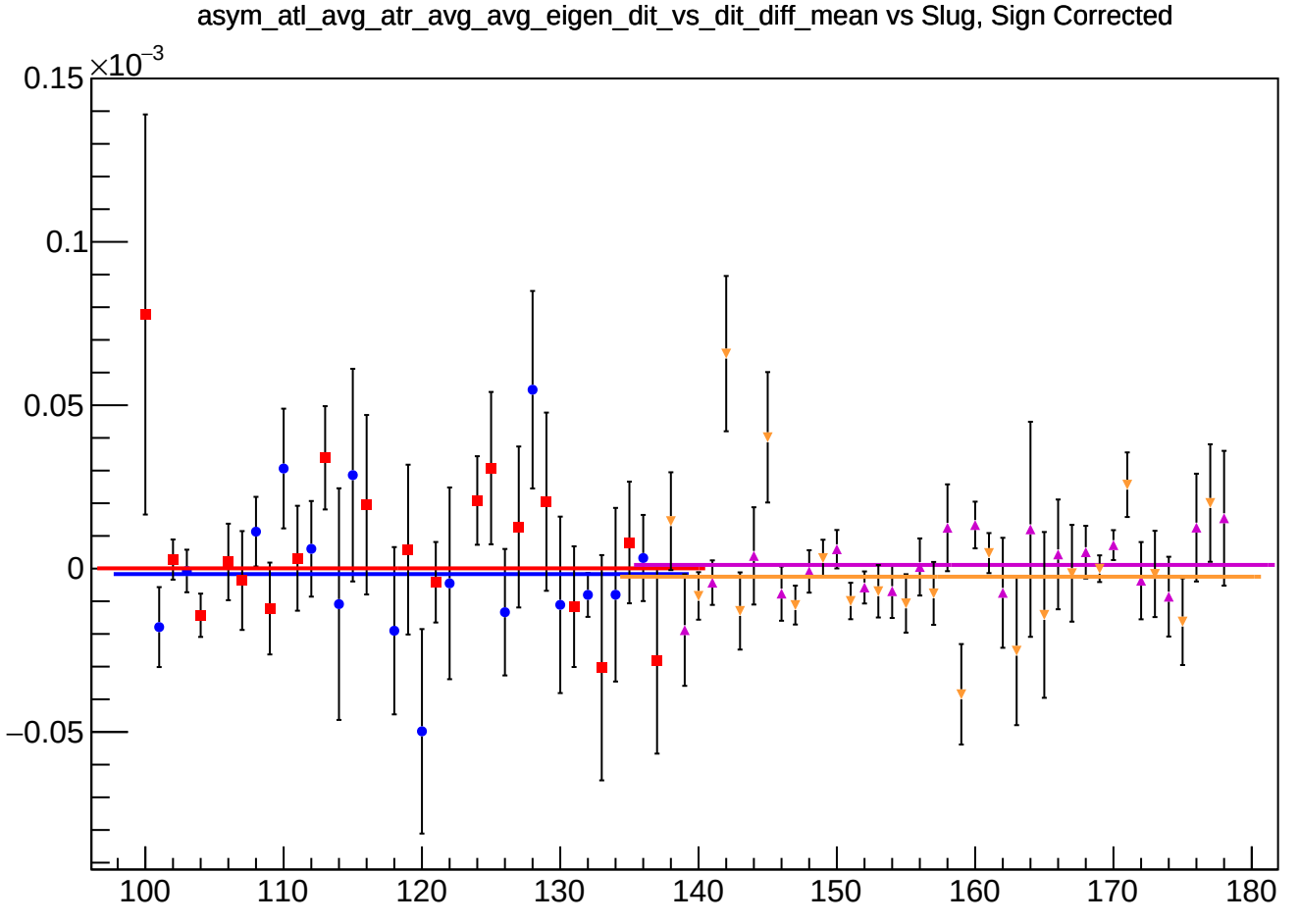
Left: 296.901+/-0.039 χ^2/NDF: 5423371.3/40

Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 221.406+/-0.036 χ^2/NDF:6559294.7/35

Out: 210.718+/-0.035 χ^2/NDF:9873101.5/39

All: 215.995+/-0.025 χ^2/NDF: 16478078.0/75



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:14.7/19

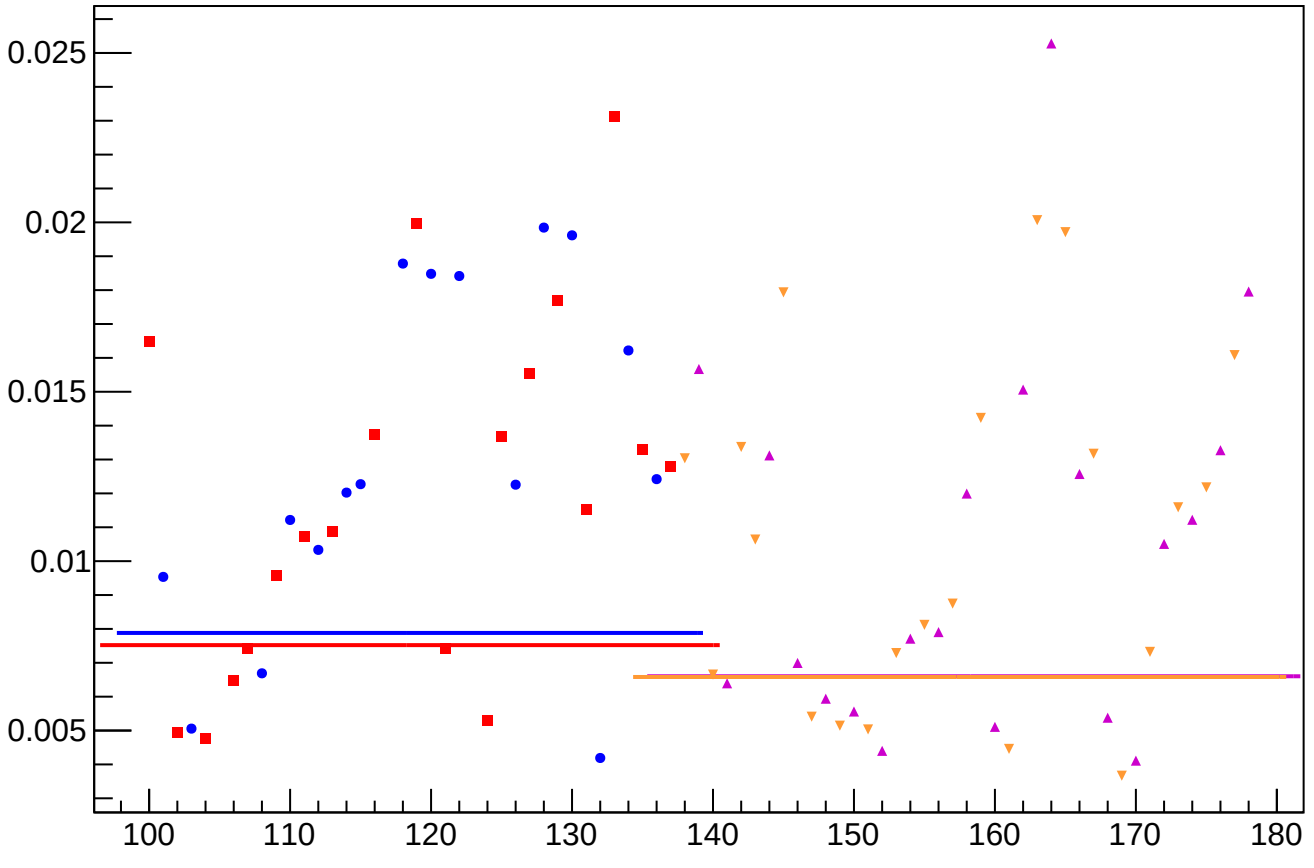
Left: -0.000+/-0.000 χ^2/NDF: 57.6/40

Right: -0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:30.7/35

Out: -0.000+/-0.000 χ^2/NDF:61.5/39

All: -0.000+/-0.000 χ^2/NDF: 93.1/75



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:5418804.8/19

Left: 0.007+/-0.000 χ^2/NDF: 11972604.8/40

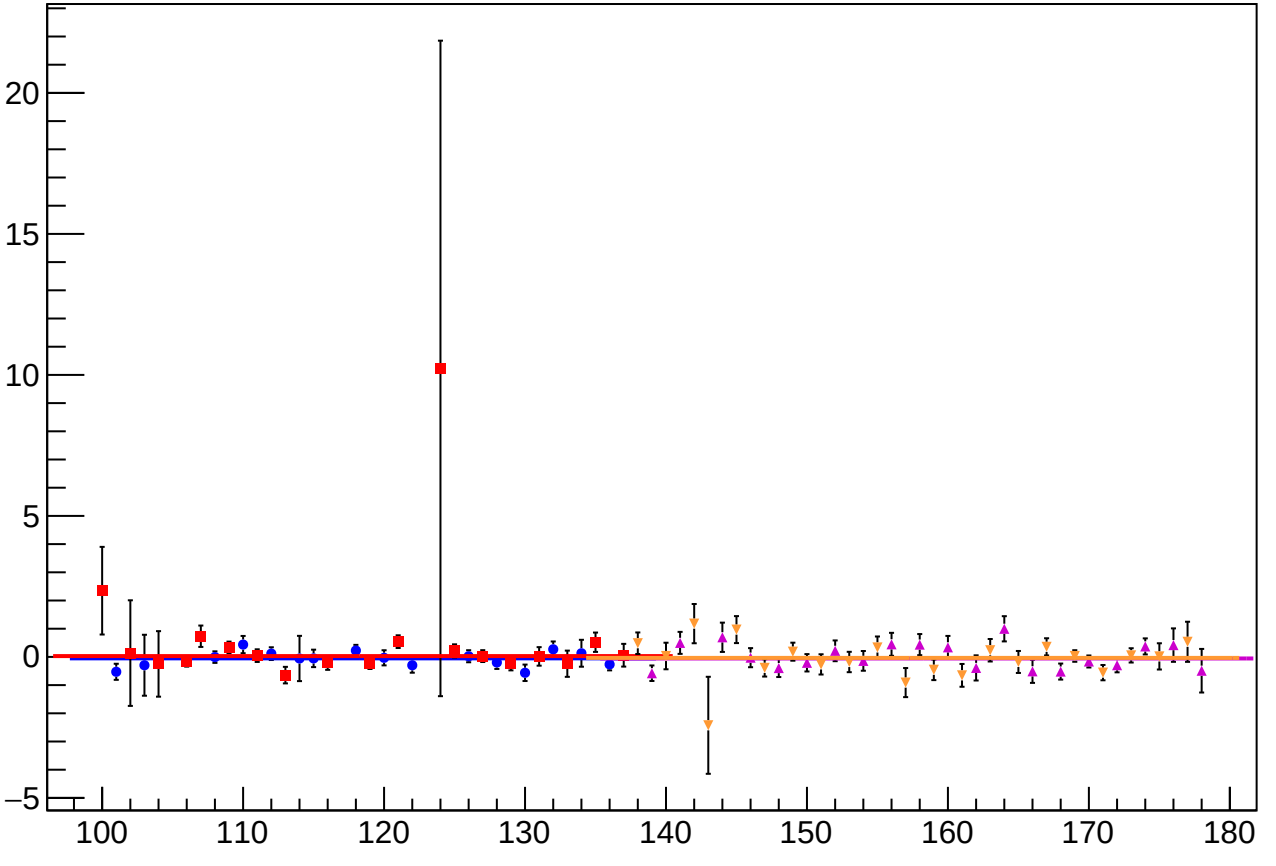
Right: 0.008+/-0.000 χ^2/NDF: 6289175.2/34

In: 0.007+/-0.000 χ^2/NDF:8937195.7/35

Out: 0.007+/-0.000 χ^2/NDF:9661998.8/39

All: 0.007+/-0.000 χ^2/NDF: 18601410.9/75

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: -0.055+/-0.077 χ^2/NDF:28.3/19

Left: -0.046+/-0.055 χ^2/NDF: 56.2/40

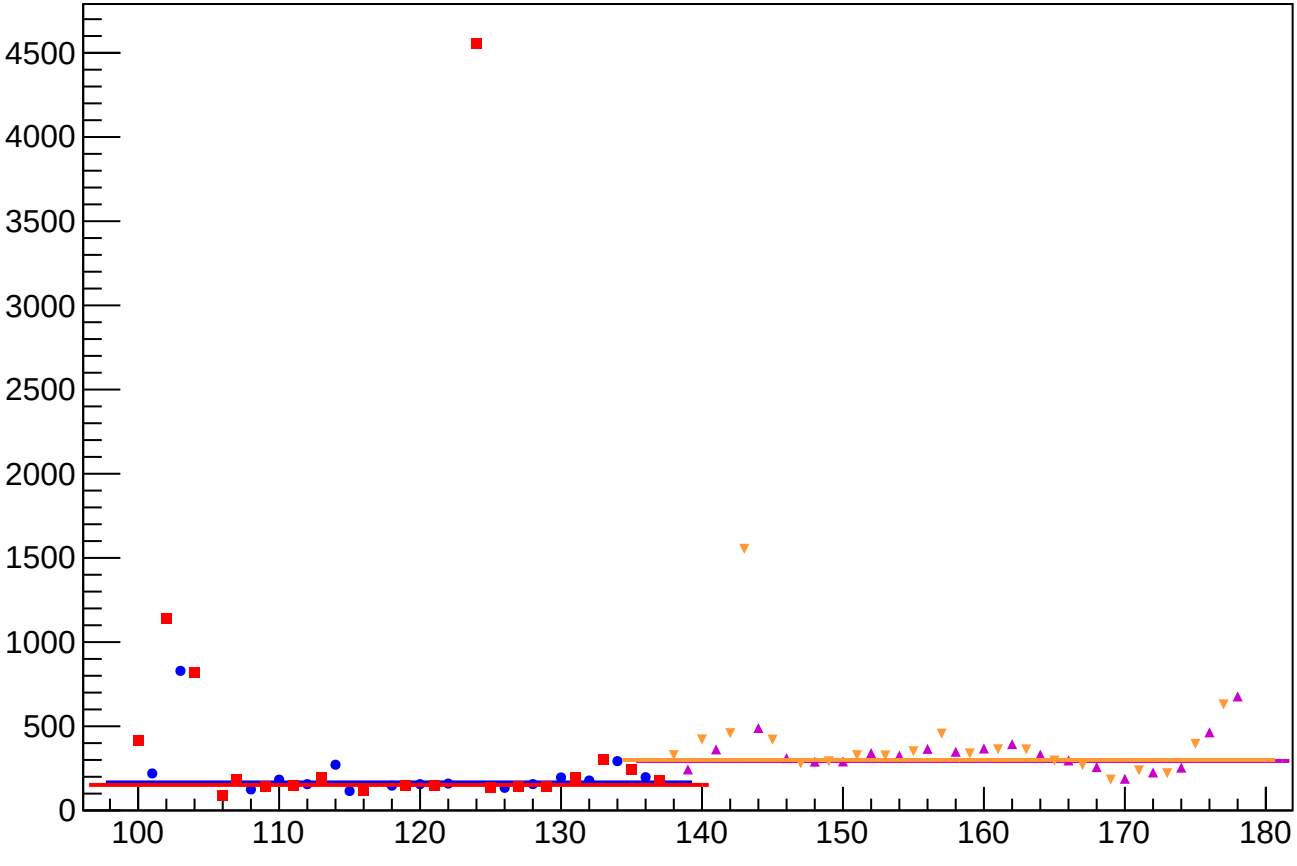
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.053+/-0.050 χ^2/NDF:43.1/35

Out: 0.004+/-0.050 χ^2/NDF:55.9/39

All: -0.024+/-0.035 χ^2/NDF: 99.7/75

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: 293.951+/-0.054 χ^2/NDF:2122030.5/19

Left: 296.901+/-0.039 χ^2/NDF: 5423672.0/40

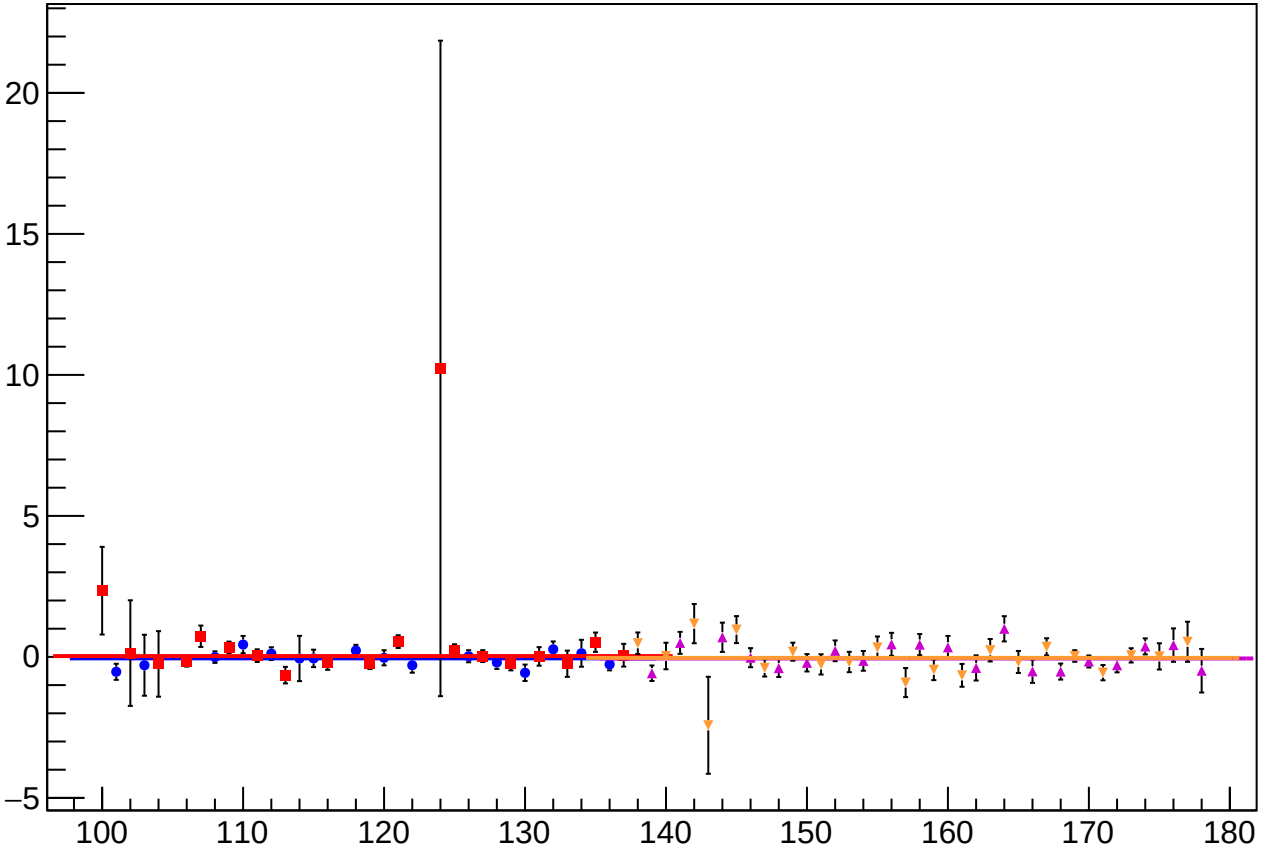
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 221.405+/-0.036 χ^2/NDF:6559502.0/35

Out: 210.716+/-0.035 χ^2/NDF:9873362.1/39

All: 215.994+/-0.025 χ^2/NDF: 16478554.7/75

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: -0.055+/-0.077 χ^2/NDF:28.3/19

Left: -0.046+/-0.055 χ^2/NDF: 56.2/40

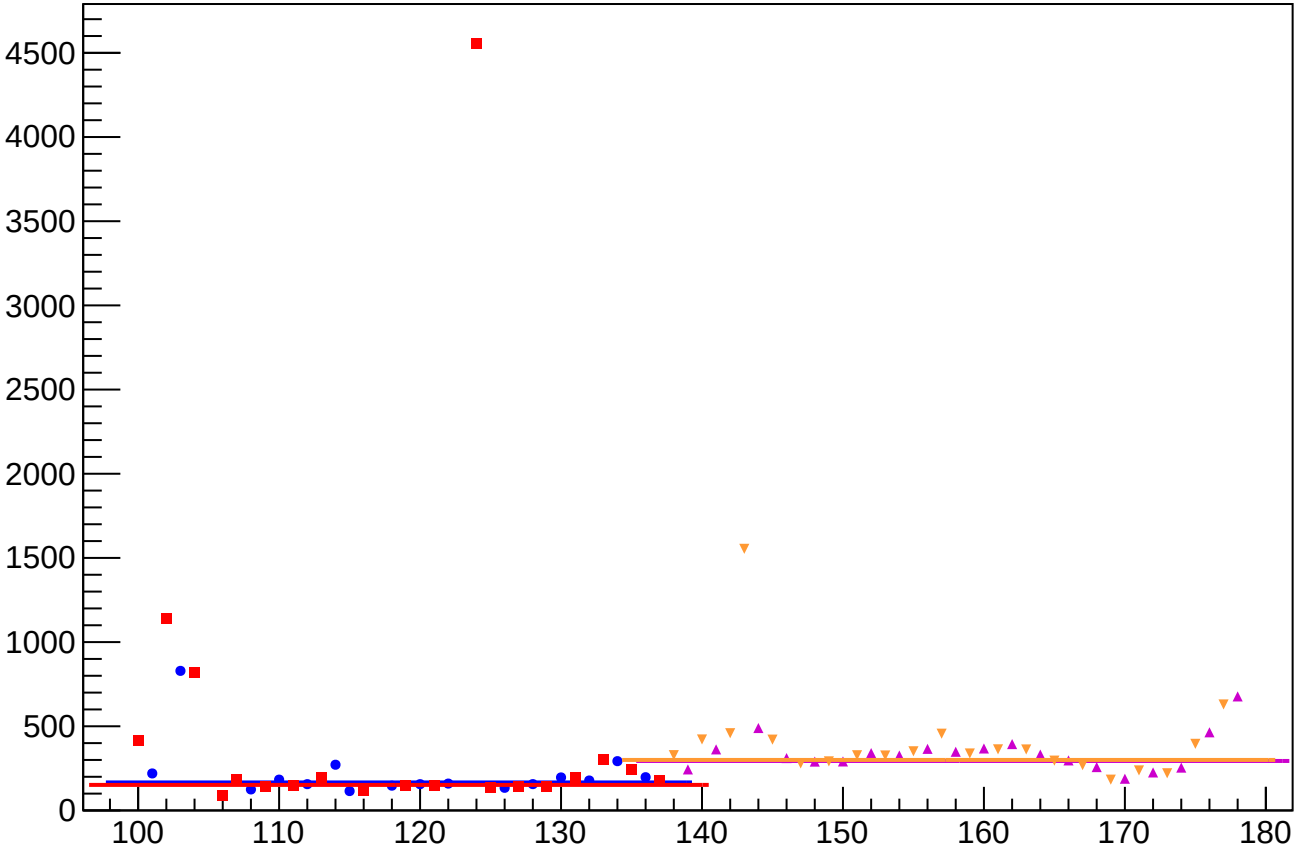
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.053+/-0.050 χ^2/NDF:43.1/35

Out: 0.004+/-0.050 χ^2/NDF:55.9/39

All: -0.024+/-0.035 χ^2/NDF: 99.7/75

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: 293.951+/-0.054 χ^2/NDF:2122030.5/19

Left: 296.901+/-0.039 χ^2/NDF: 5423672.0/40

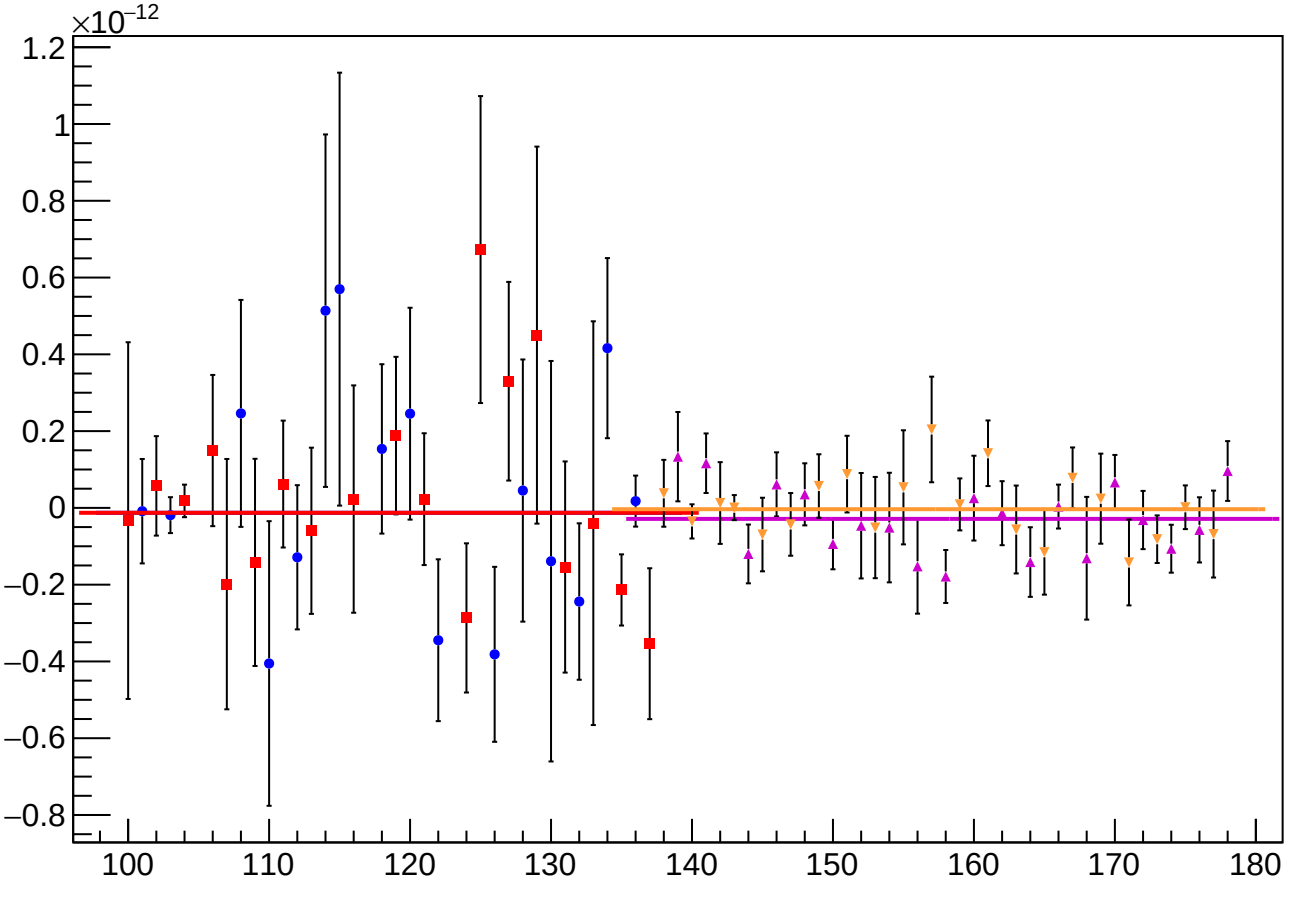
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 221.405+/-0.036 χ^2/NDF:6559502.0/35

Out: 210.716+/-0.035 χ^2/NDF:9873362.1/39

All: 215.994+/-0.025 χ^2/NDF: 16478554.7/75

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.2/20

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:23.9/19

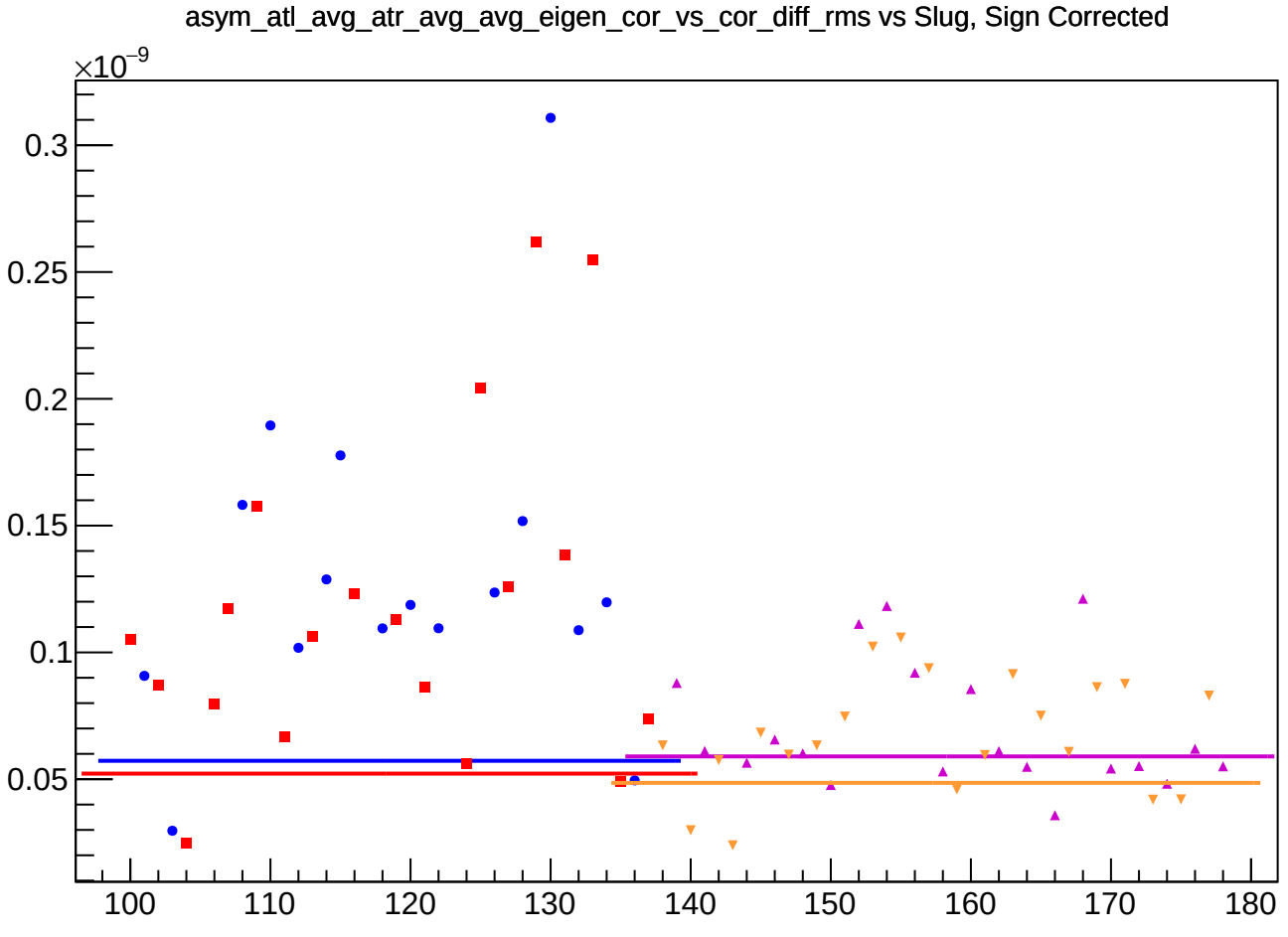
Left: -0.000+/-0.000 χ^2/NDF: 39.2/40

Right: -0.000+/-0.000 χ^2/NDF: 35.0/34

In: -0.000+/-0.000 χ^2/NDF:40.2/35

Out: -0.000+/-0.000 χ^2/NDF:33.1/39

All: -0.000+/-0.000 χ^2/NDF: 74.2/75



Right In: 0.000+/-0.000 χ^2/NDF: 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:3895195.0/20

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1825092.0/19

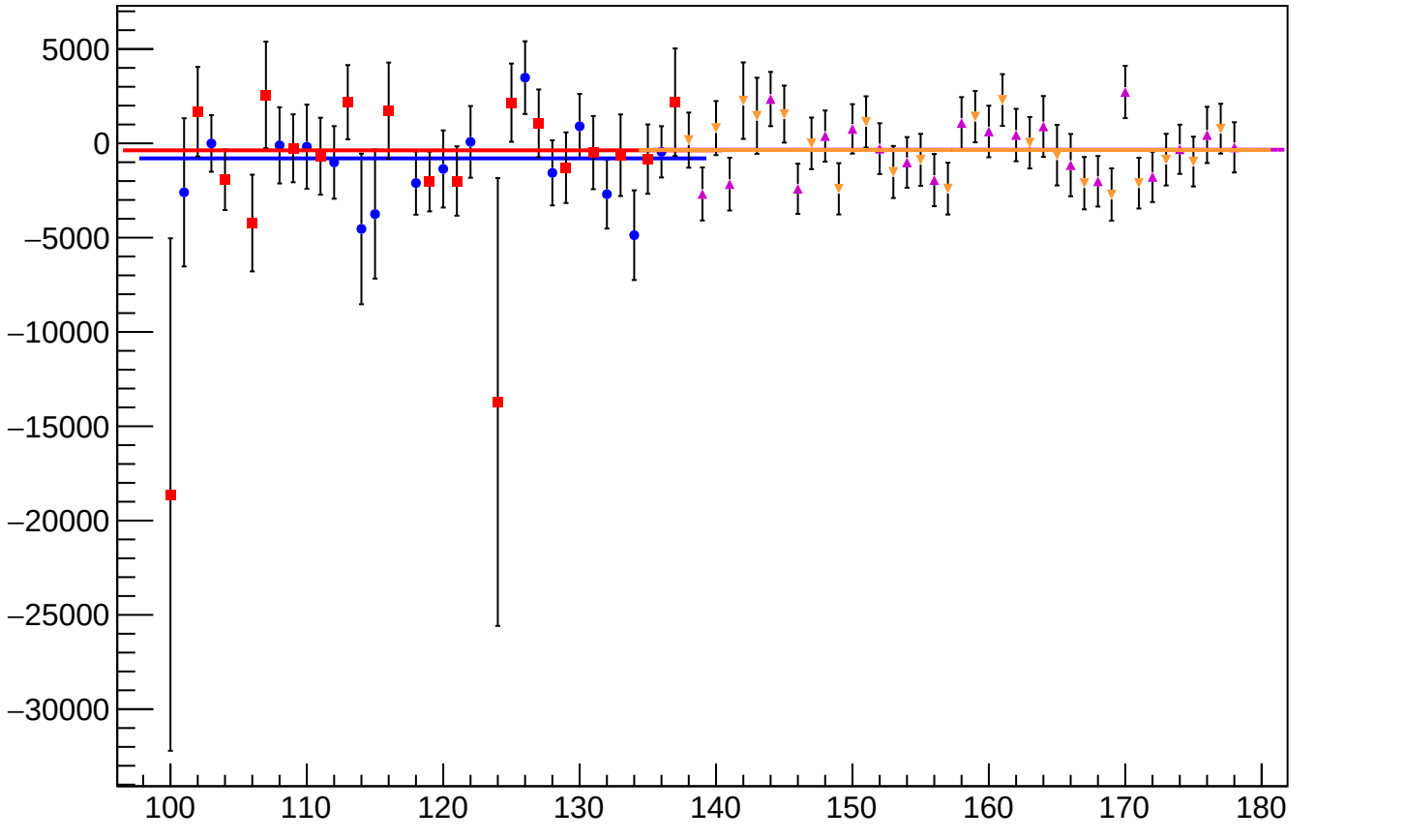
Left: 0.000+/-0.000 χ^2/NDF: 6080399.3/40

Right: 0.000+/-0.000 χ^2/NDF: 6295515.7/34

In: 0.000+/-0.000 χ^2/NDF:4812397.1/35

Out: 0.000+/-0.000 χ^2/NDF:7204263.3/39

All: 0.000+/-0.000 χ^2/NDF: 12382831.9/75



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: -337.553+/-310.167 χ^2/NDF:23.6/19

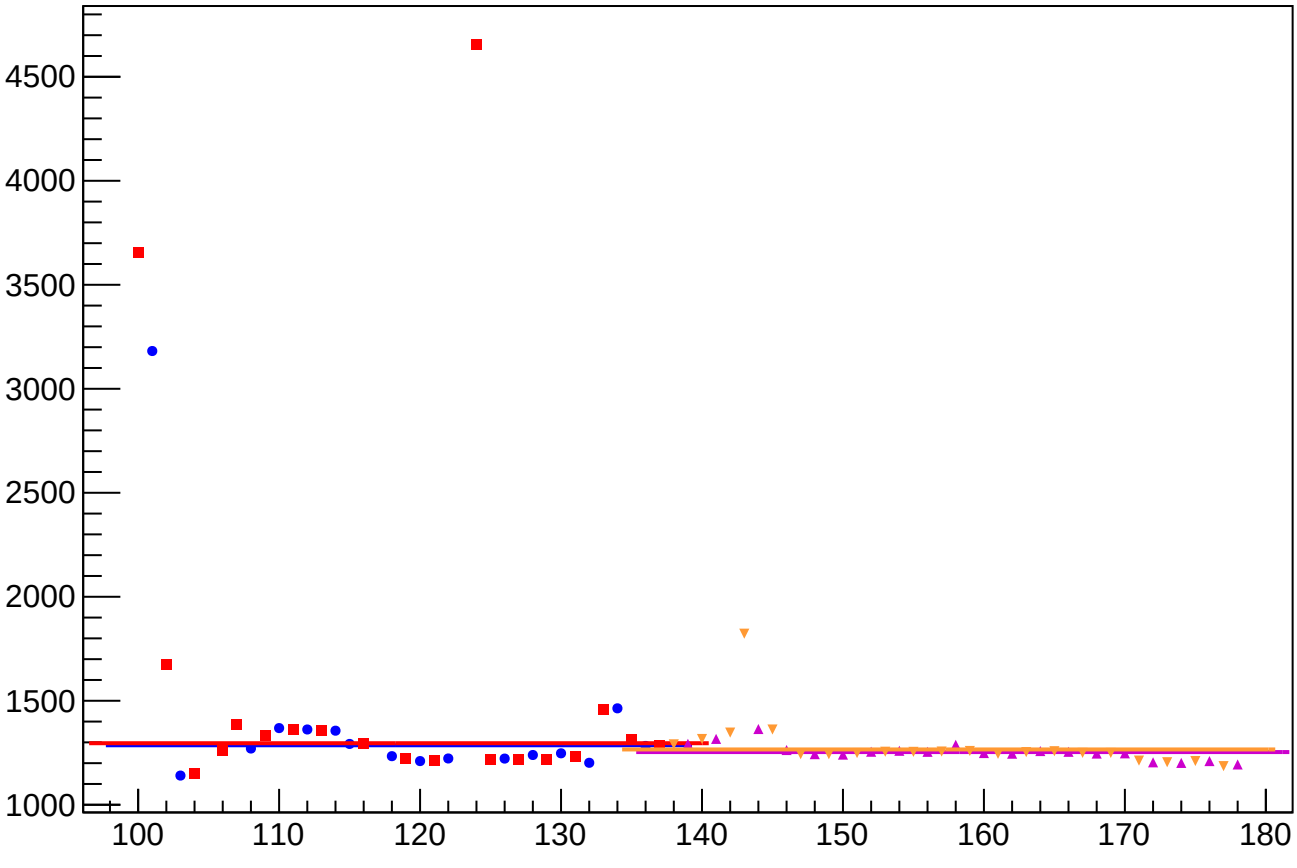
Left: -344.338+/-219.555 χ^2/NDF: 47.9/40

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -470.046+/-261.684 χ^2/NDF:37.6/35

Out: -356.629+/-261.827 χ^2/NDF:39.9/39

All: -413.368+/-185.089 χ^2/NDF: 77.6/75



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: 1253.384+/-0.219 χ^2/NDF:31113.9/19

Left: 1259.653+/-0.155 χ^2/NDF: 220576.1/40

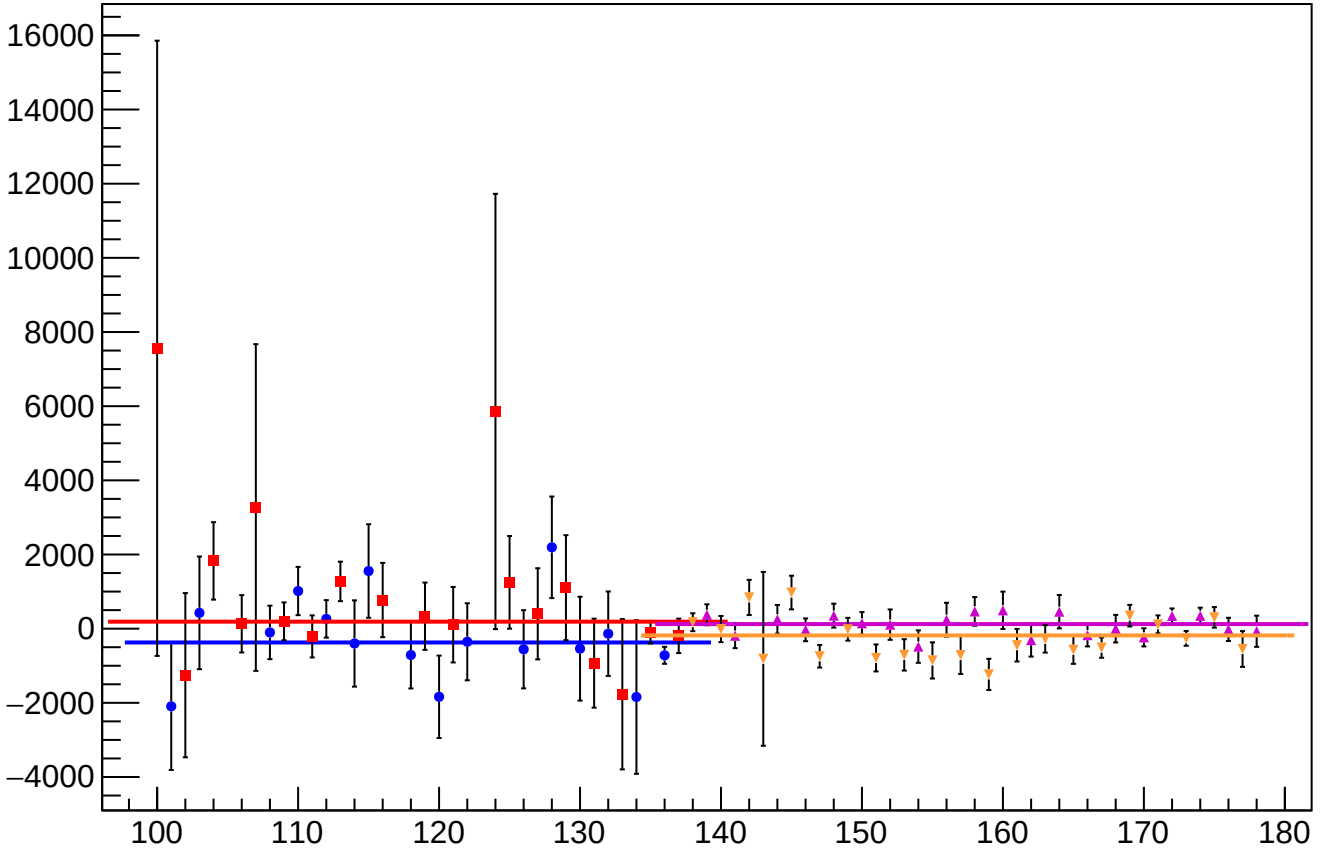
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1262.812+/-0.185 χ^2/NDF:555652.6/35

Out: 1274.660+/-0.185 χ^2/NDF:521303.9/39

All: 1268.733+/-0.131 χ^2/NDF: 1079005.4/75

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: 123.878+/-72.178 χ^2/NDF:13.2/19

Left: -26.980+/-51.381 χ^2/NDF: 64.6/40

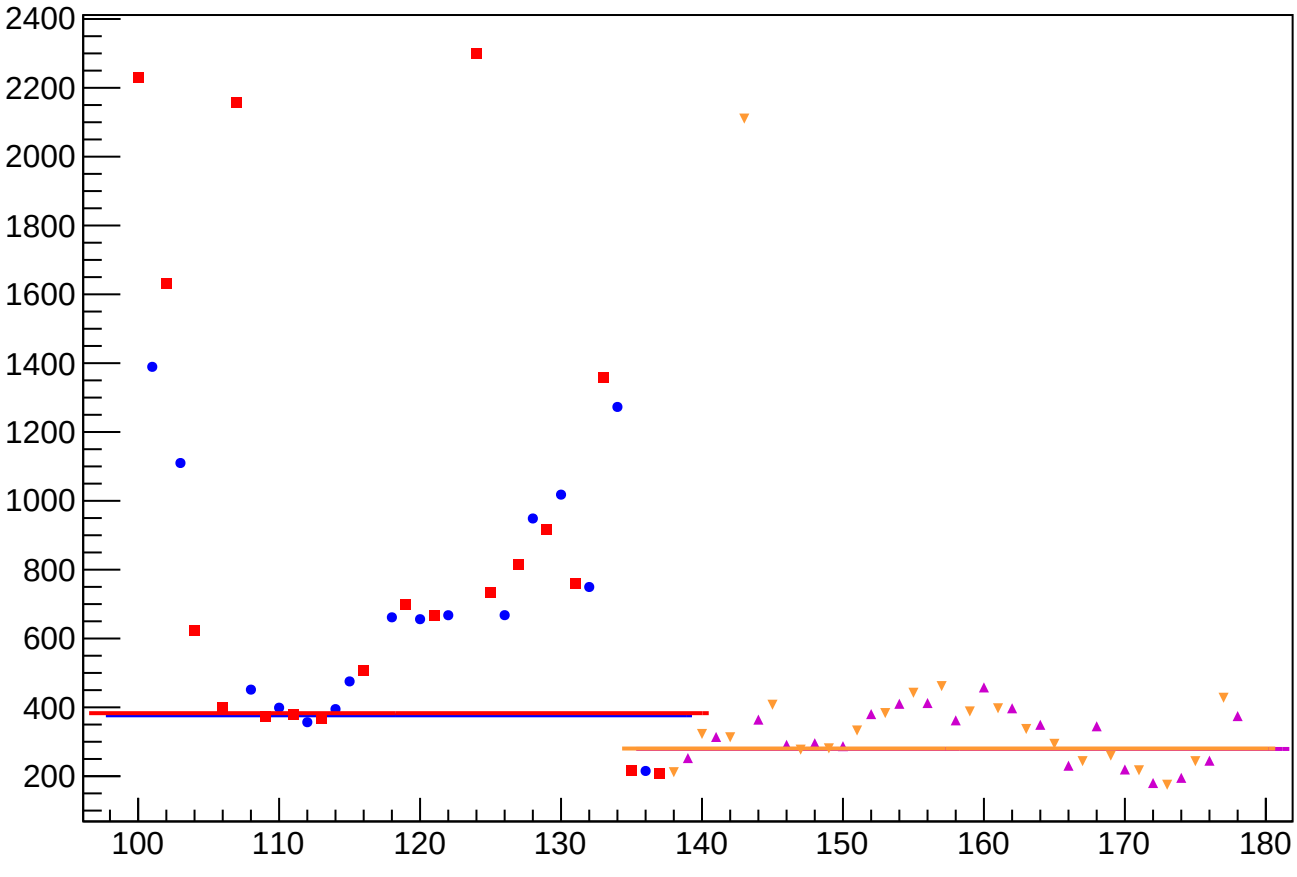
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: 46.717+/-66.329 χ^2/NDF:38.7/35

Out: -123.763+/-67.174 χ^2/NDF:61.2/39

All: -37.444+/-47.198 χ^2/NDF: 103.2/75

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: 279.102+/-0.051 χ^2/NDF:2292660.1/19

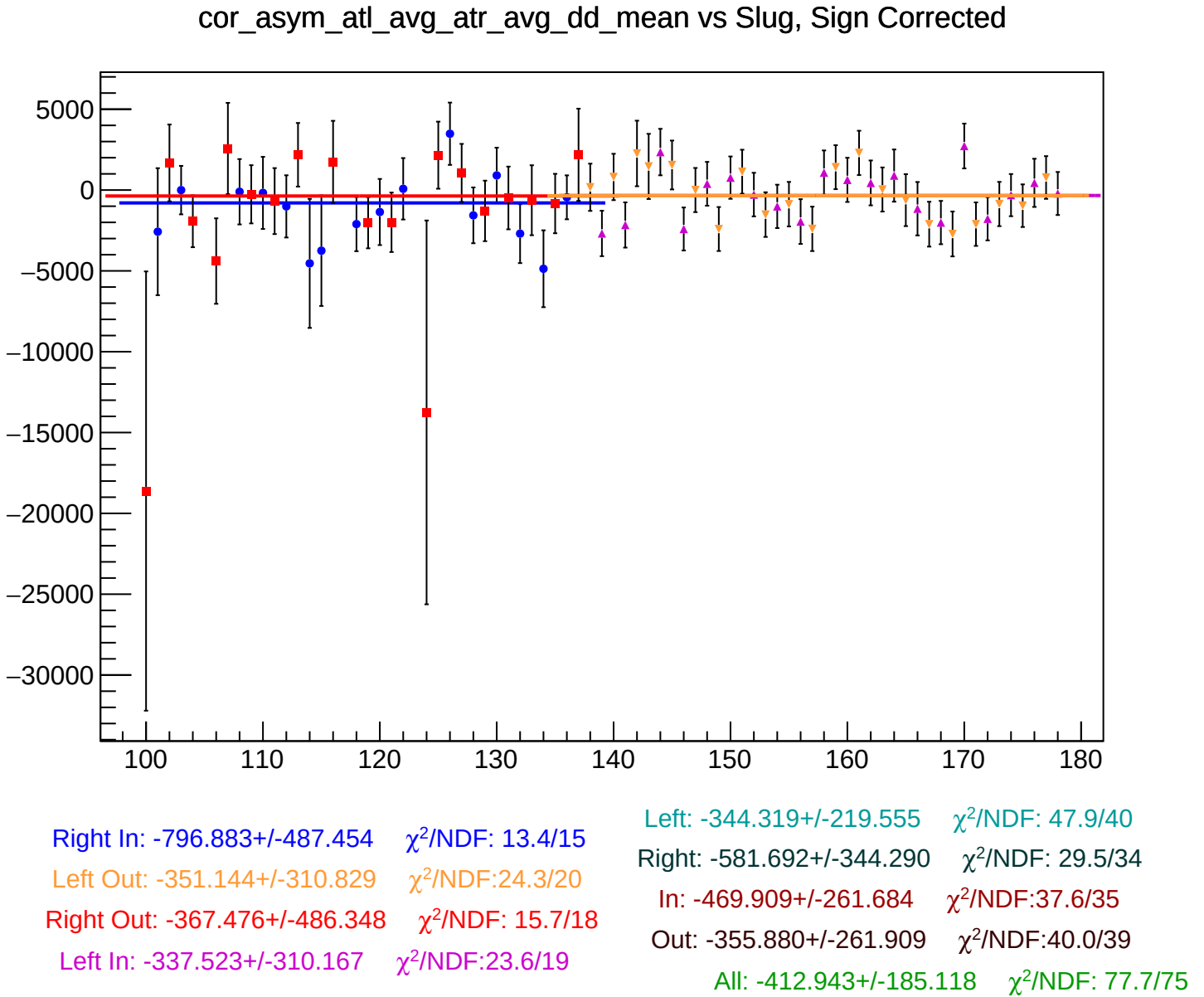
Left: 279.702+/-0.036 χ^2/NDF: 5785034.5/40

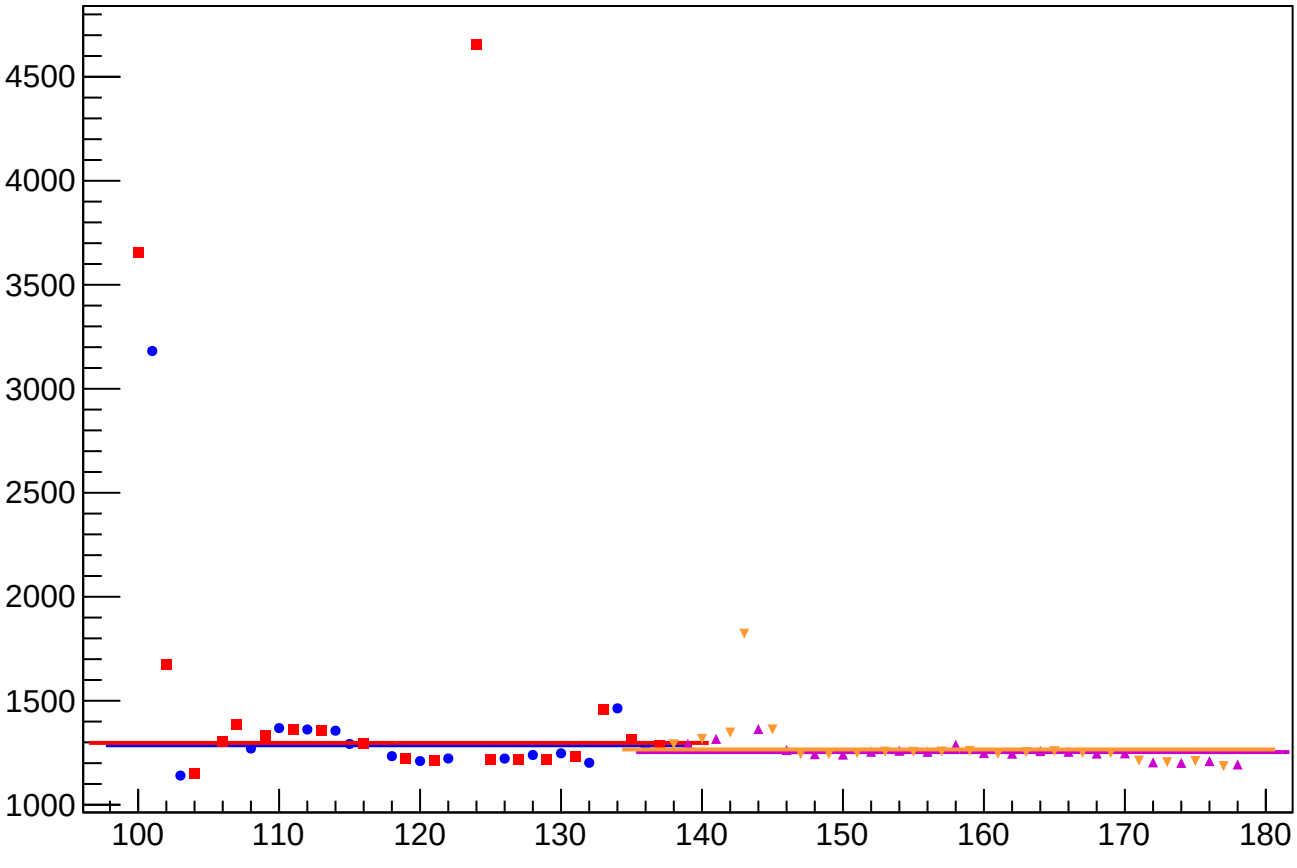
Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 294.309+/-0.047 χ^2/NDF:7053737.3/35

Out: 296.443+/-0.047 χ^2/NDF:8165344.3/39

All: 295.363+/-0.033 χ^2/NDF: 15220103.5/75


cor_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
180
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: -351.144+/-310.829 χ²/NDF:24.3/20
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -337.523+/-310.167 χ²/NDF:23.6/19
Left: -344.319+/-219.555 χ²/NDF: 47.9/40
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -469.909+/-261.684 χ²/NDF:37.6/35
Out: -355.880+/-261.909 χ²/NDF:40.0/39
All: -412.943+/-185.118 χ²/NDF: 77.7/75



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: 1253.384+/-0.219 χ^2/NDF:31113.9/19

Left: 1259.653+/-0.155 χ^2/NDF: 220576.1/40

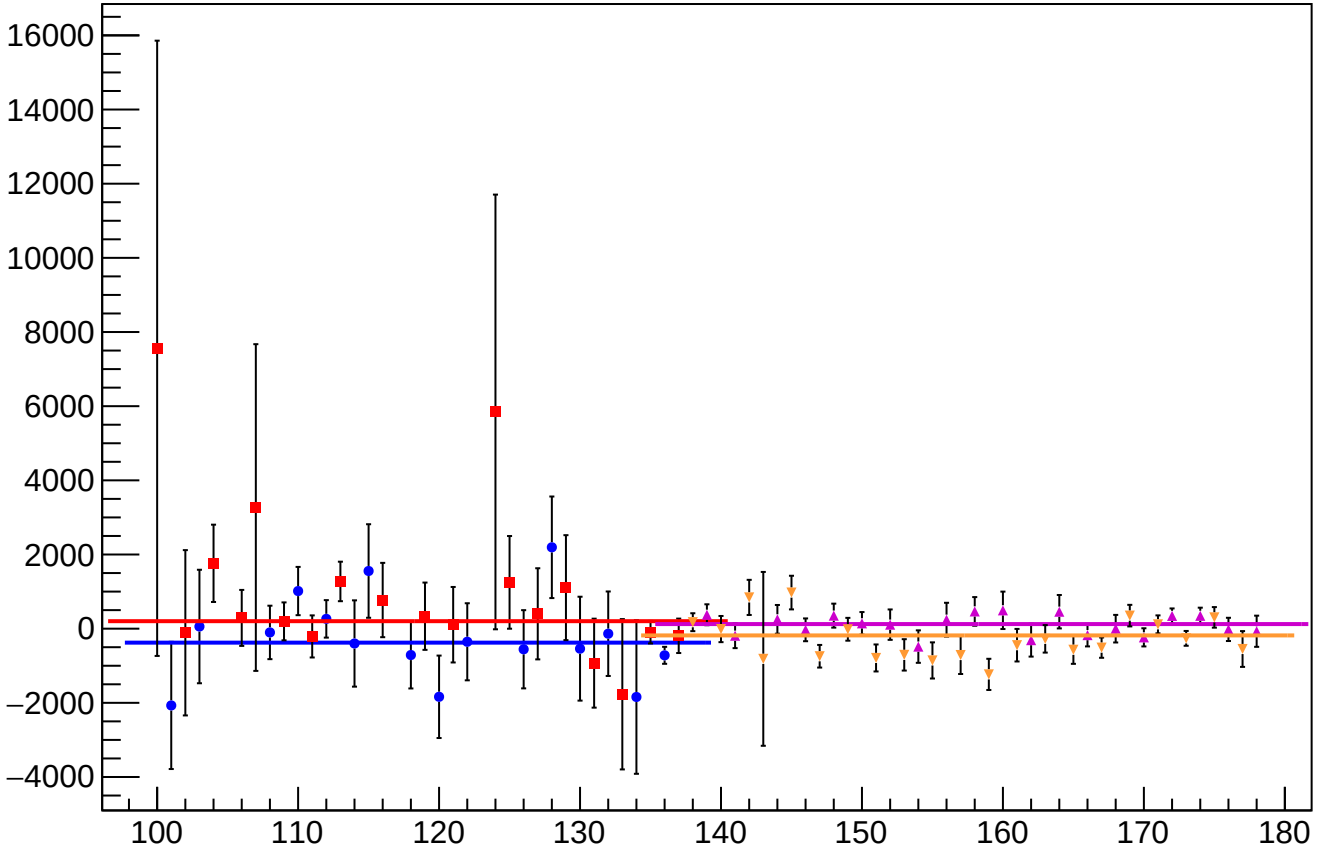
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1262.812+/-0.185 χ^2/NDF:555653.9/35

Out: 1275.068+/-0.185 χ^2/NDF:521502.6/39

All: 1268.934+/-0.131 χ^2/NDF: 1079348.2/75

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: 123.963+/-72.180 χ^2/NDF:13.2/19

Left: -26.934+/-51.382 χ^2/NDF: 64.6/40

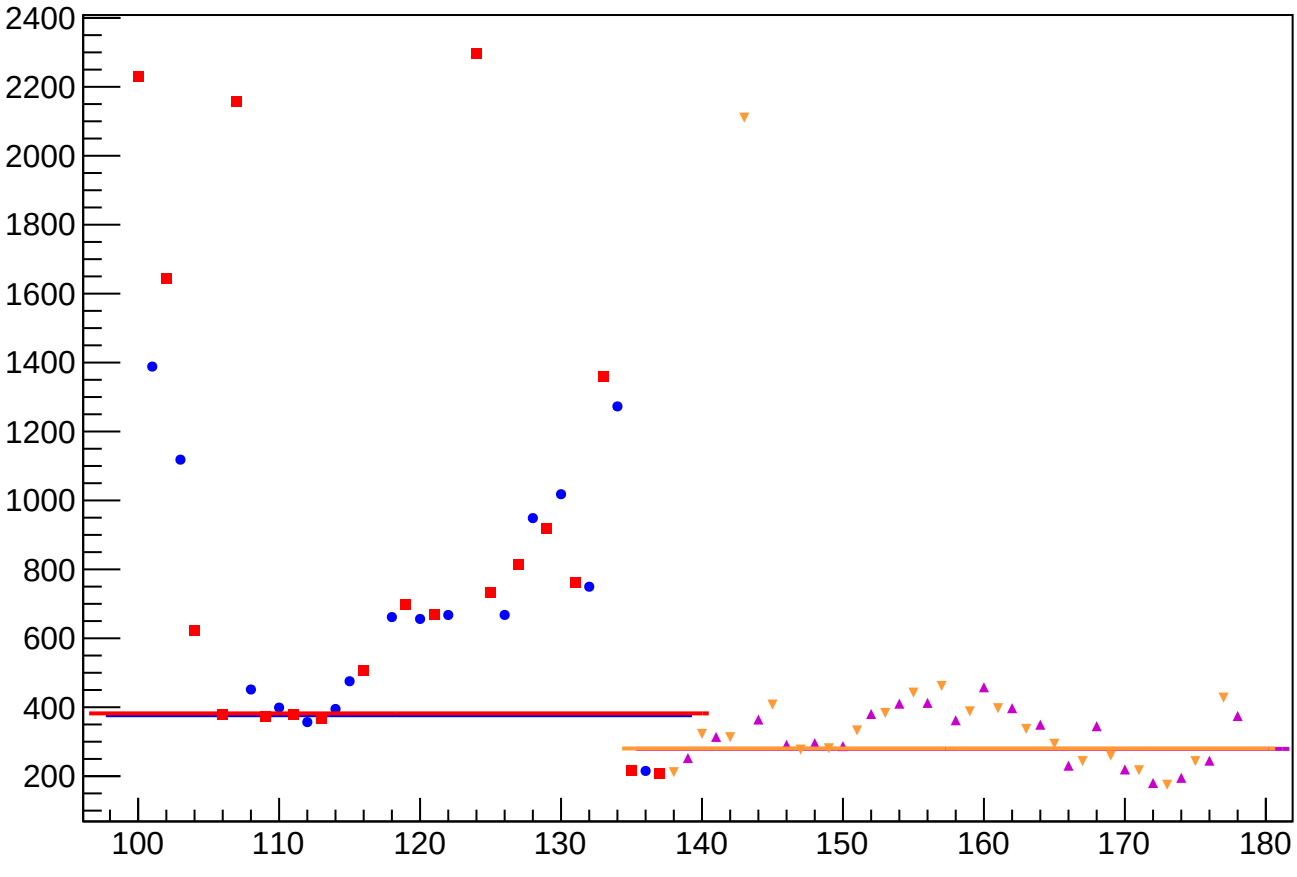
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 46.110+/-66.331 χ^2/NDF:38.6/35

Out: -121.567+/-67.164 χ^2/NDF:60.9/39

All: -36.684+/-47.195 χ^2/NDF: 102.7/75

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: 279.109+/-0.051 χ^2/NDF:2292490.1/19

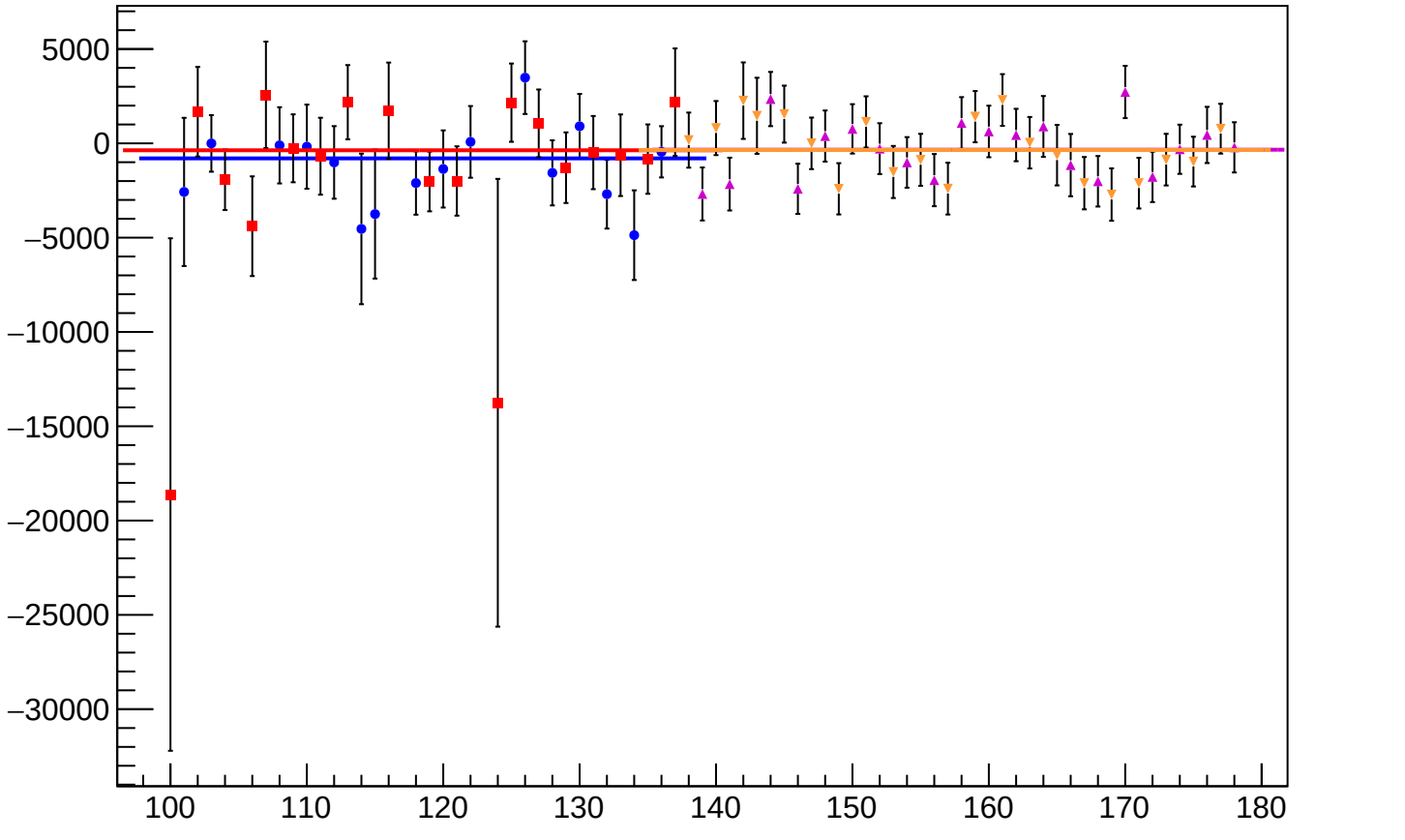
Left: 279.710+/-0.036 χ^2/NDF: 5784567.7/40

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 294.311+/-0.047 χ^2/NDF:7056405.8/35

Out: 296.336+/-0.047 χ^2/NDF:8160353.9/39

All: 295.311+/-0.033 χ^2/NDF: 15217680.3/75



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: -337.523+/-310.167 χ^2/NDF:23.6/19

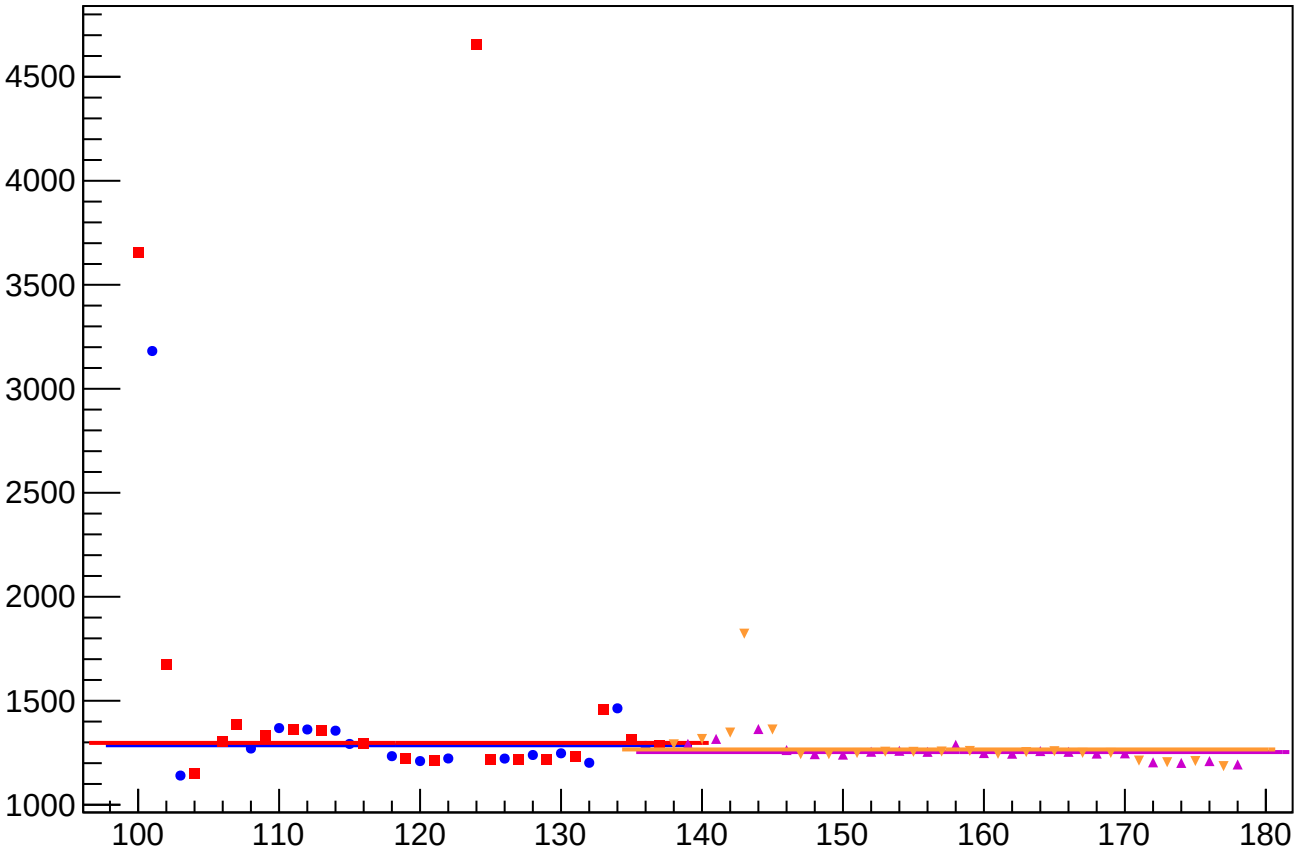
Left: -344.319+/-219.555 χ^2/NDF: 47.9/40

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -469.909+/-261.684 χ^2/NDF:37.6/35

Out: -355.880+/-261.909 χ^2/NDF:40.0/39

All: -412.943+/-185.118 χ^2/NDF: 77.7/75



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: 1253.384+/-0.219 χ^2/NDF:31113.9/19

Left: 1259.653+/-0.155 χ^2/NDF: 220576.1/40

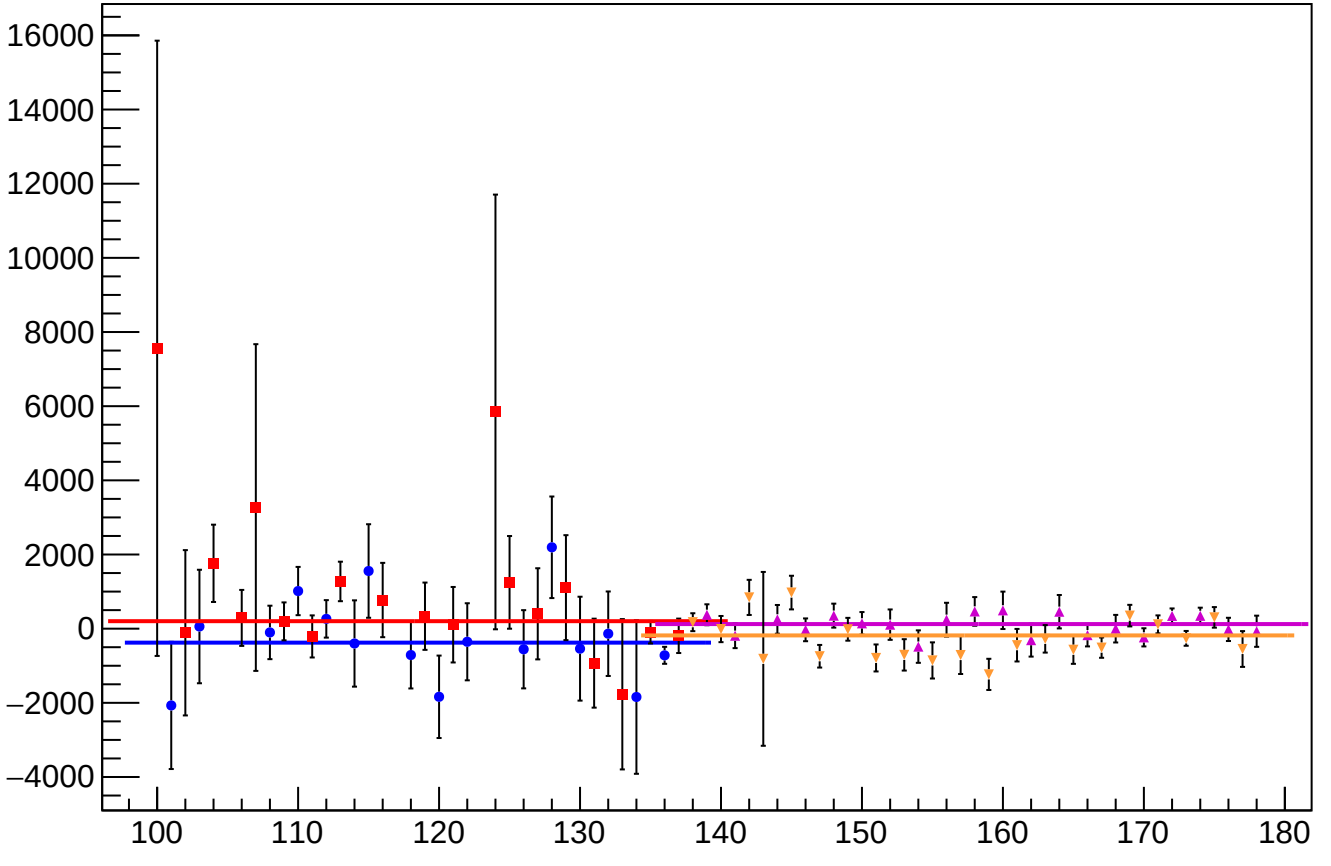
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1262.812+/-0.185 χ^2/NDF:555653.9/35

Out: 1275.068+/-0.185 χ^2/NDF:521502.6/39

All: 1268.934+/-0.131 χ^2/NDF: 1079348.2/75

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: 123.963+/-72.180 χ^2/NDF:13.2/19

Left: -26.934+/-51.382 χ^2/NDF: 64.6/40

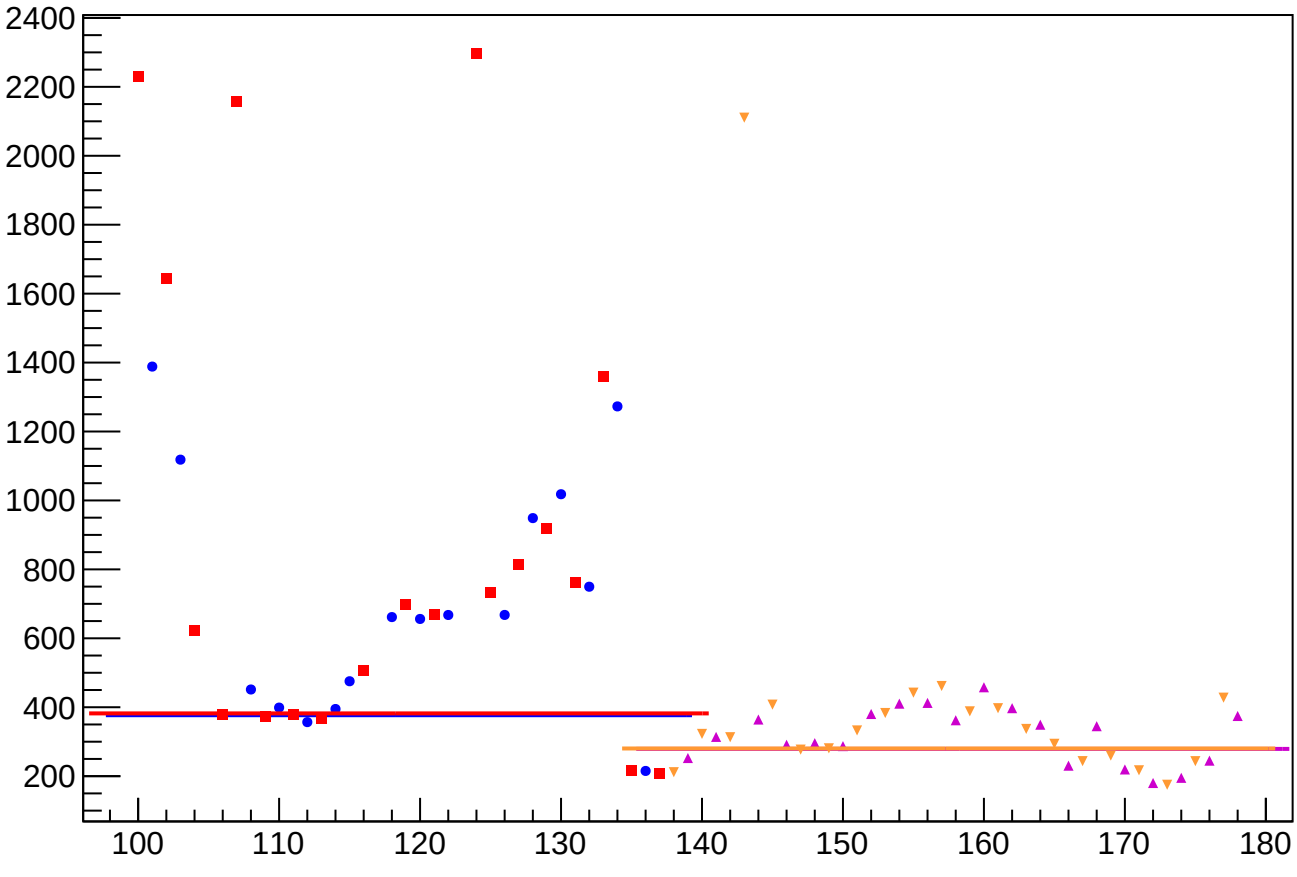
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 46.110+/-66.331 χ^2/NDF:38.6/35

Out: -121.567+/-67.164 χ^2/NDF:60.9/39

All: -36.684+/-47.195 χ^2/NDF: 102.7/75

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: 279.109+/-0.051 χ^2/NDF:2292490.1/19

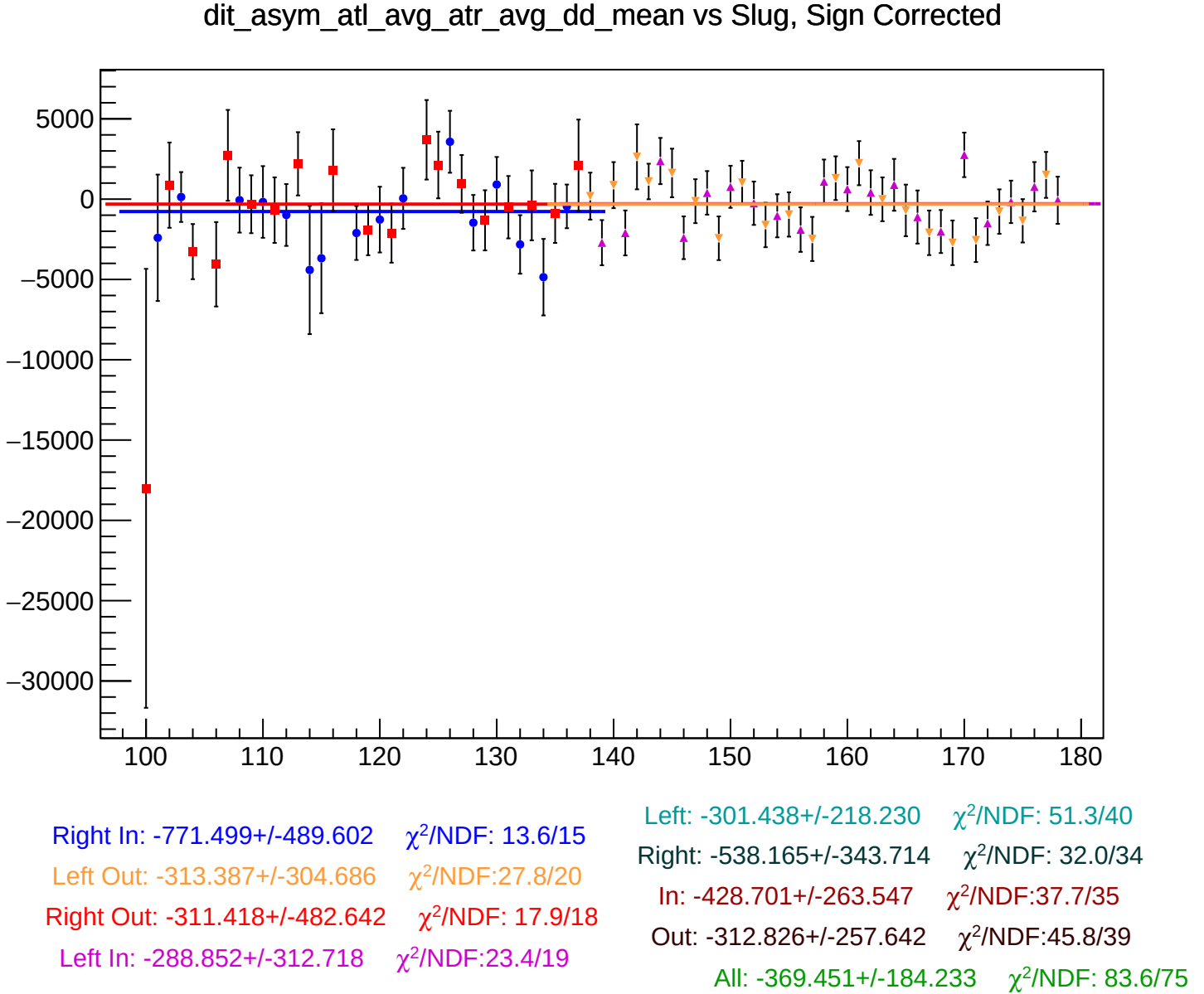
Left: 279.710+/-0.036 χ^2/NDF: 5784567.7/40

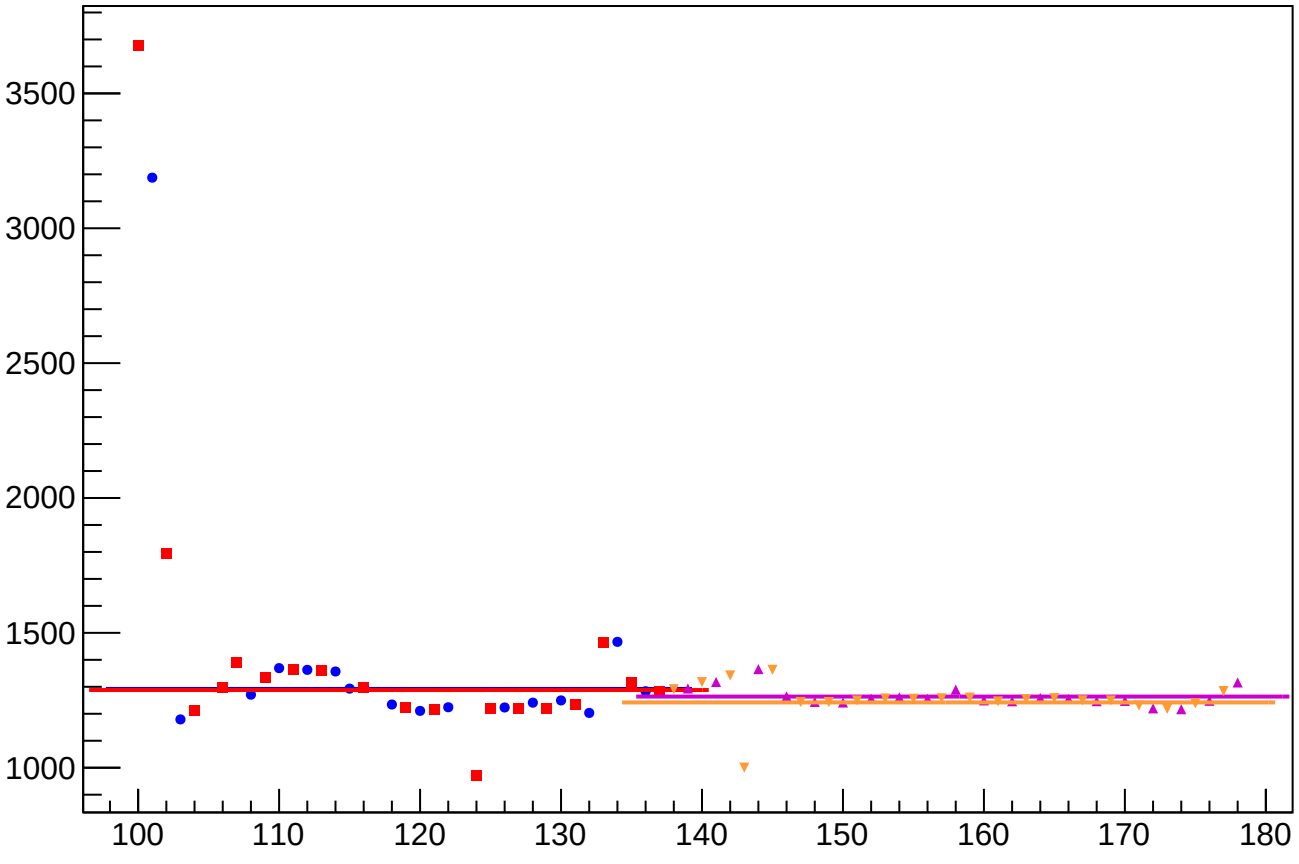
Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 294.311+/-0.047 χ^2/NDF:7056405.8/35

Out: 296.336+/-0.047 χ^2/NDF:8160353.9/39

All: 295.311+/-0.033 χ^2/NDF: 15217680.3/75


dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
180
Right In: -771.499+/-489.602 χ²/NDF: 13.6/15
Left Out: -313.387+/-304.686 χ²/NDF:27.8/20
Right Out: -311.418+/-482.642 χ²/NDF: 17.9/18
Left In: -288.852+/-312.718 χ²/NDF:23.4/19
Left: -301.438+/-218.230 χ²/NDF: 51.3/40
Right: -538.165+/-343.714 χ²/NDF: 32.0/34
In: -428.701+/-263.547 χ²/NDF:37.7/35
Out: -312.826+/-257.642 χ²/NDF:45.8/39
All: -369.451+/-184.233 χ²/NDF: 83.6/75



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: 1263.779+/-0.221 χ^2/NDF:24257.3/19

Left: 1252.638+/-0.154 χ^2/NDF: 153969.1/40

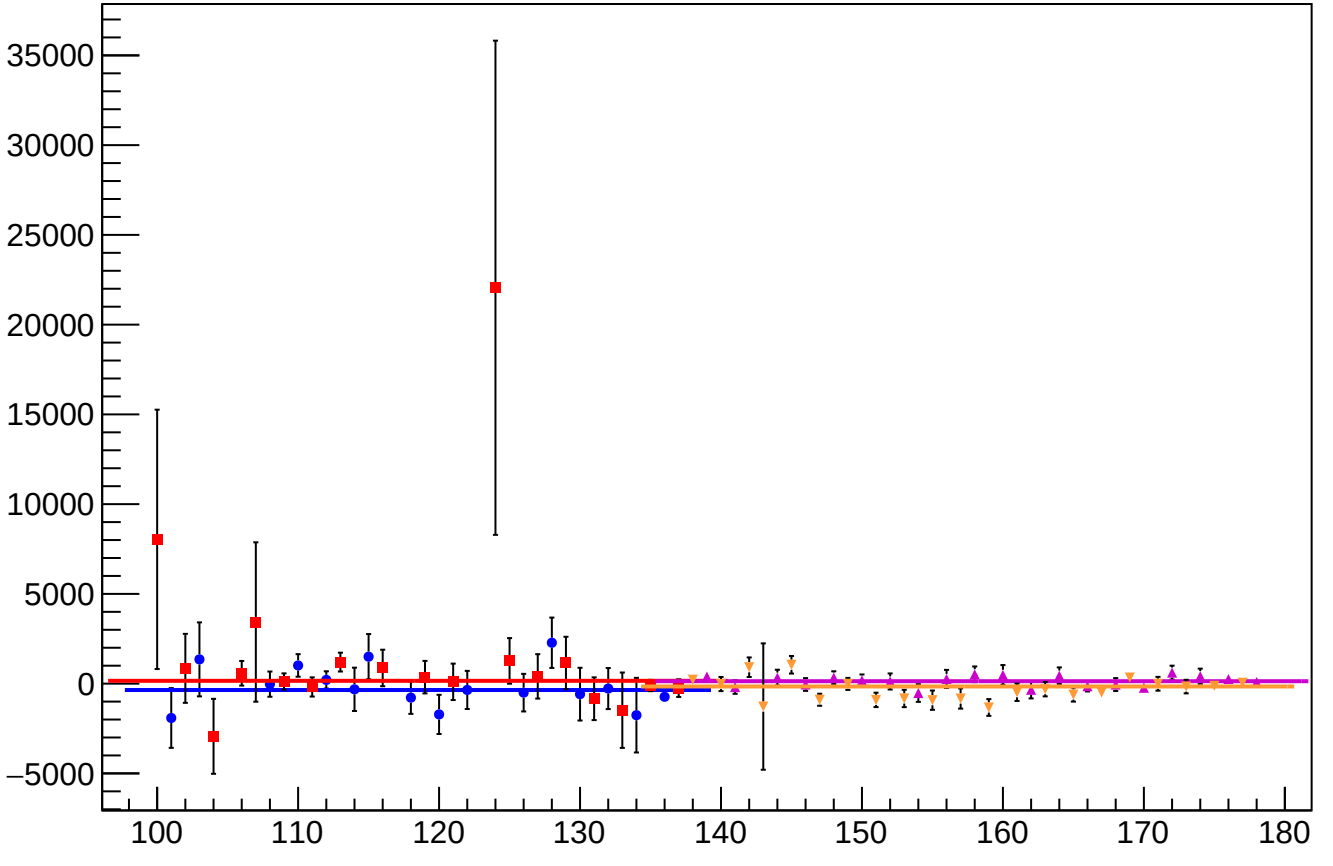
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1271.967+/-0.186 χ^2/NDF:538395.7/35

Out: 1255.150+/-0.182 χ^2/NDF:346921.1/39

All: 1263.368+/-0.130 χ^2/NDF: 889481.1/75

asym_atl_avg_atr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -157.443+/-69.193 χ^2/NDF:41.5/20

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 135.587+/-73.662 χ^2/NDF:13.0/19

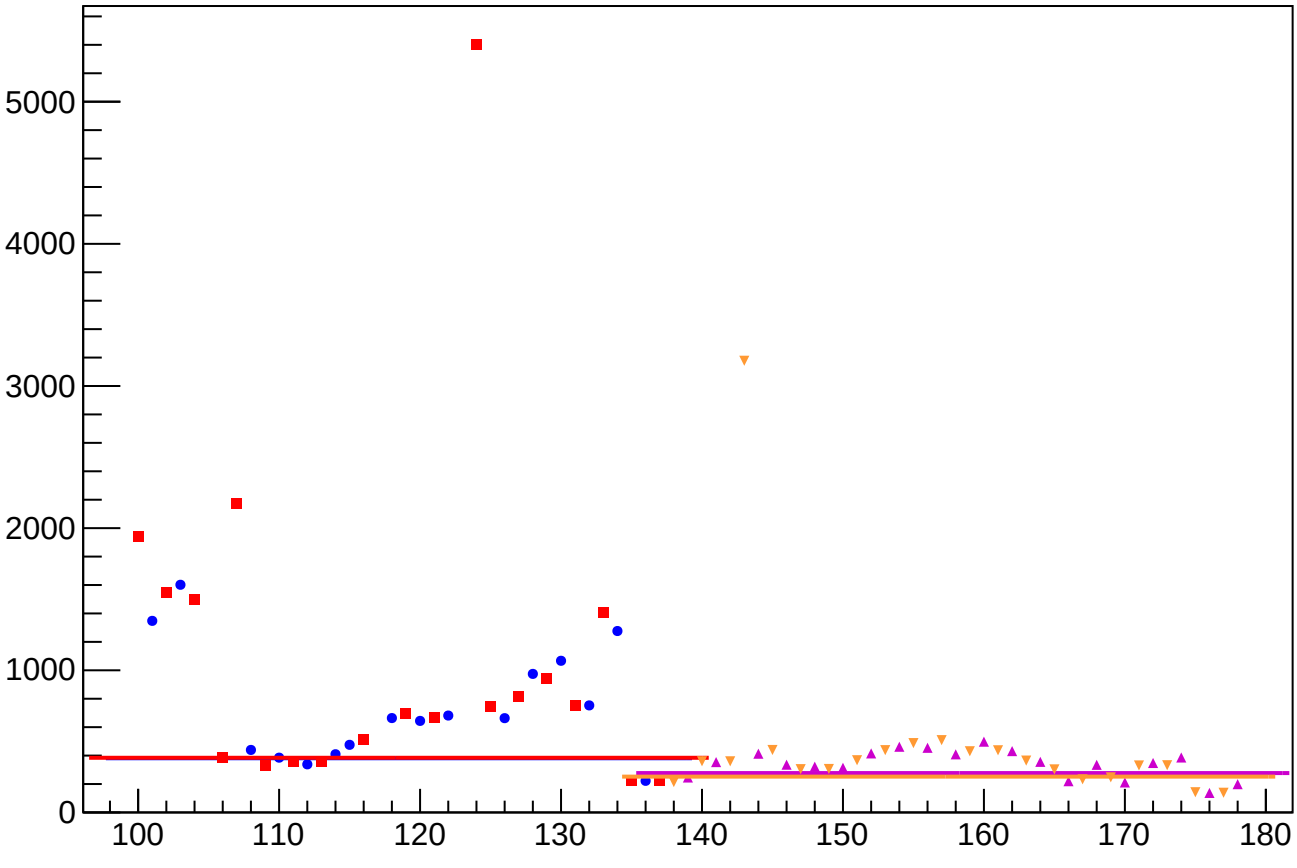
Left: -20.084+/-50.433 χ^2/NDF: 63.0/40

Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: 57.980+/-67.587 χ^2/NDF:38.5/35

Out: -112.471+/-64.070 χ^2/NDF:60.3/39

All: -31.796+/-46.498 χ^2/NDF: 102.2/75



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: 277.021+/-0.052 χ^2/NDF:3988205.7/19

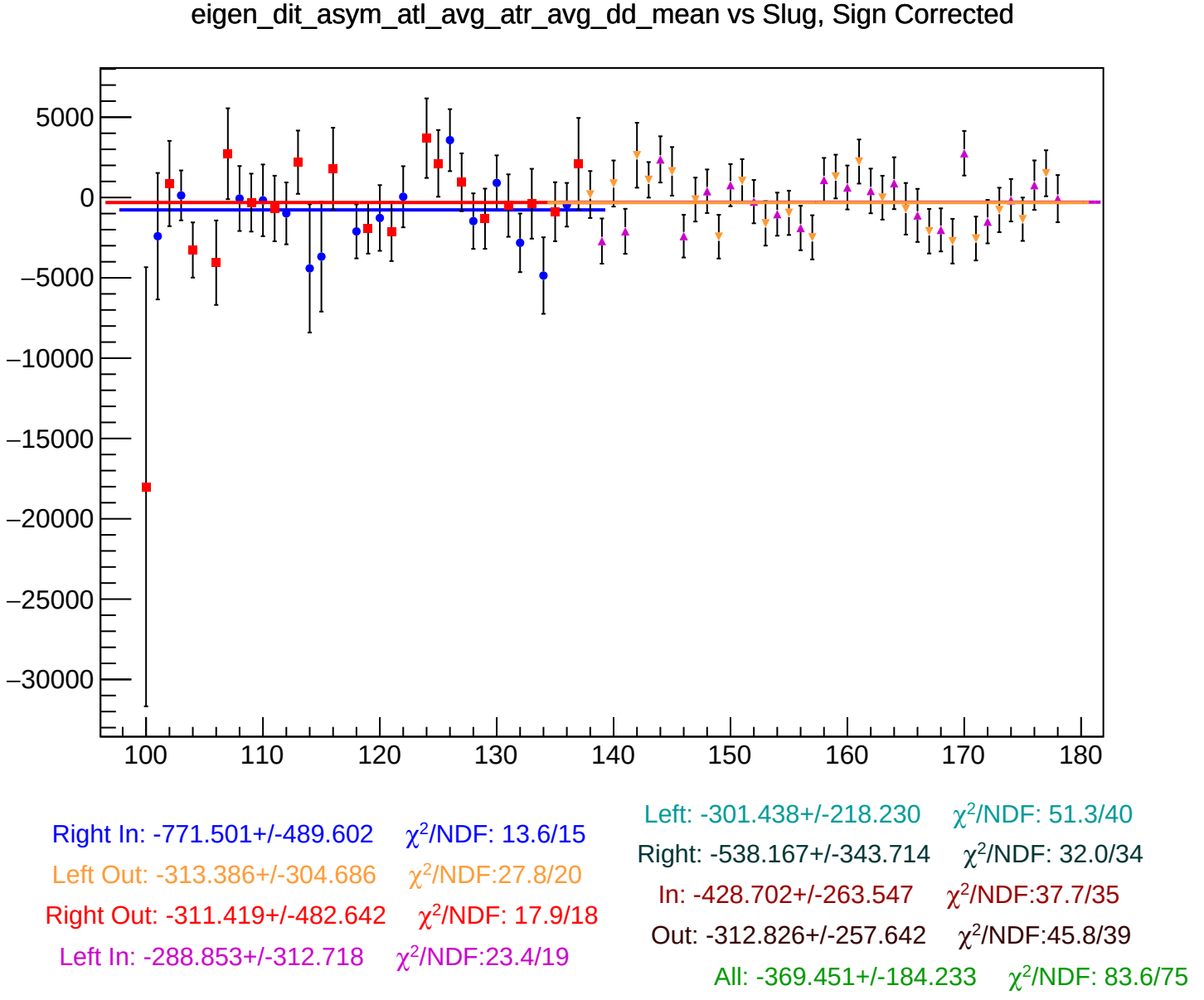
Left: 263.762+/-0.036 χ^2/NDF: 10387924.8/40

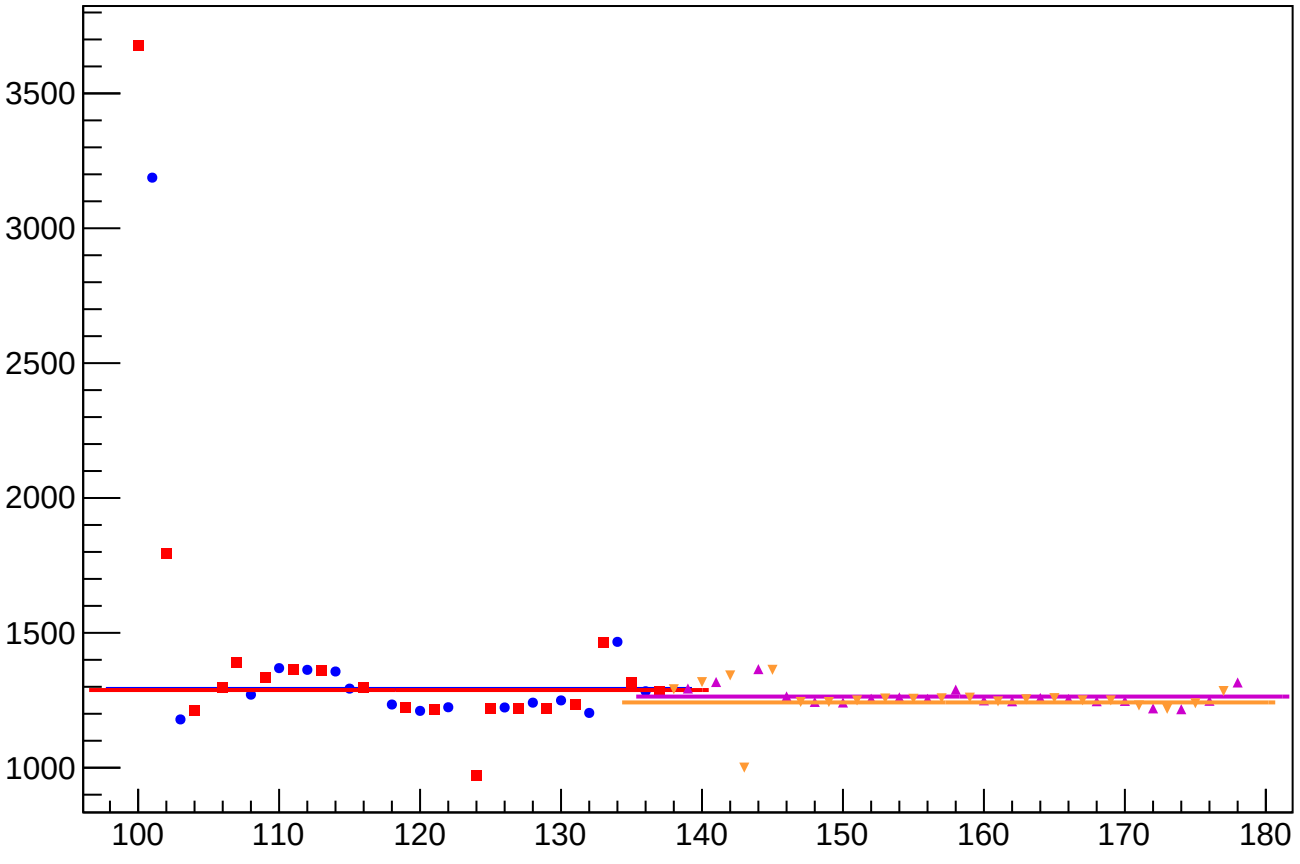
Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 293.517+/-0.048 χ^2/NDF:8940493.5/35

Out: 270.970+/-0.045 χ^2/NDF:11885175.0/39

All: 281.642+/-0.033 χ^2/NDF: 20942894.8/75


eigen_dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
180
Right In: -771.501+/-489.602 χ²/NDF: 13.6/15
Left Out: -313.386+/-304.686 χ²/NDF:27.8/20
Right Out: -311.419+/-482.642 χ²/NDF: 17.9/18
Left In: -288.853+/-312.718 χ²/NDF:23.4/19
Left: -301.438+/-218.230 χ²/NDF: 51.3/40
Right: -538.167+/-343.714 χ²/NDF: 32.0/34
In: -428.702+/-263.547 χ²/NDF:37.7/35
Out: -312.826+/-257.642 χ²/NDF:45.8/39
All: -369.451+/-184.233 χ²/NDF: 83.6/75



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: 1263.779+/-0.221 χ^2/NDF:24257.4/19

Left: 1252.638+/-0.154 χ^2/NDF: 153968.3/40

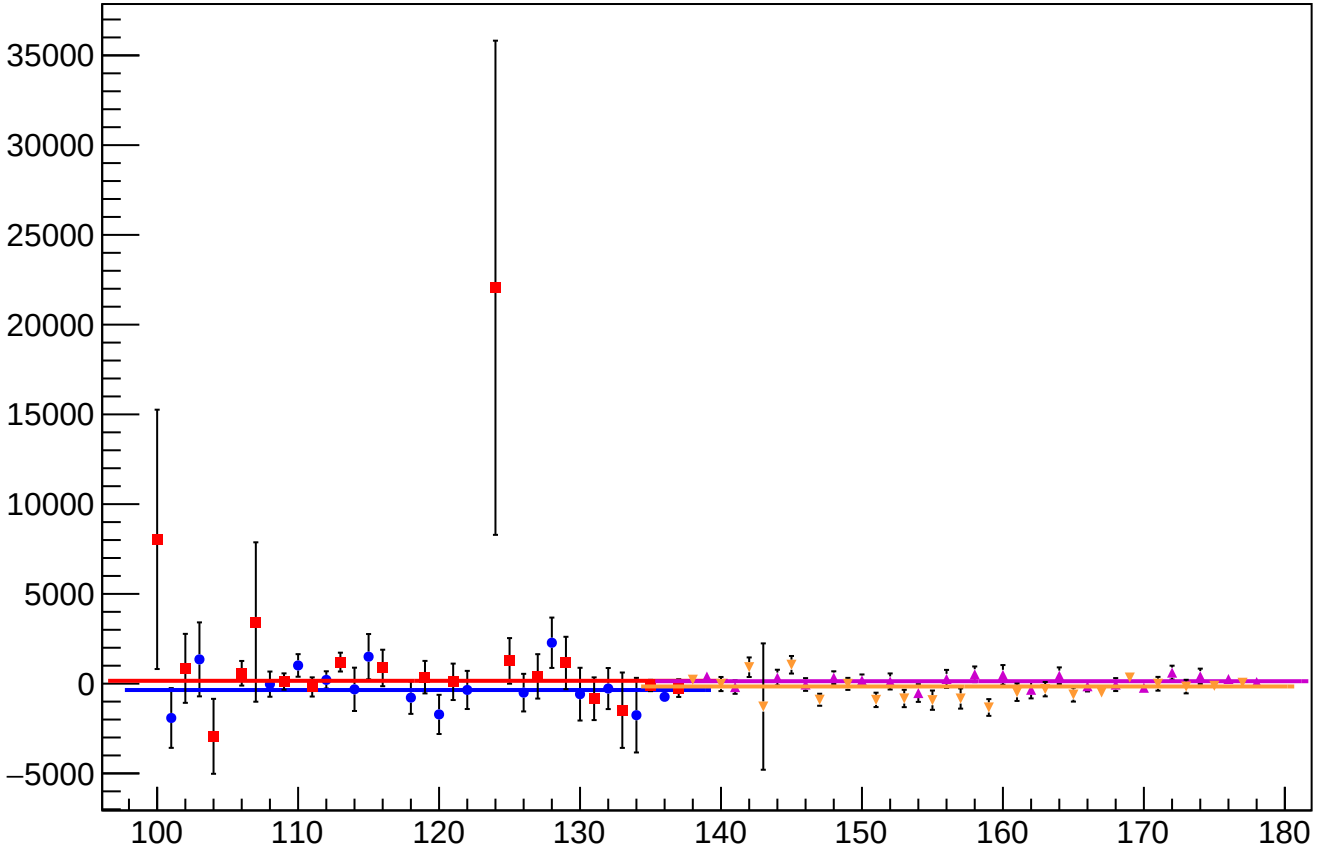
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1271.967+/-0.186 χ^2/NDF:538395.8/35

Out: 1255.150+/-0.182 χ^2/NDF:346920.7/39

All: 1263.368+/-0.130 χ^2/NDF: 889480.7/75

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -157.448+/-69.194 χ^2/NDF:41.5/20

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 135.586+/-73.662 χ^2/NDF:13.0/19

Left: -20.087+/-50.433 χ^2/NDF: 63.0/40

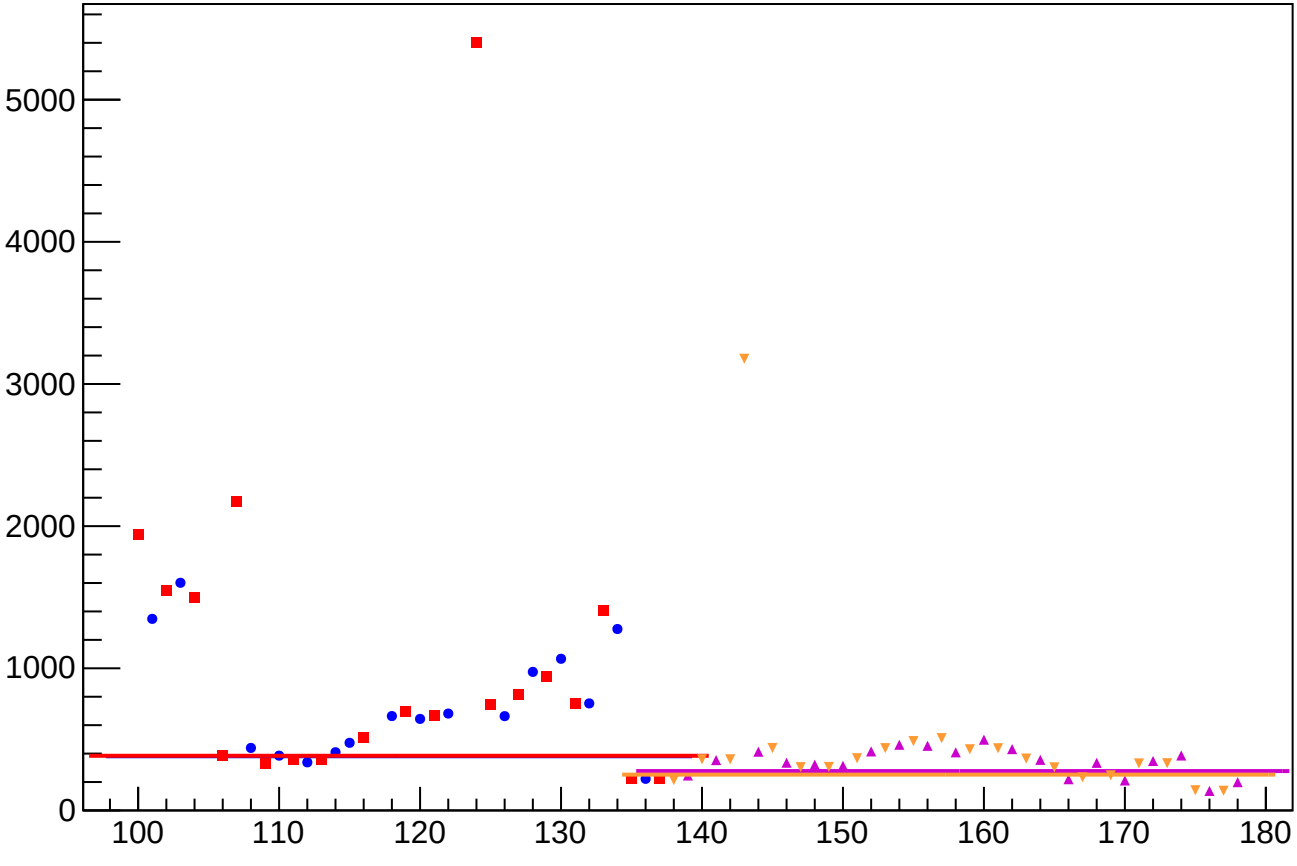
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: 57.981+/-67.588 χ^2/NDF:38.5/35

Out: -112.475+/-64.071 χ^2/NDF:60.3/39

All: -31.797+/-46.498 χ^2/NDF: 102.2/75

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: 277.021+/-0.052 χ^2/NDF:3988159.1/19

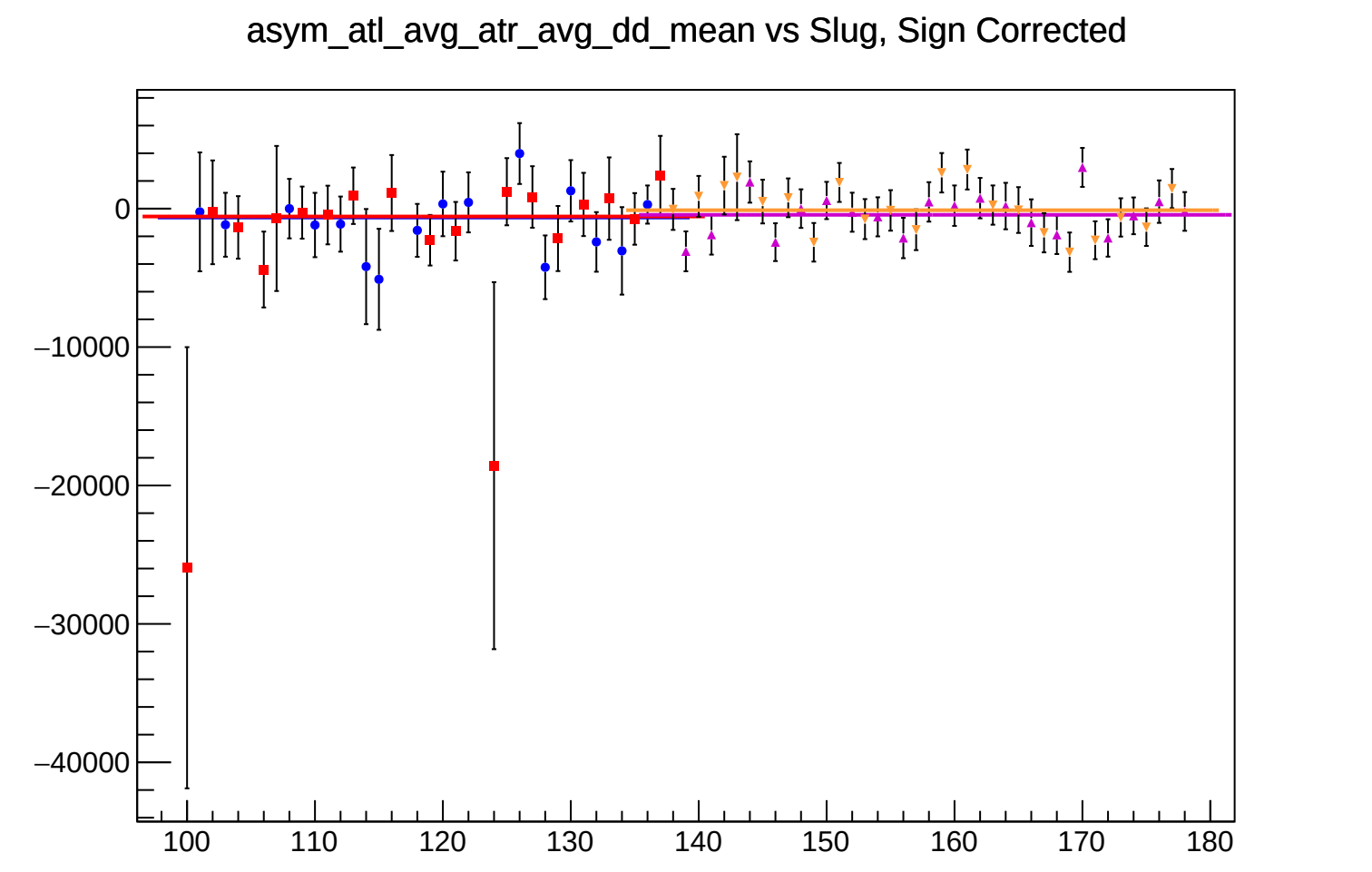
Left: 263.763+/-0.036 χ^2/NDF: 10387777.7/40

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 293.519+/-0.048 χ^2/NDF:8940354.1/35

Out: 270.973+/-0.045 χ^2/NDF:11885013.6/39

All: 281.644+/-0.033 χ^2/NDF: 20942588.3/75



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: -446.954+/-321.102 χ^2/NDF:21.5/19

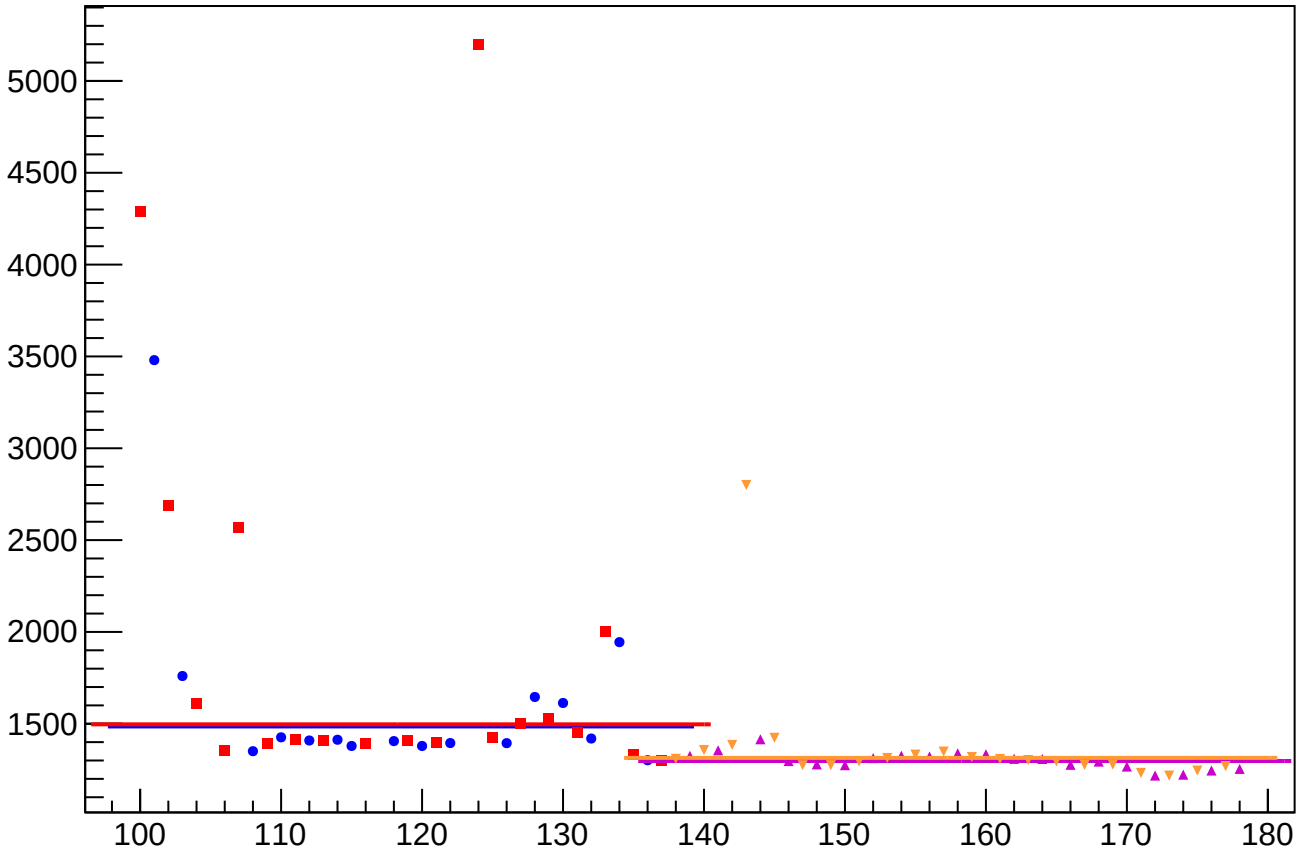
Left: -281.187+/-228.163 χ^2/NDF: 48.7/40

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -494.365+/-279.091 χ^2/NDF:34.1/35

Out: -224.373+/-281.455 χ^2/NDF:38.4/39

All: -360.508+/-198.178 χ^2/NDF: 73.0/75



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: 1297.339+/-0.227 χ^2/NDF:40935.2/19

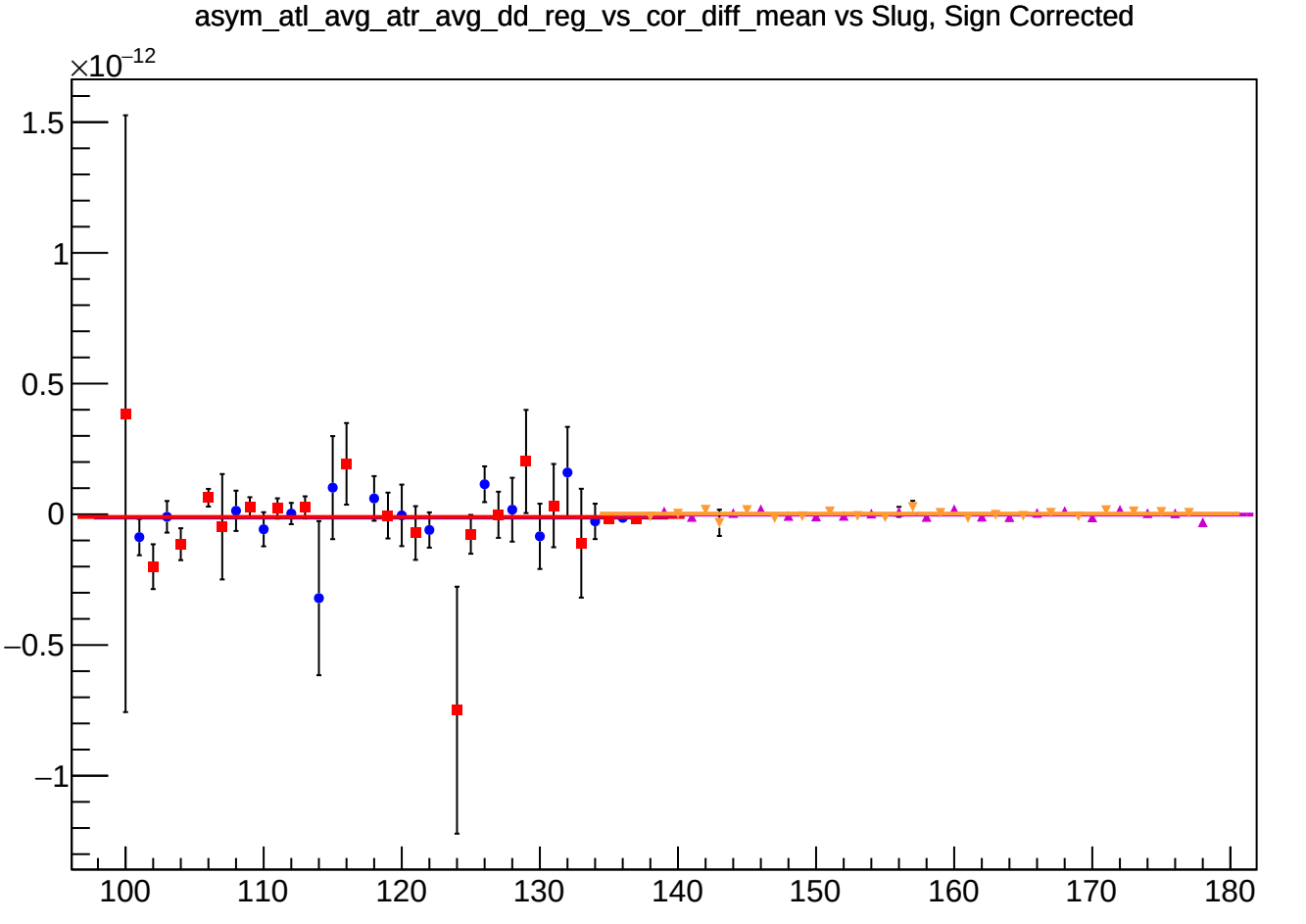
Left: 1305.709+/-0.161 χ^2/NDF: 548101.2/40

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1343.322+/-0.197 χ^2/NDF:793121.2/35

Out: 1359.279+/-0.199 χ^2/NDF:1284150.8/39

All: 1351.234+/-0.140 χ^2/NDF: 2080513.5/75



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:24.9/19

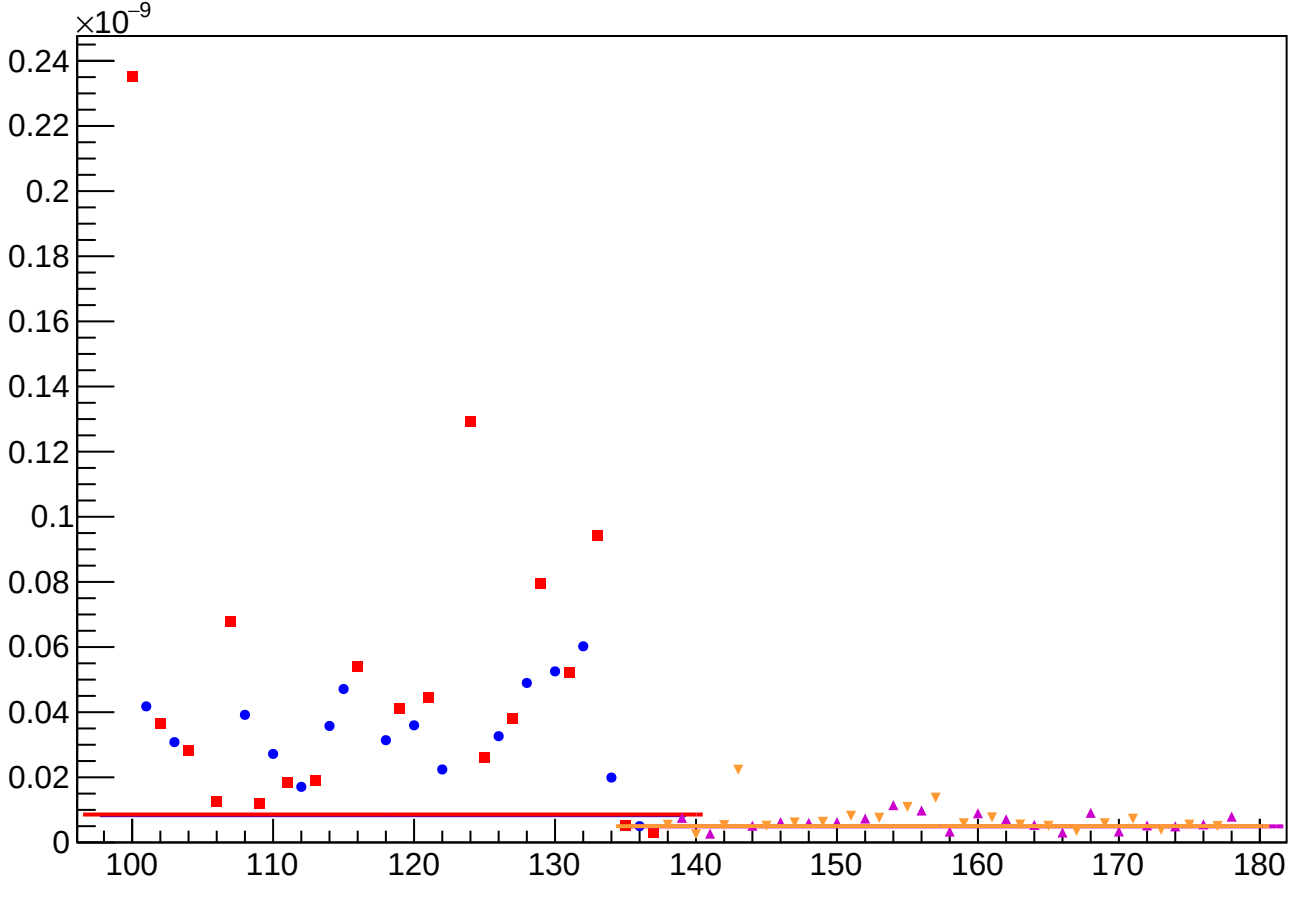
Left: 0.000+/-0.000 χ^2/NDF: 45.5/40

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:36.4/35

Out: 0.000+/-0.000 χ^2/NDF:43.7/39

All: -0.000+/-0.000 χ^2/NDF: 82.0/75



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:1762003.5/19

Left: 0.000+/-0.000 χ^2/NDF: 3650538.3/40

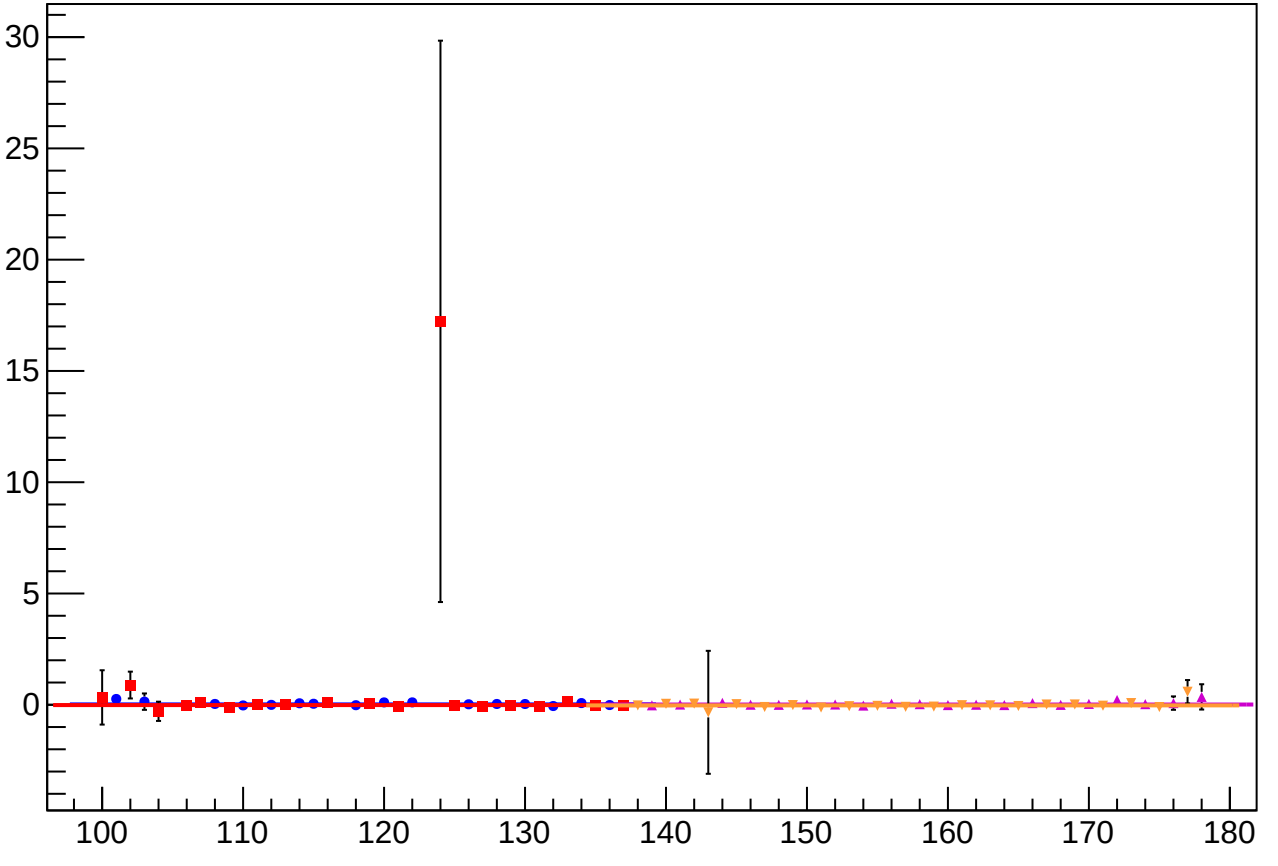
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:5217173.0/35

Out: 0.000+/-0.000 χ^2/NDF:5607238.1/39

All: 0.000+/-0.000 χ^2/NDF: 10824637.9/75

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: 0.012+/-0.010 χ^2/NDF:11.1/19

Left: -0.008+/-0.007 χ^2/NDF: 44.5/40

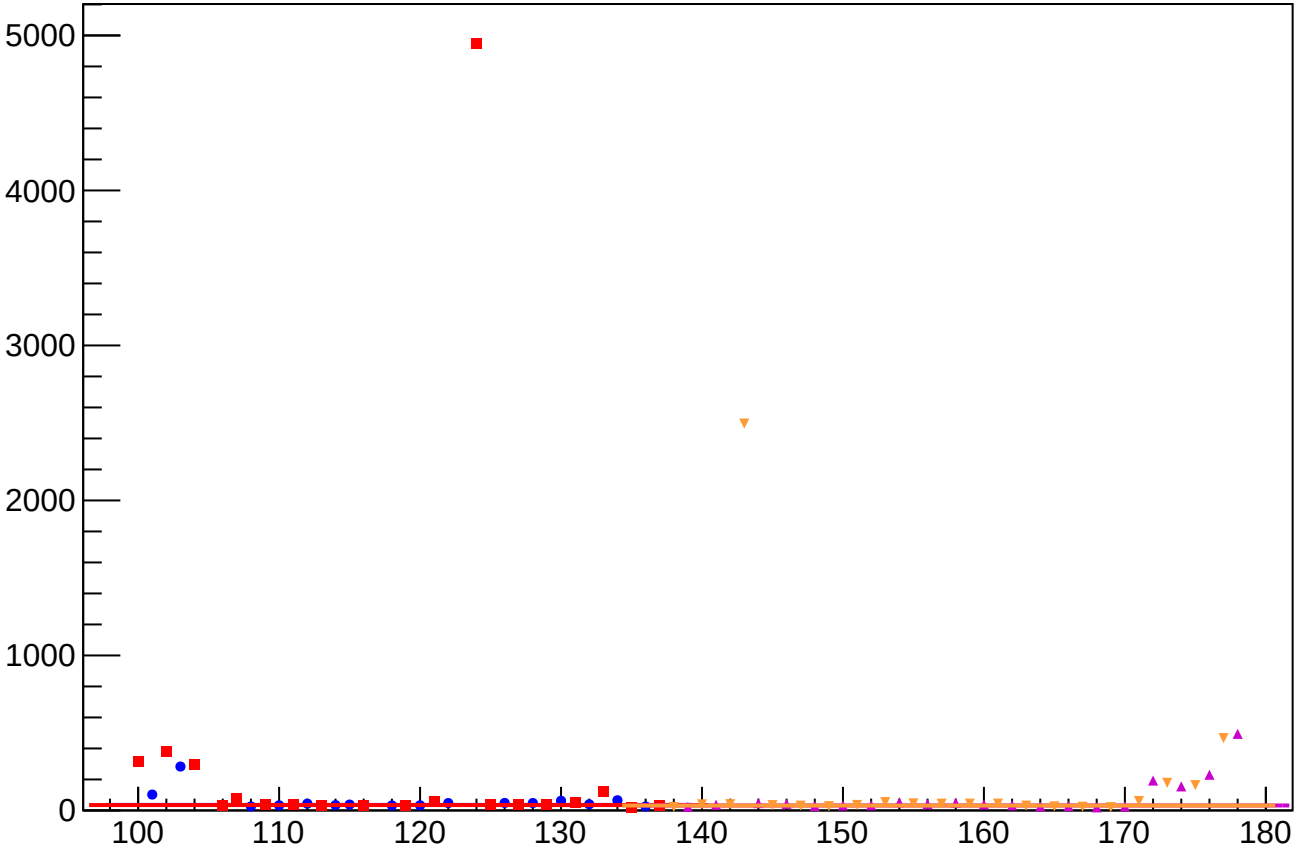
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.6/35

Out: -0.024+/-0.008 χ^2/NDF:41.8/39

All: -0.005+/-0.006 χ^2/NDF: 74.5/75

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: 32.159+/-0.007 χ^2/NDF:5951814.5/19

Left: 31.989+/-0.005 χ^2/NDF: 12638186.3/40

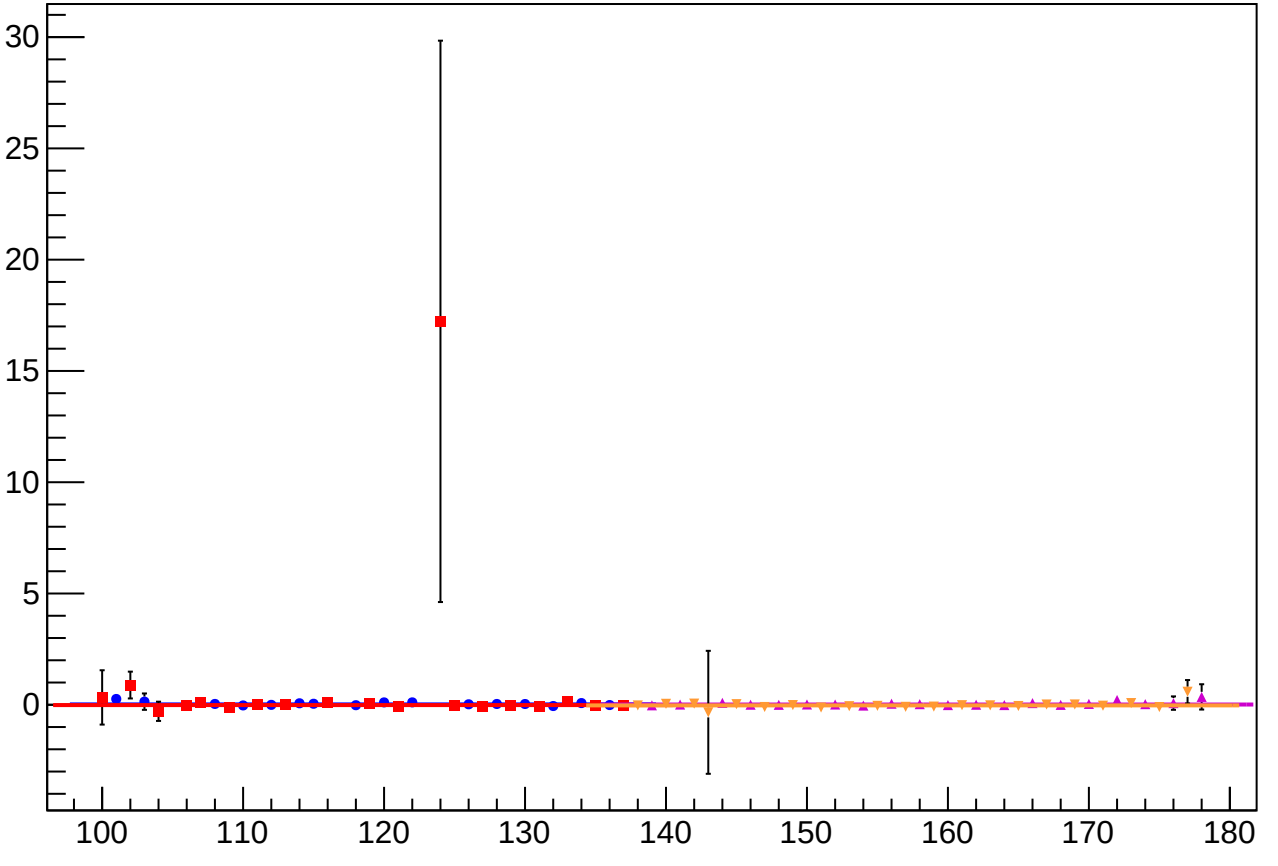
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 33.144+/-0.006 χ^2/NDF:8294628.1/35

Out: 32.627+/-0.006 χ^2/NDF:9652201.3/39

All: 32.887+/-0.004 χ^2/NDF: 17950888.4/75

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: 0.012+/-0.010 χ^2/NDF:11.1/19

Left: -0.008+/-0.007 χ^2/NDF: 44.5/40

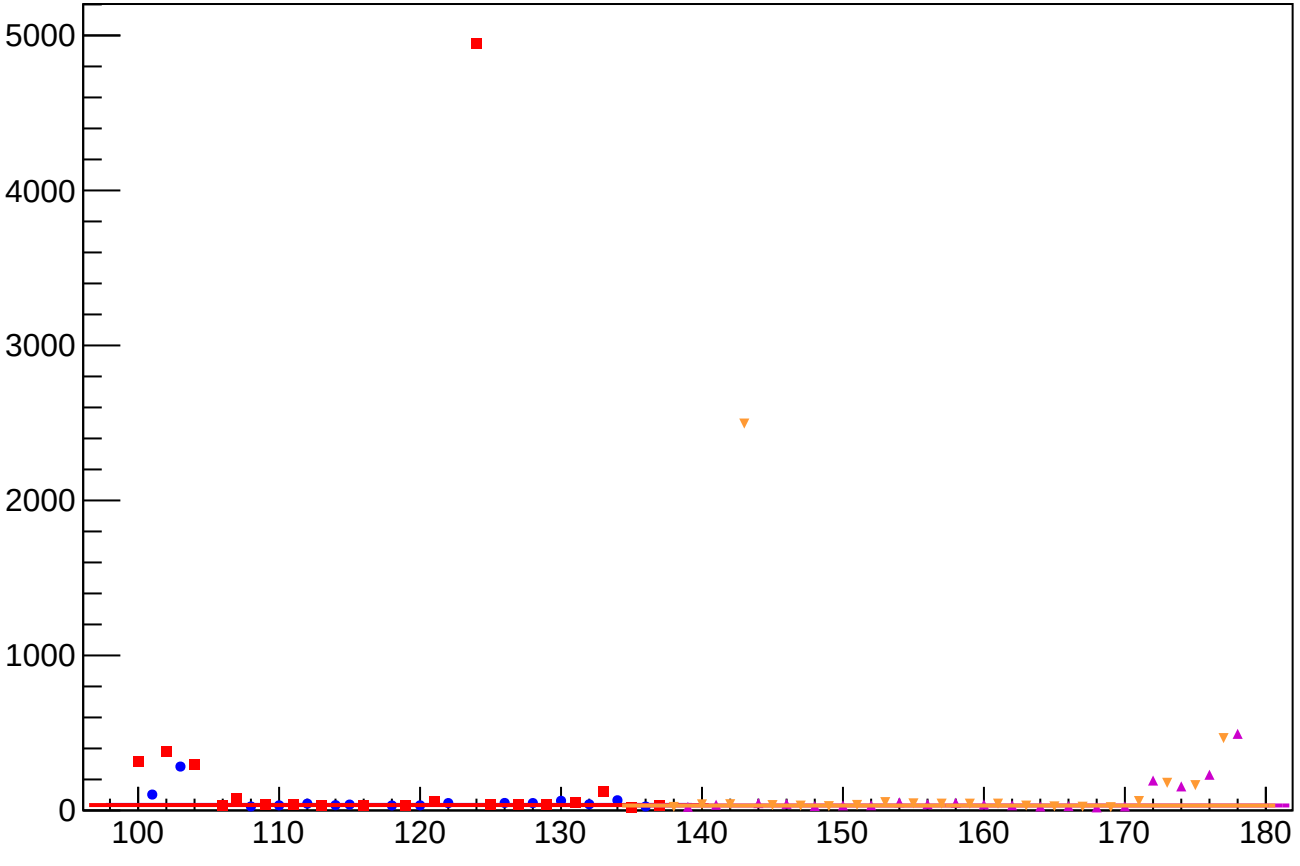
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.6/35

Out: -0.024+/-0.008 χ^2/NDF:41.8/39

All: -0.005+/-0.006 χ^2/NDF: 74.5/75

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: 32.159+/-0.007 χ^2/NDF:5951814.5/19

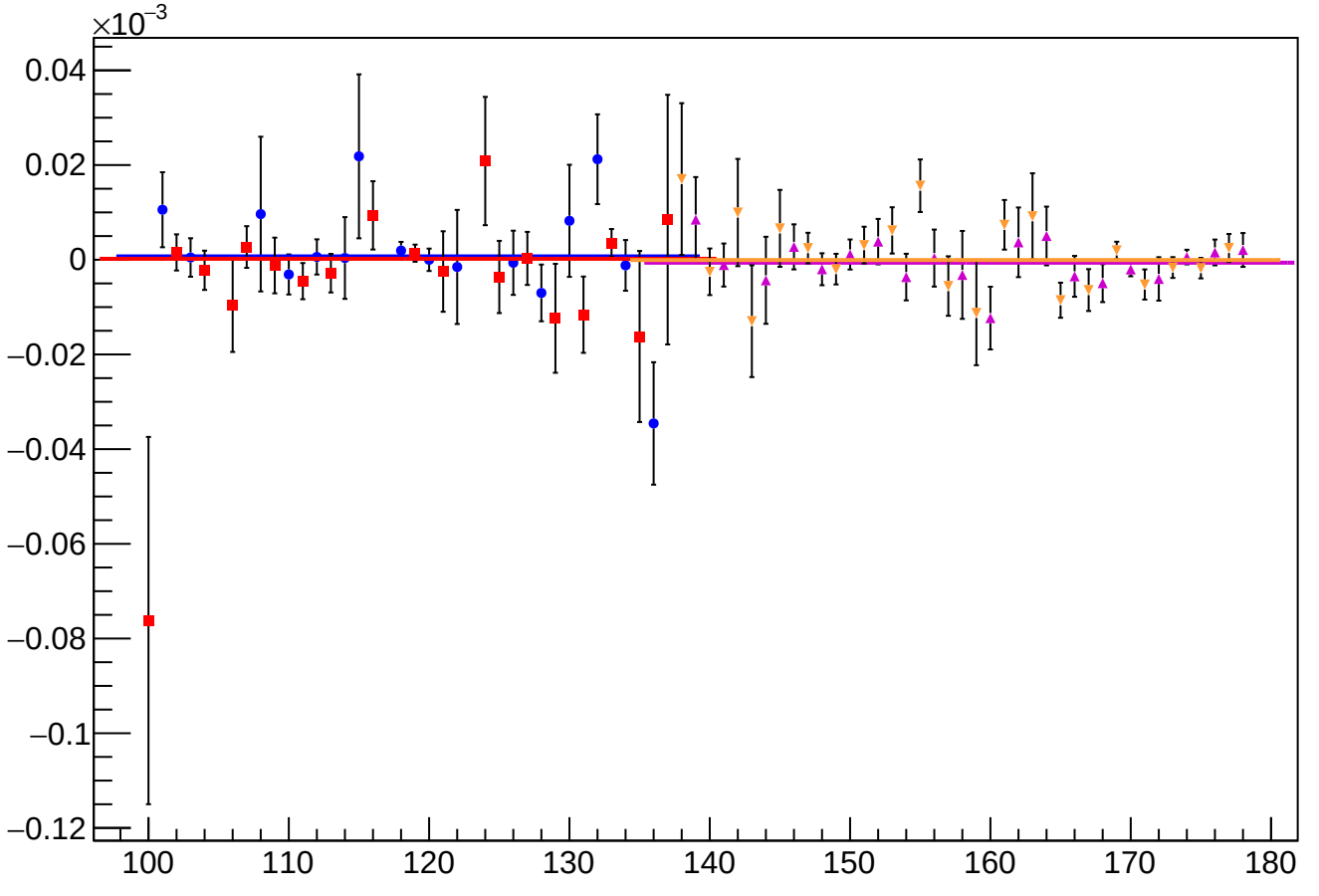
Left: 31.989+/-0.005 χ^2/NDF: 12638186.3/40

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 33.144+/-0.006 χ^2/NDF:8294628.1/35

Out: 32.627+/-0.006 χ^2/NDF:9652201.3/39

All: 32.887+/-0.004 χ^2/NDF: 17950888.4/75



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:12.7/19

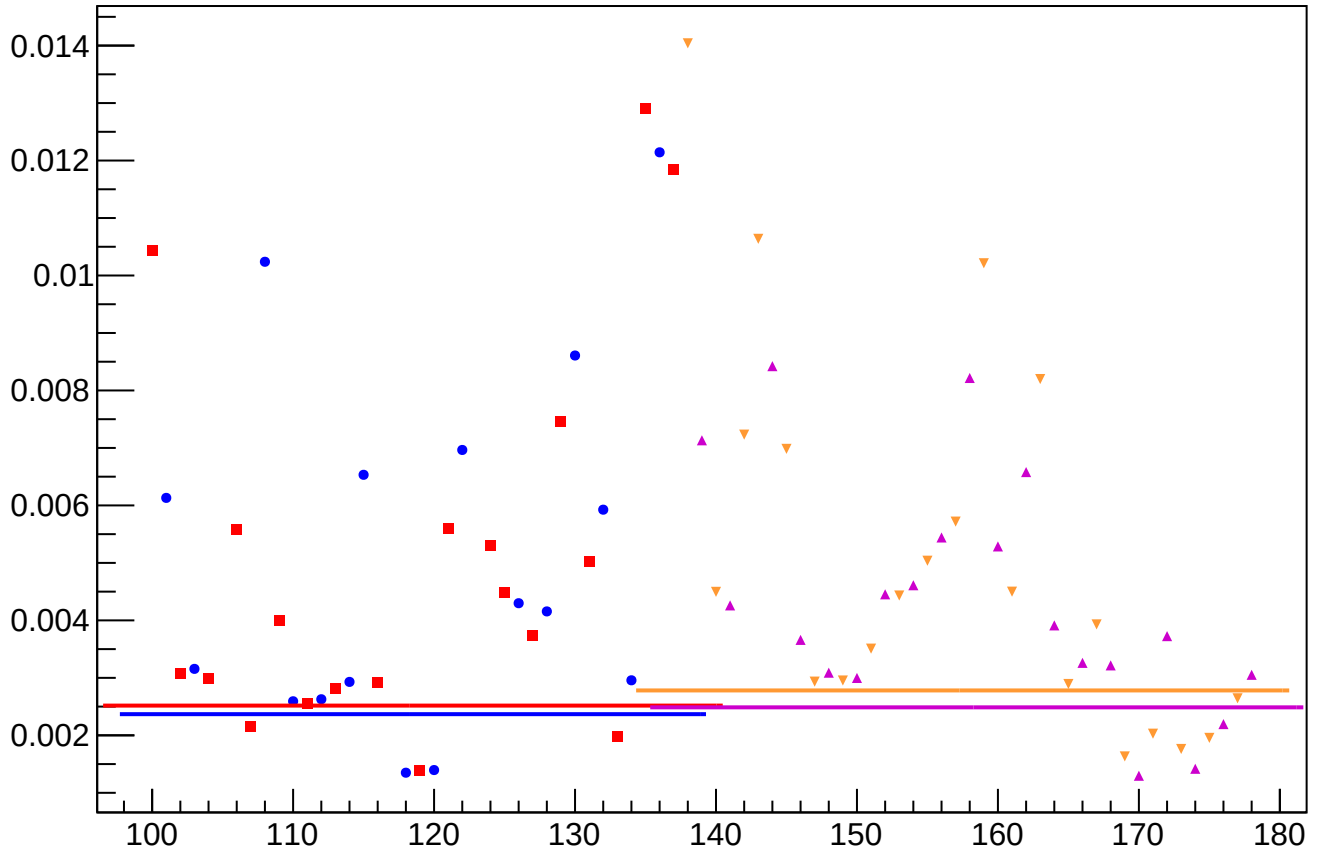
Left: -0.000+/-0.000 χ^2/NDF: 46.2/40

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:32.8/35

Out: 0.000+/-0.000 χ^2/NDF:51.4/39

All: -0.000+/-0.000 χ^2/NDF: 84.3/75



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:7615566.6/19

Left: 0.003+/-0.000 χ^2/NDF: 15391619.5/40

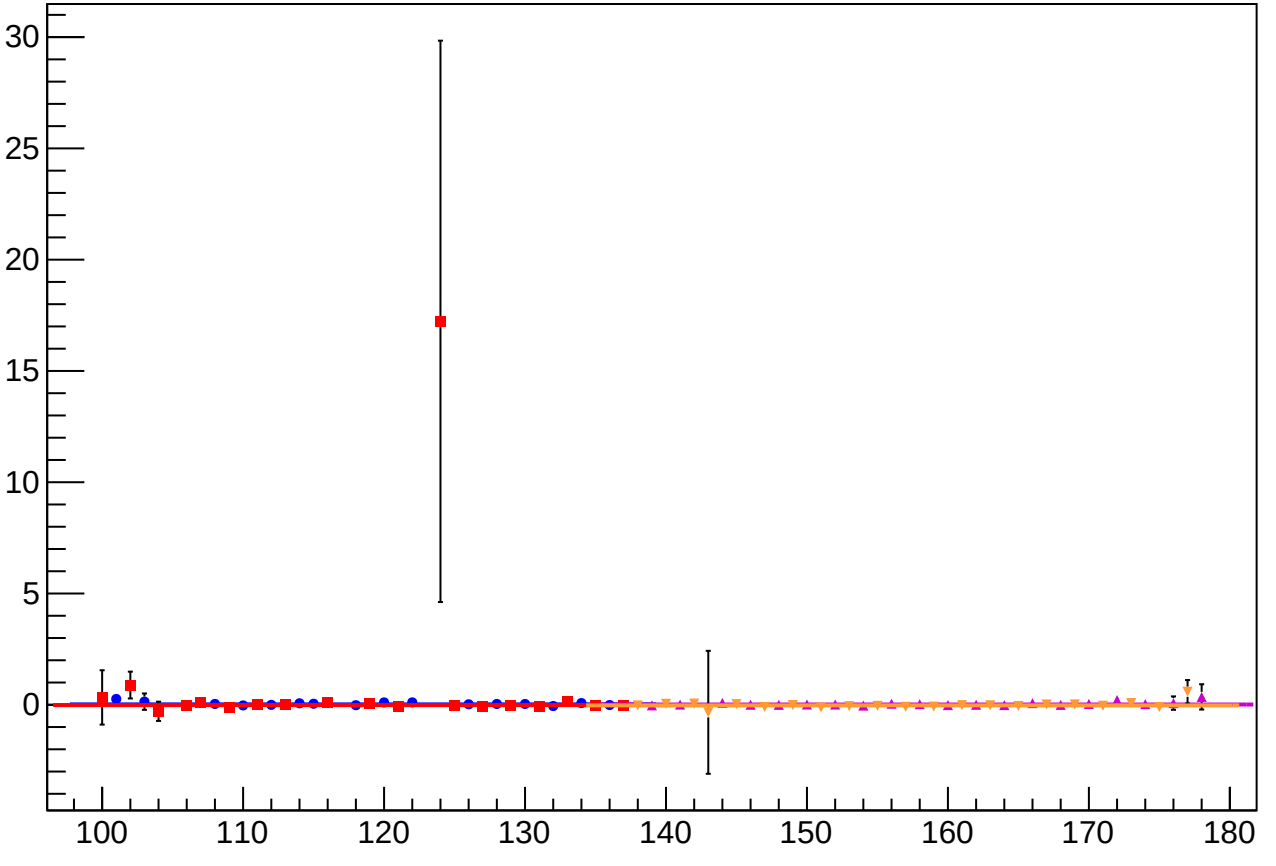
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.002+/-0.000 χ^2/NDF:12352907.7/35

Out: 0.003+/-0.000 χ^2/NDF:11108686.5/39

All: 0.003+/-0.000 χ^2/NDF: 23601130.4/75

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: 0.012+/-0.010 χ^2/NDF:11.1/19

Left: -0.008+/-0.007 χ^2/NDF: 44.5/40

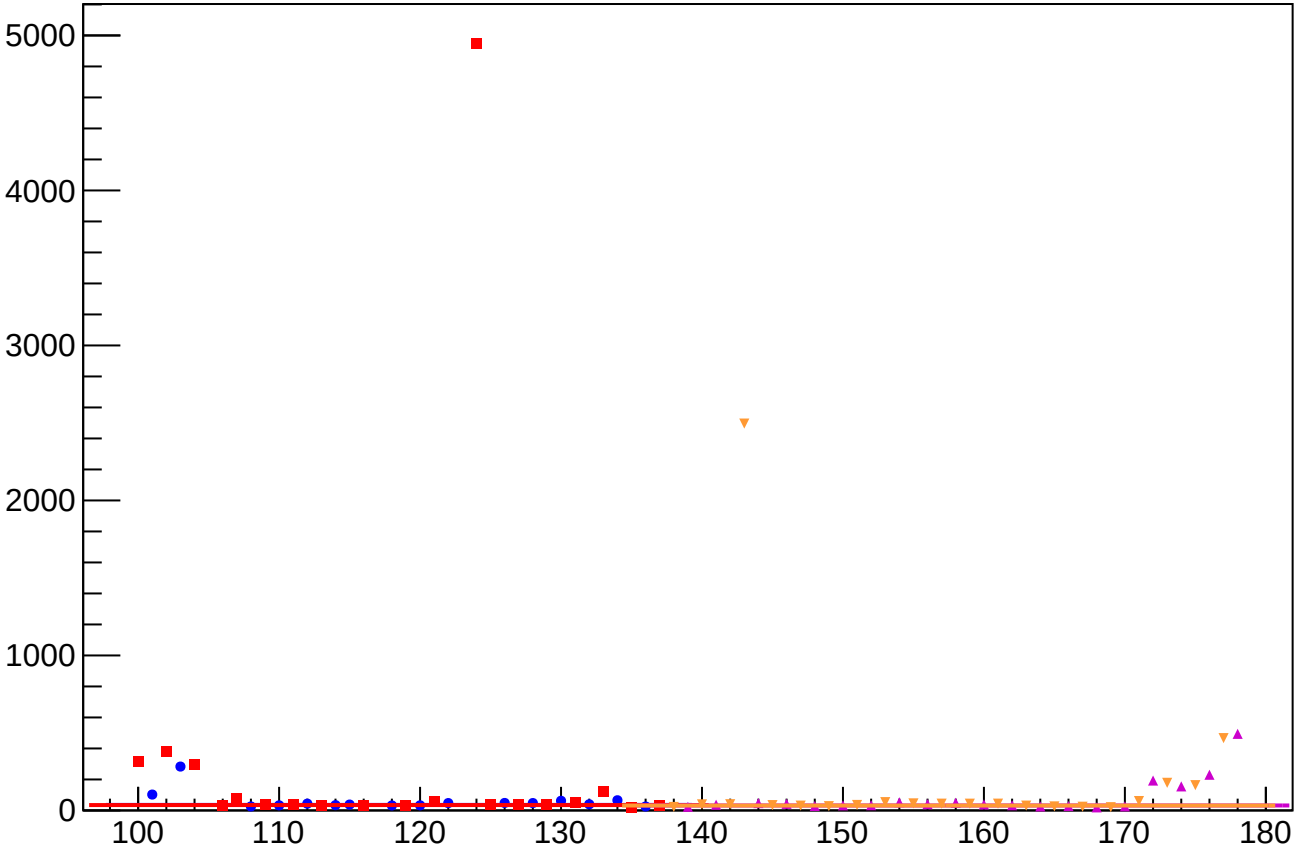
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.6/35

Out: -0.024+/-0.008 χ^2/NDF:41.8/39

All: -0.005+/-0.006 χ^2/NDF: 74.5/75

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: 32.157+/-0.007 χ^2/NDF:5952417.1/19

Left: 31.988+/-0.005 χ^2/NDF: 12639036.8/40

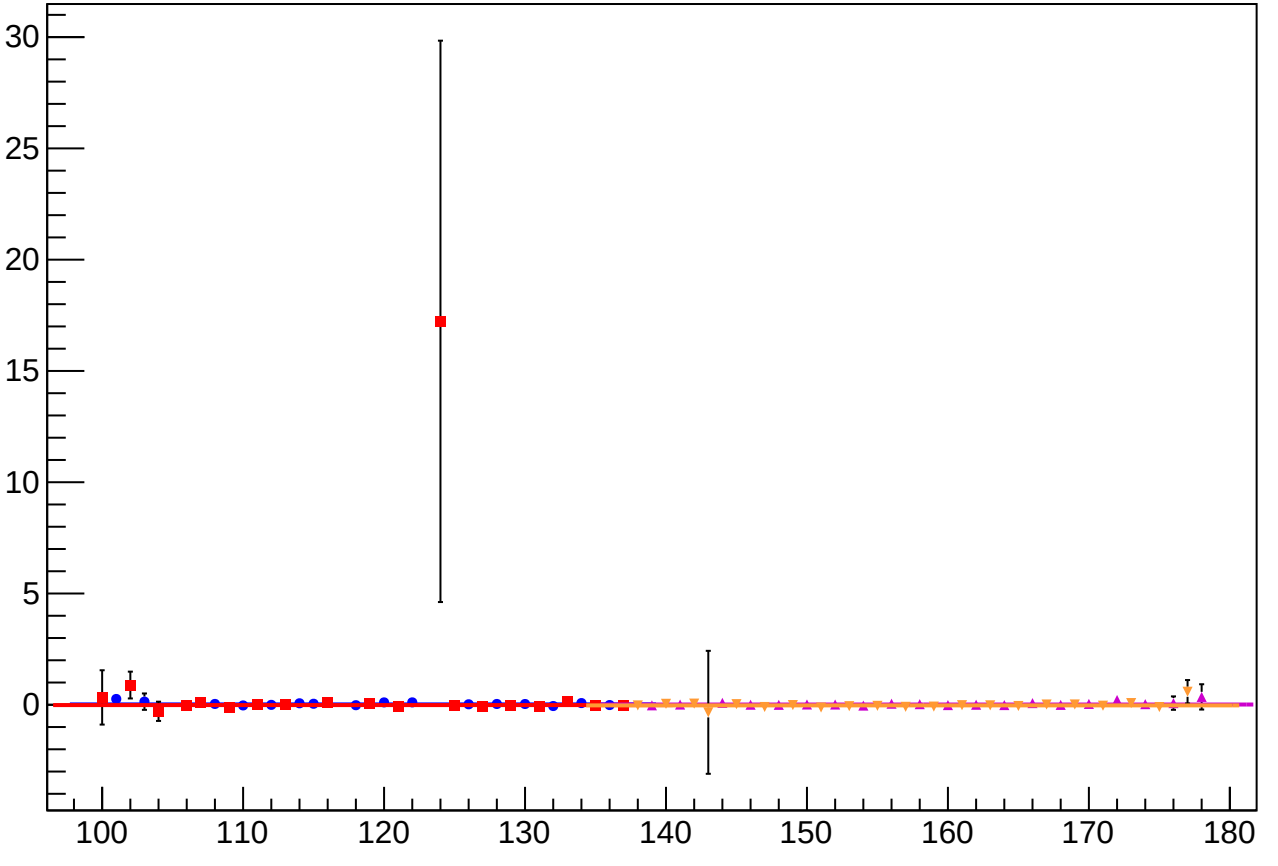
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 33.143+/-0.006 χ^2/NDF:8295074.5/35

Out: 32.627+/-0.006 χ^2/NDF:9652322.1/39

All: 32.886+/-0.004 χ^2/NDF: 17951445.0/75

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: 0.012+/-0.010 χ^2/NDF:11.1/19

Left: -0.008+/-0.007 χ^2/NDF: 44.5/40

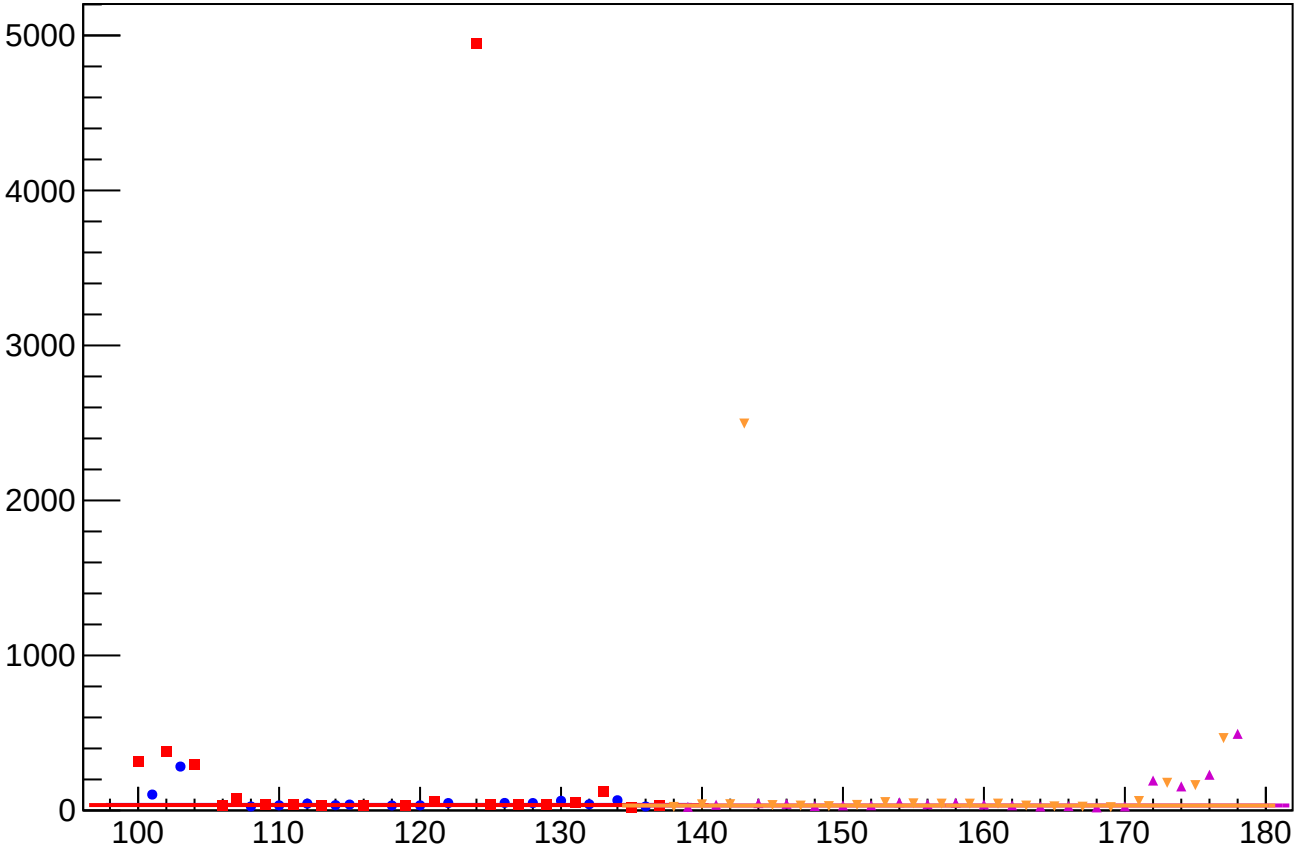
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.6/35

Out: -0.024+/-0.008 χ^2/NDF:41.8/39

All: -0.005+/-0.006 χ^2/NDF: 74.5/75

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: 32.157+/-0.007 χ^2/NDF:5952417.1/19

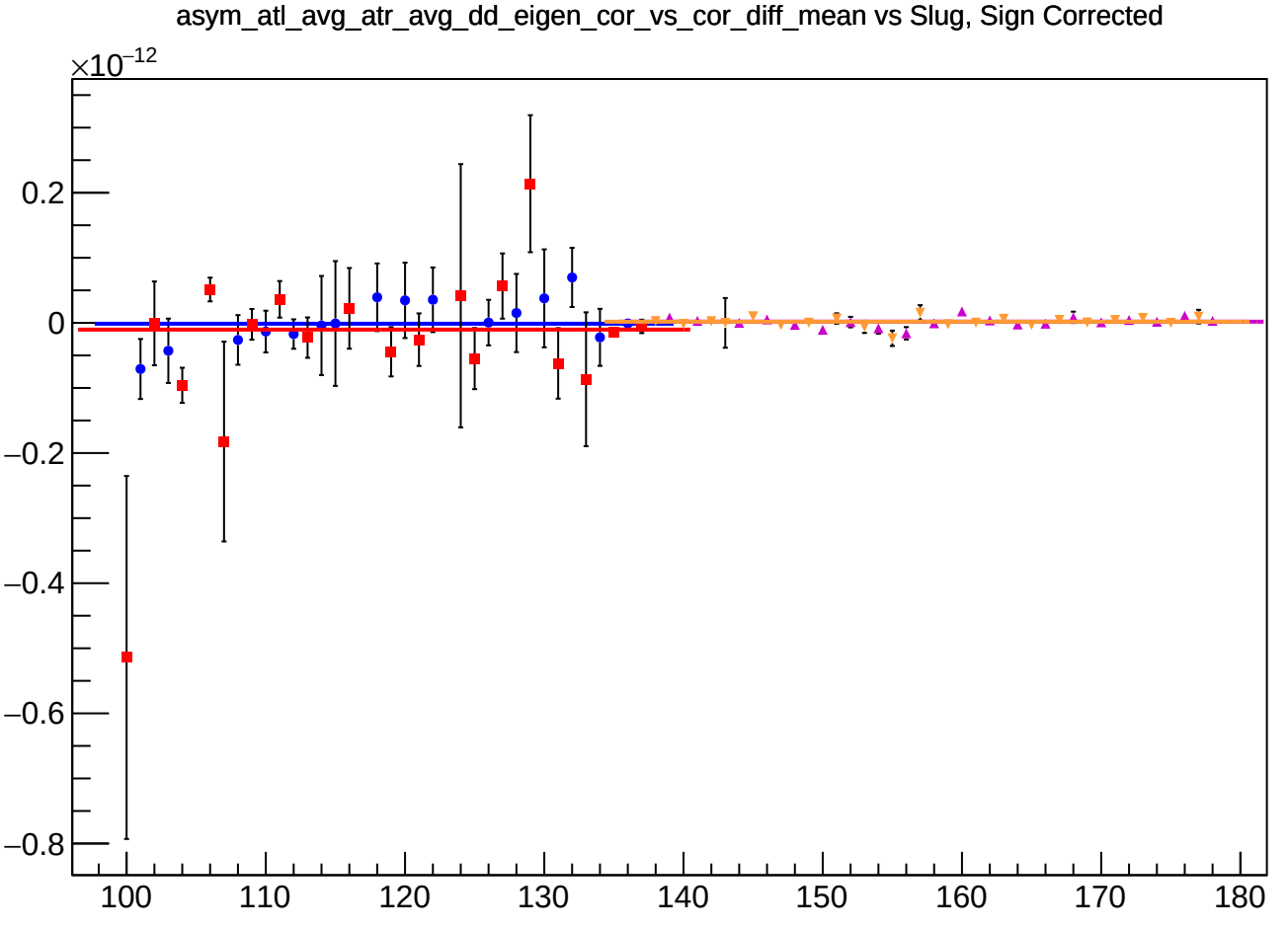
Left: 31.988+/-0.005 χ^2/NDF: 12639036.8/40

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 33.143+/-0.006 χ^2/NDF:8295074.5/35

Out: 32.627+/-0.006 χ^2/NDF:9652322.1/39

All: 32.886+/-0.004 χ^2/NDF: 17951445.0/75



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:23.0/19

Left: 0.000+/-0.000 χ^2/NDF: 38.4/40

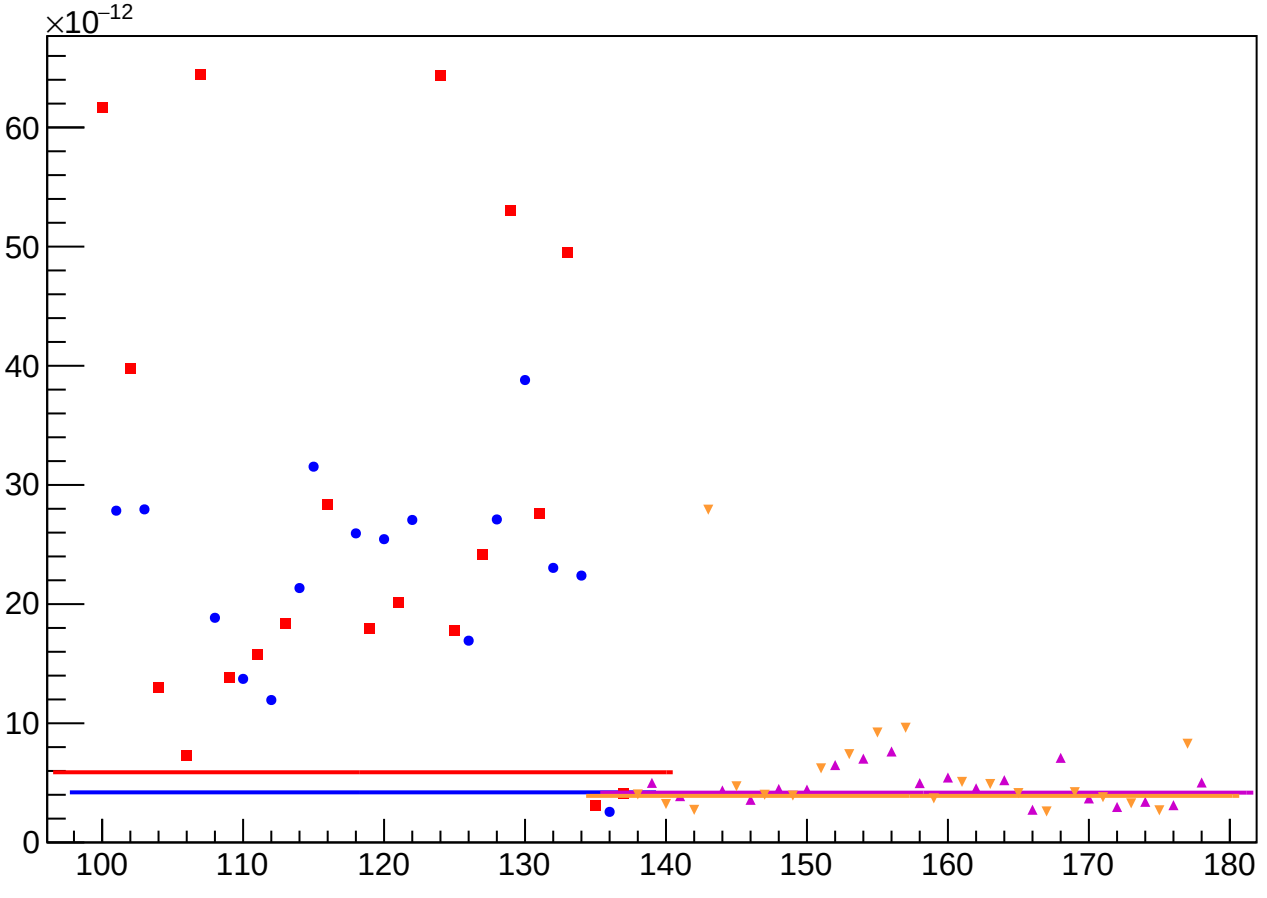
Right: -0.000+/-0.000 χ^2/NDF: 51.3/34

In: 0.000+/-0.000 χ^2/NDF:32.3/35

Out: 0.000+/-0.000 χ^2/NDF:63.1/39

All: 0.000+/-0.000 χ^2/NDF: 95.6/75

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:3282441.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1691644.8/19

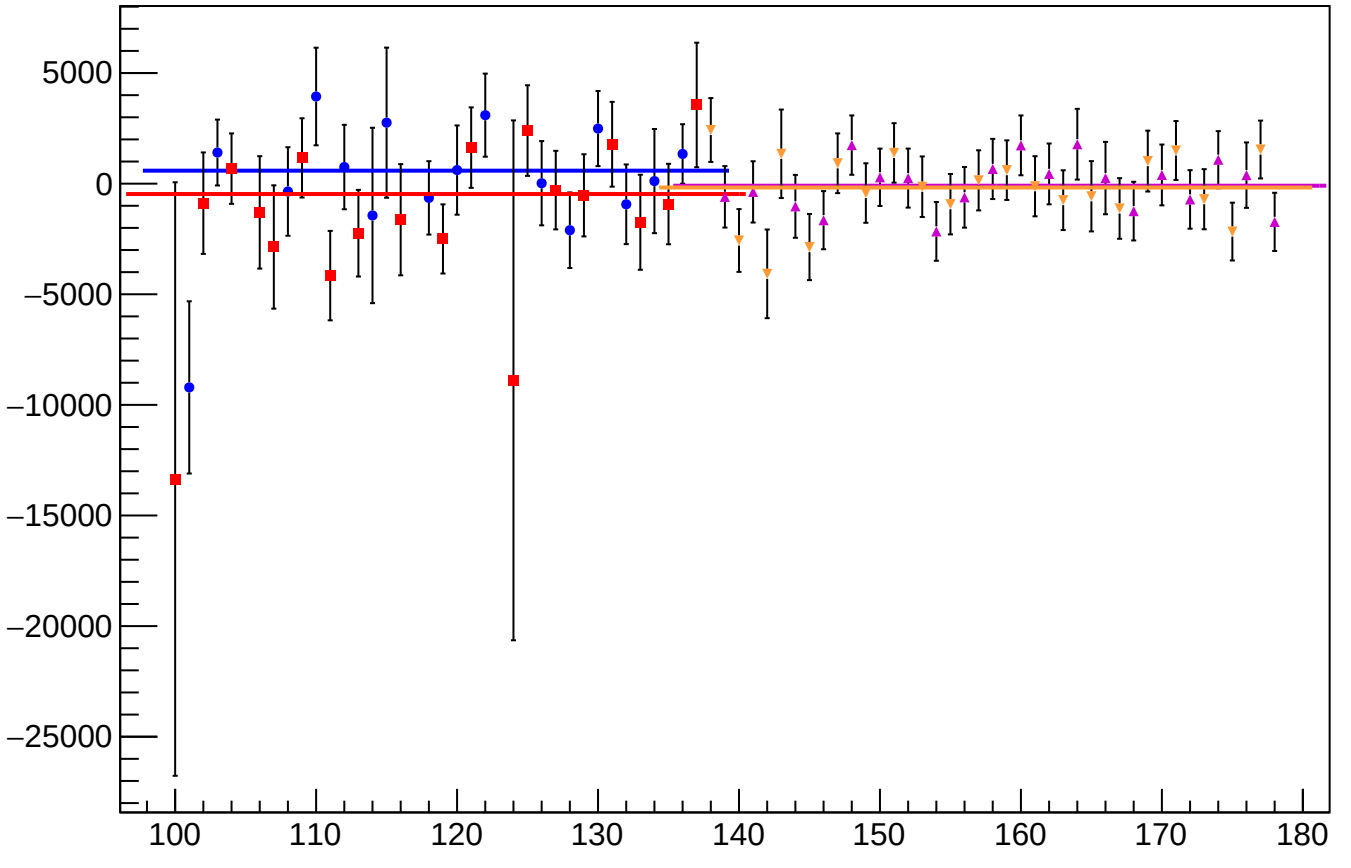
Left: 0.000+/-0.000 χ^2/NDF: 5020052.2/40

Right: 0.000+/-0.000 χ^2/NDF: 10135954.8/34

In: 0.000+/-0.000 χ^2/NDF:6771960.1/35

Out: 0.000+/-0.000 χ^2/NDF:8556363.5/39

All: 0.000+/-0.000 χ^2/NDF: 15337048.6/75



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: -92.918+/-307.018 χ^2/NDF:13.9/19

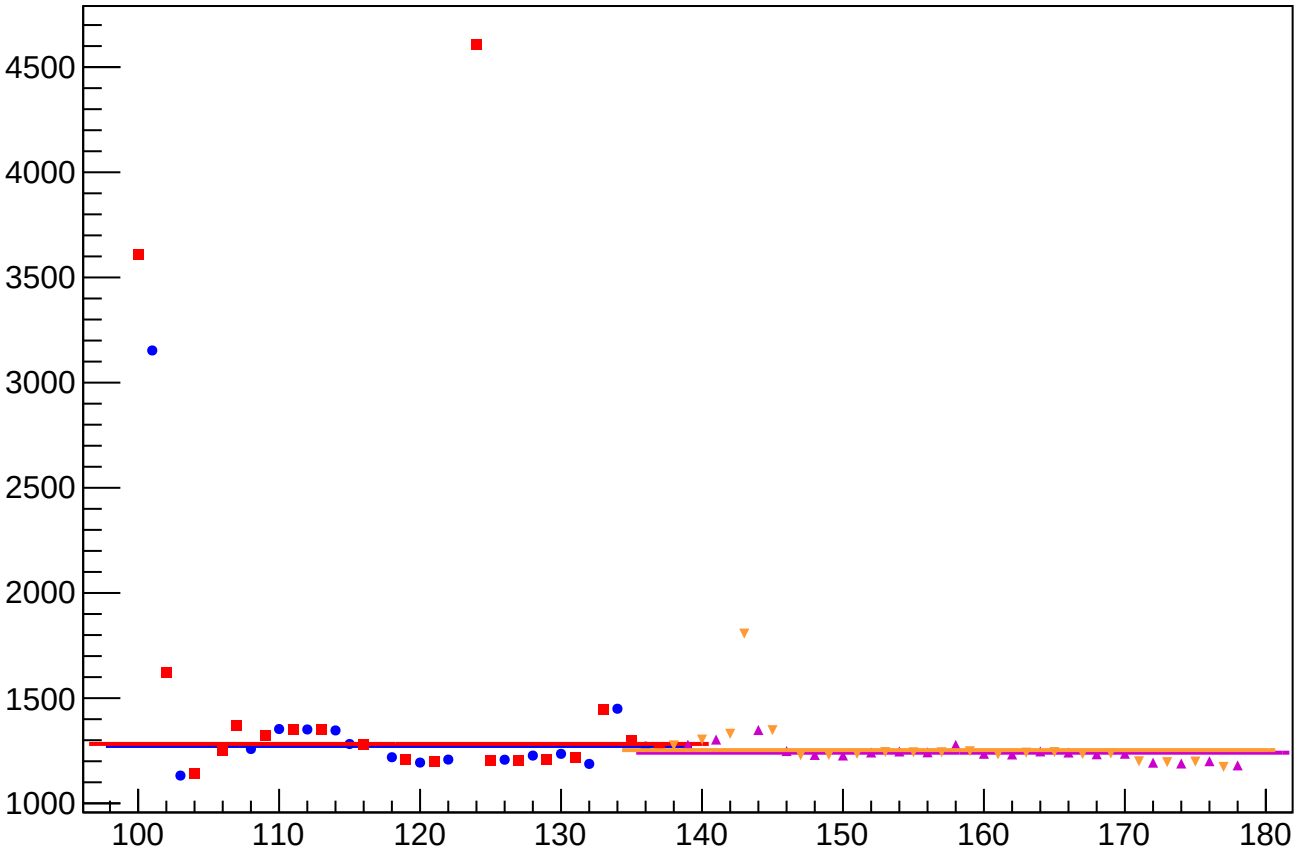
Left: -133.540+/-217.317 χ^2/NDF: 37.6/40

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 103.053+/-259.016 χ^2/NDF:32.4/35

Out: -260.004+/-259.094 χ^2/NDF:40.8/39

All: -78.421+/-183.180 χ^2/NDF: 74.2/75



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: 1240.677+/-0.217 χ^2/NDF:30617.4/19

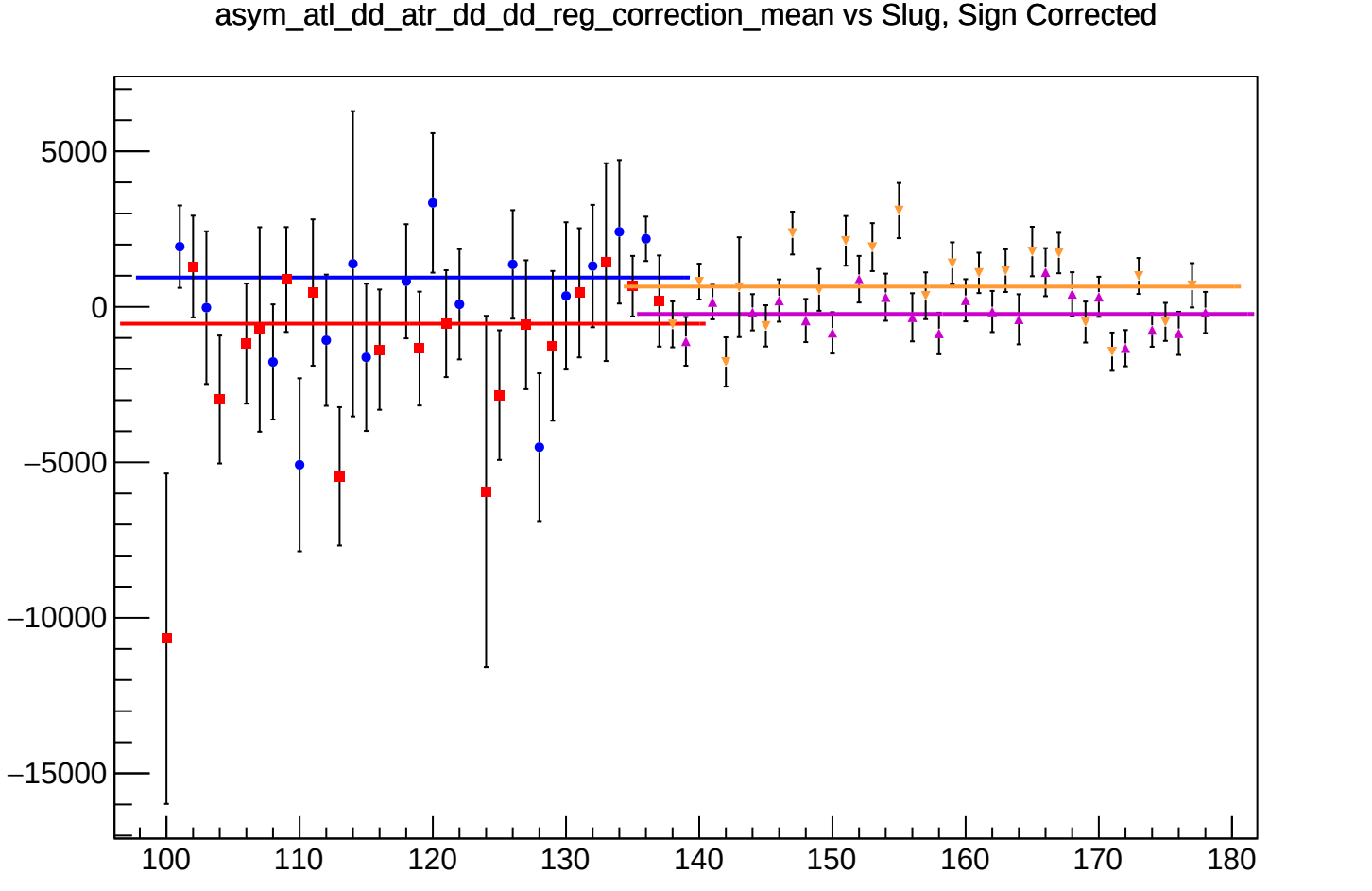
Left: 1246.817+/-0.154 χ^2/NDF: 220614.6/40

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1249.938+/-0.183 χ^2/NDF:556228.4/35

Out: 1261.525+/-0.183 χ^2/NDF:515776.4/39

All: 1255.730+/-0.130 χ^2/NDF: 1074005.6/75



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: -228.064+/-149.657 χ^2/NDF:17.1/19

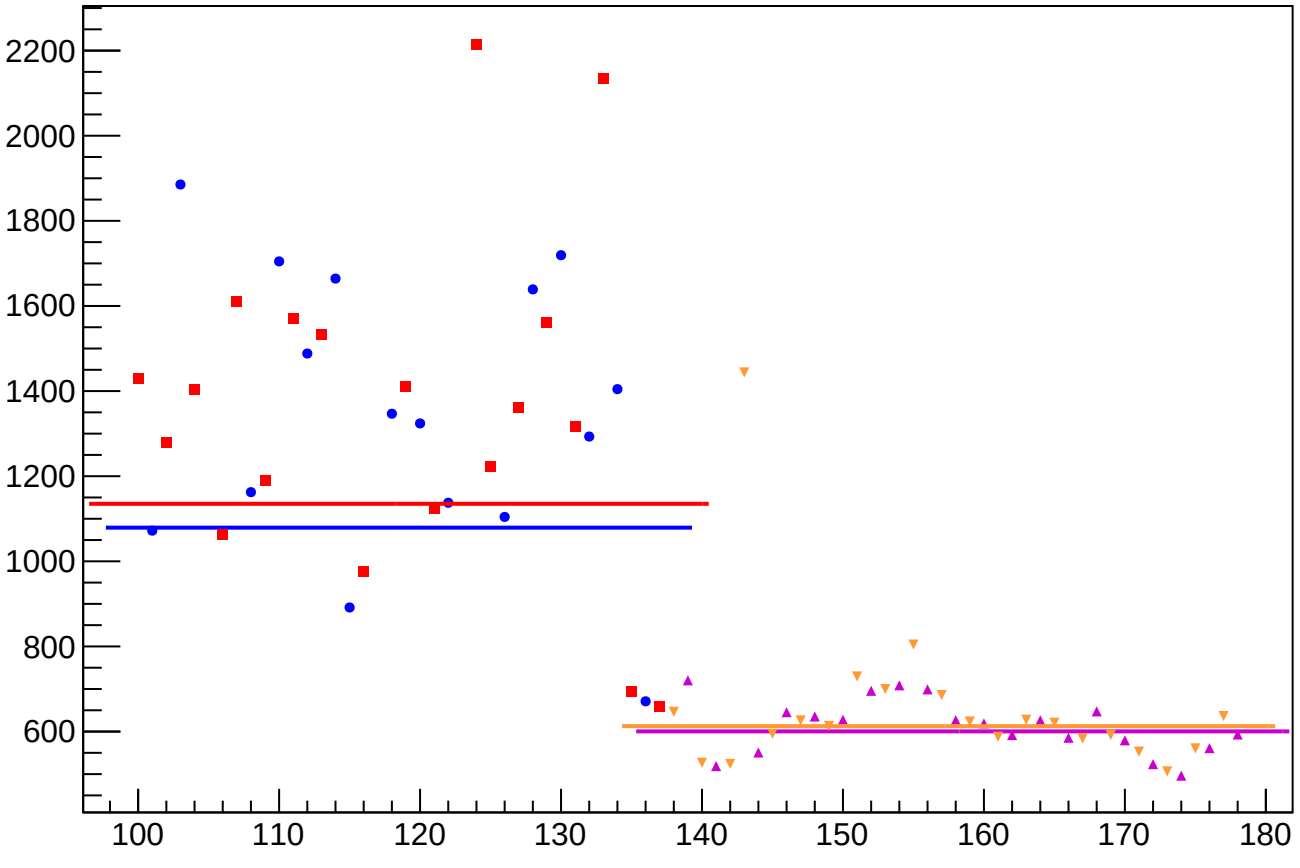
Left: 202.831+/-106.833 χ^2/NDF: 95.2/40

Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: -99.461+/-141.192 χ^2/NDF:43.7/35

Out: 522.691+/-144.133 χ^2/NDF:84.9/39

All: 205.202+/-100.861 χ^2/NDF: 138.2/75



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: 600.408+/-0.106 χ^2/NDF:362658.3/19

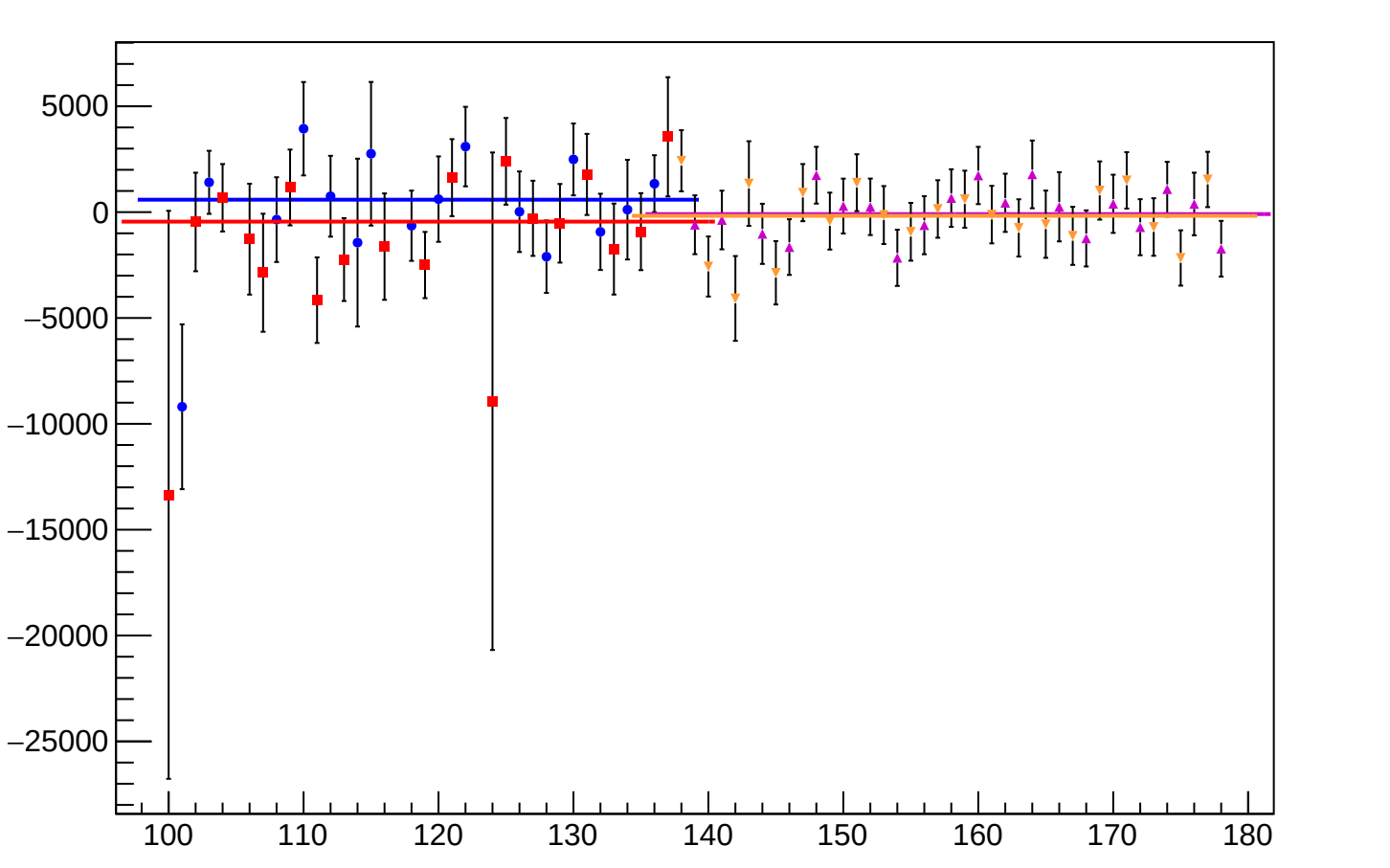
Left: 606.435+/-0.076 χ^2/NDF: 1277348.8/40

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 653.035+/-0.100 χ^2/NDF:4094535.5/35

Out: 668.786+/-0.102 χ^2/NDF:4719429.8/39

All: 660.748+/-0.071 χ^2/NDF: 8826154.1/75



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: -92.963+/-307.018 χ^2/NDF:13.9/19

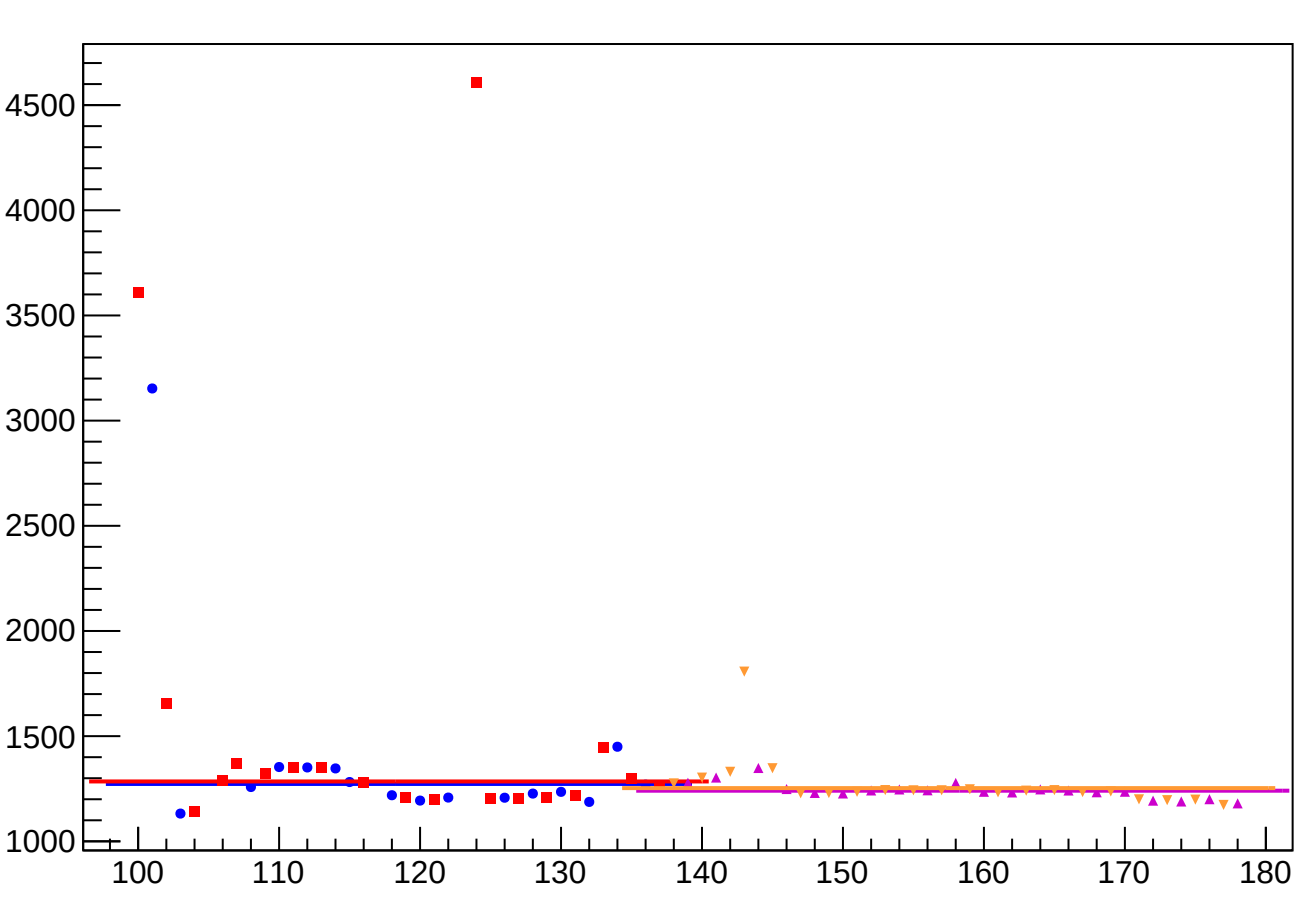
Left: -133.586+/-217.317 χ^2/NDF: 37.6/40

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 103.113+/-259.016 χ^2/NDF:32.3/35

Out: -253.856+/-259.222 χ^2/NDF:40.8/39

All: -75.229+/-183.225 χ^2/NDF: 74.0/75



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: 1240.677+/-0.217 χ^2/NDF:30617.4/19

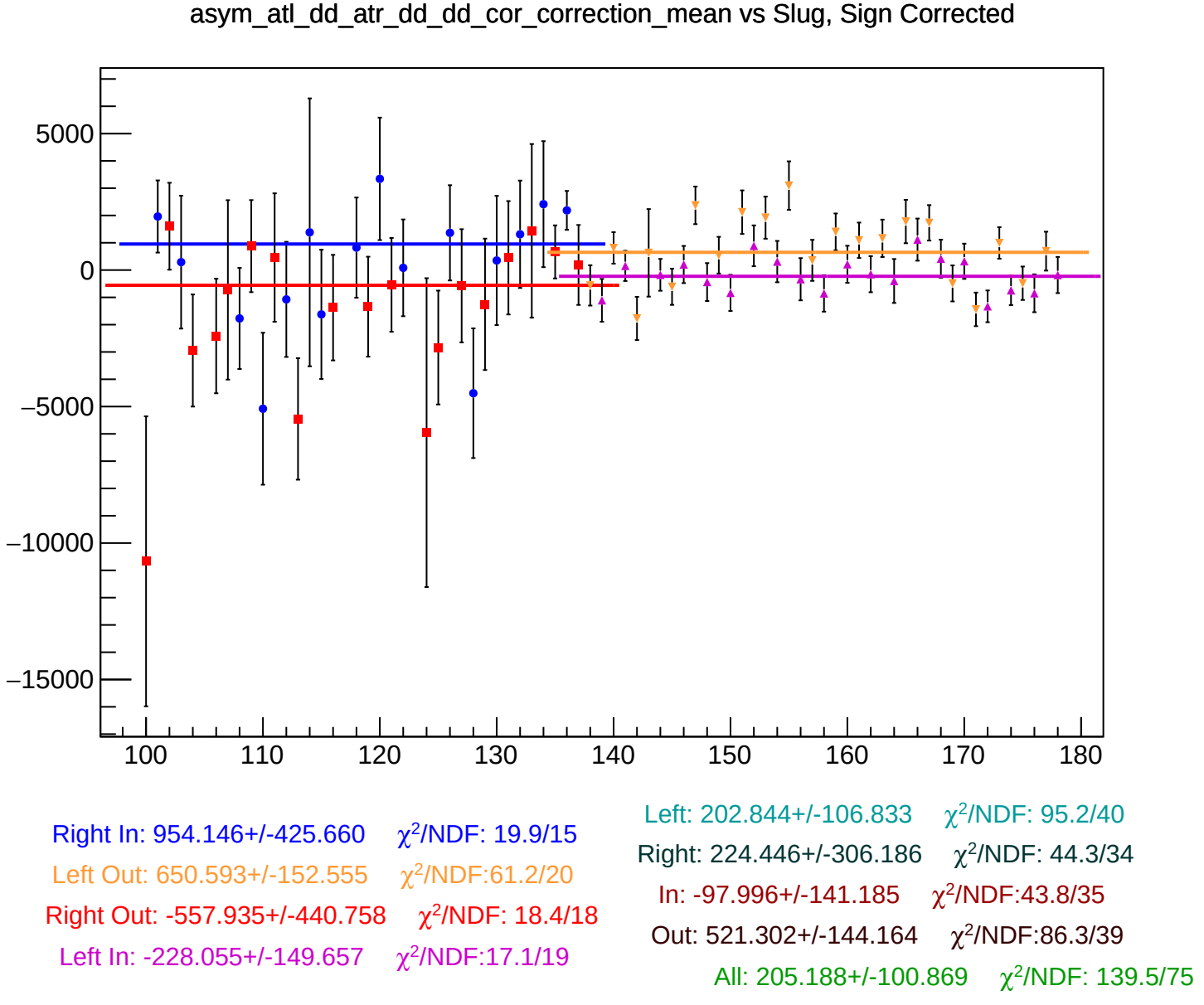
Left: 1246.817+/-0.154 χ^2/NDF: 220614.6/40

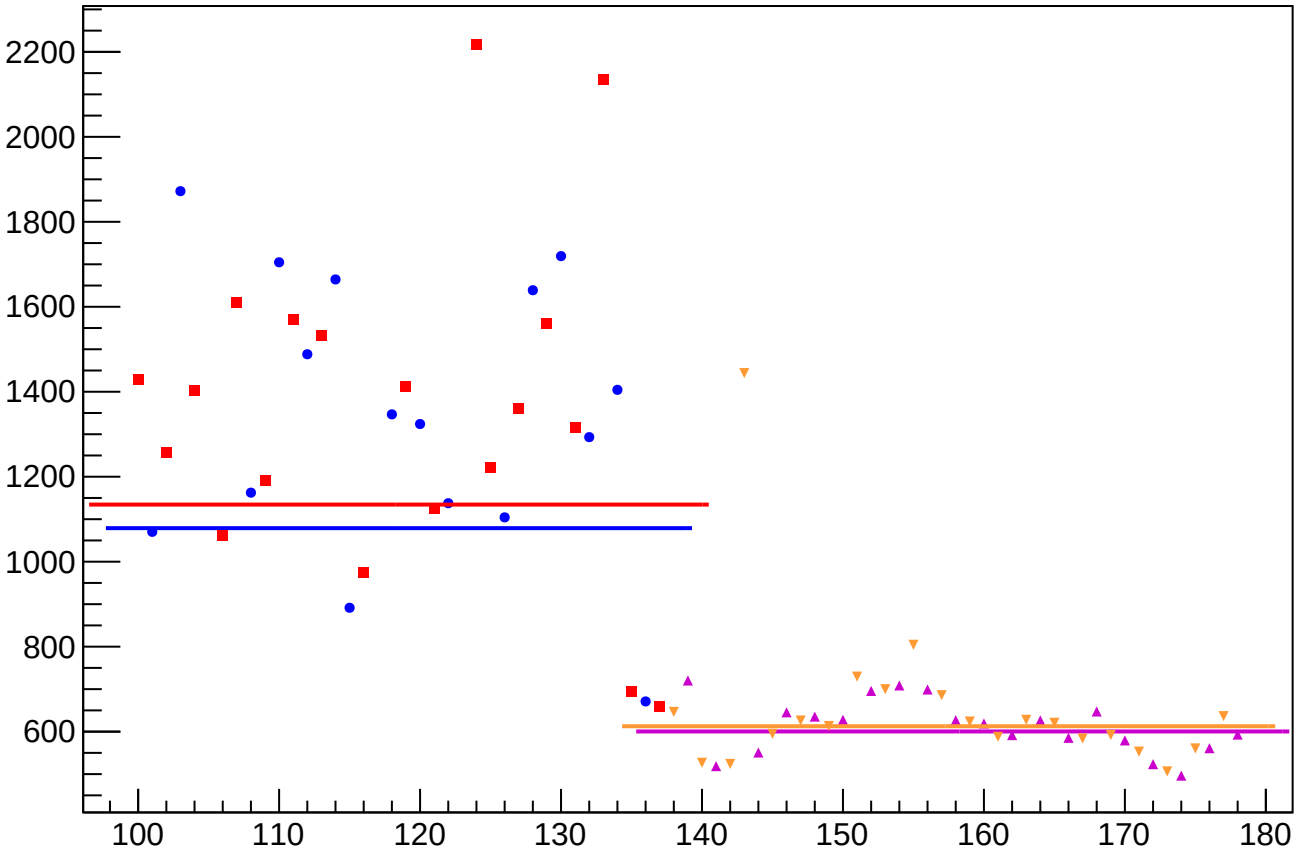
Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1249.938+/-0.183 χ^2/NDF:556229.7/35

Out: 1262.169+/-0.183 χ^2/NDF:523276.6/39

All: 1256.048+/-0.130 χ^2/NDF: 1081734.4/75


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: -228.055+/-149.657 χ²/NDF:17.1/19
Left: 202.844+/-106.833 χ²/NDF: 95.2/40
Right: 224.446+/-306.186 χ²/NDF: 44.3/34
In: -97.996+/-141.185 χ²/NDF:43.8/35
Out: 521.302+/-144.164 χ²/NDF:86.3/39
All: 205.188+/-100.869 χ²/NDF: 139.5/75



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: 600.404+/-0.106 χ^2/NDF:362683.1/19

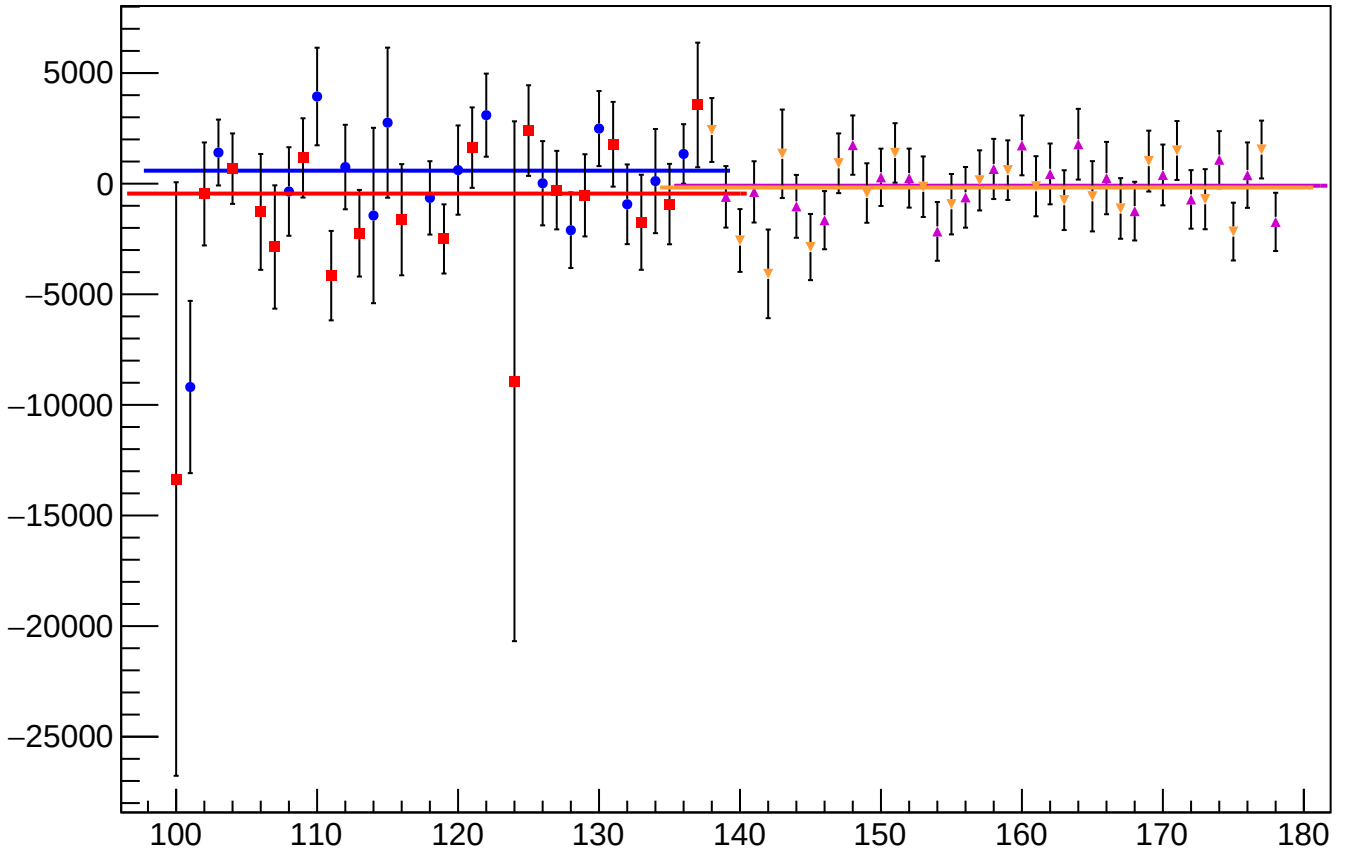
Left: 606.435+/-0.076 χ^2/NDF: 1277333.5/40

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 653.049+/-0.100 χ^2/NDF:4090976.3/35

Out: 668.517+/-0.102 χ^2/NDF:4699431.4/39

All: 660.622+/-0.071 χ^2/NDF: 8802160.1/75



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: -92.963+/-307.018 χ^2/NDF:13.9/19

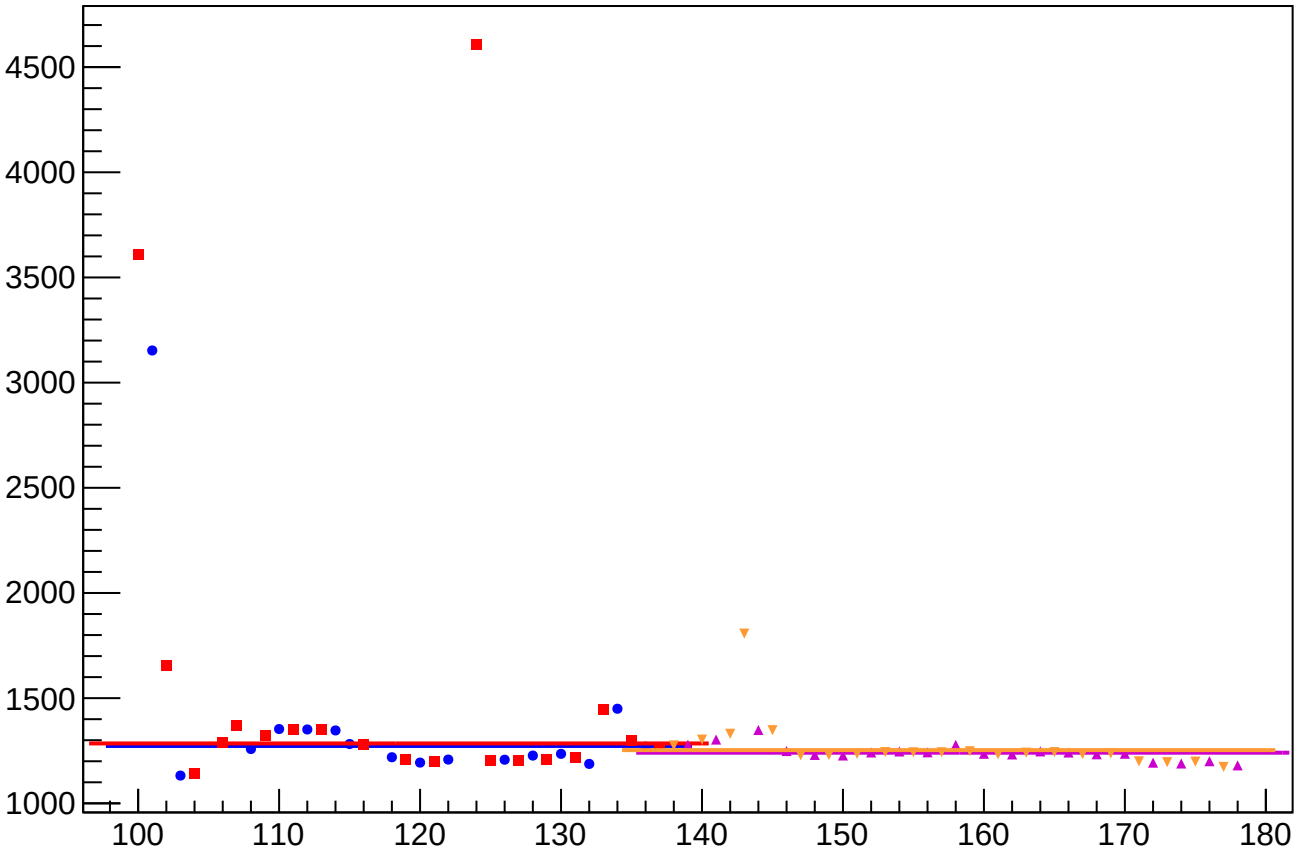
Left: -133.586+/-217.317 χ^2/NDF: 37.6/40

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 103.113+/-259.016 χ^2/NDF:32.3/35

Out: -253.856+/-259.222 χ^2/NDF:40.8/39

All: -75.229+/-183.225 χ^2/NDF: 74.0/75



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: 1240.677+/-0.217 χ^2/NDF:30617.4/19

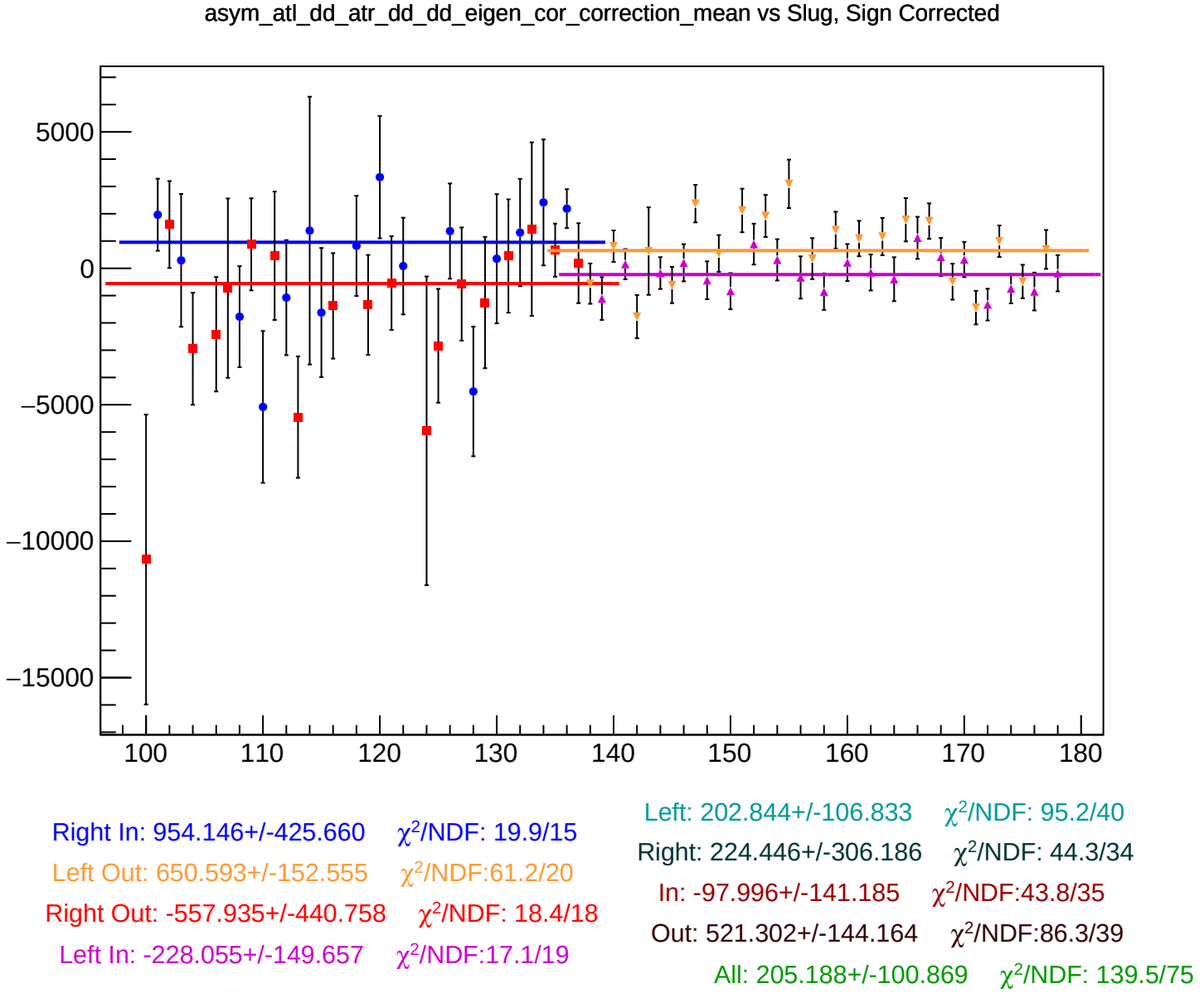
Left: 1246.817+/-0.154 χ^2/NDF: 220614.6/40

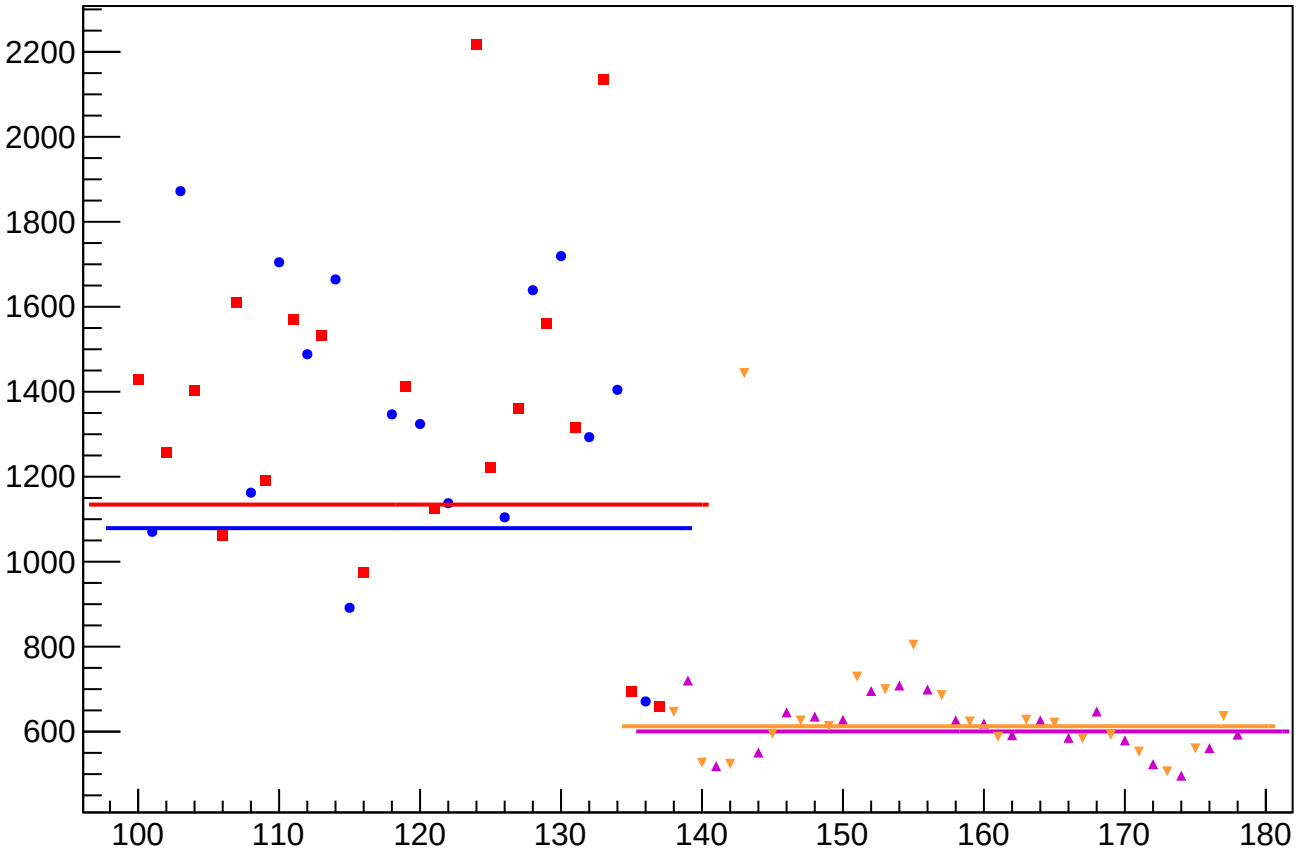
Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1249.938+/-0.183 χ^2/NDF:556229.7/35

Out: 1262.169+/-0.183 χ^2/NDF:523276.6/39

All: 1256.048+/-0.130 χ^2/NDF: 1081734.4/75


asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
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: -228.055+/-149.657 χ²/NDF:17.1/19
Left: 202.844+/-106.833 χ²/NDF: 95.2/40
Right: 224.446+/-306.186 χ²/NDF: 44.3/34
In: -97.996+/-141.185 χ²/NDF:43.8/35
Out: 521.302+/-144.164 χ²/NDF:86.3/39
All: 205.188+/-100.869 χ²/NDF: 139.5/75



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: 600.404+/-0.106 χ^2/NDF:362683.1/19

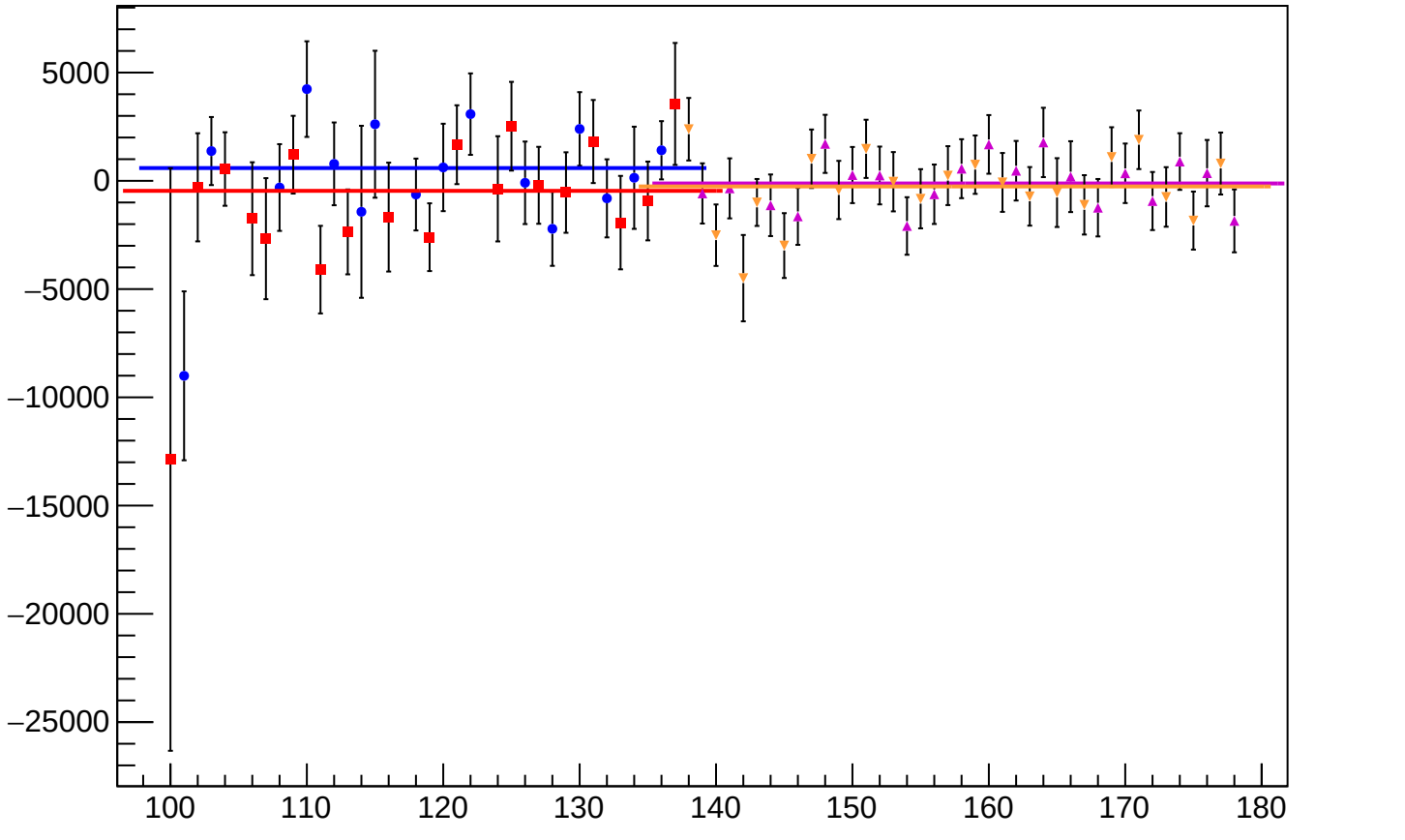
Left: 606.435+/-0.076 χ^2/NDF: 1277333.5/40

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 653.049+/-0.100 χ^2/NDF:4090976.3/35

Out: 668.517+/-0.102 χ^2/NDF:4699431.4/39

All: 660.622+/-0.071 χ^2/NDF: 8802160.1/75



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: -121.738+/-309.641 χ^2/NDF:13.3/19

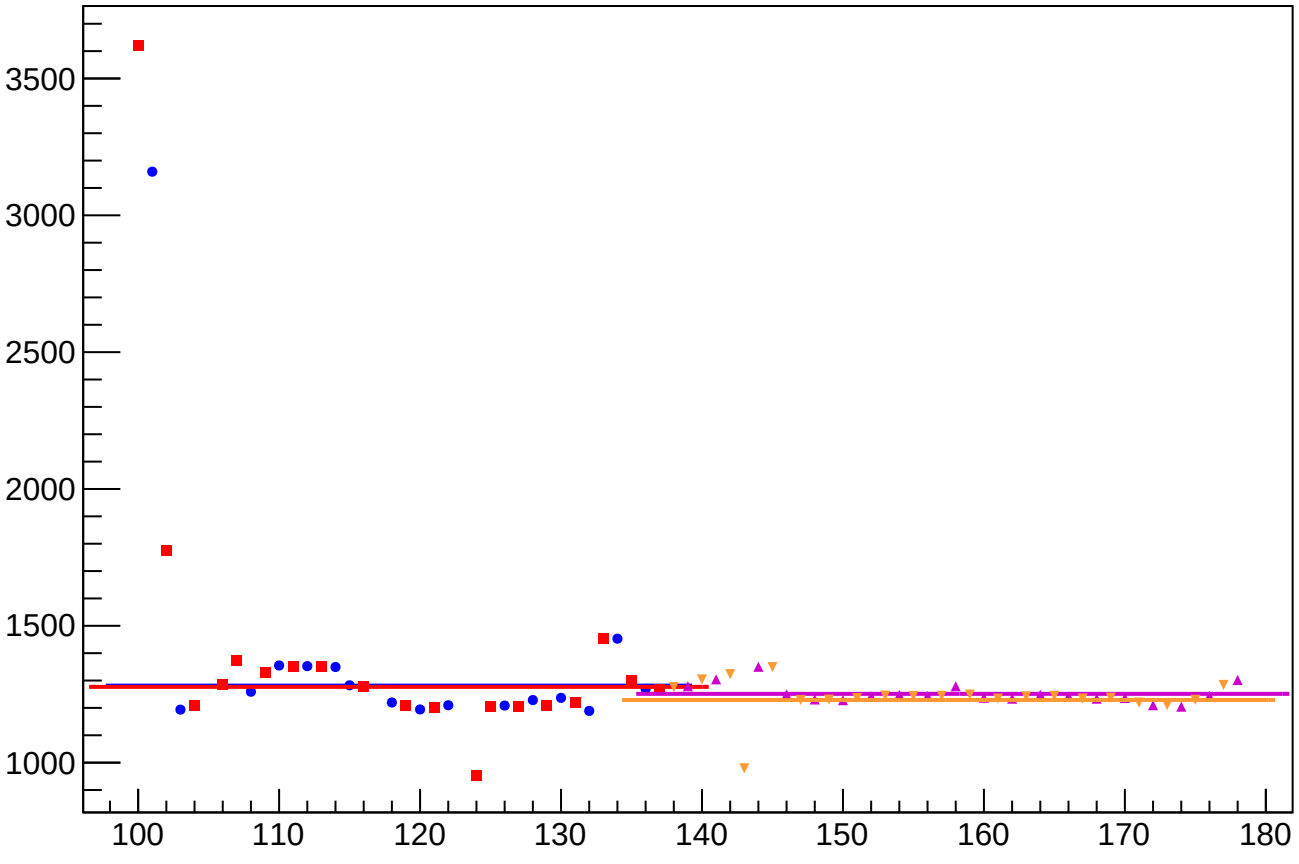
Left: -192.103+/-216.023 χ^2/NDF: 37.1/40

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 84.162+/-261.062 χ^2/NDF:31.9/35

Out: -317.043+/-254.843 χ^2/NDF:40.6/39

All: -121.277+/-182.360 χ^2/NDF: 73.7/75



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: 1251.373+/-0.219 χ^2/NDF:23643.4/19

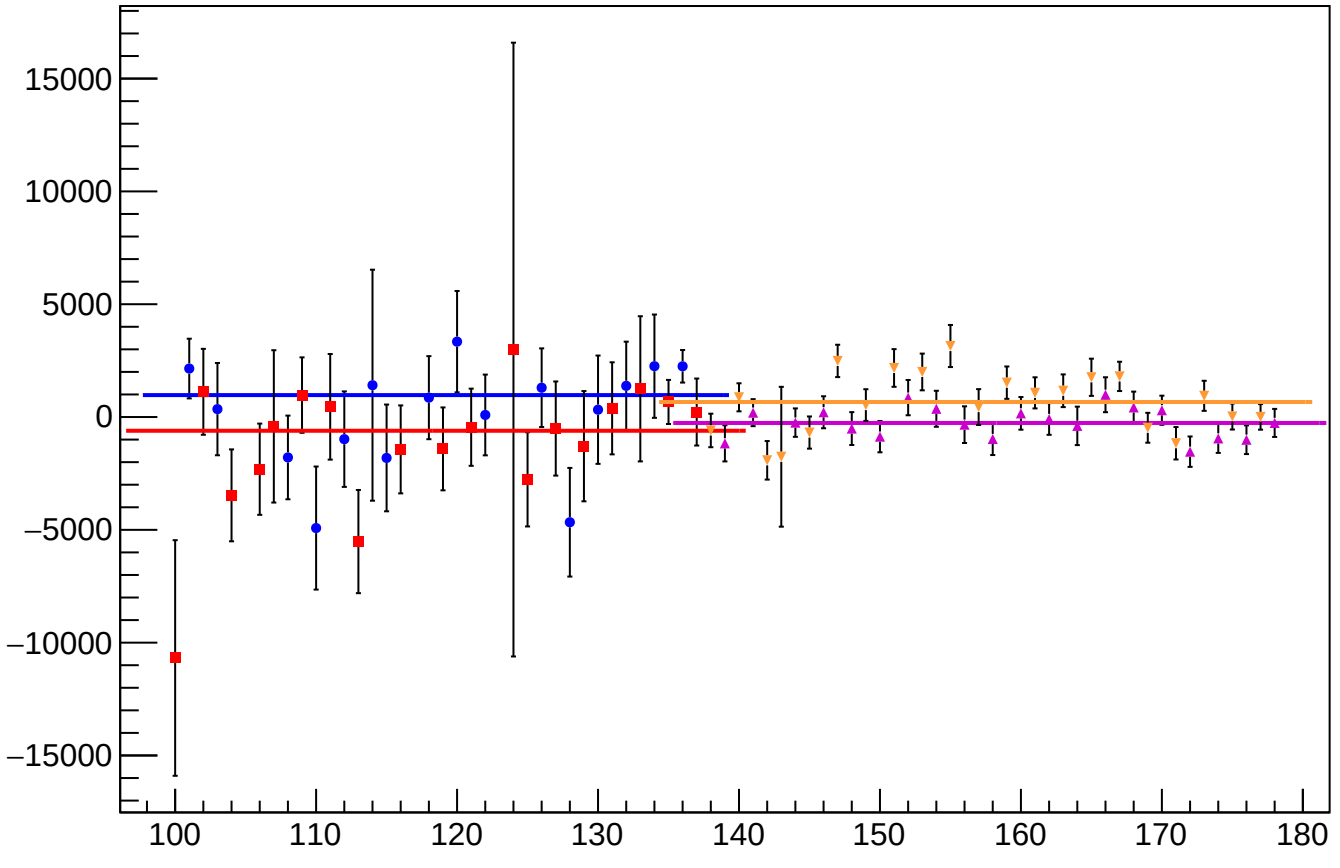
Left: 1239.867+/-0.153 χ^2/NDF: 165396.1/40

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1260.047+/-0.185 χ^2/NDF:536148.8/35

Out: 1242.641+/-0.180 χ^2/NDF:371307.1/39

All: 1251.134+/-0.129 χ^2/NDF: 912008.4/75



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: -263.517+/-156.871 χ^2/NDF:17.7/19

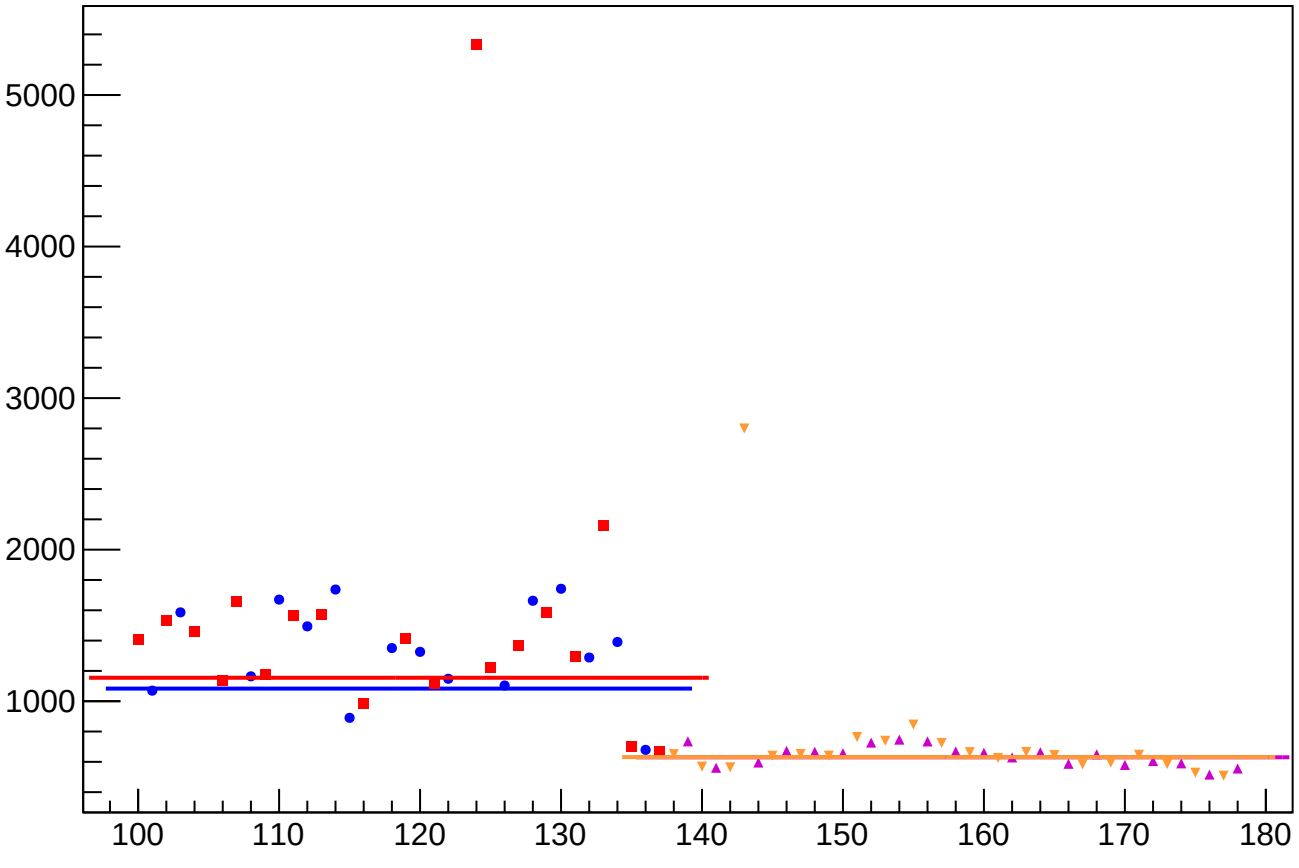
Left: 196.721+/-111.447 χ^2/NDF: 90.3/40

Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: -115.472+/-147.175 χ^2/NDF:45.6/35

Out: 524.057+/-149.295 χ^2/NDF:79.6/39

All: 199.720+/-104.810 χ^2/NDF: 134.5/75



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: 629.938+/-0.111 χ^2/NDF:324416.8/19

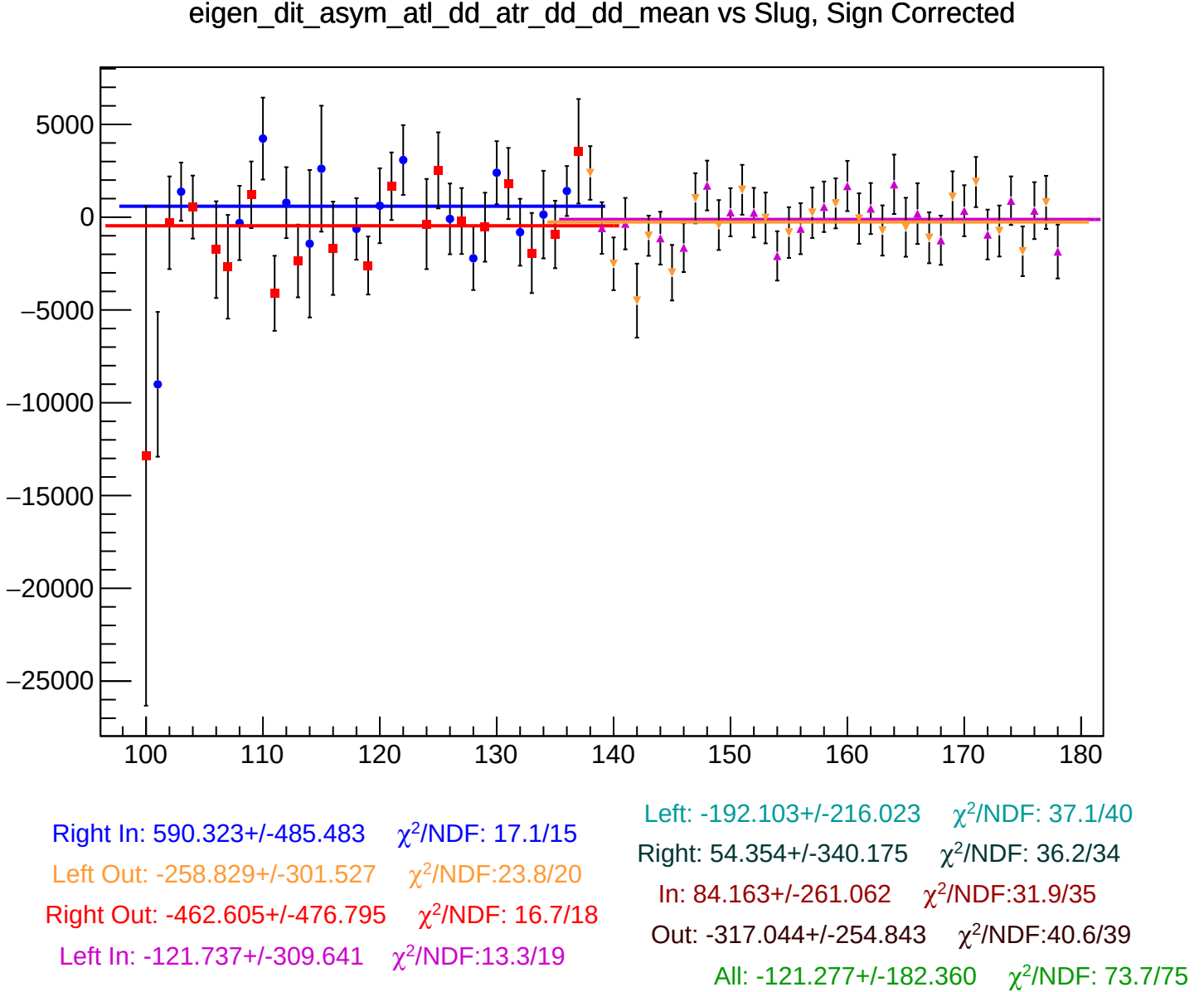
Left: 630.563+/-0.079 χ^2/NDF: 1752603.0/40

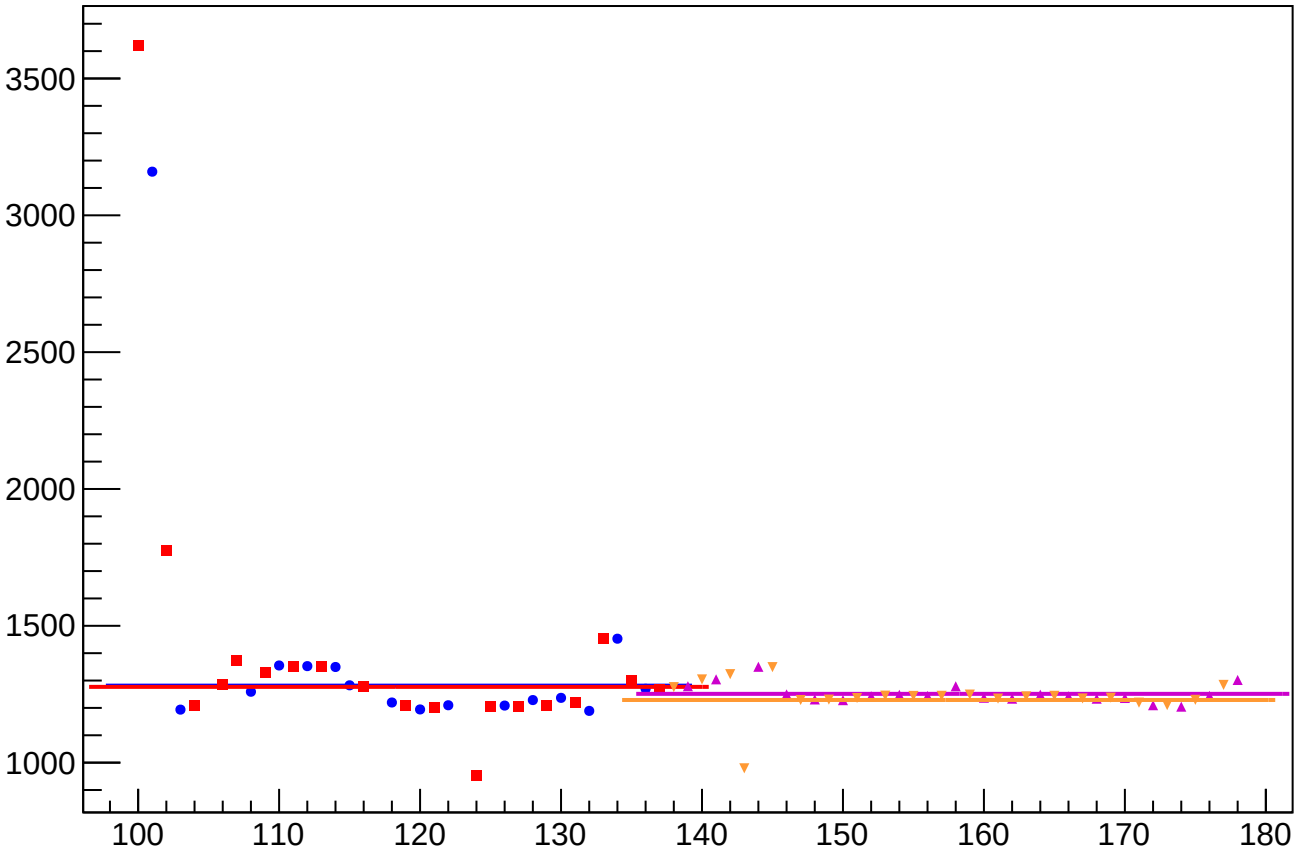
Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 684.254+/-0.104 χ^2/NDF:3686018.4/35

Out: 689.408+/-0.106 χ^2/NDF:5346810.3/39

All: 686.794+/-0.074 χ^2/NDF: 9034037.9/75


eigen_dit_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
Right In: 590.323+/-485.483 χ²/NDF: 17.1/15
Left Out: -258.829+/-301.527 χ²/NDF:23.8/20
Right Out: -462.605+/-476.795 χ²/NDF: 16.7/18
Left In: -121.737+/-309.641 χ²/NDF:13.3/19
Left: -192.103+/-216.023 χ²/NDF: 37.1/40
Right: 54.354+/-340.175 χ²/NDF: 36.2/34
In: 84.163+/-261.062 χ²/NDF:31.9/35
Out: -317.044+/-254.843 χ²/NDF:40.6/39
All: -121.277+/-182.360 χ²/NDF: 73.7/75



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: 1251.373+/-0.219 χ^2/NDF:23643.3/19

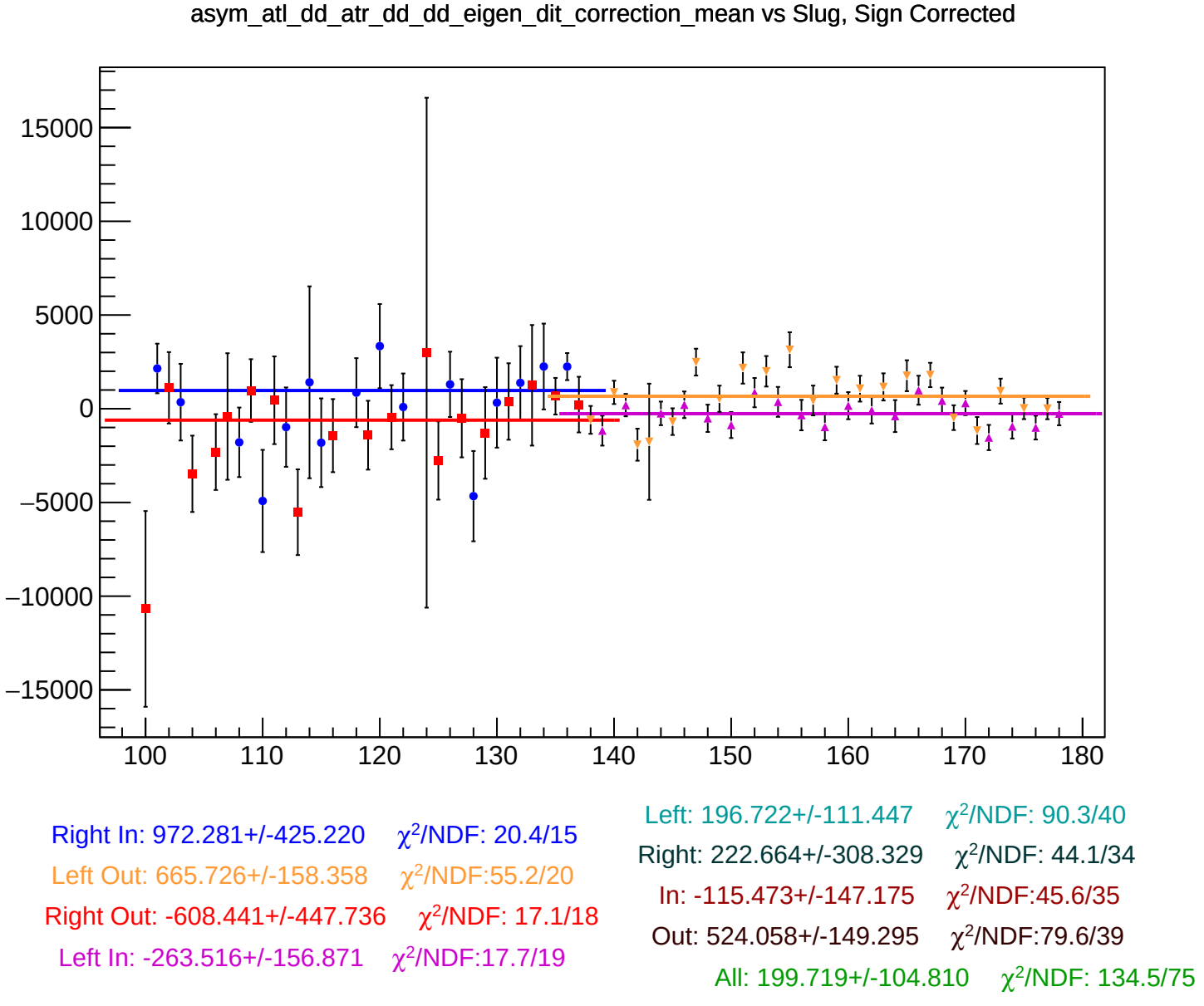
Left: 1239.867+/-0.153 χ^2/NDF: 165395.2/40

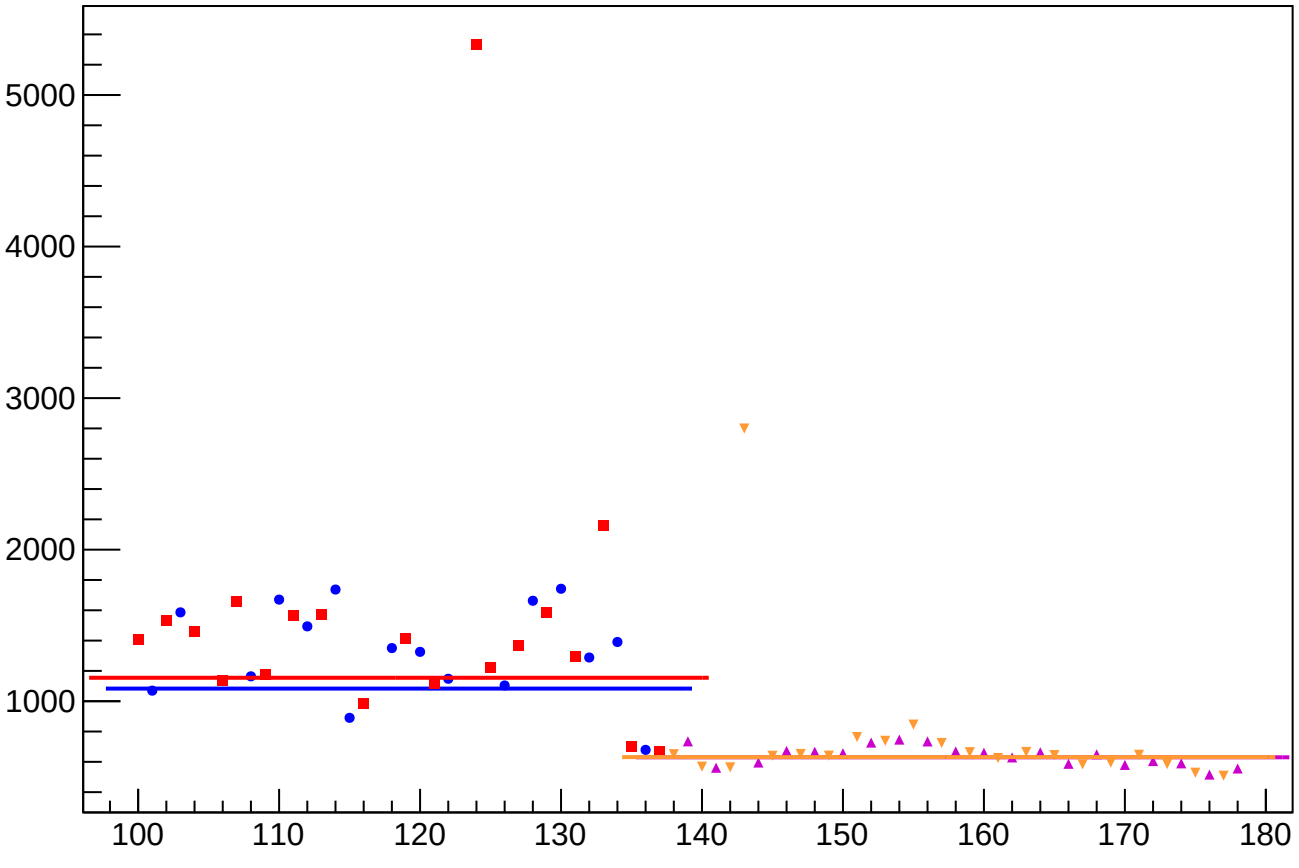
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1260.047+/-0.185 χ^2/NDF:536148.9/35

Out: 1242.641+/-0.180 χ^2/NDF:371306.2/39

All: 1251.134+/-0.129 χ^2/NDF: 912007.6/75


asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 972.281+/-425.220 χ²/NDF: 20.4/15
Left Out: 665.726+/-158.358 χ²/NDF:55.2/20
Right Out: -608.441+/-447.736 χ²/NDF: 17.1/18
Left In: -263.516+/-156.871 χ²/NDF:17.7/19
Left: 196.722+/-111.447 χ²/NDF: 90.3/40
Right: 222.664+/-308.329 χ²/NDF: 44.1/34
In: -115.473+/-147.175 χ²/NDF:45.6/35
Out: 524.058+/-149.295 χ²/NDF:79.6/39
All: 199.719+/-104.810 χ²/NDF: 134.5/75



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: 629.938+/-0.111 χ^2/NDF:324421.7/19

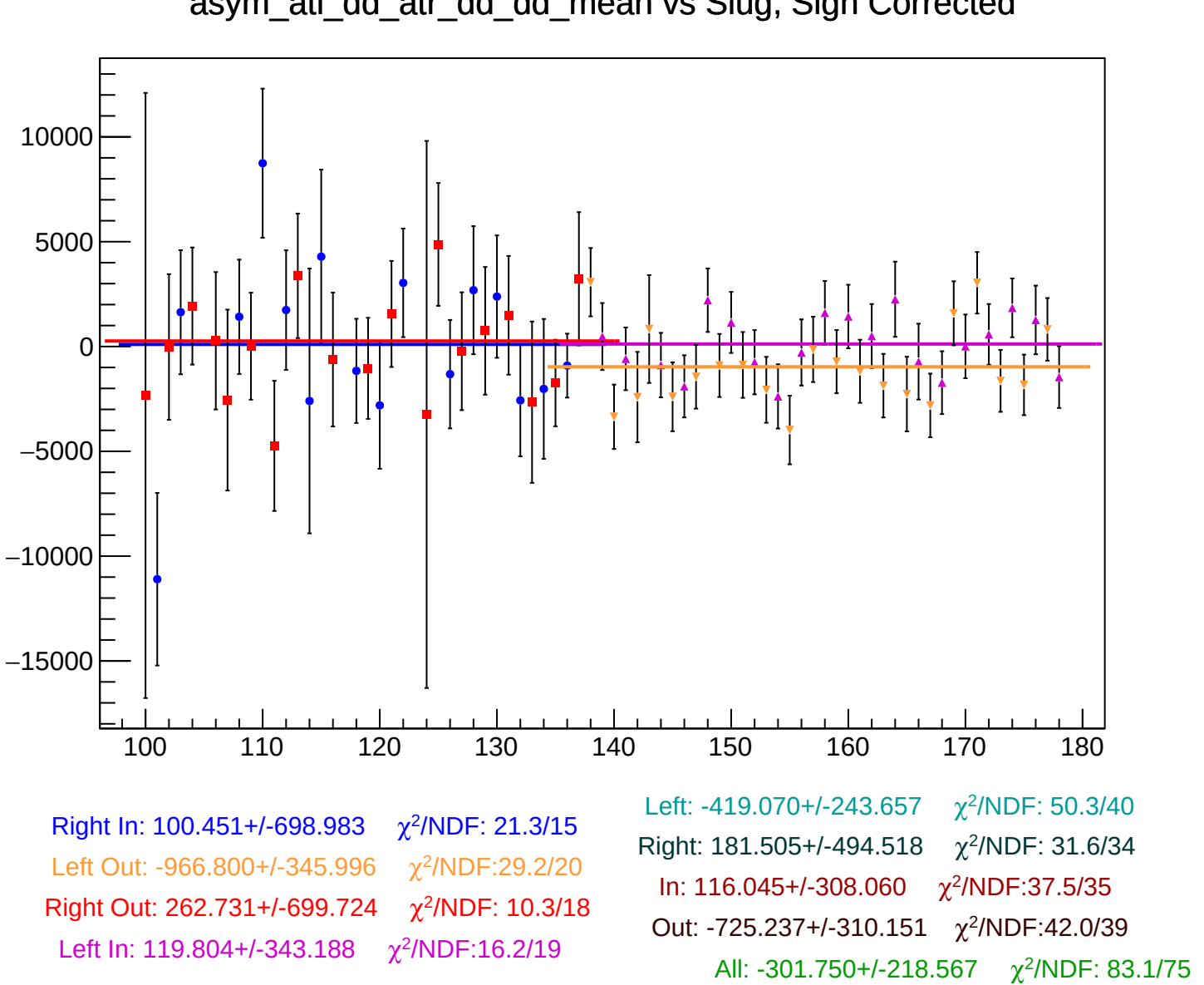
Left: 630.563+/-0.079 χ^2/NDF: 1752604.5/40

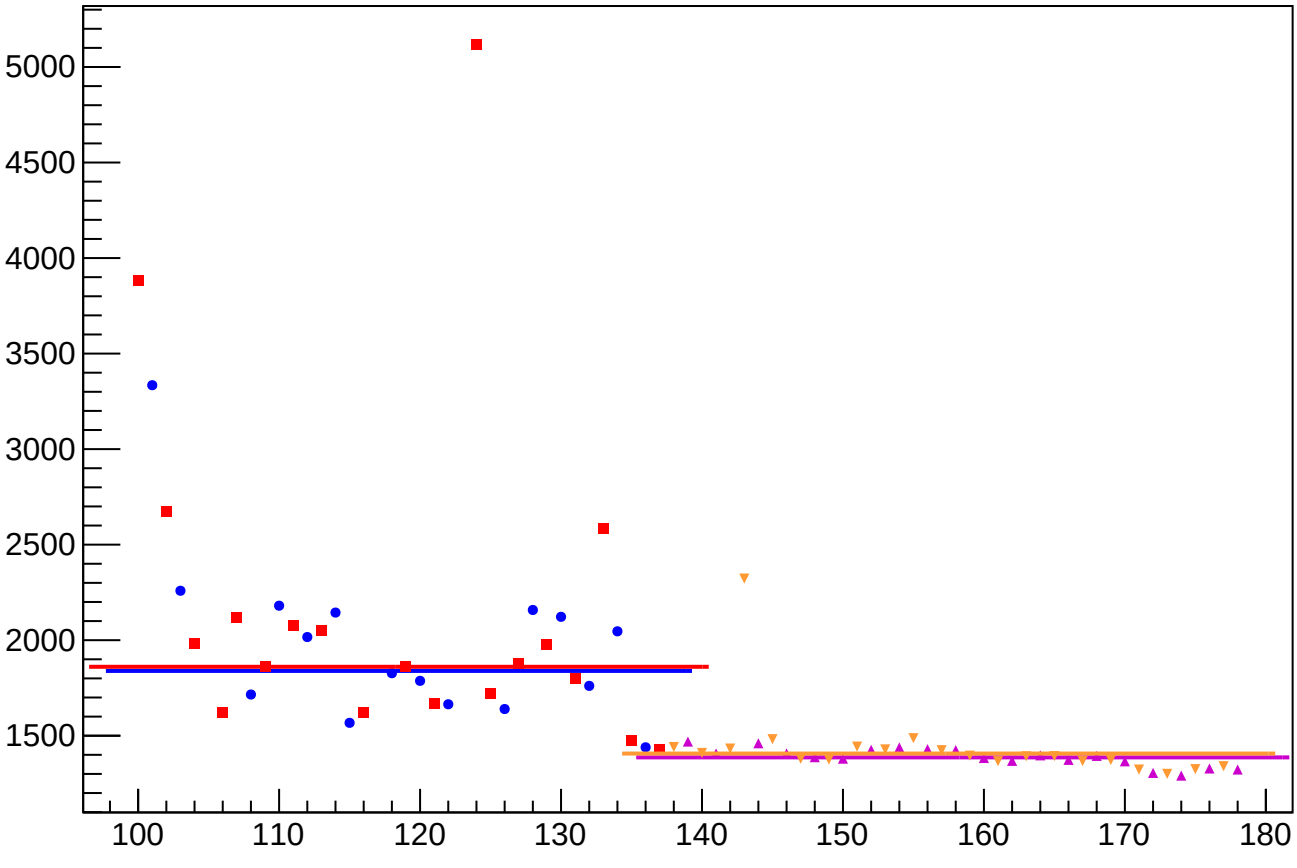
Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 684.253+/-0.104 χ^2/NDF:3686016.3/35

Out: 689.409+/-0.106 χ^2/NDF:5346803.3/39

All: 686.794+/-0.074 χ^2/NDF: 9034029.1/75


asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 100.451+/-698.983 χ²/NDF: 21.3/15
Left Out: -966.800+/-345.996 χ²/NDF:29.2/20
Right Out: 262.731+/-699.724 χ²/NDF: 10.3/18
Left In: 119.804+/-343.188 χ²/NDF:16.2/19
Left: -419.070+/-243.657 χ²/NDF: 50.3/40
Right: 181.505+/-494.518 χ²/NDF: 31.6/34
In: 116.045+/-308.060 χ²/NDF:37.5/35
Out: -725.237+/-310.151 χ²/NDF:42.0/39
All: -301.750+/-218.567 χ²/NDF: 83.1/75



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: 1386.544+/-0.243 χ^2/NDF:39873.0/19

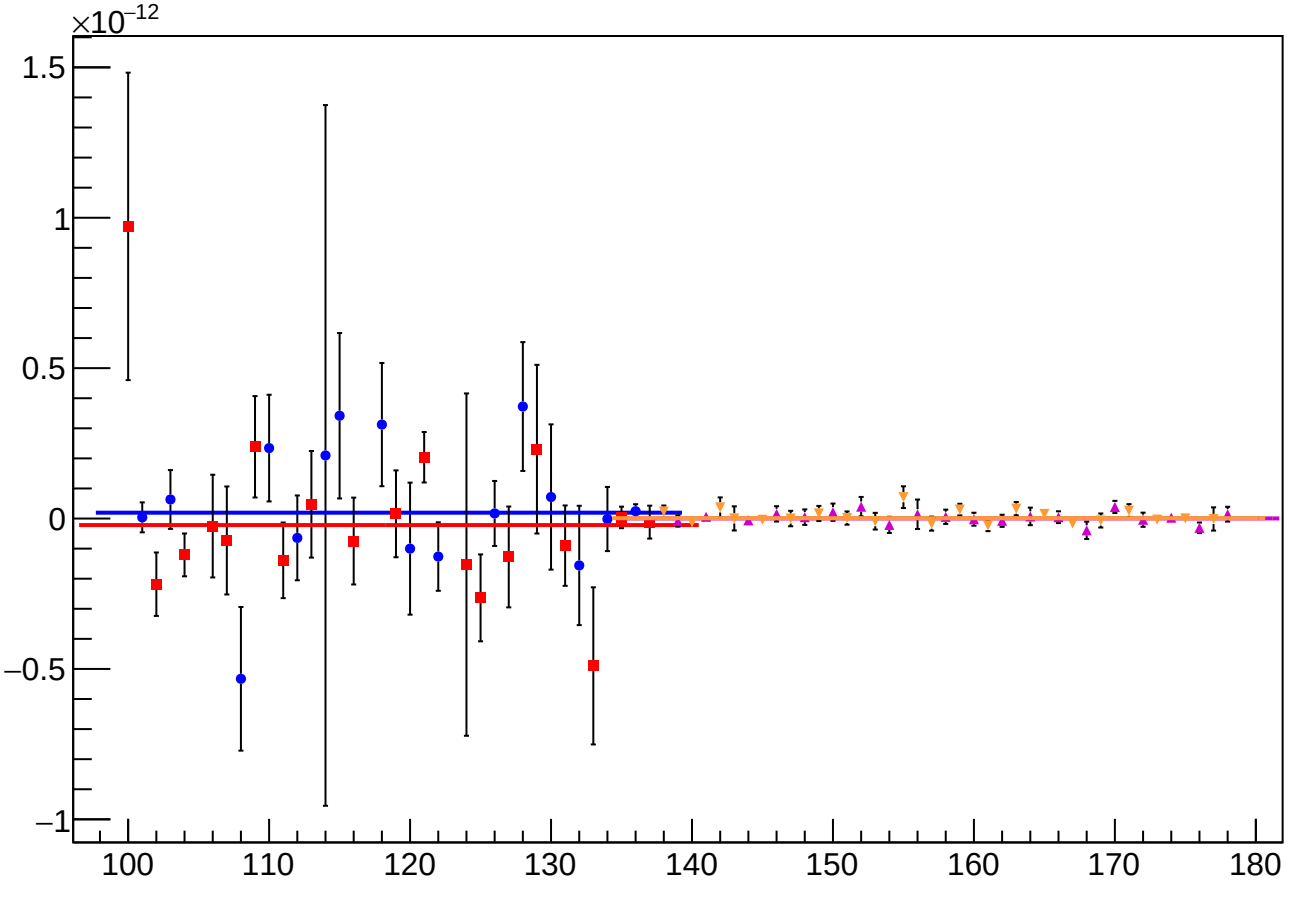
Left: 1396.525+/-0.172 χ^2/NDF: 341559.4/40

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1474.451+/-0.218 χ^2/NDF:1272173.2/35

Out: 1495.885+/-0.219 χ^2/NDF:1497187.5/39

All: 1485.095+/-0.155 χ^2/NDF: 2774168.8/75



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:13.0/19

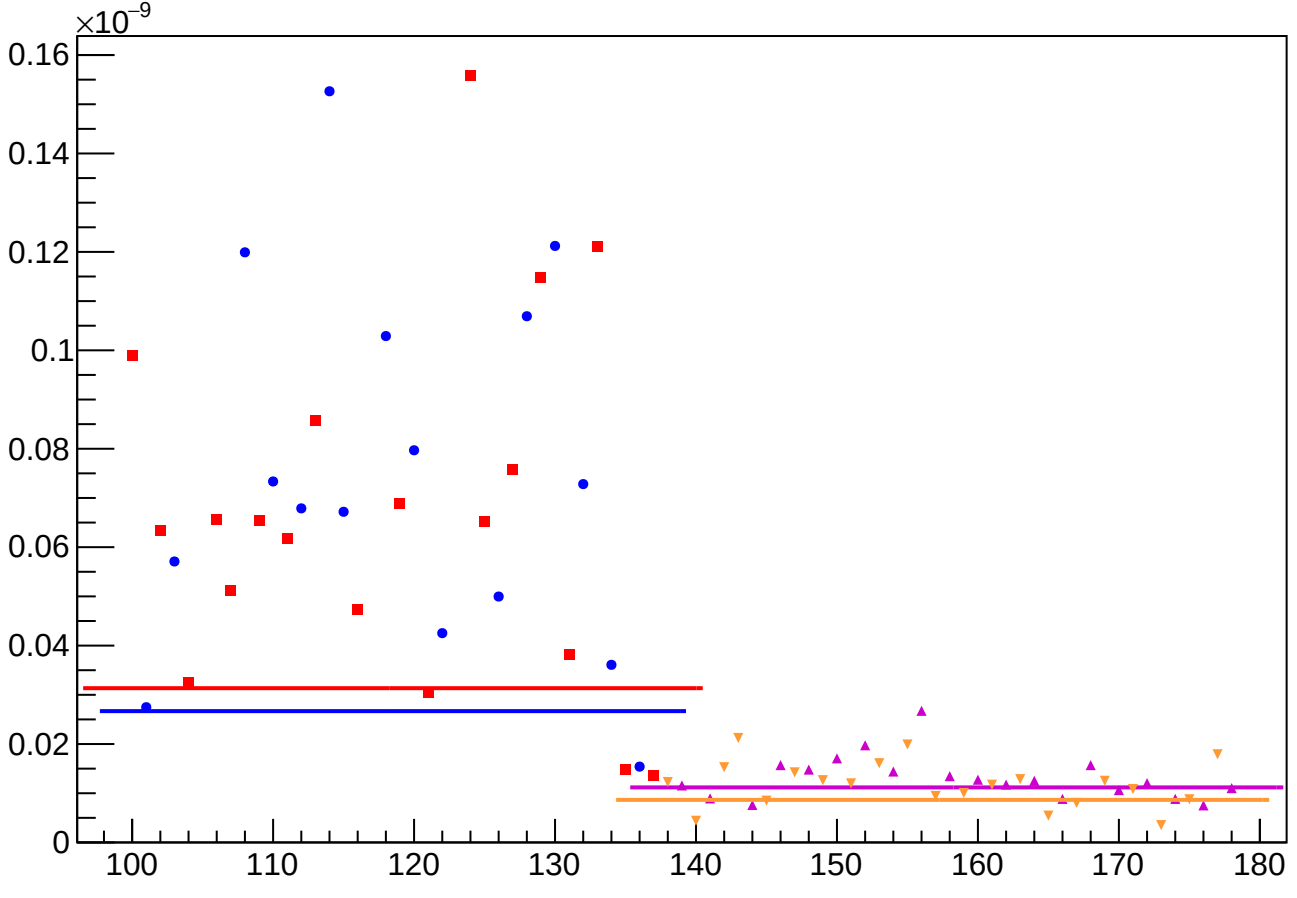
Left: 0.000+/-0.000 χ^2/NDF: 31.7/40

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:30.4/35

Out: 0.000+/-0.000 χ^2/NDF:47.9/39

All: 0.000+/-0.000 χ^2/NDF: 78.4/75



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:988305.0/19

Left: 0.000+/-0.000 χ^2/NDF: 3430414.7/40

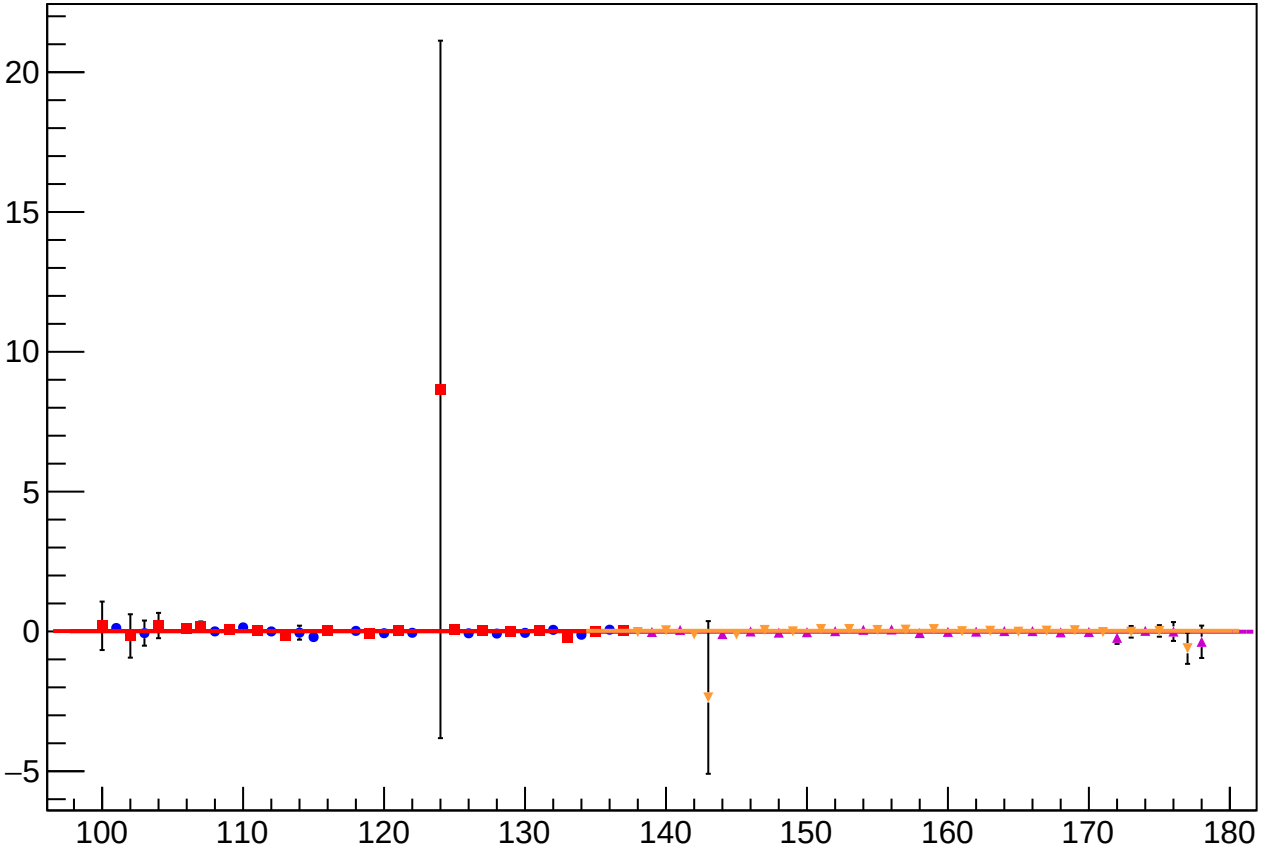
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4844632.9/35

Out: 0.000+/-0.000 χ^2/NDF:6395803.7/39

All: 0.000+/-0.000 χ^2/NDF: 11649699.2/75

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:12.3/19

Left: 0.006+/-0.007 χ^2/NDF: 37.0/40

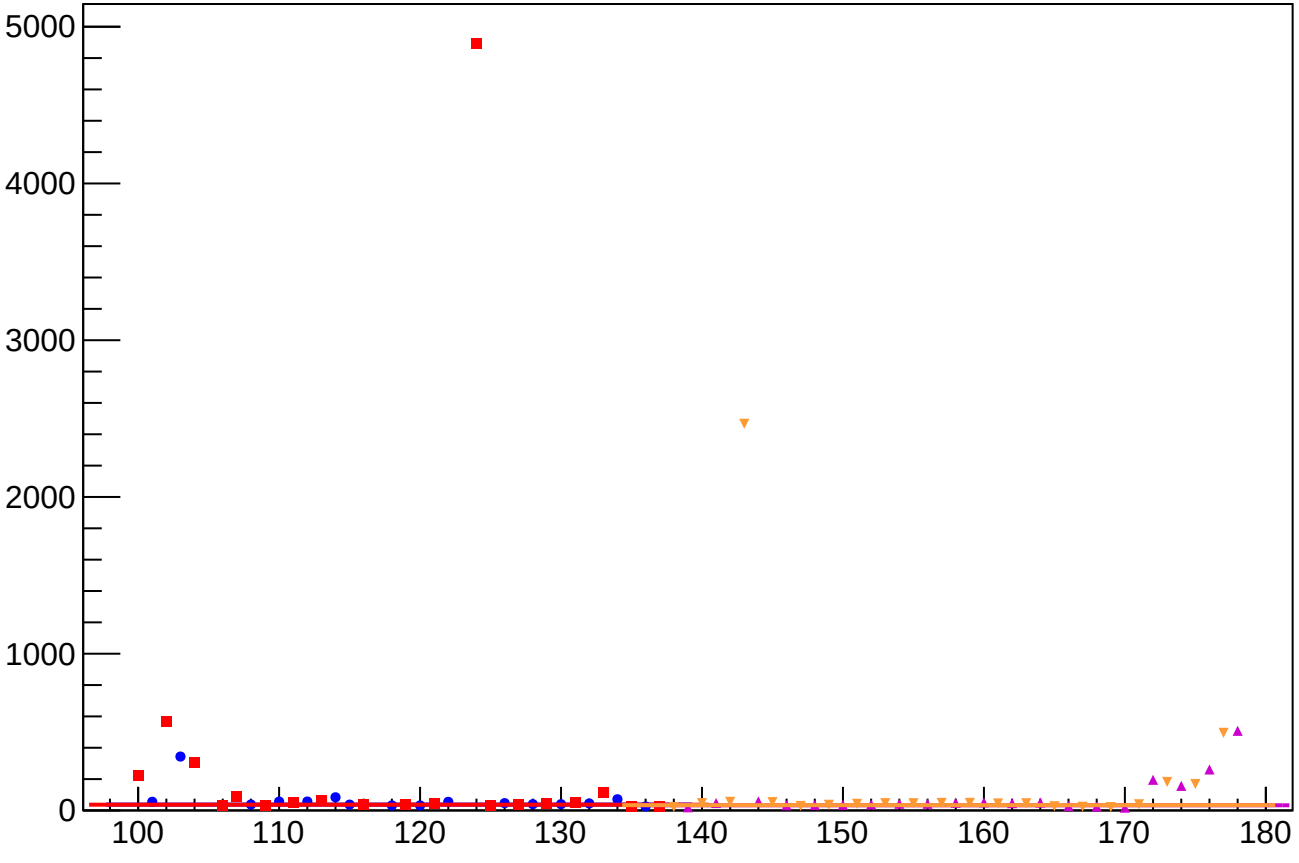
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.5/35

Out: 0.020+/-0.009 χ^2/NDF:32.2/39

All: 0.007+/-0.006 χ^2/NDF: 69.0/75

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: 32.959+/-0.007 χ^2/NDF:7081789.7/19

Left: 33.379+/-0.005 χ^2/NDF: 14309475.7/40

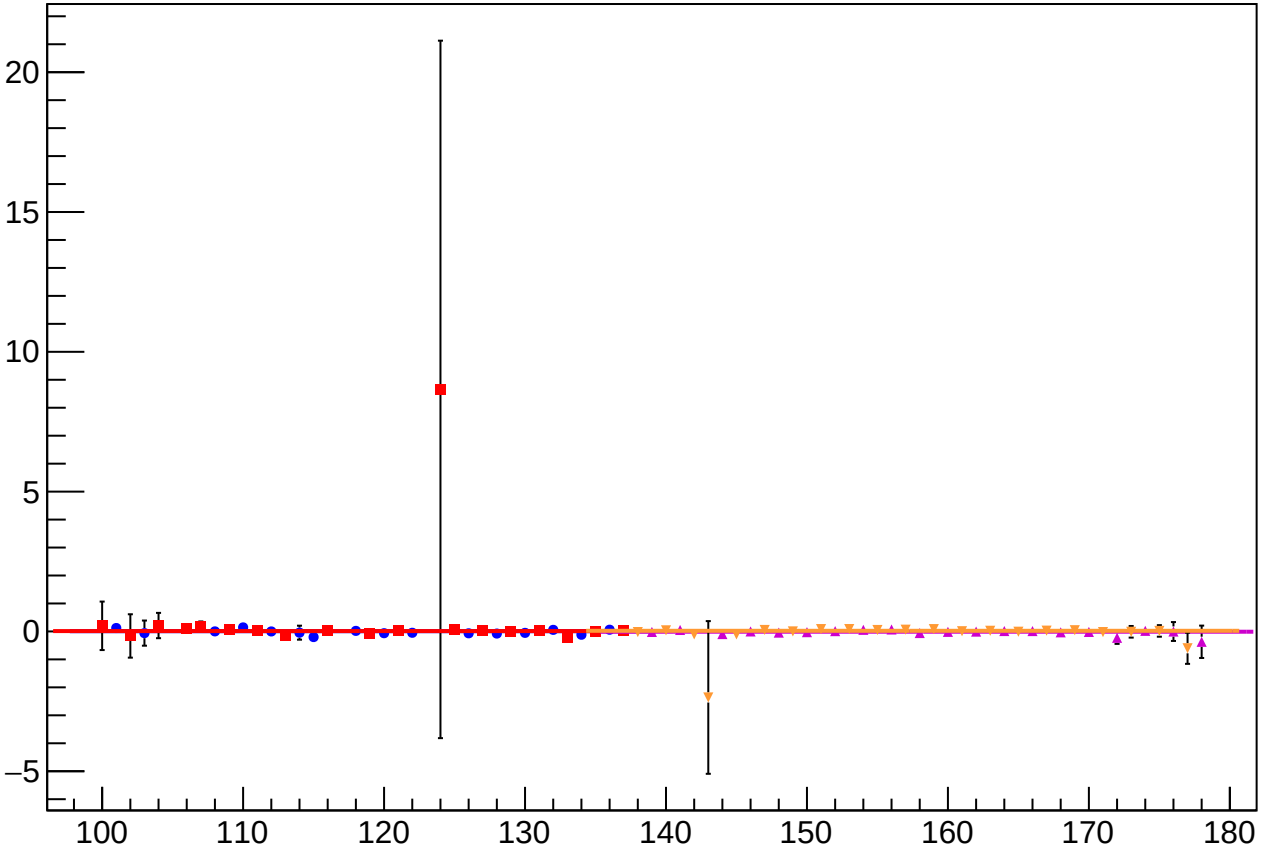
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.215+/-0.006 χ^2/NDF:9180122.5/35

Out: 34.630+/-0.006 χ^2/NDF:10456656.0/39

All: 34.417+/-0.004 χ^2/NDF: 19639111.6/75

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:12.3/19

Left: 0.006+/-0.007 χ^2/NDF: 37.0/40

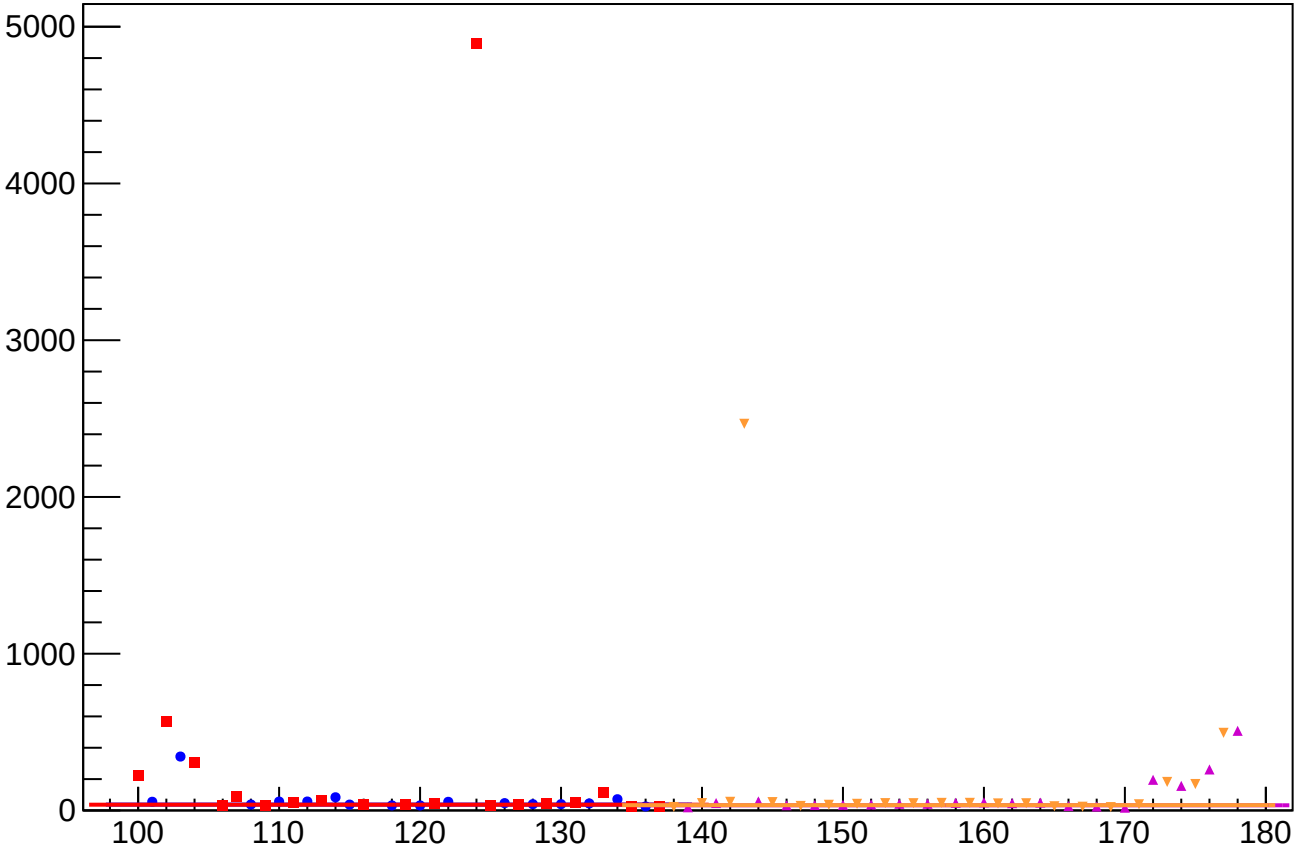
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.5/35

Out: 0.020+/-0.009 χ^2/NDF:32.2/39

All: 0.007+/-0.006 χ^2/NDF: 69.0/75

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: 32.959+/-0.007 χ^2/NDF:7081789.7/19

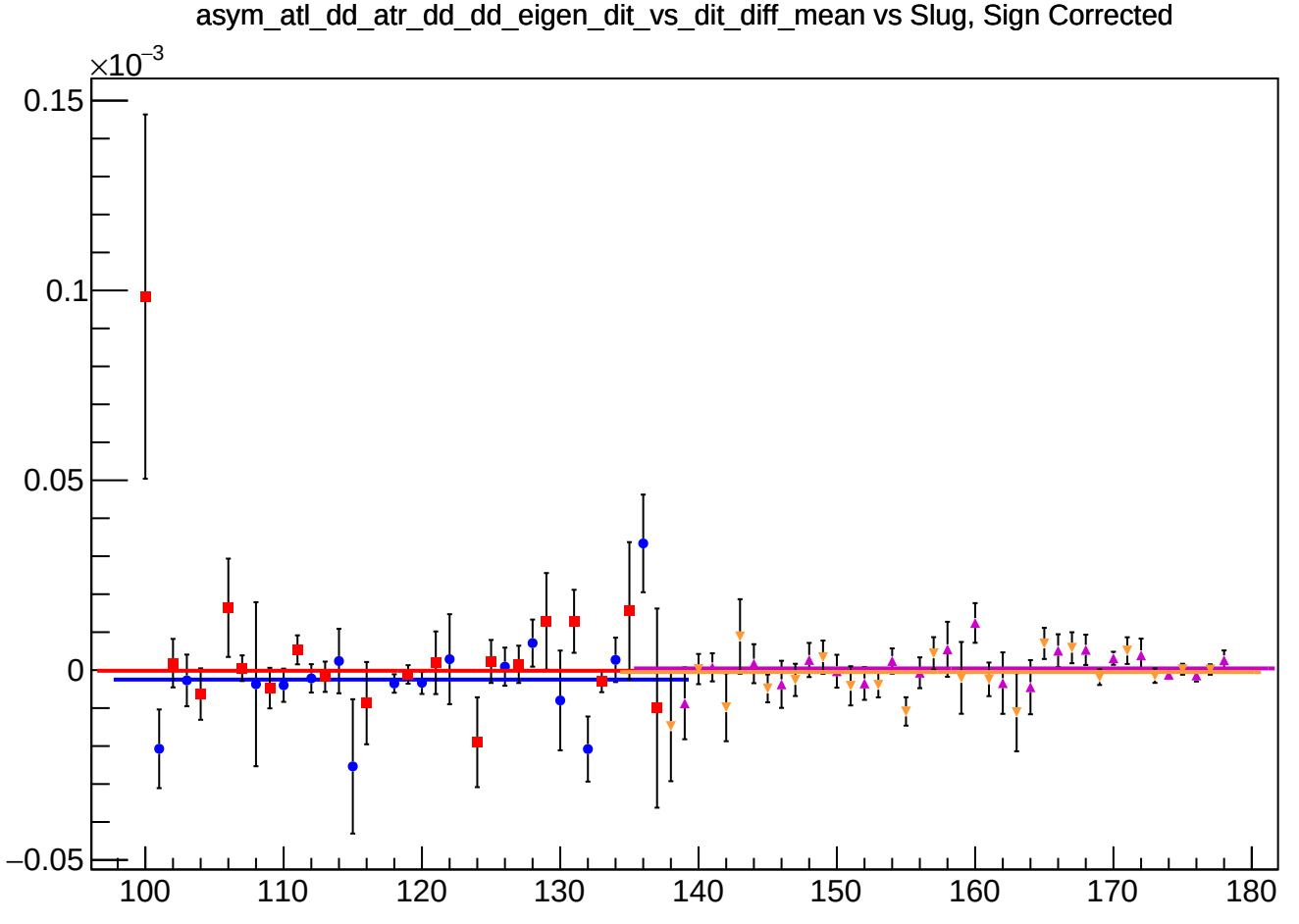
Left: 33.379+/-0.005 χ^2/NDF: 14309475.7/40

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.215+/-0.006 χ^2/NDF:9180122.5/35

Out: 34.630+/-0.006 χ^2/NDF:10456656.0/39

All: 34.417+/-0.004 χ^2/NDF: 19639111.6/75



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:19.6/19

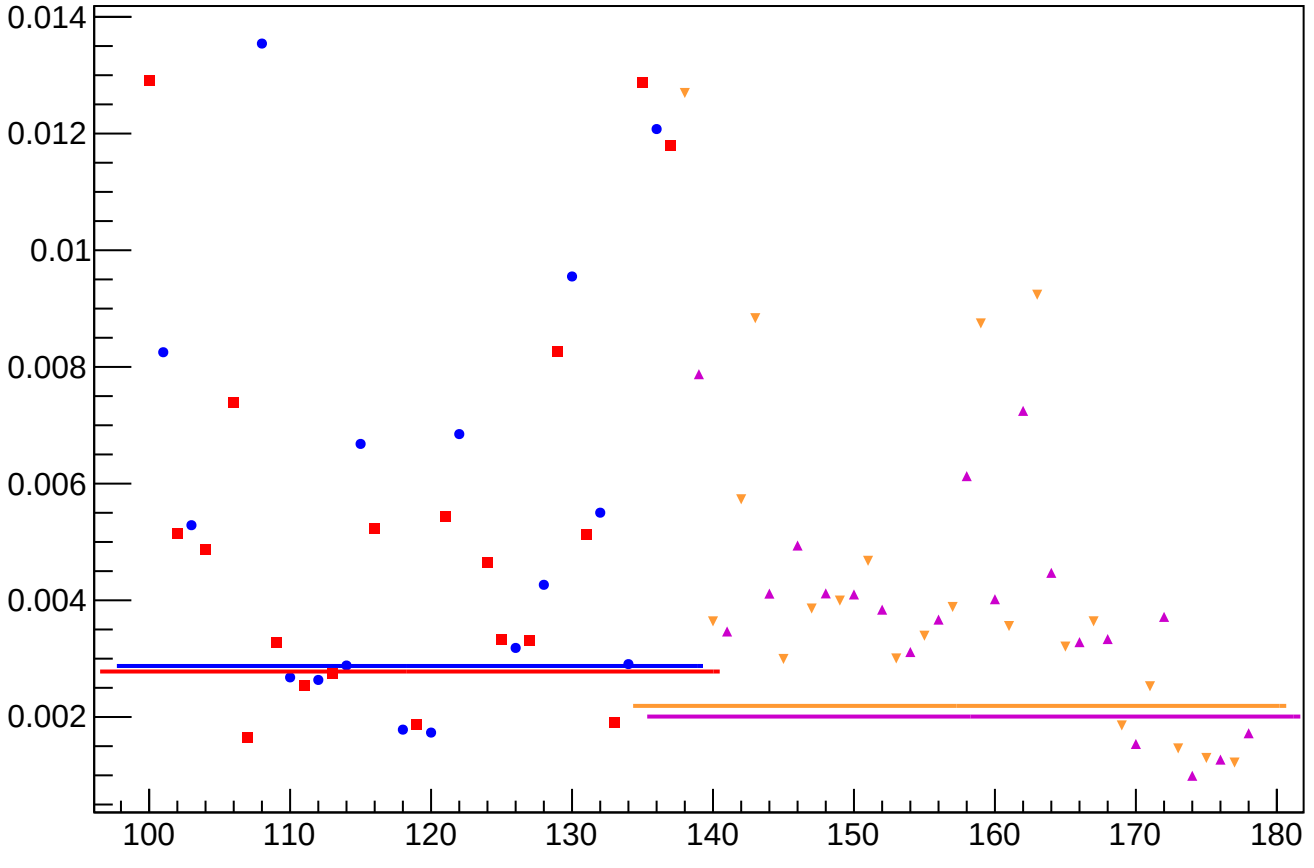
Left: -0.000+/-0.000 χ^2/NDF: 47.5/40

Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:45.5/35

Out: -0.000+/-0.000 χ^2/NDF:45.8/39

All: -0.000+/-0.000 χ^2/NDF: 91.4/75



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:8778357.6/19

Left: 0.002+/-0.000 χ^2/NDF: 17868095.6/40

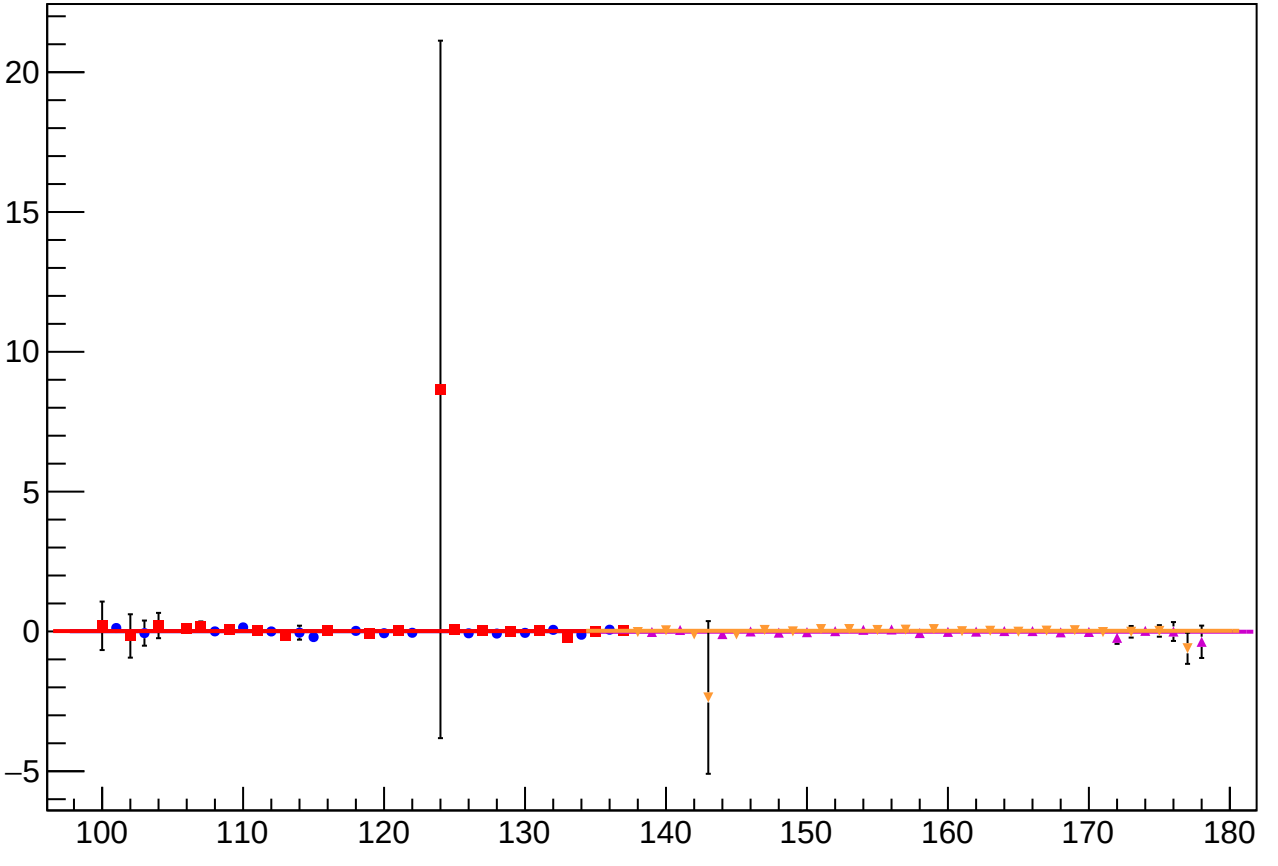
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.002+/-0.000 χ^2/NDF:13642992.2/35

Out: 0.002+/-0.000 χ^2/NDF:12705423.3/39

All: 0.002+/-0.000 χ^2/NDF: 26422166.7/75

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:12.3/19

Left: 0.006+/-0.007 χ^2/NDF: 37.0/40

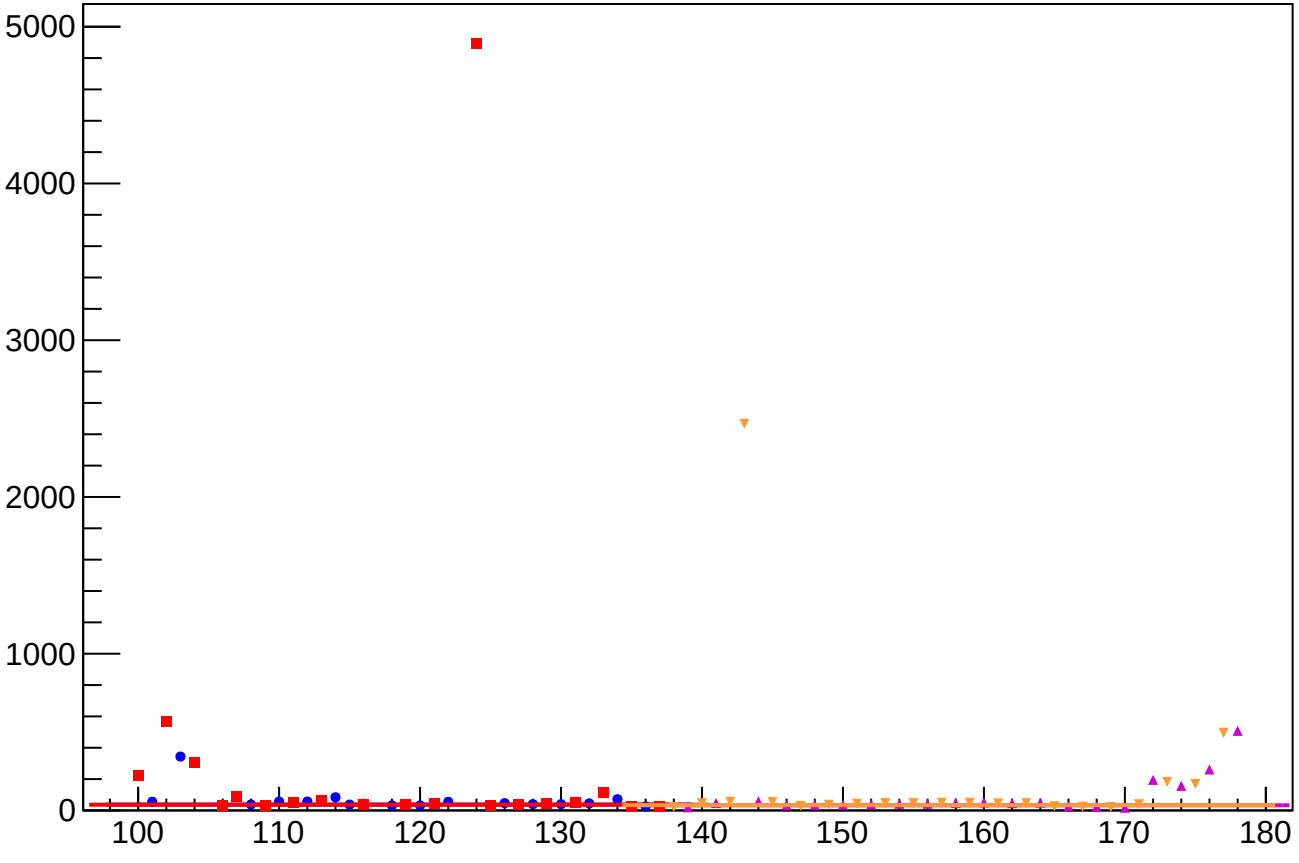
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.5/35

Out: 0.020+/-0.009 χ^2/NDF:32.2/39

All: 0.007+/-0.006 χ^2/NDF: 69.0/75

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: 32.961+/-0.007 χ^2/NDF:7080579.3/19

Left: 33.379+/-0.005 χ^2/NDF: 14308299.7/40

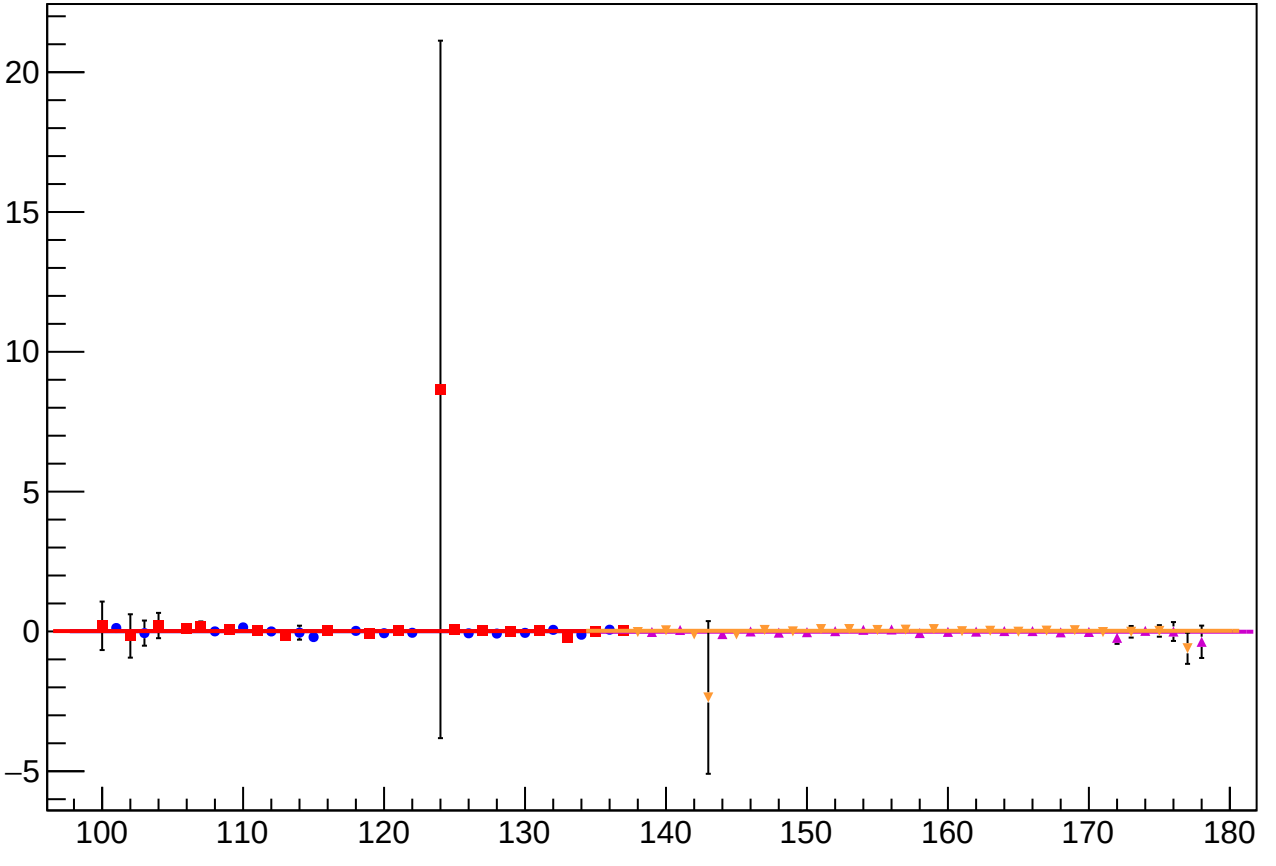
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.217+/-0.006 χ^2/NDF:9178752.6/35

Out: 34.630+/-0.006 χ^2/NDF:10456525.3/39

All: 34.418+/-0.004 χ^2/NDF: 19637587.4/75

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:12.3/19

Left: 0.006+/-0.007 χ^2/NDF: 37.0/40

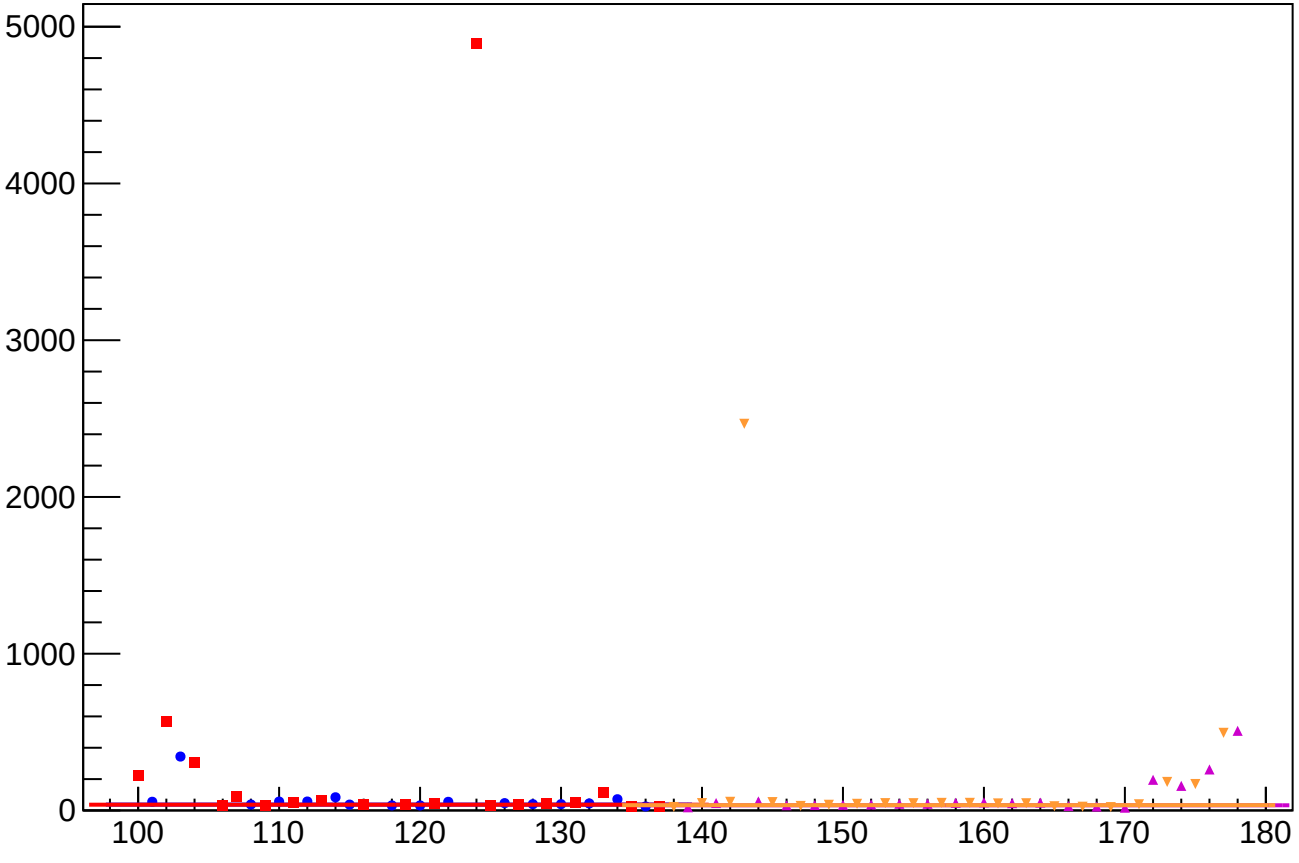
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.5/35

Out: 0.020+/-0.009 χ^2/NDF:32.2/39

All: 0.007+/-0.006 χ^2/NDF: 69.0/75

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: 32.961+/-0.007 χ^2/NDF:7080579.3/19

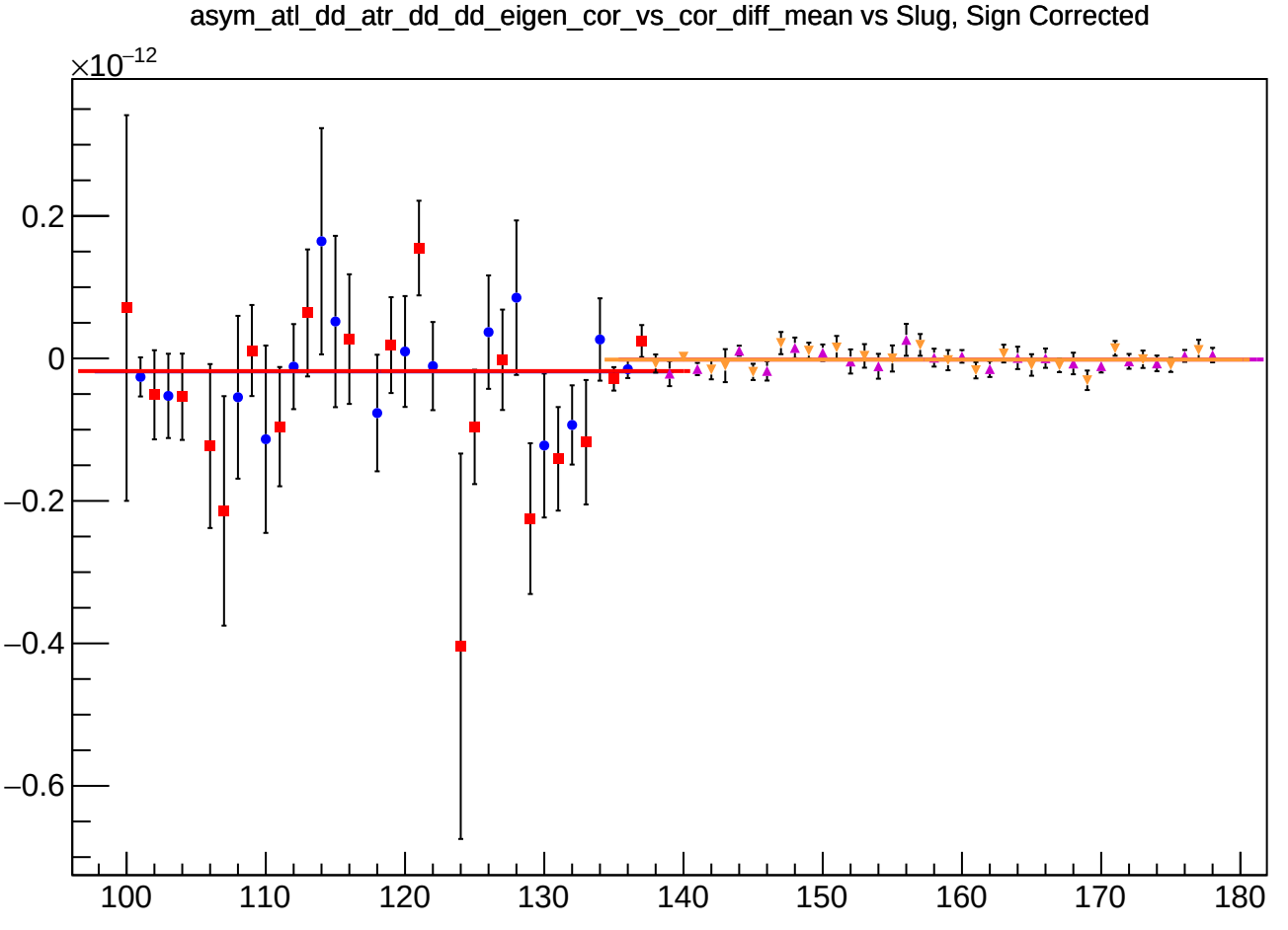
Left: 33.379+/-0.005 χ^2/NDF: 14308299.7/40

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.217+/-0.006 χ^2/NDF:9178752.6/35

Out: 34.630+/-0.006 χ^2/NDF:10456525.3/39

All: 34.418+/-0.004 χ^2/NDF: 19637587.4/75



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:15.9/19

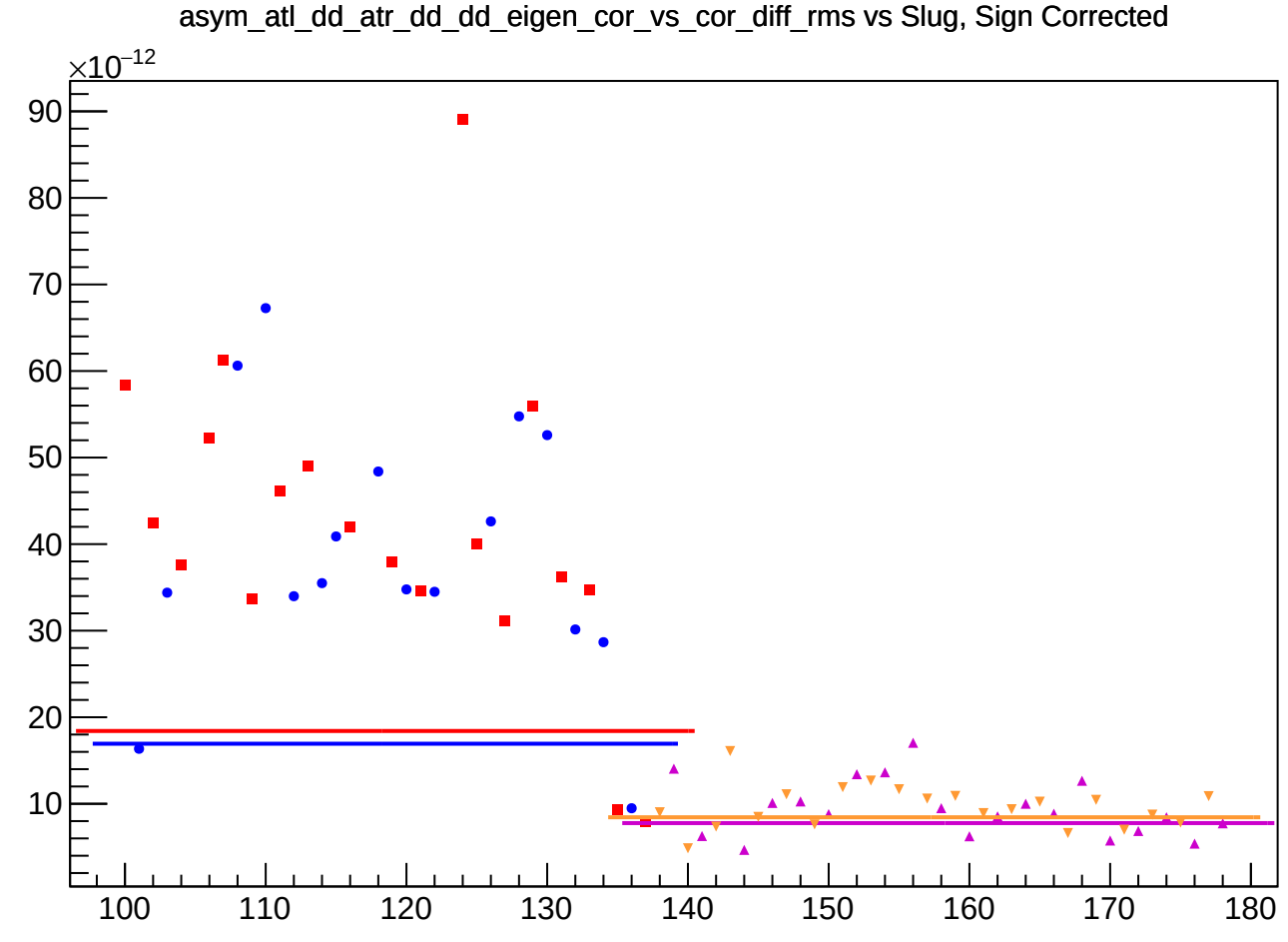
Left: -0.000+/-0.000 χ^2/NDF: 37.8/40

Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:26.9/35

Out: -0.000+/-0.000 χ^2/NDF:51.2/39

All: -0.000+/-0.000 χ^2/NDF: 78.1/75



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:2280617.5/19

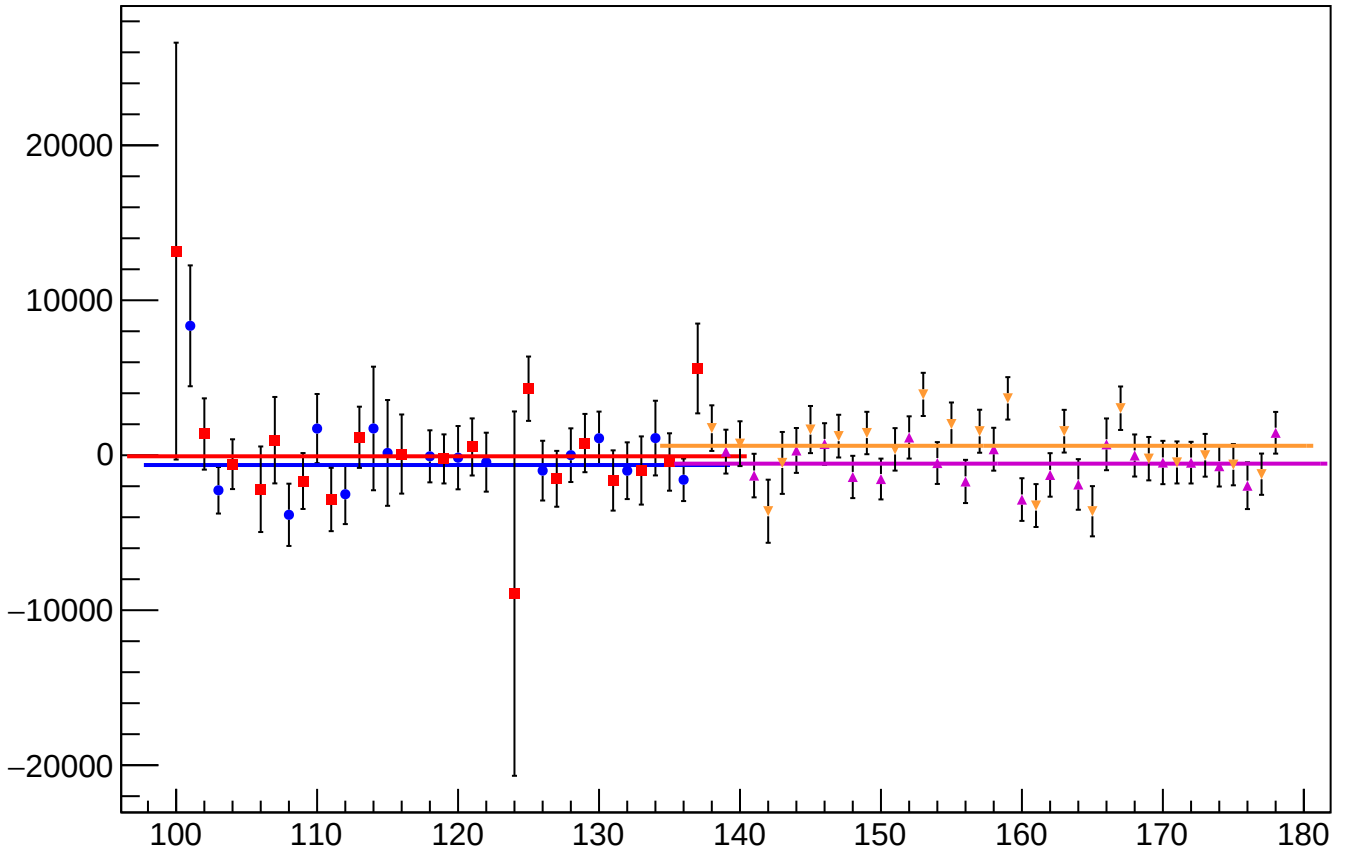
Left: 0.000+/-0.000 χ^2/NDF: 3866808.2/40

Right: 0.000+/-0.000 χ^2/NDF: 6902390.3/34

In: 0.000+/-0.000 χ^2/NDF:7095031.2/35

Out: 0.000+/-0.000 χ^2/NDF:6731817.2/39

All: 0.000+/-0.000 χ^2/NDF: 13896371.9/75



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: -543.002+/-312.722 χ^2/NDF:13.1/19

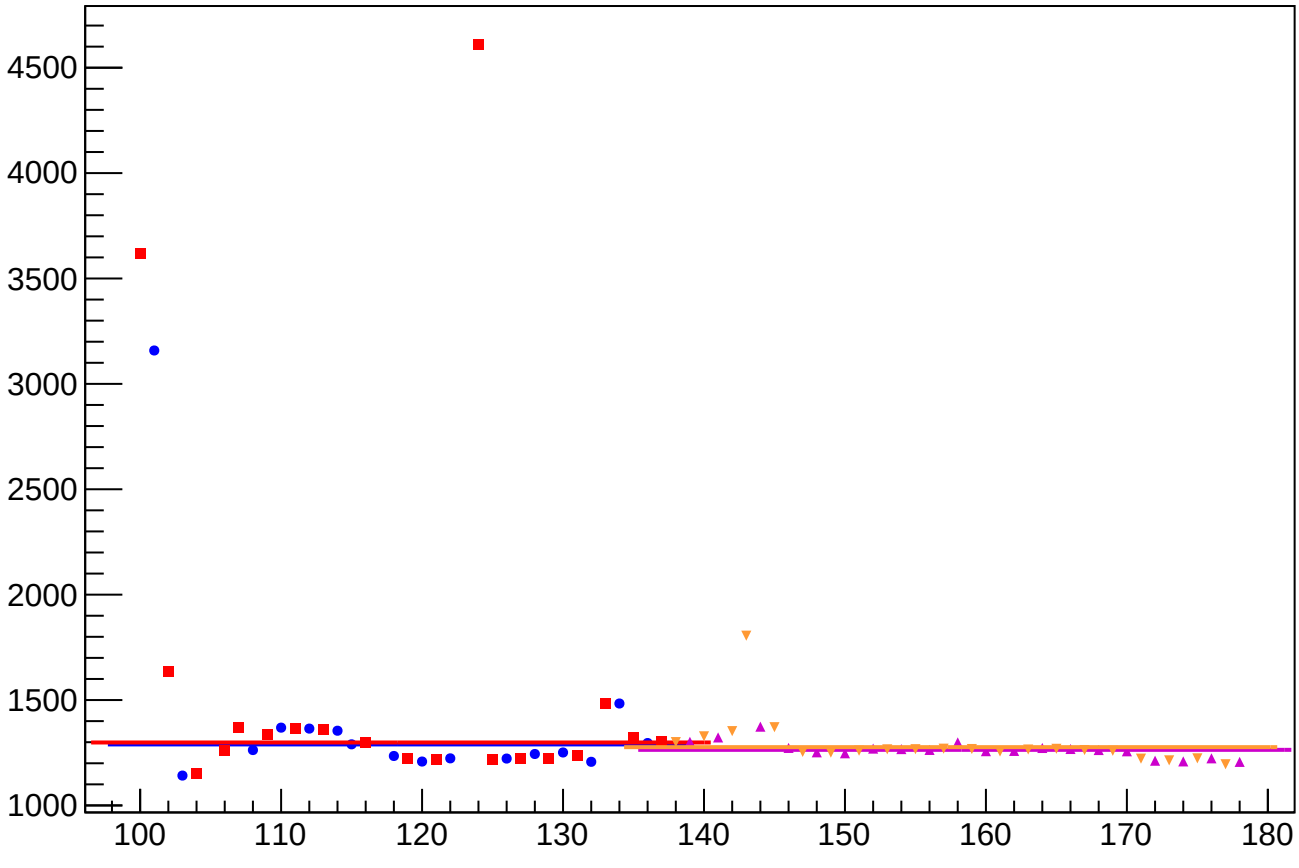
Left: 32.510+/-221.351 χ^2/NDF: 60.2/40

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -568.582+/-263.402 χ^2/NDF:27.0/35

Out: 412.277+/-263.637 χ^2/NDF:57.6/39

All: -78.590+/-186.336 χ^2/NDF: 91.5/75



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: 1263.728+/-0.221 χ^2/NDF:30050.0/19

Left: 1270.093+/-0.157 χ^2/NDF: 206342.2/40

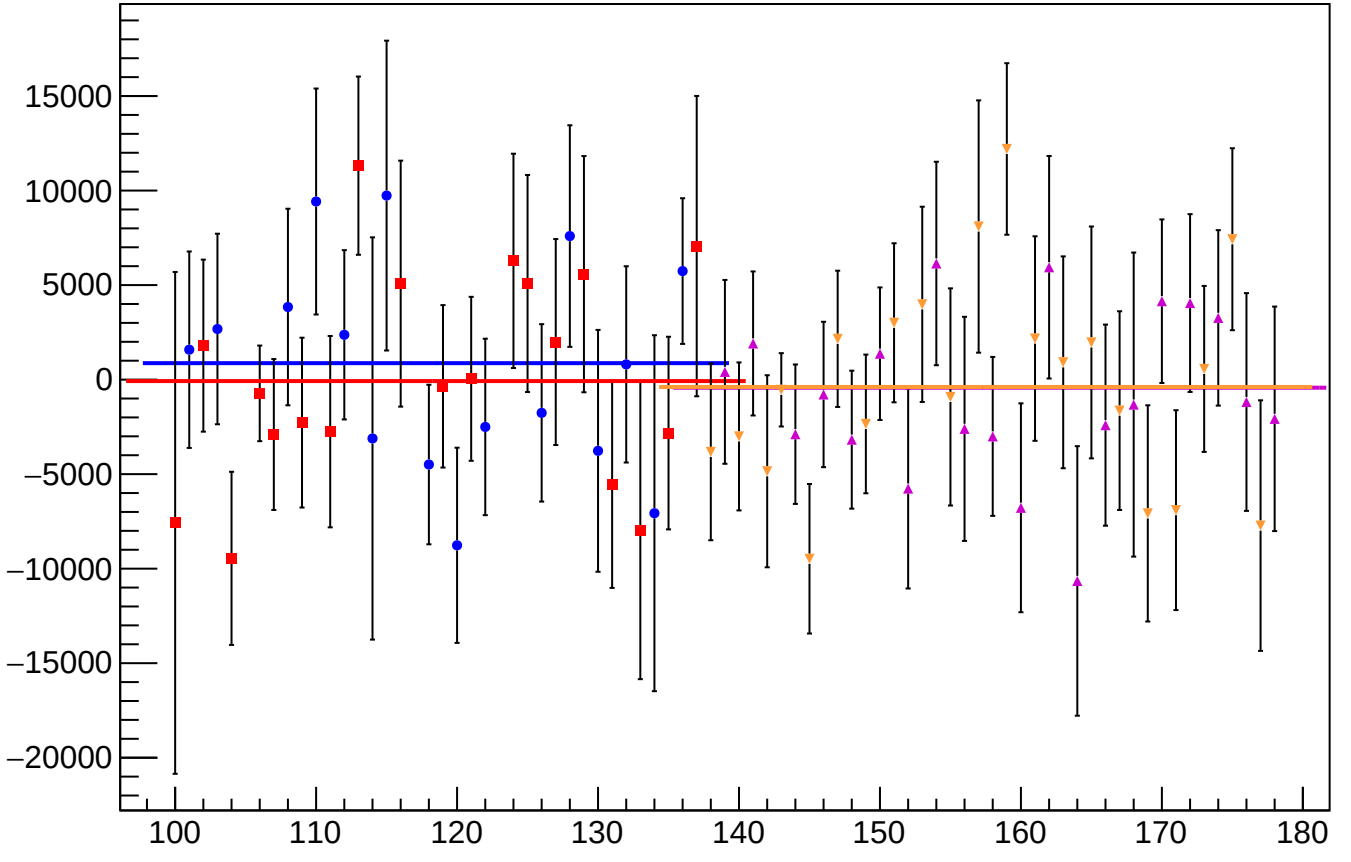
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1271.206+/-0.186 χ^2/NDF:548661.3/35

Out: 1282.986+/-0.186 χ^2/NDF:496942.5/39

All: 1277.095+/-0.132 χ^2/NDF: 1047603.4/75

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: -428.141+/-1054.120 χ^2/NDF:12.2/19

Left: -406.684+/-700.279 χ^2/NDF: 38.0/40

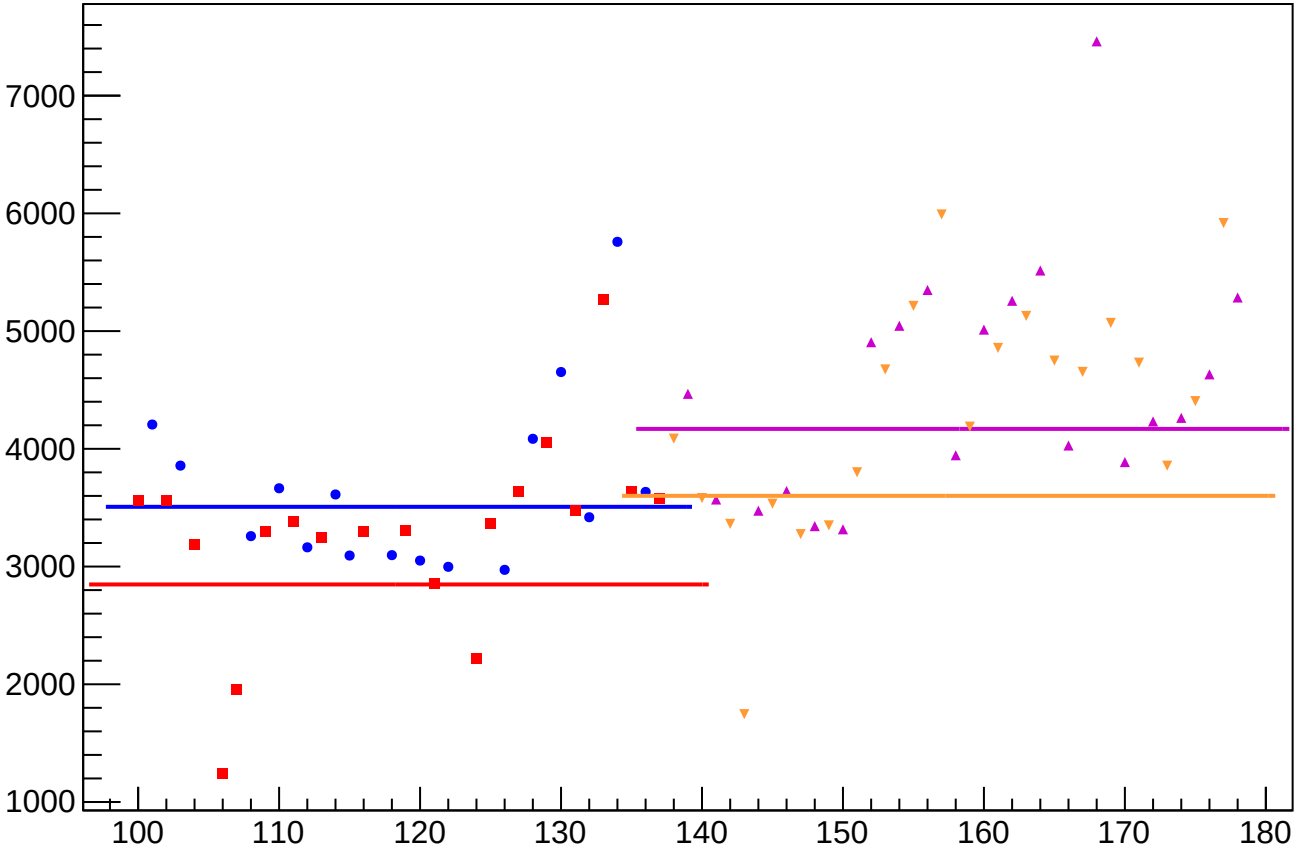
Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: 75.003+/-824.979 χ^2/NDF:26.8/35

Out: -259.908+/-716.246 χ^2/NDF:44.2/39

All: -115.963+/-540.849 χ^2/NDF: 71.1/75

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: 4169.150+/-0.745 χ^2/NDF:1179312.4/19

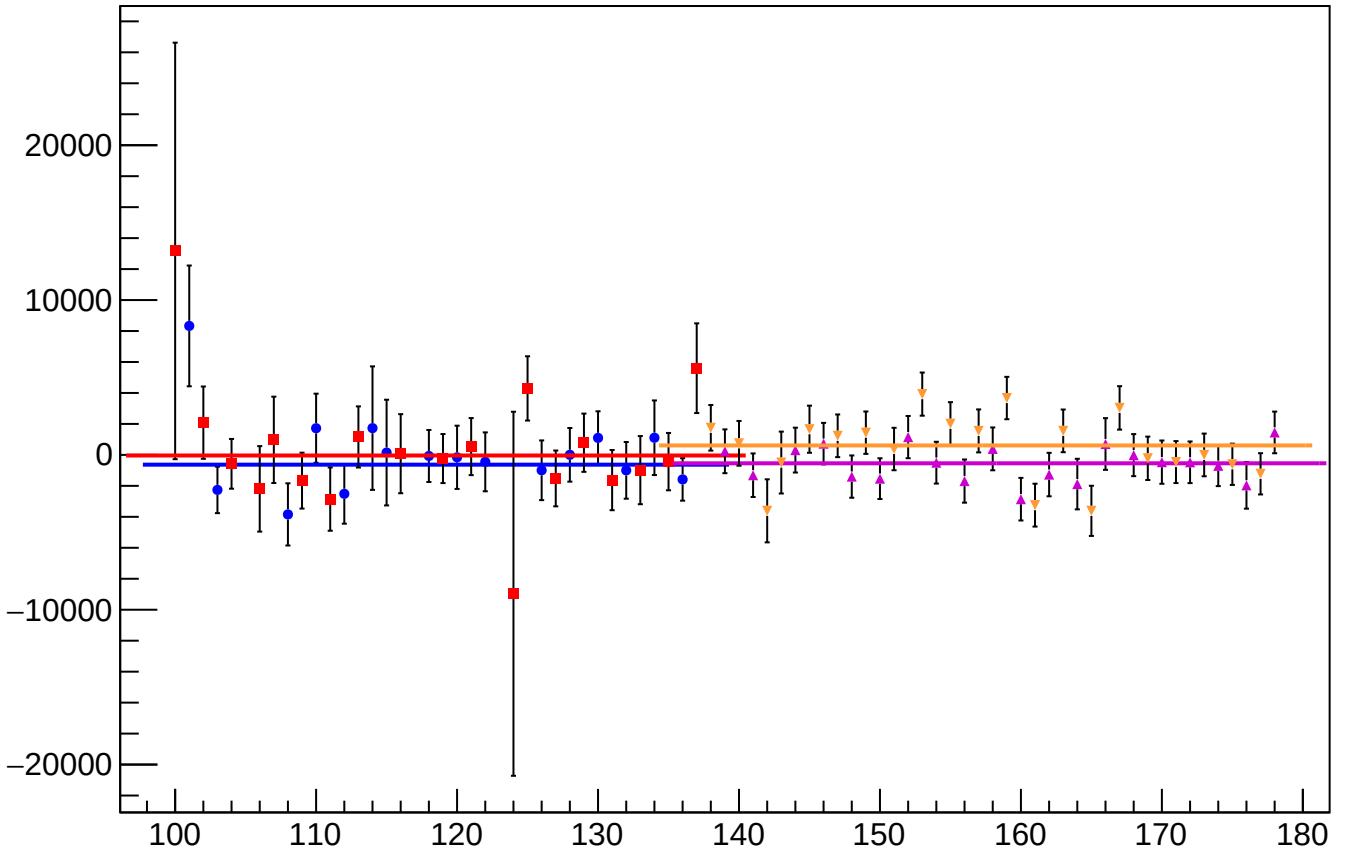
Left: 3851.553+/-0.495 χ^2/NDF: 4862007.8/40

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3912.721+/-0.583 χ^2/NDF:1838722.9/35

Out: 3287.814+/-0.506 χ^2/NDF:5393726.4/39

All: 3556.398+/-0.382 χ^2/NDF: 7886787.1/75



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: -542.923+/-312.722 χ^2/NDF:13.1/19

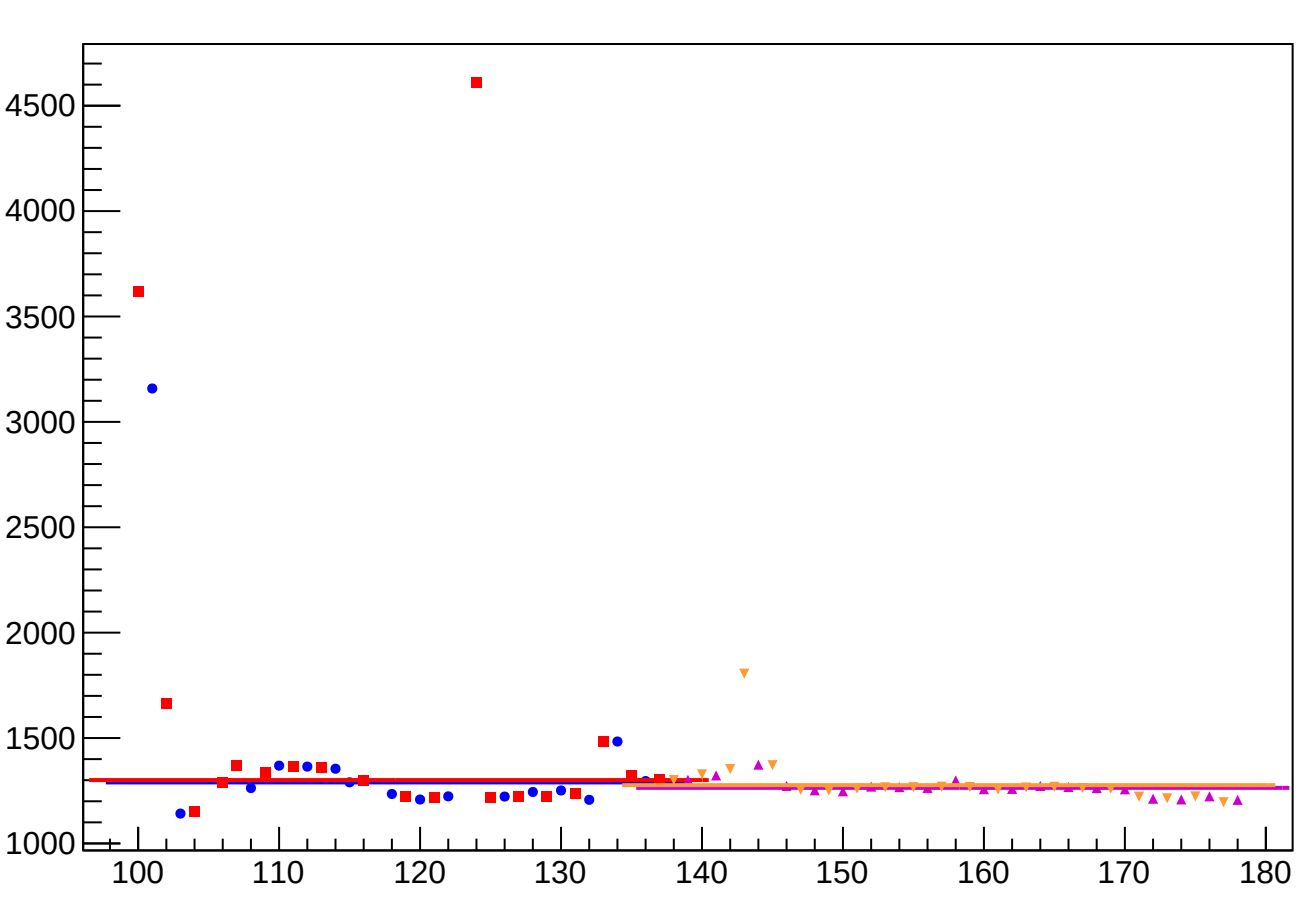
Left: 32.562+/-221.351 χ^2/NDF: 60.2/40

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -568.638+/-263.402 χ^2/NDF:27.0/35

Out: 420.950+/-263.688 χ^2/NDF:57.9/39

All: -74.381+/-186.354 χ^2/NDF: 91.9/75



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: 1263.728+/-0.221 χ^2/NDF:30050.0/19

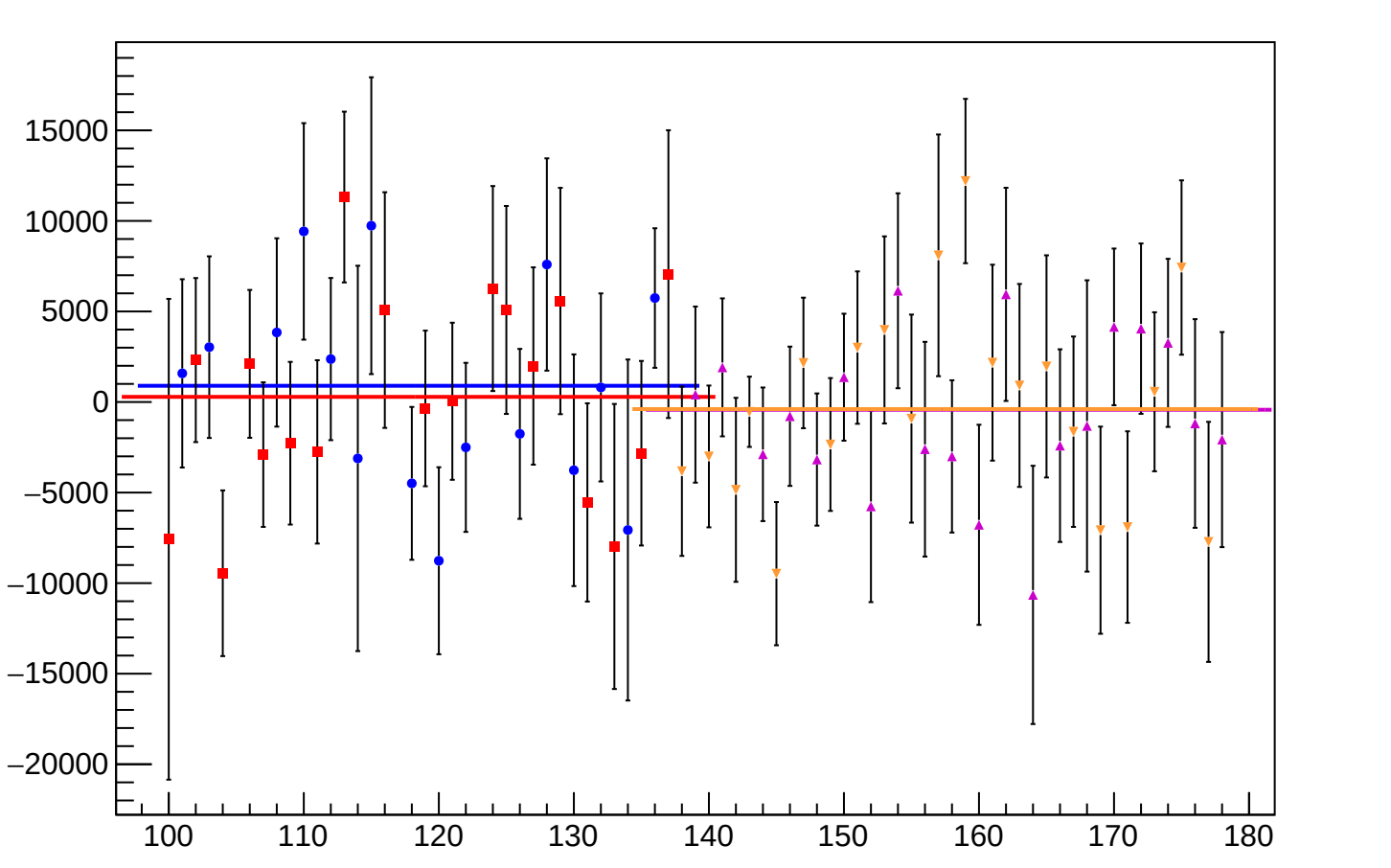
Left: 1270.093+/-0.157 χ^2/NDF: 206342.1/40

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1271.206+/-0.186 χ^2/NDF:548662.7/35

Out: 1283.566+/-0.186 χ^2/NDF:504030.0/39

All: 1277.383+/-0.132 χ^2/NDF: 1054893.4/75



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: -428.148+/-1054.118 χ^2/NDF:12.2/19

Left: -406.651+/-700.278 χ^2/NDF: 38.0/40

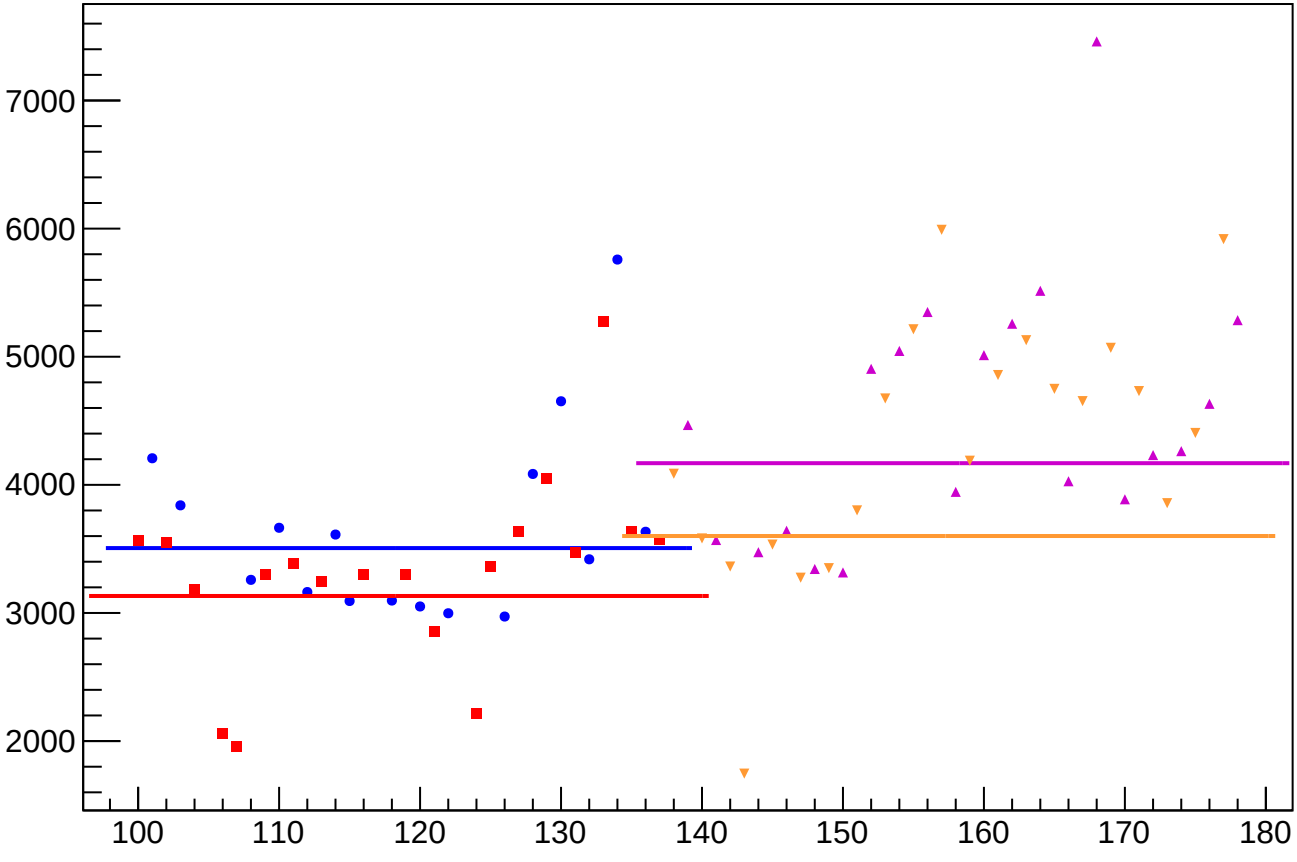
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 85.181+/-824.869 χ^2/NDF:26.9/35

Out: -130.063+/-734.505 χ^2/NDF:44.6/39

All: -34.872+/-548.550 χ^2/NDF: 71.5/75

asym_at1_avg_at2_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3600.654+/-0.662 χ^2/NDF:3357758.5/20

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4169.144+/-0.745 χ^2/NDF:1179312.1/19

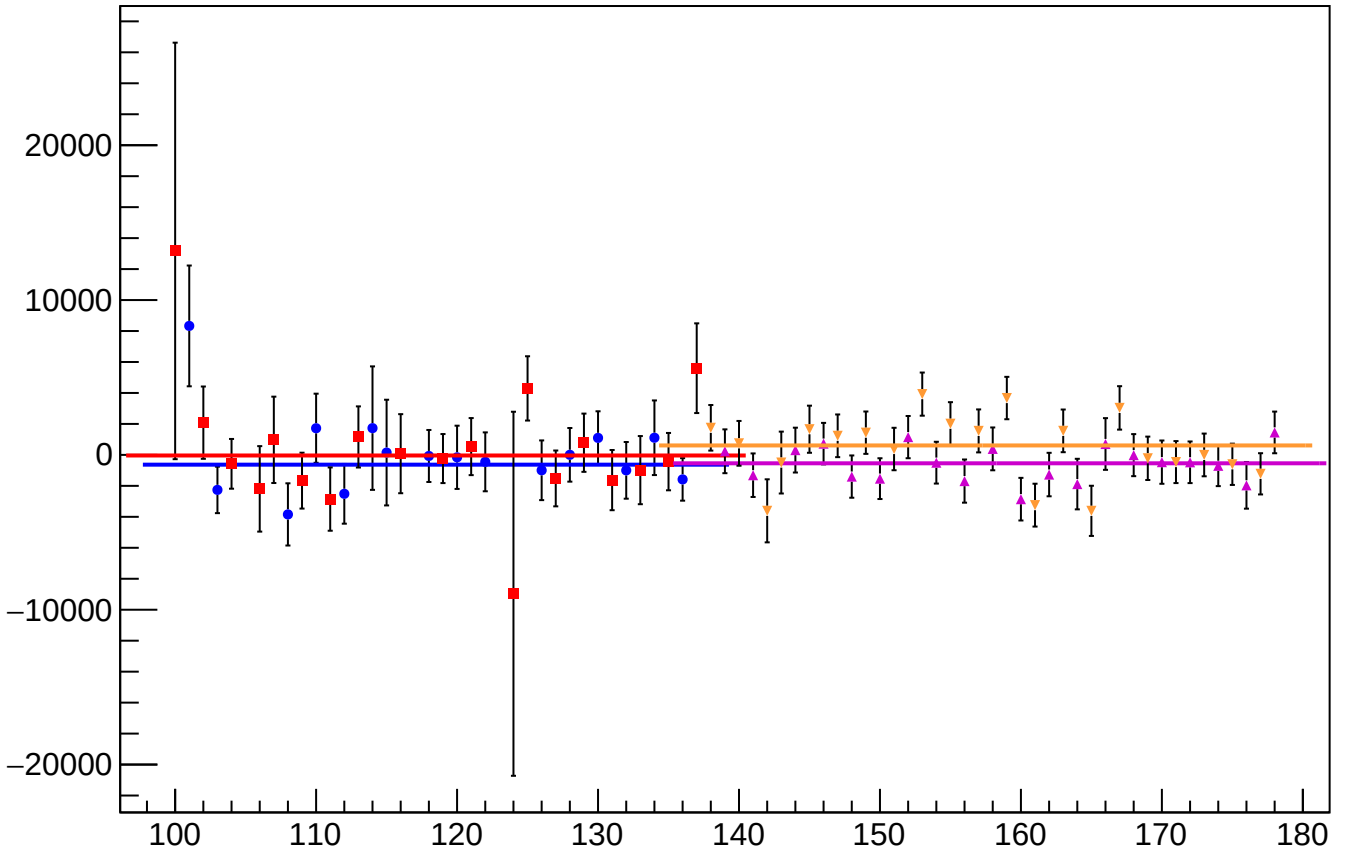
Left: 3851.546+/-0.495 χ^2/NDF: 4862047.7/40

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3912.256+/-0.583 χ^2/NDF:1838948.5/35

Out: 3420.268+/-0.519 χ^2/NDF:4199748.1/39

All: 3637.847+/-0.388 χ^2/NDF: 6435533.0/75



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: -542.923+/-312.722 χ^2/NDF:13.1/19

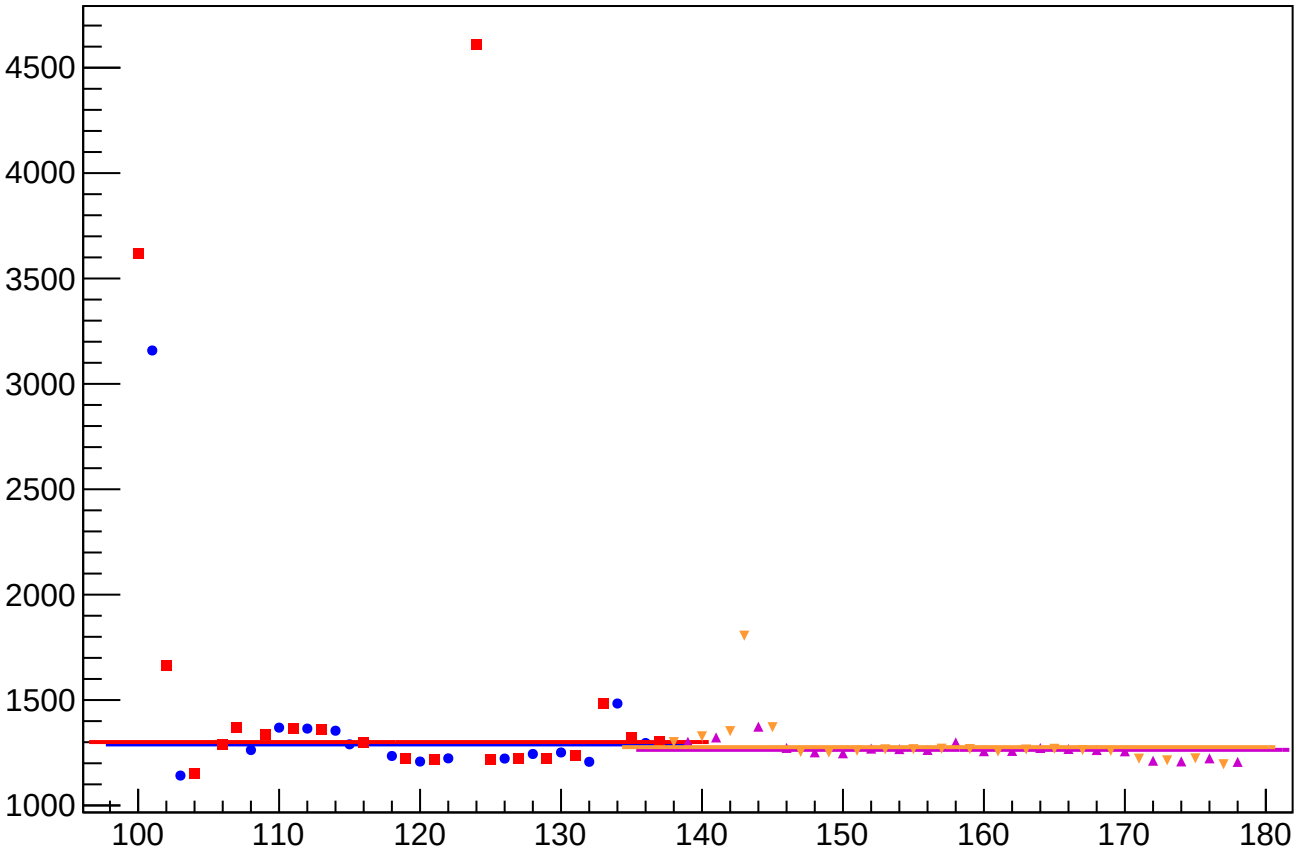
Left: 32.562+/-221.351 χ^2/NDF: 60.2/40

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -568.638+/-263.402 χ^2/NDF:27.0/35

Out: 420.950+/-263.688 χ^2/NDF:57.9/39

All: -74.381+/-186.354 χ^2/NDF: 91.9/75



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: 1263.728+/-0.221 χ^2/NDF:30050.0/19

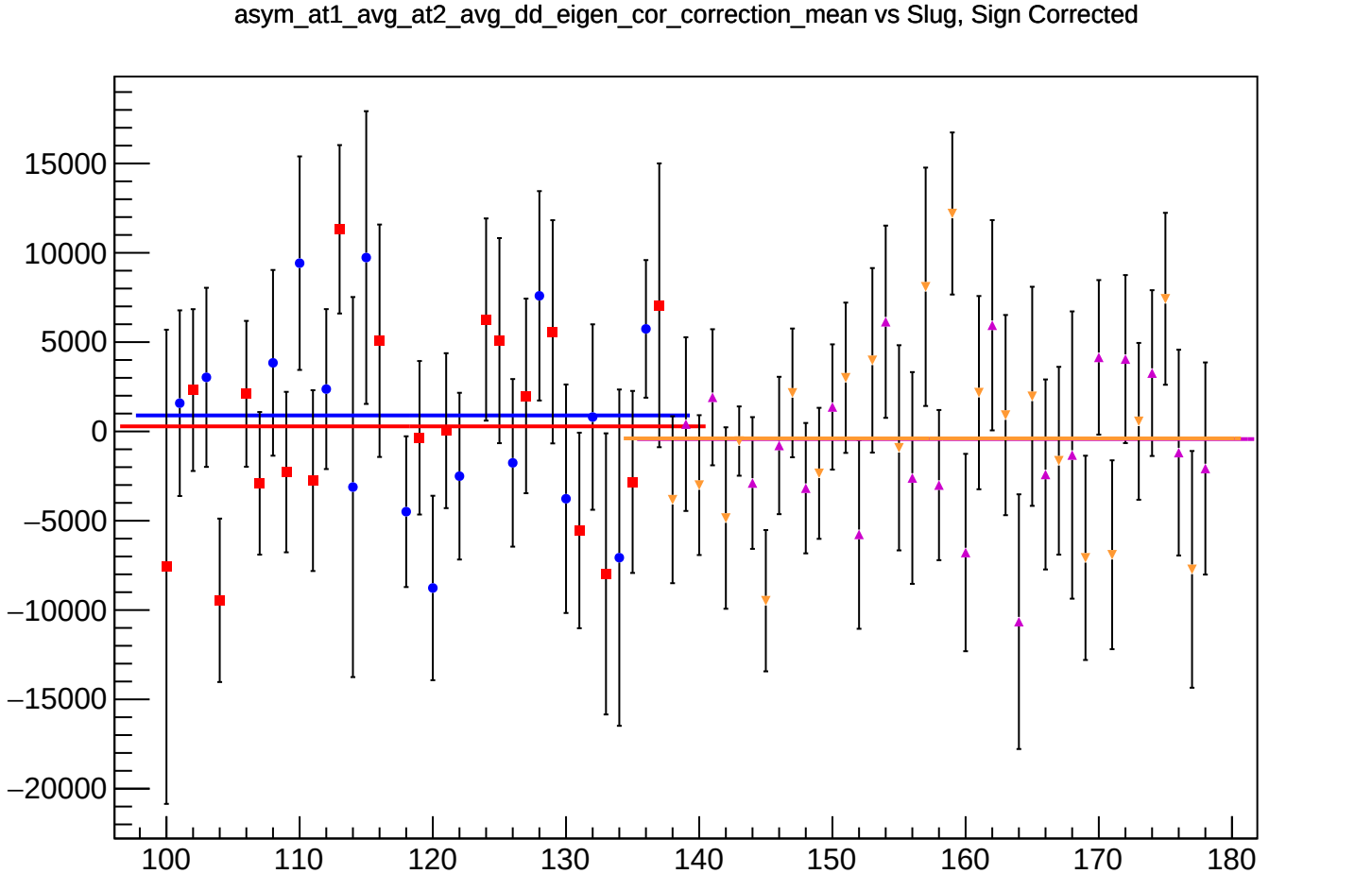
Left: 1270.093+/-0.157 χ^2/NDF: 206342.1/40

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1271.206+/-0.186 χ^2/NDF:548662.7/35

Out: 1283.566+/-0.186 χ^2/NDF:504030.0/39

All: 1277.383+/-0.132 χ^2/NDF: 1054893.4/75



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: -428.148+/-1054.118 χ^2/NDF:12.2/19

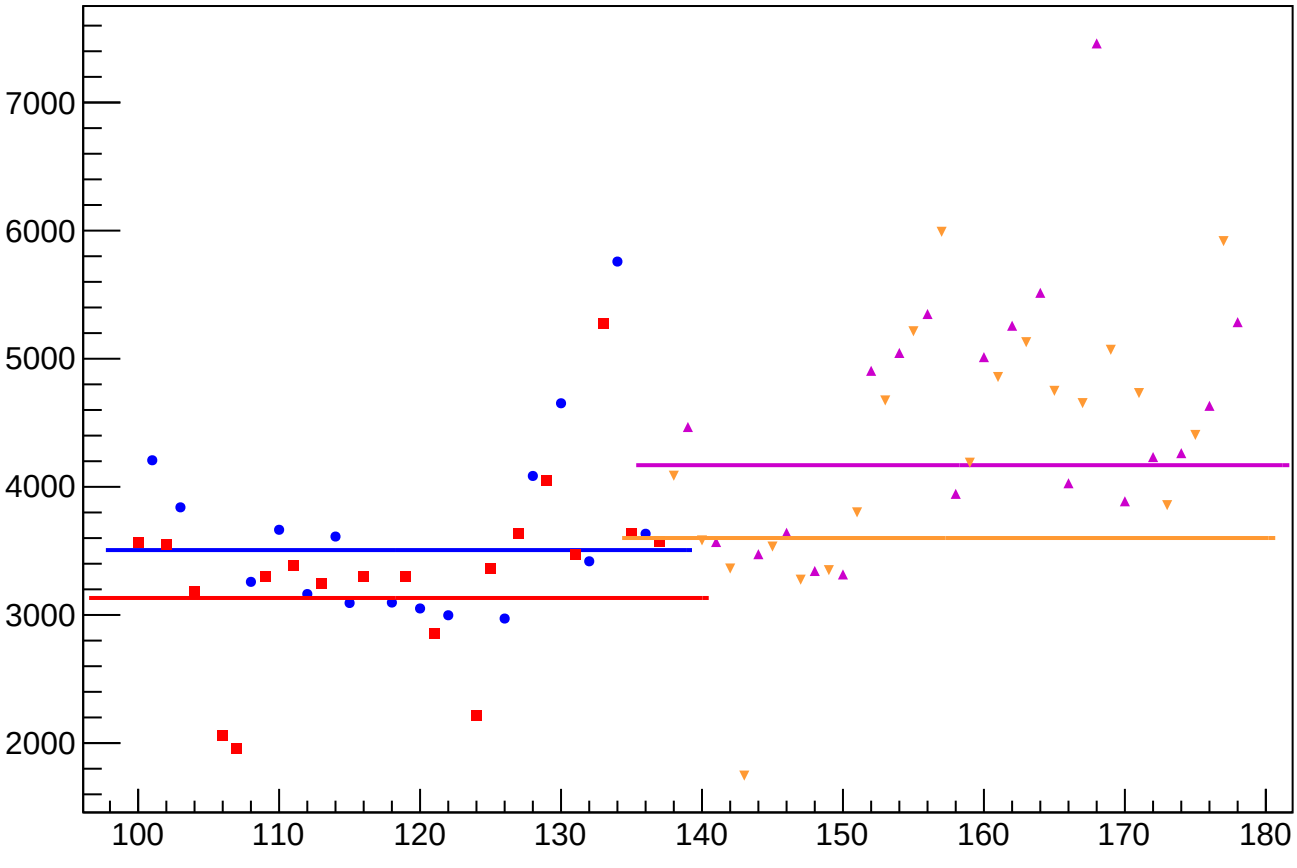
Left: -406.651+/-700.278 χ^2/NDF: 38.0/40

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 85.181+/-824.869 χ^2/NDF:26.9/35

Out: -130.063+/-734.505 χ^2/NDF:44.6/39

All: -34.872+/-548.550 χ^2/NDF: 71.5/75



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: 4169.144+/-0.745 χ^2/NDF:1179312.1/19

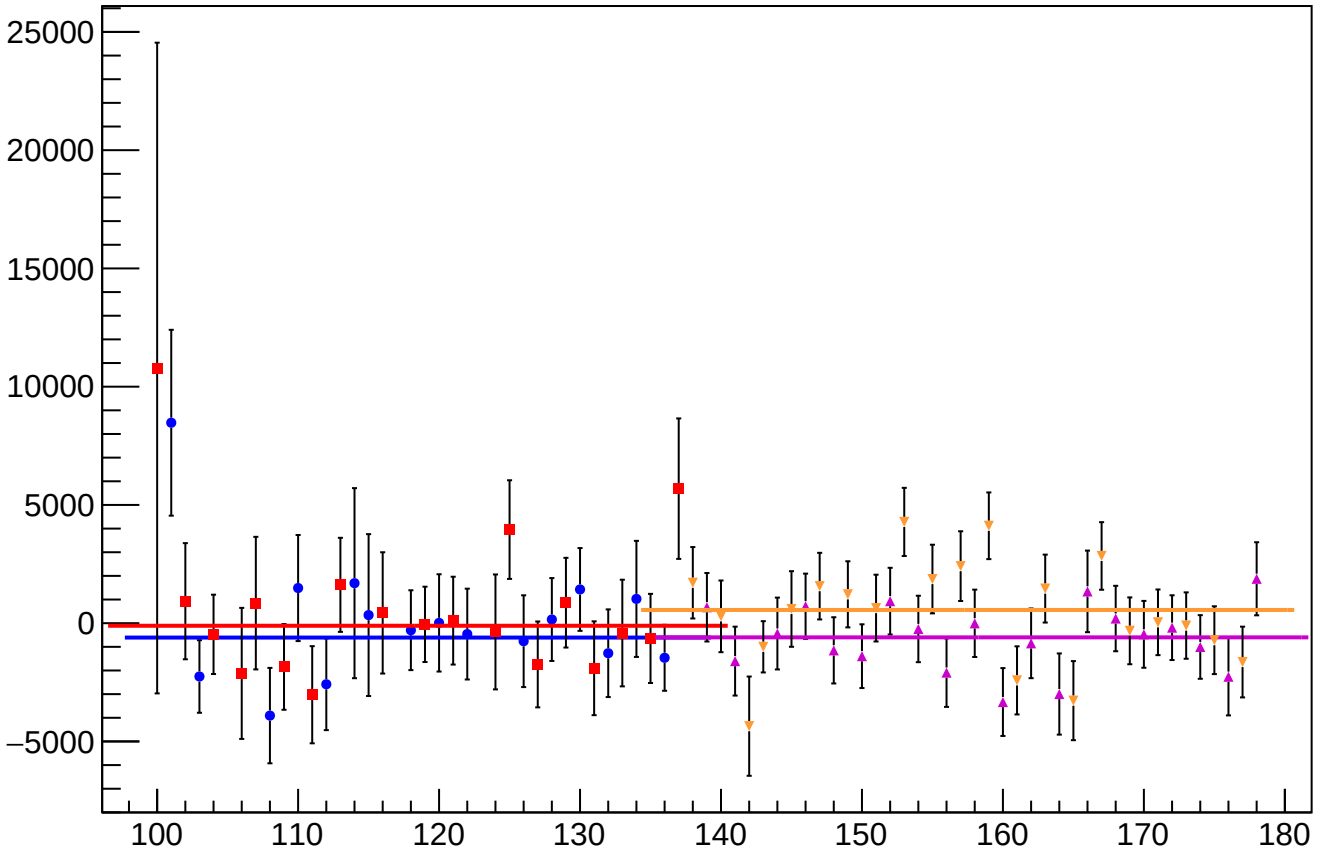
Left: 3851.546+/-0.495 χ^2/NDF: 4862047.7/40

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3912.256+/-0.583 χ^2/NDF:1838948.5/35

Out: 3420.268+/-0.519 χ^2/NDF:4199748.1/39

All: 3637.847+/-0.388 χ^2/NDF: 6435533.0/75



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: -599.425+/-324.930 χ^2/NDF:16.2/19

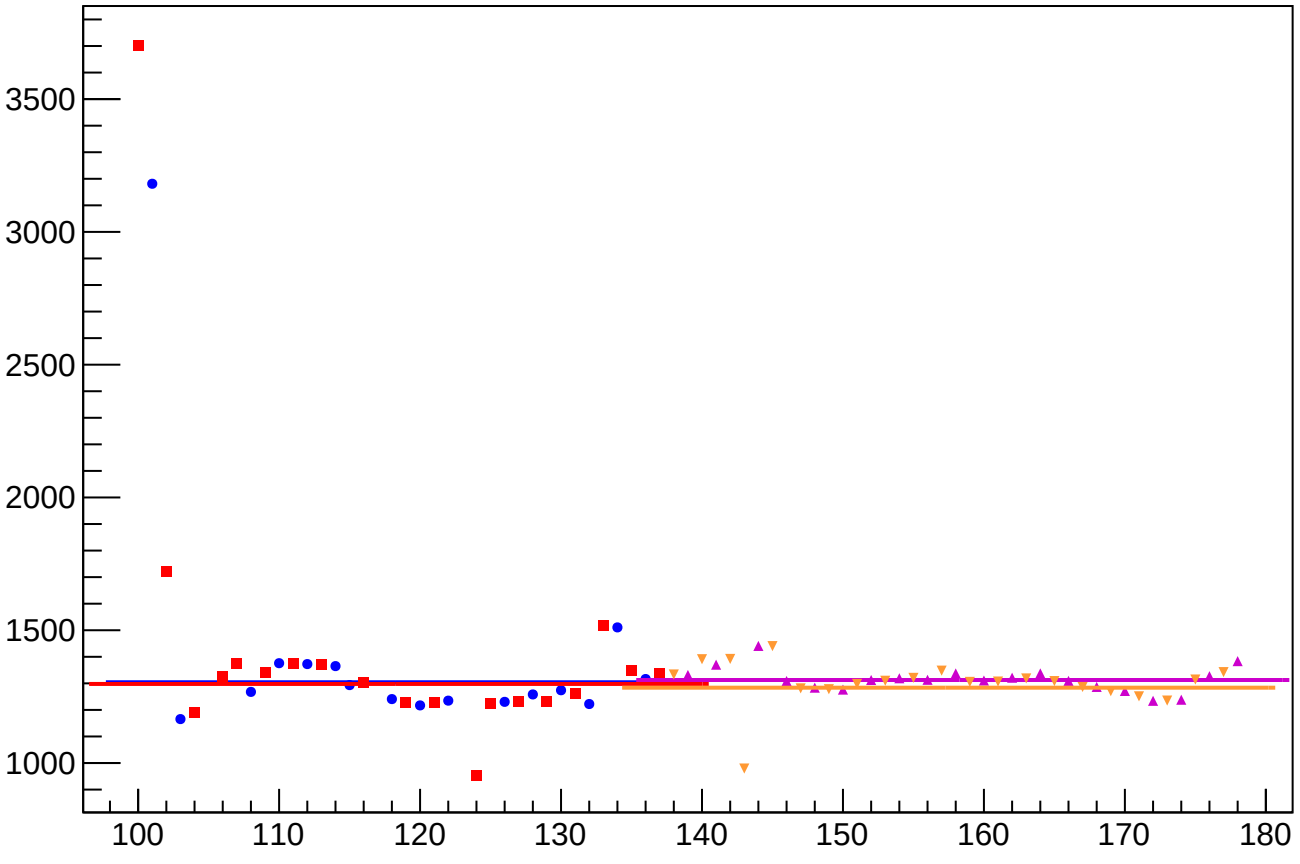
Left: -2.859+/-226.296 χ^2/NDF: 63.2/40

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -601.963+/-271.500 χ^2/NDF:30.3/35

Out: 360.968+/-264.466 χ^2/NDF:56.7/39

All: -107.862+/-189.443 χ^2/NDF: 93.4/75



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: 1312.637+/-0.230 χ^2/NDF:40645.3/19

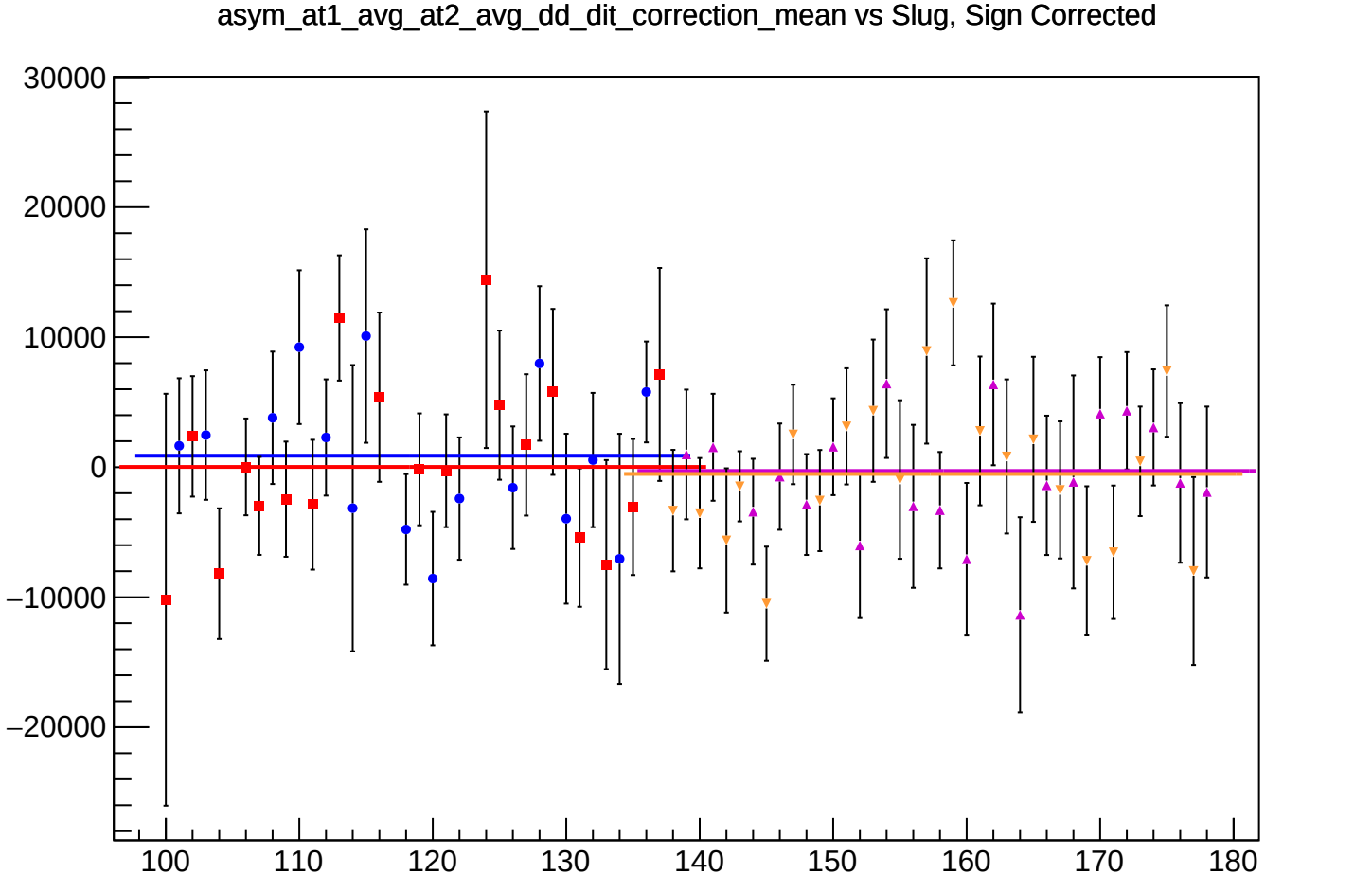
Left: 1297.735+/-0.160 χ^2/NDF: 259524.8/40

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1310.061+/-0.192 χ^2/NDF:551651.2/35

Out: 1287.885+/-0.187 χ^2/NDF:424994.4/39

All: 1298.680+/-0.134 χ^2/NDF: 983493.4/75



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: -287.074+/-1104.132 χ^2/NDF:12.1/19

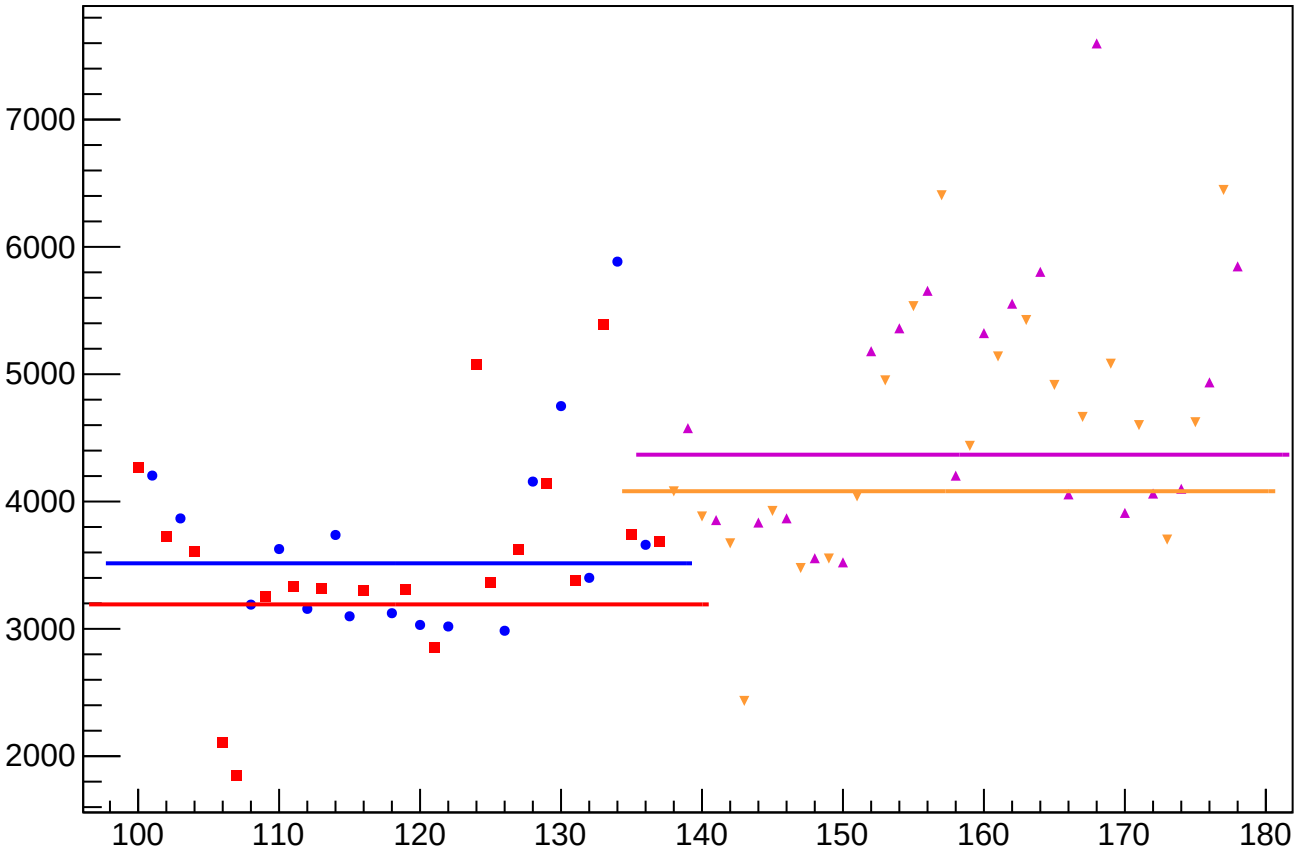
Left: -409.826+/-755.037 χ^2/NDF: 37.7/40

Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 191.856+/-848.857 χ^2/NDF:26.6/35

Out: -288.063+/-783.671 χ^2/NDF:42.5/39

All: -67.236+/-575.807 χ^2/NDF: 69.3/75



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: 4367.880+/-0.781 χ^2/NDF:1153249.4/19

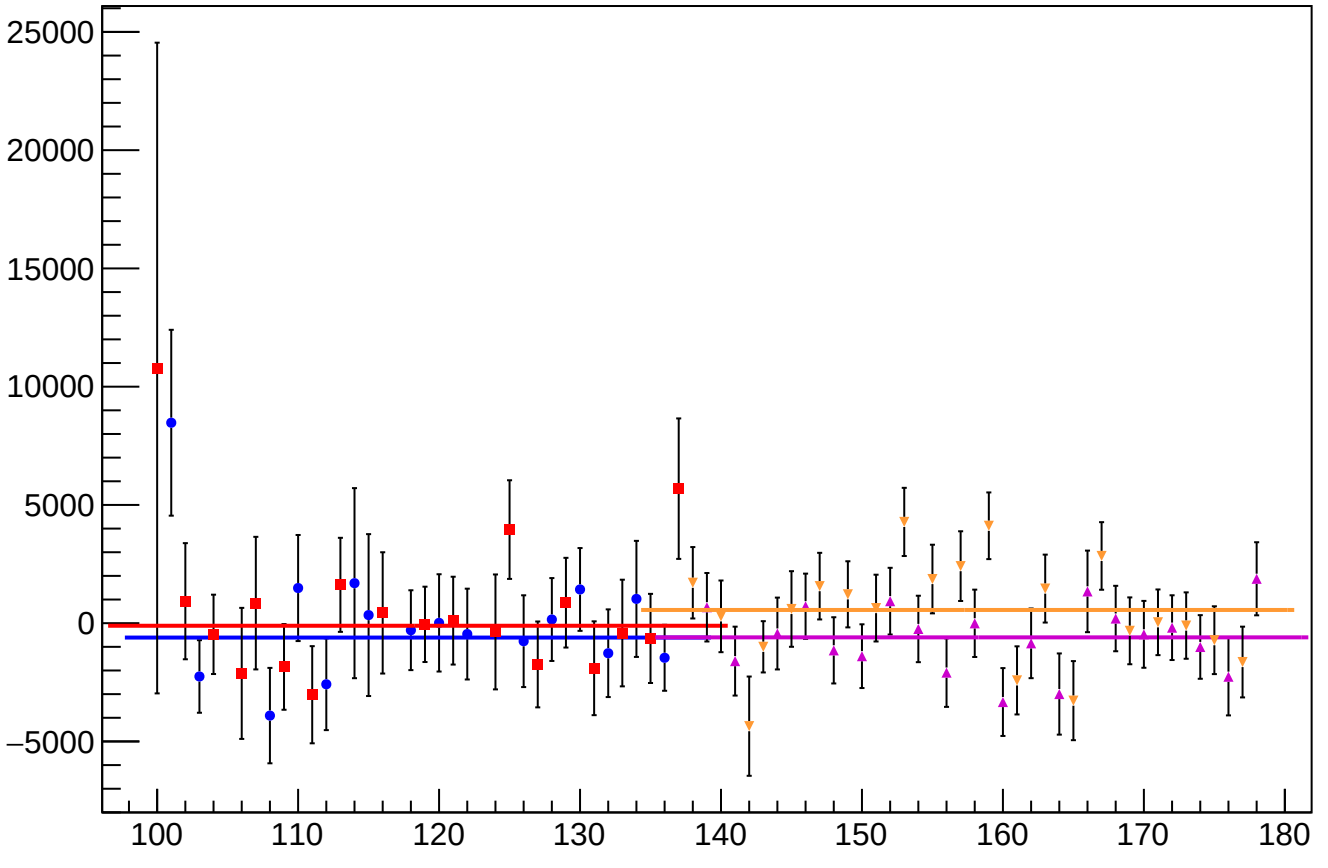
Left: 4215.160+/-0.534 χ^2/NDF: 3029081.8/40

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 4018.994+/-0.600 χ^2/NDF:2016630.0/35

Out: 3701.960+/-0.554 χ^2/NDF:3205716.7/39

All: 3847.838+/-0.407 χ^2/NDF: 5372958.0/75



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: -599.428+/-324.930 χ^2/NDF:16.2/19

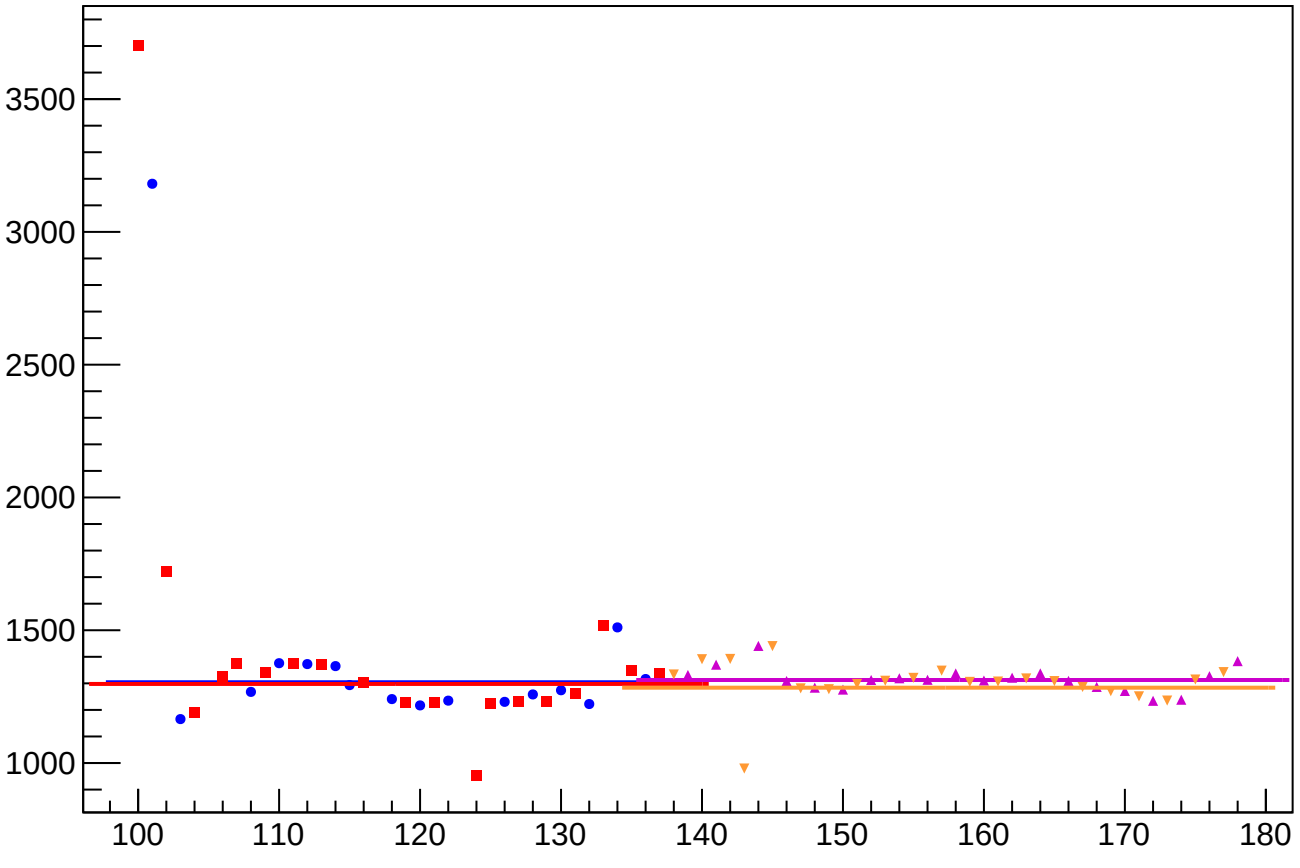
Left: -2.859+/-226.296 χ^2/NDF: 63.2/40

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -601.965+/-271.500 χ^2/NDF:30.3/35

Out: 360.968+/-264.466 χ^2/NDF:56.7/39

All: -107.863+/-189.444 χ^2/NDF: 93.4/75



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: 1312.638+/-0.230 χ^2/NDF:40647.2/19

Left: 1297.736+/-0.160 χ^2/NDF: 259528.4/40

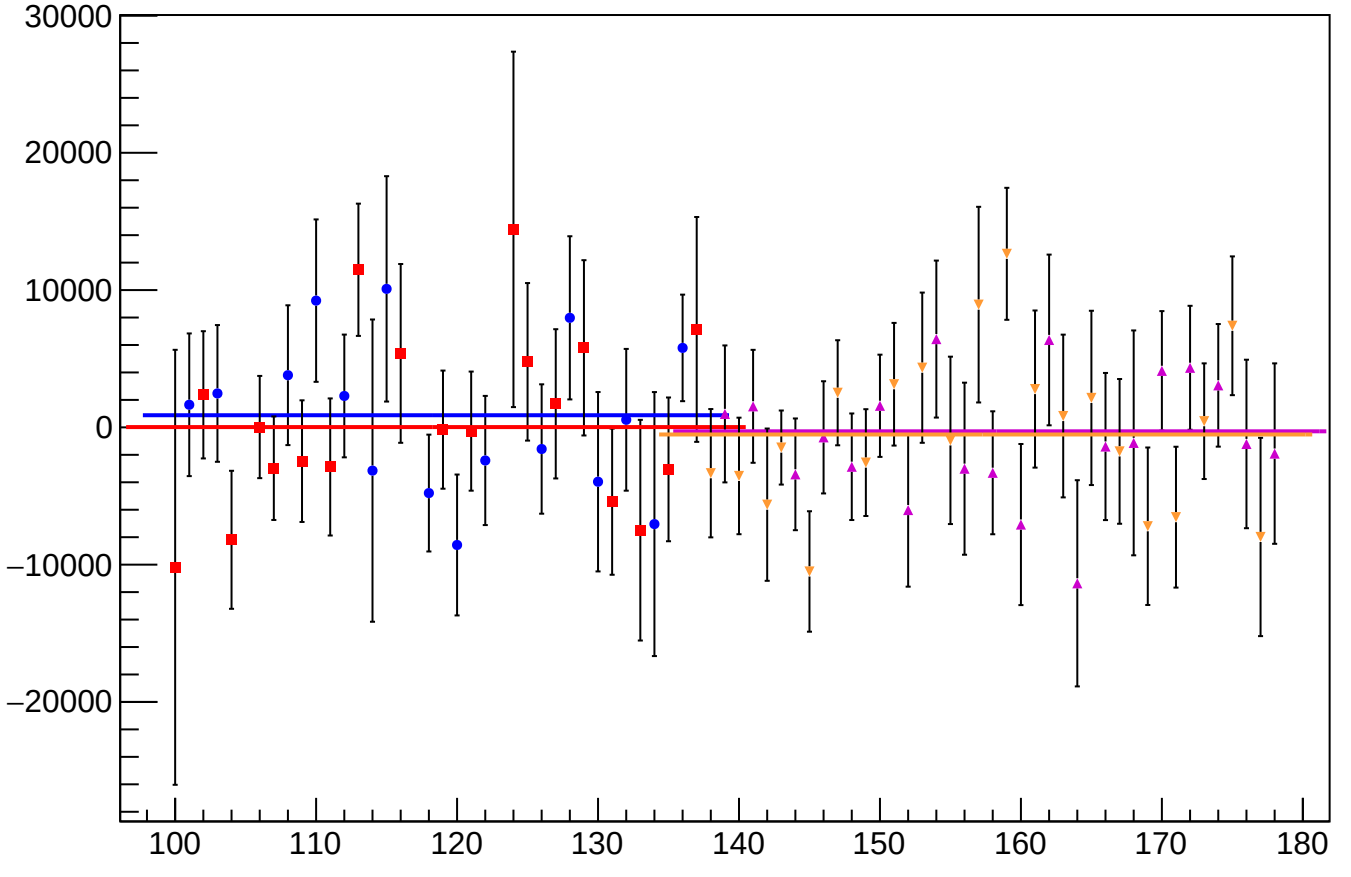
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1310.062+/-0.192 χ^2/NDF:551653.3/35

Out: 1287.886+/-0.187 χ^2/NDF:424996.0/39

All: 1298.680+/-0.134 χ^2/NDF: 983497.2/75

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: -287.074+/-1104.134 χ^2/NDF:12.1/19

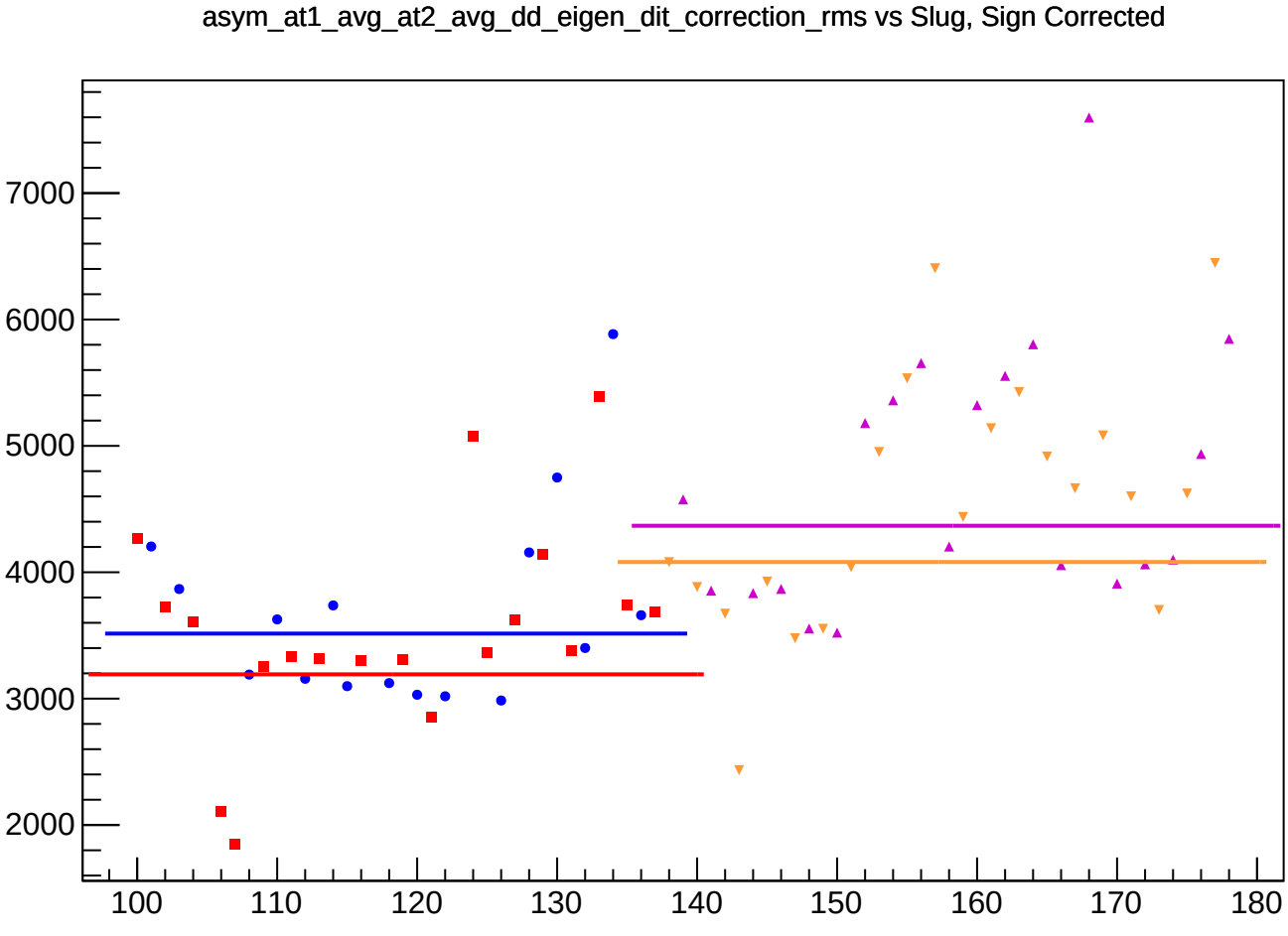
Left: -409.825+/-755.038 χ^2/NDF: 37.7/40

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 191.854+/-848.857 χ^2/NDF:26.6/35

Out: -288.063+/-783.670 χ^2/NDF:42.5/39

All: -67.237+/-575.807 χ^2/NDF: 69.3/75



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: 4367.886+/-0.781 χ^2/NDF:1153252.5/19

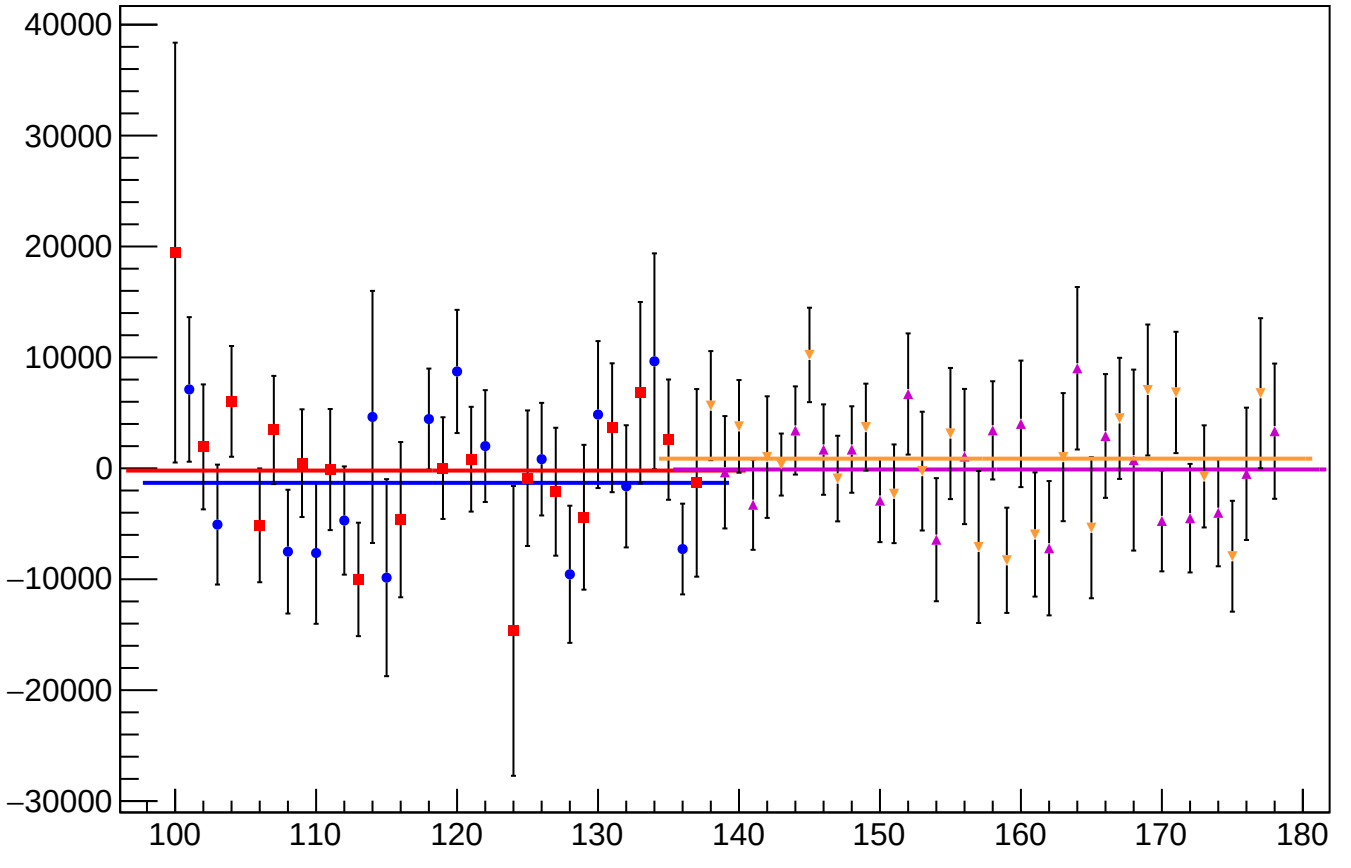
Left: 4215.166+/-0.534 χ^2/NDF: 3029086.3/40

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 4018.992+/-0.600 χ^2/NDF:2016656.0/35

Out: 3701.959+/-0.554 χ^2/NDF:3205741.6/39

All: 3847.836+/-0.407 χ^2/NDF: 5373008.8/75



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: -102.716+/-1107.223 χ^2/NDF:12.5/19

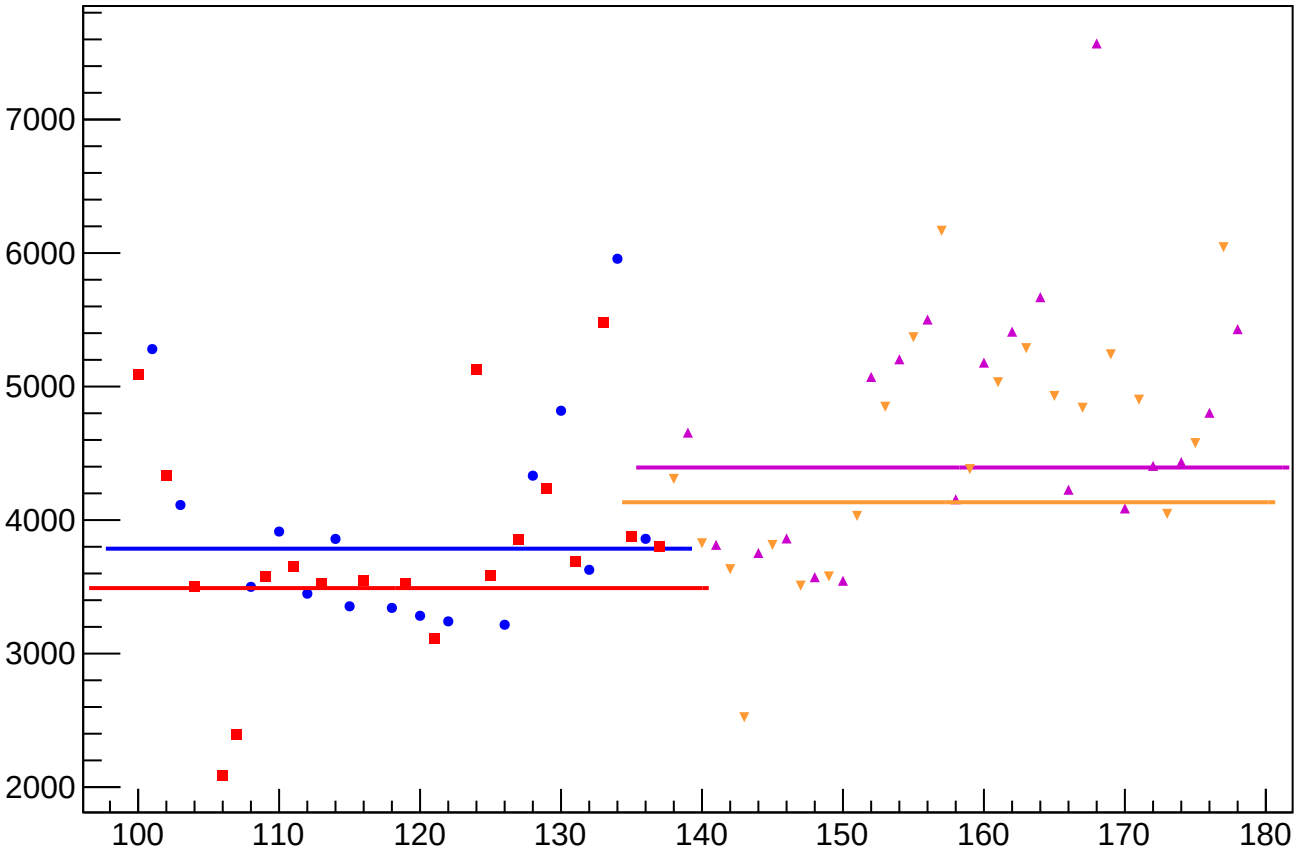
Left: 414.791+/-759.369 χ^2/NDF: 34.9/40

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -554.332+/-875.842 χ^2/NDF:30.5/35

Out: 466.749+/-822.360 χ^2/NDF:34.0/39

All: -11.666+/-599.512 χ^2/NDF: 65.2/75



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: 4393.657+/-0.783 χ^2/NDF:1004815.9/19

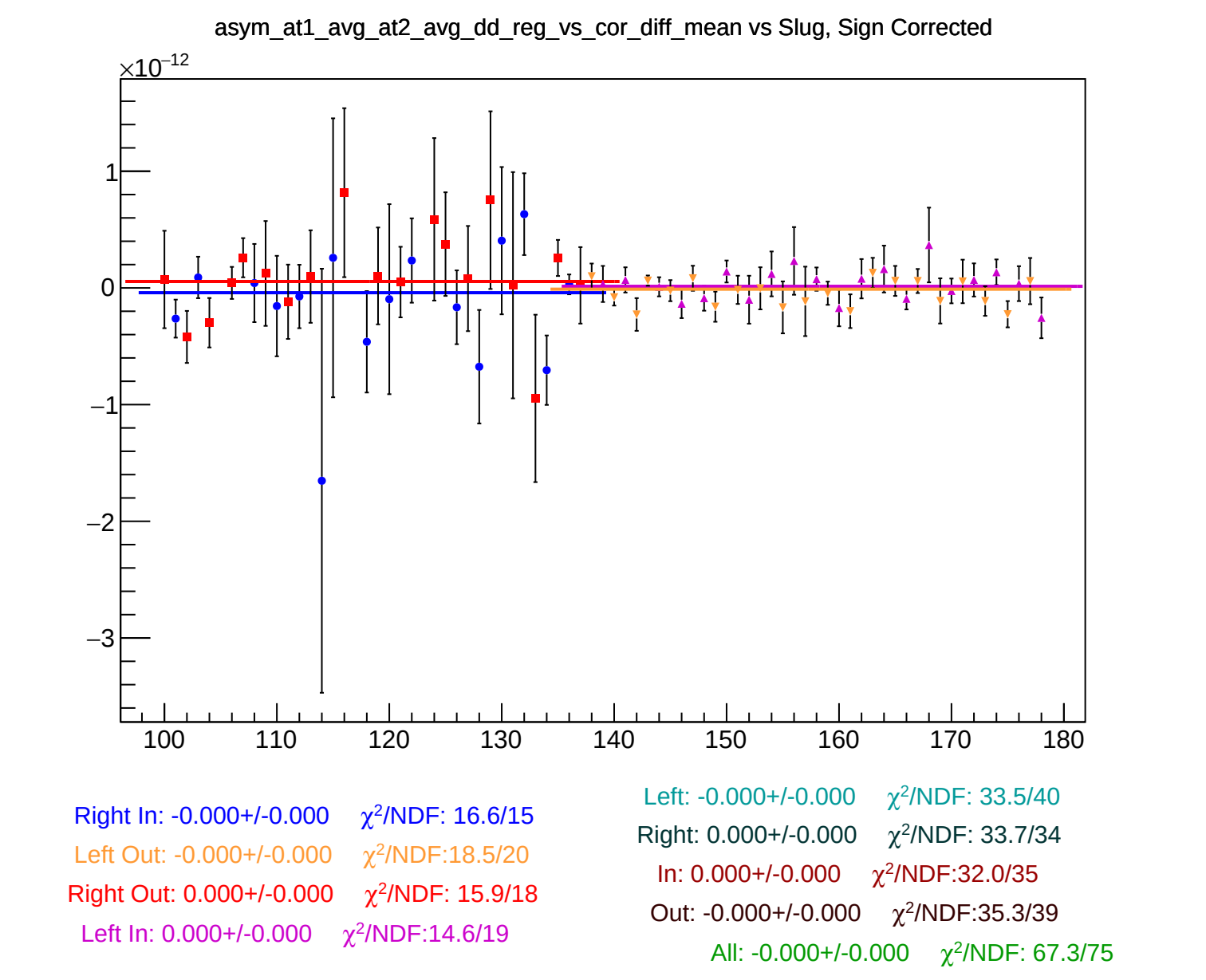
Left: 4255.878+/-0.537 χ^2/NDF: 2649155.0/40

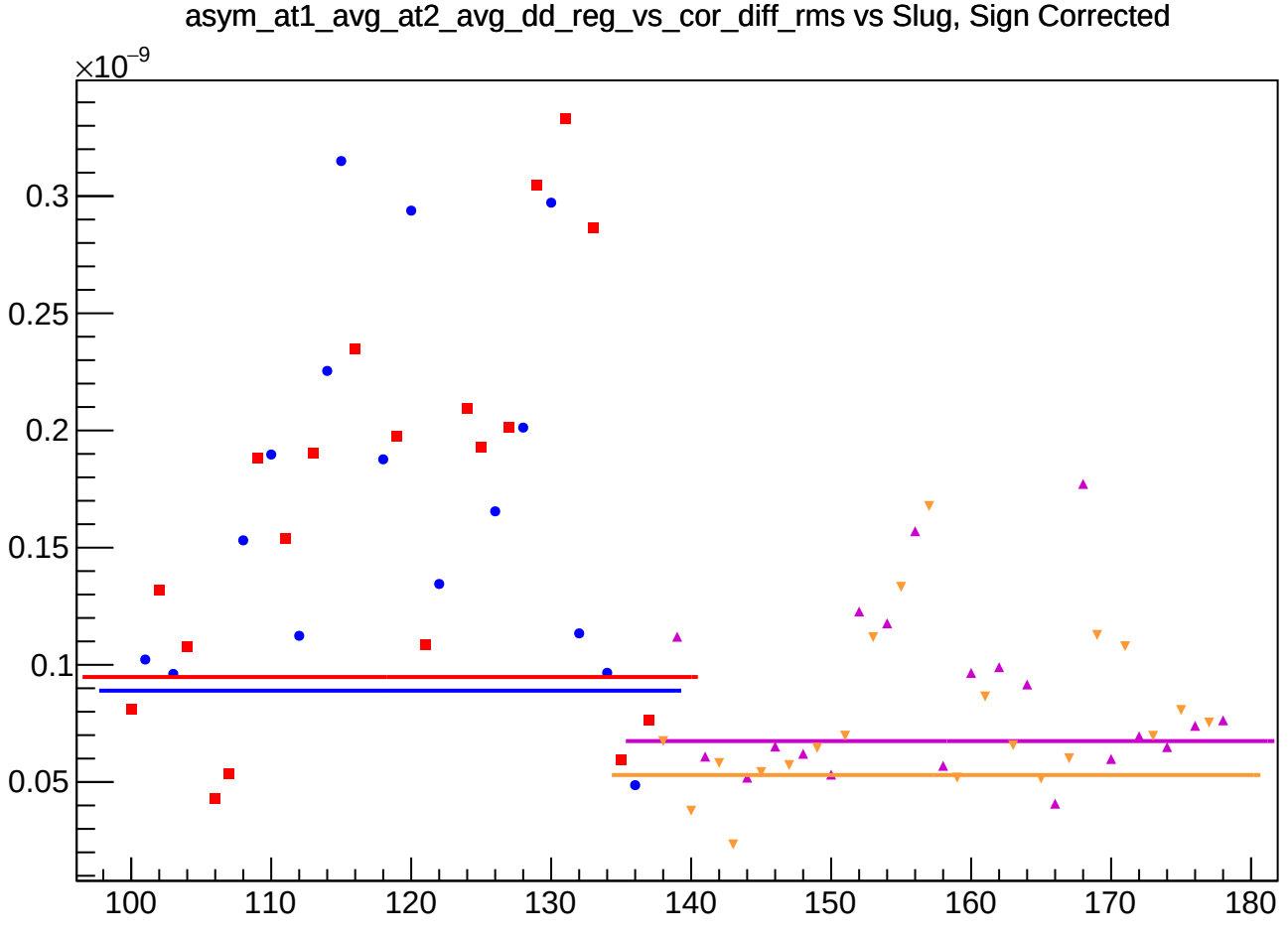
Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4166.138+/-0.619 χ^2/NDF:1613440.0/35

Out: 3885.783+/-0.578 χ^2/NDF:2465150.4/39

All: 4016.408+/-0.423 χ^2/NDF: 4188035.1/75


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
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:14.6/19
Left: -0.000+/-0.000 χ²/NDF: 33.5/40
Right: 0.000+/-0.000 χ²/NDF: 33.7/34
In: 0.000+/-0.000 χ²/NDF:32.0/35
Out: -0.000+/-0.000 χ²/NDF:35.3/39
All: -0.000+/-0.000 χ²/NDF: 67.3/75



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:1385441.0/19

Left: 0.000+/-0.000 χ^2/NDF: 4242708.1/40

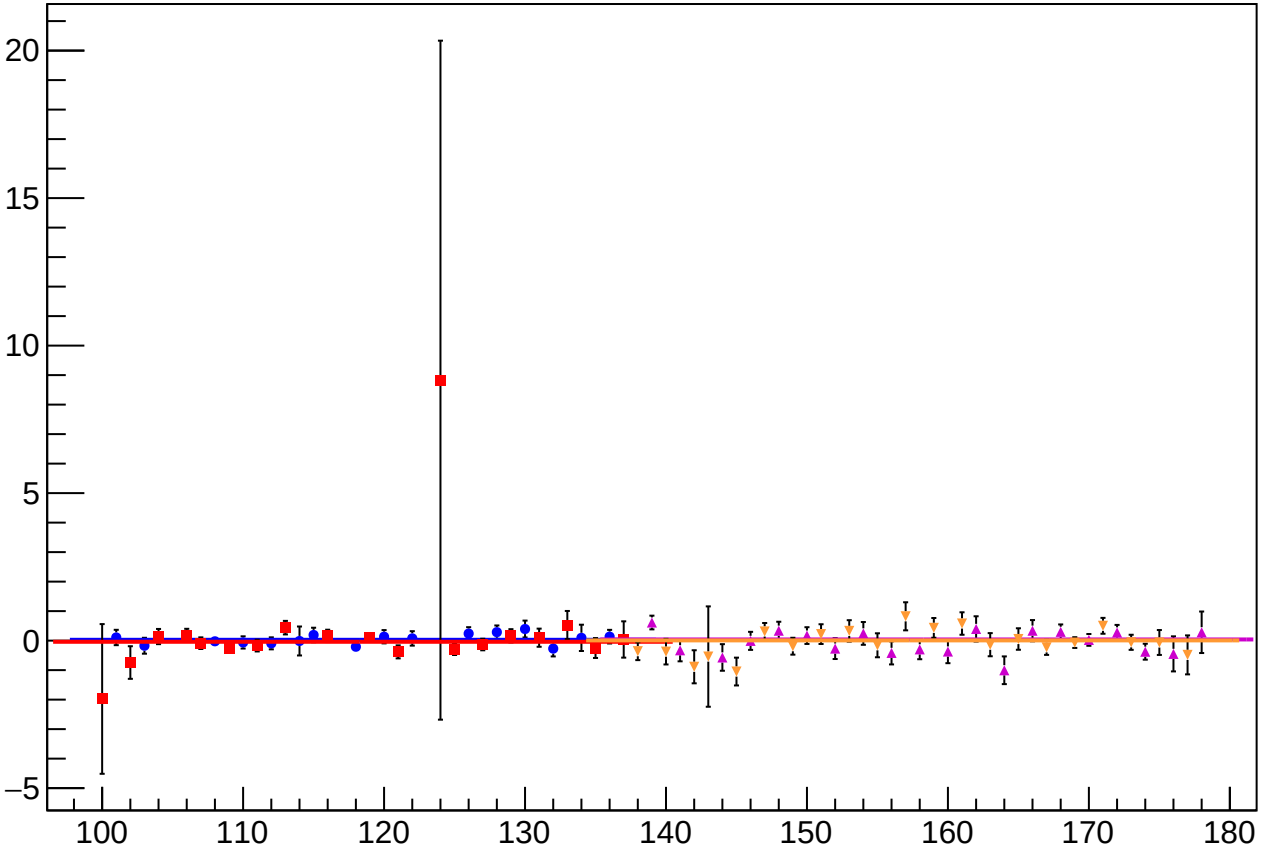
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:3061986.9/35

Out: 0.000+/-0.000 χ^2/NDF:5037116.3/39

All: 0.000+/-0.000 χ^2/NDF: 8425864.5/75

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: 0.040+/-0.072 χ^2/NDF:26.0/19

Left: 0.024+/-0.051 χ^2/NDF: 50.9/40

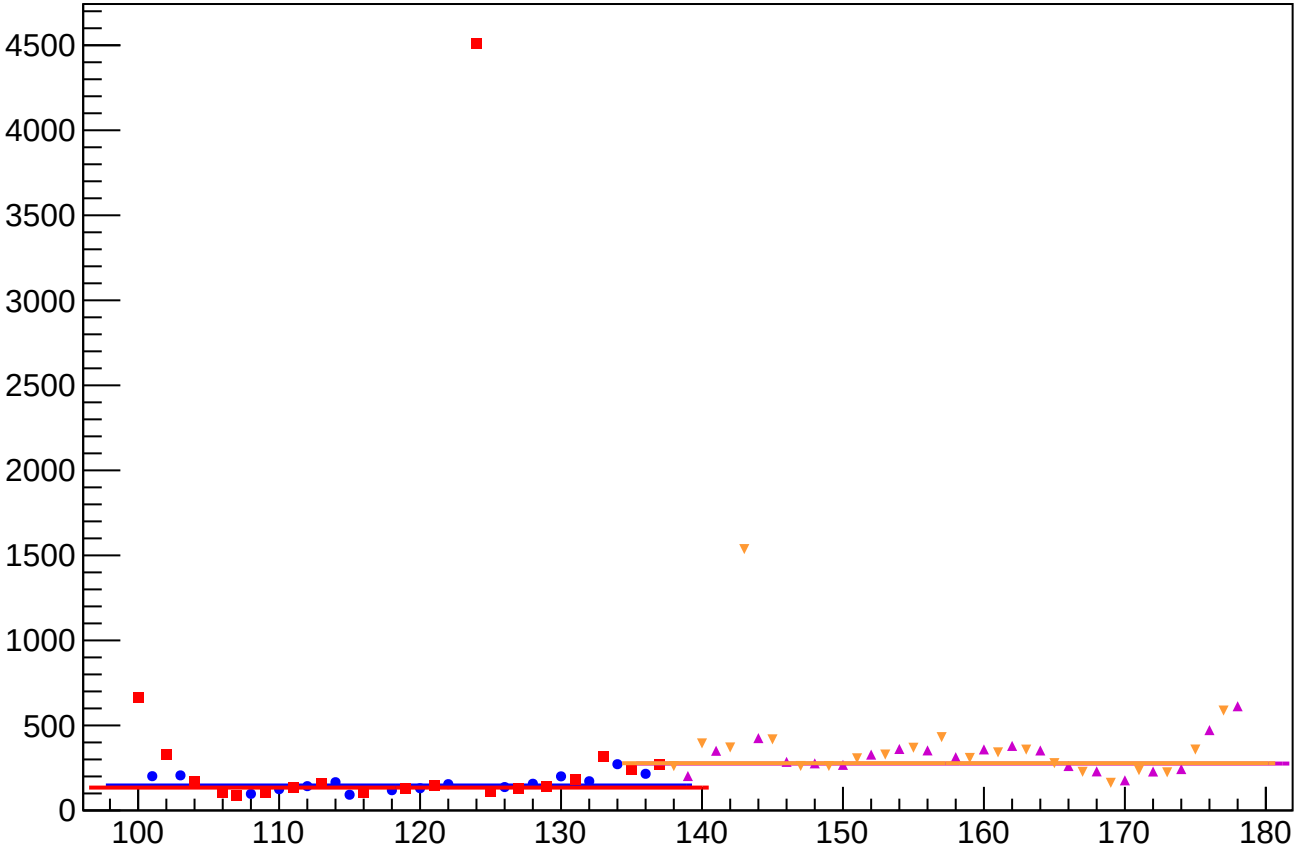
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.032+/-0.045 χ^2/NDF:35.4/35

Out: -0.022+/-0.044 χ^2/NDF:45.1/39

All: 0.004+/-0.031 χ^2/NDF: 81.3/75

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: 275.800+/-0.051 χ^2/NDF:2341639.7/19

Left: 276.816+/-0.036 χ^2/NDF: 5879196.0/40

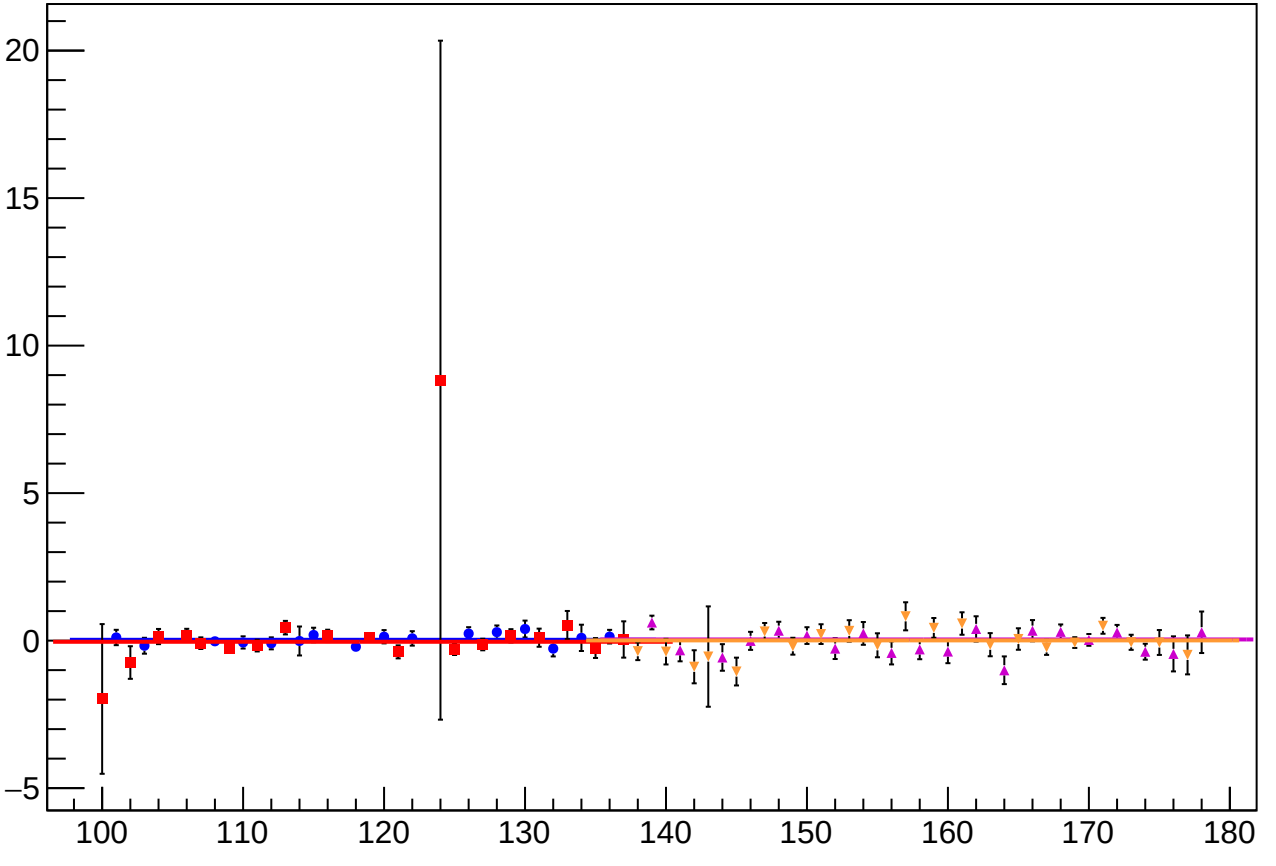
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 197.389+/-0.032 χ^2/NDF:7257238.9/35

Out: 186.188+/-0.031 χ^2/NDF:10081368.0/39

All: 191.639+/-0.022 χ^2/NDF: 17402242.1/75

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: 0.040+/-0.072 χ^2/NDF:26.0/19

Left: 0.024+/-0.051 χ^2/NDF: 50.9/40

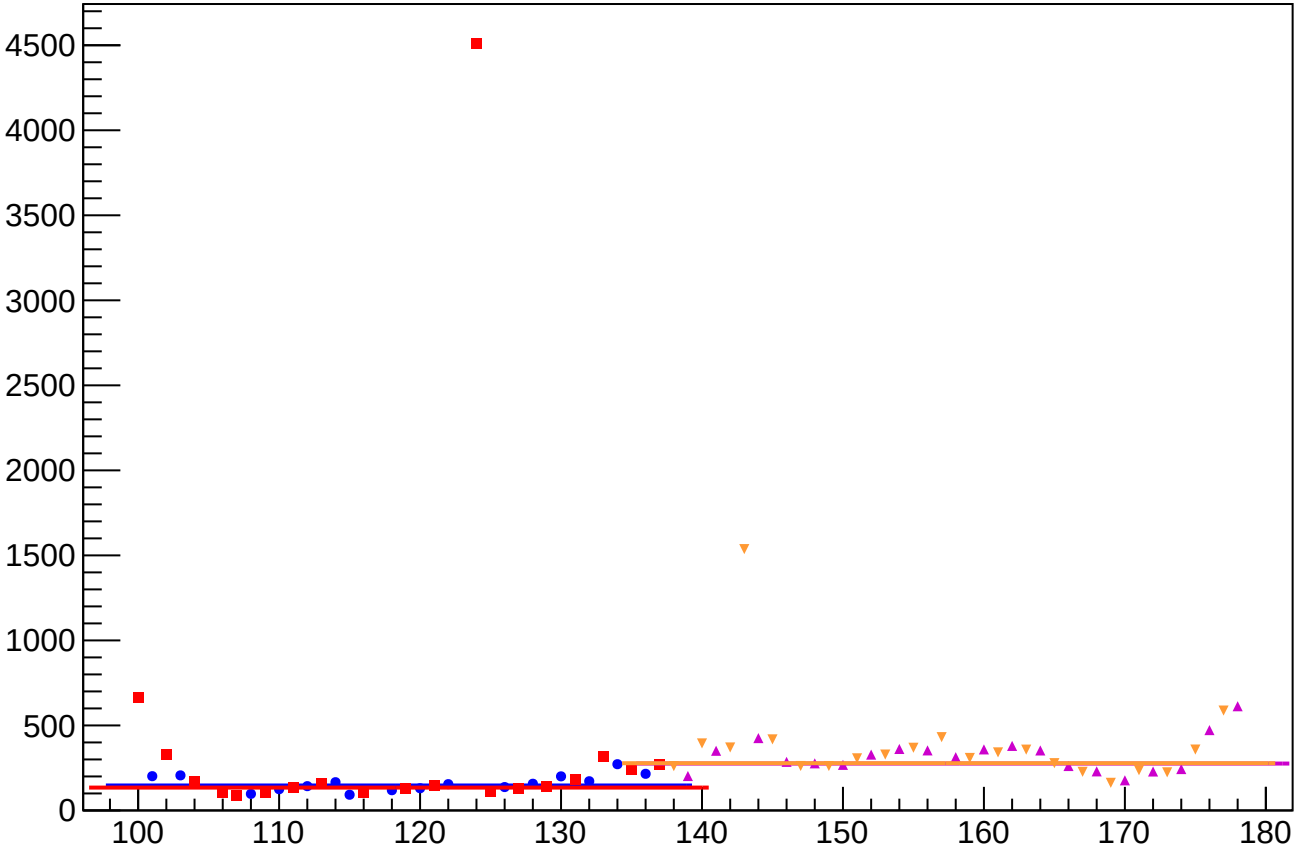
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.032+/-0.045 χ^2/NDF:35.4/35

Out: -0.022+/-0.044 χ^2/NDF:45.1/39

All: 0.004+/-0.031 χ^2/NDF: 81.3/75

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: 275.800+/-0.051 χ^2/NDF:2341639.7/19

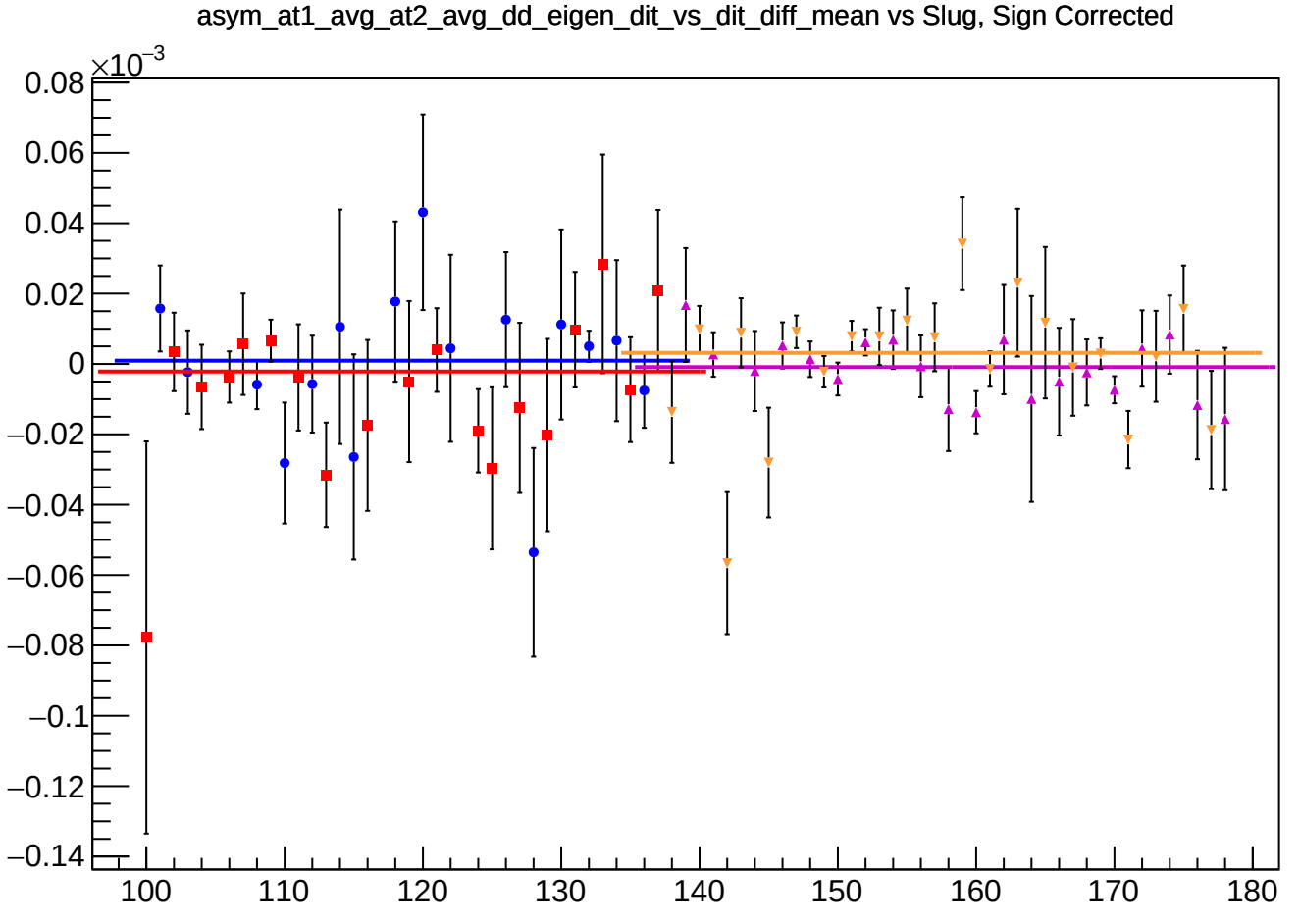
Left: 276.816+/-0.036 χ^2/NDF: 5879196.0/40

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

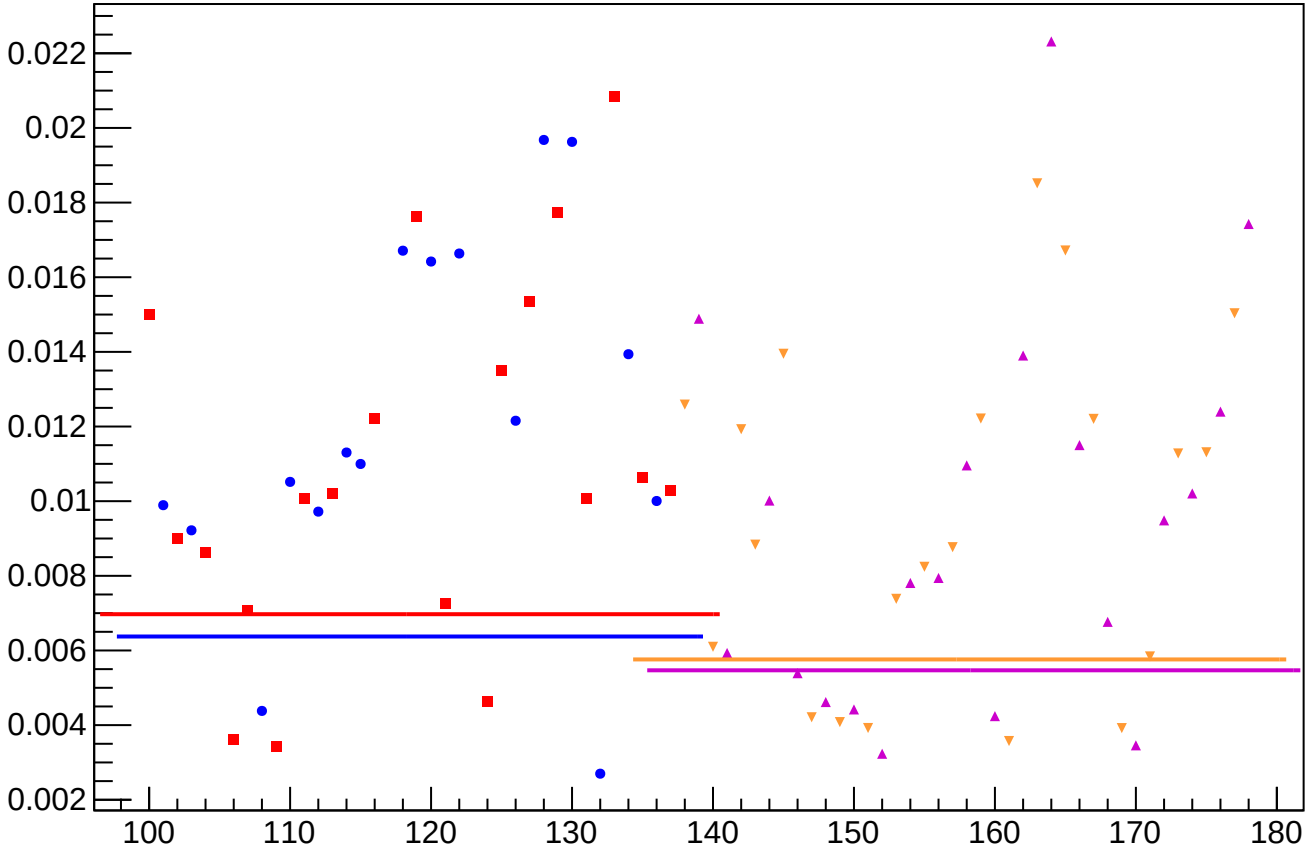
In: 197.389+/-0.032 χ^2/NDF:7257238.9/35

Out: 186.188+/-0.031 χ^2/NDF:10081368.0/39

All: 191.639+/-0.022 χ^2/NDF: 17402242.1/75


asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: 0.000+/-0.000 χ²/NDF:40.7/20
Right Out: -0.000+/-0.000 χ²/NDF: 16.0/18
Left In: -0.000+/-0.000 χ²/NDF:18.3/19
Left: 0.000+/-0.000 χ²/NDF: 62.2/40
Right: -0.000+/-0.000 χ²/NDF: 31.5/34
In: -0.000+/-0.000 χ²/NDF:33.5/35
Out: 0.000+/-0.000 χ²/NDF:59.1/39
All: 0.000+/-0.000 χ²/NDF: 94.1/75

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:6952917.2/20

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:6595169.1/19

Left: 0.006+/-0.000 χ^2/NDF: 13580315.6/40

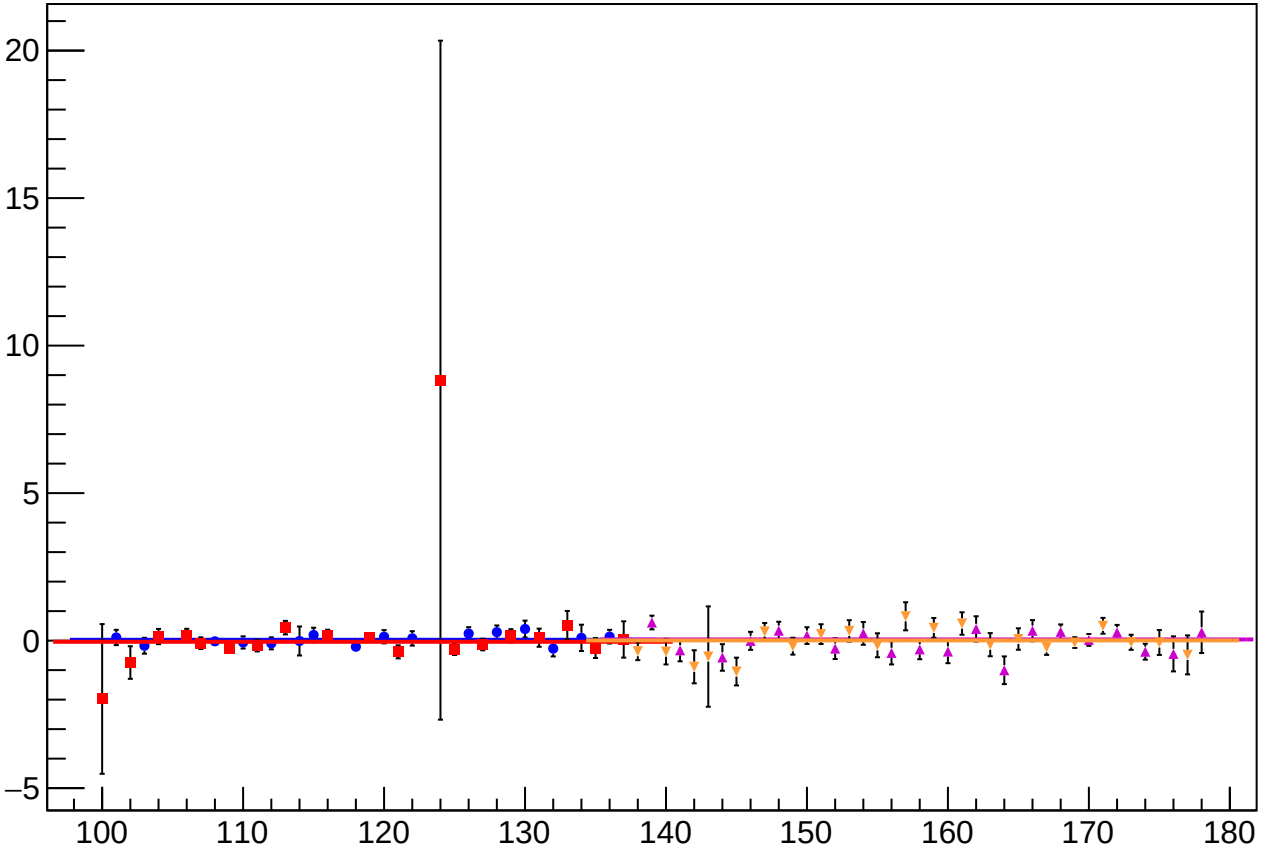
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:11382330.1/35

Out: 0.006+/-0.000 χ^2/NDF:10612034.2/39

All: 0.006+/-0.000 χ^2/NDF: 22058554.1/75

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: 0.040+/-0.072 χ^2/NDF:26.0/19

Left: 0.024+/-0.051 χ^2/NDF: 50.9/40

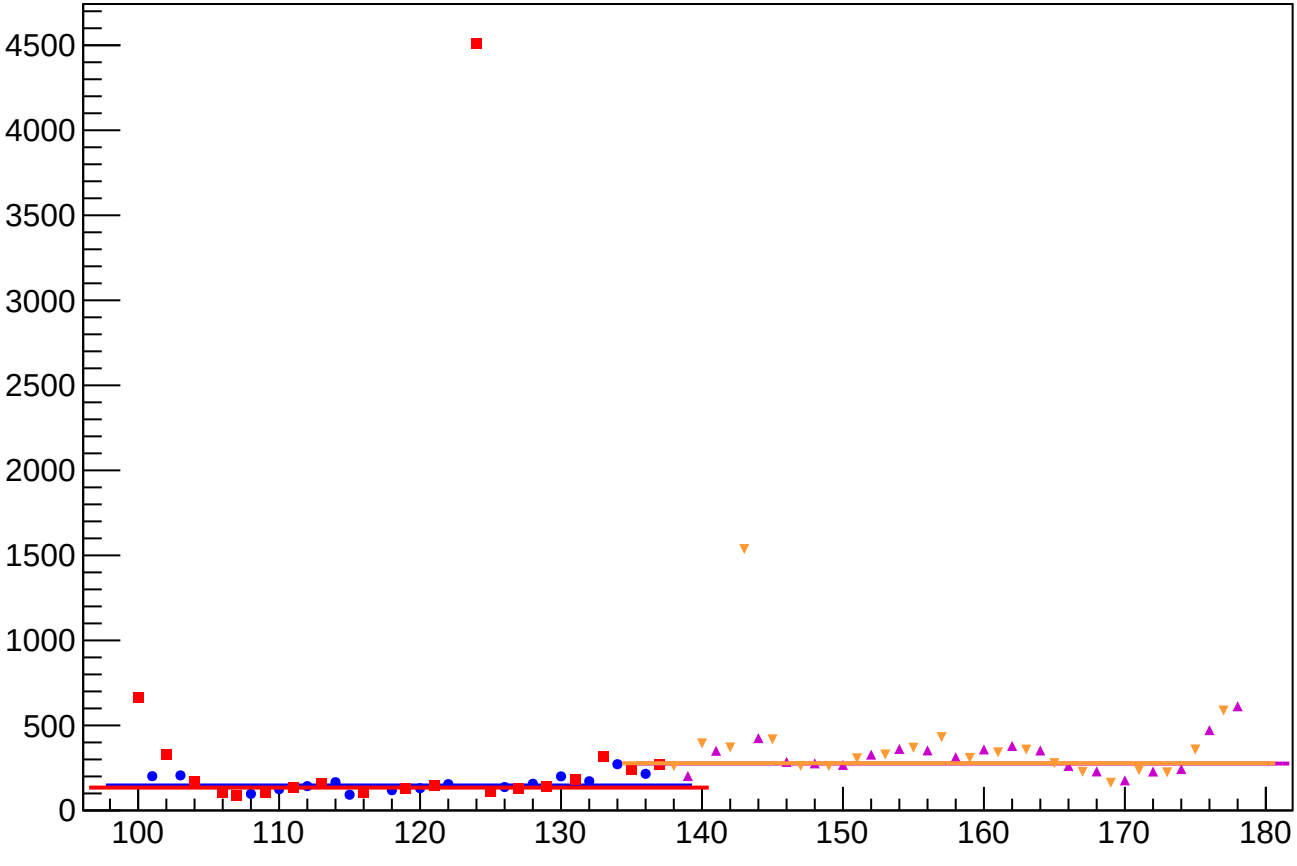
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.032+/-0.045 χ^2/NDF:35.4/35

Out: -0.022+/-0.044 χ^2/NDF:45.1/39

All: 0.004+/-0.031 χ^2/NDF: 81.3/75

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: 275.802+/-0.051 χ^2/NDF:2341728.8/19

Left: 276.816+/-0.036 χ^2/NDF: 5879435.6/40

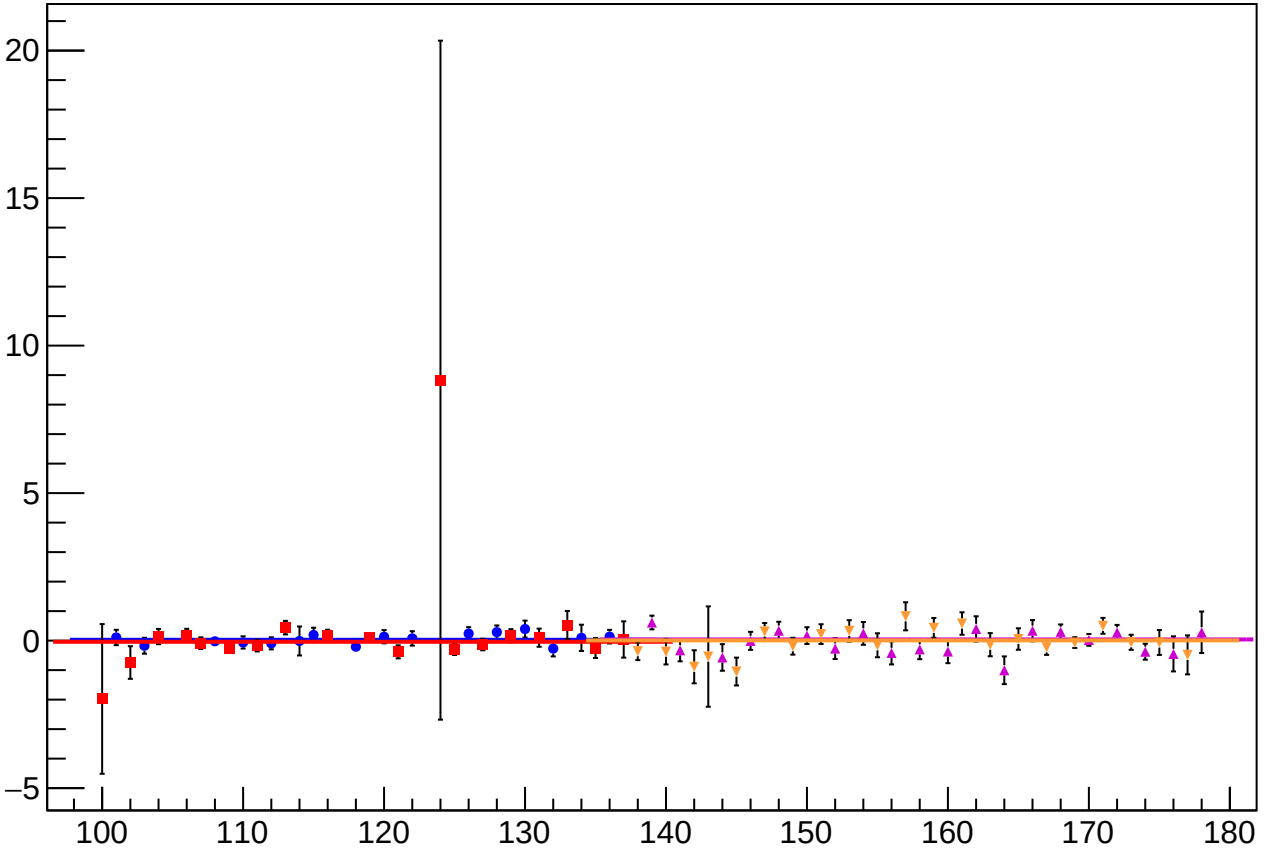
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 197.389+/-0.032 χ^2/NDF:7257334.5/35

Out: 186.189+/-0.031 χ^2/NDF:10081320.3/39

All: 191.639+/-0.022 χ^2/NDF: 17402277.1/75

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: 0.040+/-0.072 χ^2/NDF:26.0/19

Left: 0.024+/-0.051 χ^2/NDF: 50.9/40

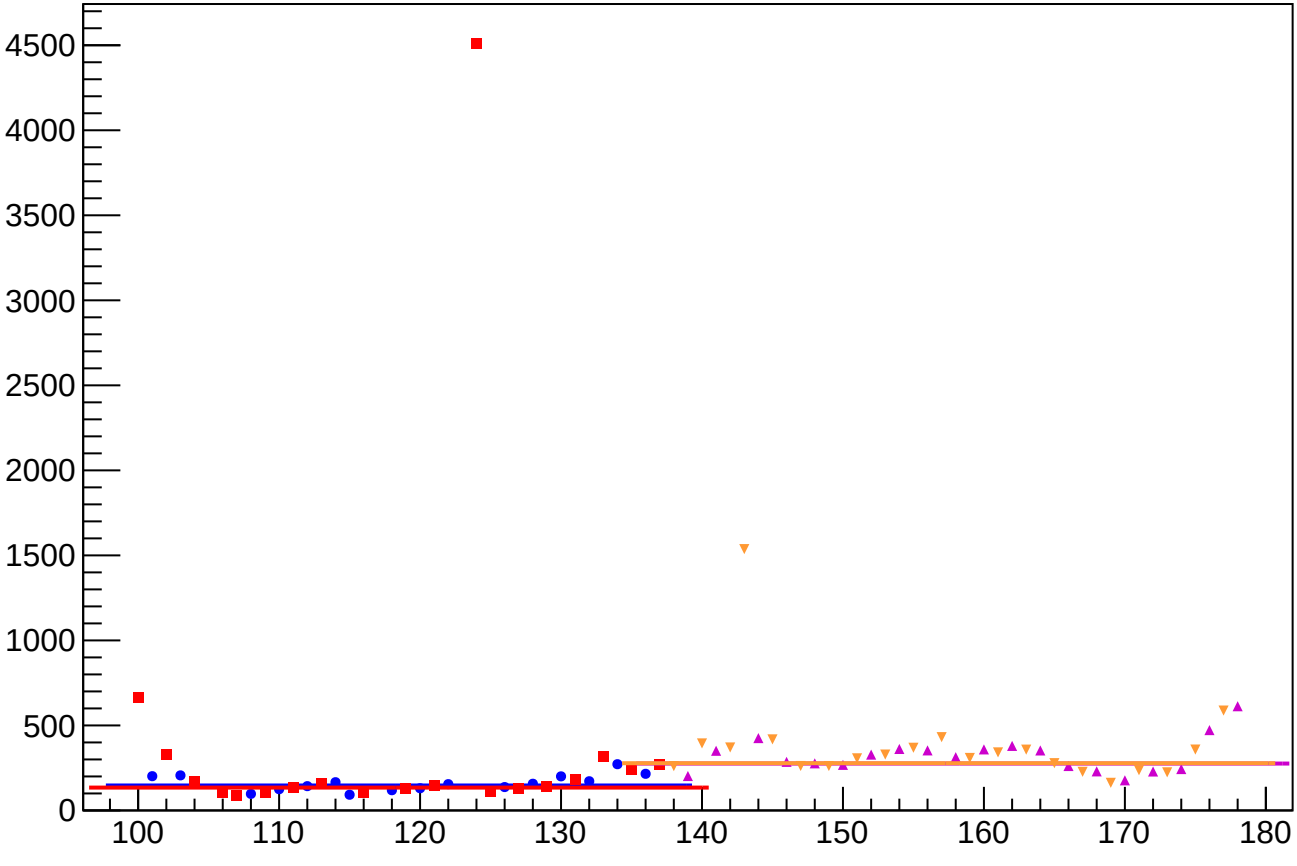
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.032+/-0.045 χ^2/NDF:35.4/35

Out: -0.022+/-0.044 χ^2/NDF:45.1/39

All: 0.004+/-0.031 χ^2/NDF: 81.3/75

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: 275.802+/-0.051 χ^2/NDF:2341728.8/19

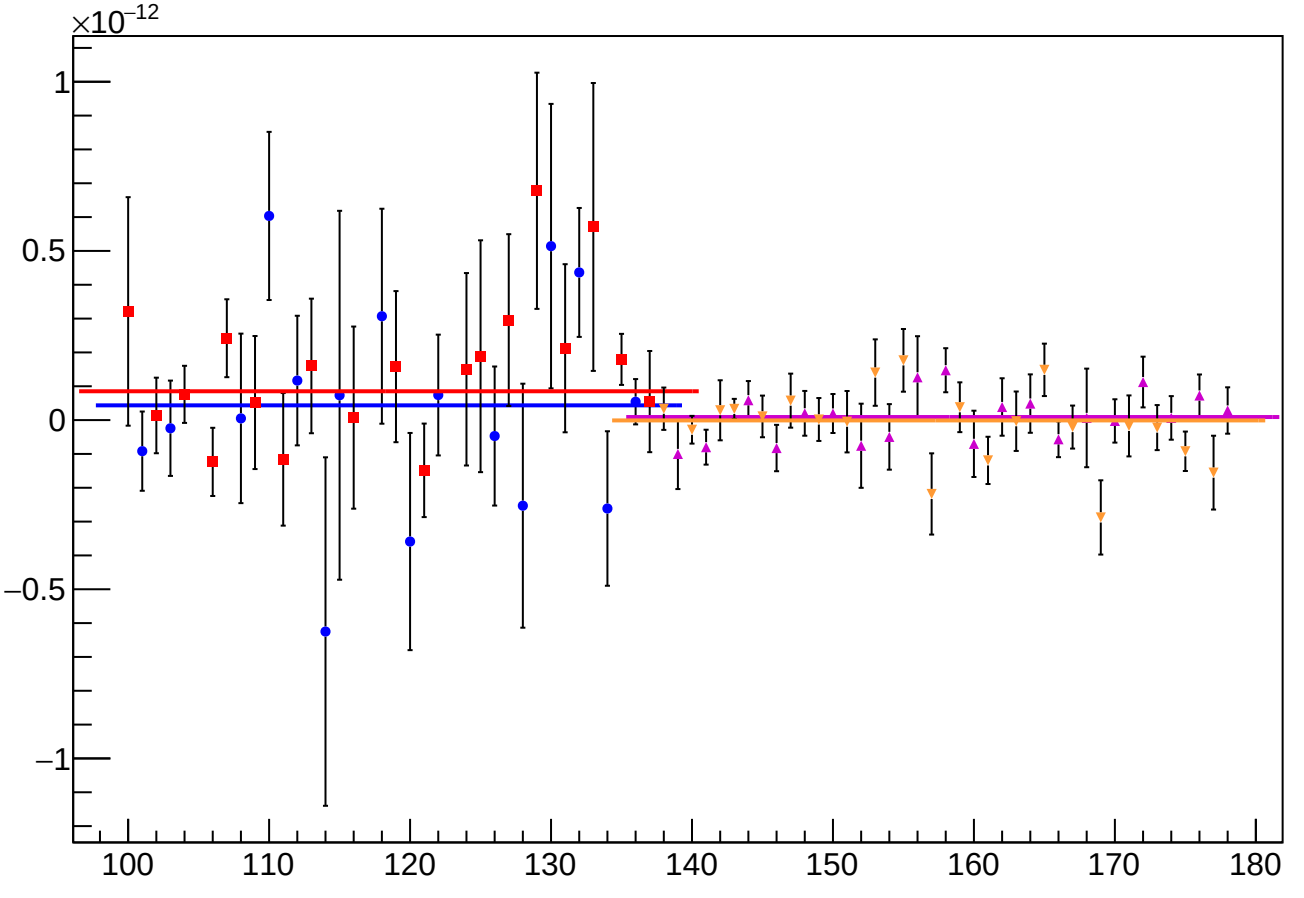
Left: 276.816+/-0.036 χ^2/NDF: 5879435.6/40

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 197.389+/-0.032 χ^2/NDF:7257334.5/35

Out: 186.189+/-0.031 χ^2/NDF:10081320.3/39

All: 191.639+/-0.022 χ^2/NDF: 17402277.1/75



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:18.6/19

Left: 0.000+/-0.000 χ^2/NDF: 49.0/40

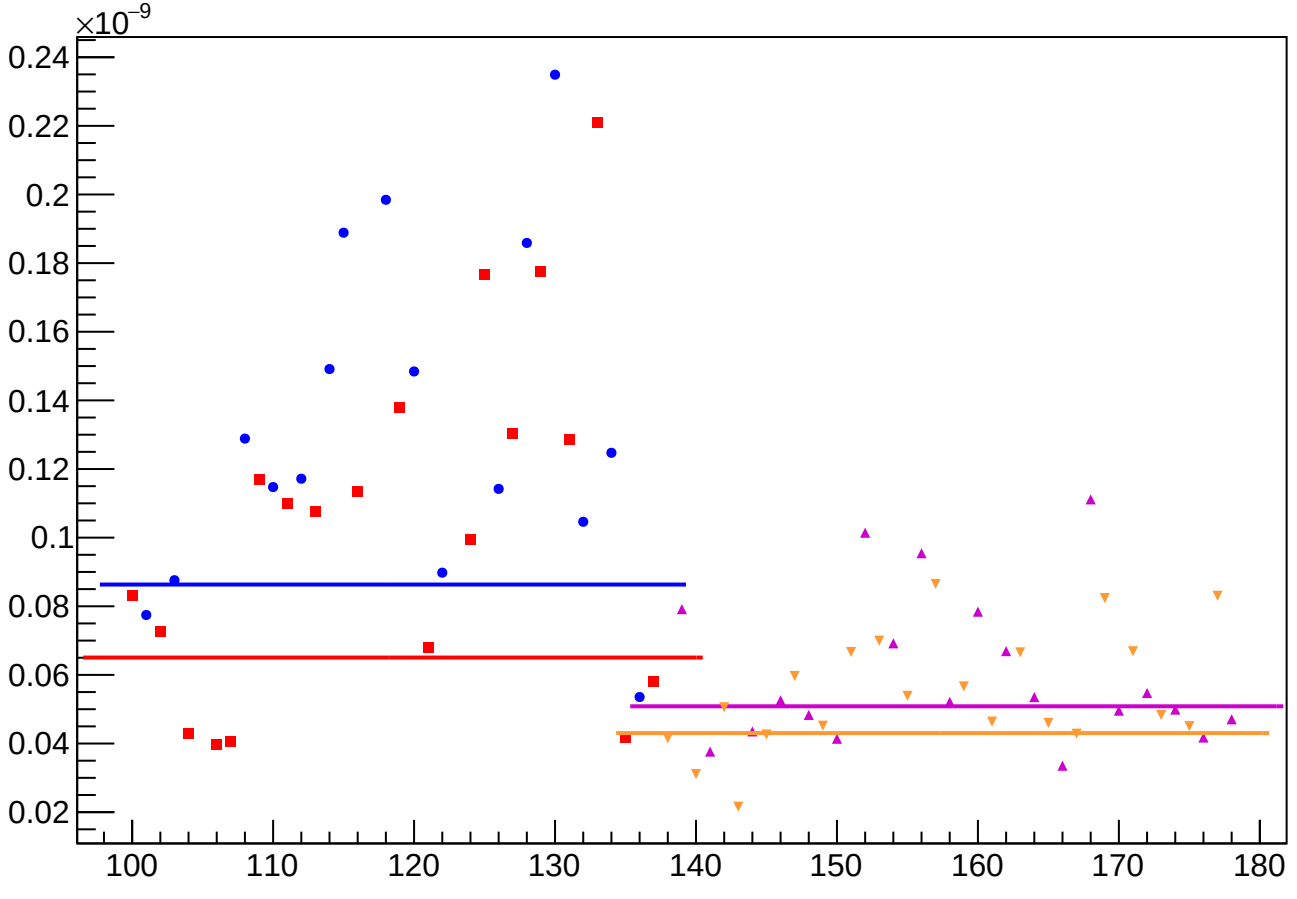
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:38.1/35

Out: 0.000+/-0.000 χ^2/NDF:53.8/39

All: 0.000+/-0.000 χ^2/NDF: 91.9/75

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:1889080.7/19

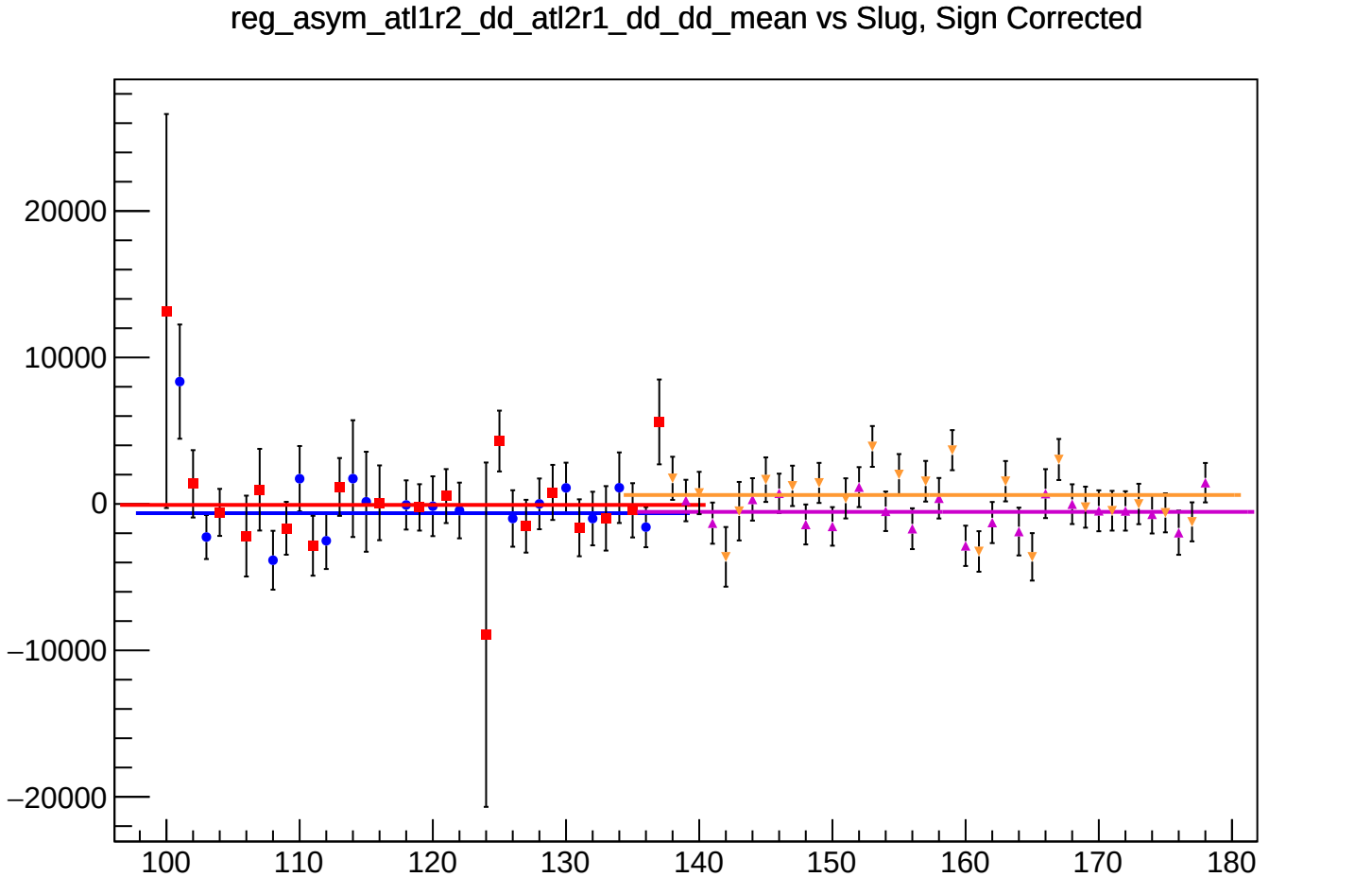
Left: 0.000+/-0.000 χ^2/NDF: 4953860.1/40

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:4664067.6/35

Out: 0.000+/-0.000 χ^2/NDF:5662511.0/39

All: 0.000+/-0.000 χ^2/NDF: 10727177.2/75



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: -543.002+/-312.722 χ^2/NDF:13.1/19

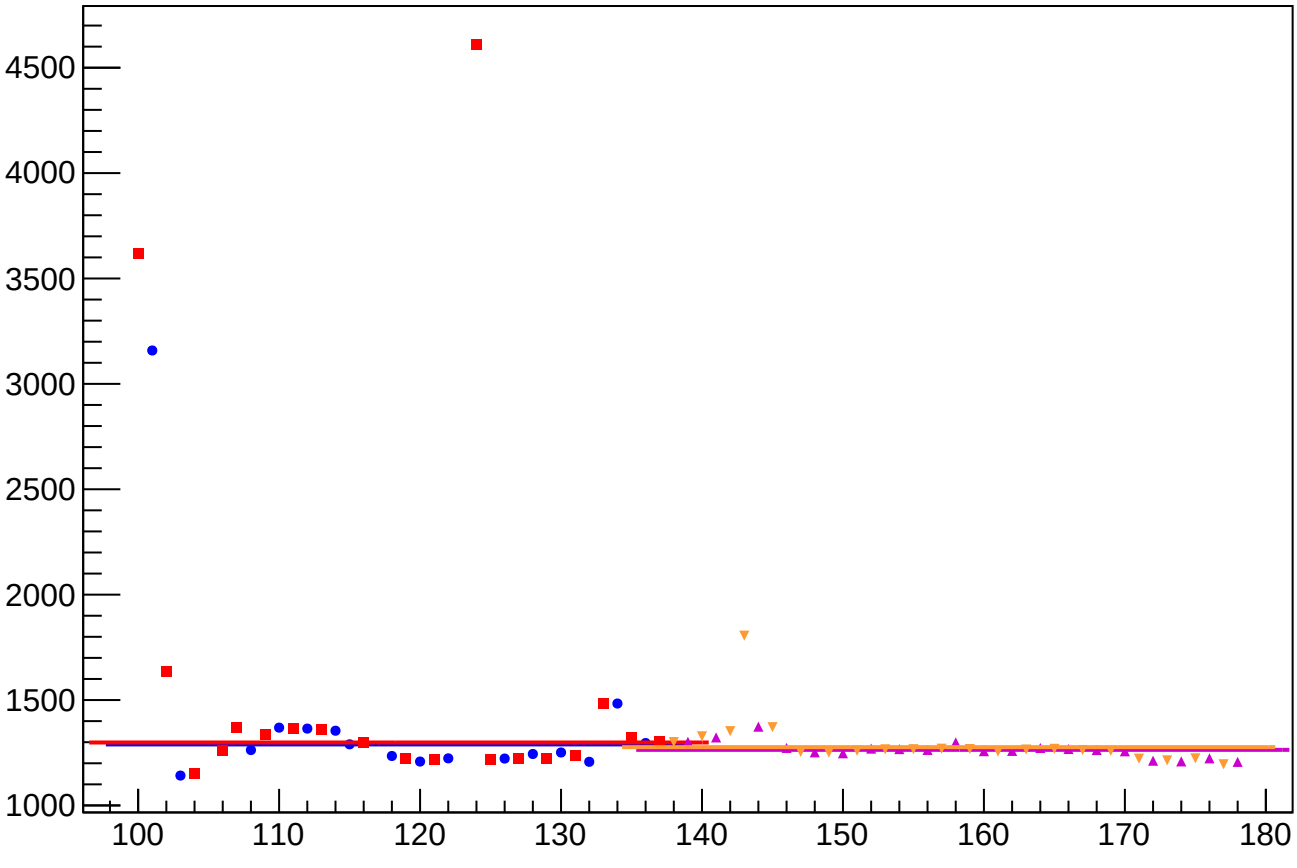
Left: 32.510+/-221.351 χ^2/NDF: 60.2/40

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -568.582+/-263.402 χ^2/NDF:27.0/35

Out: 412.277+/-263.637 χ^2/NDF:57.6/39

All: -78.590+/-186.336 χ^2/NDF: 91.5/75



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: 1263.728+/-0.221 χ^2/NDF:30050.0/19

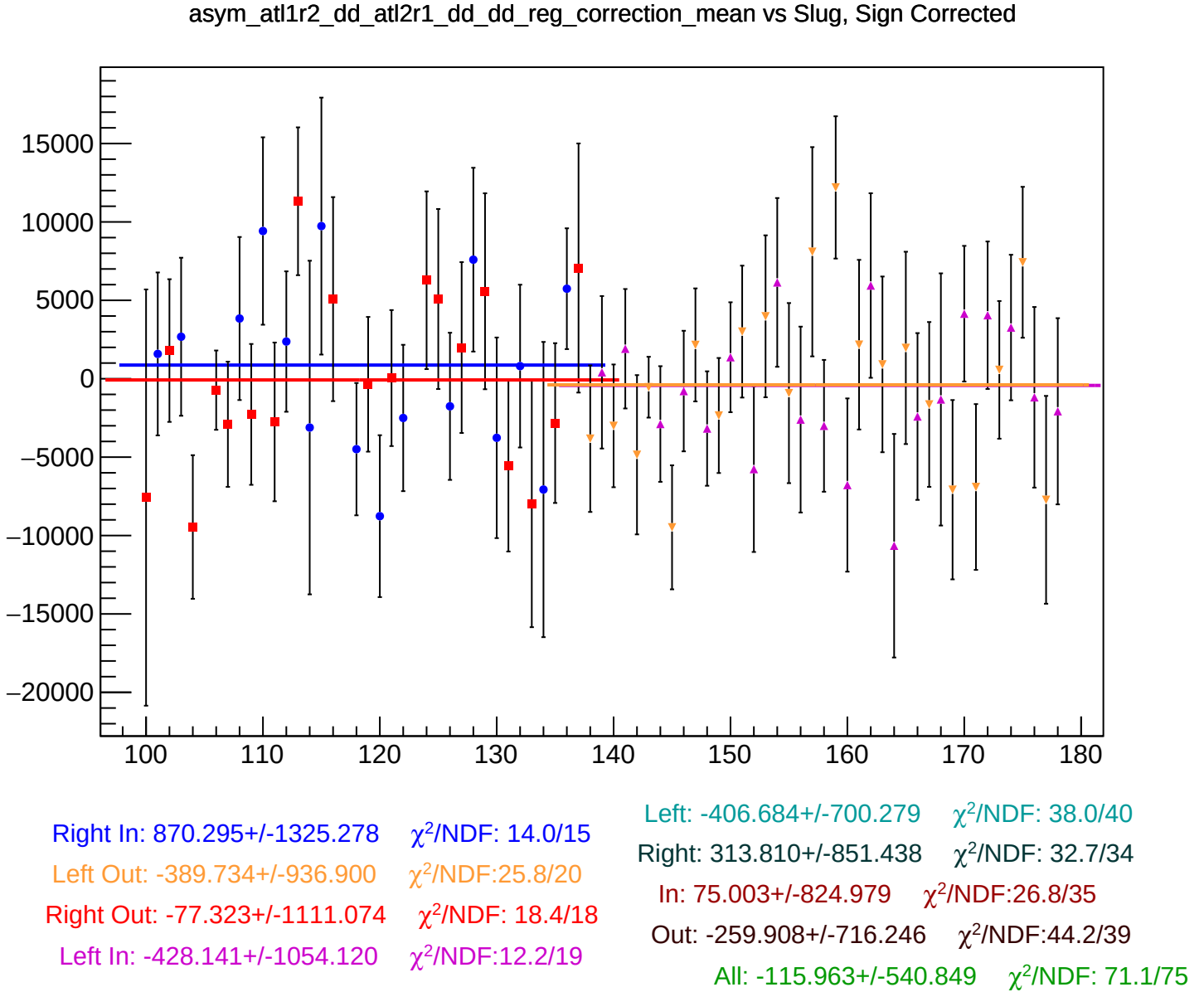
Left: 1270.093+/-0.157 χ^2/NDF: 206342.2/40

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

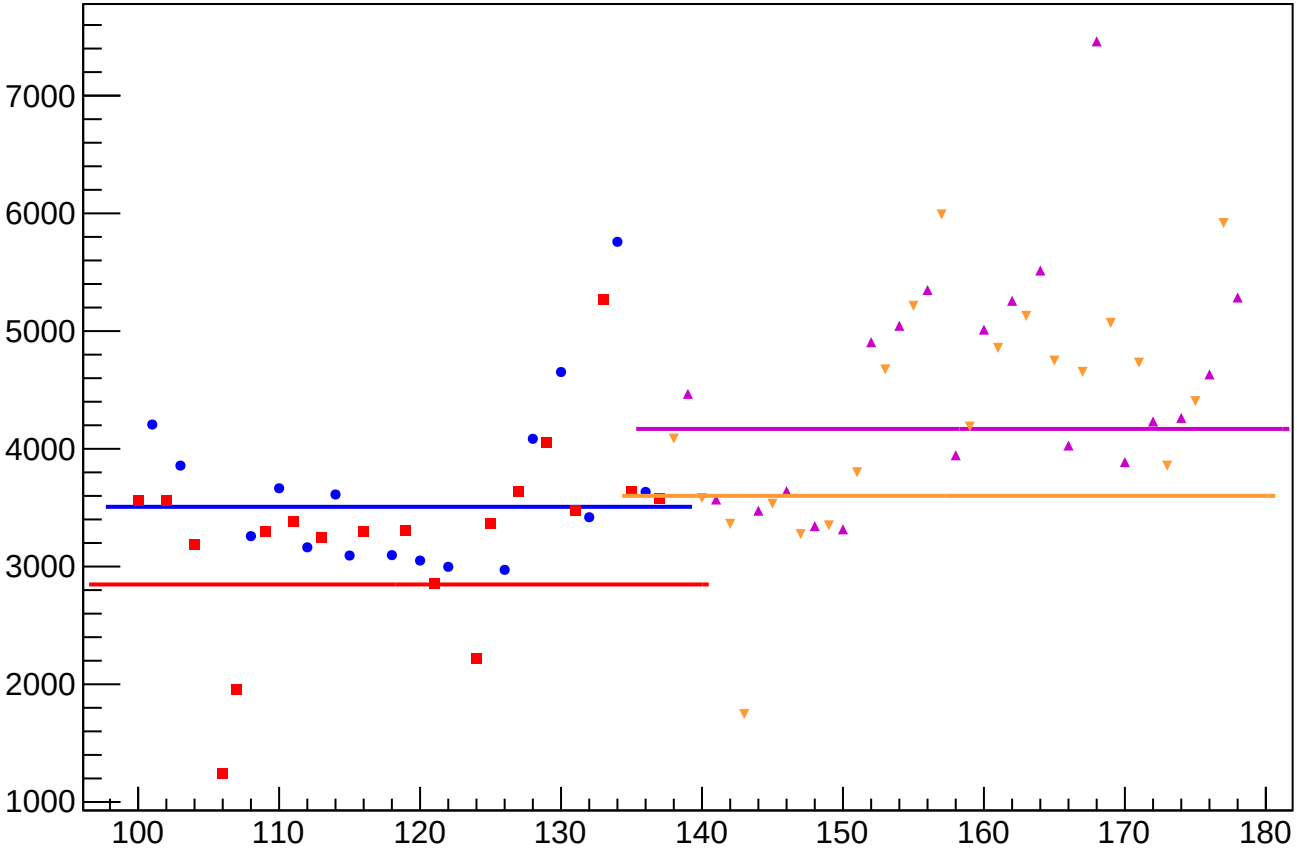
In: 1271.206+/-0.186 χ^2/NDF:548661.3/35

Out: 1282.986+/-0.186 χ^2/NDF:496942.5/39

All: 1277.095+/-0.132 χ^2/NDF: 1047603.4/75


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: -428.141+/-1054.120 χ²/NDF:12.2/19
Left: -406.684+/-700.279 χ²/NDF: 38.0/40
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: 75.003+/-824.979 χ²/NDF:26.8/35
Out: -259.908+/-716.246 χ²/NDF:44.2/39
All: -115.963+/-540.849 χ²/NDF: 71.1/75

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3600.663+/-0.662 χ^2/NDF:3357722.6/20

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4169.150+/-0.745 χ^2/NDF:1179312.4/19

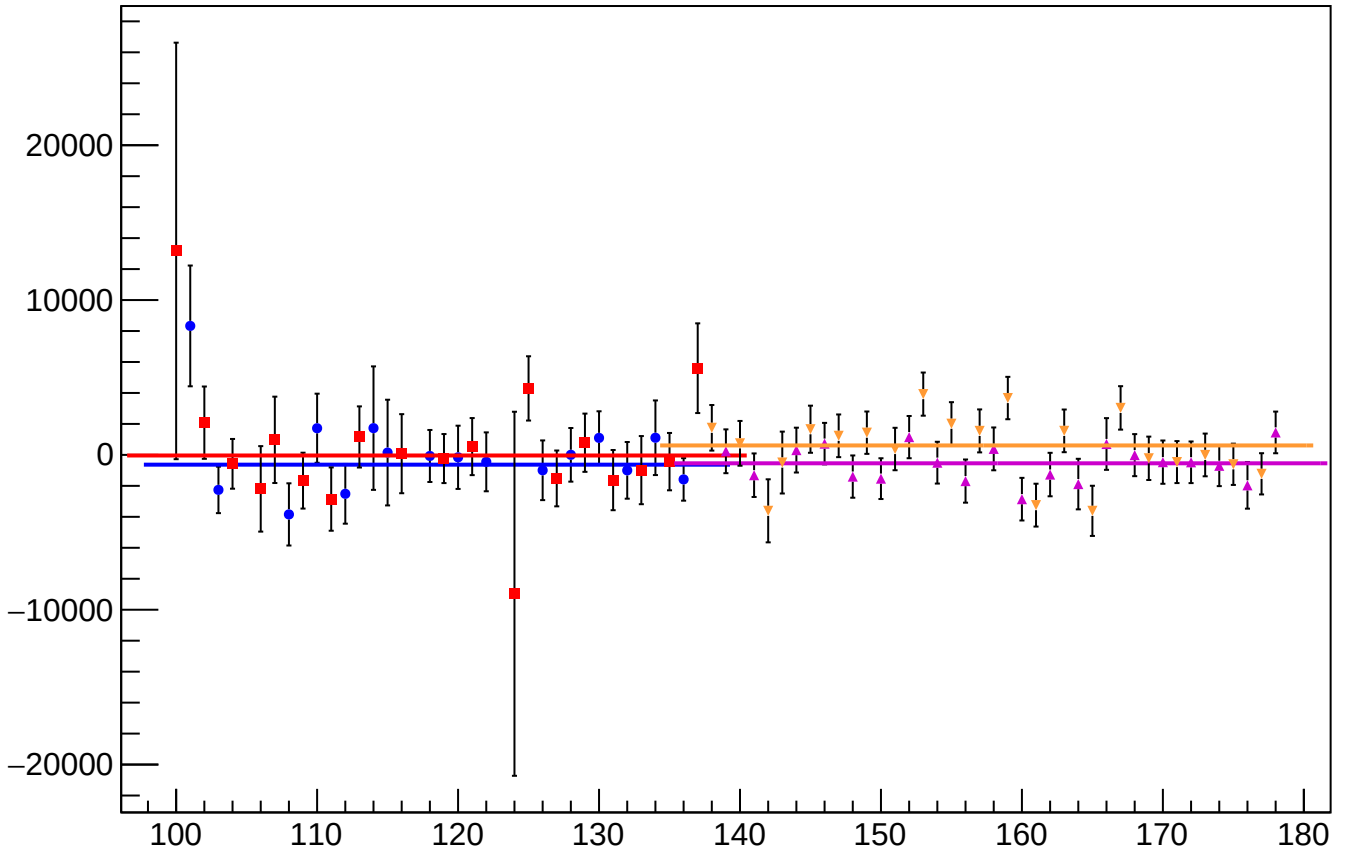
Left: 3851.553+/-0.495 χ^2/NDF: 4862007.8/40

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3912.721+/-0.583 χ^2/NDF:1838722.9/35

Out: 3287.814+/-0.506 χ^2/NDF:5393726.4/39

All: 3556.398+/-0.382 χ^2/NDF: 7886787.1/75



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: -542.923+/-312.722 χ^2/NDF:13.1/19

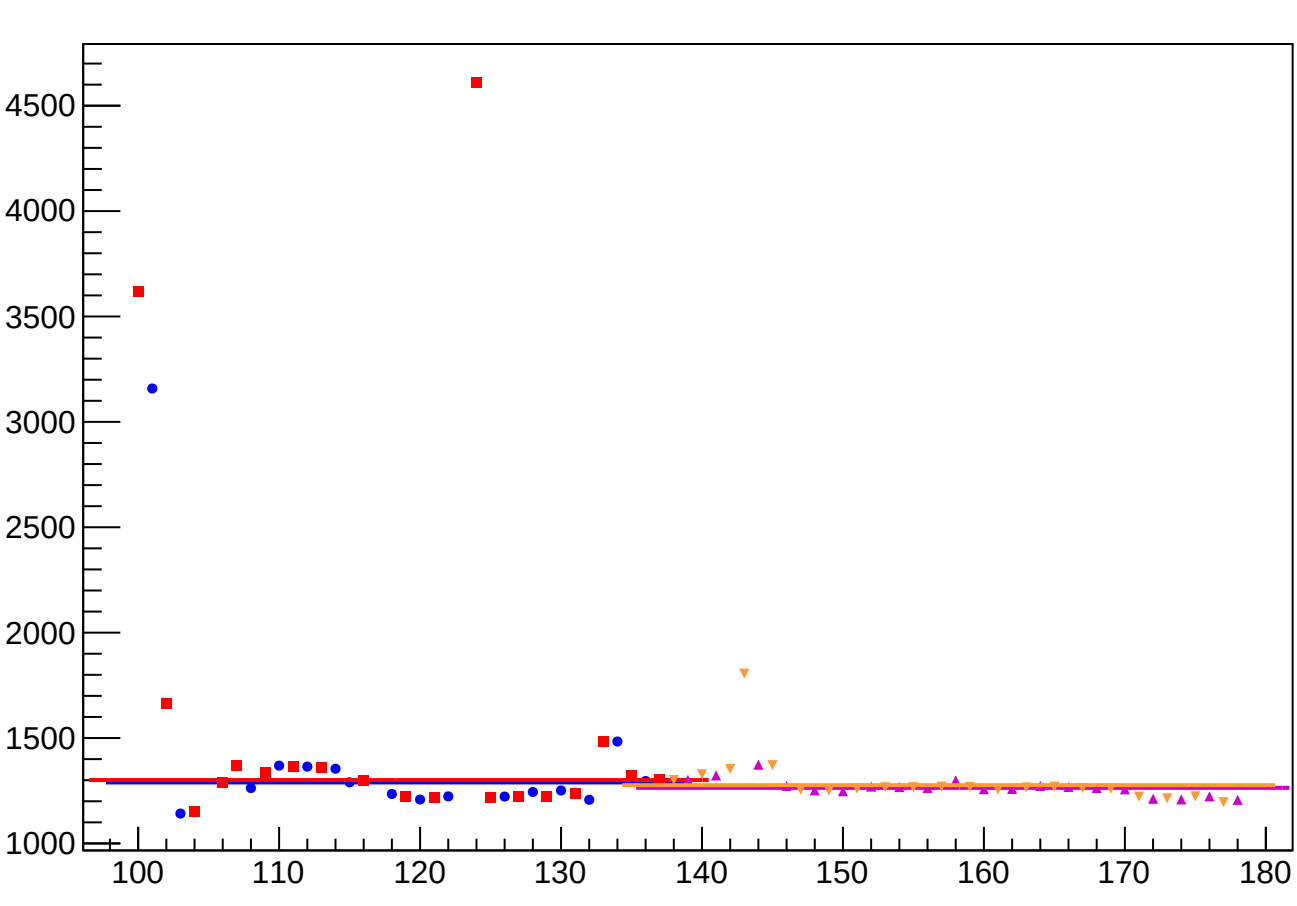
Left: 32.562+/-221.351 χ^2/NDF: 60.2/40

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -568.638+/-263.402 χ^2/NDF:27.0/35

Out: 420.950+/-263.688 χ^2/NDF:57.9/39

All: -74.381+/-186.354 χ^2/NDF: 91.9/75



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: 1263.728+/-0.221 χ^2/NDF:30050.0/19

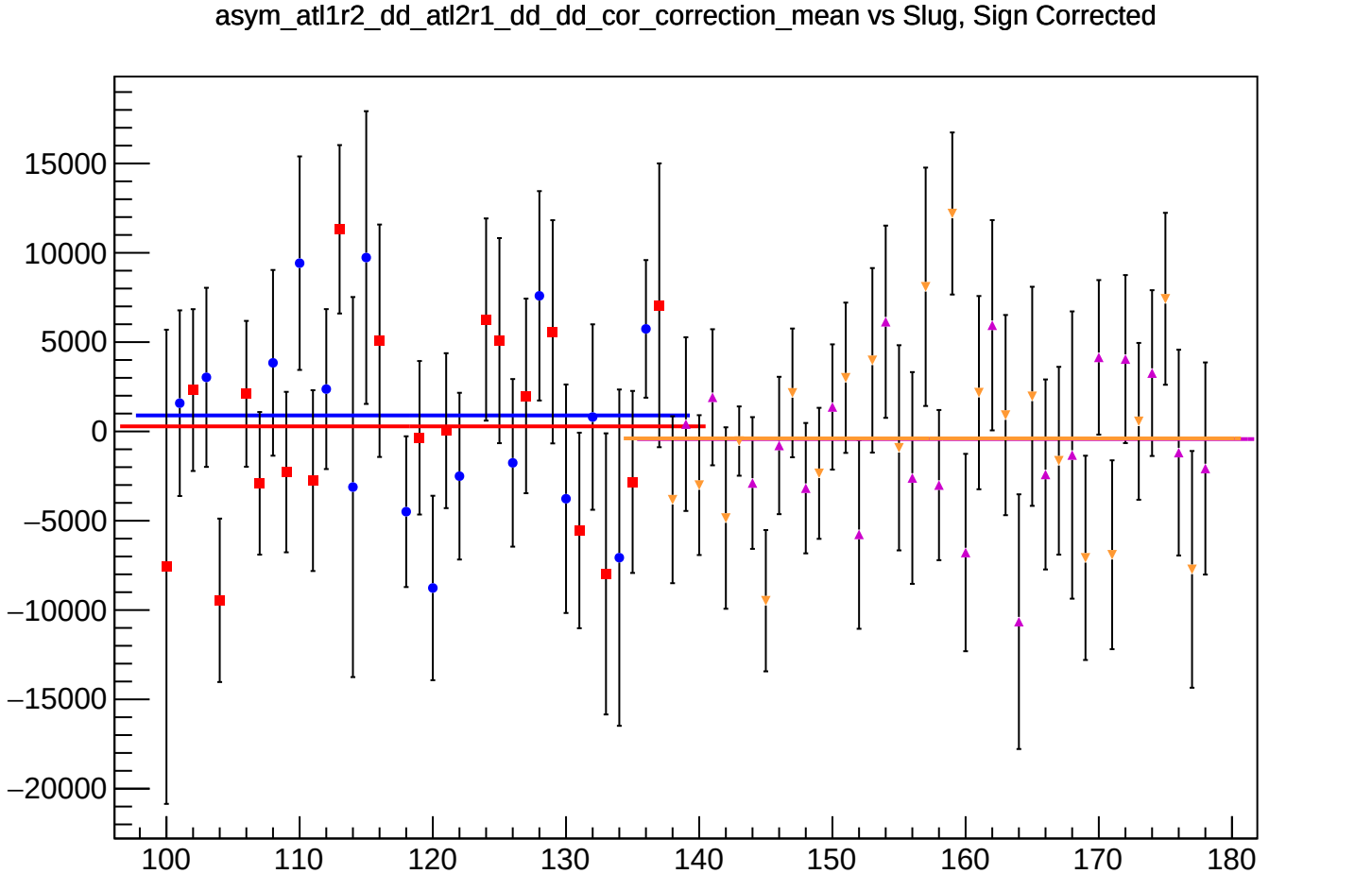
Left: 1270.093+/-0.157 χ^2/NDF: 206342.1/40

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1271.206+/-0.186 χ^2/NDF:548662.7/35

Out: 1283.566+/-0.186 χ^2/NDF:504030.0/39

All: 1277.383+/-0.132 χ^2/NDF: 1054893.4/75



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: -428.148+/-1054.118 χ^2/NDF:12.2/19

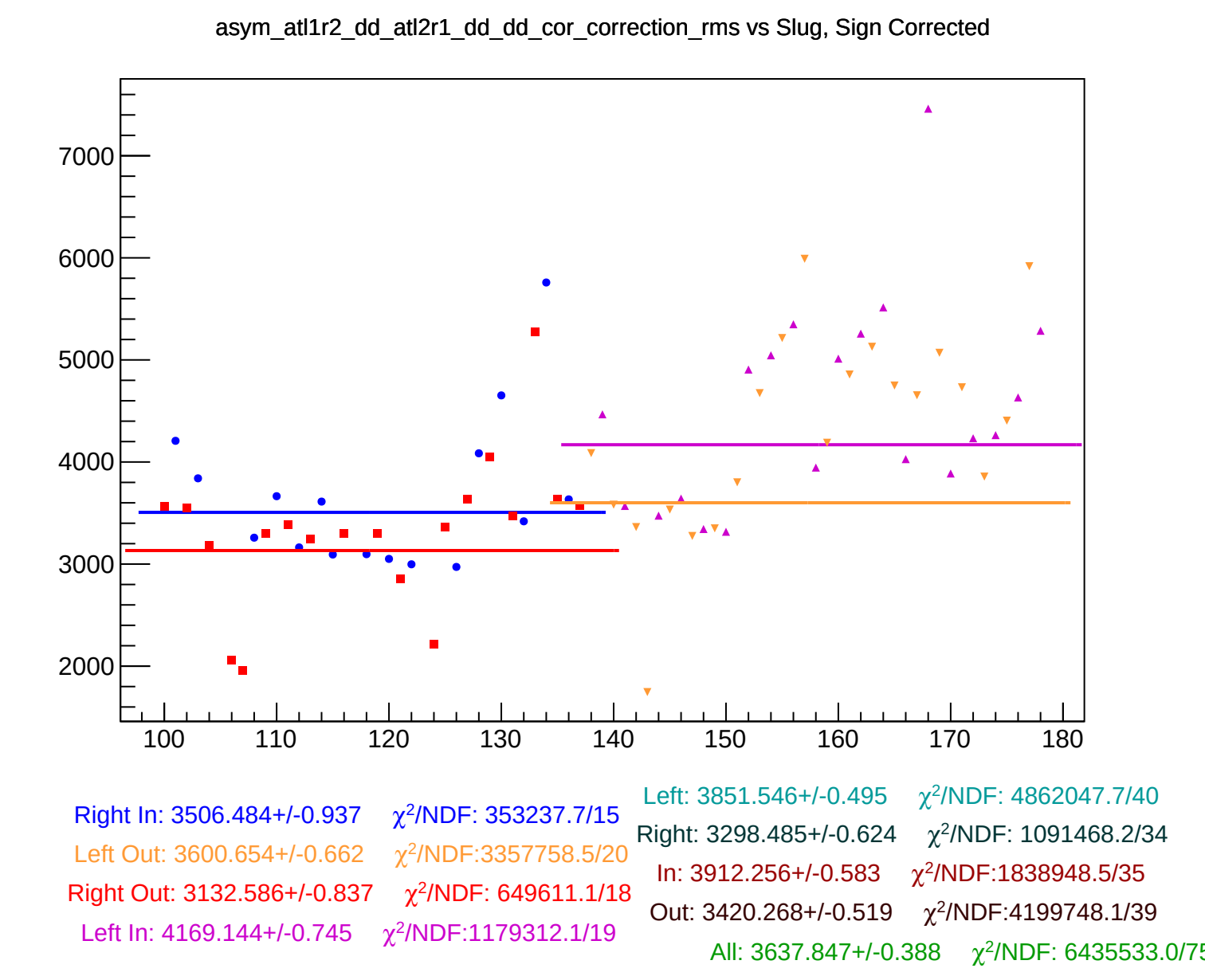
Left: -406.651+/-700.278 χ^2/NDF: 38.0/40

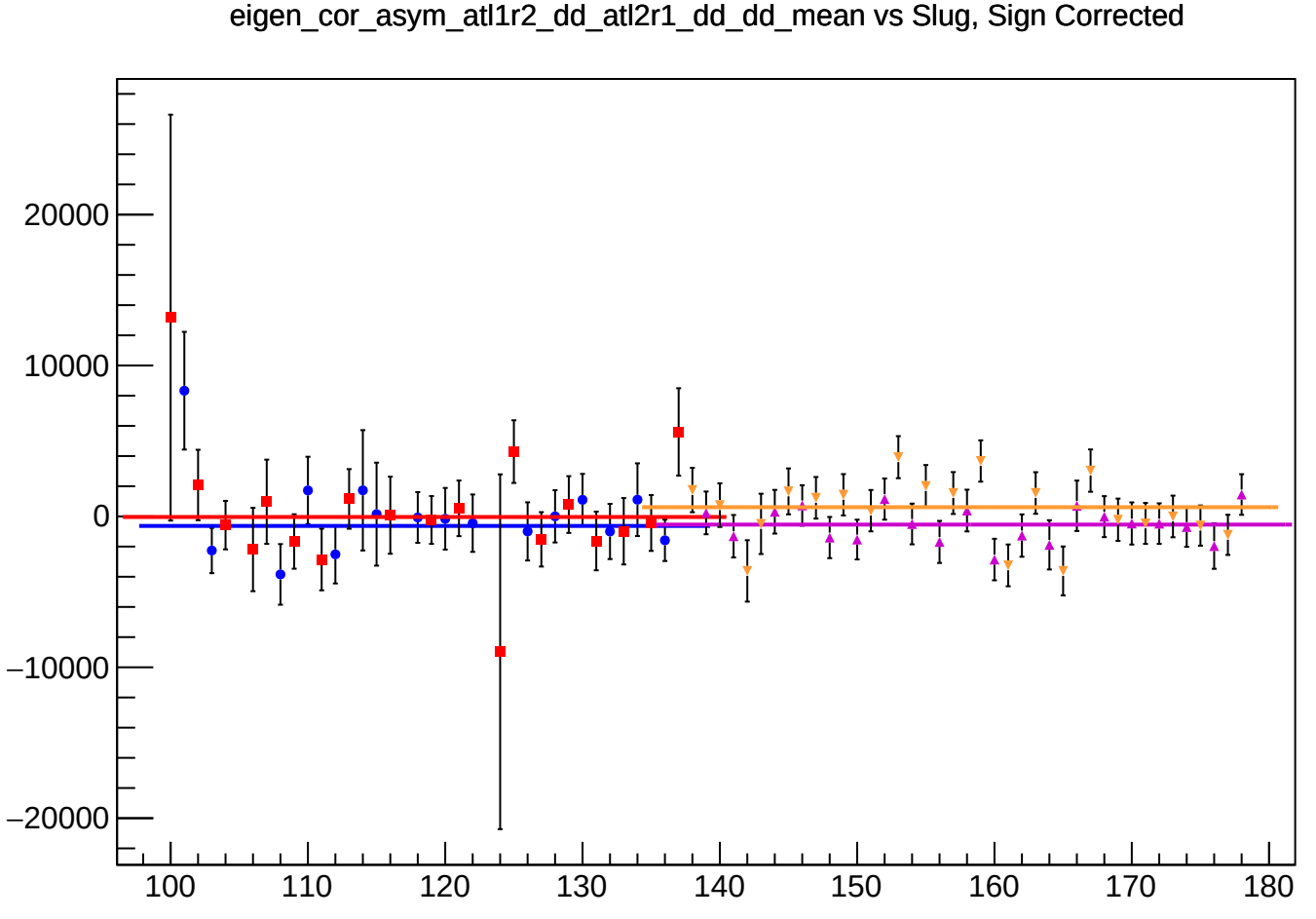
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 85.181+/-824.869 χ^2/NDF:26.9/35

Out: -130.063+/-734.505 χ^2/NDF:44.6/39

All: -34.872+/-548.550 χ^2/NDF: 71.5/75


asym_atl1r2_dd_atl2r1_dd_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: 4169.144+/-0.745 χ²/NDF:1179312.1/19
Left: 3851.546+/-0.495 χ²/NDF: 4862047.7/40
Right: 3298.485+/-0.624 χ²/NDF: 1091468.2/34
In: 3912.256+/-0.583 χ²/NDF:1838948.5/35
Out: 3420.268+/-0.519 χ²/NDF:4199748.1/39
All: 3637.847+/-0.388 χ²/NDF: 6435533.0/75



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: -542.923+/-312.722 χ^2/NDF:13.1/19

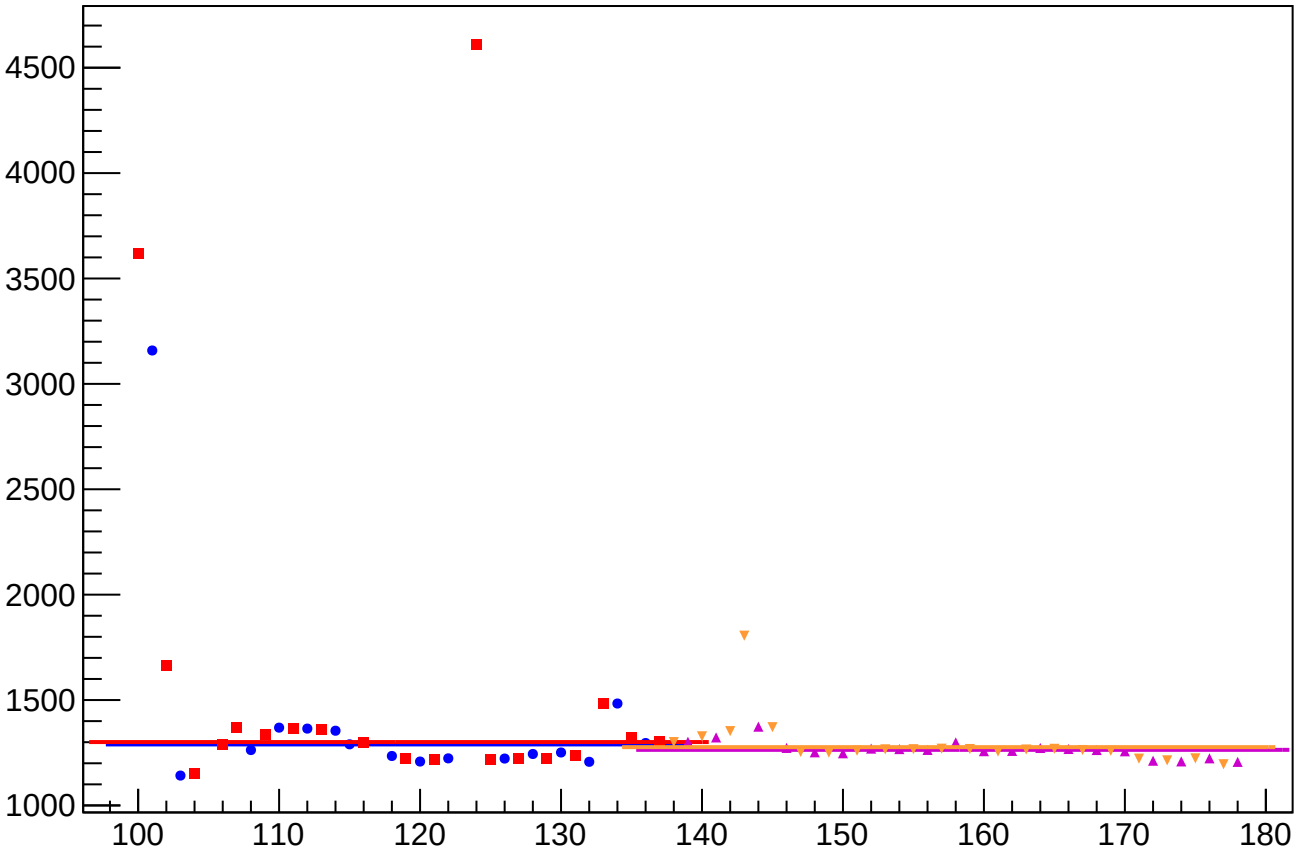
Left: 32.562+/-221.351 χ^2/NDF: 60.2/40

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -568.638+/-263.402 χ^2/NDF:27.0/35

Out: 420.950+/-263.688 χ^2/NDF:57.9/39

All: -74.381+/-186.354 χ^2/NDF: 91.9/75



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: 1263.728+/-0.221 χ^2/NDF:30050.0/19

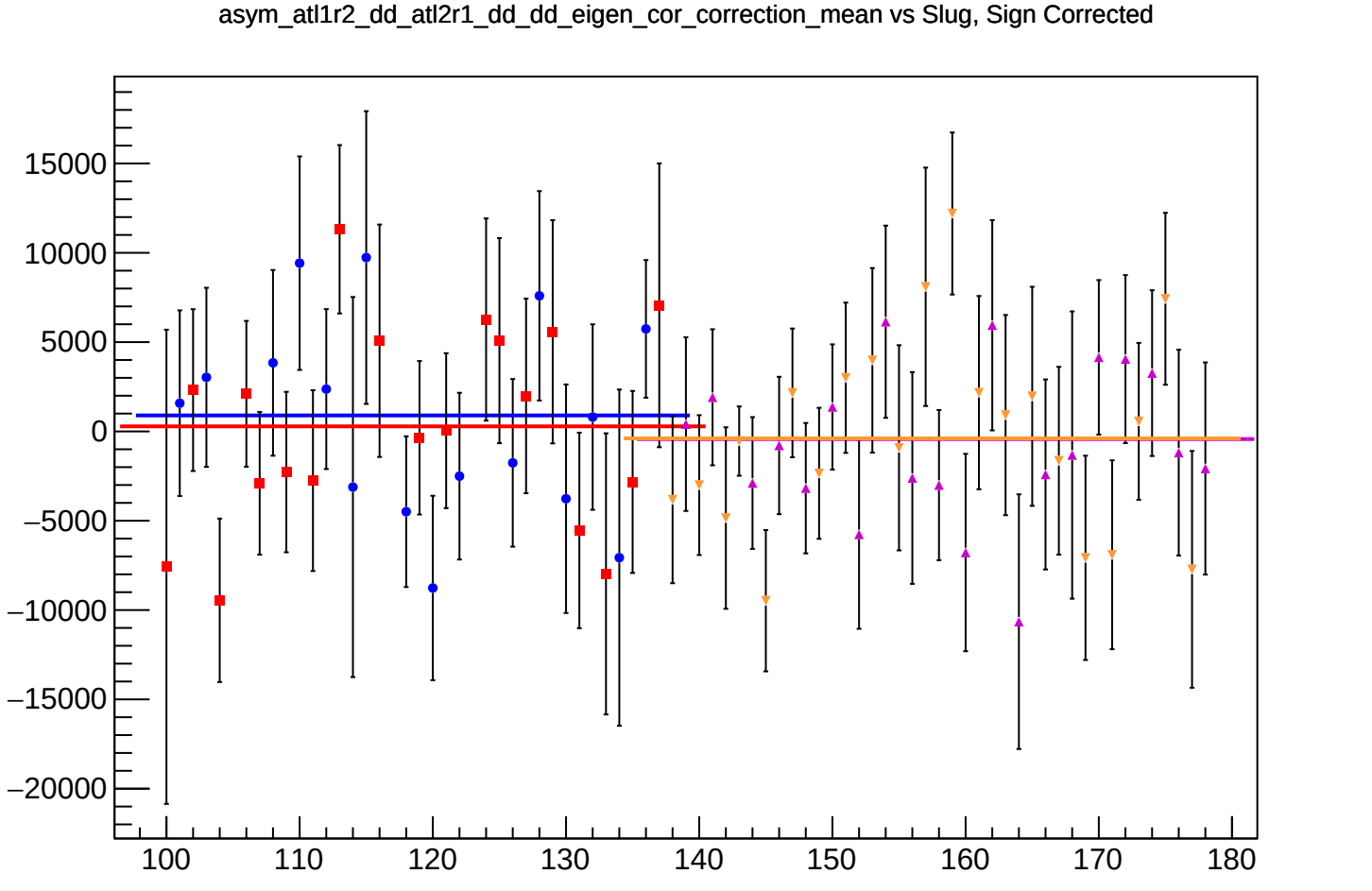
Left: 1270.093+/-0.157 χ^2/NDF: 206342.1/40

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1271.206+/-0.186 χ^2/NDF:548662.7/35

Out: 1283.566+/-0.186 χ^2/NDF:504030.0/39

All: 1277.383+/-0.132 χ^2/NDF: 1054893.4/75



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: -428.148+/-1054.118 χ^2/NDF:12.2/19

Left: -406.651+/-700.278 χ^2/NDF: 38.0/40

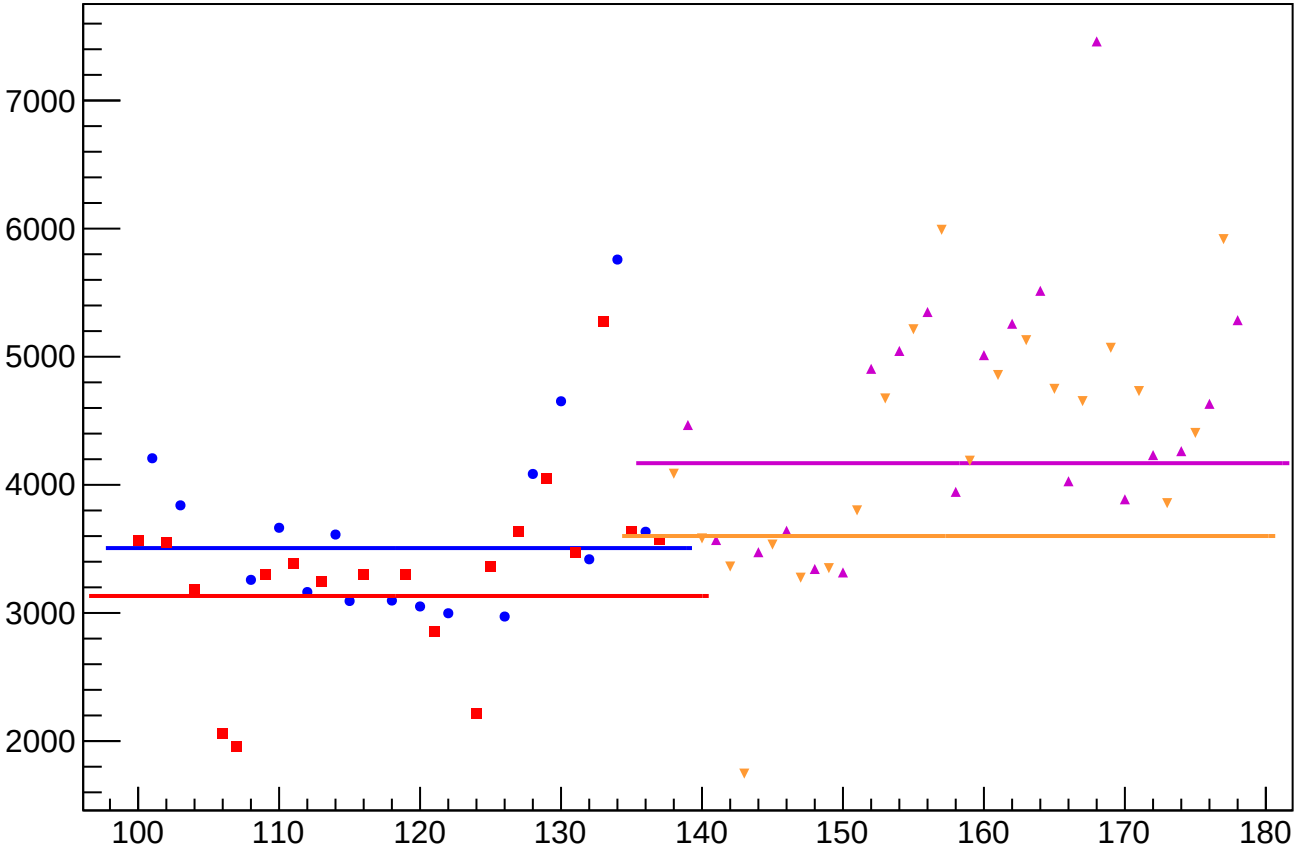
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 85.181+/-824.869 χ^2/NDF:26.9/35

Out: -130.063+/-734.505 χ^2/NDF:44.6/39

All: -34.872+/-548.550 χ^2/NDF: 71.5/75

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3600.654+/-0.662 χ^2/NDF:3357758.5/20

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4169.144+/-0.745 χ^2/NDF:1179312.1/19

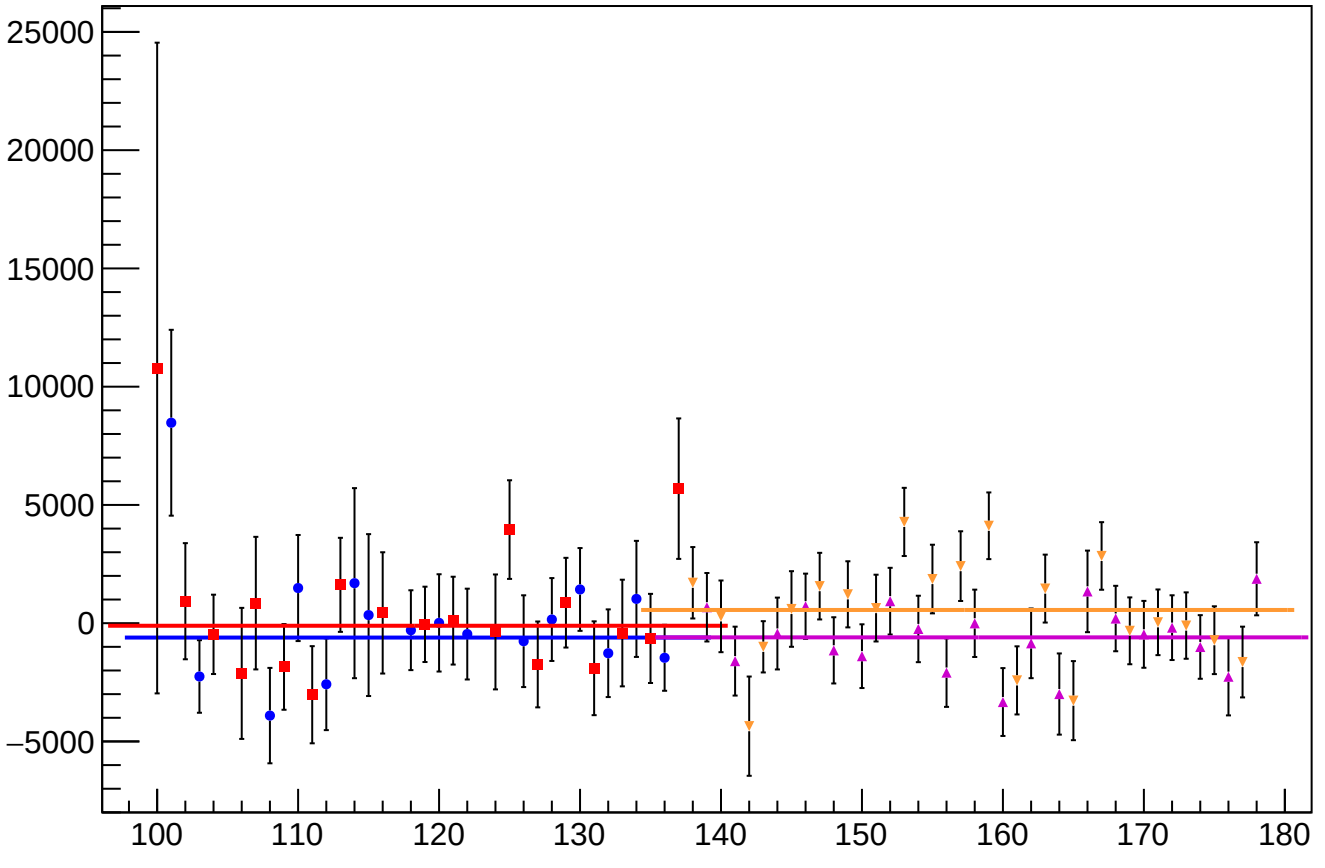
Left: 3851.546+/-0.495 χ^2/NDF: 4862047.7/40

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3912.256+/-0.583 χ^2/NDF:1838948.5/35

Out: 3420.268+/-0.519 χ^2/NDF:4199748.1/39

All: 3637.847+/-0.388 χ^2/NDF: 6435533.0/75



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: -599.425+/-324.930 χ^2/NDF:16.2/19

Left: -2.859+/-226.296 χ^2/NDF: 63.2/40

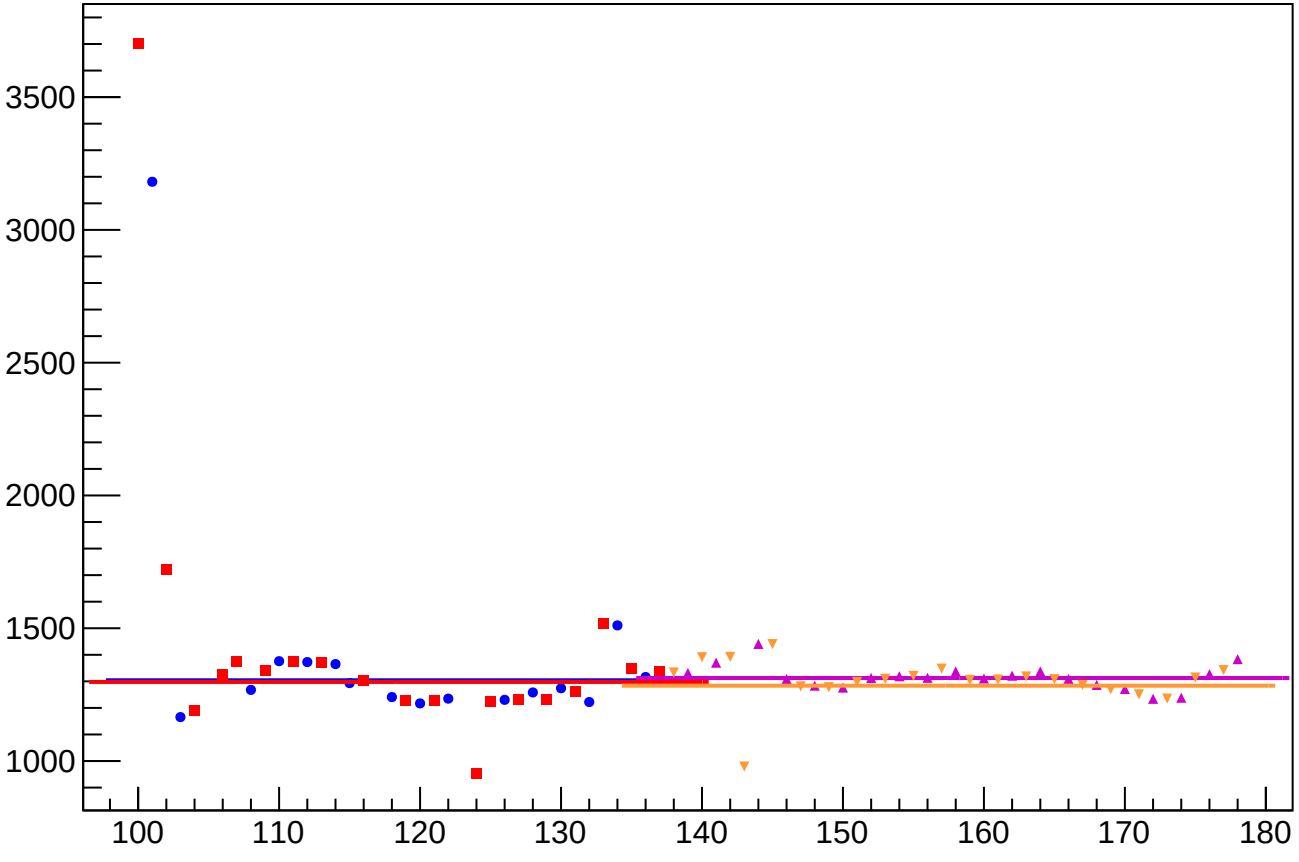
Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -601.963+/-271.500 χ^2/NDF:30.3/35

Out: 360.968+/-264.466 χ^2/NDF:56.7/39

All: -107.862+/-189.443 χ^2/NDF: 93.4/75

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug, Sign Corrected



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: 1312.637+/-0.230 χ^2/NDF:40645.3/19

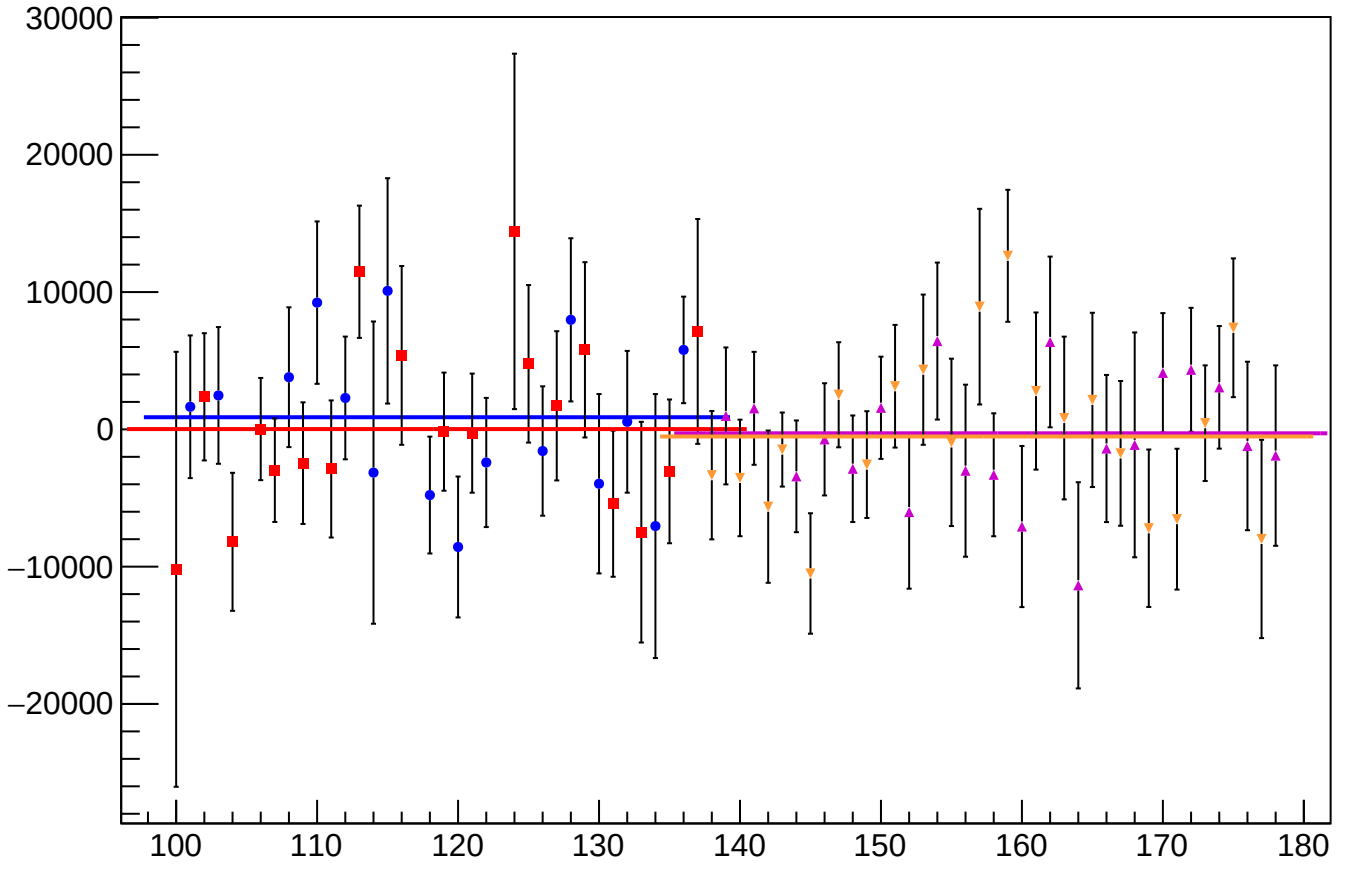
Left: 1297.735+/-0.160 χ^2/NDF: 259524.8/40

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1310.061+/-0.192 χ^2/NDF:551651.2/35

Out: 1287.885+/-0.187 χ^2/NDF:424994.4/39

All: 1298.680+/-0.134 χ^2/NDF: 983493.4/75



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: -287.074+/-1104.132 χ^2/NDF:12.1/19

Left: -409.826+/-755.037 χ^2/NDF: 37.7/40

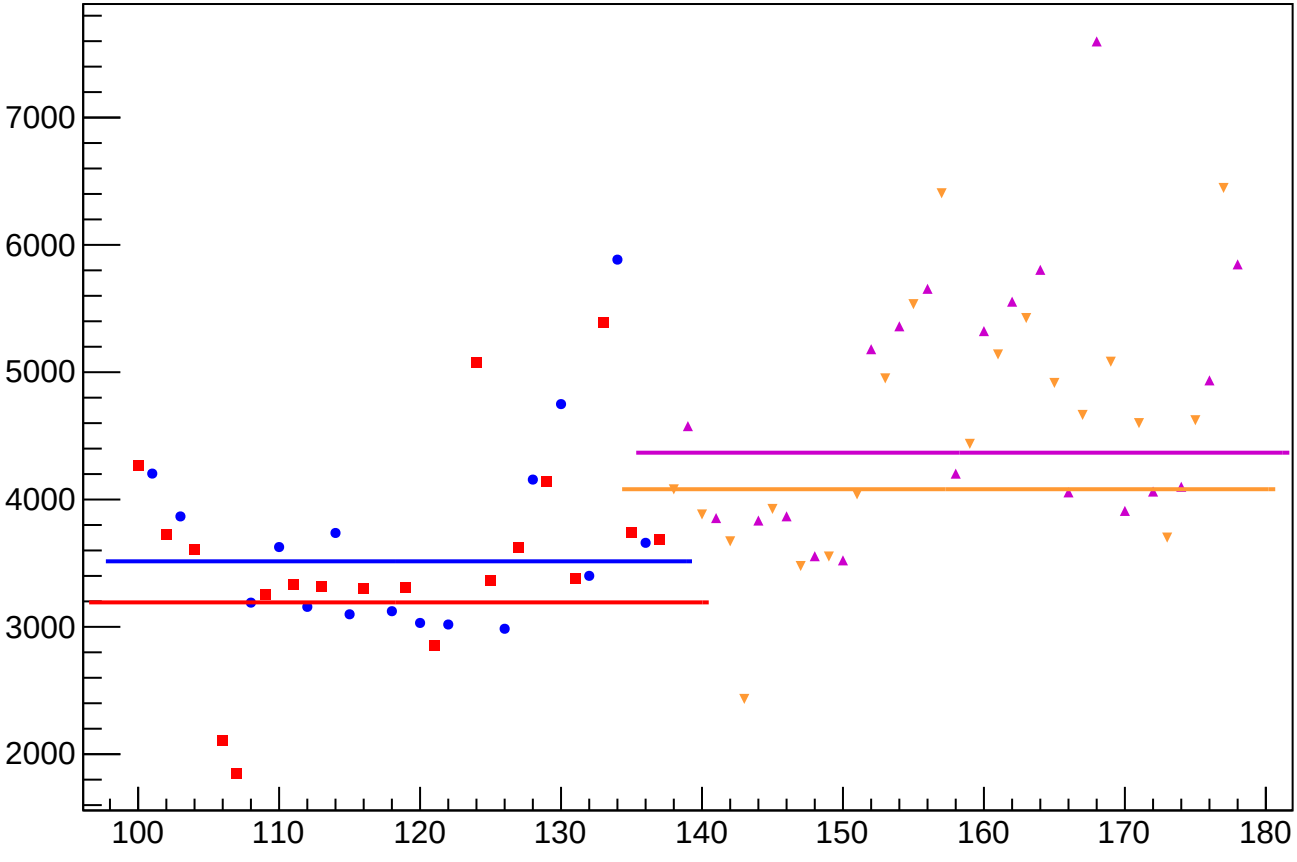
Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 191.856+/-848.857 χ^2/NDF:26.6/35

Out: -288.063+/-783.671 χ^2/NDF:42.5/39

All: -67.236+/-575.807 χ^2/NDF: 69.3/75

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4081.017+/-0.732 χ^2/NDF:1803960.9/20

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4367.880+/-0.781 χ^2/NDF:1153249.4/19

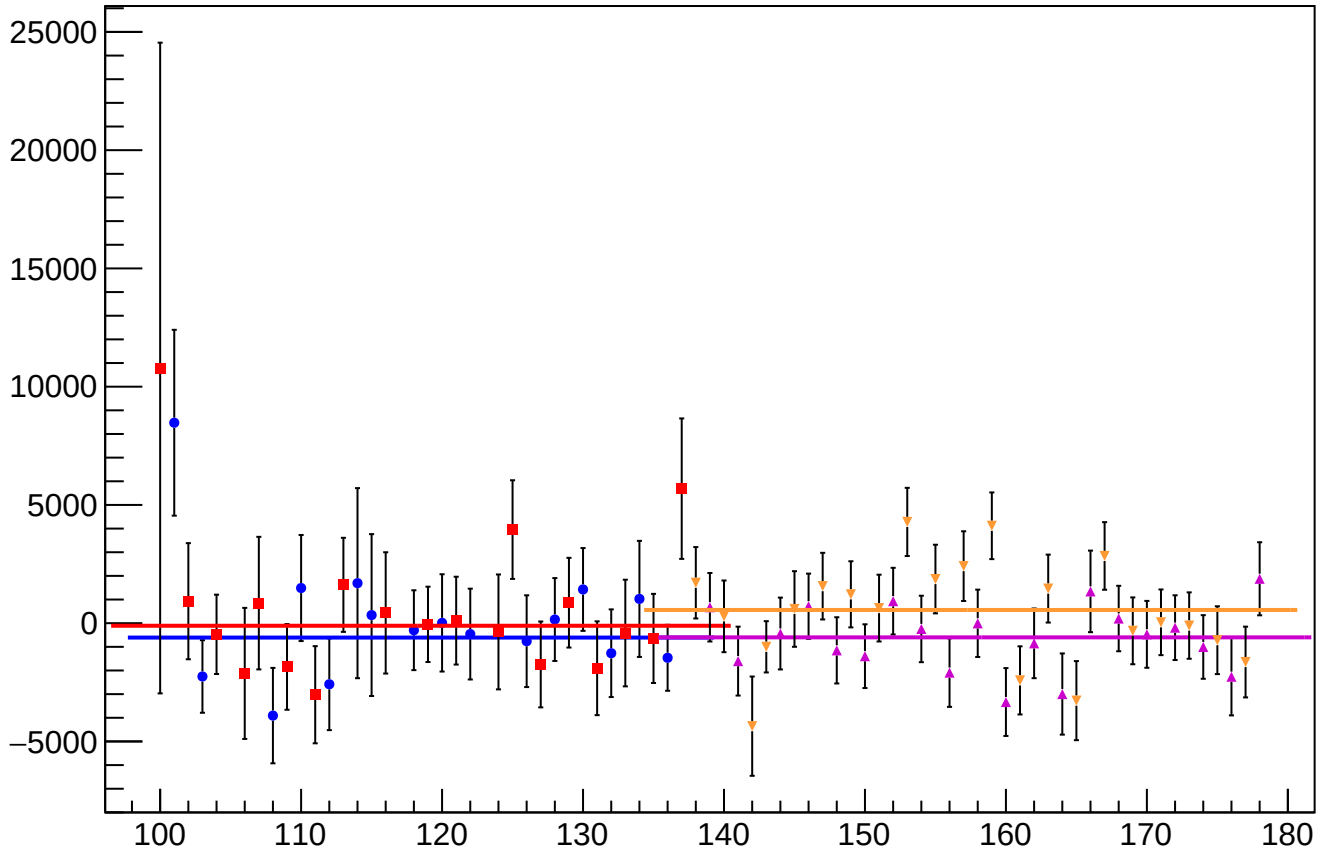
Left: 4215.160+/-0.534 χ^2/NDF: 3029081.8/40

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 4018.994+/-0.600 χ^2/NDF:2016630.0/35

Out: 3701.960+/-0.554 χ^2/NDF:3205716.7/39

All: 3847.838+/-0.407 χ^2/NDF: 5372958.0/75



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: -599.428+/-324.930 χ^2/NDF:16.2/19

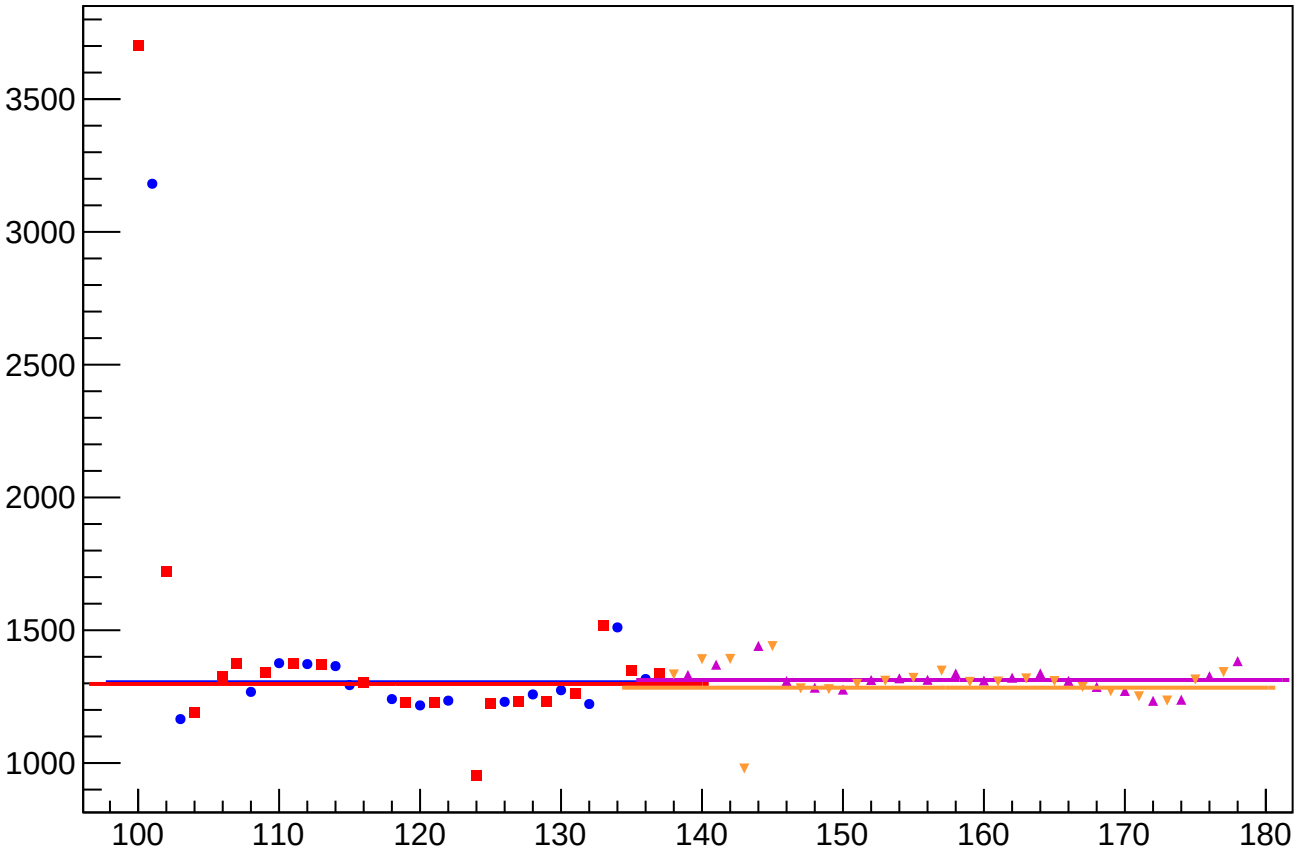
Left: -2.859+/-226.296 χ^2/NDF: 63.2/40

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -601.965+/-271.500 χ^2/NDF:30.3/35

Out: 360.968+/-264.466 χ^2/NDF:56.7/39

All: -107.863+/-189.444 χ^2/NDF: 93.4/75



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: 1312.638+/-0.230 χ^2/NDF:40647.2/19

Left: 1297.736+/-0.160 χ^2/NDF: 259528.4/40

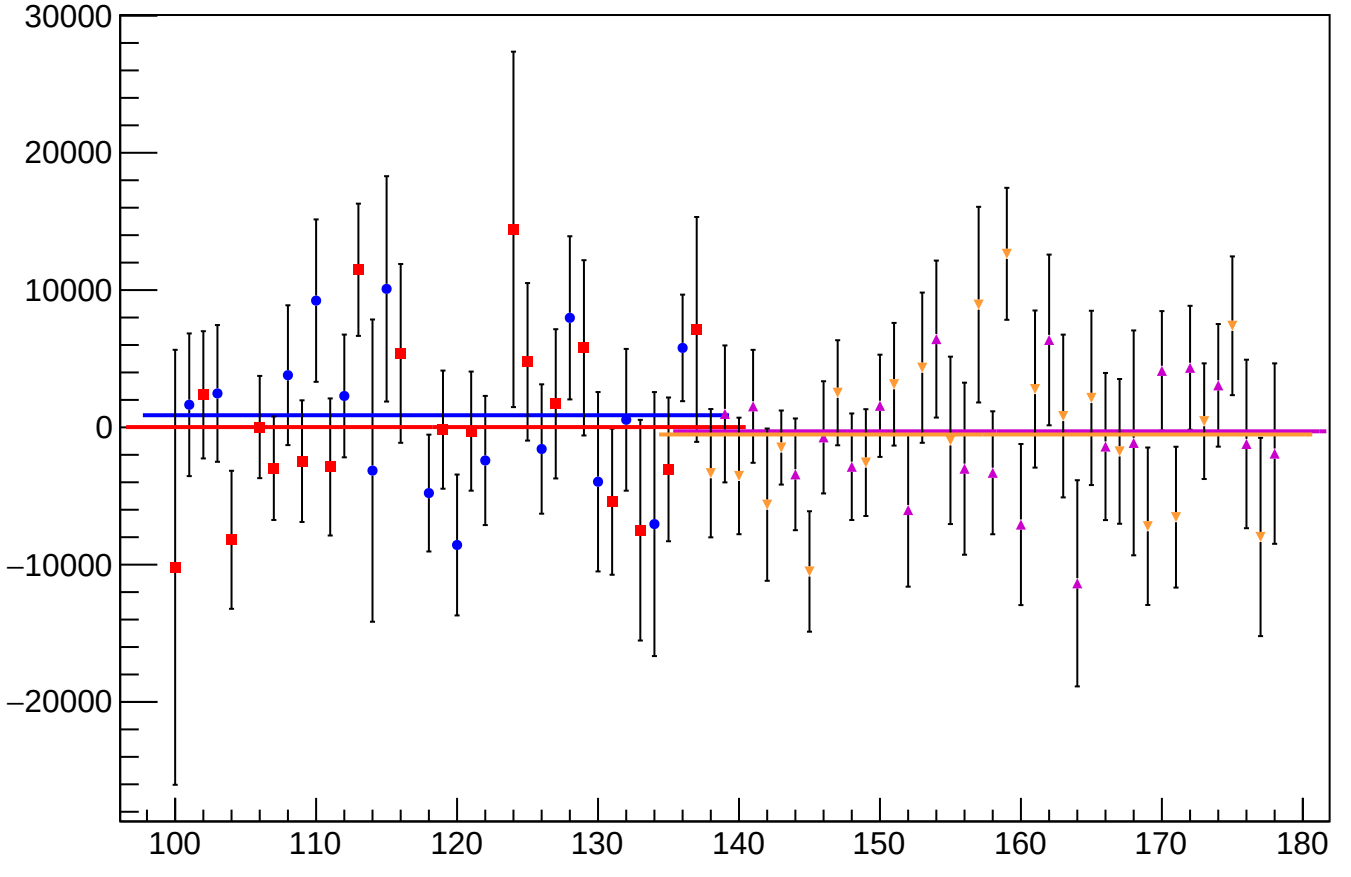
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1310.062+/-0.192 χ^2/NDF:551653.3/35

Out: 1287.886+/-0.187 χ^2/NDF:424996.0/39

All: 1298.680+/-0.134 χ^2/NDF: 983497.2/75

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -517.645+/-1034.804 χ^2/NDF:25.6/20

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -287.074+/-1104.134 χ^2/NDF:12.1/19

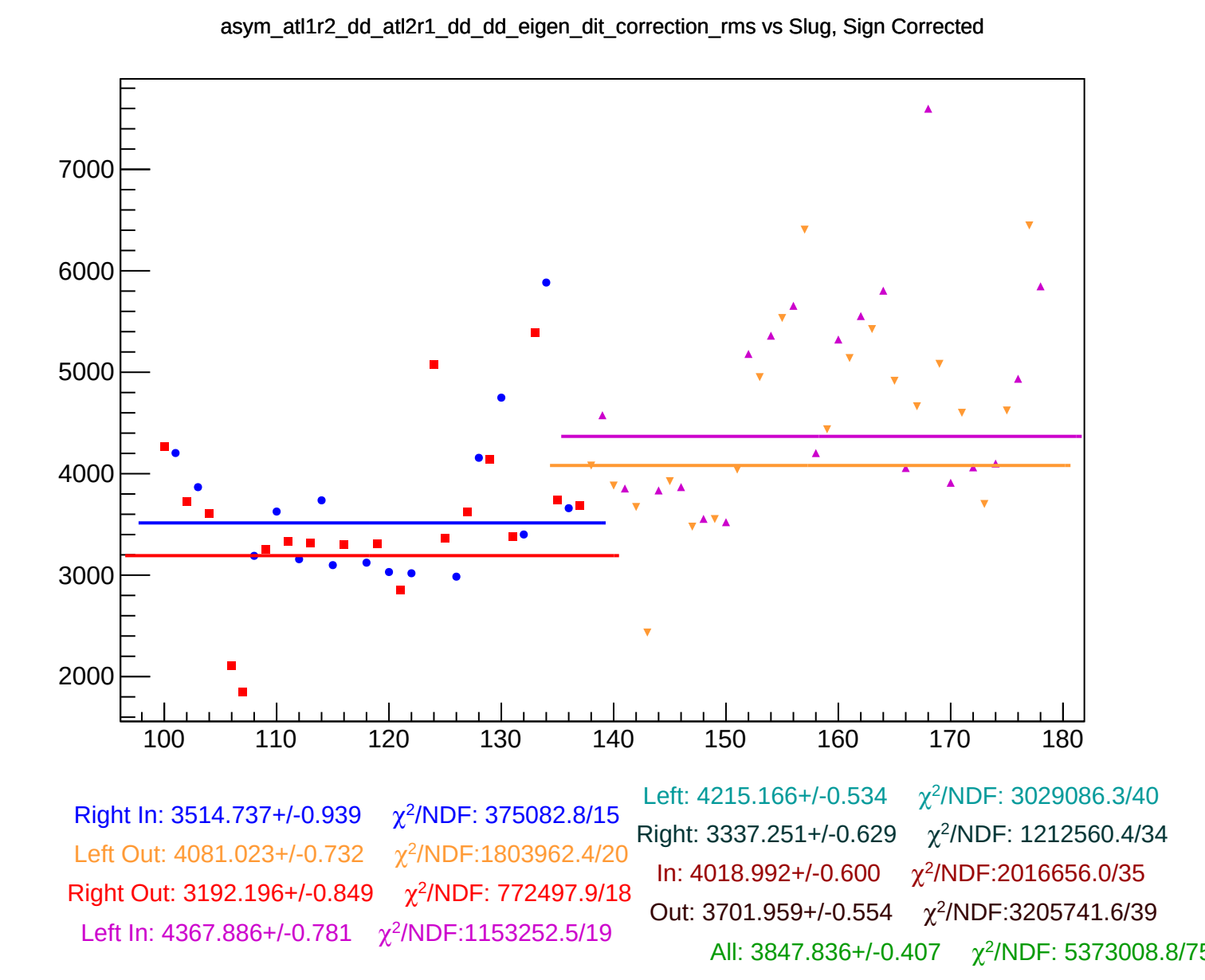
Left: -409.825+/-755.038 χ^2/NDF: 37.7/40

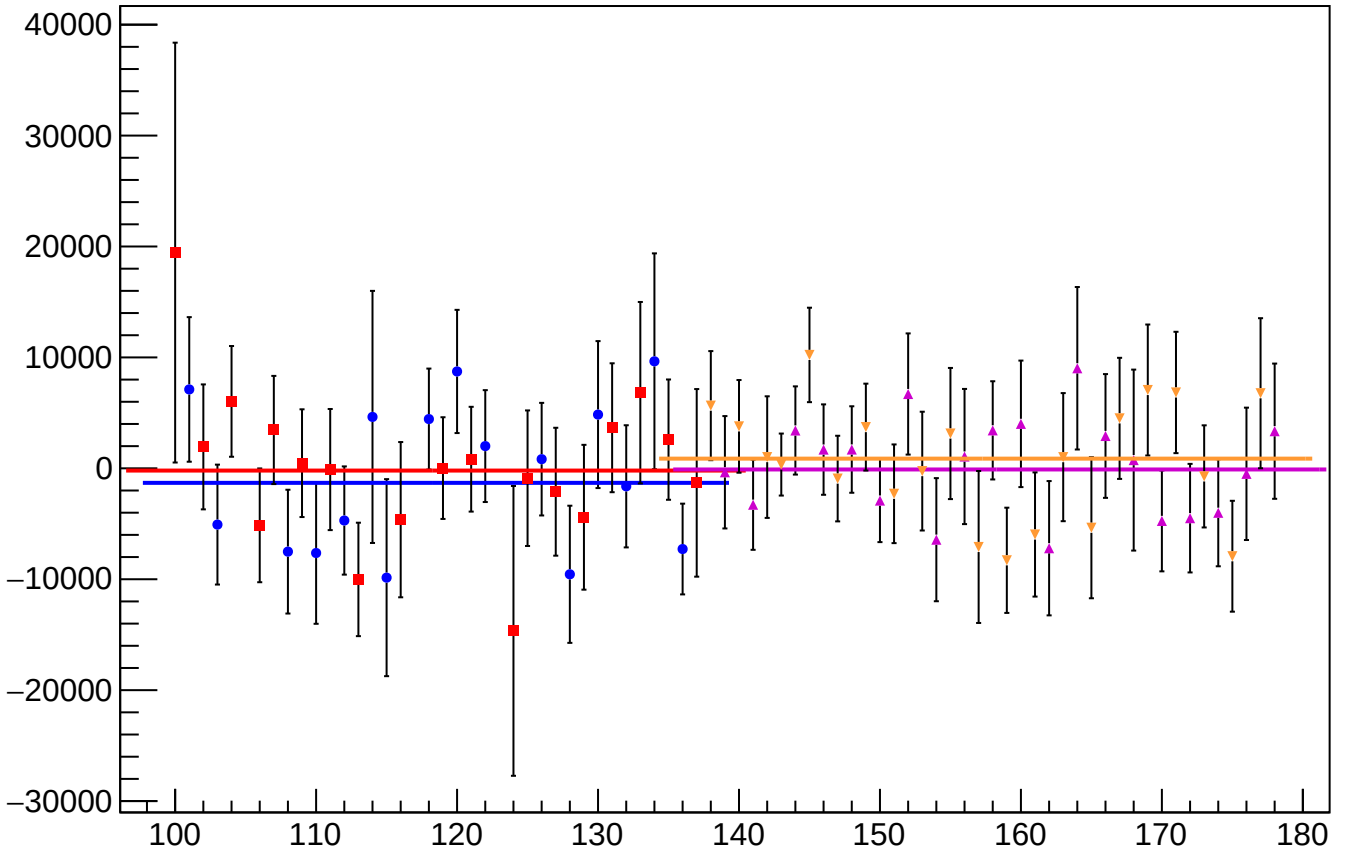
Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 191.854+/-848.857 χ^2/NDF:26.6/35

Out: -288.063+/-783.670 χ^2/NDF:42.5/39

All: -67.237+/-575.807 χ^2/NDF: 69.3/75


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
Right In: 3514.737+/-0.939 χ²/NDF: 375082.8/15
Left Out: 4081.023+/-0.732 χ²/NDF:1803962.4/20
Right Out: 3192.196+/-0.849 χ²/NDF: 772497.9/18
Left In: 4367.886+/-0.781 χ²/NDF:1153252.5/19
Left: 4215.166+/-0.534 χ²/NDF: 3029086.3/40
Right: 3337.251+/-0.629 χ²/NDF: 1212560.4/34
In: 4018.992+/-0.600 χ²/NDF:2016656.0/35
Out: 3701.959+/-0.554 χ²/NDF:3205741.6/39
All: 3847.836+/-0.407 χ²/NDF: 5373008.8/75



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: -102.716+/-1107.223 χ^2/NDF:12.5/19

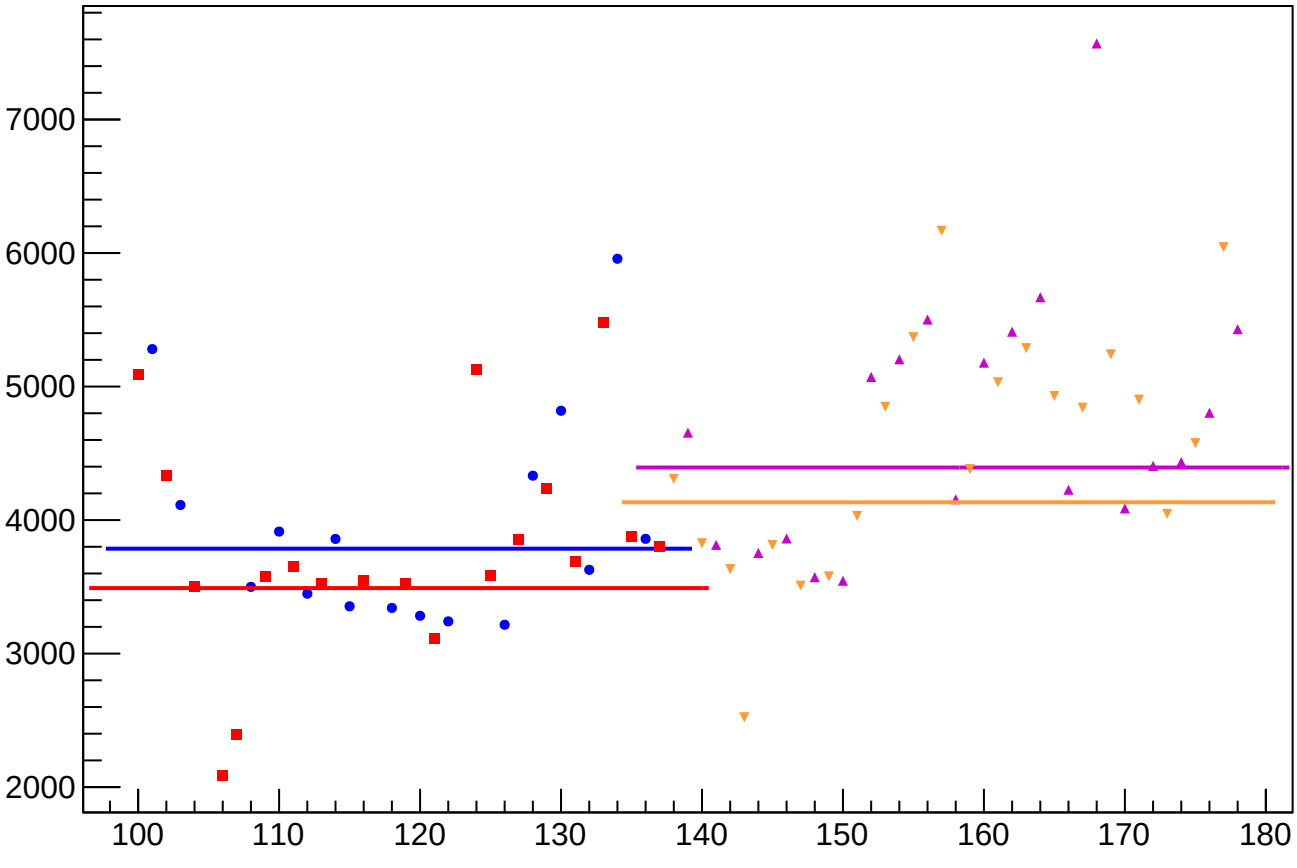
Left: 414.791+/-759.369 χ^2/NDF: 34.9/40

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -554.332+/-875.842 χ^2/NDF:30.5/35

Out: 466.749+/-822.360 χ^2/NDF:34.0/39

All: -11.666+/-599.512 χ^2/NDF: 65.2/75



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: 4393.657+/-0.783 χ^2/NDF:1004815.9/19

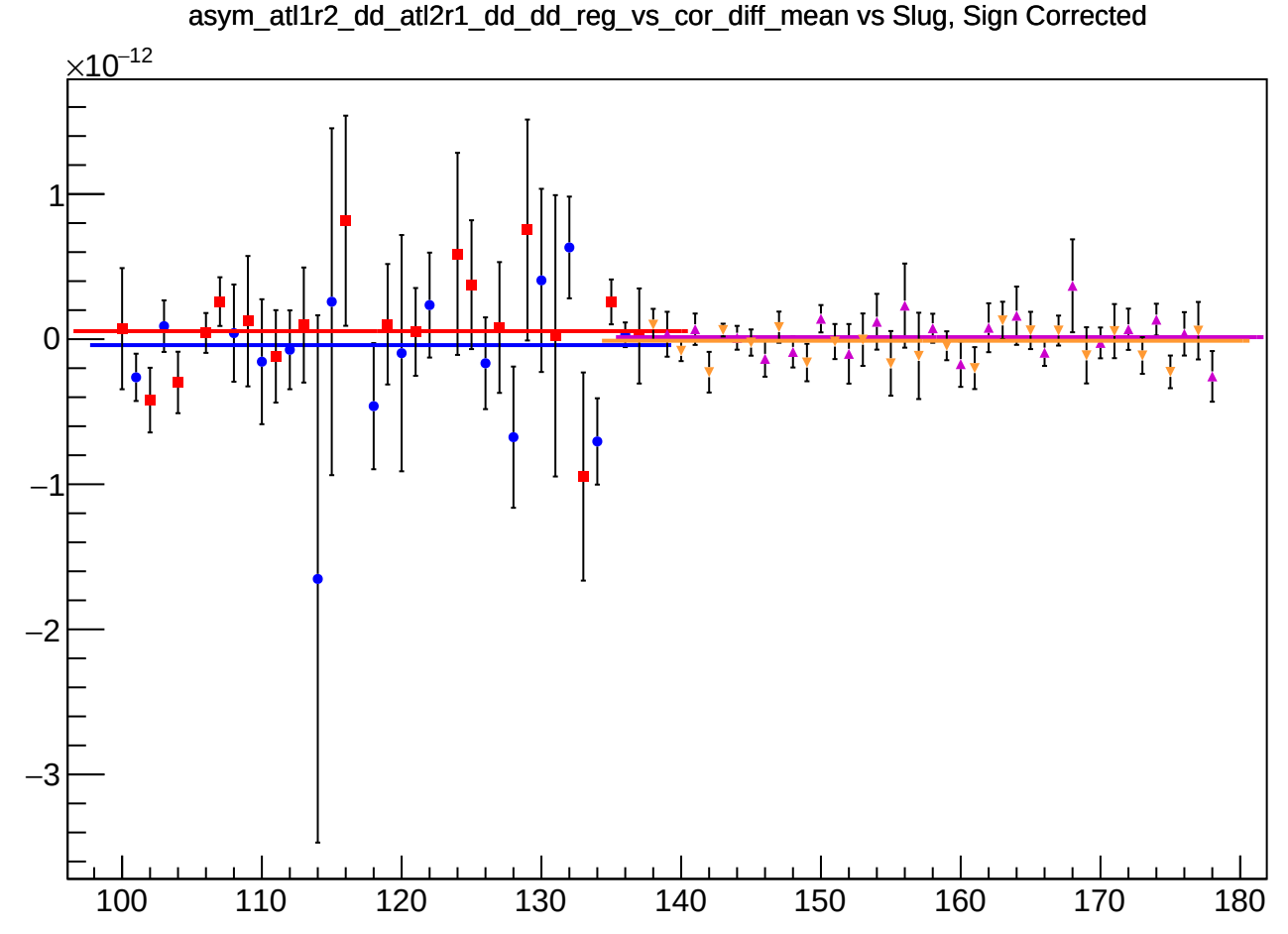
Left: 4255.878+/-0.537 χ^2/NDF: 2649155.0/40

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4166.138+/-0.619 χ^2/NDF:1613440.0/35

Out: 3885.783+/-0.578 χ^2/NDF:2465150.4/39

All: 4016.408+/-0.423 χ^2/NDF: 4188035.1/75



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:14.6/19

Left: -0.000+/-0.000 χ^2/NDF: 33.5/40

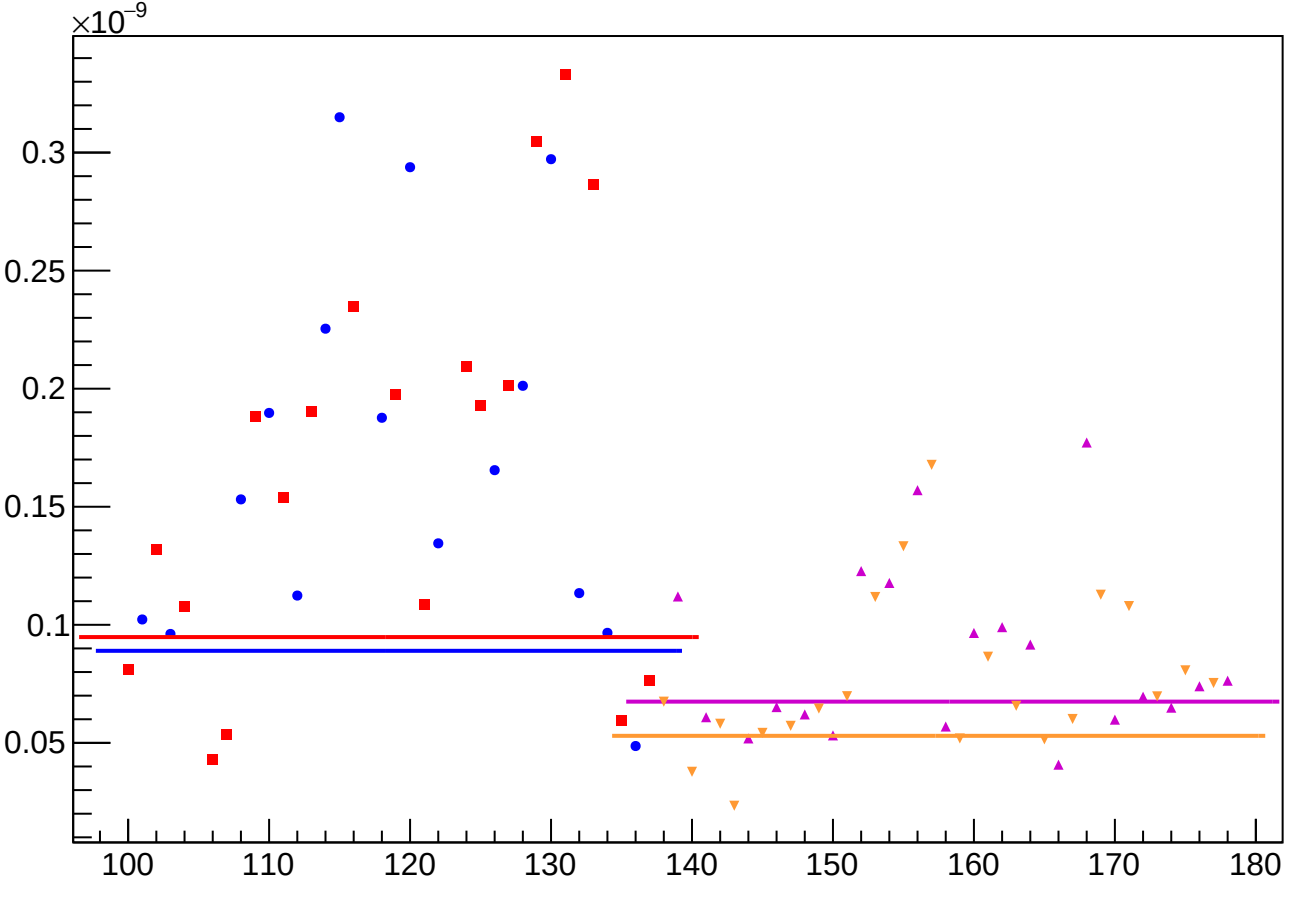
Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:32.0/35

Out: -0.000+/-0.000 χ^2/NDF:35.3/39

All: -0.000+/-0.000 χ^2/NDF: 67.3/75

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2547856.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1385441.0/19

Left: 0.000+/-0.000 χ^2/NDF: 4242708.1/40

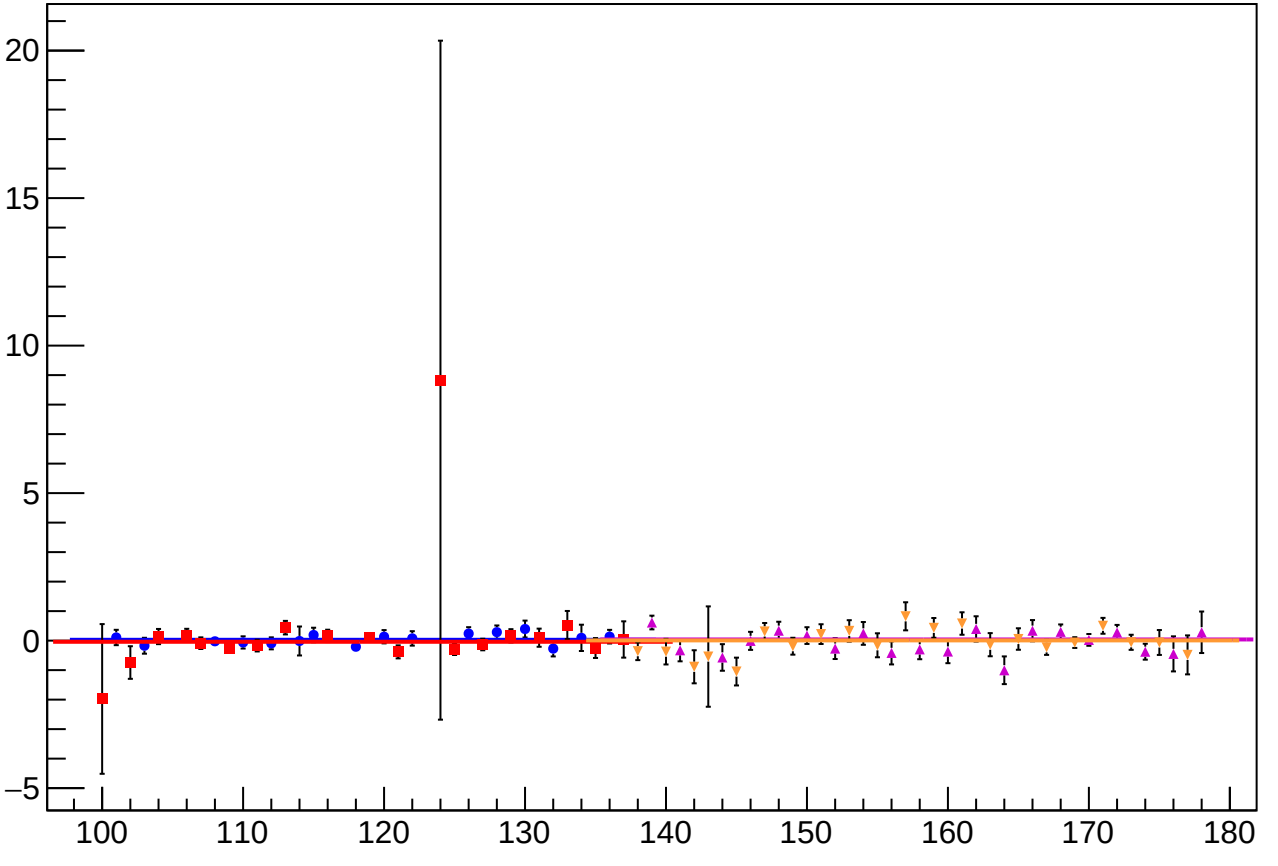
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:3061986.9/35

Out: 0.000+/-0.000 χ^2/NDF:5037116.3/39

All: 0.000+/-0.000 χ^2/NDF: 8425864.5/75

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: 0.040+/-0.072 χ^2/NDF:26.0/19

Left: 0.024+/-0.051 χ^2/NDF: 50.9/40

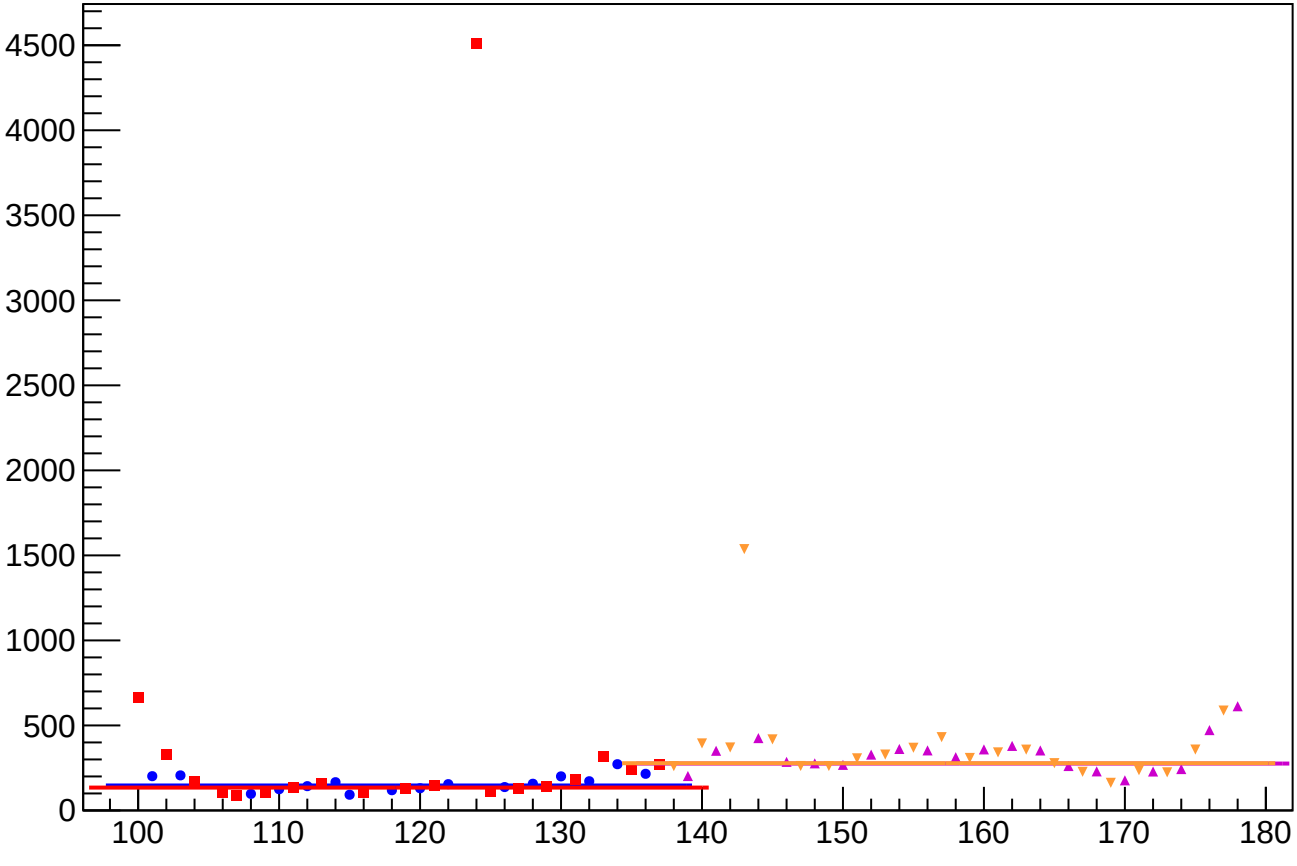
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.032+/-0.045 χ^2/NDF:35.4/35

Out: -0.022+/-0.044 χ^2/NDF:45.1/39

All: 0.004+/-0.031 χ^2/NDF: 81.3/75

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: 275.800+/-0.051 χ^2/NDF:2341639.7/19

Left: 276.816+/-0.036 χ^2/NDF: 5879196.0/40

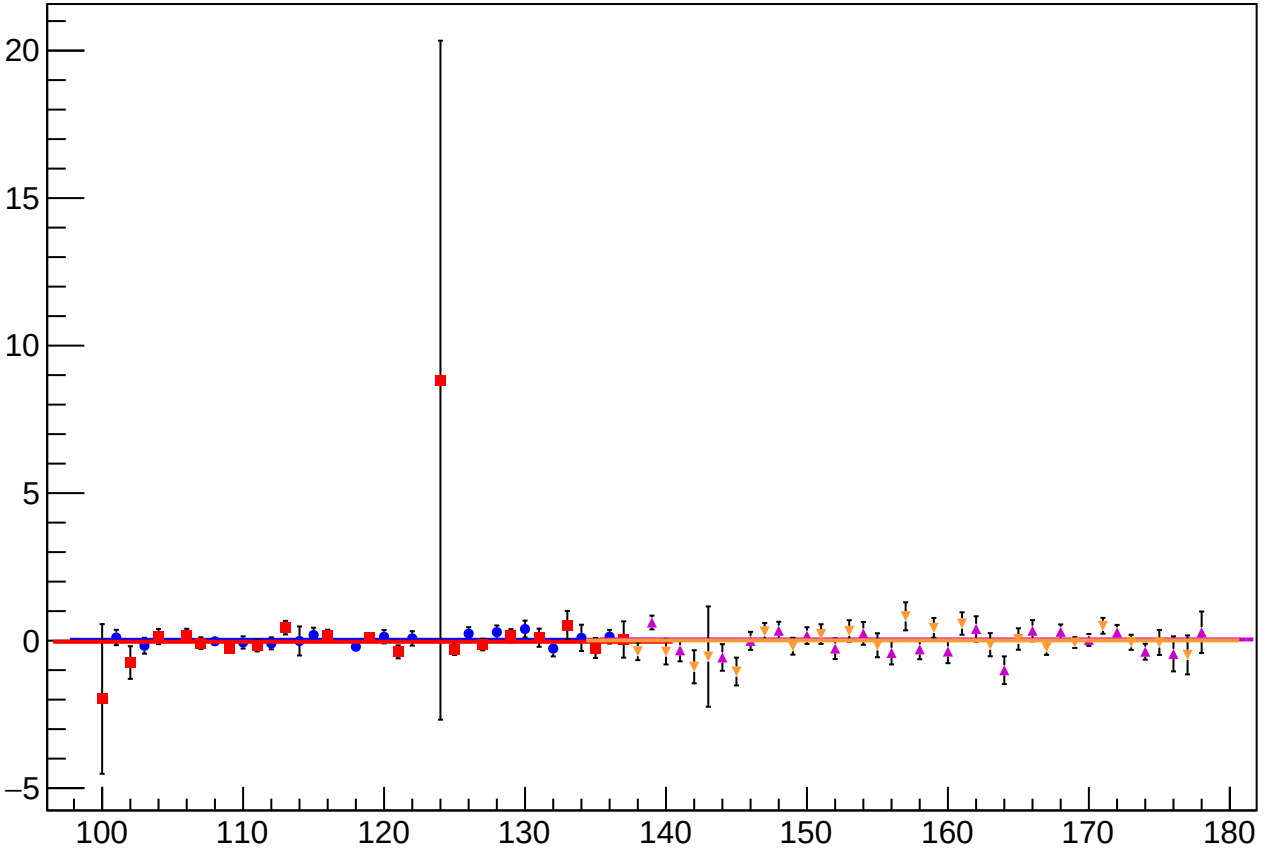
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 197.389+/-0.032 χ^2/NDF:7257238.9/35

Out: 186.188+/-0.031 χ^2/NDF:10081368.0/39

All: 191.639+/-0.022 χ^2/NDF: 17402242.1/75

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: 0.040+/-0.072 χ^2/NDF:26.0/19

Left: 0.024+/-0.051 χ^2/NDF: 50.9/40

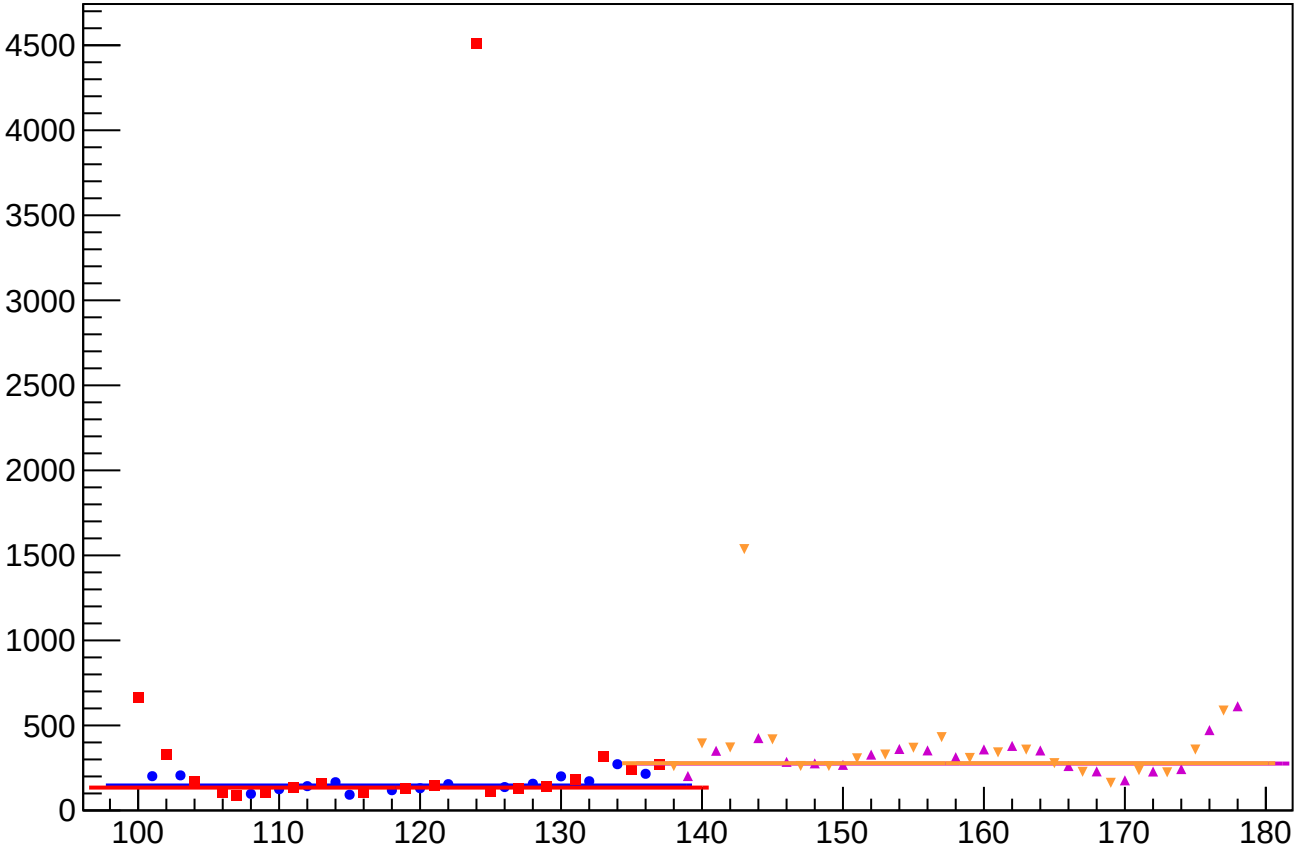
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.032+/-0.045 χ^2/NDF:35.4/35

Out: -0.022+/-0.044 χ^2/NDF:45.1/39

All: 0.004+/-0.031 χ^2/NDF: 81.3/75

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: 275.800+/-0.051 χ^2/NDF:2341639.7/19

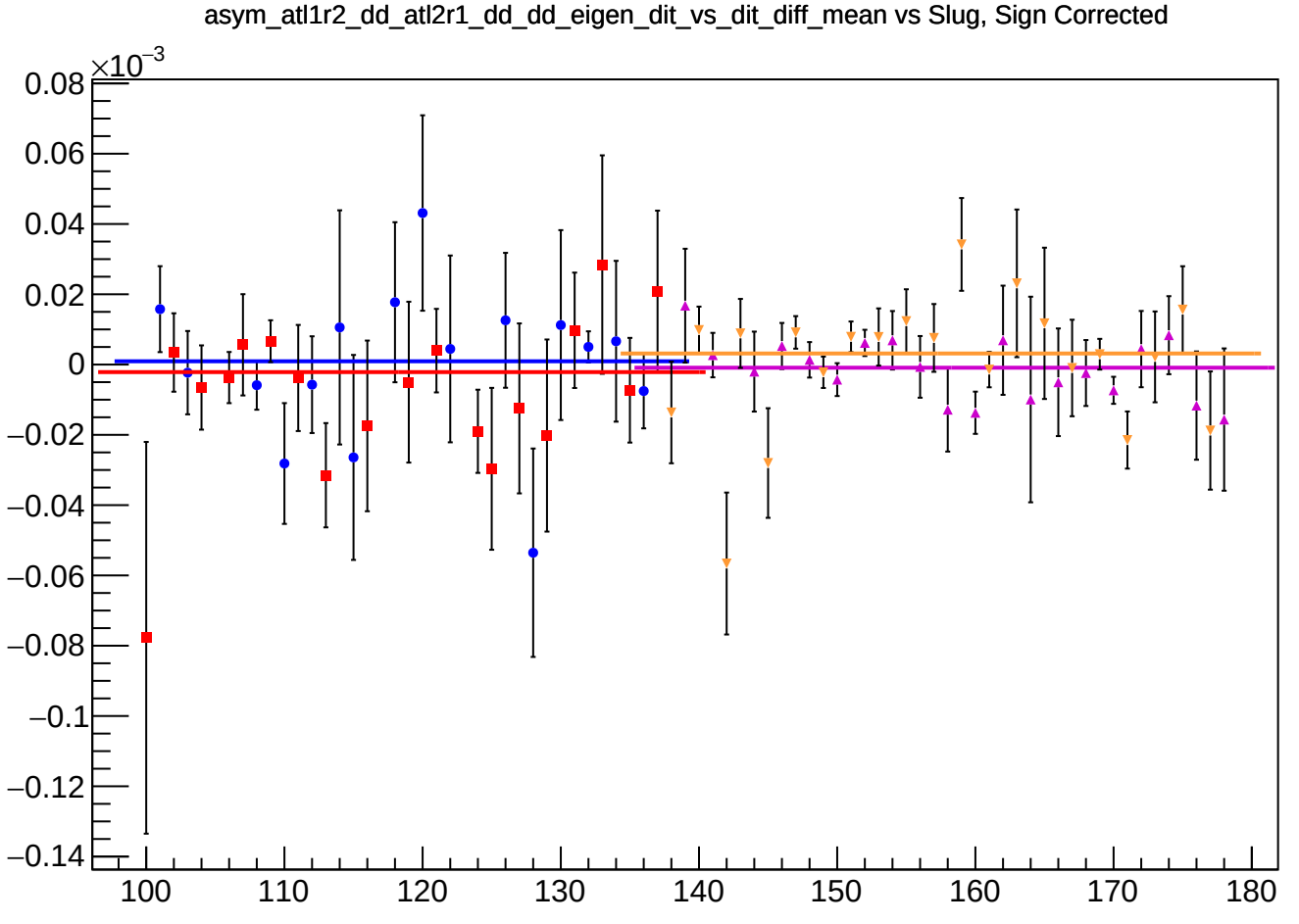
Left: 276.816+/-0.036 χ^2/NDF: 5879196.0/40

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

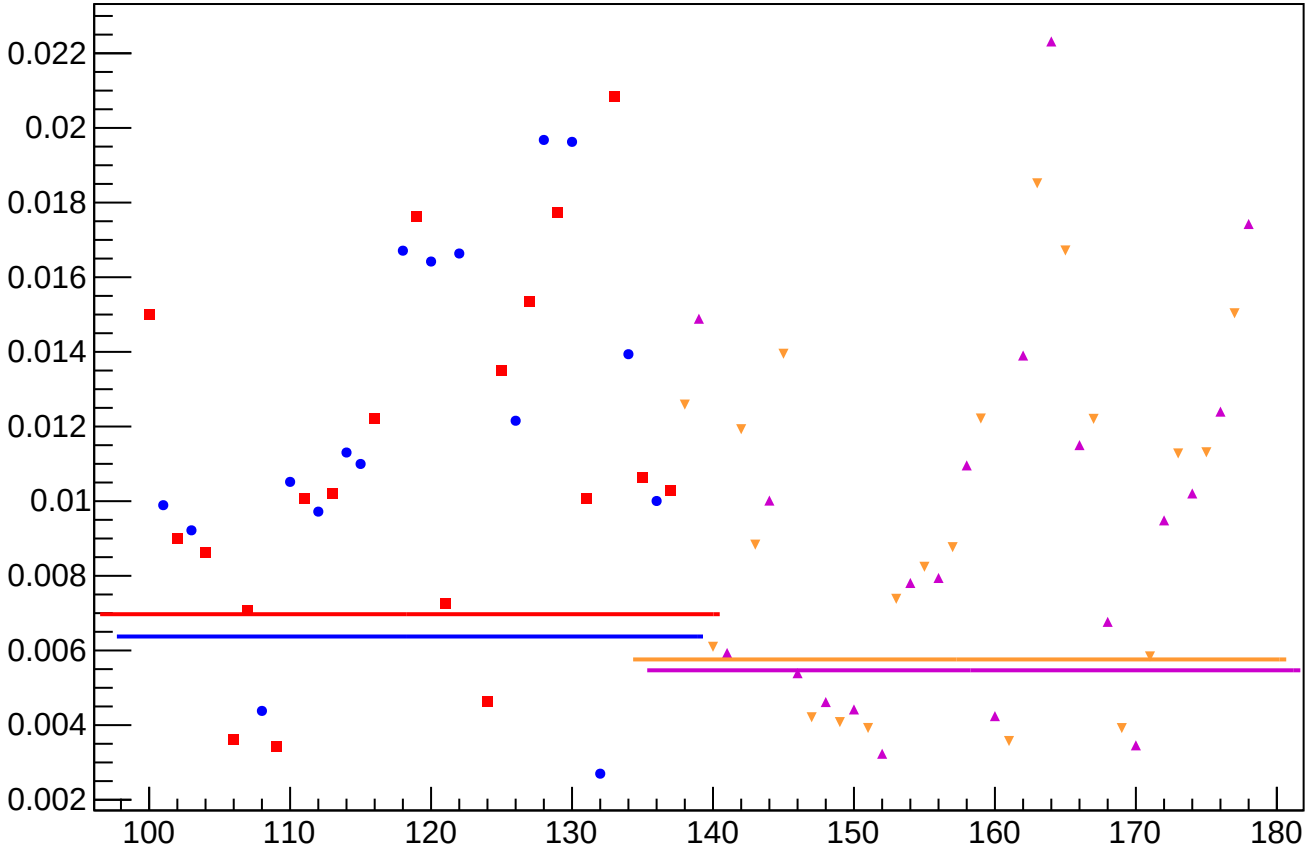
In: 197.389+/-0.032 χ^2/NDF:7257238.9/35

Out: 186.188+/-0.031 χ^2/NDF:10081368.0/39

All: 191.639+/-0.022 χ^2/NDF: 17402242.1/75


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: 0.000+/-0.000 χ²/NDF:40.7/20
Right Out: -0.000+/-0.000 χ²/NDF: 16.0/18
Left In: -0.000+/-0.000 χ²/NDF:18.3/19
Left: 0.000+/-0.000 χ²/NDF: 62.2/40
Right: -0.000+/-0.000 χ²/NDF: 31.5/34
In: -0.000+/-0.000 χ²/NDF:33.5/35
Out: 0.000+/-0.000 χ²/NDF:59.1/39
All: 0.000+/-0.000 χ²/NDF: 94.1/75

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:6952917.2/20

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:6595169.1/19

Left: 0.006+/-0.000 χ^2/NDF: 13580315.6/40

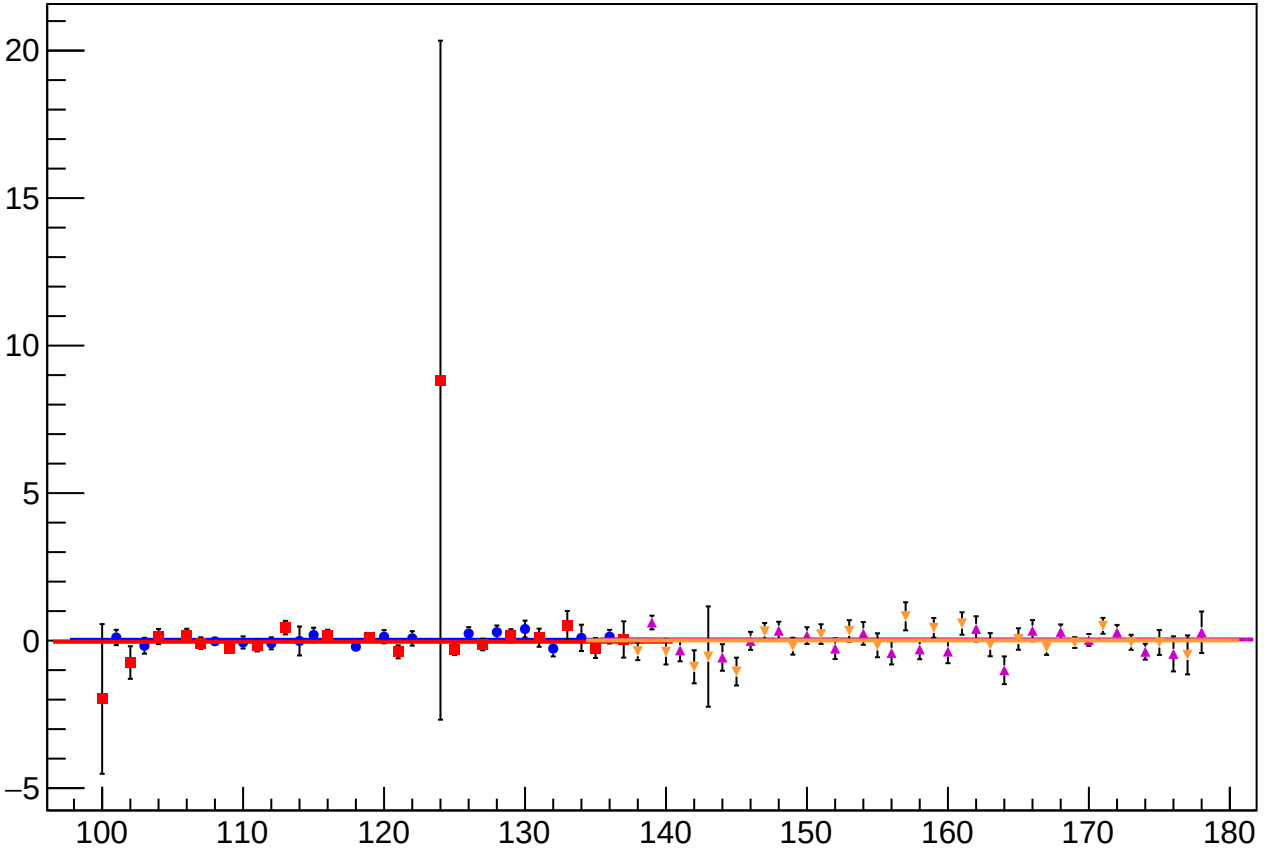
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:11382330.1/35

Out: 0.006+/-0.000 χ^2/NDF:10612034.2/39

All: 0.006+/-0.000 χ^2/NDF: 22058554.1/75

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: 0.040+/-0.072 χ^2/NDF:26.0/19

Left: 0.024+/-0.051 χ^2/NDF: 50.9/40

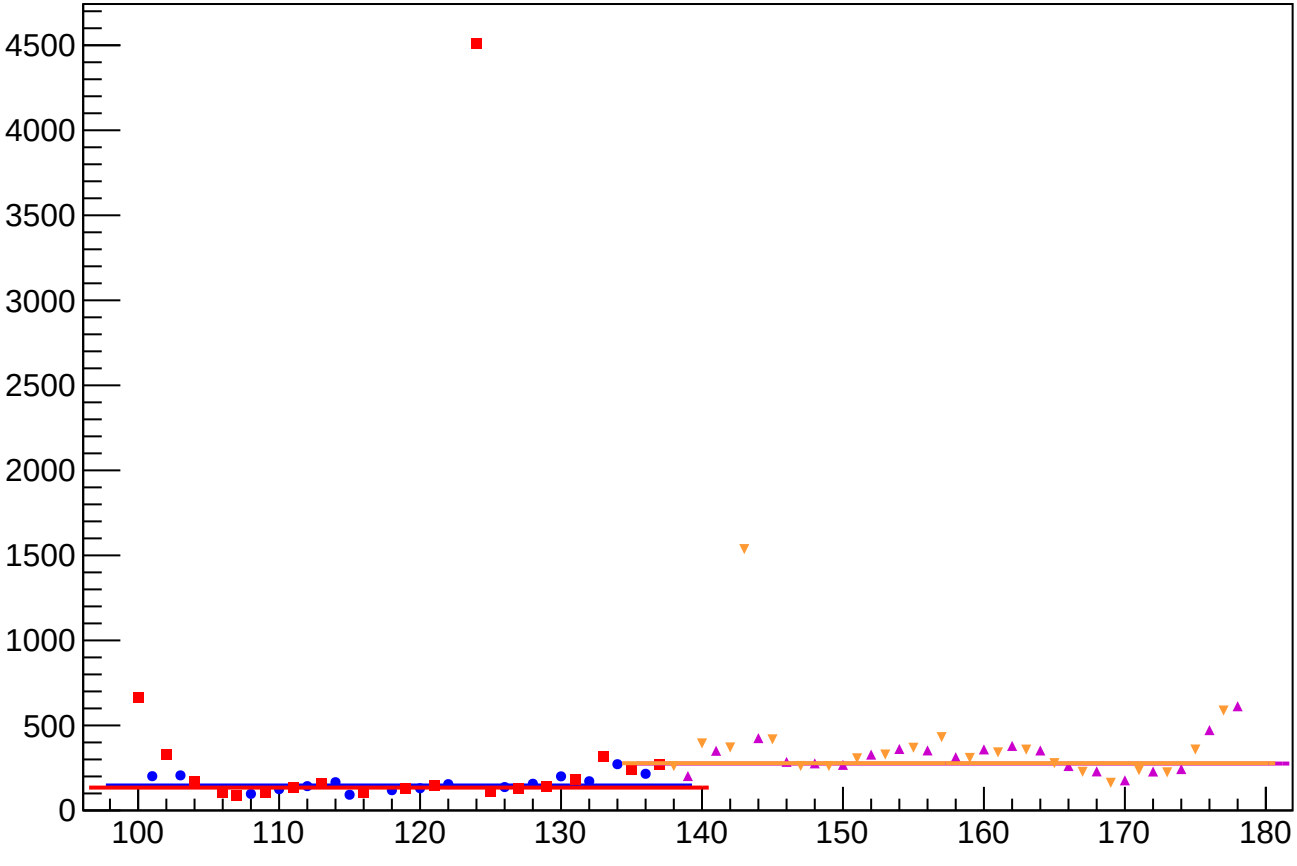
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.032+/-0.045 χ^2/NDF:35.4/35

Out: -0.022+/-0.044 χ^2/NDF:45.1/39

All: 0.004+/-0.031 χ^2/NDF: 81.3/75

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: 275.802+/-0.051 χ^2/NDF:2341728.8/19

Left: 276.816+/-0.036 χ^2/NDF: 5879435.6/40

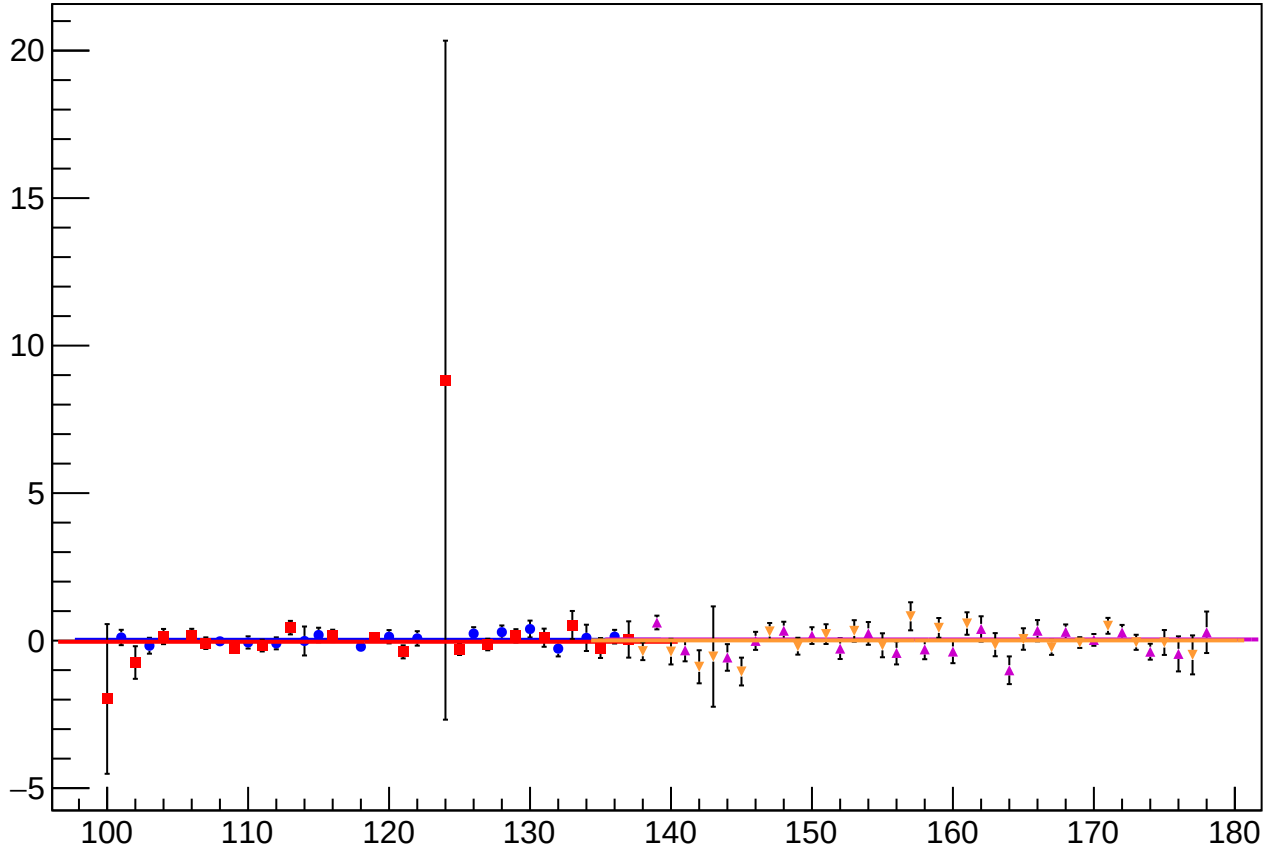
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 197.389+/-0.032 χ^2/NDF:7257334.5/35

Out: 186.189+/-0.031 χ^2/NDF:10081320.3/39

All: 191.639+/-0.022 χ^2/NDF: 17402277.1/75

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: 0.040+/-0.072 χ^2/NDF:26.0/19

Left: 0.024+/-0.051 χ^2/NDF: 50.9/40

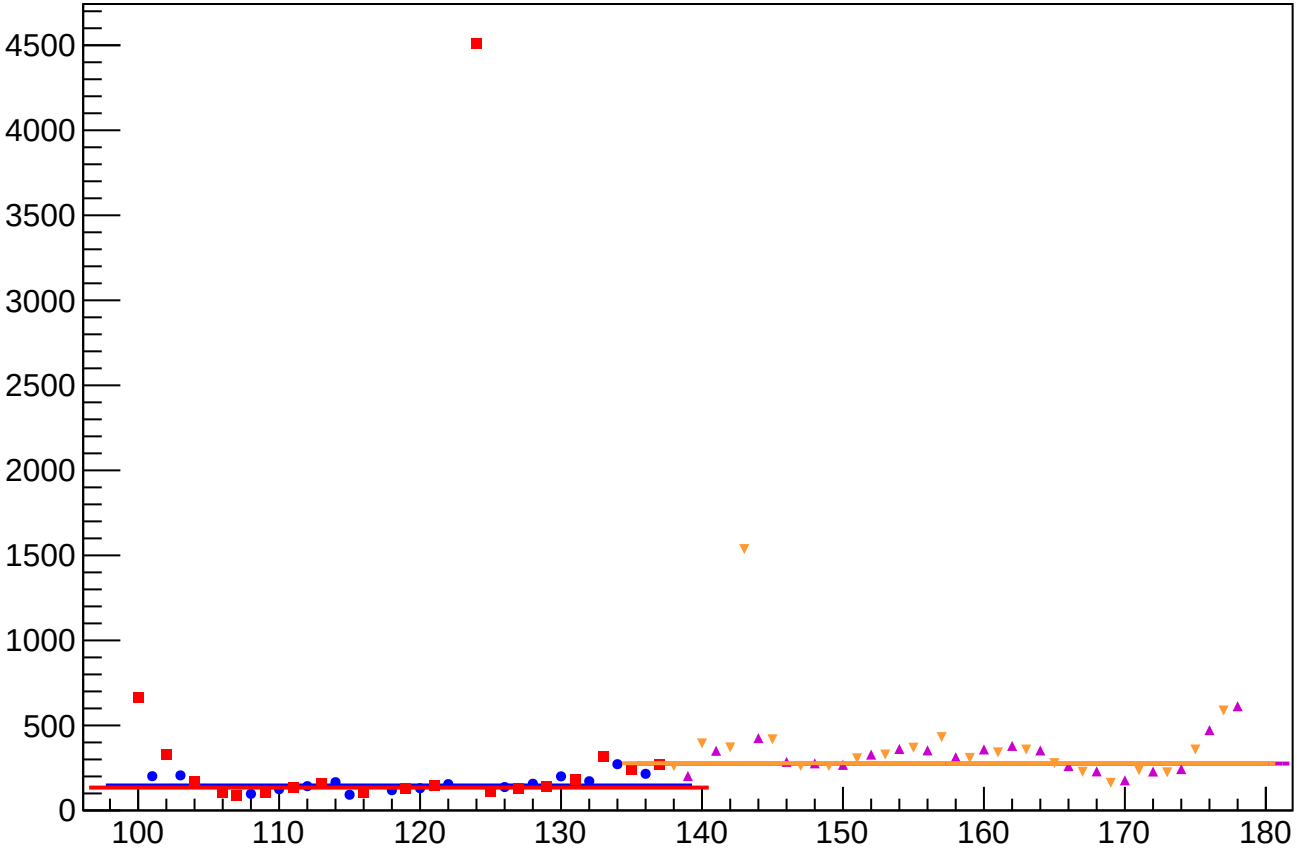
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.032+/-0.045 χ^2/NDF:35.4/35

Out: -0.022+/-0.044 χ^2/NDF:45.1/39

All: 0.004+/-0.031 χ^2/NDF: 81.3/75

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: 275.802+/-0.051 χ^2/NDF:2341728.8/19

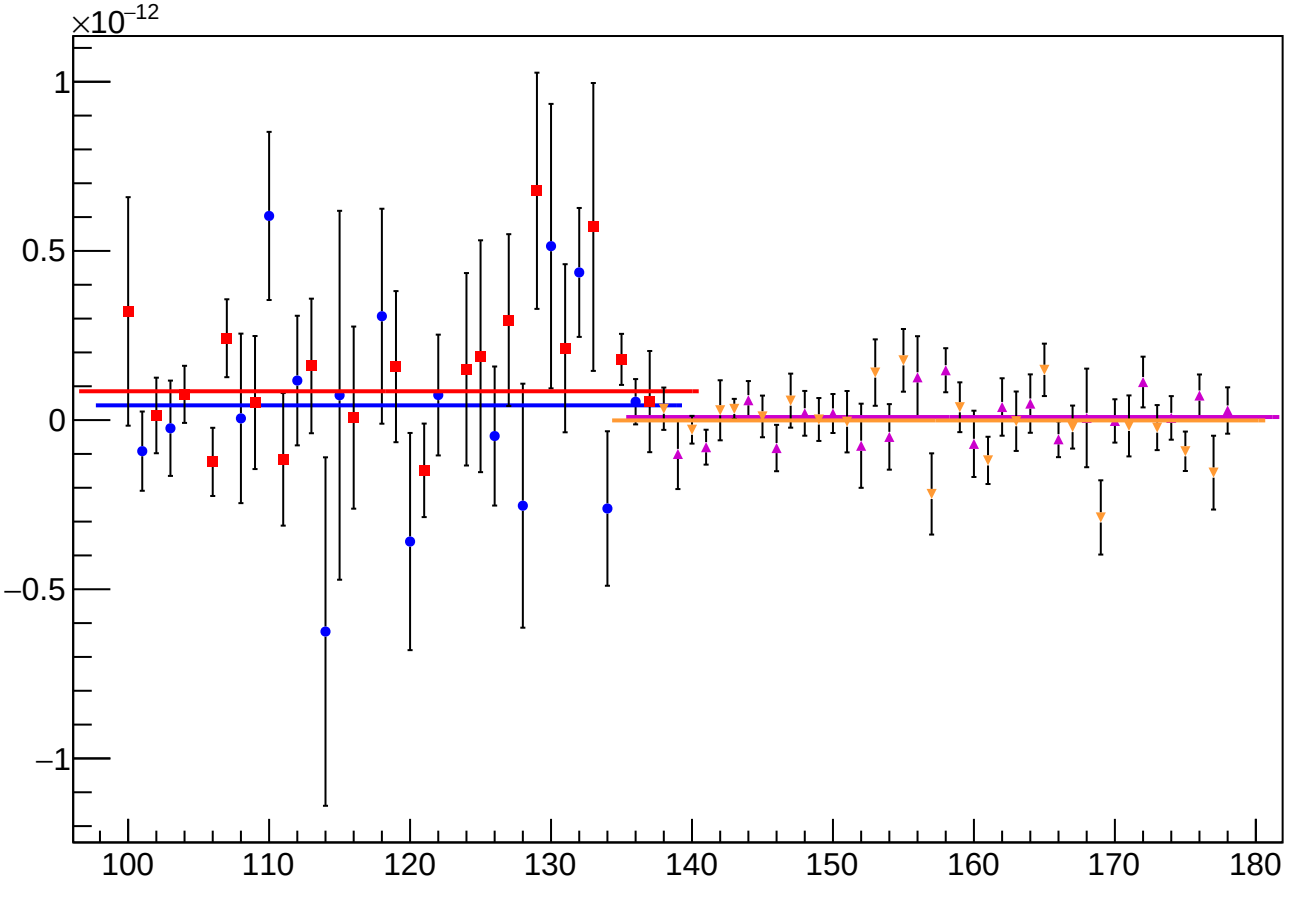
Left: 276.816+/-0.036 χ^2/NDF: 5879435.6/40

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 197.389+/-0.032 χ^2/NDF:7257334.5/35

Out: 186.189+/-0.031 χ^2/NDF:10081320.3/39

All: 191.639+/-0.022 χ^2/NDF: 17402277.1/75



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:18.6/19

Left: 0.000+/-0.000 χ^2/NDF: 49.0/40

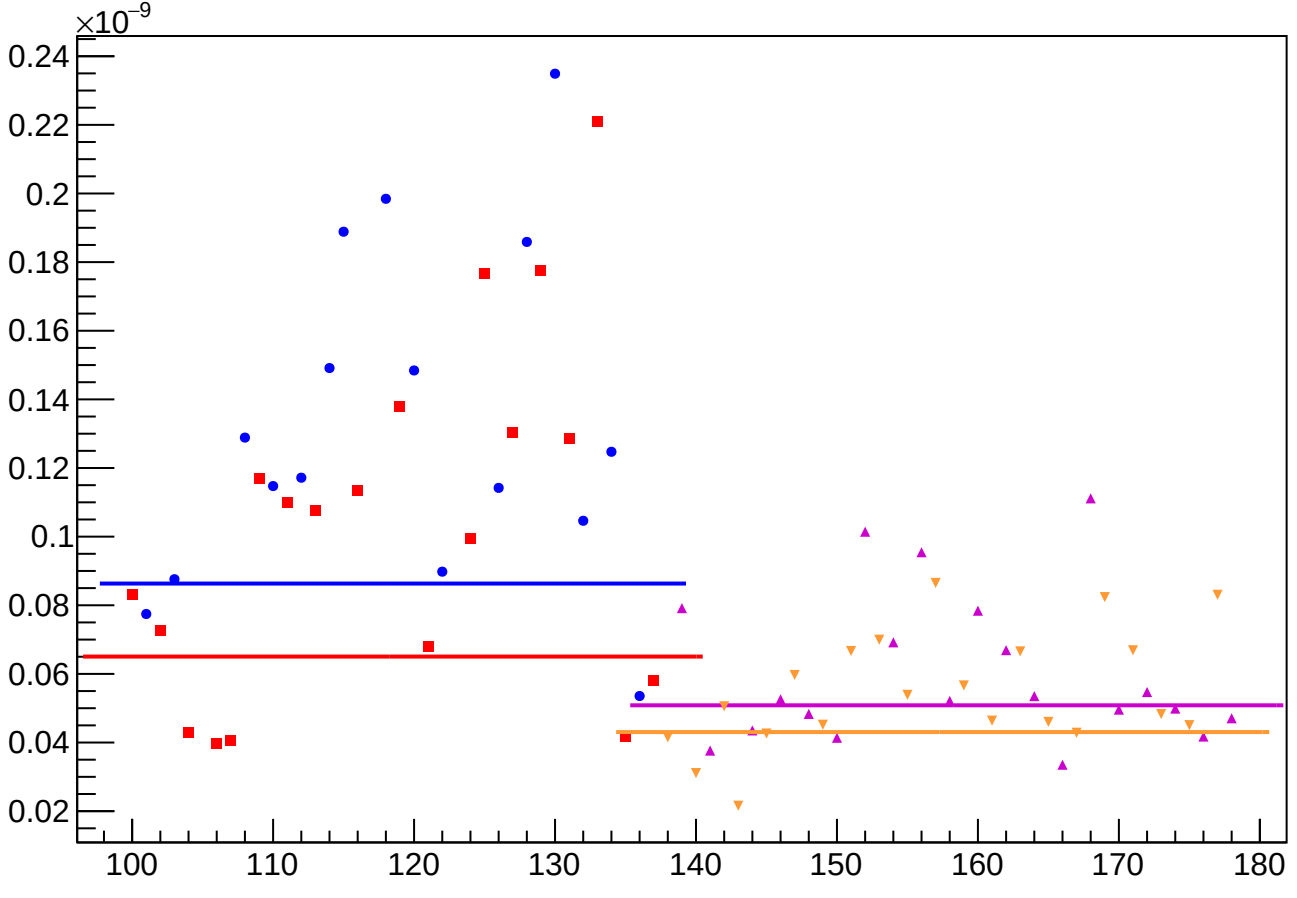
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:38.1/35

Out: 0.000+/-0.000 χ^2/NDF:53.8/39

All: 0.000+/-0.000 χ^2/NDF: 91.9/75

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:1889080.7/19

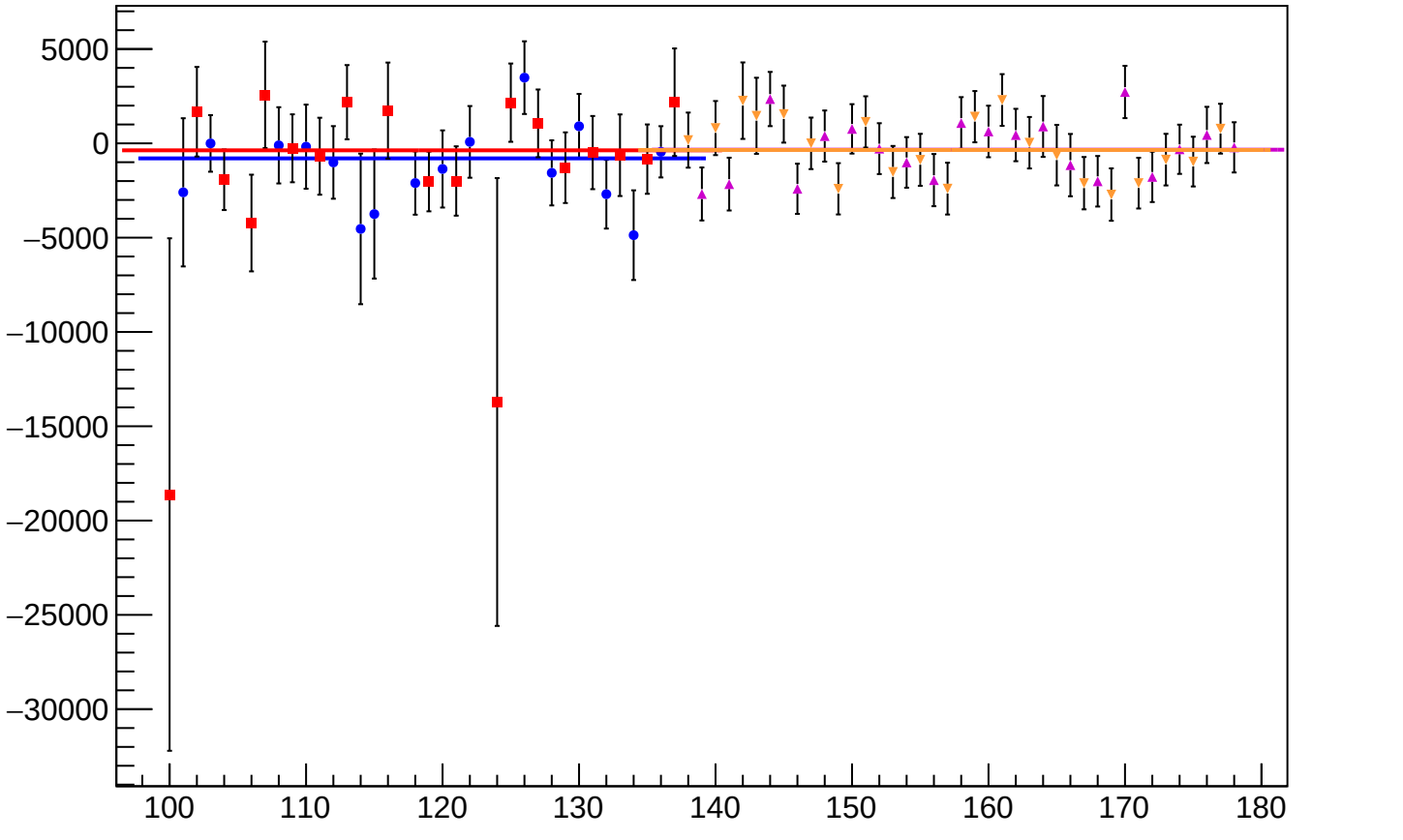
Left: 0.000+/-0.000 χ^2/NDF: 4953860.1/40

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:4664067.6/35

Out: 0.000+/-0.000 χ^2/NDF:5662511.0/39

All: 0.000+/-0.000 χ^2/NDF: 10727177.2/75



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: -337.553+/-310.167 χ^2/NDF:23.6/19

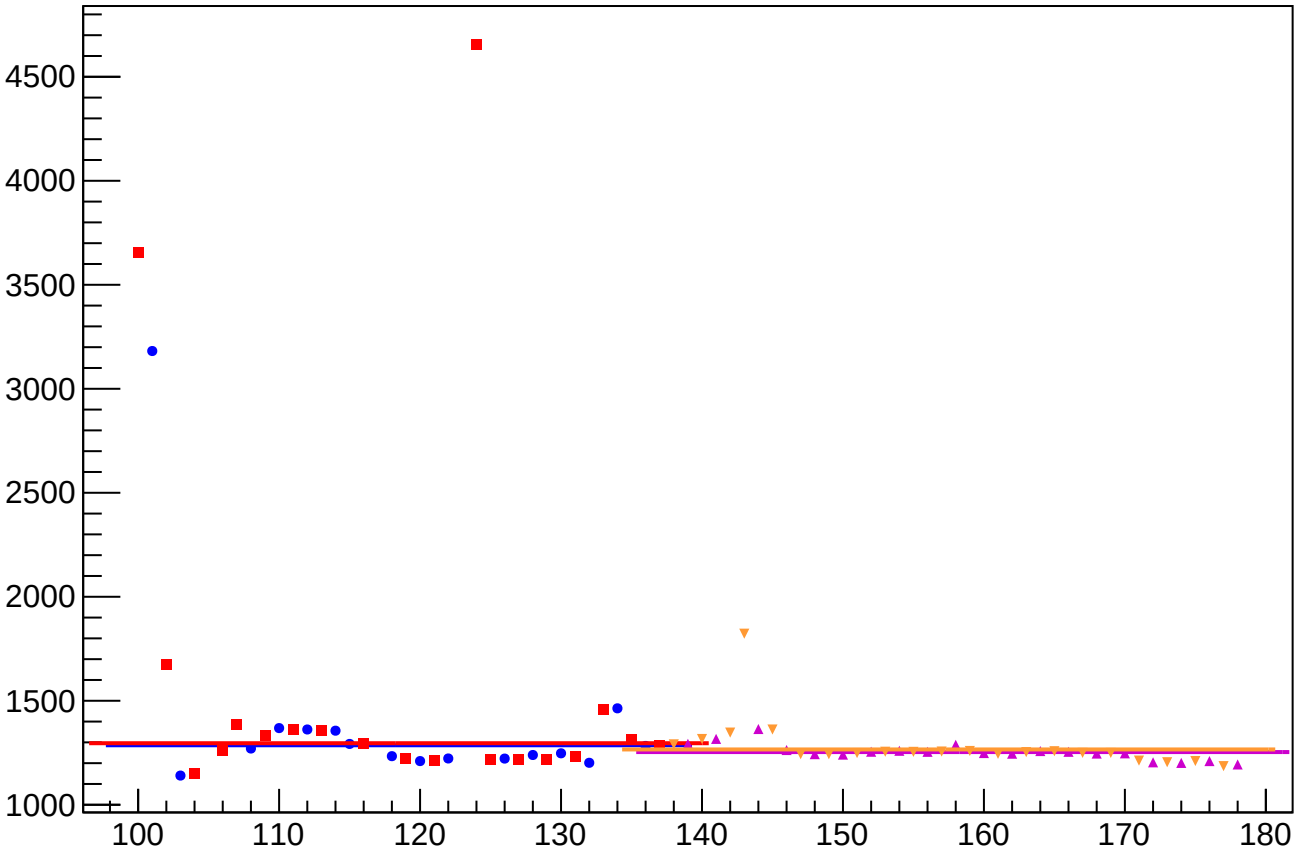
Left: -344.338+/-219.555 χ^2/NDF: 47.9/40

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -470.046+/-261.684 χ^2/NDF:37.6/35

Out: -356.629+/-261.827 χ^2/NDF:39.9/39

All: -413.368+/-185.089 χ^2/NDF: 77.6/75



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: 1253.384+/-0.219 χ^2/NDF:31113.9/19

Left: 1259.653+/-0.155 χ^2/NDF: 220576.1/40

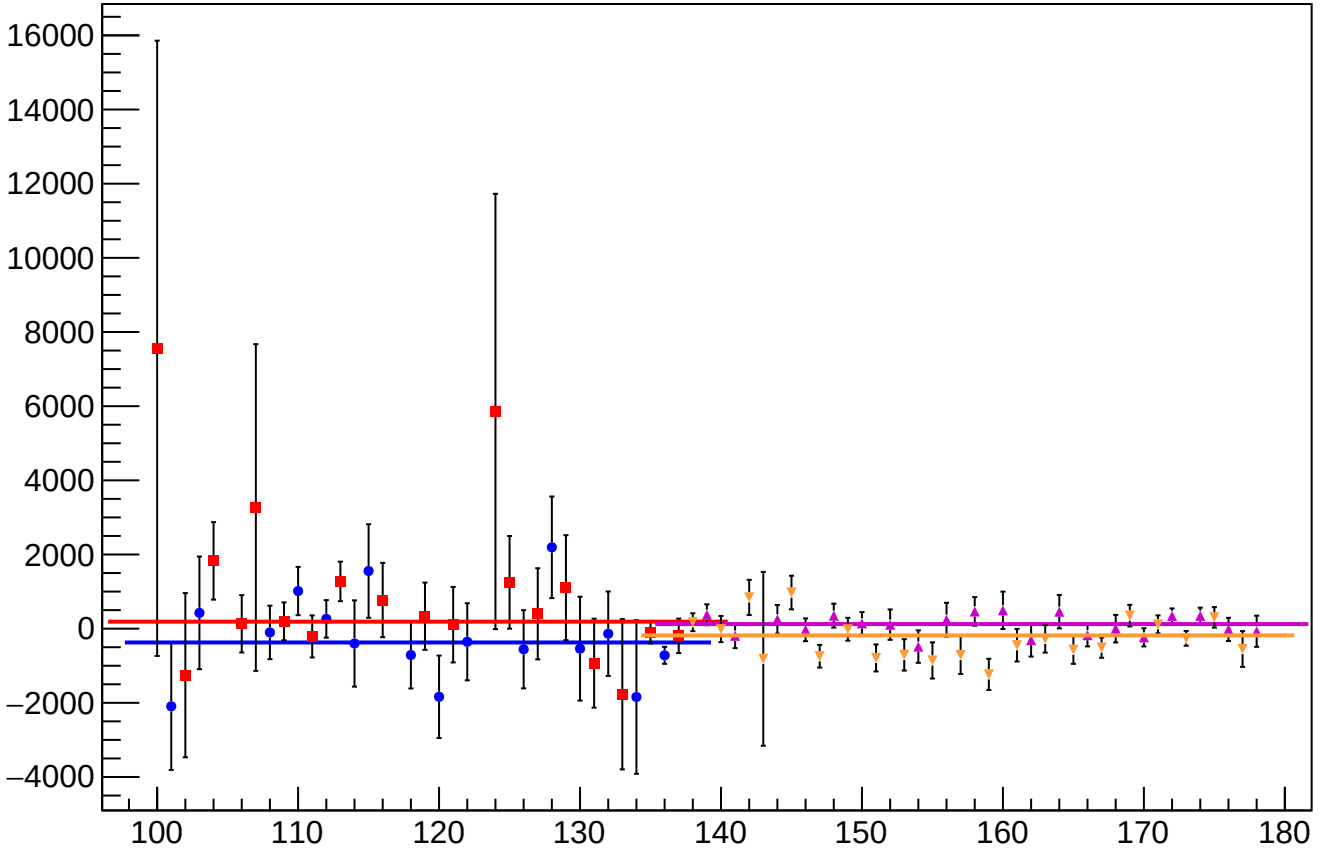
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1262.812+/-0.185 χ^2/NDF:555652.6/35

Out: 1274.660+/-0.185 χ^2/NDF:521303.9/39

All: 1268.733+/-0.131 χ^2/NDF: 1079005.4/75

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: 123.878+/-72.178 χ^2/NDF:13.2/19

Left: -26.980+/-51.381 χ^2/NDF: 64.6/40

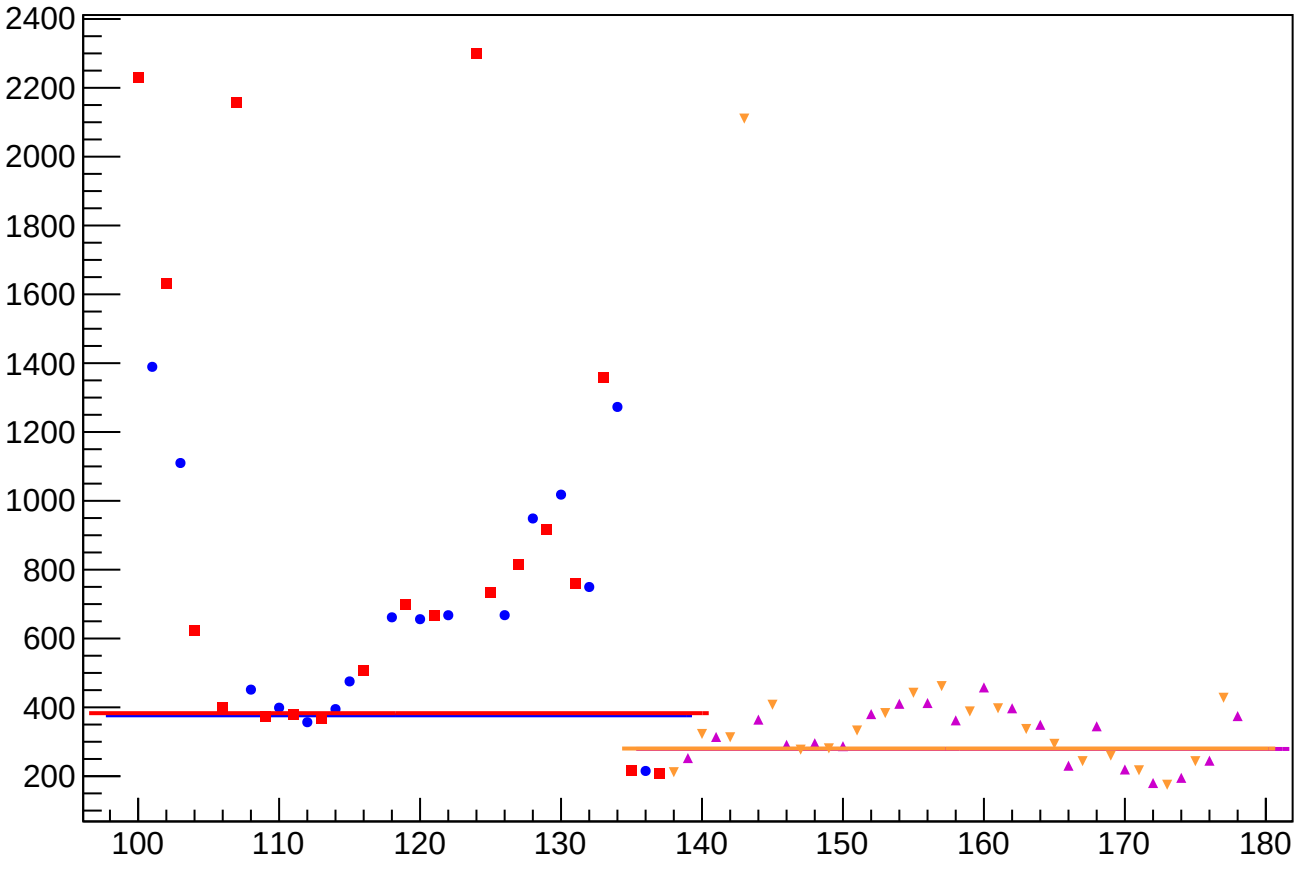
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: 46.717+/-66.329 χ^2/NDF:38.7/35

Out: -123.763+/-67.174 χ^2/NDF:61.2/39

All: -37.444+/-47.198 χ^2/NDF: 103.2/75

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: 279.102+/-0.051 χ^2/NDF:2292660.1/19

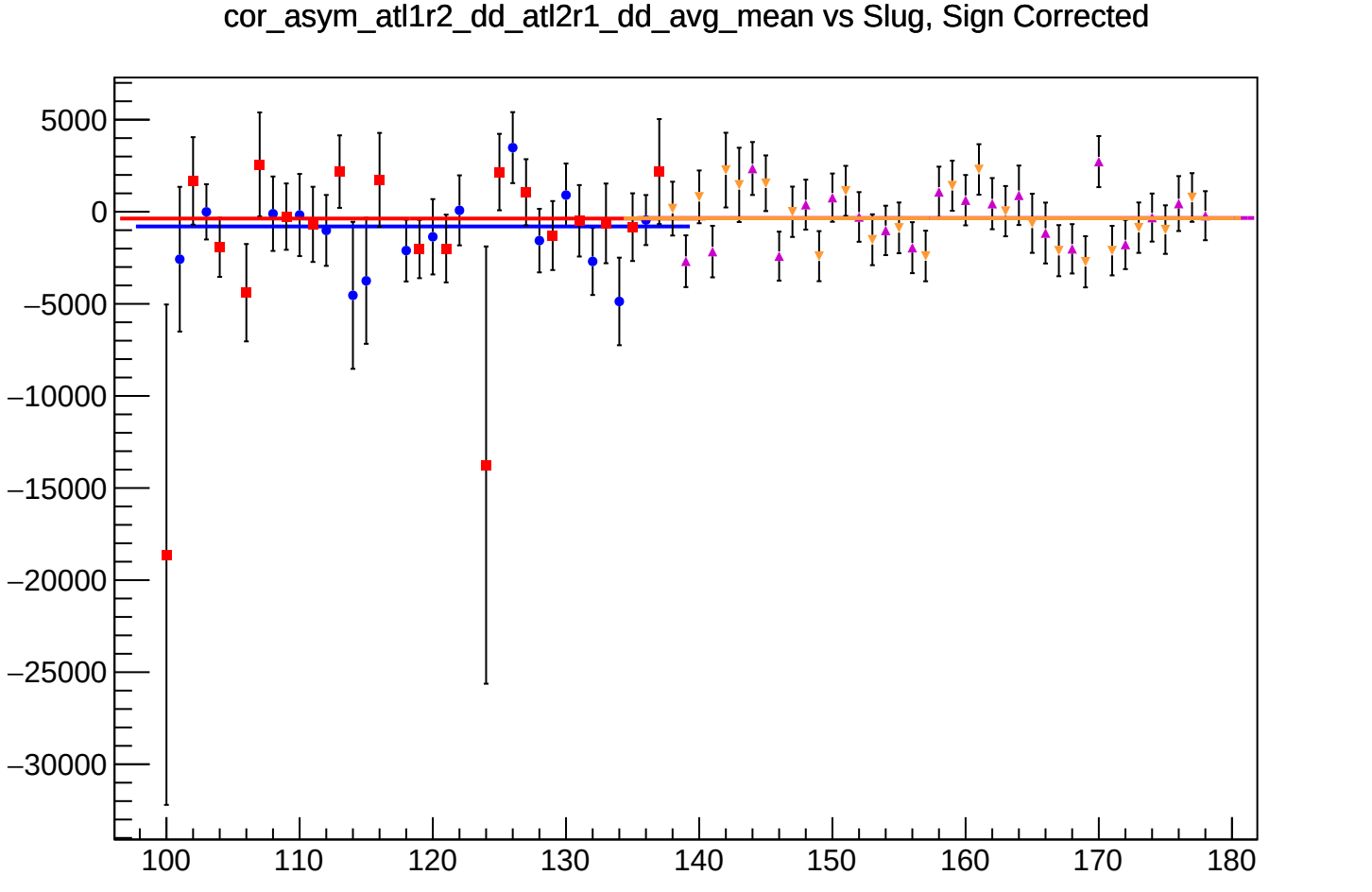
Left: 279.702+/-0.036 χ^2/NDF: 5785034.5/40

Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 294.309+/-0.047 χ^2/NDF:7053737.3/35

Out: 296.443+/-0.047 χ^2/NDF:8165344.3/39

All: 295.363+/-0.033 χ^2/NDF: 15220103.5/75



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: -337.523+/-310.167 χ^2/NDF:23.6/19

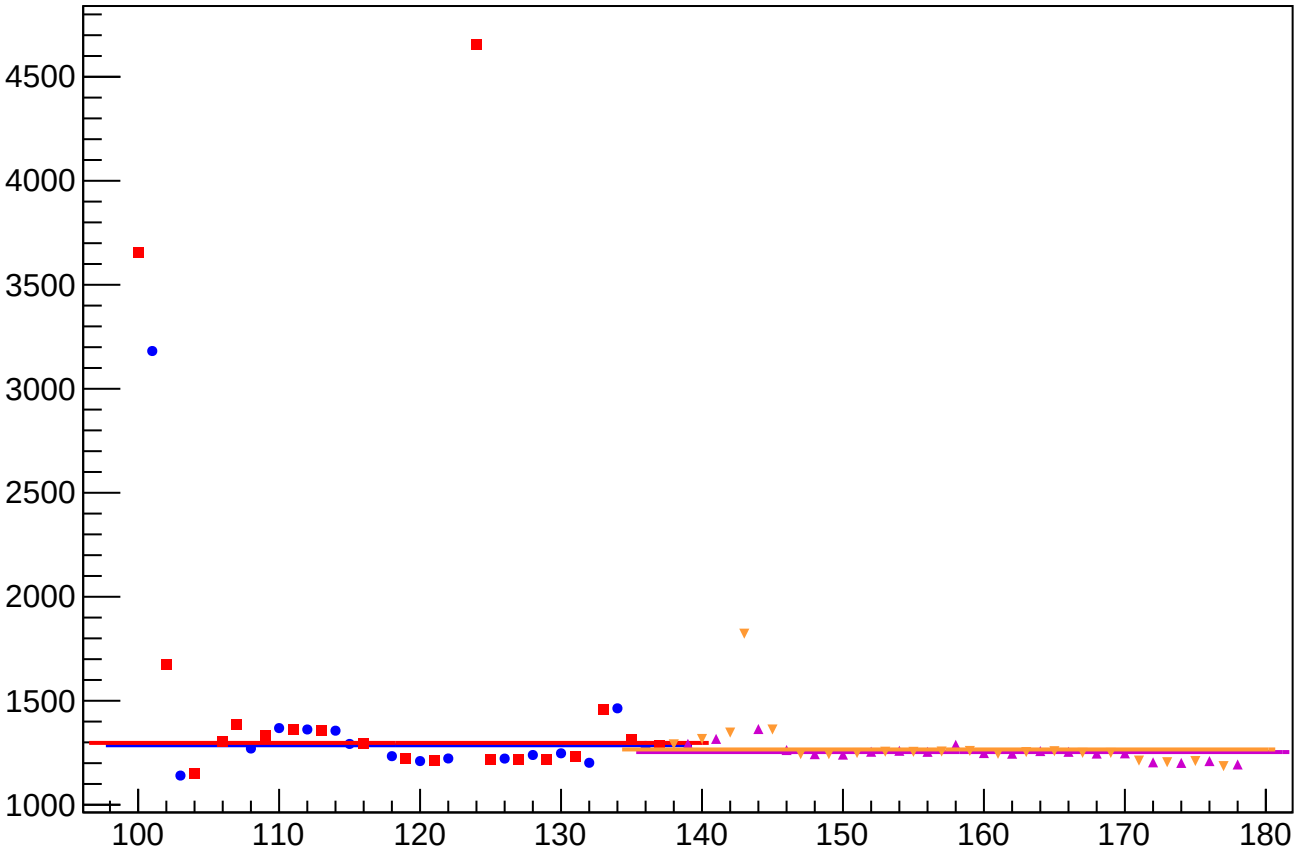
Left: -344.319+/-219.555 χ^2/NDF: 47.9/40

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -469.909+/-261.684 χ^2/NDF:37.6/35

Out: -355.880+/-261.909 χ^2/NDF:40.0/39

All: -412.943+/-185.118 χ^2/NDF: 77.7/75



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: 1253.384+/-0.219 χ^2/NDF:31113.9/19

Left: 1259.653+/-0.155 χ^2/NDF: 220576.1/40

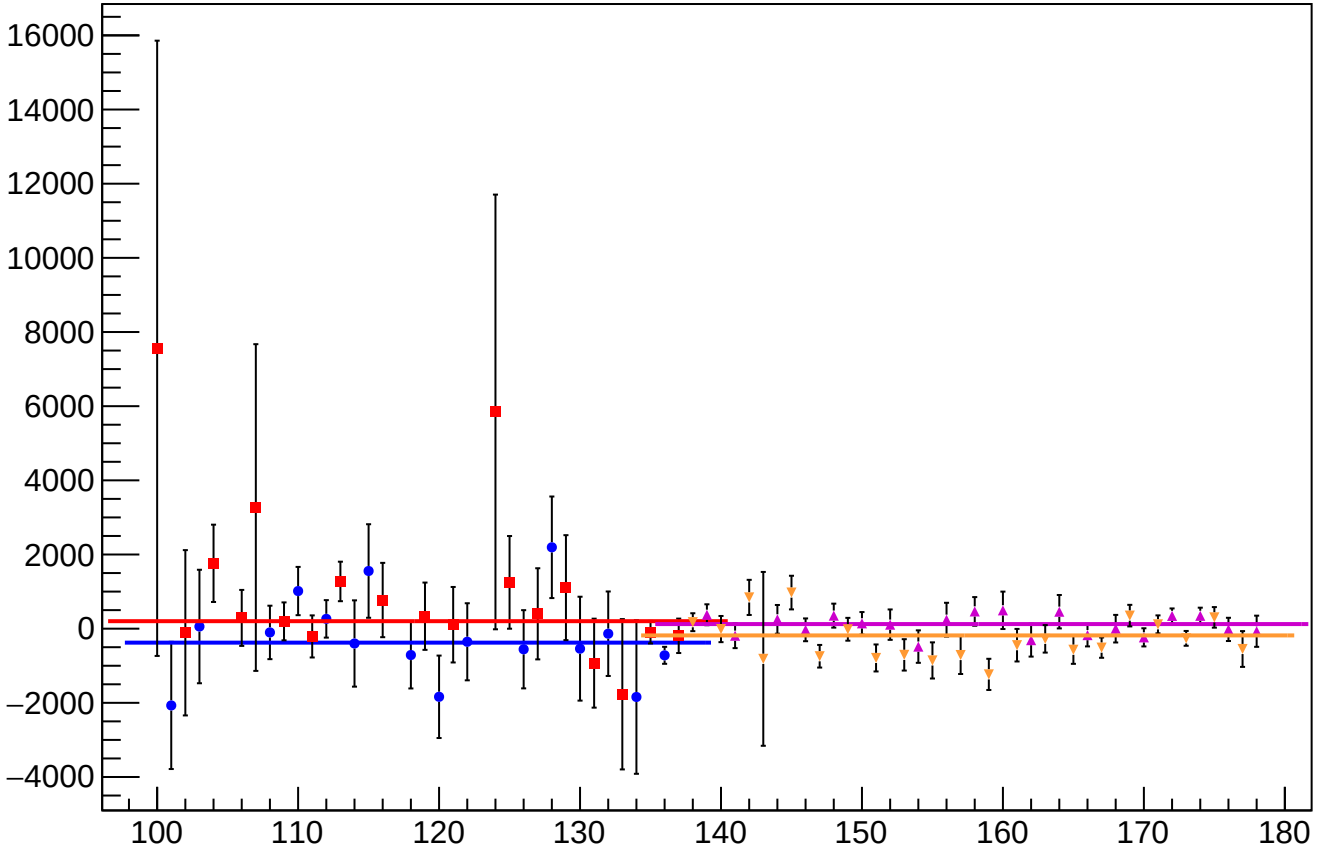
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1262.812+/-0.185 χ^2/NDF:555653.9/35

Out: 1275.068+/-0.185 χ^2/NDF:521502.6/39

All: 1268.934+/-0.131 χ^2/NDF: 1079348.2/75

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: 123.963+/-72.180 χ^2/NDF:13.2/19

Left: -26.934+/-51.382 χ^2/NDF: 64.6/40

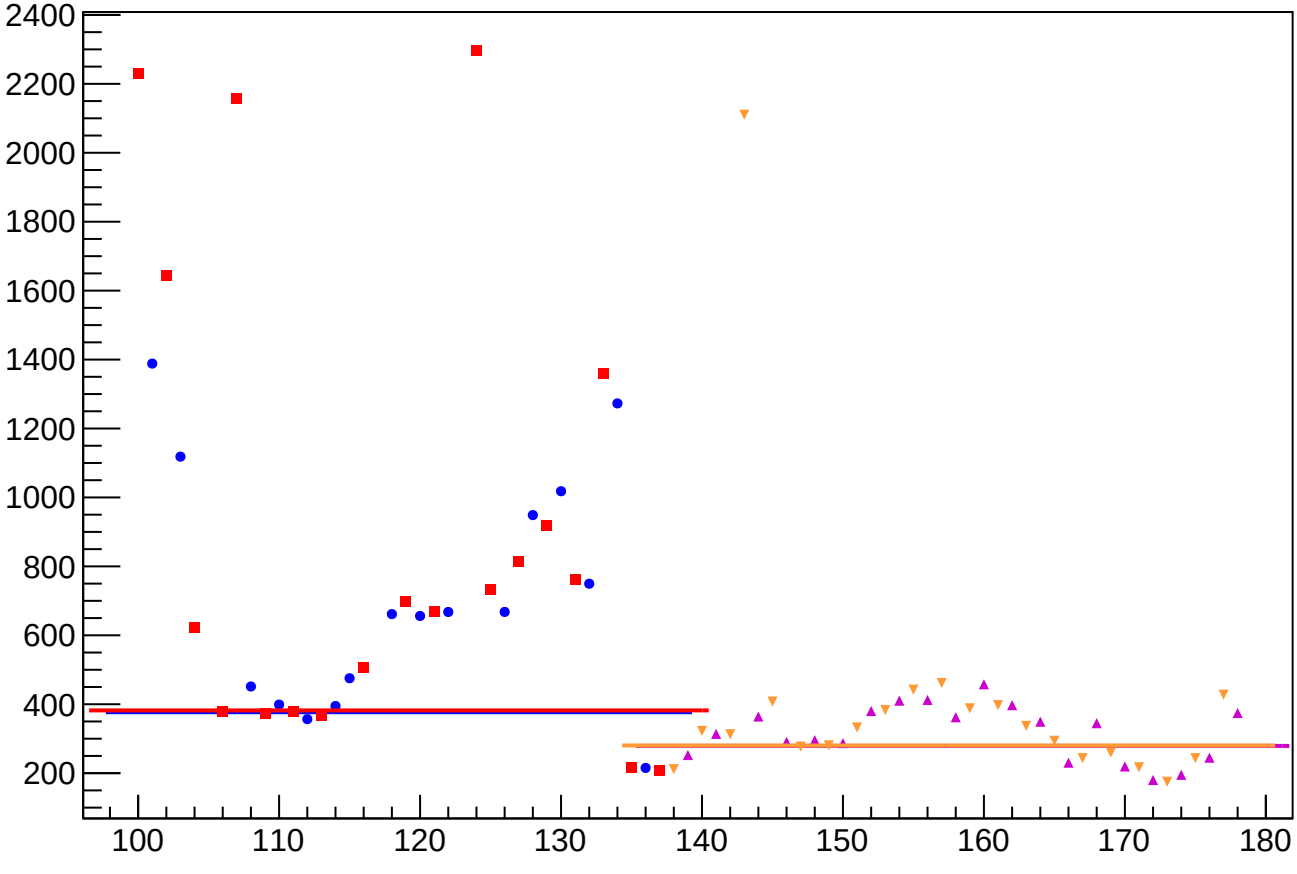
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 46.110+/-66.331 χ^2/NDF:38.6/35

Out: -121.567+/-67.164 χ^2/NDF:60.9/39

All: -36.684+/-47.195 χ^2/NDF: 102.7/75

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: 279.109+/-0.051 χ^2/NDF:2292490.1/19

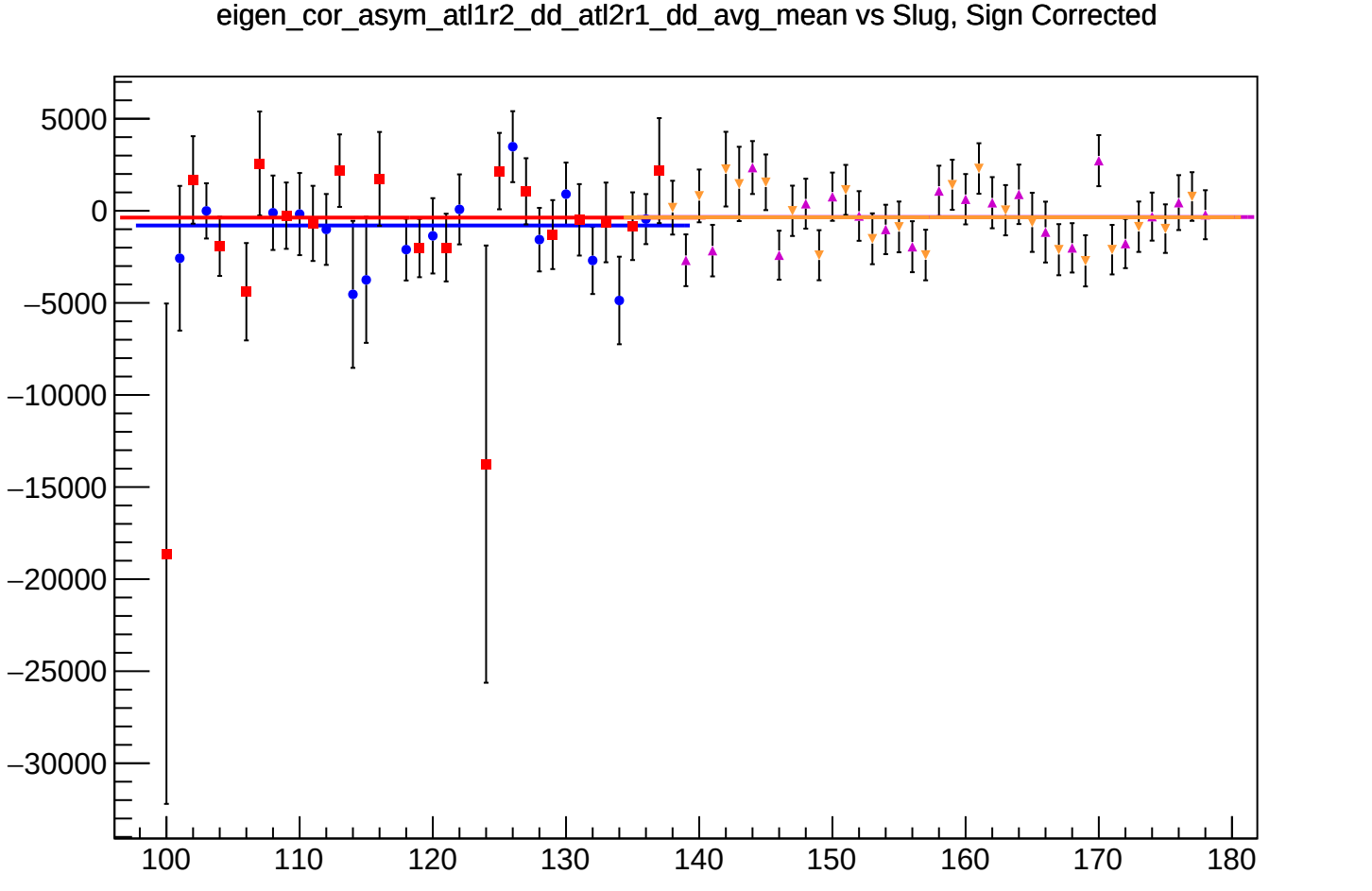
Left: 279.710+/-0.036 χ^2/NDF: 5784567.7/40

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 294.311+/-0.047 χ^2/NDF:7056405.8/35

Out: 296.336+/-0.047 χ^2/NDF:8160353.9/39

All: 295.311+/-0.033 χ^2/NDF: 15217680.3/75



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: -337.523+/-310.167 χ^2/NDF:23.6/19

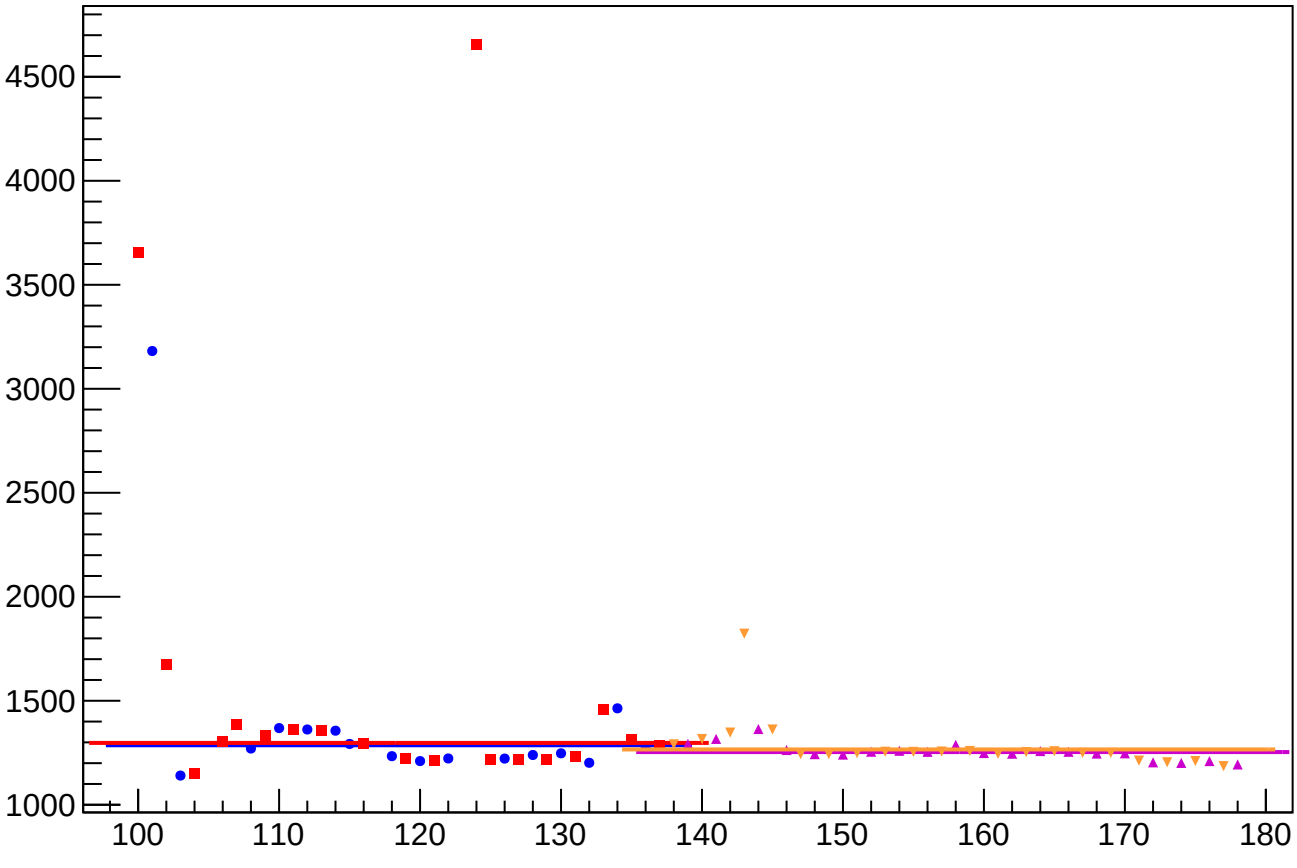
Left: -344.319+/-219.555 χ^2/NDF: 47.9/40

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -469.909+/-261.684 χ^2/NDF:37.6/35

Out: -355.880+/-261.909 χ^2/NDF:40.0/39

All: -412.943+/-185.118 χ^2/NDF: 77.7/75



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: 1253.384+/-0.219 χ^2/NDF:31113.9/19

Left: 1259.653+/-0.155 χ^2/NDF: 220576.1/40

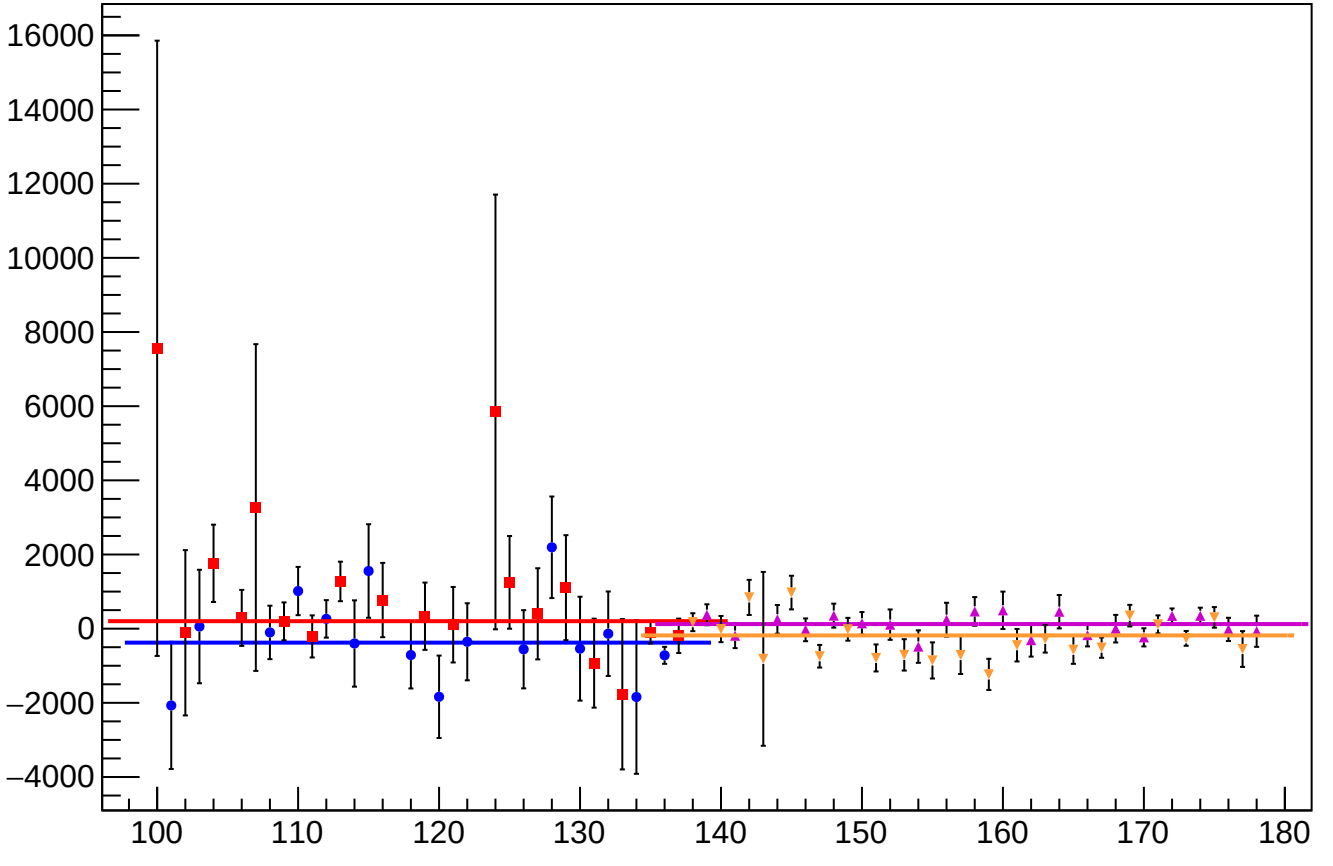
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1262.812+/-0.185 χ^2/NDF:555653.9/35

Out: 1275.068+/-0.185 χ^2/NDF:521502.6/39

All: 1268.934+/-0.131 χ^2/NDF: 1079348.2/75

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: 123.963+/-72.180 χ^2/NDF:13.2/19

Left: -26.934+/-51.382 χ^2/NDF: 64.6/40

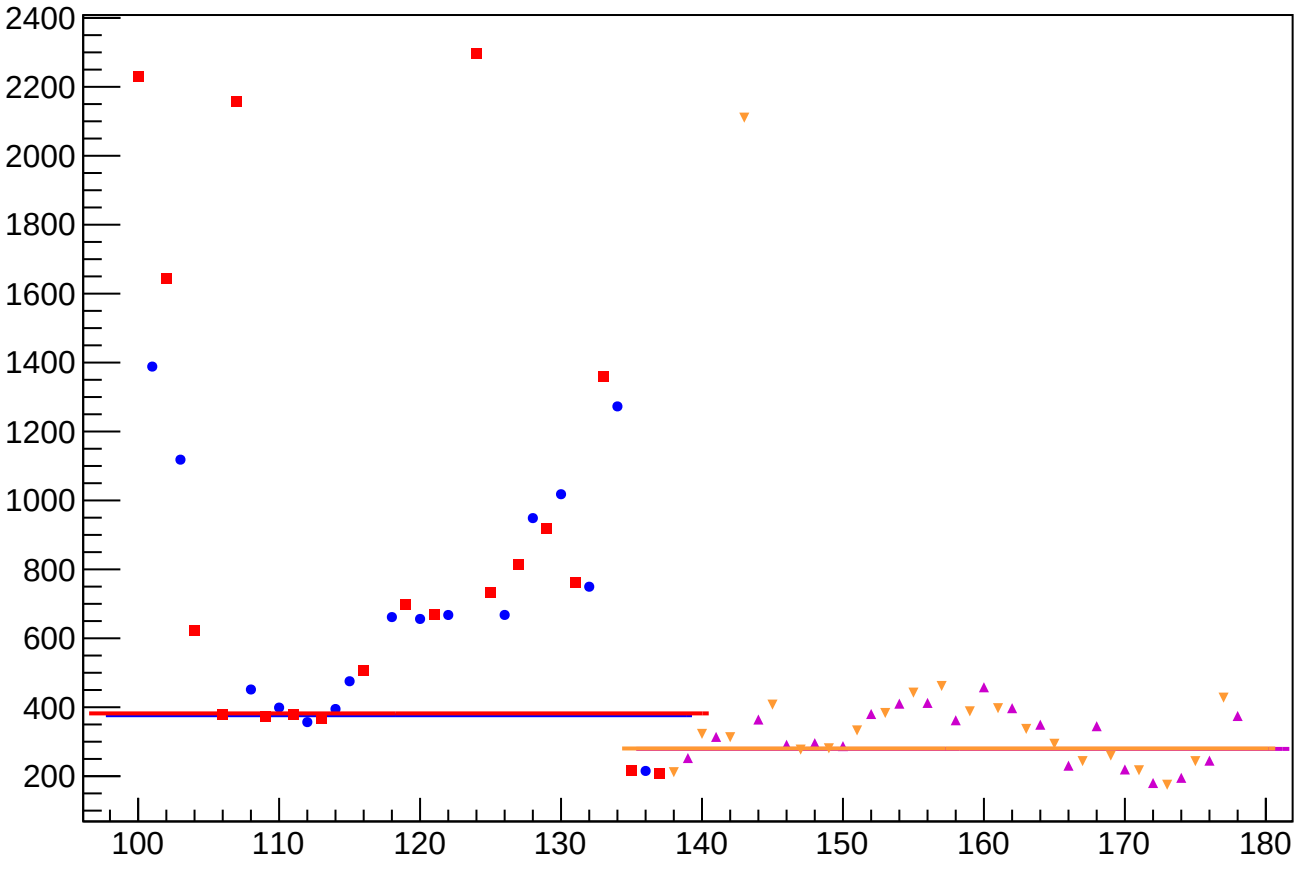
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 46.110+/-66.331 χ^2/NDF:38.6/35

Out: -121.567+/-67.164 χ^2/NDF:60.9/39

All: -36.684+/-47.195 χ^2/NDF: 102.7/75

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: 279.109+/-0.051 χ^2/NDF:2292490.1/19

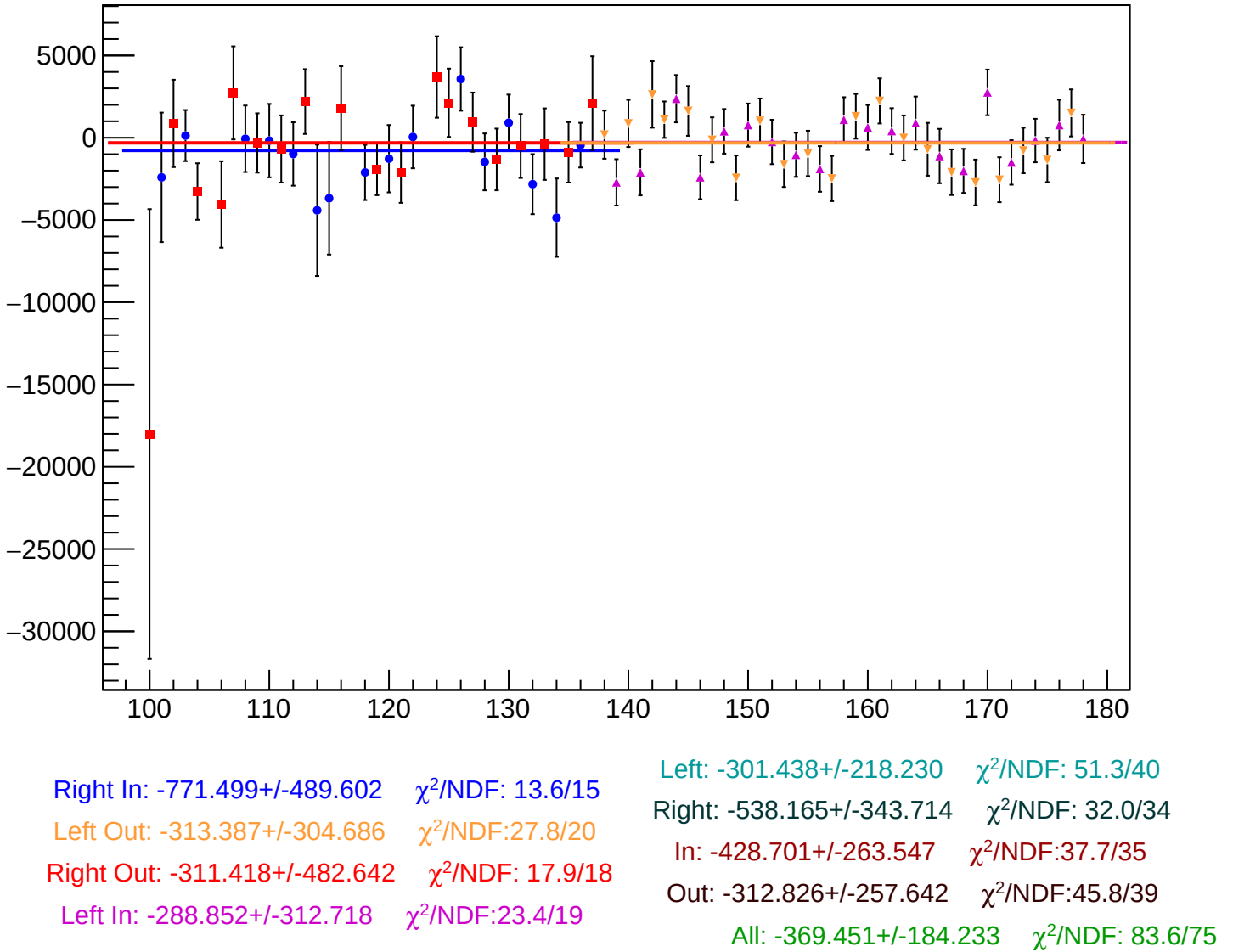
Left: 279.710+/-0.036 χ^2/NDF: 5784567.7/40

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

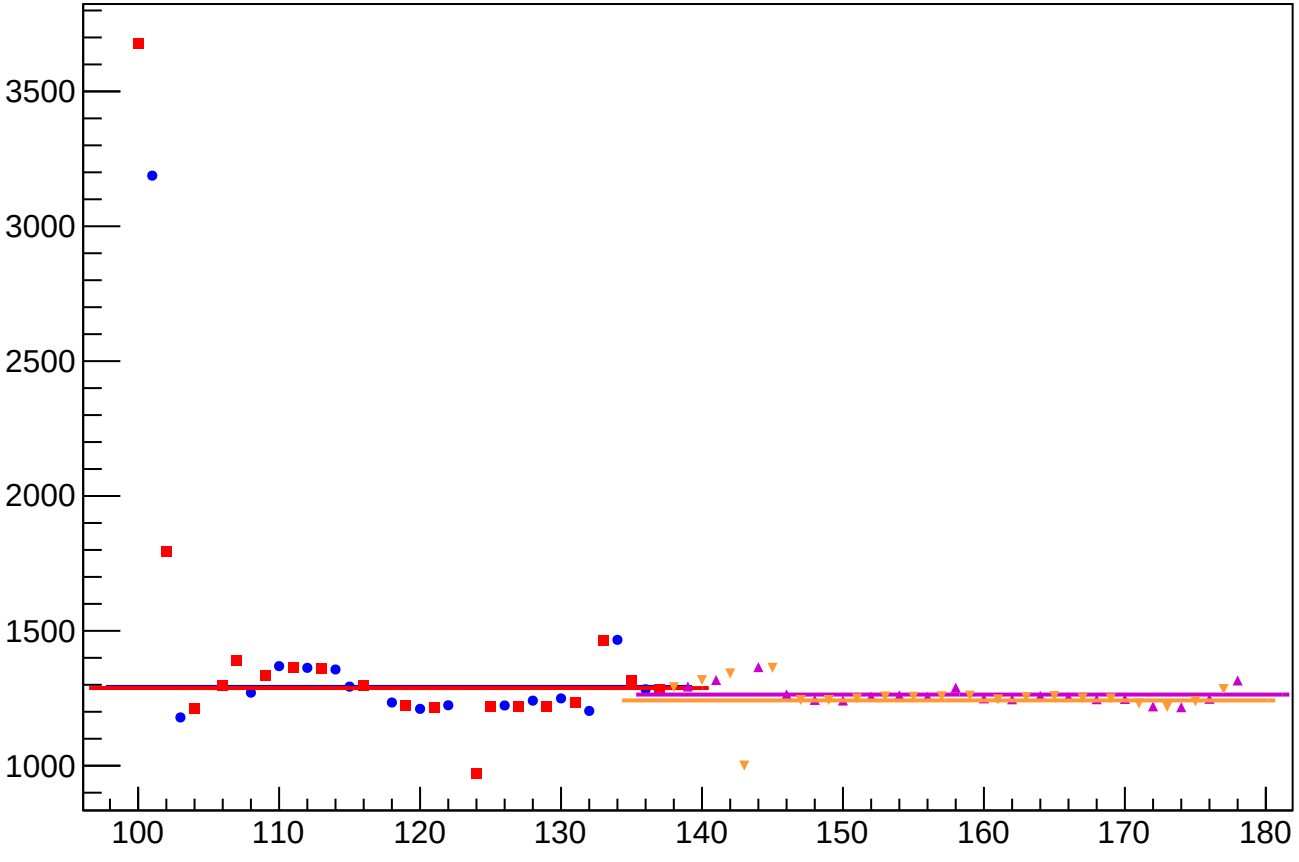
In: 294.311+/-0.047 χ^2/NDF:7056405.8/35

Out: 296.336+/-0.047 χ^2/NDF:8160353.9/39

All: 295.311+/-0.033 χ^2/NDF: 15217680.3/75


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: -771.499+/-489.602 χ²/NDF: 13.6/15
Left Out: -313.387+/-304.686 χ²/NDF:27.8/20
Right Out: -311.418+/-482.642 χ²/NDF: 17.9/18
Left In: -288.852+/-312.718 χ²/NDF:23.4/19
Left: -301.438+/-218.230 χ²/NDF: 51.3/40
Right: -538.165+/-343.714 χ²/NDF: 32.0/34
In: -428.701+/-263.547 χ²/NDF:37.7/35
Out: -312.826+/-257.642 χ²/NDF:45.8/39
All: -369.451+/-184.233 χ²/NDF: 83.6/75

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug, Sign Corrected



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: 1263.779+/-0.221 χ^2/NDF:24257.3/19

Left: 1252.638+/-0.154 χ^2/NDF: 153969.1/40

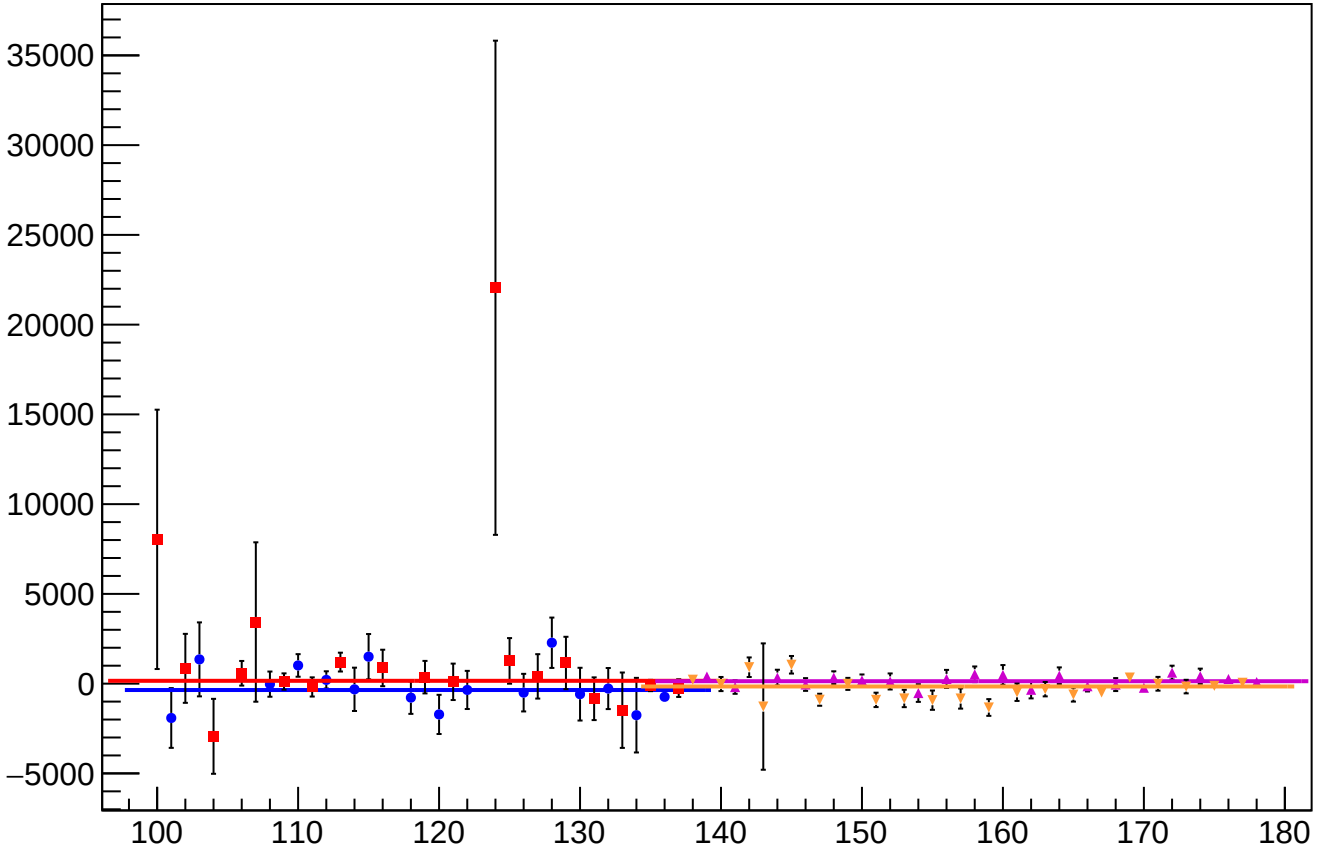
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1271.967+/-0.186 χ^2/NDF:538395.7/35

Out: 1255.150+/-0.182 χ^2/NDF:346921.1/39

All: 1263.368+/-0.130 χ^2/NDF: 889481.1/75

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: 135.587+/-73.662 χ^2/NDF:13.0/19

Left: -20.084+/-50.433 χ^2/NDF: 63.0/40

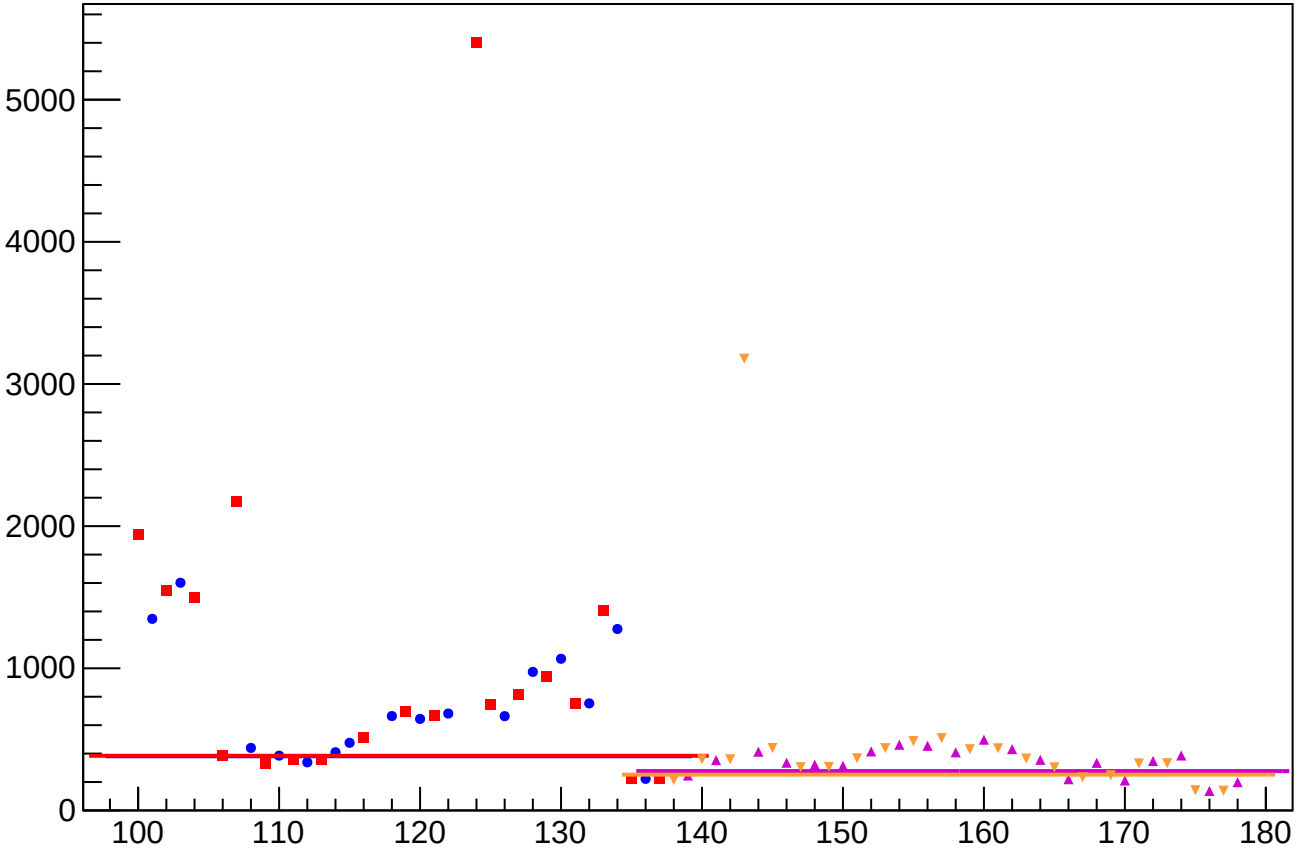
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: 57.980+/-67.587 χ^2/NDF:38.5/35

Out: -112.471+/-64.070 χ^2/NDF:60.3/39

All: -31.796+/-46.498 χ^2/NDF: 102.2/75

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: 277.021+/-0.052 χ^2/NDF:3988205.7/19

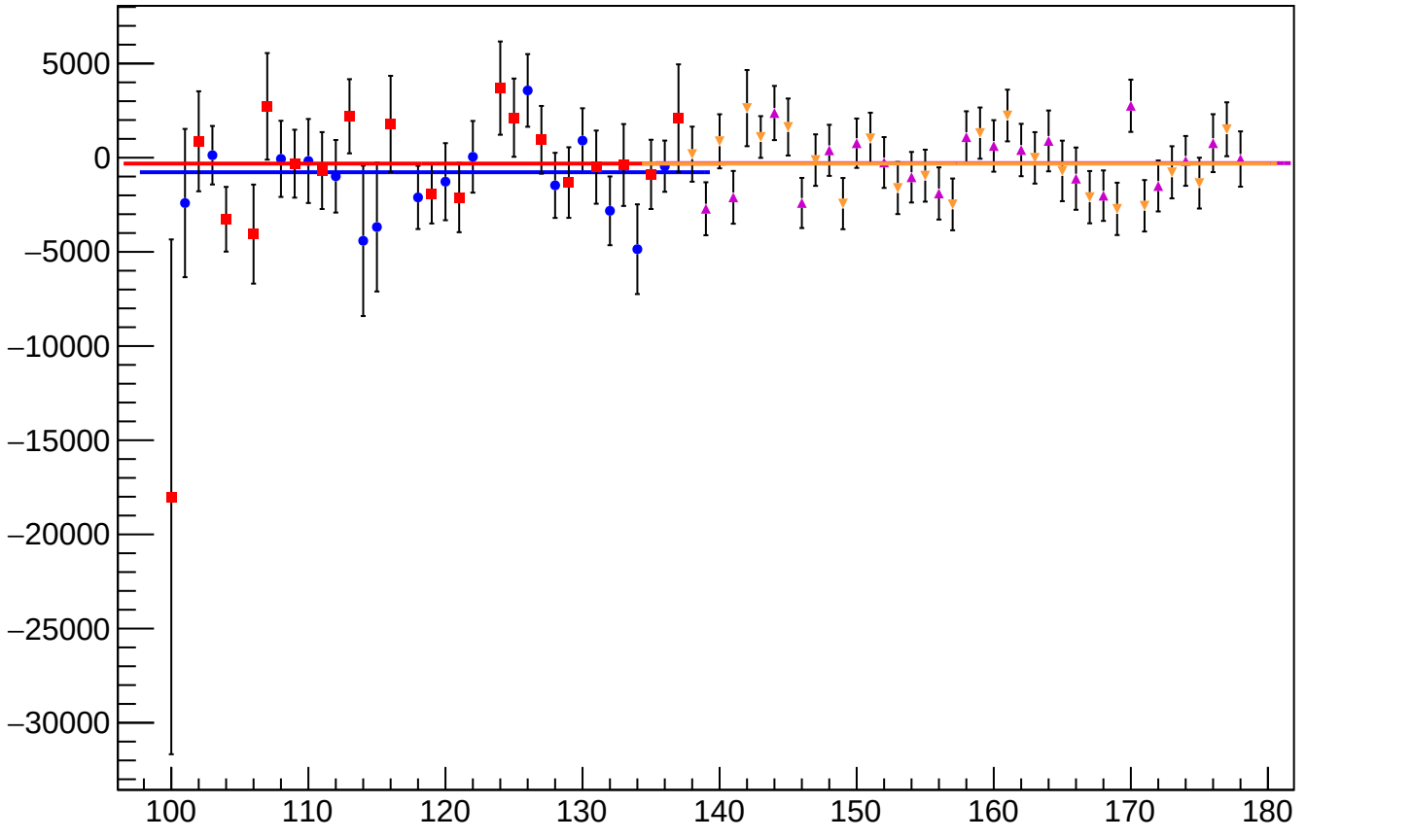
Left: 263.762+/-0.036 χ^2/NDF: 10387924.8/40

Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 293.517+/-0.048 χ^2/NDF:8940493.5/35

Out: 270.970+/-0.045 χ^2/NDF:11885175.0/39

All: 281.642+/-0.033 χ^2/NDF: 20942894.8/75



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: -288.853+/-312.718 χ^2/NDF:23.4/19

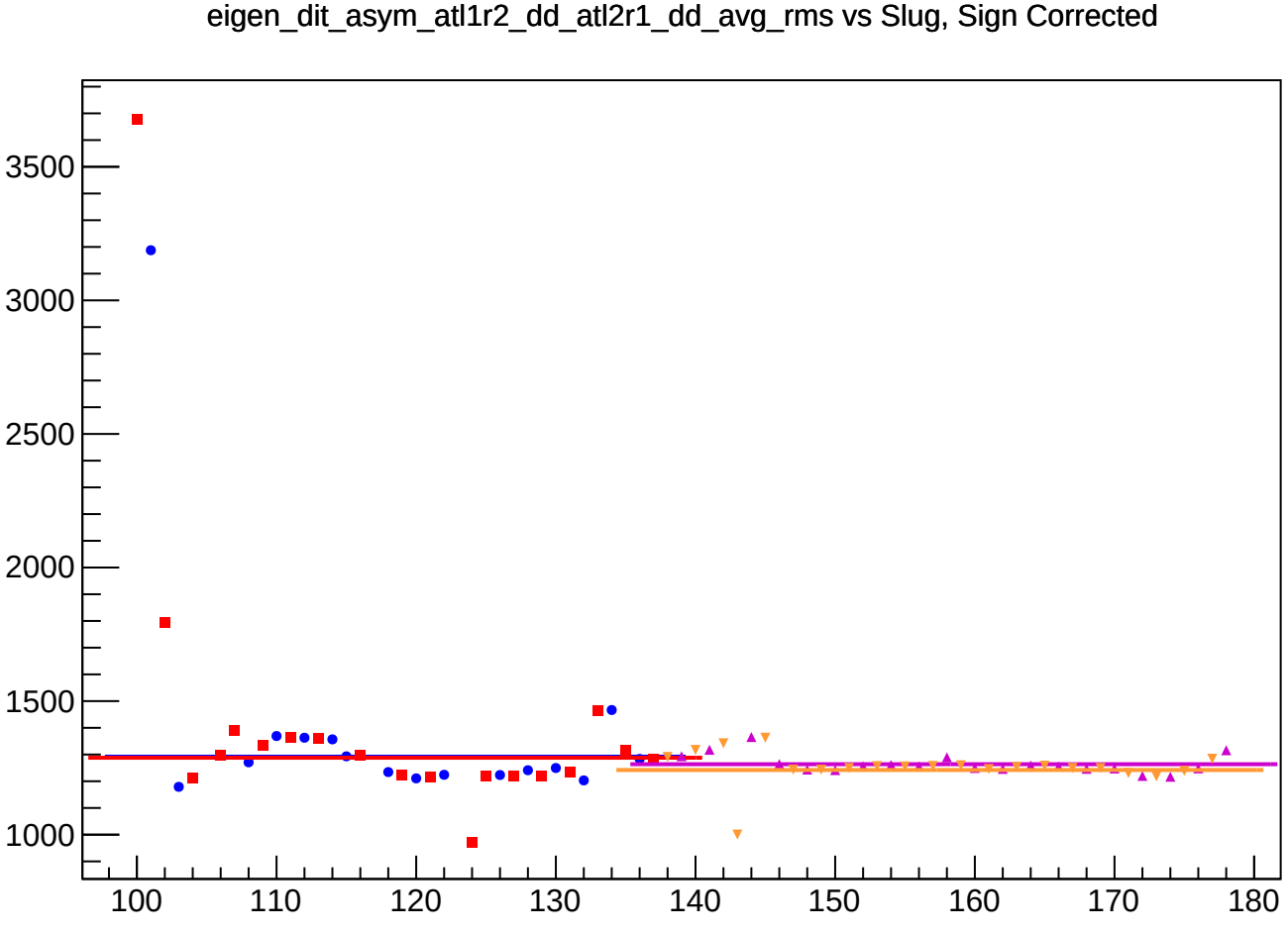
Left: -301.438+/-218.230 χ^2/NDF: 51.3/40

Right: -538.167+/-343.714 χ^2/NDF: 32.0/34

In: -428.702+/-263.547 χ^2/NDF:37.7/35

Out: -312.826+/-257.642 χ^2/NDF:45.8/39

All: -369.451+/-184.233 χ^2/NDF: 83.6/75



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: 1263.779+/-0.221 χ^2/NDF:24257.4/19

Left: 1252.638+/-0.154 χ^2/NDF: 153968.3/40

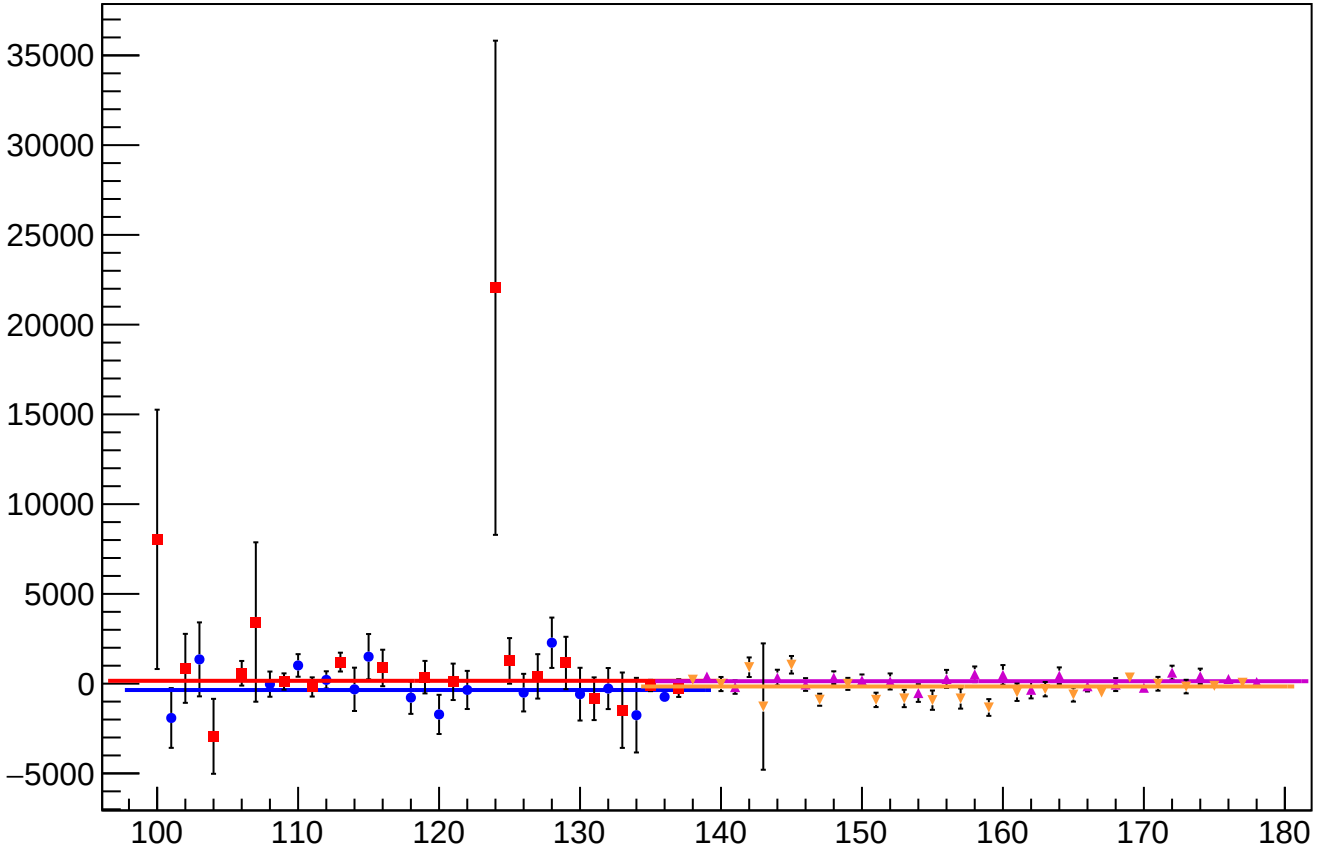
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1271.967+/-0.186 χ^2/NDF:538395.8/35

Out: 1255.150+/-0.182 χ^2/NDF:346920.7/39

All: 1263.368+/-0.130 χ^2/NDF: 889480.7/75

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: 135.586+/-73.662 χ^2/NDF:13.0/19

Left: -20.087+/-50.433 χ^2/NDF: 63.0/40

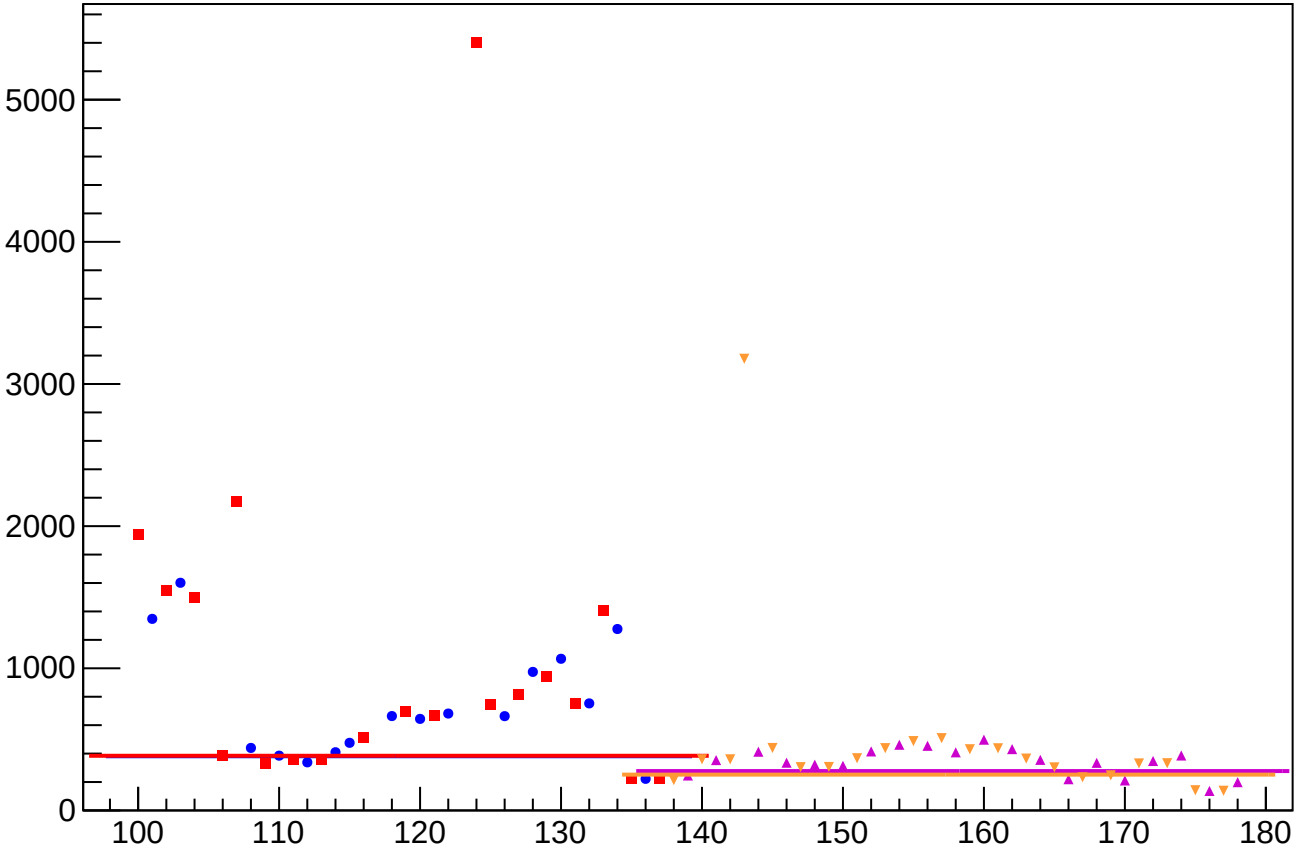
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: 57.981+/-67.588 χ^2/NDF:38.5/35

Out: -112.475+/-64.071 χ^2/NDF:60.3/39

All: -31.797+/-46.498 χ^2/NDF: 102.2/75

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: 277.021+/-0.052 χ^2/NDF:3988159.1/19

Left: 263.763+/-0.036 χ^2/NDF: 10387777.7/40

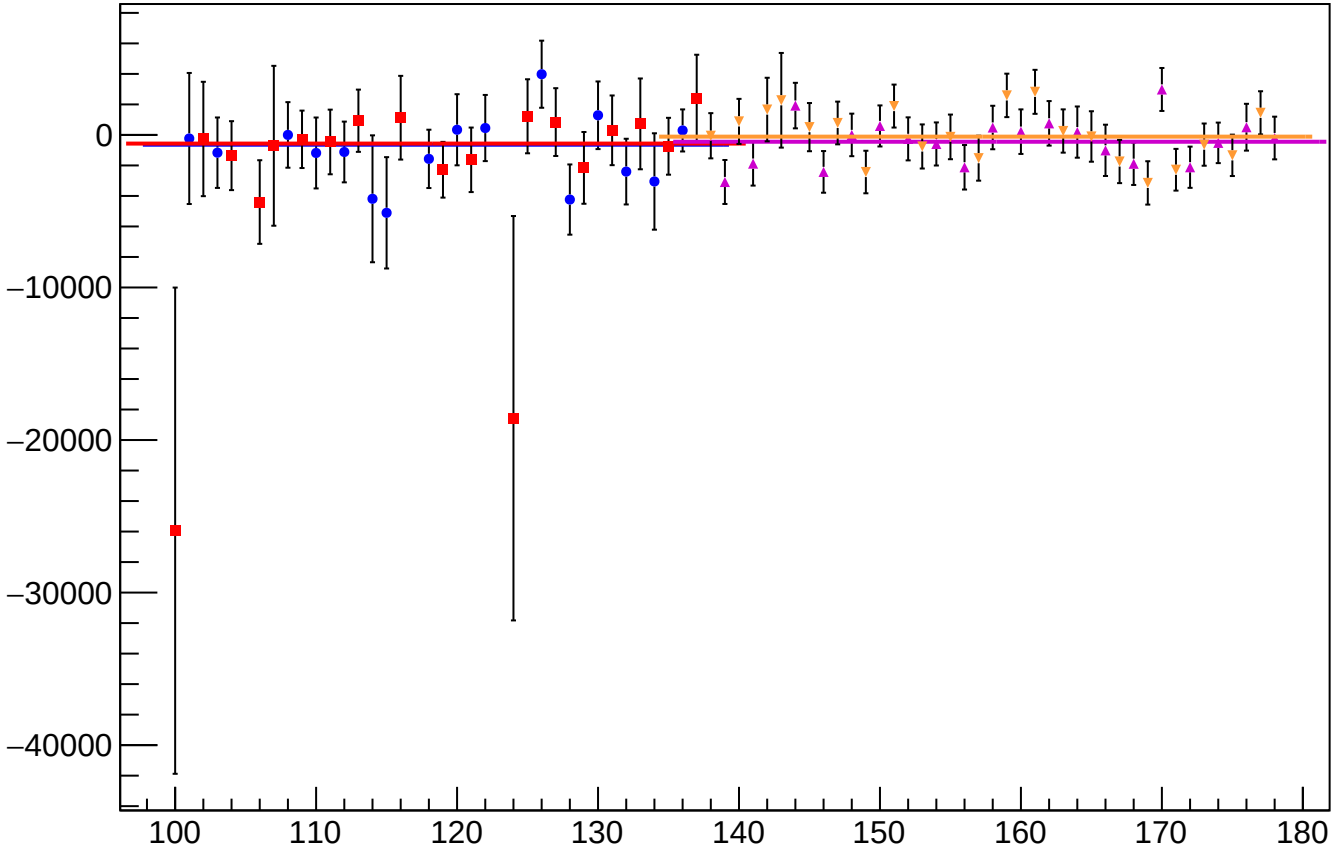
Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 293.519+/-0.048 χ^2/NDF:8940354.1/35

Out: 270.973+/-0.045 χ^2/NDF:11885013.6/39

All: 281.644+/-0.033 χ^2/NDF: 20942588.3/75

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected



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: -446.954+/-321.102 χ^2/NDF:21.5/19

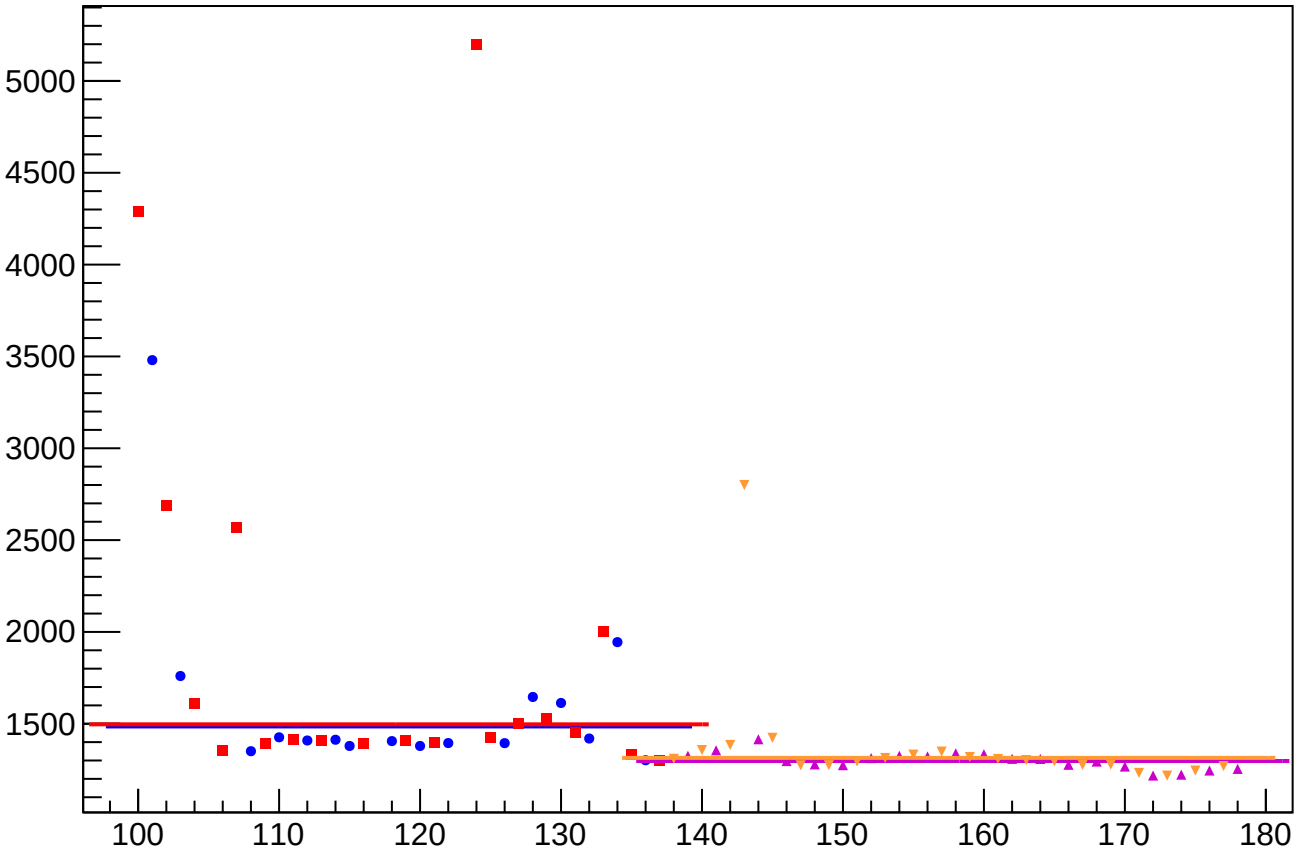
Left: -281.187+/-228.163 χ^2/NDF: 48.7/40

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -494.365+/-279.091 χ^2/NDF:34.1/35

Out: -224.373+/-281.455 χ^2/NDF:38.4/39

All: -360.508+/-198.178 χ^2/NDF: 73.0/75



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: 1297.339+/-0.227 χ^2/NDF:40935.2/19

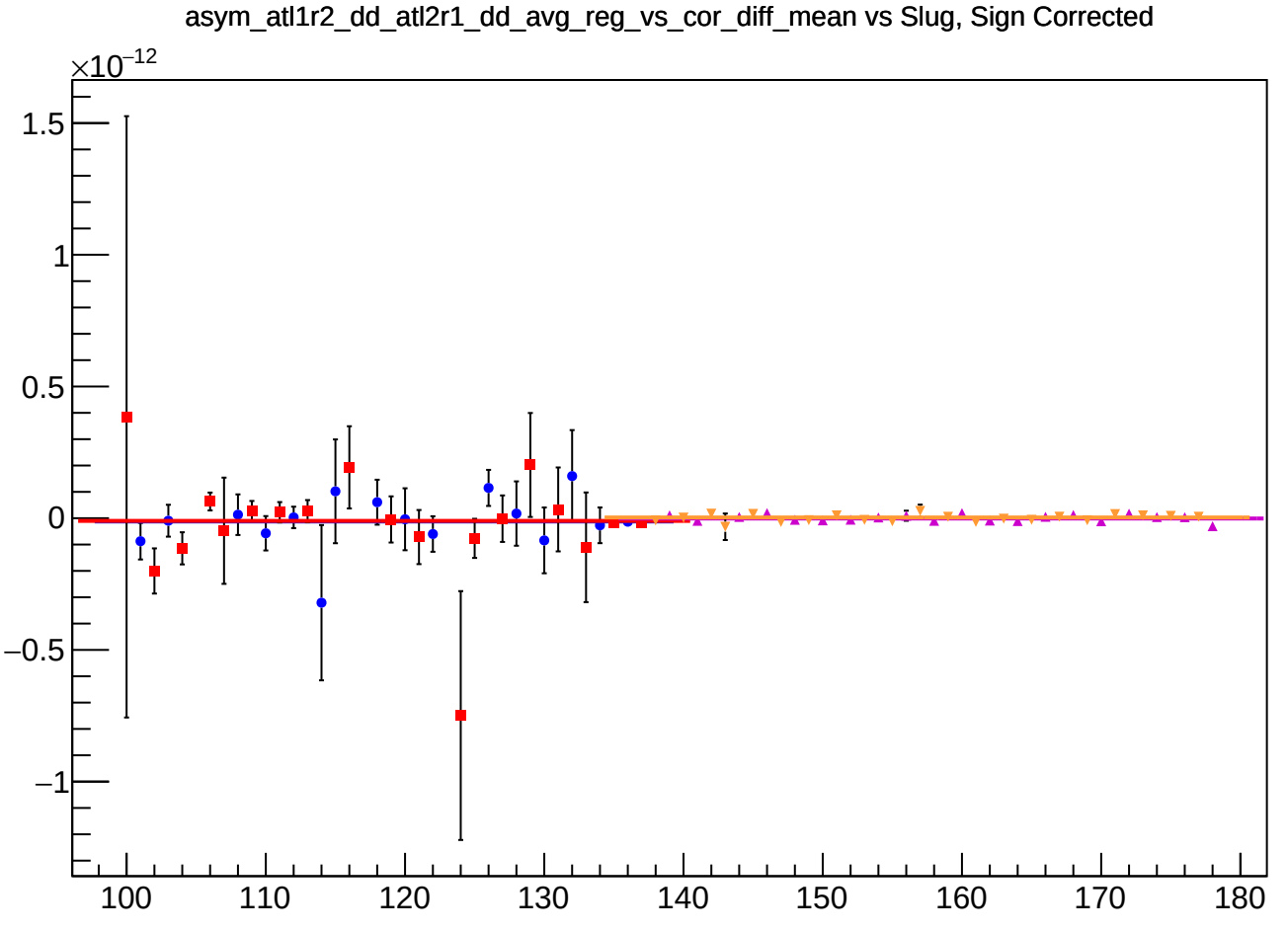
Left: 1305.709+/-0.161 χ^2/NDF: 548101.2/40

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1343.322+/-0.197 χ^2/NDF:793121.2/35

Out: 1359.279+/-0.199 χ^2/NDF:1284150.8/39

All: 1351.234+/-0.140 χ^2/NDF: 2080513.5/75



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:24.9/19

Left: 0.000+/-0.000 χ^2/NDF: 45.5/40

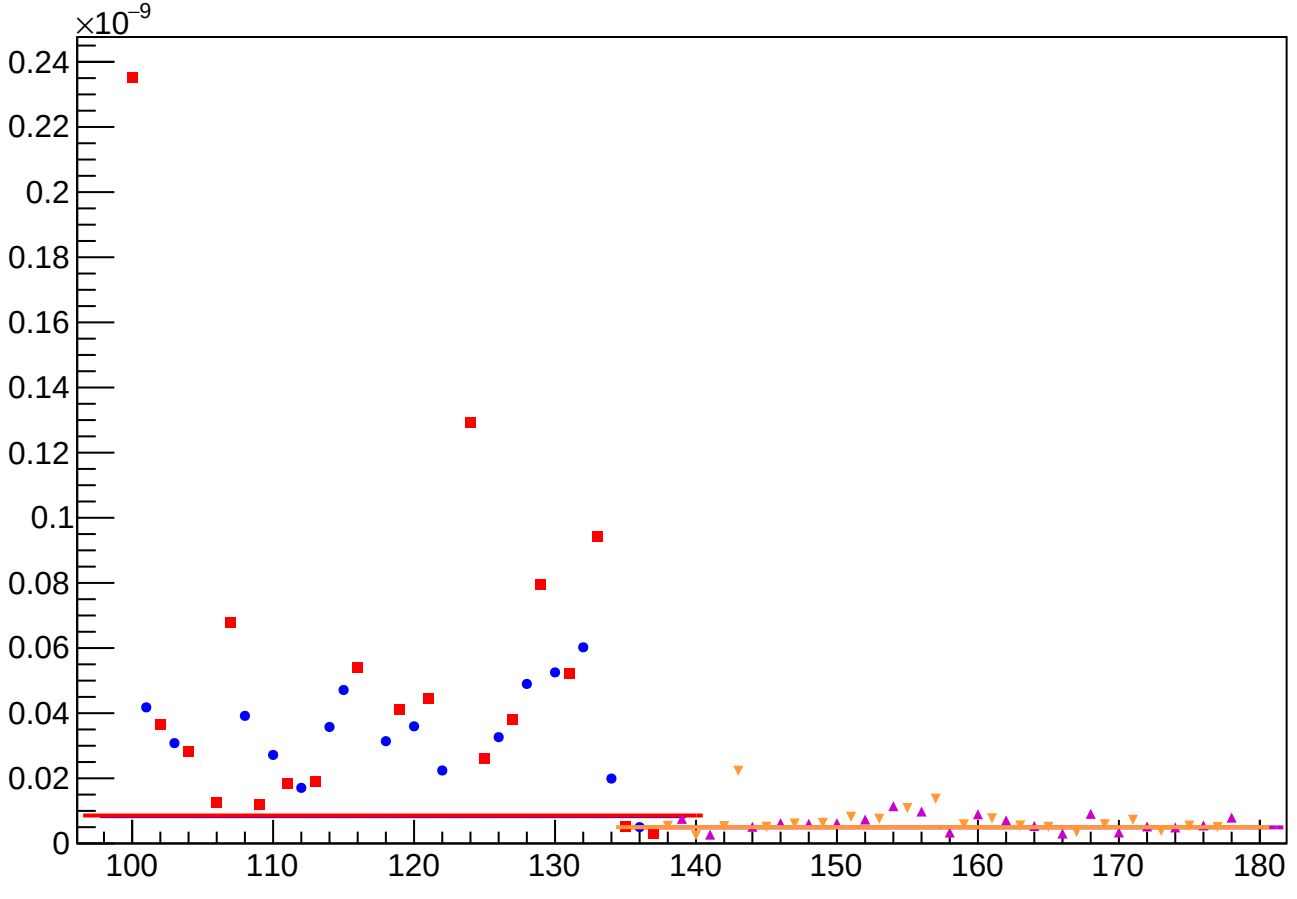
Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:36.4/35

Out: 0.000+/-0.000 χ^2/NDF:43.7/39

All: -0.000+/-0.000 χ^2/NDF: 82.0/75

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:1762003.5/19

Left: 0.000+/-0.000 χ^2/NDF: 3650538.3/40

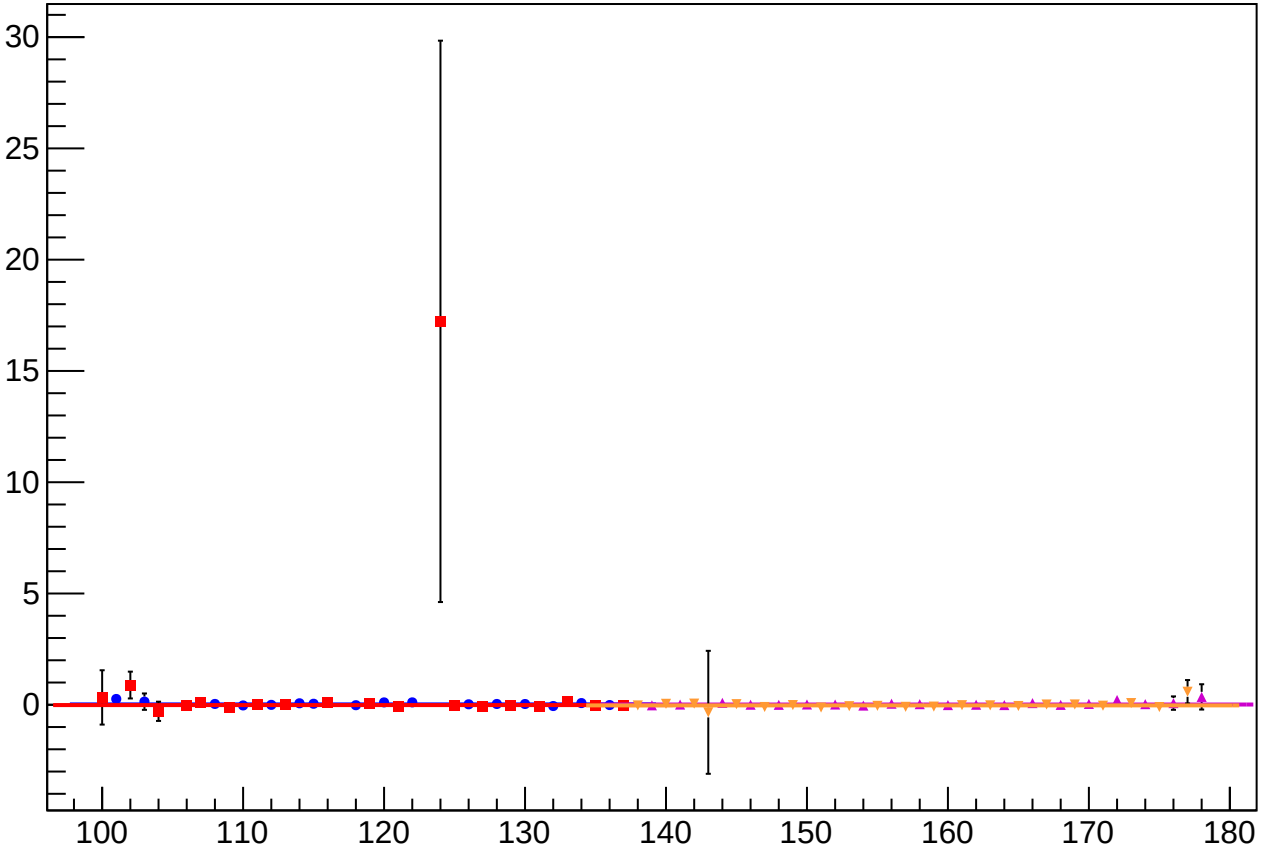
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:5217173.0/35

Out: 0.000+/-0.000 χ^2/NDF:5607238.1/39

All: 0.000+/-0.000 χ^2/NDF: 10824637.9/75

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: 0.012+/-0.010 χ^2/NDF:11.1/19

Left: -0.008+/-0.007 χ^2/NDF: 44.5/40

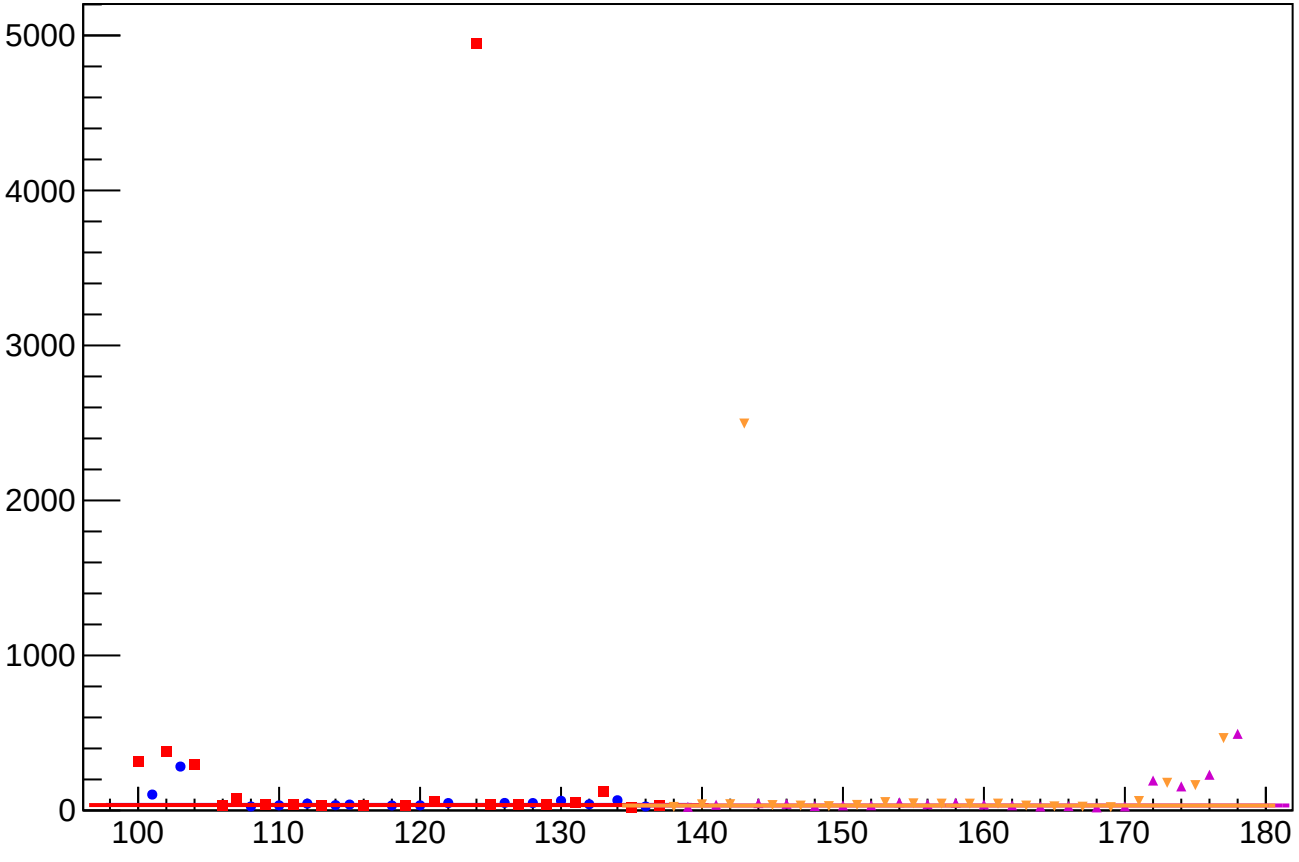
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.6/35

Out: -0.024+/-0.008 χ^2/NDF:41.8/39

All: -0.005+/-0.006 χ^2/NDF: 74.5/75

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: 32.159+/-0.007 χ^2/NDF:5951814.5/19

Left: 31.989+/-0.005 χ^2/NDF: 12638186.3/40

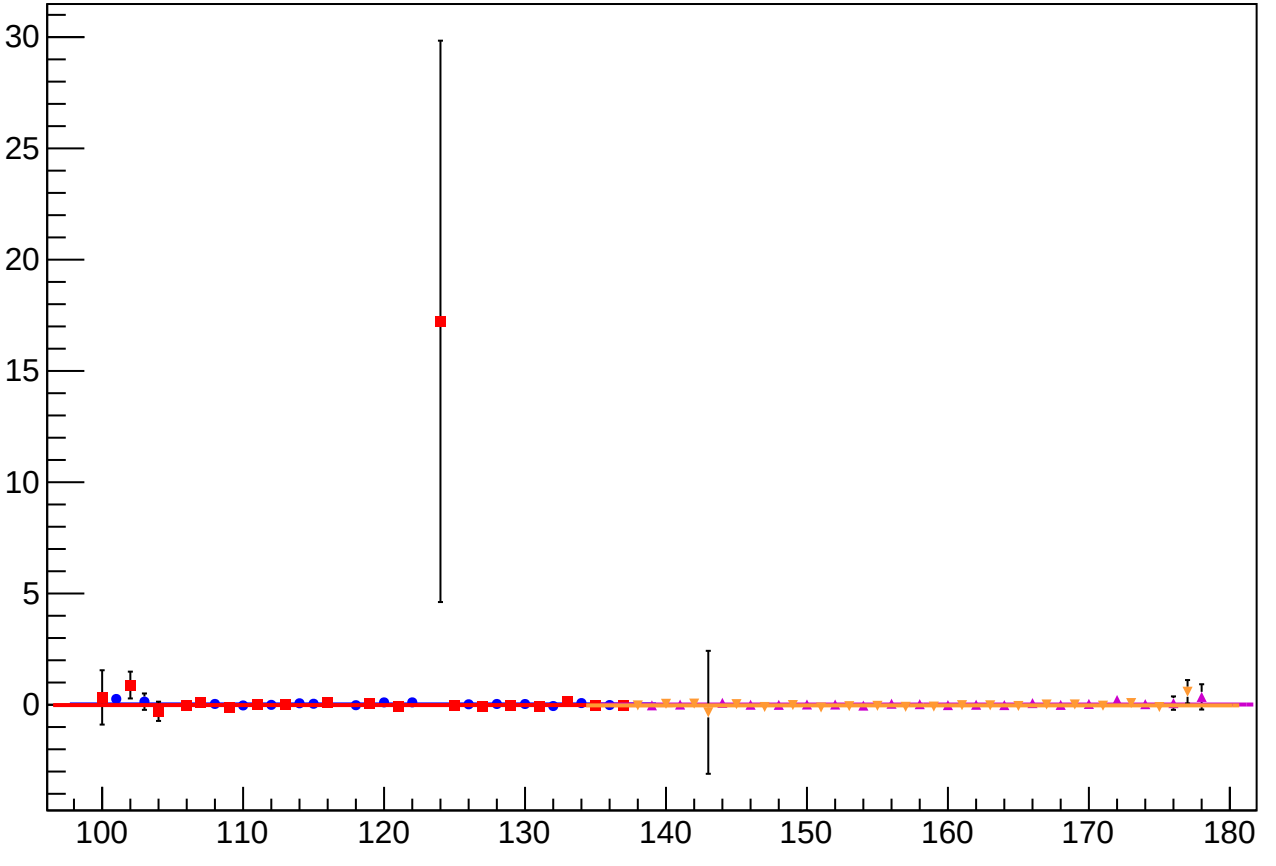
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 33.144+/-0.006 χ^2/NDF:8294628.1/35

Out: 32.627+/-0.006 χ^2/NDF:9652201.3/39

All: 32.887+/-0.004 χ^2/NDF: 17950888.4/75

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: 0.012+/-0.010 χ^2/NDF:11.1/19

Left: -0.008+/-0.007 χ^2/NDF: 44.5/40

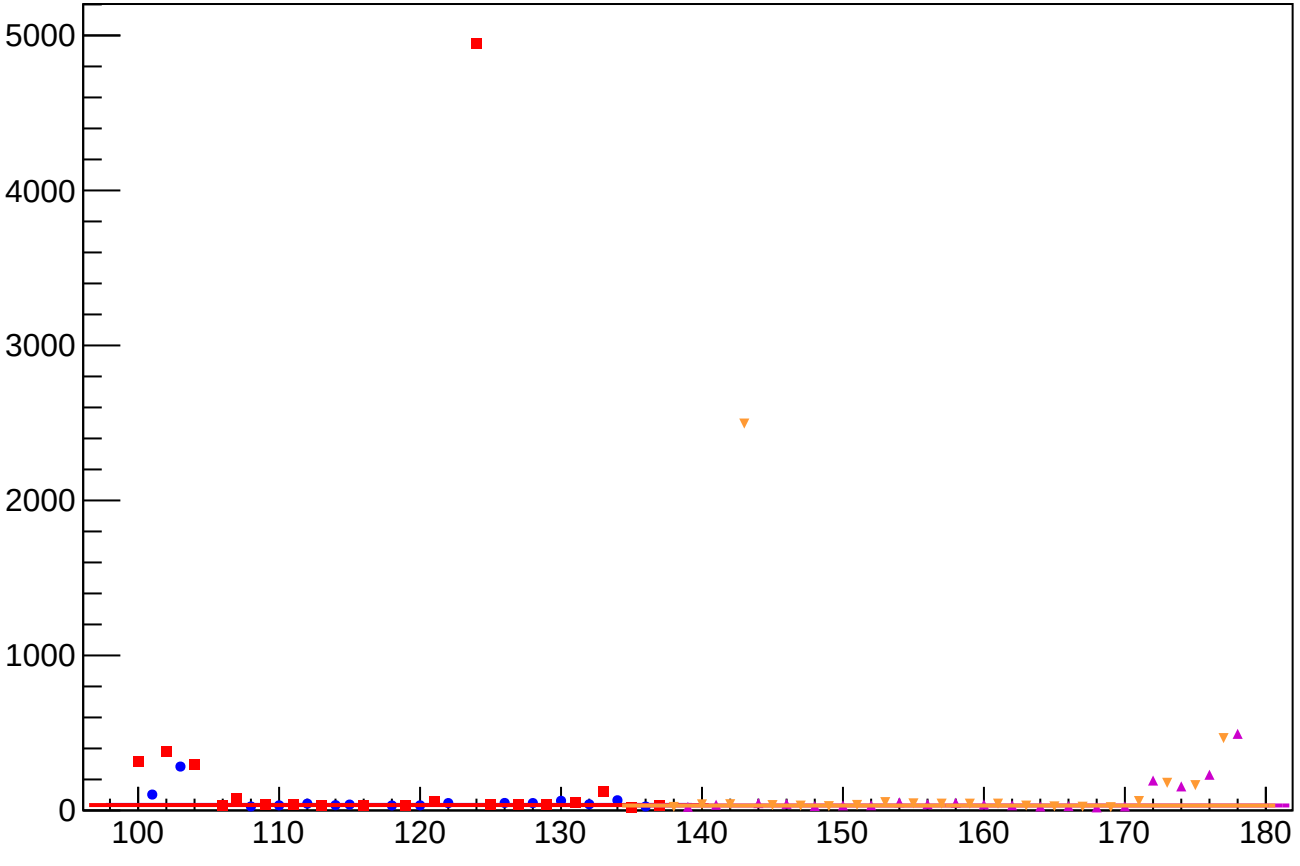
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.6/35

Out: -0.024+/-0.008 χ^2/NDF:41.8/39

All: -0.005+/-0.006 χ^2/NDF: 74.5/75

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: 32.159+/-0.007 χ^2/NDF:5951814.5/19

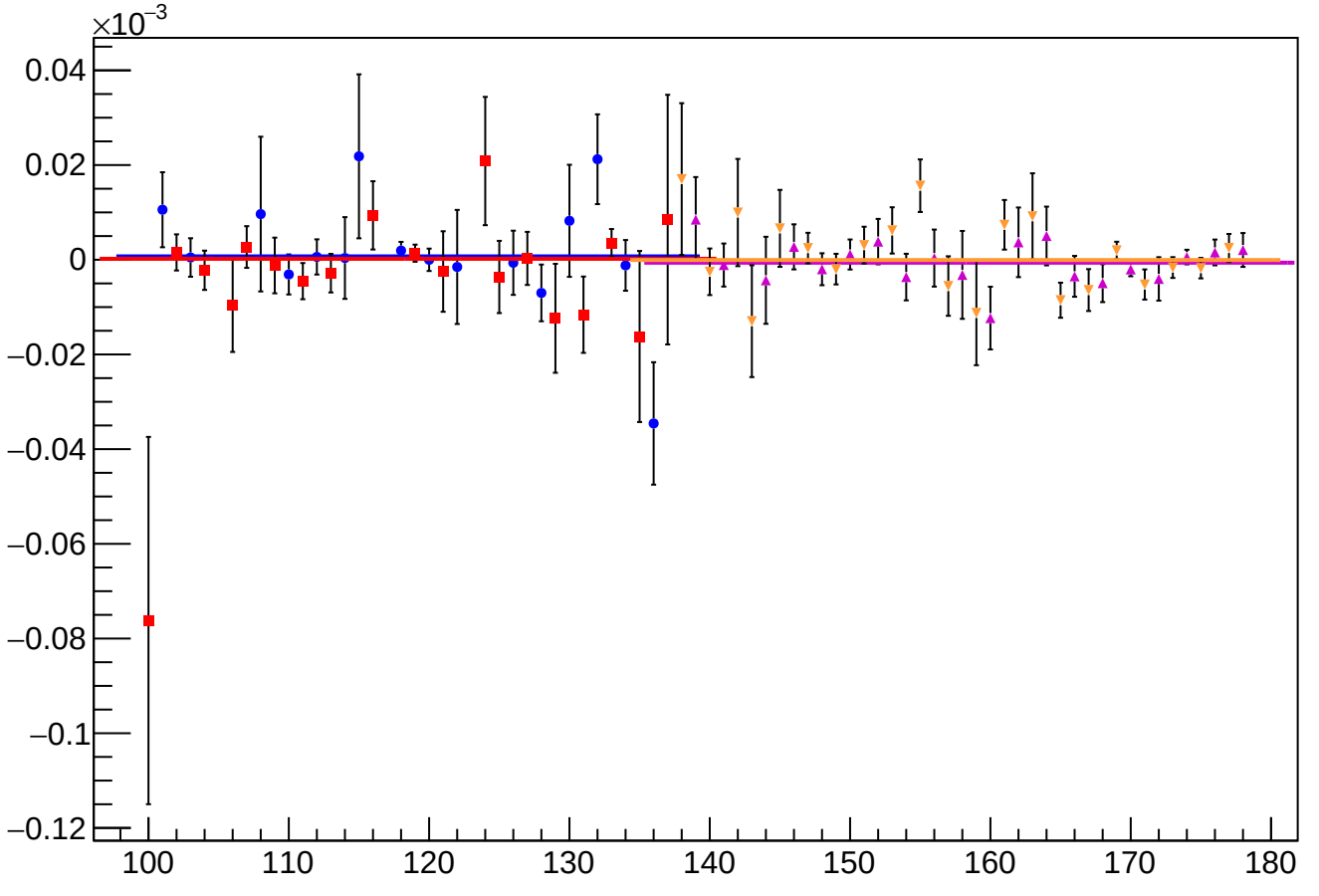
Left: 31.989+/-0.005 χ^2/NDF: 12638186.3/40

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 33.144+/-0.006 χ^2/NDF:8294628.1/35

Out: 32.627+/-0.006 χ^2/NDF:9652201.3/39

All: 32.887+/-0.004 χ^2/NDF: 17950888.4/75



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:12.7/19

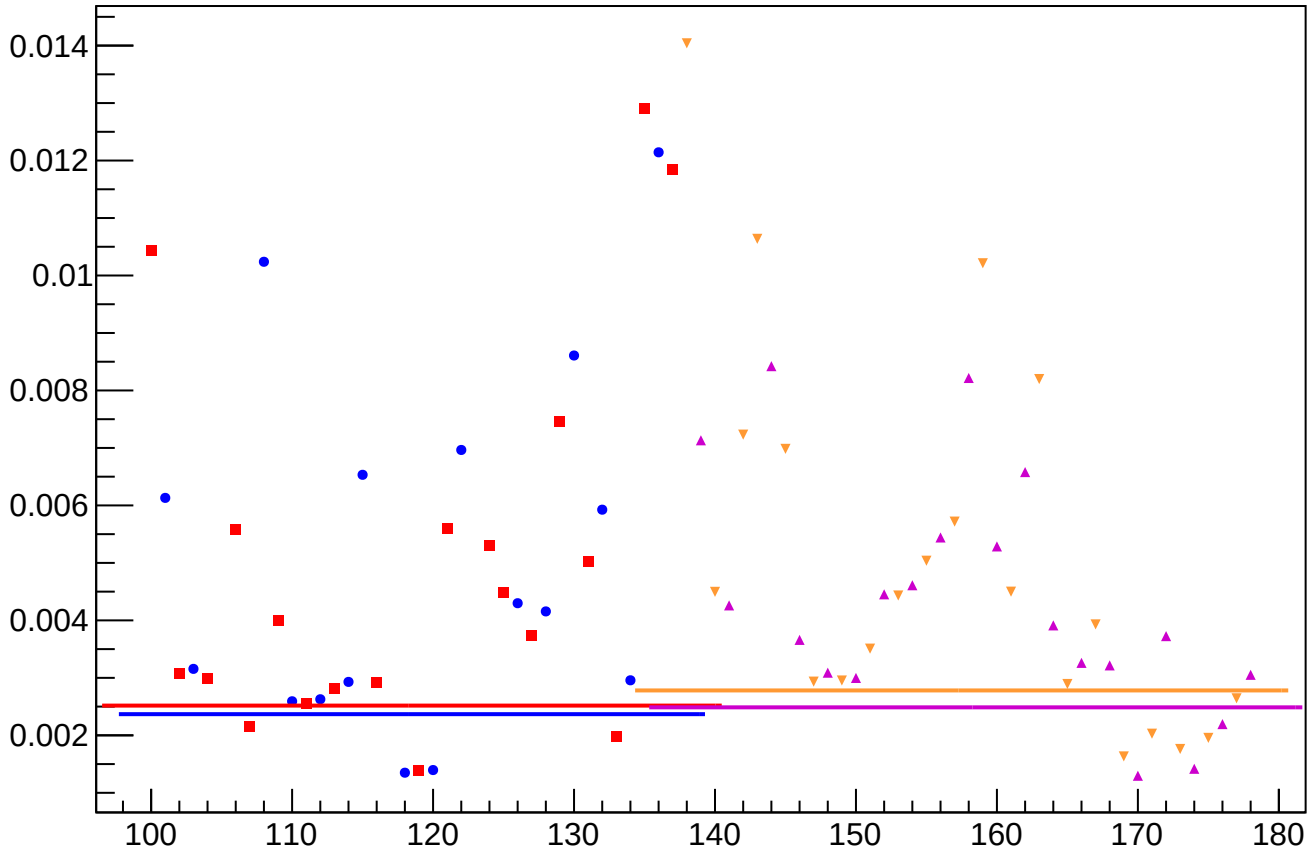
Left: -0.000+/-0.000 χ^2/NDF: 46.2/40

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:32.8/35

Out: 0.000+/-0.000 χ^2/NDF:51.4/39

All: -0.000+/-0.000 χ^2/NDF: 84.3/75



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:7615566.6/19

Left: 0.003+/-0.000 χ^2/NDF: 15391619.5/40

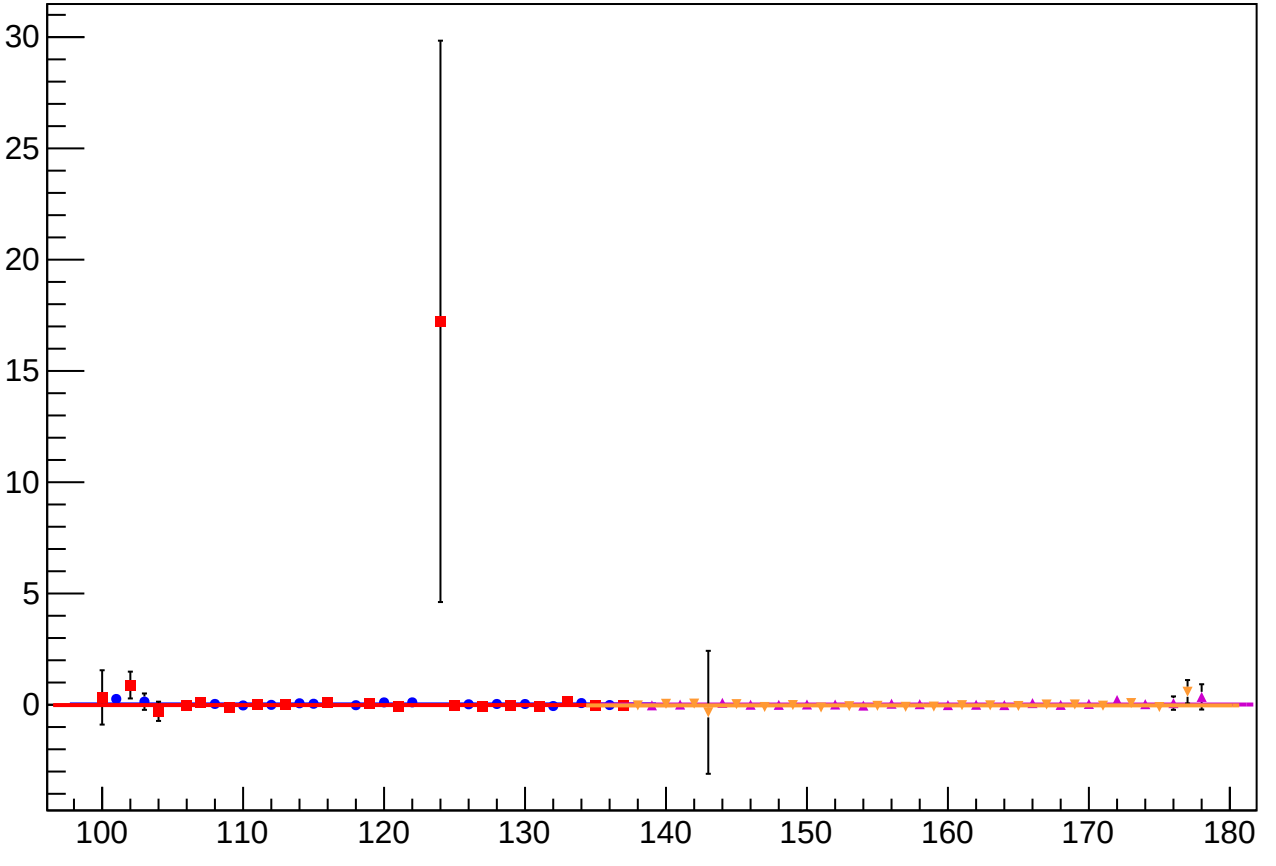
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.002+/-0.000 χ^2/NDF:12352907.7/35

Out: 0.003+/-0.000 χ^2/NDF:11108686.5/39

All: 0.003+/-0.000 χ^2/NDF: 23601130.4/75

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: 0.012+/-0.010 χ^2/NDF:11.1/19

Left: -0.008+/-0.007 χ^2/NDF: 44.5/40

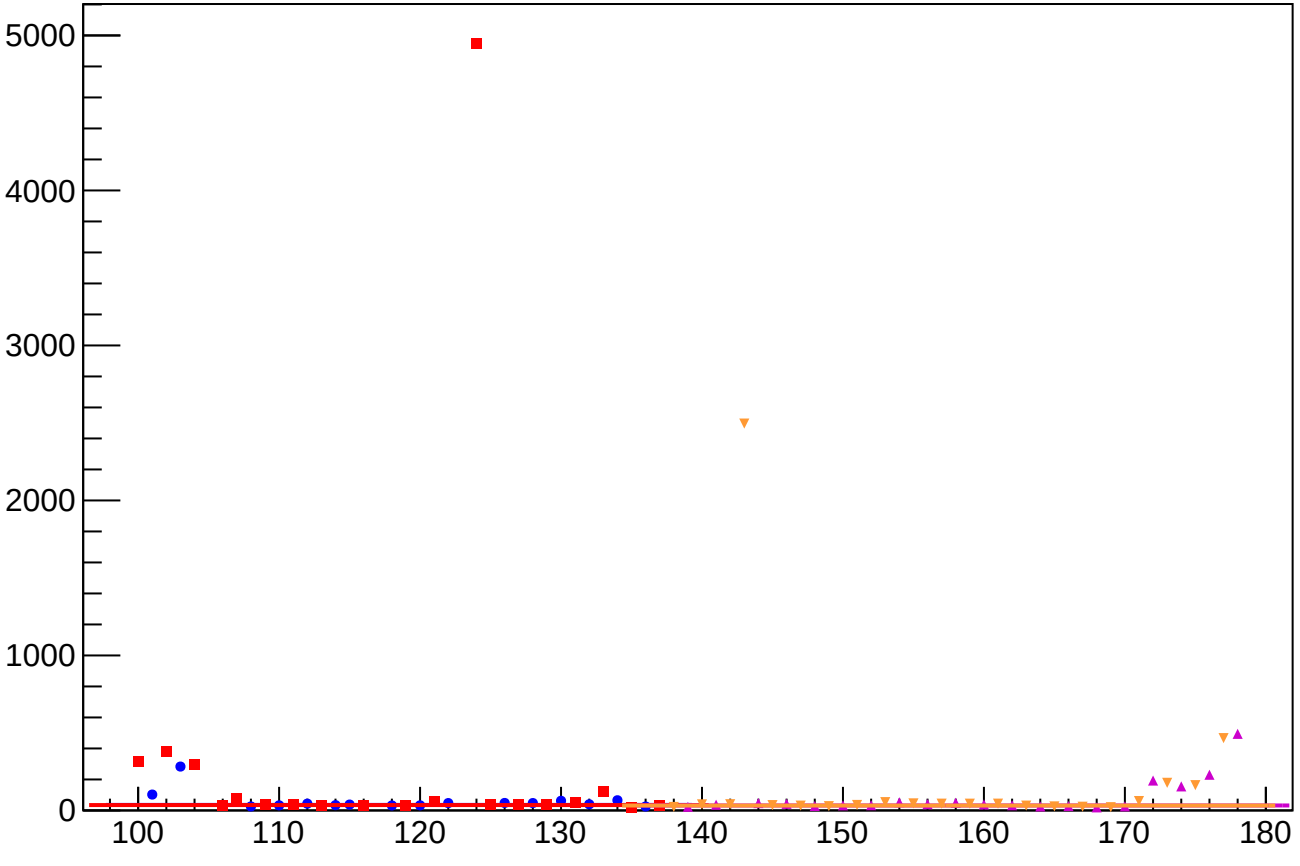
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.6/35

Out: -0.024+/-0.008 χ^2/NDF:41.8/39

All: -0.005+/-0.006 χ^2/NDF: 74.5/75

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: 32.157+/-0.007 χ^2/NDF:5952417.1/19

Left: 31.988+/-0.005 χ^2/NDF: 12639036.8/40

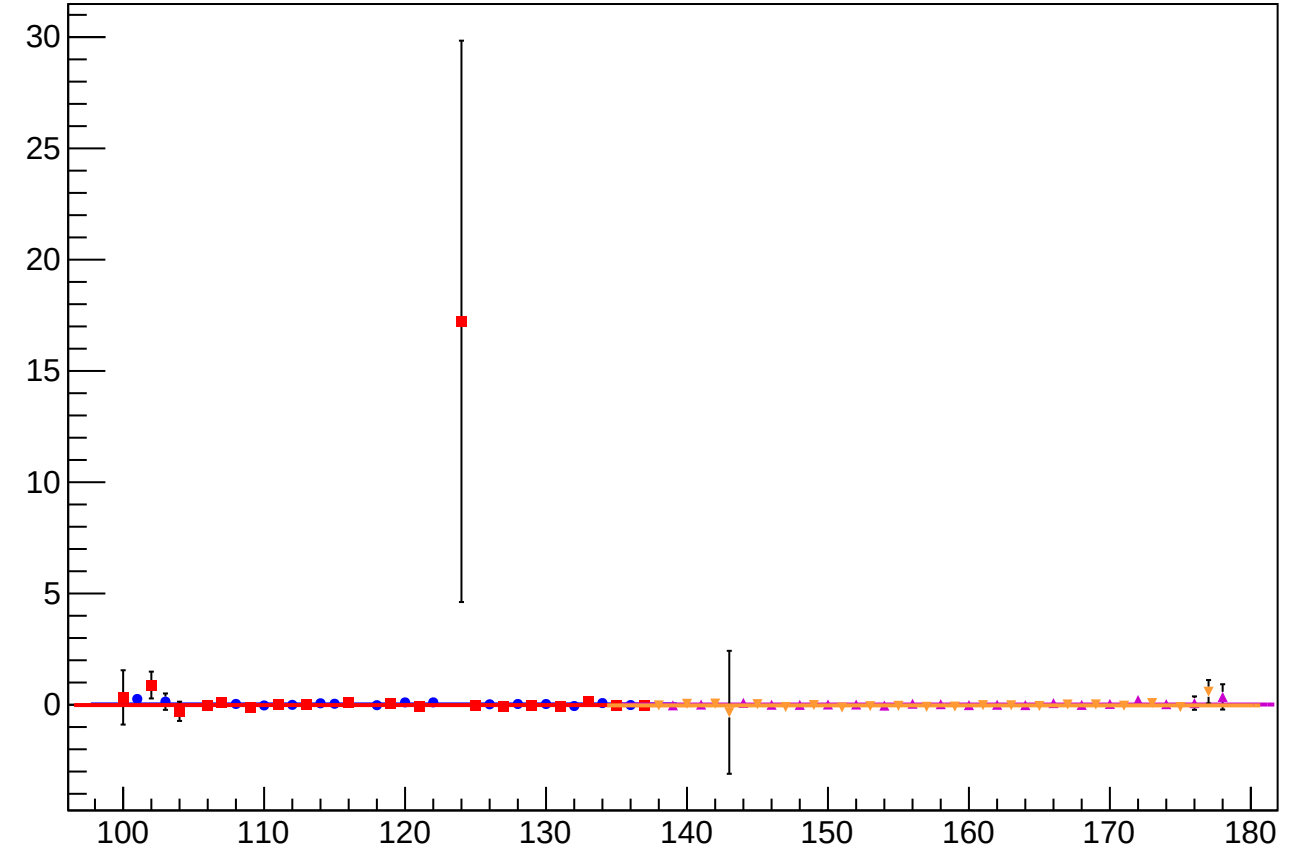
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 33.143+/-0.006 χ^2/NDF:8295074.5/35

Out: 32.627+/-0.006 χ^2/NDF:9652322.1/39

All: 32.886+/-0.004 χ^2/NDF: 17951445.0/75

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: 0.012+/-0.010 χ^2/NDF:11.1/19

Left: -0.008+/-0.007 χ^2/NDF: 44.5/40

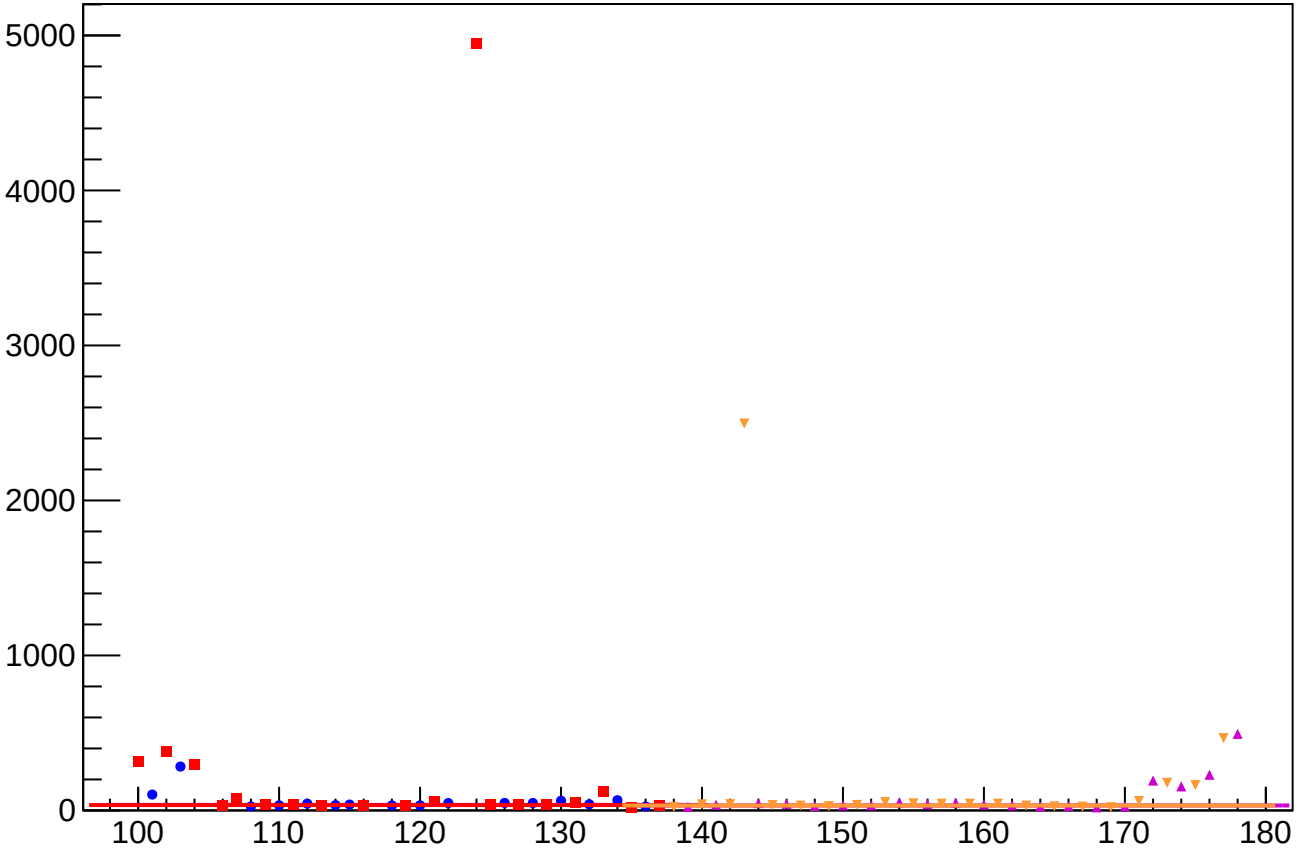
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.6/35

Out: -0.024+/-0.008 χ^2/NDF:41.8/39

All: -0.005+/-0.006 χ^2/NDF: 74.5/75

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: 32.157+/-0.007 χ^2/NDF:5952417.1/19

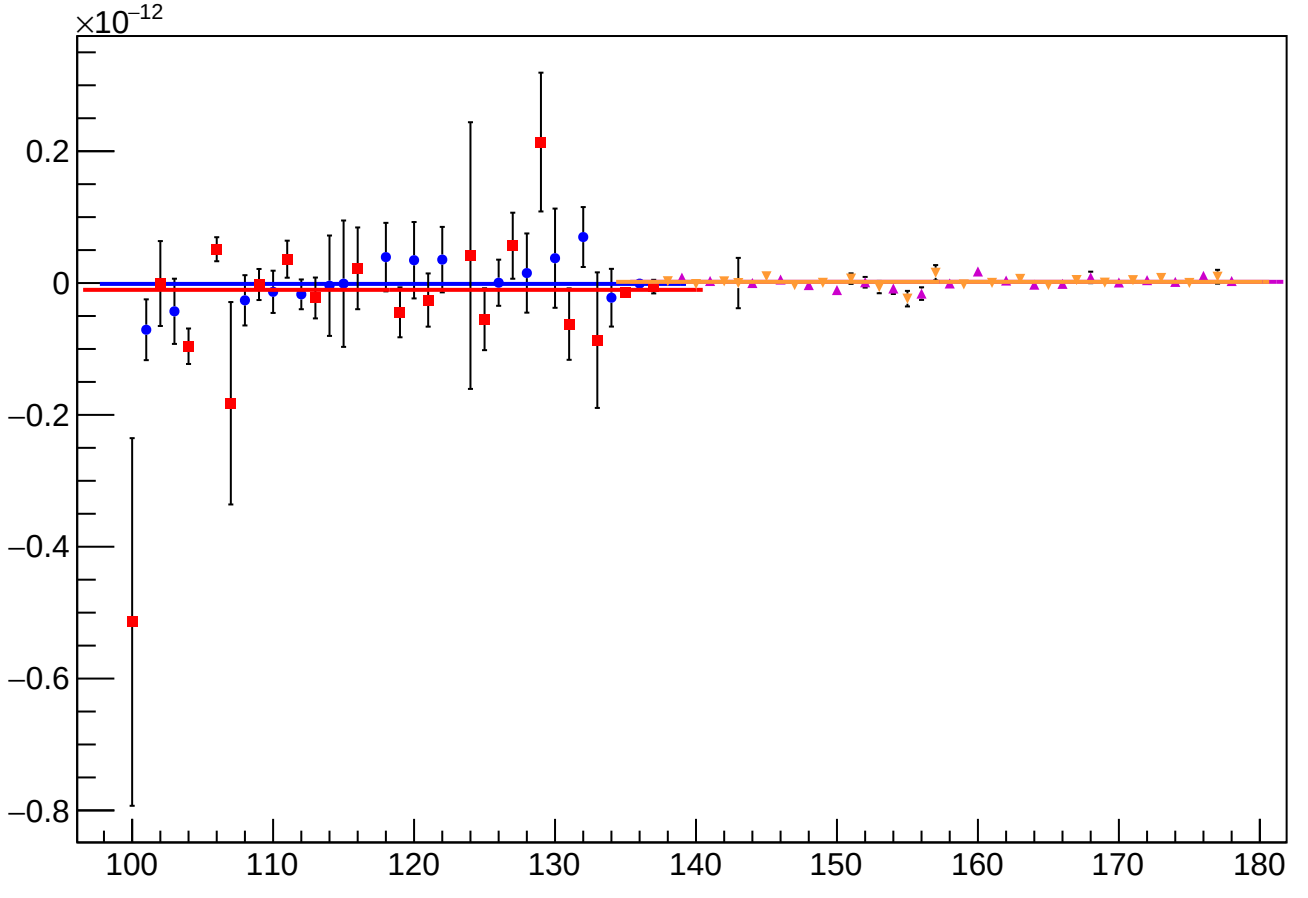
Left: 31.988+/-0.005 χ^2/NDF: 12639036.8/40

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 33.143+/-0.006 χ^2/NDF:8295074.5/35

Out: 32.627+/-0.006 χ^2/NDF:9652322.1/39

All: 32.886+/-0.004 χ^2/NDF: 17951445.0/75



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:23.0/19

Left: 0.000+/-0.000 χ^2/NDF: 38.4/40

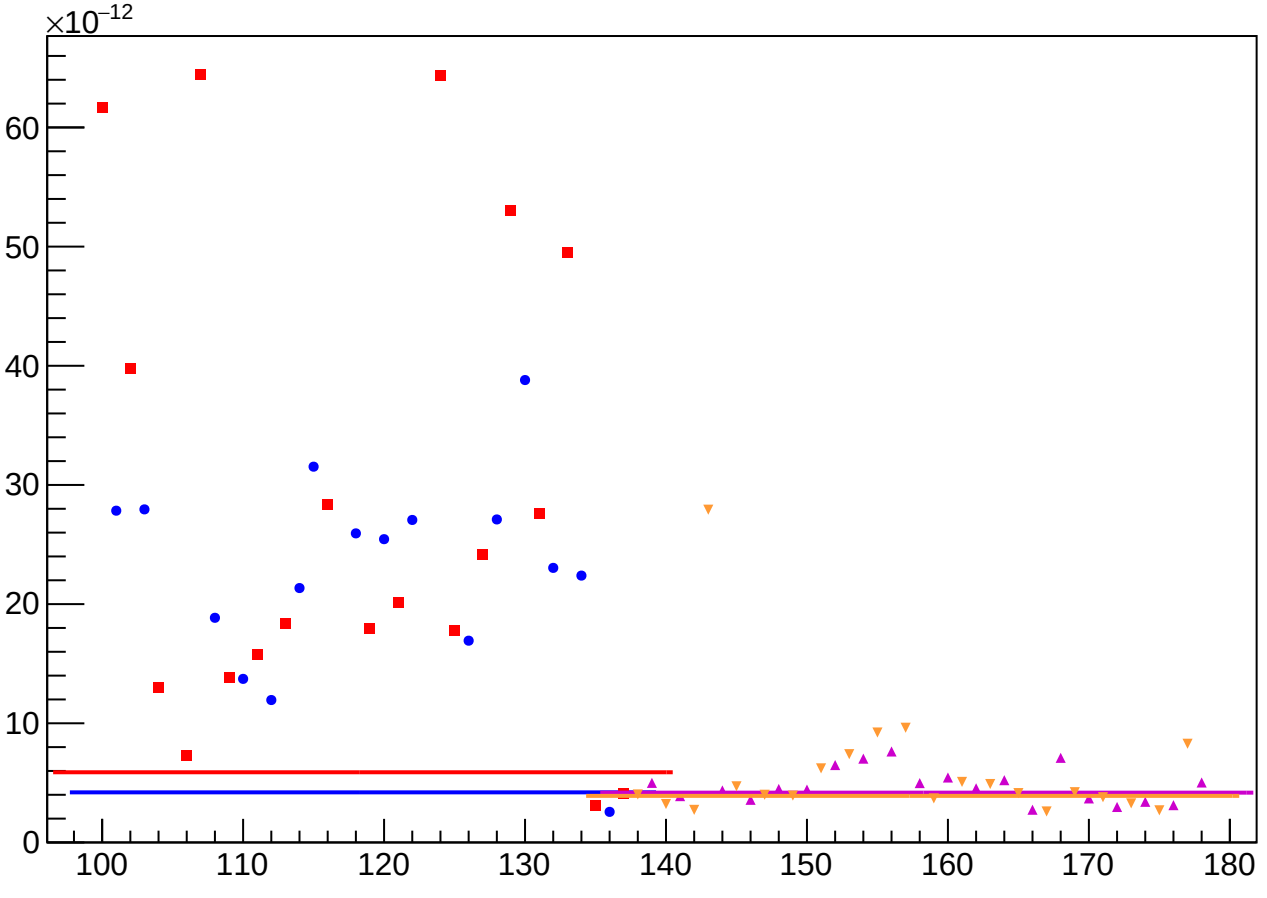
Right: -0.000+/-0.000 χ^2/NDF: 51.3/34

In: 0.000+/-0.000 χ^2/NDF:32.3/35

Out: 0.000+/-0.000 χ^2/NDF:63.1/39

All: 0.000+/-0.000 χ^2/NDF: 95.6/75

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:3282441.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1691644.8/19

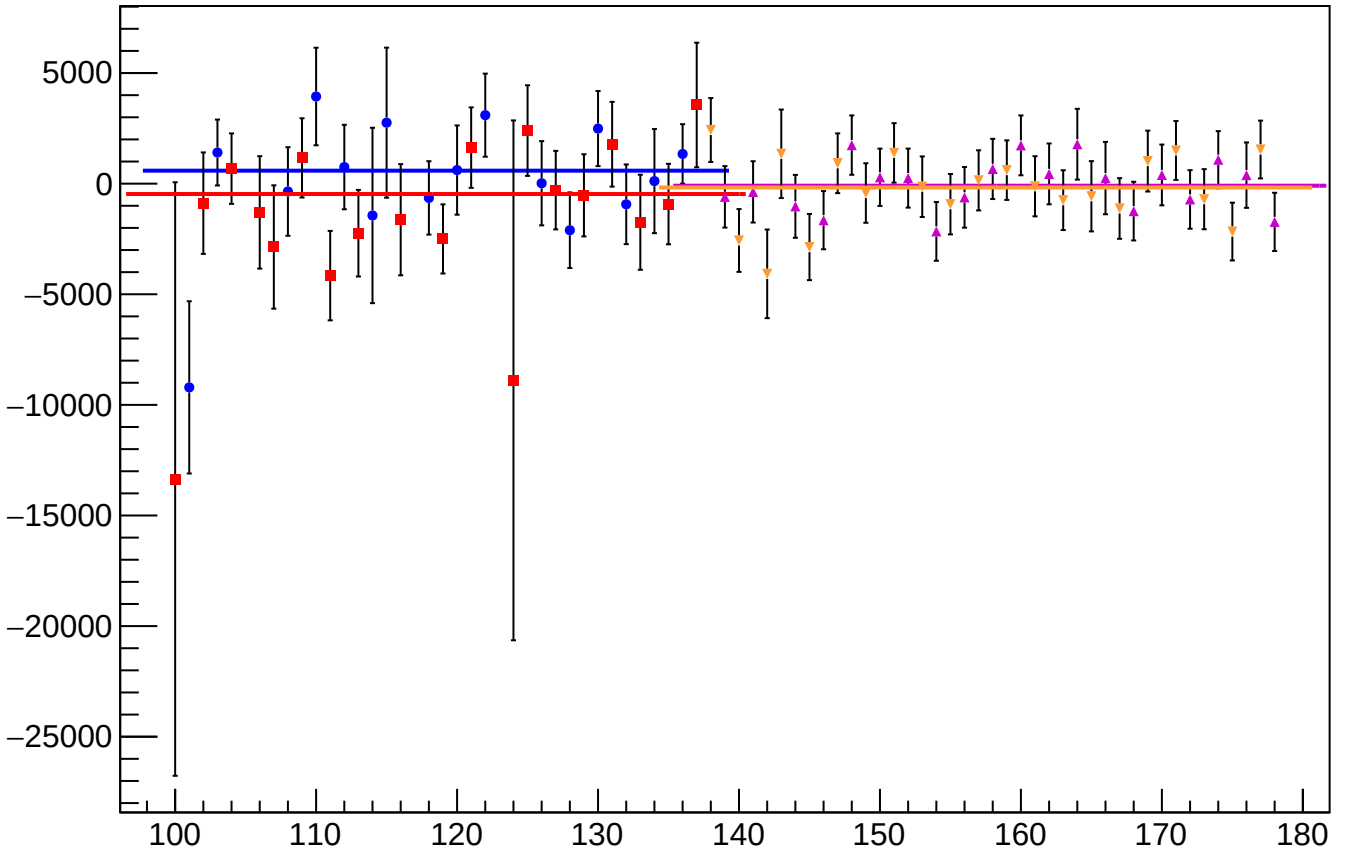
Left: 0.000+/-0.000 χ^2/NDF: 5020052.2/40

Right: 0.000+/-0.000 χ^2/NDF: 10135954.8/34

In: 0.000+/-0.000 χ^2/NDF:6771960.1/35

Out: 0.000+/-0.000 χ^2/NDF:8556363.5/39

All: 0.000+/-0.000 χ^2/NDF: 15337048.6/75



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: -92.918+/-307.018 χ^2/NDF:13.9/19

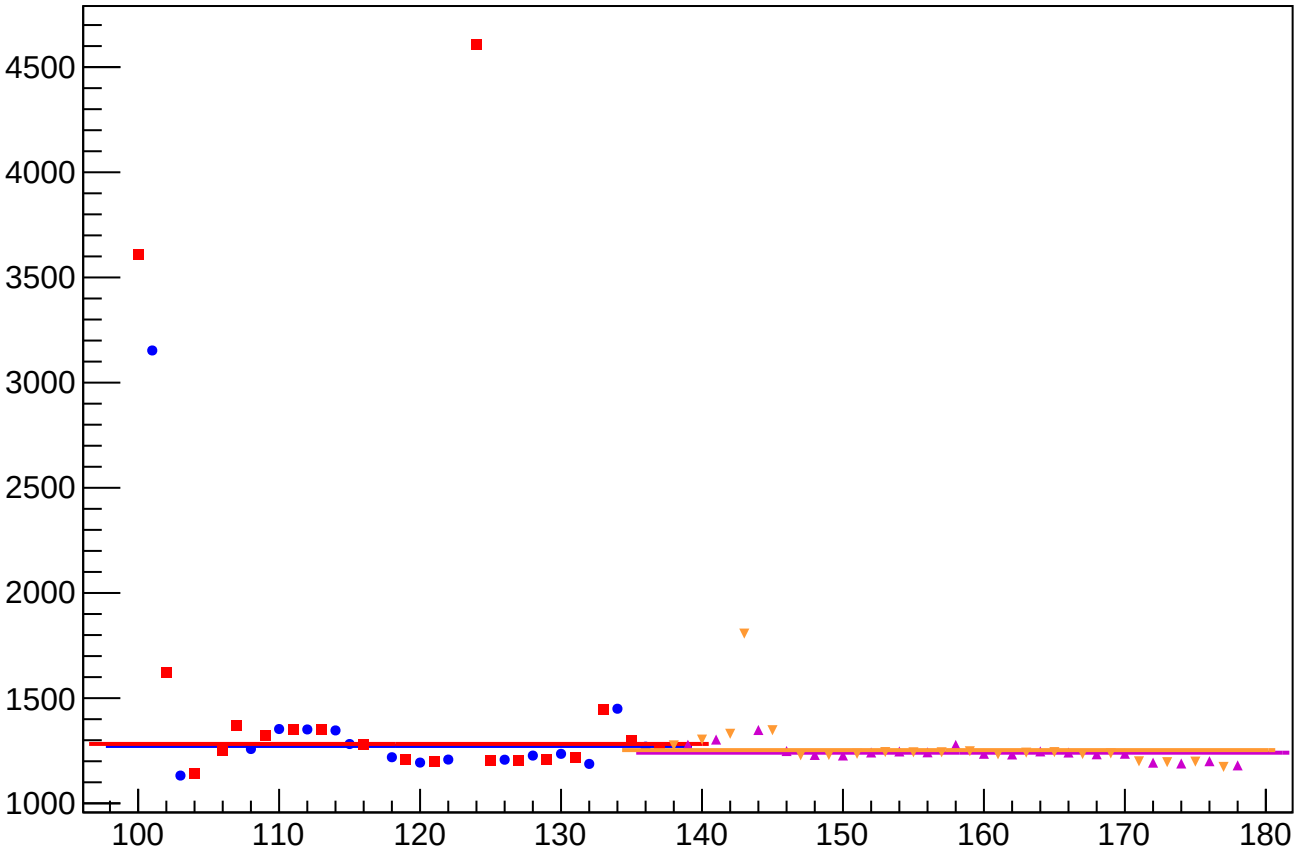
Left: -133.540+/-217.317 χ^2/NDF: 37.6/40

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 103.053+/-259.016 χ^2/NDF:32.4/35

Out: -260.004+/-259.094 χ^2/NDF:40.8/39

All: -78.421+/-183.180 χ^2/NDF: 74.2/75



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: 1240.677+/-0.217 χ^2/NDF:30617.4/19

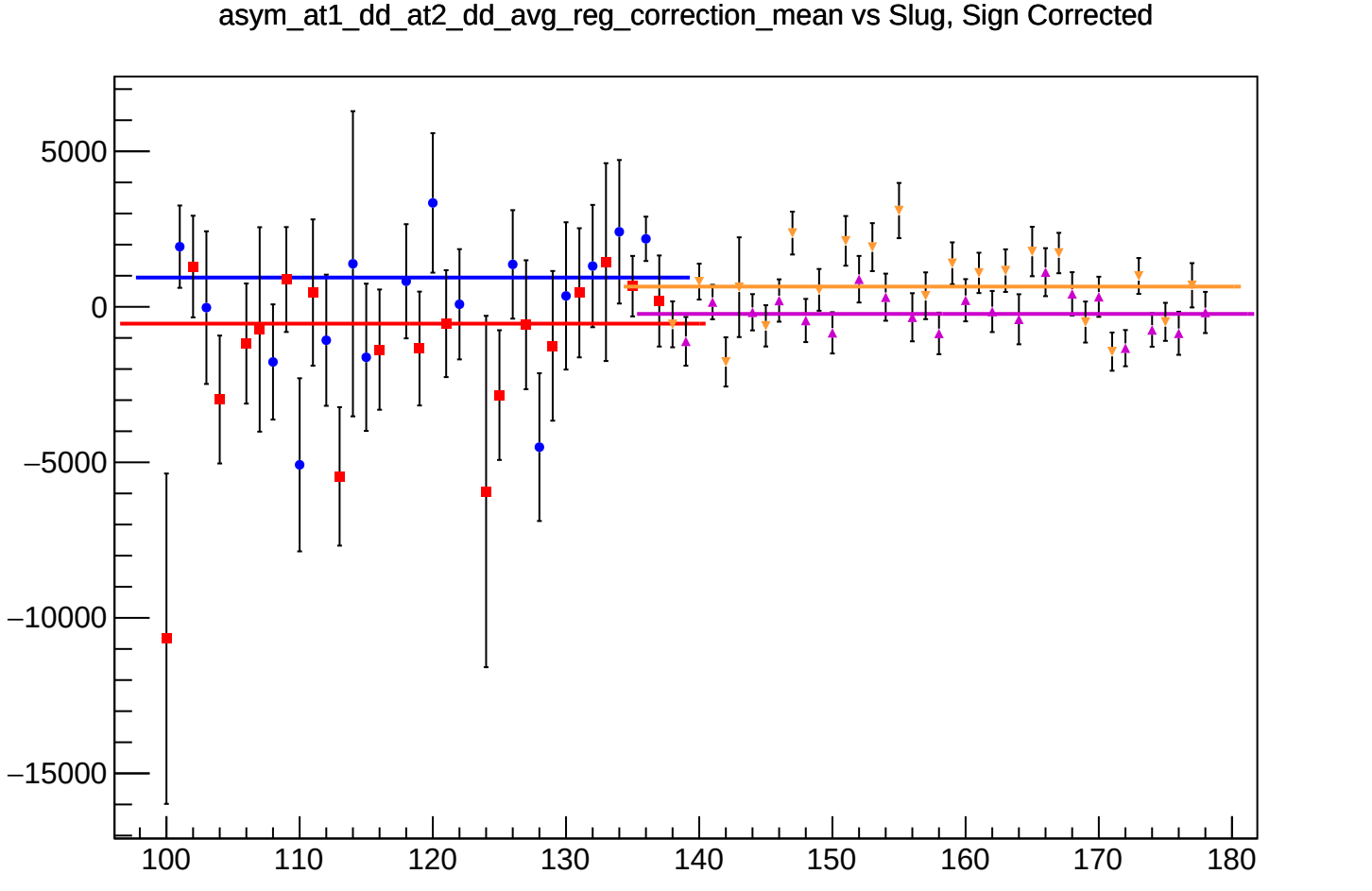
Left: 1246.817+/-0.154 χ^2/NDF: 220614.6/40

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1249.938+/-0.183 χ^2/NDF:556228.4/35

Out: 1261.525+/-0.183 χ^2/NDF:515776.4/39

All: 1255.730+/-0.130 χ^2/NDF: 1074005.6/75



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: -228.064+/-149.657 χ^2/NDF:17.1/19

Left: 202.831+/-106.833 χ^2/NDF: 95.2/40

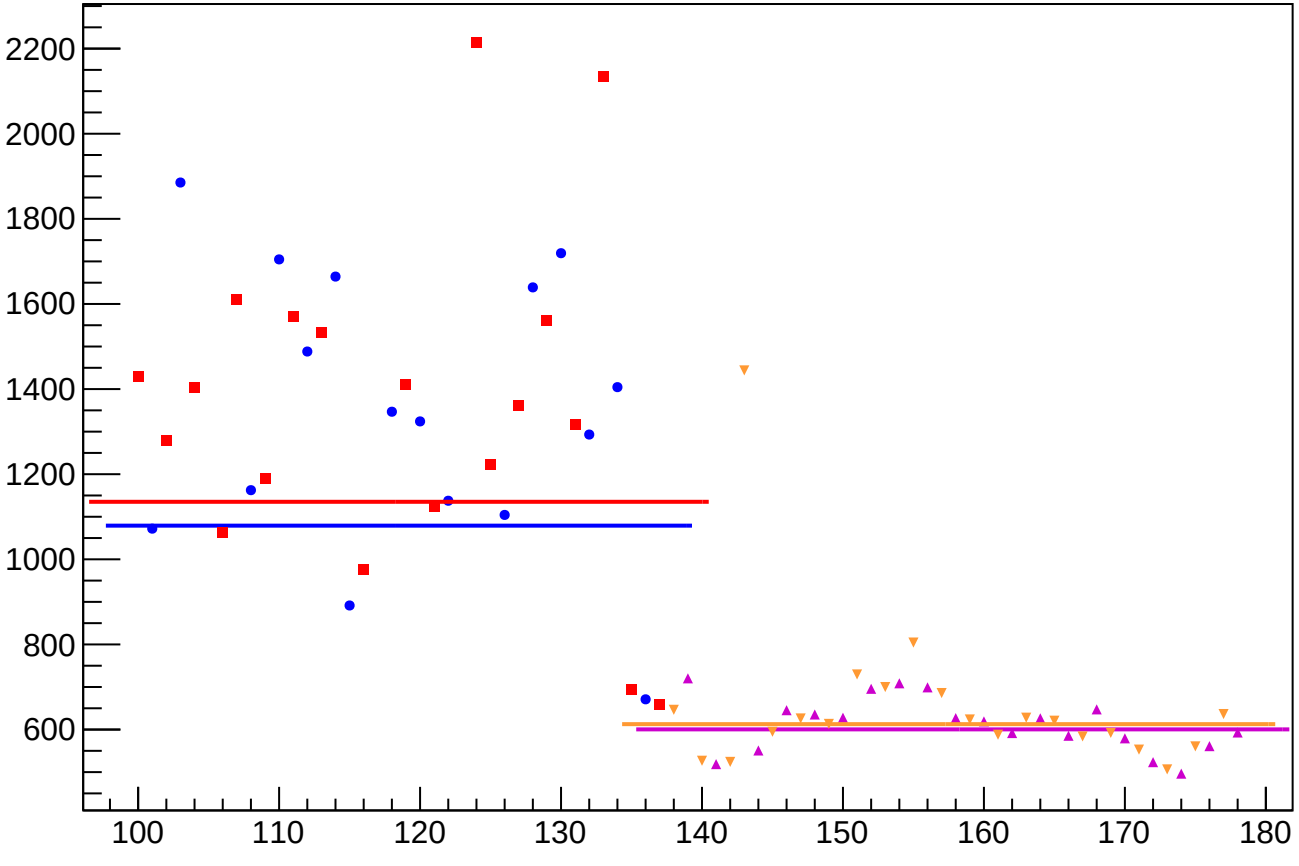
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: -99.461+/-141.192 χ^2/NDF:43.7/35

Out: 522.691+/-144.133 χ^2/NDF:84.9/39

All: 205.202+/-100.861 χ^2/NDF: 138.2/75

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: 600.408+/-0.106 χ^2/NDF:362658.3/19

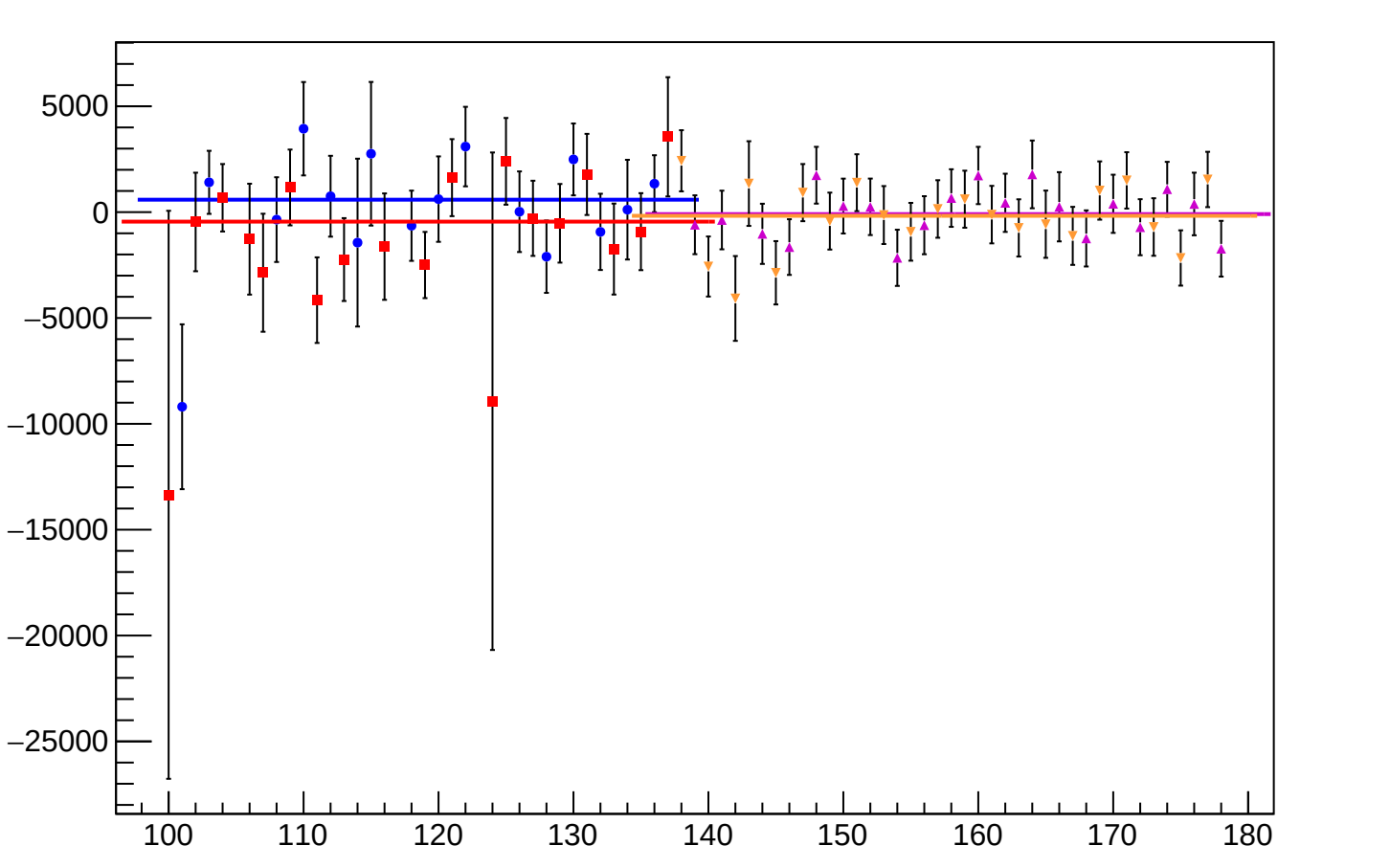
Left: 606.435+/-0.076 χ^2/NDF: 1277348.8/40

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 653.035+/-0.100 χ^2/NDF:4094535.5/35

Out: 668.786+/-0.102 χ^2/NDF:4719429.8/39

All: 660.748+/-0.071 χ^2/NDF: 8826154.1/75



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: -92.963+/-307.018 χ^2/NDF:13.9/19

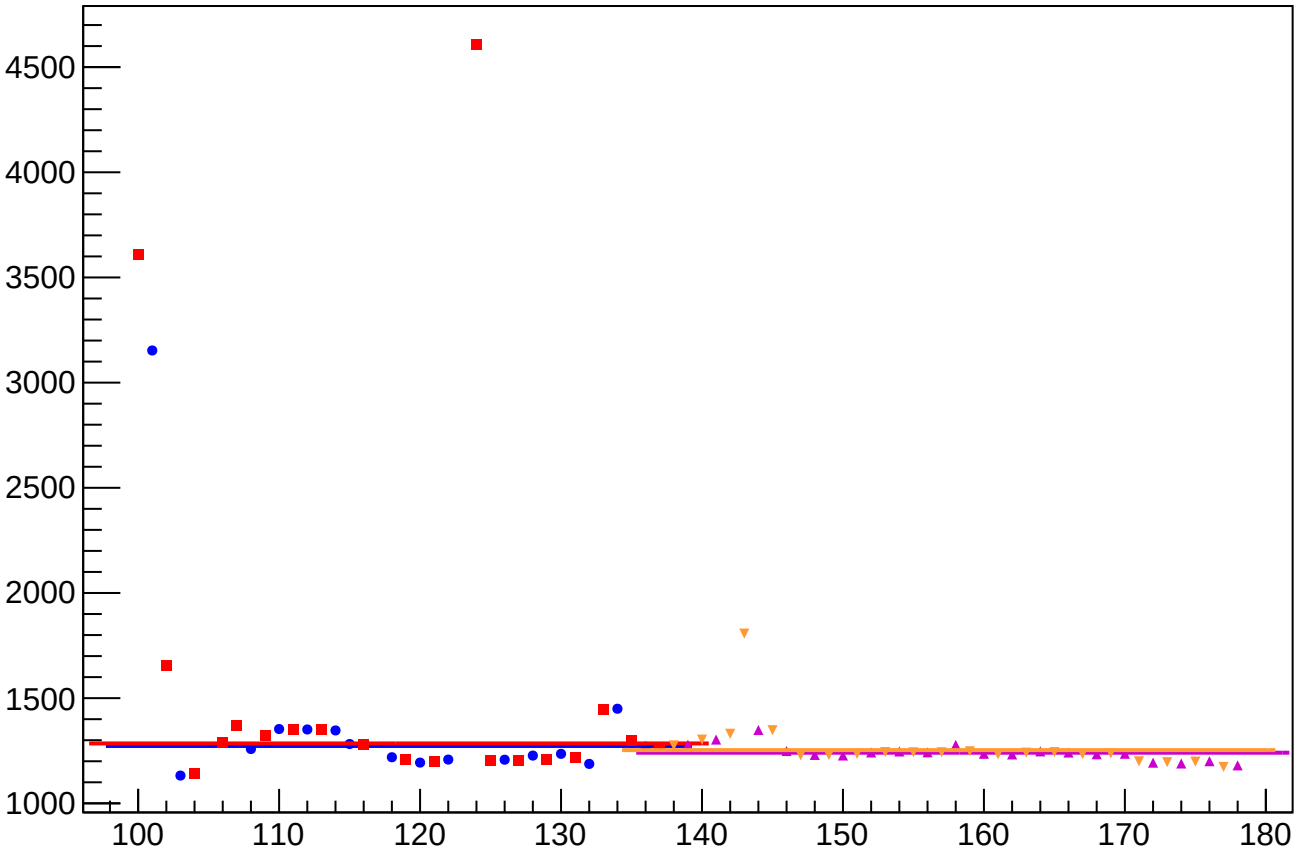
Left: -133.586+/-217.317 χ^2/NDF: 37.6/40

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 103.113+/-259.016 χ^2/NDF:32.3/35

Out: -253.856+/-259.222 χ^2/NDF:40.8/39

All: -75.229+/-183.225 χ^2/NDF: 74.0/75



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: 1240.677+/-0.217 χ^2/NDF:30617.4/19

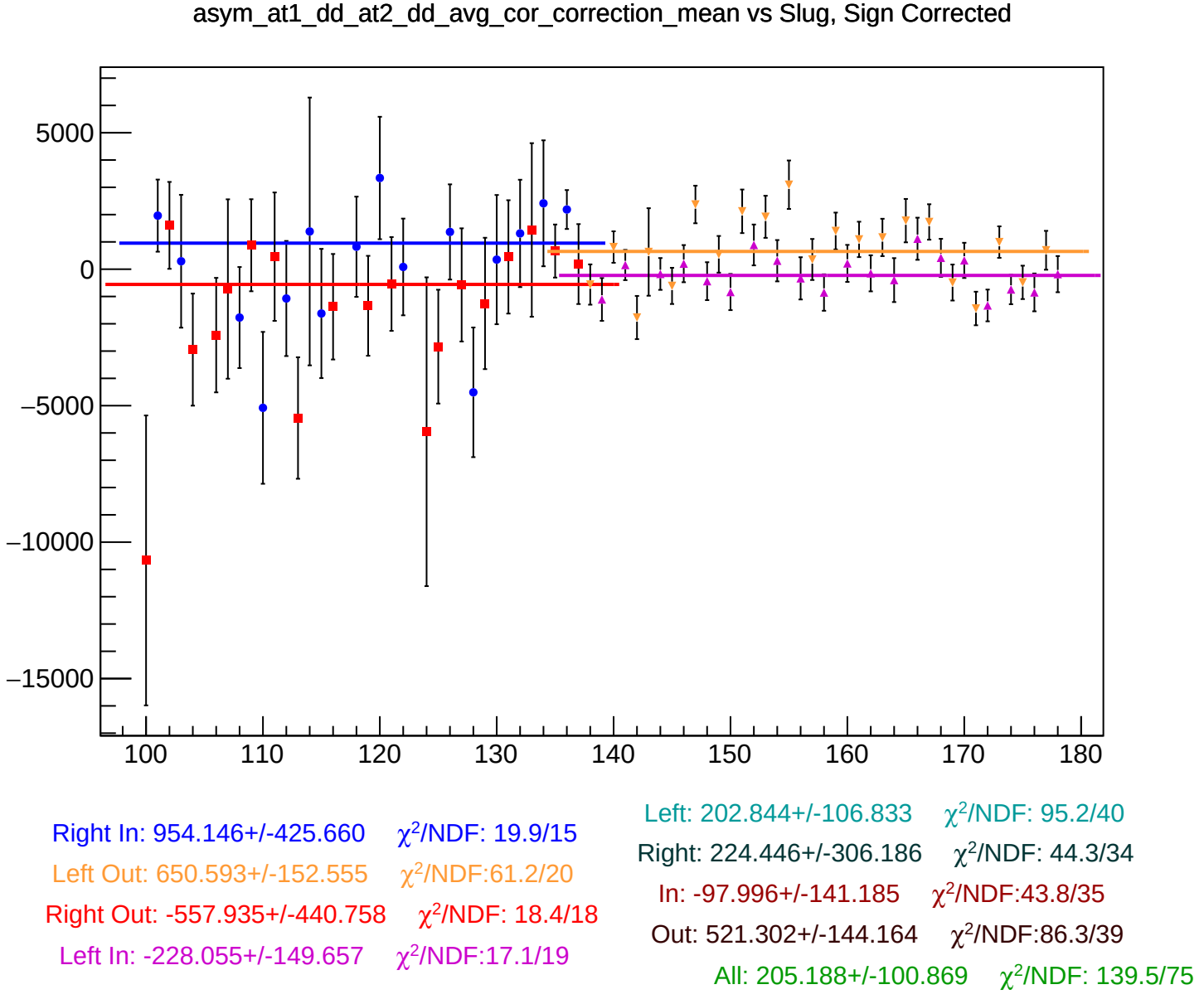
Left: 1246.817+/-0.154 χ^2/NDF: 220614.6/40

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

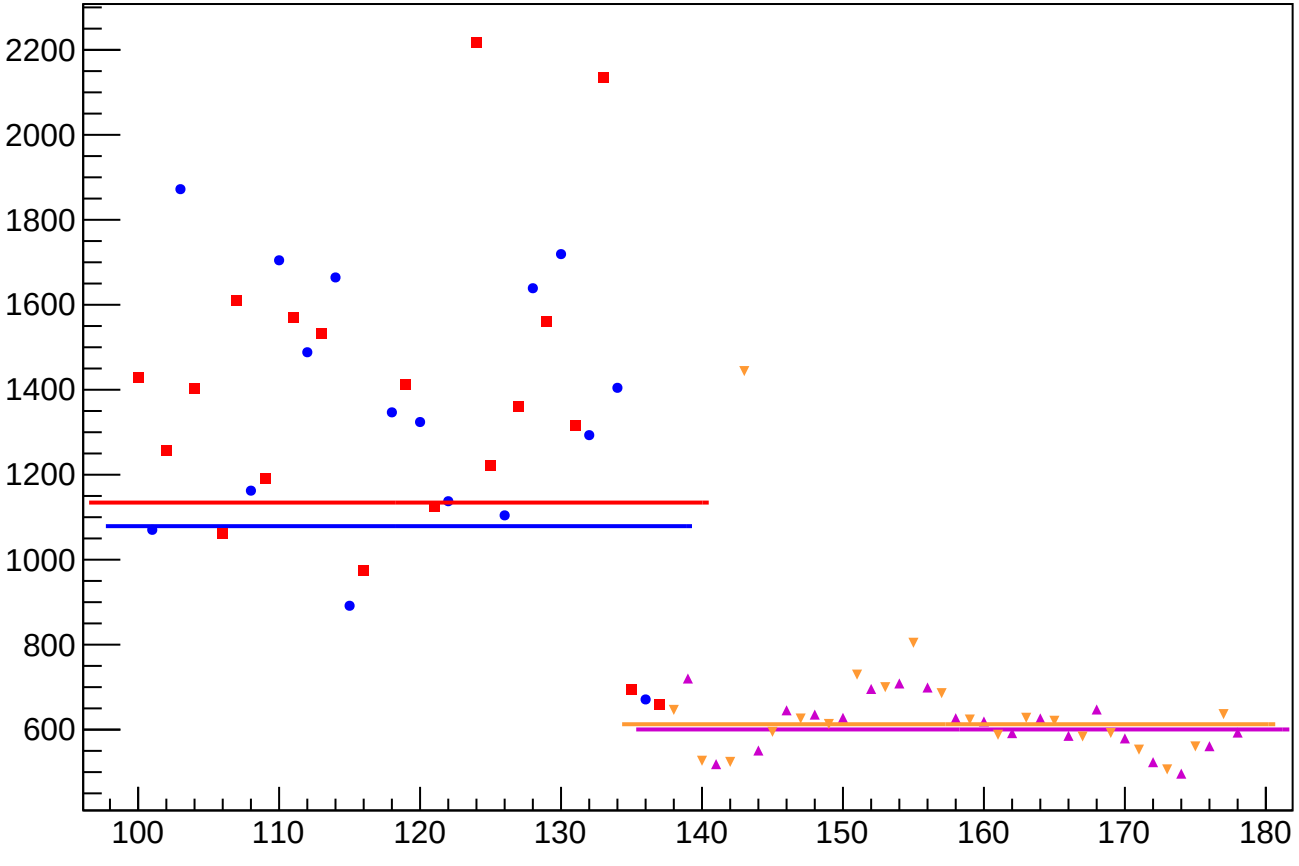
In: 1249.938+/-0.183 χ^2/NDF:556229.7/35

Out: 1262.169+/-0.183 χ^2/NDF:523276.6/39

All: 1256.048+/-0.130 χ^2/NDF: 1081734.4/75


asym_at1_dd_at2_dd_avg_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
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: -228.055+/-149.657 χ²/NDF:17.1/19
Left: 202.844+/-106.833 χ²/NDF: 95.2/40
Right: 224.446+/-306.186 χ²/NDF: 44.3/34
In: -97.996+/-141.185 χ²/NDF:43.8/35
Out: 521.302+/-144.164 χ²/NDF:86.3/39
All: 205.188+/-100.869 χ²/NDF: 139.5/75

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: 600.404+/-0.106 χ^2/NDF:362683.1/19

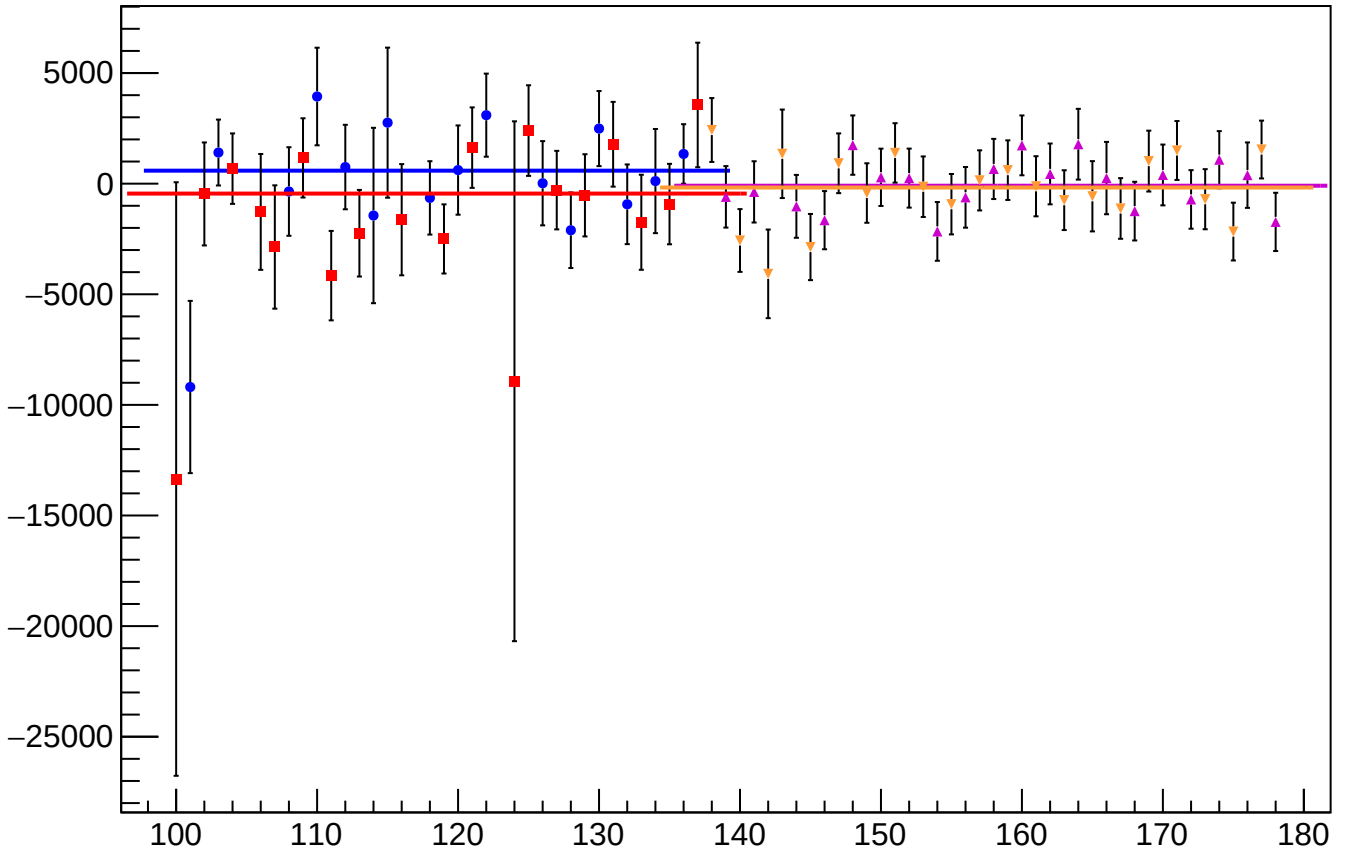
Left: 606.435+/-0.076 χ^2/NDF: 1277333.5/40

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 653.049+/-0.100 χ^2/NDF:4090976.3/35

Out: 668.517+/-0.102 χ^2/NDF:4699431.4/39

All: 660.622+/-0.071 χ^2/NDF: 8802160.1/75



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: -92.963+/-307.018 χ^2/NDF:13.9/19

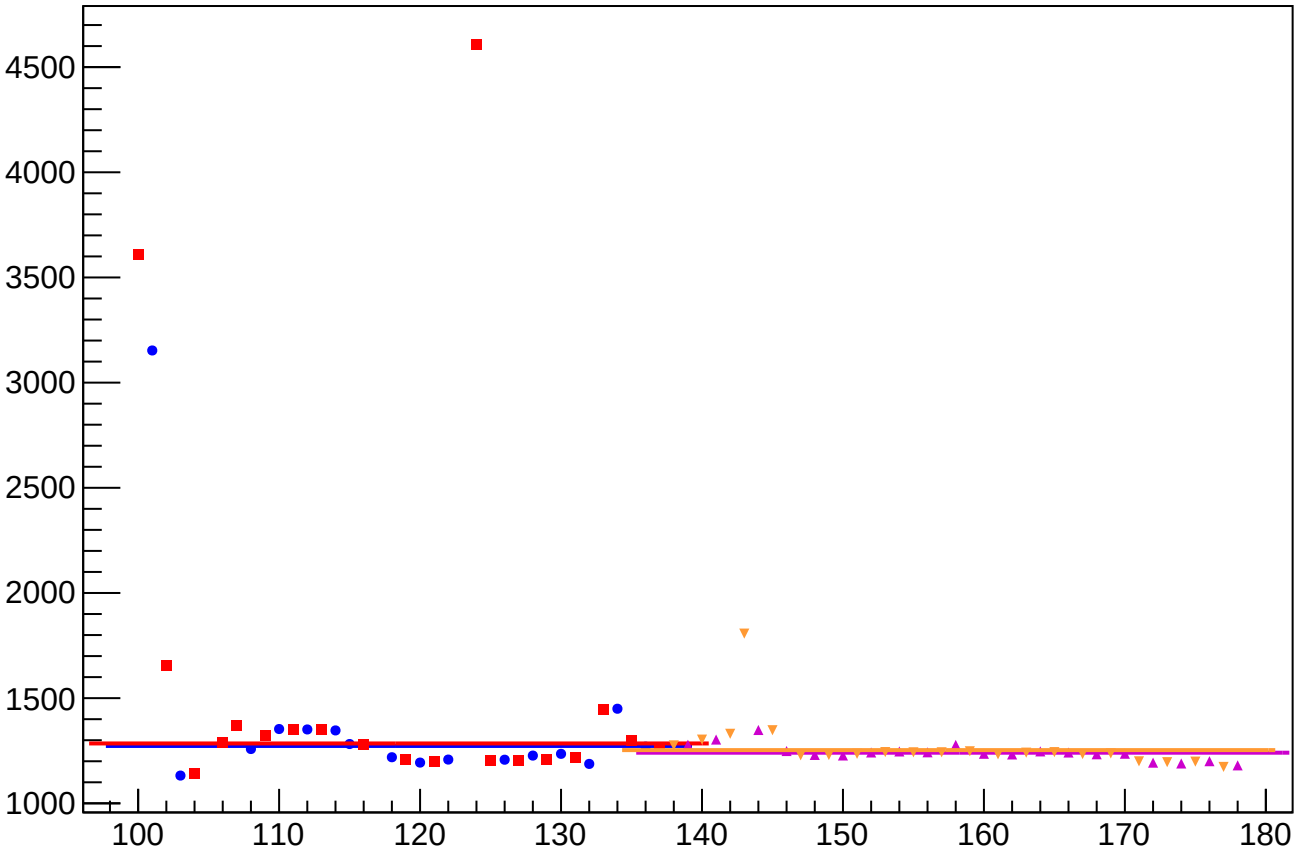
Left: -133.586+/-217.317 χ^2/NDF: 37.6/40

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 103.113+/-259.016 χ^2/NDF:32.3/35

Out: -253.856+/-259.222 χ^2/NDF:40.8/39

All: -75.229+/-183.225 χ^2/NDF: 74.0/75



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: 1240.677+/-0.217 χ^2/NDF:30617.4/19

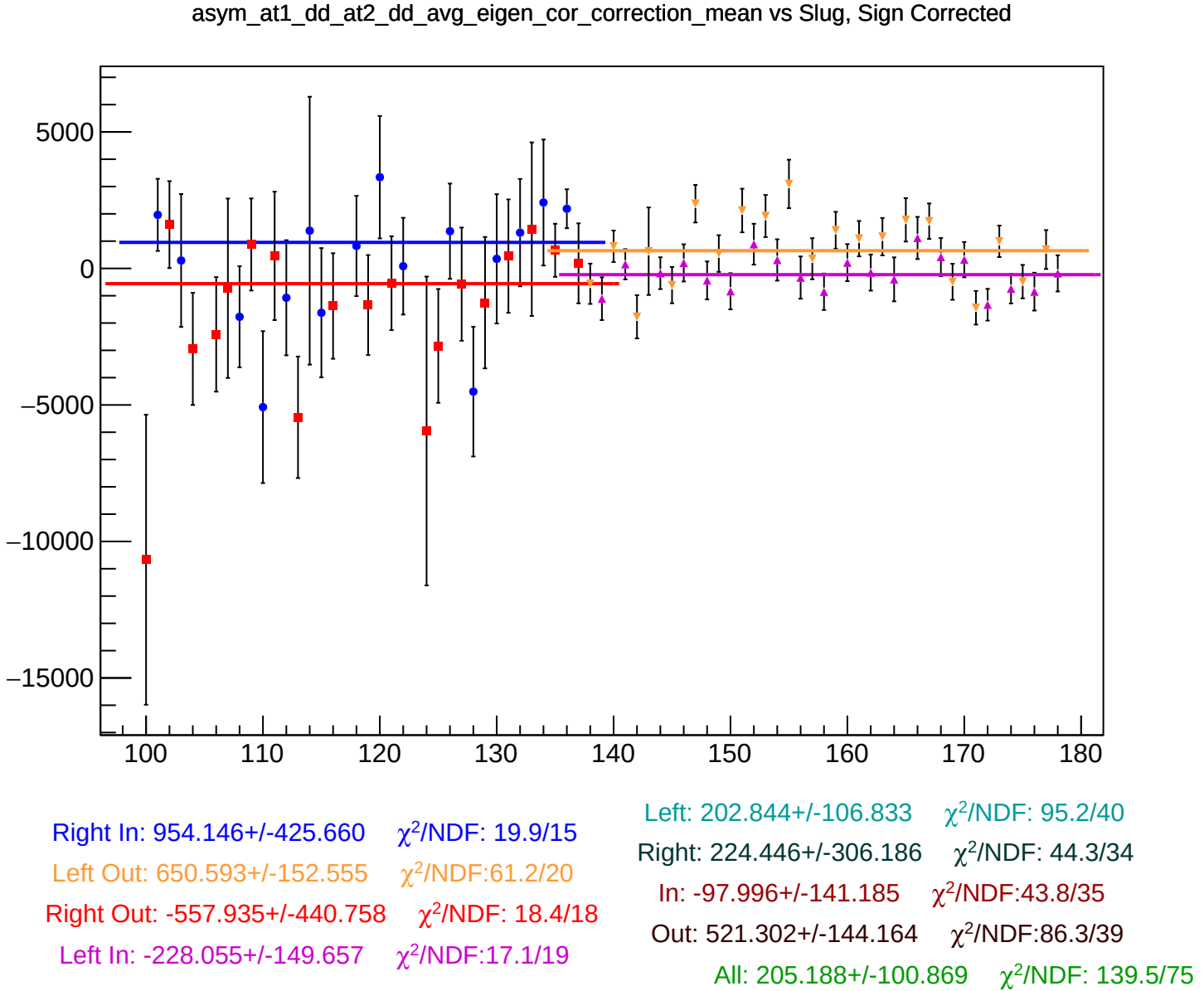
Left: 1246.817+/-0.154 χ^2/NDF: 220614.6/40

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

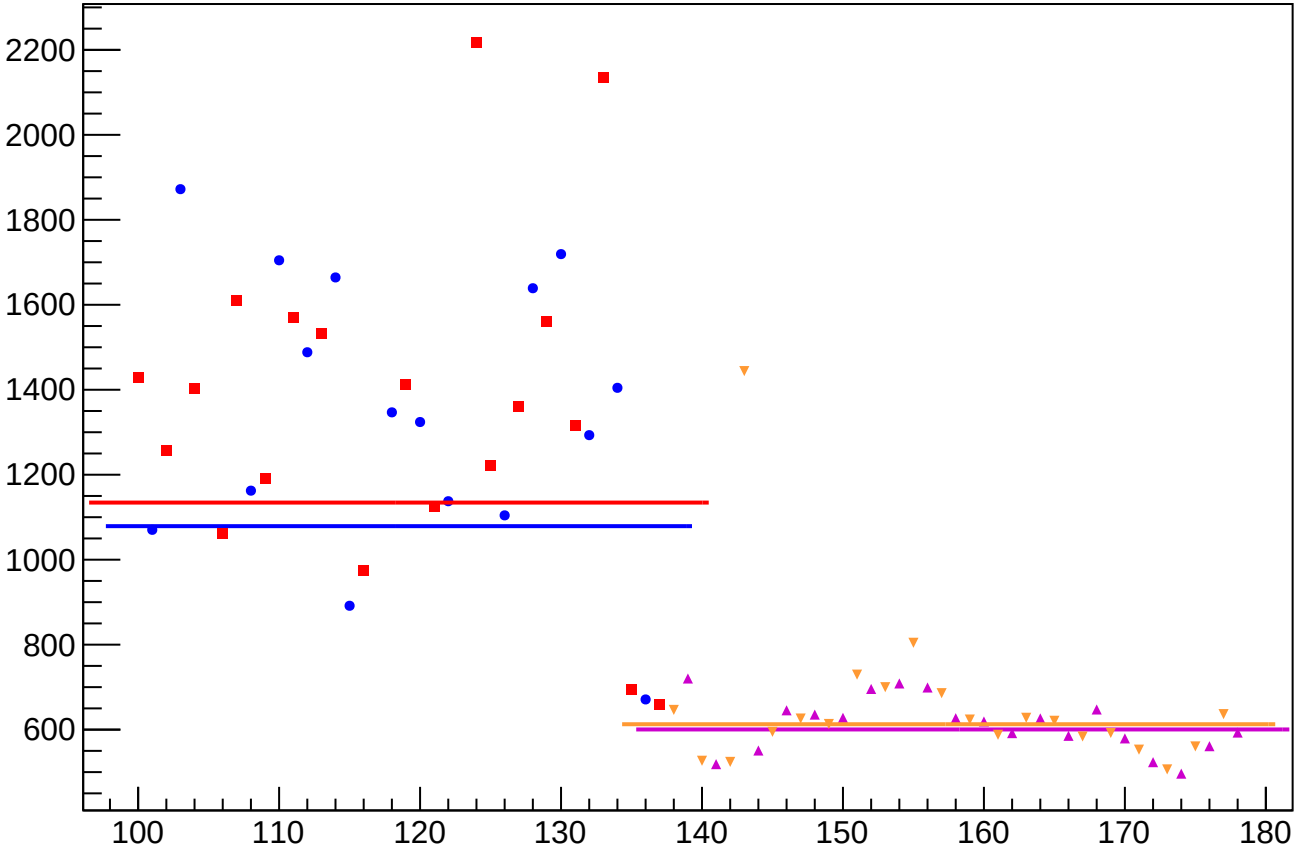
In: 1249.938+/-0.183 χ^2/NDF:556229.7/35

Out: 1262.169+/-0.183 χ^2/NDF:523276.6/39

All: 1256.048+/-0.130 χ^2/NDF: 1081734.4/75


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: -228.055+/-149.657 χ²/NDF:17.1/19
Left: 202.844+/-106.833 χ²/NDF: 95.2/40
Right: 224.446+/-306.186 χ²/NDF: 44.3/34
In: -97.996+/-141.185 χ²/NDF:43.8/35
Out: 521.302+/-144.164 χ²/NDF:86.3/39
All: 205.188+/-100.869 χ²/NDF: 139.5/75

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: 600.404+/-0.106 χ^2/NDF:362683.1/19

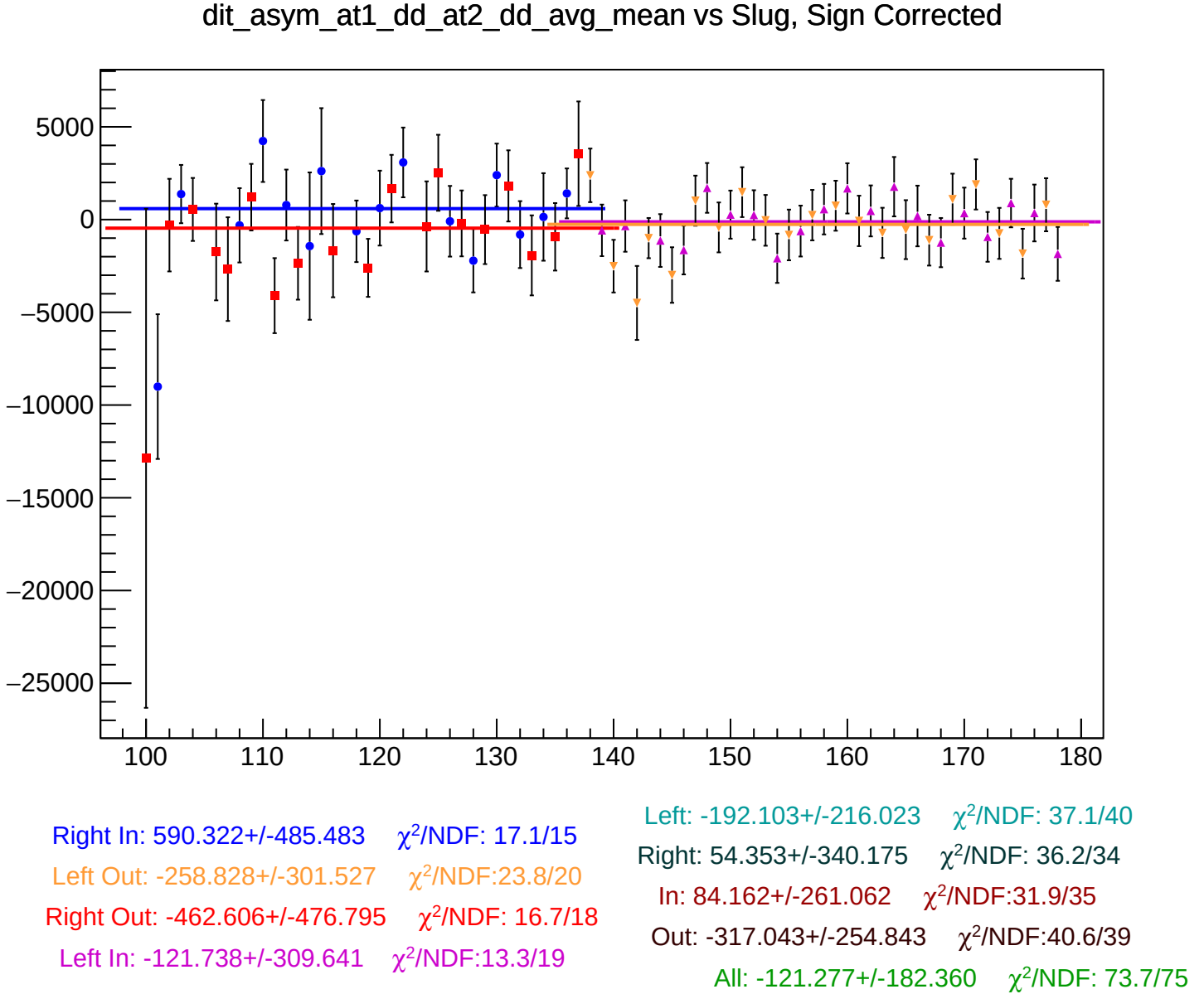
Left: 606.435+/-0.076 χ^2/NDF: 1277333.5/40

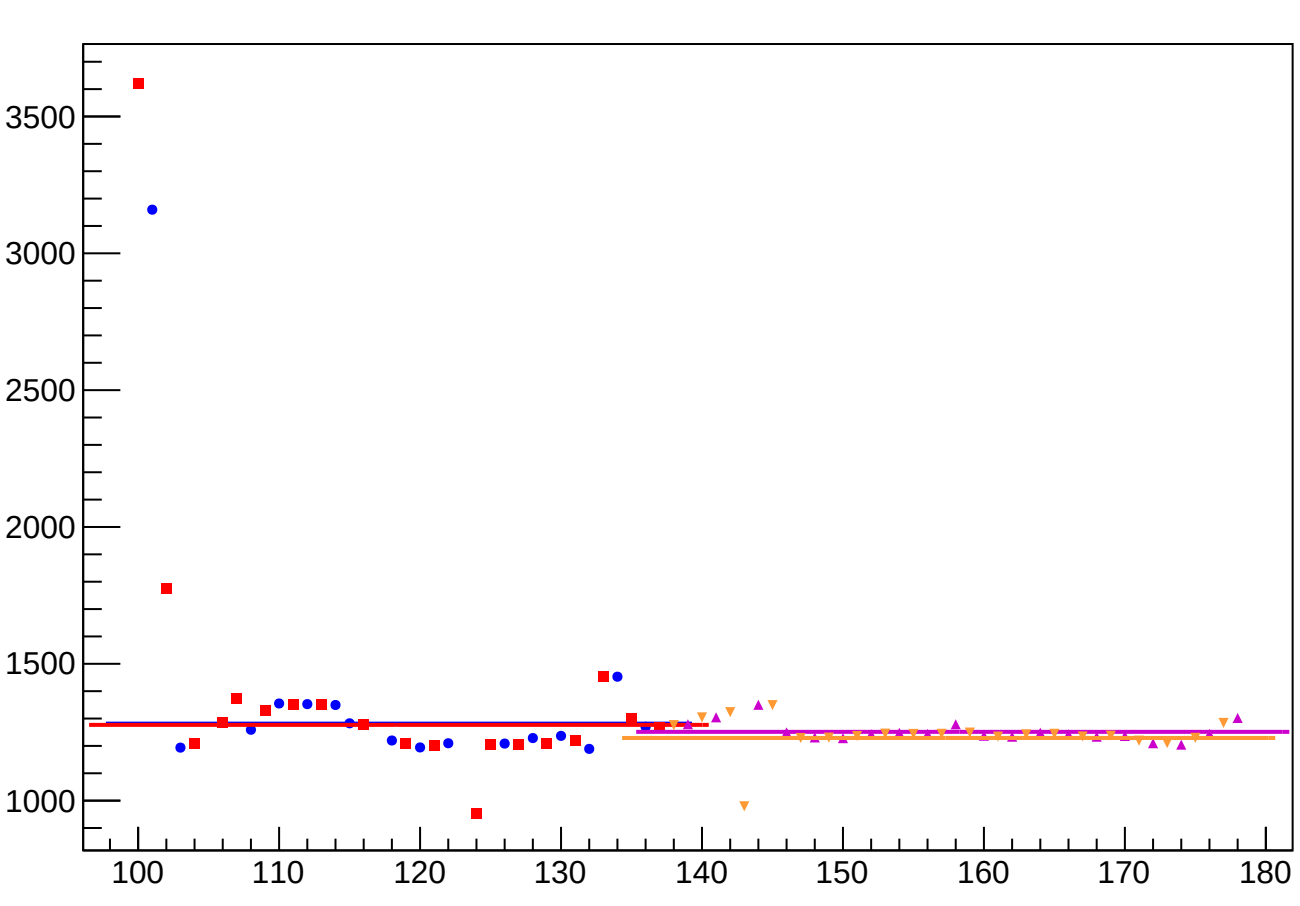
Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 653.049+/-0.100 χ^2/NDF:4090976.3/35

Out: 668.517+/-0.102 χ^2/NDF:4699431.4/39

All: 660.622+/-0.071 χ^2/NDF: 8802160.1/75


dit_asym_at1_dd_at2_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
Right In: 590.322+/-485.483 χ²/NDF: 17.1/15
Left Out: -258.828+/-301.527 χ²/NDF:23.8/20
Right Out: -462.606+/-476.795 χ²/NDF: 16.7/18
Left In: -121.738+/-309.641 χ²/NDF:13.3/19
Left: -192.103+/-216.023 χ²/NDF: 37.1/40
Right: 54.353+/-340.175 χ²/NDF: 36.2/34
In: 84.162+/-261.062 χ²/NDF:31.9/35
Out: -317.043+/-254.843 χ²/NDF:40.6/39
All: -121.277+/-182.360 χ²/NDF: 73.7/75



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: 1251.373+/-0.219 χ^2/NDF:23643.4/19

Left: 1239.867+/-0.153 χ^2/NDF: 165396.1/40

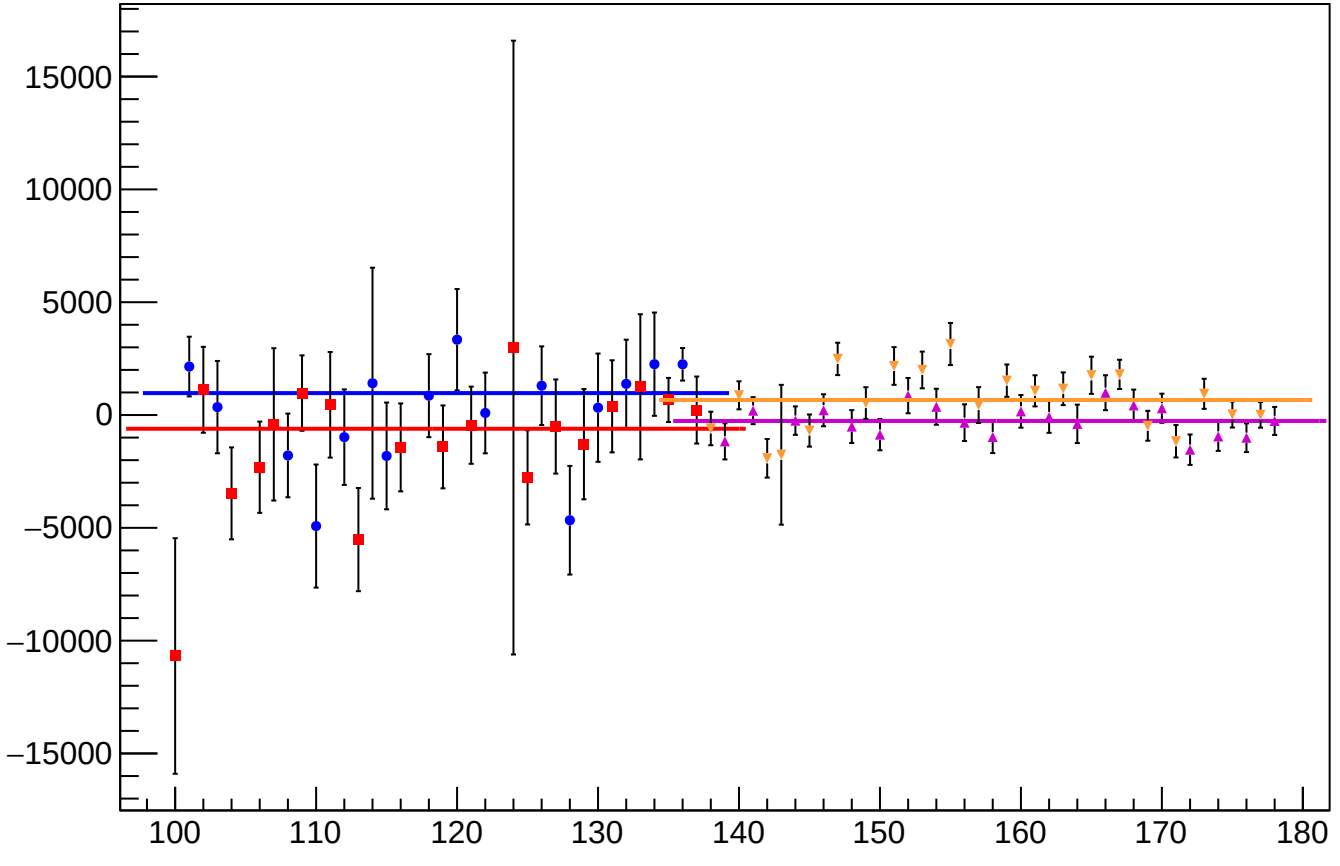
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1260.047+/-0.185 χ^2/NDF:536148.8/35

Out: 1242.641+/-0.180 χ^2/NDF:371307.1/39

All: 1251.134+/-0.129 χ^2/NDF: 912008.4/75

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: -263.517+/-156.871 χ^2/NDF:17.7/19

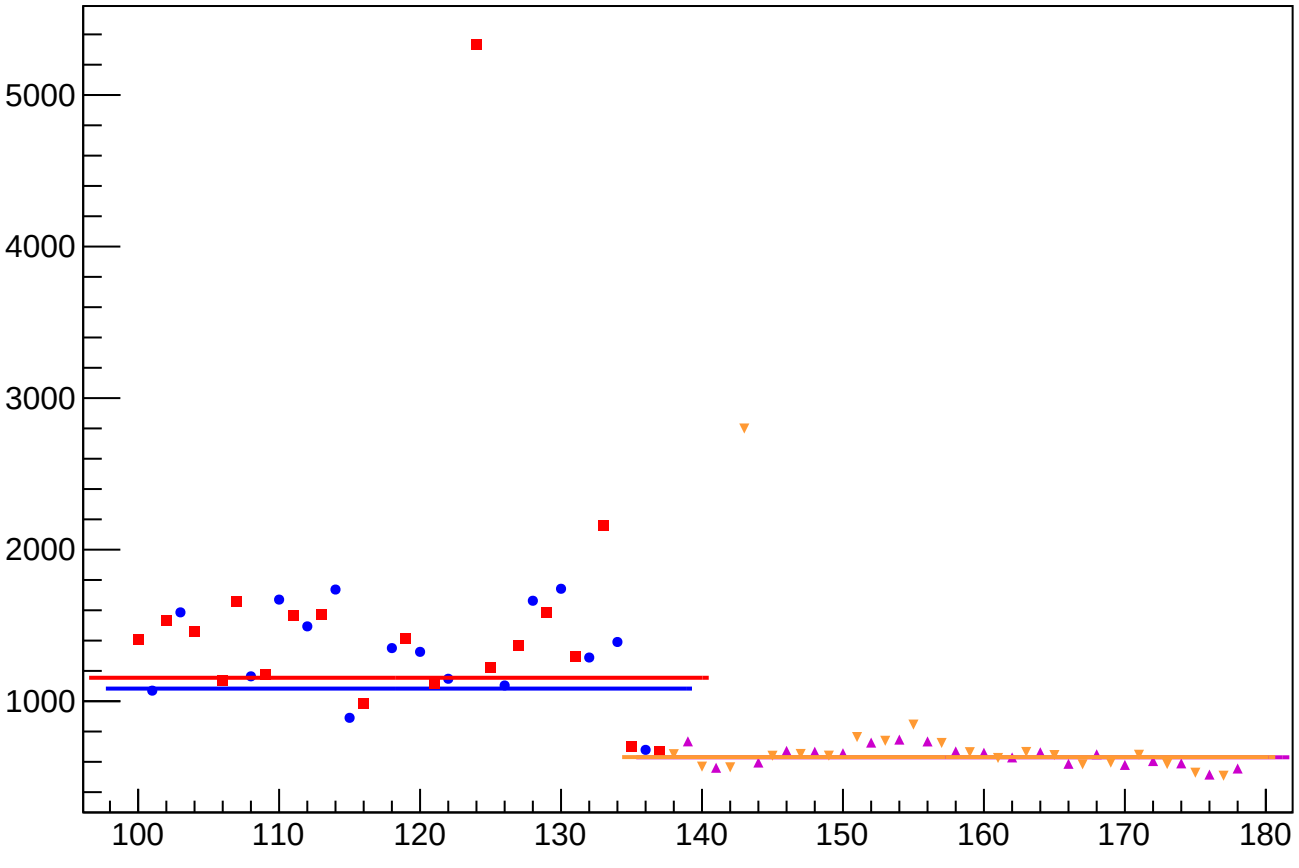
Left: 196.721+/-111.447 χ^2/NDF: 90.3/40

Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: -115.472+/-147.175 χ^2/NDF:45.6/35

Out: 524.057+/-149.295 χ^2/NDF:79.6/39

All: 199.720+/-104.810 χ^2/NDF: 134.5/75



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: 629.938+/-0.111 χ^2/NDF:324416.8/19

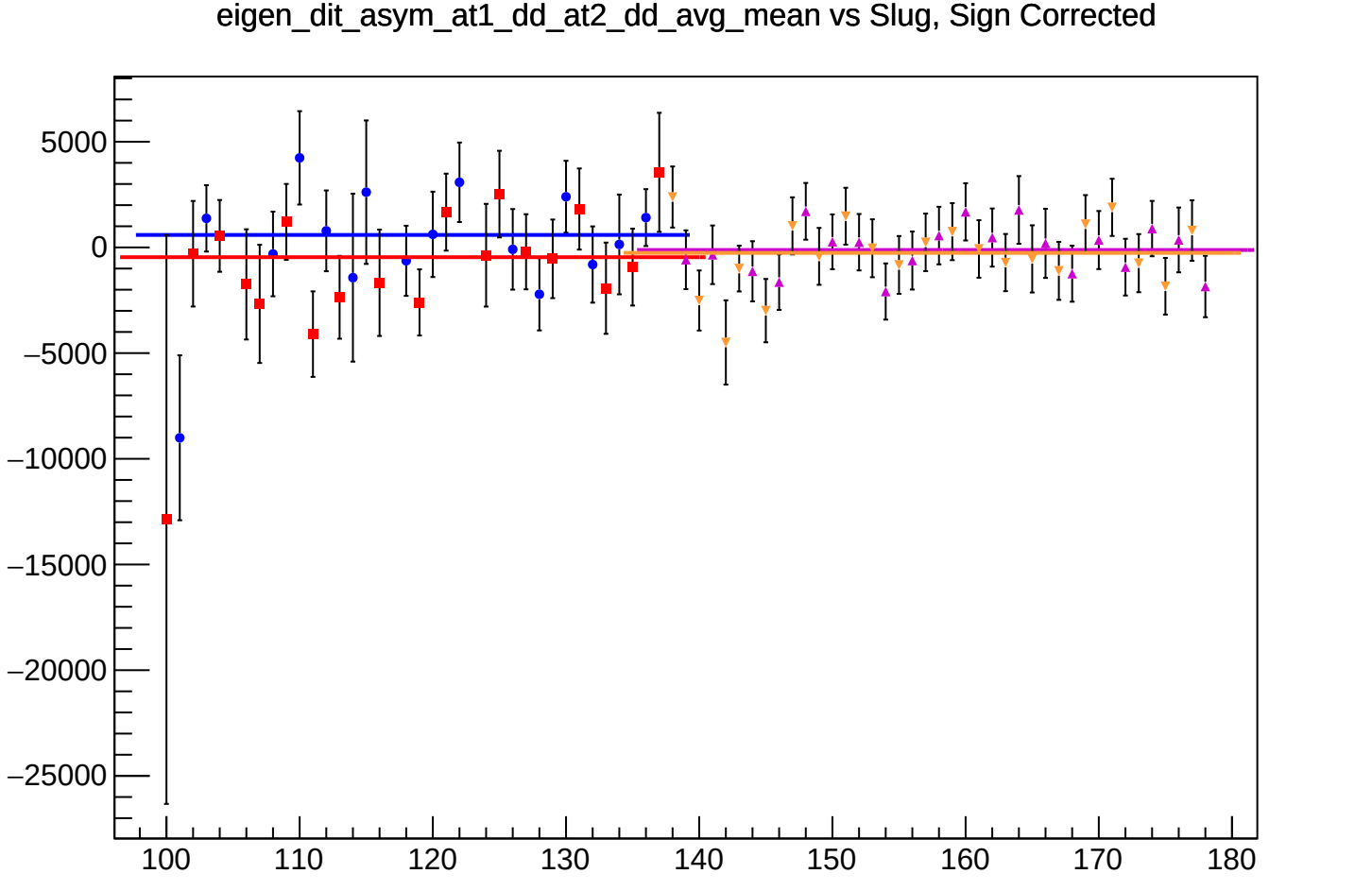
Left: 630.563+/-0.079 χ^2/NDF: 1752603.0/40

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 684.254+/-0.104 χ^2/NDF:3686018.4/35

Out: 689.408+/-0.106 χ^2/NDF:5346810.3/39

All: 686.794+/-0.074 χ^2/NDF: 9034037.9/75



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: -121.737+/-309.641 χ^2/NDF:13.3/19

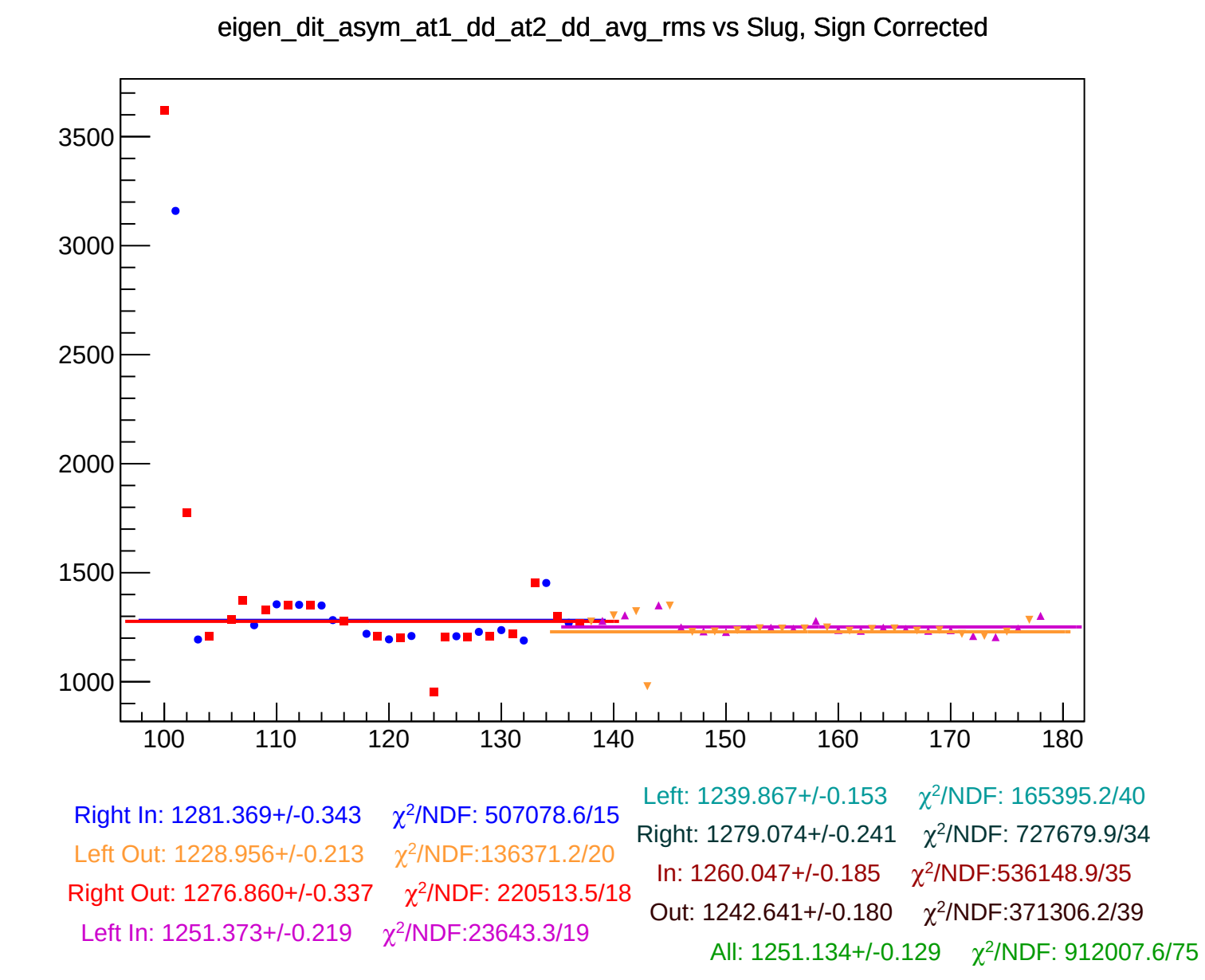
Left: -192.103+/-216.023 χ^2/NDF: 37.1/40

Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

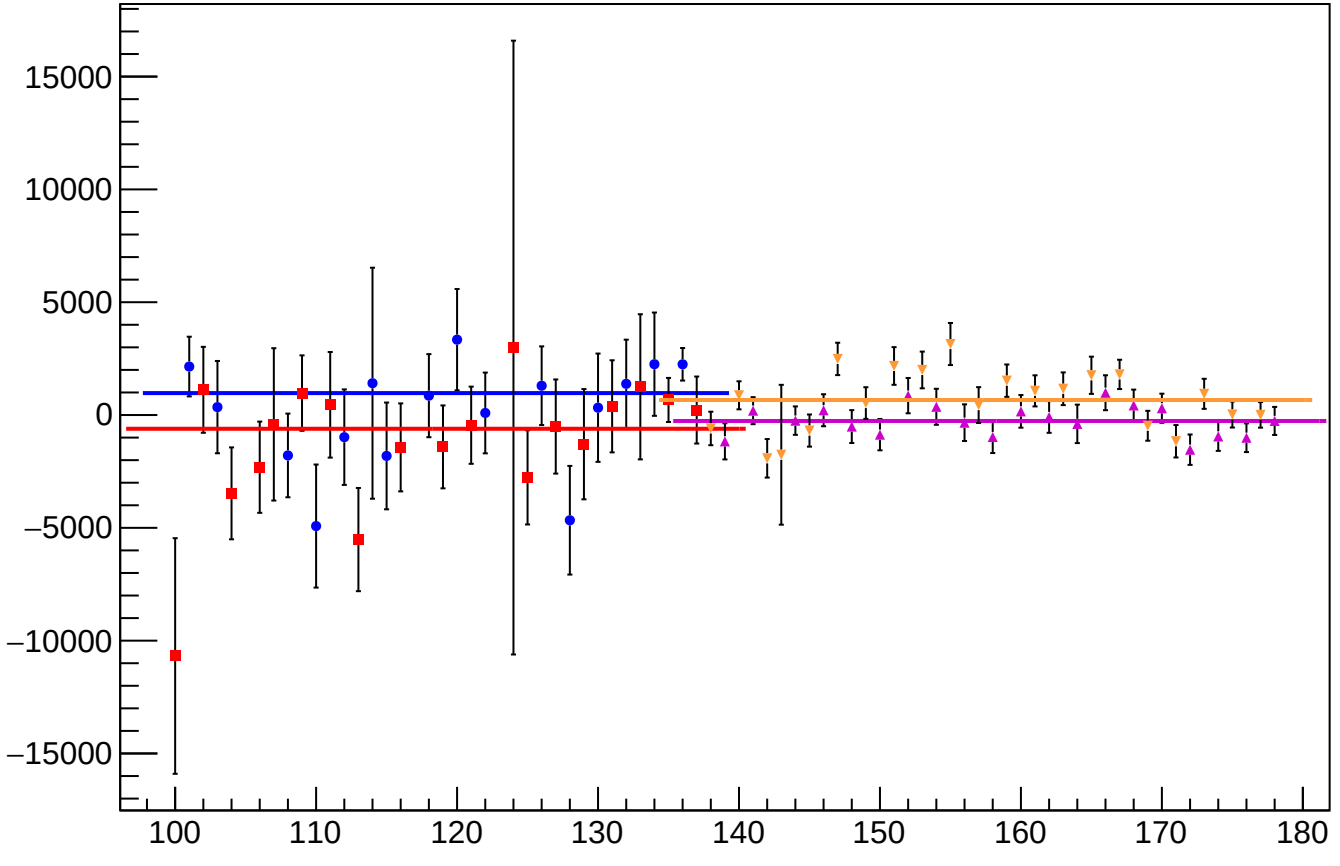
In: 84.163+/-261.062 χ^2/NDF:31.9/35

Out: -317.044+/-254.843 χ^2/NDF:40.6/39

All: -121.277+/-182.360 χ^2/NDF: 73.7/75


eigen_dit_asym_at1_dd_at2_dd_avg_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
170
180
Right In: 1281.369+/-0.343 χ²/NDF: 507078.6/15
Left Out: 1228.956+/-0.213 χ²/NDF:136371.2/20
Right Out: 1276.860+/-0.337 χ²/NDF: 220513.5/18
Left In: 1251.373+/-0.219 χ²/NDF:23643.3/19
Left: 1239.867+/-0.153 χ²/NDF: 165395.2/40
Right: 1279.074+/-0.241 χ²/NDF: 727679.9/34
In: 1260.047+/-0.185 χ²/NDF:536148.9/35
Out: 1242.641+/-0.180 χ²/NDF:371306.2/39
All: 1251.134+/-0.129 χ²/NDF: 912007.6/75

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: -263.516+/-156.871 χ^2/NDF:17.7/19

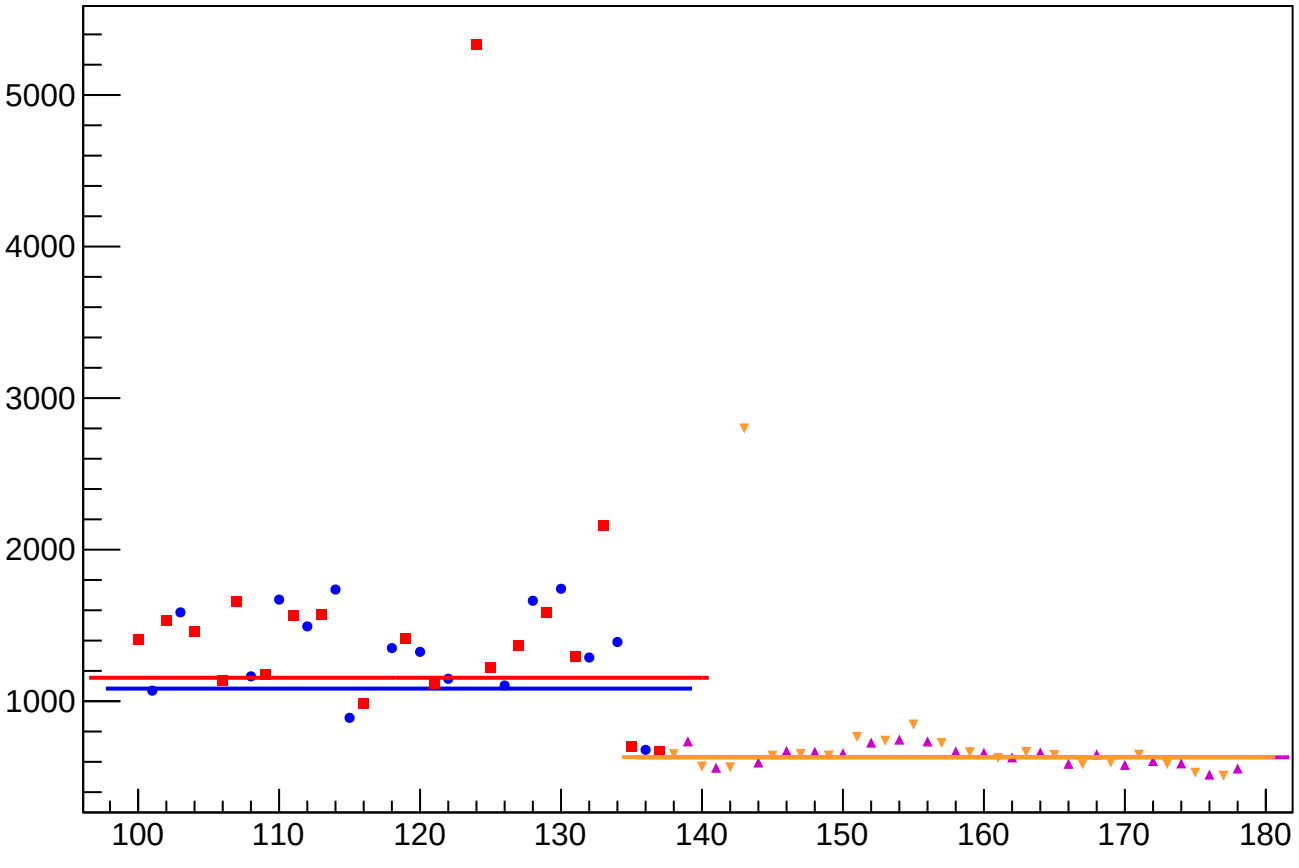
Left: 196.722+/-111.447 χ^2/NDF: 90.3/40

Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: -115.473+/-147.175 χ^2/NDF:45.6/35

Out: 524.058+/-149.295 χ^2/NDF:79.6/39

All: 199.719+/-104.810 χ^2/NDF: 134.5/75



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: 629.938+/-0.111 χ^2/NDF:324421.7/19

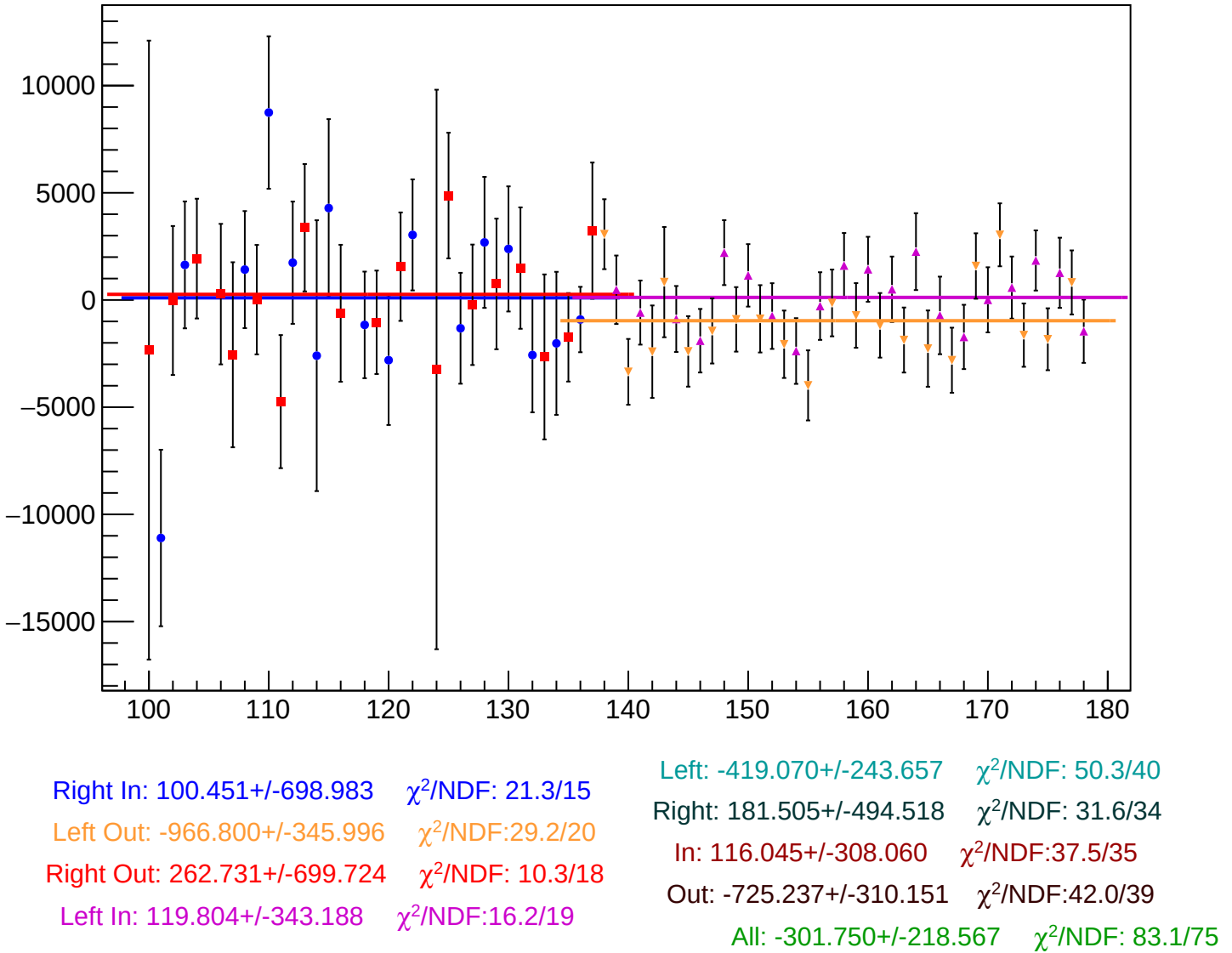
Left: 630.563+/-0.079 χ^2/NDF: 1752604.5/40

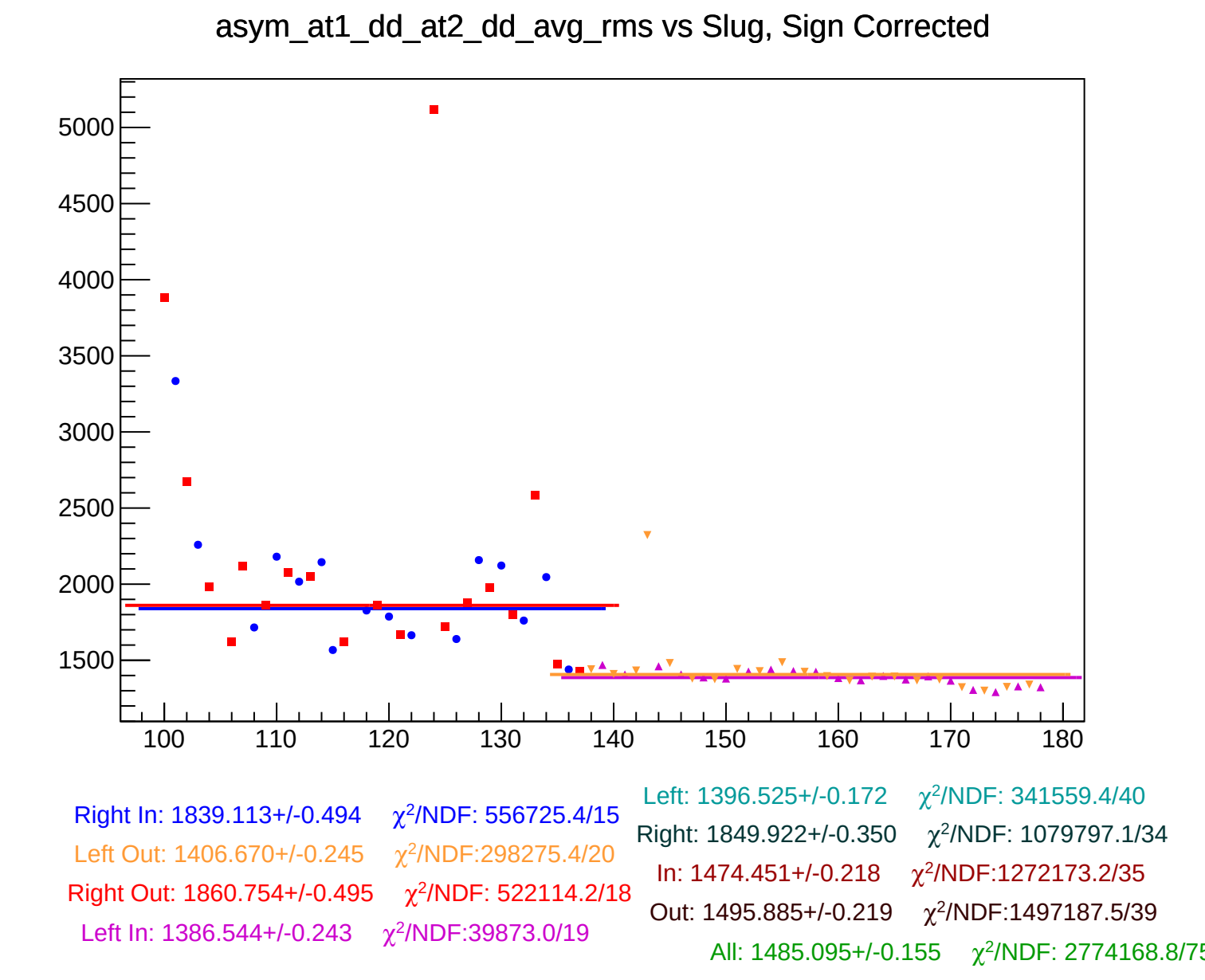
Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

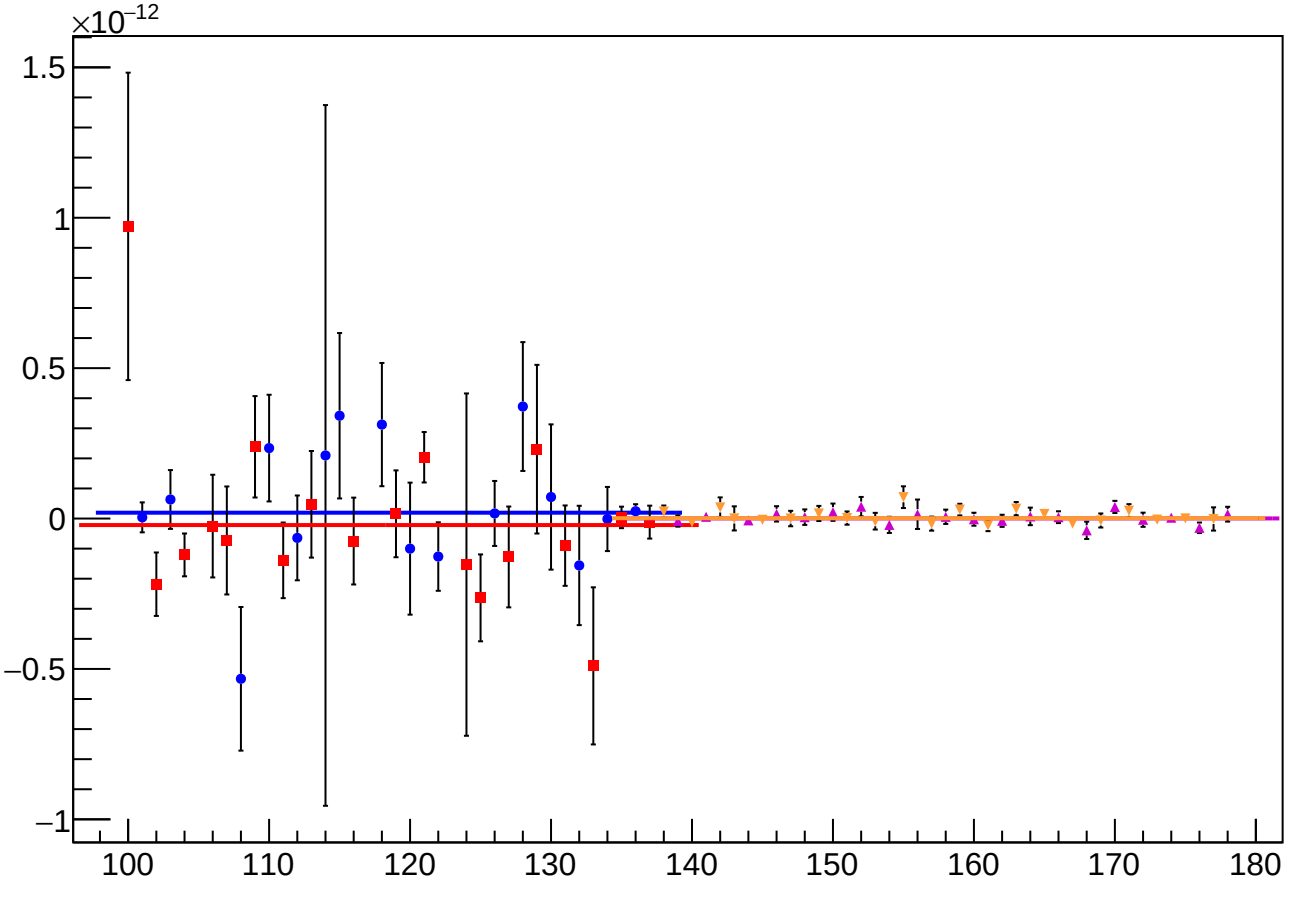
In: 684.253+/-0.104 χ^2/NDF:3686016.3/35

Out: 689.409+/-0.106 χ^2/NDF:5346803.3/39

All: 686.794+/-0.074 χ^2/NDF: 9034029.1/75


asym_at1_dd_at2_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: 100.451+/-698.983 χ²/NDF: 21.3/15
Left Out: -966.800+/-345.996 χ²/NDF:29.2/20
Right Out: 262.731+/-699.724 χ²/NDF: 10.3/18
Left In: 119.804+/-343.188 χ²/NDF:16.2/19
Left: -419.070+/-243.657 χ²/NDF: 50.3/40
Right: 181.505+/-494.518 χ²/NDF: 31.6/34
In: 116.045+/-308.060 χ²/NDF:37.5/35
Out: -725.237+/-310.151 χ²/NDF:42.0/39
All: -301.750+/-218.567 χ²/NDF: 83.1/75


asym_at1_dd_at2_dd_avg_rms vs Slug, Sign Corrected
5000
4500
4000
3500
3000
2500
2000
1500
100
110
120
130
140
150
160
170
180
Right In: 1839.113+/-0.494 χ²/NDF: 556725.4/15
Left Out: 1406.670+/-0.245 χ²/NDF:298275.4/20
Right Out: 1860.754+/-0.495 χ²/NDF: 522114.2/18
Left In: 1386.544+/-0.243 χ²/NDF:39873.0/19
Left: 1396.525+/-0.172 χ²/NDF: 341559.4/40
Right: 1849.922+/-0.350 χ²/NDF: 1079797.1/34
In: 1474.451+/-0.218 χ²/NDF:1272173.2/35
Out: 1495.885+/-0.219 χ²/NDF:1497187.5/39
All: 1485.095+/-0.155 χ²/NDF: 2774168.8/75



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:13.0/19

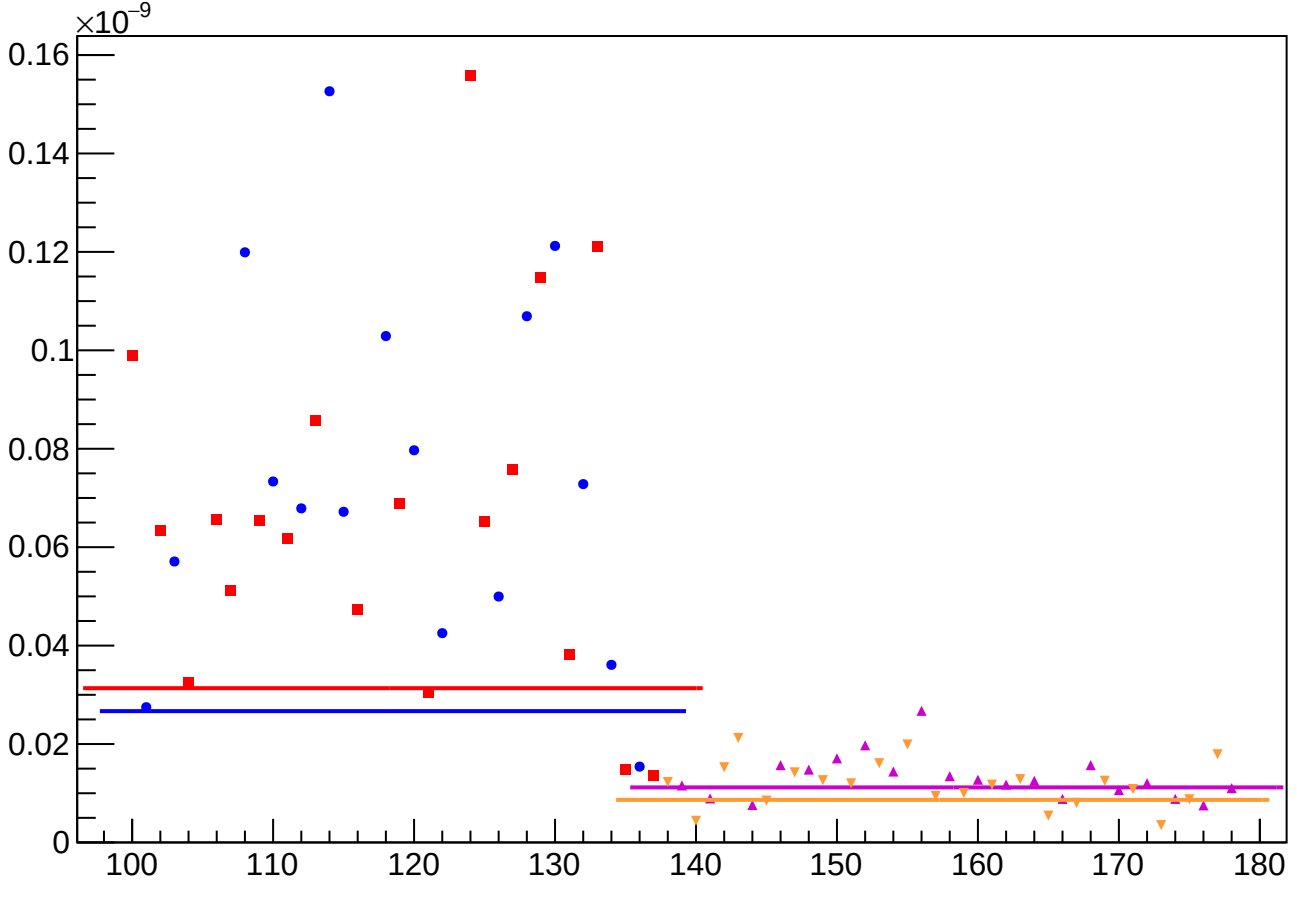
Left: 0.000+/-0.000 χ^2/NDF: 31.7/40

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:30.4/35

Out: 0.000+/-0.000 χ^2/NDF:47.9/39

All: 0.000+/-0.000 χ^2/NDF: 78.4/75



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:988305.0/19

Left: 0.000+/-0.000 χ^2/NDF: 3430414.7/40

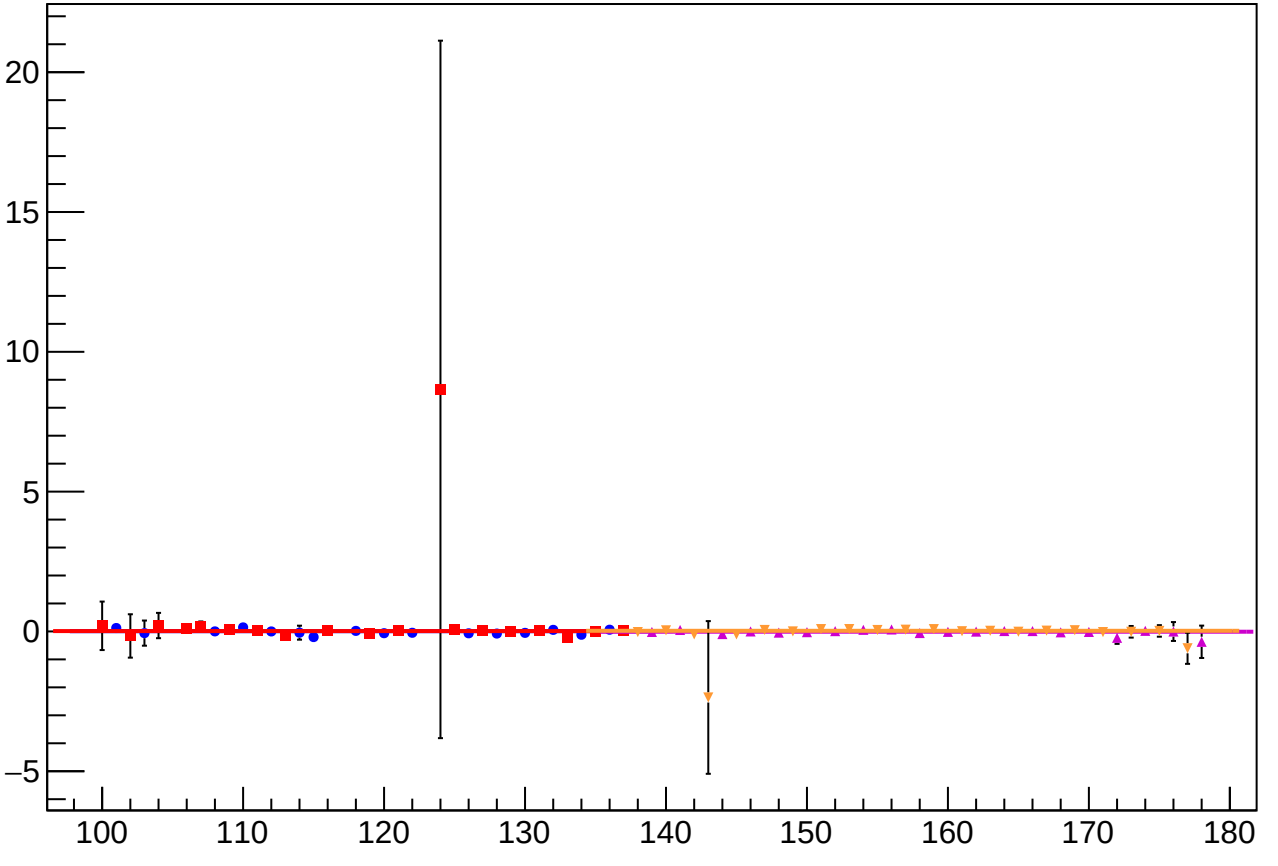
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4844632.9/35

Out: 0.000+/-0.000 χ^2/NDF:6395803.7/39

All: 0.000+/-0.000 χ^2/NDF: 11649699.2/75

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:12.3/19

Left: 0.006+/-0.007 χ^2/NDF: 37.0/40

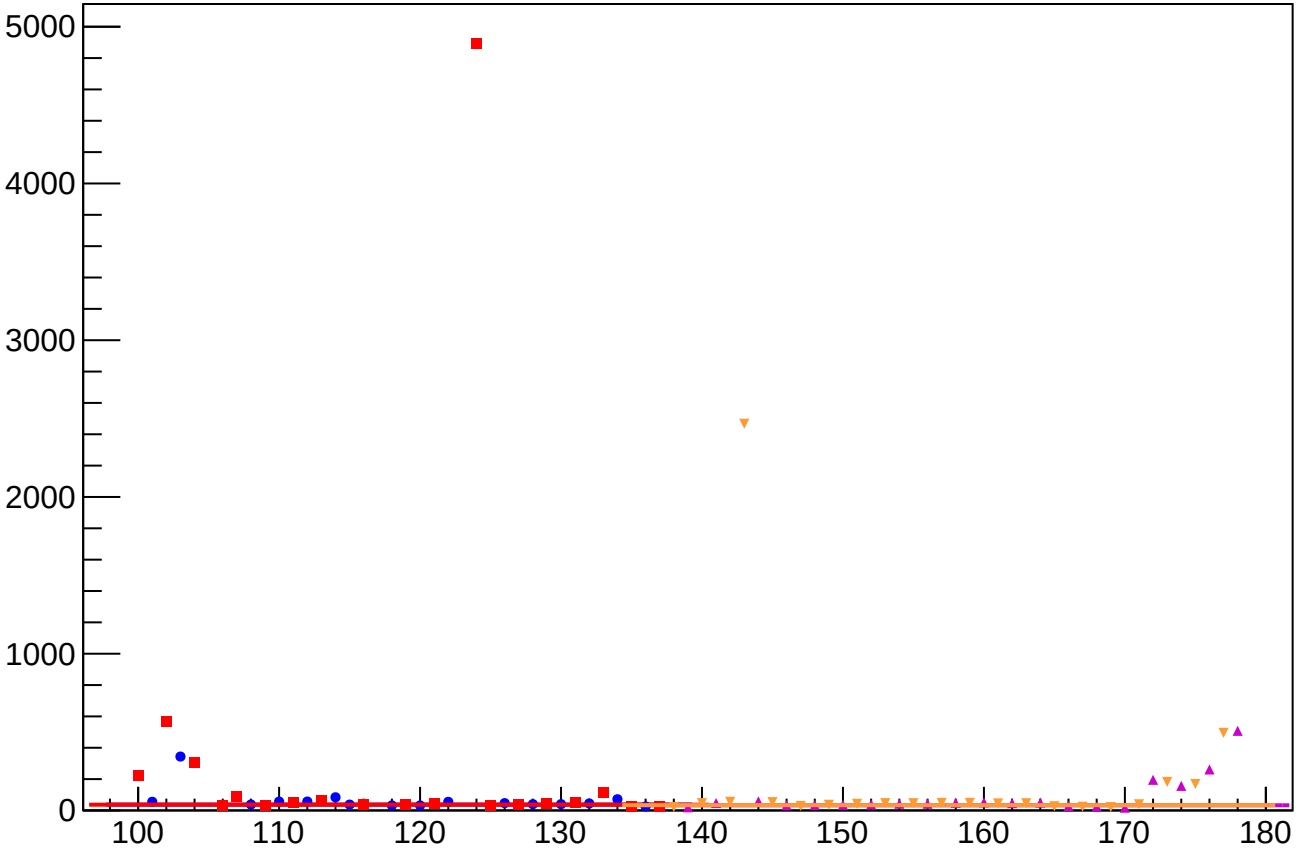
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.5/35

Out: 0.020+/-0.009 χ^2/NDF:32.2/39

All: 0.007+/-0.006 χ^2/NDF: 69.0/75

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: 32.959+/-0.007 χ^2/NDF:7081789.7/19

Left: 33.379+/-0.005 χ^2/NDF: 14309475.7/40

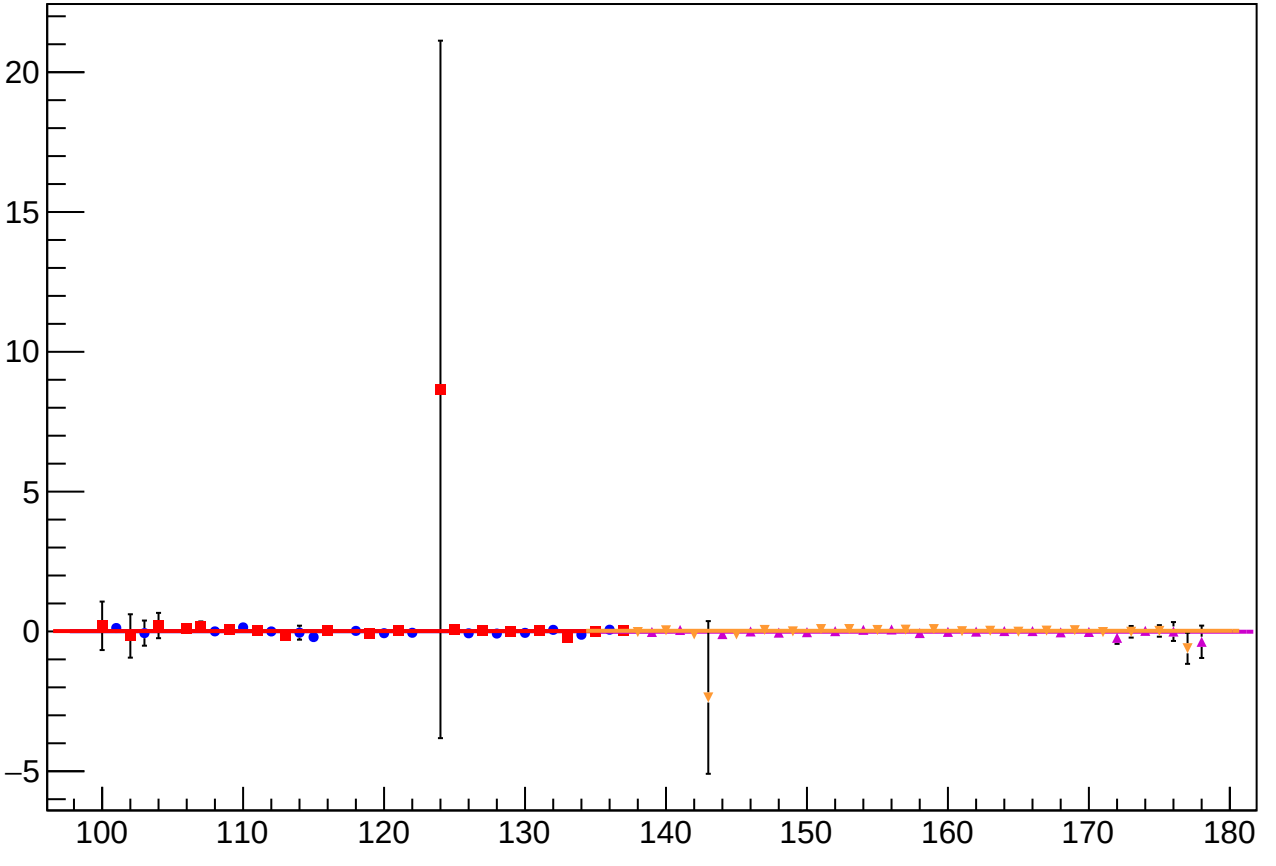
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.215+/-0.006 χ^2/NDF:9180122.5/35

Out: 34.630+/-0.006 χ^2/NDF:10456656.0/39

All: 34.417+/-0.004 χ^2/NDF: 19639111.6/75

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:12.3/19

Left: 0.006+/-0.007 χ^2/NDF: 37.0/40

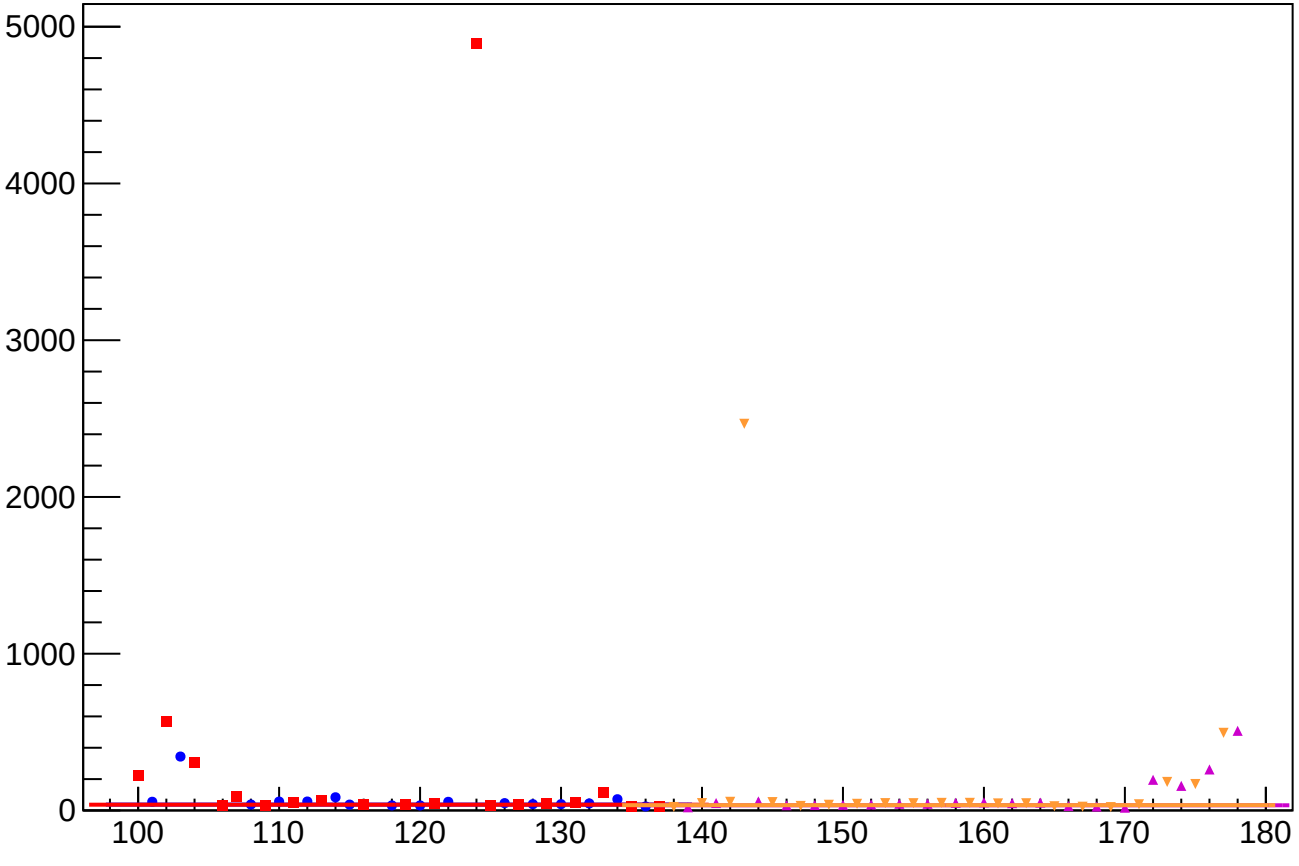
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.5/35

Out: 0.020+/-0.009 χ^2/NDF:32.2/39

All: 0.007+/-0.006 χ^2/NDF: 69.0/75

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: 32.959+/-0.007 χ^2/NDF:7081789.7/19

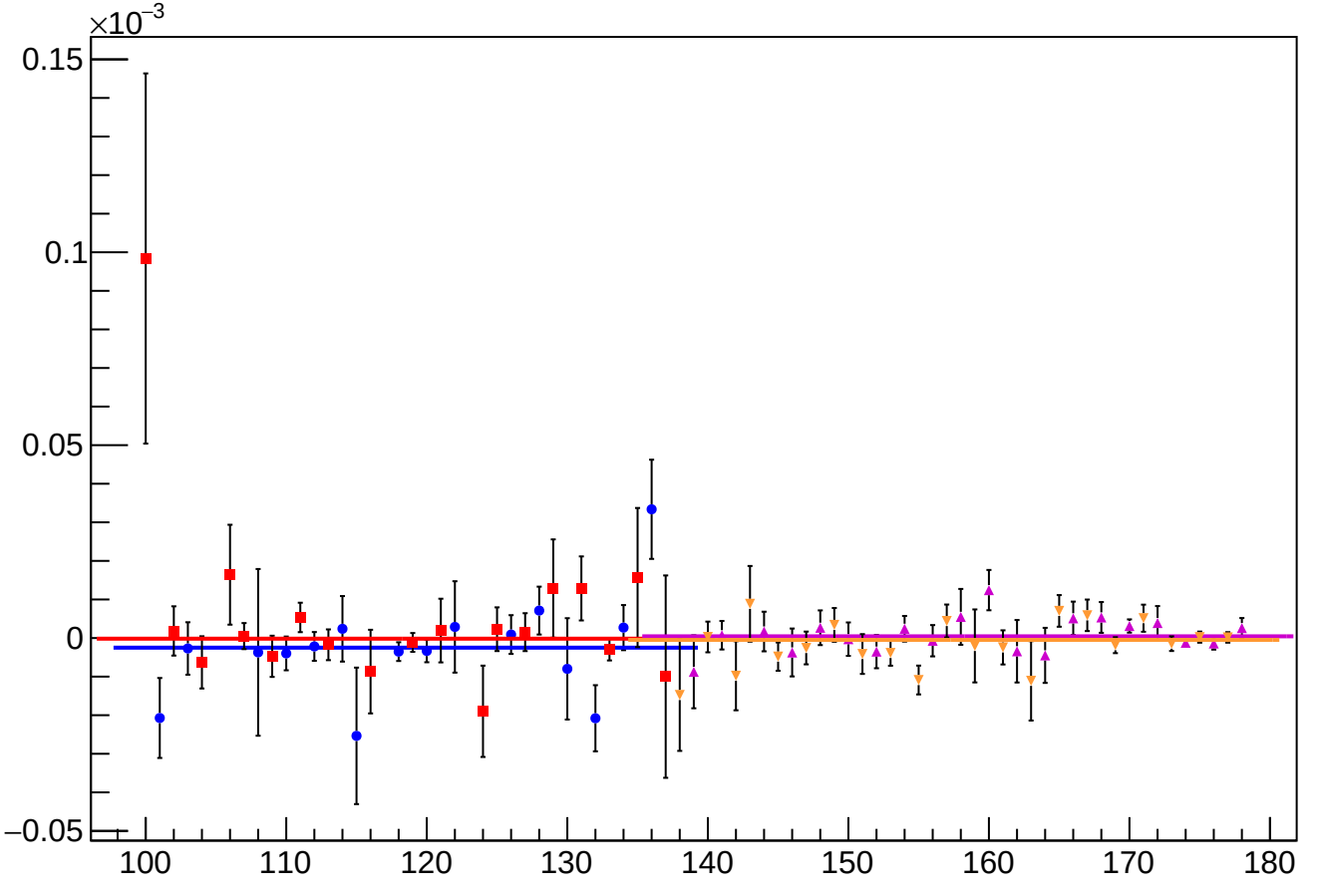
Left: 33.379+/-0.005 χ^2/NDF: 14309475.7/40

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 34.215+/-0.006 χ^2/NDF:9180122.5/35

Out: 34.630+/-0.006 χ^2/NDF:10456656.0/39

All: 34.417+/-0.004 χ^2/NDF: 19639111.6/75



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:19.6/19

Left: -0.000+/-0.000 χ^2/NDF: 47.5/40

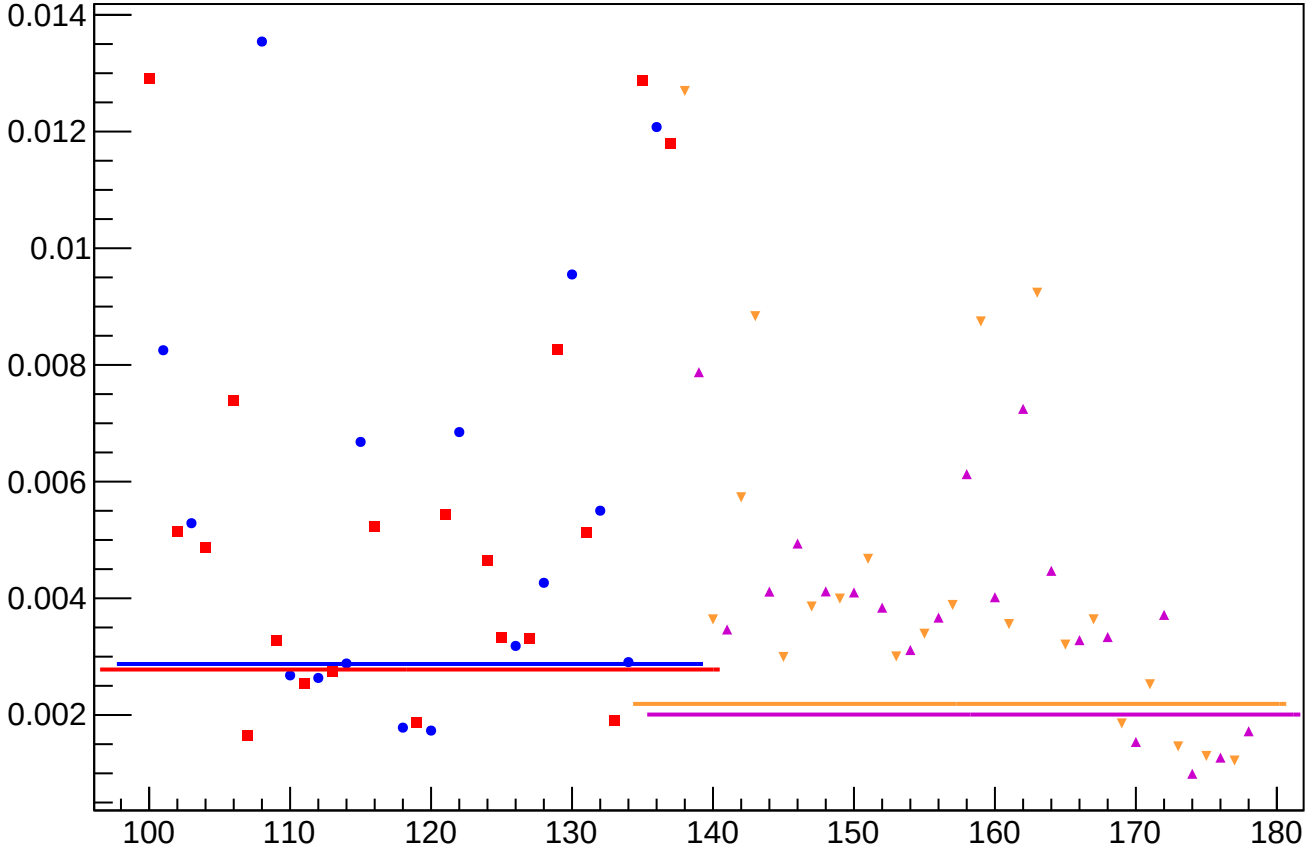
Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:45.5/35

Out: -0.000+/-0.000 χ^2/NDF:45.8/39

All: -0.000+/-0.000 χ^2/NDF: 91.4/75

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:8778357.6/19

Left: 0.002+/-0.000 χ^2/NDF: 17868095.6/40

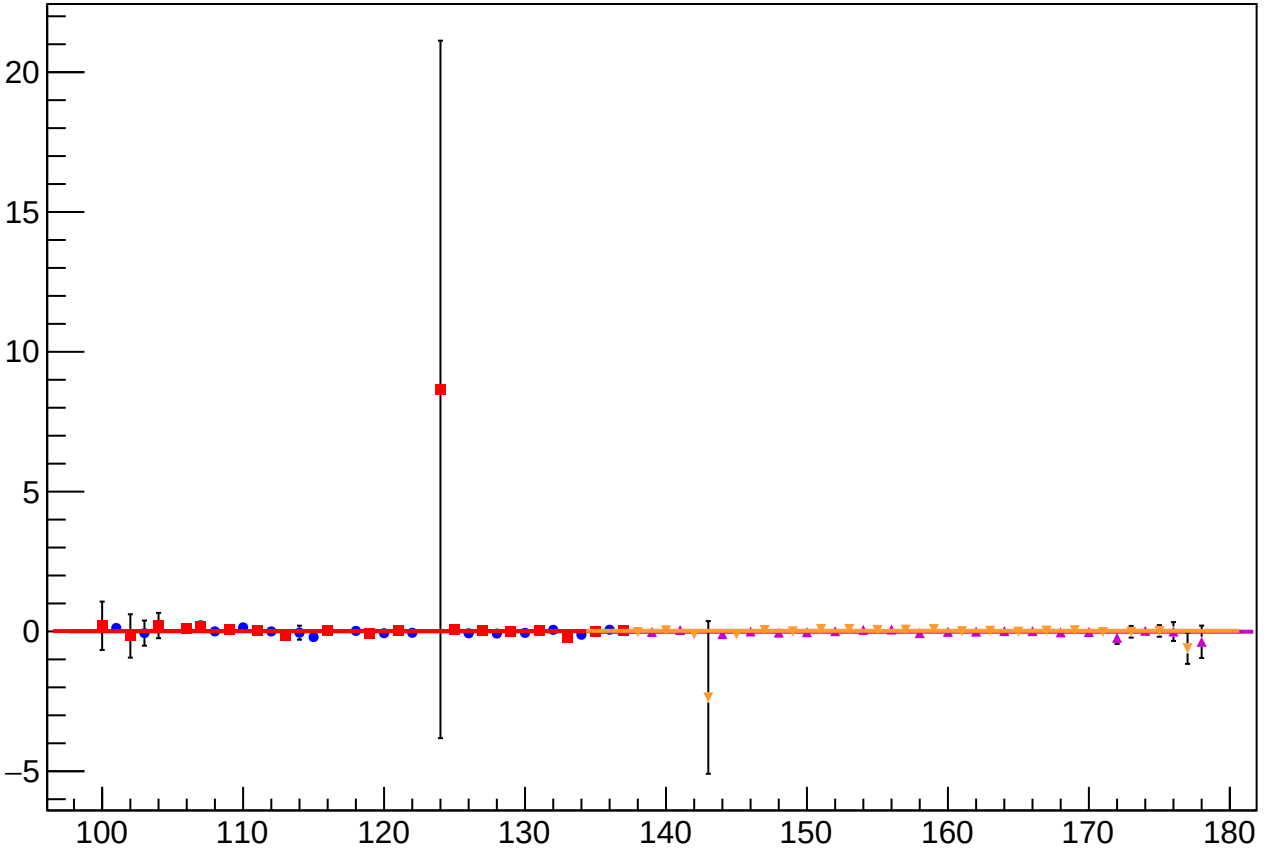
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.002+/-0.000 χ^2/NDF:13642992.2/35

Out: 0.002+/-0.000 χ^2/NDF:12705423.3/39

All: 0.002+/-0.000 χ^2/NDF: 26422166.7/75

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:12.3/19

Left: 0.006+/-0.007 χ^2/NDF: 37.0/40

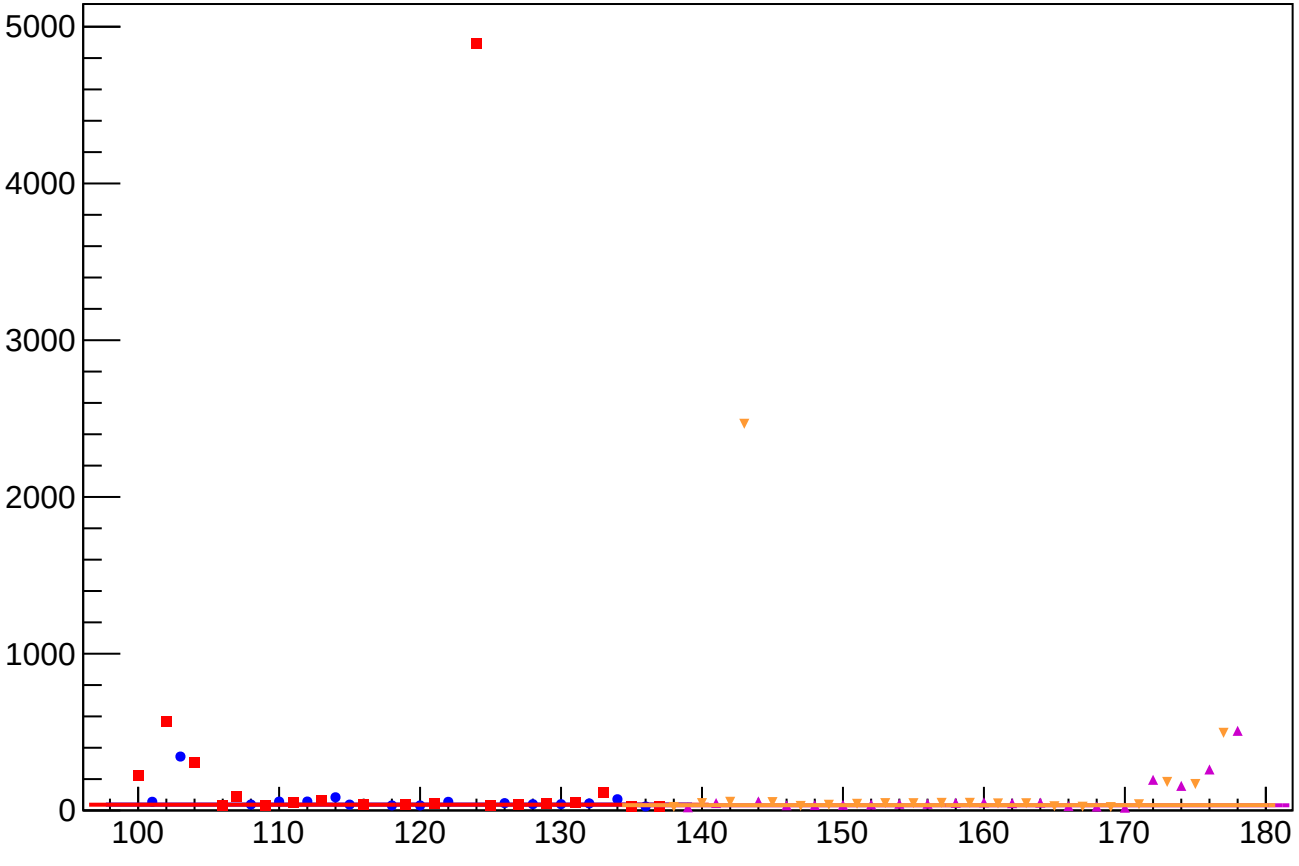
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.5/35

Out: 0.020+/-0.009 χ^2/NDF:32.2/39

All: 0.007+/-0.006 χ^2/NDF: 69.0/75

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: 32.961+/-0.007 χ^2/NDF:7080579.3/19

Left: 33.379+/-0.005 χ^2/NDF: 14308299.7/40

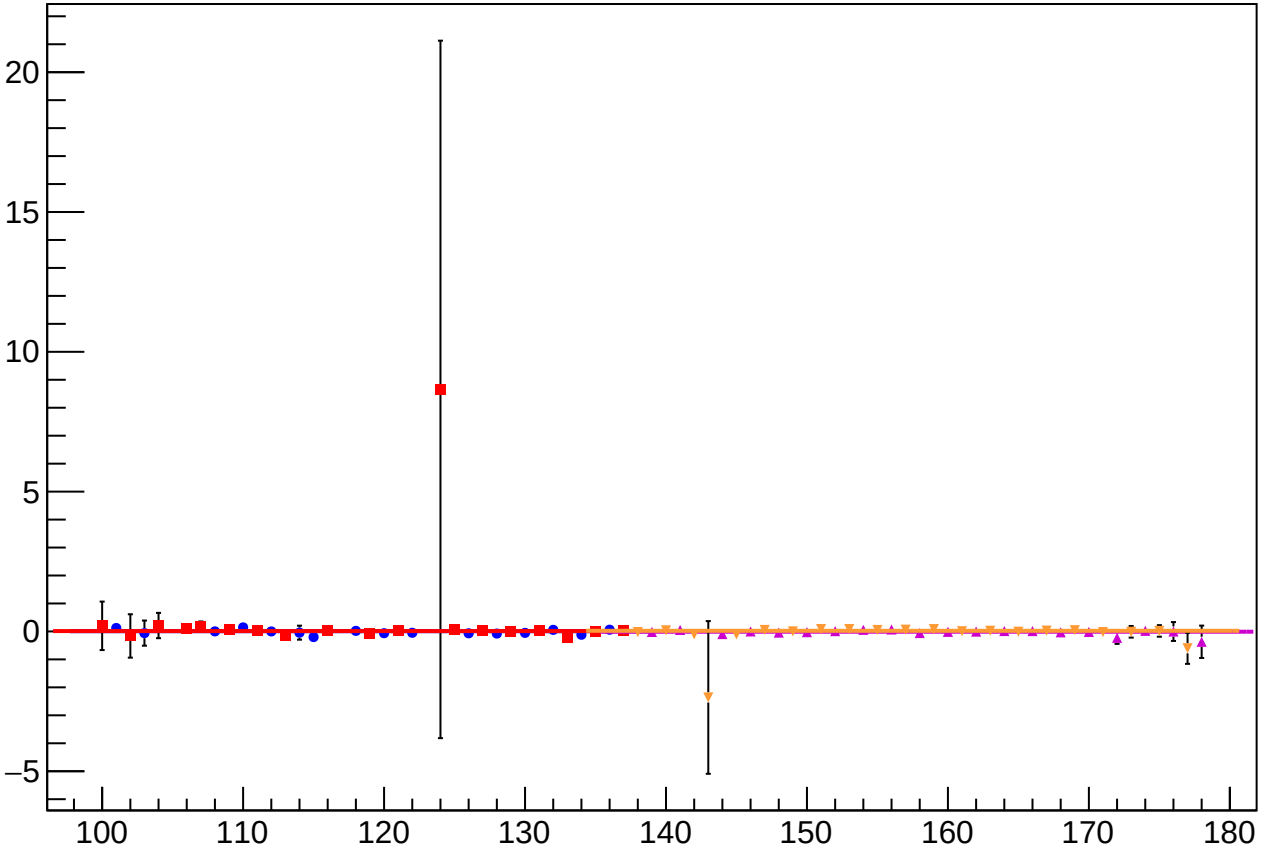
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.217+/-0.006 χ^2/NDF:9178752.6/35

Out: 34.630+/-0.006 χ^2/NDF:10456525.3/39

All: 34.418+/-0.004 χ^2/NDF: 19637587.4/75

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:12.3/19

Left: 0.006+/-0.007 χ^2/NDF: 37.0/40

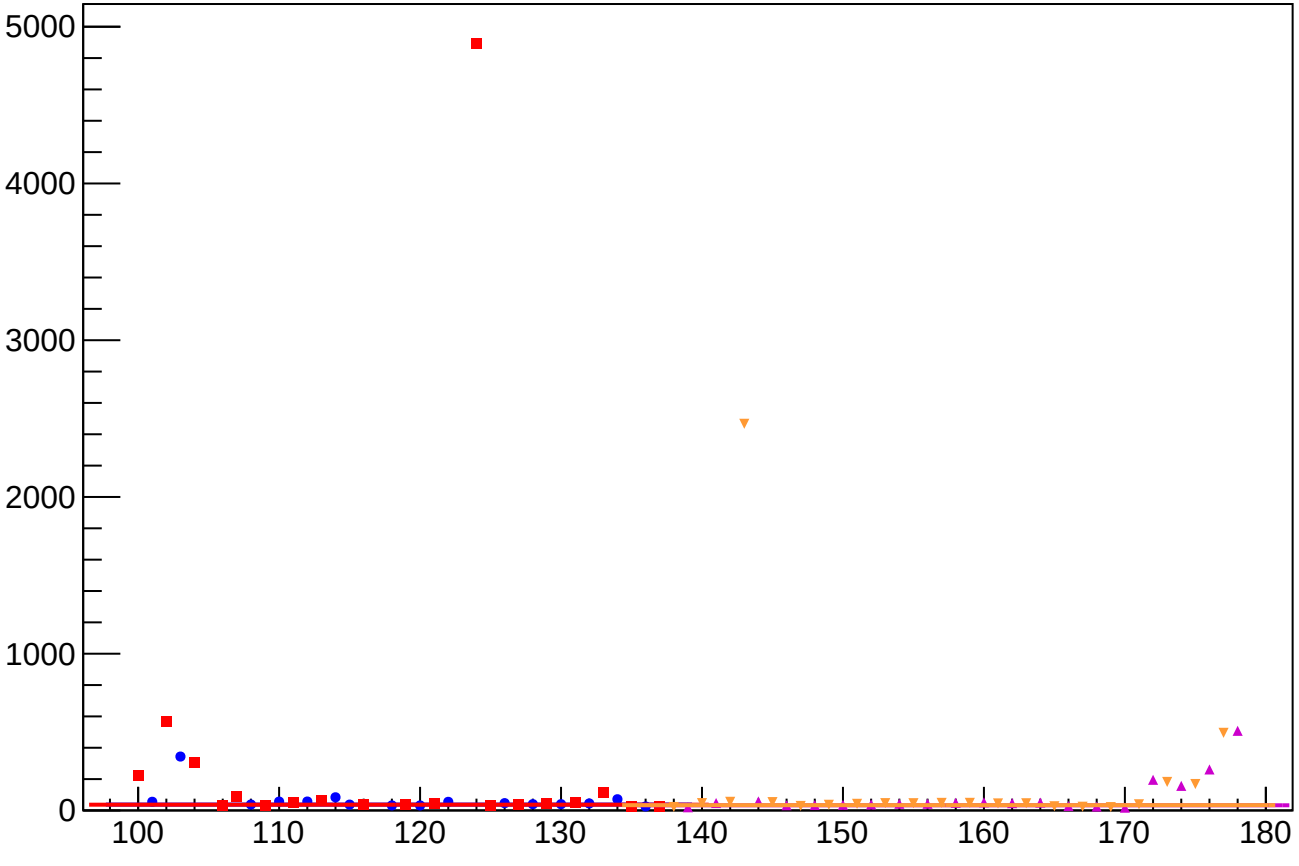
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.5/35

Out: 0.020+/-0.009 χ^2/NDF:32.2/39

All: 0.007+/-0.006 χ^2/NDF: 69.0/75

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: 32.961+/-0.007 χ^2/NDF:7080579.3/19

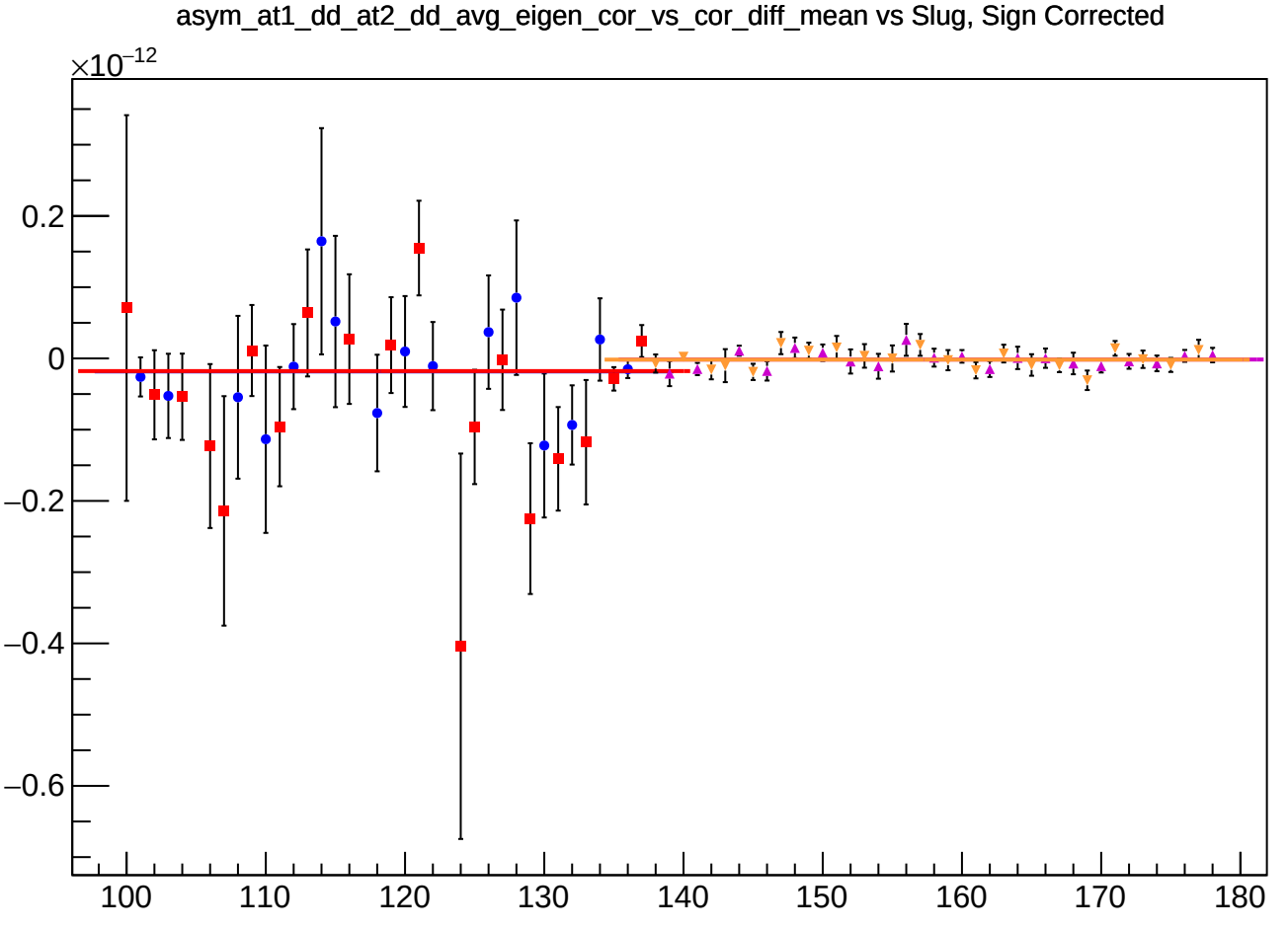
Left: 33.379+/-0.005 χ^2/NDF: 14308299.7/40

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 34.217+/-0.006 χ^2/NDF:9178752.6/35

Out: 34.630+/-0.006 χ^2/NDF:10456525.3/39

All: 34.418+/-0.004 χ^2/NDF: 19637587.4/75



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:15.9/19

Left: -0.000+/-0.000 χ^2/NDF: 37.8/40

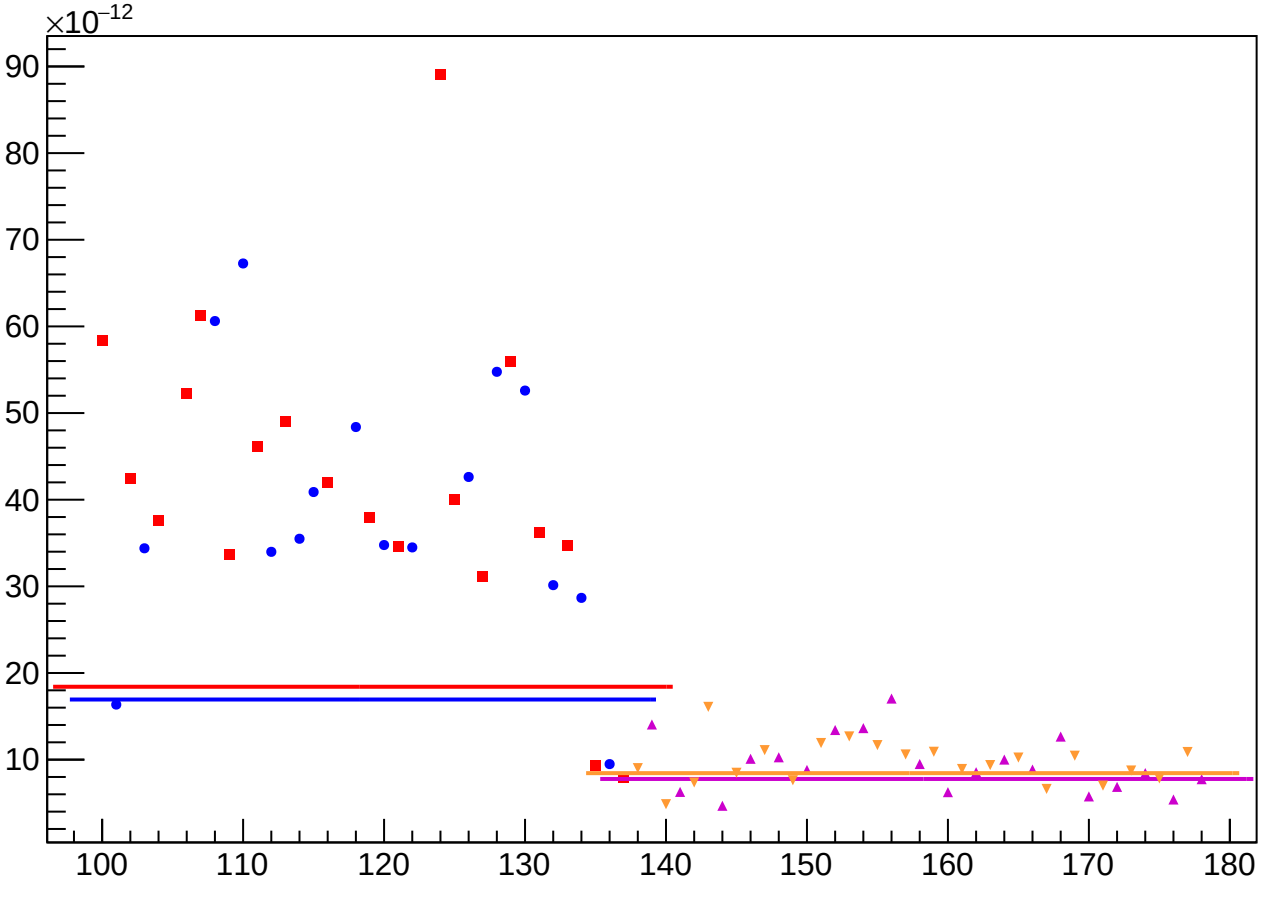
Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:26.9/35

Out: -0.000+/-0.000 χ^2/NDF:51.2/39

All: -0.000+/-0.000 χ^2/NDF: 78.1/75

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:2280617.5/19

Left: 0.000+/-0.000 χ^2/NDF: 3866808.2/40

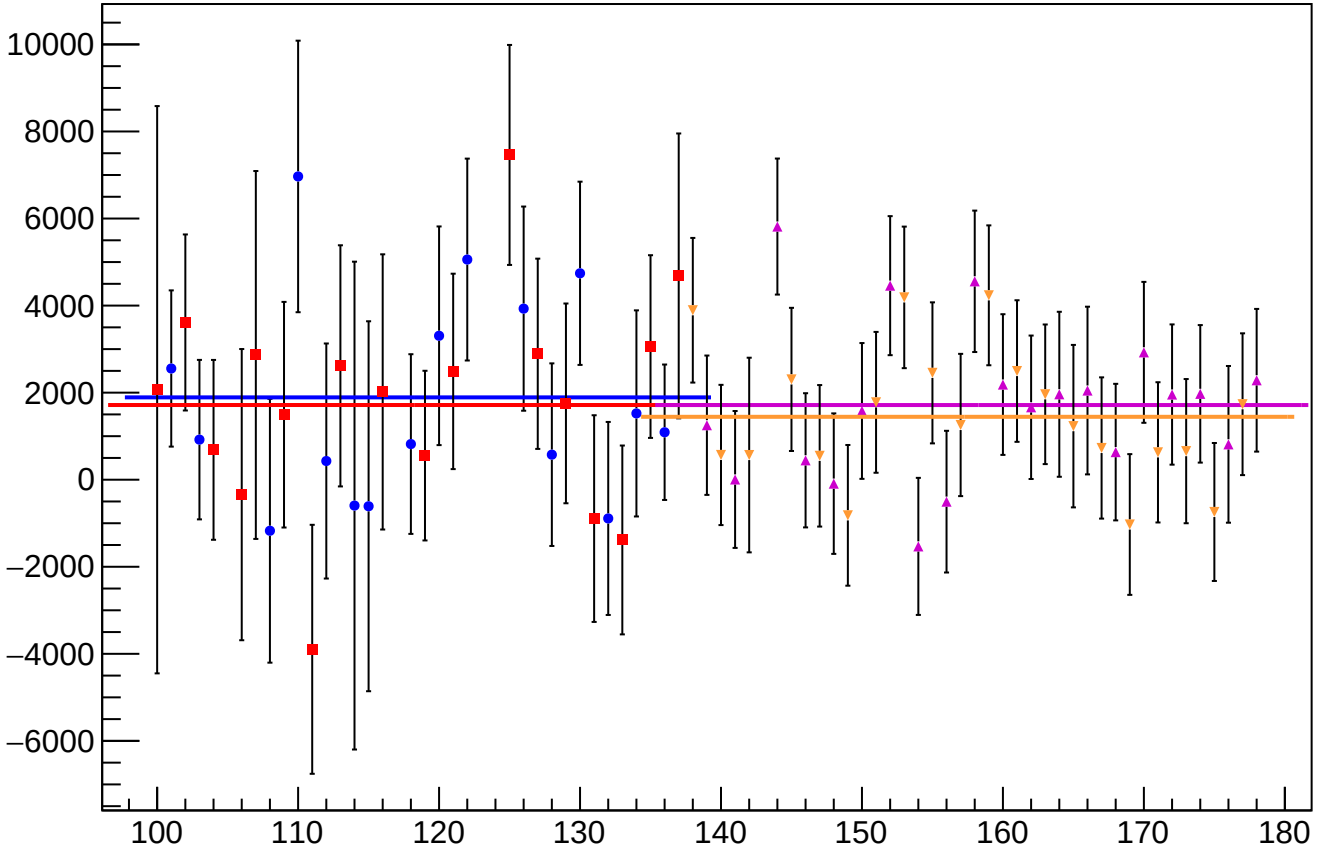
Right: 0.000+/-0.000 χ^2/NDF: 6902390.3/34

In: 0.000+/-0.000 χ^2/NDF:7095031.2/35

Out: 0.000+/-0.000 χ^2/NDF:6731817.2/39

All: 0.000+/-0.000 χ^2/NDF: 13896371.9/75

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: 1715.280+/-364.506 χ^2/NDF:23.8/19

Left: 1581.997+/-259.500 χ^2/NDF: 41.0/39

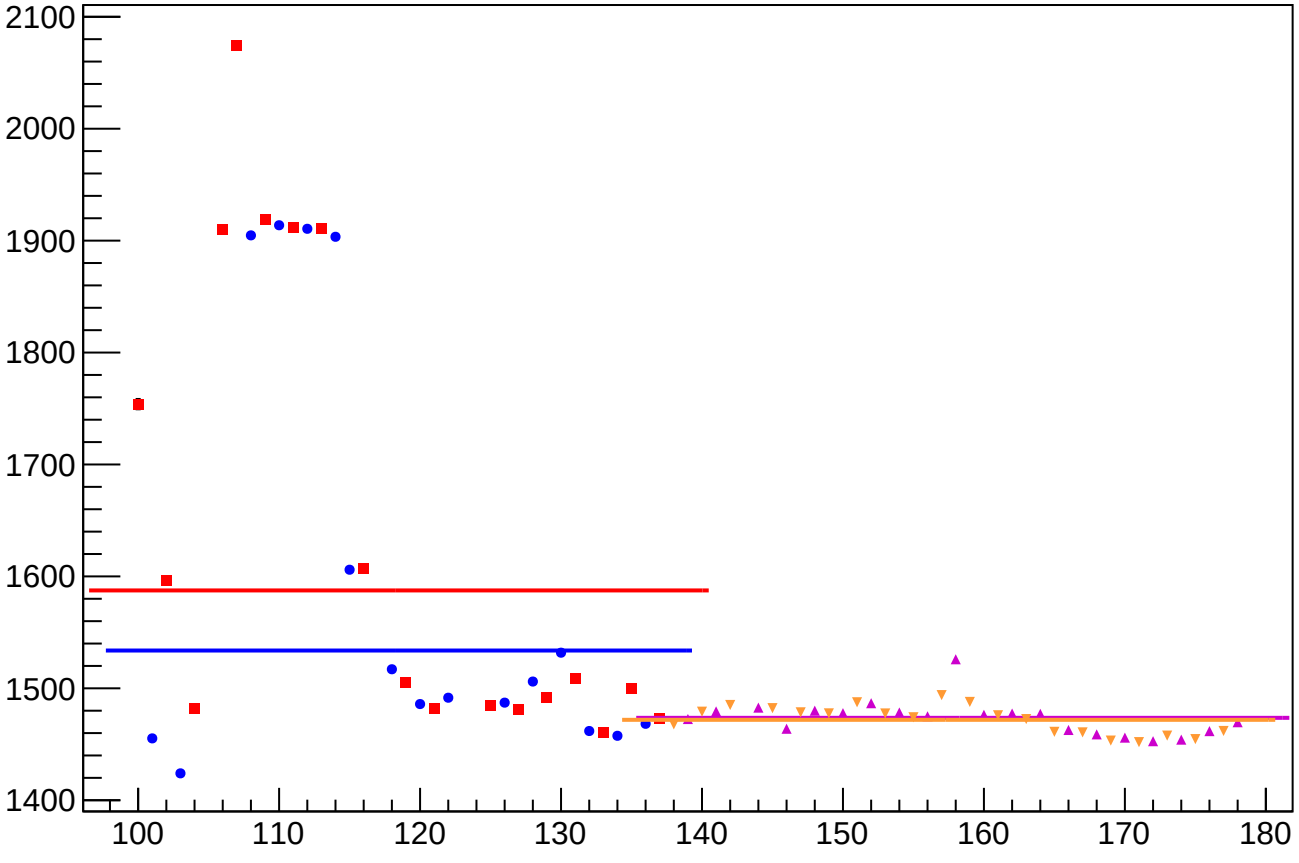
Right: 1806.293+/-410.609 χ^2/NDF: 28.2/33

In: 1766.130+/-307.435 χ^2/NDF:36.1/35

Out: 1521.432+/-313.097 χ^2/NDF:33.1/37

All: 1646.014+/-219.364 χ^2/NDF: 69.5/73

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: 1473.629+/-0.258 χ^2/NDF:3692.8/19

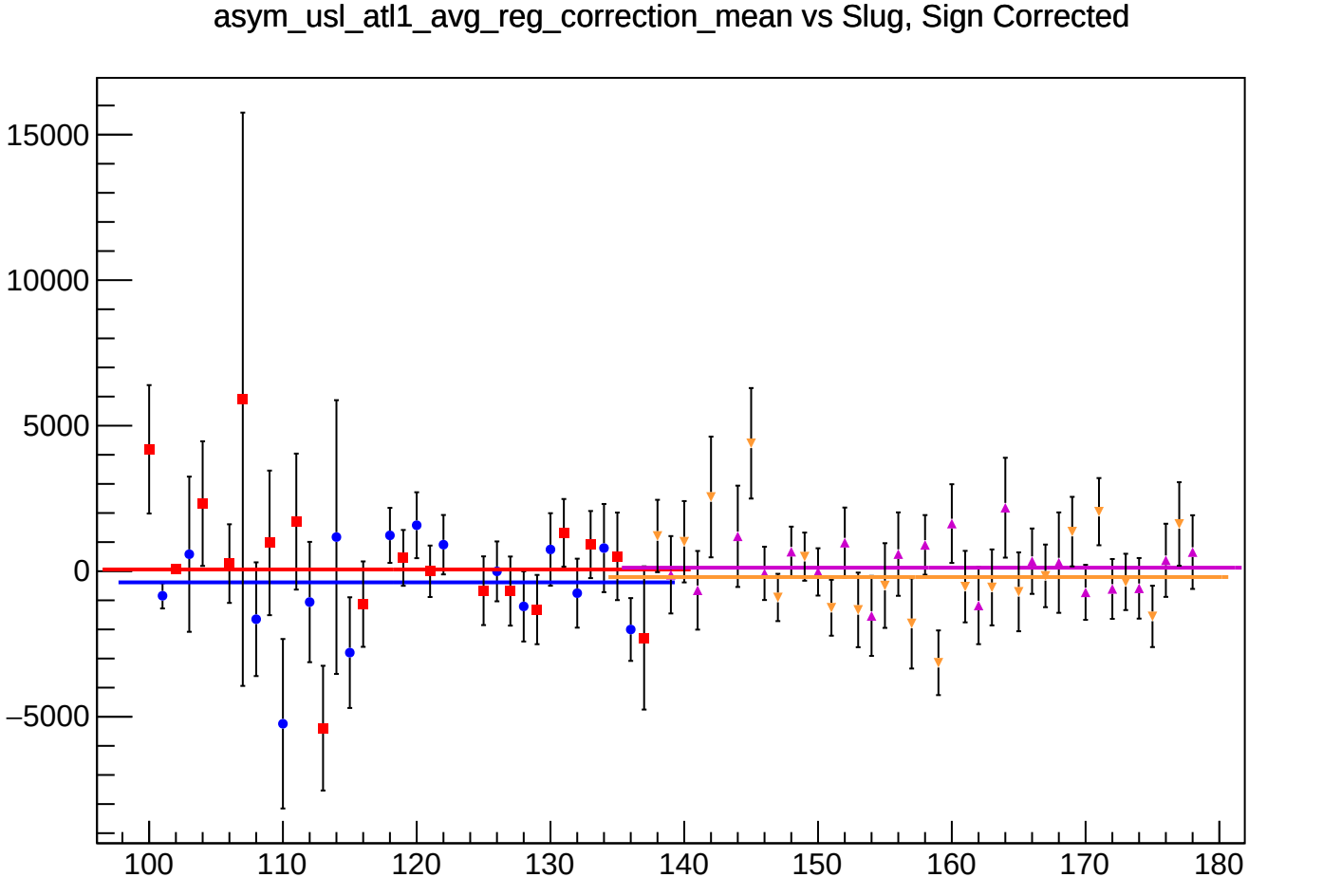
Left: 1472.749+/-0.183 χ^2/NDF: 5958.9/39

Right: 1559.818+/-0.290 χ^2/NDF: 309801.2/33

In: 1490.987+/-0.217 χ^2/NDF:148679.6/35

Out: 1504.457+/-0.221 χ^2/NDF:229458.2/37

All: 1497.599+/-0.155 χ^2/NDF: 380022.4/73



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: 120.853+/-258.319 χ^2/NDF:9.6/19

Left: -37.669+/-183.837 χ^2/NDF: 40.6/39

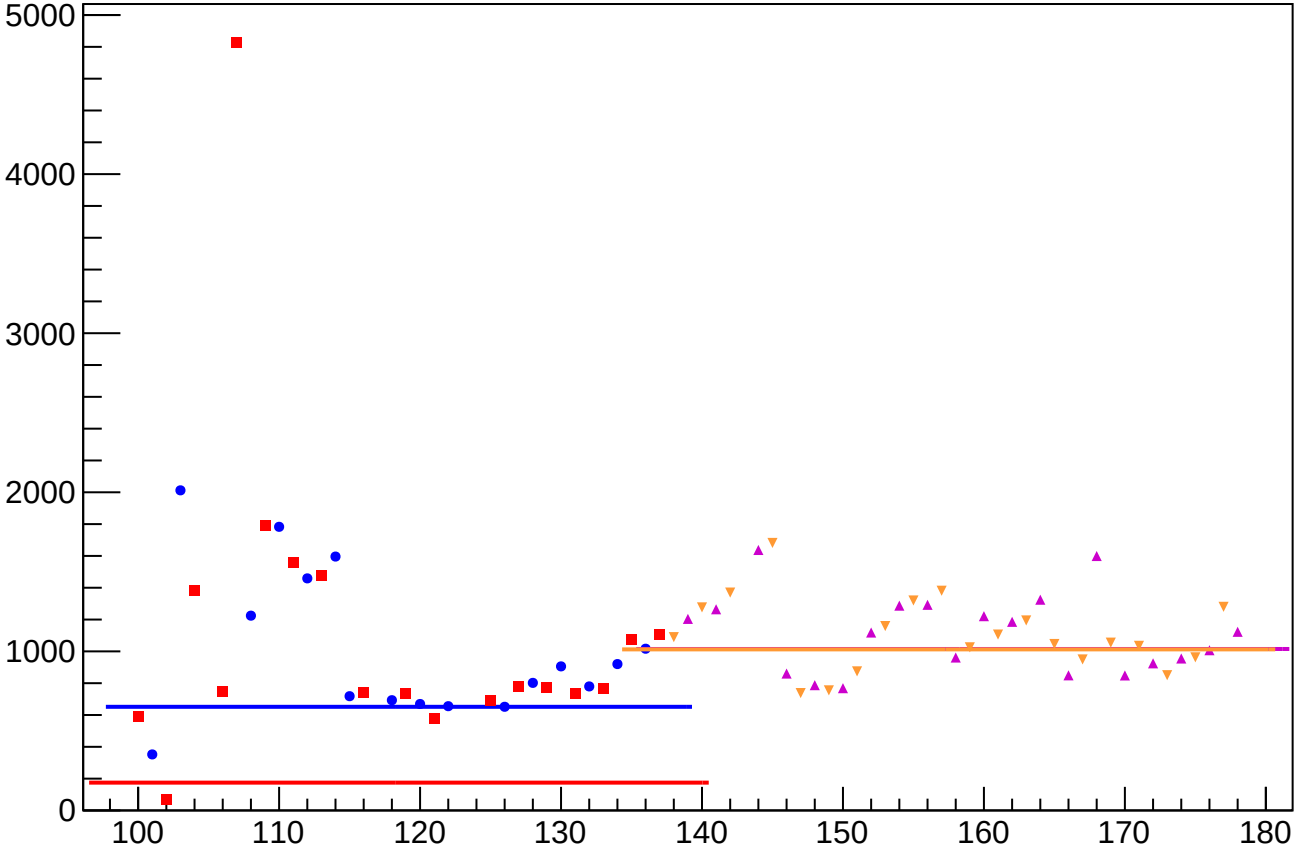
Right: -19.895+/-115.611 χ^2/NDF: 38.1/33

In: -117.790+/-187.377 χ^2/NDF:29.6/35

Out: 9.902+/-114.764 χ^2/NDF:48.9/37

All: -24.932+/-97.867 χ^2/NDF: 78.8/73

asym_usl_atl1_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 1012.516+/-0.185 χ^2/NDF:1271916.6/19

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

Left In: 1015.043+/-0.183 χ^2/NDF:1435387.6/19

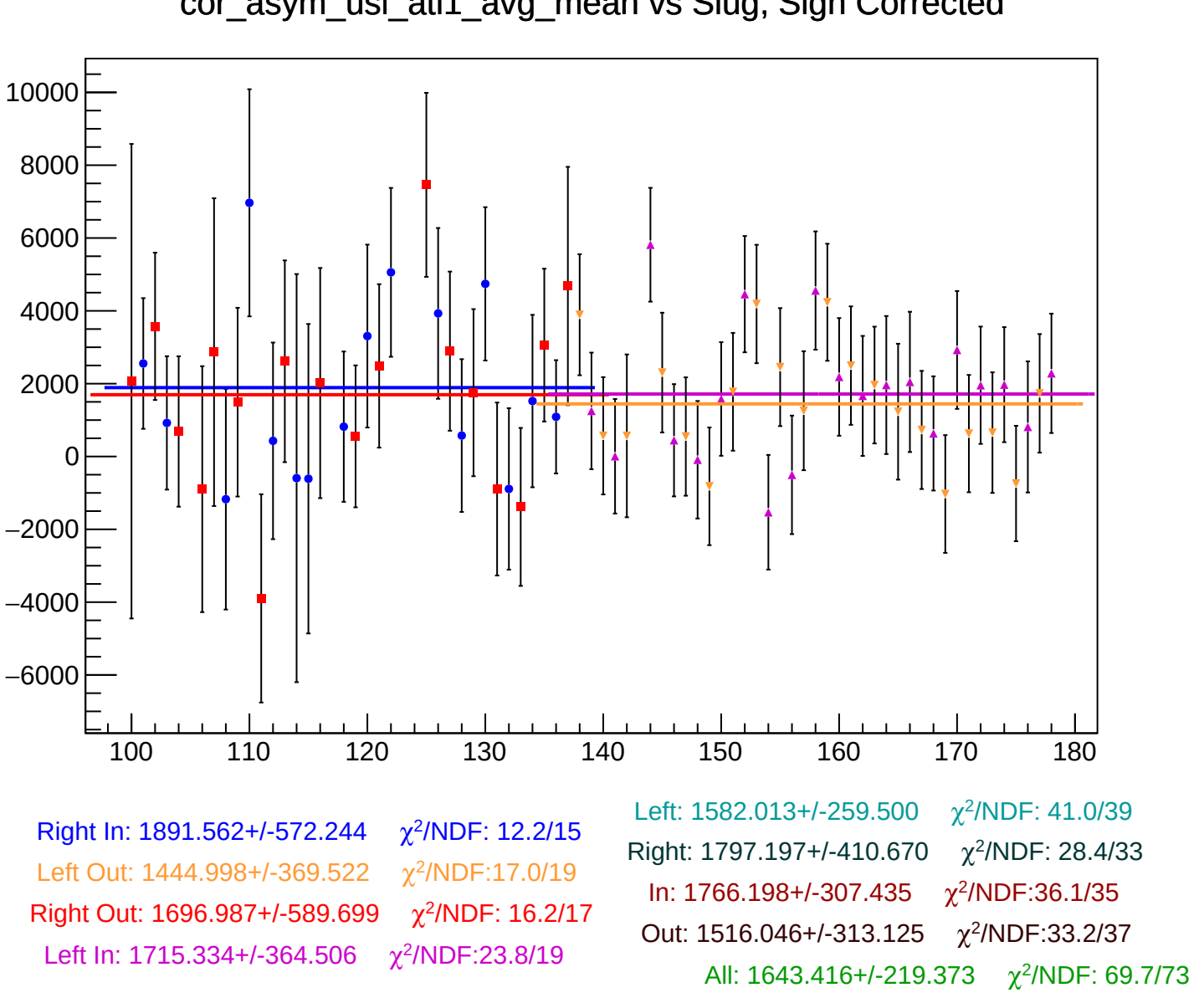
Left: 1013.796+/-0.130 χ^2/NDF: 2707398.7/39

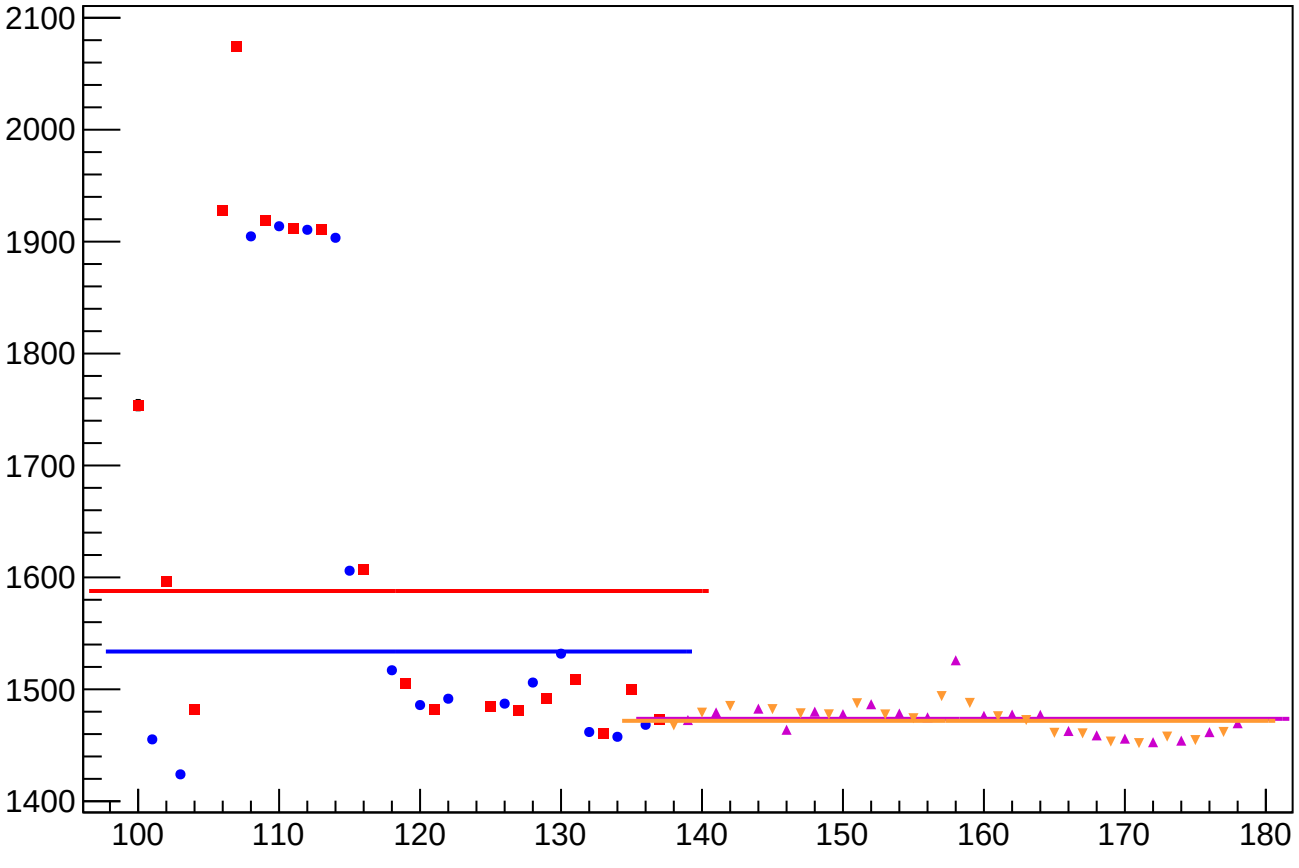
Right: 260.873+/-0.082 χ^2/NDF: 17549506.9/33

In: 842.794+/-0.132 χ^2/NDF:6074772.9/35

Out: 336.004+/-0.081 χ^2/NDF:27583280.5/37

All: 474.254+/-0.069 χ^2/NDF: 44297241.9/73


cor_asym_usl_atl1_avg_mean vs Slug, Sign Corrected
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
180
Right In: 1891.562+/-572.244 χ²/NDF: 12.2/15
Left Out: 1444.998+/-369.522 χ²/NDF:17.0/19
Right Out: 1696.987+/-589.699 χ²/NDF: 16.2/17
Left In: 1715.334+/-364.506 χ²/NDF:23.8/19
Left: 1582.013+/-259.500 χ²/NDF: 41.0/39
Right: 1797.197+/-410.670 χ²/NDF: 28.4/33
In: 1766.198+/-307.435 χ²/NDF:36.1/35
Out: 1516.046+/-313.125 χ²/NDF:33.2/37
All: 1643.416+/-219.373 χ²/NDF: 69.7/73



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: 1473.629+/-0.258 χ^2/NDF:3692.8/19

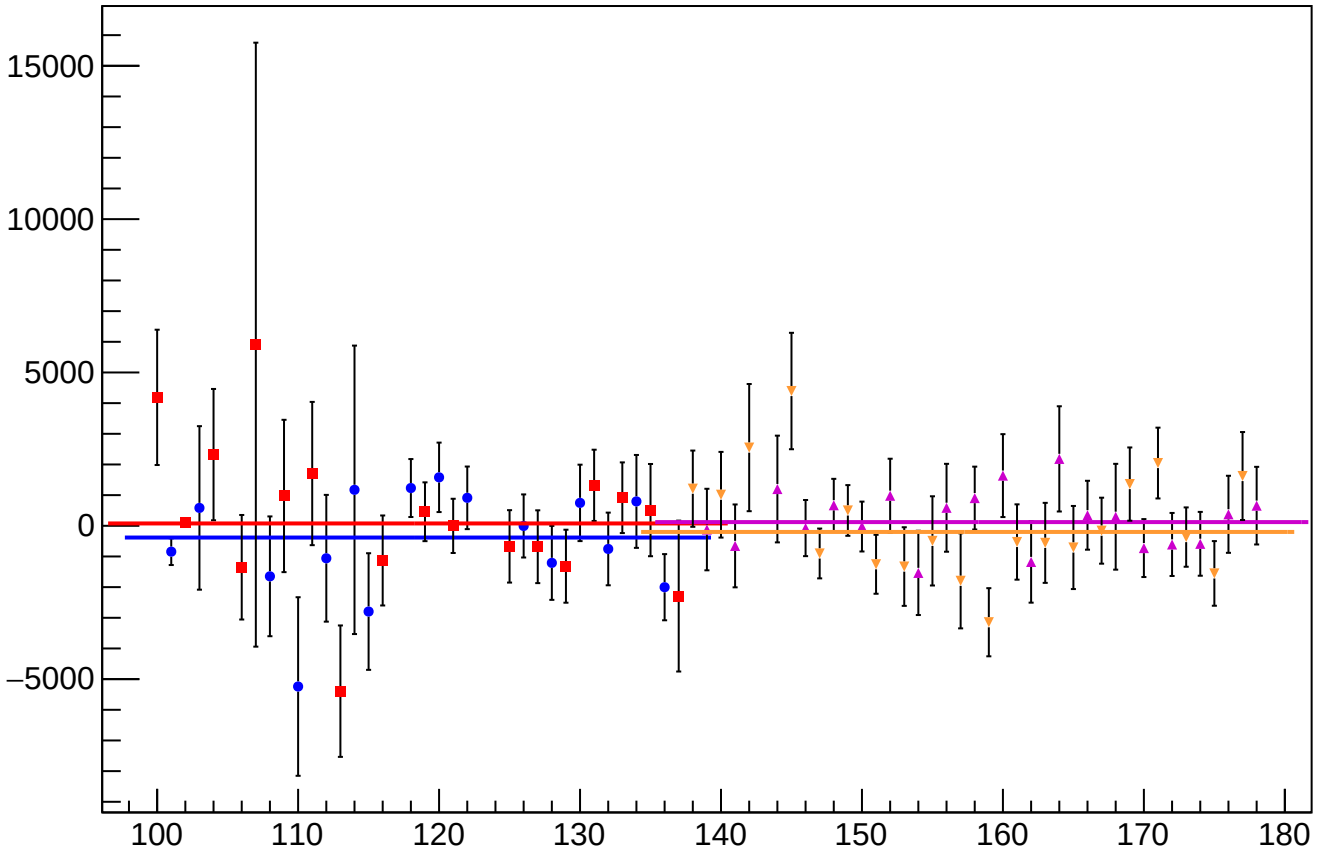
Left: 1472.749+/-0.183 χ^2/NDF: 5958.8/39

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1490.987+/-0.217 χ^2/NDF:148679.6/35

Out: 1504.551+/-0.221 χ^2/NDF:231580.6/37

All: 1497.645+/-0.155 χ^2/NDF: 382171.0/73



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: 120.914+/-258.319 χ^2/NDF:9.6/19

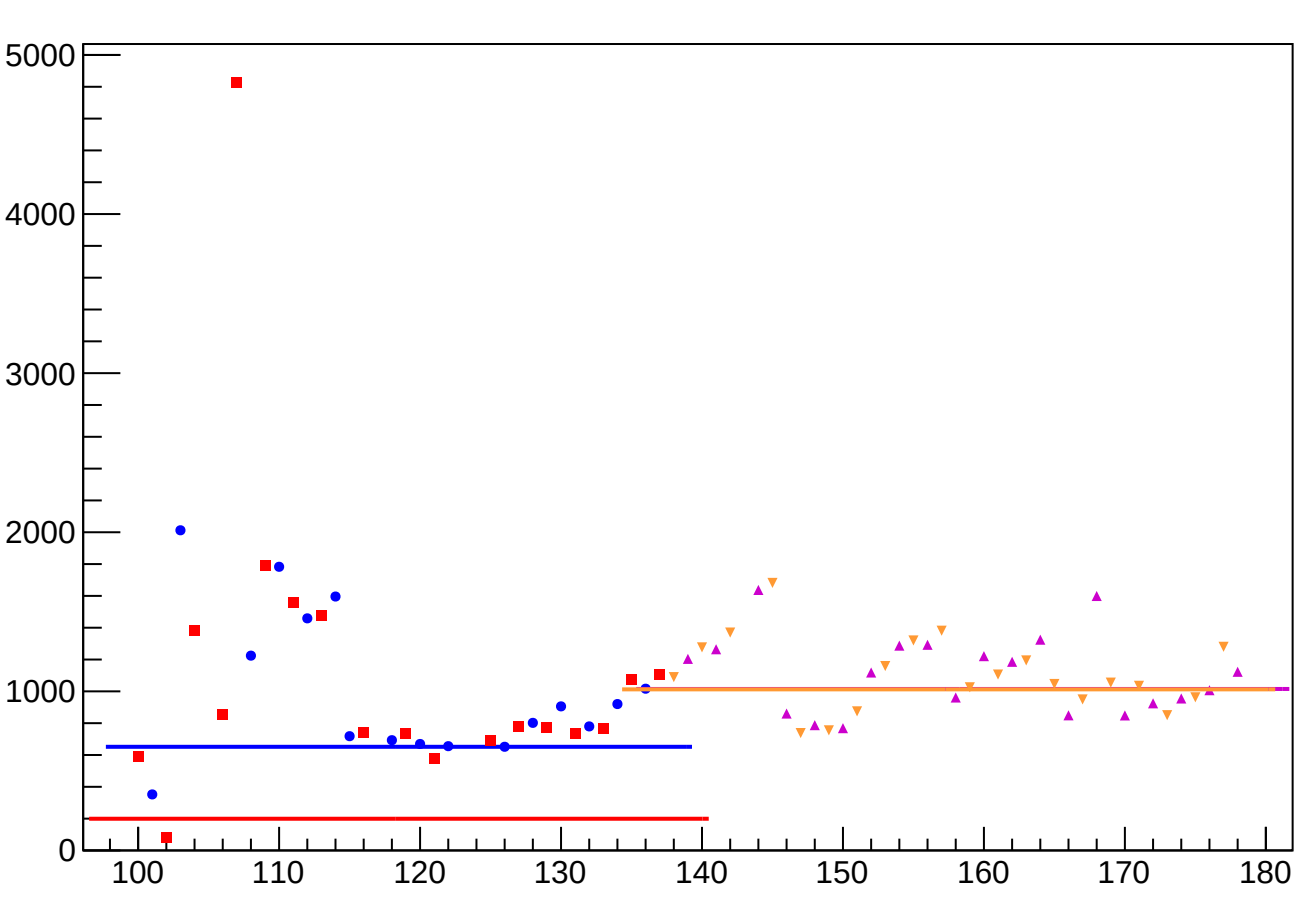
Left: -37.646+/-183.837 χ^2/NDF: 40.6/39

Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -117.746+/-187.377 χ^2/NDF:29.6/35

Out: 16.362+/-122.161 χ^2/NDF:49.7/37

All: -23.638+/-102.334 χ^2/NDF: 79.6/73



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: 1015.043+/-0.183 χ^2/NDF:1435475.1/19

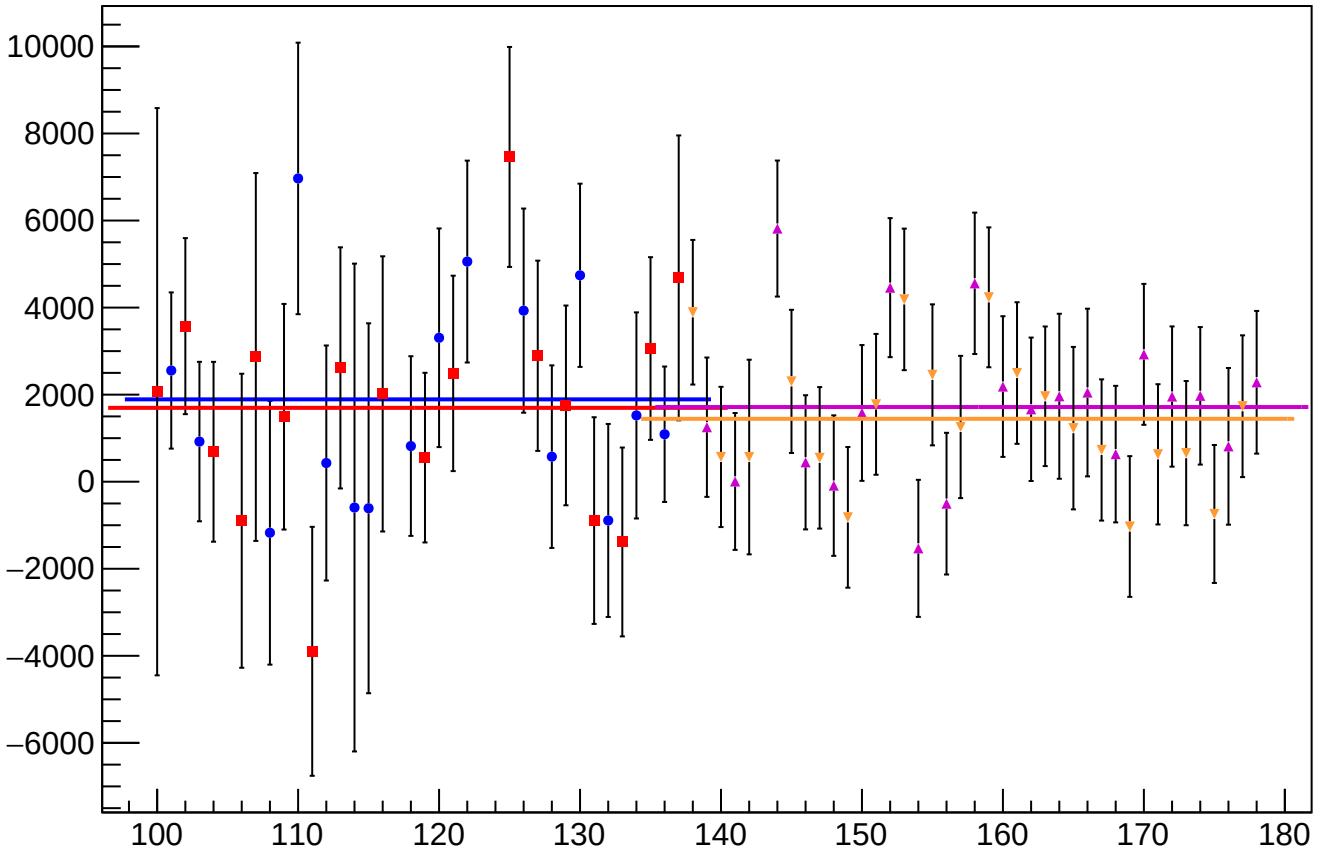
Left: 1013.797+/-0.130 χ^2/NDF: 2707515.6/39

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 842.793+/-0.132 χ^2/NDF:6074905.0/35

Out: 376.558+/-0.086 χ^2/NDF:25660756.8/37

All: 515.621+/-0.072 χ^2/NDF: 40424804.2/73



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: 1715.334+/-364.506 χ^2/NDF:23.8/19

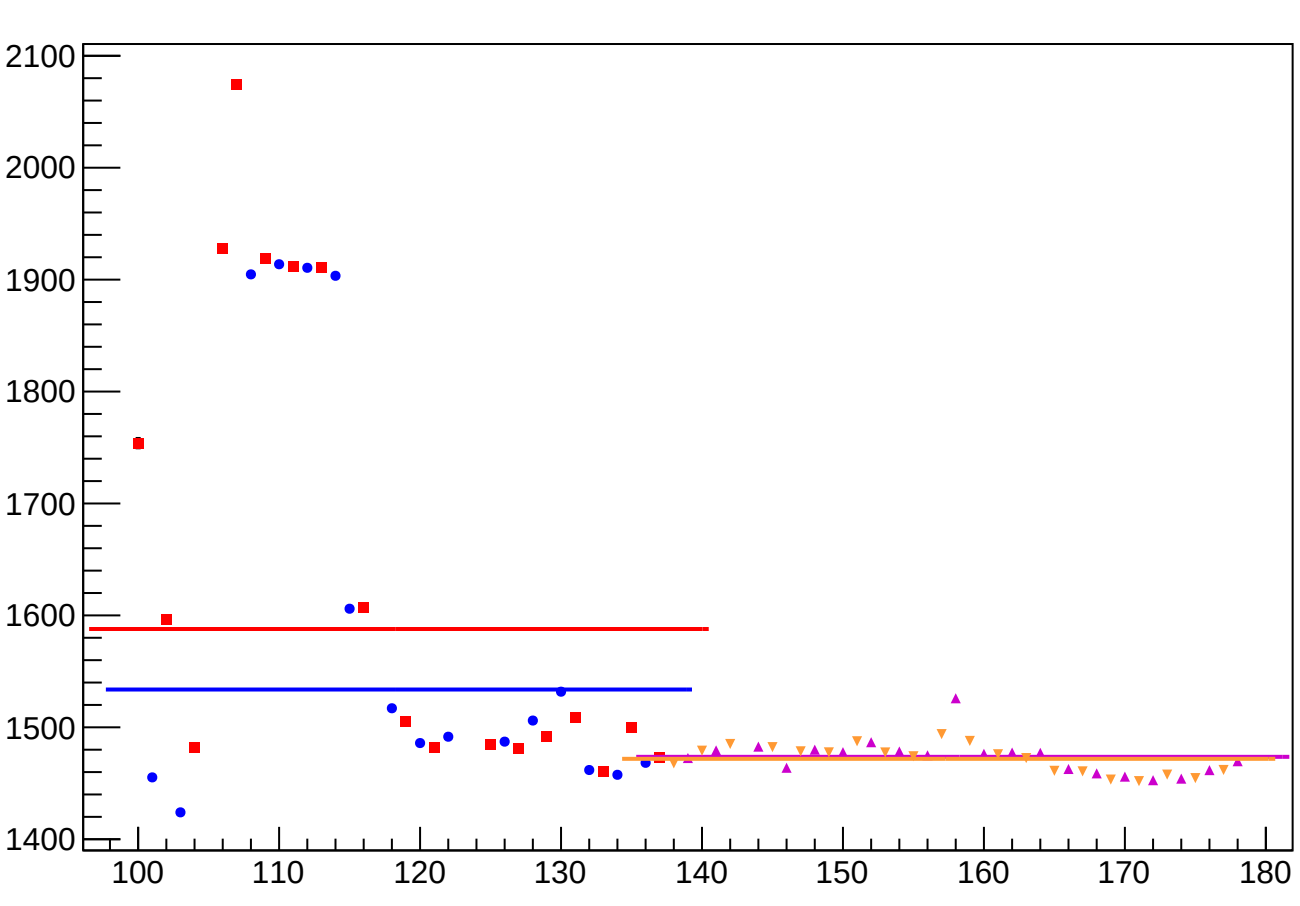
Left: 1582.013+/-259.500 χ^2/NDF: 41.0/39

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1766.198+/-307.435 χ^2/NDF:36.1/35

Out: 1516.046+/-313.125 χ^2/NDF:33.2/37

All: 1643.416+/-219.373 χ^2/NDF: 69.7/73



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: 1473.629+/-0.258 χ^2/NDF:3692.8/19

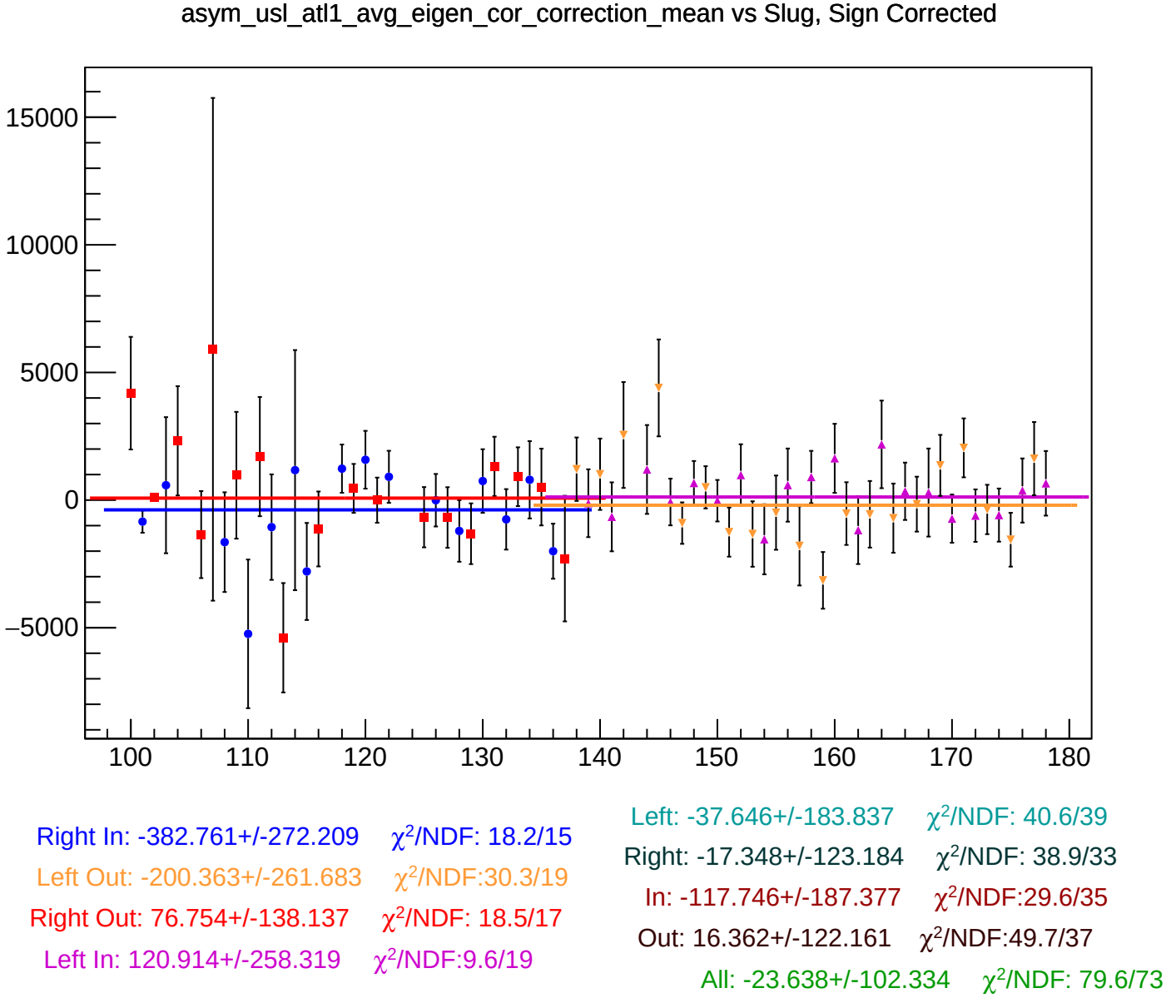
Left: 1472.749+/-0.183 χ^2/NDF: 5958.8/39

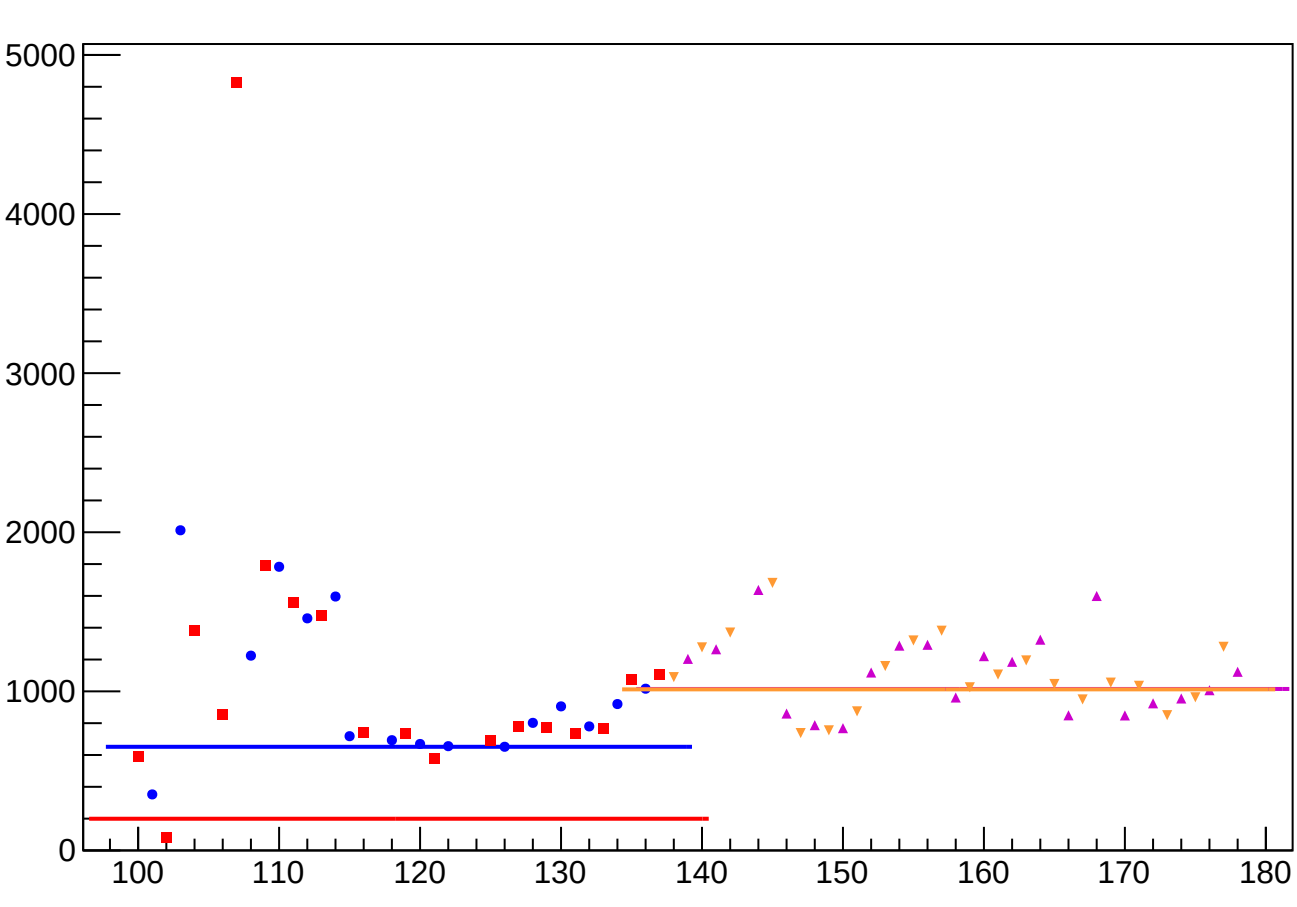
Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1490.987+/-0.217 χ^2/NDF:148679.6/35

Out: 1504.551+/-0.221 χ^2/NDF:231580.6/37

All: 1497.645+/-0.155 χ^2/NDF: 382171.0/73


asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
180
Right In: -382.761+/-272.209 χ²/NDF: 18.2/15
Left Out: -200.363+/-261.683 χ²/NDF:30.3/19
Right Out: 76.754+/-138.137 χ²/NDF: 18.5/17
Left In: 120.914+/-258.319 χ²/NDF:9.6/19
Left: -37.646+/-183.837 χ²/NDF: 40.6/39
Right: -17.348+/-123.184 χ²/NDF: 38.9/33
In: -117.746+/-187.377 χ²/NDF:29.6/35
Out: 16.362+/-122.161 χ²/NDF:49.7/37
All: -23.638+/-102.334 χ²/NDF: 79.6/73



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: 1015.043+/-0.183 χ^2/NDF:1435475.1/19

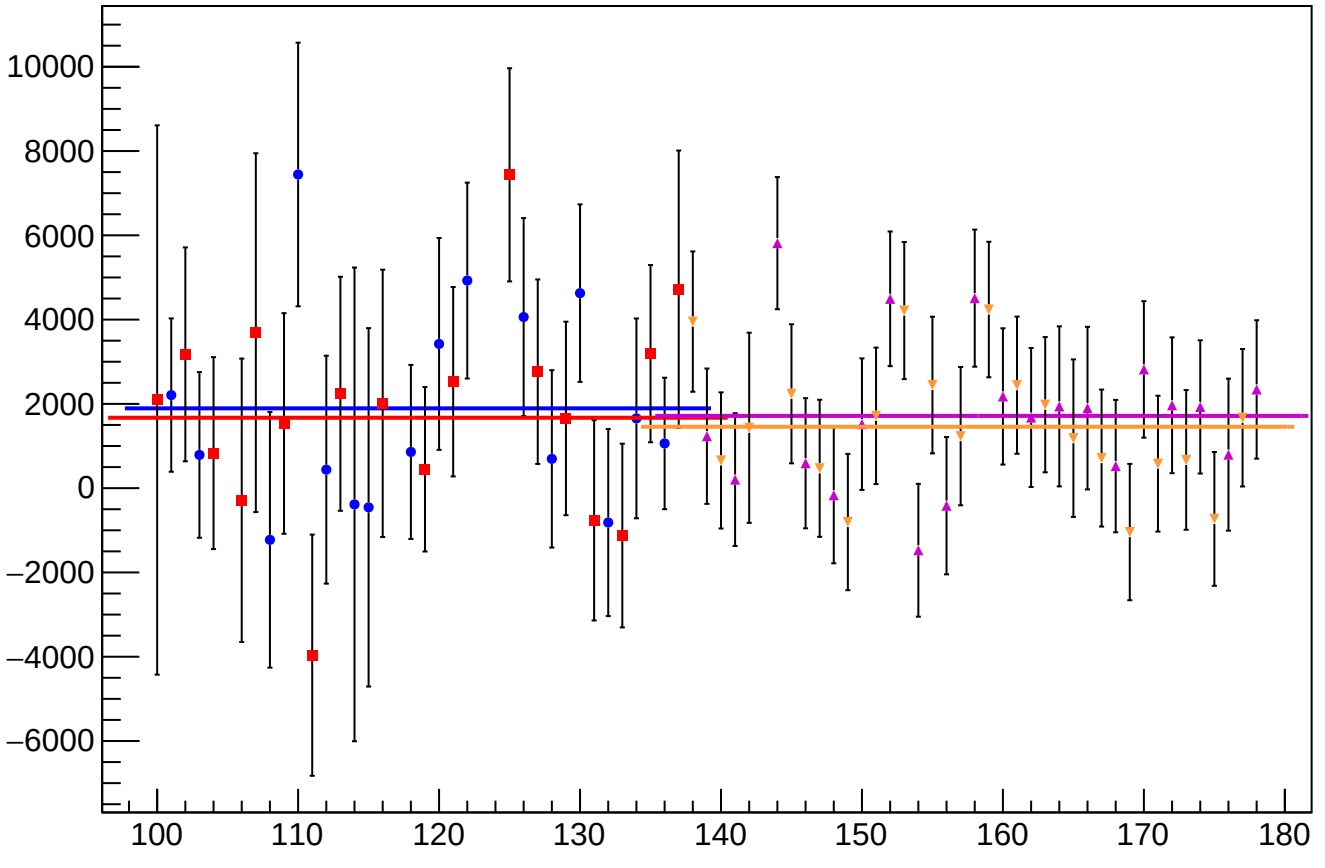
Left: 1013.797+/-0.130 χ^2/NDF: 2707515.6/39

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 842.793+/-0.132 χ^2/NDF:6074905.0/35

Out: 376.558+/-0.086 χ^2/NDF:25660756.8/37

All: 515.621+/-0.072 χ^2/NDF: 40424804.2/73



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: 1714.911+/-365.015 χ^2/NDF:23.1/19

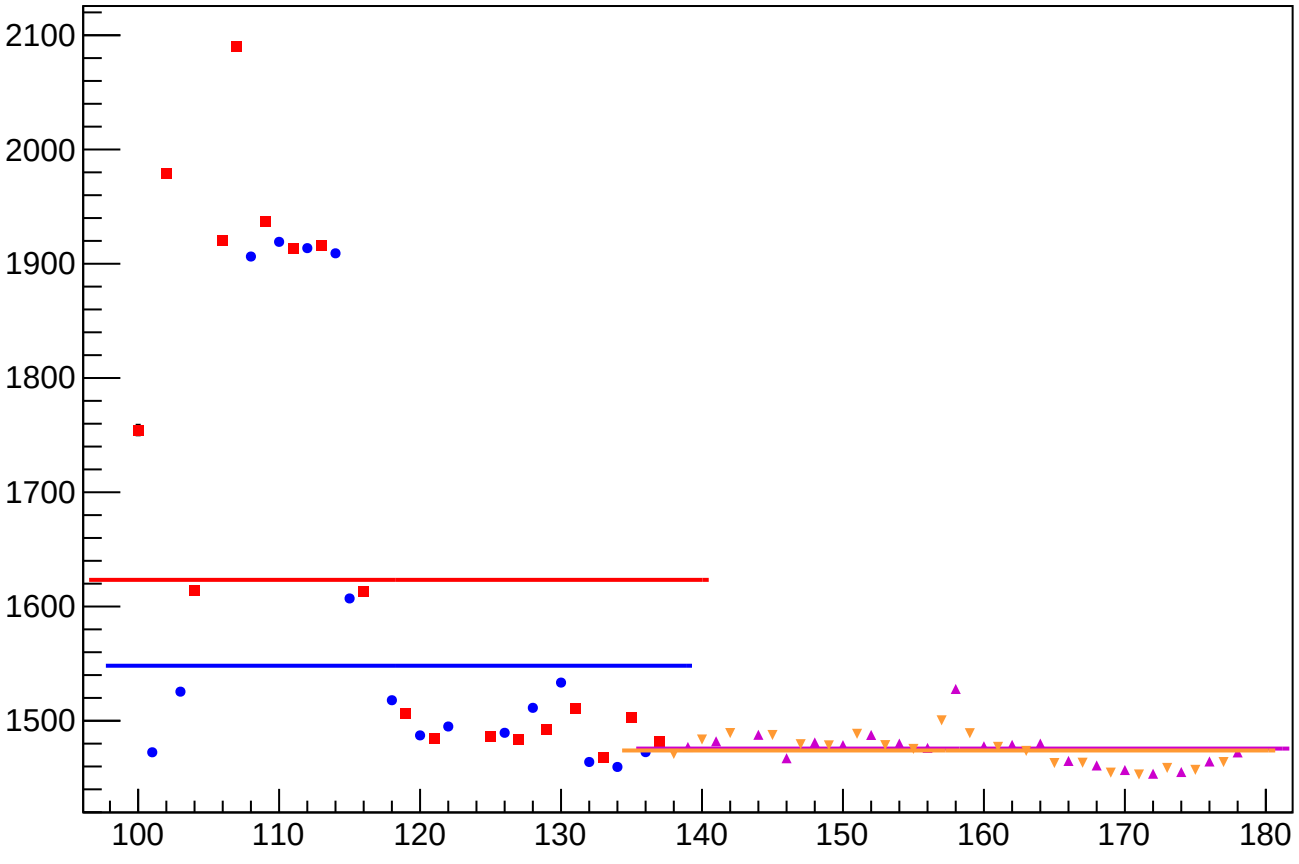
Left: 1587.899+/-259.895 χ^2/NDF: 40.2/39

Right: 1787.686+/-417.734 χ^2/NDF: 27.4/33

In: 1766.066+/-308.569 χ^2/NDF:35.5/35

Out: 1515.506+/-315.708 χ^2/NDF:32.0/37

All: 1643.651+/-220.672 χ^2/NDF: 67.8/73



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: 1475.667+/-0.258 χ^2/NDF:3753.5/19

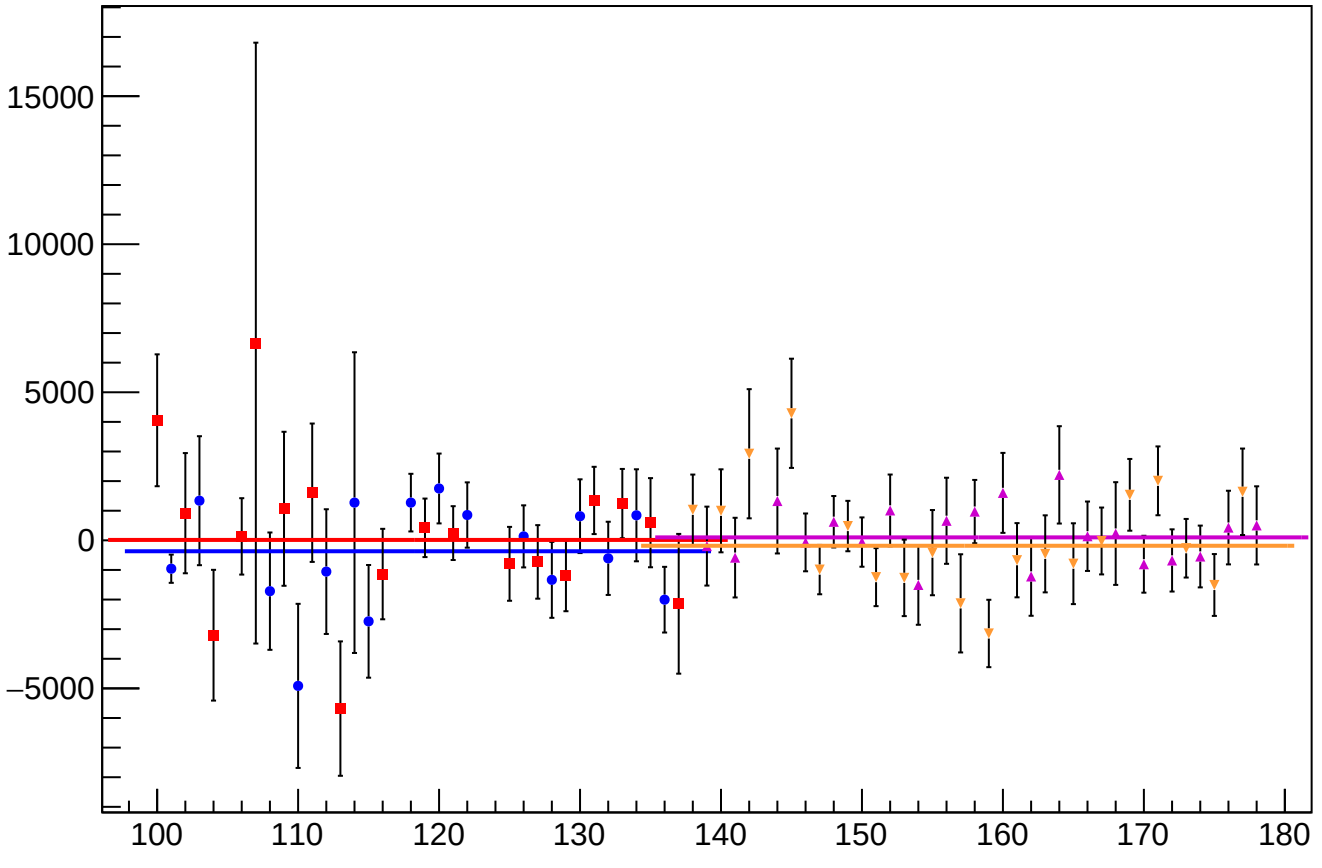
Left: 1474.847+/-0.184 χ^2/NDF: 6255.5/39

Right: 1584.024+/-0.295 χ^2/NDF: 347589.8/33

In: 1496.358+/-0.218 χ^2/NDF:146178.8/35

Out: 1514.688+/-0.223 χ^2/NDF:302708.3/37

All: 1505.314+/-0.156 χ^2/NDF: 452335.3/73



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: 99.730+/-262.548 χ^2/NDF:9.9/19

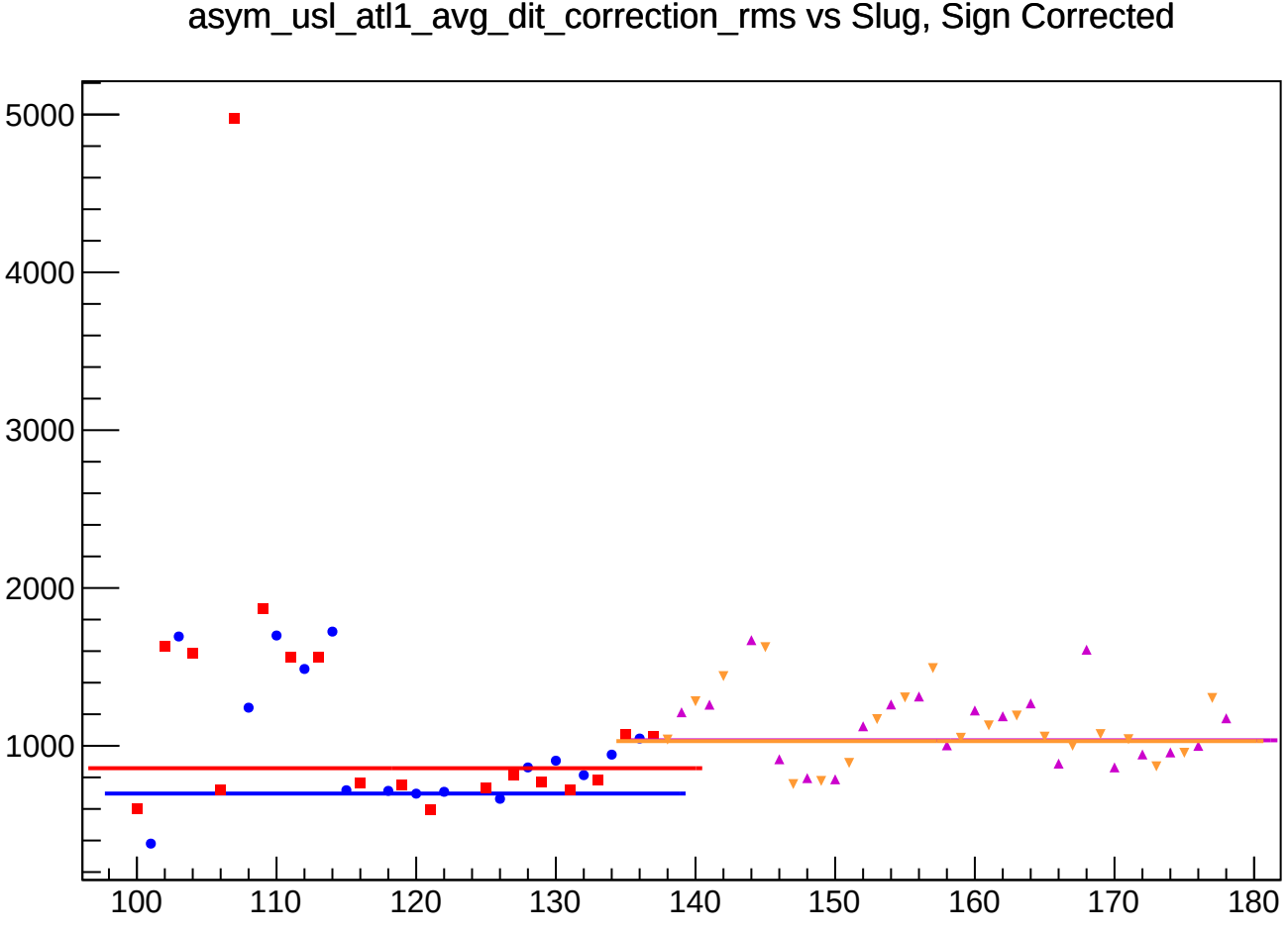
Left: -40.198+/-186.704 χ^2/NDF: 40.9/39

Right: -210.716+/-219.541 χ^2/NDF: 38.7/33

In: -114.030+/-193.588 χ^2/NDF:30.2/35

Out: -109.105+/-209.649 χ^2/NDF:49.7/37

All: -111.763+/-142.227 χ^2/NDF: 79.9/73



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: 1034.792+/-0.186 χ^2/NDF:1319618.2/19

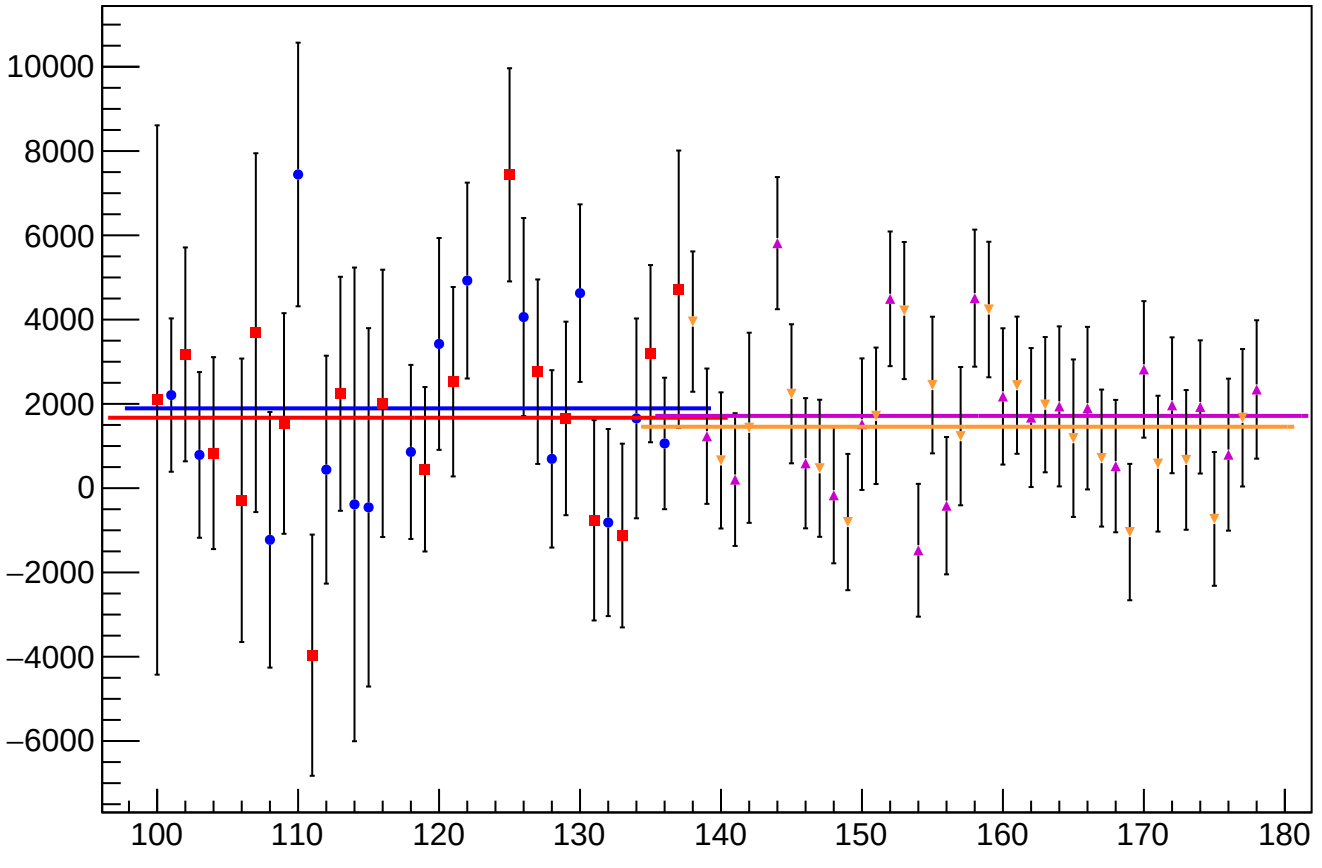
Left: 1032.302+/-0.132 χ^2/NDF: 2528730.5/39

Right: 763.855+/-0.155 χ^2/NDF: 4577183.5/33

In: 880.885+/-0.137 χ^2/NDF:5261331.6/35

Out: 965.086+/-0.148 χ^2/NDF:3405749.9/37

All: 919.637+/-0.101 χ^2/NDF: 8841215.8/73



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: 1714.913+/-365.015 χ^2/NDF:23.1/19

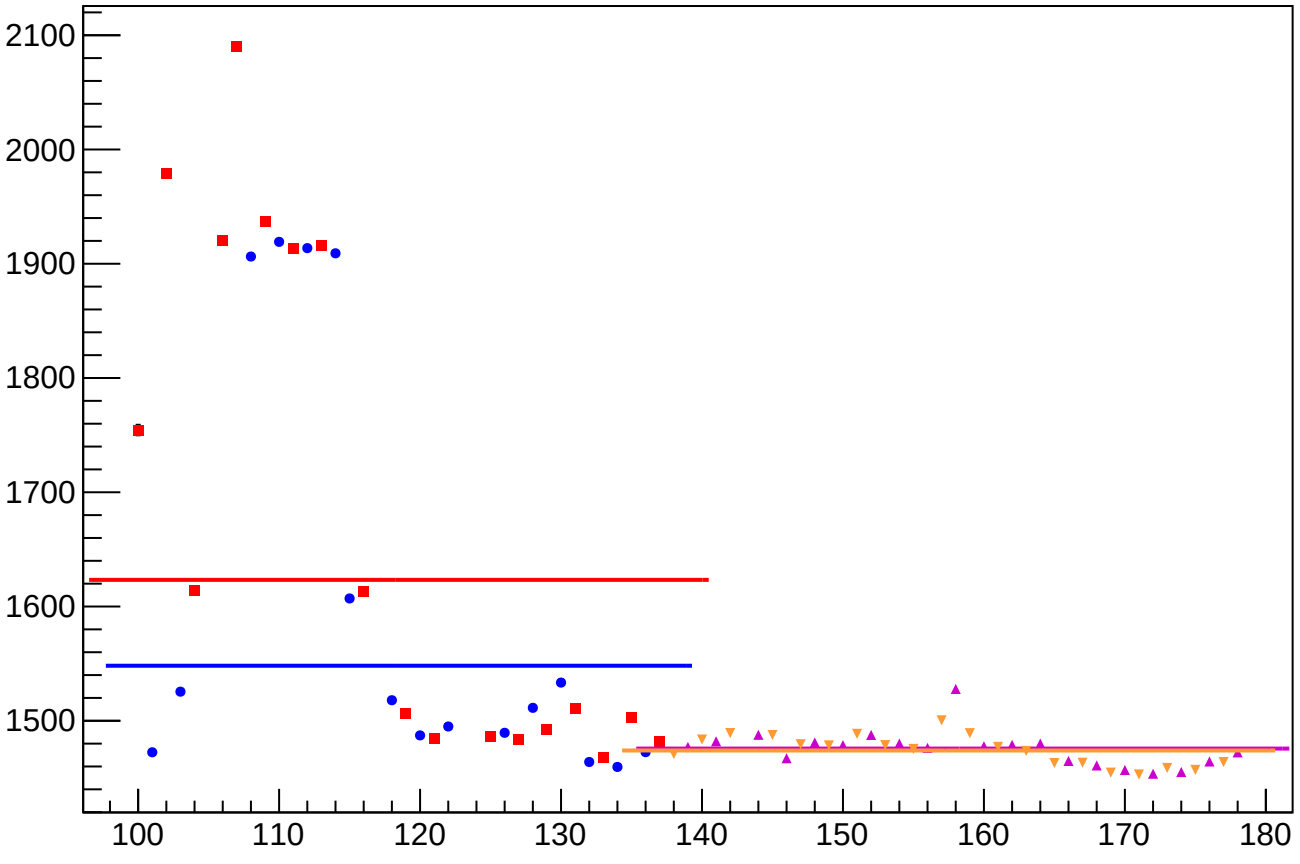
Left: 1587.899+/-259.895 χ^2/NDF: 40.2/39

Right: 1787.684+/-417.734 χ^2/NDF: 27.4/33

In: 1766.066+/-308.569 χ^2/NDF:35.5/35

Out: 1515.505+/-315.708 χ^2/NDF:32.0/37

All: 1643.651+/-220.672 χ^2/NDF: 67.8/73



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: 1475.667+/-0.258 χ^2/NDF:3753.5/19

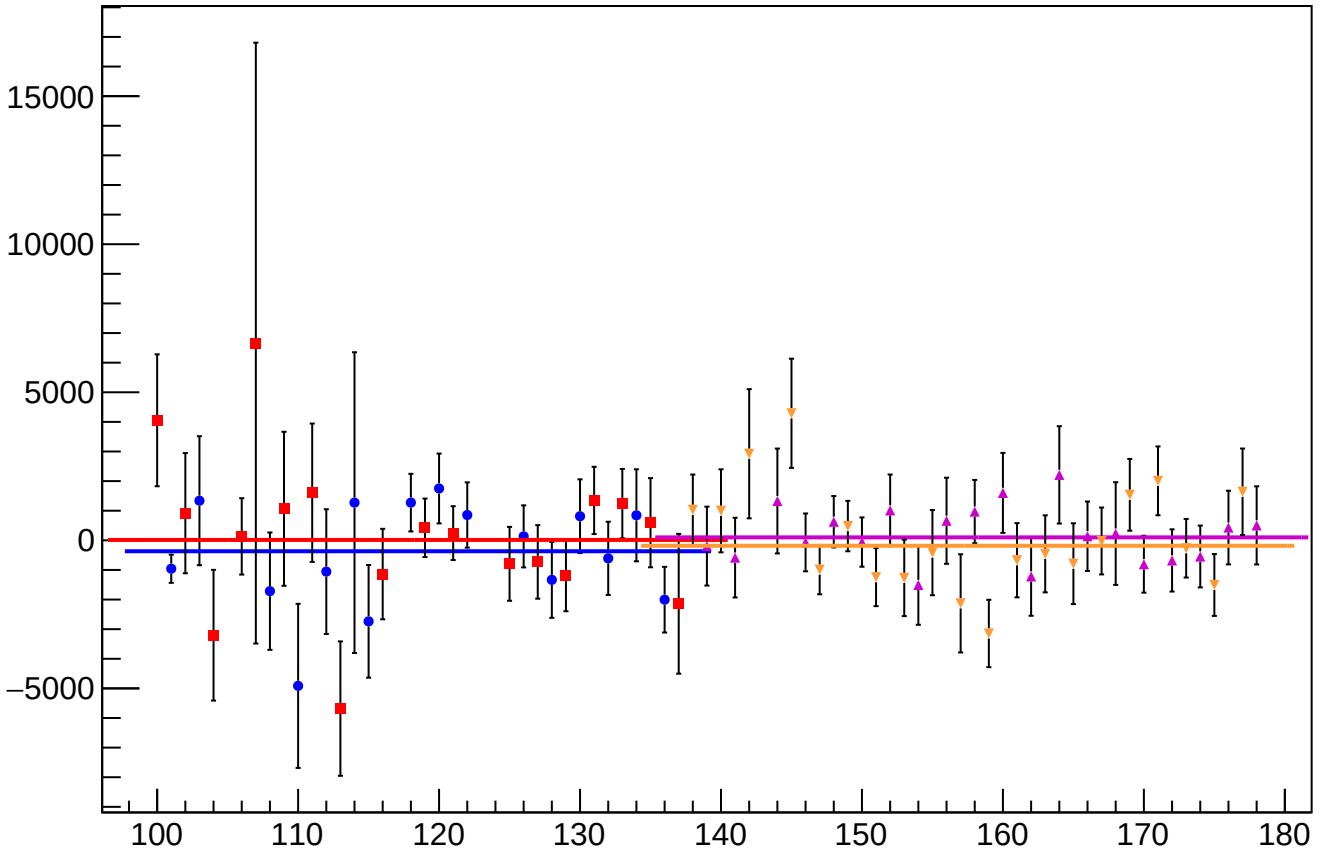
Left: 1474.847+/-0.184 χ^2/NDF: 6255.5/39

Right: 1584.024+/-0.295 χ^2/NDF: 347589.7/33

In: 1496.358+/-0.218 χ^2/NDF:146178.7/35

Out: 1514.688+/-0.223 χ^2/NDF:302707.9/37

All: 1505.314+/-0.156 χ^2/NDF: 452334.7/73



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: 99.731+/-262.548 χ^2/NDF:9.9/19

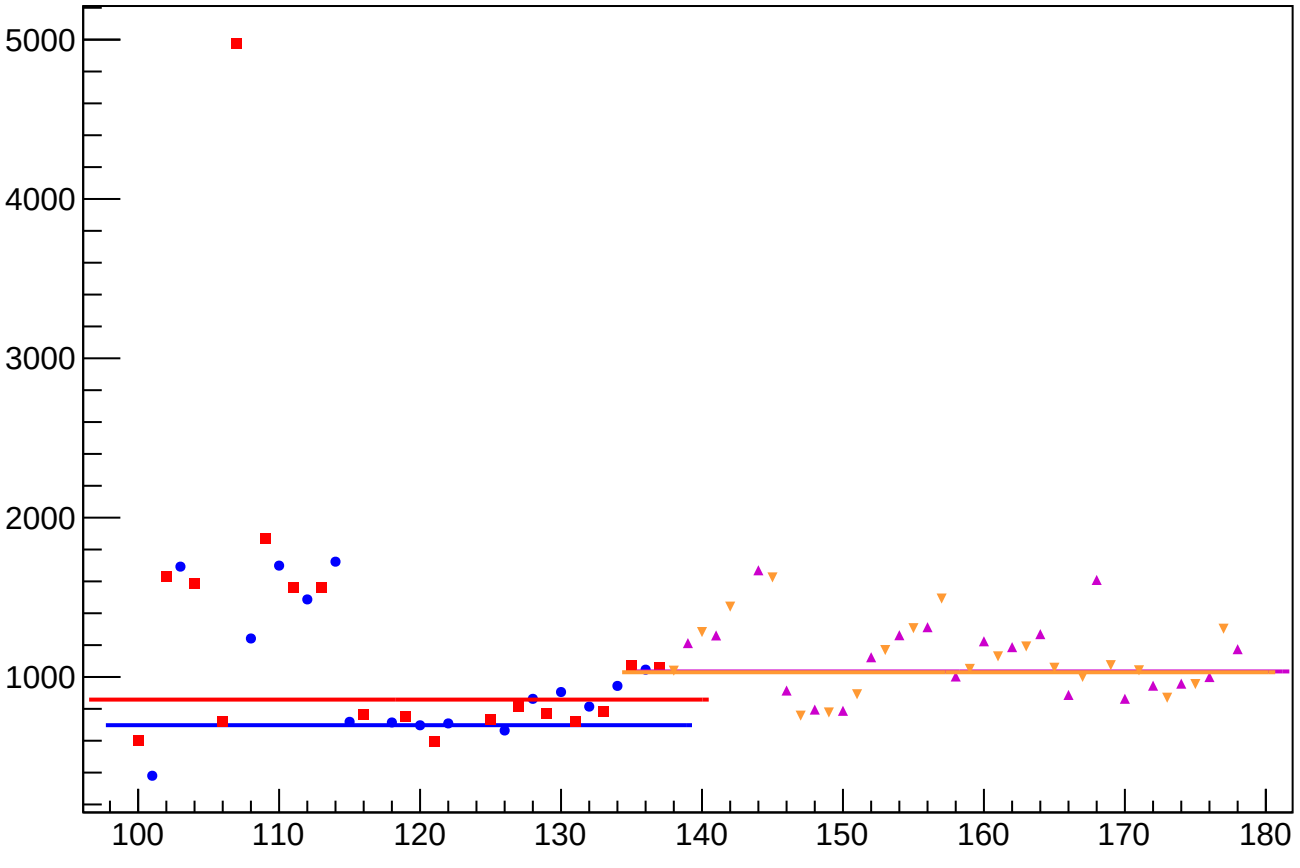
Left: -40.199+/-186.704 χ^2/NDF: 40.9/39

Right: -210.715+/-219.541 χ^2/NDF: 38.7/33

In: -114.030+/-193.588 χ^2/NDF:30.2/35

Out: -109.106+/-209.649 χ^2/NDF:49.7/37

All: -111.764+/-142.227 χ^2/NDF: 79.9/73



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: 1034.794+/-0.186 χ^2/NDF:1319614.6/19

Left: 1032.304+/-0.132 χ^2/NDF: 2528725.1/39

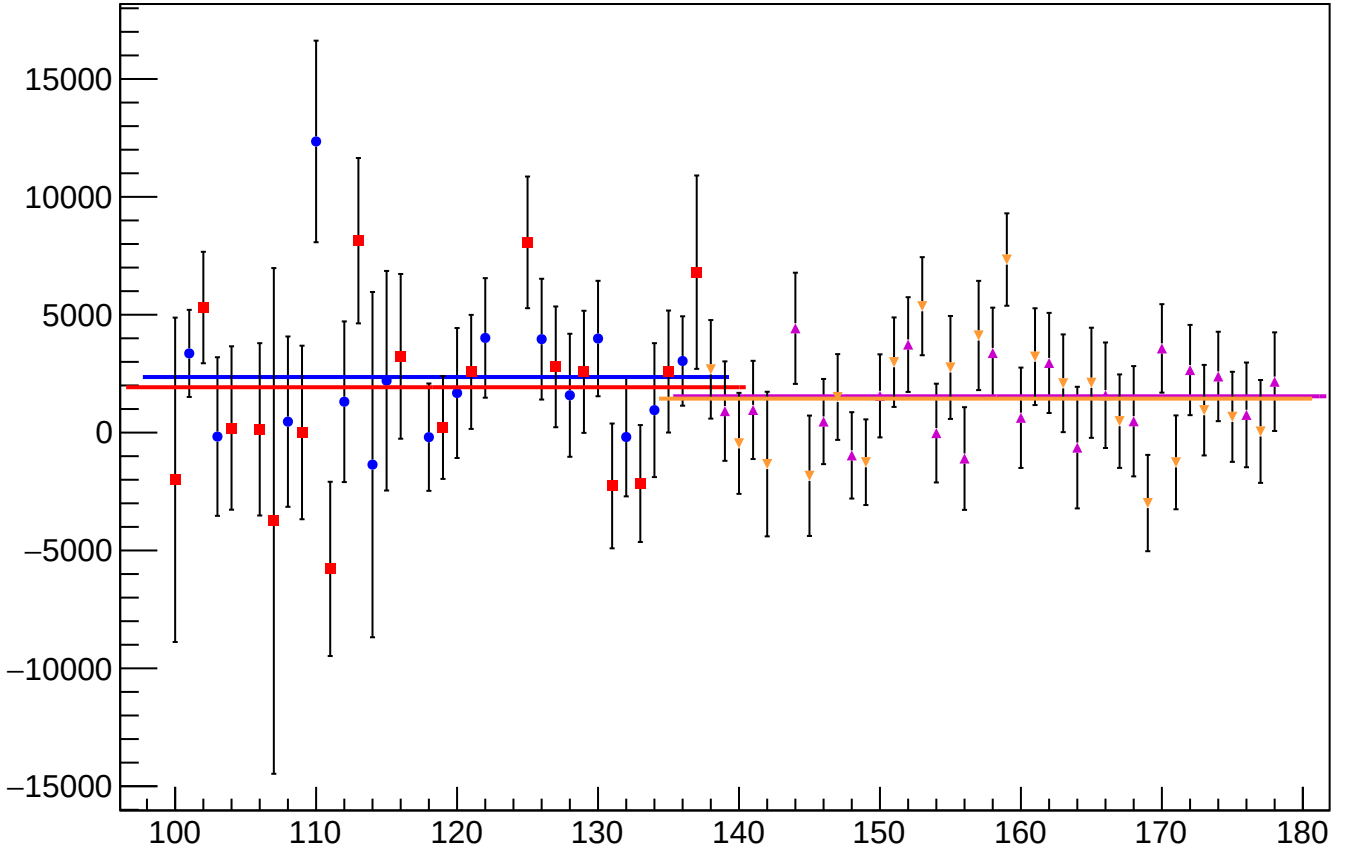
Right: 763.854+/-0.155 χ^2/NDF: 4577181.2/33

In: 880.885+/-0.137 χ^2/NDF:5261333.1/35

Out: 965.086+/-0.148 χ^2/NDF:3405769.5/37

All: 919.637+/-0.101 χ^2/NDF: 8841234.7/73

asym_usl_atl1_avg_mean vs Slug, Sign Corrected



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: 1540.395+/-458.380 χ^2/NDF:11.5/19

Left: 1491.460+/-326.328 χ^2/NDF: 40.6/39

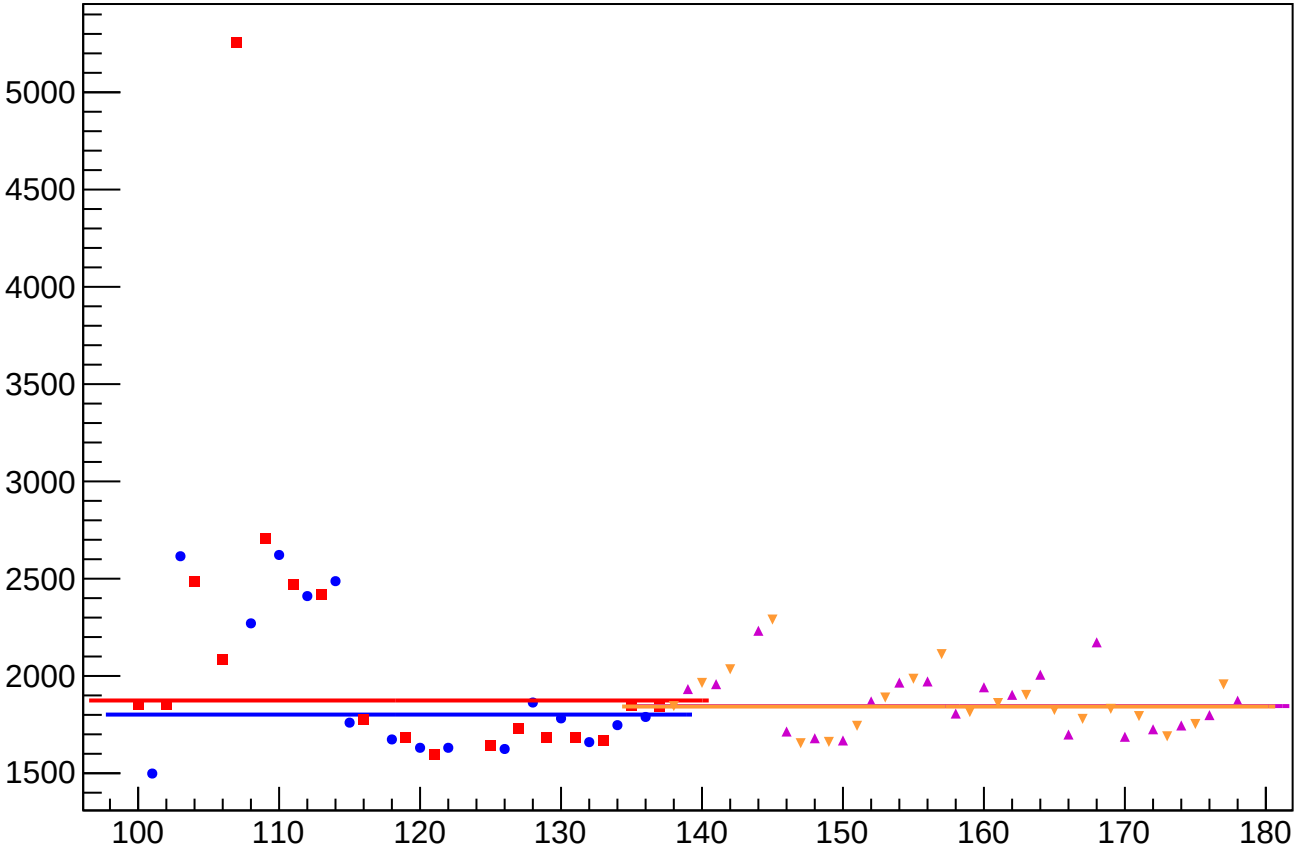
Right: 2149.598+/-489.640 χ^2/NDF: 34.6/33

In: 1796.071+/-379.904 χ^2/NDF:23.5/35

Out: 1587.129+/-388.283 χ^2/NDF:52.9/37

All: 1693.879+/-271.547 χ^2/NDF: 76.5/73

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: 1845.230+/-0.324 χ^2/NDF:214419.3/19

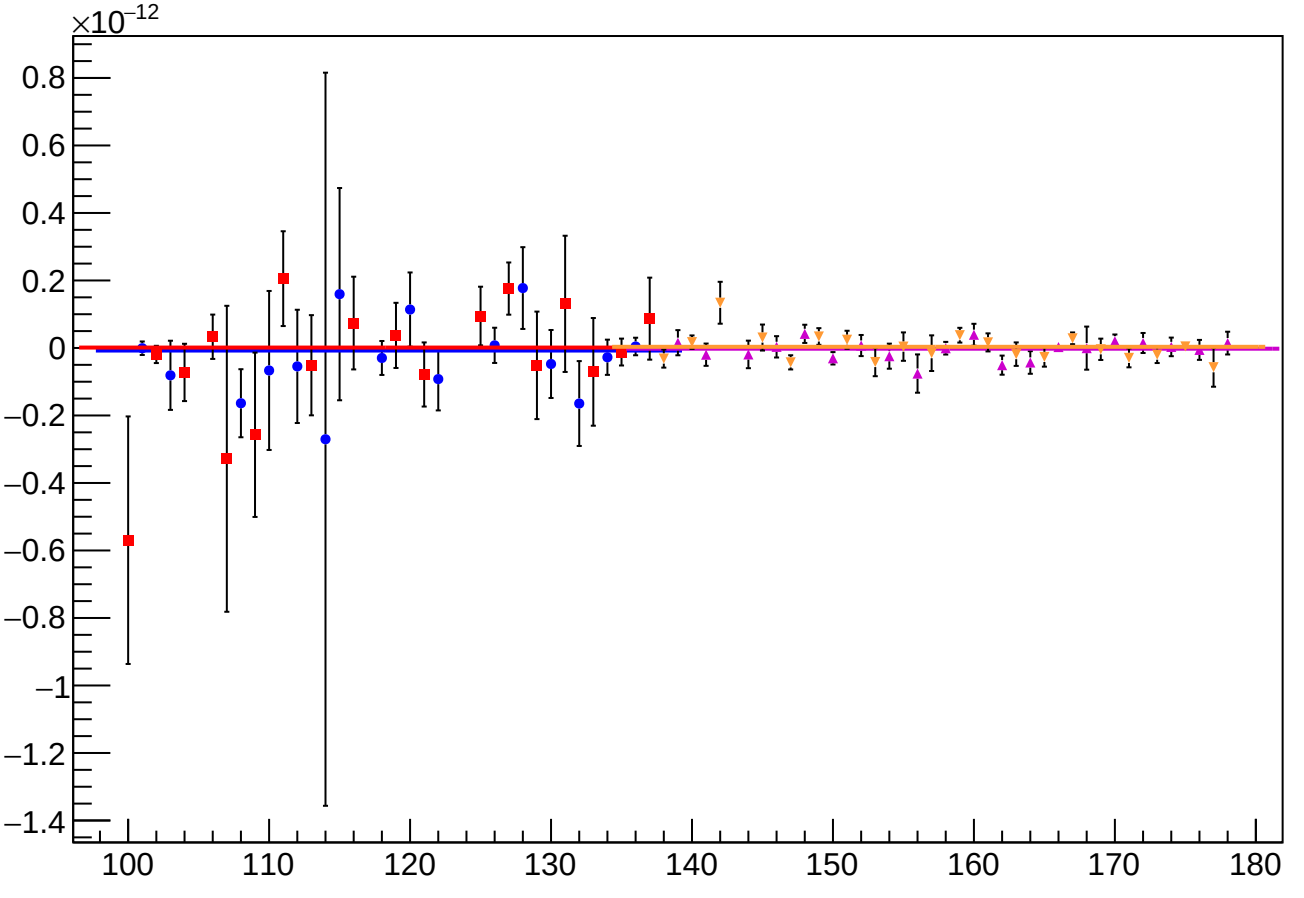
Left: 1844.142+/-0.231 χ^2/NDF: 401709.0/39

Right: 1836.296+/-0.346 χ^2/NDF: 981540.0/33

In: 1831.547+/-0.269 χ^2/NDF:620813.4/35

Out: 1852.365+/-0.275 χ^2/NDF:759853.8/37

All: 1841.729+/-0.192 χ^2/NDF: 1383604.6/73



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:15.9/19

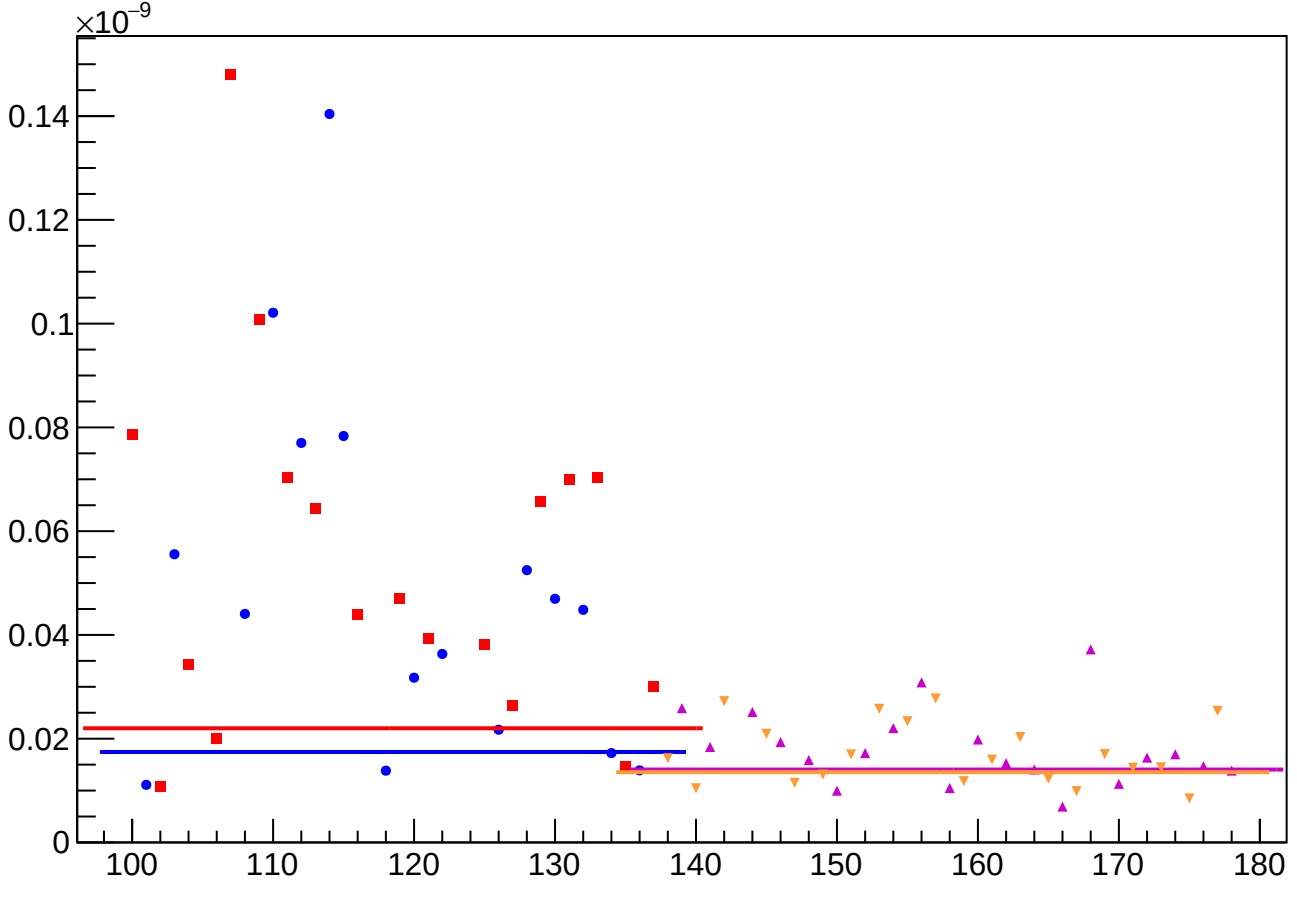
Left: 0.000+/-0.000 χ^2/NDF: 41.4/39

Right: -0.000+/-0.000 χ^2/NDF: 27.1/33

In: -0.000+/-0.000 χ^2/NDF:26.3/35

Out: 0.000+/-0.000 χ^2/NDF:41.7/37

All: 0.000+/-0.000 χ^2/NDF: 68.6/73



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:1772244.2/19

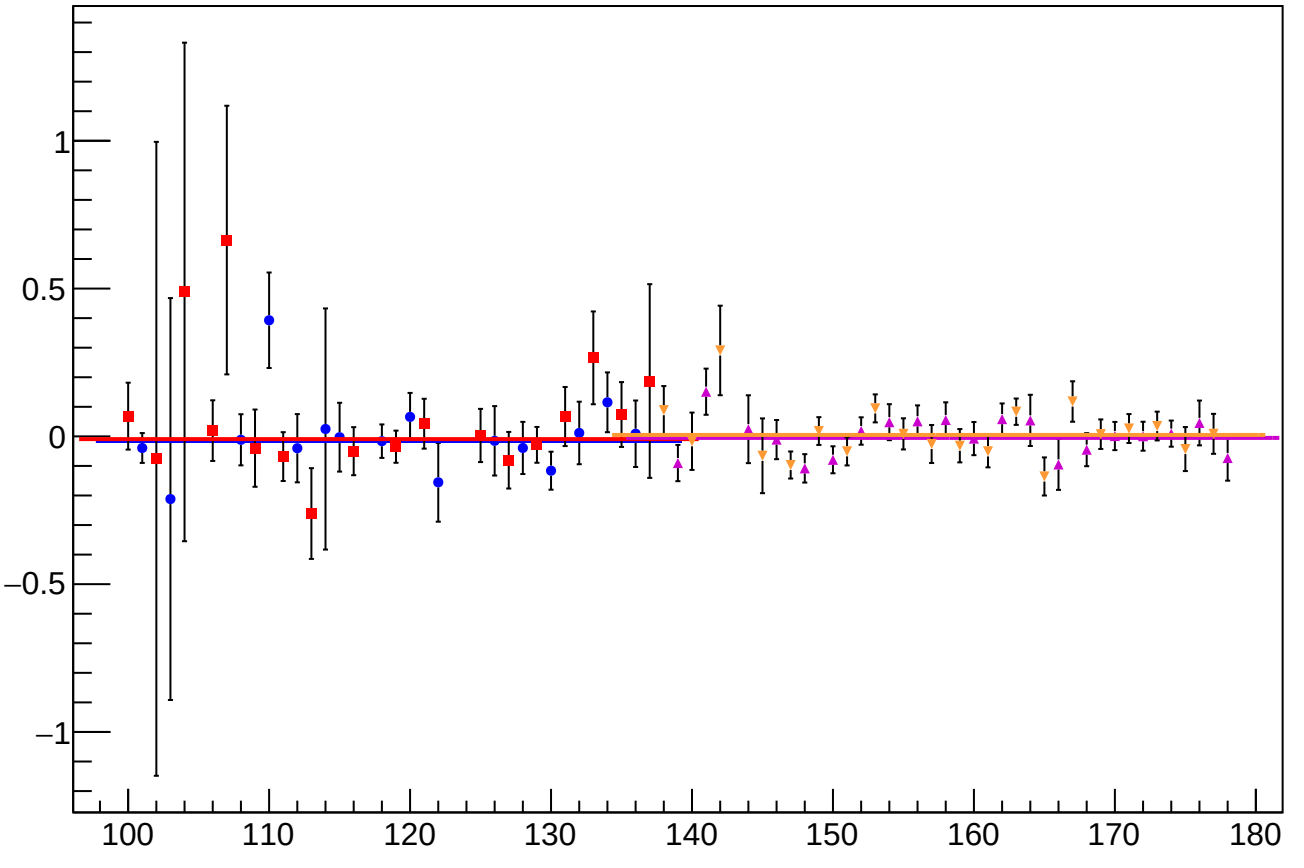
Left: 0.000+/-0.000 χ^2/NDF: 3033110.0/39

Right: 0.000+/-0.000 χ^2/NDF: 4028264.0/33

In: 0.000+/-0.000 χ^2/NDF:3721891.9/35

Out: 0.000+/-0.000 χ^2/NDF:3788239.5/37

All: 0.000+/-0.000 χ^2/NDF: 7511658.4/73



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: -0.005+/-0.013 χ^2/NDF:21.2/19

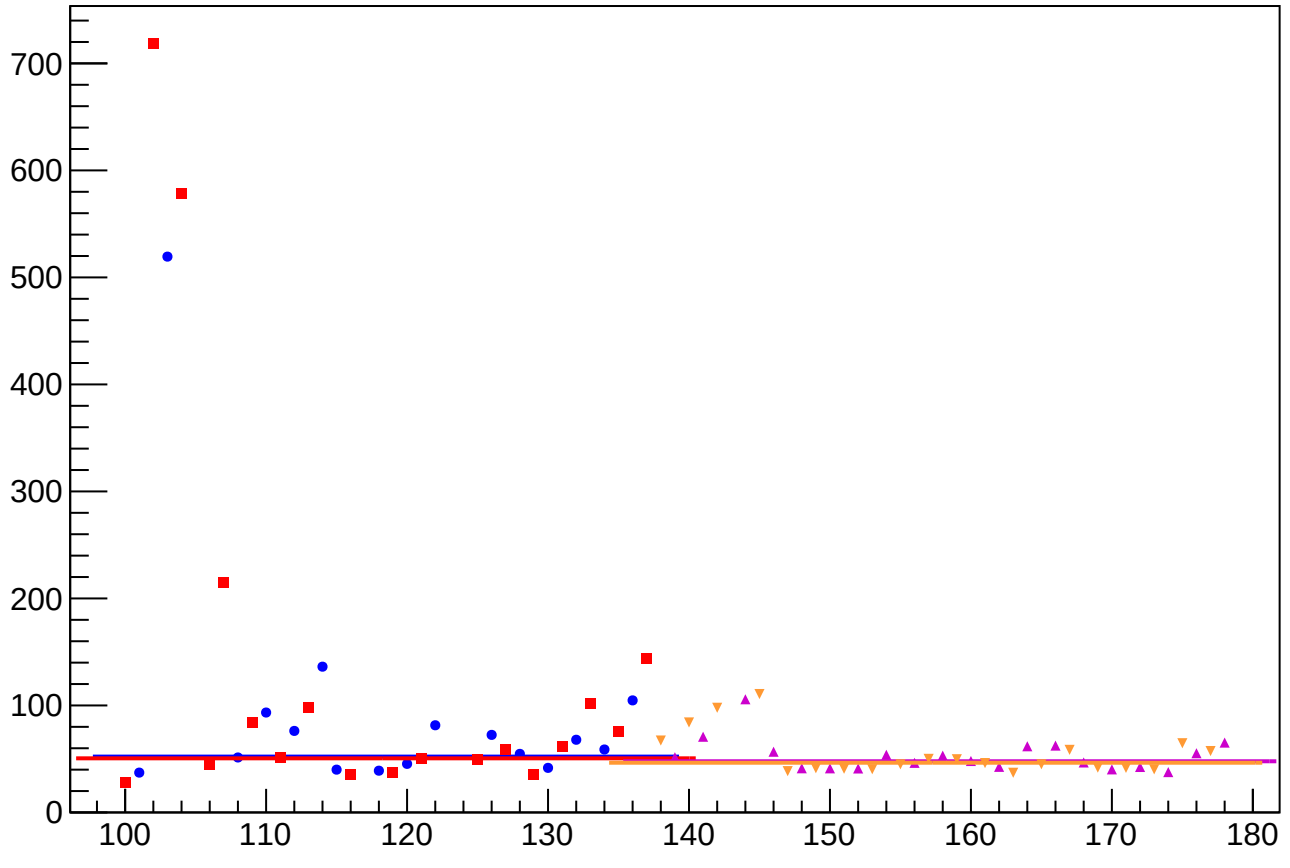
Left: -0.000+/-0.009 χ^2/NDF: 49.8/39

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.008+/-0.011 χ^2/NDF:34.6/35

Out: 0.002+/-0.011 χ^2/NDF:41.0/37

All: -0.003+/-0.008 χ^2/NDF: 75.9/73



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: 47.830+/-0.009 χ^2/NDF:1316037.2/19

Left: 47.152+/-0.006 χ^2/NDF: 3053204.9/39

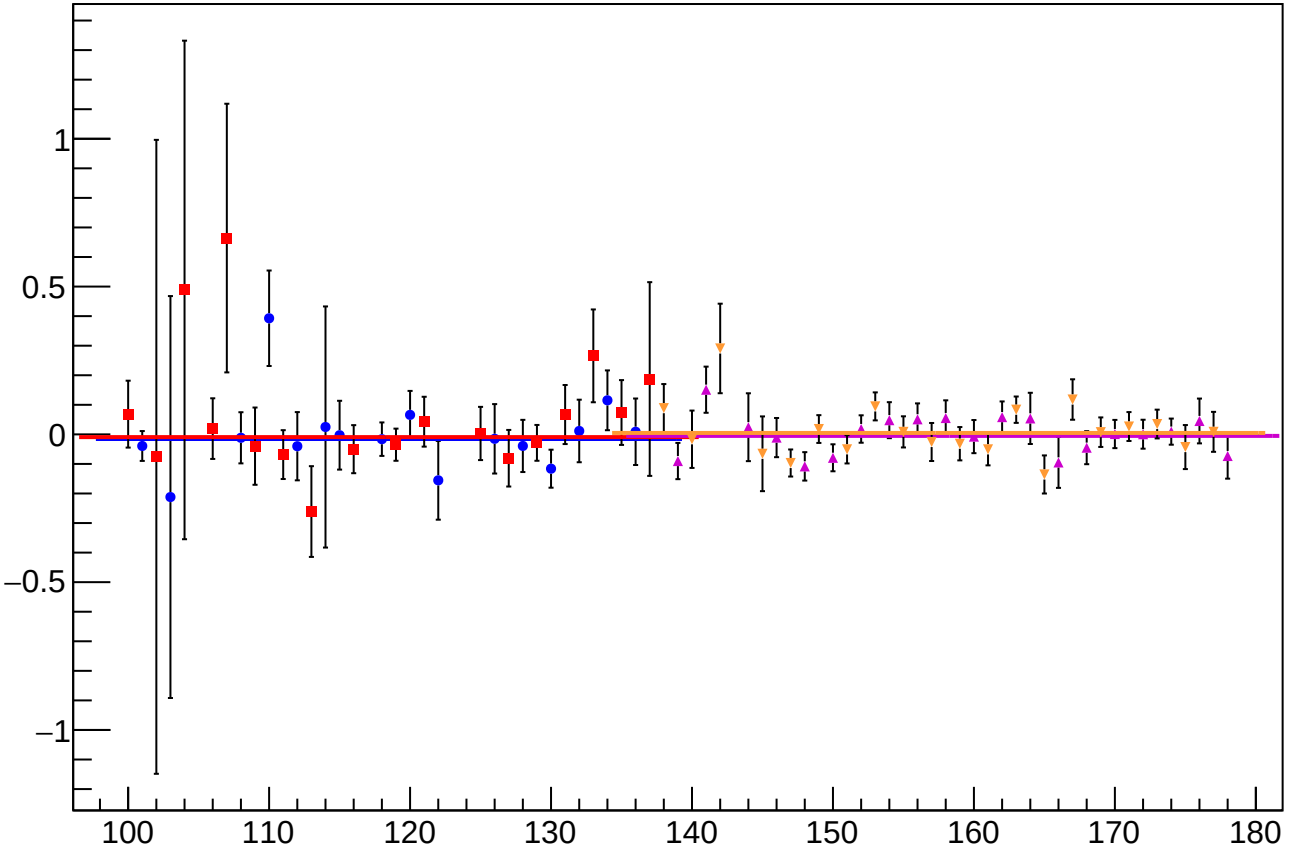
Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 48.902+/-0.008 χ^2/NDF:3638906.1/35

Out: 47.422+/-0.008 χ^2/NDF:4824177.1/37

All: 48.167+/-0.006 χ^2/NDF: 8480357.9/73

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.005+/-0.013 χ^2/NDF:28.2/19

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.005+/-0.013 χ^2/NDF:21.2/19

Left: -0.000+/-0.009 χ^2/NDF: 49.8/39

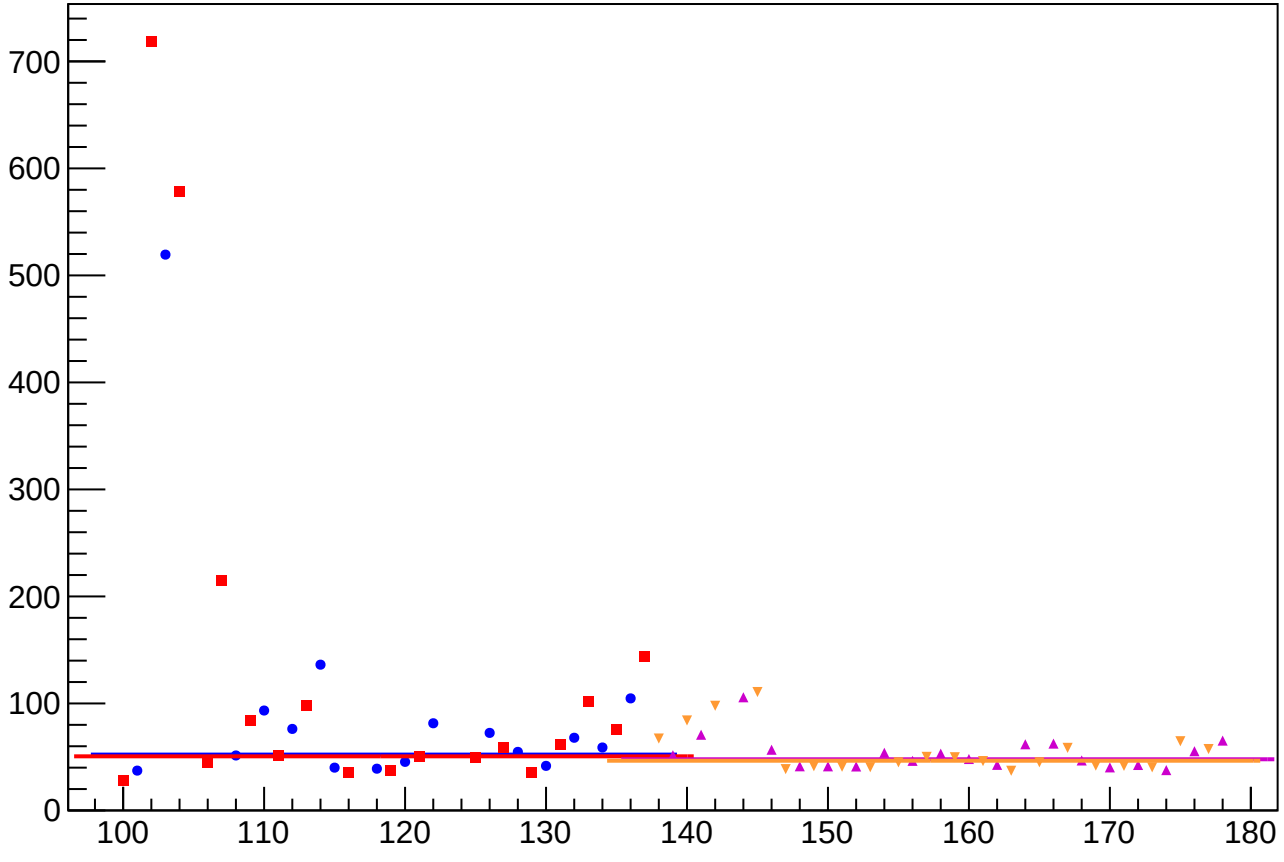
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.008+/-0.011 χ^2/NDF:34.6/35

Out: 0.002+/-0.011 χ^2/NDF:41.0/37

All: -0.003+/-0.008 χ^2/NDF: 75.9/73

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: 47.830+/-0.009 χ^2/NDF:1316037.2/19

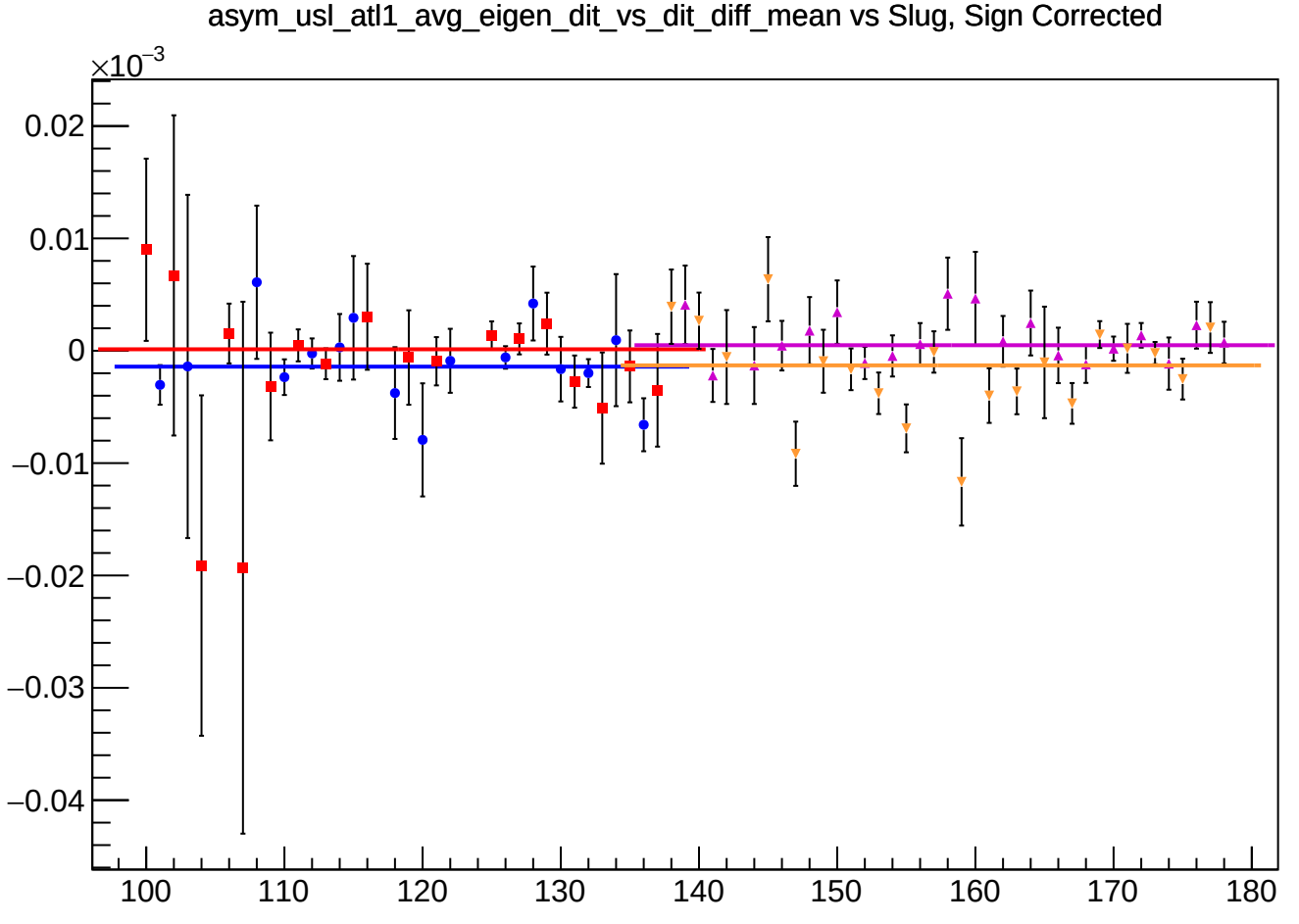
Left: 47.152+/-0.006 χ^2/NDF: 3053204.9/39

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 48.902+/-0.008 χ^2/NDF:3638906.1/35

Out: 47.422+/-0.008 χ^2/NDF:4824177.1/37

All: 48.167+/-0.006 χ^2/NDF: 8480357.9/73



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:12.1/19

Left: -0.000+/-0.000 χ^2/NDF: 69.1/39

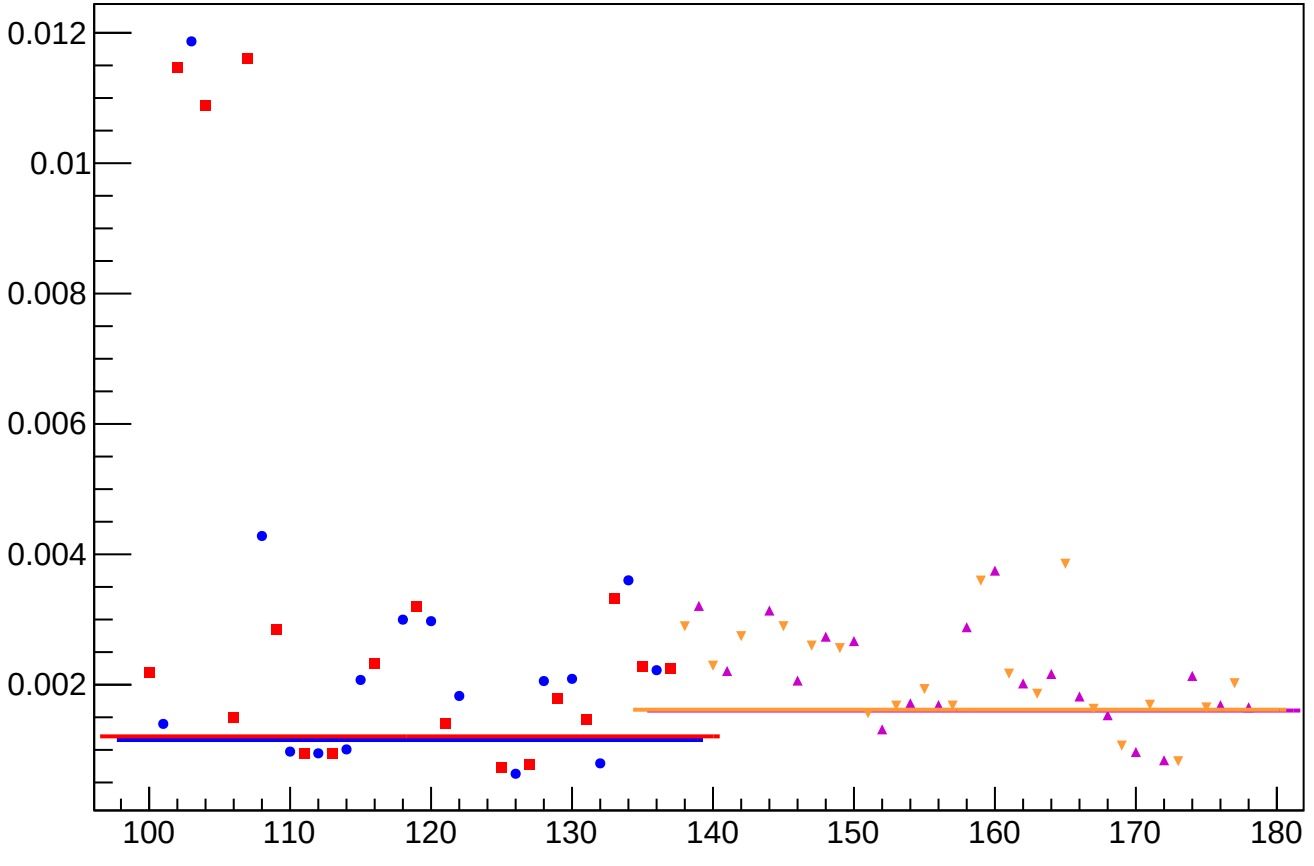
Right: -0.000+/-0.000 χ^2/NDF: 30.7/33

In: -0.000+/-0.000 χ^2/NDF:35.0/35

Out: -0.000+/-0.000 χ^2/NDF:64.4/37

All: -0.000+/-0.000 χ^2/NDF: 100.2/73

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:4495852.5/19

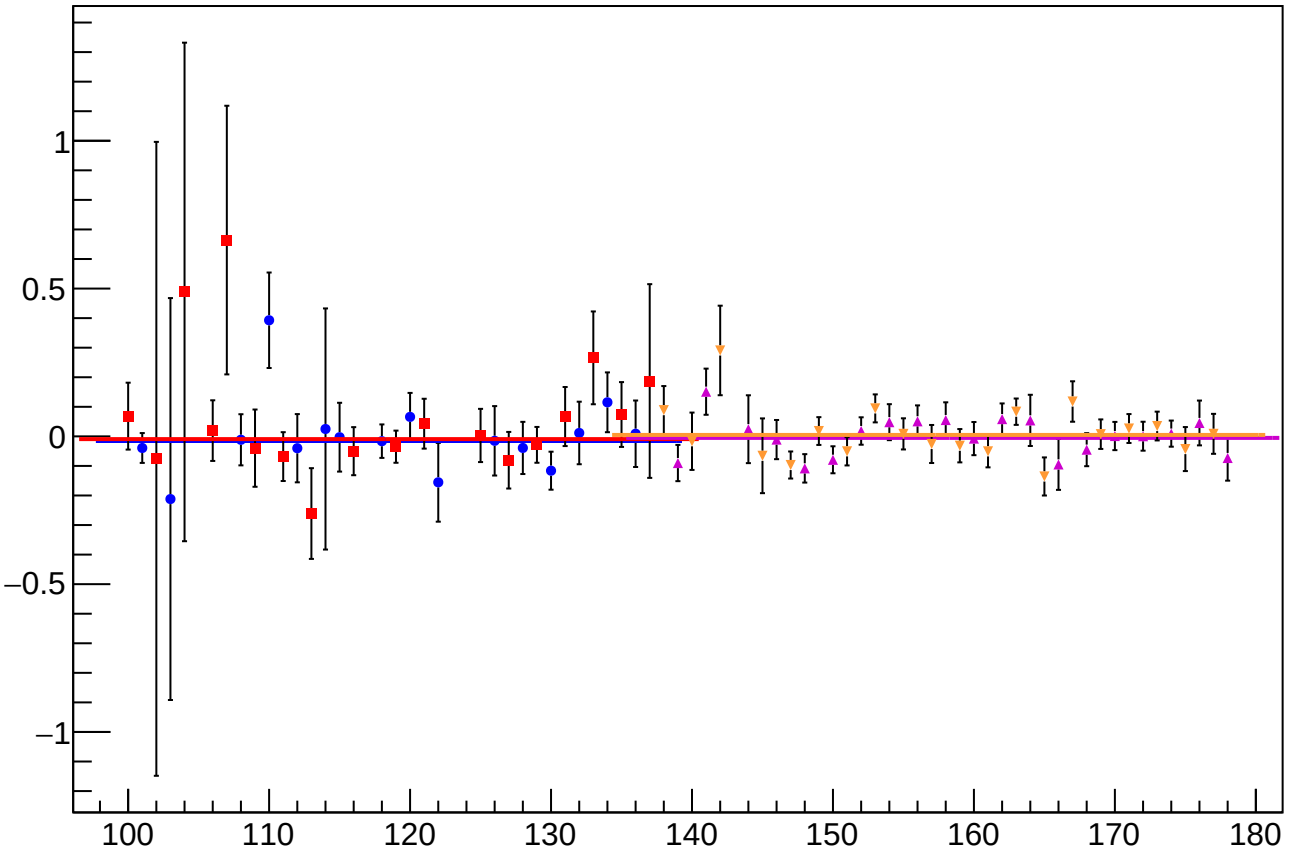
Left: 0.002+/-0.000 χ^2/NDF: 8667476.1/39

Right: 0.001+/-0.000 χ^2/NDF: 8720631.4/33

In: 0.001+/-0.000 χ^2/NDF:9578035.1/35

Out: 0.001+/-0.000 χ^2/NDF:9347761.6/37

All: 0.001+/-0.000 χ^2/NDF: 18939416.8/73



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: -0.005+/-0.013 χ^2/NDF:21.2/19

Left: -0.000+/-0.009 χ^2/NDF: 49.8/39

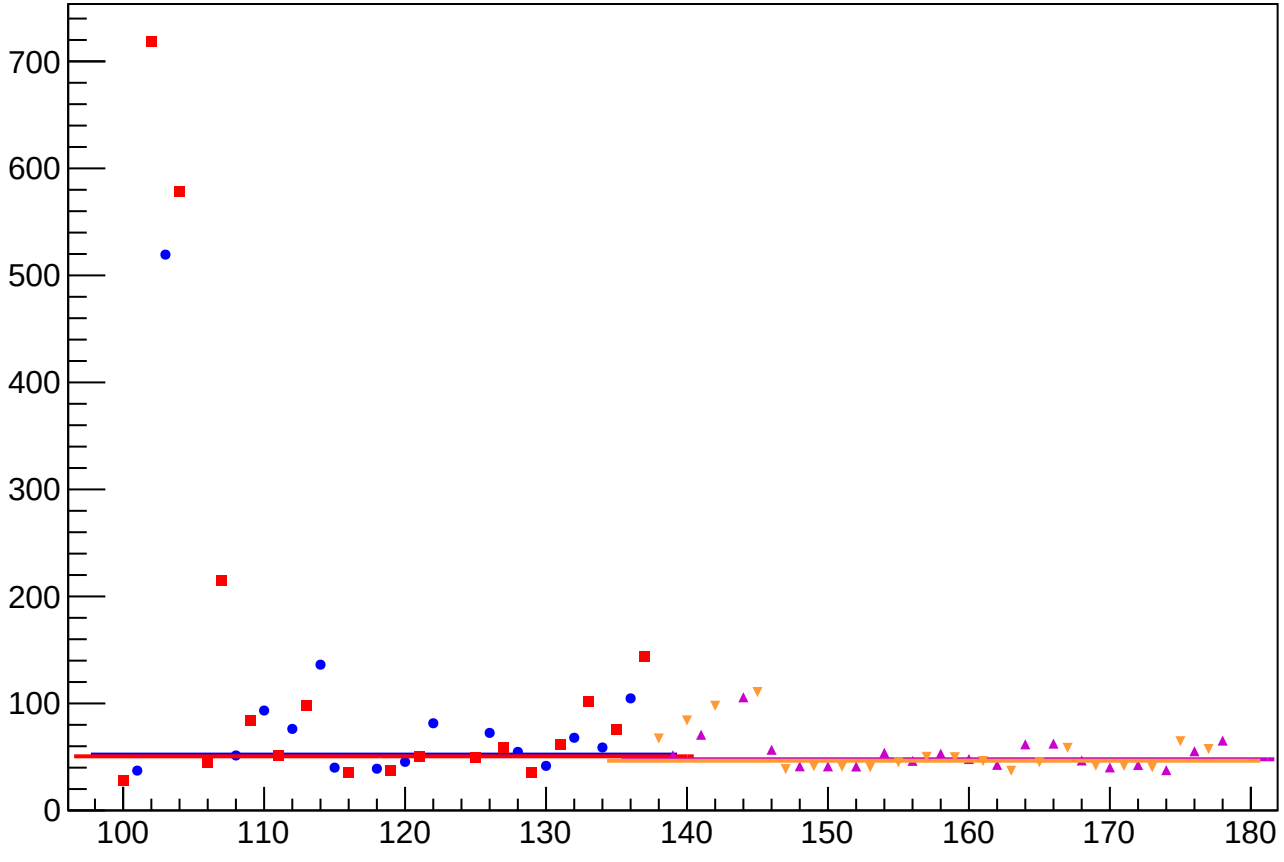
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.008+/-0.011 χ^2/NDF:34.6/35

Out: 0.002+/-0.011 χ^2/NDF:41.0/37

All: -0.003+/-0.008 χ^2/NDF: 75.9/73

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: 47.830+/-0.009 χ^2/NDF:1316040.3/19

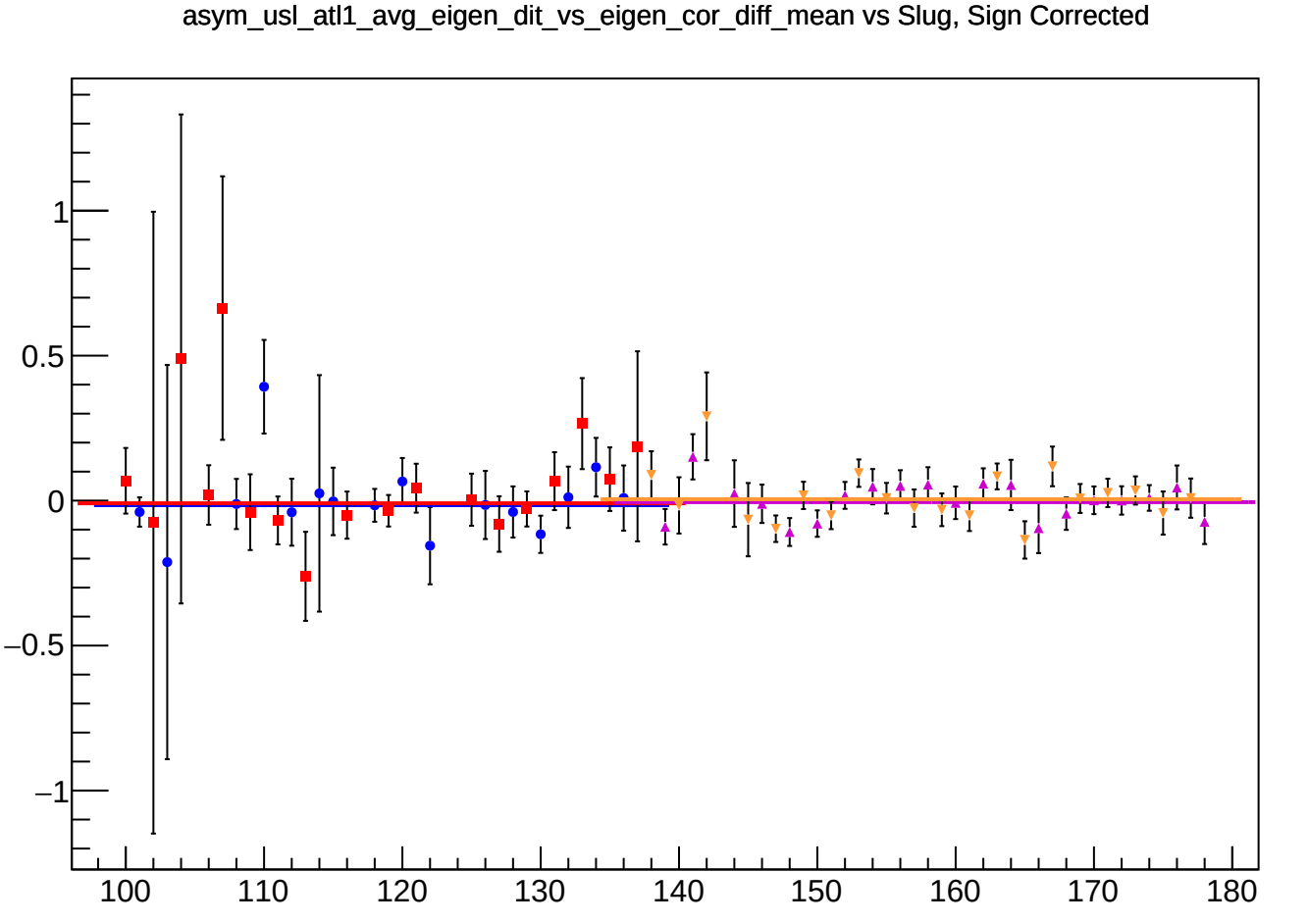
Left: 47.152+/-0.006 χ^2/NDF: 3053185.5/39

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 48.902+/-0.008 χ^2/NDF:3638897.7/35

Out: 47.422+/-0.008 χ^2/NDF:4824131.1/37

All: 48.167+/-0.006 χ^2/NDF: 8480301.9/73



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: -0.005+/-0.013 χ^2/NDF:21.2/19

Left: -0.000+/-0.009 χ^2/NDF: 49.8/39

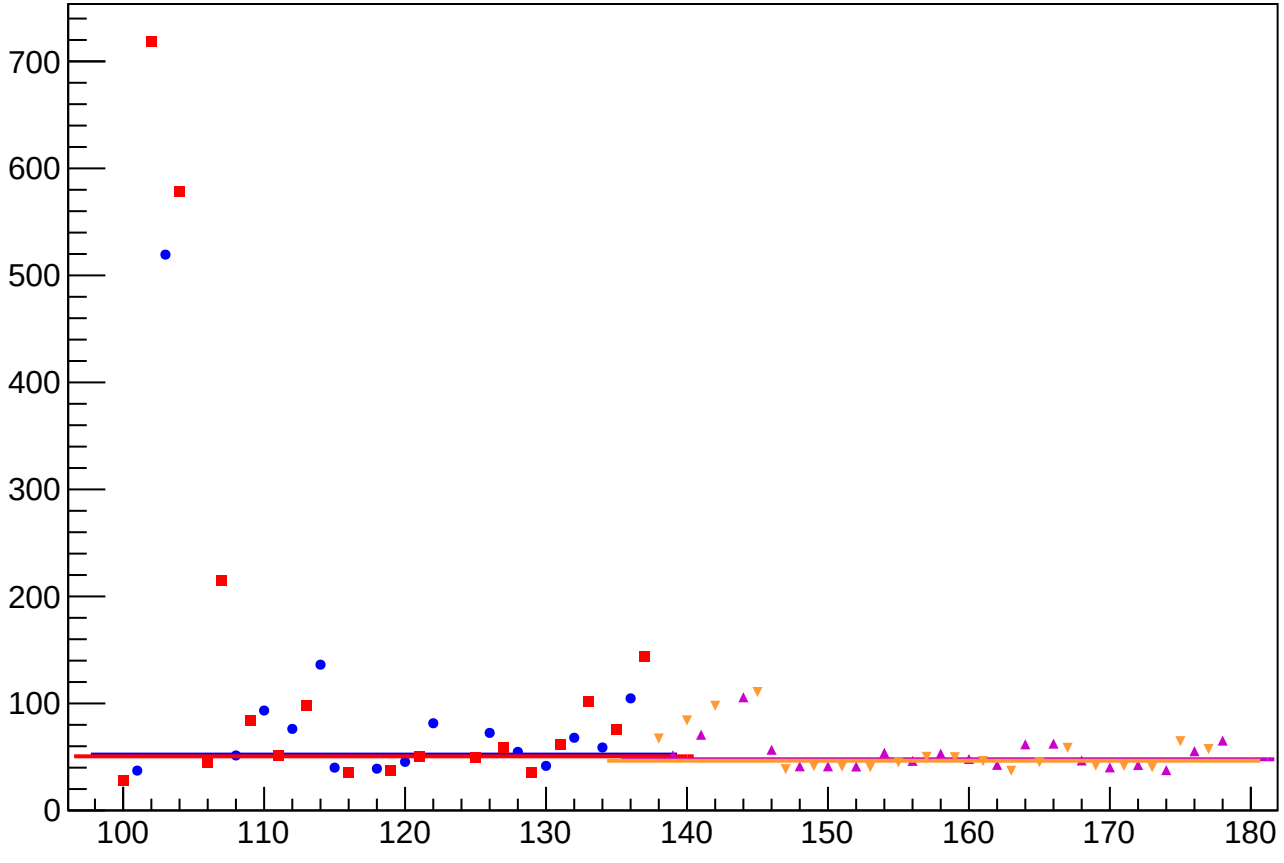
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.008+/-0.011 χ^2/NDF:34.6/35

Out: 0.002+/-0.011 χ^2/NDF:41.0/37

All: -0.003+/-0.008 χ^2/NDF: 75.9/73

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: 47.830+/-0.009 χ^2/NDF:1316040.3/19

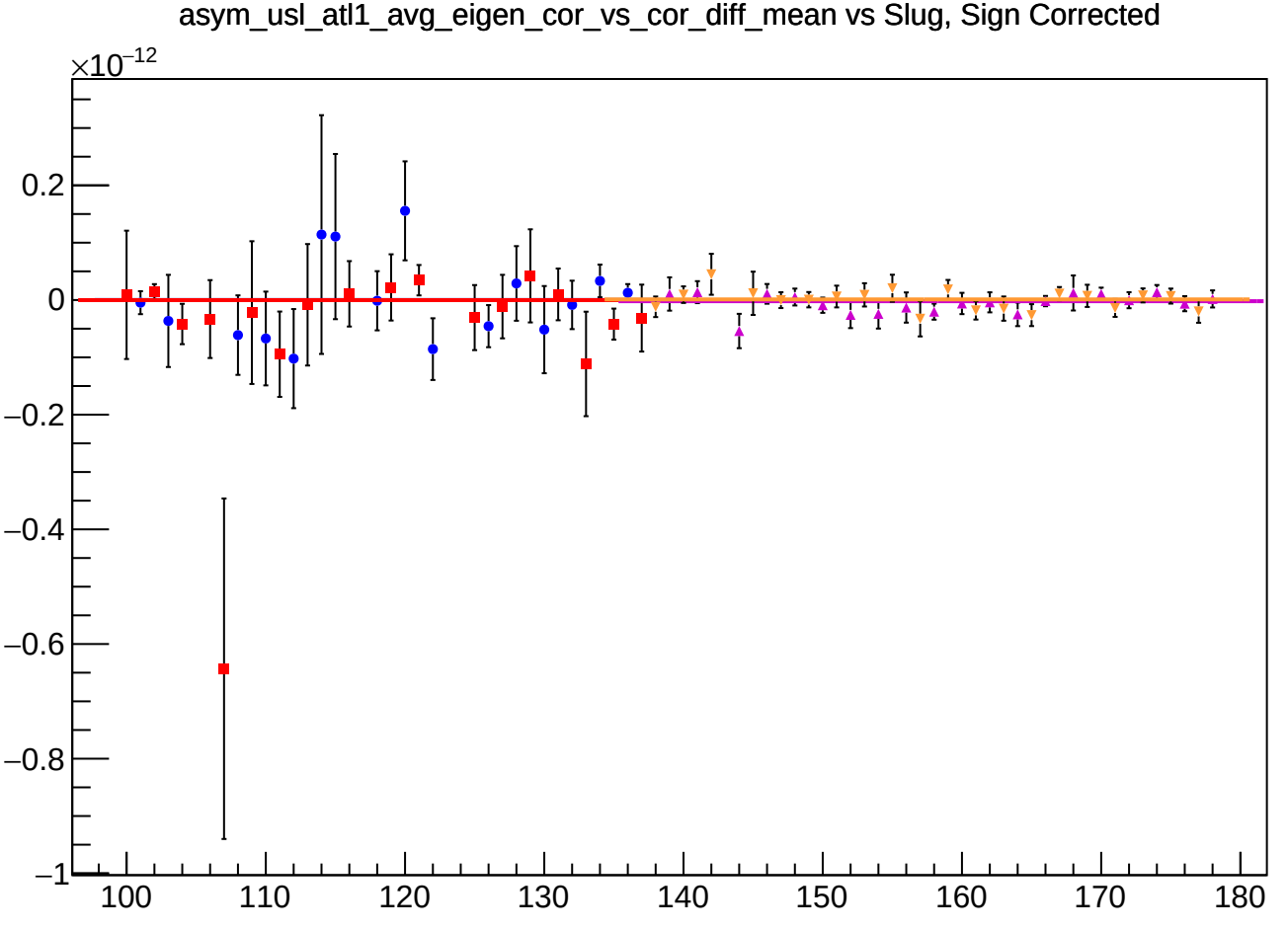
Left: 47.152+/-0.006 χ^2/NDF: 3053185.5/39

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 48.902+/-0.008 χ^2/NDF:3638897.7/35

Out: 47.422+/-0.008 χ^2/NDF:4824131.1/37

All: 48.167+/-0.006 χ^2/NDF: 8480301.9/73



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:13.2/19

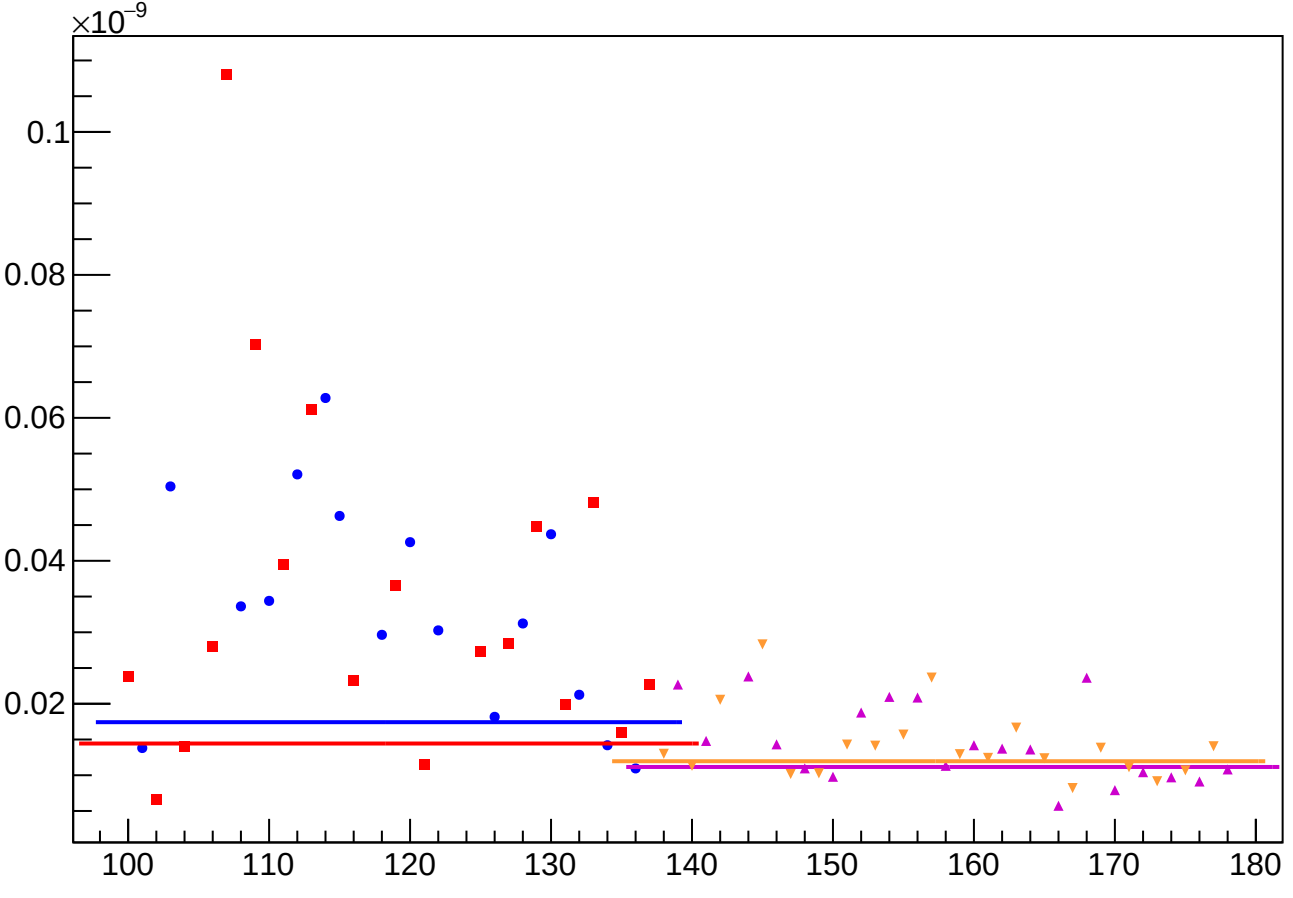
Left: -0.000+/-0.000 χ^2/NDF: 26.7/39

Right: -0.000+/-0.000 χ^2/NDF: 30.1/33

In: -0.000+/-0.000 χ^2/NDF:27.3/35

Out: 0.000+/-0.000 χ^2/NDF:29.1/37

All: -0.000+/-0.000 χ^2/NDF: 56.8/73



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:3060684.1/19

Left: 0.000+/-0.000 χ^2/NDF: 4558466.6/39

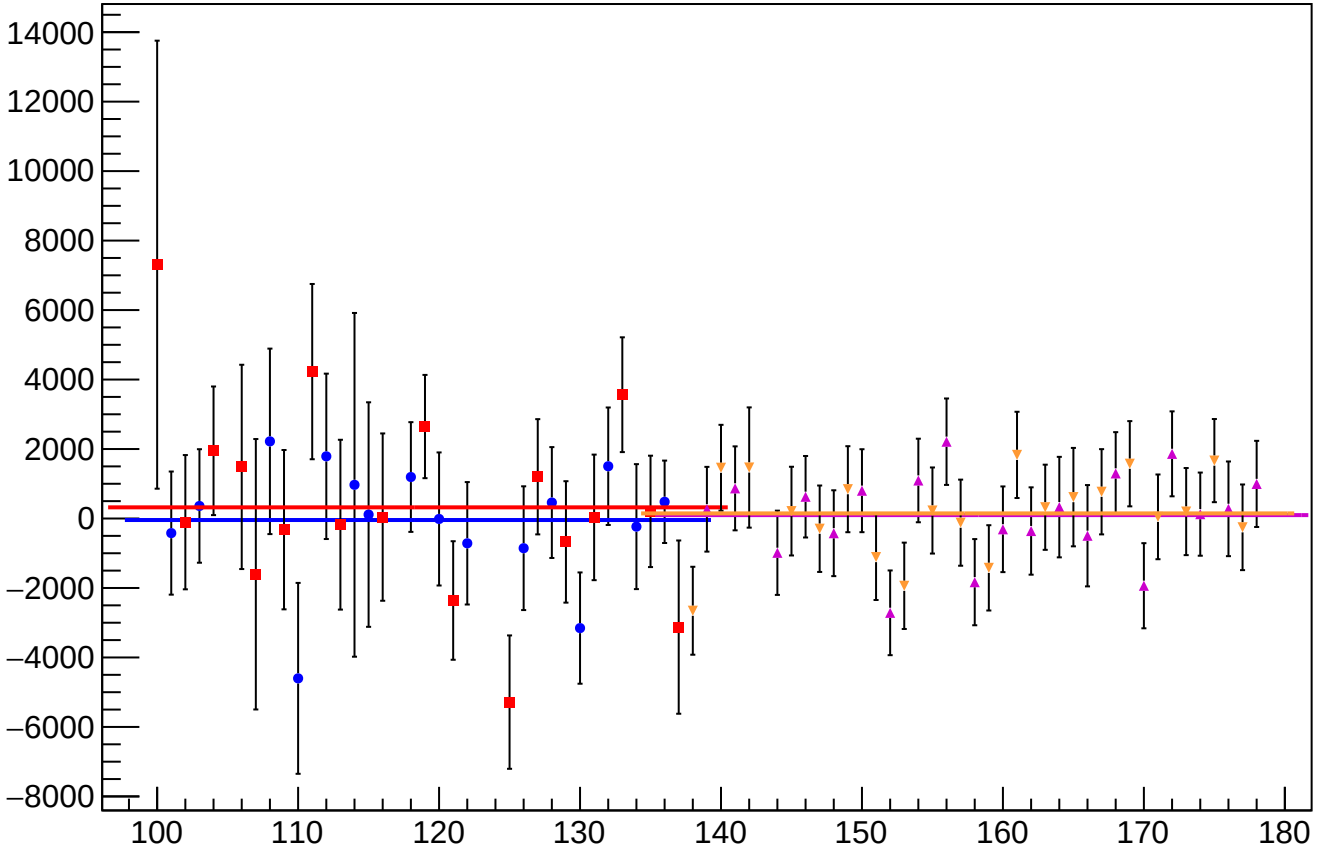
Right: 0.000+/-0.000 χ^2/NDF: 5591516.4/33

In: 0.000+/-0.000 χ^2/NDF:6065746.3/35

Out: 0.000+/-0.000 χ^2/NDF:4840743.2/37

All: 0.000+/-0.000 χ^2/NDF: 10920723.3/73

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: 97.670+/-277.888 χ^2/NDF:20.1/19

Left: 121.985+/-197.835 χ^2/NDF: 38.0/39

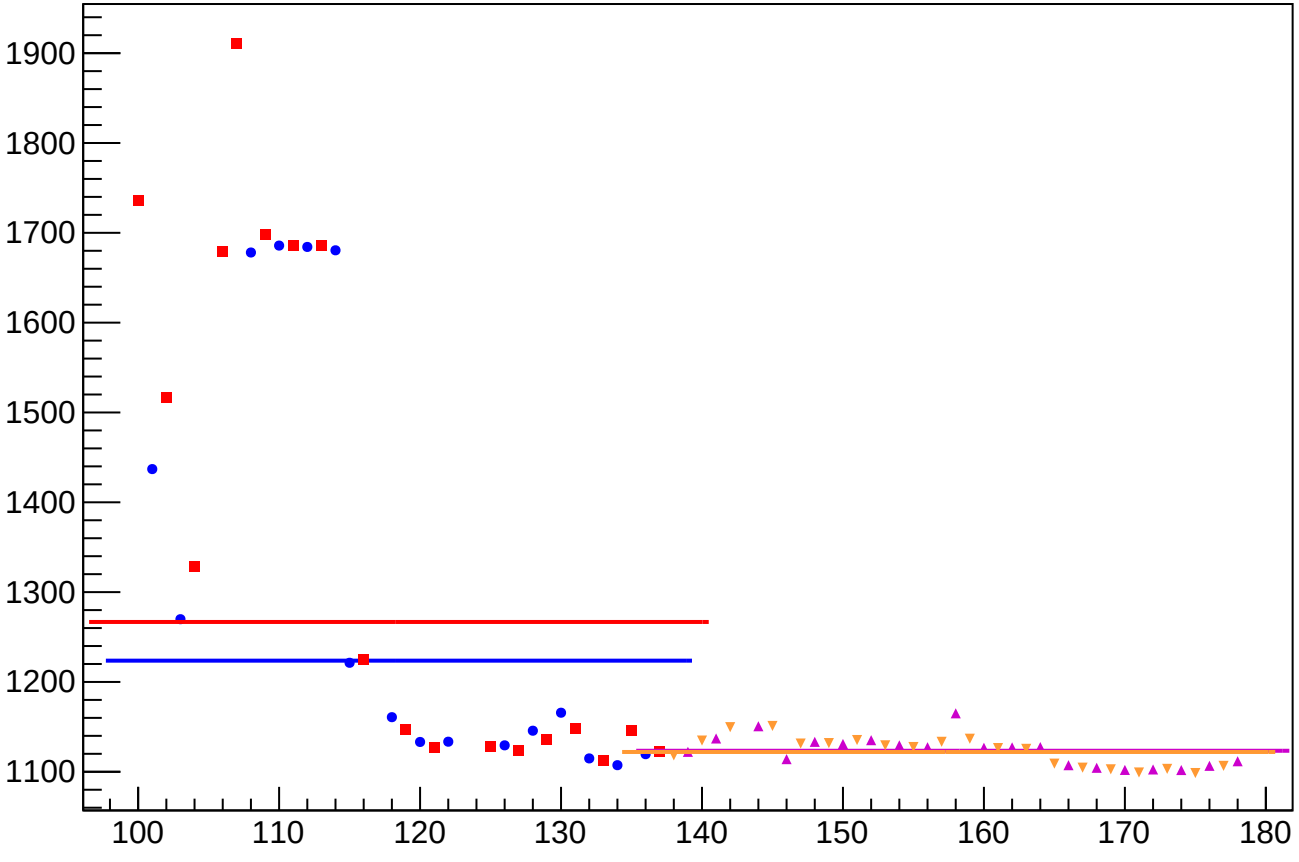
Right: 132.654+/-330.136 χ^2/NDF: 35.2/33

In: 59.783+/-237.747 χ^2/NDF:30.3/35

Out: 192.337+/-242.296 χ^2/NDF:42.8/37

All: 124.804+/-169.698 χ^2/NDF: 73.2/73

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1122.047+/-0.199 χ^2/NDF:6151.1/19

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

Left In: 1123.388+/-0.196 χ^2/NDF:7232.8/19

Left: 1122.727+/-0.140 χ^2/NDF: 13406.9/39

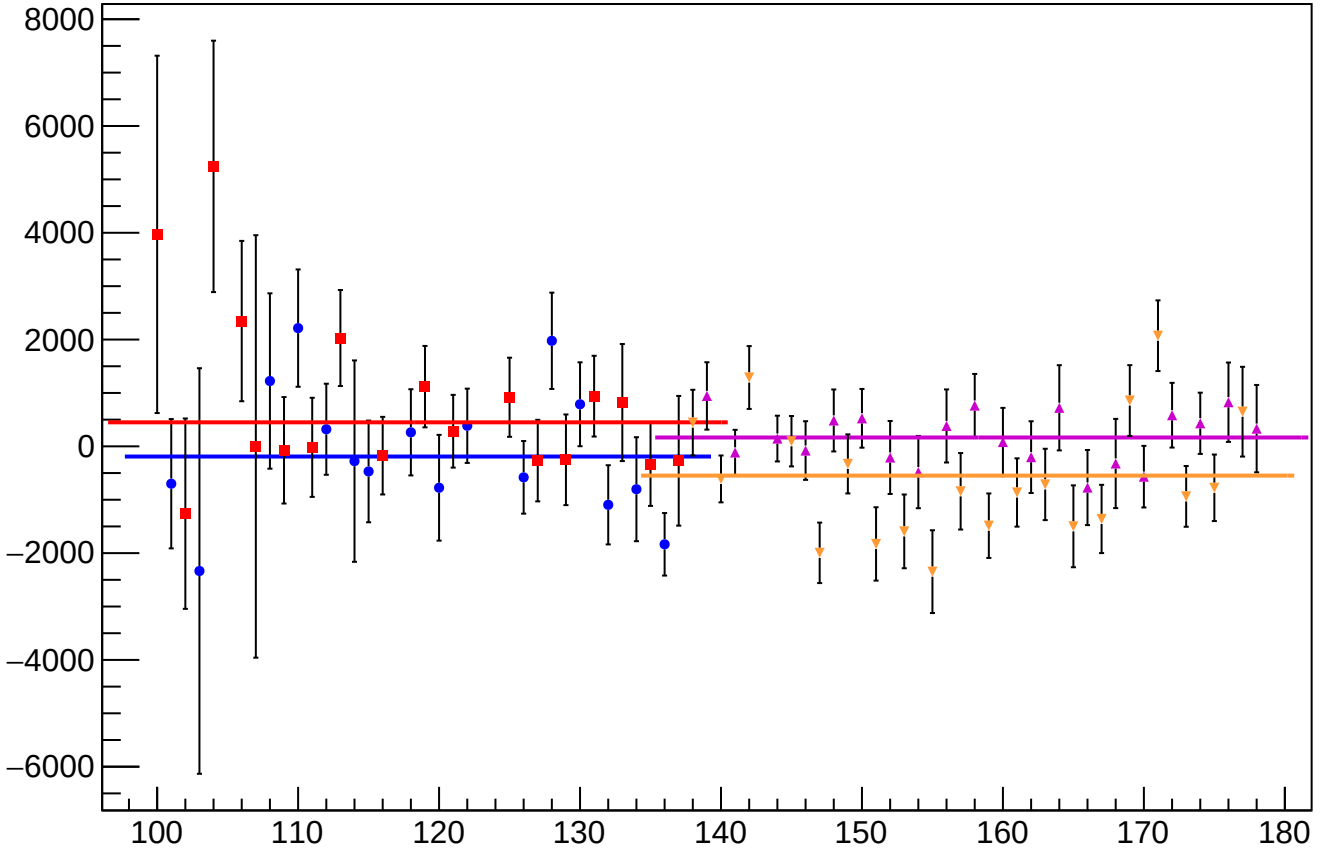
Right: 1244.518+/-0.233 χ^2/NDF: 736313.8/33

In: 1150.276+/-0.168 χ^2/NDF:372058.9/35

Out: 1159.716+/-0.171 χ^2/NDF:576388.9/37

All: 1154.907+/-0.120 χ^2/NDF: 949994.4/73

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: 165.857+/-135.831 χ^2/NDF:11.3/19

Left: -185.909+/-96.741 χ^2/NDF: 85.8/39

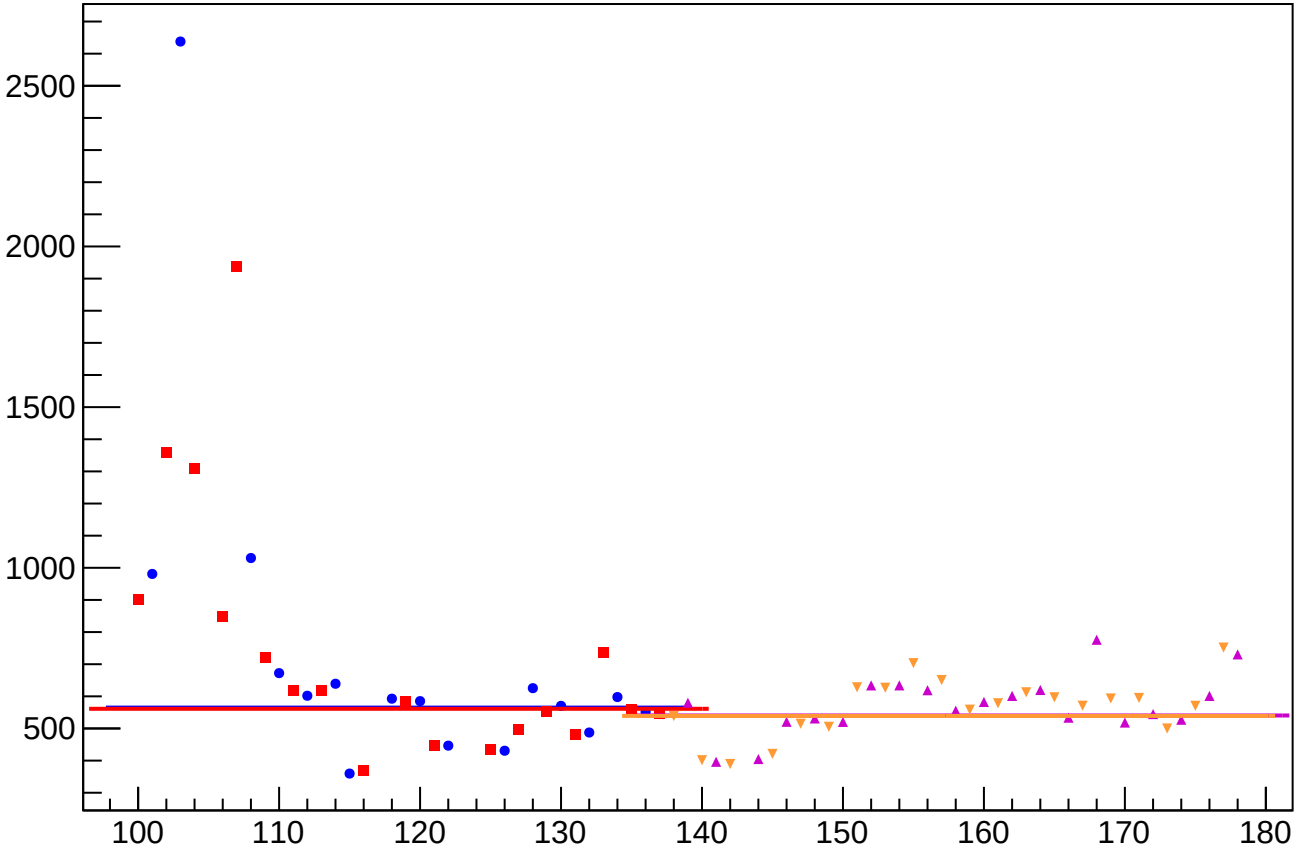
Right: 129.127+/-157.710 χ^2/NDF: 46.2/33

In: 69.303+/-115.987 χ^2/NDF:38.4/35

Out: -272.603+/-117.263 χ^2/NDF:92.2/37

All: -99.779+/-82.463 χ^2/NDF: 134.9/73

asym_usl_atl1_dd_reg_correction_rms vs Slug, Sign Corrected



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: 540.454+/-0.096 χ^2/NDF:878603.3/19

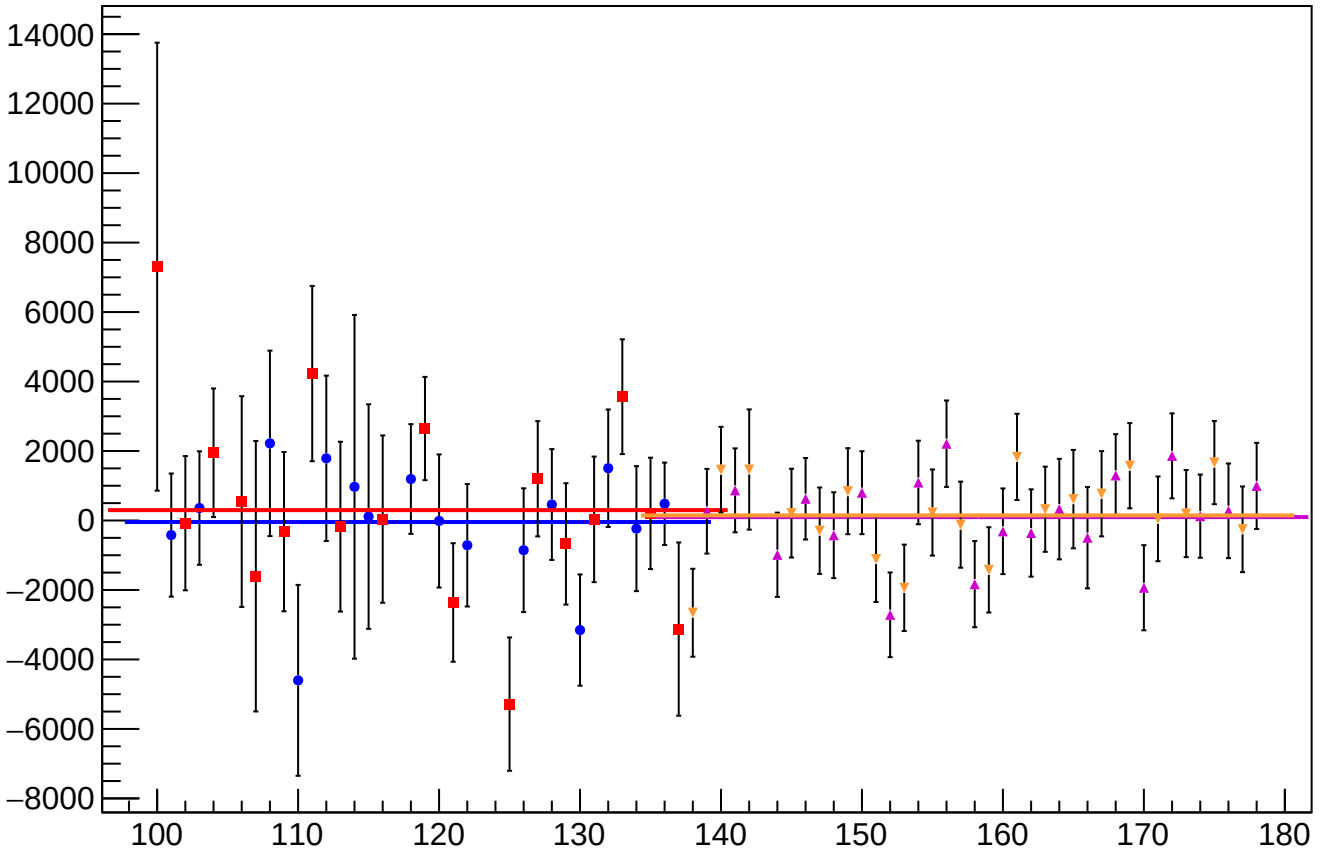
Left: 539.765+/-0.068 χ^2/NDF: 1766833.3/39

Right: 563.104+/-0.112 χ^2/NDF: 2636995.6/33

In: 547.091+/-0.082 χ^2/NDF:2180712.2/35

Out: 545.180+/-0.083 χ^2/NDF:2254672.7/37

All: 546.146+/-0.058 χ^2/NDF: 4435653.4/73



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: 97.662+/-277.888 χ^2/NDF:20.1/19

Left: 122.008+/-197.835 χ^2/NDF: 38.0/39

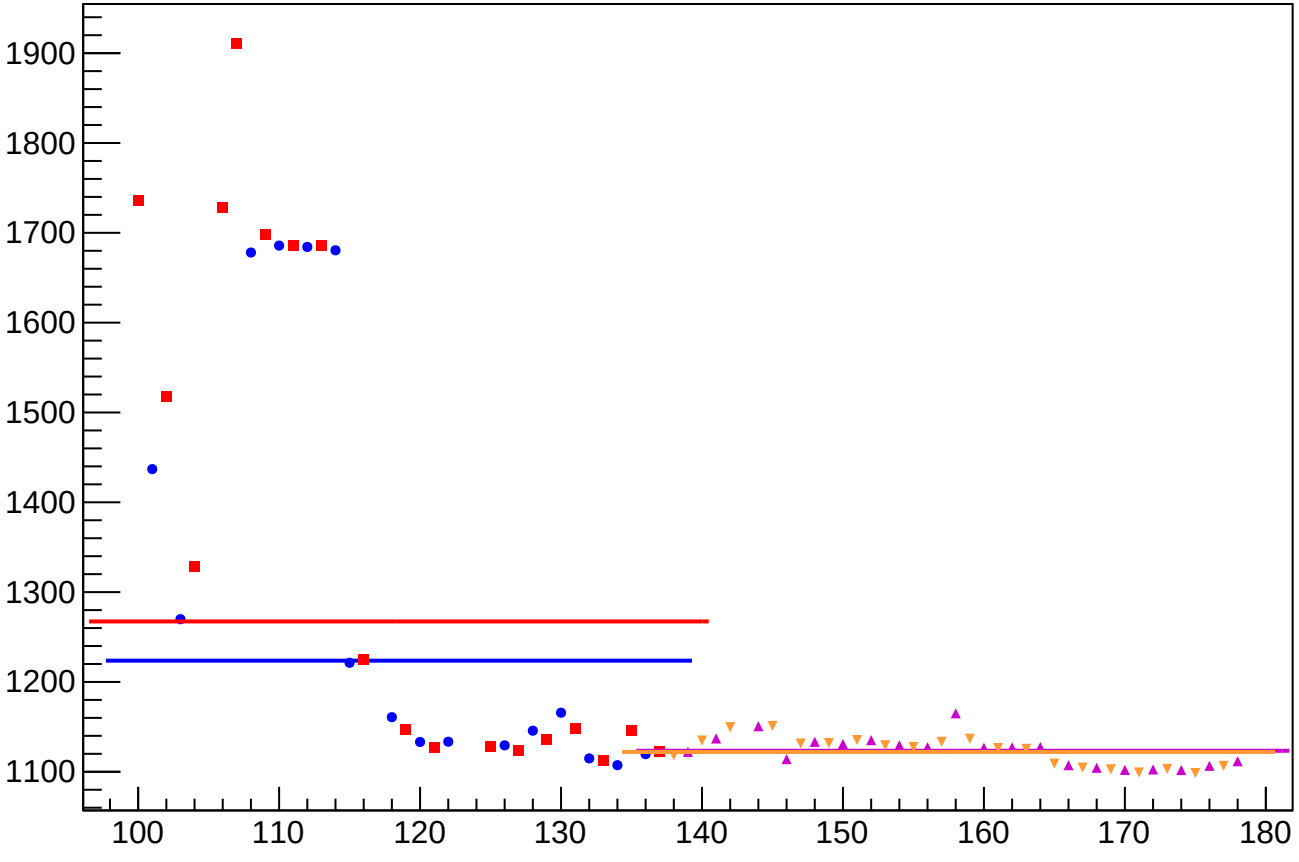
Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: 59.713+/-237.747 χ^2/NDF:30.3/35

Out: 186.330+/-242.346 χ^2/NDF:42.6/37

All: 121.808+/-169.715 χ^2/NDF: 73.0/73

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1122.047+/-0.199 χ^2/NDF:6151.1/19

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1123.388+/-0.196 χ^2/NDF:7232.8/19

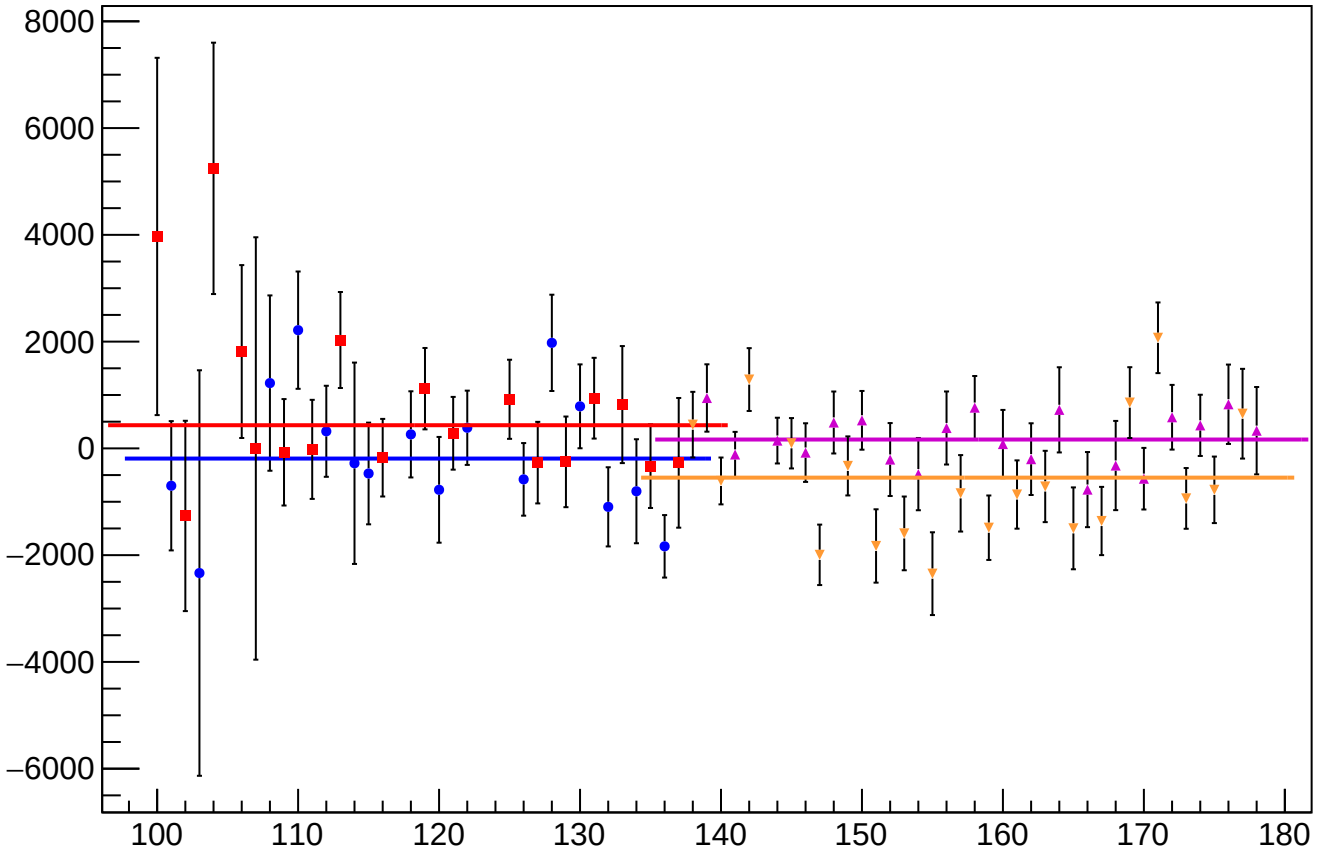
Left: 1122.727+/-0.140 χ^2/NDF: 13406.9/39

Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1150.276+/-0.168 χ^2/NDF:372059.0/35

Out: 1159.824+/-0.171 χ^2/NDF:584473.9/37

All: 1154.958+/-0.120 χ^2/NDF: 958114.7/73



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: 165.841+/-135.830 χ^2/NDF:11.3/19

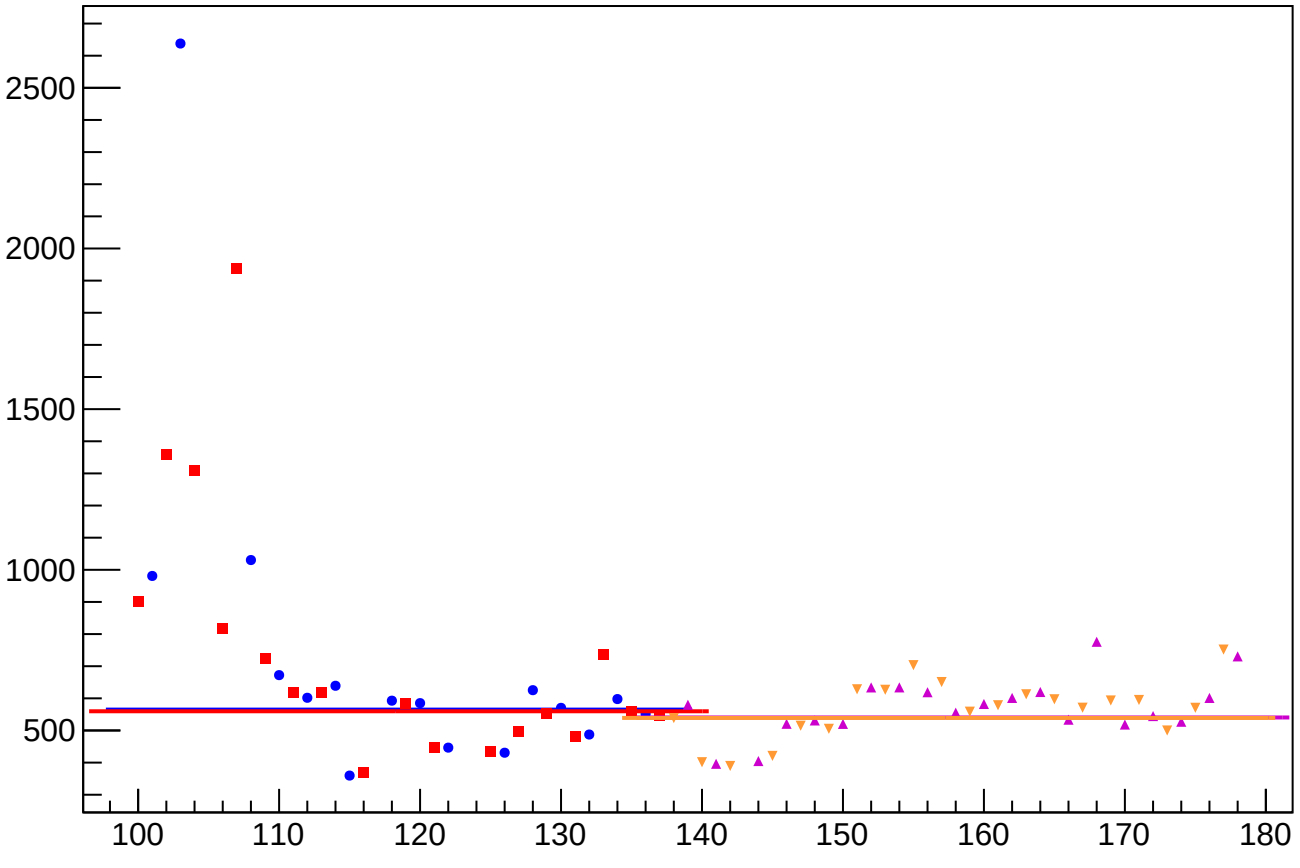
Left: -185.925+/-96.740 χ^2/NDF: 85.8/39

Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 69.289+/-115.986 χ^2/NDF:38.4/35

Out: -277.628+/-117.313 χ^2/NDF:90.8/37

All: -102.197+/-82.480 χ^2/NDF: 133.6/73



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: 540.453+/-0.096 χ^2/NDF:878544.3/19

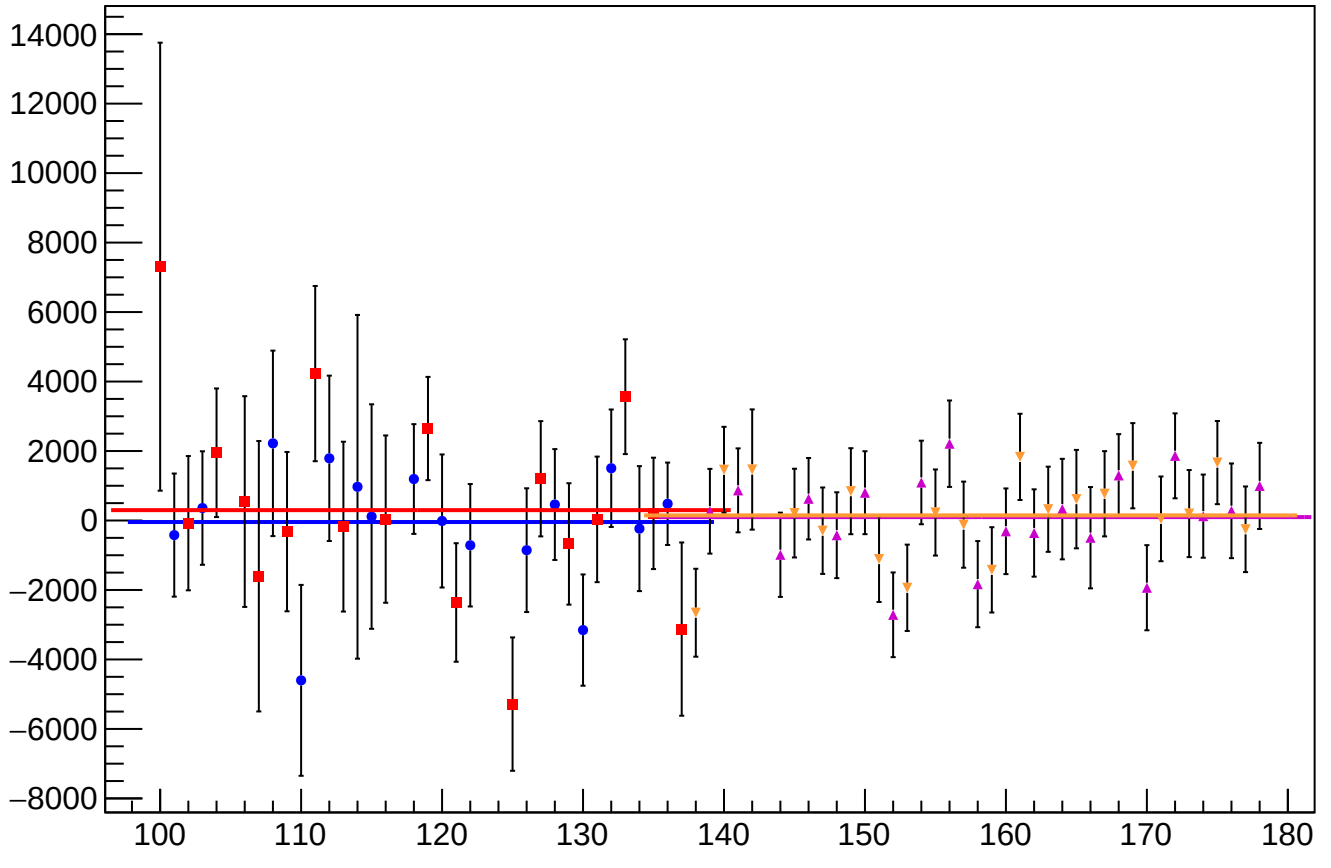
Left: 539.764+/-0.068 χ^2/NDF: 1766768.6/39

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 547.089+/-0.082 χ^2/NDF:2180625.5/35

Out: 544.756+/-0.083 χ^2/NDF:2229907.2/37

All: 545.936+/-0.058 χ^2/NDF: 4410932.6/73



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: 97.662+/-277.888 χ^2/NDF:20.1/19

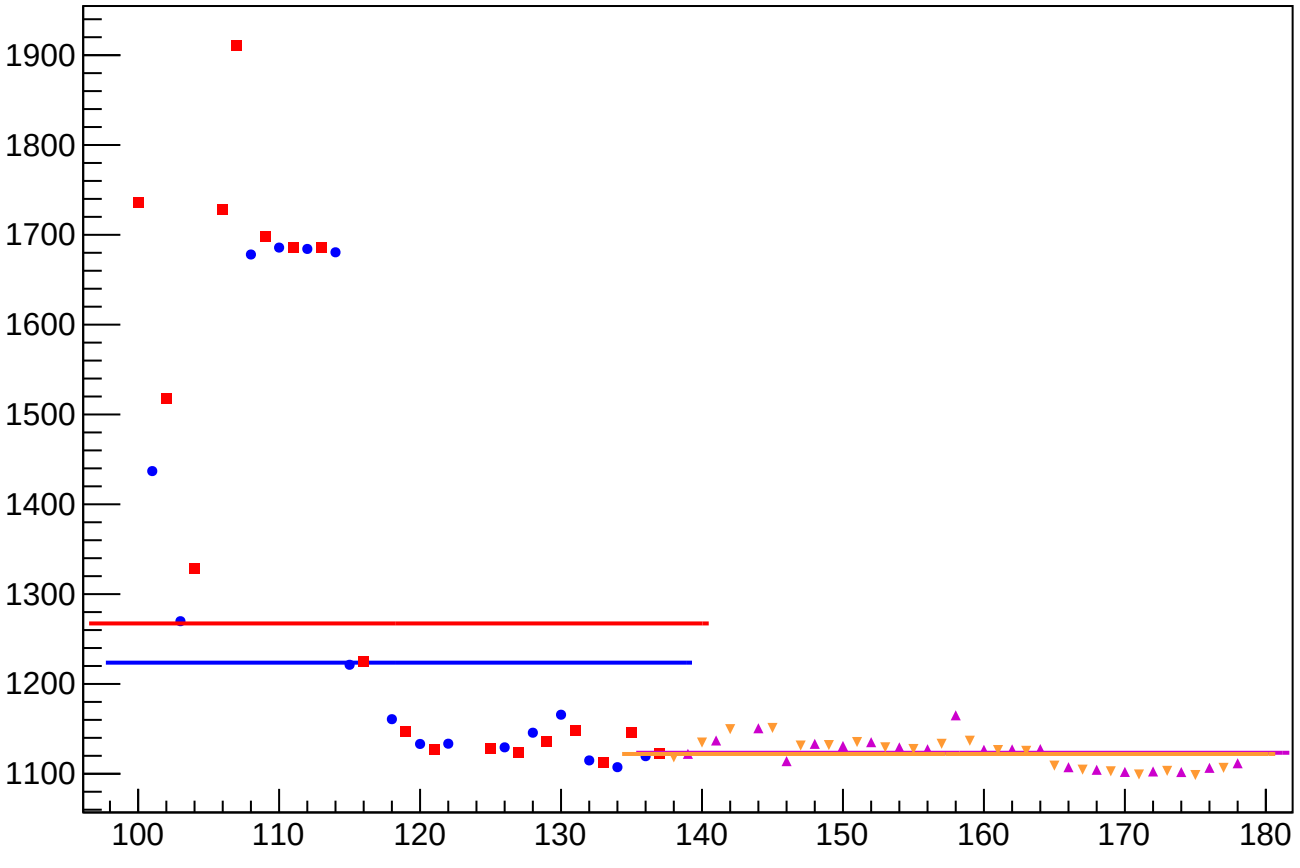
Left: 122.008+/-197.835 χ^2/NDF: 38.0/39

Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: 59.713+/-237.747 χ^2/NDF:30.3/35

Out: 186.330+/-242.346 χ^2/NDF:42.6/37

All: 121.808+/-169.715 χ^2/NDF: 73.0/73



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: 1123.388+/-0.196 χ^2/NDF:7232.8/19

Left: 1122.727+/-0.140 χ^2/NDF: 13406.9/39

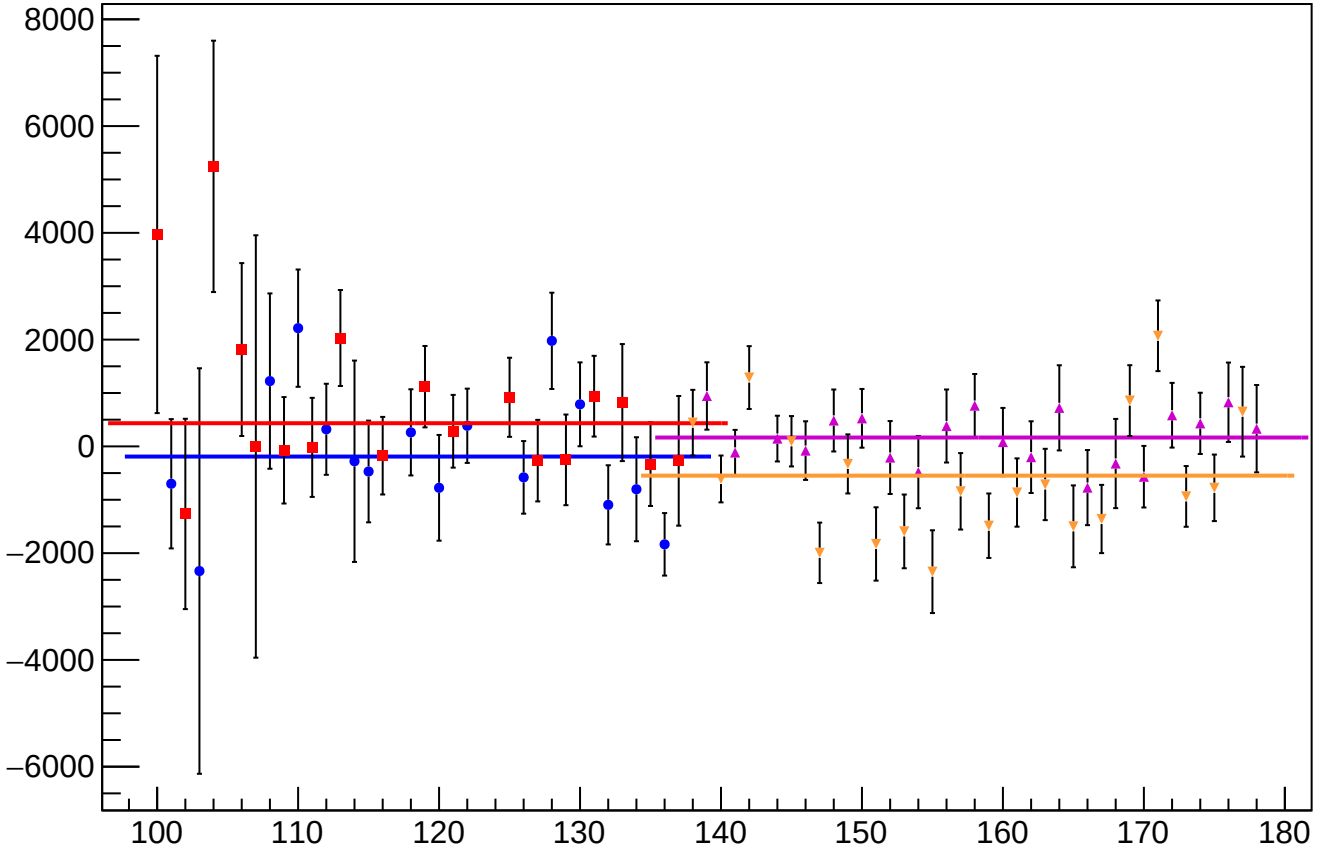
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1150.276+/-0.168 χ^2/NDF:372059.0/35

Out: 1159.824+/-0.171 χ^2/NDF:584473.9/37

All: 1154.958+/-0.120 χ^2/NDF: 958114.7/73

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: 165.841+/-135.830 χ^2/NDF:11.3/19

Left: -185.925+/-96.740 χ^2/NDF: 85.8/39

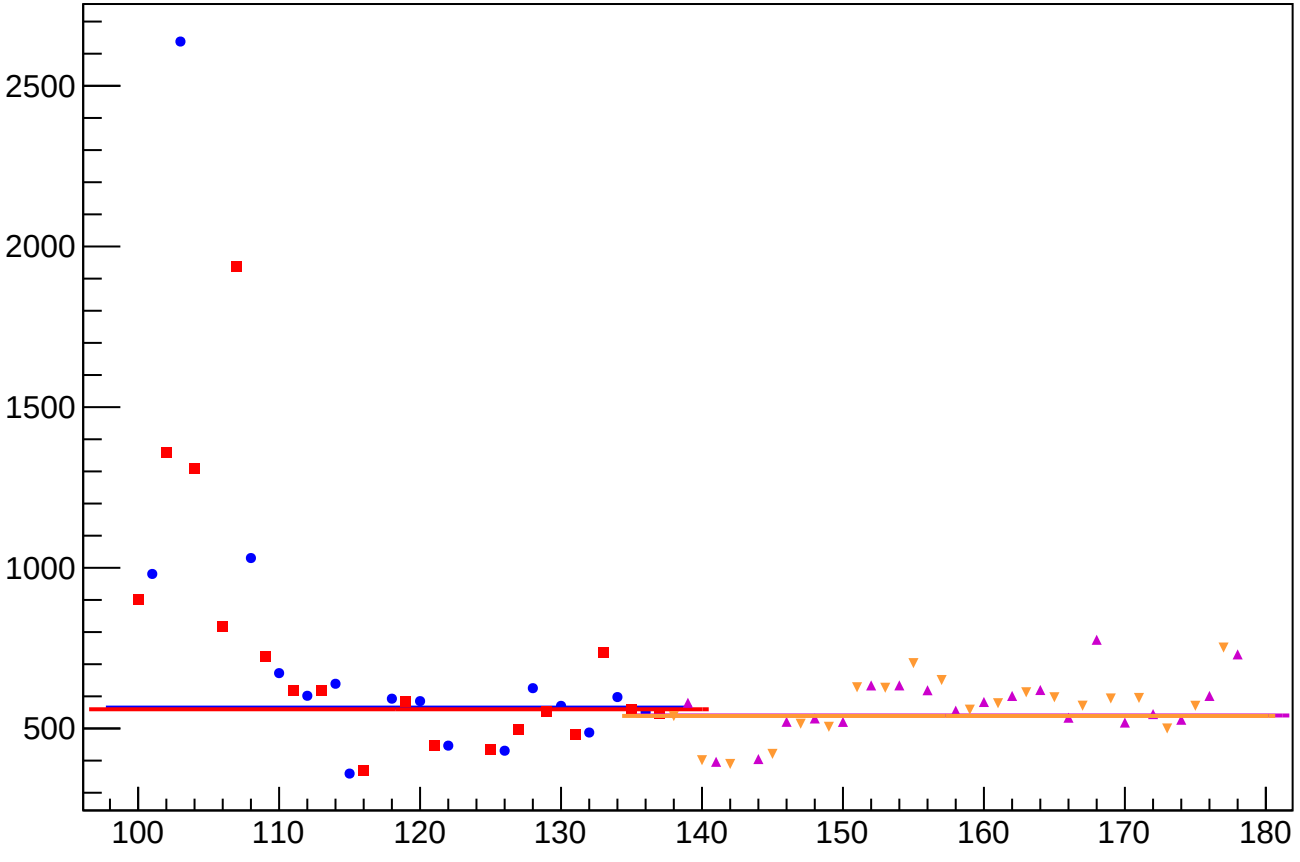
Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 69.289+/-115.986 χ^2/NDF:38.4/35

Out: -277.628+/-117.313 χ^2/NDF:90.8/37

All: -102.197+/-82.480 χ^2/NDF: 133.6/73

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: 540.453+/-0.096 χ^2/NDF:878544.3/19

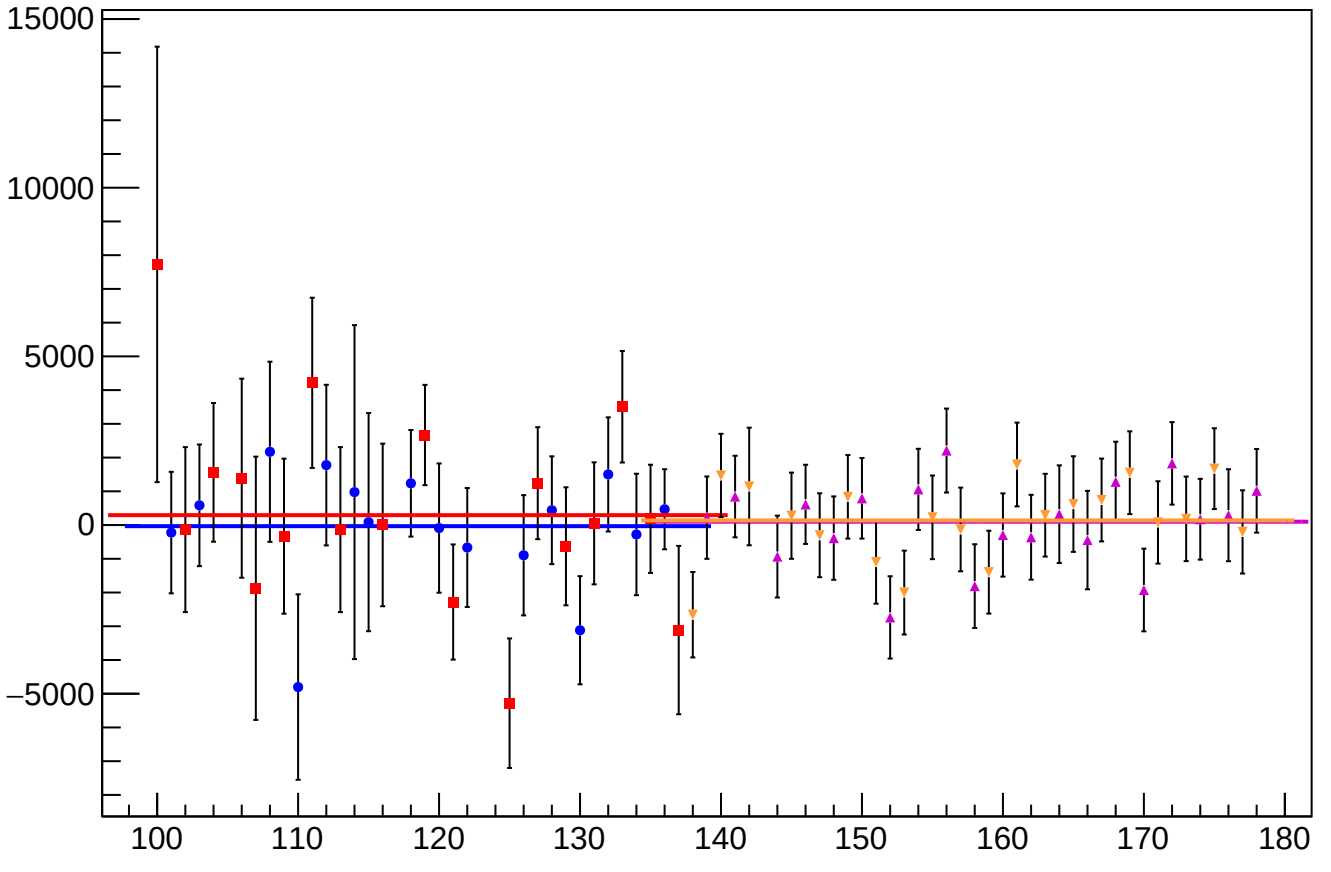
Left: 539.764+/-0.068 χ^2/NDF: 1766768.6/39

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 547.089+/-0.082 χ^2/NDF:2180625.5/35

Out: 544.756+/-0.083 χ^2/NDF:2229907.2/37

All: 545.936+/-0.058 χ^2/NDF: 4410932.6/73



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: 99.360+/-278.003 χ^2/NDF:19.8/19

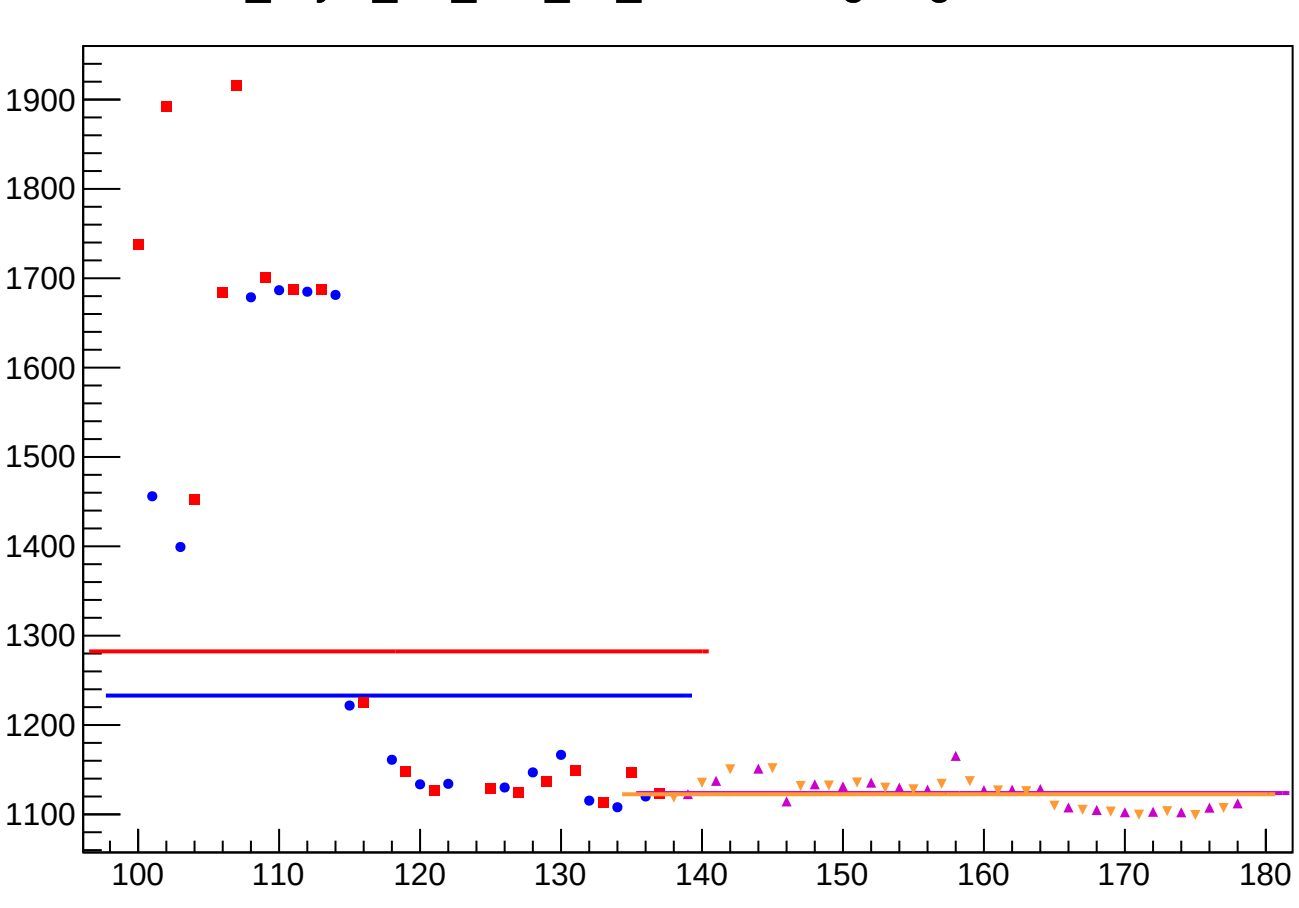
Left: 117.664+/-197.934 χ^2/NDF: 37.4/39

Right: 123.056+/-334.596 χ^2/NDF: 34.7/33

In: 64.294+/-238.369 χ^2/NDF:30.1/35

Out: 176.241+/-243.561 χ^2/NDF:41.9/37

All: 119.062+/-170.358 χ^2/NDF: 72.1/73



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: 1123.855+/-0.197 χ^2/NDF:7214.0/19

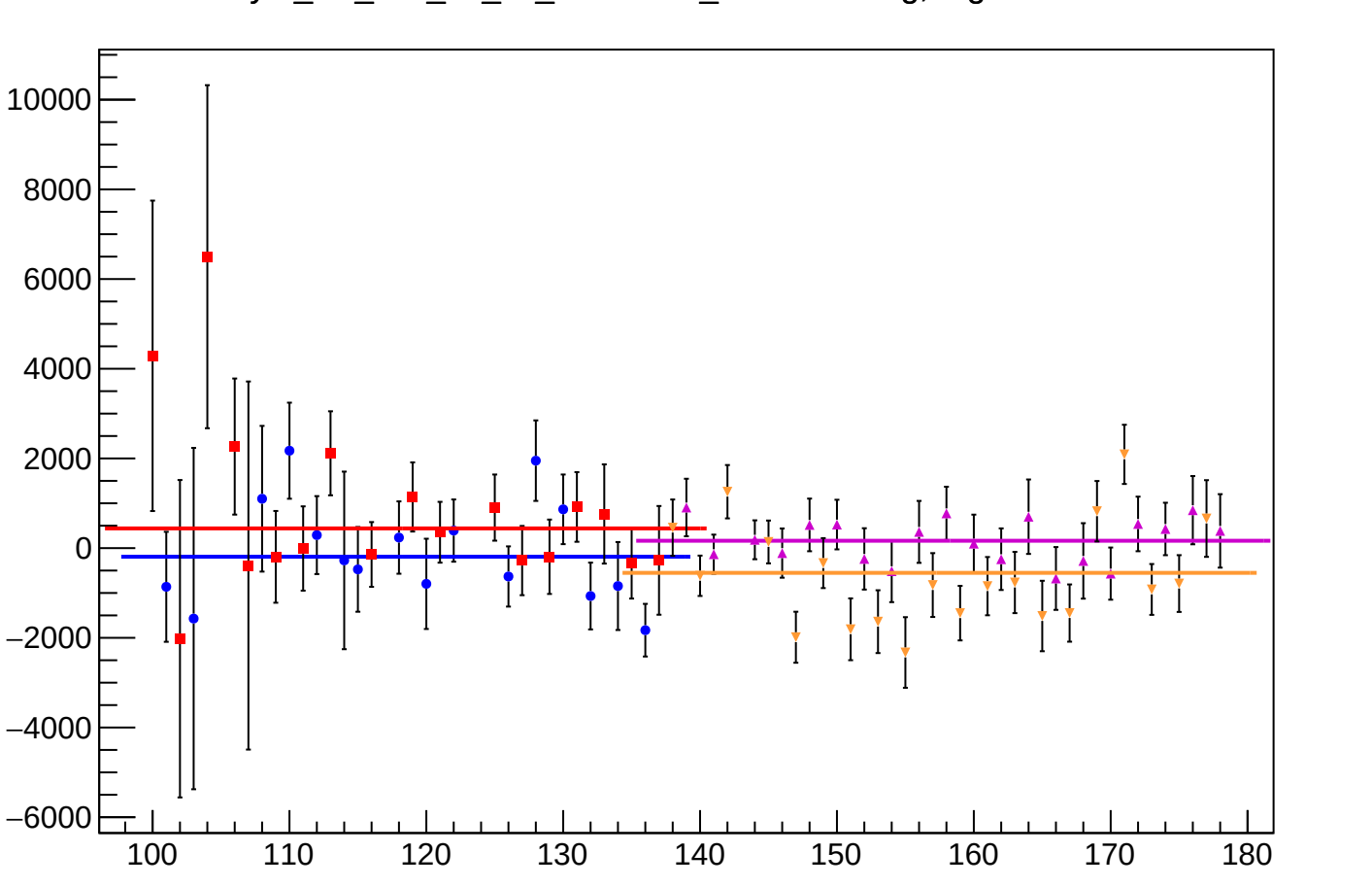
Left: 1123.193+/-0.140 χ^2/NDF: 13384.8/39

Right: 1256.610+/-0.237 χ^2/NDF: 869771.1/33

In: 1152.749+/-0.169 χ^2/NDF:404265.5/35

Out: 1163.030+/-0.172 χ^2/NDF:712625.1/37

All: 1157.779+/-0.120 χ^2/NDF: 1118711.0/73



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: 164.634+/-137.522 χ^2/NDF:10.9/19

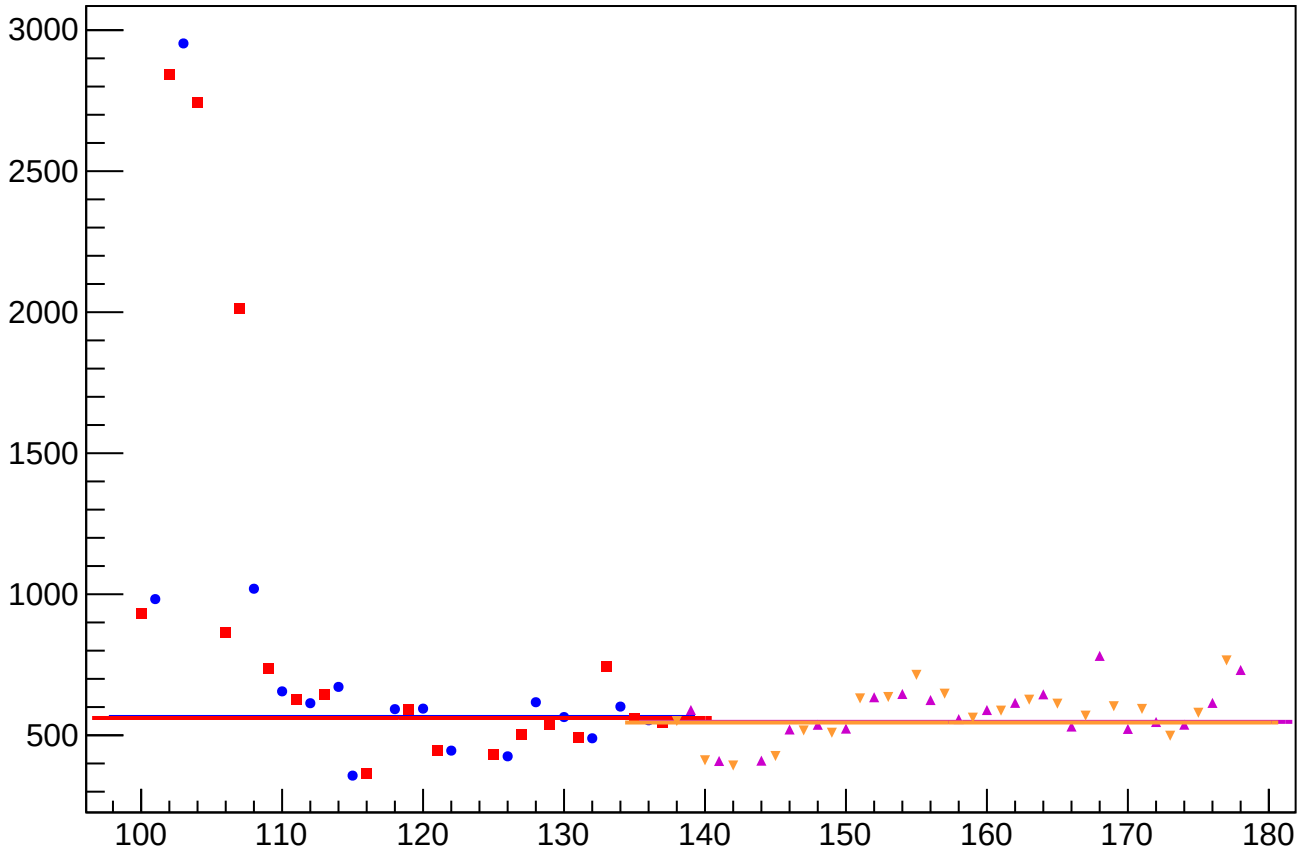
Left: -188.603+/-97.875 χ^2/NDF: 84.4/39

Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: 66.352+/-117.019 χ^2/NDF:38.0/35

Out: -279.366+/-118.687 χ^2/NDF:88.7/37

All: -104.061+/-83.329 χ^2/NDF: 131.0/73



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: 547.543+/-0.097 χ^2/NDF:852152.5/19

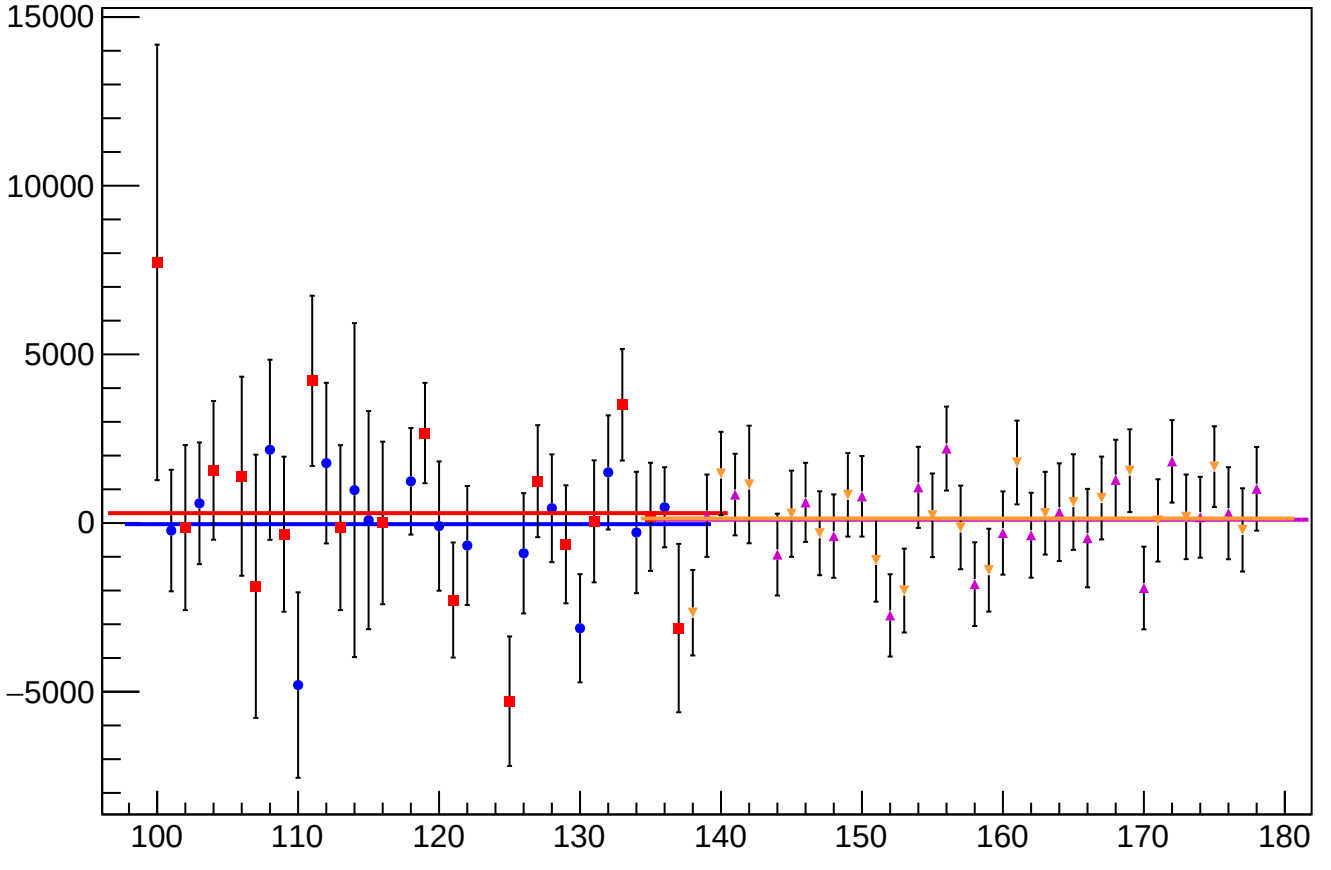
Left: 546.395+/-0.069 χ^2/NDF: 1728782.3/39

Right: 563.103+/-0.112 χ^2/NDF: 3754003.6/33

In: 552.325+/-0.083 χ^2/NDF:2341289.8/35

Out: 549.622+/-0.084 χ^2/NDF:3157005.8/37

All: 550.992+/-0.059 χ^2/NDF: 5498821.7/73



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: 99.361+/-278.003 χ^2/NDF:19.8/19

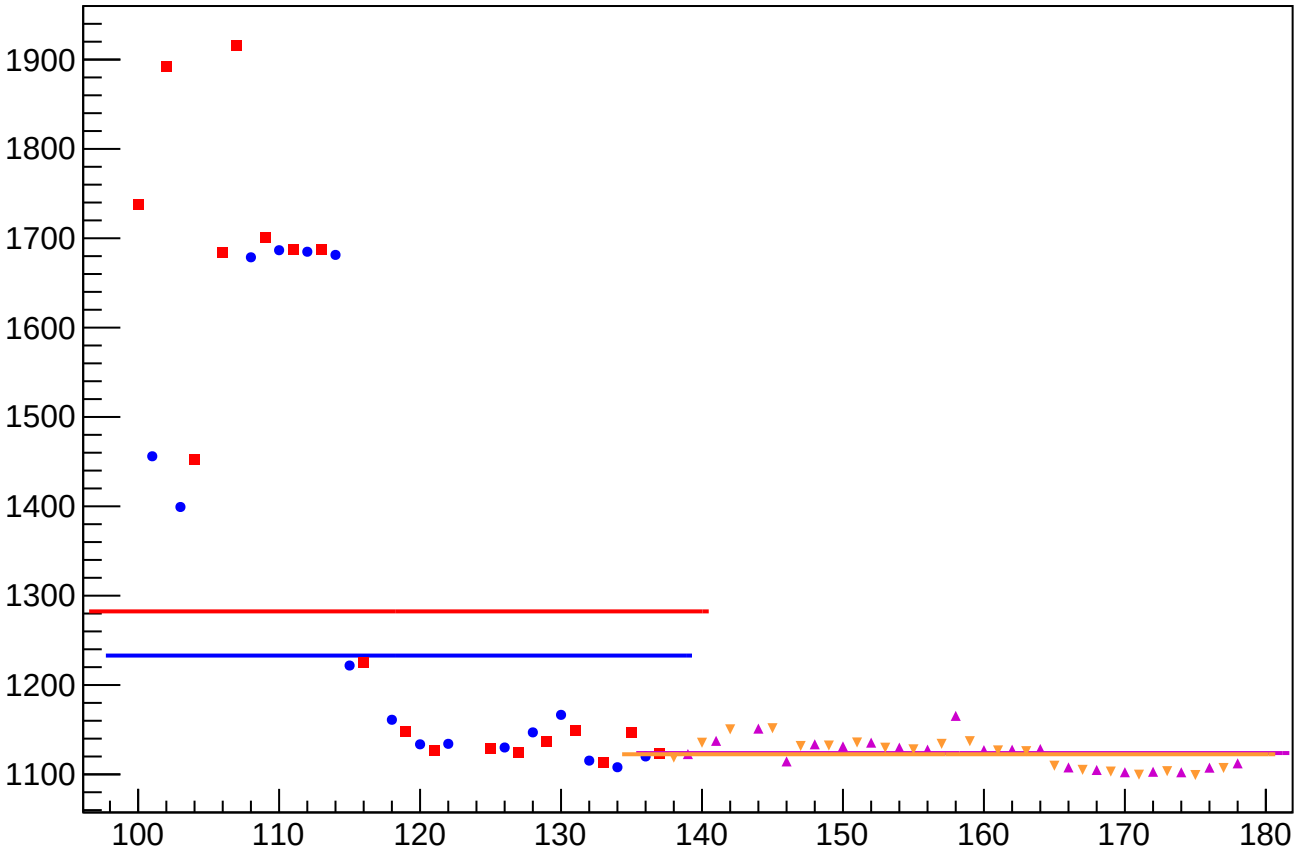
Left: 117.663+/-197.934 χ^2/NDF: 37.4/39

Right: 123.057+/-334.596 χ^2/NDF: 34.7/33

In: 64.294+/-238.369 χ^2/NDF:30.1/35

Out: 176.240+/-243.561 χ^2/NDF:41.9/37

All: 119.061+/-170.358 χ^2/NDF: 72.1/73



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: 1123.855+/-0.197 χ^2/NDF:7214.0/19

Left: 1123.193+/-0.140 χ^2/NDF: 13384.8/39

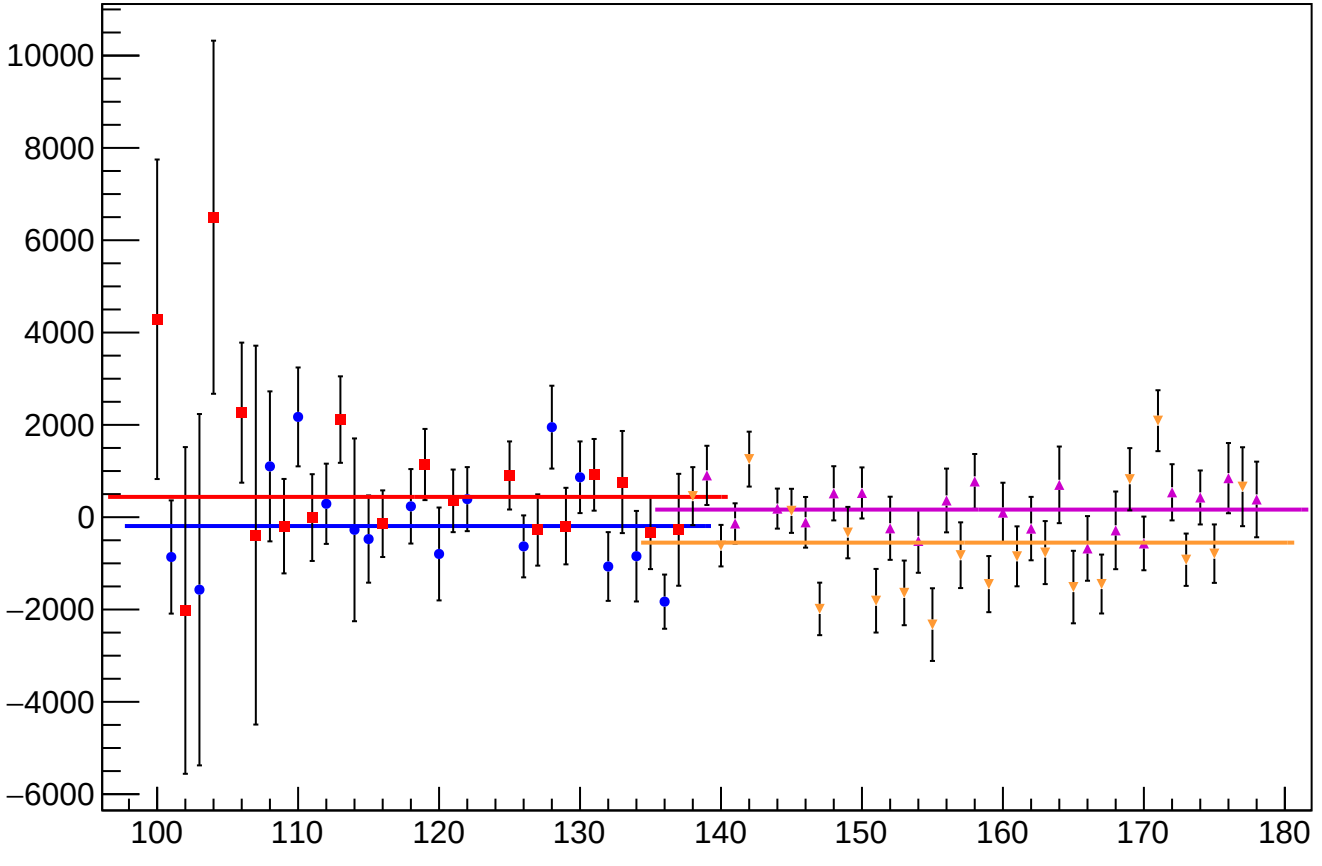
Right: 1256.610+/-0.237 χ^2/NDF: 869770.2/33

In: 1152.749+/-0.169 χ^2/NDF:404265.0/35

Out: 1163.030+/-0.172 χ^2/NDF:712624.4/37

All: 1157.779+/-0.120 χ^2/NDF: 1118709.8/73

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: 164.634+/-137.522 χ^2/NDF:10.9/19

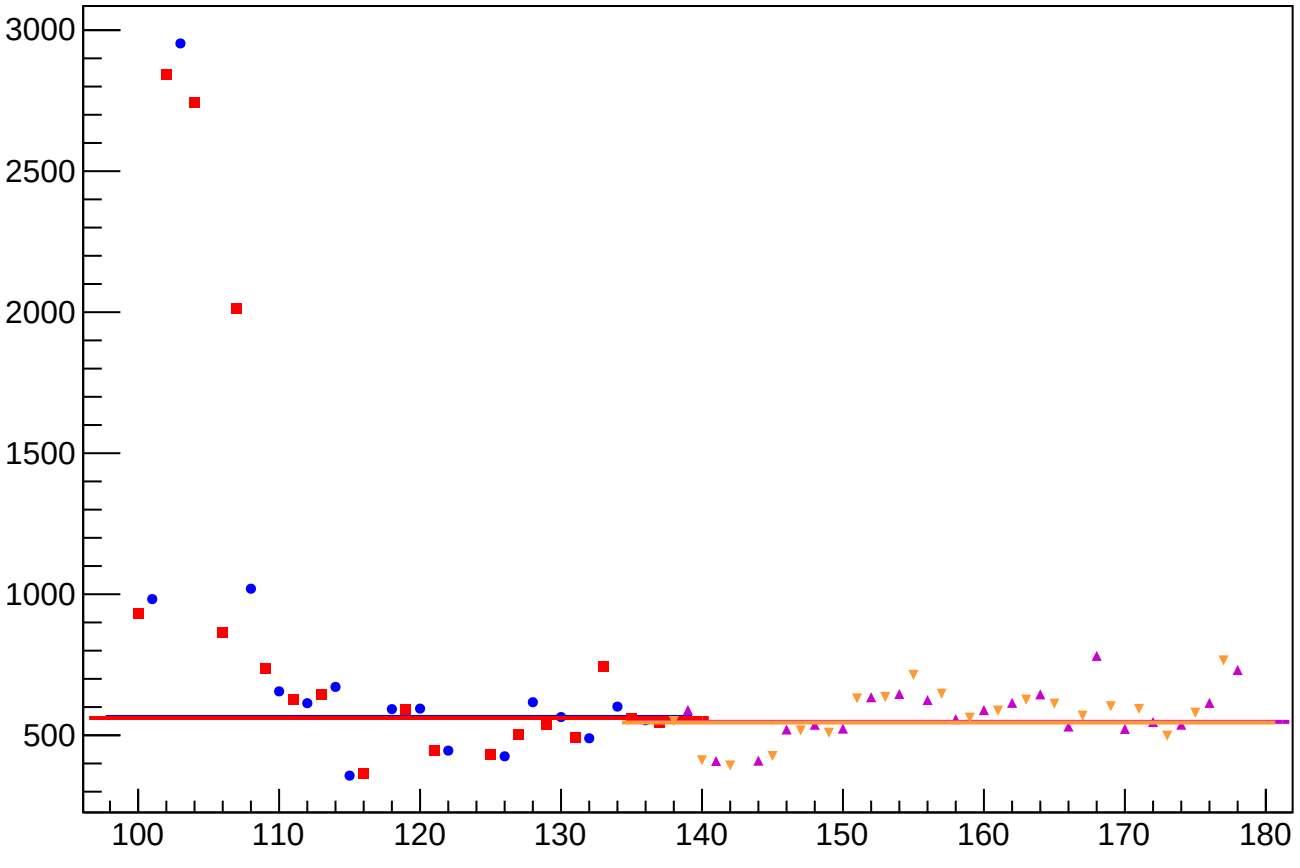
Left: -188.603+/-97.875 χ^2/NDF: 84.4/39

Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: 66.352+/-117.019 χ^2/NDF:38.0/35

Out: -279.365+/-118.687 χ^2/NDF:88.7/37

All: -104.060+/-83.328 χ^2/NDF: 131.0/73



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: 547.543+/-0.097 χ^2/NDF:852165.6/19

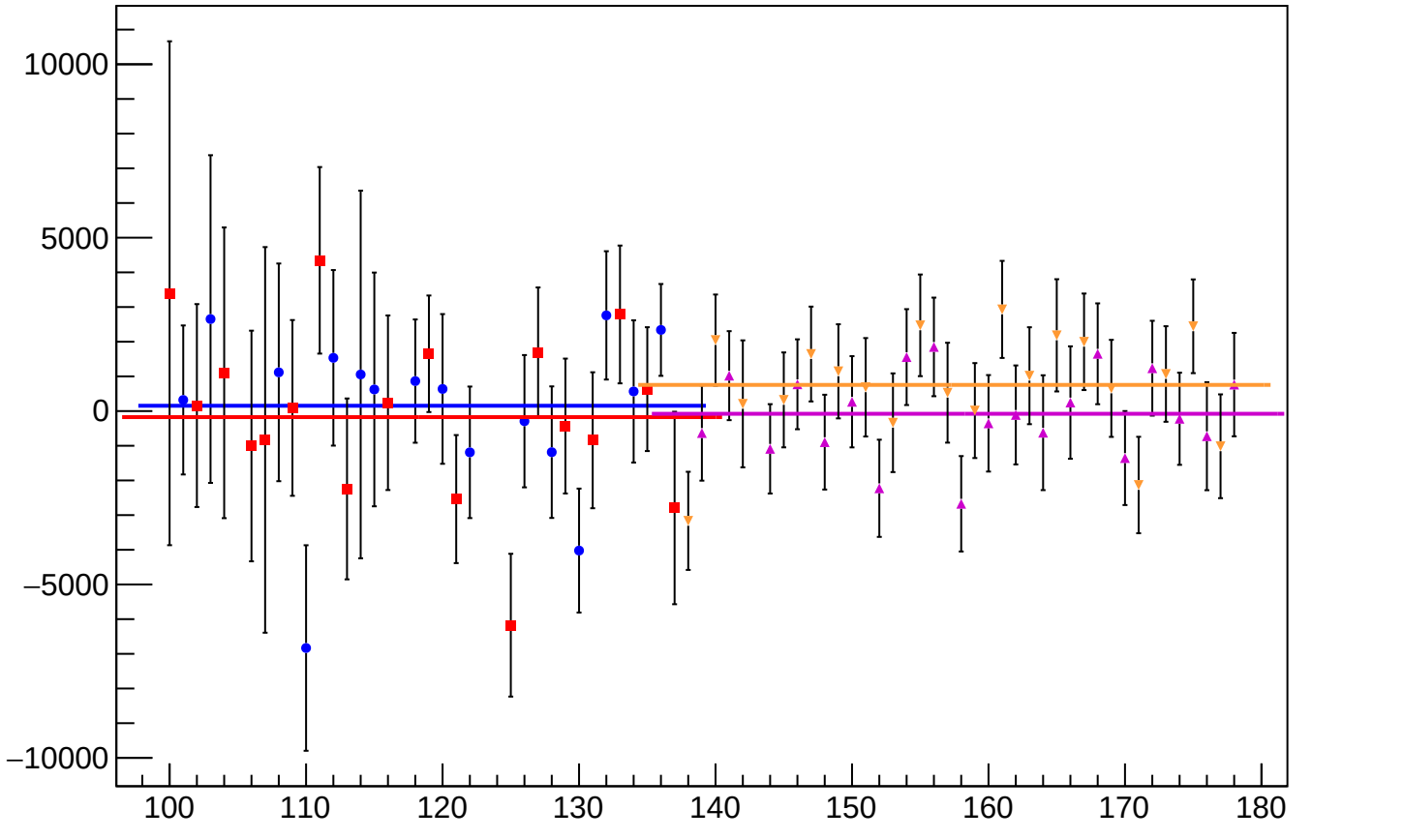
Left: 546.394+/-0.069 χ^2/NDF: 1728814.2/39

Right: 563.103+/-0.112 χ^2/NDF: 3754001.7/33

In: 552.324+/-0.083 χ^2/NDF:2341300.8/35

Out: 549.621+/-0.084 χ^2/NDF:3157025.9/37

All: 550.992+/-0.059 χ^2/NDF: 5498852.8/73



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: -78.121+/-312.532 χ^2/NDF:15.4/19

Left: 332.003+/-222.670 χ^2/NDF: 41.9/39

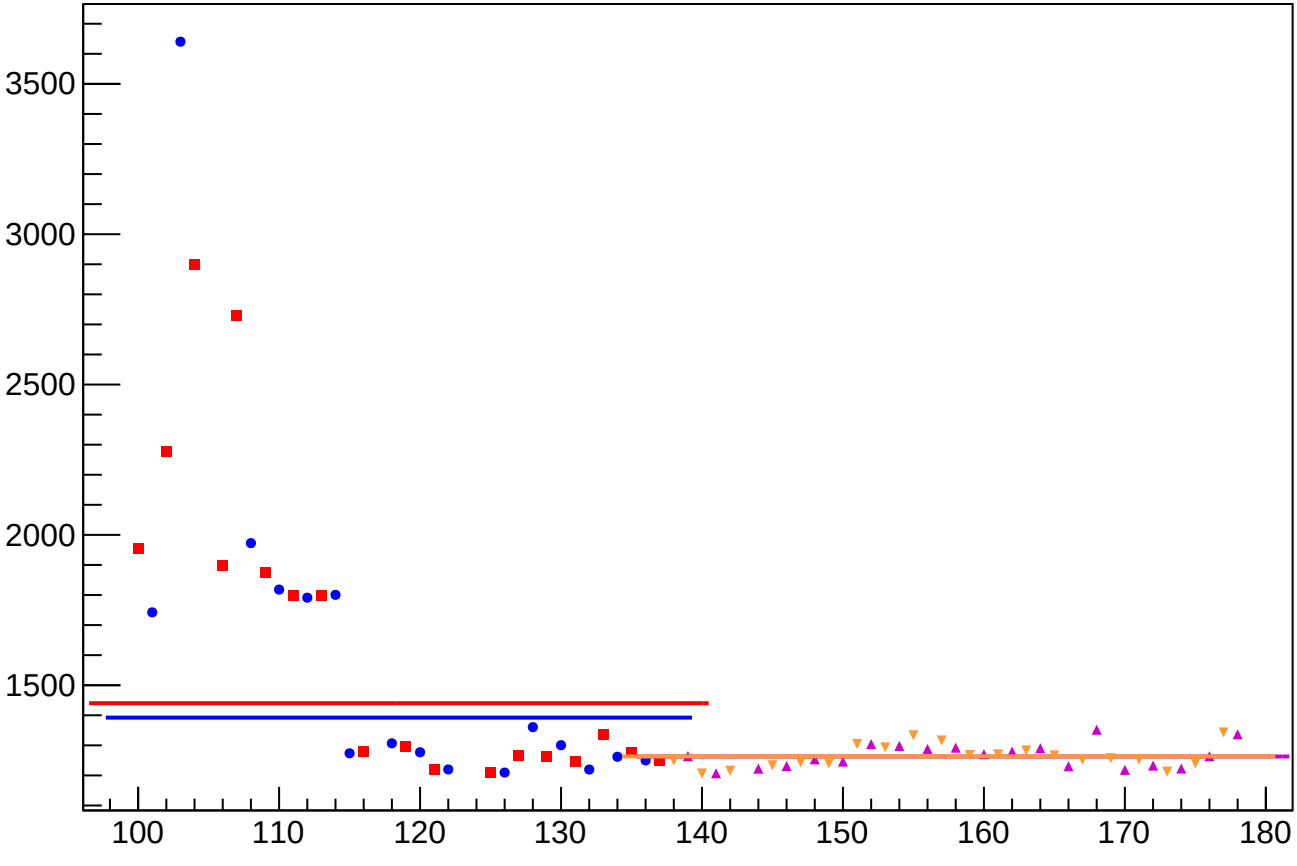
Right: -5.006+/-382.473 χ^2/NDF: 37.6/33

In: -18.742+/-269.485 χ^2/NDF:33.3/35

Out: 522.861+/-274.880 χ^2/NDF:44.8/37

All: 246.692+/-192.434 χ^2/NDF: 80.1/73

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: 1262.860+/-0.221 χ^2/NDF:30979.8/19

Left: 1263.070+/-0.157 χ^2/NDF: 57722.0/39

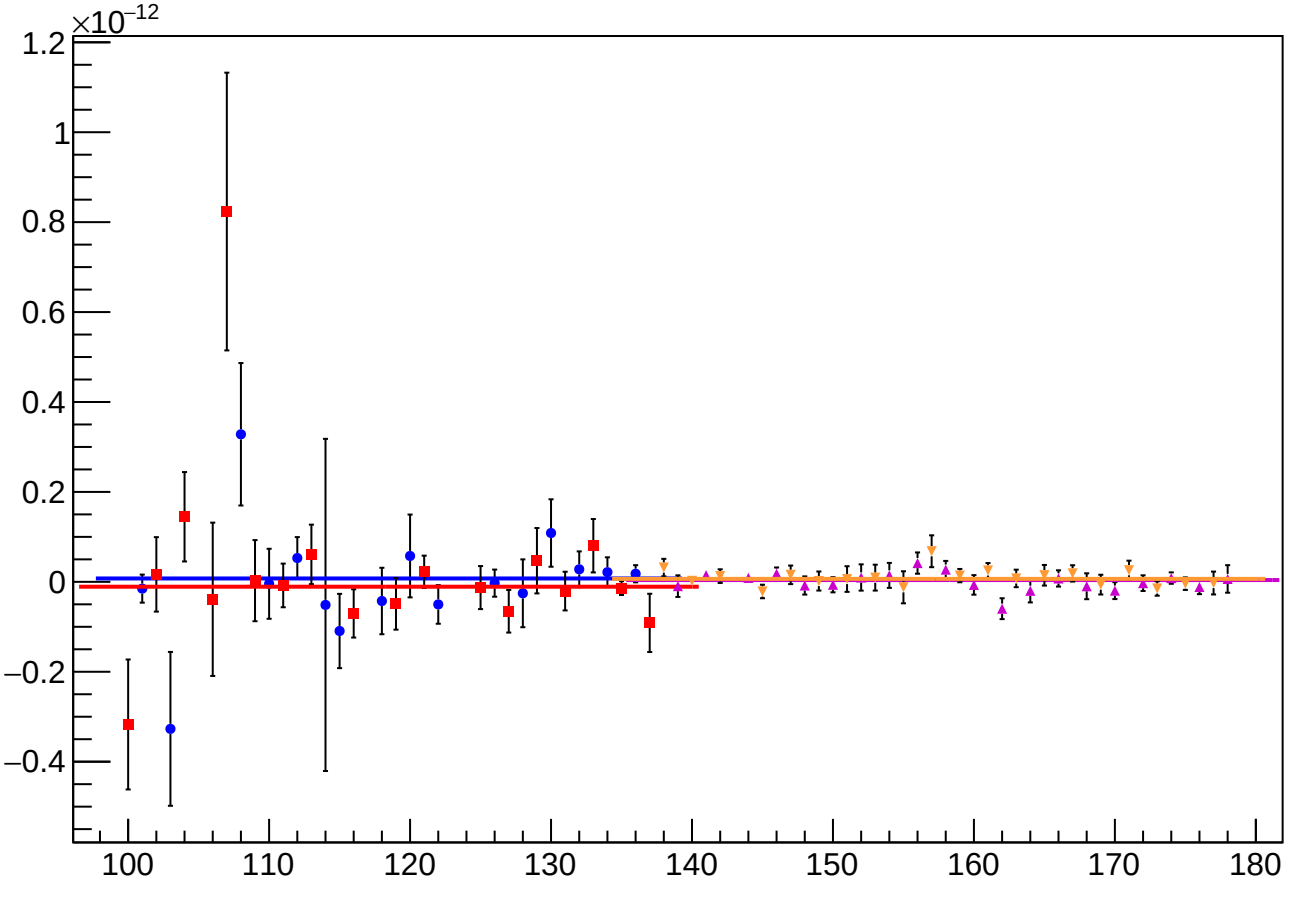
Right: 1415.461+/-0.270 χ^2/NDF: 1641967.9/33

In: 1296.061+/-0.191 χ^2/NDF:898215.6/35

Out: 1307.457+/-0.194 χ^2/NDF:1036850.8/37

All: 1301.646+/-0.136 χ^2/NDF: 1936819.3/73

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:19.5/19

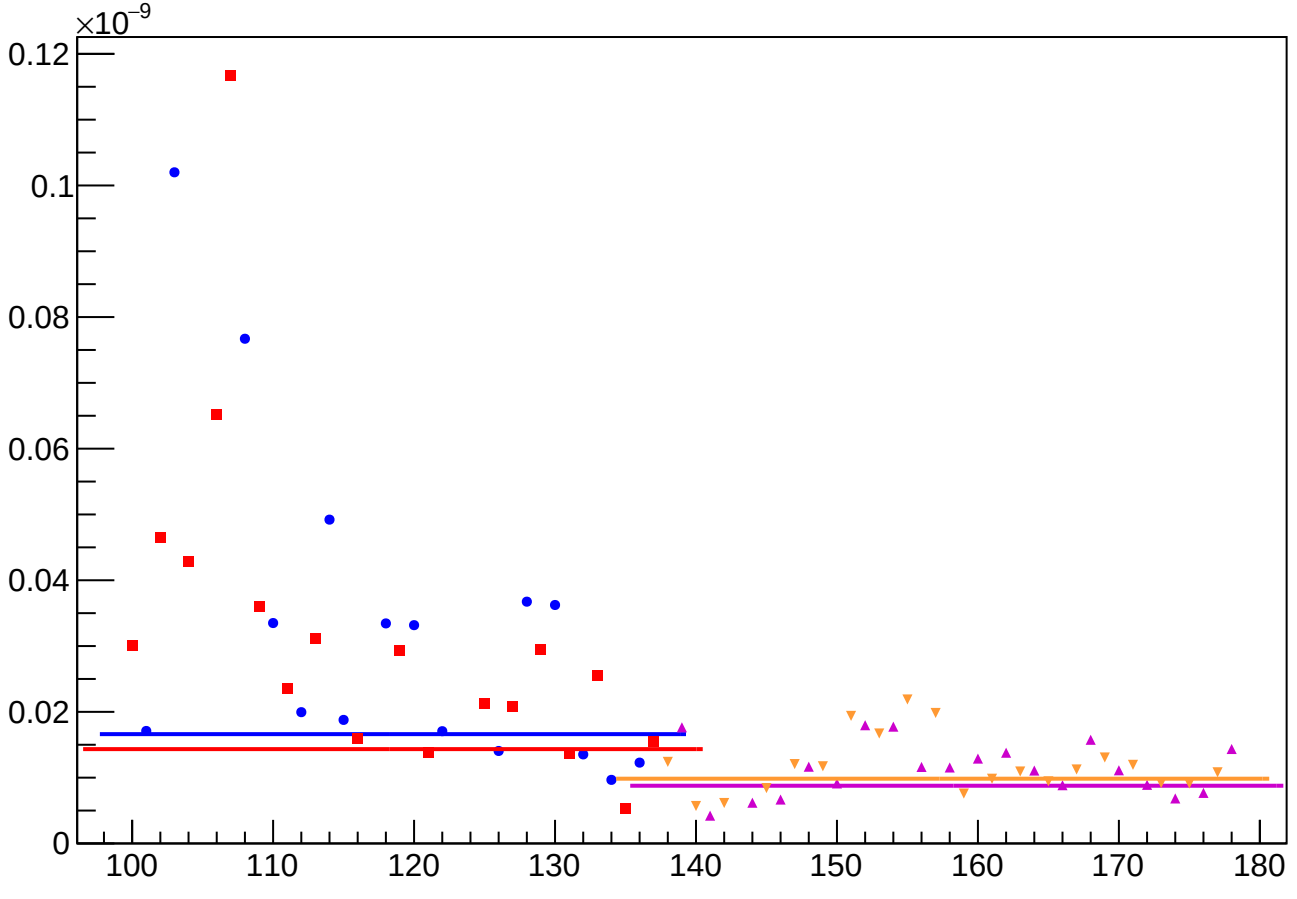
Left: 0.000+/-0.000 χ^2/NDF: 34.4/39

Right: -0.000+/-0.000 χ^2/NDF: 42.4/33

In: 0.000+/-0.000 χ^2/NDF:36.5/35

Out: 0.000+/-0.000 χ^2/NDF:41.1/37

All: 0.000+/-0.000 χ^2/NDF: 77.6/73



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:1880656.1/19

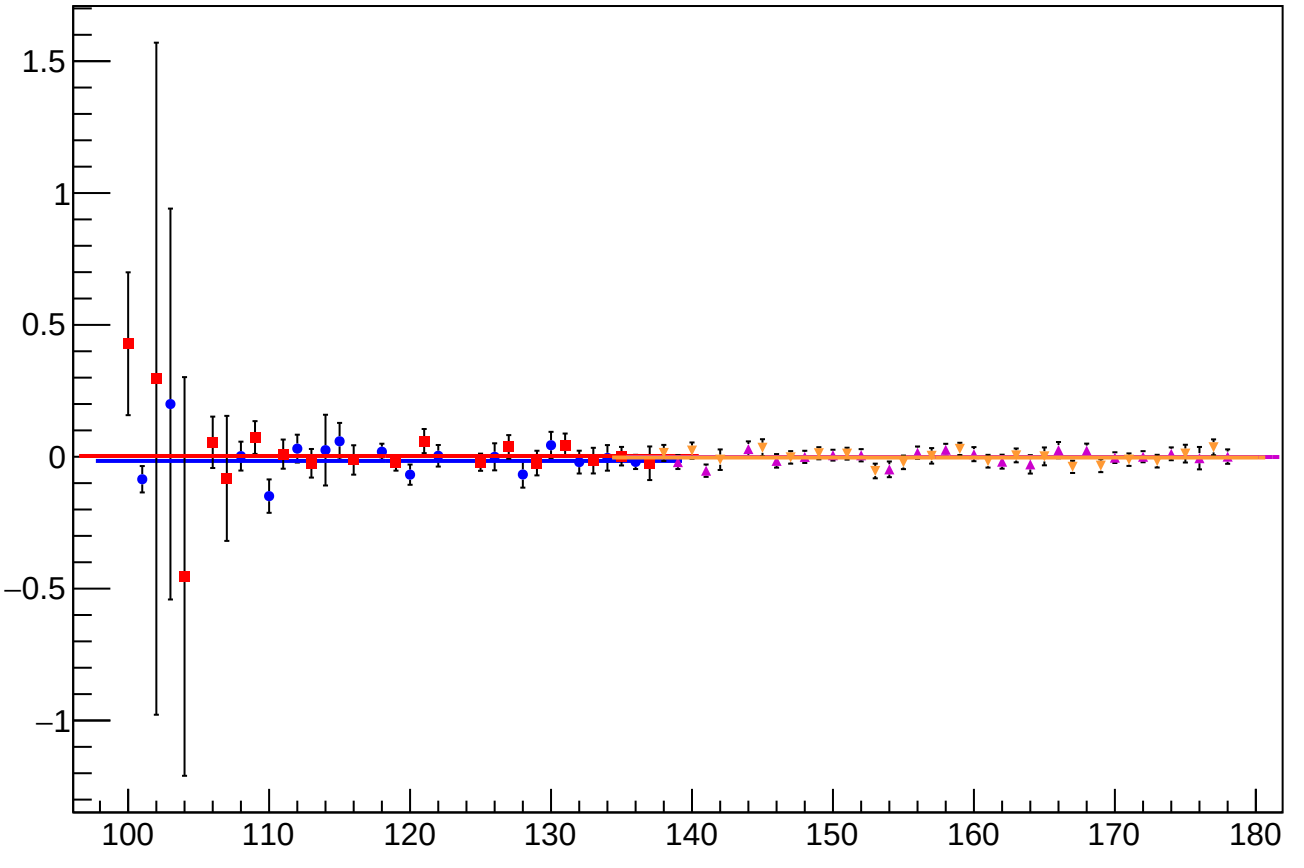
Left: 0.000+/-0.000 χ^2/NDF: 3307258.8/39

Right: 0.000+/-0.000 χ^2/NDF: 3876075.8/33

In: 0.000+/-0.000 χ^2/NDF:4378248.9/35

Out: 0.000+/-0.000 χ^2/NDF:3925277.9/37

All: 0.000+/-0.000 χ^2/NDF: 8347241.2/73



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:14.5/19

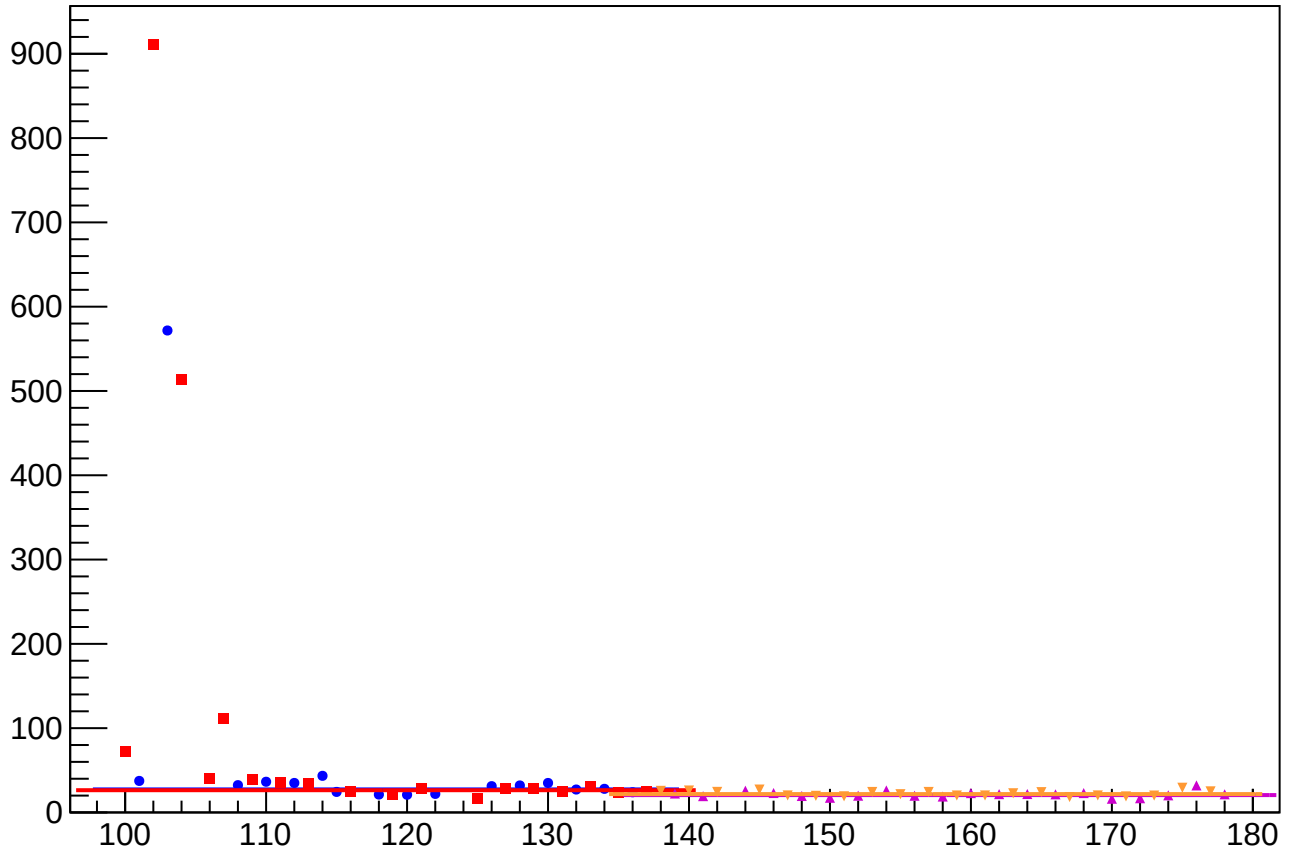
Left: -0.002+/-0.004 χ^2/NDF: 30.4/39

Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.004+/-0.005 χ^2/NDF:30.5/35

Out: -0.002+/-0.005 χ^2/NDF:25.9/37

All: -0.003+/-0.004 χ^2/NDF: 56.4/73



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: 20.603+/-0.004 χ^2/NDF:574136.4/19

Left: 21.162+/-0.003 χ^2/NDF: 1076689.7/39

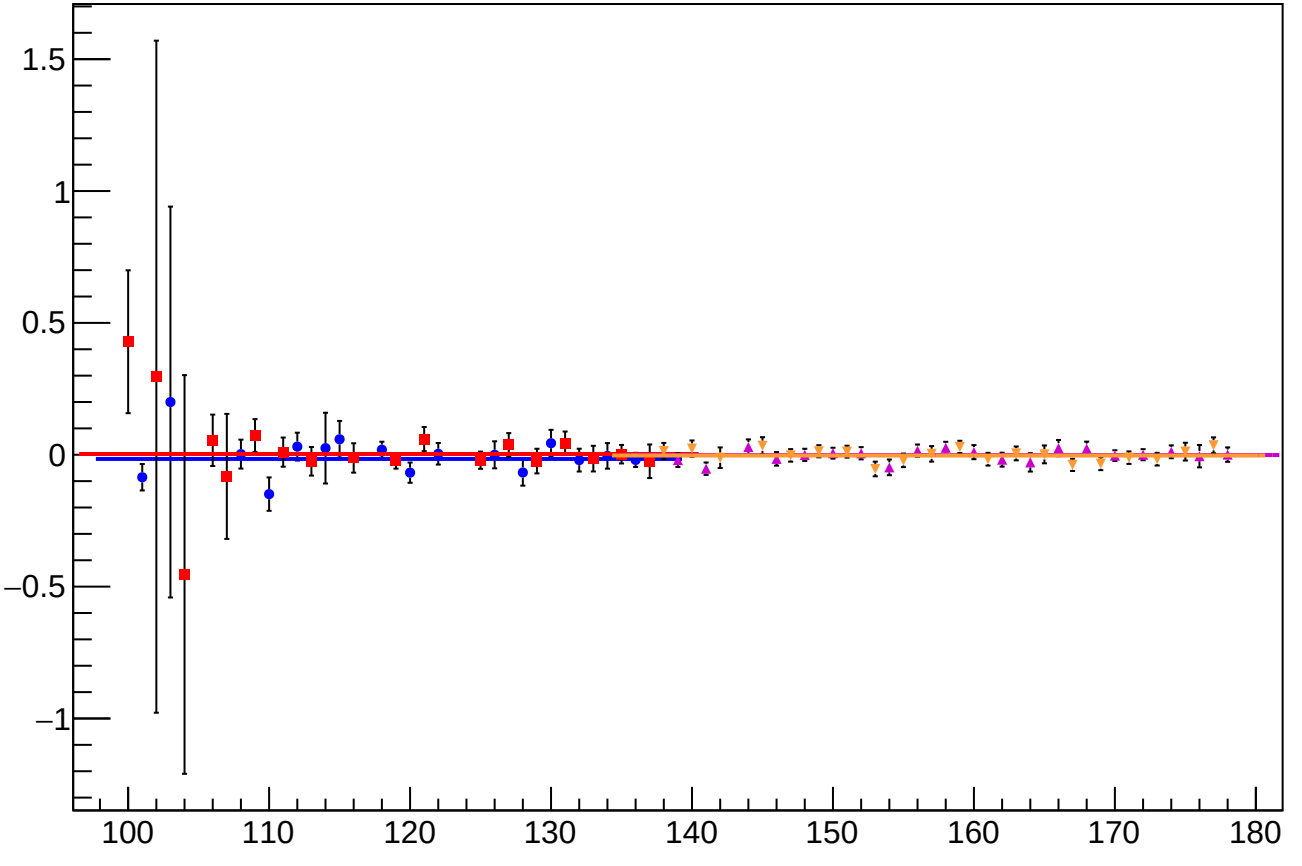
Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 21.897+/-0.004 χ^2/NDF:2685028.9/35

Out: 22.695+/-0.004 χ^2/NDF:3312518.5/37

All: 22.276+/-0.003 χ^2/NDF: 6021028.5/73

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:14.5/19

Left: -0.002+/-0.004 χ^2/NDF: 30.4/39

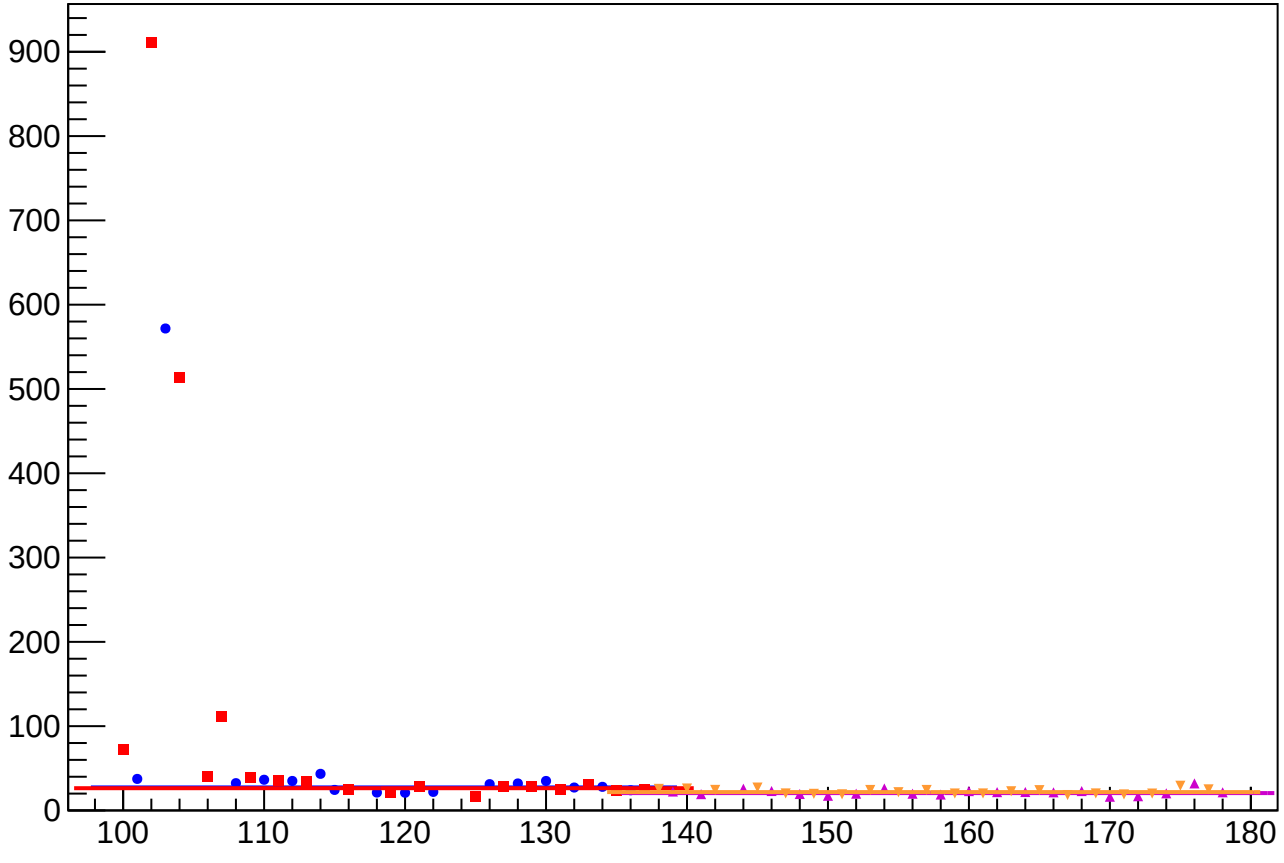
Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.004+/-0.005 χ^2/NDF:30.5/35

Out: -0.002+/-0.005 χ^2/NDF:25.9/37

All: -0.003+/-0.004 χ^2/NDF: 56.4/73

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: 20.603+/-0.004 χ^2/NDF:574136.4/19

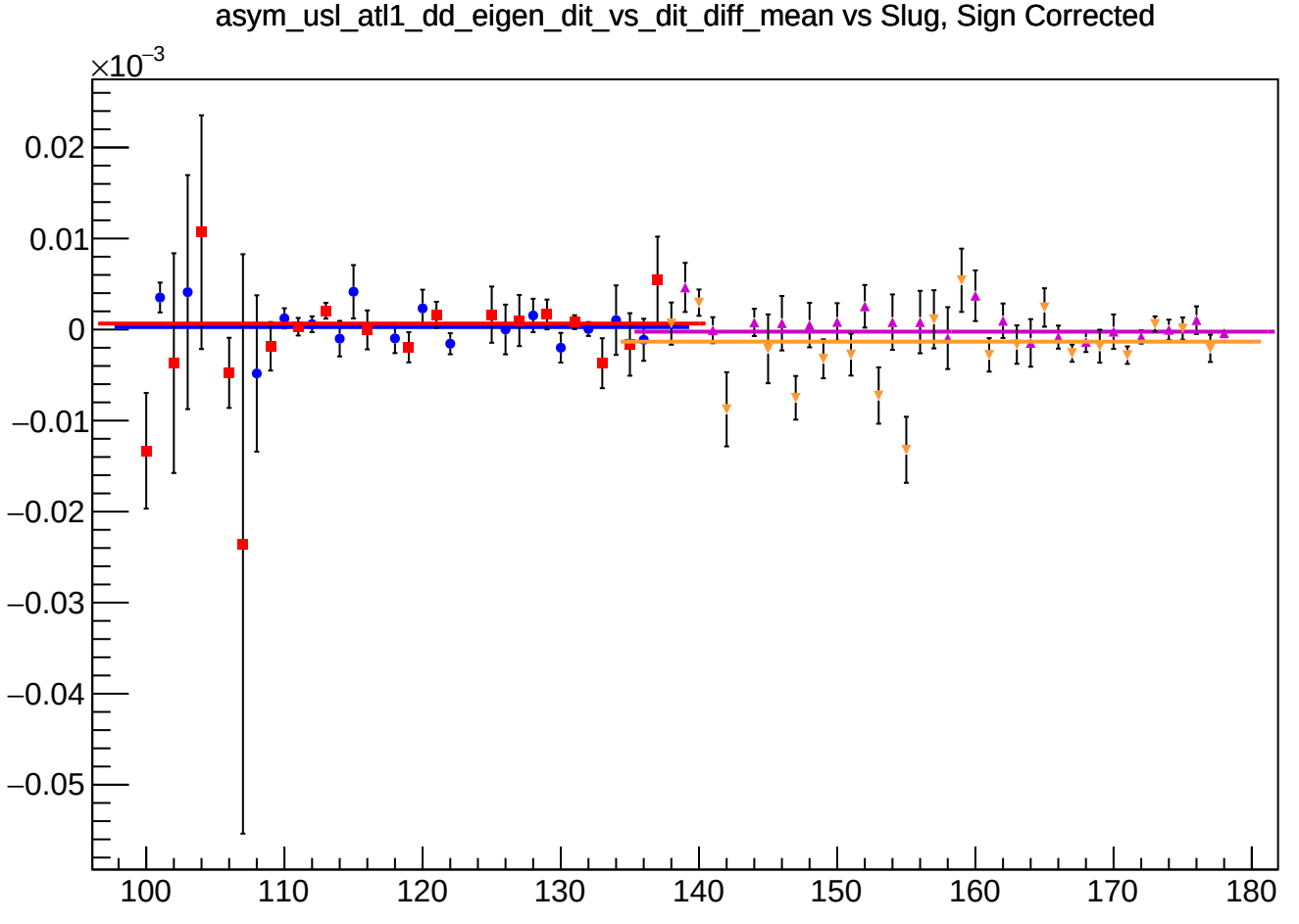
Left: 21.162+/-0.003 χ^2/NDF: 1076689.7/39

Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 21.897+/-0.004 χ^2/NDF:2685028.9/35

Out: 22.695+/-0.004 χ^2/NDF:3312518.5/37

All: 22.276+/-0.003 χ^2/NDF: 6021028.5/73



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:11.3/19

Left: -0.000+/-0.000 χ^2/NDF: 71.8/39

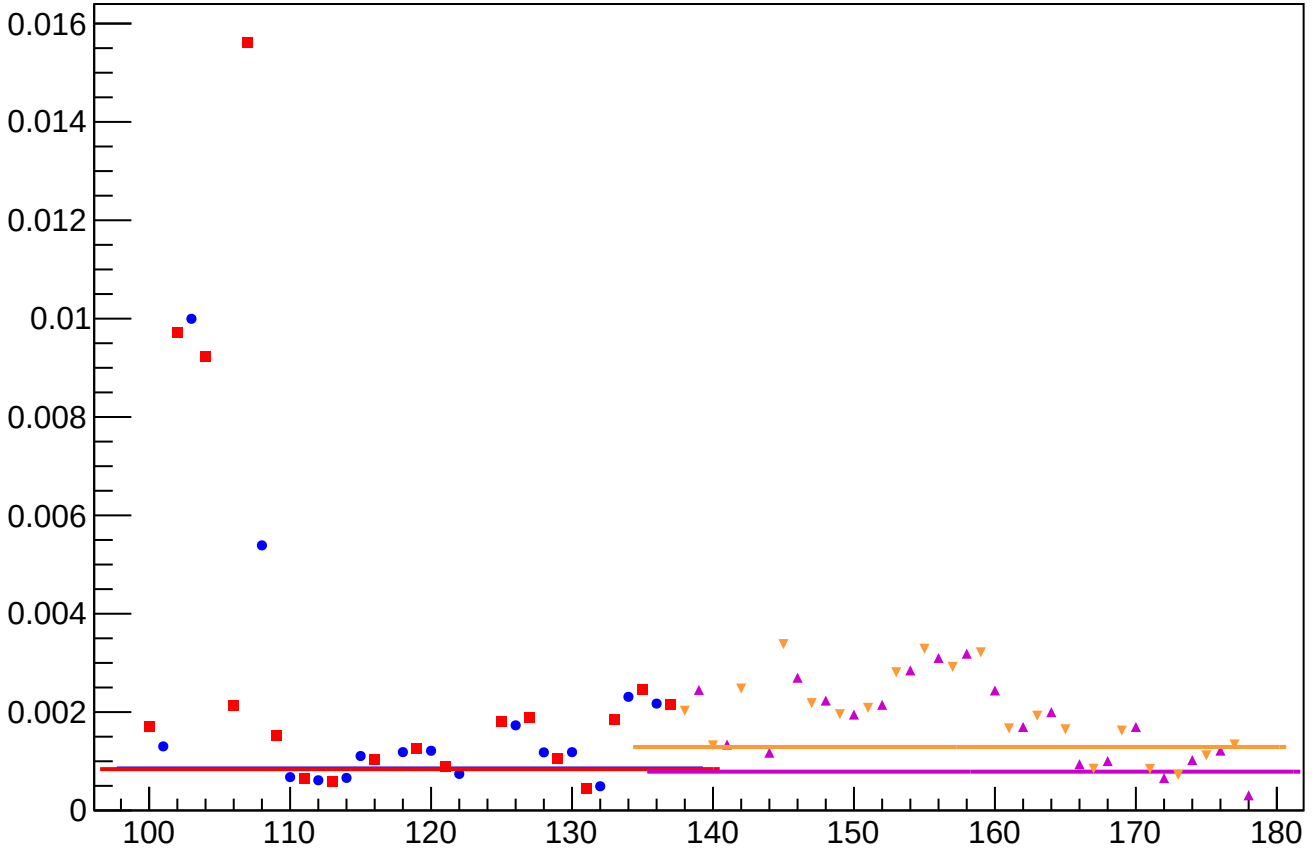
Right: 0.000+/-0.000 χ^2/NDF: 34.2/33

In: -0.000+/-0.000 χ^2/NDF:27.0/35

Out: -0.000+/-0.000 χ^2/NDF:87.3/37

All: -0.000+/-0.000 χ^2/NDF: 115.4/73

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:12743117.2/19

Left: 0.001+/-0.000 χ^2/NDF: 21402883.6/39

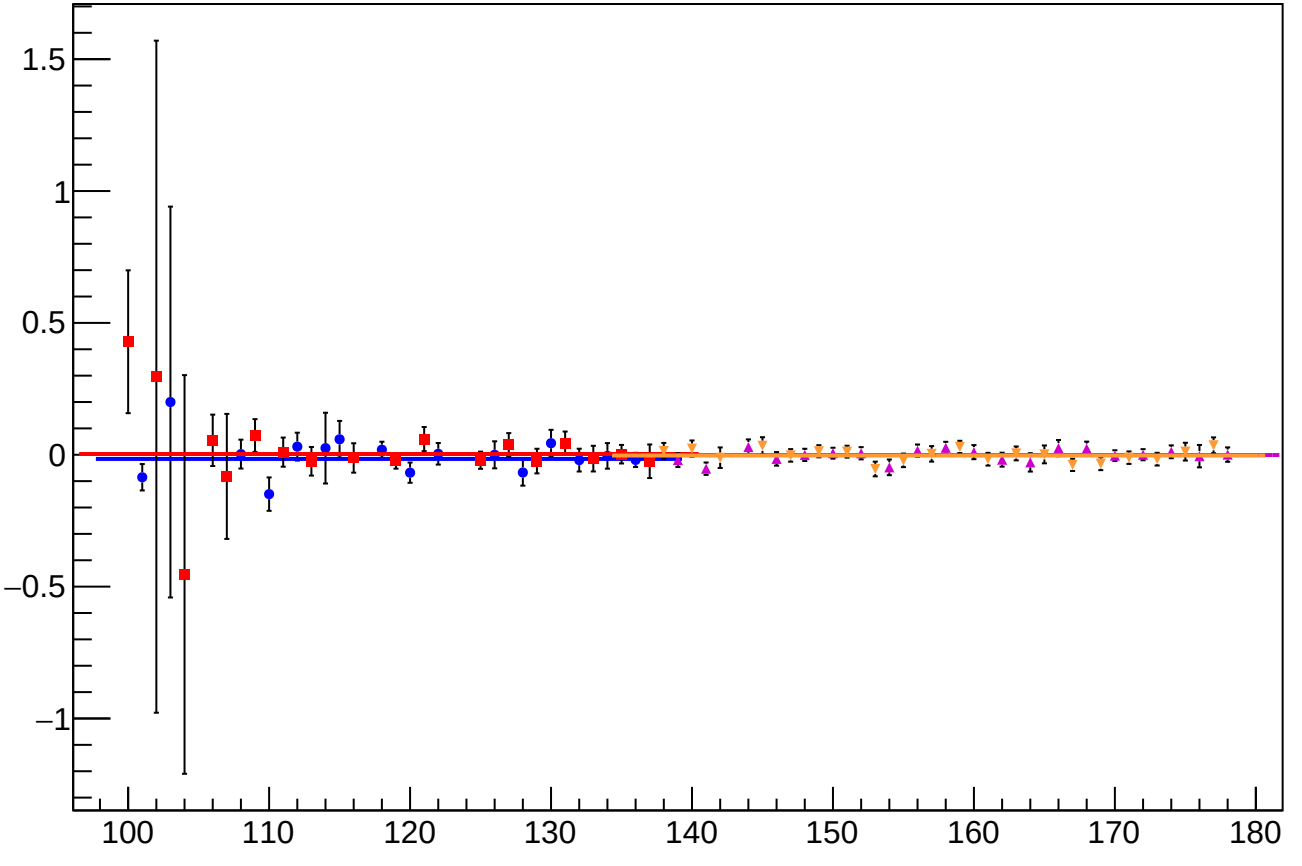
Right: 0.001+/-0.000 χ^2/NDF: 8904244.0/33

In: 0.001+/-0.000 χ^2/NDF:16646914.1/35

Out: 0.001+/-0.000 χ^2/NDF:12564151.9/37

All: 0.001+/-0.000 χ^2/NDF: 30510111.7/73

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:14.5/19

Left: -0.002+/-0.004 χ^2/NDF: 30.4/39

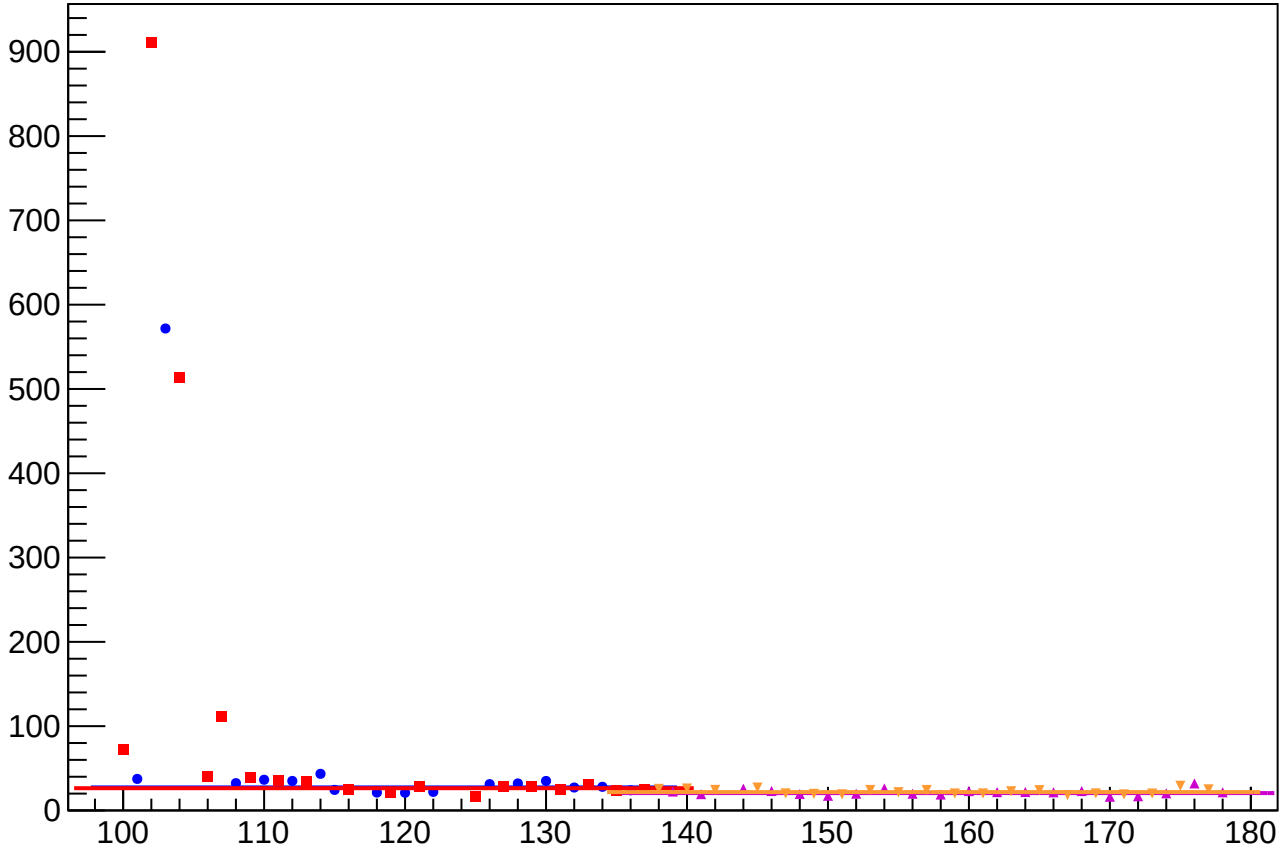
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.004+/-0.005 χ^2/NDF:30.5/35

Out: -0.002+/-0.005 χ^2/NDF:25.8/37

All: -0.003+/-0.004 χ^2/NDF: 56.4/73

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: 20.603+/-0.004 χ^2/NDF:574151.9/19

Left: 21.162+/-0.003 χ^2/NDF: 1076674.7/39

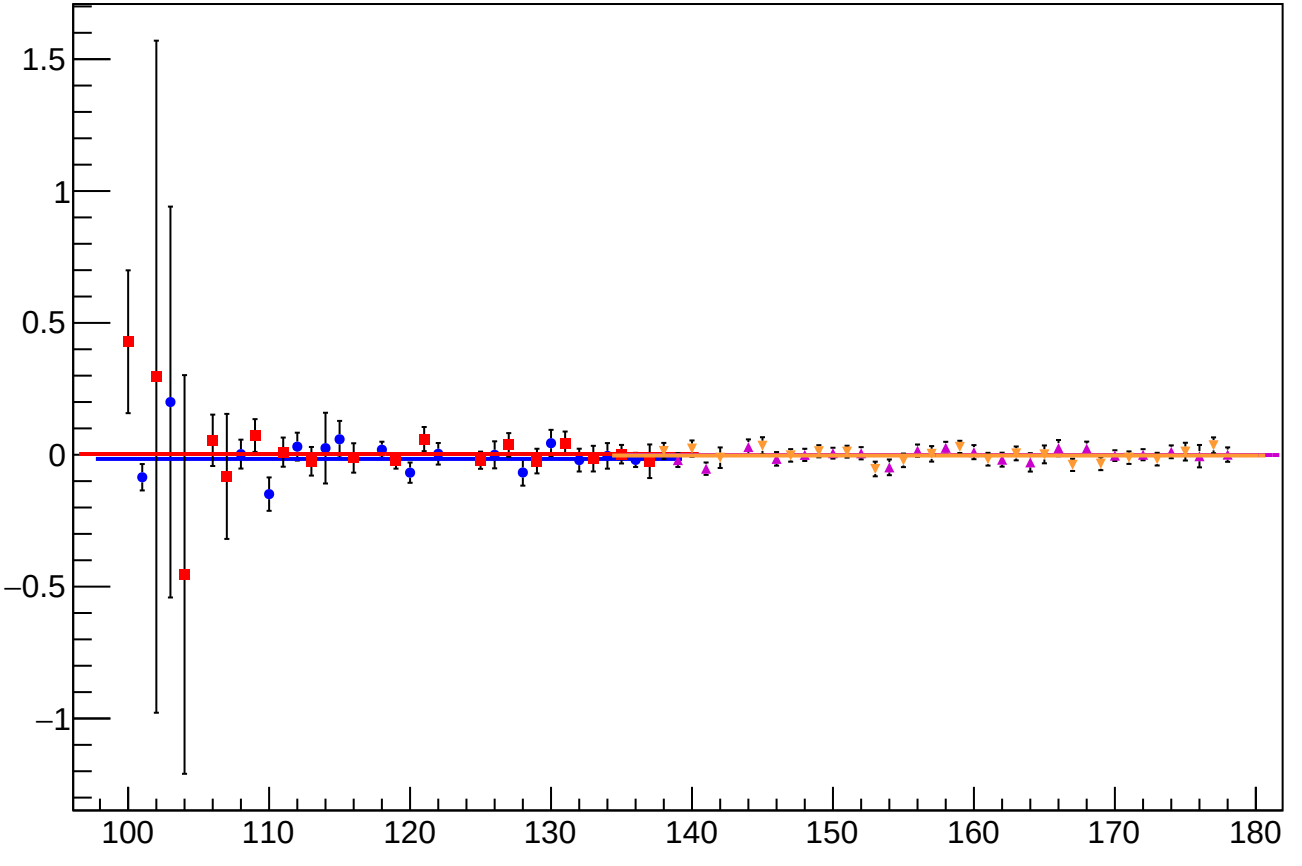
Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 21.896+/-0.004 χ^2/NDF:2685044.1/35

Out: 22.695+/-0.004 χ^2/NDF:3312512.2/37

All: 22.276+/-0.003 χ^2/NDF: 6021036.5/73

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:14.5/19

Left: -0.002+/-0.004 χ^2/NDF: 30.4/39

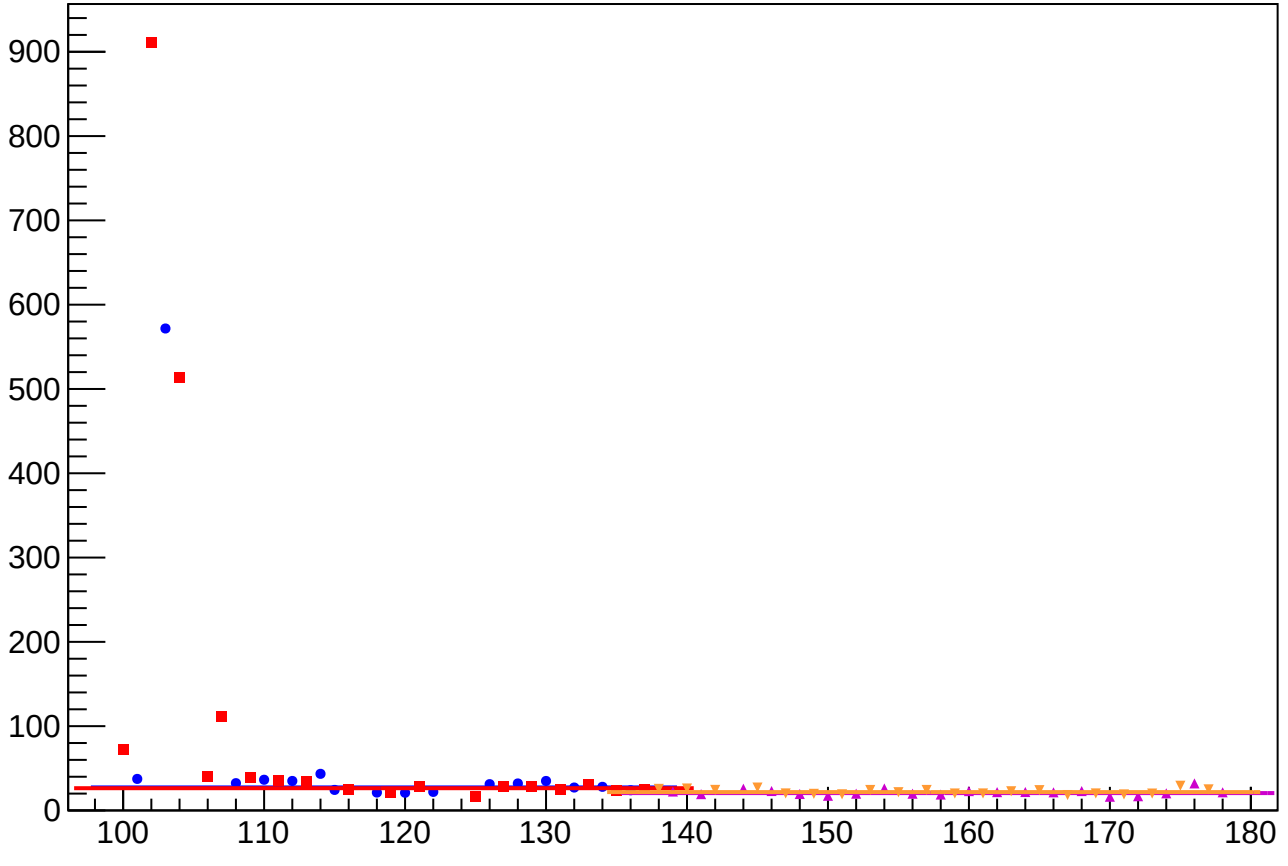
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.004+/-0.005 χ^2/NDF:30.5/35

Out: -0.002+/-0.005 χ^2/NDF:25.8/37

All: -0.003+/-0.004 χ^2/NDF: 56.4/73

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: 20.603+/-0.004 χ^2/NDF:574151.9/19

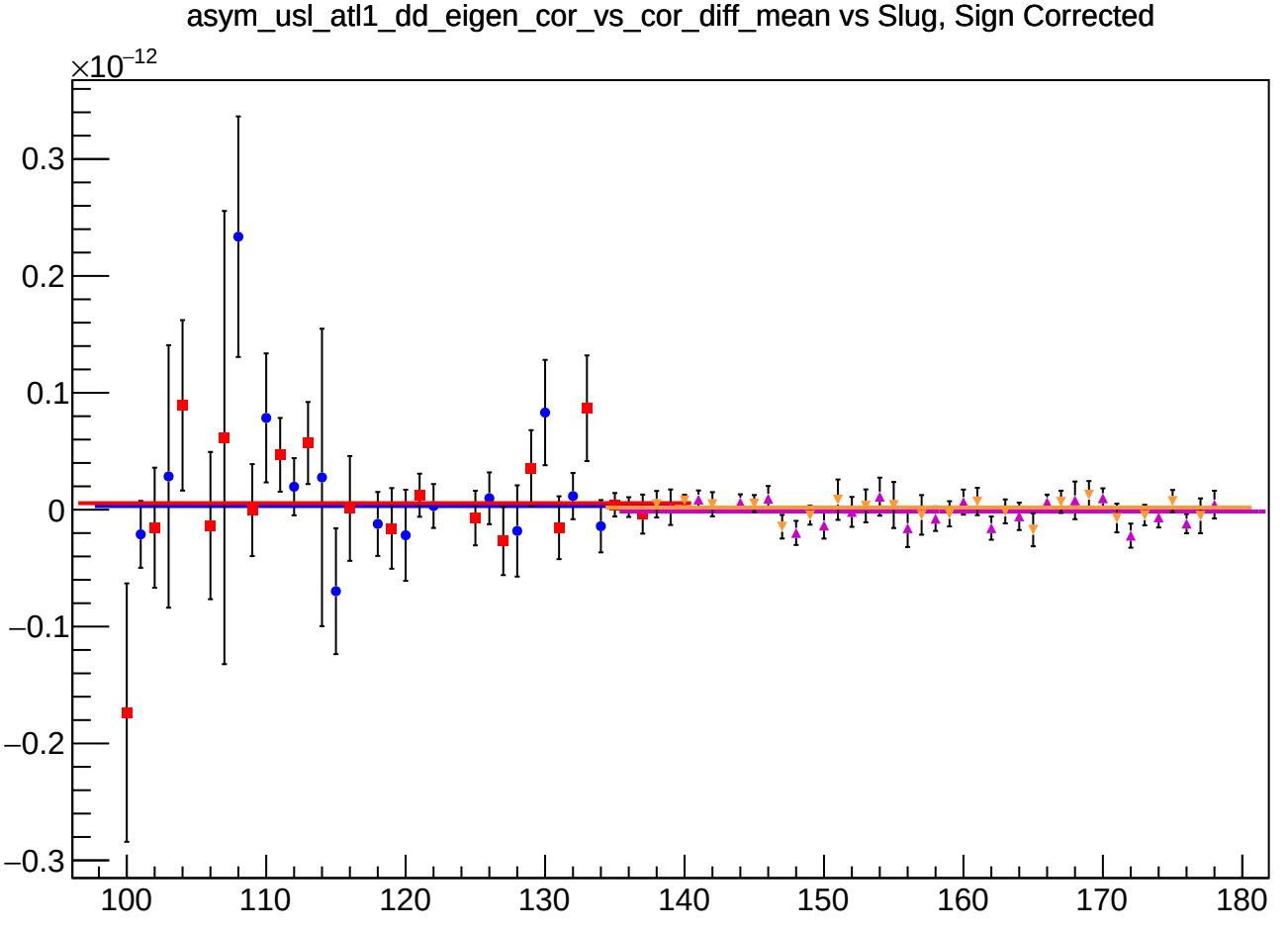
Left: 21.162+/-0.003 χ^2/NDF: 1076674.7/39

Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 21.896+/-0.004 χ^2/NDF:2685044.1/35

Out: 22.695+/-0.004 χ^2/NDF:3312512.2/37

All: 22.276+/-0.003 χ^2/NDF: 6021036.5/73



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:22.5/19

Left: 0.000+/-0.000 χ^2/NDF: 34.2/39

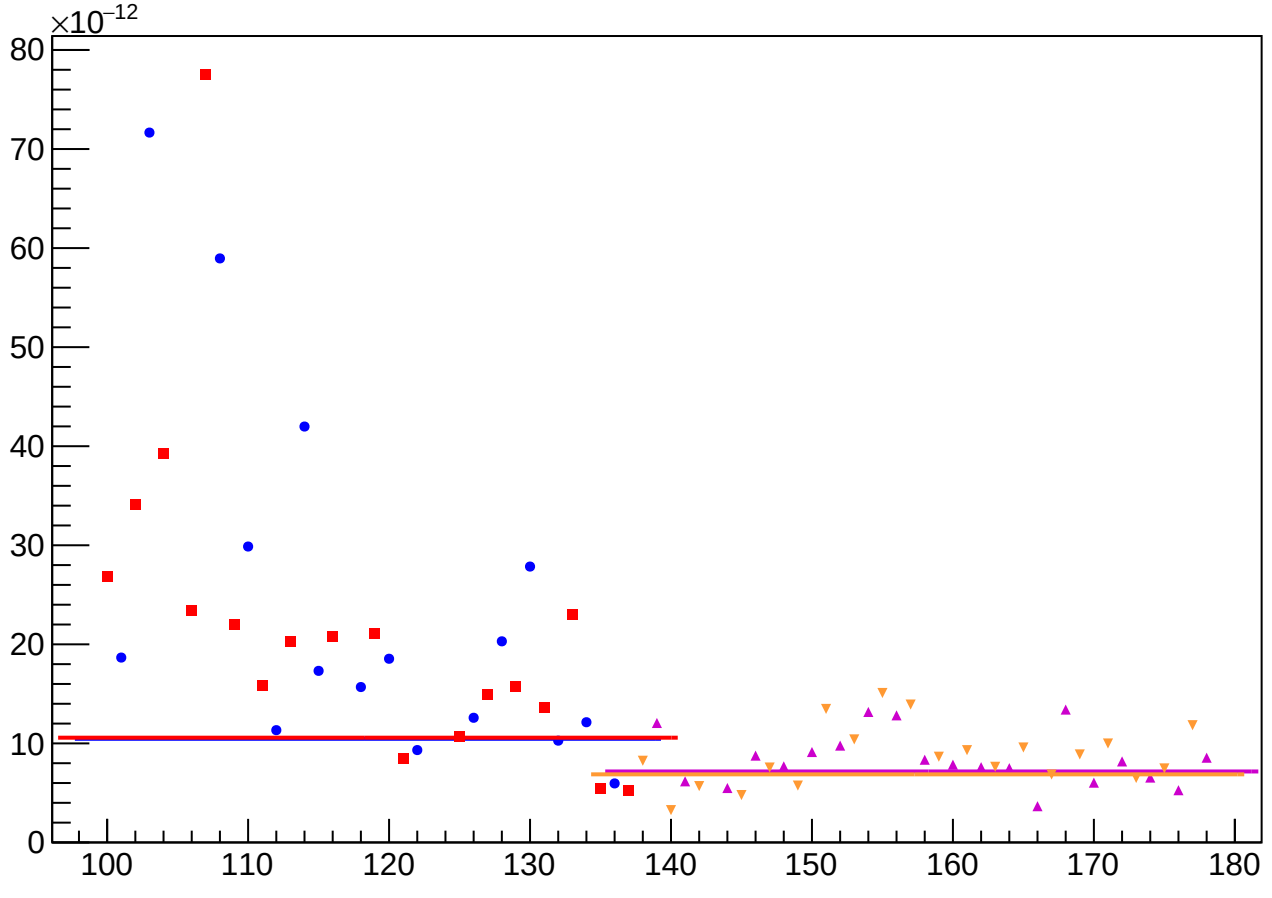
Right: 0.000+/-0.000 χ^2/NDF: 30.4/33

In: -0.000+/-0.000 χ^2/NDF:38.1/35

Out: 0.000+/-0.000 χ^2/NDF:26.2/37

All: 0.000+/-0.000 χ^2/NDF: 65.4/73

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:2167412.8/19

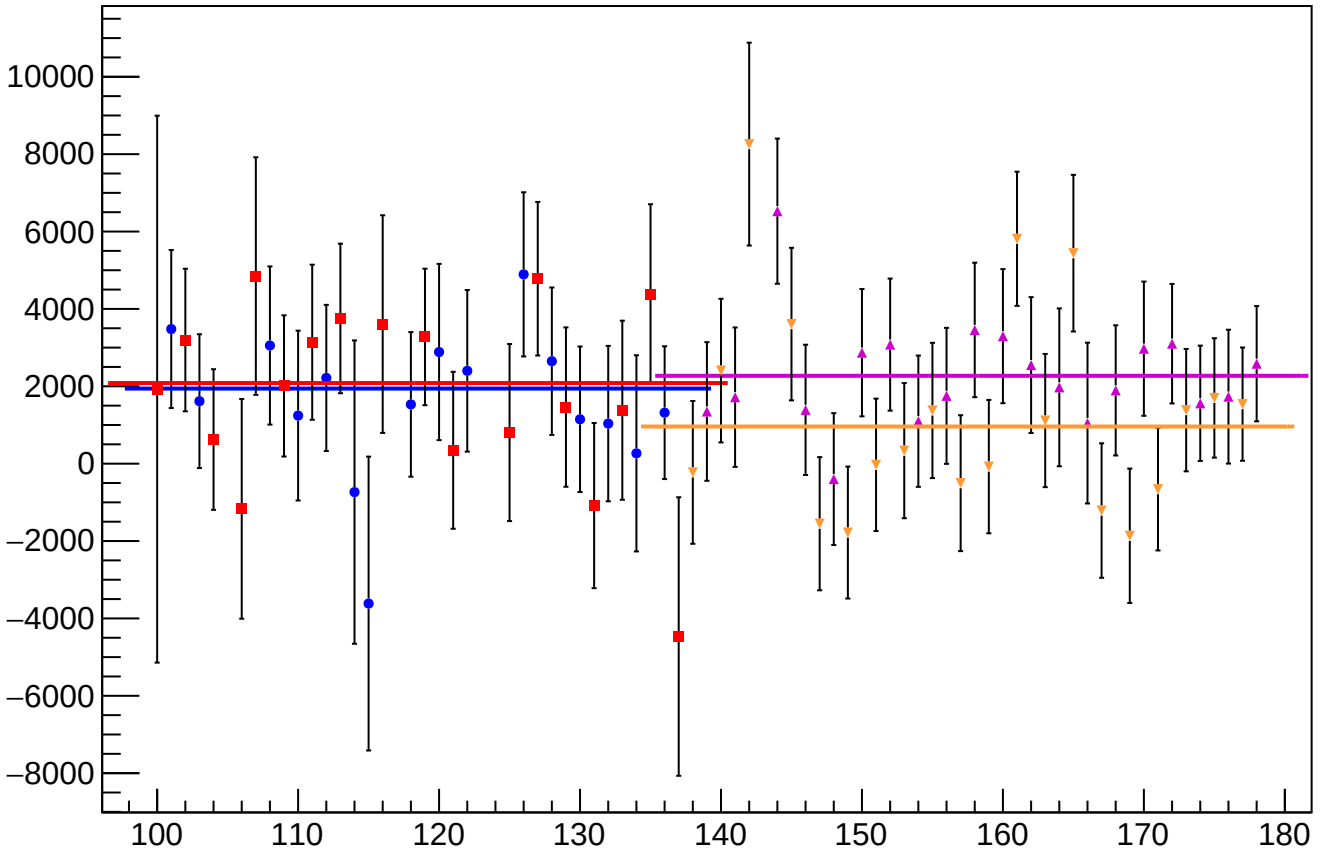
Left: 0.000+/-0.000 χ^2/NDF: 5285133.7/39

Right: 0.000+/-0.000 χ^2/NDF: 5566631.8/33

In: 0.000+/-0.000 χ^2/NDF:5535678.1/35

Out: 0.000+/-0.000 χ^2/NDF:6523755.1/37

All: 0.000+/-0.000 χ^2/NDF: 12077839.0/73



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: 2271.382+/-383.935 χ^2/NDF:11.2/19

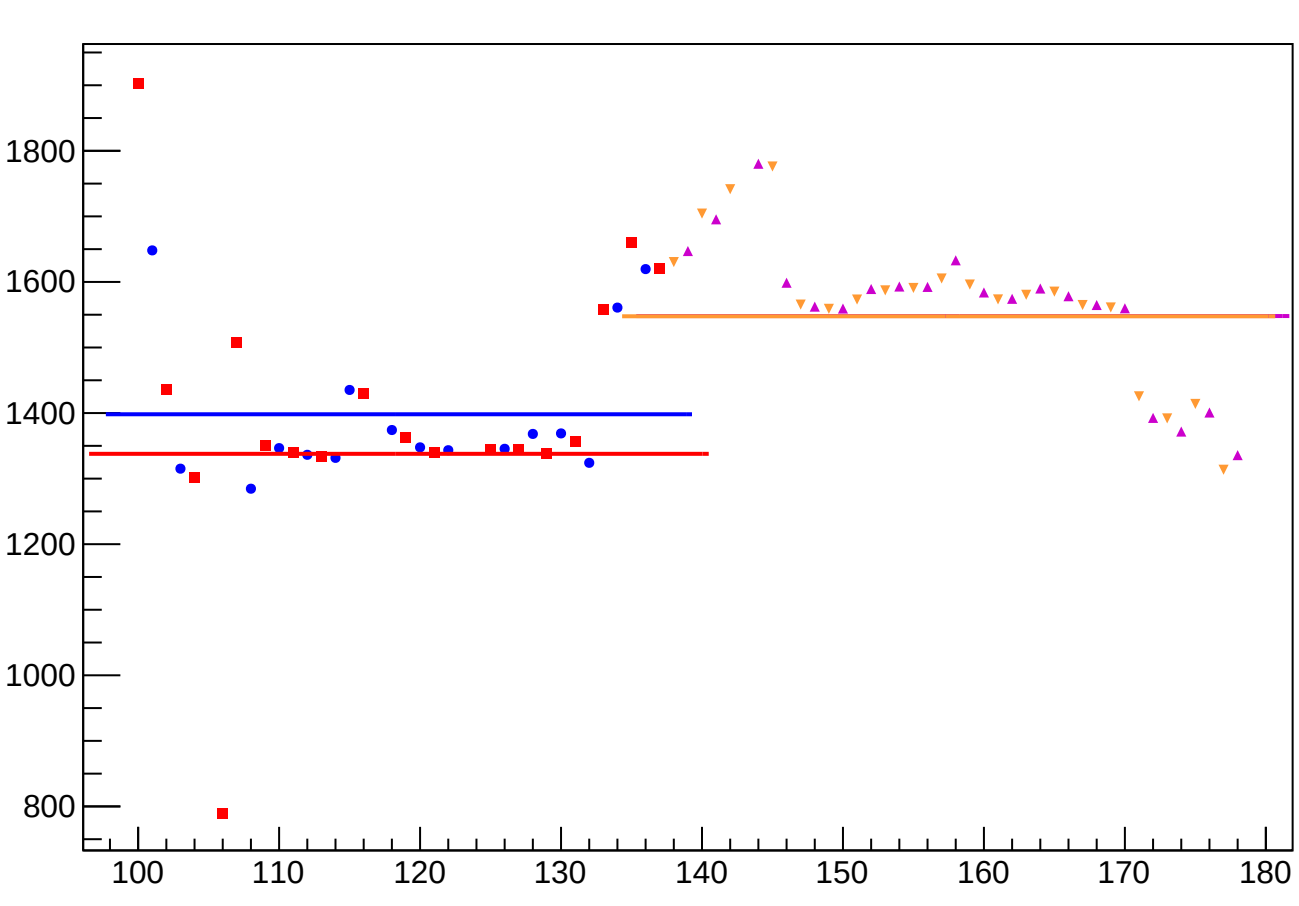
Left: 1625.514+/-273.468 χ^2/NDF: 52.3/39

Right: 2012.819+/-368.313 χ^2/NDF: 21.4/33

In: 2155.440+/-309.322 χ^2/NDF:18.4/35

Out: 1364.780+/-311.712 χ^2/NDF:52.8/37

All: 1763.152+/-219.564 χ^2/NDF: 74.4/73



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: 1547.988+/-0.271 χ^2/NDF:166972.4/19

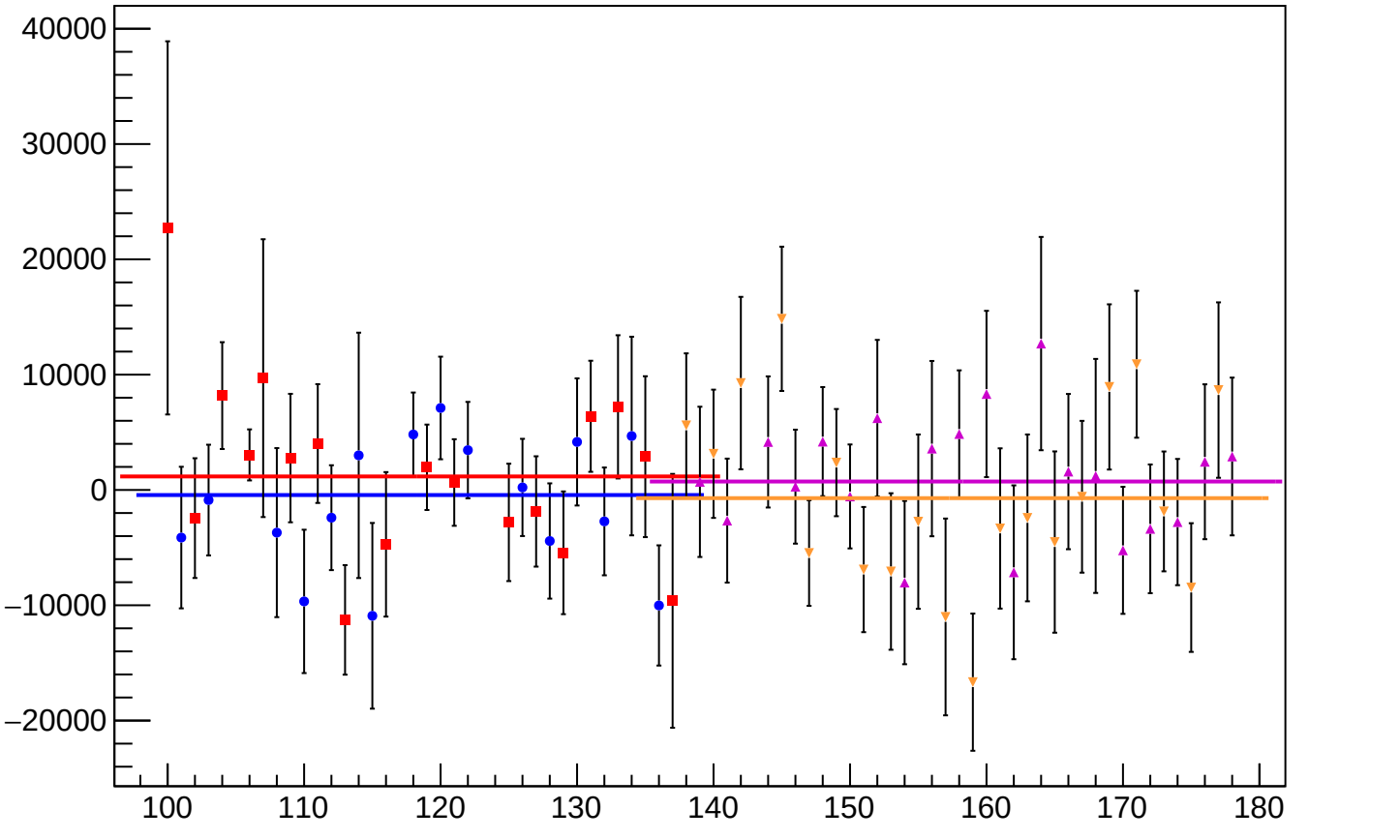
Left: 1547.809+/-0.193 χ^2/NDF: 329368.1/39

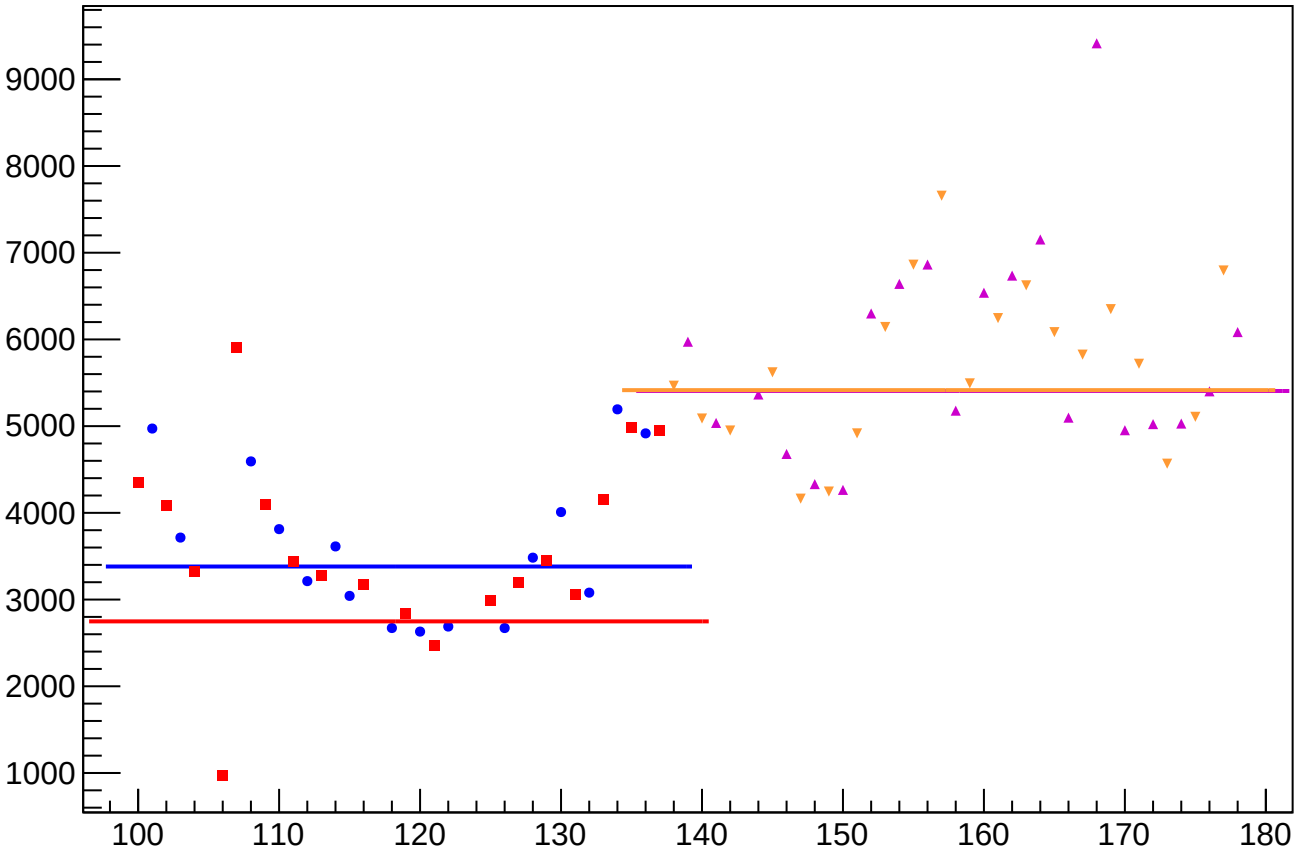
Right: 1366.881+/-0.256 χ^2/NDF: 425531.4/33

In: 1495.412+/-0.219 χ^2/NDF:367773.5/35

Out: 1469.015+/-0.218 χ^2/NDF:697460.8/37

All: 1482.161+/-0.154 χ^2/NDF: 1072546.4/73


asym_usl_atl2_avg_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: -441.138+/-1295.916 χ²/NDF: 15.9/15
Left Out: -709.817+/-1386.625 χ²/NDF:31.0/19
Right Out: 1171.548+/-1119.890 χ²/NDF: 19.7/17
Left In: 732.520+/-1363.378 χ²/NDF:10.5/19
Left: 23.543+/-972.168 χ²/NDF: 42.0/39
Right: 482.092+/-847.335 χ²/NDF: 36.5/33
In: 115.937+/-939.295 χ²/NDF:26.8/35
Out: 428.833+/-871.232 χ²/NDF:51.7/37
All: 284.131+/-638.762 χ²/NDF: 78.5/73



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 5415.042+/-0.980 χ^2/NDF:814788.8/19

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

Left In: 5405.224+/-0.964 χ^2/NDF:1022979.3/19

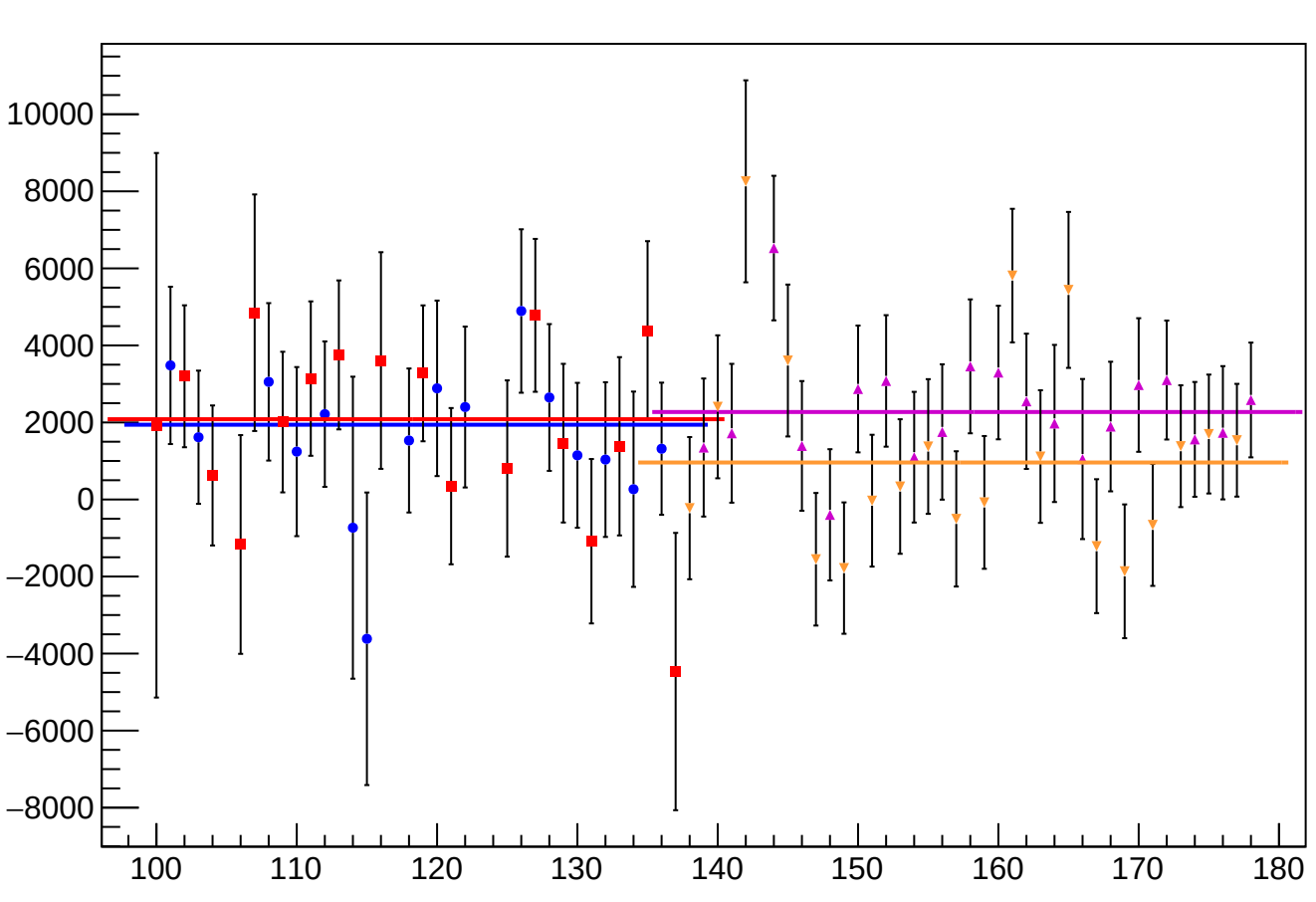
Left: 5410.050+/-0.687 χ^2/NDF: 1837819.0/39

Right: 3018.883+/-0.599 χ^2/NDF: 3294667.2/33

In: 4341.856+/-0.664 χ^2/NDF:4095999.3/35

Out: 3801.106+/-0.616 χ^2/NDF:7556151.3/37

All: 4051.181+/-0.452 χ^2/NDF: 12008461.3/7



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: 2271.383+/-383.935 χ^2/NDF:11.2/19

Left: 1625.511+/-273.468 χ^2/NDF: 52.3/39

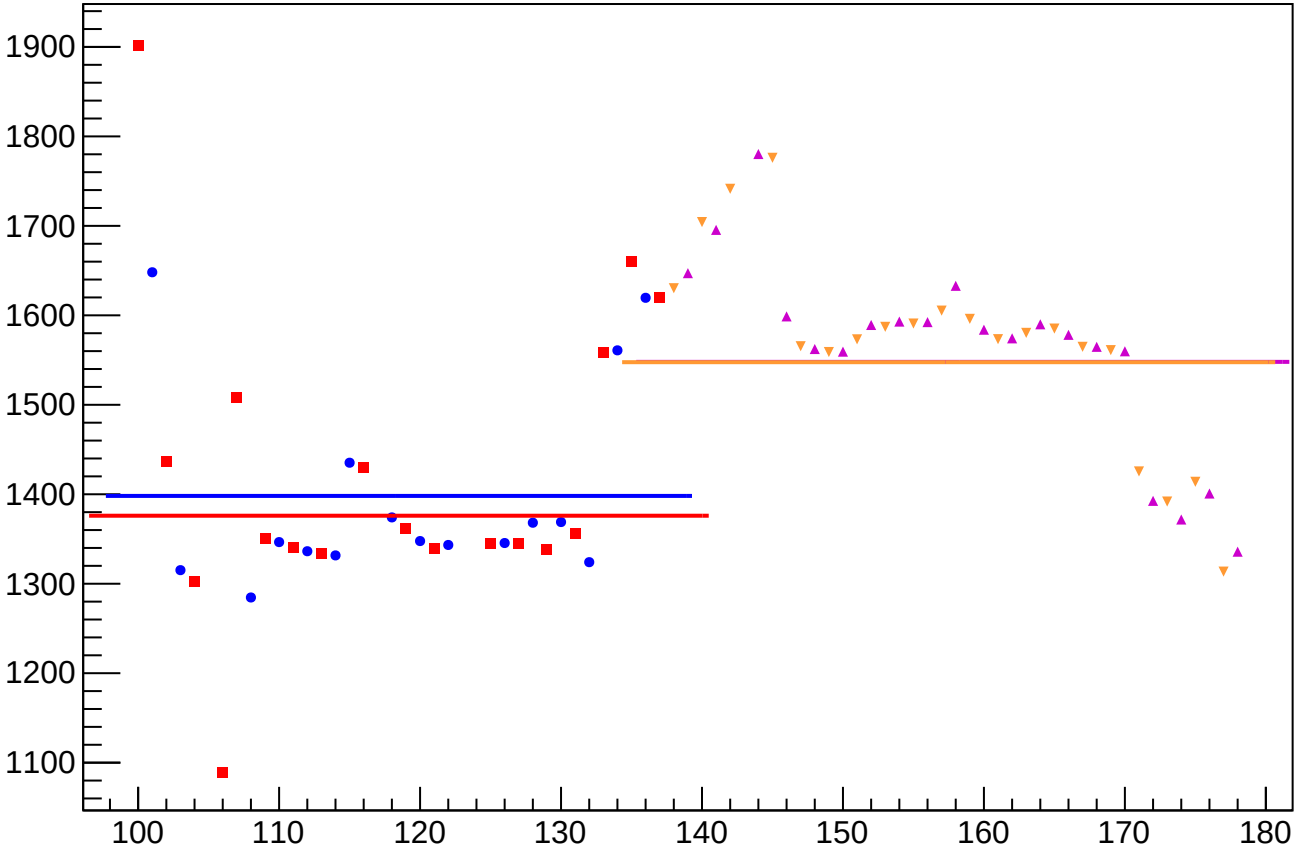
Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2155.460+/-309.322 χ^2/NDF:18.4/35

Out: 1364.851+/-311.713 χ^2/NDF:52.8/37

All: 1763.198+/-219.564 χ^2/NDF: 74.4/73

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: 1547.988+/-0.271 χ^2/NDF:166972.4/19

Left: 1547.809+/-0.193 χ^2/NDF: 329368.0/39

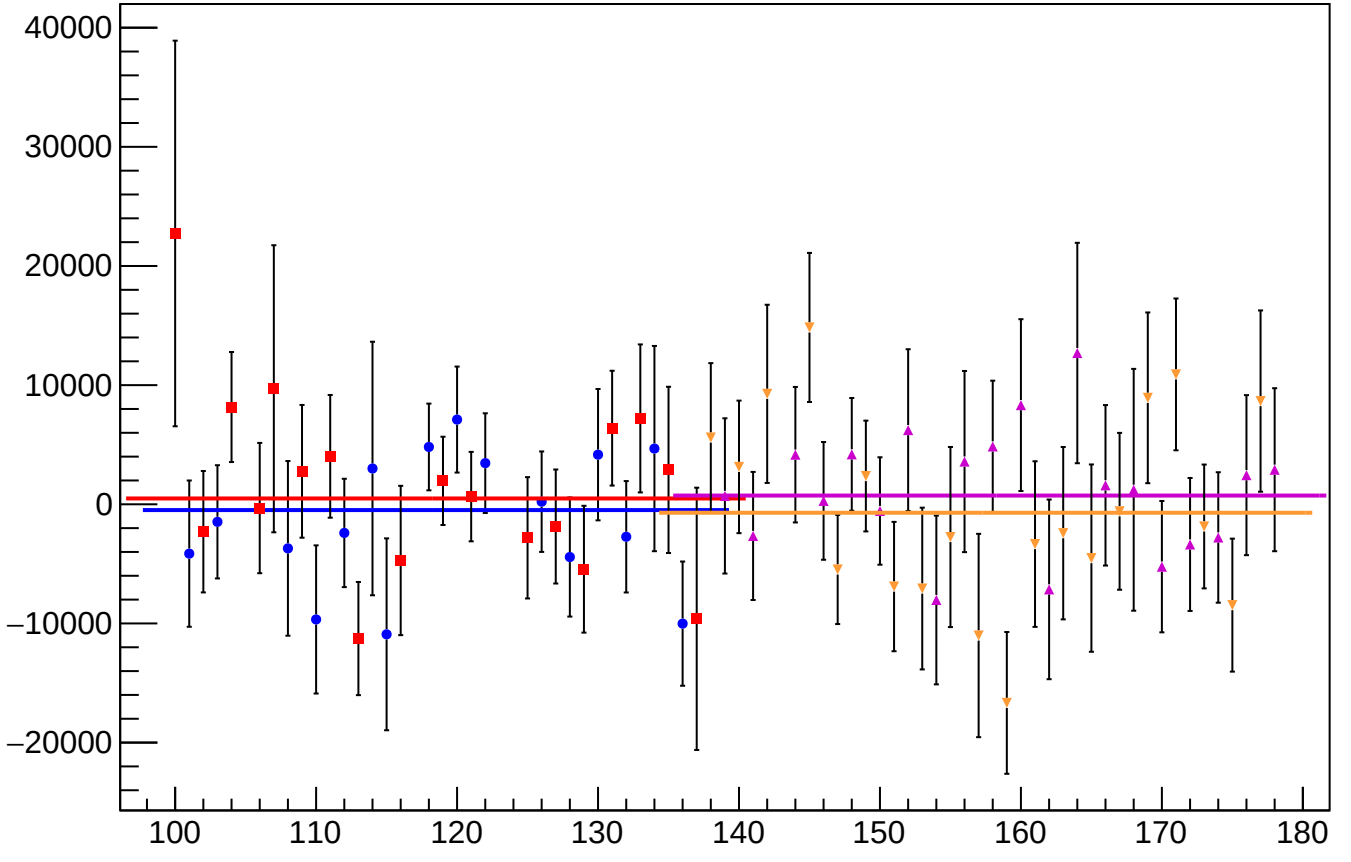
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1495.412+/-0.219 χ^2/NDF:367773.7/35

Out: 1484.802+/-0.219 χ^2/NDF:418470.2/37

All: 1490.122+/-0.155 χ^2/NDF: 787417.2/73

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: 732.609+/-1363.377 χ^2/NDF:10.5/19

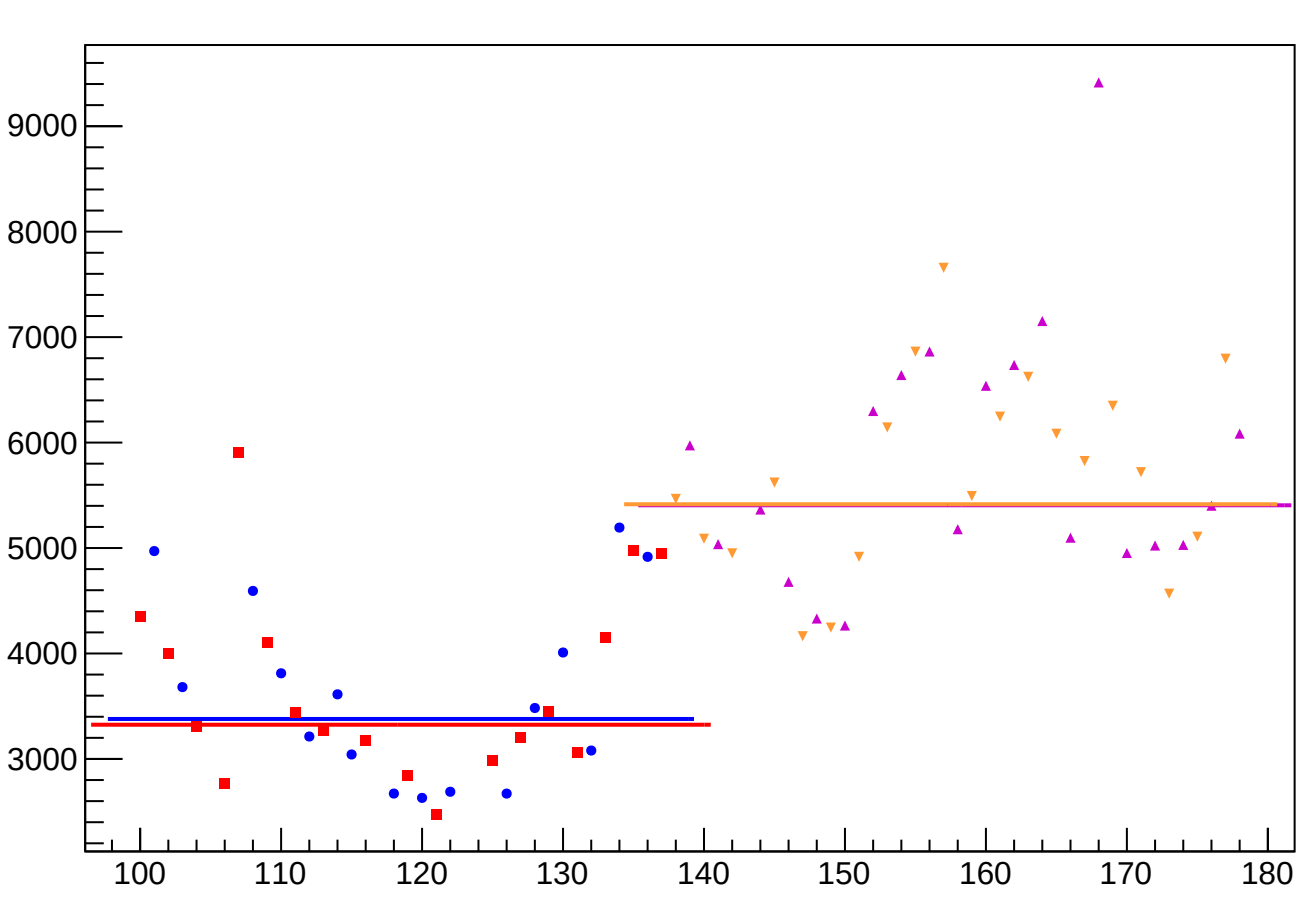
Left: 23.579+/-972.168 χ^2/NDF: 42.0/39

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: 91.653+/-938.919 χ^2/NDF:26.8/35

Out: -54.035+/-933.048 χ^2/NDF:50.1/37

All: 18.352+/-661.830 χ^2/NDF: 76.9/73



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: 5405.219+/-0.964 χ^2/NDF:1022987.7/19

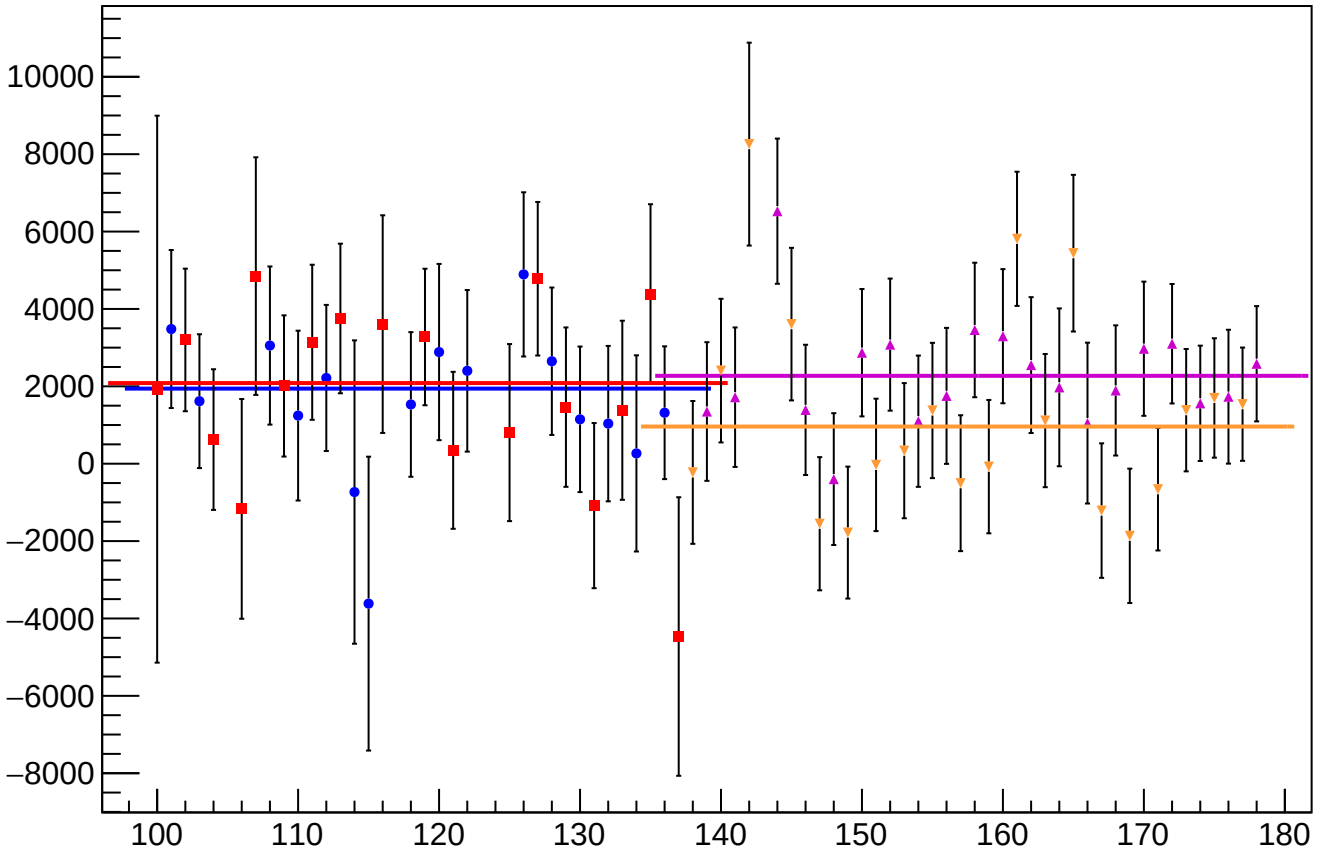
Left: 5410.050+/-0.687 χ^2/NDF: 1837824.1/39

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4340.031+/-0.664 χ^2/NDF:4100462.3/35

Out: 4271.034+/-0.660 χ^2/NDF:3846381.5/37

All: 4305.316+/-0.468 χ^2/NDF: 7952277.8/73



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: 2271.383+/-383.935 χ^2/NDF:11.2/19

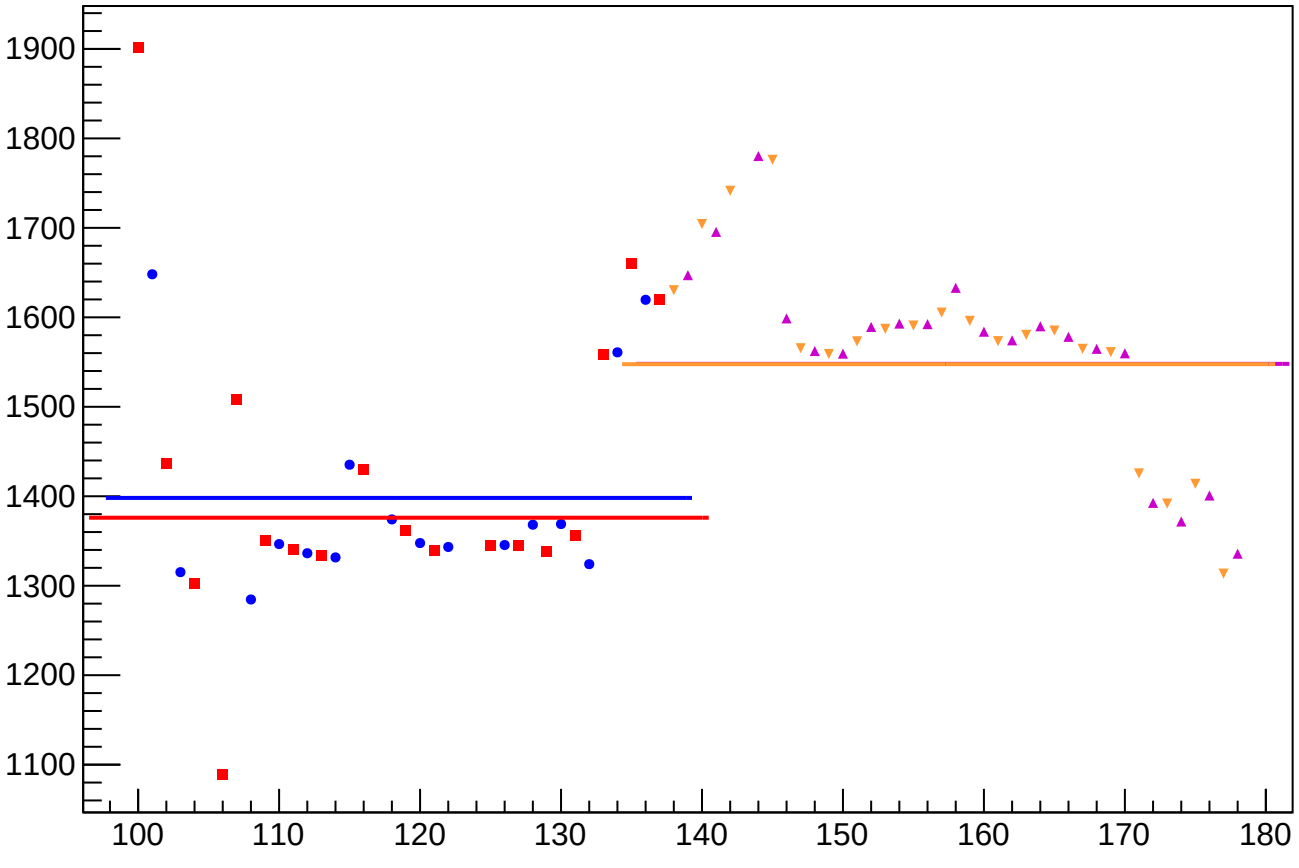
Left: 1625.511+/-273.468 χ^2/NDF: 52.3/39

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2155.460+/-309.322 χ^2/NDF:18.4/35

Out: 1364.851+/-311.713 χ^2/NDF:52.8/37

All: 1763.198+/-219.564 χ^2/NDF: 74.4/73



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: 1547.988+/-0.271 χ^2/NDF:166972.4/19

Left: 1547.809+/-0.193 χ^2/NDF: 329368.0/39

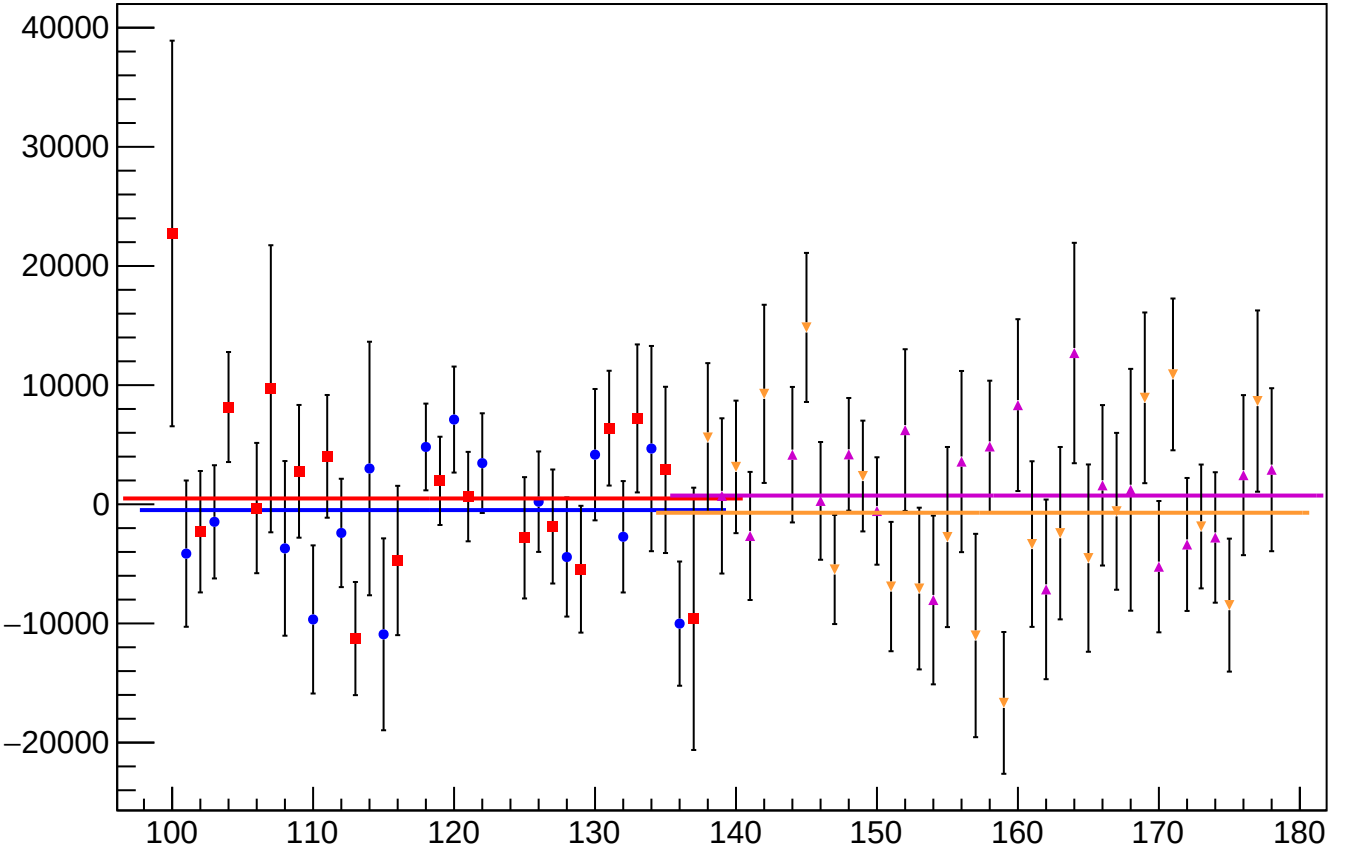
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1495.412+/-0.219 χ^2/NDF:367773.7/35

Out: 1484.802+/-0.219 χ^2/NDF:418470.2/37

All: 1490.122+/-0.155 χ^2/NDF: 787417.2/73

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: 732.609+/-1363.377 χ^2/NDF:10.5/19

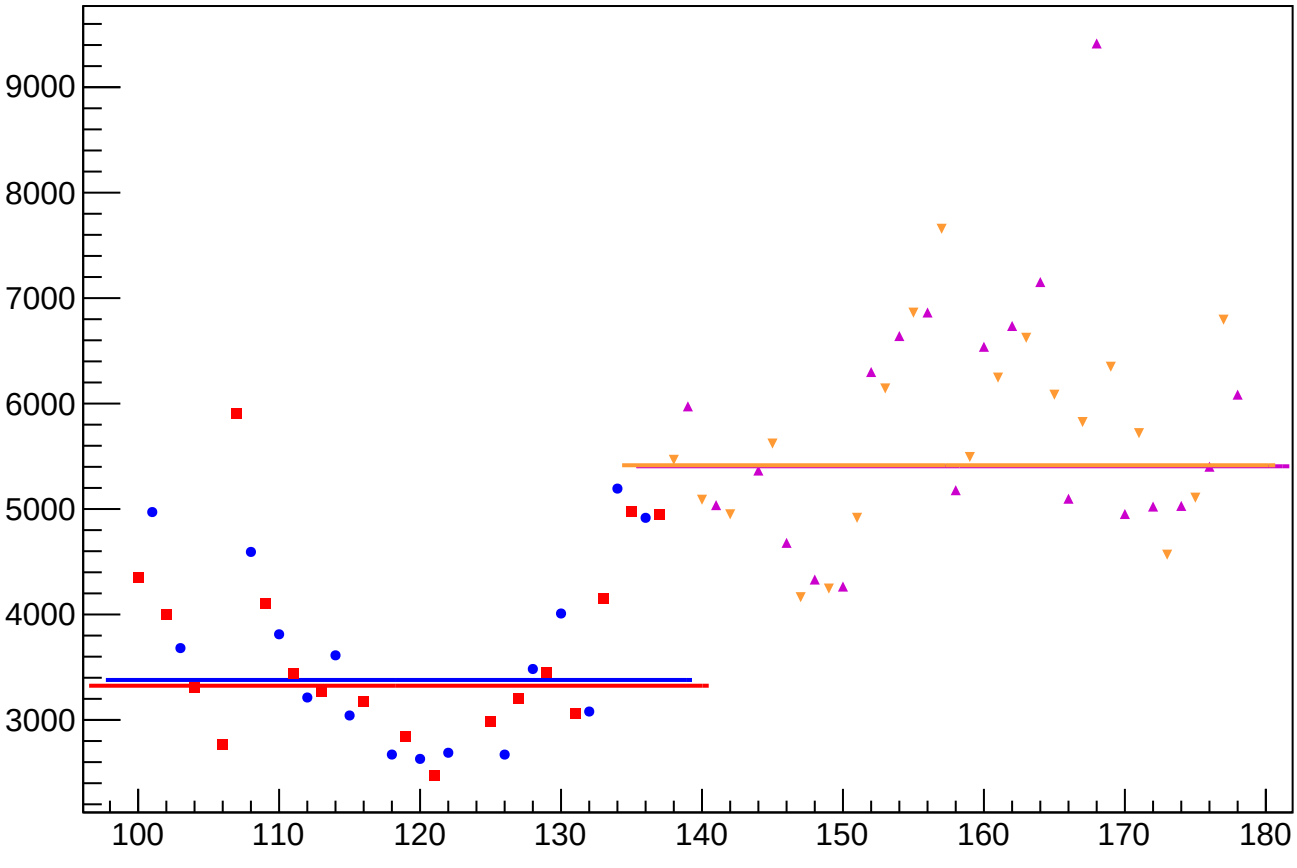
Left: 23.579+/-972.168 χ^2/NDF: 42.0/39

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: 91.653+/-938.919 χ^2/NDF:26.8/35

Out: -54.035+/-933.048 χ^2/NDF:50.1/37

All: 18.352+/-661.830 χ^2/NDF: 76.9/73



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: 5405.219+/-0.964 χ^2/NDF:1022987.7/19

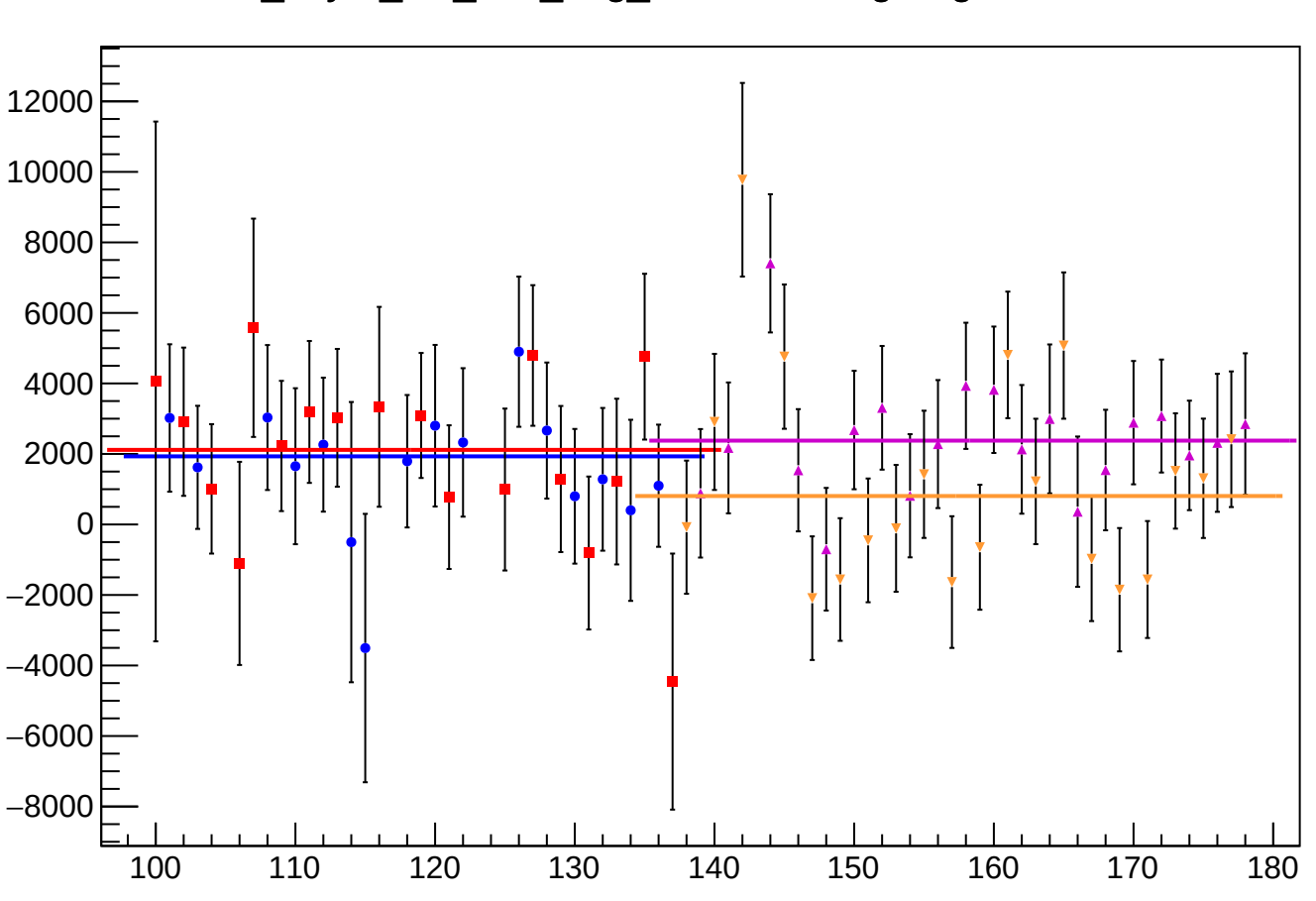
Left: 5410.050+/-0.687 χ^2/NDF: 1837824.1/39

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4340.031+/-0.664 χ^2/NDF:4100462.3/35

Out: 4271.034+/-0.660 χ^2/NDF:3846381.5/37

All: 4305.316+/-0.468 χ^2/NDF: 7952277.8/73



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: 2377.863+/-402.353 χ^2/NDF:14.8/19

Left: 1604.448+/-286.731 χ^2/NDF: 61.6/39

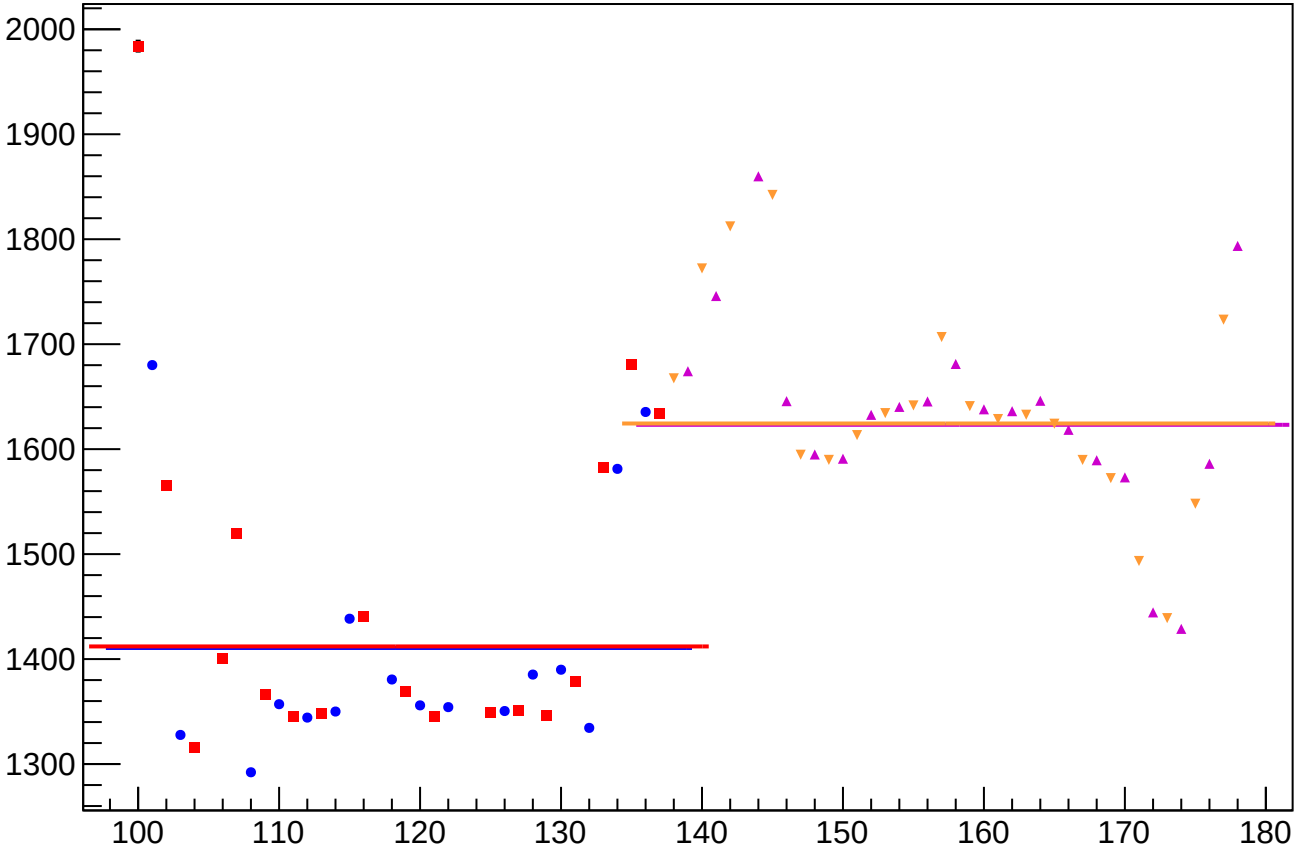
Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2213.558+/-319.832 χ^2/NDF:21.6/35

Out: 1295.843+/-323.385 χ^2/NDF:56.3/37

All: 1759.769+/-227.401 χ^2/NDF: 82.0/73

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: 1623.170+/-0.285 χ^2/NDF:118026.8/19

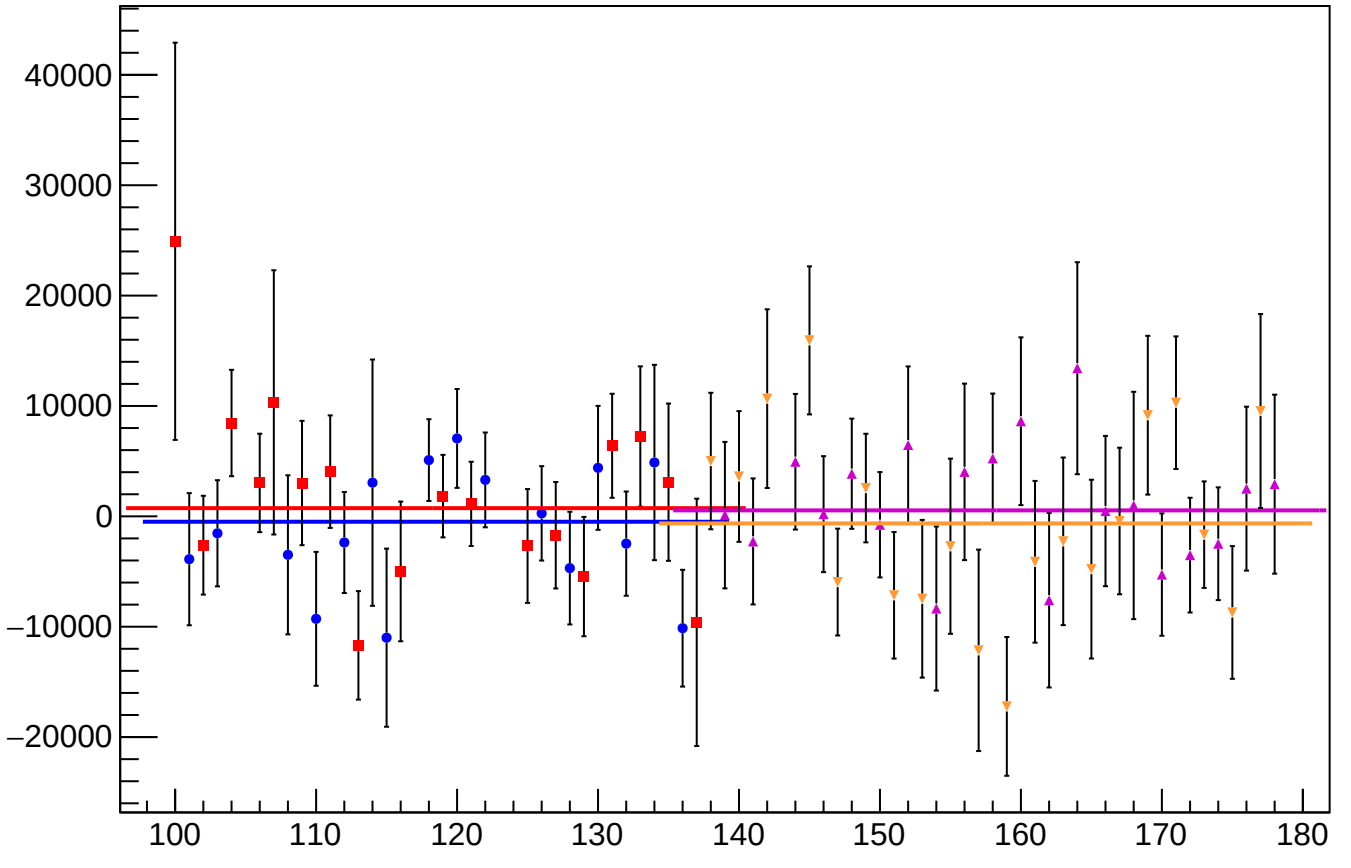
Left: 1623.792+/-0.203 χ^2/NDF: 218719.9/39

Right: 1411.321+/-0.264 χ^2/NDF: 188862.1/33

In: 1544.915+/-0.226 χ^2/NDF:422689.1/35

Out: 1544.739+/-0.228 χ^2/NDF:393031.2/37

All: 1544.828+/-0.161 χ^2/NDF: 815720.6/73



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: 540.744+/-1415.638 χ^2/NDF:10.4/19

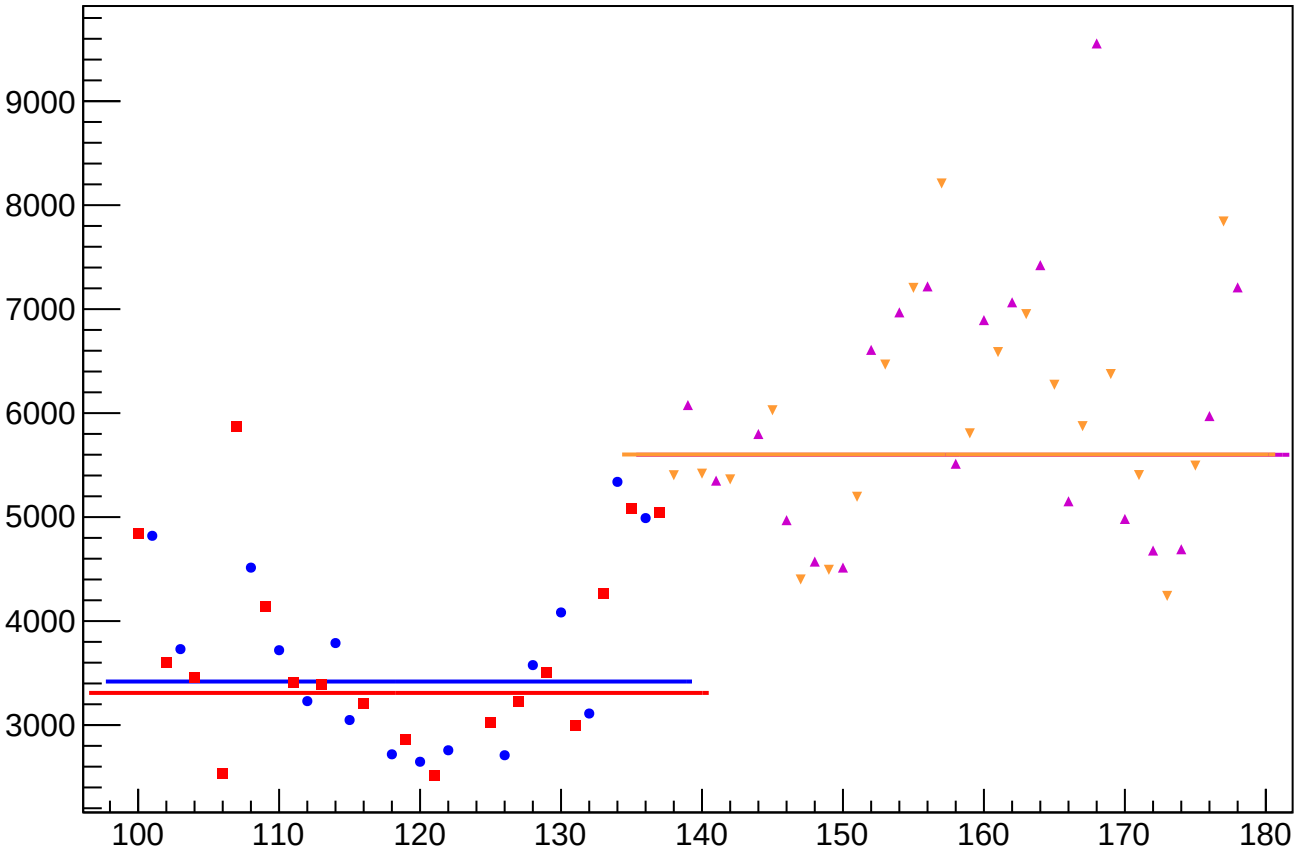
Left: -41.085+/-1008.708 χ^2/NDF: 41.5/39

Right: 154.802+/-903.143 χ^2/NDF: 35.5/33

In: -14.706+/-960.971 χ^2/NDF:26.6/35

Out: 146.842+/-942.423 χ^2/NDF:50.5/37

All: 67.642+/-672.856 χ^2/NDF: 77.0/73



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: 5599.382+/-1.001 χ^2/NDF:1160889.8/19

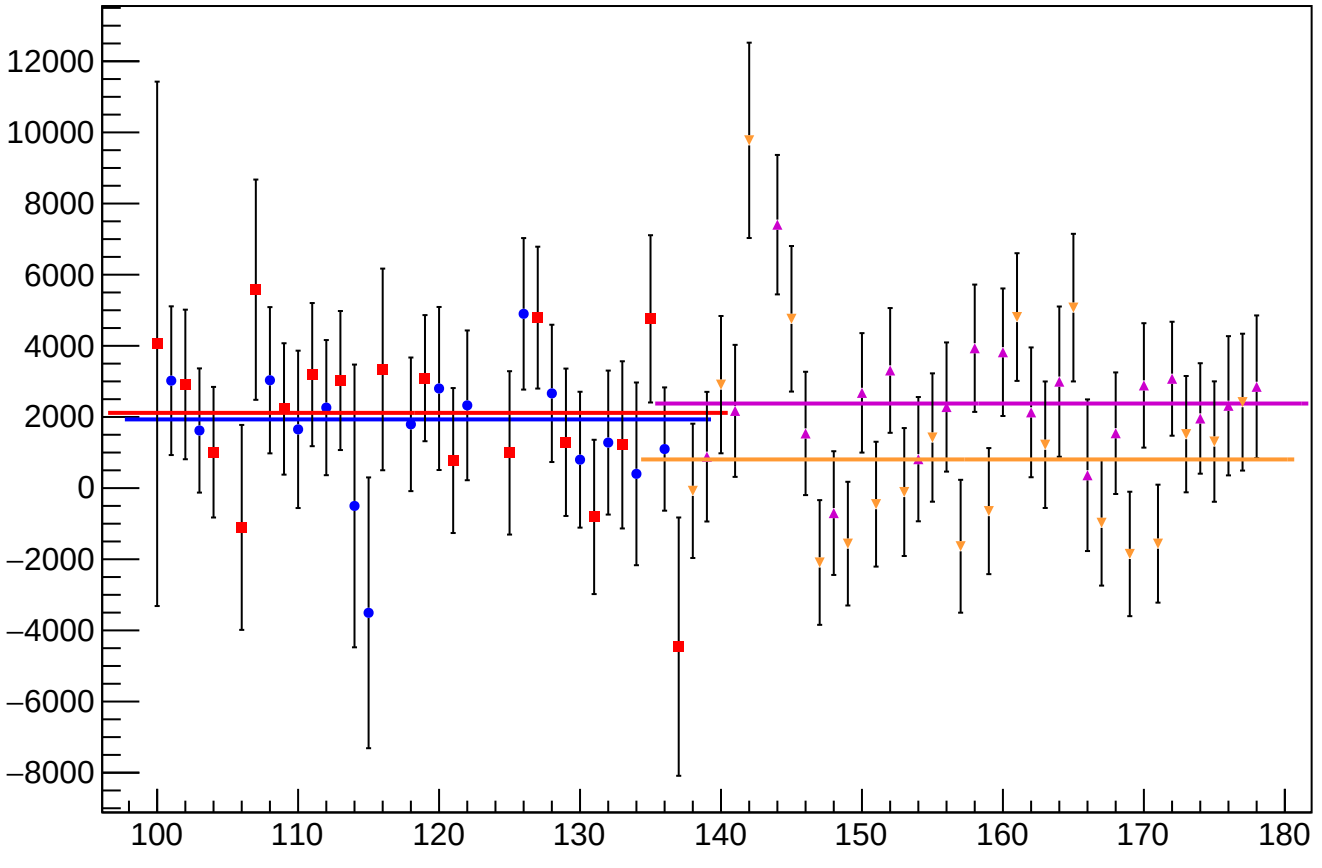
Left: 5600.711+/-0.713 χ^2/NDF: 2116983.2/39

Right: 3361.304+/-0.639 χ^2/NDF: 1300501.2/33

In: 4423.568+/-0.680 χ^2/NDF:4441022.8/35

Out: 4294.414+/-0.666 χ^2/NDF:4429414.7/37

All: 4357.733+/-0.476 χ^2/NDF: 8888852.7/73



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: 2377.865+/-402.354 χ^2/NDF:14.8/19

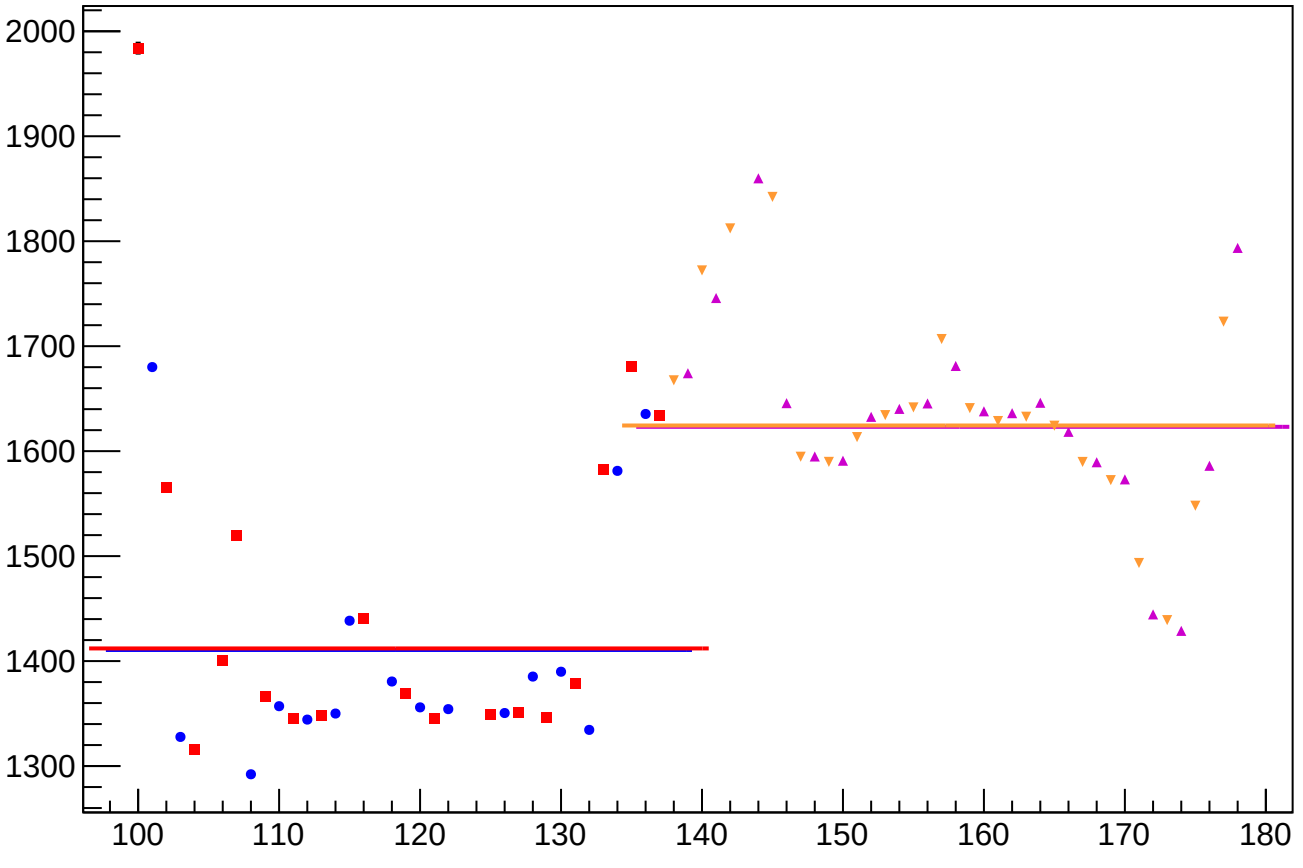
Left: 1604.447+/-286.732 χ^2/NDF: 61.6/39

Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2213.559+/-319.832 χ^2/NDF:21.6/35

Out: 1295.840+/-323.385 χ^2/NDF:56.3/37

All: 1759.768+/-227.401 χ^2/NDF: 82.0/73



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: 1623.171+/-0.285 χ^2/NDF:118031.6/19

Left: 1623.793+/-0.203 χ^2/NDF: 218729.1/39

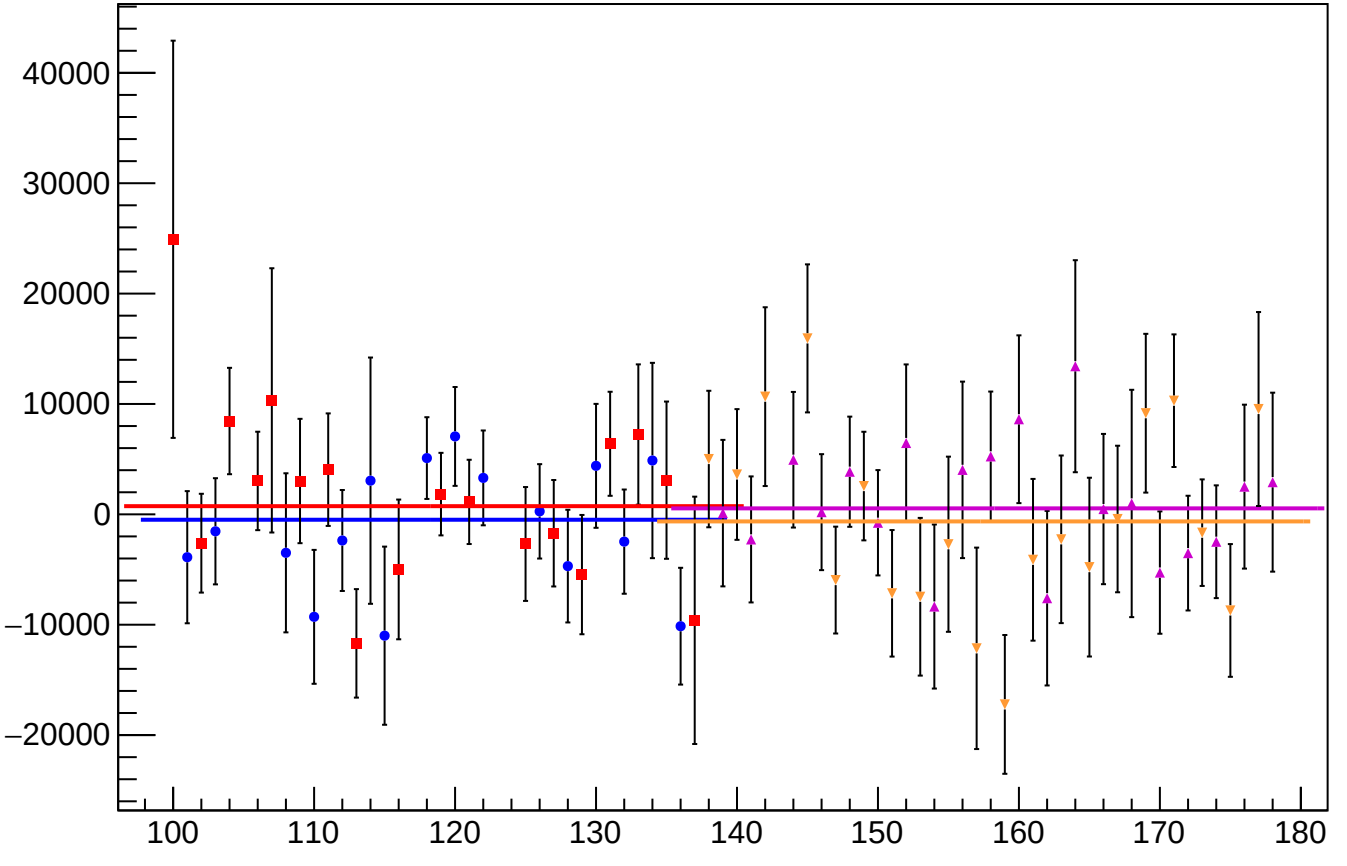
Right: 1411.321+/-0.264 χ^2/NDF: 188862.2/33

In: 1544.916+/-0.226 χ^2/NDF:422695.4/35

Out: 1544.740+/-0.228 χ^2/NDF:393037.7/37

All: 1544.829+/-0.161 χ^2/NDF: 815733.4/73

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: 540.745+/-1415.640 χ^2/NDF:10.4/19

Left: -41.088+/-1008.709 χ^2/NDF: 41.5/39

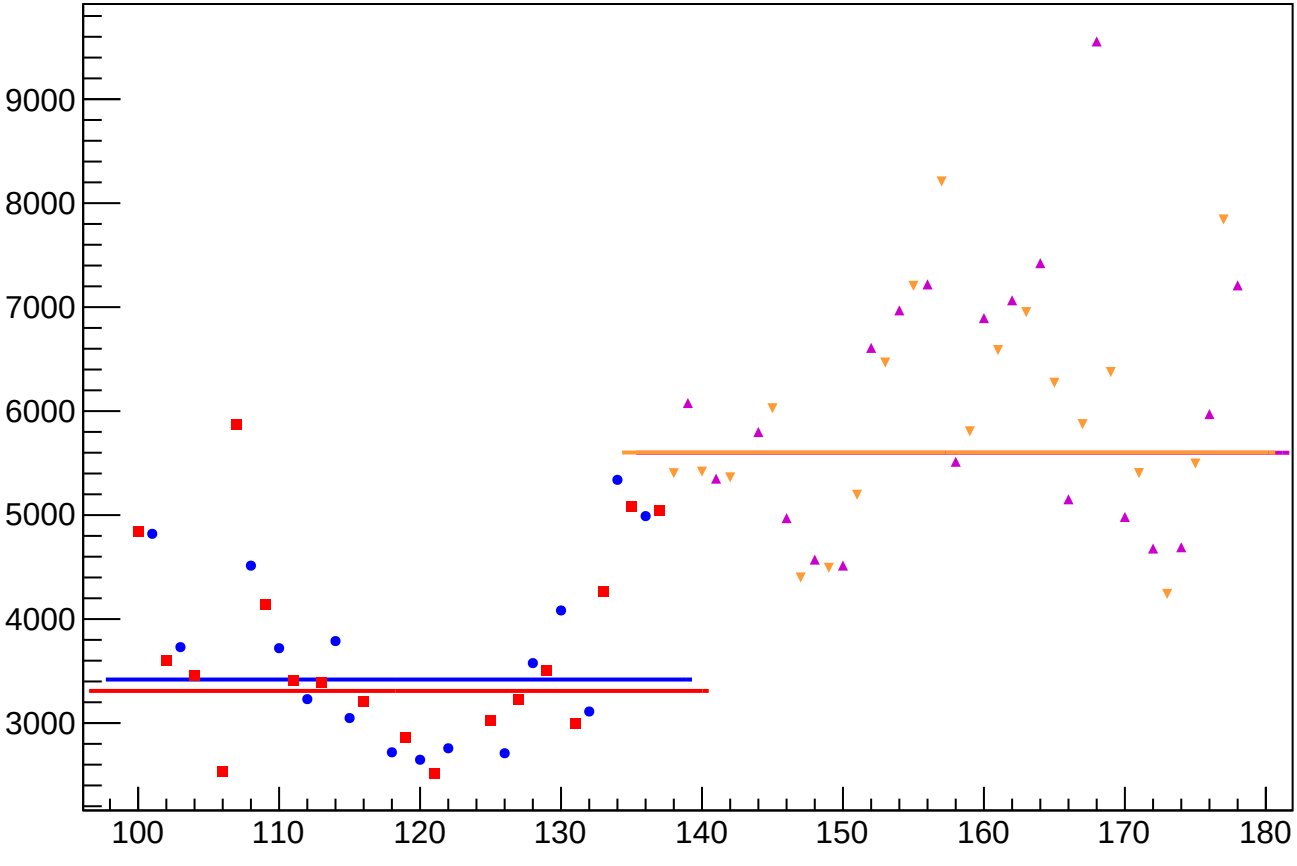
Right: 154.807+/-903.141 χ^2/NDF: 35.5/33

In: -14.704+/-960.971 χ^2/NDF:26.6/35

Out: 146.843+/-942.422 χ^2/NDF:50.5/37

All: 67.644+/-672.855 χ^2/NDF: 77.0/73

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: 5599.390+/-1.001 χ^2/NDF:1160890.8/19

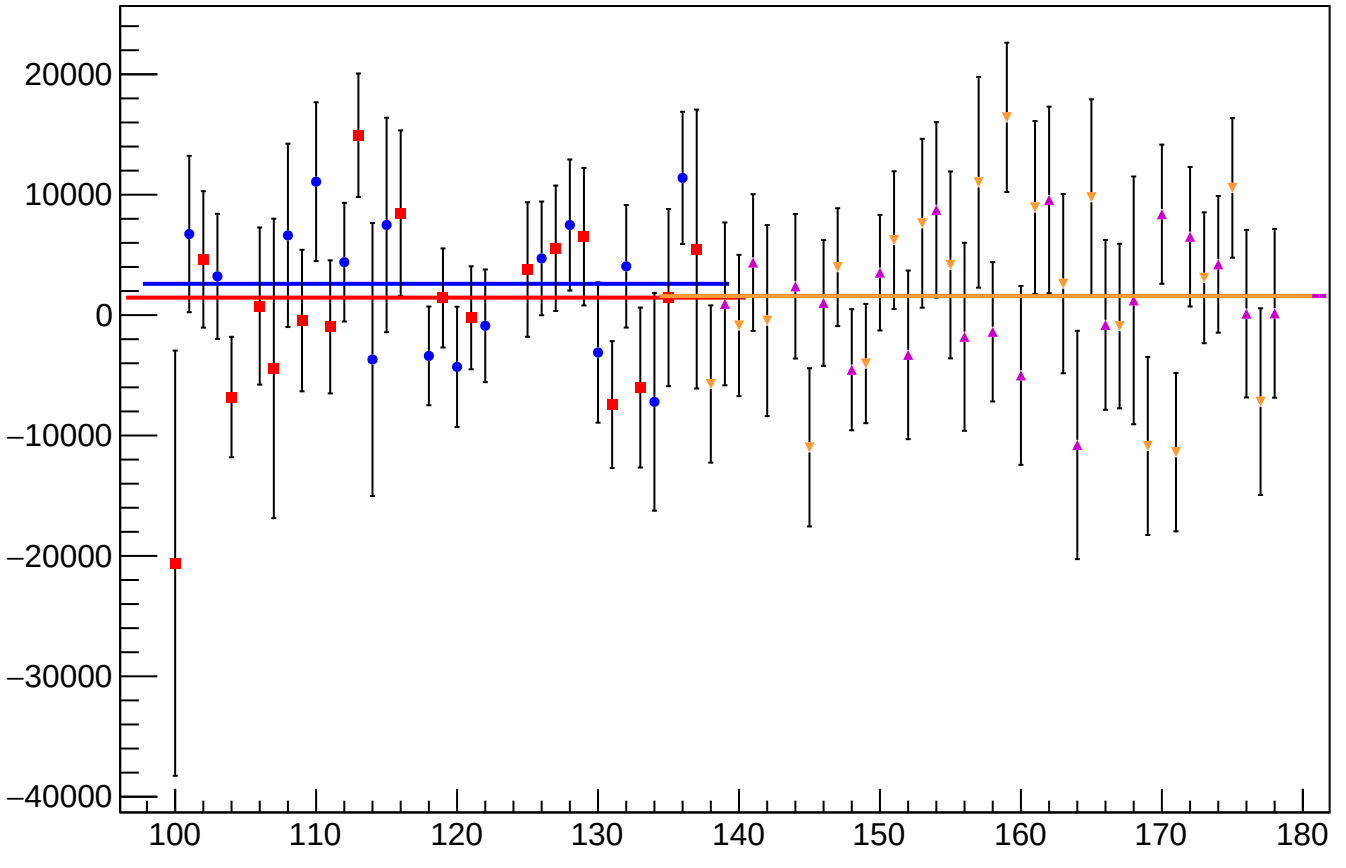
Left: 5600.720+/-0.713 χ^2/NDF: 2116984.6/39

Right: 3361.294+/-0.639 χ^2/NDF: 1300513.6/33

In: 4423.561+/-0.680 χ^2/NDF:4441081.4/35

Out: 4294.407+/-0.666 χ^2/NDF:4429469.2/37

All: 4357.726+/-0.476 χ^2/NDF: 8888965.7/73



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: 1592.439+/-1424.330 χ^2/NDF:9.9/19

Left: 1588.142+/-1015.785 χ^2/NDF: 37.7/39

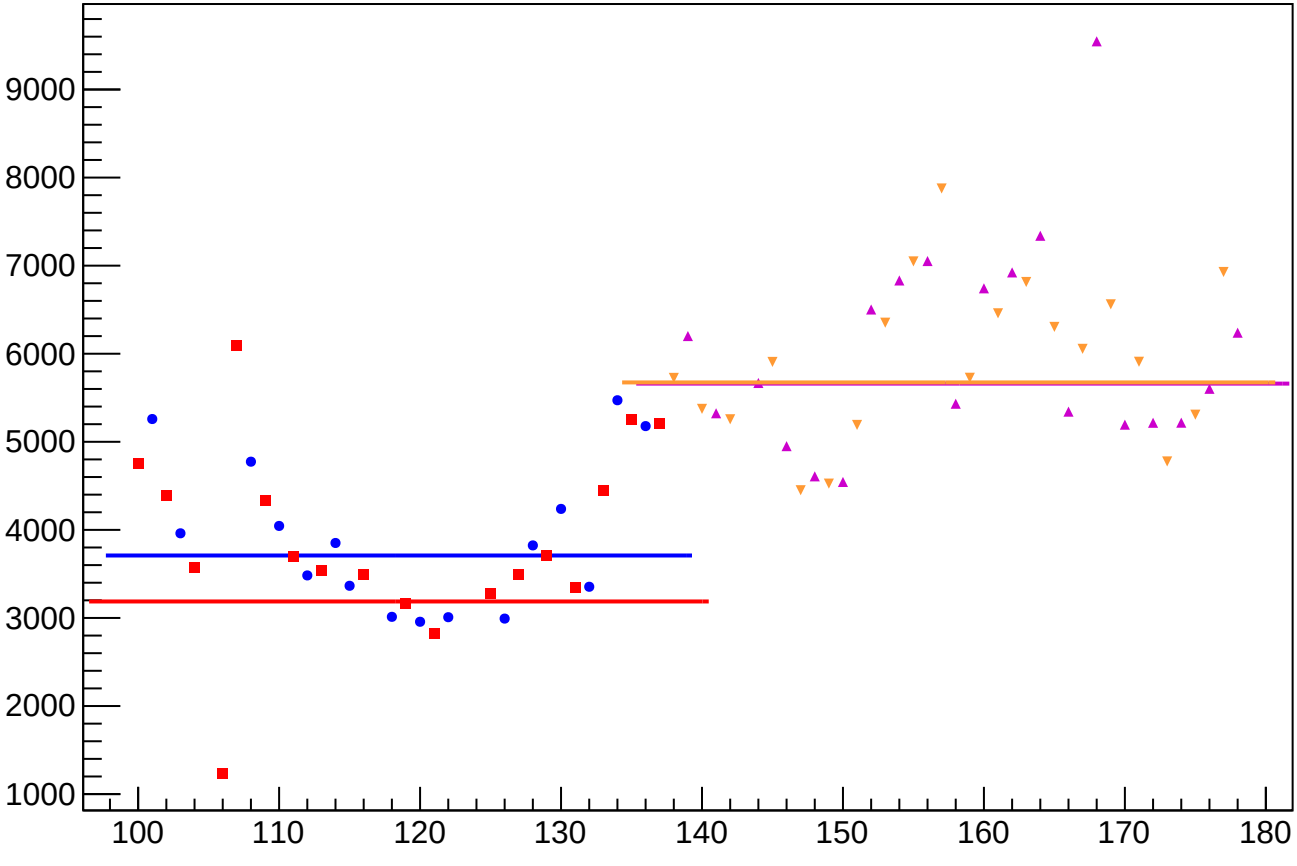
Right: 2012.006+/-988.811 χ^2/NDF: 32.9/33

In: 2099.518+/-1003.659 χ^2/NDF:23.6/35

Out: 1513.940+/-1000.399 χ^2/NDF:46.8/37

All: 1805.777+/-708.539 χ^2/NDF: 70.6/73

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



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: 5660.698+/-1.007 χ^2/NDF:898084.5/19

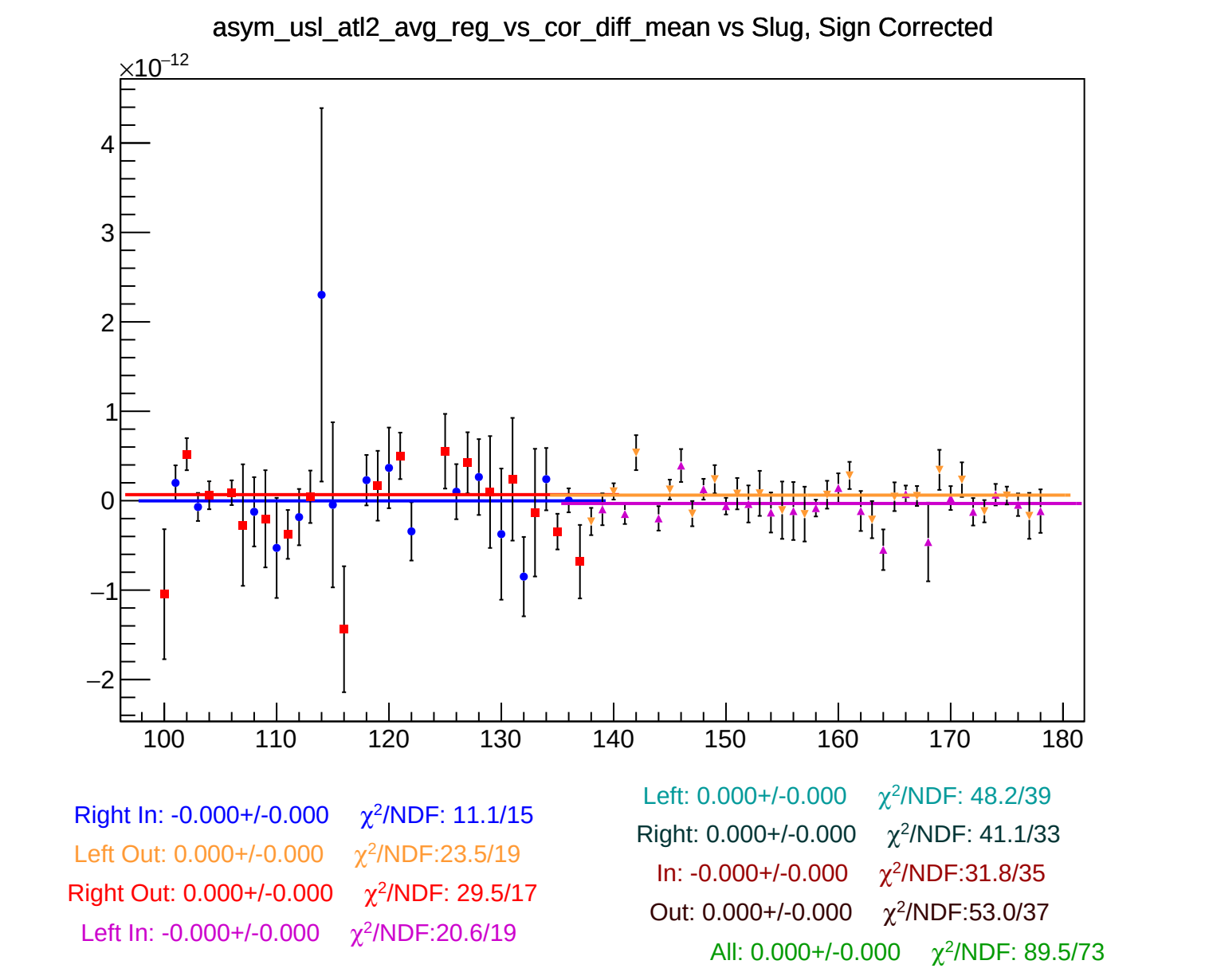
Left: 5667.334+/-0.718 χ^2/NDF: 1601822.2/39

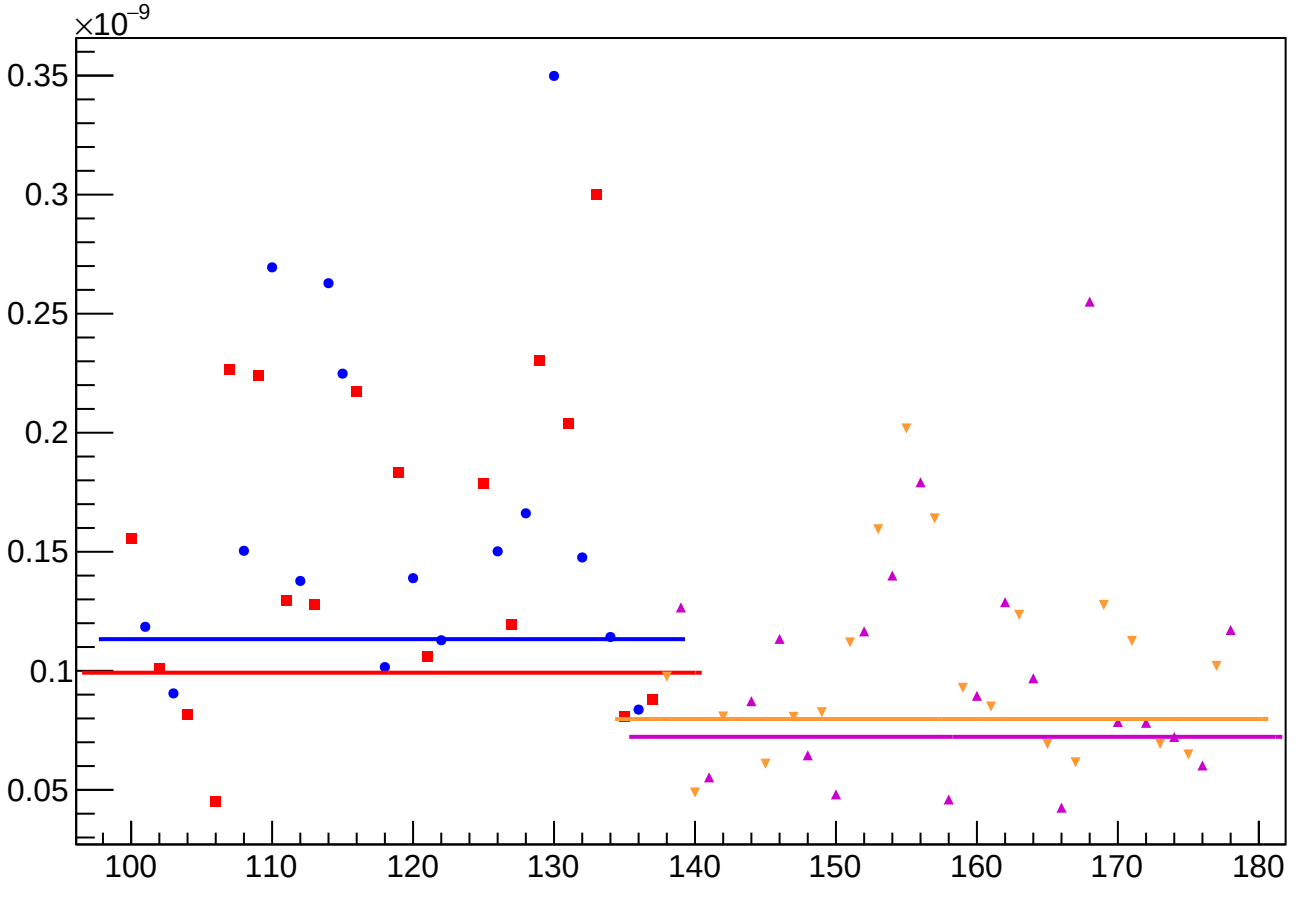
Right: 3419.452+/-0.667 χ^2/NDF: 2372609.3/33

In: 4678.166+/-0.710 χ^2/NDF:3399035.4/35

Out: 4264.273+/-0.674 χ^2/NDF:5654348.2/37

All: 4460.644+/-0.489 χ^2/NDF: 9232134.6/73


asym_usl_atl2_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: 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:20.6/19
Left: 0.000+/-0.000 χ²/NDF: 48.2/39
Right: 0.000+/-0.000 χ²/NDF: 41.1/33
In: -0.000+/-0.000 χ²/NDF:31.8/35
Out: 0.000+/-0.000 χ²/NDF:53.0/37
All: 0.000+/-0.000 χ²/NDF: 89.5/73



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:1954231.7/19

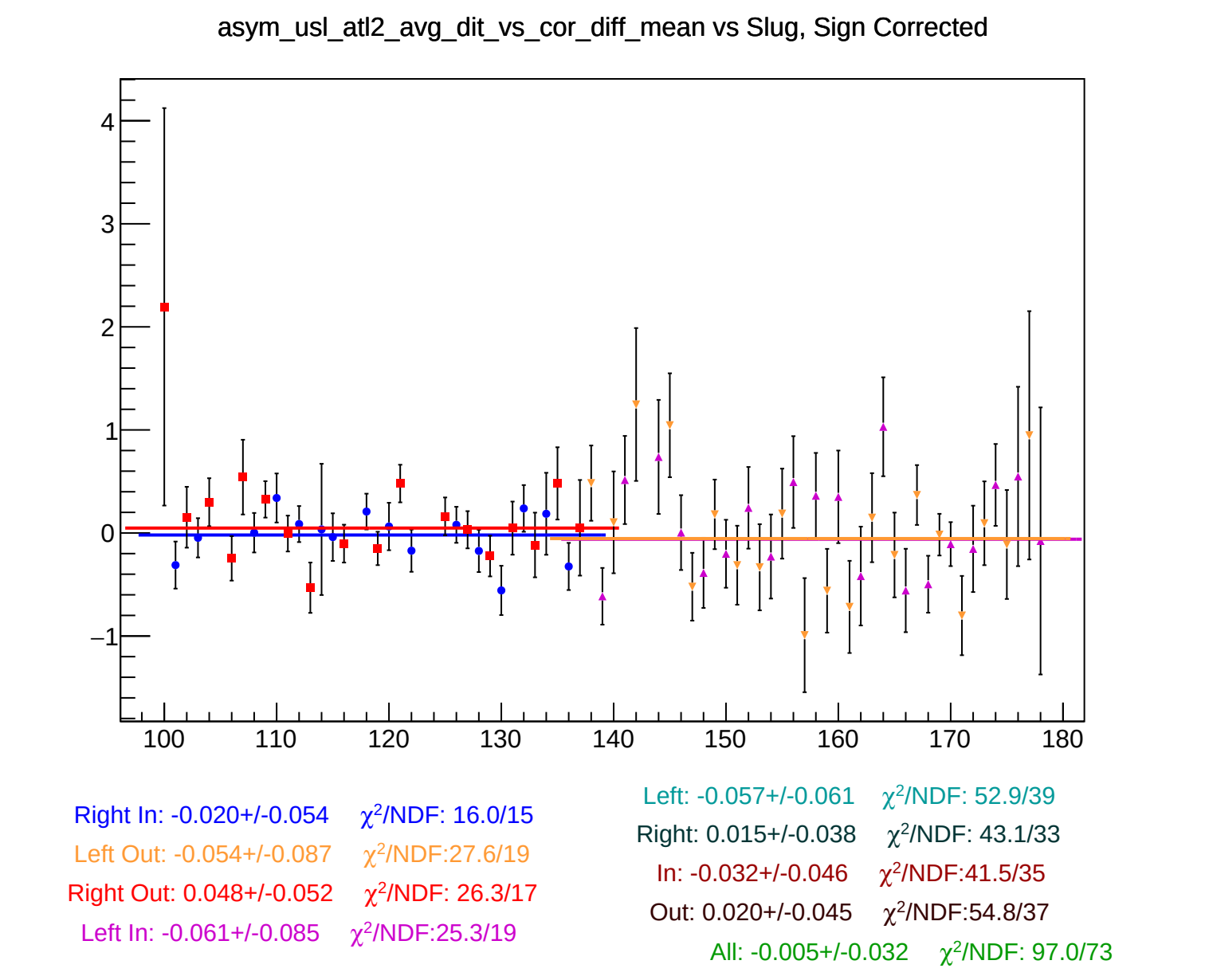
Left: 0.000+/-0.000 χ^2/NDF: 3419083.6/39

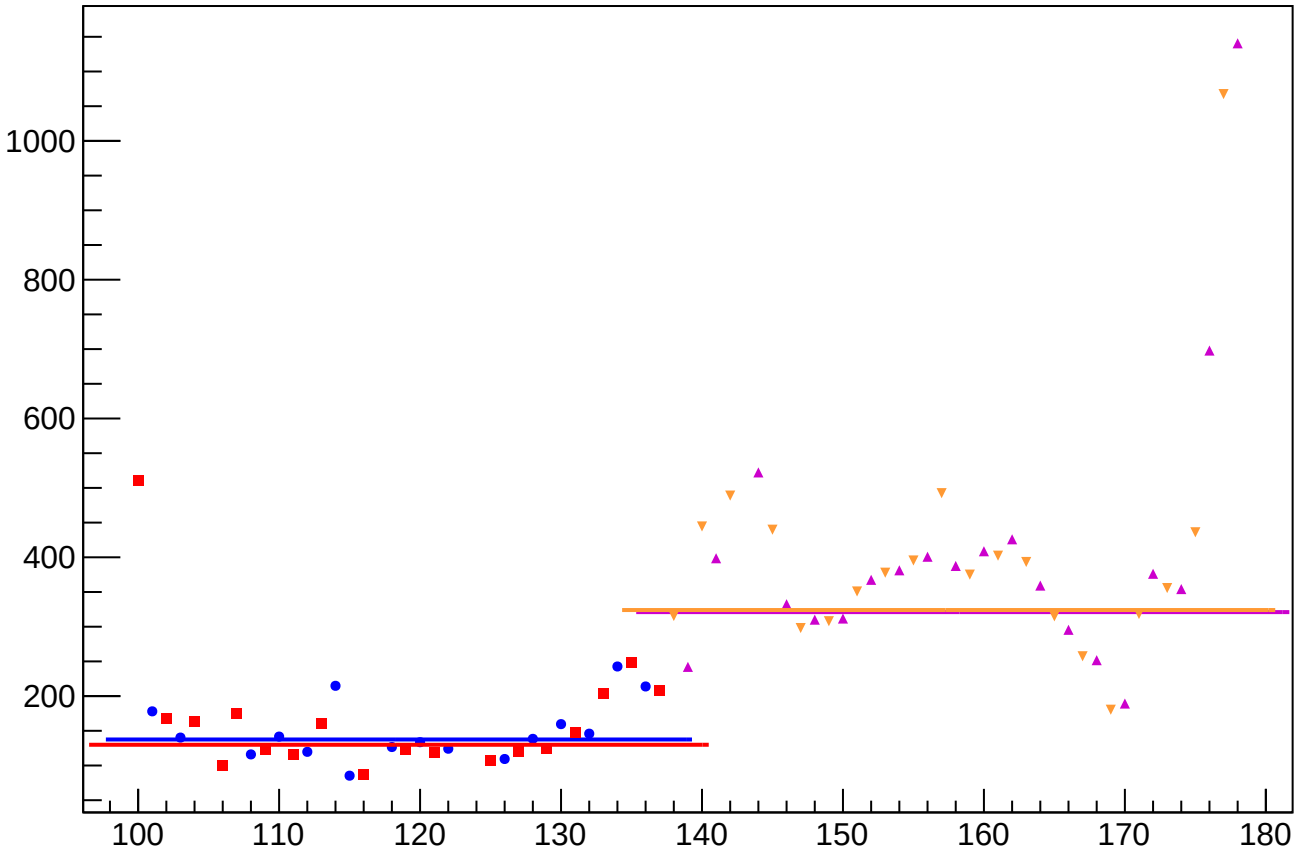
Right: 0.000+/-0.000 χ^2/NDF: 1799459.5/33

In: 0.000+/-0.000 χ^2/NDF:3173536.8/35

Out: 0.000+/-0.000 χ^2/NDF:2652488.4/37

All: 0.000+/-0.000 χ^2/NDF: 5850062.9/73


asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
3
2
1
0
−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: -0.061+/-0.085 χ²/NDF:25.3/19
Left: -0.057+/-0.061 χ²/NDF: 52.9/39
Right: 0.015+/-0.038 χ²/NDF: 43.1/33
In: -0.032+/-0.046 χ²/NDF:41.5/35
Out: 0.020+/-0.045 χ²/NDF:54.8/37
All: -0.005+/-0.032 χ²/NDF: 97.0/73



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: 321.032+/-0.060 χ^2/NDF:2993056.0/19

Left: 322.483+/-0.043 χ^2/NDF: 5740257.1/39

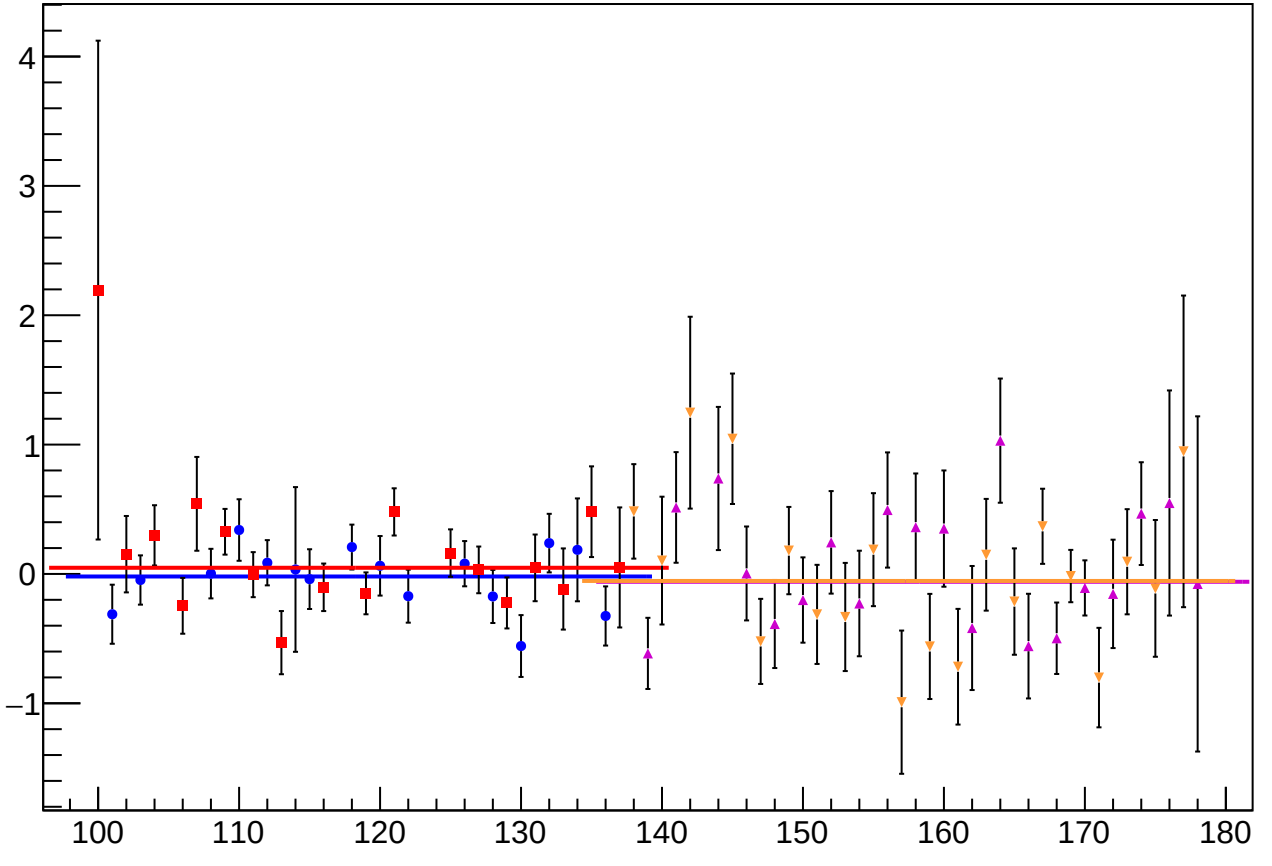
Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 190.821+/-0.032 χ^2/NDF:10348348.8/35

Out: 181.698+/-0.032 χ^2/NDF:10879686.7/37

All: 186.188+/-0.023 χ^2/NDF: 21268589.8/73

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: -0.061+/-0.085 χ^2/NDF:25.3/19

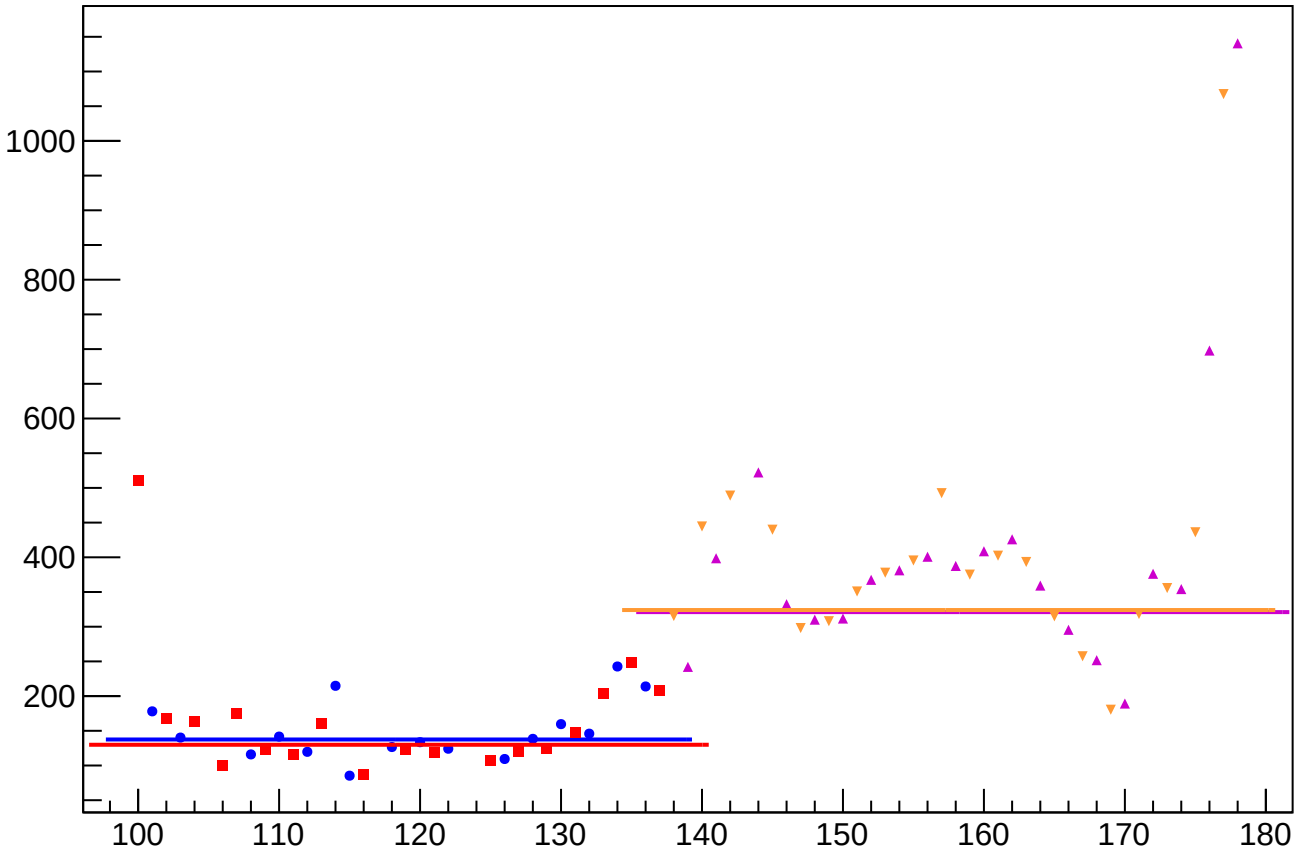
Left: -0.057+/-0.061 χ^2/NDF: 52.9/39

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.032+/-0.046 χ^2/NDF:41.5/35

Out: 0.020+/-0.045 χ^2/NDF:54.8/37

All: -0.005+/-0.032 χ^2/NDF: 97.0/73



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: 321.032+/-0.060 χ^2/NDF:2993056.0/19

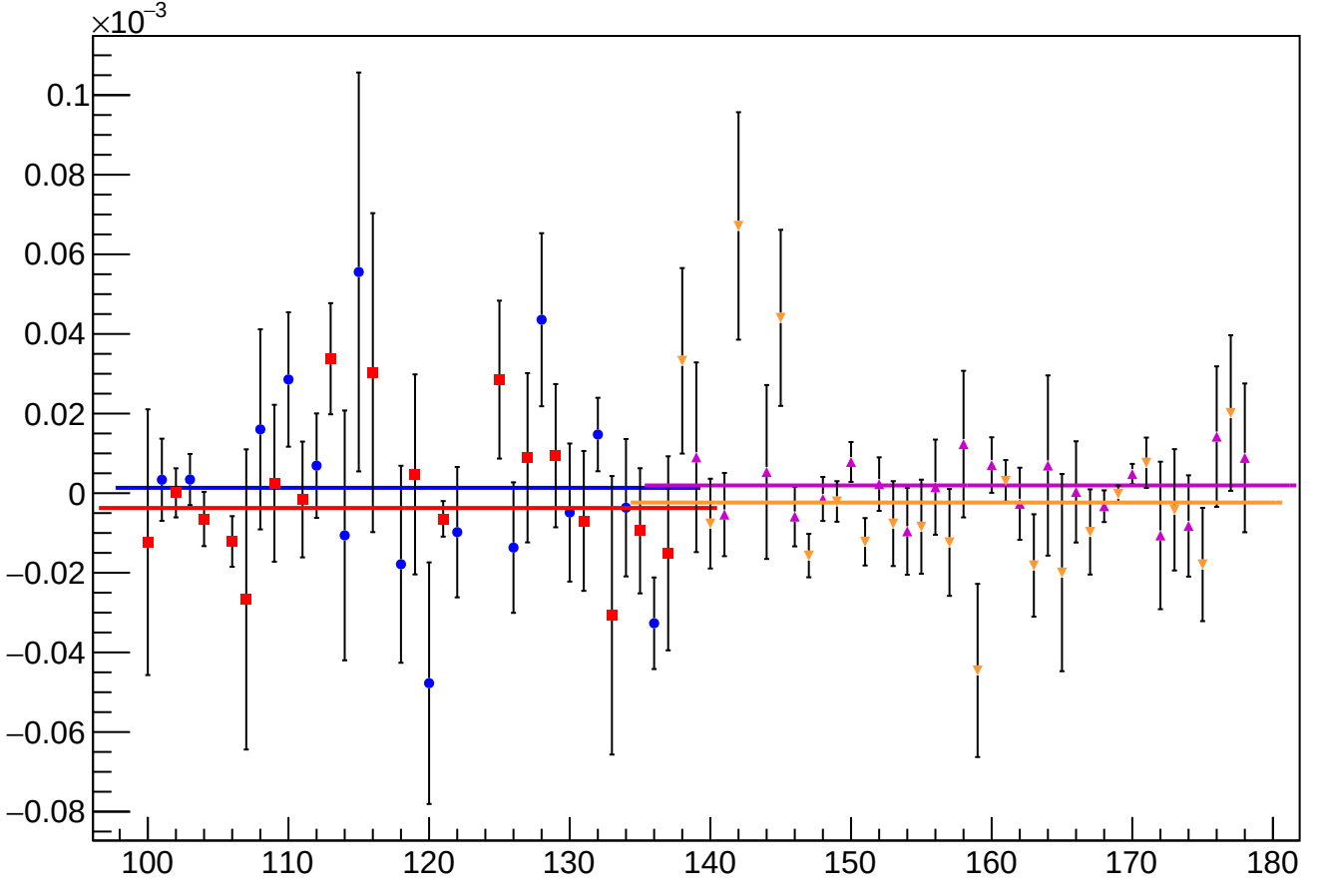
Left: 322.483+/-0.043 χ^2/NDF: 5740257.1/39

Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 190.821+/-0.032 χ^2/NDF:10348348.8/35

Out: 181.698+/-0.032 χ^2/NDF:10879686.7/37

All: 186.188+/-0.023 χ^2/NDF: 21268589.8/73



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:10.4/19

Left: -0.000+/-0.000 χ^2/NDF: 50.6/39

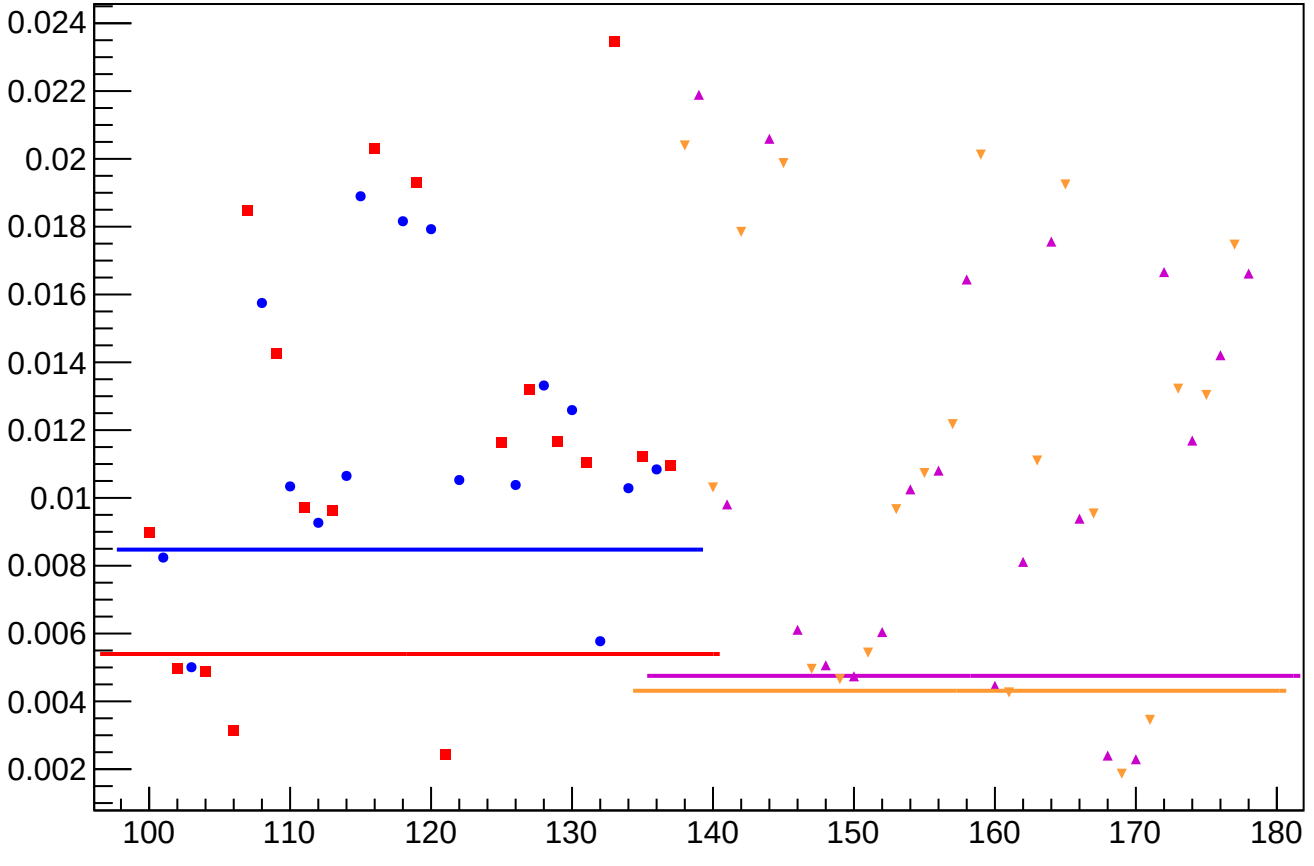
Right: -0.000+/-0.000 χ^2/NDF: 41.1/33

In: 0.000+/-0.000 χ^2/NDF:34.4/35

Out: -0.000+/-0.000 χ^2/NDF:52.1/37

All: -0.000+/-0.000 χ^2/NDF: 92.2/73

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:11067687.2/19

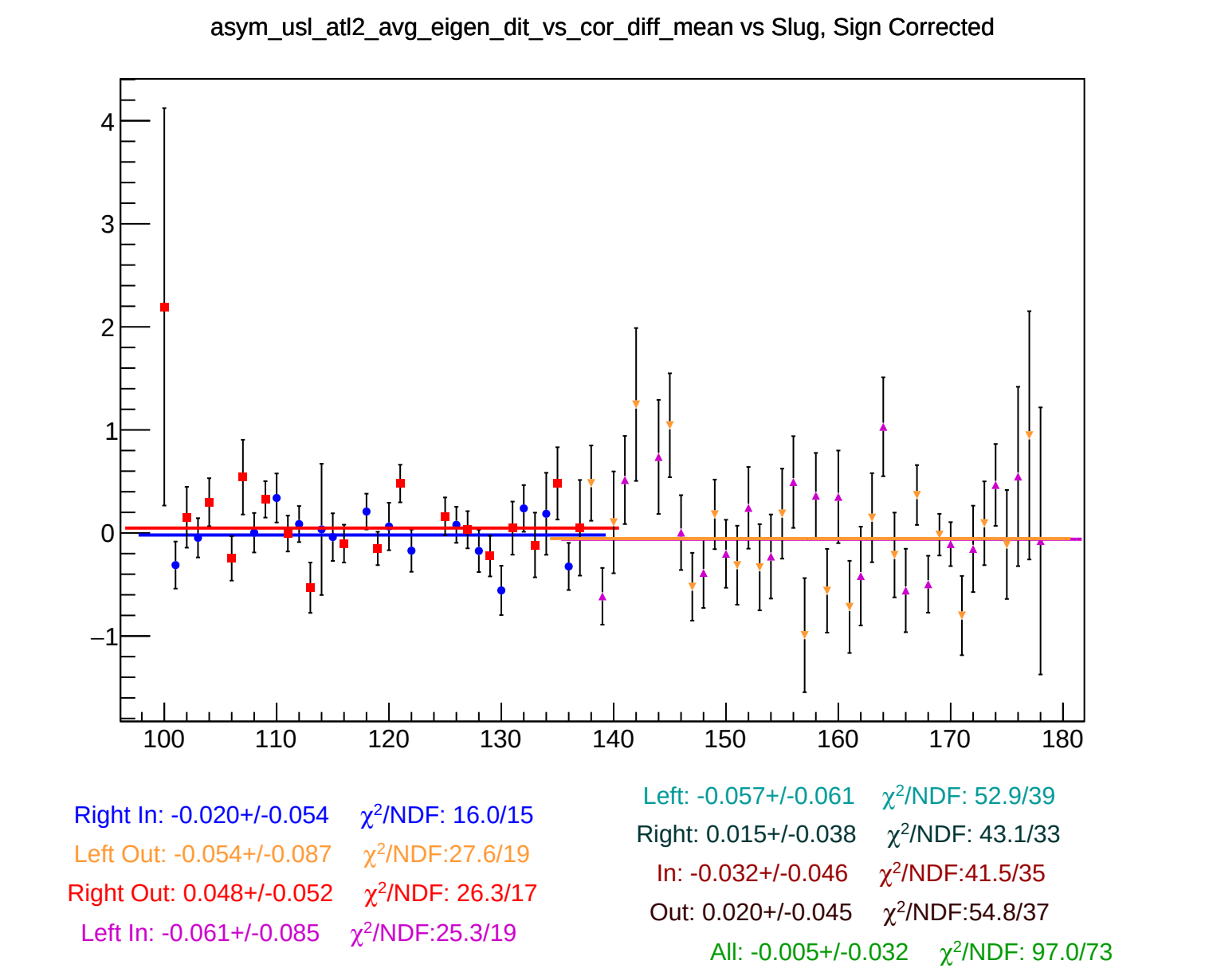
Left: 0.005+/-0.000 χ^2/NDF: 23967198.4/39

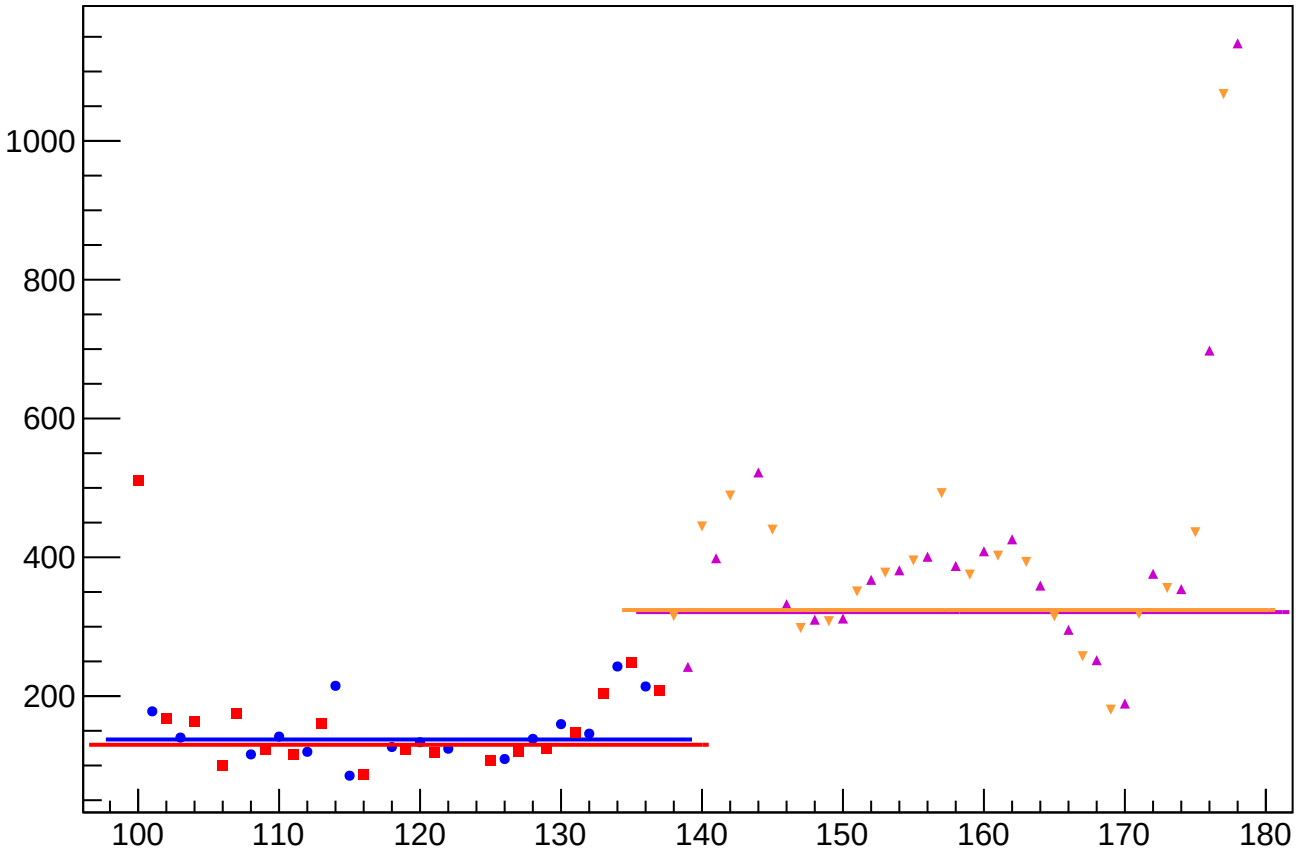
Right: 0.006+/-0.000 χ^2/NDF: 7872620.7/33

In: 0.005+/-0.000 χ^2/NDF:14933777.9/35

Out: 0.005+/-0.000 χ^2/NDF:17998665.1/37

All: 0.005+/-0.000 χ^2/NDF: 33276345.6/73


asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
3
2
1
0
−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: -0.061+/-0.085 χ²/NDF:25.3/19
Left: -0.057+/-0.061 χ²/NDF: 52.9/39
Right: 0.015+/-0.038 χ²/NDF: 43.1/33
In: -0.032+/-0.046 χ²/NDF:41.5/35
Out: 0.020+/-0.045 χ²/NDF:54.8/37
All: -0.005+/-0.032 χ²/NDF: 97.0/73



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: 321.035+/-0.060 χ^2/NDF:2993055.1/19

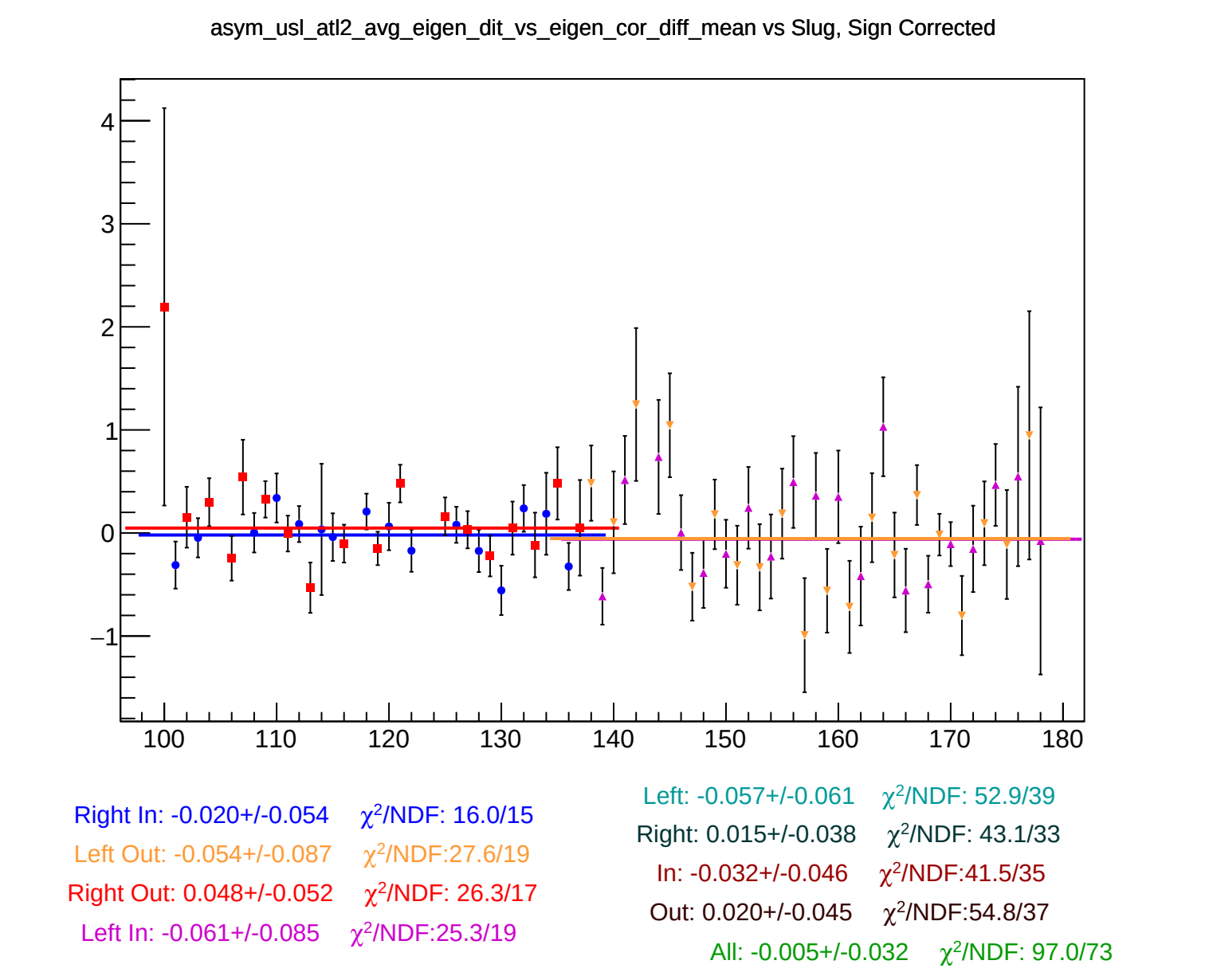
Left: 322.485+/-0.043 χ^2/NDF: 5740313.7/39

Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

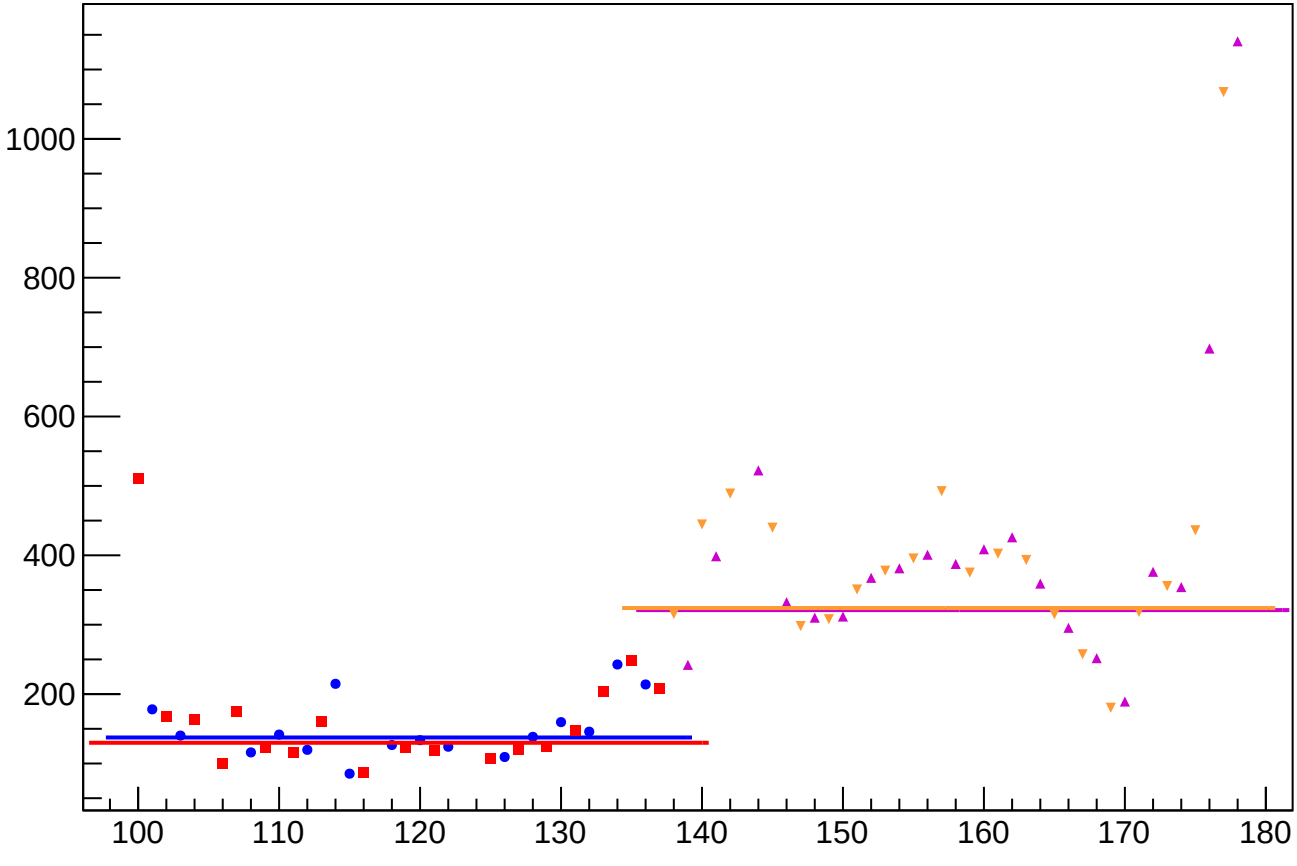
In: 190.821+/-0.032 χ^2/NDF:10348459.0/35

Out: 181.698+/-0.032 χ^2/NDF:10879773.3/37

All: 186.188+/-0.023 χ^2/NDF: 21268787.2/73


asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
4
3
2
1
0
−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: -0.061+/-0.085 χ²/NDF:25.3/19
Left: -0.057+/-0.061 χ²/NDF: 52.9/39
Right: 0.015+/-0.038 χ²/NDF: 43.1/33
In: -0.032+/-0.046 χ²/NDF:41.5/35
Out: 0.020+/-0.045 χ²/NDF:54.8/37
All: -0.005+/-0.032 χ²/NDF: 97.0/73

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 324.015+/-0.062 χ^2/NDF:2746054.3/19

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 321.035+/-0.060 χ^2/NDF:2993055.1/19

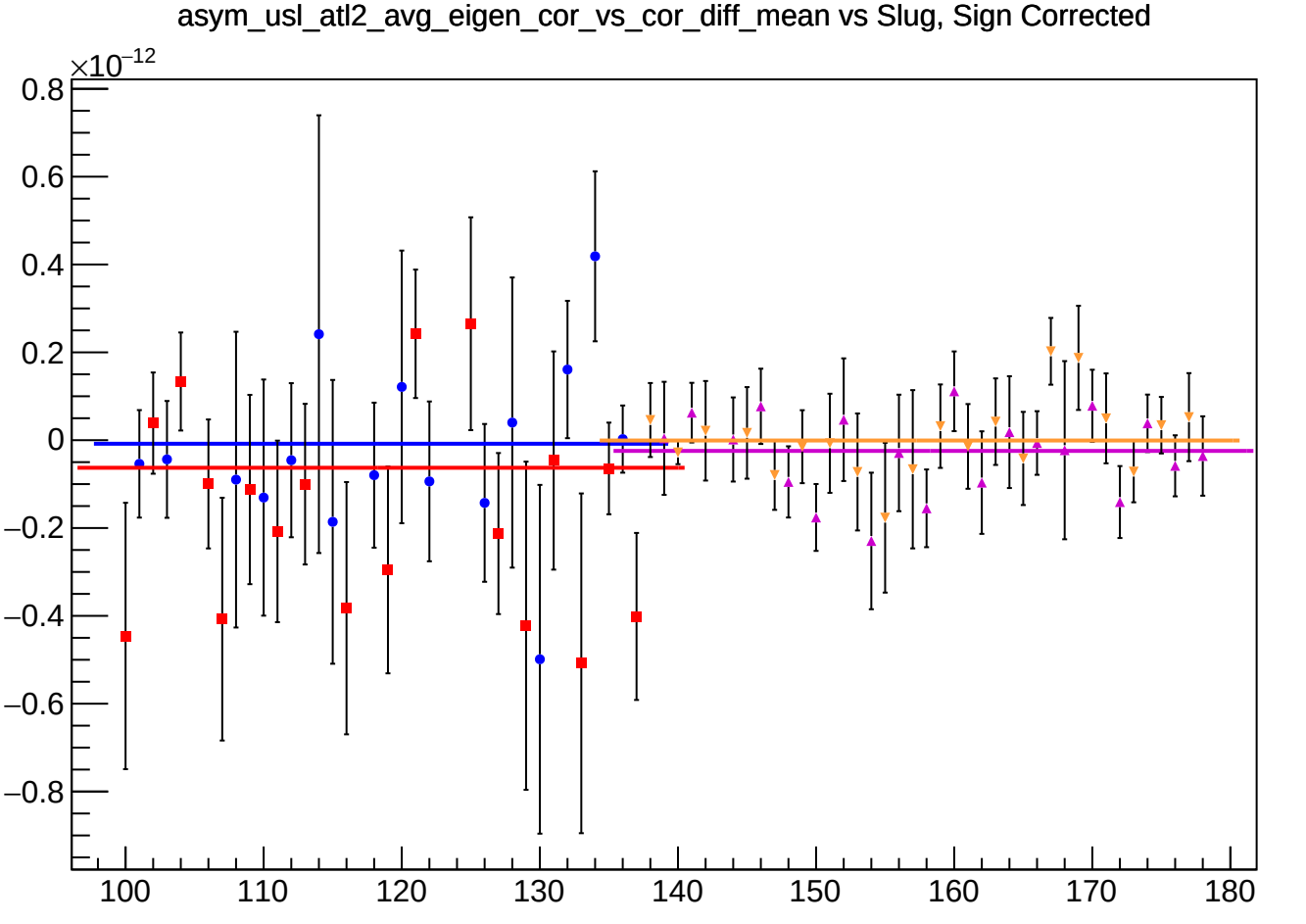
Left: 322.485+/-0.043 χ^2/NDF: 5740313.7/39

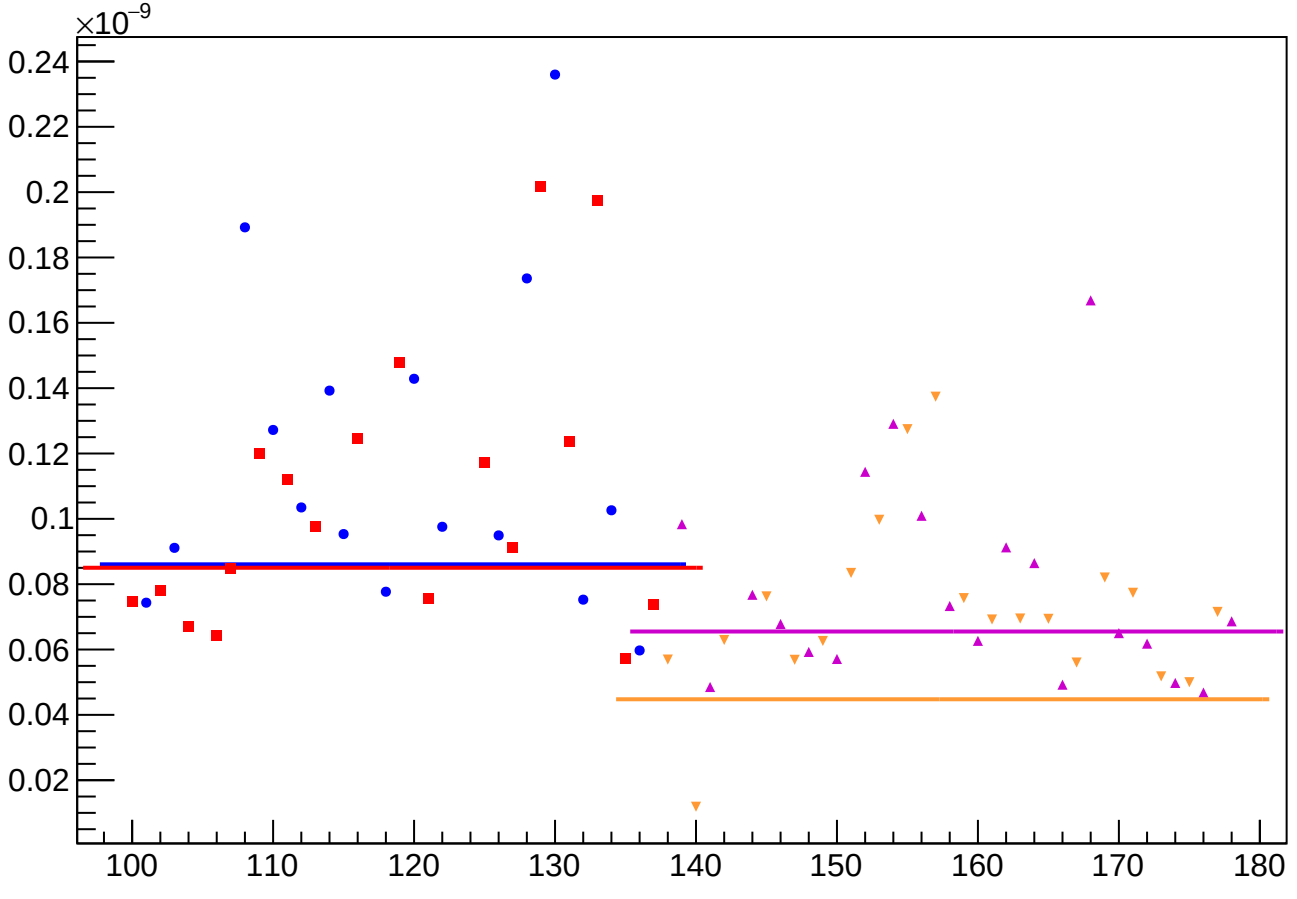
Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 190.821+/-0.032 χ^2/NDF:10348459.0/35

Out: 181.698+/-0.032 χ^2/NDF:10879773.3/37

All: 186.188+/-0.023 χ^2/NDF: 21268787.2/73


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:19.6/19
Left: -0.000+/-0.000 χ²/NDF: 36.3/39
Right: -0.000+/-0.000 χ²/NDF: 32.8/33
In: -0.000+/-0.000 χ²/NDF:29.6/35
Out: -0.000+/-0.000 χ²/NDF:40.0/37
All: -0.000+/-0.000 χ²/NDF: 69.8/73



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:2079303.9/19

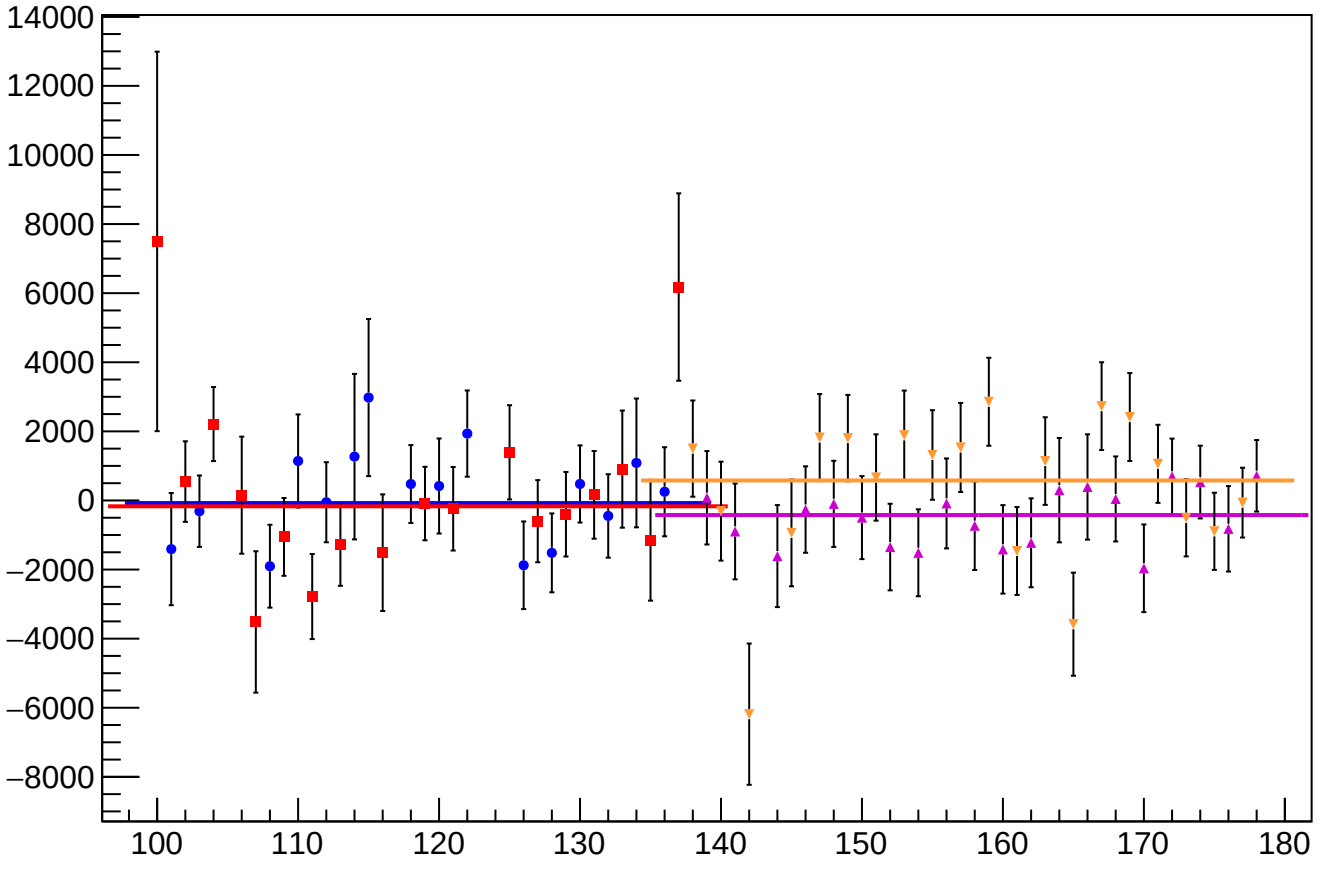
Left: 0.000+/-0.000 χ^2/NDF: 9545355.4/39

Right: 0.000+/-0.000 χ^2/NDF: 2055907.6/33

In: 0.000+/-0.000 χ^2/NDF:3533850.9/35

Out: 0.000+/-0.000 χ^2/NDF:8804575.8/37

All: 0.000+/-0.000 χ^2/NDF: 13574123.0/73



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: -422.725+/-281.050 χ^2/NDF:8.7/19

Left: 70.114+/-200.255 χ^2/NDF: 53.5/39

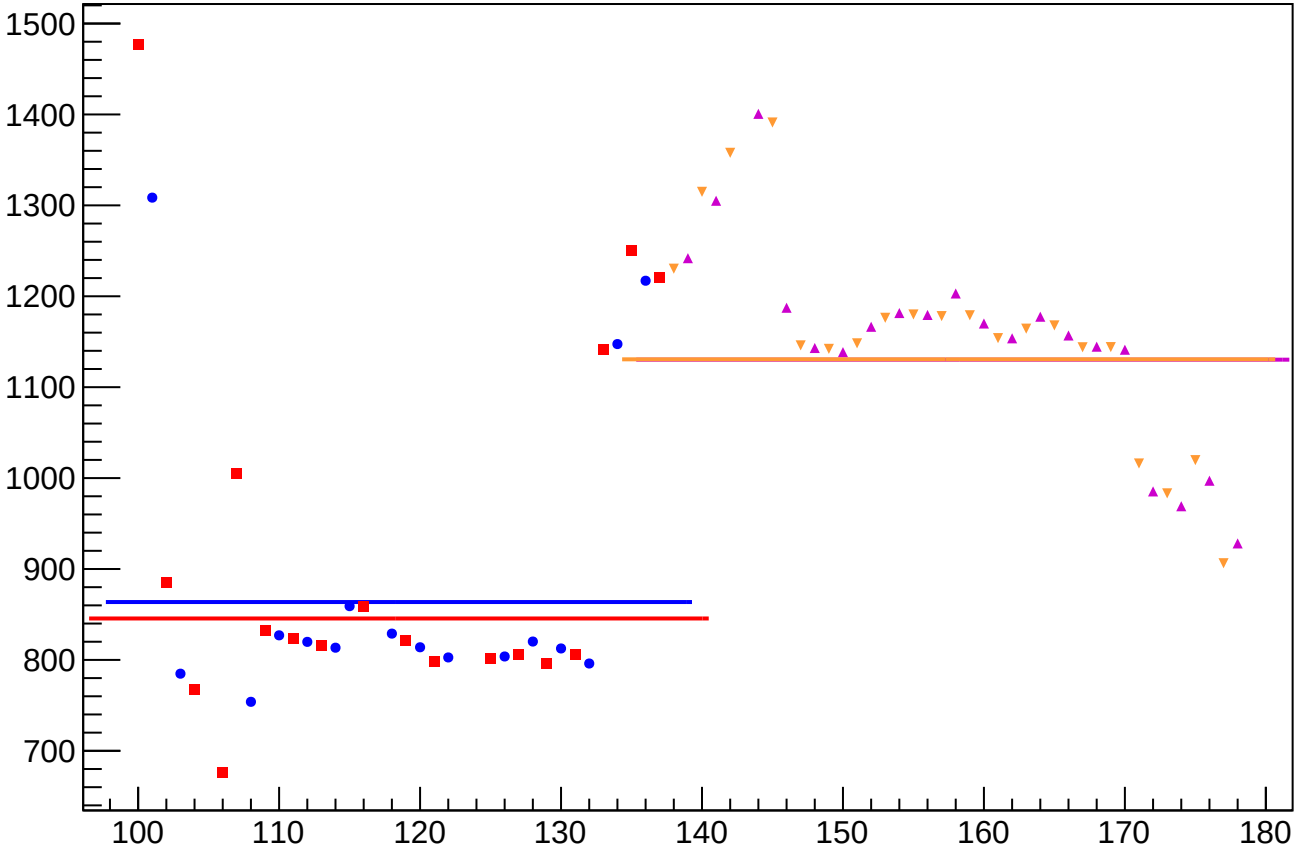
Right: -123.279+/-229.106 χ^2/NDF: 37.8/33

In: -274.990+/-212.928 χ^2/NDF:22.7/35

Out: 249.187+/-213.534 χ^2/NDF:65.9/37

All: -13.646+/-150.776 χ^2/NDF: 91.6/73

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: 1130.258+/-0.199 χ^2/NDF:318345.4/19

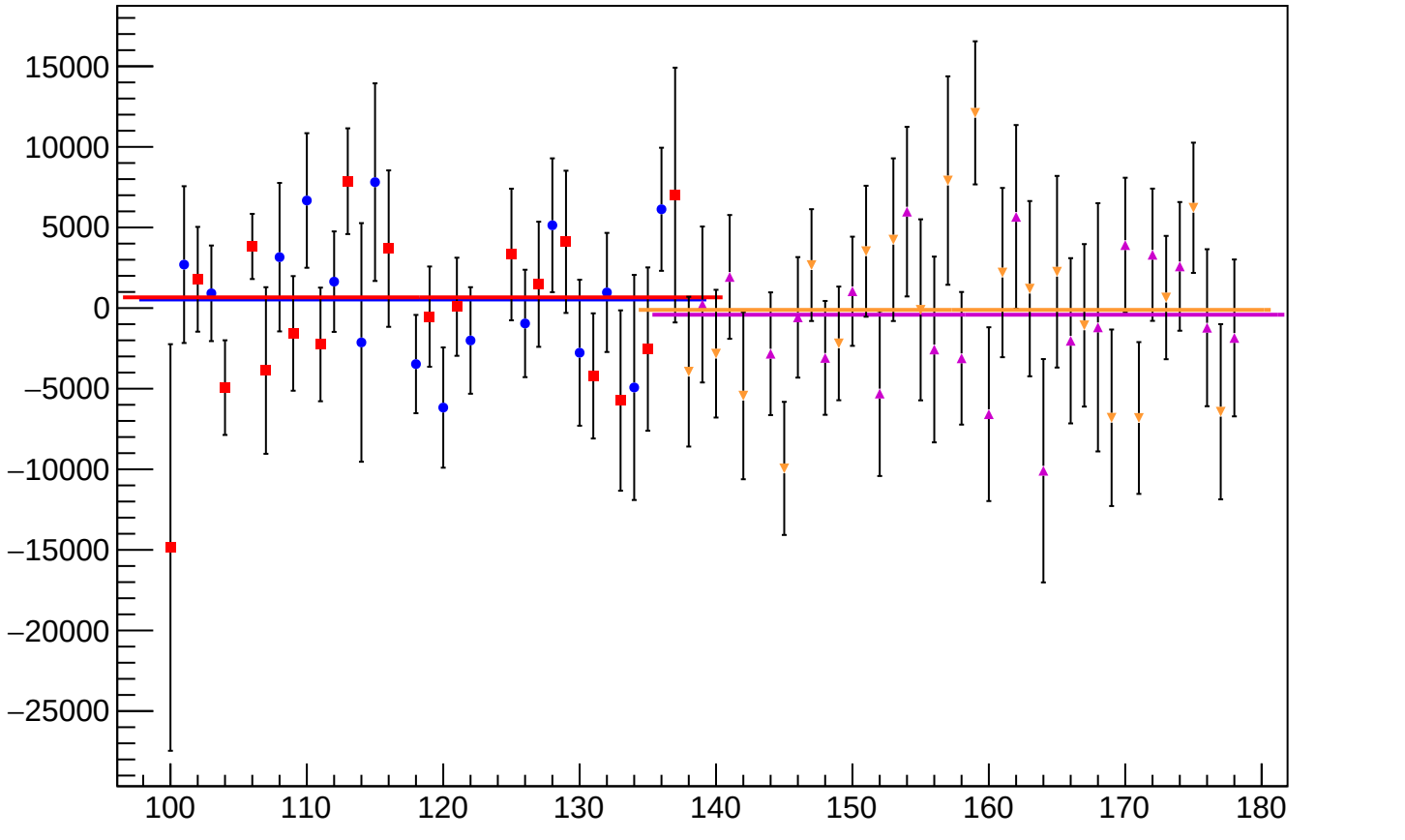
Left: 1130.449+/-0.142 χ^2/NDF: 632607.9/39

Right: 854.385+/-0.161 χ^2/NDF: 718425.8/33

In: 1016.683+/-0.151 χ^2/NDF:1492501.3/35

Out: 1003.398+/-0.150 χ^2/NDF:1512653.0/37

All: 1010.023+/-0.106 χ^2/NDF: 3009057.6/73



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: -411.837+/-1006.564 χ^2/NDF:11.6/19

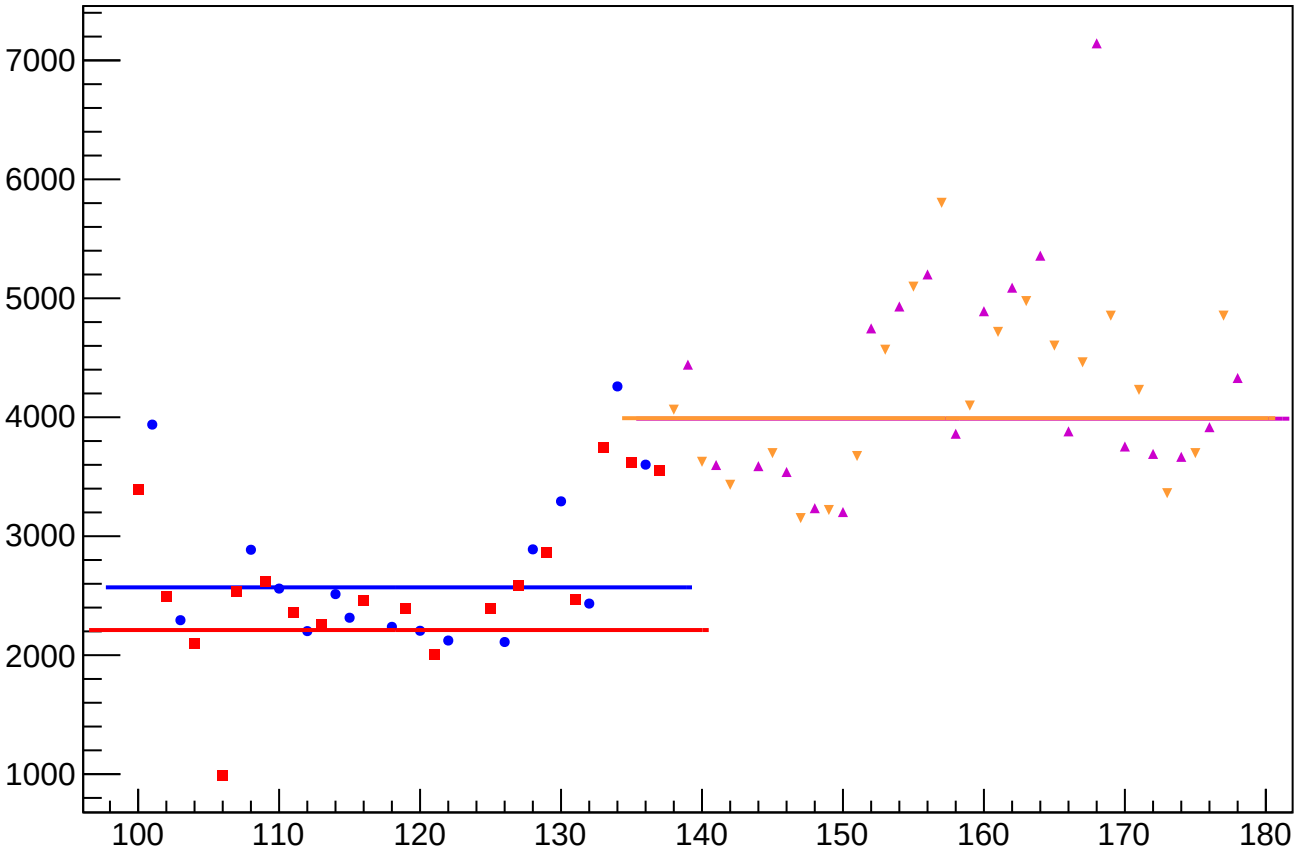
Left: -264.307+/-717.517 χ^2/NDF: 39.0/39

Right: 608.437+/-648.874 χ^2/NDF: 34.6/33

In: 73.365+/-702.642 χ^2/NDF:26.7/35

Out: 341.671+/-660.534 χ^2/NDF:47.7/37

All: 215.798+/-481.266 χ^2/NDF: 74.4/73



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 3992.171+/-0.723 χ^2/NDF:849963.2/19

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

Left In: 3988.000+/-0.712 χ^2/NDF:1071777.9/19

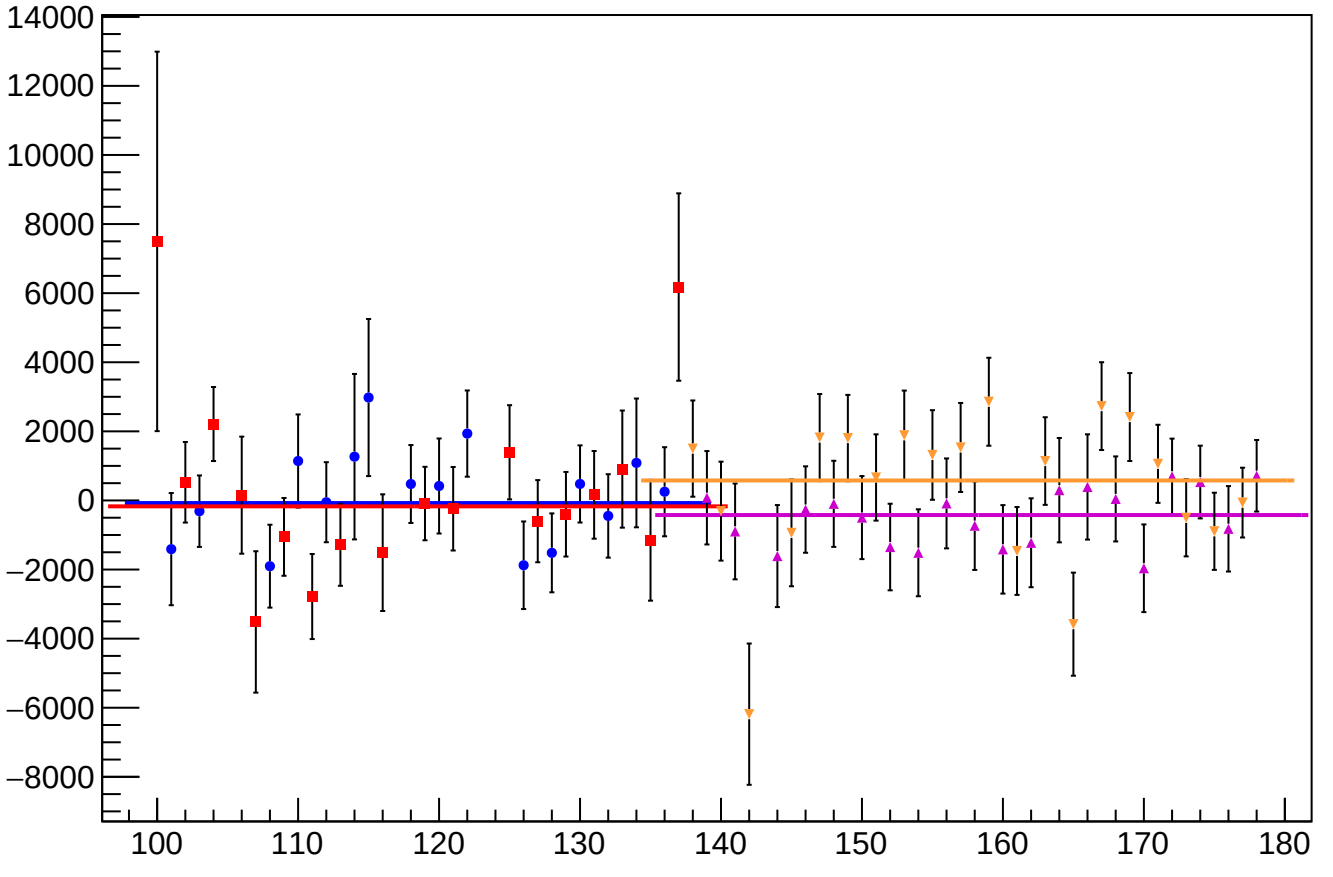
Left: 3990.051+/-0.507 χ^2/NDF: 1921758.0/39

Right: 2368.182+/-0.459 χ^2/NDF: 2077093.7/33

In: 3261.043+/-0.497 χ^2/NDF:3768909.5/35

Out: 2953.620+/-0.467 χ^2/NDF:5648135.0/37

All: 3097.844+/-0.340 χ^2/NDF: 9620287.5/73



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: -422.691+/-281.050 χ^2/NDF:8.7/19

Left: 70.153+/-200.255 χ^2/NDF: 53.5/39

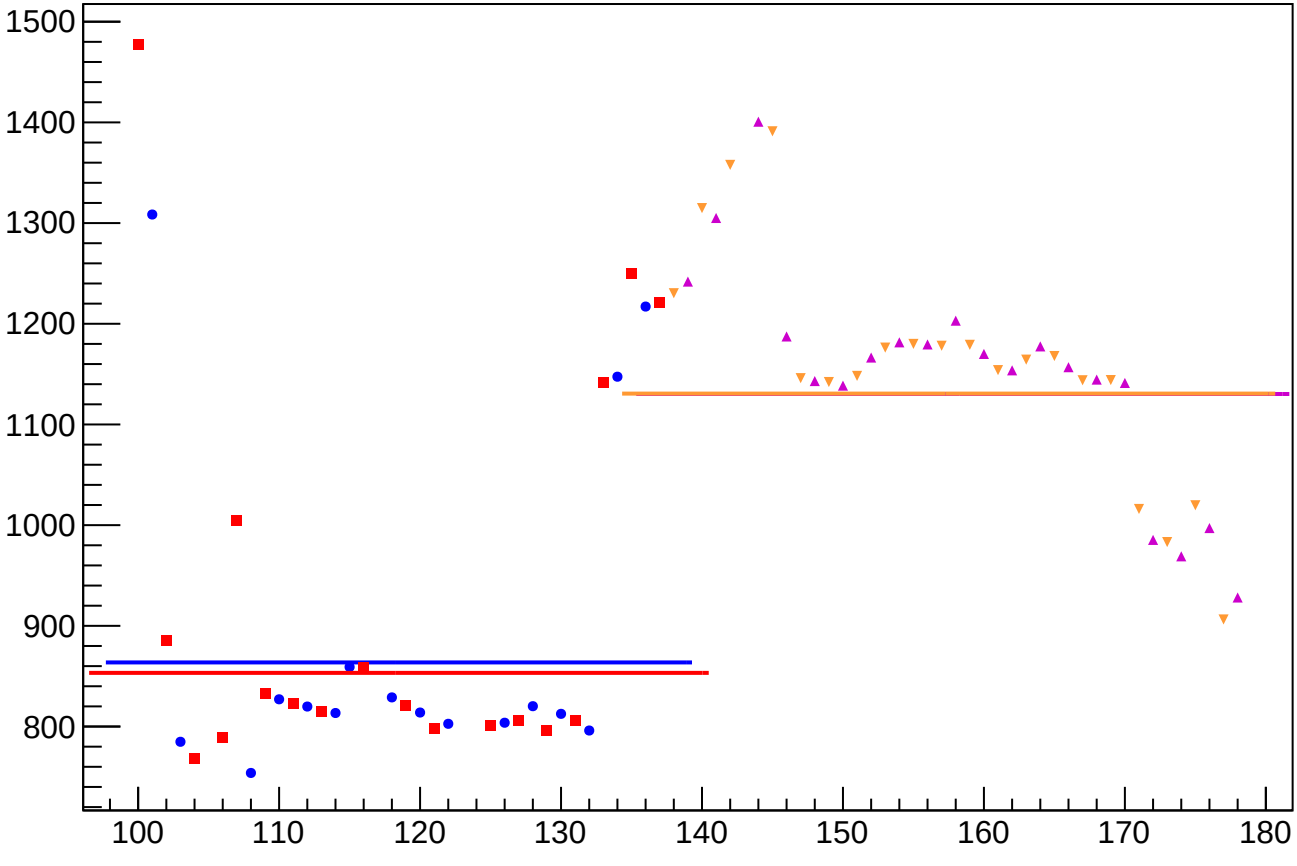
Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -275.004+/-212.928 χ^2/NDF:22.7/35

Out: 248.497+/-213.535 χ^2/NDF:65.9/37

All: -13.999+/-150.777 χ^2/NDF: 91.6/73

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: 1130.258+/-0.199 χ^2/NDF:318345.4/19

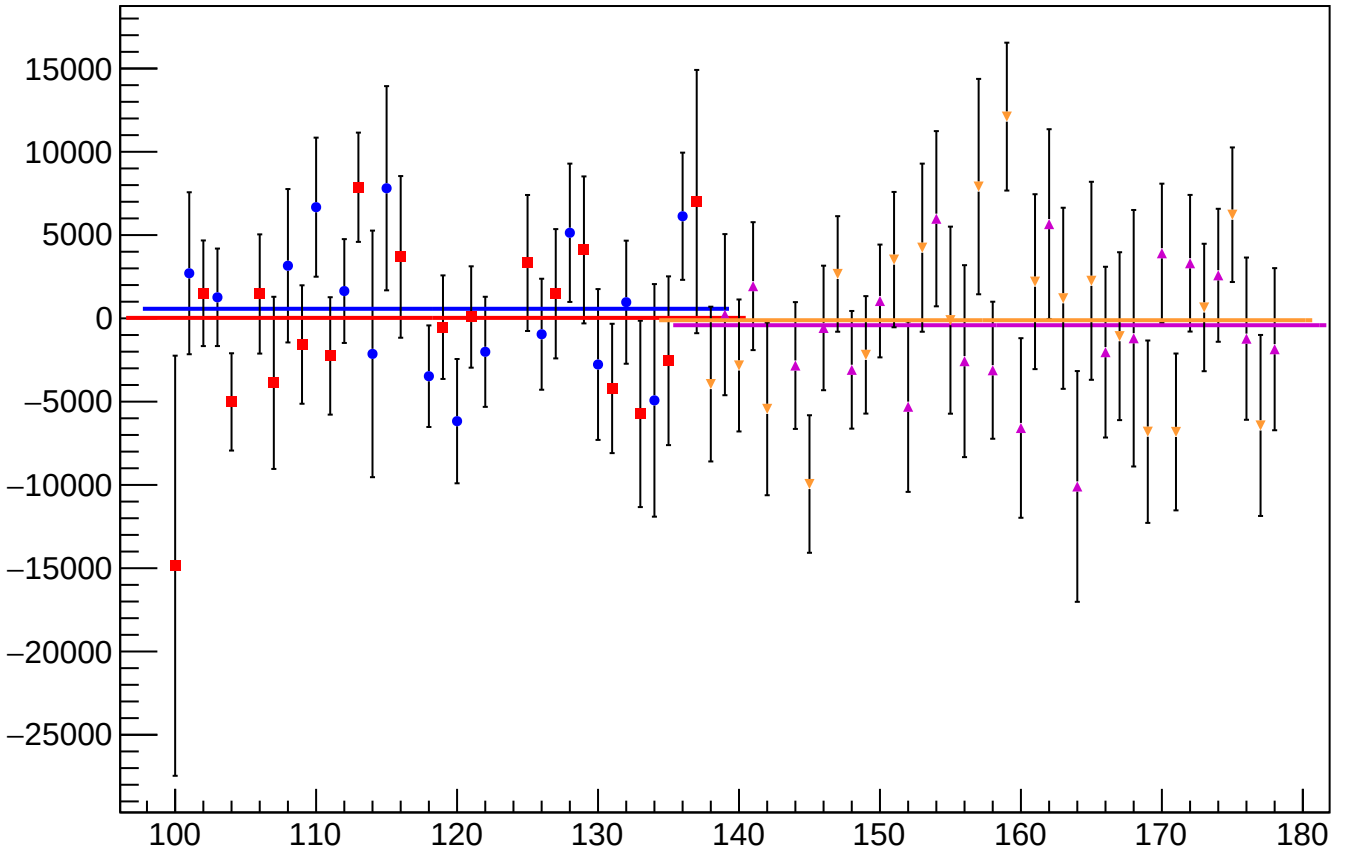
Left: 1130.449+/-0.142 χ^2/NDF: 632607.9/39

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 1016.683+/-0.151 χ^2/NDF:1492501.4/35

Out: 1007.836+/-0.151 χ^2/NDF:1425922.7/37

All: 1012.262+/-0.106 χ^2/NDF: 2920149.5/73



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: -411.887+/-1006.563 χ^2/NDF:11.6/19

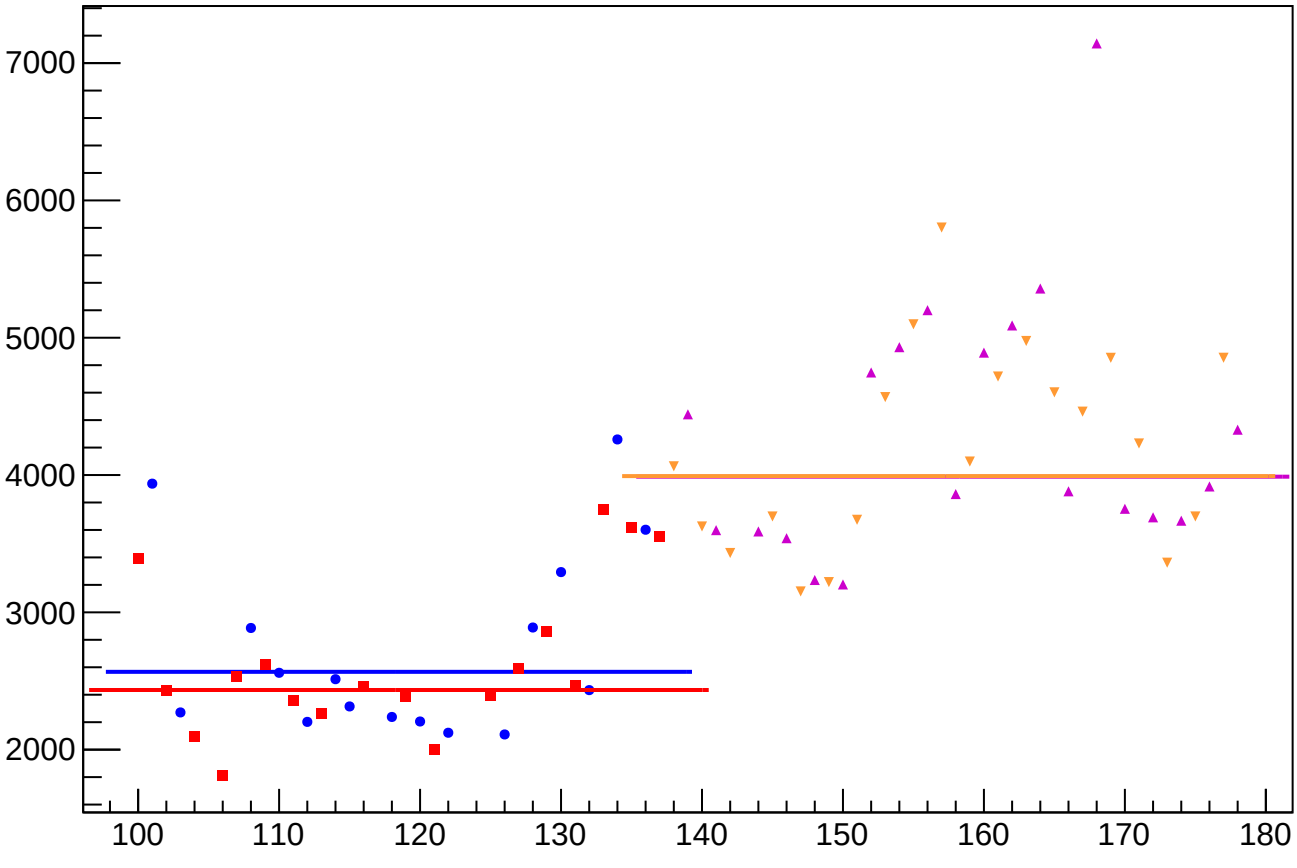
Left: -264.326+/-717.517 χ^2/NDF: 39.0/39

Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: 94.804+/-702.115 χ^2/NDF:26.8/35

Out: -34.367+/-684.956 χ^2/NDF:44.6/37

All: 28.621+/-490.291 χ^2/NDF: 71.4/73



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: 3987.996+/-0.712 χ^2/NDF:1071781.9/19

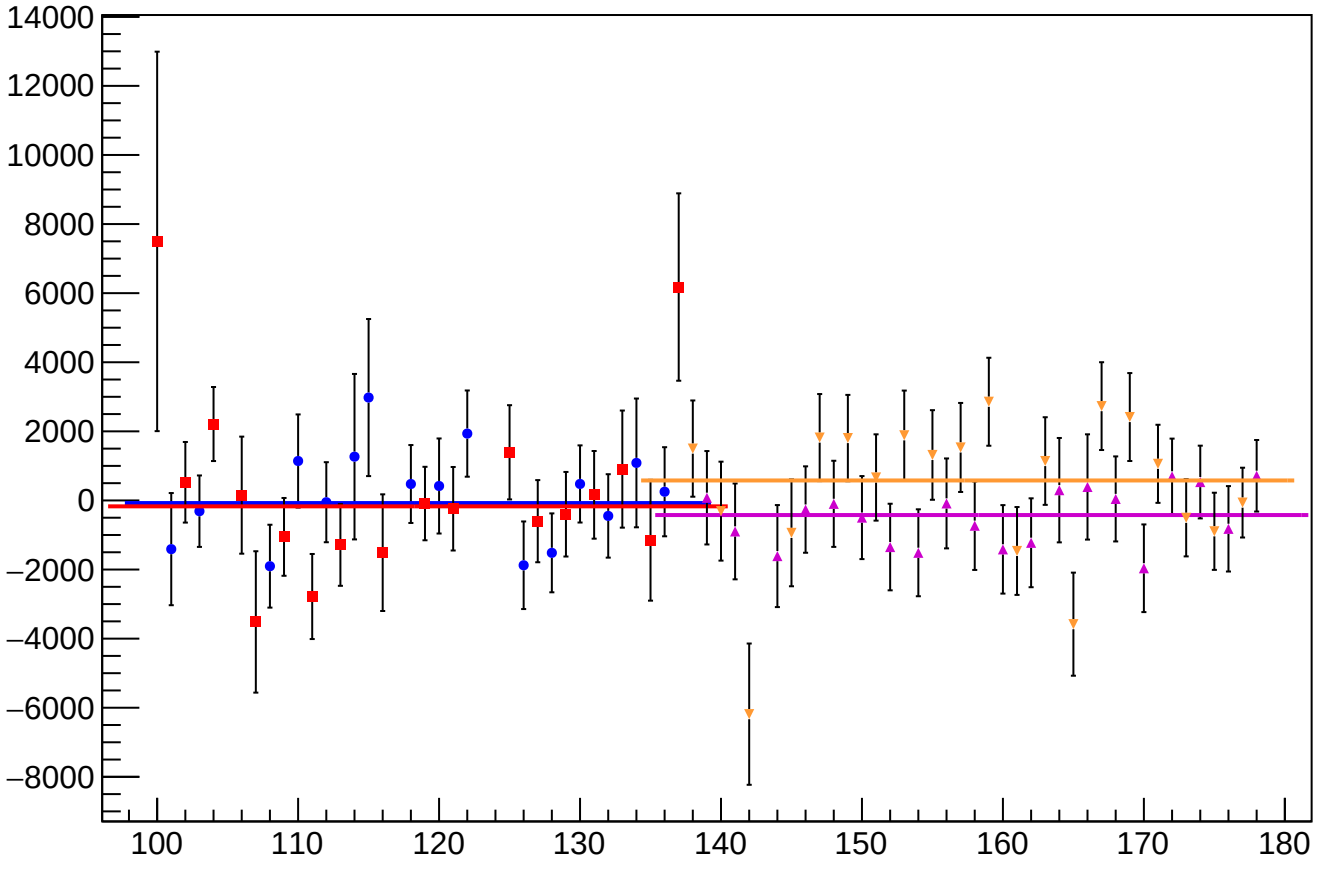
Left: 3990.050+/-0.507 χ^2/NDF: 1921758.1/39

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 3258.259+/-0.496 χ^2/NDF:3784987.7/35

Out: 3132.663+/-0.484 χ^2/NDF:3842361.6/37

All: 3193.907+/-0.347 χ^2/NDF: 7660139.9/73



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: -422.691+/-281.050 χ^2/NDF:8.7/19

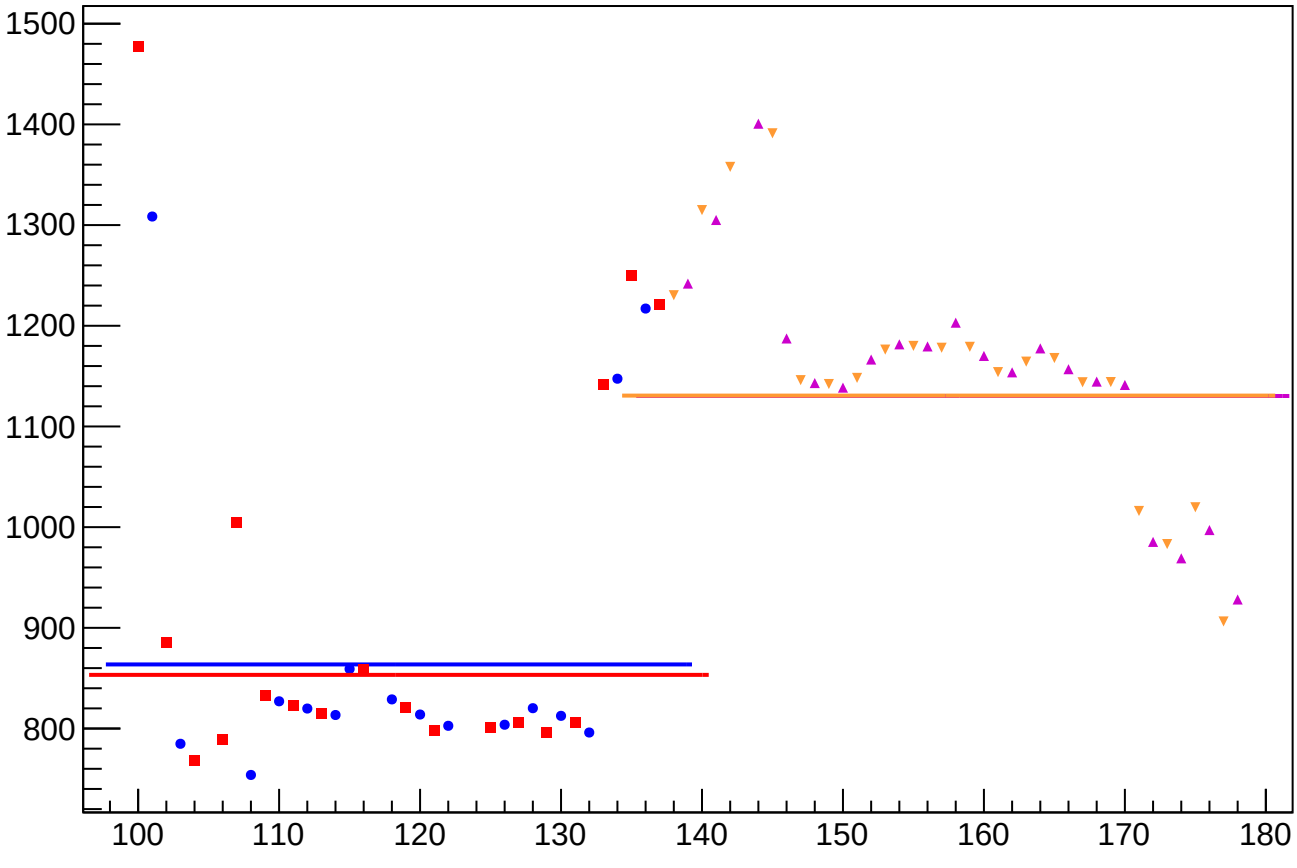
Left: 70.153+/-200.255 χ^2/NDF: 53.5/39

Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -275.004+/-212.928 χ^2/NDF:22.7/35

Out: 248.497+/-213.535 χ^2/NDF:65.9/37

All: -13.999+/-150.777 χ^2/NDF: 91.6/73



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: 1130.258+/-0.199 χ^2/NDF:318345.4/19

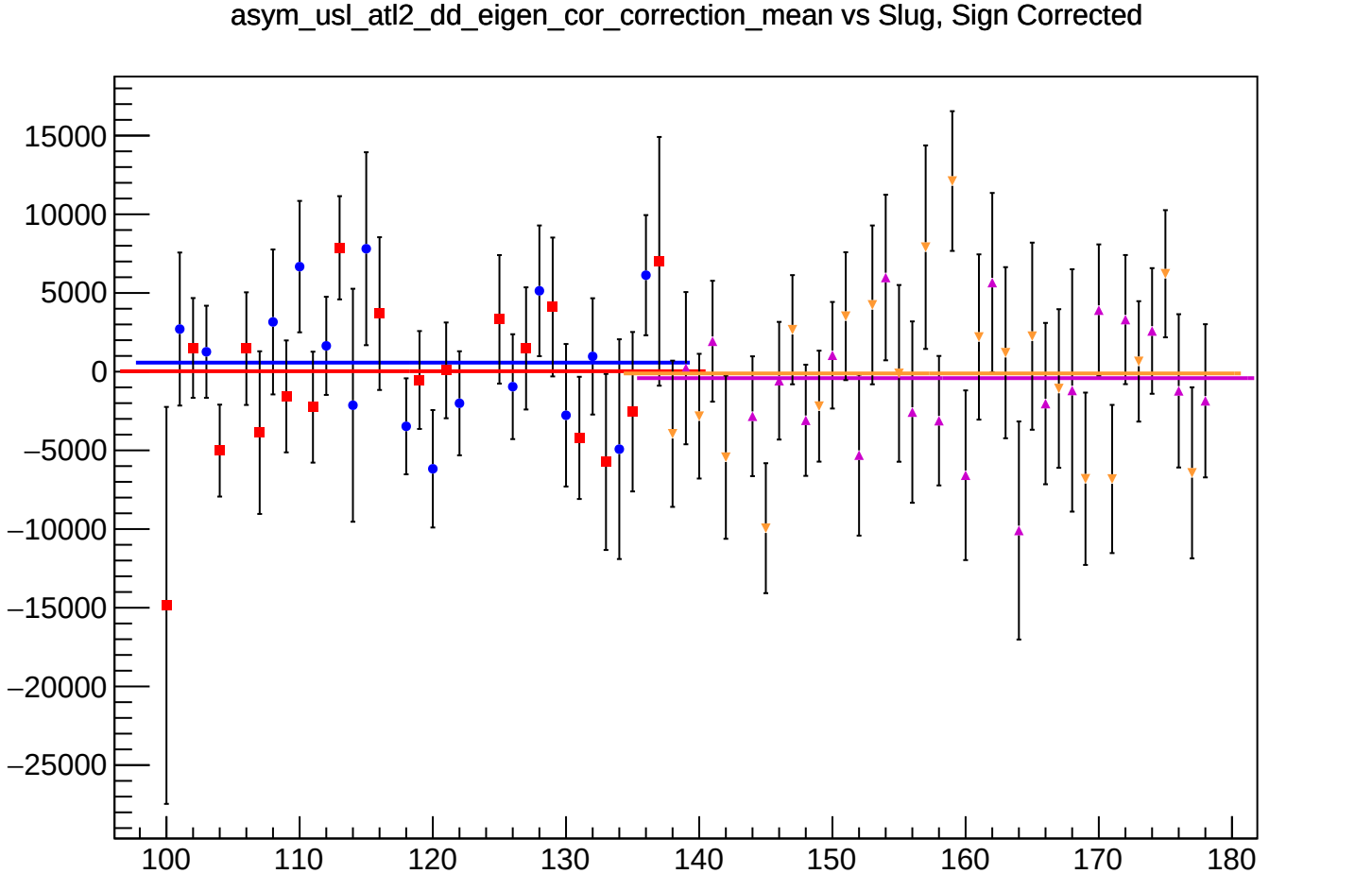
Left: 1130.449+/-0.142 χ^2/NDF: 632607.9/39

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 1016.683+/-0.151 χ^2/NDF:1492501.4/35

Out: 1007.836+/-0.151 χ^2/NDF:1425922.7/37

All: 1012.262+/-0.106 χ^2/NDF: 2920149.5/73



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: -411.887+/-1006.563 χ^2/NDF:11.6/19

Left: -264.326+/-717.517 χ^2/NDF: 39.0/39

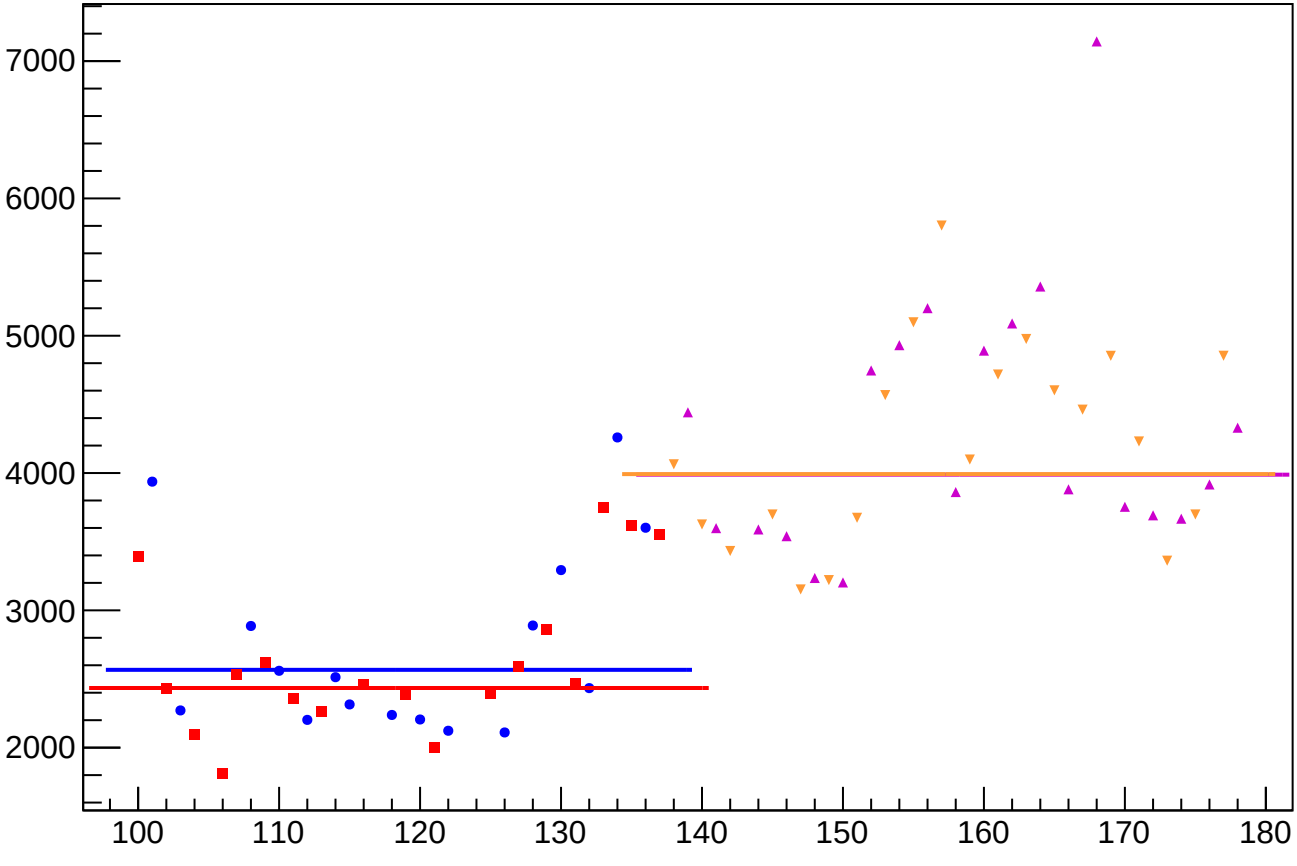
Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: 94.804+/-702.115 χ^2/NDF:26.8/35

Out: -34.367+/-684.956 χ^2/NDF:44.6/37

All: 28.621+/-490.291 χ^2/NDF: 71.4/73

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3992.172+/-0.723 χ^2/NDF:849959.3/19

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3987.996+/-0.712 χ^2/NDF:1071781.9/19

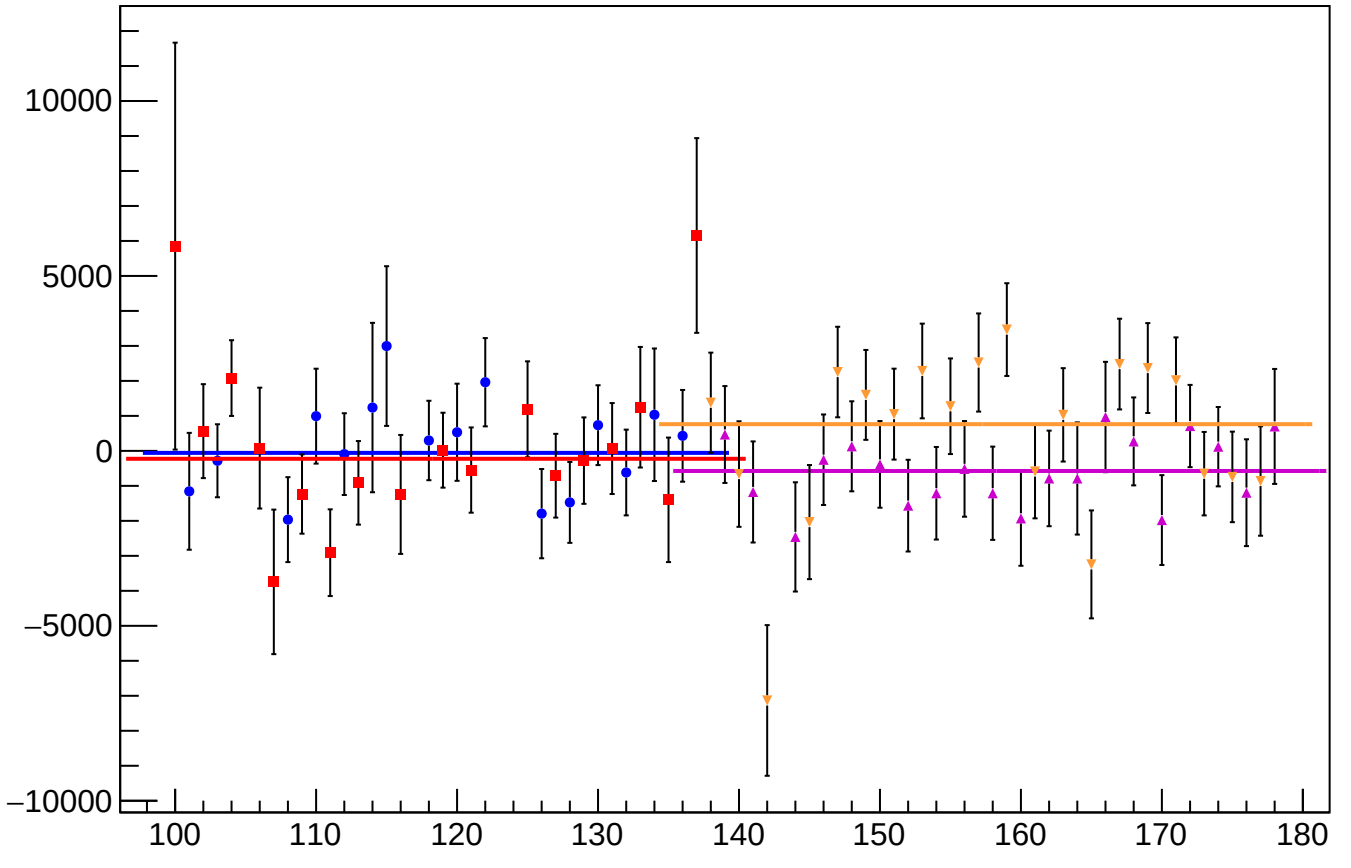
Left: 3990.050+/-0.507 χ^2/NDF: 1921758.1/39

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 3258.259+/-0.496 χ^2/NDF:3784987.7/35

Out: 3132.663+/-0.484 χ^2/NDF:3842361.6/37

All: 3193.907+/-0.347 χ^2/NDF: 7660139.9/73



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: -574.381+/-302.498 χ^2/NDF:9.6/19

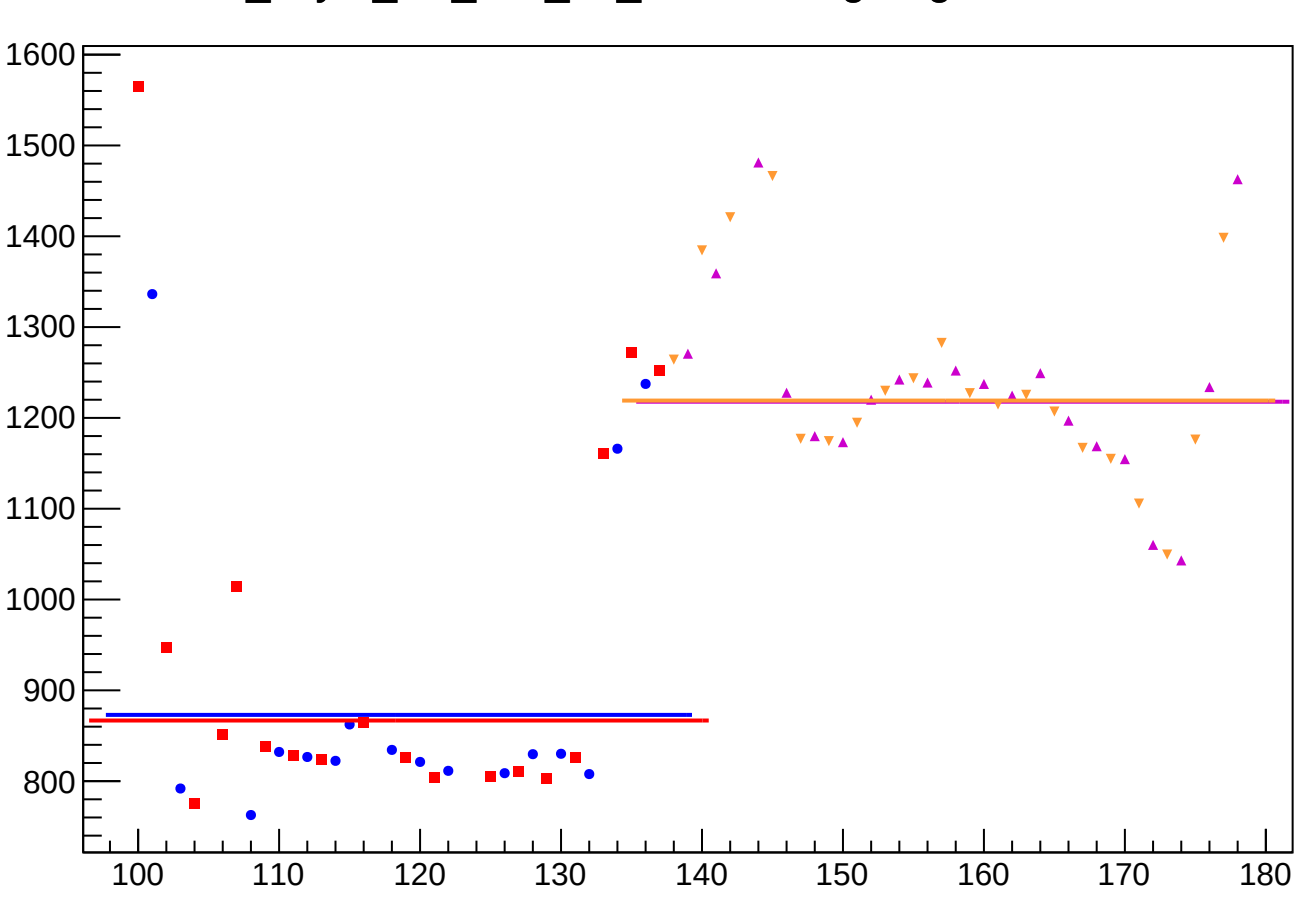
Left: 83.679+/-215.591 χ^2/NDF: 61.6/39

Right: -142.159+/-232.690 χ^2/NDF: 36.0/33

In: -338.308+/-223.015 χ^2/NDF:23.9/35

Out: 300.685+/-224.294 χ^2/NDF:70.2/37

All: -20.638+/-158.146 χ^2/NDF: 98.2/73



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: 1217.809+/-0.214 χ^2/NDF:223531.2/19

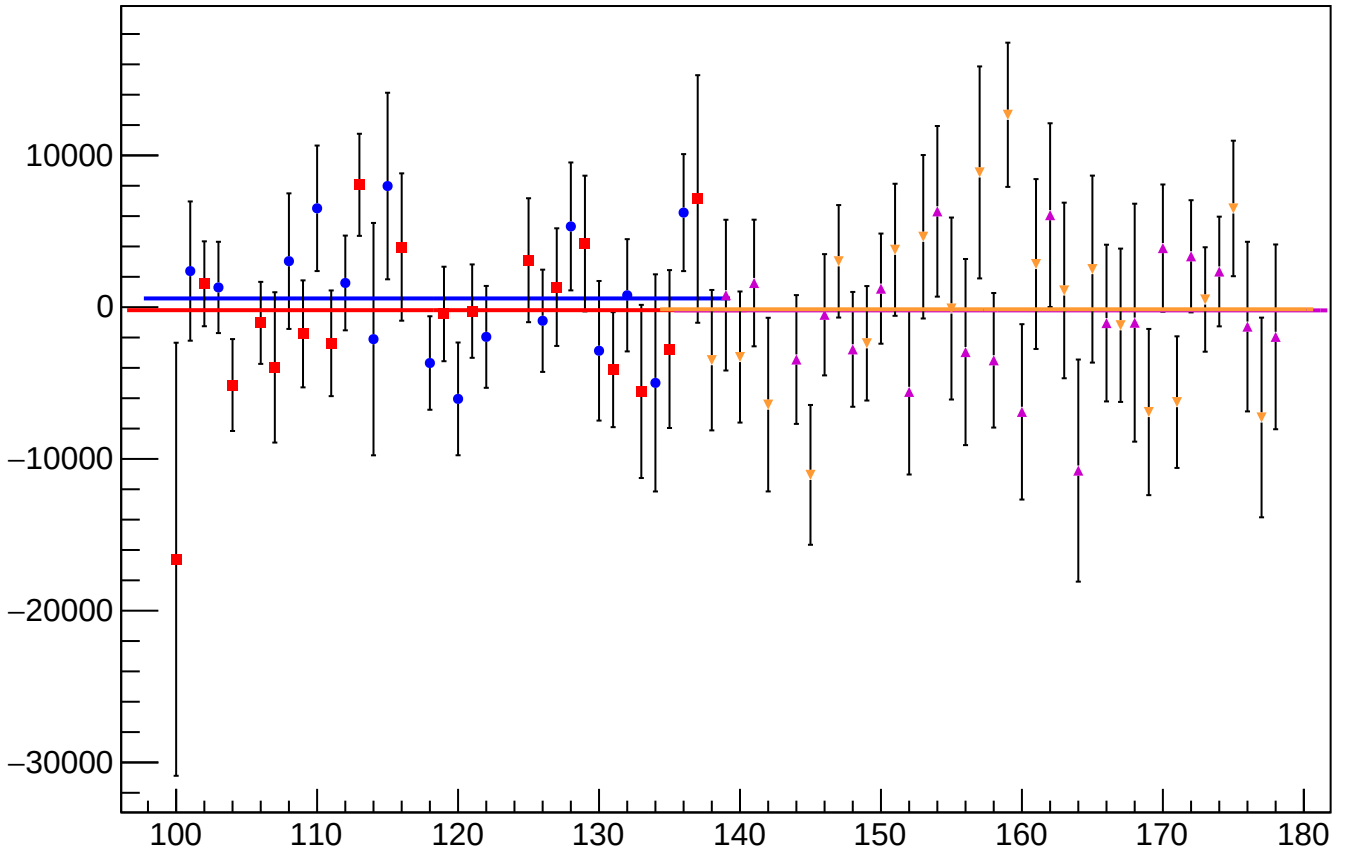
Left: 1218.434+/-0.152 χ^2/NDF: 417706.5/39

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1060.402+/-0.158 χ^2/NDF:1827013.4/35

Out: 1054.231+/-0.159 χ^2/NDF:1714213.1/37

All: 1057.333+/-0.112 χ^2/NDF: 3541988.1/73



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: -211.879+/-1053.983 χ^2/NDF:11.5/19

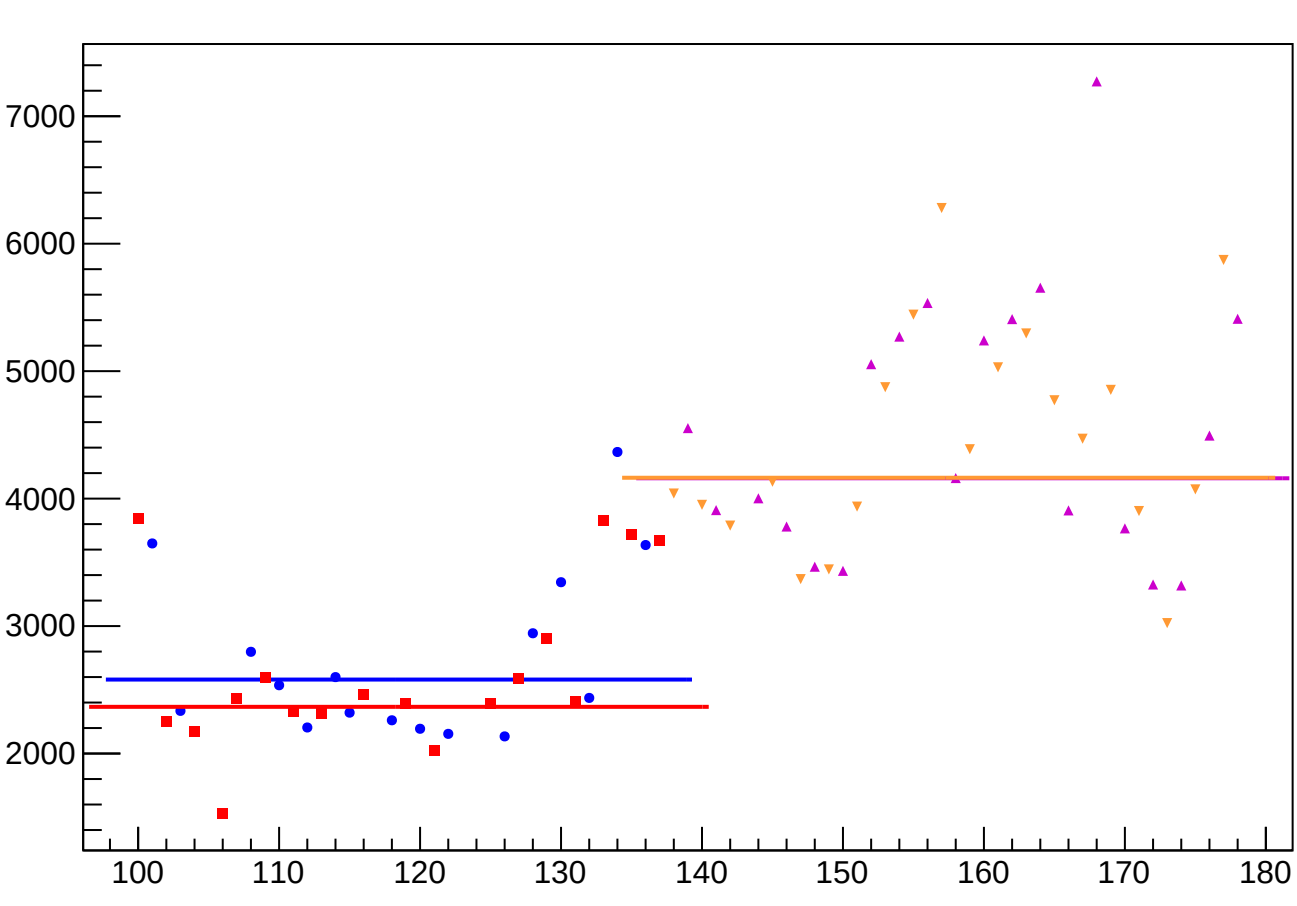
Left: -176.354+/-751.065 χ^2/NDF: 38.5/39

Right: 151.395+/-662.008 χ^2/NDF: 32.2/33

In: 208.341+/-719.609 χ^2/NDF:26.5/35

Out: -174.017+/-686.252 χ^2/NDF:44.2/37

All: 8.095+/-496.627 χ^2/NDF: 70.8/73



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: 4159.521+/-0.745 χ^2/NDF:1298763.3/19

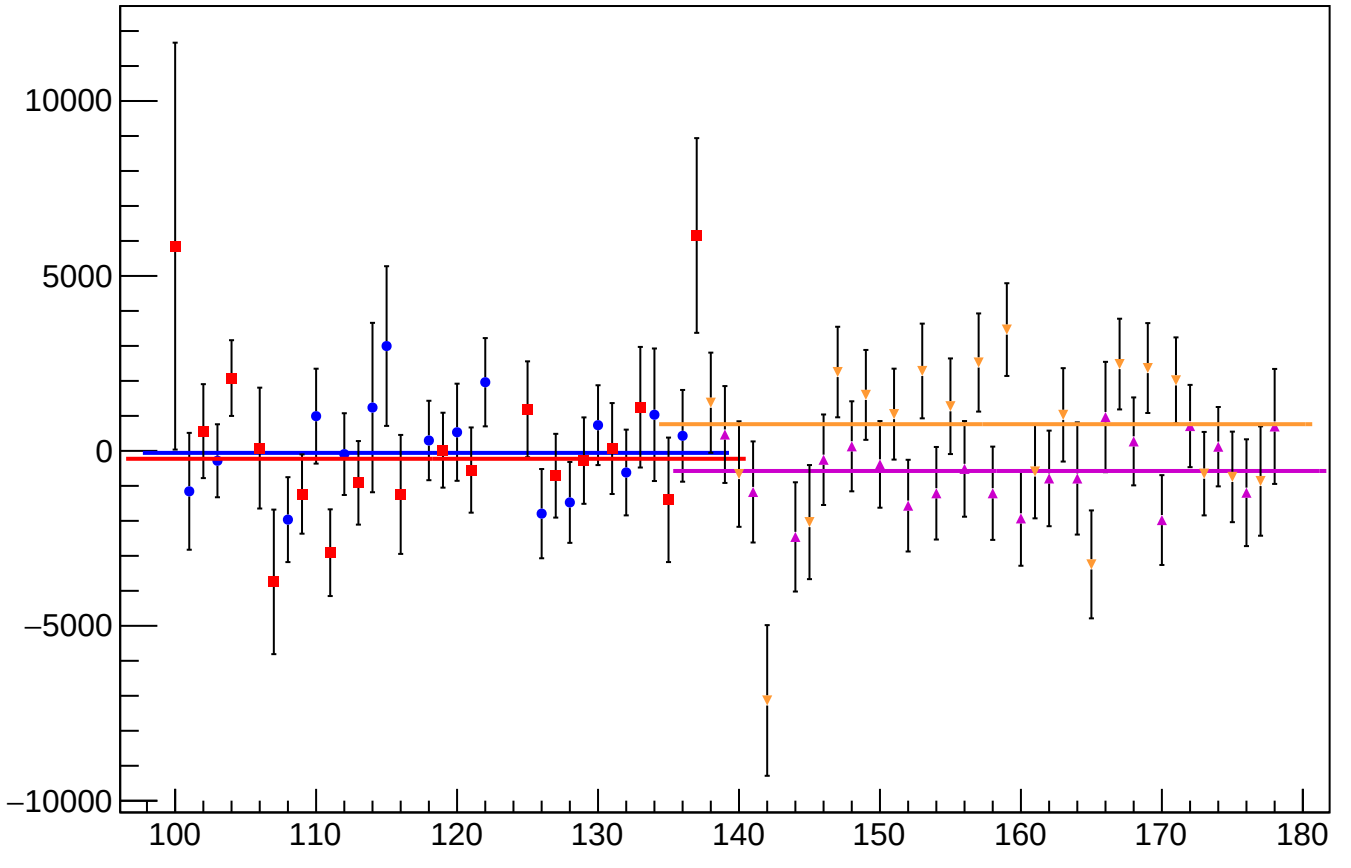
Left: 4161.566+/-0.531 χ^2/NDF: 2343586.6/39

Right: 2463.083+/-0.468 χ^2/NDF: 1280596.8/33

In: 3316.495+/-0.509 χ^2/NDF:4312686.9/35

Out: 3104.944+/-0.485 χ^2/NDF:4977113.7/37

All: 3205.703+/-0.351 χ^2/NDF: 9380324.3/73



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: -574.380+/-302.498 χ^2/NDF:9.6/19

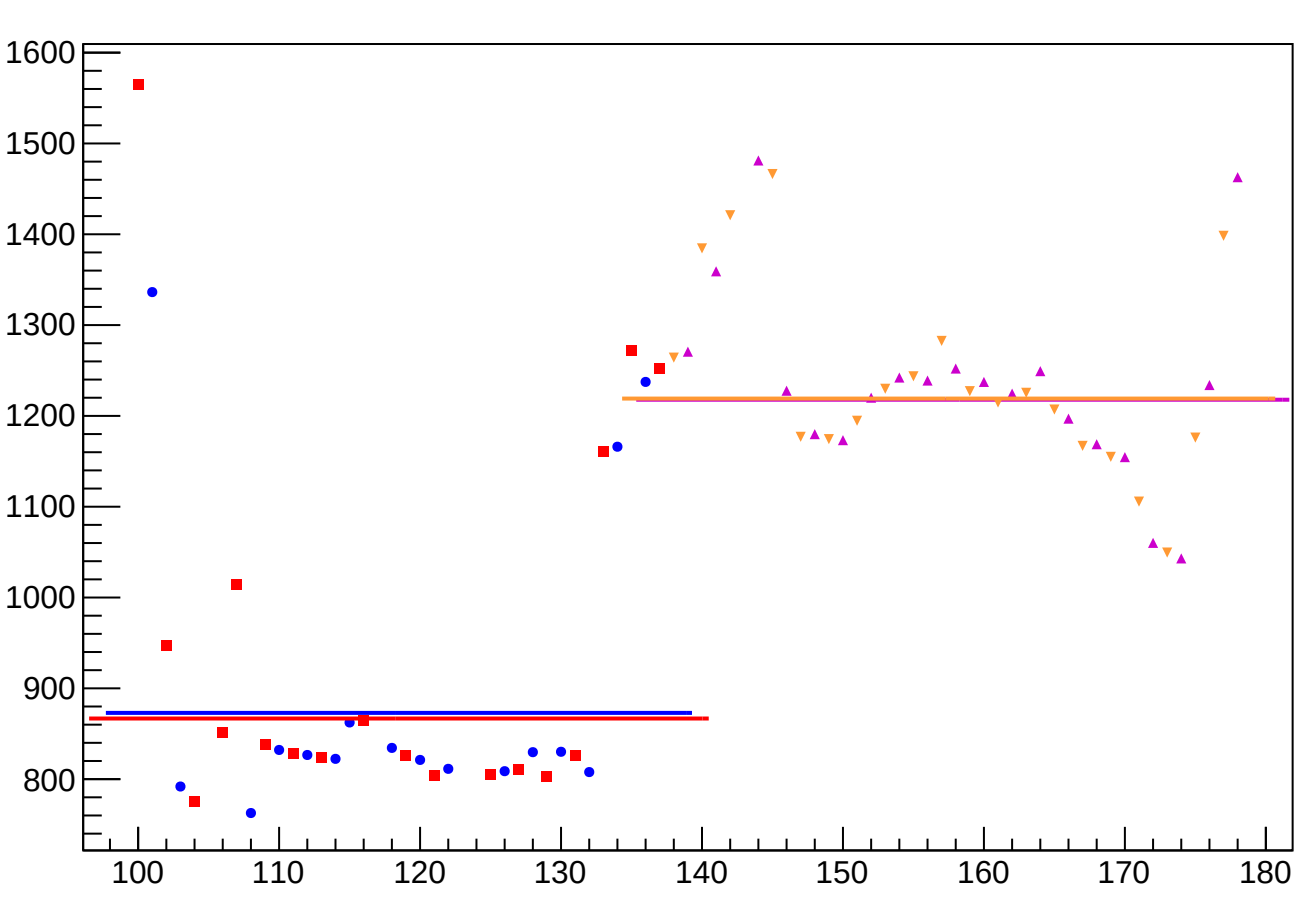
Left: 83.680+/-215.591 χ^2/NDF: 61.6/39

Right: -142.162+/-232.690 χ^2/NDF: 36.0/33

In: -338.308+/-223.015 χ^2/NDF:23.9/35

Out: 300.683+/-224.294 χ^2/NDF:70.2/37

All: -20.639+/-158.146 χ^2/NDF: 98.2/73



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: 1217.810+/-0.214 χ^2/NDF:223541.3/19

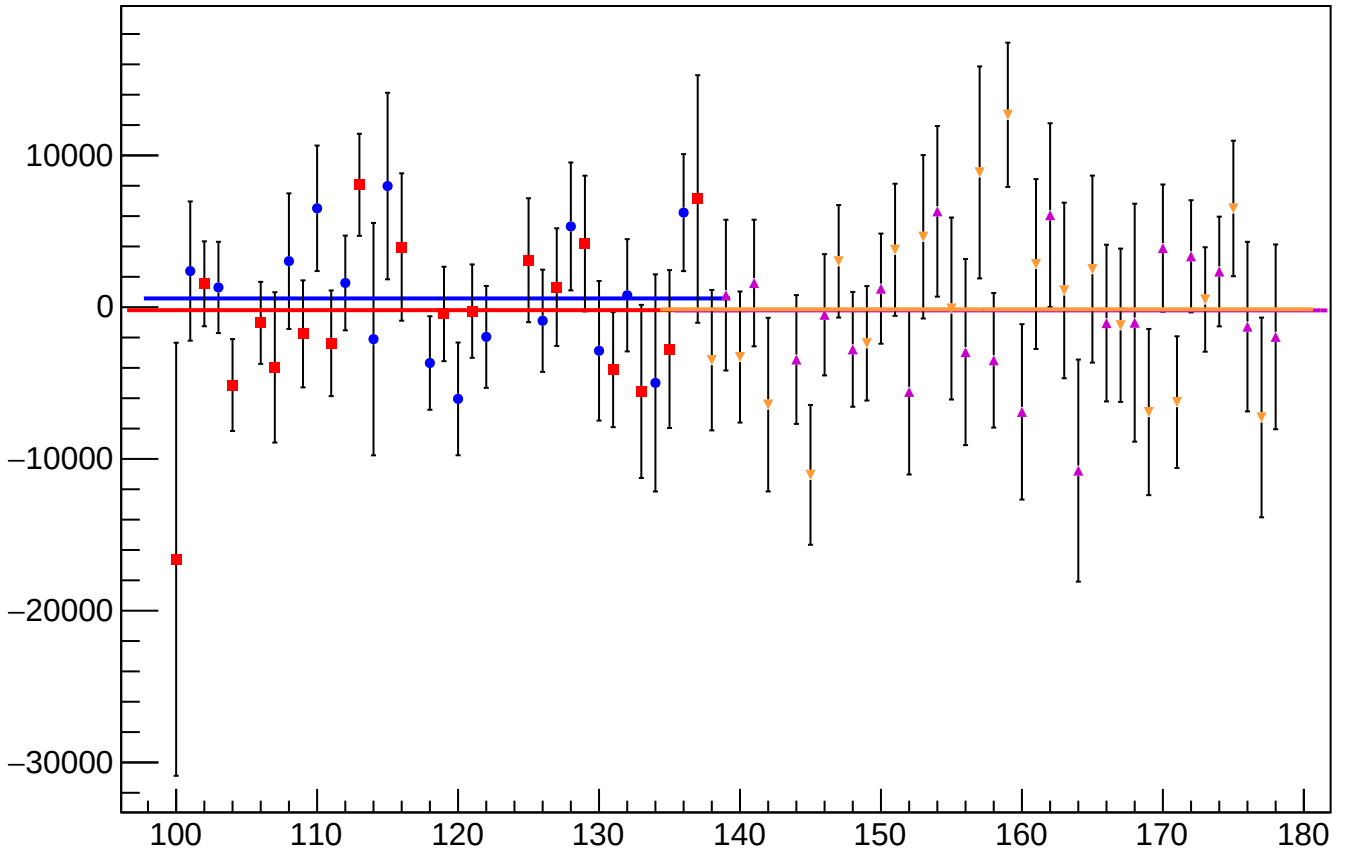
Left: 1218.435+/-0.152 χ^2/NDF: 417726.4/39

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1060.402+/-0.158 χ^2/NDF:1827026.4/35

Out: 1054.231+/-0.159 χ^2/NDF:1714225.7/37

All: 1057.333+/-0.112 χ^2/NDF: 3542013.7/73



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: -211.880+/-1053.985 χ^2/NDF:11.5/19

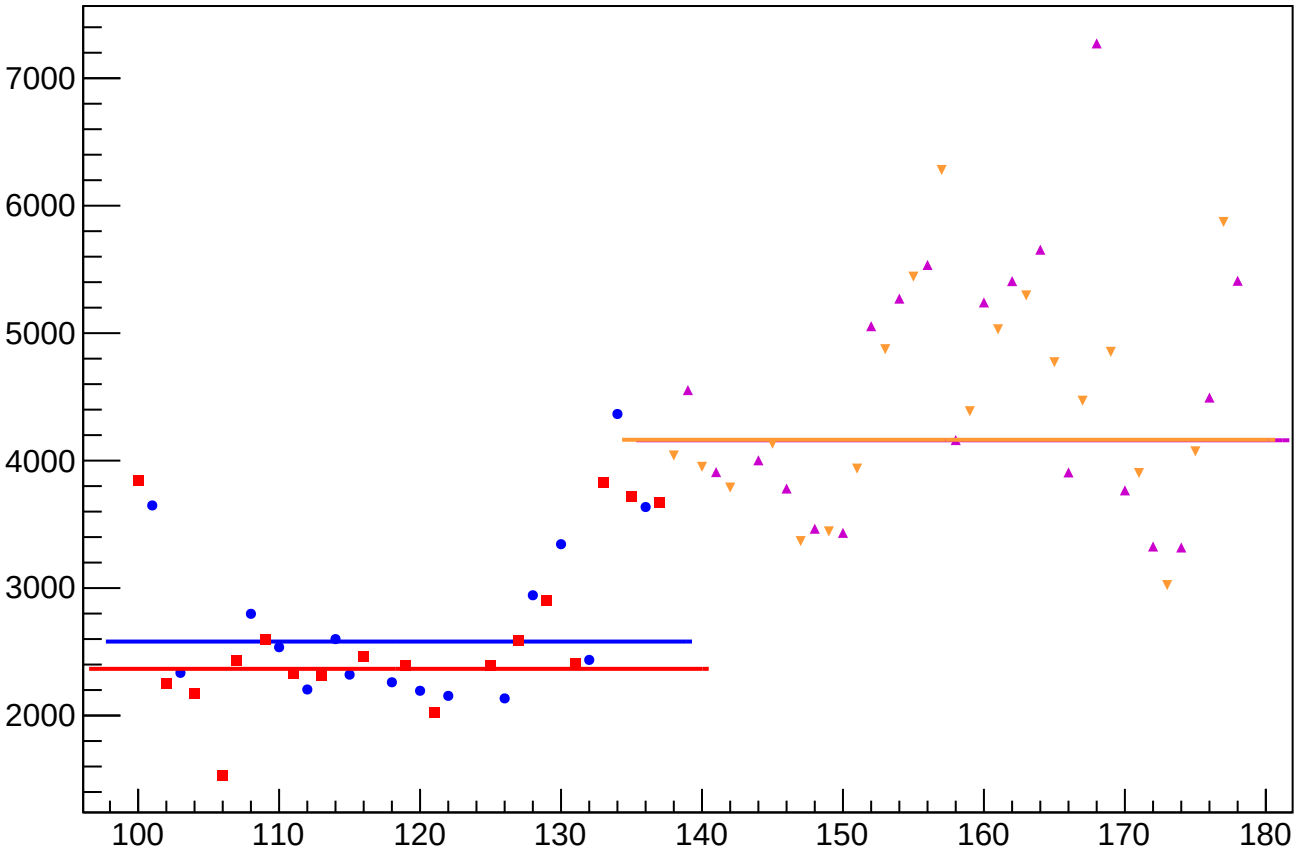
Left: -176.354+/-751.066 χ^2/NDF: 38.5/39

Right: 151.392+/-662.006 χ^2/NDF: 32.2/33

In: 208.340+/-719.608 χ^2/NDF:26.5/35

Out: -174.018+/-686.251 χ^2/NDF:44.2/37

All: 8.094+/-496.627 χ^2/NDF: 70.8/73



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: 4159.529+/-0.745 χ^2/NDF:1298763.7/19

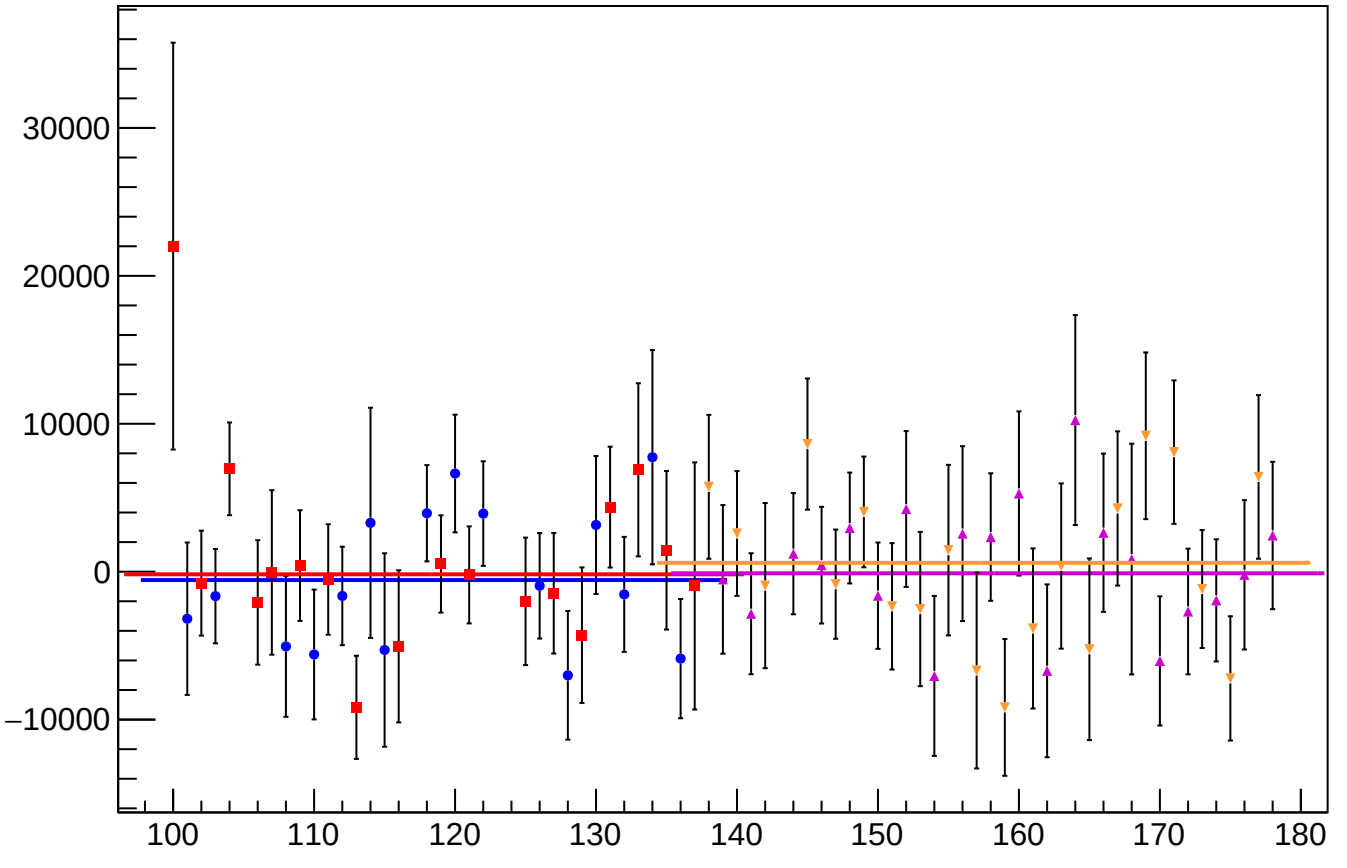
Left: 4161.573+/-0.531 χ^2/NDF: 2343585.5/39

Right: 2463.075+/-0.468 χ^2/NDF: 1280607.2/33

In: 3316.491+/-0.509 χ^2/NDF:4312744.6/35

Out: 3104.940+/-0.485 χ^2/NDF:4977171.5/37

All: 3205.698+/-0.351 χ^2/NDF: 9380439.8/73



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: -108.404+/-1052.056 χ^2/NDF:11.6/19

Left: 238.951+/-750.237 χ^2/NDF: 35.6/39

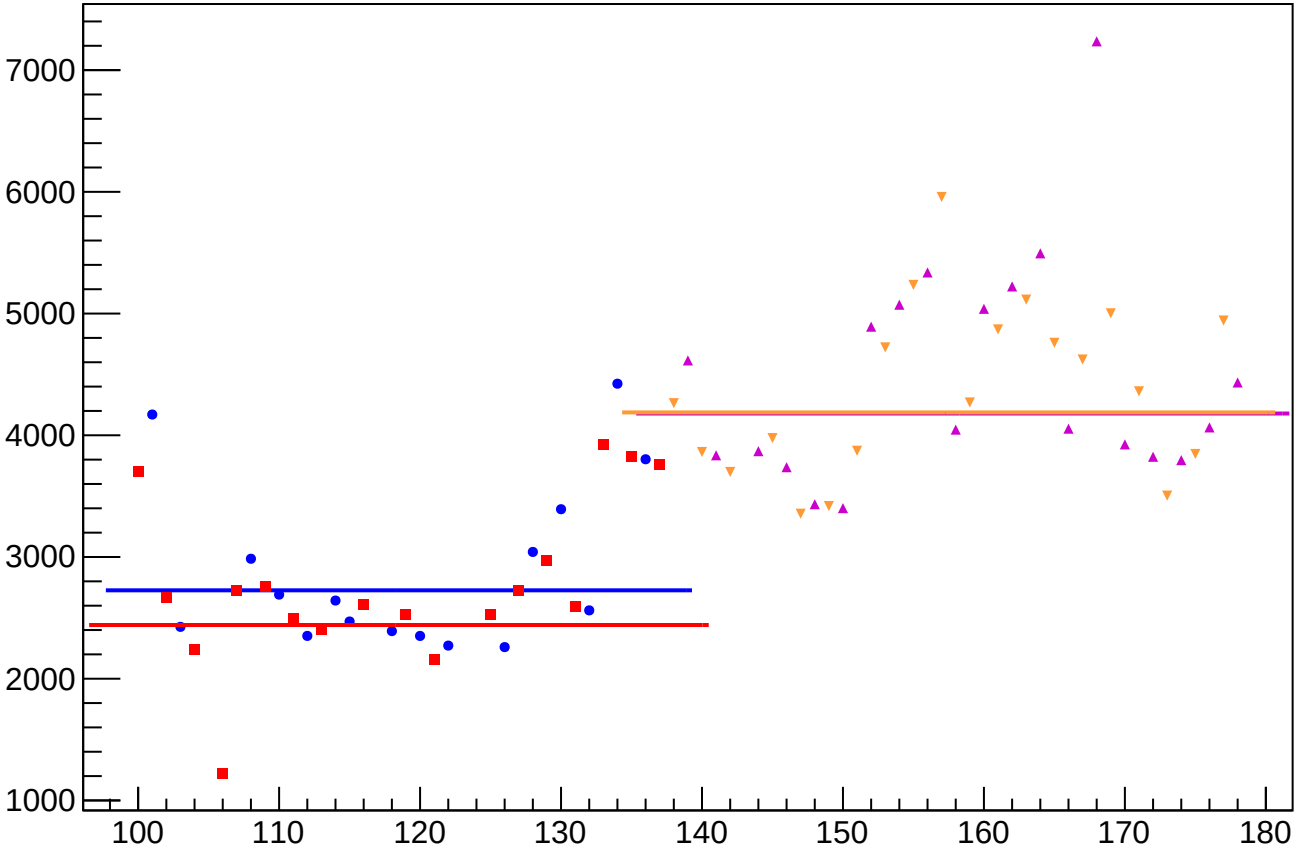
Right: -362.430+/-716.551 χ^2/NDF: 35.8/33

In: -339.818+/-739.730 χ^2/NDF:27.9/35

Out: 179.076+/-726.089 χ^2/NDF:43.6/37

All: -75.543+/-518.178 χ^2/NDF: 71.7/73

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: 4178.829+/-0.744 χ^2/NDF:941508.3/19

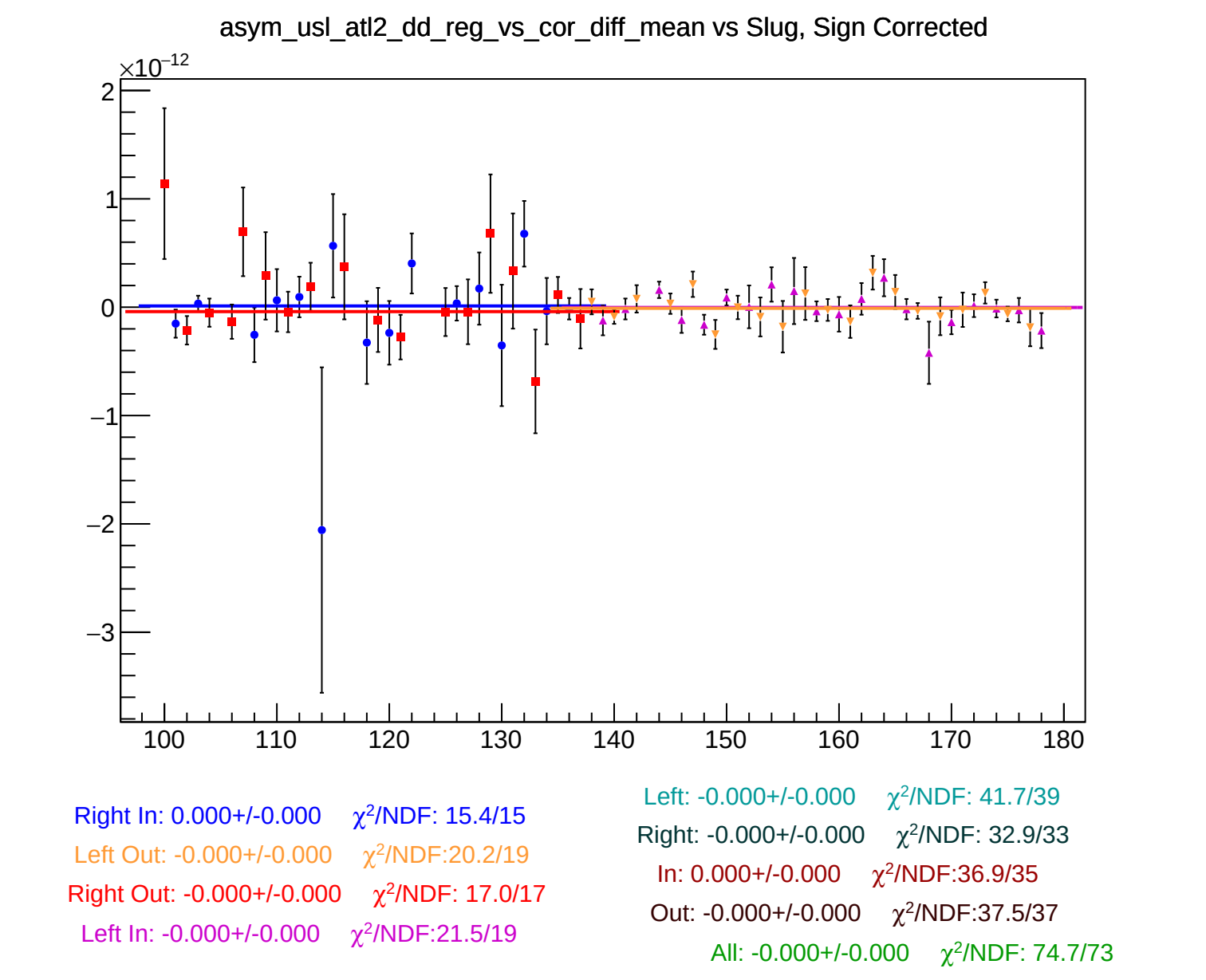
Left: 4183.303+/-0.530 χ^2/NDF: 1673047.7/39

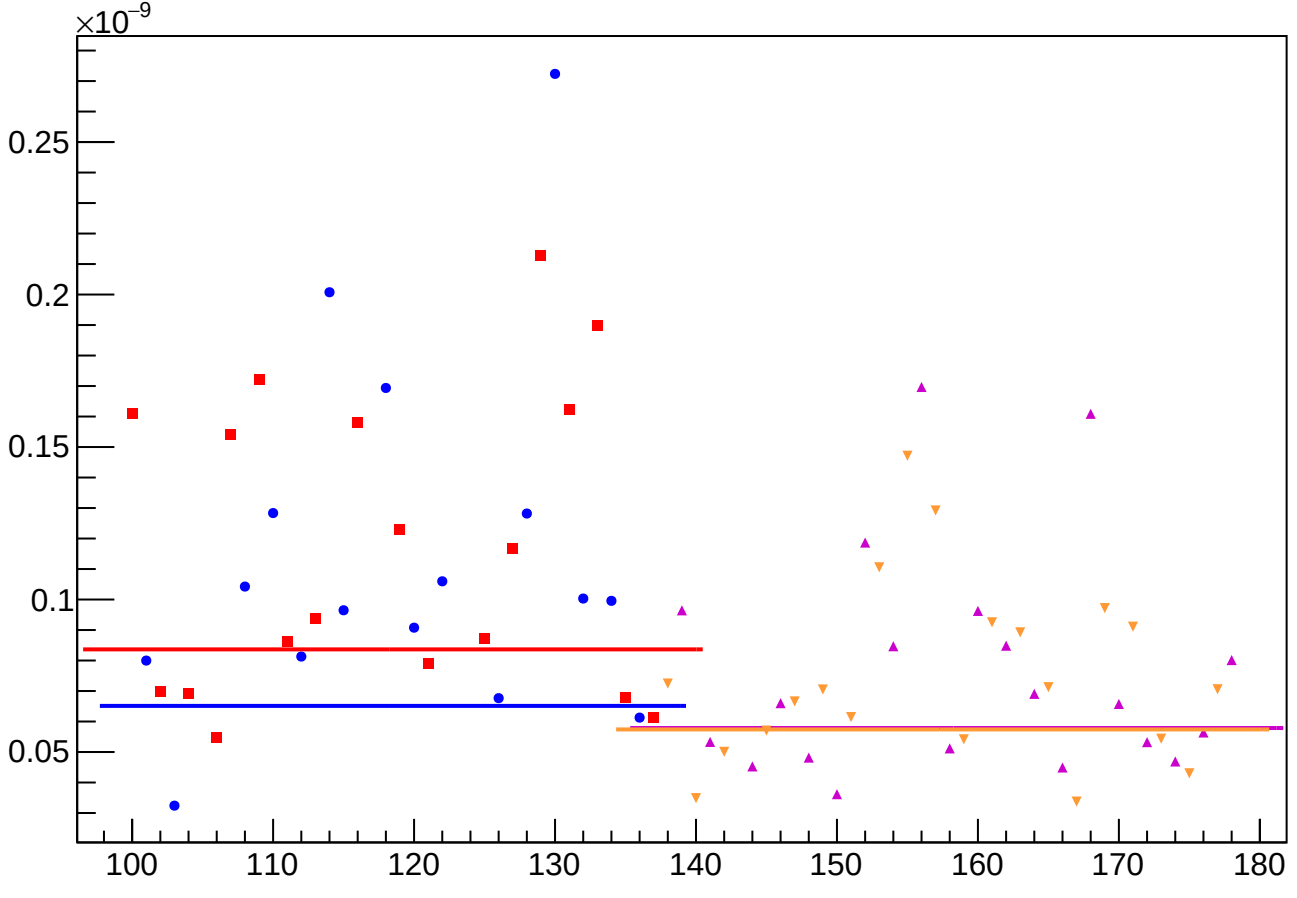
Right: 2569.883+/-0.494 χ^2/NDF: 1596520.0/33

In: 3444.377+/-0.523 χ^2/NDF:3492381.5/35

Out: 3204.940+/-0.500 χ^2/NDF:4620819.1/37

All: 3319.345+/-0.362 χ^2/NDF: 8222621.3/73


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:21.5/19
Left: -0.000+/-0.000 χ²/NDF: 41.7/39
Right: -0.000+/-0.000 χ²/NDF: 32.9/33
In: 0.000+/-0.000 χ²/NDF:36.9/35
Out: -0.000+/-0.000 χ²/NDF:37.5/37
All: -0.000+/-0.000 χ²/NDF: 74.7/73



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:1525924.3/19

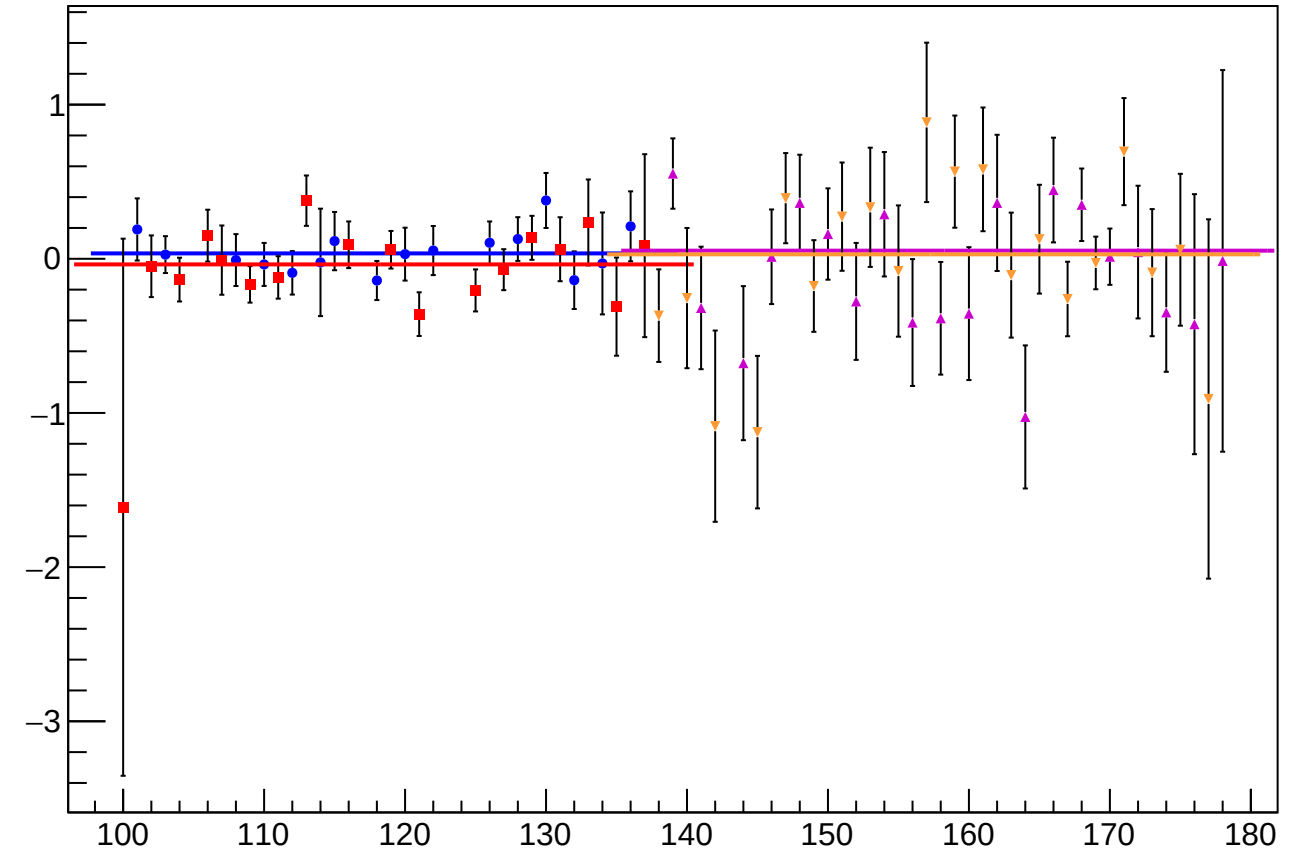
Left: 0.000+/-0.000 χ^2/NDF: 3183545.8/39

Right: 0.000+/-0.000 χ^2/NDF: 2057625.5/33

In: 0.000+/-0.000 χ^2/NDF:2789455.7/35

Out: 0.000+/-0.000 χ^2/NDF:2745824.9/37

All: 0.000+/-0.000 χ^2/NDF: 5547845.4/73



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:24.0/19

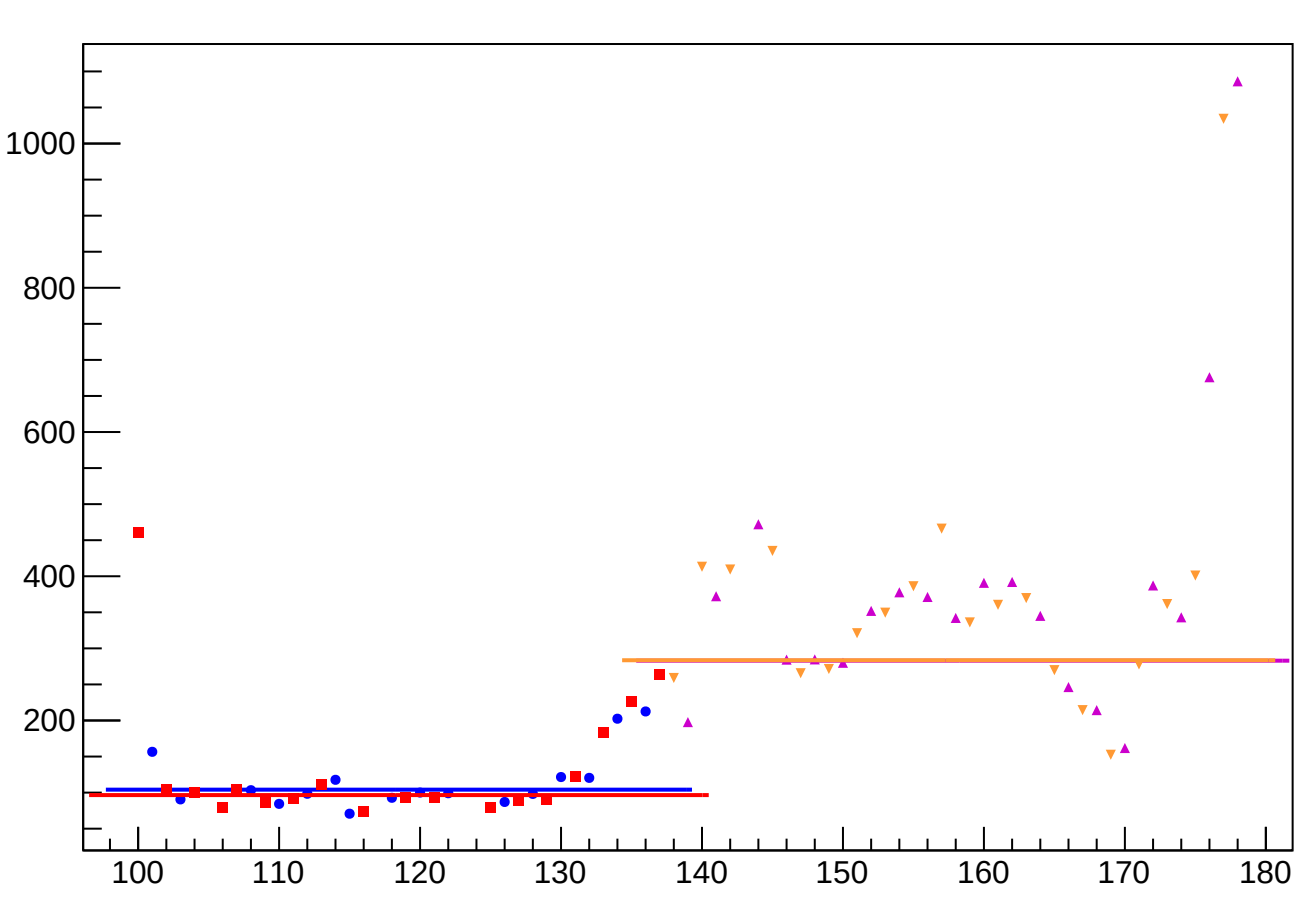
Left: 0.041+/-0.054 χ^2/NDF: 51.0/39

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.039+/-0.036 χ^2/NDF:33.8/35

Out: -0.023+/-0.035 χ^2/NDF:49.6/37

All: 0.007+/-0.025 χ^2/NDF: 84.9/73



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: 282.930+/-0.054 χ^2/NDF:3788604.8/19

Left: 283.231+/-0.038 χ^2/NDF: 7258193.4/39

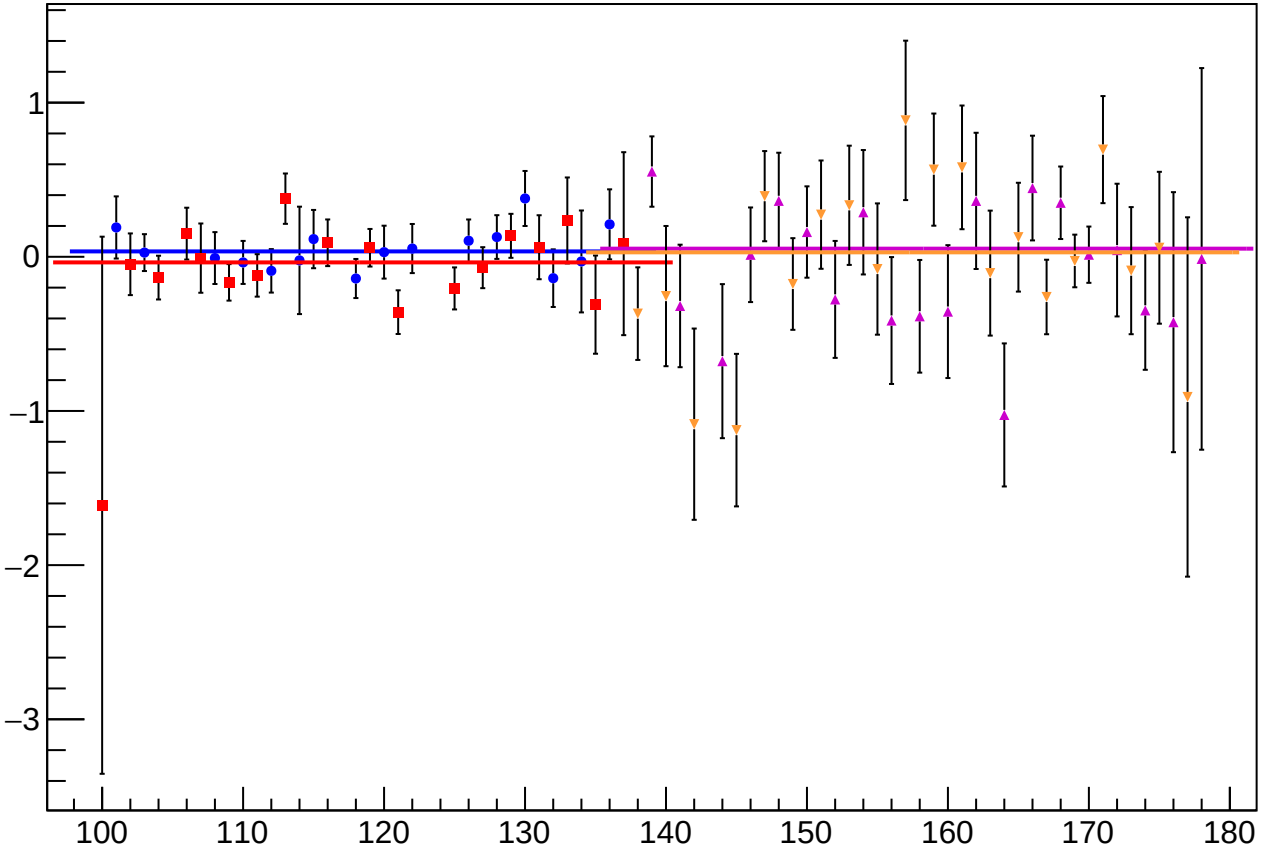
Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 144.695+/-0.026 χ^2/NDF:13403010.3/35

Out: 134.467+/-0.025 χ^2/NDF:13790470.2/37

All: 139.387+/-0.018 χ^2/NDF: 27276915.2/73

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.029+/-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:24.0/19

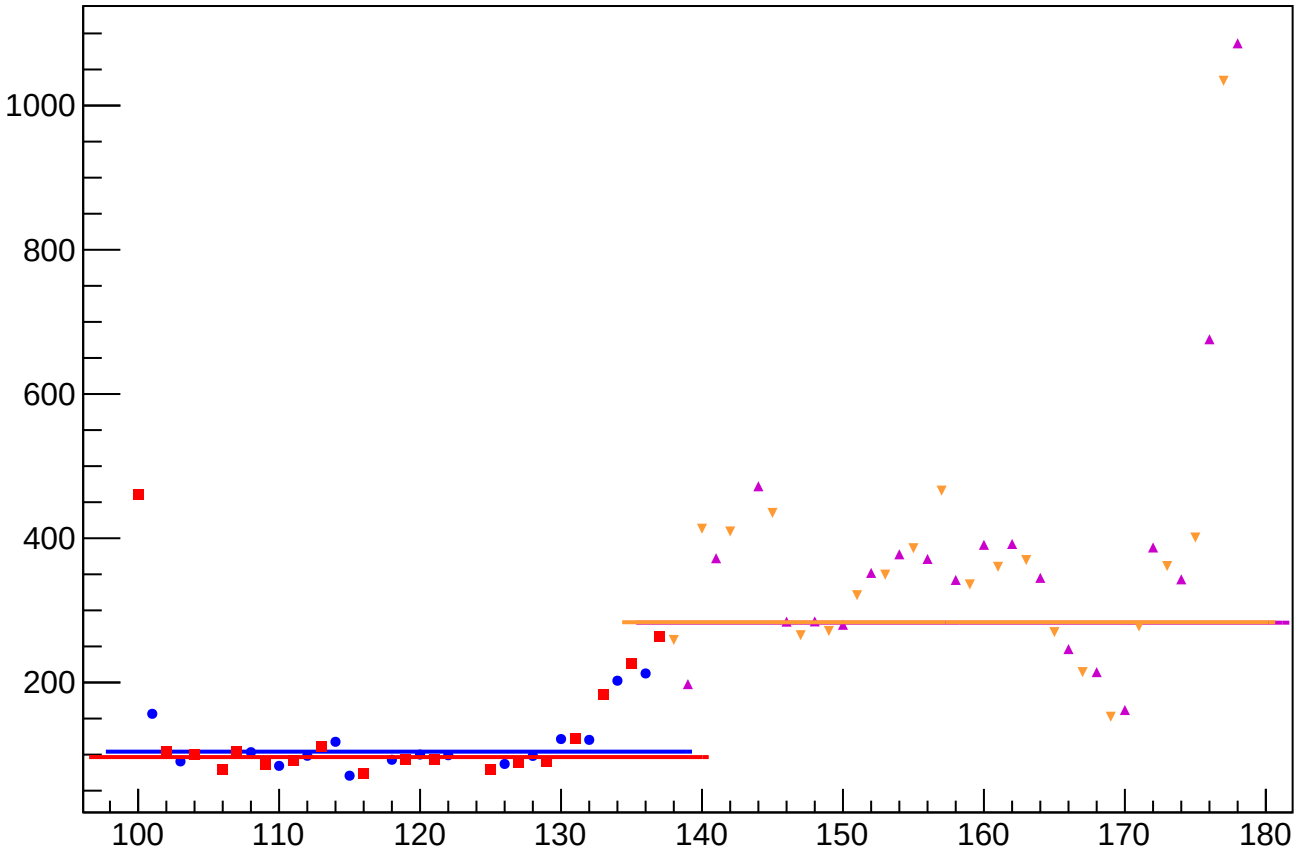
Left: 0.041+/-0.054 χ^2/NDF: 51.0/39

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.039+/-0.036 χ^2/NDF:33.8/35

Out: -0.023+/-0.035 χ^2/NDF:49.6/37

All: 0.007+/-0.025 χ^2/NDF: 84.9/73



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: 282.930+/-0.054 χ^2/NDF:3788604.8/19

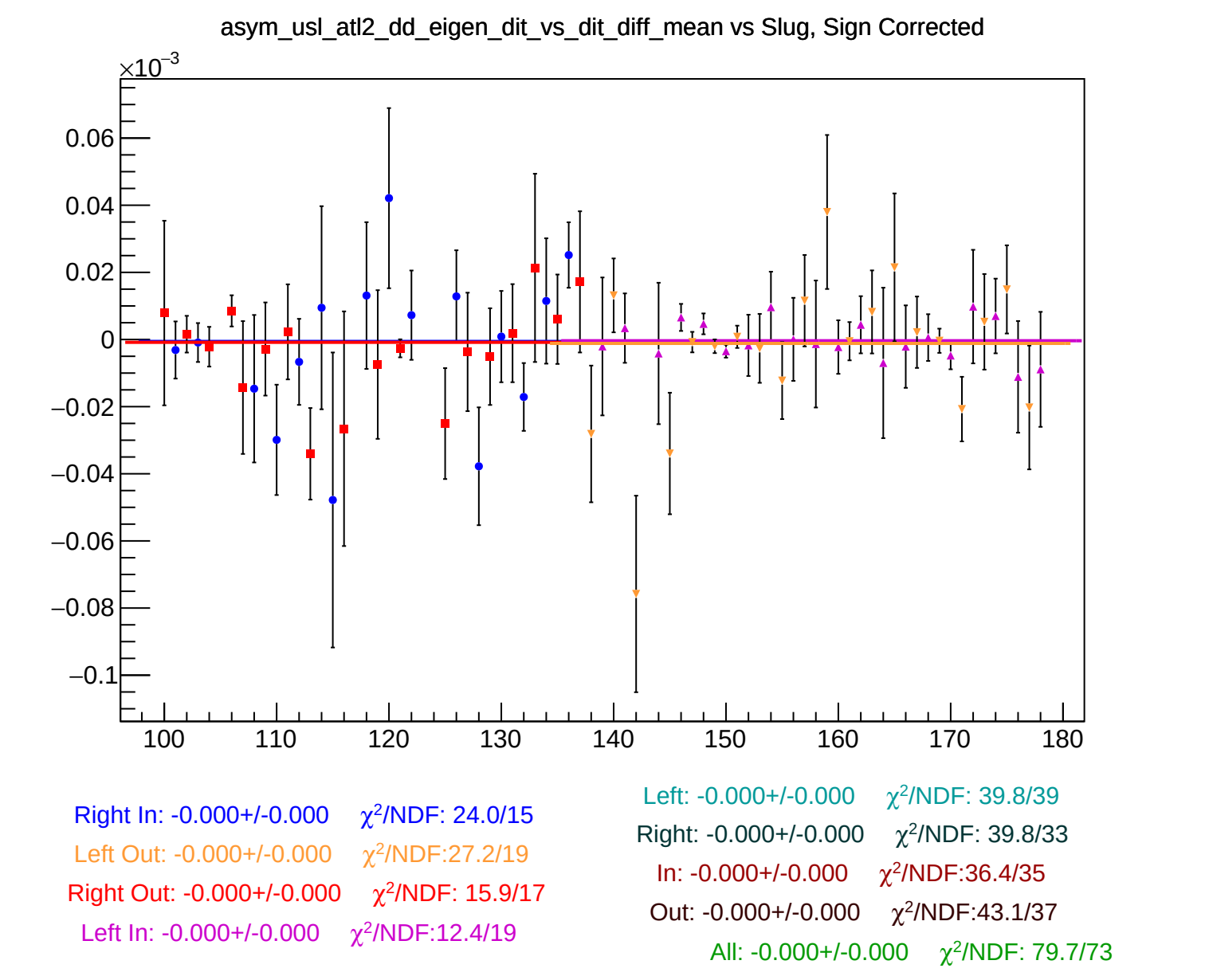
Left: 283.231+/-0.038 χ^2/NDF: 7258193.4/39

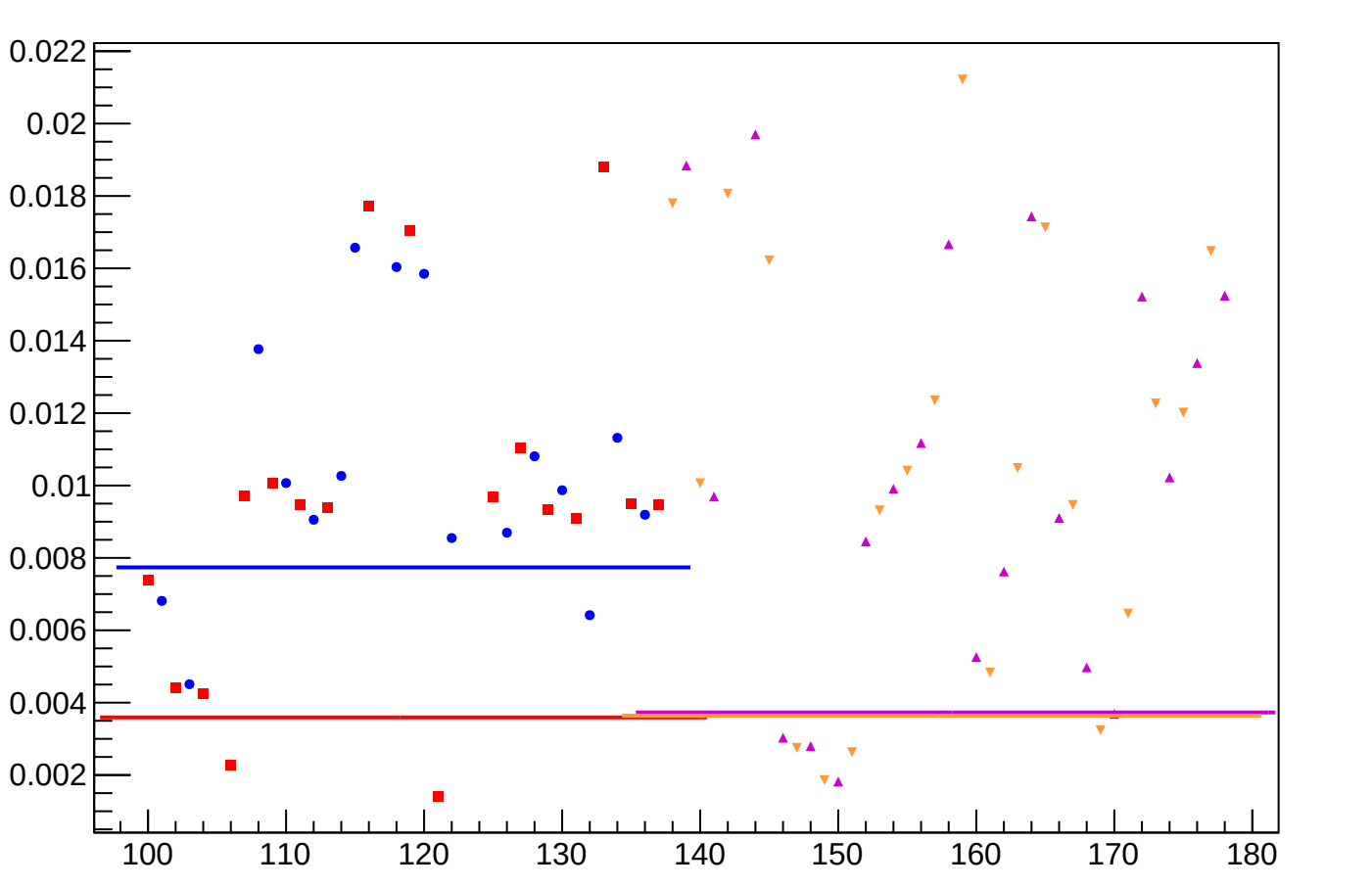
Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 144.695+/-0.026 χ^2/NDF:13403010.3/35

Out: 134.467+/-0.025 χ^2/NDF:13790470.2/37

All: 139.387+/-0.018 χ^2/NDF: 27276915.2/73


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 24.0/15
Left Out: -0.000+/-0.000 χ²/NDF:27.2/19
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/17
Left In: -0.000+/-0.000 χ²/NDF:12.4/19
Left: -0.000+/-0.000 χ²/NDF: 39.8/39
Right: -0.000+/-0.000 χ²/NDF: 39.8/33
In: -0.000+/-0.000 χ²/NDF:36.4/35
Out: -0.000+/-0.000 χ²/NDF:43.1/37
All: -0.000+/-0.000 χ²/NDF: 79.7/73



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:12858545.2/19

Left: 0.004+/-0.000 χ^2/NDF: 25907373.4/39

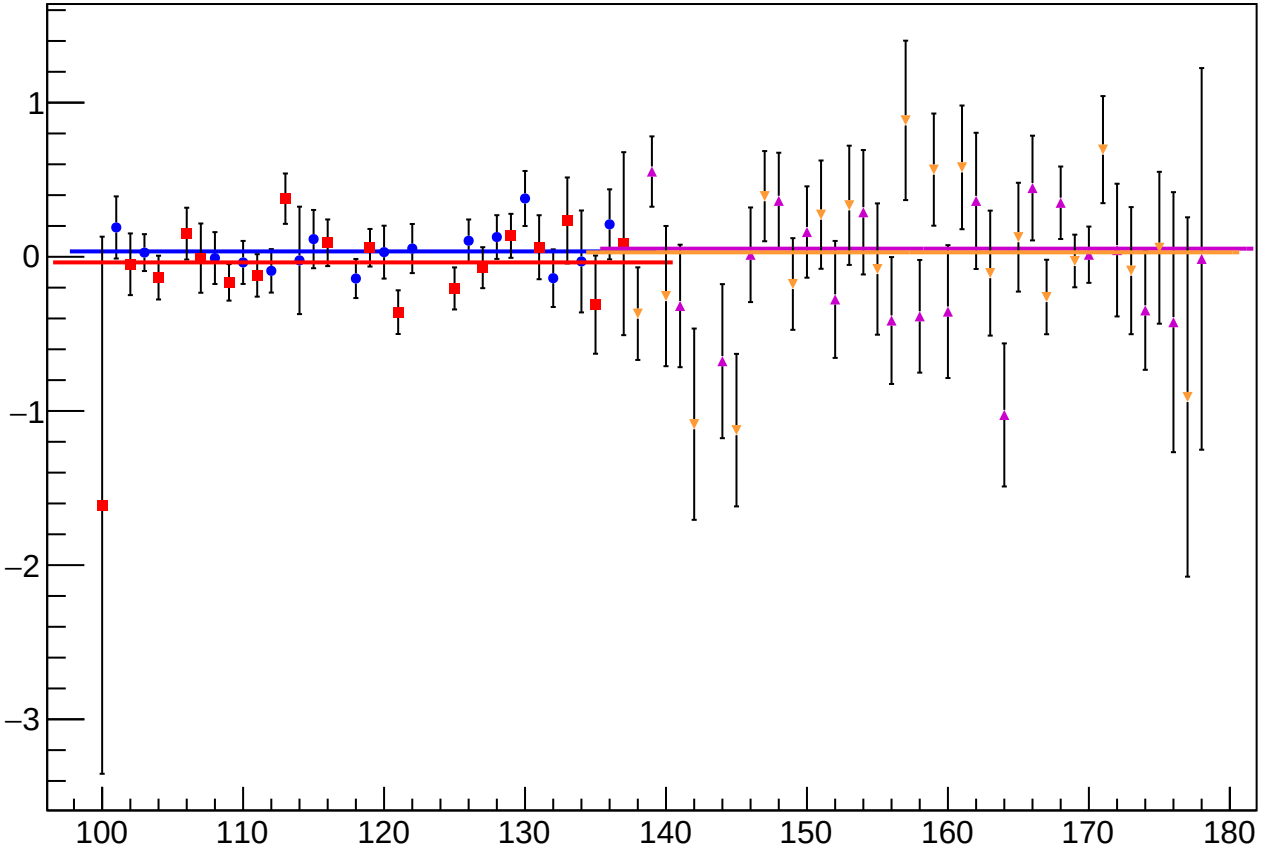
Right: 0.005+/-0.000 χ^2/NDF: 10695382.9/33

In: 0.004+/-0.000 χ^2/NDF:17402569.2/35

Out: 0.004+/-0.000 χ^2/NDF:19409918.7/37

All: 0.004+/-0.000 χ^2/NDF: 37185056.1/73

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.029+/-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:24.0/19

Left: 0.041+/-0.054 χ^2/NDF: 51.0/39

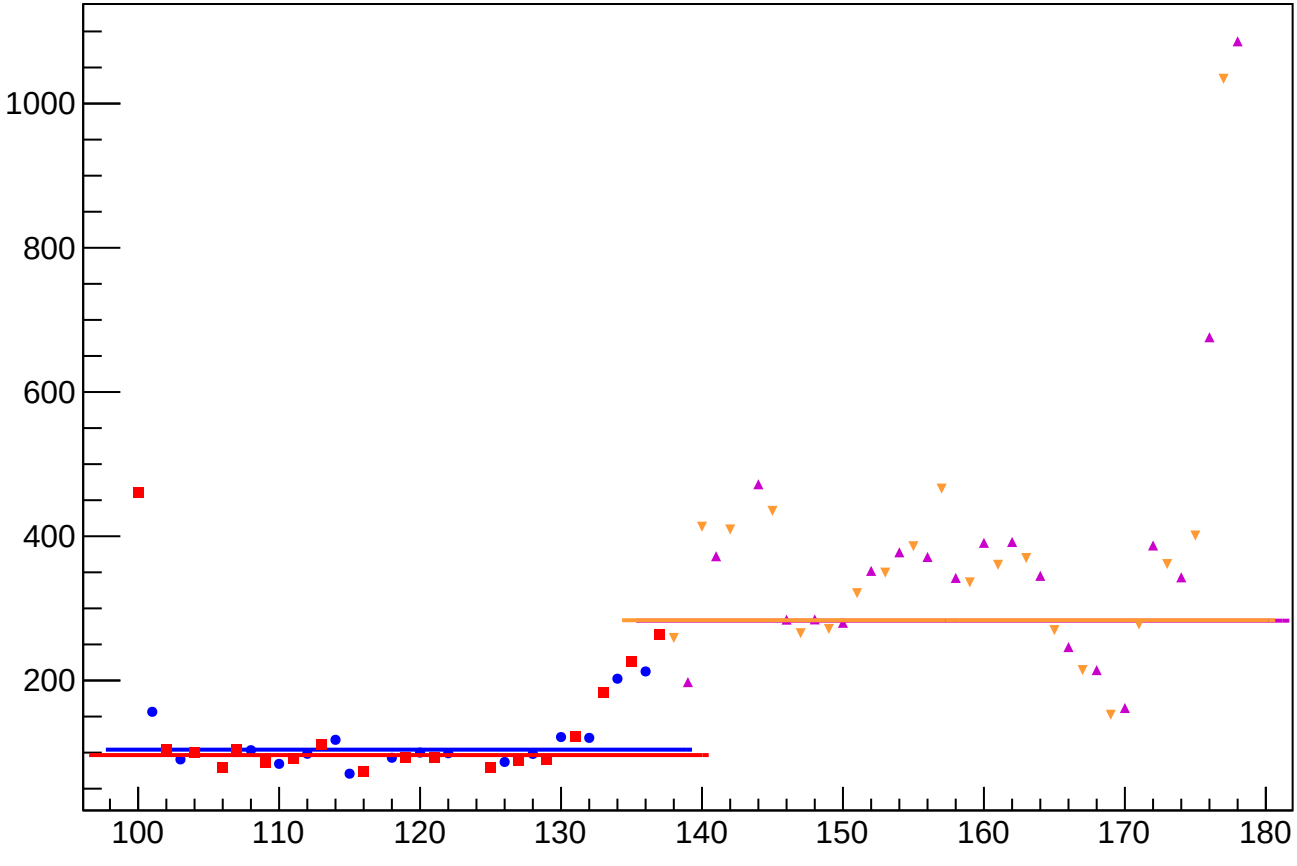
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.039+/-0.036 χ^2/NDF:33.8/35

Out: -0.023+/-0.035 χ^2/NDF:49.6/37

All: 0.007+/-0.025 χ^2/NDF: 84.9/73

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 283.544+/-0.055 χ^2/NDF:3469574.5/19

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 282.934+/-0.054 χ^2/NDF:3788563.8/19

Left: 283.233+/-0.038 χ^2/NDF: 7258202.1/39

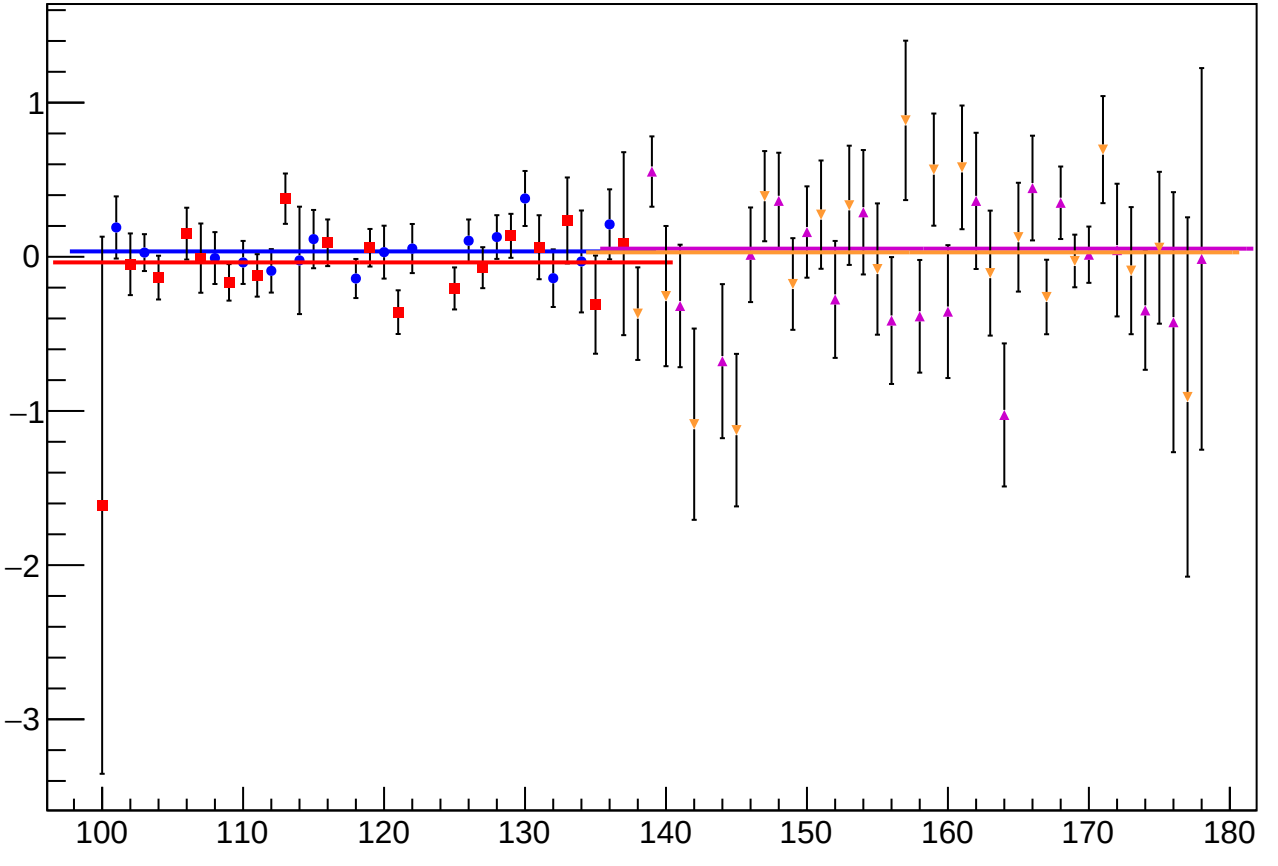
Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 144.696+/-0.026 χ^2/NDF:13402982.8/35

Out: 134.468+/-0.025 χ^2/NDF:13790356.2/37

All: 139.389+/-0.018 χ^2/NDF: 27276765.4/73

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:24.0/19

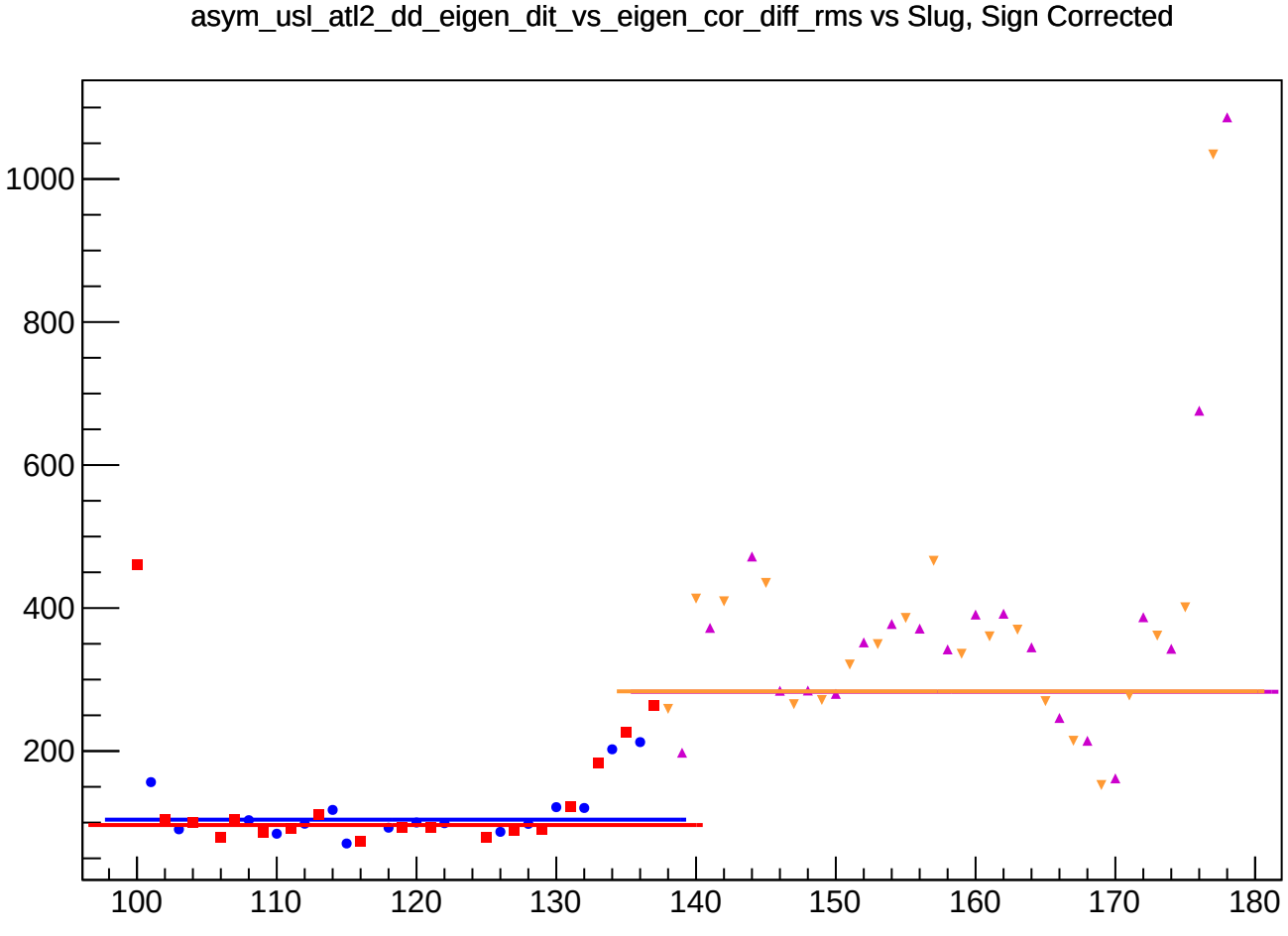
Left: 0.041+/-0.054 χ^2/NDF: 51.0/39

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.039+/-0.036 χ^2/NDF:33.8/35

Out: -0.023+/-0.035 χ^2/NDF:49.6/37

All: 0.007+/-0.025 χ^2/NDF: 84.9/73



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: 282.934+/-0.054 χ^2/NDF:3788563.8/19

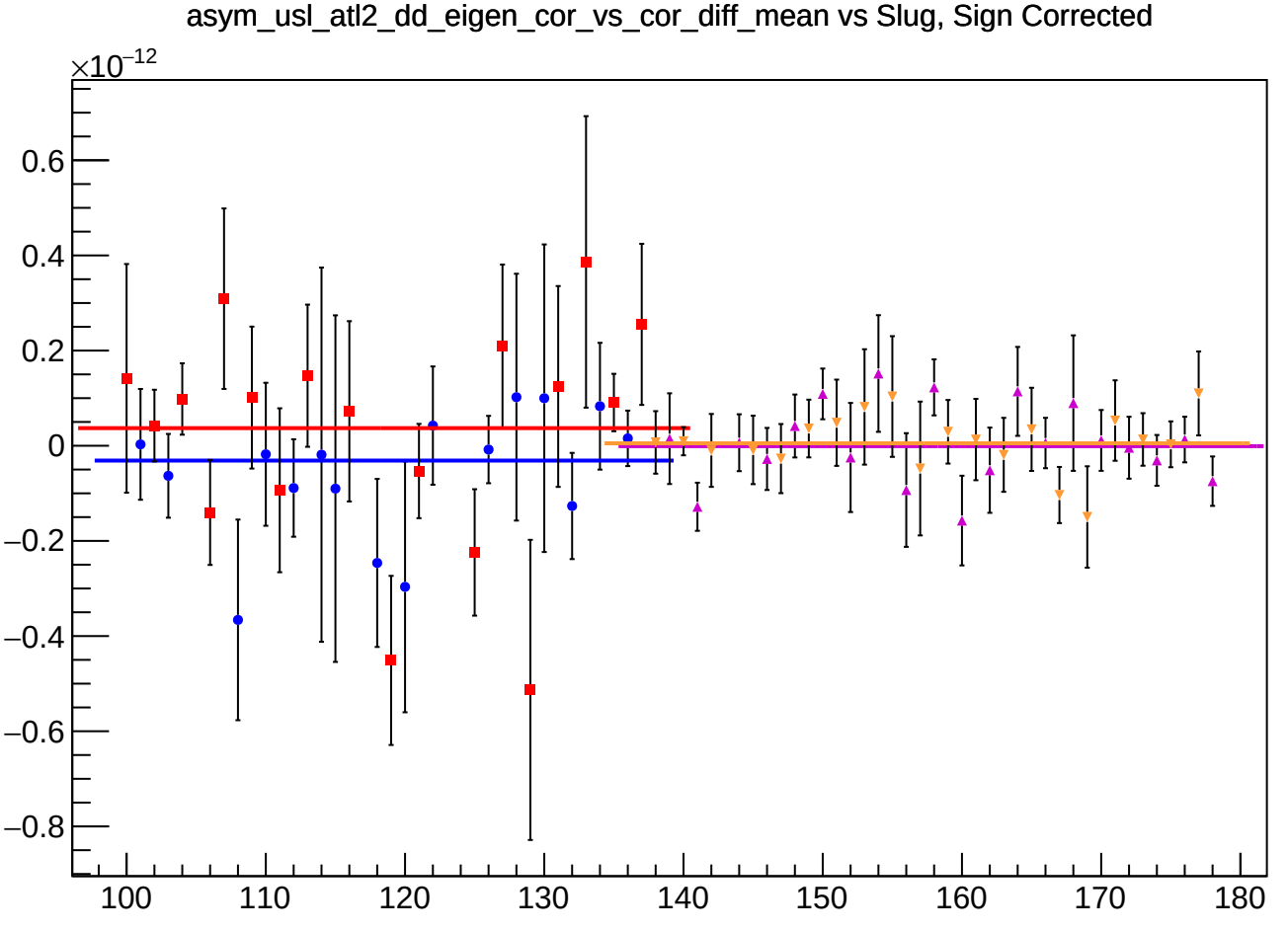
Left: 283.233+/-0.038 χ^2/NDF: 7258202.1/39

Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 144.696+/-0.026 χ^2/NDF:13402982.8/35

Out: 134.468+/-0.025 χ^2/NDF:13790356.2/37

All: 139.389+/-0.018 χ^2/NDF: 27276765.4/73



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:25.3/19

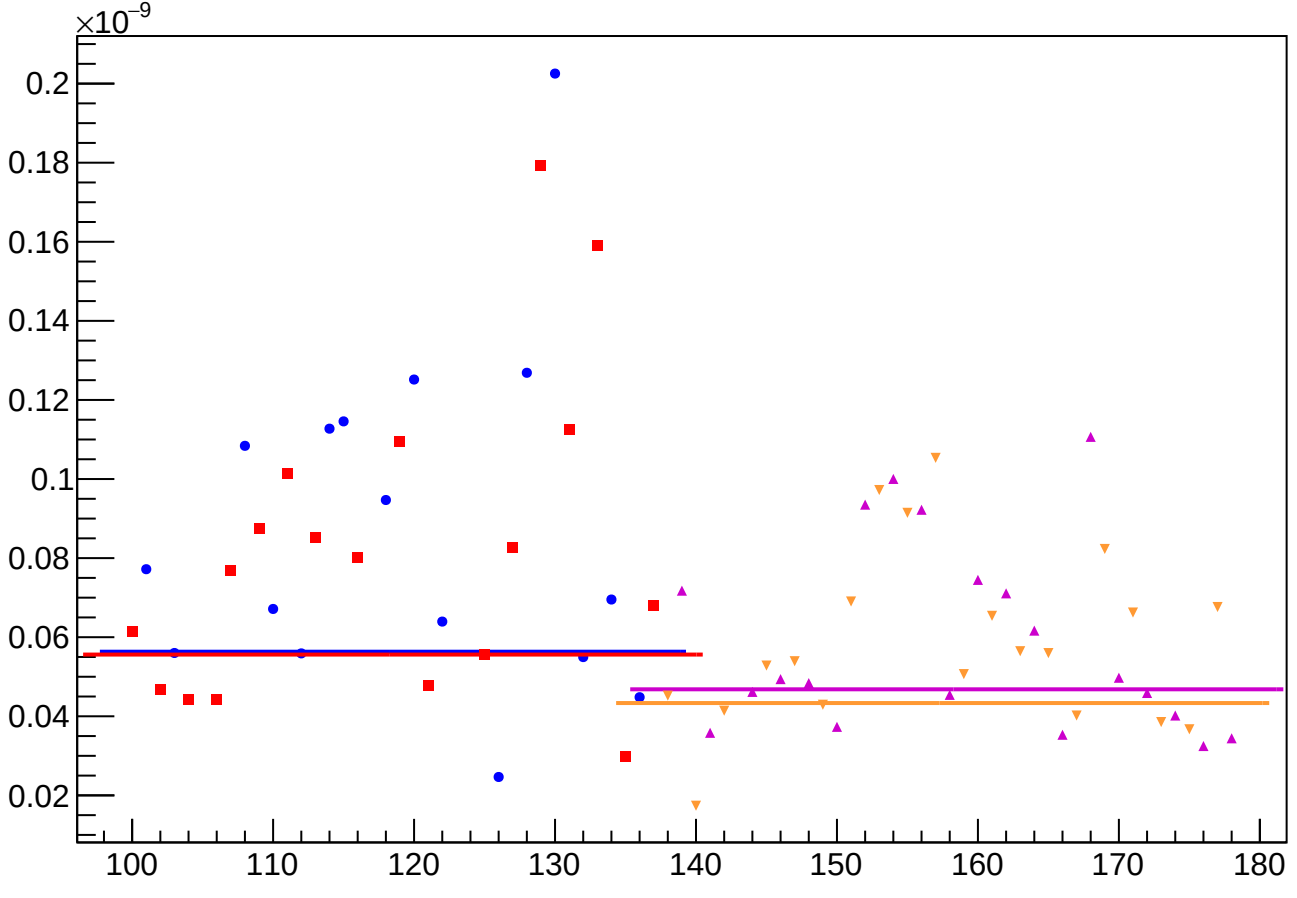
Left: 0.000+/-0.000 χ^2/NDF: 34.9/39

Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: -0.000+/-0.000 χ^2/NDF:34.7/35

Out: 0.000+/-0.000 χ^2/NDF:37.6/37

All: 0.000+/-0.000 χ^2/NDF: 73.3/73



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:2492580.8/19

Left: 0.000+/-0.000 χ^2/NDF: 6277983.5/39

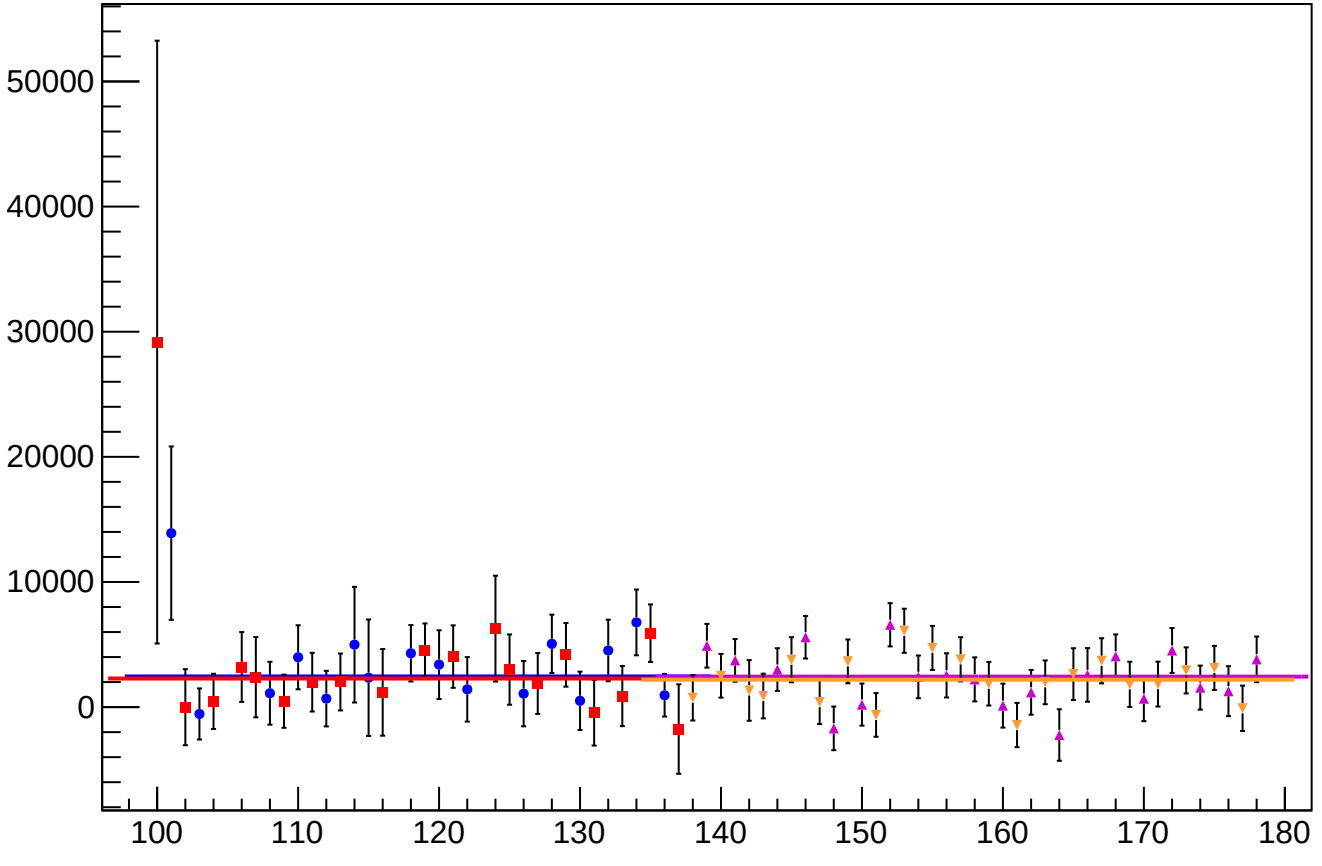
Right: 0.000+/-0.000 χ^2/NDF: 3350763.8/33

In: 0.000+/-0.000 χ^2/NDF:4240294.1/35

Out: 0.000+/-0.000 χ^2/NDF:5785610.0/37

All: 0.000+/-0.000 χ^2/NDF: 10071676.6/73

reg_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



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: 2435.297+/-399.053 χ^2/NDF:31.0/19

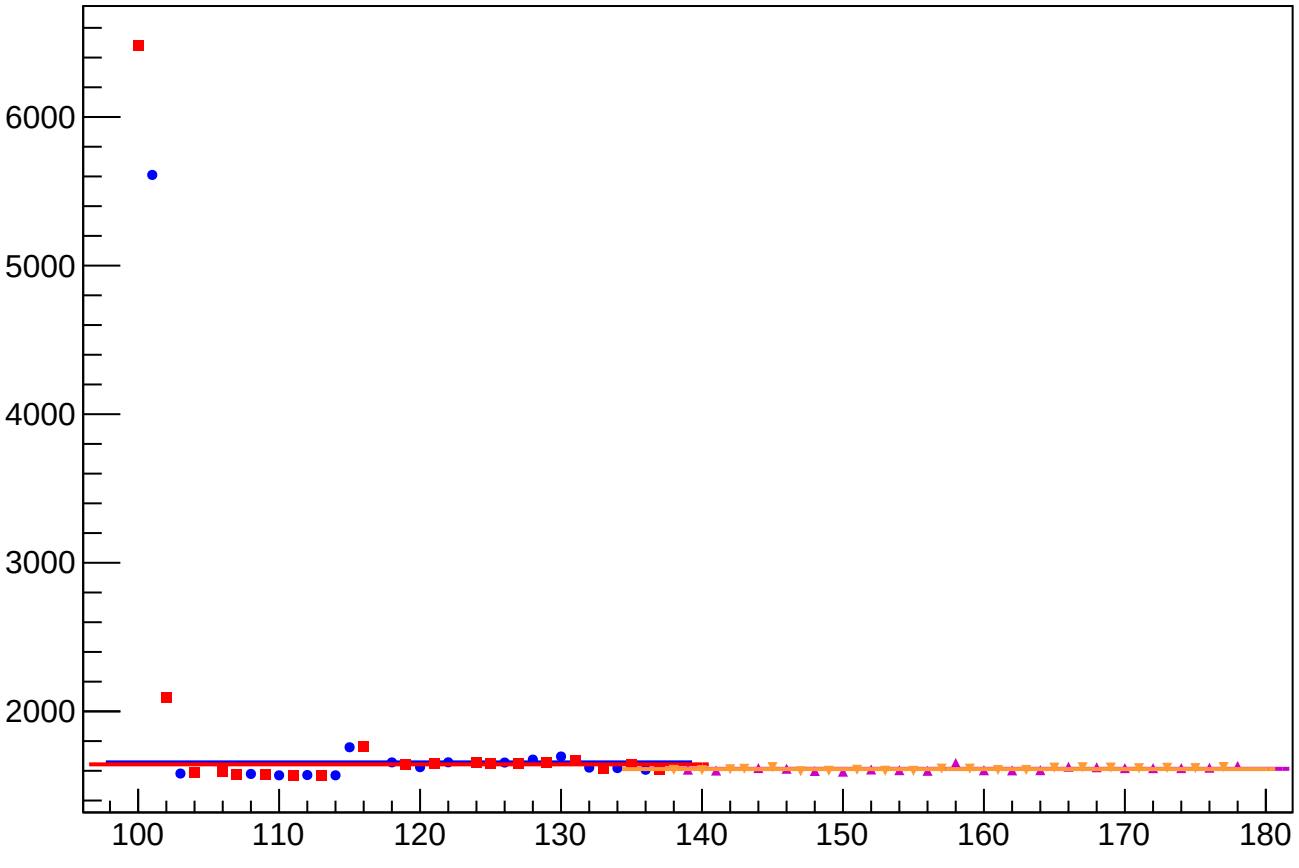
Left: 2313.496+/-280.572 χ^2/NDF: 52.6/40

Right: 2365.487+/-438.001 χ^2/NDF: 25.7/34

In: 2439.492+/-337.151 χ^2/NDF:44.8/35

Out: 2221.656+/-331.162 χ^2/NDF:33.3/39

All: 2328.622+/-236.256 χ^2/NDF: 78.3/75



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: 1613.339+/-0.282 χ^2/NDF:2330.3/19

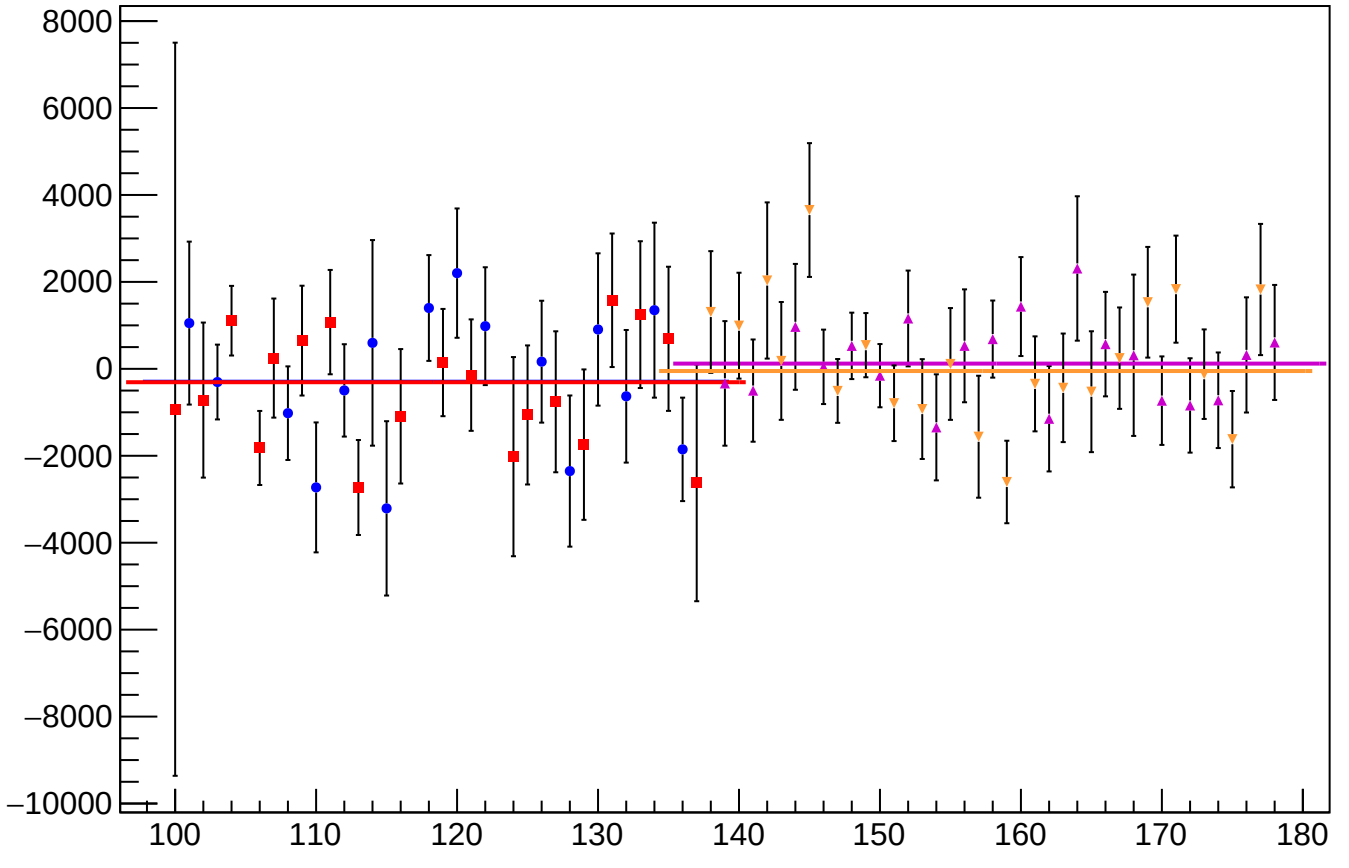
Left: 1612.434+/-0.198 χ^2/NDF: 3393.2/40

Right: 1649.831+/-0.310 χ^2/NDF: 803681.3/34

In: 1625.743+/-0.238 χ^2/NDF:675309.2/35

Out: 1620.972+/-0.234 χ^2/NDF:141899.5/39

All: 1623.315+/-0.167 χ^2/NDF: 817412.5/75



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: 120.354+/-245.479 χ^2/NDF:10.5/19

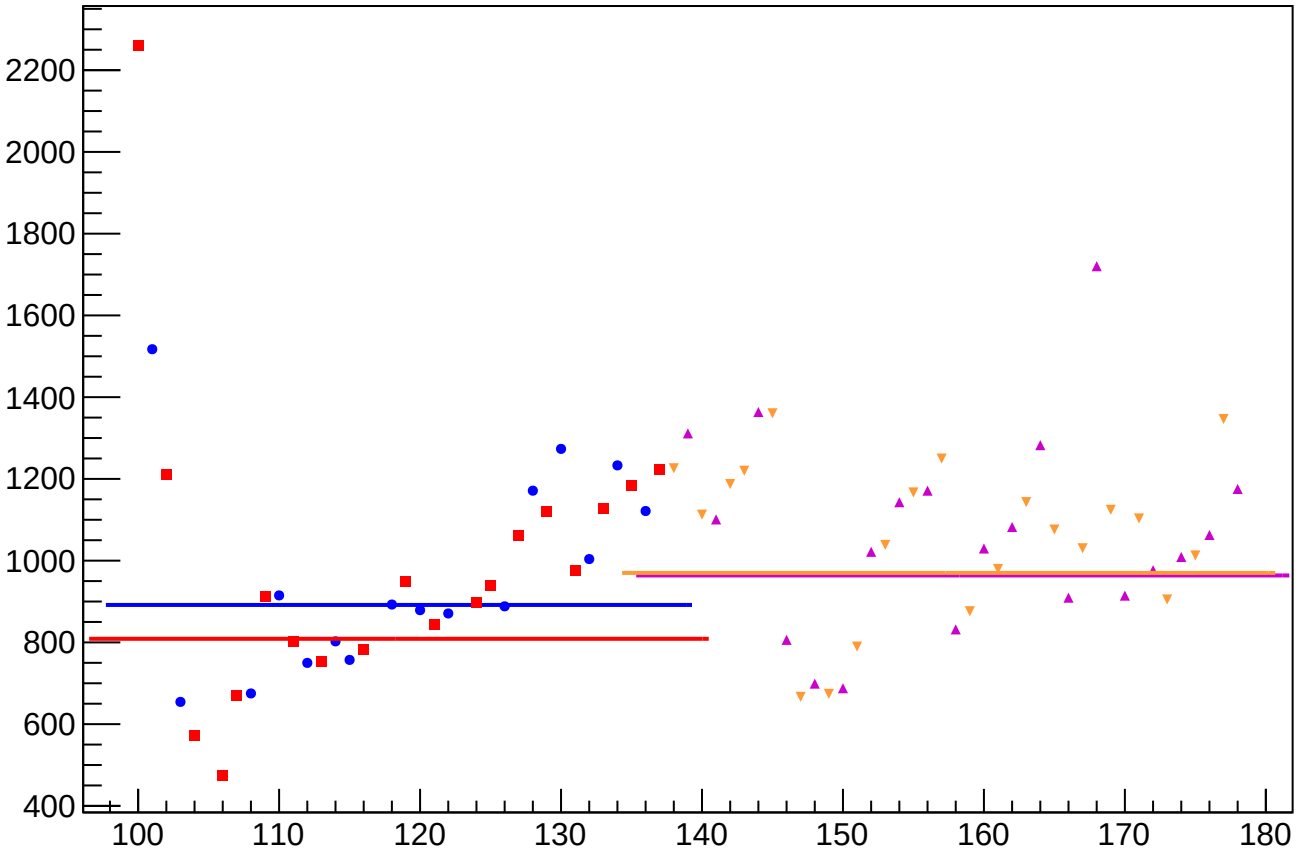
Left: 34.831+/-173.419 χ^2/NDF: 38.2/40

Right: -302.580+/-231.328 χ^2/NDF: 34.7/34

In: -20.585+/-199.708 χ^2/NDF:27.5/35

Out: -148.150+/-192.933 χ^2/NDF:46.5/39

All: -86.568+/-138.758 χ^2/NDF: 74.2/75



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: 963.785+/-0.174 χ^2/NDF:1543715.4/19

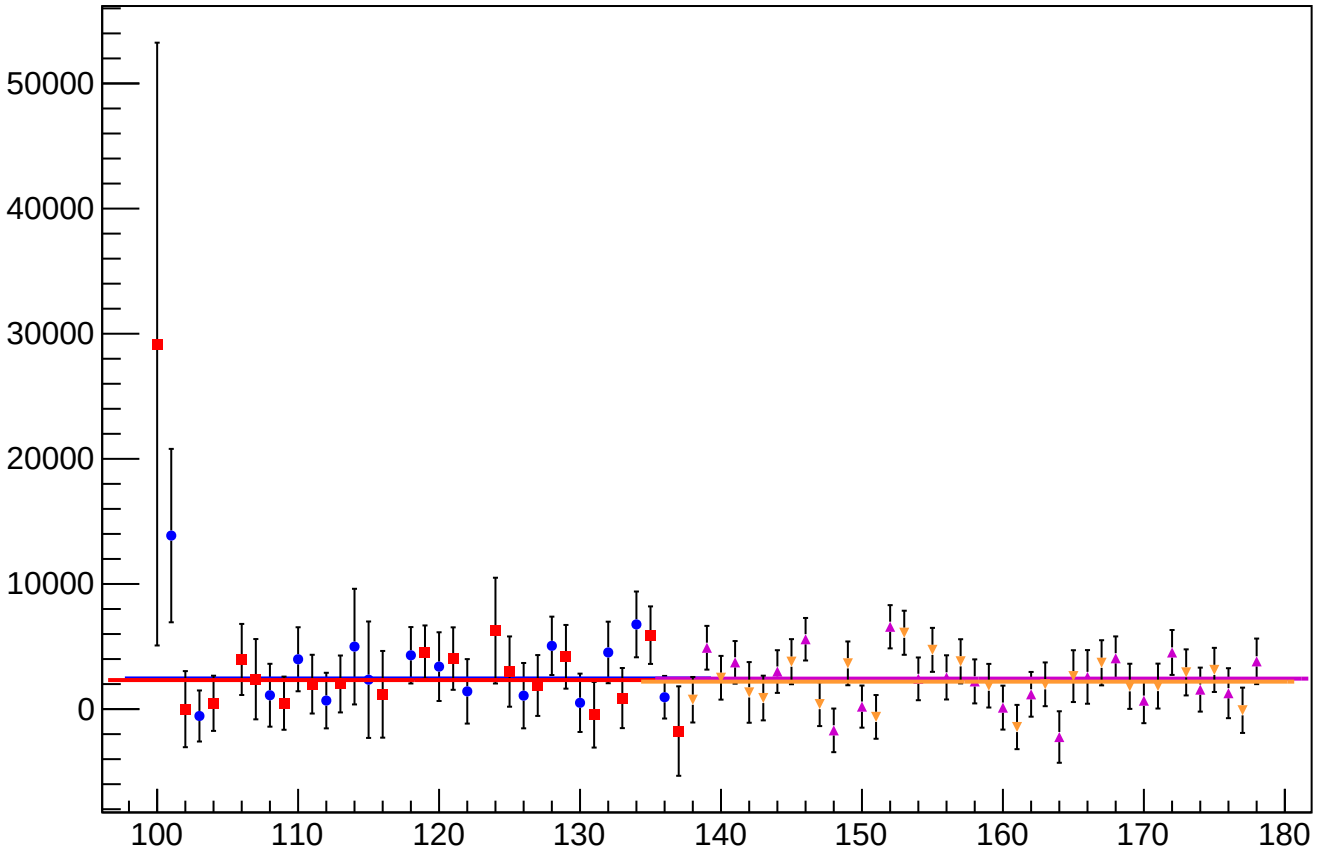
Left: 966.905+/-0.123 χ^2/NDF: 3010209.2/40

Right: 846.386+/-0.164 χ^2/NDF: 1941284.0/34

In: 939.387+/-0.141 χ^2/NDF:2396037.8/35

Out: 908.755+/-0.136 χ^2/NDF:2878650.8/39

All: 923.542+/-0.098 χ^2/NDF: 5299028.1/75



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: 2435.333+/-399.053 χ^2/NDF:31.0/19

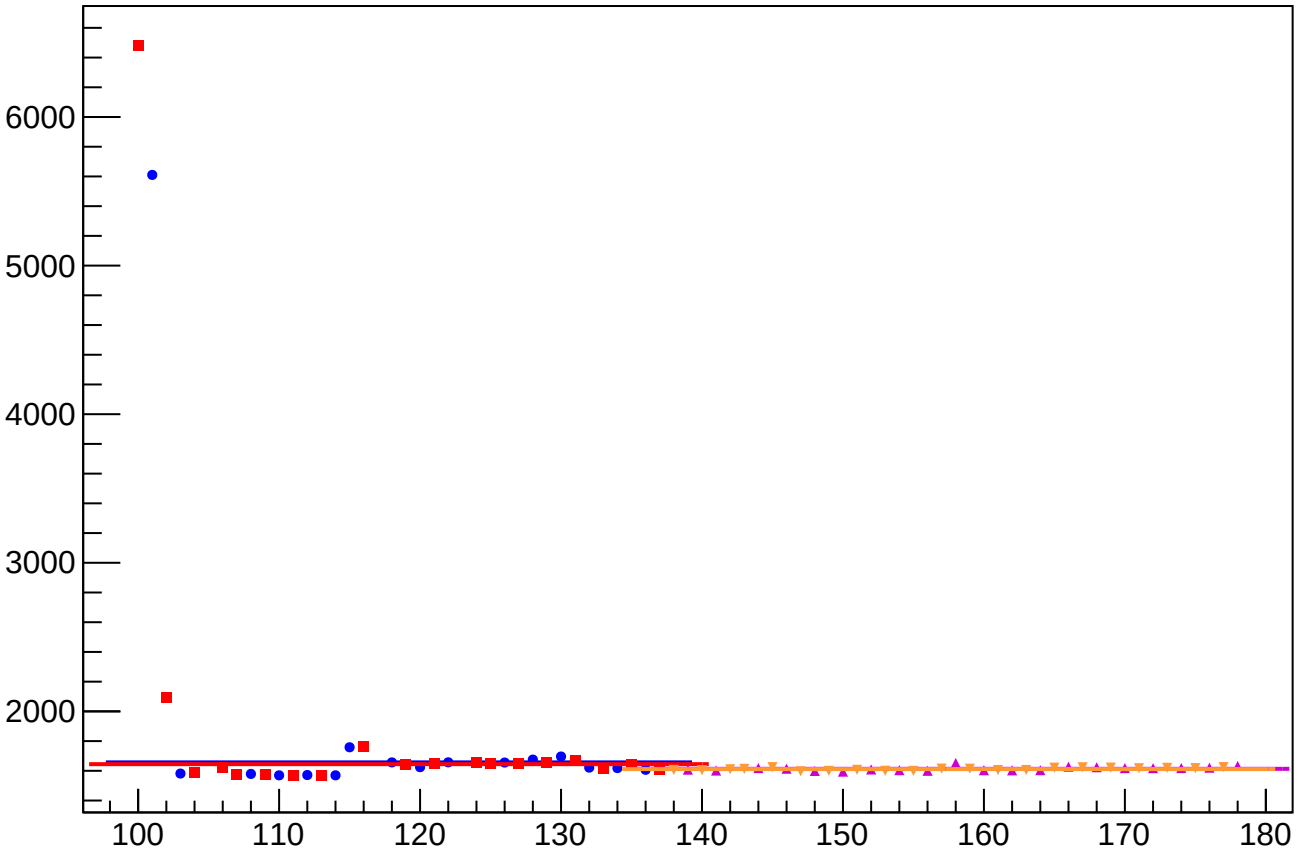
Left: 2313.509+/-280.572 χ^2/NDF: 52.6/40

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2439.358+/-337.151 χ^2/NDF:44.8/35

Out: 2231.655+/-331.242 χ^2/NDF:33.5/39

All: 2333.671+/-236.285 χ^2/NDF: 78.6/75



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: 1613.339+/-0.282 χ^2/NDF:2330.3/19

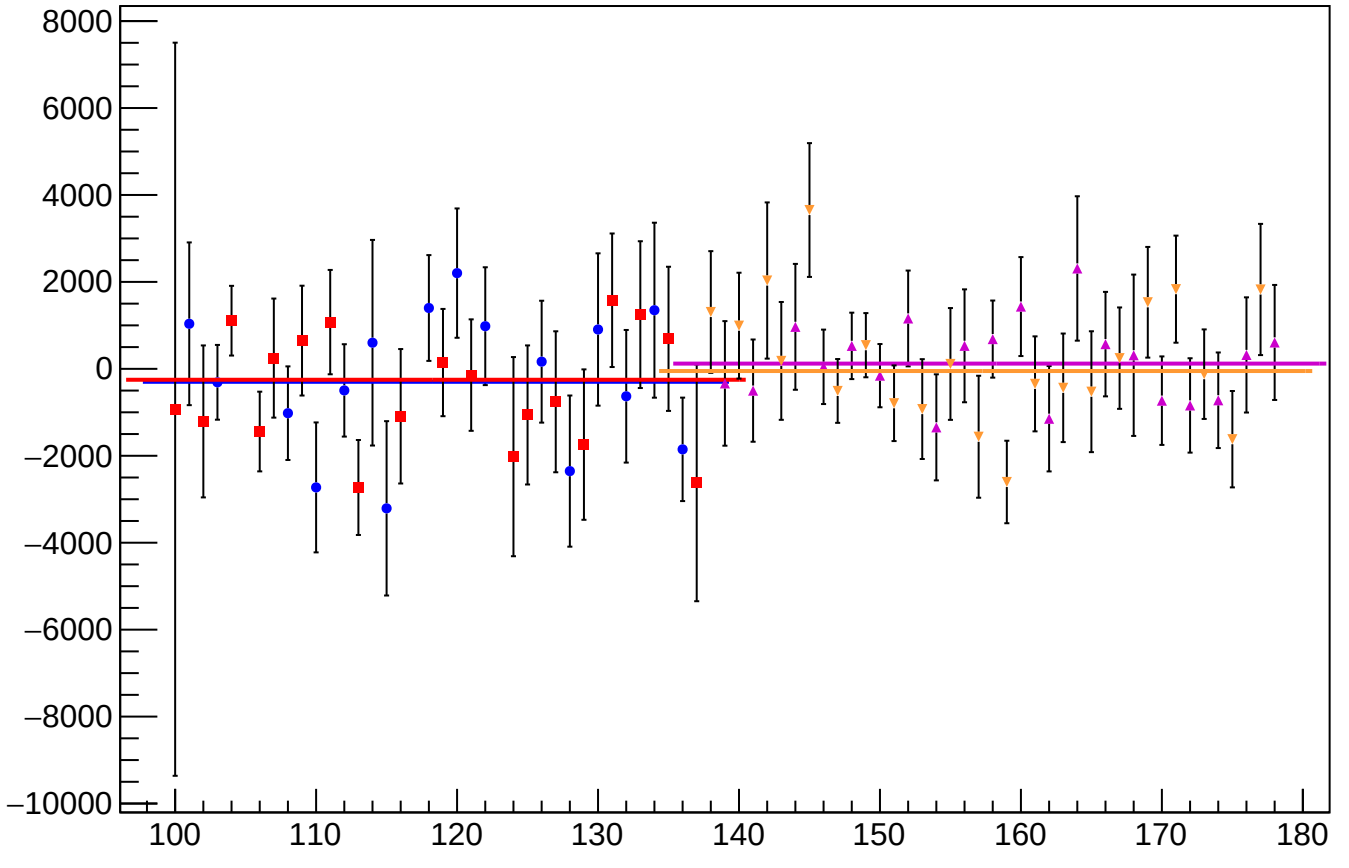
Left: 1612.434+/-0.198 χ^2/NDF: 3393.2/40

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1625.743+/-0.238 χ^2/NDF:675308.7/35

Out: 1621.346+/-0.234 χ^2/NDF:141701.7/39

All: 1623.505+/-0.167 χ^2/NDF: 817183.5/75



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: 120.381+/-245.480 χ^2/NDF:10.5/19

Left: 34.818+/-173.419 χ^2/NDF: 38.2/40

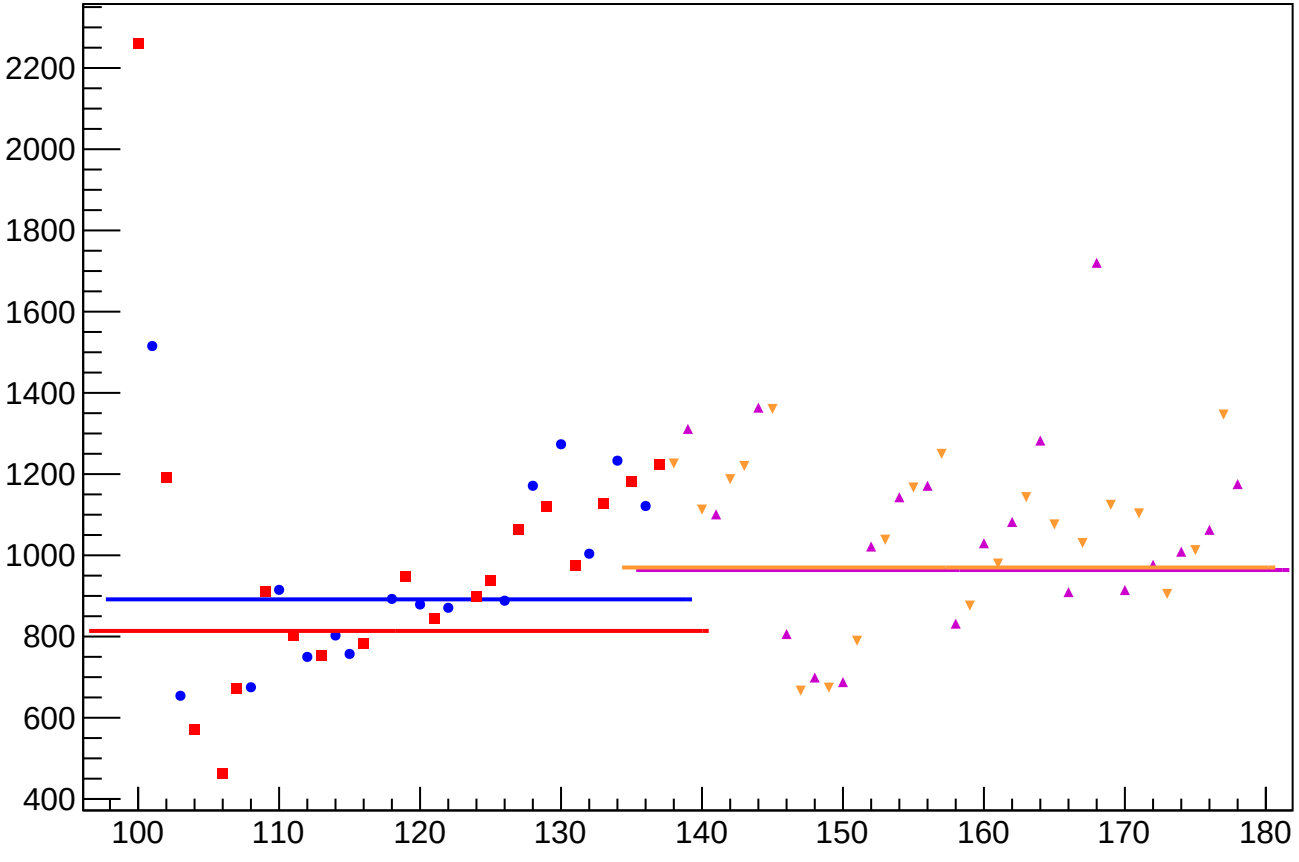
Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -21.048+/-199.700 χ^2/NDF:27.5/35

Out: -125.900+/-193.576 χ^2/NDF:44.9/39

All: -75.106+/-138.994 χ^2/NDF: 72.5/75

asym_usr_atr1_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 970.003+/-0.173 χ^2/NDF:1465940.0/20

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 963.791+/-0.174 χ^2/NDF:1543674.9/19

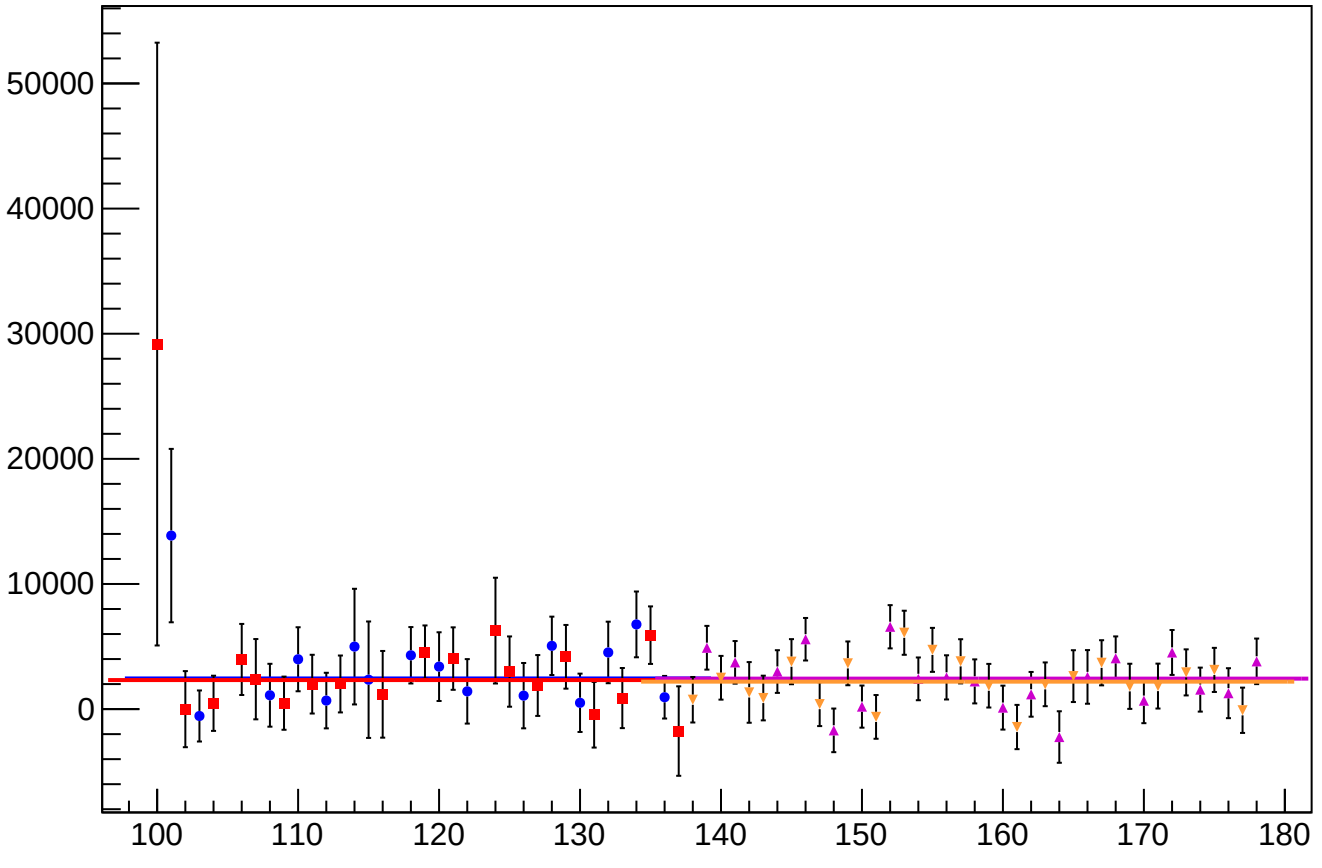
Left: 966.903+/-0.123 χ^2/NDF: 3010256.6/40

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 939.353+/-0.141 χ^2/NDF:2395938.9/35

Out: 911.297+/-0.137 χ^2/NDF:2824405.5/39

All: 924.888+/-0.098 χ^2/NDF: 5240697.2/75



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: 2435.333+/-399.053 χ^2/NDF:31.0/19

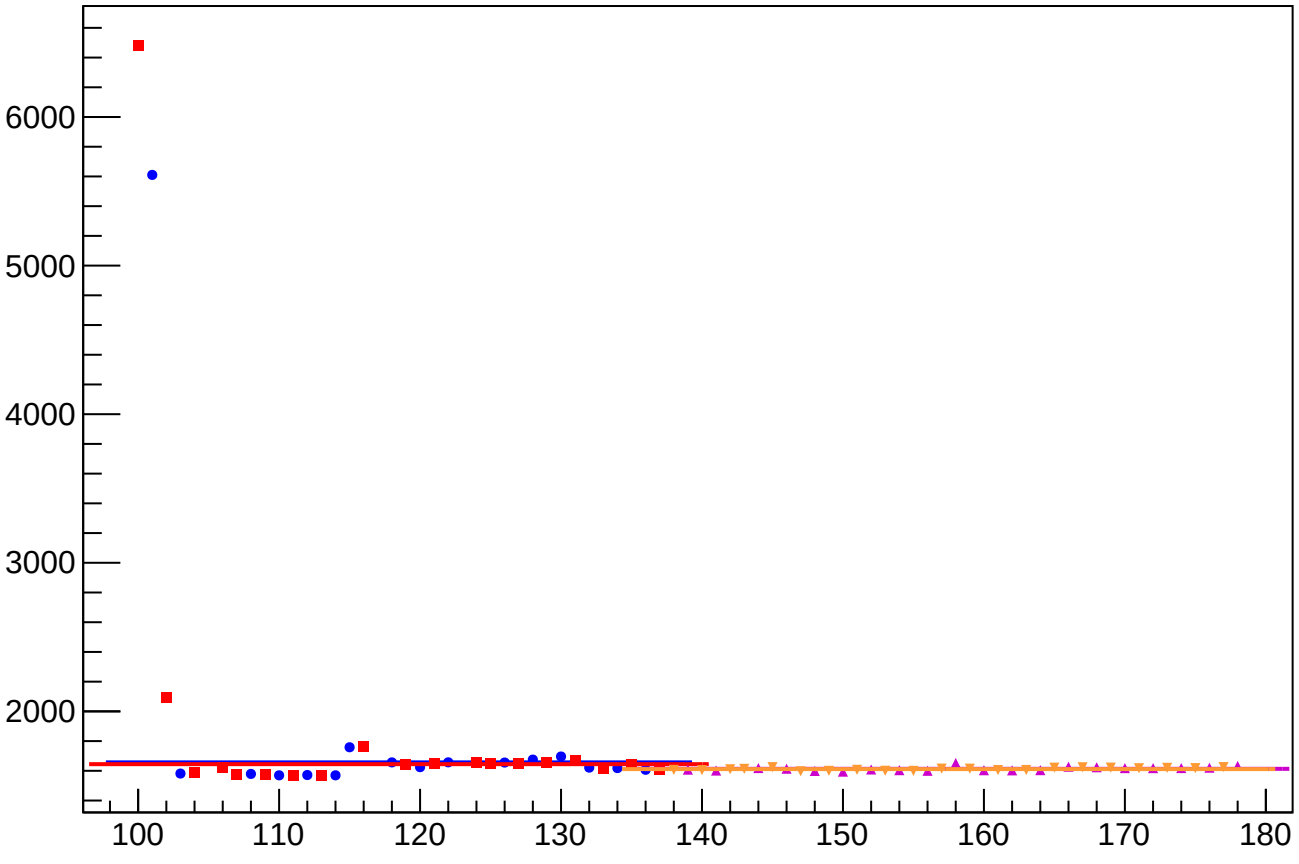
Left: 2313.509+/-280.572 χ^2/NDF: 52.6/40

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2439.358+/-337.151 χ^2/NDF:44.8/35

Out: 2231.655+/-331.242 χ^2/NDF:33.5/39

All: 2333.671+/-236.285 χ^2/NDF: 78.6/75



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: 1613.339+/-0.282 χ^2/NDF:2330.3/19

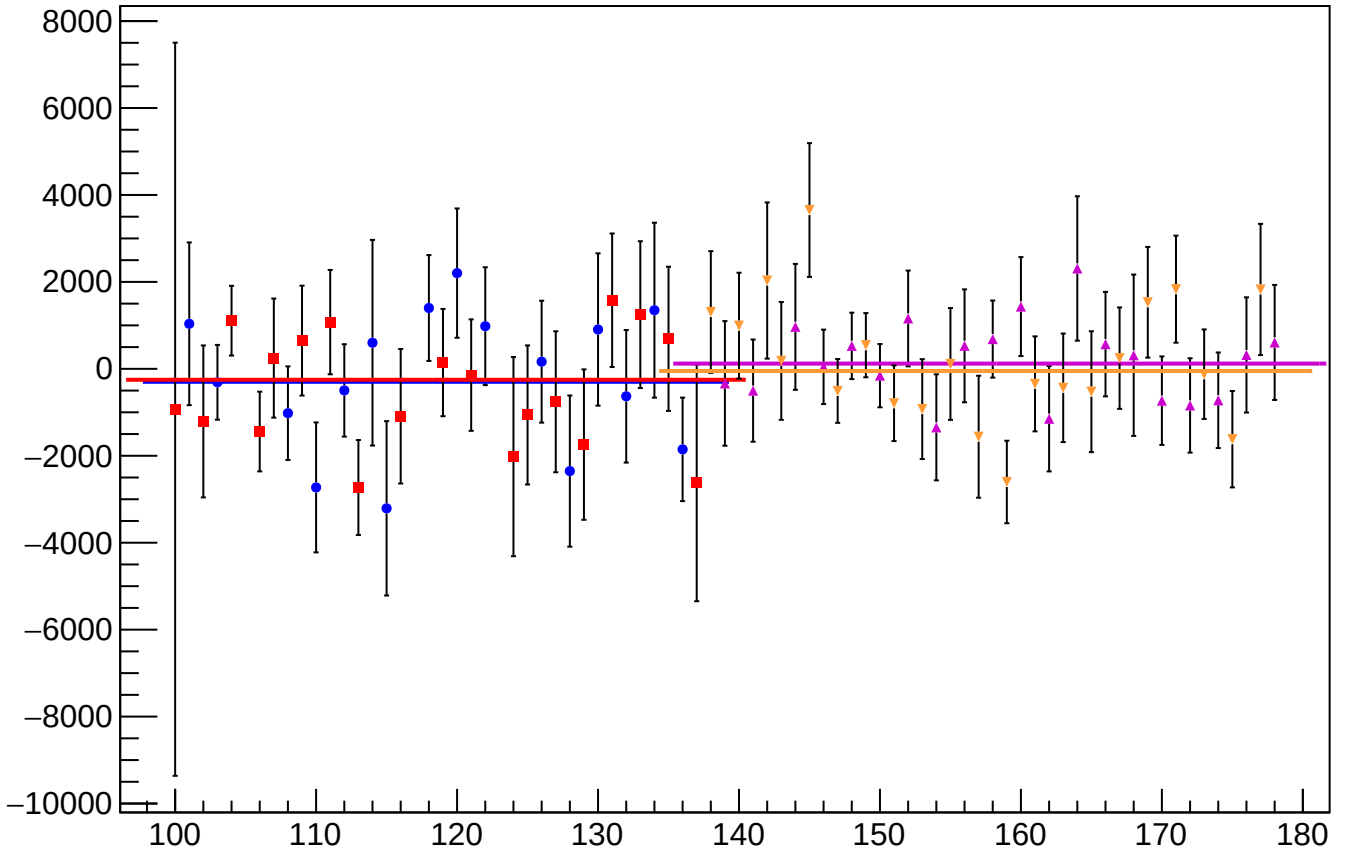
Left: 1612.434+/-0.198 χ^2/NDF: 3393.2/40

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1625.743+/-0.238 χ^2/NDF:675308.7/35

Out: 1621.346+/-0.234 χ^2/NDF:141701.7/39

All: 1623.505+/-0.167 χ^2/NDF: 817183.5/75



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: 120.381+/-245.480 χ^2/NDF:10.5/19

Left: 34.818+/-173.419 χ^2/NDF: 38.2/40

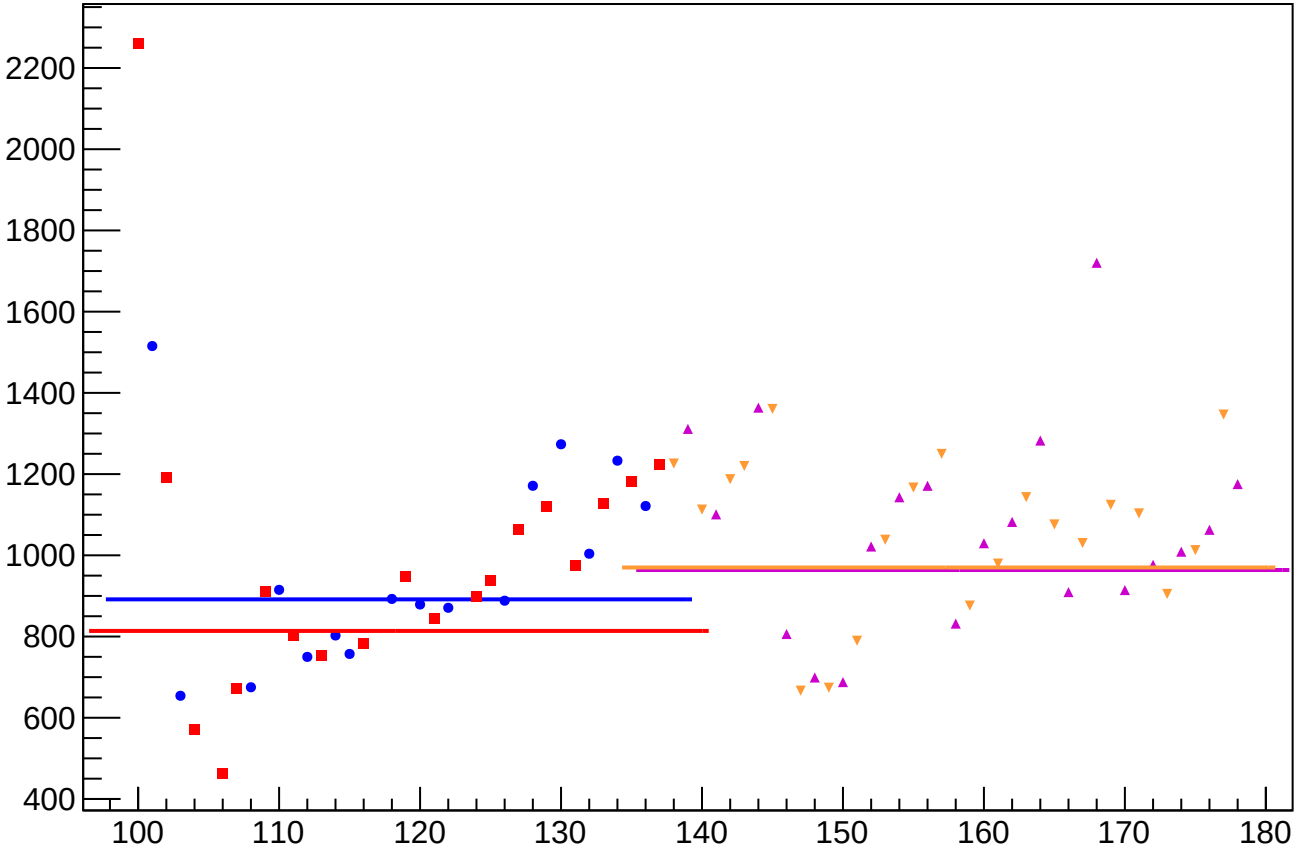
Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -21.048+/-199.700 χ^2/NDF:27.5/35

Out: -125.900+/-193.576 χ^2/NDF:44.9/39

All: -75.106+/-138.994 χ^2/NDF: 72.5/75

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: 963.791+/-0.174 χ^2/NDF:1543674.9/19

Left: 966.903+/-0.123 χ^2/NDF: 3010256.6/40

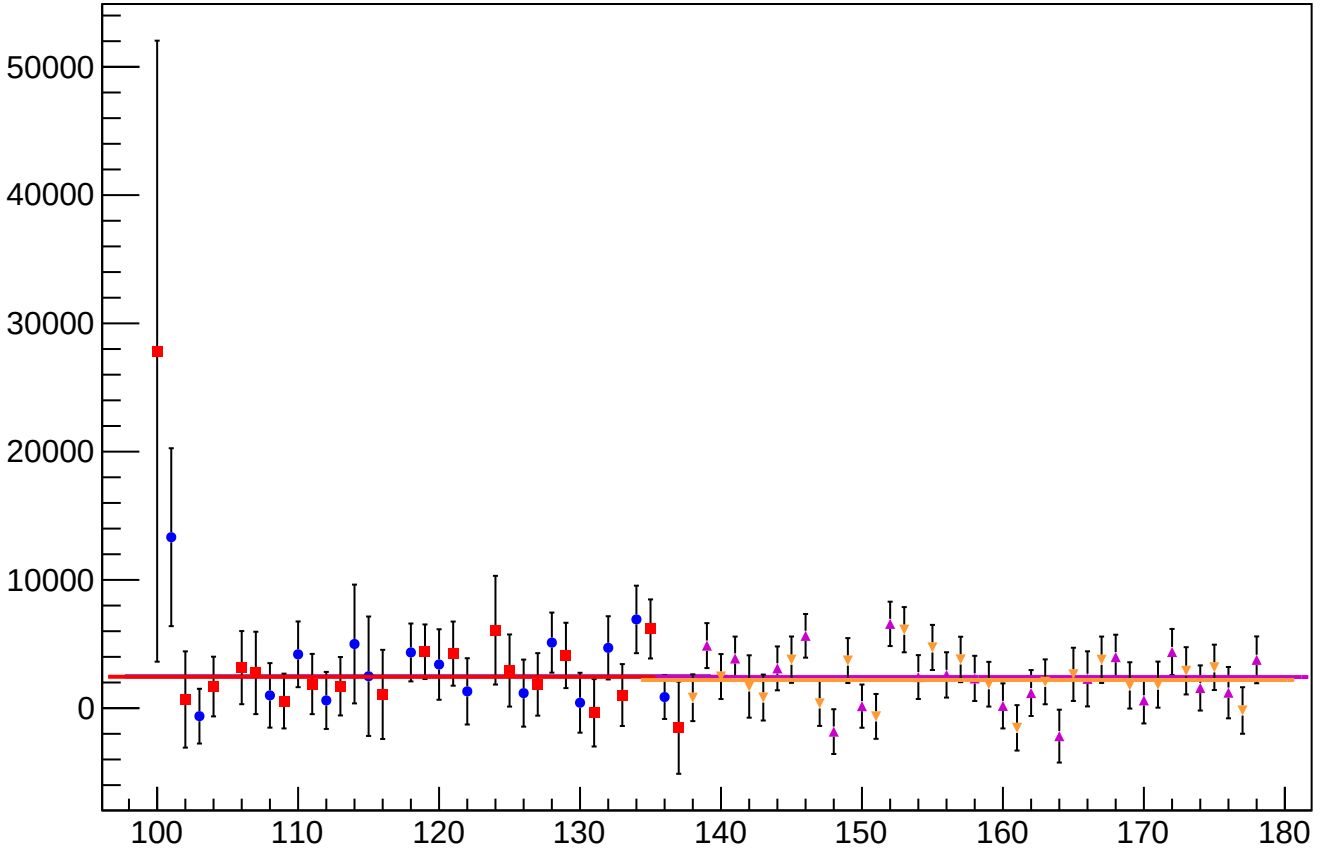
Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 939.353+/-0.141 χ^2/NDF:2395938.9/35

Out: 911.297+/-0.137 χ^2/NDF:2824405.5/39

All: 924.888+/-0.098 χ^2/NDF: 5240697.2/75

dit_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



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: 2424.483+/-399.613 χ^2/NDF:31.2/19

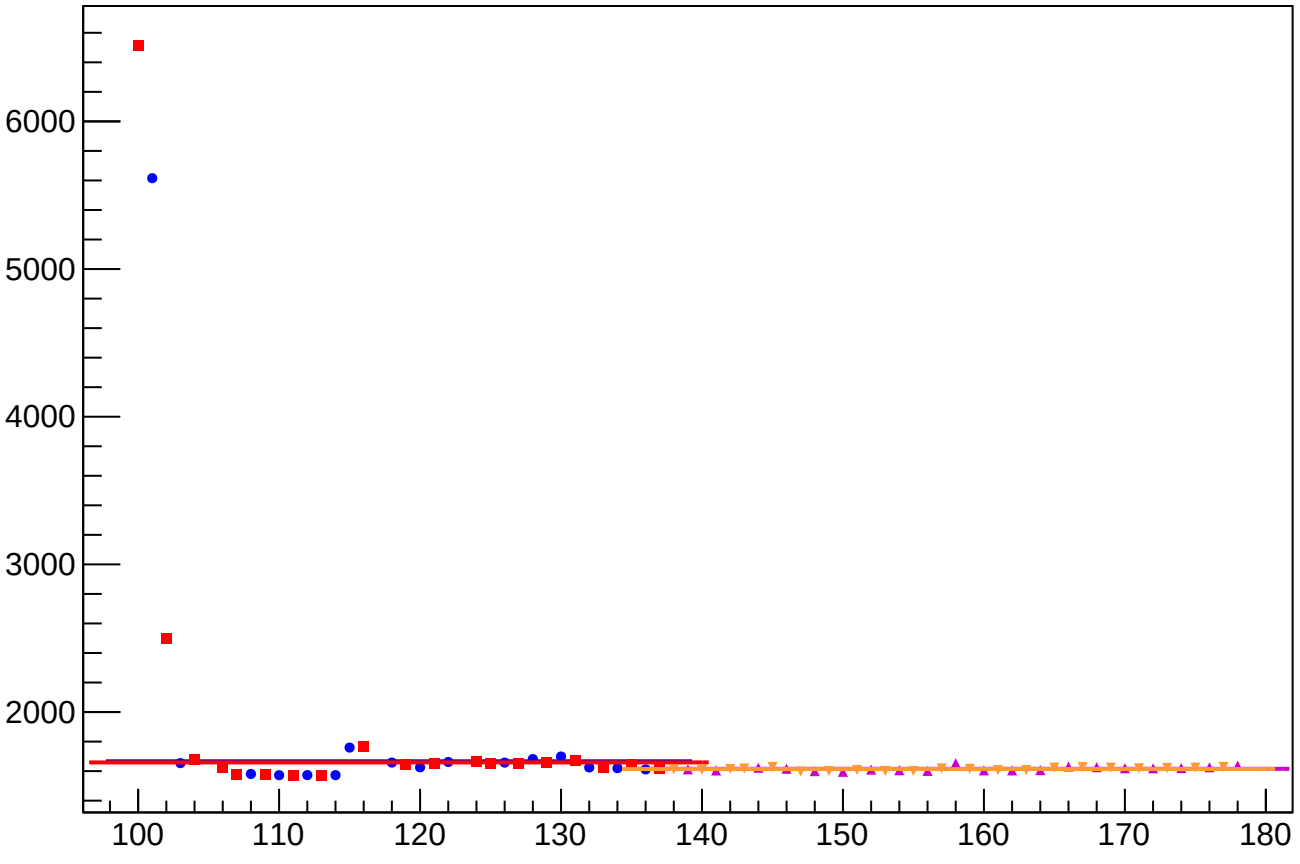
Left: 2310.332+/-280.990 χ^2/NDF: 53.2/40

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2438.916+/-338.042 χ^2/NDF:45.4/35

Out: 2271.435+/-332.862 χ^2/NDF:32.5/39

All: 2353.883+/-237.179 χ^2/NDF: 78.1/75



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: 1615.588+/-0.283 χ^2/NDF:2484.8/19

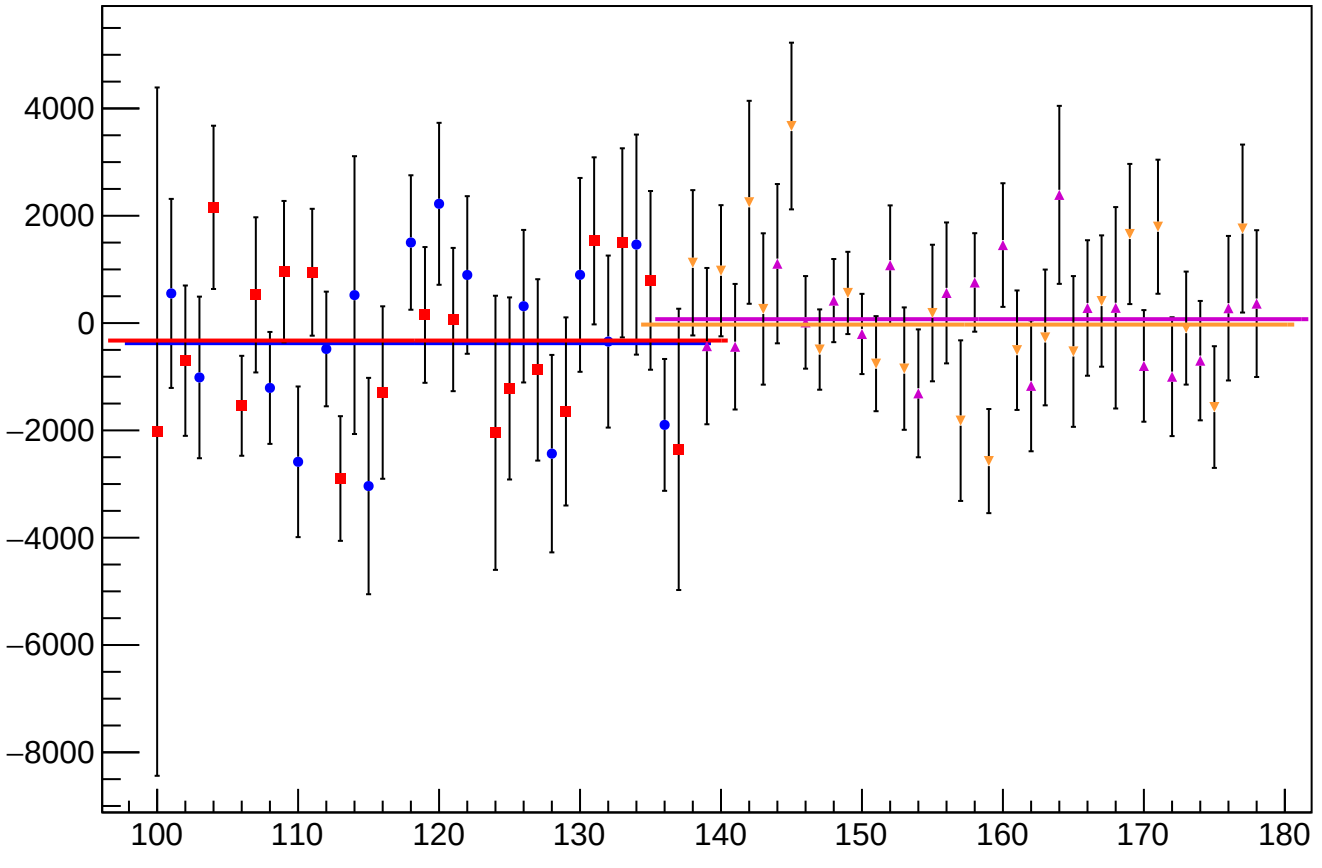
Left: 1614.830+/-0.199 χ^2/NDF: 3683.2/40

Right: 1662.606+/-0.313 χ^2/NDF: 856277.9/34

In: 1630.039+/-0.239 χ^2/NDF:674596.1/35

Out: 1627.139+/-0.235 χ^2/NDF:201914.2/39

All: 1628.567+/-0.168 χ^2/NDF: 876585.0/75



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: 72.569+/-249.516 χ^2/NDF:10.6/19

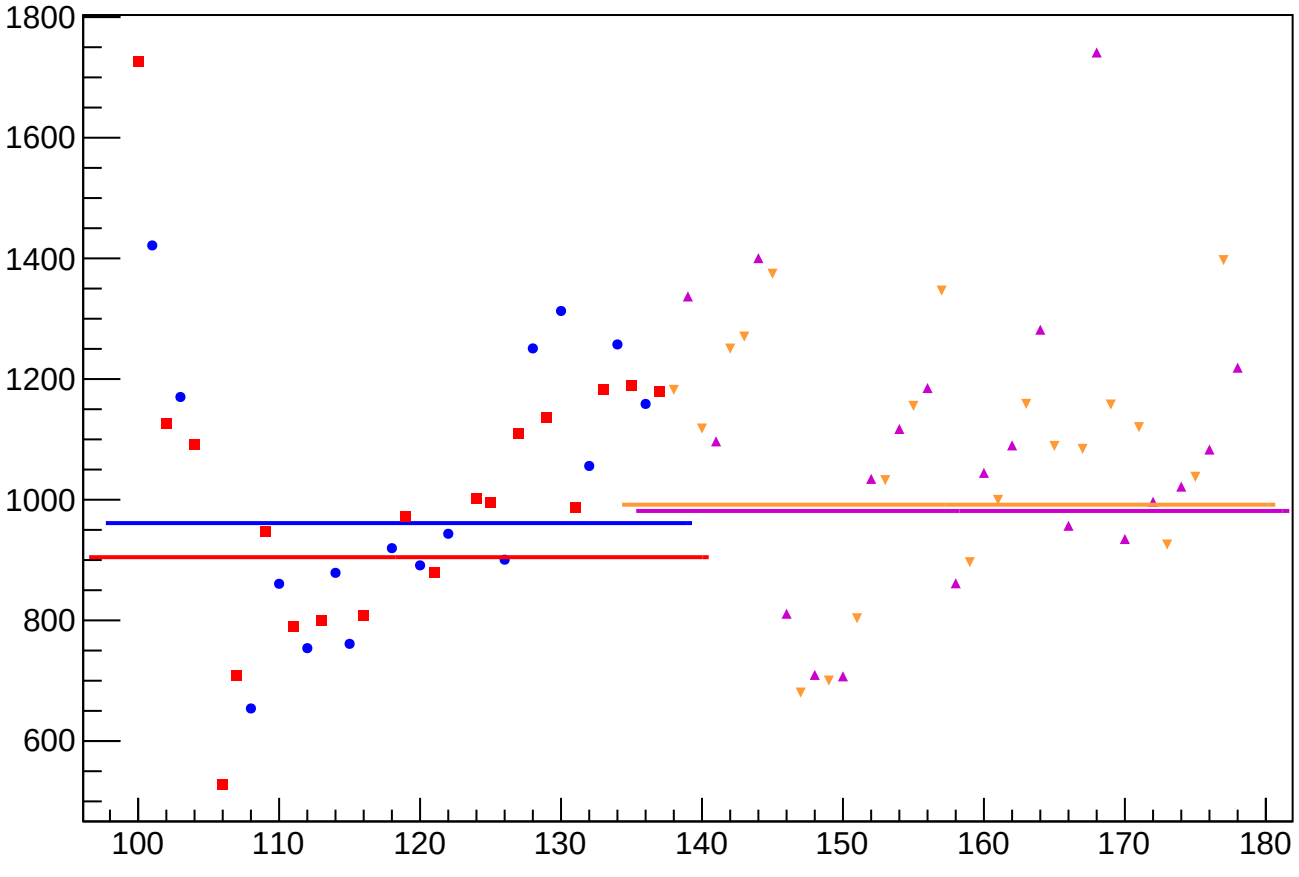
Left: 22.382+/-176.645 χ^2/NDF: 37.2/40

Right: -348.248+/-249.957 χ^2/NDF: 33.1/34

In: -68.289+/-206.510 χ^2/NDF:27.4/35

Out: -132.303+/-201.600 χ^2/NDF:44.4/39

All: -101.066+/-144.257 χ^2/NDF: 71.8/75



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: 981.380+/-0.176 χ^2/NDF:1498312.5/19

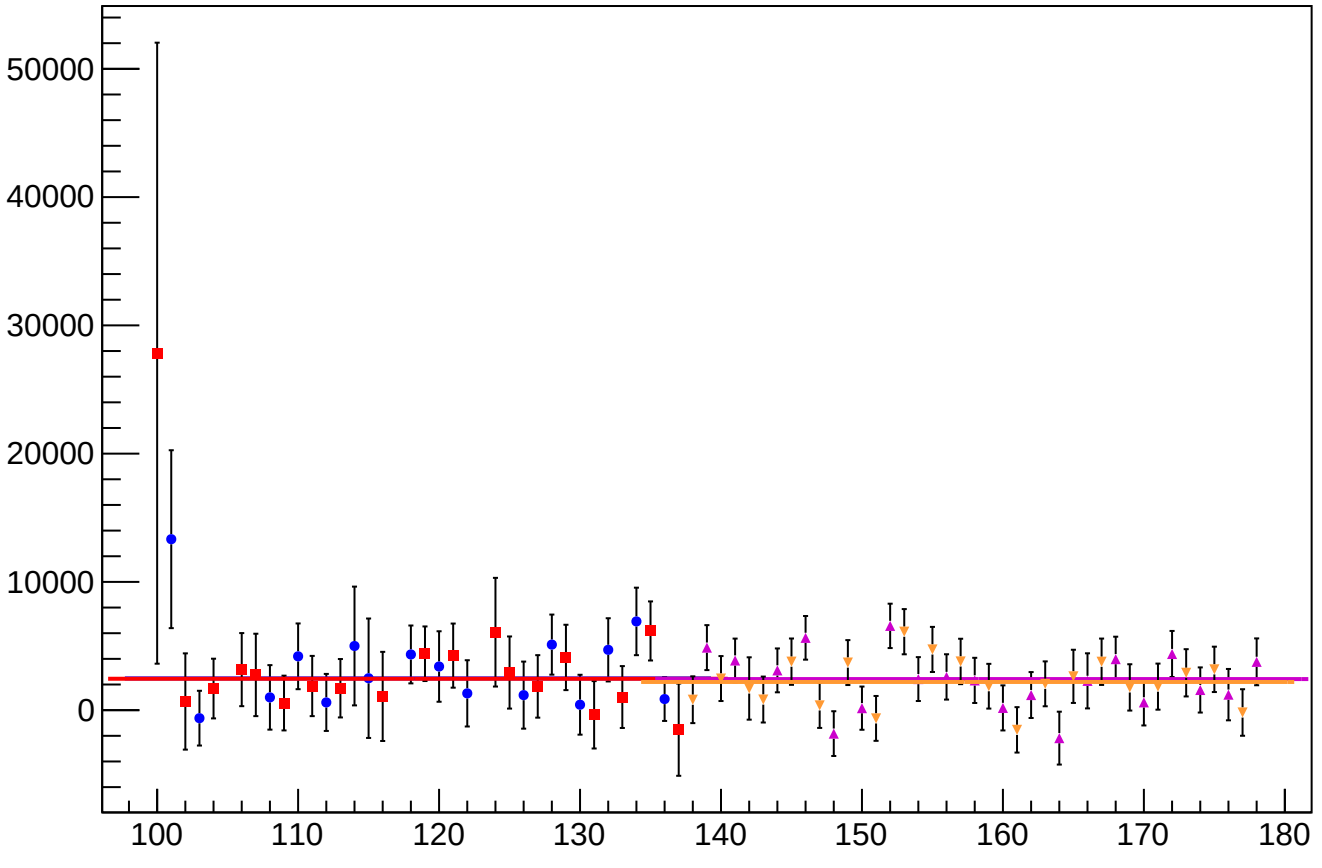
Left: 986.559+/-0.125 χ^2/NDF: 2945958.4/40

Right: 930.814+/-0.177 χ^2/NDF: 1453761.0/34

In: 975.037+/-0.146 χ^2/NDF:2194291.6/35

Out: 961.277+/-0.143 χ^2/NDF:2267223.1/39

All: 967.991+/-0.102 χ^2/NDF: 4466061.1/75



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: 2424.484+/-399.613 χ^2/NDF:31.2/19

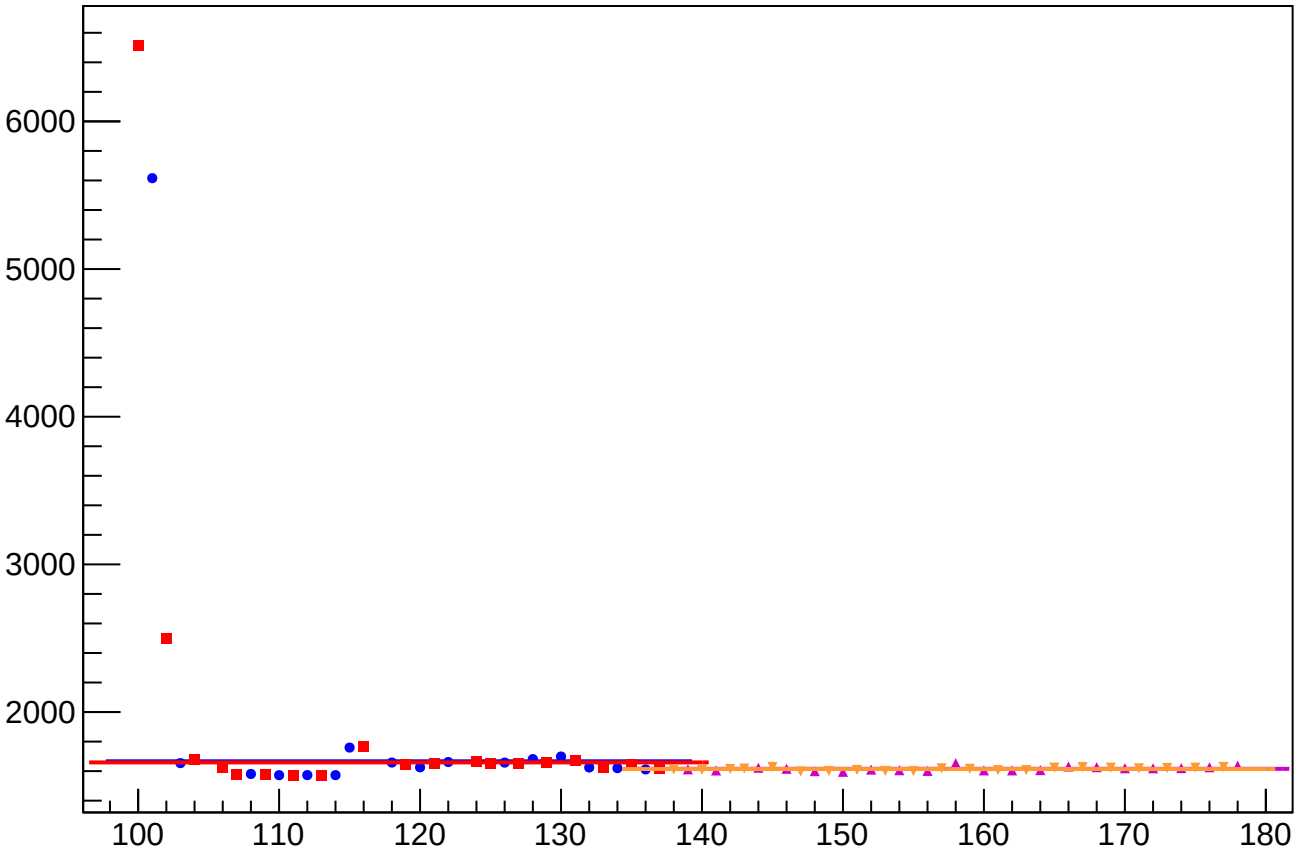
Left: 2310.332+/-280.990 χ^2/NDF: 53.2/40

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2438.916+/-338.042 χ^2/NDF:45.4/35

Out: 2271.435+/-332.862 χ^2/NDF:32.5/39

All: 2353.882+/-237.179 χ^2/NDF: 78.1/75



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: 1615.588+/-0.283 χ^2/NDF:2484.8/19

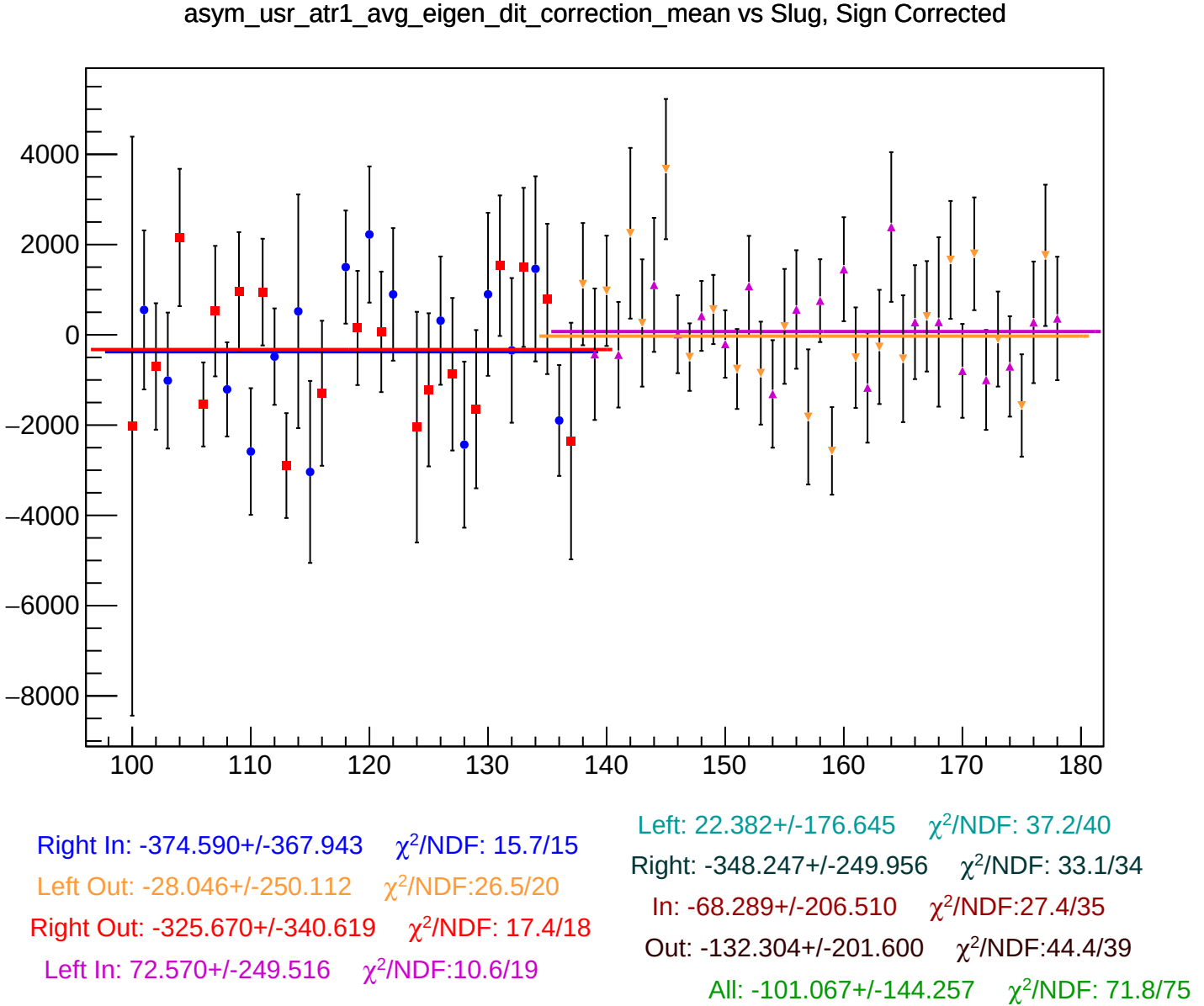
Left: 1614.830+/-0.199 χ^2/NDF: 3683.2/40

Right: 1662.606+/-0.313 χ^2/NDF: 856277.7/34

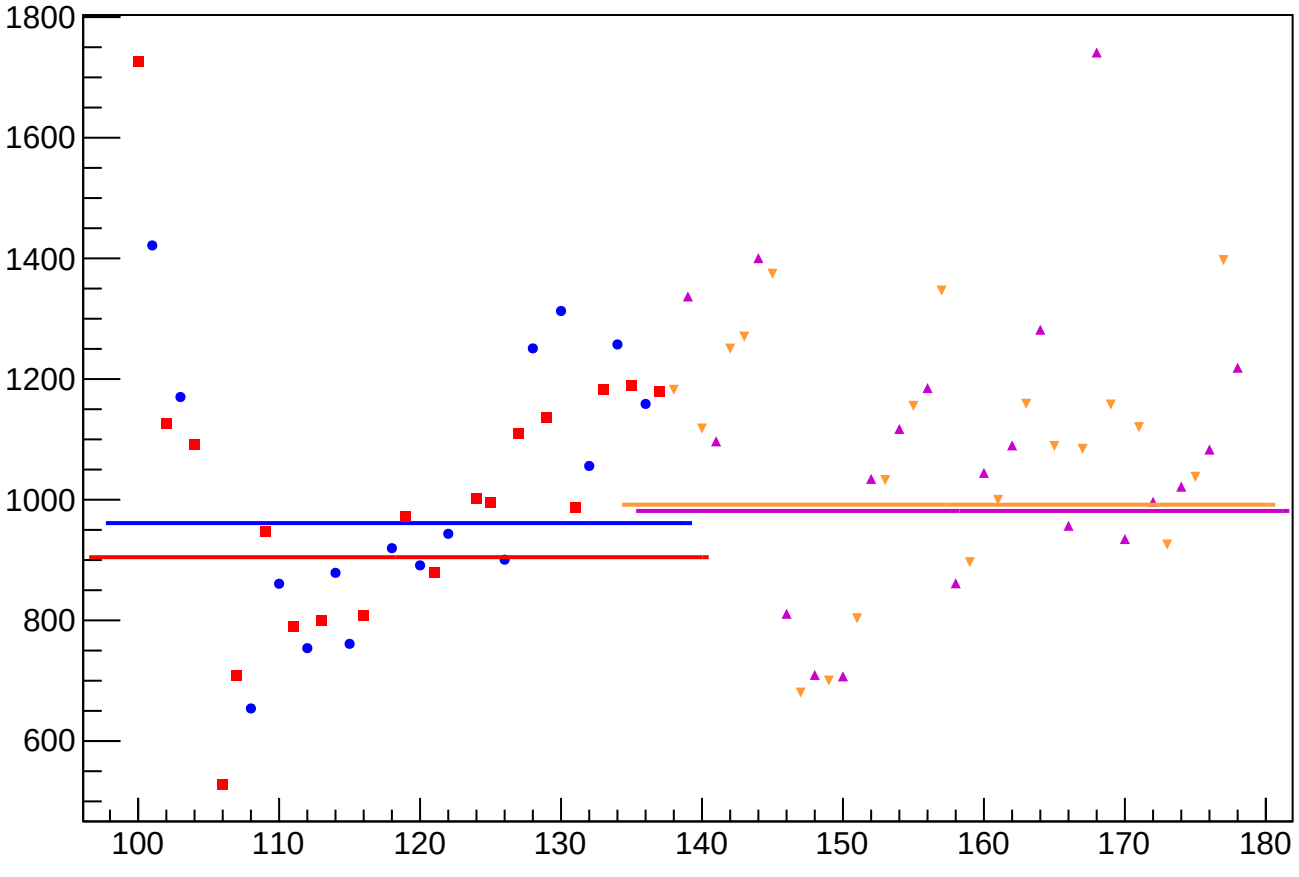
In: 1630.039+/-0.239 χ^2/NDF:674596.0/35

Out: 1627.139+/-0.235 χ^2/NDF:201914.0/39

All: 1628.567+/-0.168 χ^2/NDF: 876584.8/75


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: 72.570+/-249.516 χ²/NDF:10.6/19
Left: 22.382+/-176.645 χ²/NDF: 37.2/40
Right: -348.247+/-249.956 χ²/NDF: 33.1/34
In: -68.289+/-206.510 χ²/NDF:27.4/35
Out: -132.304+/-201.600 χ²/NDF:44.4/39
All: -101.067+/-144.257 χ²/NDF: 71.8/75

asym_usr_atr1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 981.382+/-0.176 χ^2/NDF:1498315.3/19

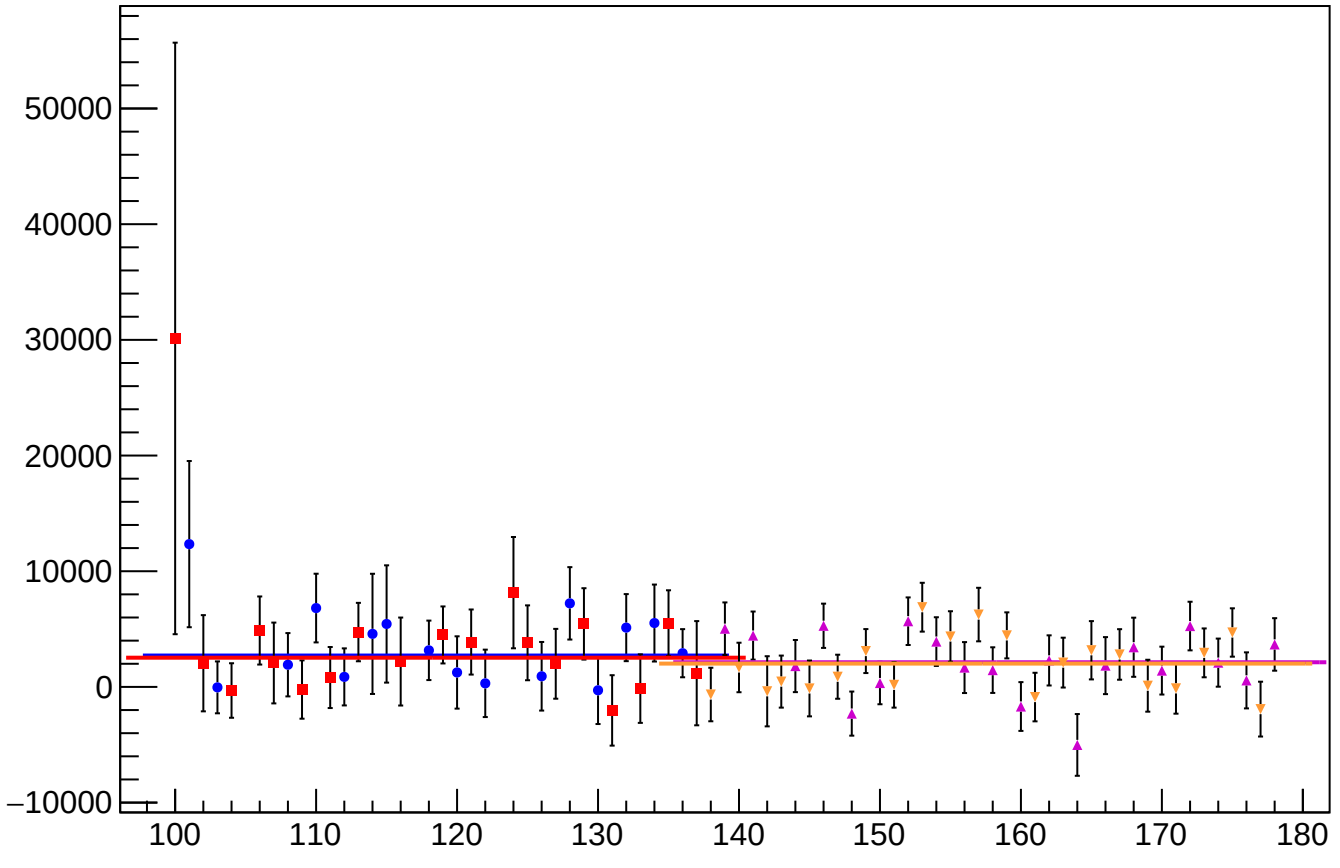
Left: 986.561+/-0.125 χ^2/NDF: 2945963.9/40

Right: 930.811+/-0.177 χ^2/NDF: 1453765.4/34

In: 975.037+/-0.146 χ^2/NDF:2194304.7/35

Out: 961.277+/-0.143 χ^2/NDF:2267232.3/39

All: 967.991+/-0.102 χ^2/NDF: 4466083.5/75



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: 2130.930+/-479.725 χ^2/NDF:29.8/19

Left: 2072.873+/-337.853 χ^2/NDF: 54.5/40

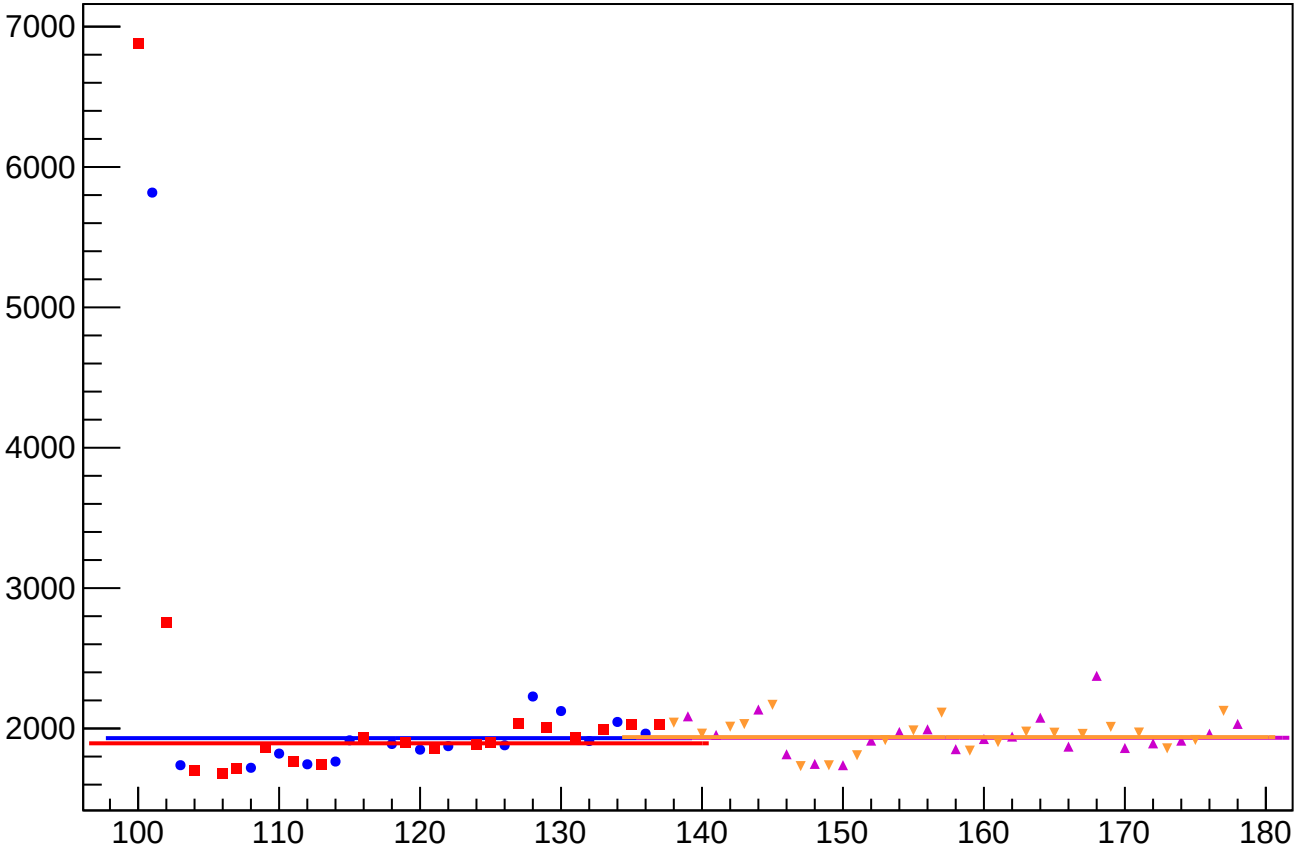
Right: 2614.774+/-509.359 χ^2/NDF: 25.4/34

In: 2304.307+/-401.743 χ^2/NDF:42.4/35

Out: 2174.869+/-394.691 χ^2/NDF:38.3/39

All: 2238.442+/-281.549 χ^2/NDF: 80.7/75

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: 1933.788+/-0.339 χ^2/NDF:154388.9/19

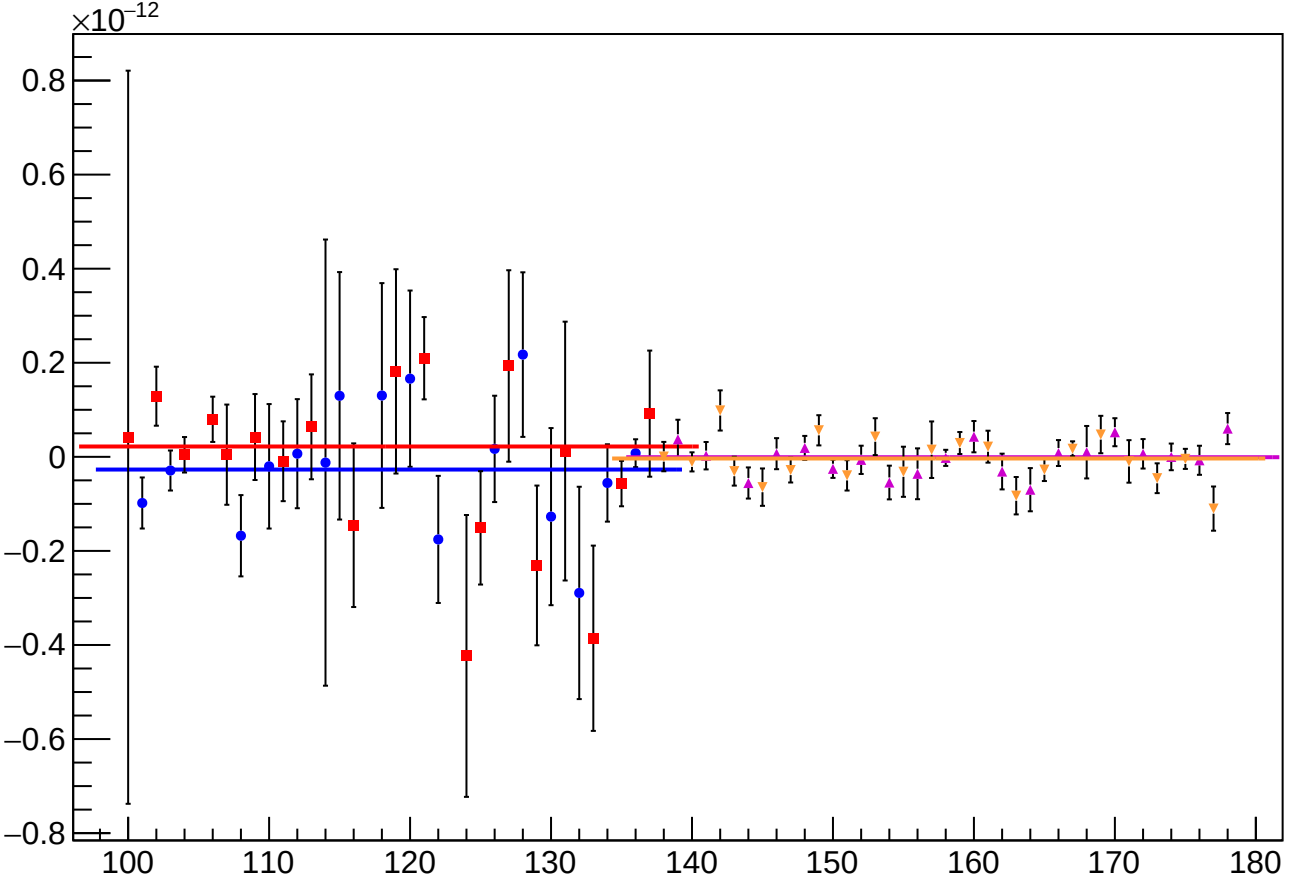
Left: 1936.124+/-0.239 χ^2/NDF: 272976.8/40

Right: 1912.067+/-0.360 χ^2/NDF: 884388.3/34

In: 1933.030+/-0.284 χ^2/NDF:815632.7/35

Out: 1924.665+/-0.279 χ^2/NDF:344389.5/39

All: 1928.773+/-0.199 χ^2/NDF: 1160463.4/75



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:20.0/19

Left: -0.000+/-0.000 χ^2/NDF: 54.2/40

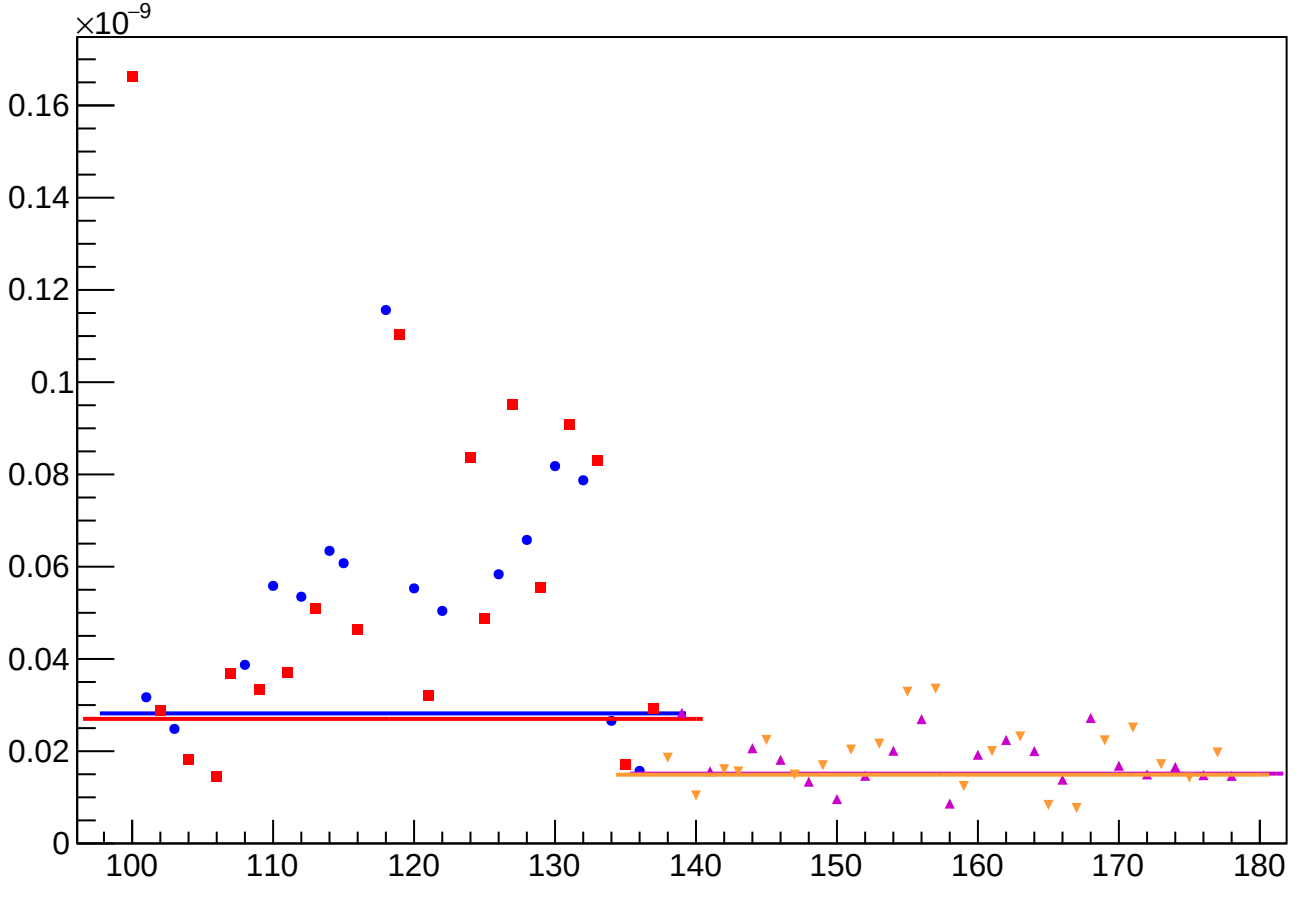
Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: -0.000+/-0.000 χ^2/NDF:34.5/35

Out: -0.000+/-0.000 χ^2/NDF:61.0/39

All: -0.000+/-0.000 χ^2/NDF: 95.6/75

asym_usr_atr1_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1666668.5/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1104545.8/19

Left: 0.000+/-0.000 χ^2/NDF: 2772422.5/40

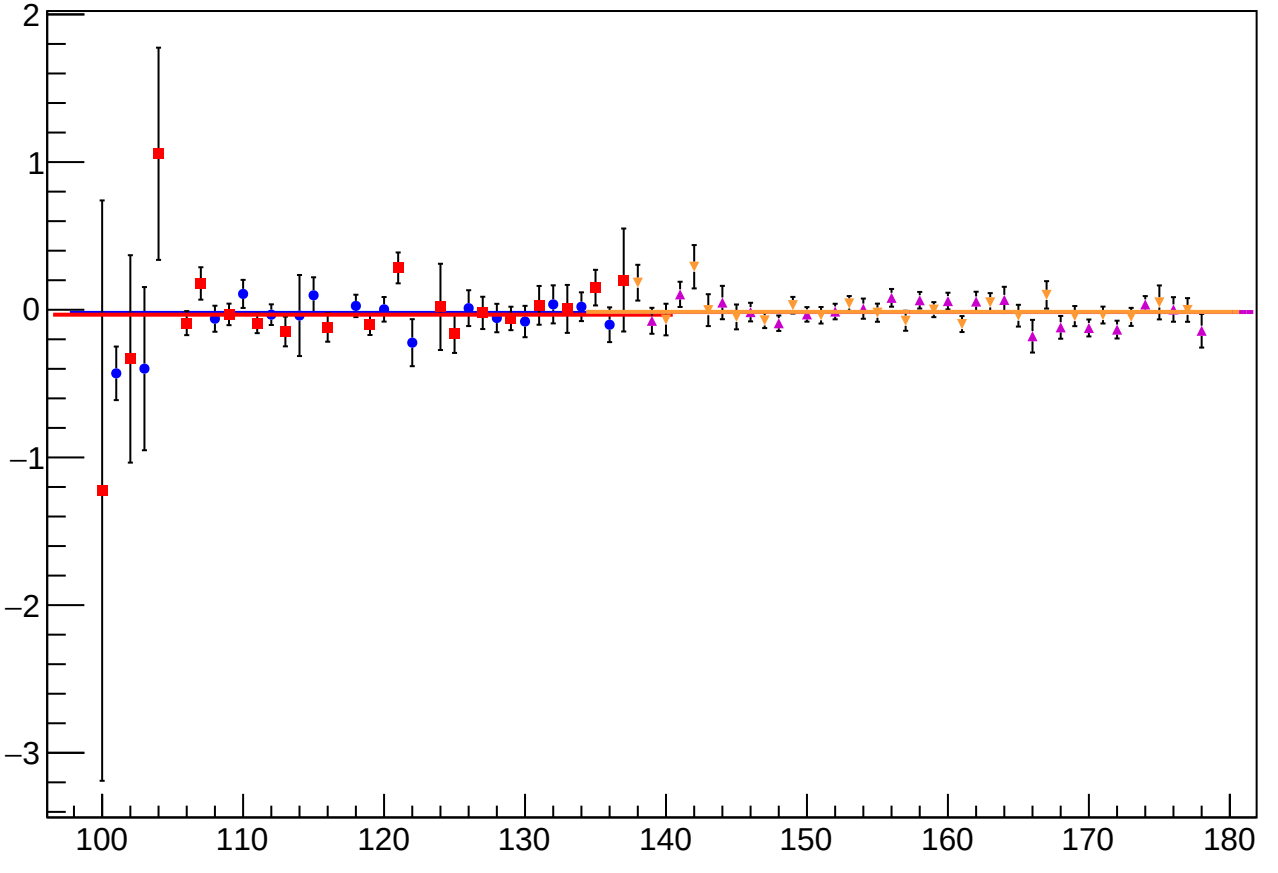
Right: 0.000+/-0.000 χ^2/NDF: 3050538.0/34

In: 0.000+/-0.000 χ^2/NDF:3423630.6/35

Out: 0.000+/-0.000 χ^2/NDF:3925567.5/39

All: 0.000+/-0.000 χ^2/NDF: 7354077.6/75

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.014+/-0.015 χ^2/NDF:17.6/20

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.015+/-0.015 χ^2/NDF:26.9/19

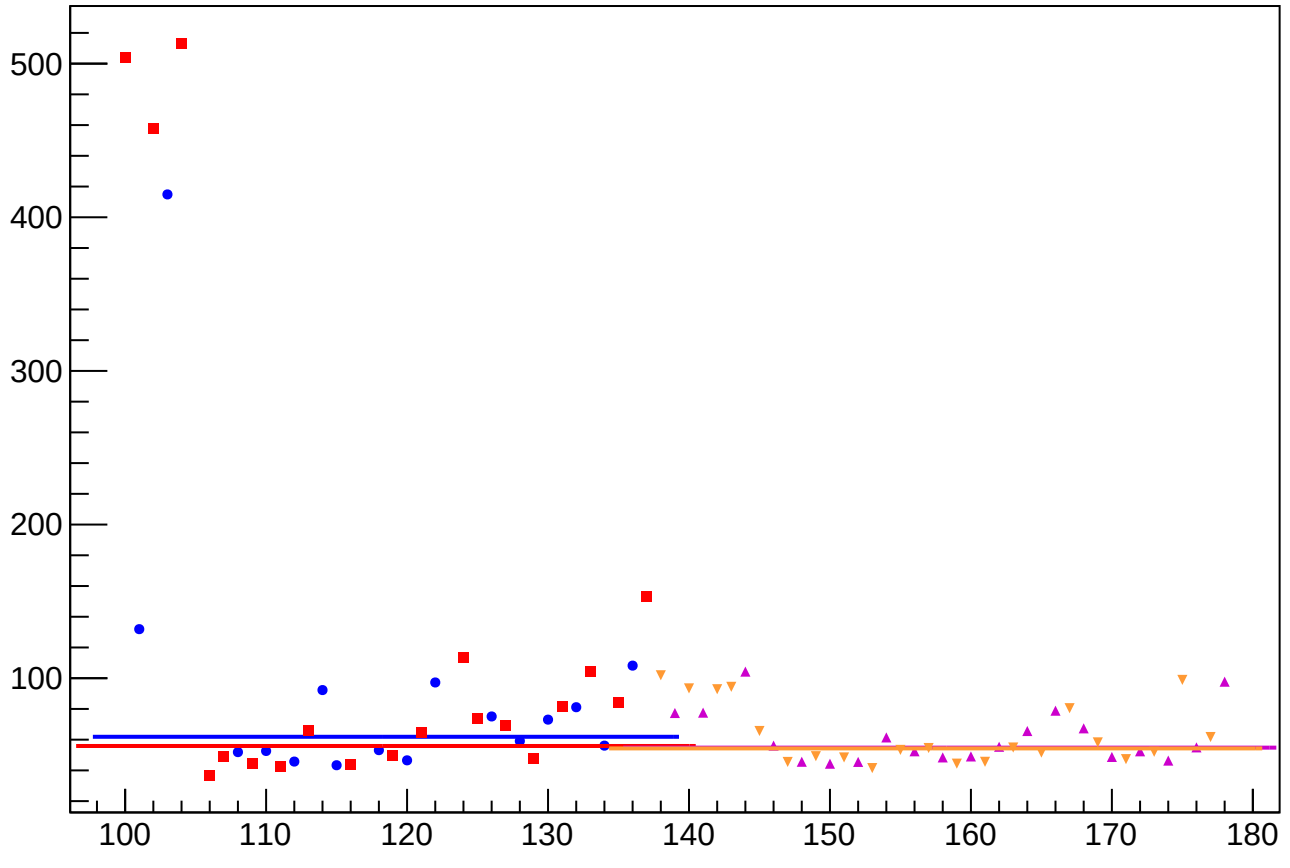
Left: -0.015+/-0.010 χ^2/NDF: 44.5/40

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.017+/-0.013 χ^2/NDF:39.0/35

Out: -0.019+/-0.013 χ^2/NDF:42.5/39

All: -0.018+/-0.009 χ^2/NDF: 81.4/75



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: 54.812+/-0.010 χ^2/NDF:1470532.2/19

Left: 54.560+/-0.007 χ^2/NDF: 3369537.8/40

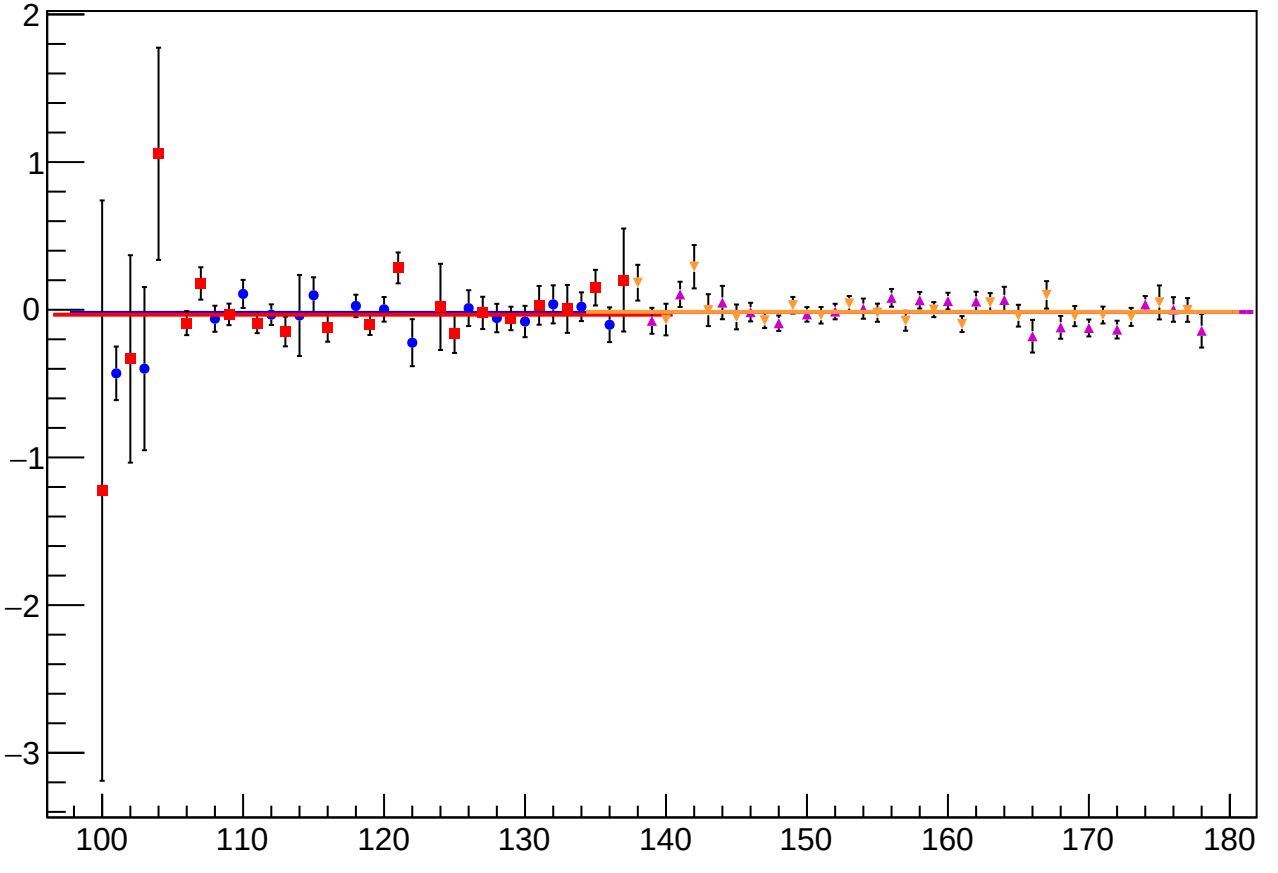
Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 56.484+/-0.009 χ^2/NDF:3516503.5/35

Out: 54.726+/-0.009 χ^2/NDF:4495182.8/39

All: 55.585+/-0.006 χ^2/NDF: 8030614.7/75

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.014+/-0.015 χ^2/NDF:17.6/20

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.015+/-0.015 χ^2/NDF:26.9/19

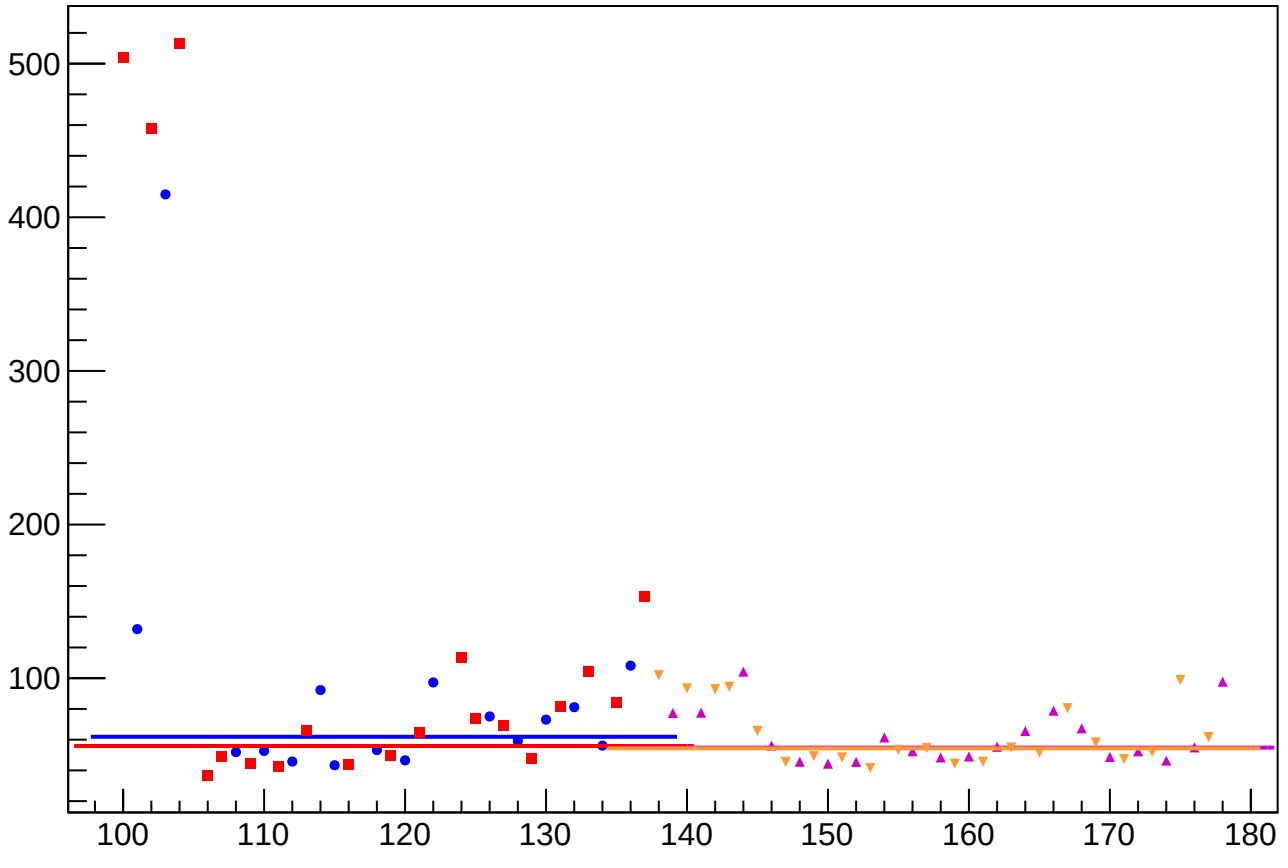
Left: -0.015+/-0.010 χ^2/NDF: 44.5/40

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.017+/-0.013 χ^2/NDF:39.0/35

Out: -0.019+/-0.013 χ^2/NDF:42.5/39

All: -0.018+/-0.009 χ^2/NDF: 81.4/75



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: 54.812+/-0.010 χ^2/NDF:1470532.2/19

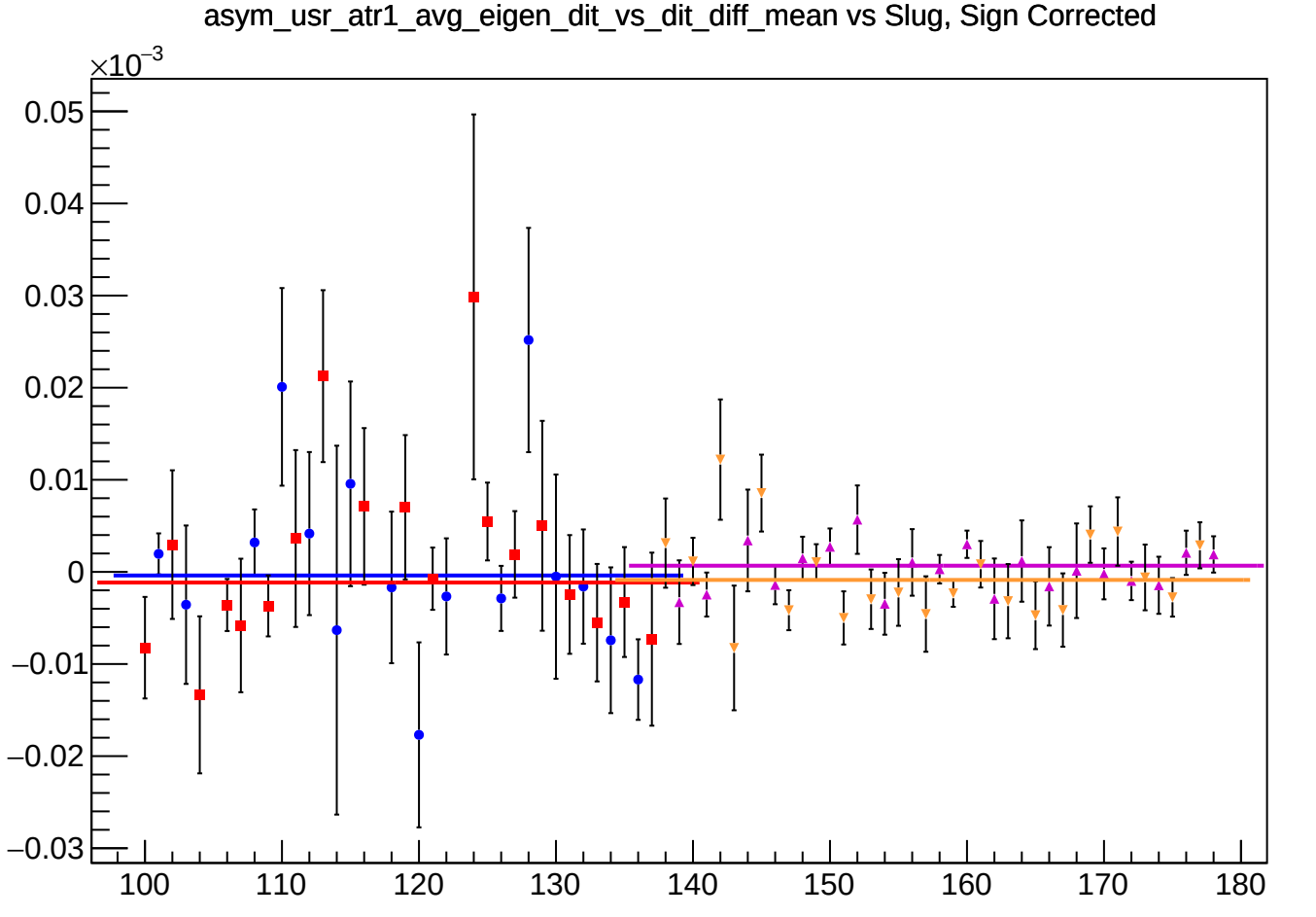
Left: 54.560+/-0.007 χ^2/NDF: 3369537.8/40

Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 56.484+/-0.009 χ^2/NDF:3516503.5/35

Out: 54.726+/-0.009 χ^2/NDF:4495182.8/39

All: 55.585+/-0.006 χ^2/NDF: 8030614.7/75



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:13.7/19

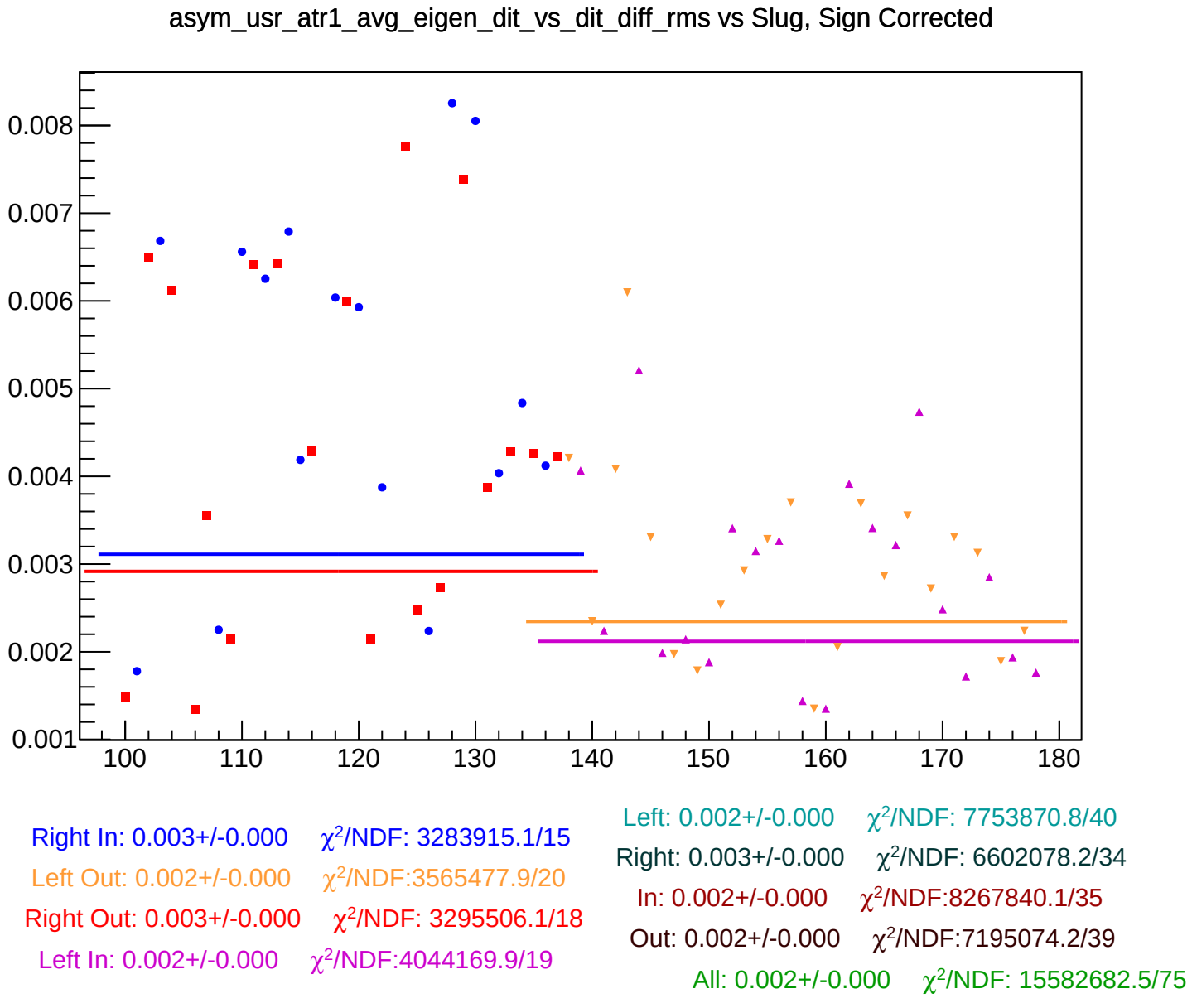
Left: -0.000+/-0.000 χ^2/NDF: 46.5/40

Right: -0.000+/-0.000 χ^2/NDF: 43.2/34

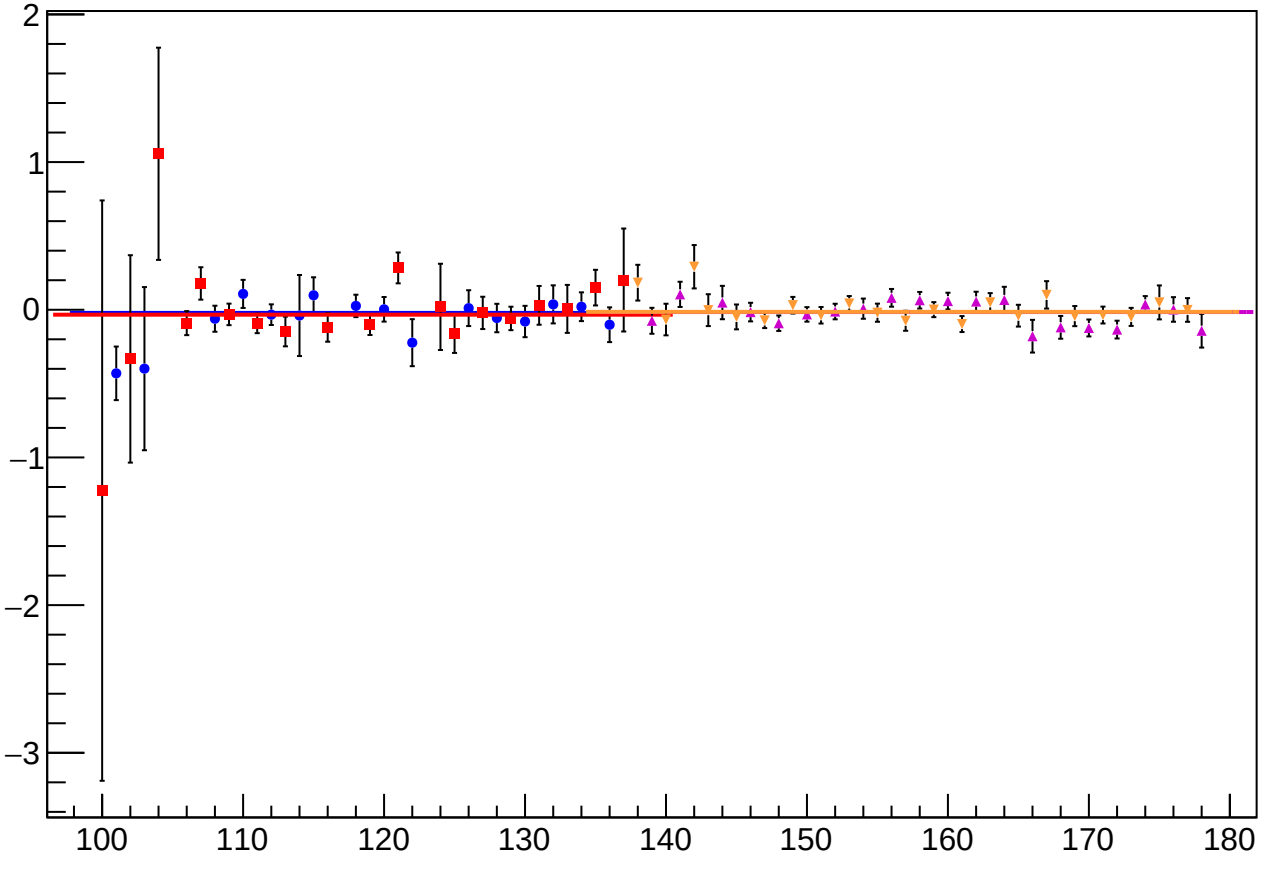
In: 0.000+/-0.000 χ^2/NDF:36.8/35

Out: -0.000+/-0.000 χ^2/NDF:49.9/39

All: -0.000+/-0.000 χ^2/NDF: 90.3/75


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:4044169.9/19
Left: 0.002+/-0.000 χ²/NDF: 7753870.8/40
Right: 0.003+/-0.000 χ²/NDF: 6602078.2/34
In: 0.002+/-0.000 χ²/NDF:8267840.1/35
Out: 0.002+/-0.000 χ²/NDF:7195074.2/39
All: 0.002+/-0.000 χ²/NDF: 15582682.5/75

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.014+/-0.015 χ^2/NDF:17.6/20

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.015+/-0.015 χ^2/NDF:26.9/19

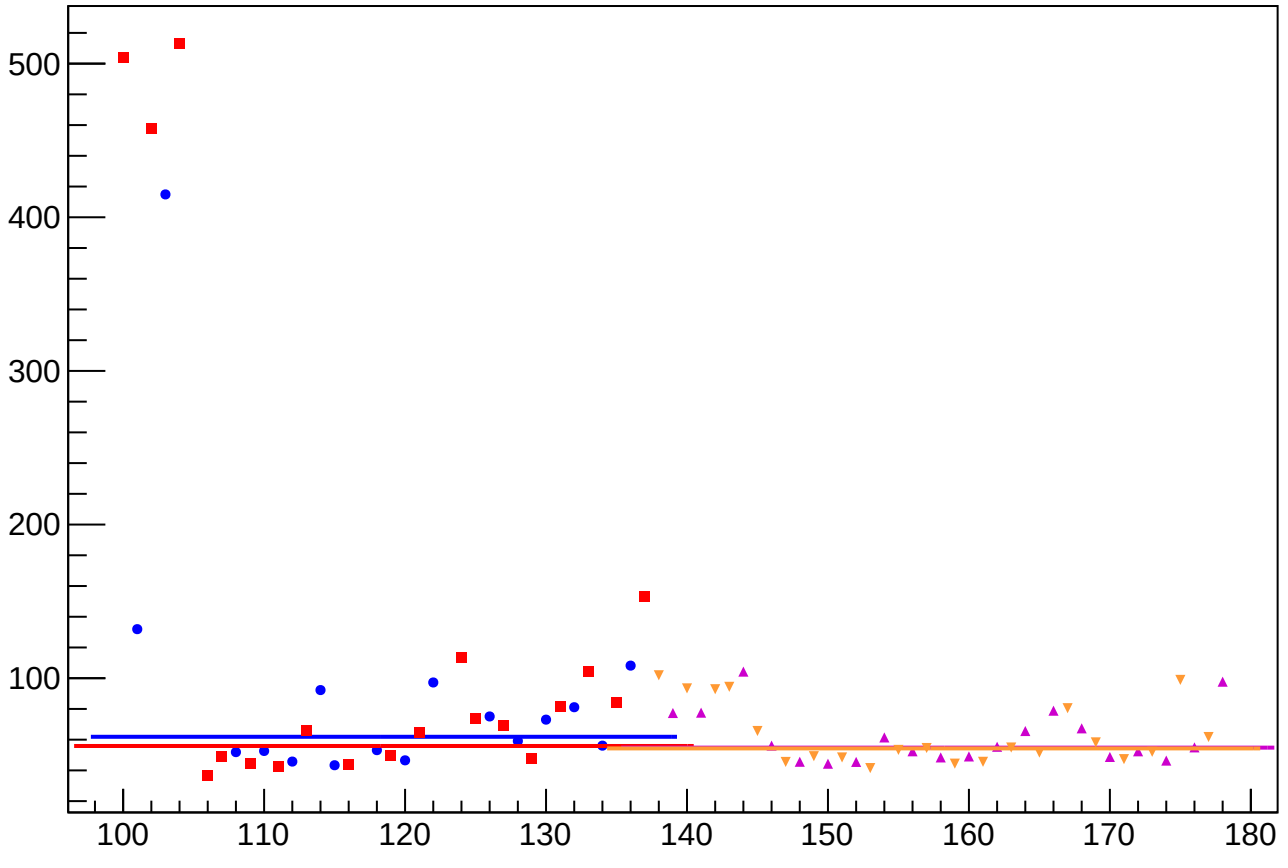
Left: -0.015+/-0.010 χ^2/NDF: 44.5/40

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.017+/-0.013 χ^2/NDF:39.0/35

Out: -0.019+/-0.013 χ^2/NDF:42.5/39

All: -0.018+/-0.009 χ^2/NDF: 81.4/75



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: 54.812+/-0.010 χ^2/NDF:1470530.3/19

Left: 54.560+/-0.007 χ^2/NDF: 3369594.0/40

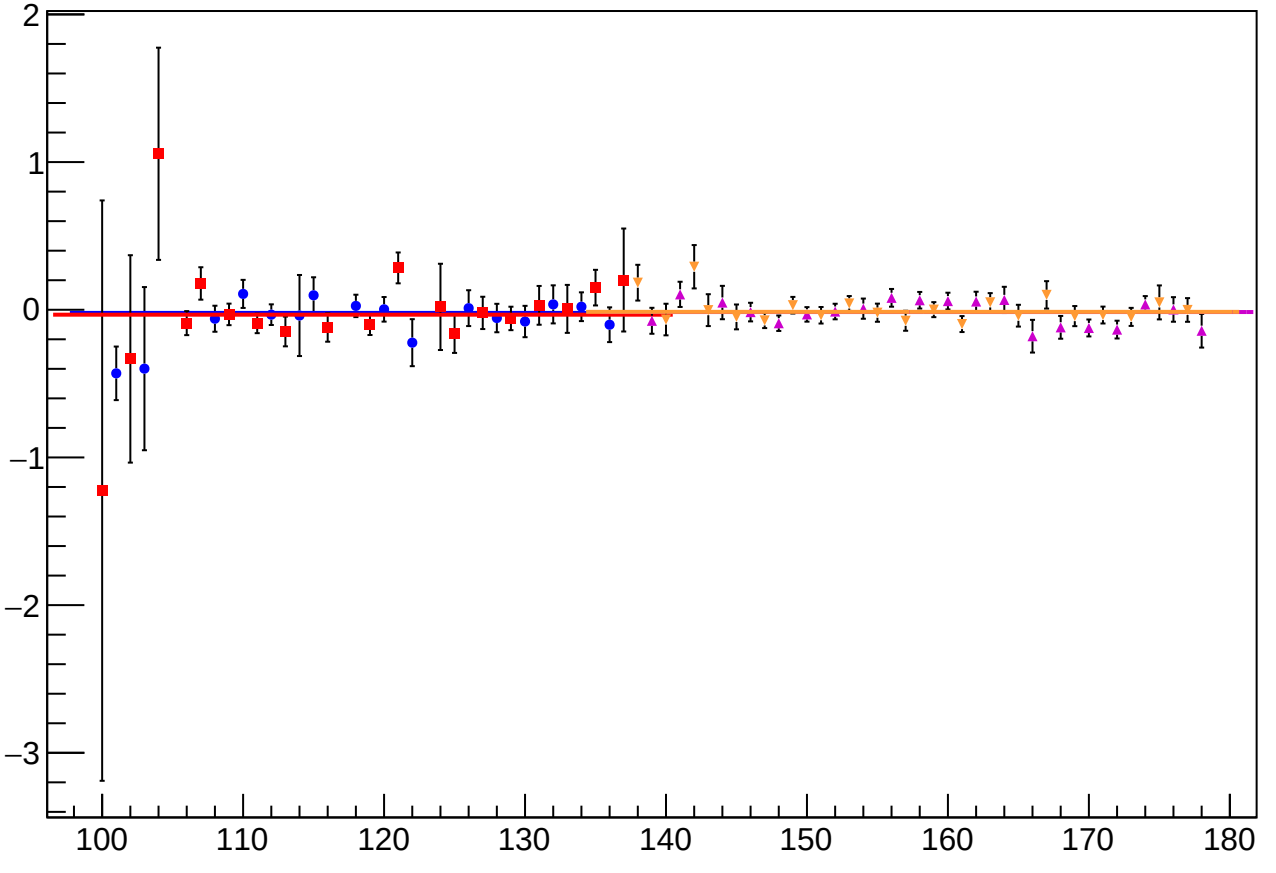
Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 56.484+/-0.009 χ^2/NDF:3516429.1/35

Out: 54.726+/-0.009 χ^2/NDF:4495191.6/39

All: 55.585+/-0.006 χ^2/NDF: 8030550.3/75

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: -0.015+/-0.015 χ^2/NDF:26.9/19

Left: -0.015+/-0.010 χ^2/NDF: 44.5/40

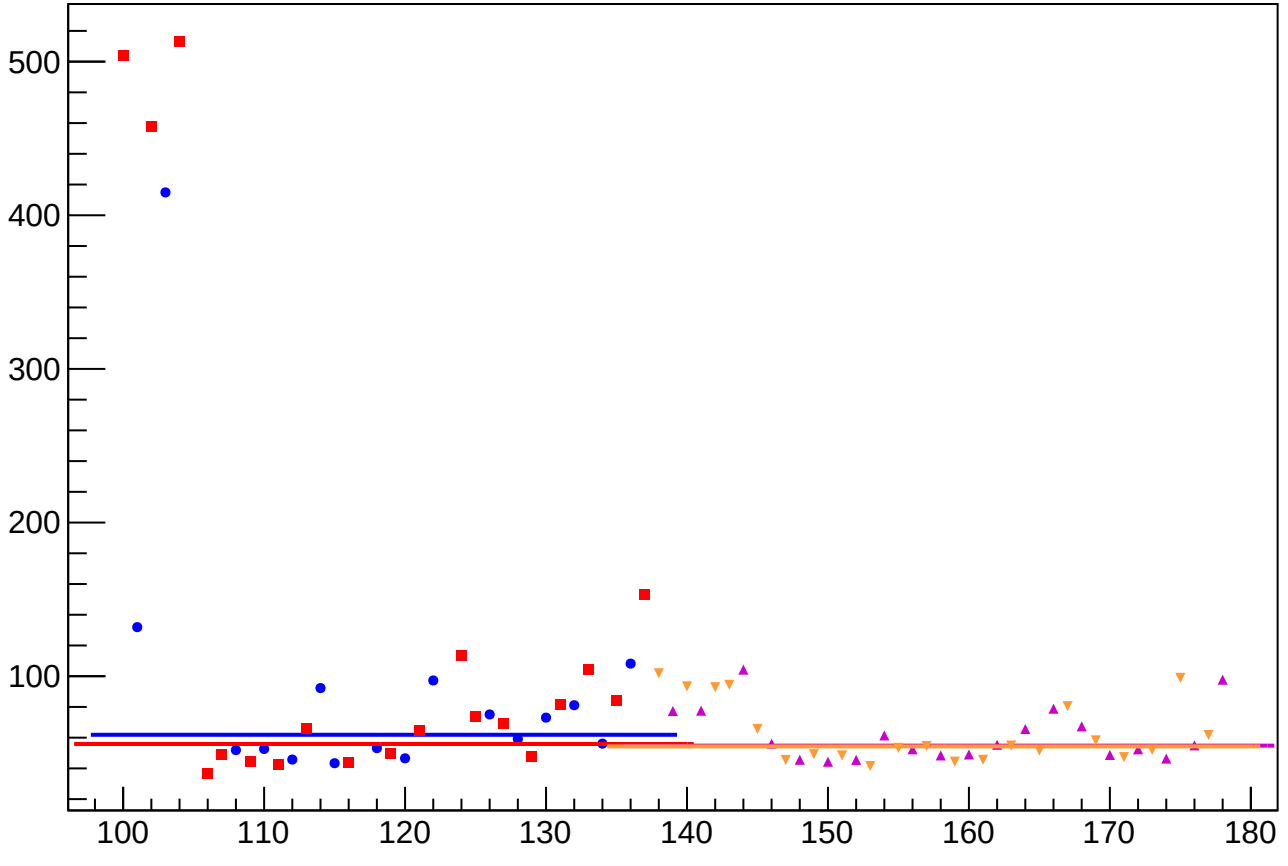
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.017+/-0.013 χ^2/NDF:39.0/35

Out: -0.019+/-0.013 χ^2/NDF:42.5/39

All: -0.018+/-0.009 χ^2/NDF: 81.4/75

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: 54.812+/-0.010 χ^2/NDF:1470530.3/19

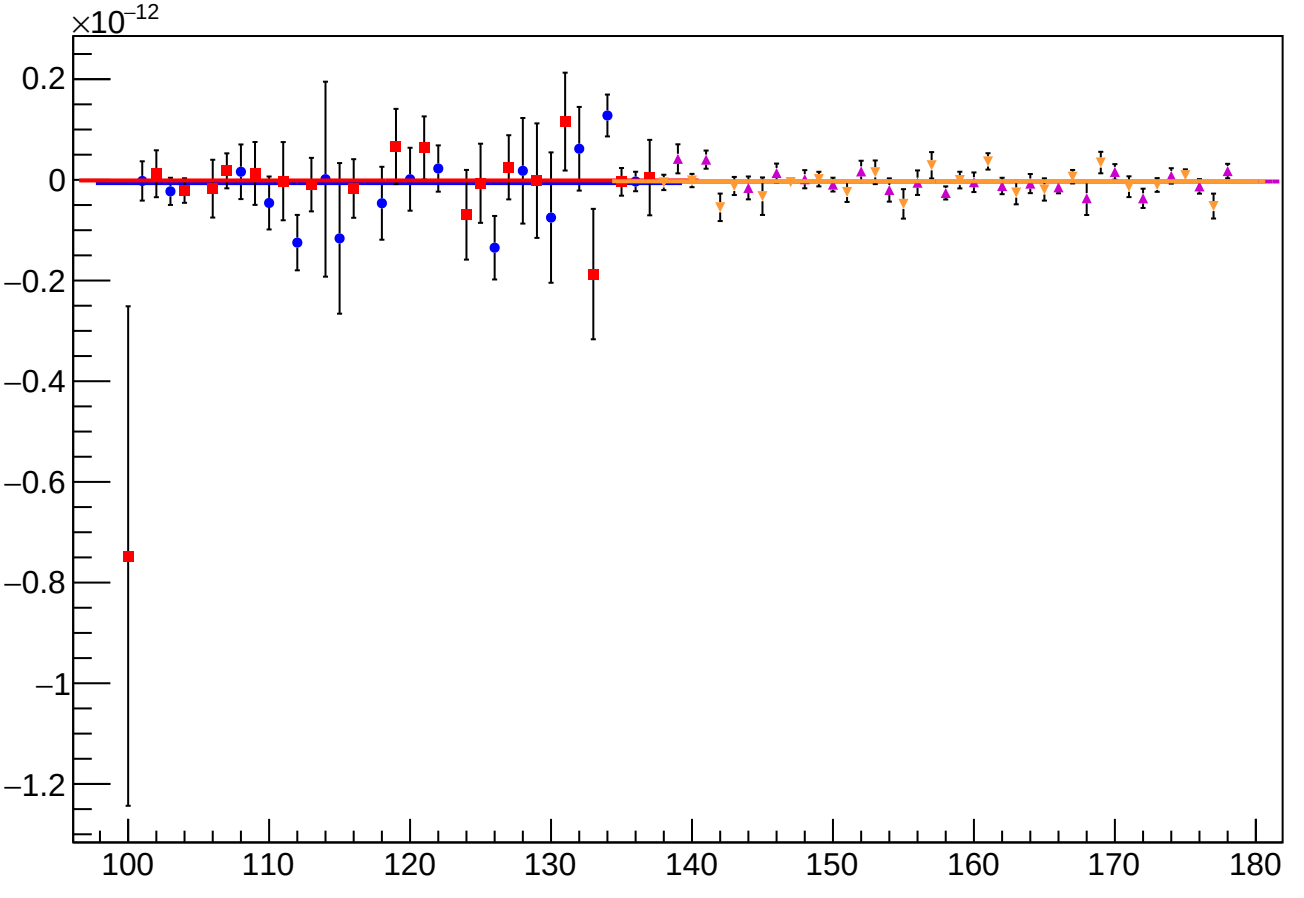
Left: 54.560+/-0.007 χ^2/NDF: 3369594.0/40

Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 56.484+/-0.009 χ^2/NDF:3516429.1/35

Out: 54.726+/-0.009 χ^2/NDF:4495191.6/39

All: 55.585+/-0.006 χ^2/NDF: 8030550.3/75



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:24.0/19

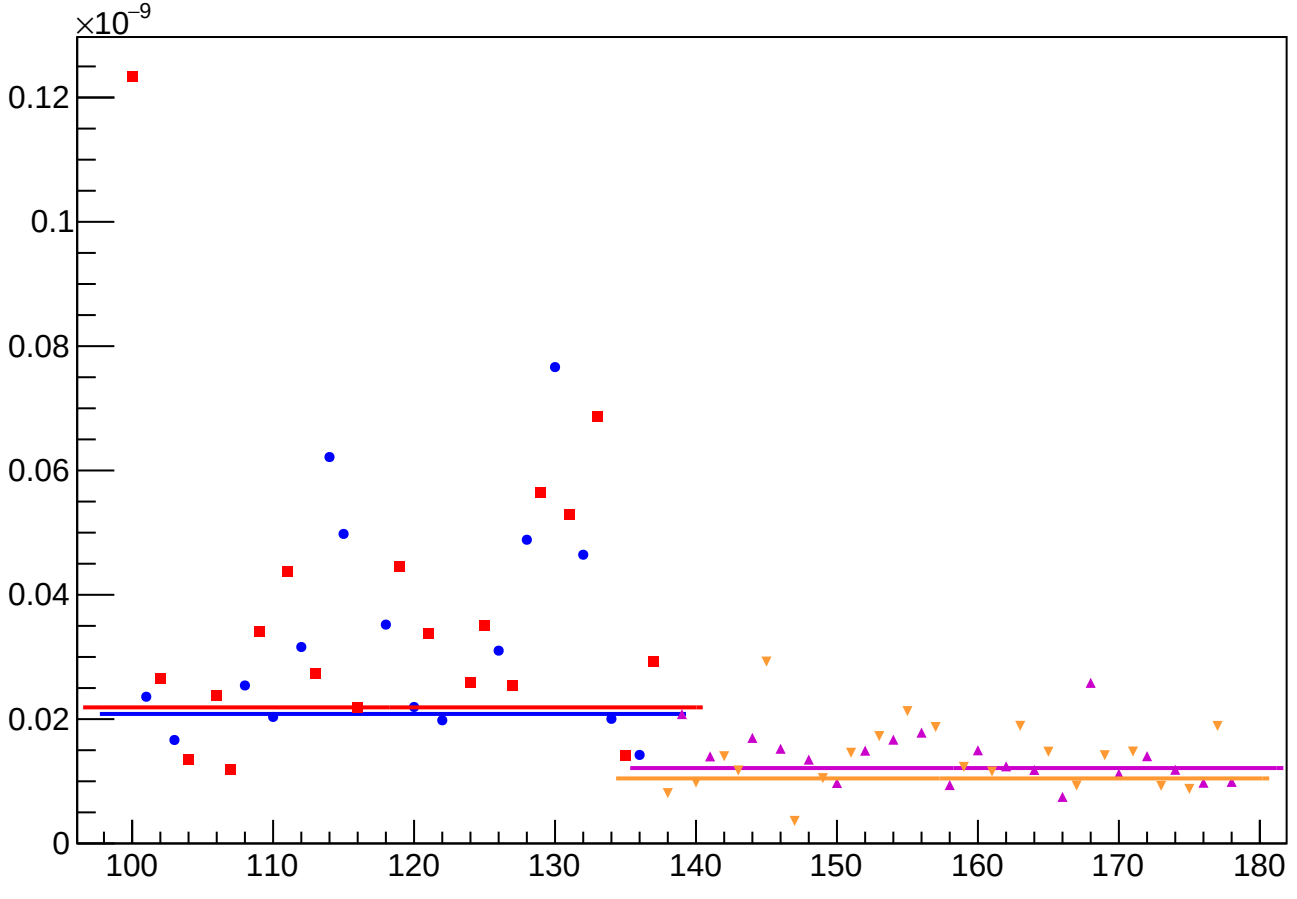
Left: -0.000+/-0.000 χ^2/NDF: 50.6/40

Right: -0.000+/-0.000 χ^2/NDF: 32.4/34

In: -0.000+/-0.000 χ^2/NDF:46.6/35

Out: -0.000+/-0.000 χ^2/NDF:36.4/39

All: -0.000+/-0.000 χ^2/NDF: 83.1/75



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:1540822.3/19

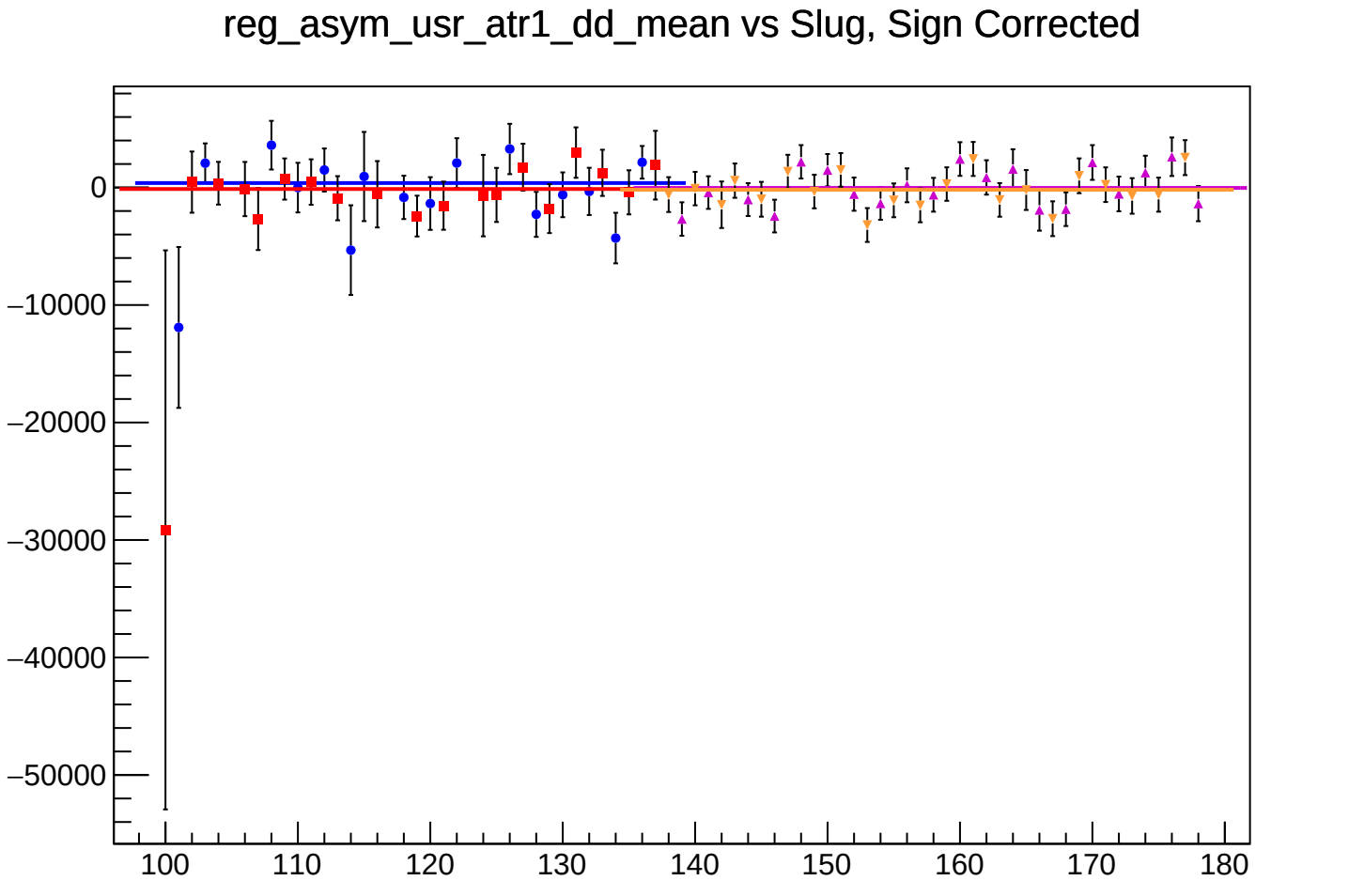
Left: 0.000+/-0.000 χ^2/NDF: 5241242.5/40

Right: 0.000+/-0.000 χ^2/NDF: 3299556.5/34

In: 0.000+/-0.000 χ^2/NDF:3990292.4/35

Out: 0.000+/-0.000 χ^2/NDF:7097989.9/39

All: 0.000+/-0.000 χ^2/NDF: 11296424.1/75



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: -35.534+/-326.708 χ^2/NDF:25.3/19

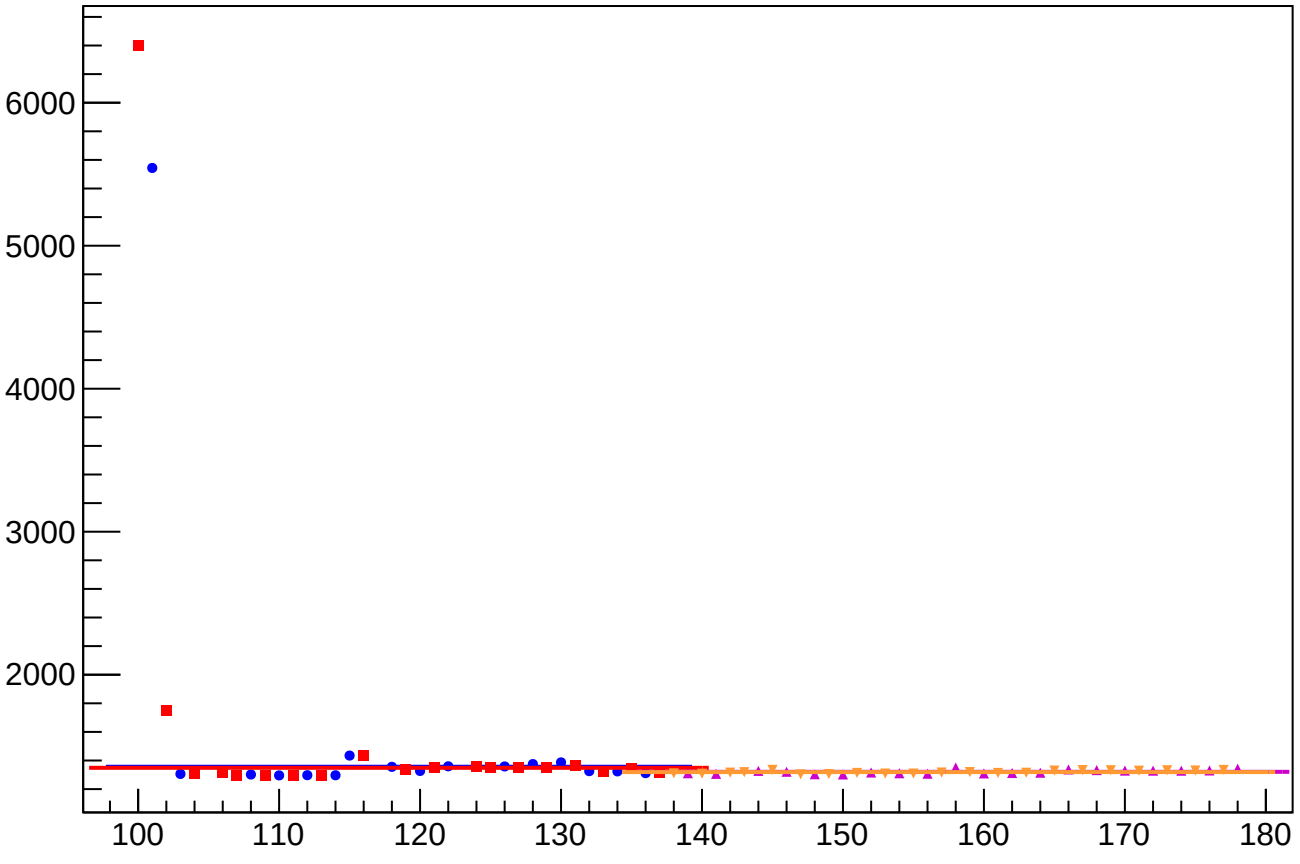
Left: -113.999+/-229.679 χ^2/NDF: 45.5/40

Right: 118.340+/-360.045 χ^2/NDF: 32.0/34

In: 83.190+/-276.304 χ^2/NDF:47.3/35

Out: -172.253+/-271.444 χ^2/NDF:30.1/39

All: -46.798+/-193.635 χ^2/NDF: 77.8/75



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: 1320.835+/-0.231 χ^2/NDF:3396.8/19

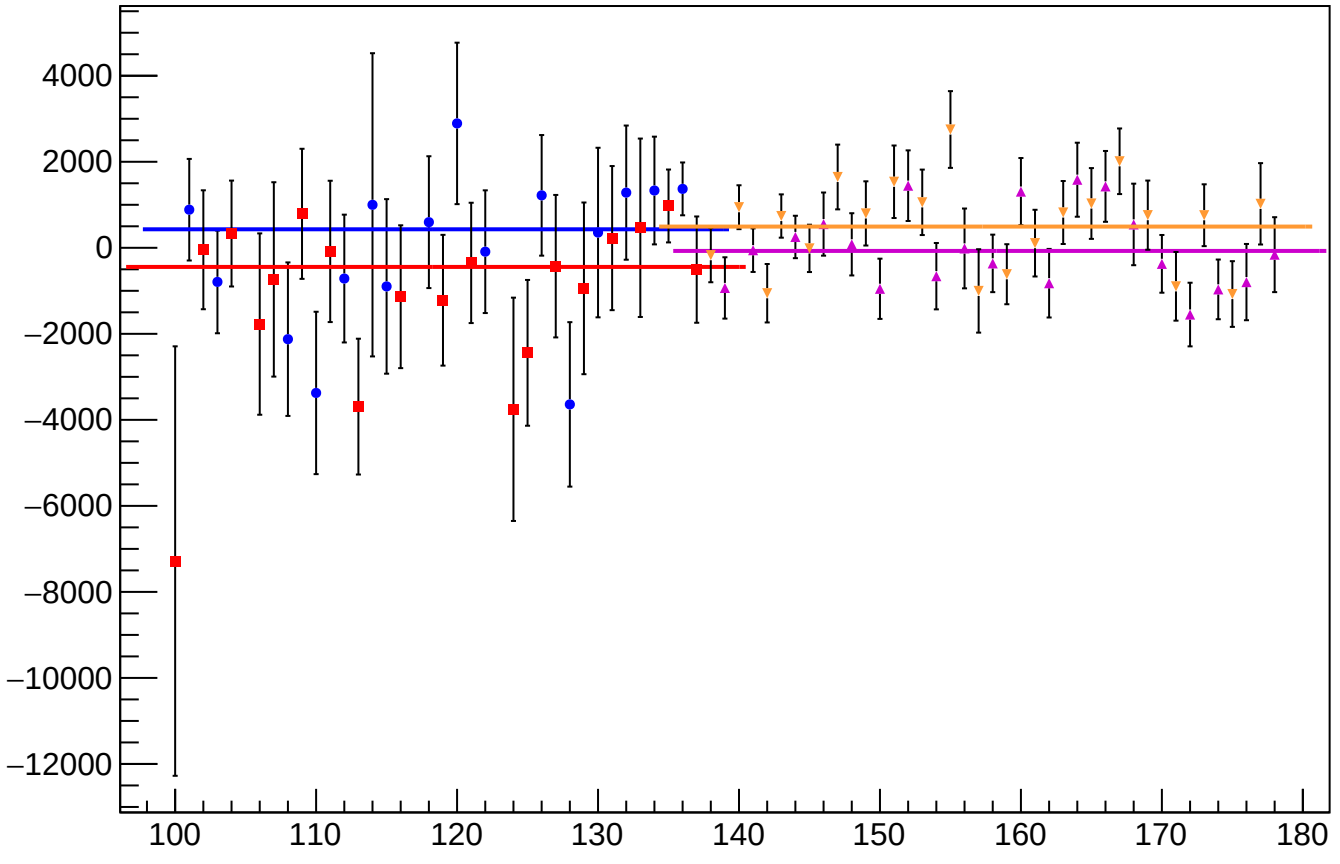
Left: 1319.944+/-0.162 χ^2/NDF: 5543.9/40

Right: 1352.564+/-0.255 χ^2/NDF: 907744.1/34

In: 1330.961+/-0.195 χ^2/NDF:770411.0/35

Out: 1327.852+/-0.192 χ^2/NDF:154416.0/39

All: 1329.379+/-0.137 χ^2/NDF: 924955.8/75



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 493.484+/-155.313 χ^2/NDF:36.7/20

Right Out: -444.555+/-355.594 χ^2/NDF: 14.4/18

Left In: -72.605+/-161.758 χ^2/NDF:26.4/19

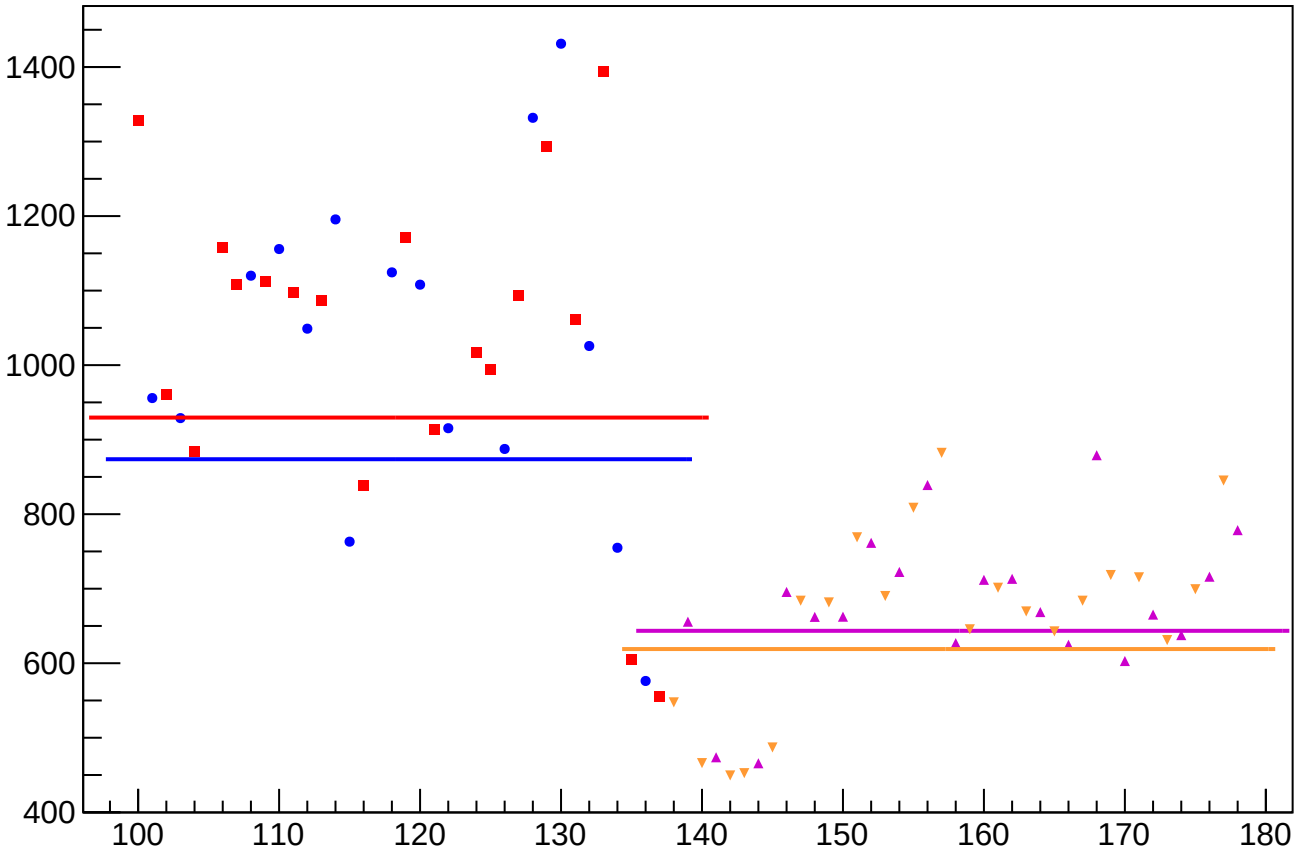
Left: 221.943+/-112.032 χ^2/NDF: 69.5/40

Right: 14.491+/-245.161 χ^2/NDF: 35.8/34

In: 20.918+/-145.947 χ^2/NDF:46.4/35

Out: 343.205+/-142.329 χ^2/NDF:56.9/39

All: 186.105+/-101.897 χ^2/NDF: 105.9/75



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: 643.478+/-0.114 χ^2/NDF:878325.3/19

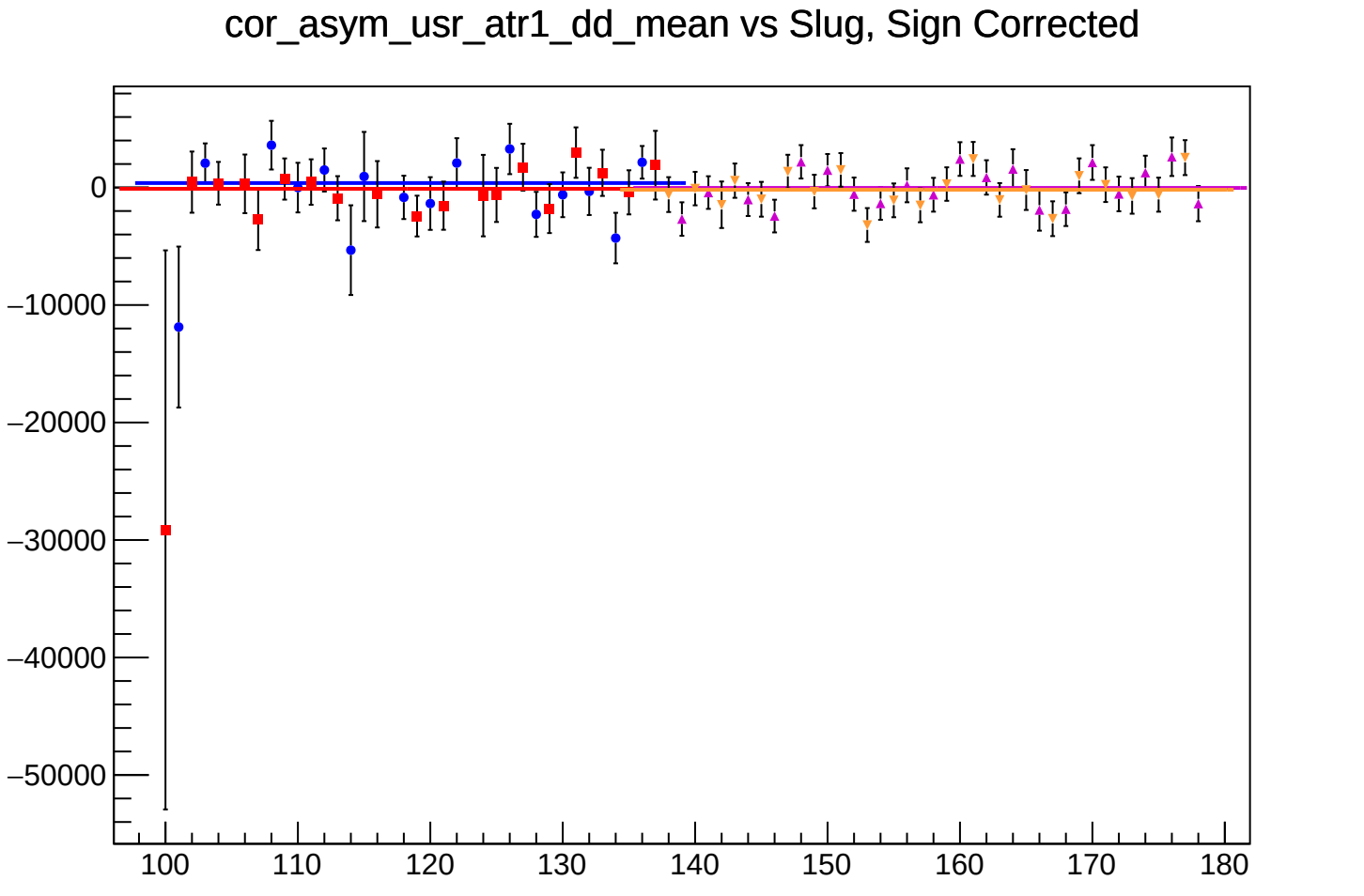
Left: 630.753+/-0.079 χ^2/NDF: 2161828.3/40

Right: 900.305+/-0.173 χ^2/NDF: 1900732.3/34

In: 686.292+/-0.103 χ^2/NDF:2646698.3/35

Out: 668.784+/-0.101 χ^2/NDF:3401205.4/39

All: 677.318+/-0.072 χ^2/NDF: 6062654.3/75



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: -35.587+/-326.708 χ^2/NDF:25.3/19

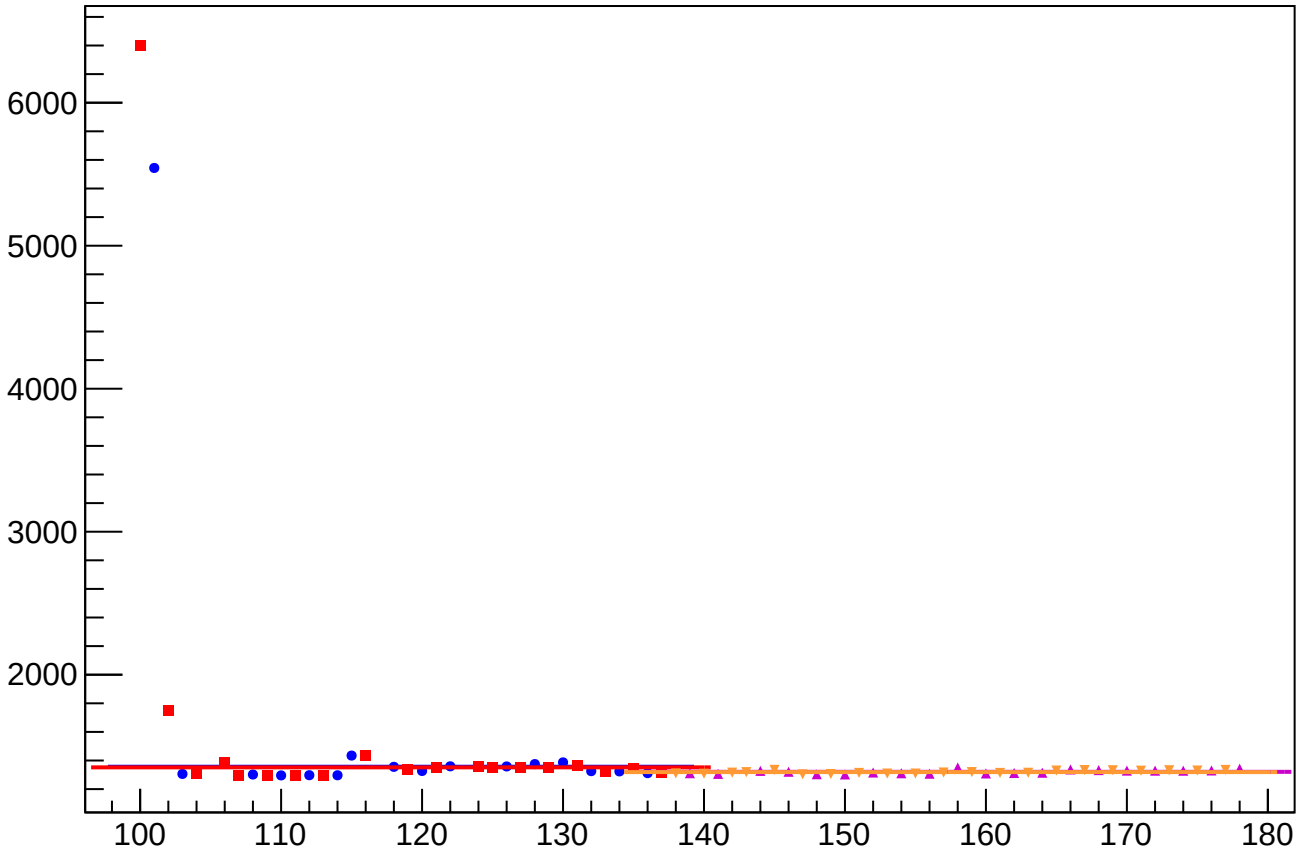
Left: -114.041+/-229.679 χ^2/NDF: 45.5/40

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: 83.240+/-276.304 χ^2/NDF:47.3/35

Out: -167.208+/-271.715 χ^2/NDF:30.1/39

All: -44.081+/-193.734 χ^2/NDF: 77.8/75



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: 1320.835+/-0.231 χ^2/NDF:3396.8/19

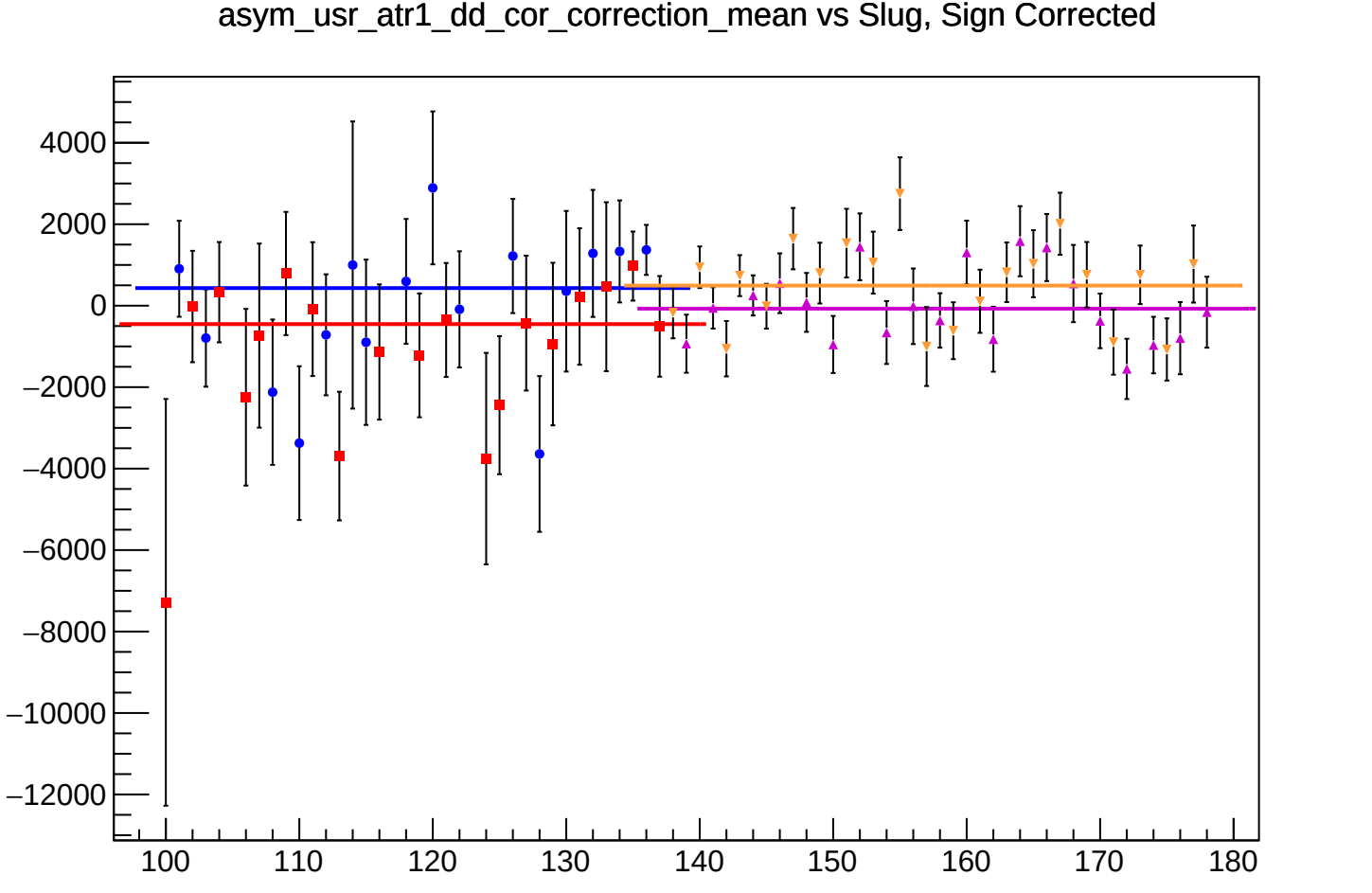
Left: 1319.944+/-0.162 χ^2/NDF: 5543.9/40

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1330.961+/-0.195 χ^2/NDF:770410.0/35

Out: 1328.718+/-0.192 χ^2/NDF:155548.3/39

All: 1329.821+/-0.137 χ^2/NDF: 926025.3/75



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 493.461+/-155.313 χ^2/NDF:36.7/20

Right Out: -453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: -72.609+/-161.757 χ^2/NDF:26.4/19

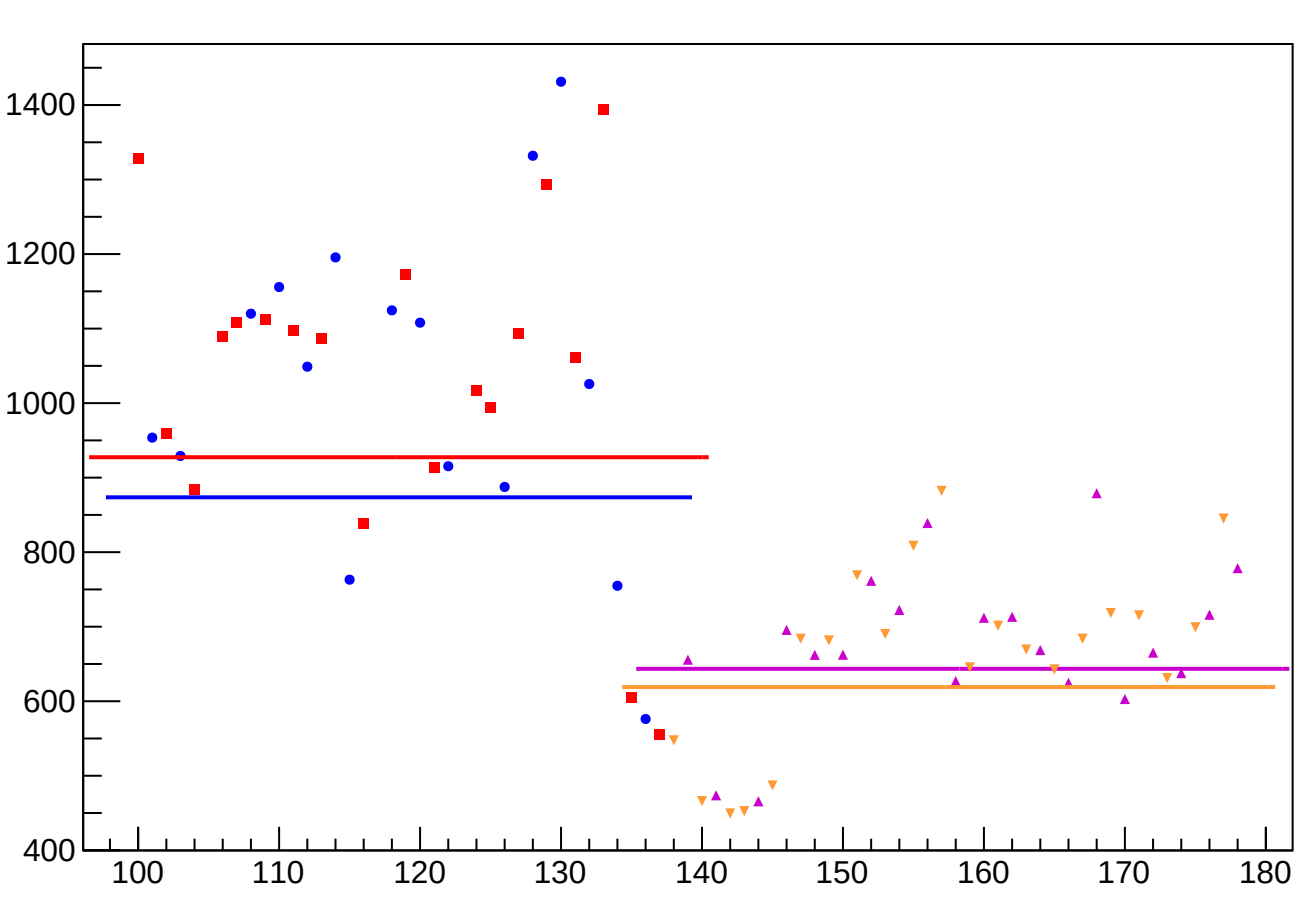
Left: 221.926+/-112.032 χ^2/NDF: 69.5/40

Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 21.268+/-145.941 χ^2/NDF:46.5/35

Out: 341.830+/-142.329 χ^2/NDF:57.4/39

All: 185.565+/-101.895 χ^2/NDF: 106.3/75



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: 643.471+/-0.114 χ^2/NDF:878378.7/19

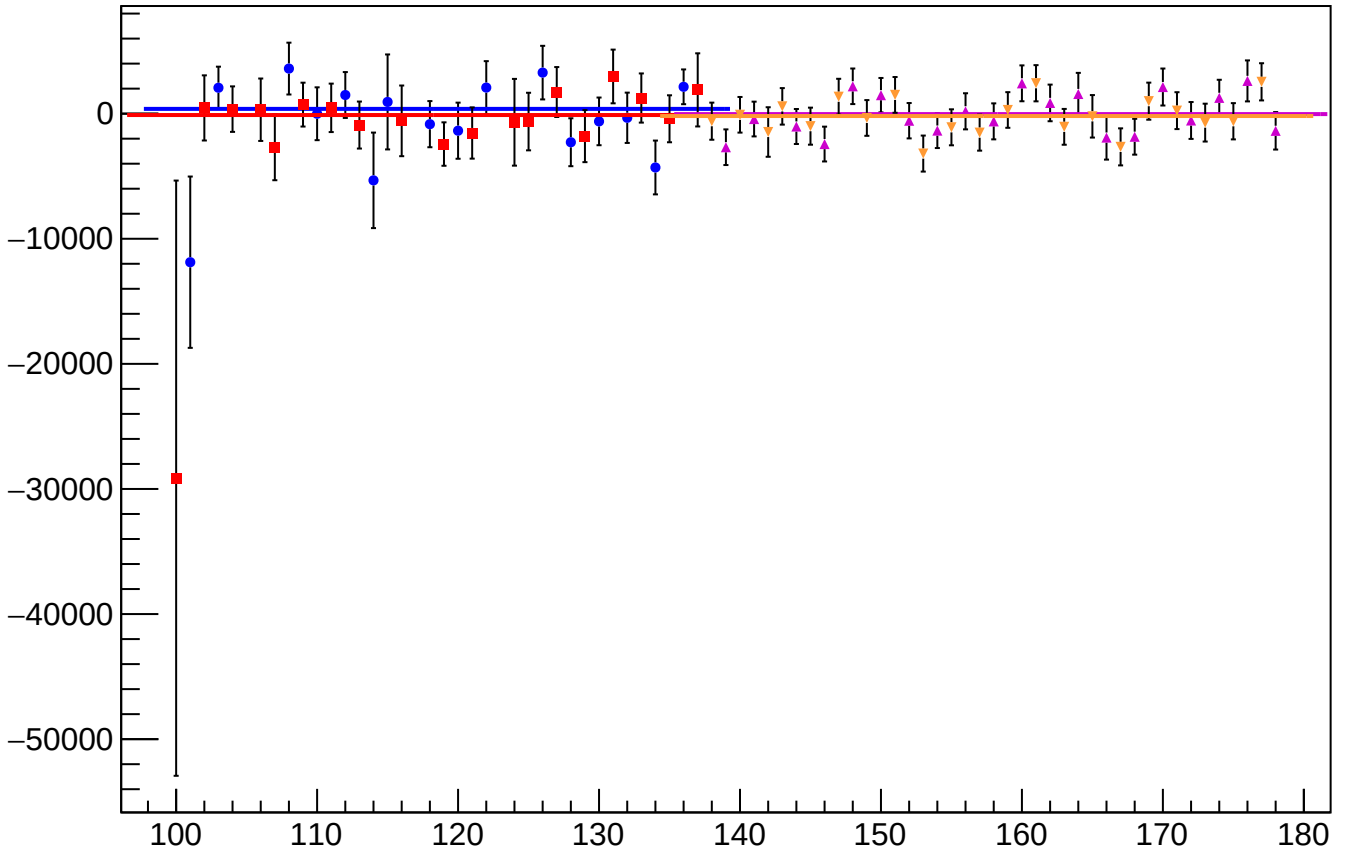
Left: 630.750+/-0.079 χ^2/NDF: 2161806.2/40

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 686.274+/-0.103 χ^2/NDF:2645718.1/35

Out: 668.426+/-0.101 χ^2/NDF:3370225.4/39

All: 677.127+/-0.072 χ^2/NDF: 6031273.9/75



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: -35.587+/-326.708 χ^2/NDF:25.3/19

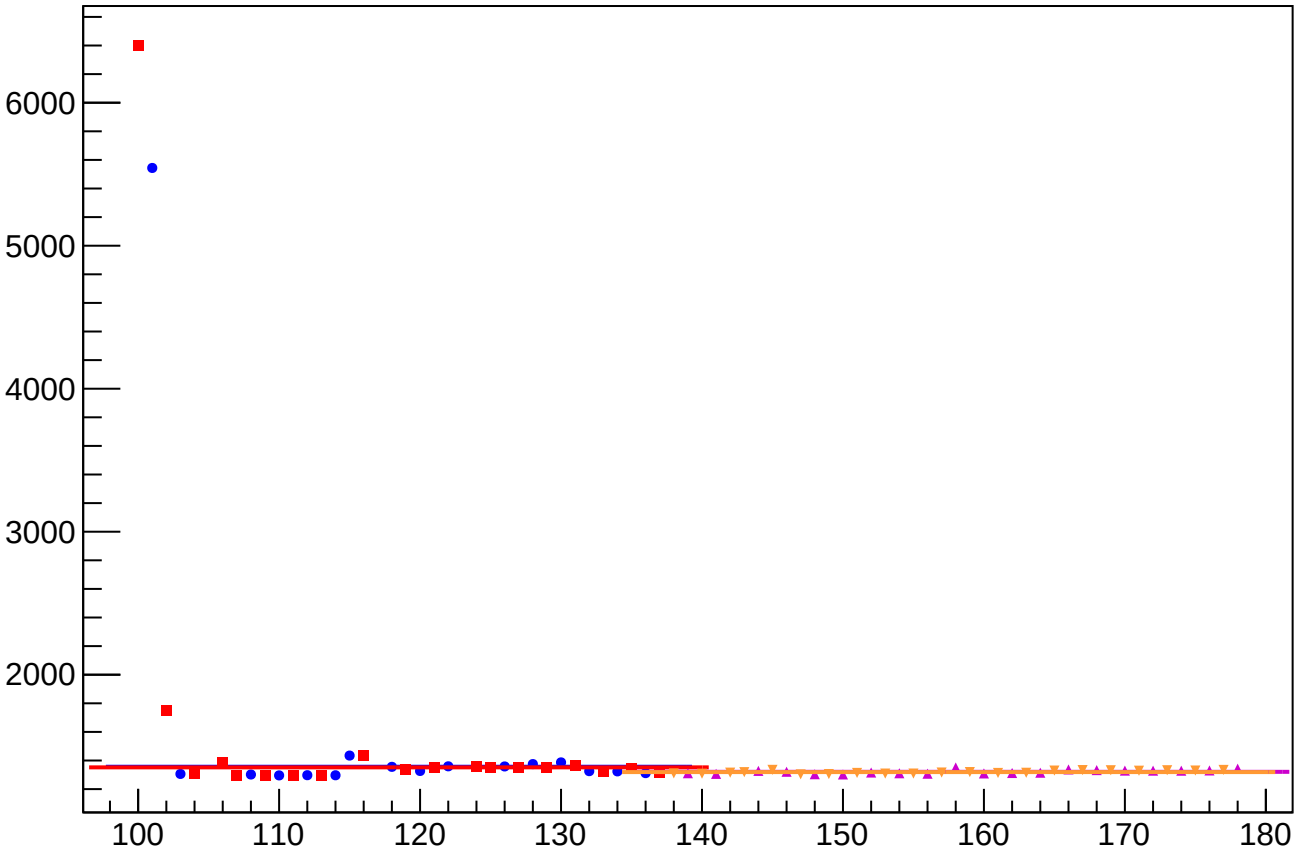
Left: -114.041+/-229.679 χ^2/NDF: 45.5/40

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: 83.240+/-276.304 χ^2/NDF:47.3/35

Out: -167.208+/-271.715 χ^2/NDF:30.1/39

All: -44.081+/-193.734 χ^2/NDF: 77.8/75



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: 1320.835+/-0.231 χ^2/NDF:3396.8/19

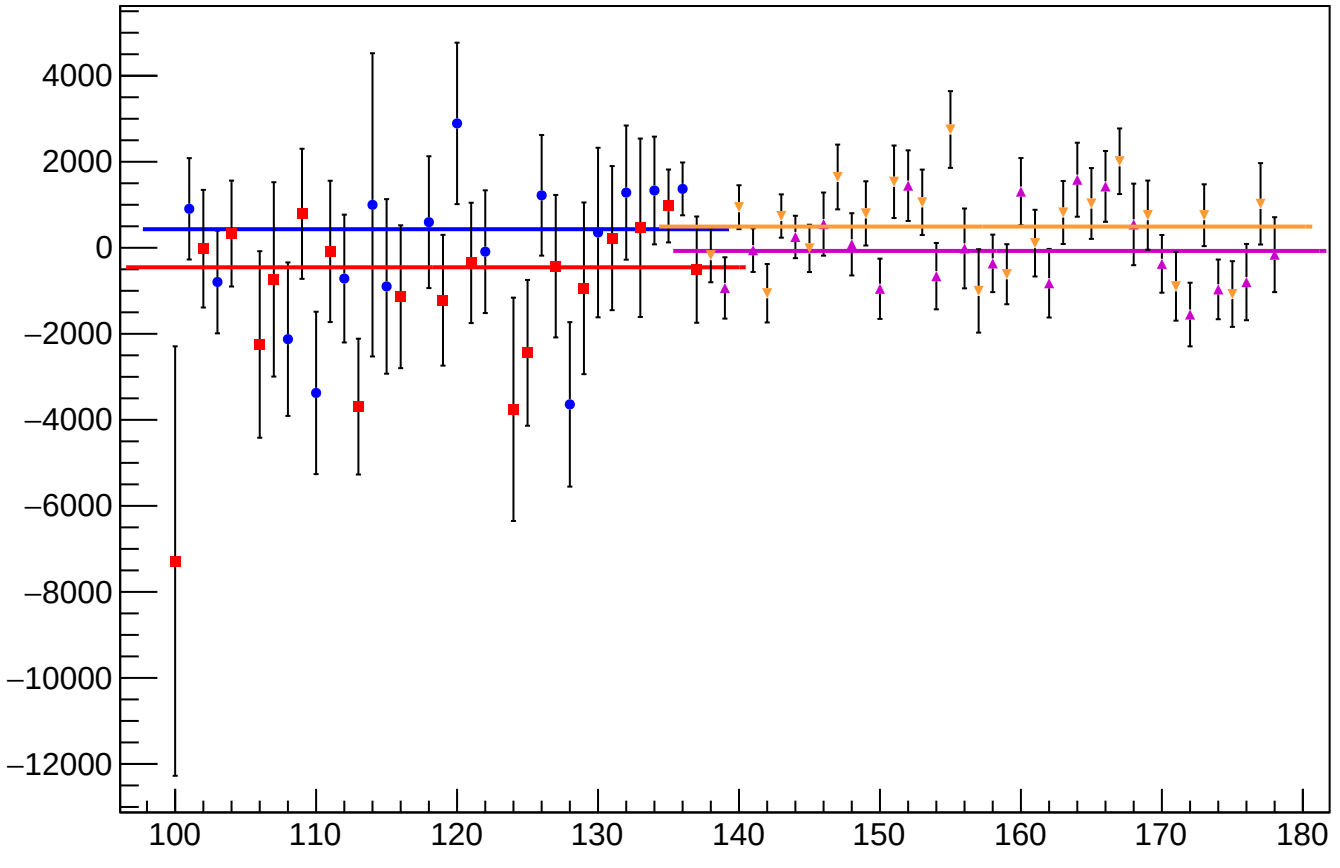
Left: 1319.944+/-0.162 χ^2/NDF: 5543.9/40

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1330.961+/-0.195 χ^2/NDF:770410.0/35

Out: 1328.718+/-0.192 χ^2/NDF:155548.3/39

All: 1329.821+/-0.137 χ^2/NDF: 926025.3/75



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 493.461+/-155.313 χ^2/NDF:36.7/20

Right Out: -453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: -72.609+/-161.757 χ^2/NDF:26.4/19

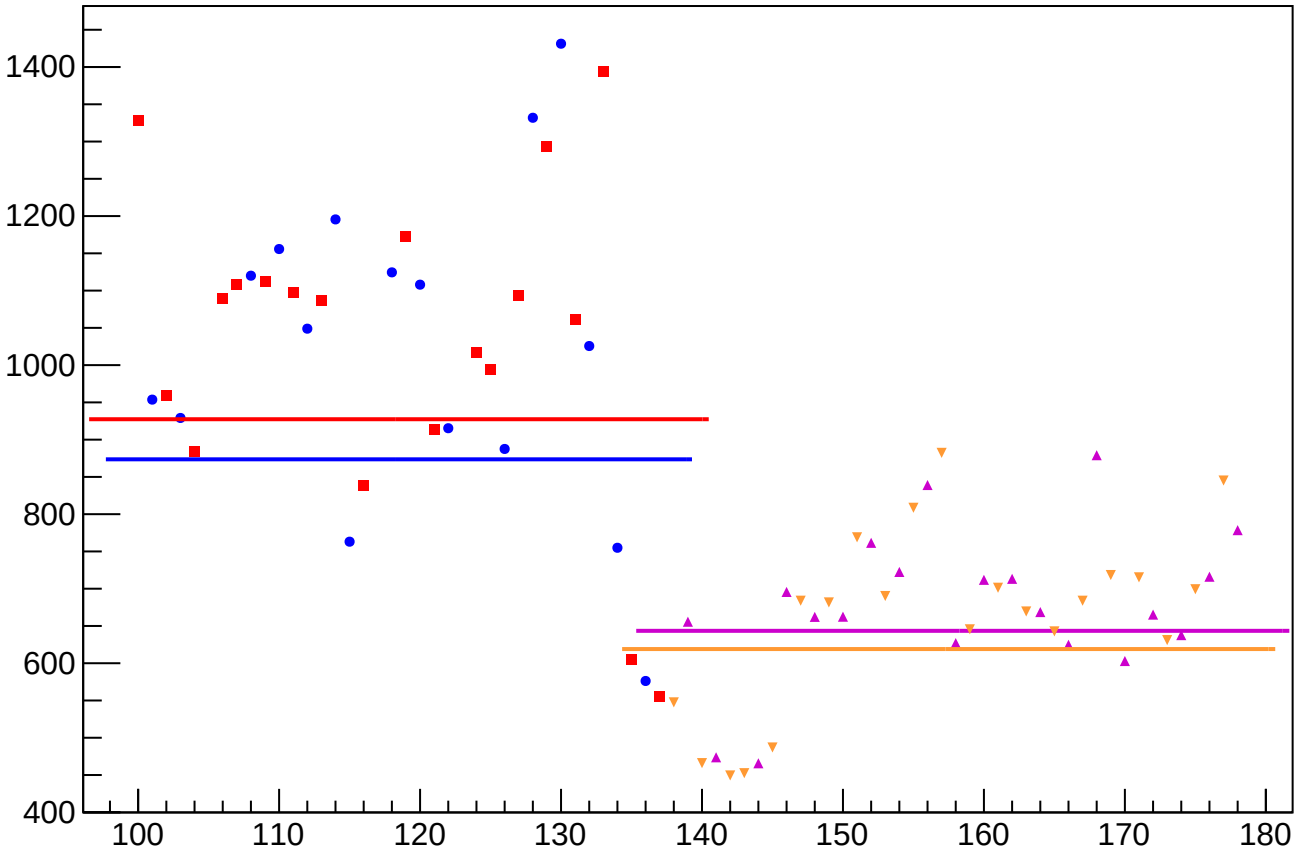
Left: 221.926+/-112.032 χ^2/NDF: 69.5/40

Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 21.268+/-145.941 χ^2/NDF:46.5/35

Out: 341.830+/-142.329 χ^2/NDF:57.4/39

All: 185.565+/-101.895 χ^2/NDF: 106.3/75



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: 643.471+/-0.114 χ^2/NDF:878378.7/19

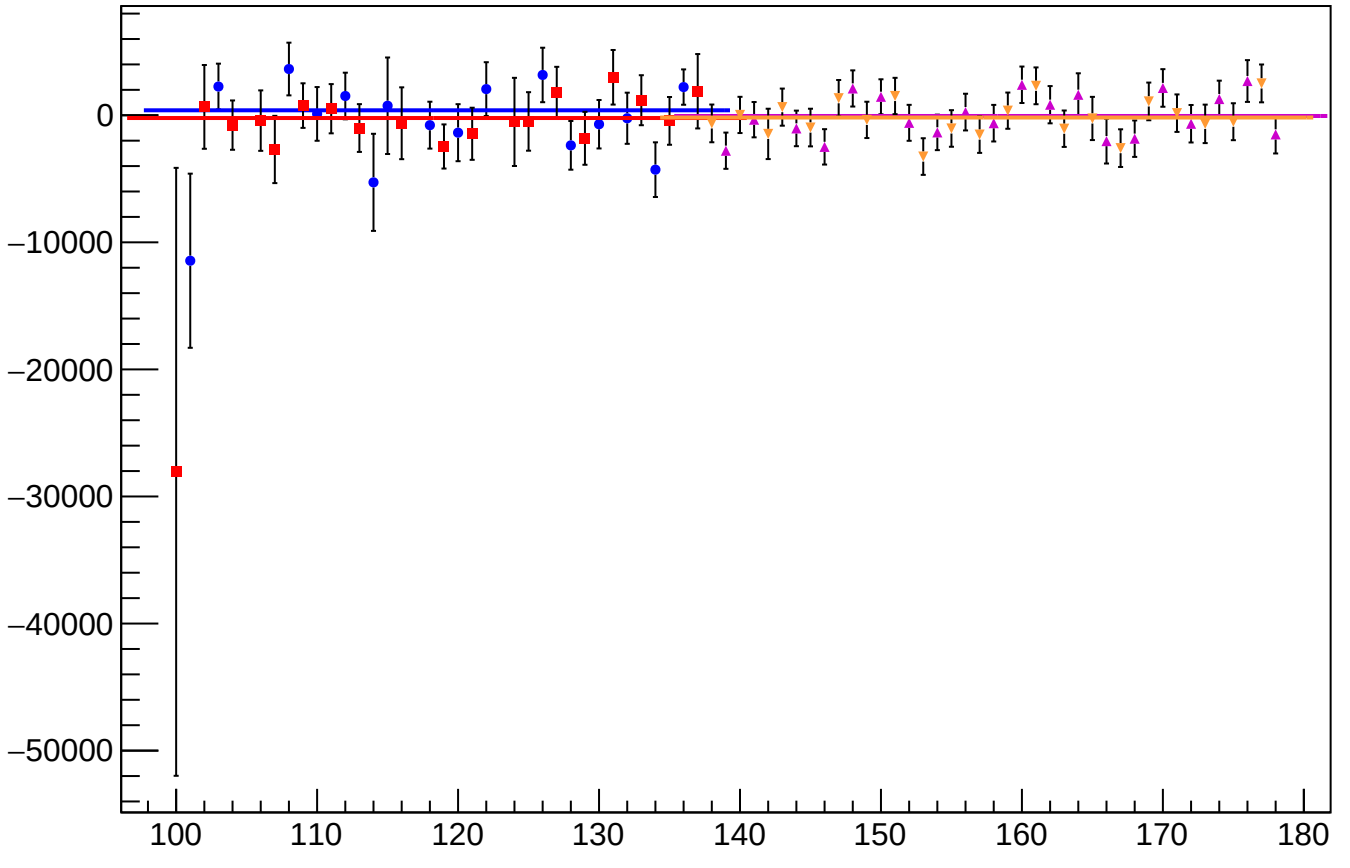
Left: 630.750+/-0.079 χ^2/NDF: 2161806.2/40

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 686.274+/-0.103 χ^2/NDF:2645718.1/35

Out: 668.426+/-0.101 χ^2/NDF:3370225.4/39

All: 677.127+/-0.072 χ^2/NDF: 6031273.9/75



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: -57.690+/-327.016 χ^2/NDF:26.0/19

Left: -118.997+/-229.894 χ^2/NDF: 45.9/40

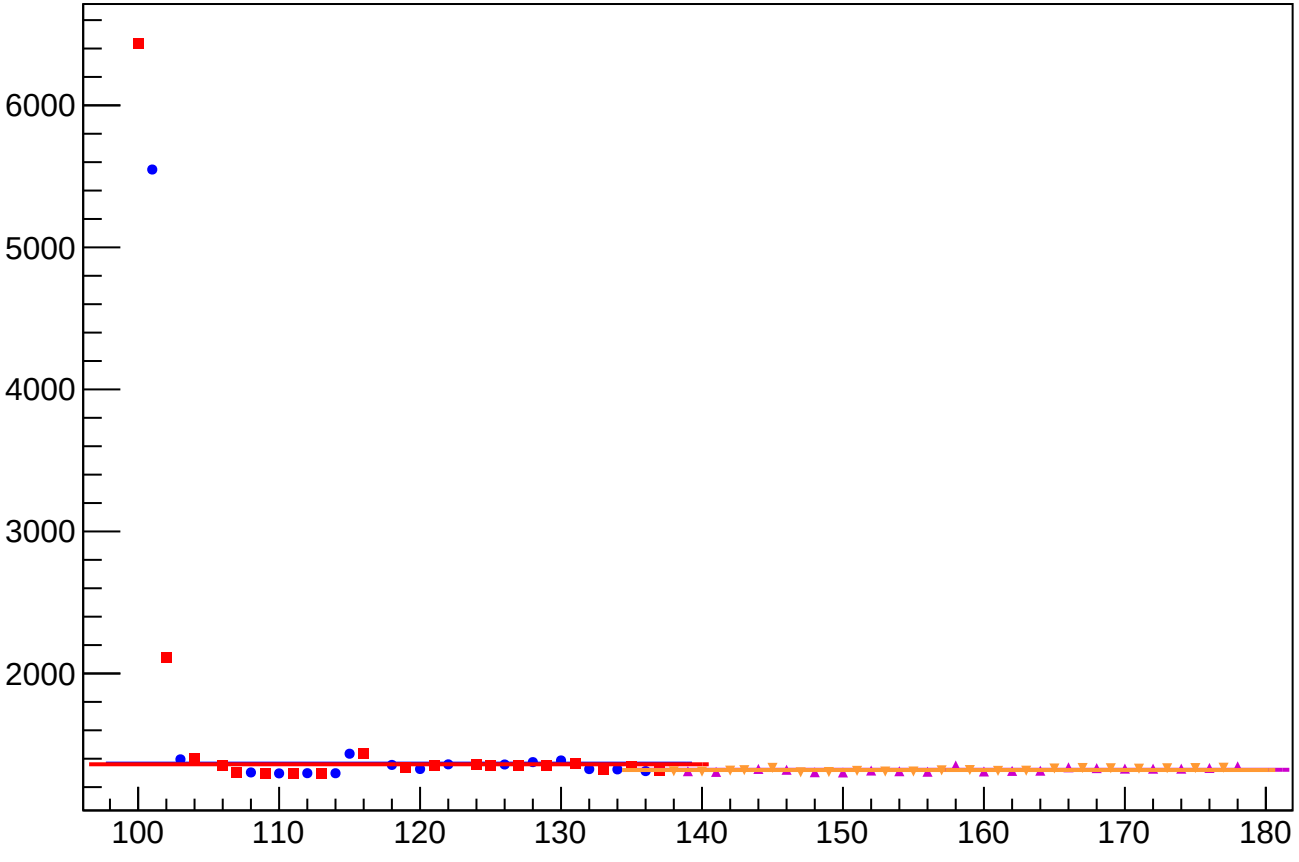
Right: 78.065+/-363.747 χ^2/NDF: 32.1/34

In: 68.768+/-277.000 χ^2/NDF:48.0/35

Out: -190.226+/-272.710 χ^2/NDF:29.8/39

All: -62.750+/-194.334 χ^2/NDF: 78.2/75

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: 1322.075+/-0.231 χ^2/NDF:3577.0/19

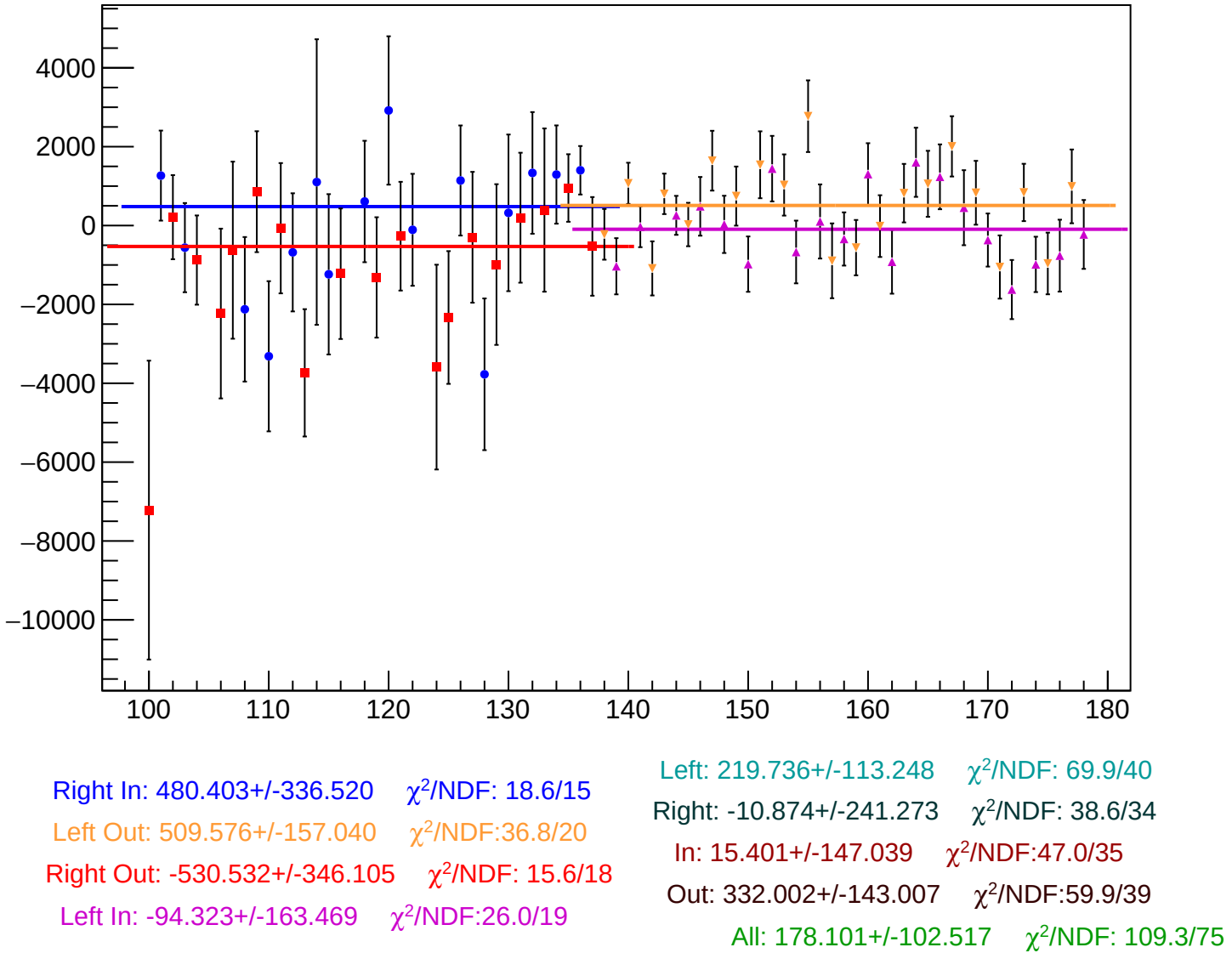
Left: 1321.171+/-0.163 χ^2/NDF: 5822.4/40

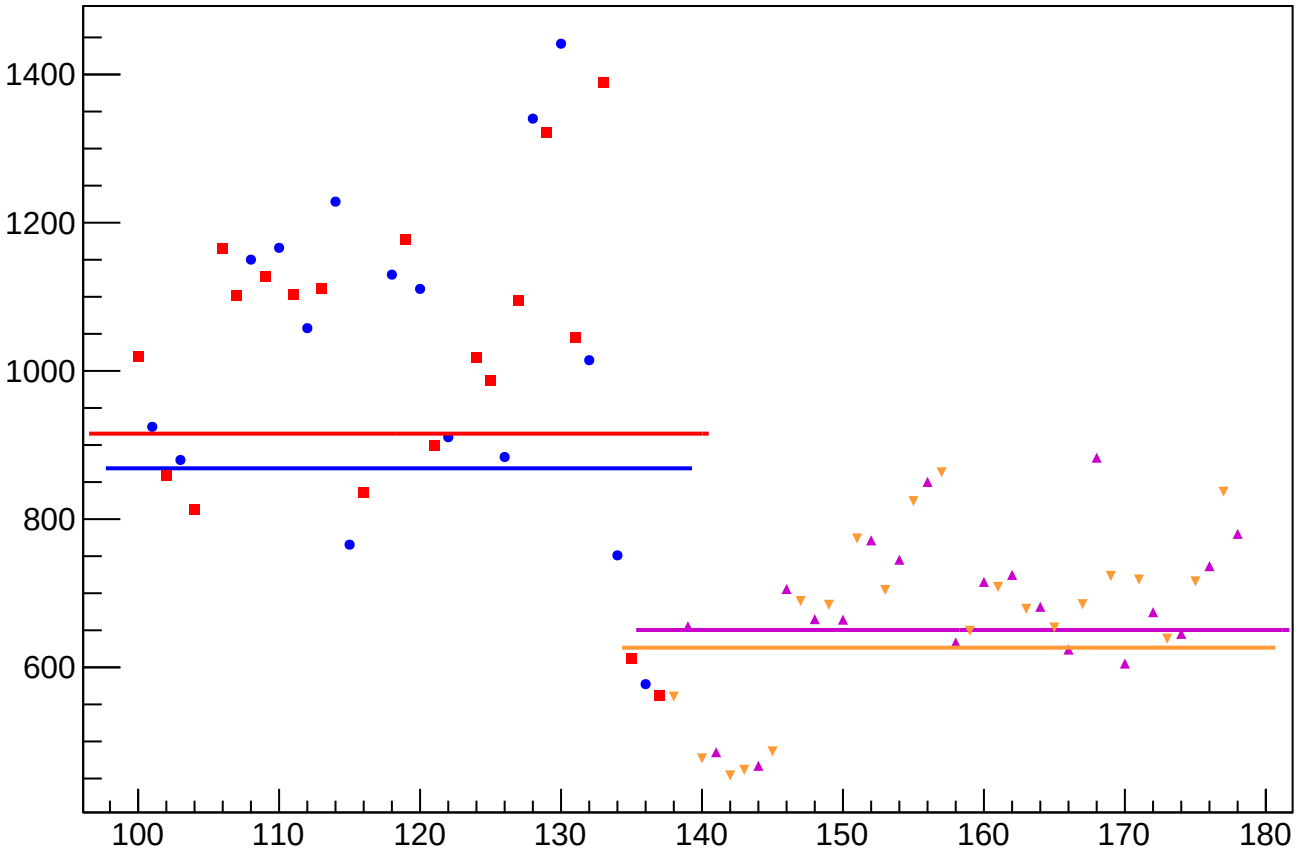
Right: 1362.978+/-0.257 χ^2/NDF: 964337.6/34

In: 1334.287+/-0.196 χ^2/NDF:772394.1/35

Out: 1331.958+/-0.193 χ^2/NDF:216572.5/39

All: 1333.104+/-0.137 χ^2/NDF: 989038.4/75


asym_usr_atr1_dd_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
170
180
Right In: 480.403+/-336.520 χ²/NDF: 18.6/15
Left Out: 509.576+/-157.040 χ²/NDF:36.8/20
Right Out: -530.532+/-346.105 χ²/NDF: 15.6/18
Left In: -94.323+/-163.469 χ²/NDF:26.0/19
Left: 219.736+/-113.248 χ²/NDF: 69.9/40
Right: -10.874+/-241.273 χ²/NDF: 38.6/34
In: 15.401+/-147.039 χ²/NDF:47.0/35
Out: 332.002+/-143.007 χ²/NDF:59.9/39
All: 178.101+/-102.517 χ²/NDF: 109.3/75



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: 650.414+/-0.116 χ^2/NDF:879841.0/19

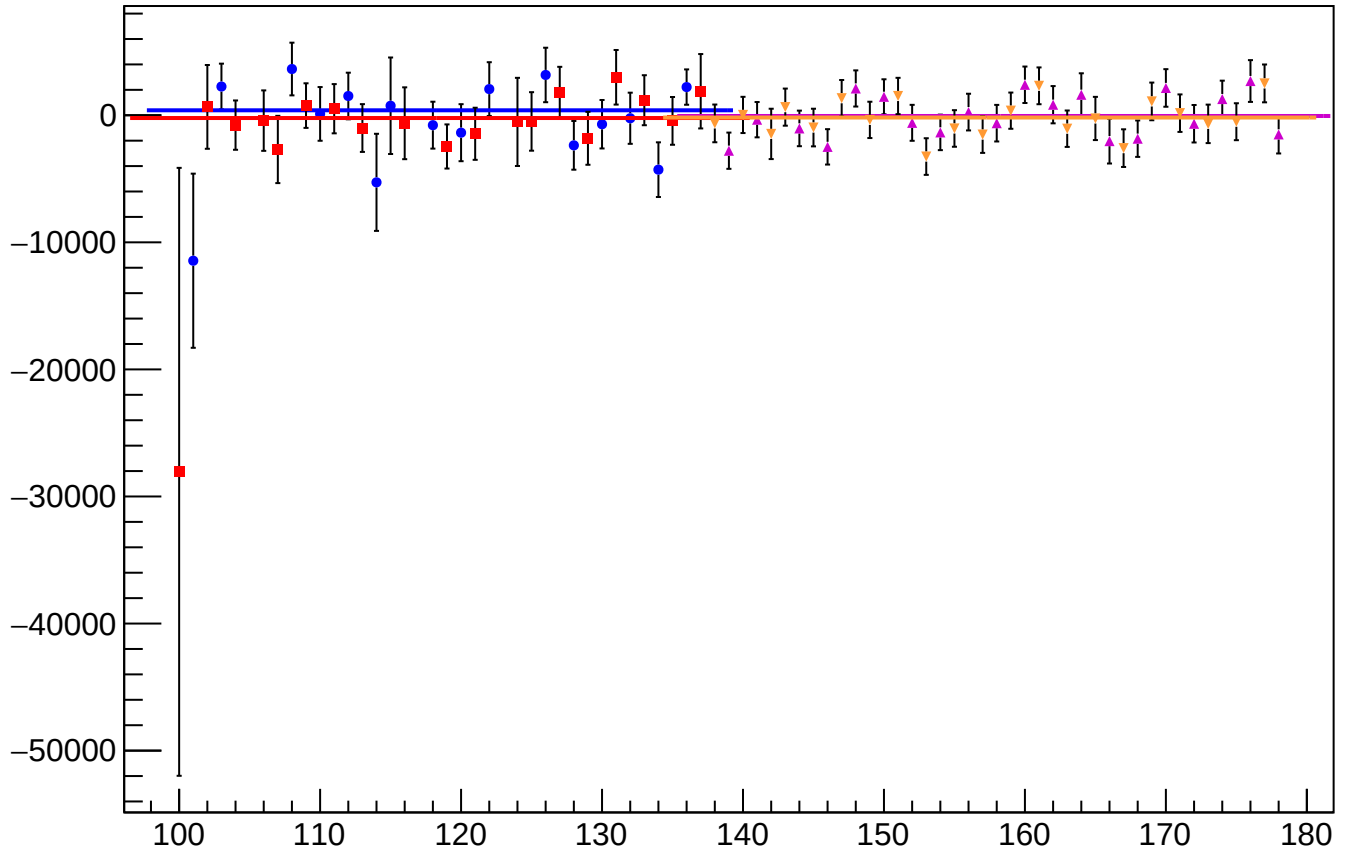
Left: 638.010+/-0.080 χ^2/NDF: 2104332.7/40

Right: 891.309+/-0.171 χ^2/NDF: 1899033.0/34

In: 692.064+/-0.104 χ^2/NDF:2581232.8/35

Out: 675.868+/-0.101 χ^2/NDF:3216032.3/39

All: 683.741+/-0.072 χ^2/NDF: 5809734.1/75



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: -57.690+/-327.016 χ^2/NDF:26.0/19

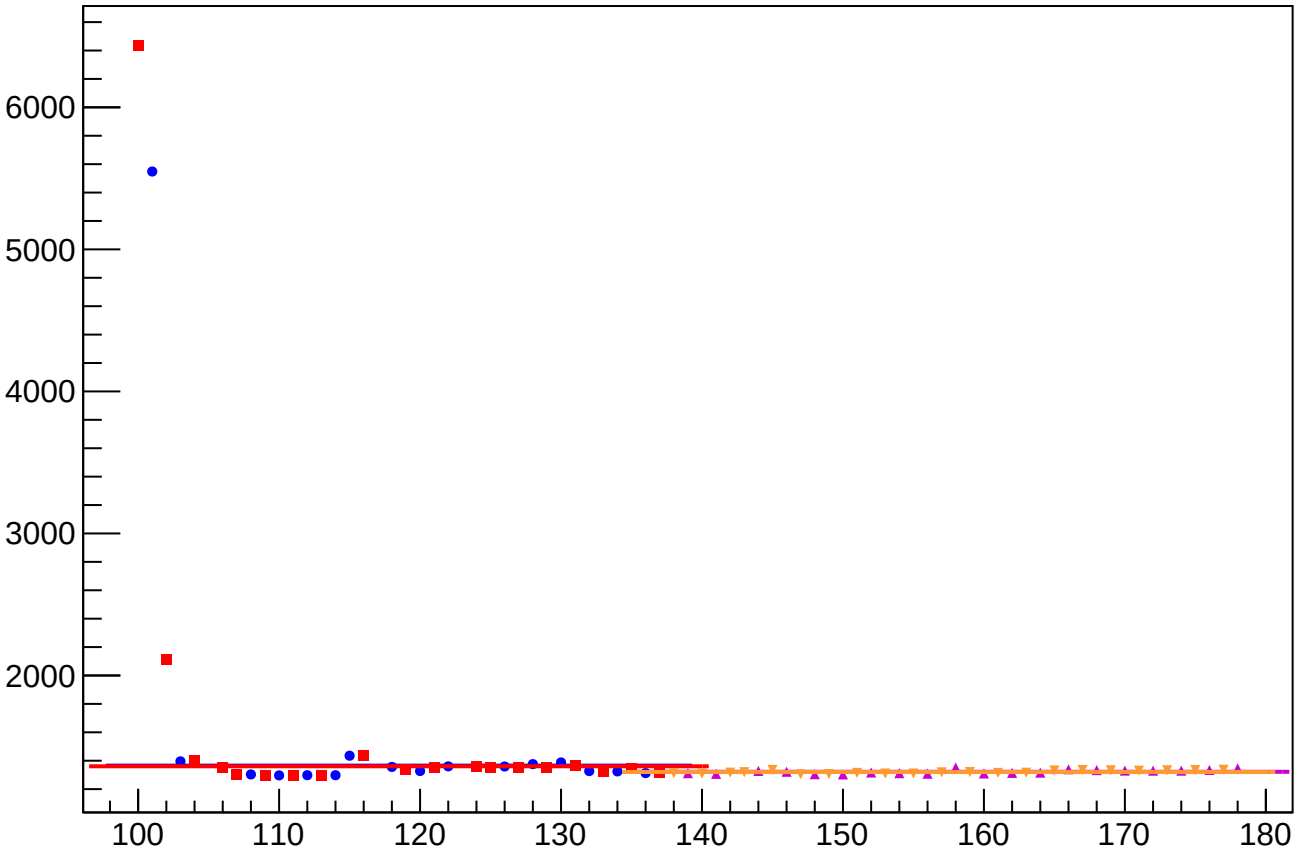
Left: -118.998+/-229.894 χ^2/NDF: 45.9/40

Right: 78.066+/-363.747 χ^2/NDF: 32.1/34

In: 68.768+/-277.000 χ^2/NDF:48.0/35

Out: -190.226+/-272.710 χ^2/NDF:29.8/39

All: -62.750+/-194.334 χ^2/NDF: 78.2/75



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: 1322.075+/-0.231 χ^2/NDF:3577.0/19

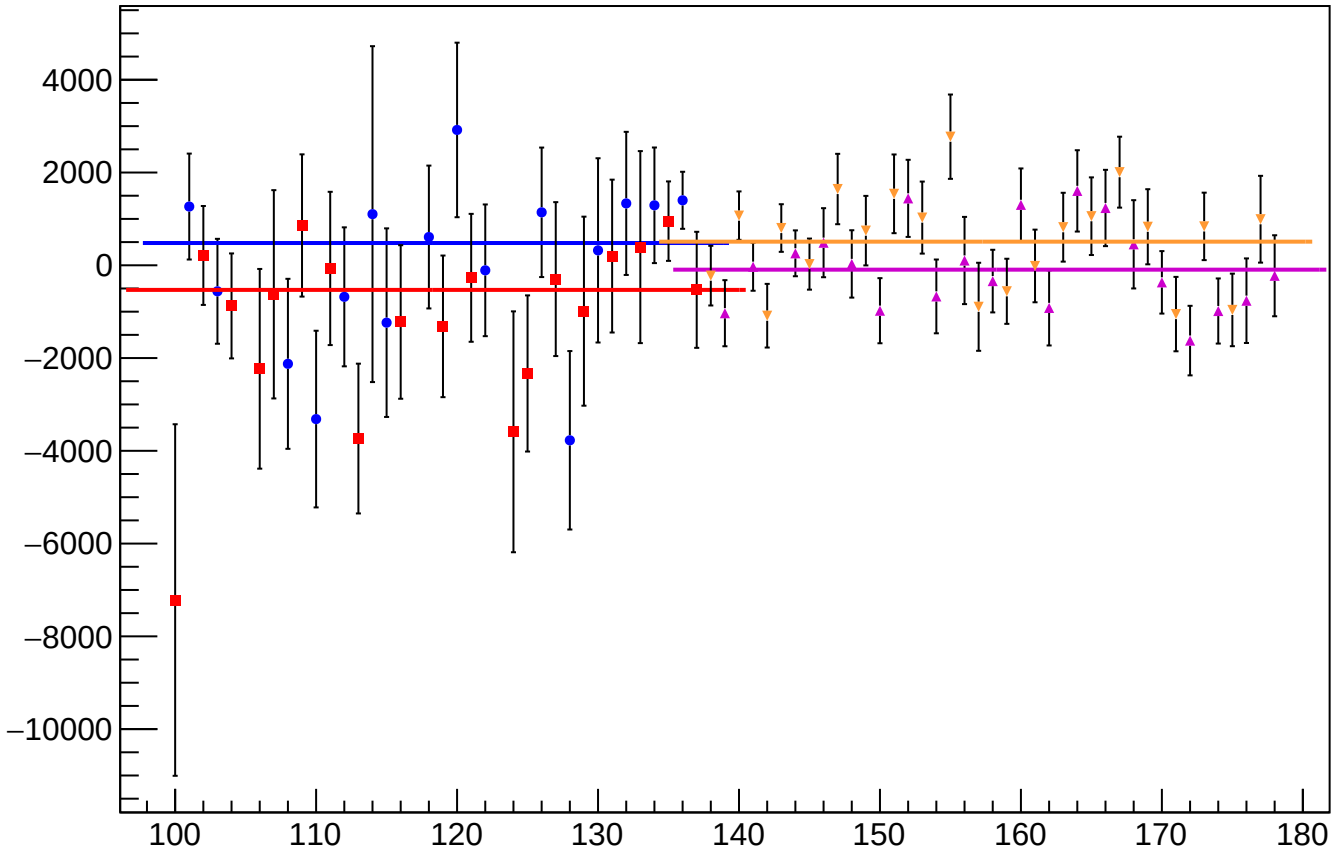
Left: 1321.171+/-0.163 χ^2/NDF: 5822.4/40

Right: 1362.978+/-0.257 χ^2/NDF: 964337.5/34

In: 1334.287+/-0.196 χ^2/NDF:772394.1/35

Out: 1331.958+/-0.193 χ^2/NDF:216572.5/39

All: 1333.104+/-0.137 χ^2/NDF: 989038.3/75



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: -94.322+/-163.469 χ^2/NDF:26.0/19

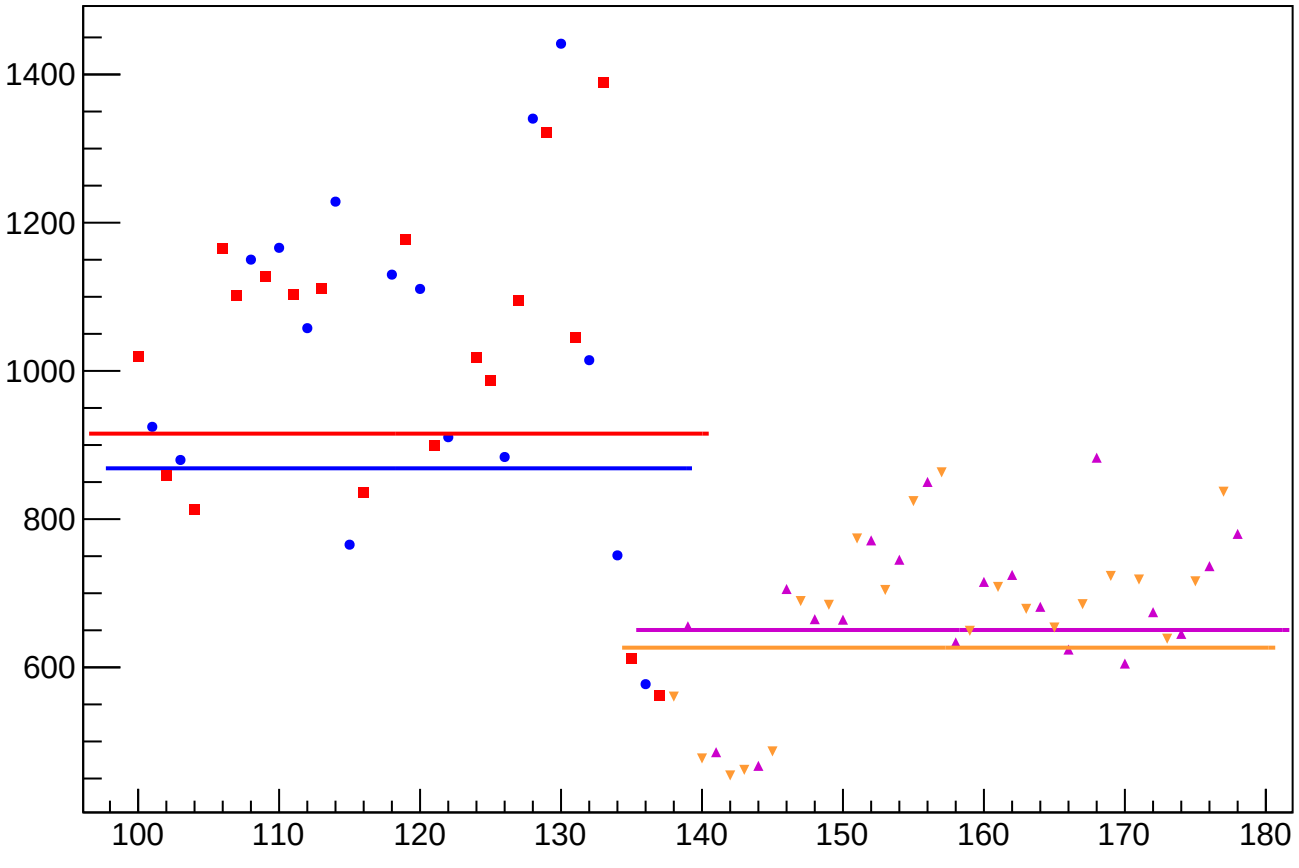
Left: 219.737+/-113.249 χ^2/NDF: 69.9/40

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 15.402+/-147.039 χ^2/NDF:47.0/35

Out: 332.002+/-143.007 χ^2/NDF:59.9/39

All: 178.102+/-102.517 χ^2/NDF: 109.3/75



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: 650.415+/-0.116 χ^2/NDF:879849.2/19

Left: 638.011+/-0.080 χ^2/NDF: 2104360.3/40

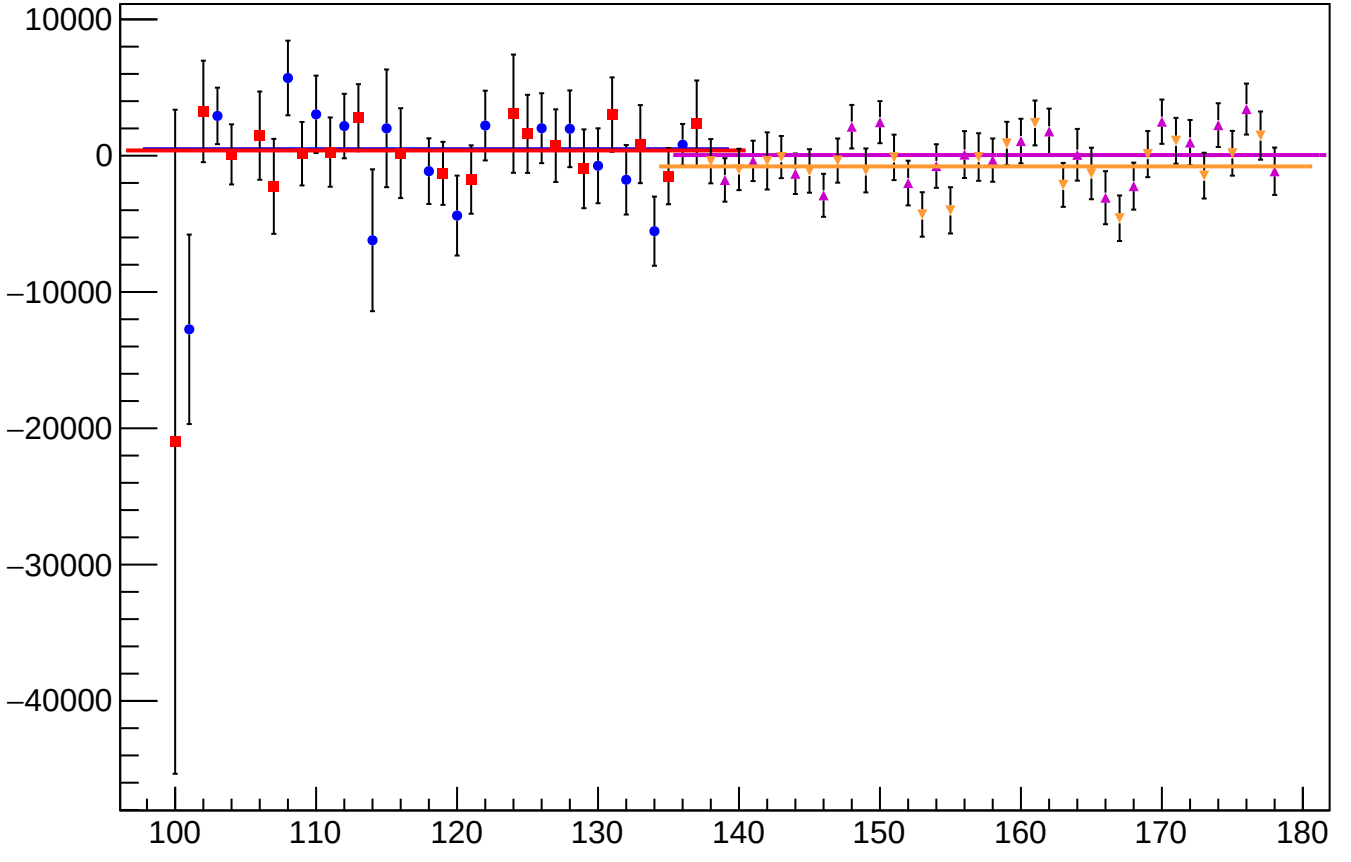
Right: 891.307+/-0.171 χ^2/NDF: 1899032.0/34

In: 692.065+/-0.104 χ^2/NDF:2581219.8/35

Out: 675.869+/-0.101 χ^2/NDF:3216035.9/39

All: 683.742+/-0.072 χ^2/NDF: 5809725.4/75

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: 46.116+/-368.153 χ^2/NDF:25.8/19

Left: -375.428+/-258.679 χ^2/NDF: 51.9/40

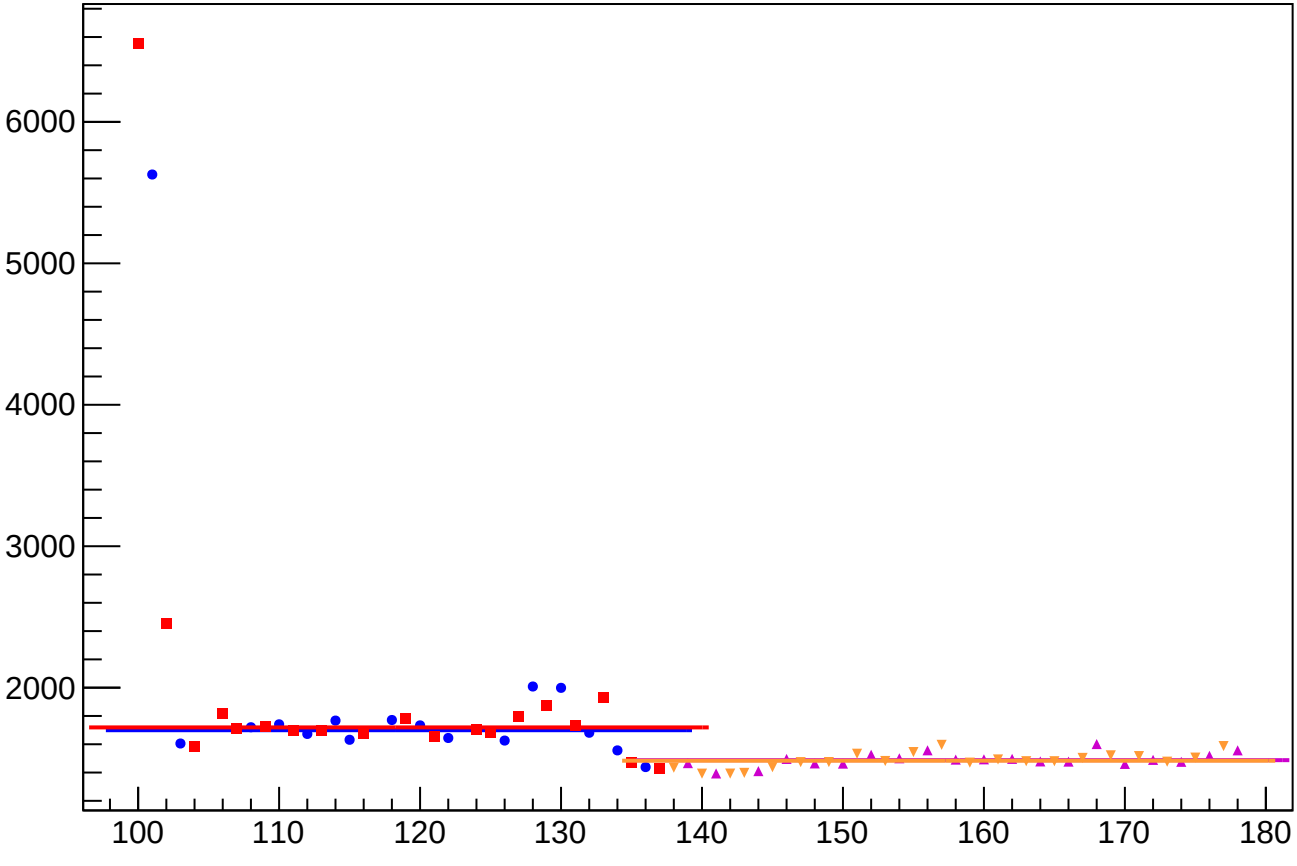
Right: 428.642+/-456.500 χ^2/NDF: 30.0/34

In: 150.101+/-320.249 χ^2/NDF:48.8/35

Out: -502.093+/-316.346 χ^2/NDF:33.3/39

All: -179.994+/-225.057 χ^2/NDF: 84.2/75

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: 1487.547+/-0.260 χ^2/NDF:32625.1/19

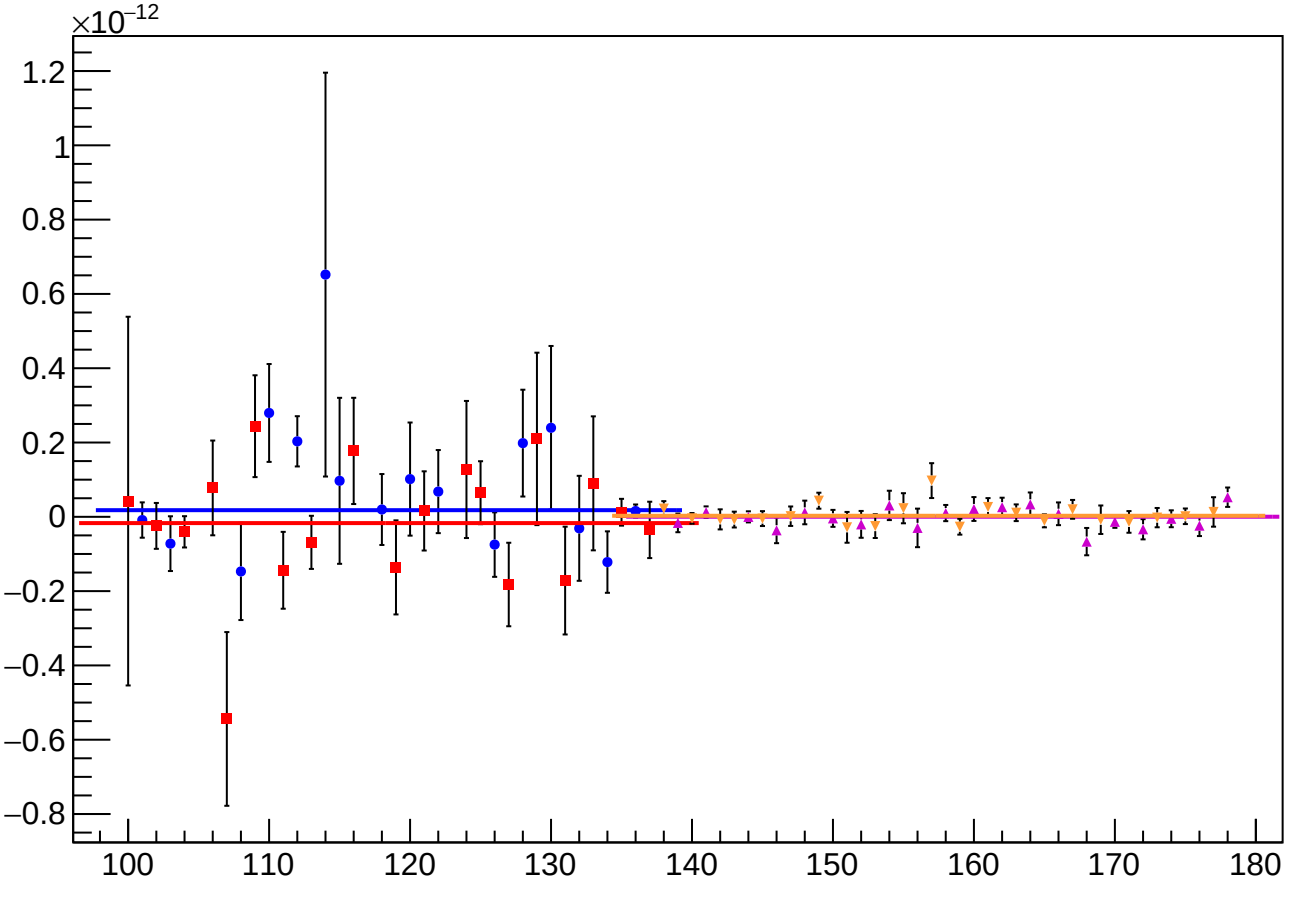
Left: 1485.591+/-0.183 χ^2/NDF: 75679.0/40

Right: 1709.327+/-0.323 χ^2/NDF: 996787.3/34

In: 1539.076+/-0.226 χ^2/NDF:955755.1/35

Out: 1540.845+/-0.224 χ^2/NDF:480333.7/39

All: 1539.971+/-0.159 χ^2/NDF: 1436119.7/75



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:16.8/19

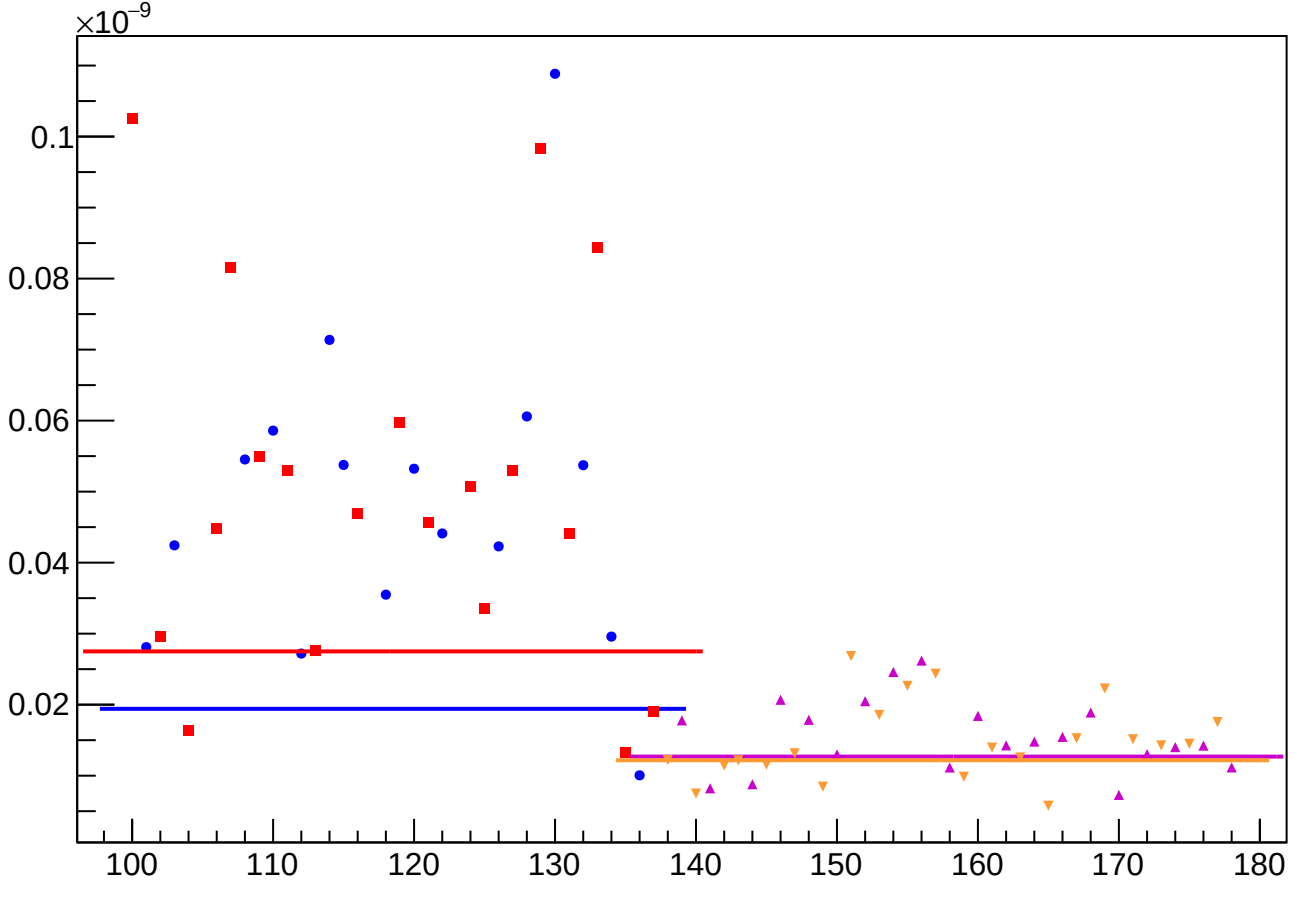
Left: 0.000+/-0.000 χ^2/NDF: 32.4/40

Right: 0.000+/-0.000 χ^2/NDF: 47.0/34

In: 0.000+/-0.000 χ^2/NDF:41.7/35

Out: 0.000+/-0.000 χ^2/NDF:37.8/39

All: 0.000+/-0.000 χ^2/NDF: 79.5/75



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:1357816.9/19

Left: 0.000+/-0.000 χ^2/NDF: 2811170.5/40

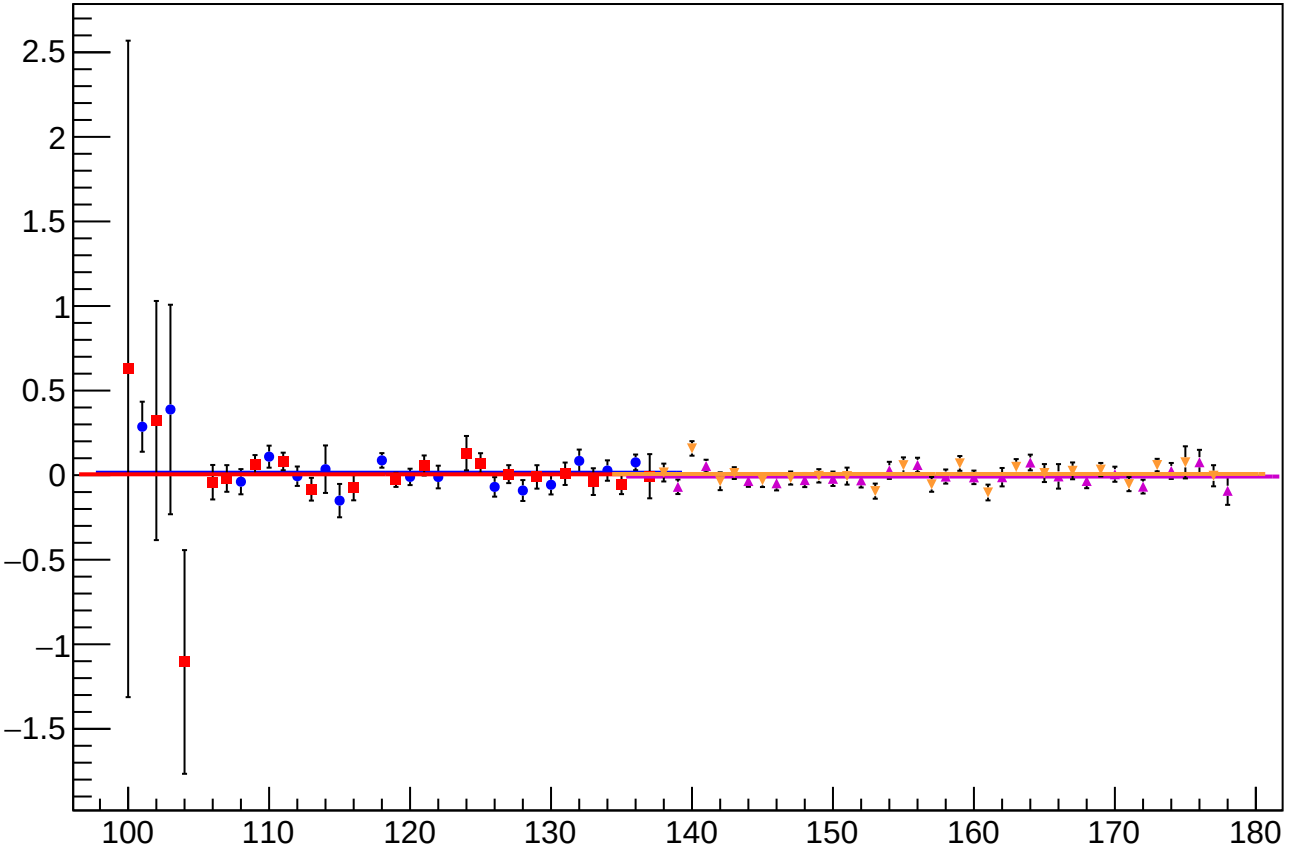
Right: 0.000+/-0.000 χ^2/NDF: 4153449.9/34

In: 0.000+/-0.000 χ^2/NDF:4014358.7/35

Out: 0.000+/-0.000 χ^2/NDF:4292921.4/39

All: 0.000+/-0.000 χ^2/NDF: 8311123.0/75

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.007+/-0.010 χ^2/NDF:36.5/20

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.008+/-0.010 χ^2/NDF:18.7/19

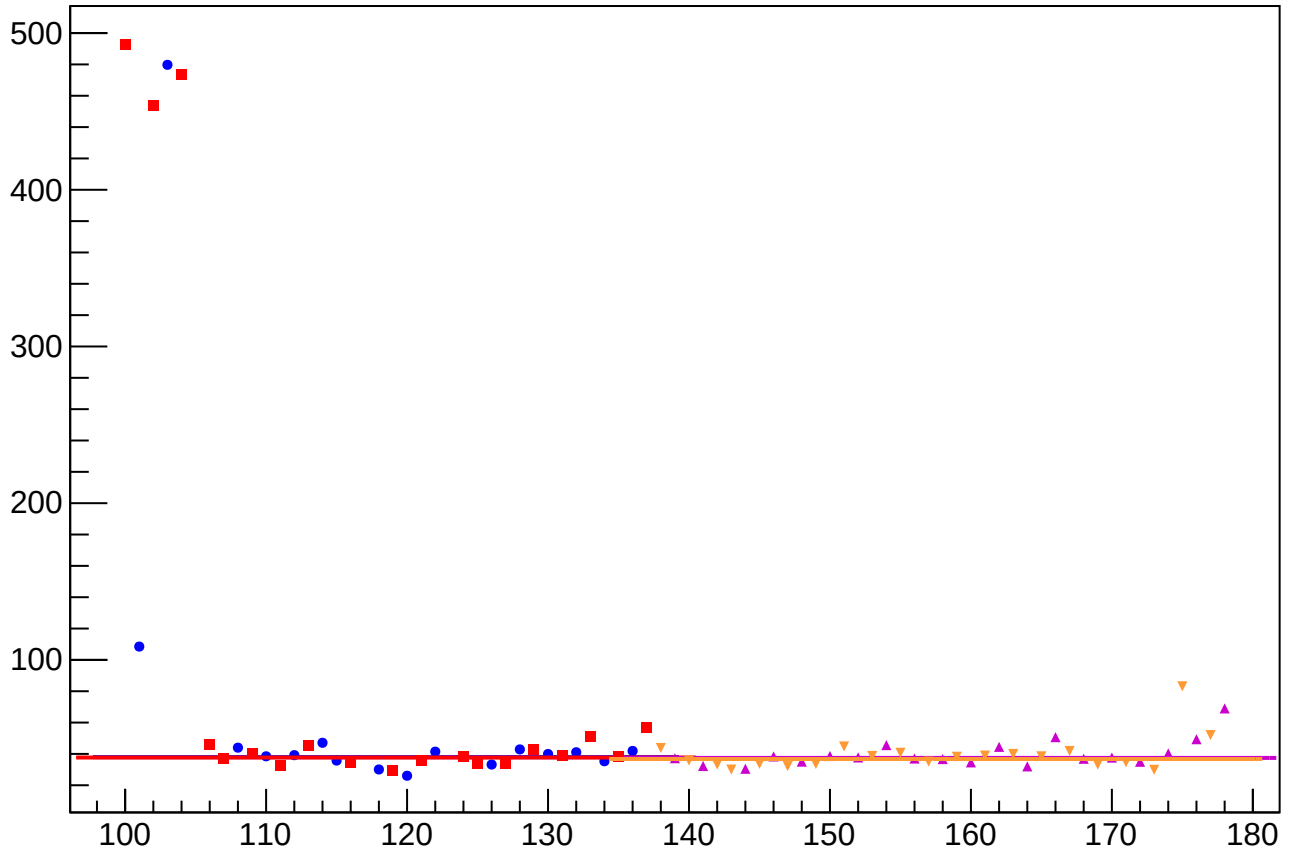
Left: -0.000+/-0.007 χ^2/NDF: 56.3/40

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.002+/-0.008 χ^2/NDF:42.1/35

Out: 0.006+/-0.008 χ^2/NDF:51.3/39

All: 0.002+/-0.006 χ^2/NDF: 94.0/75



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: 37.447+/-0.007 χ^2/NDF:675445.4/19

Left: 37.084+/-0.005 χ^2/NDF: 1650755.4/40

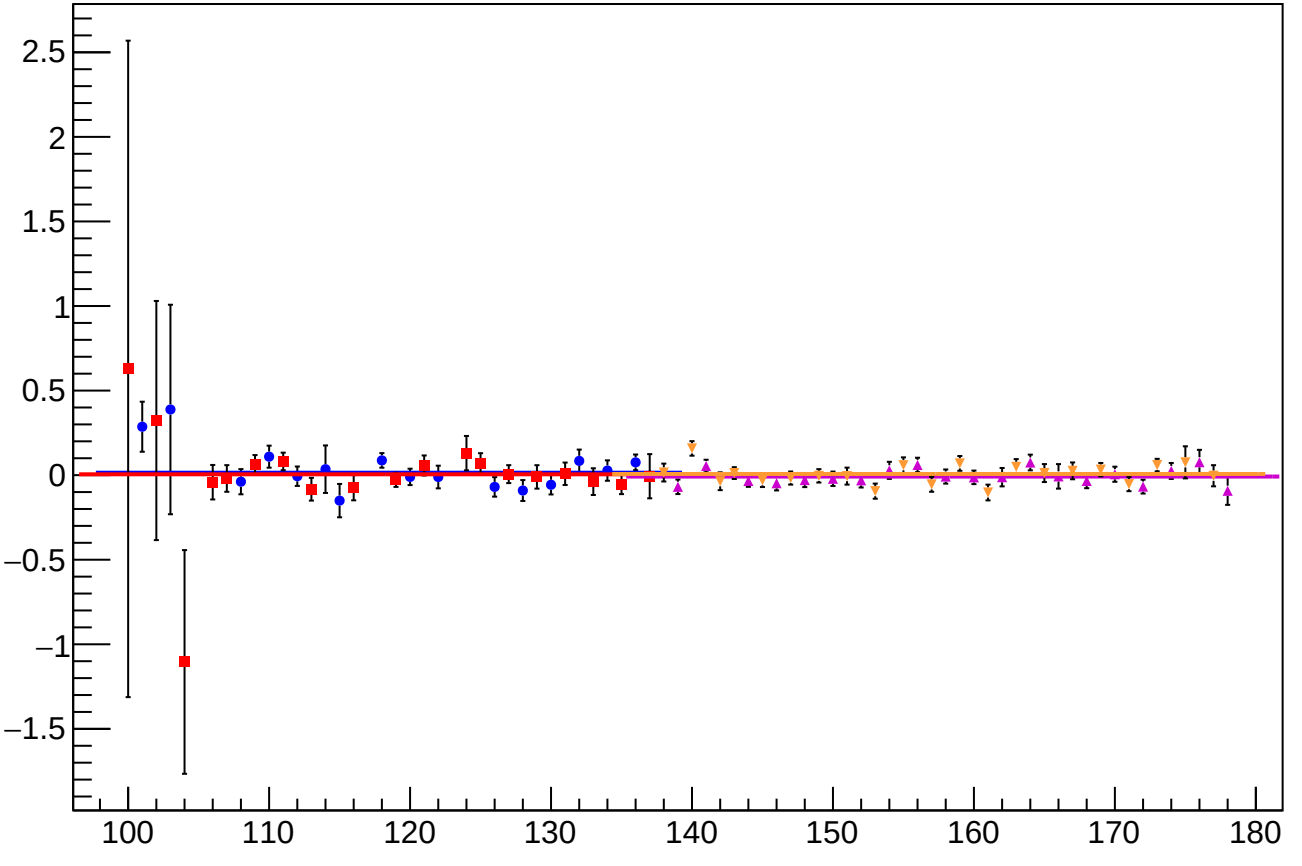
Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 37.588+/-0.006 χ^2/NDF:2416494.7/35

Out: 36.999+/-0.006 χ^2/NDF:2920275.7/39

All: 37.289+/-0.004 χ^2/NDF: 5341654.9/75

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.007+/-0.010 χ^2/NDF:36.5/20

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.008+/-0.010 χ^2/NDF:18.7/19

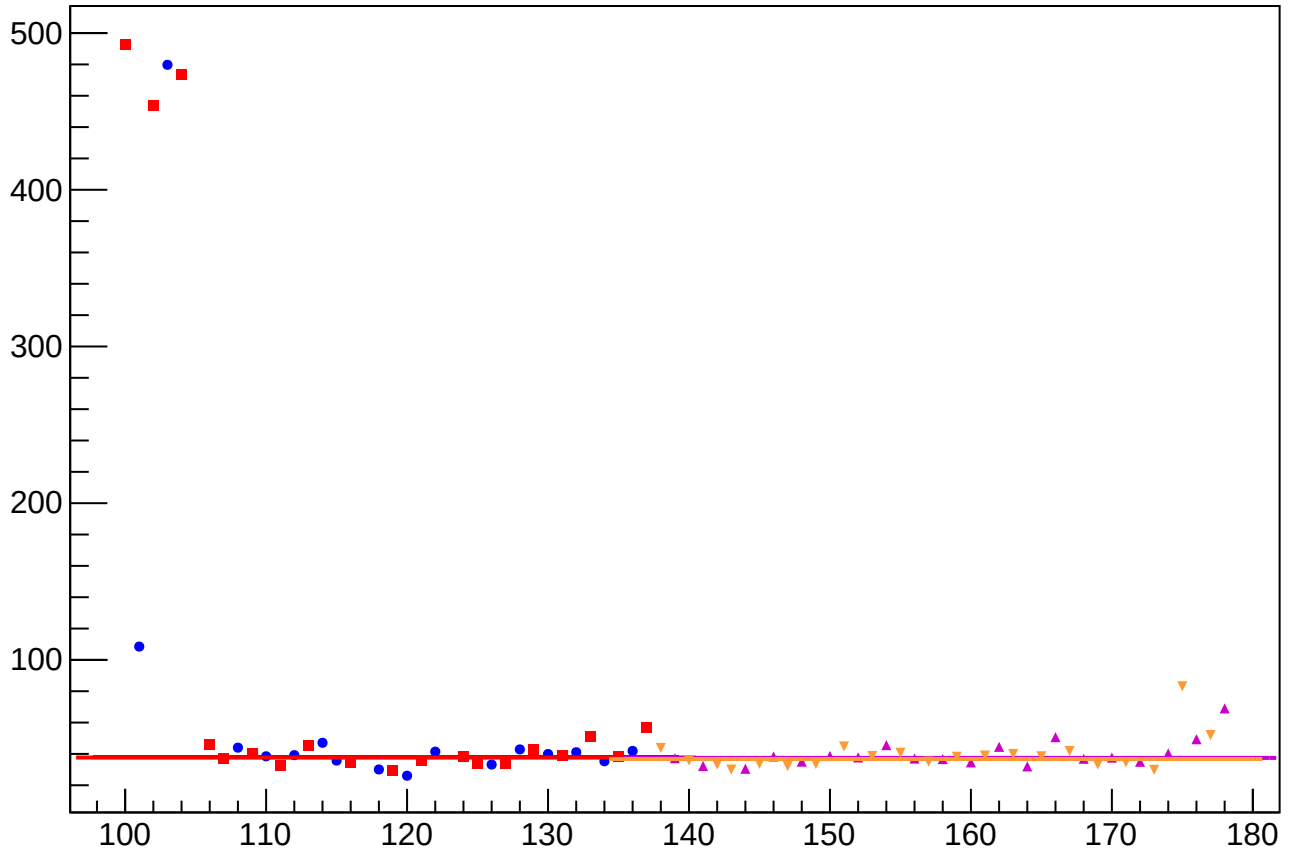
Left: -0.000+/-0.007 χ^2/NDF: 56.3/40

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.002+/-0.008 χ^2/NDF:42.1/35

Out: 0.006+/-0.008 χ^2/NDF:51.3/39

All: 0.002+/-0.006 χ^2/NDF: 94.0/75



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: 37.447+/-0.007 χ^2/NDF:675445.4/19

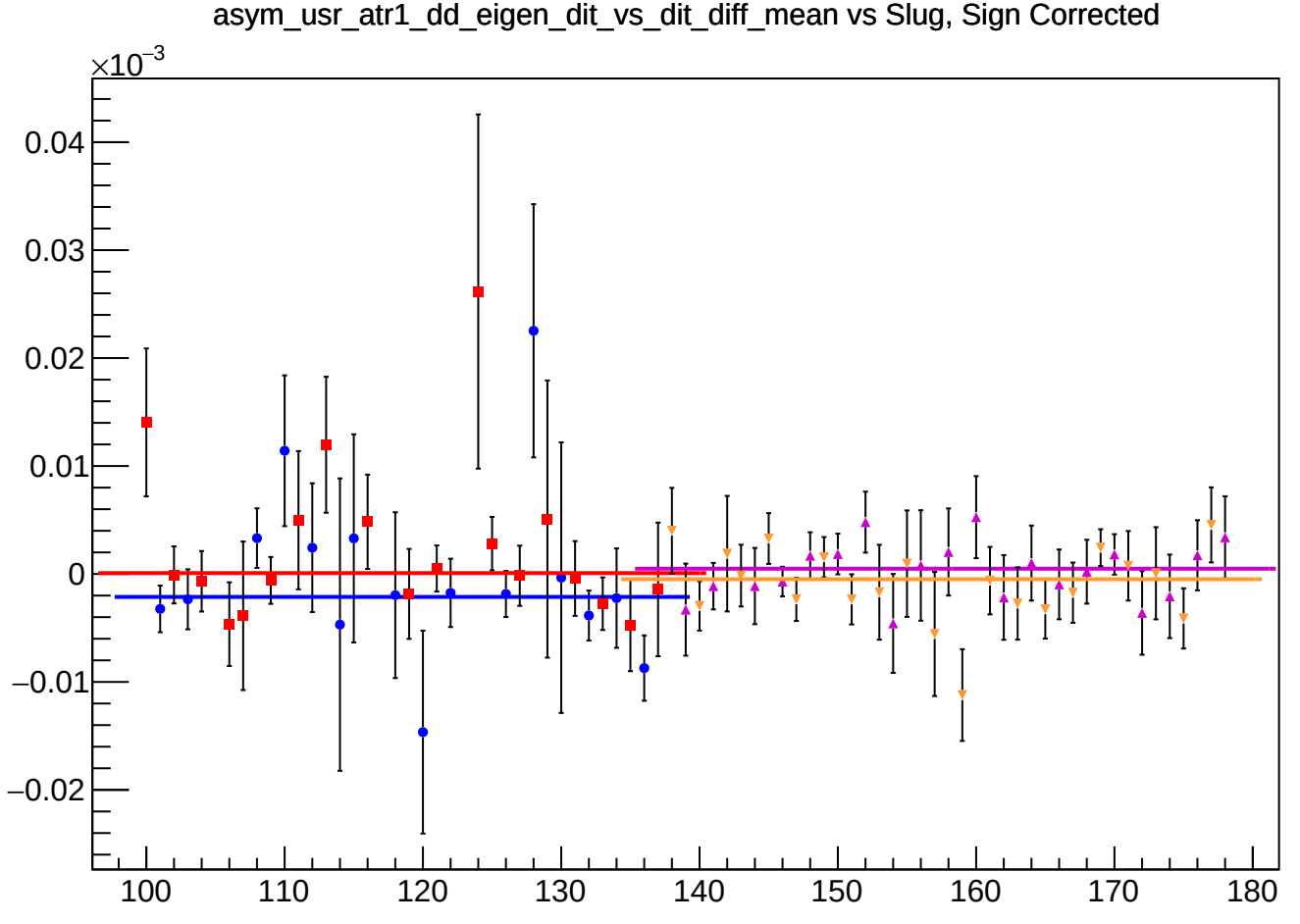
Left: 37.084+/-0.005 χ^2/NDF: 1650755.4/40

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 37.588+/-0.006 χ^2/NDF:2416494.7/35

Out: 36.999+/-0.006 χ^2/NDF:2920275.7/39

All: 37.289+/-0.004 χ^2/NDF: 5341654.9/75



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:11.9/19

Left: 0.000+/-0.000 χ^2/NDF: 37.0/40

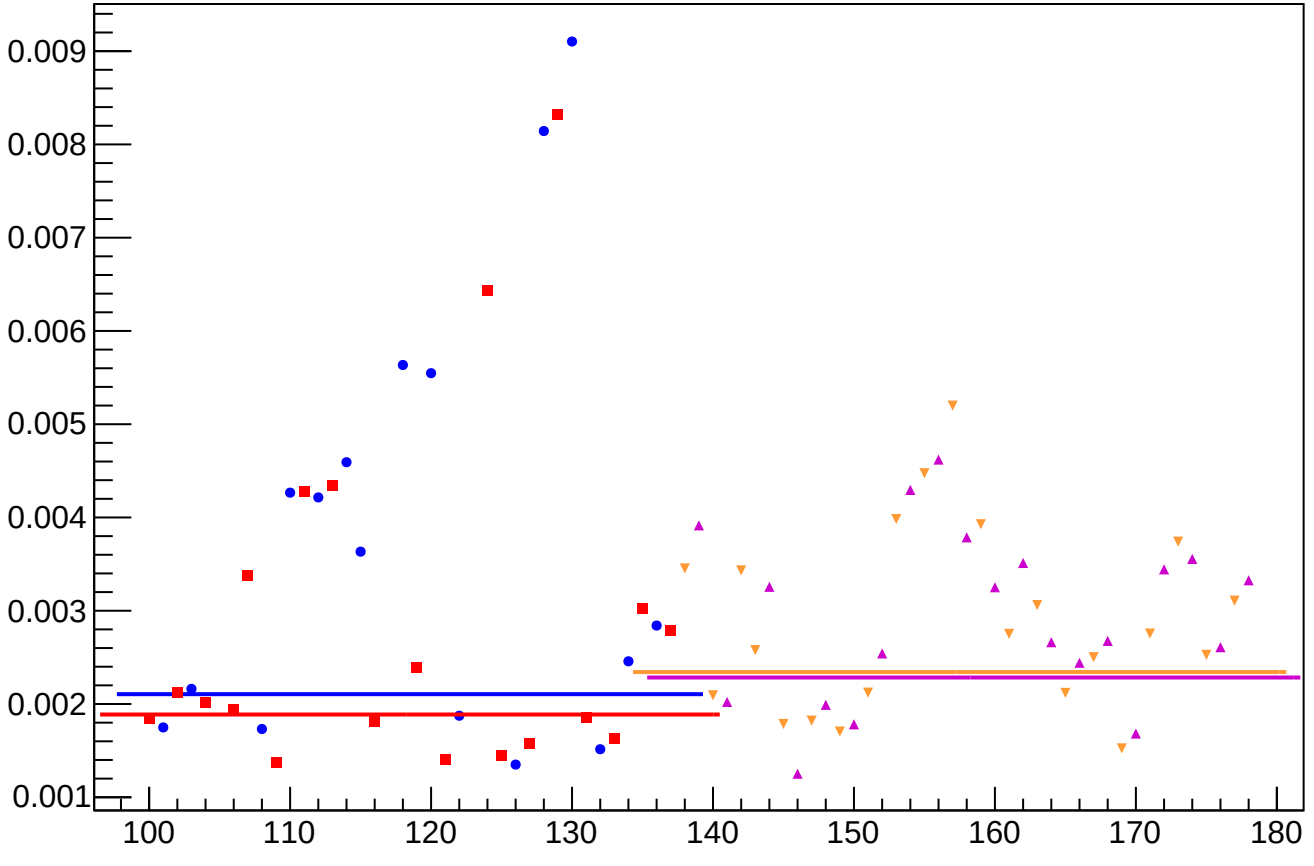
Right: -0.000+/-0.000 χ^2/NDF: 42.2/34

In: -0.000+/-0.000 χ^2/NDF:38.1/35

Out: -0.000+/-0.000 χ^2/NDF:42.6/39

All: -0.000+/-0.000 χ^2/NDF: 80.7/75

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:4045827.5/19

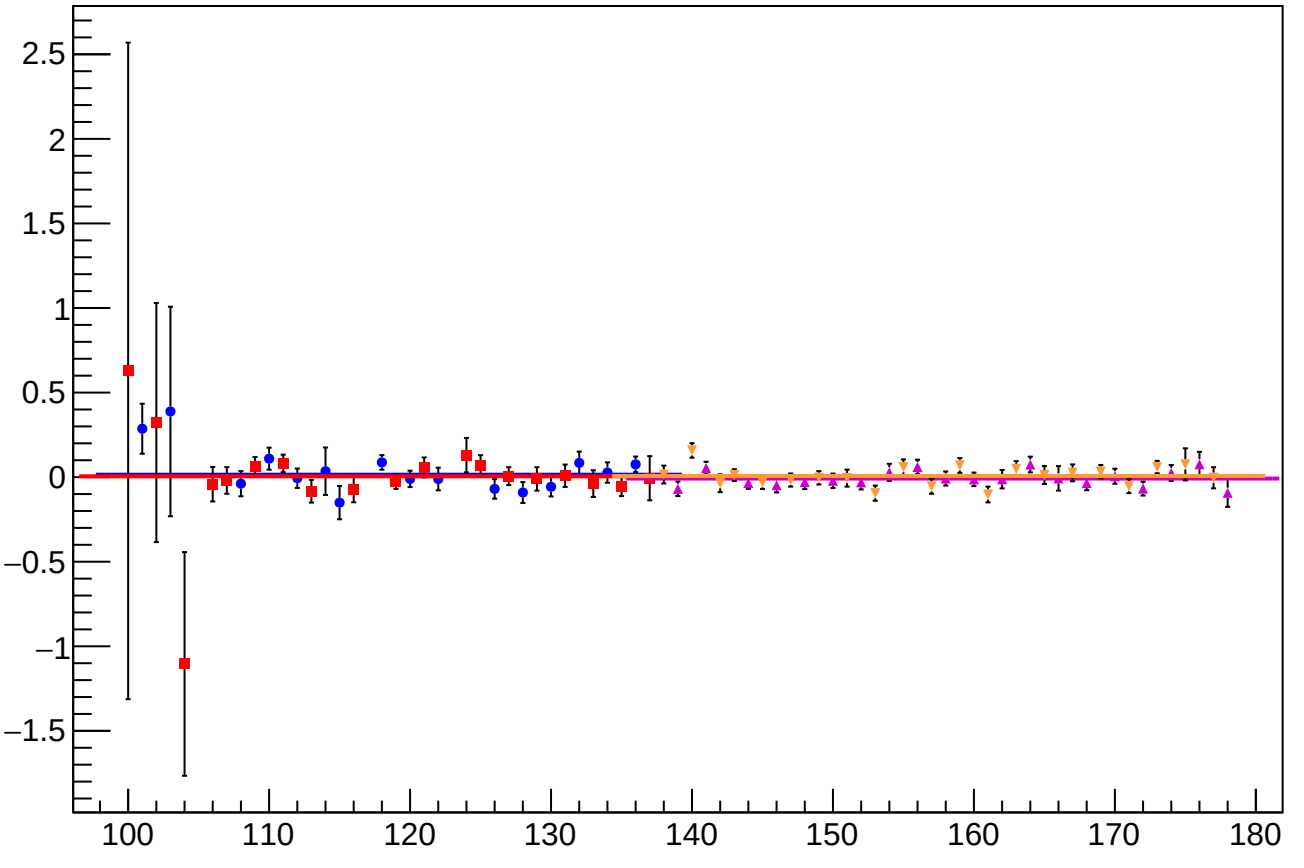
Left: 0.002+/-0.000 χ^2/NDF: 7217060.2/40

Right: 0.002+/-0.000 χ^2/NDF: 4976274.3/34

In: 0.002+/-0.000 χ^2/NDF:7117615.5/35

Out: 0.002+/-0.000 χ^2/NDF:5469325.5/39

All: 0.002+/-0.000 χ^2/NDF: 12599734.2/75



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: -0.008+/-0.010 χ^2/NDF:18.7/19

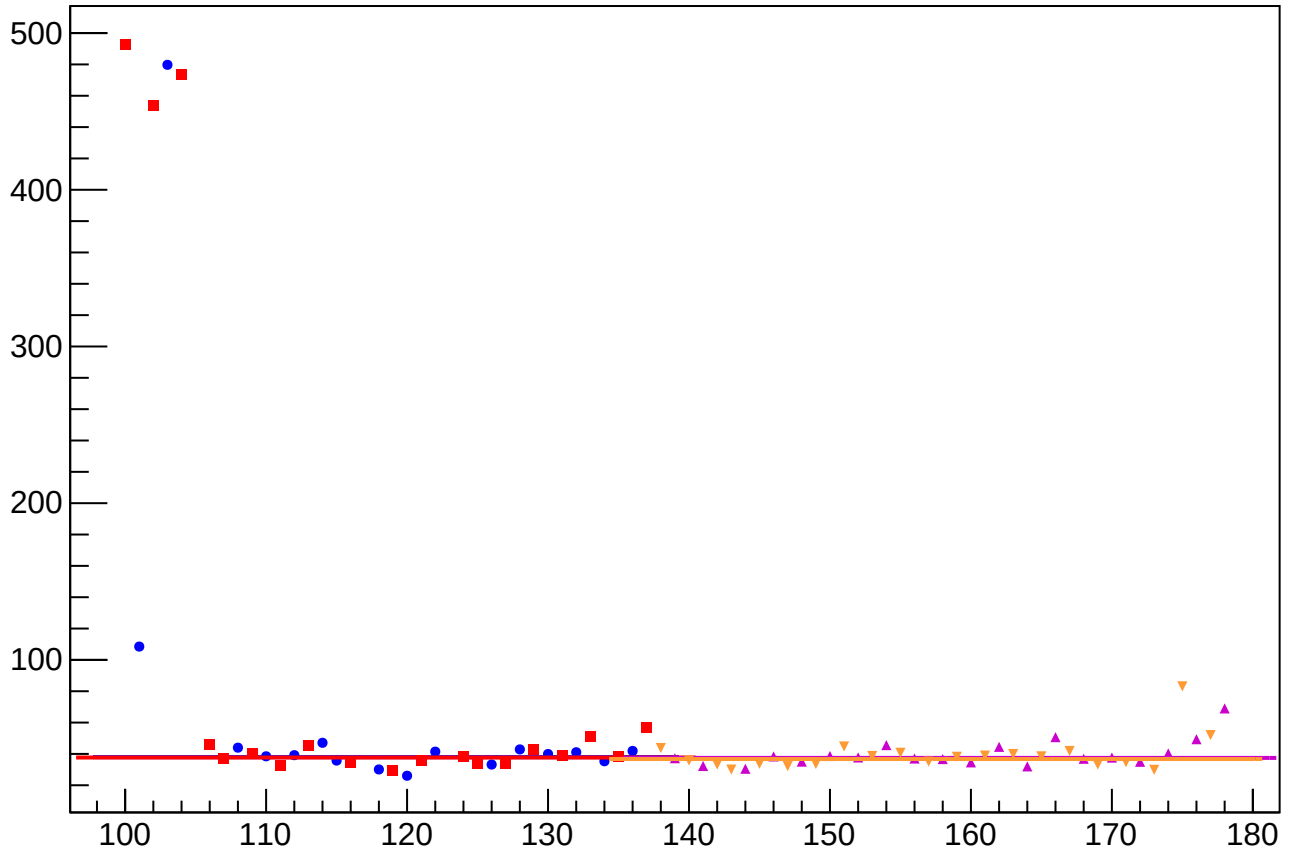
Left: -0.000+/-0.007 χ^2/NDF: 56.3/40

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.002+/-0.008 χ^2/NDF:42.1/35

Out: 0.006+/-0.008 χ^2/NDF:51.3/39

All: 0.002+/-0.006 χ^2/NDF: 94.0/75



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: 37.447+/-0.007 χ^2/NDF:675475.0/19

Left: 37.084+/-0.005 χ^2/NDF: 1650799.3/40

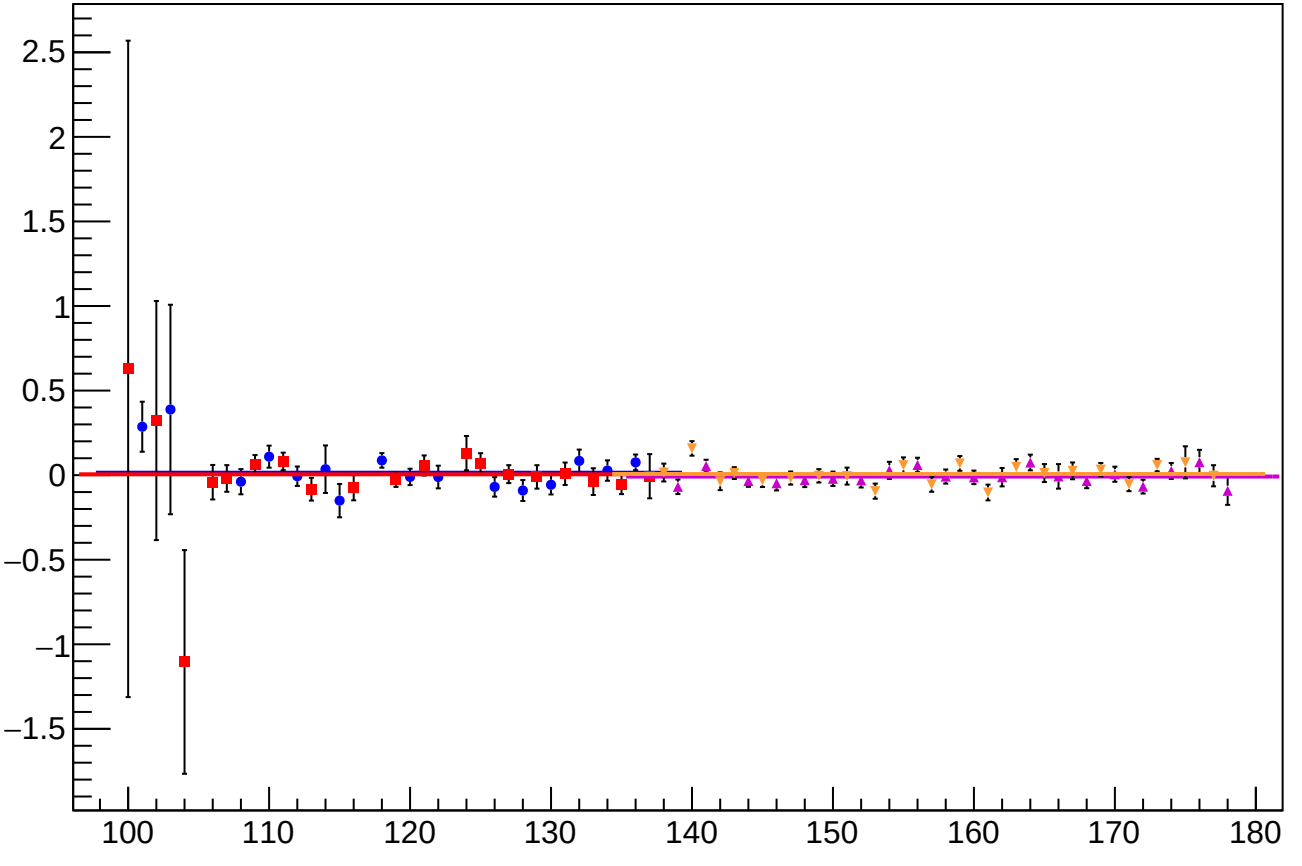
Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 37.588+/-0.006 χ^2/NDF:2416535.0/35

Out: 36.999+/-0.006 χ^2/NDF:2920358.5/39

All: 37.288+/-0.004 χ^2/NDF: 5341778.7/75

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: -0.008+/-0.010 χ^2/NDF:18.7/19

Left: -0.000+/-0.007 χ^2/NDF: 56.3/40

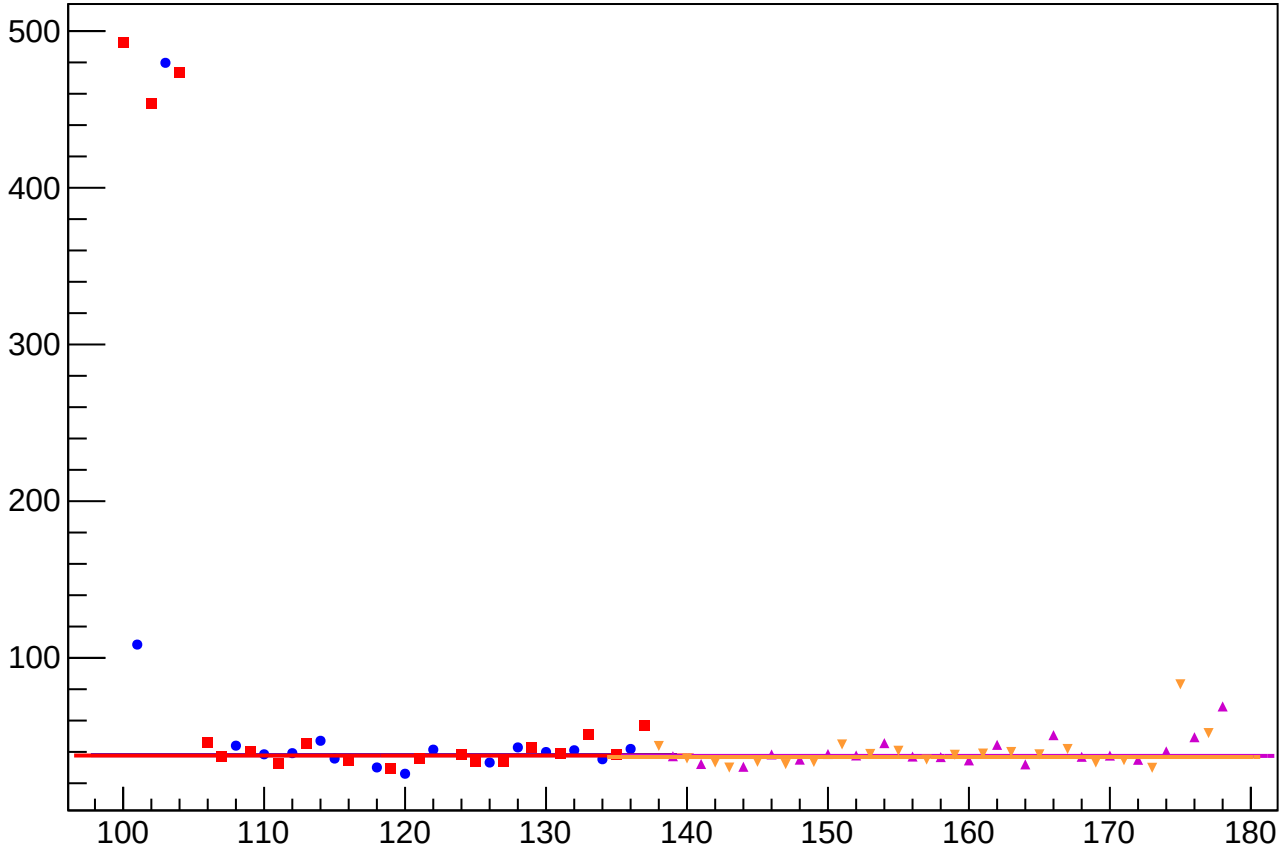
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.002+/-0.008 χ^2/NDF:42.1/35

Out: 0.006+/-0.008 χ^2/NDF:51.3/39

All: 0.002+/-0.006 χ^2/NDF: 94.0/75

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: 37.447+/-0.007 χ^2/NDF:675475.0/19

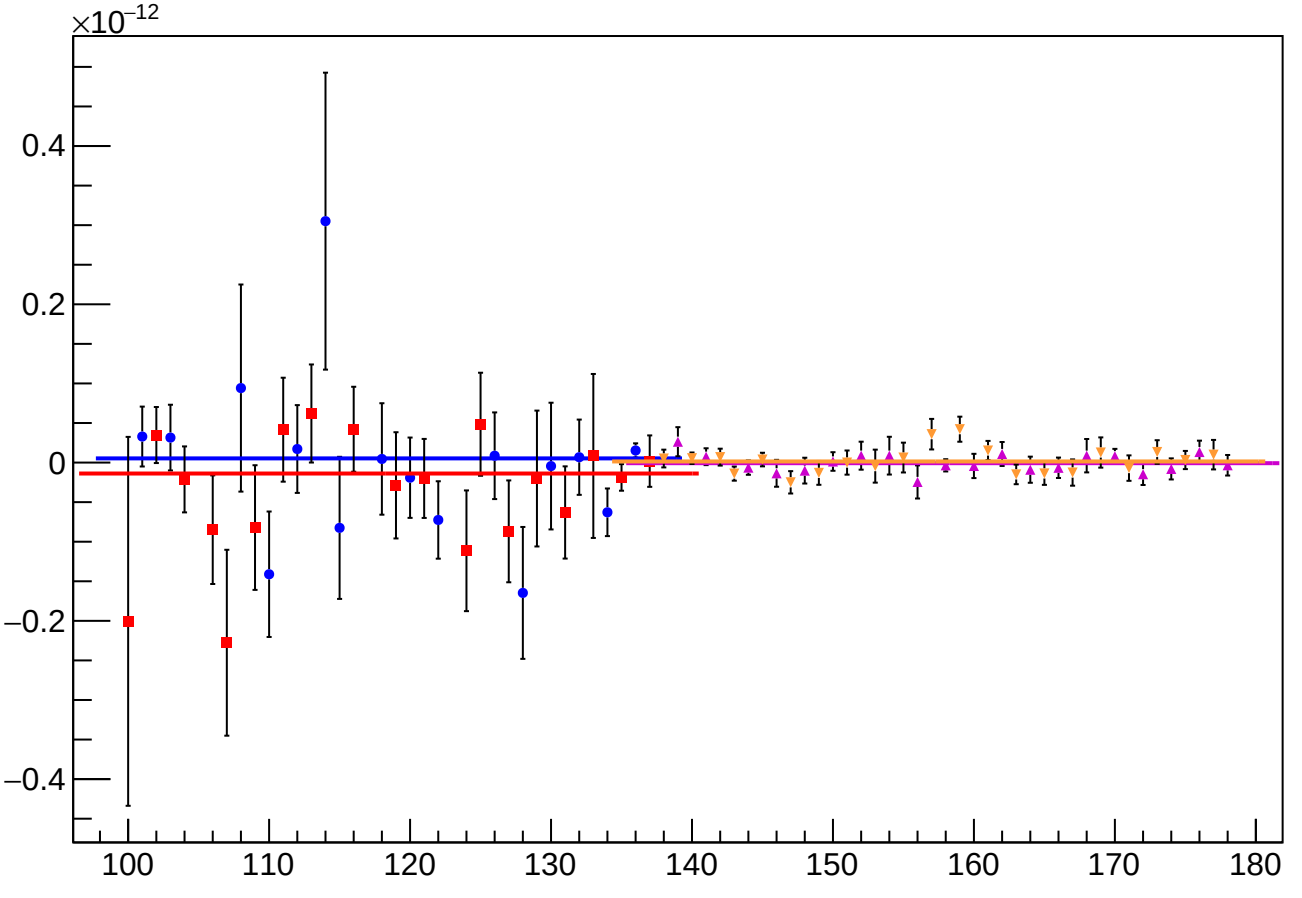
Left: 37.084+/-0.005 χ^2/NDF: 1650799.3/40

Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 37.588+/-0.006 χ^2/NDF:2416535.0/35

Out: 36.999+/-0.006 χ^2/NDF:2920358.5/39

All: 37.288+/-0.004 χ^2/NDF: 5341778.7/75



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:10.5/19

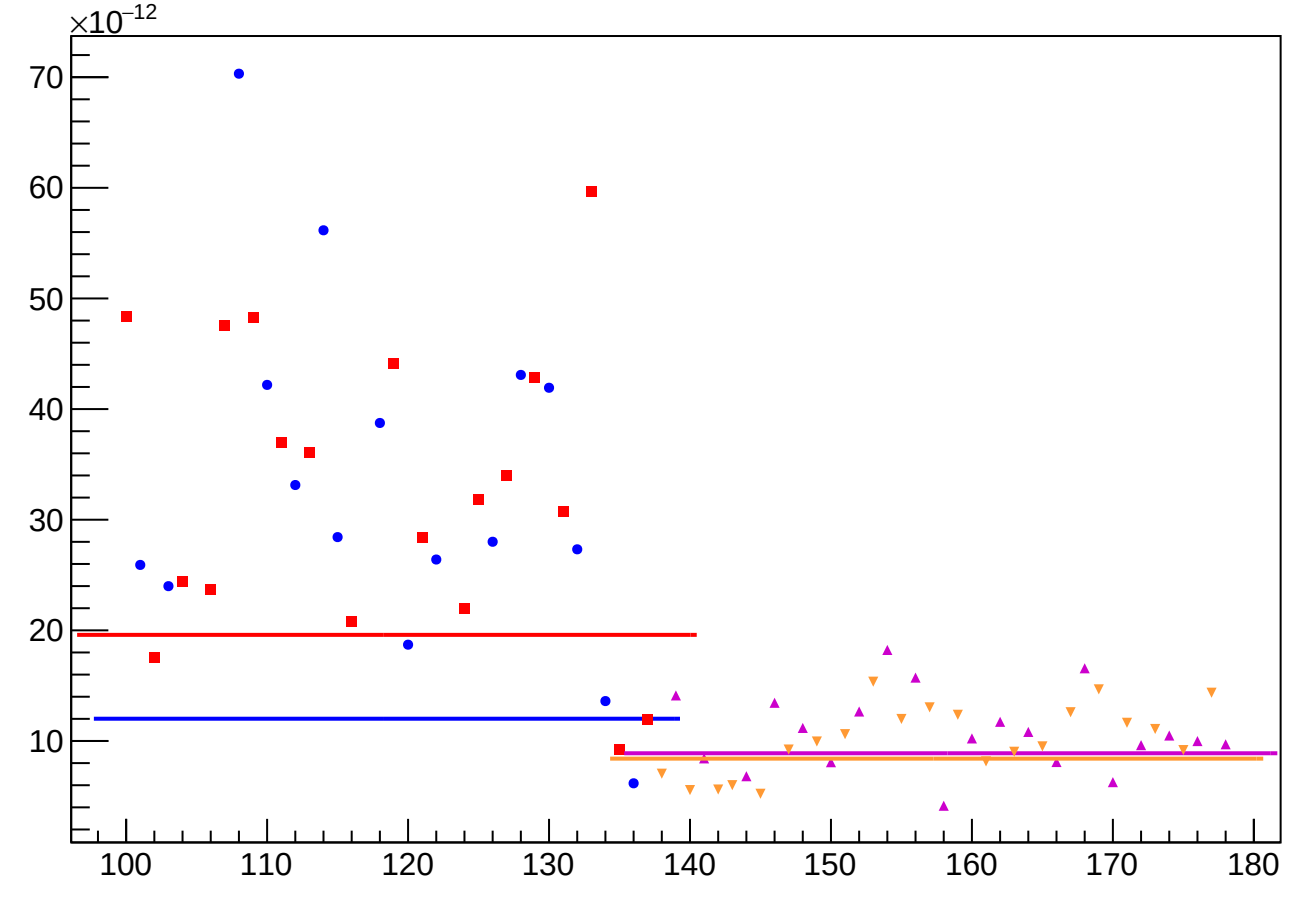
Left: 0.000+/-0.000 χ^2/NDF: 35.2/40

Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: 0.000+/-0.000 χ^2/NDF:32.7/35

Out: 0.000+/-0.000 χ^2/NDF:42.4/39

All: 0.000+/-0.000 χ^2/NDF: 75.1/75



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:2425502.0/19

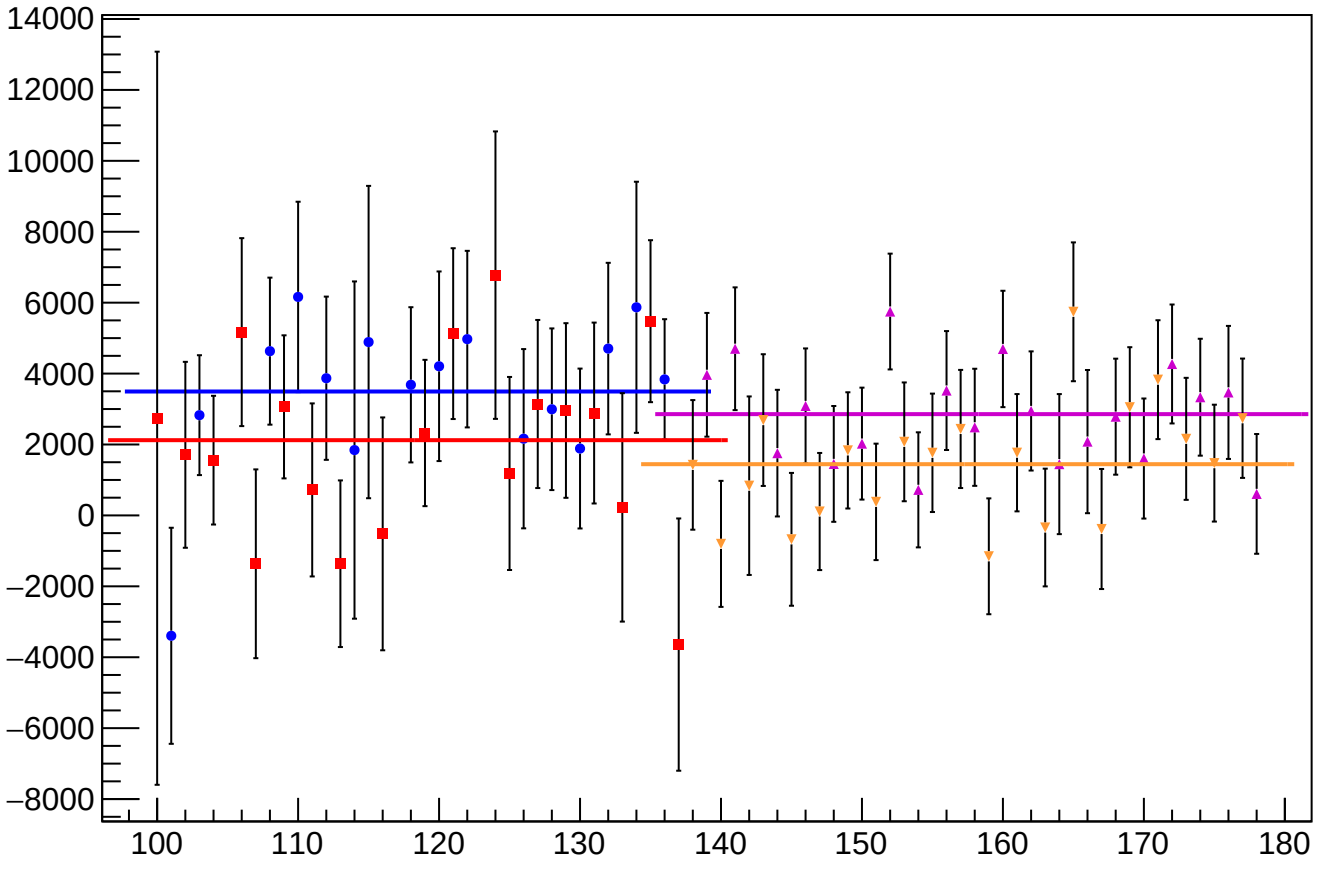
Left: 0.000+/-0.000 χ^2/NDF: 4671179.0/40

Right: 0.000+/-0.000 χ^2/NDF: 7170019.9/34

In: 0.000+/-0.000 χ^2/NDF:6591289.3/35

Out: 0.000+/-0.000 χ^2/NDF:6936972.9/39

All: 0.000+/-0.000 χ^2/NDF: 13532482.5/75



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: 2856.271+/-380.218 χ^2/NDF:13.2/19

Left: 2145.783+/-267.962 χ^2/NDF: 38.6/40

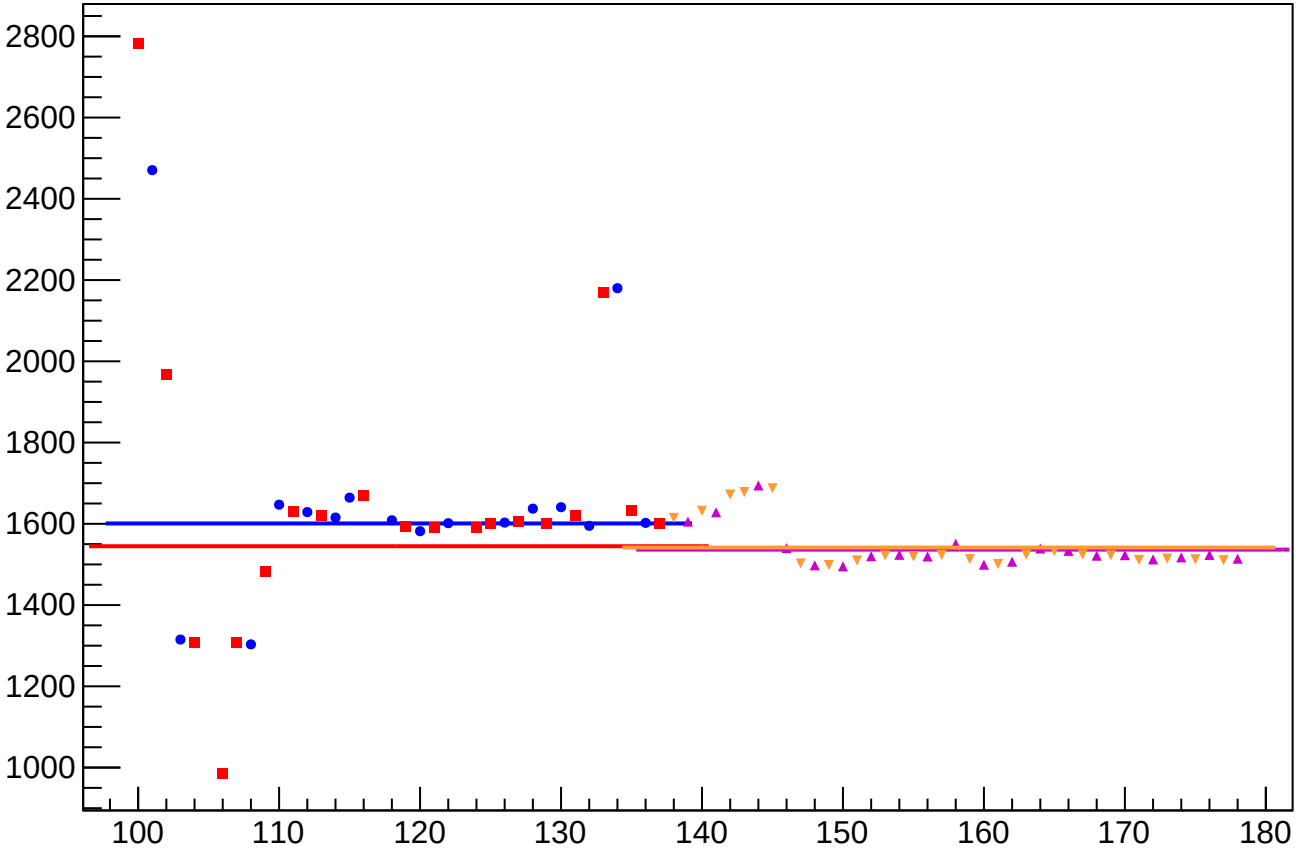
Right: 2792.384+/-420.223 χ^2/NDF: 26.6/34

In: 3038.584+/-321.344 χ^2/NDF:22.8/35

Out: 1642.603+/-317.730 χ^2/NDF:34.5/39

All: 2332.699+/-225.936 χ^2/NDF: 66.8/75

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: 1536.491+/-0.269 χ^2/NDF:30680.7/19

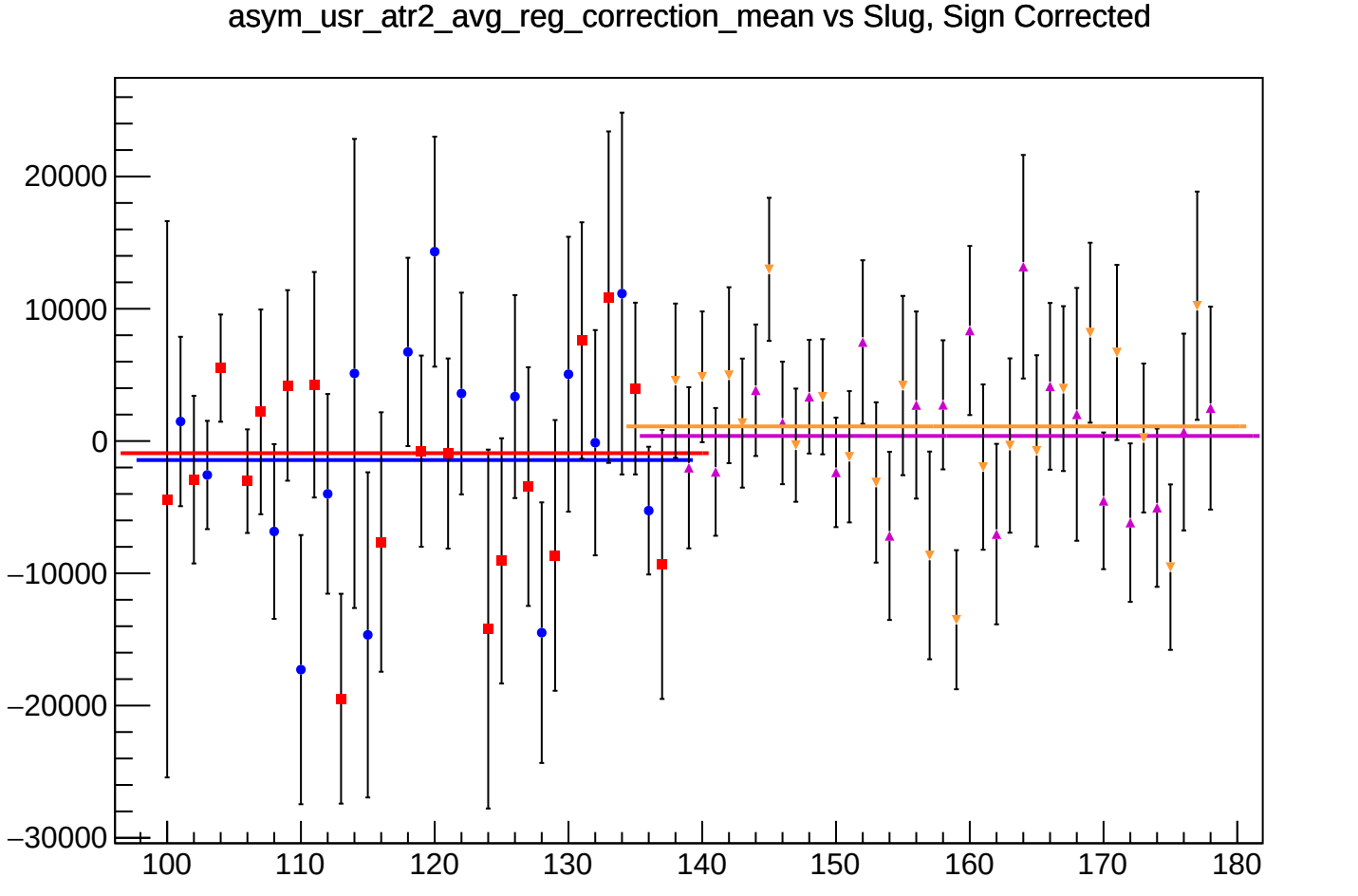
Left: 1539.065+/-0.189 χ^2/NDF: 76661.1/40

Right: 1571.734+/-0.295 χ^2/NDF: 702584.8/34

In: 1554.887+/-0.227 χ^2/NDF:364482.1/35

Out: 1542.564+/-0.224 χ^2/NDF:421968.7/39

All: 1548.625+/-0.159 χ^2/NDF: 787945.5/75



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: 383.557+/-1283.899 χ^2/NDF:13.4/19

Left: 751.836+/-900.341 χ^2/NDF: 36.6/40

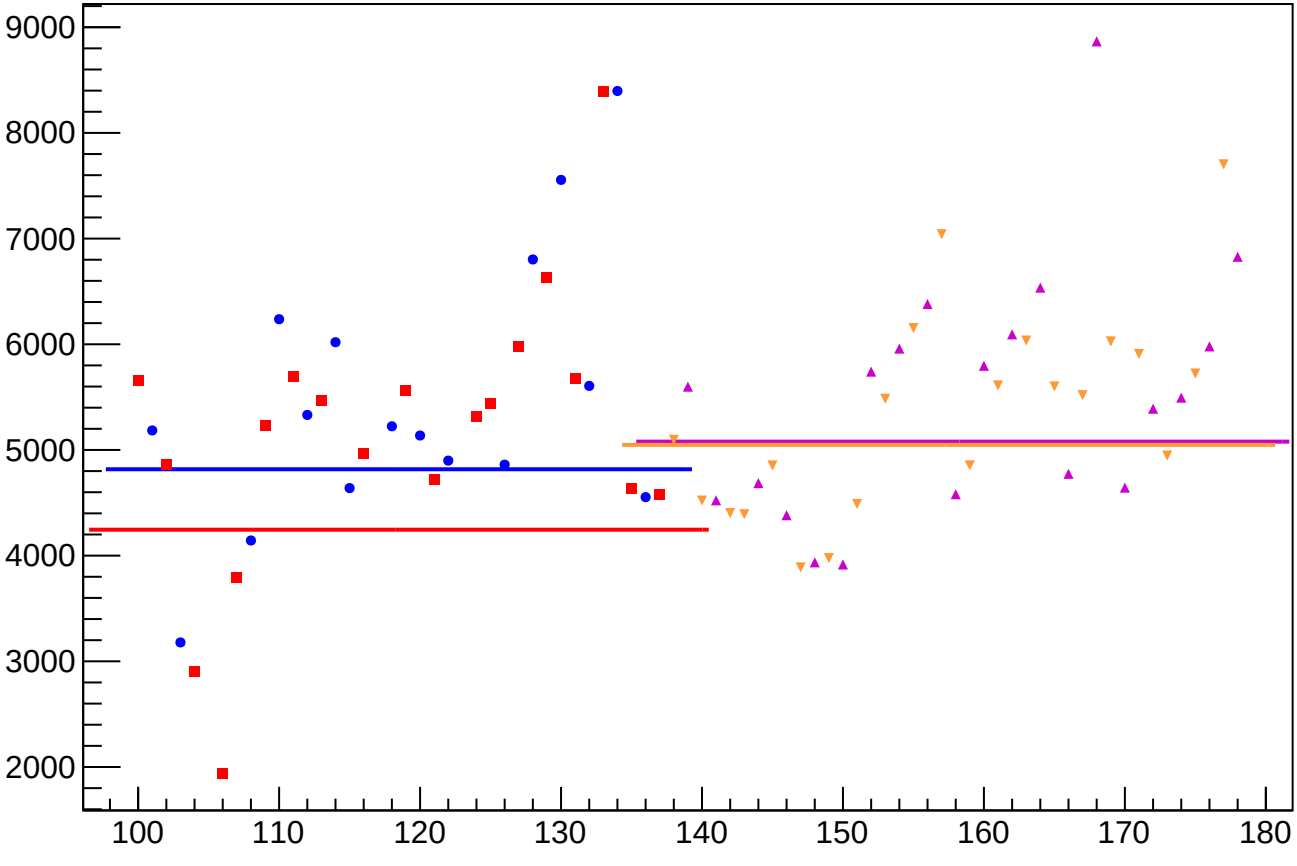
Right: -1151.477+/-1238.823 χ^2/NDF: 29.2/34

In: -209.030+/-1054.458 χ^2/NDF:27.9/35

Out: 370.422+/-1007.148 χ^2/NDF:39.3/39

All: 93.986+/-728.312 χ^2/NDF: 67.4/75

asym_usr_atr2_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 4817.344+/-1.307 χ^2/NDF: 795431.1/15

Left Out: 5047.972+/-0.893 χ^2/NDF:941604.2/20

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

Left In: 5078.865+/-0.908 χ^2/NDF:1158045.4/19

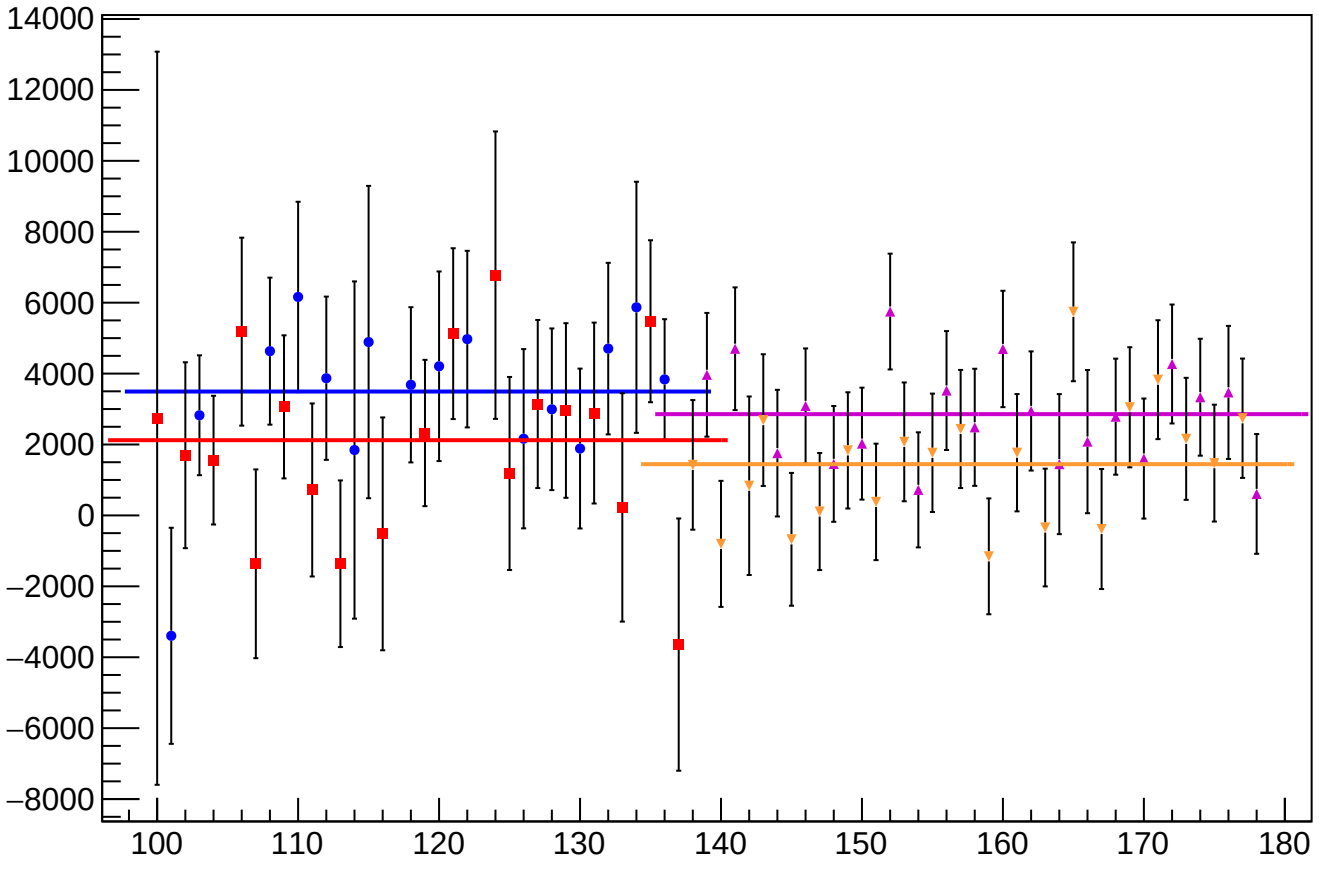
Left: 5063.163+/-0.637 χ^2/NDF: 2100238.1/40

Right: 4502.414+/-0.876 χ^2/NDF: 2584018.5/34

In: 4993.746+/-0.746 χ^2/NDF:1980485.0/35

Out: 4755.865+/-0.712 χ^2/NDF:2918688.8/39

All: 4869.349+/-0.515 χ^2/NDF: 4952401.5/75



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: 2856.183+/-380.218 χ^2/NDF:13.2/19

Left: 2145.693+/-267.962 χ^2/NDF: 38.6/40

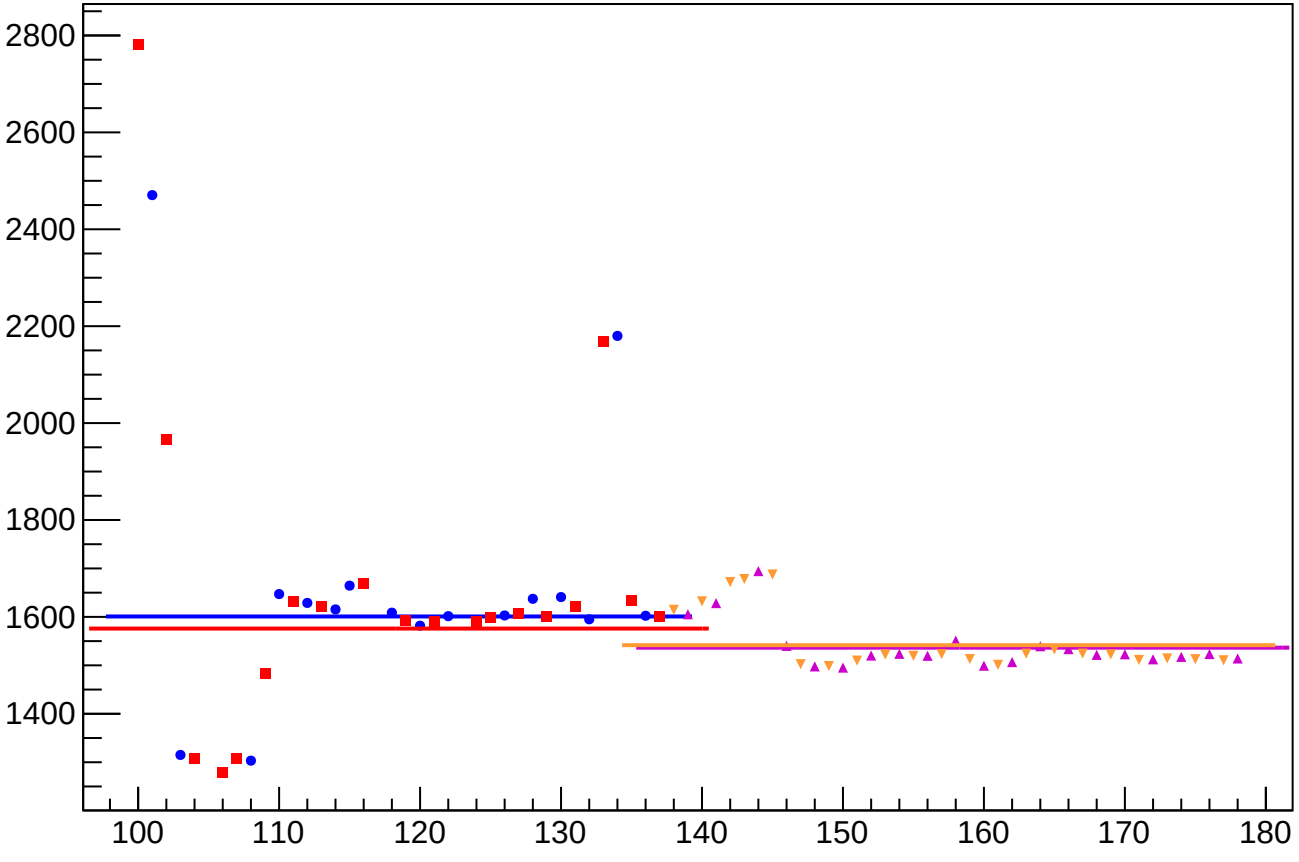
Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3038.426+/-321.344 χ^2/NDF:22.8/35

Out: 1642.535+/-317.730 χ^2/NDF:34.5/39

All: 2332.587+/-225.936 χ^2/NDF: 66.8/75

cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



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: 1536.491+/-0.269 χ^2/NDF:30680.7/19

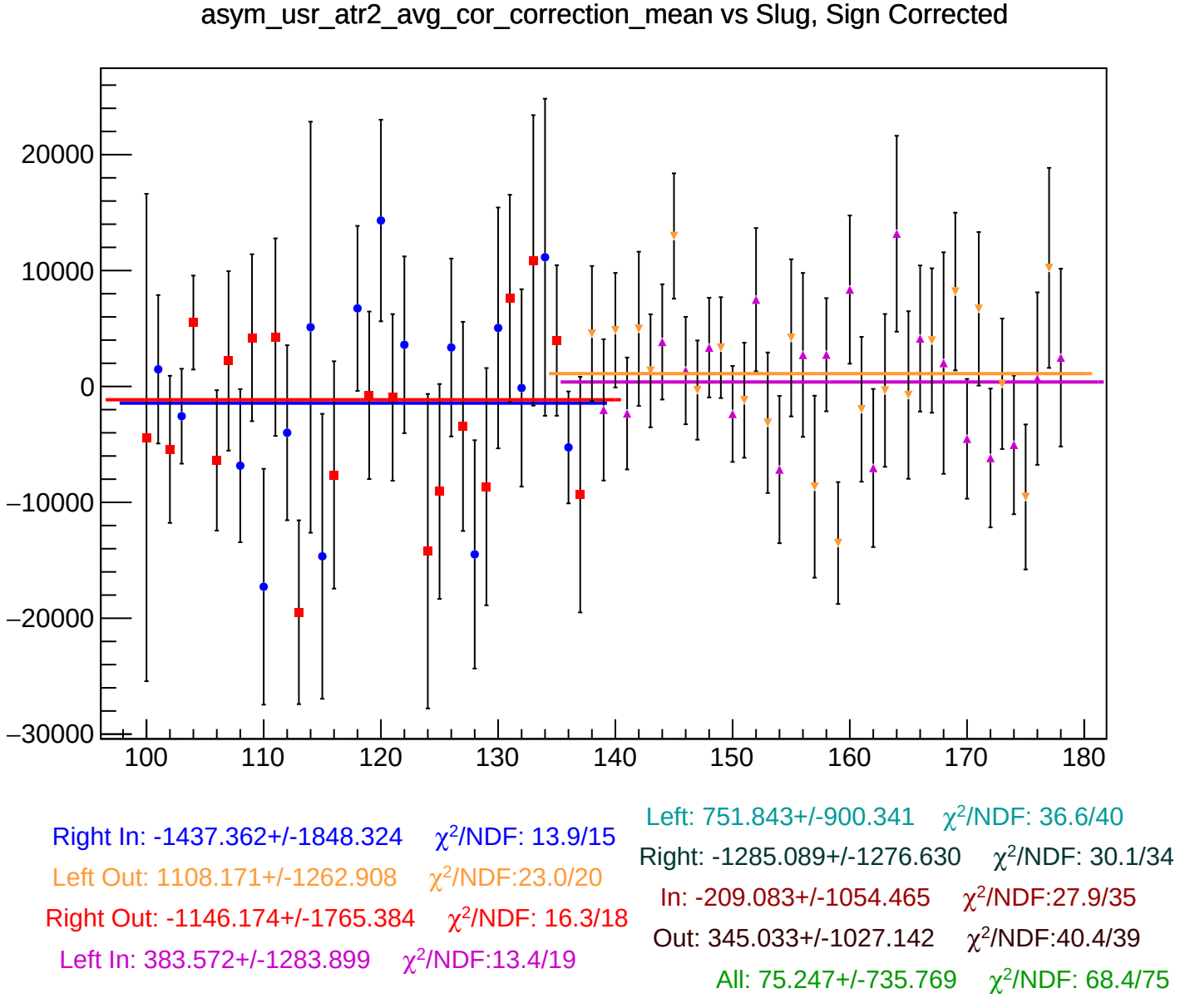
Left: 1539.065+/-0.189 χ^2/NDF: 76661.1/40

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

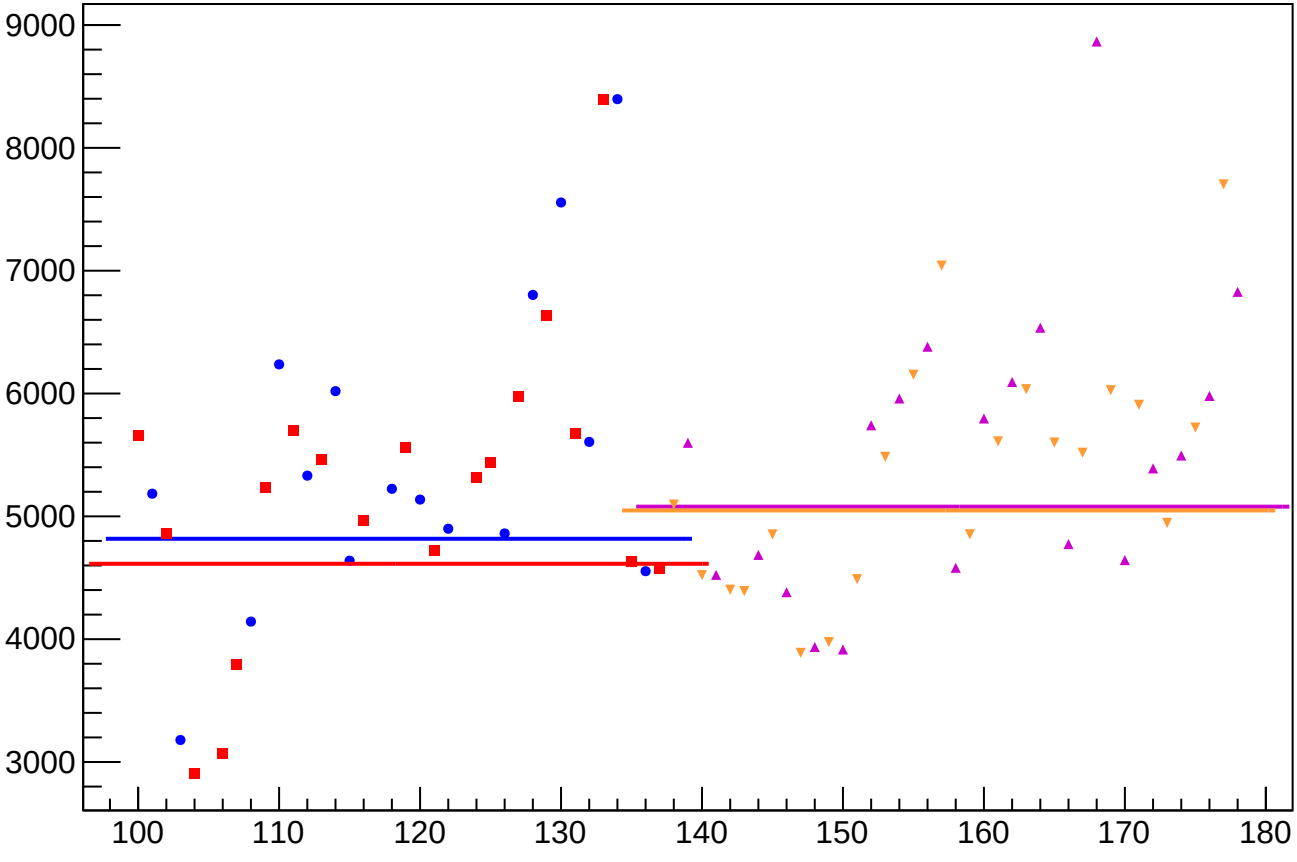
In: 1554.887+/-0.227 χ^2/NDF:364481.3/35

Out: 1551.687+/-0.224 χ^2/NDF:293978.1/39

All: 1553.268+/-0.160 χ^2/NDF: 658559.8/75


asym_usr_atr2_avg_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: 383.572+/-1283.899 χ²/NDF:13.4/19
Left: 751.843+/-900.341 χ²/NDF: 36.6/40
Right: -1285.089+/-1276.630 χ²/NDF: 30.1/34
In: -209.083+/-1054.465 χ²/NDF:27.9/35
Out: 345.033+/-1027.142 χ²/NDF:40.4/39
All: 75.247+/-735.769 χ²/NDF: 68.4/75

asym_usr_atr2_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 5047.961+/-0.893 χ^2/NDF:941614.2/20

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 5078.864+/-0.908 χ^2/NDF:1158048.0/19

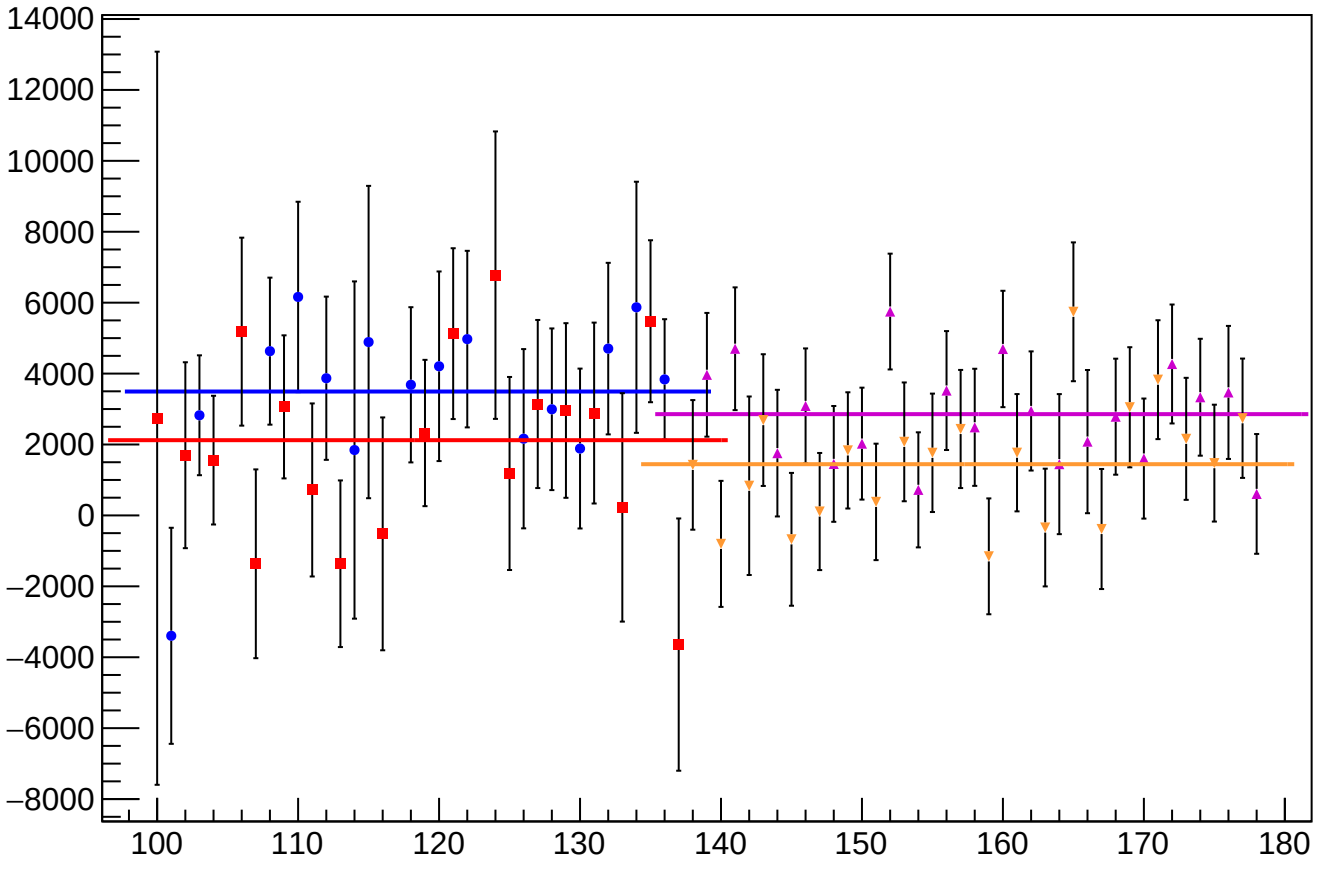
Left: 5063.158+/-0.637 χ^2/NDF: 2100251.1/40

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4993.792+/-0.746 χ^2/NDF:1980260.9/35

Out: 4901.007+/-0.726 χ^2/NDF:1999568.7/39

All: 4946.182+/-0.520 χ^2/NDF: 3987775.5/75



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: 2856.183+/-380.218 χ^2/NDF:13.2/19

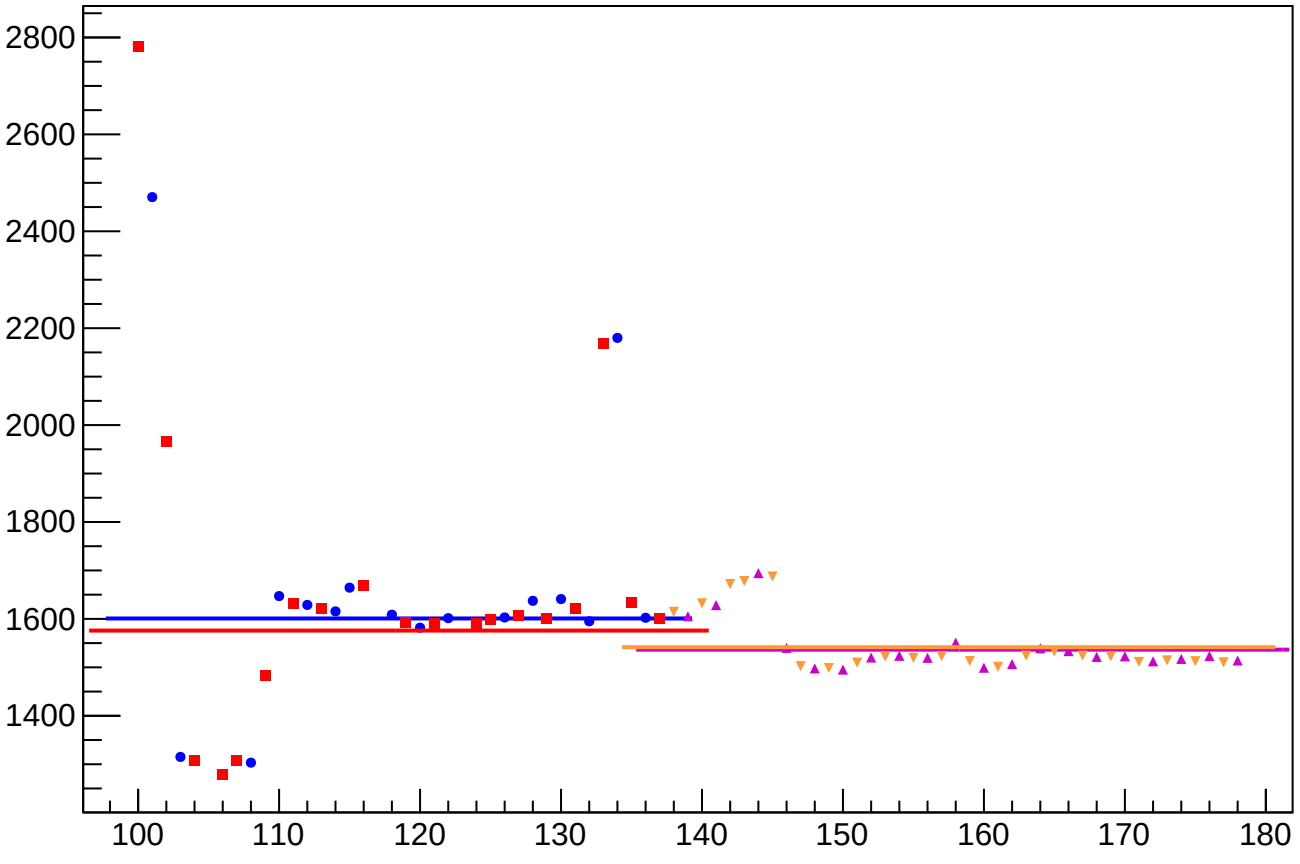
Left: 2145.693+/-267.962 χ^2/NDF: 38.6/40

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3038.426+/-321.344 χ^2/NDF:22.8/35

Out: 1642.535+/-317.730 χ^2/NDF:34.5/39

All: 2332.587+/-225.936 χ^2/NDF: 66.8/75



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: 1536.491+/-0.269 χ^2/NDF:30680.7/19

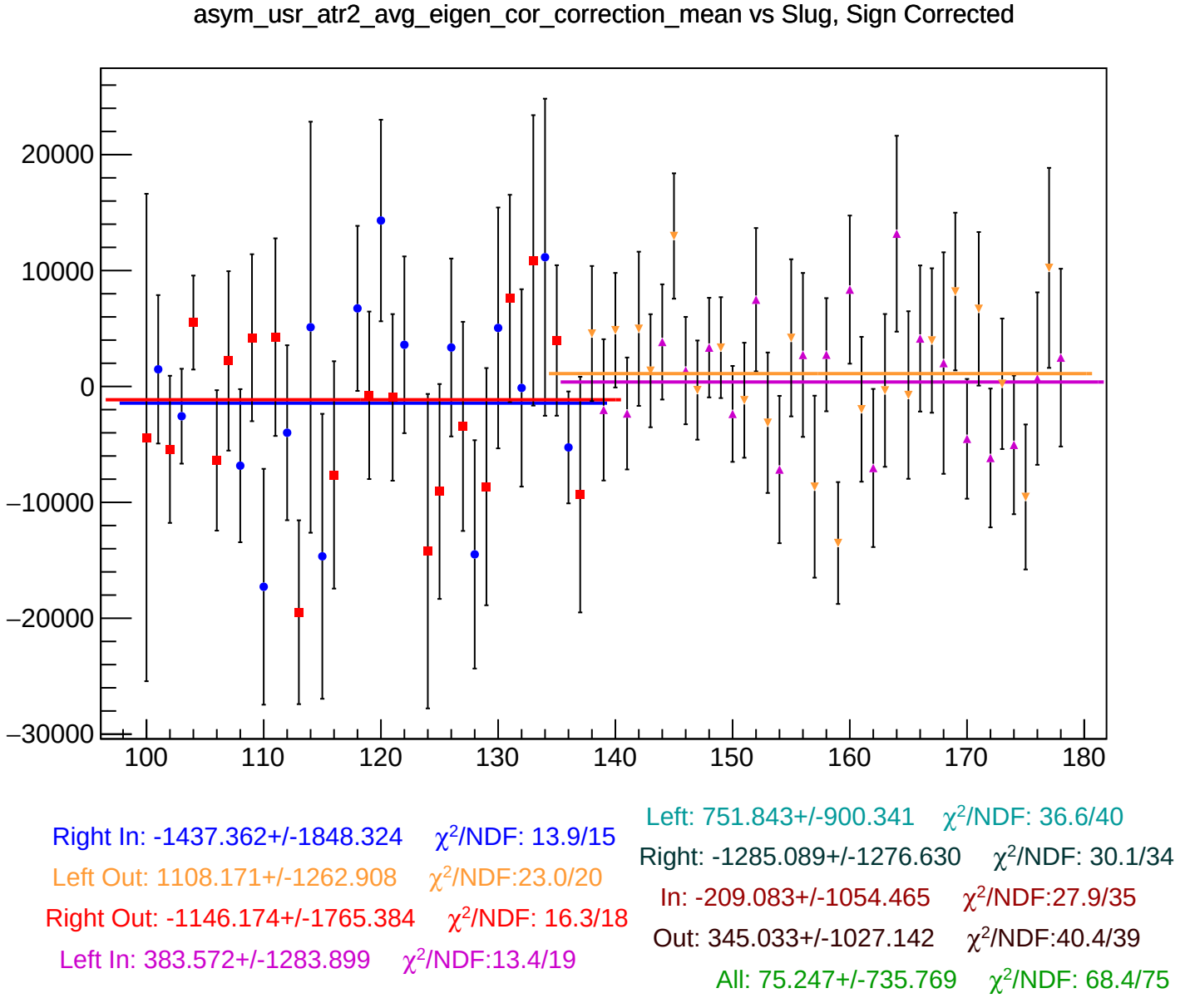
Left: 1539.065+/-0.189 χ^2/NDF: 76661.1/40

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

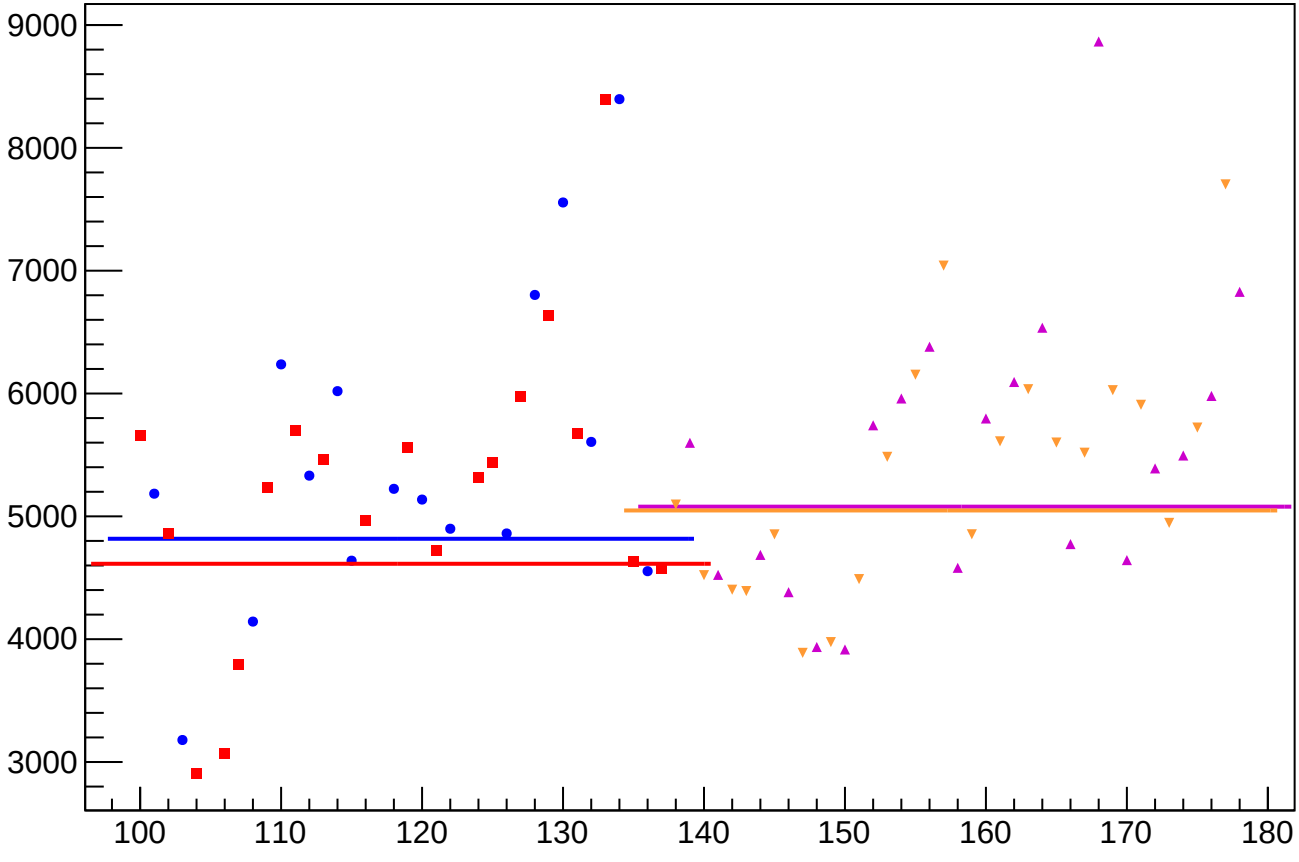
In: 1554.887+/-0.227 χ^2/NDF:364481.3/35

Out: 1551.687+/-0.224 χ^2/NDF:293978.1/39

All: 1553.268+/-0.160 χ^2/NDF: 658559.8/75


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: 383.572+/-1283.899 χ²/NDF:13.4/19
Left: 751.843+/-900.341 χ²/NDF: 36.6/40
Right: -1285.089+/-1276.630 χ²/NDF: 30.1/34
In: -209.083+/-1054.465 χ²/NDF:27.9/35
Out: 345.033+/-1027.142 χ²/NDF:40.4/39
All: 75.247+/-735.769 χ²/NDF: 68.4/75

asym_usr_atr2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 5047.961+/-0.893 χ^2/NDF:941614.2/20

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 5078.864+/-0.908 χ^2/NDF:1158048.0/19

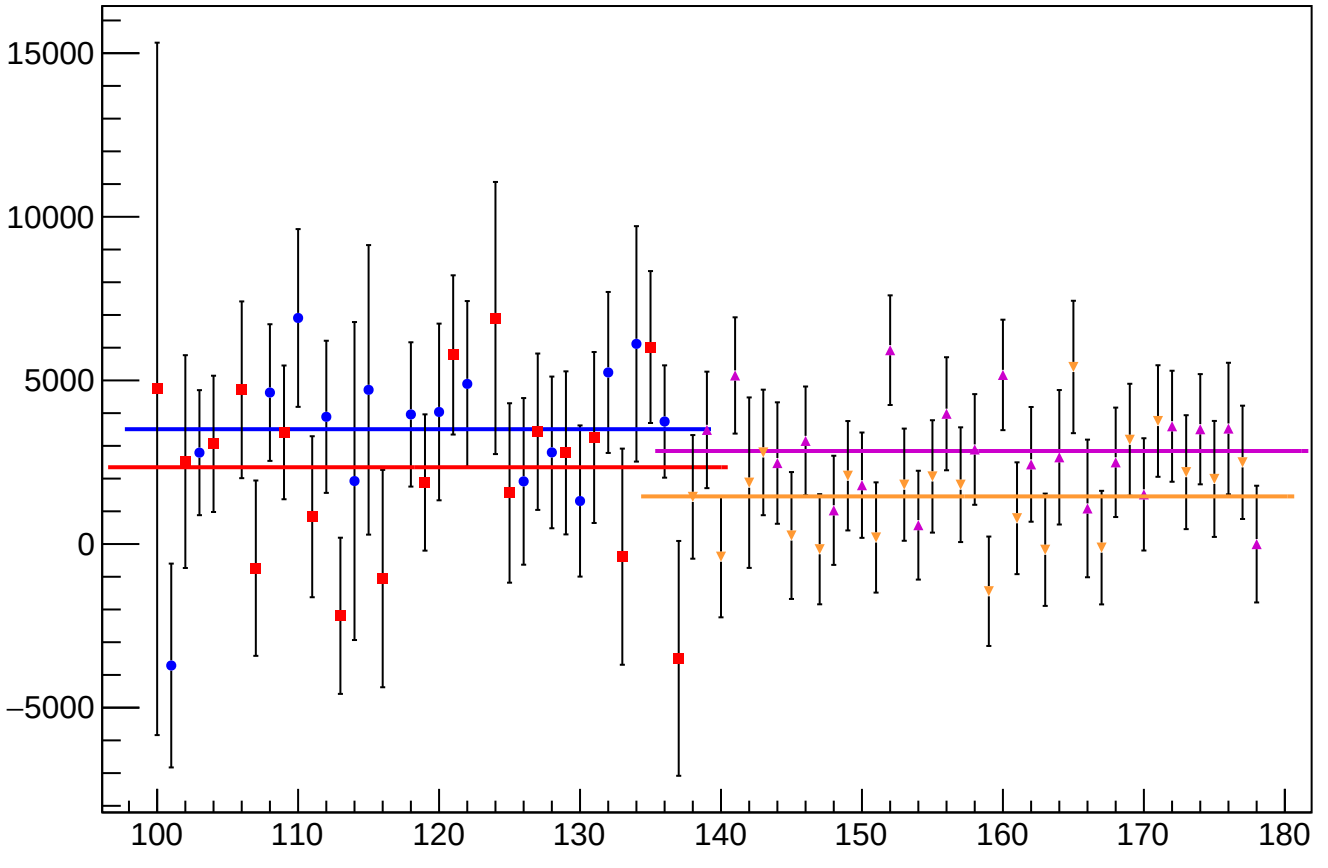
Left: 5063.158+/-0.637 χ^2/NDF: 2100251.1/40

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4993.792+/-0.746 χ^2/NDF:1980260.9/35

Out: 4901.007+/-0.726 χ^2/NDF:1999568.7/39

All: 4946.182+/-0.520 χ^2/NDF: 3987775.5/75



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: 2843.197+/-391.286 χ^2/NDF:15.5/19

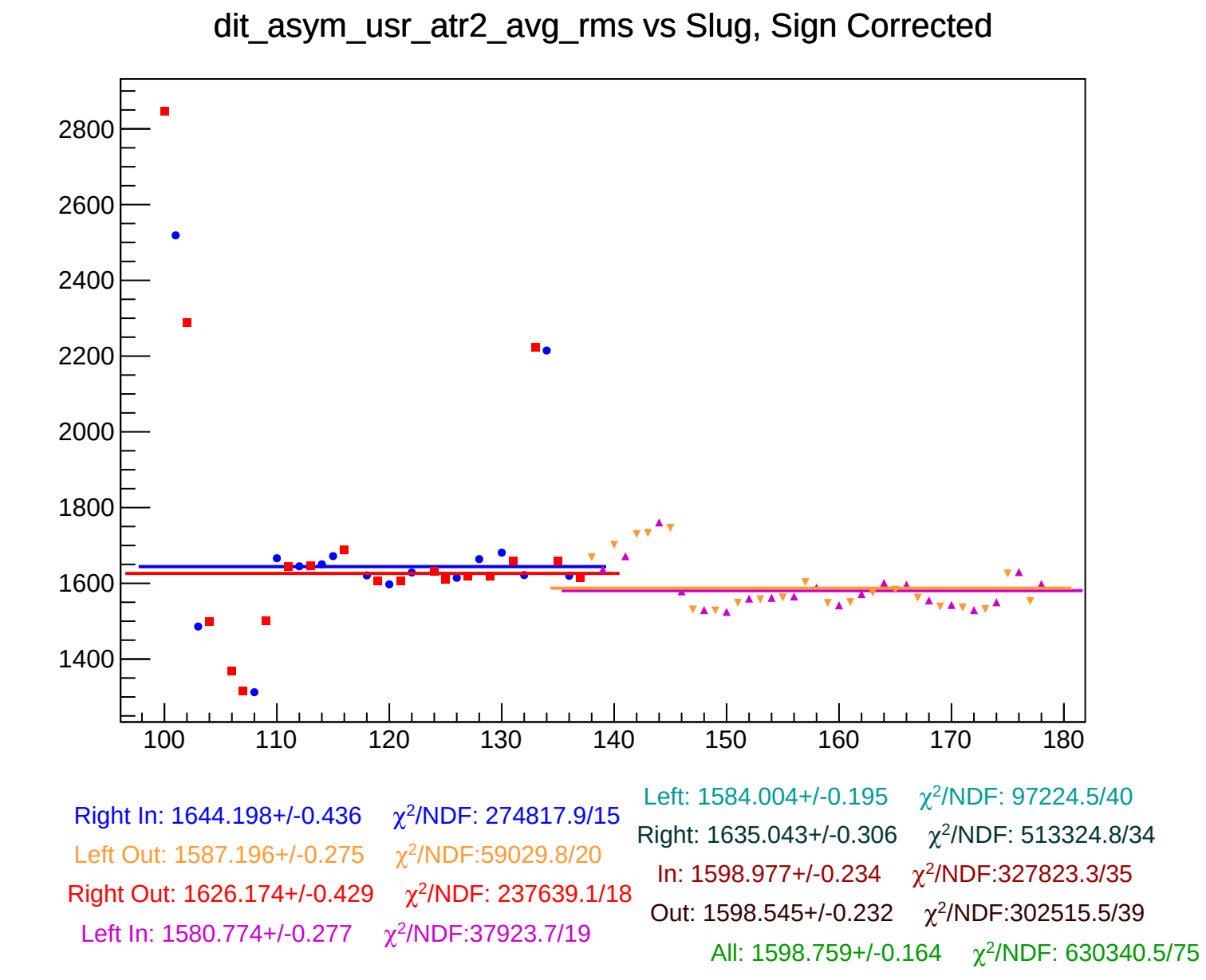
Left: 2145.383+/-275.871 χ^2/NDF: 37.7/40

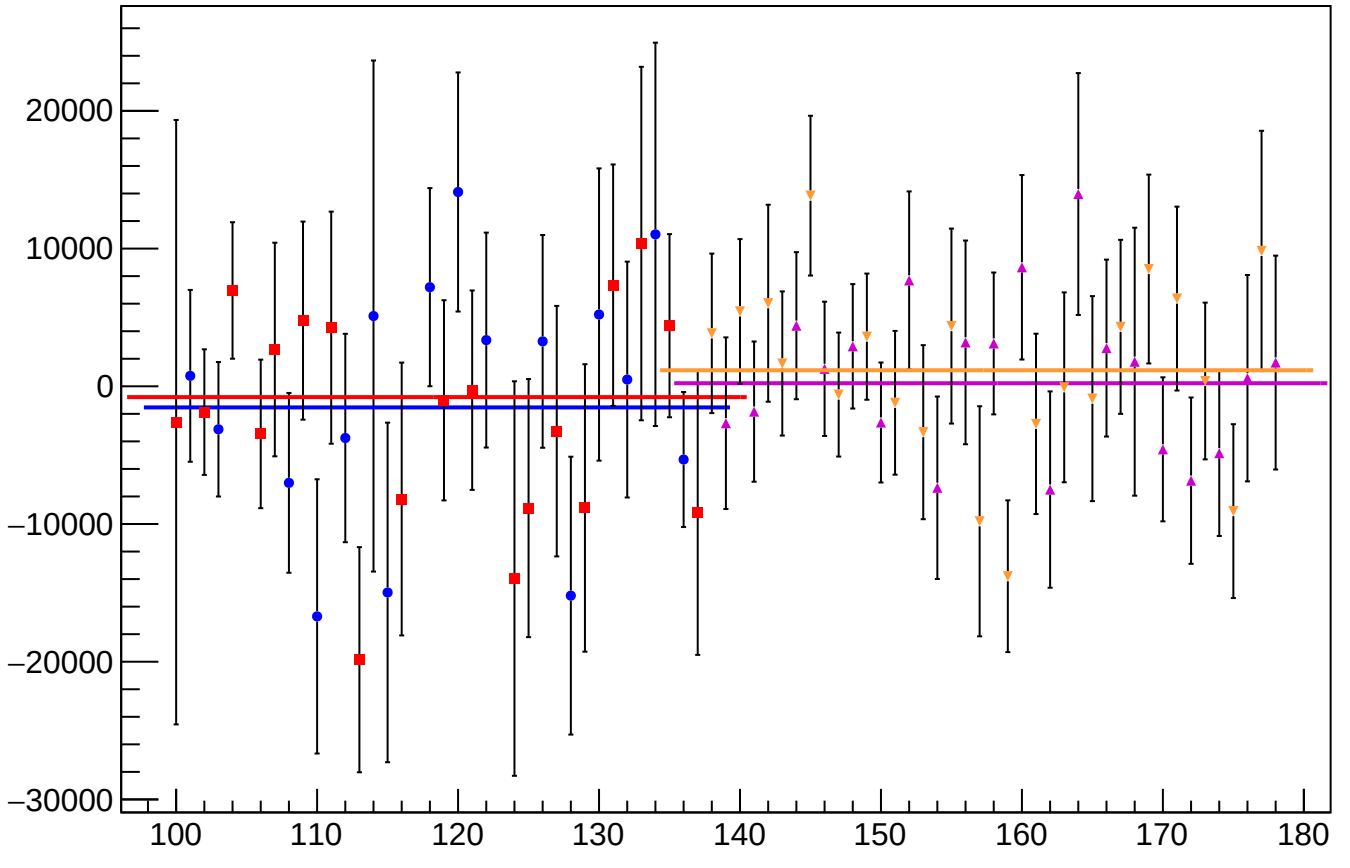
Right: 2919.425+/-432.793 χ^2/NDF: 29.3/34

In: 3034.432+/-330.397 χ^2/NDF:26.7/35

Out: 1714.831+/-327.598 χ^2/NDF:34.5/39

All: 2369.017+/-232.630 χ^2/NDF: 69.3/75


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: 274817.9/15
Left Out: 1587.196+/-0.275 χ²/NDF:59029.8/20
Right Out: 1626.174+/-0.429 χ²/NDF: 237639.1/18
Left In: 1580.774+/-0.277 χ²/NDF:37923.7/19
Left: 1584.004+/-0.195 χ²/NDF: 97224.5/40
Right: 1635.043+/-0.306 χ²/NDF: 513324.8/34
In: 1598.977+/-0.234 χ²/NDF:327823.3/35
Out: 1598.545+/-0.232 χ²/NDF:302515.5/39
All: 1598.759+/-0.164 χ²/NDF: 630340.5/75



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: 223.679+/-1334.459 χ^2/NDF:13.3/19

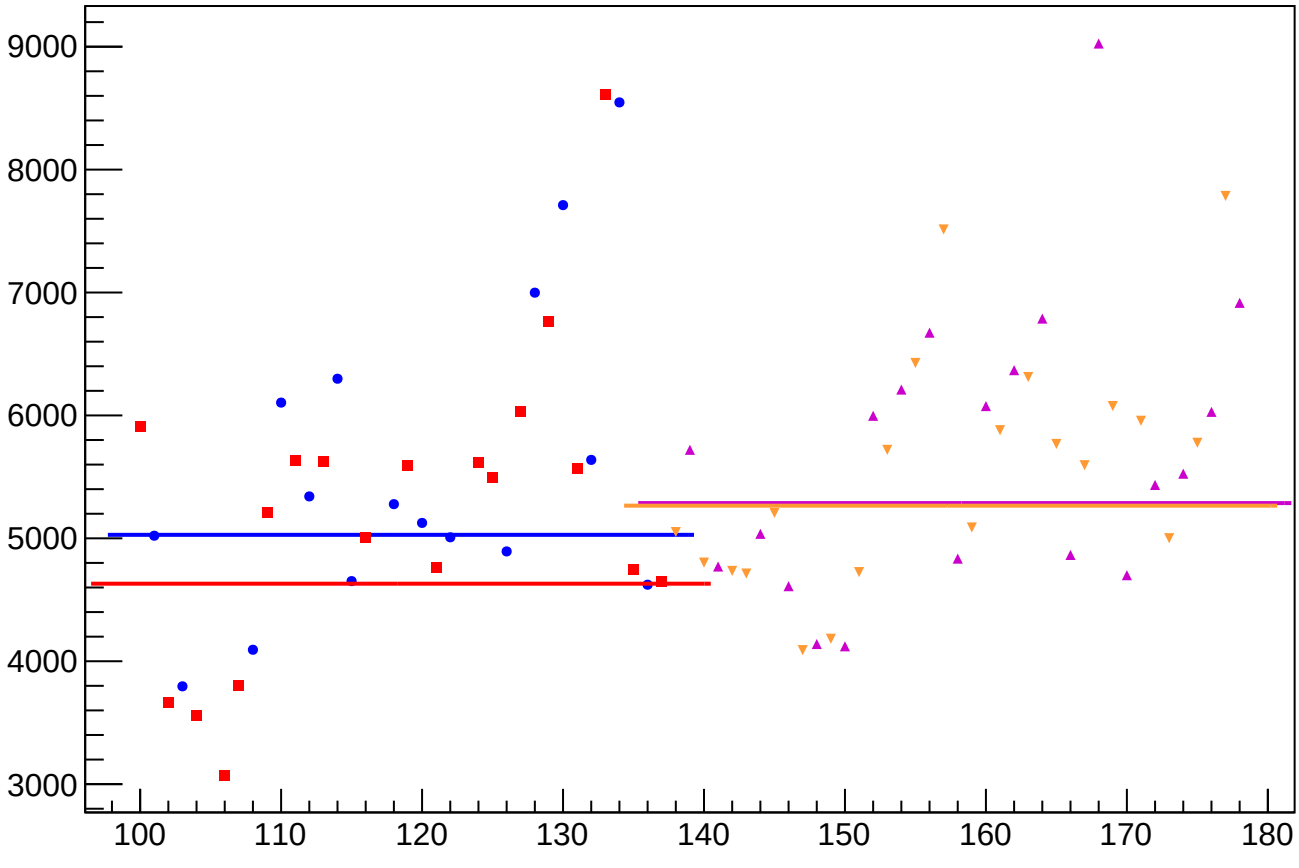
Left: 701.537+/-936.715 χ^2/NDF: 36.2/40

Right: -1124.500+/-1290.893 χ^2/NDF: 29.0/34

In: -350.718+/-1094.627 χ^2/NDF:27.7/35

Out: 461.144+/-1051.060 χ^2/NDF:38.5/39

All: 71.691+/-758.146 χ^2/NDF: 66.5/75



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: 5286.724+/-0.944 χ^2/NDF:1067073.2/19

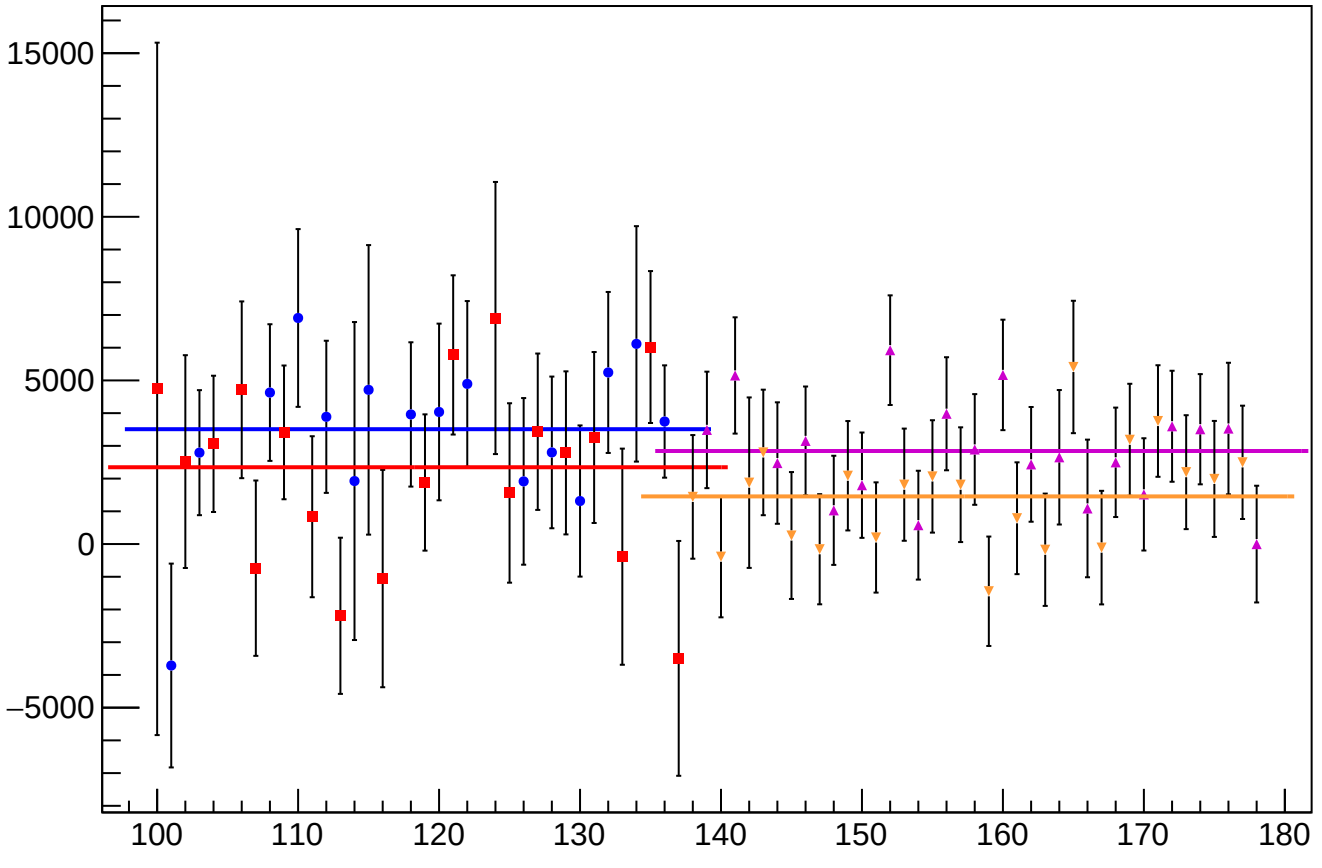
Left: 5276.155+/-0.662 χ^2/NDF: 1911682.4/40

Right: 4811.776+/-0.913 χ^2/NDF: 1476020.7/34

In: 5202.231+/-0.774 χ^2/NDF:1657051.6/35

Out: 5036.455+/-0.743 χ^2/NDF:1876330.2/39

All: 5115.978+/-0.536 χ^2/NDF: 3557248.4/75



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: 2843.200+/-391.286 χ^2/NDF:15.5/19

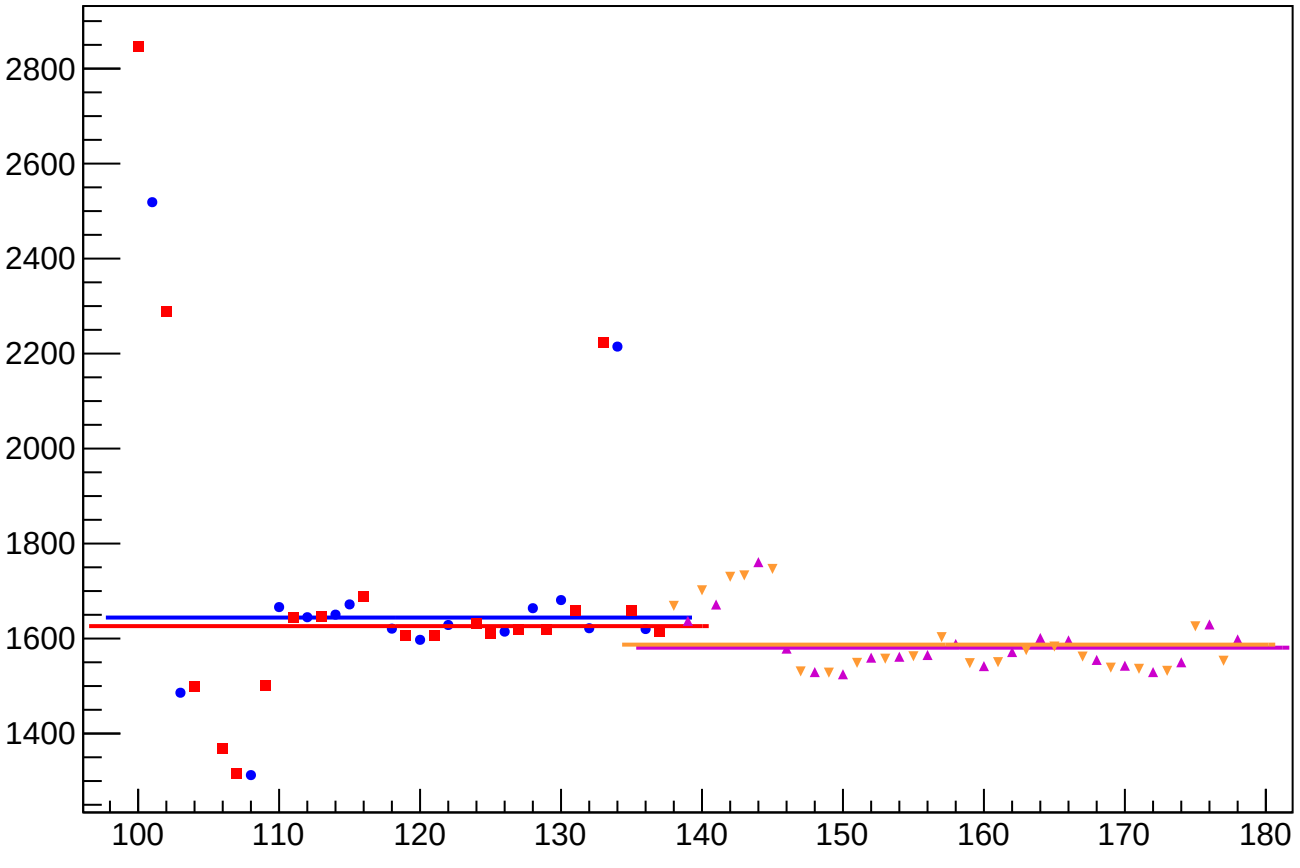
Left: 2145.382+/-275.871 χ^2/NDF: 37.7/40

Right: 2919.429+/-432.792 χ^2/NDF: 29.3/34

In: 3034.435+/-330.398 χ^2/NDF:26.7/35

Out: 1714.829+/-327.598 χ^2/NDF:34.5/39

All: 2369.017+/-232.630 χ^2/NDF: 69.3/75



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

Left Out: 1587.197+/-0.275 χ^2/NDF:59030.0/20

Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1580.775+/-0.277 χ^2/NDF:37923.6/19

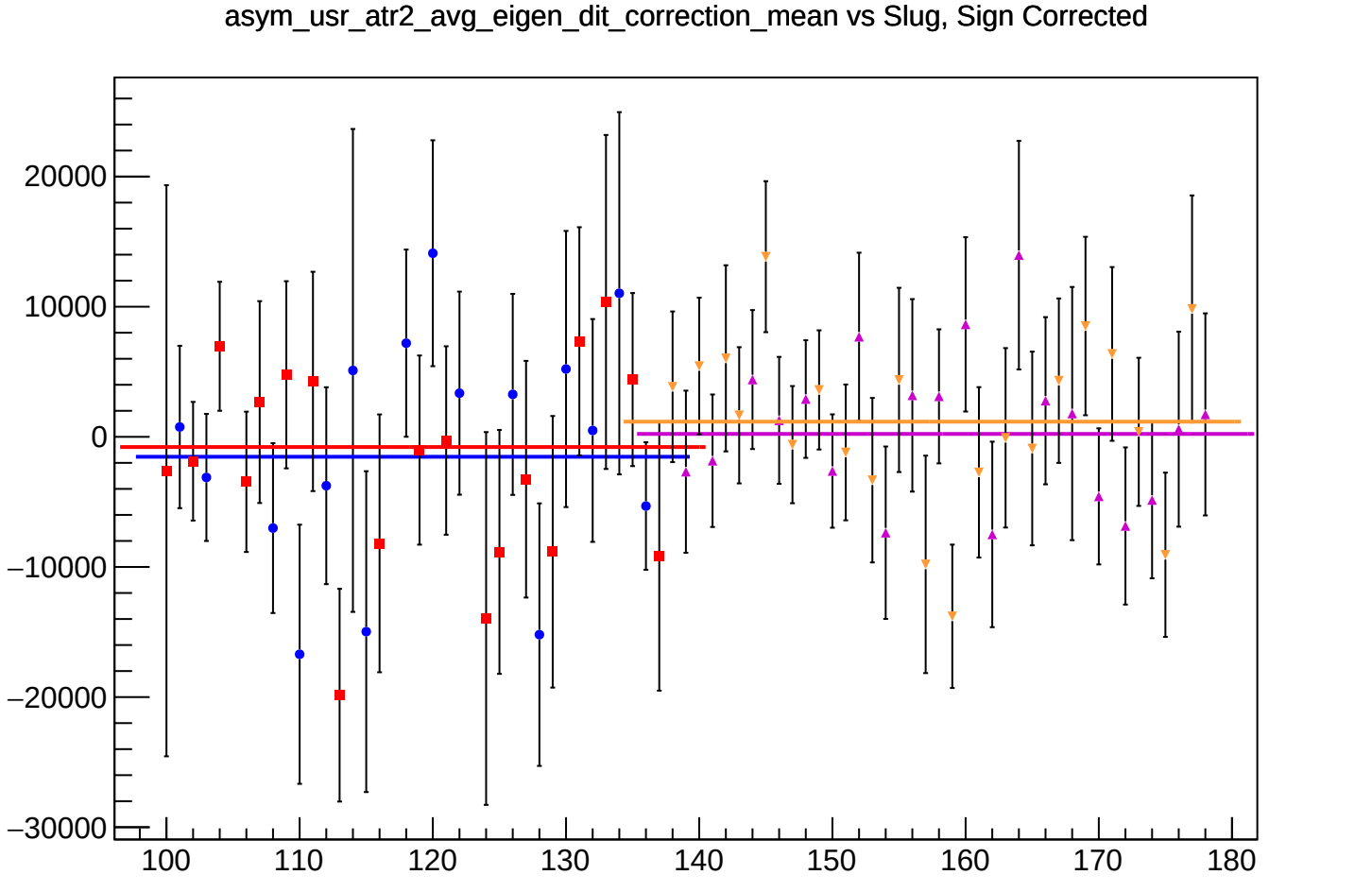
Left: 1584.005+/-0.195 χ^2/NDF: 97224.6/40

Right: 1635.042+/-0.306 χ^2/NDF: 513324.5/34

In: 1598.977+/-0.234 χ^2/NDF:327822.6/35

Out: 1598.545+/-0.232 χ^2/NDF:302514.9/39

All: 1598.760+/-0.164 χ^2/NDF: 630339.2/75



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 1165.686+/-1315.183 χ^2/NDF:22.7/20

Right Out: -784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: 223.678+/-1334.462 χ^2/NDF:13.3/19

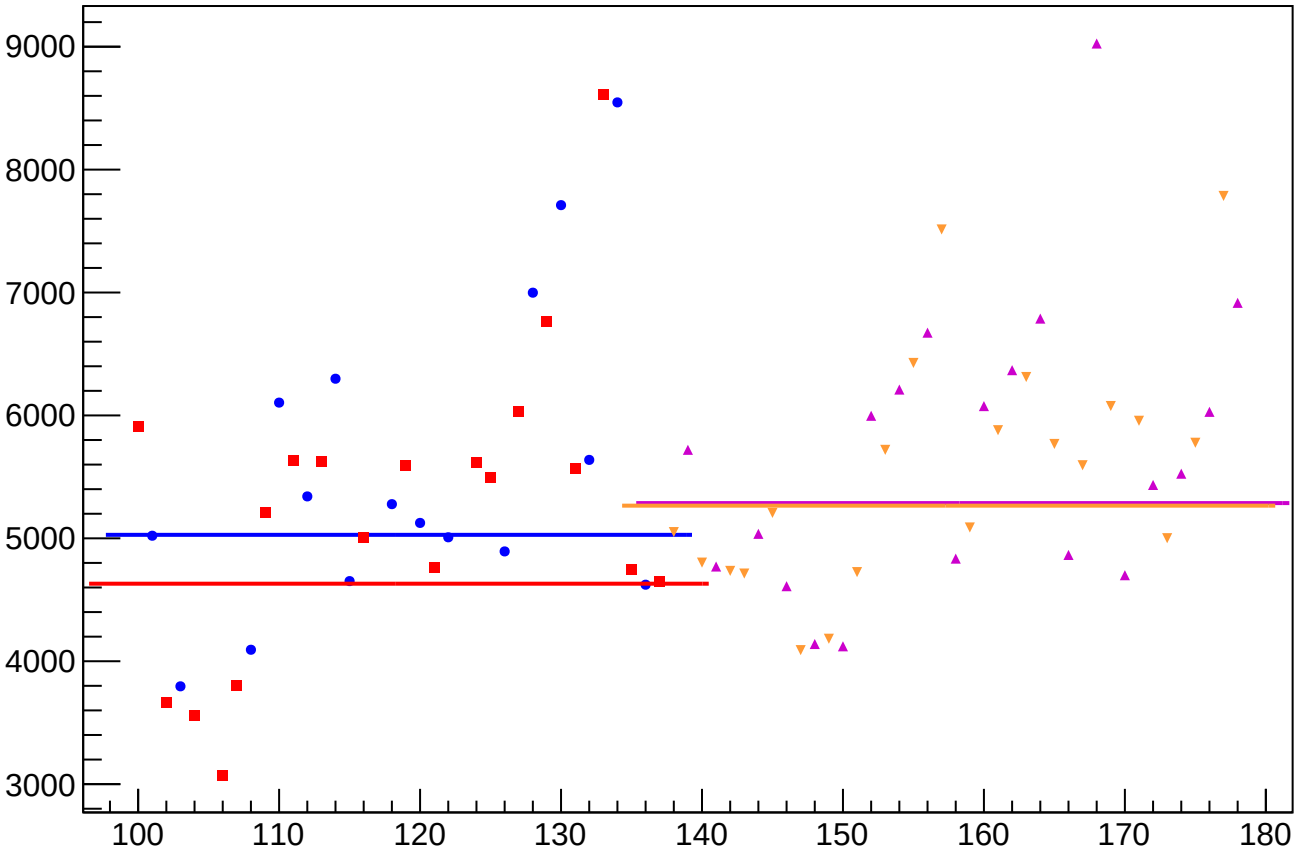
Left: 701.536+/-936.716 χ^2/NDF: 36.2/40

Right: -1124.493+/-1290.891 χ^2/NDF: 29.0/34

In: -350.716+/-1094.628 χ^2/NDF:27.7/35

Out: 461.139+/-1051.060 χ^2/NDF:38.5/39

All: 71.689+/-758.146 χ^2/NDF: 66.5/75



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: 5286.733+/-0.944 χ^2/NDF:1067075.9/19

Left: 5276.164+/-0.662 χ^2/NDF: 1911685.7/40

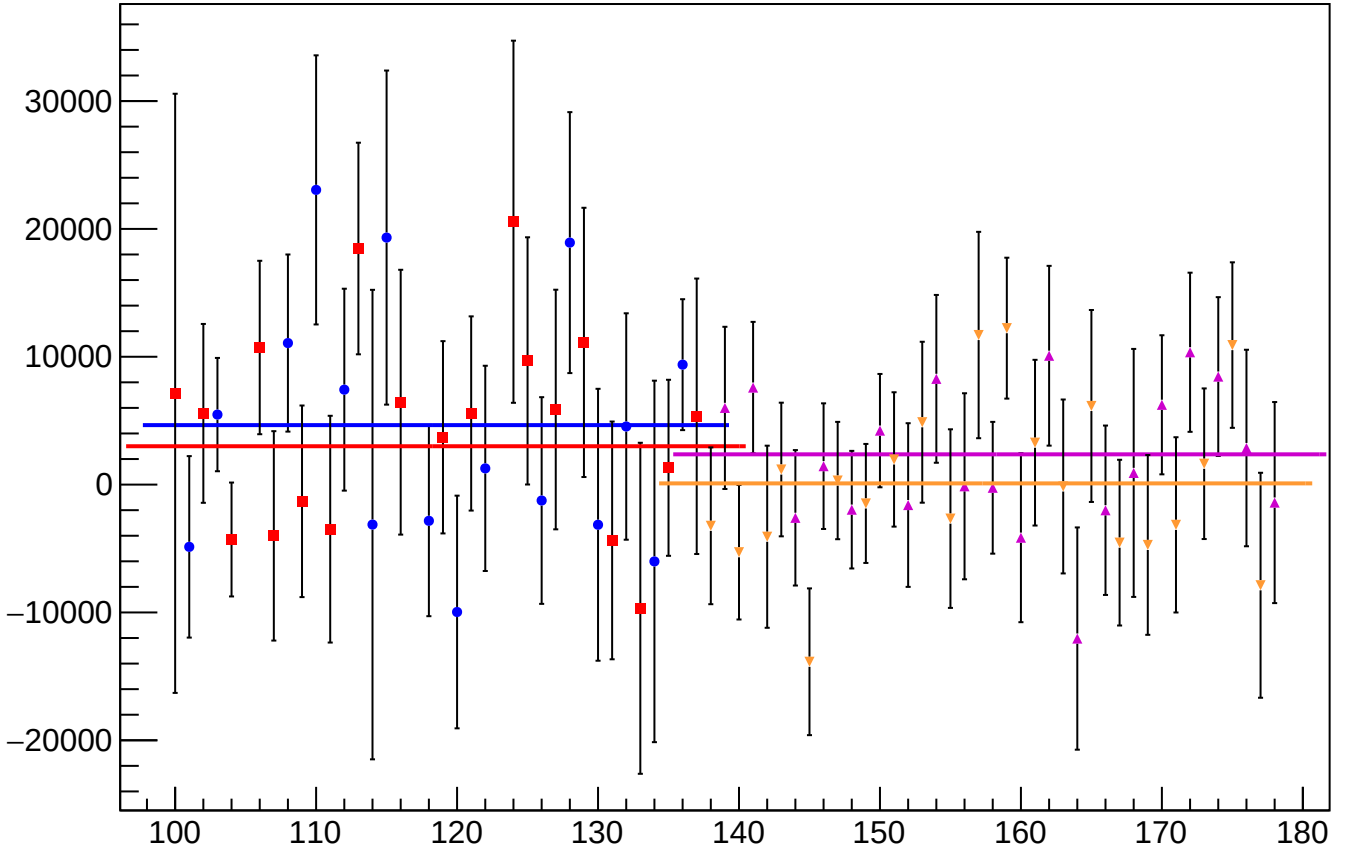
Right: 4811.769+/-0.913 χ^2/NDF: 1476008.6/34

In: 5202.235+/-0.774 χ^2/NDF:1657050.8/35

Out: 5036.458+/-0.743 χ^2/NDF:1876333.2/39

All: 5115.981+/-0.536 χ^2/NDF: 3557250.9/75

asym_usr_atr2_avg_mean vs Slug, Sign Corrected



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: 2368.054+/-1347.795 χ^2/NDF:13.6/19

Left: 1214.434+/-945.817 χ^2/NDF: 36.4/40

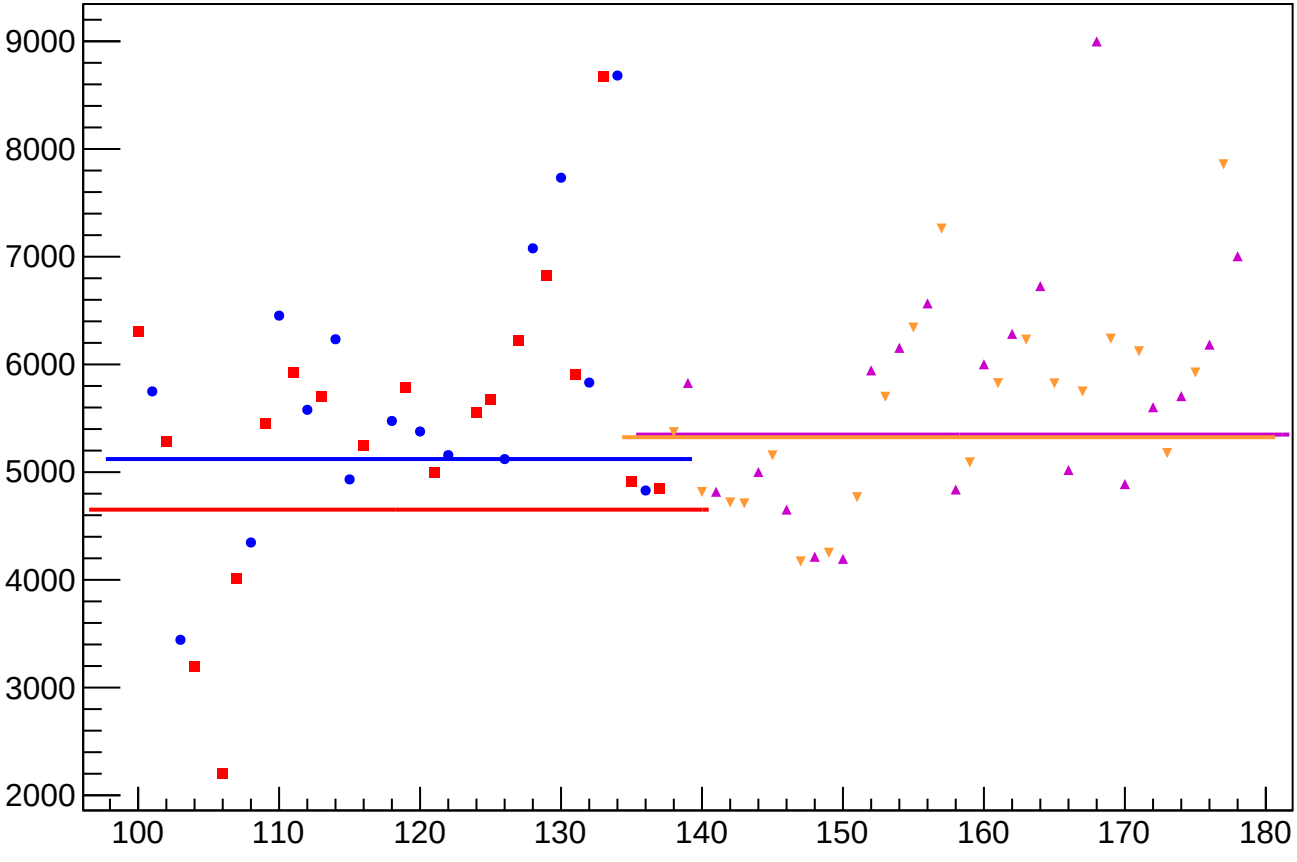
Right: 3794.523+/-1357.320 χ^2/NDF: 29.8/34

In: 3102.446+/-1110.288 χ^2/NDF:30.1/35

Out: 1060.099+/-1085.004 χ^2/NDF:36.8/39

All: 2057.753+/-775.998 χ^2/NDF: 68.6/75

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: 5348.574+/-0.953 χ^2/NDF:991616.8/19

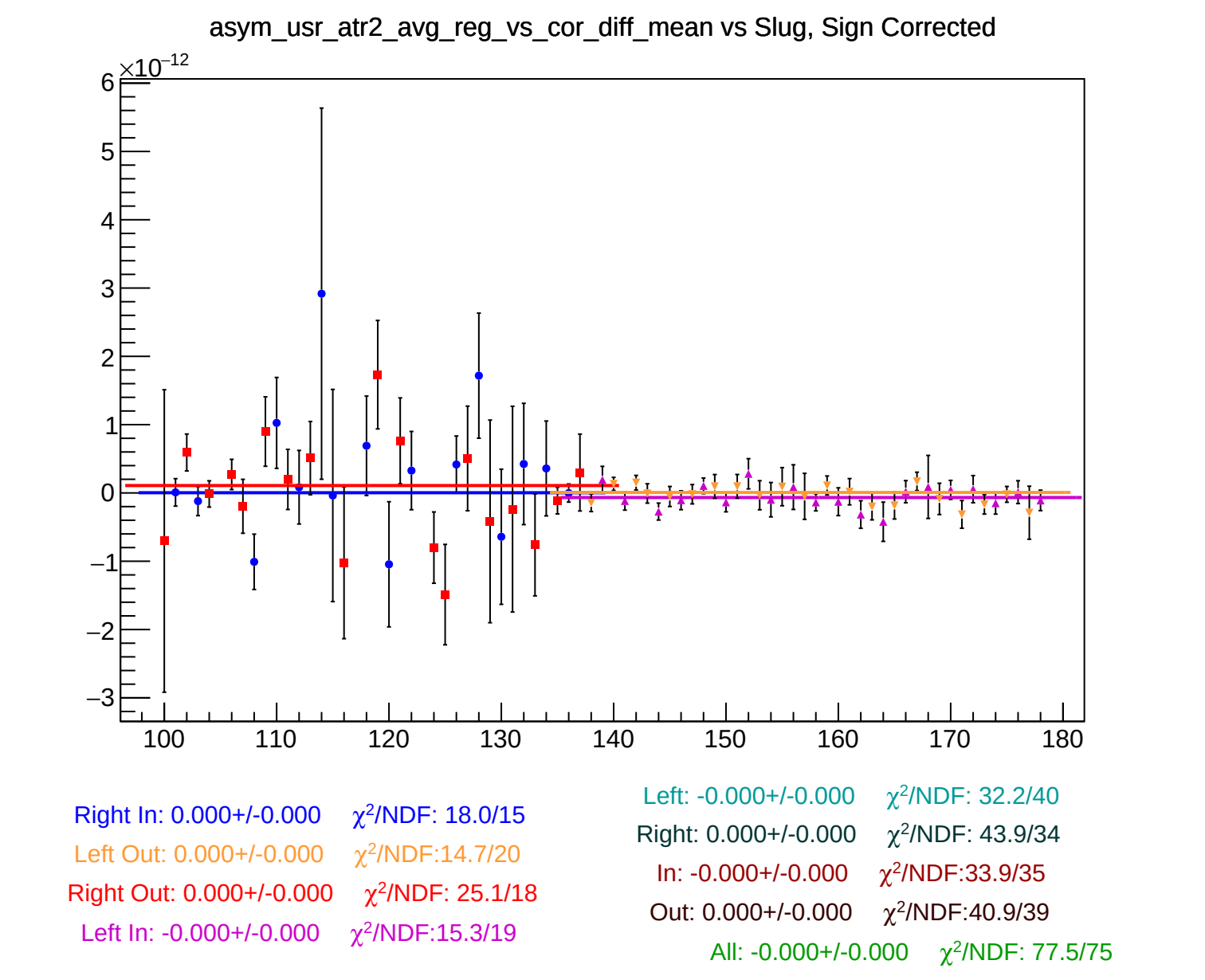
Left: 5336.253+/-0.669 χ^2/NDF: 1788012.2/40

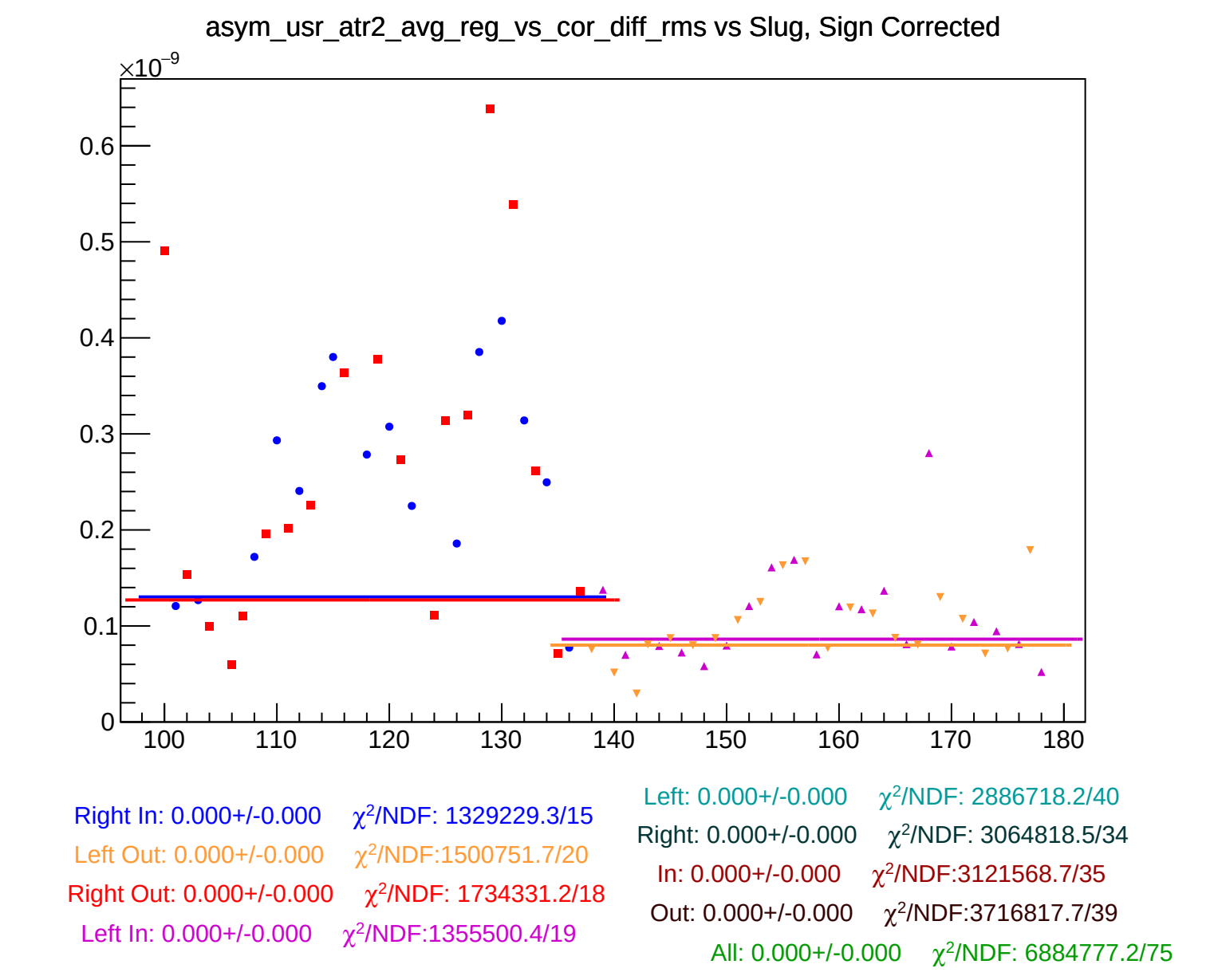
Right: 4868.287+/-0.940 χ^2/NDF: 2127316.1/34

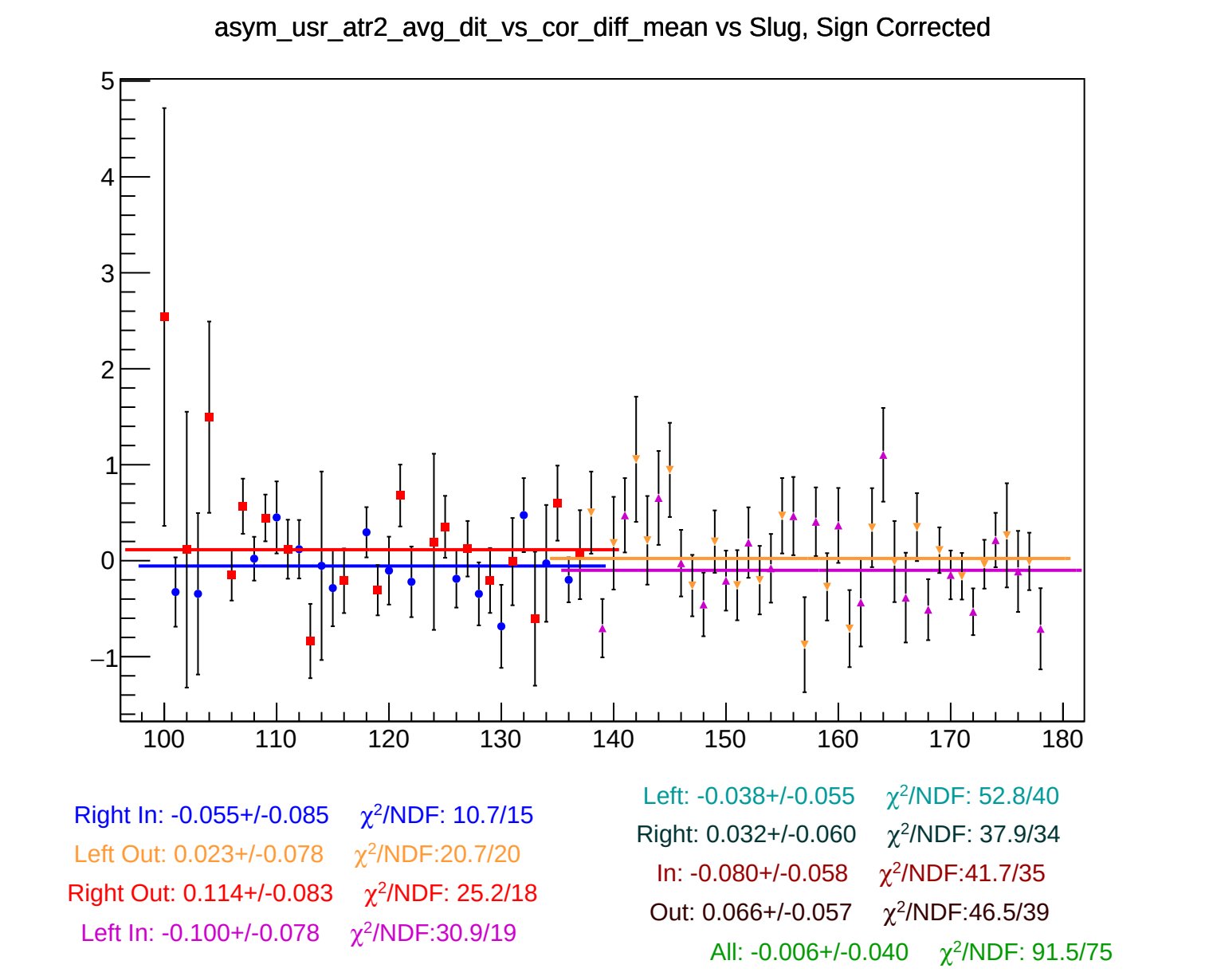
In: 5275.642+/-0.785 χ^2/NDF:1730208.7/35

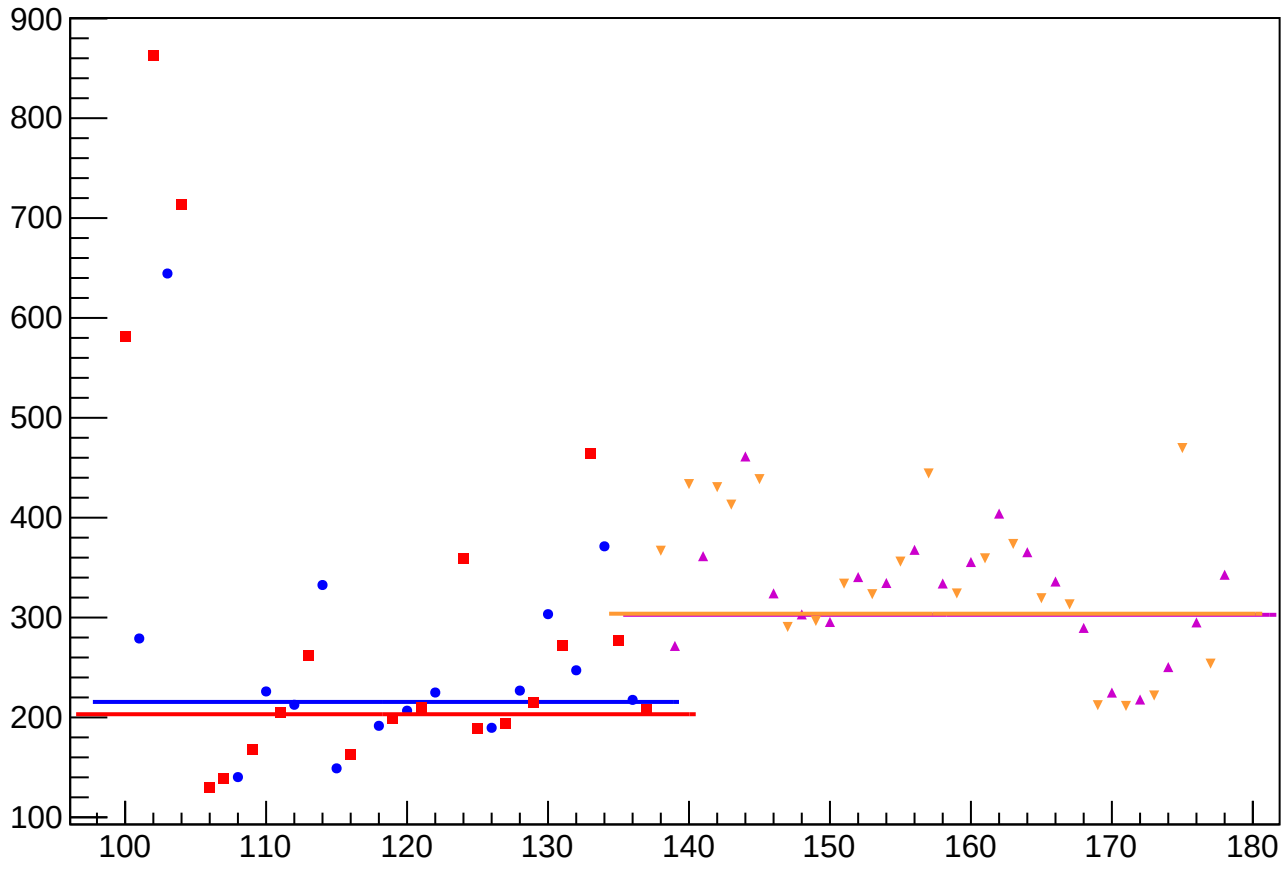
Out: 5089.147+/-0.757 χ^2/NDF:2320398.0/39

All: 5179.006+/-0.545 χ^2/NDF: 4079845.7/75


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:15.3/19
Left: -0.000+/-0.000 χ²/NDF: 32.2/40
Right: 0.000+/-0.000 χ²/NDF: 43.9/34
In: -0.000+/-0.000 χ²/NDF:33.9/35
Out: 0.000+/-0.000 χ²/NDF:40.9/39
All: -0.000+/-0.000 χ²/NDF: 77.5/75


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:1355500.4/19
Left: 0.000+/-0.000 χ²/NDF: 2886718.2/40
Right: 0.000+/-0.000 χ²/NDF: 3064818.5/34
In: 0.000+/-0.000 χ²/NDF:3121568.7/35
Out: 0.000+/-0.000 χ²/NDF:3716817.7/39
All: 0.000+/-0.000 χ²/NDF: 6884777.2/75


asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
5
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
180
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.023+/-0.078 χ²/NDF:20.7/20
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.100+/-0.078 χ²/NDF:30.9/19
Left: -0.038+/-0.055 χ²/NDF: 52.8/40
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.080+/-0.058 χ²/NDF:41.7/35
Out: 0.066+/-0.057 χ²/NDF:46.5/39
All: -0.006+/-0.040 χ²/NDF: 91.5/75



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: 302.746+/-0.055 χ^2/NDF:1086209.0/19

Left: 303.300+/-0.039 χ^2/NDF: 2973579.1/40

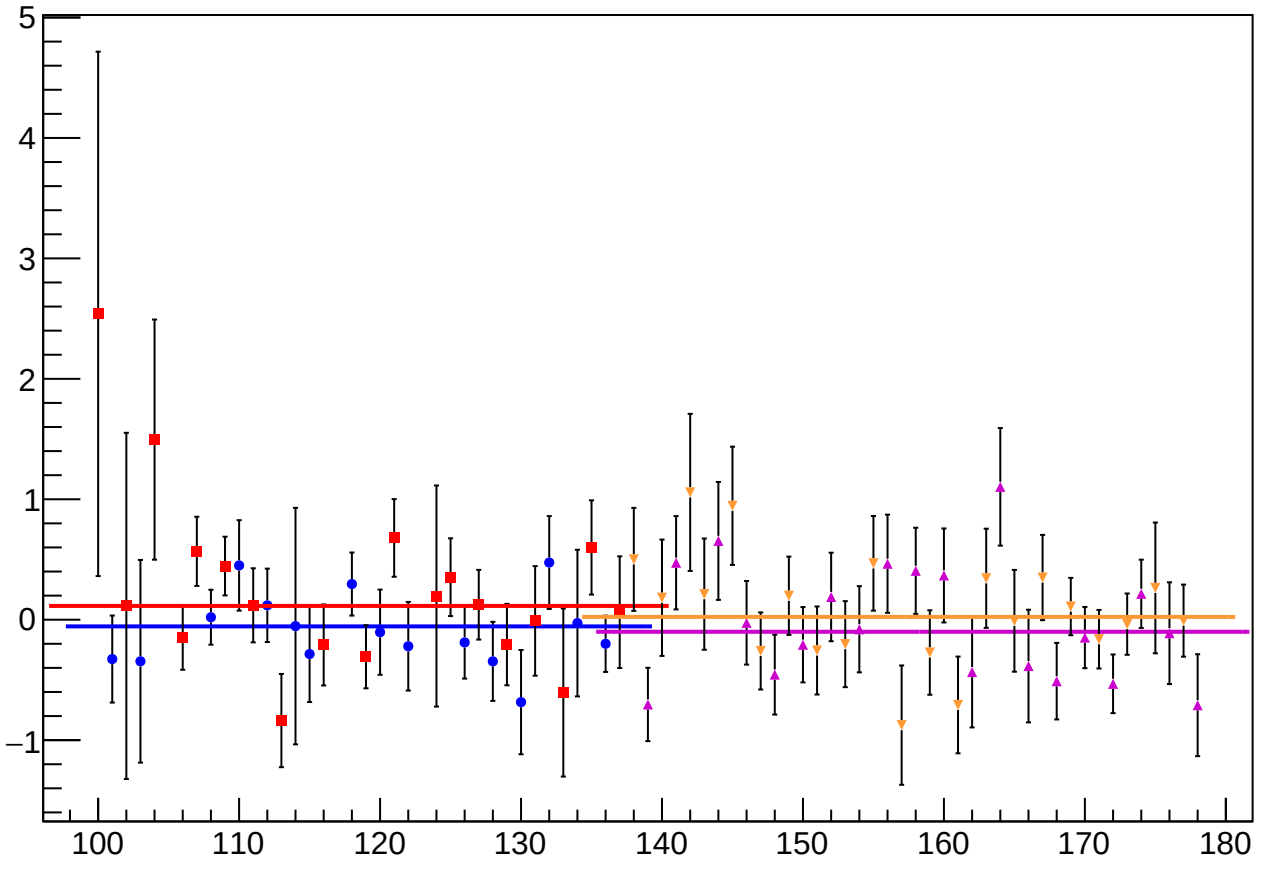
Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 263.092+/-0.041 χ^2/NDF:3371046.9/35

Out: 256.795+/-0.040 χ^2/NDF:5280391.5/39

All: 259.904+/-0.029 χ^2/NDF: 8663531.5/75

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: -0.100+/-0.078 χ^2/NDF:30.9/19

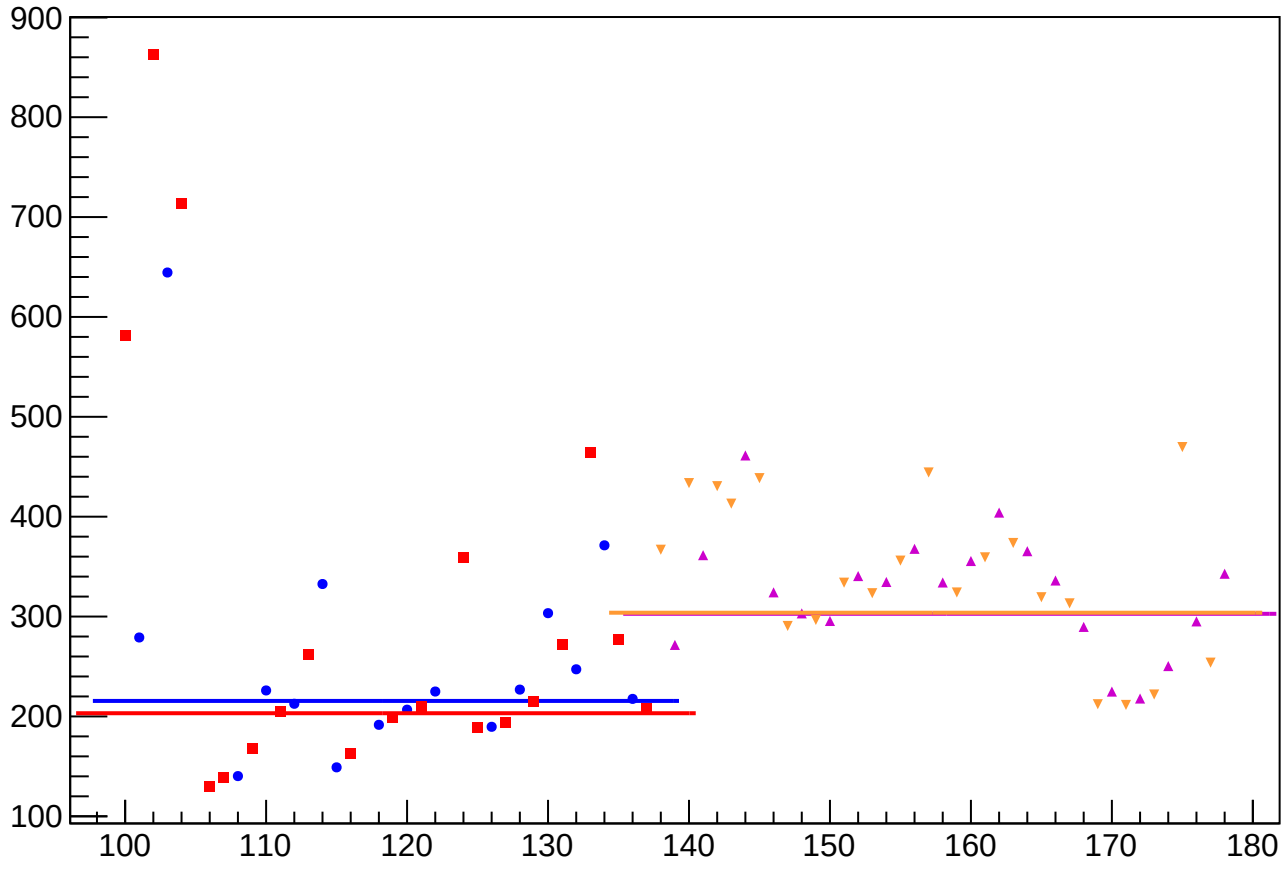
Left: -0.038+/-0.055 χ^2/NDF: 52.8/40

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.080+/-0.058 χ^2/NDF:41.7/35

Out: 0.066+/-0.057 χ^2/NDF:46.5/39

All: -0.006+/-0.040 χ^2/NDF: 91.5/75



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: 302.746+/-0.055 χ^2/NDF:1086209.0/19

Left: 303.300+/-0.039 χ^2/NDF: 2973579.1/40

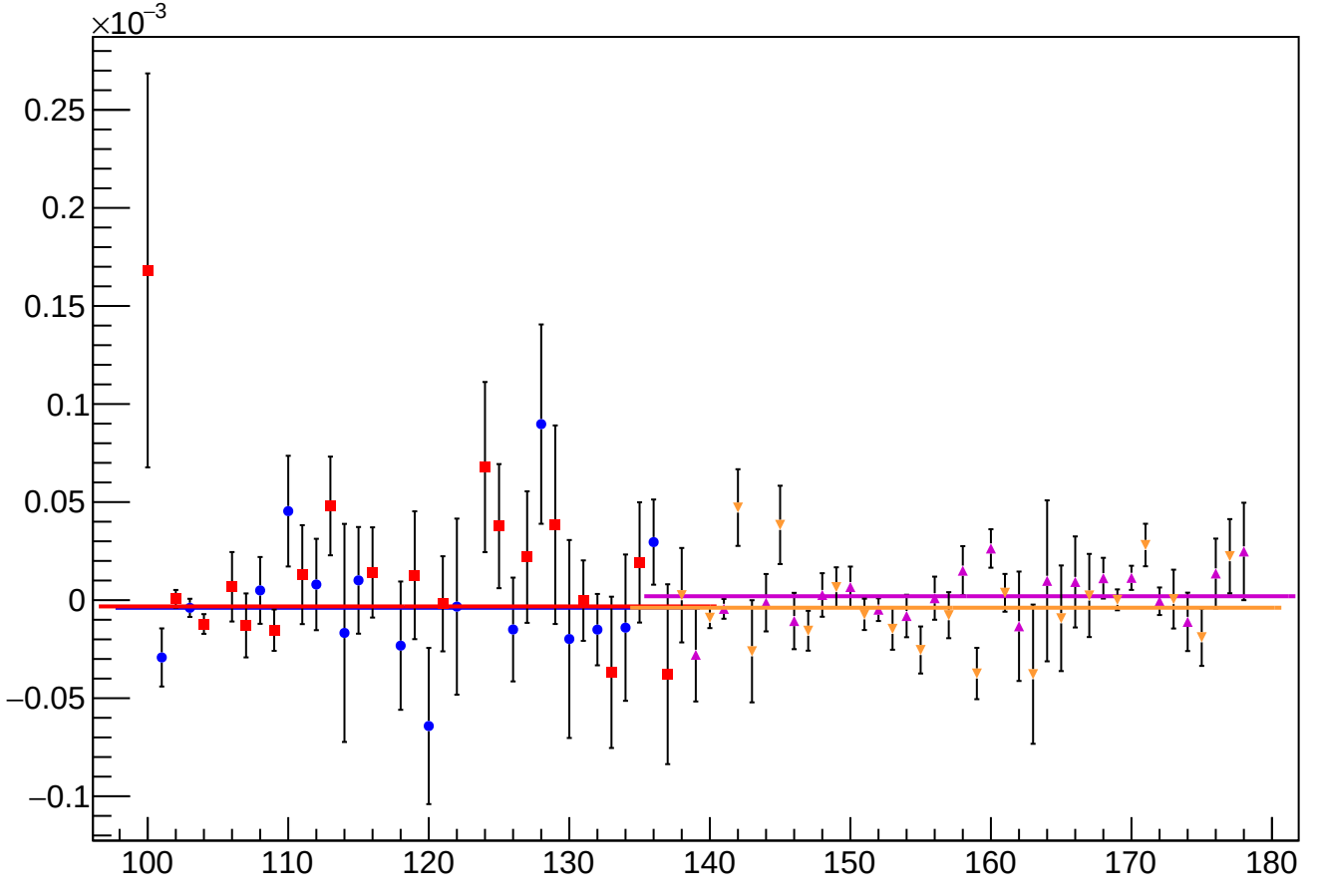
Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 263.092+/-0.041 χ^2/NDF:3371046.9/35

Out: 256.795+/-0.040 χ^2/NDF:5280391.5/39

All: 259.904+/-0.029 χ^2/NDF: 8663531.5/75

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:19.5/19

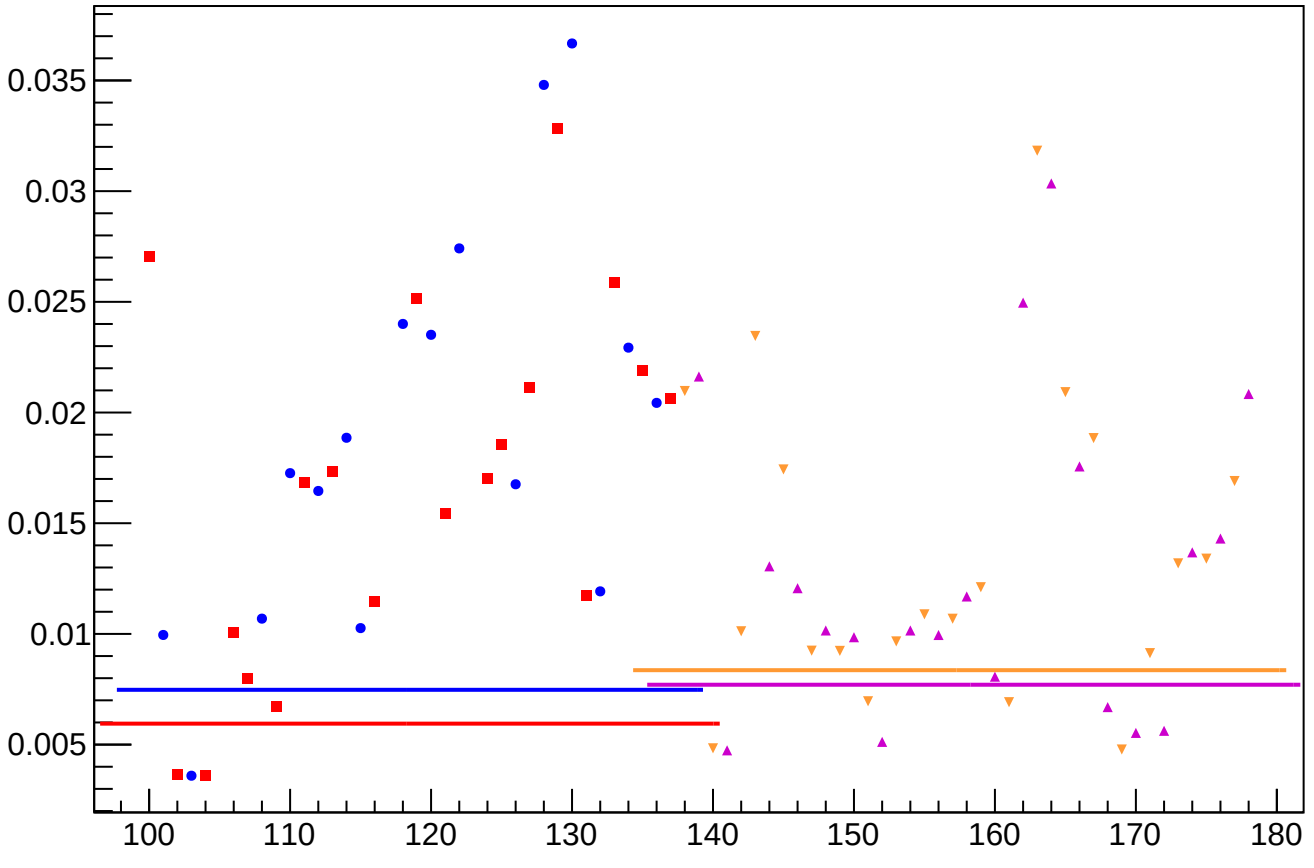
Left: -0.000+/-0.000 χ^2/NDF: 63.3/40

Right: -0.000+/-0.000 χ^2/NDF: 37.6/34

In: 0.000+/-0.000 χ^2/NDF:37.2/35

Out: -0.000+/-0.000 χ^2/NDF:62.3/39

All: -0.000+/-0.000 χ^2/NDF: 101.8/75



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:6135387.8/19

Left: 0.008+/-0.000 χ^2/NDF: 12827491.2/40

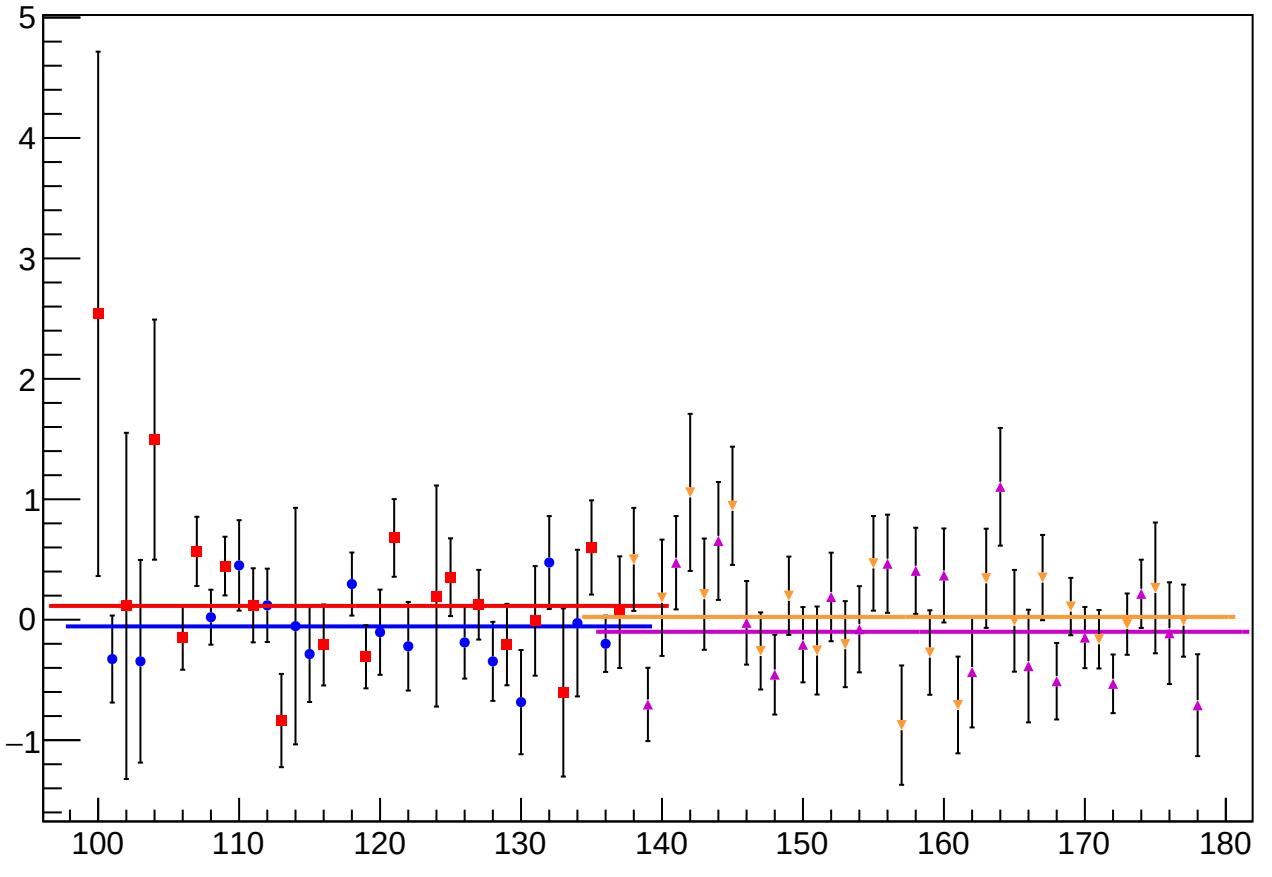
Right: 0.007+/-0.000 χ^2/NDF: 12215563.8/34

In: 0.008+/-0.000 χ^2/NDF:12217009.0/35

Out: 0.007+/-0.000 χ^2/NDF:13379260.1/39

All: 0.008+/-0.000 χ^2/NDF: 25613710.0/75

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: -0.100+/-0.078 χ^2/NDF:30.9/19

Left: -0.038+/-0.055 χ^2/NDF: 52.8/40

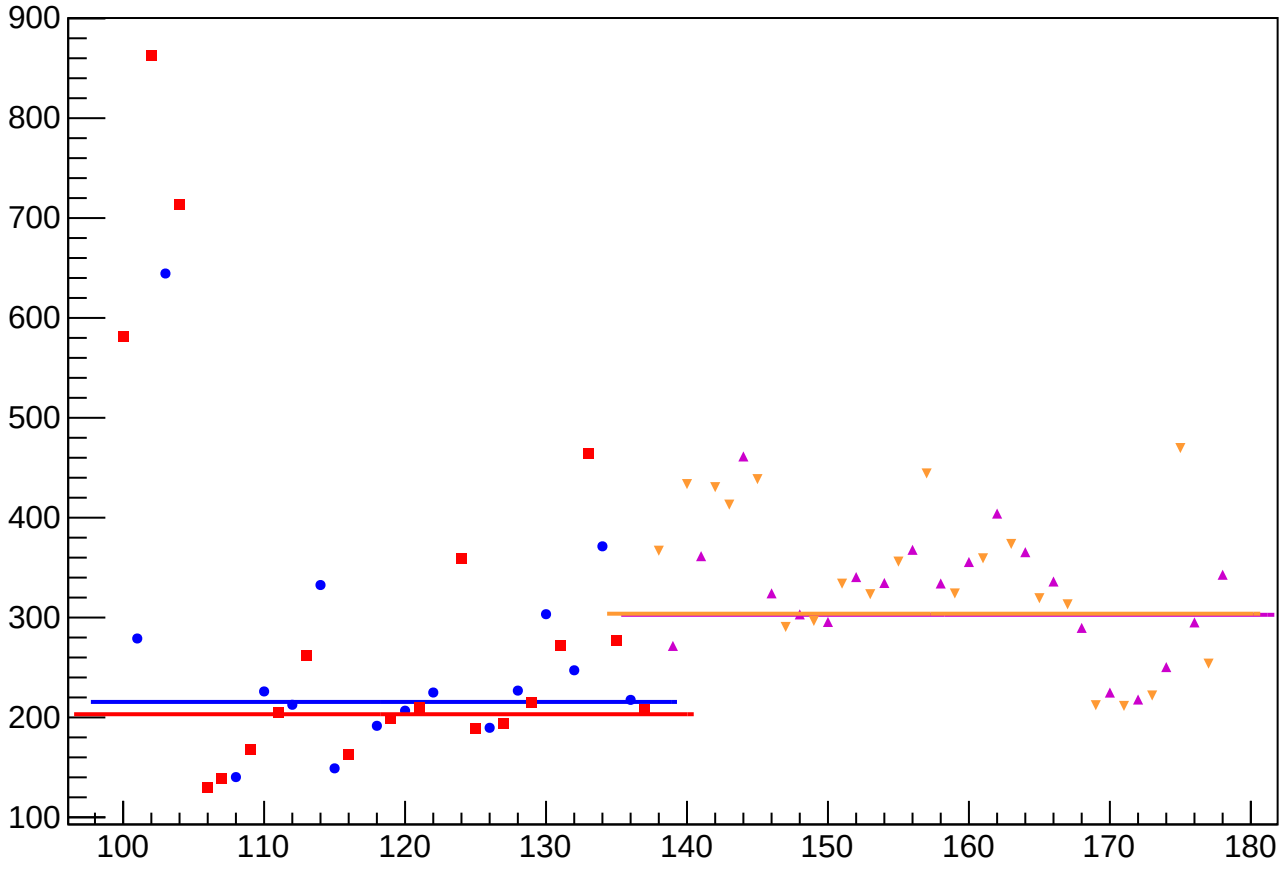
Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.080+/-0.058 χ^2/NDF:41.7/35

Out: 0.066+/-0.057 χ^2/NDF:46.5/39

All: -0.006+/-0.040 χ^2/NDF: 91.5/75

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: 302.750+/-0.055 χ^2/NDF:1086259.2/19

Left: 303.303+/-0.039 χ^2/NDF: 2973712.4/40

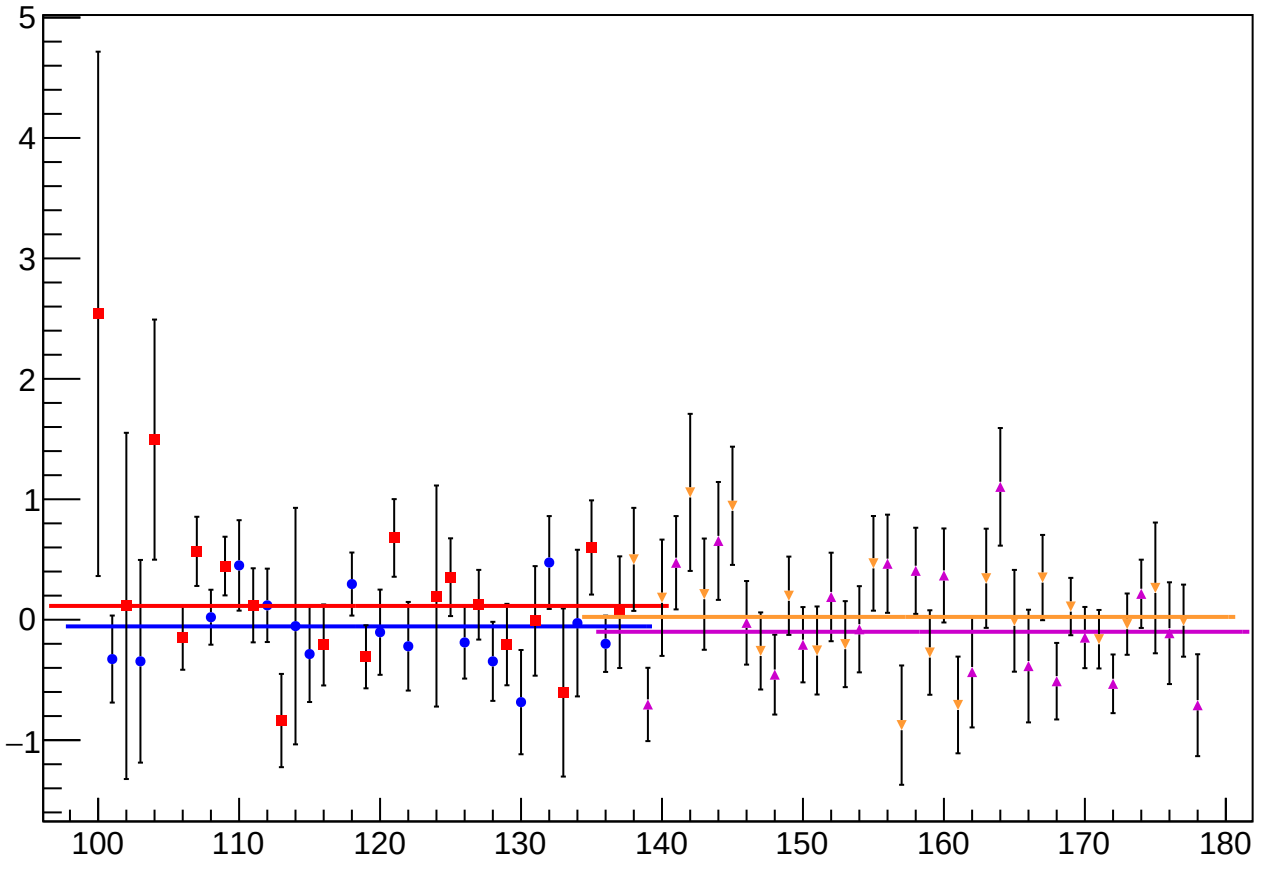
Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 263.093+/-0.041 χ^2/NDF:3371186.4/35

Out: 256.795+/-0.040 χ^2/NDF:5280596.0/39

All: 259.904+/-0.029 χ^2/NDF: 8663877.4/75

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: -0.100+/-0.078 χ^2/NDF:30.9/19

Left: -0.038+/-0.055 χ^2/NDF: 52.8/40

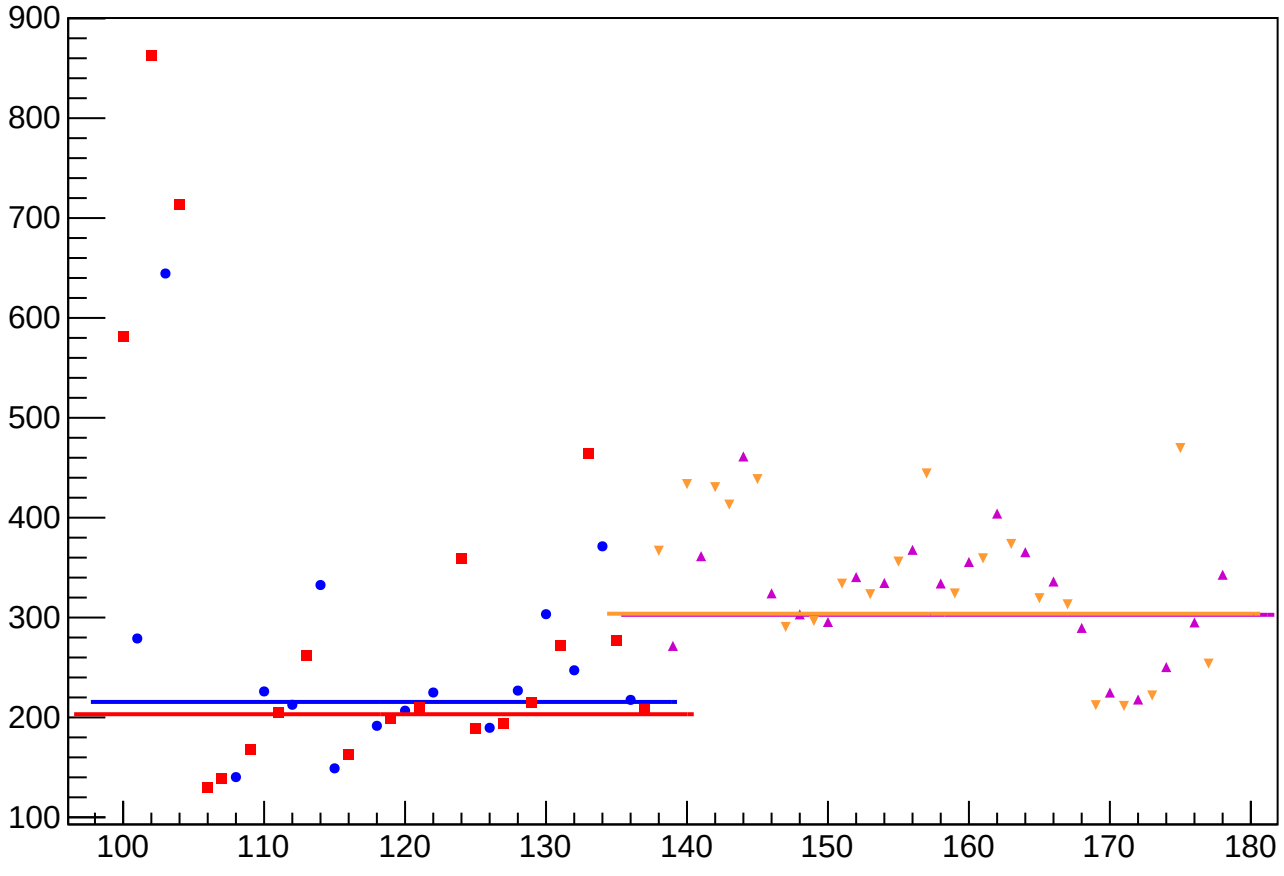
Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.080+/-0.058 χ^2/NDF:41.7/35

Out: 0.066+/-0.057 χ^2/NDF:46.5/39

All: -0.006+/-0.040 χ^2/NDF: 91.5/75

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: 302.750+/-0.055 χ^2/NDF:1086259.2/19

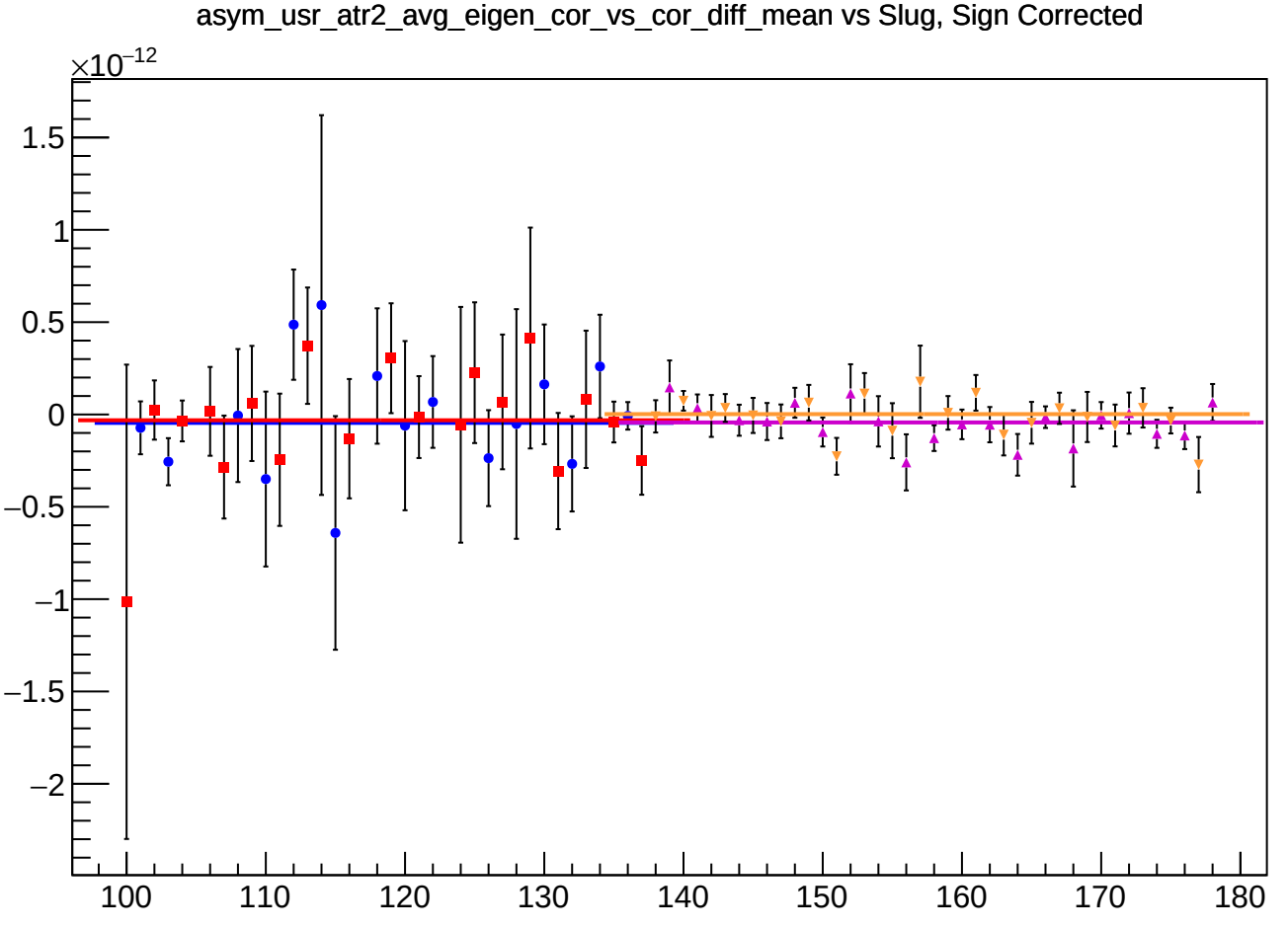
Left: 303.303+/-0.039 χ^2/NDF: 2973712.4/40

Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 263.093+/-0.041 χ^2/NDF:3371186.4/35

Out: 256.795+/-0.040 χ^2/NDF:5280596.0/39

All: 259.904+/-0.029 χ^2/NDF: 8663877.4/75



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:15.8/19

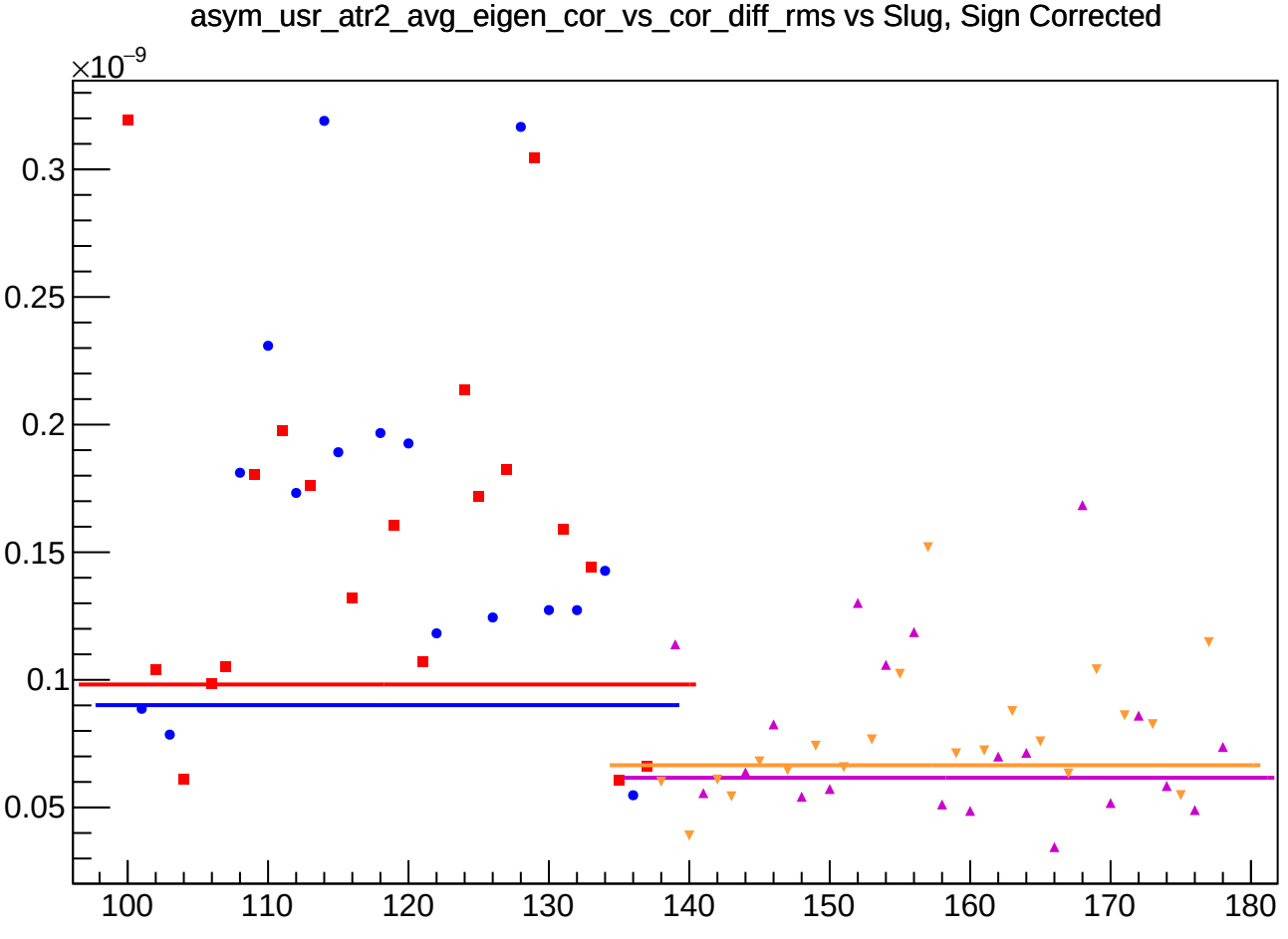
Left: -0.000+/-0.000 χ^2/NDF: 35.1/40

Right: -0.000+/-0.000 χ^2/NDF: 19.9/34

In: -0.000+/-0.000 χ^2/NDF:27.3/35

Out: -0.000+/-0.000 χ^2/NDF:25.5/39

All: -0.000+/-0.000 χ^2/NDF: 55.2/75



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:2566452.4/19

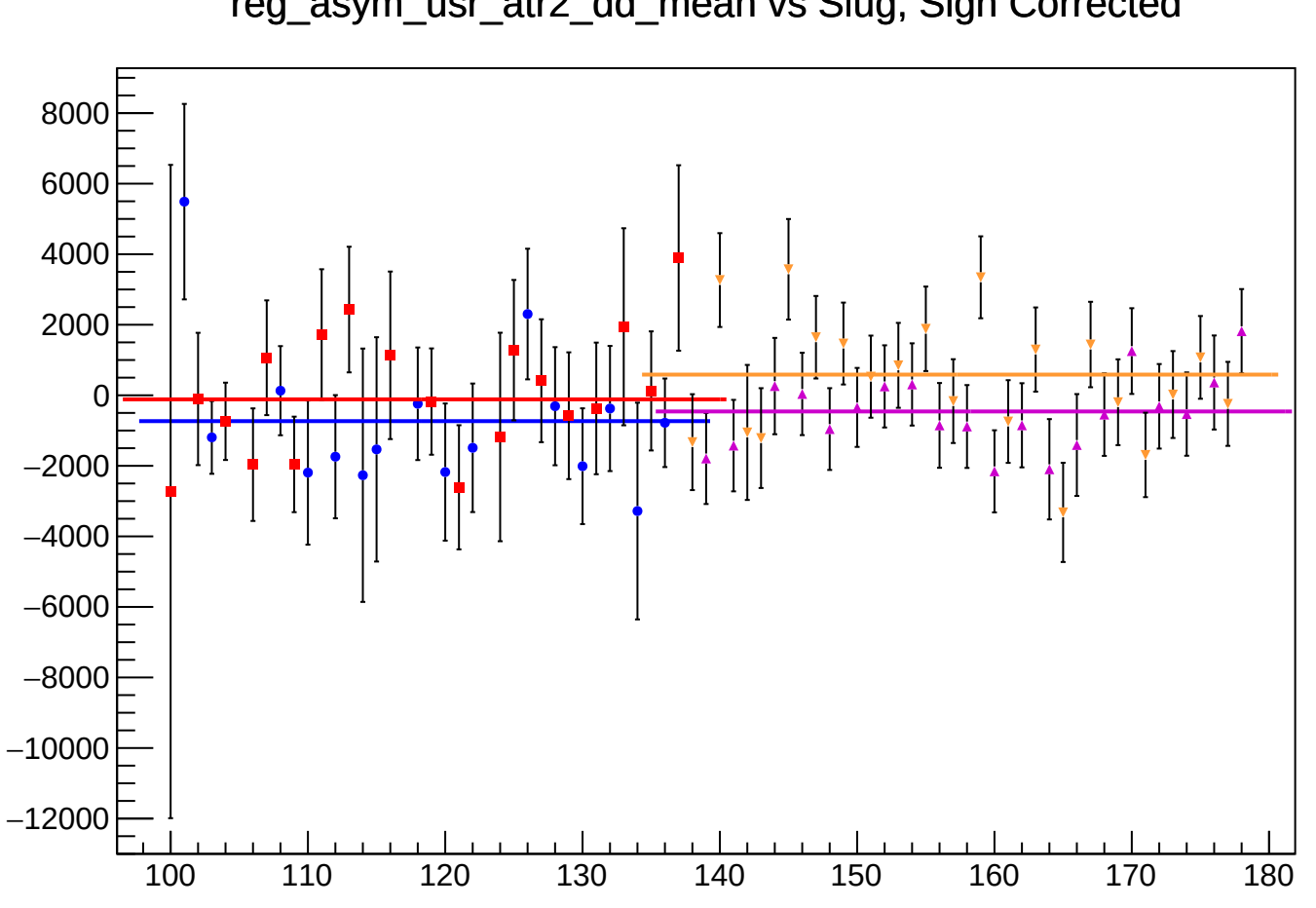
Left: 0.000+/-0.000 χ^2/NDF: 4382328.4/40

Right: 0.000+/-0.000 χ^2/NDF: 3527917.4/34

In: 0.000+/-0.000 χ^2/NDF:4934614.7/35

Out: 0.000+/-0.000 χ^2/NDF:4089444.2/39

All: 0.000+/-0.000 χ^2/NDF: 9103896.0/75



Right In: -732.747+/-427.384 χ^2/NDF: 11.7/15

Left Out: 586.297+/-272.155 χ^2/NDF:36.2/20

Right Out: -115.040+/-411.437 χ^2/NDF: 13.1/18

Left In: -458.404+/-273.219 χ^2/NDF:13.3/19

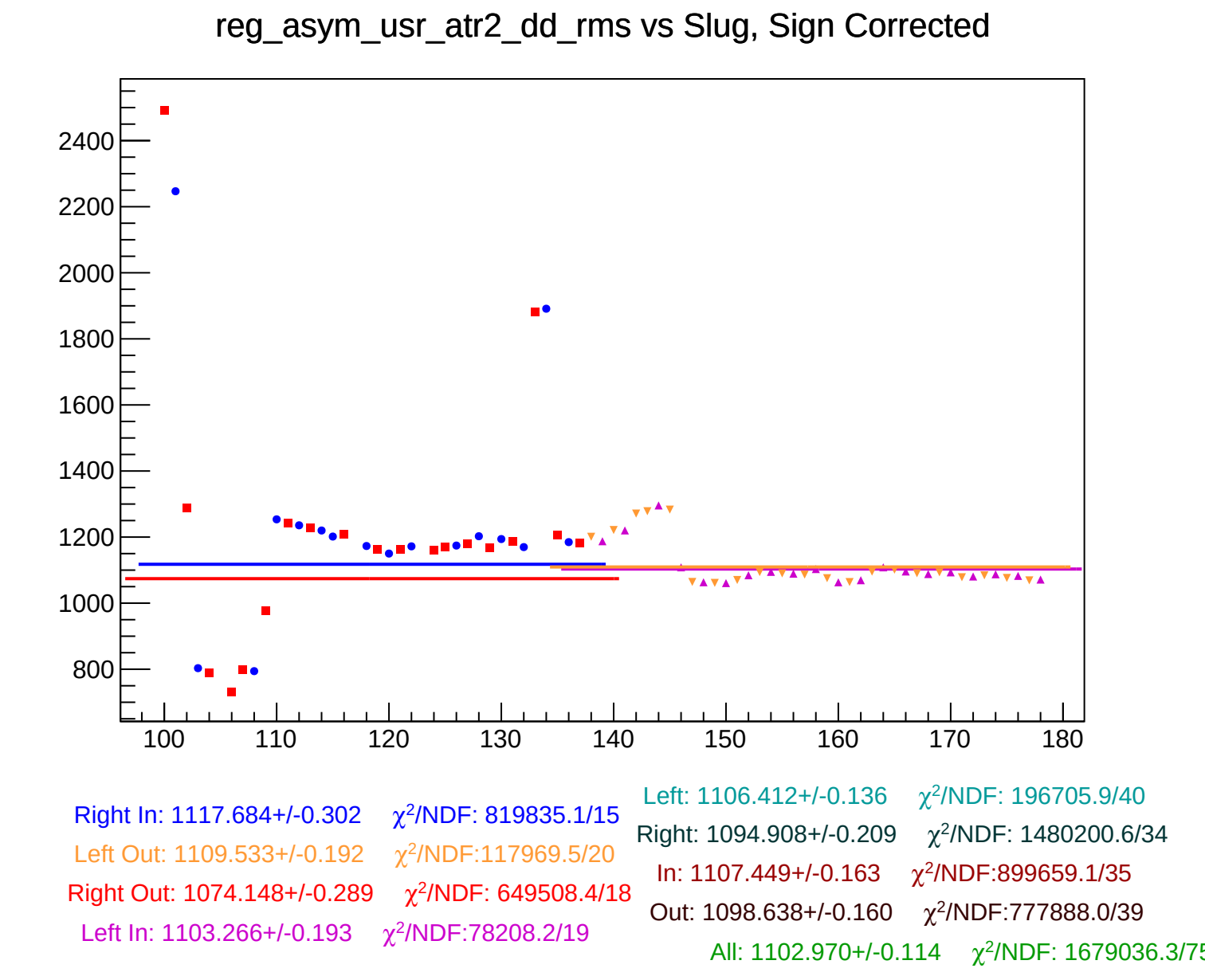
Left: 65.984+/-192.818 χ^2/NDF: 56.9/40

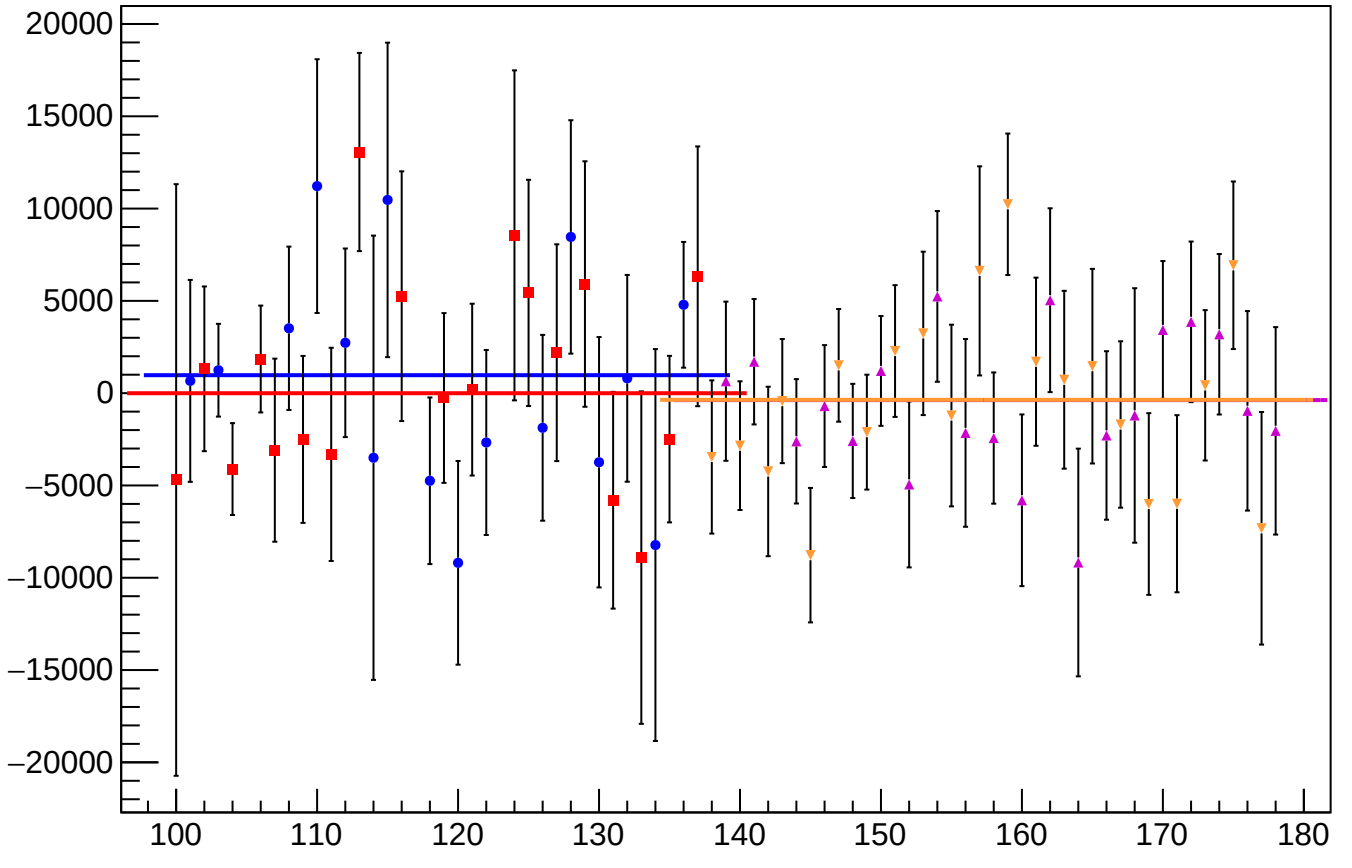
Right: -412.155+/-296.407 χ^2/NDF: 25.9/34

In: -537.995+/-230.200 χ^2/NDF:25.3/35

Out: 372.830+/-226.989 χ^2/NDF:51.3/39

All: -76.188+/-161.629 χ^2/NDF: 84.6/75


reg_asym_usr_atr2_dd_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: 1117.684+/-0.302 χ²/NDF: 819835.1/15
Left Out: 1109.533+/-0.192 χ²/NDF:117969.5/20
Right Out: 1074.148+/-0.289 χ²/NDF: 649508.4/18
Left In: 1103.266+/-0.193 χ²/NDF:78208.2/19
Left: 1106.412+/-0.136 χ²/NDF: 196705.9/40
Right: 1094.908+/-0.209 χ²/NDF: 1480200.6/34
In: 1107.449+/-0.163 χ²/NDF:899659.1/35
Out: 1098.638+/-0.160 χ²/NDF:777888.0/39
All: 1102.970+/-0.114 χ²/NDF: 1679036.3/75



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: -375.077+/-921.667 χ^2/NDF:12.2/19

Left: -367.423+/-644.866 χ^2/NDF: 37.4/40

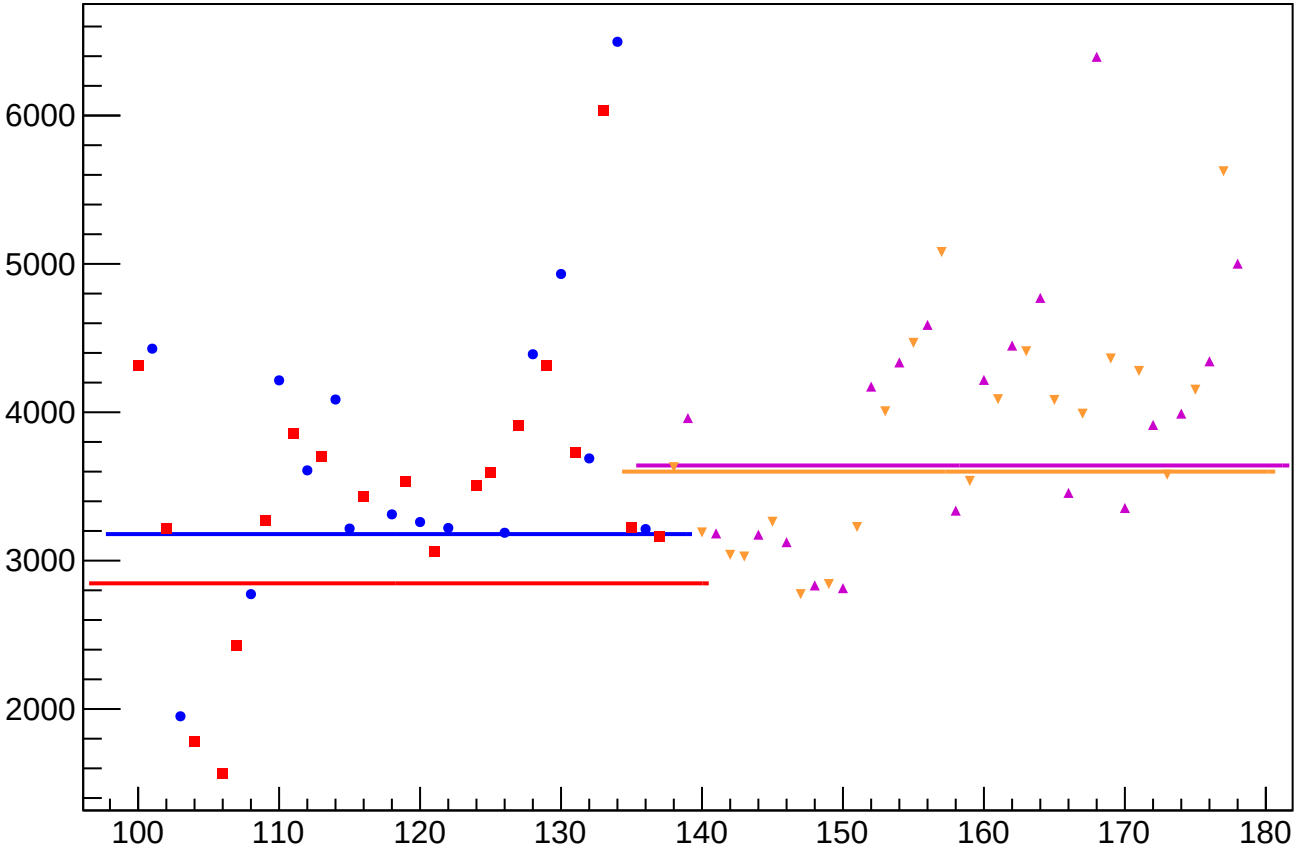
Right: 436.095+/-826.478 χ^2/NDF: 30.7/34

In: 108.553+/-738.166 χ^2/NDF:26.7/35

Out: -218.508+/-701.267 χ^2/NDF:41.8/39

All: -63.356+/-508.415 χ^2/NDF: 68.7/75

asym_usr_atr2_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3600.027+/-0.638 χ^2/NDF:1071286.5/20

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

Left In: 3641.421+/-0.652 χ^2/NDF:1239626.9/19

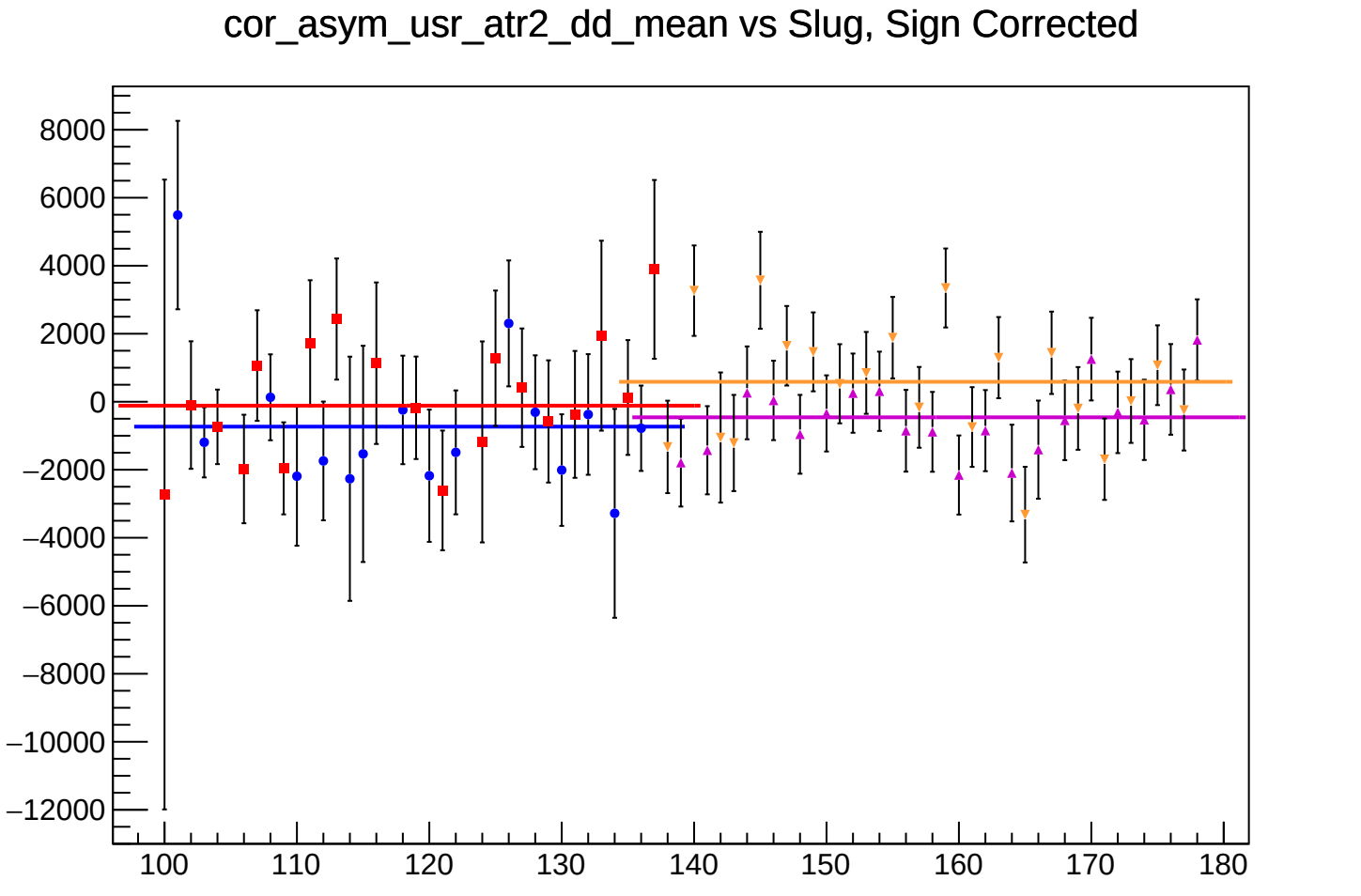
Left: 3620.291+/-0.456 χ^2/NDF: 2312972.8/40

Right: 2996.178+/-0.584 χ^2/NDF: 2682627.1/34

In: 3475.571+/-0.522 χ^2/NDF:2511920.0/35

Out: 3301.572+/-0.496 χ^2/NDF:3134180.2/39

All: 3384.114+/-0.360 χ^2/NDF: 5704510.1/75



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: -458.334+/-273.219 χ^2/NDF:13.3/19

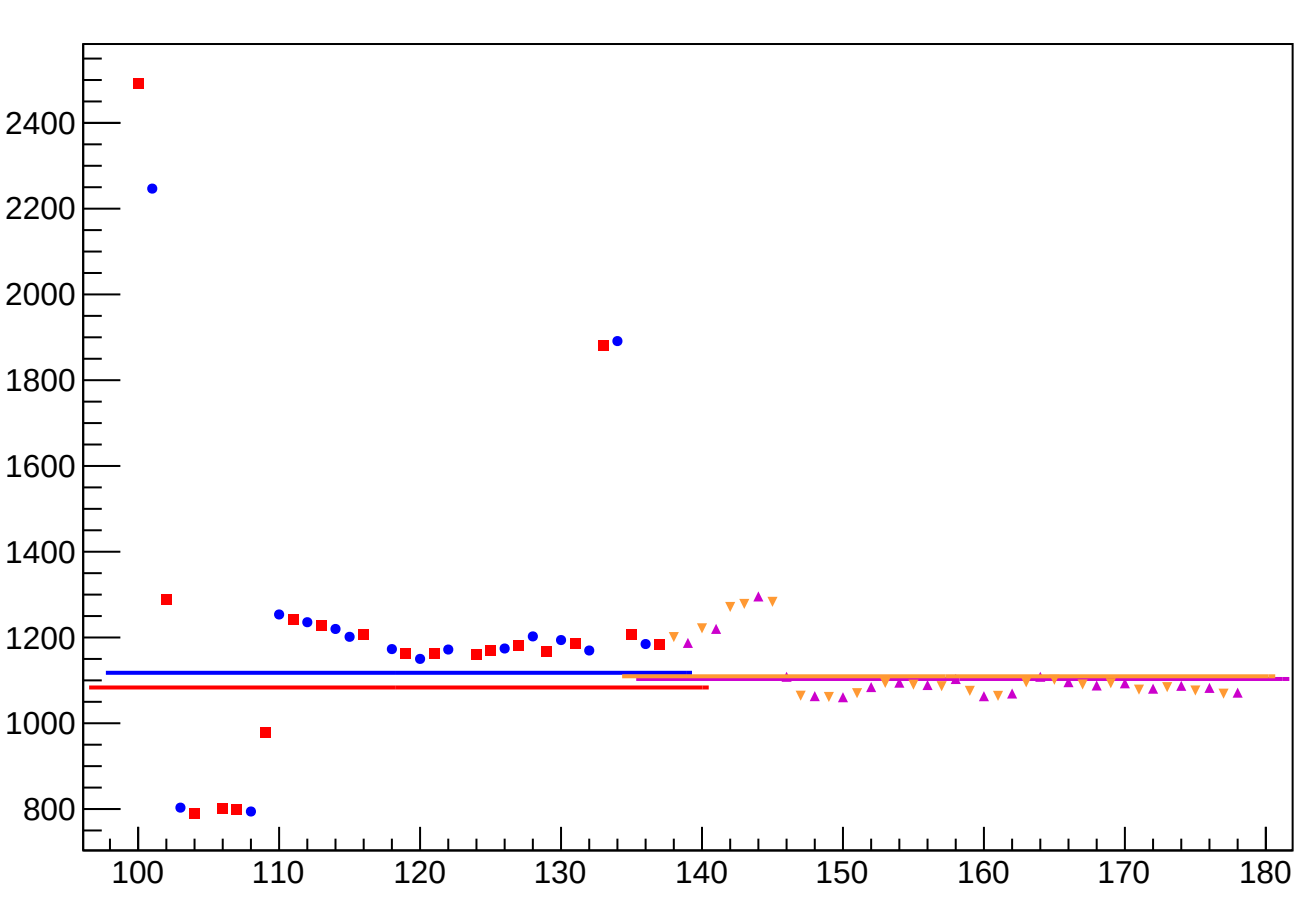
Left: 66.044+/-192.818 χ^2/NDF: 56.9/40

Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -537.927+/-230.200 χ^2/NDF:25.3/35

Out: 372.787+/-226.990 χ^2/NDF:51.4/39

All: -76.177+/-161.629 χ^2/NDF: 84.6/75



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: 1103.266+/-0.193 χ^2/NDF:78208.2/19

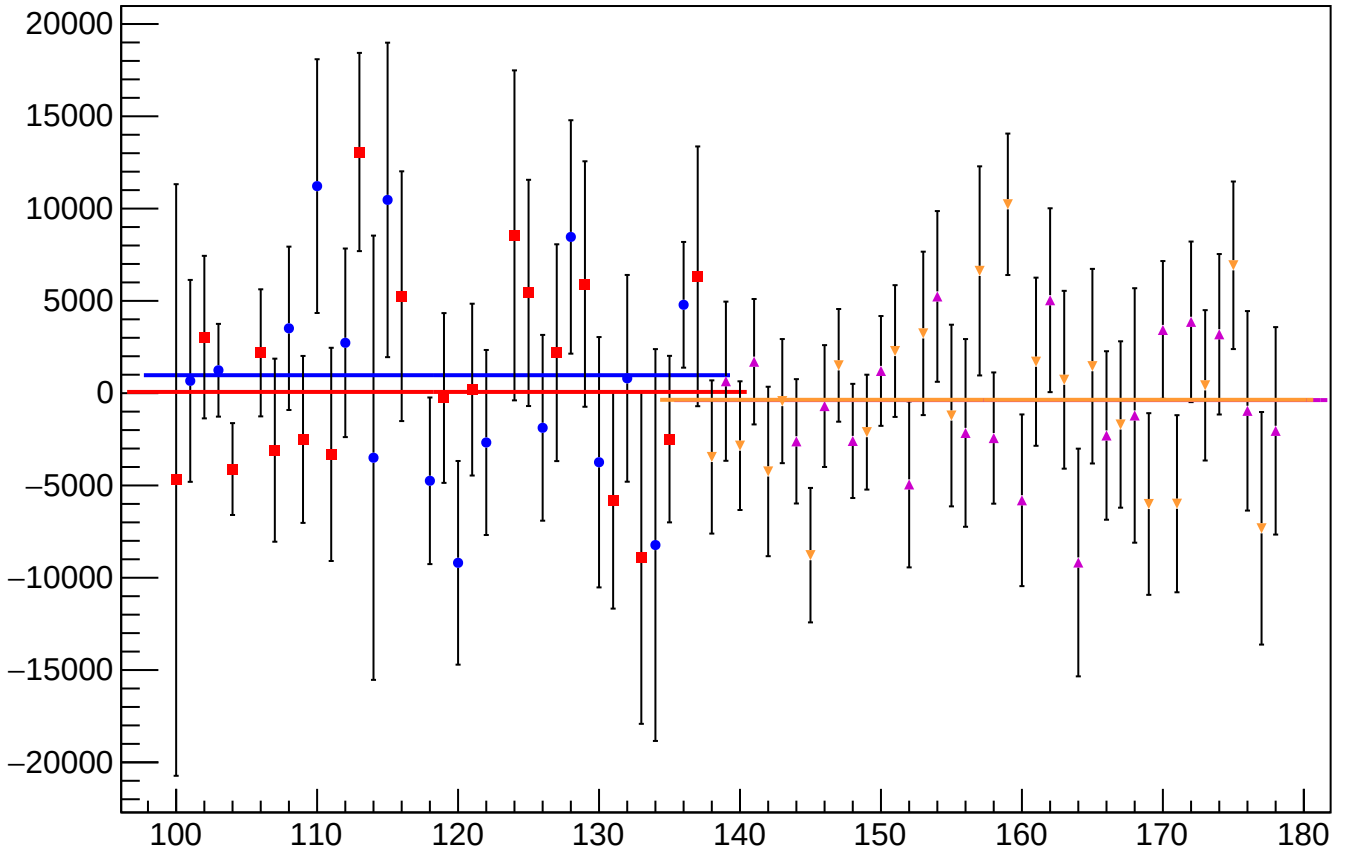
Left: 1106.412+/-0.136 χ^2/NDF: 196705.9/40

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1107.449+/-0.163 χ^2/NDF:899655.8/35

Out: 1101.564+/-0.160 χ^2/NDF:718604.9/39

All: 1104.464+/-0.114 χ^2/NDF: 1618923.7/75



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: -375.066+/-921.667 χ^2/NDF:12.2/19

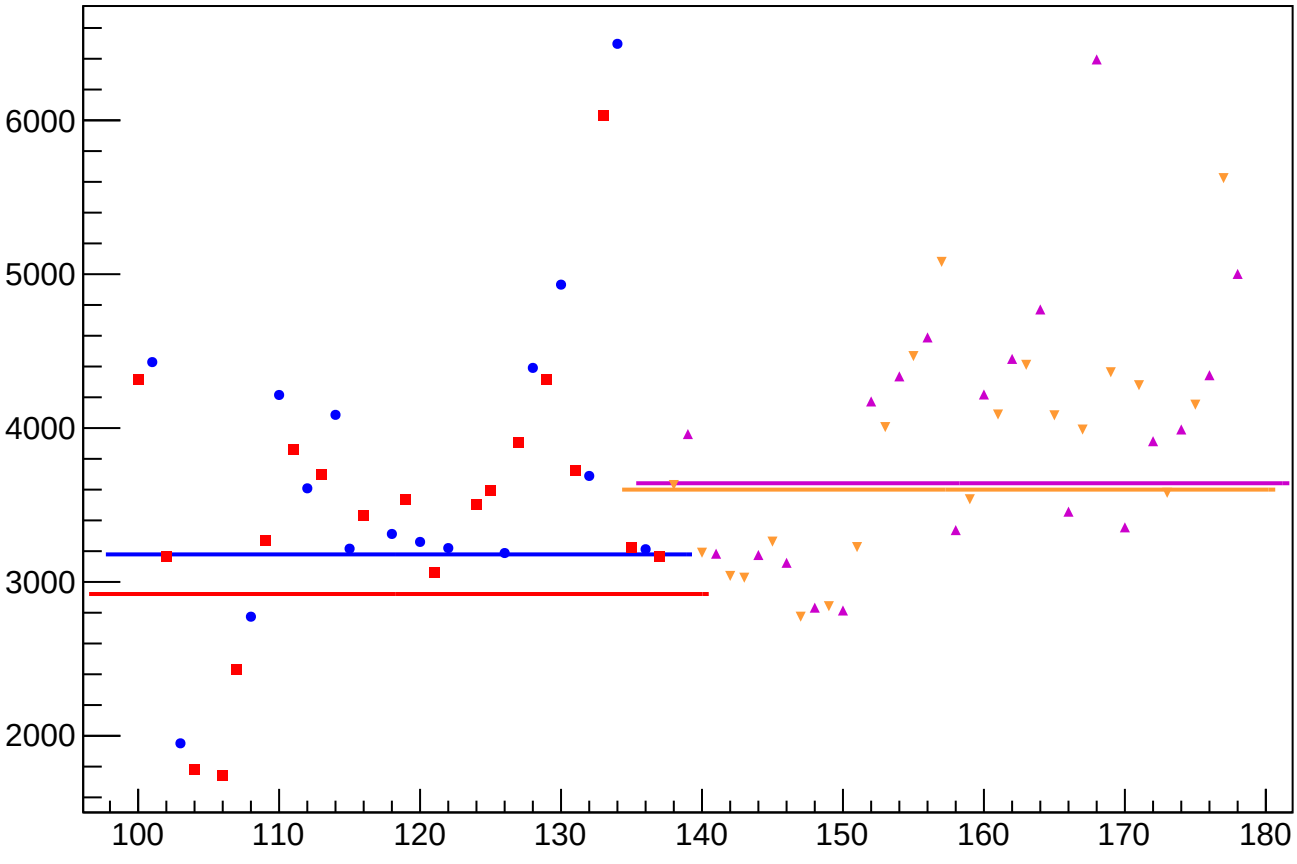
Left: -367.423+/-644.866 χ^2/NDF: 37.4/40

Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 108.356+/-738.176 χ^2/NDF:26.7/35

Out: -195.108+/-707.139 χ^2/NDF:42.2/39

All: -49.890+/-510.643 χ^2/NDF: 69.1/75



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: 3641.419+/-0.652 χ^2/NDF:1239631.7/19

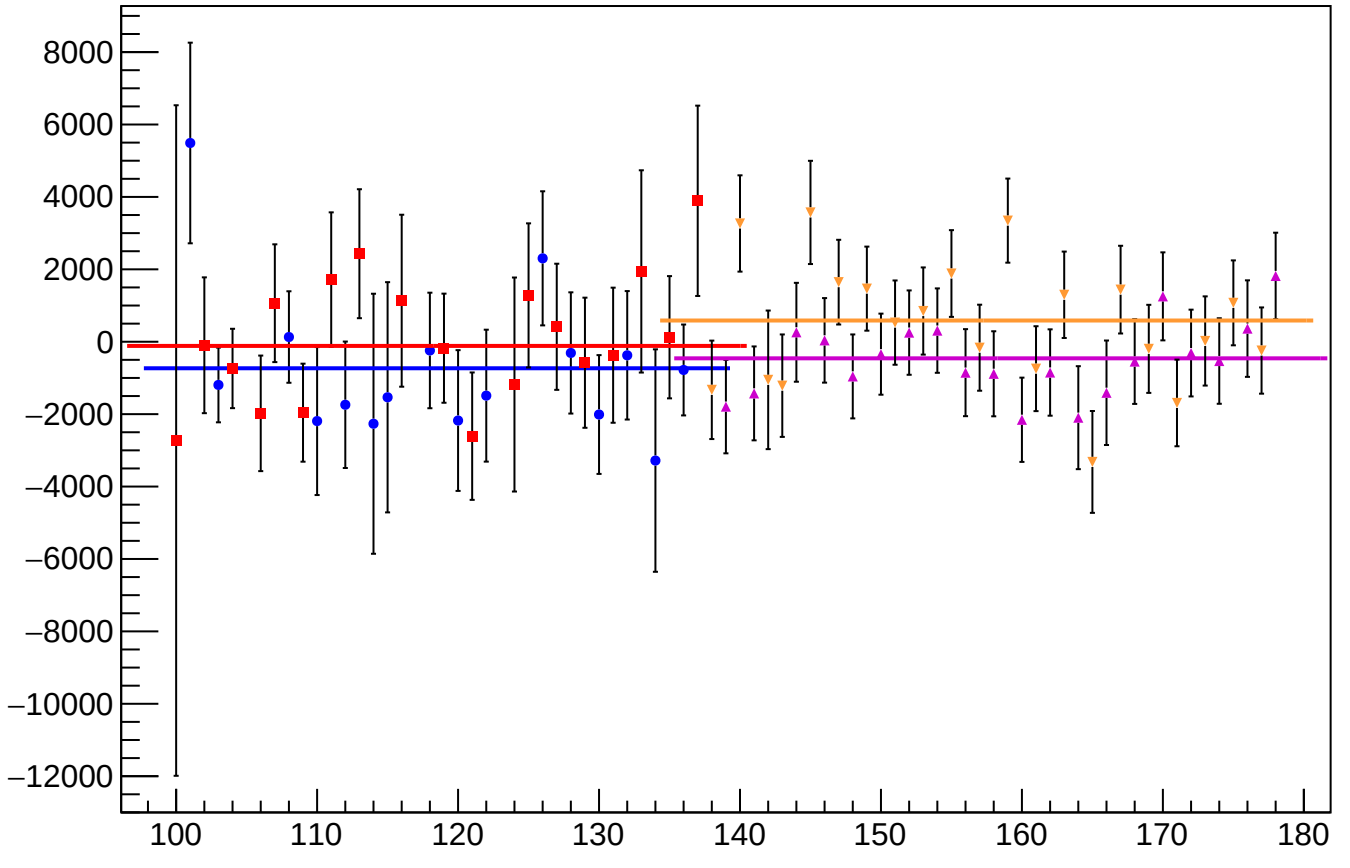
Left: 3620.288+/-0.456 χ^2/NDF: 2312982.3/40

Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3475.645+/-0.522 χ^2/NDF:2511329.7/35

Out: 3338.035+/-0.500 χ^2/NDF:2820502.6/39

All: 3403.886+/-0.361 χ^2/NDF: 5368076.1/75



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: -458.334+/-273.219 χ^2/NDF:13.3/19

Left: 66.044+/-192.818 χ^2/NDF: 56.9/40

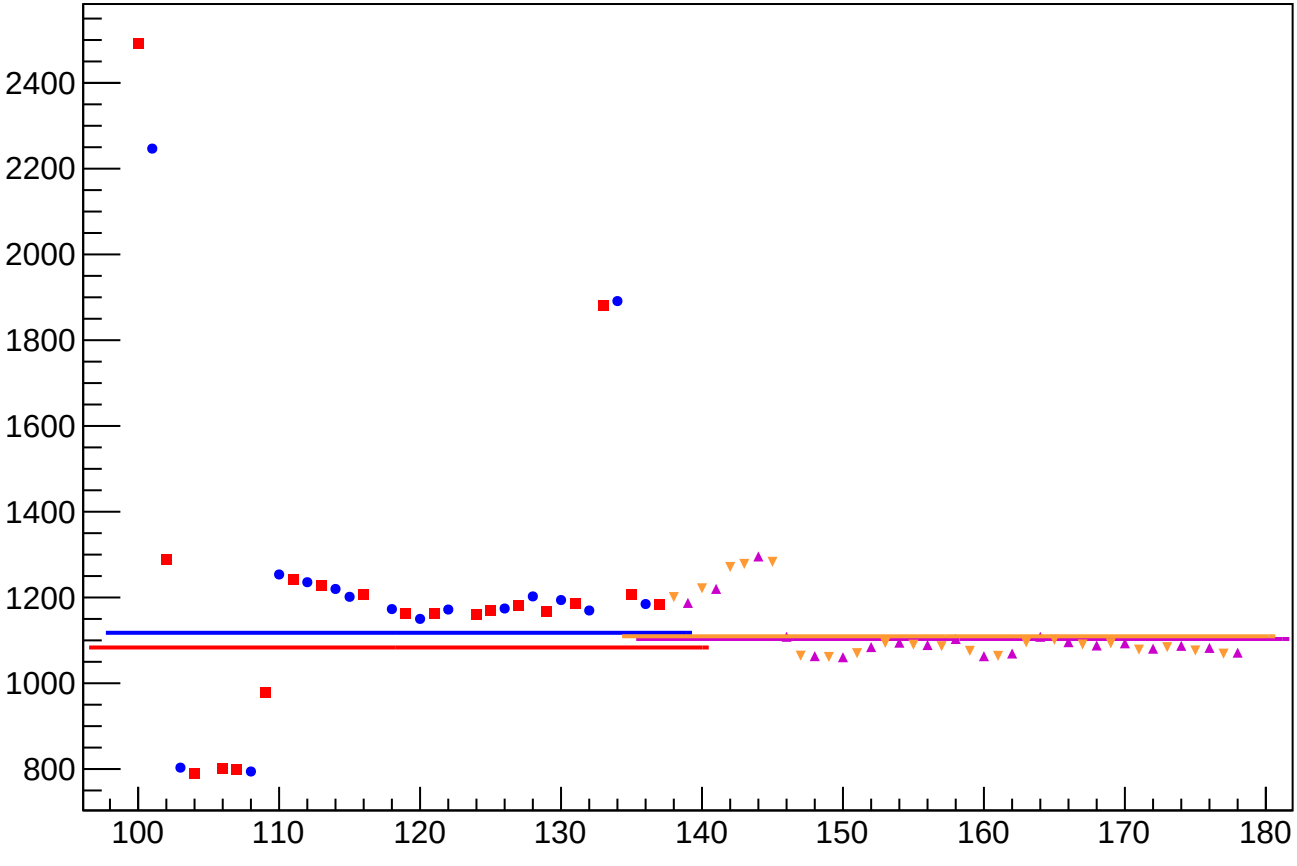
Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -537.927+/-230.200 χ^2/NDF:25.3/35

Out: 372.787+/-226.990 χ^2/NDF:51.4/39

All: -76.177+/-161.629 χ^2/NDF: 84.6/75

eigen_cor_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



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: 1103.266+/-0.193 χ^2/NDF:78208.2/19

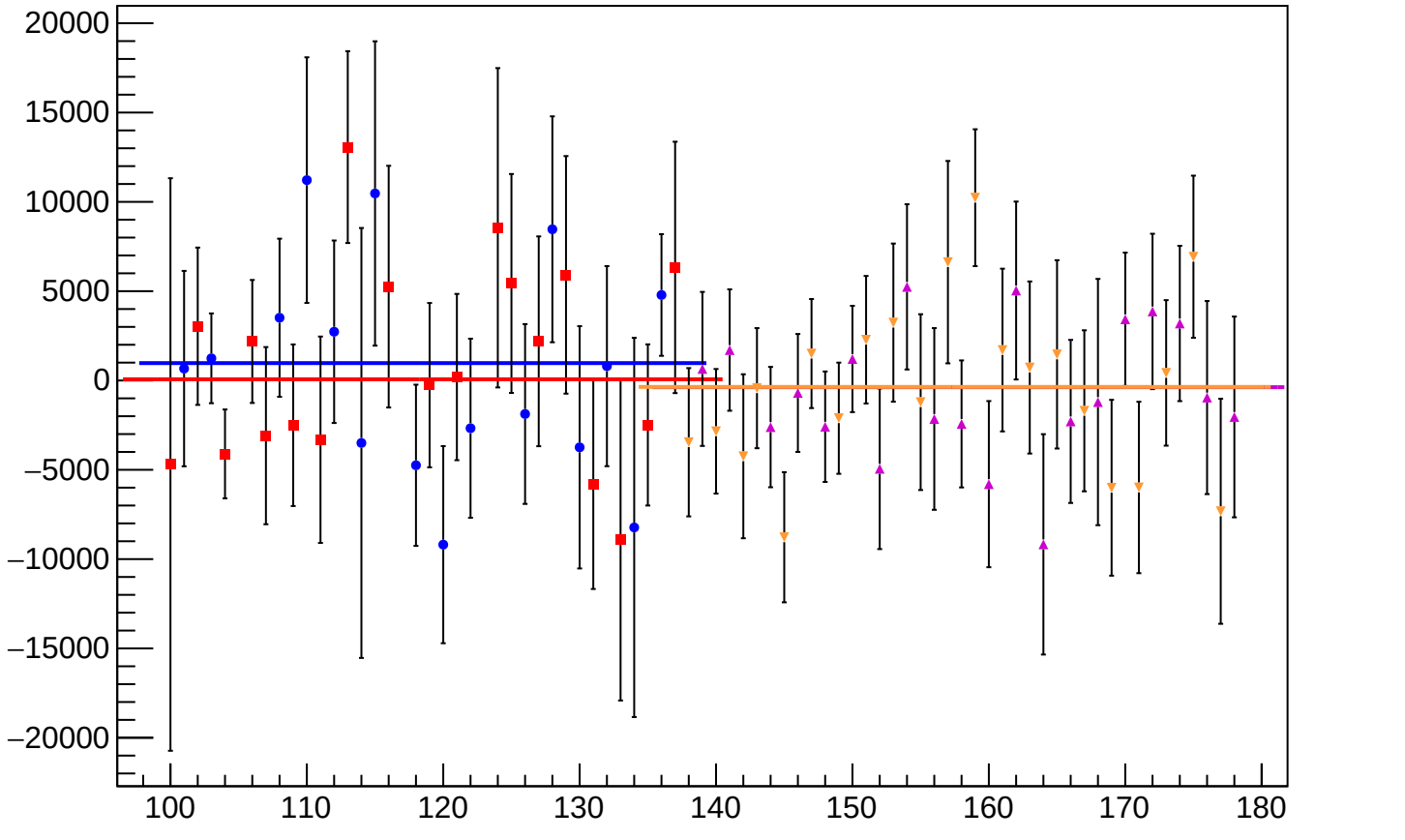
Left: 1106.412+/-0.136 χ^2/NDF: 196705.9/40

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1107.449+/-0.163 χ^2/NDF:899655.8/35

Out: 1101.564+/-0.160 χ^2/NDF:718604.9/39

All: 1104.464+/-0.114 χ^2/NDF: 1618923.7/75



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: -375.066+/-921.667 χ^2/NDF:12.2/19

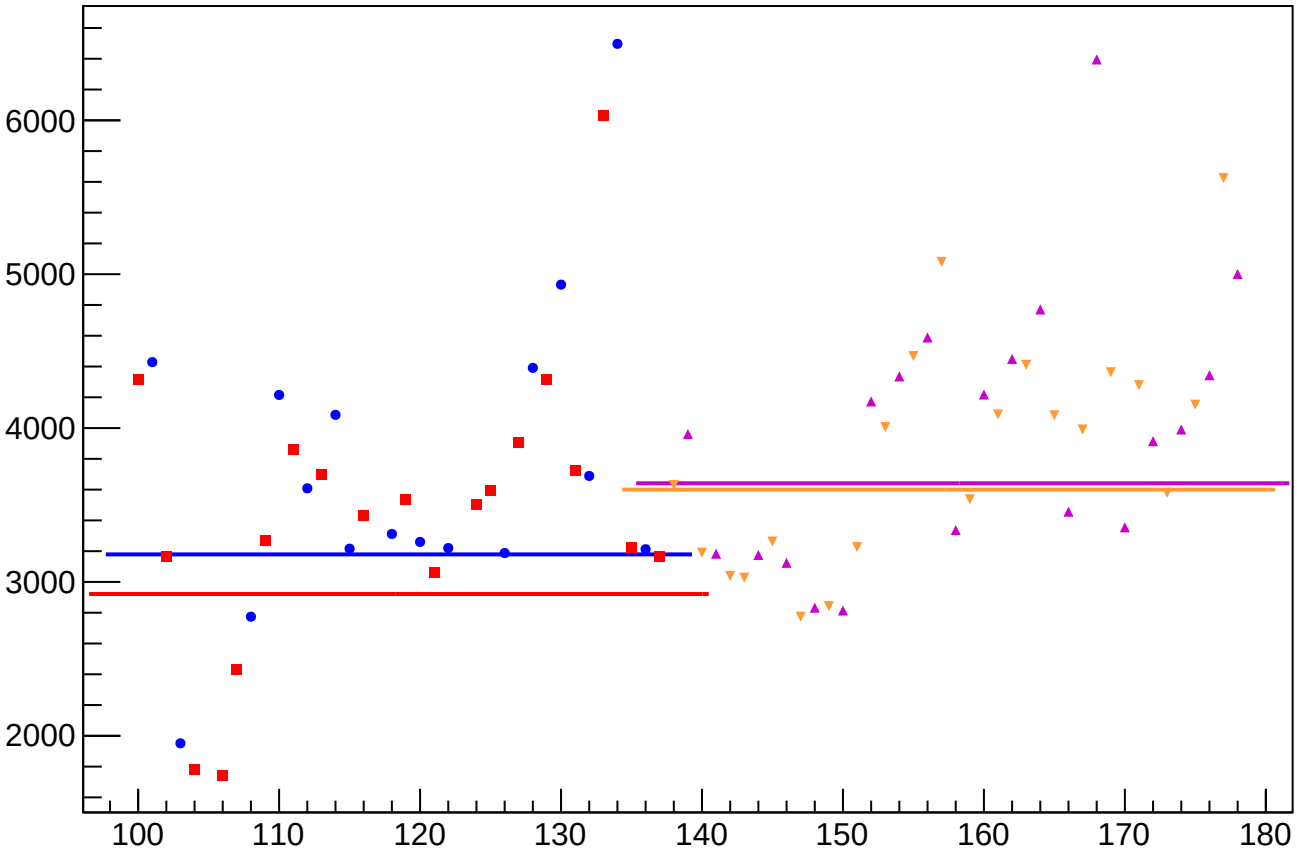
Left: -367.423+/-644.866 χ^2/NDF: 37.4/40

Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 108.356+/-738.176 χ^2/NDF:26.7/35

Out: -195.108+/-707.139 χ^2/NDF:42.2/39

All: -49.890+/-510.643 χ^2/NDF: 69.1/75



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: 3641.419+/-0.652 χ^2/NDF:1239631.7/19

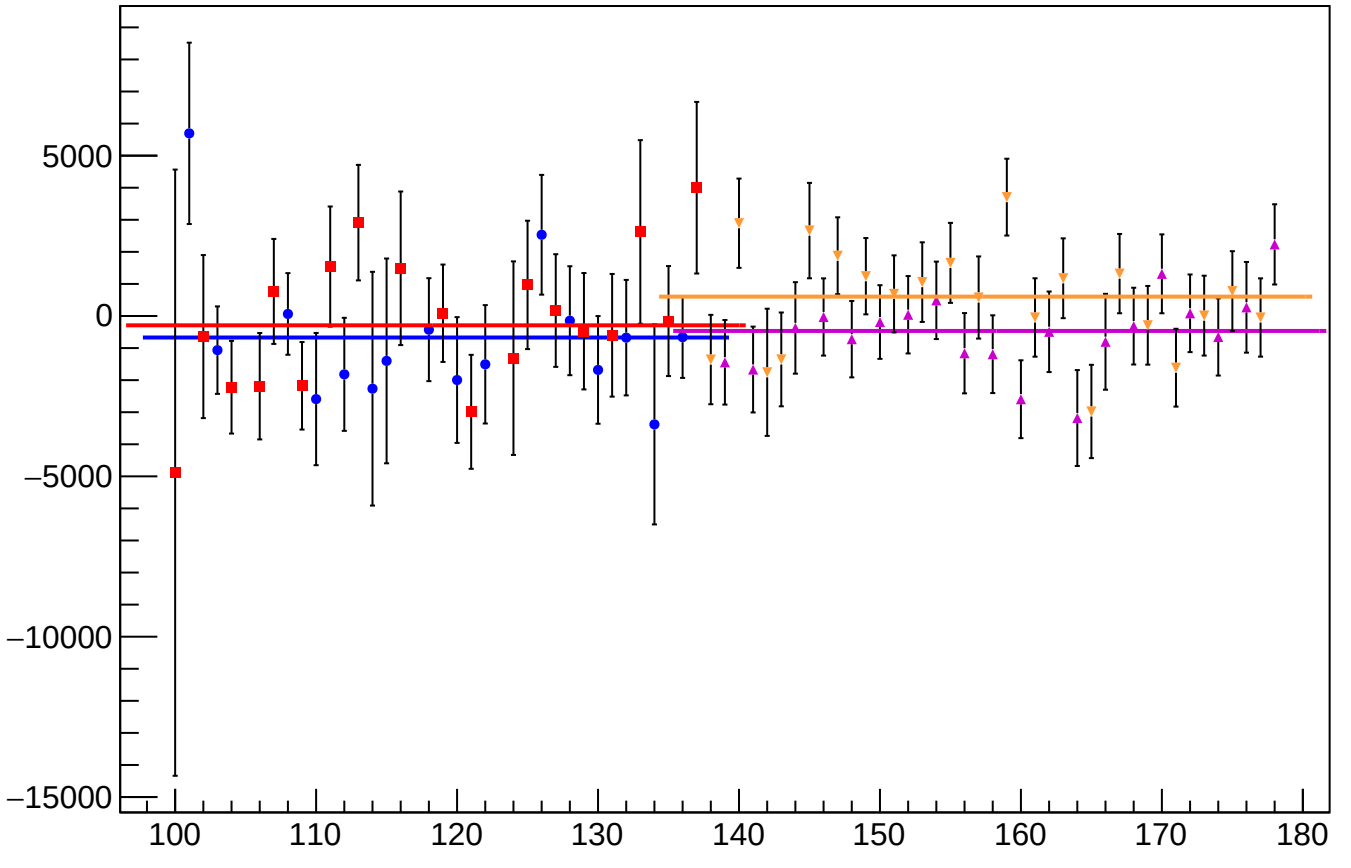
Left: 3620.288+/-0.456 χ^2/NDF: 2312982.3/40

Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3475.645+/-0.522 χ^2/NDF:2511329.7/35

Out: 3338.035+/-0.500 χ^2/NDF:2820502.6/39

All: 3403.886+/-0.361 χ^2/NDF: 5368076.1/75



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: -465.833+/-282.287 χ^2/NDF:16.8/19

Left: 71.233+/-199.243 χ^2/NDF: 54.0/40

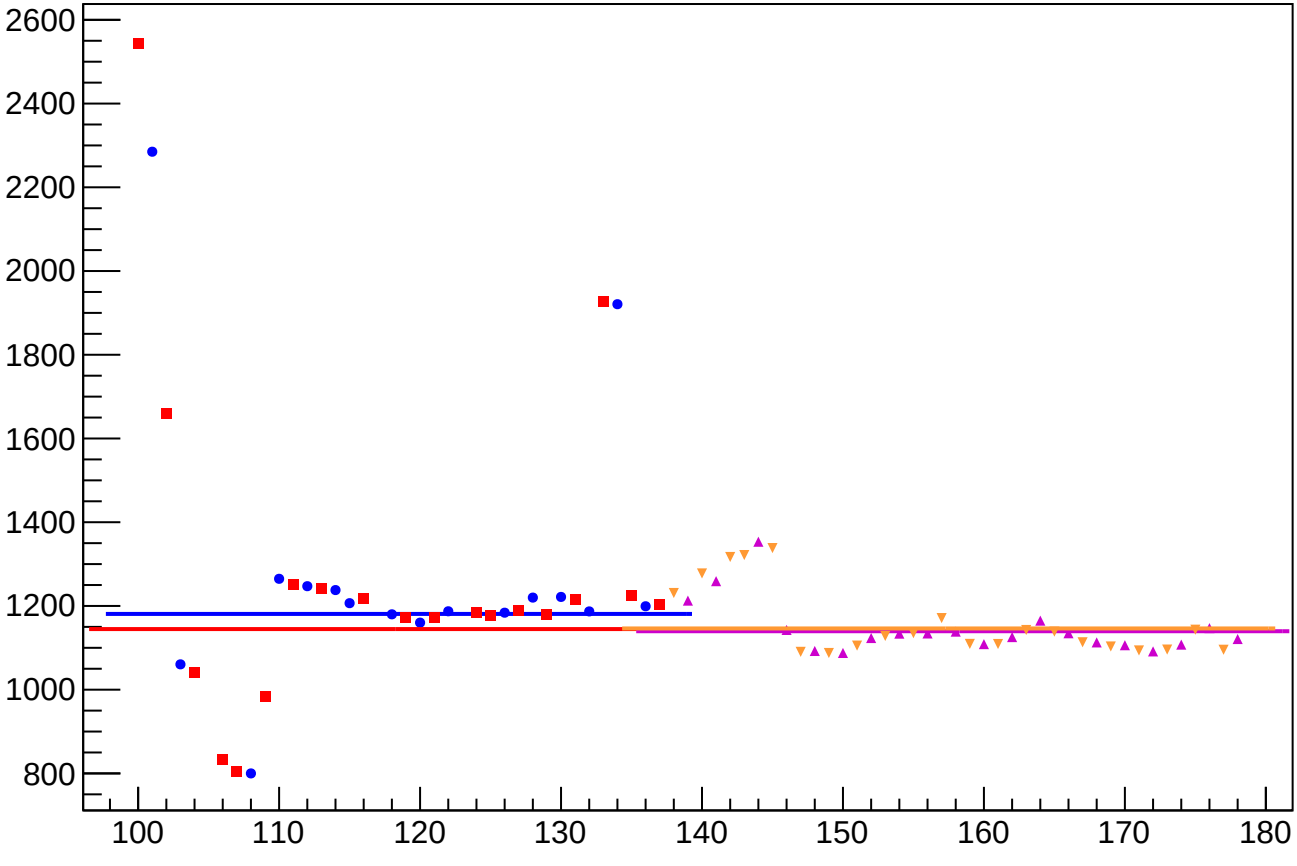
Right: -474.501+/-312.042 χ^2/NDF: 29.2/34

In: -523.996+/-238.905 χ^2/NDF:28.8/35

Out: 340.138+/-236.098 χ^2/NDF:50.0/39

All: -86.823+/-167.930 χ^2/NDF: 85.4/75

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: 1139.623+/-0.200 χ^2/NDF:84398.2/19

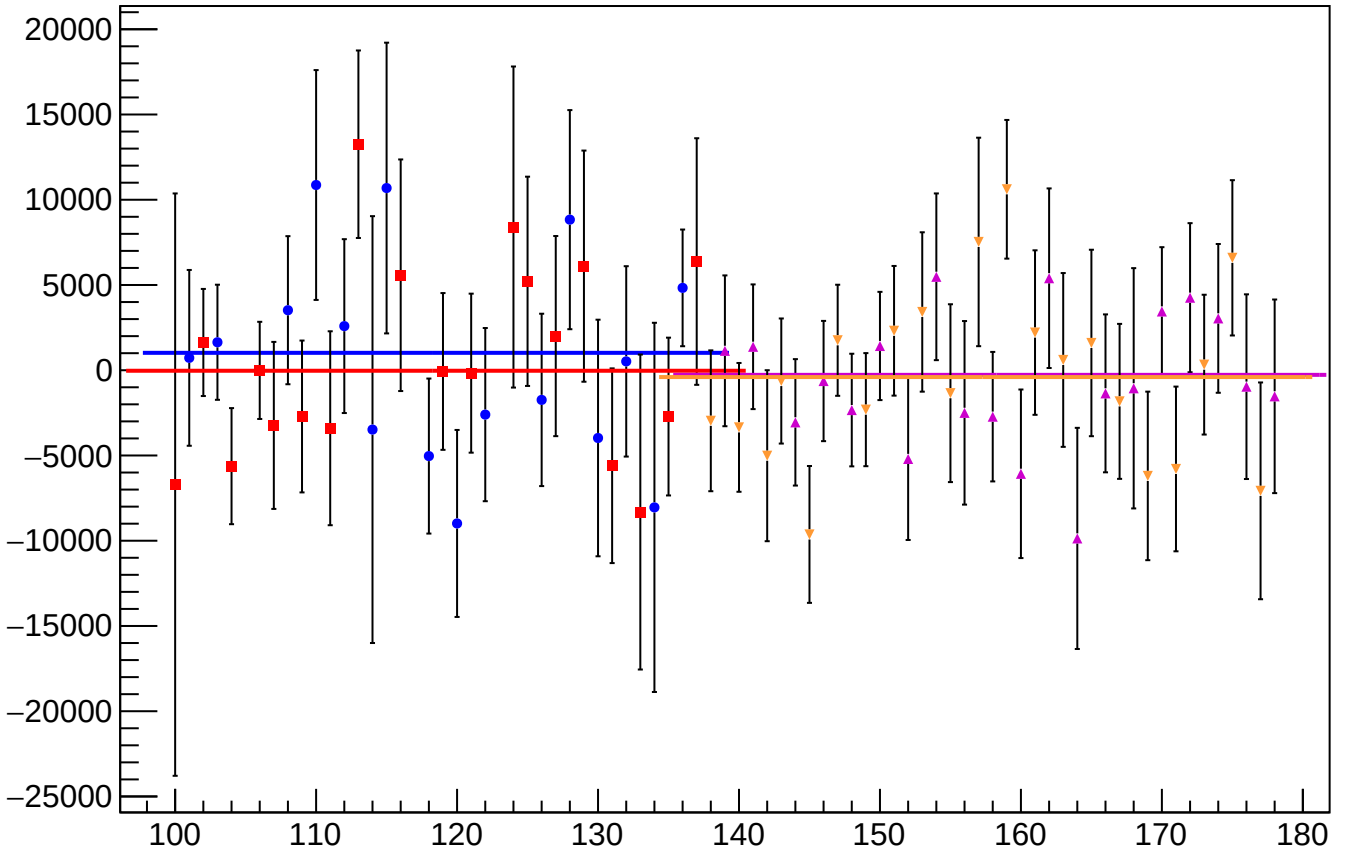
Left: 1142.957+/-0.141 χ^2/NDF: 218122.6/40

Right: 1162.281+/-0.221 χ^2/NDF: 1126326.7/34

In: 1151.351+/-0.169 χ^2/NDF:718442.9/35

Out: 1145.826+/-0.167 χ^2/NDF:630915.8/39

All: 1148.555+/-0.119 χ^2/NDF: 1349900.0/75



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: -270.923+/-967.802 χ^2/NDF:12.1/19

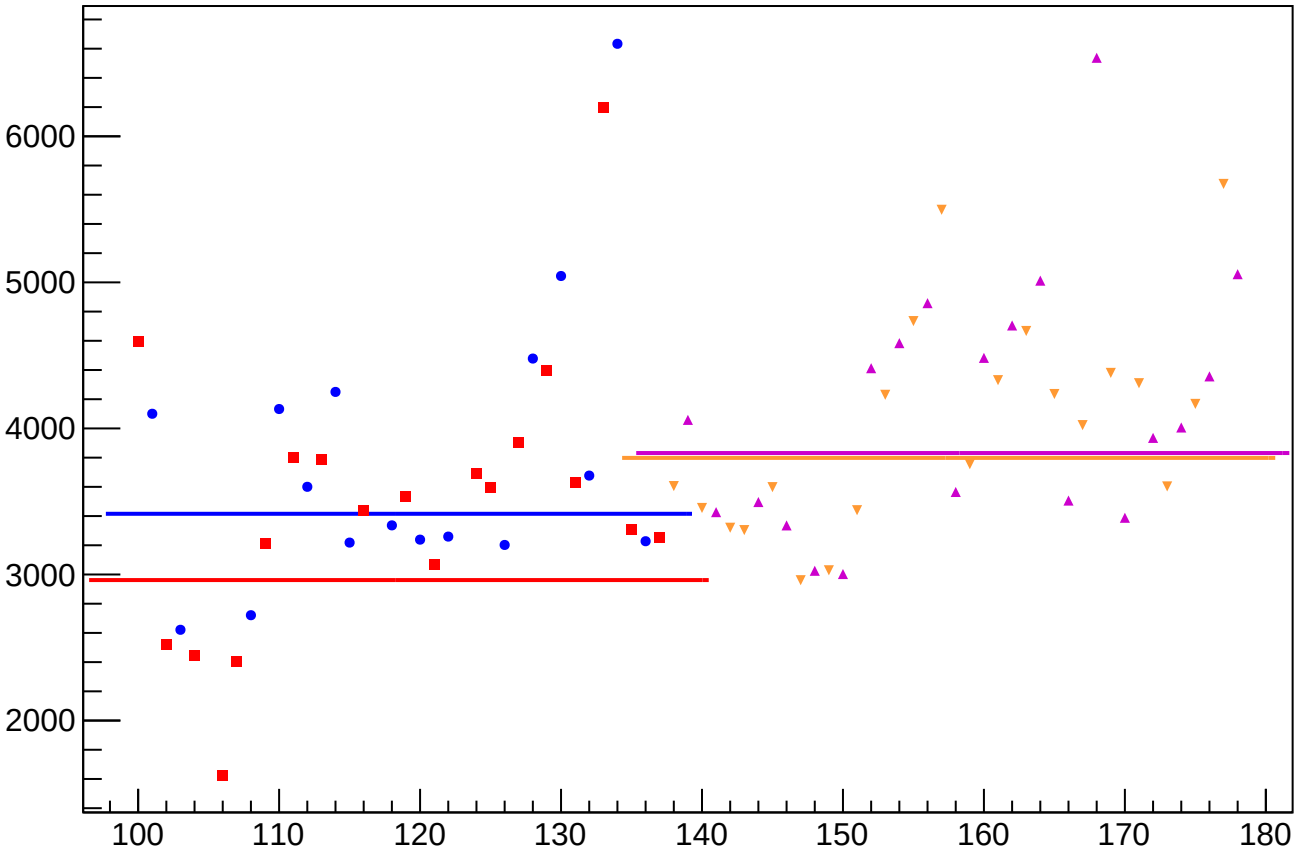
Left: -336.922+/-677.902 χ^2/NDF: 36.9/40

Right: 421.650+/-853.851 χ^2/NDF: 30.4/34

In: 188.677+/-776.817 χ^2/NDF:26.6/35

Out: -247.274+/-727.296 χ^2/NDF:41.0/39

All: -43.636+/-530.920 χ^2/NDF: 67.8/75



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: 3831.556+/-0.684 χ^2/NDF:1105244.7/19

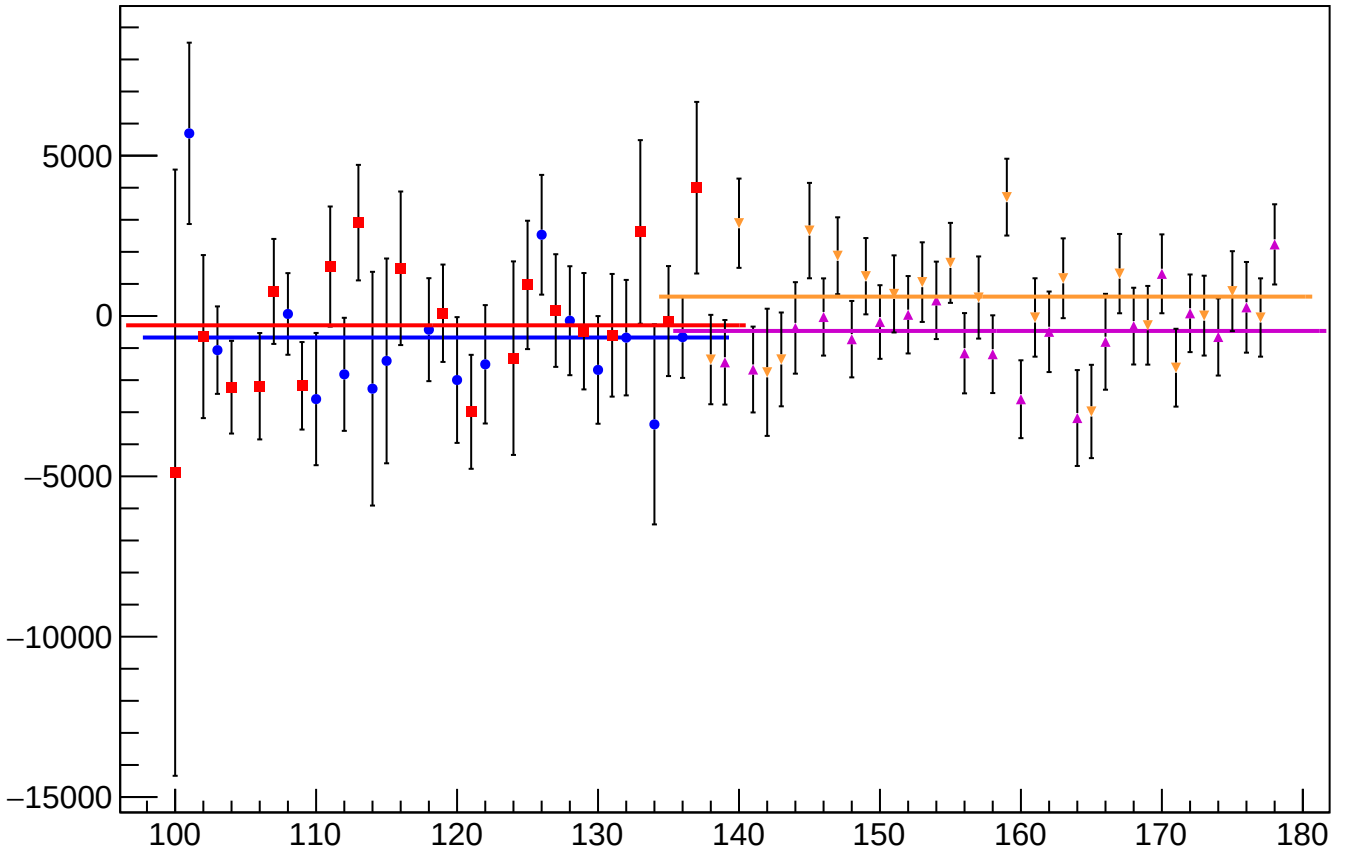
Left: 3814.596+/-0.479 χ^2/NDF: 2022629.3/40

Right: 3156.834+/-0.604 χ^2/NDF: 1900046.9/34

In: 3683.584+/-0.549 χ^2/NDF:1829017.3/35

Out: 3452.208+/-0.514 χ^2/NDF:2727100.6/39

All: 3560.287+/-0.375 χ^2/NDF: 4650668.0/75



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: -465.834+/-282.287 χ^2/NDF:16.8/19

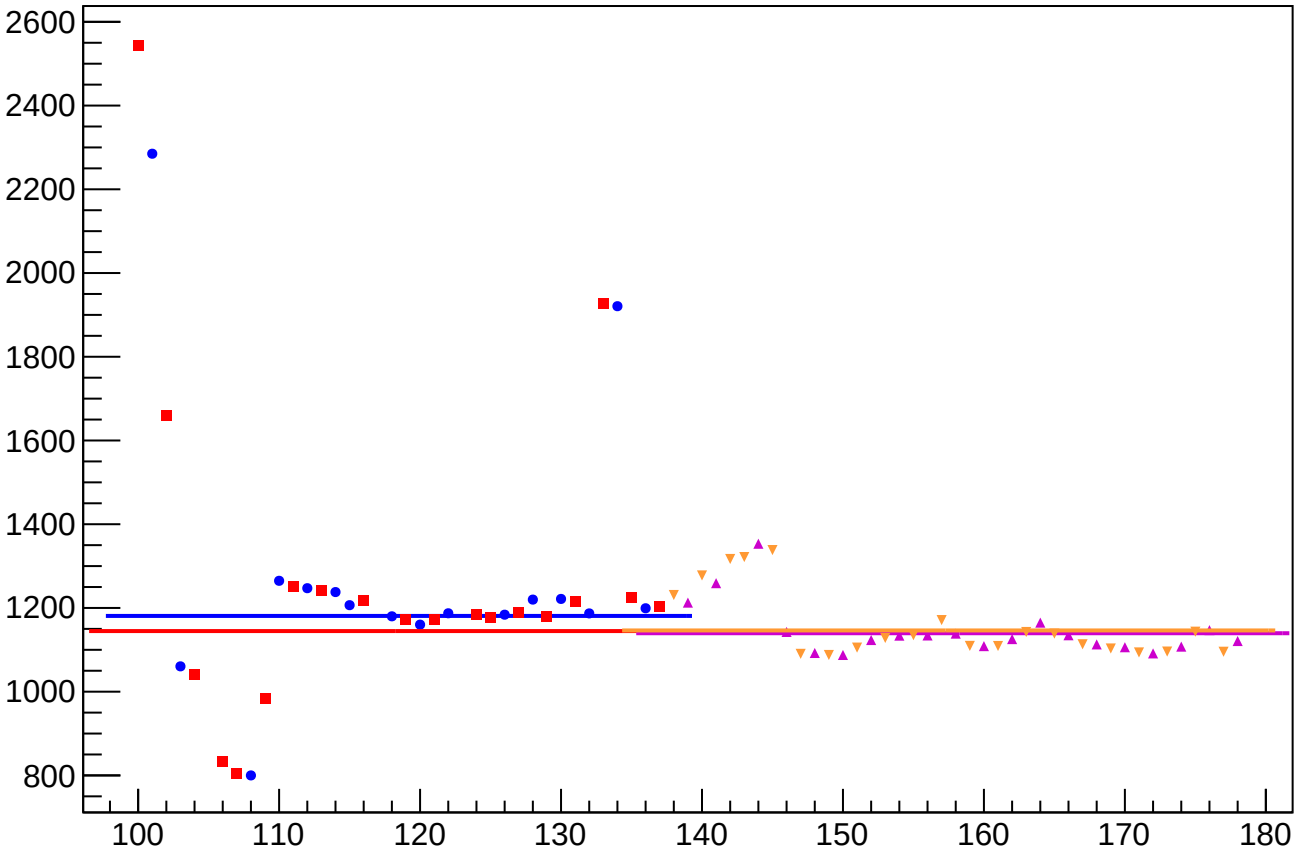
Left: 71.235+/-199.243 χ^2/NDF: 54.0/40

Right: -474.506+/-312.042 χ^2/NDF: 29.2/34

In: -523.998+/-238.905 χ^2/NDF:28.8/35

Out: 340.139+/-236.098 χ^2/NDF:50.0/39

All: -86.824+/-167.930 χ^2/NDF: 85.4/75



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: 1139.624+/-0.200 χ^2/NDF:84398.0/19

Left: 1142.957+/-0.141 χ^2/NDF: 218122.5/40

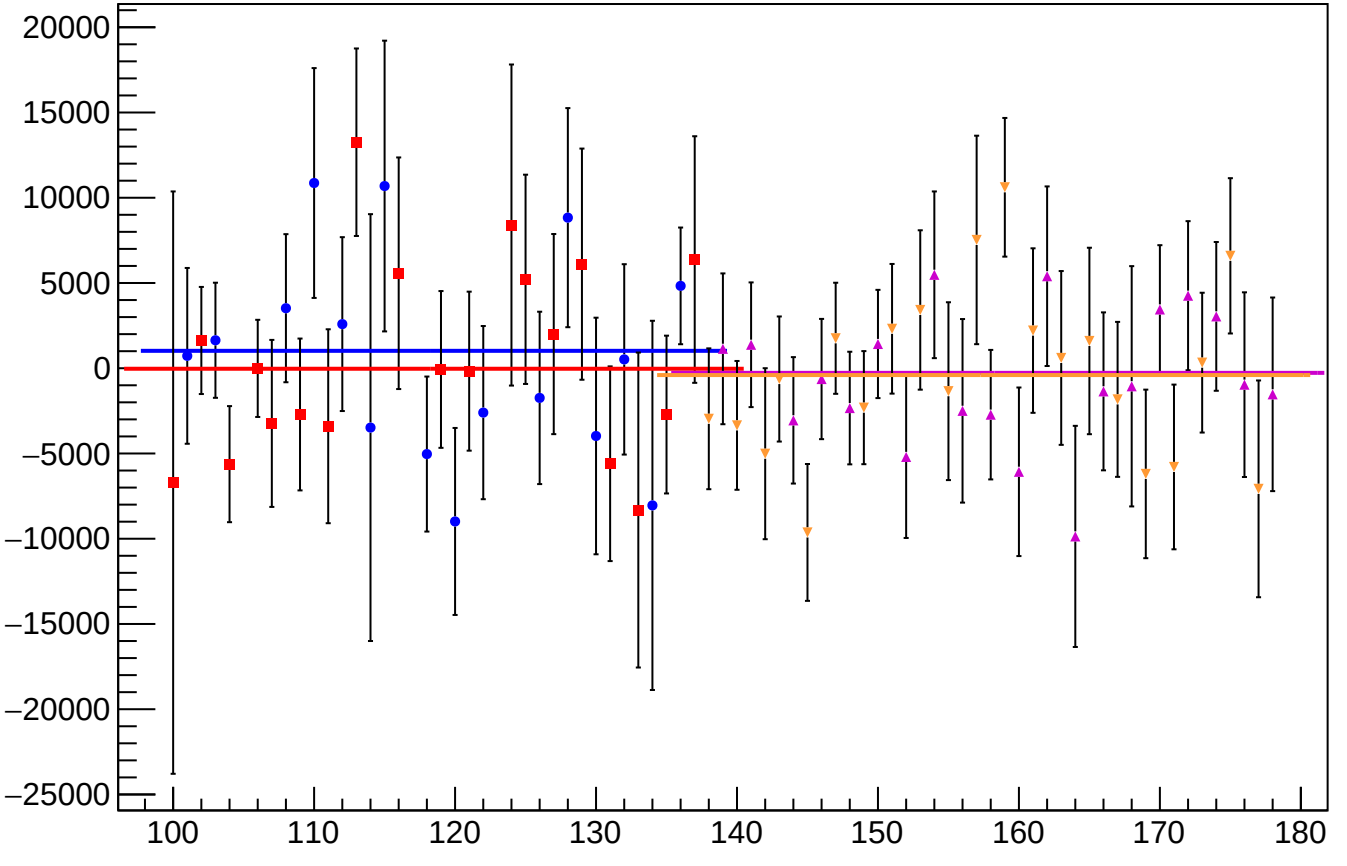
Right: 1162.281+/-0.221 χ^2/NDF: 1126326.4/34

In: 1151.351+/-0.169 χ^2/NDF:718442.4/35

Out: 1145.826+/-0.167 χ^2/NDF:630915.6/39

All: 1148.556+/-0.119 χ^2/NDF: 1349899.2/75

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: -270.921+/-967.803 χ^2/NDF:12.1/19

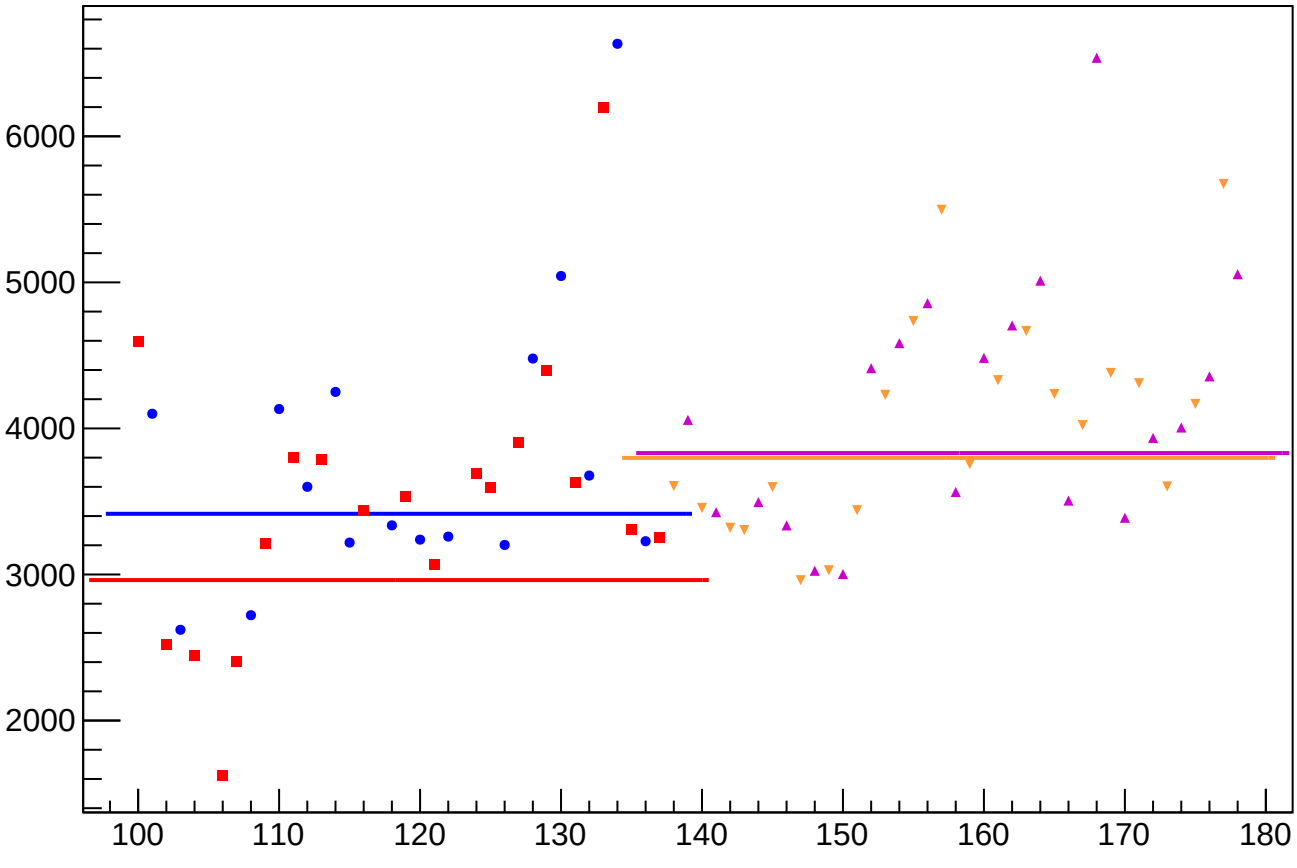
Left: -336.921+/-677.903 χ^2/NDF: 36.9/40

Right: 421.639+/-853.849 χ^2/NDF: 30.4/34

In: 188.673+/-776.817 χ^2/NDF:26.6/35

Out: -247.275+/-727.296 χ^2/NDF:41.0/39

All: -43.639+/-530.920 χ^2/NDF: 67.8/75



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: 3831.561+/-0.684 χ^2/NDF:1105246.6/19

Left: 3814.601+/-0.479 χ^2/NDF: 2022630.6/40

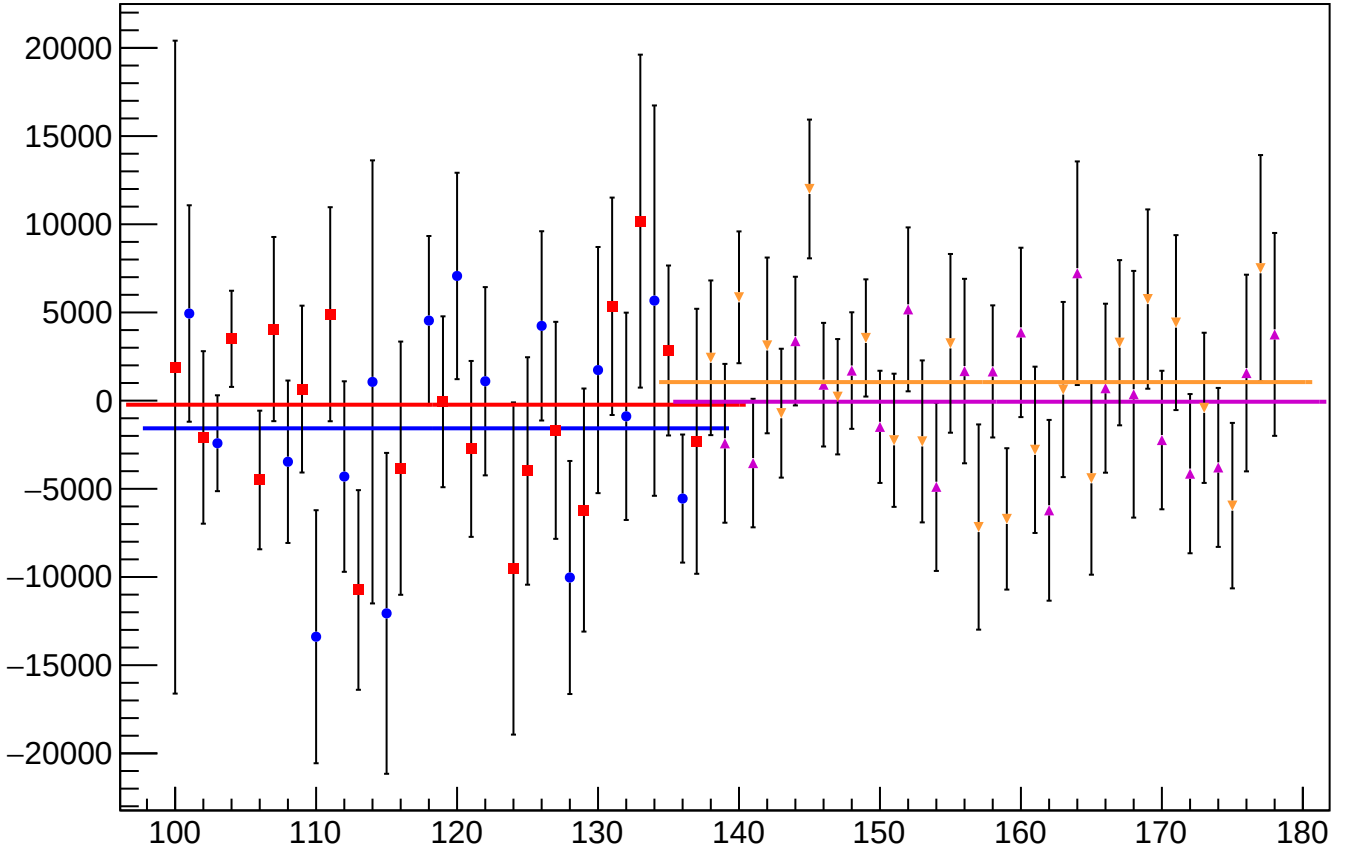
Right: 3156.830+/-0.604 χ^2/NDF: 1900042.9/34

In: 3683.585+/-0.549 χ^2/NDF:1829019.7/35

Out: 3452.208+/-0.514 χ^2/NDF:2727115.9/39

All: 3560.287+/-0.375 χ^2/NDF: 4650687.0/75

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: -62.849+/-968.739 χ^2/NDF:11.0/19

Left: 504.265+/-678.820 χ^2/NDF: 36.1/40

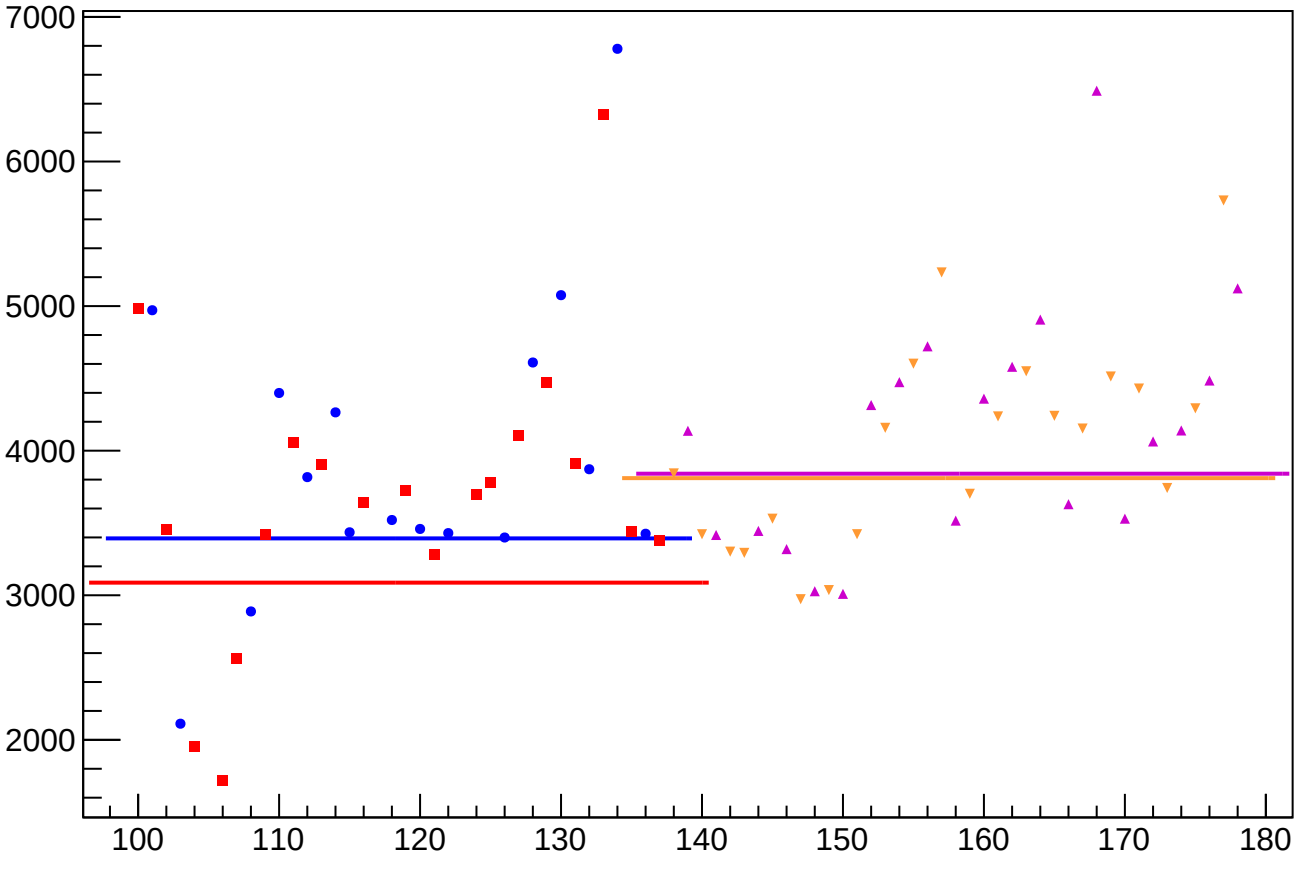
Right: -853.767+/-895.415 χ^2/NDF: 28.2/34

In: -594.057+/-779.517 χ^2/NDF:26.4/35

Out: 568.442+/-751.283 χ^2/NDF:38.3/39

All: 8.626+/-540.944 χ^2/NDF: 65.8/75

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: 3840.796+/-0.685 χ^2/NDF:1053574.3/19

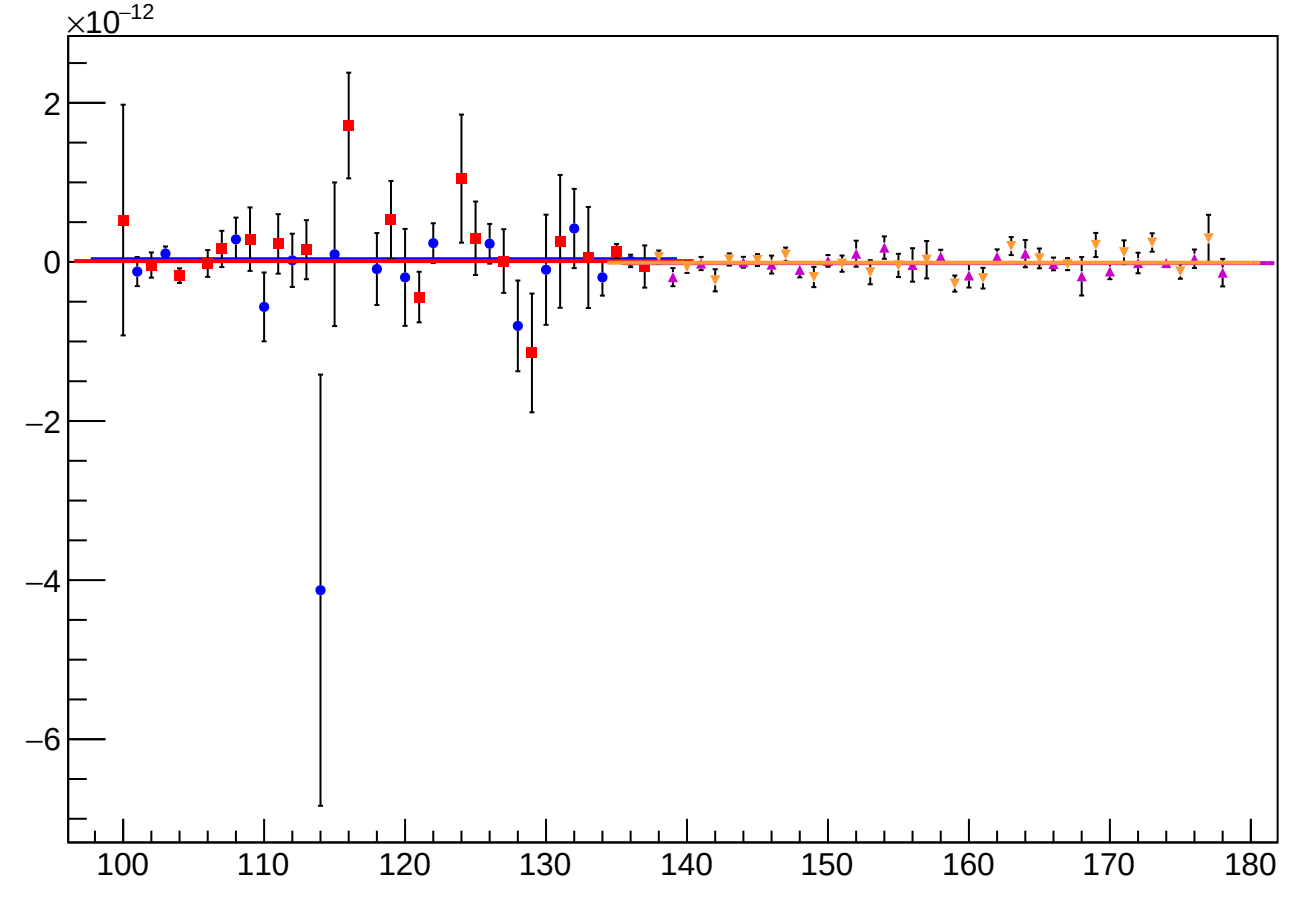
Left: 3825.186+/-0.480 χ^2/NDF: 1943601.8/40

Right: 3227.090+/-0.627 χ^2/NDF: 2436107.0/34

In: 3683.075+/-0.551 χ^2/NDF:2252676.2/35

Out: 3532.196+/-0.528 χ^2/NDF:2661171.7/39

All: 3604.369+/-0.381 χ^2/NDF: 4952933.2/75



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:11.4/19

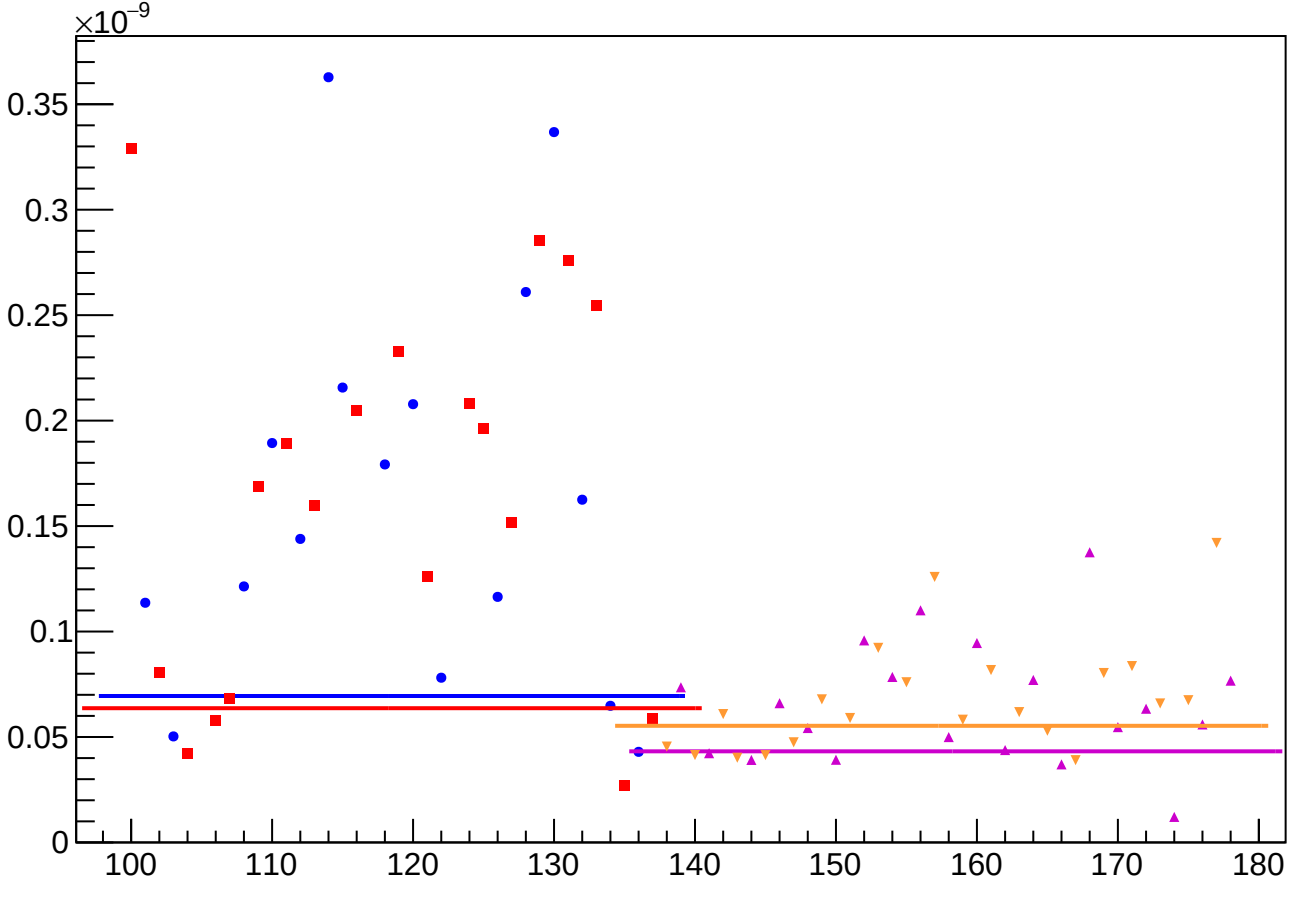
Left: -0.000+/-0.000 χ^2/NDF: 42.6/40

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: -0.000+/-0.000 χ^2/NDF:24.0/35

Out: -0.000+/-0.000 χ^2/NDF:53.2/39

All: -0.000+/-0.000 χ^2/NDF: 77.2/75



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:2750984.0/19

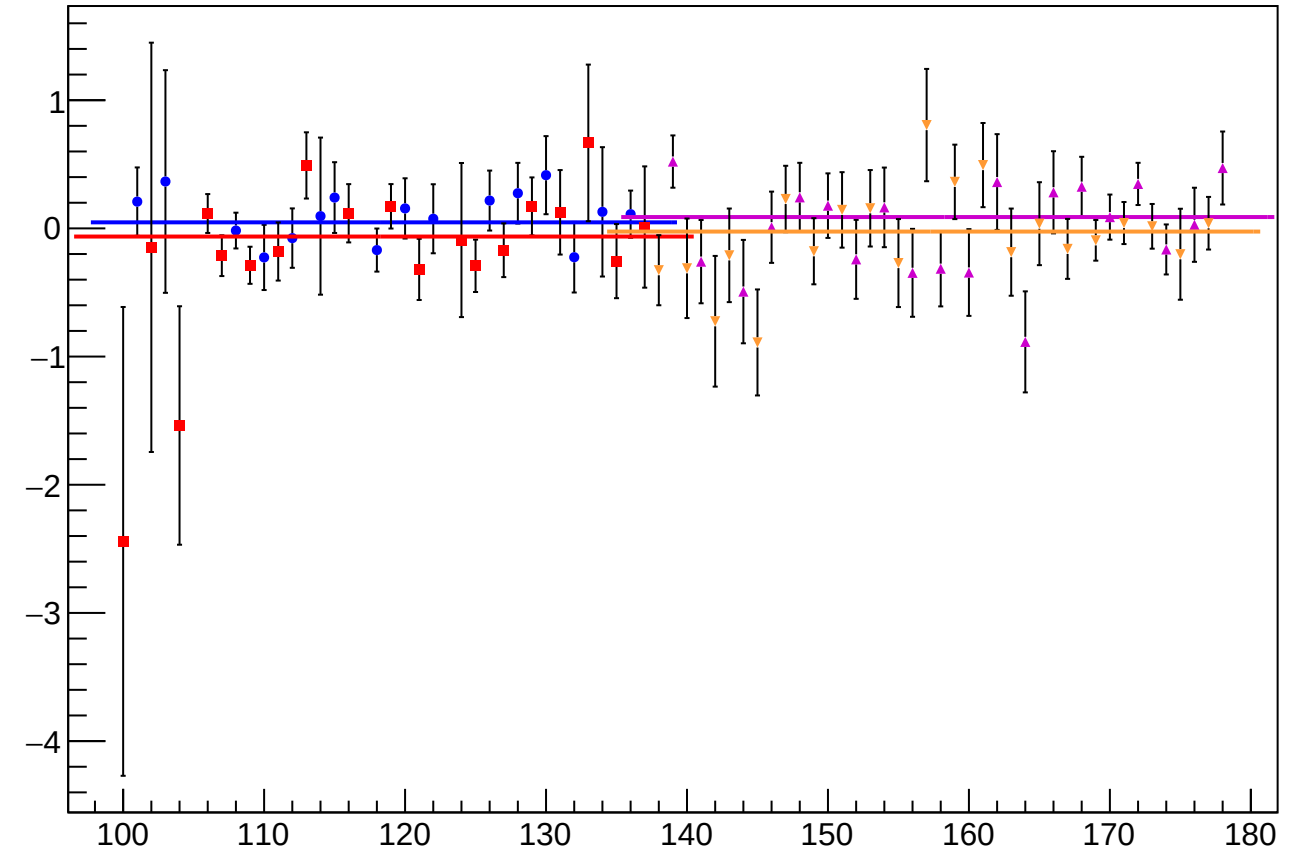
Left: 0.000+/-0.000 χ^2/NDF: 4217143.5/40

Right: 0.000+/-0.000 χ^2/NDF: 3993621.5/34

In: 0.000+/-0.000 χ^2/NDF:4966428.7/35

Out: 0.000+/-0.000 χ^2/NDF:3459745.3/39

All: 0.000+/-0.000 χ^2/NDF: 8651920.6/75



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: 0.088+/-0.058 χ^2/NDF:28.6/19

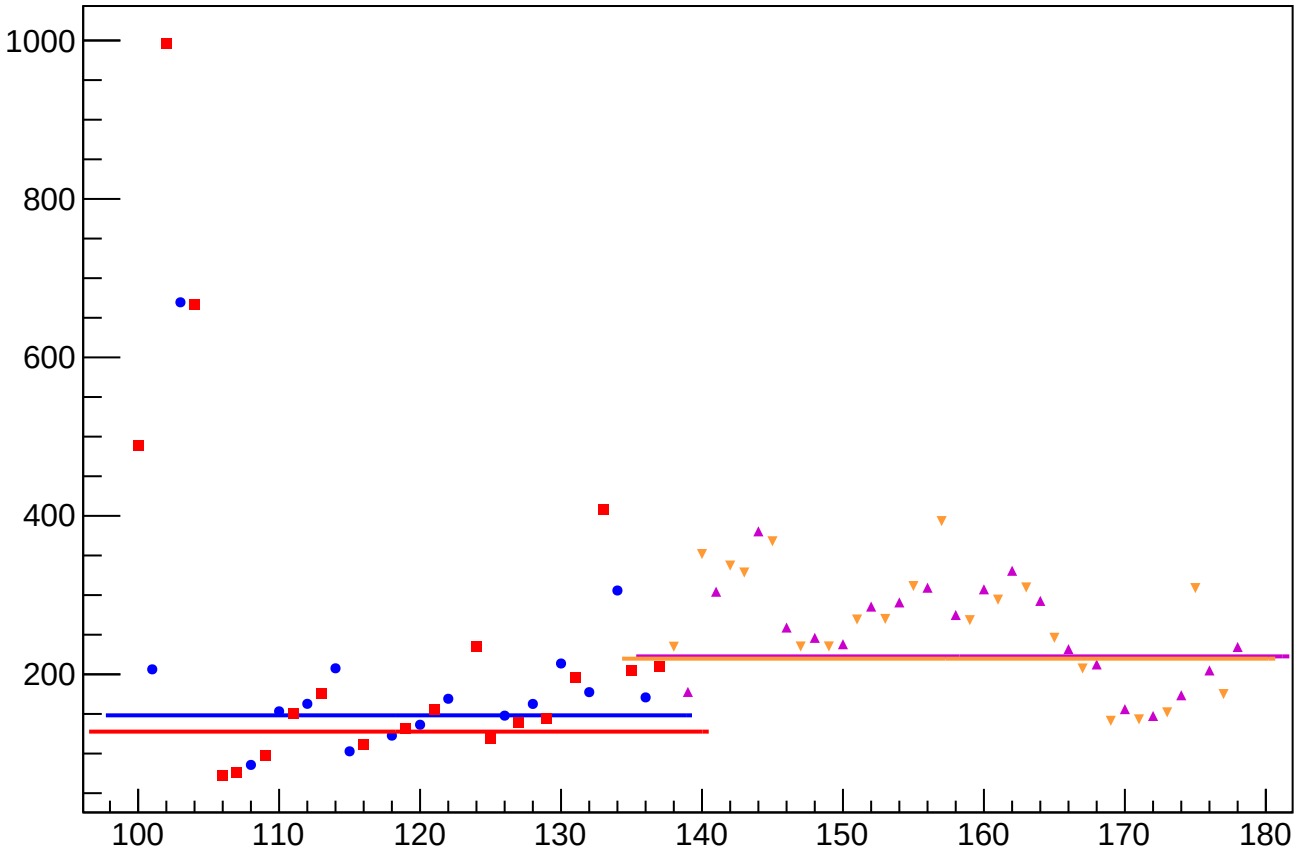
Left: 0.031+/-0.041 χ^2/NDF: 50.6/40

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.068+/-0.042 χ^2/NDF:37.4/35

Out: -0.045+/-0.040 χ^2/NDF:42.5/39

All: 0.008+/-0.029 χ^2/NDF: 83.8/75



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: 222.641+/-0.041 χ^2/NDF:2158674.6/19

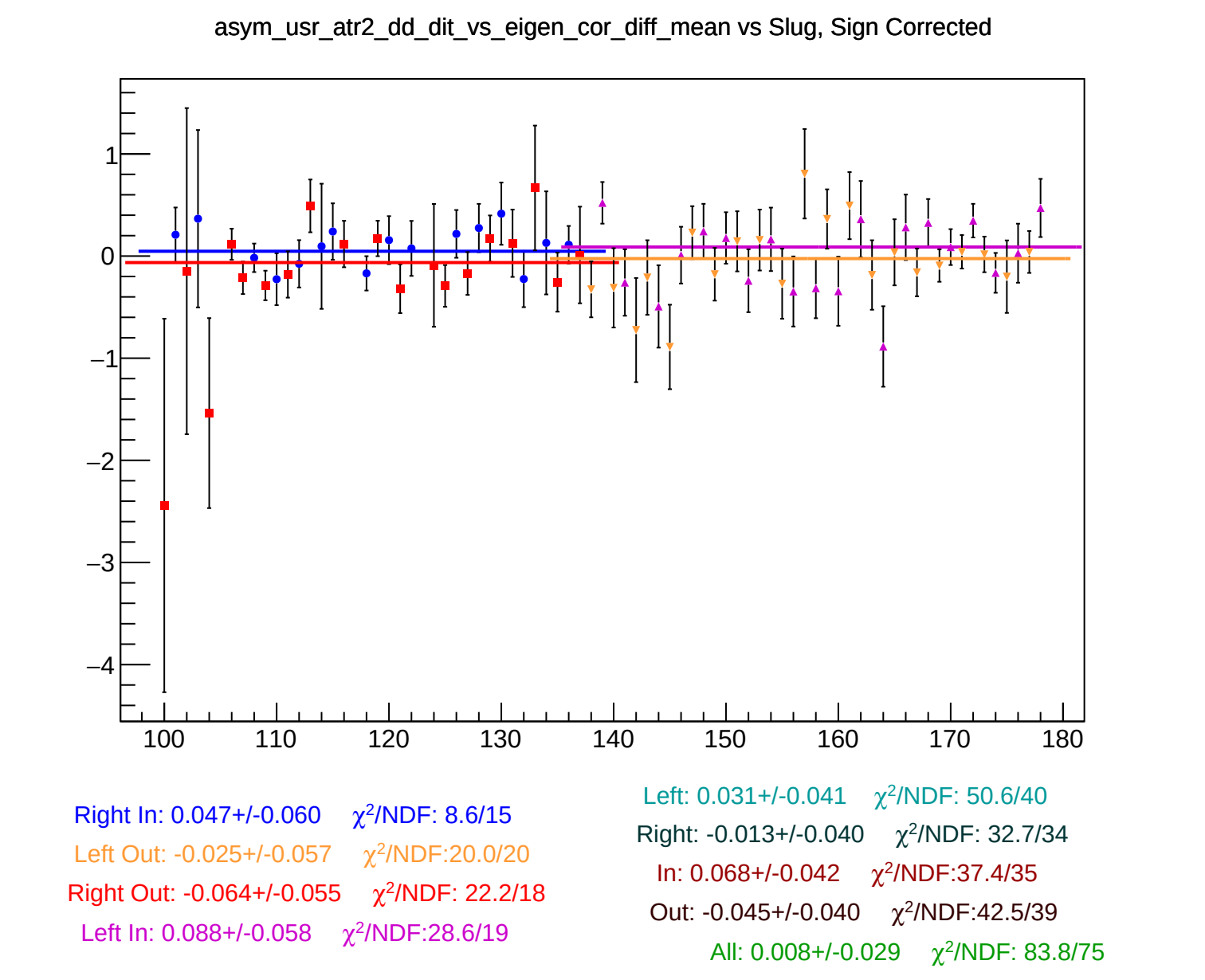
Left: 221.180+/-0.029 χ^2/NDF: 5288936.9/40

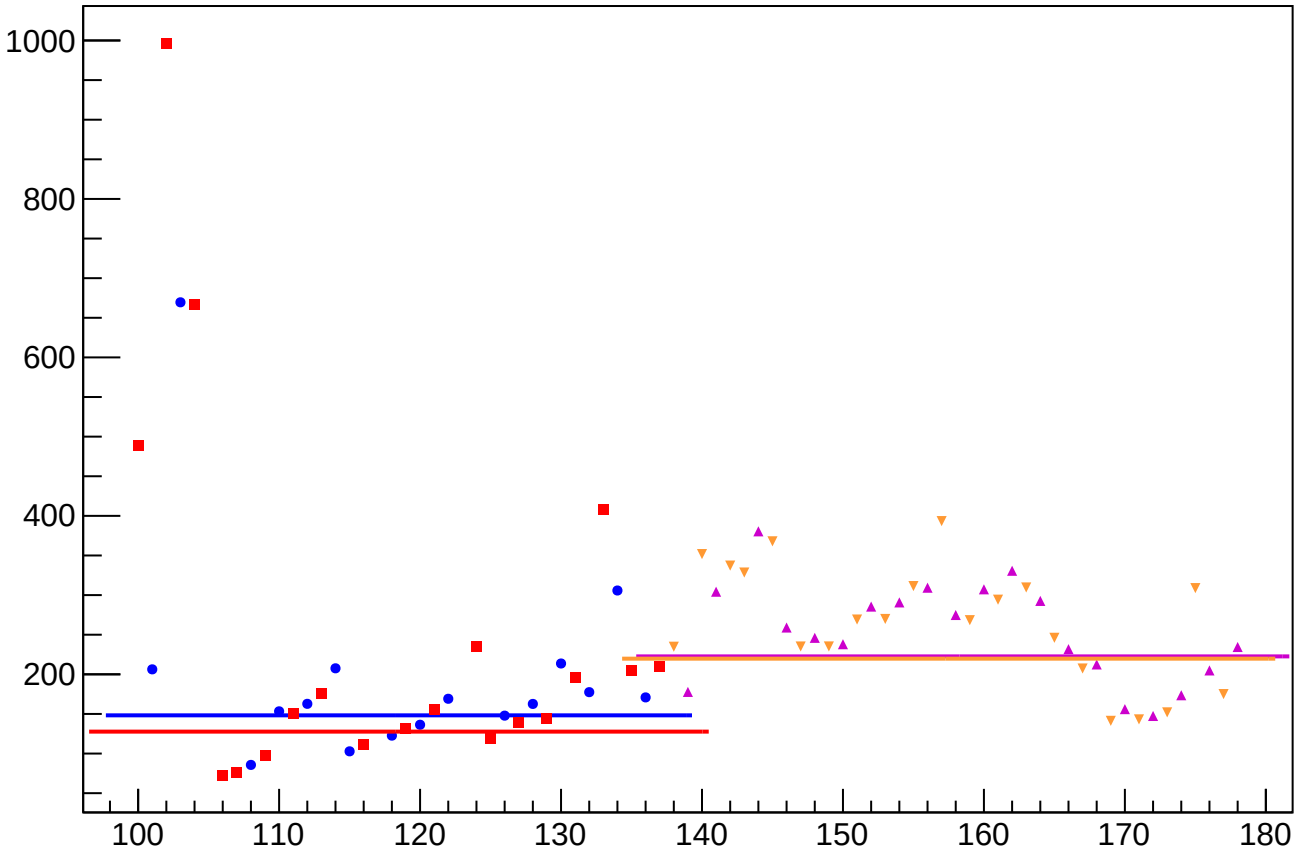
Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 186.474+/-0.030 χ^2/NDF:5447547.7/35

Out: 171.423+/-0.028 χ^2/NDF:8664901.8/39

All: 178.535+/-0.020 χ^2/NDF: 14248890.8/75


asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.025+/-0.057 χ²/NDF:20.0/20
Right Out: -0.064+/-0.055 χ²/NDF: 22.2/18
Left In: 0.088+/-0.058 χ²/NDF:28.6/19
Left: 0.031+/-0.041 χ²/NDF: 50.6/40
Right: -0.013+/-0.040 χ²/NDF: 32.7/34
In: 0.068+/-0.042 χ²/NDF:37.4/35
Out: -0.045+/-0.040 χ²/NDF:42.5/39
All: 0.008+/-0.029 χ²/NDF: 83.8/75



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: 222.641+/-0.041 χ^2/NDF:2158674.6/19

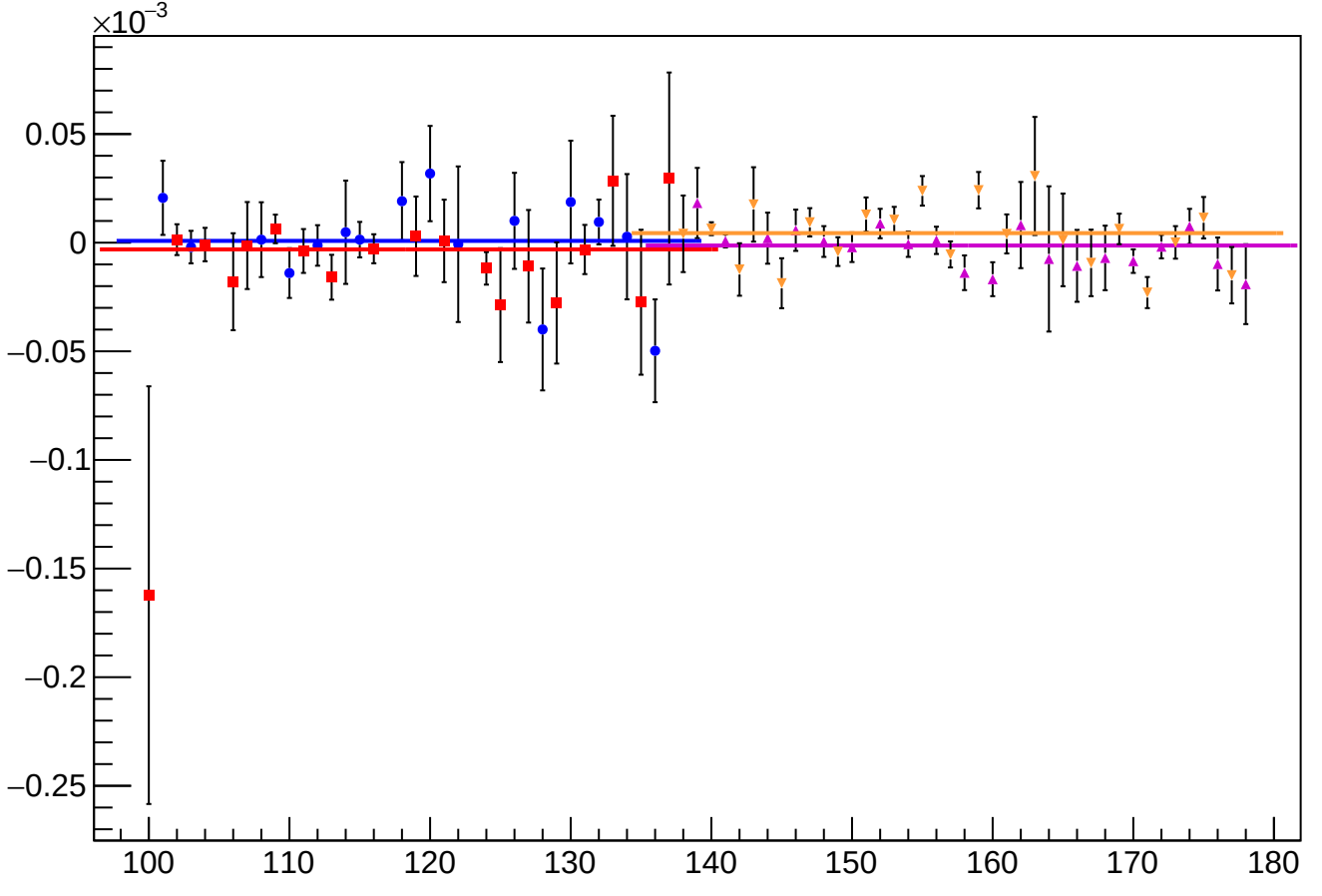
Left: 221.180+/-0.029 χ^2/NDF: 5288936.9/40

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 186.474+/-0.030 χ^2/NDF:5447547.7/35

Out: 171.423+/-0.028 χ^2/NDF:8664901.8/39

All: 178.535+/-0.020 χ^2/NDF: 14248890.8/75



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:16.6/19

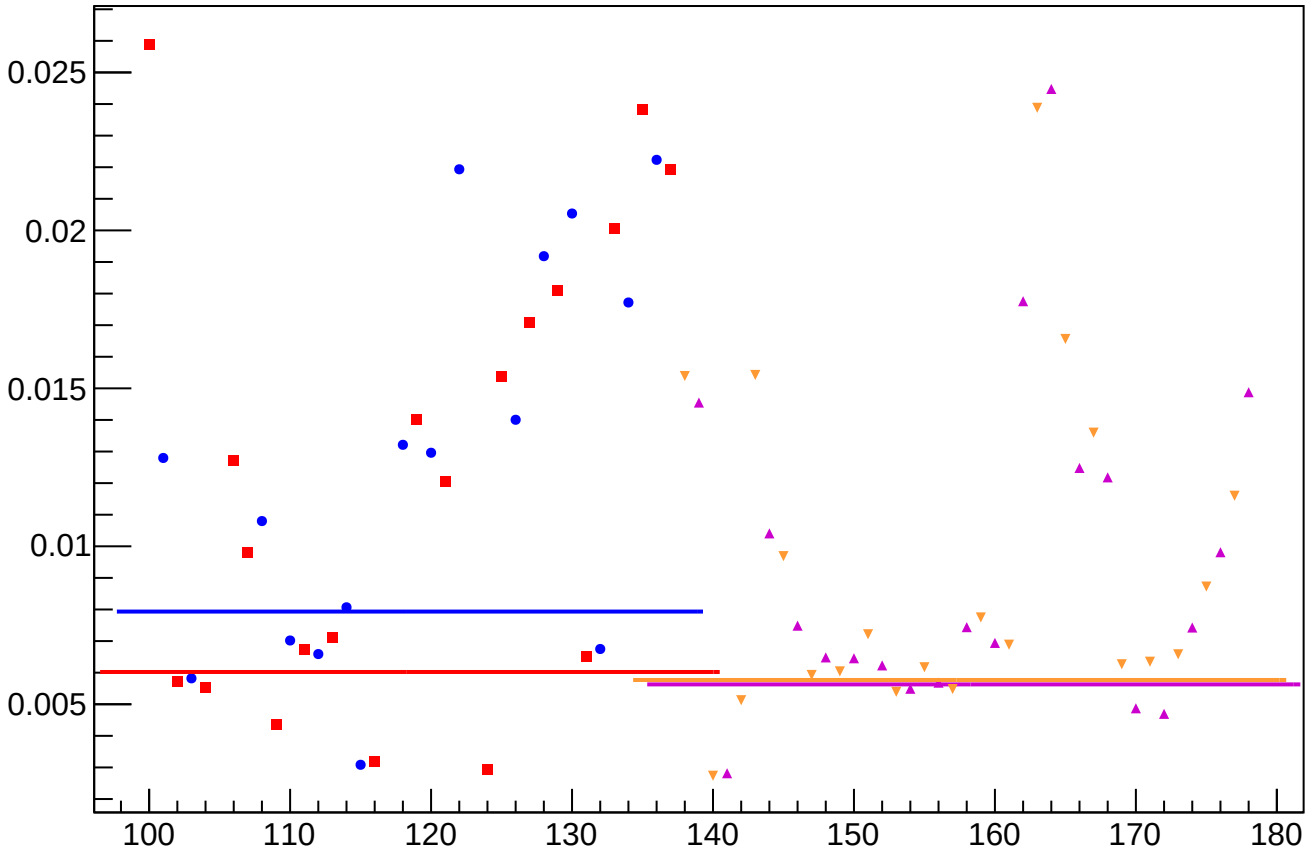
Left: 0.000+/-0.000 χ^2/NDF: 70.3/40

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:31.1/35

Out: 0.000+/-0.000 χ^2/NDF:66.0/39

All: 0.000+/-0.000 χ^2/NDF: 99.8/75



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:6063944.9/19

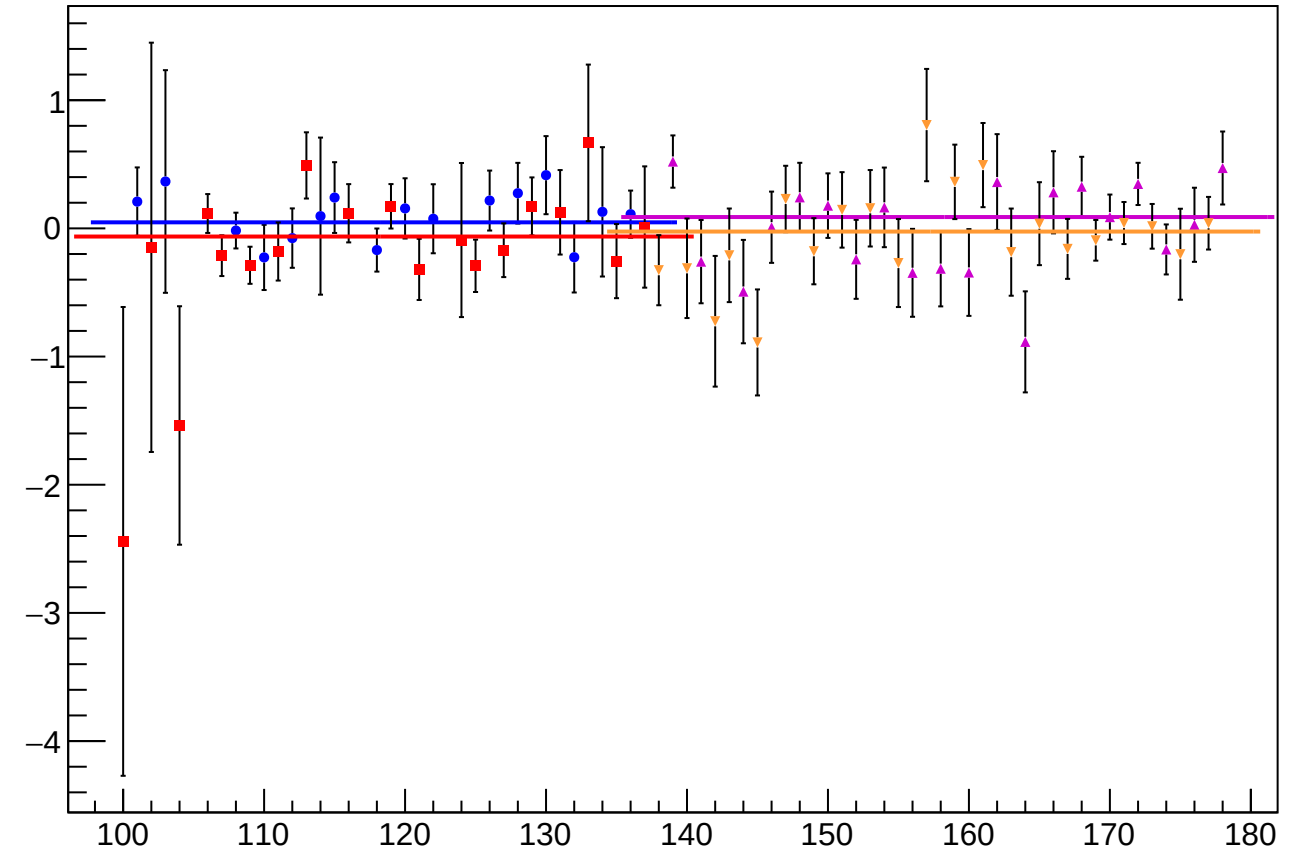
Left: 0.006+/-0.000 χ^2/NDF: 12398141.3/40

Right: 0.007+/-0.000 χ^2/NDF: 7973863.6/34

In: 0.006+/-0.000 χ^2/NDF:10371781.4/35

Out: 0.006+/-0.000 χ^2/NDF:10349752.9/39

All: 0.006+/-0.000 χ^2/NDF: 20741286.1/75



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: 0.088+/-0.058 χ^2/NDF:28.6/19

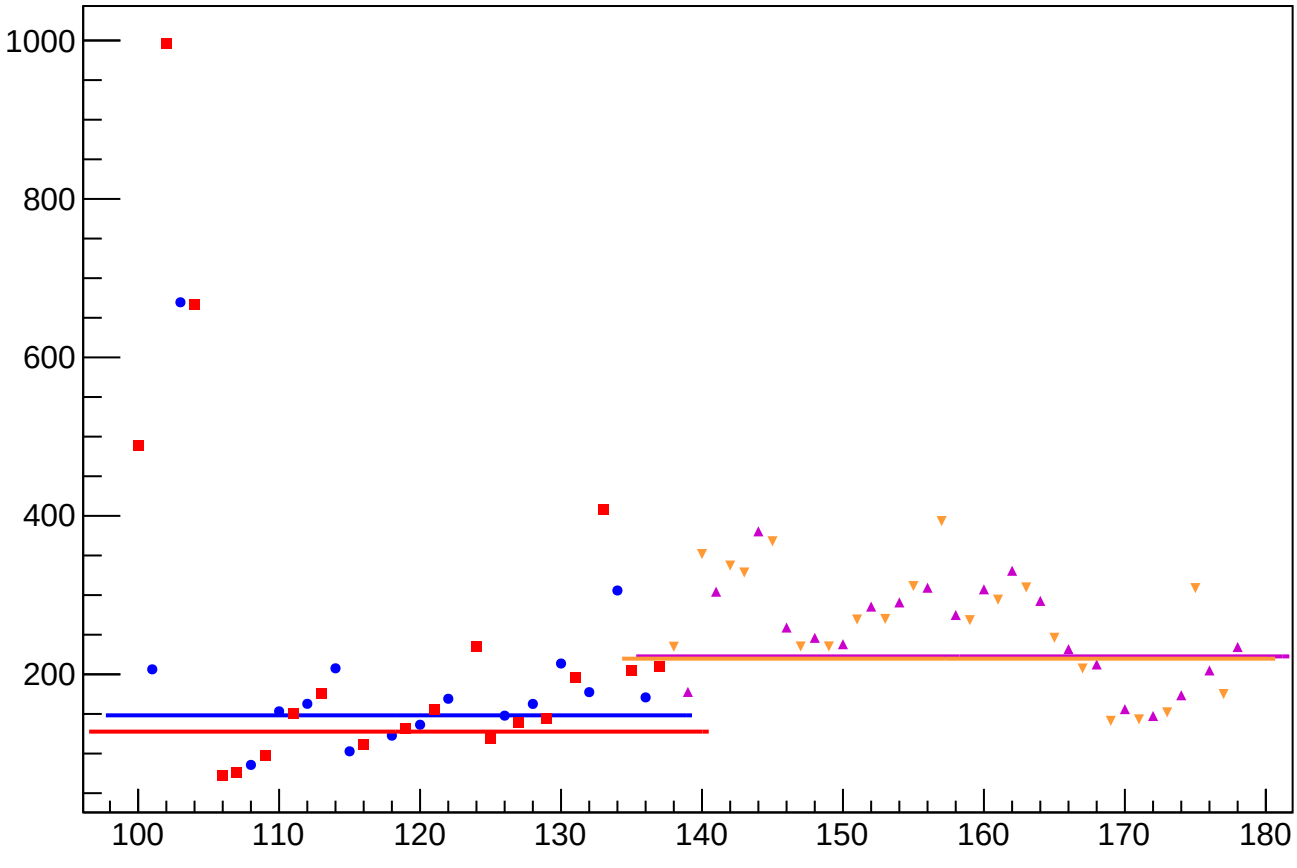
Left: 0.031+/-0.041 χ^2/NDF: 50.6/40

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.068+/-0.042 χ^2/NDF:37.4/35

Out: -0.045+/-0.040 χ^2/NDF:42.5/39

All: 0.008+/-0.029 χ^2/NDF: 83.8/75



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: 222.642+/-0.041 χ^2/NDF:2158718.6/19

Left: 221.182+/-0.029 χ^2/NDF: 5289092.4/40

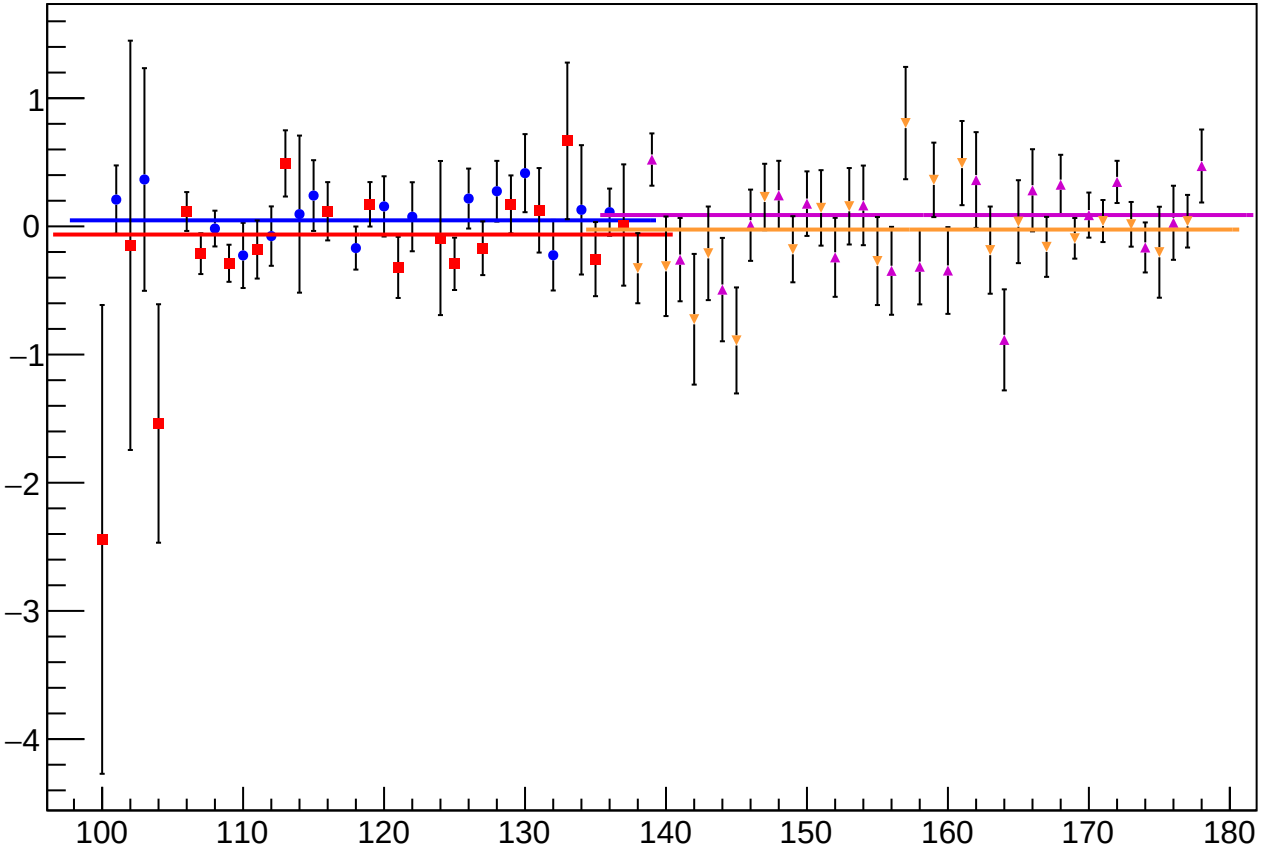
Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 186.473+/-0.030 χ^2/NDF:5447849.9/35

Out: 171.424+/-0.028 χ^2/NDF:8665047.9/39

All: 178.535+/-0.020 χ^2/NDF: 14249313.2/75

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: 0.088+/-0.058 χ^2/NDF:28.6/19

Left: 0.031+/-0.041 χ^2/NDF: 50.6/40

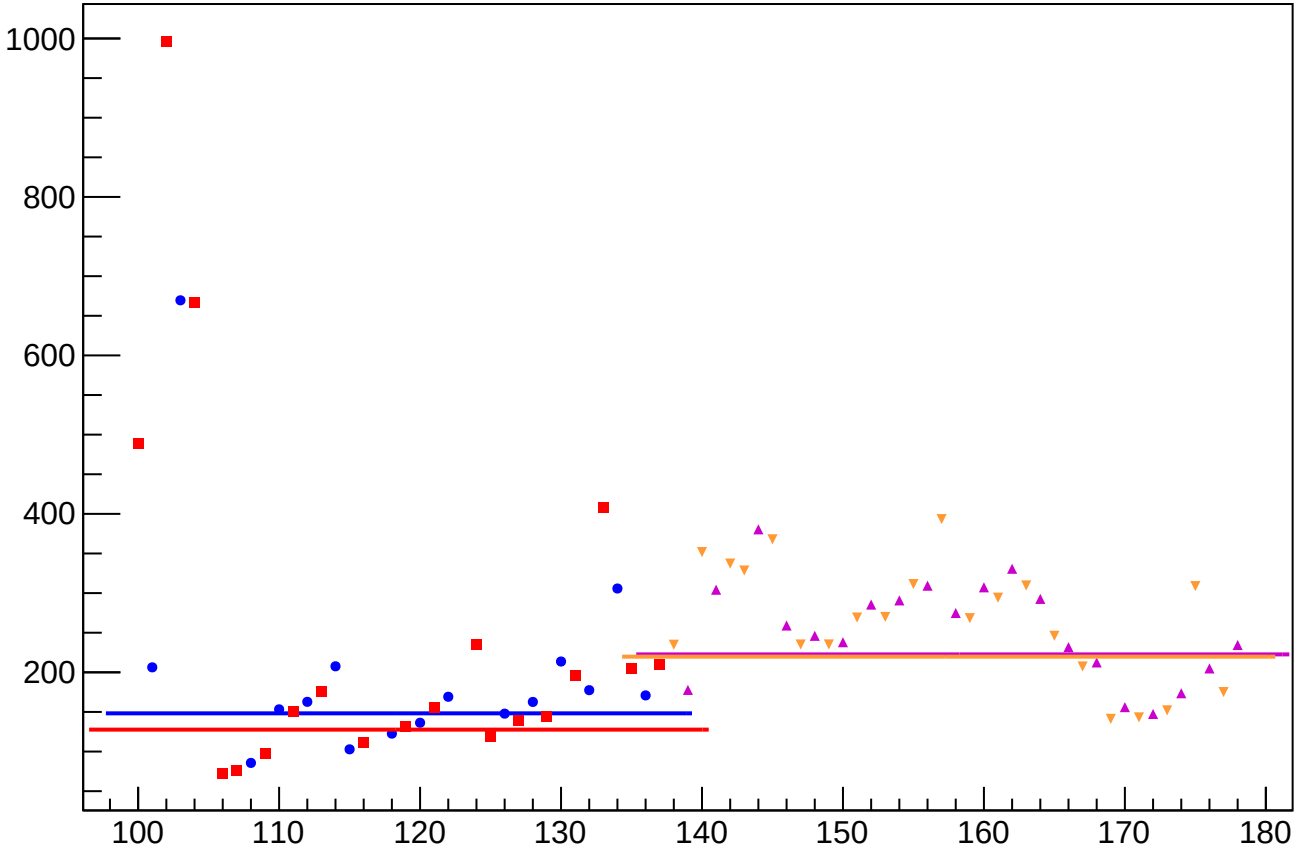
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.068+/-0.042 χ^2/NDF:37.4/35

Out: -0.045+/-0.040 χ^2/NDF:42.5/39

All: 0.008+/-0.029 χ^2/NDF: 83.8/75

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: 222.642+/-0.041 χ^2/NDF:2158718.6/19

Left: 221.182+/-0.029 χ^2/NDF: 5289092.4/40

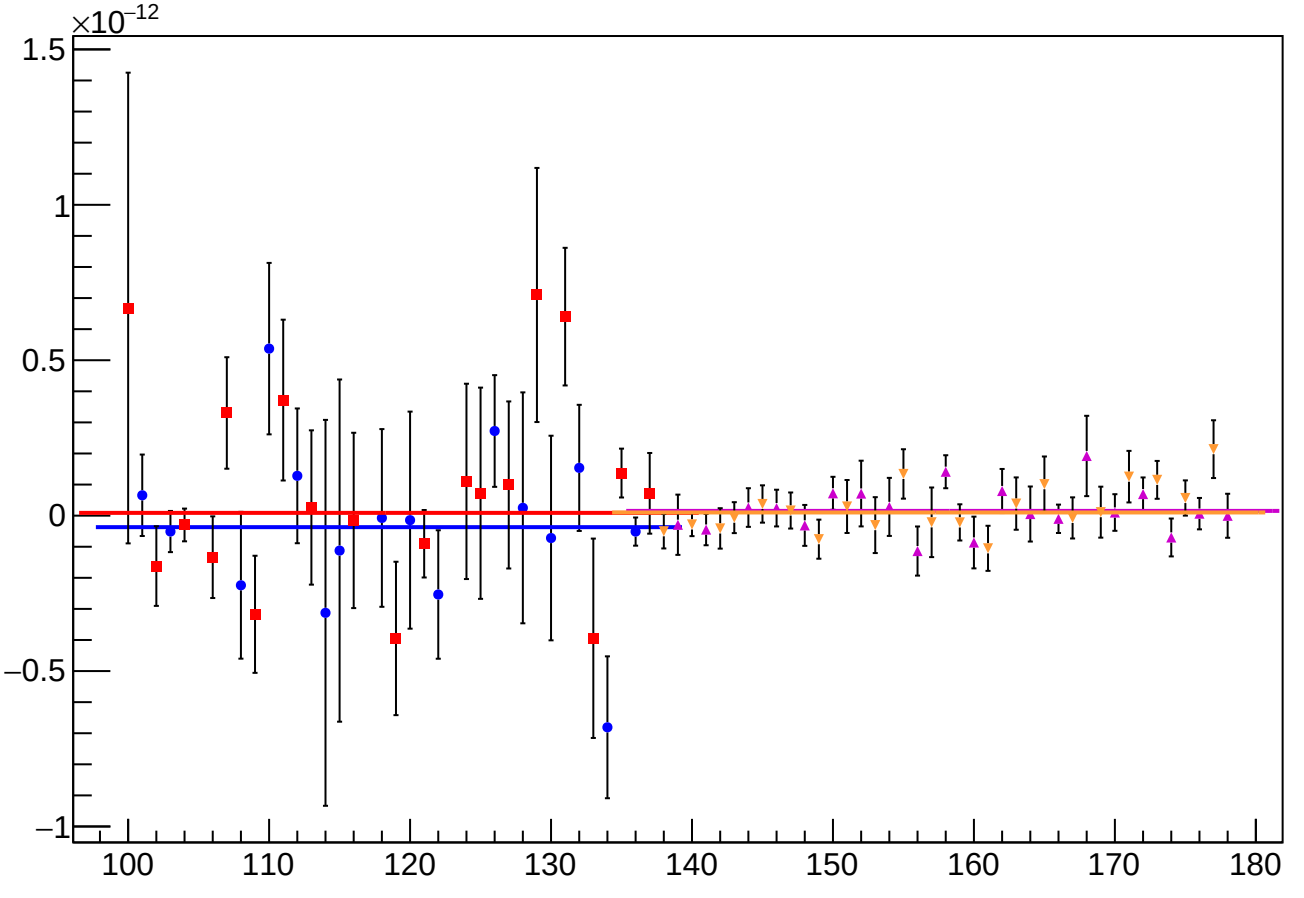
Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 186.473+/-0.030 χ^2/NDF:5447849.9/35

Out: 171.424+/-0.028 χ^2/NDF:8665047.9/39

All: 178.535+/-0.020 χ^2/NDF: 14249313.2/75

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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:19.5/19

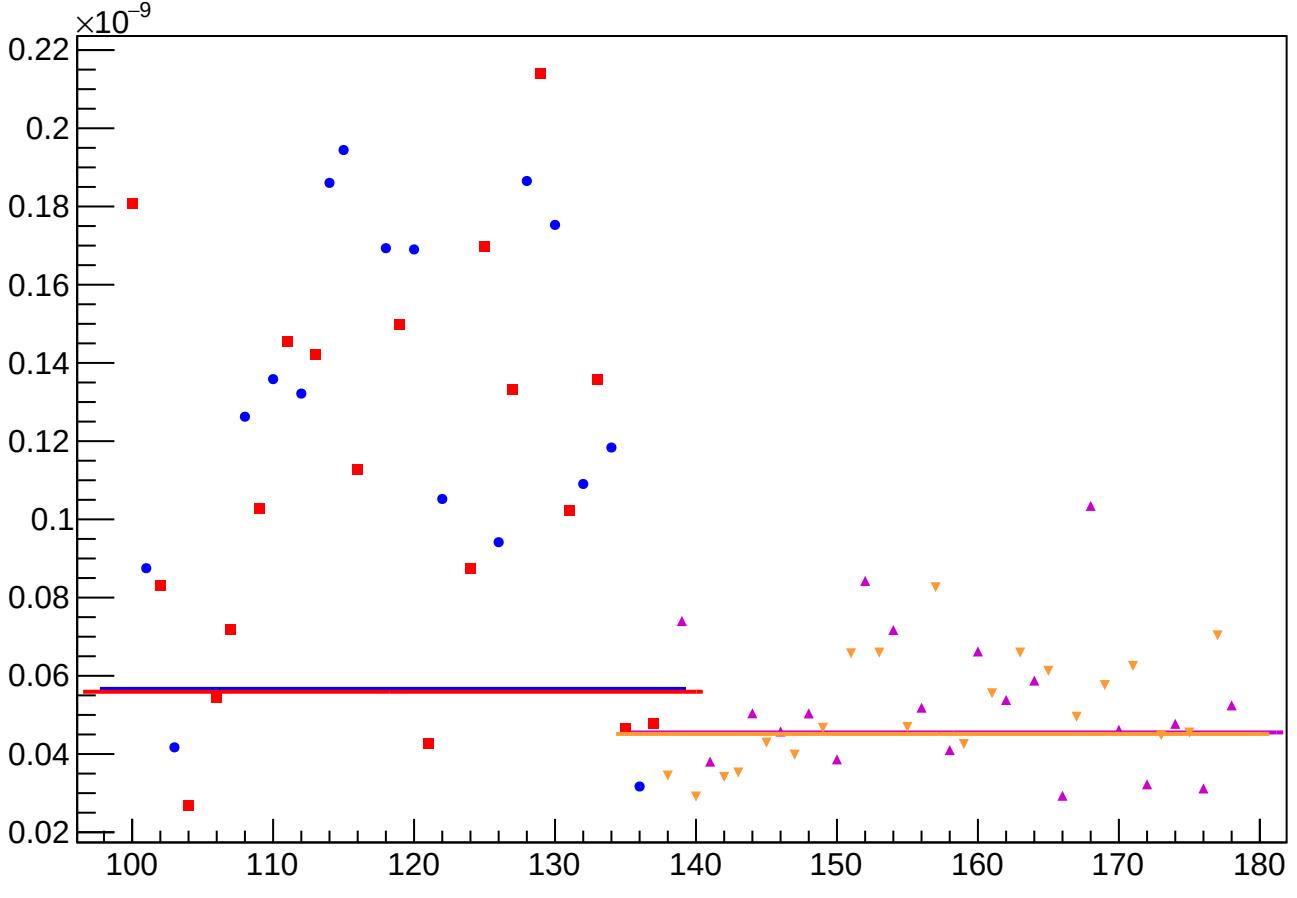
Left: 0.000+/-0.000 χ^2/NDF: 41.8/40

Right: -0.000+/-0.000 χ^2/NDF: 52.3/34

In: 0.000+/-0.000 χ^2/NDF:41.2/35

Out: 0.000+/-0.000 χ^2/NDF:54.0/39

All: 0.000+/-0.000 χ^2/NDF: 95.3/75



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:1882291.8/19

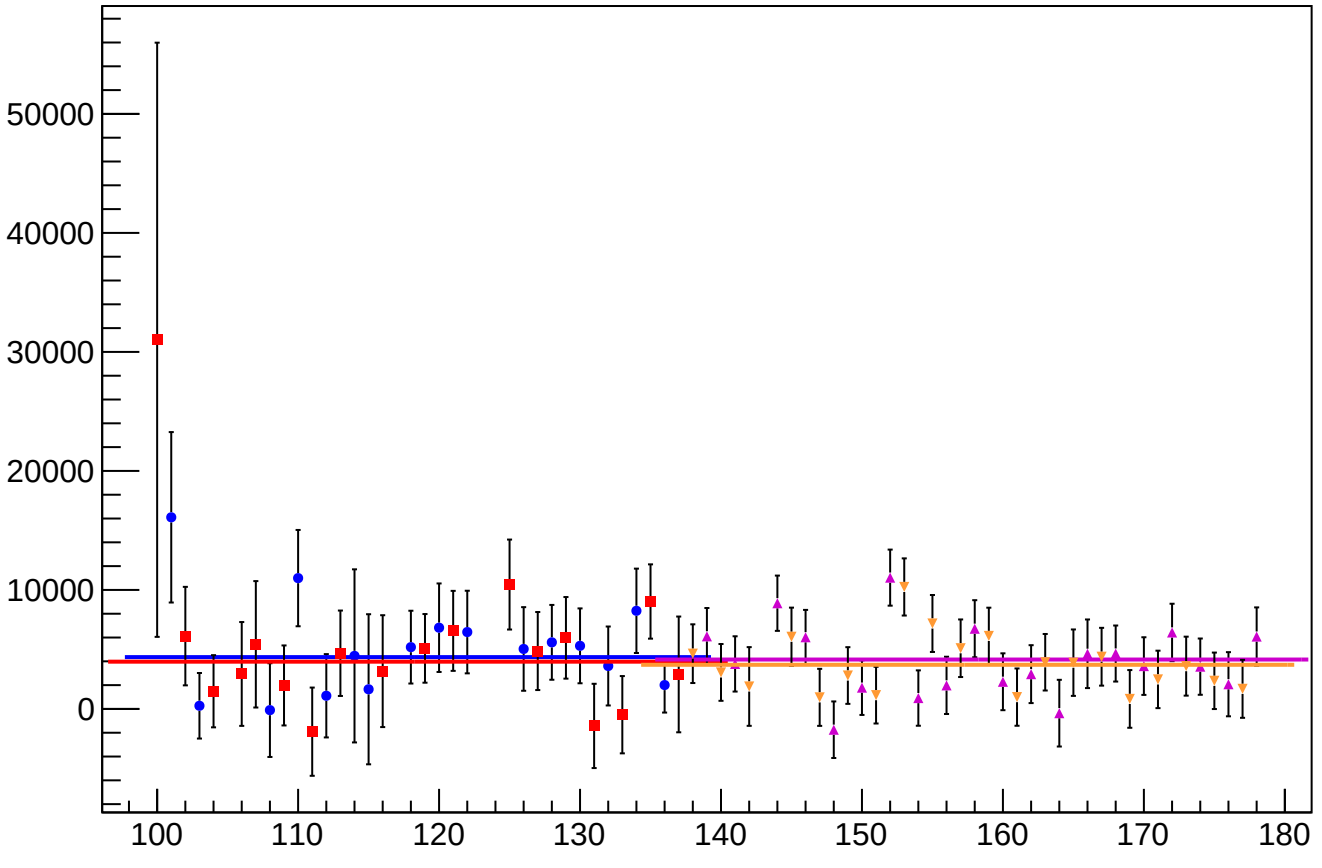
Left: 0.000+/-0.000 χ^2/NDF: 3447896.3/40

Right: 0.000+/-0.000 χ^2/NDF: 5846702.2/34

In: 0.000+/-0.000 χ^2/NDF:5195519.3/35

Out: 0.000+/-0.000 χ^2/NDF:4487630.4/39

All: 0.000+/-0.000 χ^2/NDF: 9684356.1/75



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: 4151.280+/-541.283 χ^2/NDF:30.9/19

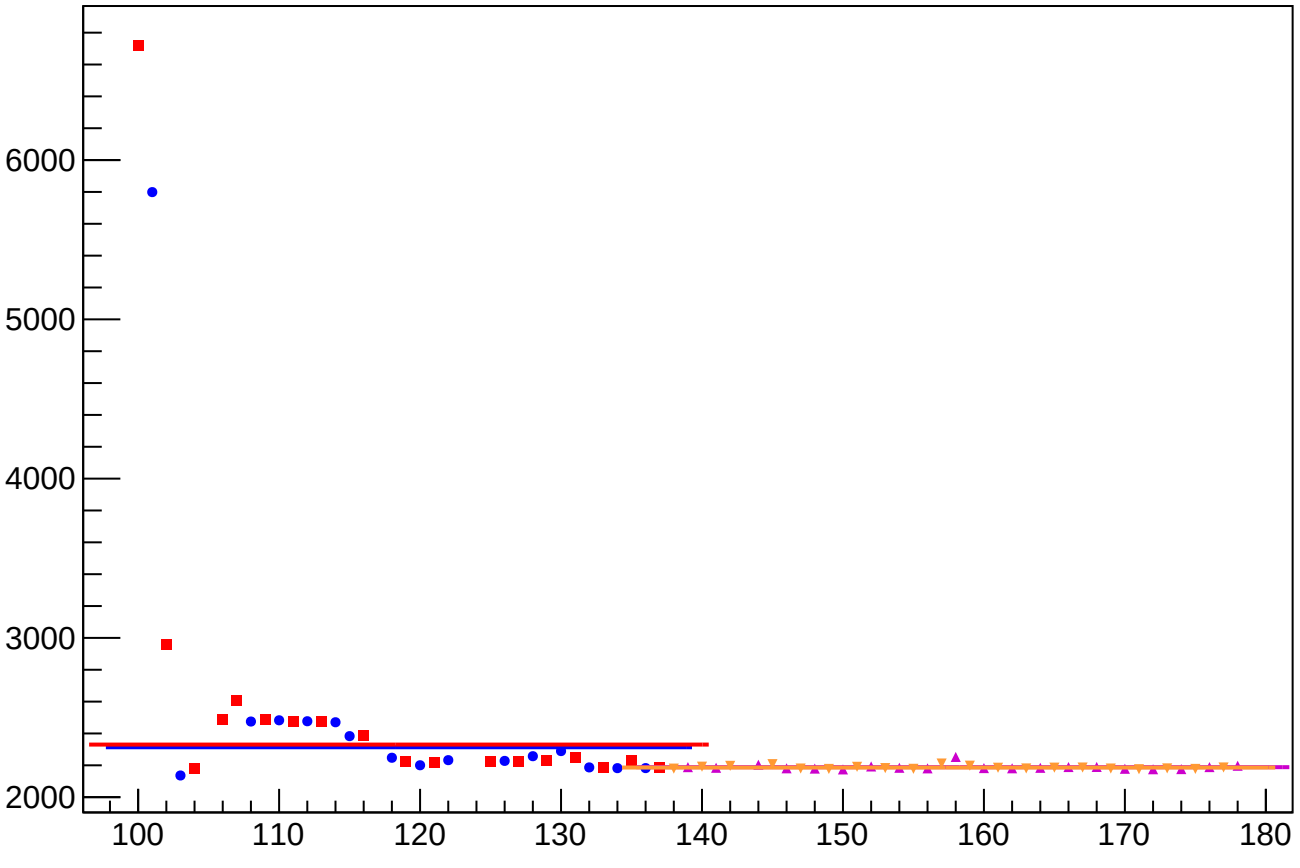
Left: 3933.359+/-385.389 χ^2/NDF: 50.2/39

Right: 4162.171+/-617.462 χ^2/NDF: 29.6/33

In: 4207.468+/-460.347 χ^2/NDF:44.3/35

Out: 3783.841+/-464.388 χ^2/NDF:35.2/37

All: 3997.506+/-326.934 χ^2/NDF: 79.9/73



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: 2188.344+/-0.383 χ^2/NDF:1887.1/19

Left: 2187.238+/-0.273 χ^2/NDF: 2538.9/39

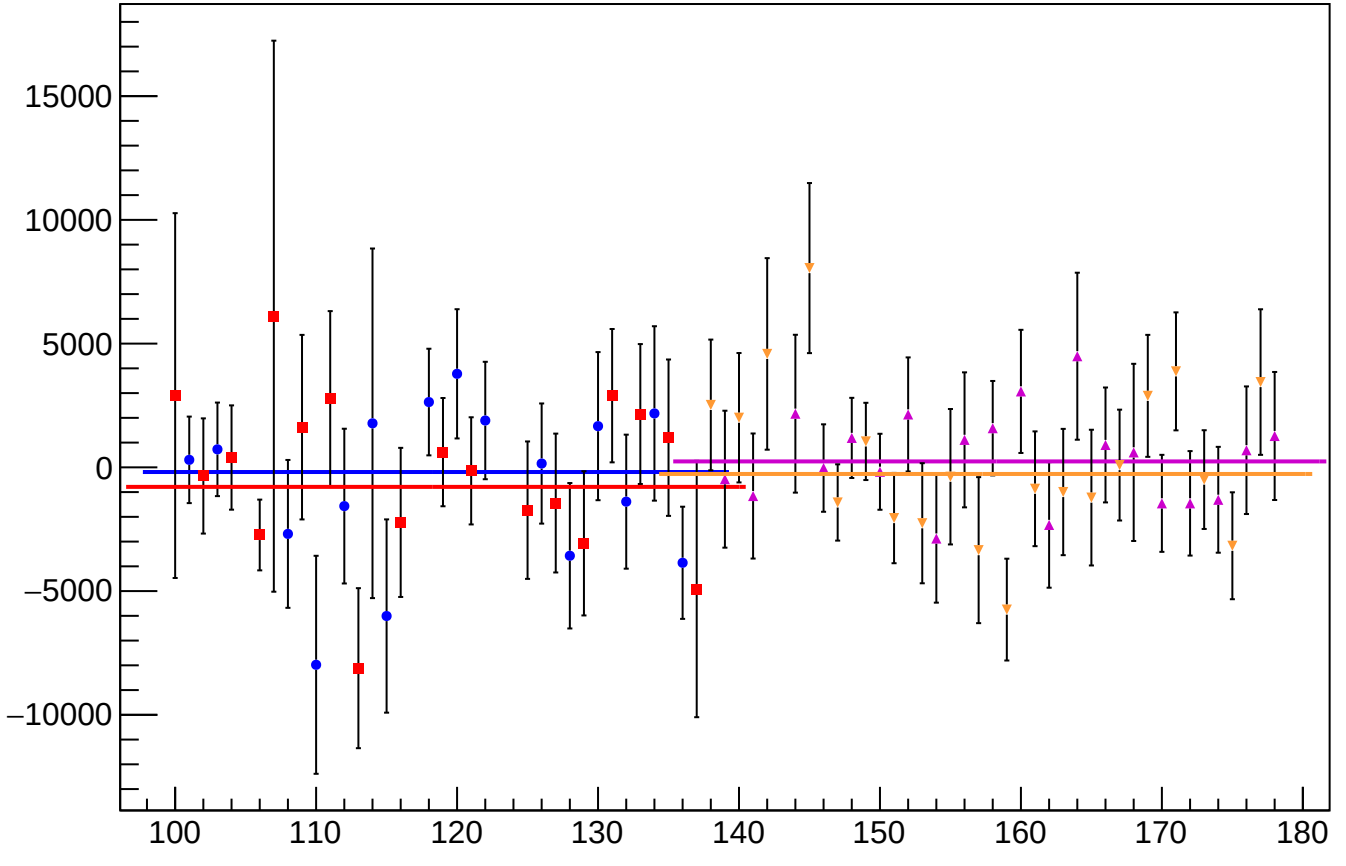
Right: 2321.844+/-0.437 χ^2/NDF: 663951.9/33

In: 2222.950+/-0.326 χ^2/NDF:543803.9/35

Out: 2227.035+/-0.328 χ^2/NDF:191009.8/37

All: 2224.974+/-0.231 χ^2/NDF: 734891.8/73

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: 239.549+/-504.464 χ^2/NDF:10.0/19

Left: -10.488+/-359.183 χ^2/NDF: 39.3/39

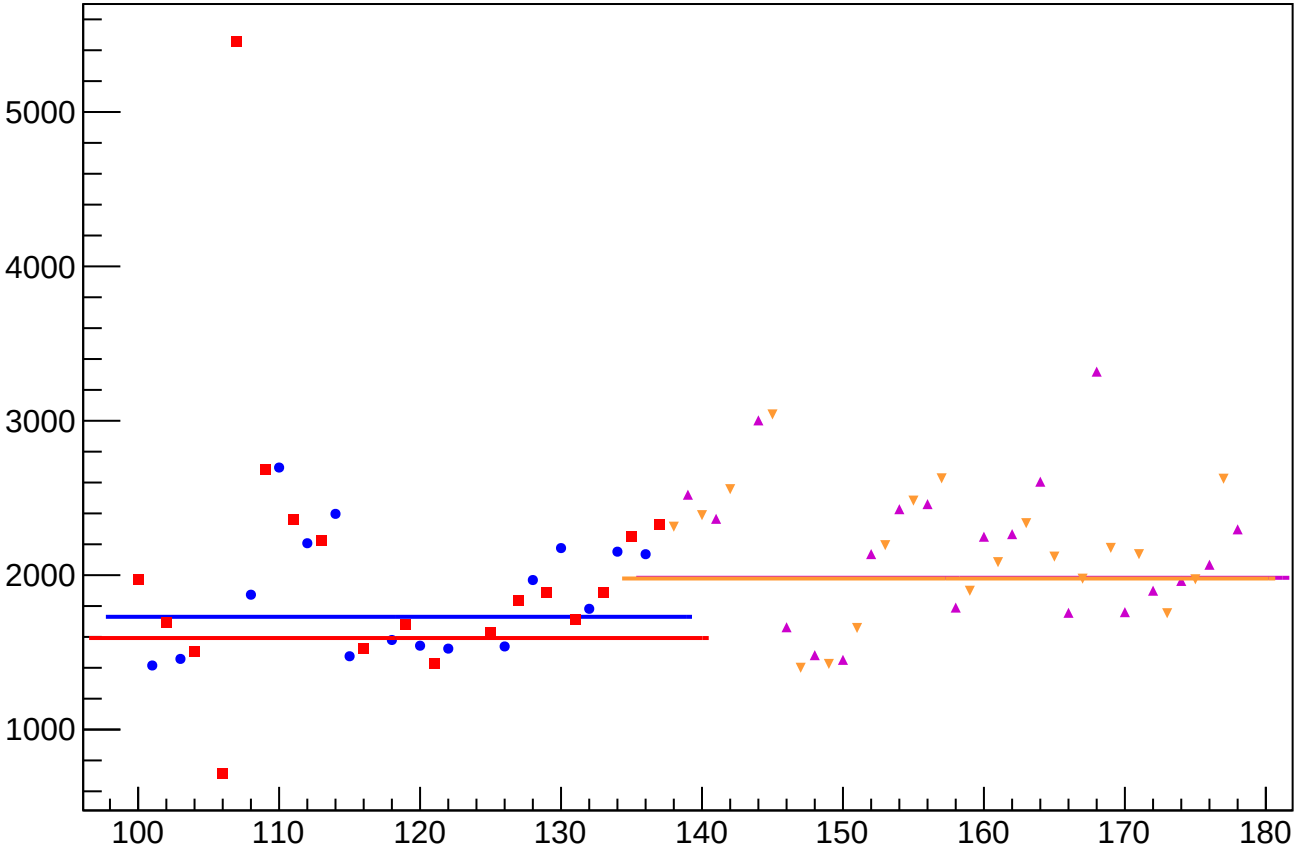
Right: -499.869+/-457.002 χ^2/NDF: 31.8/33

In: 81.134+/-400.422 χ^2/NDF:26.7/35

Out: -472.947+/-398.332 χ^2/NDF:44.1/37

All: -197.357+/-282.399 χ^2/NDF: 71.7/73

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: 1983.000+/-0.357 χ^2/NDF:1446119.7/19

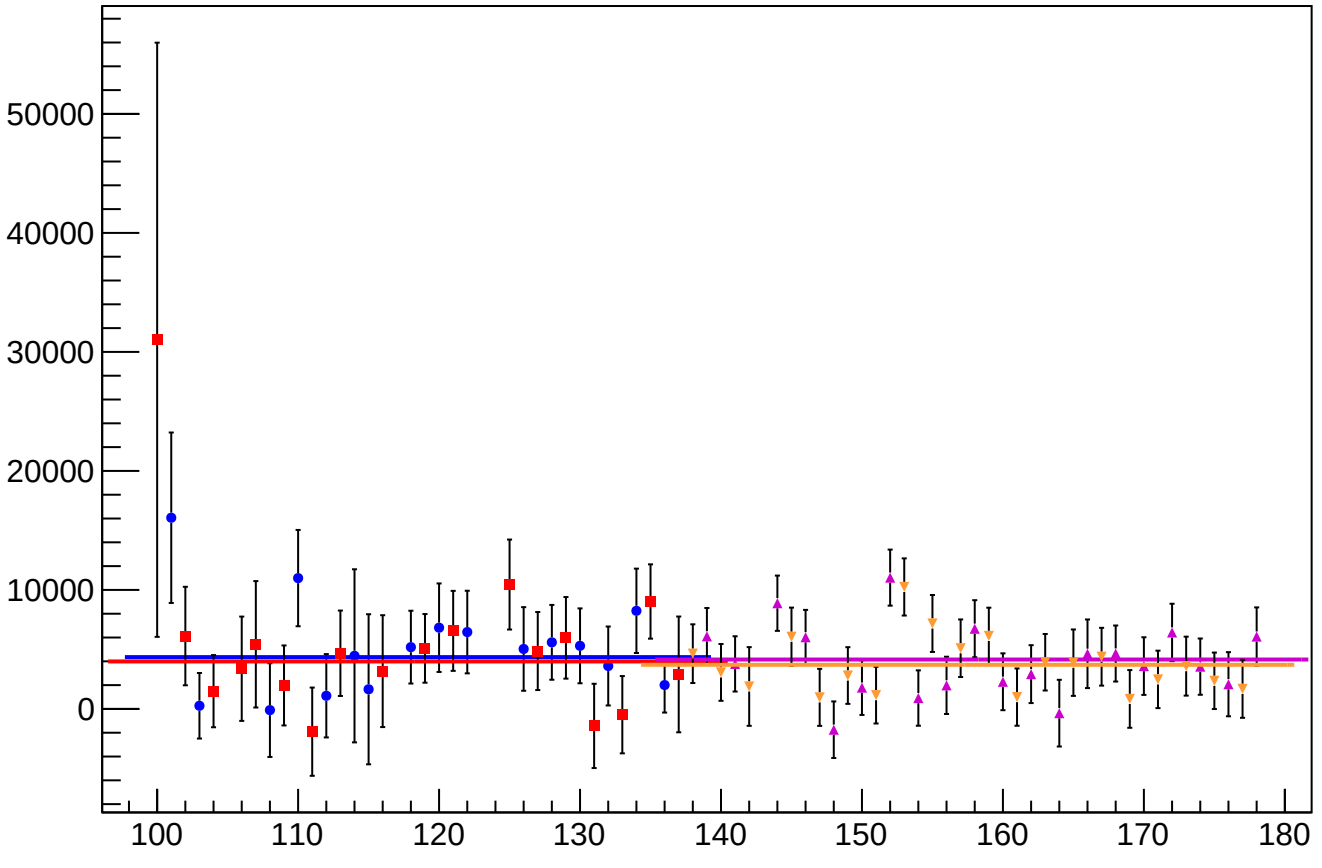
Left: 1980.747+/-0.254 χ^2/NDF: 2734620.2/39

Right: 1659.066+/-0.323 χ^2/NDF: 2080315.9/33

In: 1889.509+/-0.283 χ^2/NDF:2110732.8/35

Out: 1826.648+/-0.282 χ^2/NDF:3291979.5/37

All: 1857.914+/-0.200 χ^2/NDF: 5427486.7/73



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: 4151.371+/-541.283 χ^2/NDF:30.9/19

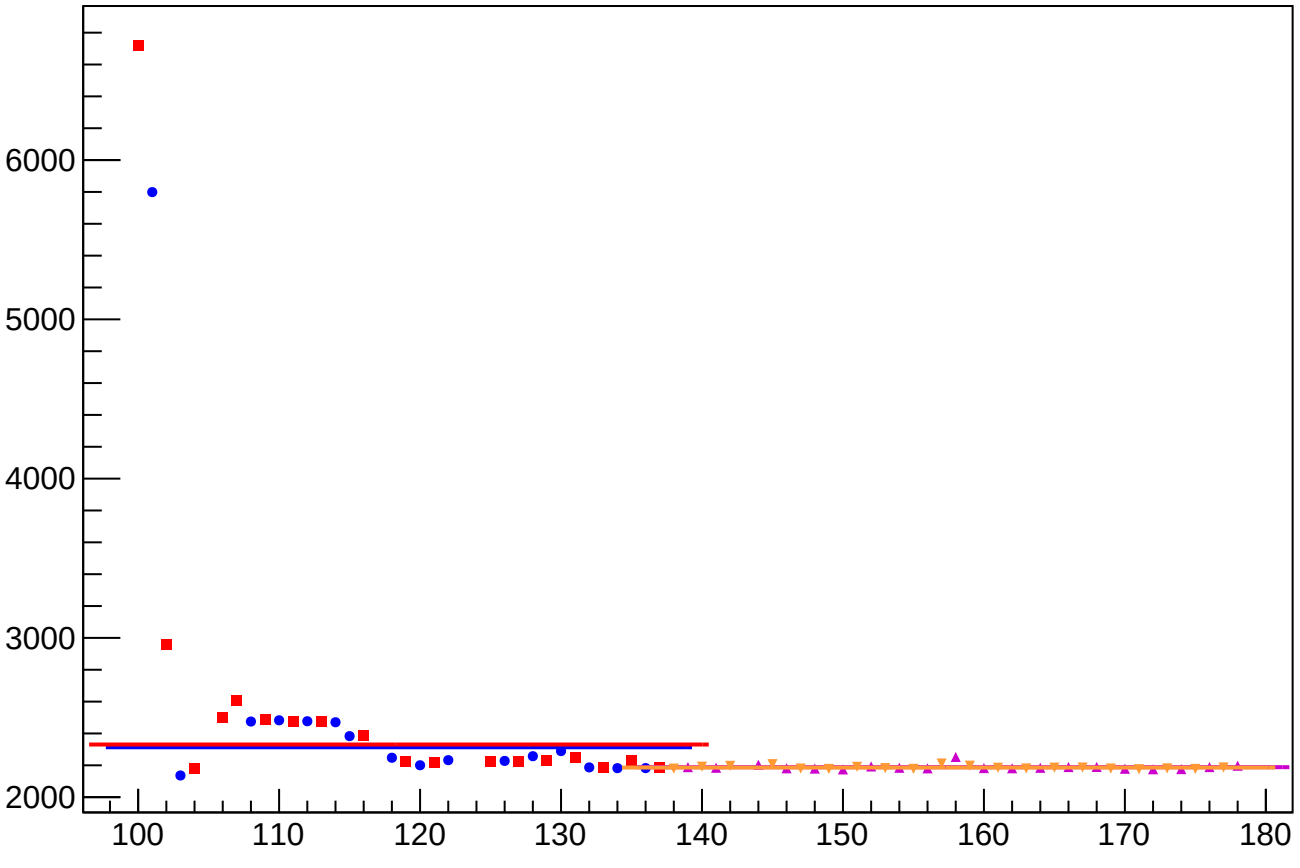
Left: 3933.378+/-385.389 χ^2/NDF: 50.2/39

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4207.346+/-460.347 χ^2/NDF:44.3/35

Out: 3788.954+/-464.411 χ^2/NDF:35.2/37

All: 3999.989+/-326.942 χ^2/NDF: 79.9/73



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: 2188.344+/-0.383 χ^2/NDF:1887.1/19

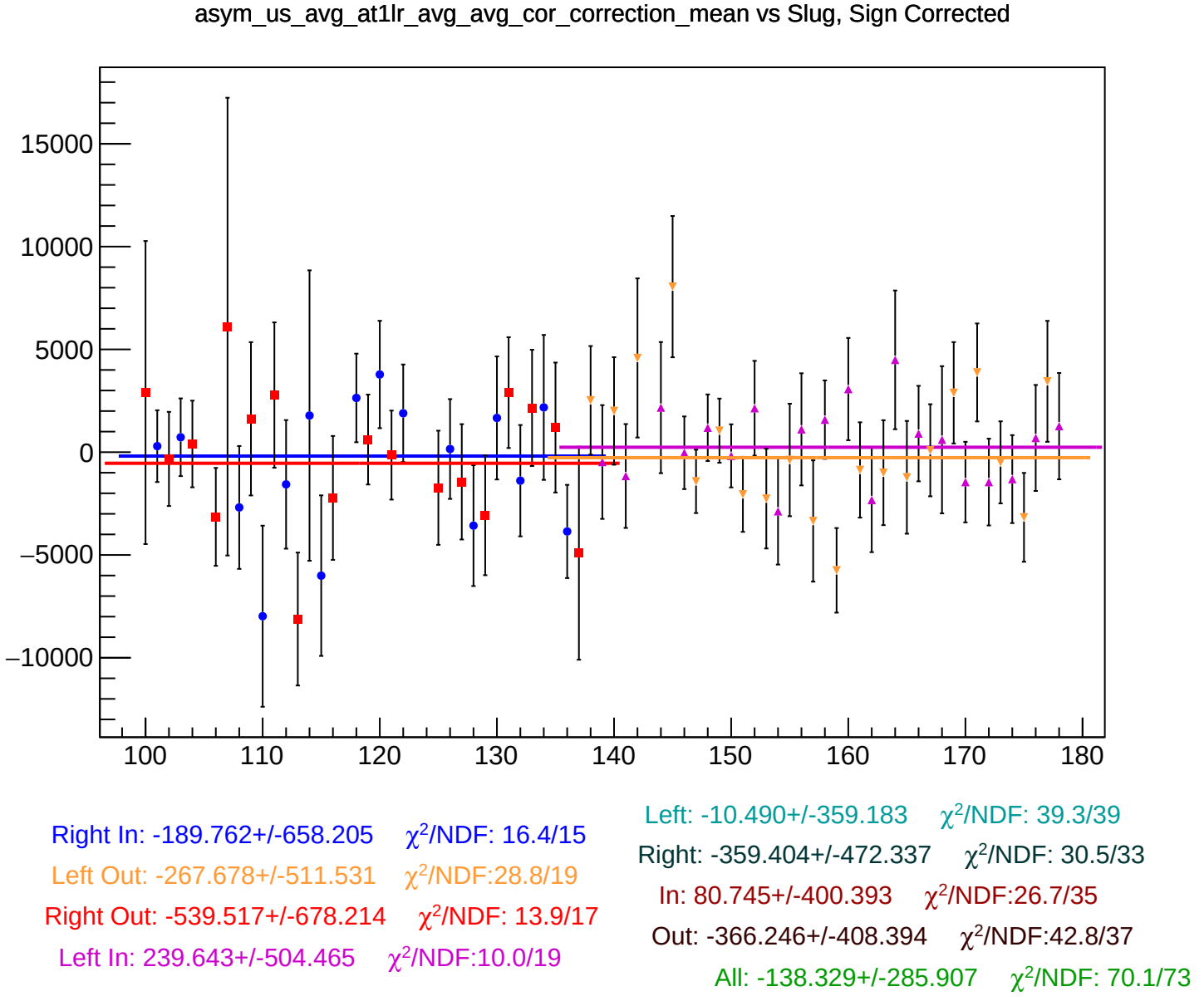
Left: 2187.238+/-0.273 χ^2/NDF: 2538.9/39

Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

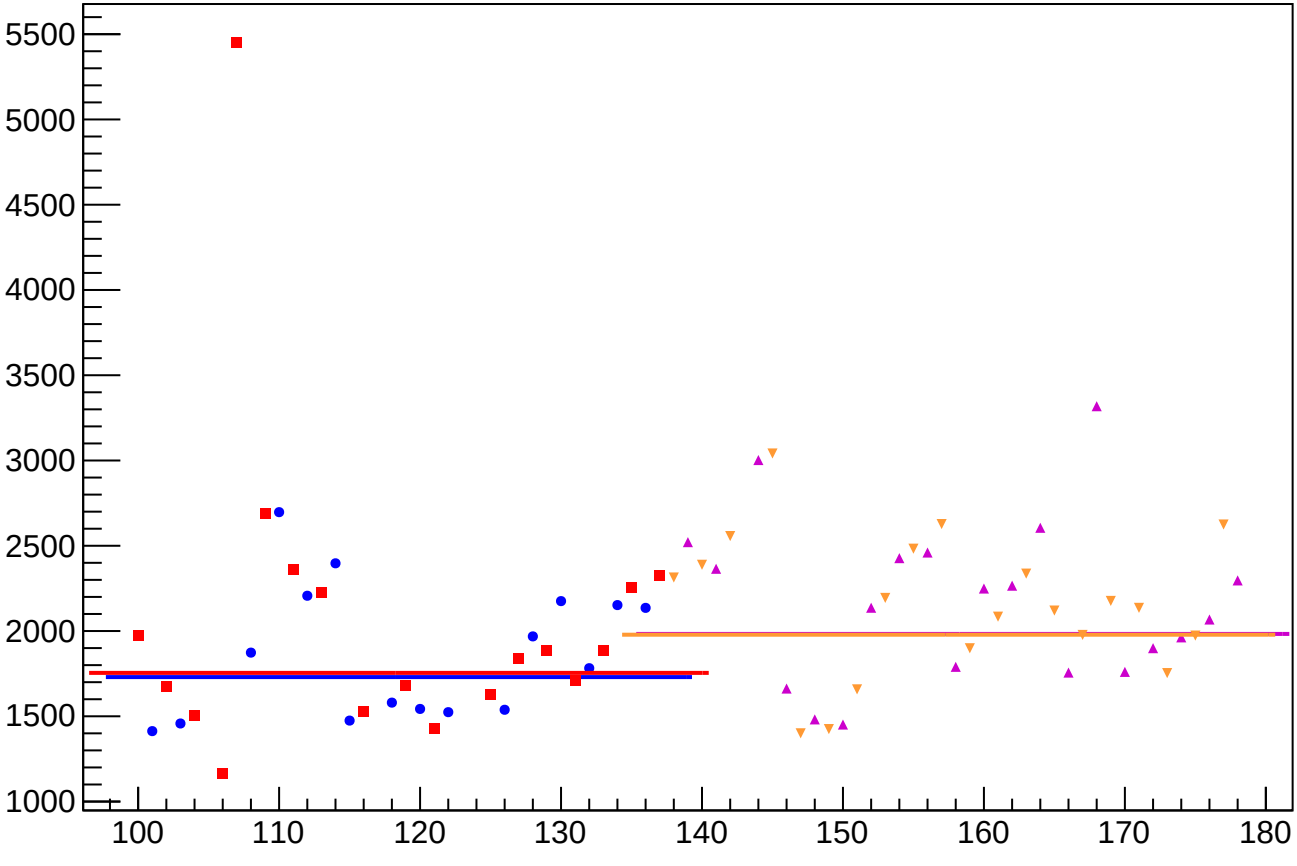
In: 2222.950+/-0.326 χ^2/NDF:543804.3/35

Out: 2227.129+/-0.328 χ^2/NDF:191547.2/37

All: 2225.021+/-0.231 χ^2/NDF: 735433.2/73


asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
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: 239.643+/-504.465 χ²/NDF:10.0/19
Left: -10.490+/-359.183 χ²/NDF: 39.3/39
Right: -359.404+/-472.337 χ²/NDF: 30.5/33
In: 80.745+/-400.393 χ²/NDF:26.7/35
Out: -366.246+/-408.394 χ²/NDF:42.8/37
All: -138.329+/-285.907 χ²/NDF: 70.1/73

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1978.426+/-0.362 χ^2/NDF:1288465.7/19

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1983.006+/-0.357 χ^2/NDF:1446143.0/19

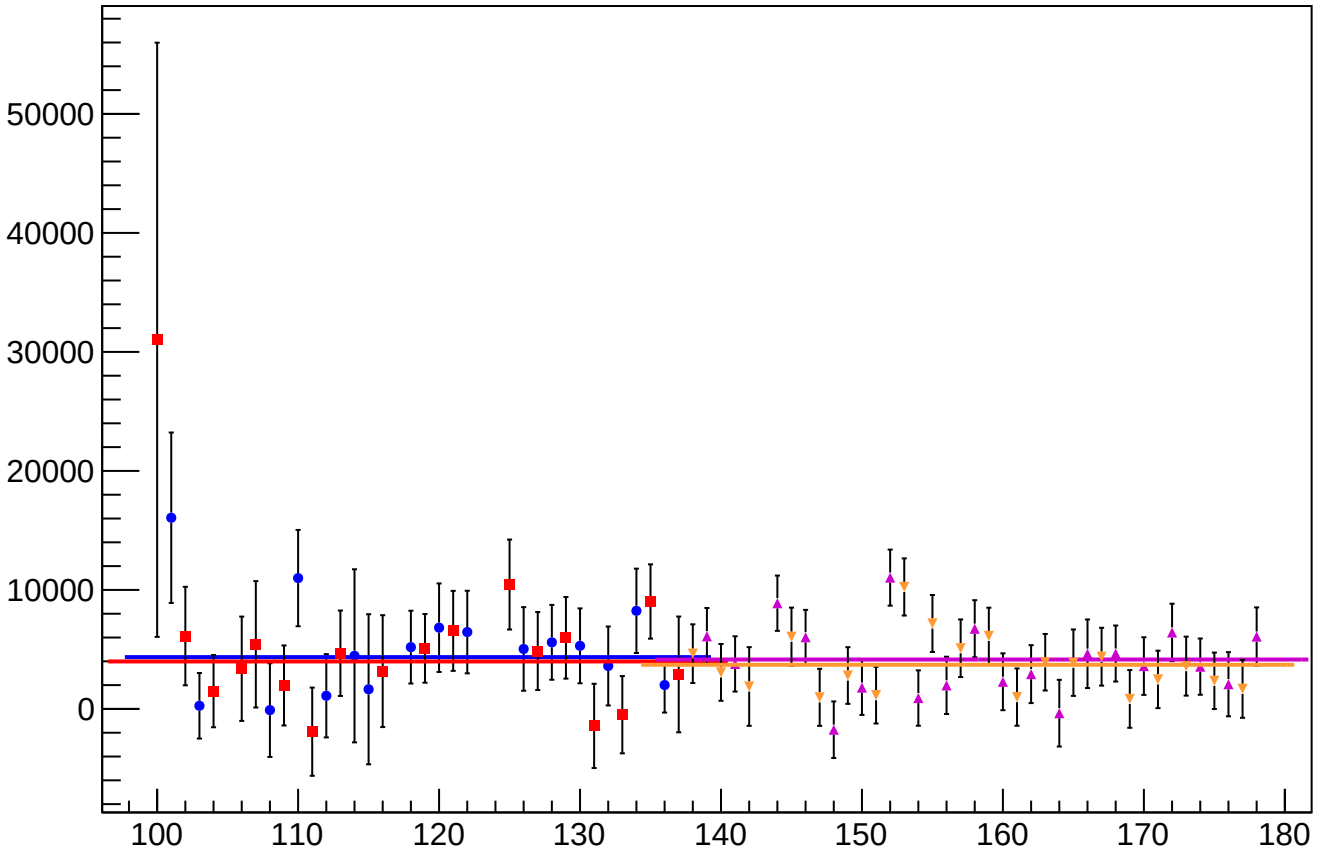
Left: 1980.748+/-0.254 χ^2/NDF: 2734690.0/39

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1889.346+/-0.283 χ^2/NDF:2112349.3/35

Out: 1897.241+/-0.289 χ^2/NDF:2178412.5/37

All: 1893.215+/-0.202 χ^2/NDF: 4291143.0/73



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: 4151.371+/-541.283 χ^2/NDF:30.9/19

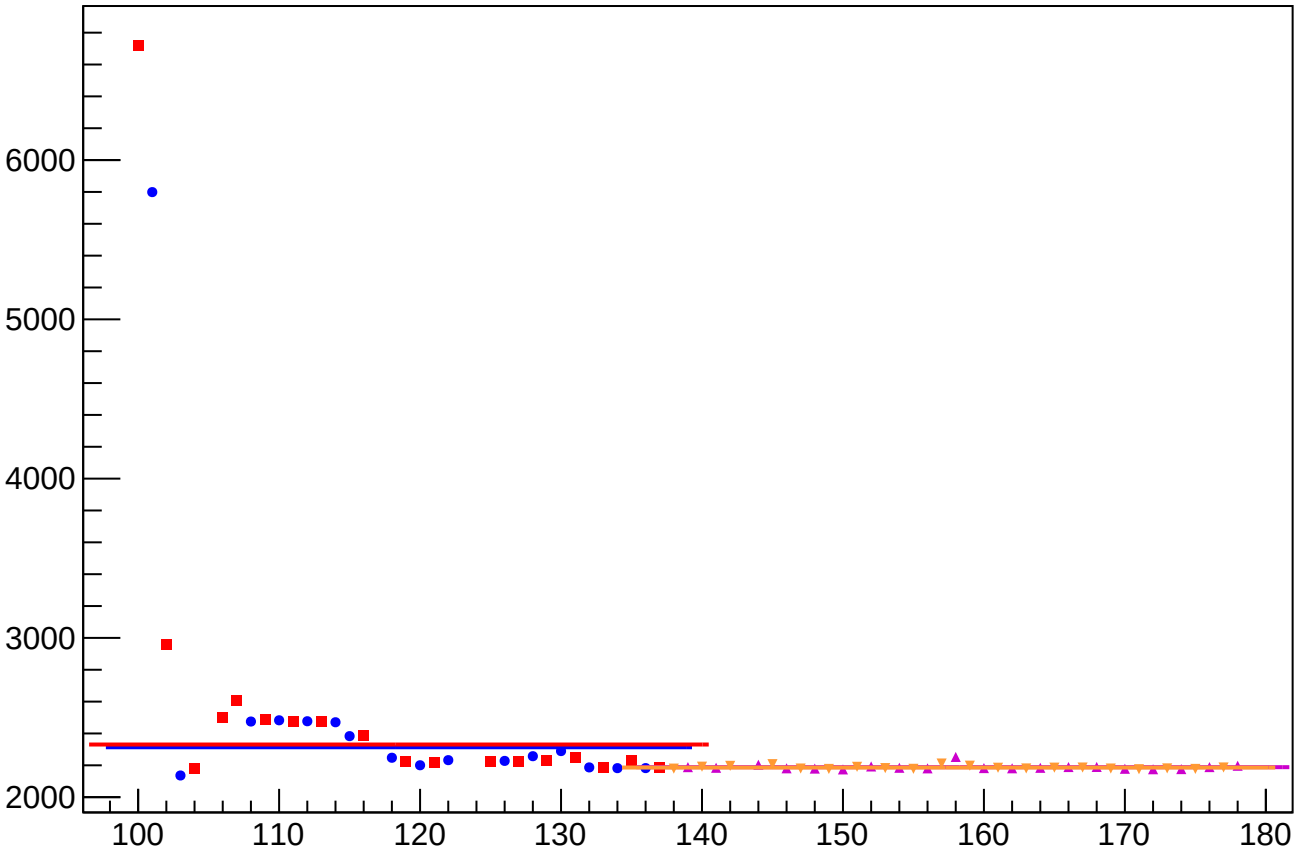
Left: 3933.378+/-385.389 χ^2/NDF: 50.2/39

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4207.346+/-460.347 χ^2/NDF:44.3/35

Out: 3788.954+/-464.411 χ^2/NDF:35.2/37

All: 3999.989+/-326.942 χ^2/NDF: 79.9/73



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: 2188.344+/-0.383 χ^2/NDF:1887.1/19

Left: 2187.238+/-0.273 χ^2/NDF: 2538.9/39

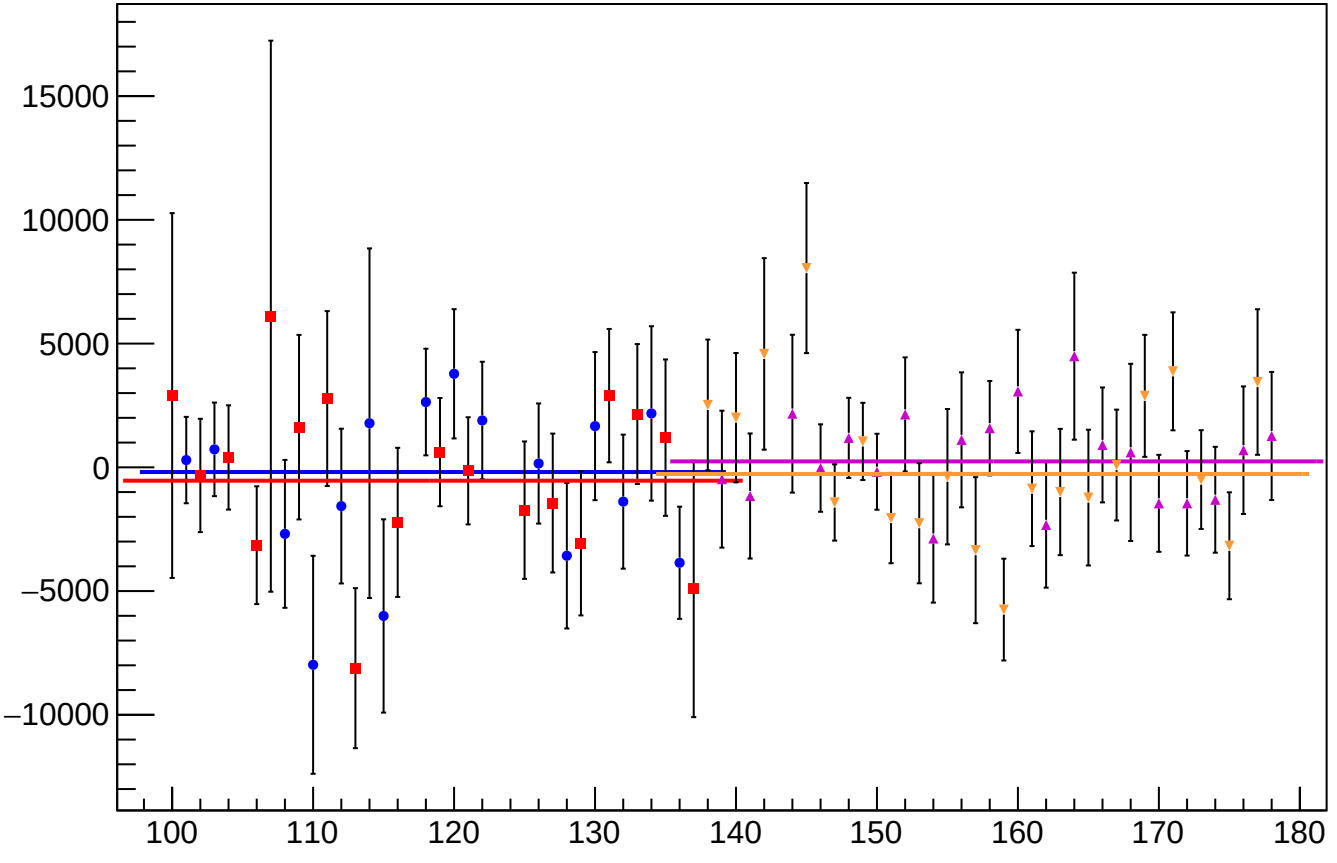
Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

In: 2222.950+/-0.326 χ^2/NDF:543804.3/35

Out: 2227.129+/-0.328 χ^2/NDF:191547.2/37

All: 2225.021+/-0.231 χ^2/NDF: 735433.2/73

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: -267.678+/-511.531 χ^2/NDF:28.8/19

Right Out: -539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: 239.643+/-504.465 χ^2/NDF:10.0/19

Left: -10.490+/-359.183 χ^2/NDF: 39.3/39

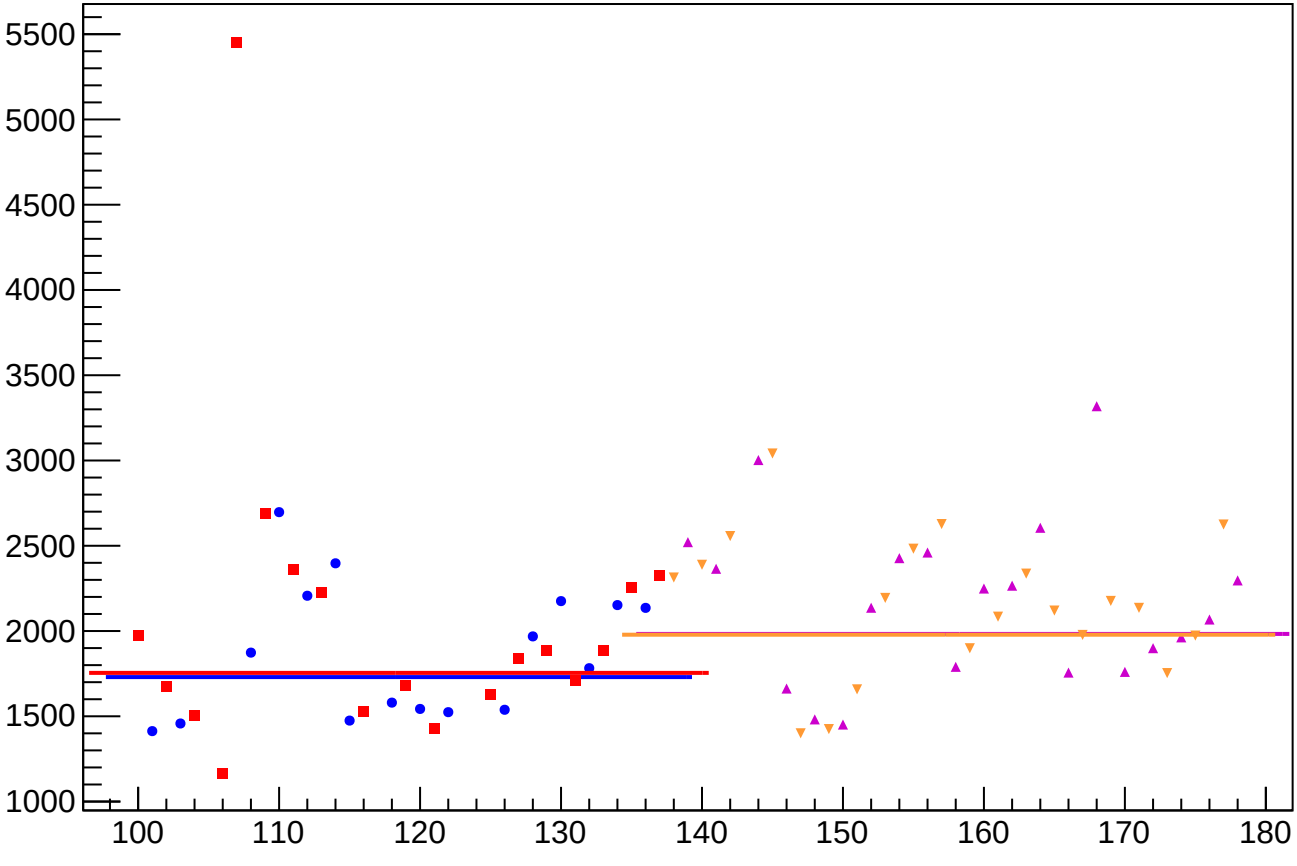
Right: -359.404+/-472.337 χ^2/NDF: 30.5/33

In: 80.745+/-400.393 χ^2/NDF:26.7/35

Out: -366.246+/-408.394 χ^2/NDF:42.8/37

All: -138.329+/-285.907 χ^2/NDF: 70.1/73

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1978.426+/-0.362 χ^2/NDF:1288465.7/19

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1983.006+/-0.357 χ^2/NDF:1446143.0/19

Left: 1980.748+/-0.254 χ^2/NDF: 2734690.0/39

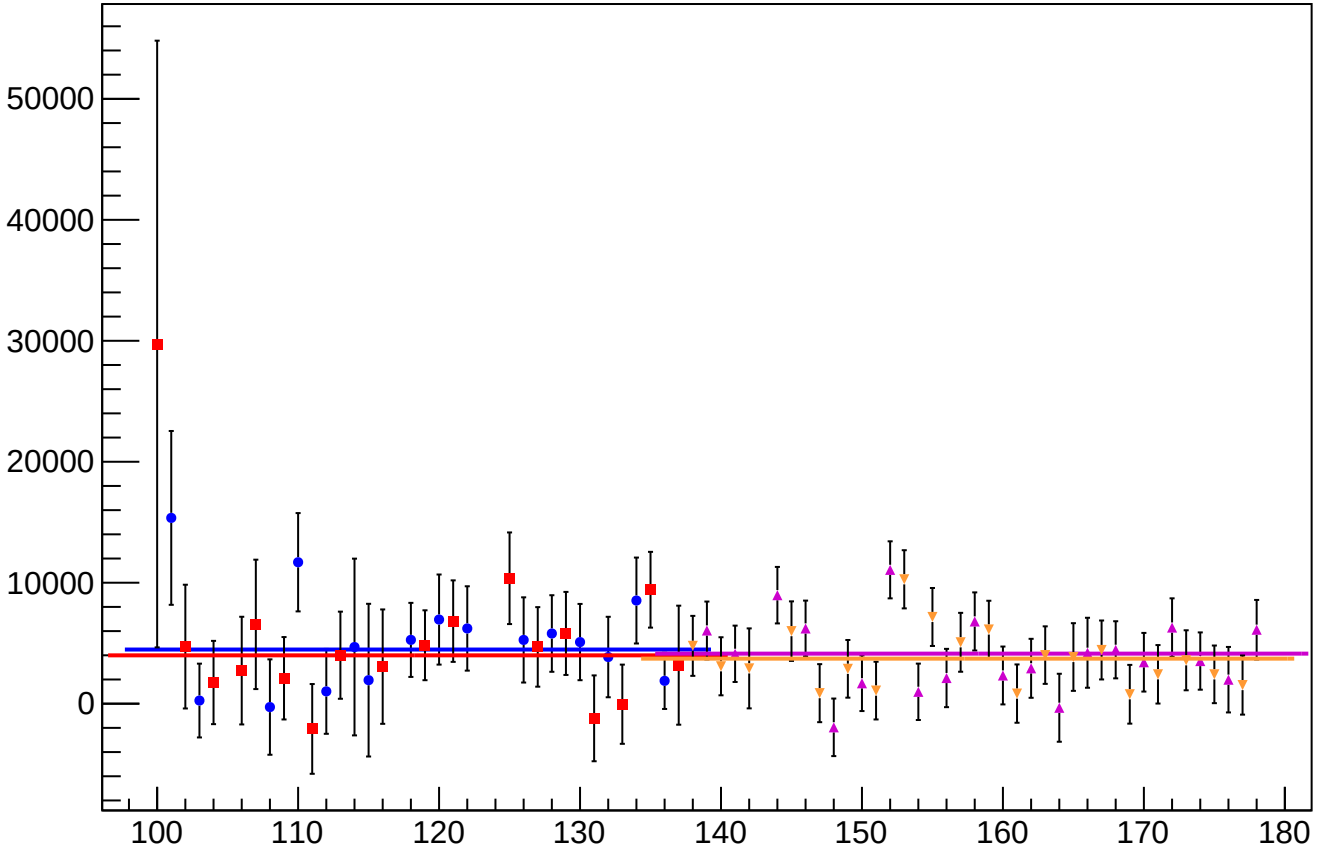
Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1889.346+/-0.283 χ^2/NDF:2112349.3/35

Out: 1897.241+/-0.289 χ^2/NDF:2178412.5/37

All: 1893.215+/-0.202 χ^2/NDF: 4291143.0/73

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug, Sign Corrected



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 3723.278+/-550.198 χ^2/NDF:19.2/19

Right Out: 3995.807+/-890.441 χ^2/NDF: 15.5/17

Left In: 4137.835+/-542.575 χ^2/NDF:31.4/19

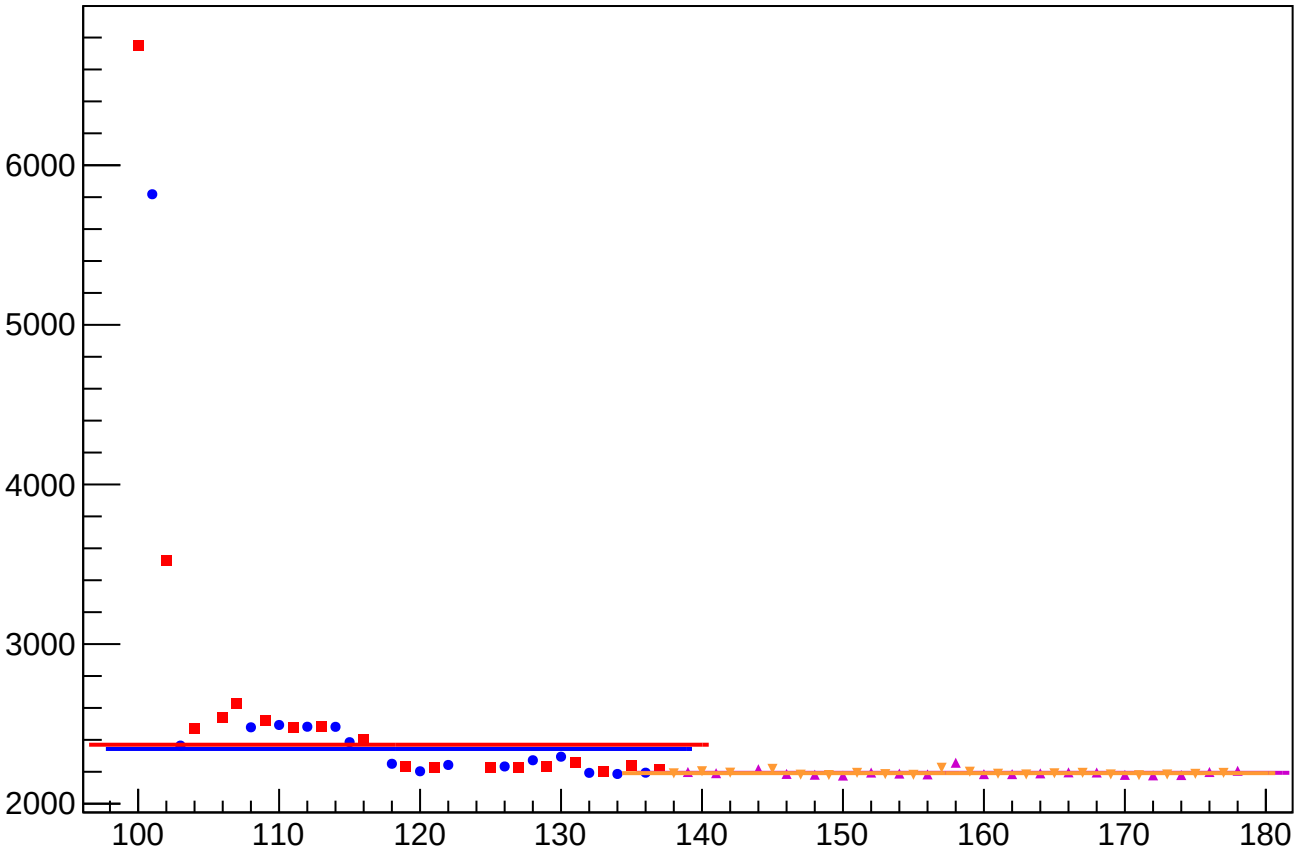
Left: 3933.449+/-386.325 χ^2/NDF: 50.9/39

Right: 4237.297+/-628.092 χ^2/NDF: 29.2/33

In: 4230.170+/-462.719 χ^2/NDF:45.1/35

Out: 3798.579+/-468.056 χ^2/NDF:34.7/37

All: 4016.849+/-329.062 χ^2/NDF: 80.2/73



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: 2193.512+/-0.384 χ^2/NDF:2126.0/19

Left: 2192.486+/-0.273 χ^2/NDF: 3112.8/39

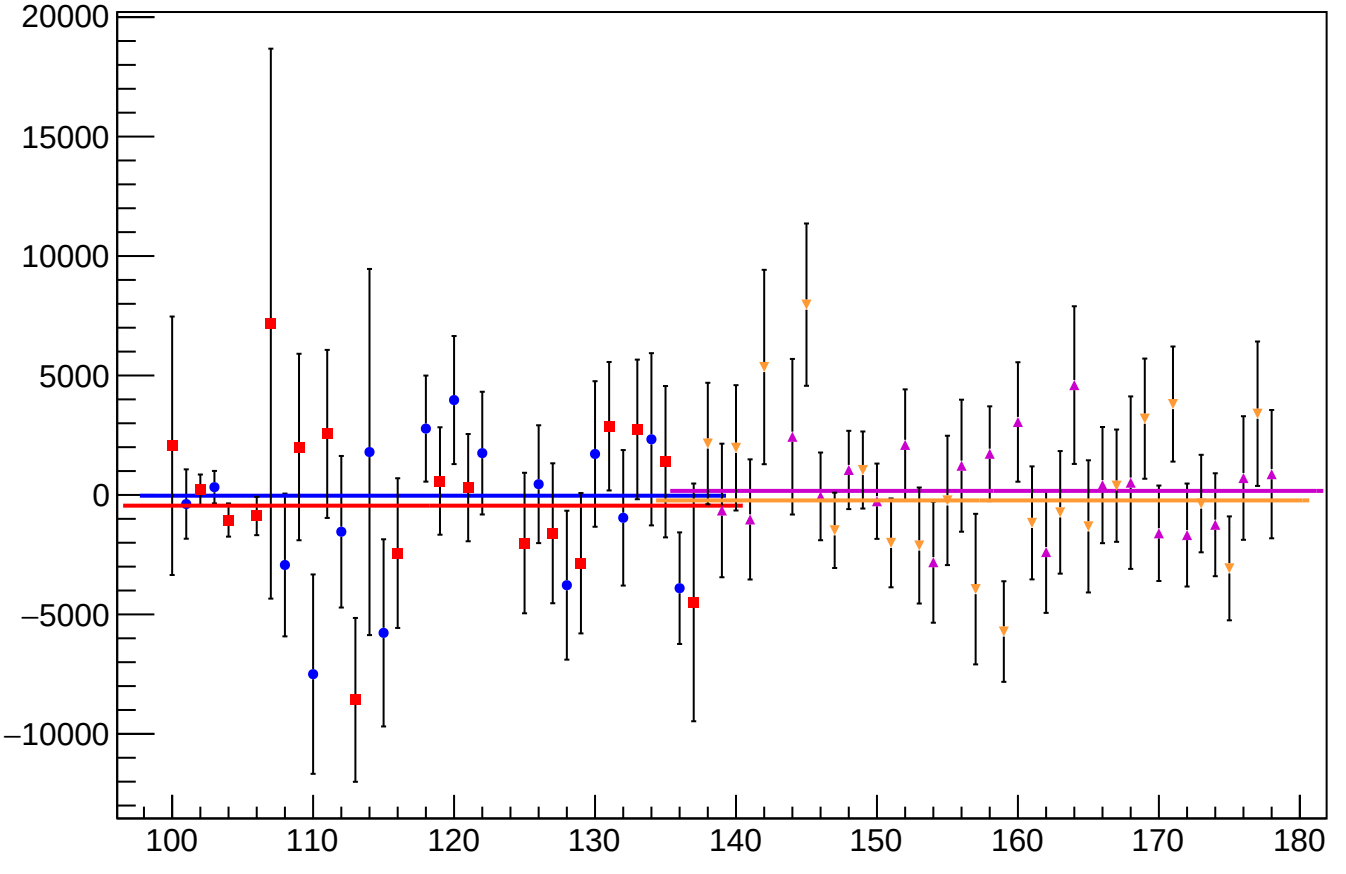
Right: 2356.178+/-0.444 χ^2/NDF: 713914.5/33

In: 2234.254+/-0.327 χ^2/NDF:546345.0/35

Out: 2240.652+/-0.331 χ^2/NDF:269050.8/37

All: 2237.416+/-0.233 χ^2/NDF: 815584.7/73

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: 170.221+/-512.968 χ^2/NDF:10.2/19

Left: -26.230+/-365.388 χ^2/NDF: 39.0/39

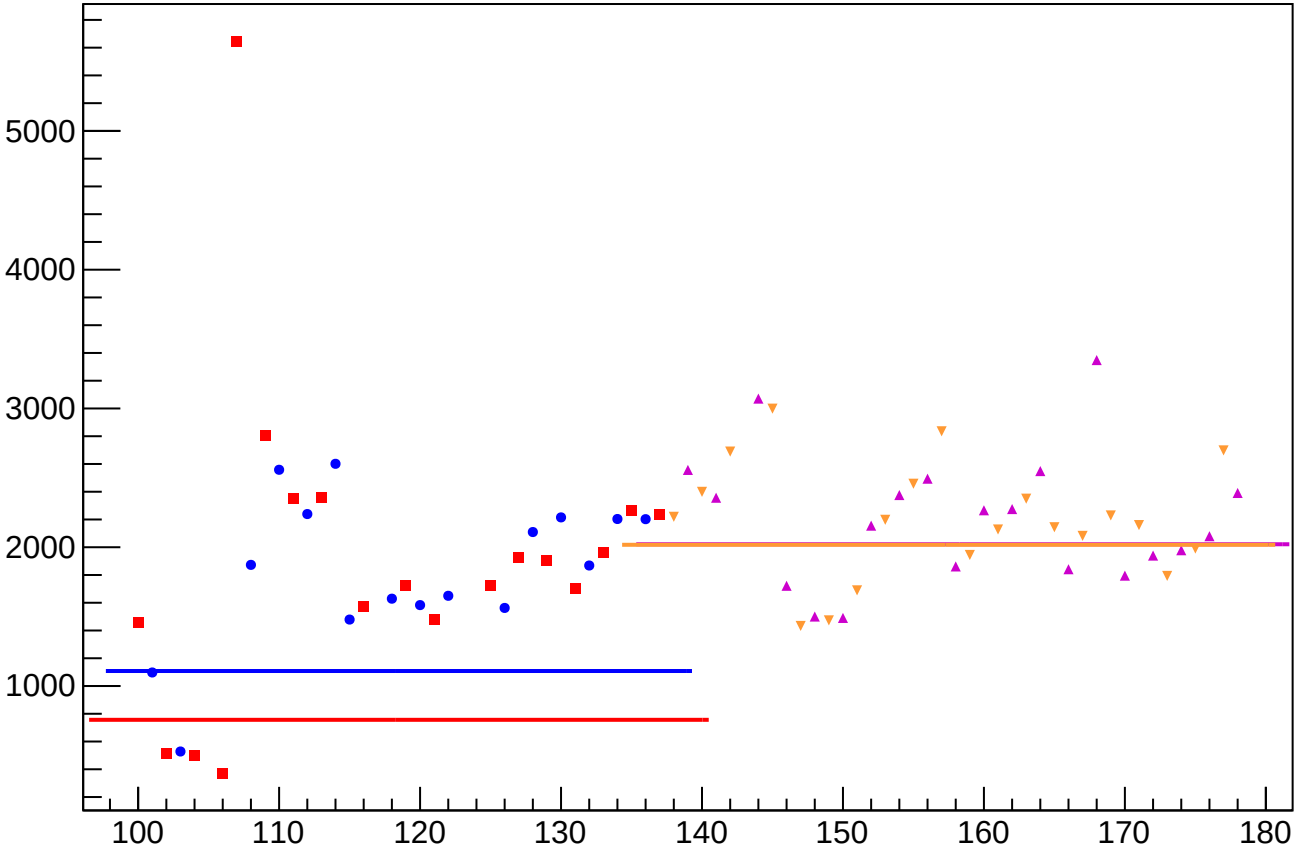
Right: -298.942+/-290.465 χ^2/NDF: 31.9/33

In: 63.836+/-352.546 χ^2/NDF:26.6/35

Out: -376.501+/-297.523 χ^2/NDF:43.7/37

All: -193.338+/-227.374 χ^2/NDF: 71.2/73

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 2017.675+/-0.368 χ^2/NDF:1233335.7/19

Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 2021.497+/-0.363 χ^2/NDF:1355997.0/19

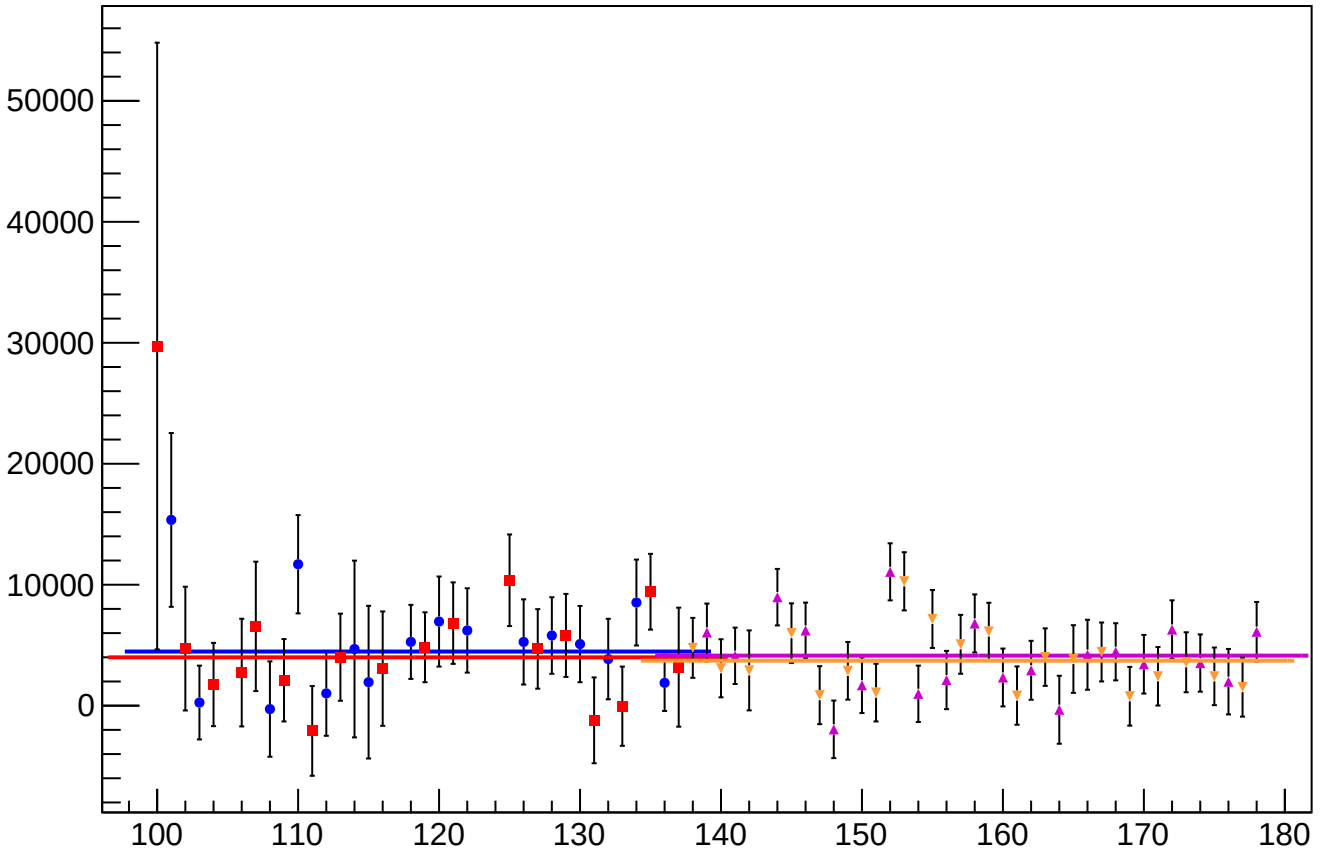
Left: 2019.615+/-0.258 χ^2/NDF: 2589387.4/39

Right: 882.403+/-0.205 χ^2/NDF: 10023844.2/33

In: 1539.550+/-0.249 χ^2/NDF:8448199.5/35

Out: 1168.378+/-0.210 χ^2/NDF:14741576.8/37

All: 1322.771+/-0.161 χ^2/NDF: 24484545.5/7



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: 4137.837+/-542.575 χ^2/NDF:31.4/19

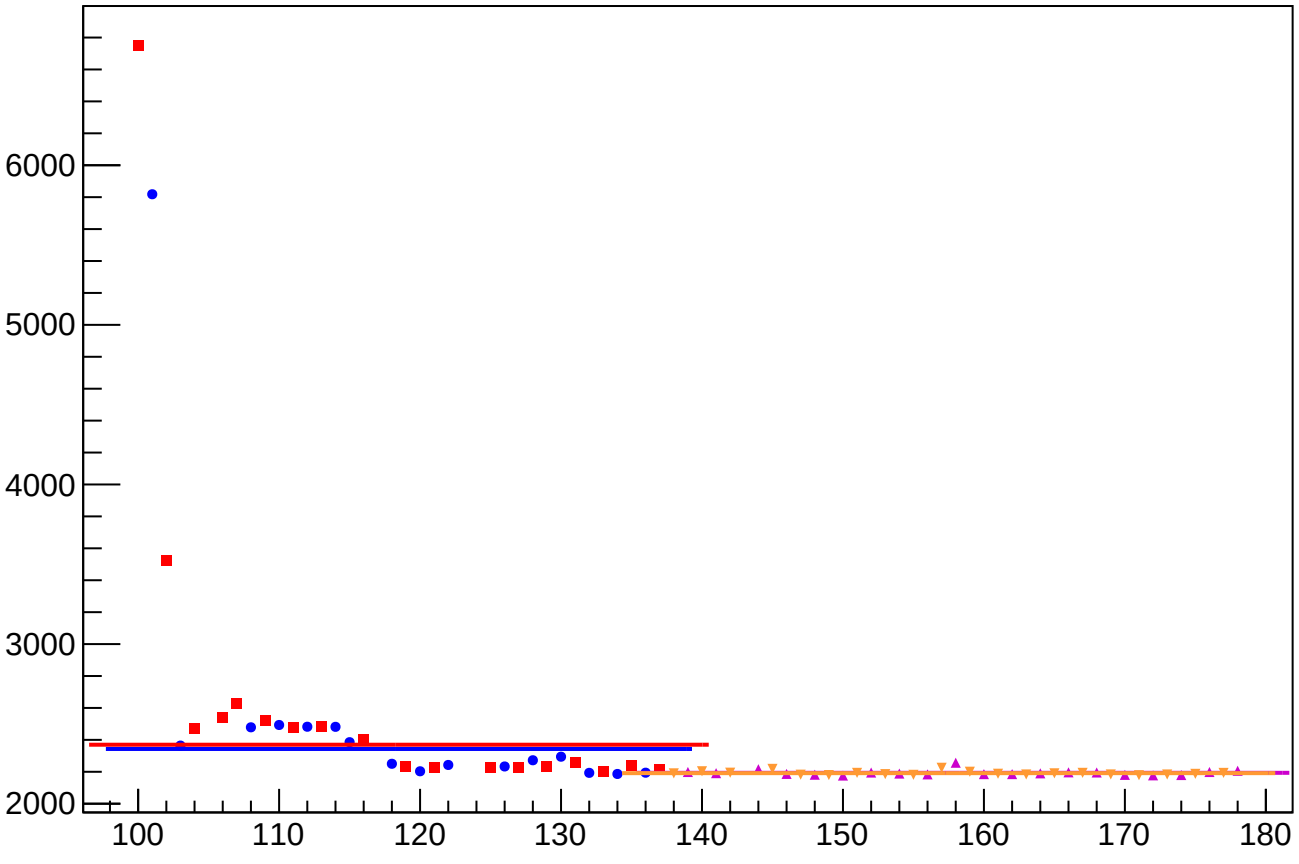
Left: 3933.449+/-386.325 χ^2/NDF: 50.9/39

Right: 4237.293+/-628.092 χ^2/NDF: 29.2/33

In: 4230.170+/-462.719 χ^2/NDF:45.1/35

Out: 3798.577+/-468.056 χ^2/NDF:34.7/37

All: 4016.848+/-329.062 χ^2/NDF: 80.2/73



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: 2193.512+/-0.384 χ^2/NDF:2126.1/19

Left: 2192.486+/-0.273 χ^2/NDF: 3112.8/39

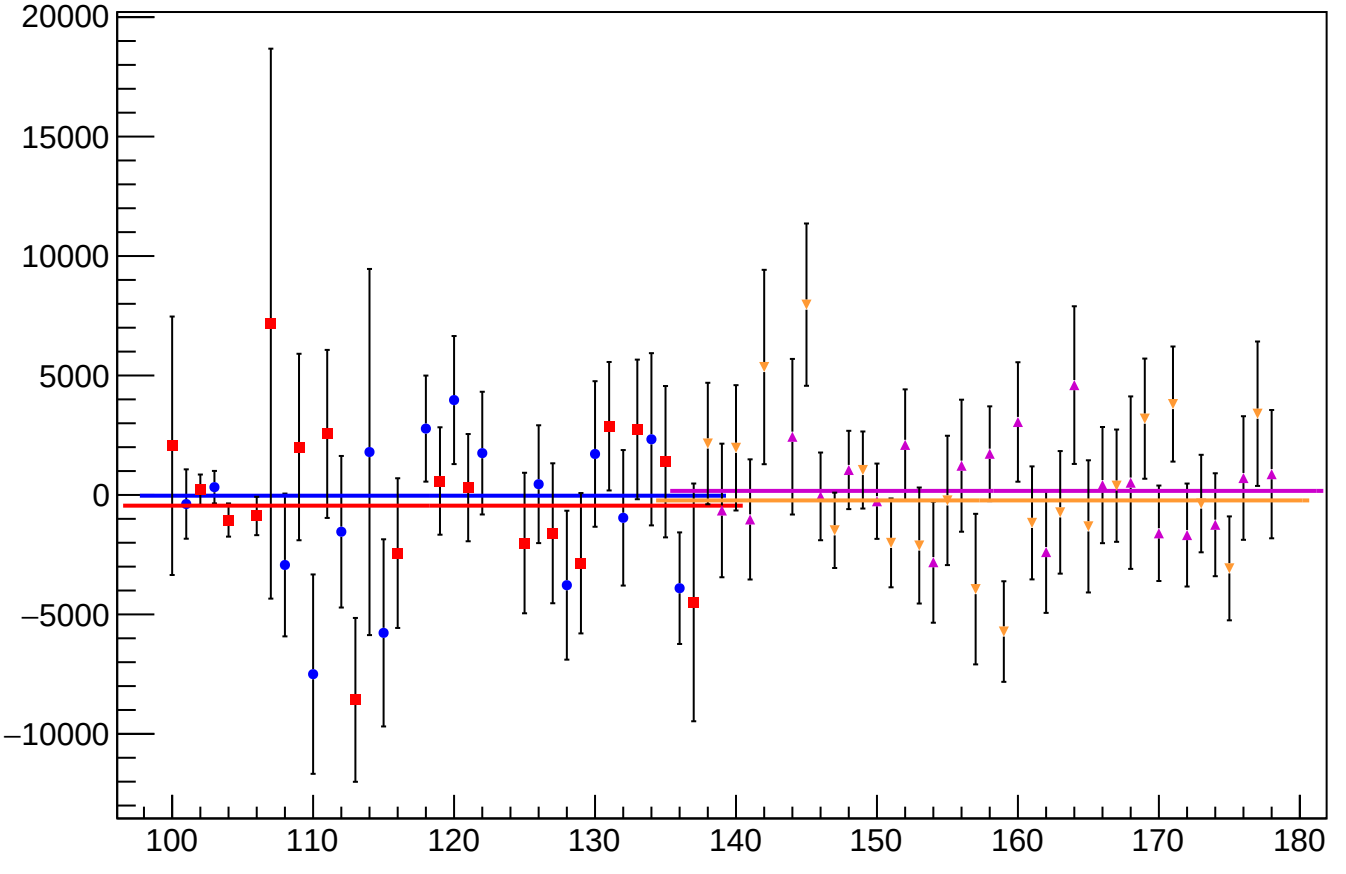
Right: 2356.177+/-0.444 χ^2/NDF: 713913.5/33

In: 2234.254+/-0.327 χ^2/NDF:546344.7/35

Out: 2240.652+/-0.331 χ^2/NDF:269049.3/37

All: 2237.416+/-0.233 χ^2/NDF: 815583.0/73

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: 170.222+/-512.969 χ^2/NDF:10.2/19

Left: -26.231+/-365.388 χ^2/NDF: 39.0/39

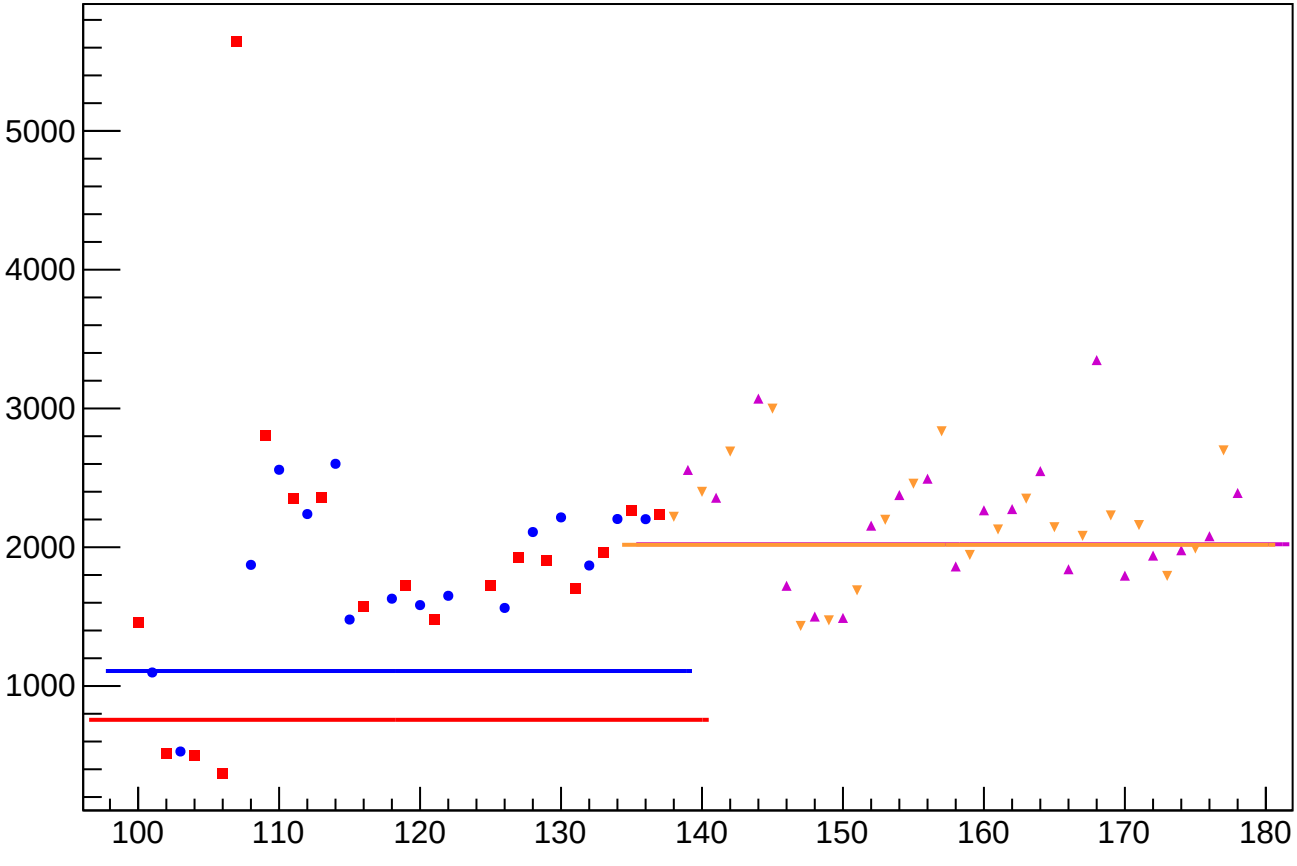
Right: -298.945+/-290.468 χ^2/NDF: 31.9/33

In: 63.833+/-352.547 χ^2/NDF:26.6/35

Out: -376.504+/-297.526 χ^2/NDF:43.7/37

All: -193.340+/-227.376 χ^2/NDF: 71.2/73

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: 2021.501+/-0.363 χ^2/NDF:1355995.7/19

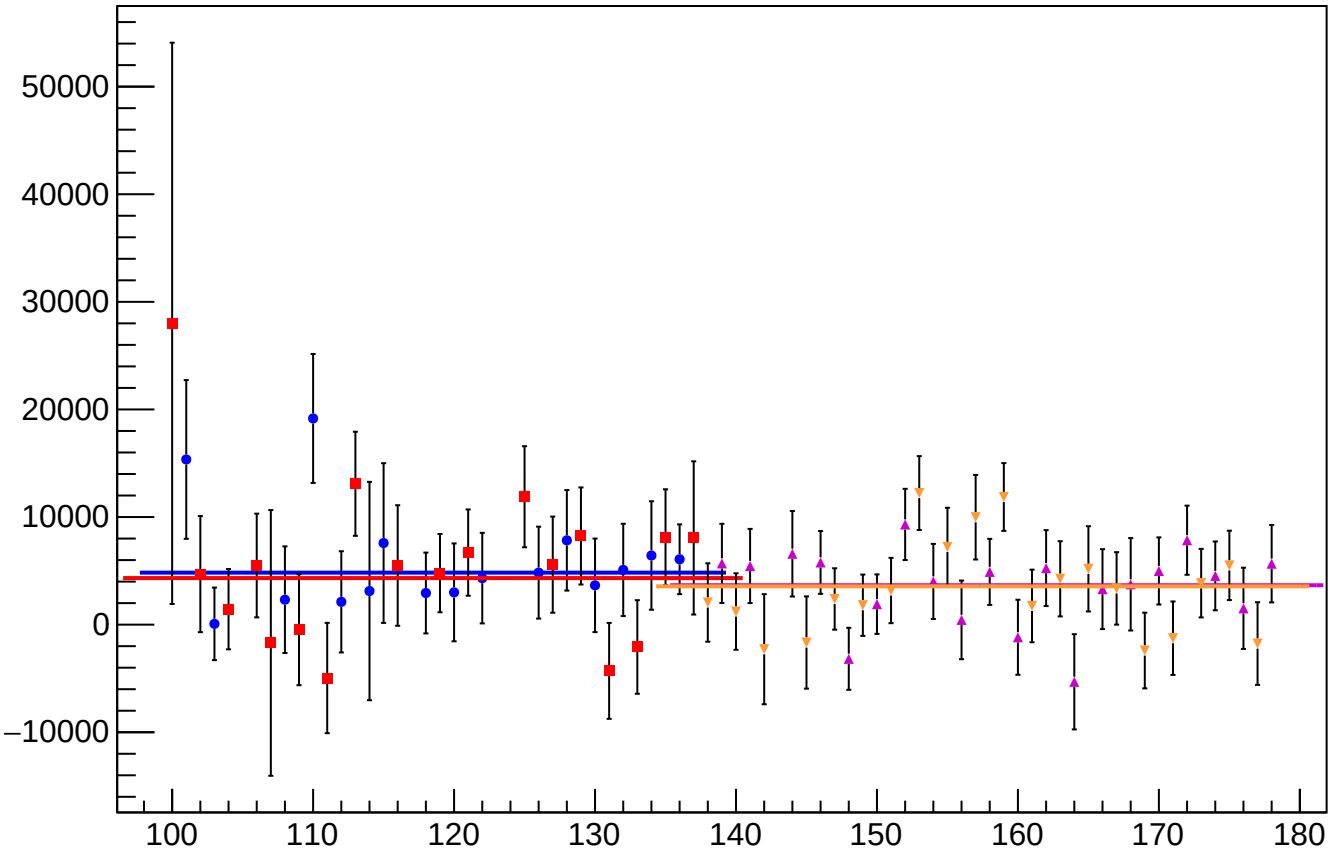
Left: 2019.618+/-0.258 χ^2/NDF: 2589385.9/39

Right: 882.417+/-0.205 χ^2/NDF: 10023620.2/33

In: 1539.559+/-0.249 χ^2/NDF:8448055.2/35

Out: 1168.396+/-0.210 χ^2/NDF:14741228.2/37

All: 1322.786+/-0.161 χ^2/NDF: 24483973.8/7



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: 3661.467+/-760.407 χ^2/NDF:20.4/19

Left: 3611.614+/-541.695 χ^2/NDF: 49.0/39

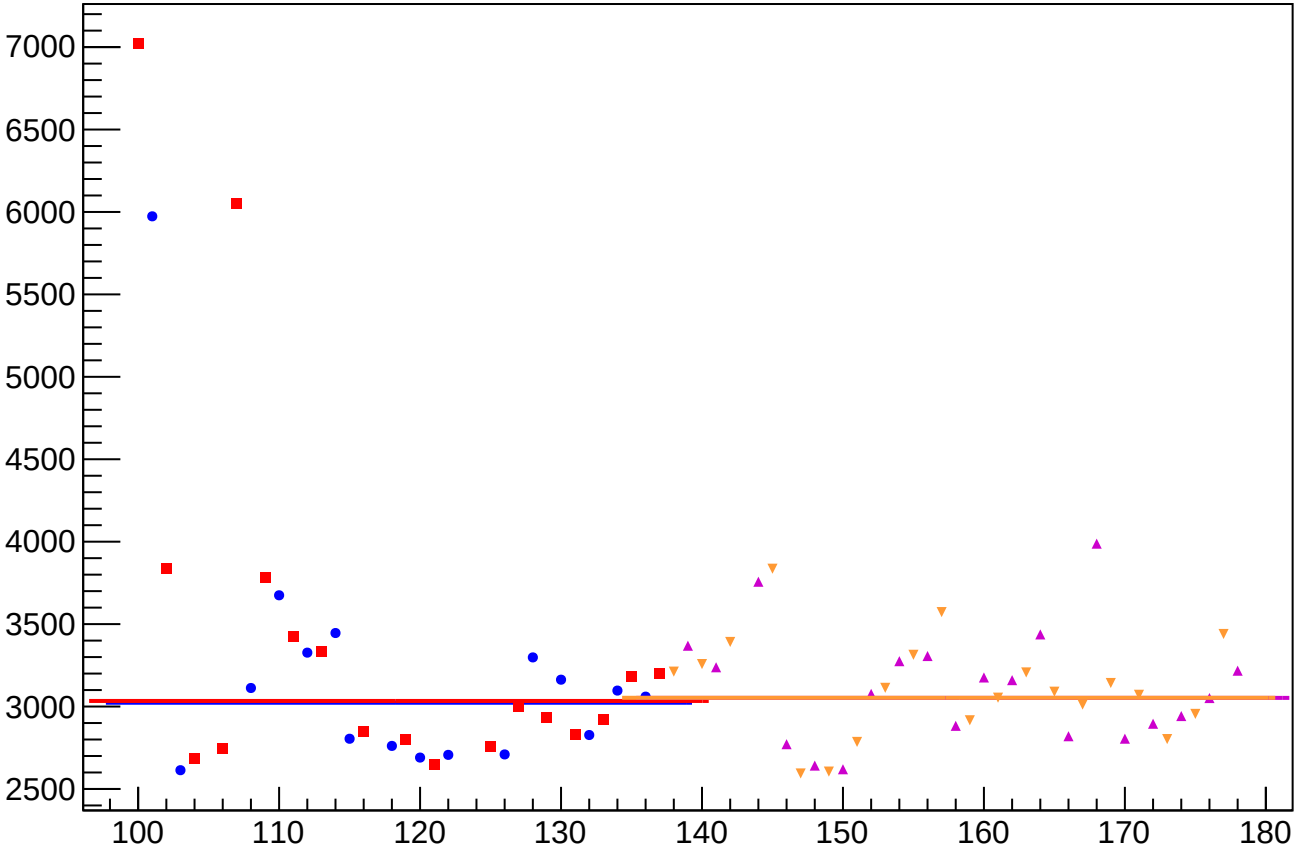
Right: 4581.647+/-808.603 χ^2/NDF: 31.7/33

In: 4021.345+/-633.025 χ^2/NDF:32.8/35

Out: 3800.450+/-639.941 χ^2/NDF:48.8/37

All: 3912.098+/-450.042 χ^2/NDF: 81.7/73

asym_us_avg_at1lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 3053.121+/-0.546 χ^2/NDF:292404.1/19

Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3052.476+/-0.538 χ^2/NDF:361819.5/19

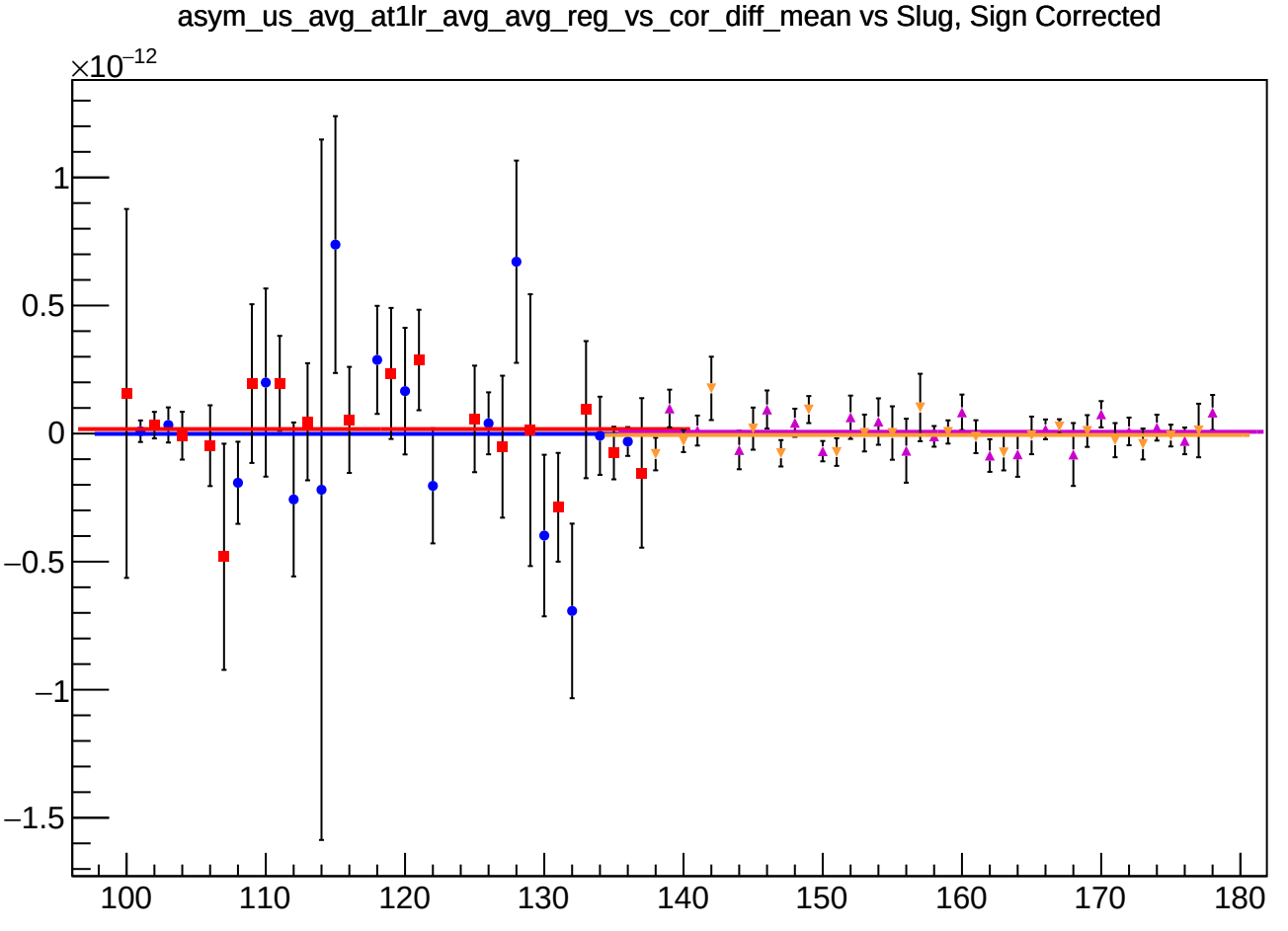
Left: 3052.794+/-0.383 χ^2/NDF: 654224.3/39

Right: 3028.459+/-0.572 χ^2/NDF: 786469.7/33

In: 3043.449+/-0.448 χ^2/NDF:806443.6/35

Out: 3047.102+/-0.453 χ^2/NDF:635467.7/37

All: 3045.256+/-0.318 χ^2/NDF: 1441944.3/73



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:17.5/19

Left: 0.000+/-0.000 χ^2/NDF: 32.4/39

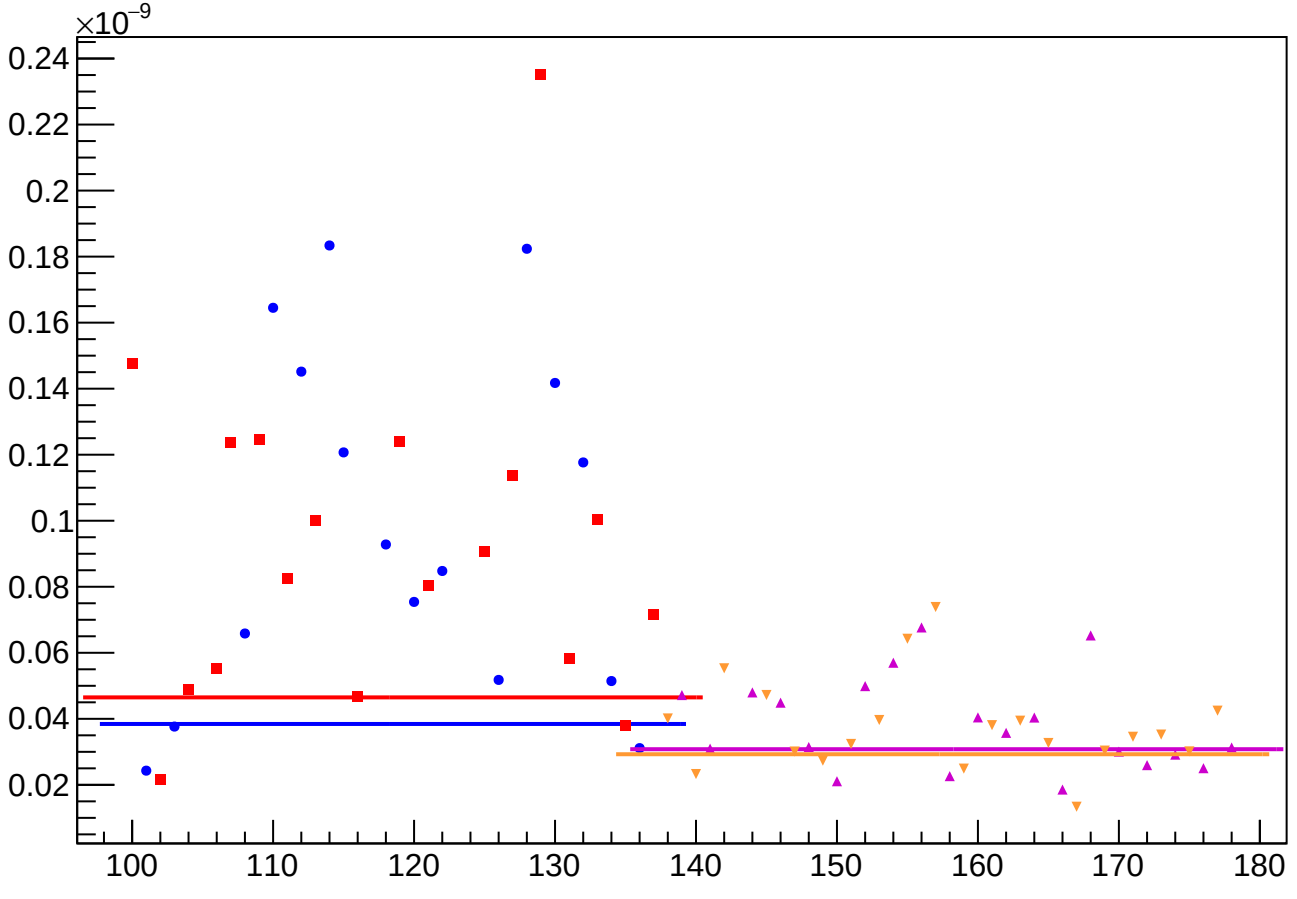
Right: 0.000+/-0.000 χ^2/NDF: 26.3/33

In: 0.000+/-0.000 χ^2/NDF:34.7/35

Out: -0.000+/-0.000 χ^2/NDF:23.9/37

All: 0.000+/-0.000 χ^2/NDF: 58.8/73

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1771405.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1582963.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 1697135.5/17

Left In: 0.000+/-0.000 χ^2/NDF:1395636.8/19

Left: 0.000+/-0.000 χ^2/NDF: 2992468.2/39

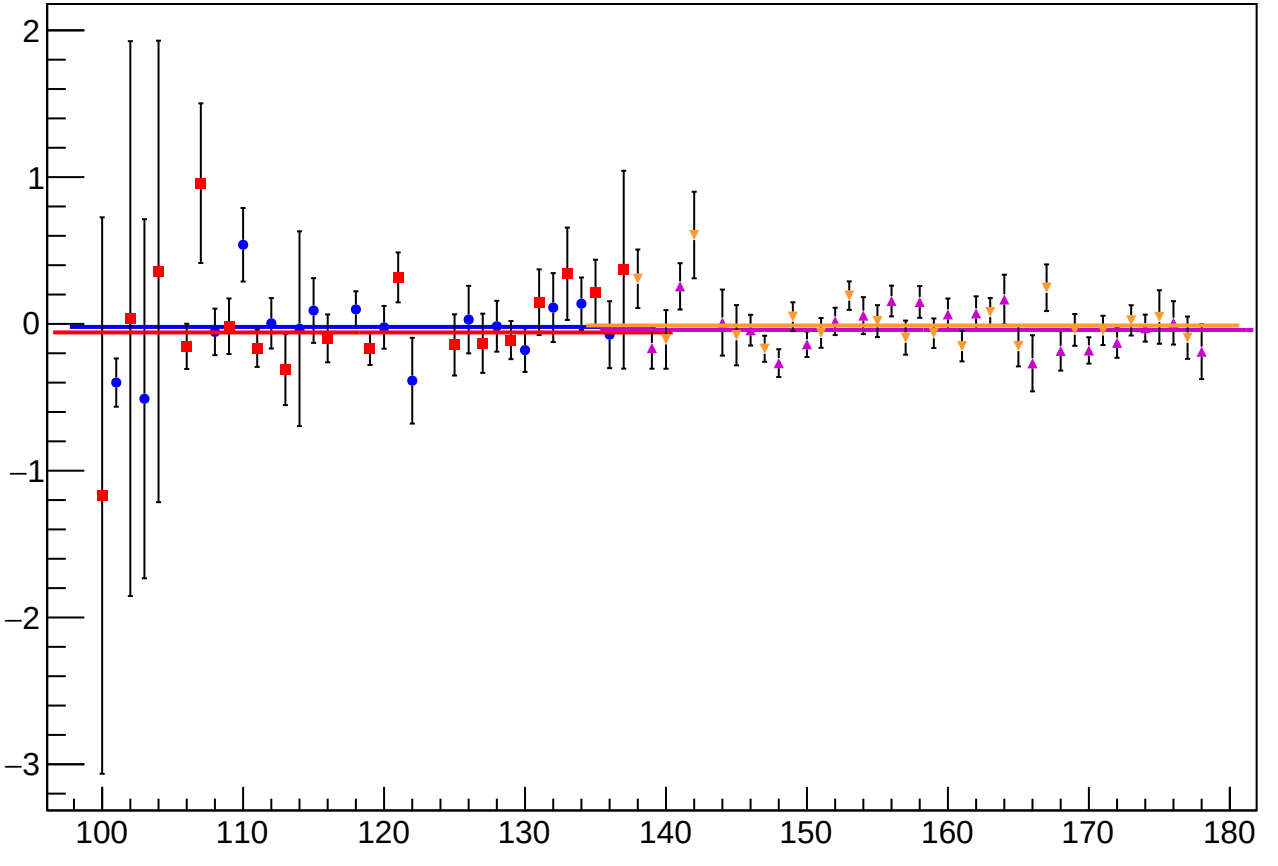
Right: 0.000+/-0.000 χ^2/NDF: 3535596.3/33

In: 0.000+/-0.000 χ^2/NDF:3294597.2/35

Out: 0.000+/-0.000 χ^2/NDF:3718416.1/37

All: 0.000+/-0.000 χ^2/NDF: 7018963.0/73

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: -0.041+/-0.026 χ^2/NDF:28.8/19

Left: -0.026+/-0.019 χ^2/NDF: 52.9/39

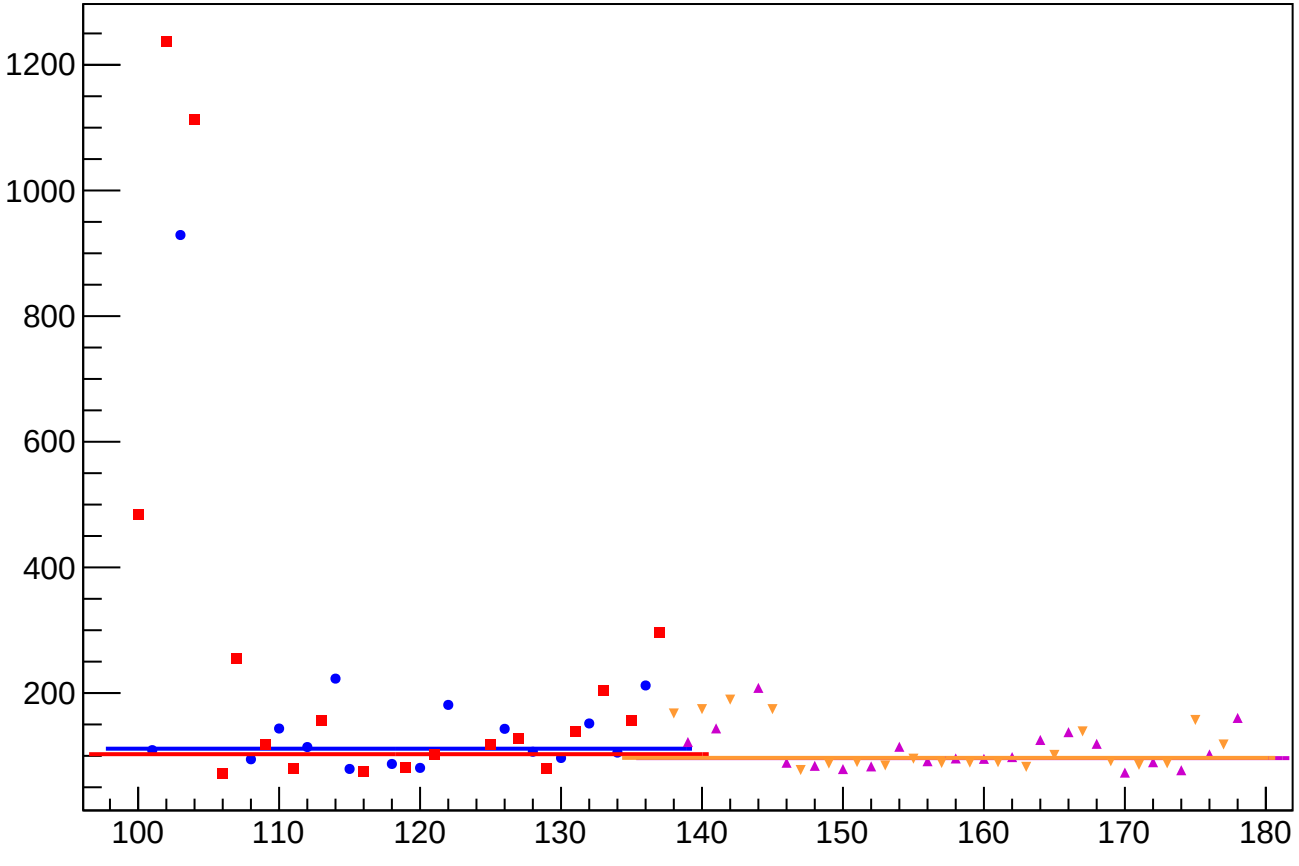
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.037+/-0.023 χ^2/NDF:44.6/35

Out: -0.022+/-0.023 χ^2/NDF:41.0/37

All: -0.029+/-0.016 χ^2/NDF: 85.8/73

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: 96.399+/-0.018 χ^2/NDF:1626749.1/19

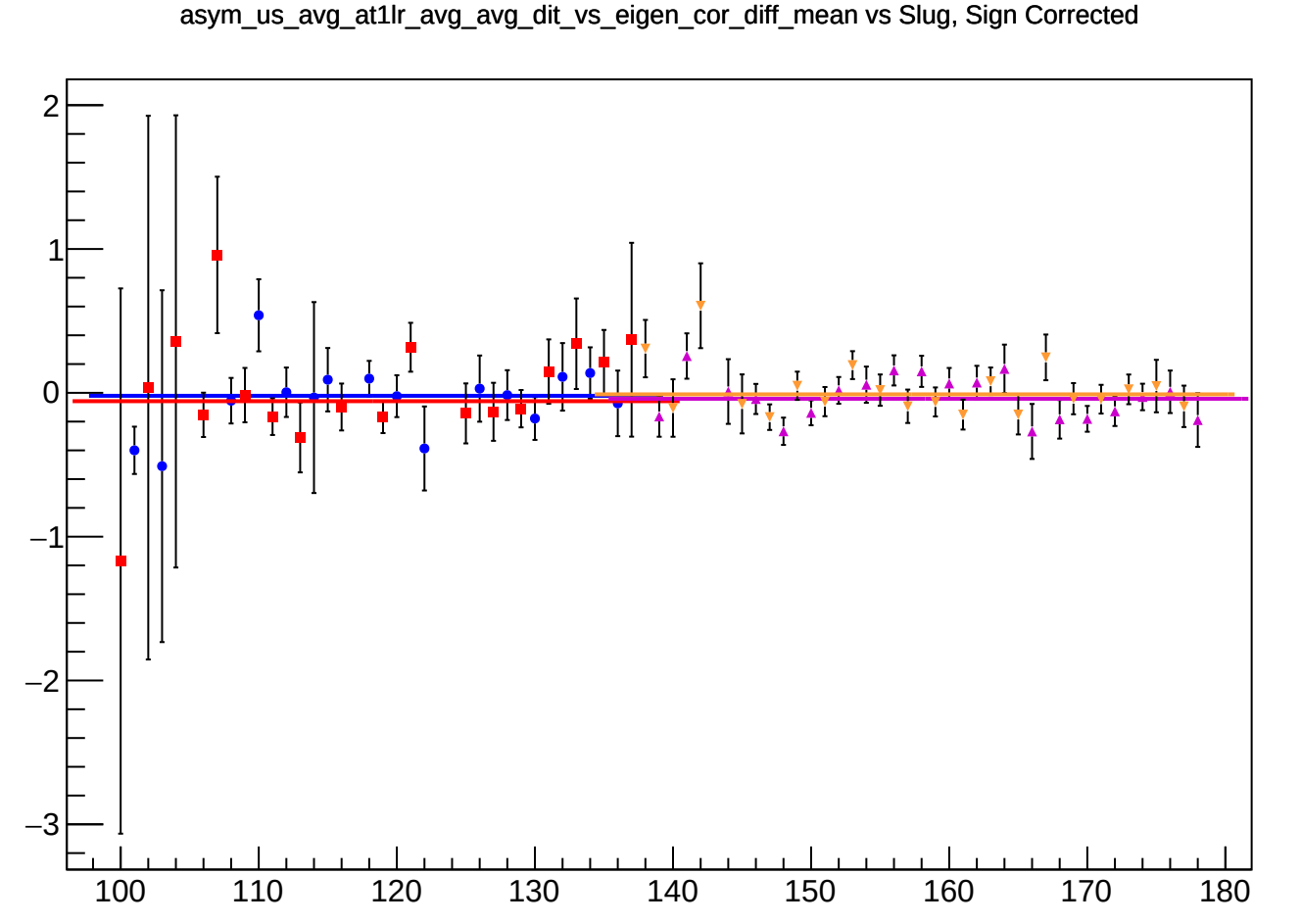
Left: 96.593+/-0.013 χ^2/NDF: 3338984.3/39

Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 99.822+/-0.016 χ^2/NDF:3619389.3/35

Out: 98.239+/-0.016 χ^2/NDF:4563058.6/37

All: 99.039+/-0.011 χ^2/NDF: 8187241.7/73



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: -0.041+/-0.026 χ^2/NDF:28.8/19

Left: -0.026+/-0.019 χ^2/NDF: 52.9/39

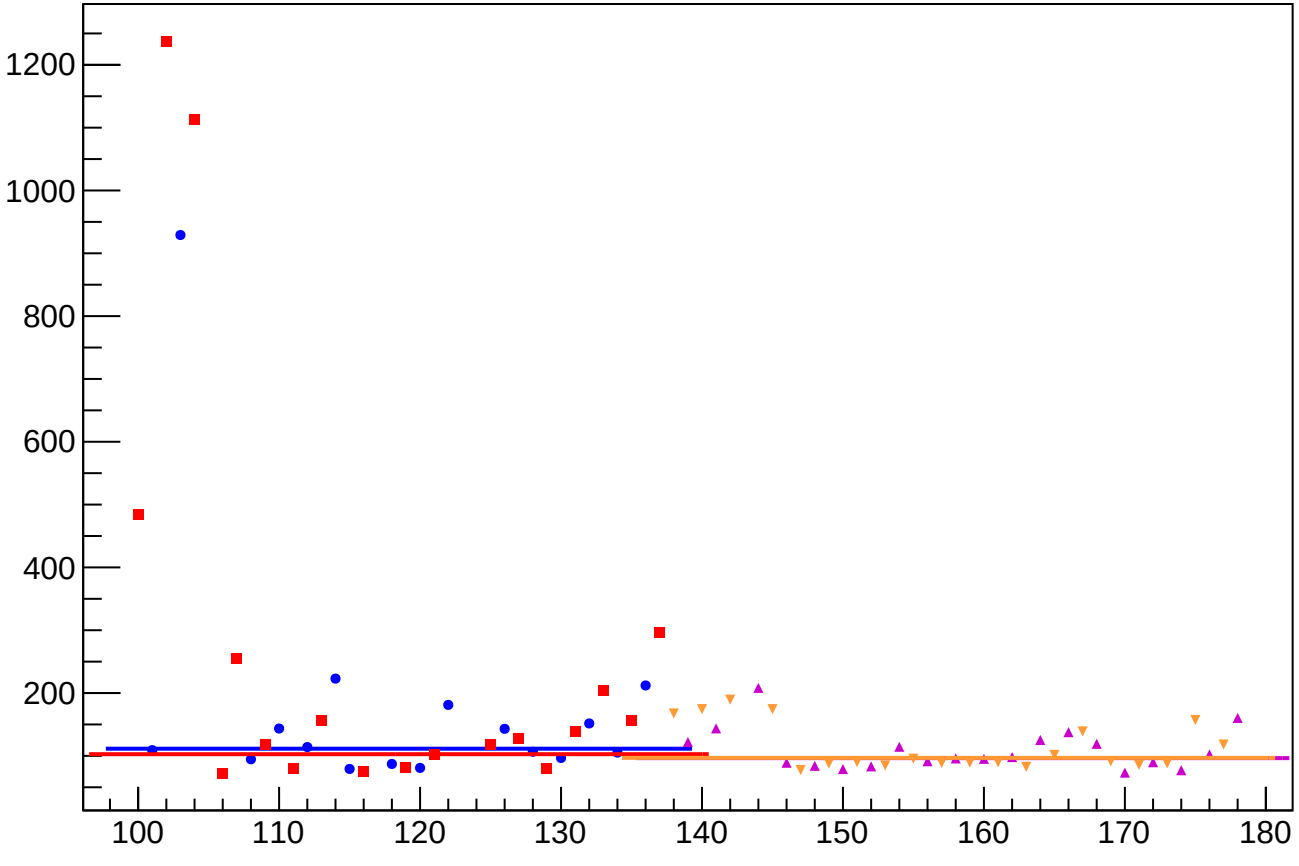
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.037+/-0.023 χ^2/NDF:44.6/35

Out: -0.022+/-0.023 χ^2/NDF:41.0/37

All: -0.029+/-0.016 χ^2/NDF: 85.8/73

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: 96.399+/-0.018 χ^2/NDF:1626749.1/19

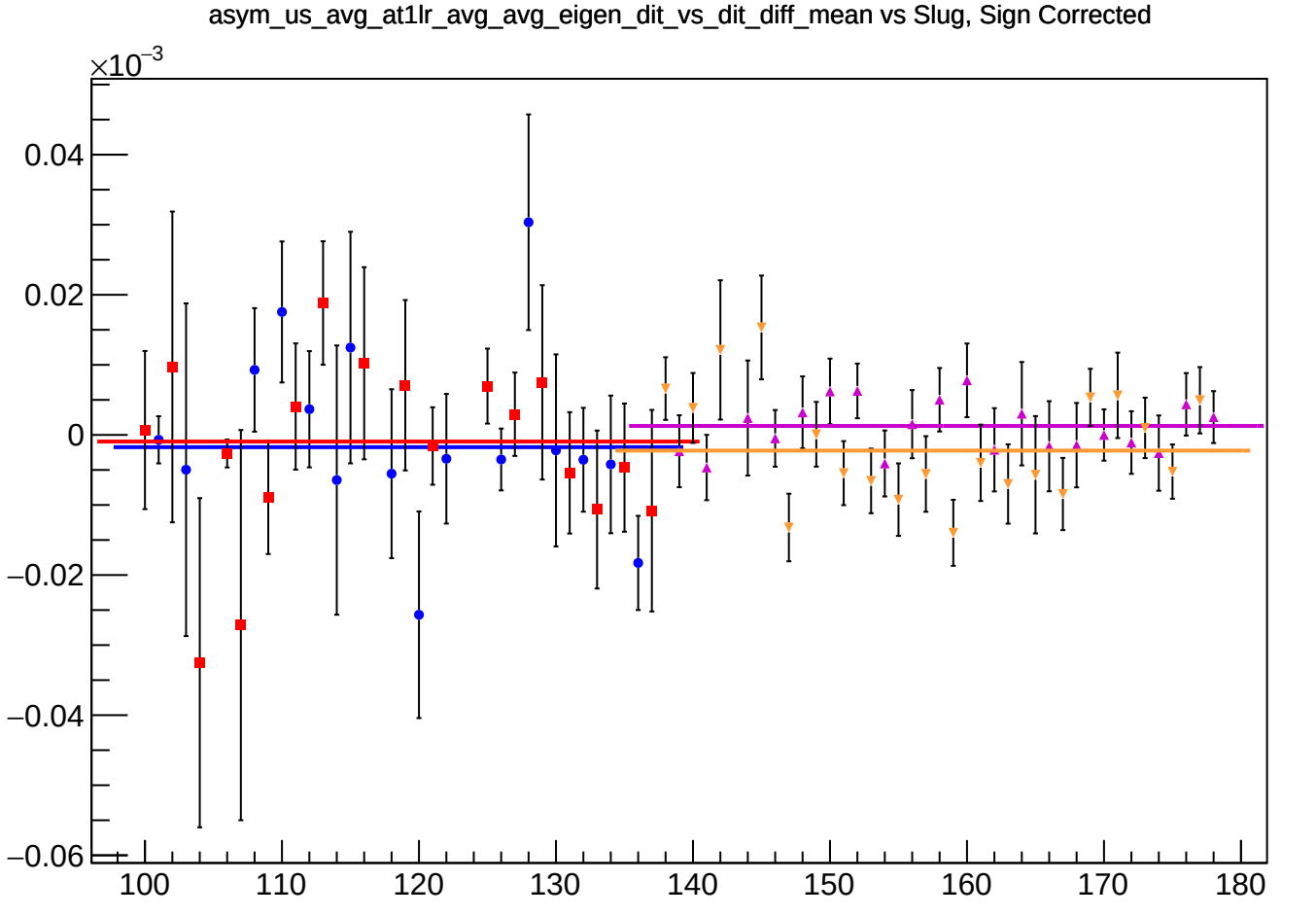
Left: 96.593+/-0.013 χ^2/NDF: 3338984.3/39

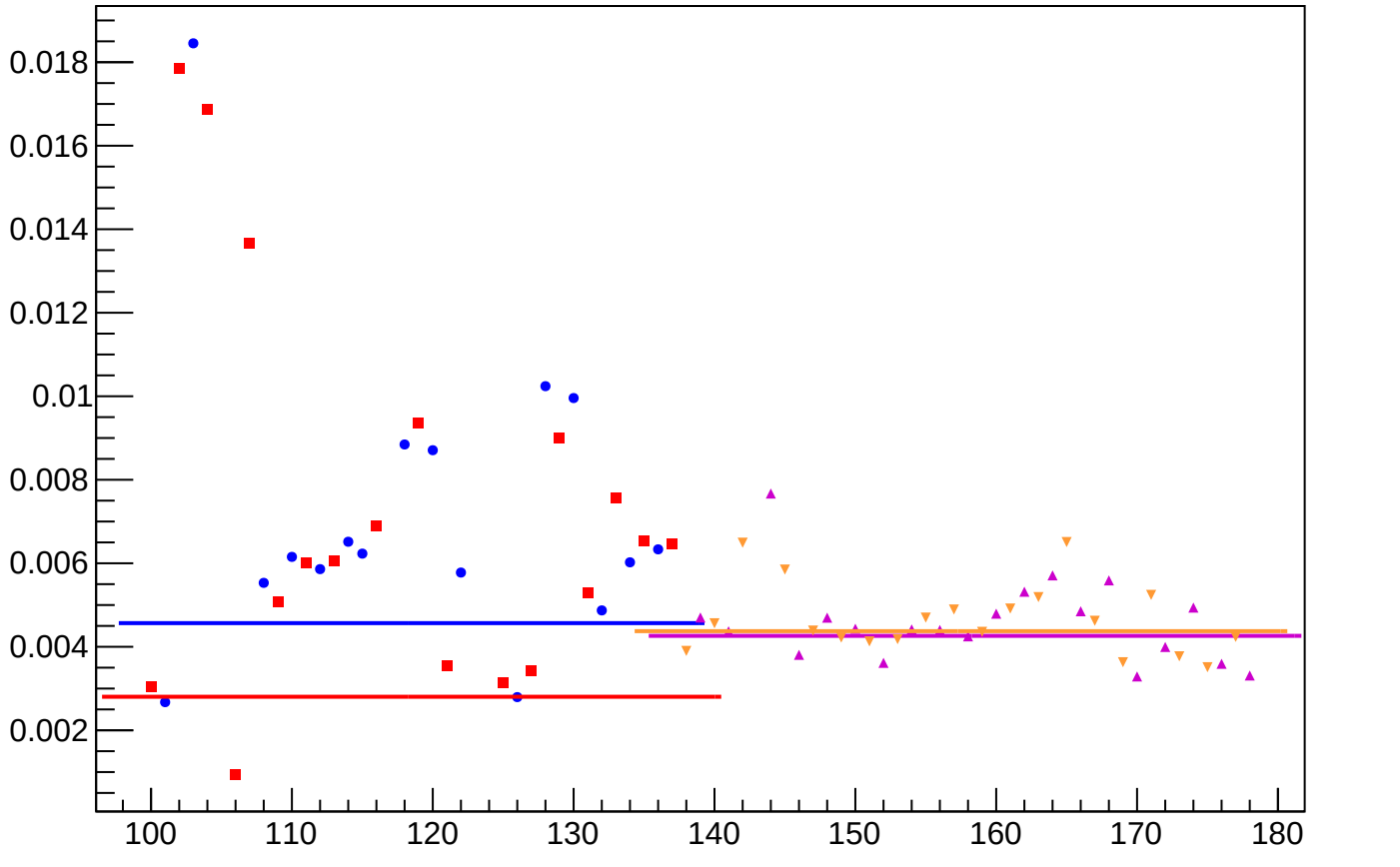
Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 99.822+/-0.016 χ^2/NDF:3619389.3/35

Out: 98.239+/-0.016 χ^2/NDF:4563058.6/37

All: 99.039+/-0.011 χ^2/NDF: 8187241.7/73


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.04
0.02
0
−0.02
−0.04
−0.06
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 20.0/15
Left Out: -0.000+/-0.000 χ²/NDF:39.4/19
Right Out: -0.000+/-0.000 χ²/NDF: 15.7/17
Left In: 0.000+/-0.000 χ²/NDF:11.0/19
Left: -0.000+/-0.000 χ²/NDF: 55.5/39
Right: -0.000+/-0.000 χ²/NDF: 35.9/33
In: 0.000+/-0.000 χ²/NDF:32.9/35
Out: -0.000+/-0.000 χ²/NDF:55.6/37
All: -0.000+/-0.000 χ²/NDF: 91.7/73



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:1092116.1/19

Left: 0.004+/-0.000 χ^2/NDF: 1778579.1/39

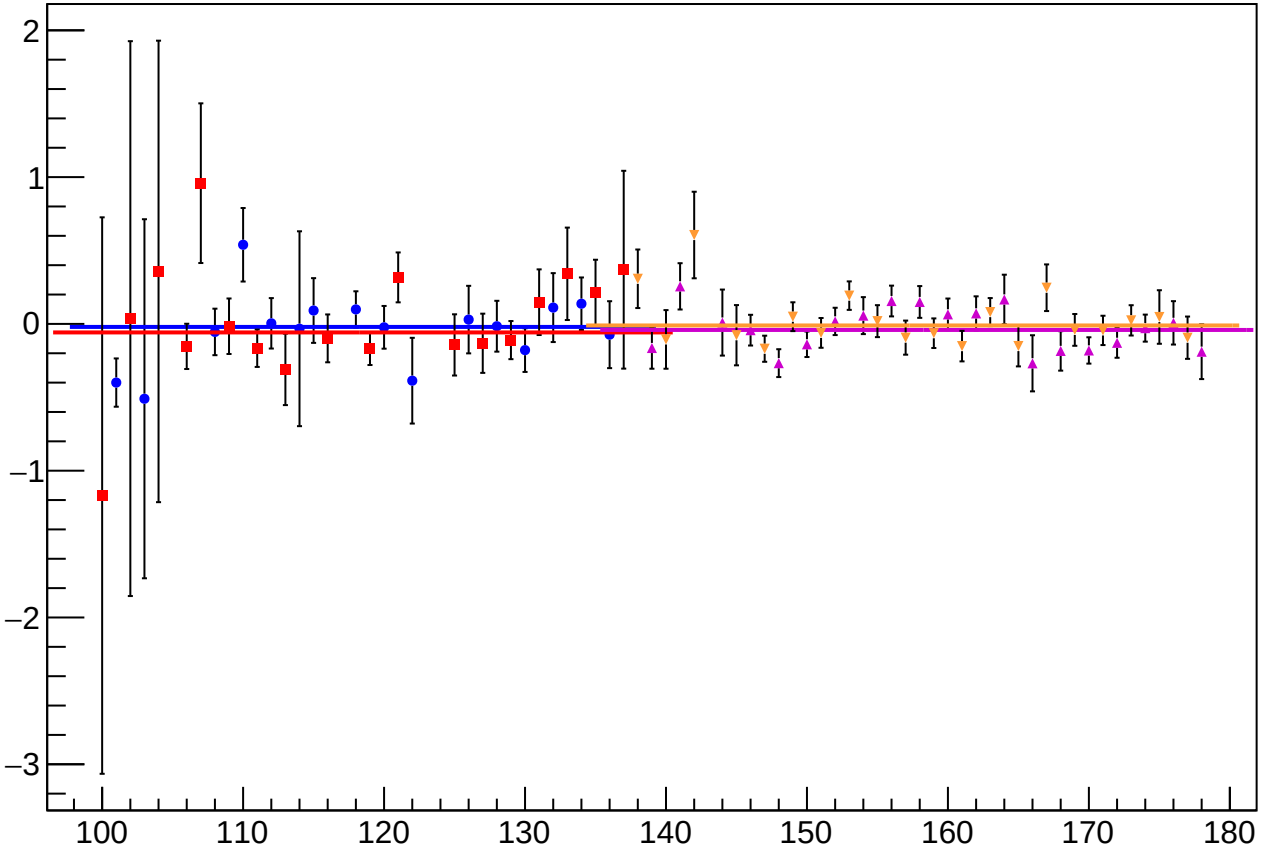
Right: 0.003+/-0.000 χ^2/NDF: 10674508.6/33

In: 0.004+/-0.000 χ^2/NDF:4142368.4/35

Out: 0.004+/-0.000 χ^2/NDF:8716016.7/37

All: 0.004+/-0.000 χ^2/NDF: 13200218.4/73

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.011+/-0.026 χ^2/NDF:23.4/19

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.041+/-0.026 χ^2/NDF:28.8/19

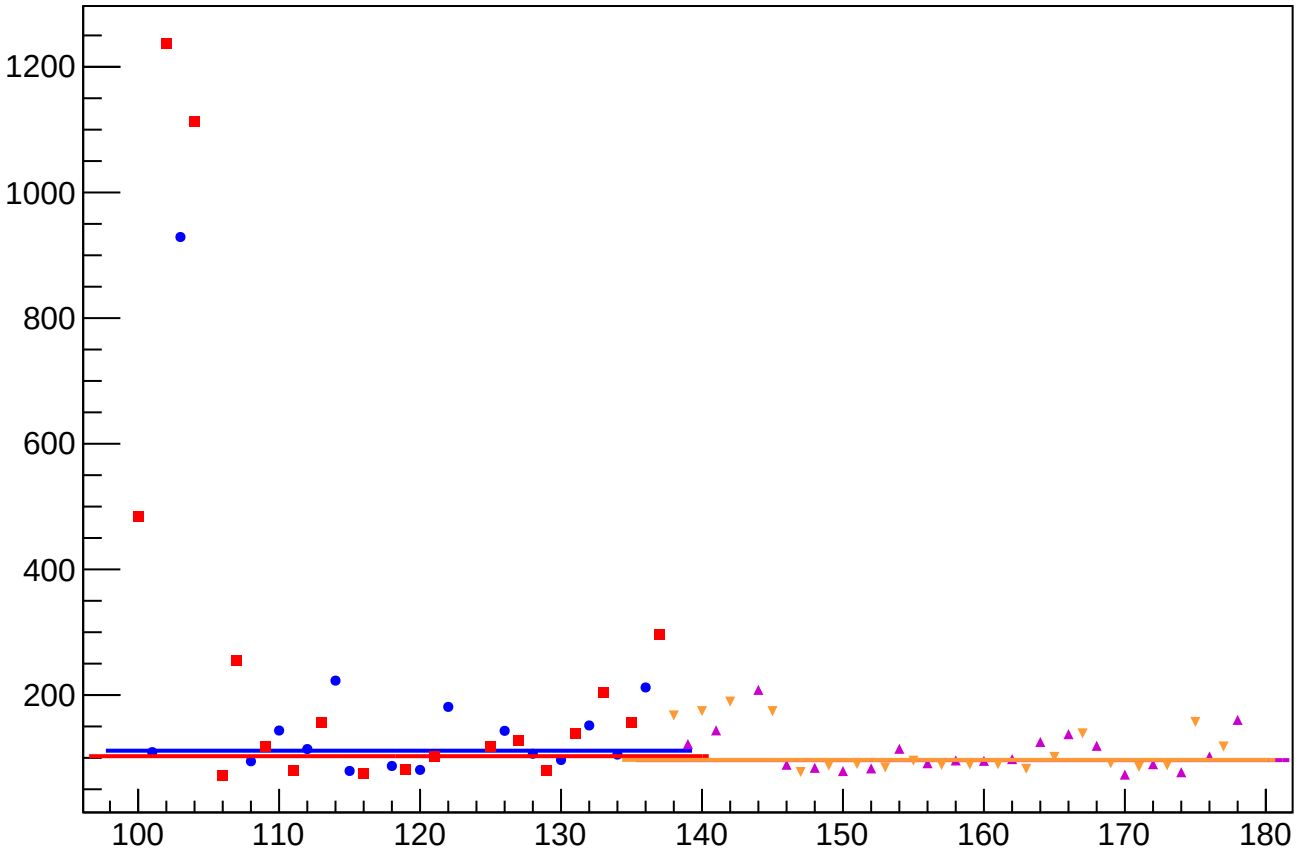
Left: -0.026+/-0.019 χ^2/NDF: 52.9/39

Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.037+/-0.023 χ^2/NDF:44.6/35

Out: -0.022+/-0.023 χ^2/NDF:41.0/37

All: -0.029+/-0.016 χ^2/NDF: 85.8/73



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: 96.399+/-0.018 χ^2/NDF:1626720.1/19

Left: 96.594+/-0.013 χ^2/NDF: 3338926.9/39

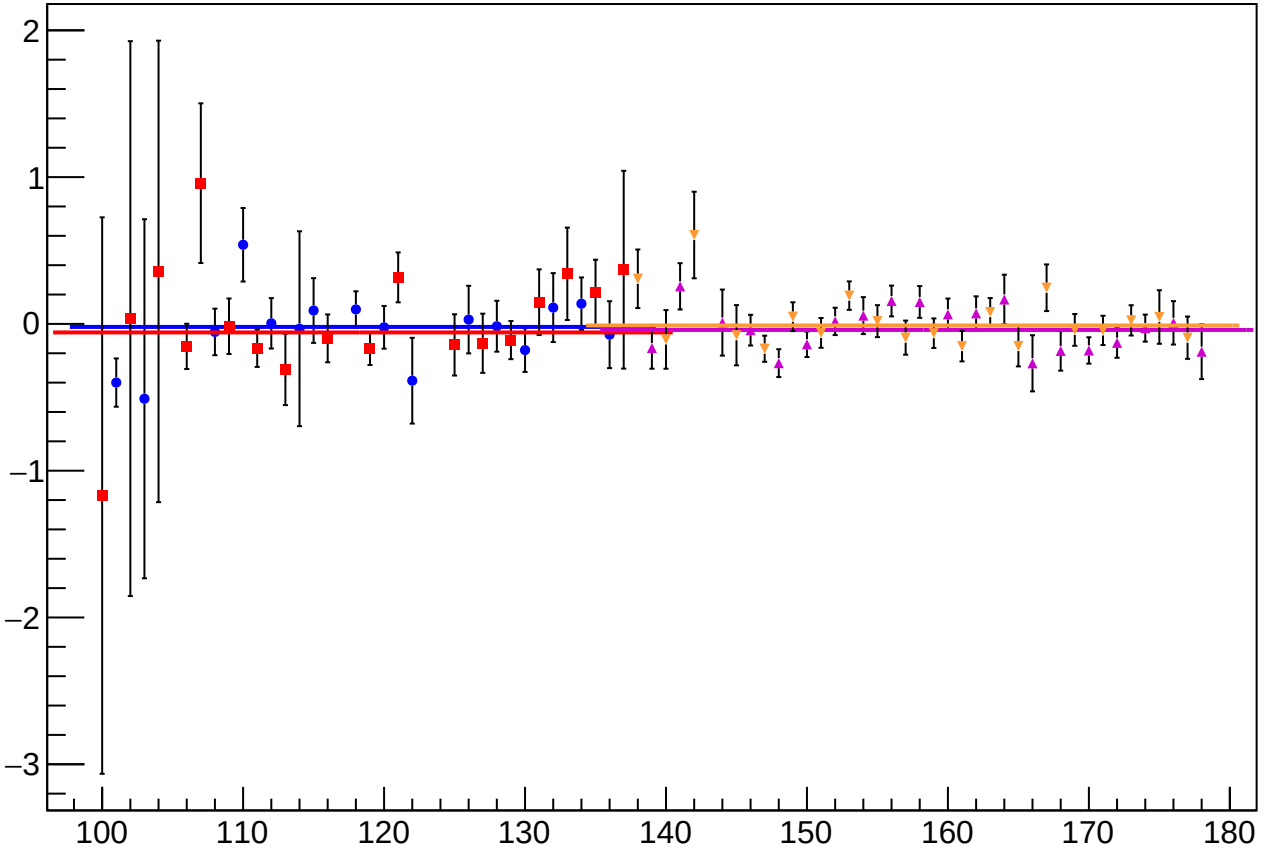
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 99.822+/-0.016 χ^2/NDF:3619346.4/35

Out: 98.239+/-0.016 χ^2/NDF:4563007.0/37

All: 99.039+/-0.011 χ^2/NDF: 8187145.1/73

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: -0.041+/-0.026 χ^2/NDF:28.8/19

Left: -0.026+/-0.019 χ^2/NDF: 52.9/39

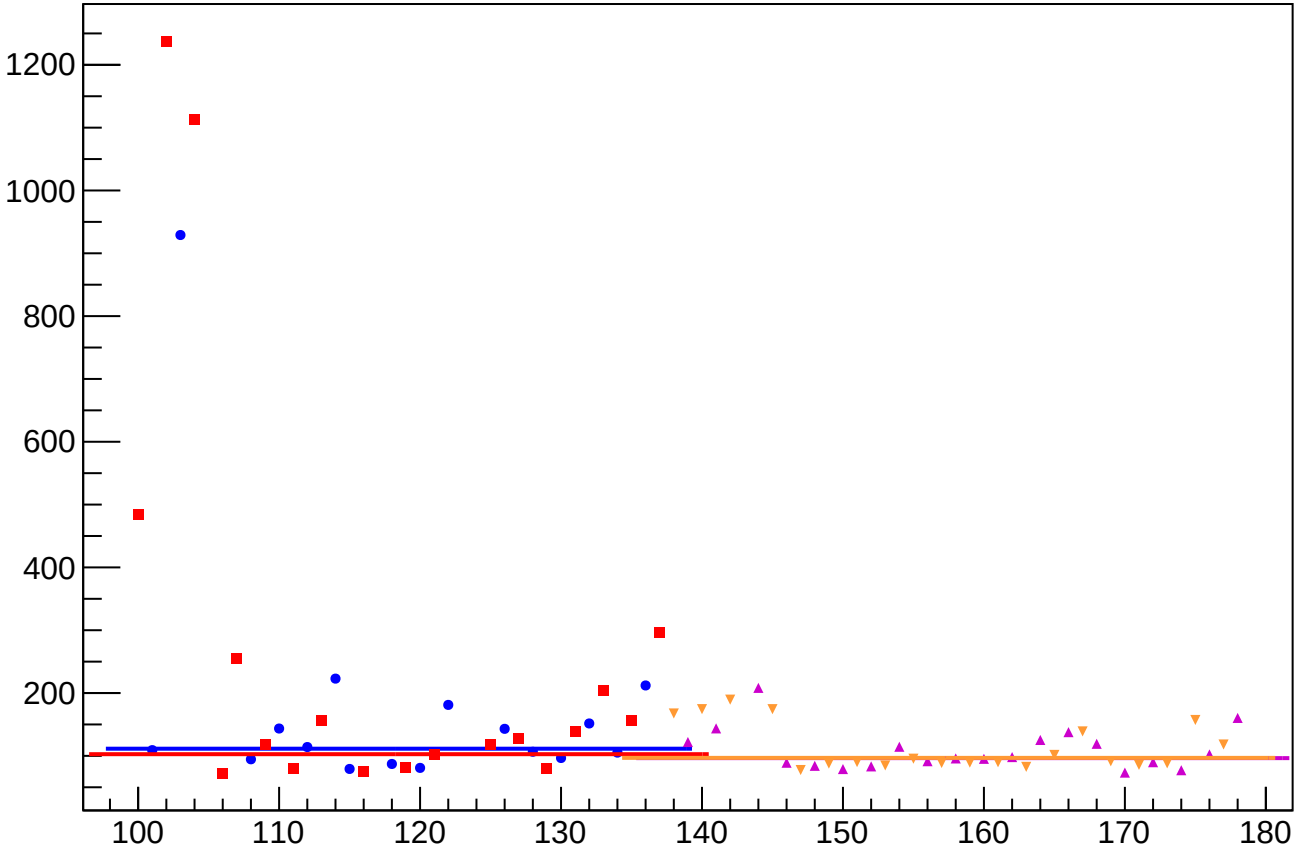
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.037+/-0.023 χ^2/NDF:44.6/35

Out: -0.022+/-0.023 χ^2/NDF:41.0/37

All: -0.029+/-0.016 χ^2/NDF: 85.8/73

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: 96.399+/-0.018 χ^2/NDF:1626720.1/19

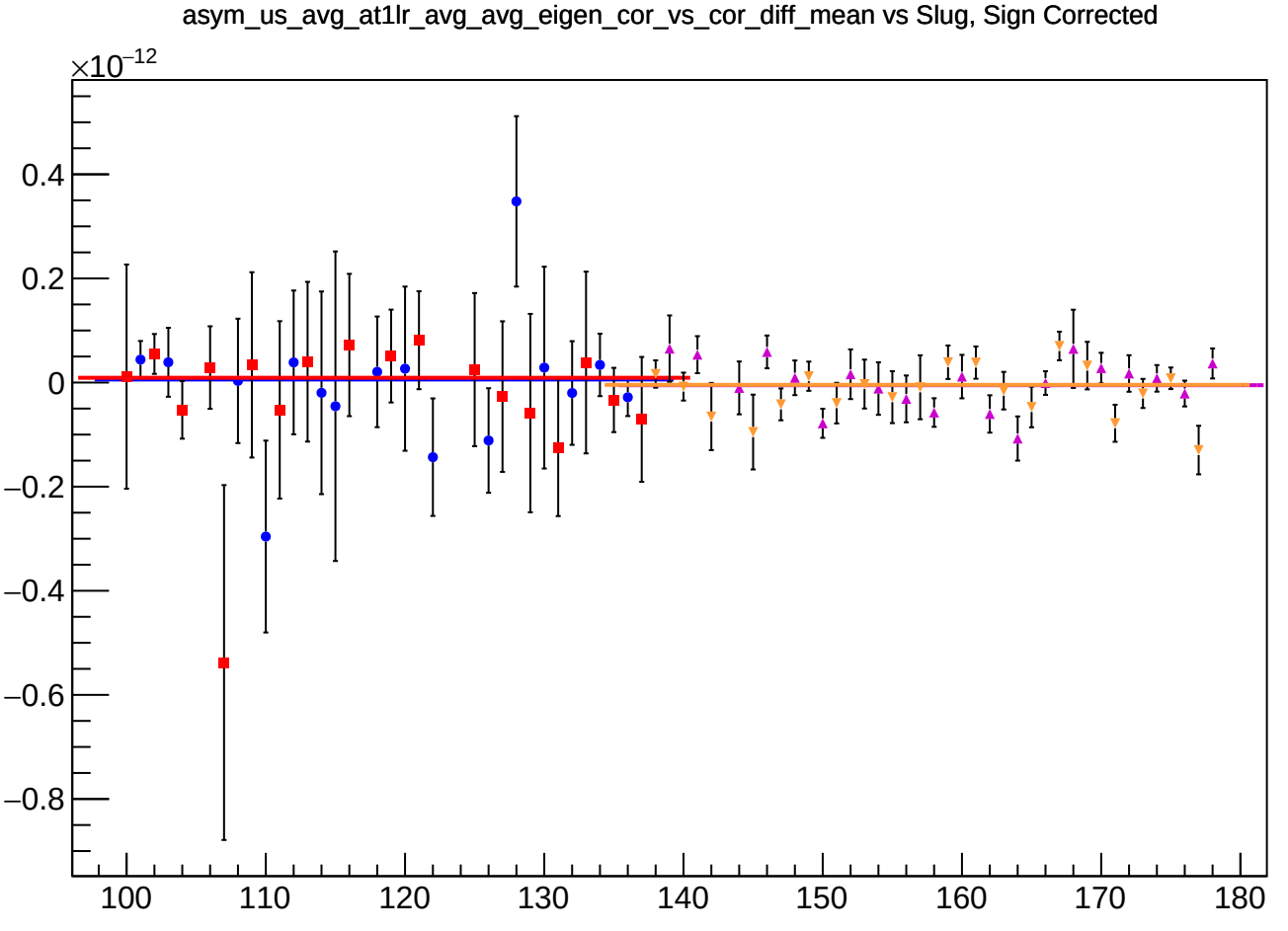
Left: 96.594+/-0.013 χ^2/NDF: 3338926.9/39

Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 99.822+/-0.016 χ^2/NDF:3619346.4/35

Out: 98.239+/-0.016 χ^2/NDF:4563007.0/37

All: 99.039+/-0.011 χ^2/NDF: 8187145.1/73



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:33.0/19

Left: -0.000+/-0.000 χ^2/NDF: 64.3/39

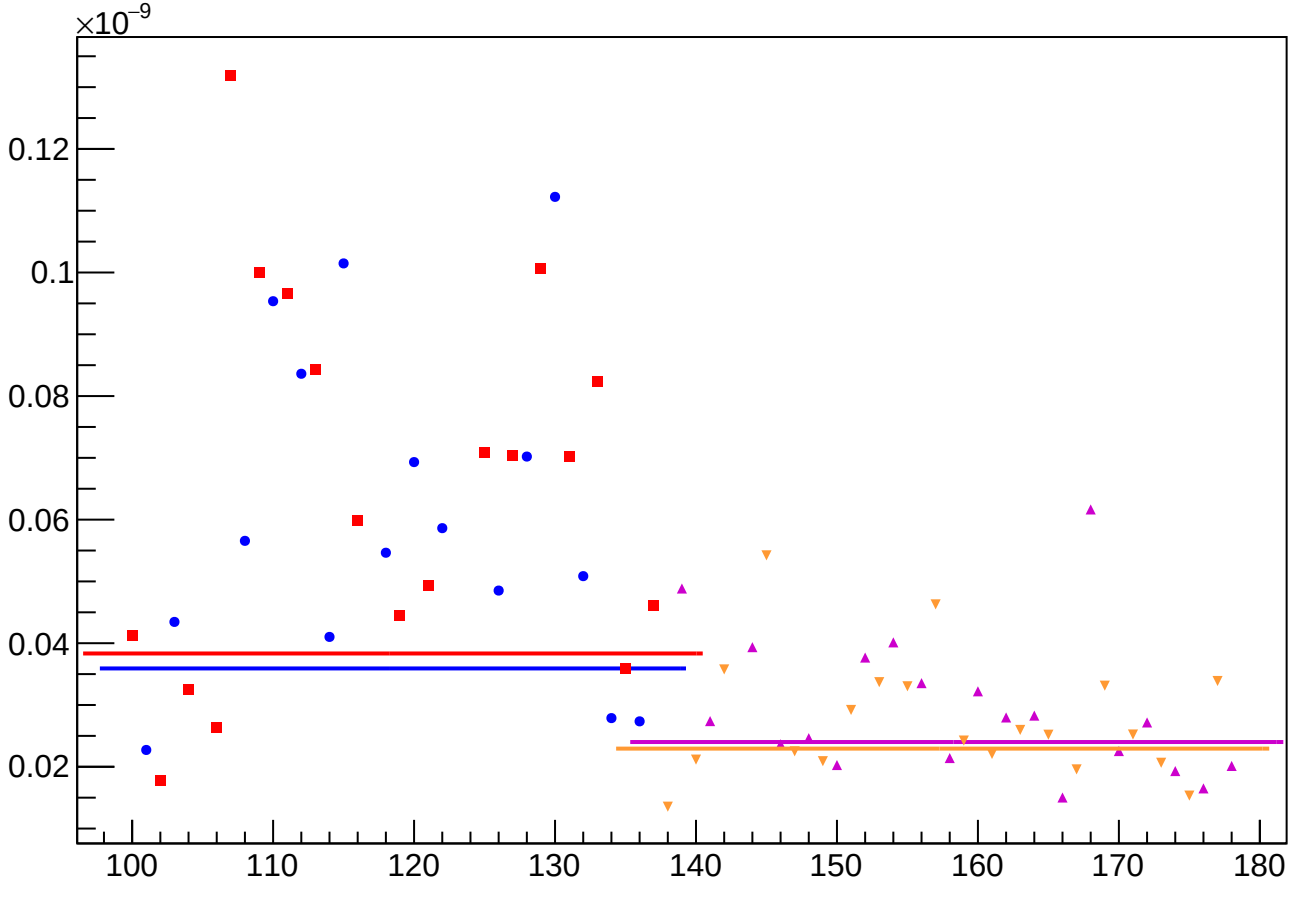
Right: 0.000+/-0.000 χ^2/NDF: 21.6/33

In: -0.000+/-0.000 χ^2/NDF:46.2/35

Out: -0.000+/-0.000 χ^2/NDF:40.3/37

All: -0.000+/-0.000 χ^2/NDF: 86.5/73

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1759038.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1816095.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2202319.8/17

Left In: 0.000+/-0.000 χ^2/NDF:2264383.9/19

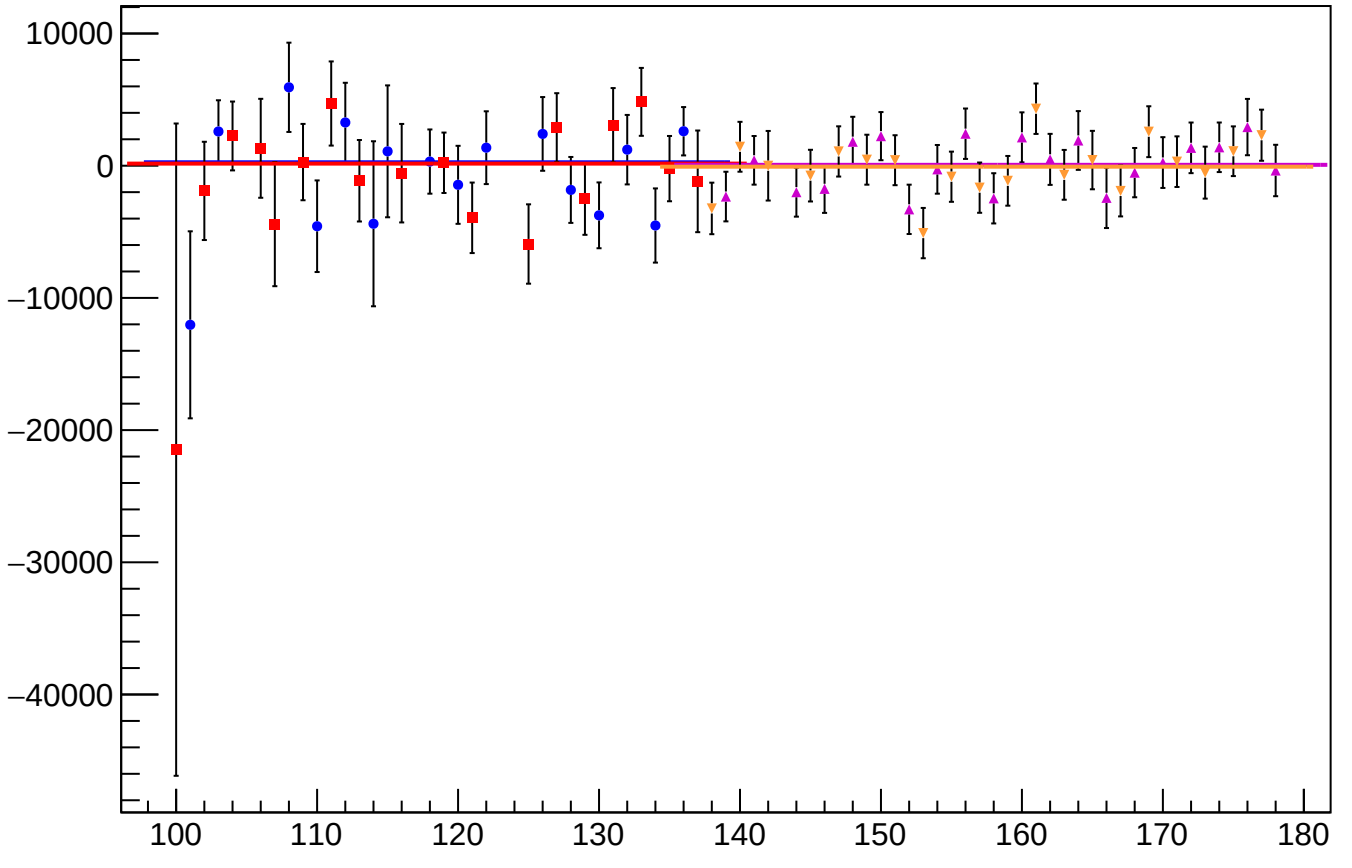
Left: 0.000+/-0.000 χ^2/NDF: 4100464.2/39

Right: 0.000+/-0.000 χ^2/NDF: 3975413.5/33

In: 0.000+/-0.000 χ^2/NDF:4691366.3/35

Out: 0.000+/-0.000 χ^2/NDF:4922916.1/37

All: 0.000+/-0.000 χ^2/NDF: 9633343.1/73



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: 66.817+/-429.037 χ^2/NDF:18.8/19

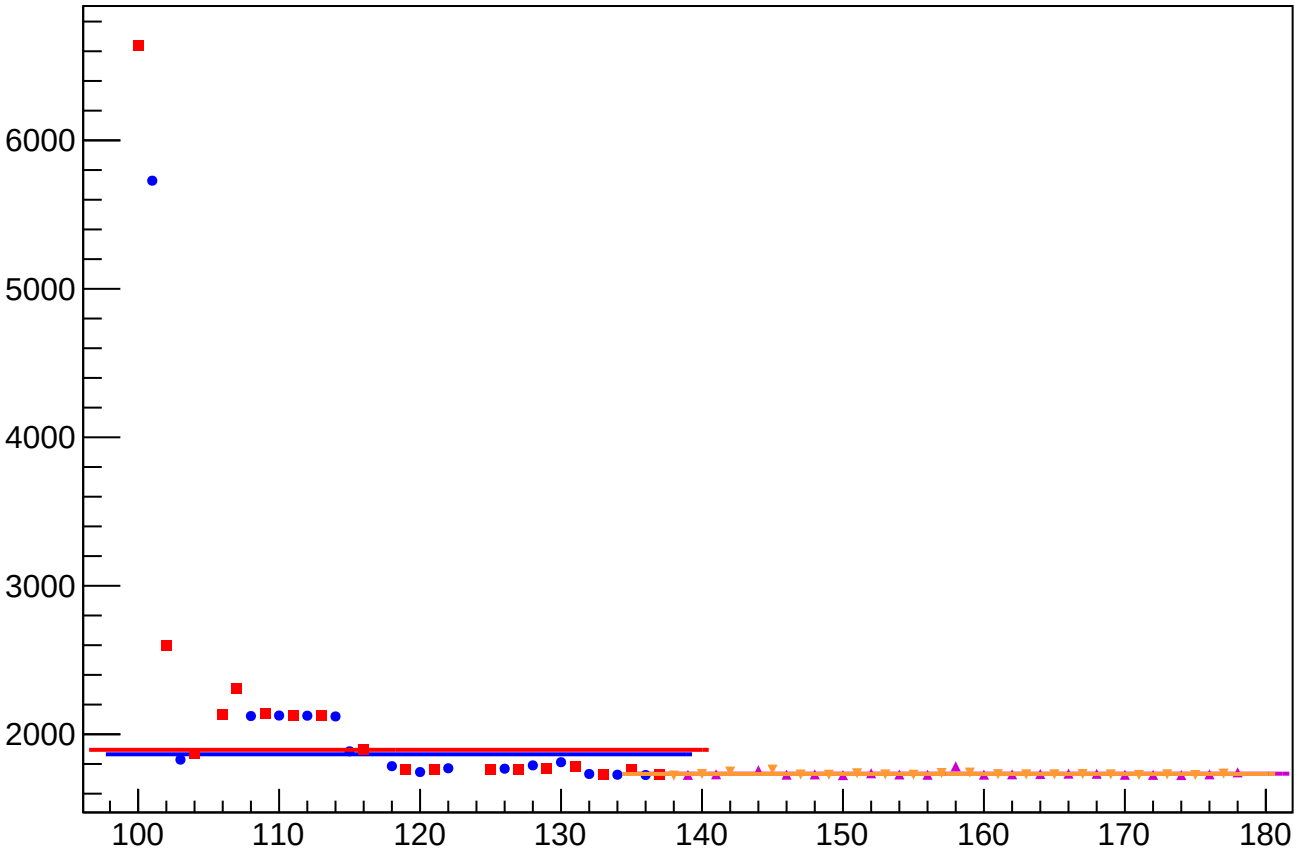
Left: -2.421+/-305.468 χ^2/NDF: 41.2/39

Right: 209.600+/-502.755 χ^2/NDF: 37.5/33

In: 118.388+/-367.160 χ^2/NDF:38.3/35

Out: -10.326+/-371.260 χ^2/NDF:40.5/37

All: 54.746+/-261.059 χ^2/NDF: 78.8/73



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: 1734.573+/-0.303 χ^2/NDF:2060.4/19

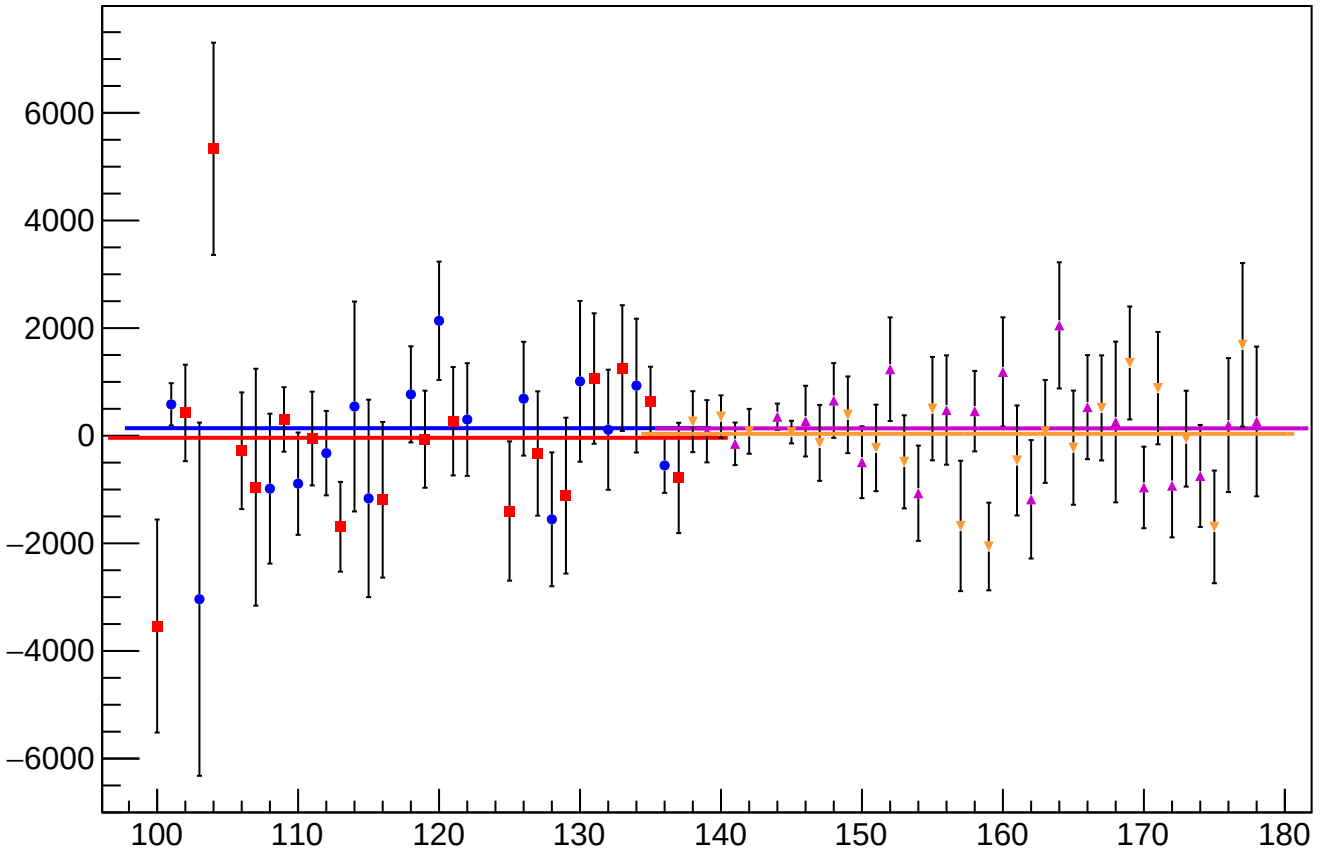
Left: 1733.701+/-0.216 χ^2/NDF: 2854.1/39

Right: 1880.155+/-0.356 χ^2/NDF: 925321.0/33

In: 1769.527+/-0.260 χ^2/NDF:724384.0/35

Out: 1776.933+/-0.263 χ^2/NDF:327343.7/37

All: 1773.189+/-0.185 χ^2/NDF: 1052130.1/73



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: 136.412+/-145.986 χ^2/NDF:15.8/19

Left: 81.285+/-98.332 χ^2/NDF: 33.2/39

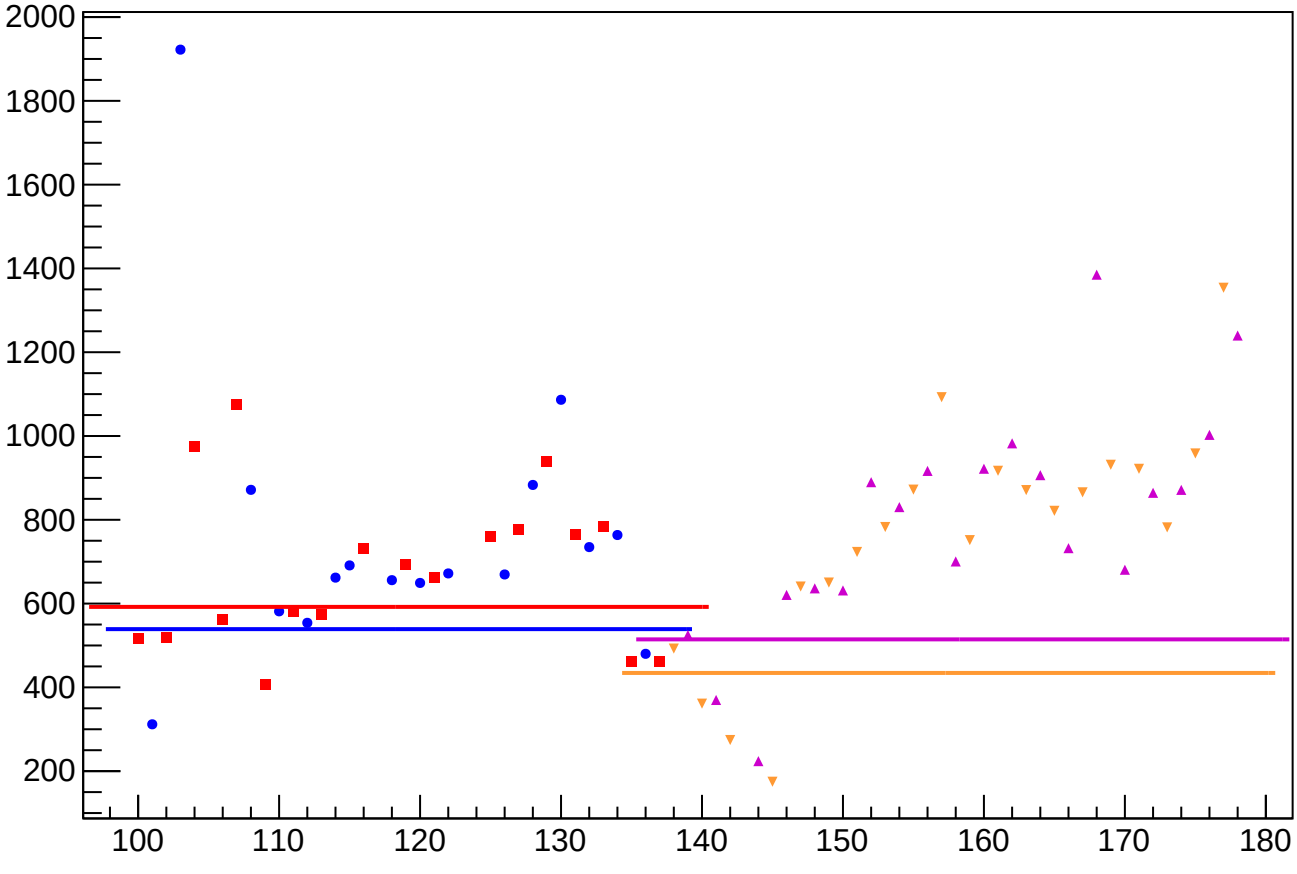
Right: 57.640+/-161.672 χ^2/NDF: 35.2/33

In: 137.447+/-121.658 χ^2/NDF:29.3/35

Out: 17.882+/-116.157 χ^2/NDF:38.6/37

All: 74.900+/-84.013 χ^2/NDF: 68.4/73

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: 514.558+/-0.103 χ^2/NDF:7435606.3/19

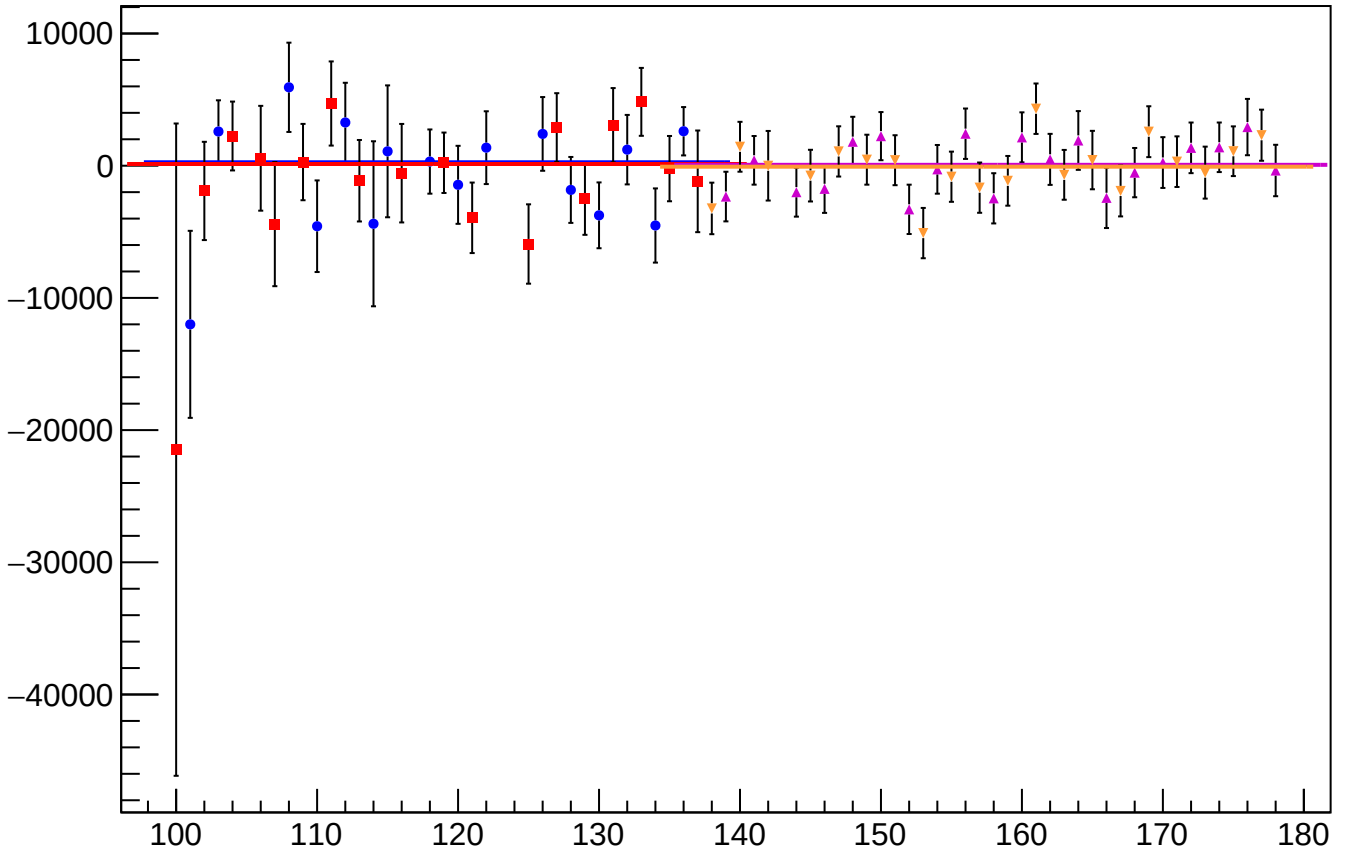
Left: 470.786+/-0.070 χ^2/NDF: 17394860.4/39

Right: 563.459+/-0.114 χ^2/NDF: 2751212.3/33

In: 522.030+/-0.086 χ^2/NDF:9307334.5/35

Out: 471.909+/-0.082 χ^2/NDF:11140870.5/37

All: 495.811+/-0.059 χ^2/NDF: 20625782.9/73



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: 66.755+/-429.037 χ^2/NDF:18.8/19

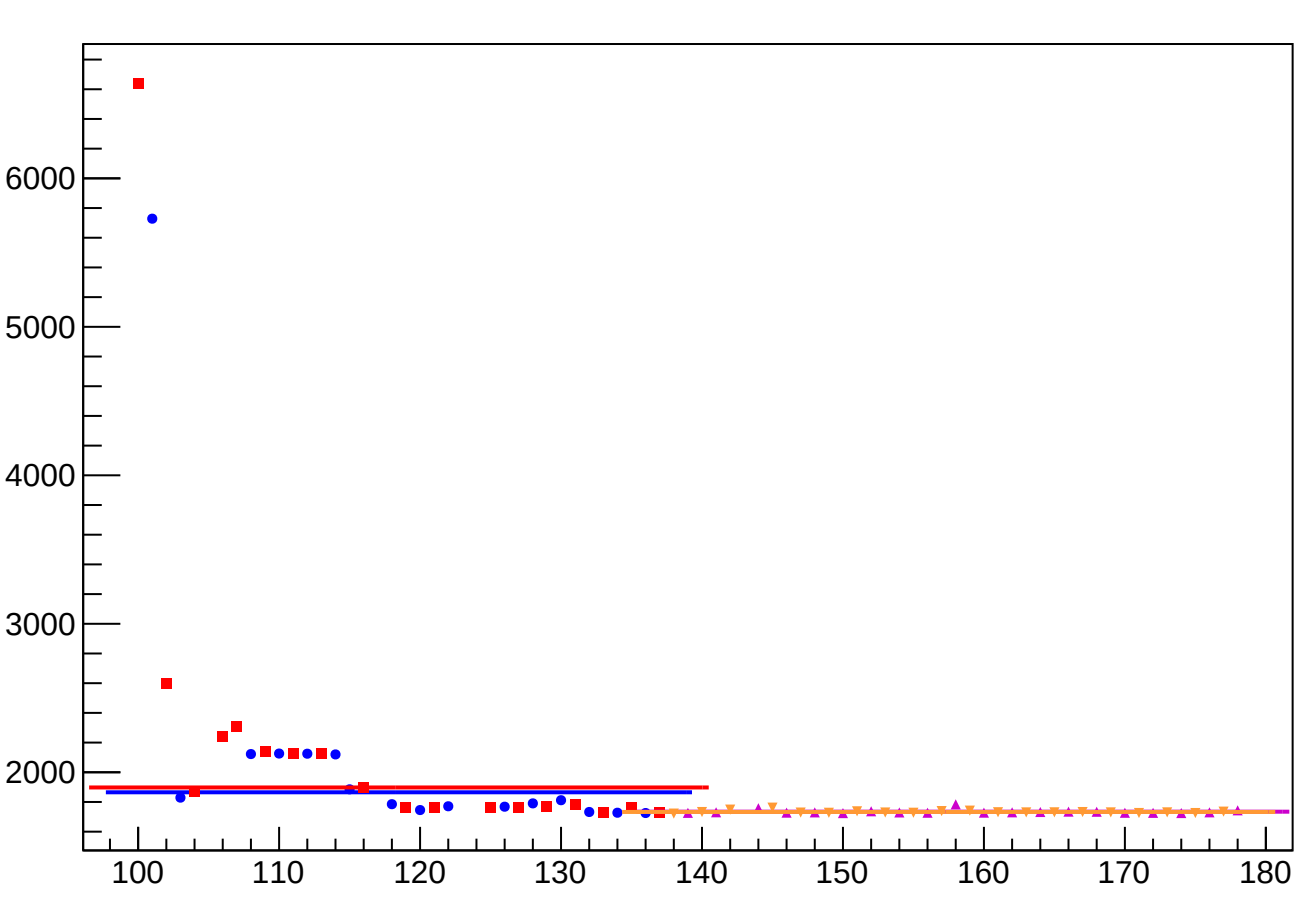
Left: -2.432+/-305.468 χ^2/NDF: 41.2/39

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: 118.393+/-367.160 χ^2/NDF:38.3/35

Out: -18.410+/-371.460 χ^2/NDF:40.3/37

All: 50.788+/-261.128 χ^2/NDF: 78.7/73



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: 1734.573+/-0.303 χ^2/NDF:2060.4/19

Left: 1733.701+/-0.216 χ^2/NDF: 2854.1/39

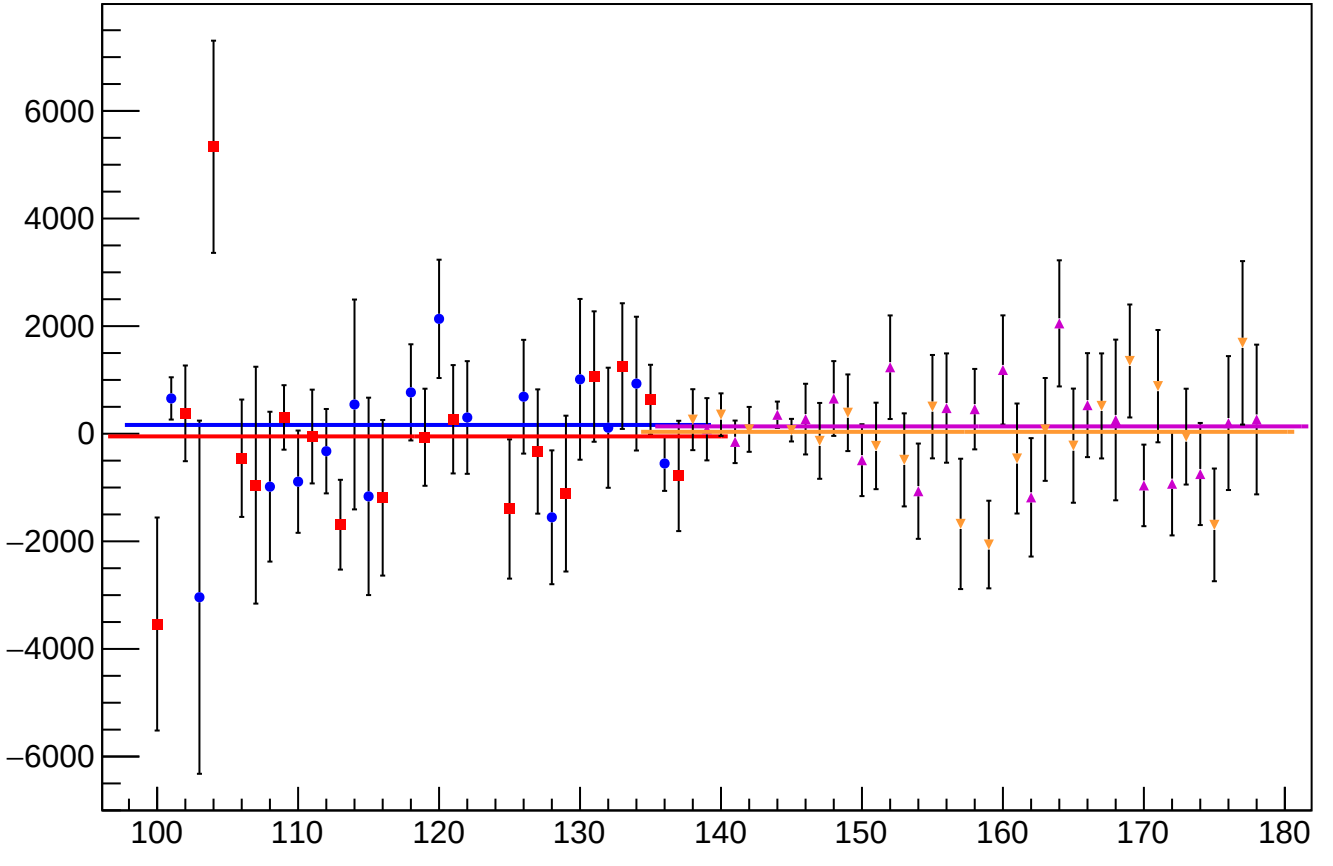
Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1769.527+/-0.260 χ^2/NDF:724383.8/35

Out: 1777.470+/-0.263 χ^2/NDF:336350.5/37

All: 1773.452+/-0.185 χ^2/NDF: 1061196.9/73

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 35.384+/-133.041 χ^2/NDF:17.2/19

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 136.388+/-145.987 χ^2/NDF:15.8/19

Left: 81.209+/-98.333 χ^2/NDF: 33.2/39

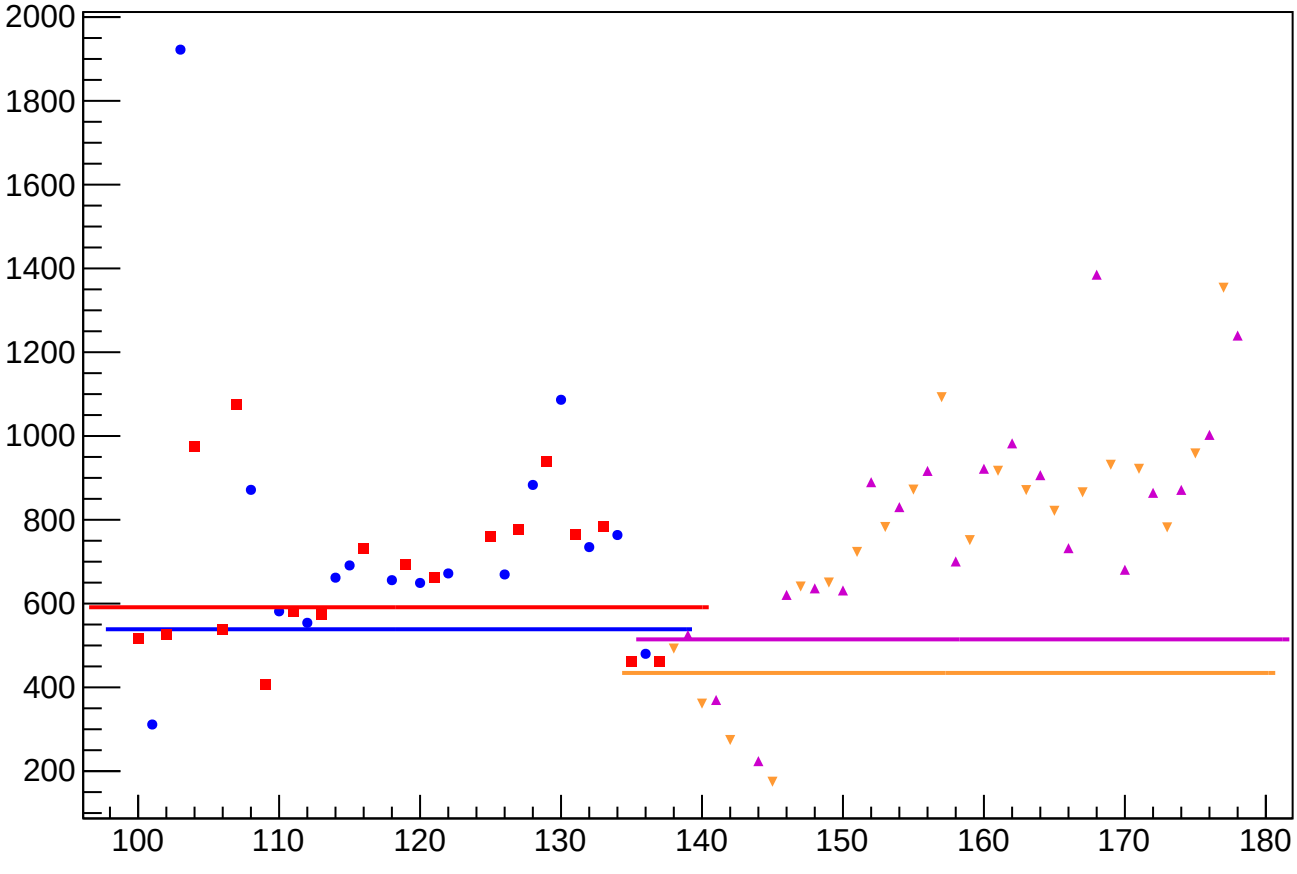
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 144.568+/-121.646 χ^2/NDF:29.7/35

Out: 15.172+/-116.151 χ^2/NDF:38.7/37

All: 76.882+/-84.007 χ^2/NDF: 69.0/73

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: 514.565+/-0.103 χ^2/NDF:7435114.8/19

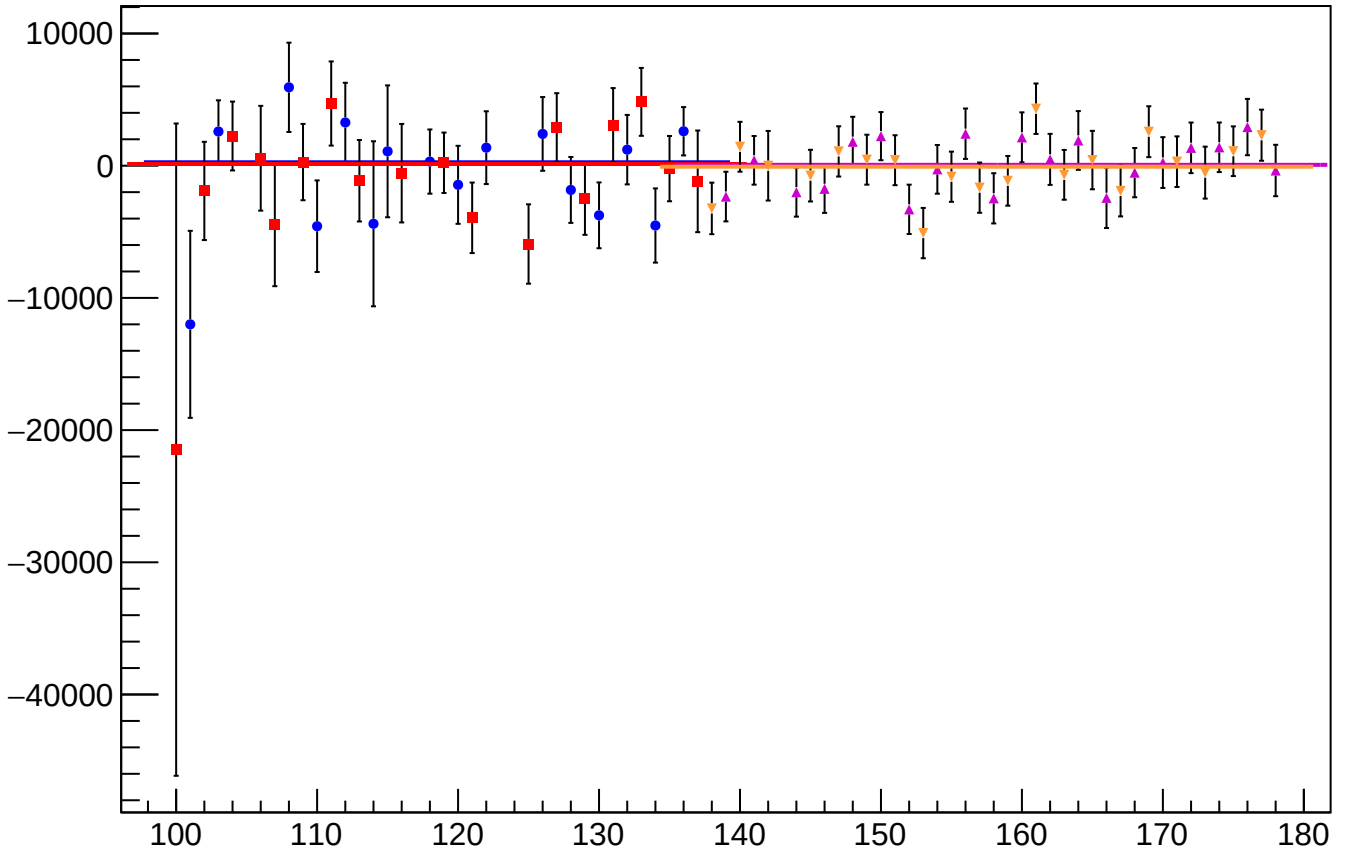
Left: 470.795+/-0.070 χ^2/NDF: 17393989.4/39

Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 521.944+/-0.086 χ^2/NDF:9310720.6/35

Out: 471.727+/-0.082 χ^2/NDF:11134871.4/37

All: 495.676+/-0.059 χ^2/NDF: 20623878.0/73



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: 66.755+/-429.037 χ^2/NDF:18.8/19

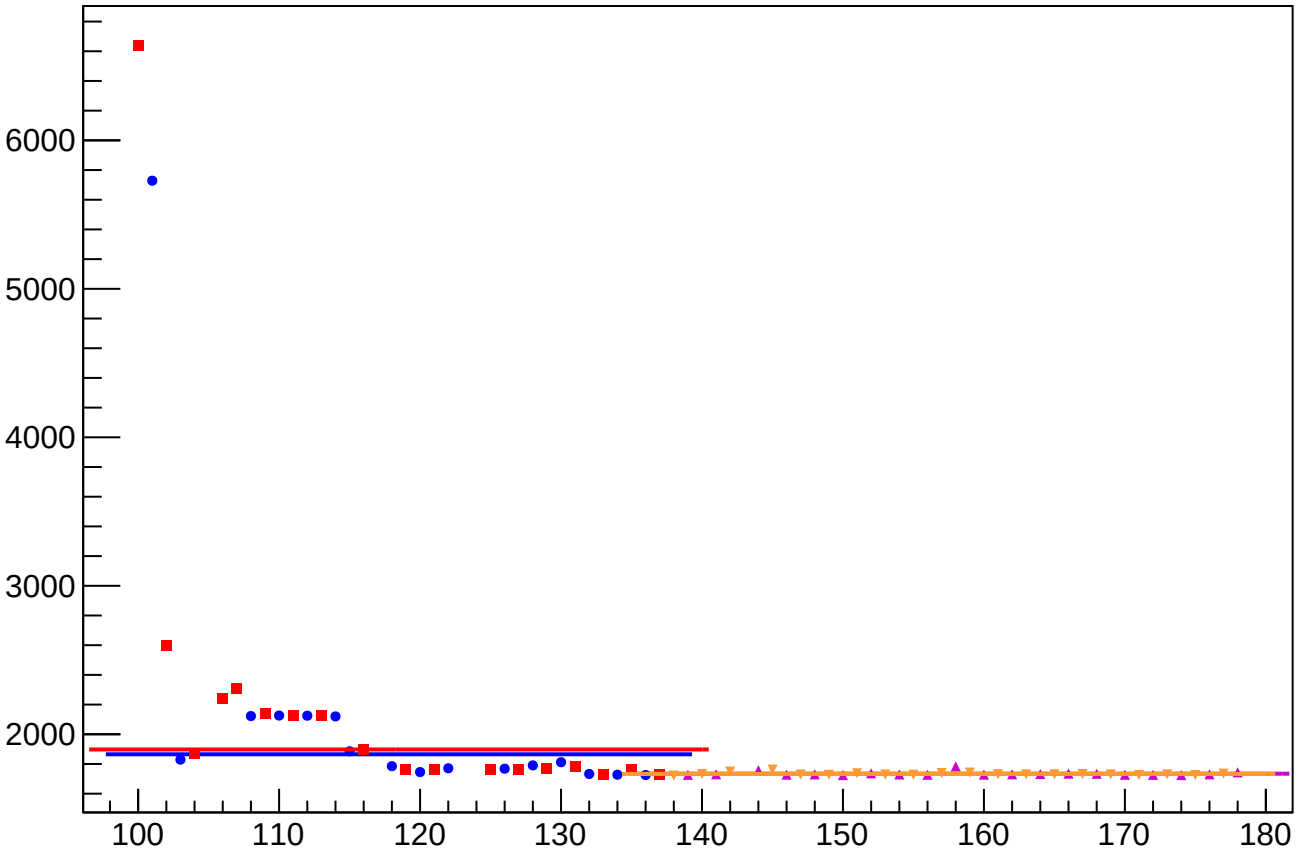
Left: -2.432+/-305.468 χ^2/NDF: 41.2/39

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: 118.393+/-367.160 χ^2/NDF:38.3/35

Out: -18.410+/-371.460 χ^2/NDF:40.3/37

All: 50.788+/-261.128 χ^2/NDF: 78.7/73



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: 1734.573+/-0.303 χ^2/NDF:2060.4/19

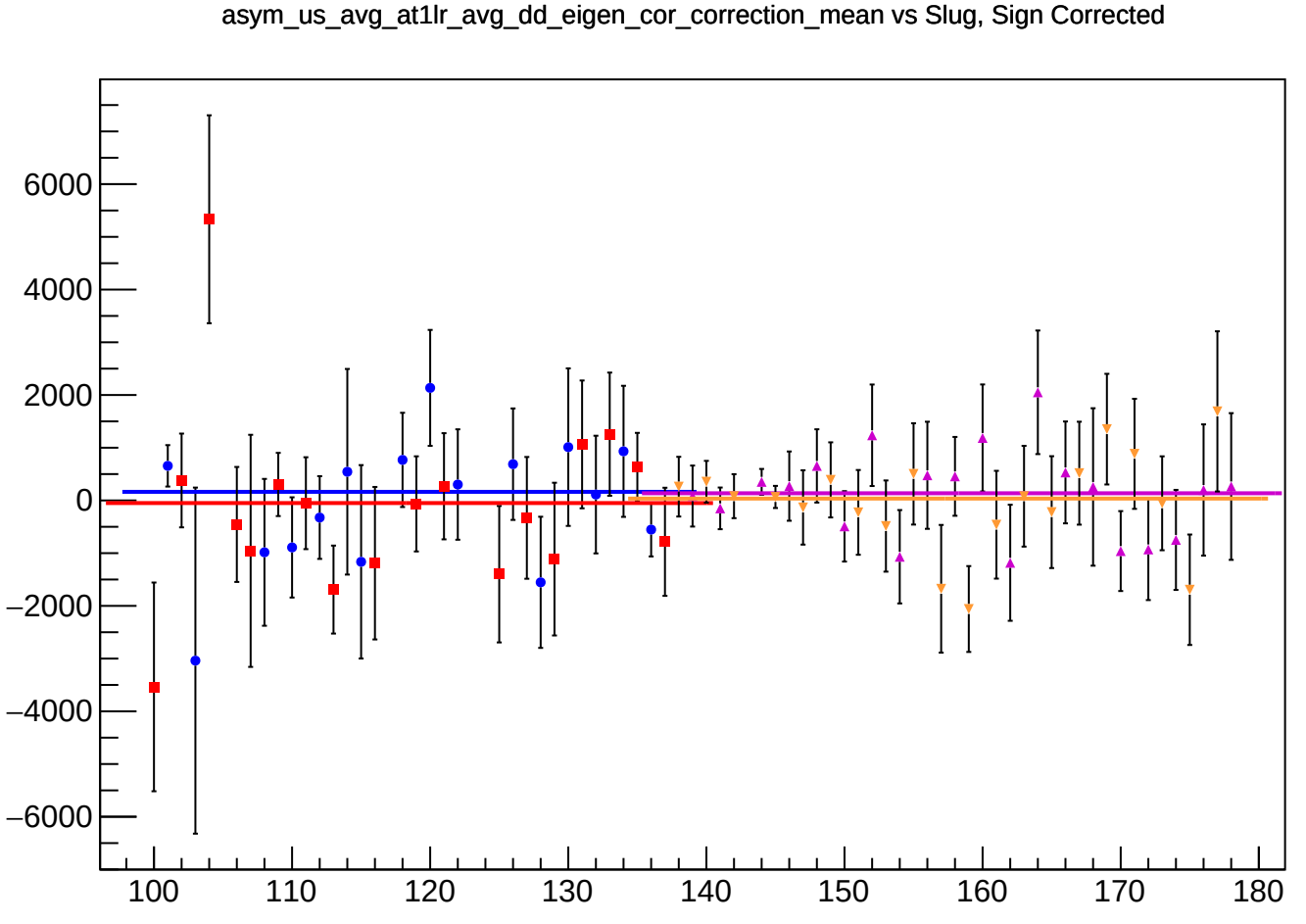
Left: 1733.701+/-0.216 χ^2/NDF: 2854.1/39

Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1769.527+/-0.260 χ^2/NDF:724383.8/35

Out: 1777.470+/-0.263 χ^2/NDF:336350.5/37

All: 1773.452+/-0.185 χ^2/NDF: 1061196.9/73



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: 136.388+/-145.987 χ^2/NDF:15.8/19

Left: 81.209+/-98.333 χ^2/NDF: 33.2/39

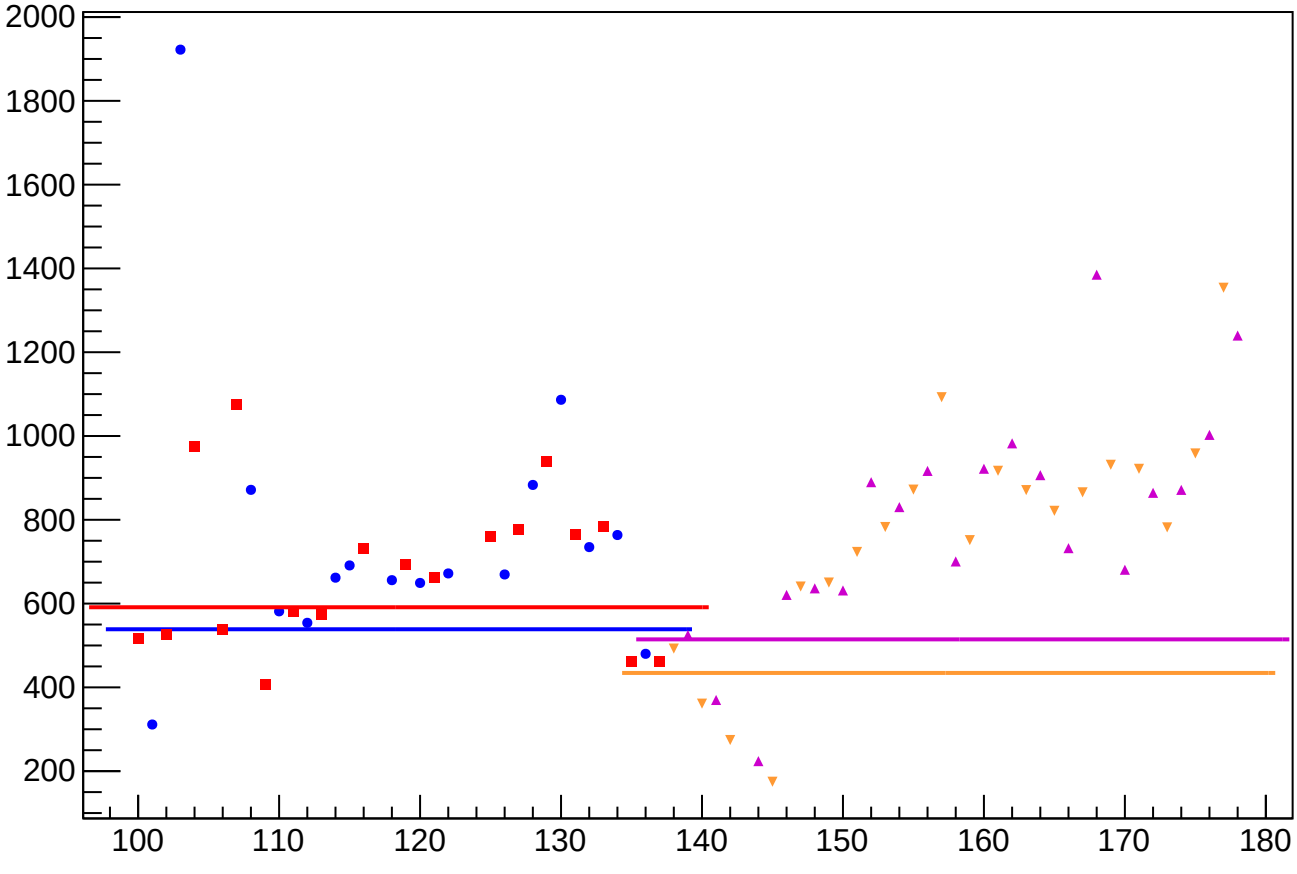
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 144.568+/-121.646 χ^2/NDF:29.7/35

Out: 15.172+/-116.151 χ^2/NDF:38.7/37

All: 76.882+/-84.007 χ^2/NDF: 69.0/73

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: 514.565+/-0.103 χ^2/NDF:7435114.8/19

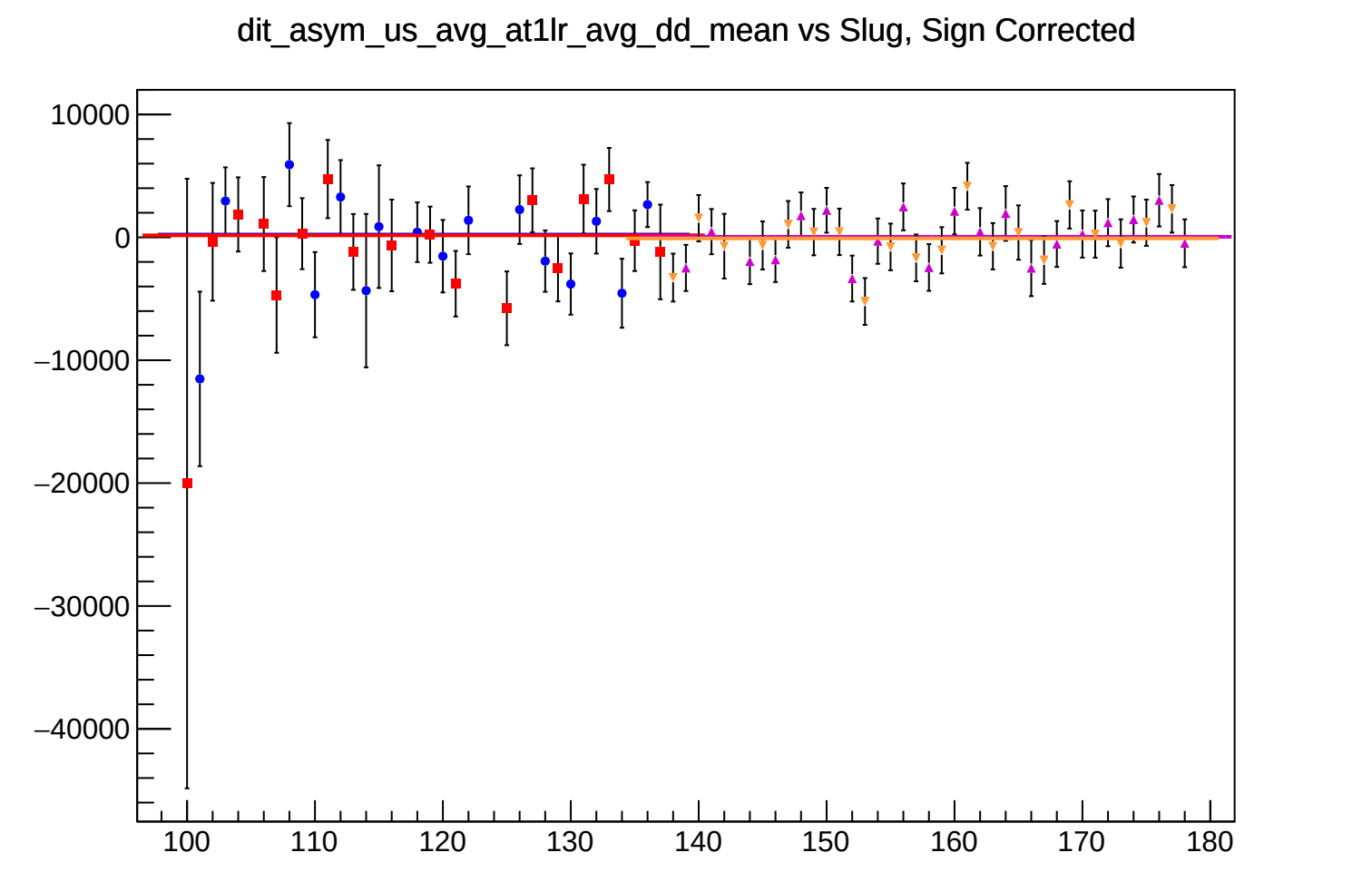
Left: 470.795+/-0.070 χ^2/NDF: 17393989.4/39

Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 521.944+/-0.086 χ^2/NDF:9310720.6/35

Out: 471.727+/-0.082 χ^2/NDF:11134871.4/37

All: 495.676+/-0.059 χ^2/NDF: 20623878.0/73



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: 46.251+/-429.344 χ^2/NDF:19.3/19

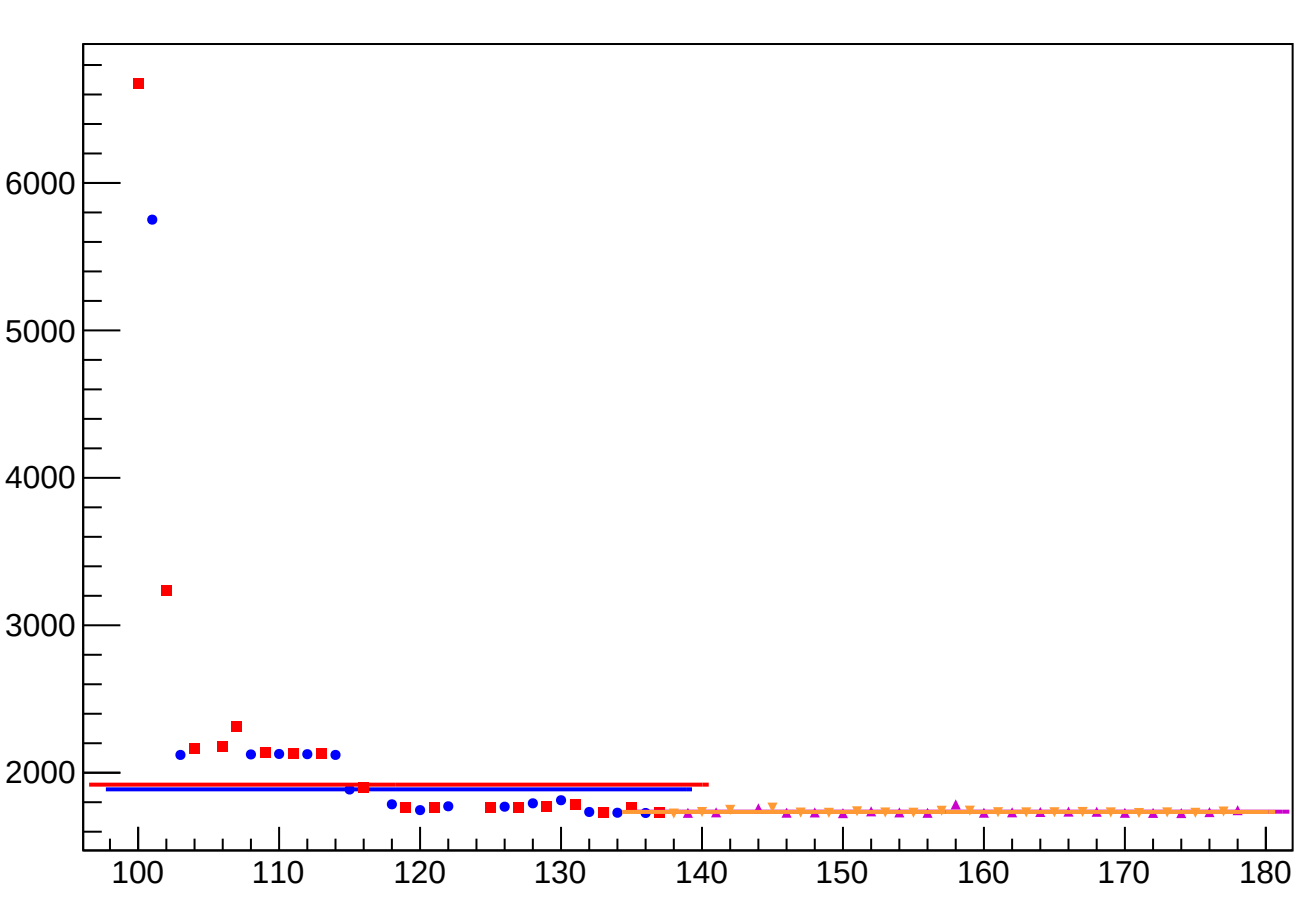
Left: -18.410+/-305.688 χ^2/NDF: 41.8/39

Right: 195.282+/-510.637 χ^2/NDF: 36.4/33

In: 93.601+/-368.564 χ^2/NDF:38.8/35

Out: -19.114+/-373.328 χ^2/NDF:39.6/37

All: 37.967+/-262.282 χ^2/NDF: 78.4/73



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: 1735.812+/-0.304 χ^2/NDF:2070.1/19

Left: 1734.942+/-0.216 χ^2/NDF: 2864.7/39

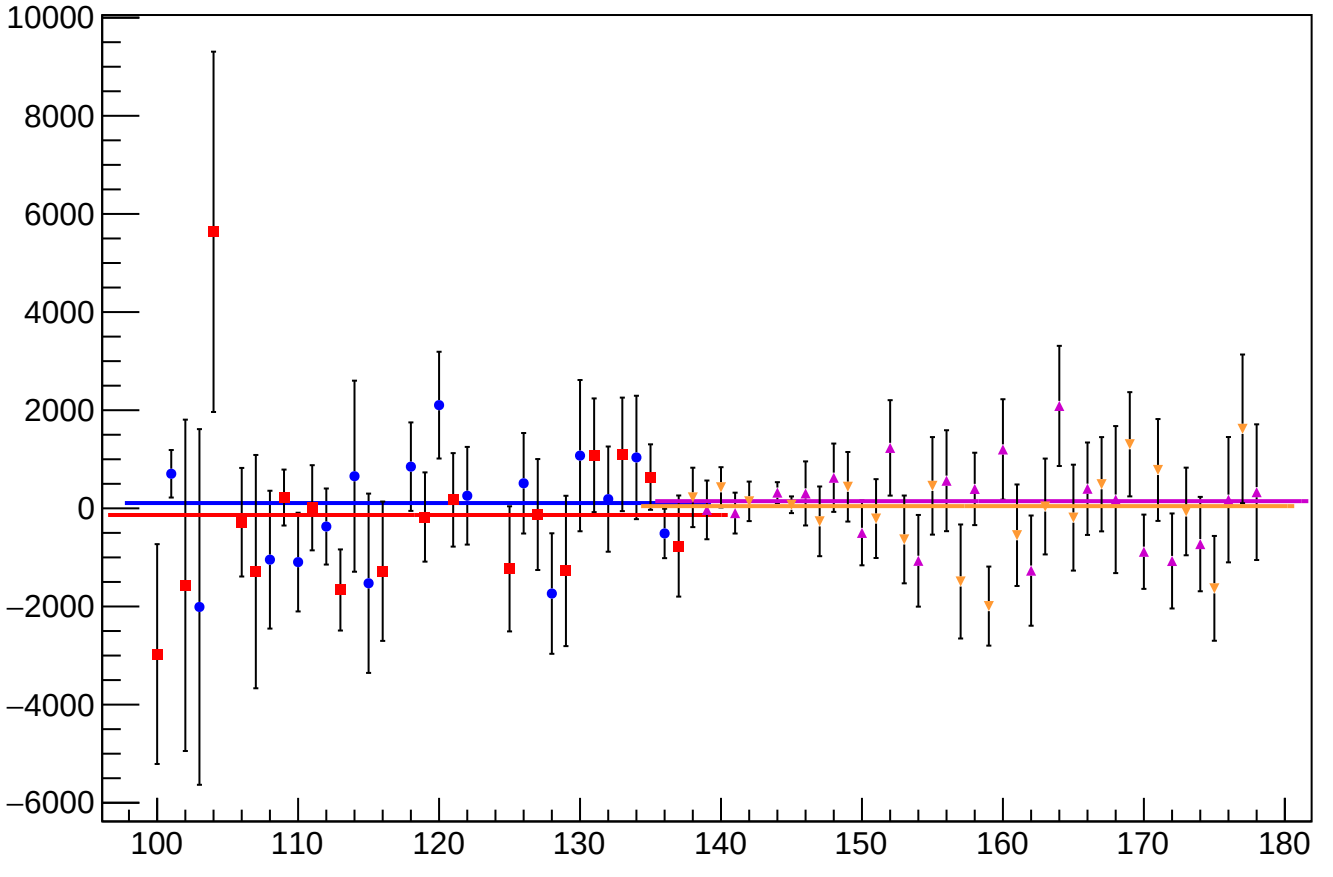
Right: 1903.077+/-0.361 χ^2/NDF: 1043955.3/33

In: 1775.670+/-0.261 χ^2/NDF:757027.1/35

Out: 1783.026+/-0.264 χ^2/NDF:449025.7/37

All: 1779.300+/-0.185 χ^2/NDF: 1206446.0/73

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: 146.629+/-139.412 χ^2/NDF:15.3/19

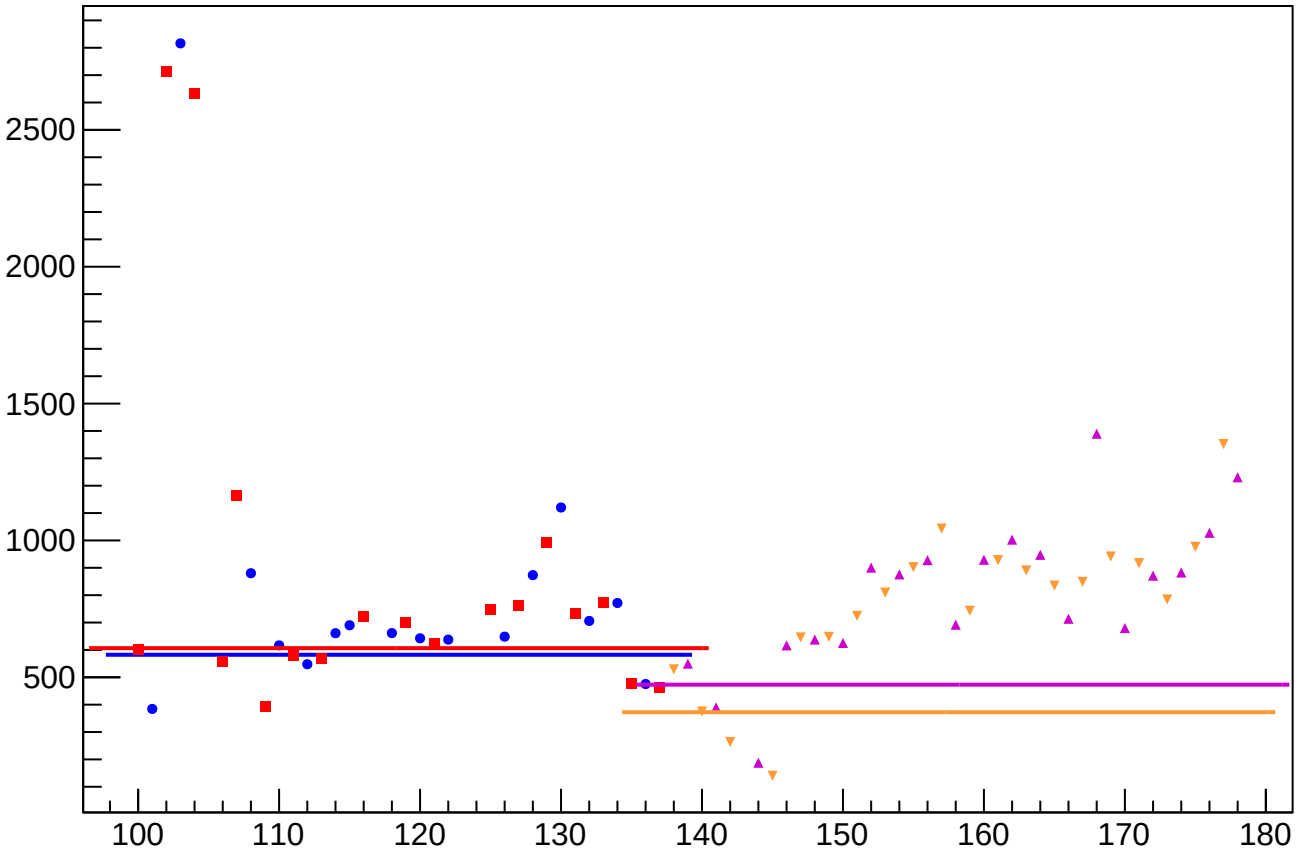
Left: 89.039+/-91.619 χ^2/NDF: 32.2/39

Right: -6.369+/-168.648 χ^2/NDF: 29.0/33

In: 136.397+/-119.457 χ^2/NDF:29.5/35

Out: 9.798+/-108.971 χ^2/NDF:31.4/37

All: 67.298+/-80.507 χ^2/NDF: 61.5/73



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: 472.991+/-0.099 χ^2/NDF:9217350.8/19

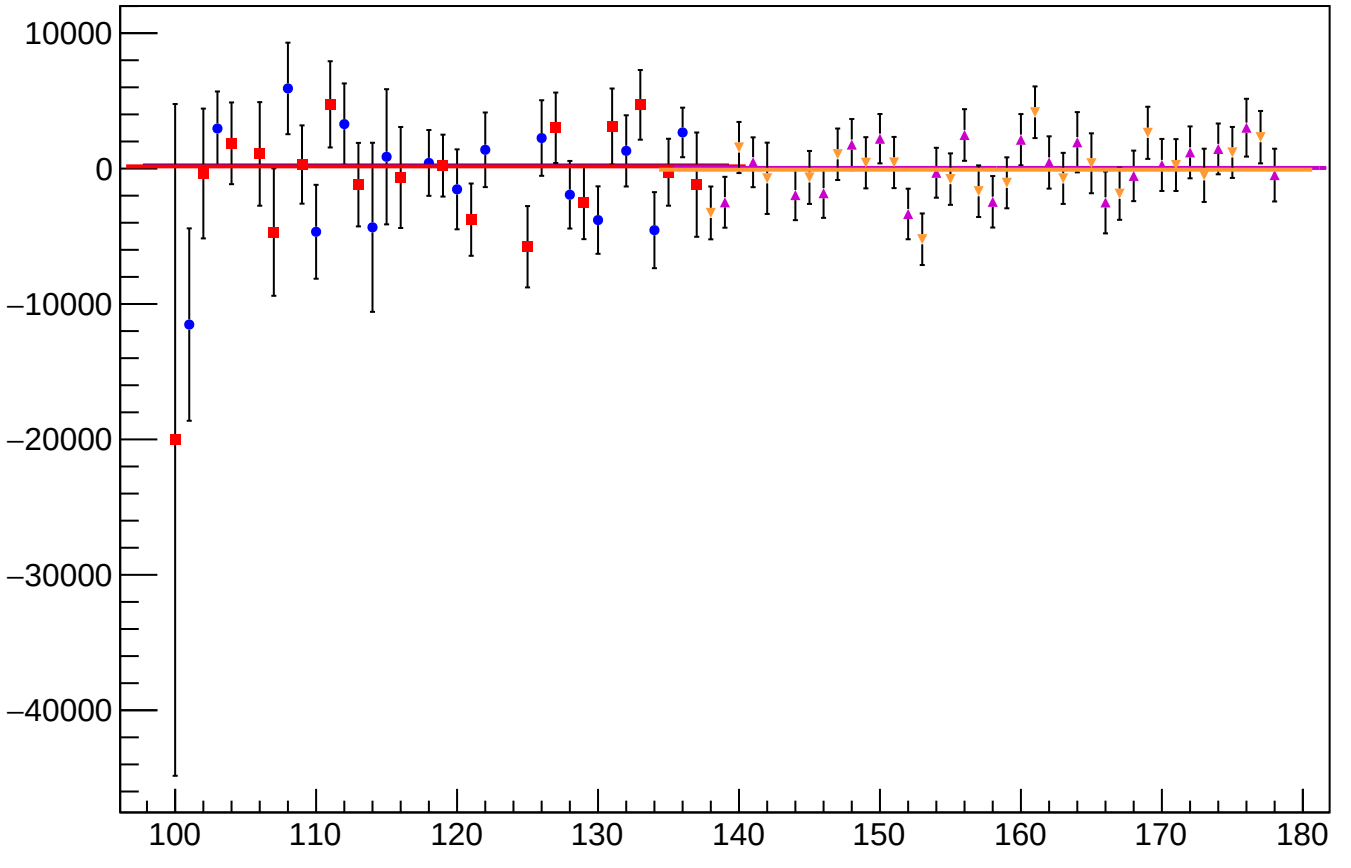
Left: 415.938+/-0.065 χ^2/NDF: 21946350.4/39

Right: 593.641+/-0.119 χ^2/NDF: 3962943.2/33

In: 502.036+/-0.084 χ^2/NDF:11298268.4/35

Out: 418.484+/-0.077 χ^2/NDF:15791530.8/37

All: 456.432+/-0.057 χ^2/NDF: 27623822.7/73



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -84.890+/-435.333 χ^2/NDF:22.5/19

Right Out: 163.711+/-725.798 χ^2/NDF: 17.0/17

Left In: 46.251+/-429.344 χ^2/NDF:19.3/19

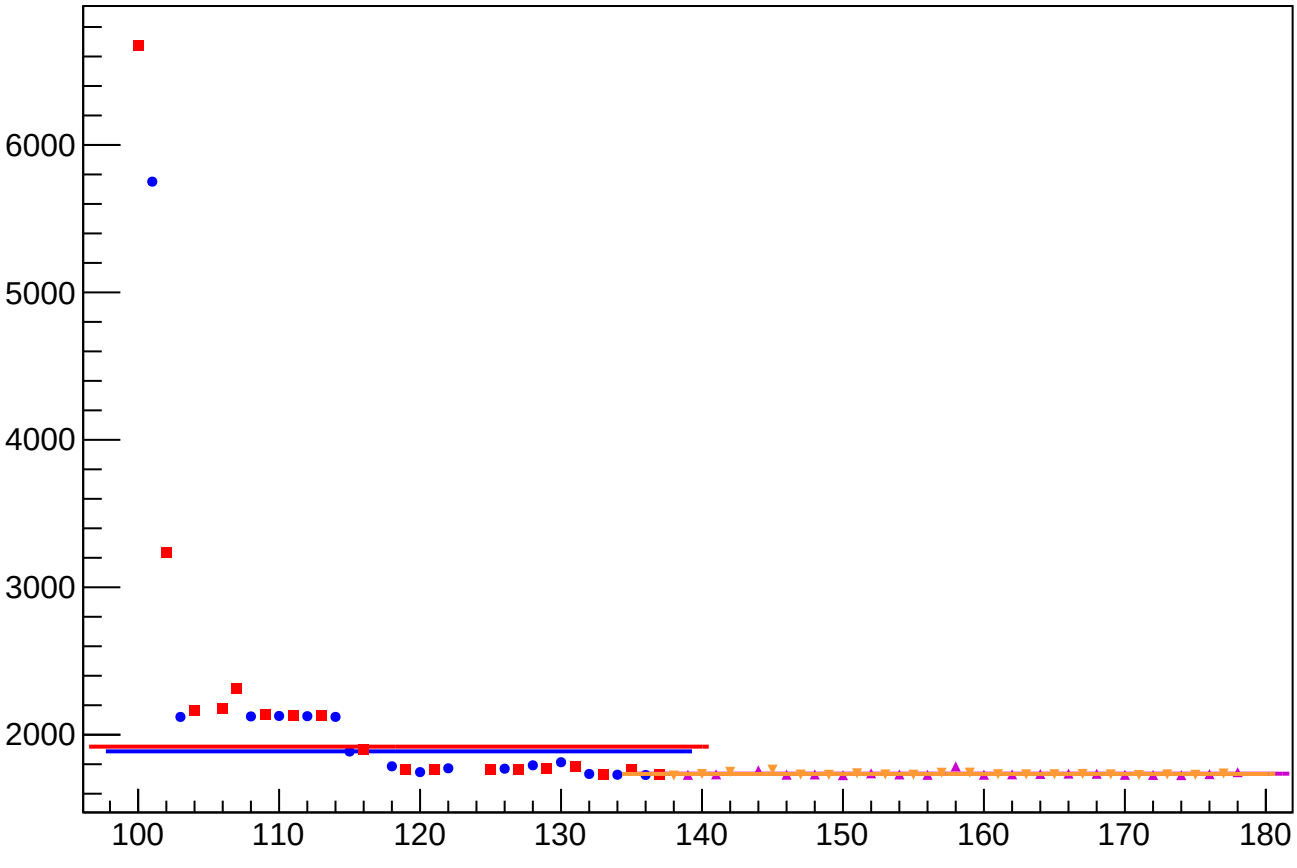
Left: -18.411+/-305.688 χ^2/NDF: 41.8/39

Right: 195.283+/-510.637 χ^2/NDF: 36.4/33

In: 93.601+/-368.564 χ^2/NDF:38.8/35

Out: -19.116+/-373.328 χ^2/NDF:39.6/37

All: 37.966+/-262.282 χ^2/NDF: 78.4/73



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: 1735.812+/-0.304 χ^2/NDF:2070.1/19

Left: 1734.942+/-0.216 χ^2/NDF: 2864.7/39

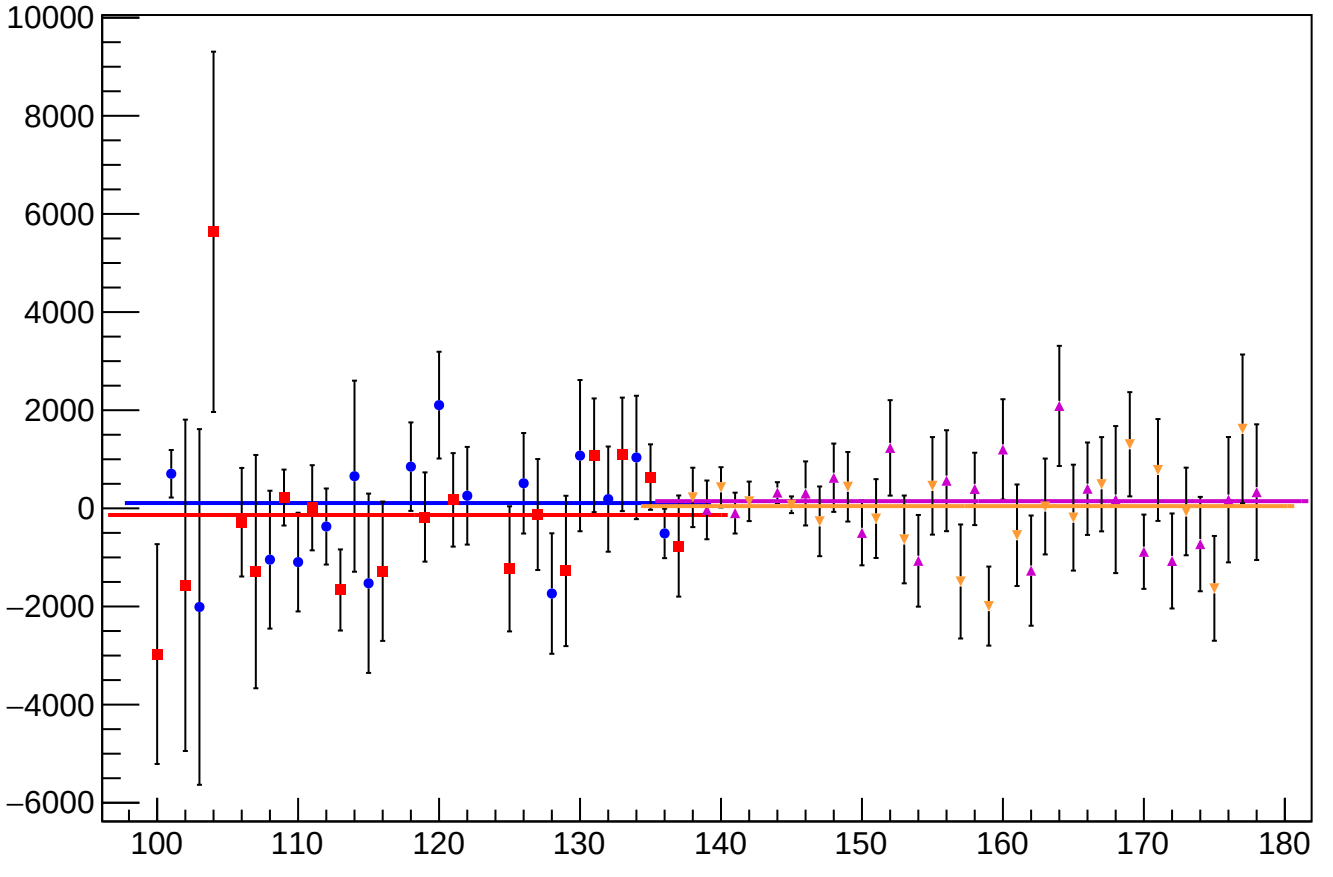
Right: 1903.077+/-0.361 χ^2/NDF: 1043954.3/33

In: 1775.670+/-0.261 χ^2/NDF:757026.7/35

Out: 1783.026+/-0.264 χ^2/NDF:449024.8/37

All: 1779.300+/-0.185 χ^2/NDF: 1206444.8/73

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: 146.629+/-139.413 χ^2/NDF:15.3/19

Left: 89.038+/-91.620 χ^2/NDF: 32.2/39

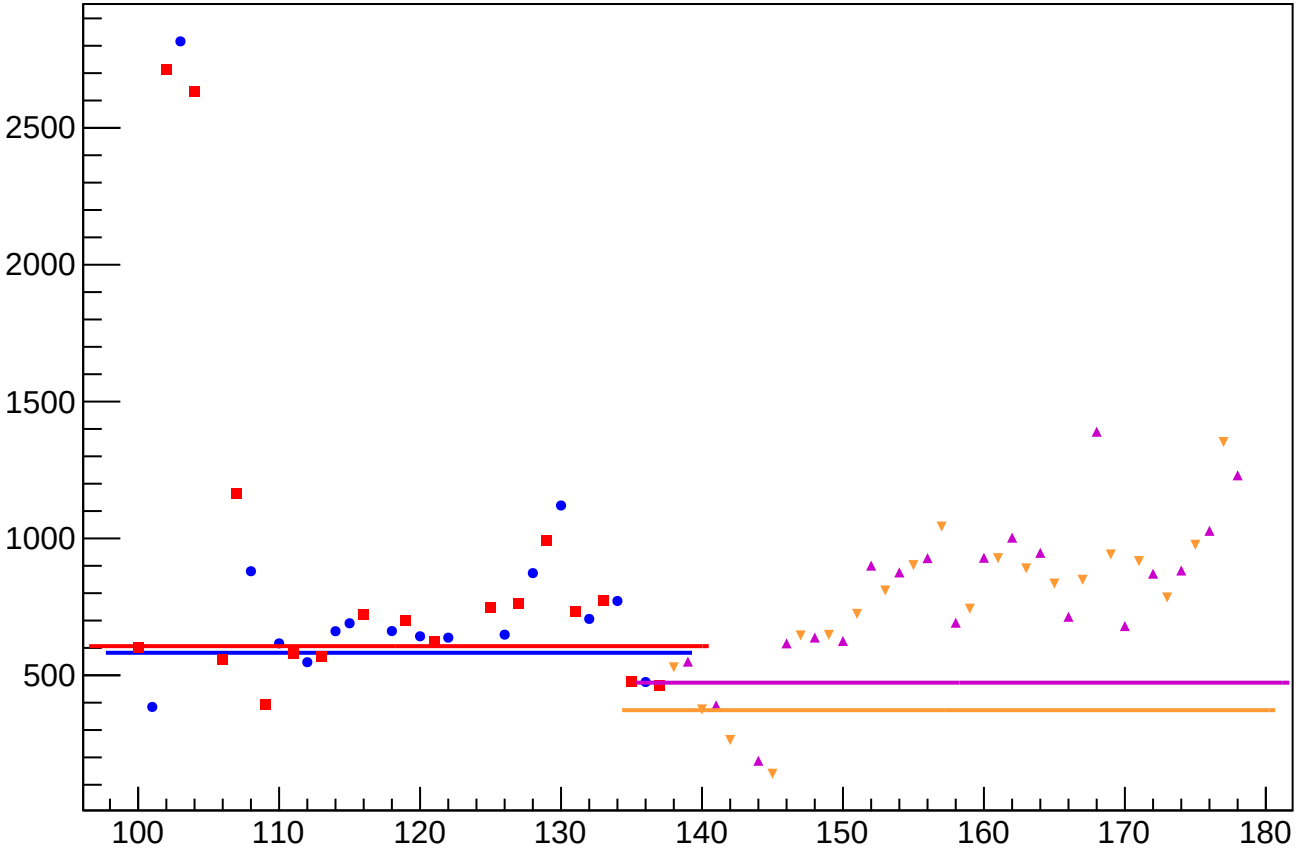
Right: -6.371+/-168.647 χ^2/NDF: 29.0/33

In: 136.396+/-119.457 χ^2/NDF:29.5/35

Out: 9.797+/-108.971 χ^2/NDF:31.4/37

All: 67.297+/-80.507 χ^2/NDF: 61.5/73

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 582.268+/-0.164 χ^2/NDF: 1754289.3/15

Left Out: 372.565+/-0.086 χ^2/NDF:12139448.1/19

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

Left In: 472.991+/-0.099 χ^2/NDF:9217373.7/19

Left: 415.938+/-0.065 χ^2/NDF: 21946418.3/39

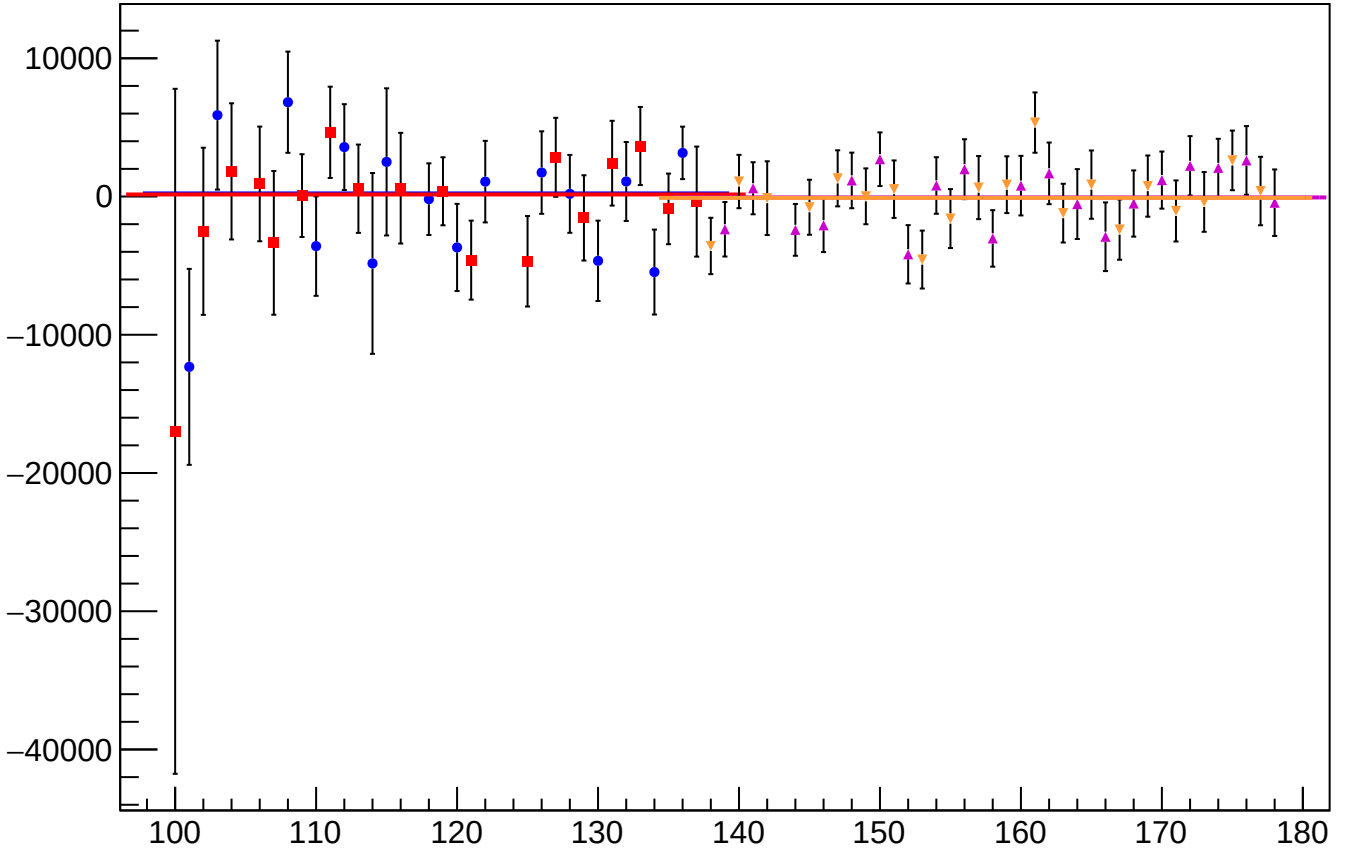
Right: 593.638+/-0.119 χ^2/NDF: 3962944.4/33

In: 502.036+/-0.084 χ^2/NDF:11298266.2/35

Out: 418.483+/-0.077 χ^2/NDF:15791551.0/37

All: 456.432+/-0.057 χ^2/NDF: 27623846.7/73

asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -97.031+/-481.946 χ^2/NDF:19.1/19

Right Out: 147.974+/-794.180 χ^2/NDF: 11.6/17

Left In: -66.018+/-474.546 χ^2/NDF:19.4/19

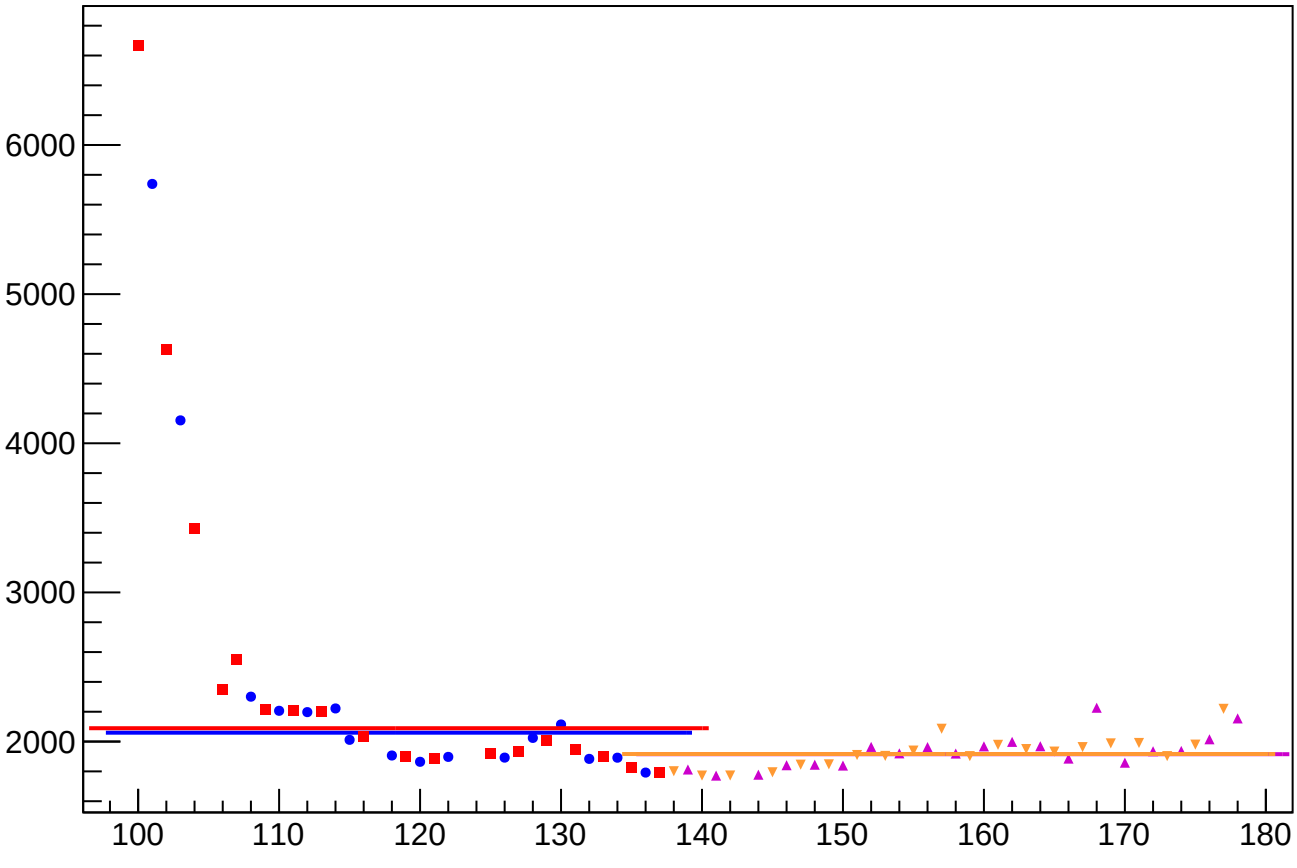
Left: -81.285+/-338.141 χ^2/NDF: 38.5/39

Right: 186.369+/-560.683 χ^2/NDF: 32.7/33

In: 10.780+/-407.025 χ^2/NDF:40.7/35

Out: -31.089+/-412.015 χ^2/NDF:30.7/37

All: -9.899+/-289.558 χ^2/NDF: 71.4/73



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: 1915.256+/-0.336 χ^2/NDF:102329.3/19

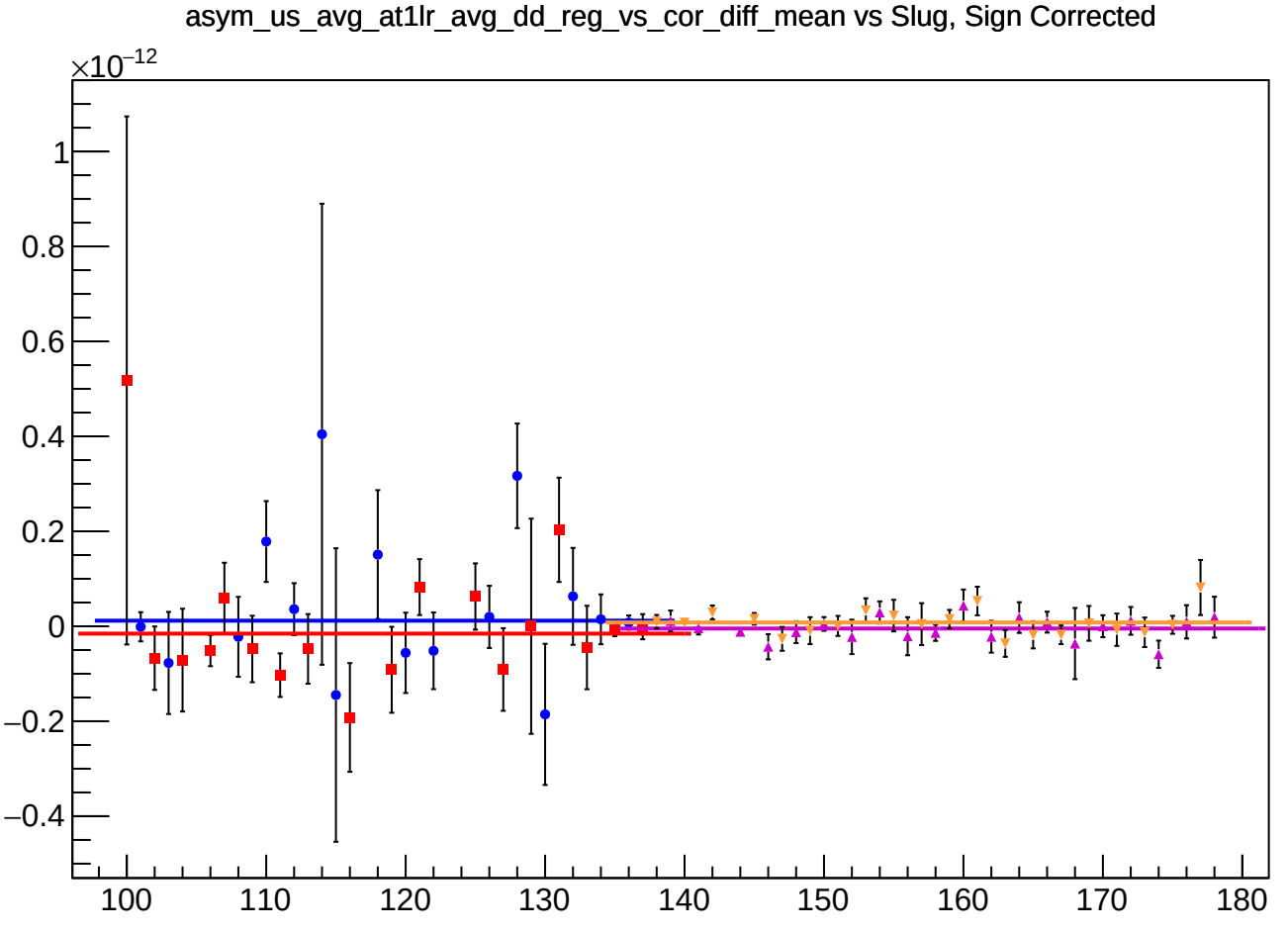
Left: 1915.823+/-0.239 χ^2/NDF: 188791.4/39

Right: 2074.439+/-0.396 χ^2/NDF: 1622768.9/33

In: 1953.383+/-0.288 χ^2/NDF:1091044.7/35

Out: 1962.989+/-0.291 χ^2/NDF:837338.1/37

All: 1958.127+/-0.205 χ^2/NDF: 1928933.0/73



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

Left Out: 0.000+/-0.000 χ^2/NDF:15.8/19

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/17

Left In: -0.000+/-0.000 χ^2/NDF:14.2/19

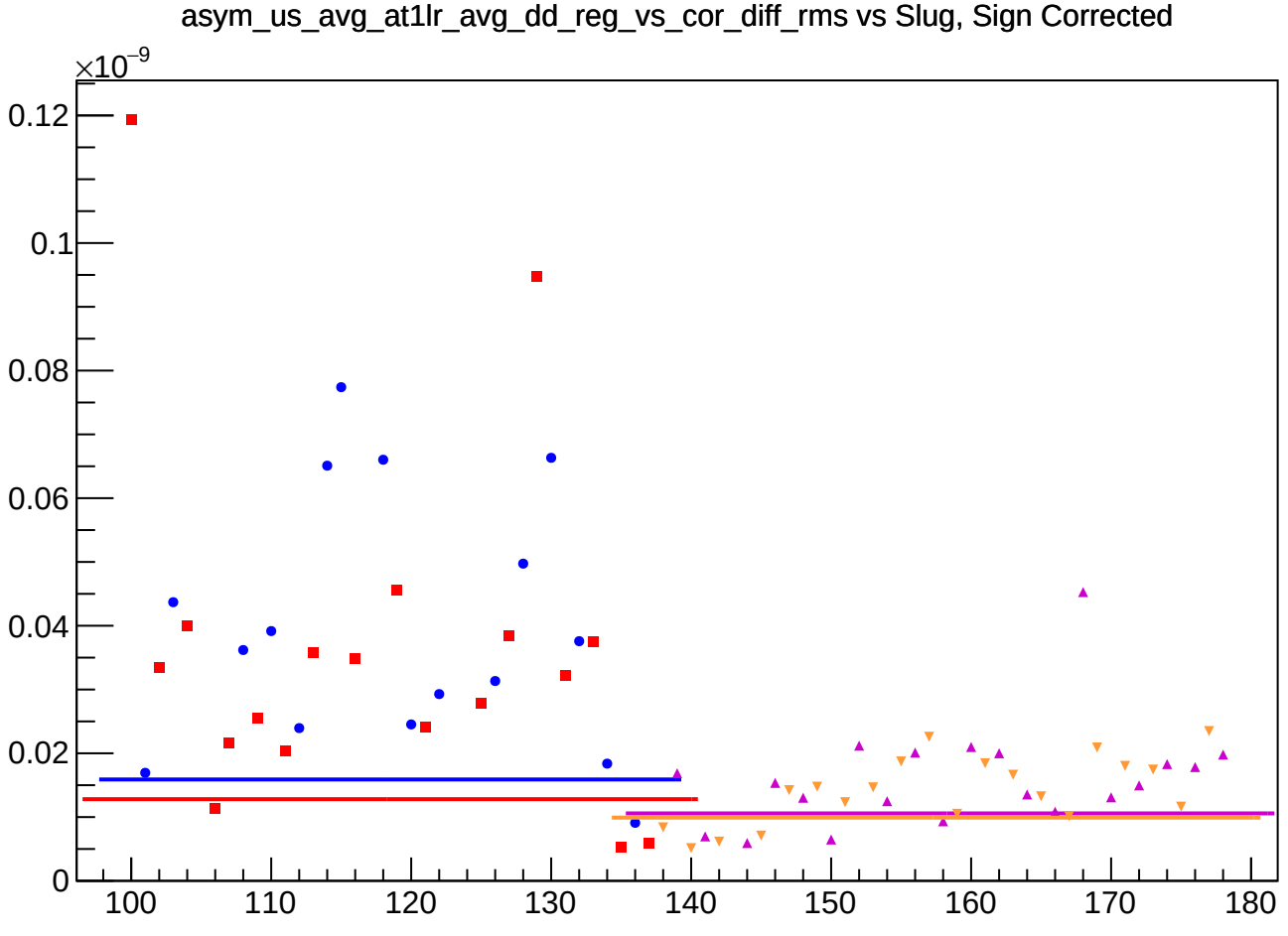
Left: 0.000+/-0.000 χ^2/NDF: 33.9/39

Right: -0.000+/-0.000 χ^2/NDF: 41.8/33

In: -0.000+/-0.000 χ^2/NDF:34.0/35

Out: 0.000+/-0.000 χ^2/NDF:40.6/37

All: 0.000+/-0.000 χ^2/NDF: 76.0/73



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:2562817.8/19

Left: 0.000+/-0.000 χ^2/NDF: 4700606.1/39

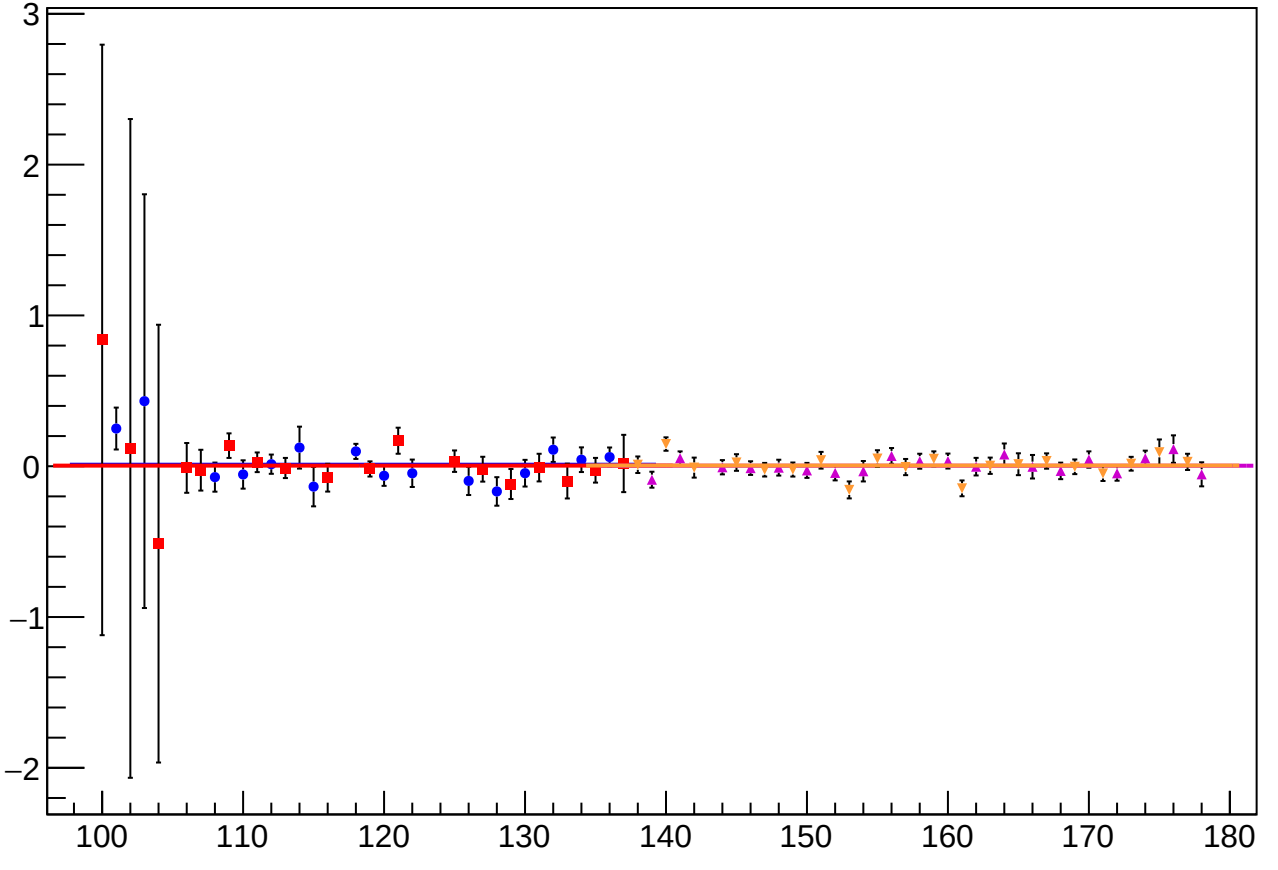
Right: 0.000+/-0.000 χ^2/NDF: 4498662.7/33

In: 0.000+/-0.000 χ^2/NDF:4860646.3/35

Out: 0.000+/-0.000 χ^2/NDF:4727913.1/37

All: 0.000+/-0.000 χ^2/NDF: 9642372.7/73

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: 0.003+/-0.012 χ^2/NDF:14.4/19

Left: 0.004+/-0.008 χ^2/NDF: 46.9/39

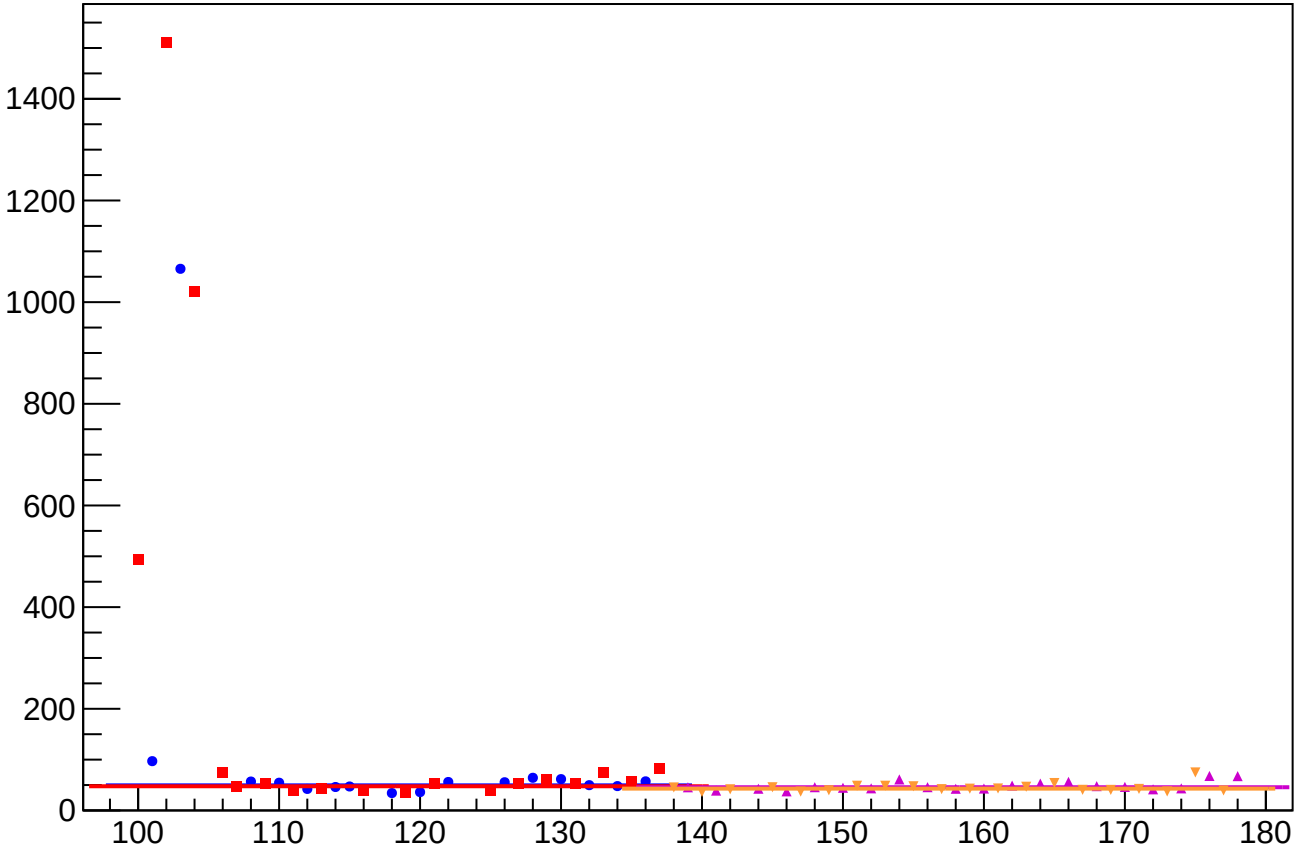
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.011 χ^2/NDF:32.9/35

Out: 0.005+/-0.010 χ^2/NDF:43.0/37

All: 0.005+/-0.007 χ^2/NDF: 75.9/73

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: 45.675+/-0.009 χ^2/NDF:587286.4/19

Left: 44.284+/-0.006 χ^2/NDF: 1175490.4/39

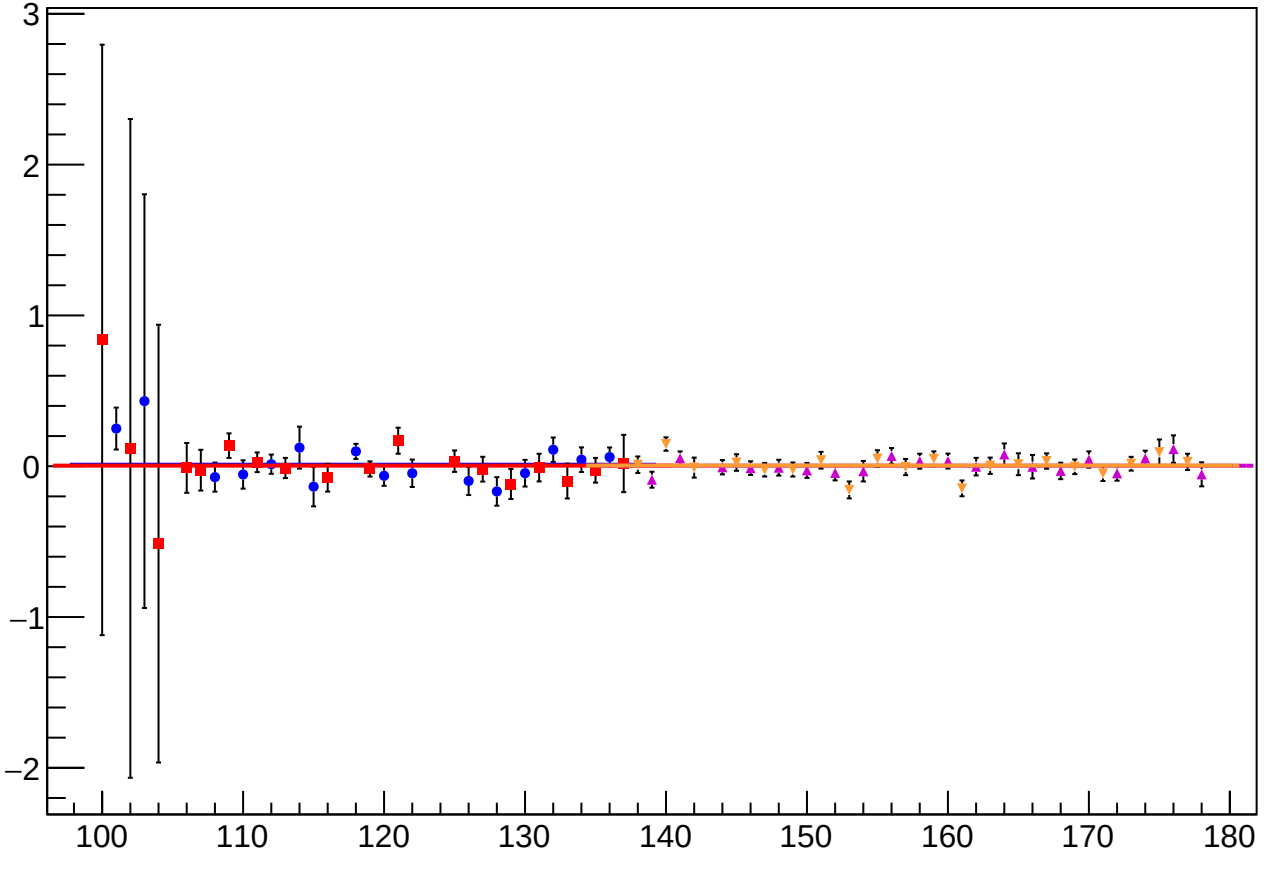
Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 46.598+/-0.007 χ^2/NDF:2409831.1/35

Out: 44.047+/-0.007 χ^2/NDF:3026849.8/37

All: 45.304+/-0.005 χ^2/NDF: 5496301.0/73

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: 0.003+/-0.012 χ^2/NDF:14.4/19

Left: 0.004+/-0.008 χ^2/NDF: 46.9/39

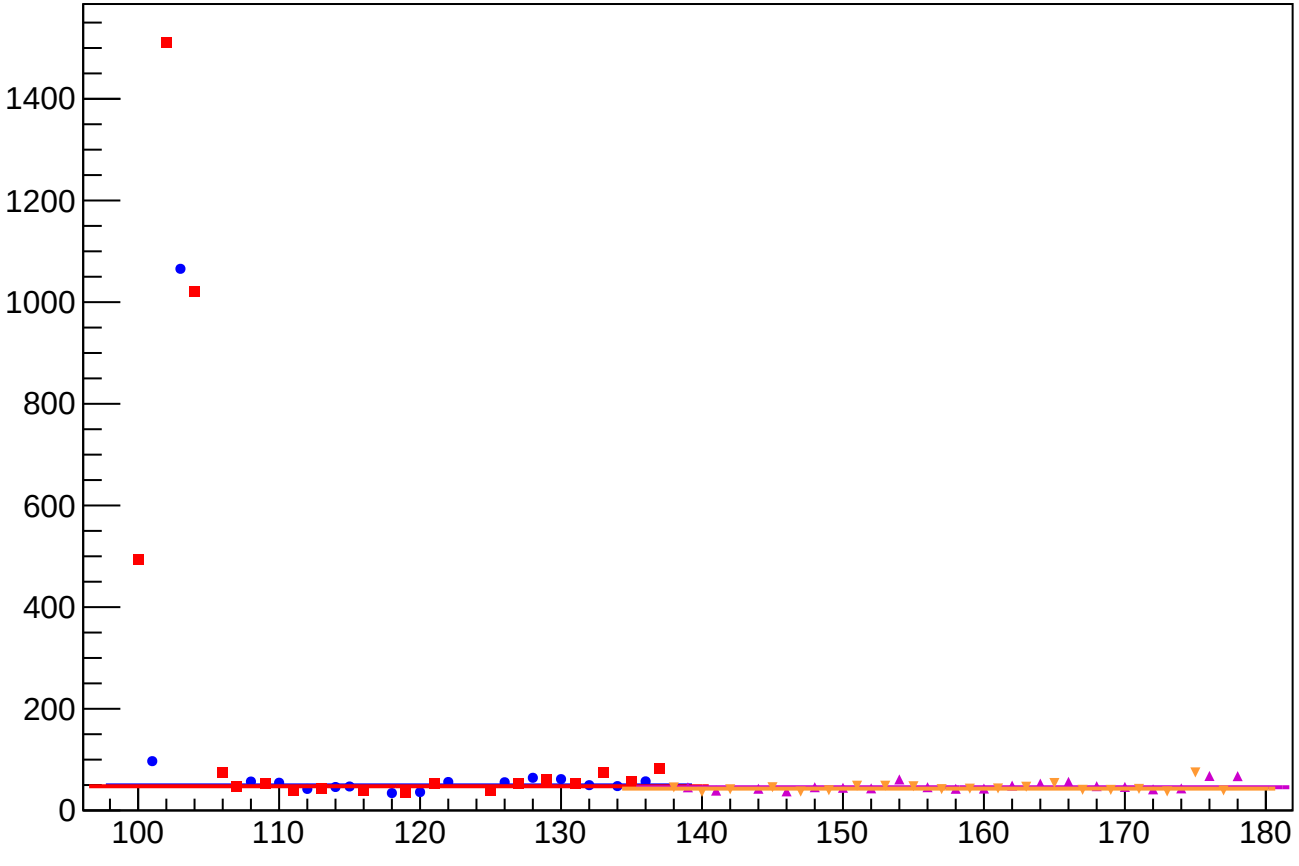
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.011 χ^2/NDF:32.9/35

Out: 0.005+/-0.010 χ^2/NDF:43.0/37

All: 0.005+/-0.007 χ^2/NDF: 75.9/73

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: 45.675+/-0.009 χ^2/NDF:587286.4/19

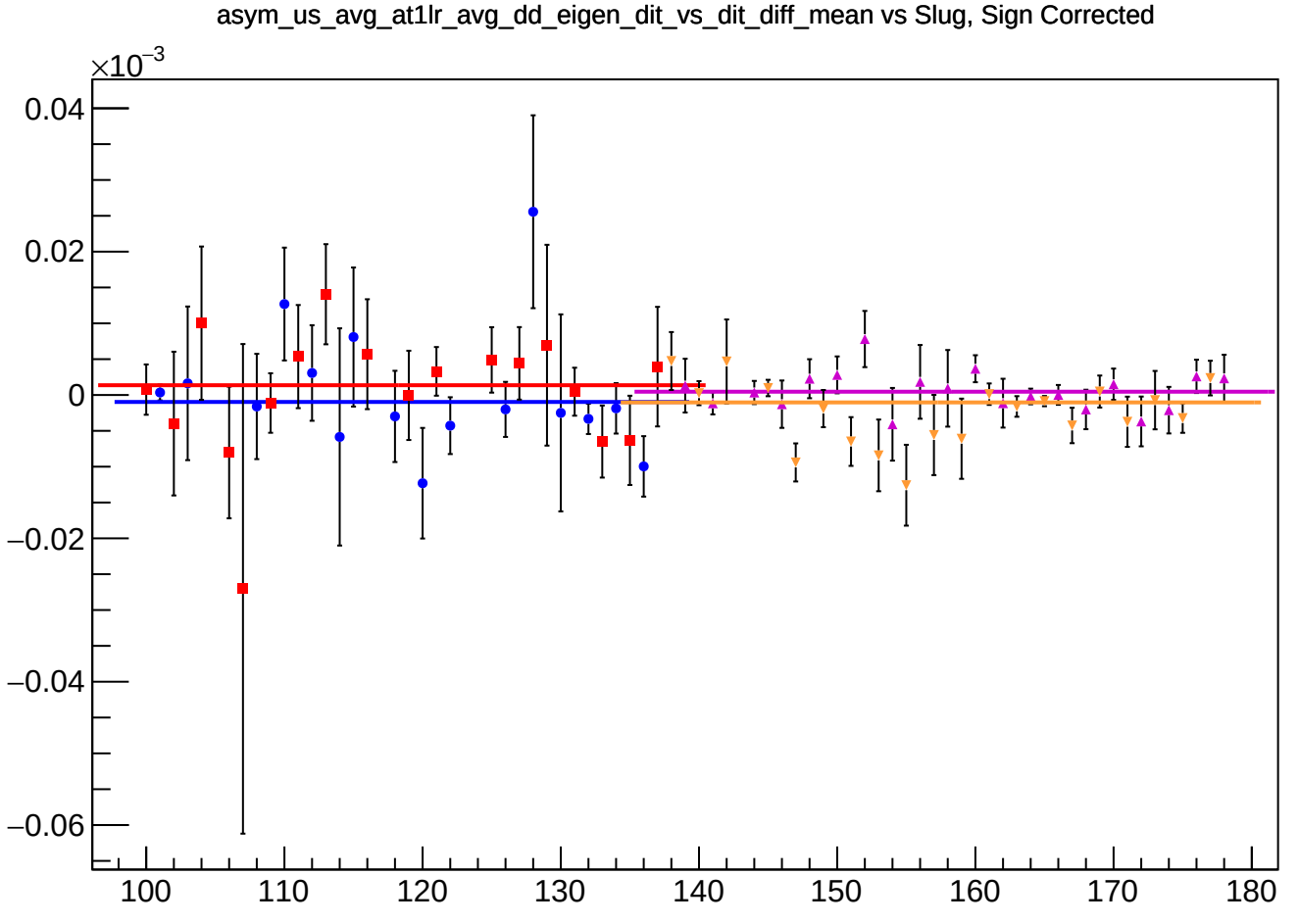
Left: 44.284+/-0.006 χ^2/NDF: 1175490.4/39

Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 46.598+/-0.007 χ^2/NDF:2409831.1/35

Out: 44.047+/-0.007 χ^2/NDF:3026849.8/37

All: 45.304+/-0.005 χ^2/NDF: 5496301.0/73



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:15.0/19

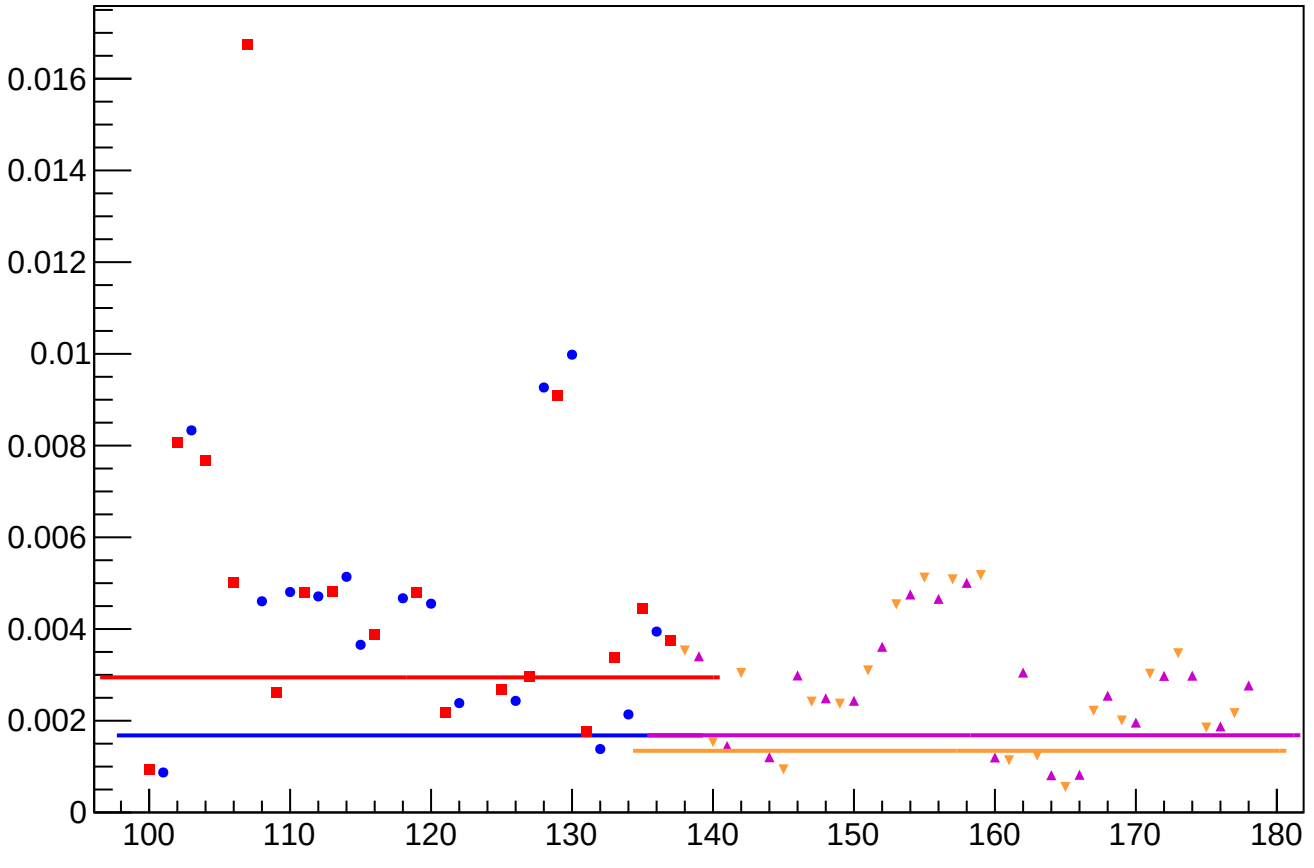
Left: -0.000+/-0.000 χ^2/NDF: 53.9/39

Right: -0.000+/-0.000 χ^2/NDF: 33.6/33

In: 0.000+/-0.000 χ^2/NDF:35.8/35

Out: -0.000+/-0.000 χ^2/NDF:49.6/37

All: -0.000+/-0.000 χ^2/NDF: 87.5/73



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:7515040.1/19

Left: 0.001+/-0.000 χ^2/NDF: 18045736.0/39

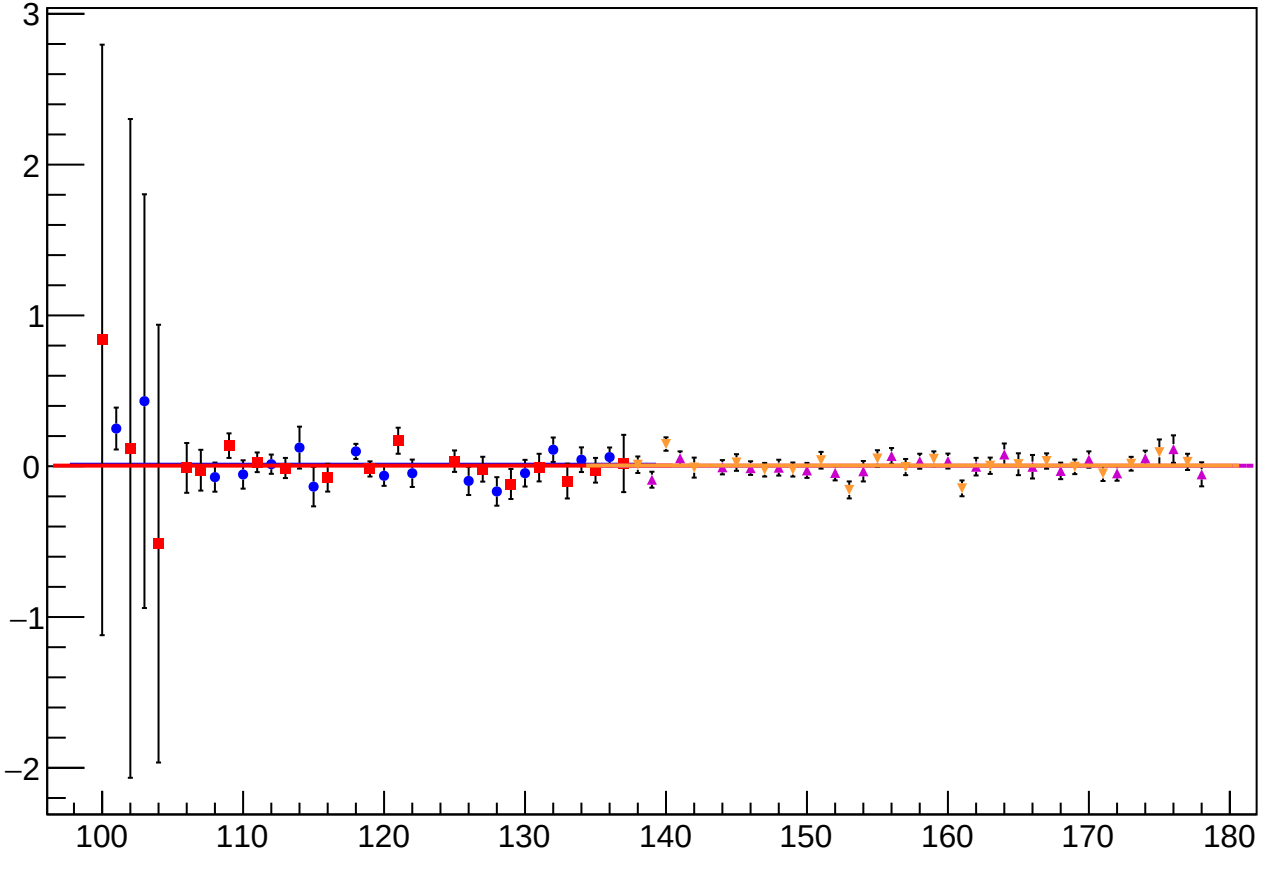
Right: 0.002+/-0.000 χ^2/NDF: 10702272.5/33

In: 0.002+/-0.000 χ^2/NDF:13475305.5/35

Out: 0.002+/-0.000 χ^2/NDF:16160018.2/37

All: 0.002+/-0.000 χ^2/NDF: 29822248.2/73

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: 0.003+/-0.012 χ^2/NDF:14.4/19

Left: 0.004+/-0.008 χ^2/NDF: 46.8/39

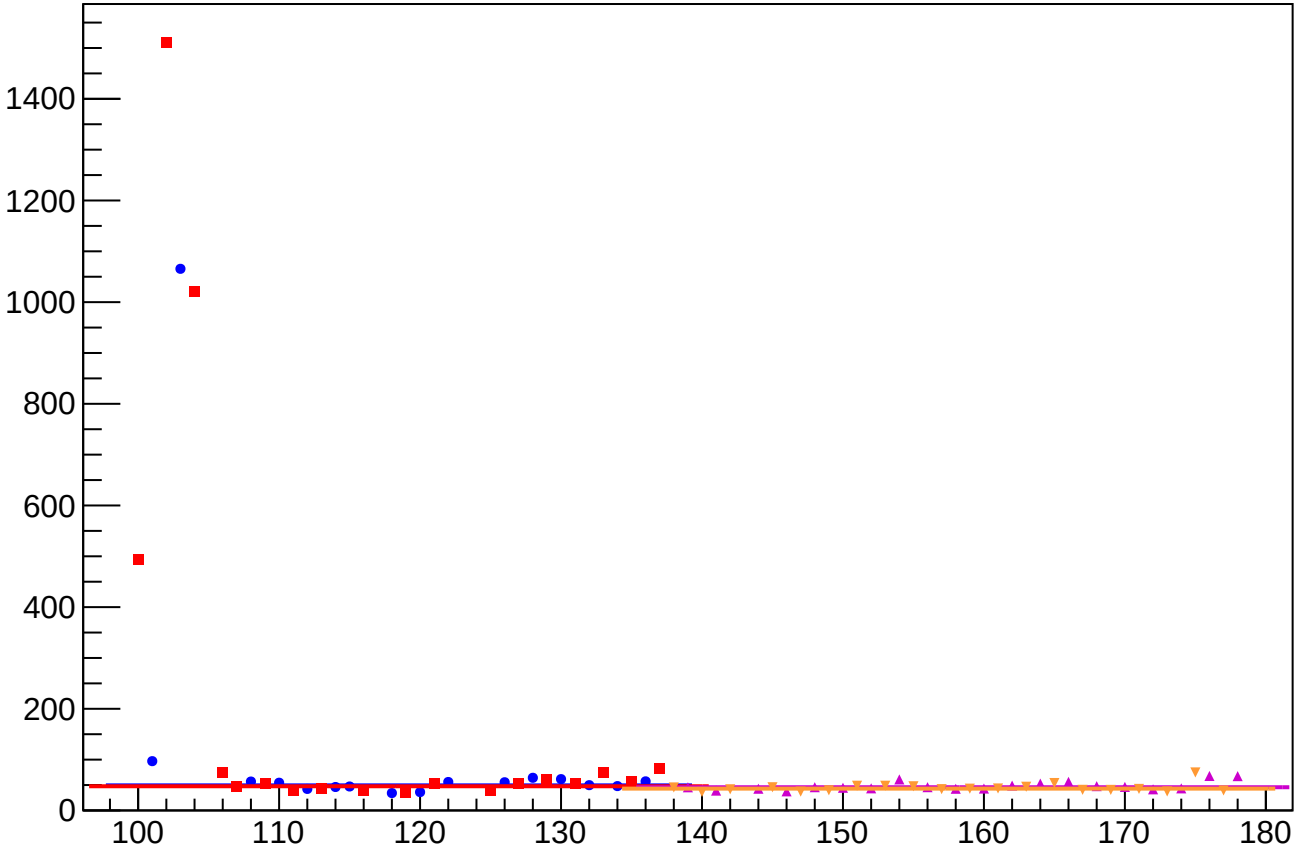
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.011 χ^2/NDF:32.9/35

Out: 0.005+/-0.010 χ^2/NDF:43.0/37

All: 0.005+/-0.007 χ^2/NDF: 75.9/73

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: 45.675+/-0.009 χ^2/NDF:587355.5/19

Left: 44.284+/-0.006 χ^2/NDF: 1175559.7/39

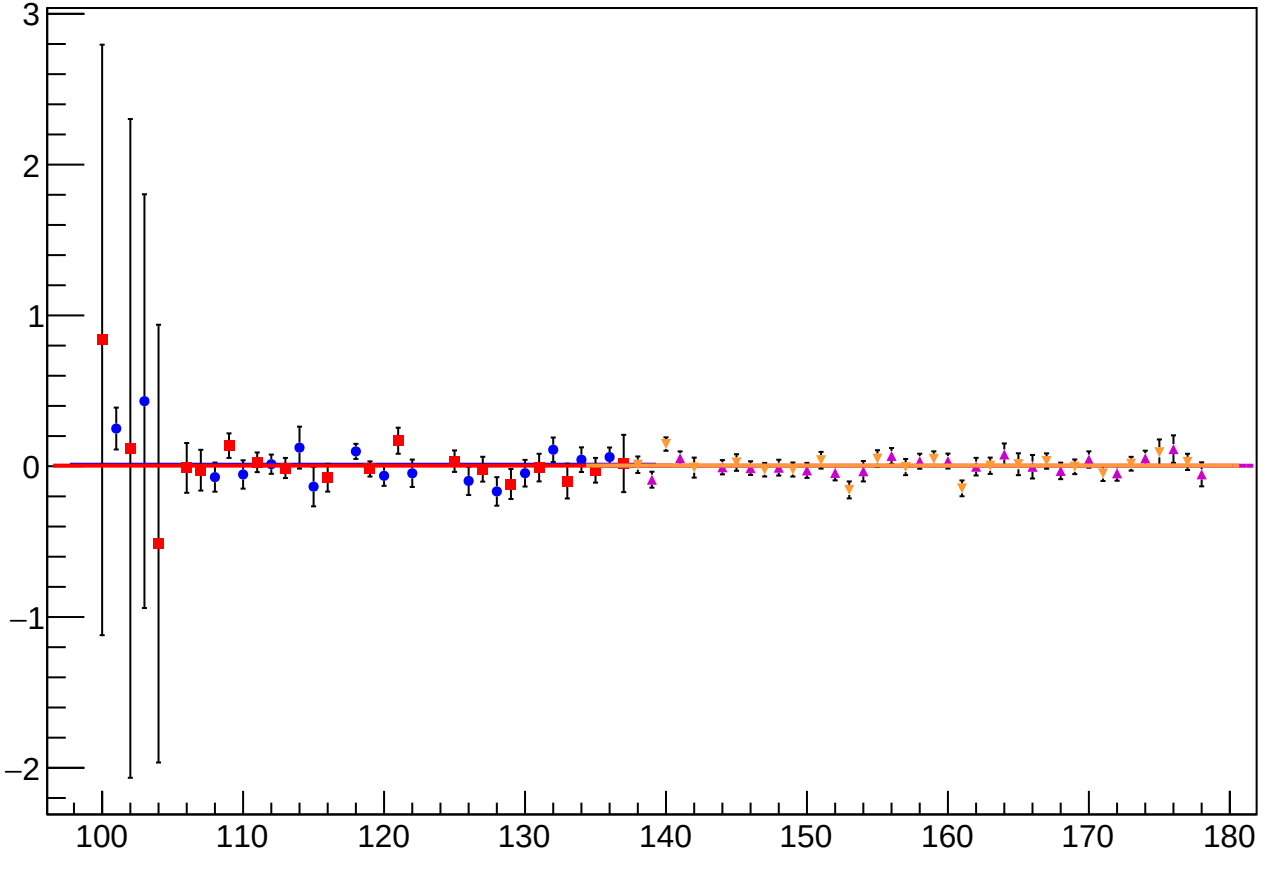
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 46.598+/-0.007 χ^2/NDF:2409844.1/35

Out: 44.047+/-0.007 χ^2/NDF:3026870.1/37

All: 45.304+/-0.005 χ^2/NDF: 5496332.7/73

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: 0.003+/-0.012 χ^2/NDF:14.4/19

Left: 0.004+/-0.008 χ^2/NDF: 46.8/39

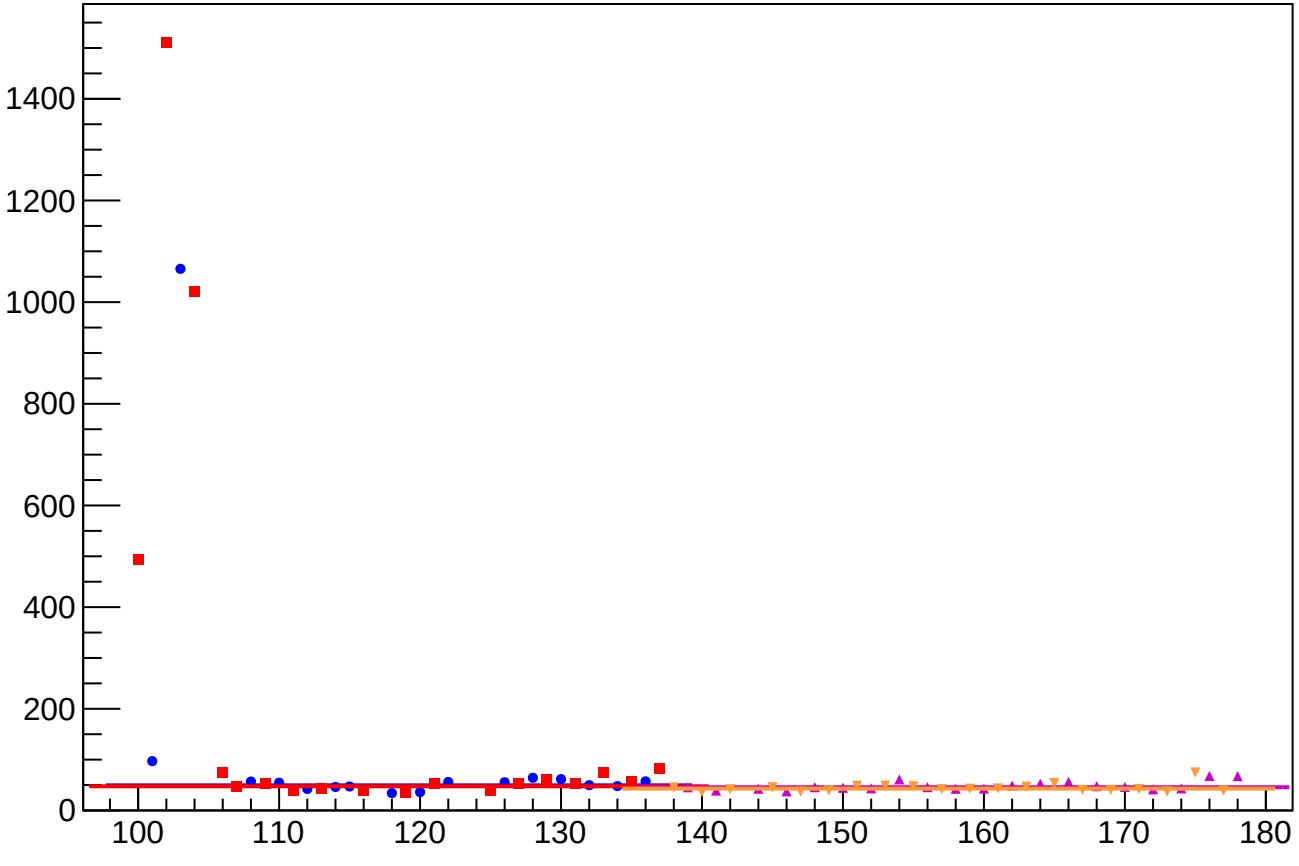
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.011 χ^2/NDF:32.9/35

Out: 0.005+/-0.010 χ^2/NDF:43.0/37

All: 0.005+/-0.007 χ^2/NDF: 75.9/73

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: 45.675+/-0.009 χ^2/NDF:587355.5/19

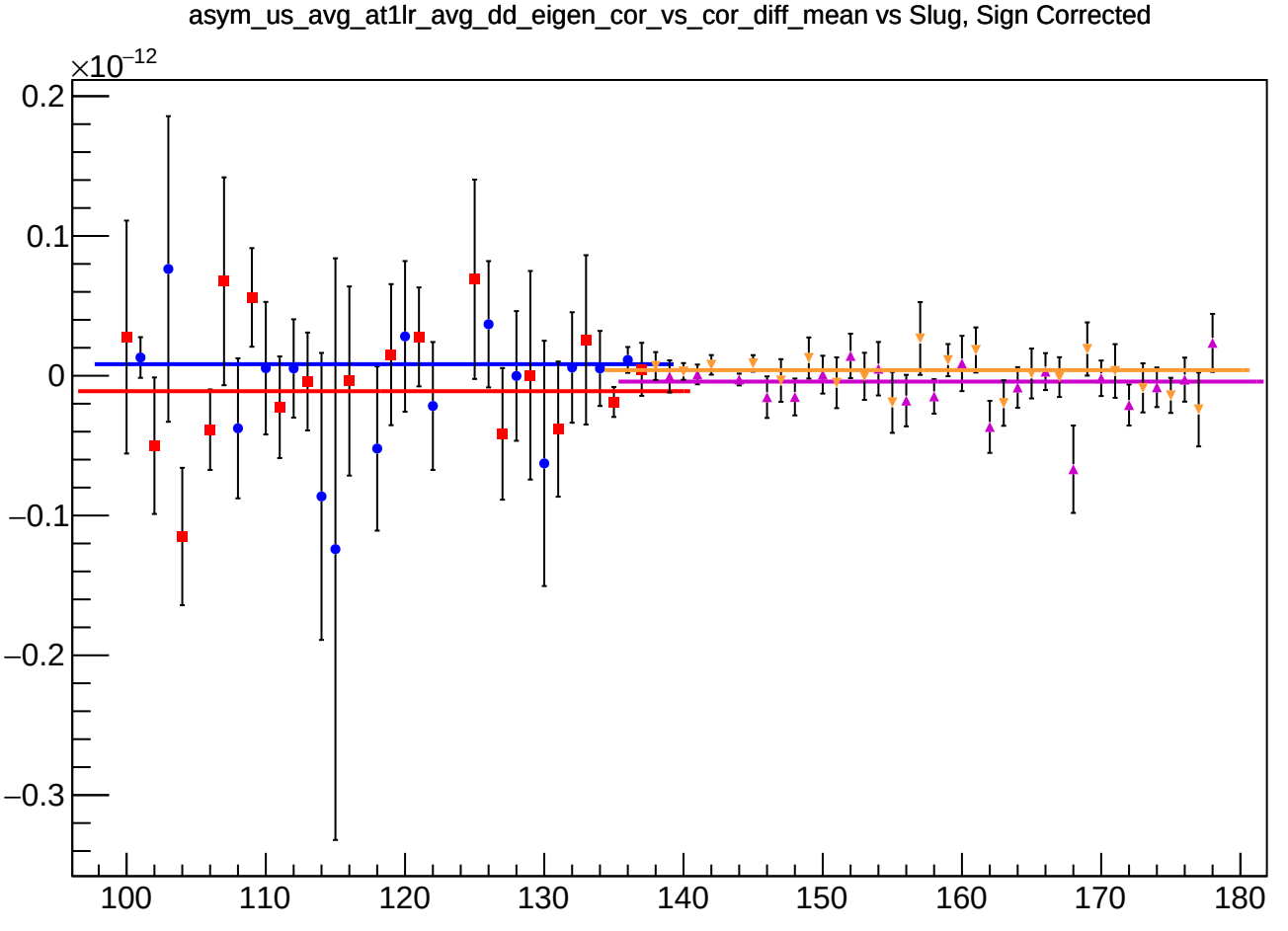
Left: 44.284+/-0.006 χ^2/NDF: 1175559.7/39

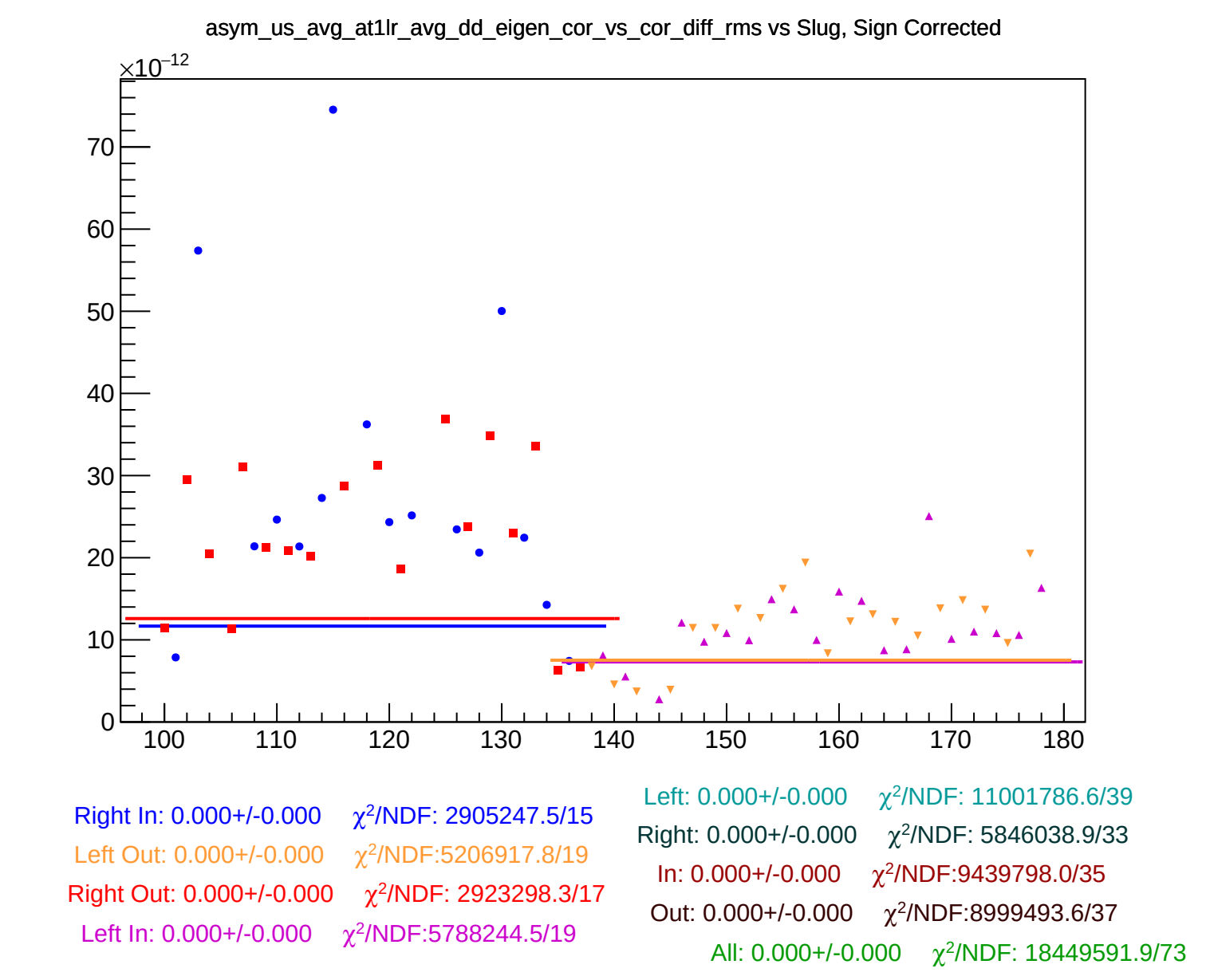
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

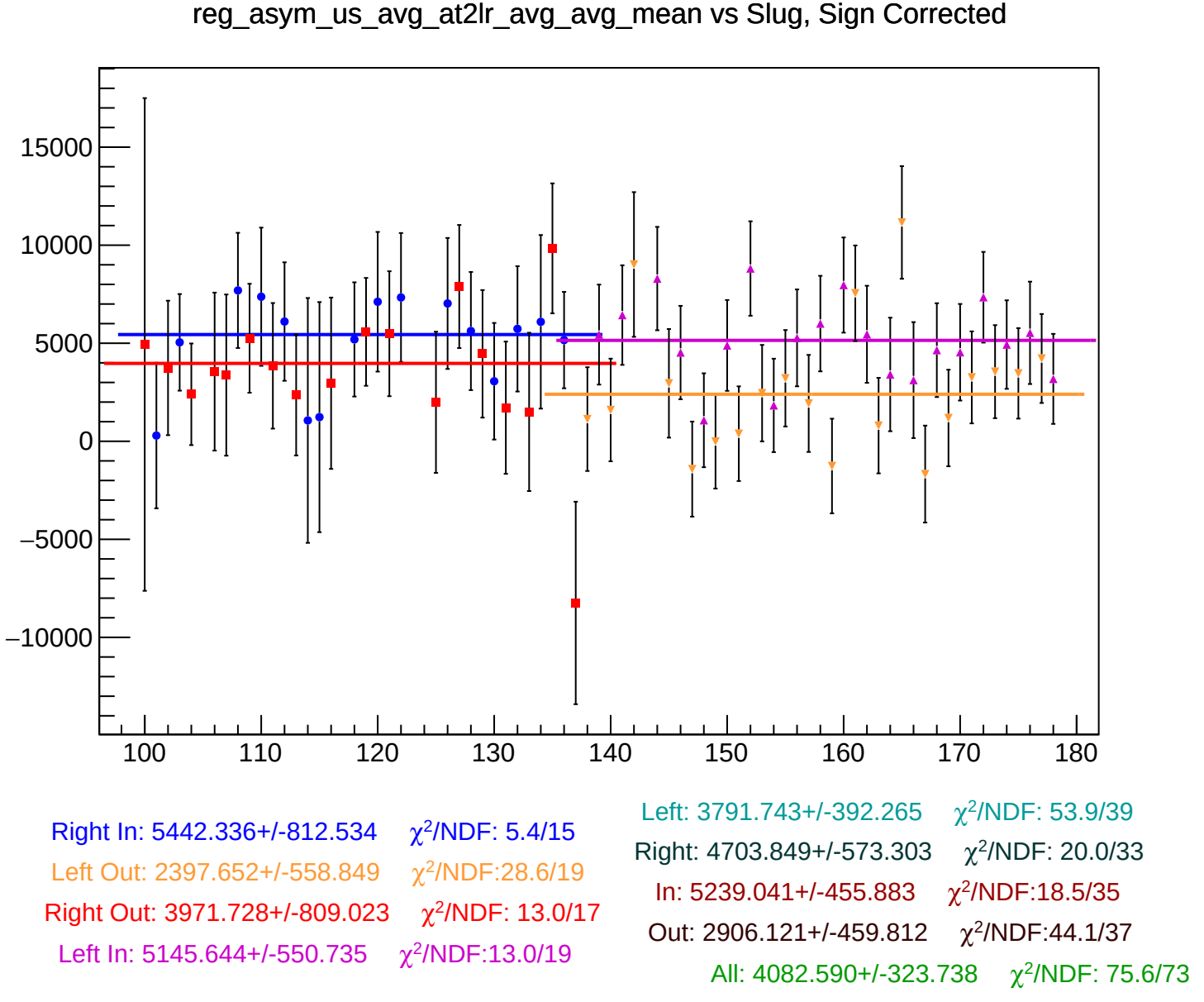
In: 46.598+/-0.007 χ^2/NDF:2409844.1/35

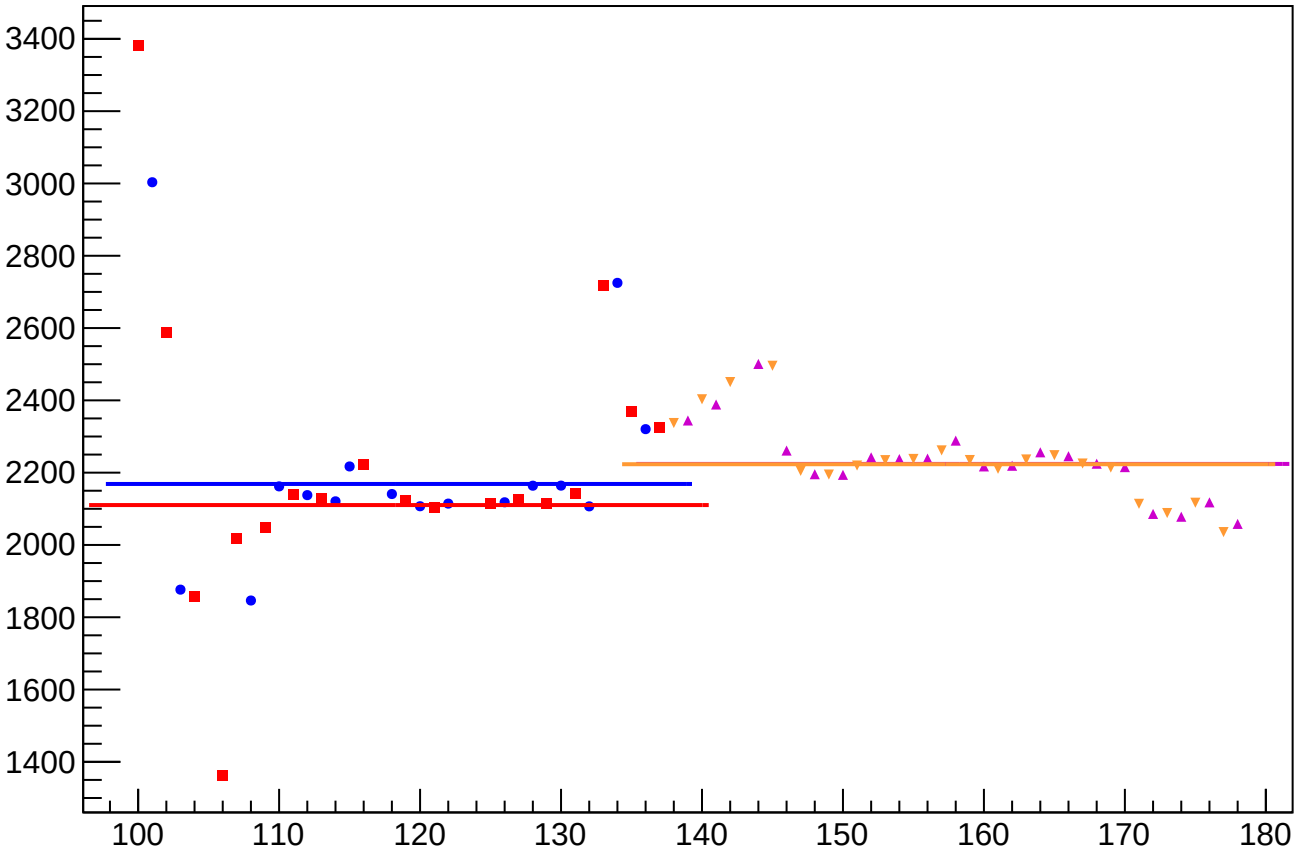
Out: 44.047+/-0.007 χ^2/NDF:3026870.1/37

All: 45.304+/-0.005 χ^2/NDF: 5496332.7/73


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:16.1/19
Left: -0.000+/-0.000 χ²/NDF: 32.7/39
Right: -0.000+/-0.000 χ²/NDF: 25.5/33
In: -0.000+/-0.000 χ²/NDF:24.5/35
Out: 0.000+/-0.000 χ²/NDF:31.7/37
All: -0.000+/-0.000 χ²/NDF: 58.2/73


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2905247.5/15
Left Out: 0.000+/-0.000 χ²/NDF:5206917.8/19
Right Out: 0.000+/-0.000 χ²/NDF: 2923298.3/17
Left In: 0.000+/-0.000 χ²/NDF:5788244.5/19
Left: 0.000+/-0.000 χ²/NDF: 11001786.6/39
Right: 0.000+/-0.000 χ²/NDF: 5846038.9/33
In: 0.000+/-0.000 χ²/NDF:9439798.0/35
Out: 0.000+/-0.000 χ²/NDF:8999493.6/37
All: 0.000+/-0.000 χ²/NDF: 18449591.9/73


reg_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: 5442.336+/-812.534 χ²/NDF: 5.4/15
Left Out: 2397.652+/-558.849 χ²/NDF:28.6/19
Right Out: 3971.728+/-809.023 χ²/NDF: 13.0/17
Left In: 5145.644+/-550.735 χ²/NDF:13.0/19
Left: 3791.743+/-392.265 χ²/NDF: 53.9/39
Right: 4703.849+/-573.303 χ²/NDF: 20.0/33
In: 5239.041+/-455.883 χ²/NDF:18.5/35
Out: 2906.121+/-459.812 χ²/NDF:44.1/37
All: 4082.590+/-323.738 χ²/NDF: 75.6/73



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: 2224.132+/-0.389 χ^2/NDF:67288.4/19

Left: 2223.739+/-0.277 χ^2/NDF: 137494.0/39

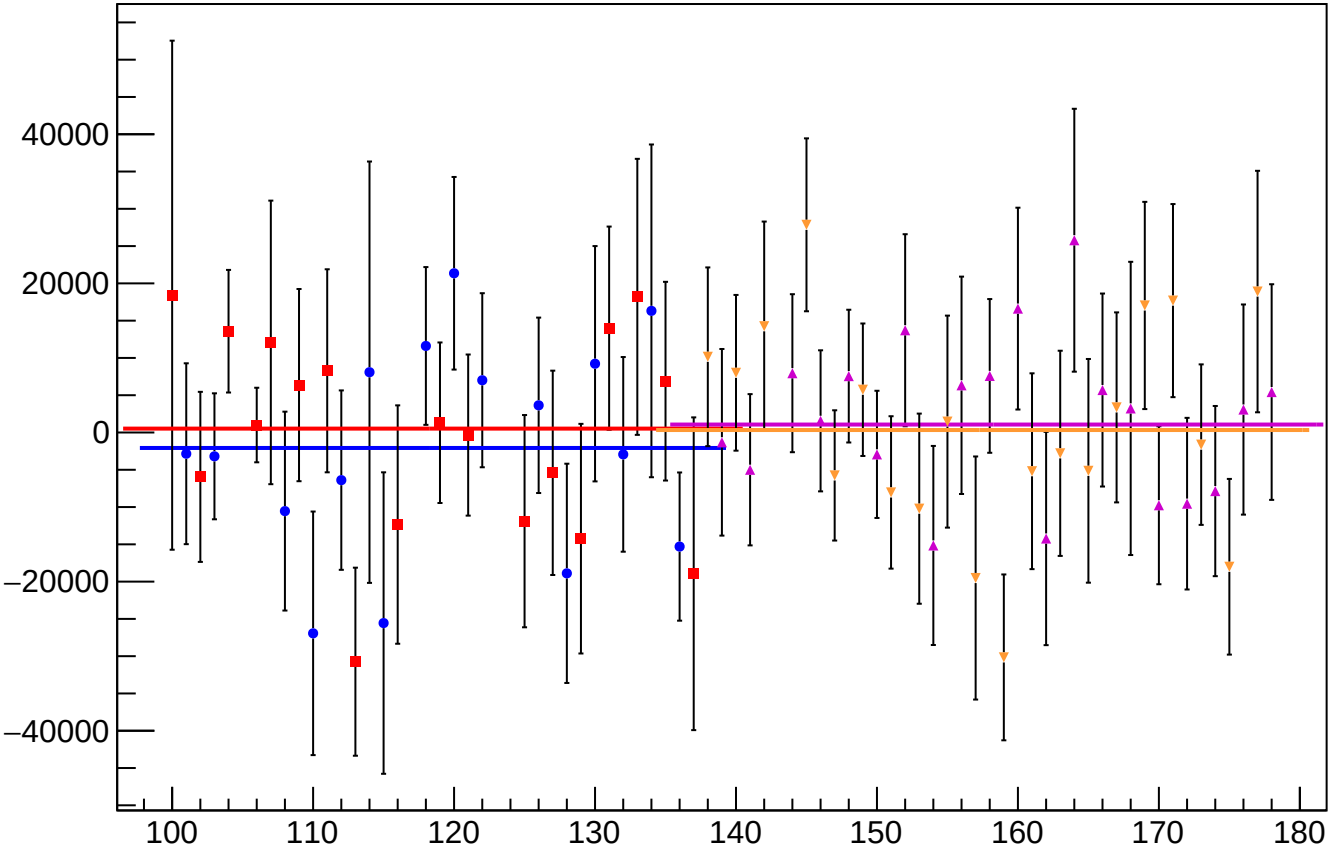
Right: 2138.947+/-0.402 χ^2/NDF: 468334.9/33

In: 2206.688+/-0.322 χ^2/NDF:269322.5/35

Out: 2186.046+/-0.323 χ^2/NDF:364591.7/37

All: 2196.401+/-0.228 χ^2/NDF: 635957.5/73

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -2074.843+/-3212.093 χ^2/NDF: 14.4/15

Left Out: 329.710+/-2678.261 χ^2/NDF:26.5/19

Right Out: 521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: 1066.544+/-2631.758 χ^2/NDF:11.7/19

Left: 704.580+/-1877.159 χ^2/NDF: 38.2/39

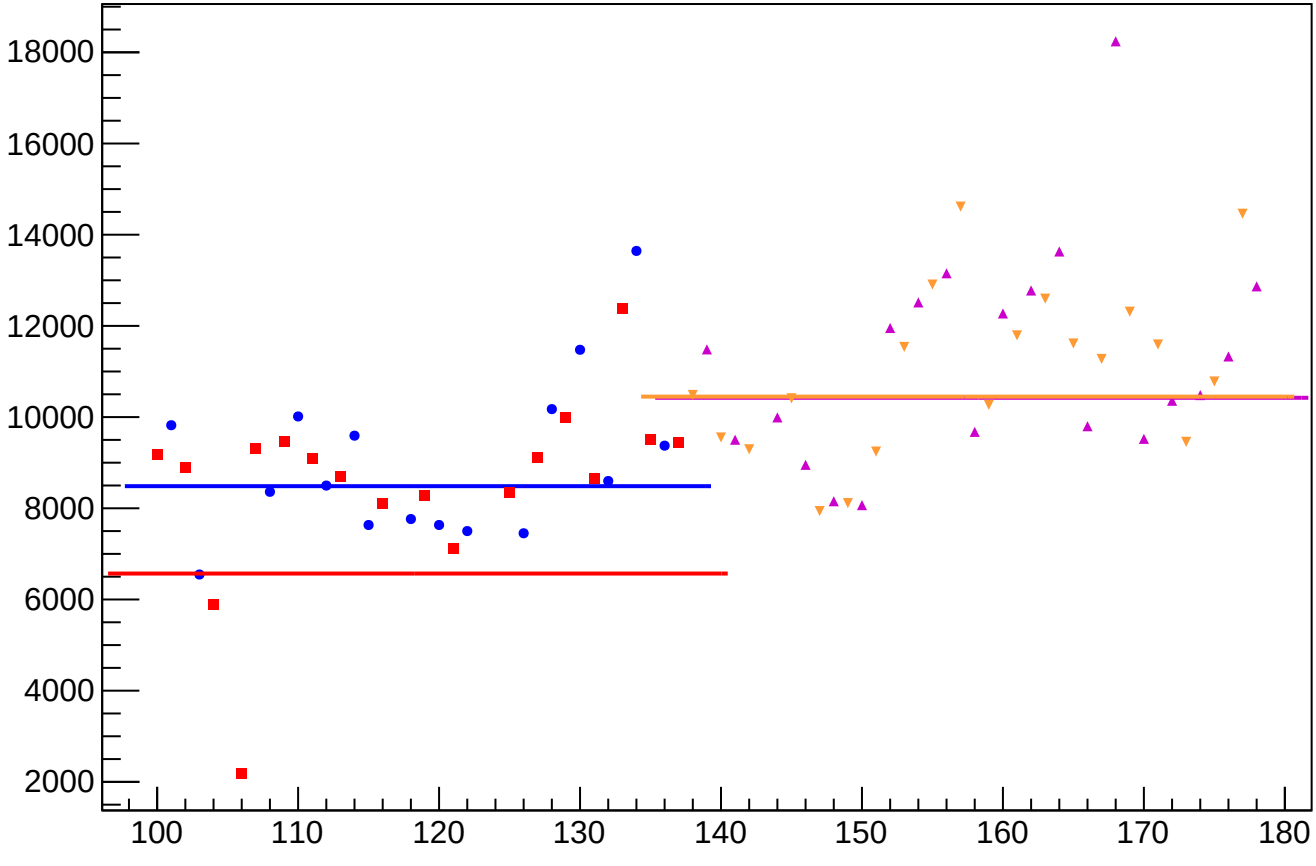
Right: -560.742+/-2073.786 χ^2/NDF: 30.5/33

In: -195.234+/-2035.724 χ^2/NDF:26.7/35

Out: 424.255+/-1906.876 χ^2/NDF:42.2/37

All: 134.734+/-1391.688 χ^2/NDF: 68.9/73

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 8485.000+/-2.271 χ^2/NDF: 422706.1/15

Left Out: 10448.778+/-1.894 χ^2/NDF:848048.6/19

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

Left In: 10423.483+/-1.861 χ^2/NDF:1081272.8/19

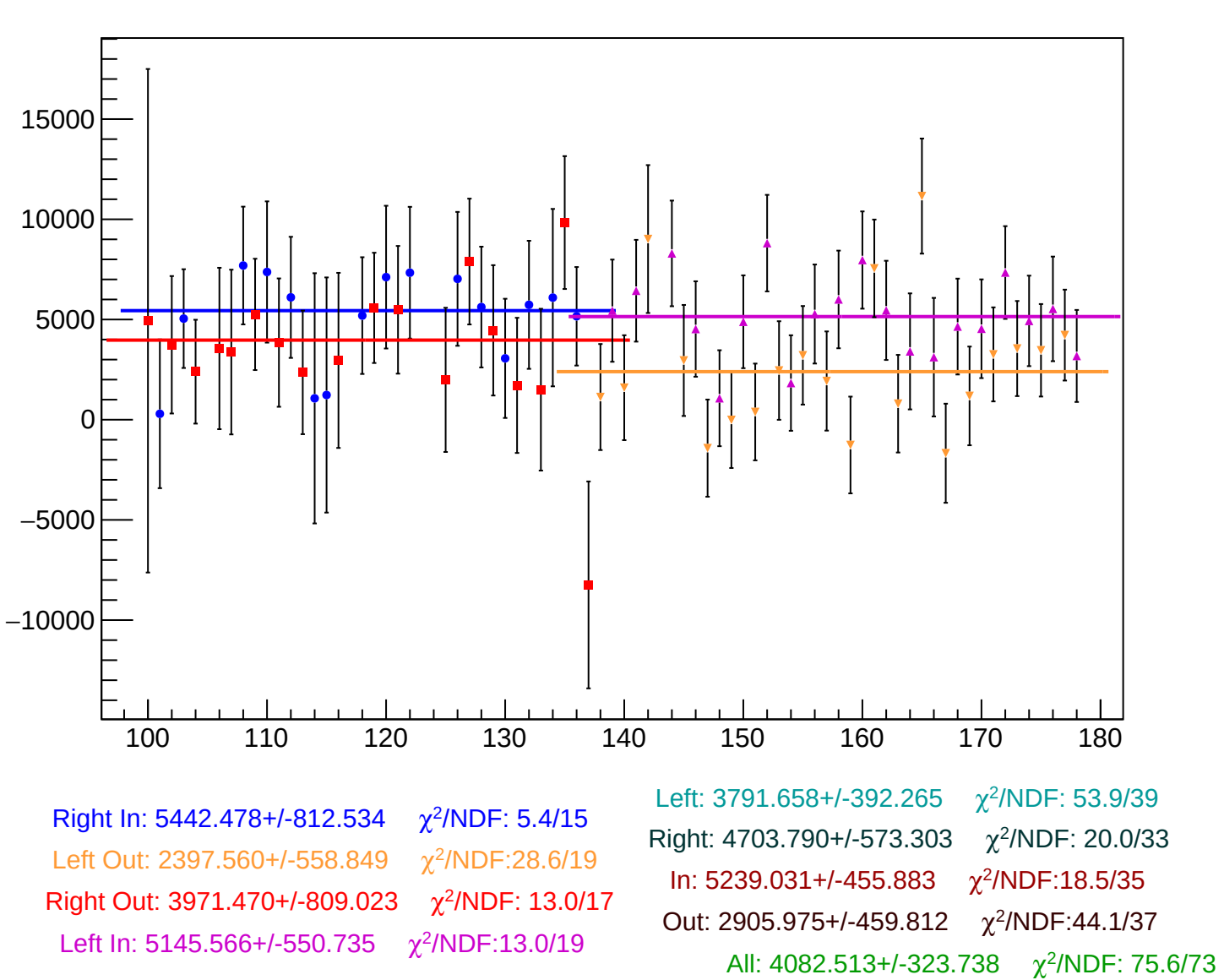
Left: 10435.909+/-1.327 χ^2/NDF: 1929412.1/39

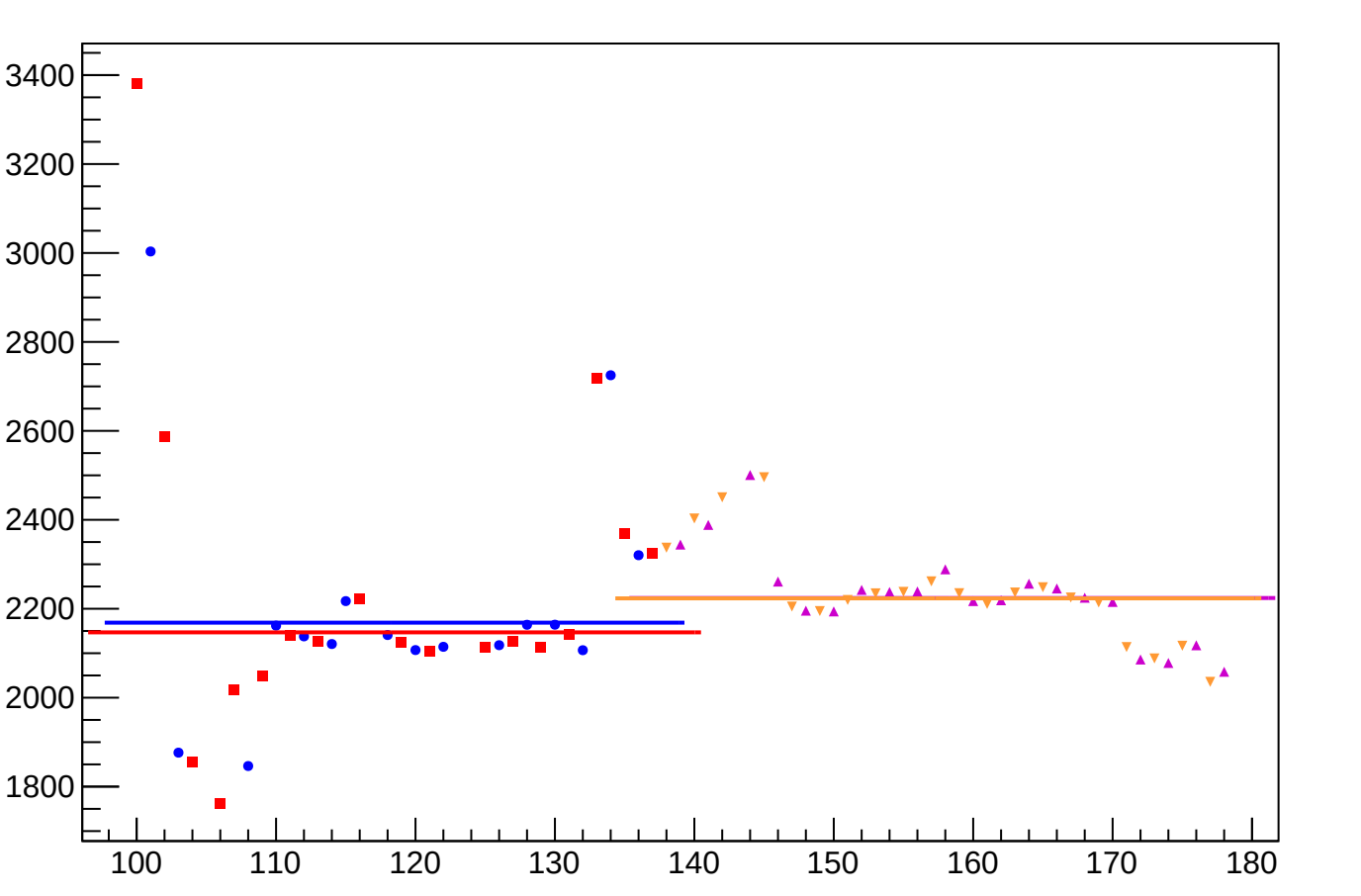
Right: 7367.464+/-1.466 χ^2/NDF: 3406715.7/33

In: 9644.866+/-1.439 χ^2/NDF:1939815.9/35

Out: 8535.593+/-1.348 χ^2/NDF:5486697.4/37

All: 9054.017+/-0.984 χ^2/NDF: 7742819.6/73


cor_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
Right In: 5442.478+/-812.534 χ²/NDF: 5.4/15
Left Out: 2397.560+/-558.849 χ²/NDF:28.6/19
Right Out: 3971.470+/-809.023 χ²/NDF: 13.0/17
Left In: 5145.566+/-550.735 χ²/NDF:13.0/19
Left: 3791.658+/-392.265 χ²/NDF: 53.9/39
Right: 4703.790+/-573.303 χ²/NDF: 20.0/33
In: 5239.031+/-455.883 χ²/NDF:18.5/35
Out: 2905.975+/-459.812 χ²/NDF:44.1/37
All: 4082.513+/-323.738 χ²/NDF: 75.6/73



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: 2224.132+/-0.389 χ^2/NDF:67288.4/19

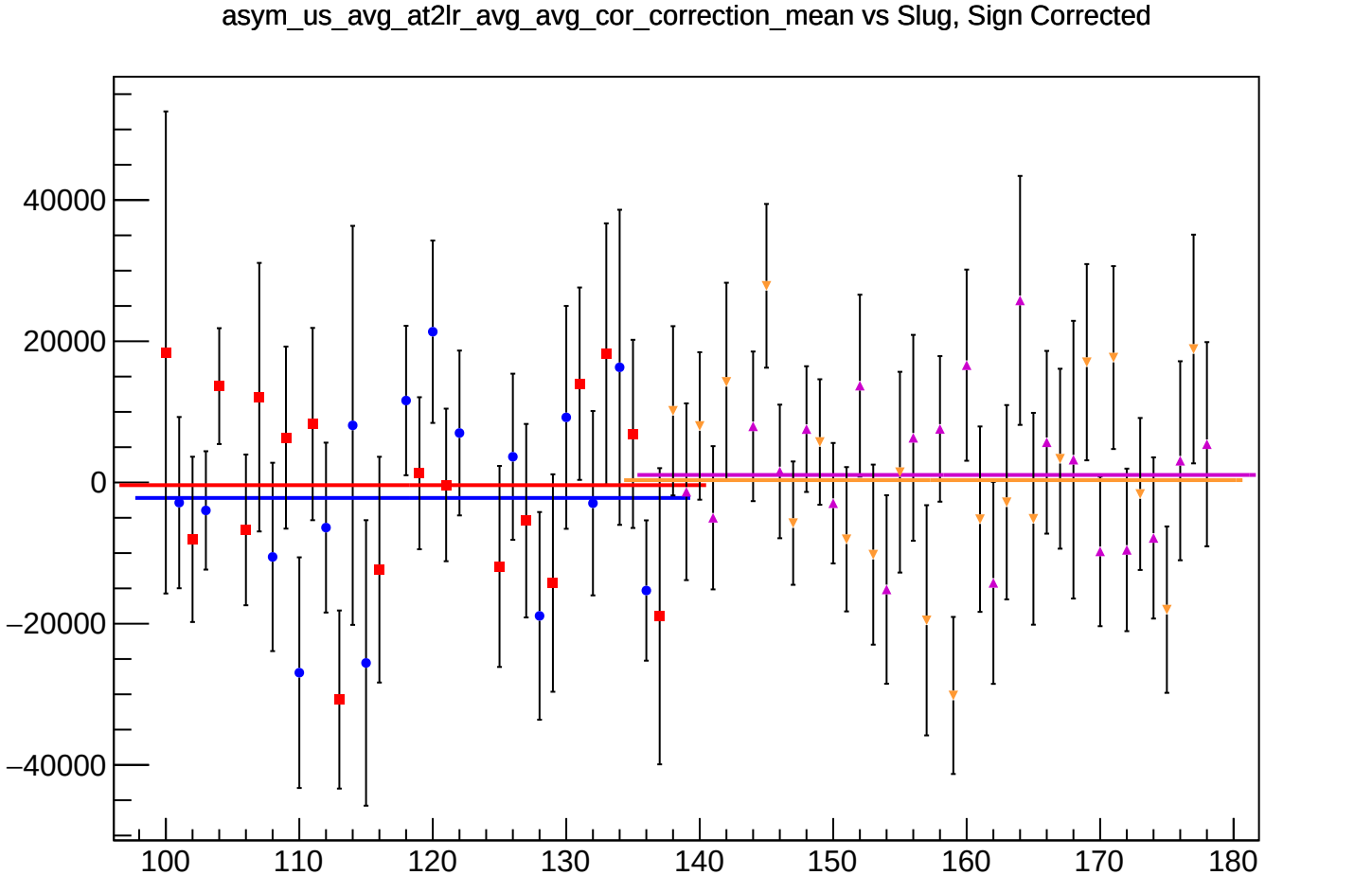
Left: 2223.739+/-0.277 χ^2/NDF: 137494.0/39

Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2206.688+/-0.322 χ^2/NDF:269322.9/35

Out: 2198.473+/-0.325 χ^2/NDF:240124.6/37

All: 2202.609+/-0.229 χ^2/NDF: 509770.0/73



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: 1066.650+/-2631.757 χ^2/NDF:11.7/19

Left: 704.634+/-1877.158 χ^2/NDF: 38.2/39

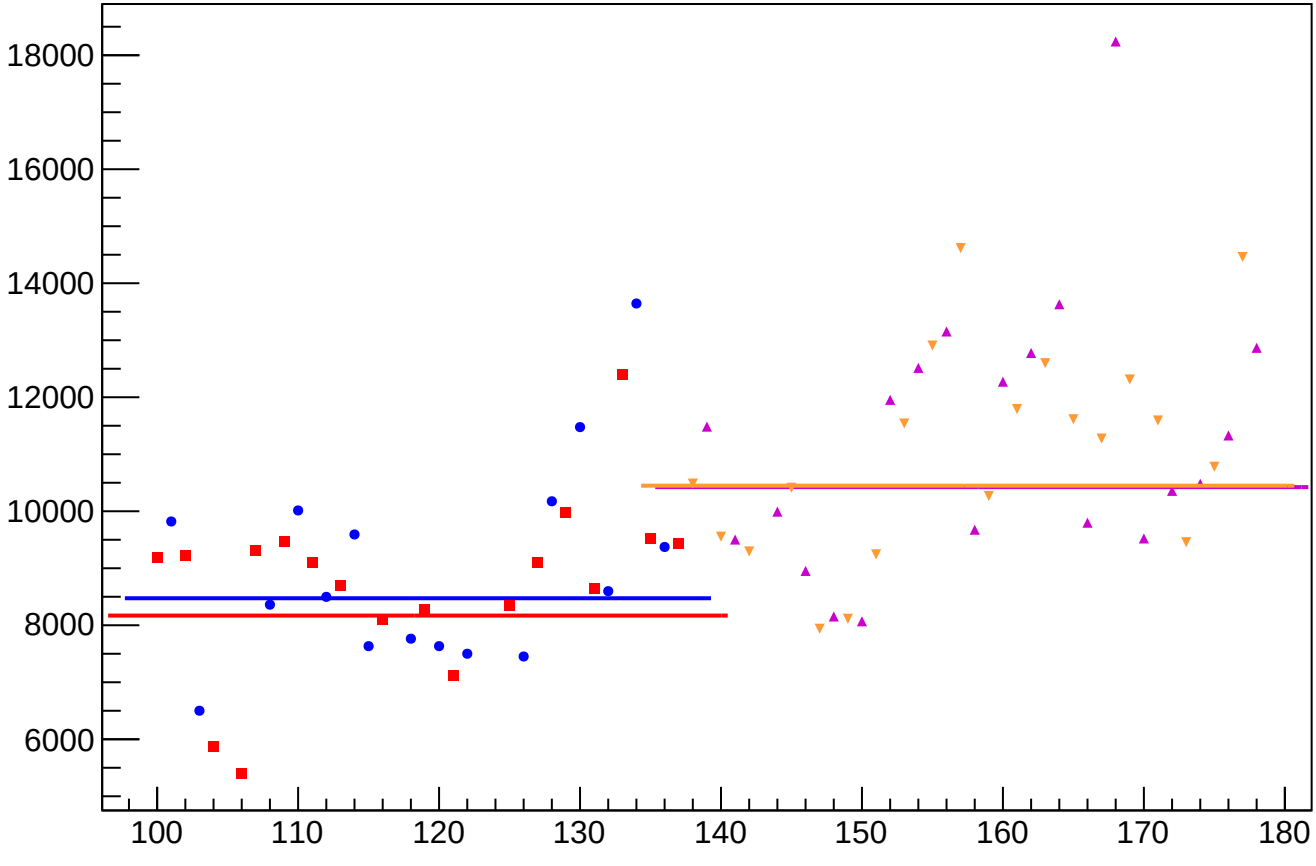
Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -242.866+/-2034.814 χ^2/NDF:26.8/35

Out: 26.703+/-2026.636 χ^2/NDF:42.8/37

All: -107.539+/-1435.931 χ^2/NDF: 69.6/73

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10448.772+/-1.894 χ^2/NDF:848051.8/19

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10423.478+/-1.861 χ^2/NDF:1081277.8/19

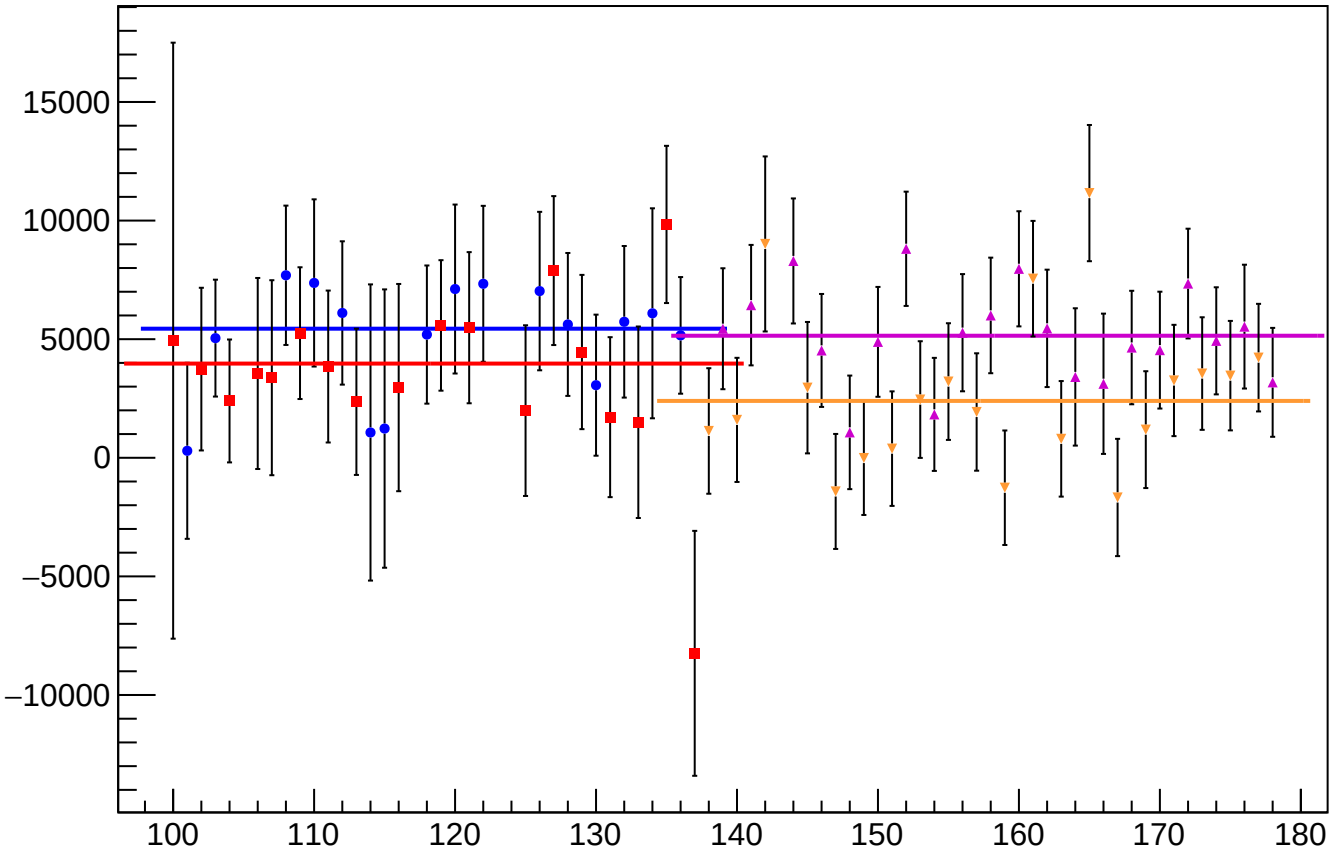
Left: 10435.903+/-1.327 χ^2/NDF: 1929420.4/39

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 9639.300+/-1.439 χ^2/NDF:1952322.8/35

Out: 9474.821+/-1.433 χ^2/NDF:2006787.8/37

All: 9556.729+/-1.015 χ^2/NDF: 3965670.7/73



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: 5145.566+/-550.735 χ^2/NDF:13.0/19

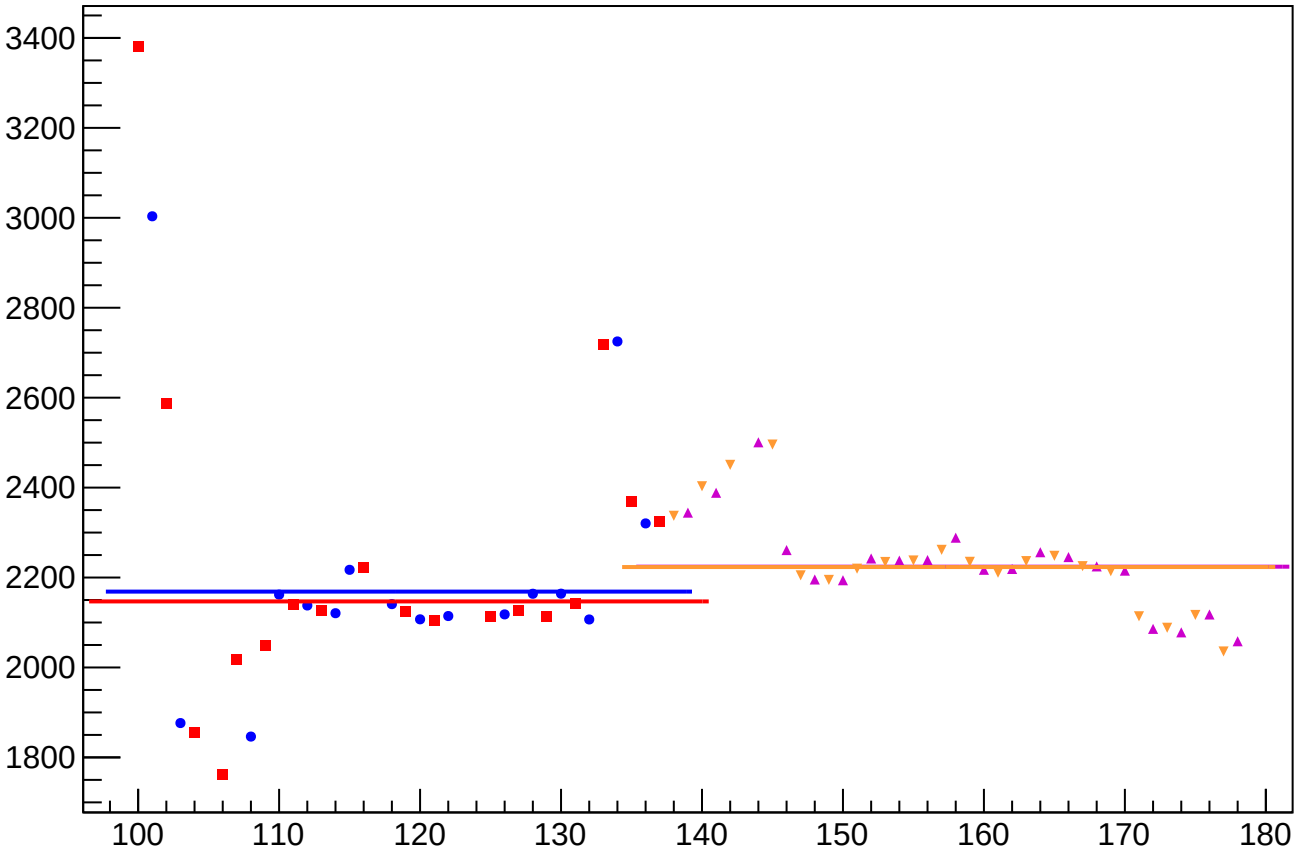
Left: 3791.658+/-392.265 χ^2/NDF: 53.9/39

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5239.031+/-455.883 χ^2/NDF:18.5/35

Out: 2905.975+/-459.812 χ^2/NDF:44.1/37

All: 4082.513+/-323.738 χ^2/NDF: 75.6/73



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: 2224.132+/-0.389 χ^2/NDF:67288.4/19

Left: 2223.739+/-0.277 χ^2/NDF: 137494.0/39

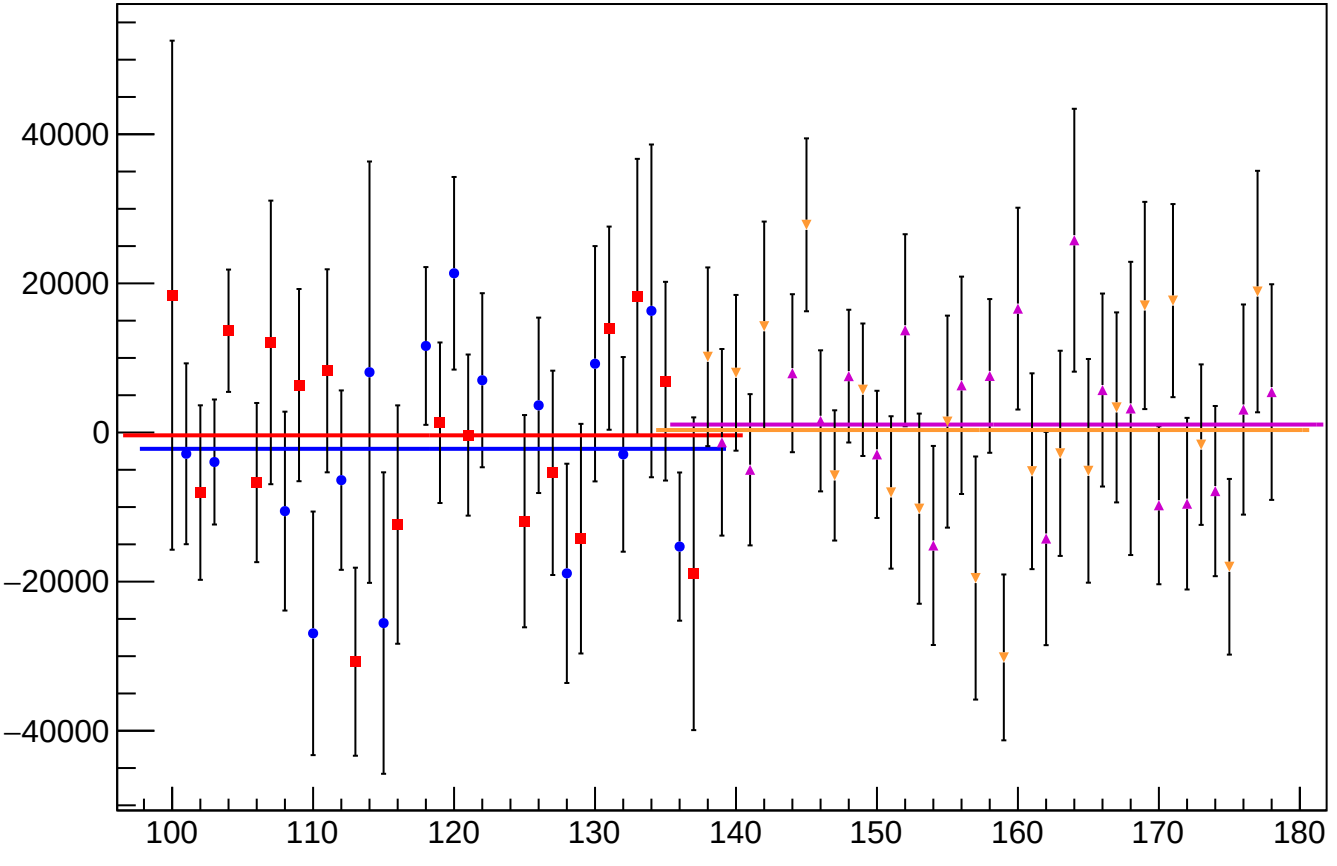
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2206.688+/-0.322 χ^2/NDF:269322.9/35

Out: 2198.473+/-0.325 χ^2/NDF:240124.6/37

All: 2202.609+/-0.229 χ^2/NDF: 509770.0/73

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: 1066.650+/-2631.757 χ^2/NDF:11.7/19

Left: 704.634+/-1877.158 χ^2/NDF: 38.2/39

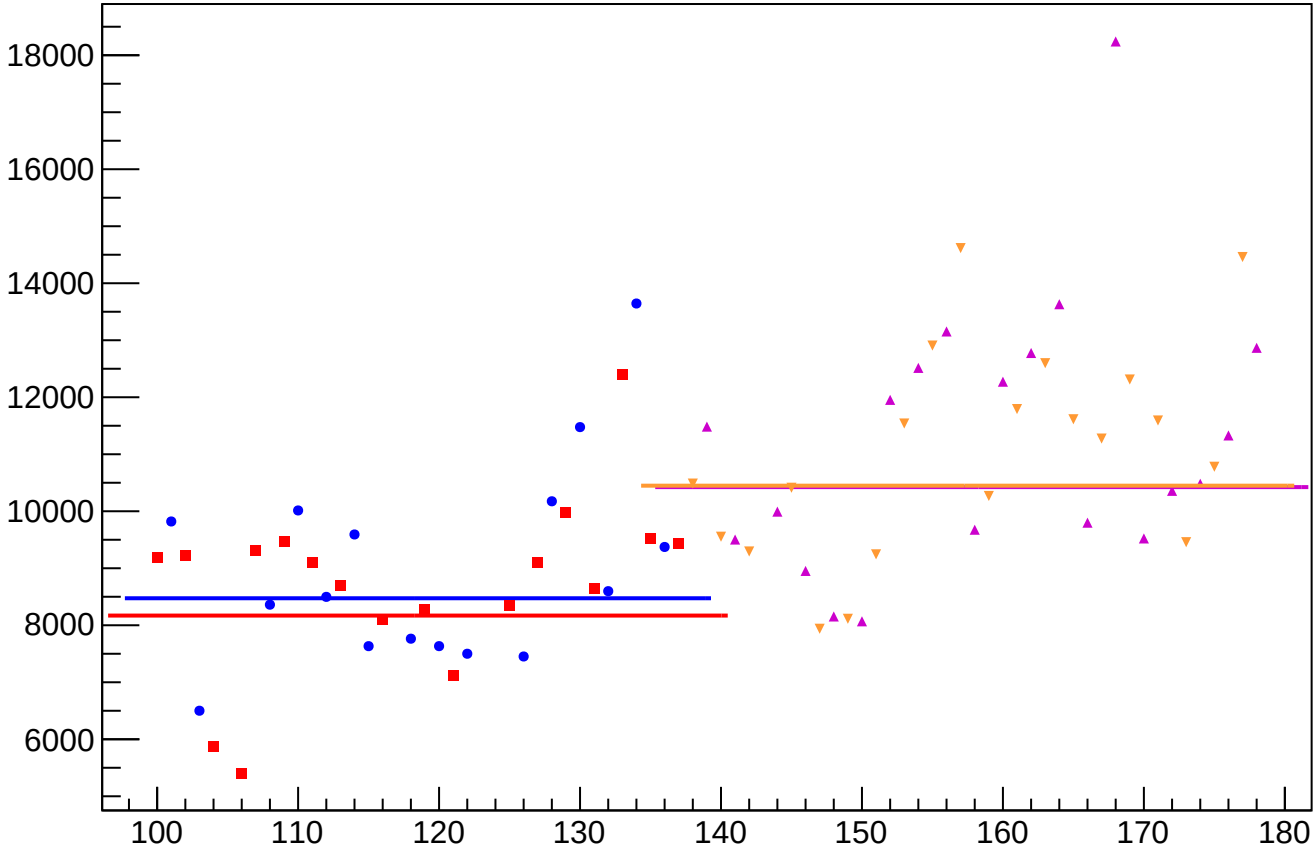
Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -242.866+/-2034.814 χ^2/NDF:26.8/35

Out: 26.703+/-2026.636 χ^2/NDF:42.8/37

All: -107.539+/-1435.931 χ^2/NDF: 69.6/73

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10448.772+/-1.894 χ^2/NDF:848051.8/19

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10423.478+/-1.861 χ^2/NDF:1081277.8/19

Left: 10435.903+/-1.327 χ^2/NDF: 1929420.4/39

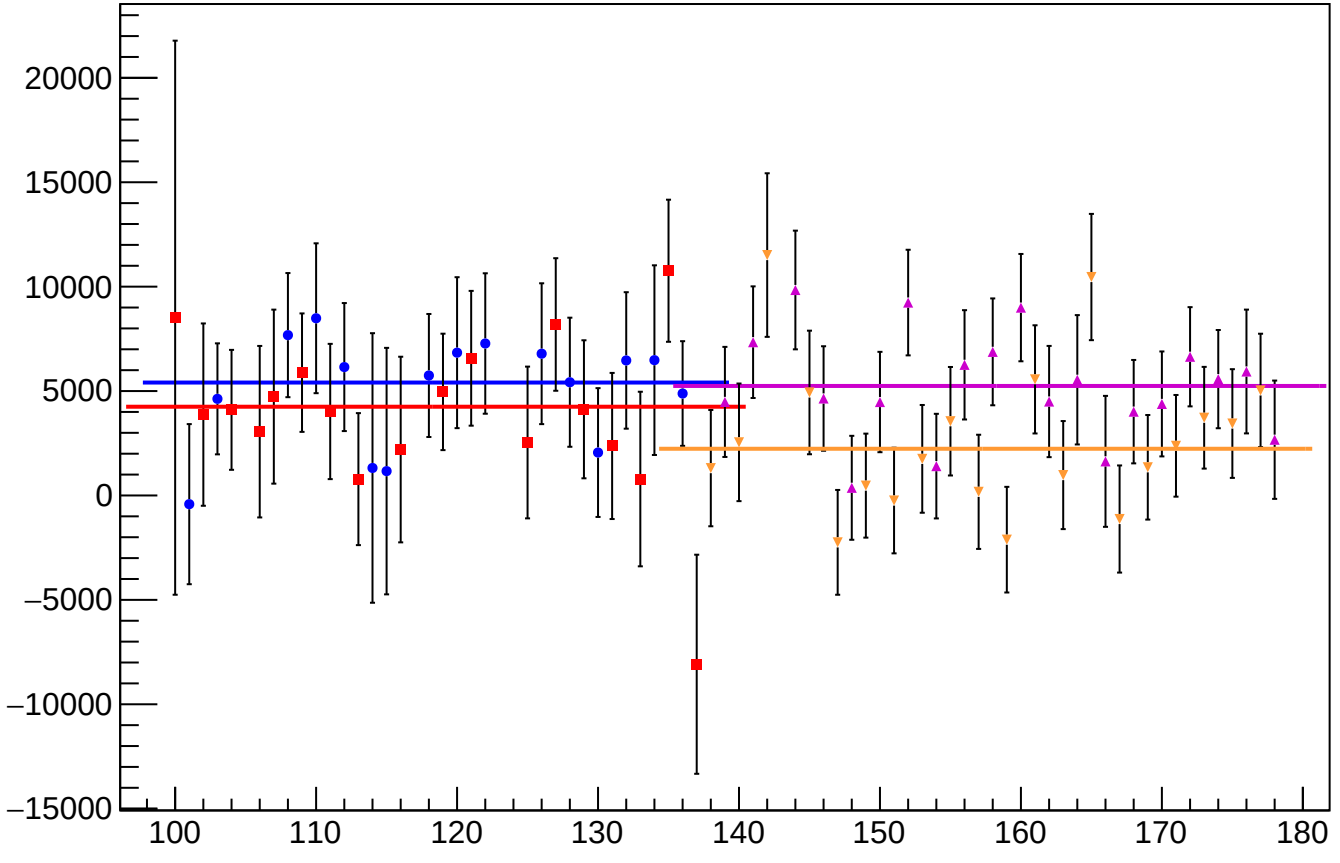
Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 9639.300+/-1.439 χ^2/NDF:1952322.8/35

Out: 9474.821+/-1.433 χ^2/NDF:2006787.8/37

All: 9556.729+/-1.015 χ^2/NDF: 3965670.7/73

dit_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 2236.571+/-593.532 χ^2/NDF:27.8/19

Right Out: 4249.899+/-839.336 χ^2/NDF: 14.5/17

Left In: 5244.275+/-583.949 χ^2/NDF:17.9/19

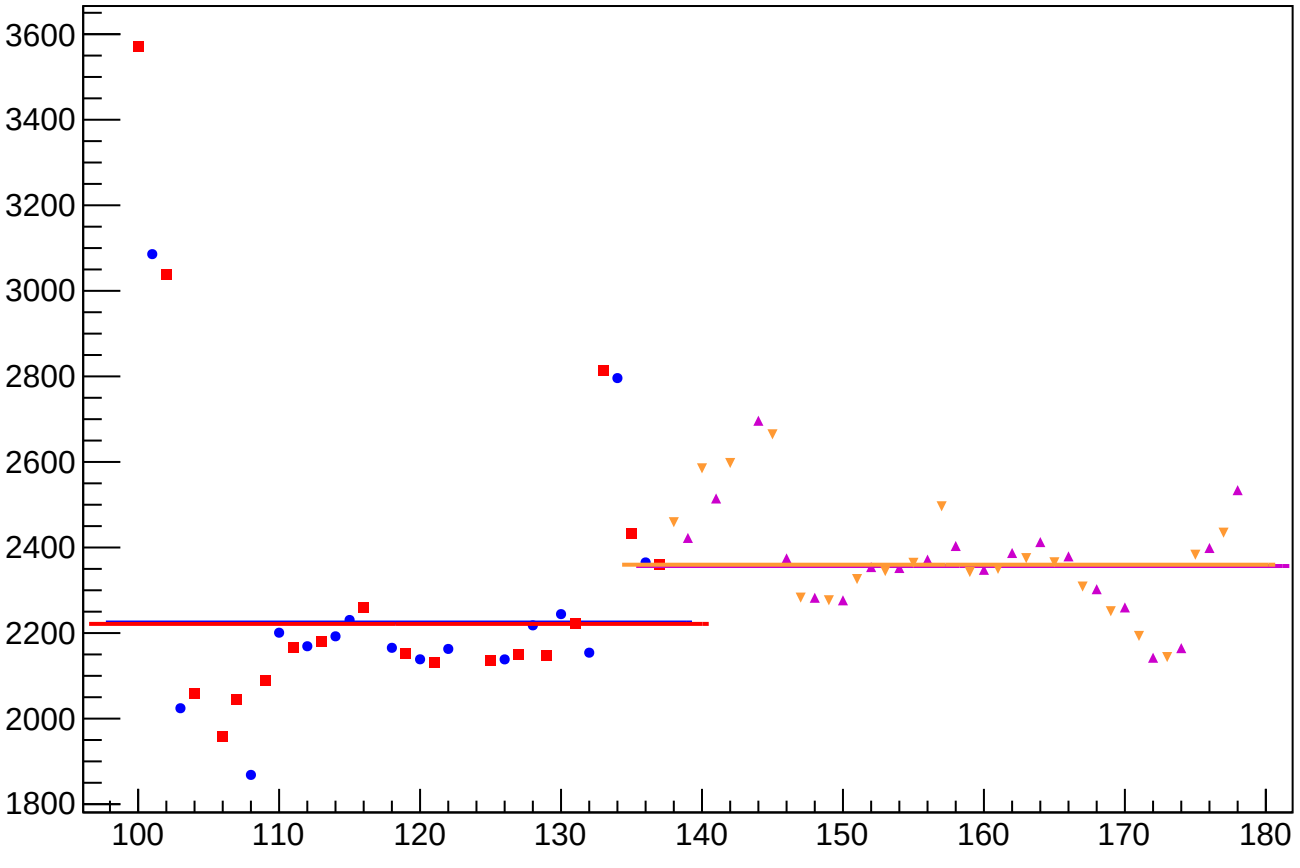
Left: 3764.900+/-416.261 χ^2/NDF: 58.7/39

Right: 4832.791+/-591.493 χ^2/NDF: 22.2/33

In: 5298.119+/-478.291 χ^2/NDF:24.6/35

Out: 2907.729+/-484.608 χ^2/NDF:46.1/37

All: 4118.606+/-340.414 χ^2/NDF: 83.1/73



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: 2356.735+/-0.413 χ^2/NDF:84445.4/19

Left: 2358.248+/-0.294 χ^2/NDF: 169432.3/39

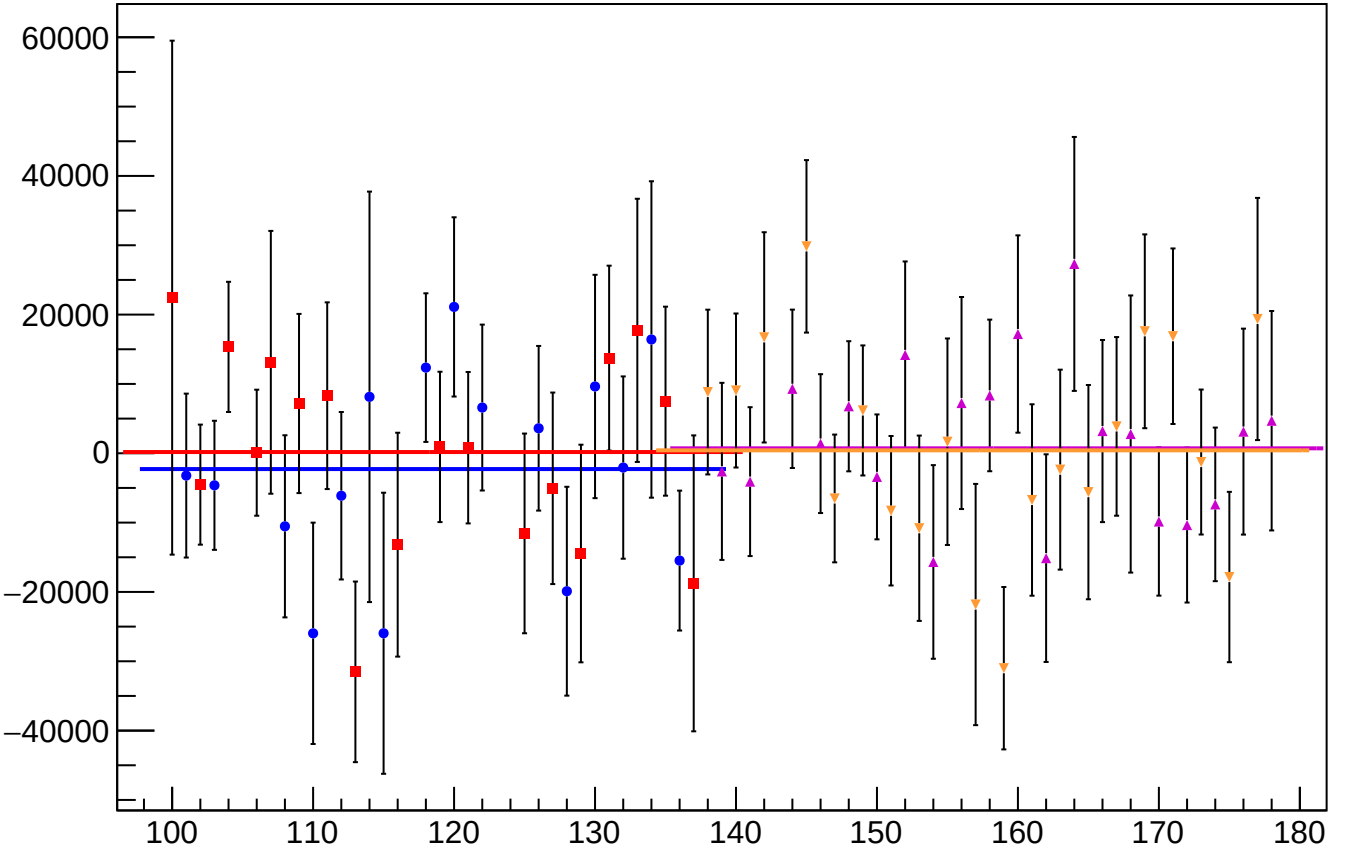
Right: 2223.029+/-0.418 χ^2/NDF: 354638.7/33

In: 2313.249+/-0.338 χ^2/NDF:302822.8/35

Out: 2313.641+/-0.343 χ^2/NDF:291177.7/37

All: 2313.443+/-0.241 χ^2/NDF: 594001.2/73

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: 712.810+/-2736.836 χ^2/NDF:11.7/19

Left: 570.282+/-1951.264 χ^2/NDF: 37.9/39

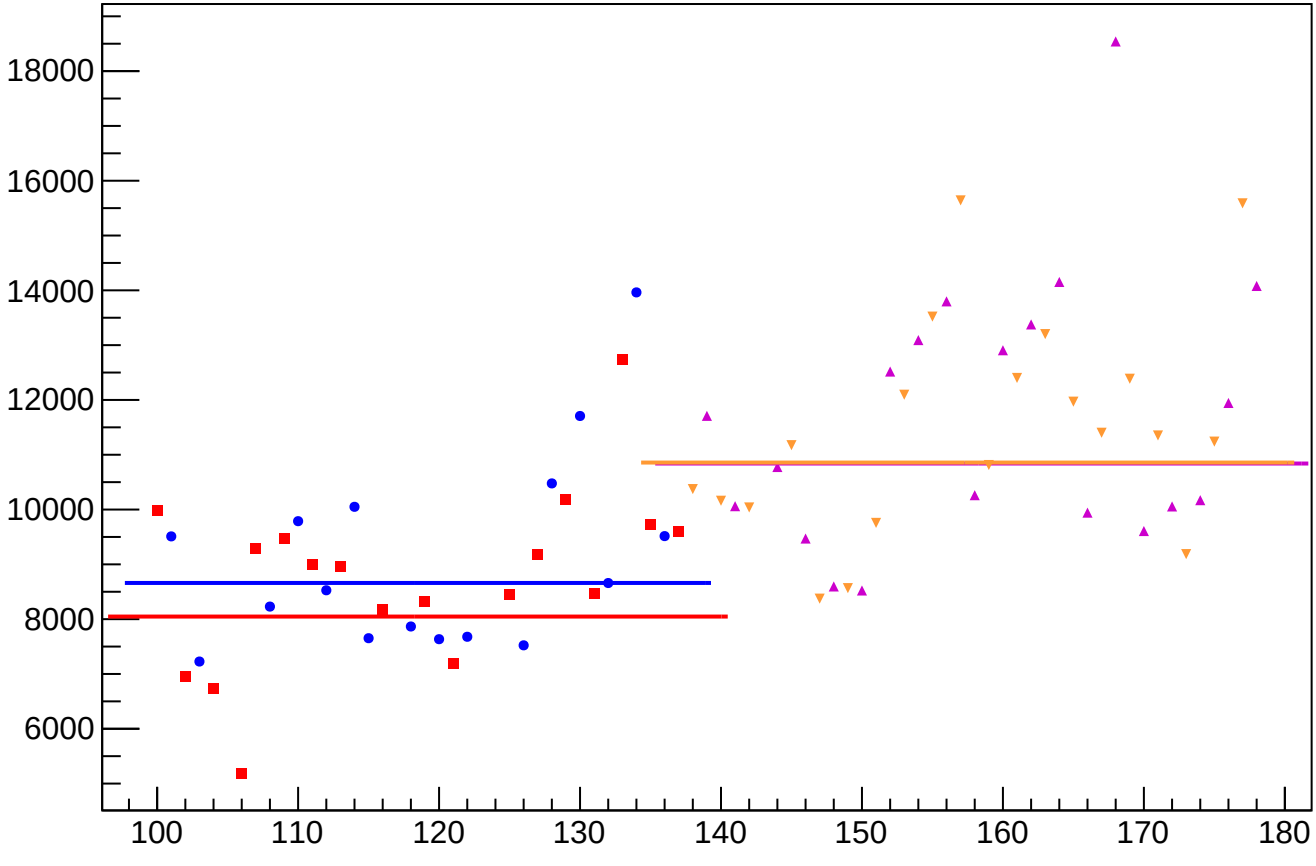
Right: -958.805+/-2225.203 χ^2/NDF: 30.4/33

In: -518.614+/-2099.217 χ^2/NDF:26.7/35

Out: 310.635+/-2051.199 χ^2/NDF:41.8/37

All: -94.397+/-1467.099 χ^2/NDF: 68.6/73

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 8660.733+/-2.313 χ^2/NDF: 357961.9/15

Left Out: 10857.631+/-1.968 χ^2/NDF:854667.1/19

Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10839.817+/-1.935 χ^2/NDF:1077203.7/19

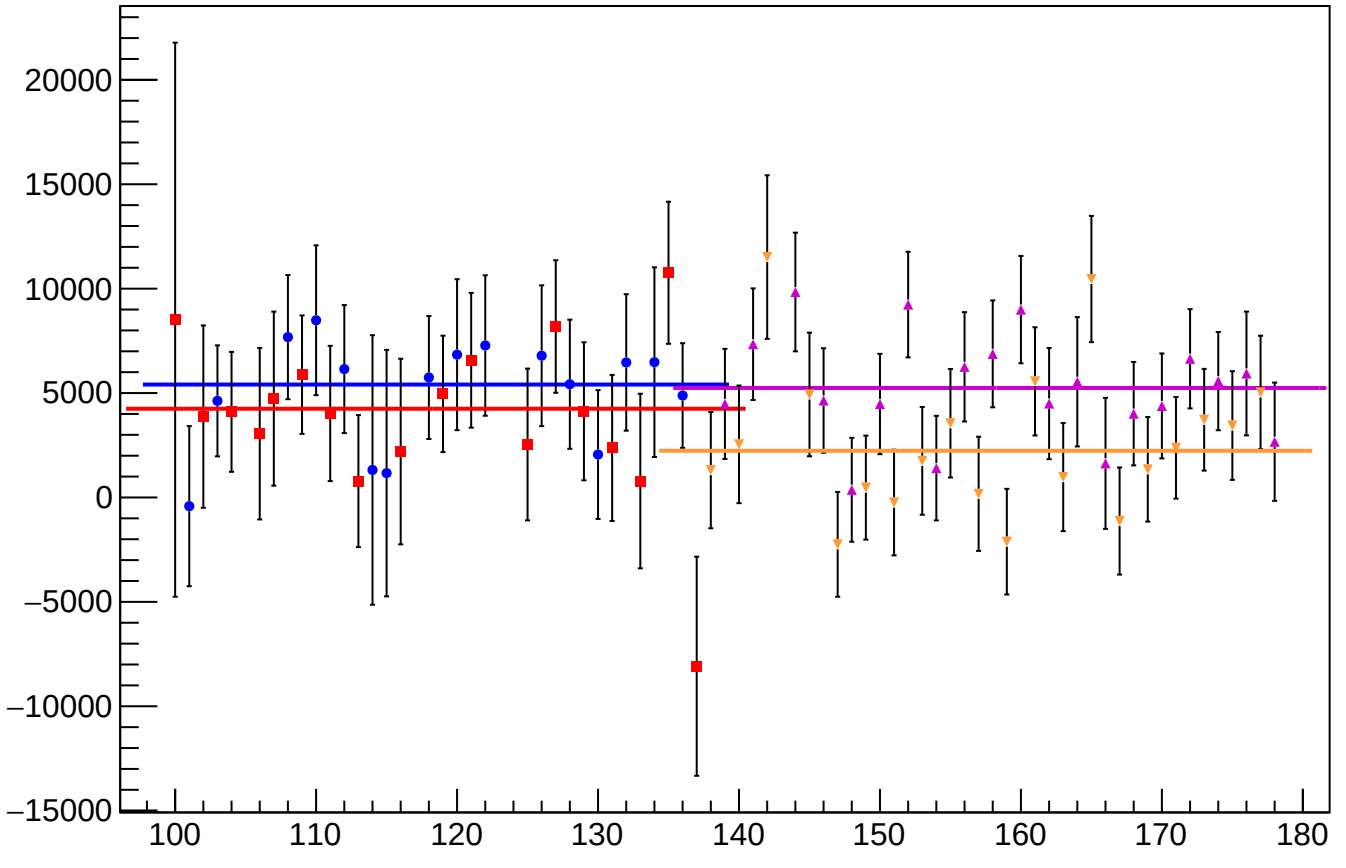
Left: 10848.576+/-1.380 χ^2/NDF: 1931912.5/39

Right: 8331.143+/-1.573 χ^2/NDF: 954287.2/33

In: 9942.742+/-1.484 χ^2/NDF:1957123.3/35

Out: 9574.328+/-1.450 χ^2/NDF:2344645.8/37

All: 9754.273+/-1.037 χ^2/NDF: 4333282.2/73



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: 5244.281+/-583.950 χ^2/NDF:17.9/19

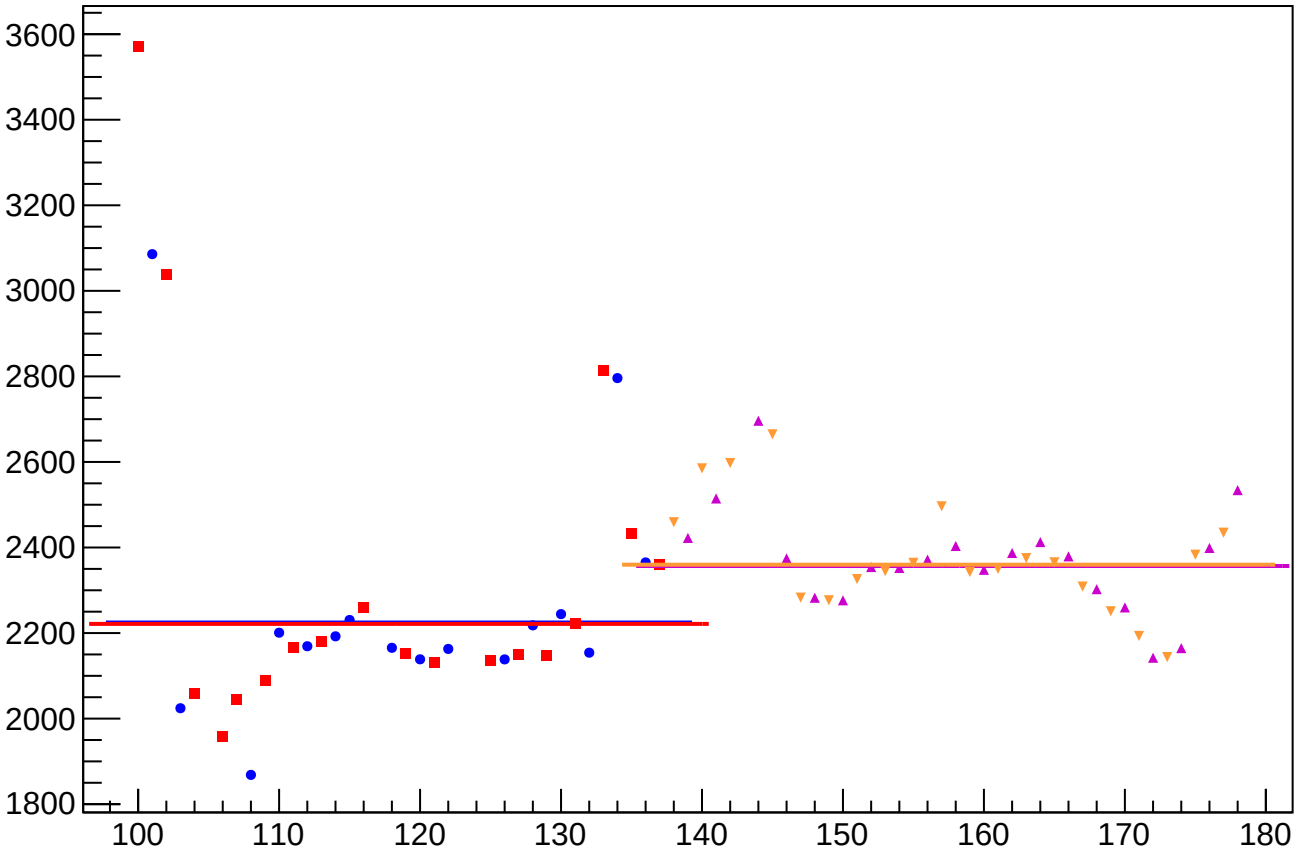
Left: 3764.898+/-416.262 χ^2/NDF: 58.7/39

Right: 4832.794+/-591.493 χ^2/NDF: 22.2/33

In: 5298.124+/-478.291 χ^2/NDF:24.6/35

Out: 2907.725+/-484.609 χ^2/NDF:46.1/37

All: 4118.607+/-340.414 χ^2/NDF: 83.1/73



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: 2356.738+/-0.413 χ^2/NDF:84449.4/19

Left: 2358.251+/-0.294 χ^2/NDF: 169439.9/39

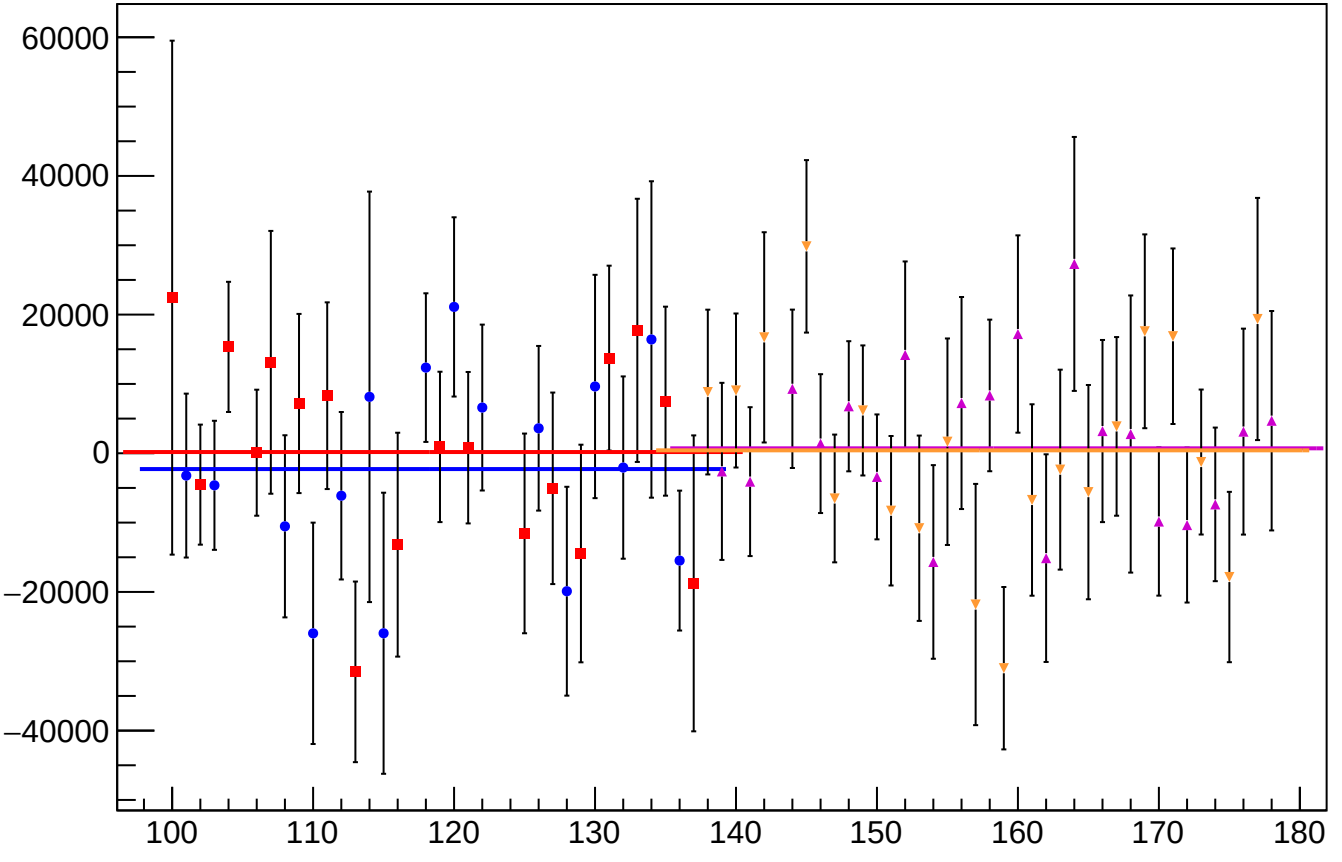
Right: 2223.029+/-0.418 χ^2/NDF: 354639.0/33

In: 2313.251+/-0.338 χ^2/NDF:302828.9/35

Out: 2313.643+/-0.343 χ^2/NDF:291183.1/37

All: 2313.444+/-0.241 χ^2/NDF: 594012.7/73

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -2278.418+/-3271.742 χ^2/NDF: 14.5/15

Left Out: 422.925+/-2782.750 χ^2/NDF:26.1/19

Right Out: 177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: 712.810+/-2736.841 χ^2/NDF:11.7/19

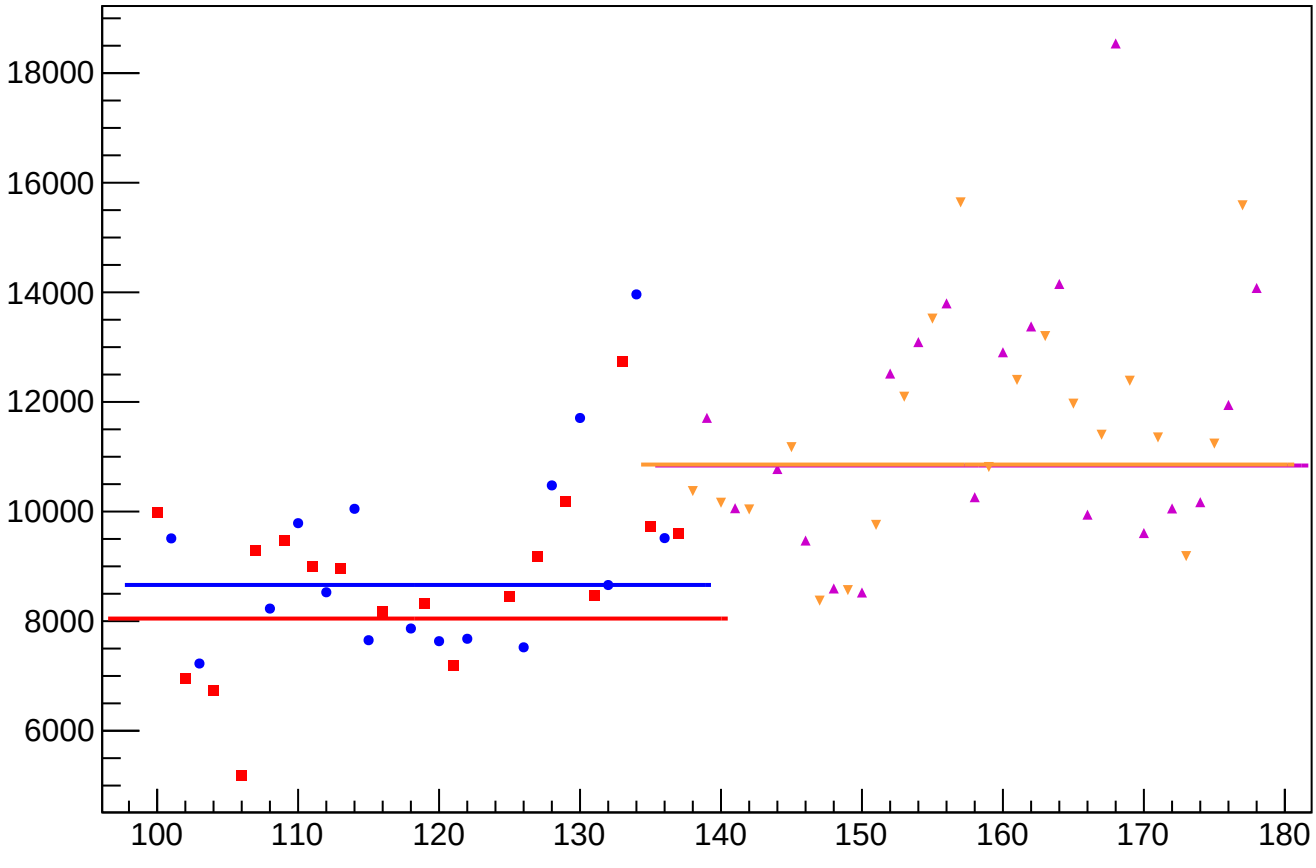
Left: 570.279+/-1951.267 χ^2/NDF: 37.9/39

Right: -958.792+/-2225.198 χ^2/NDF: 30.4/33

In: -518.610+/-2099.217 χ^2/NDF:26.7/35

Out: 310.633+/-2051.199 χ^2/NDF:41.8/37

All: -94.396+/-1467.099 χ^2/NDF: 68.6/73



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: 10839.834+/-1.935 χ^2/NDF:1077206.3/19

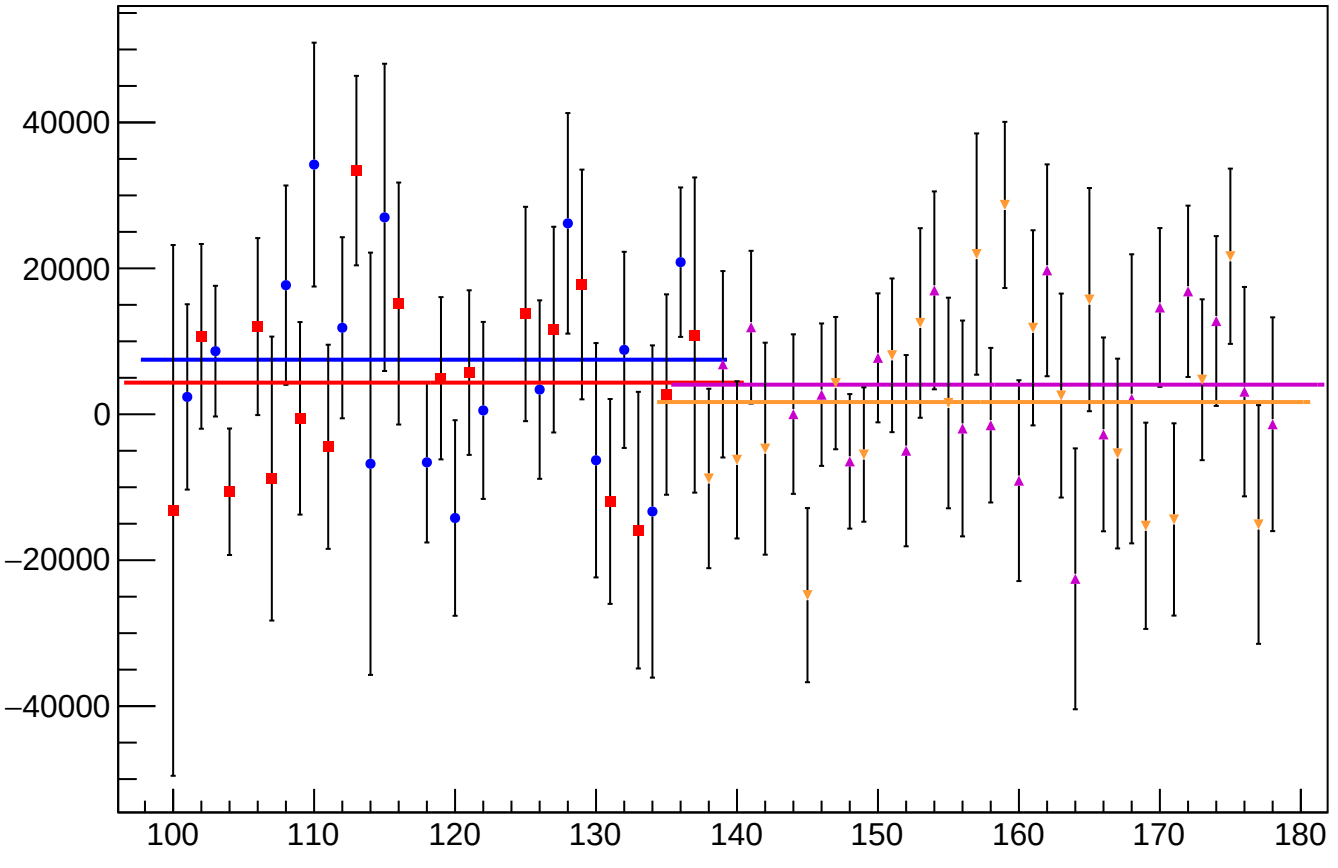
Left: 10848.593+/-1.380 χ^2/NDF: 1931916.5/39

Right: 8331.123+/-1.573 χ^2/NDF: 954287.4/33

In: 9942.739+/-1.484 χ^2/NDF:1957147.0/35

Out: 9574.324+/-1.450 χ^2/NDF:2344670.0/37

All: 9754.270+/-1.037 χ^2/NDF: 4333330.3/73



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: 4058.005+/-2698.078 χ^2/NDF:11.5/19

Left: 2888.600+/-1924.569 χ^2/NDF: 35.7/39

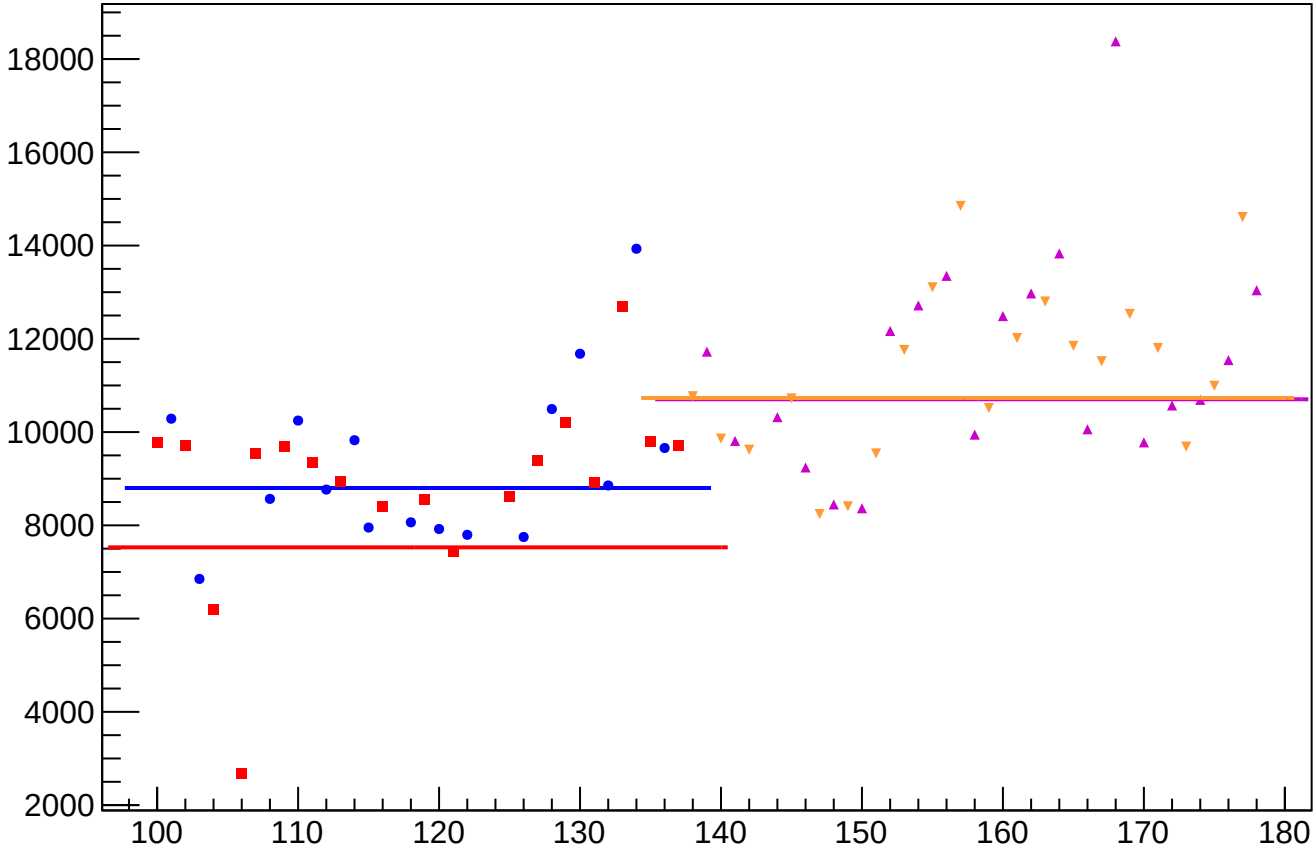
Right: 5867.751+/-2323.467 χ^2/NDF: 28.8/33

In: 5414.426+/-2096.568 χ^2/NDF:26.1/35

Out: 2788.571+/-2095.570 χ^2/NDF:38.5/37

All: 4100.873+/-1482.144 χ^2/NDF: 65.4/73

asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 10731.587+/-1.942 χ^2/NDF:777406.7/19

Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 10703.141+/-1.908 χ^2/NDF:998667.1/19

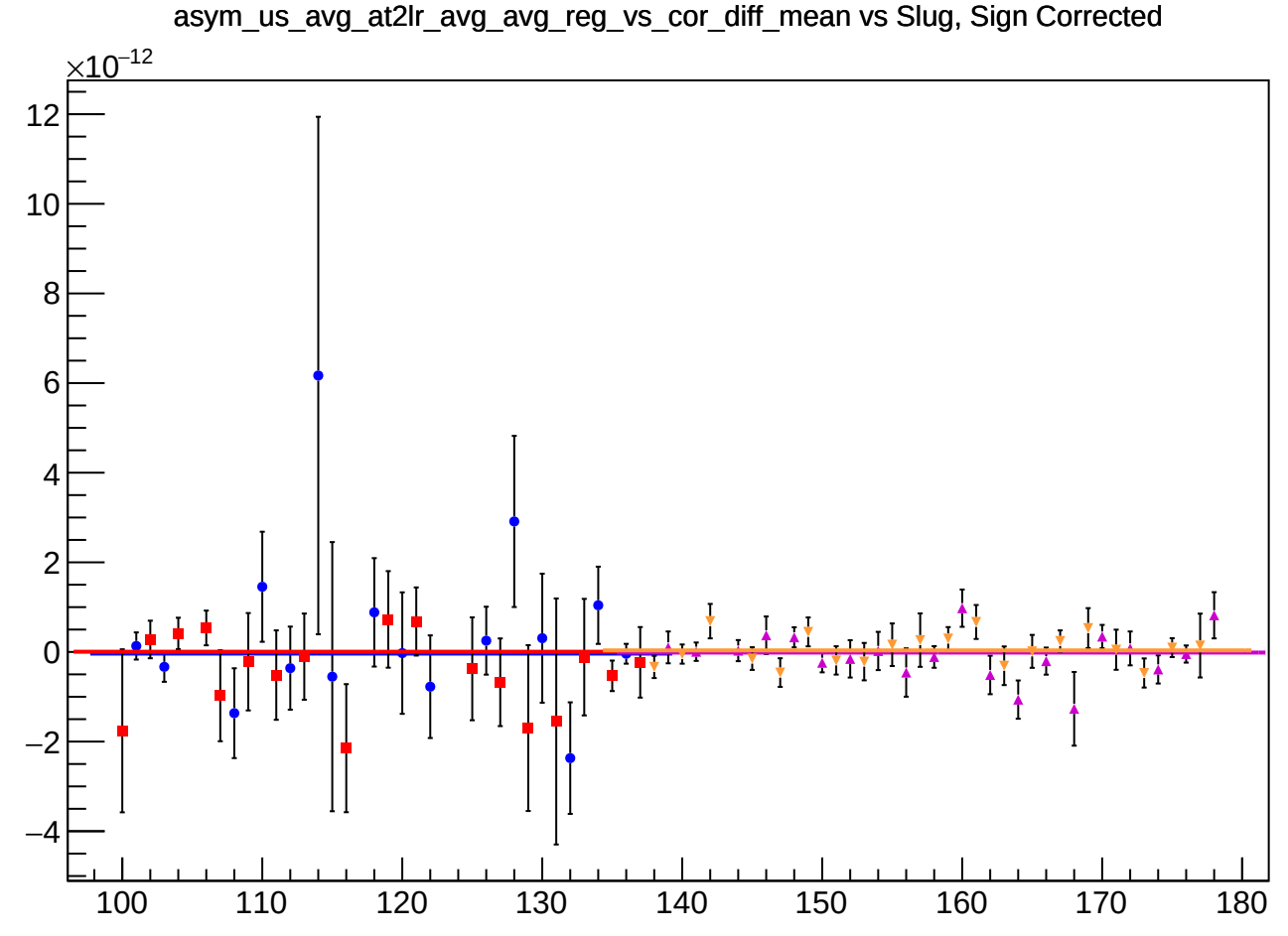
Left: 10717.113+/-1.361 χ^2/NDF: 1776183.1/39

Right: 8100.150+/-1.579 χ^2/NDF: 2212756.1/33

In: 9949.573+/-1.482 χ^2/NDF:1787036.1/35

Out: 9276.243+/-1.434 χ^2/NDF:3671333.6/37

All: 9601.824+/-1.031 χ^2/NDF: 5564908.8/73



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.000 χ^2/NDF:27.2/19

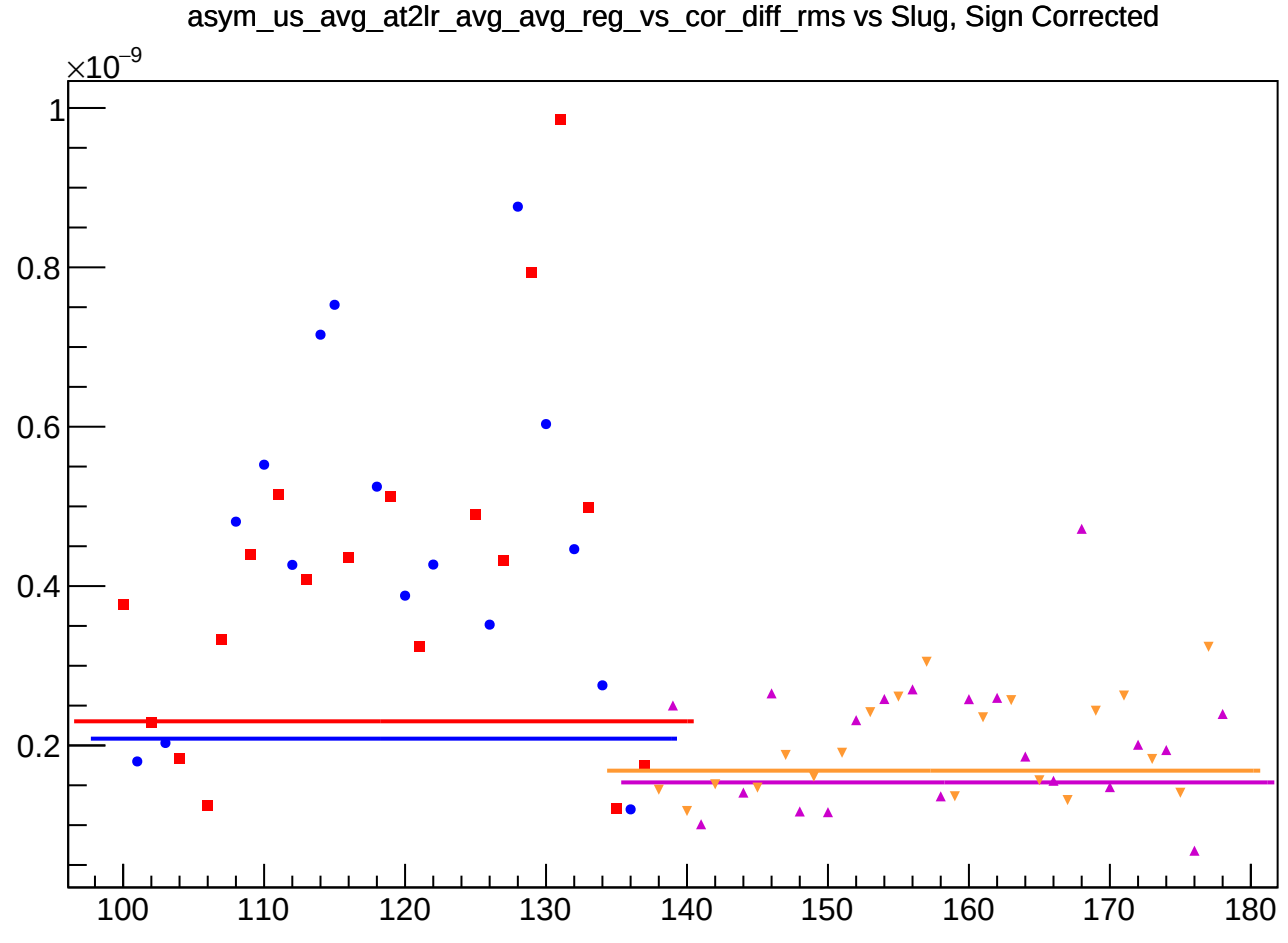
Left: 0.000+/-0.000 χ^2/NDF: 47.3/39

Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: -0.000+/-0.000 χ^2/NDF:41.5/35

Out: 0.000+/-0.000 χ^2/NDF:33.6/37

All: 0.000+/-0.000 χ^2/NDF: 75.4/73



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:1917170.2/19

Left: 0.000+/-0.000 χ^2/NDF: 2881571.9/39

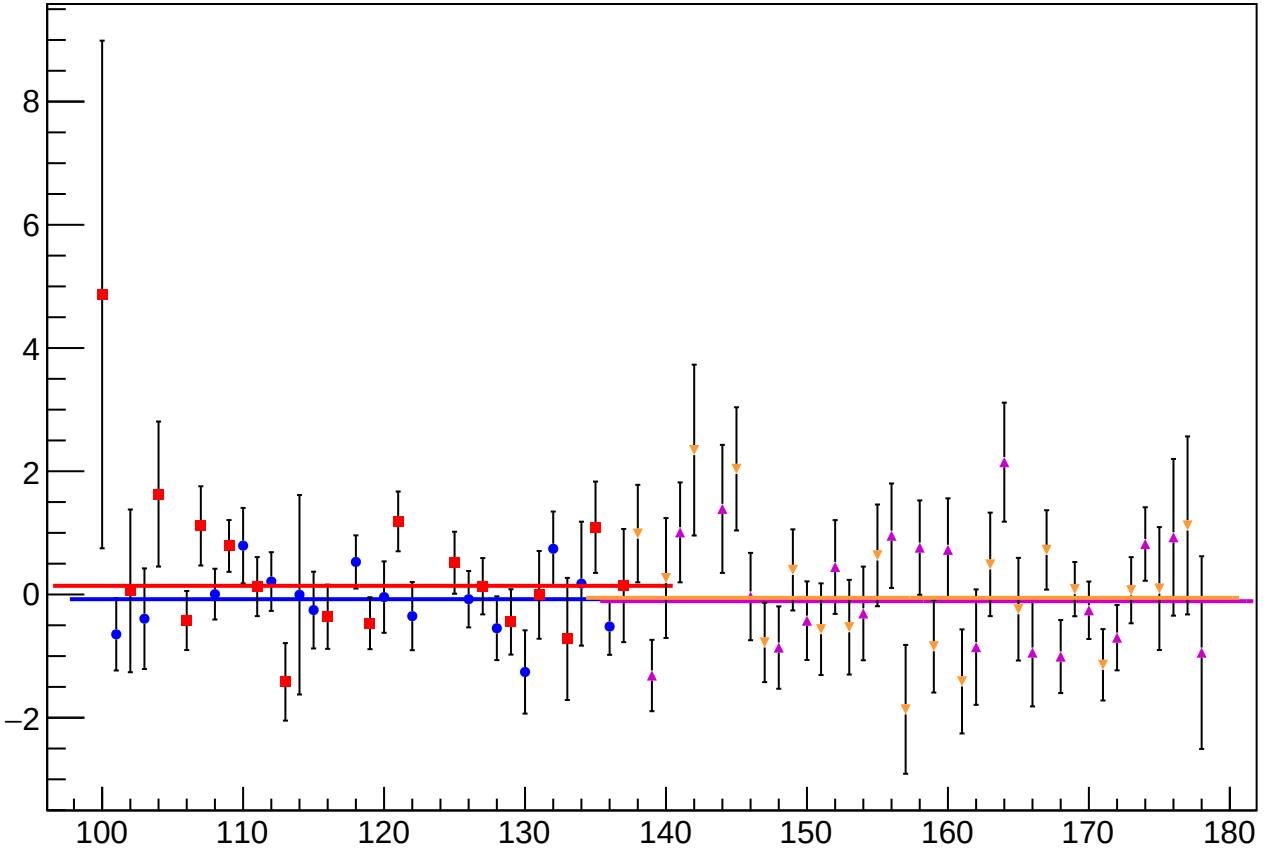
Right: 0.000+/-0.000 χ^2/NDF: 3215206.8/33

In: 0.000+/-0.000 χ^2/NDF:3794485.9/35

Out: 0.000+/-0.000 χ^2/NDF:2740326.6/37

All: 0.000+/-0.000 χ^2/NDF: 6593416.2/73

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: -0.109+/-0.161 χ^2/NDF:28.3/19

Left: -0.083+/-0.116 χ^2/NDF: 53.8/39

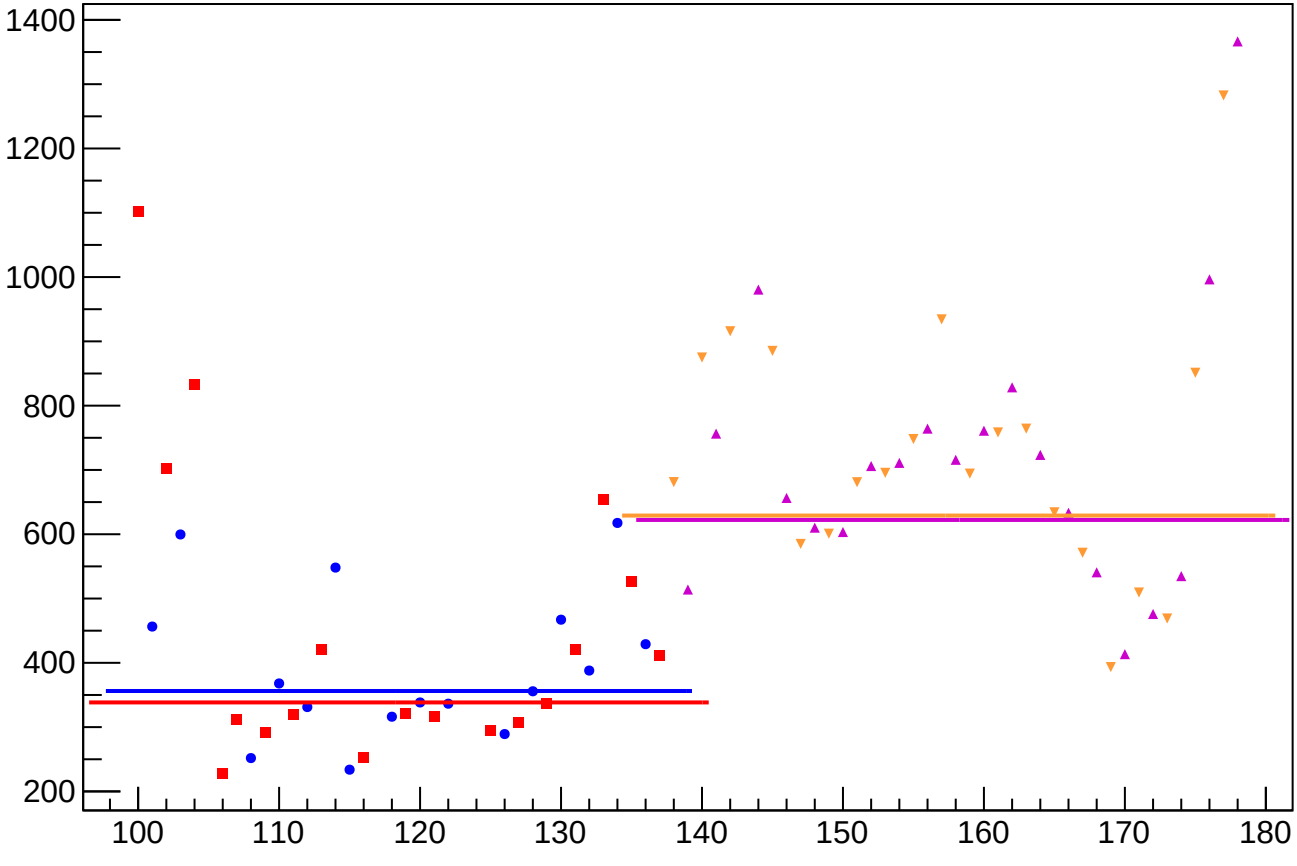
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.090+/-0.106 χ^2/NDF:40.8/35

Out: 0.061+/-0.106 χ^2/NDF:53.3/37

All: -0.015+/-0.075 χ^2/NDF: 95.1/73

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 629.062+/-0.117 χ^2/NDF:2077877.8/19

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 622.232+/-0.114 χ^2/NDF:1941491.4/19

Left: 625.549+/-0.082 χ^2/NDF: 4021112.1/39

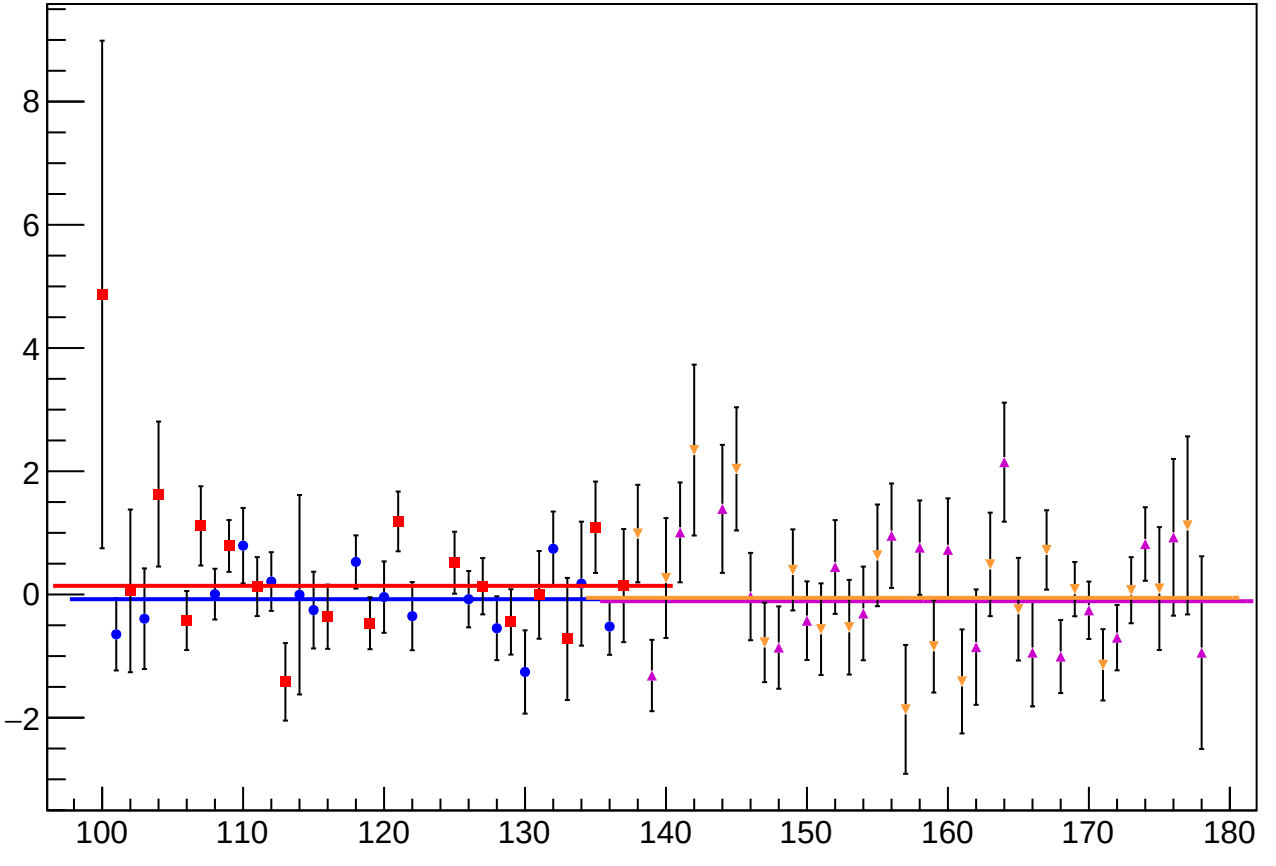
Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 470.446+/-0.075 χ^2/NDF:5832740.2/35

Out: 457.207+/-0.075 χ^2/NDF:6908848.9/37

All: 463.853+/-0.053 χ^2/NDF: 12757222.8/73

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: -0.109+/-0.161 χ^2/NDF:28.3/19

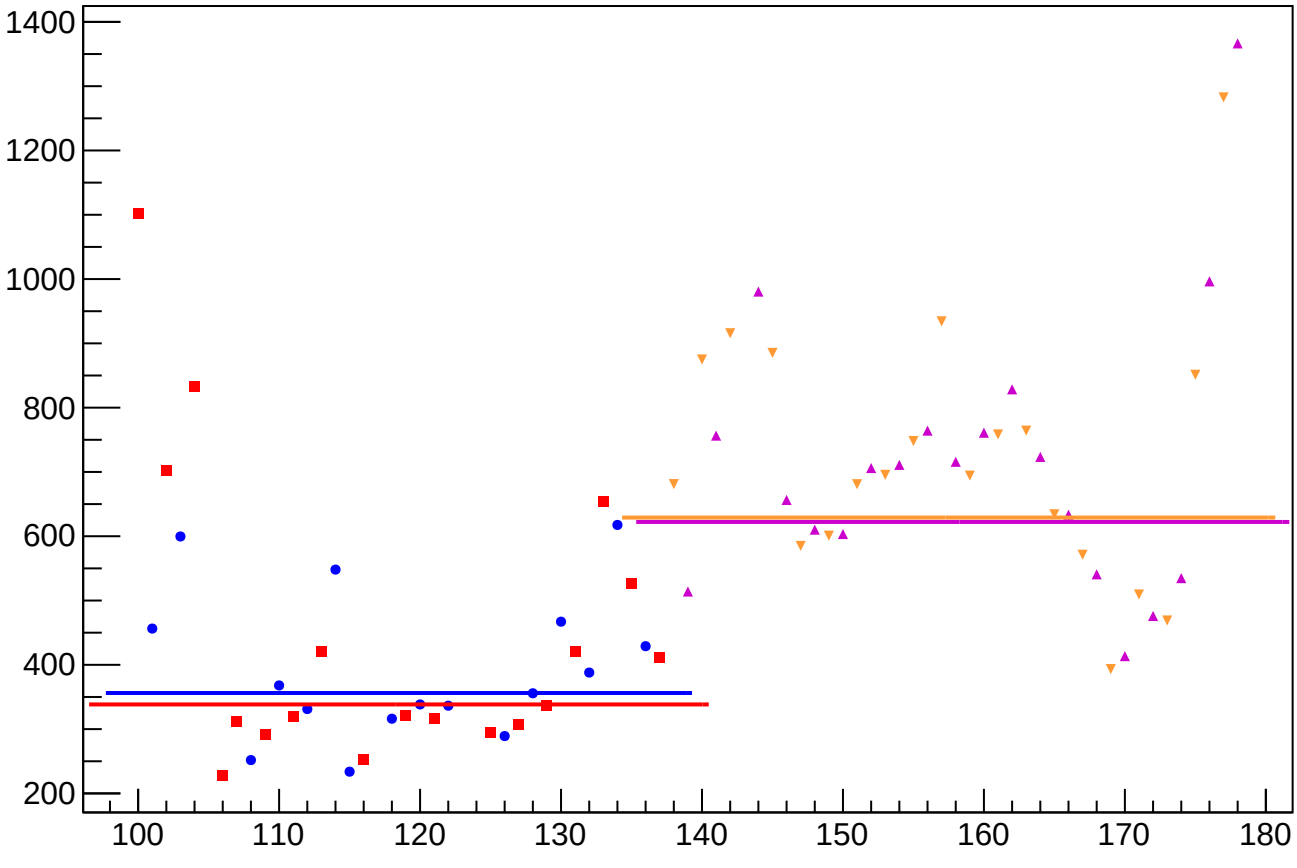
Left: -0.083+/-0.116 χ^2/NDF: 53.8/39

Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.090+/-0.106 χ^2/NDF:40.8/35

Out: 0.061+/-0.106 χ^2/NDF:53.3/37

All: -0.015+/-0.075 χ^2/NDF: 95.1/73



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: 622.232+/-0.114 χ^2/NDF:1941491.4/19

Left: 625.549+/-0.082 χ^2/NDF: 4021112.1/39

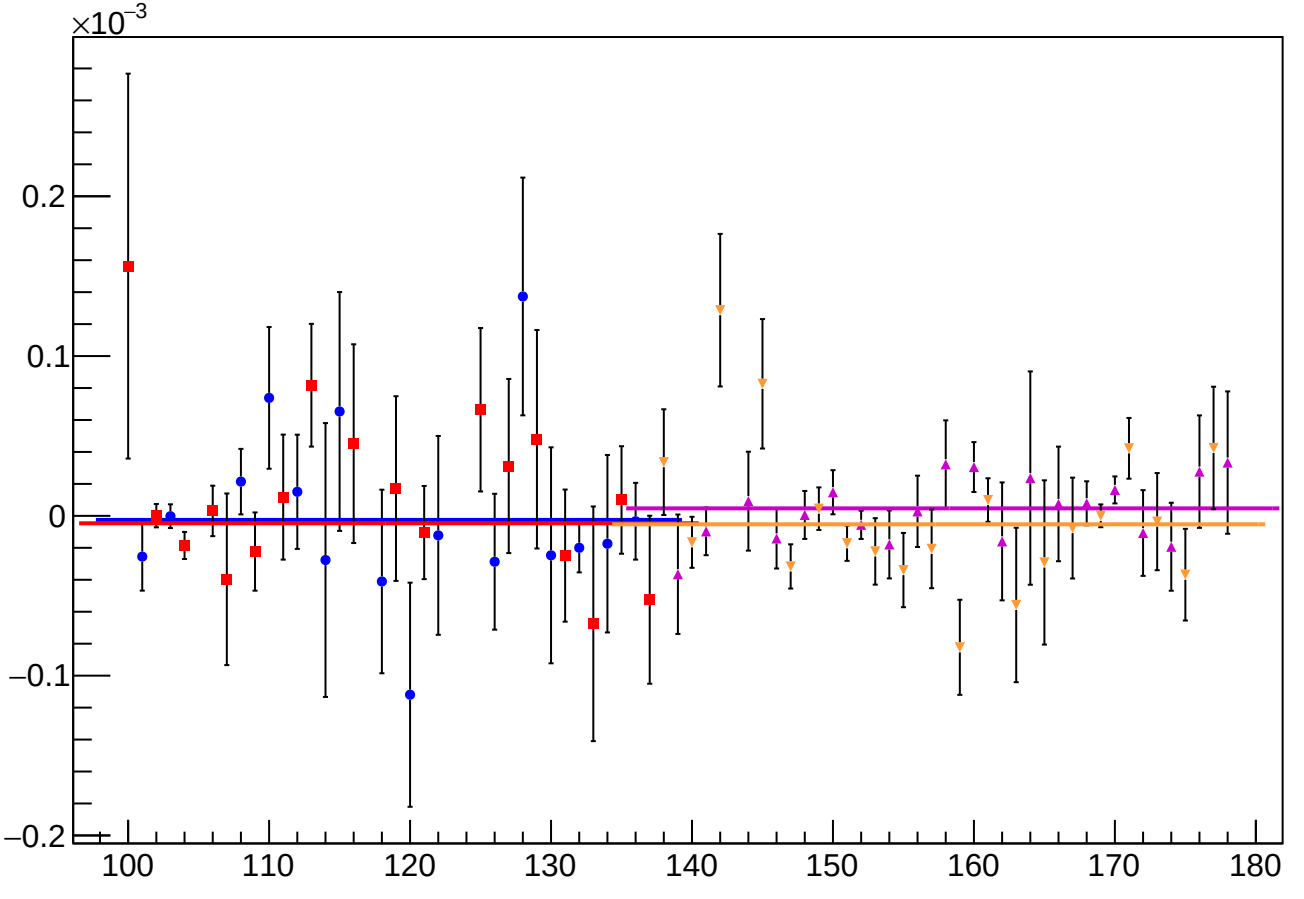
Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 470.446+/-0.075 χ^2/NDF:5832740.2/35

Out: 457.207+/-0.075 χ^2/NDF:6908848.9/37

All: 463.853+/-0.053 χ^2/NDF: 12757222.8/73

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



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:14.3/19

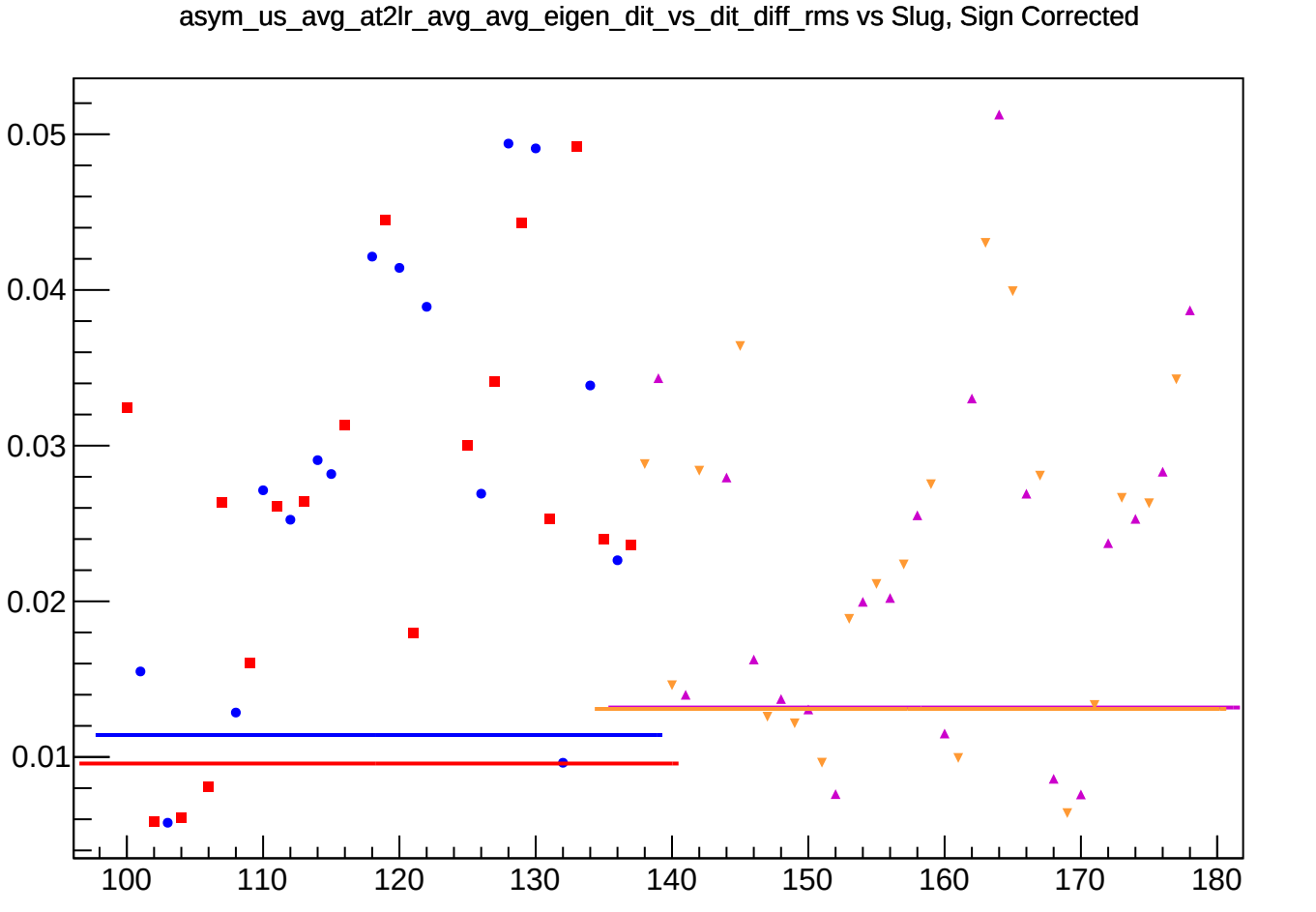
Left: -0.000+/-0.000 χ^2/NDF: 58.7/39

Right: -0.000+/-0.000 χ^2/NDF: 32.2/33

In: 0.000+/-0.000 χ^2/NDF:30.4/35

Out: -0.000+/-0.000 χ^2/NDF:58.3/37

All: -0.000+/-0.000 χ^2/NDF: 91.5/73



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:7114601.6/19

Left: 0.013+/-0.000 χ^2/NDF: 14876042.4/39

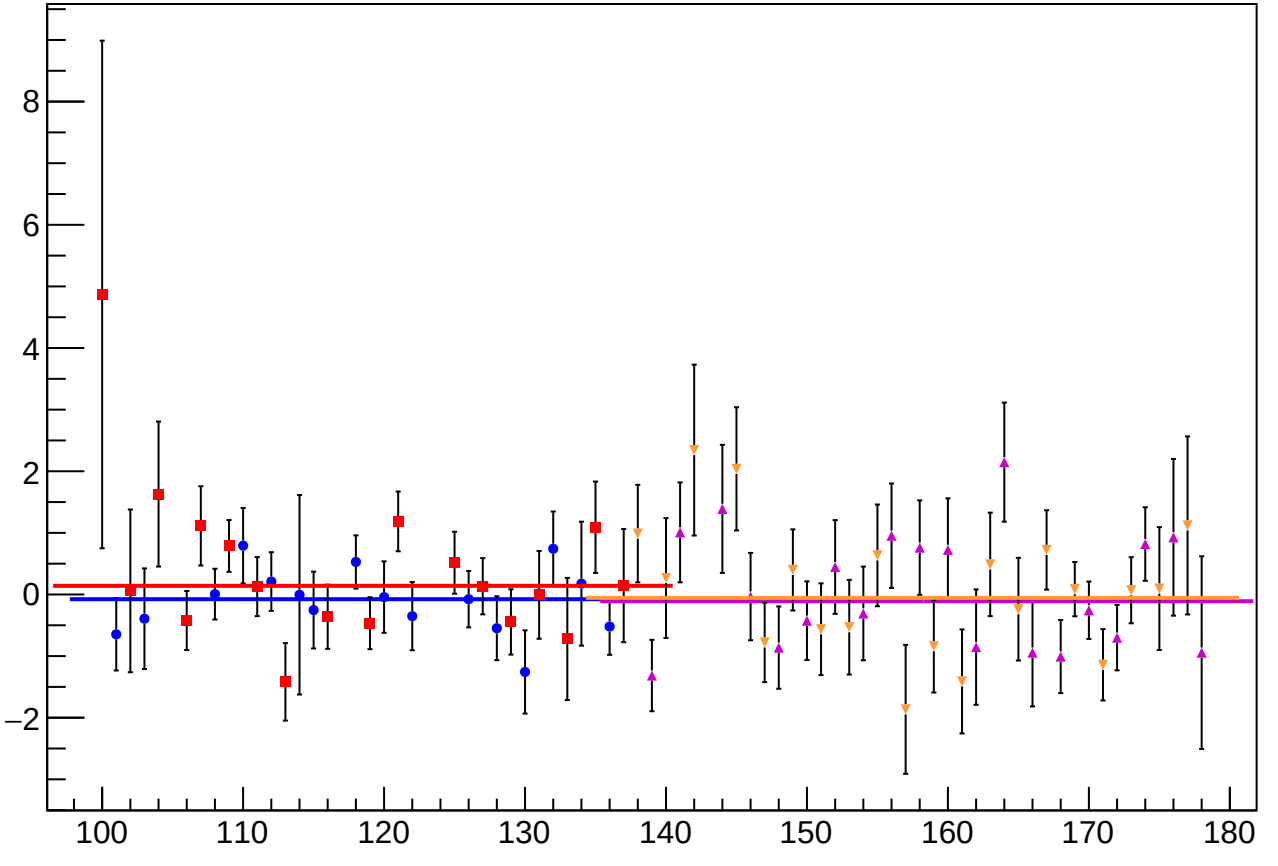
Right: 0.010+/-0.000 χ^2/NDF: 11414181.9/33

In: 0.013+/-0.000 χ^2/NDF:12750682.7/35

Out: 0.012+/-0.000 χ^2/NDF:14199401.7/37

All: 0.012+/-0.000 χ^2/NDF: 27043124.6/73

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: -0.109+/-0.161 χ^2/NDF:28.3/19

Left: -0.083+/-0.116 χ^2/NDF: 53.8/39

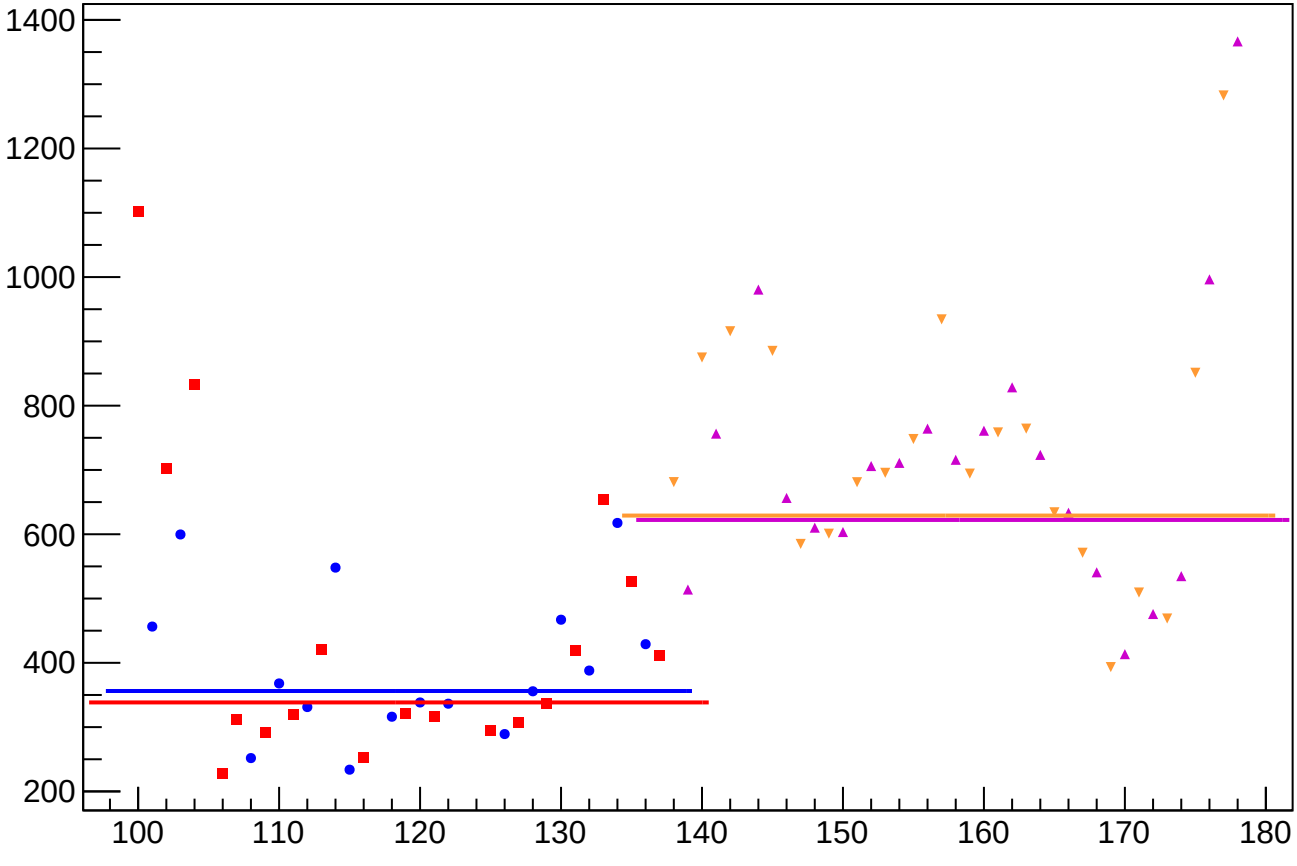
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.090+/-0.106 χ^2/NDF:40.8/35

Out: 0.061+/-0.106 χ^2/NDF:53.3/37

All: -0.015+/-0.075 χ^2/NDF: 95.1/73

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 629.062+/-0.117 χ^2/NDF:2078058.0/19

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 622.235+/-0.114 χ^2/NDF:1941626.9/19

Left: 625.551+/-0.082 χ^2/NDF: 4021426.4/39

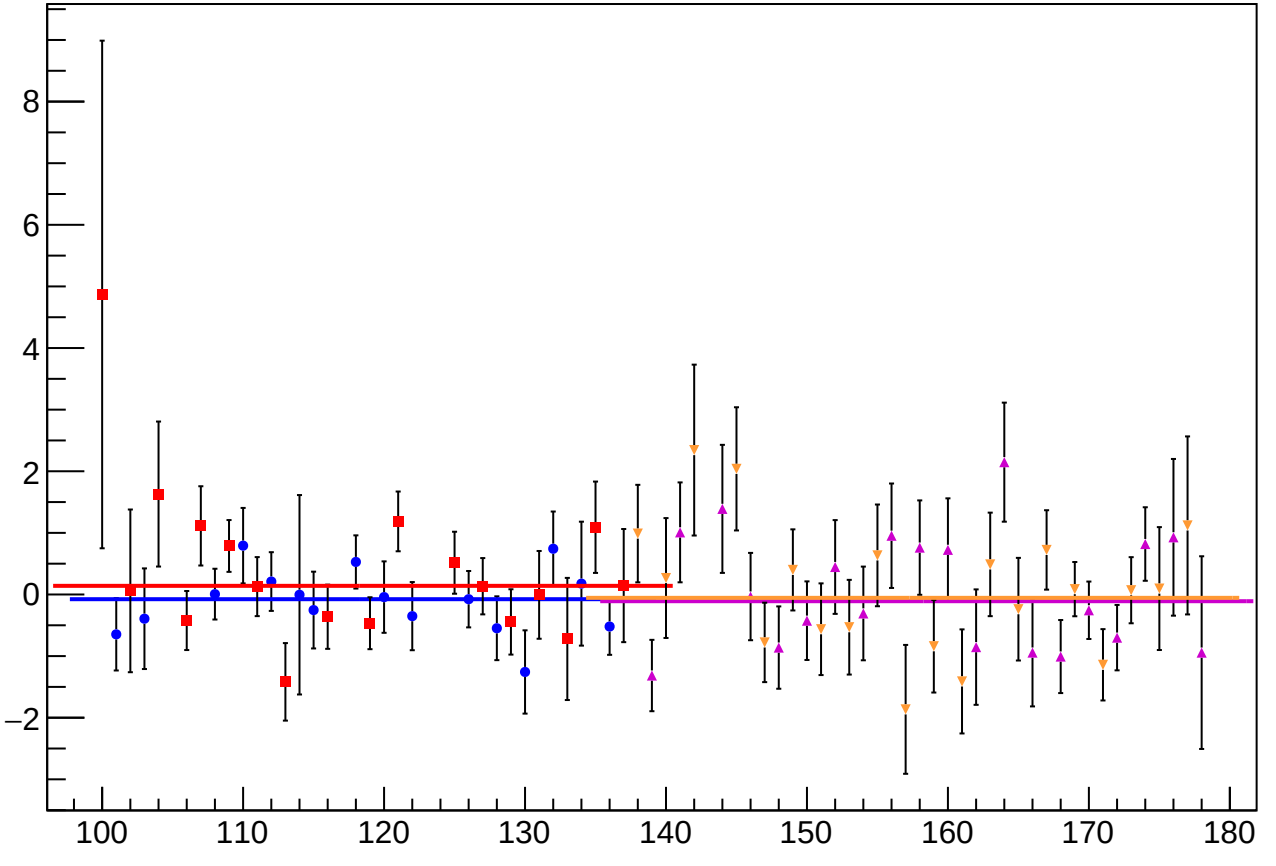
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 470.445+/-0.075 χ^2/NDF:5832926.9/35

Out: 457.205+/-0.075 χ^2/NDF:6909066.5/37

All: 463.851+/-0.053 χ^2/NDF: 12757630.6/73

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: -0.109+/-0.161 χ^2/NDF:28.3/19

Left: -0.083+/-0.116 χ^2/NDF: 53.8/39

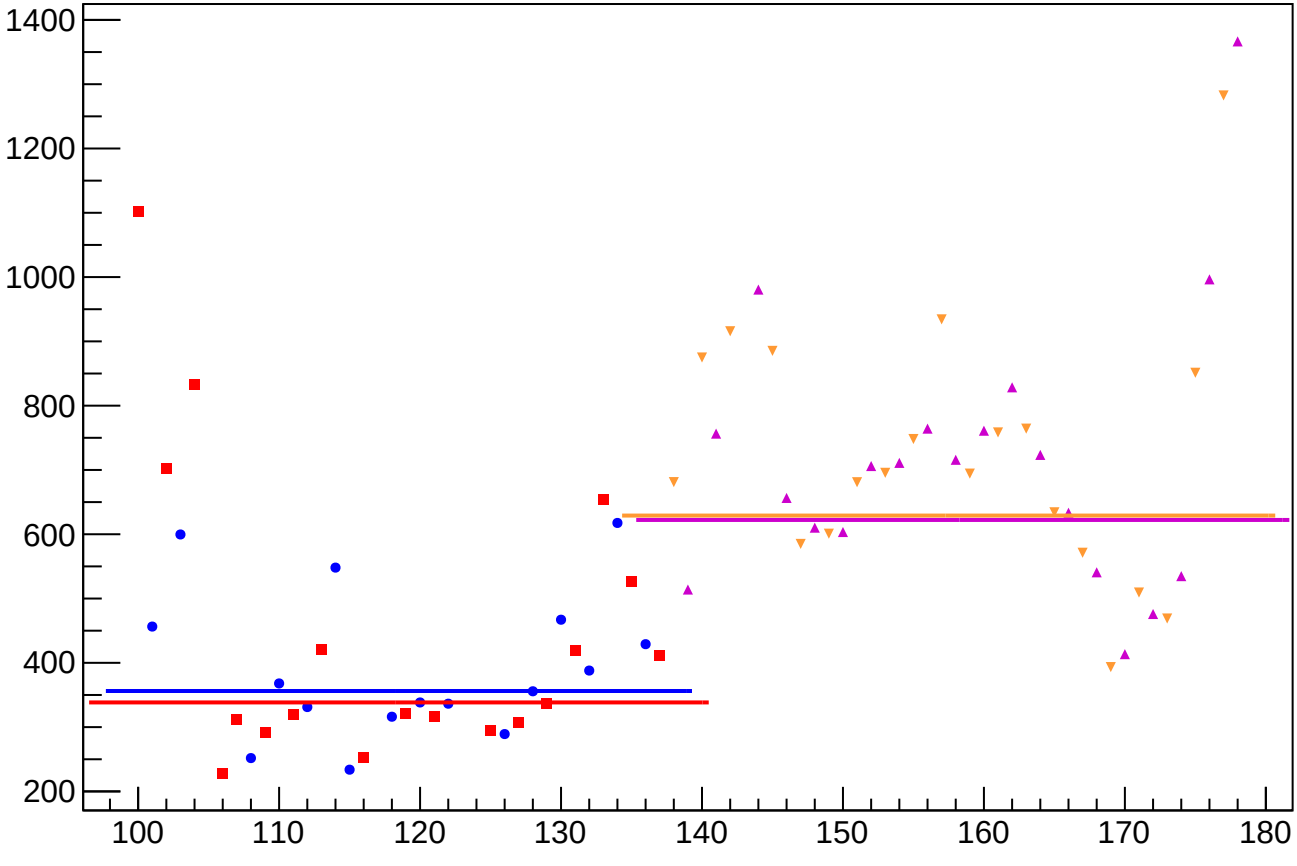
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.090+/-0.106 χ^2/NDF:40.8/35

Out: 0.061+/-0.106 χ^2/NDF:53.3/37

All: -0.015+/-0.075 χ^2/NDF: 95.1/73

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: 622.235+/-0.114 χ^2/NDF:1941626.9/19

Left: 625.551+/-0.082 χ^2/NDF: 4021426.4/39

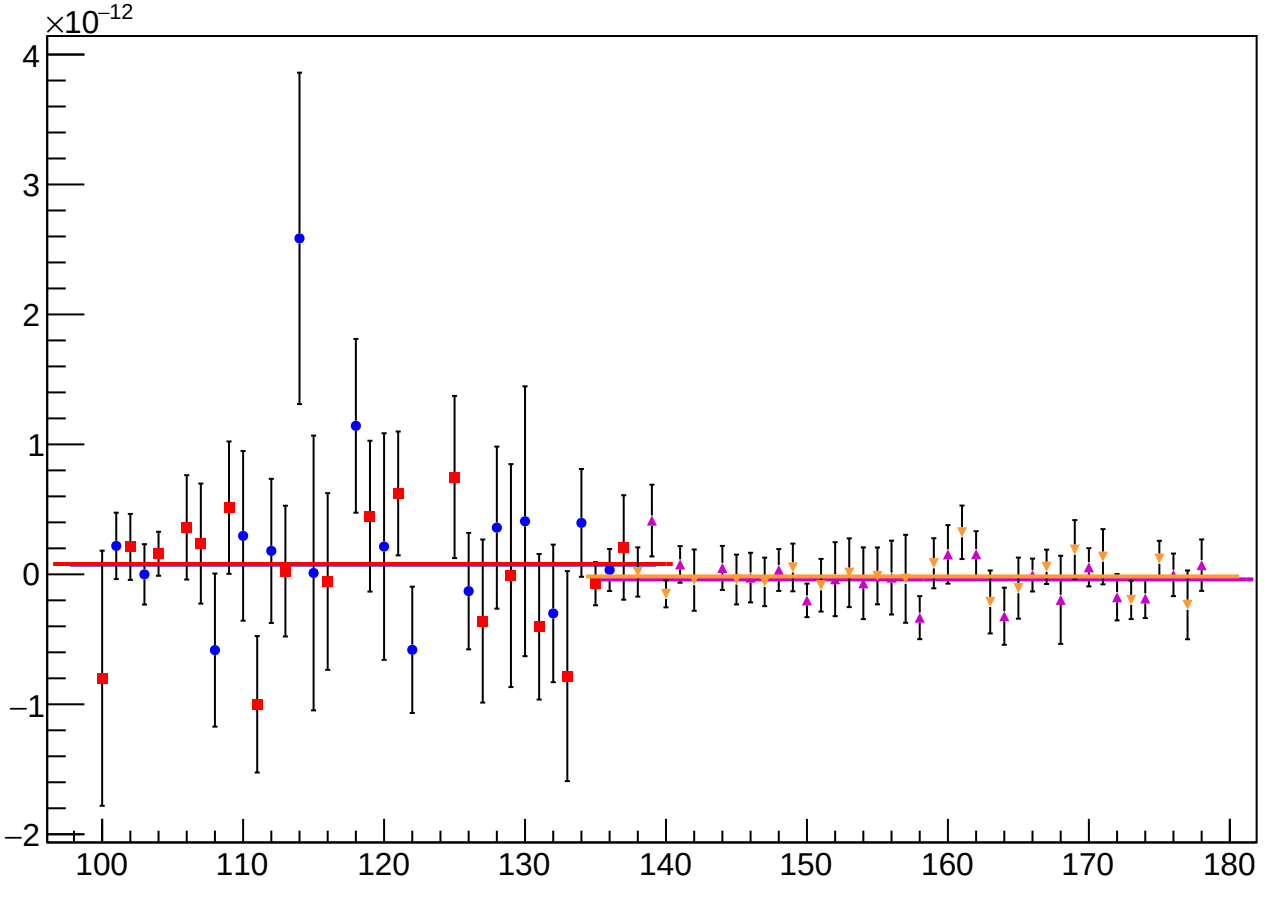
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 470.445+/-0.075 χ^2/NDF:5832926.9/35

Out: 457.205+/-0.075 χ^2/NDF:6909066.5/37

All: 463.851+/-0.053 χ^2/NDF: 12757630.6/73

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:14.8/19

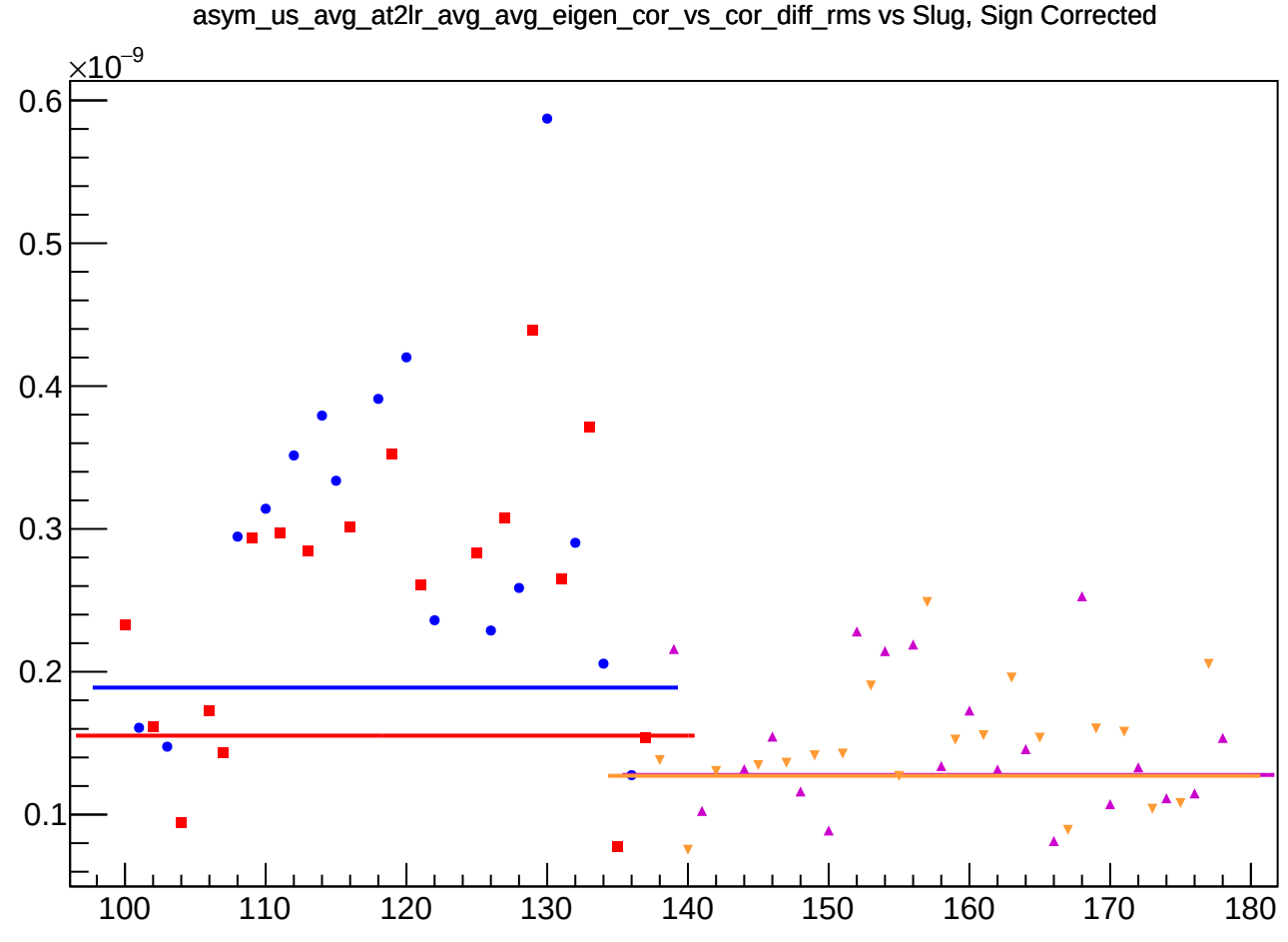
Left: -0.000+/-0.000 χ^2/NDF: 25.6/39

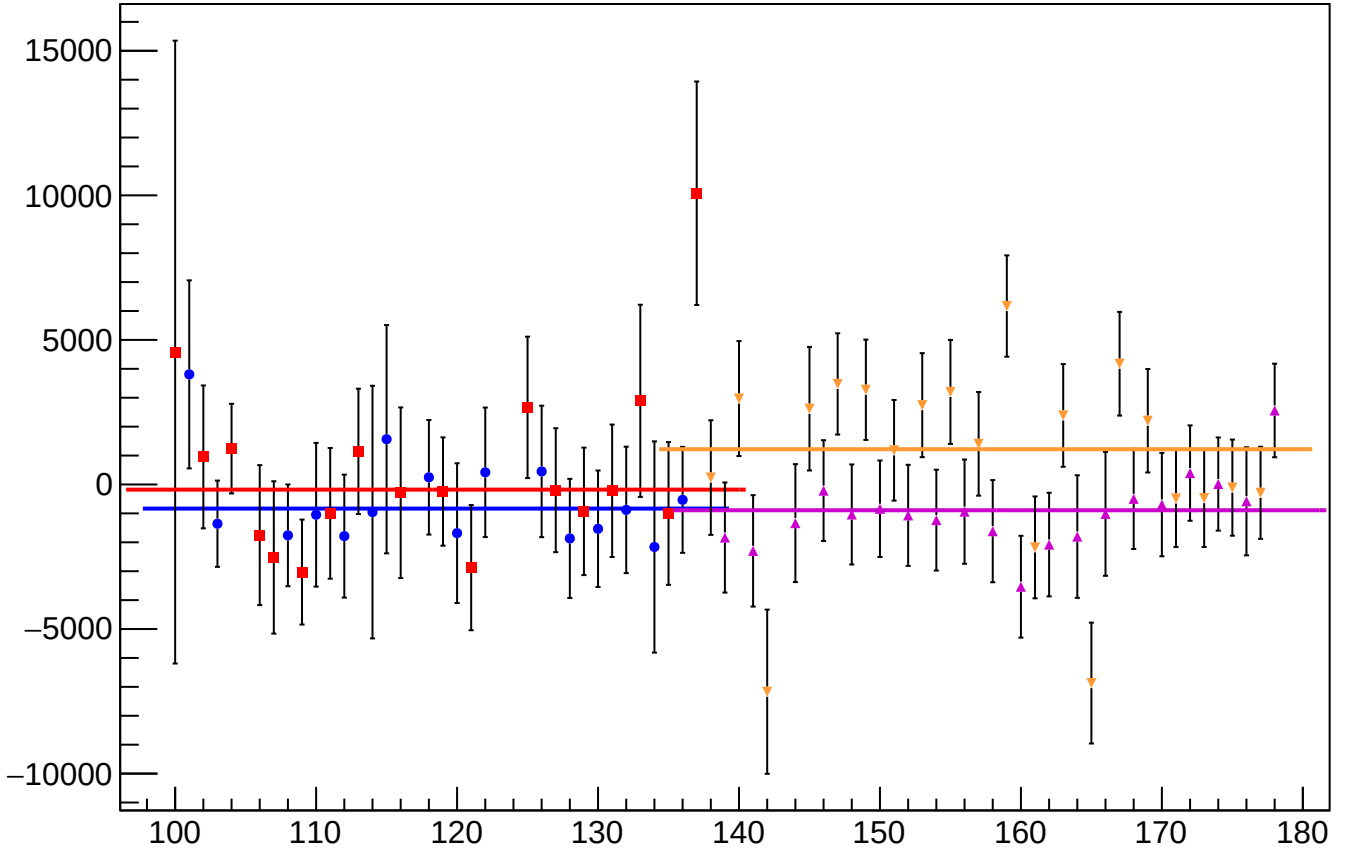
Right: 0.000+/-0.000 χ^2/NDF: 24.9/33

In: -0.000+/-0.000 χ^2/NDF:27.7/35

Out: 0.000+/-0.000 χ^2/NDF:24.7/37

All: -0.000+/-0.000 χ^2/NDF: 52.7/73


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1520620.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1679327.7/19
Right Out: 0.000+/-0.000 χ²/NDF: 2200687.6/17
Left In: 0.000+/-0.000 χ²/NDF:1901191.0/19
Left: 0.000+/-0.000 χ²/NDF: 3580736.2/39
Right: 0.000+/-0.000 χ²/NDF: 3857679.7/33
In: 0.000+/-0.000 χ²/NDF:4108689.8/35
Out: 0.000+/-0.000 χ²/NDF:4055547.4/37
All: 0.000+/-0.000 χ²/NDF: 8177539.2/73



Right In: -833.479+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1220.067+/-406.720 χ^2/NDF:48.9/19

Right Out: -178.292+/-547.824 χ^2/NDF: 16.5/17

Left In: -891.887+/-400.621 χ^2/NDF:9.6/19

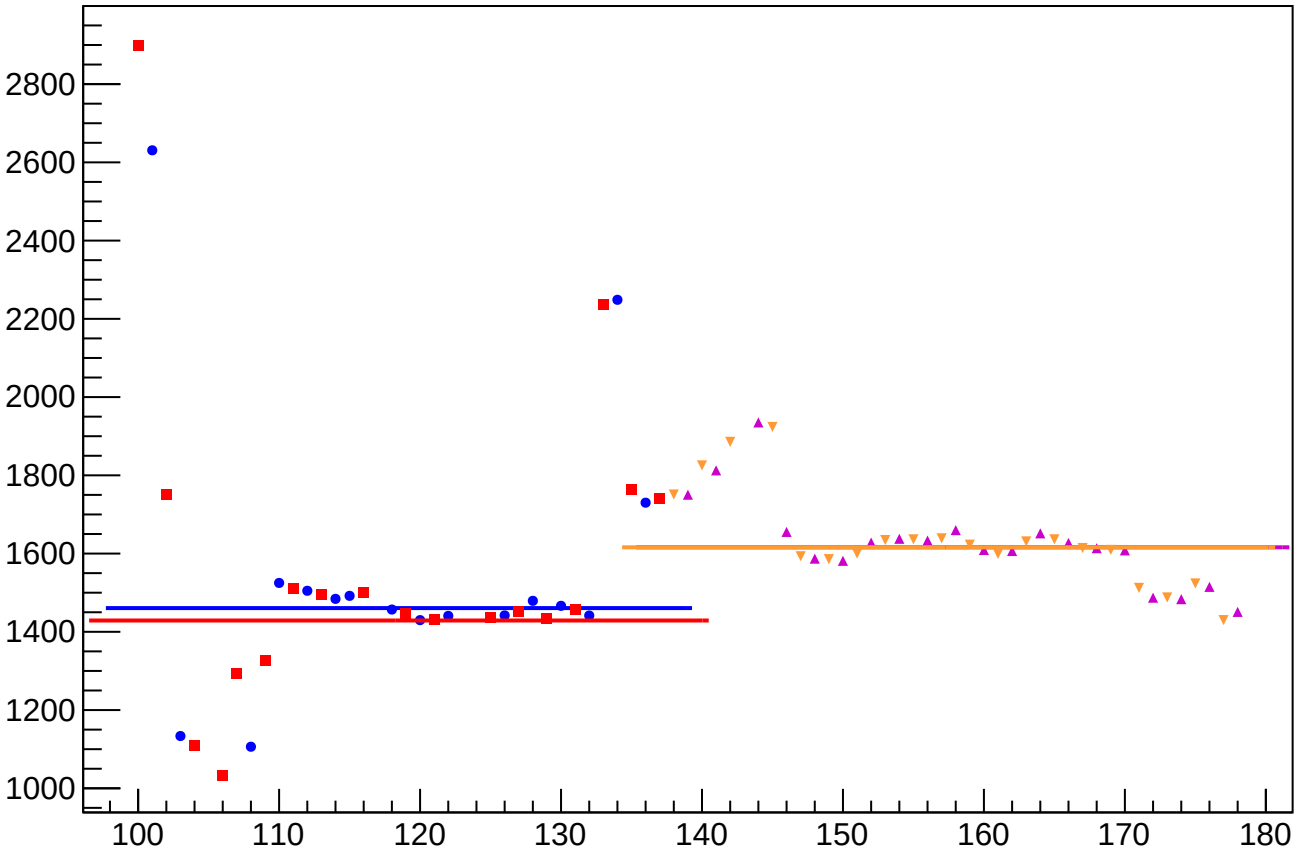
Left: 148.139+/-285.414 χ^2/NDF: 72.2/39

Right: -501.721+/-389.824 χ^2/NDF: 21.8/33

In: -871.871+/-324.801 χ^2/NDF:14.3/35

Out: 723.177+/-326.559 χ^2/NDF:69.5/37

All: -78.651+/-230.288 χ^2/NDF: 95.8/73



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: 1616.030+/-0.283 χ^2/NDF:137167.2/19

Left: 1616.016+/-0.202 χ^2/NDF: 283160.5/39

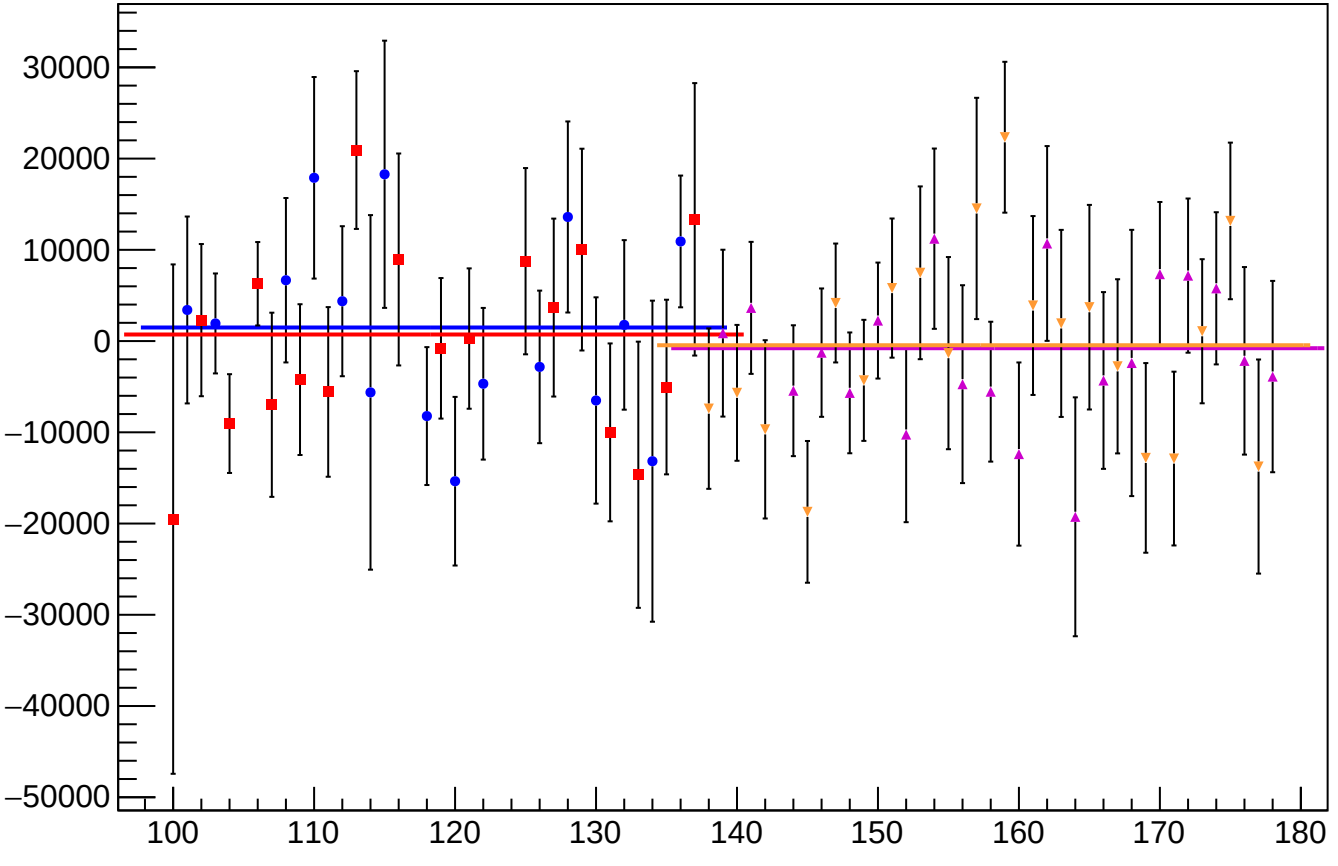
Right: 1444.478+/-0.275 χ^2/NDF: 990344.6/33

In: 1562.783+/-0.230 χ^2/NDF:815999.3/35

Out: 1548.896+/-0.230 χ^2/NDF:709040.4/37

All: 1555.858+/-0.163 χ^2/NDF: 1526862.7/73

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: -783.264+/-1932.743 χ^2/NDF:11.9/19

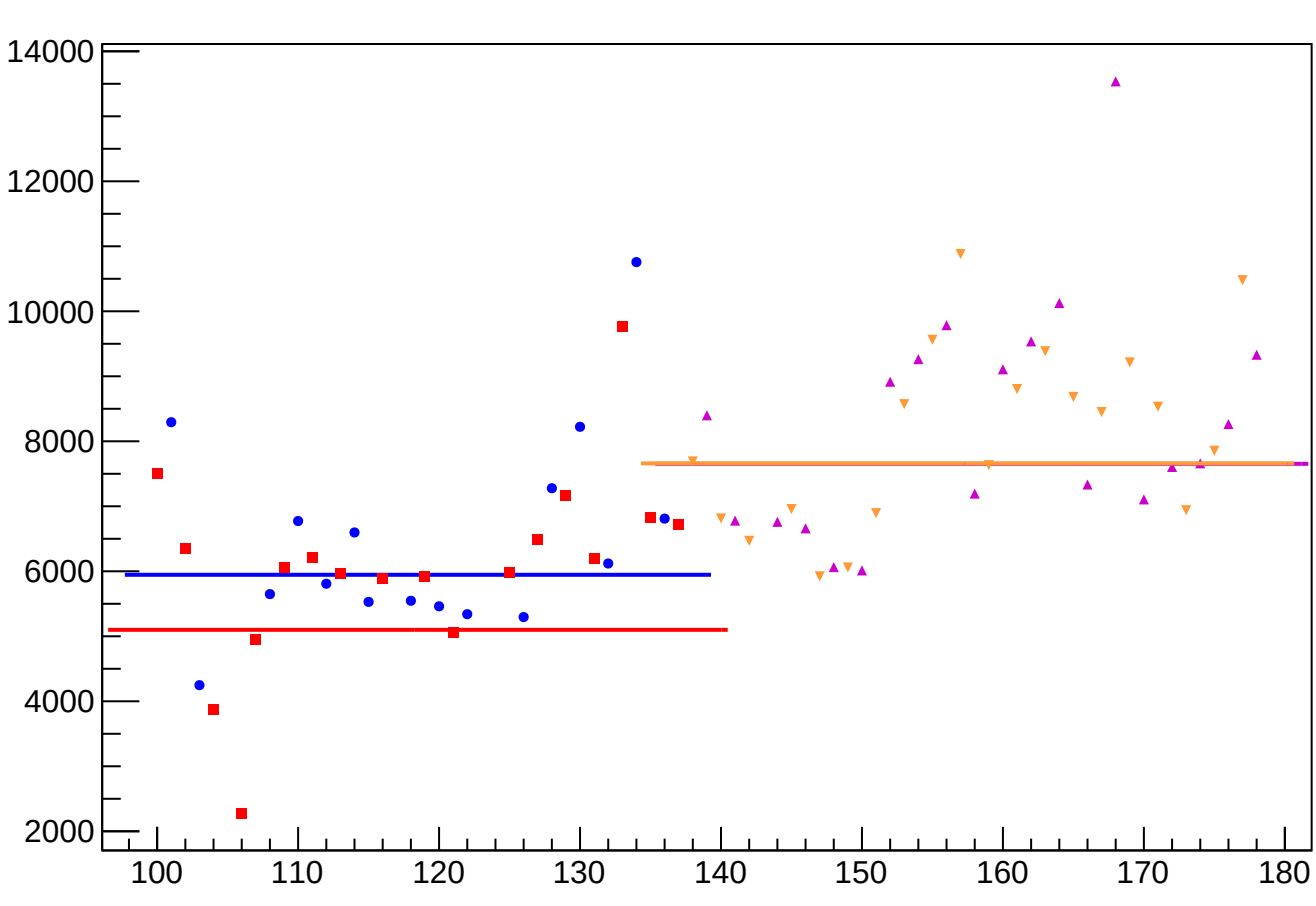
Left: -622.932+/-1377.777 χ^2/NDF: 38.2/39

Right: 1057.985+/-1504.928 χ^2/NDF: 31.8/33

In: 171.997+/-1471.057 χ^2/NDF:26.6/35

Out: 117.540+/-1405.486 χ^2/NDF:44.0/37

All: 143.528+/-1016.219 χ^2/NDF: 70.6/73



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: 7653.144+/-1.367 χ^2/NDF:1104816.8/19

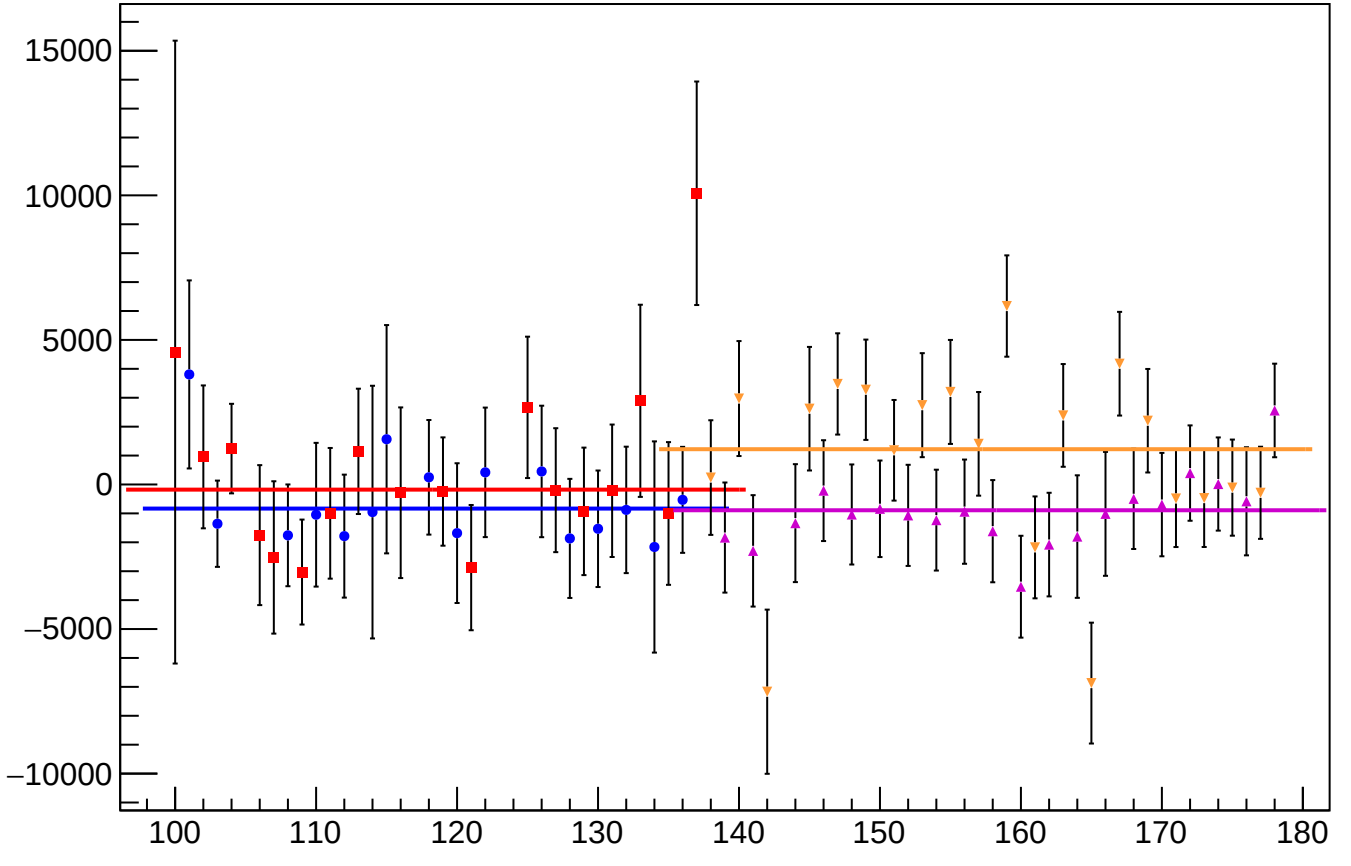
Left: 7656.433+/-0.974 χ^2/NDF: 1989238.8/39

Right: 5472.167+/-1.064 χ^2/NDF: 2277512.7/33

In: 6934.999+/-1.040 χ^2/NDF:2402311.0/35

Out: 6409.845+/-0.994 χ^2/NDF:4023253.5/37

All: 6660.457+/-0.719 χ^2/NDF: 6558814.4/73



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1220.154+/-406.720 χ^2/NDF:48.9/19

Right Out: -178.133+/-547.824 χ^2/NDF: 16.5/17

Left In: -891.782+/-400.621 χ^2/NDF:9.6/19

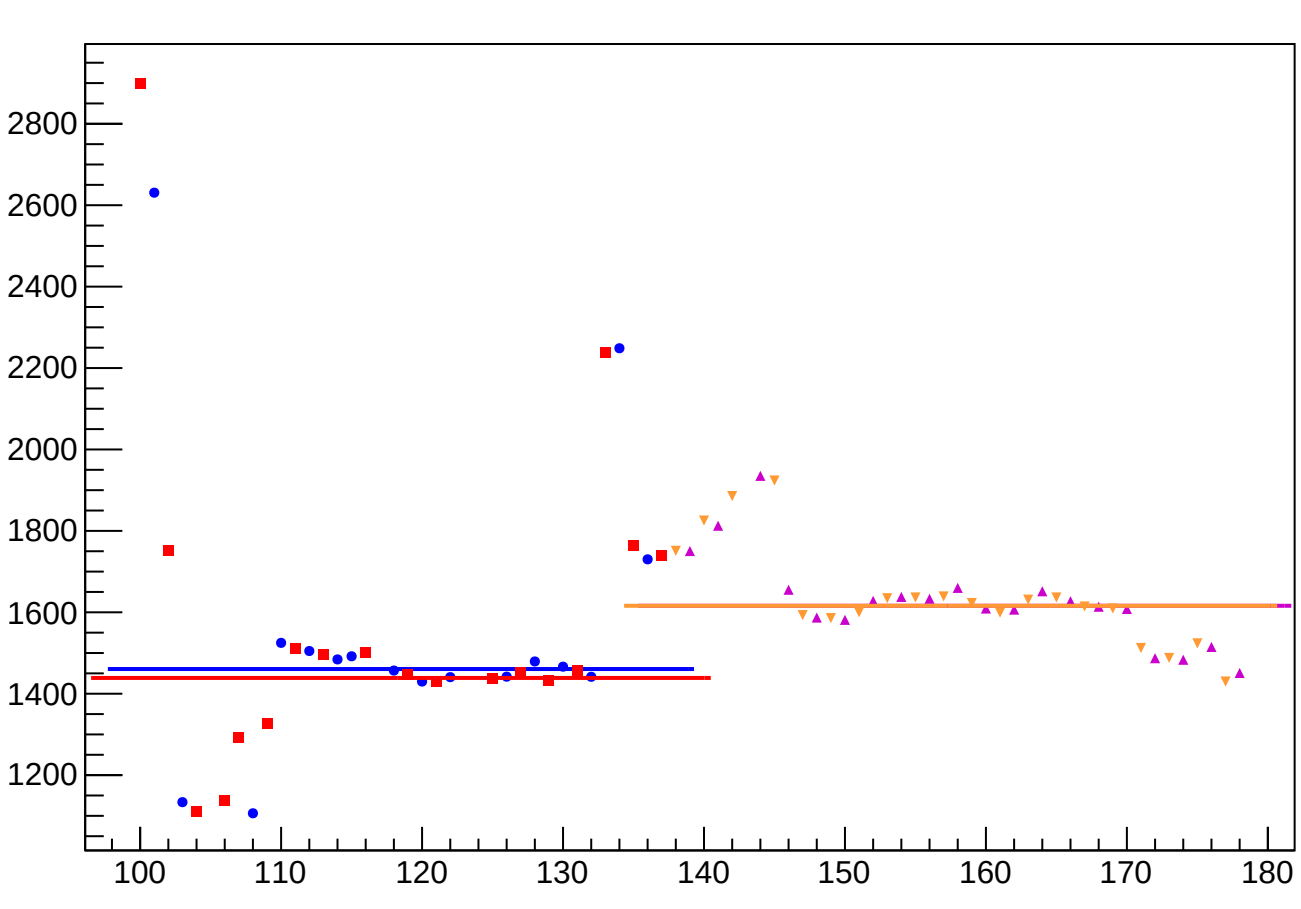
Left: 148.234+/-285.414 χ^2/NDF: 72.2/39

Right: -501.671+/-389.824 χ^2/NDF: 21.8/33

In: -871.823+/-324.801 χ^2/NDF:14.3/35

Out: 723.290+/-326.559 χ^2/NDF:69.5/37

All: -78.572+/-230.288 χ^2/NDF: 95.8/73



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: 1616.030+/-0.283 χ^2/NDF:137167.2/19

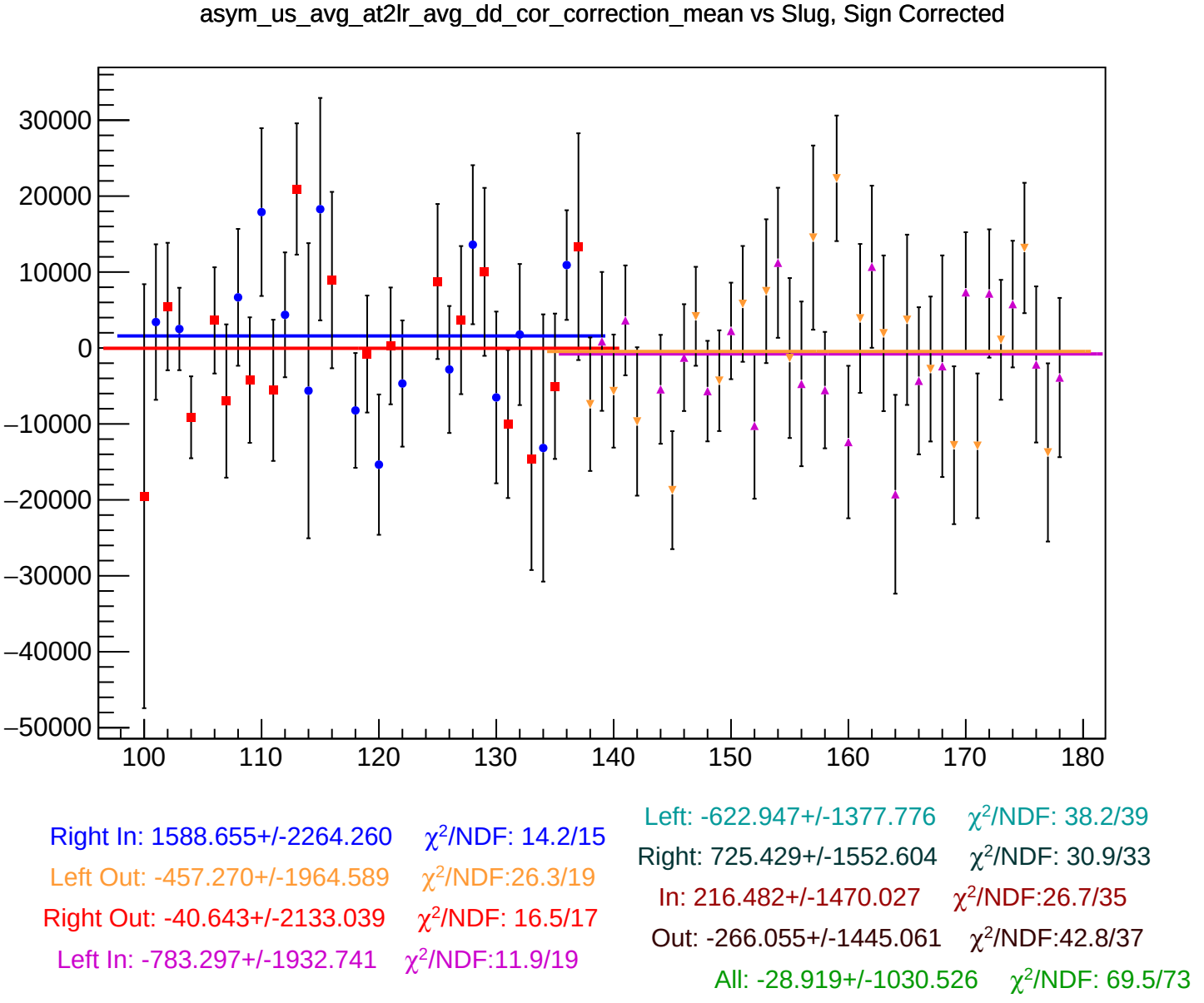
Left: 1616.016+/-0.202 χ^2/NDF: 283160.5/39

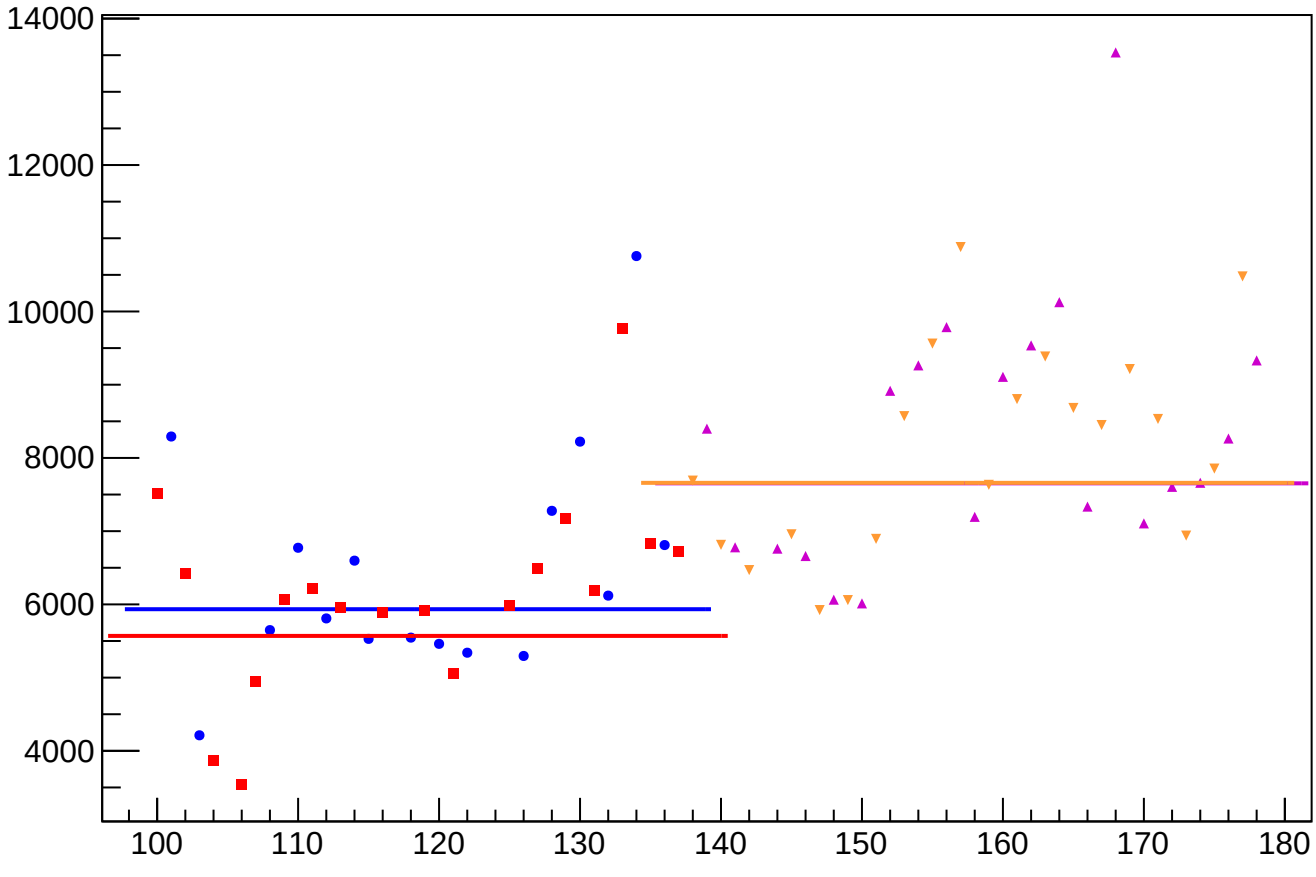
Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1562.783+/-0.230 χ^2/NDF:815999.8/35

Out: 1552.837+/-0.231 χ^2/NDF:654724.6/37

All: 1557.833+/-0.163 χ^2/NDF: 1471657.8/73


asym_us_avg_at2lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
Right In: 1588.655+/-2264.260 χ²/NDF: 14.2/15
Left Out: -457.270+/-1964.589 χ²/NDF:26.3/19
Right Out: -40.643+/-2133.039 χ²/NDF: 16.5/17
Left In: -783.297+/-1932.741 χ²/NDF:11.9/19
Left: -622.947+/-1377.776 χ²/NDF: 38.2/39
Right: 725.429+/-1552.604 χ²/NDF: 30.9/33
In: 216.482+/-1470.027 χ²/NDF:26.7/35
Out: -266.055+/-1445.061 χ²/NDF:42.8/37
All: -28.919+/-1030.526 χ²/NDF: 69.5/73



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: 7653.138+/-1.367 χ^2/NDF:1104820.8/19

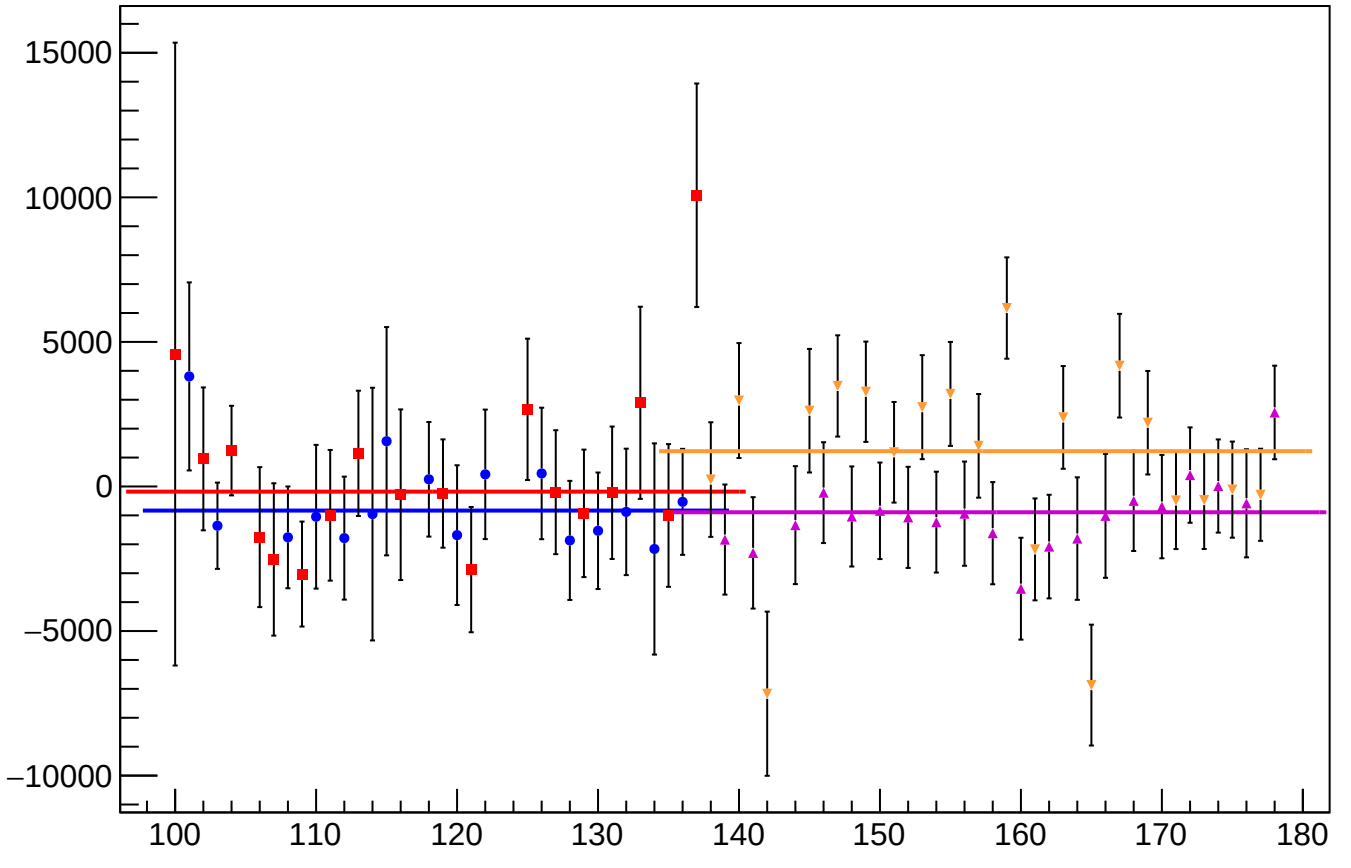
Left: 7656.429+/-0.974 χ^2/NDF: 1989242.6/39

Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6928.609+/-1.039 χ^2/NDF:2424704.6/35

Out: 6700.500+/-1.022 χ^2/NDF:2647534.6/37

All: 6812.601+/-0.729 χ^2/NDF: 5096730.3/73



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1220.154+/-406.720 χ^2/NDF:48.9/19

Right Out: -178.133+/-547.824 χ^2/NDF: 16.5/17

Left In: -891.782+/-400.621 χ^2/NDF:9.6/19

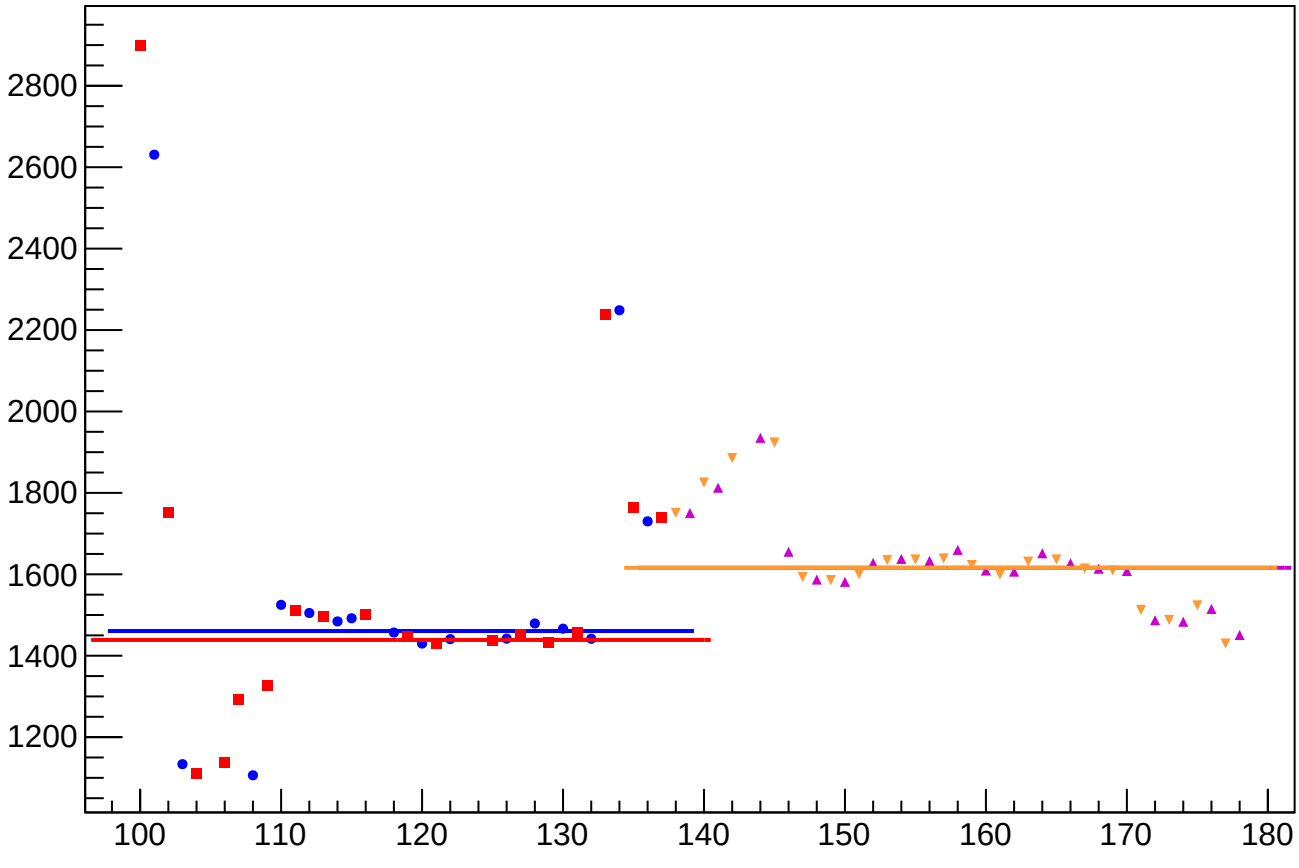
Left: 148.234+/-285.414 χ^2/NDF: 72.2/39

Right: -501.671+/-389.824 χ^2/NDF: 21.8/33

In: -871.823+/-324.801 χ^2/NDF:14.3/35

Out: 723.290+/-326.559 χ^2/NDF:69.5/37

All: -78.572+/-230.288 χ^2/NDF: 95.8/73



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: 1616.030+/-0.283 χ^2/NDF:137167.2/19

Left: 1616.016+/-0.202 χ^2/NDF: 283160.5/39

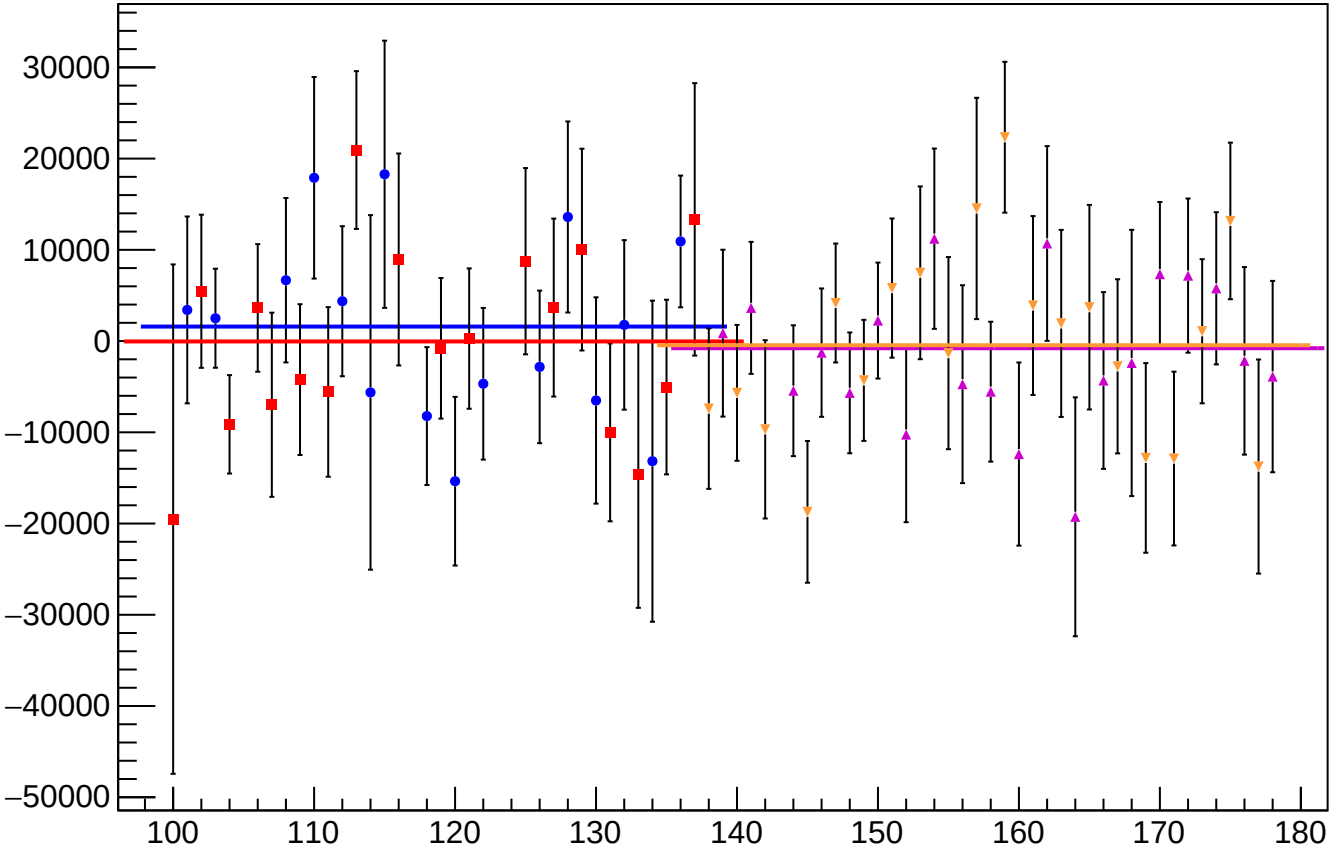
Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1562.783+/-0.230 χ^2/NDF:815999.8/35

Out: 1552.837+/-0.231 χ^2/NDF:654724.6/37

All: 1557.833+/-0.163 χ^2/NDF: 1471657.8/73

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: -783.297+/-1932.741 χ^2/NDF:11.9/19

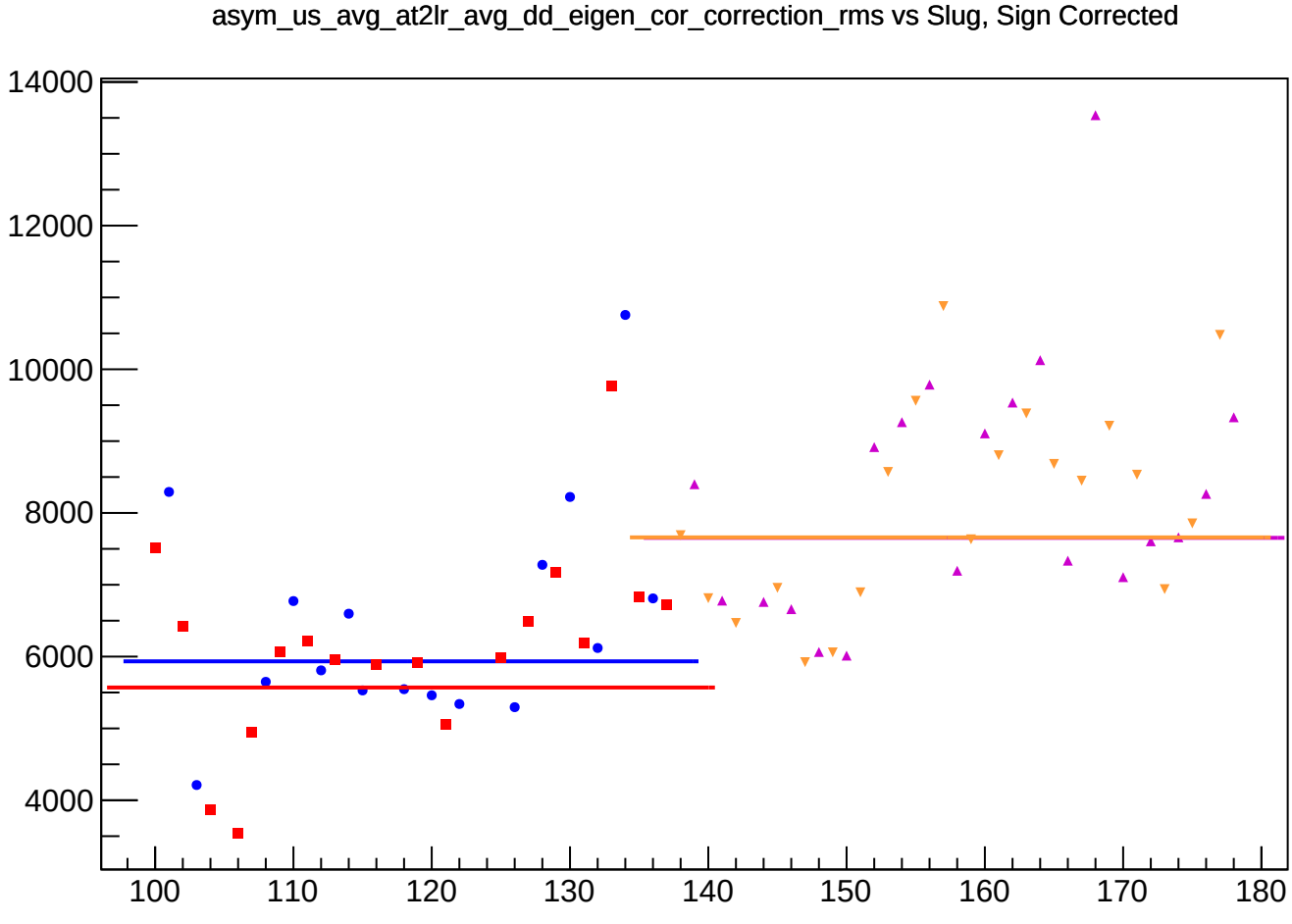
Left: -622.947+/-1377.776 χ^2/NDF: 38.2/39

Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: 216.482+/-1470.027 χ^2/NDF:26.7/35

Out: -266.055+/-1445.061 χ^2/NDF:42.8/37

All: -28.919+/-1030.526 χ^2/NDF: 69.5/73



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: 7653.138+/-1.367 χ^2/NDF:1104820.8/19

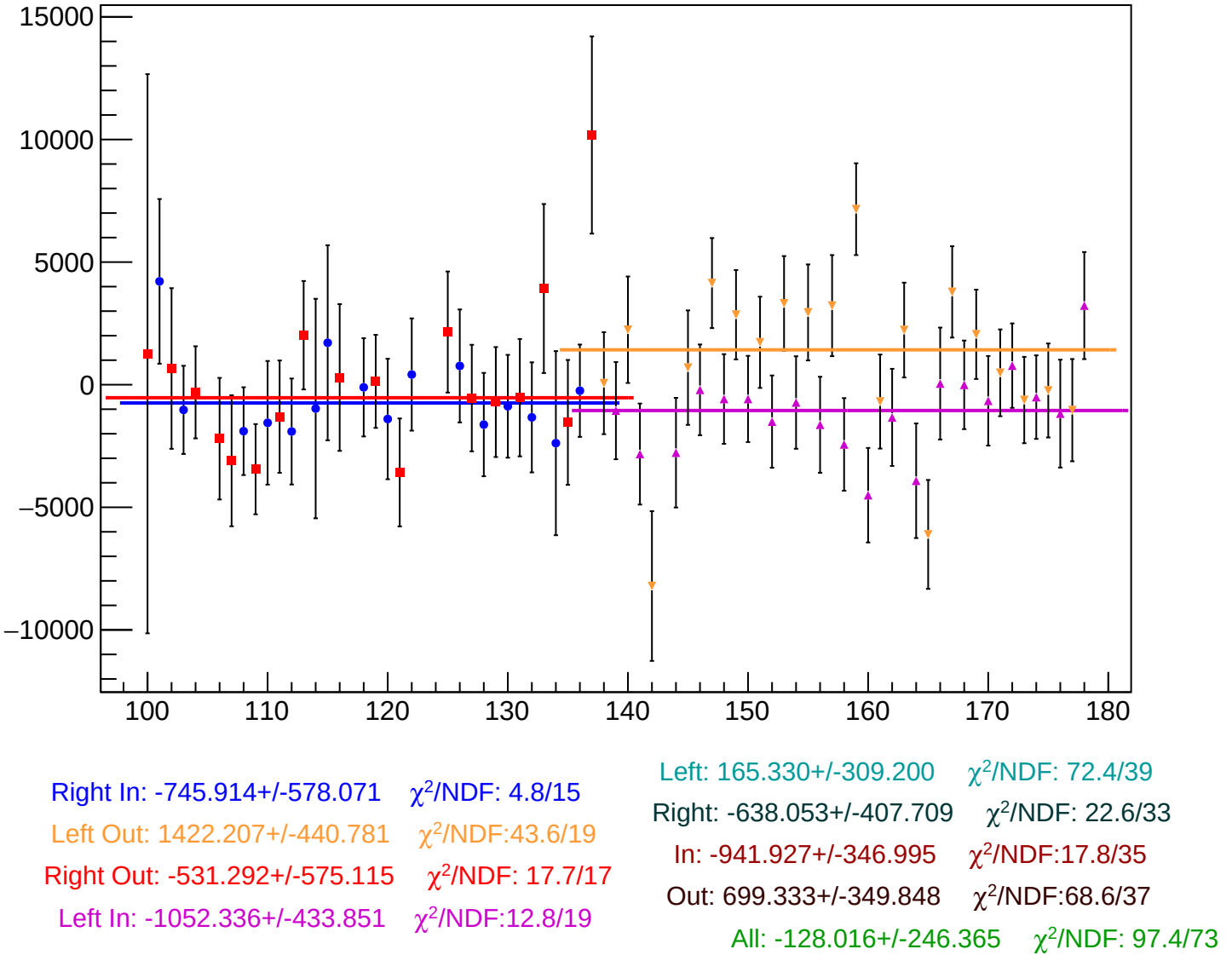
Left: 7656.429+/-0.974 χ^2/NDF: 1989242.6/39

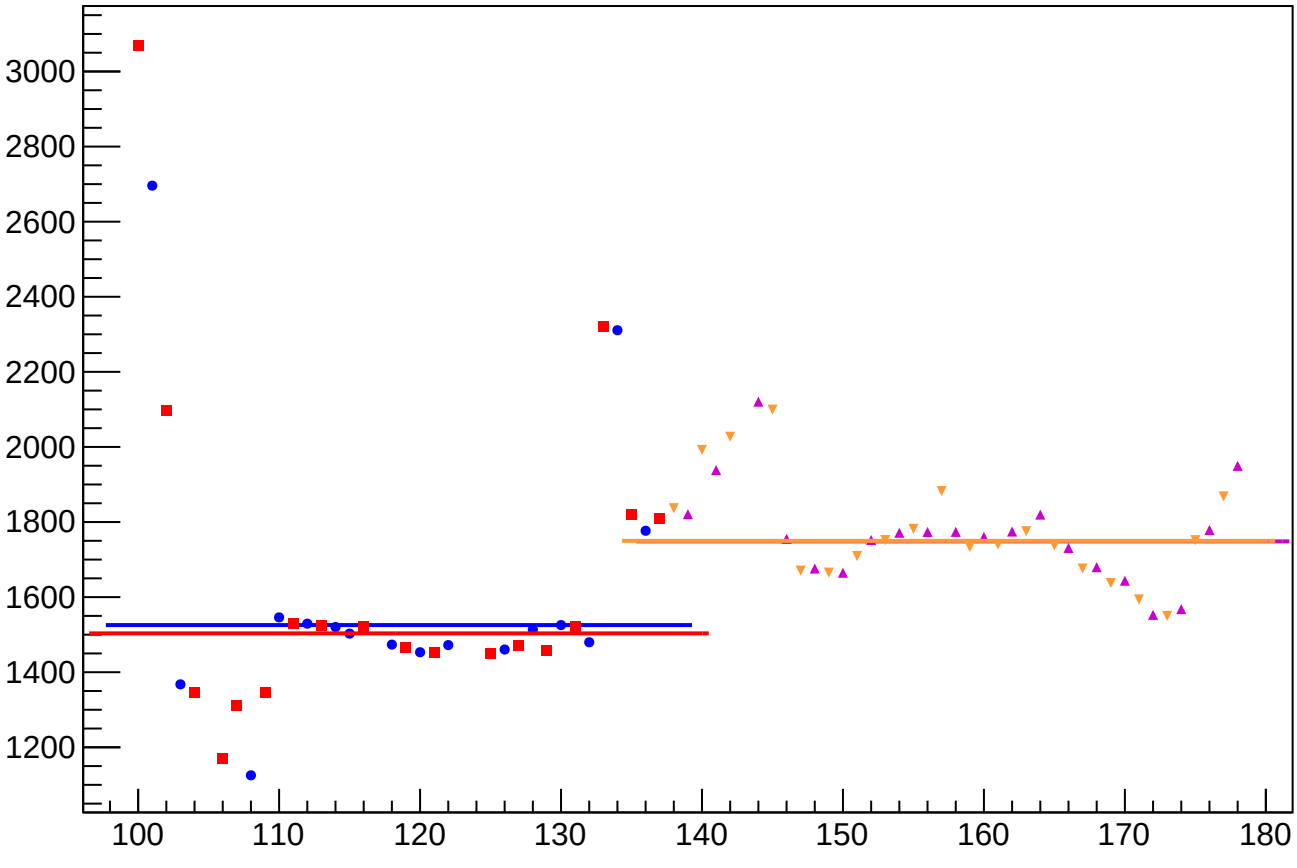
Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6928.609+/-1.039 χ^2/NDF:2424704.6/35

Out: 6700.500+/-1.022 χ^2/NDF:2647534.6/37

All: 6812.601+/-0.729 χ^2/NDF: 5096730.3/73


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: -1052.336+/-433.851 χ²/NDF:12.8/19
Left: 165.330+/-309.200 χ²/NDF: 72.4/39
Right: -638.053+/-407.709 χ²/NDF: 22.6/33
In: -941.927+/-346.995 χ²/NDF:17.8/35
Out: 699.333+/-349.848 χ²/NDF:68.6/37
All: -128.016+/-246.365 χ²/NDF: 97.4/73



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: 1748.490+/-0.307 χ^2/NDF:161205.6/19

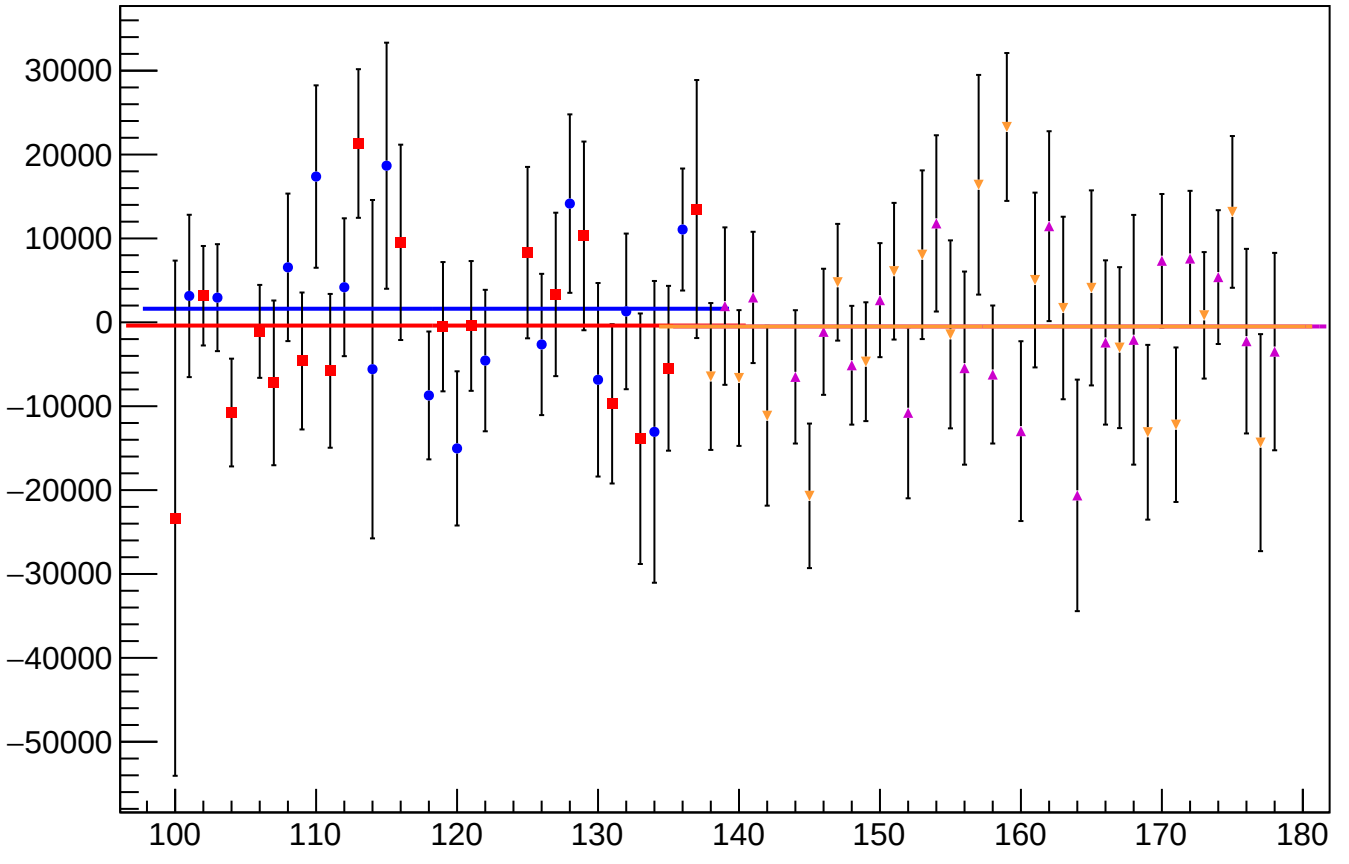
Left: 1749.172+/-0.219 χ^2/NDF: 327813.8/39

Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1668.156+/-0.245 χ^2/NDF:839844.5/35

Out: 1658.649+/-0.247 χ^2/NDF:736536.1/37

All: 1663.441+/-0.174 χ^2/NDF: 1577125.2/73



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: -492.902+/-2029.142 χ^2/NDF:11.8/19

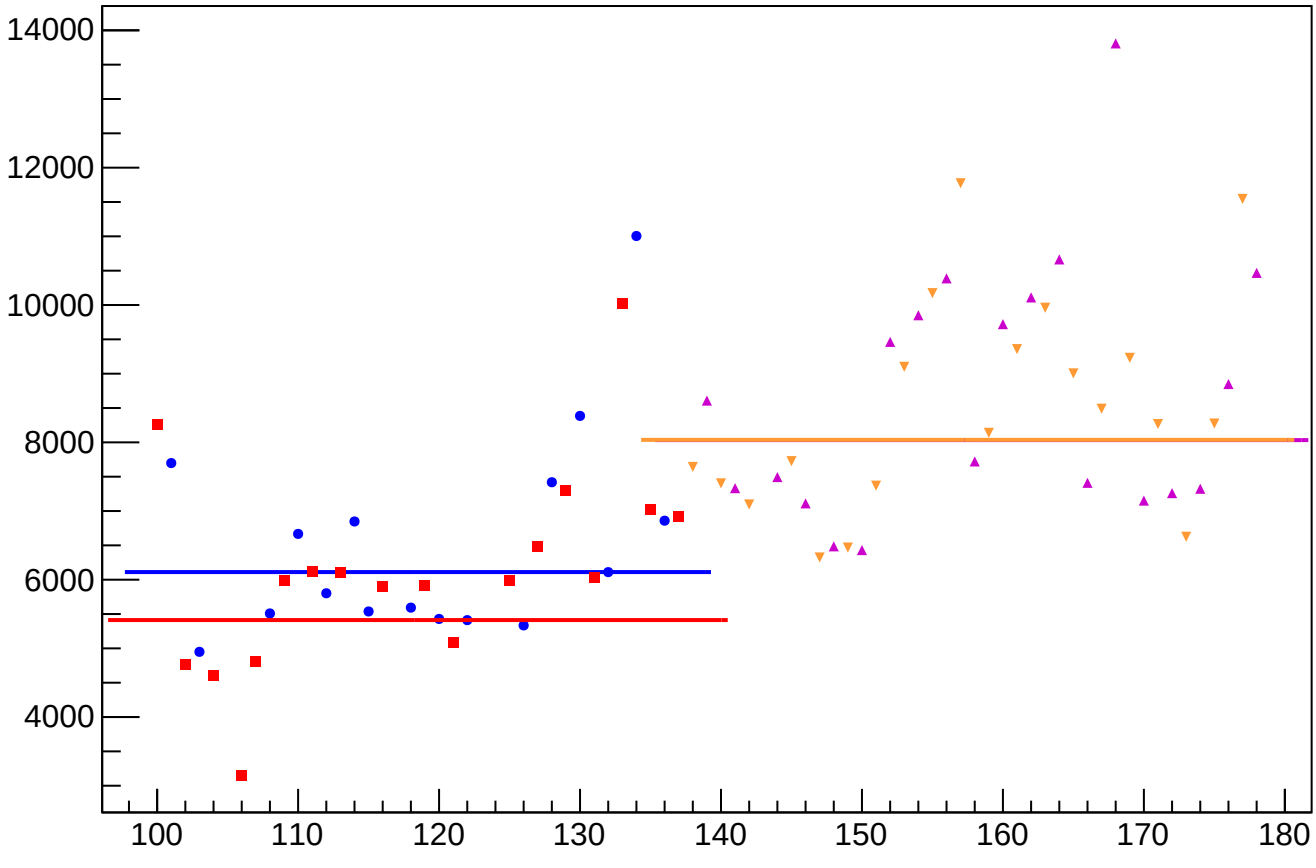
Left: -495.083+/-1445.935 χ^2/NDF: 37.7/39

Right: 498.801+/-1540.768 χ^2/NDF: 30.7/33

In: 422.884+/-1527.374 χ^2/NDF:26.5/35

Out: -441.635+/-1457.283 χ^2/NDF:41.9/37

All: -29.666+/-1054.363 χ^2/NDF: 68.6/73



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: 8032.599+/-1.435 χ^2/NDF:1109391.6/19

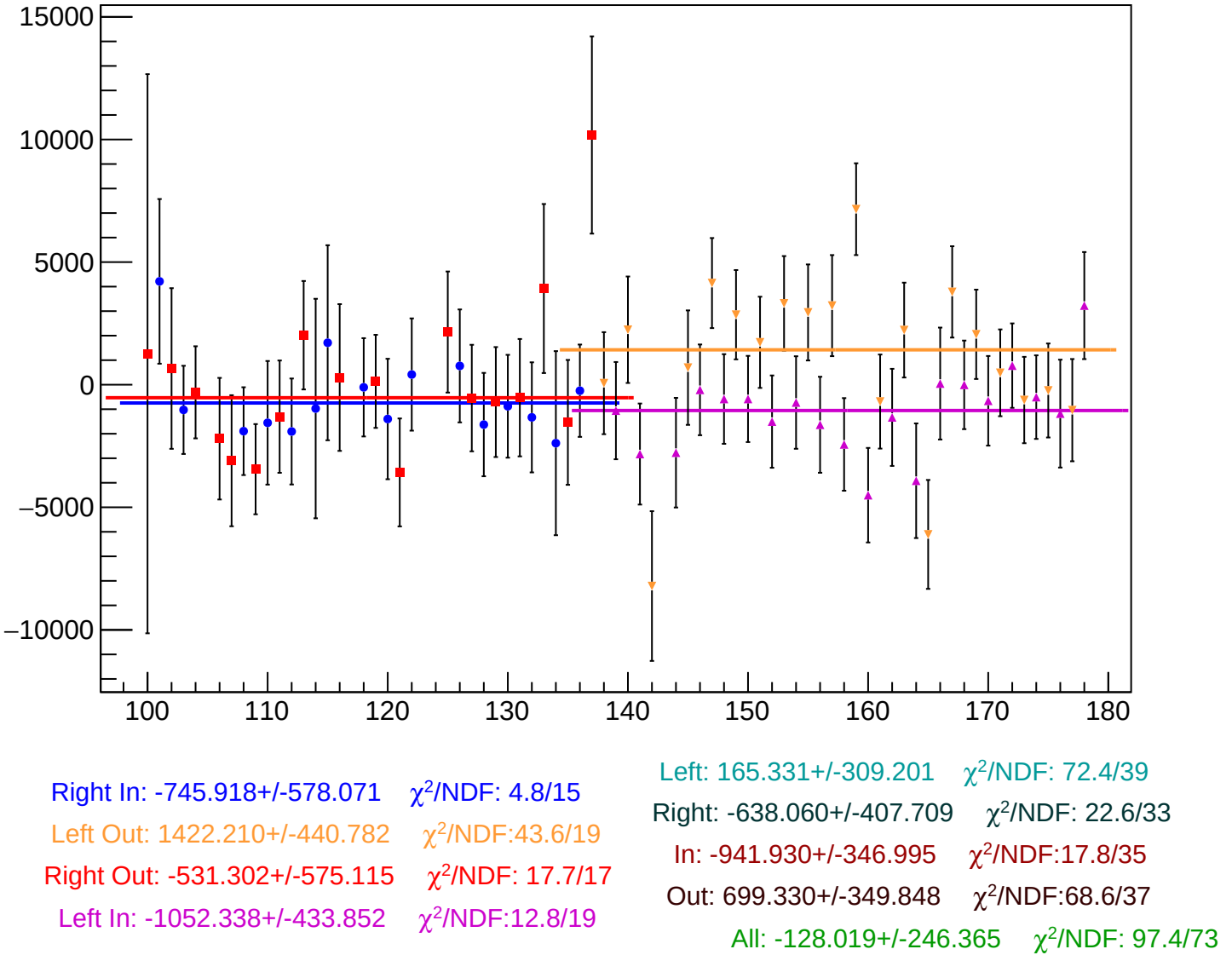
Left: 8034.557+/-1.022 χ^2/NDF: 1993728.3/39

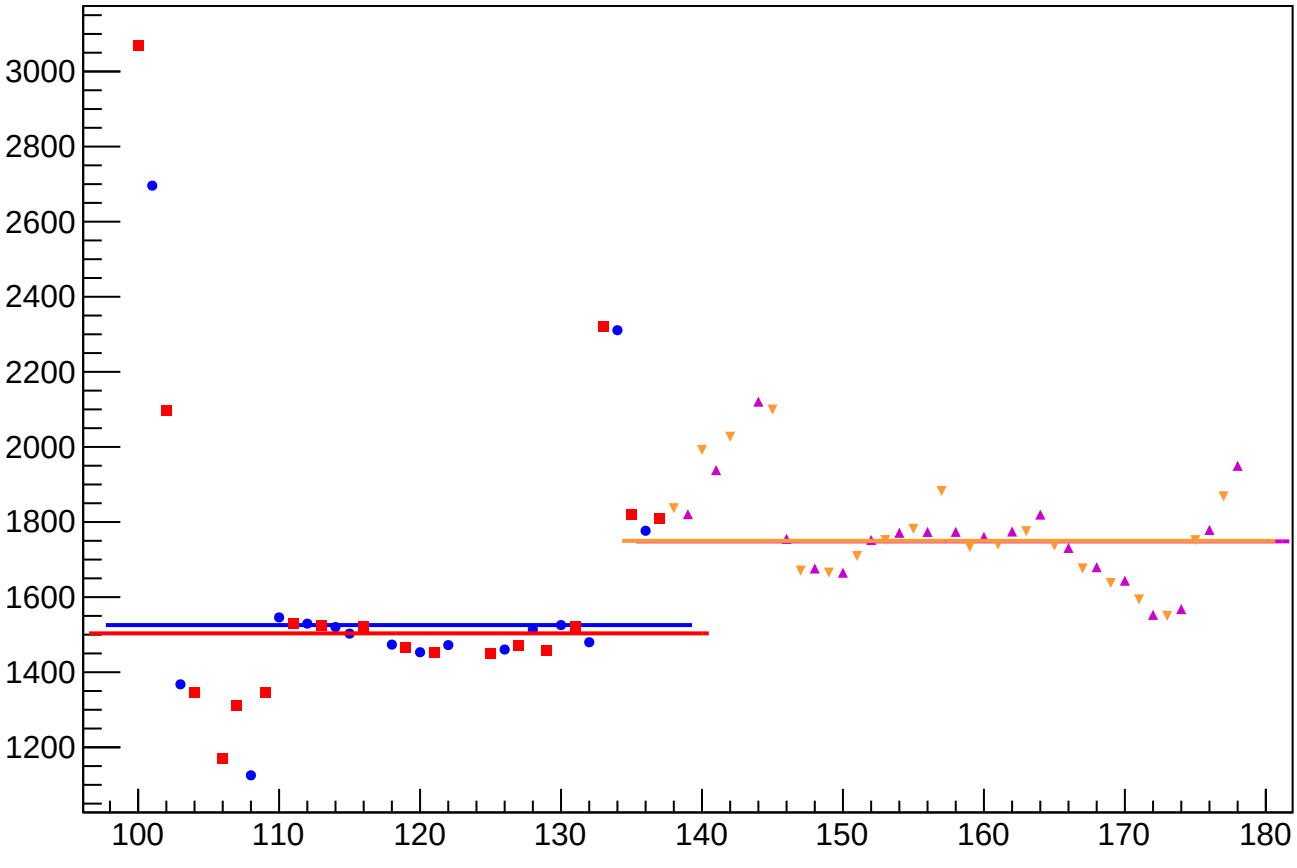
Right: 5720.463+/-1.089 χ^2/NDF: 1394599.9/33

In: 7199.767+/-1.080 χ^2/NDF:2358404.0/35

Out: 6724.373+/-1.030 χ^2/NDF:3327334.6/37

All: 6950.912+/-0.746 χ^2/NDF: 5787162.4/73


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: -1052.338+/-433.852 χ²/NDF:12.8/19
Left: 165.331+/-309.201 χ²/NDF: 72.4/39
Right: -638.060+/-407.709 χ²/NDF: 22.6/33
In: -941.930+/-346.995 χ²/NDF:17.8/35
Out: 699.330+/-349.848 χ²/NDF:68.6/37
All: -128.019+/-246.365 χ²/NDF: 97.4/73



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: 1748.492+/-0.307 χ^2/NDF:161212.5/19

Left: 1749.174+/-0.219 χ^2/NDF: 327827.2/39

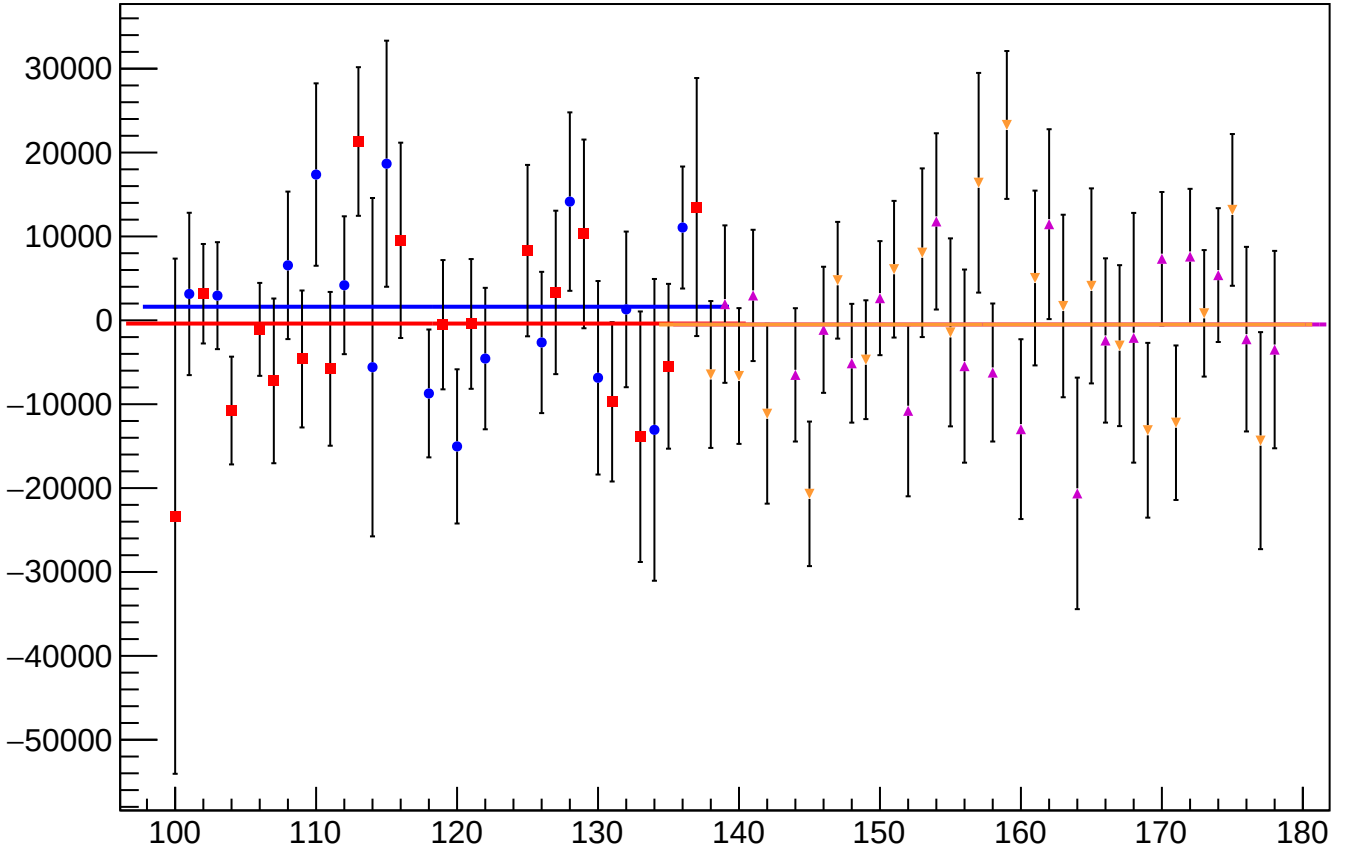
Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1668.157+/-0.245 χ^2/NDF:839855.1/35

Out: 1658.650+/-0.247 χ^2/NDF:736546.1/37

All: 1663.442+/-0.174 χ^2/NDF: 1577145.8/73

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: -492.901+/-2029.145 χ^2/NDF:11.8/19

Left: -495.082+/-1445.937 χ^2/NDF: 37.7/39

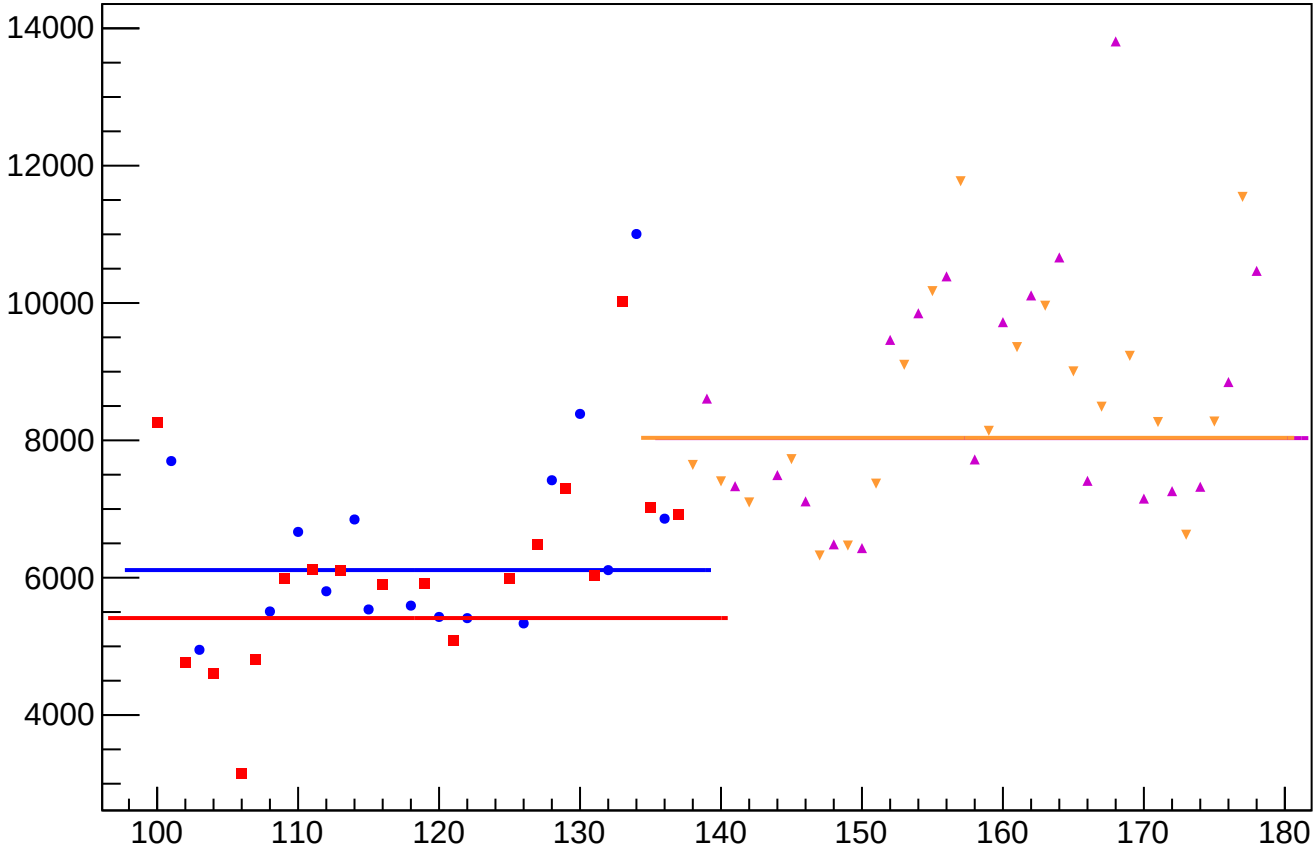
Right: 498.789+/-1540.764 χ^2/NDF: 30.7/33

In: 422.880+/-1527.374 χ^2/NDF:26.5/35

Out: -441.638+/-1457.283 χ^2/NDF:41.9/37

All: -29.670+/-1054.363 χ^2/NDF: 68.6/73

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: 8032.611+/-1.435 χ^2/NDF:1109394.6/19

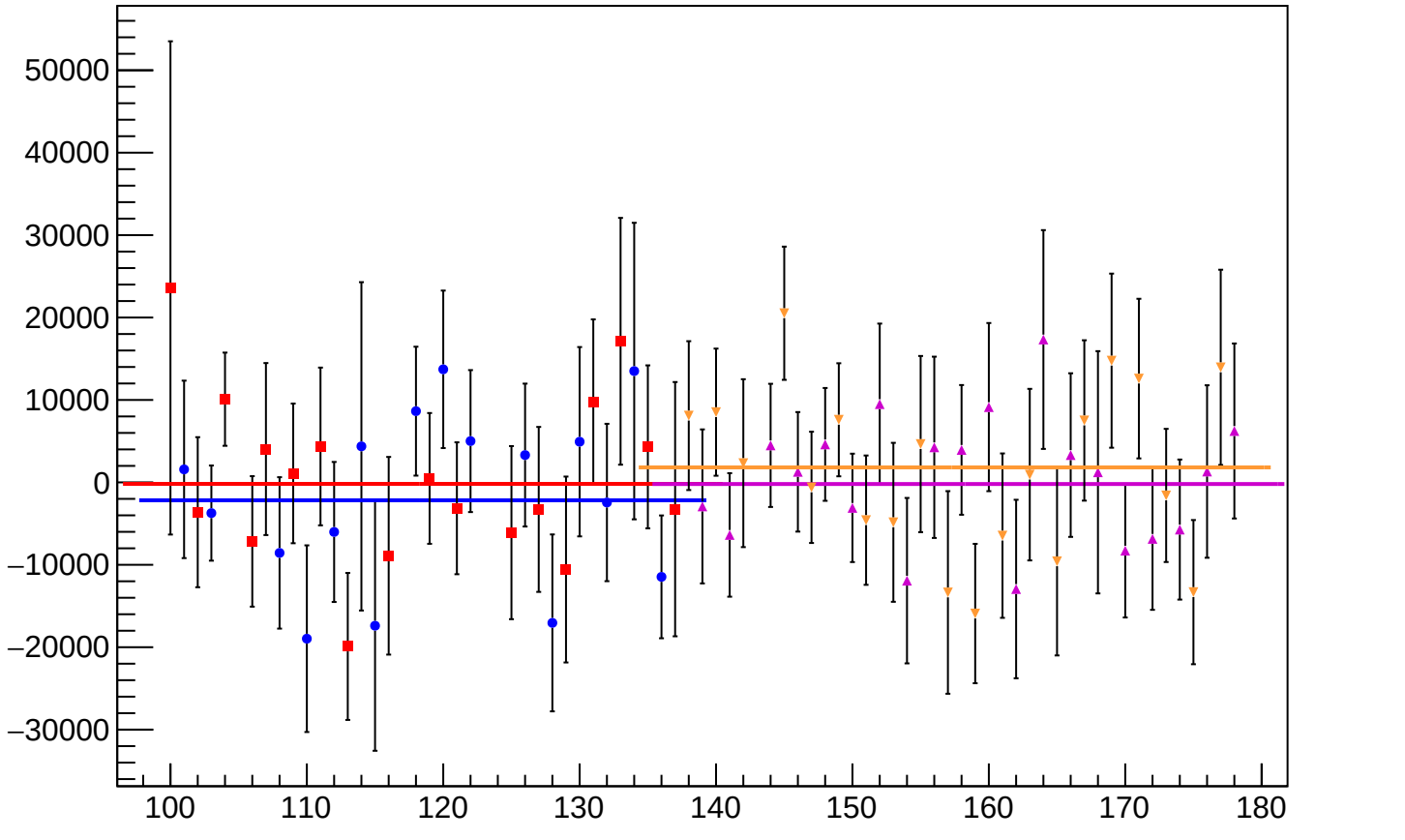
Left: 8034.569+/-1.022 χ^2/NDF: 1993732.5/39

Right: 5720.451+/-1.089 χ^2/NDF: 1394602.1/33

In: 7199.765+/-1.080 χ^2/NDF:2358430.3/35

Out: 6724.369+/-1.030 χ^2/NDF:3327366.1/37

All: 6950.909+/-0.746 χ^2/NDF: 5787221.0/73



Right In: -2174.048+/-2347.664 χ^2/NDF: 14.6/15

Left Out: 1818.469+/-2015.094 χ^2/NDF:23.6/19

Right Out: -183.559+/-2228.883 χ^2/NDF: 14.7/17

Left In: -199.590+/-1981.629 χ^2/NDF:11.2/19

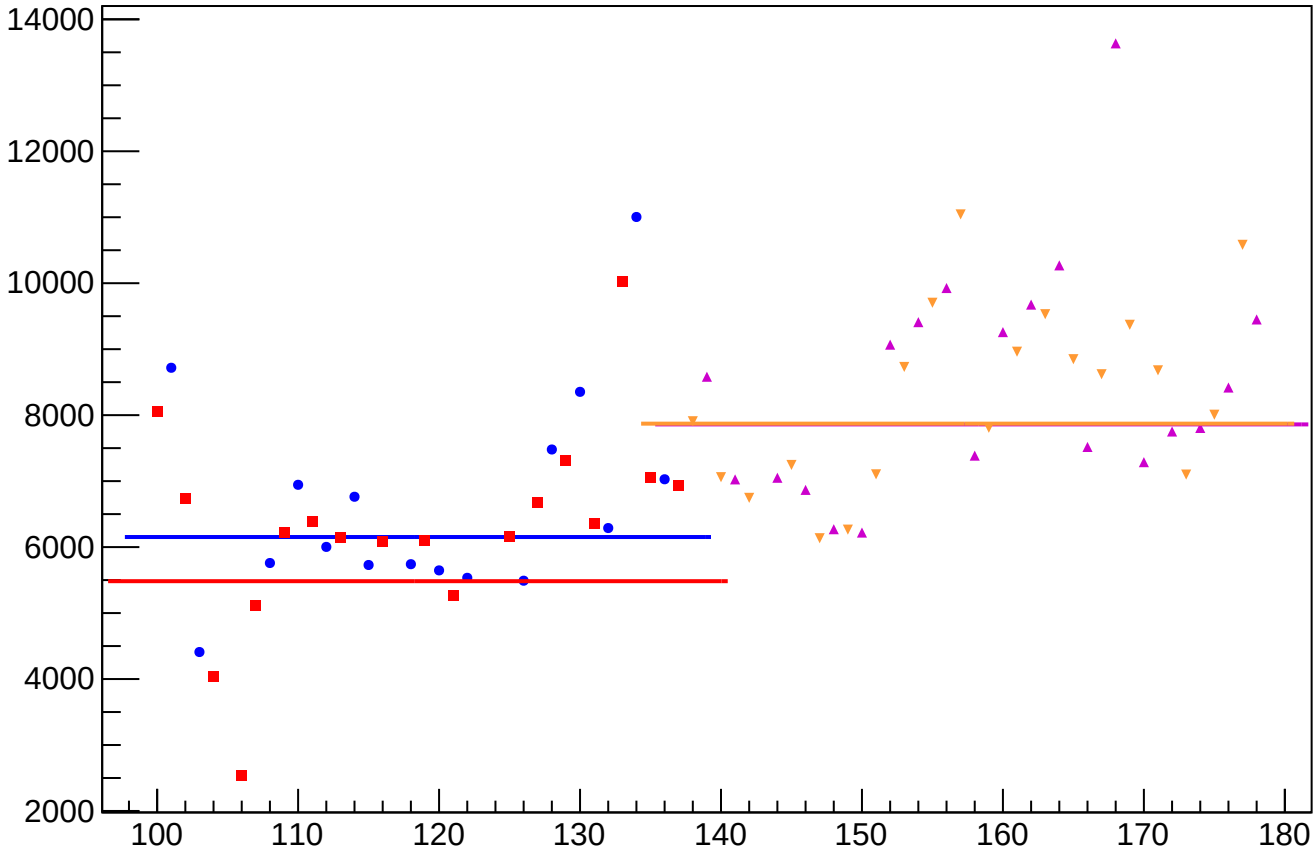
Left: 792.543+/-1412.906 χ^2/NDF: 35.3/39

Right: -1127.176+/-1616.419 χ^2/NDF: 29.6/33

In: -1021.066+/-1514.292 χ^2/NDF:26.2/35

Out: 918.051+/-1494.769 χ^2/NDF:38.7/37

All: -38.928+/-1063.797 χ^2/NDF: 65.7/73



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: 7859.705+/-1.401 χ^2/NDF:1018083.2/19

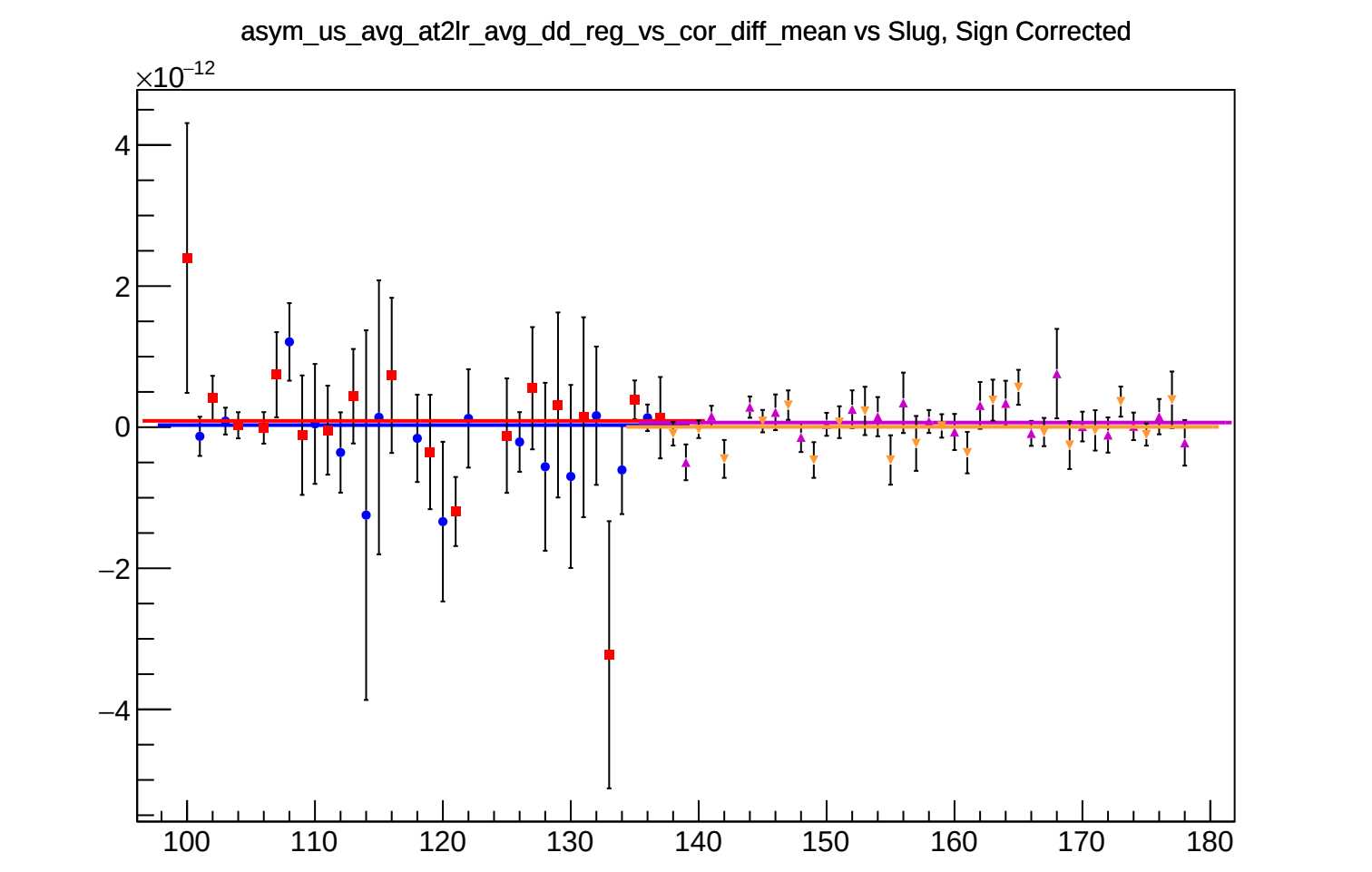
Left: 7865.332+/-0.999 χ^2/NDF: 1824897.1/39

Right: 5788.476+/-1.121 χ^2/NDF: 1861205.2/33

In: 7149.494+/-1.071 χ^2/NDF:2259572.0/35

Out: 6753.861+/-1.039 χ^2/NDF:3269523.3/37

All: 6945.793+/-0.746 χ^2/NDF: 5599385.6/73



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:14.8/19

Left: 0.000+/-0.000 χ^2/NDF: 40.8/39

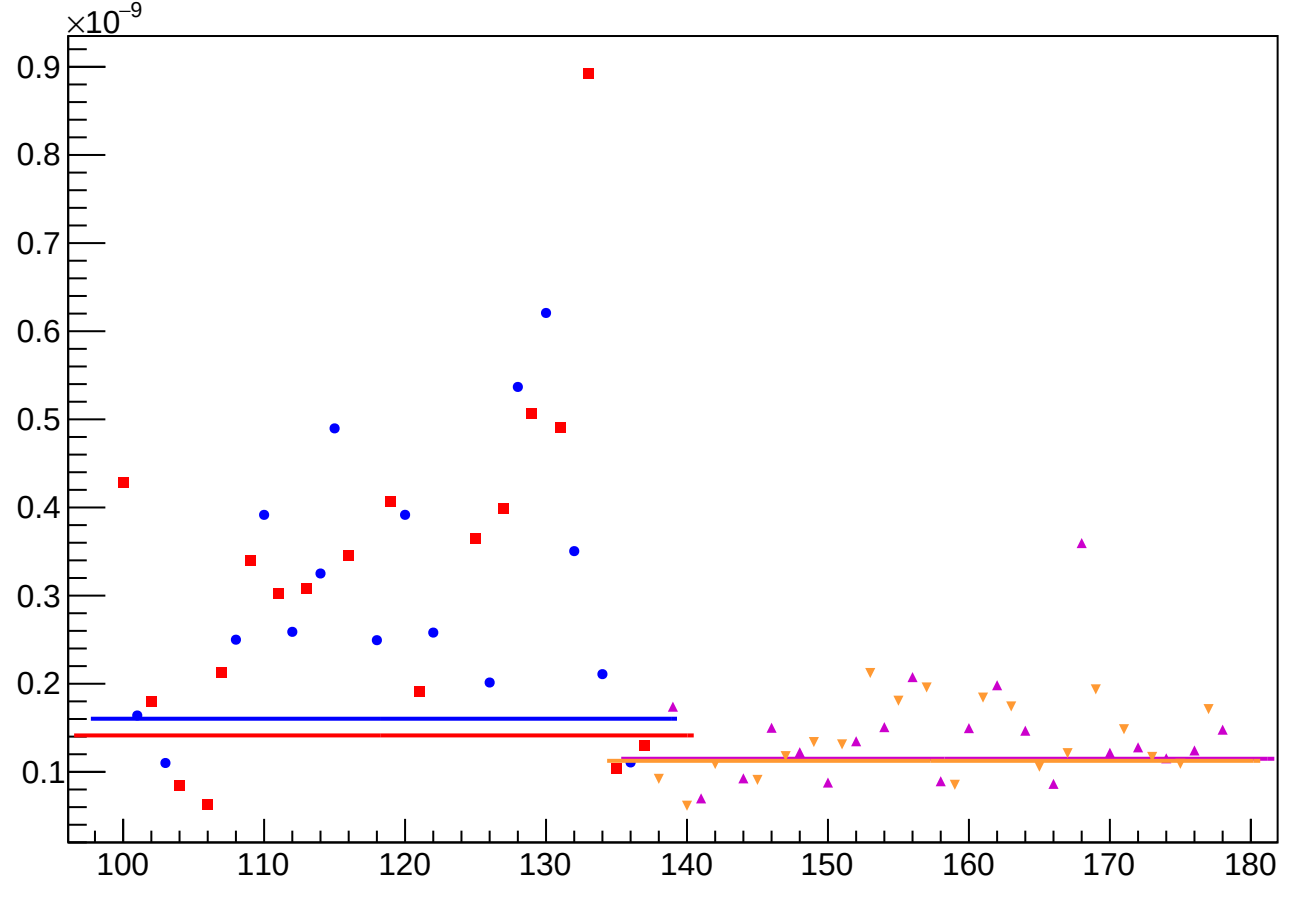
Right: 0.000+/-0.000 χ^2/NDF: 26.2/33

In: 0.000+/-0.000 χ^2/NDF:24.4/35

Out: 0.000+/-0.000 χ^2/NDF:42.2/37

All: 0.000+/-0.000 χ^2/NDF: 67.0/73

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1224931.9/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1184412.4/19

Left: 0.000+/-0.000 χ^2/NDF: 2411633.5/39

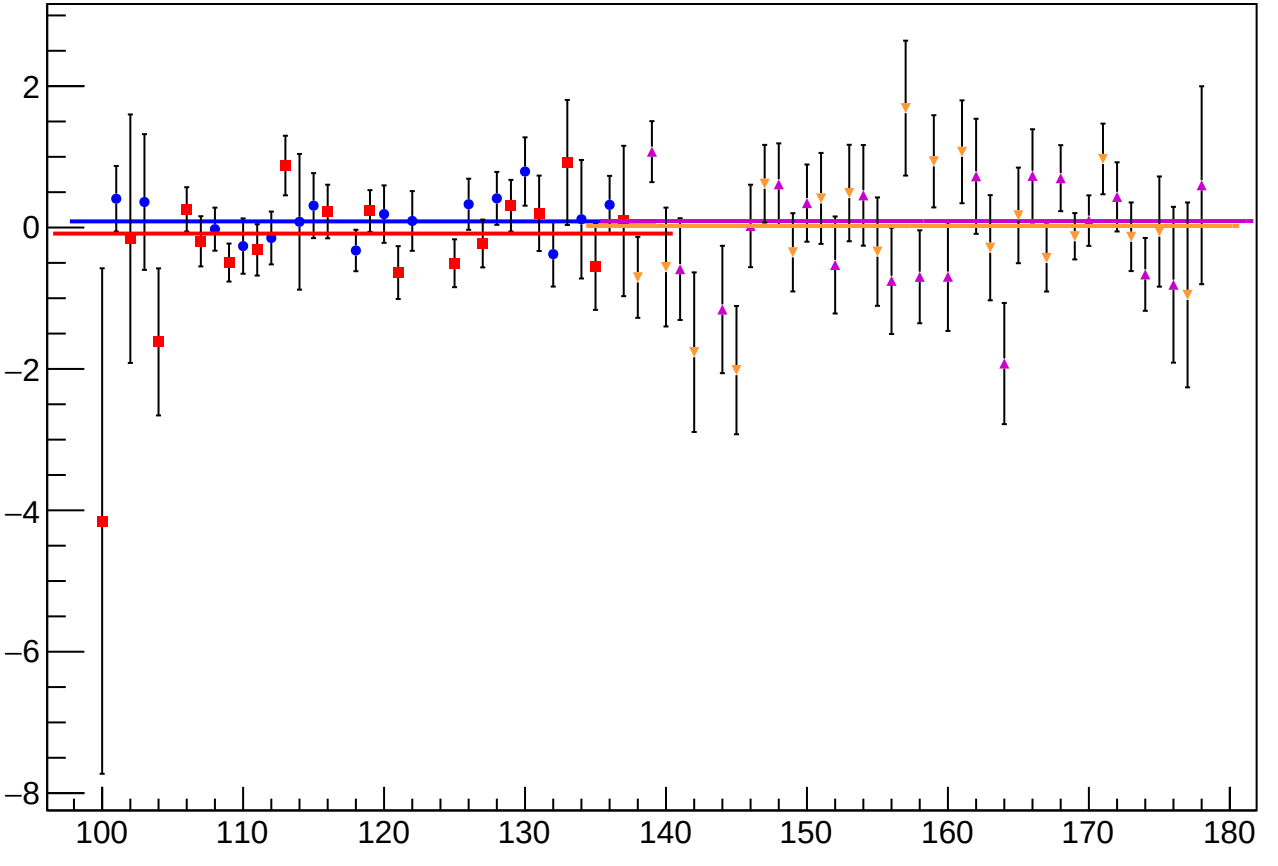
Right: 0.000+/-0.000 χ^2/NDF: 3529311.8/33

In: 0.000+/-0.000 χ^2/NDF:2826842.7/35

Out: 0.000+/-0.000 χ^2/NDF:3519861.8/37

All: 0.000+/-0.000 χ^2/NDF: 6362021.8/73

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: 0.091+/-0.135 χ^2/NDF:26.1/19

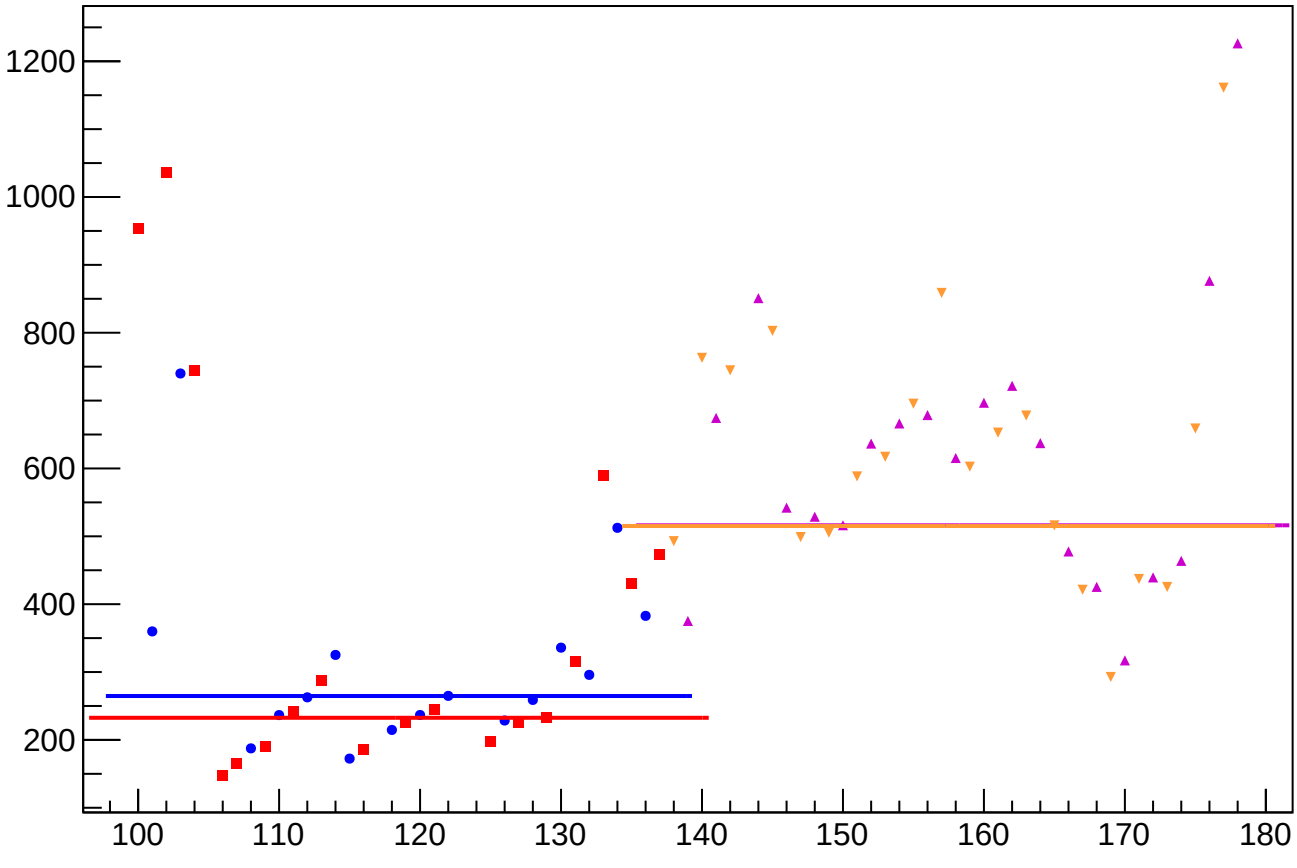
Left: 0.057+/-0.096 χ^2/NDF: 51.2/39

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.089+/-0.083 χ^2/NDF:34.9/35

Out: -0.050+/-0.079 χ^2/NDF:47.3/37

All: 0.016+/-0.057 χ^2/NDF: 83.6/73



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: 516.220+/-0.096 χ^2/NDF:2661627.3/19

Left: 515.705+/-0.068 χ^2/NDF: 5441836.0/39

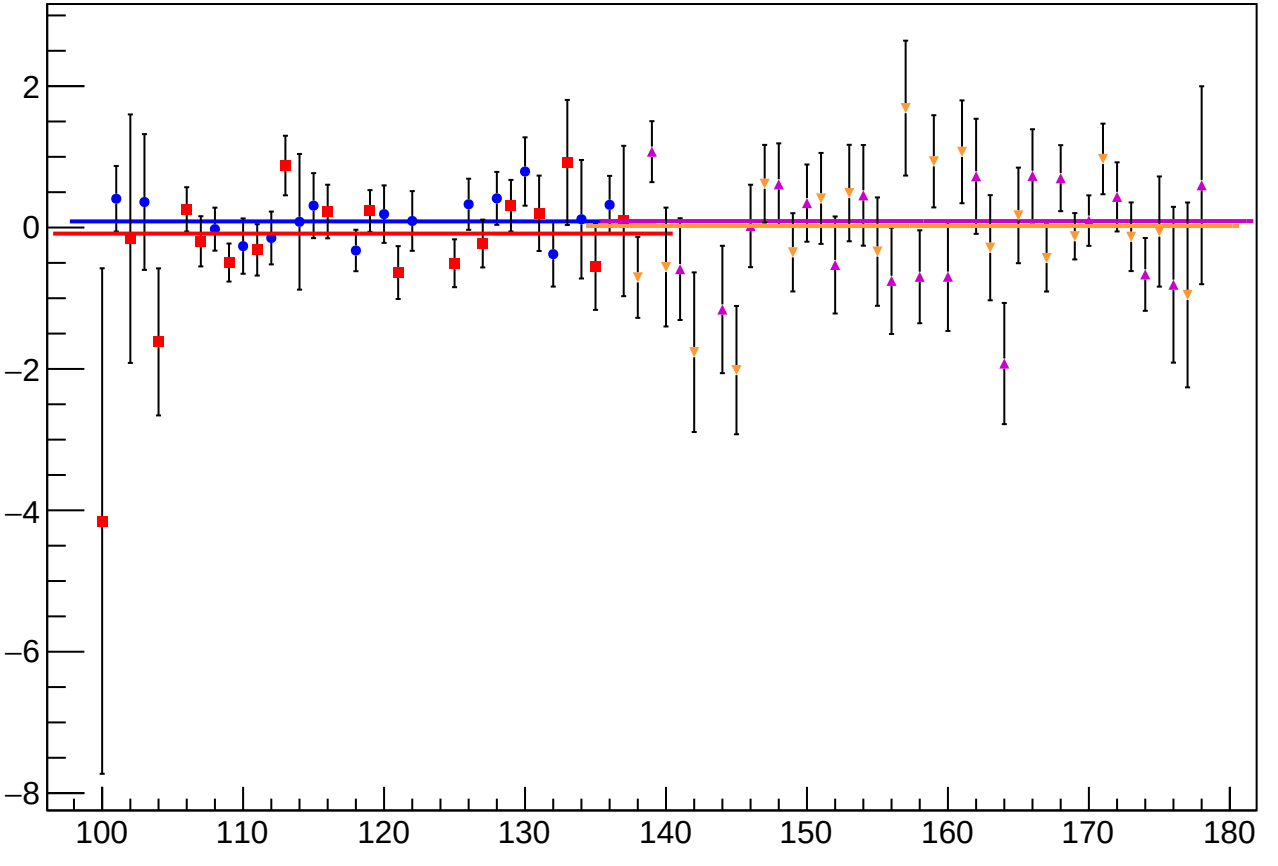
Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 359.263+/-0.059 χ^2/NDF:8255937.7/35

Out: 326.912+/-0.056 χ^2/NDF:10438846.2/37

All: 342.381+/-0.041 χ^2/NDF: 18853337.6/73

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: 0.091+/-0.135 χ^2/NDF:26.1/19

Left: 0.057+/-0.096 χ^2/NDF: 51.2/39

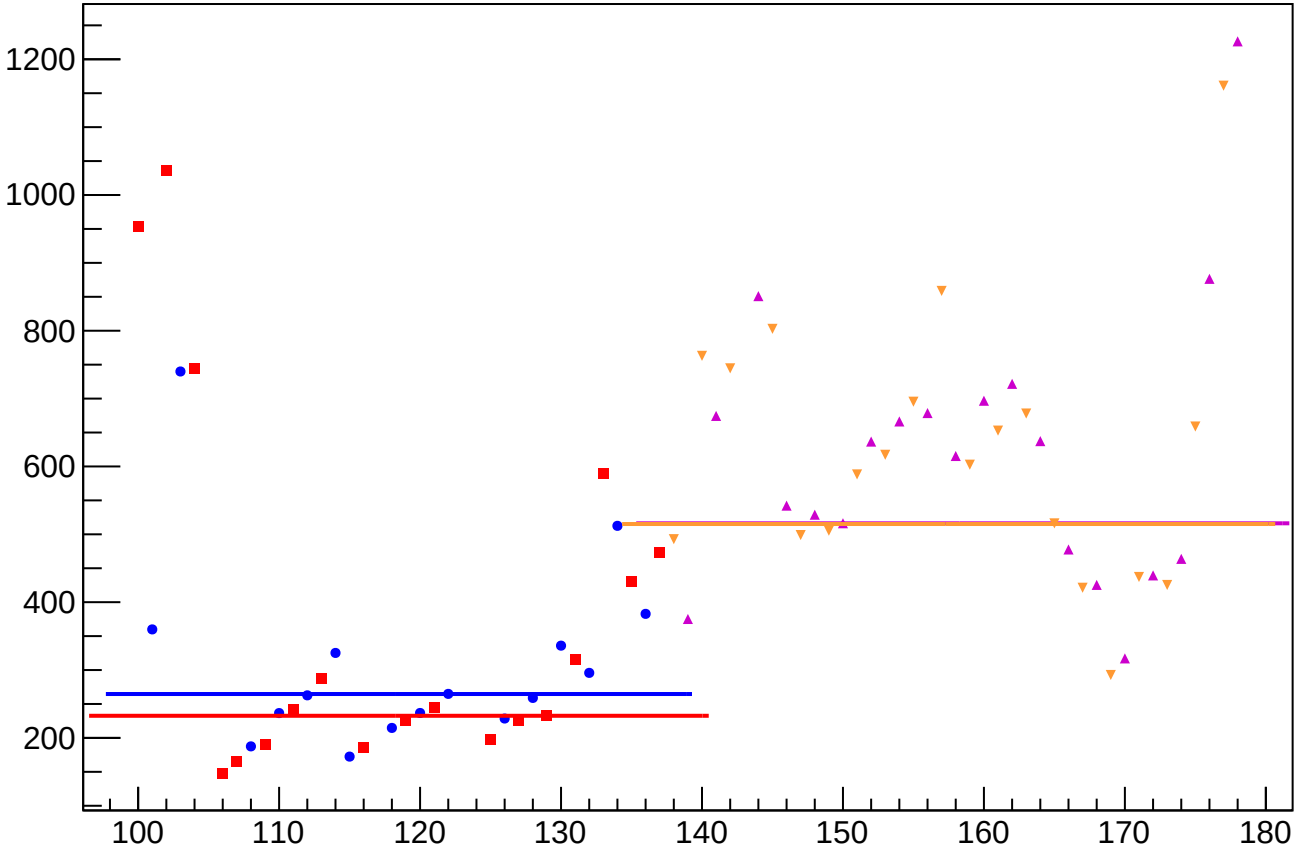
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.089+/-0.083 χ^2/NDF:34.9/35

Out: -0.050+/-0.079 χ^2/NDF:47.3/37

All: 0.016+/-0.057 χ^2/NDF: 83.6/73

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: 516.220+/-0.096 χ^2/NDF:2661627.3/19

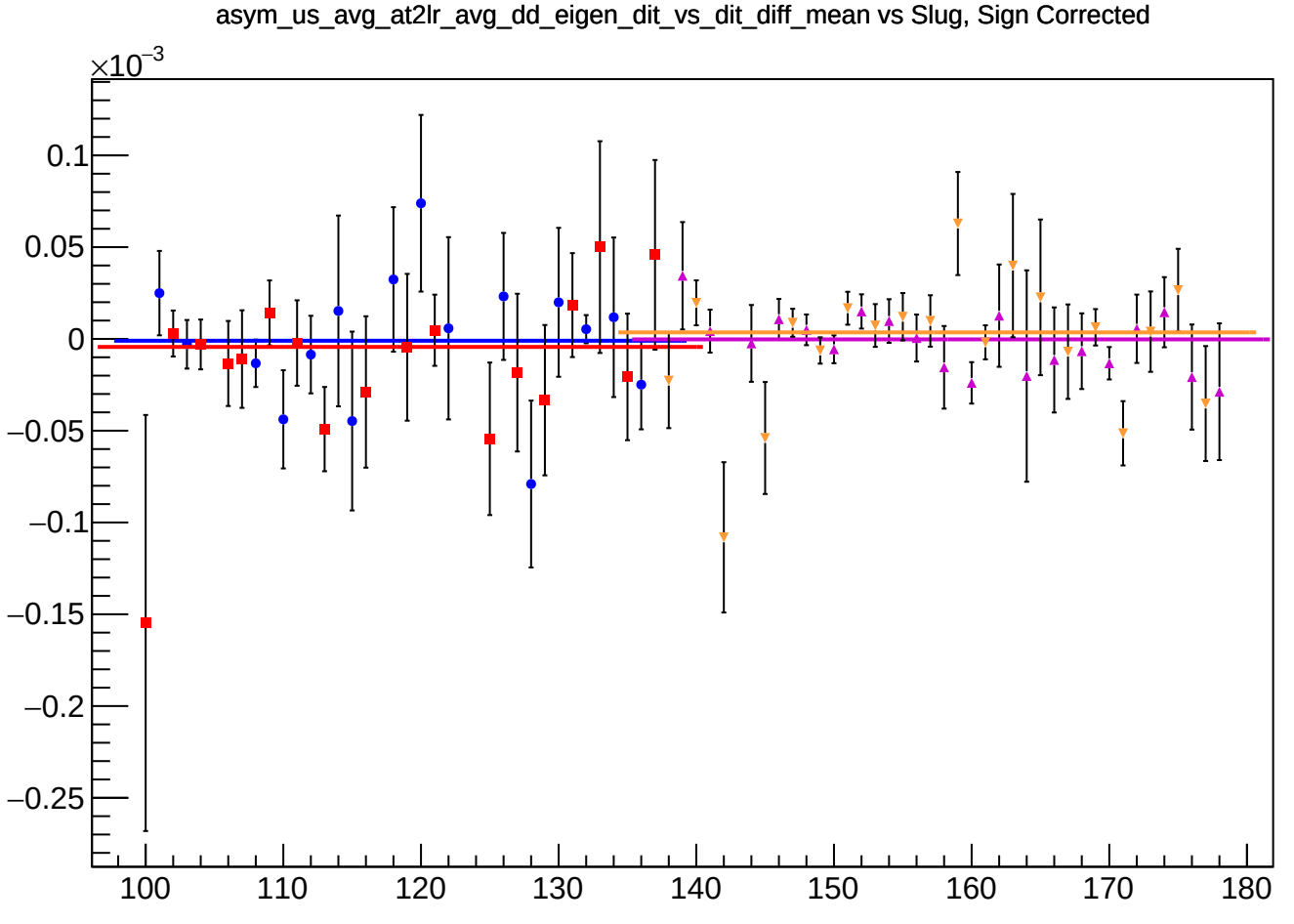
Left: 515.705+/-0.068 χ^2/NDF: 5441836.0/39

Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 359.263+/-0.059 χ^2/NDF:8255937.7/35

Out: 326.912+/-0.056 χ^2/NDF:10438846.2/37

All: 342.381+/-0.041 χ^2/NDF: 18853337.6/73



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:16.2/19

Left: 0.000+/-0.000 χ^2/NDF: 54.6/39

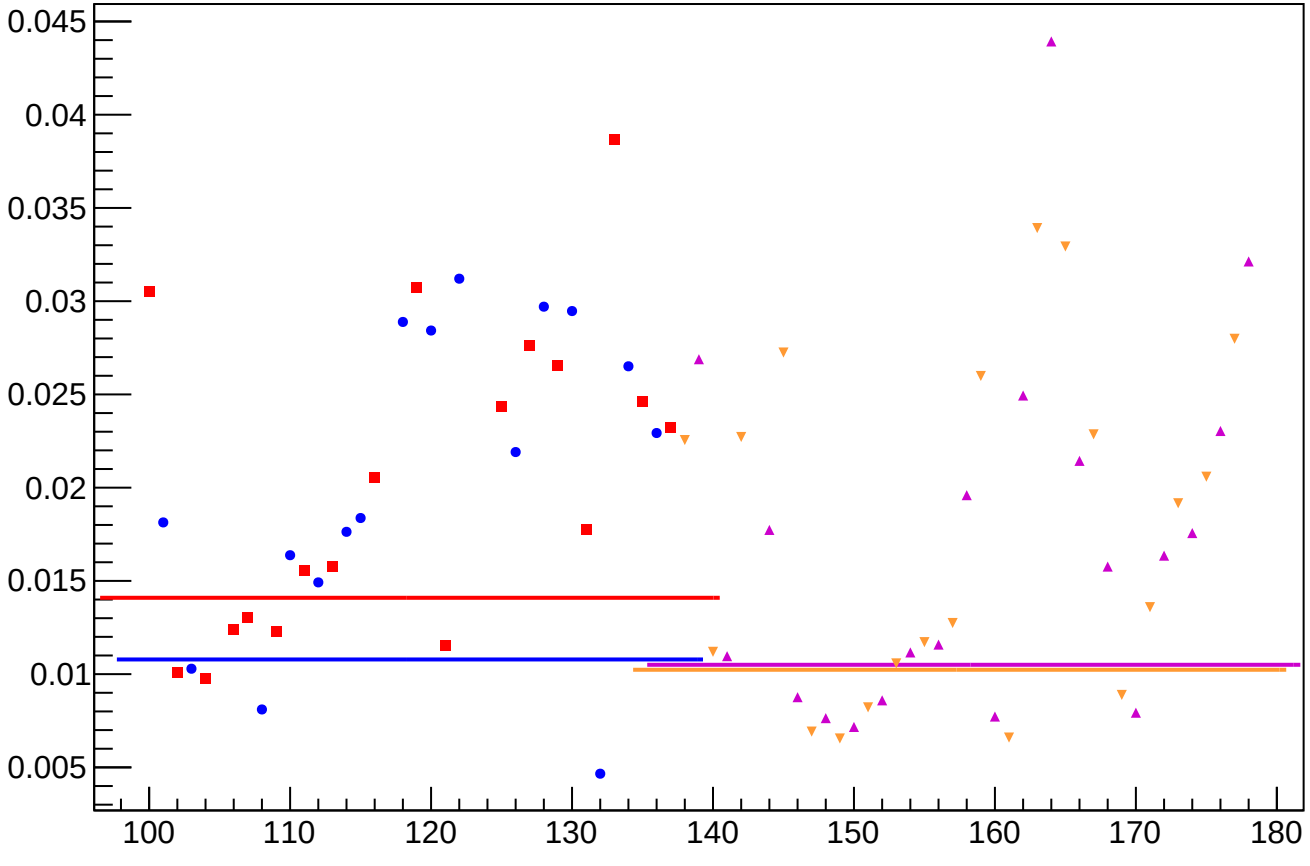
Right: -0.000+/-0.000 χ^2/NDF: 27.2/33

In: -0.000+/-0.000 χ^2/NDF:30.6/35

Out: 0.000+/-0.000 χ^2/NDF:51.6/37

All: 0.000+/-0.000 χ^2/NDF: 82.6/73

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: 0.011+/-0.000 χ^2/NDF:5423603.7/19

Left: 0.010+/-0.000 χ^2/NDF: 12041580.0/39

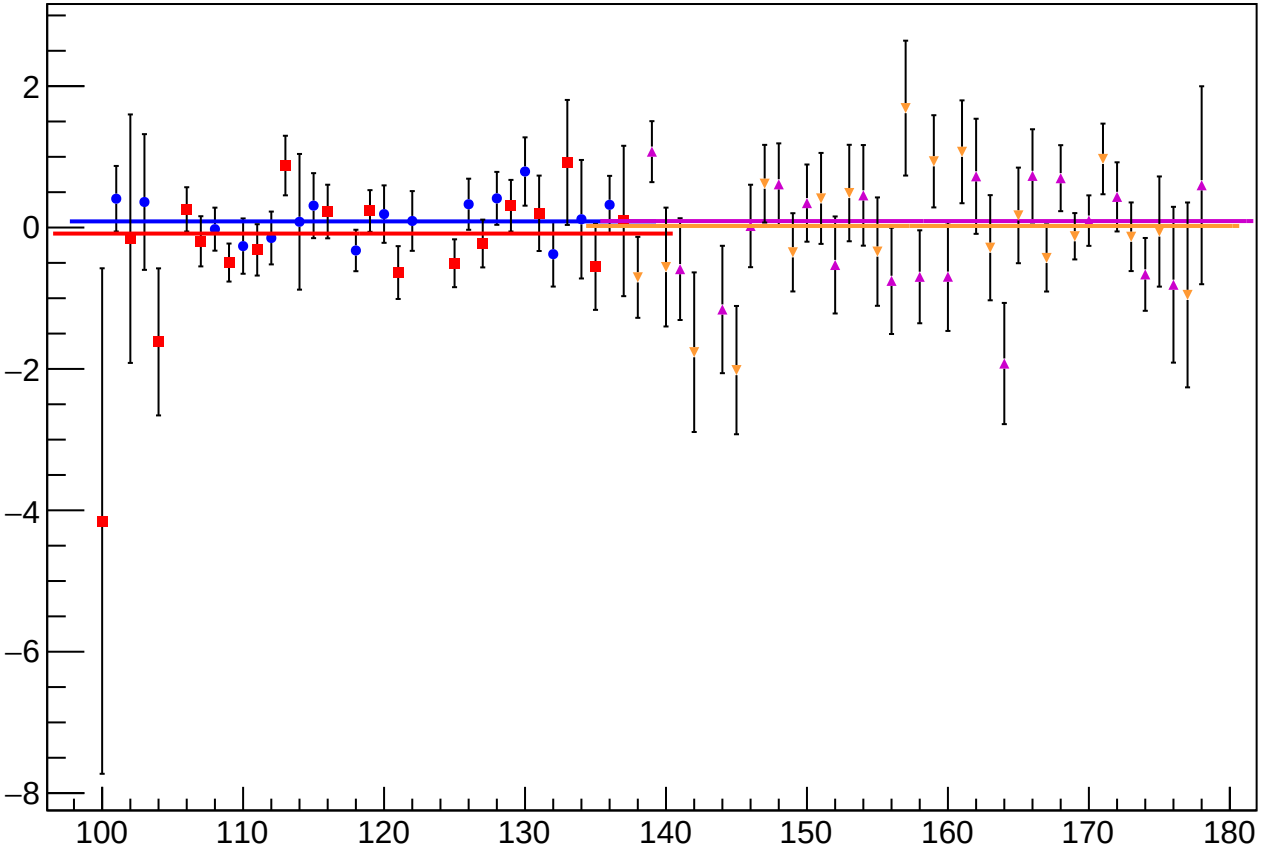
Right: 0.012+/-0.000 χ^2/NDF: 7045946.1/33

In: 0.011+/-0.000 χ^2/NDF:10008501.3/35

Out: 0.011+/-0.000 χ^2/NDF:9408191.4/37

All: 0.011+/-0.000 χ^2/NDF: 19451032.9/73

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.022+/-0.138 χ^2/NDF:25.0/19

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.091+/-0.135 χ^2/NDF:26.1/19

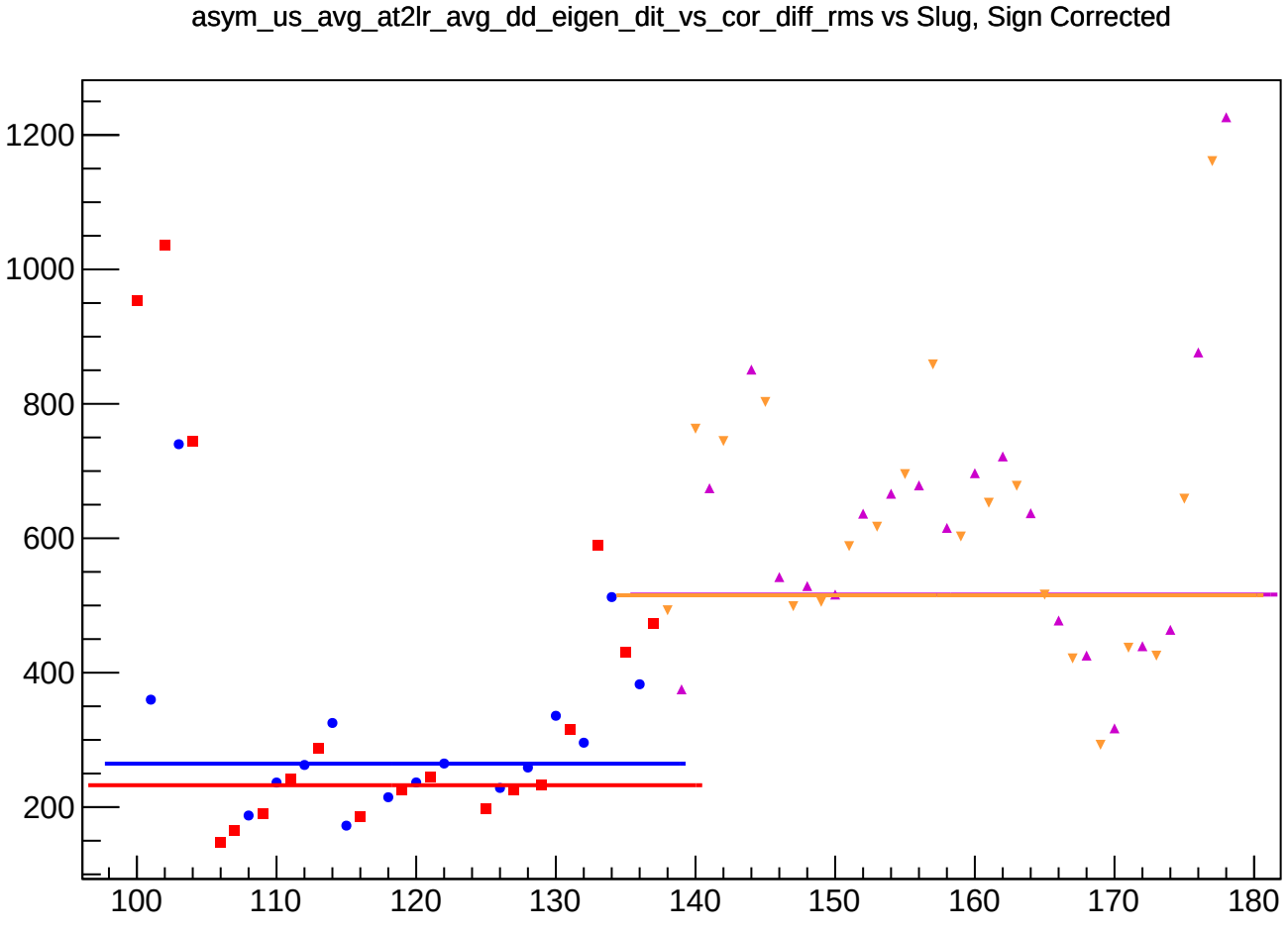
Left: 0.057+/-0.096 χ^2/NDF: 51.2/39

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

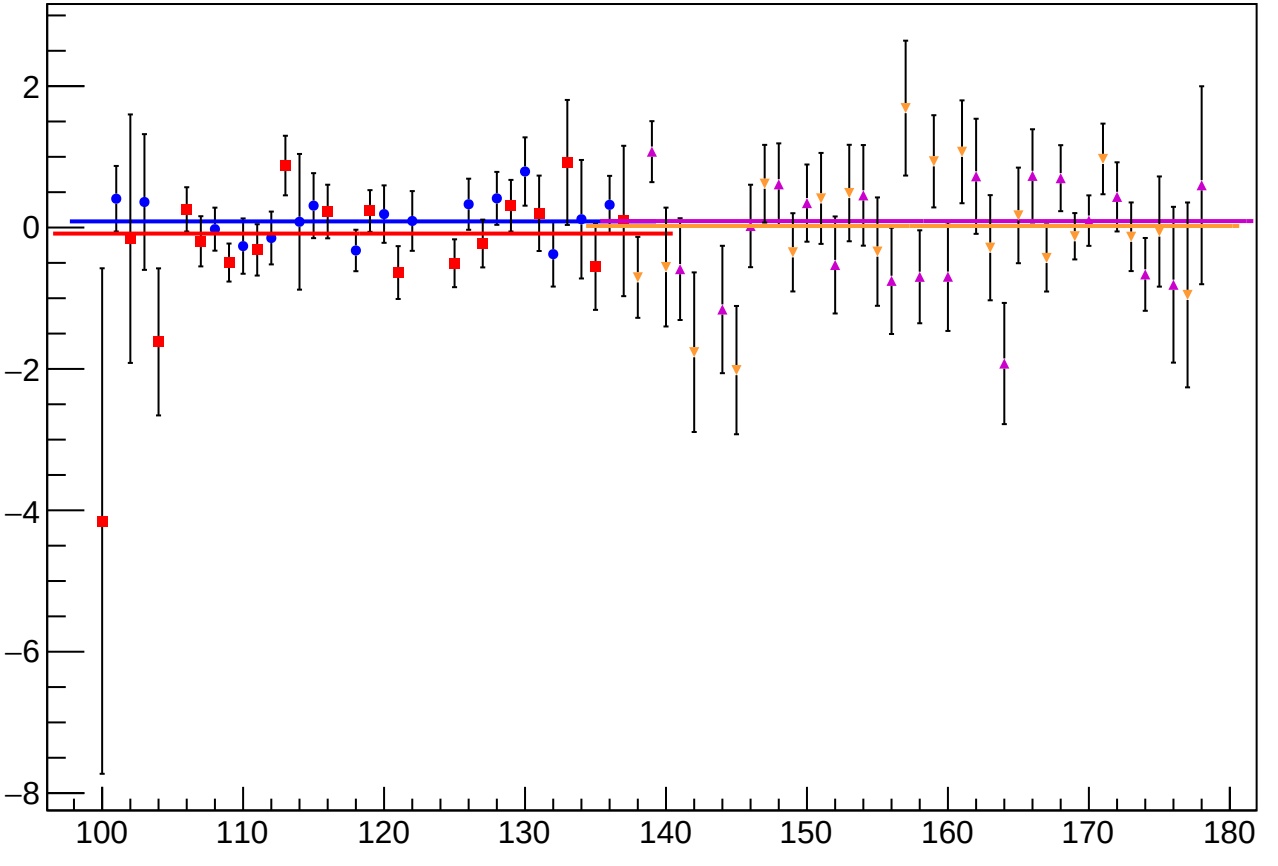
In: 0.089+/-0.083 χ^2/NDF:34.9/35

Out: -0.050+/-0.079 χ^2/NDF:47.3/37

All: 0.016+/-0.057 χ^2/NDF: 83.6/73


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
Right In: 264.667+/-0.074 χ²/NDF: 1283977.8/15
Left Out: 515.175+/-0.097 χ²/NDF:2780291.4/19
Right Out: 232.596+/-0.069 χ²/NDF: 2032655.0/17
Left In: 516.223+/-0.096 χ²/NDF:2661697.0/19
Left: 515.707+/-0.068 χ²/NDF: 5442047.4/39
Right: 247.407+/-0.050 χ²/NDF: 3416901.3/33
In: 359.263+/-0.059 χ²/NDF:8256055.0/35
Out: 326.913+/-0.056 χ²/NDF:10438933.9/37
All: 342.381+/-0.041 χ²/NDF: 18853537.6/73

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.022+/-0.138 χ^2/NDF:25.0/19

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.091+/-0.135 χ^2/NDF:26.1/19

Left: 0.057+/-0.096 χ^2/NDF: 51.2/39

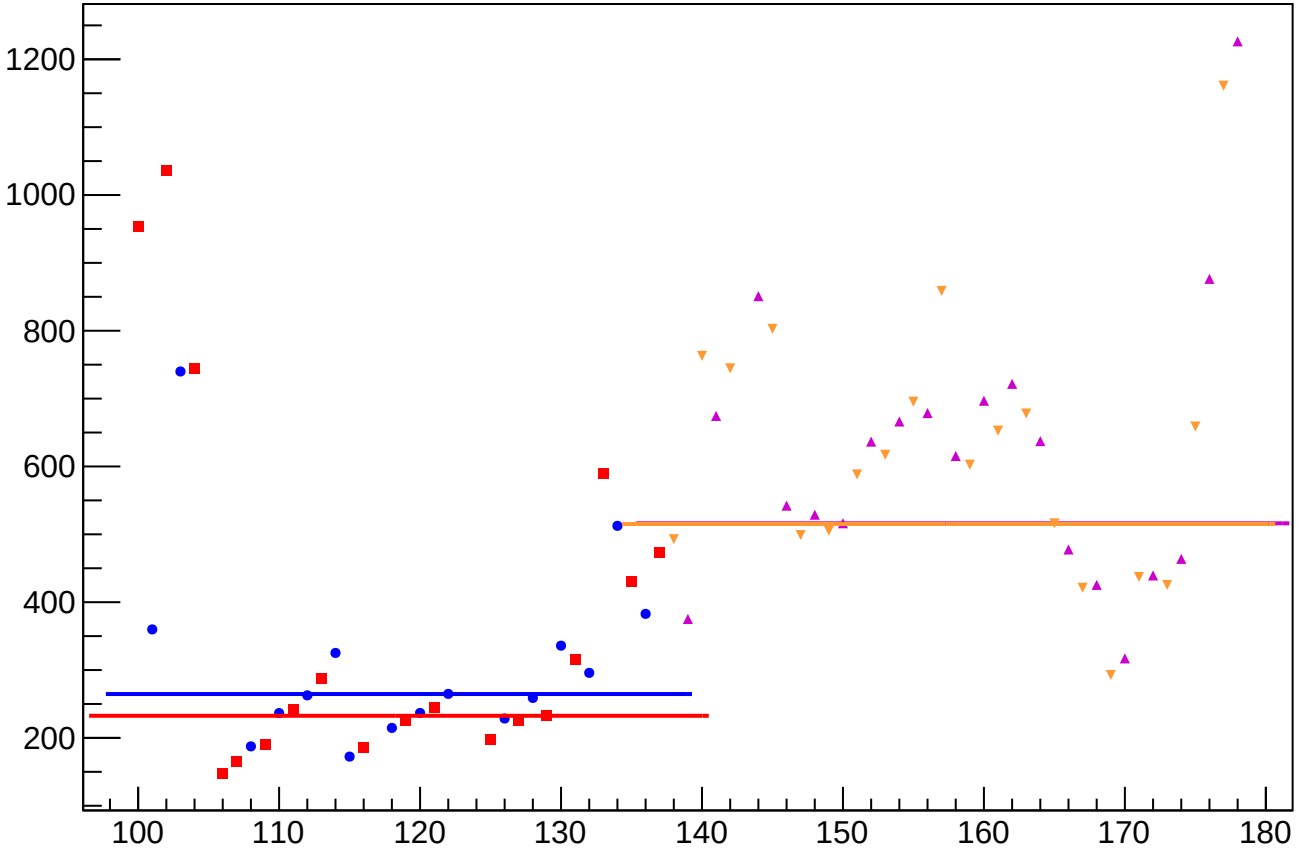
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.089+/-0.083 χ^2/NDF:34.9/35

Out: -0.050+/-0.079 χ^2/NDF:47.3/37

All: 0.016+/-0.057 χ^2/NDF: 83.6/73

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: 516.223+/-0.096 χ^2/NDF:2661697.0/19

Left: 515.707+/-0.068 χ^2/NDF: 5442047.4/39

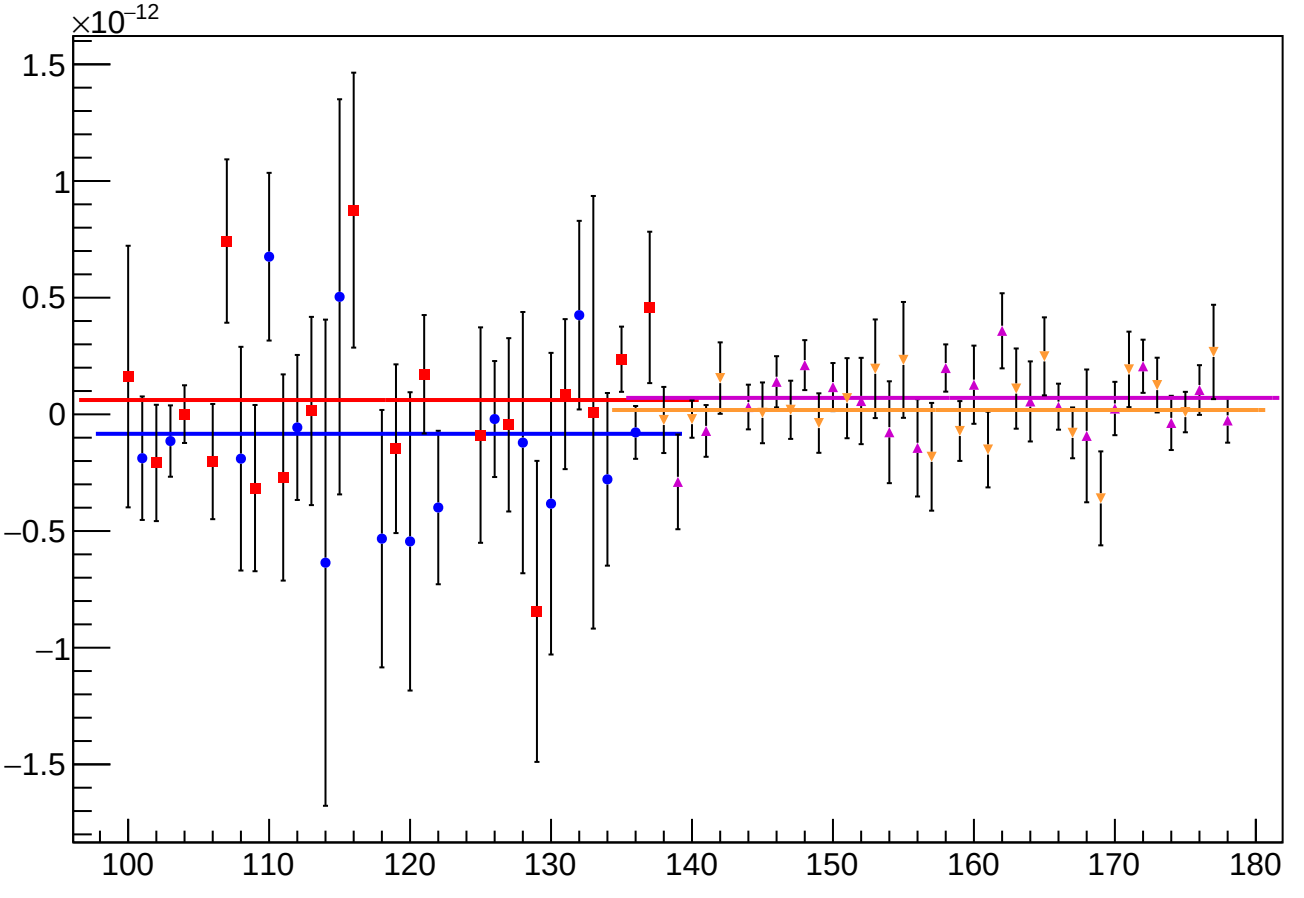
Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 359.263+/-0.059 χ^2/NDF:8256055.0/35

Out: 326.913+/-0.056 χ^2/NDF:10438933.9/37

All: 342.381+/-0.041 χ^2/NDF: 18853537.6/73

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:17.7/19

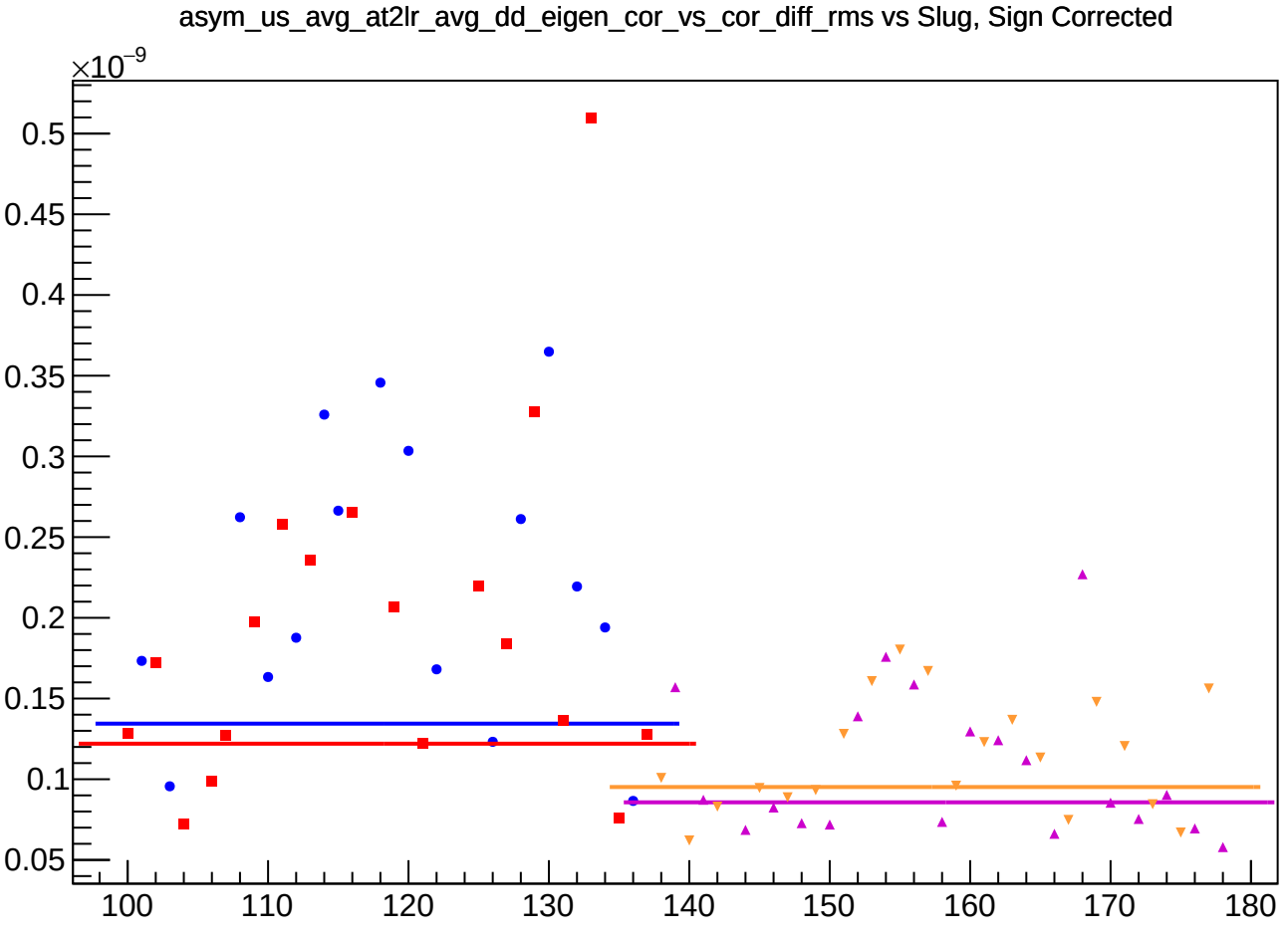
Left: 0.000+/-0.000 χ^2/NDF: 34.5/39

Right: -0.000+/-0.000 χ^2/NDF: 27.8/33

In: 0.000+/-0.000 χ^2/NDF:31.7/35

Out: 0.000+/-0.000 χ^2/NDF:31.3/37

All: 0.000+/-0.000 χ^2/NDF: 63.4/73



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:2263674.4/19

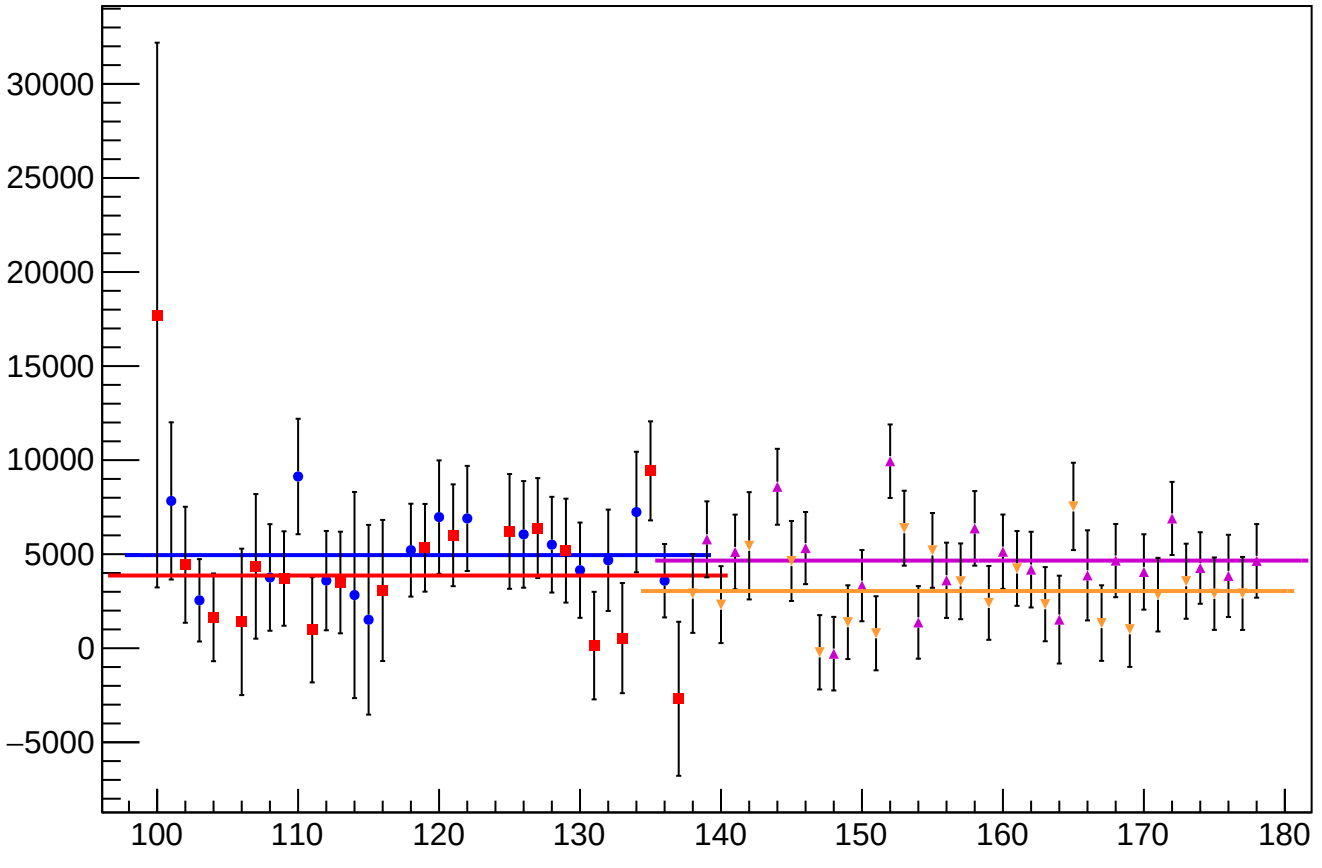
Left: 0.000+/-0.000 χ^2/NDF: 4297194.0/39

Right: 0.000+/-0.000 χ^2/NDF: 3852912.0/33

In: 0.000+/-0.000 χ^2/NDF:4937786.4/35

Out: 0.000+/-0.000 χ^2/NDF:4214401.1/37

All: 0.000+/-0.000 χ^2/NDF: 9233525.8/73



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: 4658.675+/-448.248 χ^2/NDF:26.0/19

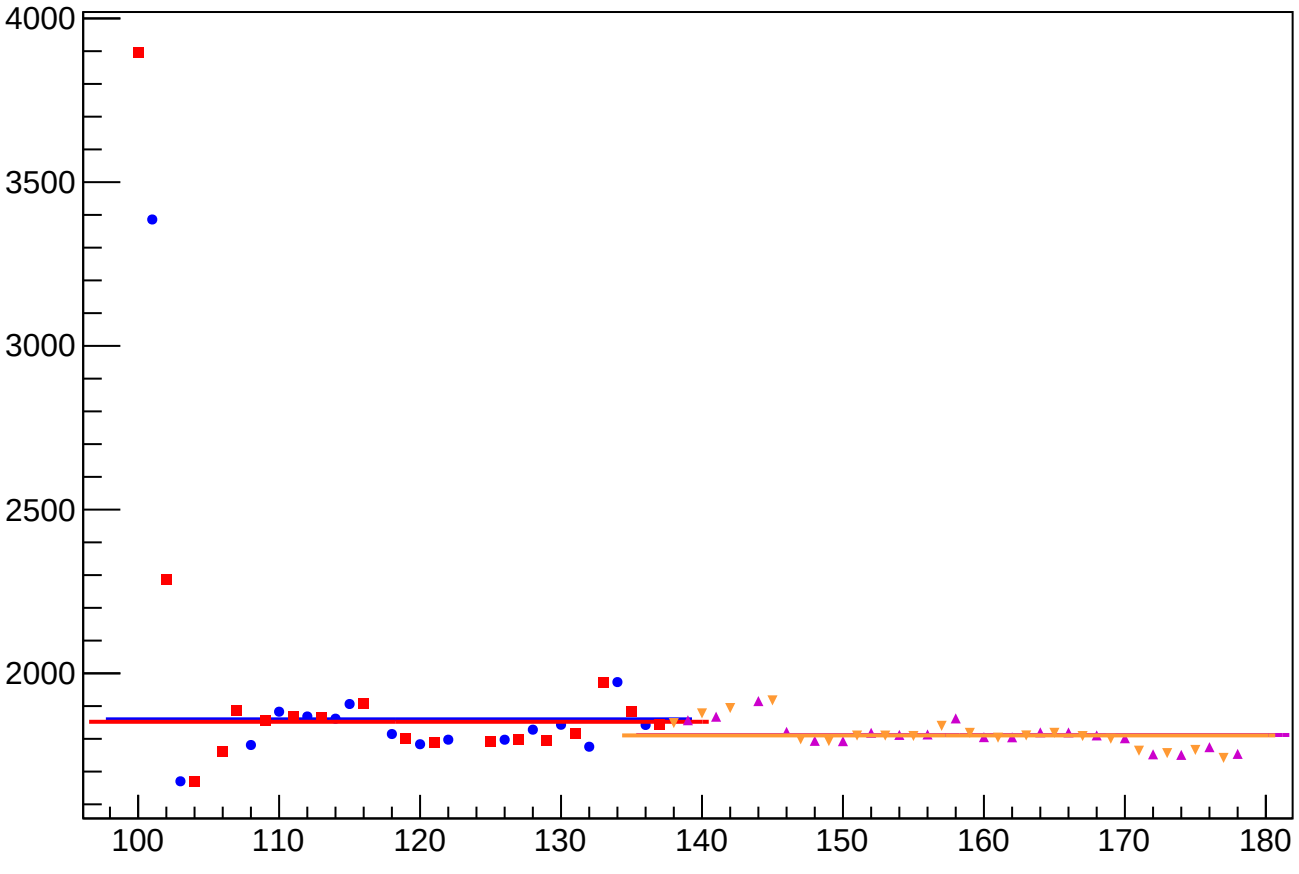
Left: 3860.494+/-319.202 χ^2/NDF: 48.8/39

Right: 4405.277+/-493.103 χ^2/NDF: 24.2/33

In: 4743.671+/-377.319 χ^2/NDF:33.0/35

Out: 3286.426+/-380.605 χ^2/NDF:33.5/37

All: 4021.368+/-267.959 χ^2/NDF: 73.9/73



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: 1811.751+/-0.317 χ^2/NDF:15925.8/19

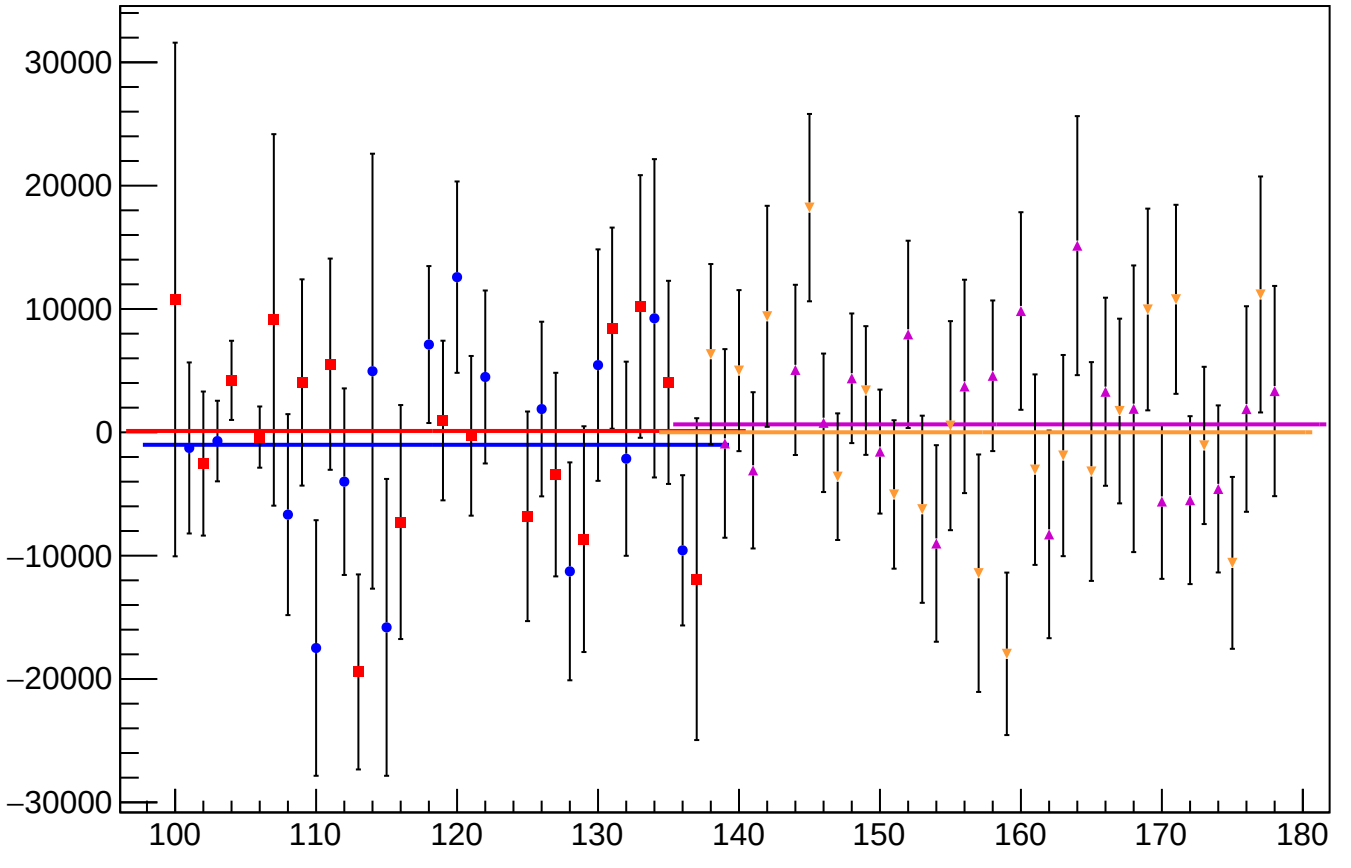
Left: 1811.107+/-0.226 χ^2/NDF: 32488.8/39

Right: 1855.759+/-0.348 χ^2/NDF: 394661.4/33

In: 1825.669+/-0.267 χ^2/NDF:314877.0/35

Out: 1822.951+/-0.269 χ^2/NDF:123803.6/37

All: 1824.321+/-0.189 χ^2/NDF: 438732.2/73



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: 645.563+/-1573.015 χ^2/NDF:11.4/19

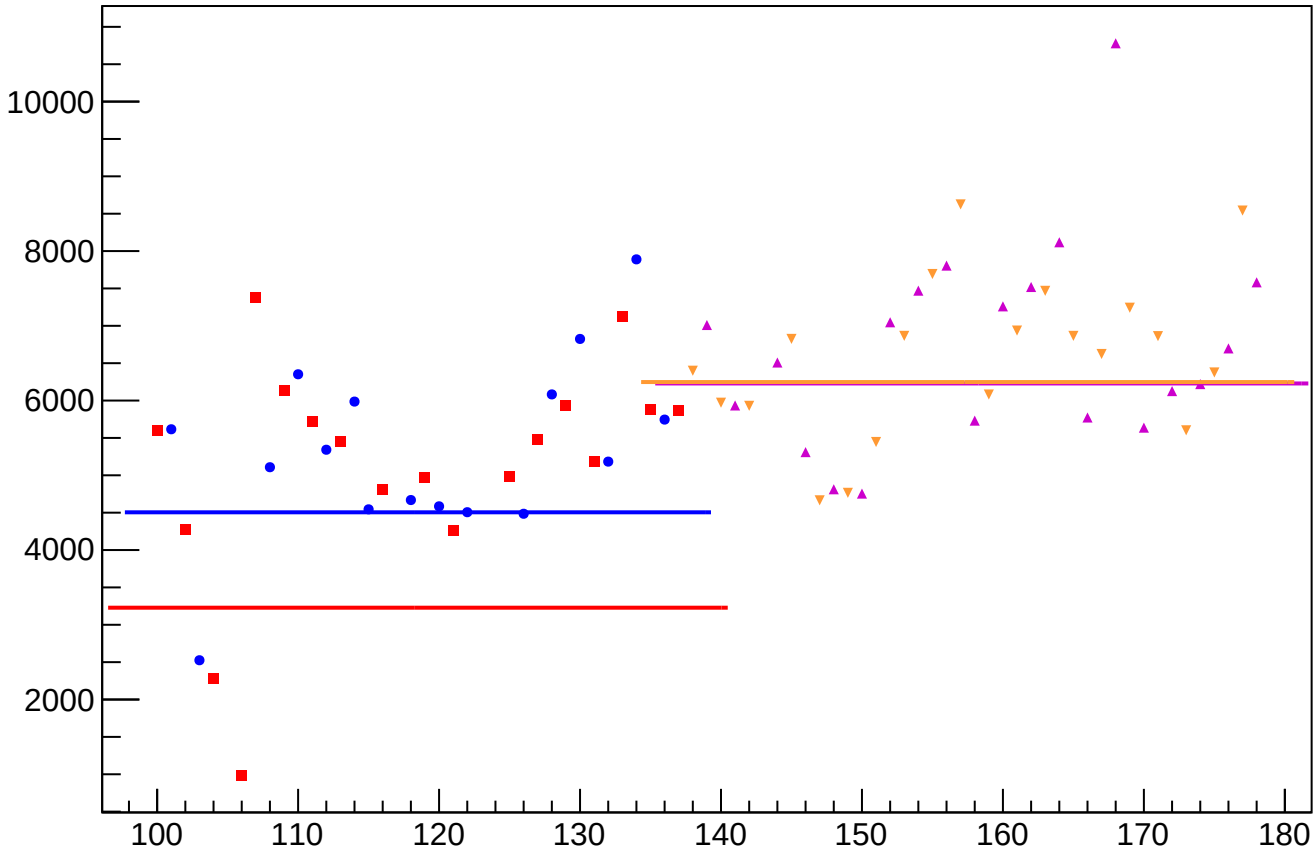
Left: 330.897+/-1122.266 χ^2/NDF: 38.4/39

Right: -336.636+/-1114.867 χ^2/NDF: 29.6/33

In: -87.820+/-1174.081 χ^2/NDF:26.7/35

Out: 63.674+/-1070.217 χ^2/NDF:41.5/37

All: -5.077+/-790.933 χ^2/NDF: 68.2/73



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: 6228.716+/-1.112 χ^2/NDF:1084440.2/19

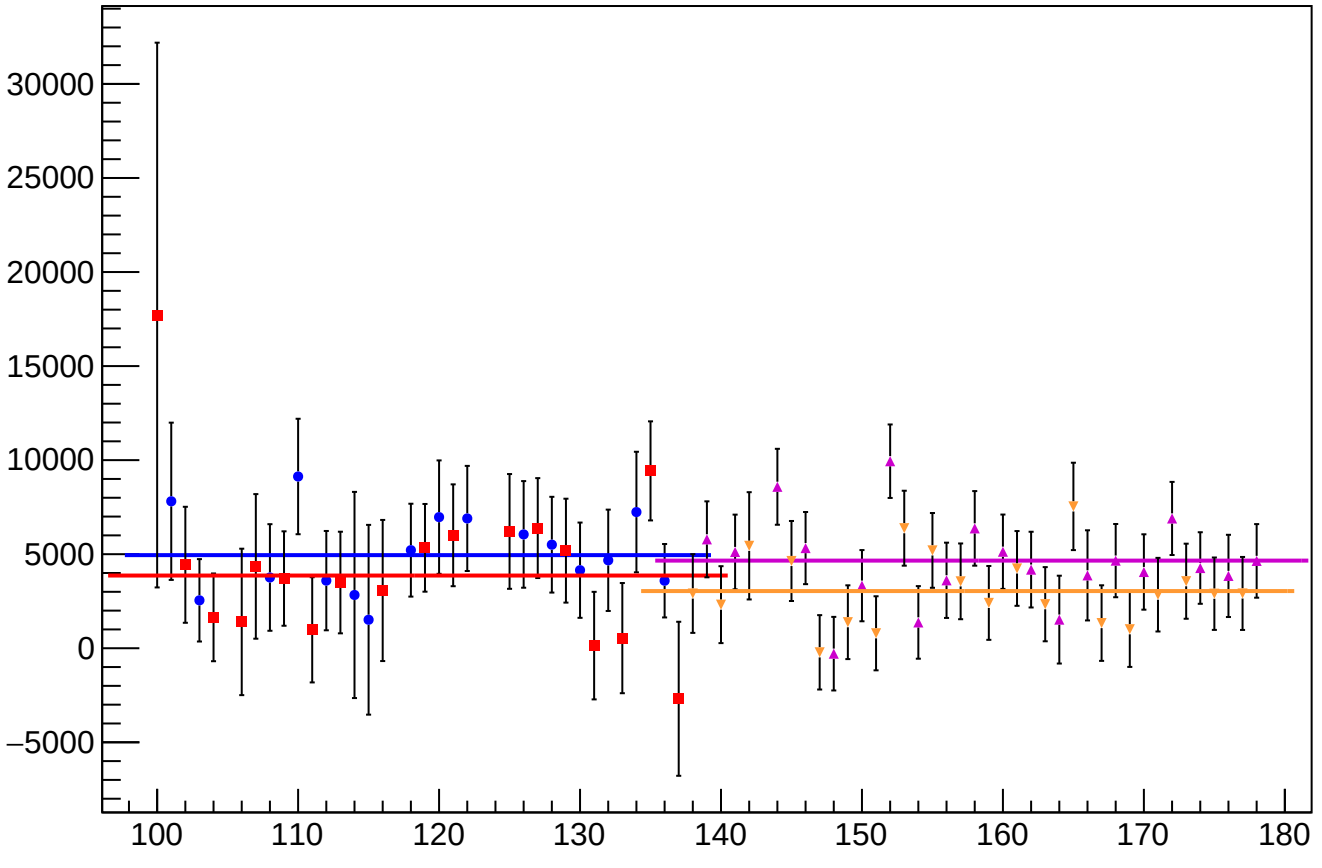
Left: 6238.011+/-0.794 χ^2/NDF: 1938795.5/39

Right: 3738.256+/-0.788 χ^2/NDF: 5906121.0/33

In: 5465.181+/-0.830 χ^2/NDF:3469472.6/35

Out: 4576.619+/-0.757 χ^2/NDF:8743979.4/37

All: 4979.866+/-0.559 χ^2/NDF: 12839122.8/7



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: 4658.687+/-448.248 χ^2/NDF:26.0/19

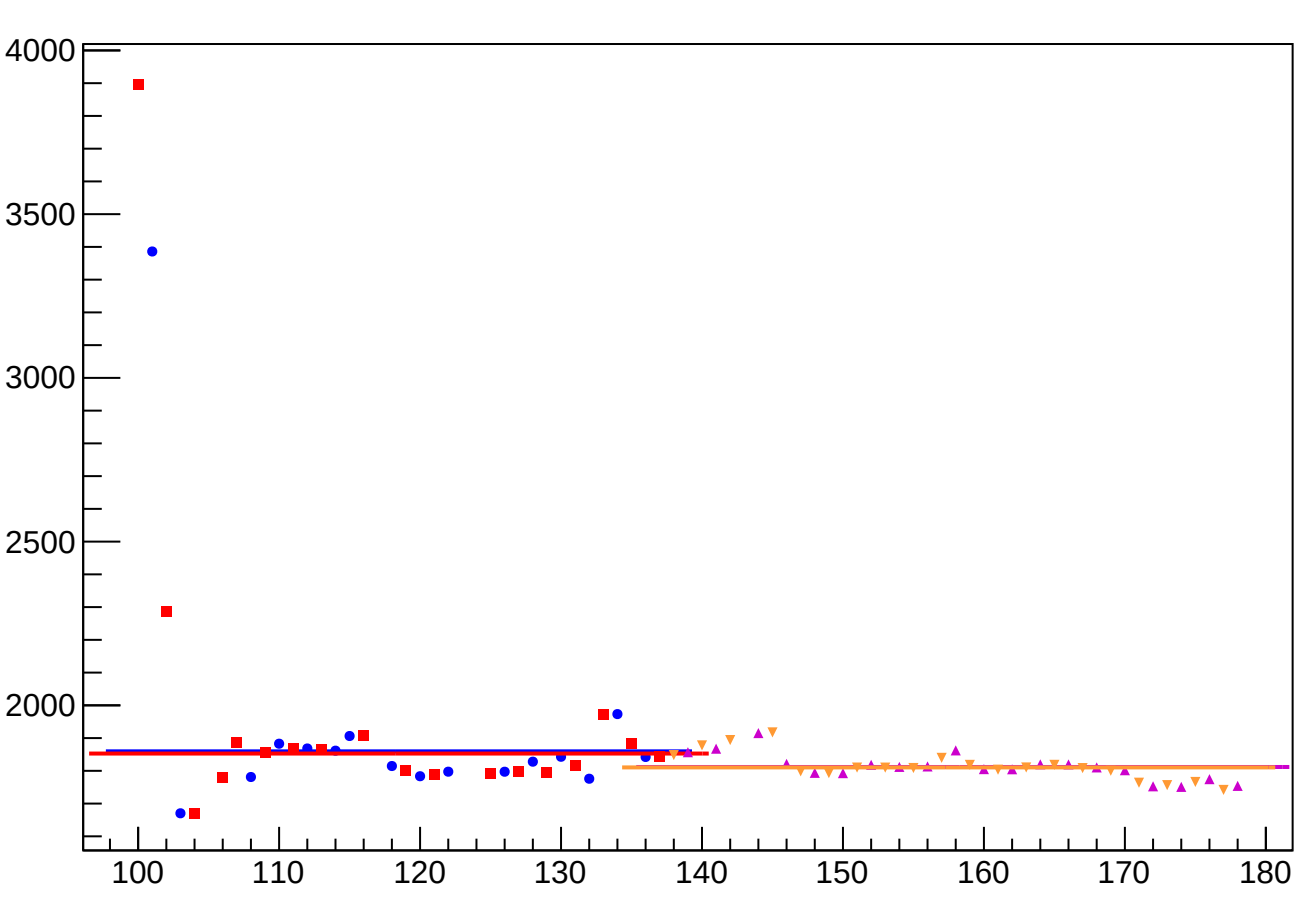
Left: 3860.463+/-319.202 χ^2/NDF: 48.8/39

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4743.538+/-377.319 χ^2/NDF:33.0/35

Out: 3286.310+/-380.605 χ^2/NDF:33.5/37

All: 4021.243+/-267.959 χ^2/NDF: 73.9/73



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: 1811.751+/-0.317 χ^2/NDF:15925.8/19

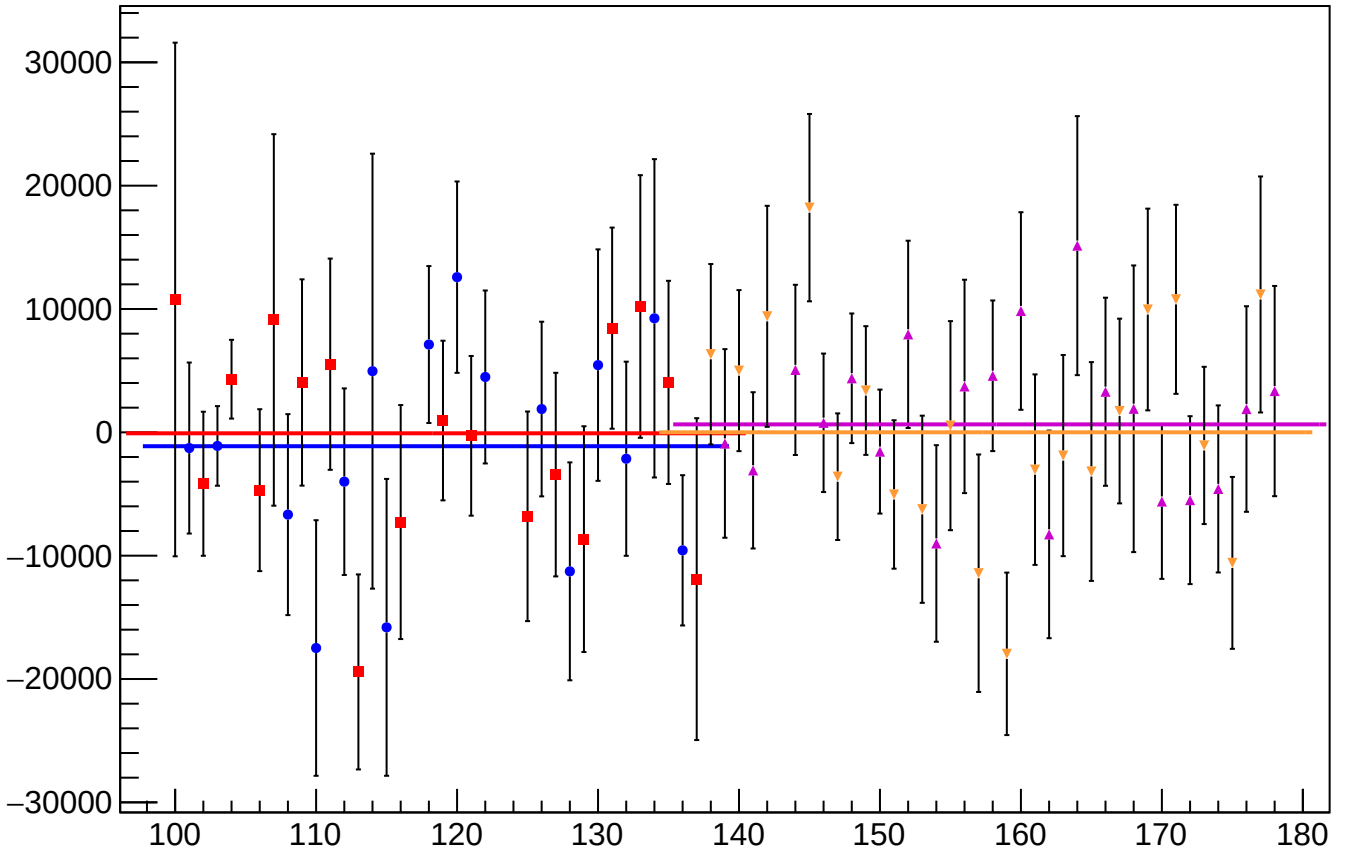
Left: 1811.107+/-0.226 χ^2/NDF: 32488.8/39

Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1825.669+/-0.267 χ^2/NDF:314878.9/35

Out: 1823.158+/-0.269 χ^2/NDF:123511.5/37

All: 1824.423+/-0.189 χ^2/NDF: 438434.3/73



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: 645.662+/-1573.016 χ^2/NDF:11.4/19

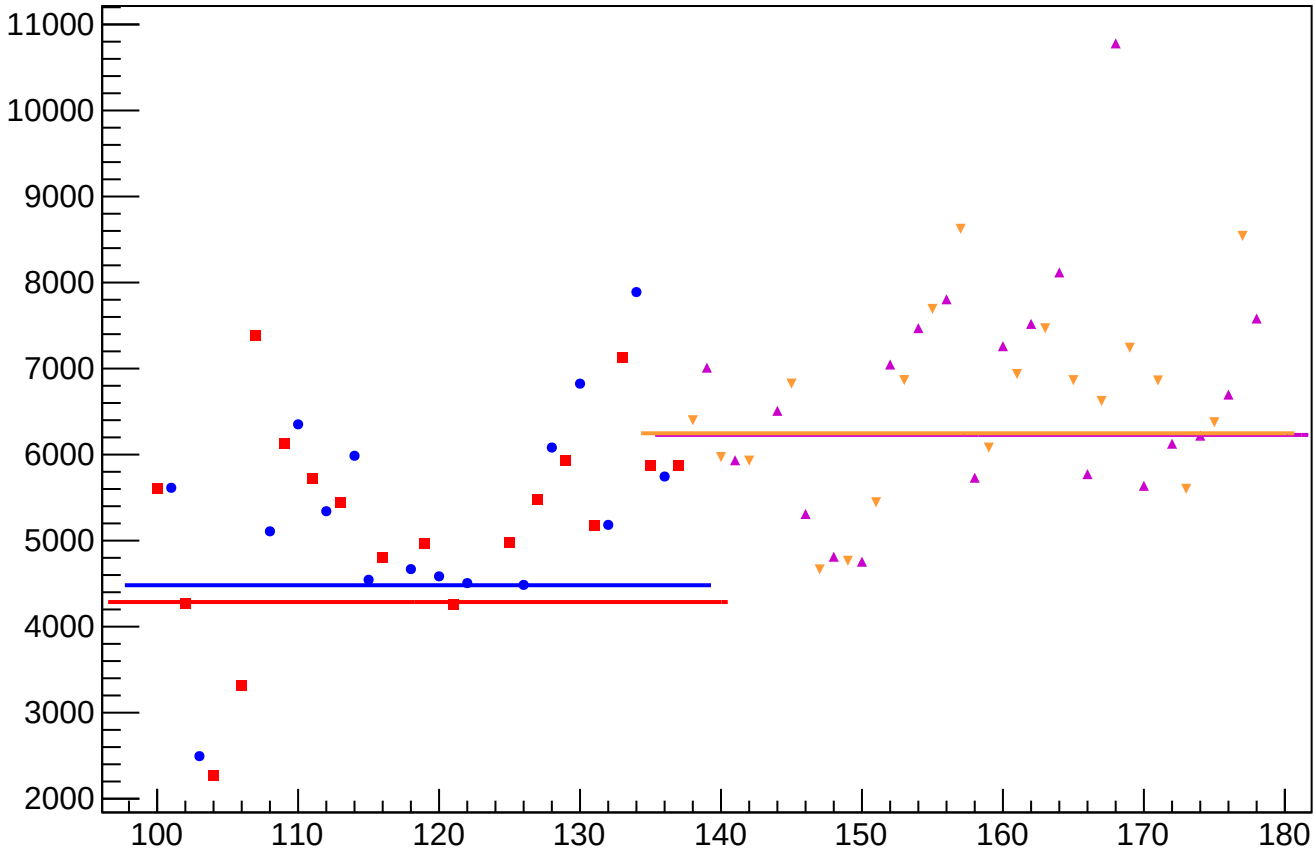
Left: 330.927+/-1122.266 χ^2/NDF: 38.4/39

Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -141.953+/-1172.217 χ^2/NDF:26.7/35

Out: -34.286+/-1166.531 χ^2/NDF:42.4/37

All: -87.858+/-826.865 χ^2/NDF: 69.2/73



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: 6228.716+/-1.112 χ^2/NDF:1084448.3/19

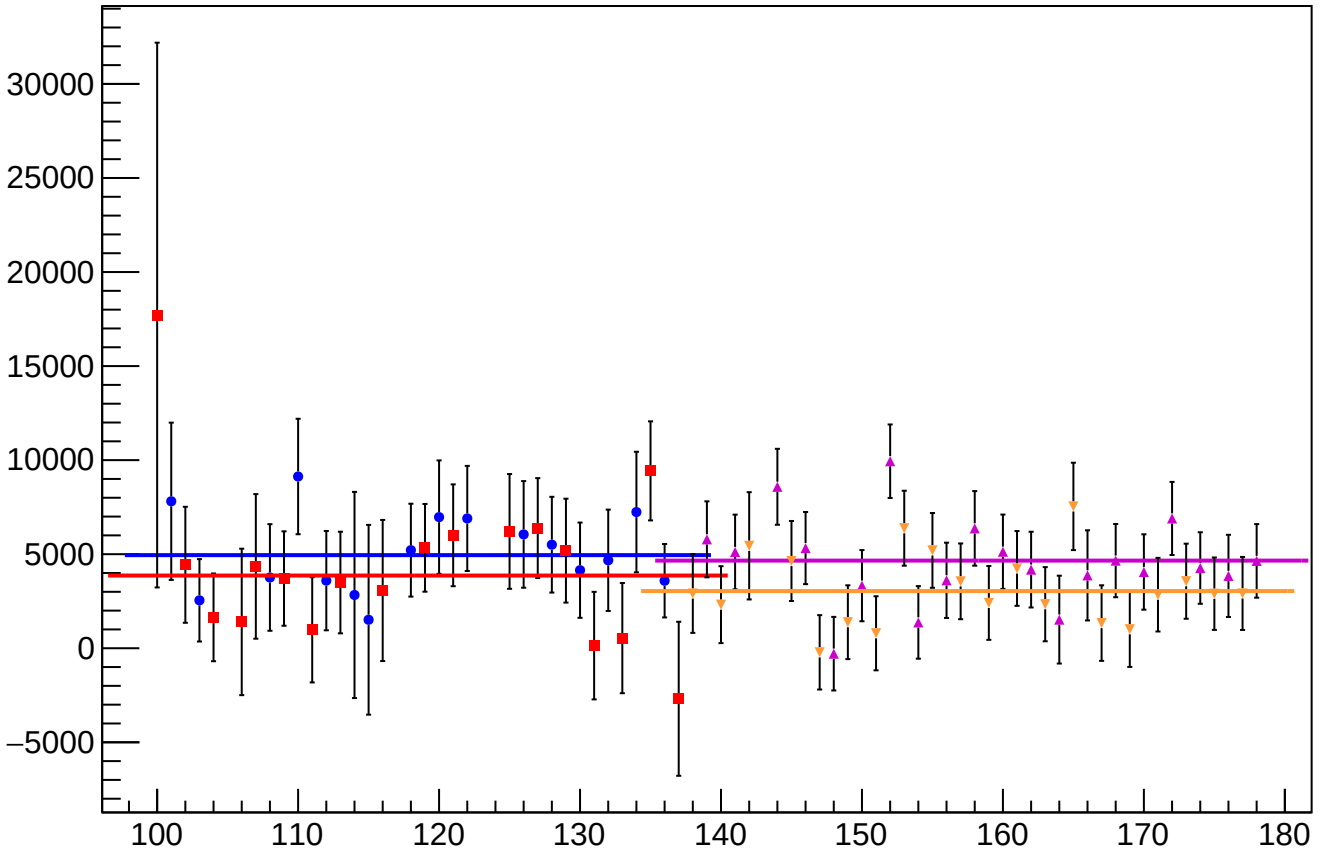
Left: 6238.009+/-0.794 χ^2/NDF: 1938812.3/39

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 5451.787+/-0.829 χ^2/NDF:3543907.6/35

Out: 5326.685+/-0.825 χ^2/NDF:3812532.5/37

All: 5388.932+/-0.585 χ^2/NDF: 7367885.0/73



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: 4658.687+/-448.248 χ^2/NDF:26.0/19

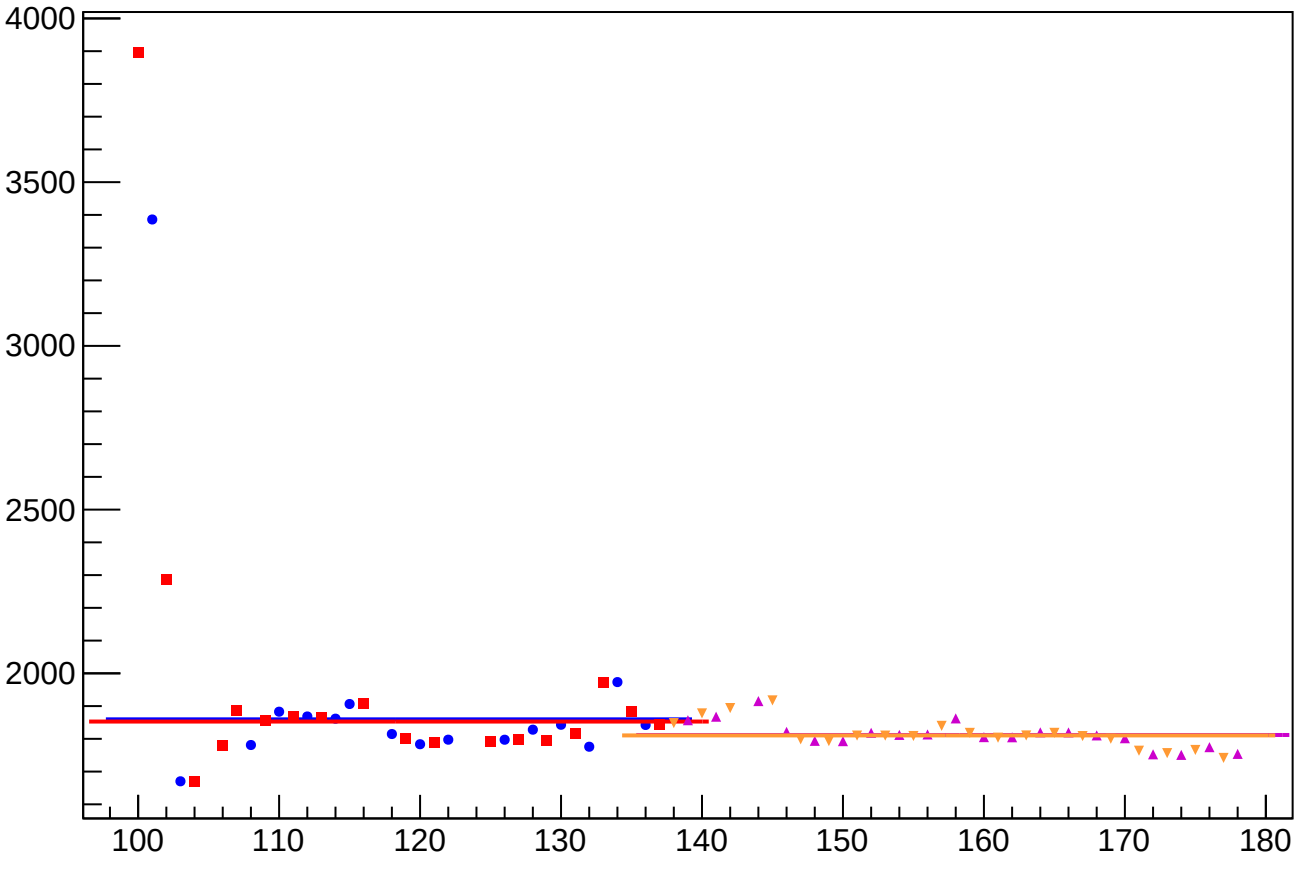
Left: 3860.463+/-319.202 χ^2/NDF: 48.8/39

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4743.538+/-377.319 χ^2/NDF:33.0/35

Out: 3286.310+/-380.605 χ^2/NDF:33.5/37

All: 4021.243+/-267.959 χ^2/NDF: 73.9/73



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: 1811.751+/-0.317 χ^2/NDF:15925.8/19

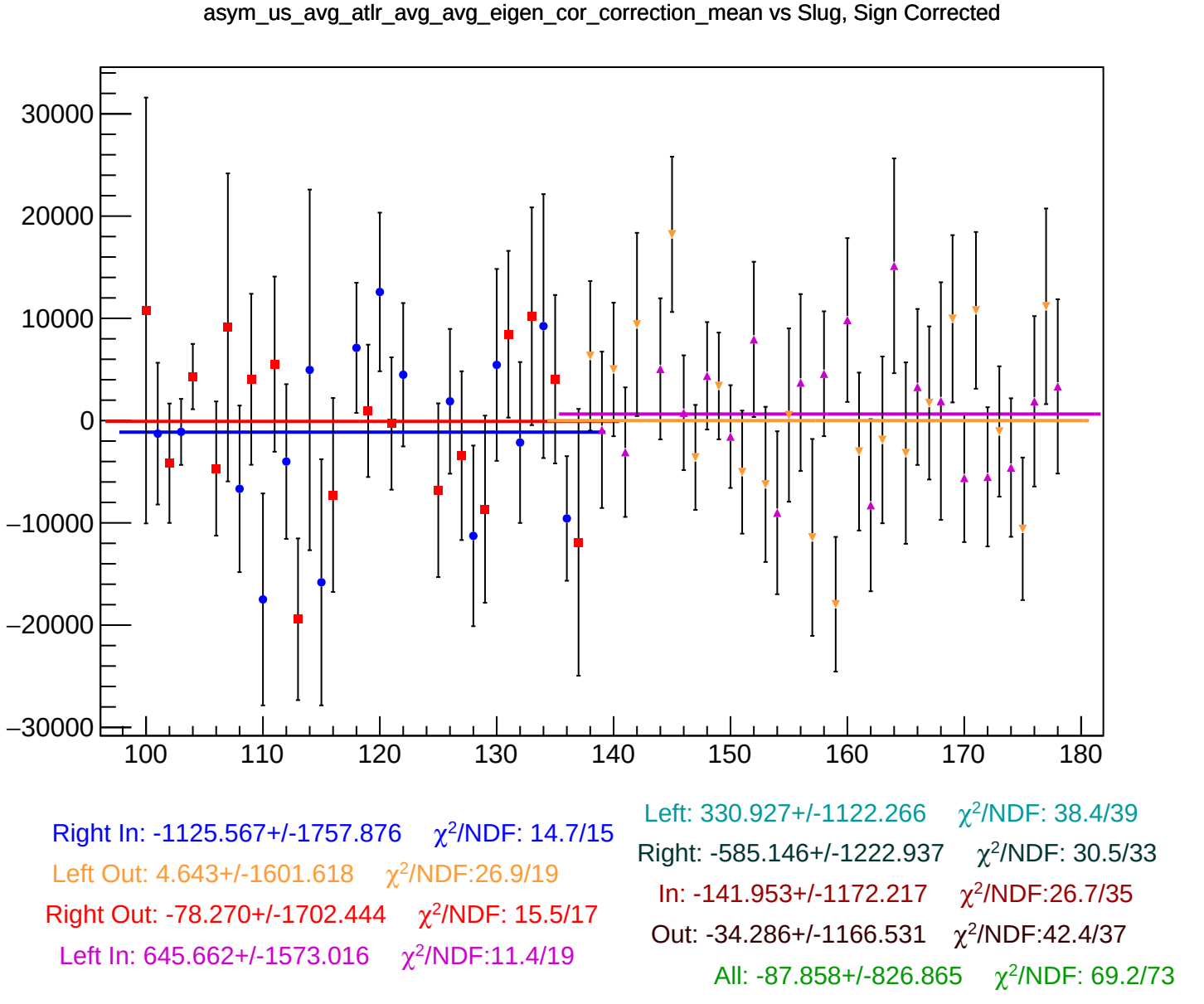
Left: 1811.107+/-0.226 χ^2/NDF: 32488.8/39

Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

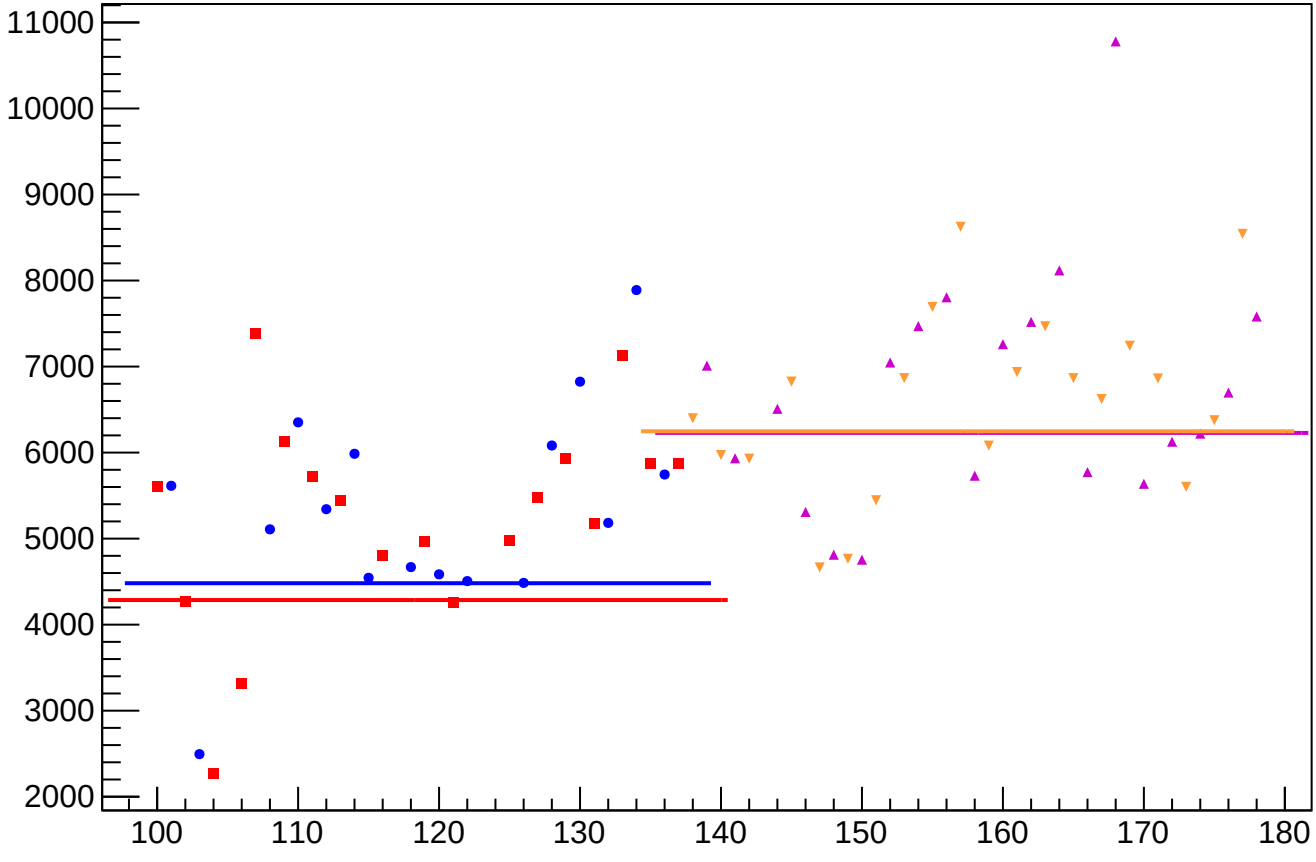
In: 1825.669+/-0.267 χ^2/NDF:314878.9/35

Out: 1823.158+/-0.269 χ^2/NDF:123511.5/37

All: 1824.423+/-0.189 χ^2/NDF: 438434.3/73


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: 645.662+/-1573.016 χ²/NDF:11.4/19
Left: 330.927+/-1122.266 χ²/NDF: 38.4/39
Right: -585.146+/-1222.937 χ²/NDF: 30.5/33
In: -141.953+/-1172.217 χ²/NDF:26.7/35
Out: -34.286+/-1166.531 χ²/NDF:42.4/37
All: -87.858+/-826.865 χ²/NDF: 69.2/73

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: 6228.716+/-1.112 χ^2/NDF:1084448.3/19

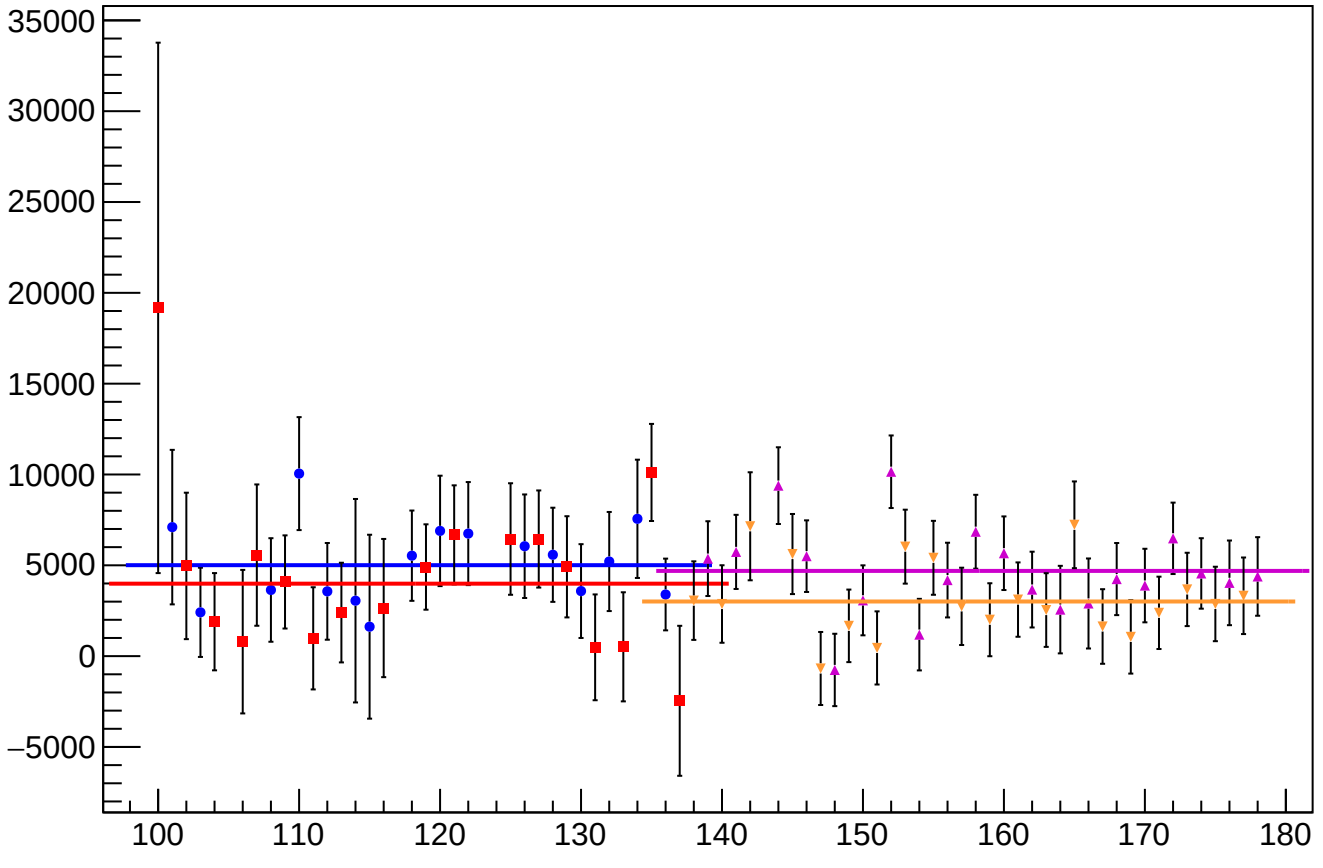
Left: 6238.009+/-0.794 χ^2/NDF: 1938812.3/39

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 5451.787+/-0.829 χ^2/NDF:3543907.6/35

Out: 5326.685+/-0.825 χ^2/NDF:3812532.5/37

All: 5388.932+/-0.585 χ^2/NDF: 7367885.0/73



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: 4691.766+/-461.523 χ^2/NDF:28.4/19

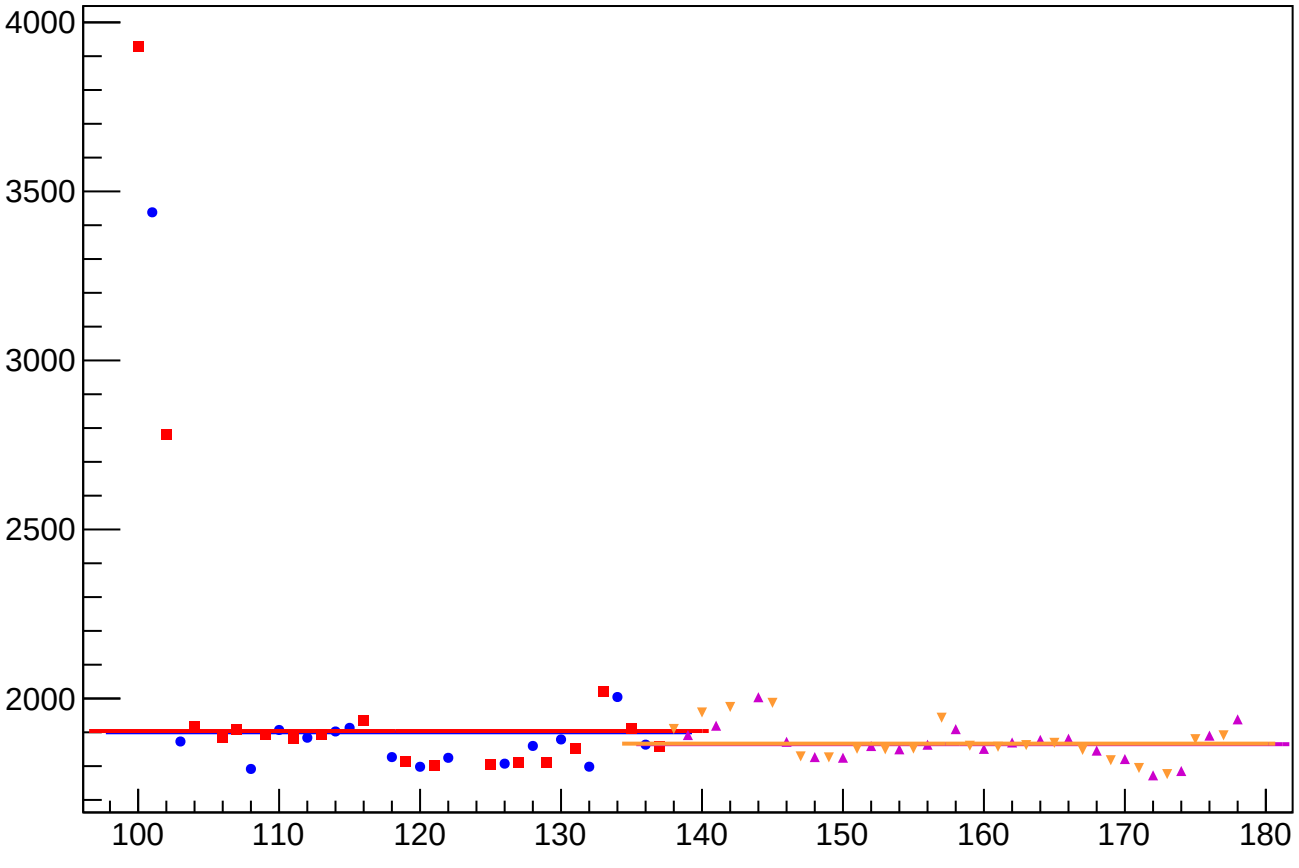
Left: 3863.161+/-328.917 χ^2/NDF: 52.4/39

Right: 4501.780+/-506.663 χ^2/NDF: 26.0/33

In: 4784.745+/-387.609 χ^2/NDF:36.2/35

Out: 3300.700+/-392.752 χ^2/NDF:36.1/37

All: 4052.503+/-275.881 χ^2/NDF: 79.6/73



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: 1864.881+/-0.326 χ^2/NDF:24804.1/19

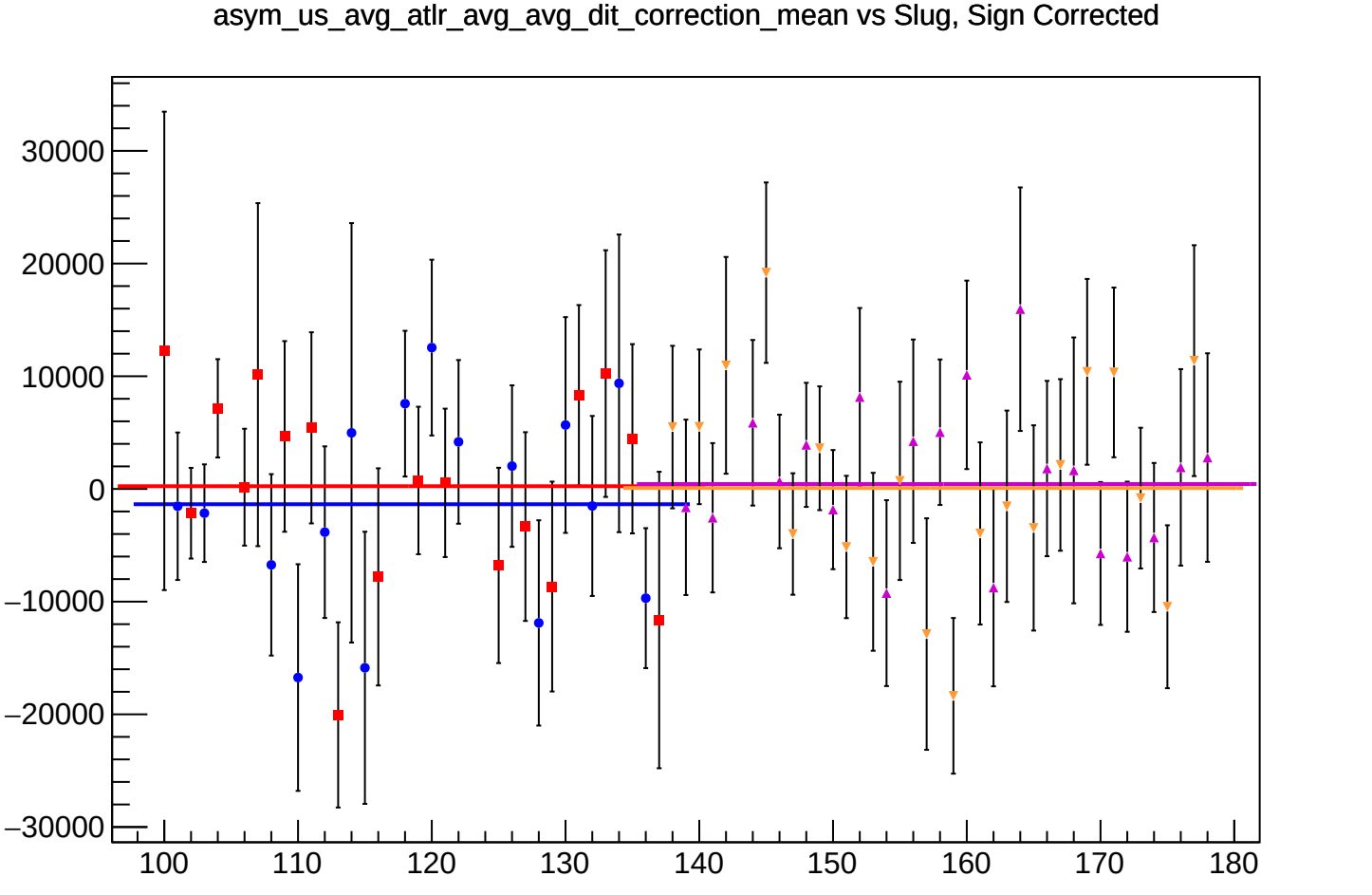
Left: 1865.685+/-0.233 χ^2/NDF: 50869.7/39

Right: 1901.958+/-0.358 χ^2/NDF: 428591.0/33

In: 1875.262+/-0.274 χ^2/NDF:306686.3/35

Out: 1877.665+/-0.278 χ^2/NDF:179953.6/37

All: 1876.448+/-0.195 χ^2/NDF: 486677.8/73



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: 433.279+/-1629.168 χ^2/NDF:11.5/19

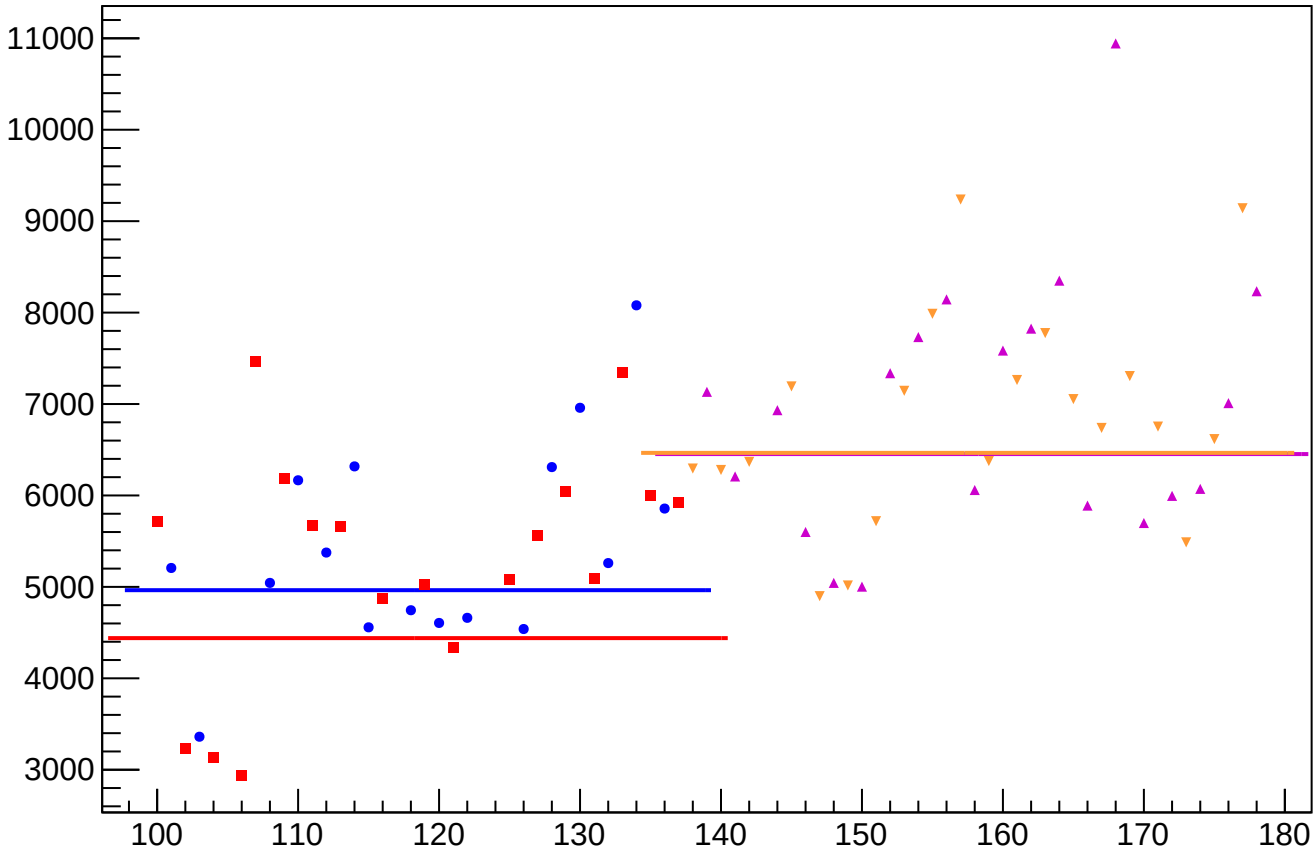
Left: 258.449+/-1161.800 χ^2/NDF: 38.0/39

Right: -476.778+/-1270.927 χ^2/NDF: 30.8/33

In: -326.961+/-1235.657 χ^2/NDF:26.7/35

Out: 156.655+/-1190.970 χ^2/NDF:42.3/37

All: -76.250+/-857.506 χ^2/NDF: 69.0/73



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 6465.813+/-1.172 χ^2/NDF:864502.7/19

Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 6452.649+/-1.152 χ^2/NDF:1074447.5/19

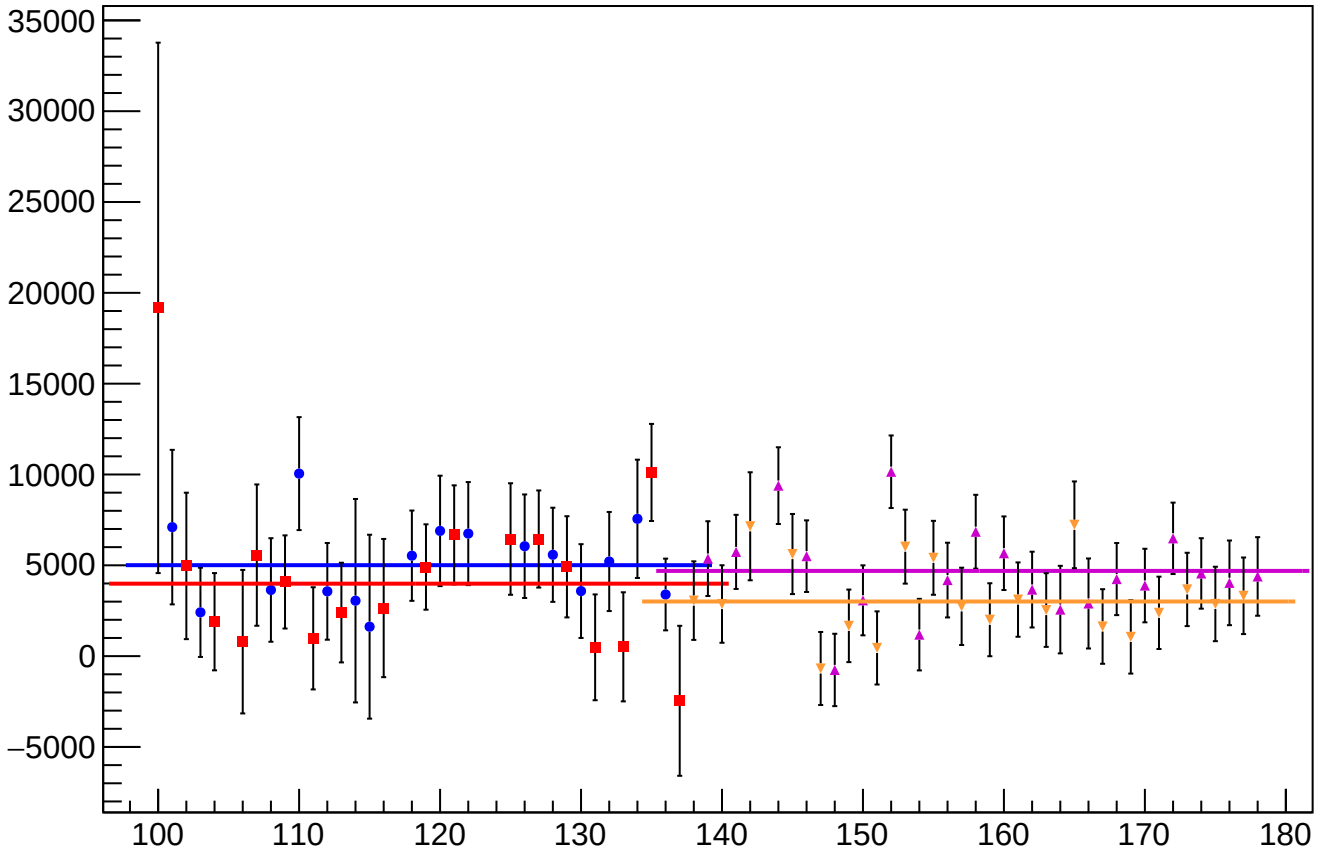
Left: 6459.119+/-0.822 χ^2/NDF: 1939014.4/39

Right: 4675.271+/-0.899 χ^2/NDF: 1870112.9/33

In: 5820.359+/-0.874 χ^2/NDF:2411087.9/35

Out: 5486.058+/-0.842 χ^2/NDF:3468575.3/37

All: 5647.054+/-0.606 χ^2/NDF: 5955552.9/73



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: 4691.770+/-461.523 χ^2/NDF:28.4/19

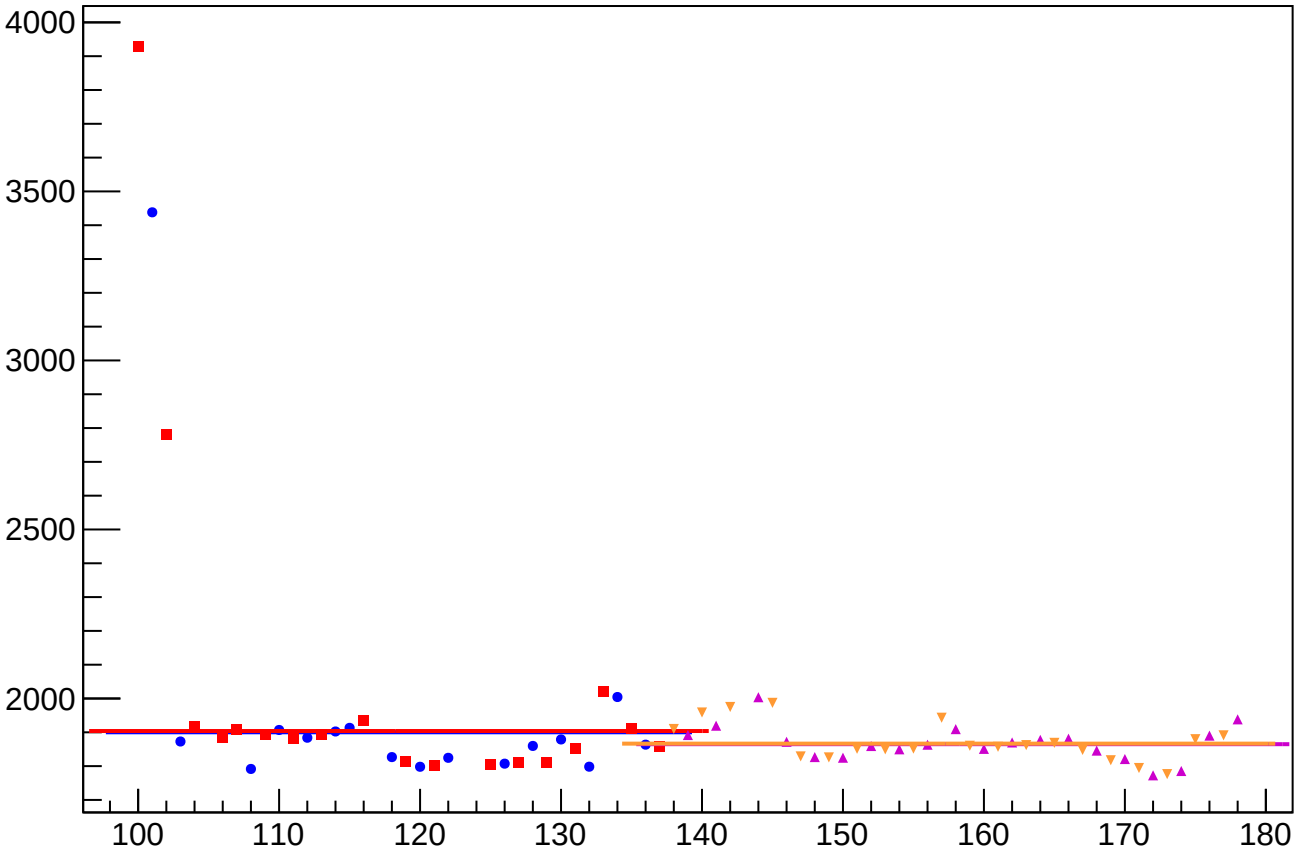
Left: 3863.160+/-328.917 χ^2/NDF: 52.4/39

Right: 4501.779+/-506.663 χ^2/NDF: 26.0/33

In: 4784.747+/-387.609 χ^2/NDF:36.2/35

Out: 3300.696+/-392.752 χ^2/NDF:36.1/37

All: 4052.503+/-275.881 χ^2/NDF: 79.6/73



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.5/15

Left Out: 1866.516+/-0.332 χ^2/NDF:26054.2/19

Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

Left In: 1864.882+/-0.326 χ^2/NDF:24805.1/19

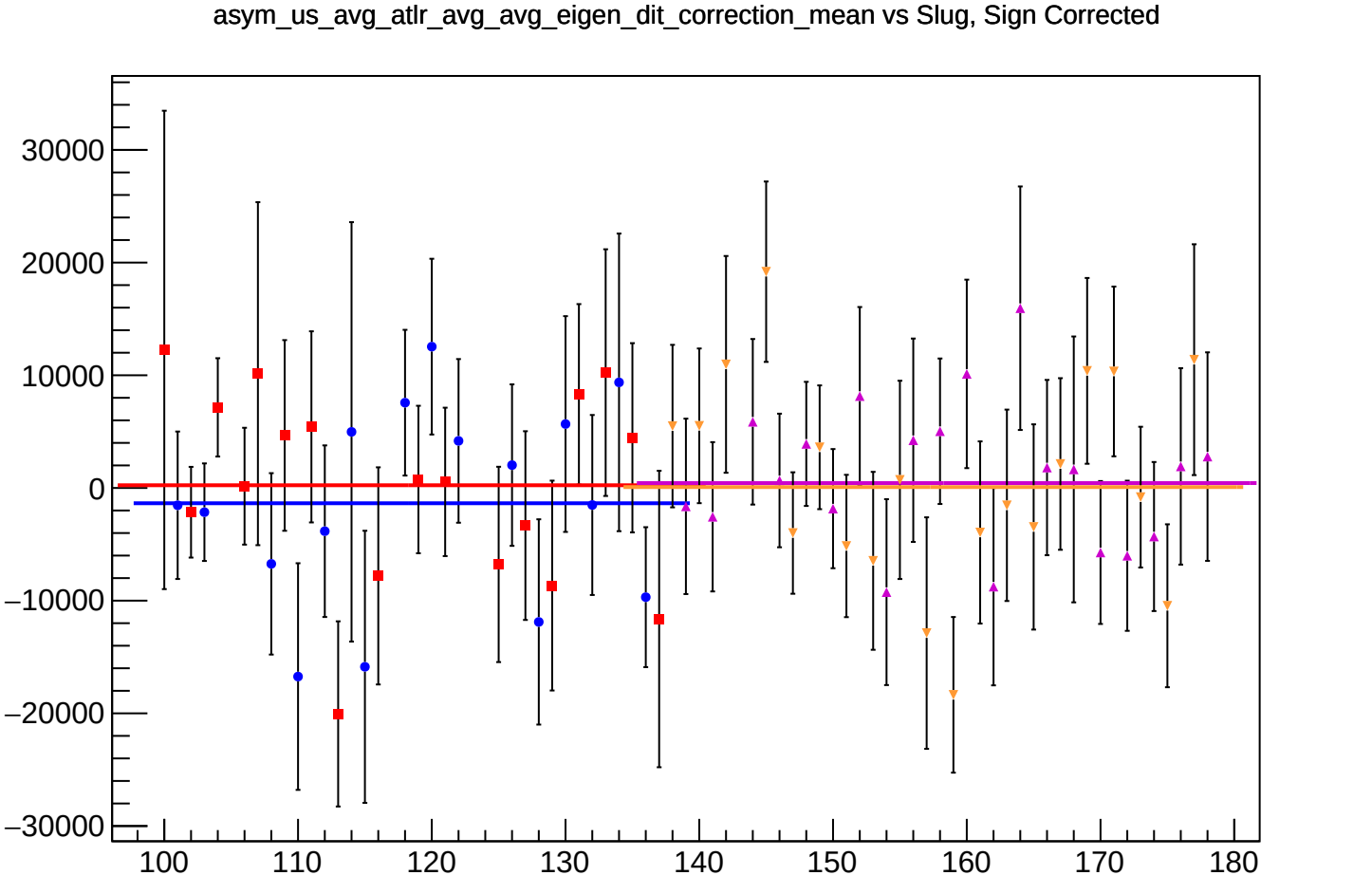
Left: 1865.686+/-0.233 χ^2/NDF: 50871.6/39

Right: 1901.958+/-0.358 χ^2/NDF: 428590.5/33

In: 1875.263+/-0.274 χ^2/NDF:306687.1/35

Out: 1877.665+/-0.278 χ^2/NDF:179953.4/37

All: 1876.448+/-0.195 χ^2/NDF: 486678.5/73



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: 433.280+/-1629.170 χ^2/NDF:11.5/19

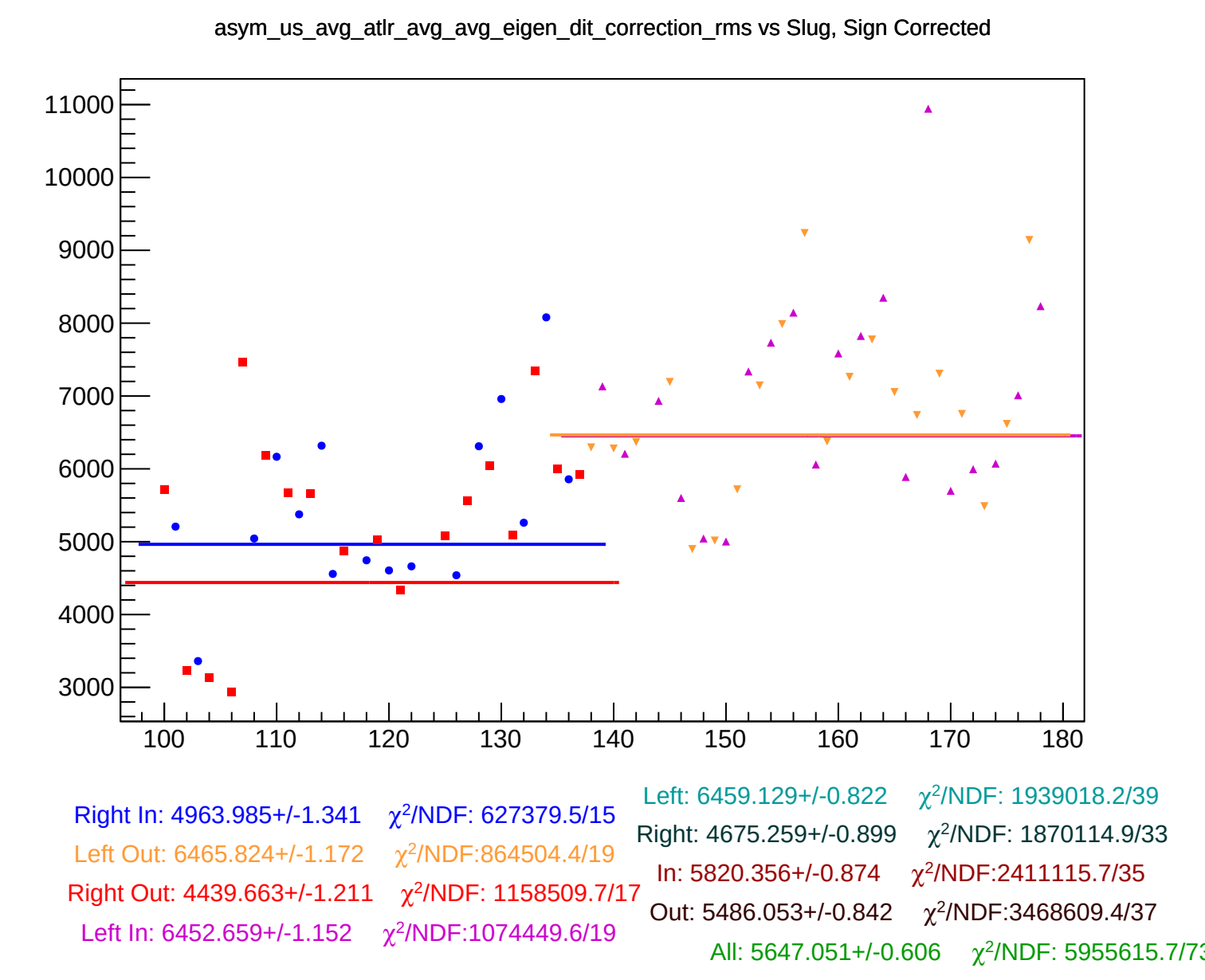
Left: 258.447+/-1161.801 χ^2/NDF: 38.0/39

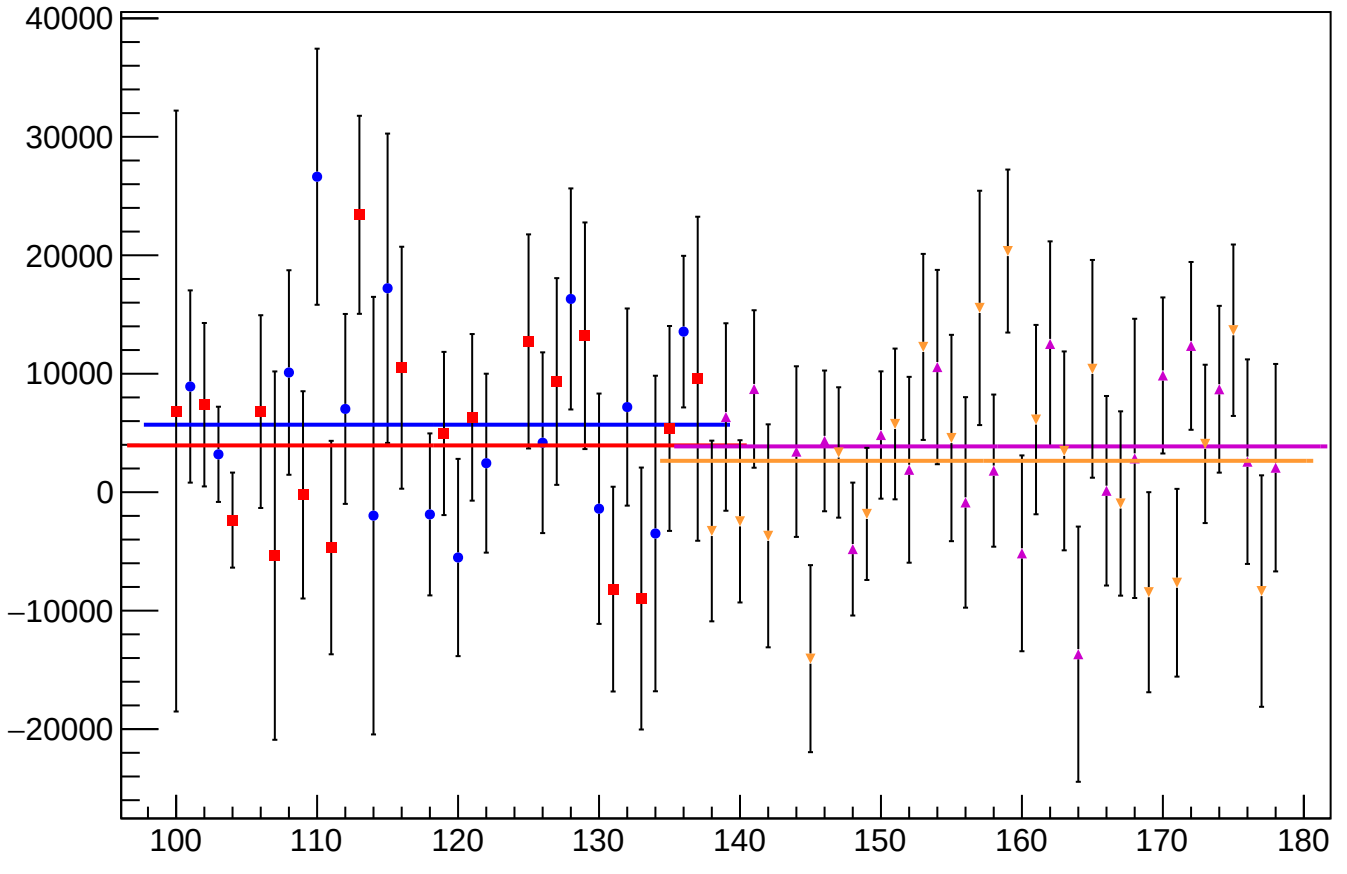
Right: -476.773+/-1270.924 χ^2/NDF: 30.8/33

In: -326.959+/-1235.656 χ^2/NDF:26.7/35

Out: 156.654+/-1190.970 χ^2/NDF:42.3/37

All: -76.250+/-857.505 χ^2/NDF: 69.0/73


asym_us_avg_atlr_avg_avg_eigen_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: 4963.985+/-1.341 χ²/NDF: 627379.5/15
Left Out: 6465.824+/-1.172 χ²/NDF:864504.4/19
Right Out: 4439.663+/-1.211 χ²/NDF: 1158509.7/17
Left In: 6452.659+/-1.152 χ²/NDF:1074449.6/19
Left: 6459.129+/-0.822 χ²/NDF: 1939018.2/39
Right: 4675.259+/-0.899 χ²/NDF: 1870114.9/33
In: 5820.356+/-0.874 χ²/NDF:2411115.7/35
Out: 5486.053+/-0.842 χ²/NDF:3468609.4/37
All: 5647.051+/-0.606 χ²/NDF: 5955615.7/73



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: 3865.721+/-1644.792 χ^2/NDF:12.0/19

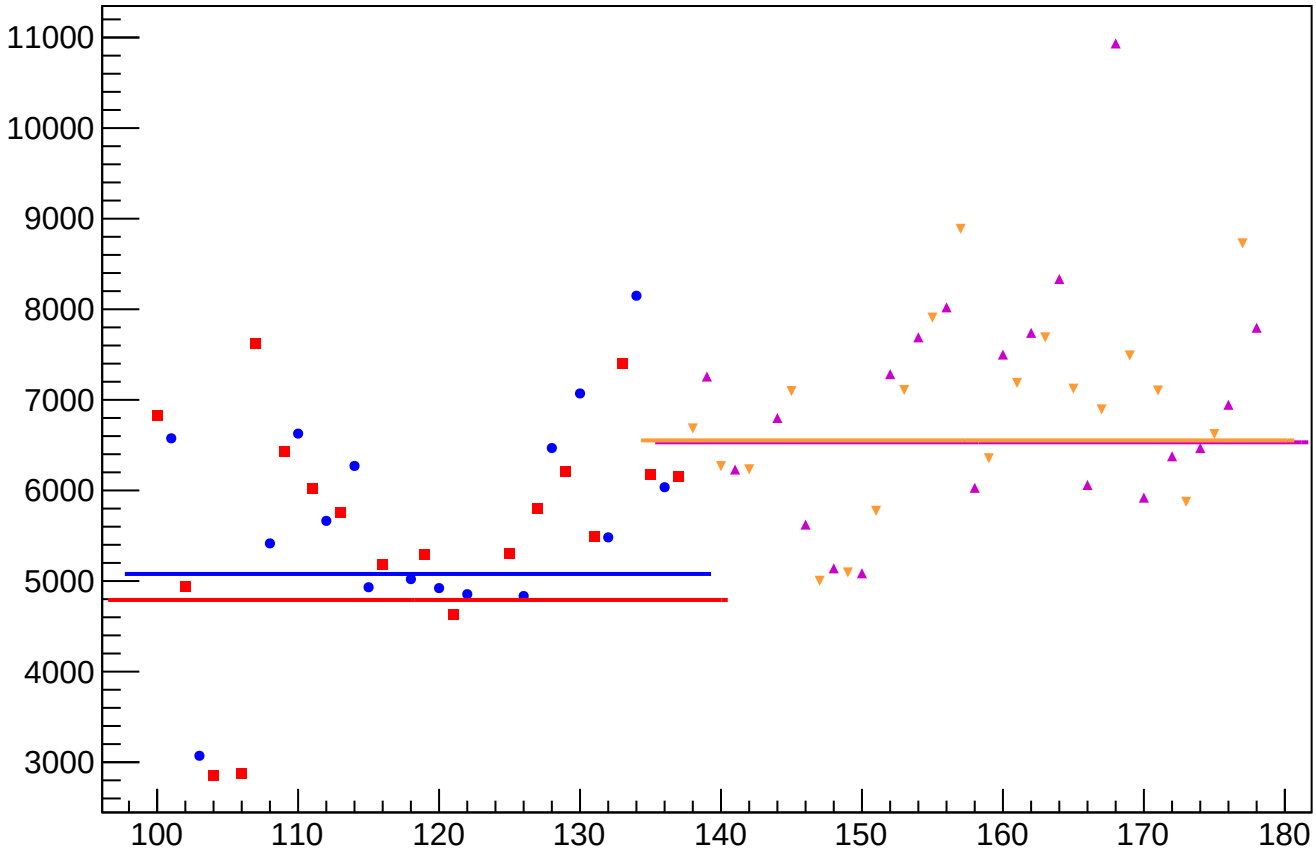
Left: 3268.048+/-1173.470 χ^2/NDF: 37.3/39

Right: 4805.905+/-1371.511 χ^2/NDF: 29.2/33

In: 4622.892+/-1259.725 χ^2/NDF:25.2/35

Out: 3210.360+/-1262.225 χ^2/NDF:41.4/37

All: 3918.026+/-891.643 χ^2/NDF: 67.2/73



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: 6531.329+/-1.163 χ^2/NDF:938076.7/19

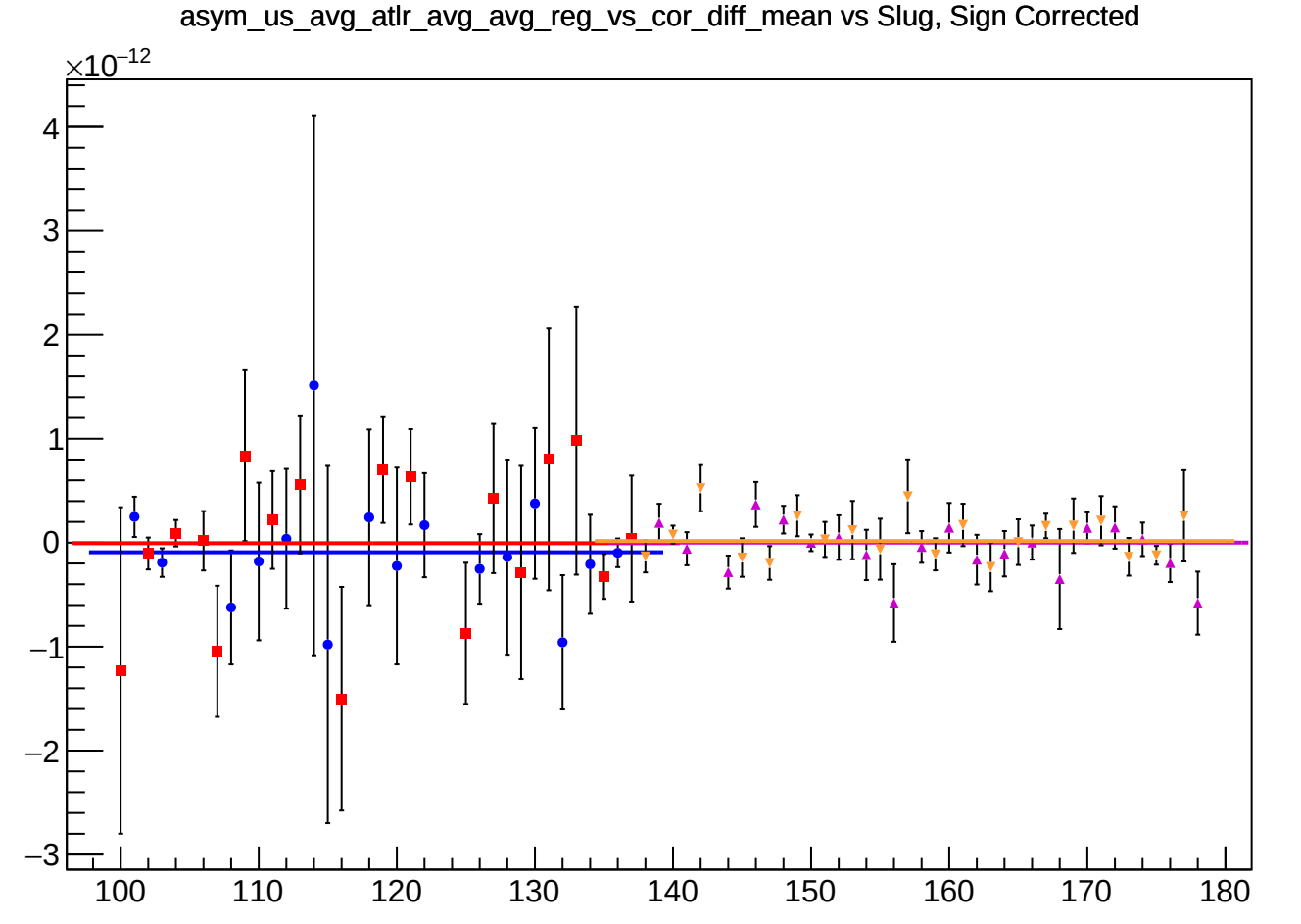
Left: 6541.701+/-0.830 χ^2/NDF: 1666120.6/39

Right: 4928.883+/-0.960 χ^2/NDF: 2103987.6/33

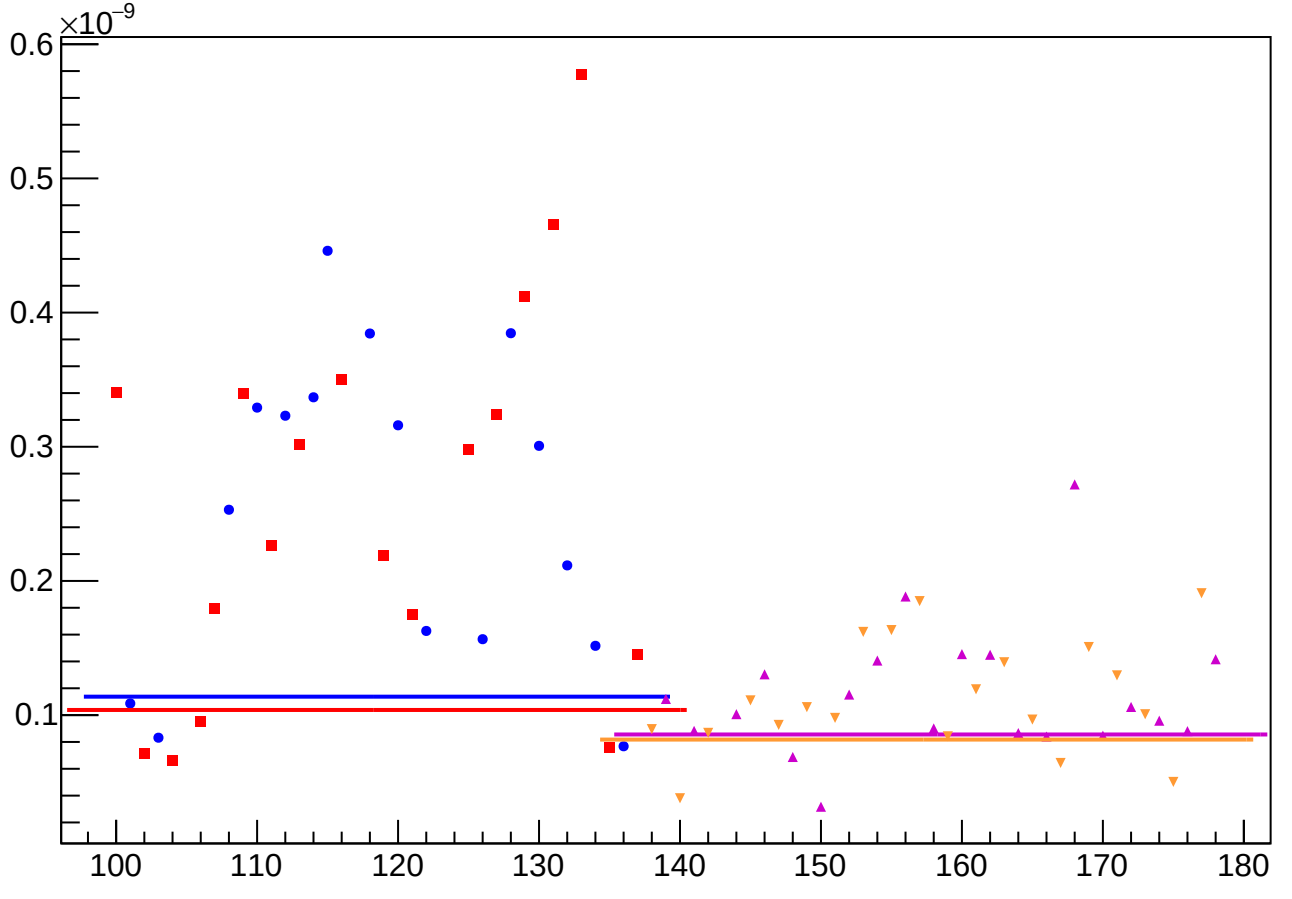
In: 5930.552+/-0.891 χ^2/NDF:2502700.6/35

Out: 5774.073+/-0.885 χ^2/NDF:2867996.3/37

All: 5851.773+/-0.628 χ^2/NDF: 5386233.3/73


asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 8.2/15
Left Out: 0.000+/-0.000 χ²/NDF:20.6/19
Right Out: -0.000+/-0.000 χ²/NDF: 17.4/17
Left In: 0.000+/-0.000 χ²/NDF:20.7/19
Left: 0.000+/-0.000 χ²/NDF: 41.4/39
Right: -0.000+/-0.000 χ²/NDF: 26.2/33
In: -0.000+/-0.000 χ²/NDF:30.1/35
Out: 0.000+/-0.000 χ²/NDF:38.0/37
All: -0.000+/-0.000 χ²/NDF: 68.5/73

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1973612.5/19

Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2031650.0/19

Left: 0.000+/-0.000 χ^2/NDF: 4015399.6/39

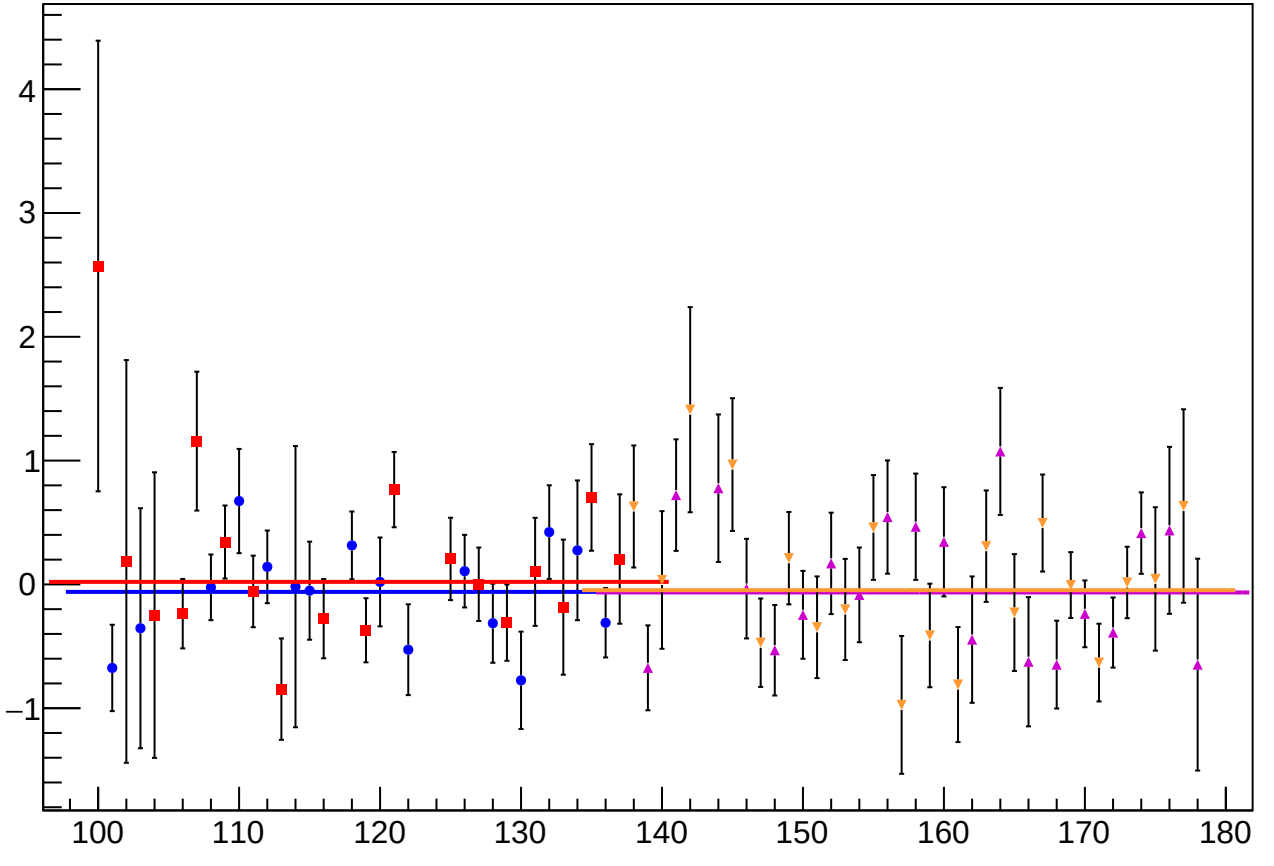
Right: 0.000+/-0.000 χ^2/NDF: 3628704.5/33

In: 0.000+/-0.000 χ^2/NDF:3767400.9/35

Out: 0.000+/-0.000 χ^2/NDF:4194019.9/37

All: 0.000+/-0.000 χ^2/NDF: 7984623.3/73

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: -0.065+/-0.090 χ^2/NDF:28.8/19

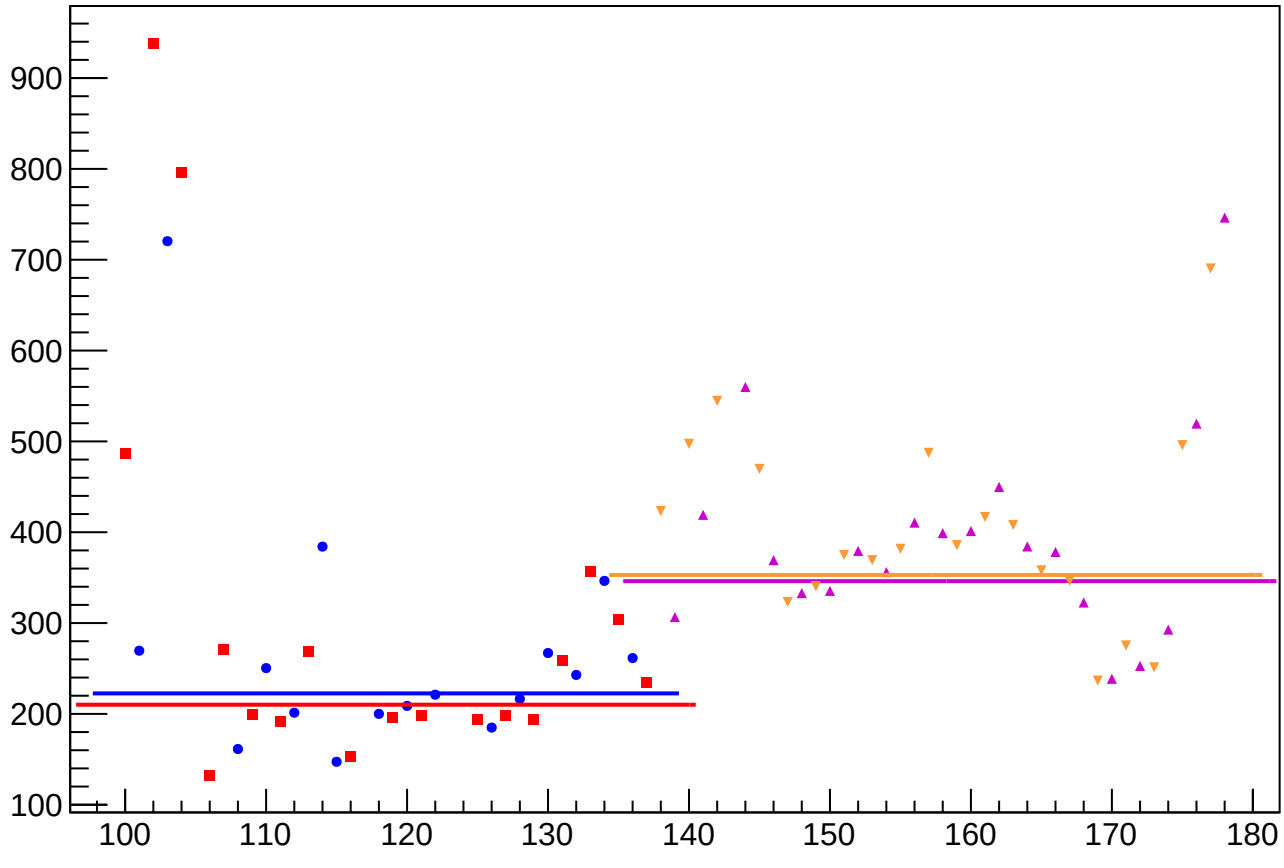
Left: -0.056+/-0.065 χ^2/NDF: 54.6/39

Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.063+/-0.063 χ^2/NDF:46.1/35

Out: -0.011+/-0.064 χ^2/NDF:52.2/37

All: -0.037+/-0.045 χ^2/NDF: 98.7/73



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: 346.152+/-0.063 χ^2/NDF:1730434.0/19

Left: 349.438+/-0.046 χ^2/NDF: 3593758.6/39

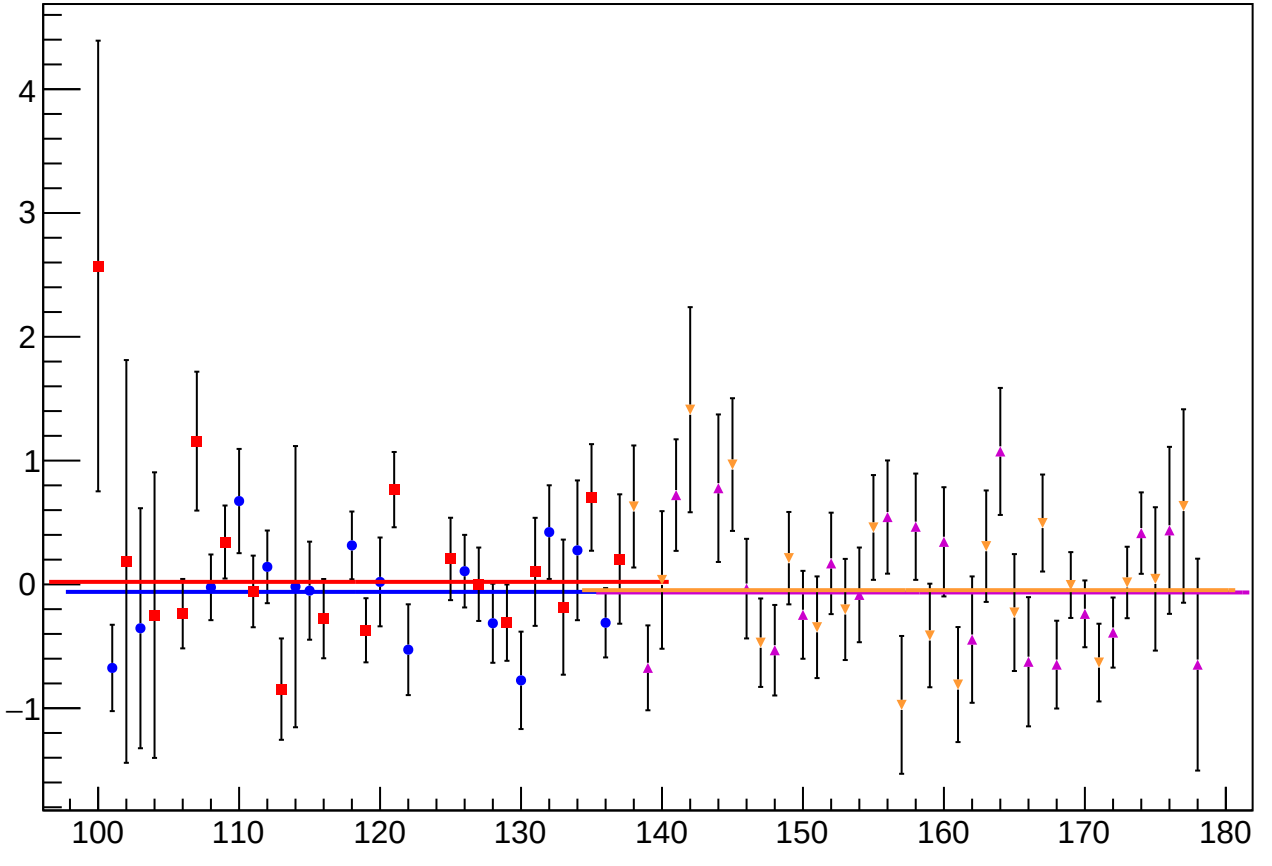
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 283.632+/-0.045 χ^2/NDF:4669368.2/35

Out: 277.031+/-0.045 χ^2/NDF:5907200.4/37

All: 280.368+/-0.032 χ^2/NDF: 10587407.8/73

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: -0.065+/-0.090 χ^2/NDF:28.8/19

Left: -0.056+/-0.065 χ^2/NDF: 54.6/39

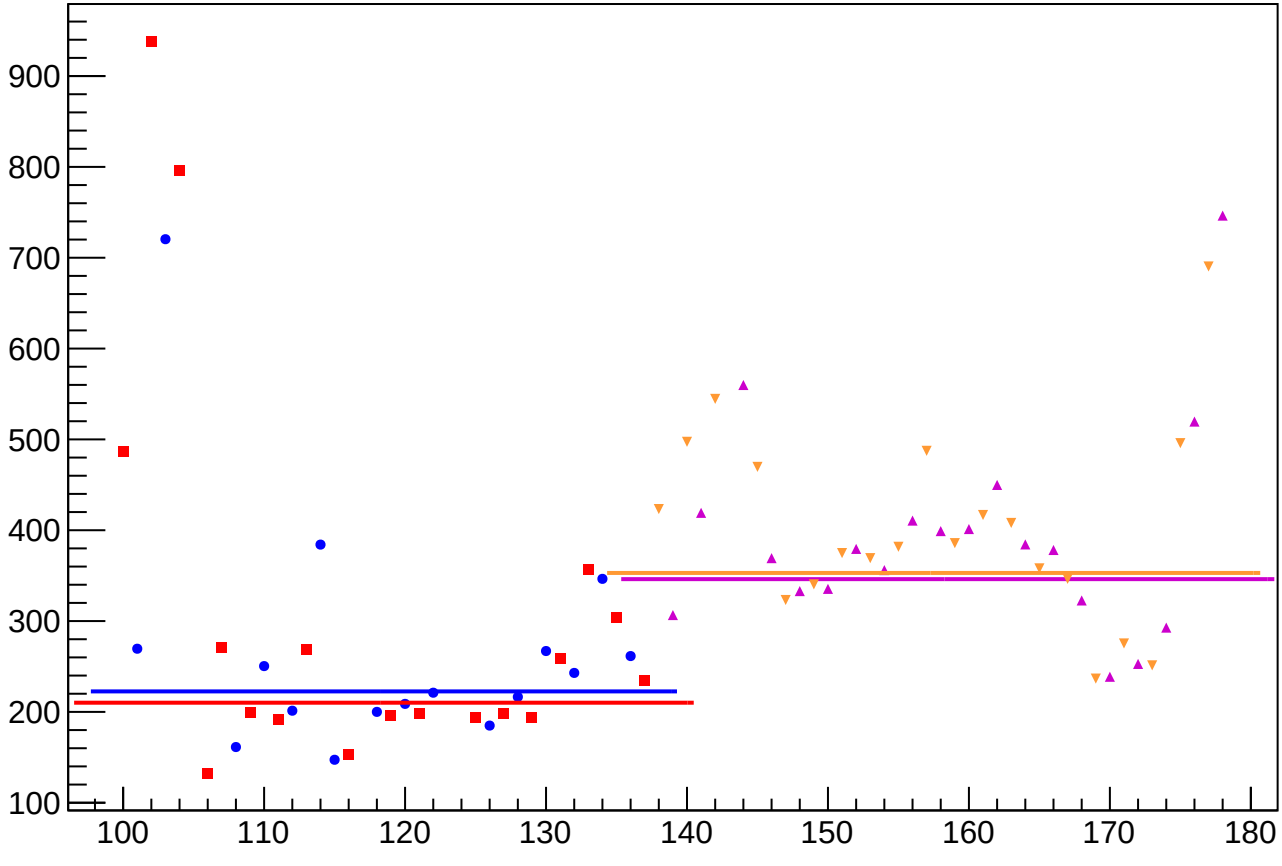
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.063+/-0.063 χ^2/NDF:46.1/35

Out: -0.011+/-0.064 χ^2/NDF:52.2/37

All: -0.037+/-0.045 χ^2/NDF: 98.7/73

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: 346.152+/-0.063 χ^2/NDF:1730434.0/19

Left: 349.438+/-0.046 χ^2/NDF: 3593758.6/39

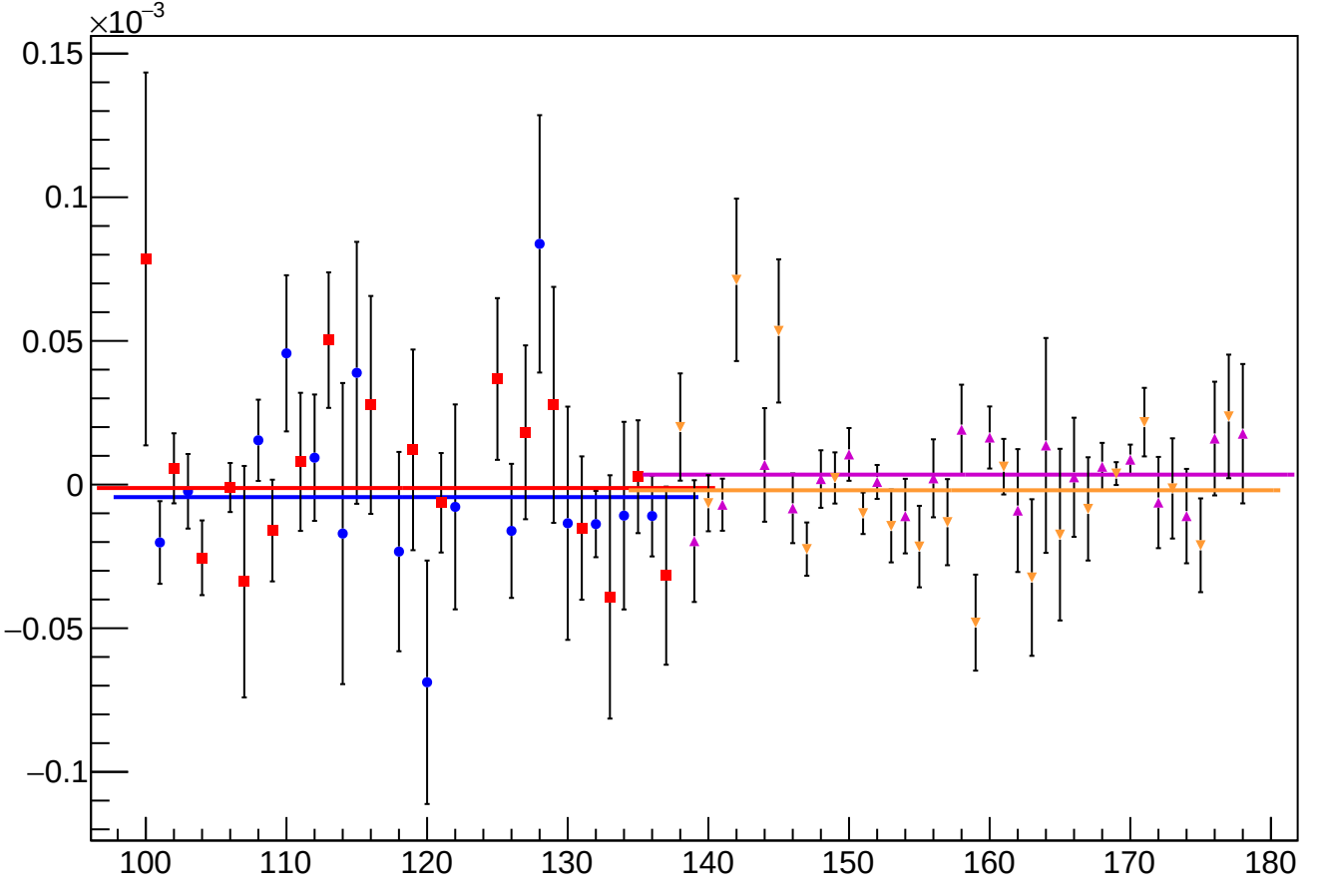
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 283.632+/-0.045 χ^2/NDF:4669368.2/35

Out: 277.031+/-0.045 χ^2/NDF:5907200.4/37

All: 280.368+/-0.032 χ^2/NDF: 10587407.8/73

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:41.9/19

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:11.4/19

Left: 0.000+/-0.000 χ^2/NDF: 55.8/39

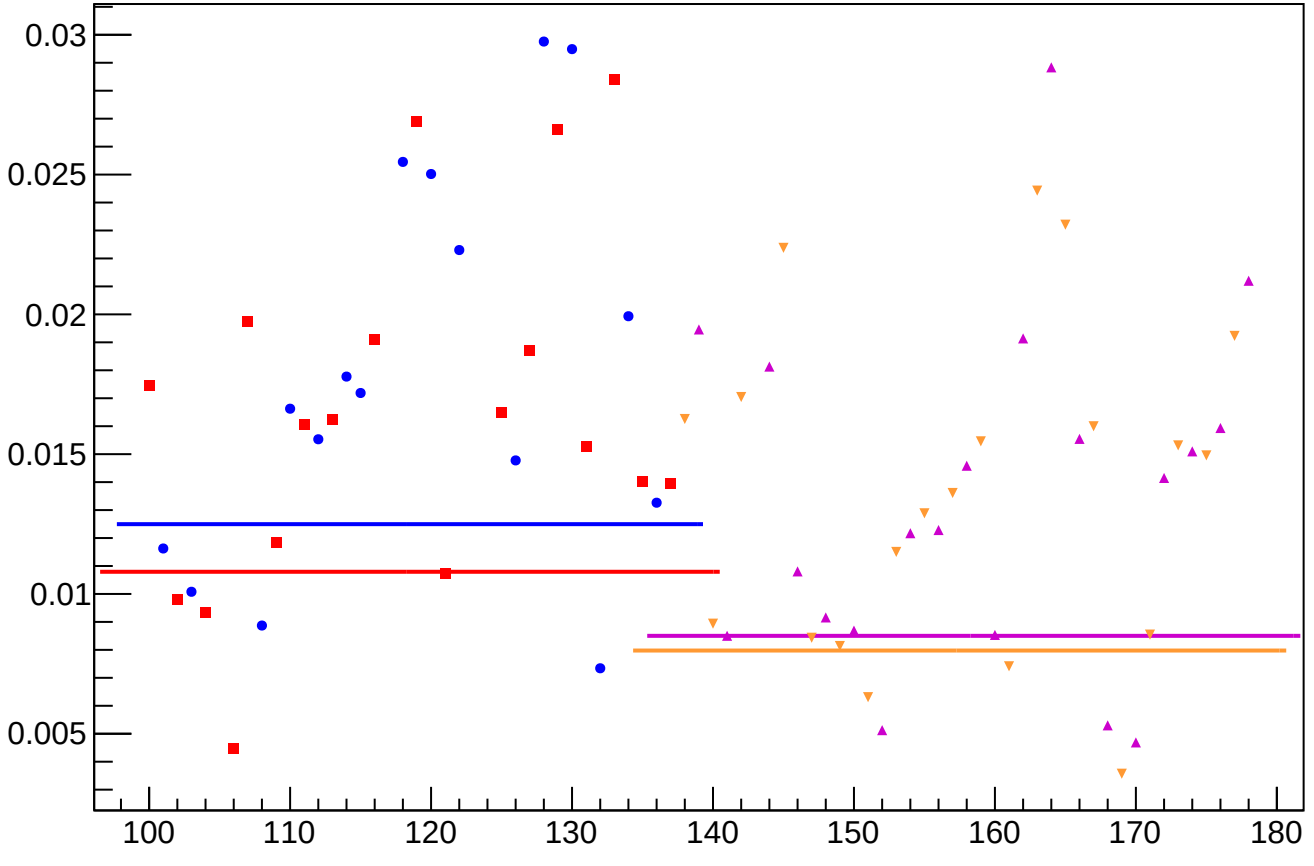
Right: -0.000+/-0.000 χ^2/NDF: 33.1/33

In: 0.000+/-0.000 χ^2/NDF:29.0/35

Out: -0.000+/-0.000 χ^2/NDF:59.1/37

All: 0.000+/-0.000 χ^2/NDF: 89.6/73

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:7859999.5/19

Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

Left In: 0.009+/-0.000 χ^2/NDF:6447158.9/19

Left: 0.008+/-0.000 χ^2/NDF: 14354235.7/39

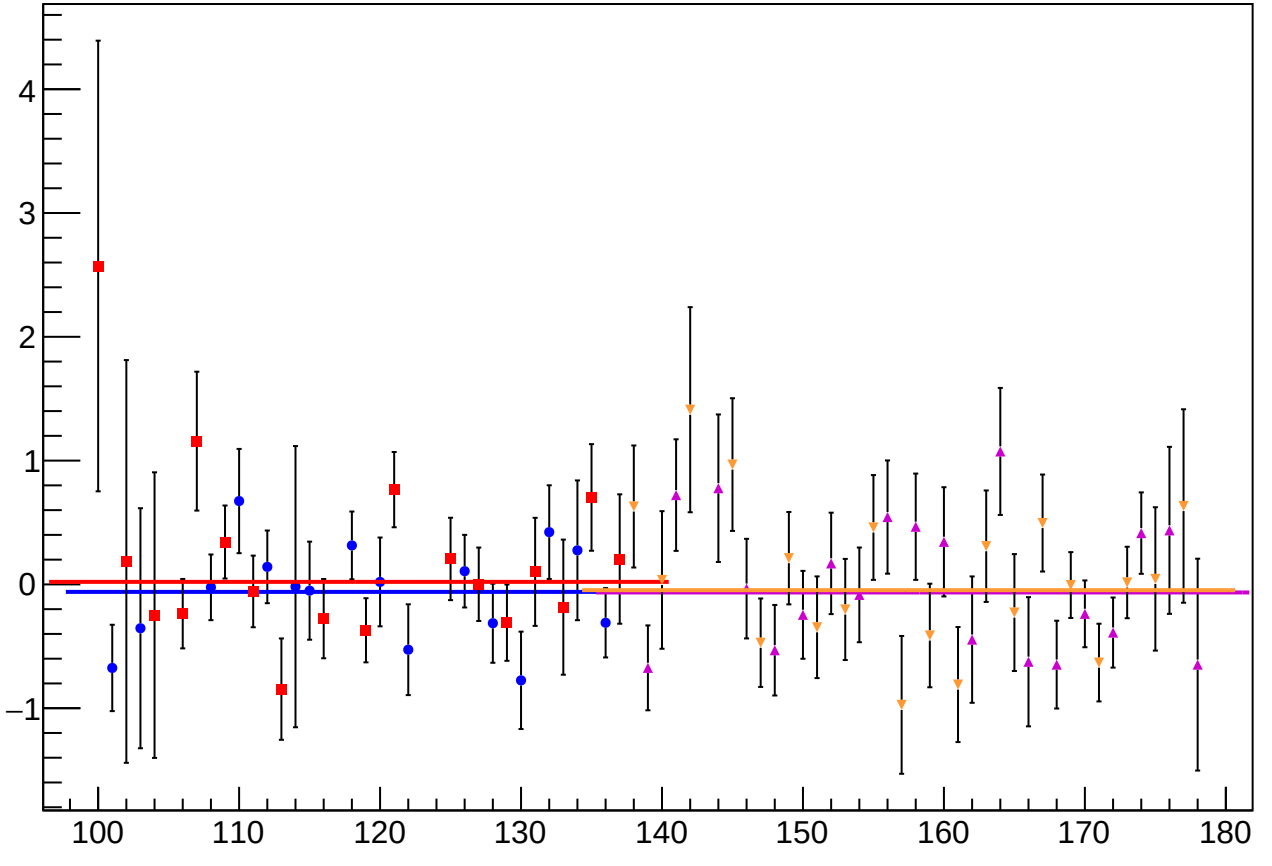
Right: 0.012+/-0.000 χ^2/NDF: 5226474.2/33

In: 0.009+/-0.000 χ^2/NDF:9563531.7/35

Out: 0.009+/-0.000 χ^2/NDF:11440813.1/37

All: 0.009+/-0.000 χ^2/NDF: 21101572.4/73

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: -0.065+/-0.090 χ^2/NDF:28.8/19

Left: -0.056+/-0.065 χ^2/NDF: 54.6/39

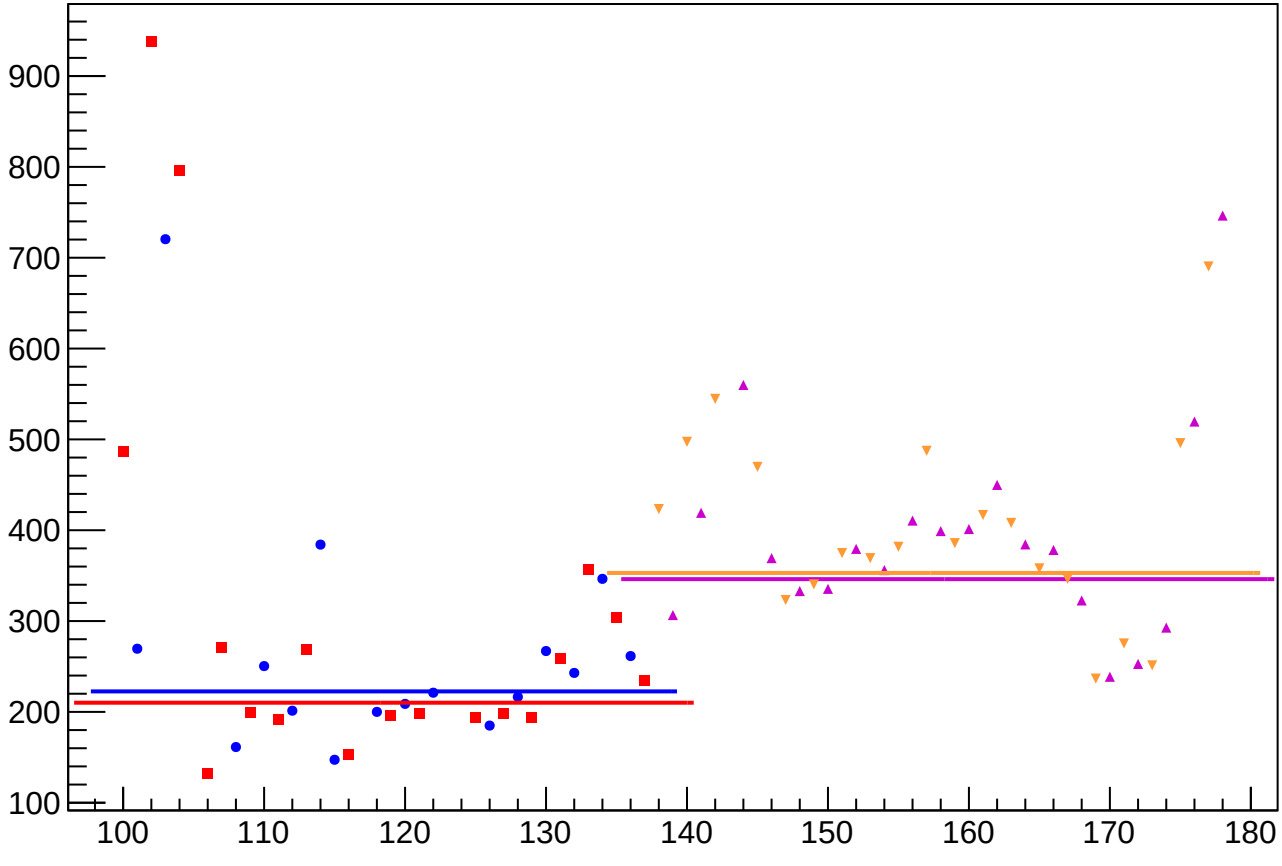
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.063+/-0.063 χ^2/NDF:46.1/35

Out: -0.011+/-0.064 χ^2/NDF:52.2/37

All: -0.037+/-0.045 χ^2/NDF: 98.7/73

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: 346.153+/-0.063 χ^2/NDF:1730583.4/19

Left: 349.439+/-0.046 χ^2/NDF: 3594088.8/39

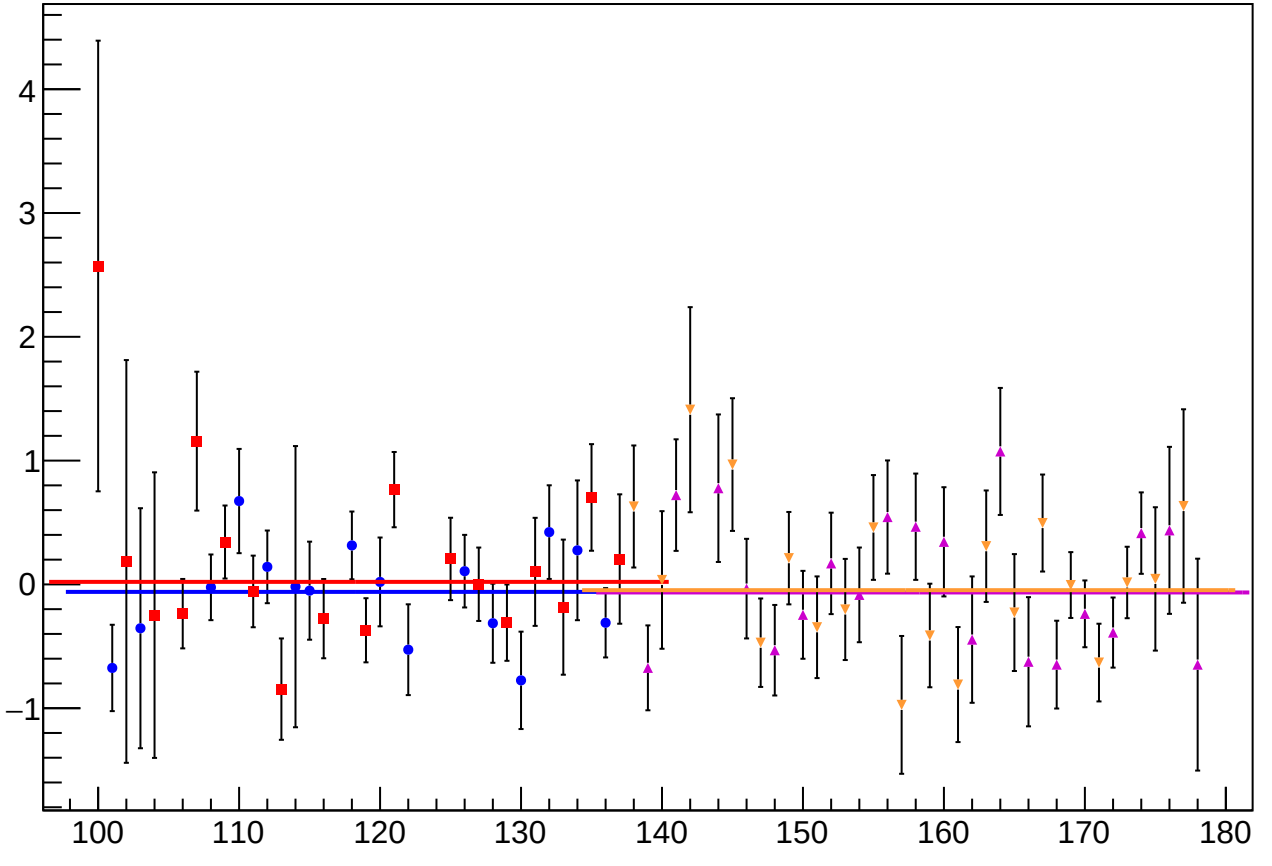
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 283.631+/-0.045 χ^2/NDF:4669603.8/35

Out: 277.029+/-0.045 χ^2/NDF:5907478.4/37

All: 280.366+/-0.032 χ^2/NDF: 10587926.1/73

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: -0.065+/-0.090 χ^2/NDF:28.8/19

Left: -0.056+/-0.065 χ^2/NDF: 54.6/39

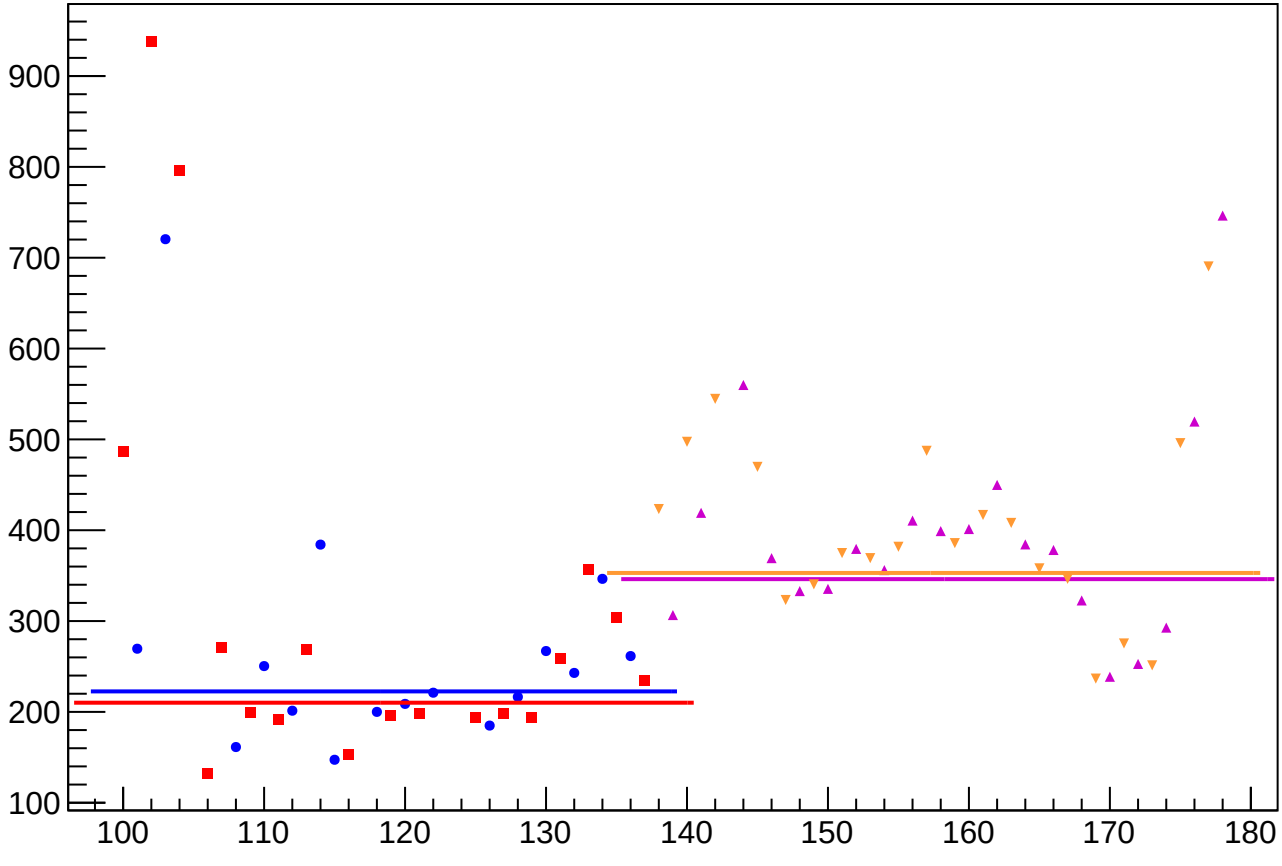
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.063+/-0.063 χ^2/NDF:46.1/35

Out: -0.011+/-0.064 χ^2/NDF:52.2/37

All: -0.037+/-0.045 χ^2/NDF: 98.7/73

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: 346.153+/-0.063 χ^2/NDF:1730583.4/19

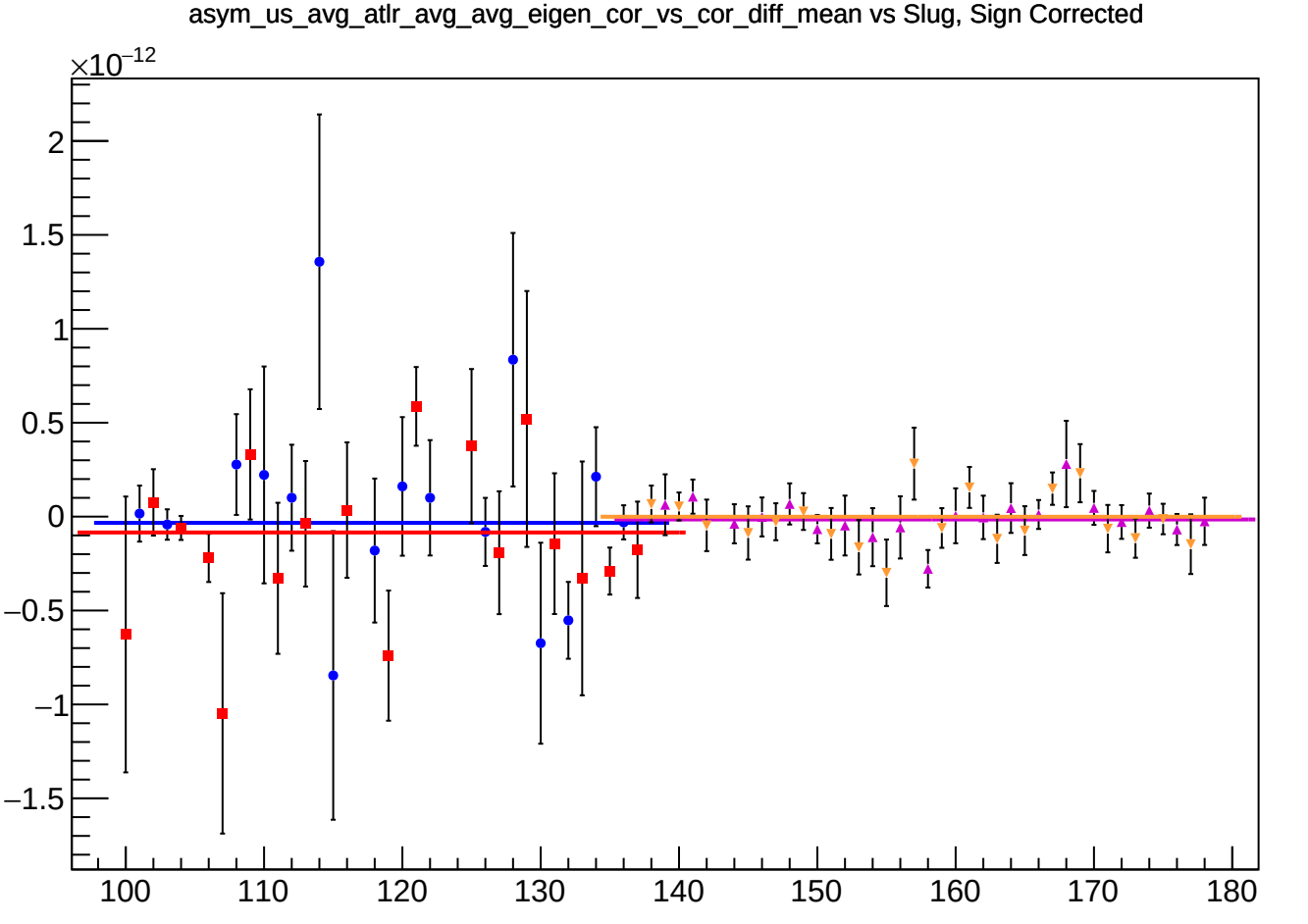
Left: 349.439+/-0.046 χ^2/NDF: 3594088.8/39

Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 283.631+/-0.045 χ^2/NDF:4669603.8/35

Out: 277.029+/-0.045 χ^2/NDF:5907478.4/37

All: 280.366+/-0.032 χ^2/NDF: 10587926.1/73



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:13.7/19

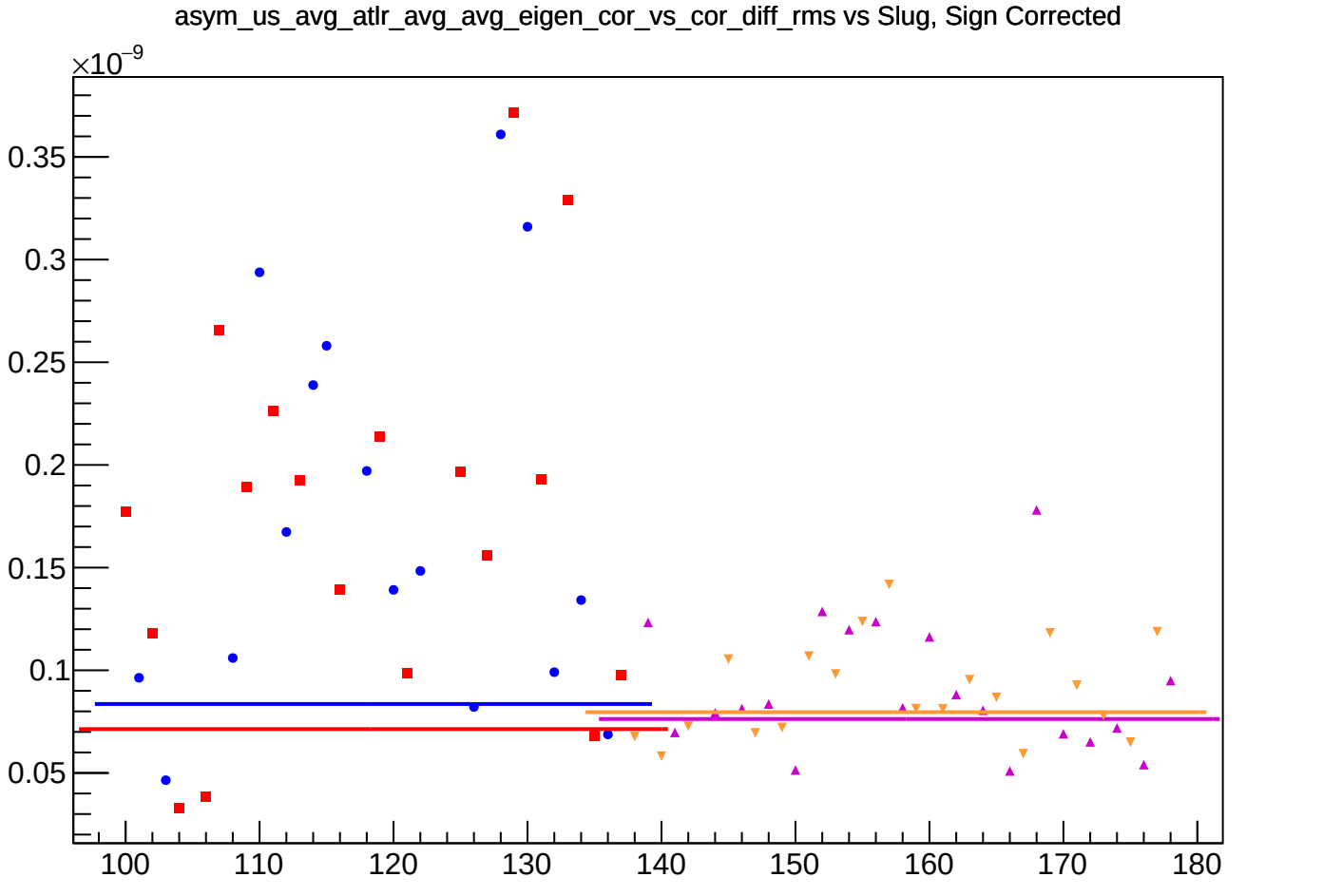
Left: -0.000+/-0.000 χ^2/NDF: 33.3/39

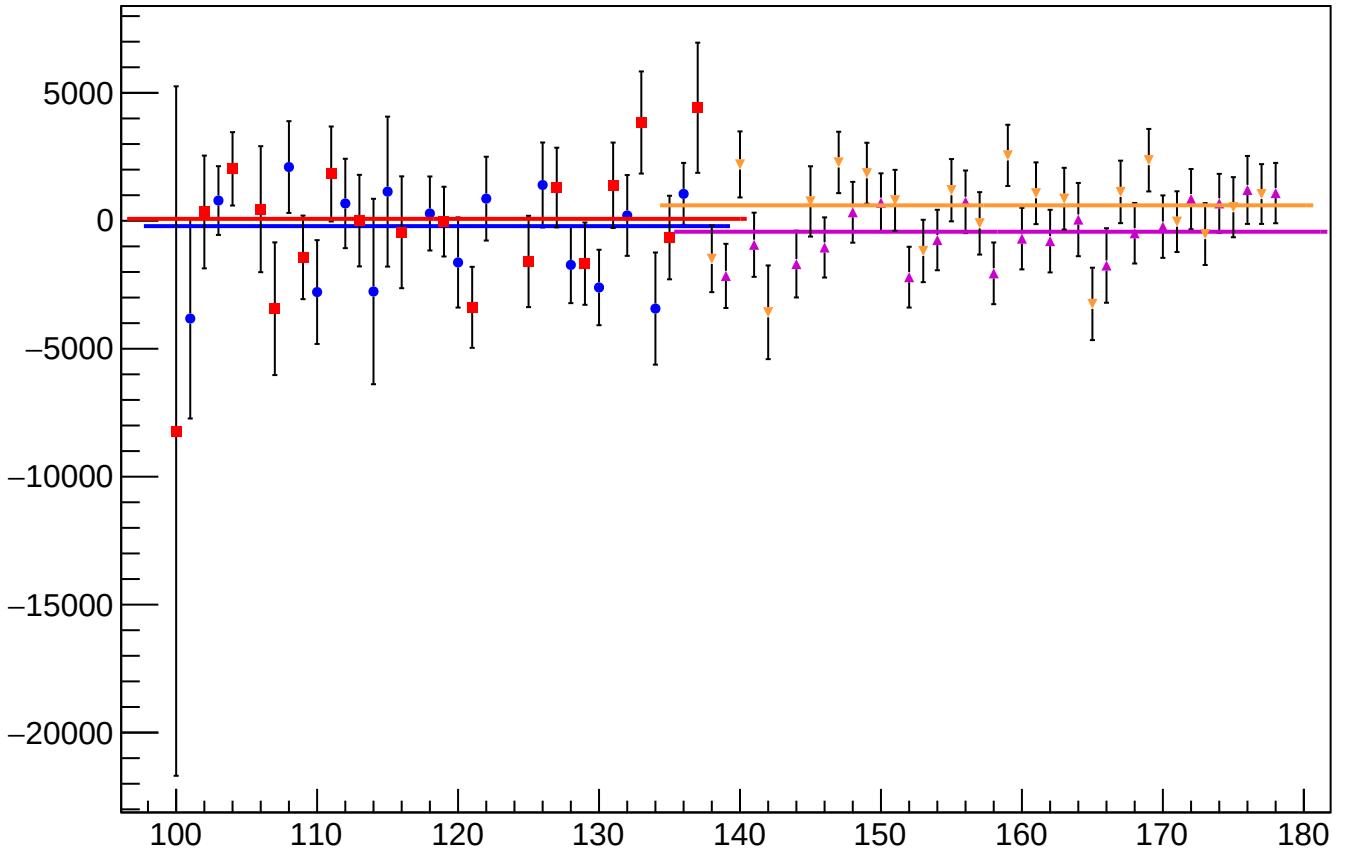
Right: -0.000+/-0.000 χ^2/NDF: 43.7/33

In: -0.000+/-0.000 χ^2/NDF:31.0/35

Out: -0.000+/-0.000 χ^2/NDF:48.0/37

All: -0.000+/-0.000 χ^2/NDF: 79.0/73


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:1973209.3/19
Left: 0.000+/-0.000 χ²/NDF: 3218369.9/39
Right: 0.000+/-0.000 χ²/NDF: 6051897.3/33
In: 0.000+/-0.000 χ²/NDF:4247078.8/35
Out: 0.000+/-0.000 χ²/NDF:5023933.3/37
All: 0.000+/-0.000 χ²/NDF: 9271071.2/73



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: -427.251+/-274.258 χ^2/NDF:16.0/19

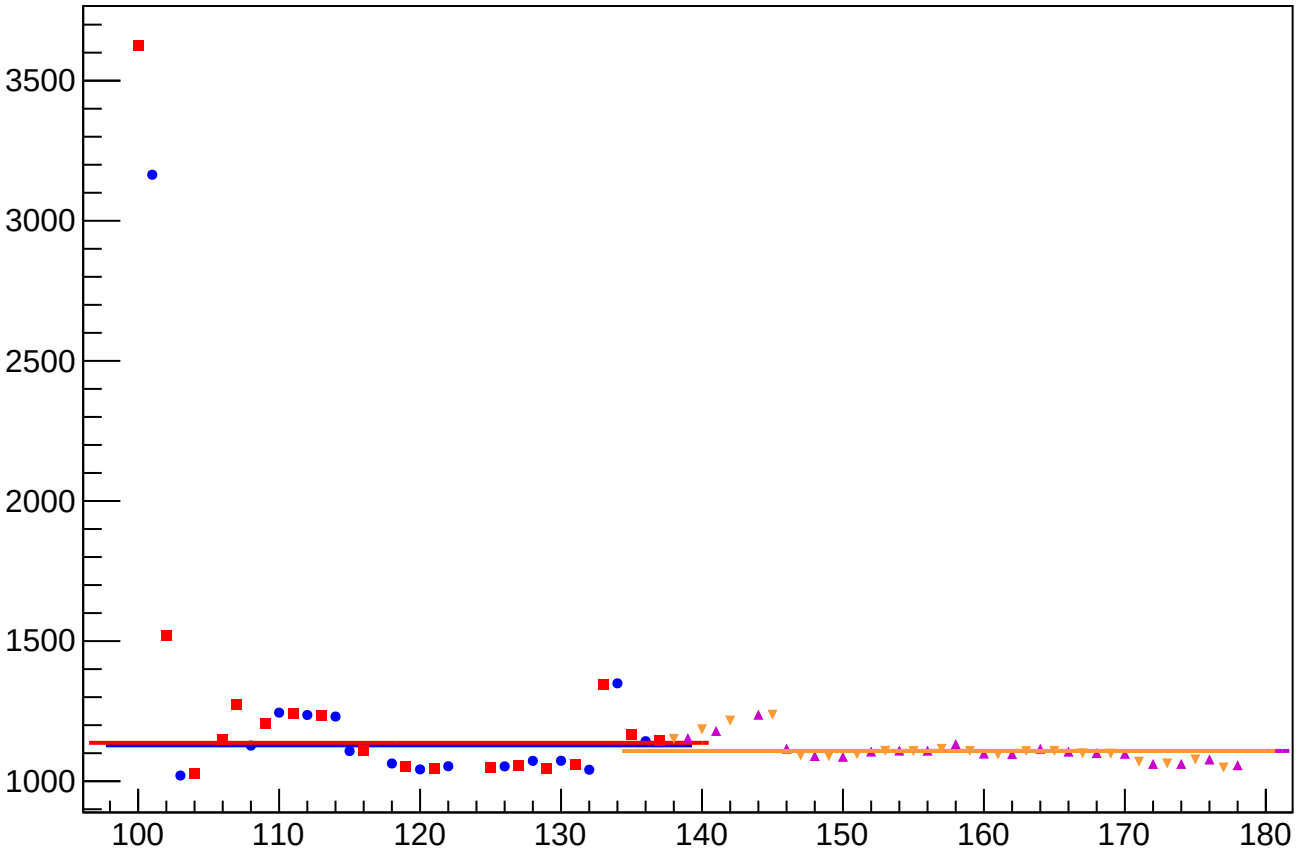
Left: 81.144+/-195.357 χ^2/NDF: 52.0/39

Right: -66.891+/-304.024 χ^2/NDF: 35.6/33

In: -363.772+/-231.097 χ^2/NDF:31.0/35

Out: 448.925+/-233.782 χ^2/NDF:50.7/37

All: 37.883+/-164.352 χ^2/NDF: 87.8/73



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: 1108.037+/-0.194 χ^2/NDF:42411.4/19

Left: 1107.921+/-0.138 χ^2/NDF: 89336.1/39

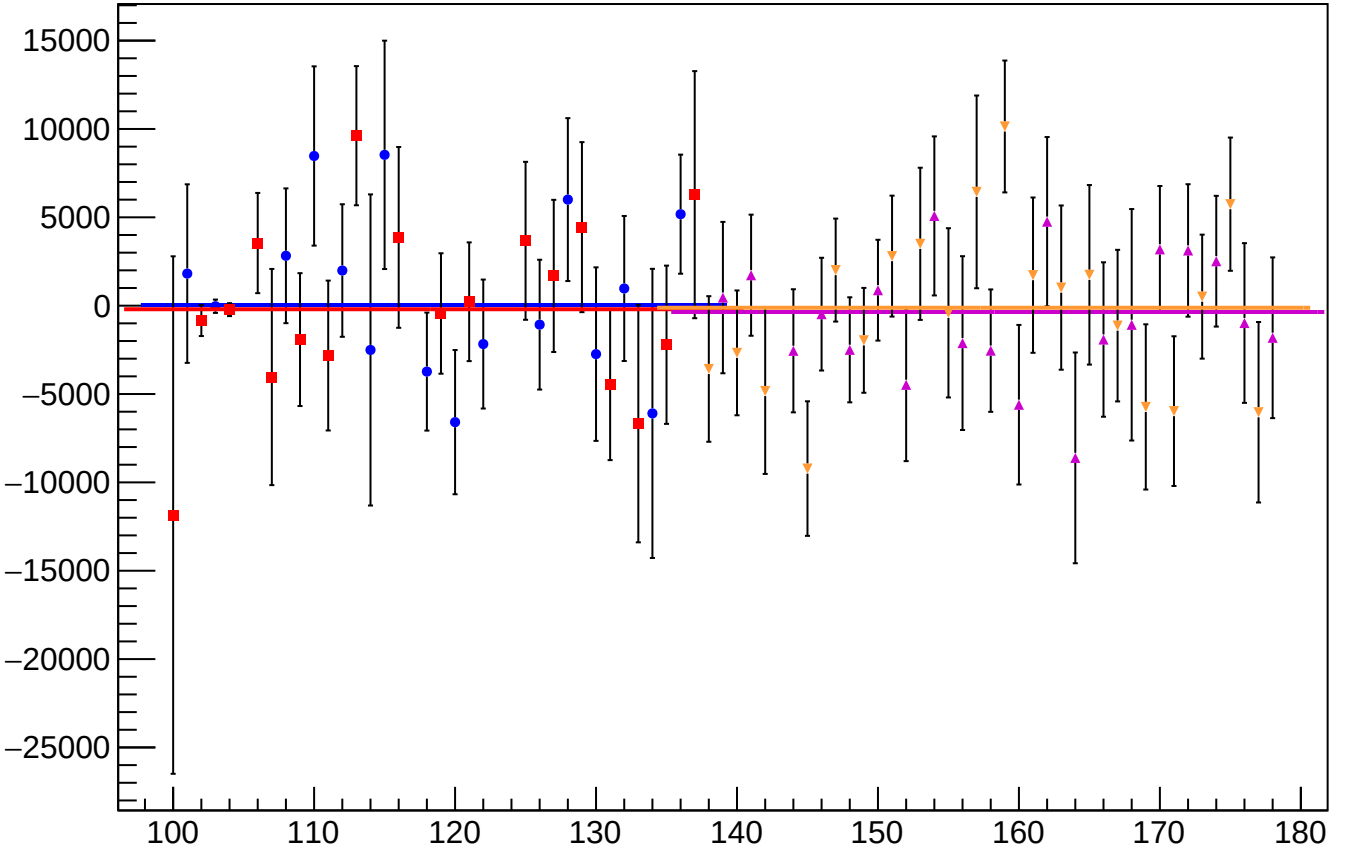
Right: 1132.516+/-0.215 χ^2/NDF: 841922.9/33

In: 1113.828+/-0.163 χ^2/NDF:666881.0/35

Out: 1116.436+/-0.165 χ^2/NDF:273527.8/37

All: 1115.117+/-0.116 χ^2/NDF: 940534.7/73

asym_us_avg_atlr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 38.300+/-357.651 χ^2/NDF: 14.8/15

Left Out: -117.428+/-892.350 χ^2/NDF:26.9/19

Right Out: -201.642+/-322.545 χ^2/NDF: 15.6/17

Left In: -358.505+/-877.049 χ^2/NDF:11.5/19

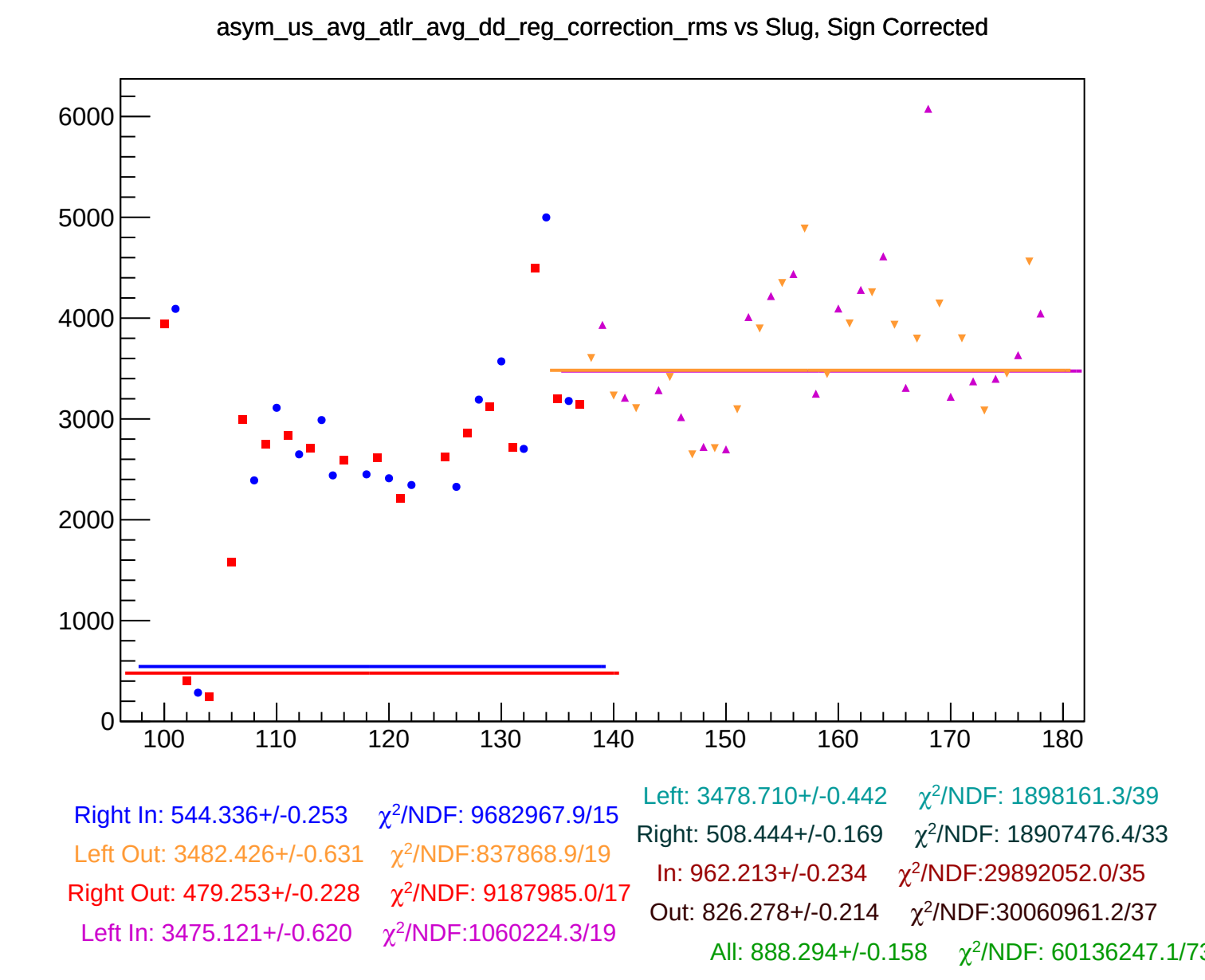
Left: -240.051+/-625.507 χ^2/NDF: 38.4/39

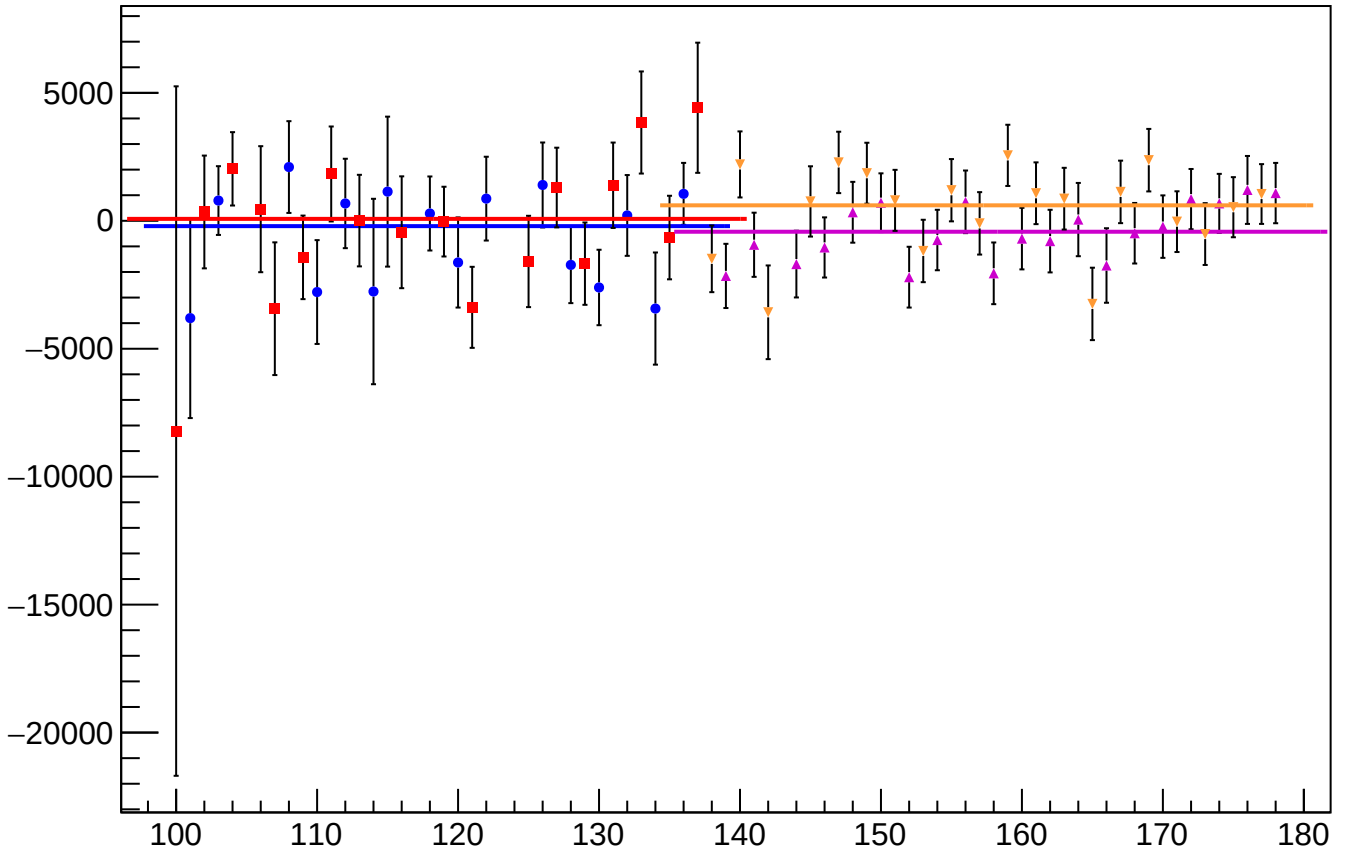
Right: -94.022+/-239.526 χ^2/NDF: 30.7/33

In: -18.277+/-331.174 χ^2/NDF:26.5/35

Out: -191.910+/-303.338 χ^2/NDF:42.5/37

All: -112.697+/-223.687 χ^2/NDF: 69.2/73


asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
180
Right In: 544.336+/-0.253 χ²/NDF: 9682967.9/15
Left Out: 3482.426+/-0.631 χ²/NDF:837868.9/19
Right Out: 479.253+/-0.228 χ²/NDF: 9187985.0/17
Left In: 3475.121+/-0.620 χ²/NDF:1060224.3/19
Left: 3478.710+/-0.442 χ²/NDF: 1898161.3/39
Right: 508.444+/-0.169 χ²/NDF: 18907476.4/33
In: 962.213+/-0.234 χ²/NDF:29892052.0/35
Out: 826.278+/-0.214 χ²/NDF:30060961.2/37
All: 888.294+/-0.158 χ²/NDF: 60136247.1/73



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: -427.236+/-274.258 χ^2/NDF:16.0/19

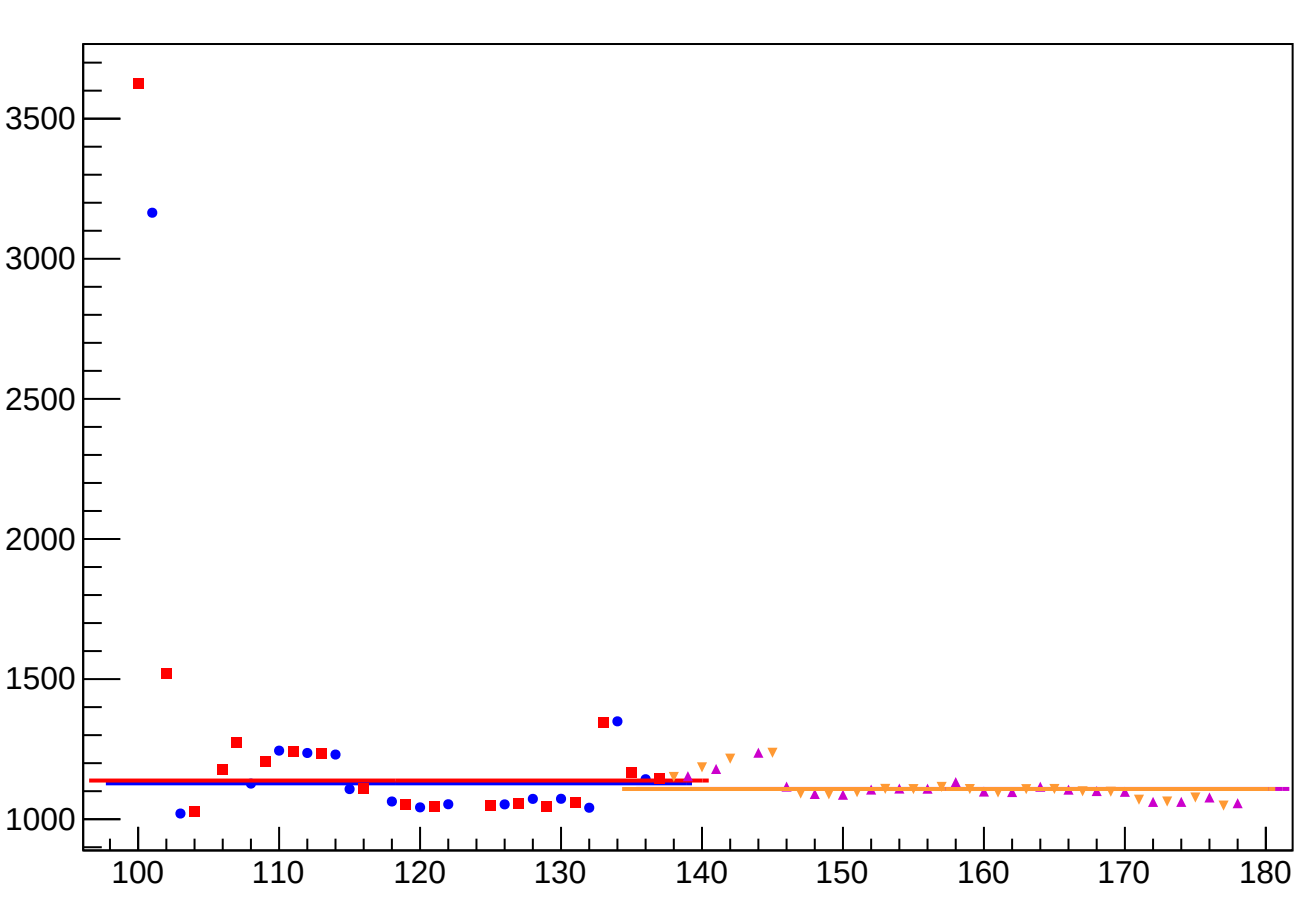
Left: 81.184+/-195.357 χ^2/NDF: 52.0/39

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -363.695+/-231.097 χ^2/NDF:31.0/35

Out: 449.014+/-233.782 χ^2/NDF:50.7/37

All: 37.966+/-164.352 χ^2/NDF: 87.8/73



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: 1108.037+/-0.194 χ^2/NDF:42411.4/19

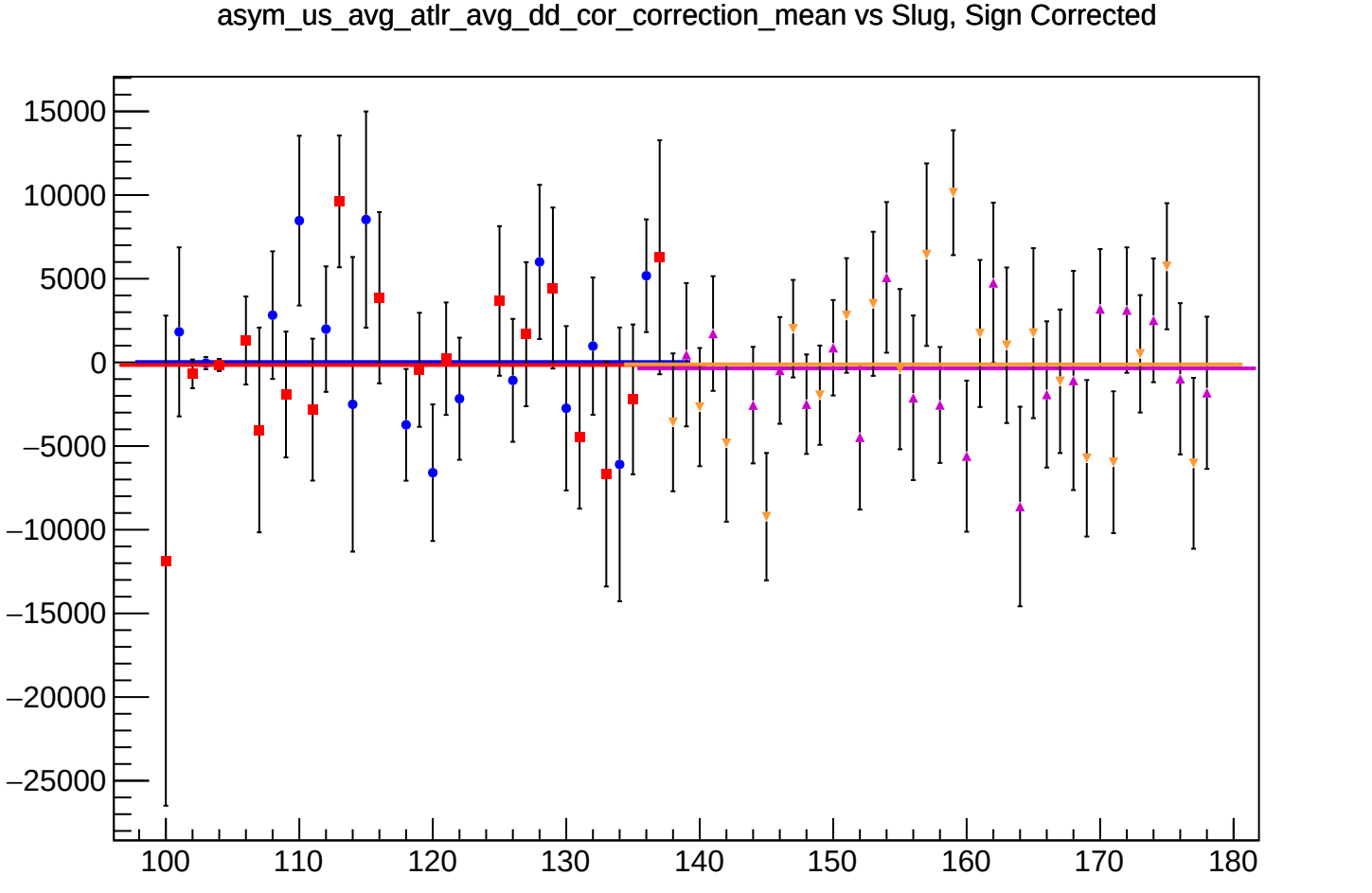
Left: 1107.921+/-0.138 χ^2/NDF: 89336.1/39

Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1113.828+/-0.163 χ^2/NDF:666882.0/35

Out: 1116.703+/-0.165 χ^2/NDF:274488.0/37

All: 1115.249+/-0.116 χ^2/NDF: 941523.1/73



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: -358.531+/-877.049 χ^2/NDF:11.5/19

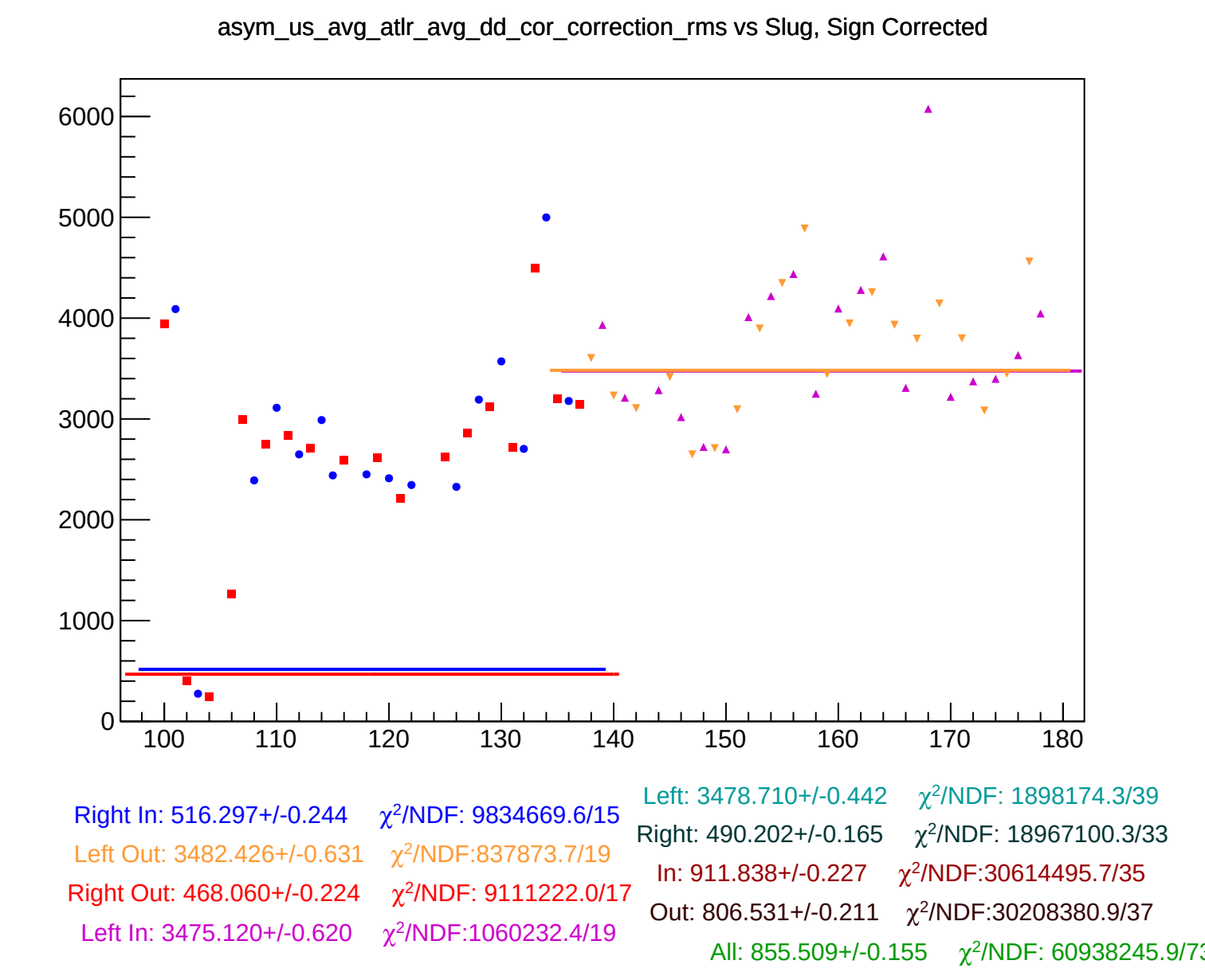
Left: -240.042+/-625.507 χ^2/NDF: 38.4/39

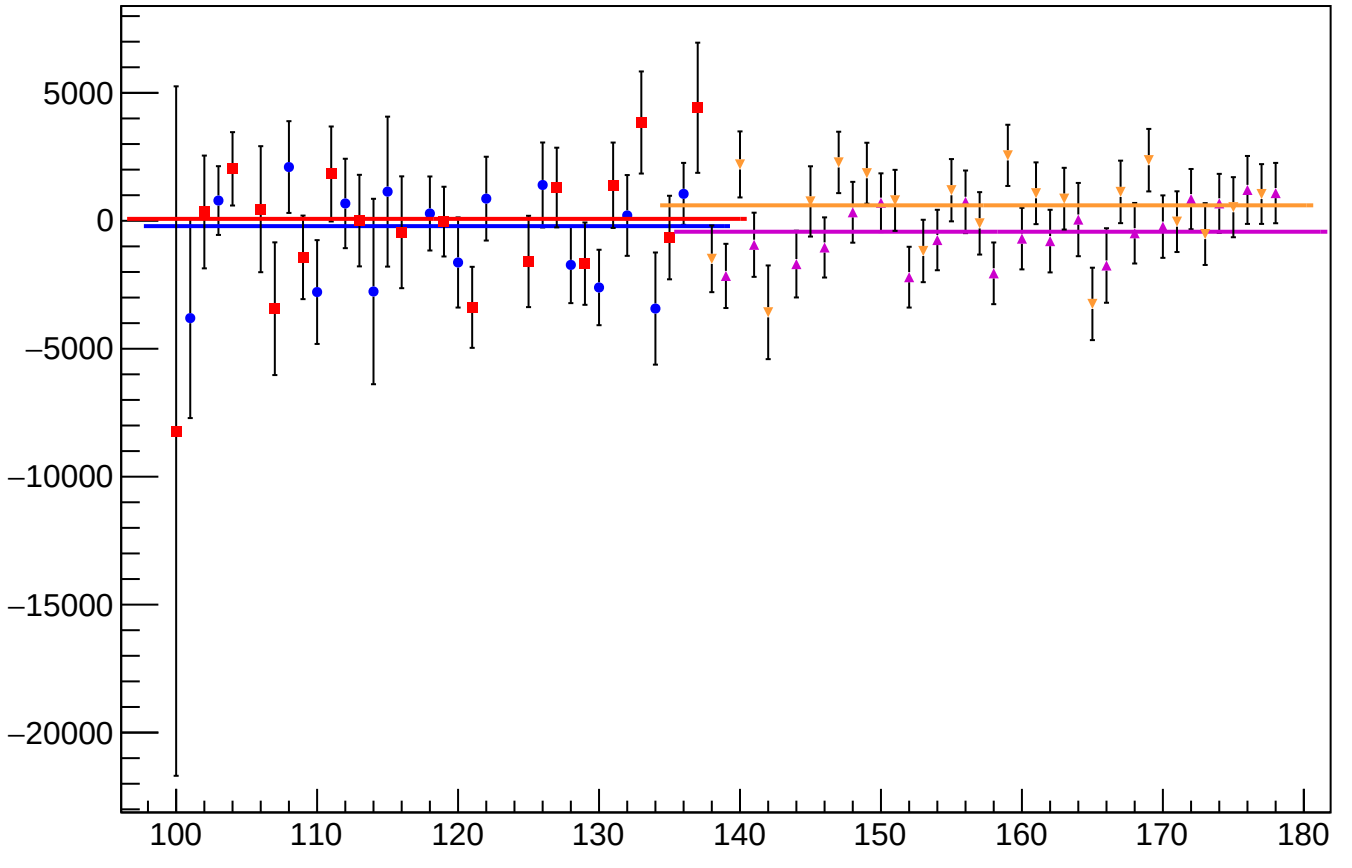
Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: -29.178+/-320.671 χ^2/NDF:26.5/35

Out: -151.869+/-299.019 χ^2/NDF:40.9/37

All: -94.805+/-218.693 χ^2/NDF: 67.5/73


asym_us_avg_atlr_avg_dd_cor_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
180
Right In: 516.297+/-0.244 χ²/NDF: 9834669.6/15
Left Out: 3482.426+/-0.631 χ²/NDF:837873.7/19
Right Out: 468.060+/-0.224 χ²/NDF: 9111222.0/17
Left In: 3475.120+/-0.620 χ²/NDF:1060232.4/19
Left: 3478.710+/-0.442 χ²/NDF: 1898174.3/39
Right: 490.202+/-0.165 χ²/NDF: 18967100.3/33
In: 911.838+/-0.227 χ²/NDF:30614495.7/35
Out: 806.531+/-0.211 χ²/NDF:30208380.9/37
All: 855.509+/-0.155 χ²/NDF: 60938245.9/73



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: -427.236+/-274.258 χ^2/NDF:16.0/19

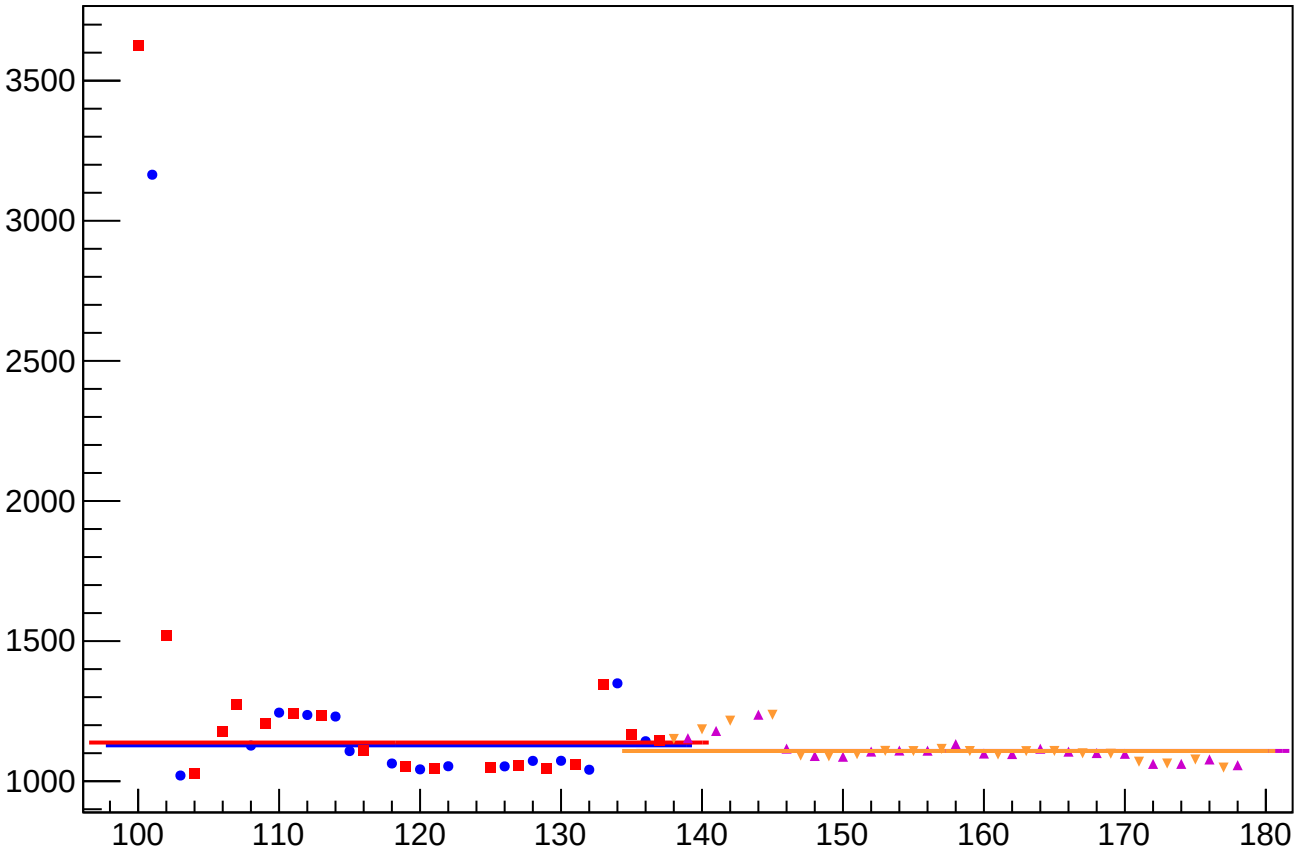
Left: 81.184+/-195.357 χ^2/NDF: 52.0/39

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -363.695+/-231.097 χ^2/NDF:31.0/35

Out: 449.014+/-233.782 χ^2/NDF:50.7/37

All: 37.966+/-164.352 χ^2/NDF: 87.8/73



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: 1108.037+/-0.194 χ^2/NDF:42411.4/19

Left: 1107.921+/-0.138 χ^2/NDF: 89336.1/39

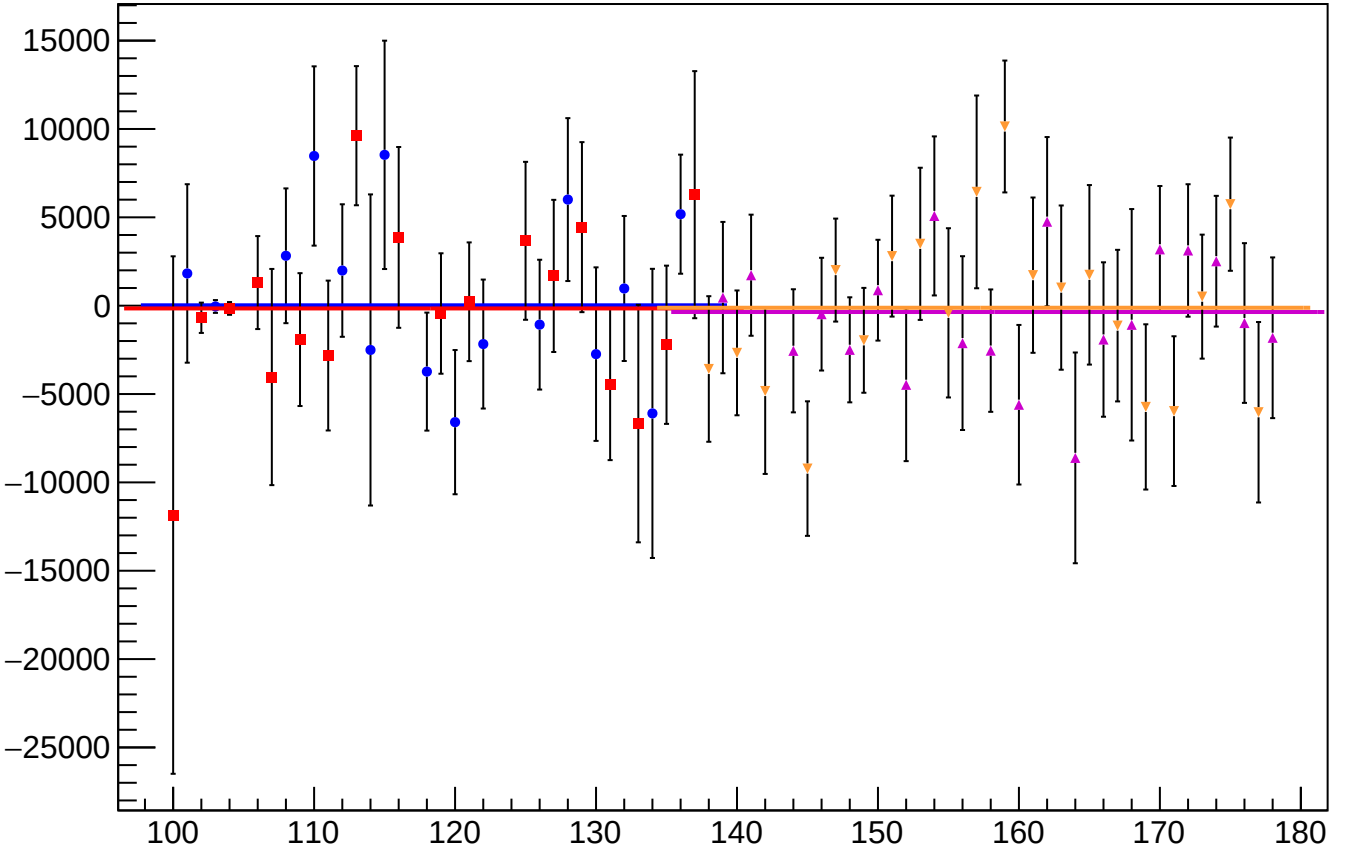
Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1113.828+/-0.163 χ^2/NDF:666882.0/35

Out: 1116.703+/-0.165 χ^2/NDF:274488.0/37

All: 1115.249+/-0.116 χ^2/NDF: 941523.1/73

asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -117.383+/-892.351 χ^2/NDF:26.9/19

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: -358.531+/-877.049 χ^2/NDF:11.5/19

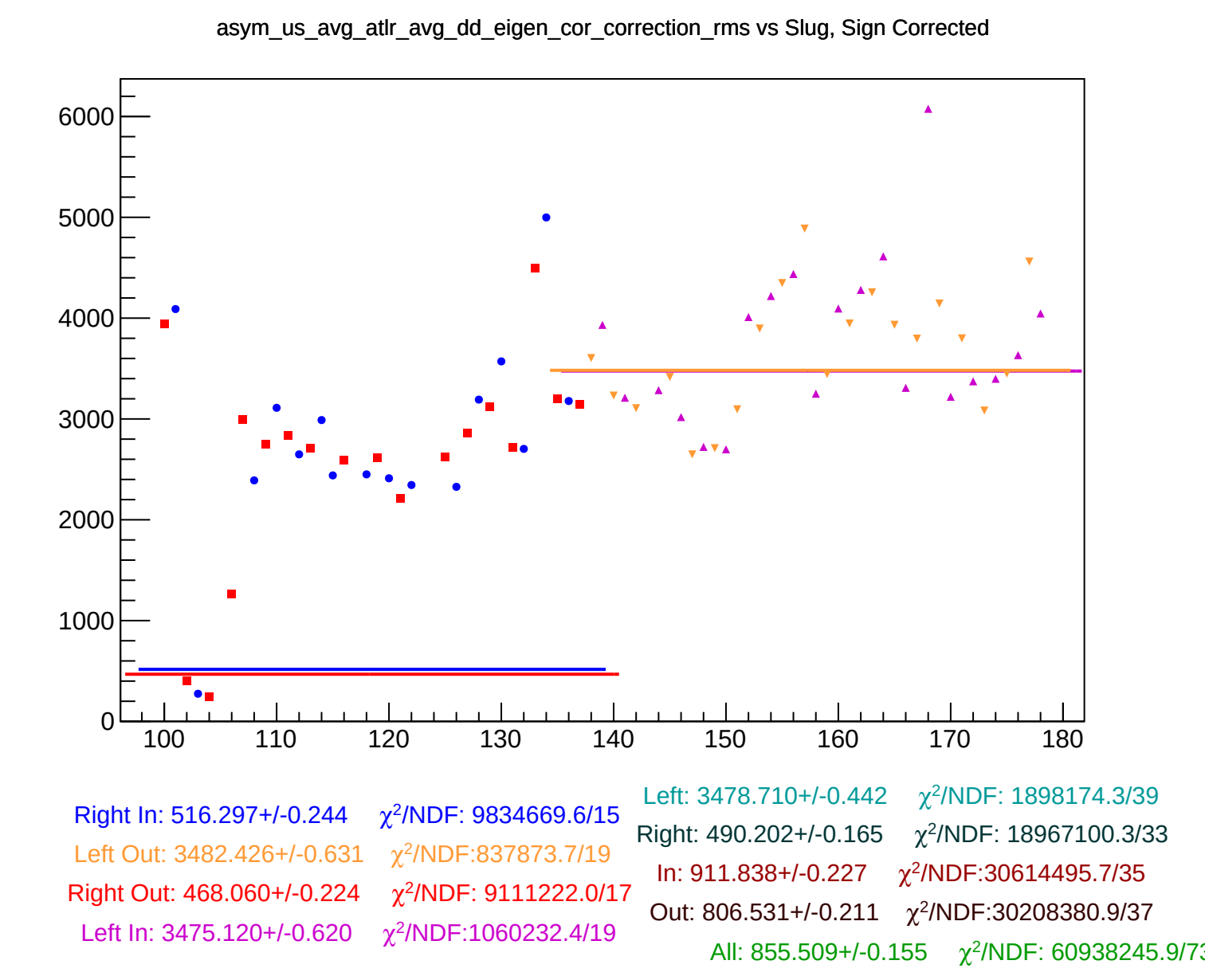
Left: -240.042+/-625.507 χ^2/NDF: 38.4/39

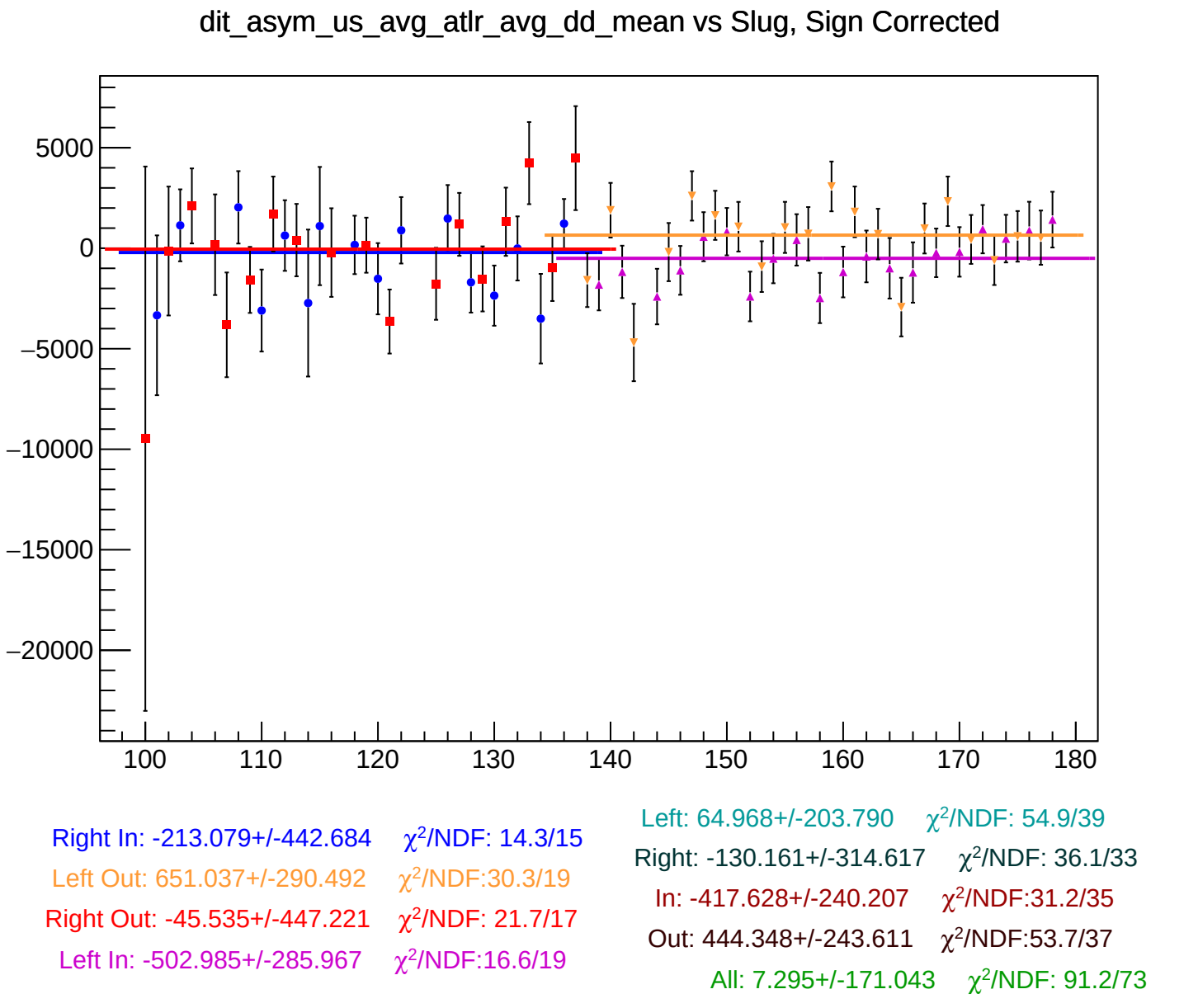
Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

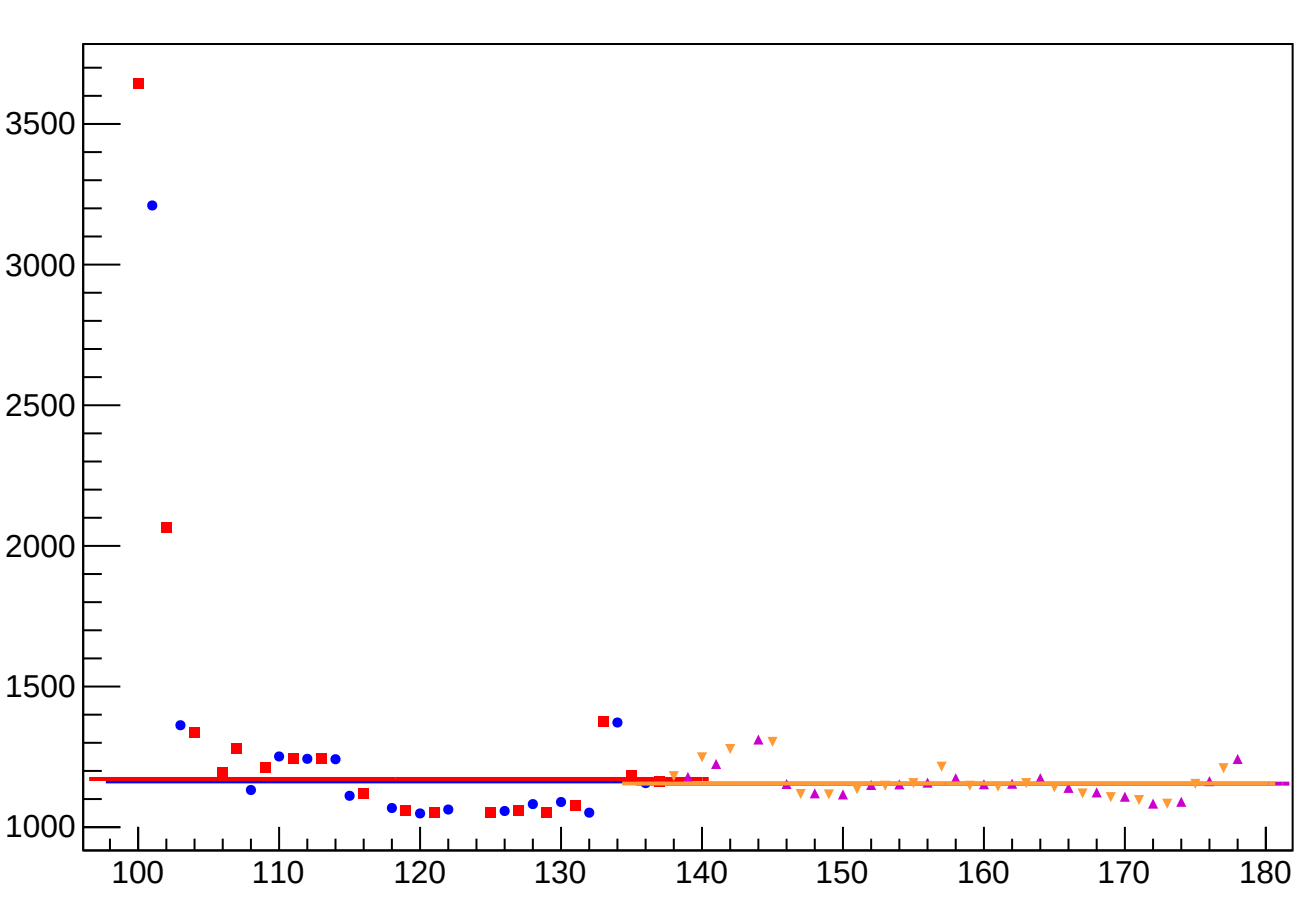
In: -29.178+/-320.671 χ^2/NDF:26.5/35

Out: -151.869+/-299.019 χ^2/NDF:40.9/37

All: -94.805+/-218.693 χ^2/NDF: 67.5/73


asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
180
Right In: 516.297+/-0.244 χ²/NDF: 9834669.6/15
Left Out: 3482.426+/-0.631 χ²/NDF:837873.7/19
Right Out: 468.060+/-0.224 χ²/NDF: 9111222.0/17
Left In: 3475.120+/-0.620 χ²/NDF:1060232.4/19
Left: 3478.710+/-0.442 χ²/NDF: 1898174.3/39
Right: 490.202+/-0.165 χ²/NDF: 18967100.3/33
In: 911.838+/-0.227 χ²/NDF:30614495.7/35
Out: 806.531+/-0.211 χ²/NDF:30208380.9/37
All: 855.509+/-0.155 χ²/NDF: 60938245.9/73


dit_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
Right In: -213.079+/-442.684 χ²/NDF: 14.3/15
Left Out: 651.037+/-290.492 χ²/NDF:30.3/19
Right Out: -45.535+/-447.221 χ²/NDF: 21.7/17
Left In: -502.985+/-285.967 χ²/NDF:16.6/19
Left: 64.968+/-203.790 χ²/NDF: 54.9/39
Right: -130.161+/-314.617 χ²/NDF: 36.1/33
In: -417.628+/-240.207 χ²/NDF:31.2/35
Out: 444.348+/-243.611 χ²/NDF:53.7/37
All: 7.295+/-171.043 χ²/NDF: 91.2/73



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: 1154.798+/-0.202 χ^2/NDF:62143.2/19

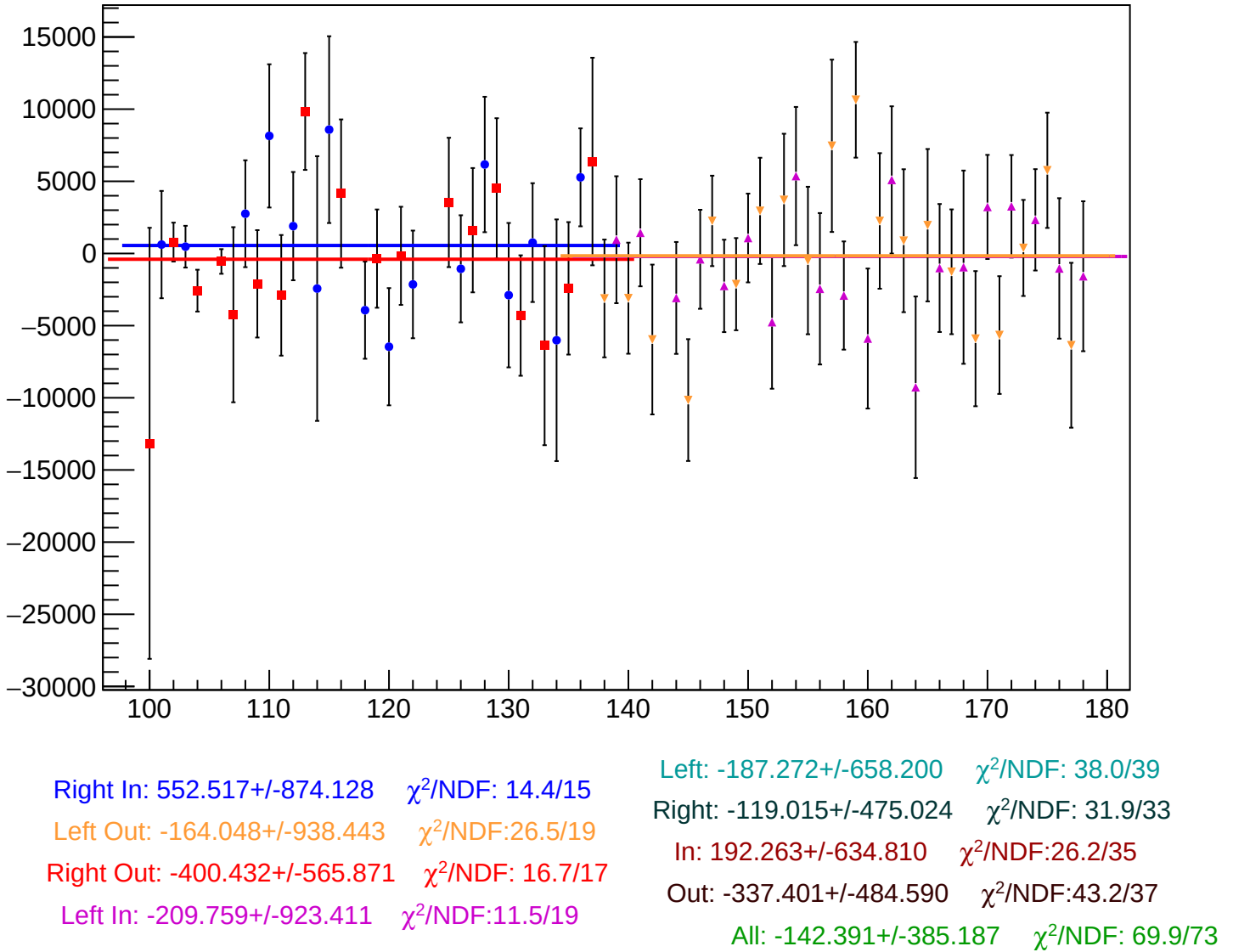
Left: 1155.153+/-0.144 χ^2/NDF: 129740.6/39

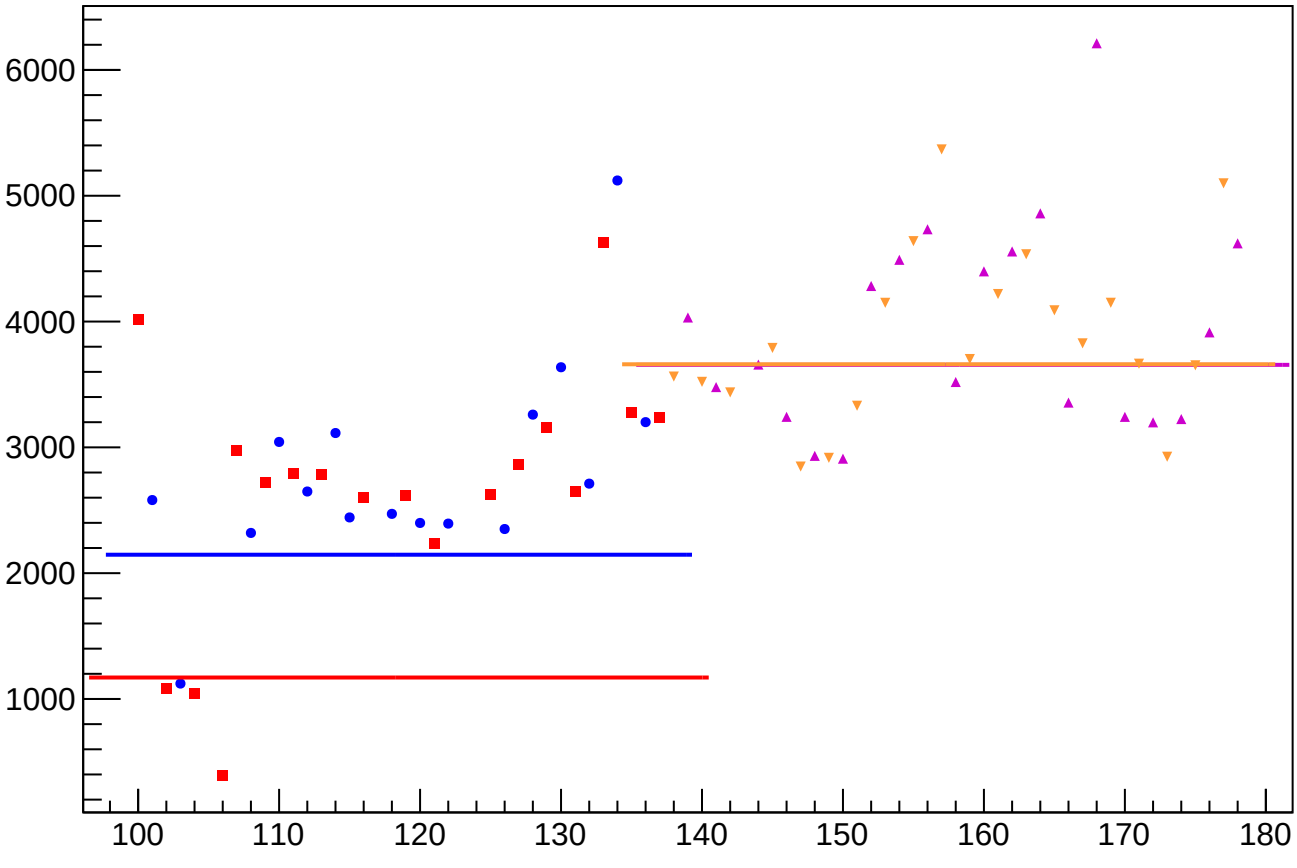
Right: 1167.094+/-0.222 χ^2/NDF: 967365.3/33

In: 1157.169+/-0.170 χ^2/NDF:697963.7/35

Out: 1160.241+/-0.172 χ^2/NDF:401011.2/37

All: 1158.684+/-0.121 χ^2/NDF: 1099136.1/73


asym_us_avg_atlr_avg_dd_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
180
Right In: 552.517+/-874.128 χ²/NDF: 14.4/15
Left Out: -164.048+/-938.443 χ²/NDF:26.5/19
Right Out: -400.432+/-565.871 χ²/NDF: 16.7/17
Left In: -209.759+/-923.411 χ²/NDF:11.5/19
Left: -187.272+/-658.200 χ²/NDF: 38.0/39
Right: -119.015+/-475.024 χ²/NDF: 31.9/33
In: 192.263+/-634.810 χ²/NDF:26.2/35
Out: -337.401+/-484.590 χ²/NDF:43.2/37
All: -142.391+/-385.187 χ²/NDF: 69.9/73



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: 3655.782+/-0.653 χ^2/NDF:1100096.0/19

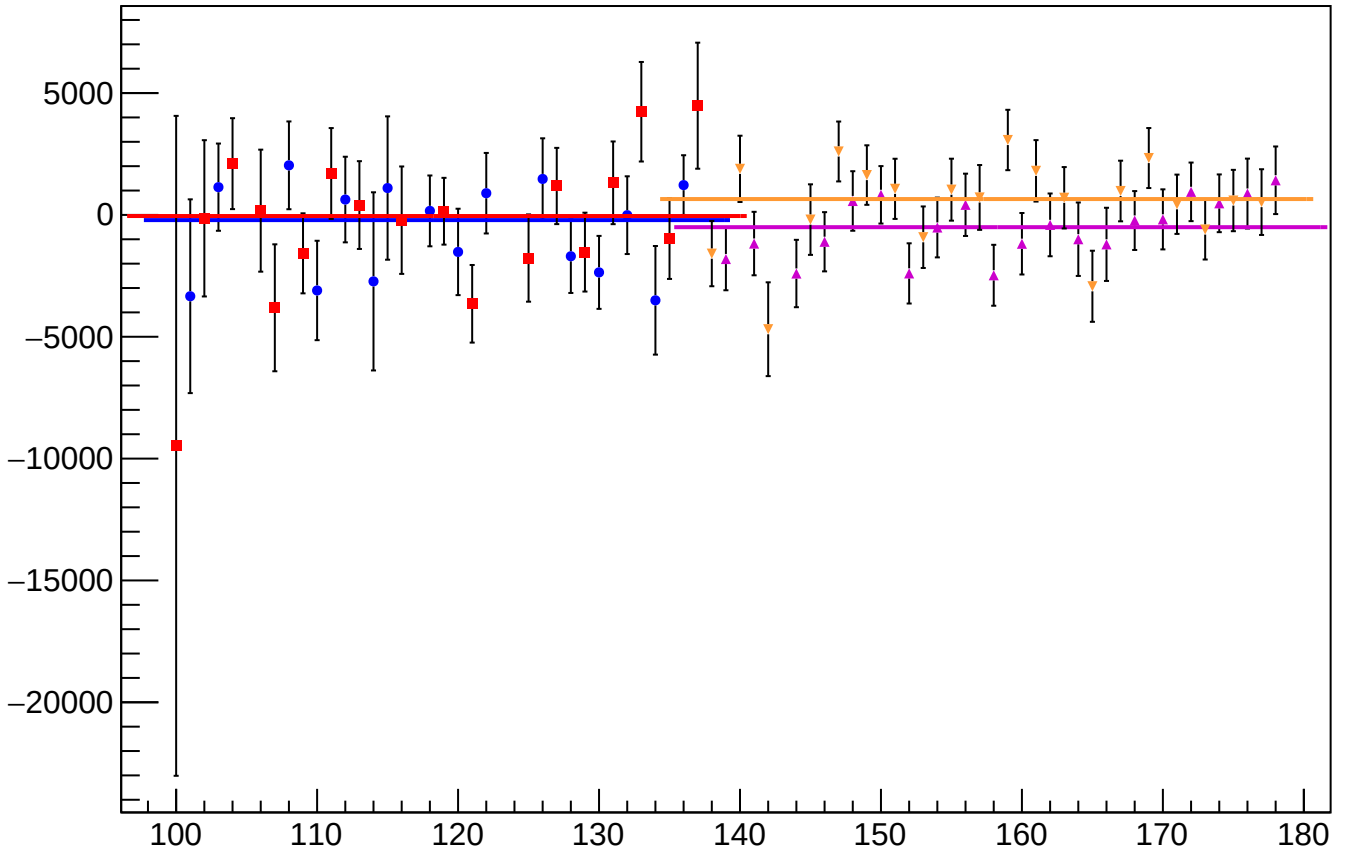
Left: 3658.032+/-0.465 χ^2/NDF: 1981398.6/39

Right: 1458.811+/-0.336 χ^2/NDF: 9549375.1/33

In: 2859.853+/-0.449 χ^2/NDF:5892233.0/35

Out: 1834.462+/-0.343 χ^2/NDF:17022850.7/37

All: 2211.987+/-0.272 χ^2/NDF: 26212070.7/7



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: -502.986+/-285.967 χ^2/NDF:16.6/19

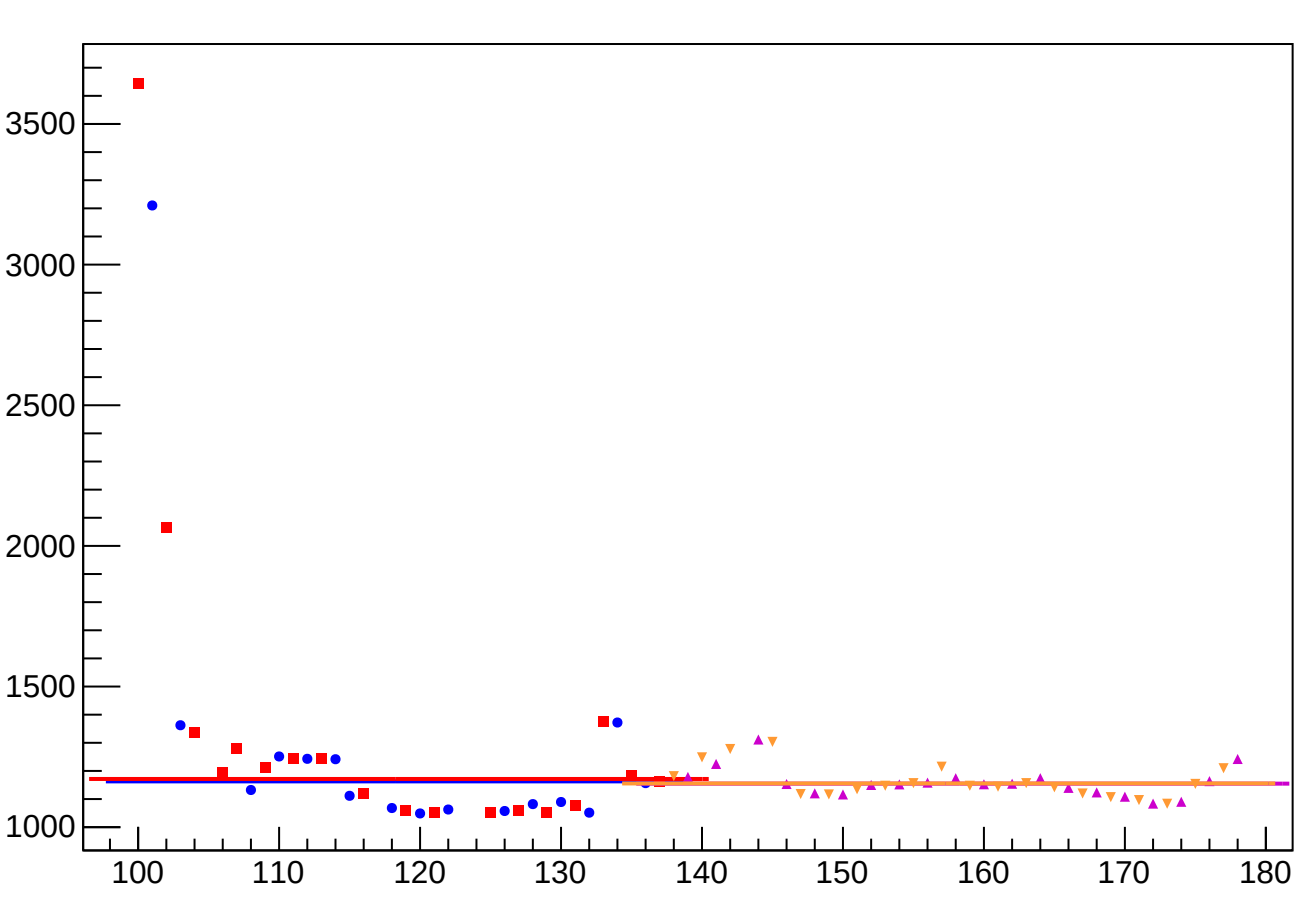
Left: 64.967+/-203.790 χ^2/NDF: 54.9/39

Right: -130.164+/-314.617 χ^2/NDF: 36.1/33

In: -417.629+/-240.207 χ^2/NDF:31.2/35

Out: 444.347+/-243.611 χ^2/NDF:53.7/37

All: 7.294+/-171.043 χ^2/NDF: 91.2/73



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: 1154.799+/-0.202 χ^2/NDF:62145.4/19

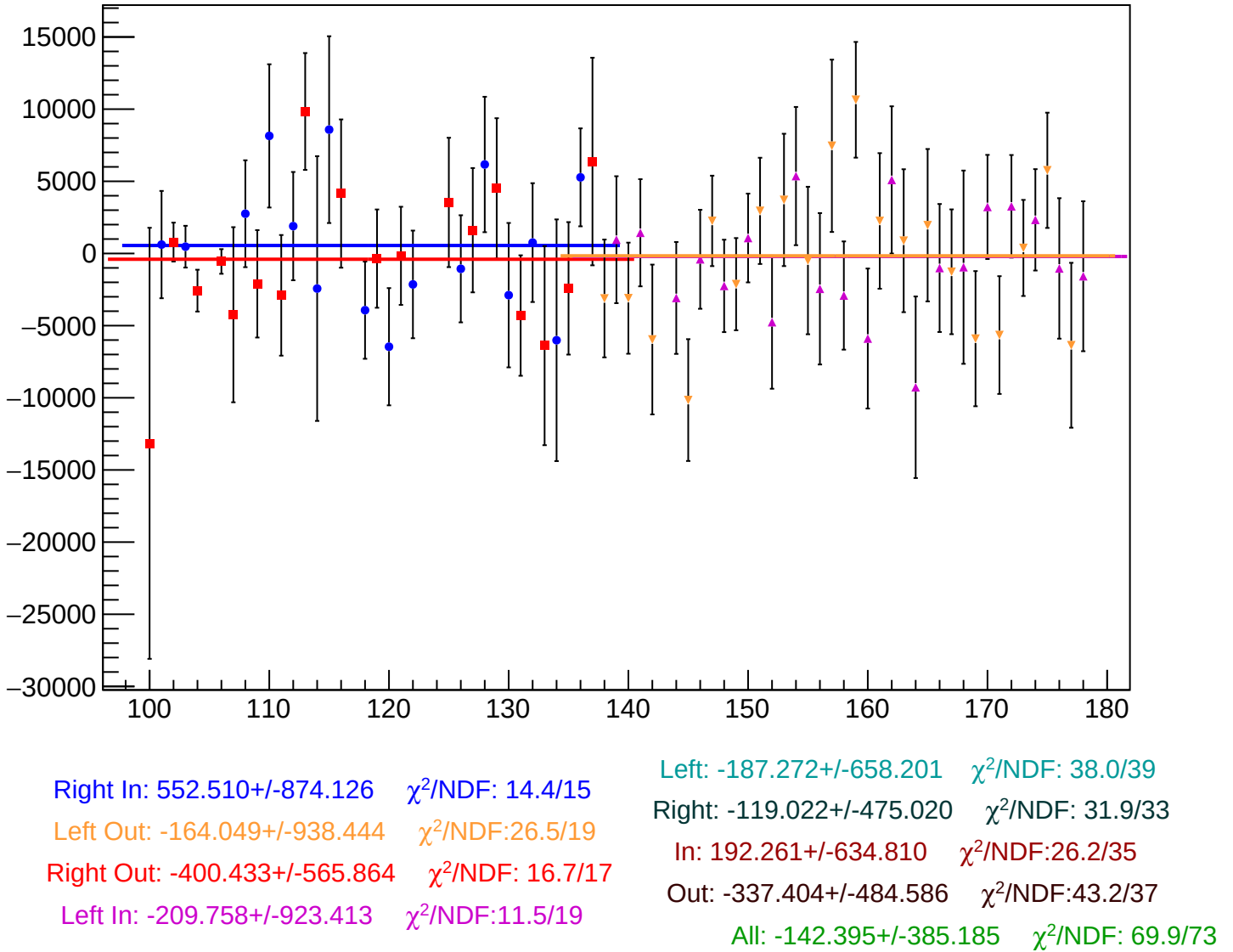
Left: 1155.154+/-0.144 χ^2/NDF: 129744.6/39

Right: 1167.094+/-0.222 χ^2/NDF: 967365.1/33

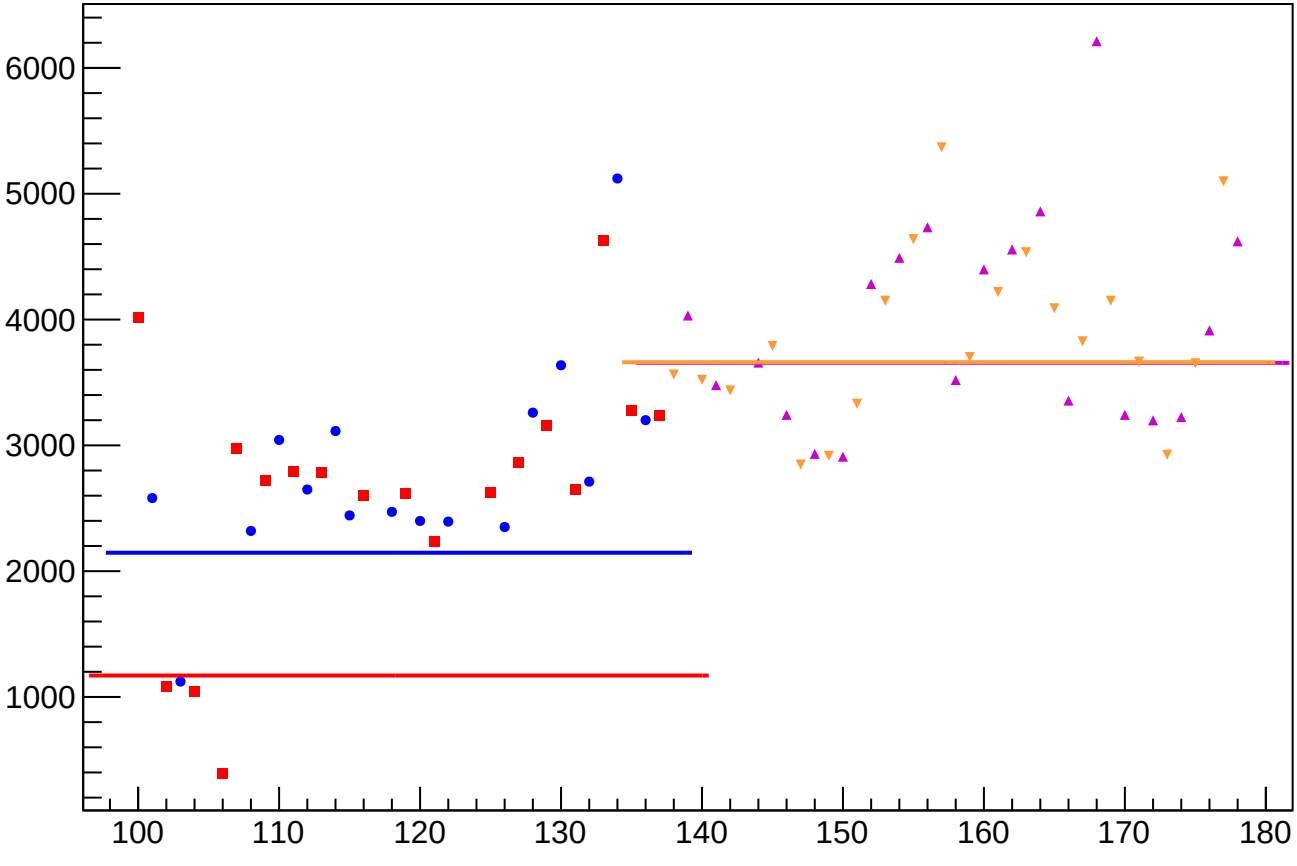
In: 1157.170+/-0.170 χ^2/NDF:697965.8/35

Out: 1160.241+/-0.172 χ^2/NDF:401012.5/37

All: 1158.684+/-0.121 χ^2/NDF: 1099139.6/73


asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
180
Right In: 552.510+/-874.126 χ²/NDF: 14.4/15
Left Out: -164.049+/-938.444 χ²/NDF:26.5/19
Right Out: -400.433+/-565.864 χ²/NDF: 16.7/17
Left In: -209.758+/-923.413 χ²/NDF:11.5/19
Left: -187.272+/-658.201 χ²/NDF: 38.0/39
Right: -119.022+/-475.020 χ²/NDF: 31.9/33
In: 192.261+/-634.810 χ²/NDF:26.2/35
Out: -337.404+/-484.586 χ²/NDF:43.2/37
All: -142.395+/-385.185 χ²/NDF: 69.9/73

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: 3655.787+/-0.653 χ^2/NDF:1100098.9/19

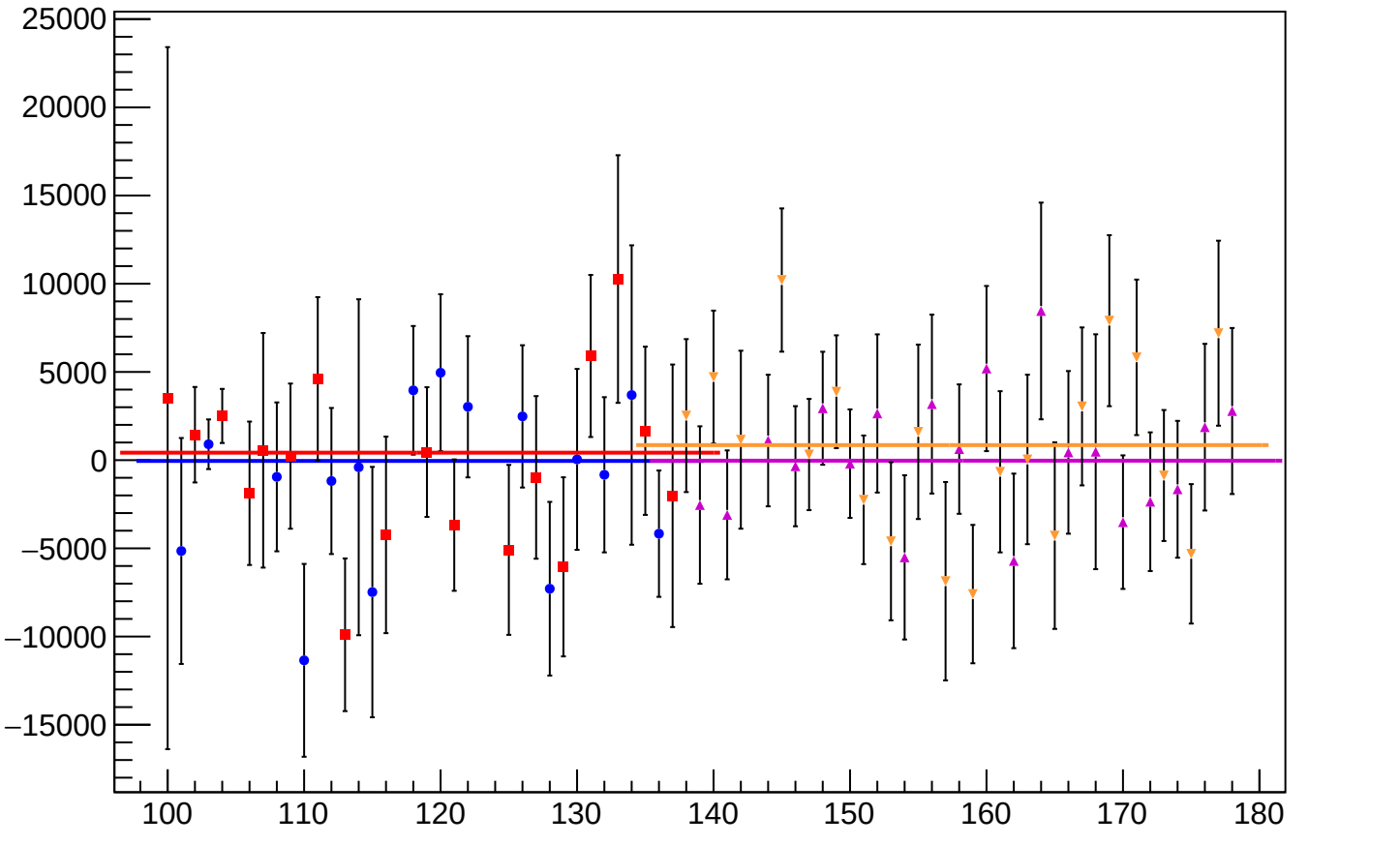
Left: 3658.038+/-0.465 χ^2/NDF: 1981402.8/39

Right: 1458.789+/-0.336 χ^2/NDF: 9549586.1/33

In: 2859.851+/-0.449 χ^2/NDF:5892261.8/35

Out: 1834.433+/-0.343 χ^2/NDF:17023258.7/37

All: 2211.965+/-0.272 χ^2/NDF: 26212703.3/7



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: -30.303+/-924.935 χ^2/NDF:10.5/19

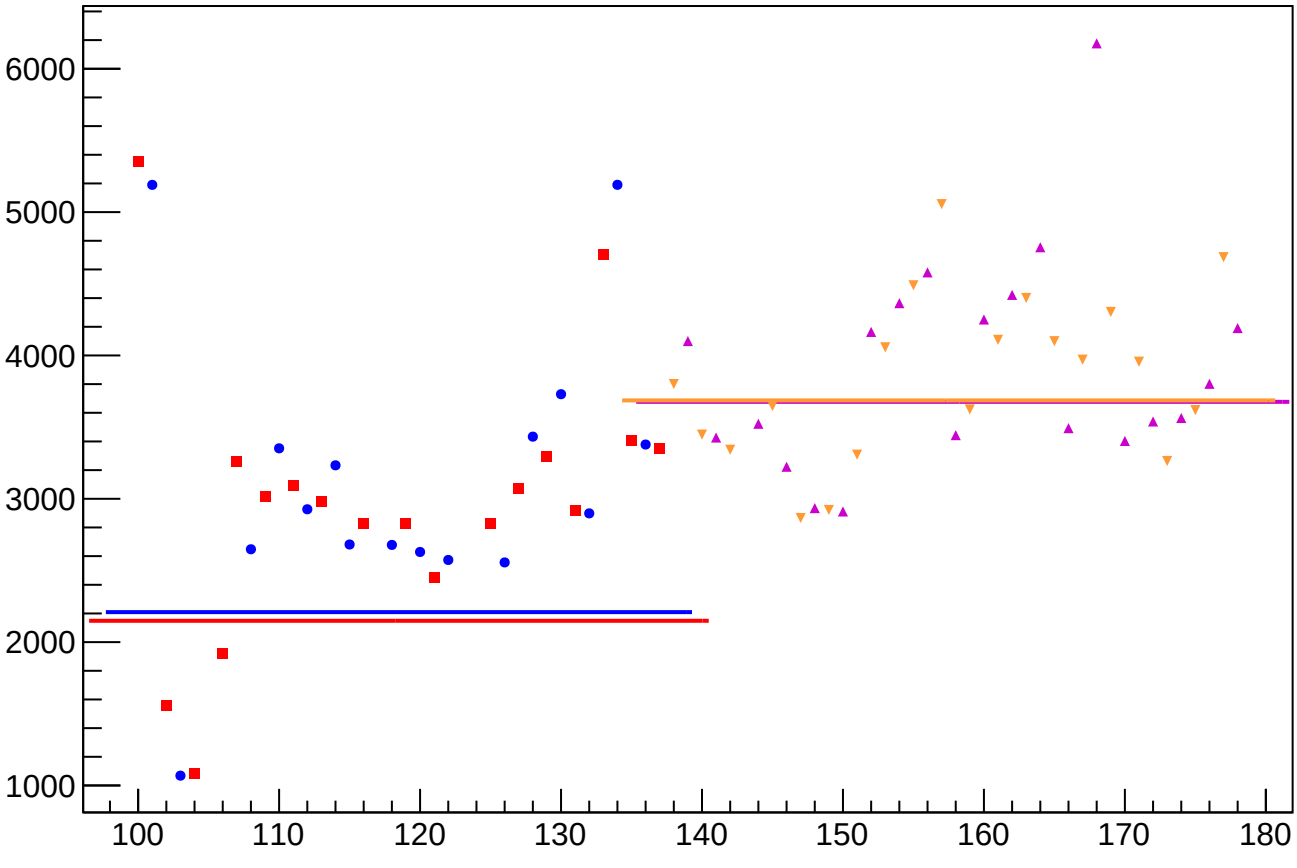
Left: 403.788+/-659.759 χ^2/NDF: 36.0/39

Right: 195.485+/-642.405 χ^2/NDF: 31.2/33

In: -37.622+/-652.538 χ^2/NDF:24.3/35

Out: 628.023+/-649.291 χ^2/NDF:42.5/37

All: 296.861+/-460.262 χ^2/NDF: 67.3/73



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: 3676.365+/-0.654 χ^2/NDF:898156.9/19

Left: 3681.233+/-0.467 χ^2/NDF: 1594653.6/39

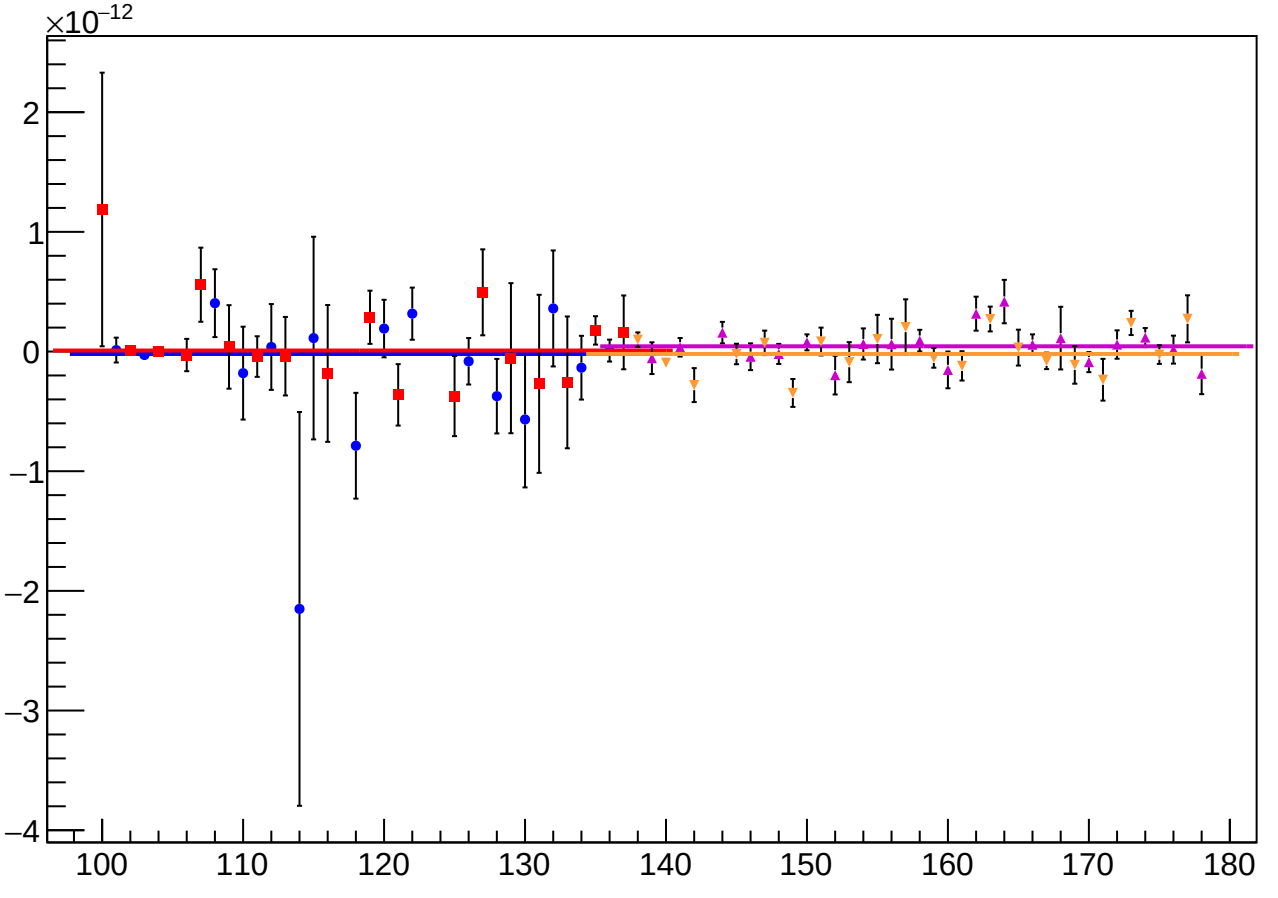
Right: 2178.279+/-0.454 χ^2/NDF: 5110964.0/33

In: 2939.517+/-0.461 χ^2/NDF:6262119.2/35

Out: 2878.473+/-0.459 χ^2/NDF:5768816.7/37

All: 2908.804+/-0.325 χ^2/NDF: 12039742.0/7

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:41.7/19

Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/17

Left In: 0.000+/-0.000 χ^2/NDF:21.0/19

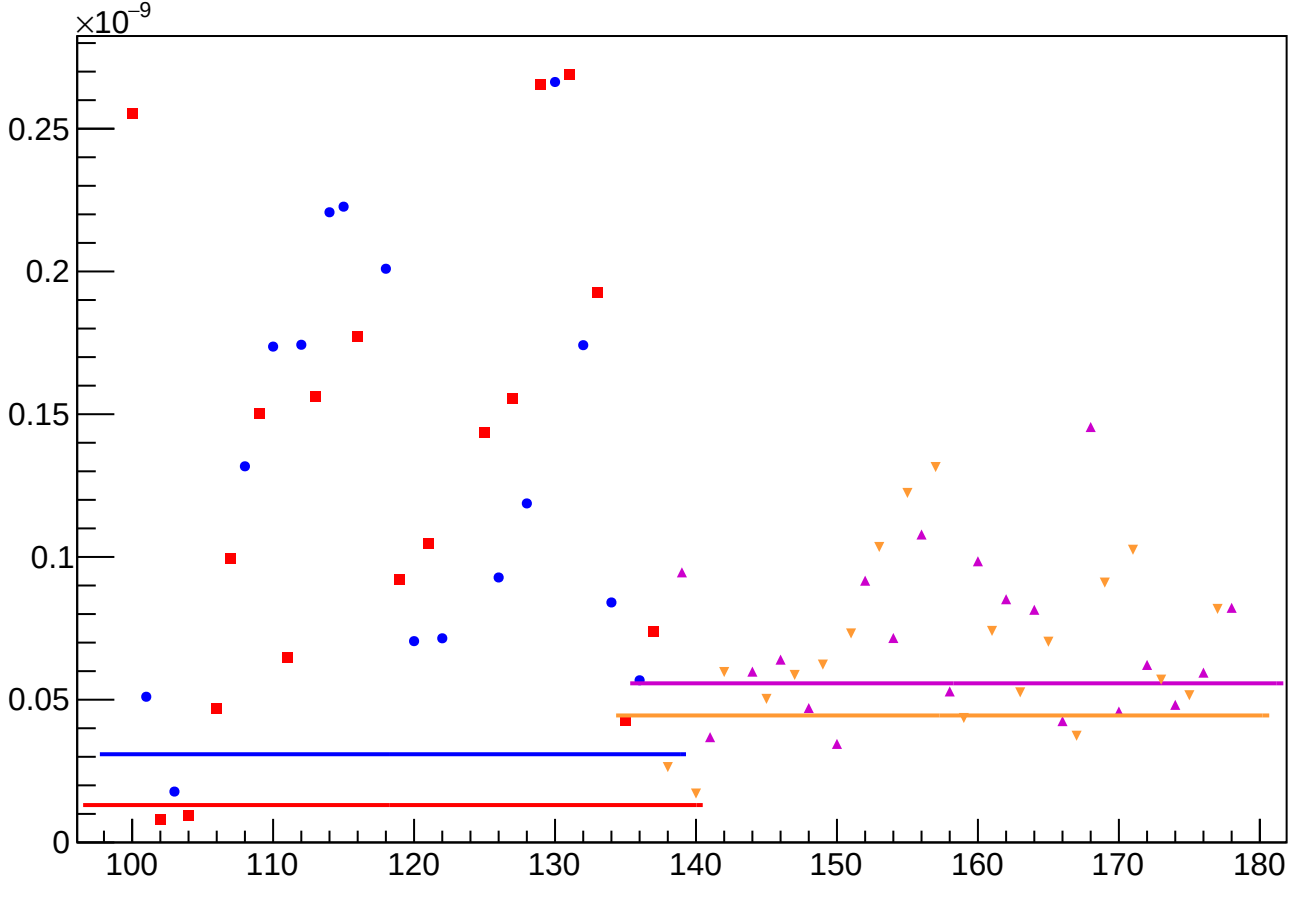
Left: 0.000+/-0.000 χ^2/NDF: 66.8/39

Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: 0.000+/-0.000 χ^2/NDF:38.1/35

Out: -0.000+/-0.000 χ^2/NDF:56.9/37

All: 0.000+/-0.000 χ^2/NDF: 95.5/73



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:1446097.5/19

Left: 0.000+/-0.000 χ^2/NDF: 4571231.8/39

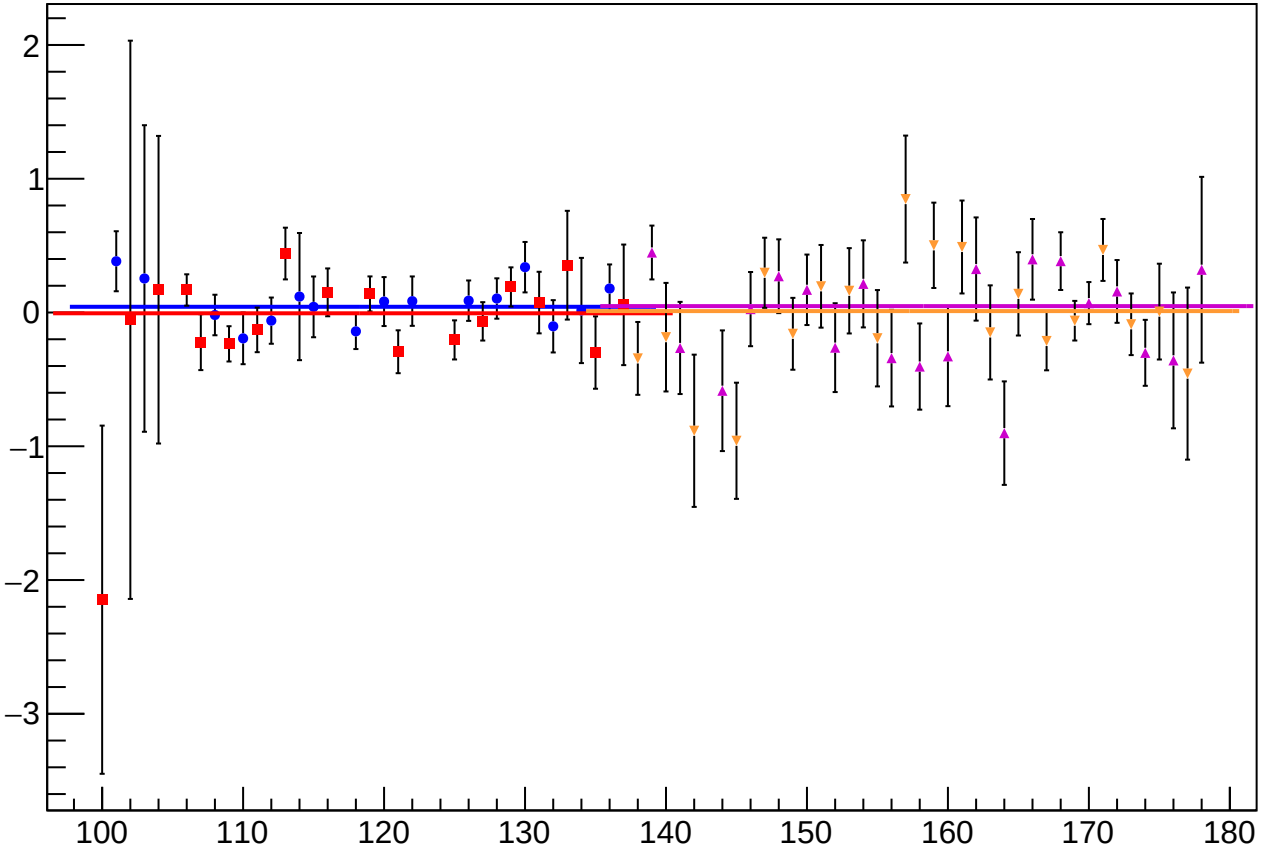
Right: 0.000+/-0.000 χ^2/NDF: 7385142.0/33

In: 0.000+/-0.000 χ^2/NDF:5464911.8/35

Out: 0.000+/-0.000 χ^2/NDF:9535410.5/37

All: 0.000+/-0.000 χ^2/NDF: 16884884.8/73

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: 0.048+/-0.063 χ^2/NDF:26.3/19

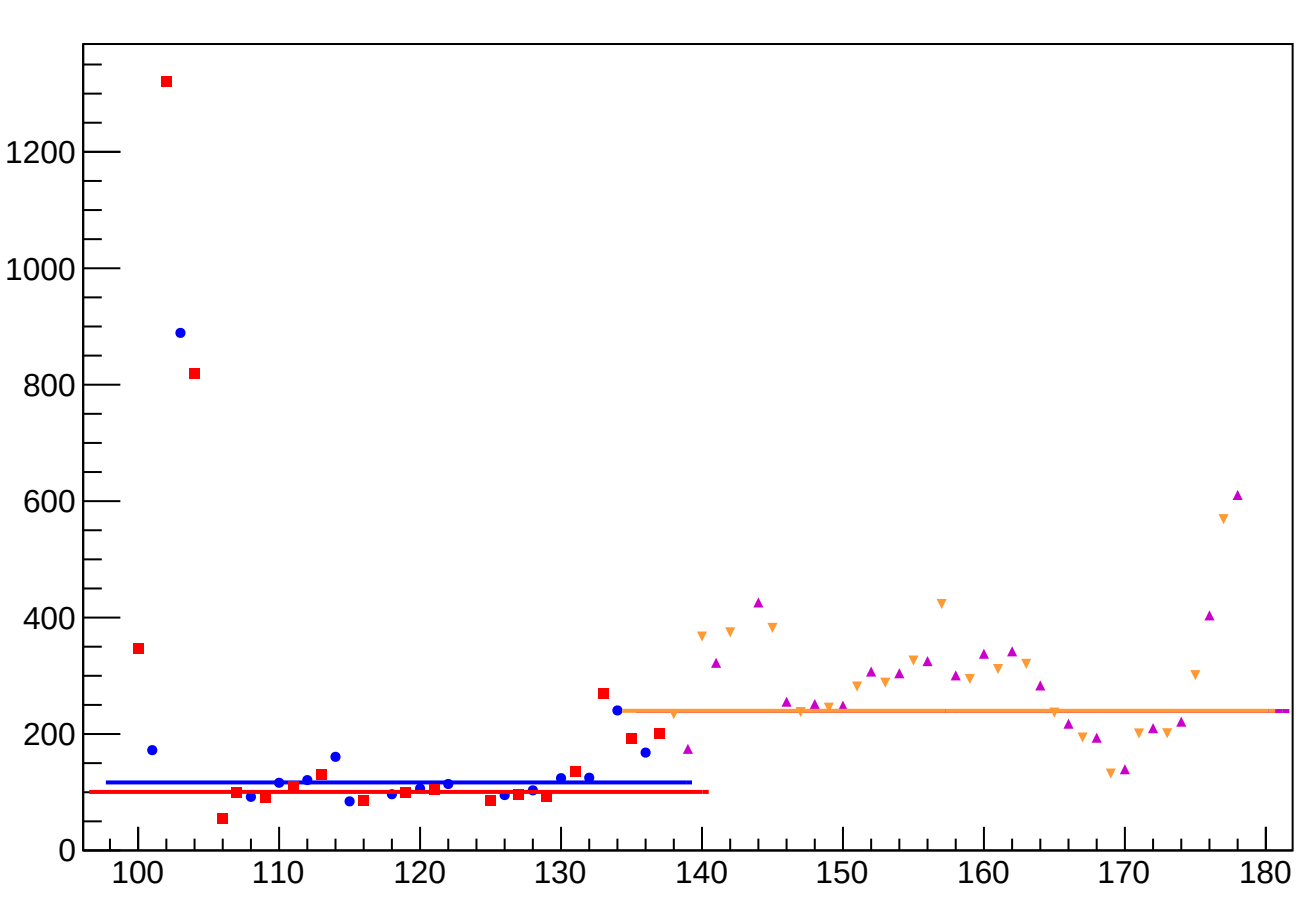
Left: 0.029+/-0.045 χ^2/NDF: 52.0/39

Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.045+/-0.038 χ^2/NDF:36.5/35

Out: -0.001+/-0.036 χ^2/NDF:51.6/37

All: 0.021+/-0.026 χ^2/NDF: 88.9/73



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: 239.490+/-0.045 χ^2/NDF:3063102.7/19

Left: 239.674+/-0.032 χ^2/NDF: 6176393.0/39

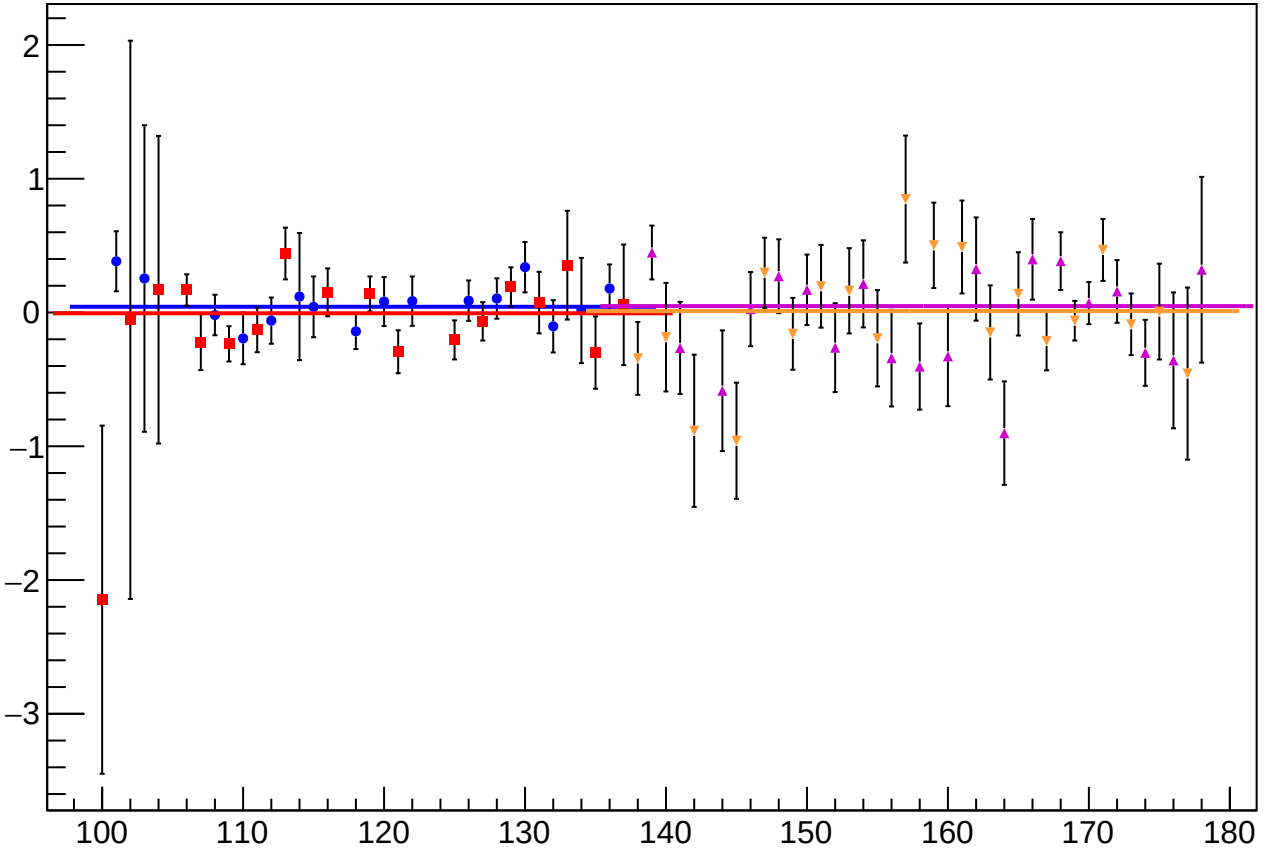
Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 160.847+/-0.027 χ^2/NDF:9475137.4/35

Out: 143.813+/-0.025 χ^2/NDF:12184026.1/37

All: 151.873+/-0.018 χ^2/NDF: 21870784.6/73

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: 0.010+/-0.065 χ^2/NDF:25.5/19

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.048+/-0.063 χ^2/NDF:26.3/19

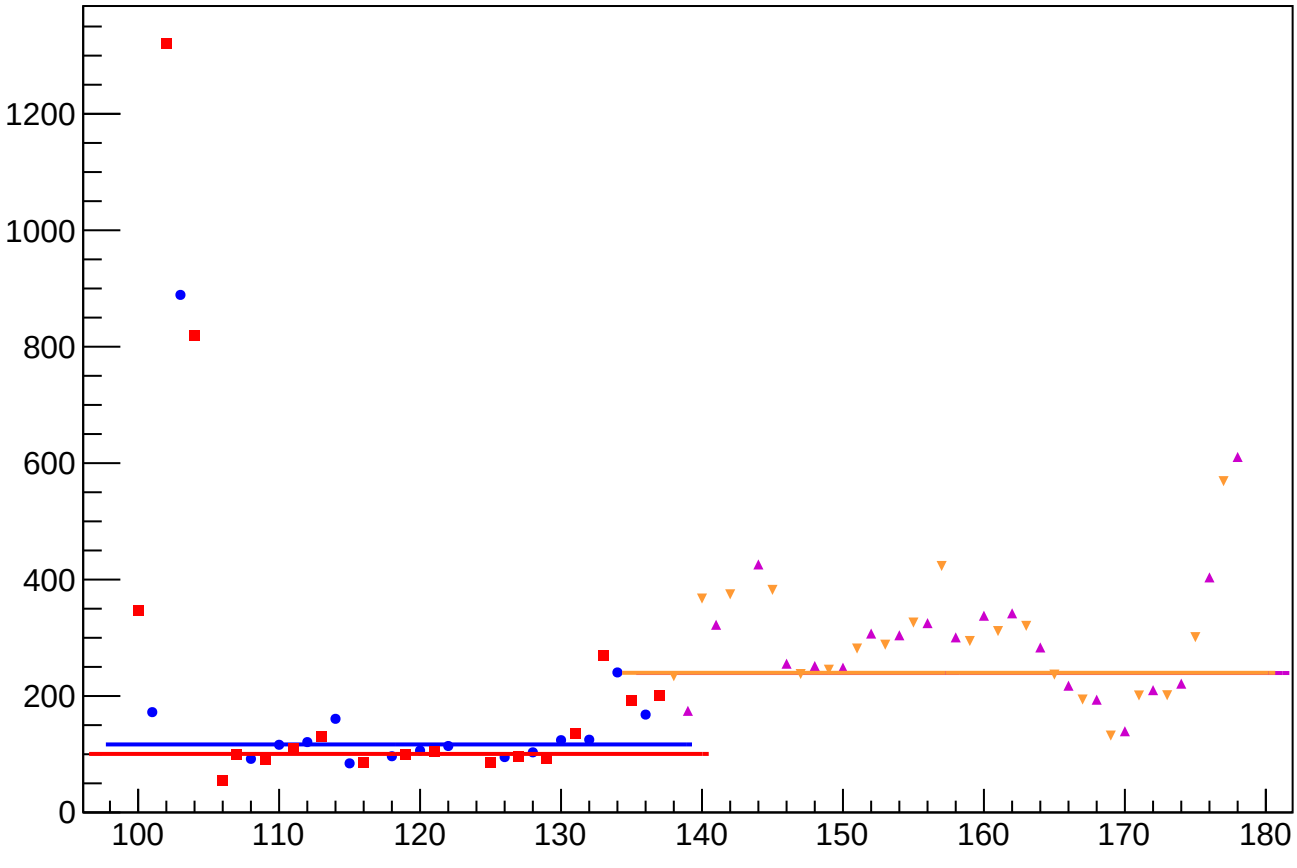
Left: 0.029+/-0.045 χ^2/NDF: 52.0/39

Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.045+/-0.038 χ^2/NDF:36.5/35

Out: -0.001+/-0.036 χ^2/NDF:51.6/37

All: 0.021+/-0.026 χ^2/NDF: 88.9/73



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: 239.490+/-0.045 χ^2/NDF:3063102.7/19

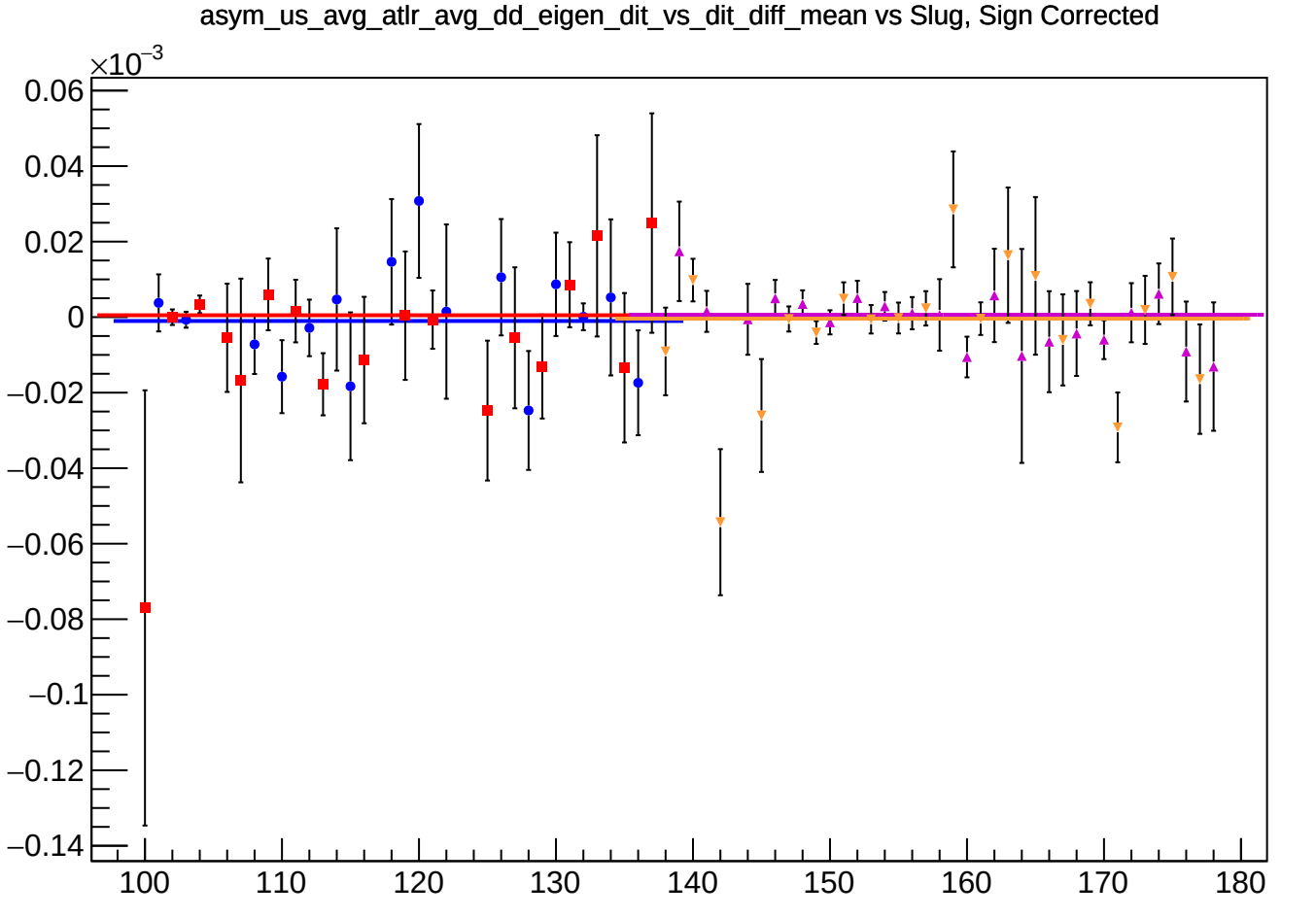
Left: 239.674+/-0.032 χ^2/NDF: 6176393.0/39

Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 160.847+/-0.027 χ^2/NDF:9475137.4/35

Out: 143.813+/-0.025 χ^2/NDF:12184026.1/37

All: 151.873+/-0.018 χ^2/NDF: 21870784.6/73



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:13.2/19

Left: 0.000+/-0.000 χ^2/NDF: 49.0/39

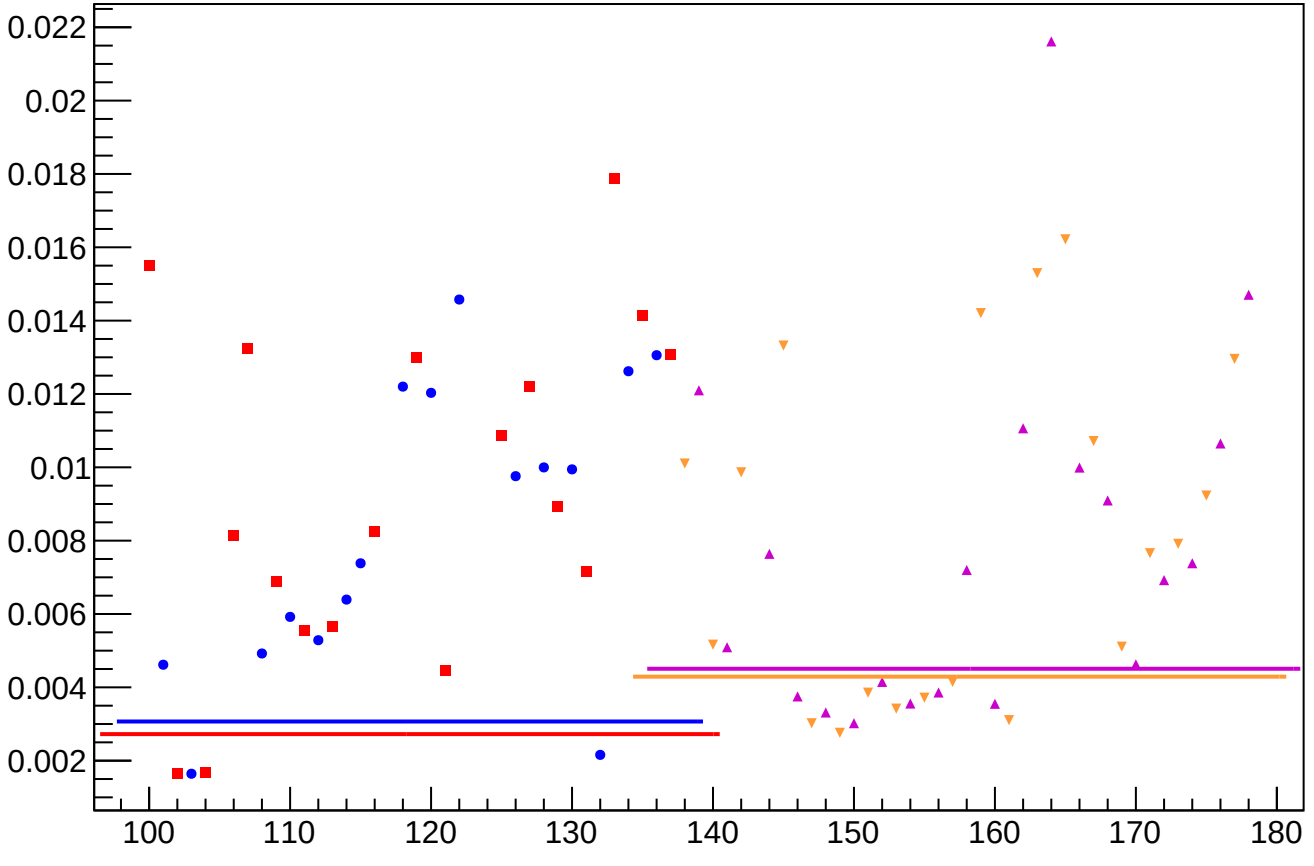
Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: -0.000+/-0.000 χ^2/NDF:26.4/35

Out: 0.000+/-0.000 χ^2/NDF:50.8/37

All: -0.000+/-0.000 χ^2/NDF: 77.2/73

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: 0.005+/-0.000 χ^2/NDF:5575414.5/19

Left: 0.004+/-0.000 χ^2/NDF: 12800154.6/39

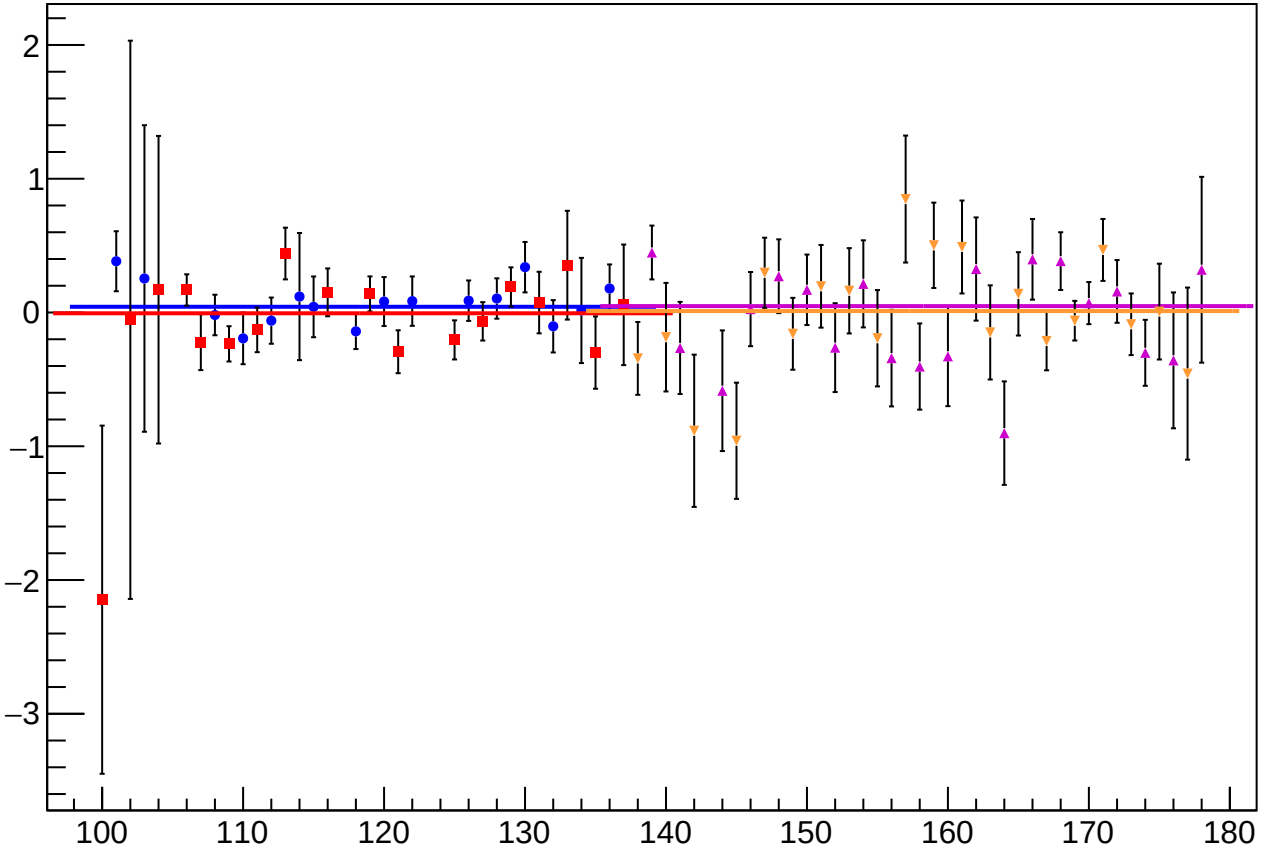
Right: 0.003+/-0.000 χ^2/NDF: 12731216.4/33

In: 0.004+/-0.000 χ^2/NDF:12522410.8/35

Out: 0.004+/-0.000 χ^2/NDF:15286007.3/37

All: 0.004+/-0.000 χ^2/NDF: 27931859.7/73

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: 0.048+/-0.063 χ^2/NDF:26.3/19

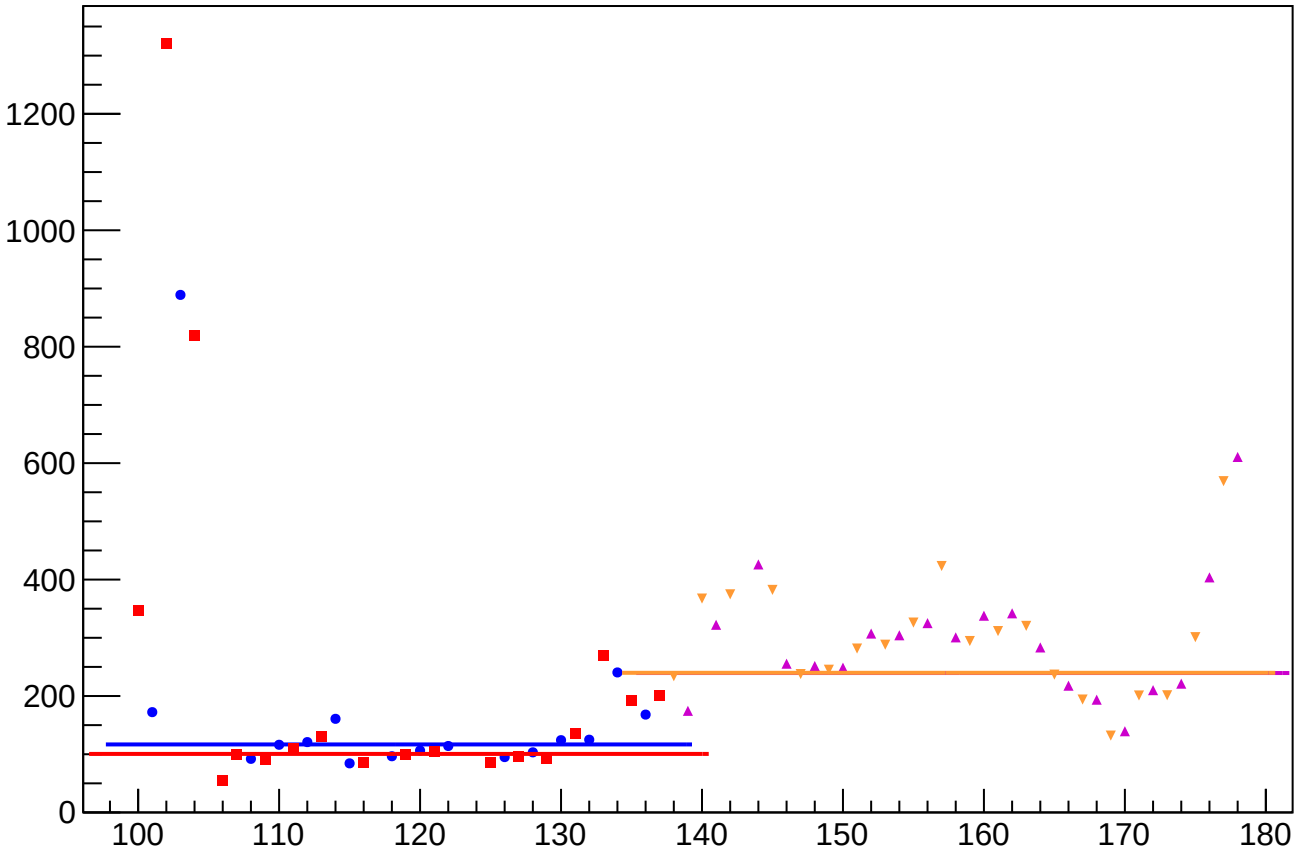
Left: 0.029+/-0.045 χ^2/NDF: 52.0/39

Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.045+/-0.038 χ^2/NDF:36.5/35

Out: -0.001+/-0.036 χ^2/NDF:51.6/37

All: 0.021+/-0.026 χ^2/NDF: 88.9/73



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: 239.492+/-0.045 χ^2/NDF:3063150.6/19

Left: 239.675+/-0.032 χ^2/NDF: 6176565.6/39

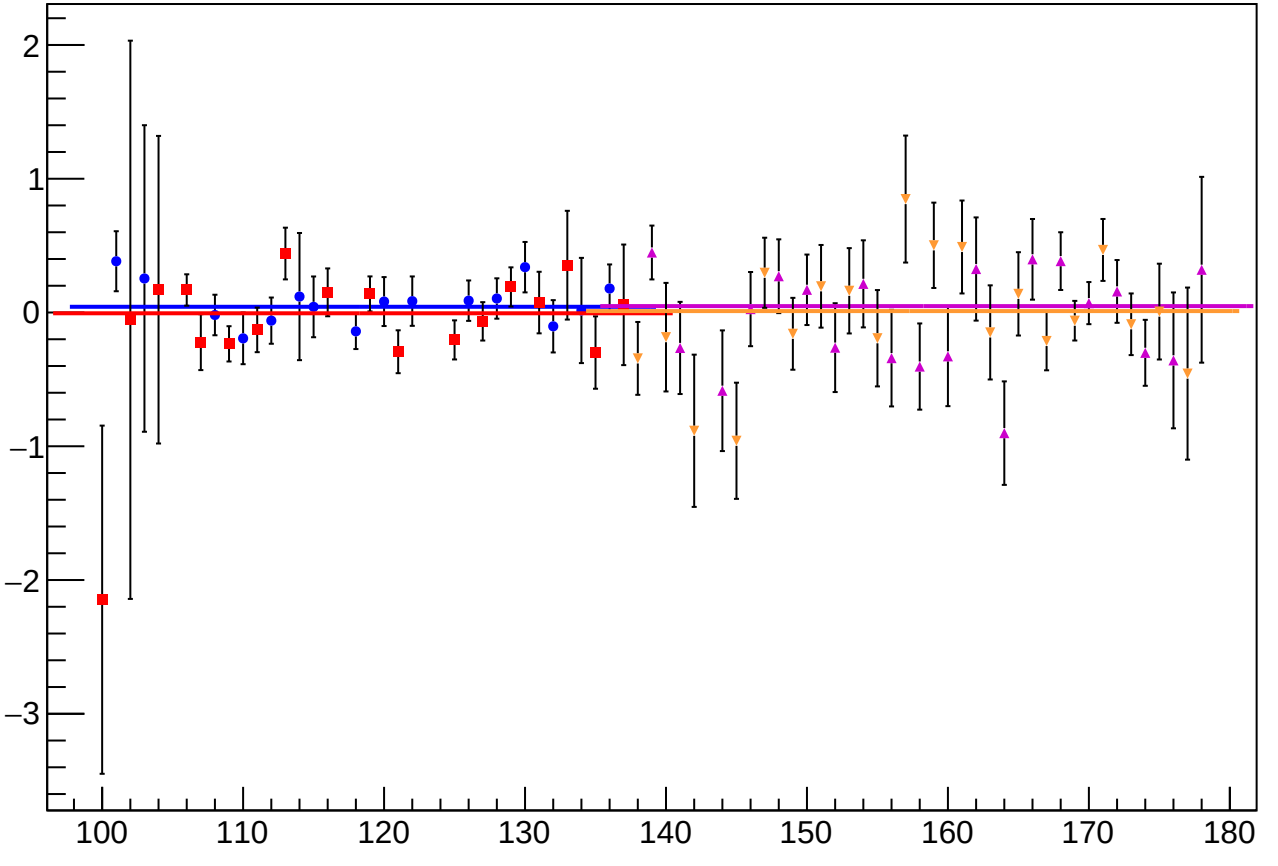
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 160.847+/-0.027 χ^2/NDF:9475267.7/35

Out: 143.812+/-0.025 χ^2/NDF:12184331.9/37

All: 151.872+/-0.018 χ^2/NDF: 21871249.6/73

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: 0.048+/-0.063 χ^2/NDF:26.3/19

Left: 0.029+/-0.045 χ^2/NDF: 52.0/39

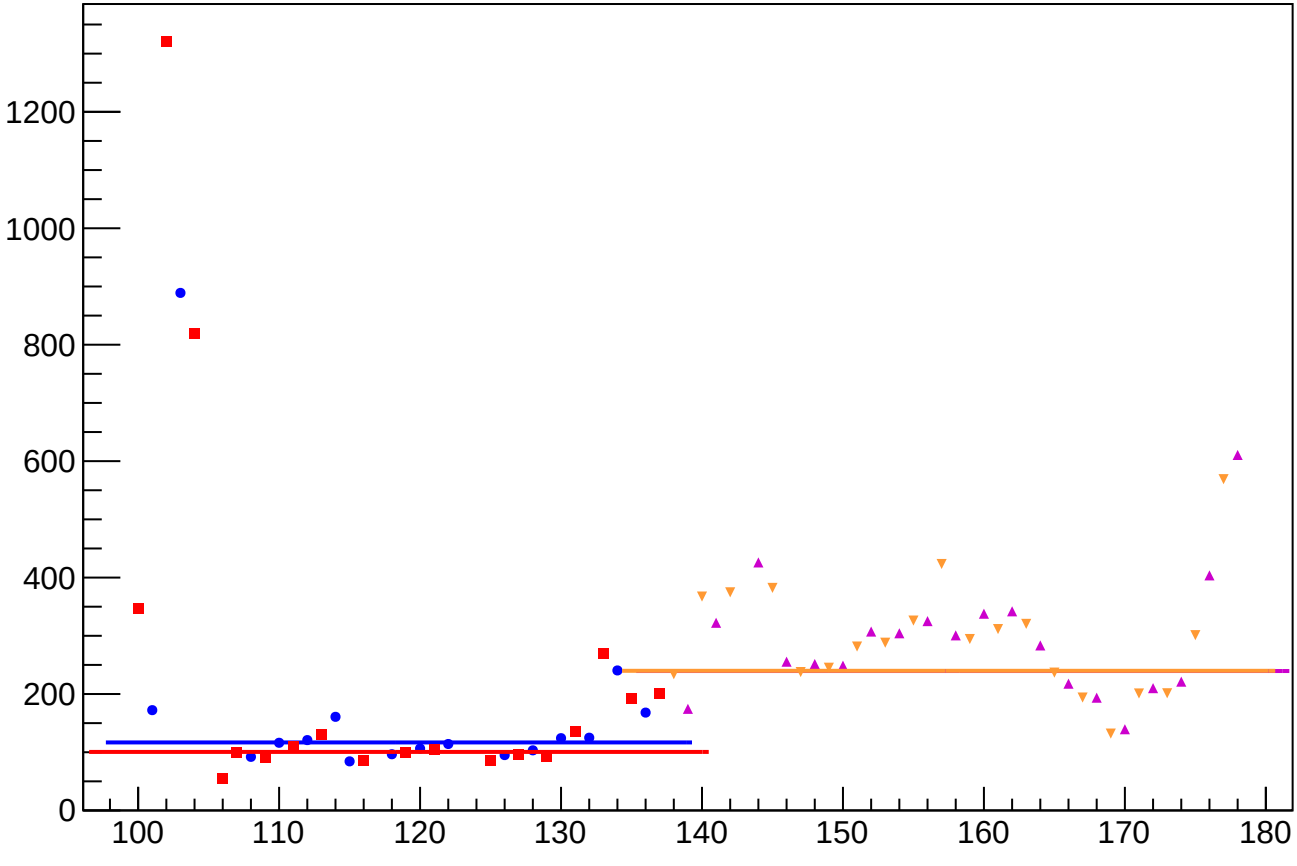
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.045+/-0.038 χ^2/NDF:36.5/35

Out: -0.001+/-0.036 χ^2/NDF:51.6/37

All: 0.021+/-0.026 χ^2/NDF: 88.9/73

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 239.864+/-0.046 χ^2/NDF:3113381.2/19

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 239.492+/-0.045 χ^2/NDF:3063150.6/19

Left: 239.675+/-0.032 χ^2/NDF: 6176565.6/39

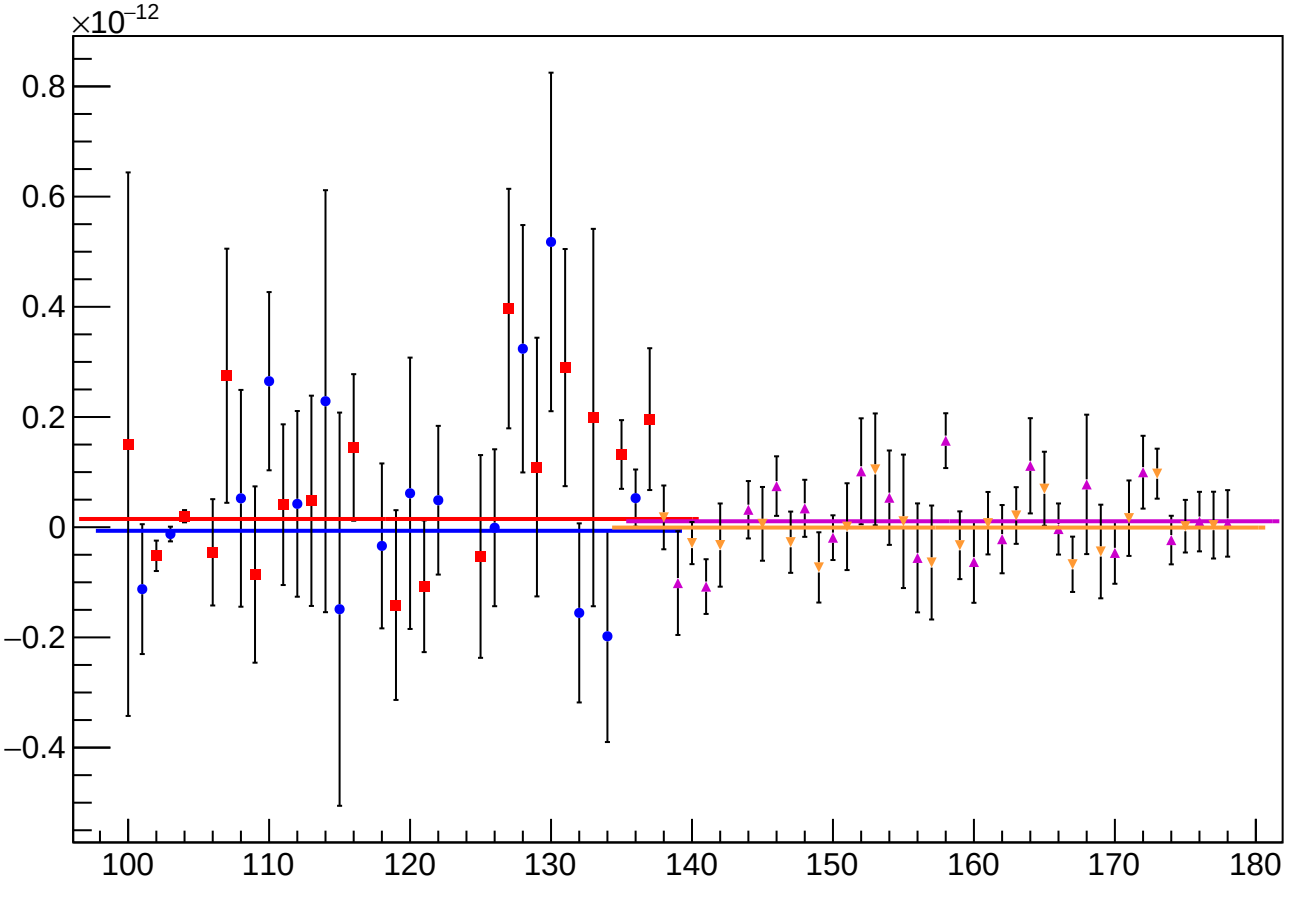
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 160.847+/-0.027 χ^2/NDF:9475267.7/35

Out: 143.812+/-0.025 χ^2/NDF:12184331.9/37

All: 151.872+/-0.018 χ^2/NDF: 21871249.6/73

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.1/19

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/17

Left In: 0.000+/-0.000 χ^2/NDF:26.1/19

Left: 0.000+/-0.000 χ^2/NDF: 38.6/39

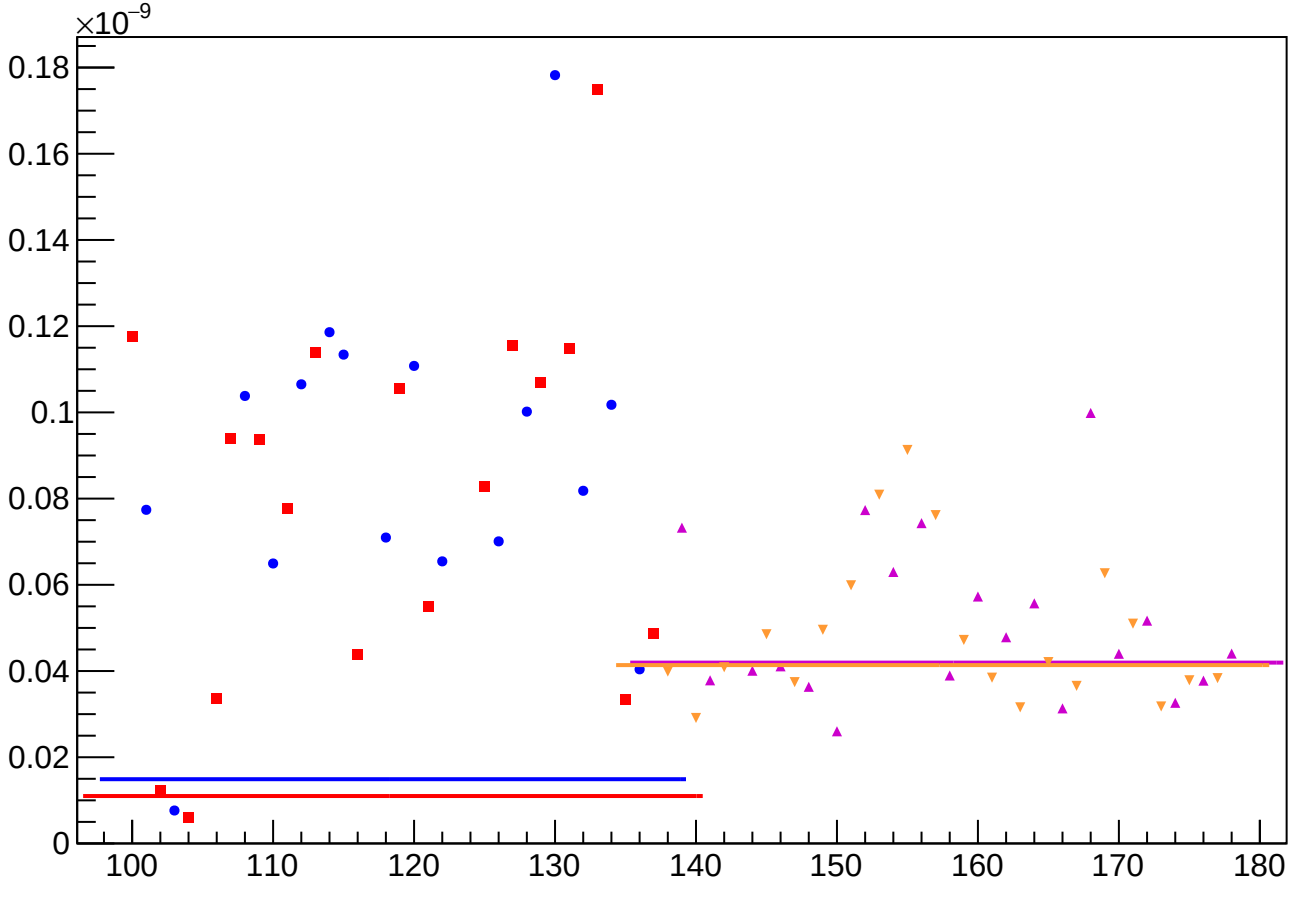
Right: 0.000+/-0.000 χ^2/NDF: 36.7/33

In: 0.000+/-0.000 χ^2/NDF:40.1/35

Out: 0.000+/-0.000 χ^2/NDF:34.9/37

All: 0.000+/-0.000 χ^2/NDF: 75.4/73

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5893030.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1637922.8/19

Right Out: 0.000+/-0.000 χ^2/NDF: 5866969.2/17

Left In: 0.000+/-0.000 χ^2/NDF:2010107.0/19

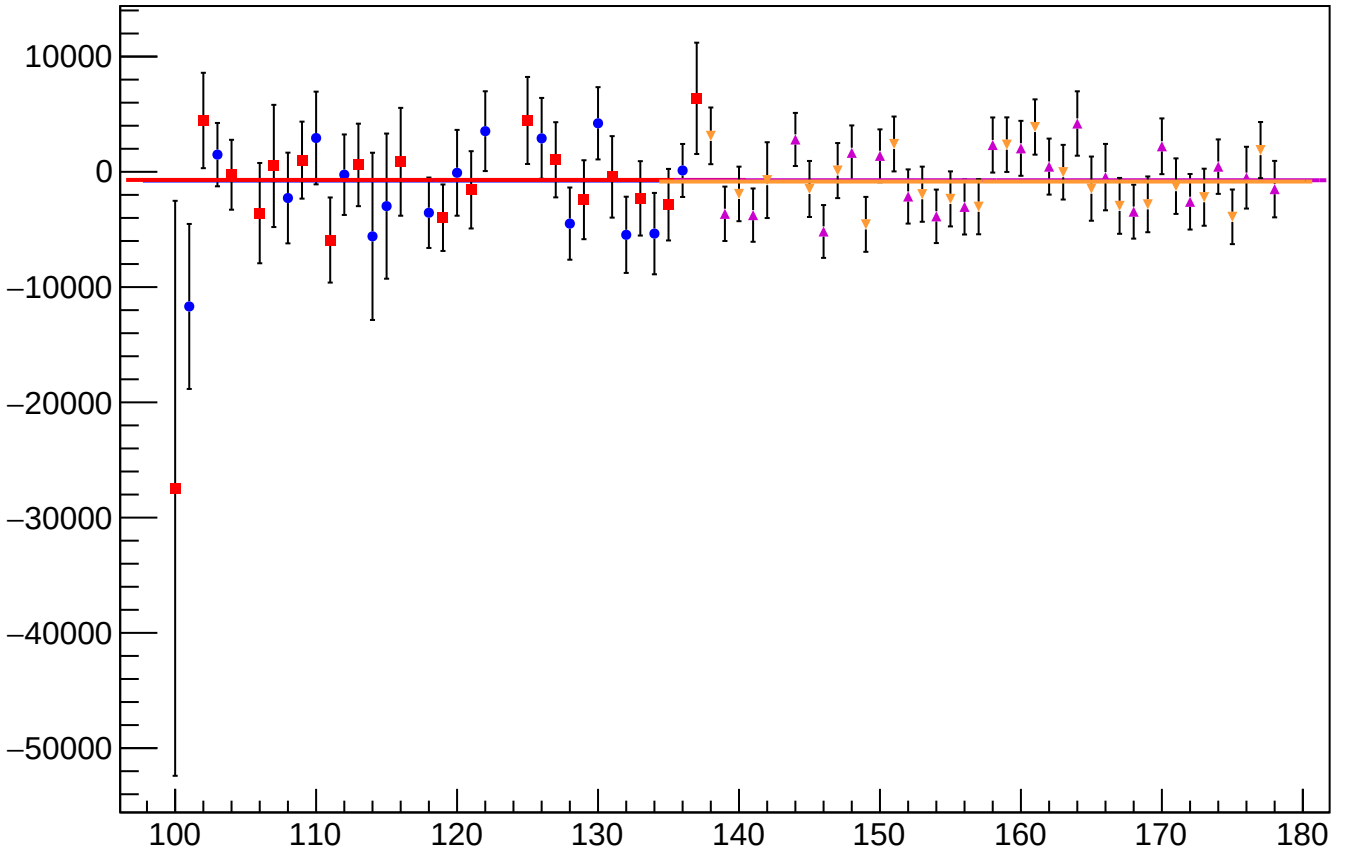
Left: 0.000+/-0.000 χ^2/NDF: 3649891.2/39

Right: 0.000+/-0.000 χ^2/NDF: 11880361.2/33

In: 0.000+/-0.000 χ^2/NDF:12340822.4/35

Out: 0.000+/-0.000 χ^2/NDF:14100877.8/37

All: 0.000+/-0.000 χ^2/NDF: 26945735.5/73



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: -729.289+/-539.717 χ^2/NDF:24.5/19

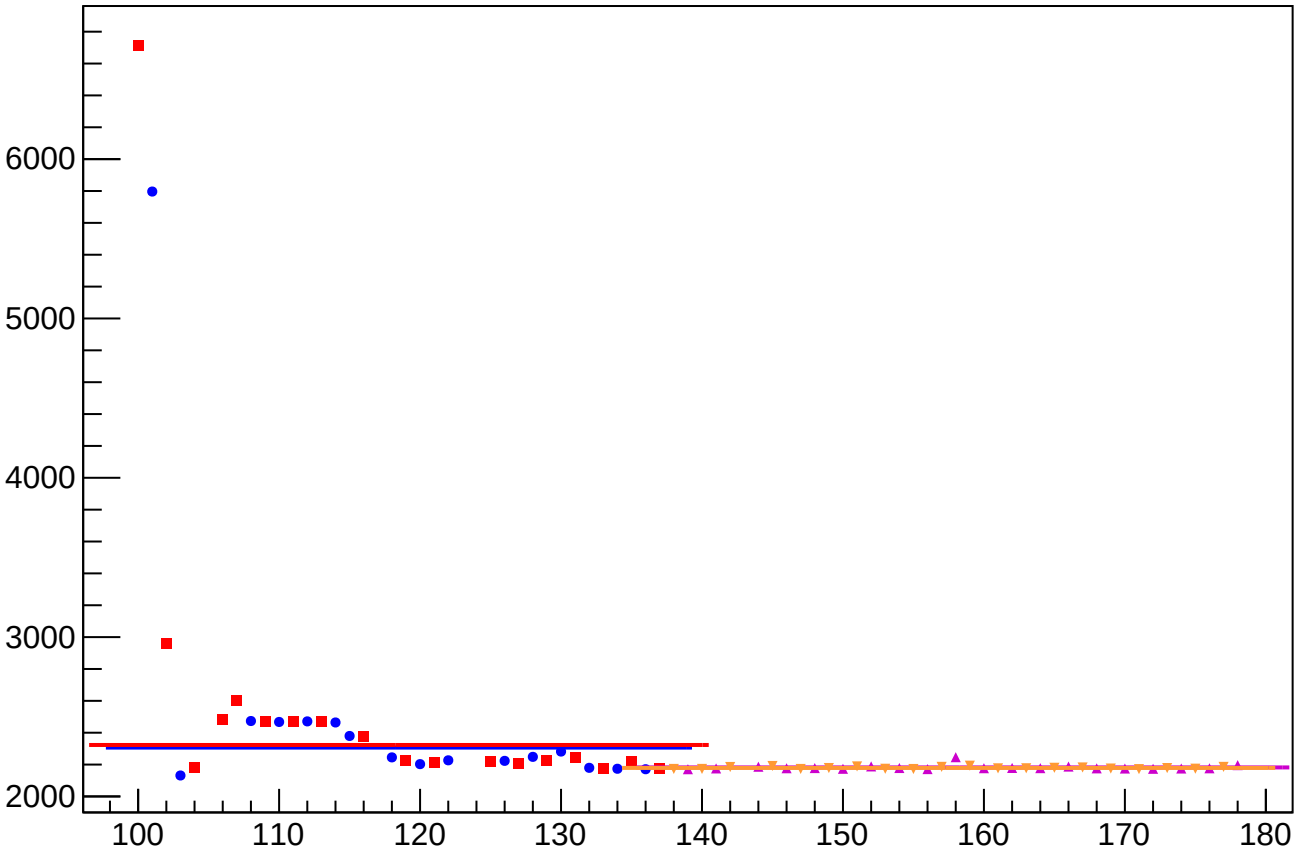
Left: -785.228+/-384.200 χ^2/NDF: 43.8/39

Right: -728.125+/-615.637 χ^2/NDF: 28.2/33

In: -736.207+/-459.019 χ^2/NDF:40.3/35

Out: -802.798+/-462.894 χ^2/NDF:31.7/37

All: -769.222+/-325.937 χ^2/NDF: 72.1/73



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: 2182.058+/-0.382 χ^2/NDF:1779.2/19

Left: 2180.564+/-0.272 χ^2/NDF: 2106.8/39

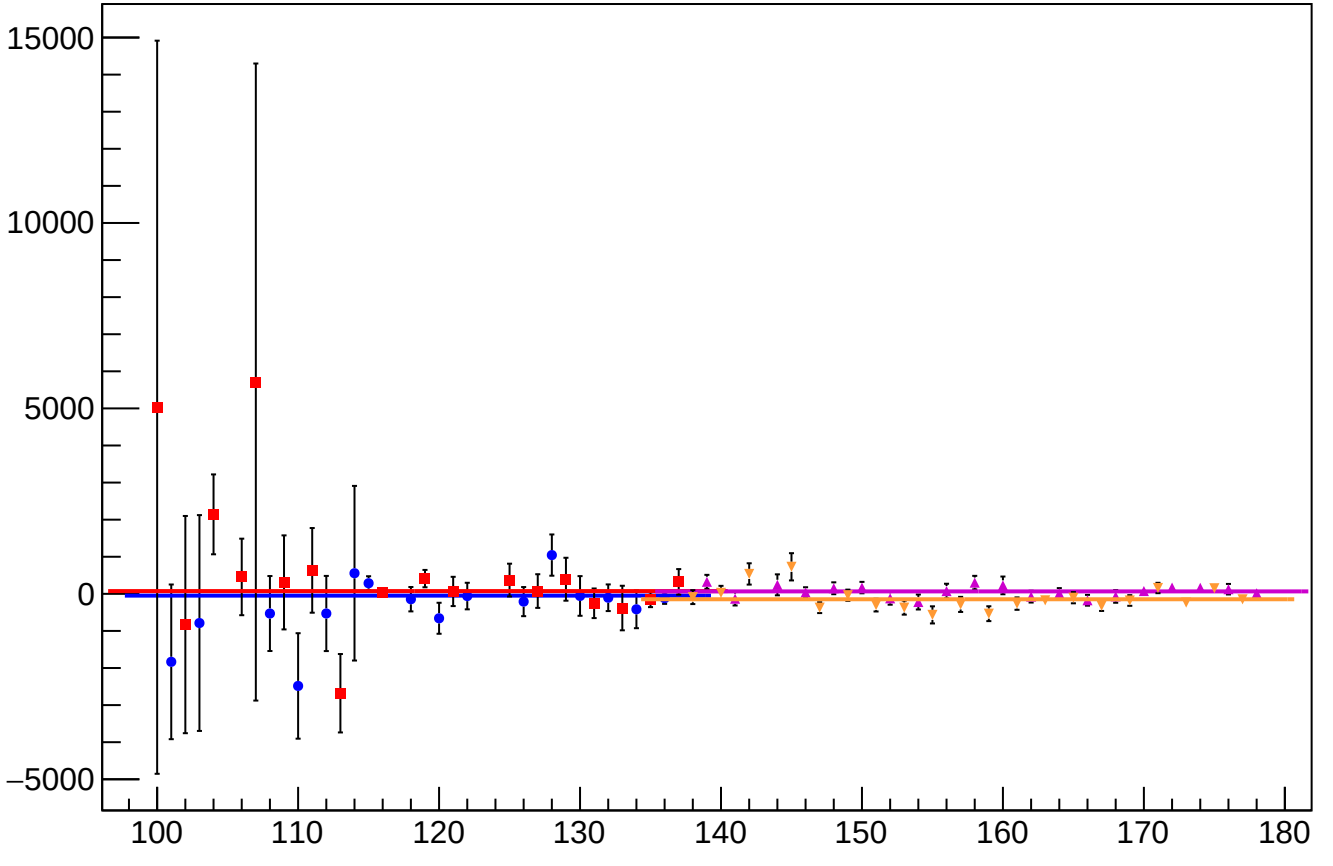
Right: 2314.864+/-0.435 χ^2/NDF: 666290.7/33

In: 2216.528+/-0.325 χ^2/NDF:545415.3/35

Out: 2219.917+/-0.327 χ^2/NDF:191427.7/37

All: 2218.208+/-0.230 χ^2/NDF: 736897.1/73

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: 65.897+/-34.210 χ^2/NDF:15.9/19

Left: -36.335+/-24.615 χ^2/NDF: 73.8/39

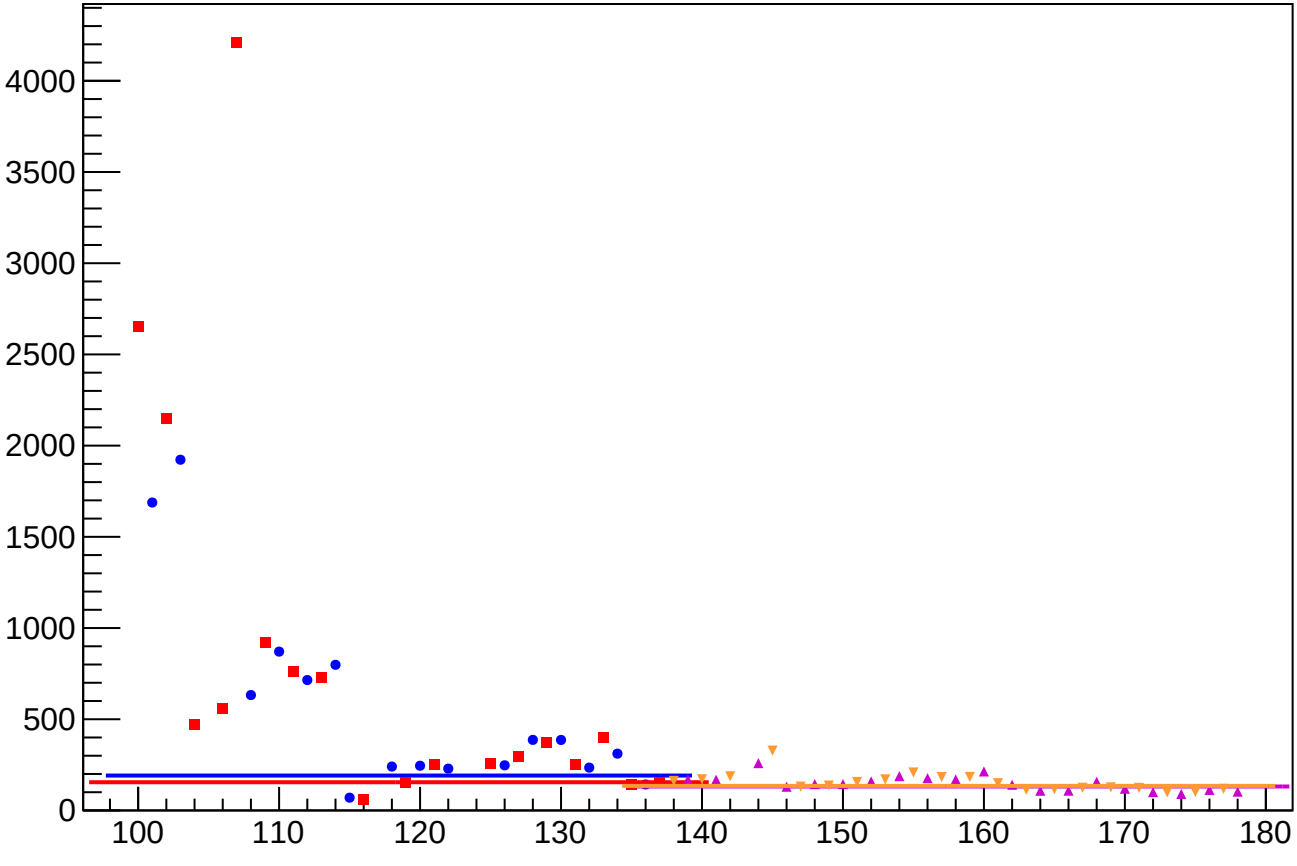
Right: 19.134+/-61.048 χ^2/NDF: 33.0/33

In: 51.779+/-32.018 χ^2/NDF:31.6/35

Out: -111.673+/-32.559 χ^2/NDF:63.1/37

All: -28.578+/-22.829 χ^2/NDF: 107.5/73

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 191.381+/-0.064 χ^2/NDF: 5064747.7/15

Left Out: 134.713+/-0.025 χ^2/NDF:1802170.7/19

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

Left In: 131.379+/-0.024 χ^2/NDF:2038219.5/19

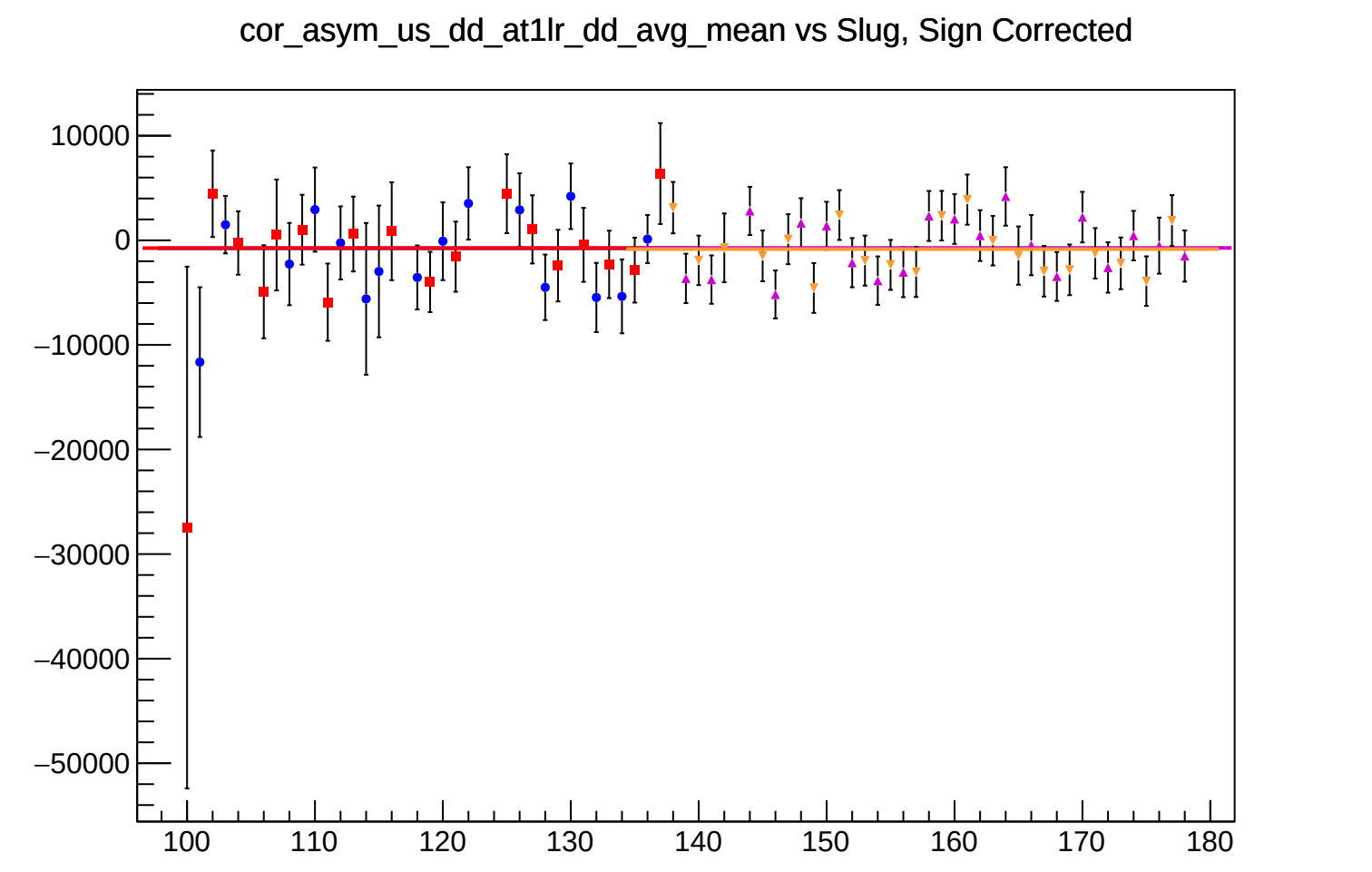
Left: 132.987+/-0.017 χ^2/NDF: 3849552.5/39

Right: 171.226+/-0.043 χ^2/NDF: 11398031.5/33

In: 138.821+/-0.023 χ^2/NDF:7866073.5/35

Out: 137.831+/-0.023 χ^2/NDF:8055556.6/37

All: 138.334+/-0.016 χ^2/NDF: 15922569.5/73



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: -729.273+/-539.717 χ^2/NDF:24.5/19

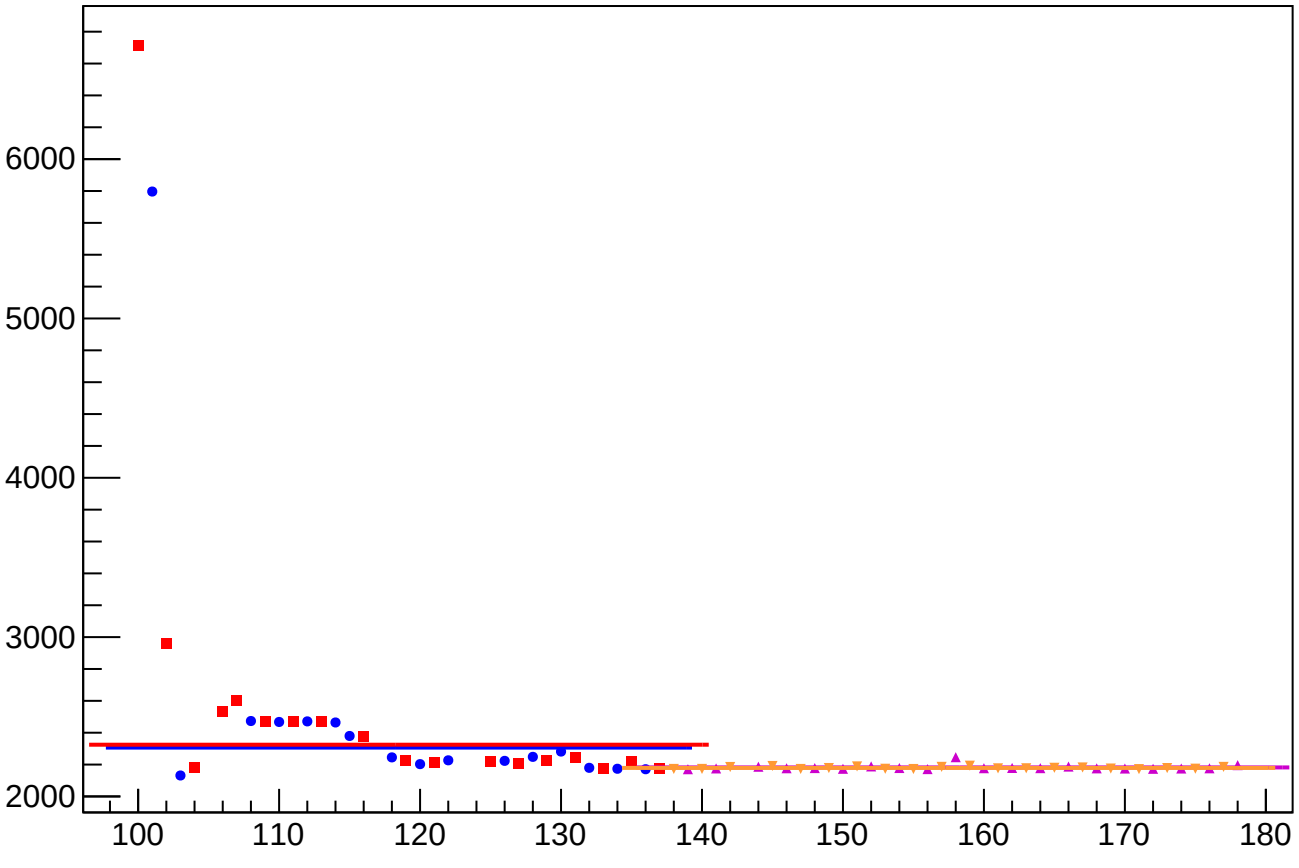
Left: -785.218+/-384.200 χ^2/NDF: 43.8/39

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -735.927+/-459.019 χ^2/NDF:40.3/35

Out: -816.206+/-463.003 χ^2/NDF:32.2/37

All: -775.720+/-325.975 χ^2/NDF: 72.5/73



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: 2182.058+/-0.382 χ^2/NDF:1779.2/19

Left: 2180.564+/-0.272 χ^2/NDF: 2106.8/39

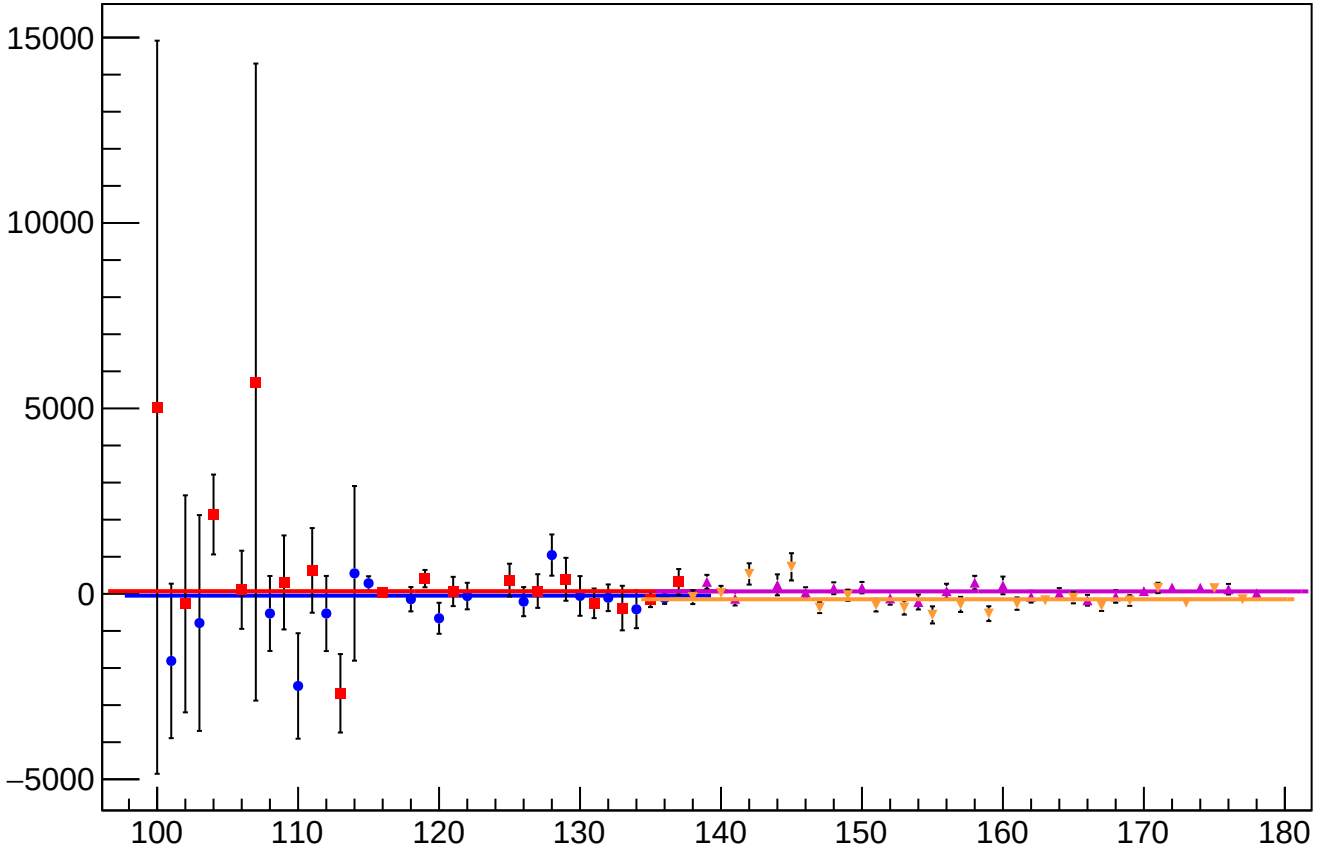
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2216.528+/-0.325 χ^2/NDF:545415.7/35

Out: 2220.344+/-0.327 χ^2/NDF:194091.8/37

All: 2218.419+/-0.230 χ^2/NDF: 739575.9/73

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: 65.836+/-34.213 χ^2/NDF:15.9/19

Left: -36.365+/-24.616 χ^2/NDF: 73.8/39

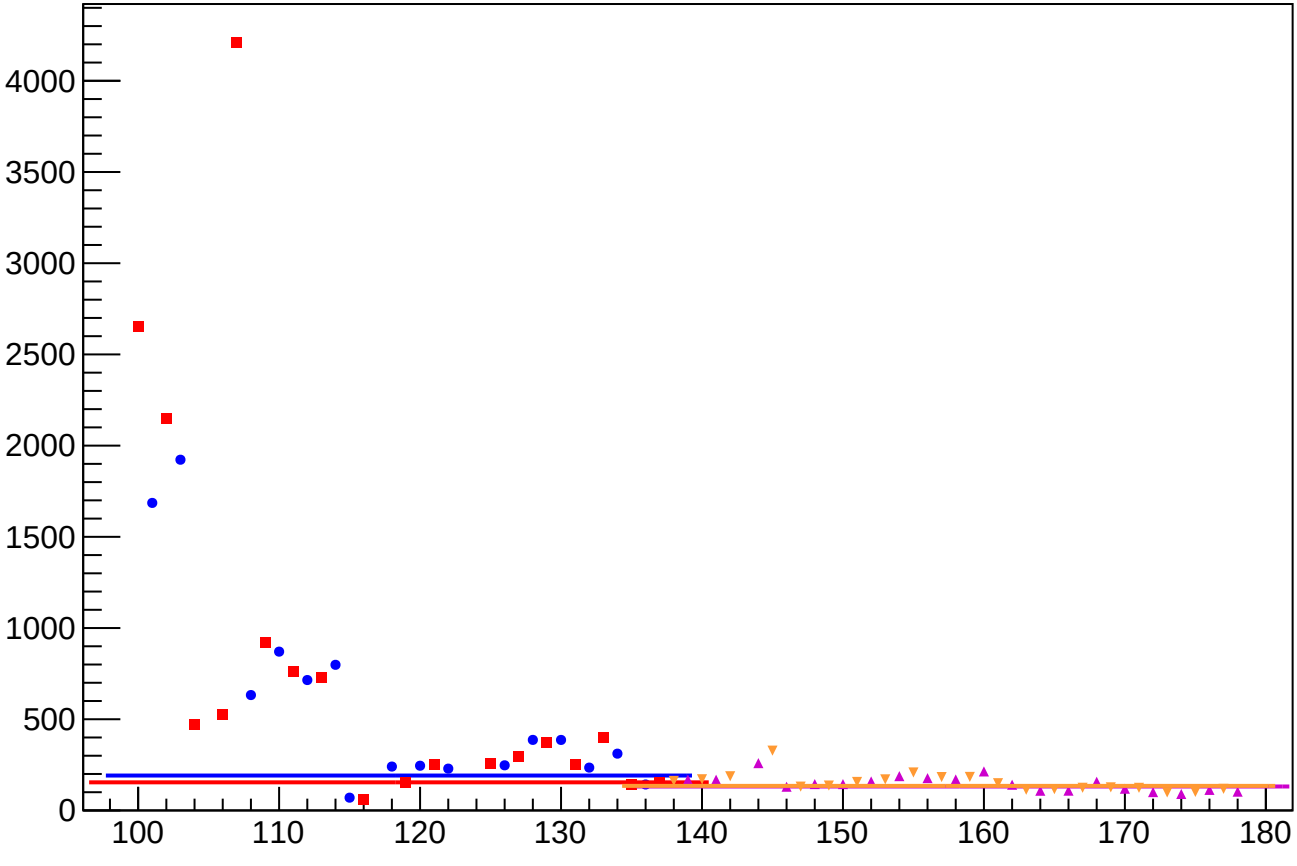
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 51.721+/-32.021 χ^2/NDF:31.6/35

Out: -111.926+/-32.556 χ^2/NDF:62.7/37

All: -28.747+/-22.829 χ^2/NDF: 107.2/73

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 134.712+/-0.025 χ^2/NDF:1802134.0/19

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 131.389+/-0.024 χ^2/NDF:2038396.0/19

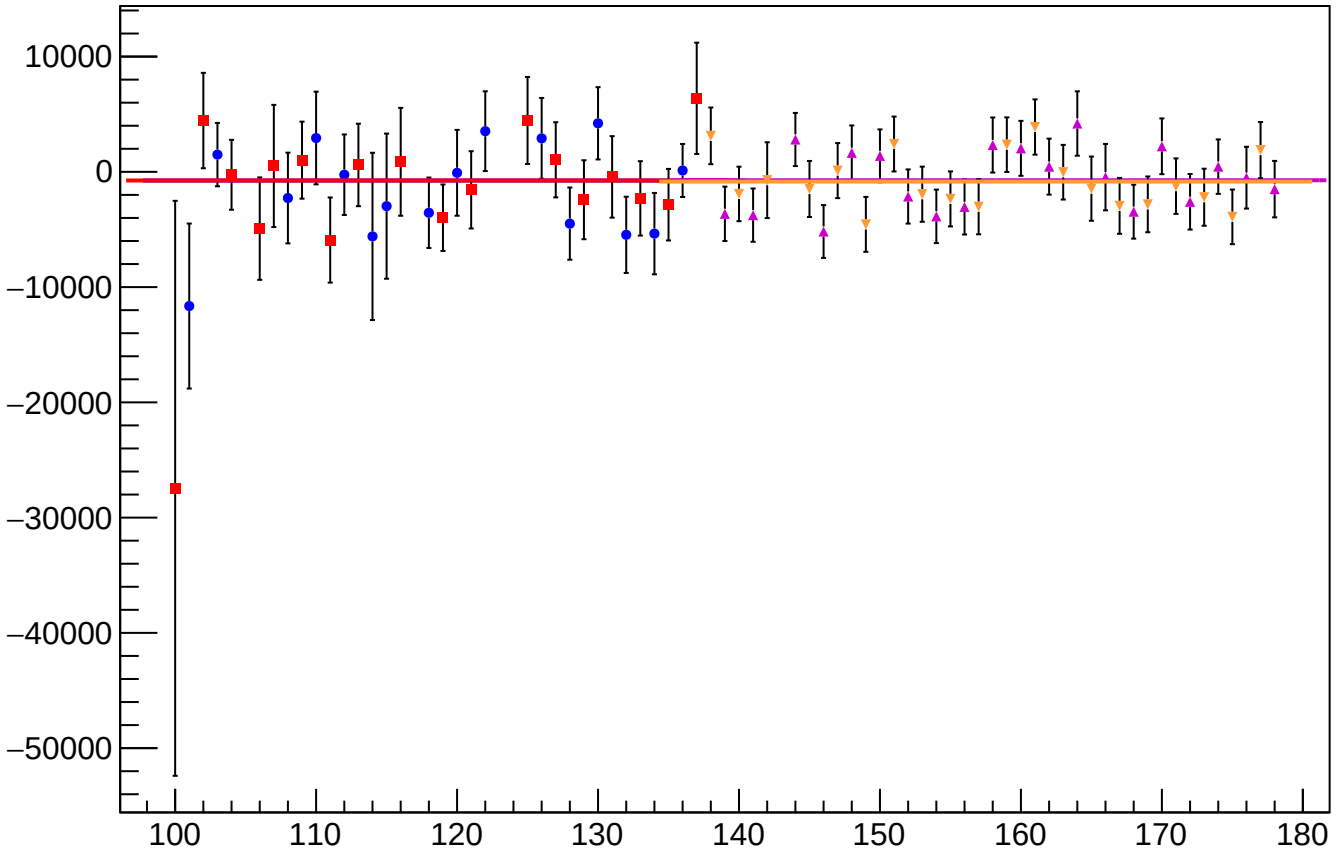
Left: 132.992+/-0.017 χ^2/NDF: 3849632.3/39

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 138.833+/-0.023 χ^2/NDF:7865363.9/35

Out: 137.748+/-0.023 χ^2/NDF:8004582.6/37

All: 138.299+/-0.016 χ^2/NDF: 15871076.1/73



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: -729.273+/-539.717 χ^2/NDF:24.5/19

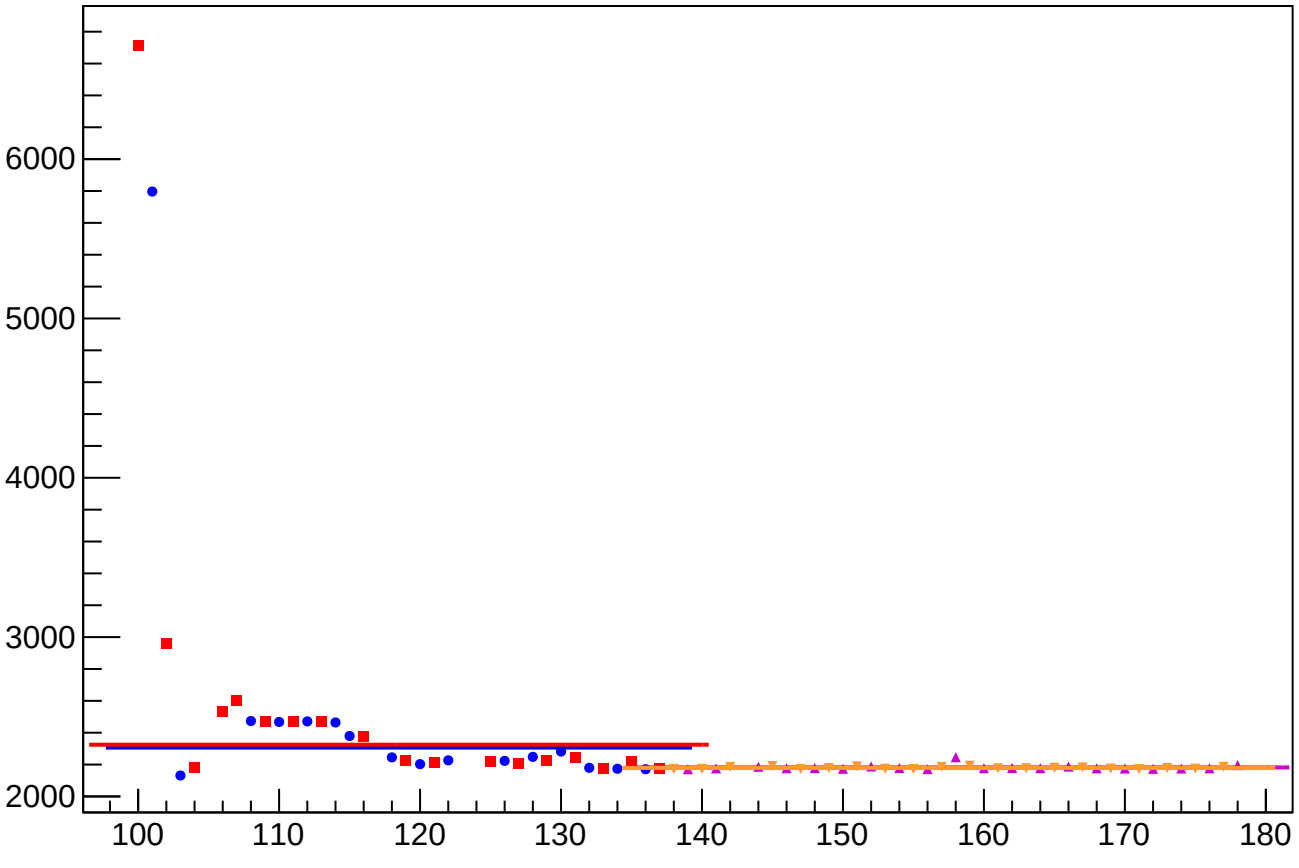
Left: -785.218+/-384.200 χ^2/NDF: 43.8/39

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -735.927+/-459.019 χ^2/NDF:40.3/35

Out: -816.206+/-463.003 χ^2/NDF:32.2/37

All: -775.720+/-325.975 χ^2/NDF: 72.5/73



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: 2182.058+/-0.382 χ^2/NDF:1779.2/19

Left: 2180.564+/-0.272 χ^2/NDF: 2106.8/39

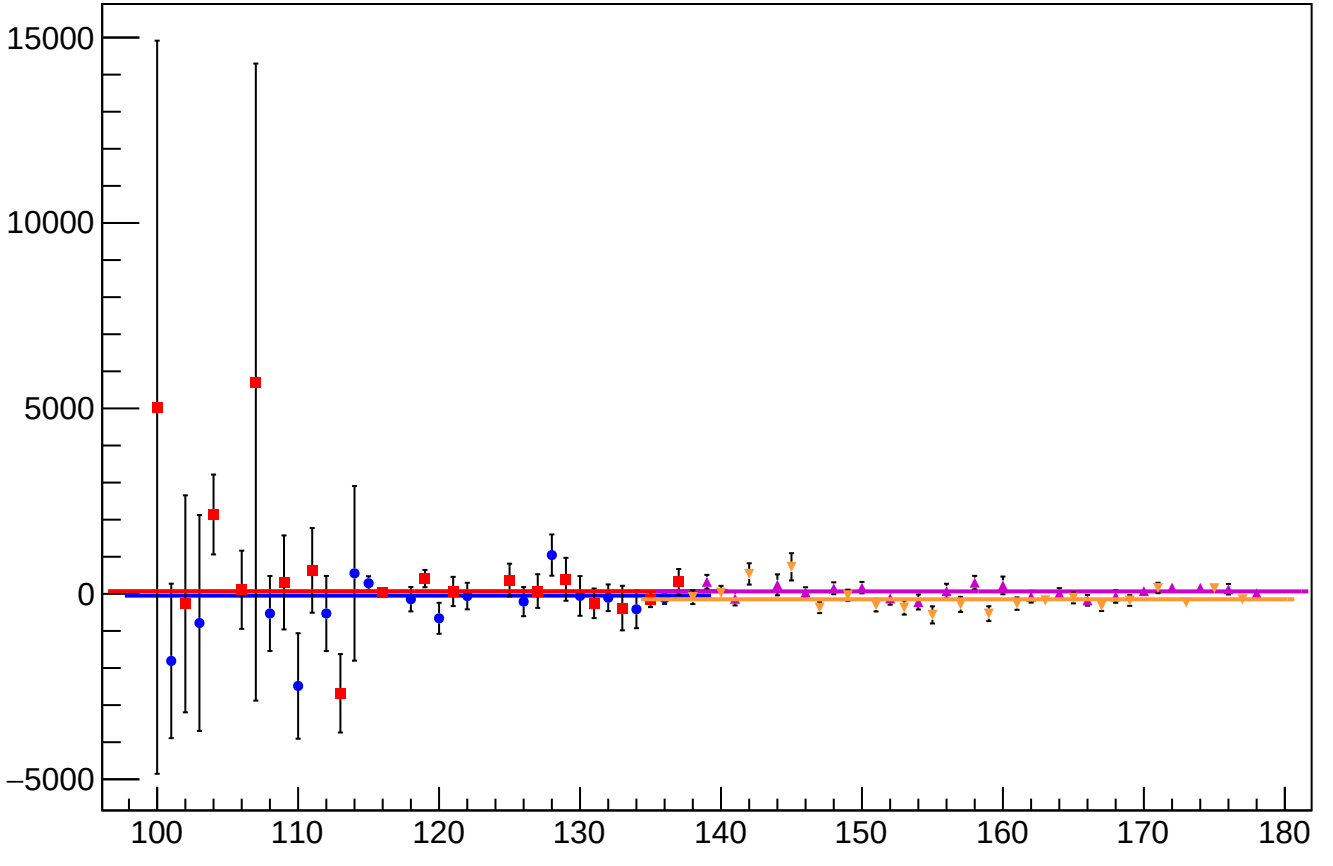
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2216.528+/-0.325 χ^2/NDF:545415.7/35

Out: 2220.344+/-0.327 χ^2/NDF:194091.8/37

All: 2218.419+/-0.230 χ^2/NDF: 739575.9/73

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: 65.836+/-34.213 χ^2/NDF:15.9/19

Left: -36.365+/-24.616 χ^2/NDF: 73.8/39

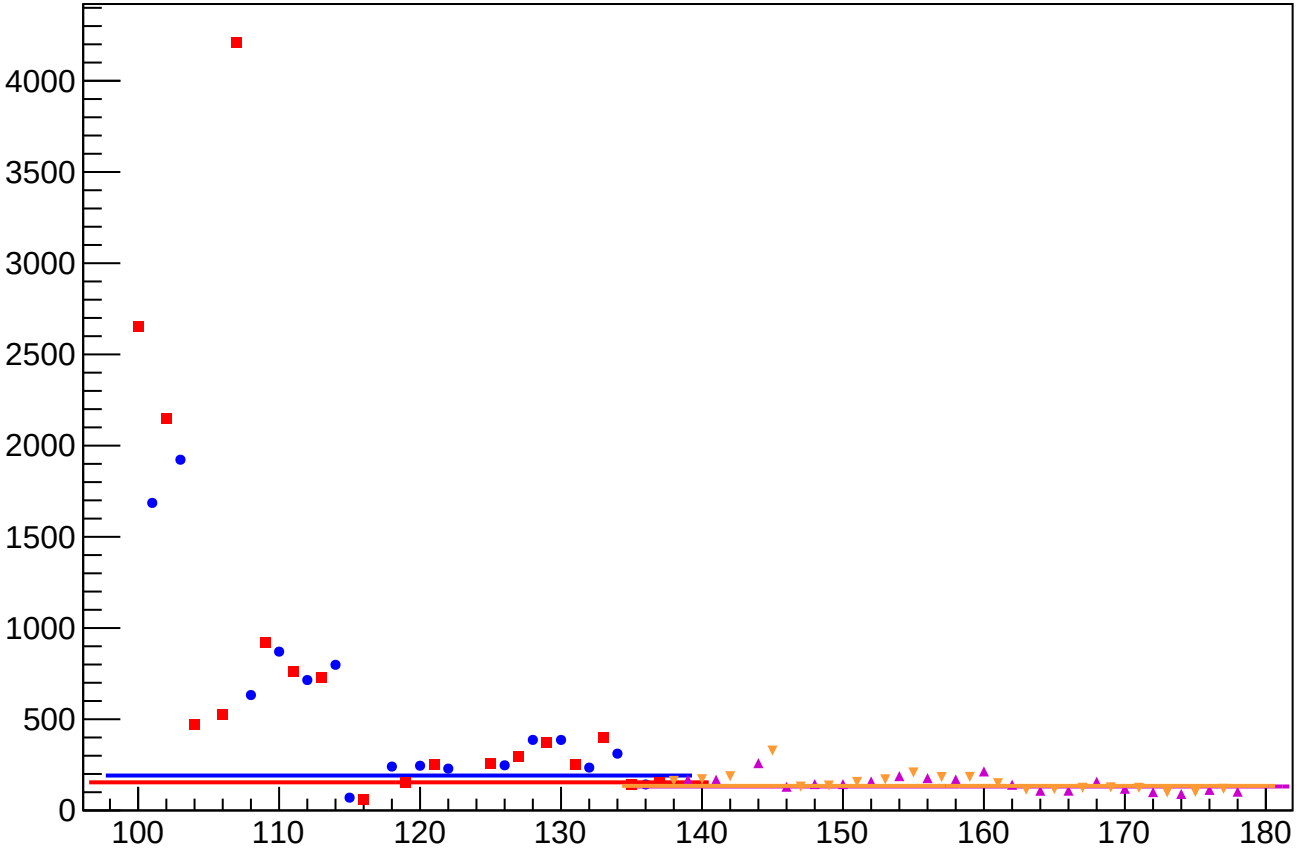
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 51.721+/-32.021 χ^2/NDF:31.6/35

Out: -111.926+/-32.556 χ^2/NDF:62.7/37

All: -28.747+/-22.829 χ^2/NDF: 107.2/73

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: 131.389+/-0.024 χ^2/NDF:2038396.0/19

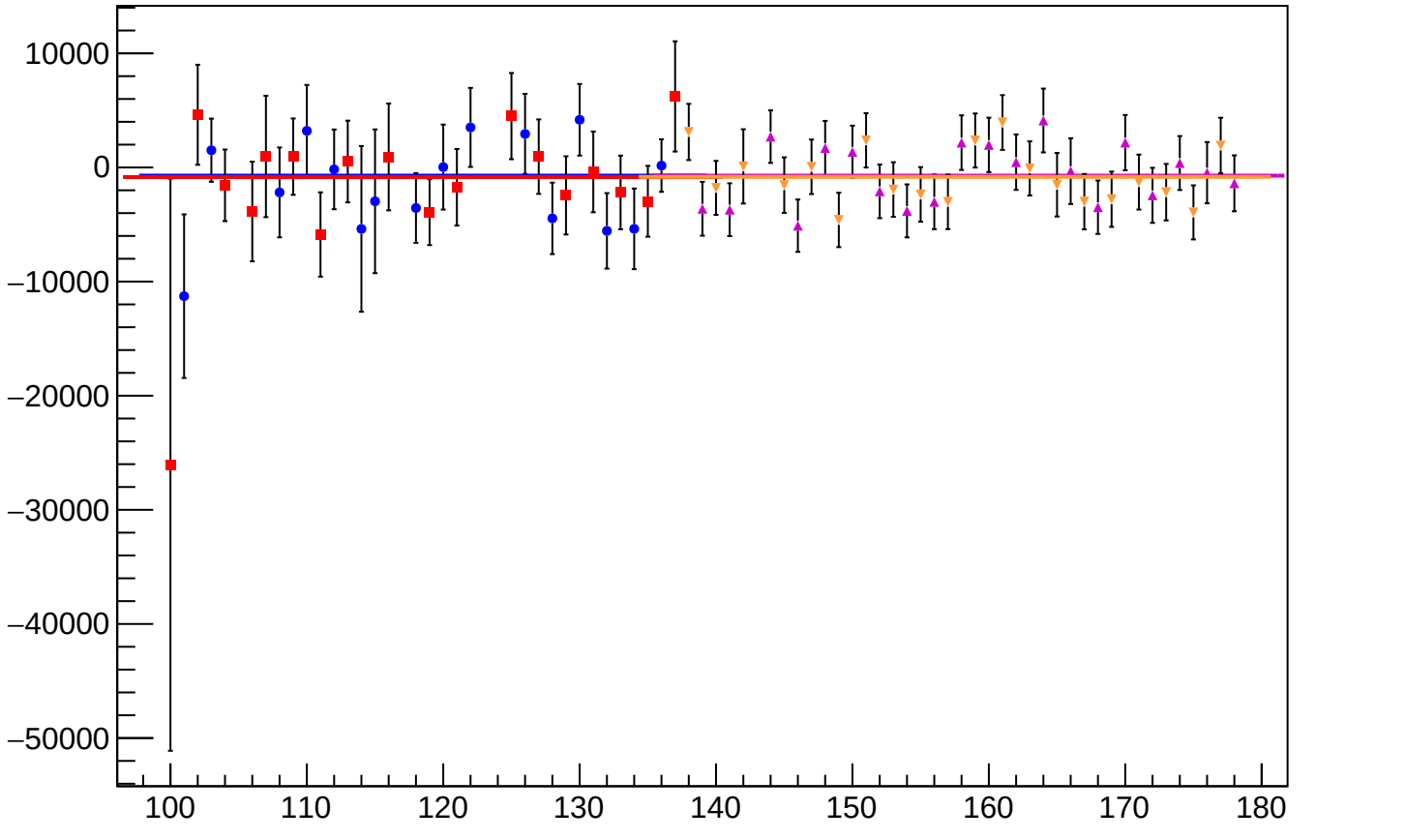
Left: 132.992+/-0.017 χ^2/NDF: 3849632.3/39

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 138.833+/-0.023 χ^2/NDF:7865363.9/35

Out: 137.748+/-0.023 χ^2/NDF:8004582.6/37

All: 138.299+/-0.016 χ^2/NDF: 15871076.1/73



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: -718.575+/-539.917 χ^2/NDF:23.5/19

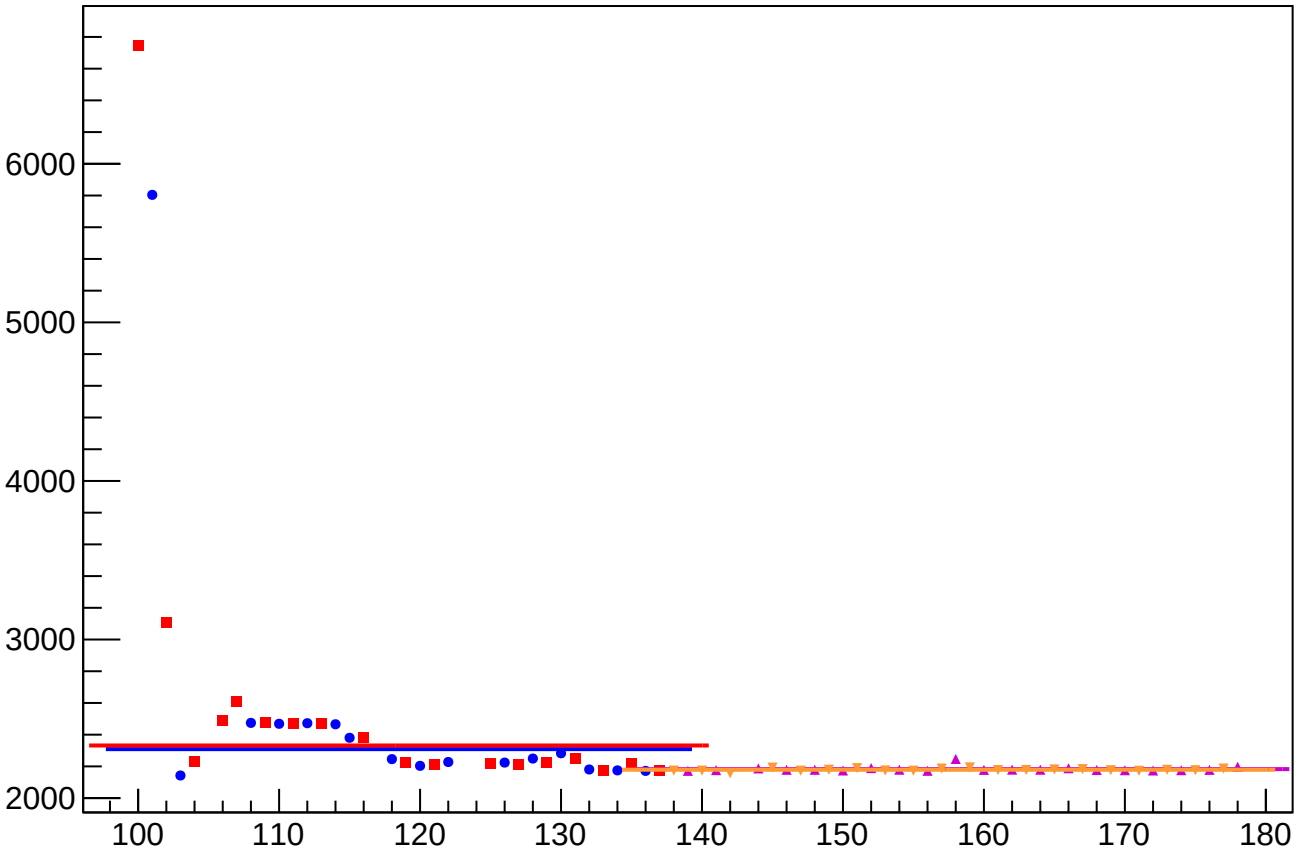
Left: -771.230+/-384.283 χ^2/NDF: 43.1/39

Right: -779.643+/-617.702 χ^2/NDF: 28.0/33

In: -718.177+/-459.272 χ^2/NDF:39.4/35

Out: -830.041+/-463.656 χ^2/NDF:31.7/37

All: -773.578+/-326.293 χ^2/NDF: 71.1/73



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: 2182.868+/-0.382 χ^2/NDF:1774.2/19

Left: 2180.956+/-0.272 χ^2/NDF: 2216.2/39

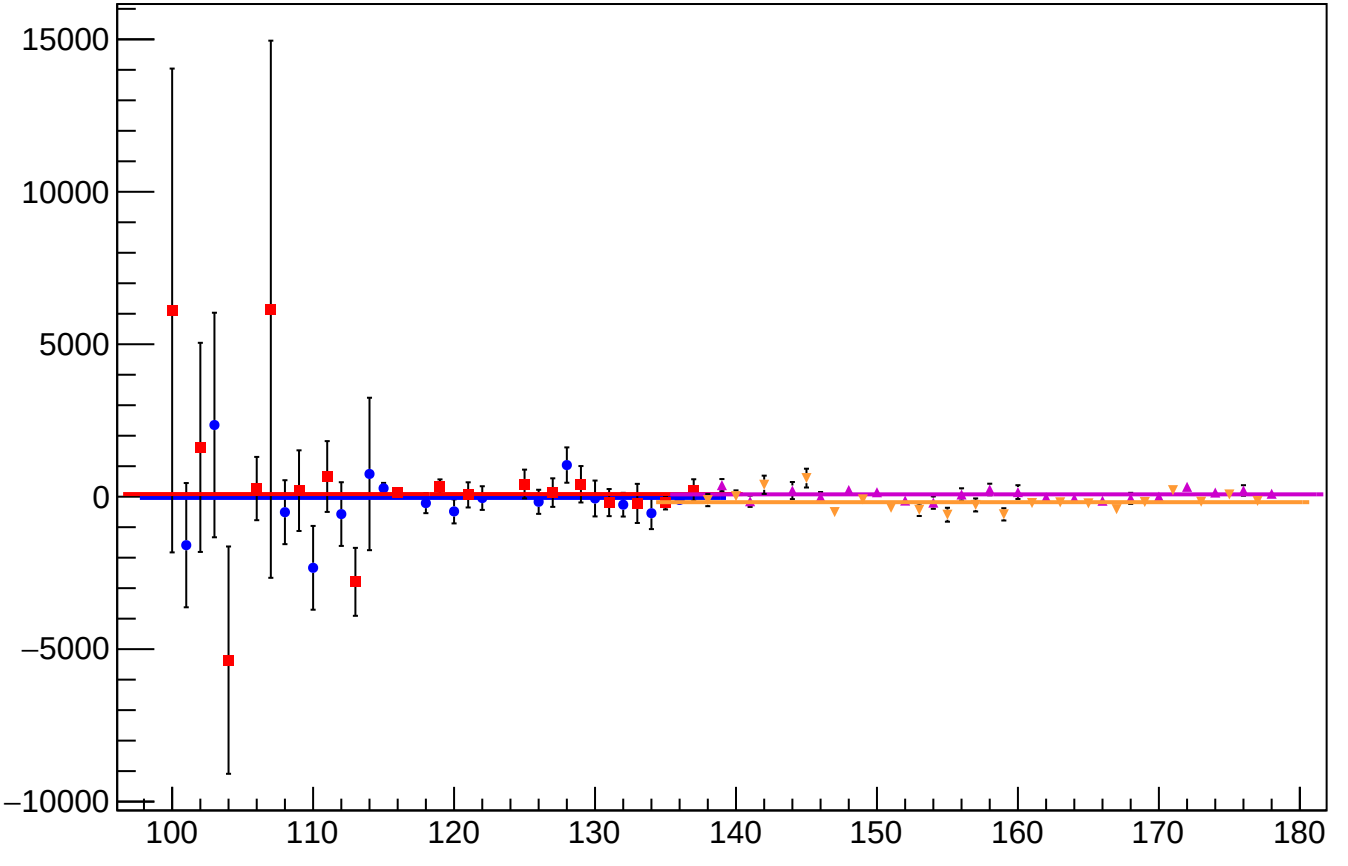
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2217.661+/-0.325 χ^2/NDF:545563.8/35

Out: 2222.052+/-0.328 χ^2/NDF:211696.9/37

All: 2219.836+/-0.231 χ^2/NDF: 757351.3/73

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: 77.164+/-35.728 χ^2/NDF:18.5/19

Left: -47.649+/-25.624 χ^2/NDF: 83.2/39

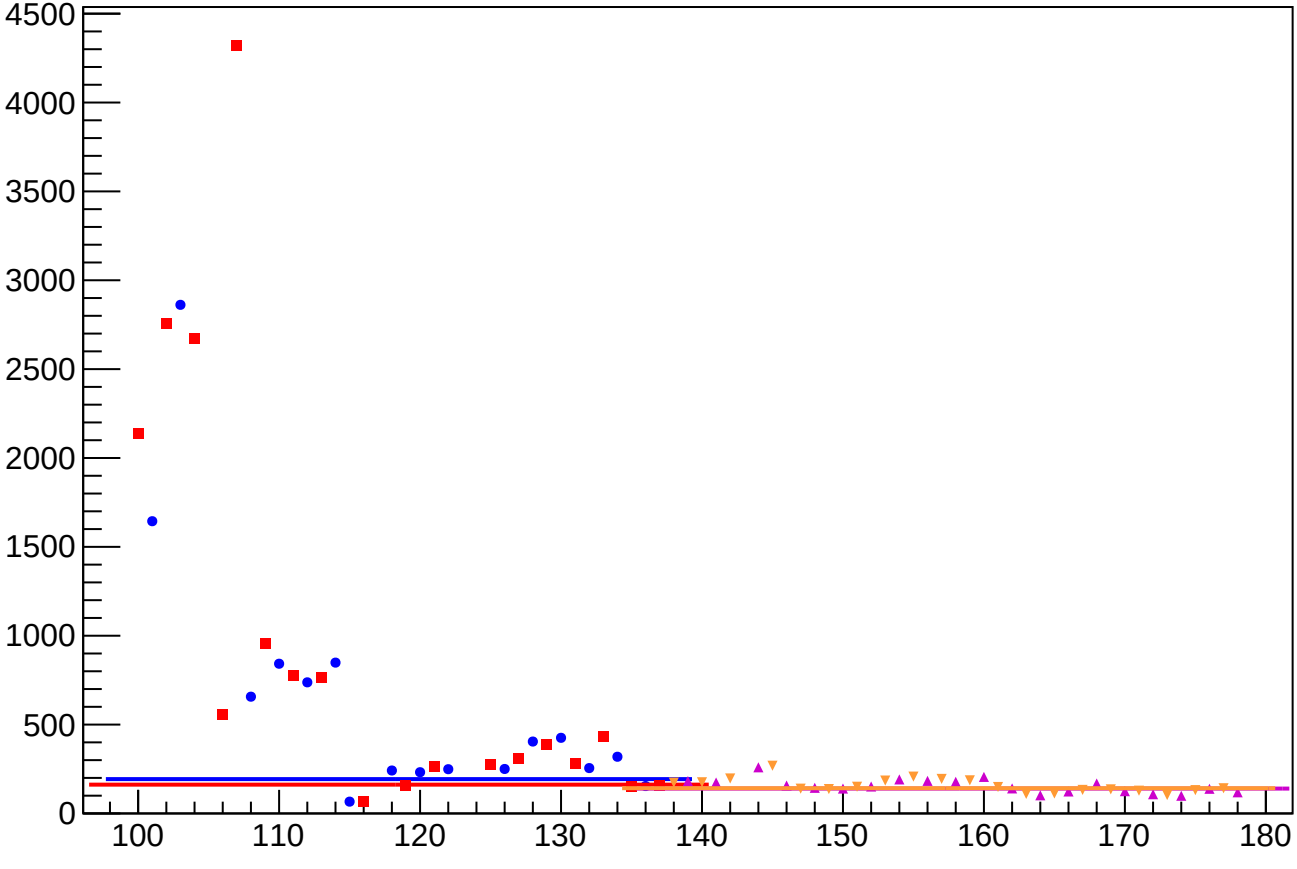
Right: 27.604+/-62.990 χ^2/NDF: 30.0/33

In: 61.912+/-33.324 χ^2/NDF:33.9/35

Out: -138.770+/-33.814 χ^2/NDF:62.7/37

All: -36.965+/-23.735 χ^2/NDF: 114.5/73

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: 139.941+/-0.025 χ^2/NDF:1747154.1/19

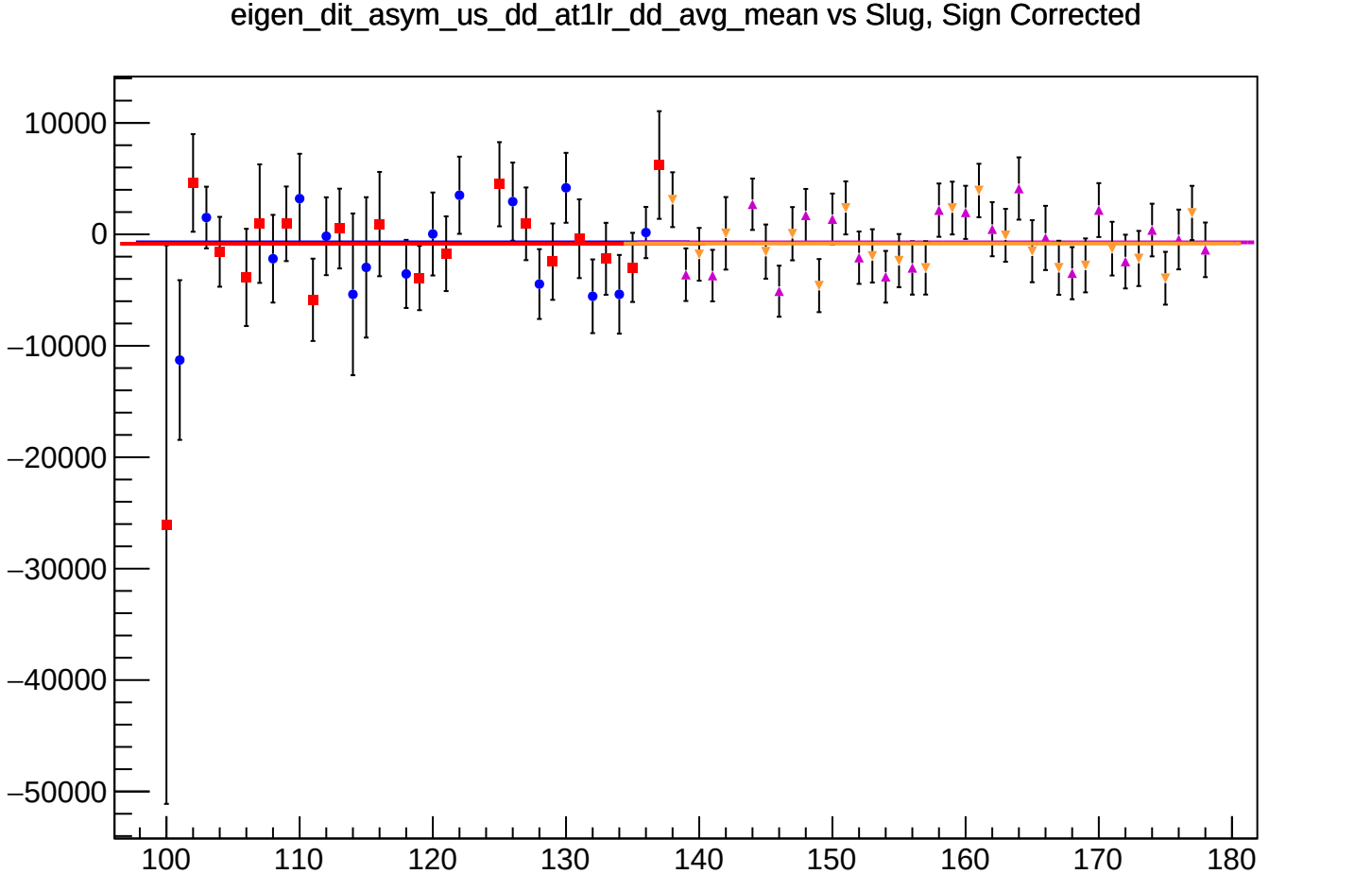
Left: 140.990+/-0.018 χ^2/NDF: 3227648.2/39

Right: 176.583+/-0.045 χ^2/NDF: 12809933.8/33

In: 146.874+/-0.024 χ^2/NDF:7944153.9/35

Out: 145.189+/-0.024 χ^2/NDF:8638833.5/37

All: 146.044+/-0.017 χ^2/NDF: 16585505.3/73



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: -718.574+/-539.917 χ^2/NDF:23.5/19

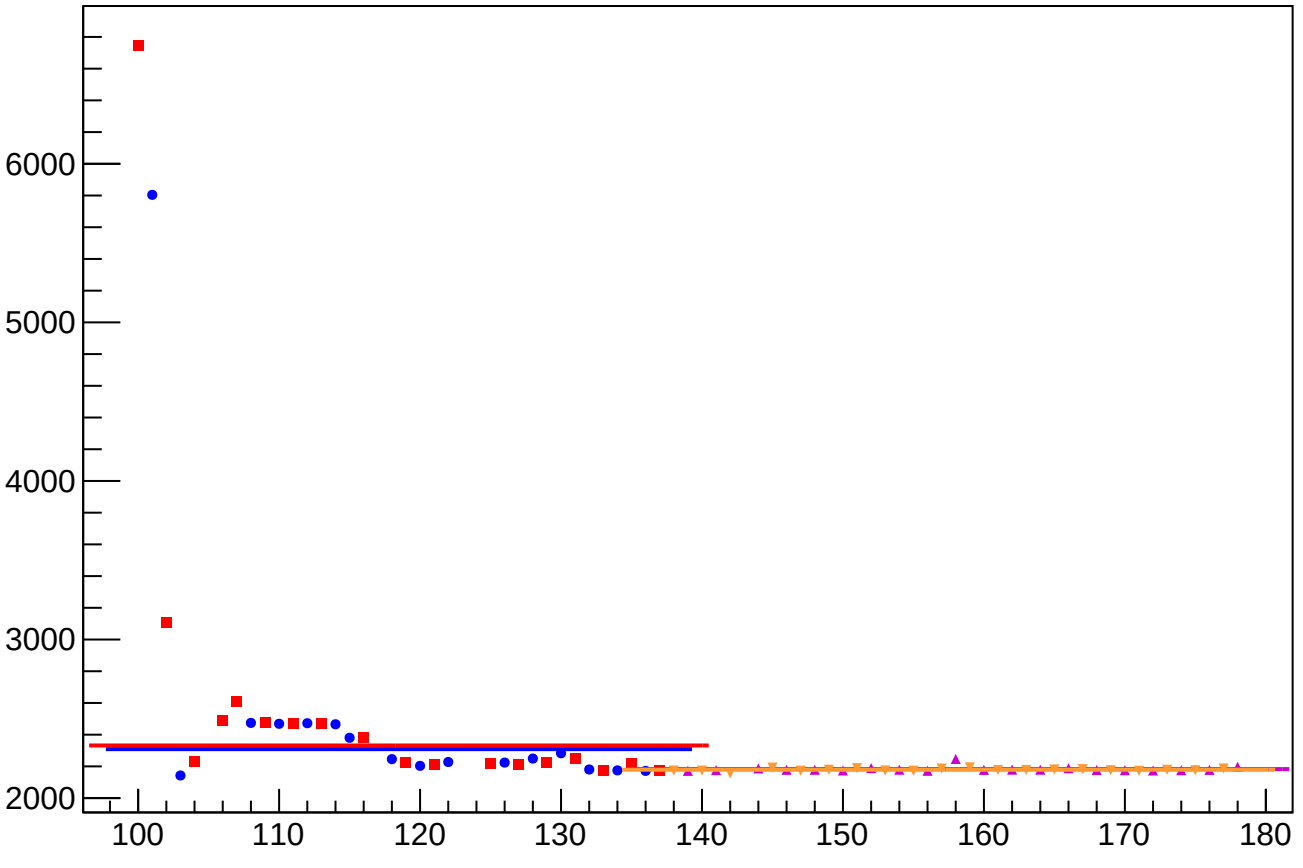
Left: -771.230+/-384.283 χ^2/NDF: 43.1/39

Right: -779.645+/-617.702 χ^2/NDF: 28.0/33

In: -718.177+/-459.272 χ^2/NDF:39.4/35

Out: -830.043+/-463.656 χ^2/NDF:31.7/37

All: -773.578+/-326.293 χ^2/NDF: 71.1/73



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: 2182.868+/-0.382 χ^2/NDF:1774.2/19

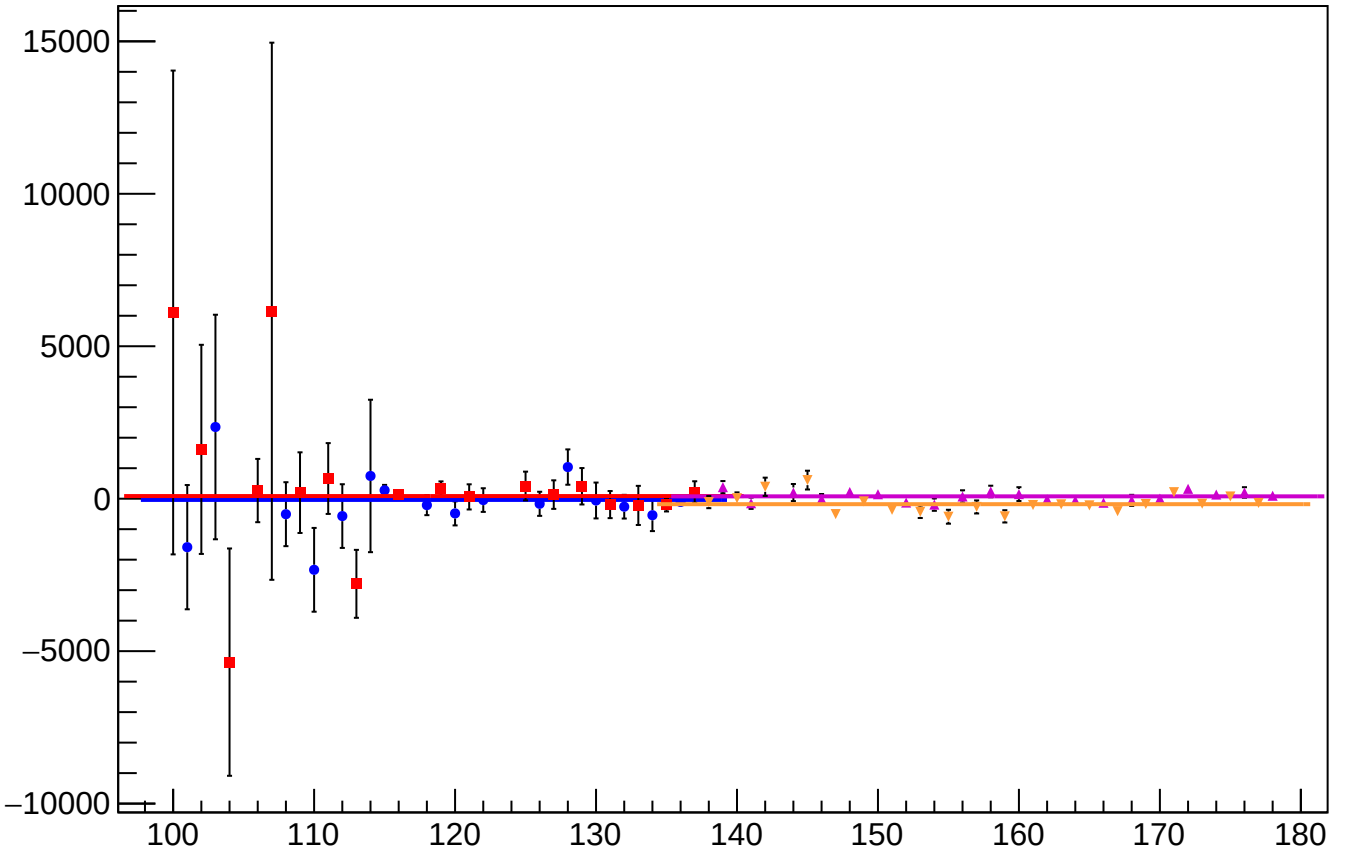
Left: 2180.956+/-0.272 χ^2/NDF: 2216.2/39

Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2217.661+/-0.325 χ^2/NDF:545563.8/35

Out: 2222.052+/-0.328 χ^2/NDF:211696.8/37

All: 2219.836+/-0.231 χ^2/NDF: 757351.2/73



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: 77.163+/-35.728 χ^2/NDF:18.5/19

Left: -47.650+/-25.624 χ^2/NDF: 83.2/39

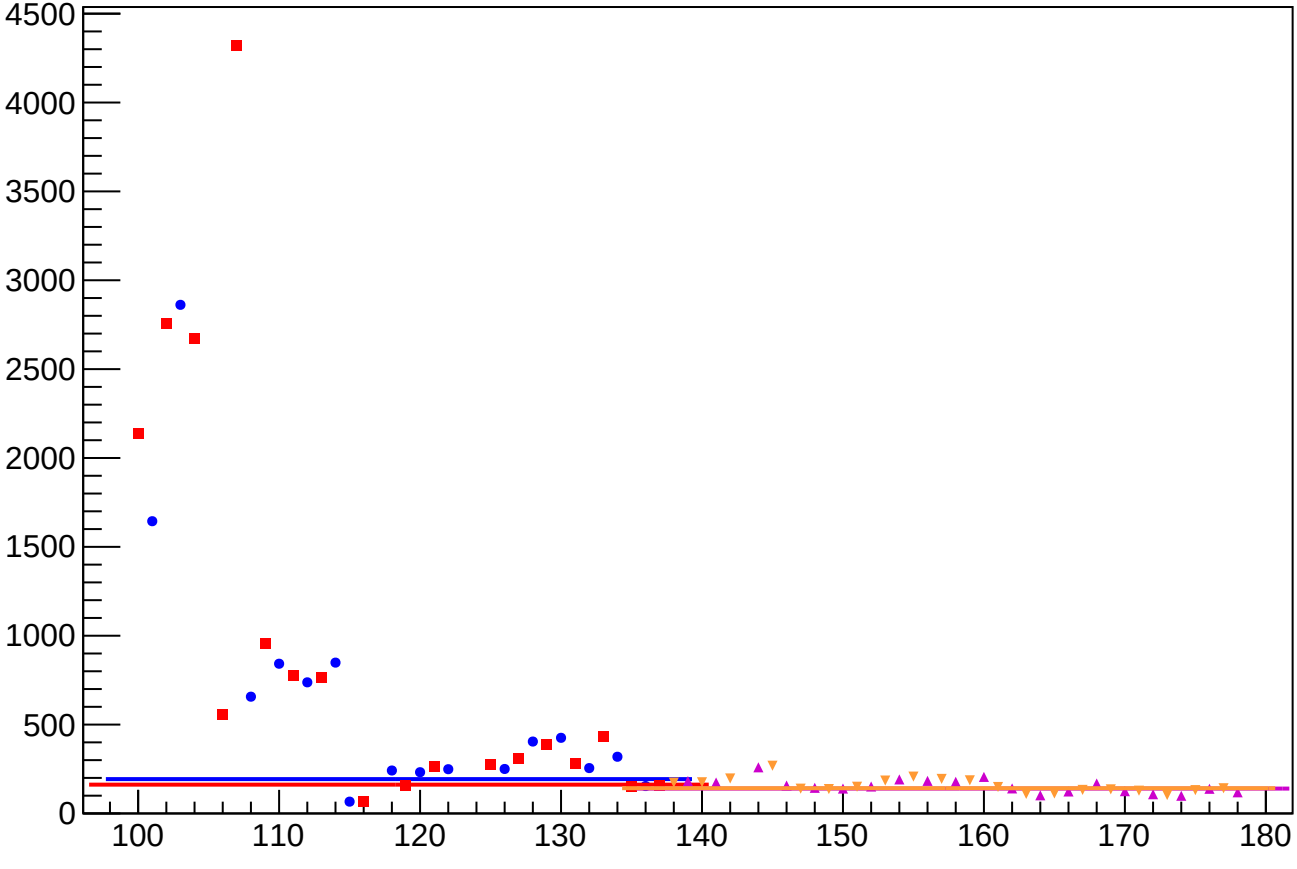
Right: 27.606+/-62.989 χ^2/NDF: 30.0/33

In: 61.911+/-33.324 χ^2/NDF:33.9/35

Out: -138.770+/-33.814 χ^2/NDF:62.7/37

All: -36.965+/-23.735 χ^2/NDF: 114.5/73

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: 139.941+/-0.025 χ^2/NDF:1747189.1/19

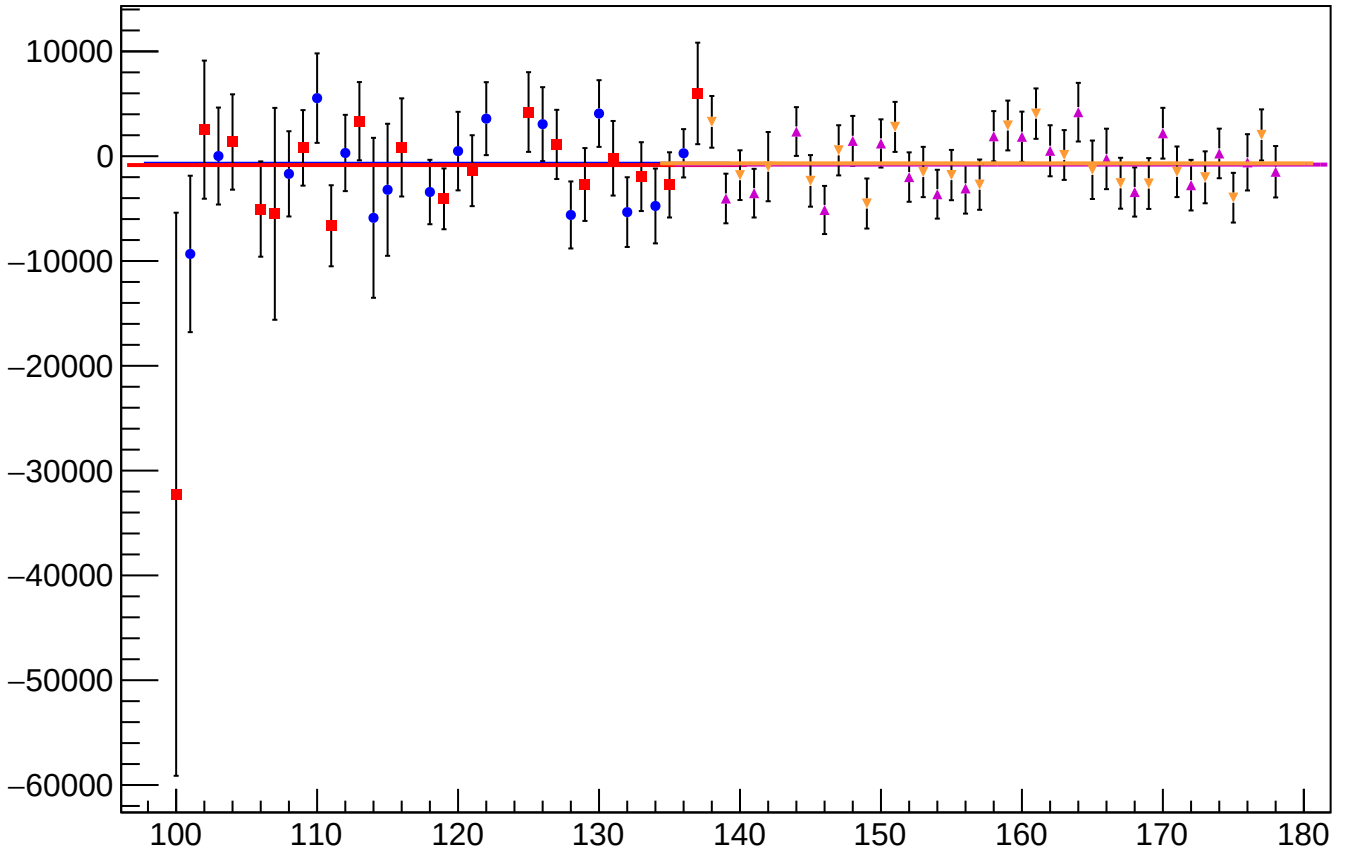
Left: 140.990+/-0.018 χ^2/NDF: 3227691.6/39

Right: 176.581+/-0.045 χ^2/NDF: 12810031.9/33

In: 146.874+/-0.024 χ^2/NDF:7944181.8/35

Out: 145.189+/-0.024 χ^2/NDF:8638879.8/37

All: 146.044+/-0.017 χ^2/NDF: 16585579.9/73



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: -801.491+/-541.353 χ^2/NDF:22.7/19

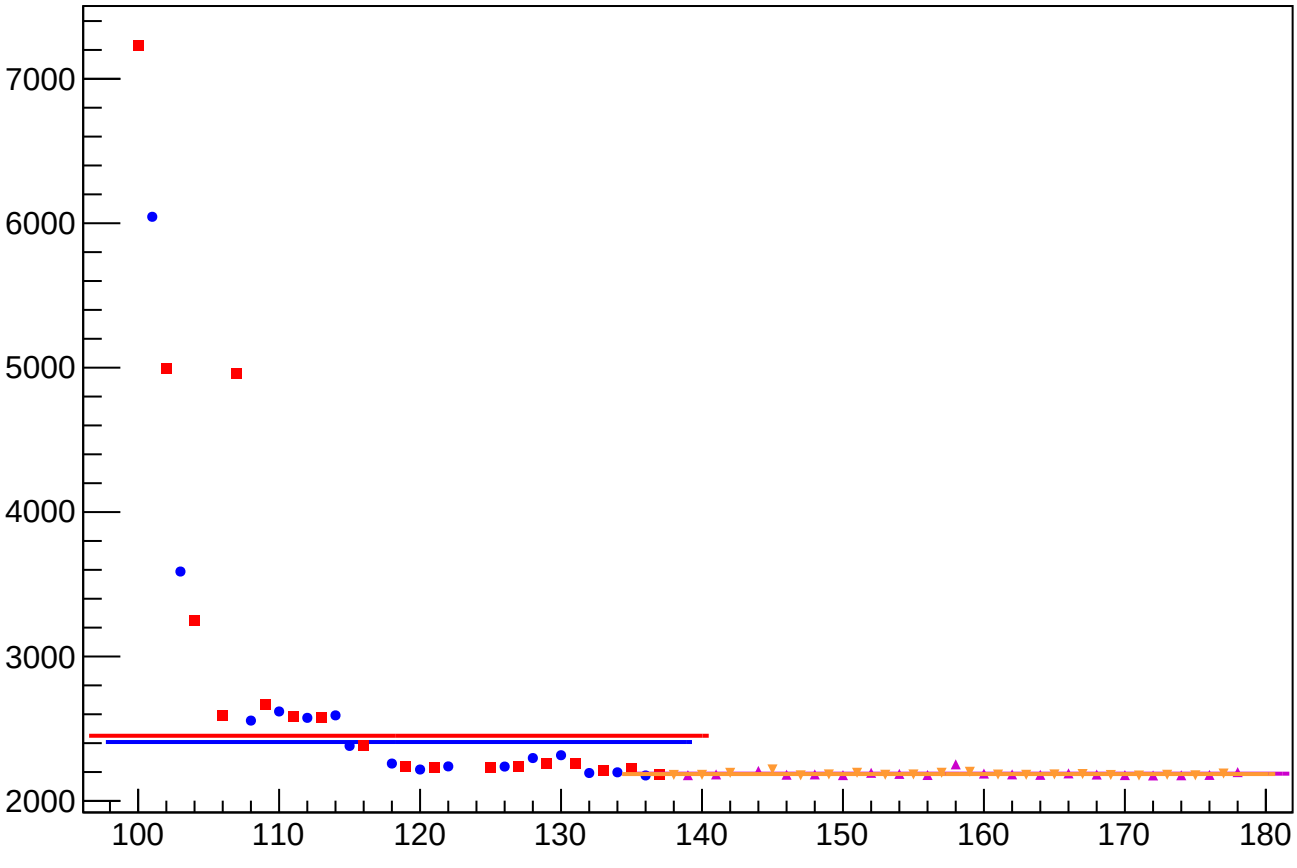
Left: -742.290+/-385.389 χ^2/NDF: 43.1/39

Right: -781.340+/-652.237 χ^2/NDF: 28.7/33

In: -780.291+/-466.077 χ^2/NDF:38.5/35

Out: -723.731+/-472.451 χ^2/NDF:33.4/37

All: -752.395+/-331.797 χ^2/NDF: 71.9/73



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: 2188.664+/-0.383 χ^2/NDF:1956.8/19

Left: 2187.305+/-0.273 χ^2/NDF: 2642.3/39

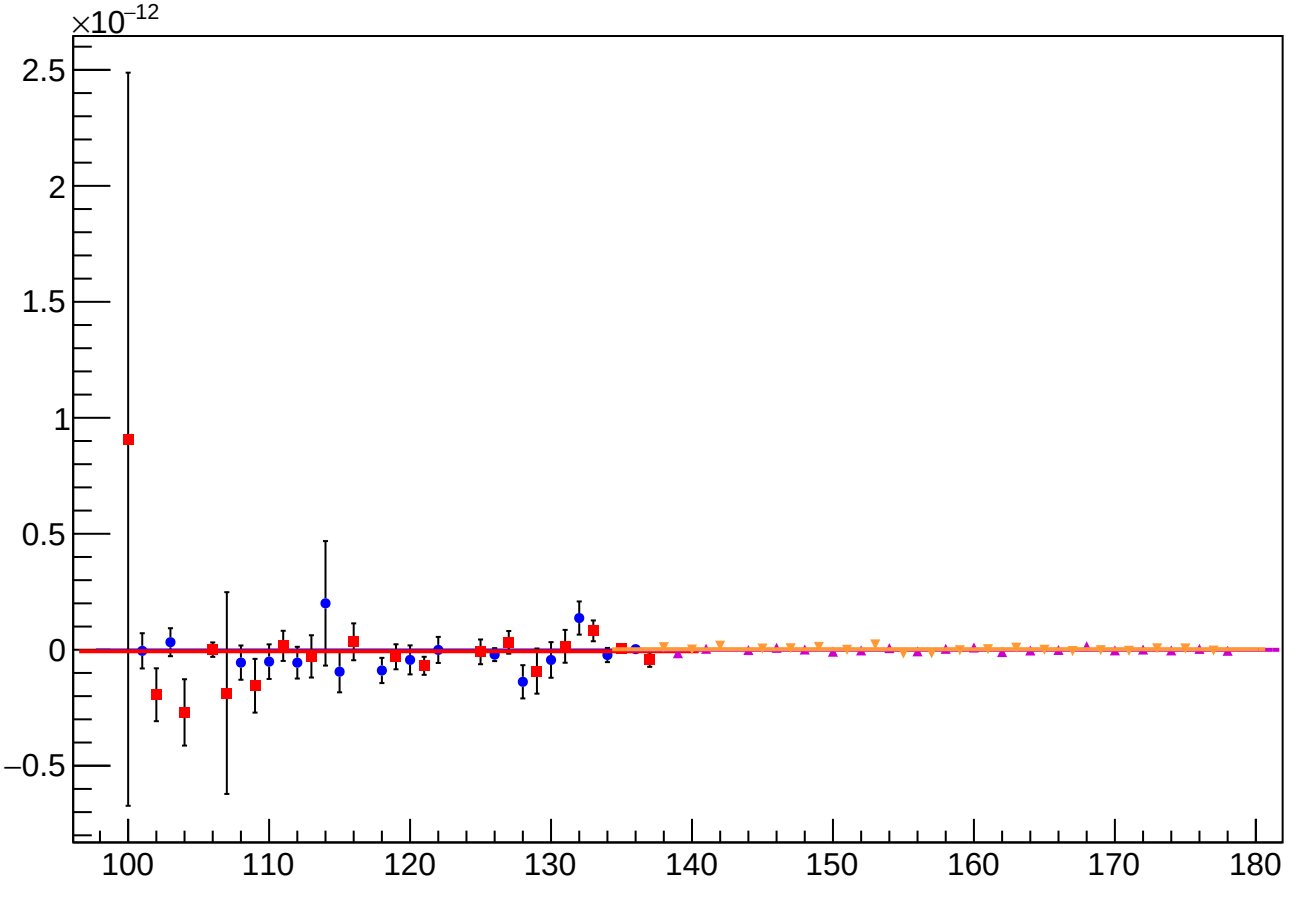
Right: 2429.198+/-0.461 χ^2/NDF: 1312704.2/33

In: 2245.367+/-0.330 χ^2/NDF:763646.2/35

Out: 2254.563+/-0.334 χ^2/NDF:755215.1/37

All: 2249.903+/-0.235 χ^2/NDF: 1519245.2/73

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:13.1/19

Left: 0.000+/-0.000 χ^2/NDF: 31.2/39

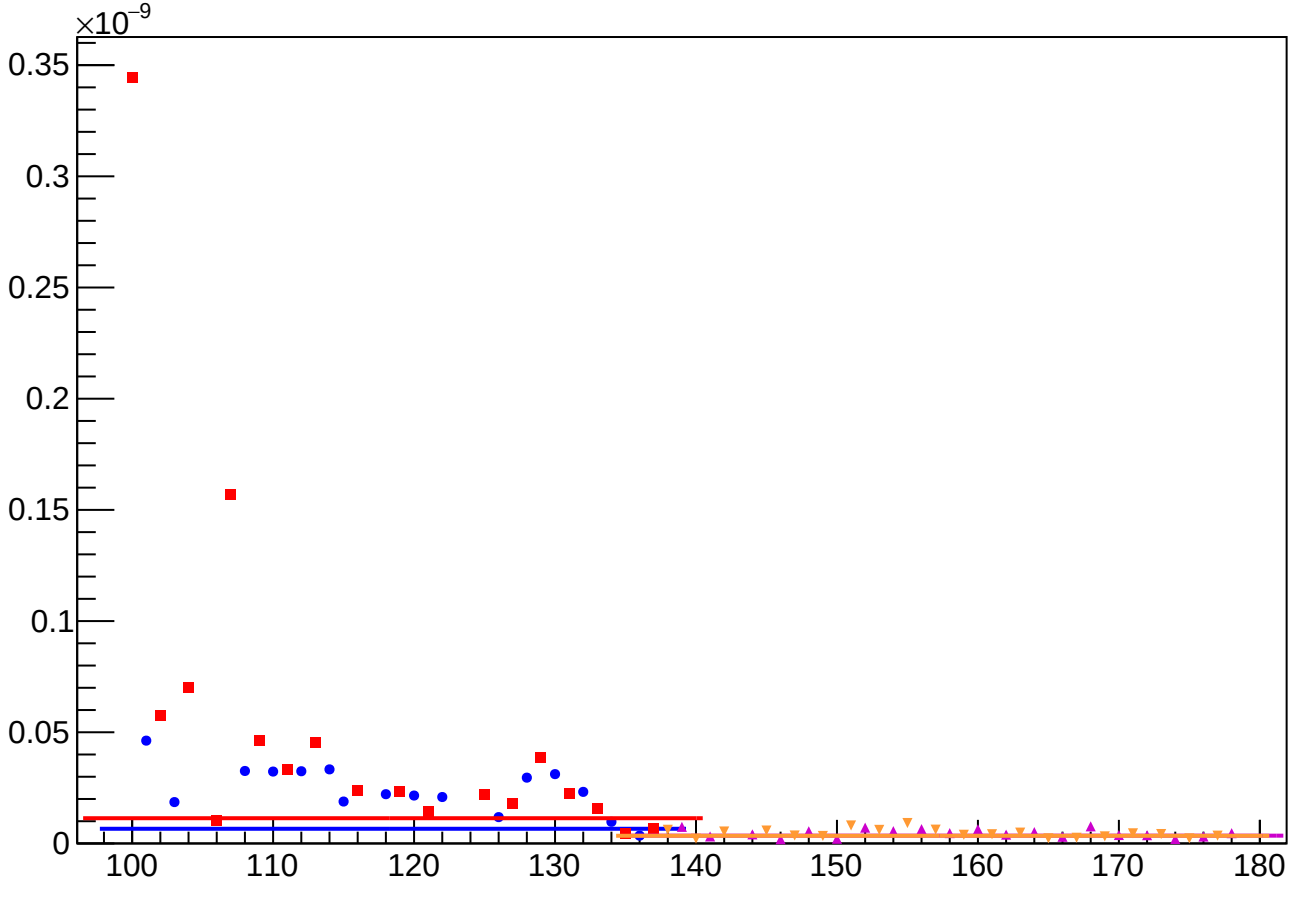
Right: -0.000+/-0.000 χ^2/NDF: 34.5/33

In: -0.000+/-0.000 χ^2/NDF:28.9/35

Out: 0.000+/-0.000 χ^2/NDF:36.8/37

All: 0.000+/-0.000 χ^2/NDF: 66.6/73

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:1595854.5/19

Left: 0.000+/-0.000 χ^2/NDF: 3233056.5/39

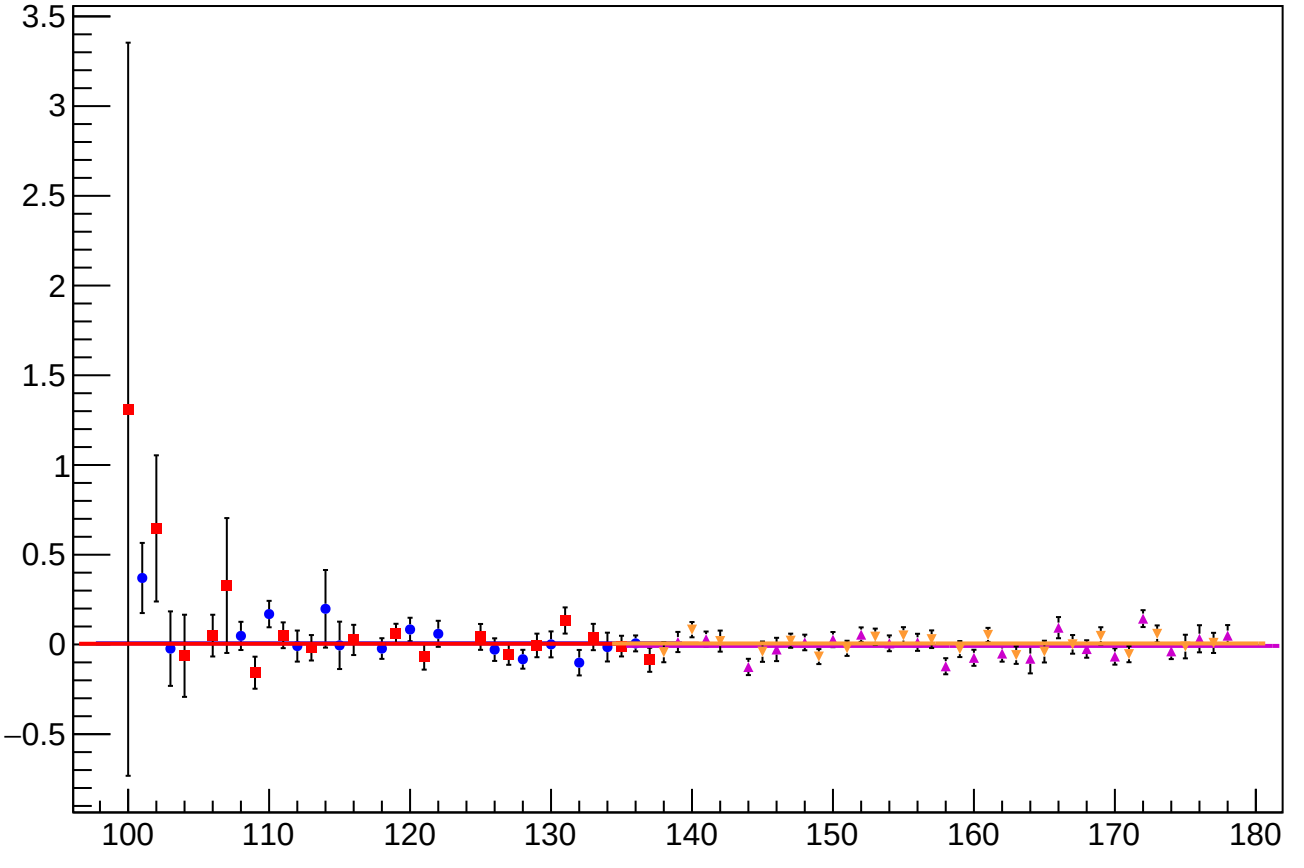
Right: 0.000+/-0.000 χ^2/NDF: 5888629.2/33

In: 0.000+/-0.000 χ^2/NDF:4903770.4/35

Out: 0.000+/-0.000 χ^2/NDF:5605760.9/37

All: 0.000+/-0.000 χ^2/NDF: 10510403.2/73

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: -0.008+/-0.011 χ^2/NDF:38.4/19

Left: -0.001+/-0.008 χ^2/NDF: 57.7/39

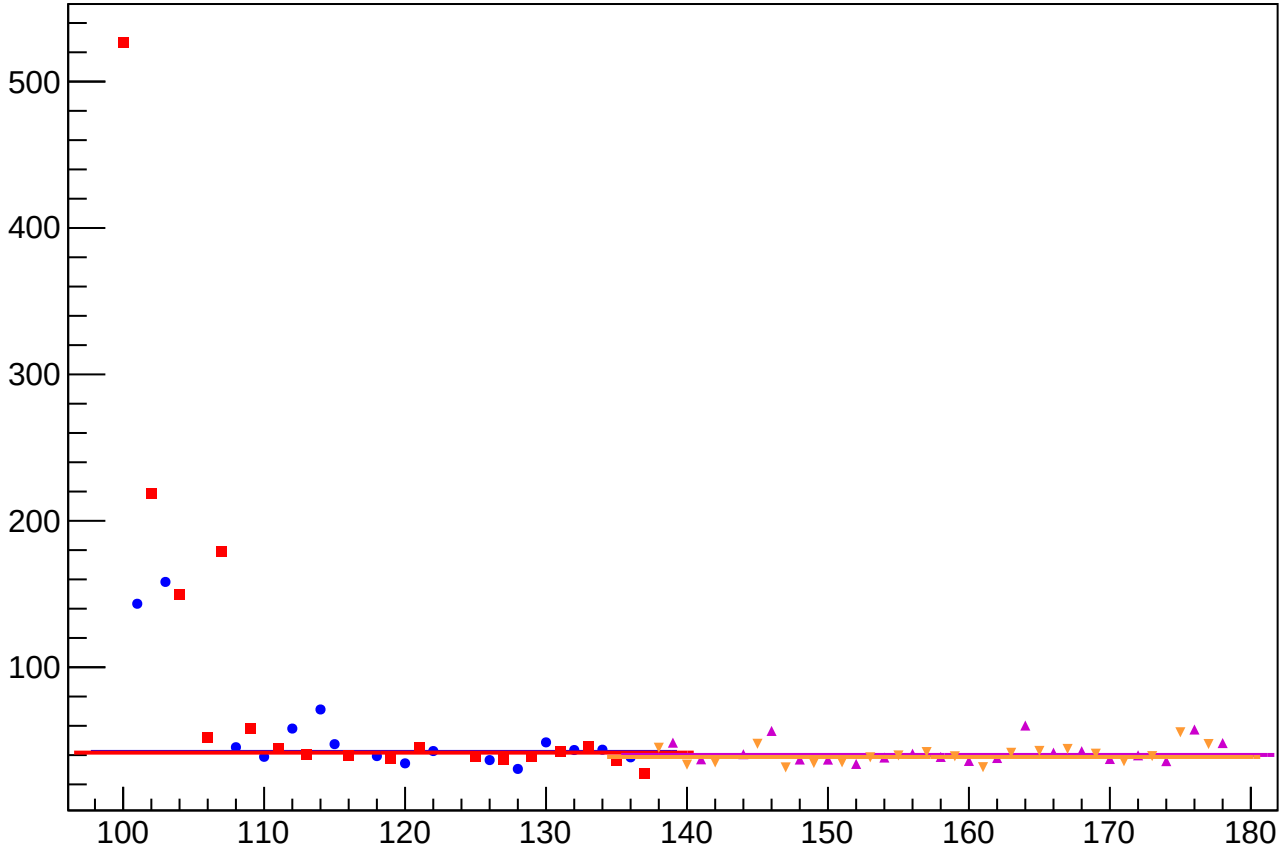
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.005+/-0.009 χ^2/NDF:56.1/35

Out: 0.005+/-0.009 χ^2/NDF:34.7/37

All: 0.000+/-0.007 χ^2/NDF: 91.3/73

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: 40.107+/-0.008 χ^2/NDF:572618.8/19

Left: 39.405+/-0.005 χ^2/NDF: 1110052.7/39

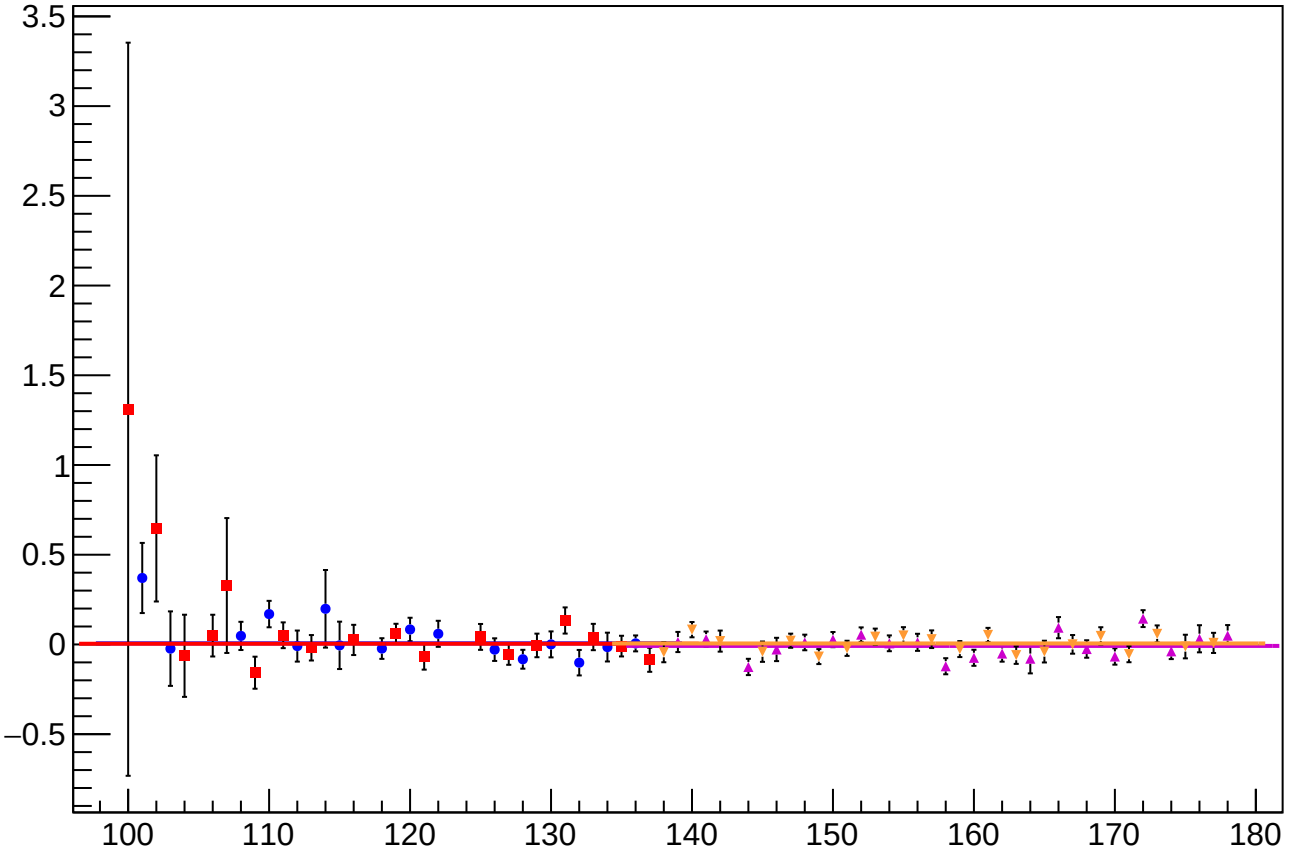
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 40.643+/-0.007 χ^2/NDF:2045787.1/35

Out: 39.460+/-0.007 χ^2/NDF:2000442.0/37

All: 40.048+/-0.005 χ^2/NDF: 4062467.7/73

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: -0.008+/-0.011 χ^2/NDF:38.4/19

Left: -0.001+/-0.008 χ^2/NDF: 57.7/39

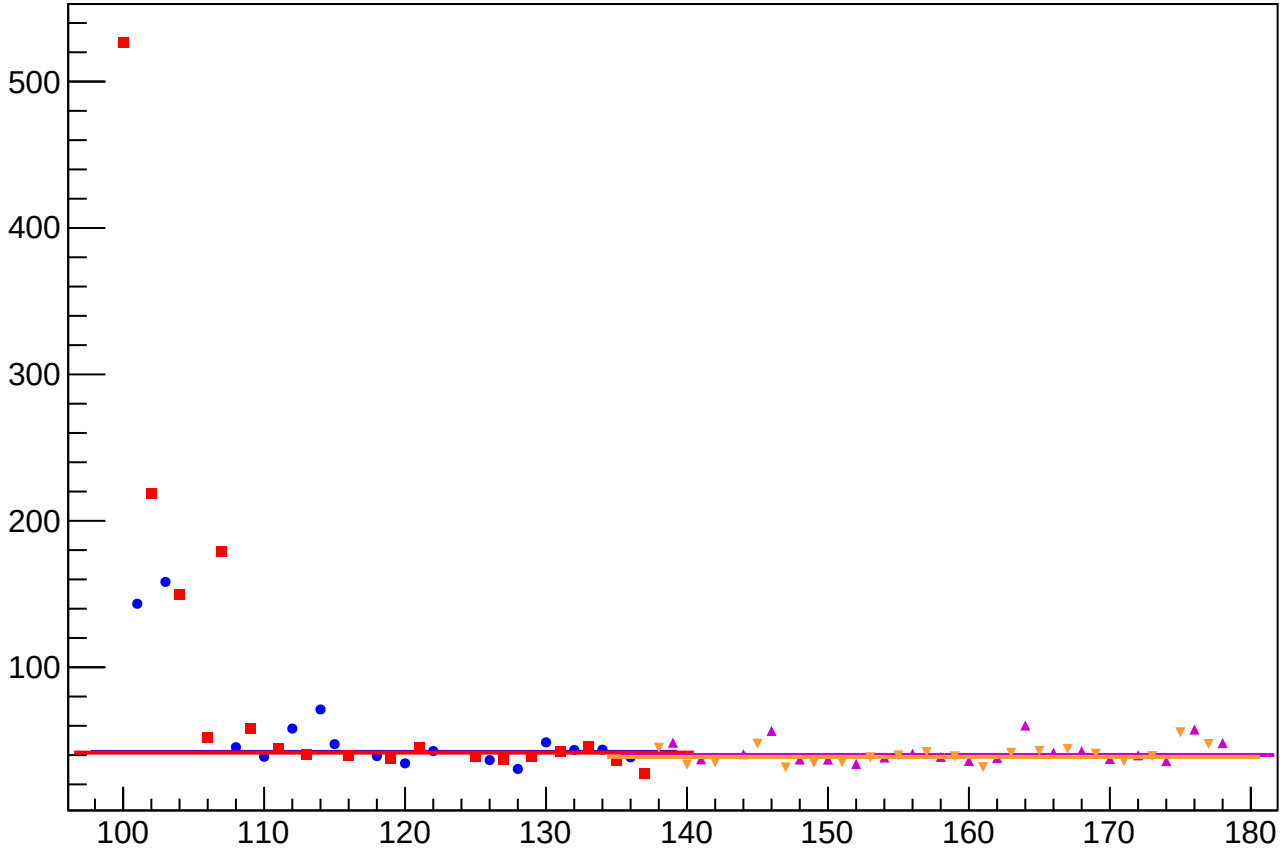
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.005+/-0.009 χ^2/NDF:56.1/35

Out: 0.005+/-0.009 χ^2/NDF:34.7/37

All: 0.000+/-0.007 χ^2/NDF: 91.3/73

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: 40.107+/-0.008 χ^2/NDF:572618.8/19

Left: 39.405+/-0.005 χ^2/NDF: 1110052.7/39

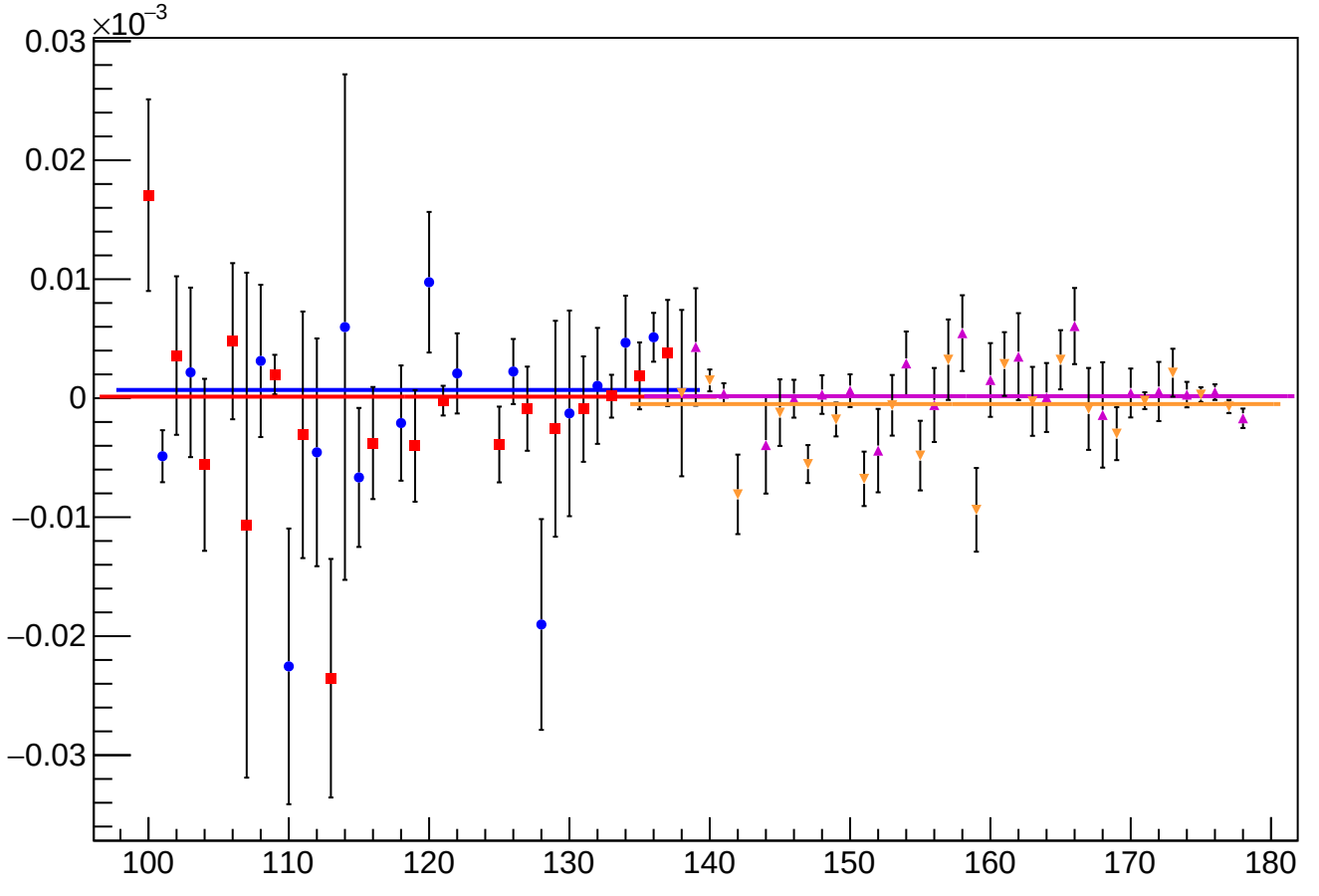
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 40.643+/-0.007 χ^2/NDF:2045787.1/35

Out: 39.460+/-0.007 χ^2/NDF:2000442.0/37

All: 40.048+/-0.005 χ^2/NDF: 4062467.7/73

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:17.5/19

Left: -0.000+/-0.000 χ^2/NDF: 66.5/39

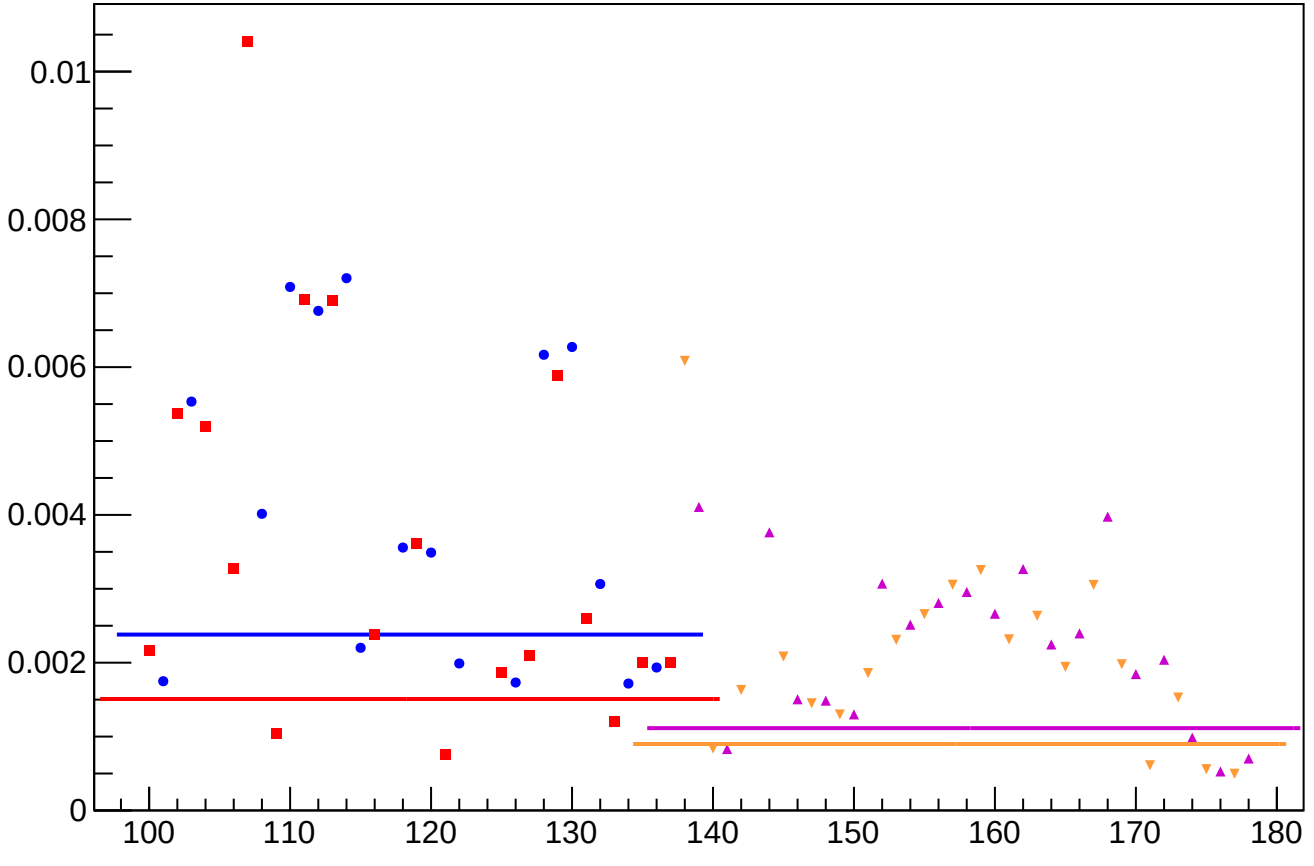
Right: 0.000+/-0.000 χ^2/NDF: 44.1/33

In: 0.000+/-0.000 χ^2/NDF:44.2/35

Out: -0.000+/-0.000 χ^2/NDF:64.9/37

All: -0.000+/-0.000 χ^2/NDF: 111.3/73

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:9784715.7/19

Left: 0.001+/-0.000 χ^2/NDF: 20668435.5/39

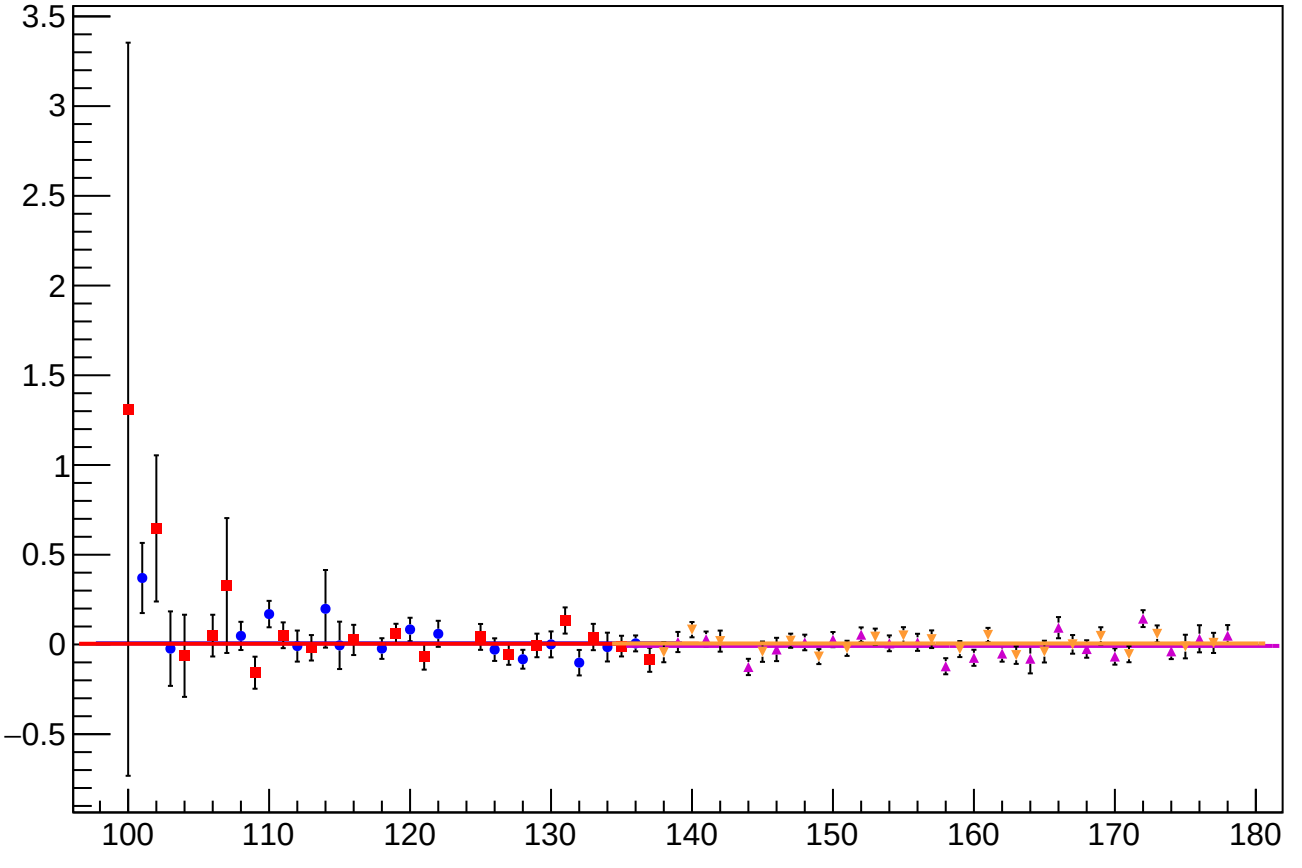
Right: 0.002+/-0.000 χ^2/NDF: 8812145.3/33

In: 0.001+/-0.000 χ^2/NDF:15402317.4/35

Out: 0.001+/-0.000 χ^2/NDF:16653436.0/37

All: 0.001+/-0.000 χ^2/NDF: 32798768.7/73

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: -0.008+/-0.011 χ^2/NDF:38.4/19

Left: -0.001+/-0.008 χ^2/NDF: 57.7/39

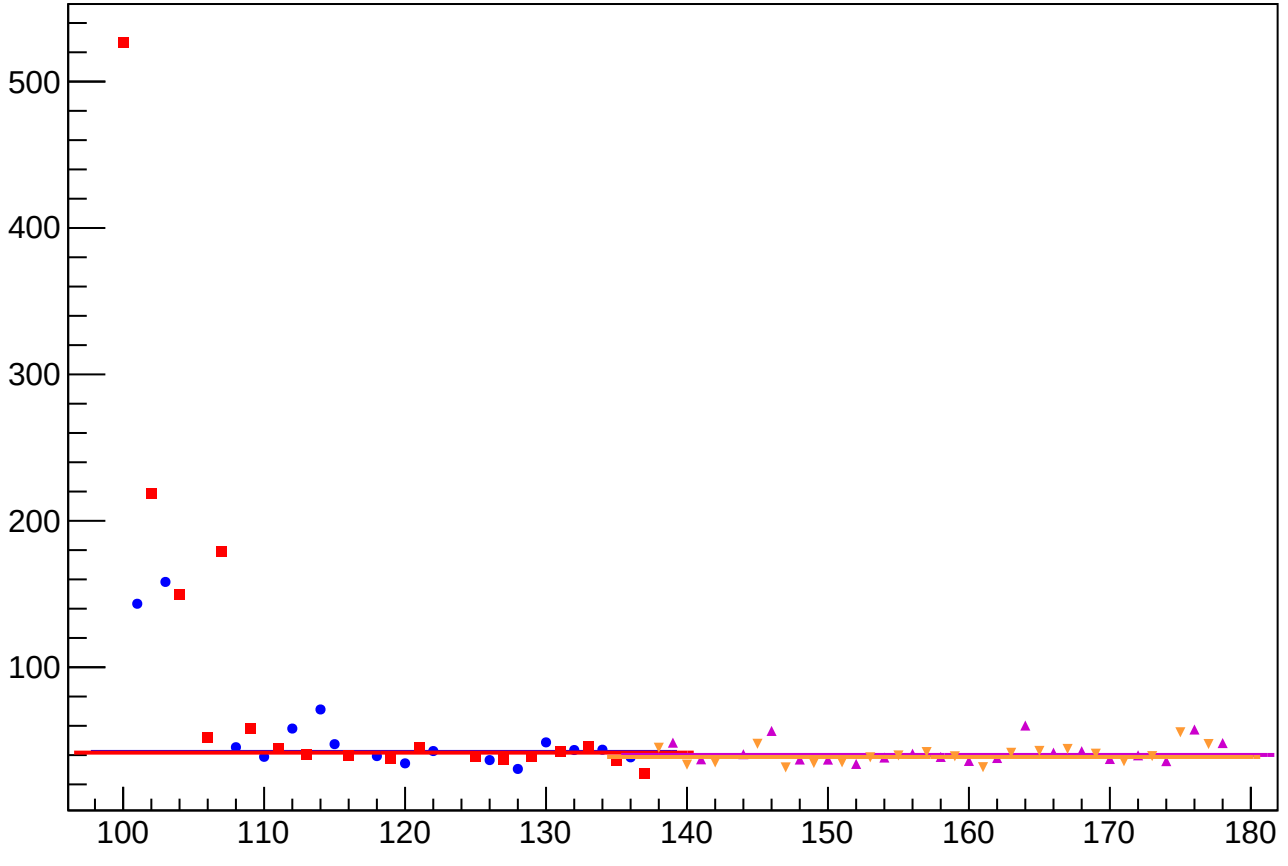
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.005+/-0.009 χ^2/NDF:56.1/35

Out: 0.005+/-0.009 χ^2/NDF:34.7/37

All: 0.000+/-0.007 χ^2/NDF: 91.3/73

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: 40.107+/-0.008 χ^2/NDF:572654.3/19

Left: 39.405+/-0.005 χ^2/NDF: 1110066.7/39

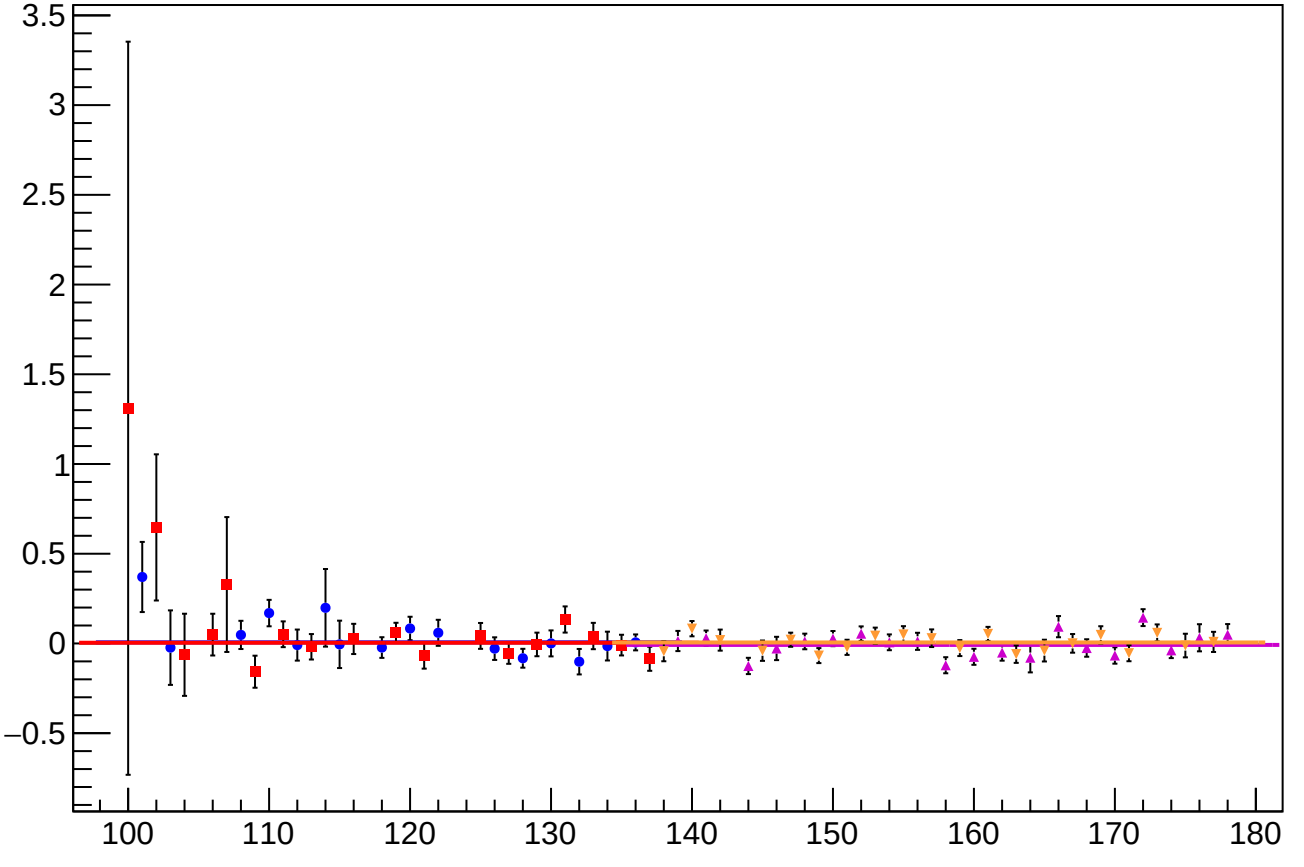
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.643+/-0.007 χ^2/NDF:2045992.7/35

Out: 39.460+/-0.007 χ^2/NDF:2000412.6/37

All: 40.048+/-0.005 χ^2/NDF: 4062622.0/73

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: -0.008+/-0.011 χ^2/NDF:38.4/19

Left: -0.001+/-0.008 χ^2/NDF: 57.7/39

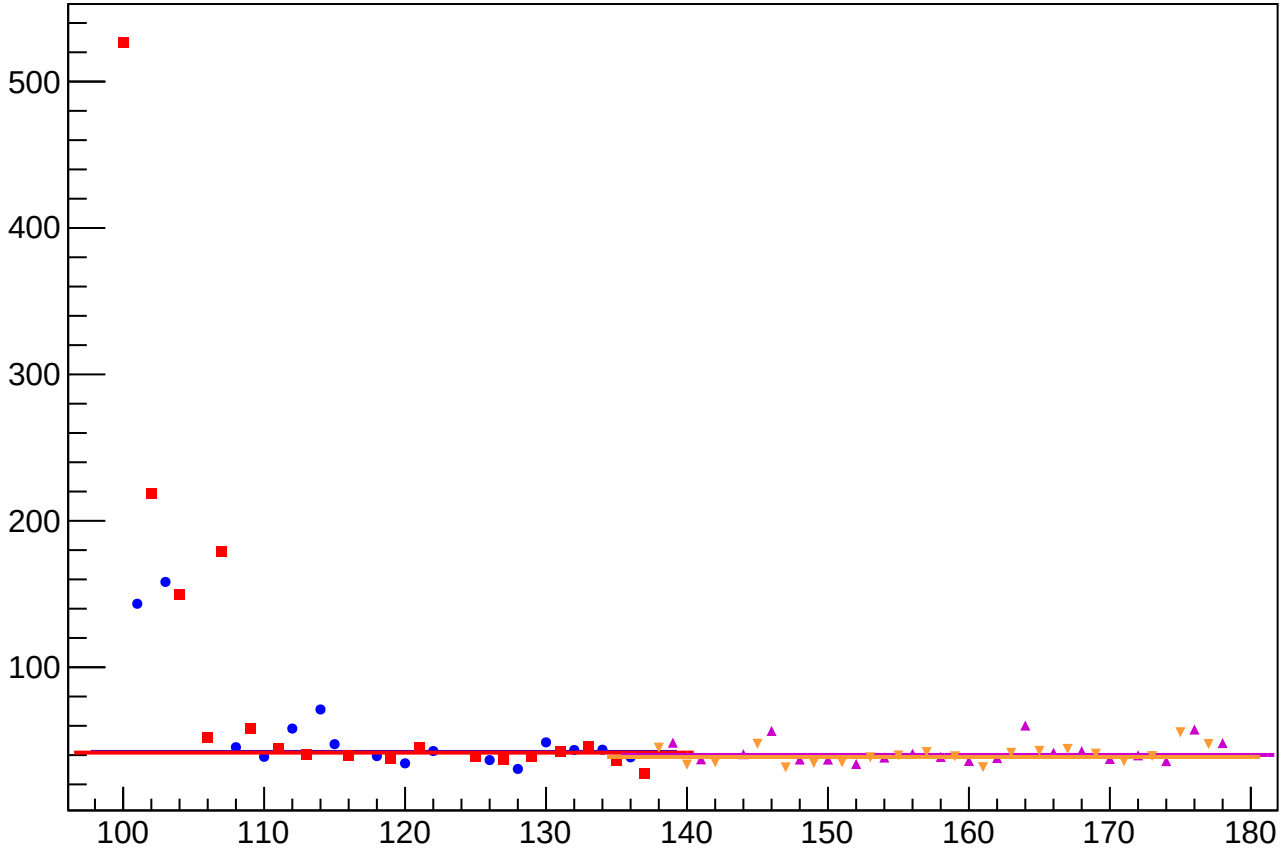
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.005+/-0.009 χ^2/NDF:56.1/35

Out: 0.005+/-0.009 χ^2/NDF:34.7/37

All: 0.000+/-0.007 χ^2/NDF: 91.3/73

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: 40.107+/-0.008 χ^2/NDF:572654.3/19

Left: 39.405+/-0.005 χ^2/NDF: 1110066.7/39

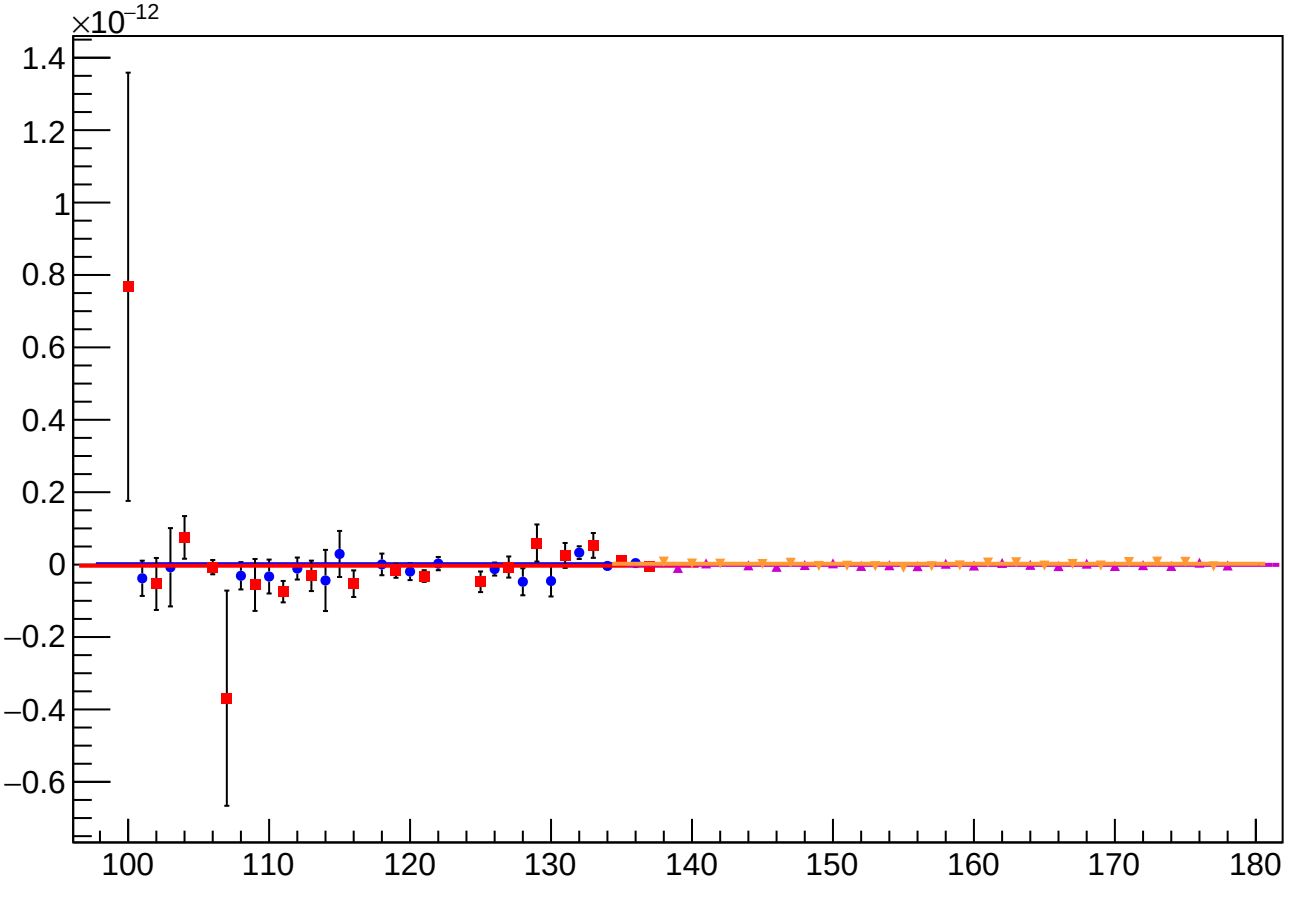
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.643+/-0.007 χ^2/NDF:2045992.7/35

Out: 39.460+/-0.007 χ^2/NDF:2000412.6/37

All: 40.048+/-0.005 χ^2/NDF: 4062622.0/73

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:14.4/19

Left: 0.000+/-0.000 χ^2/NDF: 43.9/39

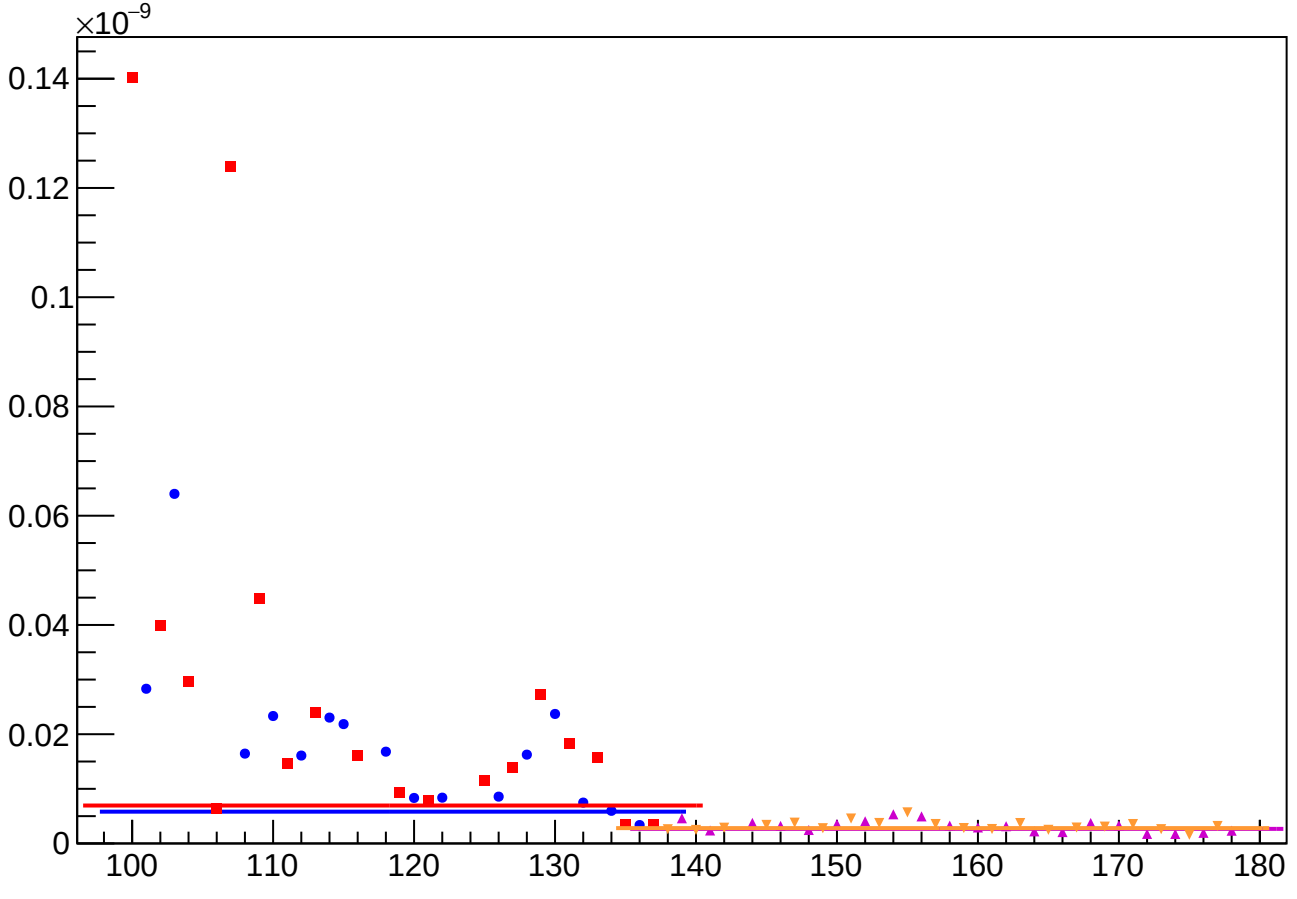
Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:25.2/35

Out: 0.000+/-0.000 χ^2/NDF:54.4/37

All: 0.000+/-0.000 χ^2/NDF: 83.9/73

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3296021.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1272418.4/19

Right Out: 0.000+/-0.000 χ^2/NDF: 3789910.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1743194.9/19

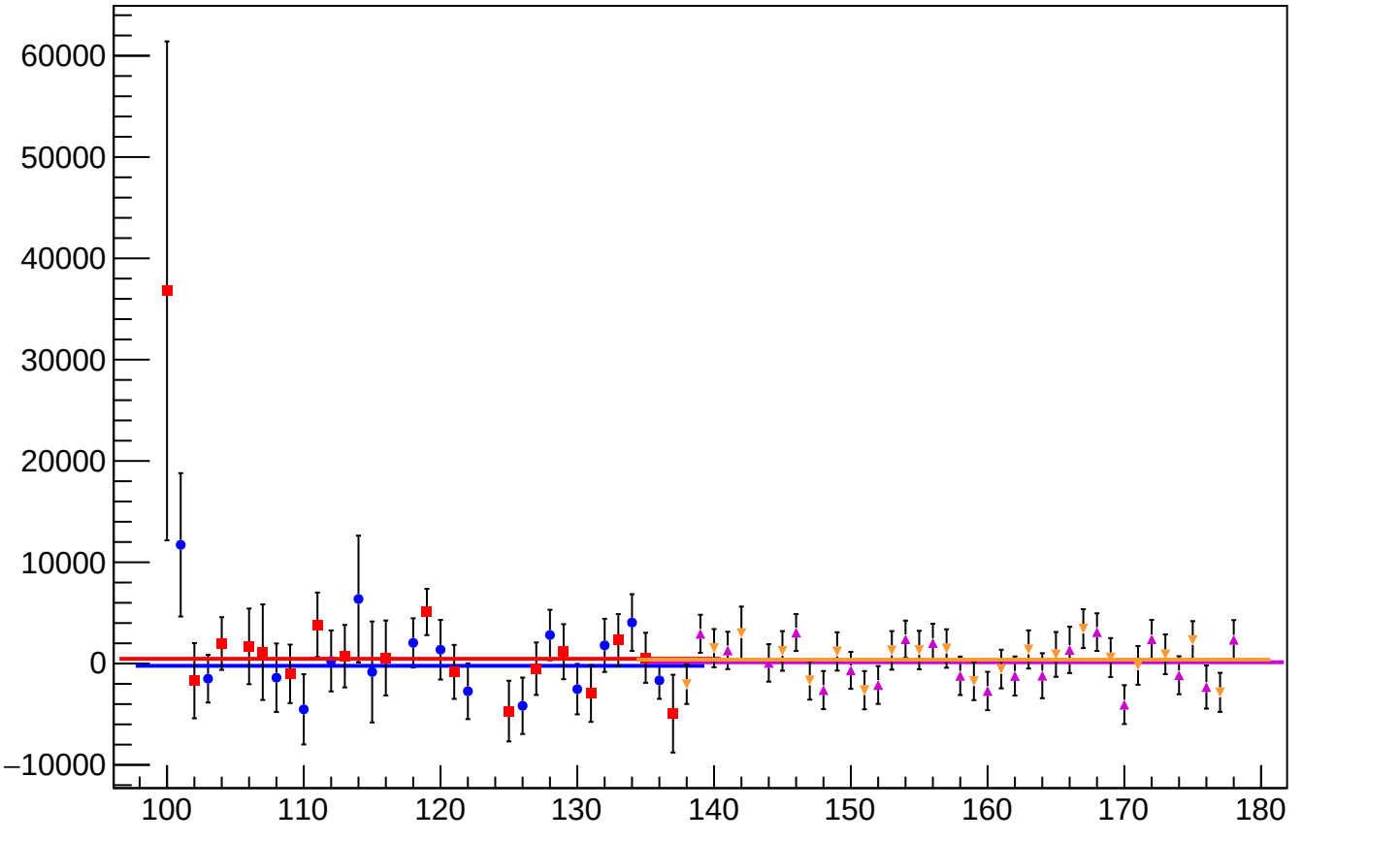
Left: 0.000+/-0.000 χ^2/NDF: 3035709.9/39

Right: 0.000+/-0.000 χ^2/NDF: 7152698.2/33

In: 0.000+/-0.000 χ^2/NDF:6261766.5/35

Out: 0.000+/-0.000 χ^2/NDF:6522979.7/37

All: 0.000+/-0.000 χ^2/NDF: 12806460.7/73



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: 130.977+/-428.938 χ^2/NDF:27.2/19

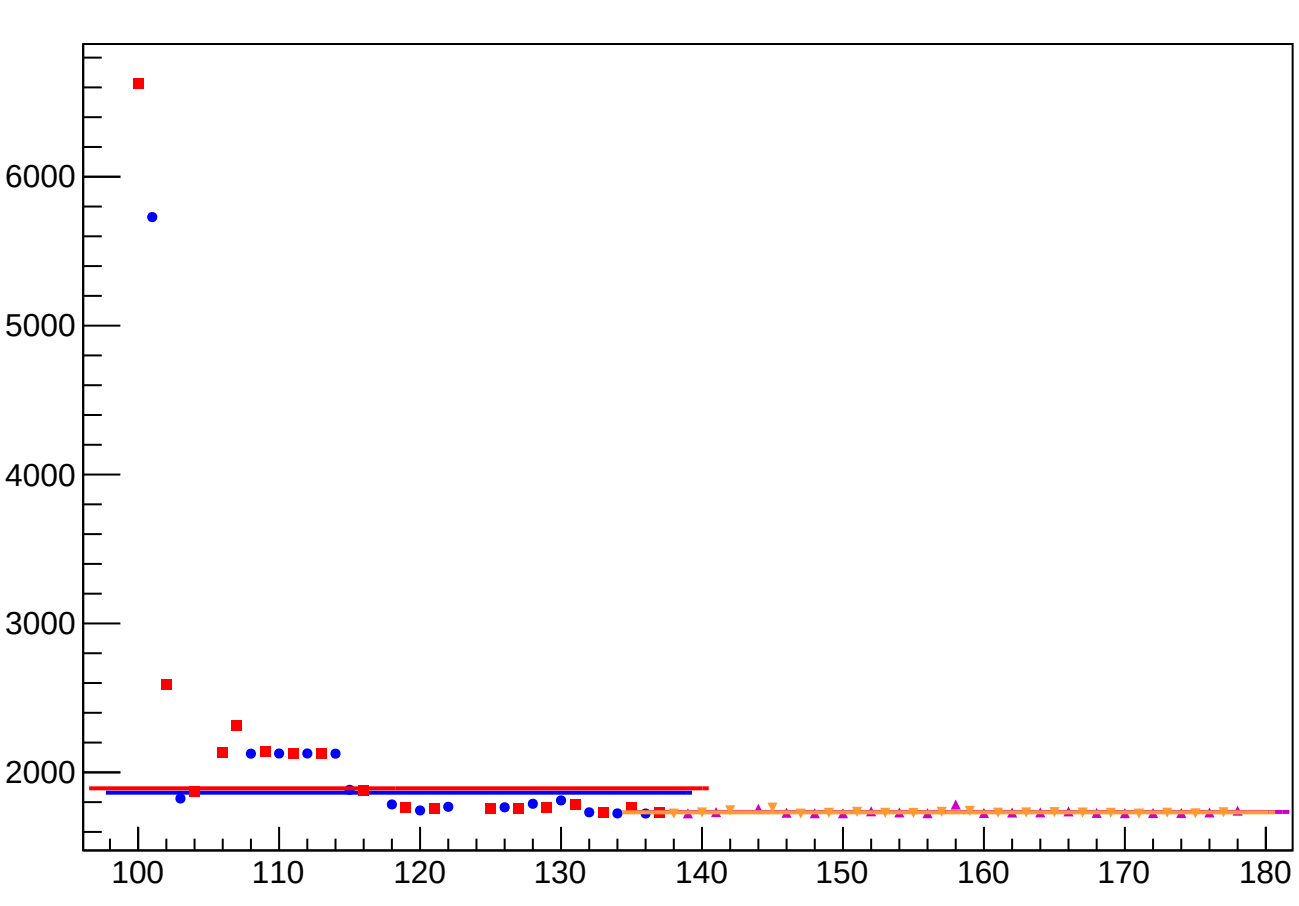
Left: 256.986+/-305.324 χ^2/NDF: 43.6/39

Right: 123.577+/-502.265 χ^2/NDF: 32.2/33

In: 36.167+/-367.022 χ^2/NDF:43.2/35

Out: 409.785+/-370.947 χ^2/NDF:32.1/37

All: 220.989+/-260.900 χ^2/NDF: 75.8/73



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: 1734.176+/-0.303 χ^2/NDF:2085.0/19

Left: 1732.887+/-0.216 χ^2/NDF: 2933.5/39

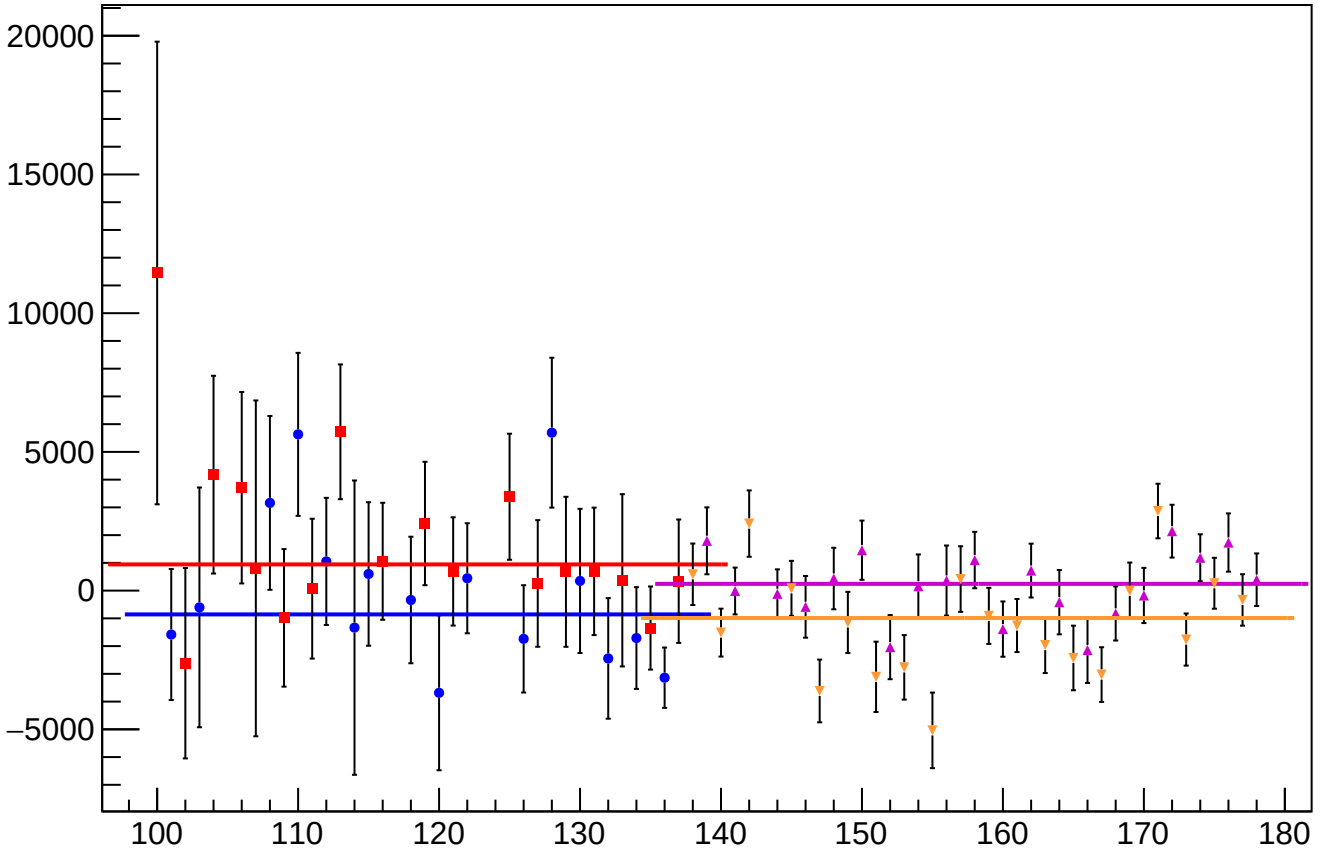
Right: 1878.175+/-0.355 χ^2/NDF: 927878.2/33

In: 1768.839+/-0.260 χ^2/NDF:725508.4/35

Out: 1775.410+/-0.262 χ^2/NDF:327180.9/37

All: 1772.090+/-0.184 χ^2/NDF: 1053006.5/73

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: -987.479+/-233.139 χ^2/NDF:58.7/19

Right Out: 944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: 243.478+/-228.866 χ^2/NDF:24.3/19

Left: -360.619+/-163.322 χ^2/NDF: 97.2/39

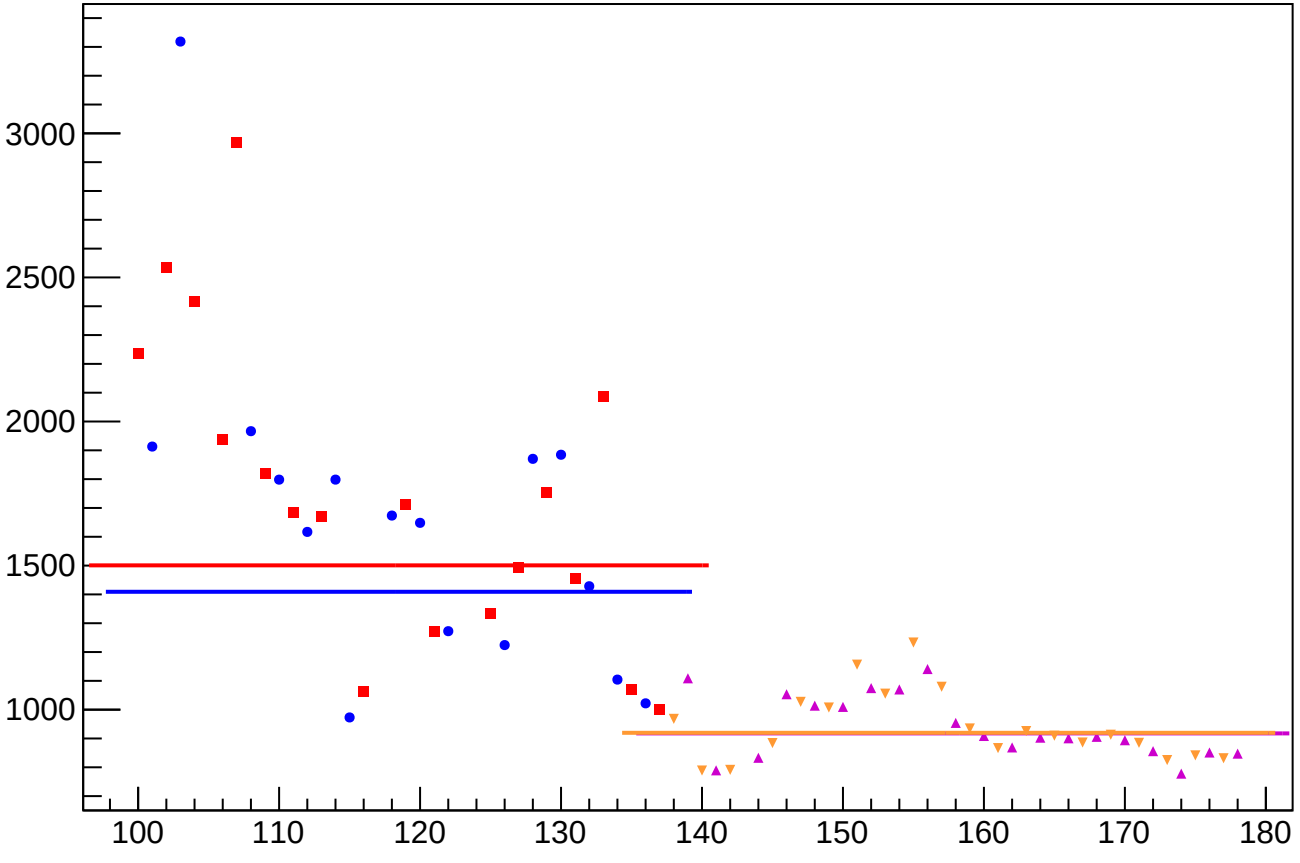
Right: -10.558+/-400.298 χ^2/NDF: 38.6/33

In: 80.900+/-211.290 χ^2/NDF:48.3/35

Out: -721.851+/-216.521 χ^2/NDF:81.0/37

All: -310.662+/-151.220 χ^2/NDF: 136.4/73

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 919.705+/-0.165 χ^2/NDF:410241.9/19

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

Left In: 917.644+/-0.162 χ^2/NDF:401474.8/19

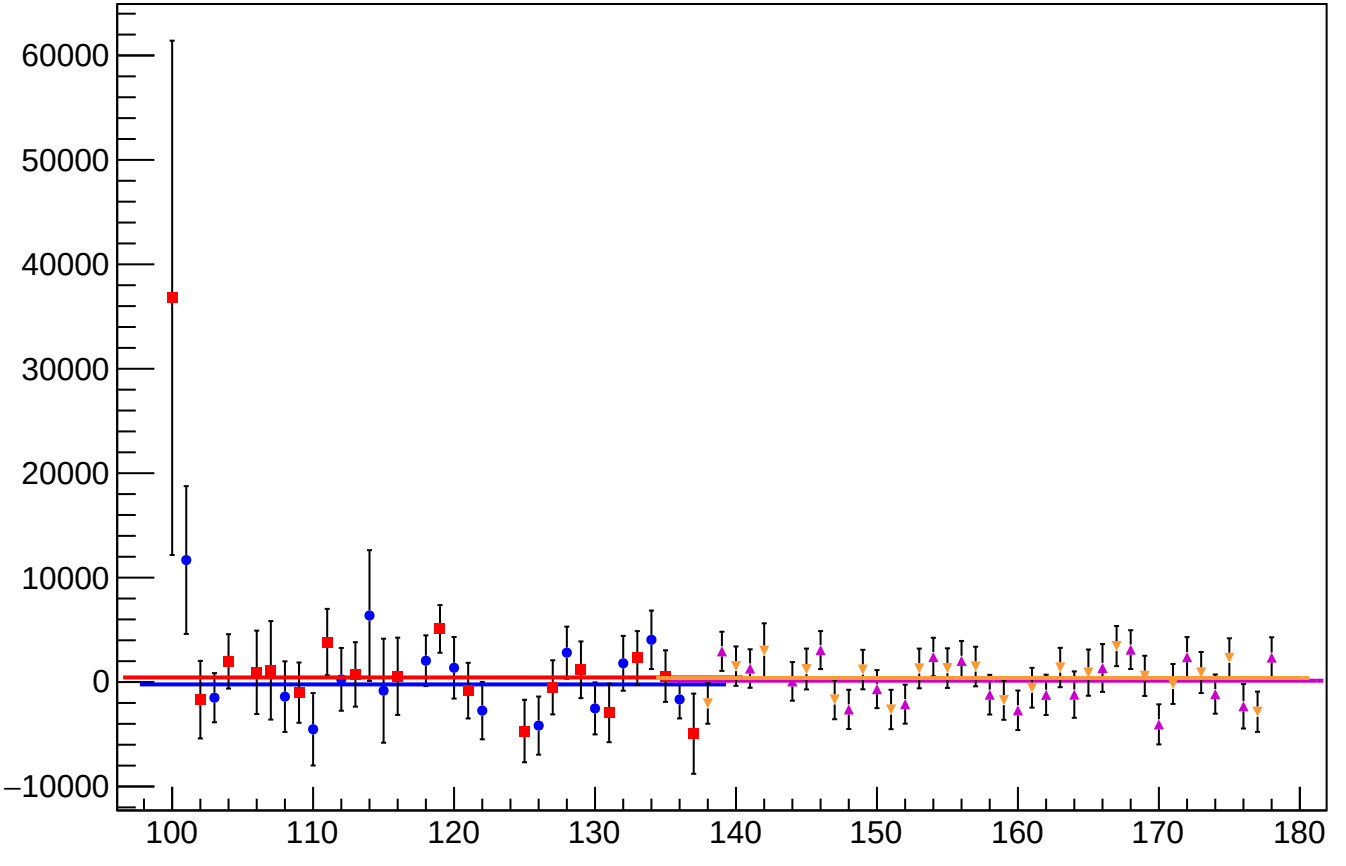
Left: 918.655+/-0.115 χ^2/NDF: 811796.3/39

Right: 1452.187+/-0.283 χ^2/NDF: 2224621.1/33

In: 990.228+/-0.149 χ^2/NDF:2931228.6/35

Out: 999.591+/-0.153 χ^2/NDF:3149138.9/37

All: 994.795+/-0.107 χ^2/NDF: 6082282.9/73



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: 131.023+/-428.938 χ^2/NDF:27.2/19

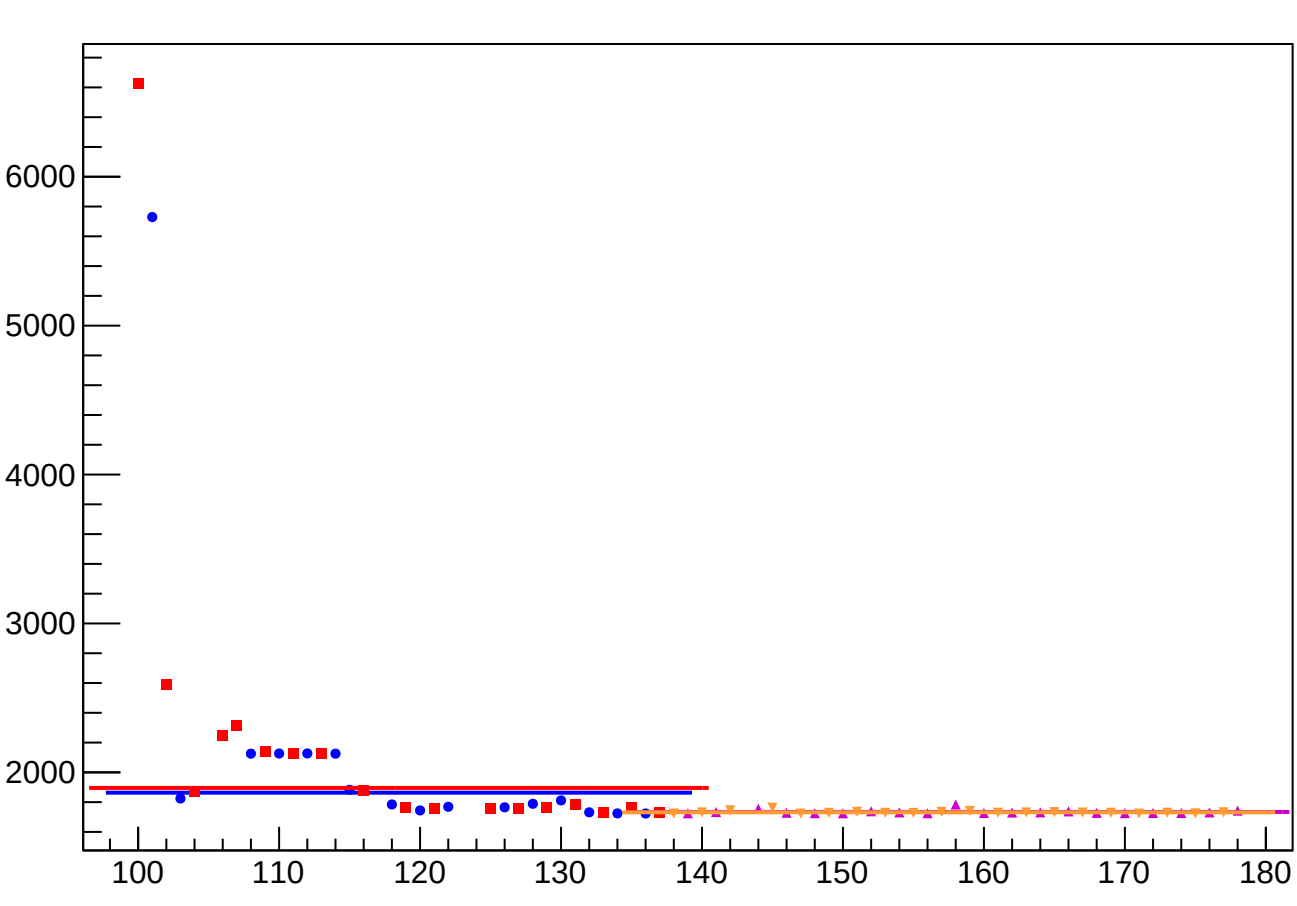
Left: 257.043+/-305.324 χ^2/NDF: 43.6/39

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 35.992+/-367.022 χ^2/NDF:43.2/35

Out: 401.796+/-371.177 χ^2/NDF:32.0/37

All: 216.836+/-260.980 χ^2/NDF: 75.7/73



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: 1734.176+/-0.303 χ^2/NDF:2085.0/19

Left: 1732.887+/-0.216 χ^2/NDF: 2933.5/39

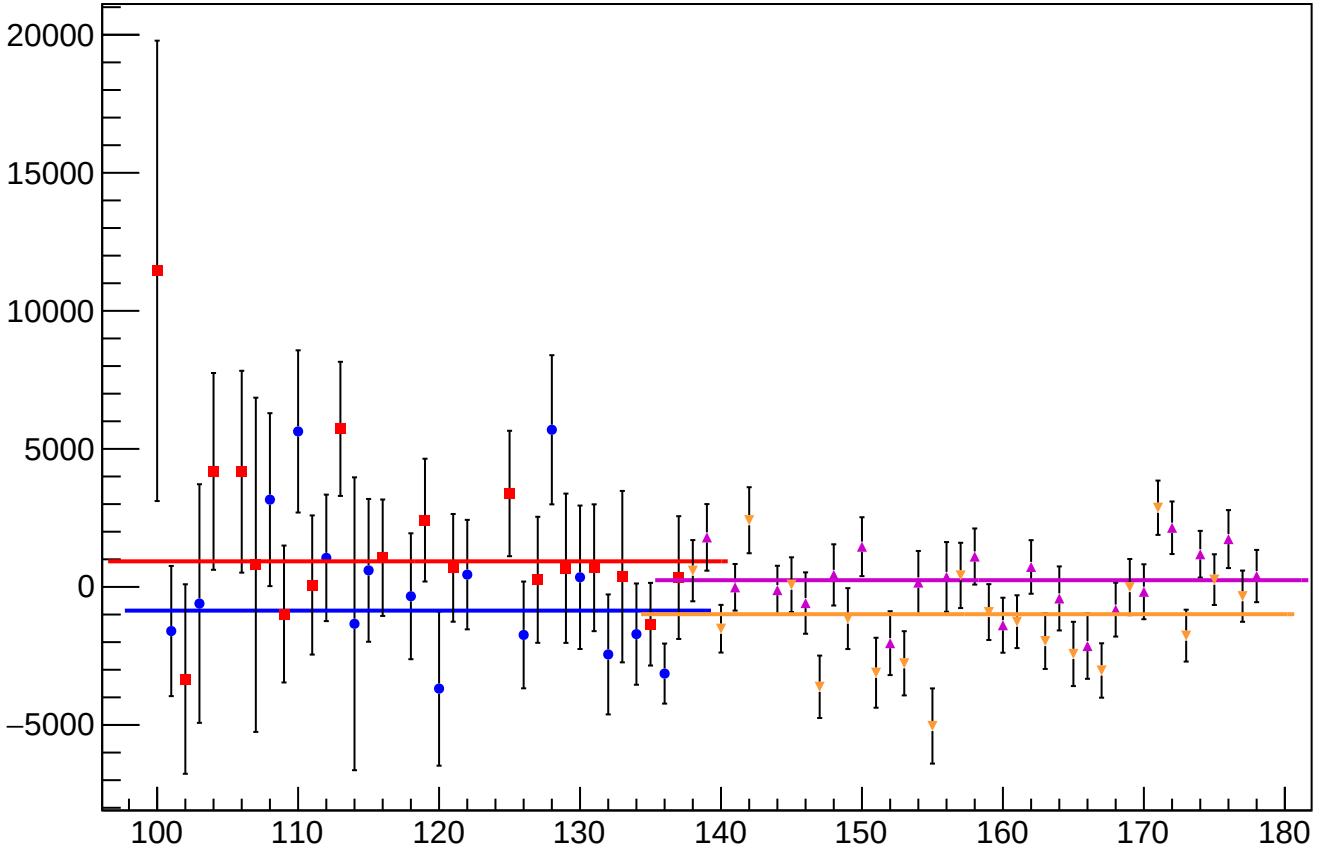
Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1768.839+/-0.260 χ^2/NDF:725508.3/35

Out: 1775.976+/-0.262 χ^2/NDF:337040.2/37

All: 1772.367+/-0.185 χ^2/NDF: 1062922.5/73

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: 243.491+/-228.865 χ^2/NDF:24.3/19

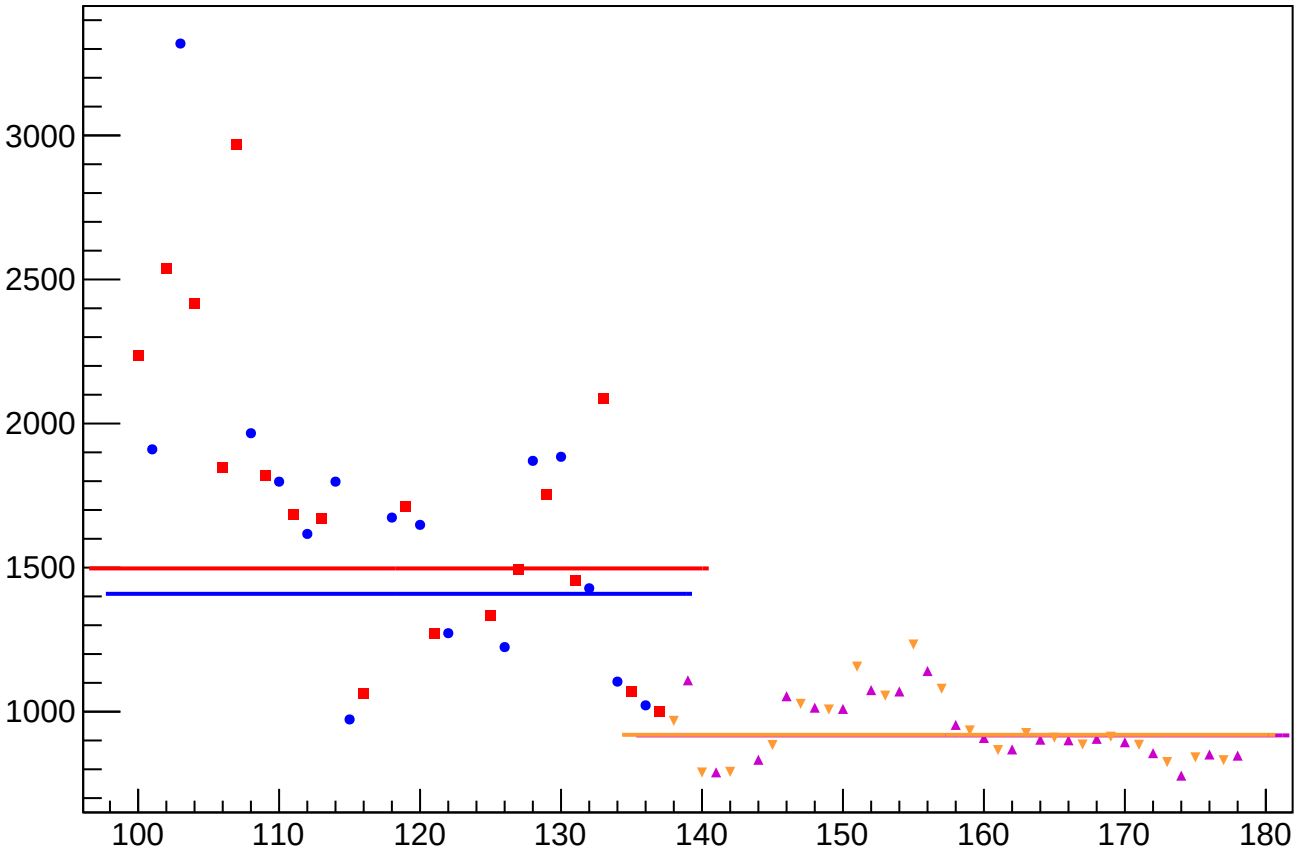
Left: -360.608+/-163.322 χ^2/NDF: 97.2/39

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: 80.770+/-211.287 χ^2/NDF:48.3/35

Out: -724.973+/-216.568 χ^2/NDF:81.4/37

All: -312.158+/-151.235 χ^2/NDF: 136.9/73



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: 917.638+/-0.162 χ^2/NDF:401498.3/19

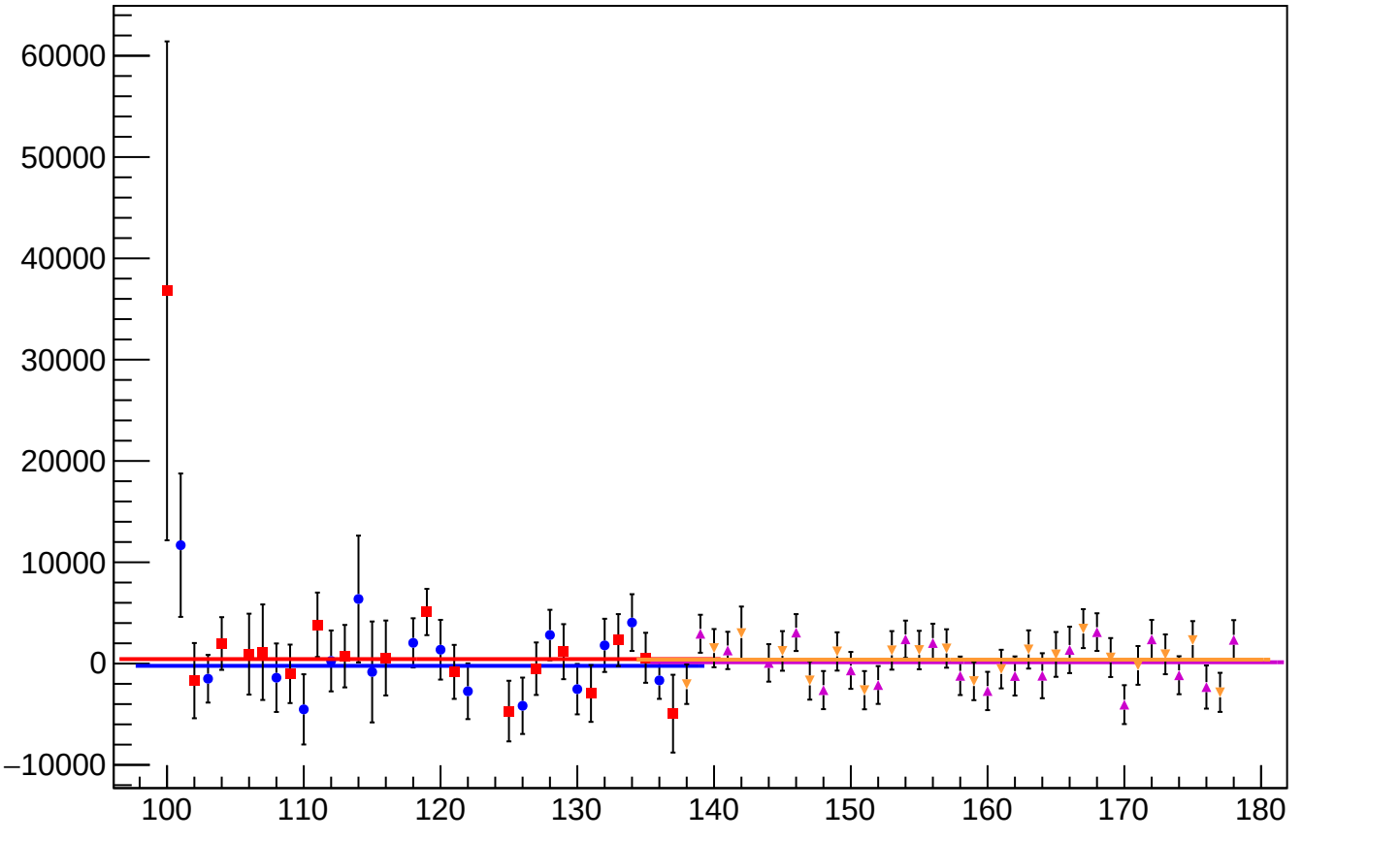
Left: 918.653+/-0.115 χ^2/NDF: 811782.8/39

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 990.221+/-0.149 χ^2/NDF:2930396.4/35

Out: 998.875+/-0.153 χ^2/NDF:3110472.4/37

All: 994.441+/-0.107 χ^2/NDF: 6042505.1/73



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: 131.023+/-428.938 χ^2/NDF:27.2/19

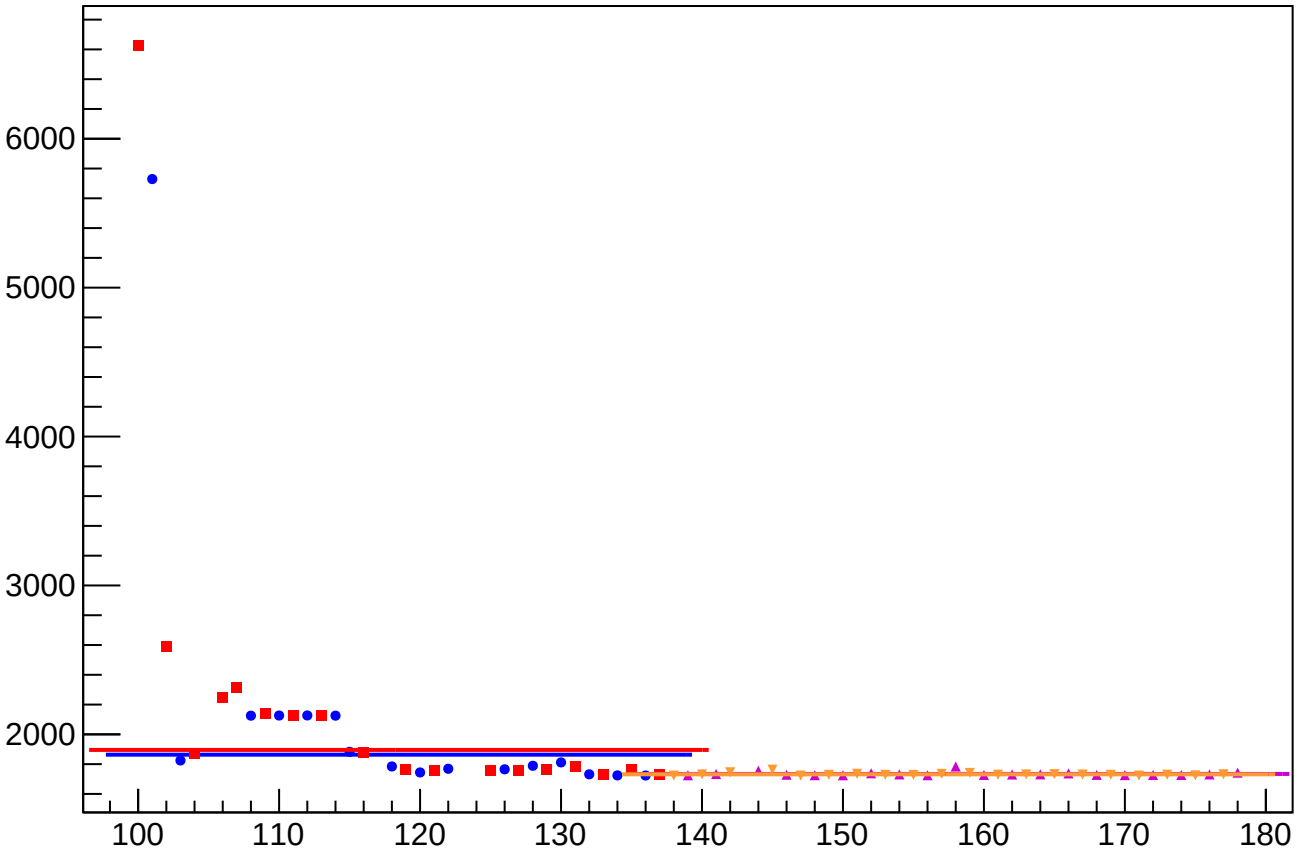
Left: 257.043+/-305.324 χ^2/NDF: 43.6/39

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 35.992+/-367.022 χ^2/NDF:43.2/35

Out: 401.796+/-371.177 χ^2/NDF:32.0/37

All: 216.836+/-260.980 χ^2/NDF: 75.7/73



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: 1734.176+/-0.303 χ^2/NDF:2085.0/19

Left: 1732.887+/-0.216 χ^2/NDF: 2933.5/39

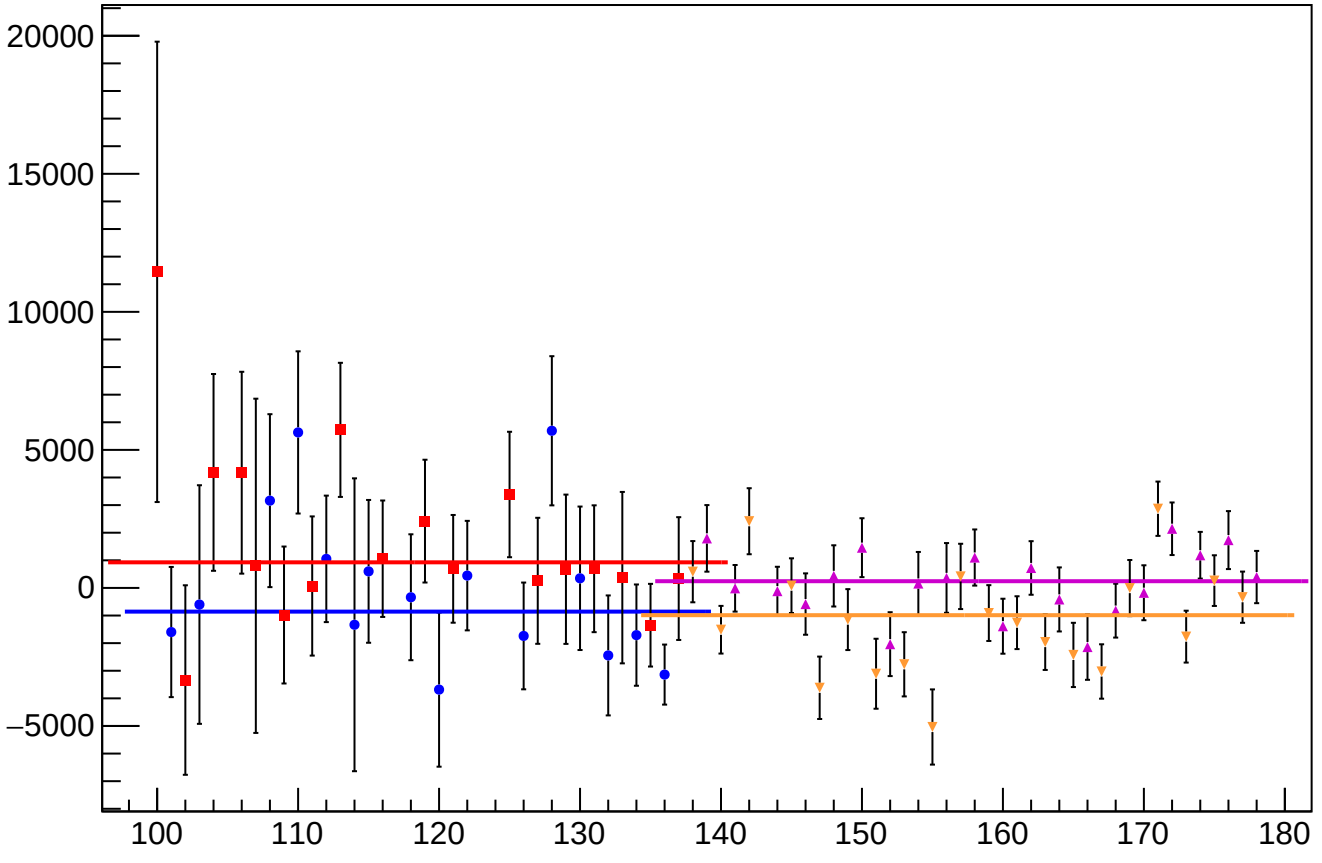
Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1768.839+/-0.260 χ^2/NDF:725508.3/35

Out: 1775.976+/-0.262 χ^2/NDF:337040.2/37

All: 1772.367+/-0.185 χ^2/NDF: 1062922.5/73

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: 243.491+/-228.865 χ^2/NDF:24.3/19

Left: -360.608+/-163.322 χ^2/NDF: 97.2/39

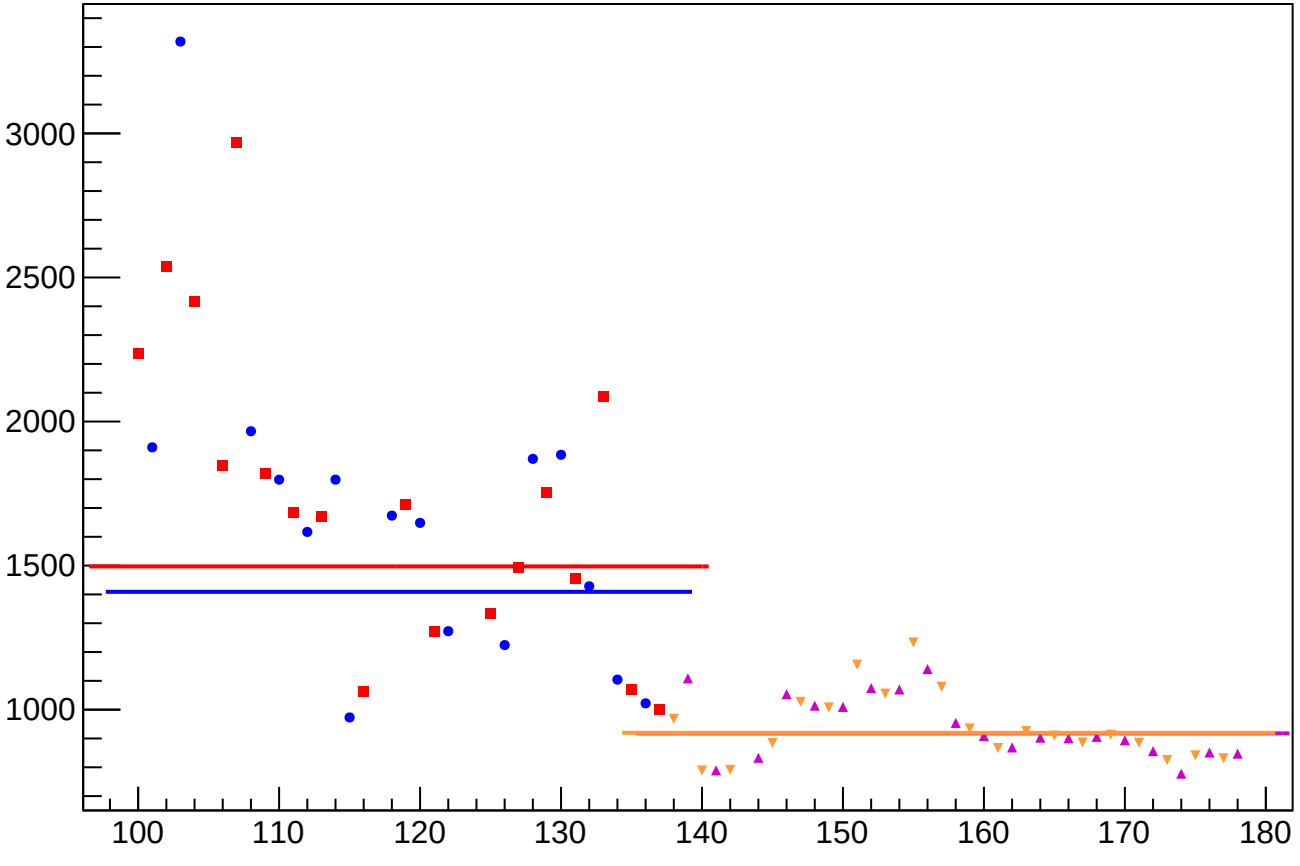
Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: 80.770+/-211.287 χ^2/NDF:48.3/35

Out: -724.973+/-216.568 χ^2/NDF:81.4/37

All: -312.158+/-151.235 χ^2/NDF: 136.9/73

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 917.638+/-0.162 χ^2/NDF:401498.3/19

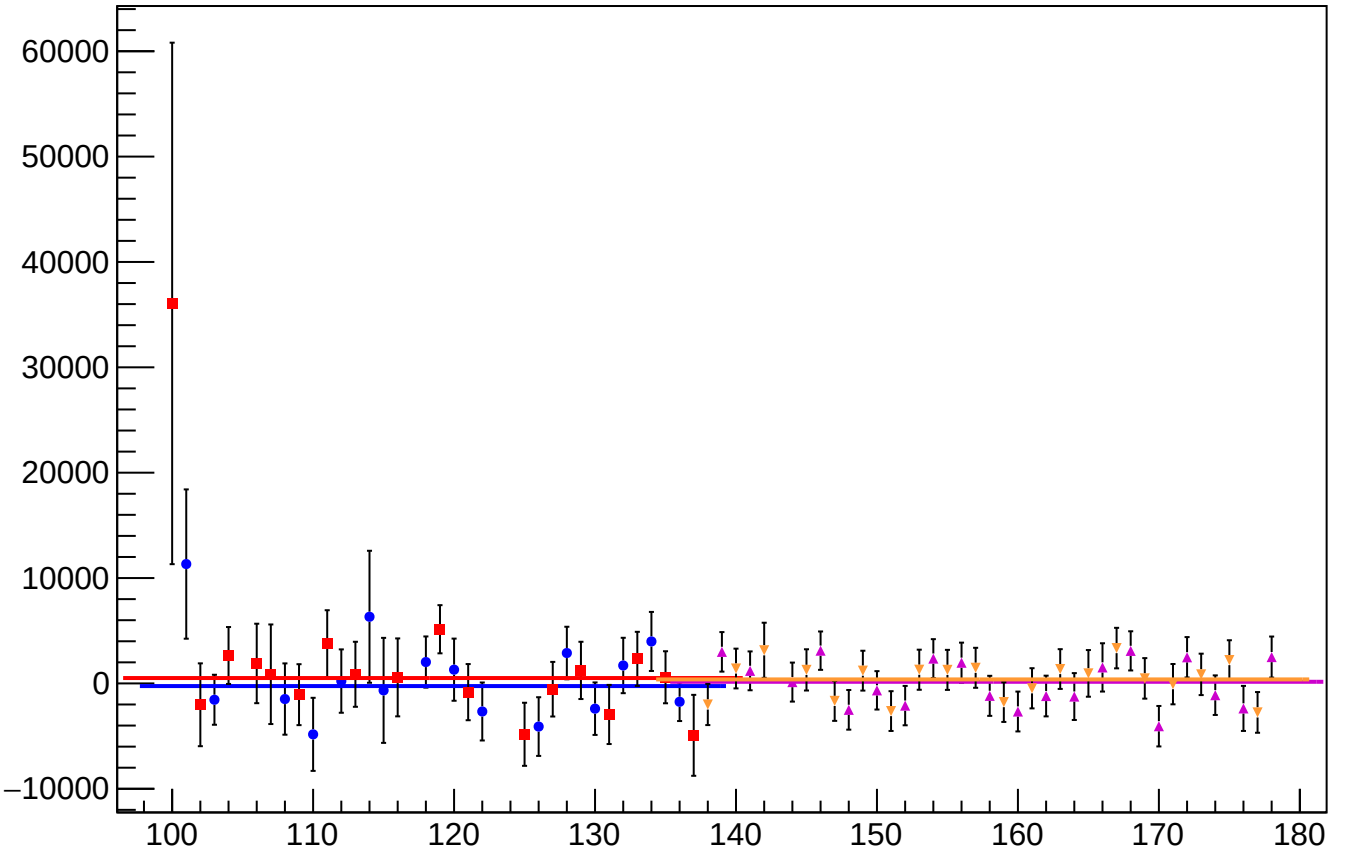
Left: 918.653+/-0.115 χ^2/NDF: 811782.8/39

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 990.221+/-0.149 χ^2/NDF:2930396.4/35

Out: 998.875+/-0.153 χ^2/NDF:3110472.4/37

All: 994.441+/-0.107 χ^2/NDF: 6042505.1/73



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: 154.711+/-429.255 χ^2/NDF:27.3/19

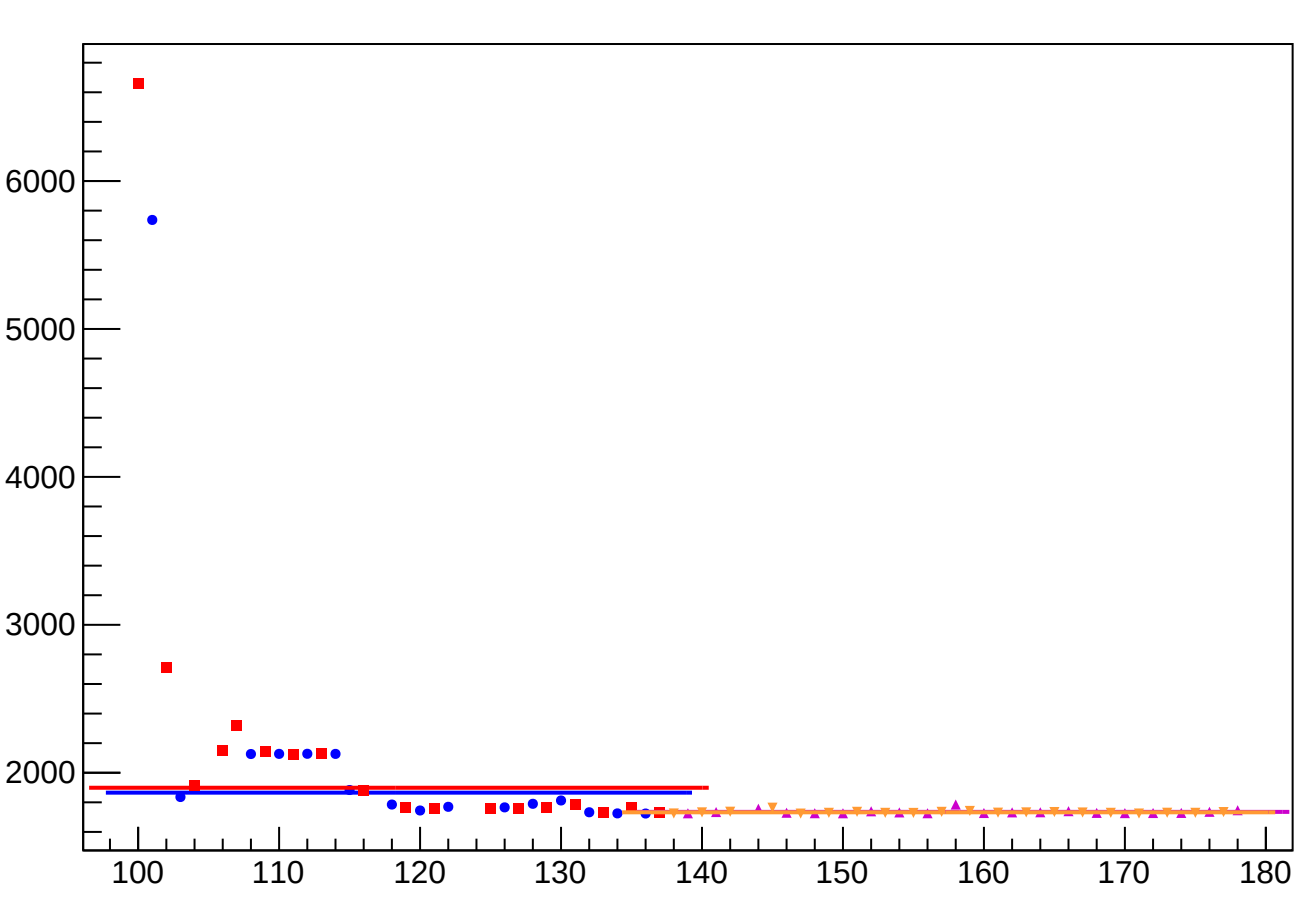
Left: 265.666+/-305.527 χ^2/NDF: 43.1/39

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 45.830+/-367.334 χ^2/NDF:43.2/35

Out: 414.816+/-371.666 χ^2/NDF:32.2/37

All: 228.161+/-261.263 χ^2/NDF: 75.8/73



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: 1735.455+/-0.304 χ^2/NDF:2102.9/19

Left: 1734.024+/-0.216 χ^2/NDF: 2880.4/39

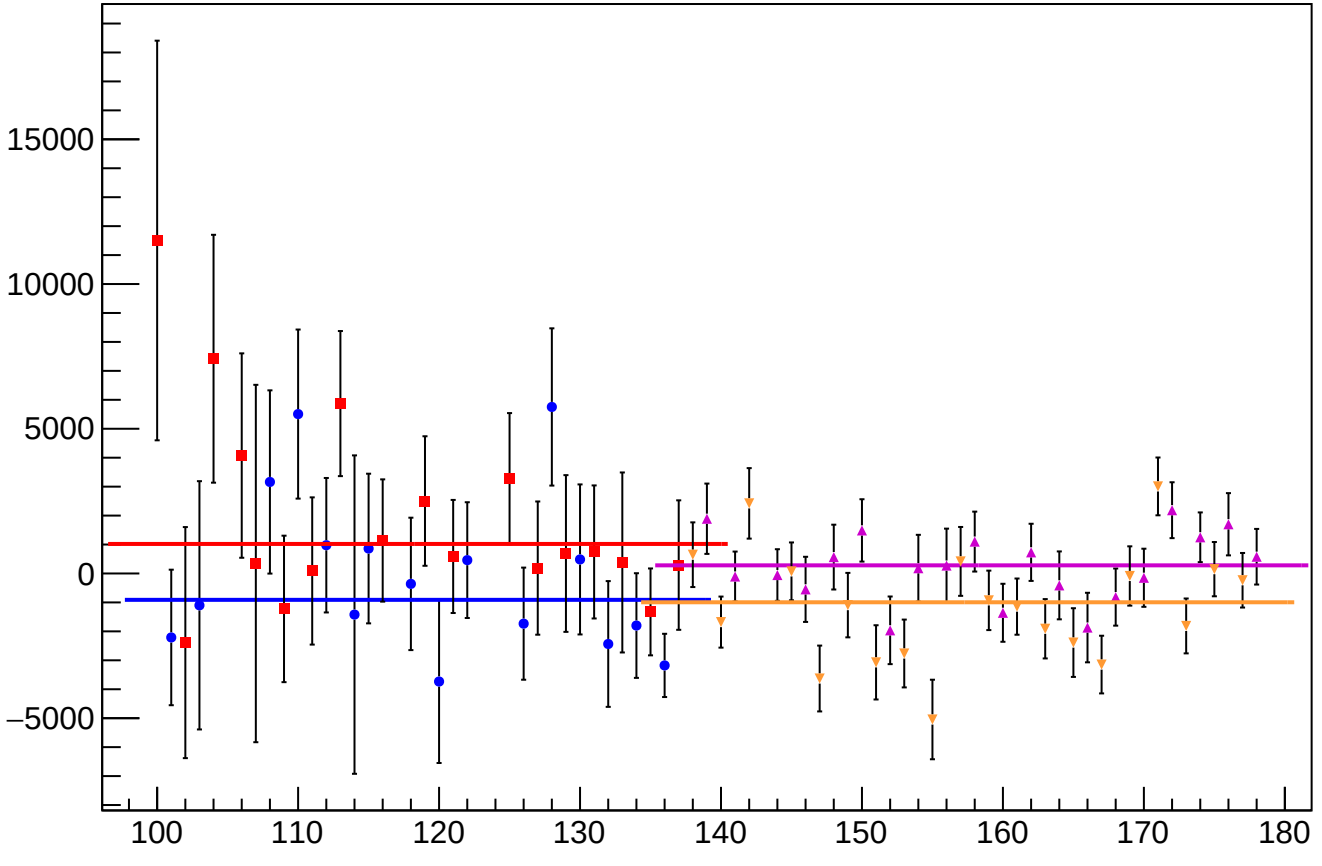
Right: 1881.894+/-0.356 χ^2/NDF: 946264.8/33

In: 1770.251+/-0.260 χ^2/NDF:726186.3/35

Out: 1777.366+/-0.263 χ^2/NDF:348502.1/37

All: 1773.767+/-0.185 χ^2/NDF: 1075059.2/73

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: 280.788+/-231.877 χ^2/NDF:23.1/19

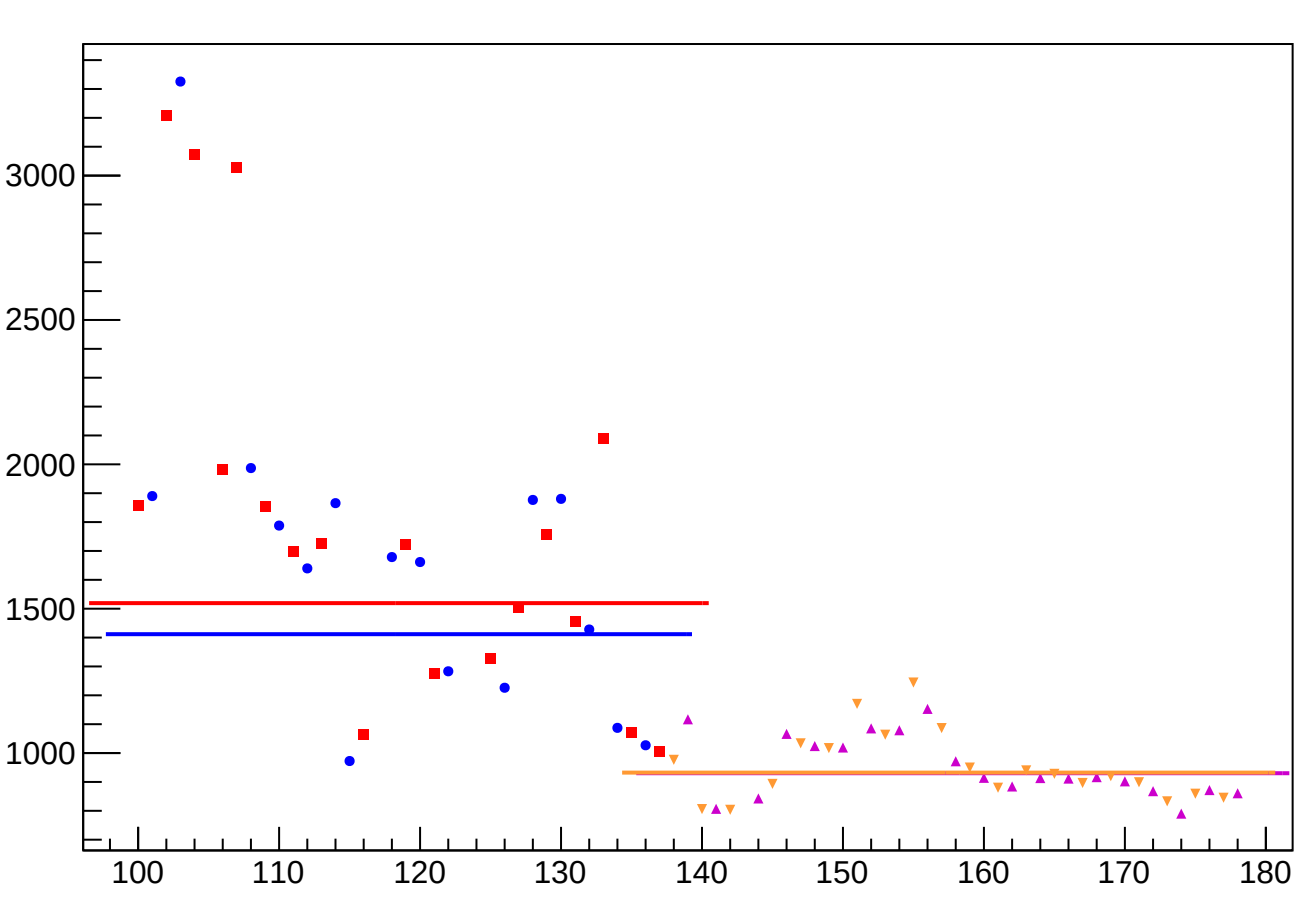
Left: -345.368+/-165.474 χ^2/NDF: 96.8/39

Right: -14.232+/-403.141 χ^2/NDF: 41.6/33

In: 101.397+/-213.713 χ^2/NDF:48.1/35

Out: -718.065+/-219.375 χ^2/NDF:83.7/37

All: -297.623+/-153.081 χ^2/NDF: 139.0/73



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: 930.206+/-0.164 χ^2/NDF:382740.2/19

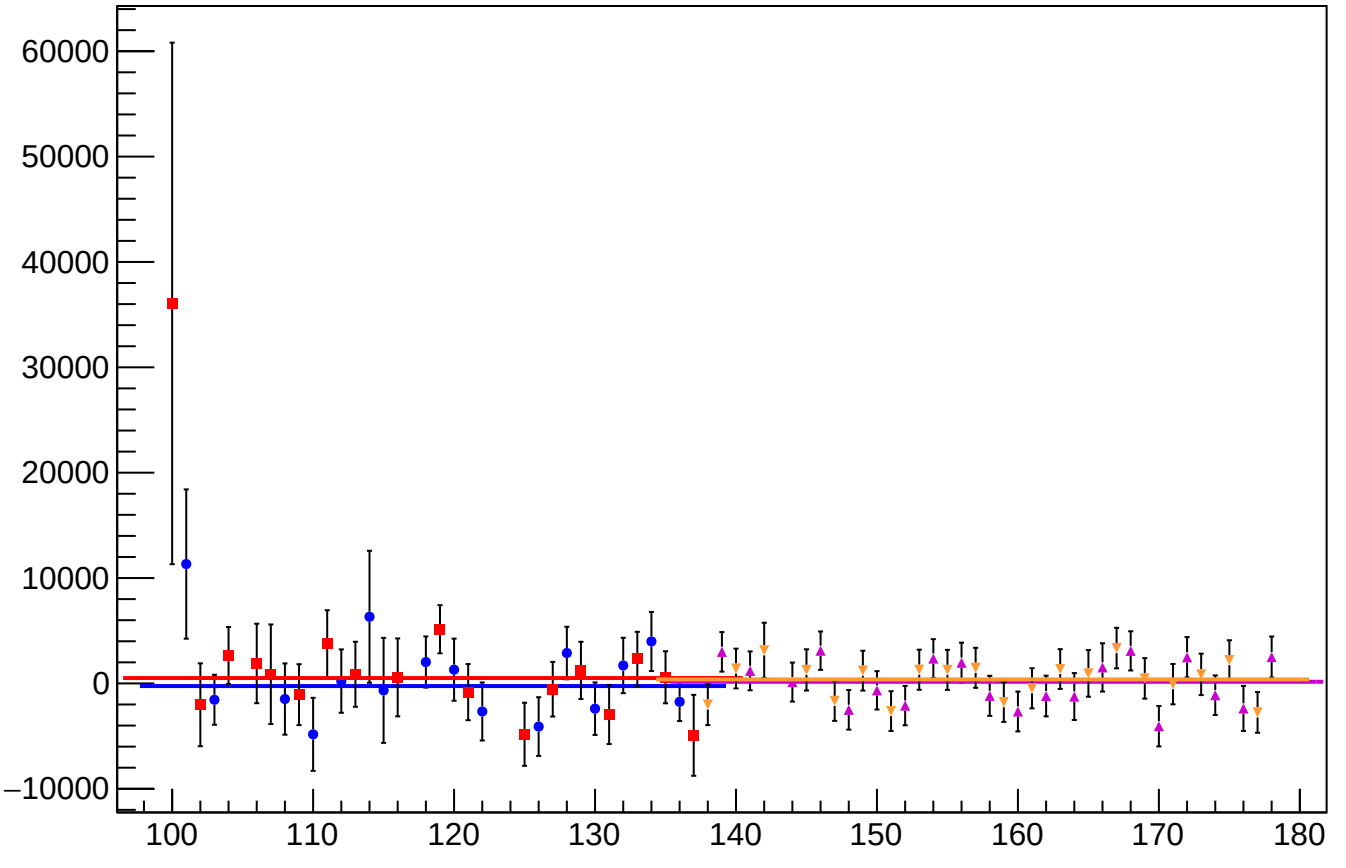
Left: 931.262+/-0.117 χ^2/NDF: 773514.2/39

Right: 1461.694+/-0.285 χ^2/NDF: 2573300.6/33

In: 1002.692+/-0.151 χ^2/NDF:2858865.2/35

Out: 1013.065+/-0.155 χ^2/NDF:3448805.0/37

All: 1007.743+/-0.108 χ^2/NDF: 6309964.4/73



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: 154.711+/-429.255 χ^2/NDF:27.3/19

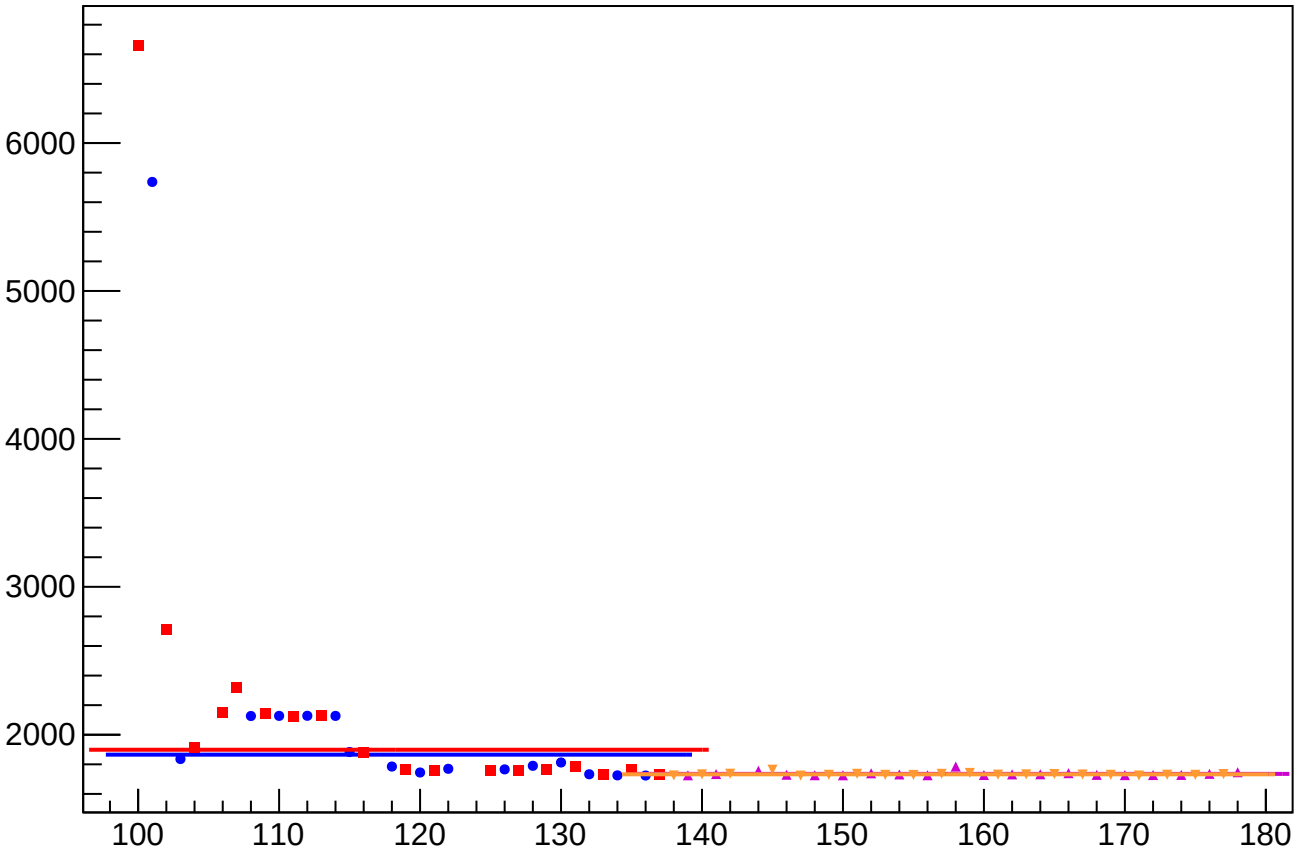
Left: 265.665+/-305.527 χ^2/NDF: 43.1/39

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 45.831+/-367.334 χ^2/NDF:43.2/35

Out: 414.816+/-371.666 χ^2/NDF:32.2/37

All: 228.160+/-261.263 χ^2/NDF: 75.8/73



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: 1735.455+/-0.304 χ^2/NDF:2102.9/19

Left: 1734.024+/-0.216 χ^2/NDF: 2880.4/39

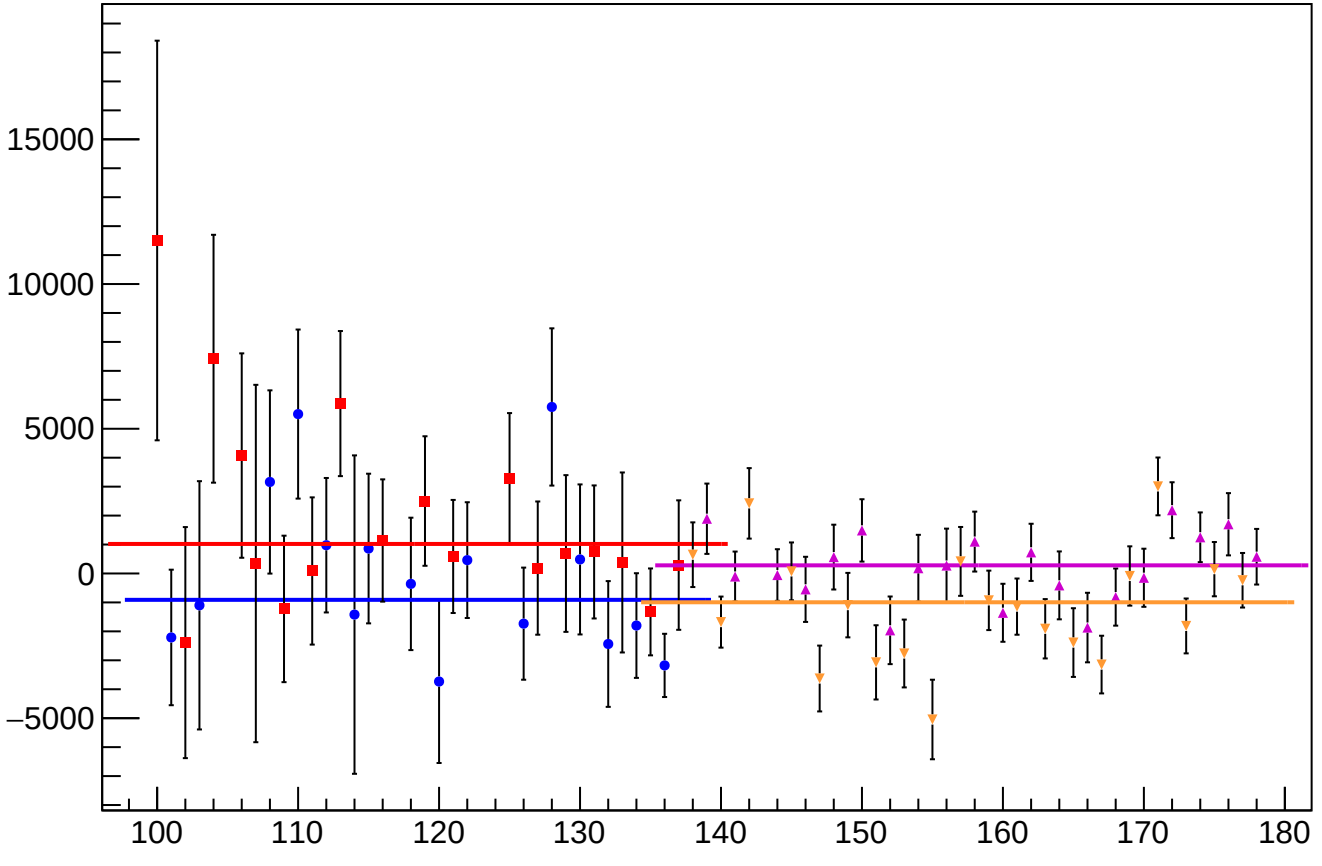
Right: 1881.894+/-0.356 χ^2/NDF: 946264.6/33

In: 1770.251+/-0.260 χ^2/NDF:726186.3/35

Out: 1777.366+/-0.263 χ^2/NDF:348501.8/37

All: 1773.767+/-0.185 χ^2/NDF: 1075058.9/73

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: 280.787+/-231.877 χ^2/NDF:23.1/19

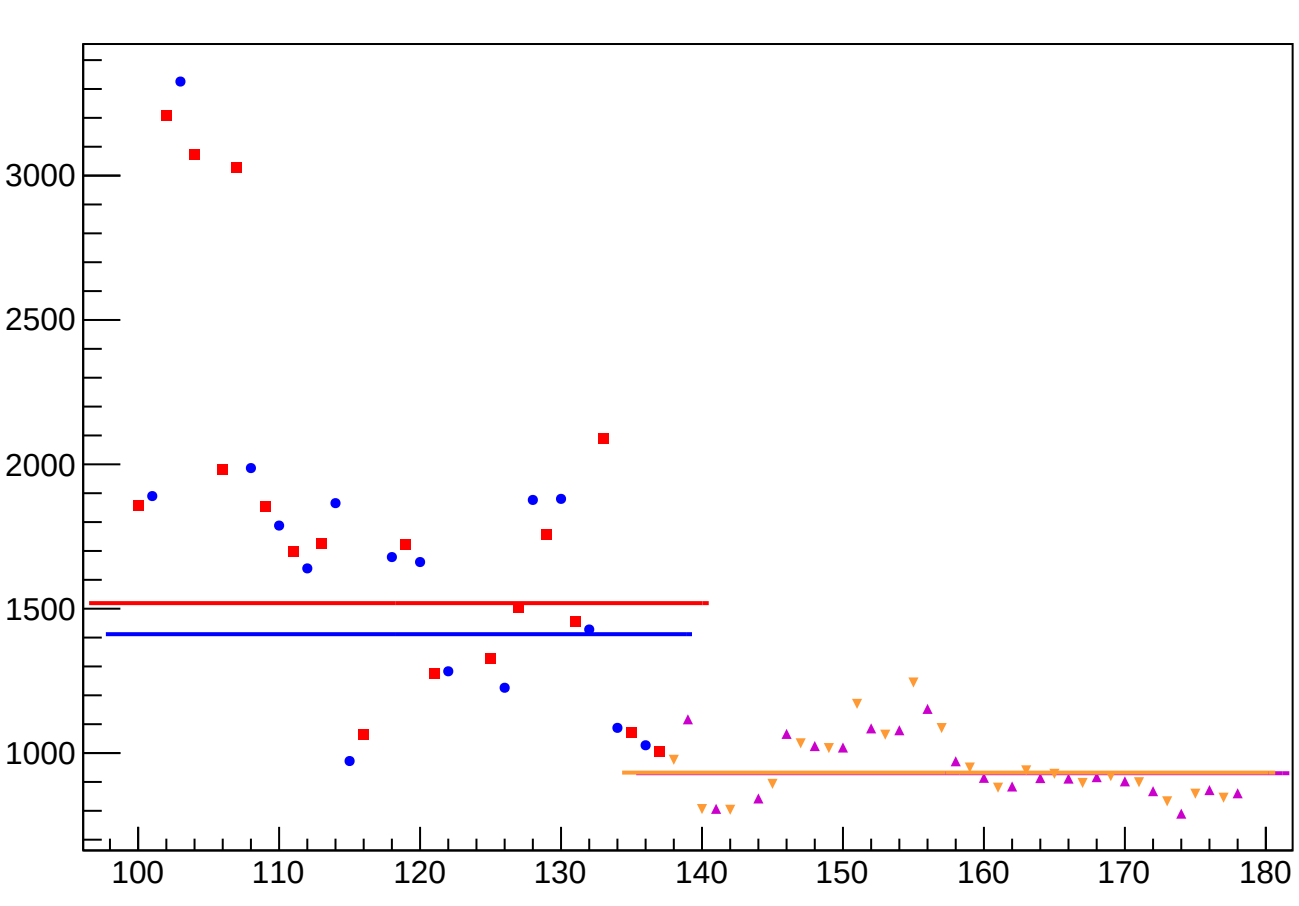
Left: -345.369+/-165.474 χ^2/NDF: 96.8/39

Right: -14.230+/-403.141 χ^2/NDF: 41.6/33

In: 101.396+/-213.713 χ^2/NDF:48.1/35

Out: -718.064+/-219.375 χ^2/NDF:83.7/37

All: -297.623+/-153.081 χ^2/NDF: 139.0/73



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 932.356+/-0.167 χ^2/NDF:390697.9/19

Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

Left In: 930.206+/-0.164 χ^2/NDF:382748.8/19

Left: 931.261+/-0.117 χ^2/NDF: 773531.1/39

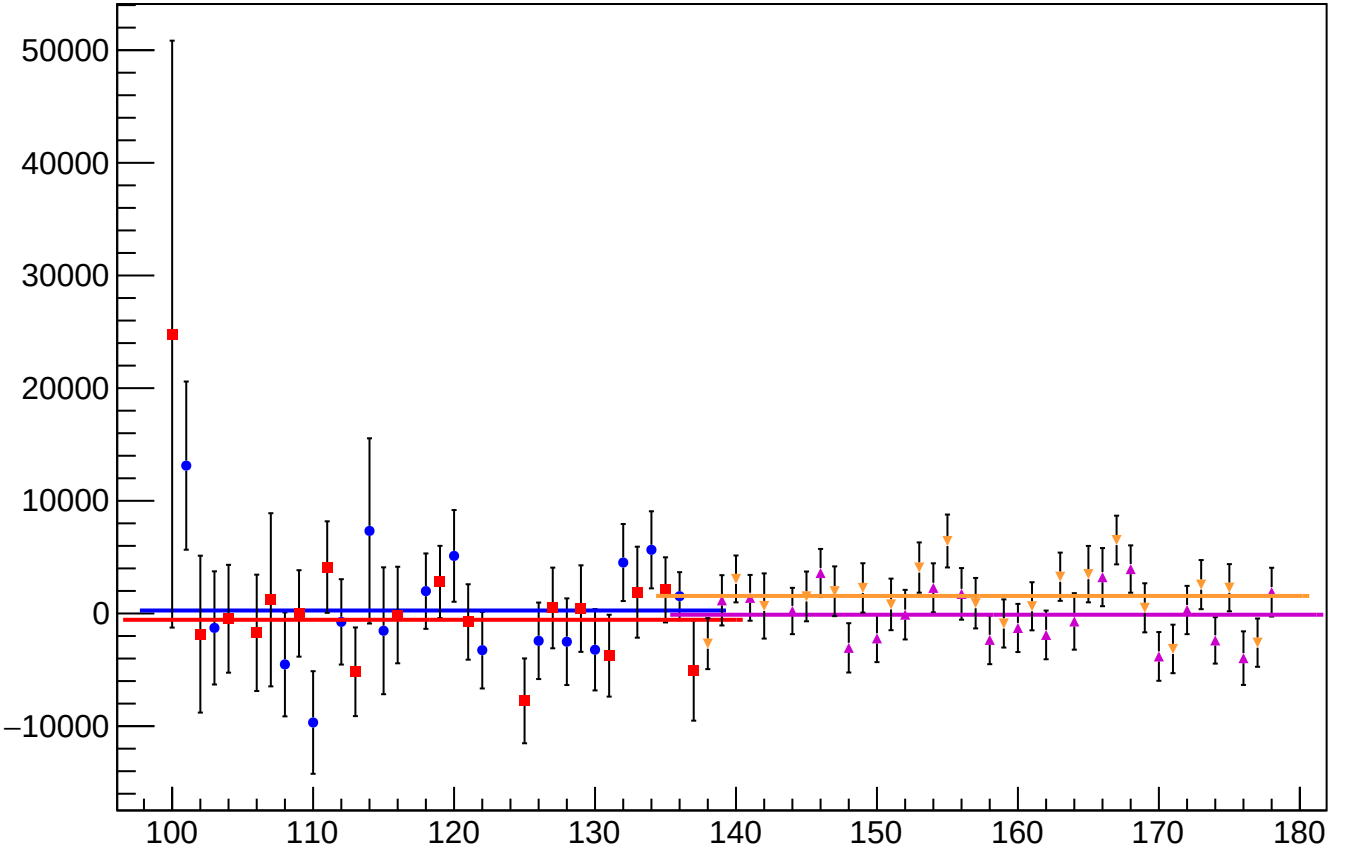
Right: 1461.691+/-0.285 χ^2/NDF: 2573306.2/33

In: 1002.692+/-0.151 χ^2/NDF:2858862.7/35

Out: 1013.065+/-0.155 χ^2/NDF:3448808.7/37

All: 1007.743+/-0.108 χ^2/NDF: 6309965.6/73

asym_us_dd_at1lr_dd_dd_mean vs Slug, Sign Corrected



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 1557.515+/-496.854 χ^2/NDF:27.1/19

Right Out: -560.962+/-962.943 χ^2/NDF: 11.7/17

Left In: -111.549+/-489.108 χ^2/NDF:23.7/19

Left: 709.870+/-348.558 χ^2/NDF: 56.6/39

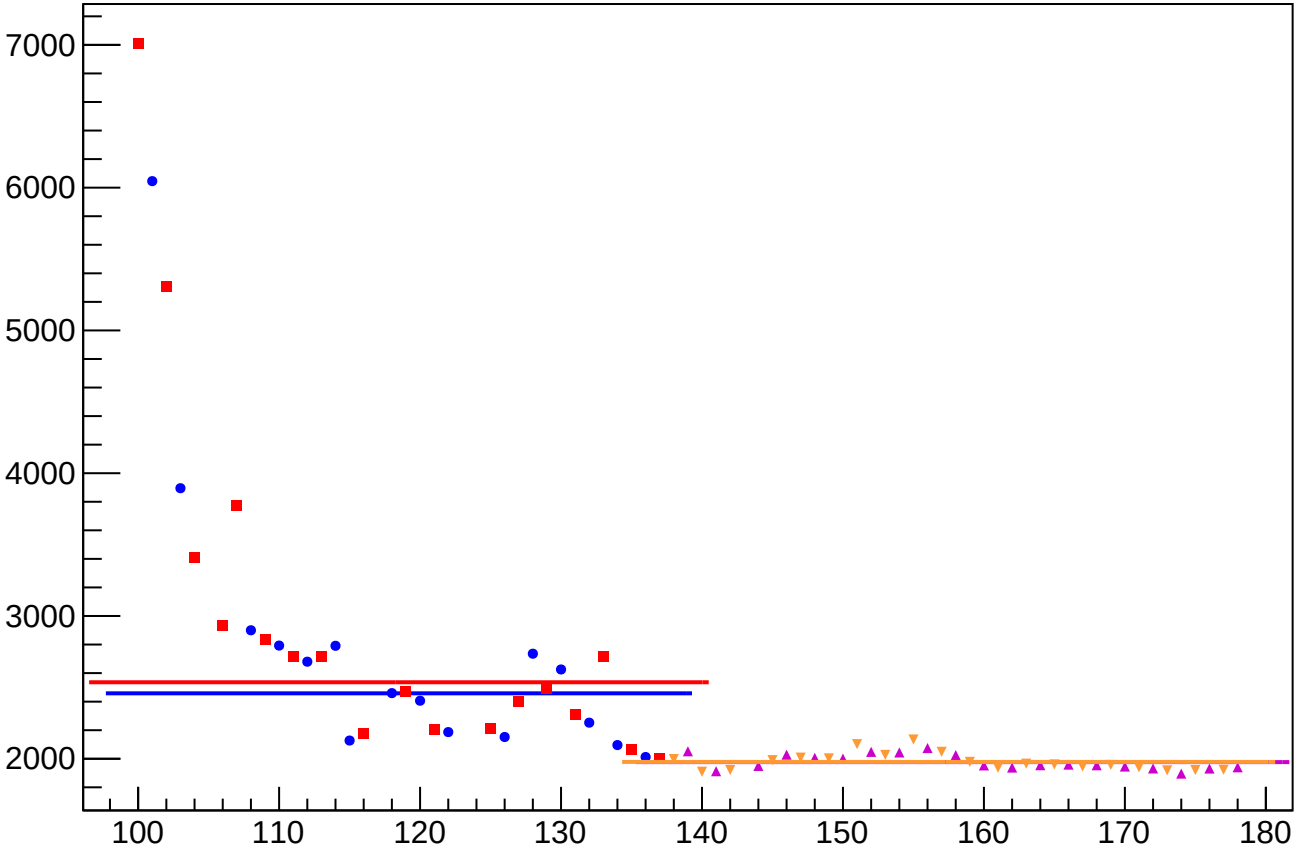
Right: -139.208+/-673.369 χ^2/NDF: 31.2/33

In: -31.719+/-434.081 χ^2/NDF:42.9/35

Out: 1112.096+/-441.543 χ^2/NDF:42.7/37

All: 530.442+/-309.546 χ^2/NDF: 89.0/73

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: 1976.601+/-0.346 χ^2/NDF:22181.5/19

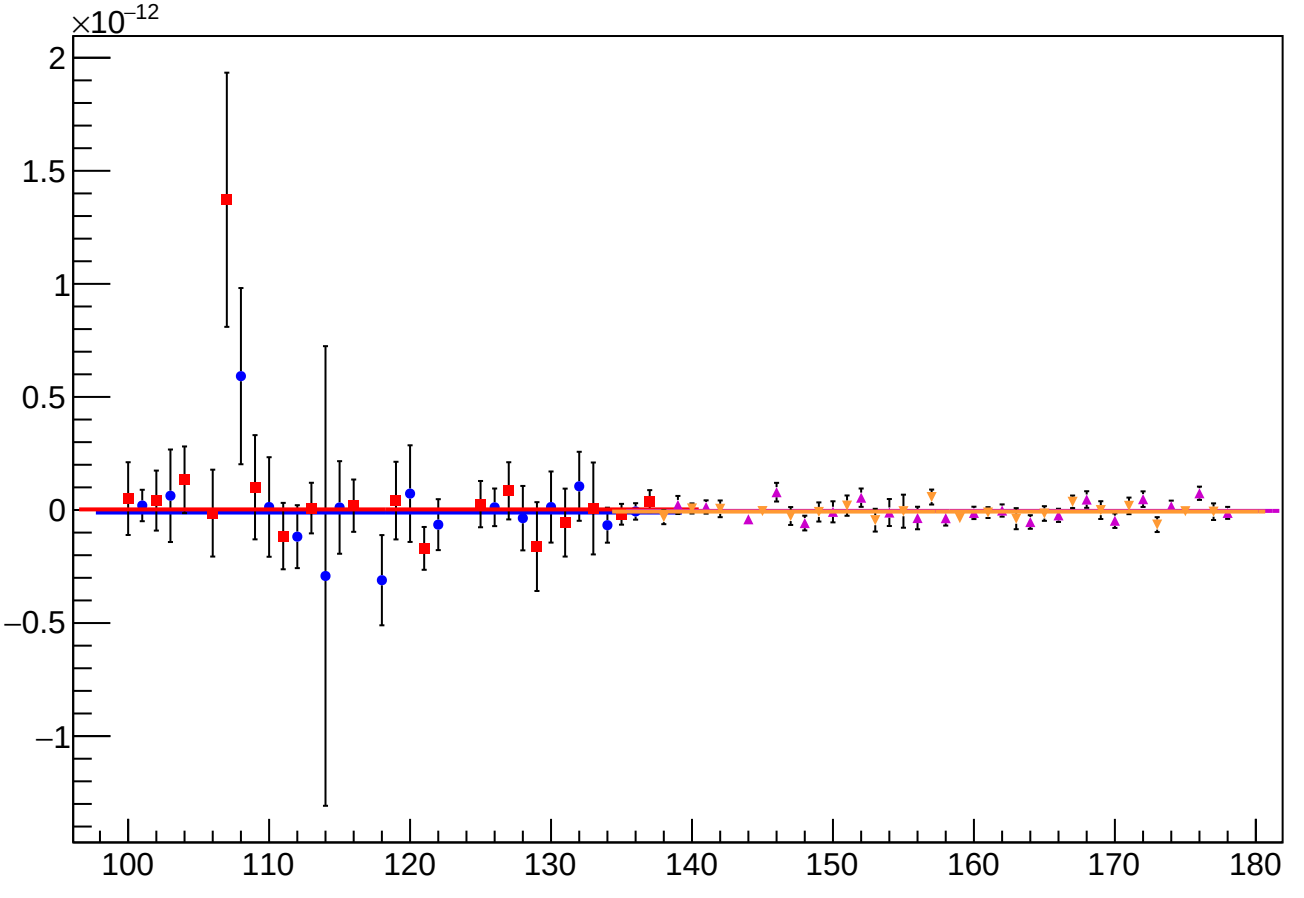
Left: 1977.254+/-0.246 χ^2/NDF: 50224.5/39

Right: 2496.205+/-0.476 χ^2/NDF: 1512837.3/33

In: 2078.898+/-0.307 χ^2/NDF:1267061.4/35

Out: 2095.219+/-0.312 χ^2/NDF:1231477.6/37

All: 2086.919+/-0.219 χ^2/NDF: 2499928.7/73



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:31.1/19

Left: -0.000+/-0.000 χ^2/NDF: 45.5/39

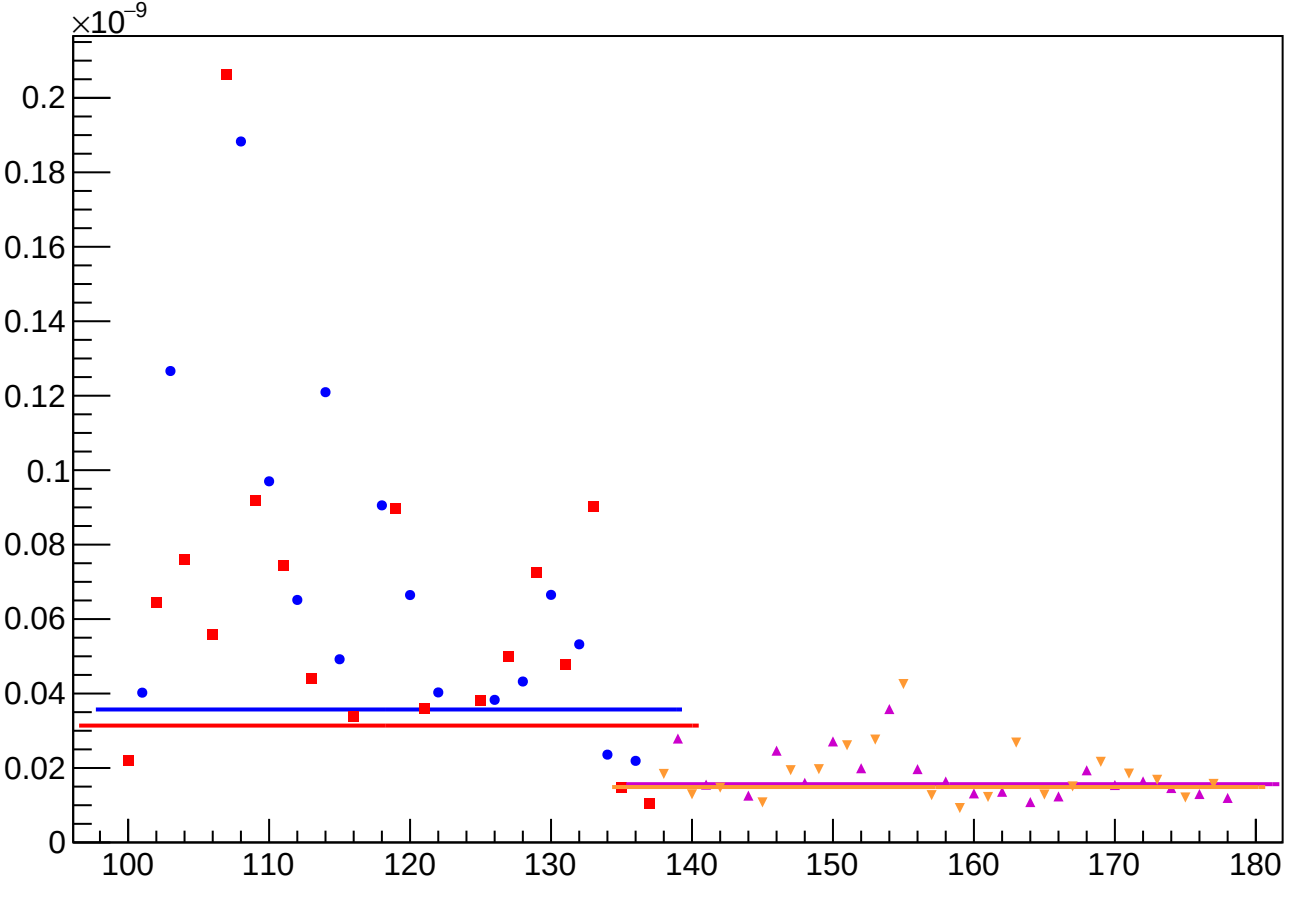
Right: -0.000+/-0.000 χ^2/NDF: 20.7/33

In: -0.000+/-0.000 χ^2/NDF:38.5/35

Out: -0.000+/-0.000 χ^2/NDF:27.6/37

All: -0.000+/-0.000 χ^2/NDF: 66.2/73

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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:897337.3/19

Left: 0.000+/-0.000 χ^2/NDF: 2041097.7/39

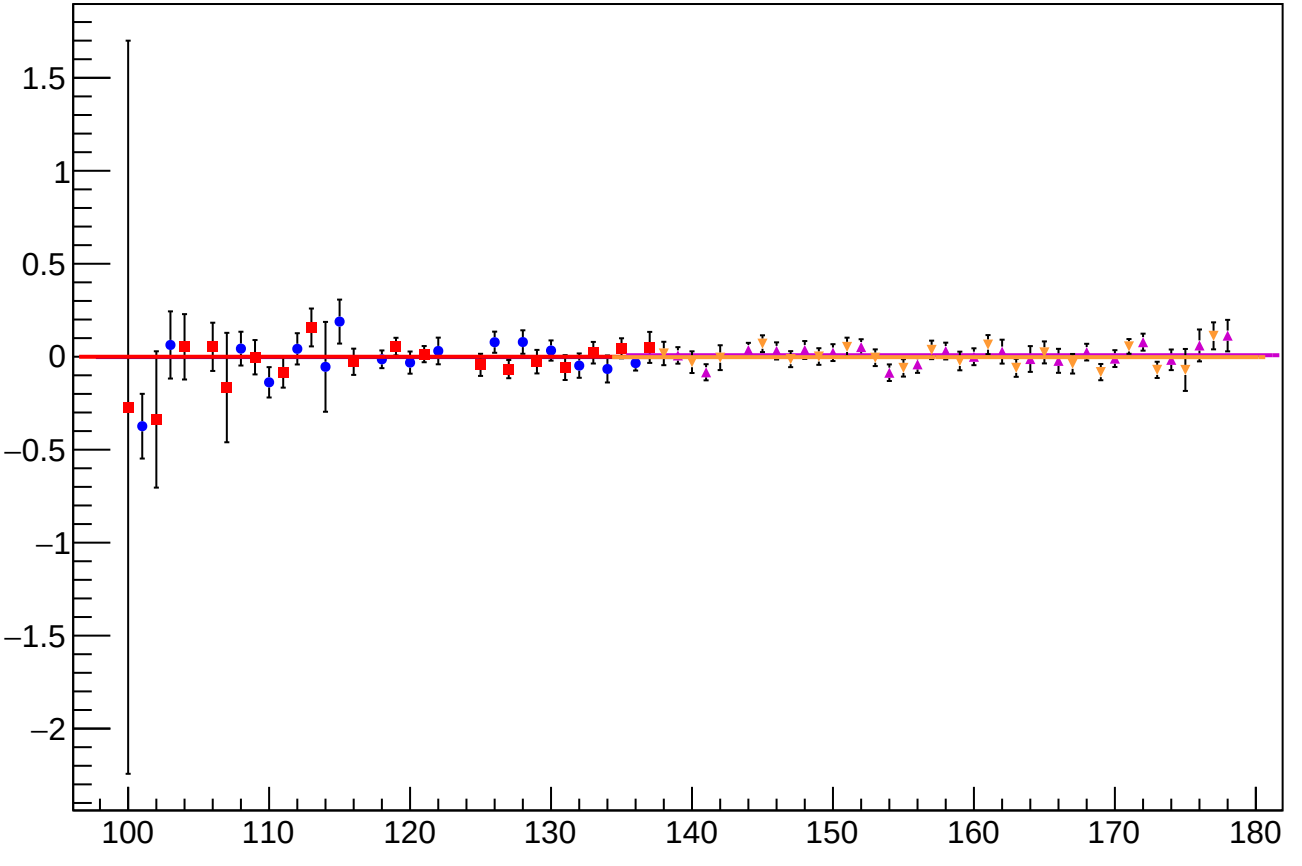
Right: 0.000+/-0.000 χ^2/NDF: 3719751.0/33

In: 0.000+/-0.000 χ^2/NDF:3751472.8/35

Out: 0.000+/-0.000 χ^2/NDF:4049614.1/37

All: 0.000+/-0.000 χ^2/NDF: 7827751.4/73

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.002+/-0.011 χ^2/NDF:21.1/19

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.008+/-0.011 χ^2/NDF:17.8/19

Left: 0.003+/-0.008 χ^2/NDF: 39.3/39

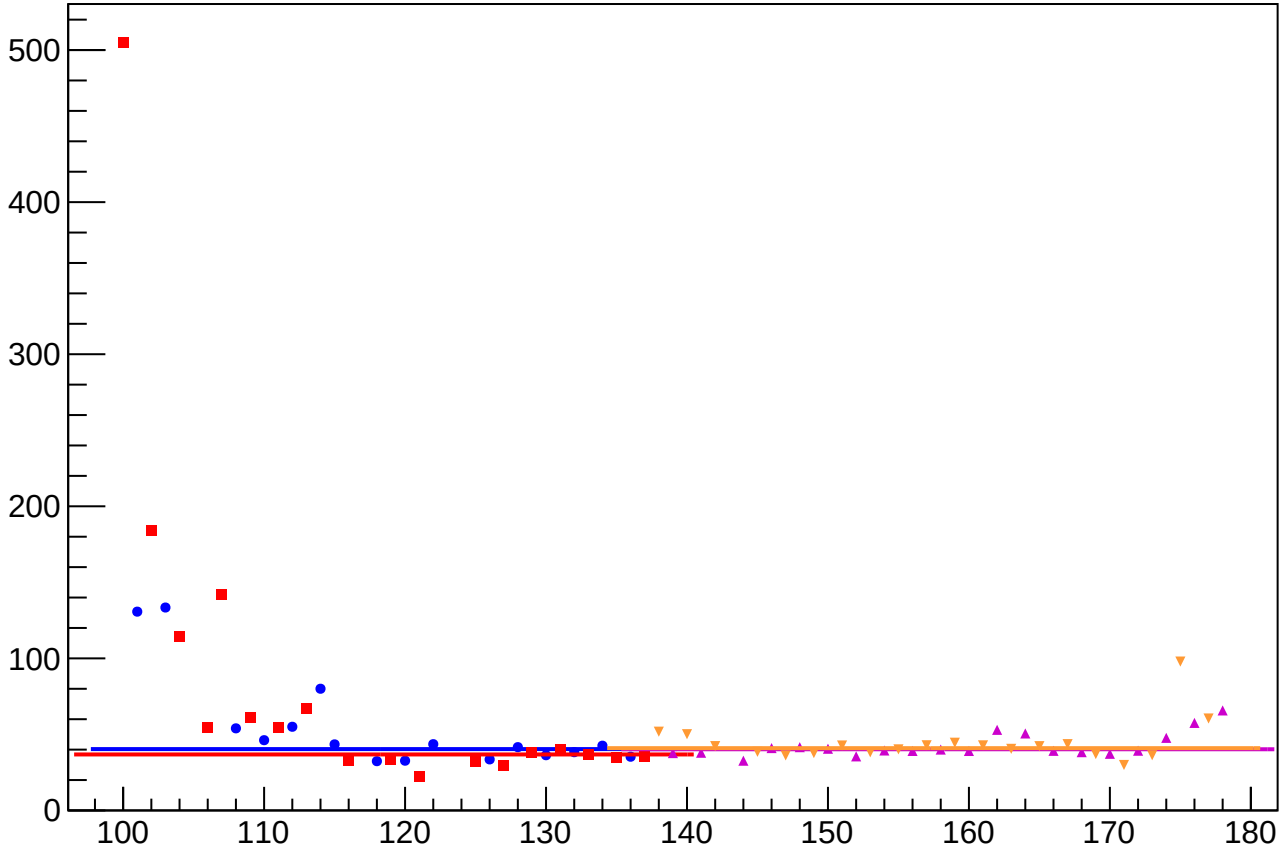
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.005+/-0.009 χ^2/NDF:35.2/35

Out: -0.002+/-0.009 χ^2/NDF:32.0/37

All: 0.002+/-0.007 χ^2/NDF: 67.5/73

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: 40.239+/-0.008 χ^2/NDF:554297.8/19

Left: 40.588+/-0.006 χ^2/NDF: 1589671.7/39

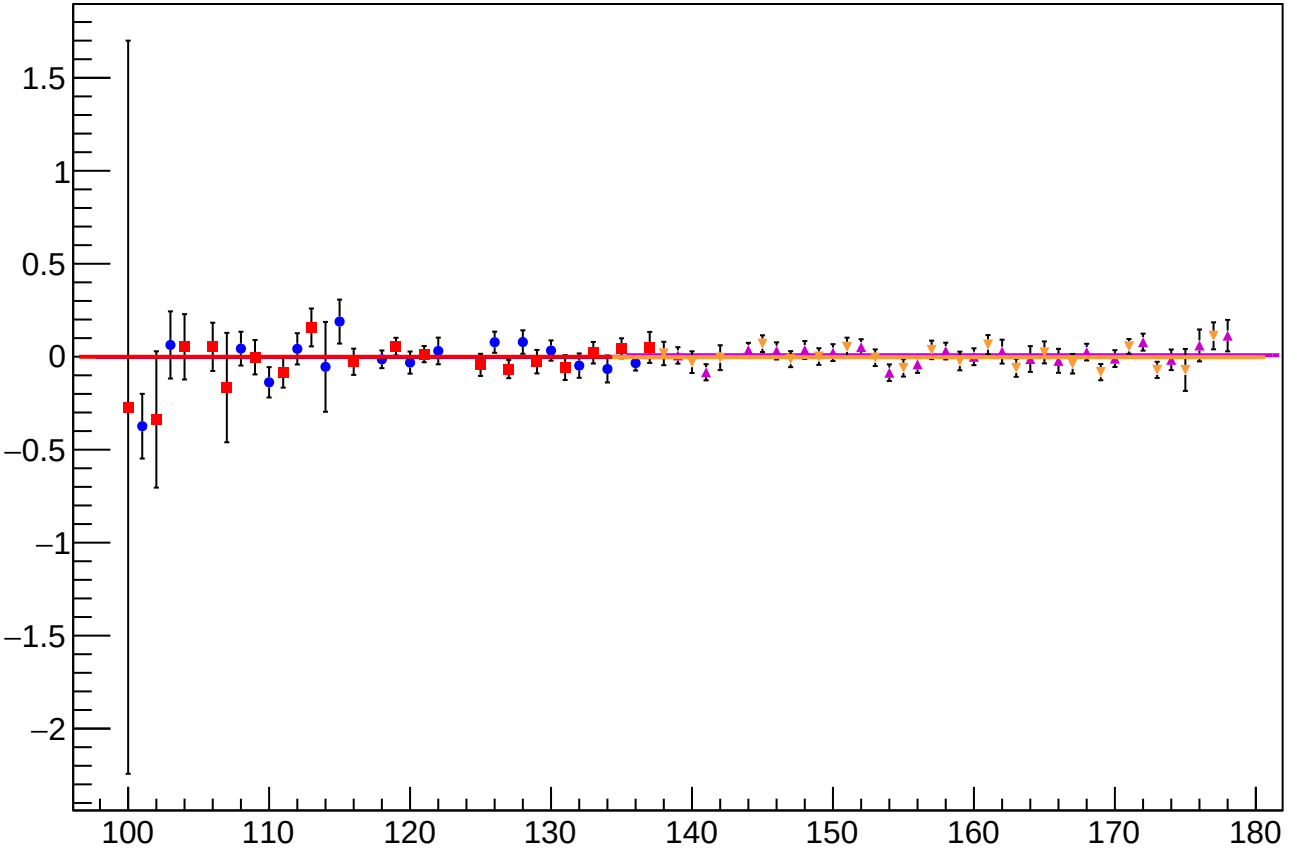
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 40.272+/-0.007 χ^2/NDF:1964496.5/35

Out: 39.662+/-0.007 χ^2/NDF:2952755.5/37

All: 39.971+/-0.005 χ^2/NDF: 4921578.0/73

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: 0.008+/-0.011 χ^2/NDF:17.8/19

Left: 0.003+/-0.008 χ^2/NDF: 39.3/39

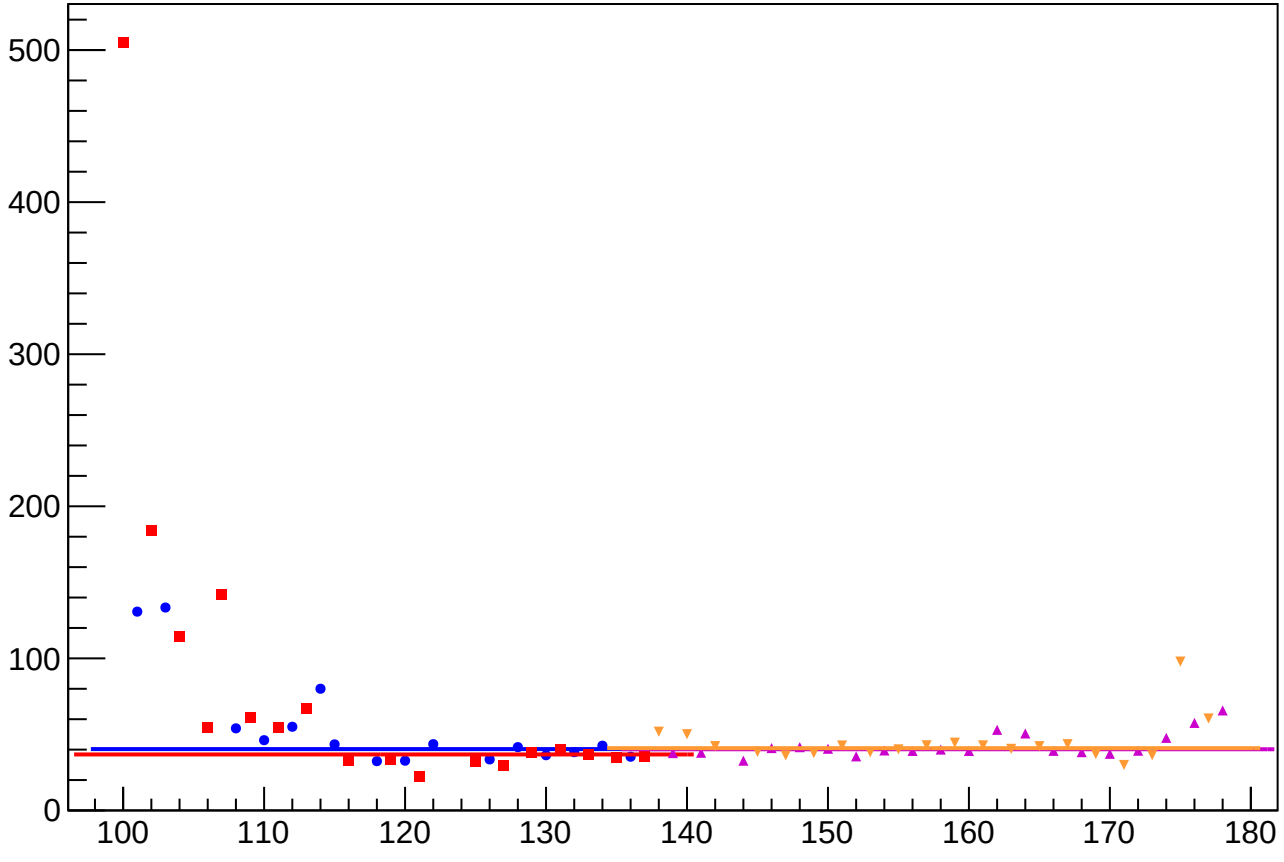
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.005+/-0.009 χ^2/NDF:35.2/35

Out: -0.002+/-0.009 χ^2/NDF:32.0/37

All: 0.002+/-0.007 χ^2/NDF: 67.5/73

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: 40.239+/-0.008 χ^2/NDF:554297.8/19

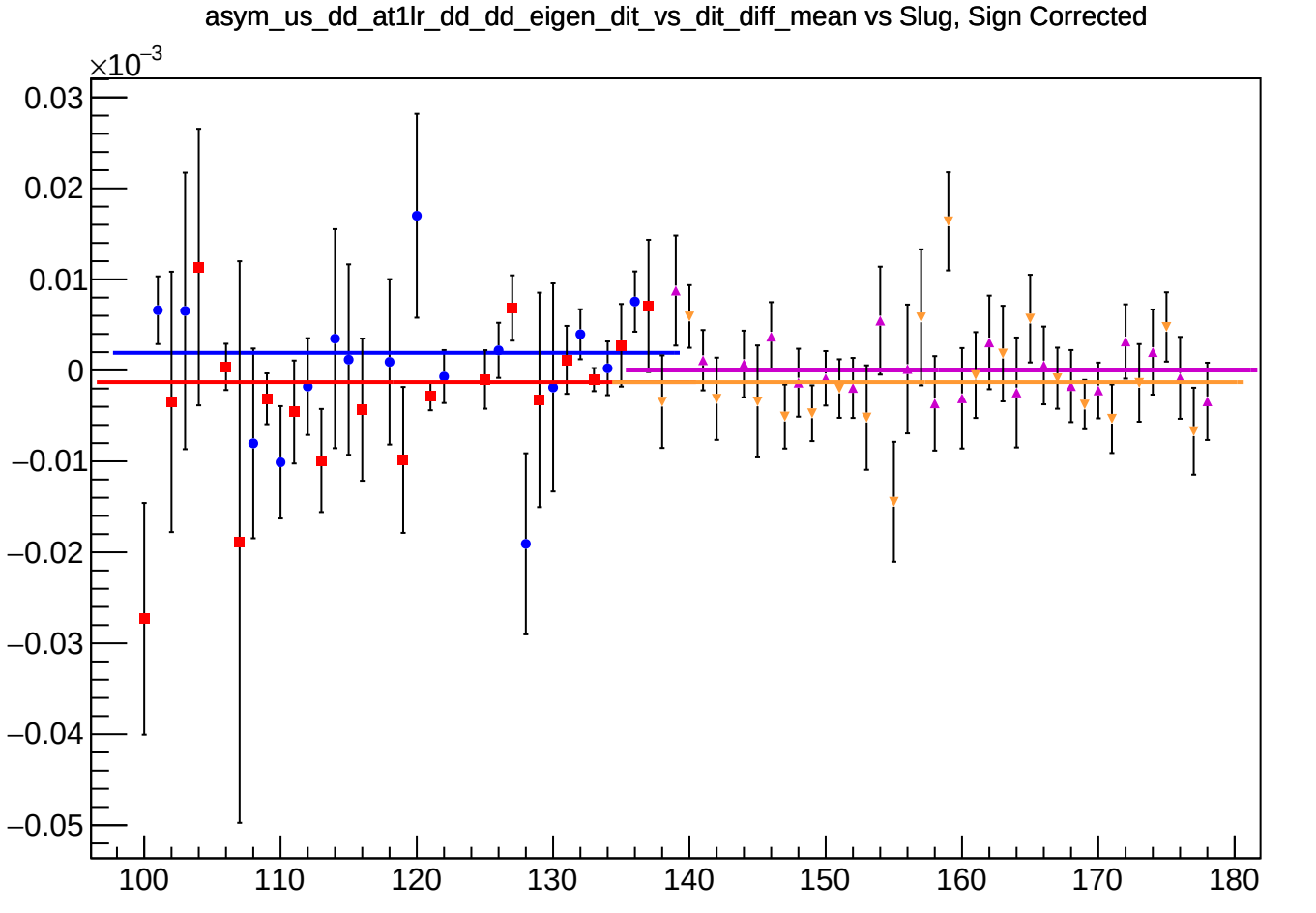
Left: 40.588+/-0.006 χ^2/NDF: 1589671.7/39

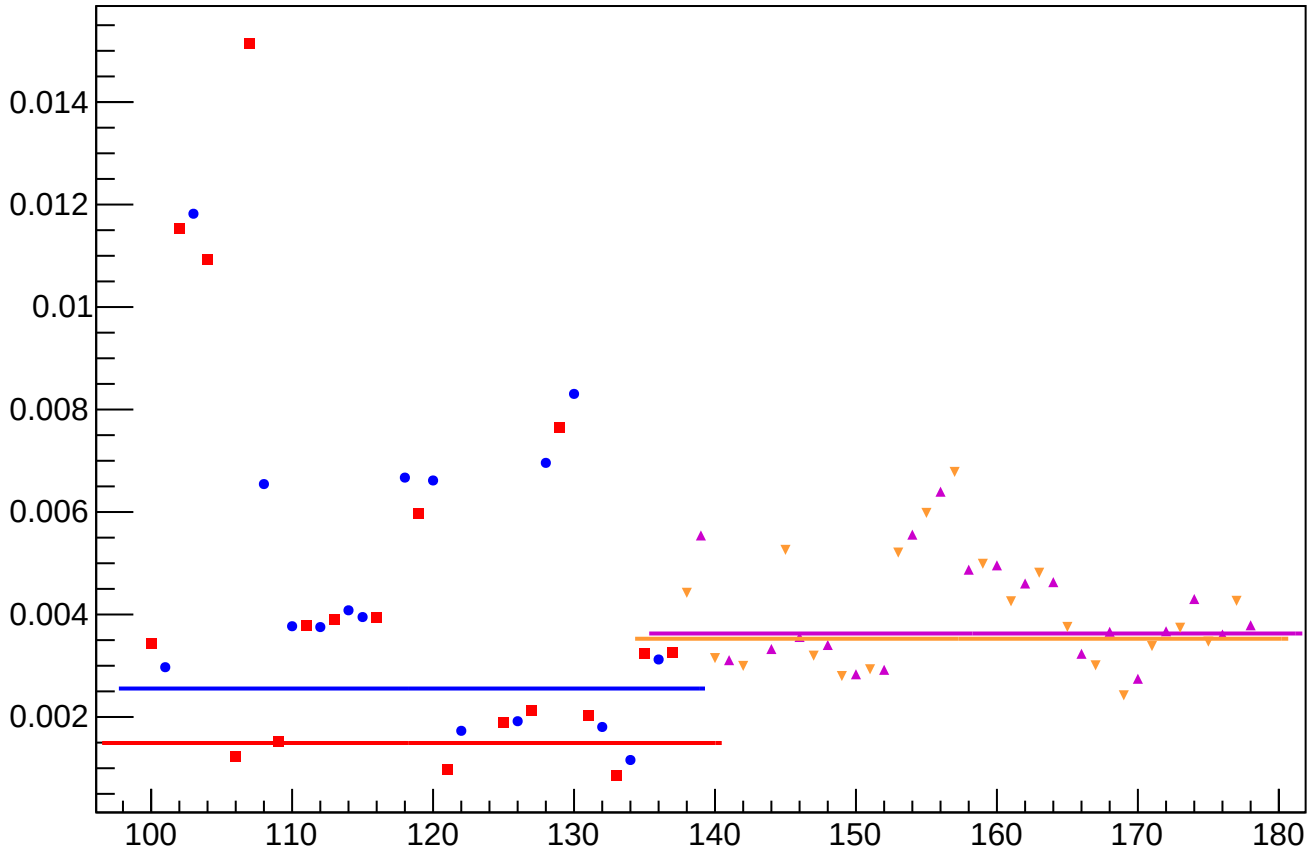
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 40.272+/-0.007 χ^2/NDF:1964496.5/35

Out: 39.662+/-0.007 χ^2/NDF:2952755.5/37

All: 39.971+/-0.005 χ^2/NDF: 4921578.0/73


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 17.9/15
Left Out: -0.000+/-0.000 χ²/NDF:31.7/19
Right Out: -0.000+/-0.000 χ²/NDF: 18.9/17
Left In: -0.000+/-0.000 χ²/NDF:8.1/19
Left: -0.000+/-0.000 χ²/NDF: 40.8/39
Right: -0.000+/-0.000 χ²/NDF: 42.3/33
In: 0.000+/-0.000 χ²/NDF:27.7/35
Out: -0.000+/-0.000 χ²/NDF:50.6/37
All: -0.000+/-0.000 χ²/NDF: 83.2/73



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:1608243.8/19

Left: 0.004+/-0.000 χ^2/NDF: 3677142.3/39

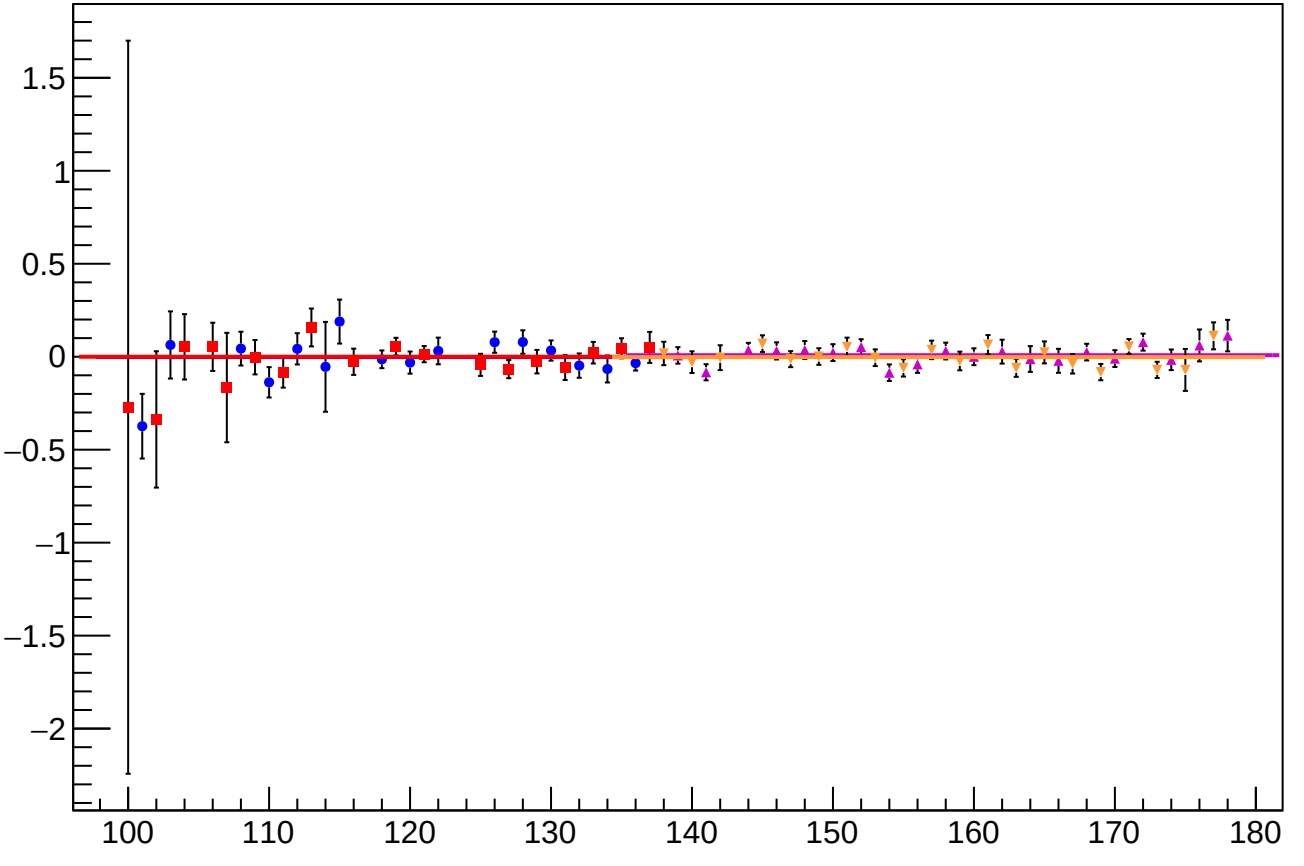
Right: 0.002+/-0.000 χ^2/NDF: 10553457.3/33

In: 0.003+/-0.000 χ^2/NDF:6454440.1/35

Out: 0.002+/-0.000 χ^2/NDF:13465791.4/37

All: 0.003+/-0.000 χ^2/NDF: 21790704.8/73

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: 0.008+/-0.011 χ^2/NDF:17.8/19

Left: 0.003+/-0.008 χ^2/NDF: 39.3/39

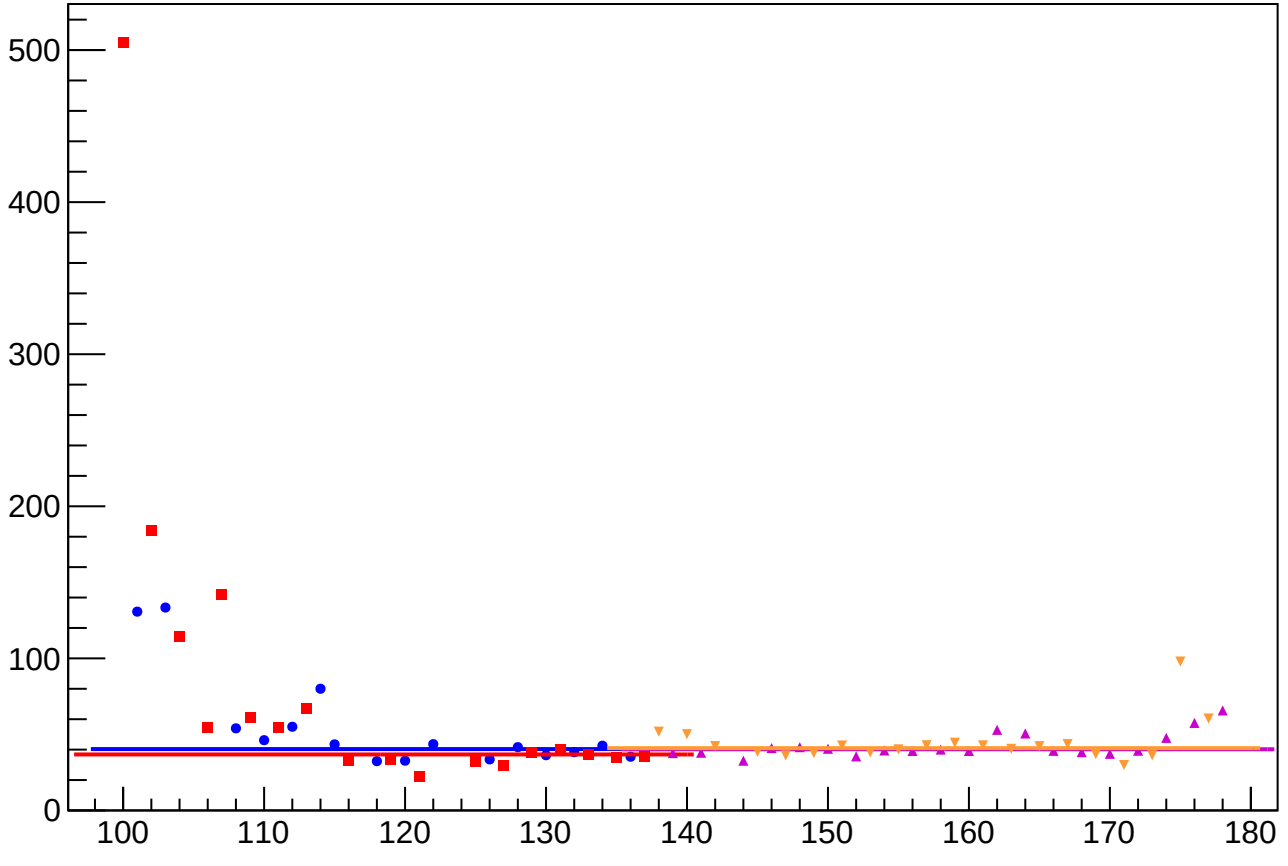
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.005+/-0.009 χ^2/NDF:35.2/35

Out: -0.002+/-0.009 χ^2/NDF:32.0/37

All: 0.002+/-0.007 χ^2/NDF: 67.5/73

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: 40.239+/-0.008 χ^2/NDF:554234.6/19

Left: 40.588+/-0.006 χ^2/NDF: 1589614.9/39

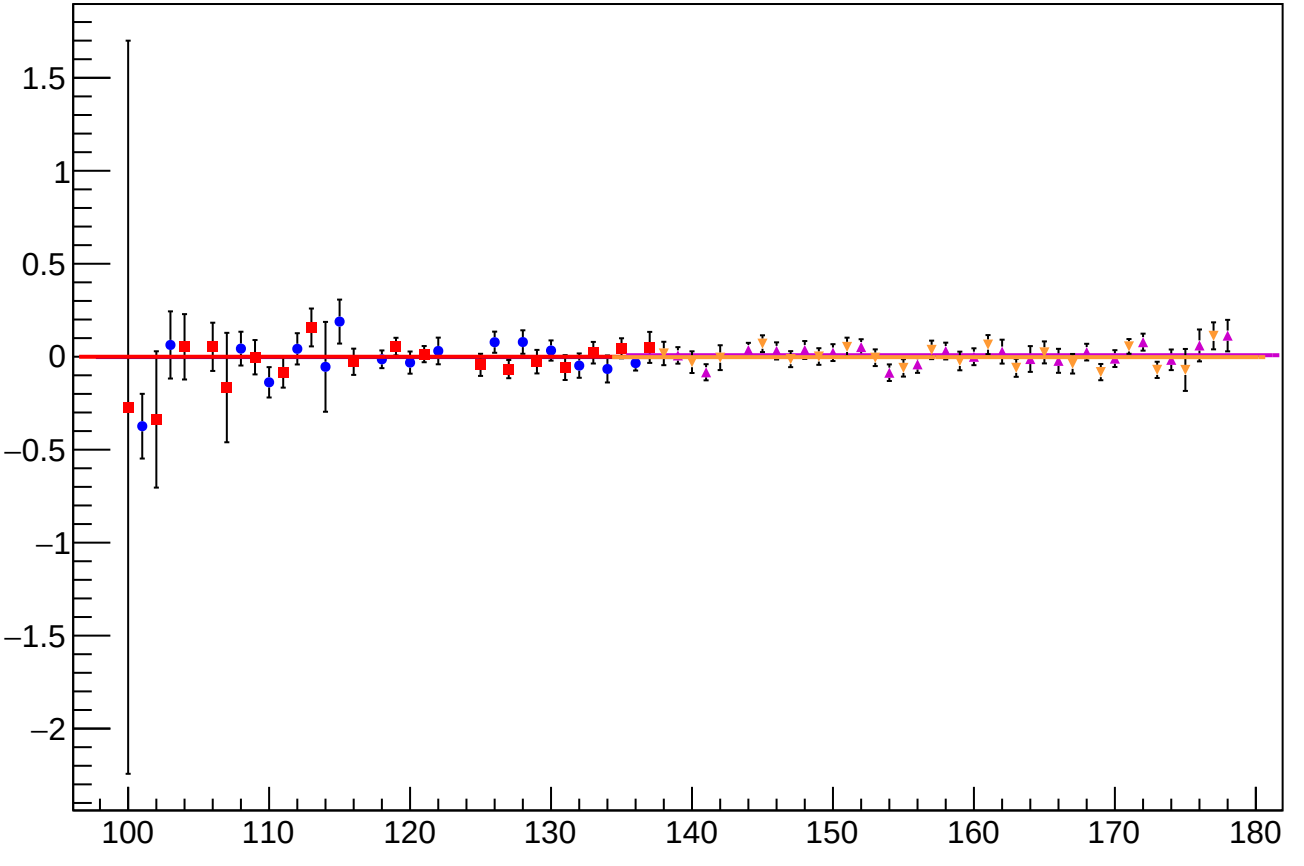
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 40.272+/-0.007 χ^2/NDF:1964333.7/35

Out: 39.661+/-0.007 χ^2/NDF:2952785.5/37

All: 39.971+/-0.005 χ^2/NDF: 4921452.6/73

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.002+/-0.011 χ^2/NDF:21.1/19

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.008+/-0.011 χ^2/NDF:17.8/19

Left: 0.003+/-0.008 χ^2/NDF: 39.3/39

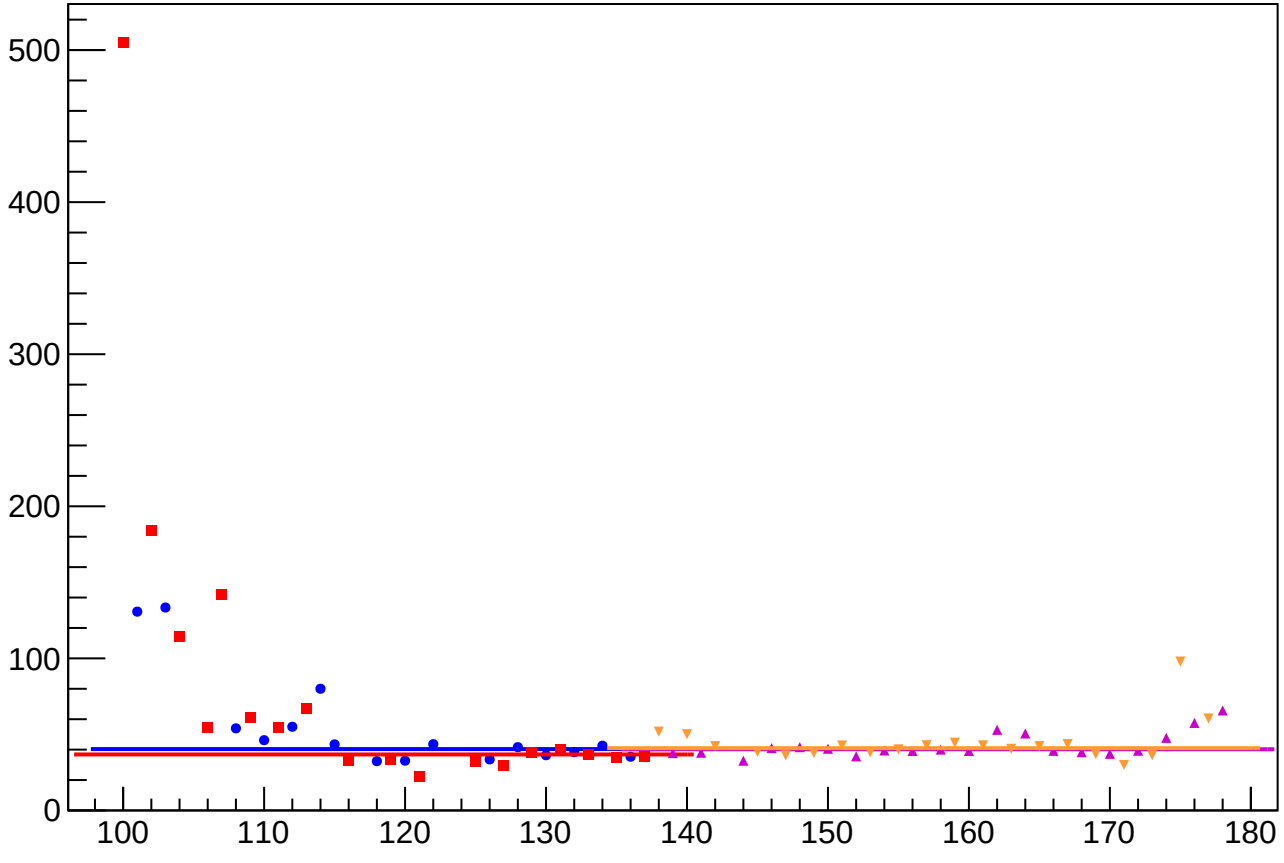
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.005+/-0.009 χ^2/NDF:35.2/35

Out: -0.002+/-0.009 χ^2/NDF:32.0/37

All: 0.002+/-0.007 χ^2/NDF: 67.5/73

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: 40.239+/-0.008 χ^2/NDF:554234.6/19

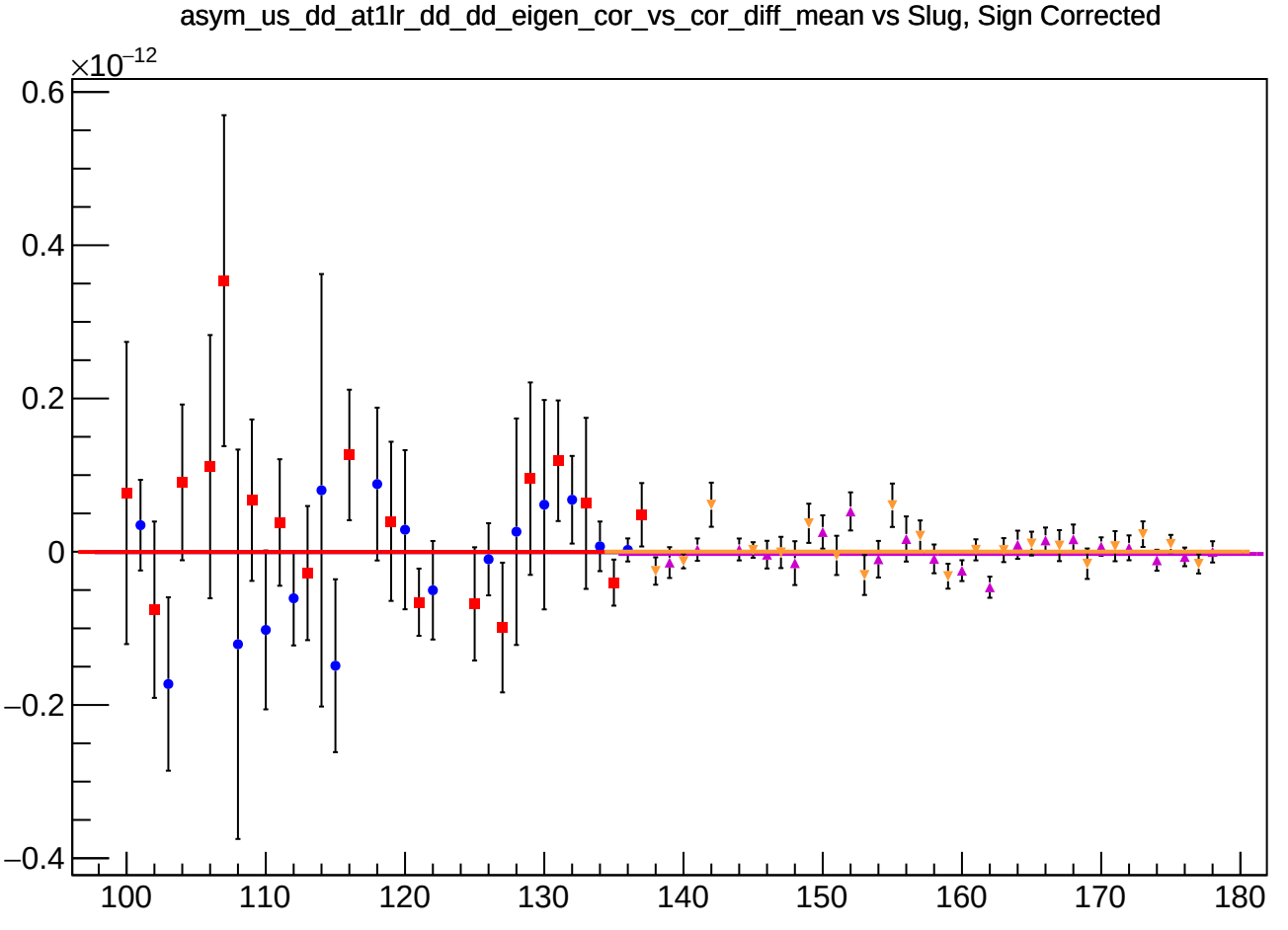
Left: 40.588+/-0.006 χ^2/NDF: 1589614.9/39

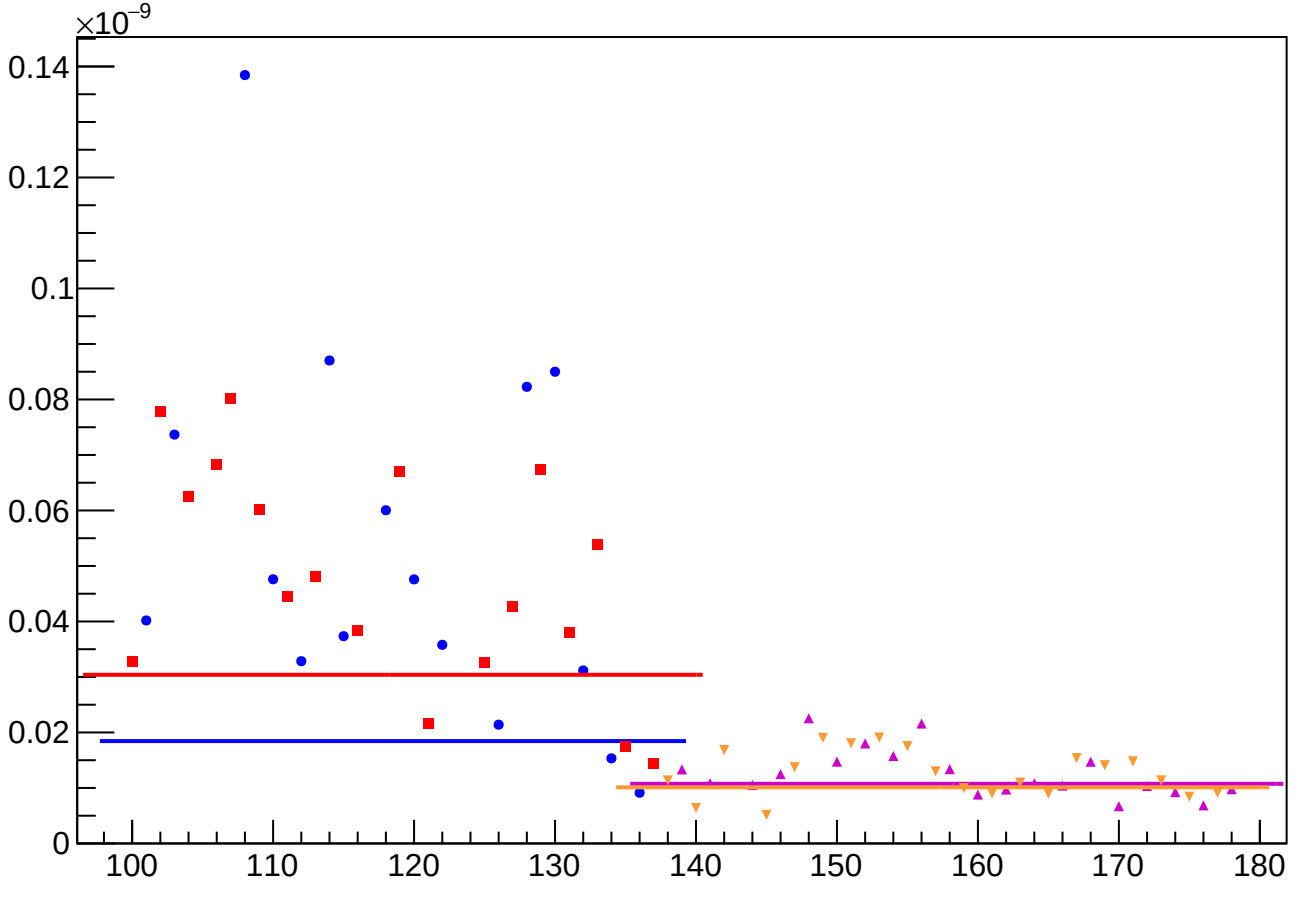
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 40.272+/-0.007 χ^2/NDF:1964333.7/35

Out: 39.661+/-0.007 χ^2/NDF:2952785.5/37

All: 39.971+/-0.005 χ^2/NDF: 4921452.6/73


asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 9.9/15
Left Out: 0.000+/-0.000 χ²/NDF:26.9/19
Right Out: -0.000+/-0.000 χ²/NDF: 18.4/17
Left In: -0.000+/-0.000 χ²/NDF:24.7/19
Left: -0.000+/-0.000 χ²/NDF: 51.9/39
Right: -0.000+/-0.000 χ²/NDF: 28.2/33
In: -0.000+/-0.000 χ²/NDF:34.6/35
Out: 0.000+/-0.000 χ²/NDF:45.2/37
All: -0.000+/-0.000 χ²/NDF: 80.1/73



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:1636152.6/19

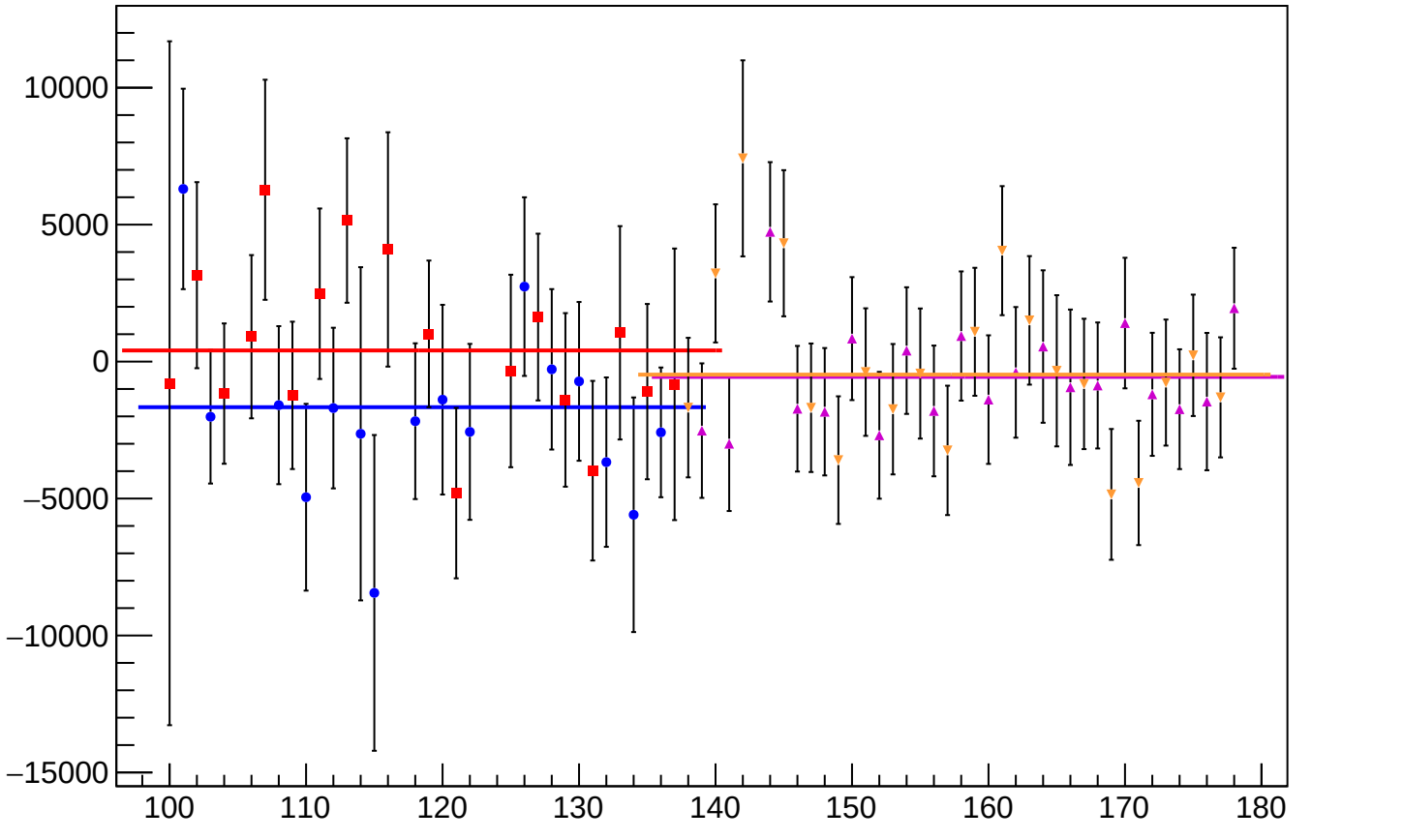
Left: 0.000+/-0.000 χ^2/NDF: 3916204.3/39

Right: 0.000+/-0.000 χ^2/NDF: 7115915.8/33

In: 0.000+/-0.000 χ^2/NDF:6464107.5/35

Out: 0.000+/-0.000 χ^2/NDF:7535137.8/37

All: 0.000+/-0.000 χ^2/NDF: 14014271.1/73



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: -476.025+/-539.441 χ^2/NDF:25.7/19

Right Out: 406.847+/-777.158 χ^2/NDF: 12.7/17

Left In: -558.116+/-531.803 χ^2/NDF:11.4/19

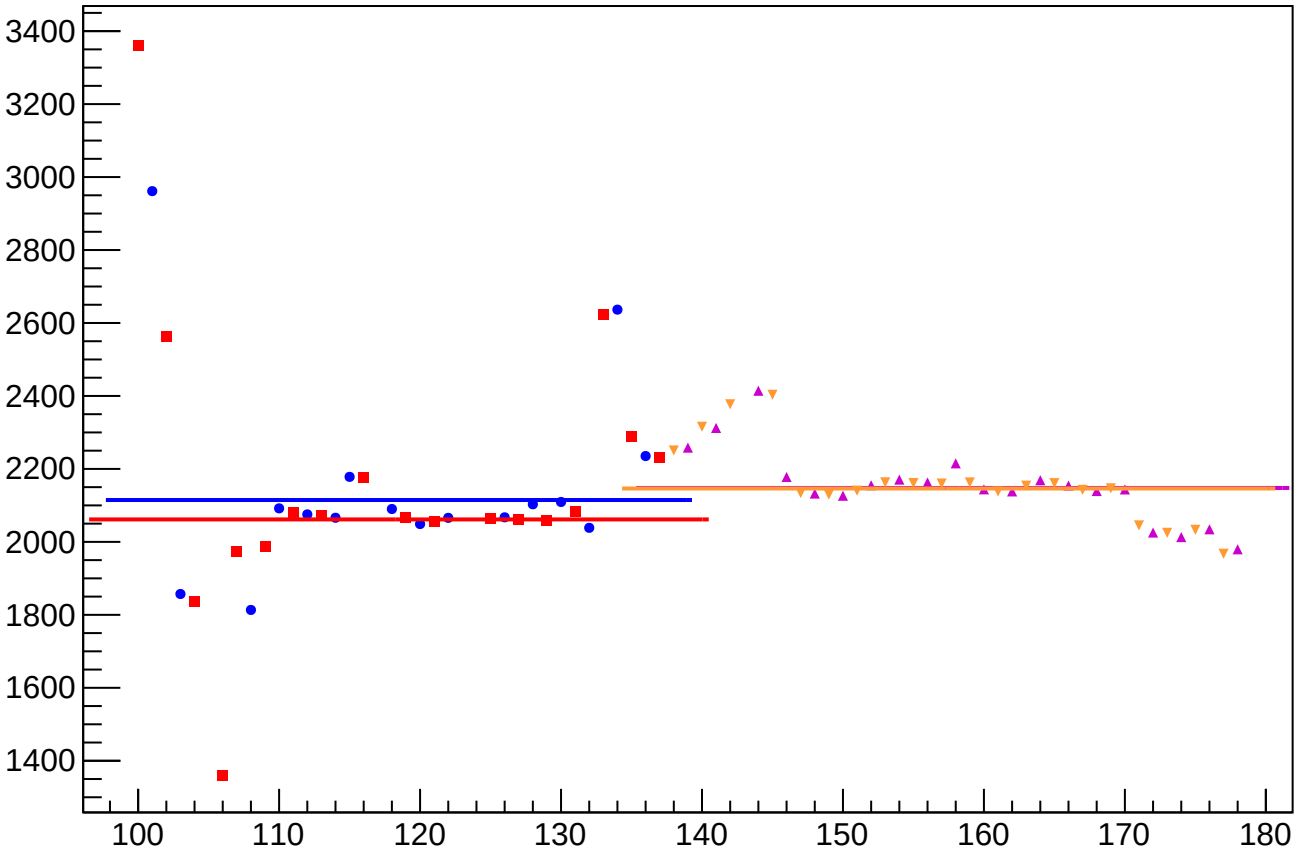
Left: -517.656+/-378.713 χ^2/NDF: 37.1/39

Right: -608.927+/-554.763 χ^2/NDF: 27.0/33

In: -901.776+/-441.534 χ^2/NDF:23.5/35

Out: -188.962+/-443.148 χ^2/NDF:39.3/37

All: -546.669+/-312.781 χ^2/NDF: 64.1/73



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: 2147.782+/-0.376 χ^2/NDF:66894.1/19

Left: 2147.046+/-0.268 χ^2/NDF: 134805.7/39

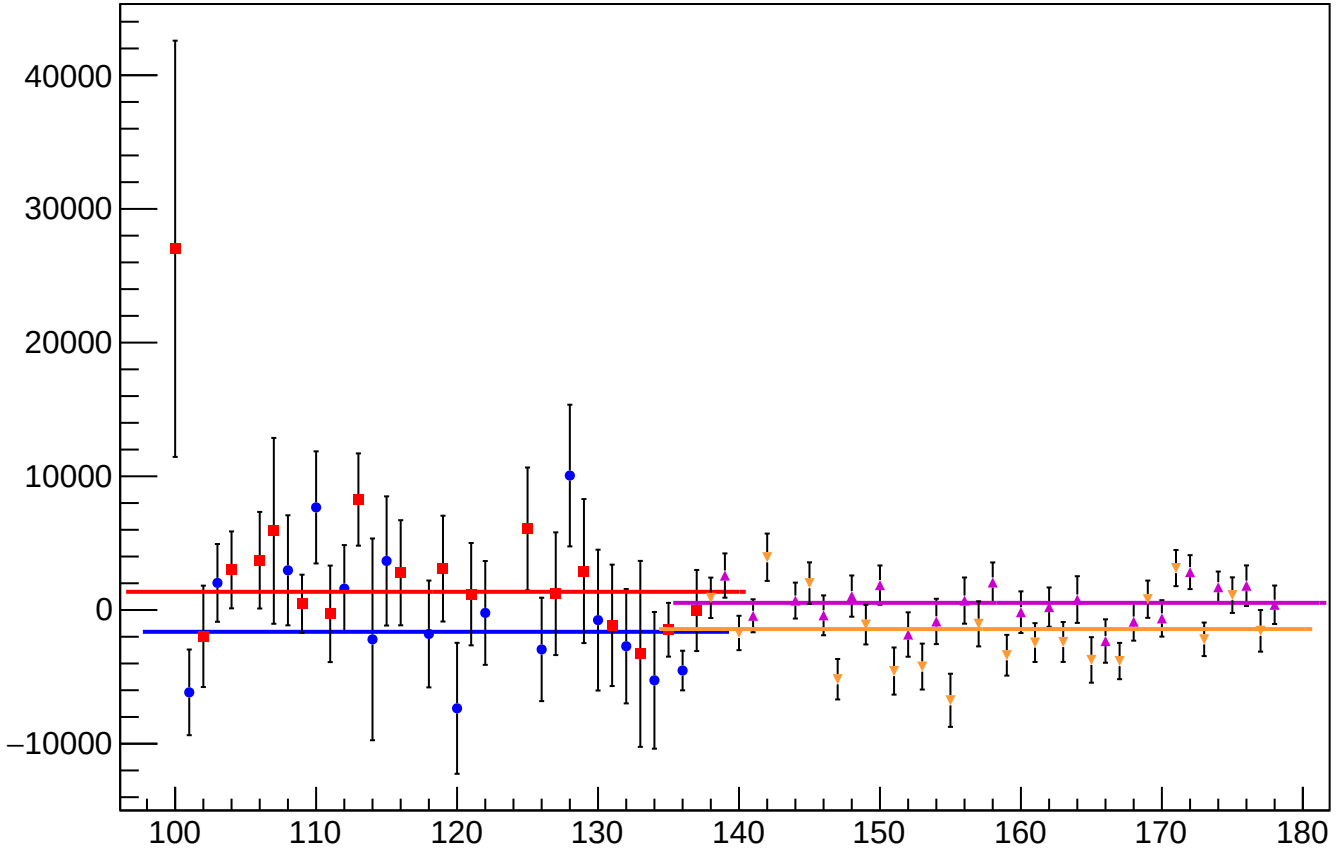
Right: 2087.649+/-0.392 χ^2/NDF: 443702.7/33

In: 2137.521+/-0.312 χ^2/NDF:259211.0/35

Out: 2118.739+/-0.313 χ^2/NDF:333133.2/37

All: 2128.164+/-0.221 χ^2/NDF: 594147.2/73

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: 535.513+/-328.260 χ^2/NDF:17.3/19

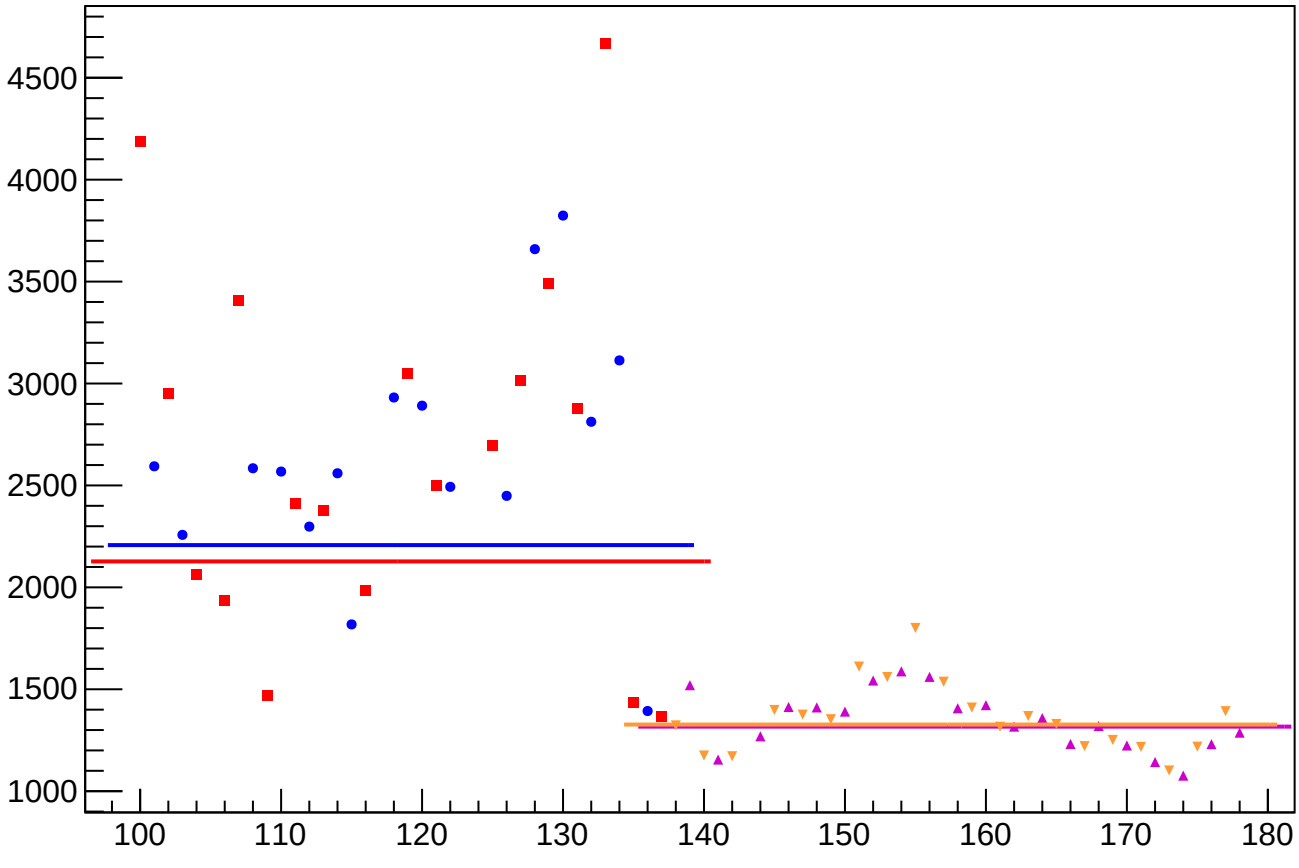
Left: -421.355+/-234.862 χ^2/NDF: 95.9/39

Right: -95.664+/-601.892 χ^2/NDF: 42.5/33

In: 261.419+/-306.788 χ^2/NDF:45.6/35

Out: -1040.516+/-312.127 χ^2/NDF:84.2/37

All: -378.318+/-218.795 χ^2/NDF: 138.7/73



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: 1316.726+/-0.232 χ^2/NDF:377073.1/19

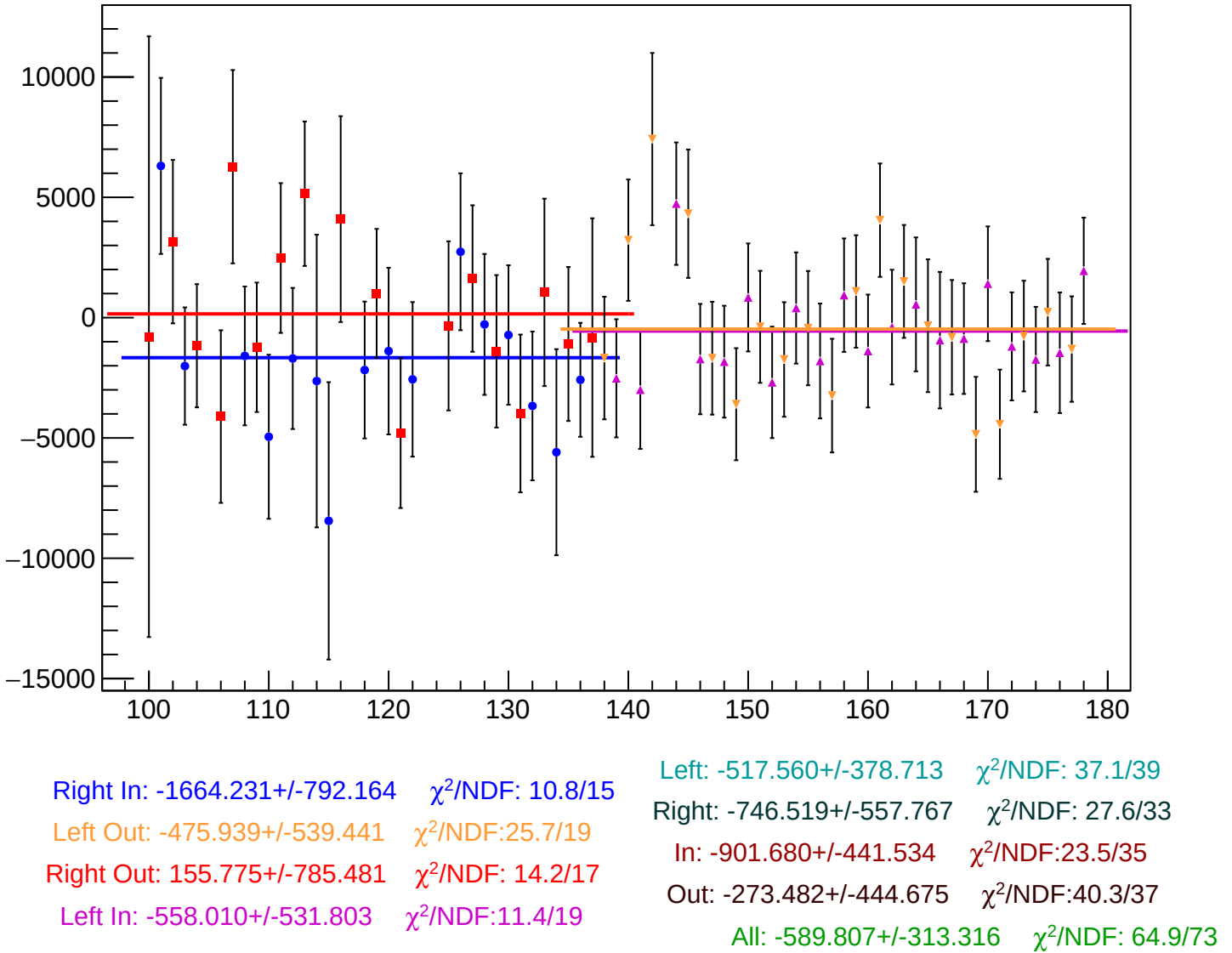
Left: 1321.709+/-0.166 χ^2/NDF: 782284.1/39

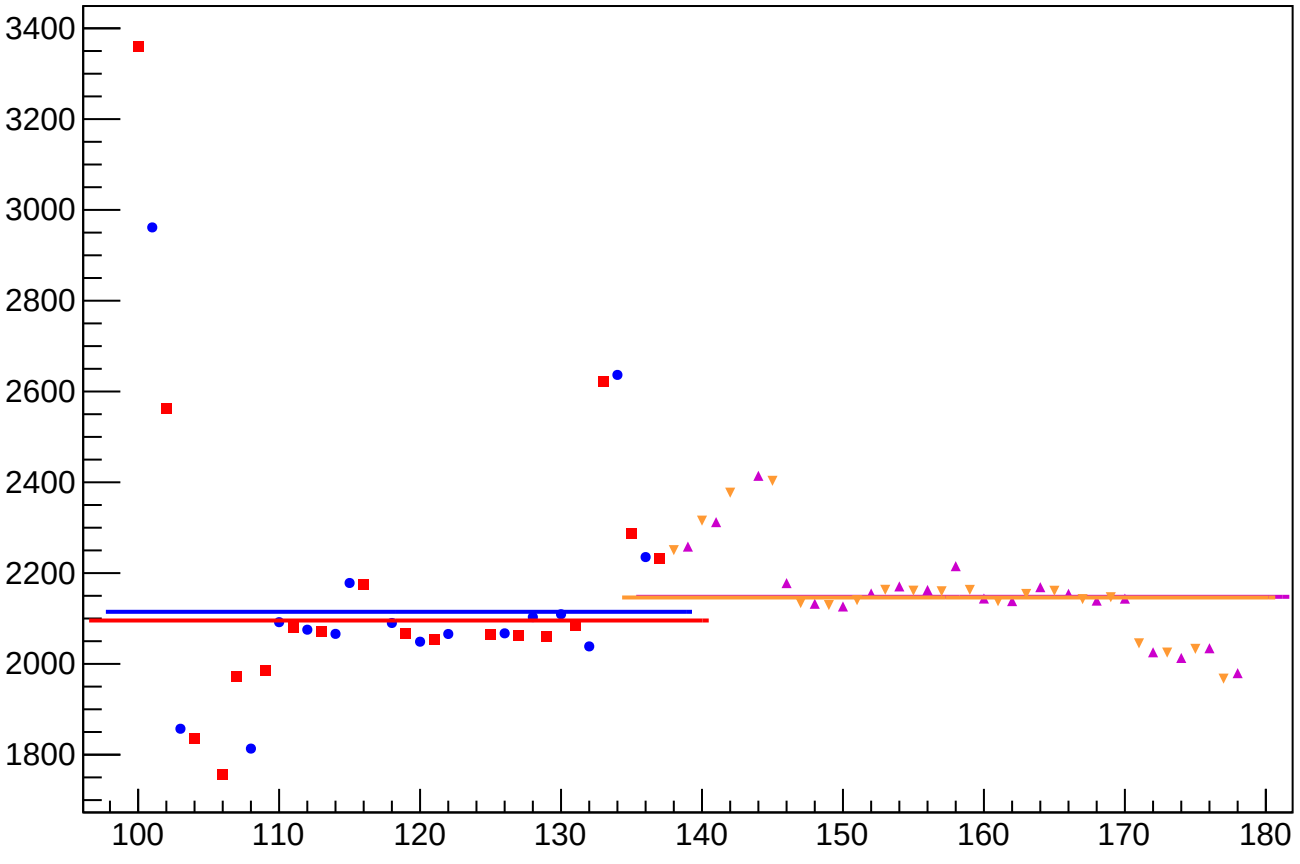
Right: 2166.205+/-0.426 χ^2/NDF: 2716147.2/33

In: 1429.417+/-0.217 χ^2/NDF:3488991.3/35

Out: 1437.324+/-0.221 χ^2/NDF:3425721.9/37

All: 1433.302+/-0.155 χ^2/NDF: 6915365.9/73


cor_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
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: -558.010+/-531.803 χ²/NDF:11.4/19
Left: -517.560+/-378.713 χ²/NDF: 37.1/39
Right: -746.519+/-557.767 χ²/NDF: 27.6/33
In: -901.680+/-441.534 χ²/NDF:23.5/35
Out: -273.482+/-444.675 χ²/NDF:40.3/37
All: -589.807+/-313.316 χ²/NDF: 64.9/73



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: 2147.782+/-0.376 χ^2/NDF:66894.1/19

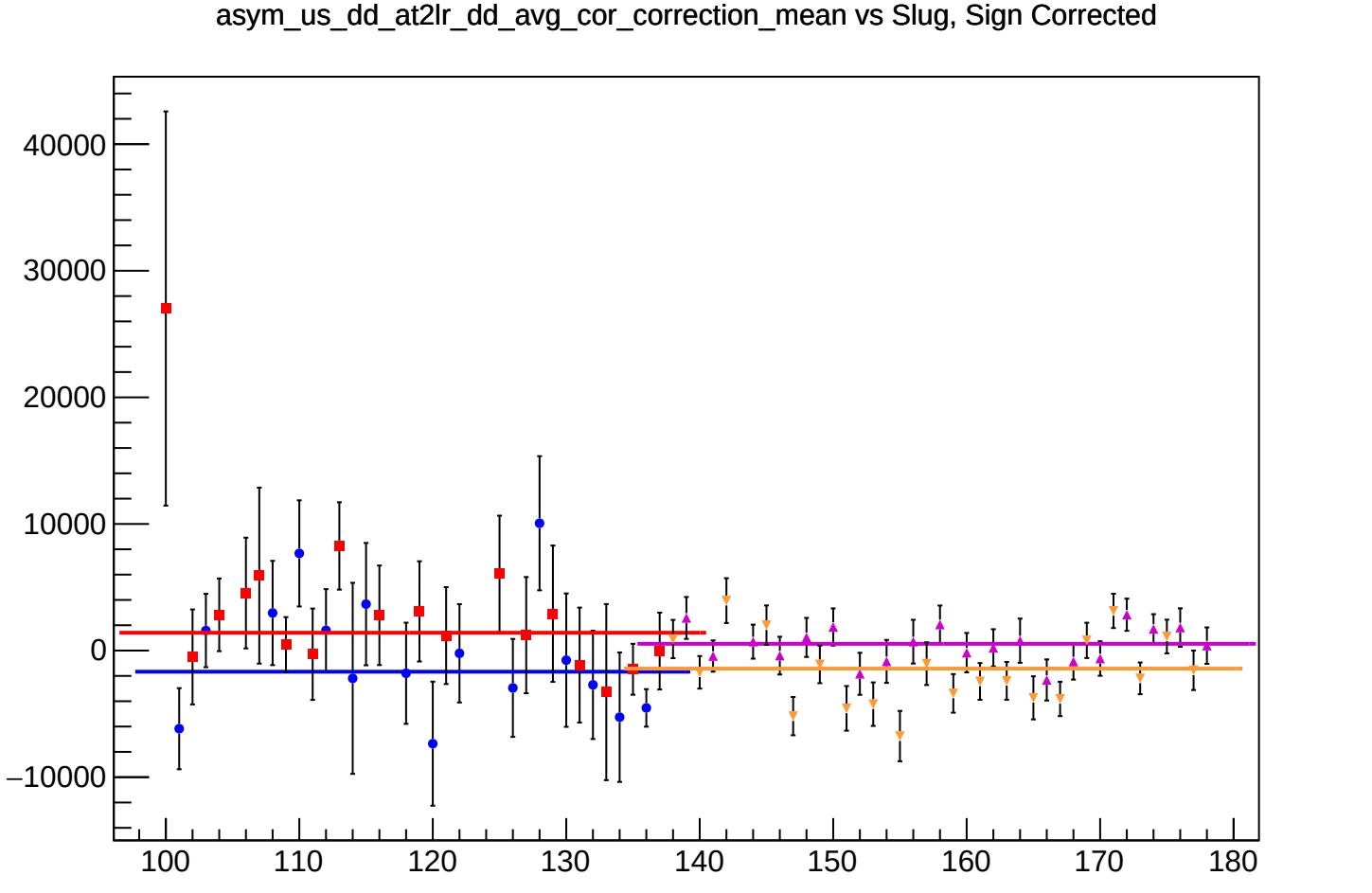
Left: 2147.046+/-0.268 χ^2/NDF: 134805.7/39

Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2137.521+/-0.312 χ^2/NDF:259211.4/35

Out: 2130.042+/-0.314 χ^2/NDF:222924.4/37

All: 2133.808+/-0.222 χ^2/NDF: 482420.7/73



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: 535.432+/-328.261 χ^2/NDF:17.3/19

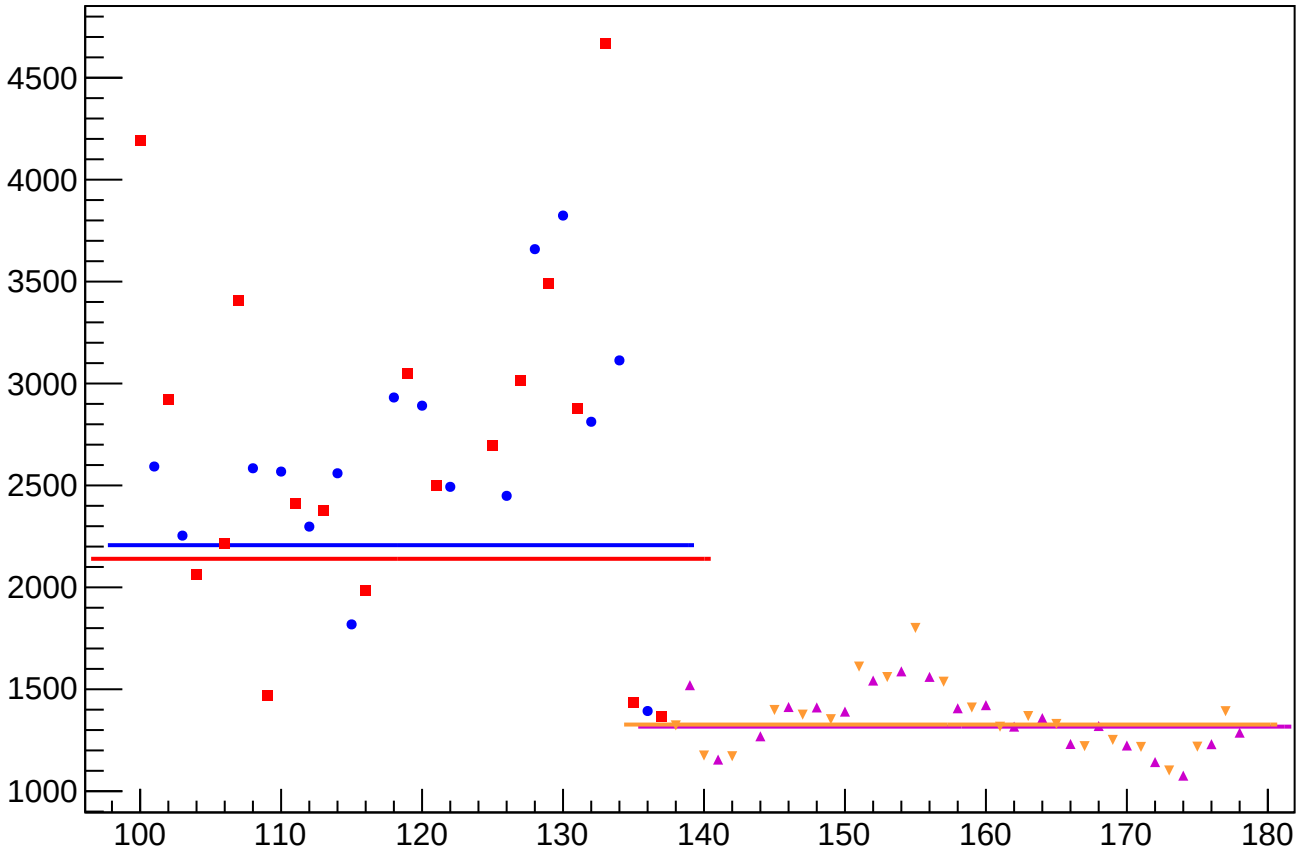
Left: -421.416+/-234.863 χ^2/NDF: 95.9/39

Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: 256.374+/-306.775 χ^2/NDF:45.5/35

Out: -1039.472+/-312.466 χ^2/NDF:83.9/37

All: -379.641+/-218.907 χ^2/NDF: 138.1/73



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: 1316.726+/-0.232 χ^2/NDF:377098.6/19

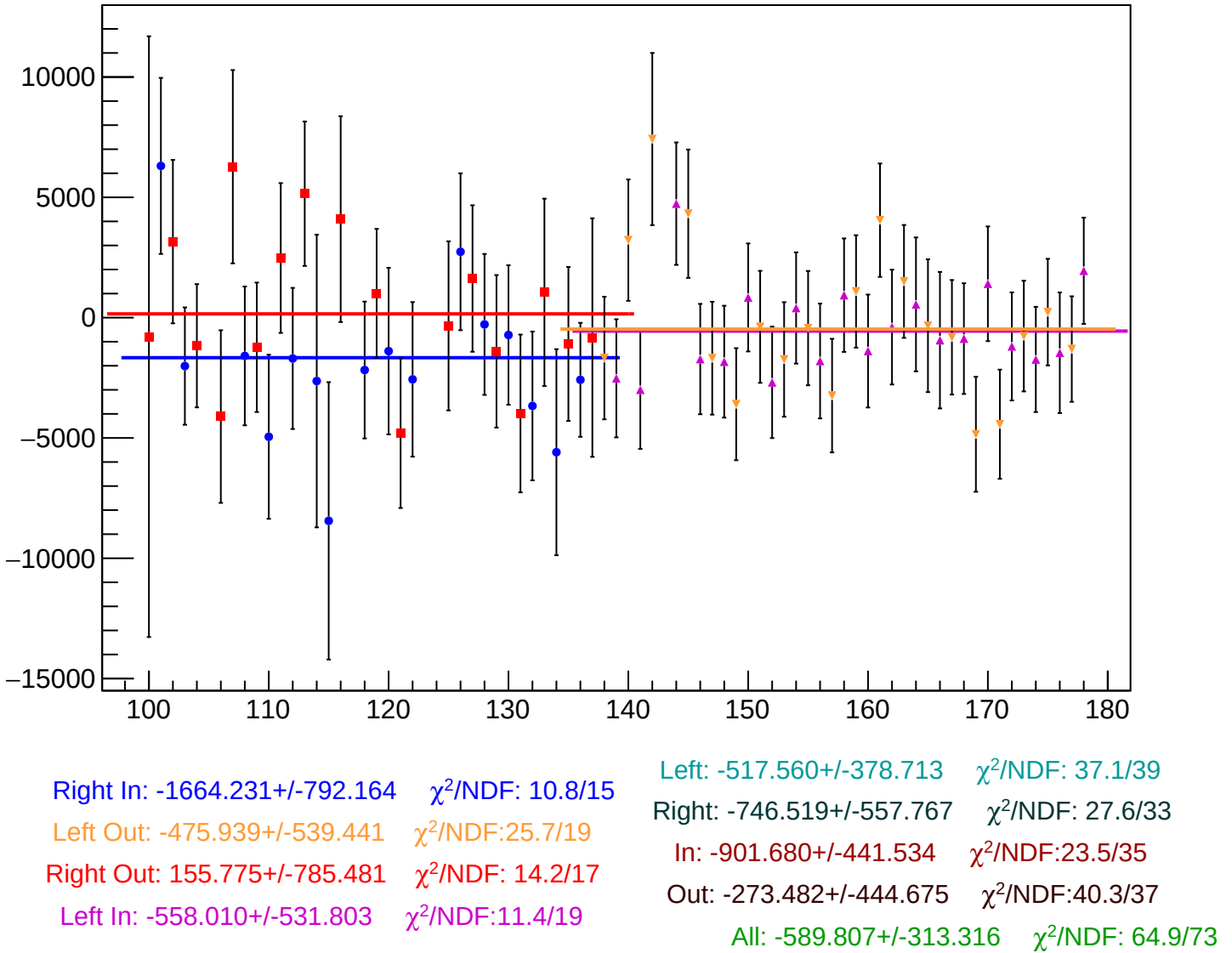
Left: 1321.714+/-0.166 χ^2/NDF: 782257.2/39

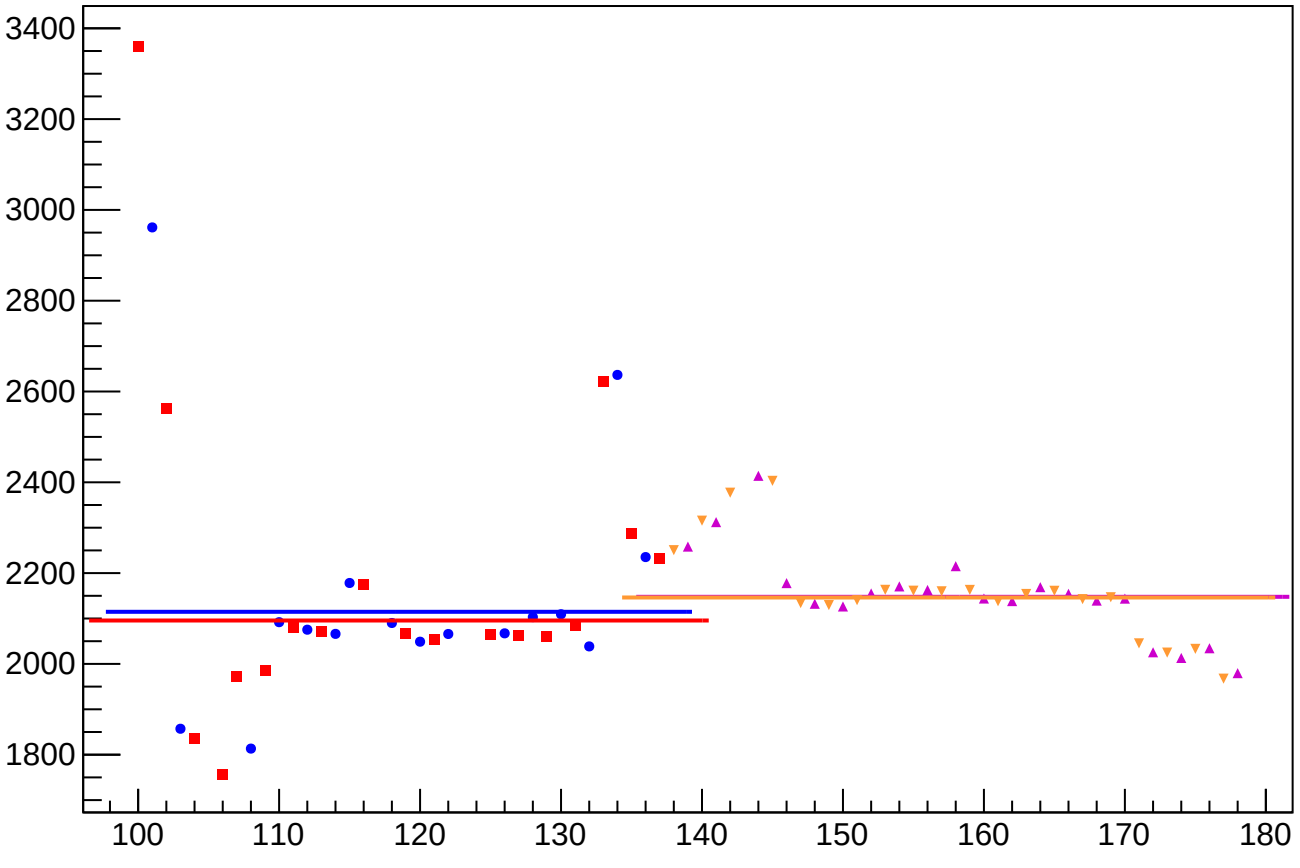
Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1429.442+/-0.217 χ^2/NDF:3488463.8/35

Out: 1437.588+/-0.221 χ^2/NDF:3444691.5/37

All: 1433.440+/-0.155 χ^2/NDF: 6933847.5/73


eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
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: -558.010+/-531.803 χ²/NDF:11.4/19
Left: -517.560+/-378.713 χ²/NDF: 37.1/39
Right: -746.519+/-557.767 χ²/NDF: 27.6/33
In: -901.680+/-441.534 χ²/NDF:23.5/35
Out: -273.482+/-444.675 χ²/NDF:40.3/37
All: -589.807+/-313.316 χ²/NDF: 64.9/73



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: 2147.782+/-0.376 χ^2/NDF:66894.1/19

Left: 2147.046+/-0.268 χ^2/NDF: 134805.7/39

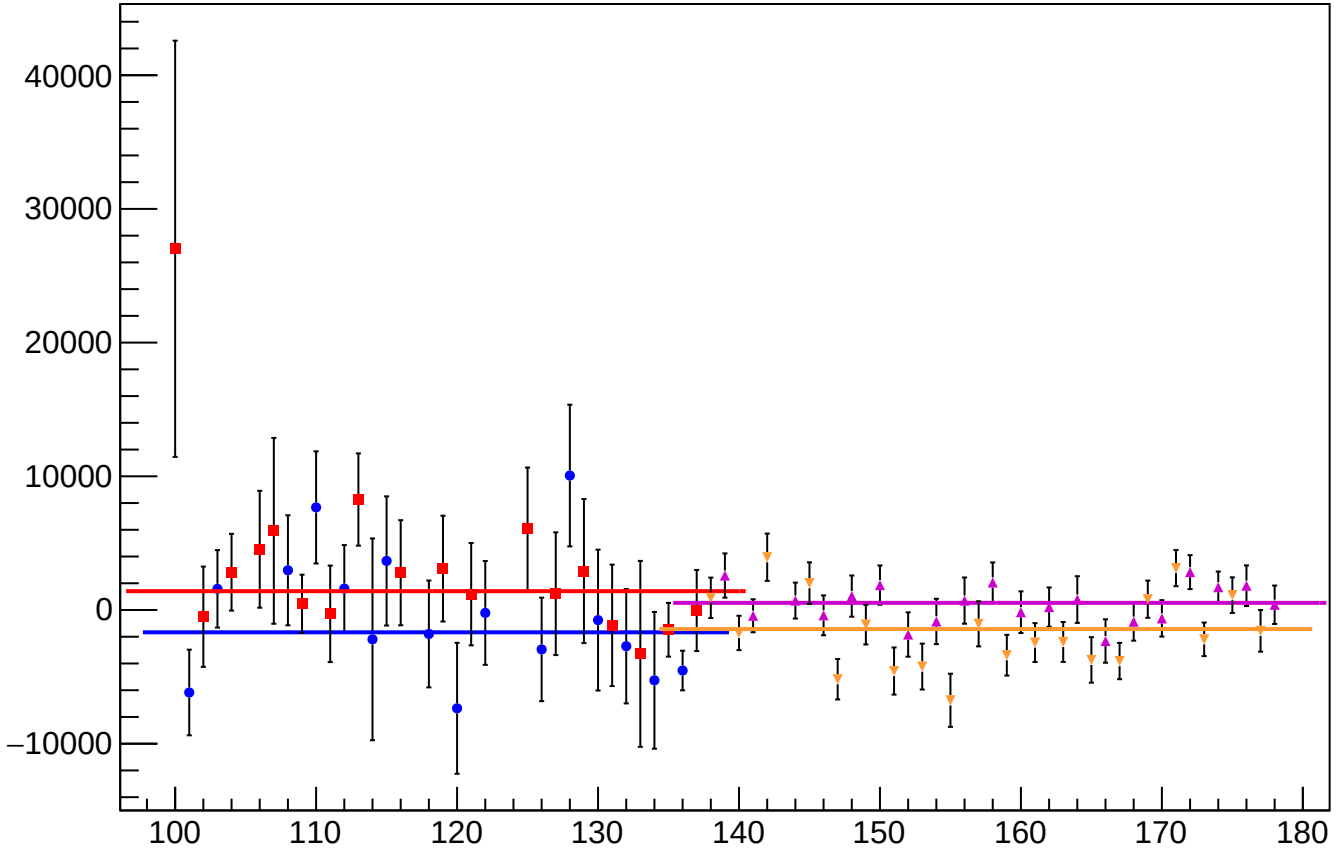
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2137.521+/-0.312 χ^2/NDF:259211.4/35

Out: 2130.042+/-0.314 χ^2/NDF:222924.4/37

All: 2133.808+/-0.222 χ^2/NDF: 482420.7/73

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: 535.432+/-328.261 χ^2/NDF:17.3/19

Left: -421.416+/-234.863 χ^2/NDF: 95.9/39

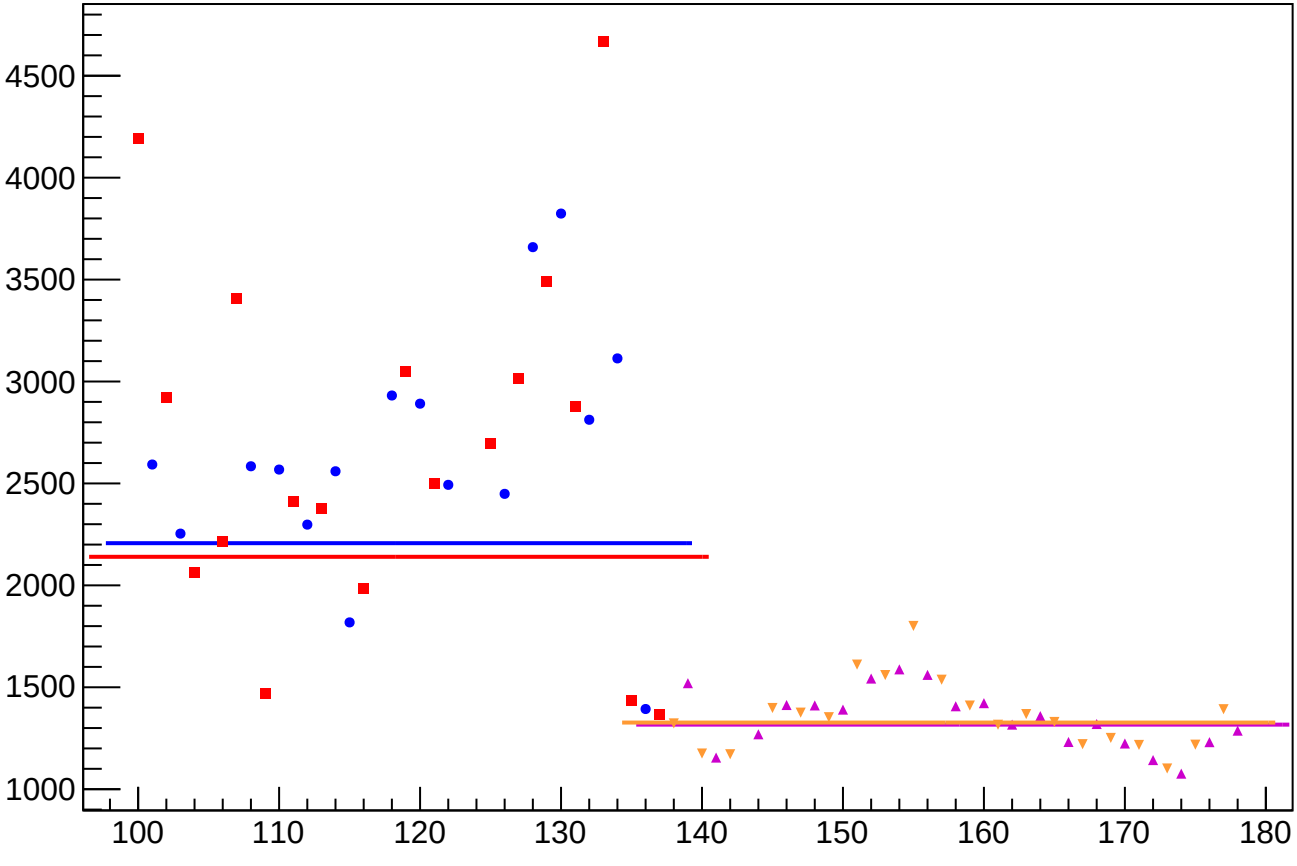
Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: 256.374+/-306.775 χ^2/NDF:45.5/35

Out: -1039.472+/-312.466 χ^2/NDF:83.9/37

All: -379.641+/-218.907 χ^2/NDF: 138.1/73

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1326.946+/-0.238 χ^2/NDF:404212.6/19

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1316.726+/-0.232 χ^2/NDF:377098.6/19

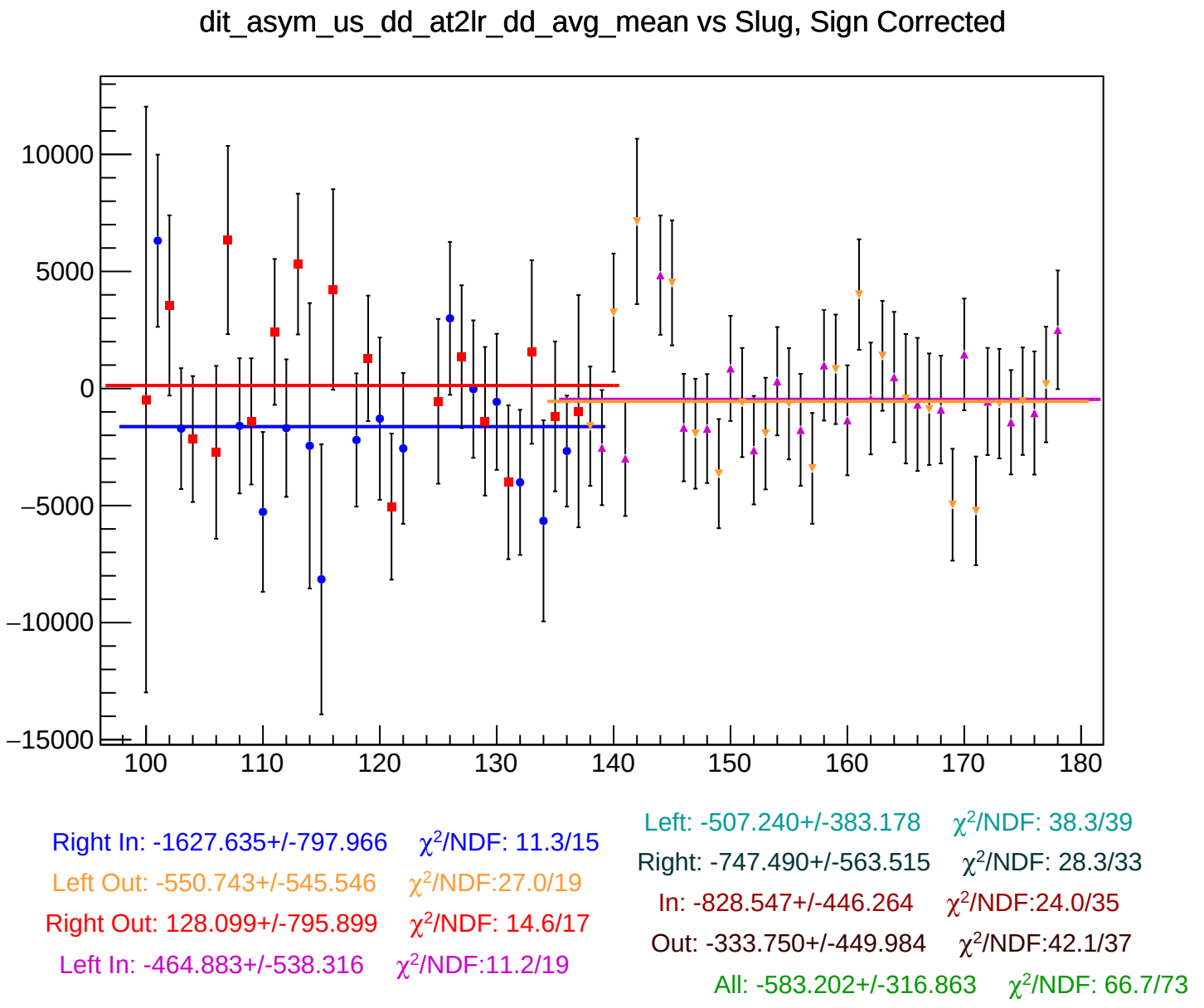
Left: 1321.714+/-0.166 χ^2/NDF: 782257.2/39

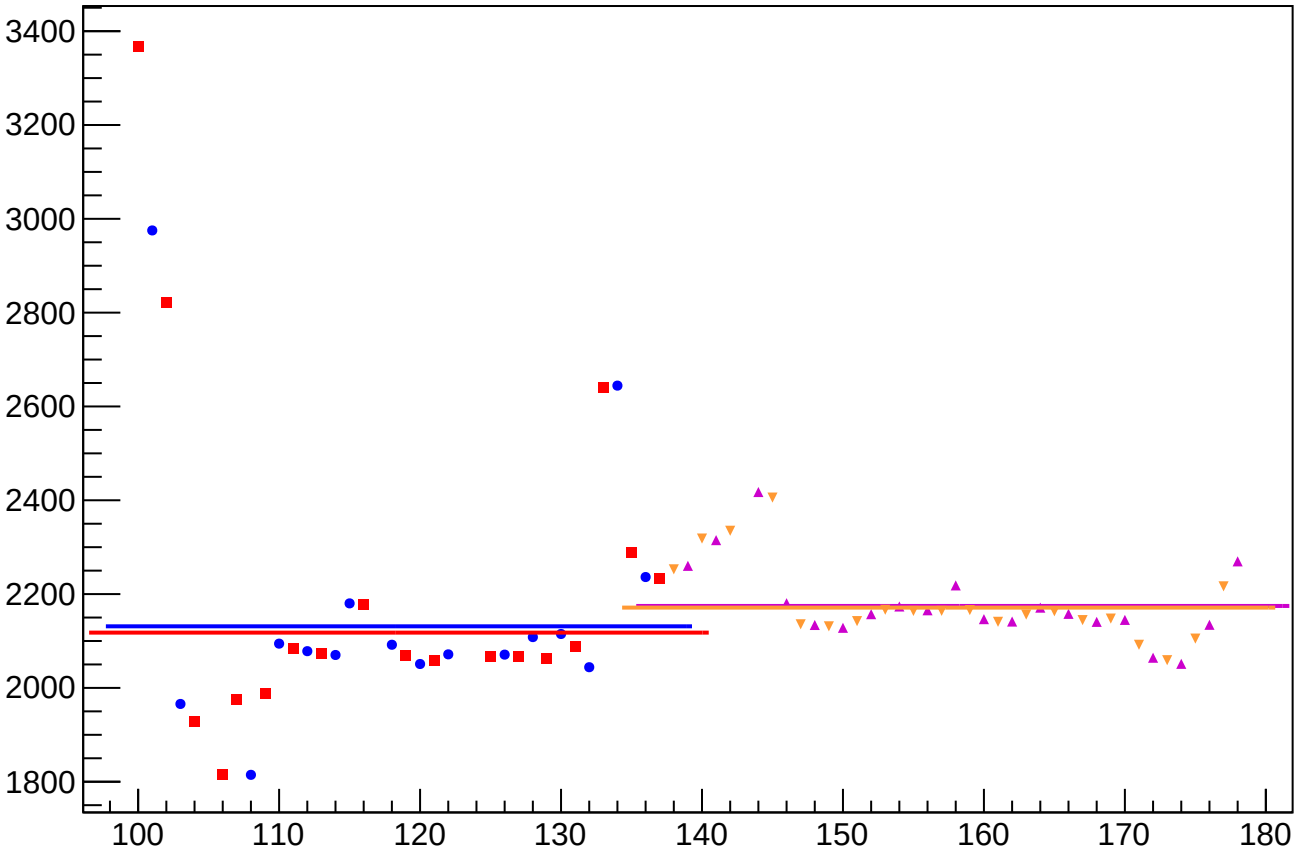
Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1429.442+/-0.217 χ^2/NDF:3488463.8/35

Out: 1437.588+/-0.221 χ^2/NDF:3444691.5/37

All: 1433.440+/-0.155 χ^2/NDF: 6933847.5/73


dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: -1627.635+/-797.966 χ²/NDF: 11.3/15
Left Out: -550.743+/-545.546 χ²/NDF:27.0/19
Right Out: 128.099+/-795.899 χ²/NDF: 14.6/17
Left In: -464.883+/-538.316 χ²/NDF:11.2/19
Left: -507.240+/-383.178 χ²/NDF: 38.3/39
Right: -747.490+/-563.515 χ²/NDF: 28.3/33
In: -828.547+/-446.264 χ²/NDF:24.0/35
Out: -333.750+/-449.984 χ²/NDF:42.1/37
All: -583.202+/-316.863 χ²/NDF: 66.7/73



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: 2174.706+/-0.381 χ^2/NDF:44963.3/19

Left: 2172.968+/-0.271 χ^2/NDF: 85107.3/39

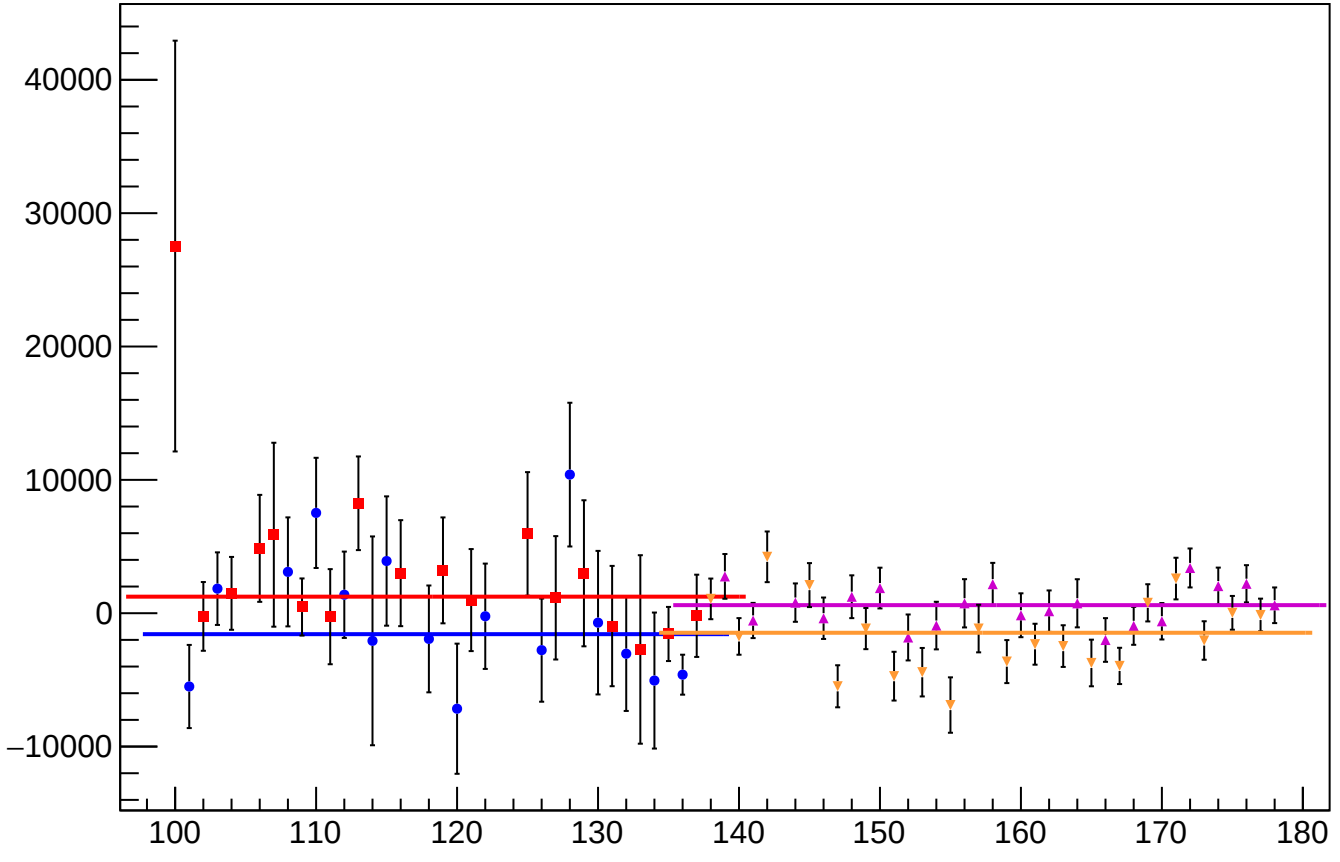
Right: 2124.565+/-0.398 χ^2/NDF: 339850.1/33

In: 2161.130+/-0.316 χ^2/NDF:224974.0/35

Out: 2154.140+/-0.318 χ^2/NDF:209830.2/37

All: 2157.664+/-0.224 χ^2/NDF: 435047.5/73

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1571.073+/-859.754 χ^2/NDF: 22.6/15

Left Out: -1466.465+/-346.005 χ^2/NDF:55.3/19

Right Out: 1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: 605.196+/-342.025 χ^2/NDF:18.2/19

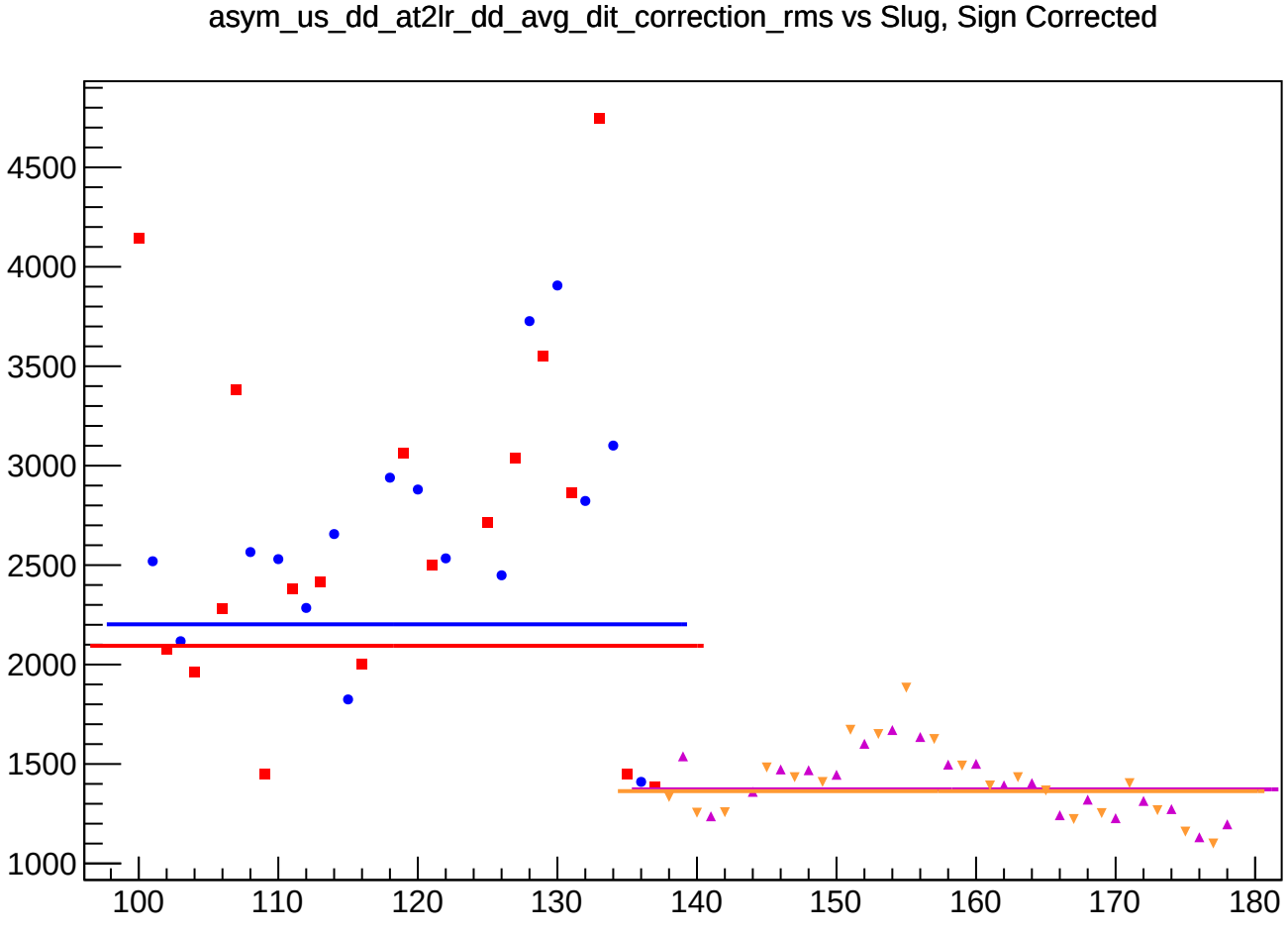
Left: -418.651+/-243.243 χ^2/NDF: 91.7/39

Right: -98.133+/-593.299 χ^2/NDF: 41.3/33

In: 307.841+/-317.801 χ^2/NDF:46.4/35

Out: -1057.071+/-318.774 χ^2/NDF:77.6/37

All: -372.528+/-225.063 χ^2/NDF: 133.2/73



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: 1372.511+/-0.242 χ^2/NDF:365041.1/19

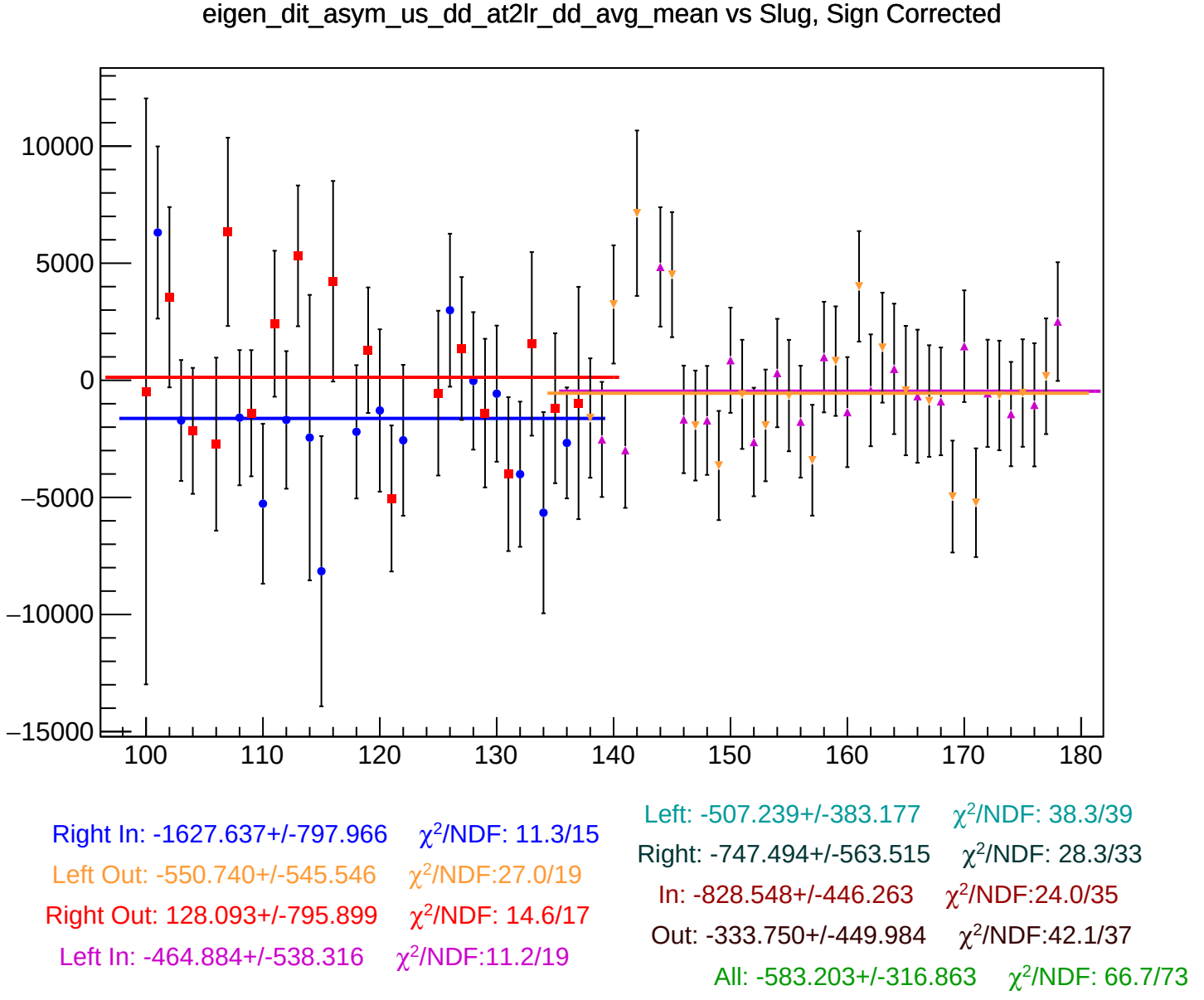
Left: 1368.119+/-0.172 χ^2/NDF: 881629.1/39

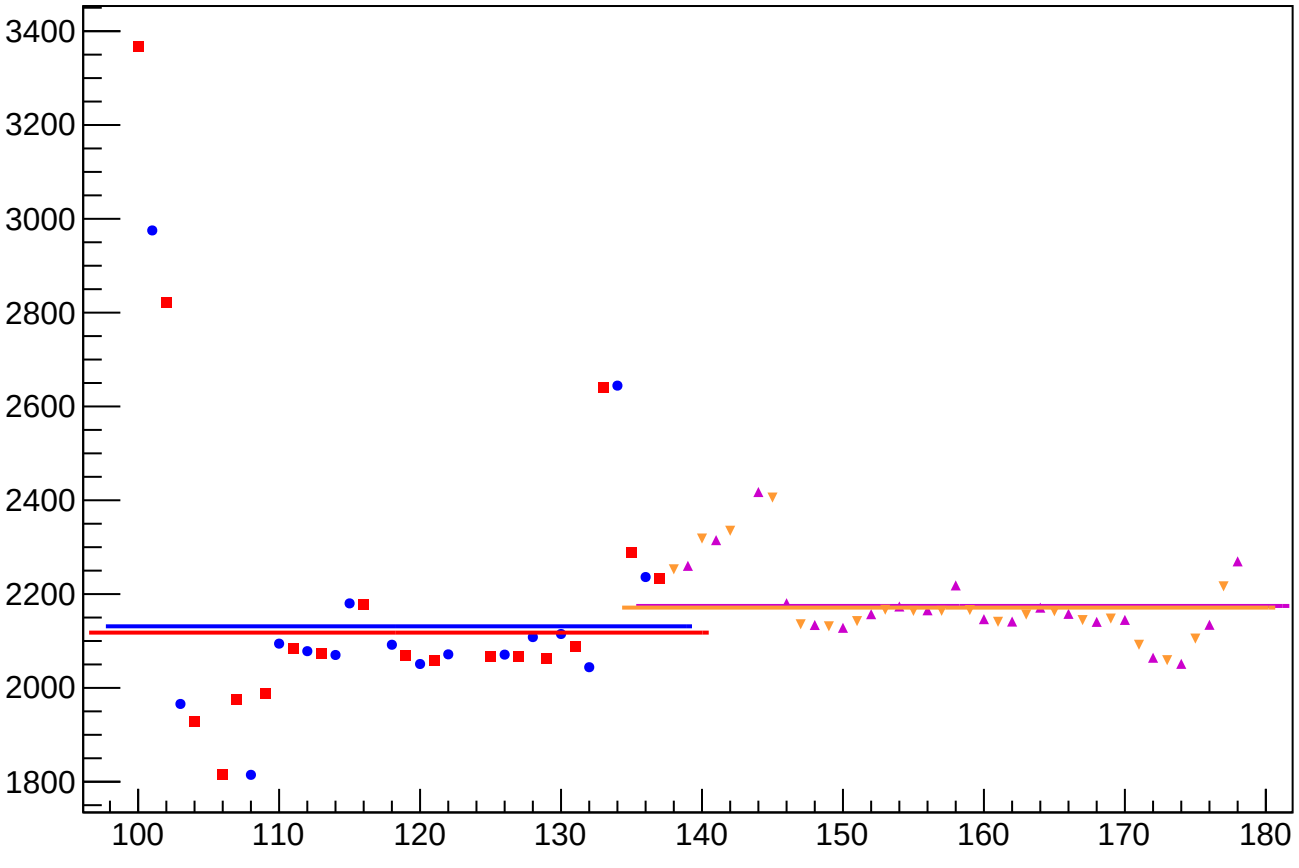
Right: 2145.844+/-0.420 χ^2/NDF: 2613152.0/33

In: 1485.900+/-0.225 χ^2/NDF:3196776.6/35

Out: 1474.131+/-0.225 χ^2/NDF:3238754.8/37

All: 1480.033+/-0.159 χ^2/NDF: 6436898.6/73


eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
Right In: -1627.637+/-797.966 χ²/NDF: 11.3/15
Left Out: -550.740+/-545.546 χ²/NDF:27.0/19
Right Out: 128.093+/-795.899 χ²/NDF: 14.6/17
Left In: -464.884+/-538.316 χ²/NDF:11.2/19
Left: -507.239+/-383.177 χ²/NDF: 38.3/39
Right: -747.494+/-563.515 χ²/NDF: 28.3/33
In: -828.548+/-446.263 χ²/NDF:24.0/35
Out: -333.750+/-449.984 χ²/NDF:42.1/37
All: -583.203+/-316.863 χ²/NDF: 66.7/73



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: 2174.706+/-0.381 χ^2/NDF:44963.2/19

Left: 2172.968+/-0.271 χ^2/NDF: 85107.4/39

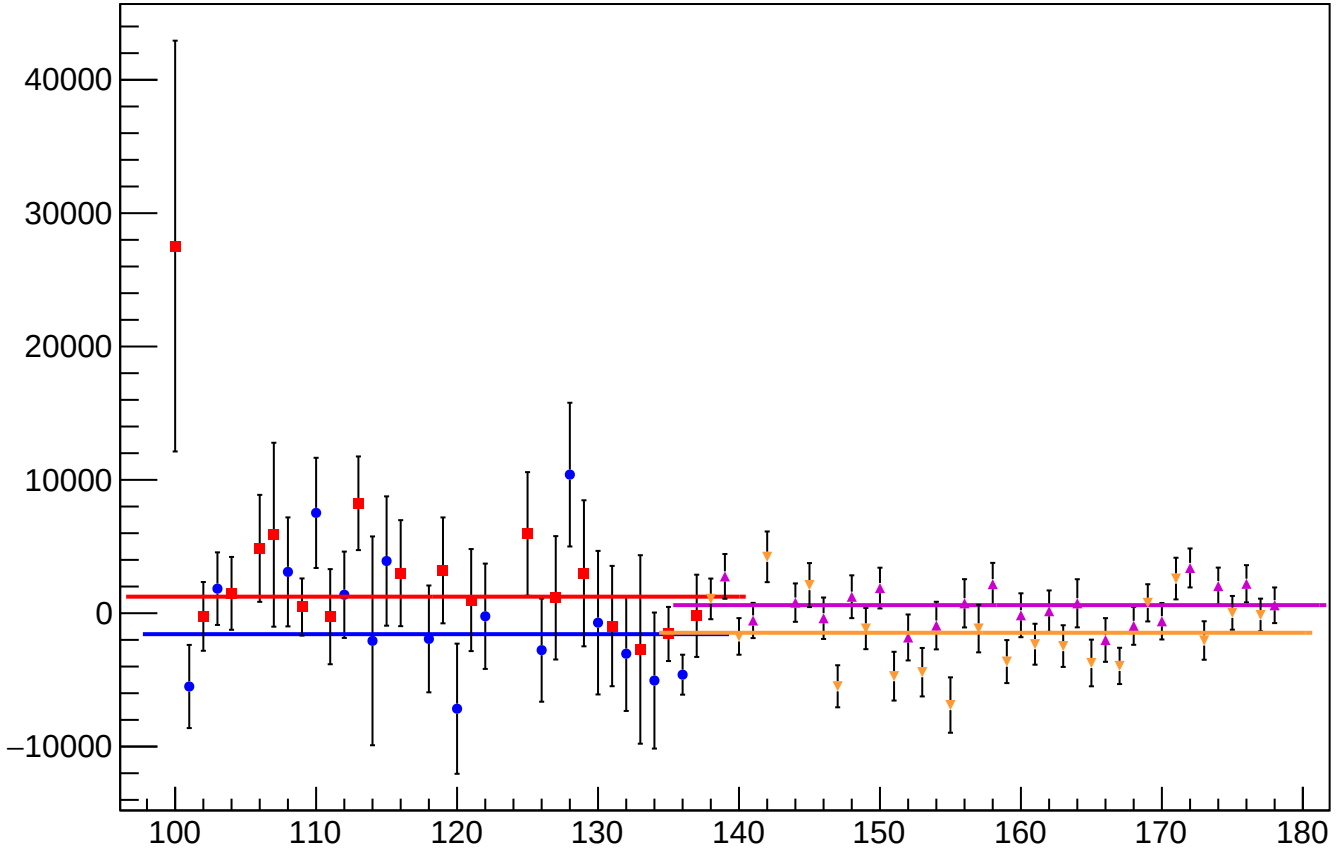
Right: 2124.565+/-0.398 χ^2/NDF: 339849.9/33

In: 2161.130+/-0.316 χ^2/NDF:224973.8/35

Out: 2154.140+/-0.318 χ^2/NDF:209830.3/37

All: 2157.664+/-0.224 χ^2/NDF: 435047.5/73

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: 605.192+/-342.025 χ^2/NDF:18.2/19

Left: -418.653+/-243.243 χ^2/NDF: 91.7/39

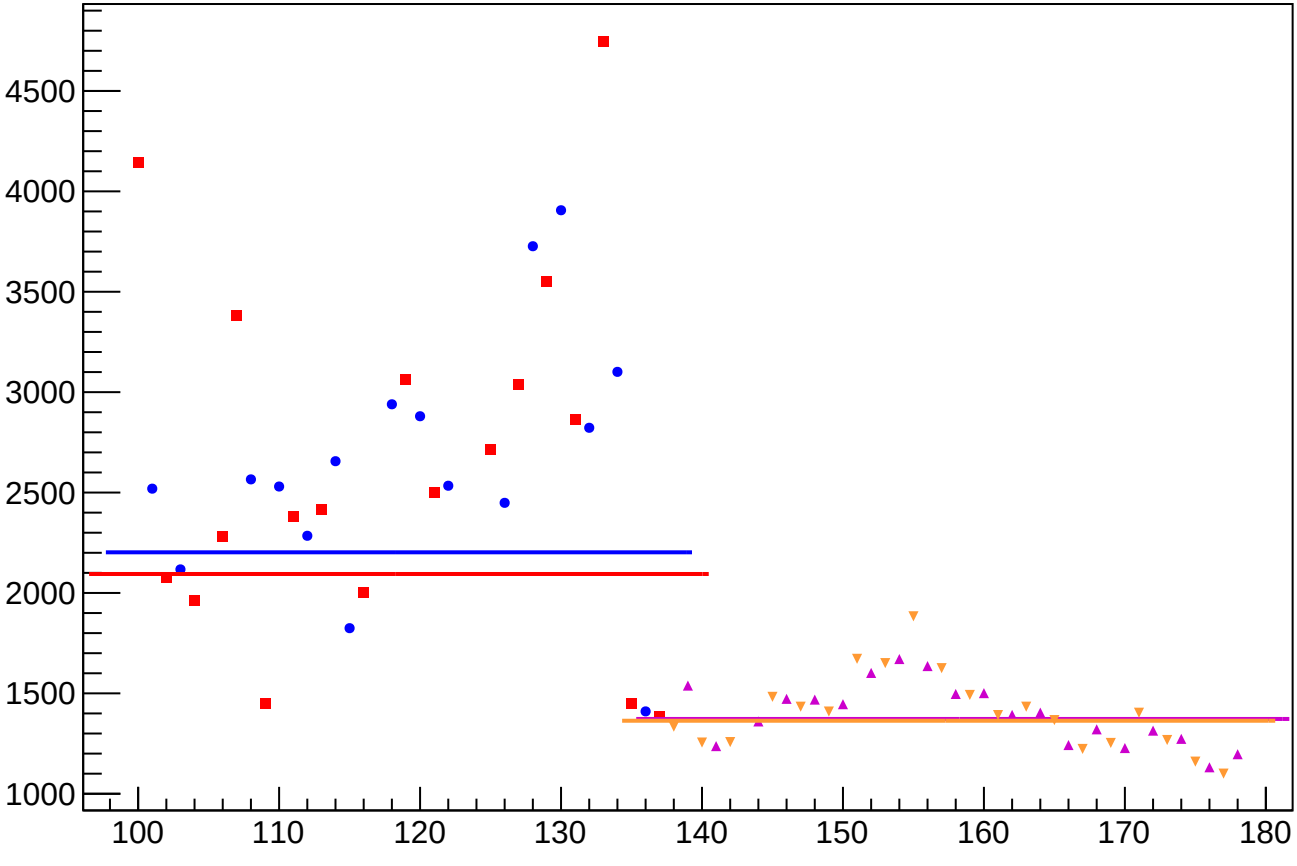
Right: -98.119+/-593.301 χ^2/NDF: 41.3/33

In: 307.842+/-317.801 χ^2/NDF:46.4/35

Out: -1057.074+/-318.775 χ^2/NDF:77.6/37

All: -372.528+/-225.063 χ^2/NDF: 133.2/73

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: 1372.509+/-0.242 χ^2/NDF:365048.4/19

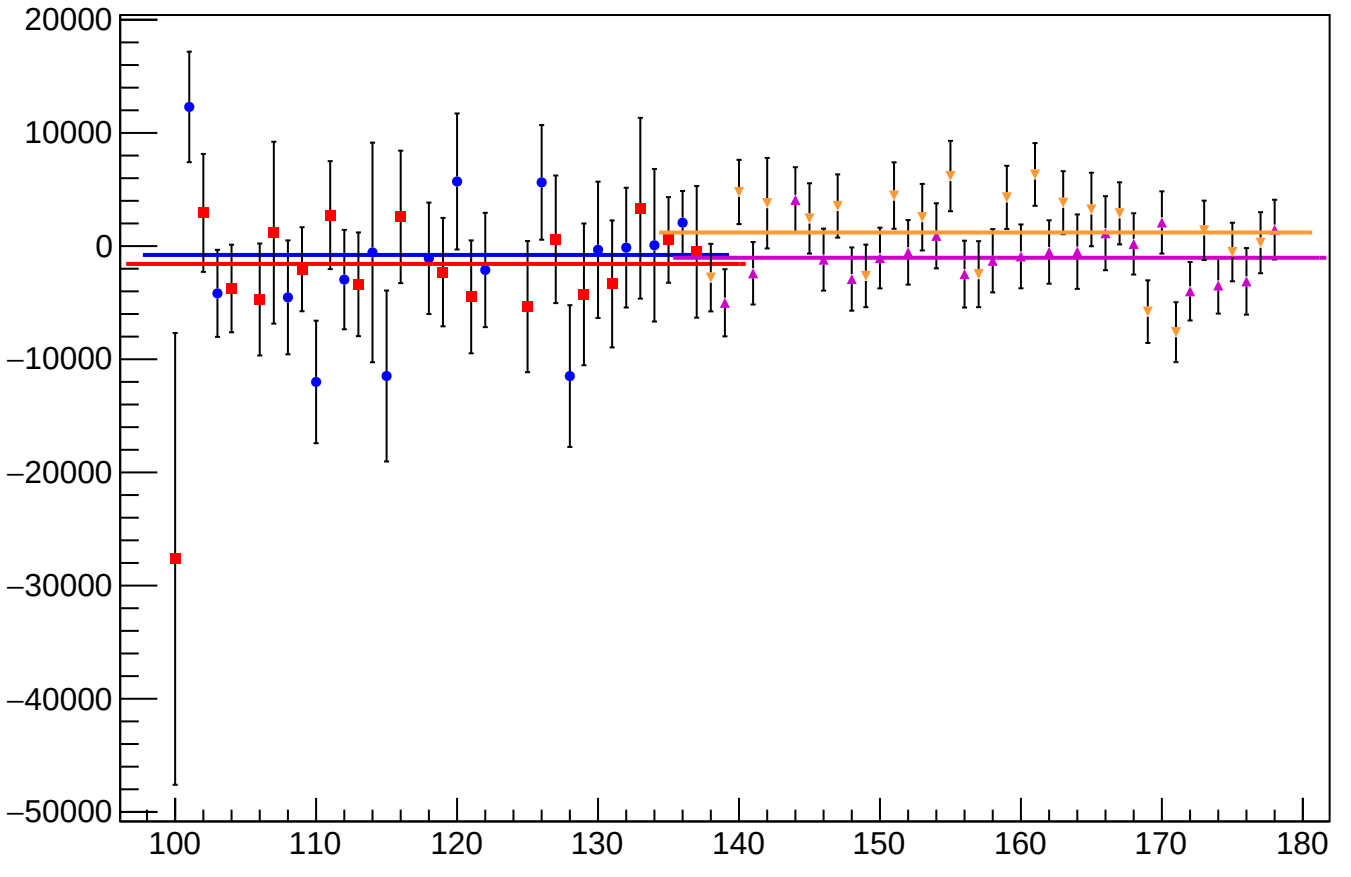
Left: 1368.119+/-0.172 χ^2/NDF: 881631.8/39

Right: 2145.856+/-0.420 χ^2/NDF: 2613045.0/33

In: 1485.900+/-0.225 χ^2/NDF:3196767.6/35

Out: 1474.133+/-0.225 χ^2/NDF:3238737.5/37

All: 1480.034+/-0.159 χ^2/NDF: 6436871.8/73



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: -1030.891+/-628.742 χ^2/NDF:12.0/19

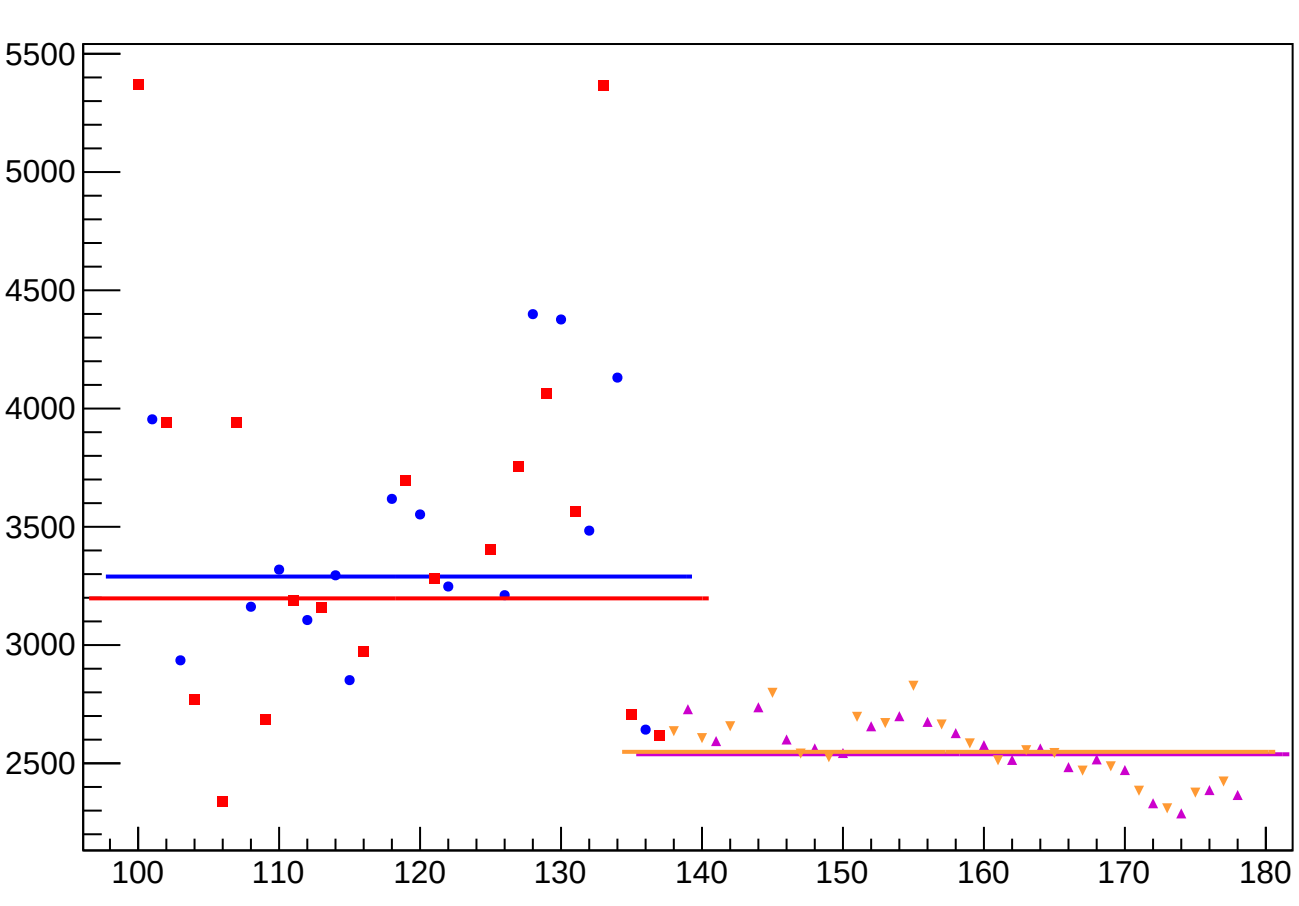
Left: 64.633+/-448.797 χ^2/NDF: 54.8/39

Right: -1185.478+/-869.867 χ^2/NDF: 28.8/33

In: -980.022+/-560.931 χ^2/NDF:34.0/35

Out: 601.280+/-567.214 χ^2/NDF:47.4/37

All: -198.177+/-398.841 χ^2/NDF: 85.3/73



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: 2538.217+/-0.445 χ^2/NDF:85180.4/19

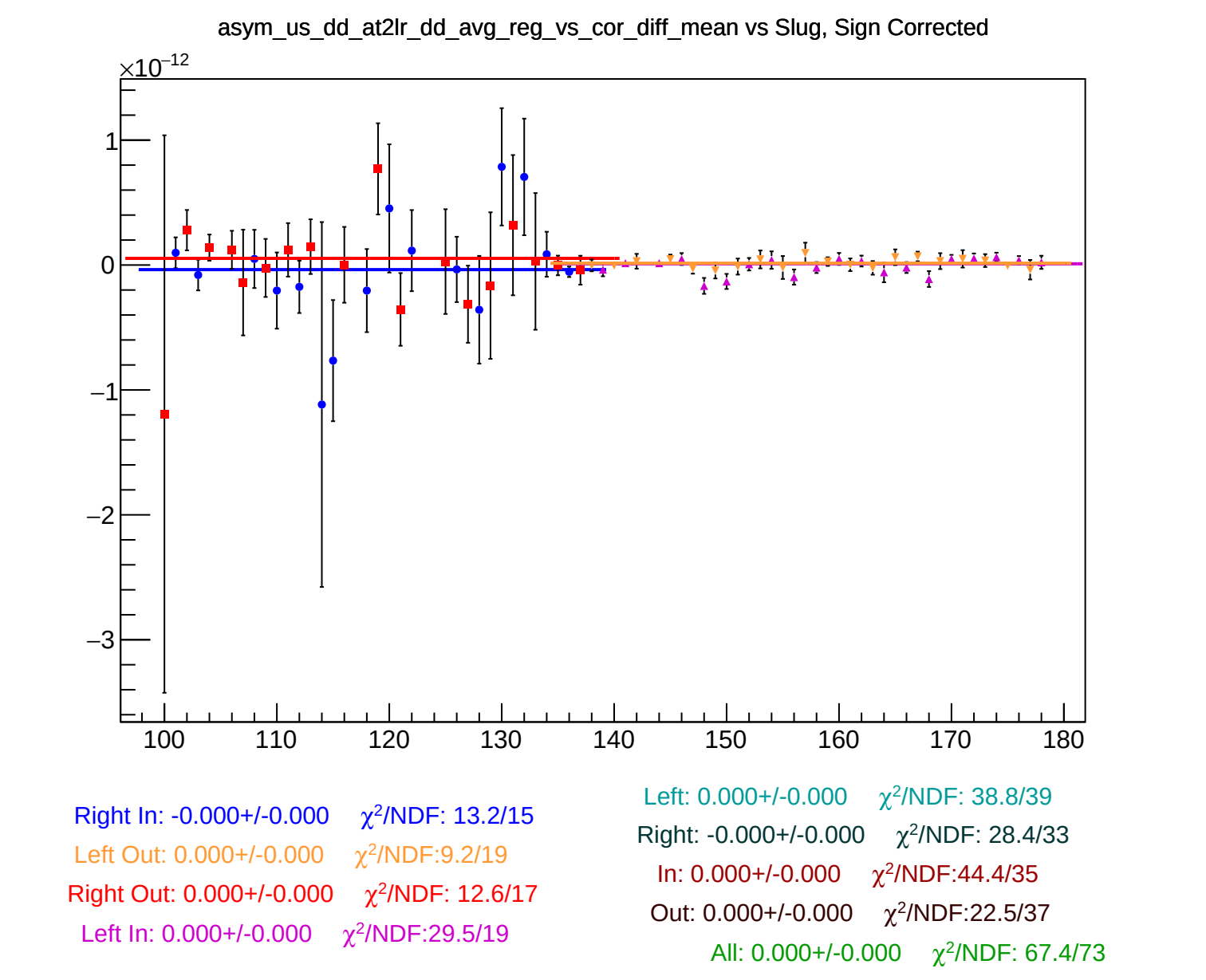
Left: 2543.268+/-0.317 χ^2/NDF: 171133.9/39

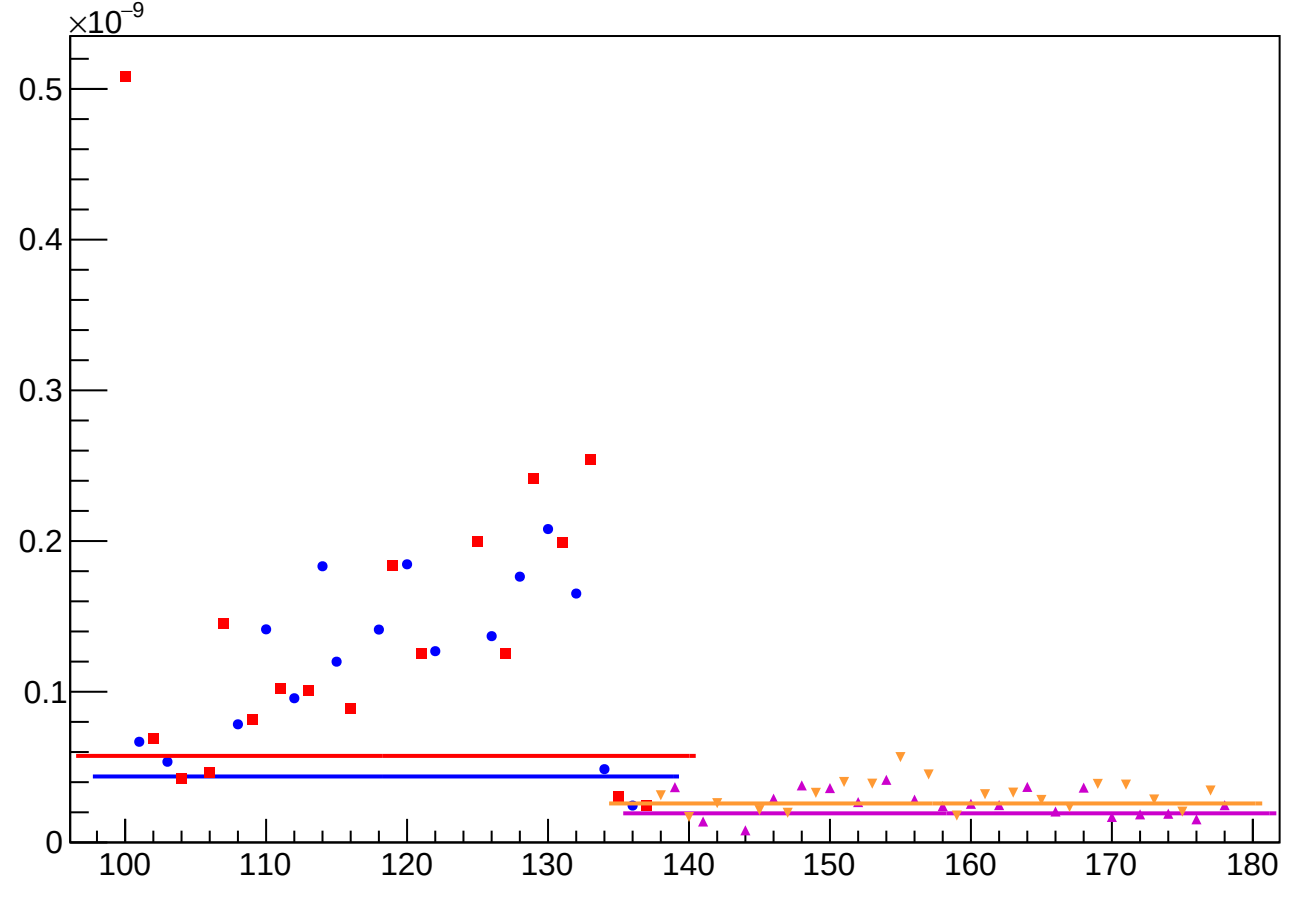
Right: 3242.678+/-0.615 χ^2/NDF: 853157.4/33

In: 2691.570+/-0.397 χ^2/NDF:1015804.6/35

Out: 2689.014+/-0.401 χ^2/NDF:1029629.0/37

All: 2690.306+/-0.282 χ^2/NDF: 2045454.1/73


asym_us_dd_at2lr_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: 13.2/15
Left Out: 0.000+/-0.000 χ²/NDF:9.2/19
Right Out: 0.000+/-0.000 χ²/NDF: 12.6/17
Left In: 0.000+/-0.000 χ²/NDF:29.5/19
Left: 0.000+/-0.000 χ²/NDF: 38.8/39
Right: -0.000+/-0.000 χ²/NDF: 28.4/33
In: 0.000+/-0.000 χ²/NDF:44.4/35
Out: 0.000+/-0.000 χ²/NDF:22.5/37
All: 0.000+/-0.000 χ²/NDF: 67.4/73



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:2157431.4/19

Left: 0.000+/-0.000 χ^2/NDF: 3799930.8/39

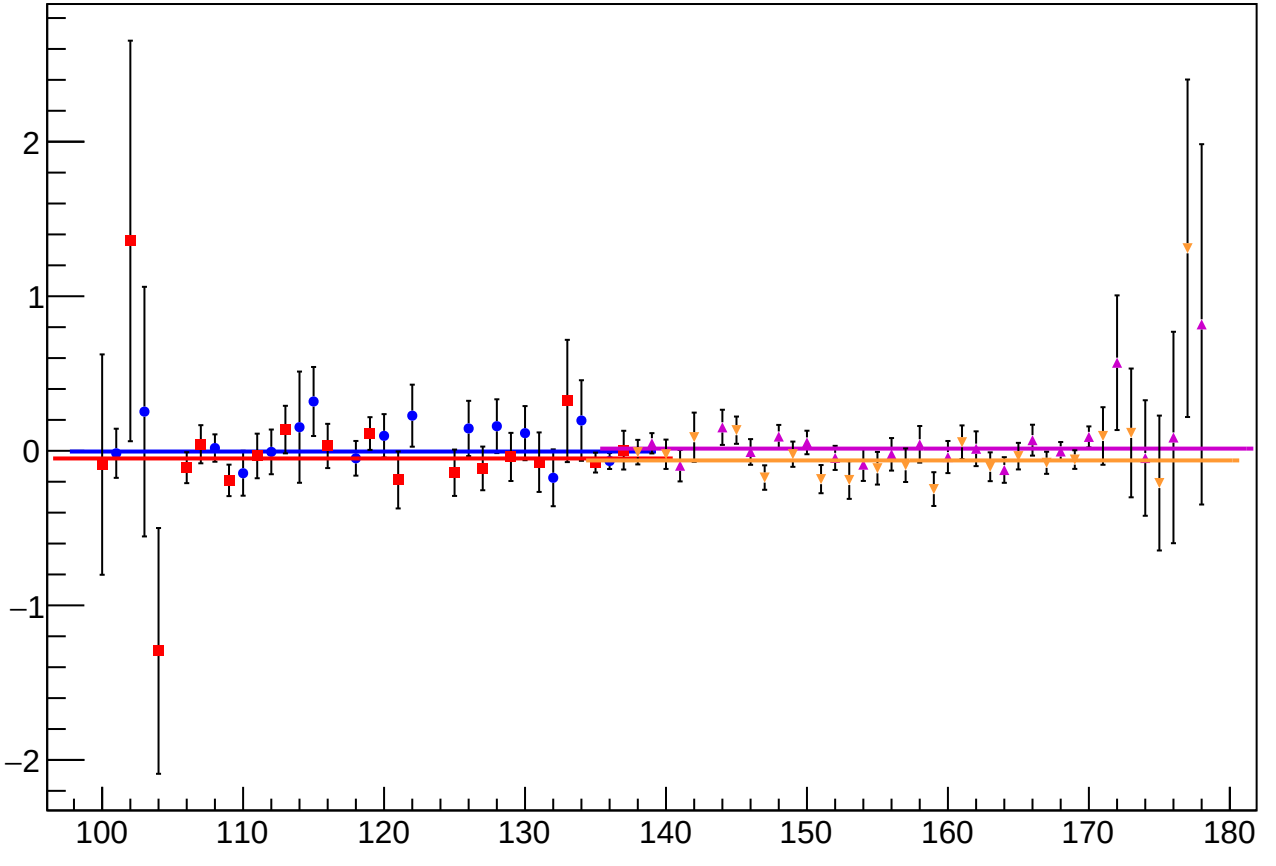
Right: 0.000+/-0.000 χ^2/NDF: 4436407.3/33

In: 0.000+/-0.000 χ^2/NDF:5333245.4/35

Out: 0.000+/-0.000 χ^2/NDF:4292941.8/37

All: 0.000+/-0.000 χ^2/NDF: 10128388.0/73

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:12.9/19

Left: -0.022+/-0.015 χ^2/NDF: 37.9/39

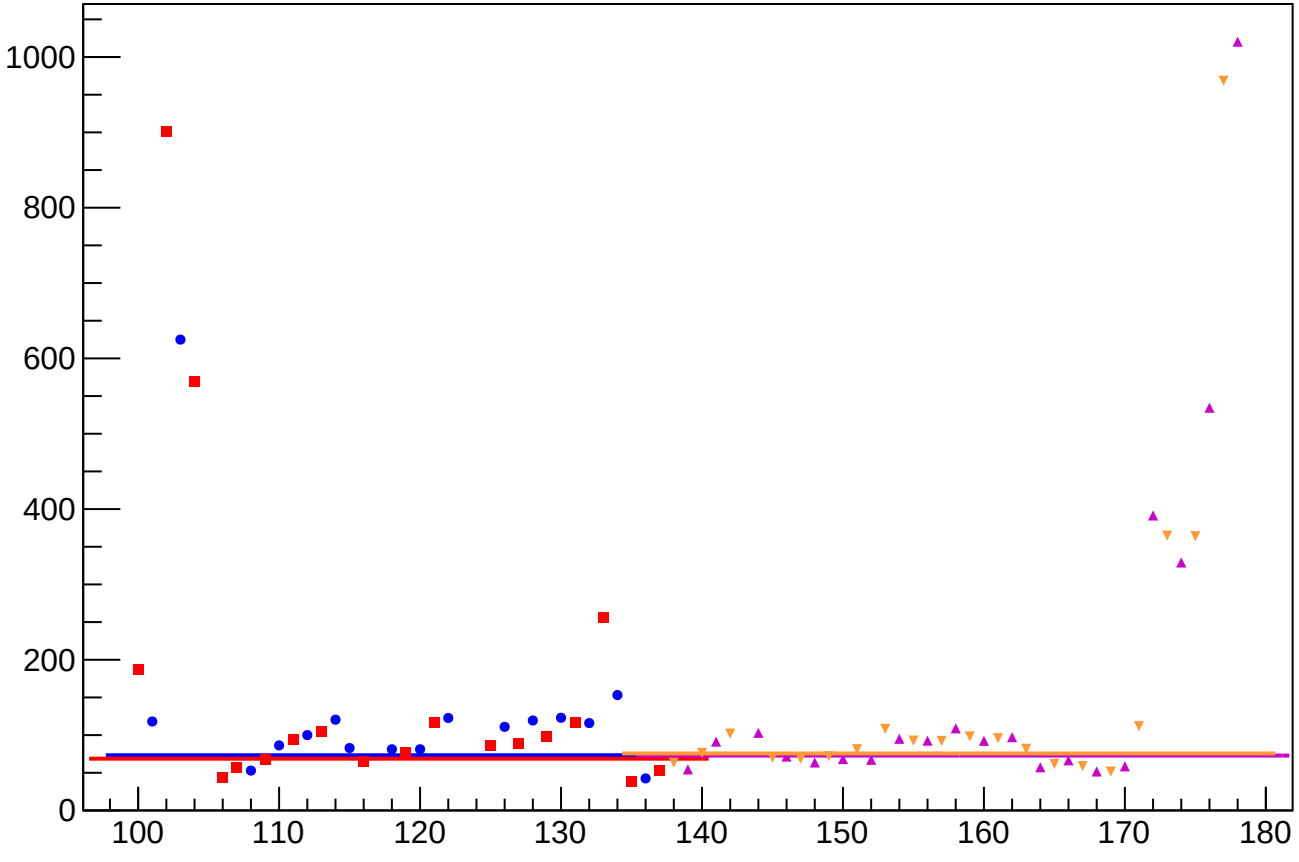
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.009+/-0.018 χ^2/NDF:23.5/35

Out: -0.058+/-0.018 χ^2/NDF:31.9/37

All: -0.024+/-0.013 χ^2/NDF: 62.3/73

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: 72.860+/-0.015 χ^2/NDF:5571006.3/19

Left: 74.205+/-0.011 χ^2/NDF: 9864402.1/39

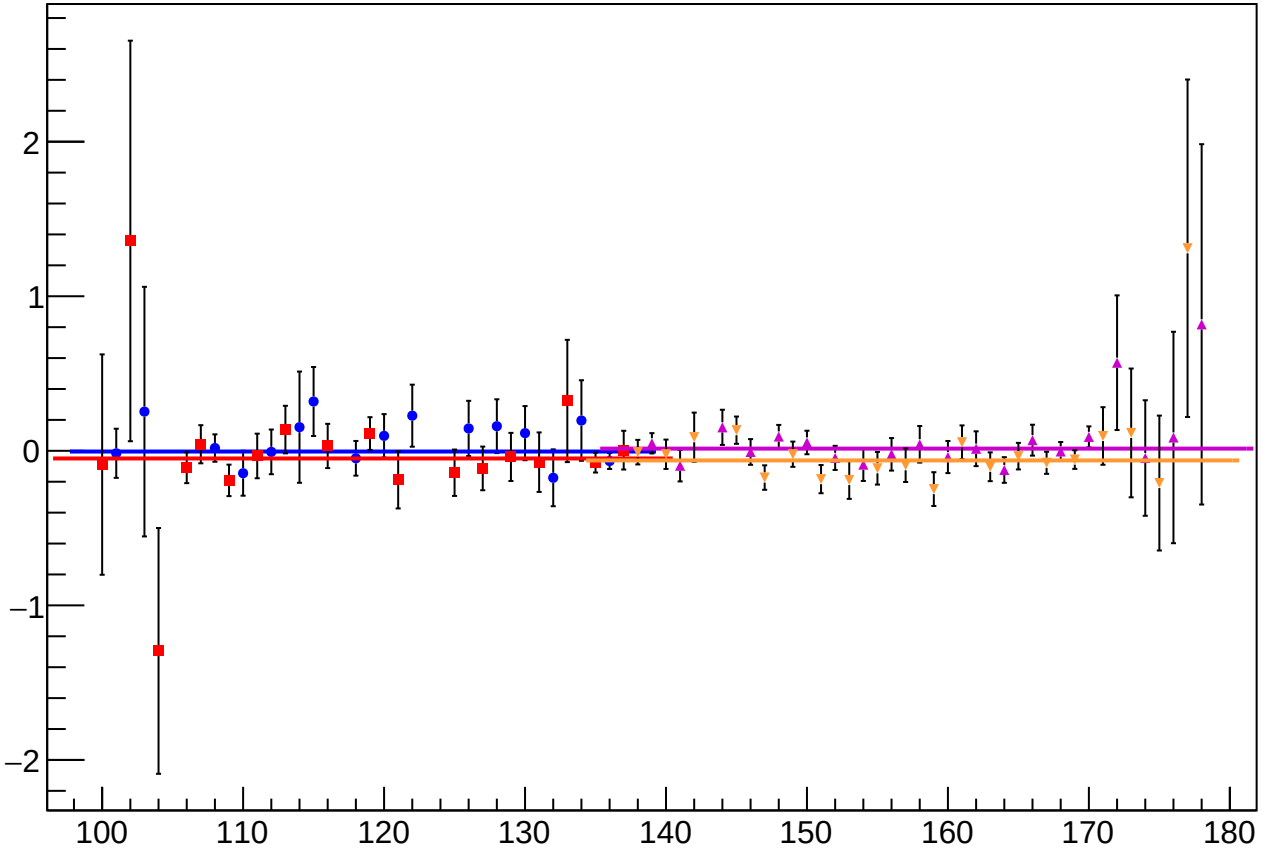
Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 72.973+/-0.013 χ^2/NDF:8425796.4/35

Out: 73.394+/-0.013 χ^2/NDF:7672998.6/37

All: 73.178+/-0.009 χ^2/NDF: 16099346.7/73

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:12.9/19

Left: -0.022+/-0.015 χ^2/NDF: 37.9/39

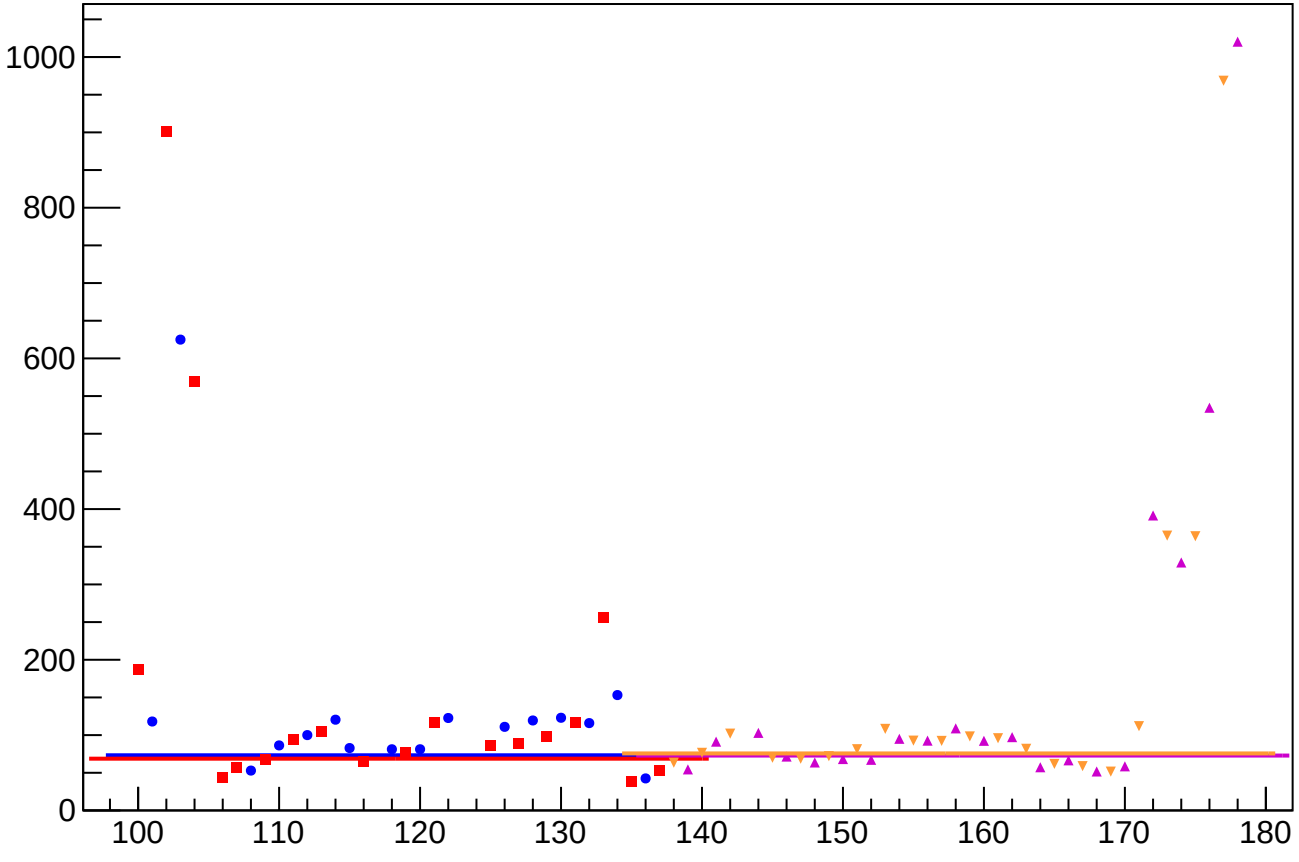
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.009+/-0.018 χ^2/NDF:23.5/35

Out: -0.058+/-0.018 χ^2/NDF:31.9/37

All: -0.024+/-0.013 χ^2/NDF: 62.3/73

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: 72.860+/-0.015 χ^2/NDF:5571006.3/19

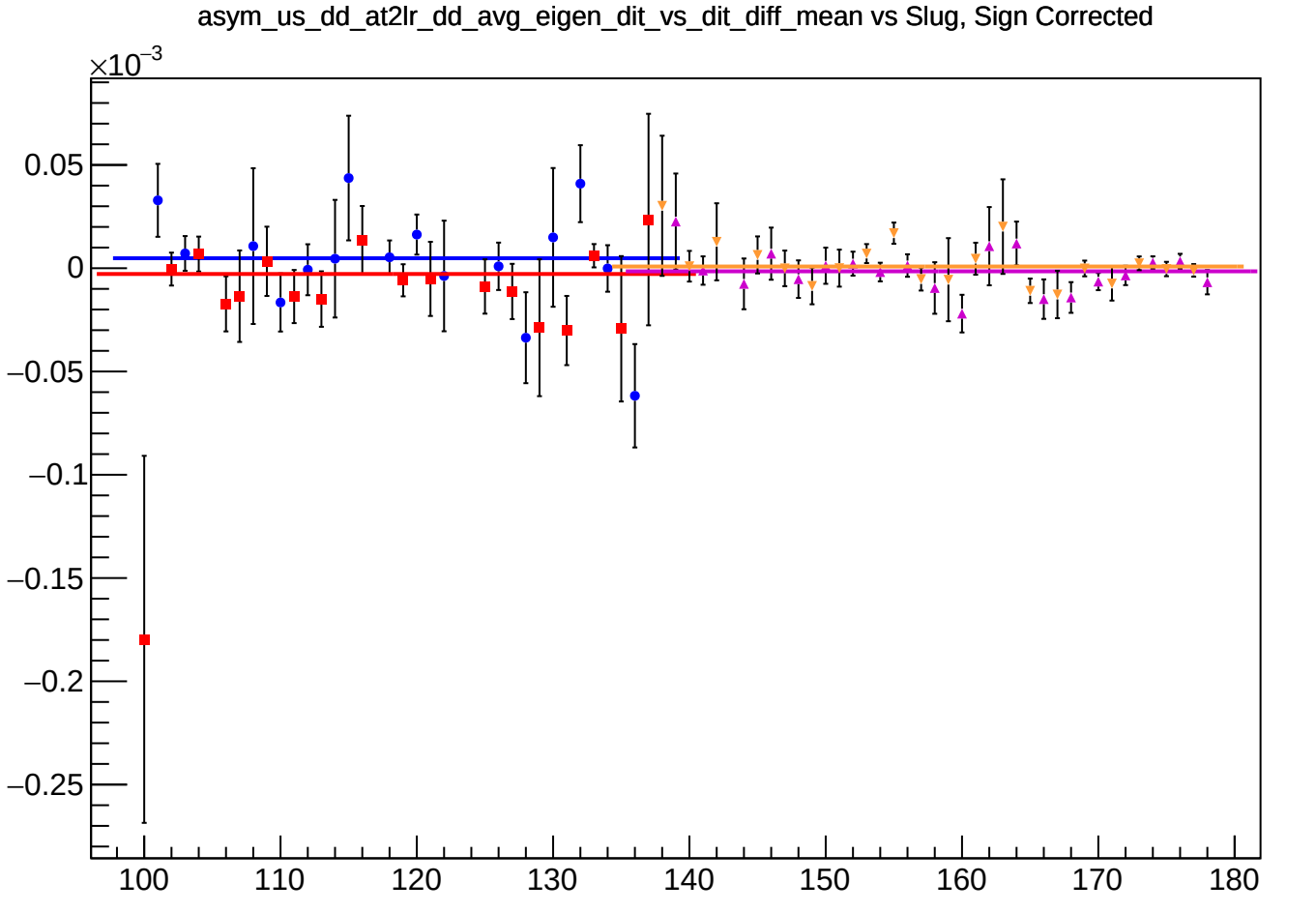
Left: 74.205+/-0.011 χ^2/NDF: 9864402.1/39

Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

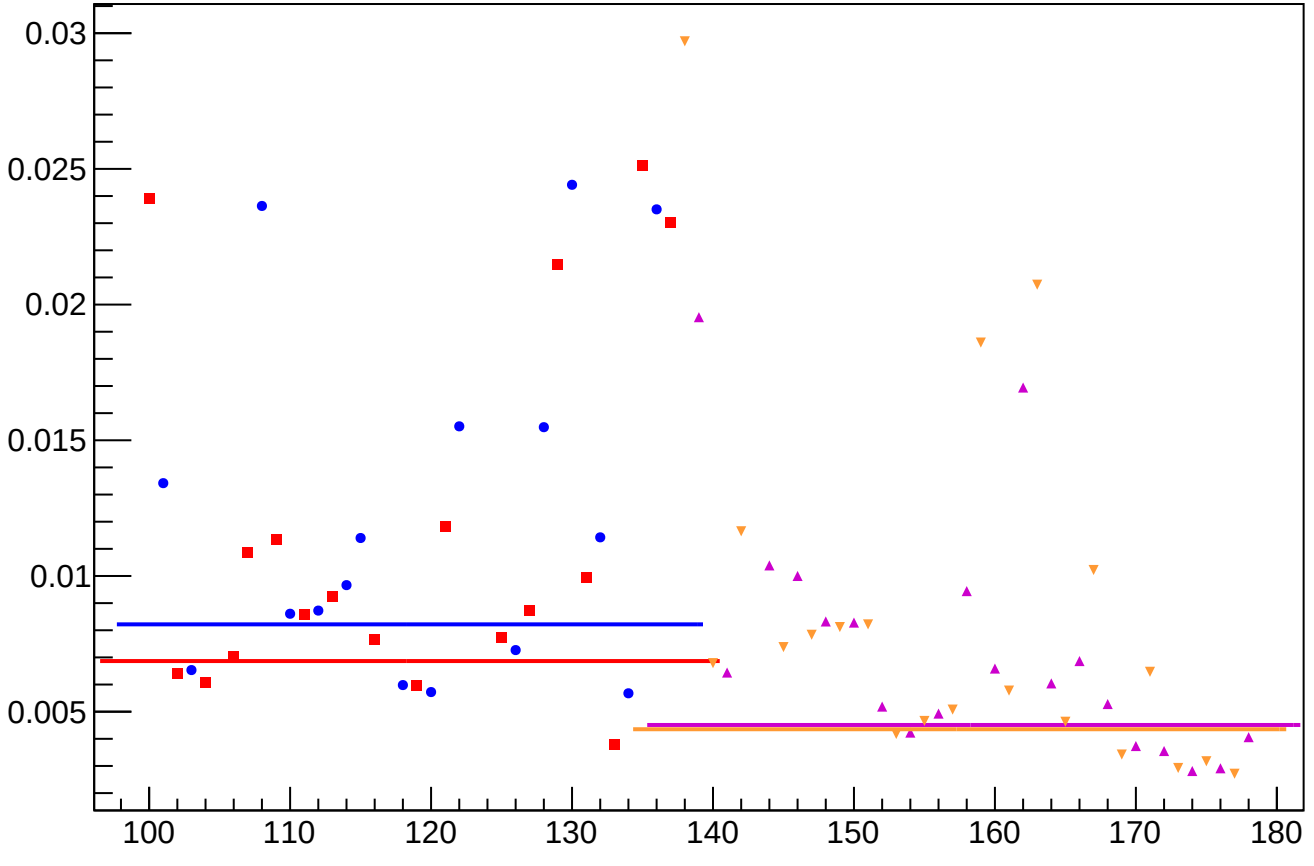
In: 72.973+/-0.013 χ^2/NDF:8425796.4/35

Out: 73.394+/-0.013 χ^2/NDF:7672998.6/37

All: 73.178+/-0.009 χ^2/NDF: 16099346.7/73


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 22.6/15
Left Out: 0.000+/-0.000 χ²/NDF:23.8/19
Right Out: -0.000+/-0.000 χ²/NDF: 16.8/17
Left In: -0.000+/-0.000 χ²/NDF:21.2/19
Left: -0.000+/-0.000 χ²/NDF: 46.5/39
Right: 0.000+/-0.000 χ²/NDF: 42.2/33
In: -0.000+/-0.000 χ²/NDF:46.6/35
Out: 0.000+/-0.000 χ²/NDF:41.9/37
All: -0.000+/-0.000 χ²/NDF: 88.8/73

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 2656170.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:7016089.3/19

Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

Left In: 0.005+/-0.000 χ^2/NDF:5226312.9/19

Left: 0.004+/-0.000 χ^2/NDF: 12256672.4/39

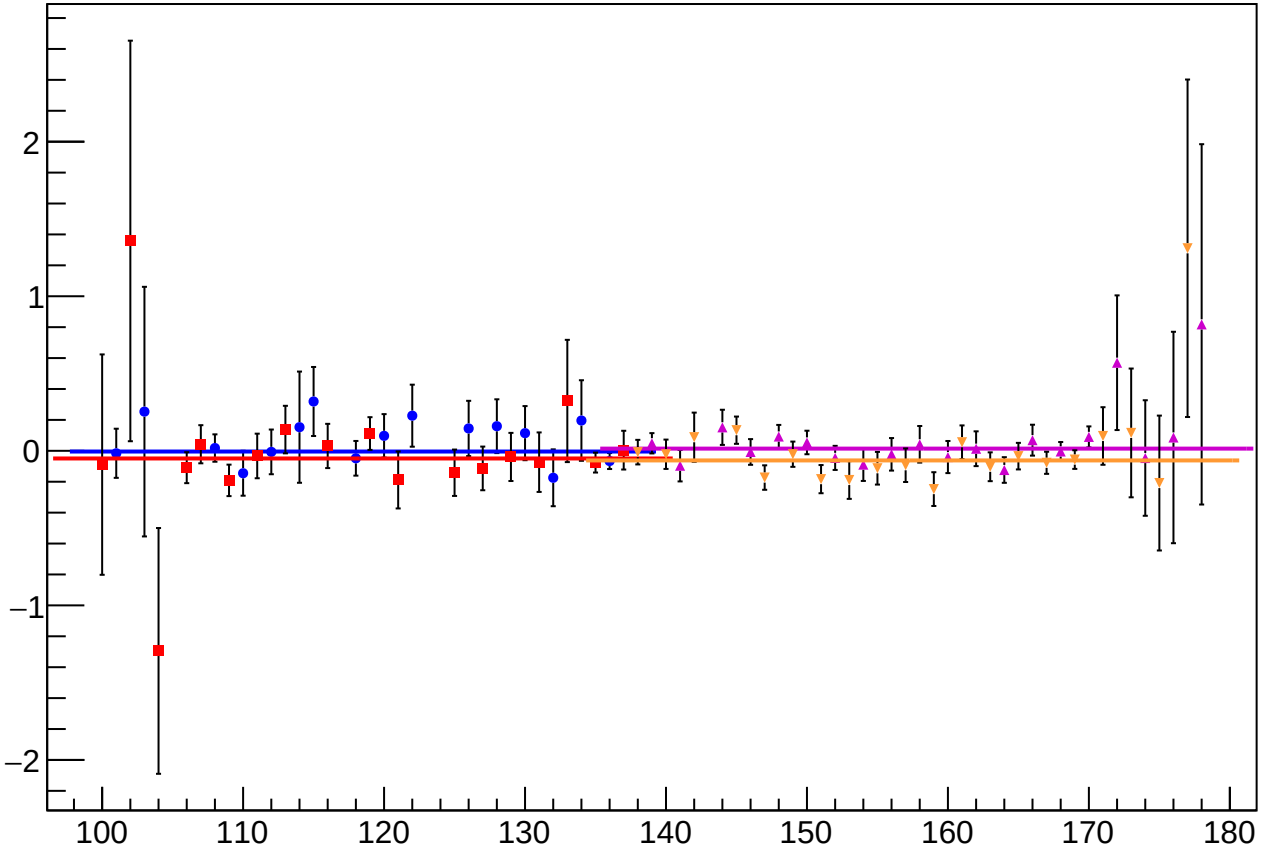
Right: 0.007+/-0.000 χ^2/NDF: 5263403.5/33

In: 0.005+/-0.000 χ^2/NDF:9843527.9/35

Out: 0.005+/-0.000 χ^2/NDF:10747928.9/37

All: 0.005+/-0.000 χ^2/NDF: 20623136.7/73

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:12.9/19

Left: -0.022+/-0.015 χ^2/NDF: 37.9/39

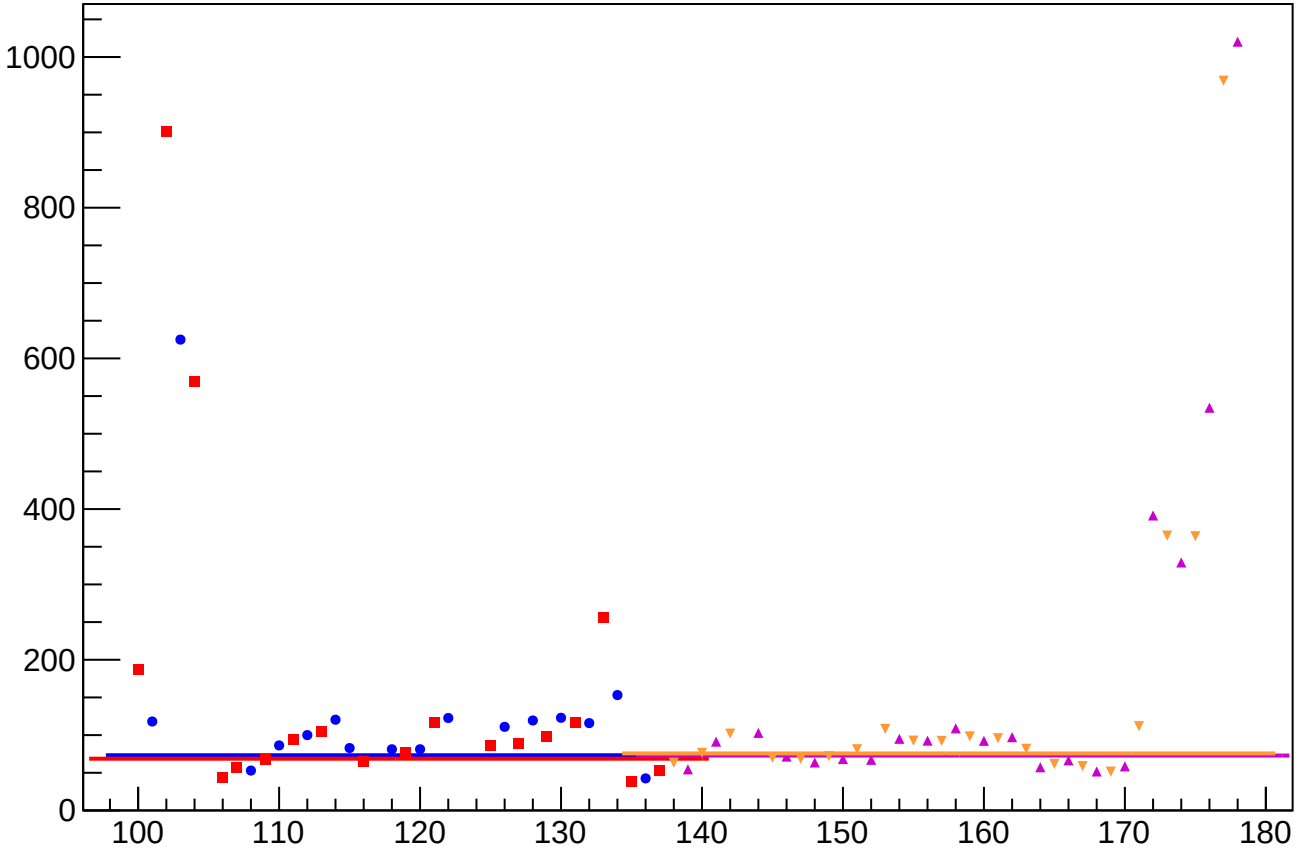
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.009+/-0.018 χ^2/NDF:23.5/35

Out: -0.058+/-0.018 χ^2/NDF:31.9/37

All: -0.024+/-0.013 χ^2/NDF: 62.3/73

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: 72.861+/-0.015 χ^2/NDF:5570738.2/19

Left: 74.205+/-0.011 χ^2/NDF: 9864033.6/39

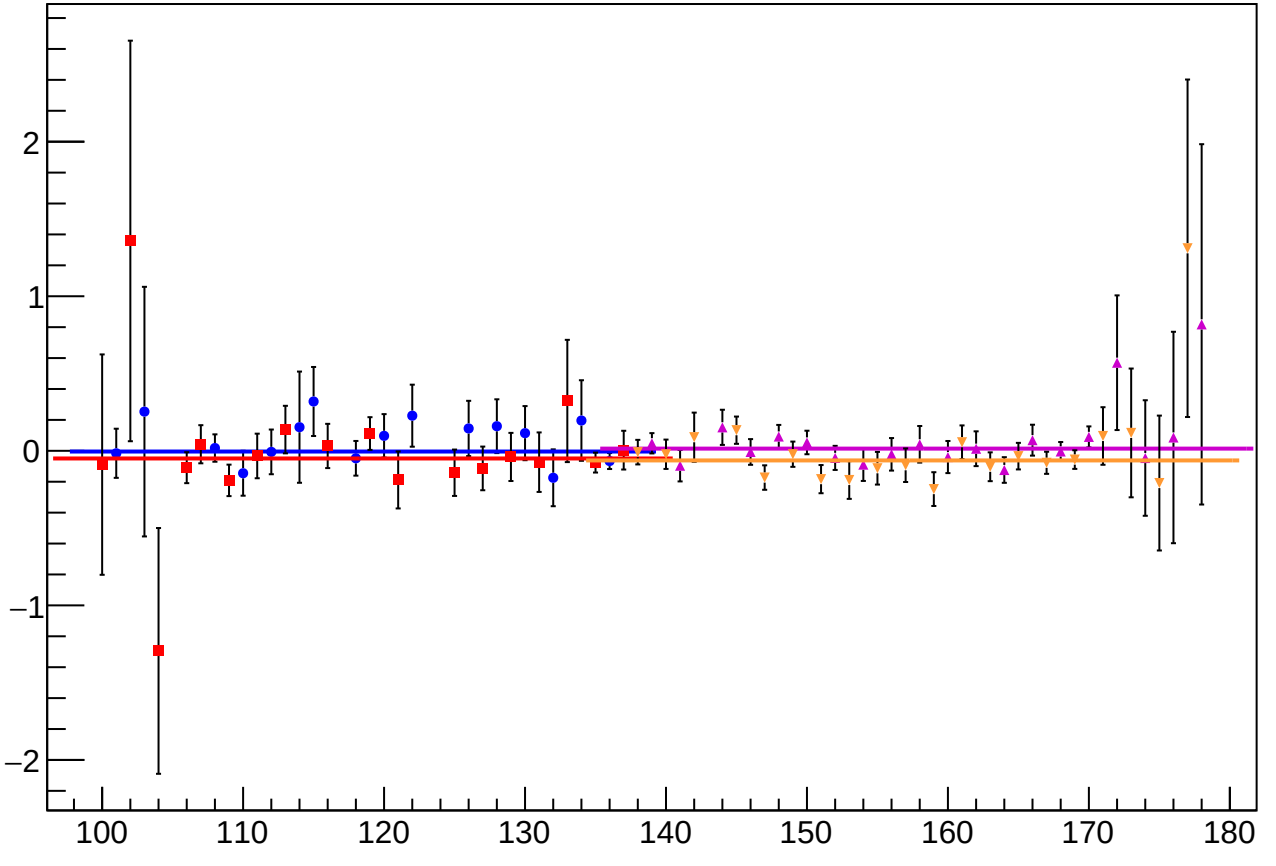
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 72.981+/-0.013 χ^2/NDF:8423258.5/35

Out: 73.389+/-0.013 χ^2/NDF:7674127.8/37

All: 73.180+/-0.009 χ^2/NDF: 16097905.8/73

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:12.9/19

Left: -0.022+/-0.015 χ^2/NDF: 37.9/39

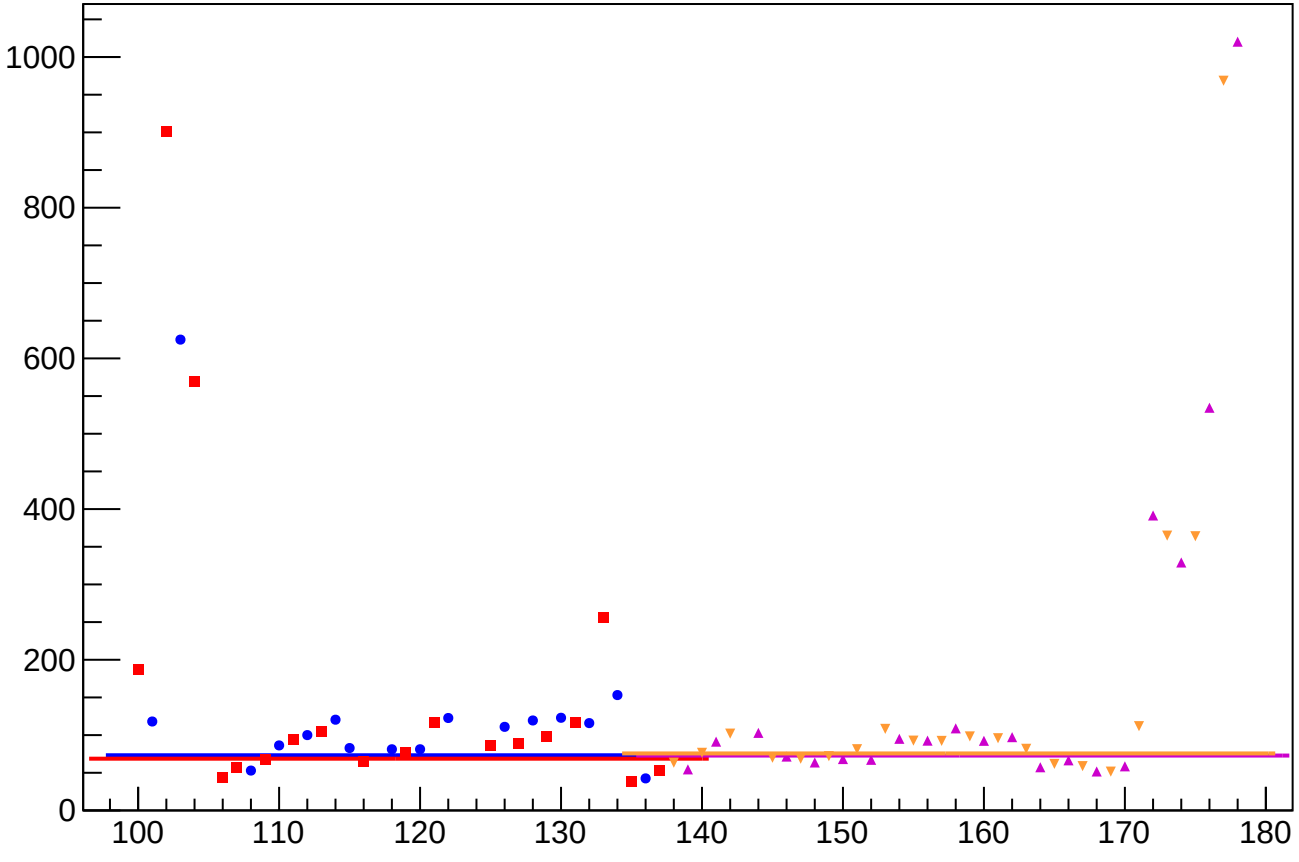
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.009+/-0.018 χ^2/NDF:23.5/35

Out: -0.058+/-0.018 χ^2/NDF:31.9/37

All: -0.024+/-0.013 χ^2/NDF: 62.3/73

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: 72.861+/-0.015 χ^2/NDF:5570738.2/19

Left: 74.205+/-0.011 χ^2/NDF: 9864033.6/39

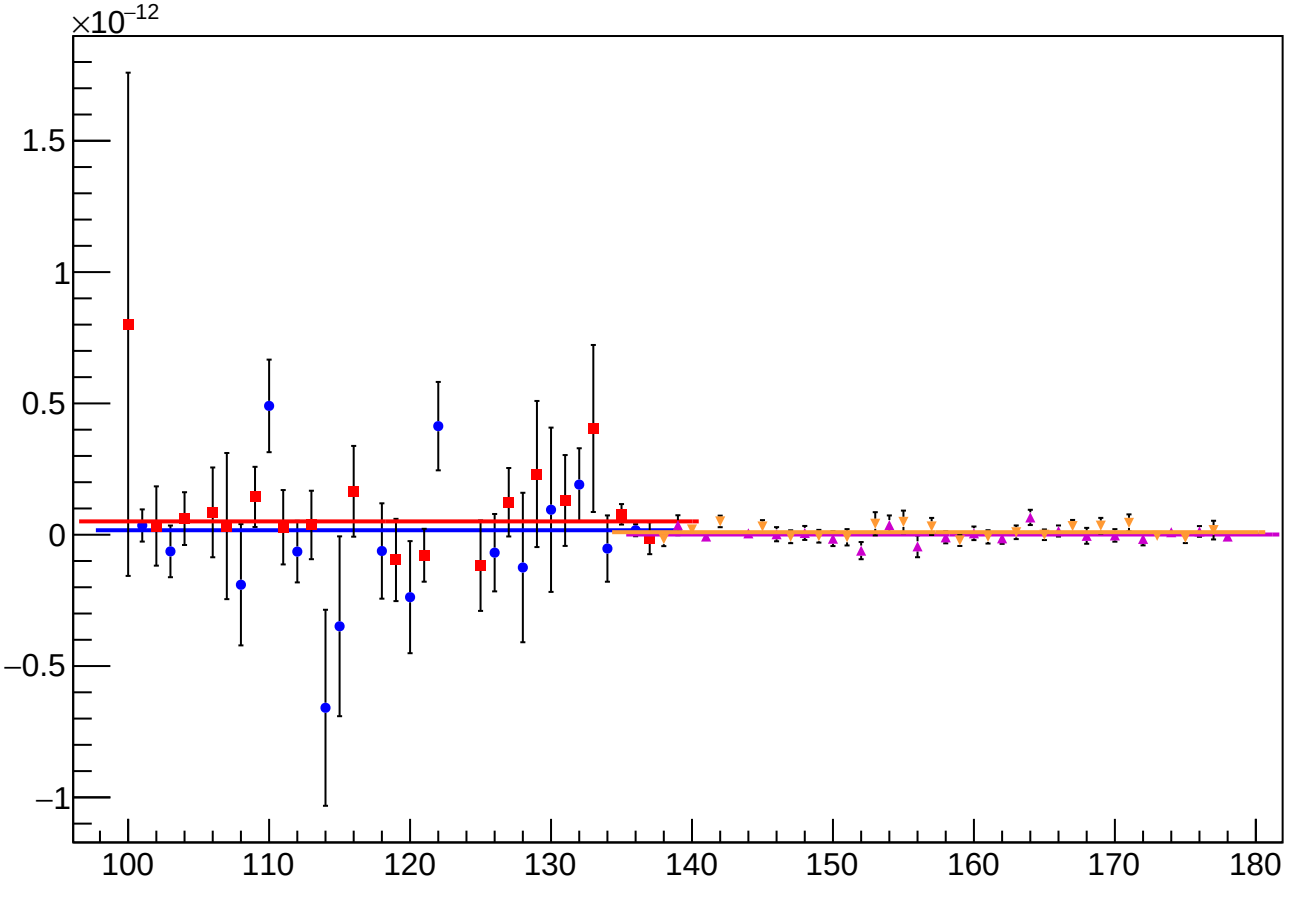
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 72.981+/-0.013 χ^2/NDF:8423258.5/35

Out: 73.389+/-0.013 χ^2/NDF:7674127.8/37

All: 73.180+/-0.009 χ^2/NDF: 16097905.8/73

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: 0.000+/-0.000 χ^2/NDF:14.5/19

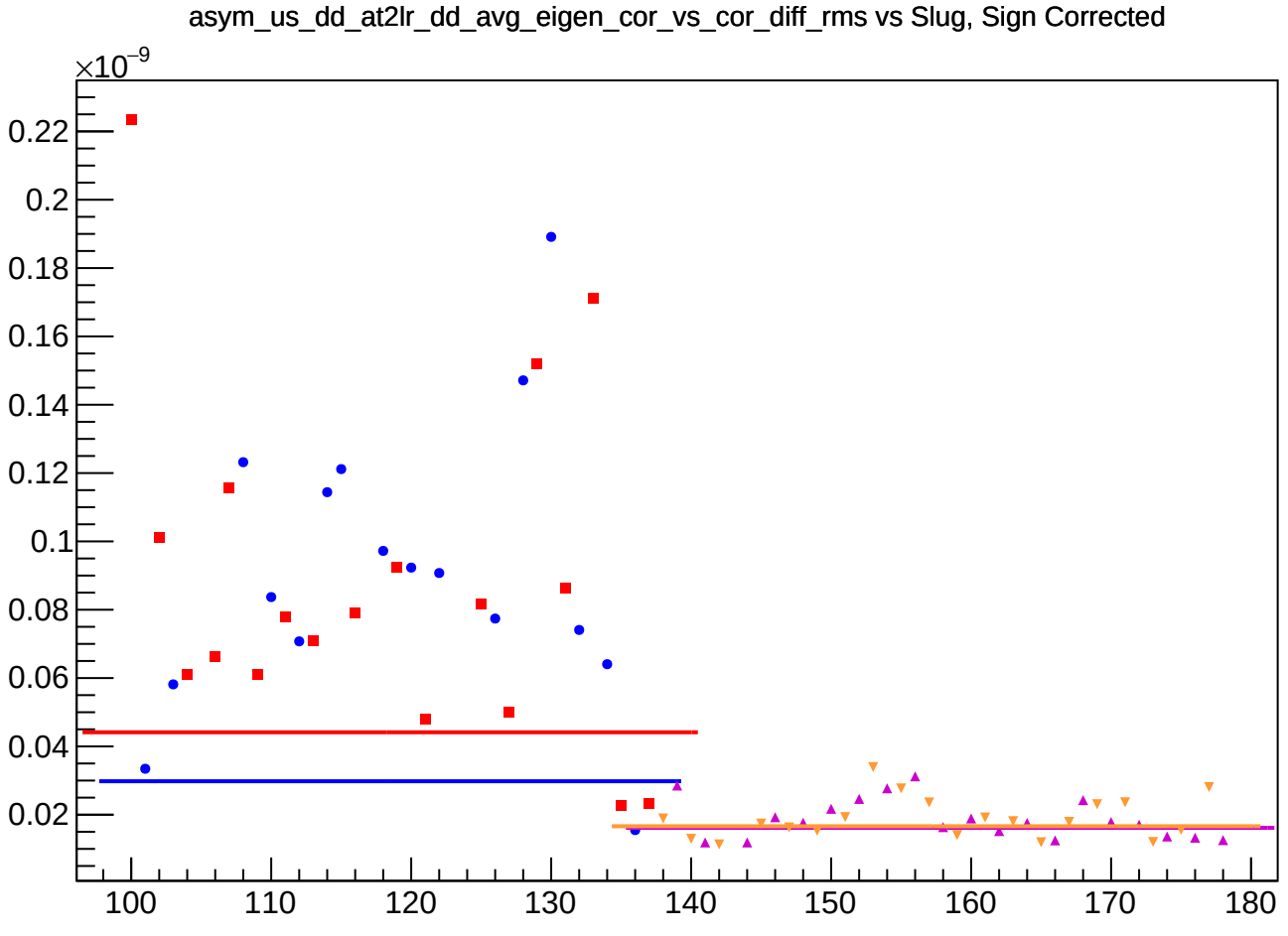
Left: 0.000+/-0.000 χ^2/NDF: 32.1/39

Right: 0.000+/-0.000 χ^2/NDF: 33.6/33

In: 0.000+/-0.000 χ^2/NDF:38.6/35

Out: 0.000+/-0.000 χ^2/NDF:27.9/37

All: 0.000+/-0.000 χ^2/NDF: 68.2/73



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:1595601.5/19

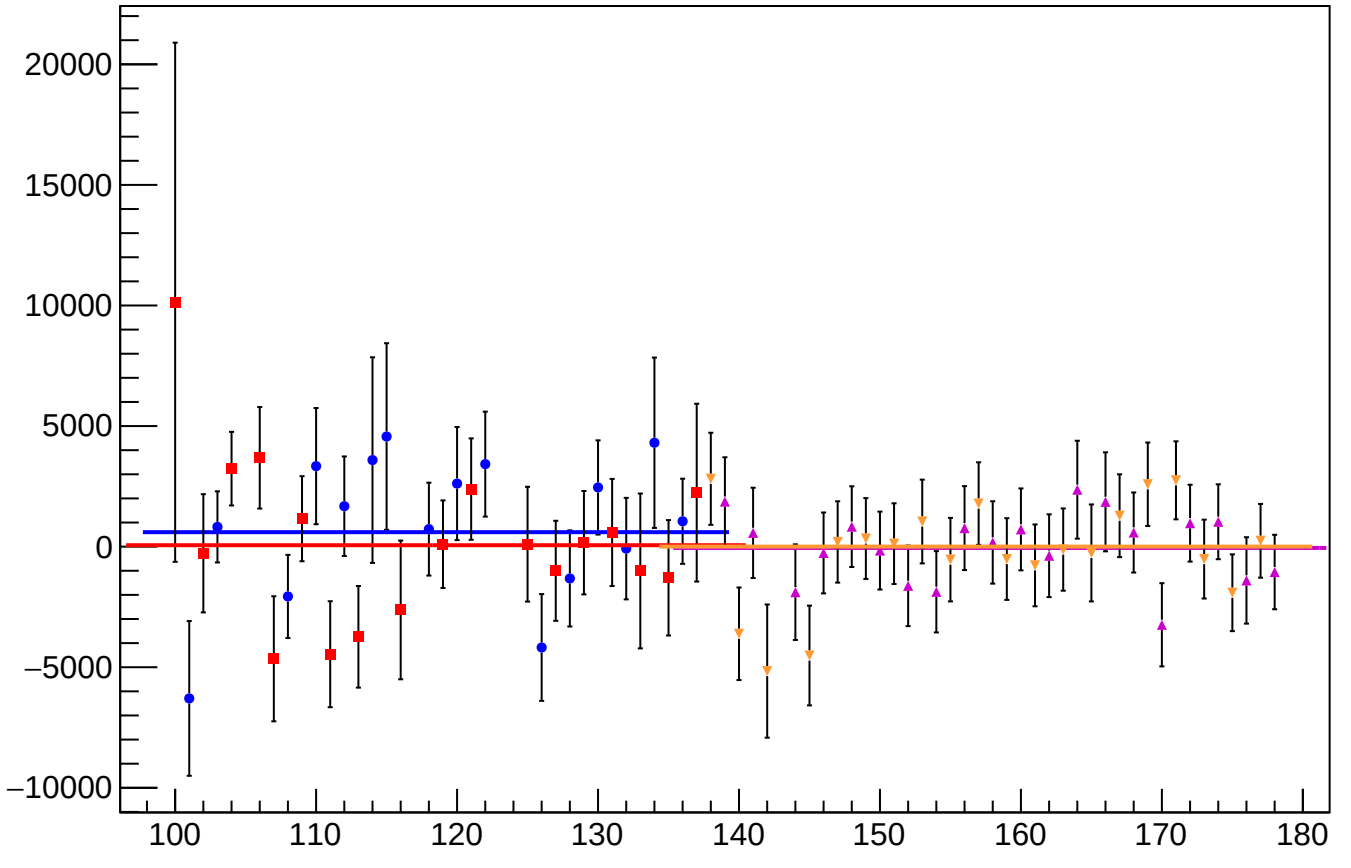
Left: 0.000+/-0.000 χ^2/NDF: 3081153.5/39

Right: 0.000+/-0.000 χ^2/NDF: 7274202.8/33

In: 0.000+/-0.000 χ^2/NDF:6602833.3/35

Out: 0.000+/-0.000 χ^2/NDF:6600303.8/37

All: 0.000+/-0.000 χ^2/NDF: 13228891.8/73



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: -53.218+/-385.794 χ^2/NDF:12.6/19

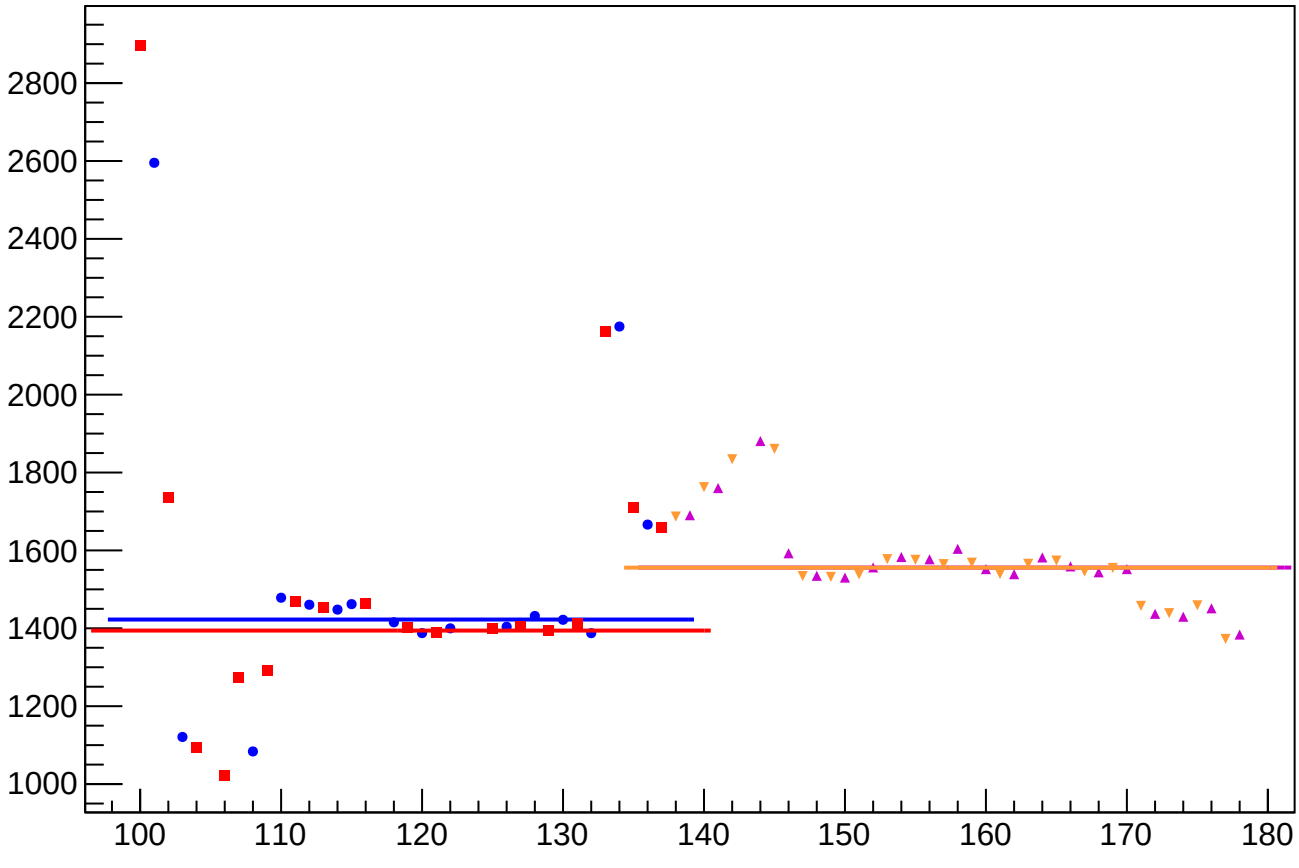
Left: -25.666+/-274.828 χ^2/NDF: 35.8/39

Right: 324.641+/-378.346 χ^2/NDF: 43.4/33

In: 167.545+/-313.922 χ^2/NDF:33.9/35

Out: 22.617+/-314.999 χ^2/NDF:45.7/37

All: 95.329+/-222.356 χ^2/NDF: 79.7/73



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: 1555.961+/-0.273 χ^2/NDF:149095.5/19

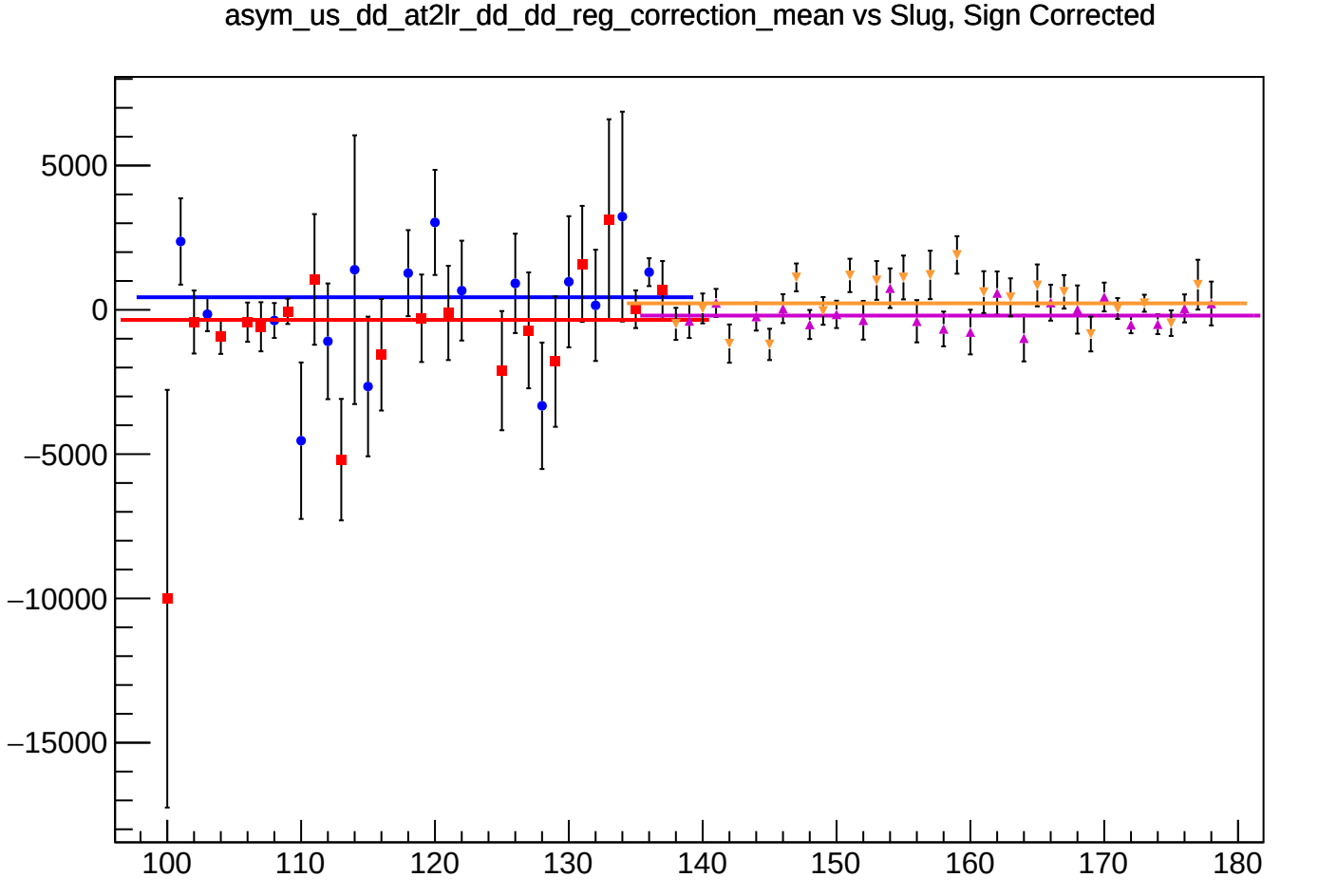
Left: 1555.865+/-0.194 χ^2/NDF: 301363.4/39

Right: 1408.082+/-0.268 χ^2/NDF: 956730.5/33

In: 1510.871+/-0.222 χ^2/NDF:790208.6/35

Out: 1498.729+/-0.223 χ^2/NDF:666142.4/37

All: 1504.821+/-0.157 χ^2/NDF: 1457841.8/73



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: -199.196+/-118.123 χ^2/NDF:11.5/19

Left: 9.833+/-84.169 χ^2/NDF: 56.2/39

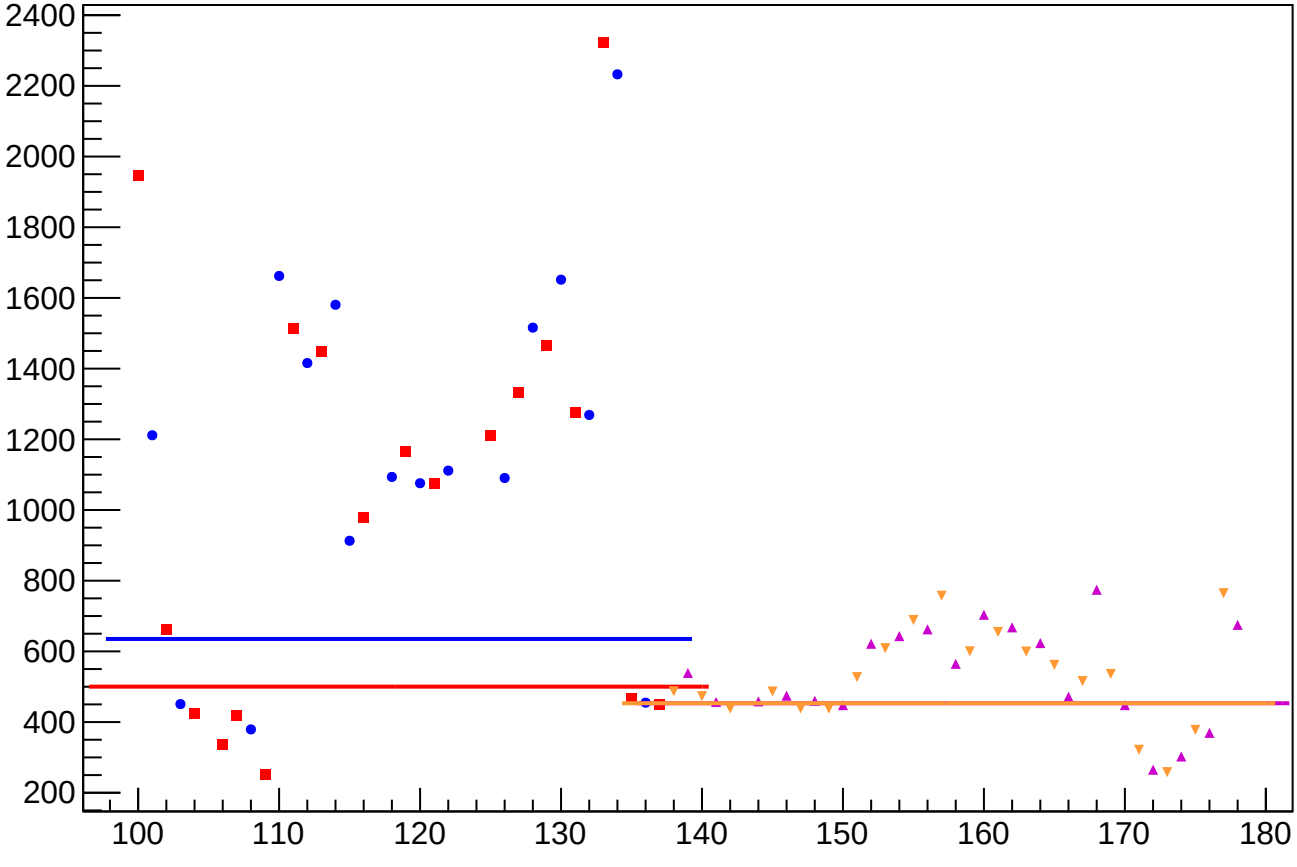
Right: -20.548+/-178.349 χ^2/NDF: 38.0/33

In: -100.731+/-108.590 χ^2/NDF:35.3/35

Out: 105.758+/-106.728 χ^2/NDF:57.1/37

All: 4.299+/-76.118 χ^2/NDF: 94.2/73

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: 453.246+/-0.084 χ^2/NDF:2746456.9/19

Left: 453.272+/-0.060 χ^2/NDF: 5287943.8/39

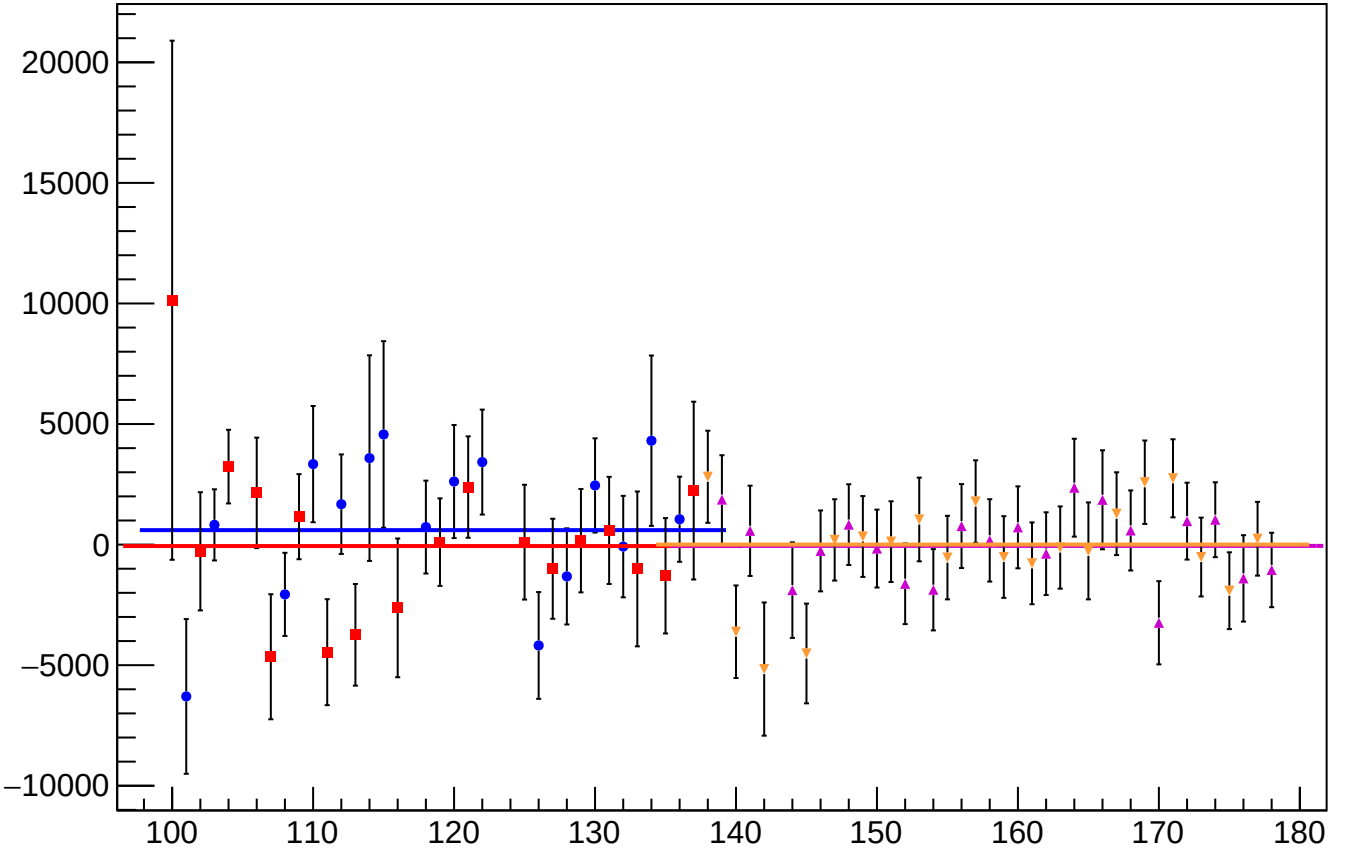
Right: 556.596+/-0.126 χ^2/NDF: 8340019.1/33

In: 481.419+/-0.077 χ^2/NDF:7233552.8/35

Out: 463.084+/-0.075 χ^2/NDF:6914398.2/37

All: 472.093+/-0.054 χ^2/NDF: 14176953.1/73

cor_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected



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: -53.263+/-385.794 χ^2/NDF:12.6/19

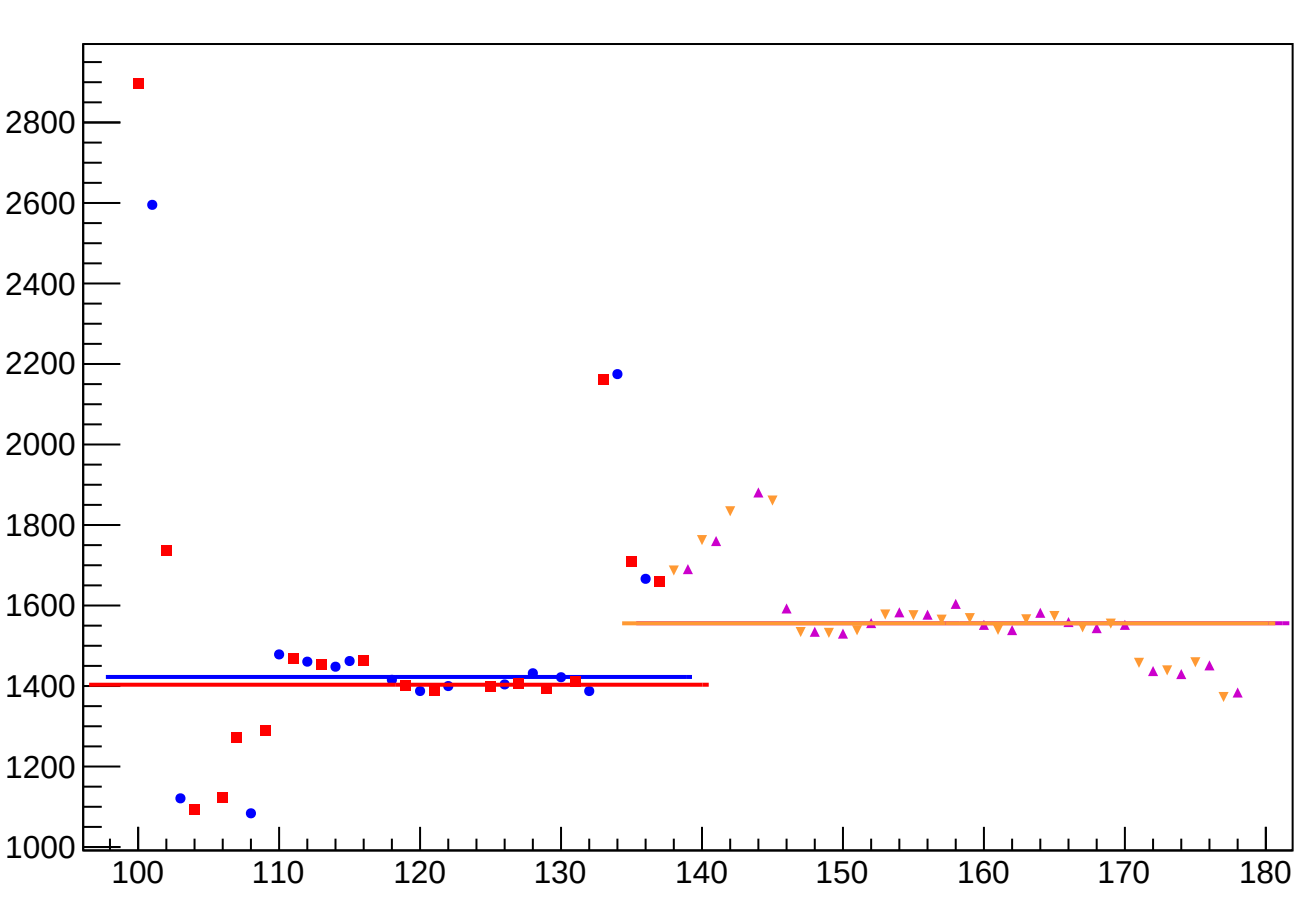
Left: -25.695+/-274.828 χ^2/NDF: 35.8/39

Right: 265.381+/-379.294 χ^2/NDF: 41.4/33

In: 167.473+/-313.922 χ^2/NDF:33.9/35

Out: -19.410+/-315.546 χ^2/NDF:43.5/37

All: 74.513+/-222.548 χ^2/NDF: 77.6/73



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: 1555.961+/-0.273 χ^2/NDF:149095.5/19

Left: 1555.865+/-0.194 χ^2/NDF: 301363.4/39

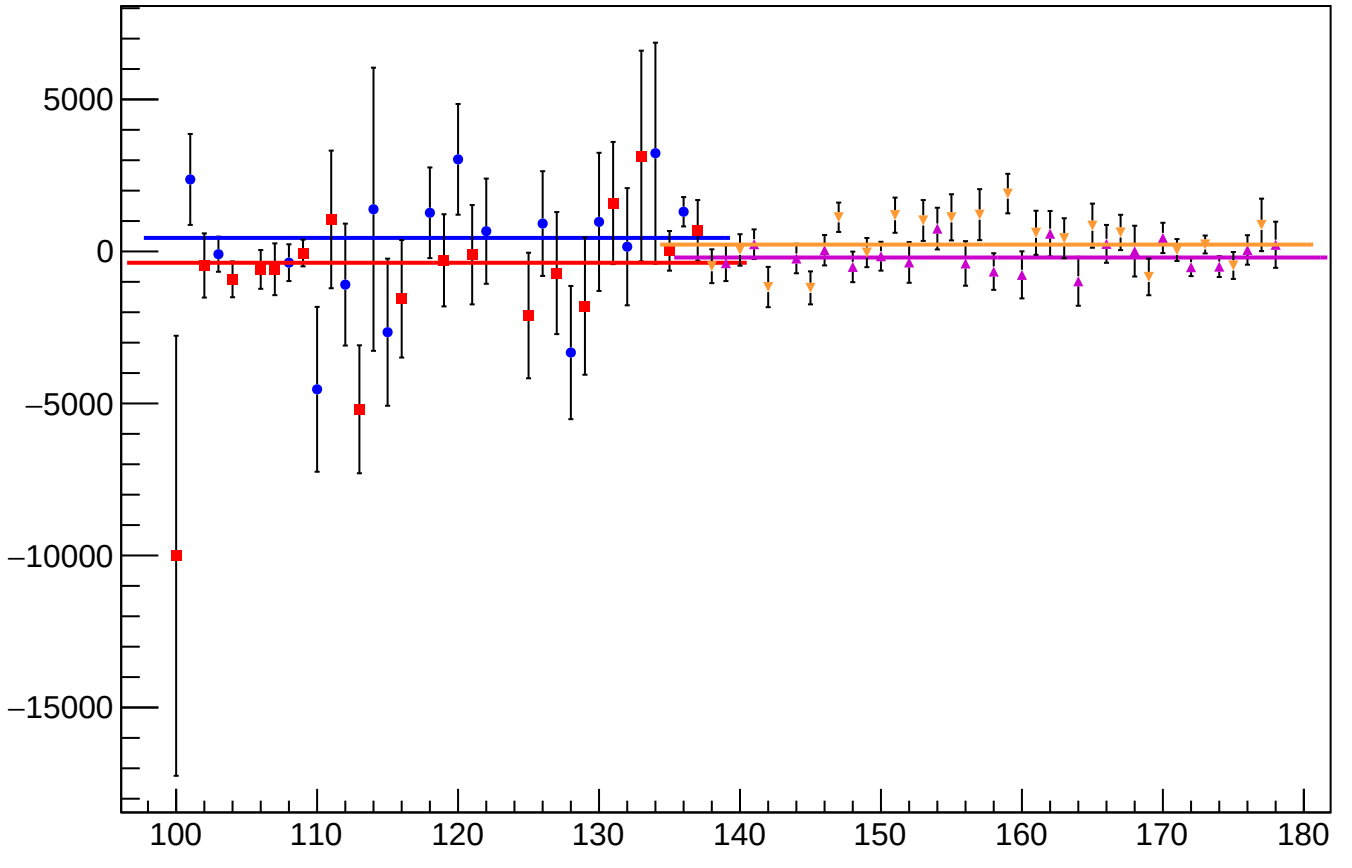
Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1510.871+/-0.222 χ^2/NDF:790209.0/35

Out: 1502.266+/-0.223 χ^2/NDF:617821.7/37

All: 1506.591+/-0.157 χ^2/NDF: 1408778.1/73

asym_us_dd_at2lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 225.452+/-119.964 χ^2/NDF:38.4/19

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -199.363+/-118.124 χ^2/NDF:11.5/19

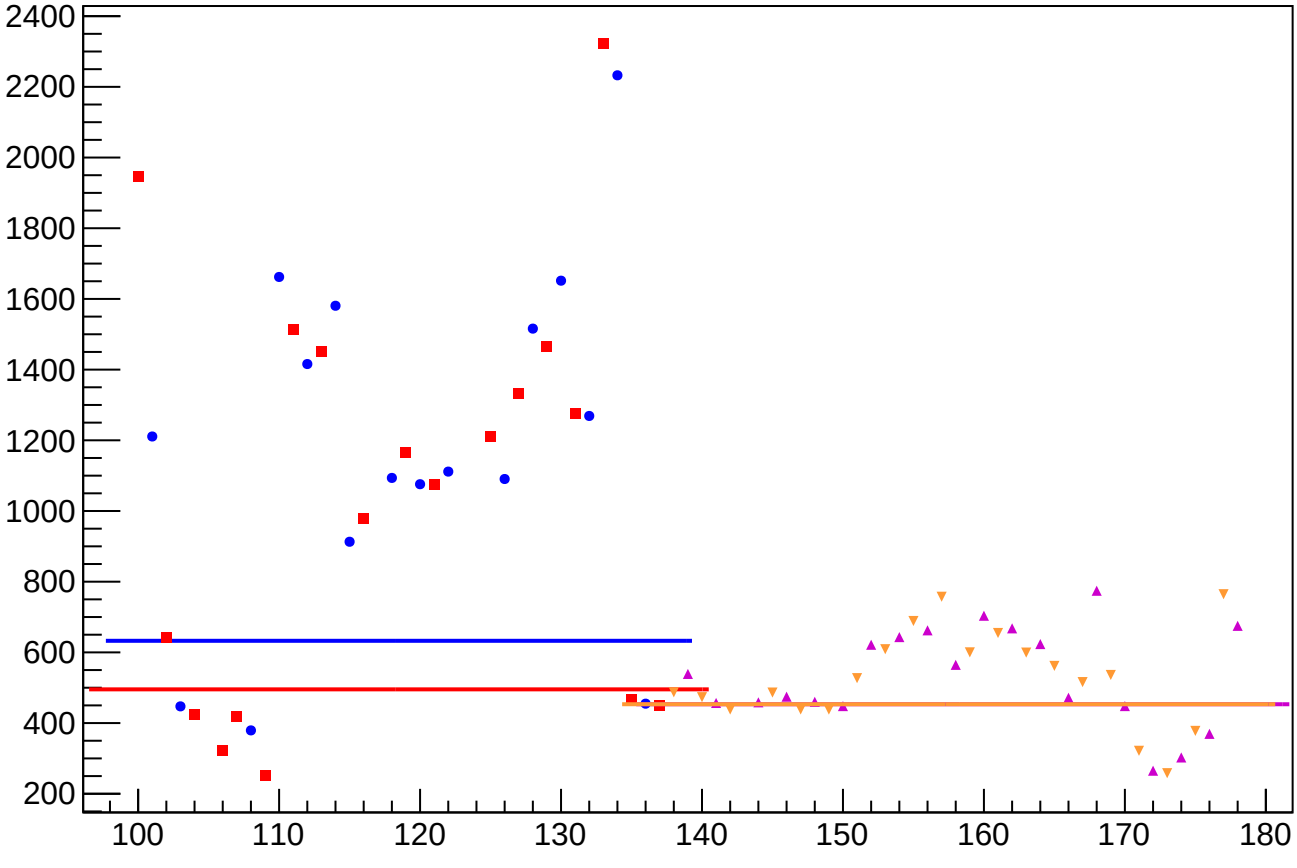
Left: 9.762+/-84.169 χ^2/NDF: 56.2/39

Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: -98.812+/-108.519 χ^2/NDF:35.3/35

Out: 98.738+/-106.498 χ^2/NDF:57.7/37

All: 1.819+/-76.010 χ^2/NDF: 94.7/73



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: 453.251+/-0.084 χ^2/NDF:2746175.7/19

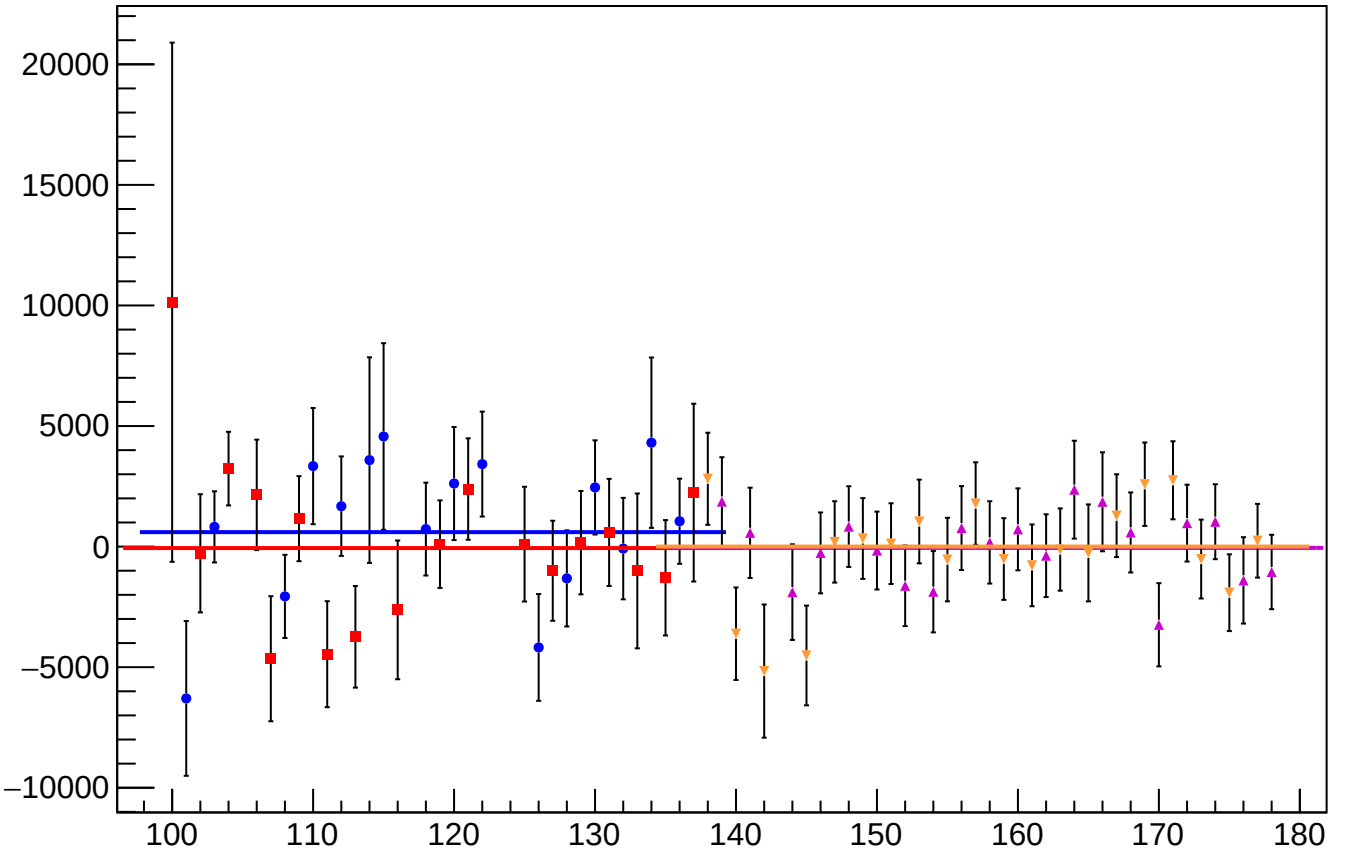
Left: 453.275+/-0.060 χ^2/NDF: 5287904.3/39

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 481.257+/-0.077 χ^2/NDF:7234460.0/35

Out: 462.216+/-0.075 χ^2/NDF:6931361.4/37

All: 471.557+/-0.054 χ^2/NDF: 14197186.7/73



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: -53.263+/-385.794 χ^2/NDF:12.6/19

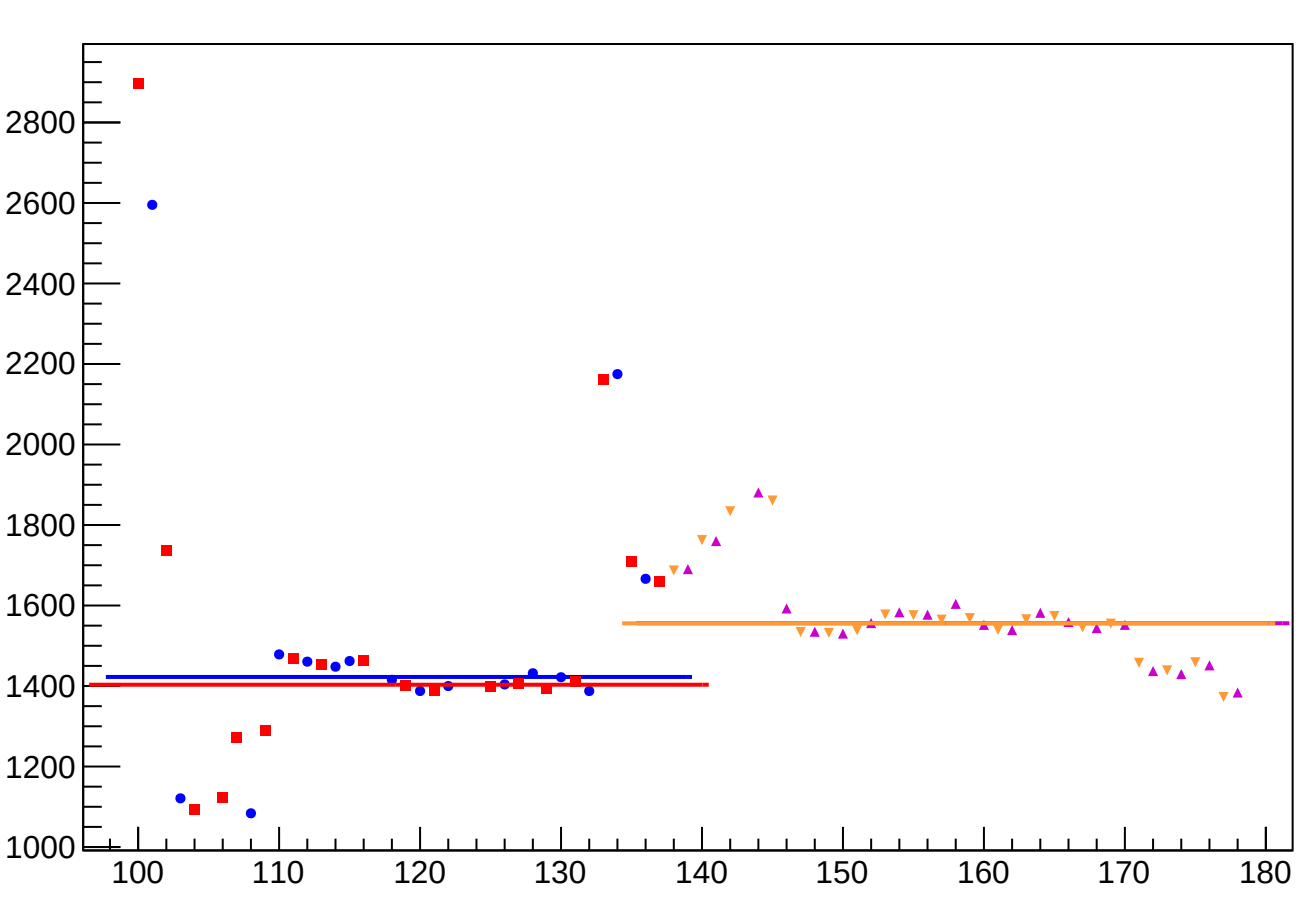
Left: -25.695+/-274.828 χ^2/NDF: 35.8/39

Right: 265.381+/-379.294 χ^2/NDF: 41.4/33

In: 167.473+/-313.922 χ^2/NDF:33.9/35

Out: -19.410+/-315.546 χ^2/NDF:43.5/37

All: 74.513+/-222.548 χ^2/NDF: 77.6/73



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: 1555.961+/-0.273 χ^2/NDF:149095.5/19

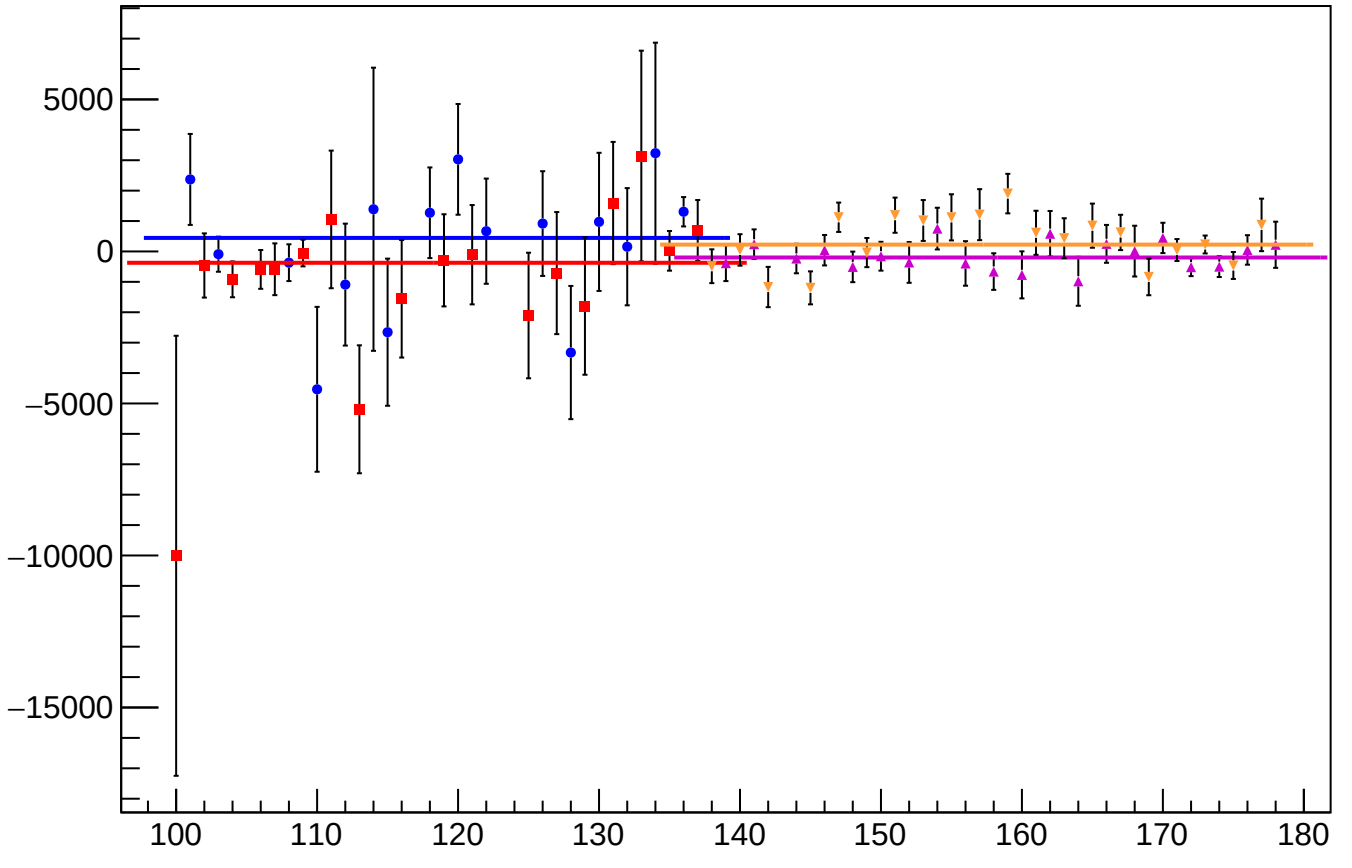
Left: 1555.865+/-0.194 χ^2/NDF: 301363.4/39

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1510.871+/-0.222 χ^2/NDF:790209.0/35

Out: 1502.266+/-0.223 χ^2/NDF:617821.7/37

All: 1506.591+/-0.157 χ^2/NDF: 1408778.1/73



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: -199.363+/-118.124 χ^2/NDF:11.5/19

Left: 9.762+/-84.169 χ^2/NDF: 56.2/39

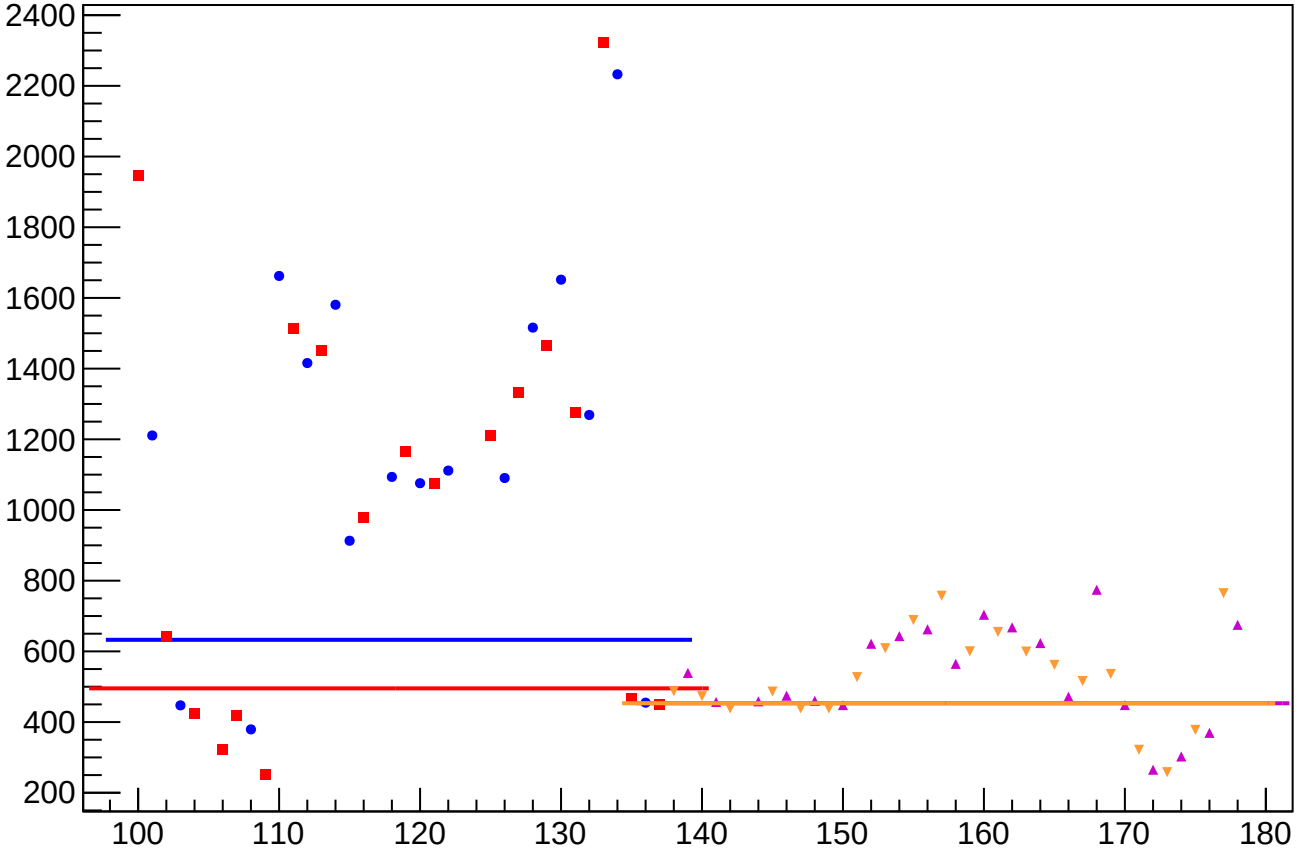
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: -98.812+/-108.519 χ^2/NDF:35.3/35

Out: 98.738+/-106.498 χ^2/NDF:57.7/37

All: 1.819+/-76.010 χ^2/NDF: 94.7/73

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: 453.251+/-0.084 χ^2/NDF:2746175.7/19

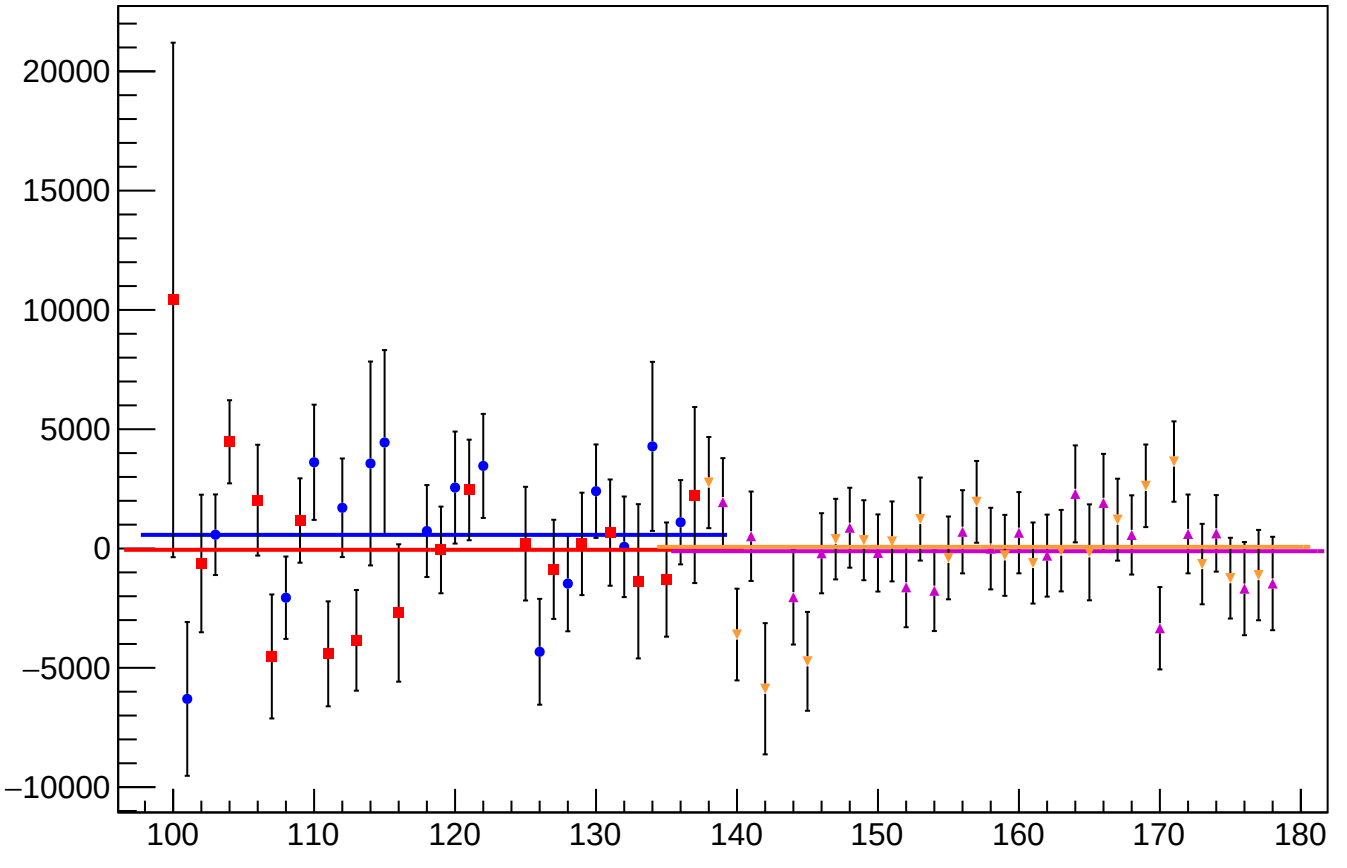
Left: 453.275+/-0.060 χ^2/NDF: 5287904.3/39

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 481.257+/-0.077 χ^2/NDF:7234460.0/35

Out: 462.216+/-0.075 χ^2/NDF:6931361.4/37

All: 471.557+/-0.054 χ^2/NDF: 14197186.7/73



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: -112.523+/-393.935 χ^2/NDF:12.4/19

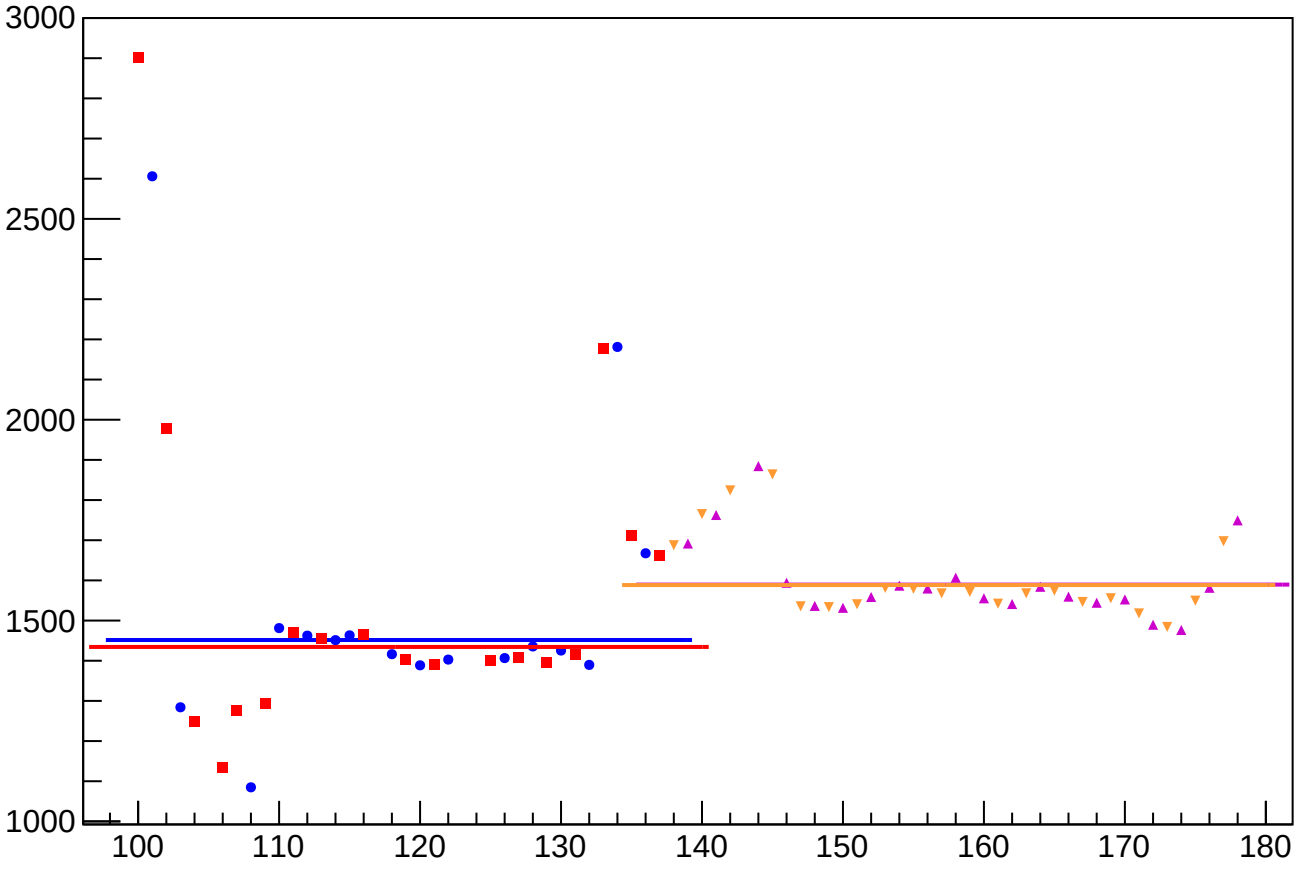
Left: -22.918+/-280.523 χ^2/NDF: 38.6/39

Right: 256.817+/-387.129 χ^2/NDF: 43.9/33

In: 119.875+/-320.190 χ^2/NDF:34.2/35

Out: 26.295+/-322.311 χ^2/NDF:48.6/37

All: 73.394+/-227.155 χ^2/NDF: 82.9/73



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: 1589.513+/-0.279 χ^2/NDF:108763.2/19

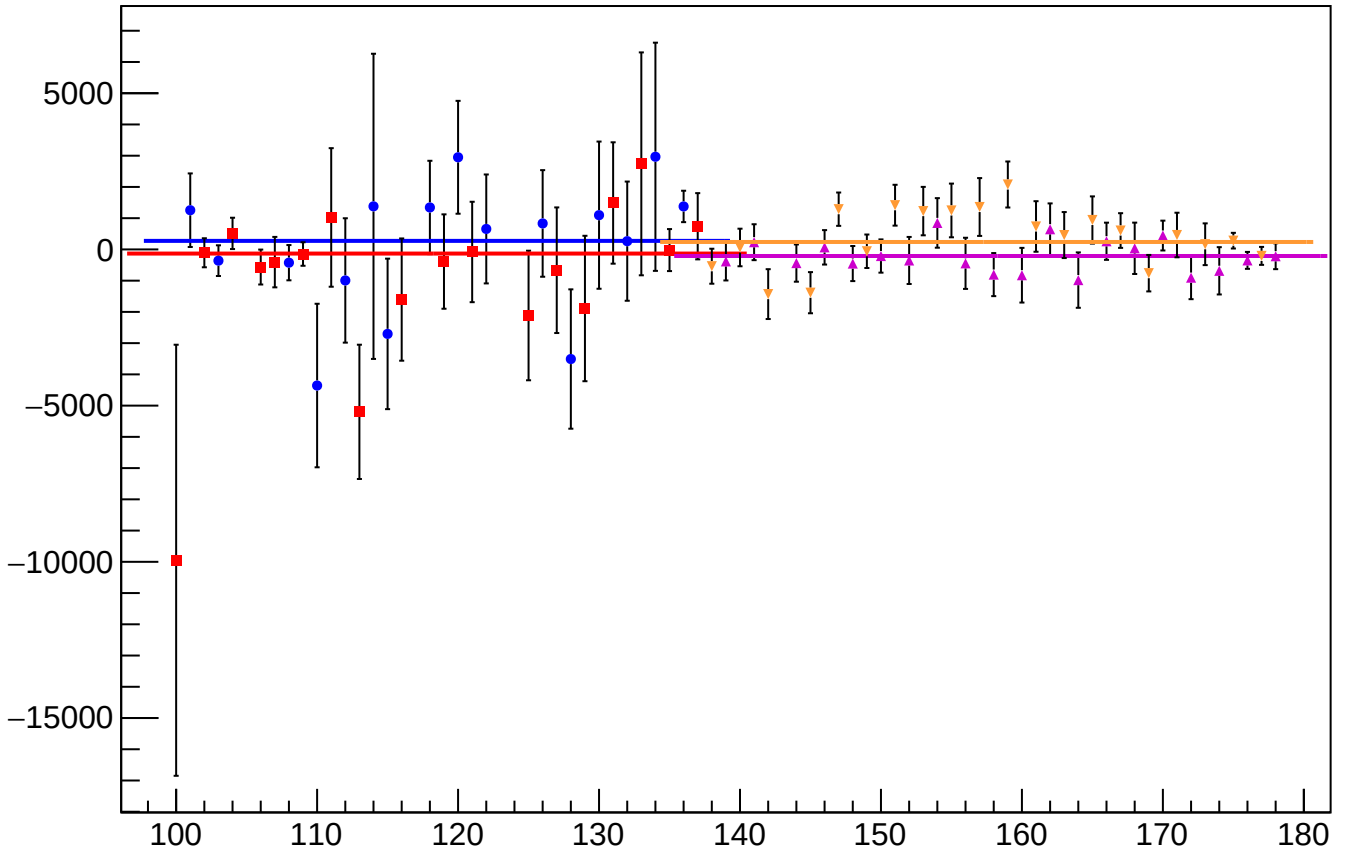
Left: 1588.982+/-0.198 χ^2/NDF: 210079.9/39

Right: 1442.883+/-0.274 χ^2/NDF: 817420.7/33

In: 1542.704+/-0.226 χ^2/NDF:679812.0/35

Out: 1534.604+/-0.228 χ^2/NDF:533831.4/37

All: 1538.681+/-0.161 χ^2/NDF: 1214279.1/73



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: -210.437+/-127.514 χ^2/NDF:10.5/19

Left: 26.342+/-87.643 χ^2/NDF: 54.9/39

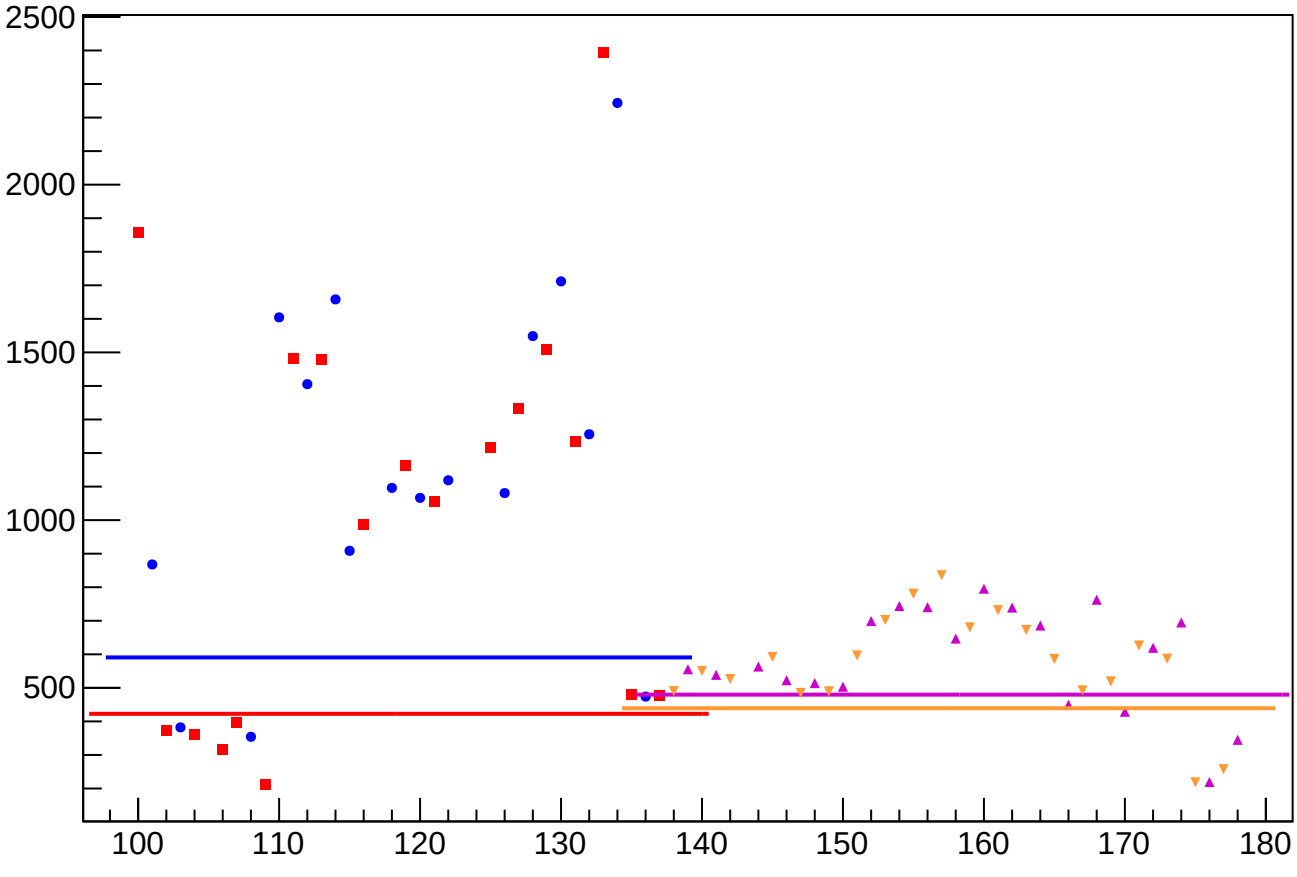
Right: 14.100+/-156.593 χ^2/NDF: 36.2/33

In: -116.928+/-114.532 χ^2/NDF:33.5/35

Out: 136.363+/-102.742 χ^2/NDF:54.9/37

All: 23.422+/-76.479 χ^2/NDF: 91.1/73

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: 479.848+/-0.090 χ^2/NDF:3960666.2/19

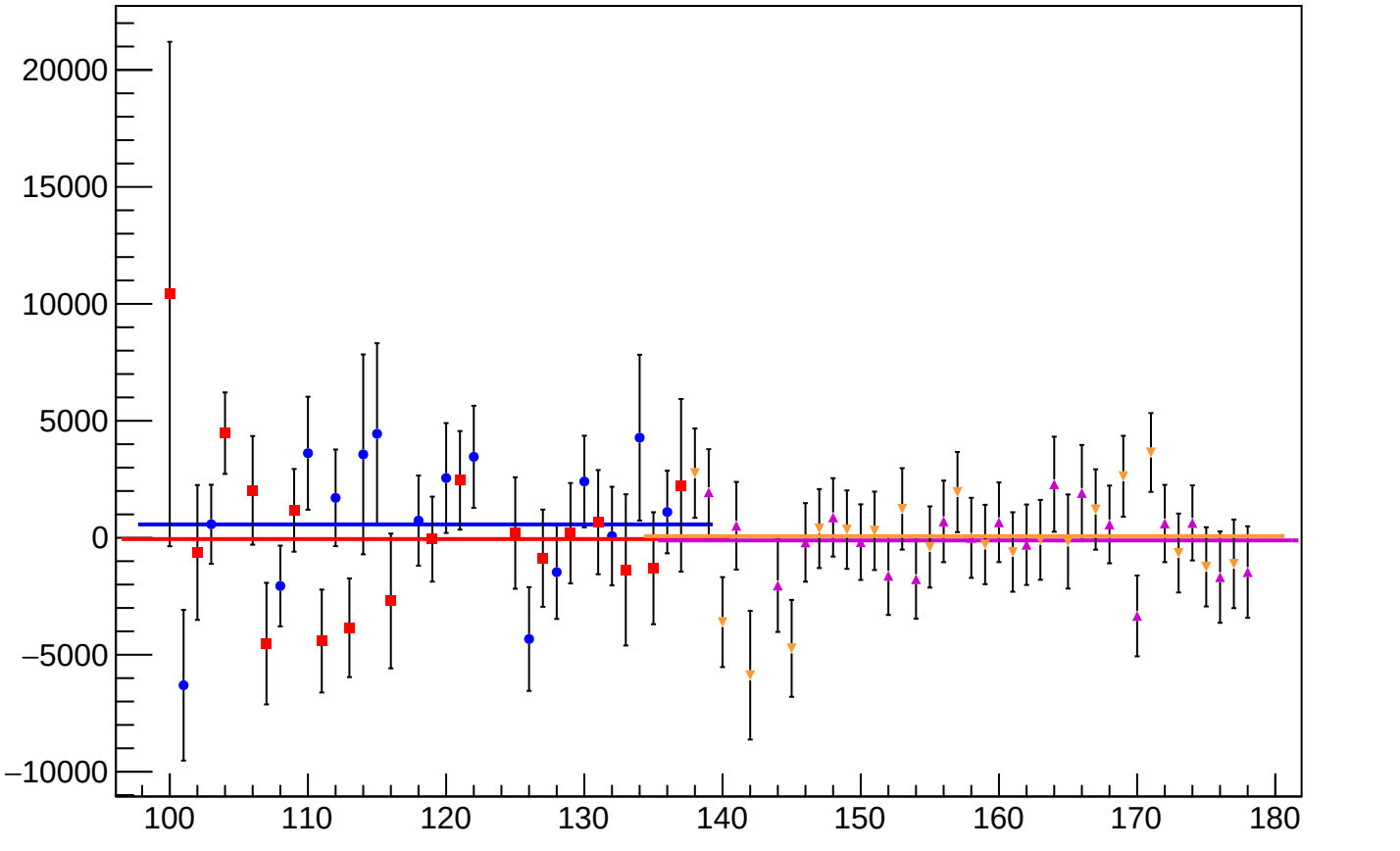
Left: 458.449+/-0.062 χ^2/NDF: 8738358.4/39

Right: 483.362+/-0.111 χ^2/NDF: 9275456.5/33

In: 501.280+/-0.081 χ^2/NDF:8138516.5/35

Out: 434.707+/-0.073 χ^2/NDF:9539428.8/37

All: 464.391+/-0.054 χ^2/NDF: 18052362.9/73



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: 69.260+/-399.562 χ^2/NDF:26.0/19

Right Out: -53.752+/-545.353 χ^2/NDF: 22.5/17

Left In: -112.520+/-393.935 χ^2/NDF:12.4/19

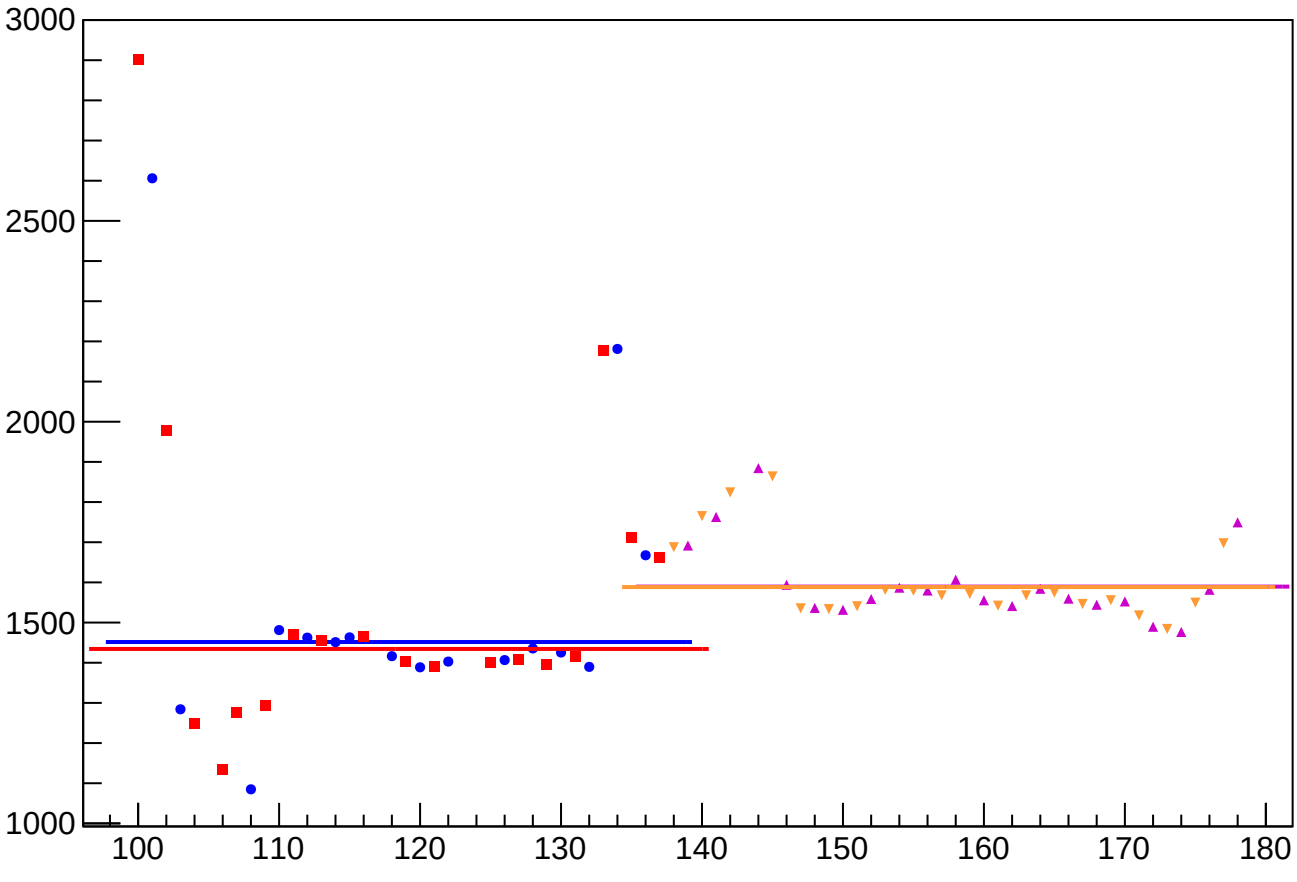
Left: -22.919+/-280.523 χ^2/NDF: 38.6/39

Right: 256.819+/-387.129 χ^2/NDF: 43.9/33

In: 119.877+/-320.190 χ^2/NDF:34.2/35

Out: 26.292+/-322.311 χ^2/NDF:48.6/37

All: 73.394+/-227.155 χ^2/NDF: 82.9/73



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: 1589.513+/-0.279 χ^2/NDF:108763.6/19

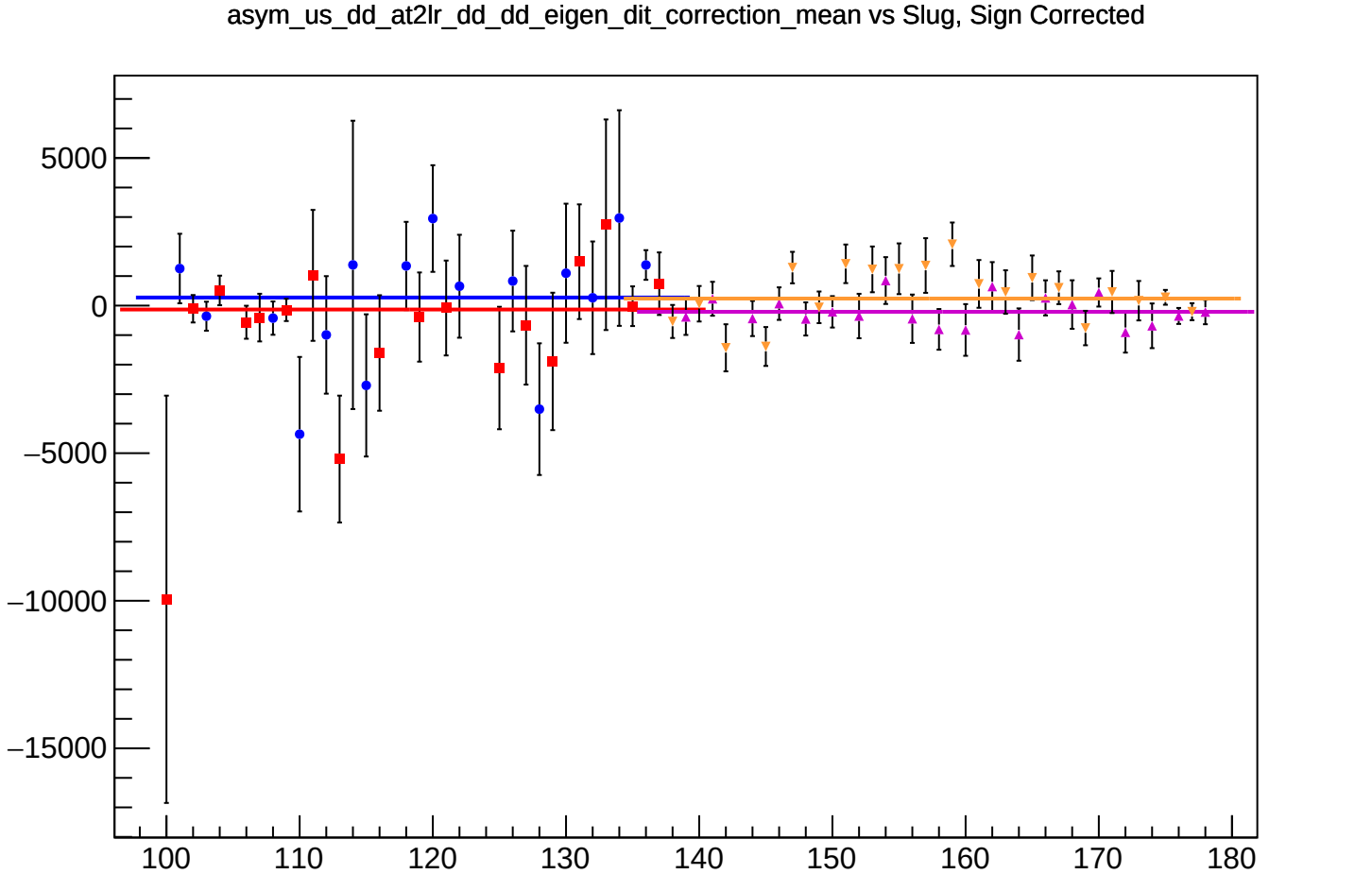
Left: 1588.982+/-0.198 χ^2/NDF: 210081.4/39

Right: 1442.883+/-0.274 χ^2/NDF: 817420.3/33

In: 1542.704+/-0.226 χ^2/NDF:679811.6/35

Out: 1534.604+/-0.228 χ^2/NDF:533832.5/37

All: 1538.680+/-0.161 χ^2/NDF: 1214279.8/73



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: -210.437+/-127.515 χ^2/NDF:10.5/19

Left: 26.344+/-87.644 χ^2/NDF: 54.9/39

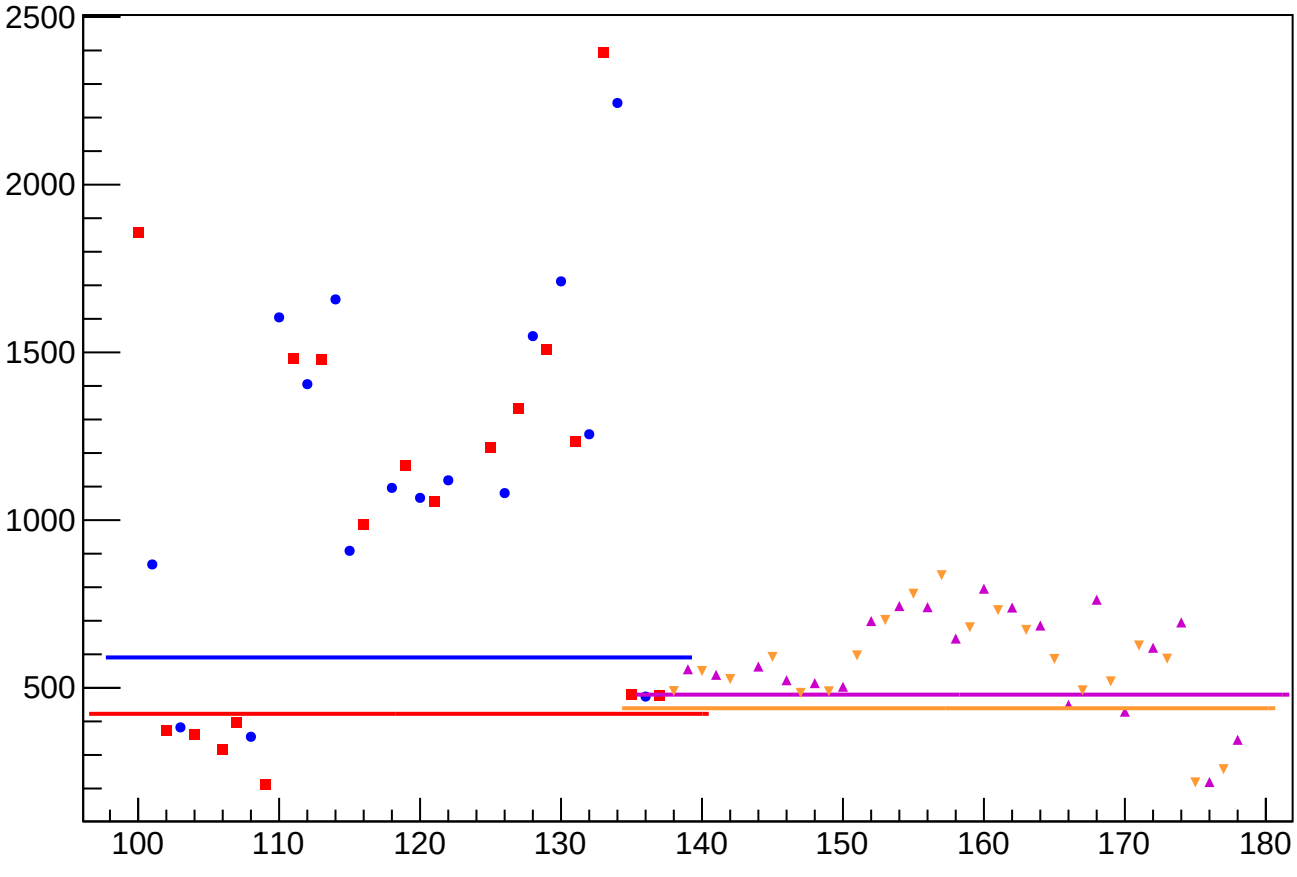
Right: 14.101+/-156.594 χ^2/NDF: 36.2/33

In: -116.930+/-114.533 χ^2/NDF:33.5/35

Out: 136.369+/-102.743 χ^2/NDF:54.9/37

All: 23.424+/-76.480 χ^2/NDF: 91.1/73

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 590.747+/-0.184 χ^2/NDF: 3885530.6/15

Left Out: 439.292+/-0.085 χ^2/NDF:4670800.8/19

Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 479.851+/-0.090 χ^2/NDF:3960577.8/19

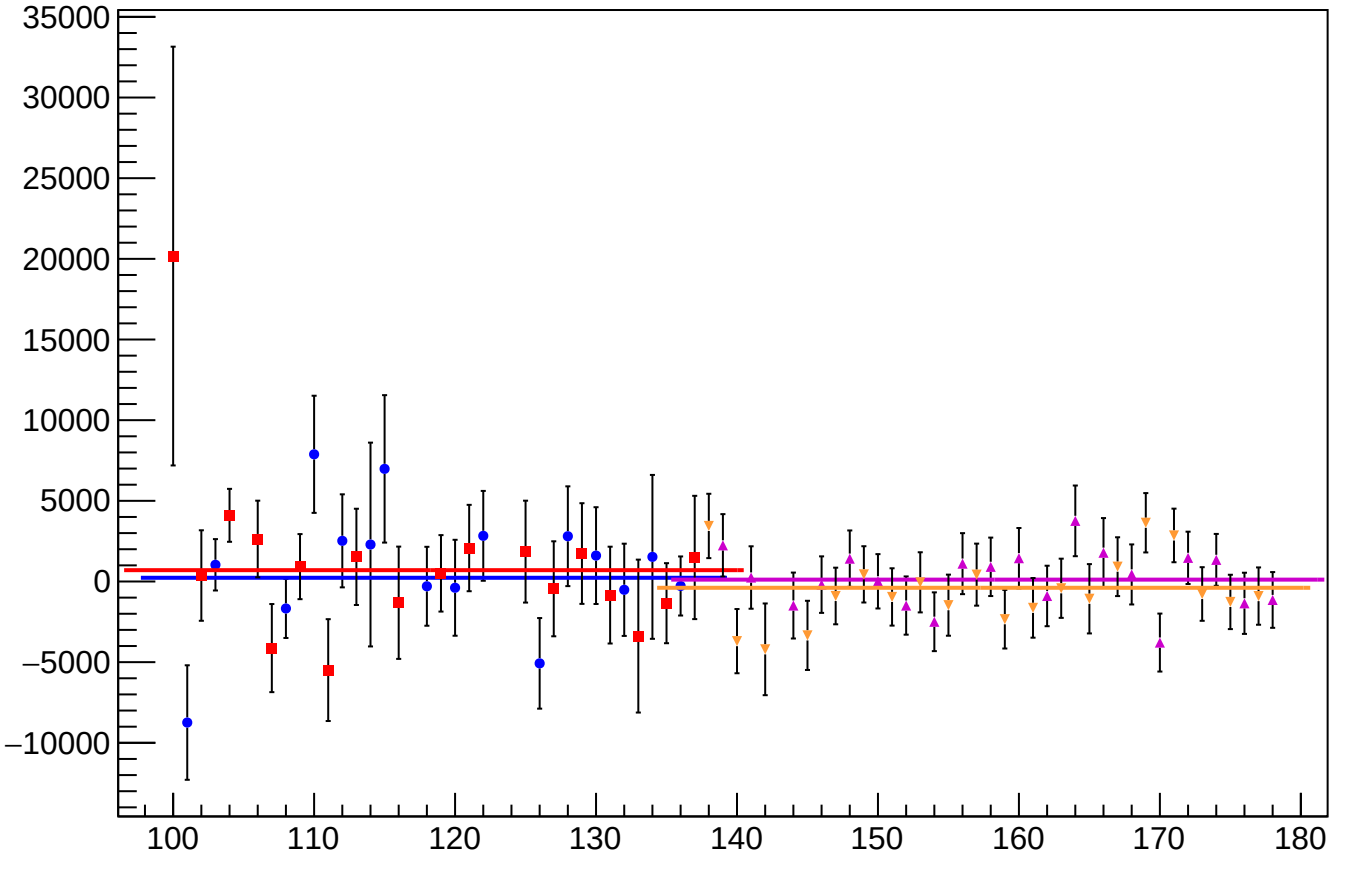
Left: 458.452+/-0.062 χ^2/NDF: 8738128.8/39

Right: 483.366+/-0.111 χ^2/NDF: 9275354.4/33

In: 501.281+/-0.081 χ^2/NDF:8138434.6/35

Out: 434.712+/-0.073 χ^2/NDF:9539214.6/37

All: 464.395+/-0.054 χ^2/NDF: 18052031.6/73



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: 115.611+/-410.105 χ^2/NDF:17.0/19

Left: -133.043+/-292.380 χ^2/NDF: 40.1/39

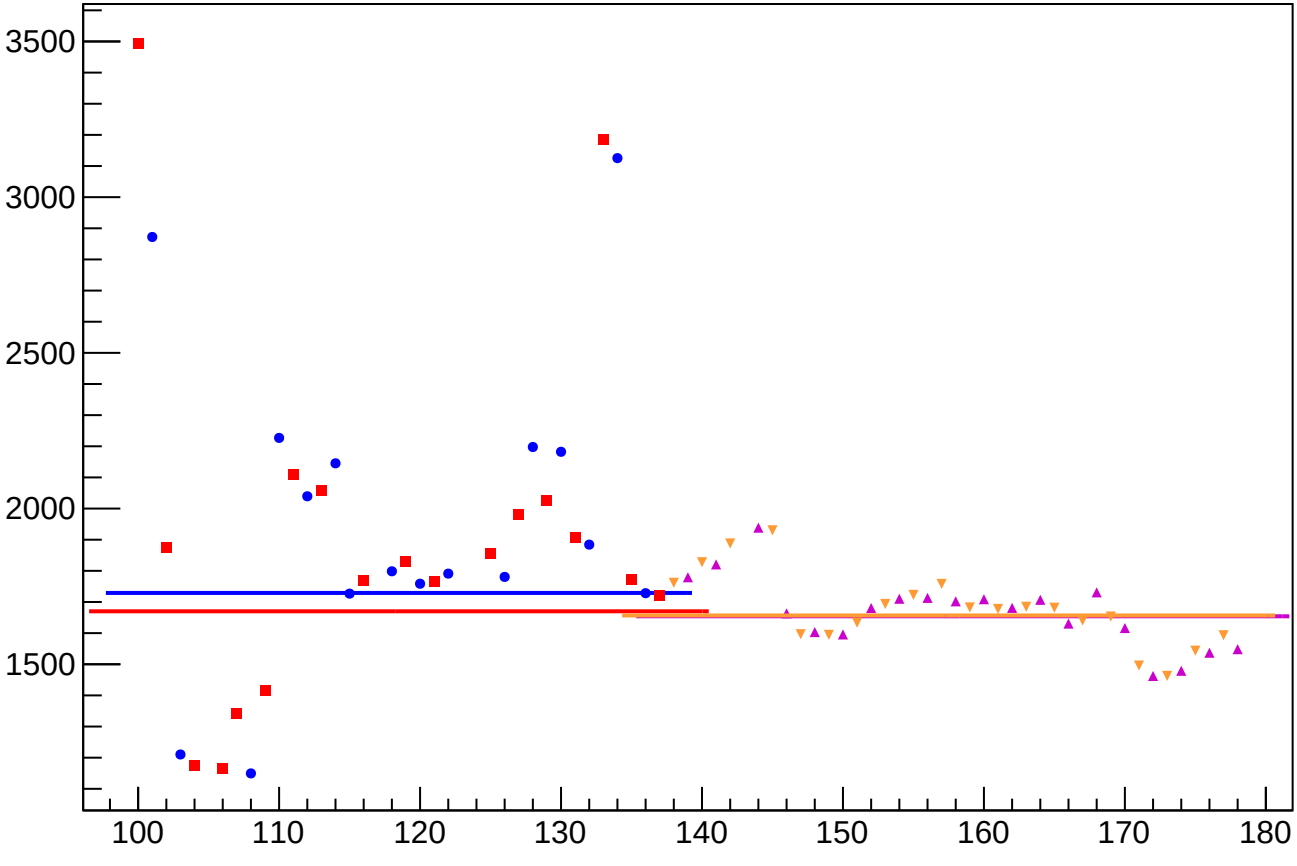
Right: 472.942+/-464.638 χ^2/NDF: 38.0/33

In: 147.252+/-349.243 χ^2/NDF:37.8/35

Out: -70.457+/-350.690 χ^2/NDF:41.4/37

All: 38.848+/-247.462 χ^2/NDF: 79.4/73

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: 1654.023+/-0.290 χ^2/NDF:146401.5/19

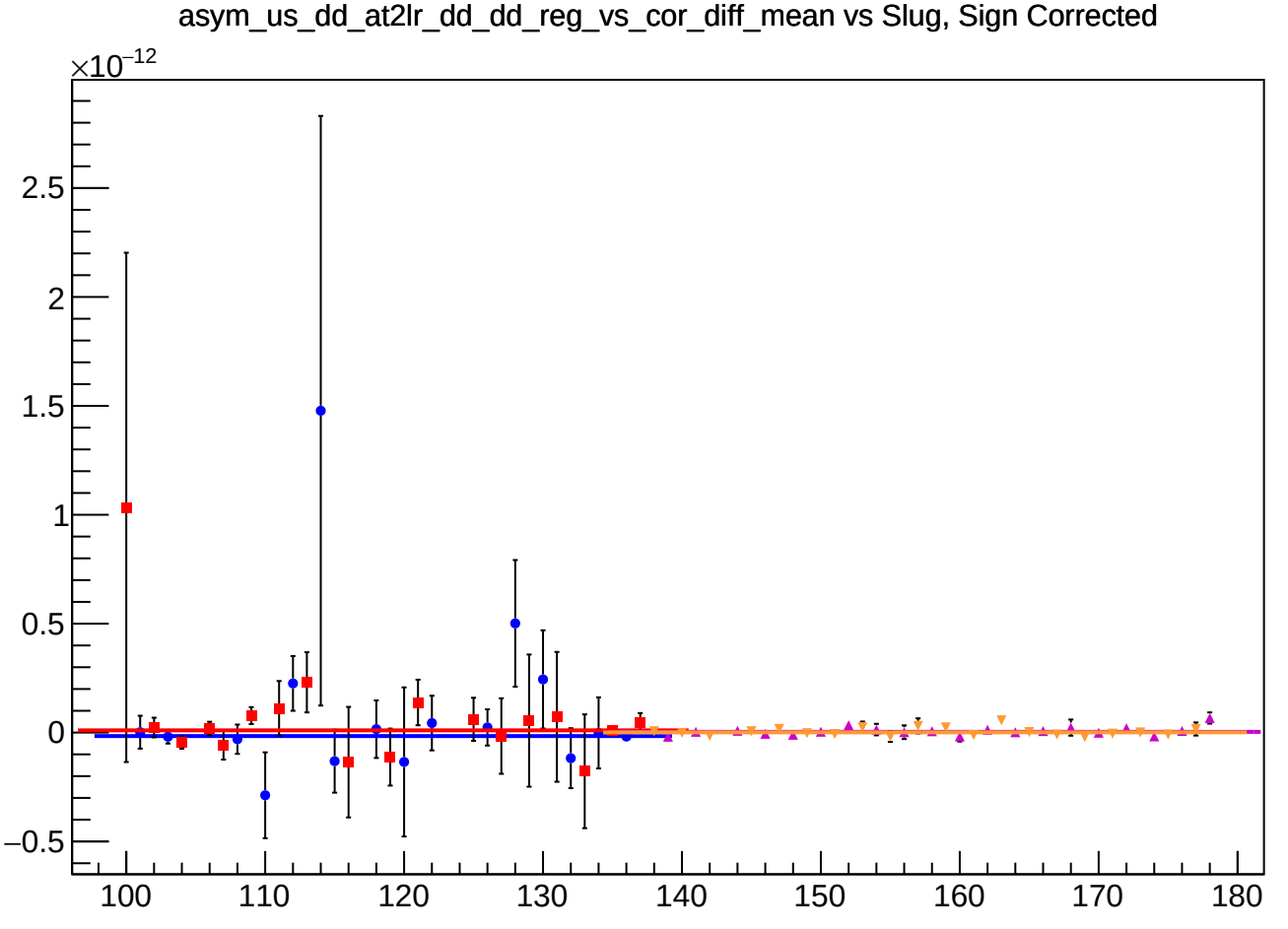
Left: 1655.342+/-0.207 χ^2/NDF: 285632.5/39

Right: 1698.749+/-0.329 χ^2/NDF: 1694585.4/33

In: 1674.640+/-0.247 χ^2/NDF:1106873.9/35

Out: 1660.612+/-0.248 χ^2/NDF:884241.0/37

All: 1667.655+/-0.175 χ^2/NDF: 1992721.5/73



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:18.1/19

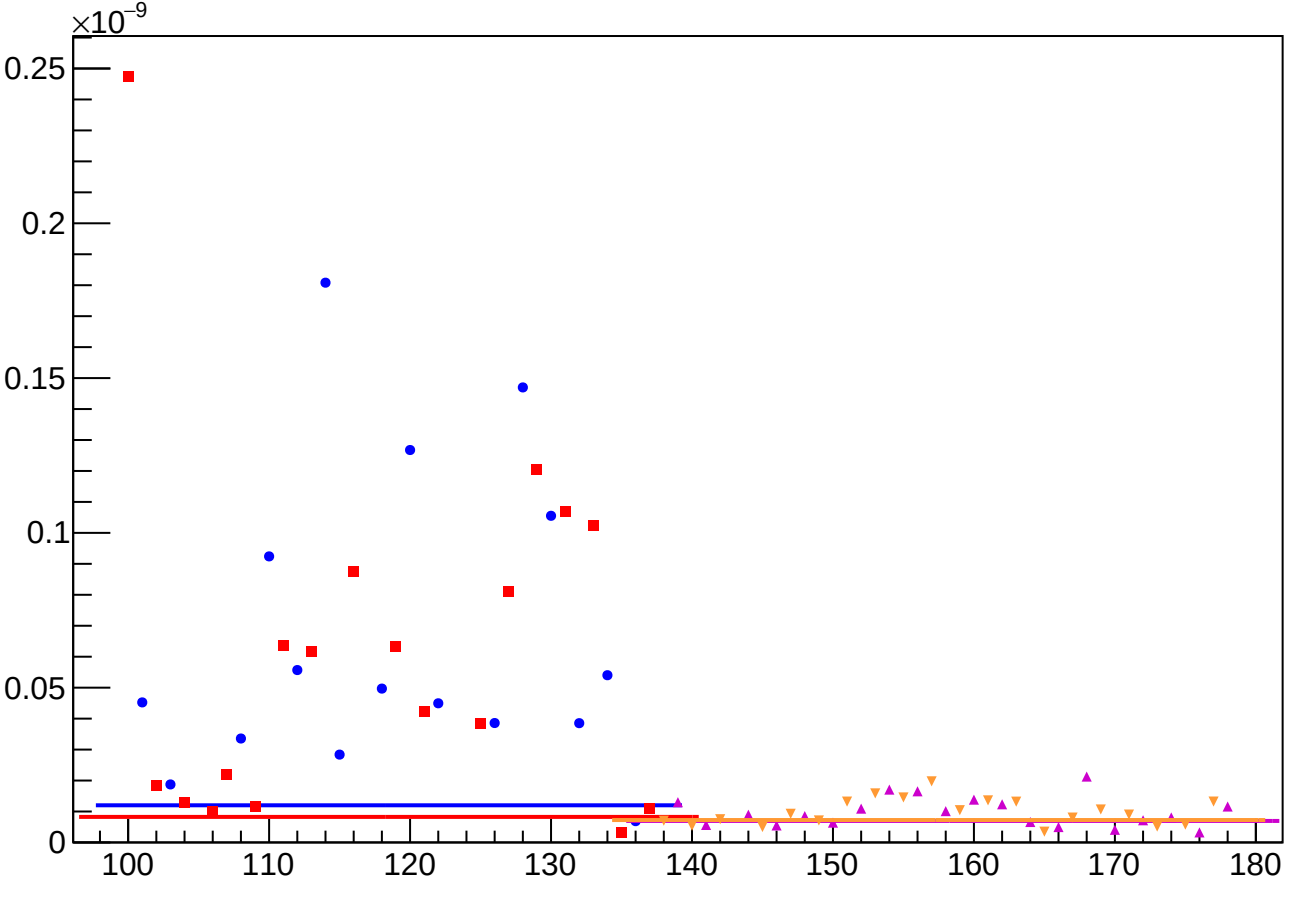
Left: 0.000+/-0.000 χ^2/NDF: 35.1/39

Right: -0.000+/-0.000 χ^2/NDF: 33.5/33

In: 0.000+/-0.000 χ^2/NDF:34.7/35

Out: 0.000+/-0.000 χ^2/NDF:34.1/37

All: 0.000+/-0.000 χ^2/NDF: 68.8/73



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:2335823.4/19

Left: 0.000+/-0.000 χ^2/NDF: 4387784.5/39

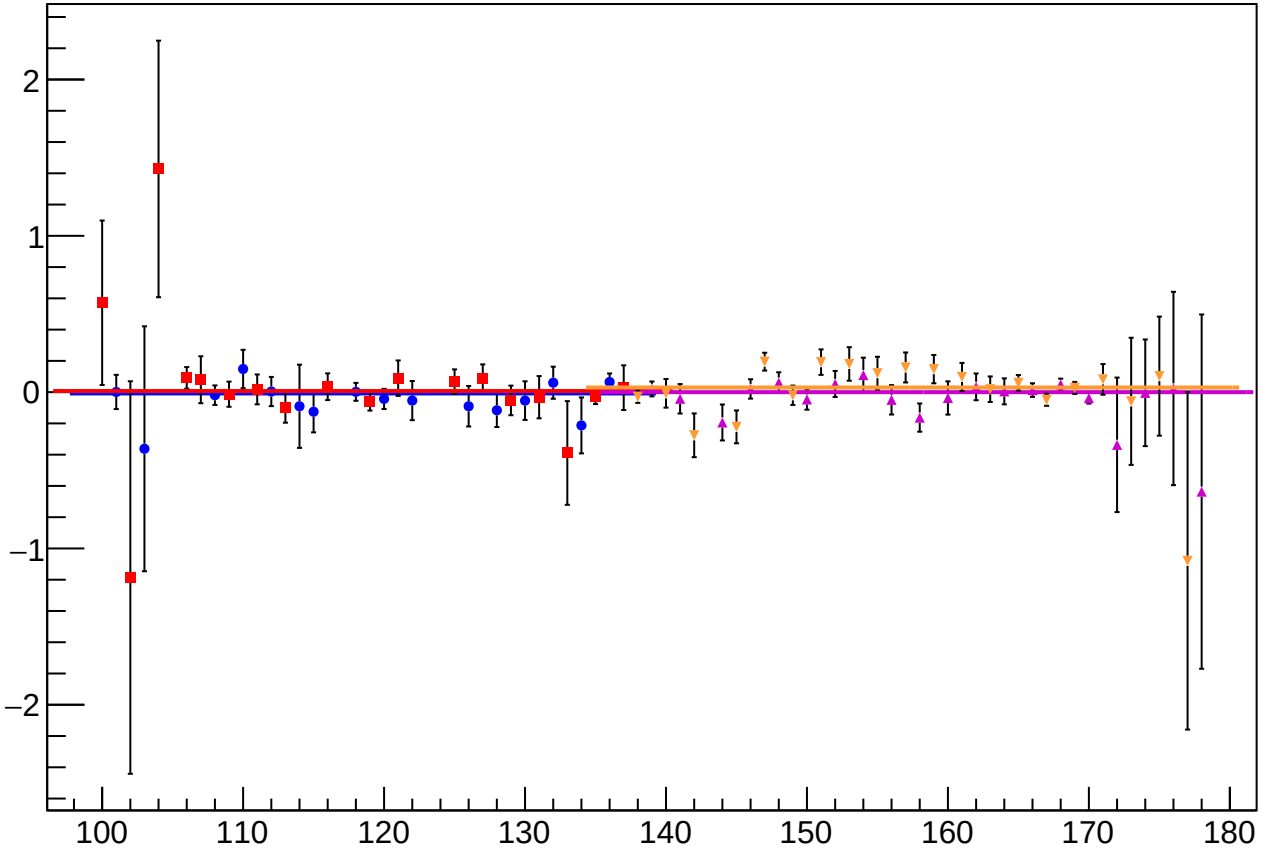
Right: 0.000+/-0.000 χ^2/NDF: 7091803.5/33

In: 0.000+/-0.000 χ^2/NDF:6207879.5/35

Out: 0.000+/-0.000 χ^2/NDF:5577601.3/37

All: 0.000+/-0.000 χ^2/NDF: 11785485.9/73

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.015 χ^2/NDF:38.6/19

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.015 χ^2/NDF:13.9/19

Left: 0.015+/-0.011 χ^2/NDF: 54.4/39

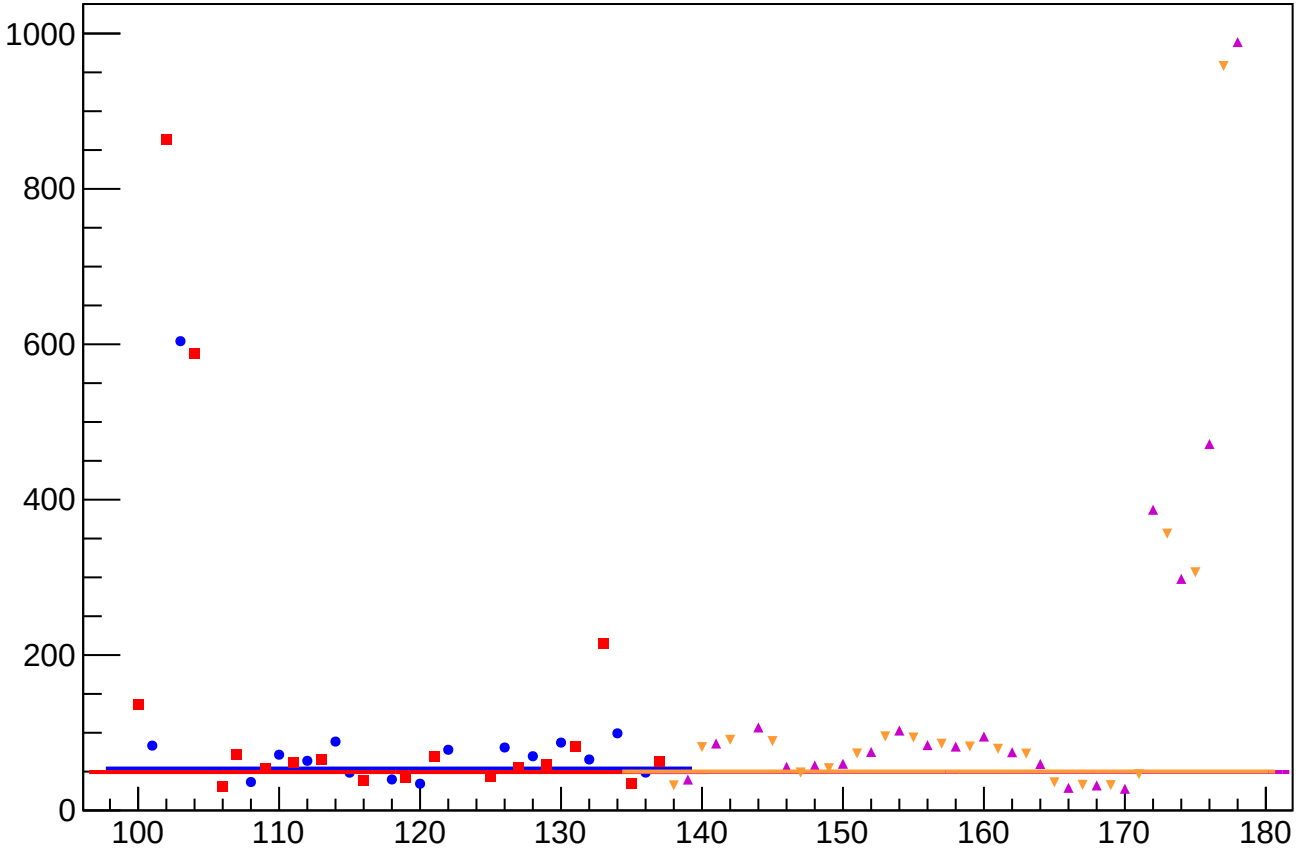
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.003+/-0.013 χ^2/NDF:22.3/35

Out: 0.022+/-0.013 χ^2/NDF:53.0/37

All: 0.010+/-0.009 χ^2/NDF: 77.2/73

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: 49.461+/-0.011 χ^2/NDF:9003123.3/19

Left: 49.778+/-0.008 χ^2/NDF: 16298817.7/39

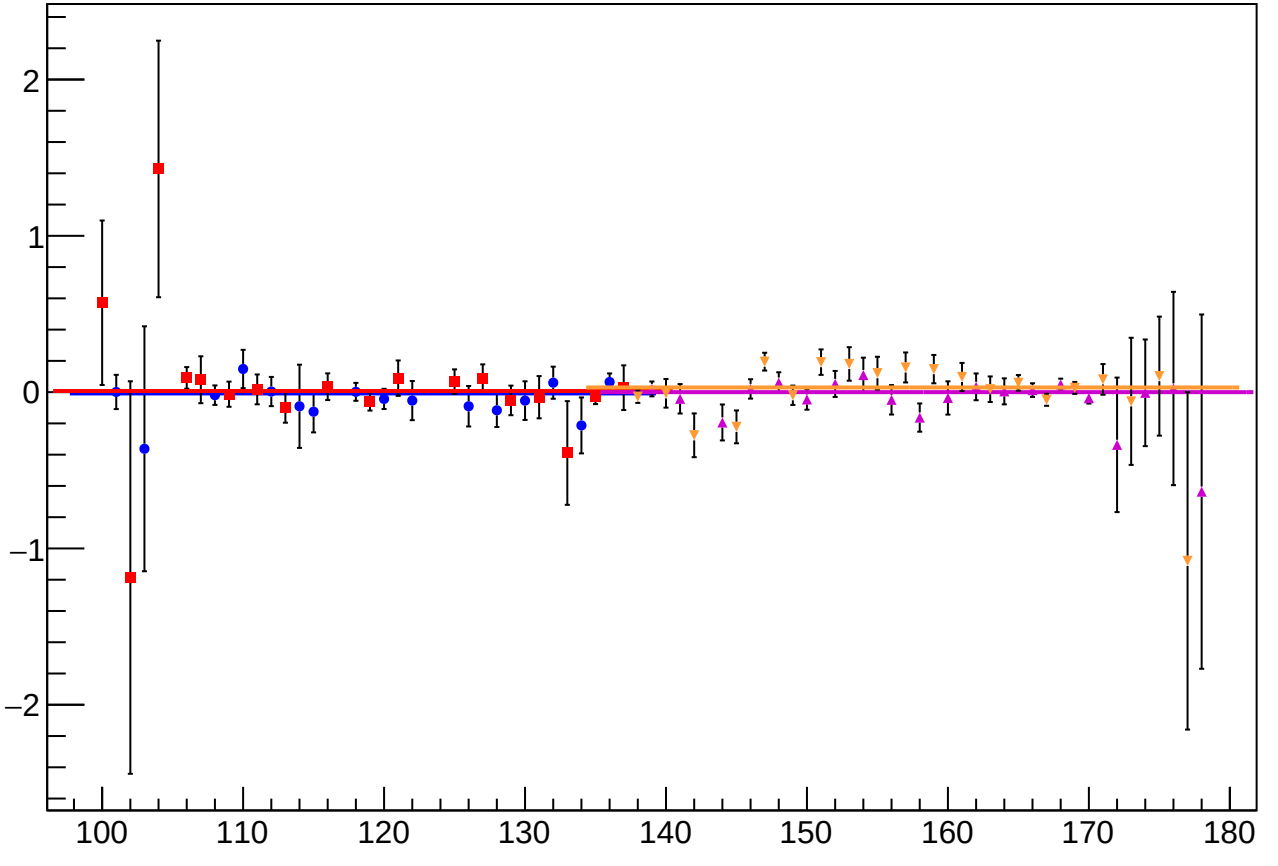
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 50.818+/-0.009 χ^2/NDF:11269444.4/35

Out: 49.881+/-0.009 χ^2/NDF:10312940.8/37

All: 50.348+/-0.006 χ^2/NDF: 21587816.1/73

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:13.9/19

Left: 0.015+/-0.011 χ^2/NDF: 54.4/39

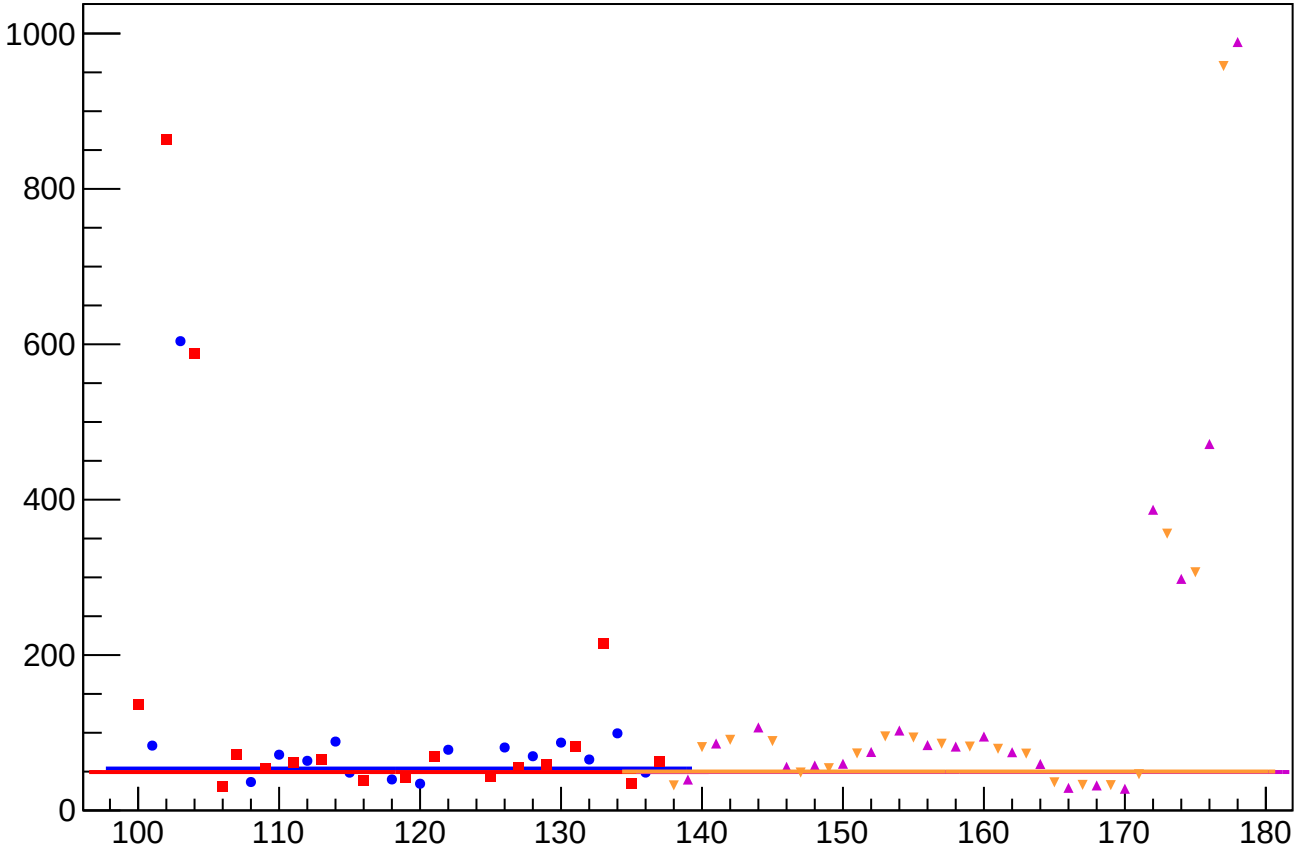
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.003+/-0.013 χ^2/NDF:22.3/35

Out: 0.022+/-0.013 χ^2/NDF:53.0/37

All: 0.010+/-0.009 χ^2/NDF: 77.2/73

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: 49.461+/-0.011 χ^2/NDF:9003123.3/19

Left: 49.778+/-0.008 χ^2/NDF: 16298817.7/39

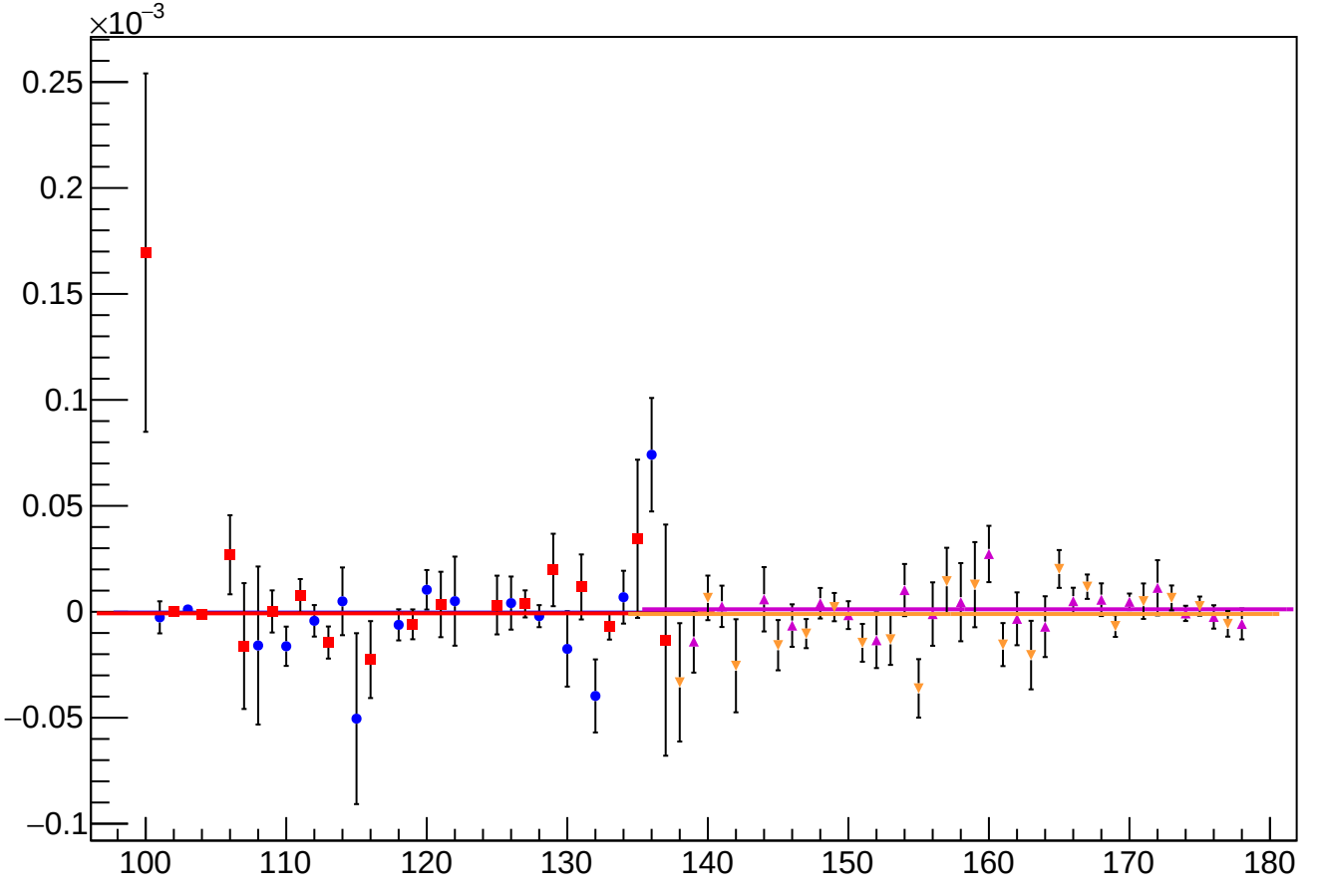
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 50.818+/-0.009 χ^2/NDF:11269444.4/35

Out: 49.881+/-0.009 χ^2/NDF:10312940.8/37

All: 50.348+/-0.006 χ^2/NDF: 21587816.1/73

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



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:12.0/19

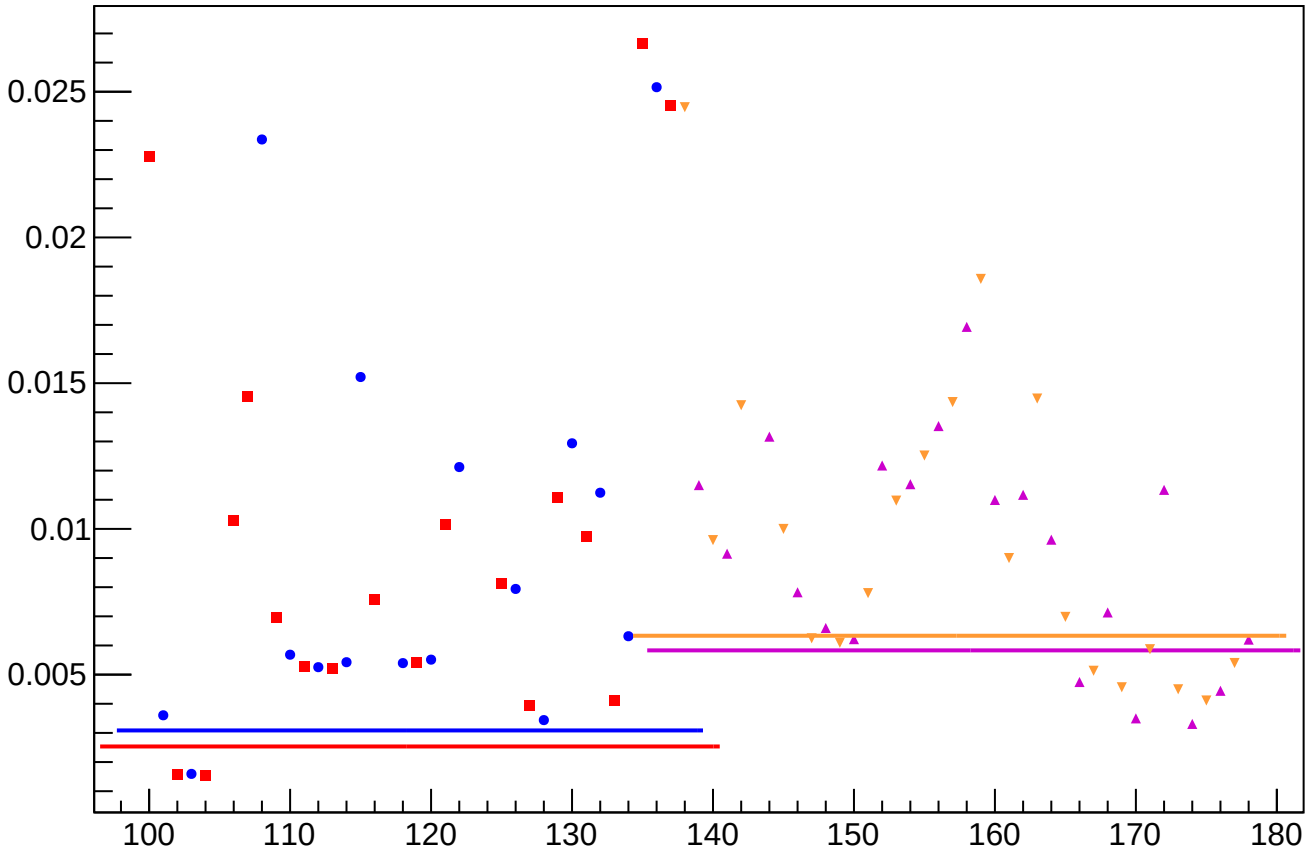
Left: 0.000+/-0.000 χ^2/NDF: 49.6/39

Right: -0.000+/-0.000 χ^2/NDF: 40.0/33

In: 0.000+/-0.000 χ^2/NDF:34.6/35

Out: -0.000+/-0.000 χ^2/NDF:54.6/37

All: -0.000+/-0.000 χ^2/NDF: 89.7/73



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:6366903.1/19

Left: 0.006+/-0.000 χ^2/NDF: 11663987.2/39

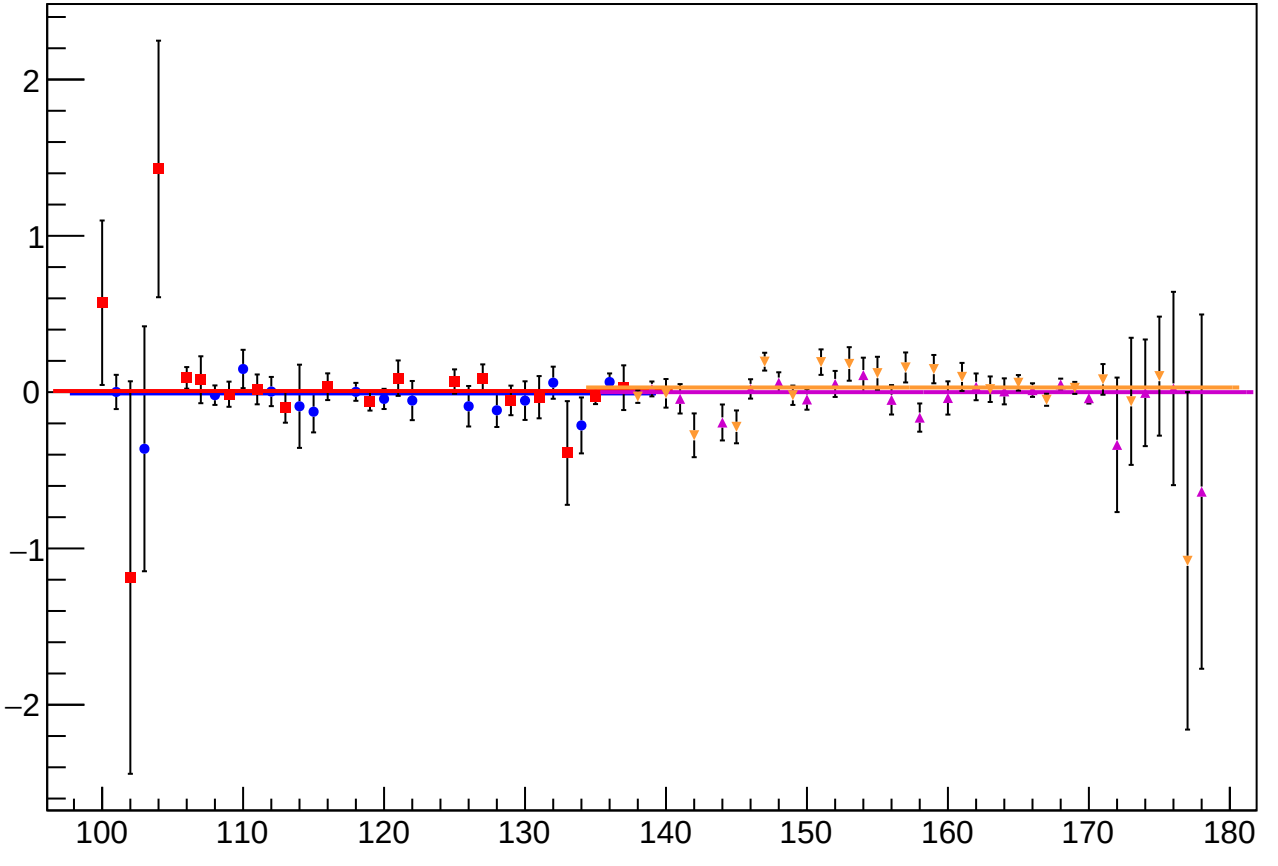
Right: 0.003+/-0.000 χ^2/NDF: 12159145.0/33

In: 0.004+/-0.000 χ^2/NDF:14902262.5/35

Out: 0.004+/-0.000 χ^2/NDF:17400454.0/37

All: 0.004+/-0.000 χ^2/NDF: 32604576.1/73

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:13.9/19

Left: 0.015+/-0.011 χ^2/NDF: 54.4/39

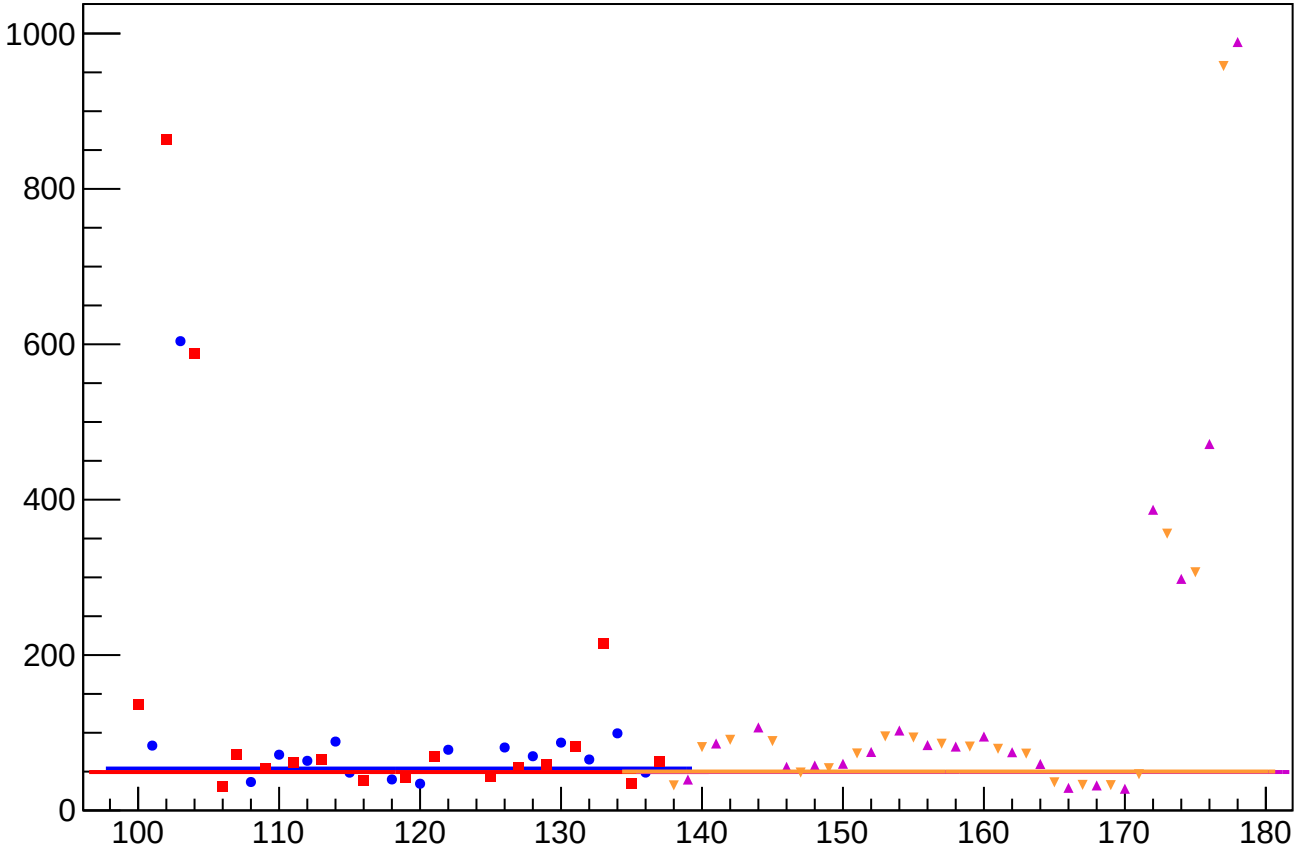
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.003+/-0.013 χ^2/NDF:22.3/35

Out: 0.022+/-0.013 χ^2/NDF:53.0/37

All: 0.010+/-0.009 χ^2/NDF: 77.2/73

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: 49.461+/-0.011 χ^2/NDF:9003064.3/19

Left: 49.779+/-0.008 χ^2/NDF: 16297978.8/39

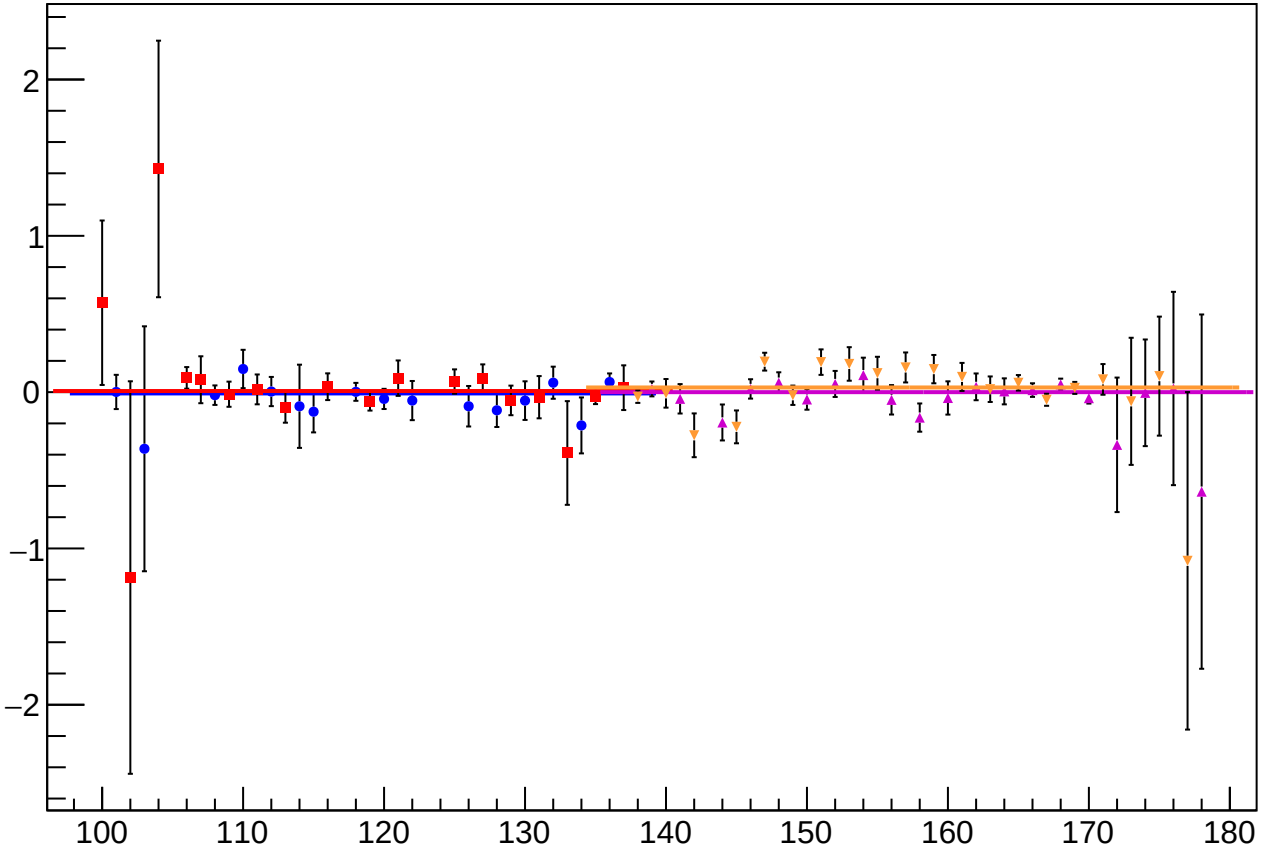
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 50.819+/-0.009 χ^2/NDF:11269060.9/35

Out: 49.883+/-0.009 χ^2/NDF:10311870.3/37

All: 50.350+/-0.006 χ^2/NDF: 21586346.6/73

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:13.9/19

Left: 0.015+/-0.011 χ^2/NDF: 54.4/39

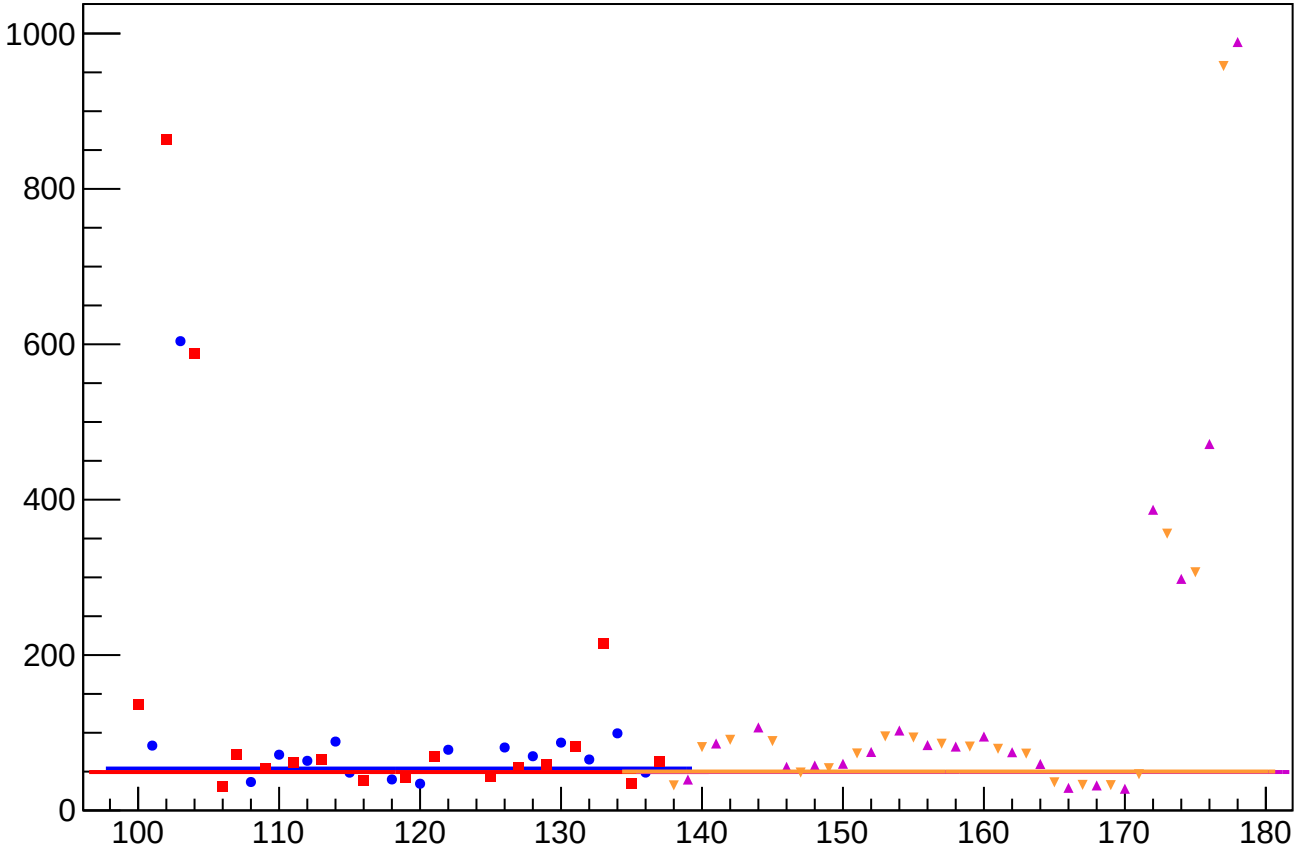
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.003+/-0.013 χ^2/NDF:22.3/35

Out: 0.022+/-0.013 χ^2/NDF:53.0/37

All: 0.010+/-0.009 χ^2/NDF: 77.2/73

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: 49.461+/-0.011 χ^2/NDF:9003064.3/19

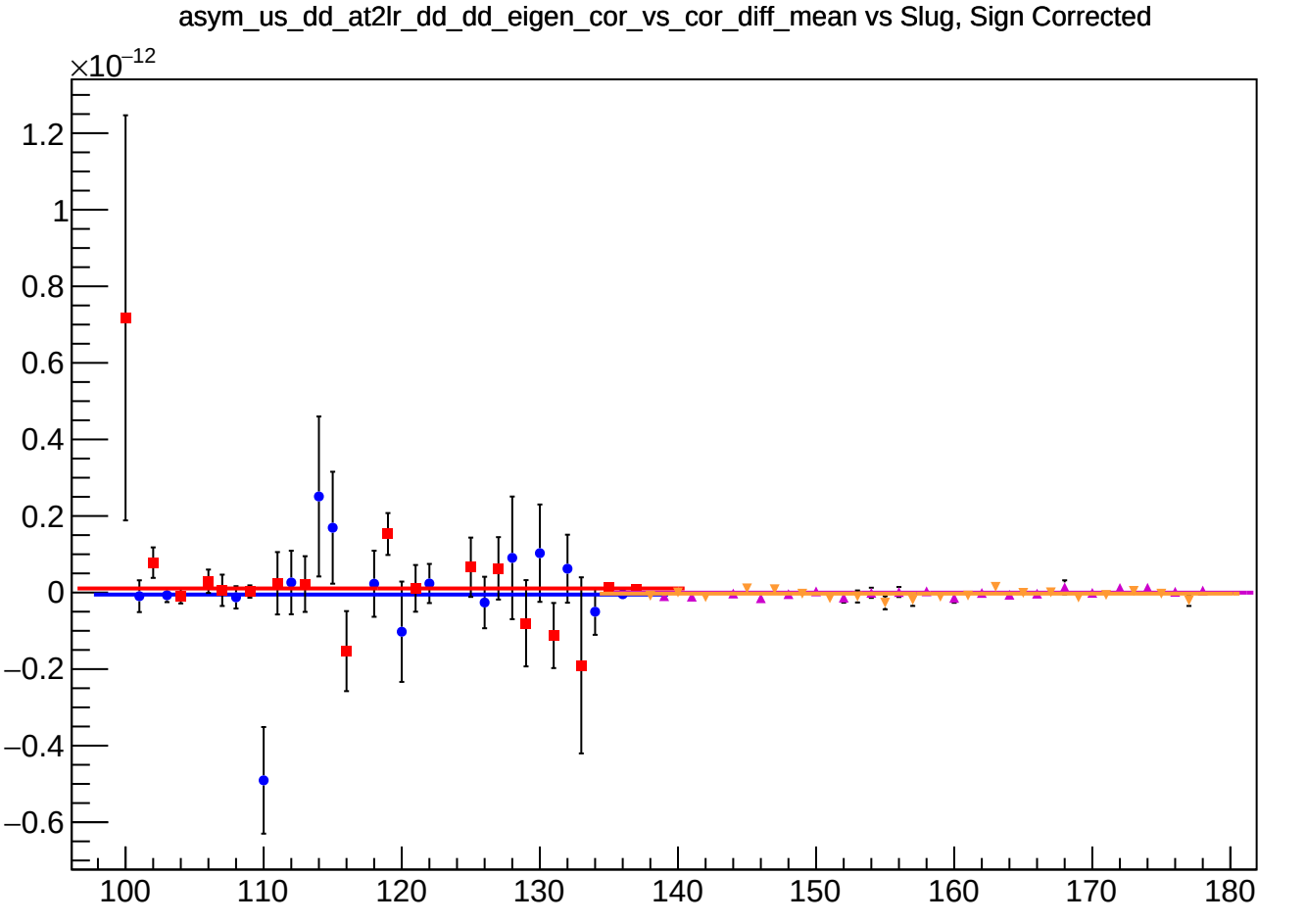
Left: 49.779+/-0.008 χ^2/NDF: 16297978.8/39

Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 50.819+/-0.009 χ^2/NDF:11269060.9/35

Out: 49.883+/-0.009 χ^2/NDF:10311870.3/37

All: 50.350+/-0.006 χ^2/NDF: 21586346.6/73



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:17.4/19

Left: -0.000+/-0.000 χ^2/NDF: 36.6/39

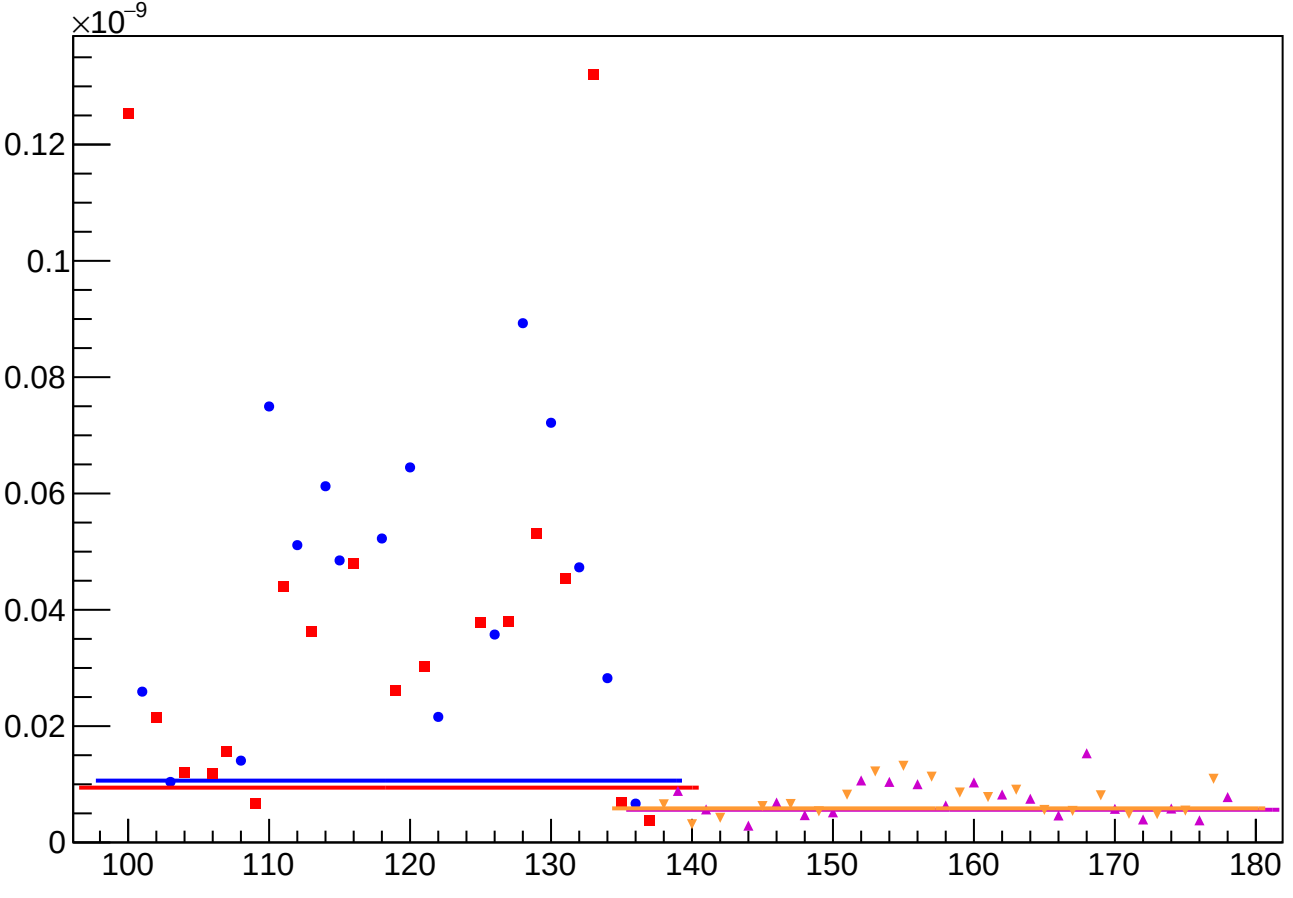
Right: 0.000+/-0.000 χ^2/NDF: 41.5/33

In: -0.000+/-0.000 χ^2/NDF:36.4/35

Out: -0.000+/-0.000 χ^2/NDF:42.4/37

All: -0.000+/-0.000 χ^2/NDF: 79.0/73

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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:3131953.1/19

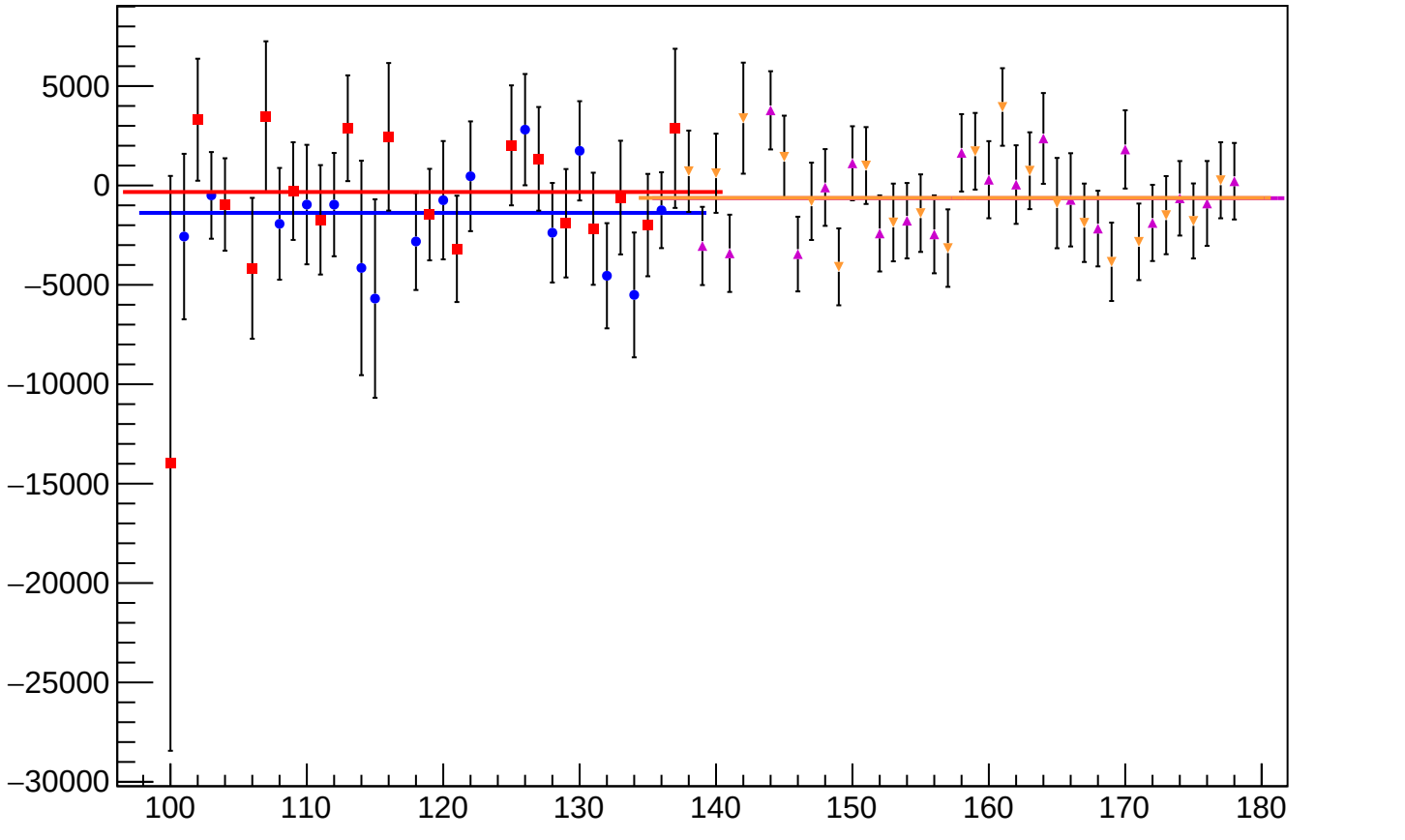
Left: 0.000+/-0.000 χ^2/NDF: 5790716.6/39

Right: 0.000+/-0.000 χ^2/NDF: 8619590.4/33

In: 0.000+/-0.000 χ^2/NDF:8692158.0/35

Out: 0.000+/-0.000 χ^2/NDF:7232254.5/37

All: 0.000+/-0.000 χ^2/NDF: 15936130.7/73



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: -625.950+/-445.879 χ^2/NDF:22.7/19

Right Out: -328.770+/-683.888 χ^2/NDF: 11.0/17

Left In: -640.594+/-439.746 χ^2/NDF:20.1/19

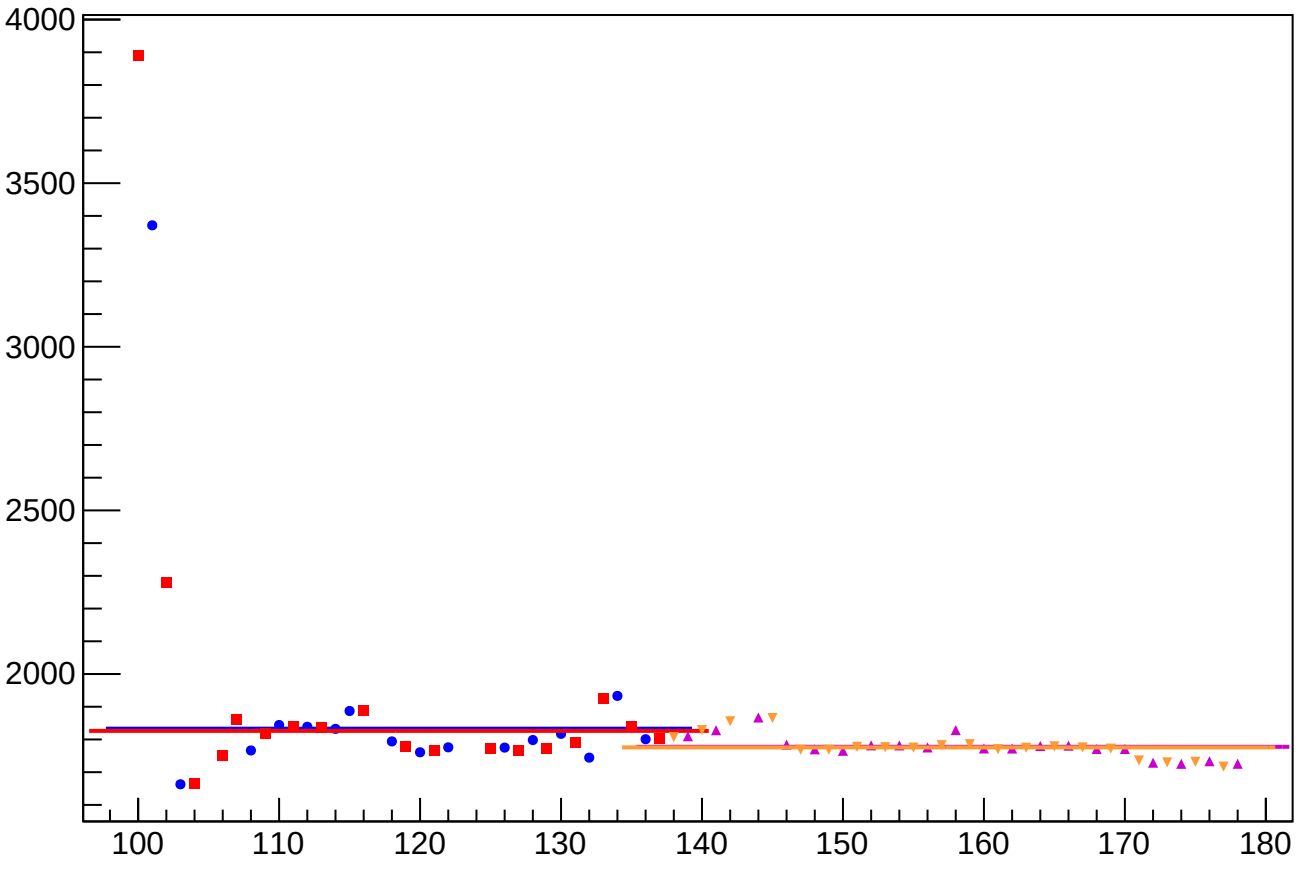
Left: -633.373+/-313.093 χ^2/NDF: 42.8/39

Right: -849.832+/-485.390 χ^2/NDF: 21.5/33

In: -854.238+/-370.687 χ^2/NDF:30.3/35

Out: -537.306+/-373.506 χ^2/NDF:33.9/37

All: -696.973+/-263.106 χ^2/NDF: 64.5/73



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: 1777.556+/-0.311 χ^2/NDF:12793.7/19

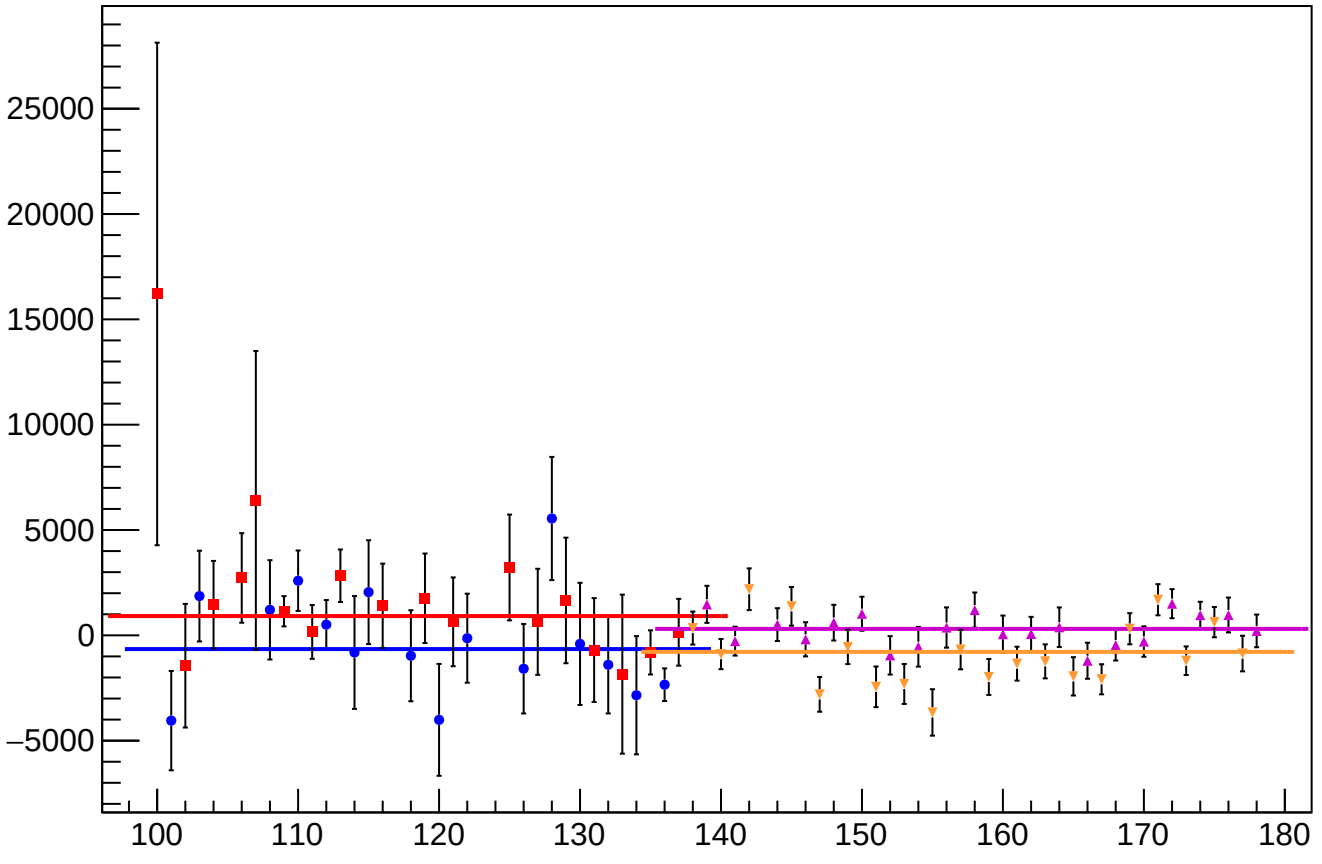
Left: 1776.647+/-0.221 χ^2/NDF: 25159.9/39

Right: 1829.552+/-0.343 χ^2/NDF: 398542.3/33

In: 1793.588+/-0.262 χ^2/NDF:317417.1/35

Out: 1790.774+/-0.264 χ^2/NDF:123006.7/37

All: 1792.192+/-0.186 χ^2/NDF: 440481.0/73



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: 305.958+/-179.091 χ^2/NDF:17.5/19

Left: -226.178+/-128.147 χ^2/NDF: 96.0/39

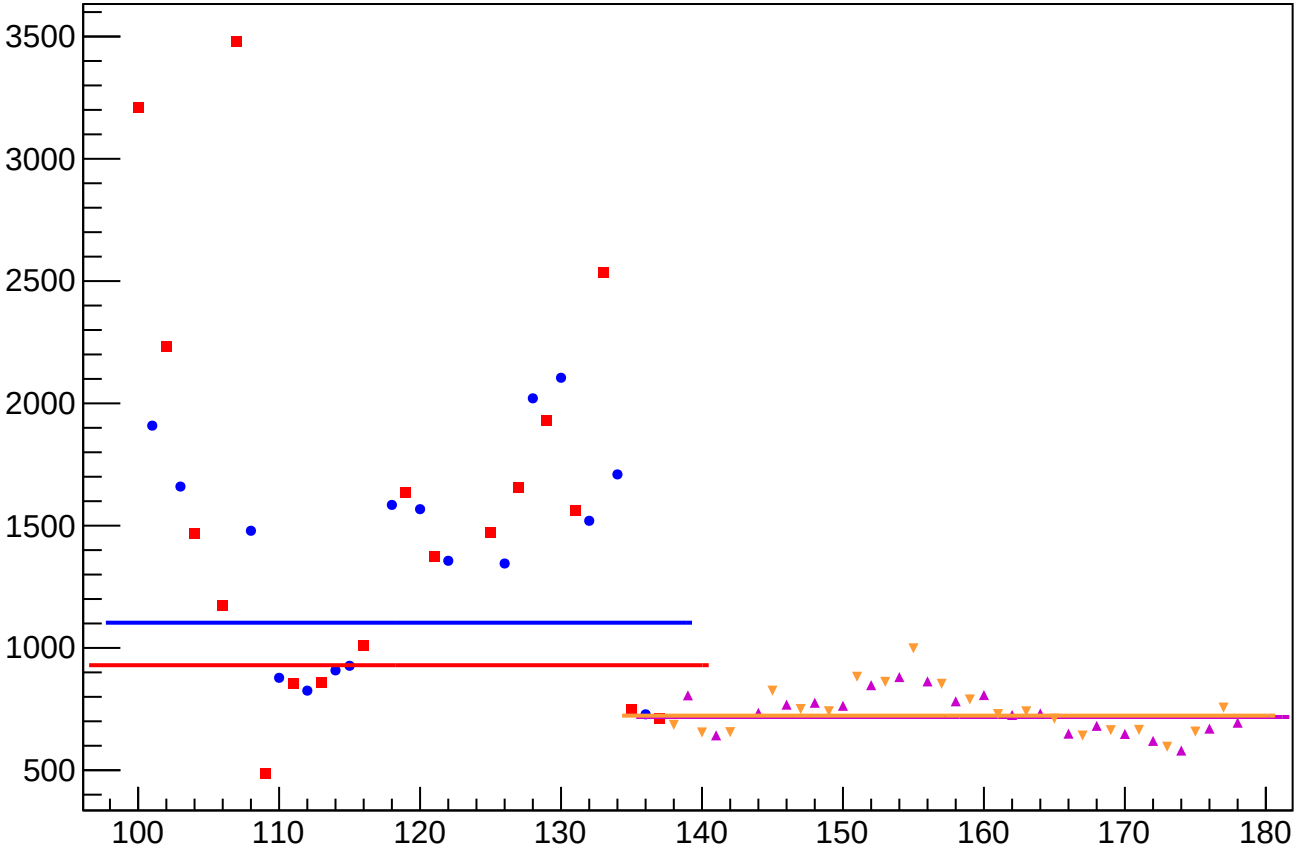
Right: 222.415+/-293.910 χ^2/NDF: 41.8/33

In: 170.944+/-165.991 χ^2/NDF:44.8/35

Out: -481.029+/-166.256 χ^2/NDF:87.3/37

All: -154.522+/-117.467 χ^2/NDF: 139.8/73

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: 717.602+/-0.127 χ^2/NDF:428063.8/19

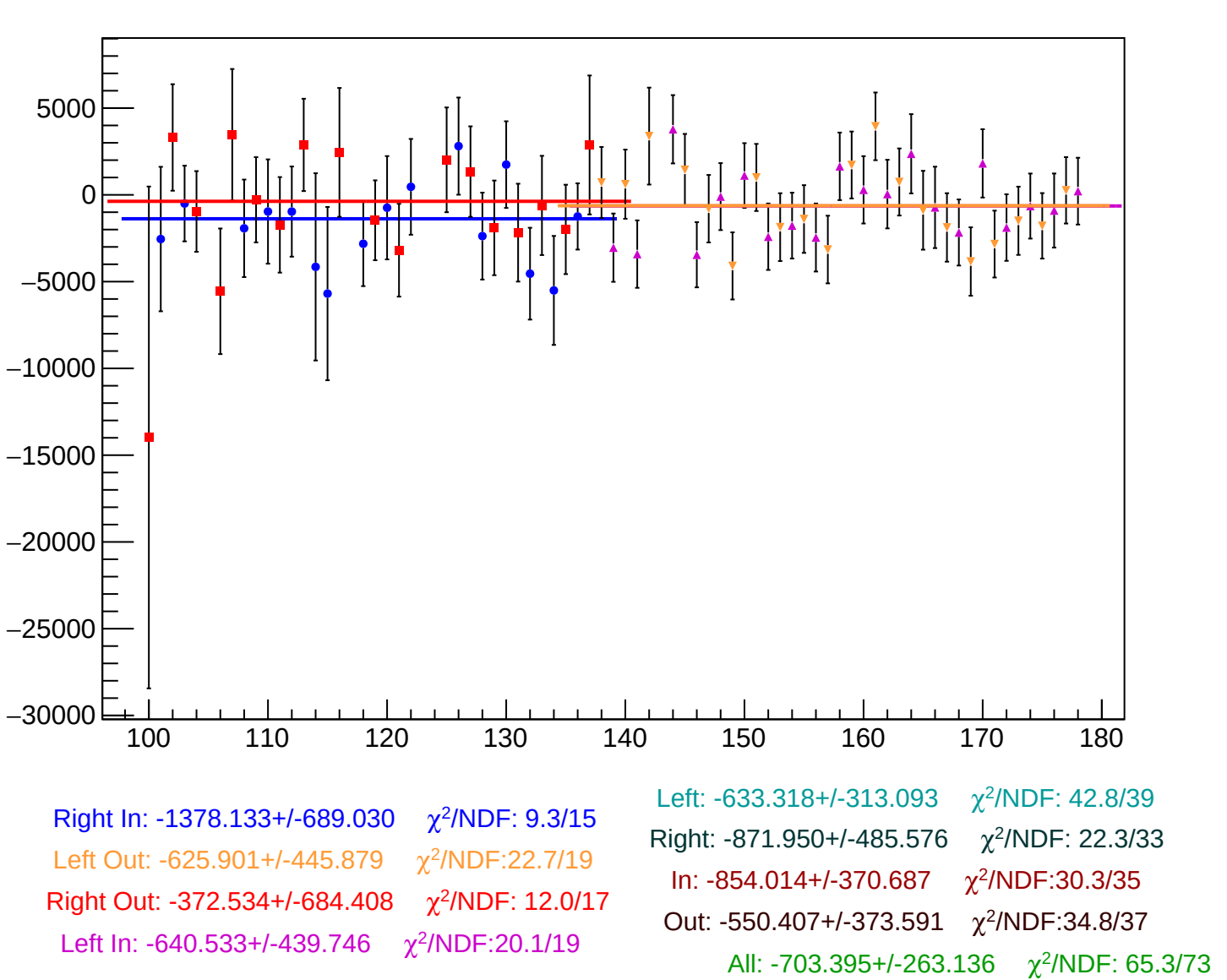
Left: 720.330+/-0.091 χ^2/NDF: 903960.6/39

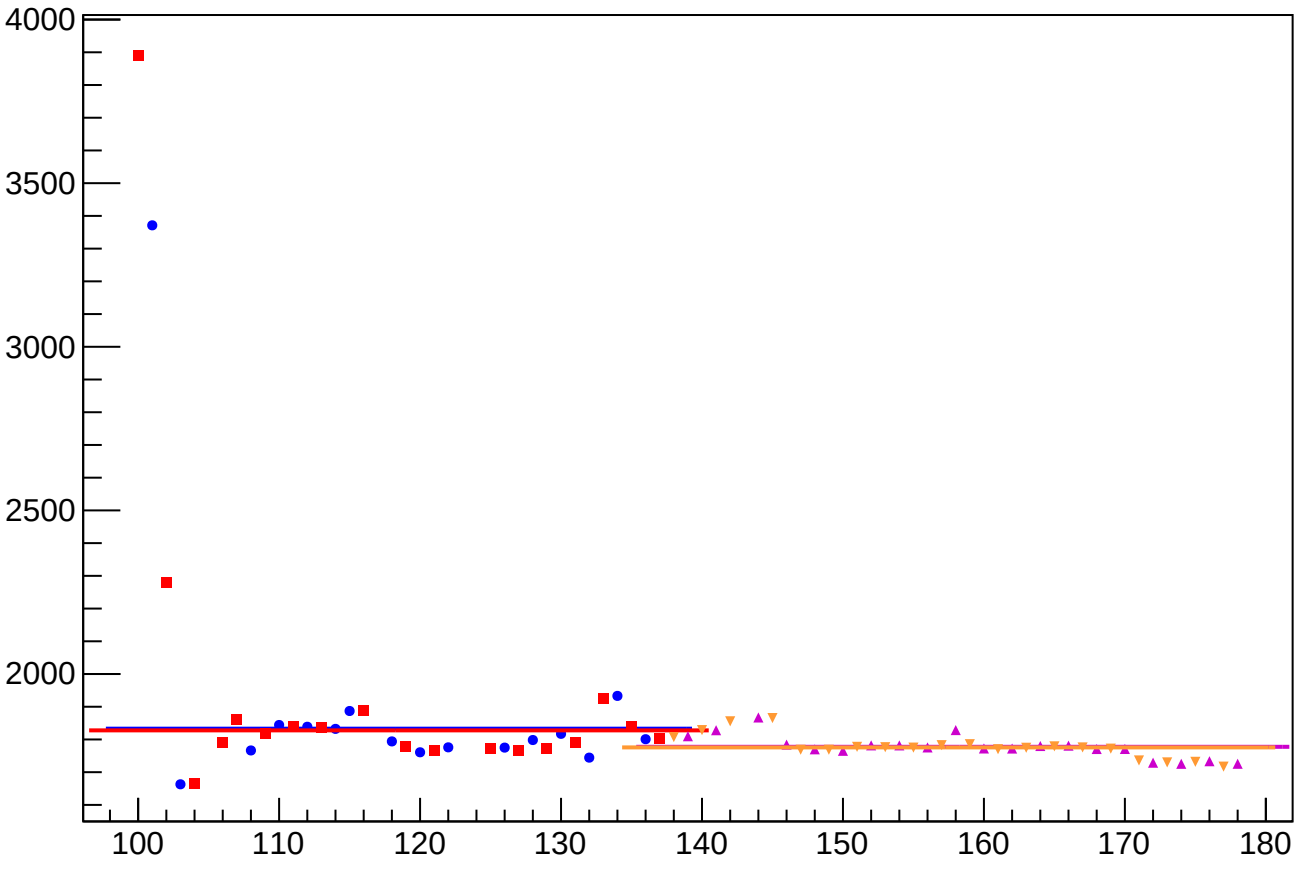
Right: 1006.170+/-0.208 χ^2/NDF: 5104800.3/33

In: 771.949+/-0.117 χ^2/NDF:3612927.3/35

Out: 760.010+/-0.118 χ^2/NDF:3980170.7/37

All: 765.989+/-0.083 χ^2/NDF: 7598263.3/73


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: -640.533+/-439.746 χ²/NDF:20.1/19
Left: -633.318+/-313.093 χ²/NDF: 42.8/39
Right: -871.950+/-485.576 χ²/NDF: 22.3/33
In: -854.014+/-370.687 χ²/NDF:30.3/35
Out: -550.407+/-373.591 χ²/NDF:34.8/37
All: -703.395+/-263.136 χ²/NDF: 65.3/73



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: 1777.556+/-0.311 χ^2/NDF:12793.7/19

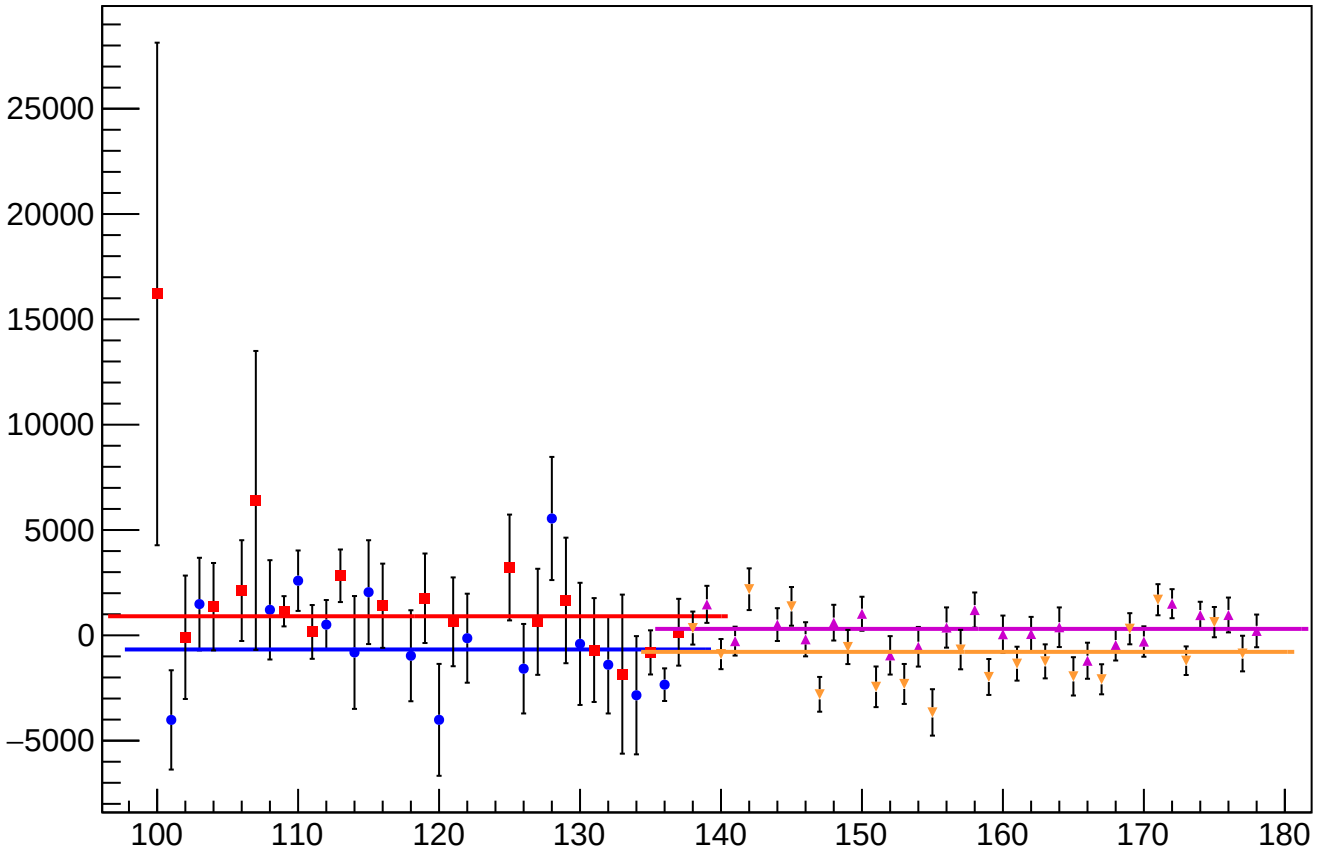
Left: 1776.647+/-0.221 χ^2/NDF: 25159.9/39

Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1793.588+/-0.262 χ^2/NDF:317418.9/35

Out: 1791.228+/-0.264 χ^2/NDF:122747.1/37

All: 1792.417+/-0.186 χ^2/NDF: 440206.3/73



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: 305.902+/-179.092 χ^2/NDF:17.5/19

Left: -226.221+/-128.148 χ^2/NDF: 96.0/39

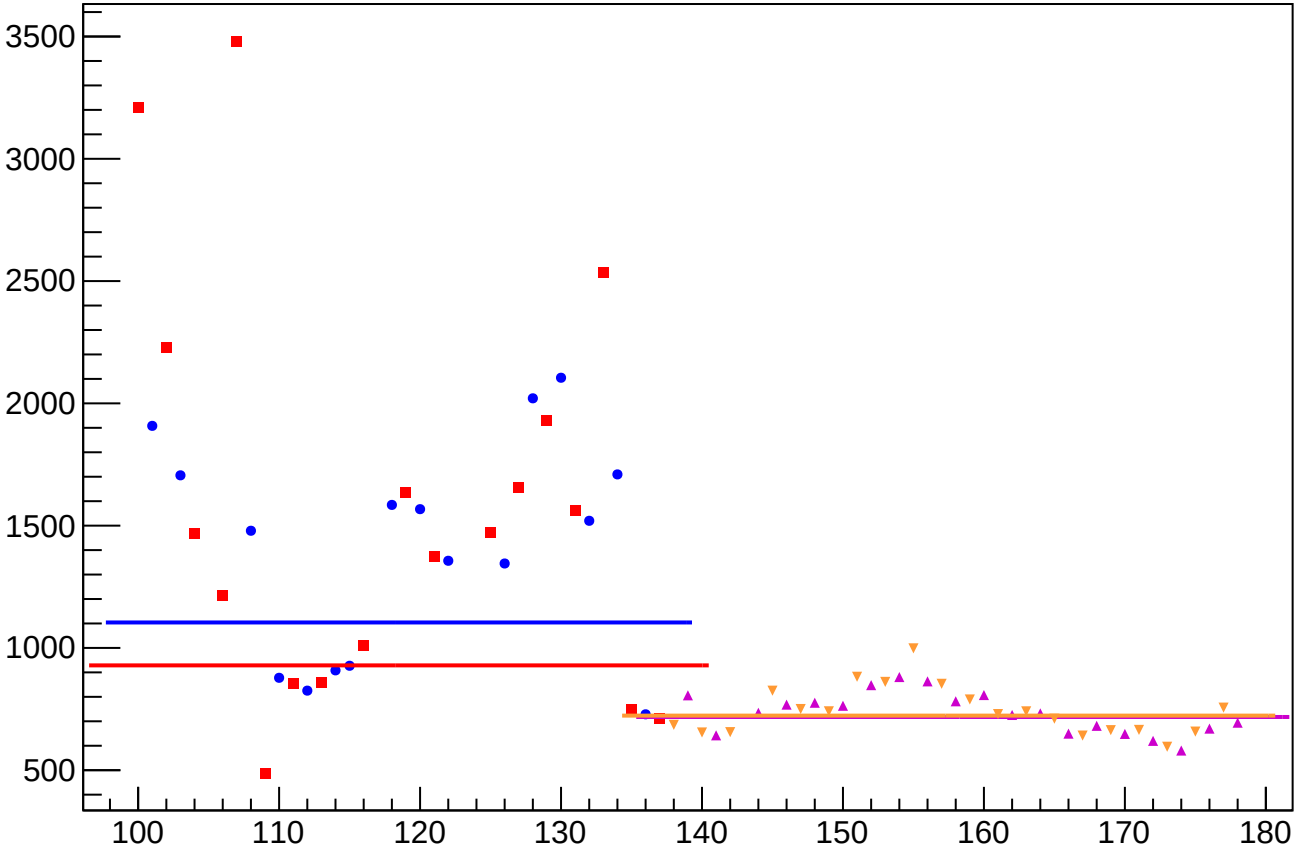
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: 168.471+/-166.011 χ^2/NDF:44.5/35

Out: -484.378+/-166.362 χ^2/NDF:86.0/37

All: -157.265+/-117.511 χ^2/NDF: 138.2/73

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: 717.607+/-0.127 χ^2/NDF:428088.6/19

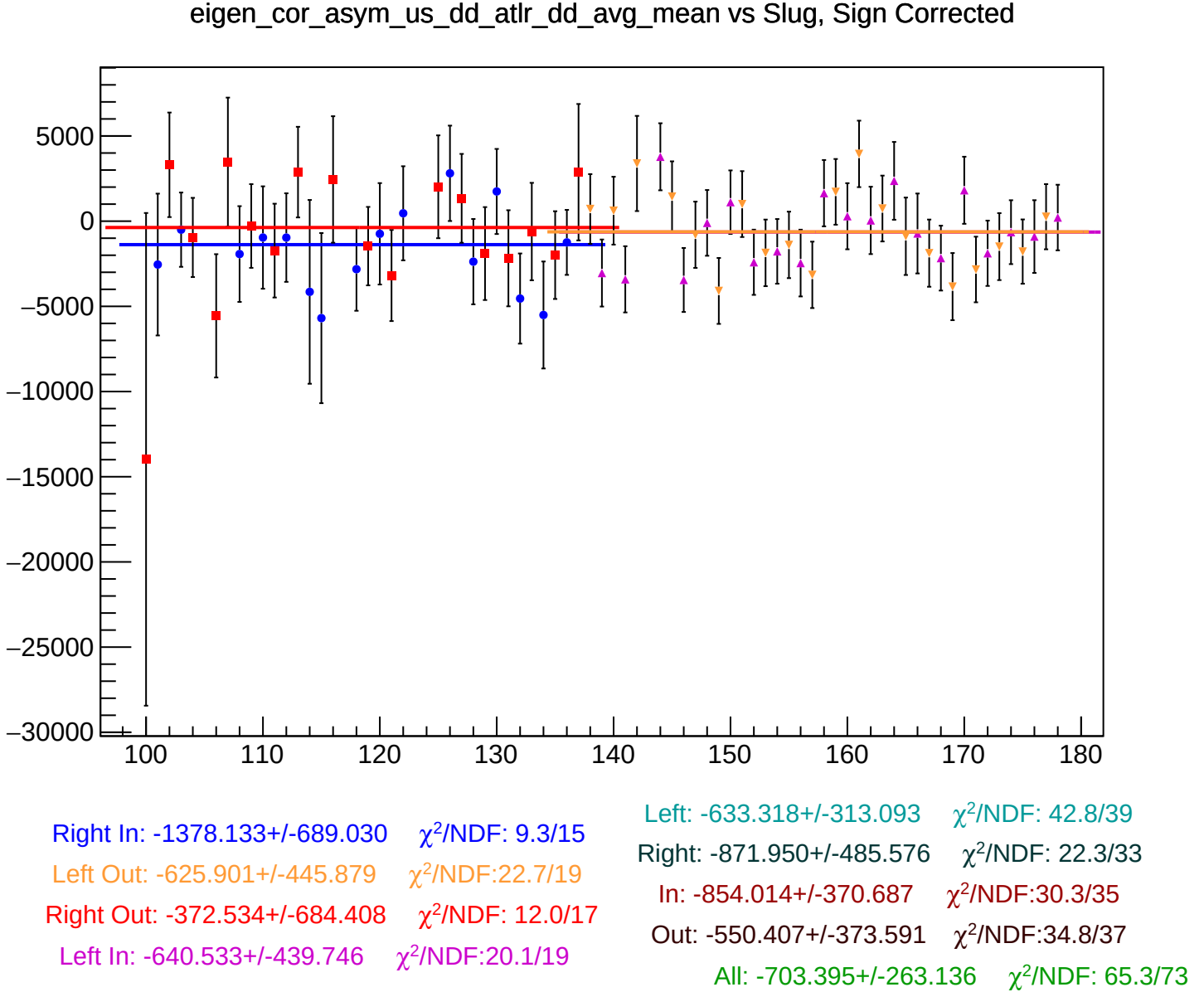
Left: 720.335+/-0.091 χ^2/NDF: 903926.1/39

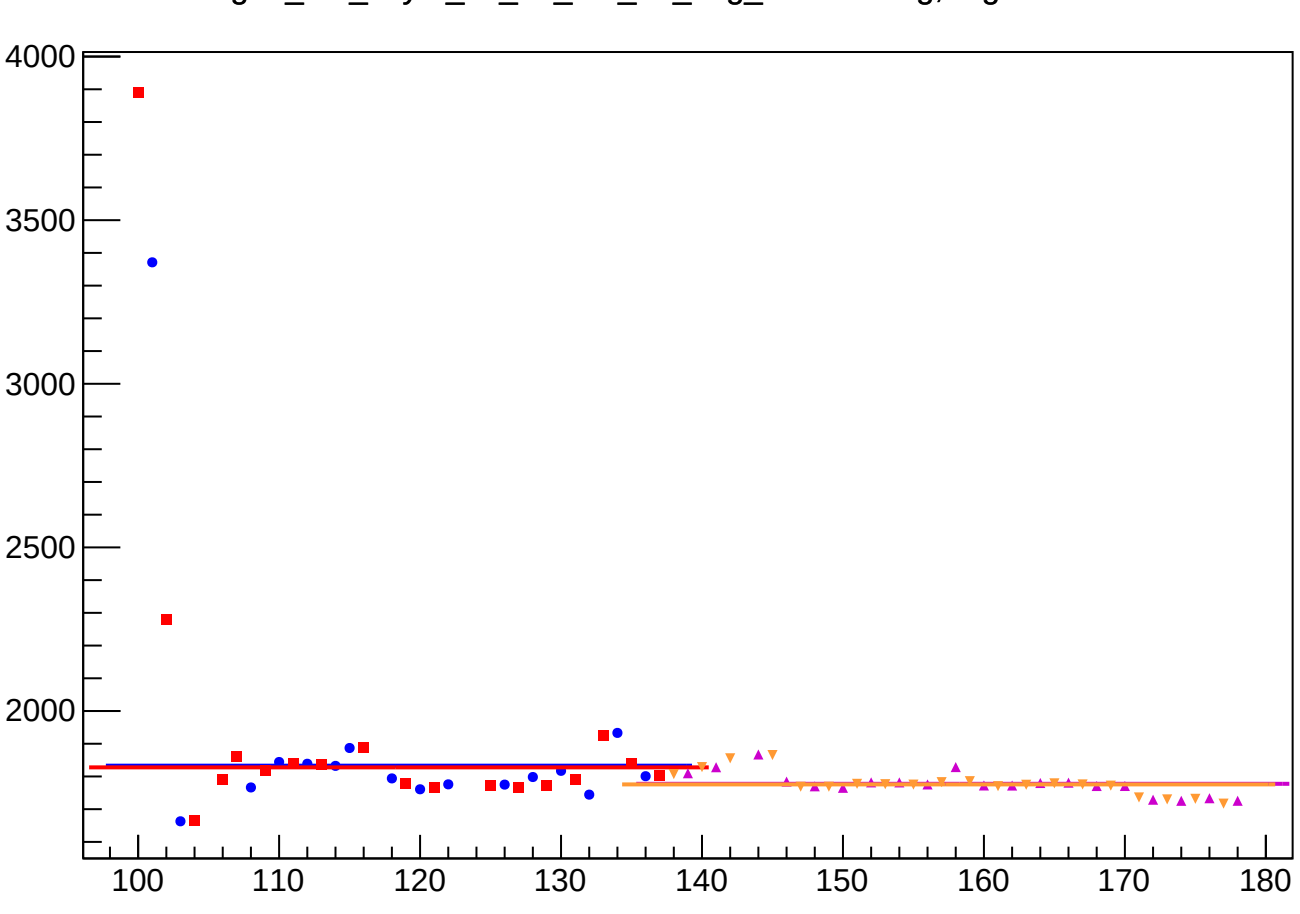
Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 772.005+/-0.117 χ^2/NDF:3633575.4/35

Out: 759.672+/-0.118 χ^2/NDF:3974602.8/37

All: 765.851+/-0.083 χ^2/NDF: 7613685.5/73


eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
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: -640.533+/-439.746 χ²/NDF:20.1/19
Left: -633.318+/-313.093 χ²/NDF: 42.8/39
Right: -871.950+/-485.576 χ²/NDF: 22.3/33
In: -854.014+/-370.687 χ²/NDF:30.3/35
Out: -550.407+/-373.591 χ²/NDF:34.8/37
All: -703.395+/-263.136 χ²/NDF: 65.3/73



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: 1777.556+/-0.311 χ^2/NDF:12793.7/19

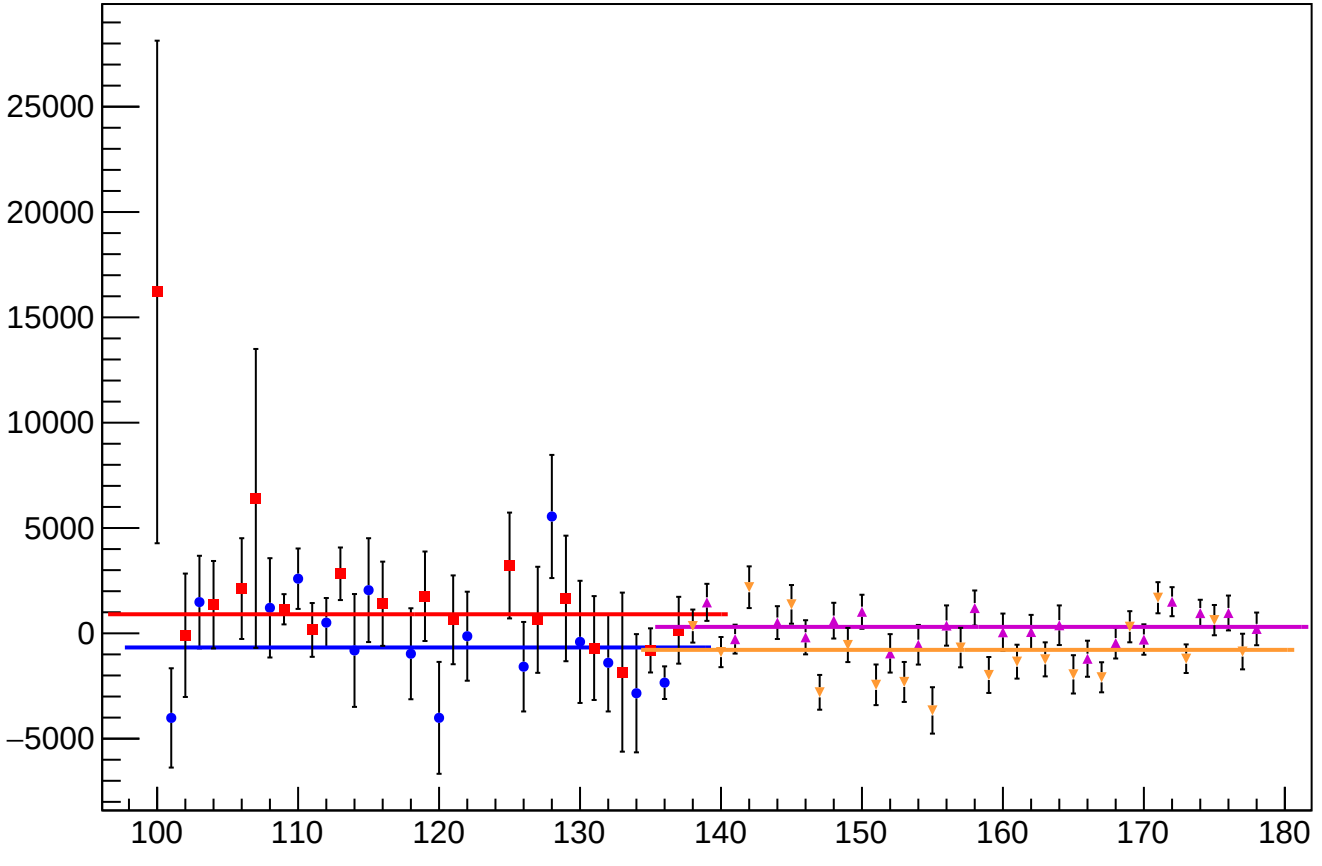
Left: 1776.647+/-0.221 χ^2/NDF: 25159.9/39

Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1793.588+/-0.262 χ^2/NDF:317418.9/35

Out: 1791.228+/-0.264 χ^2/NDF:122747.1/37

All: 1792.417+/-0.186 χ^2/NDF: 440206.3/73



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: 305.902+/-179.092 χ^2/NDF:17.5/19

Left: -226.221+/-128.148 χ^2/NDF: 96.0/39

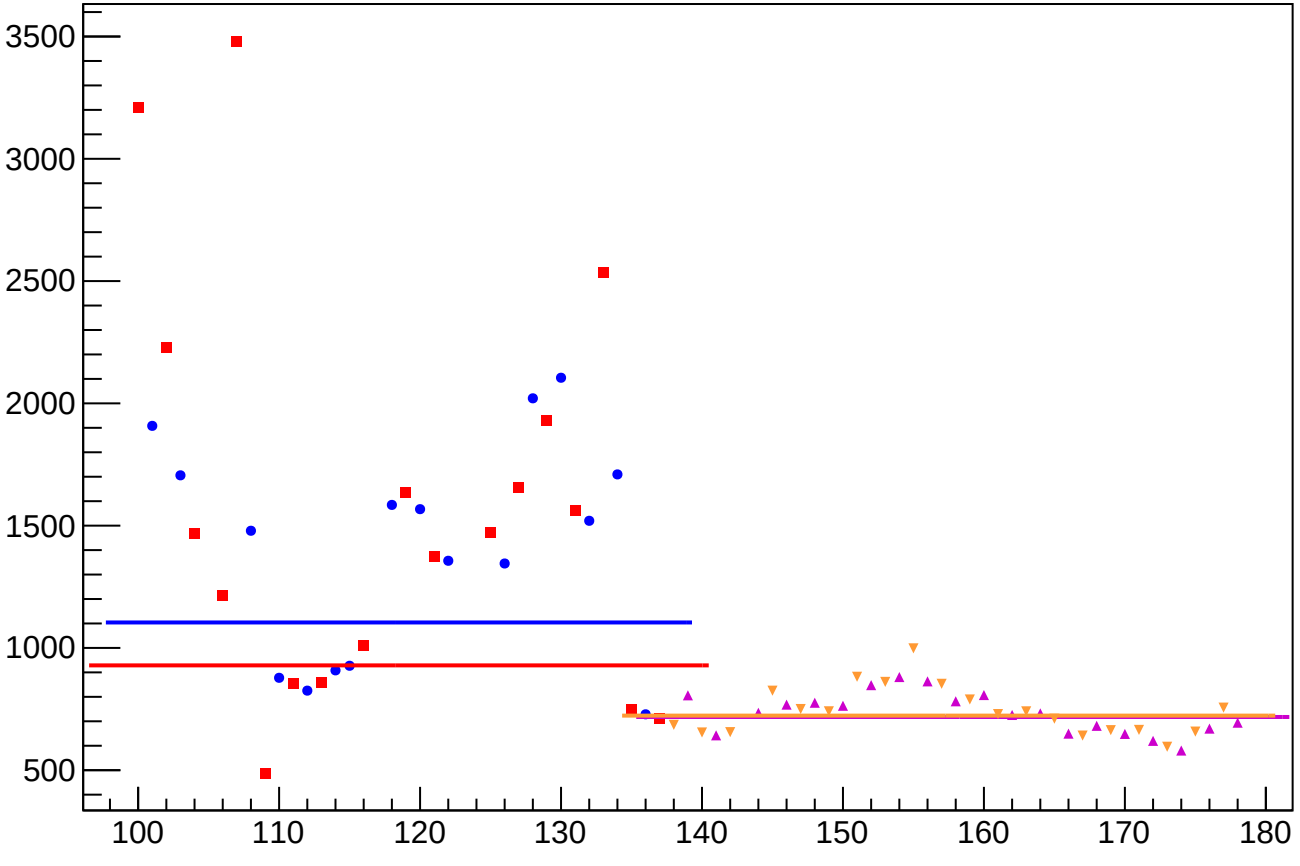
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: 168.471+/-166.011 χ^2/NDF:44.5/35

Out: -484.378+/-166.362 χ^2/NDF:86.0/37

All: -157.265+/-117.511 χ^2/NDF: 138.2/73

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: 717.607+/-0.127 χ^2/NDF:428088.6/19

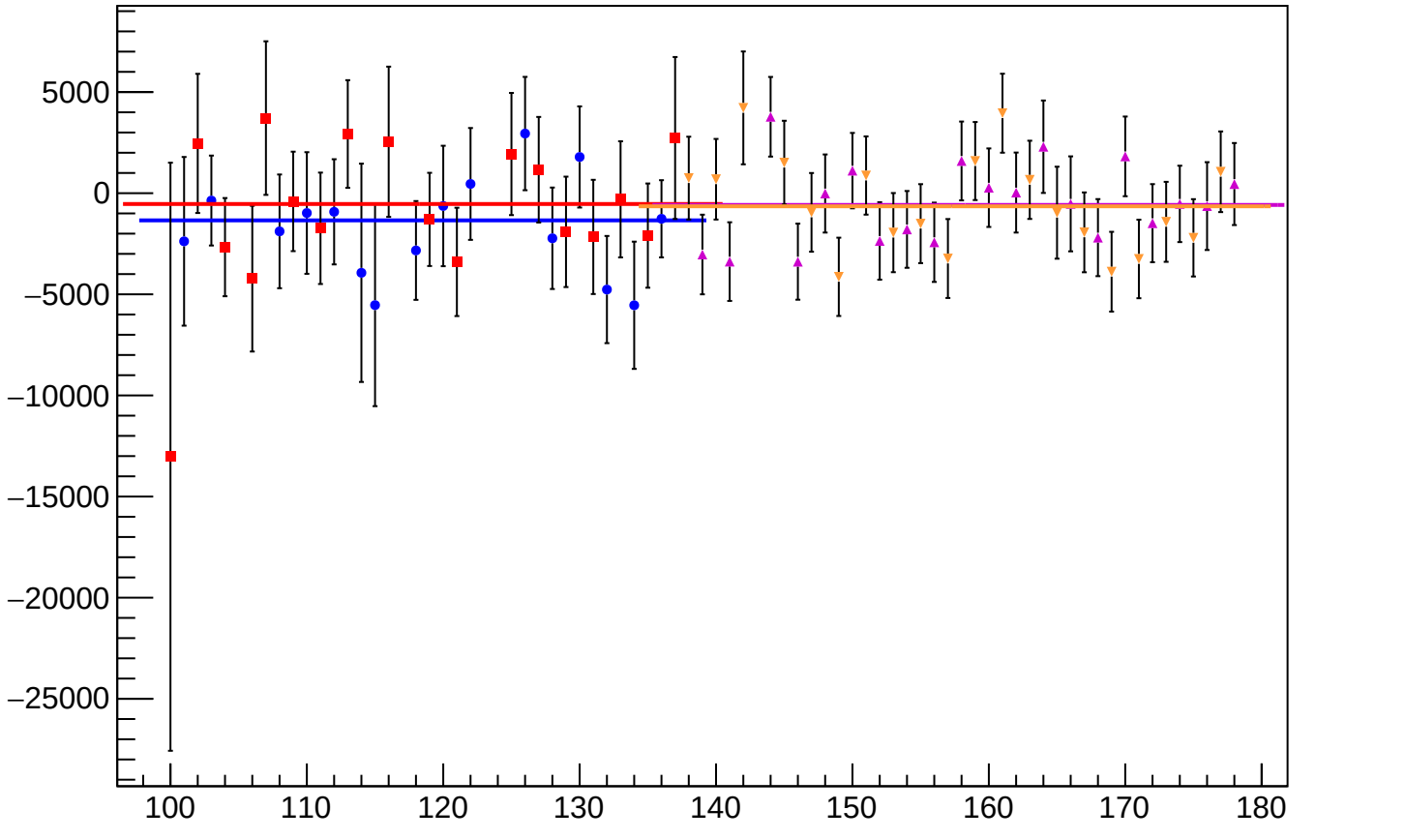
Left: 720.335+/-0.091 χ^2/NDF: 903926.1/39

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 772.005+/-0.117 χ^2/NDF:3633575.4/35

Out: 759.672+/-0.118 χ^2/NDF:3974602.8/37

All: 765.851+/-0.083 χ^2/NDF: 7613685.5/73



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: -581.119+/-441.782 χ^2/NDF:19.6/19

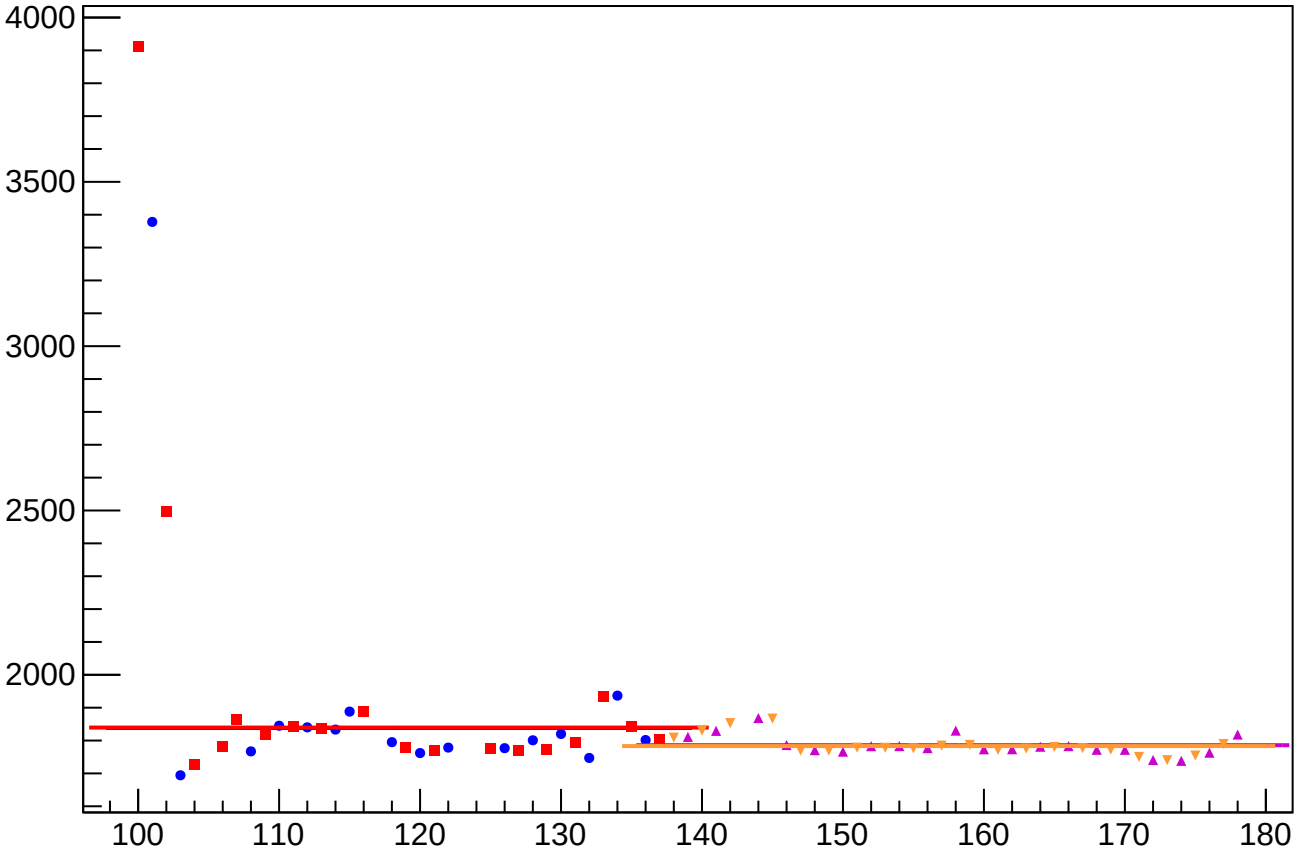
Left: -613.906+/-314.468 χ^2/NDF: 44.8/39

Right: -939.091+/-488.579 χ^2/NDF: 21.4/33

In: -802.484+/-372.203 χ^2/NDF:30.1/35

Out: -614.052+/-375.743 χ^2/NDF:36.3/37

All: -709.160+/-264.430 χ^2/NDF: 66.5/73



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: 1785.850+/-0.312 χ^2/NDF:9759.0/19

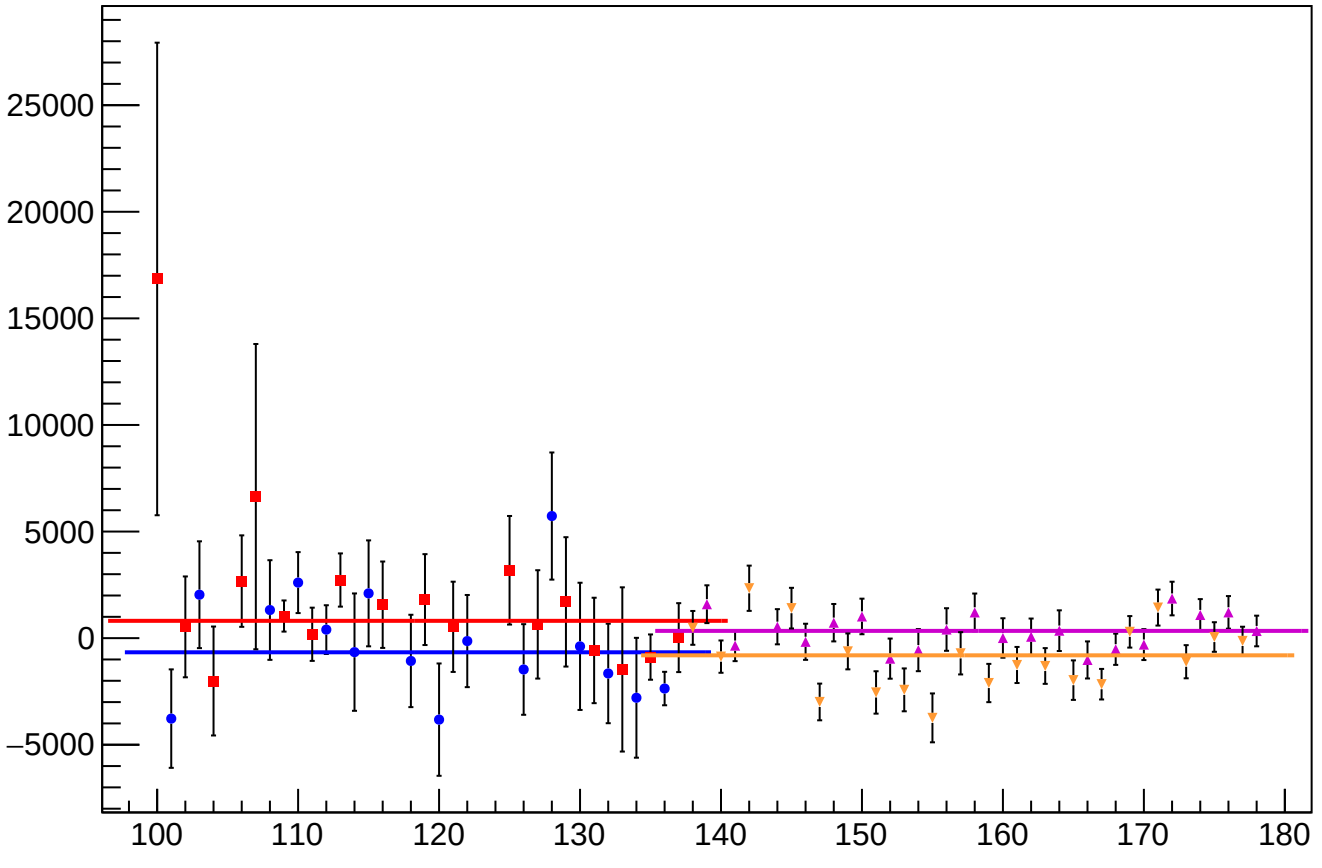
Left: 1784.530+/-0.222 χ^2/NDF: 18145.0/39

Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1801.029+/-0.263 χ^2/NDF:309879.9/35

Out: 1799.836+/-0.266 χ^2/NDF:145968.8/37

All: 1800.438+/-0.187 χ^2/NDF: 455858.9/73



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: 340.645+/-185.782 χ^2/NDF:18.7/19

Left: -225.313+/-132.199 χ^2/NDF: 92.9/39

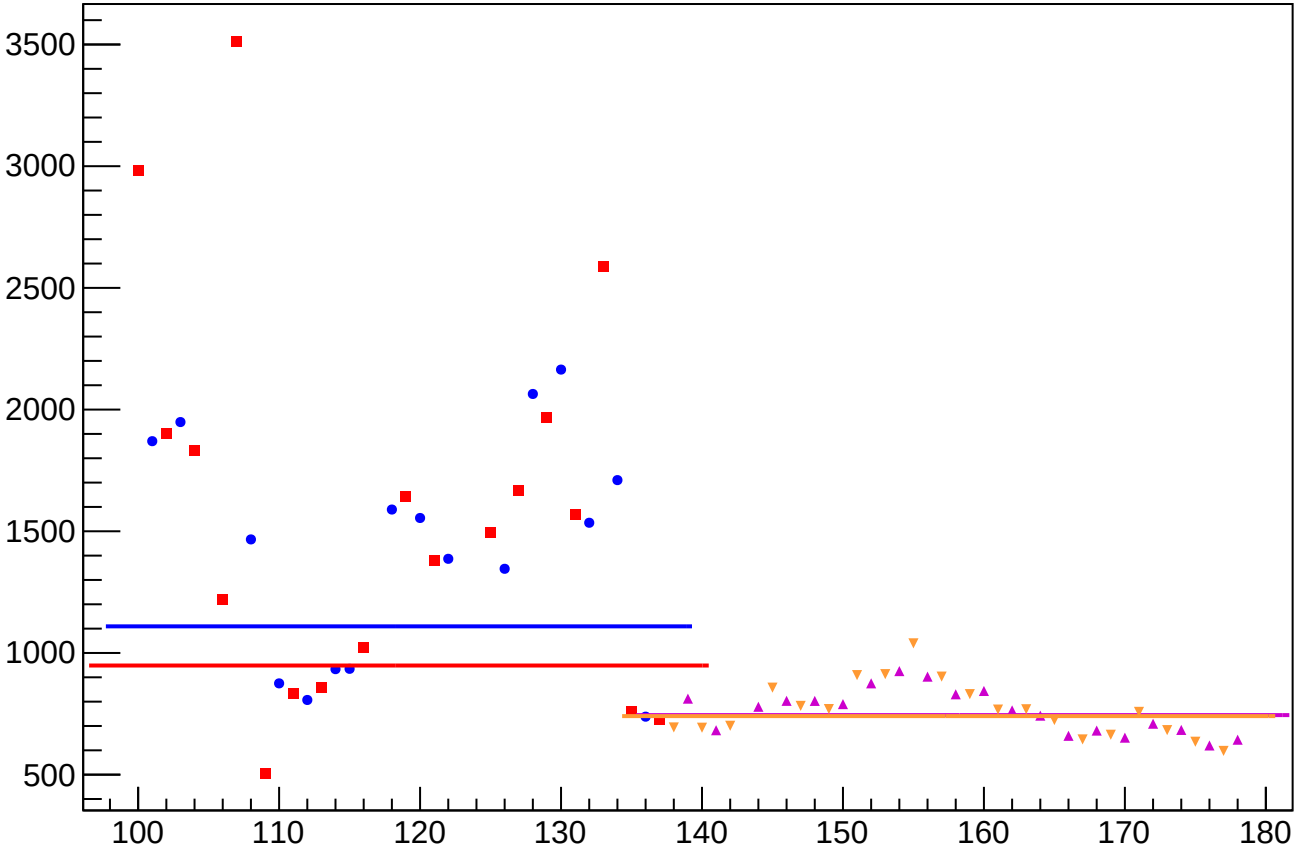
Right: 159.335+/-296.587 χ^2/NDF: 41.1/33

In: 192.119+/-171.493 χ^2/NDF:45.8/35

Out: -509.276+/-170.042 χ^2/NDF:81.2/37

All: -161.558+/-120.747 χ^2/NDF: 135.4/73

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: 744.712+/-0.131 χ^2/NDF:429140.3/19

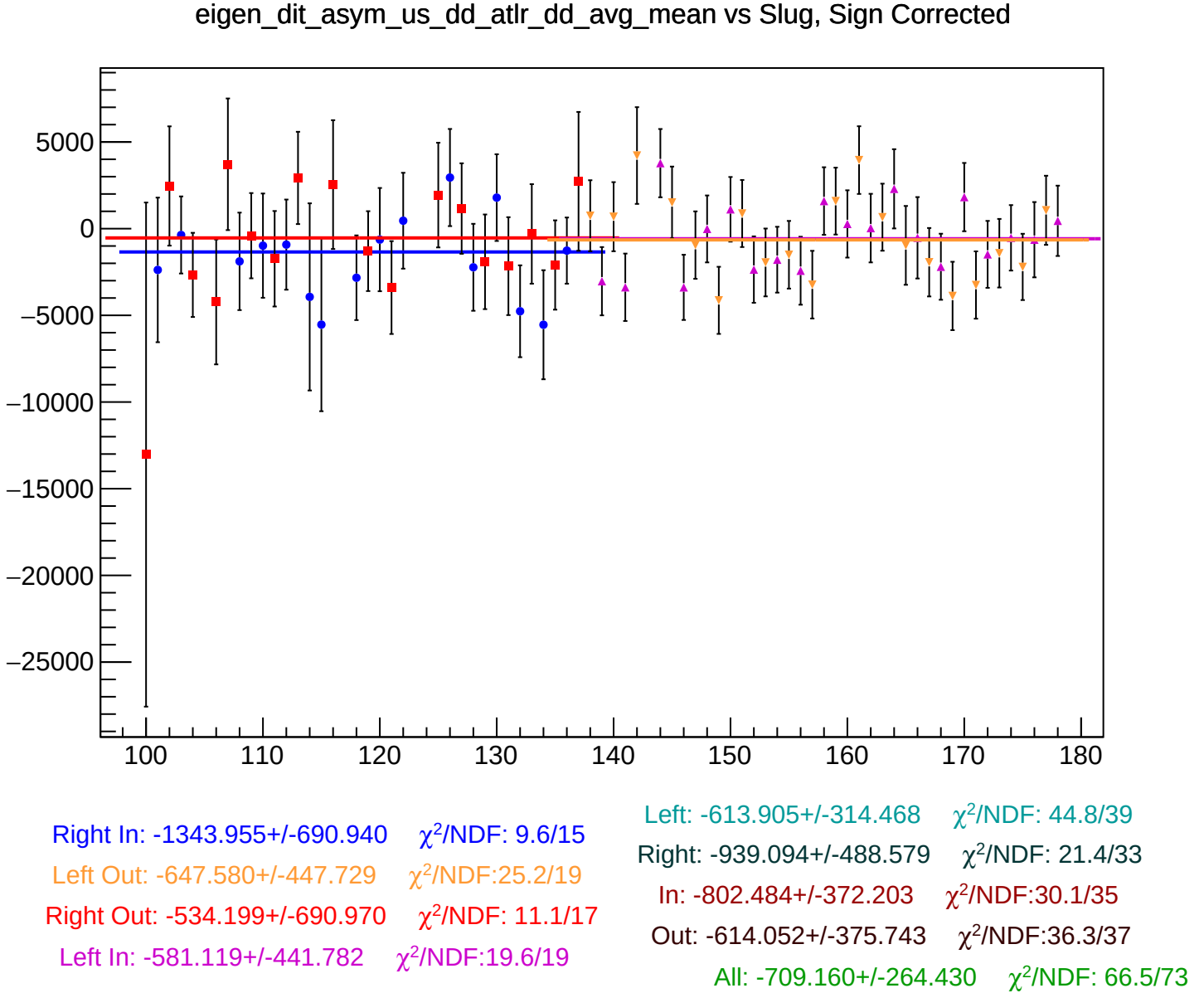
Left: 742.670+/-0.093 χ^2/NDF: 1022454.5/39

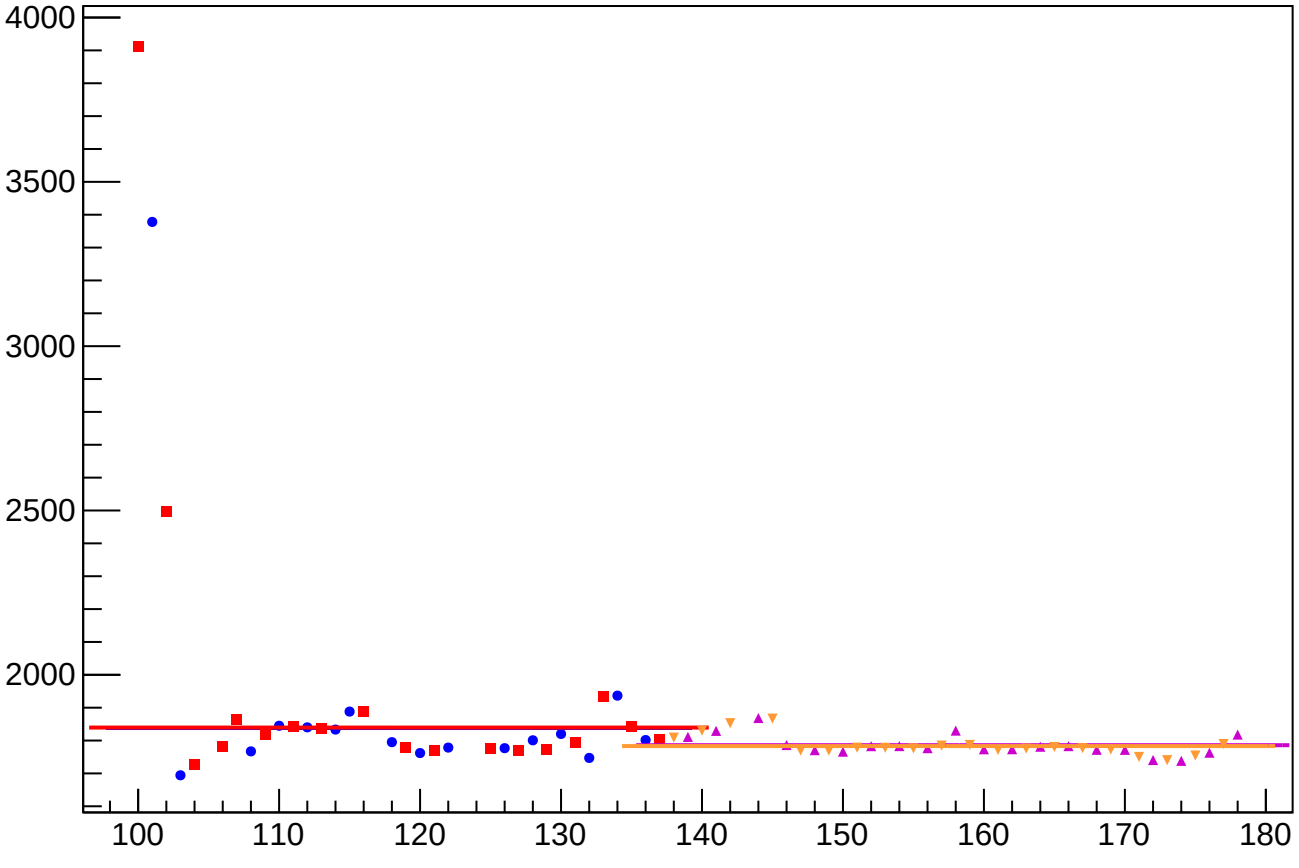
Right: 1019.632+/-0.210 χ^2/NDF: 5172280.0/33

In: 798.648+/-0.121 χ^2/NDF:3542188.9/35

Out: 778.674+/-0.120 χ^2/NDF:4093861.5/37

All: 788.576+/-0.085 χ^2/NDF: 7649732.5/73


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
Right In: -1343.955+/-690.940 χ²/NDF: 9.6/15
Left Out: -647.580+/-447.729 χ²/NDF:25.2/19
Right Out: -534.199+/-690.970 χ²/NDF: 11.1/17
Left In: -581.119+/-441.782 χ²/NDF:19.6/19
Left: -613.905+/-314.468 χ²/NDF: 44.8/39
Right: -939.094+/-488.579 χ²/NDF: 21.4/33
In: -802.484+/-372.203 χ²/NDF:30.1/35
Out: -614.052+/-375.743 χ²/NDF:36.3/37
All: -709.160+/-264.430 χ²/NDF: 66.5/73



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: 1785.850+/-0.312 χ^2/NDF:9759.0/19

Left: 1784.530+/-0.222 χ^2/NDF: 18145.0/39

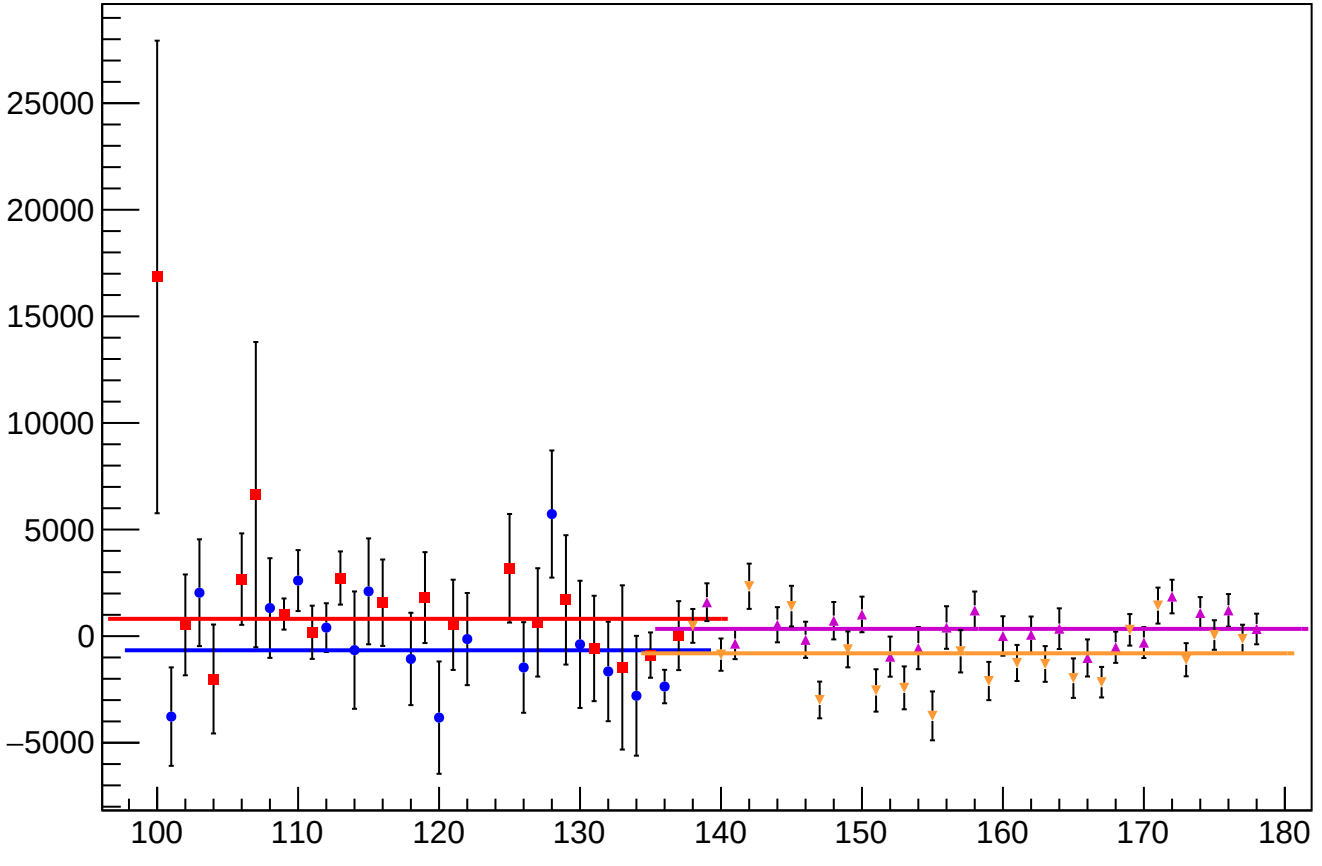
Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1801.029+/-0.263 χ^2/NDF:309879.9/35

Out: 1799.836+/-0.266 χ^2/NDF:145968.9/37

All: 1800.438+/-0.187 χ^2/NDF: 455859.0/73

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: 340.643+/-185.782 χ^2/NDF:18.7/19

Left: -225.314+/-132.199 χ^2/NDF: 92.9/39

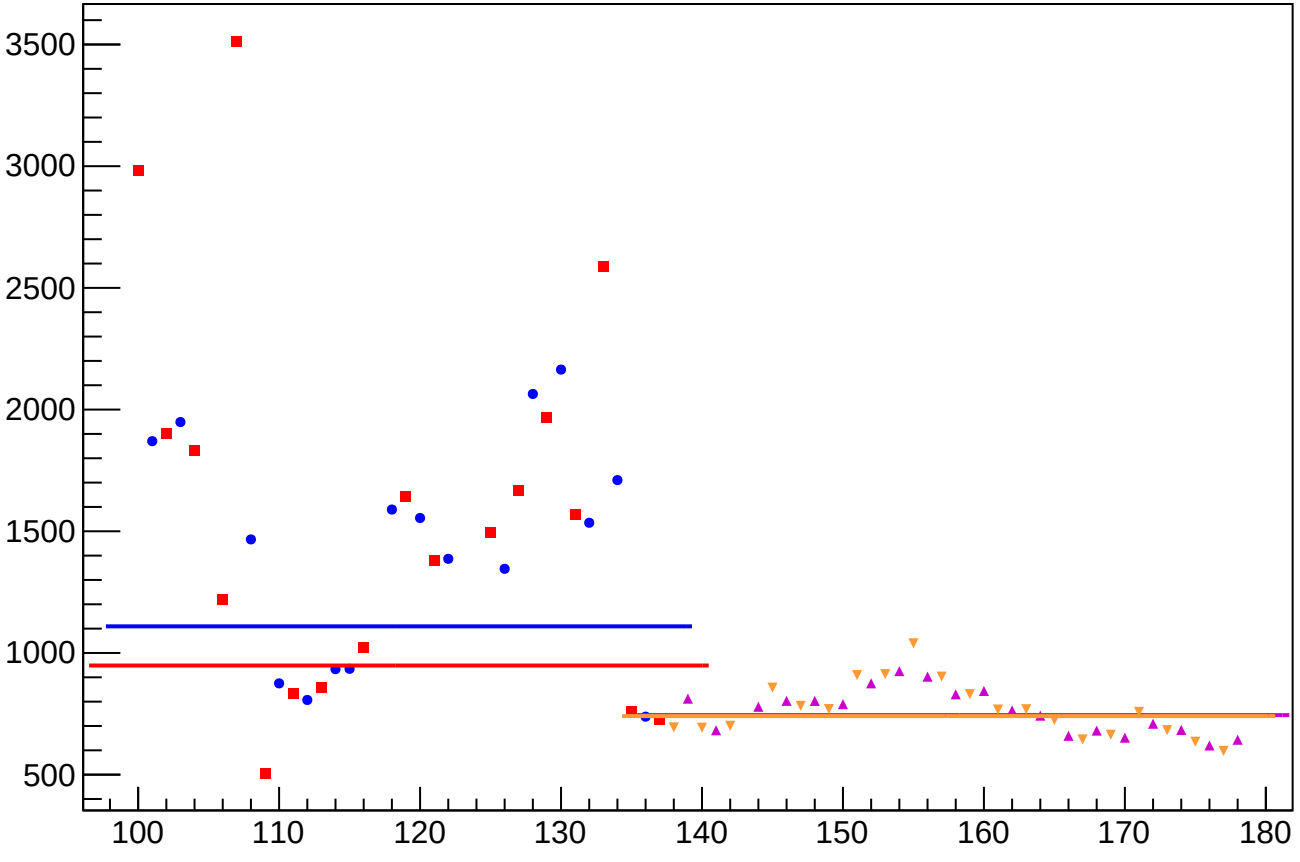
Right: 159.344+/-296.588 χ^2/NDF: 41.1/33

In: 192.120+/-171.493 χ^2/NDF:45.8/35

Out: -509.277+/-170.042 χ^2/NDF:81.2/37

All: -161.558+/-120.747 χ^2/NDF: 135.4/73

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: 744.711+/-0.131 χ^2/NDF:429150.2/19

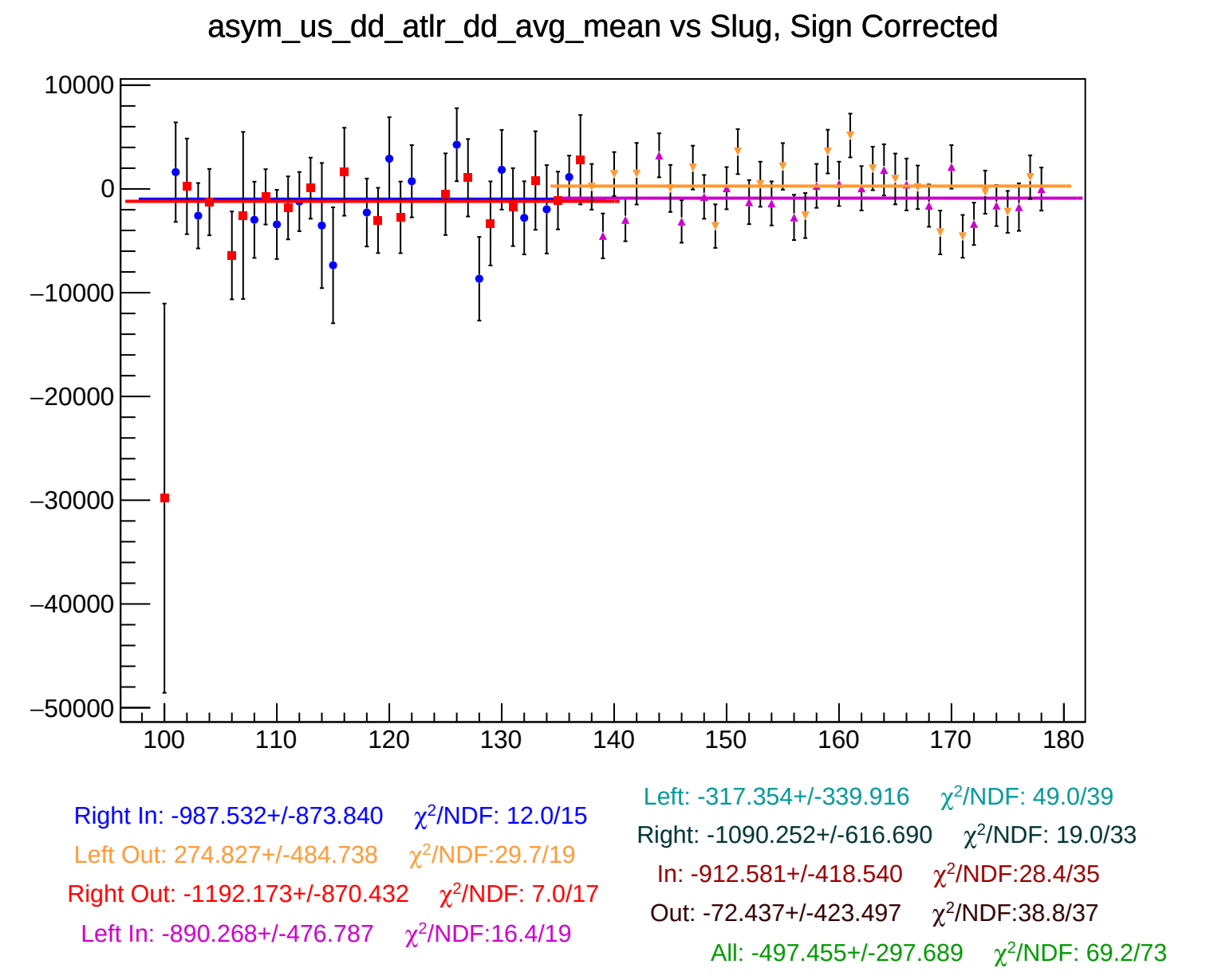
Left: 742.670+/-0.093 χ^2/NDF: 1022457.8/39

Right: 1019.635+/-0.210 χ^2/NDF: 5172215.4/33

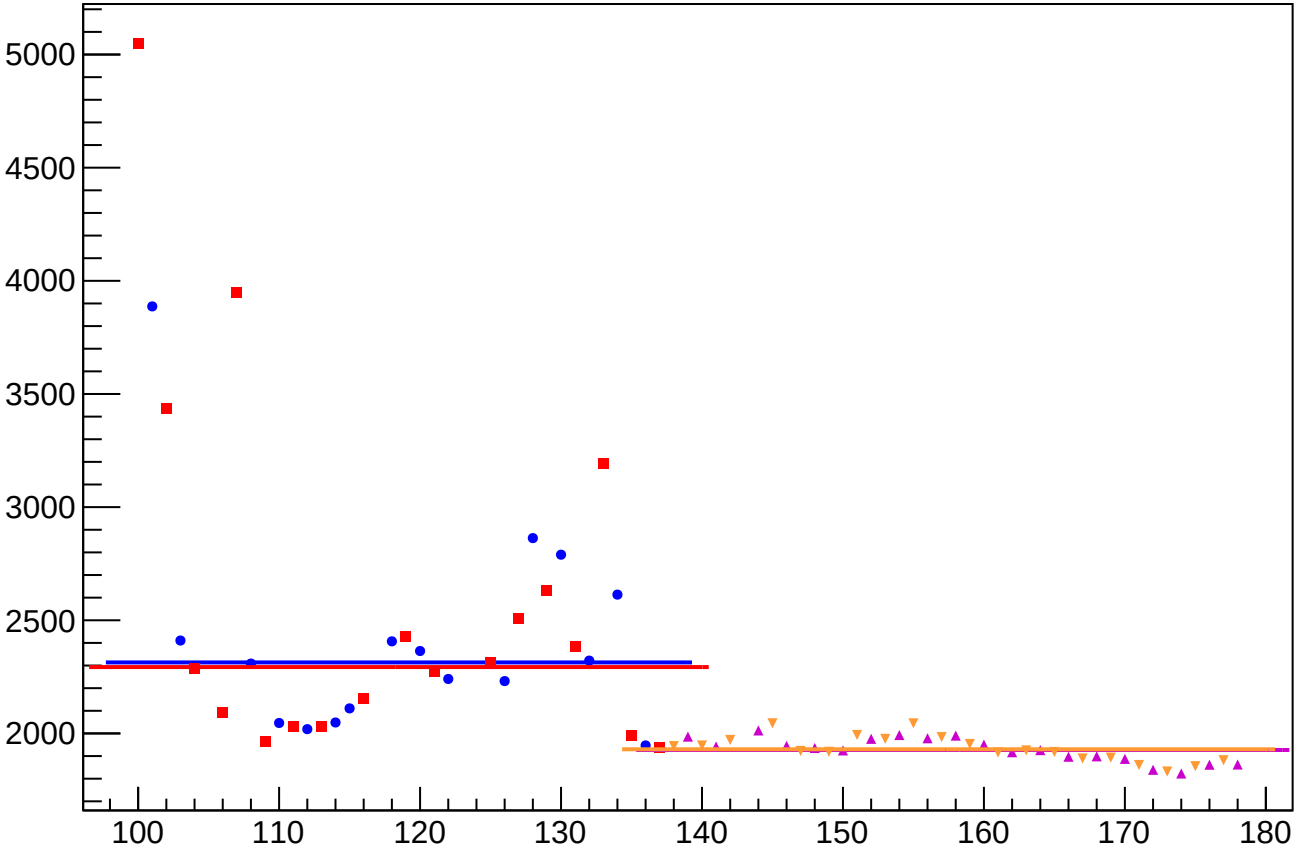
In: 798.648+/-0.121 χ^2/NDF:3542177.9/35

Out: 778.674+/-0.120 χ^2/NDF:4093836.1/37

All: 788.577+/-0.085 χ^2/NDF: 7649695.0/73


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: -890.268+/-476.787 χ²/NDF:16.4/19
Left: -317.354+/-339.916 χ²/NDF: 49.0/39
Right: -1090.252+/-616.690 χ²/NDF: 19.0/33
In: -912.581+/-418.540 χ²/NDF:28.4/35
Out: -72.437+/-423.497 χ²/NDF:38.8/37
All: -497.455+/-297.689 χ²/NDF: 69.2/73

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: 1926.814+/-0.337 χ^2/NDF:25410.8/19

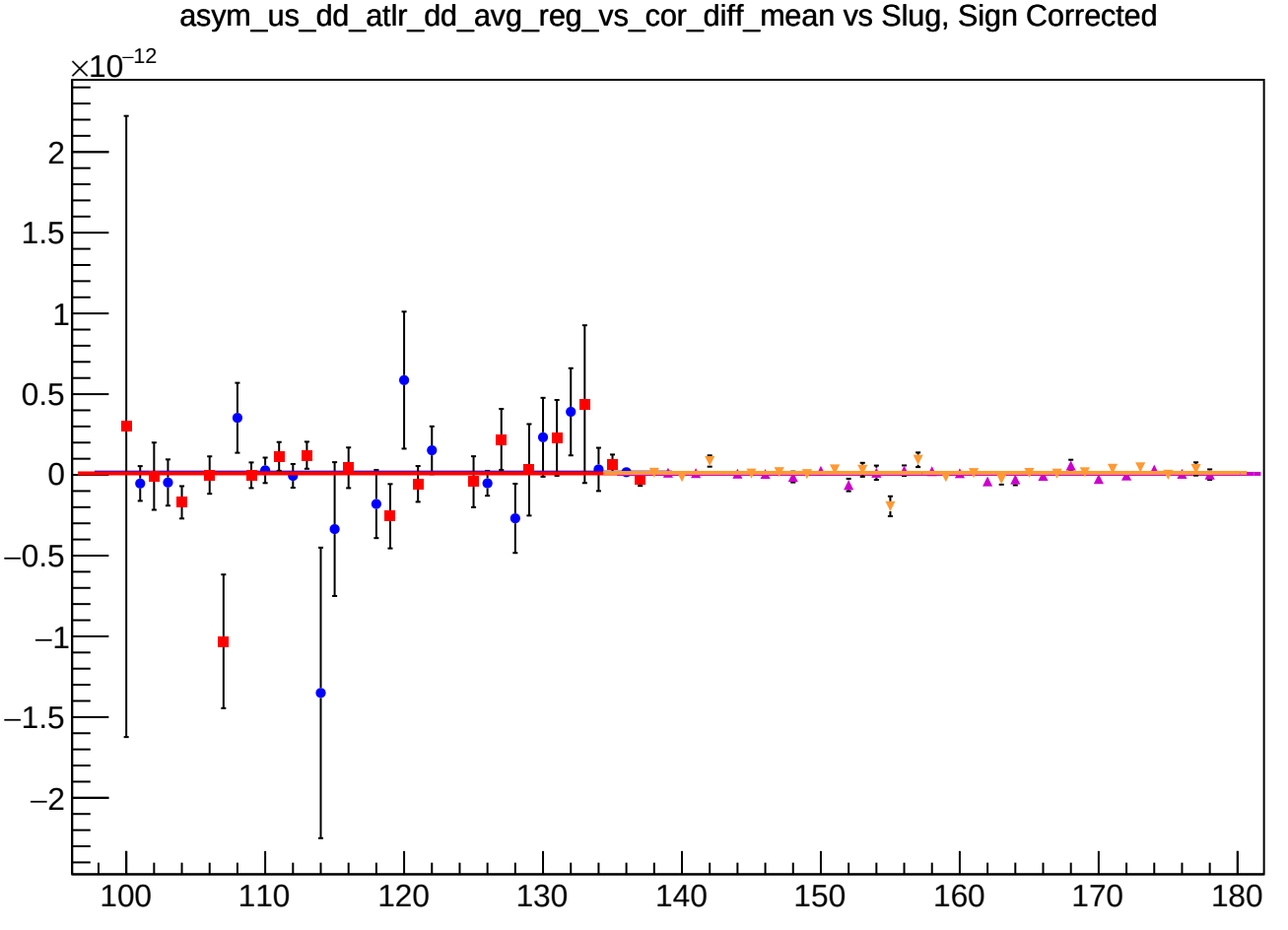
Left: 1928.346+/-0.240 χ^2/NDF: 52521.4/39

Right: 2303.467+/-0.436 χ^2/NDF: 856509.6/33

In: 2015.579+/-0.296 χ^2/NDF:730335.9/35

Out: 2015.941+/-0.299 χ^2/NDF:746273.8/37

All: 2015.758+/-0.210 χ^2/NDF: 1476610.5/73



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:14.7/19

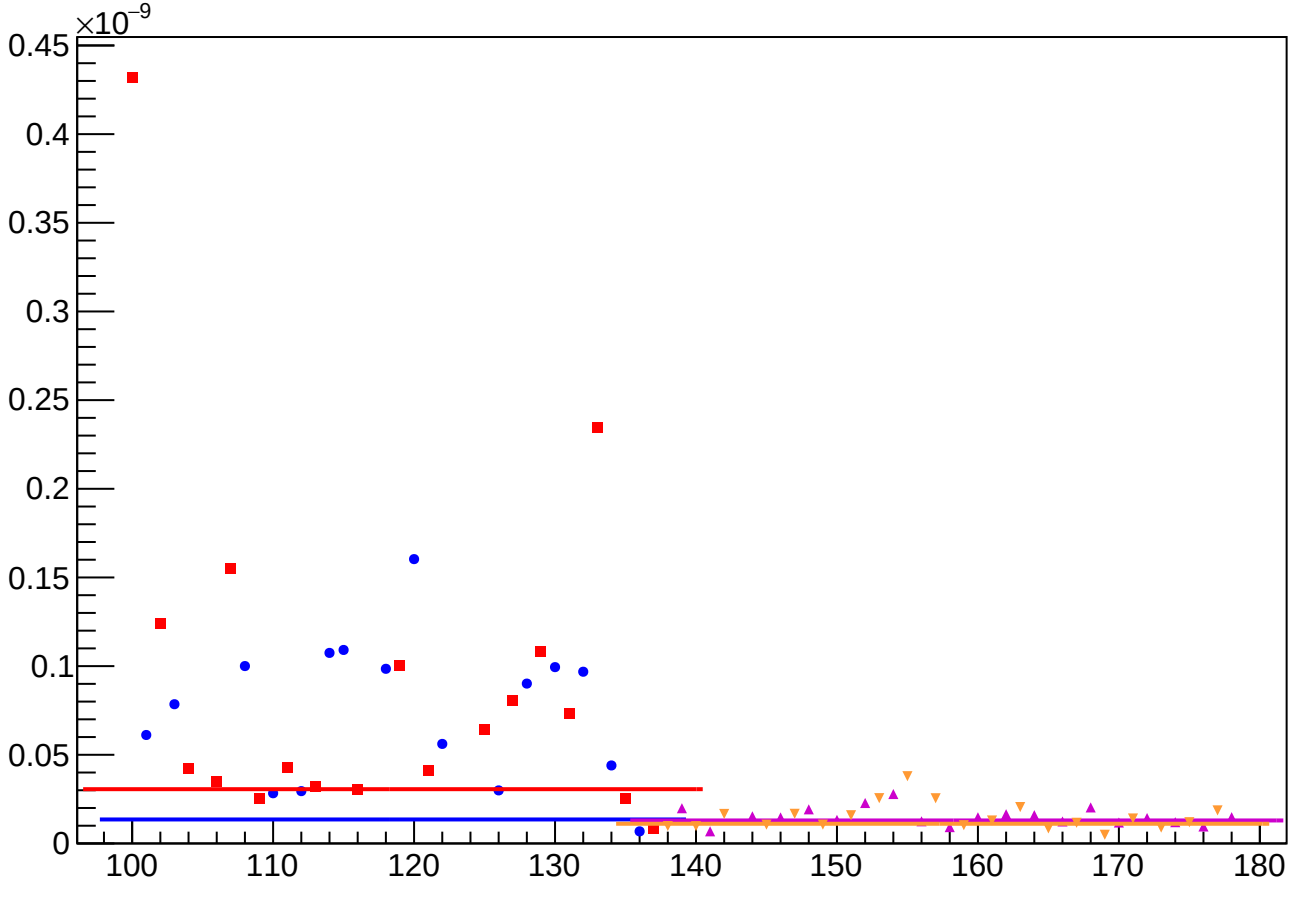
Left: 0.000+/-0.000 χ^2/NDF: 44.6/39

Right: 0.000+/-0.000 χ^2/NDF: 34.5/33

In: 0.000+/-0.000 χ^2/NDF:30.0/35

Out: 0.000+/-0.000 χ^2/NDF:48.8/37

All: 0.000+/-0.000 χ^2/NDF: 79.2/73



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:1207769.1/19

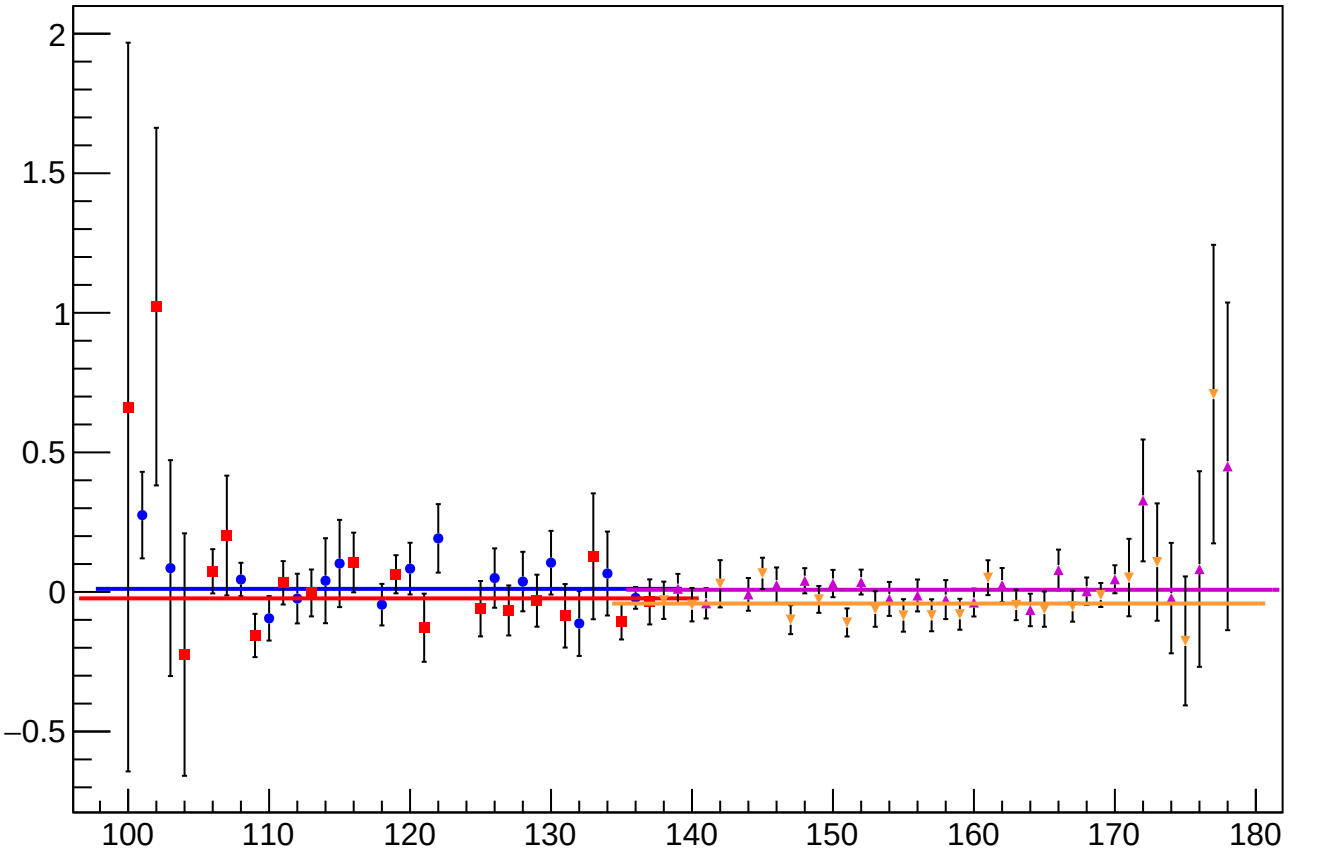
Left: 0.000+/-0.000 χ^2/NDF: 3122265.0/39

Right: 0.000+/-0.000 χ^2/NDF: 6517274.2/33

In: 0.000+/-0.000 χ^2/NDF:4626587.1/35

Out: 0.000+/-0.000 χ^2/NDF:5399767.6/37

All: 0.000+/-0.000 χ^2/NDF: 10070877.8/73



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:9.5/19

Left: -0.016+/-0.010 χ^2/NDF: 31.3/39

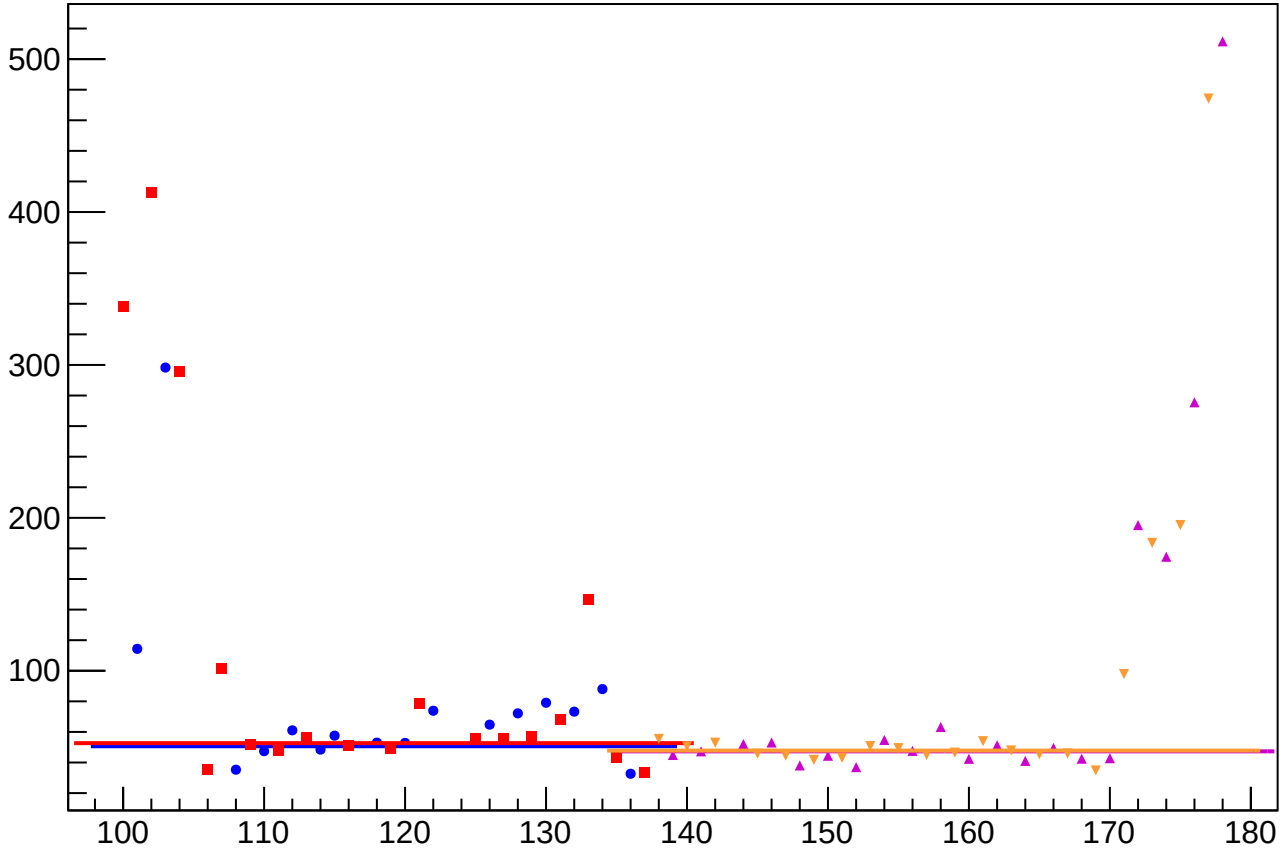
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.009+/-0.012 χ^2/NDF:21.2/35

Out: -0.037+/-0.012 χ^2/NDF:31.8/37

All: -0.013+/-0.008 χ^2/NDF: 60.4/73

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: 47.301+/-0.010 χ^2/NDF:4300721.1/19

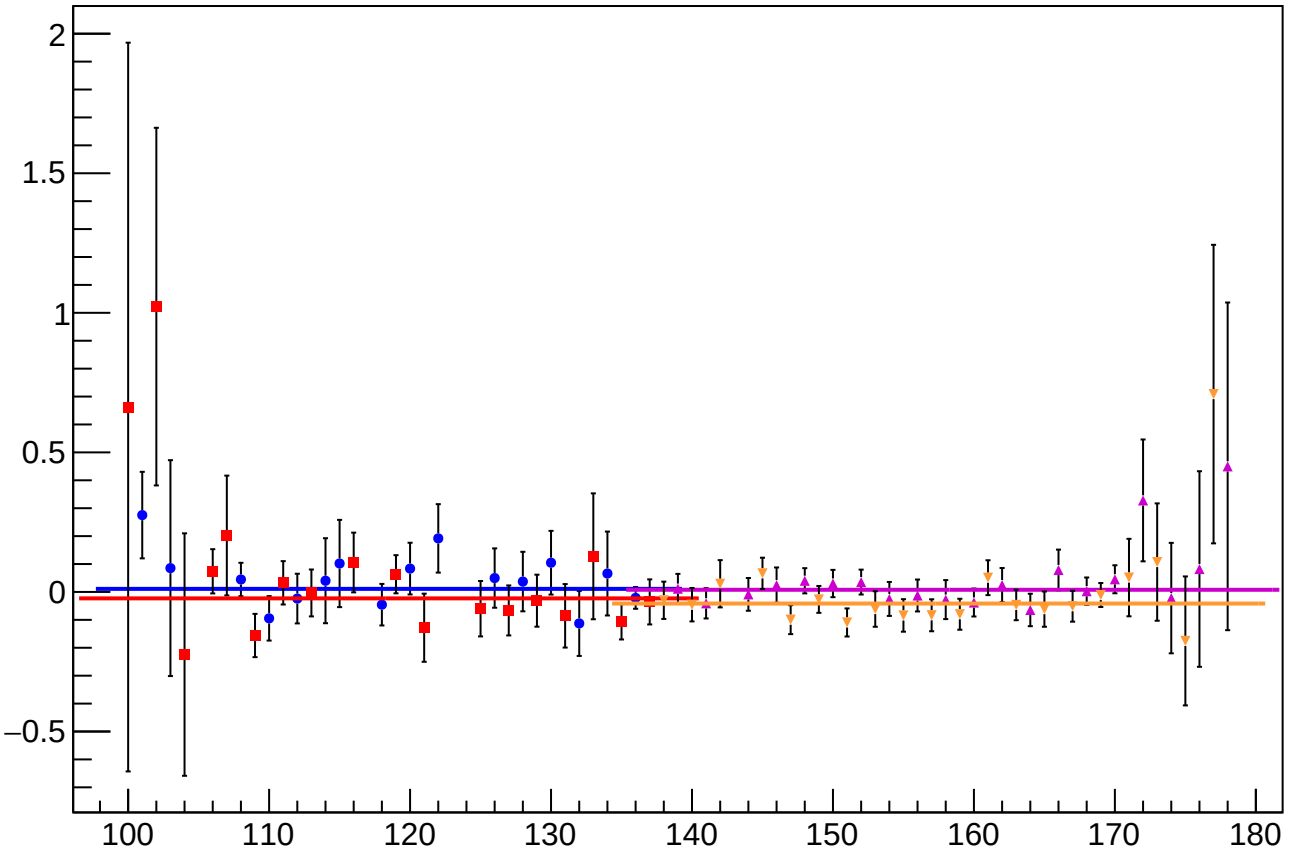
Left: 47.540+/-0.007 χ^2/NDF: 7802709.6/39

Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 48.229+/-0.008 χ^2/NDF:6600954.8/35

Out: 49.094+/-0.008 χ^2/NDF:5777801.8/37

All: 48.646+/-0.006 χ^2/NDF: 12384203.0/73



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:9.5/19

Left: -0.016+/-0.010 χ^2/NDF: 31.3/39

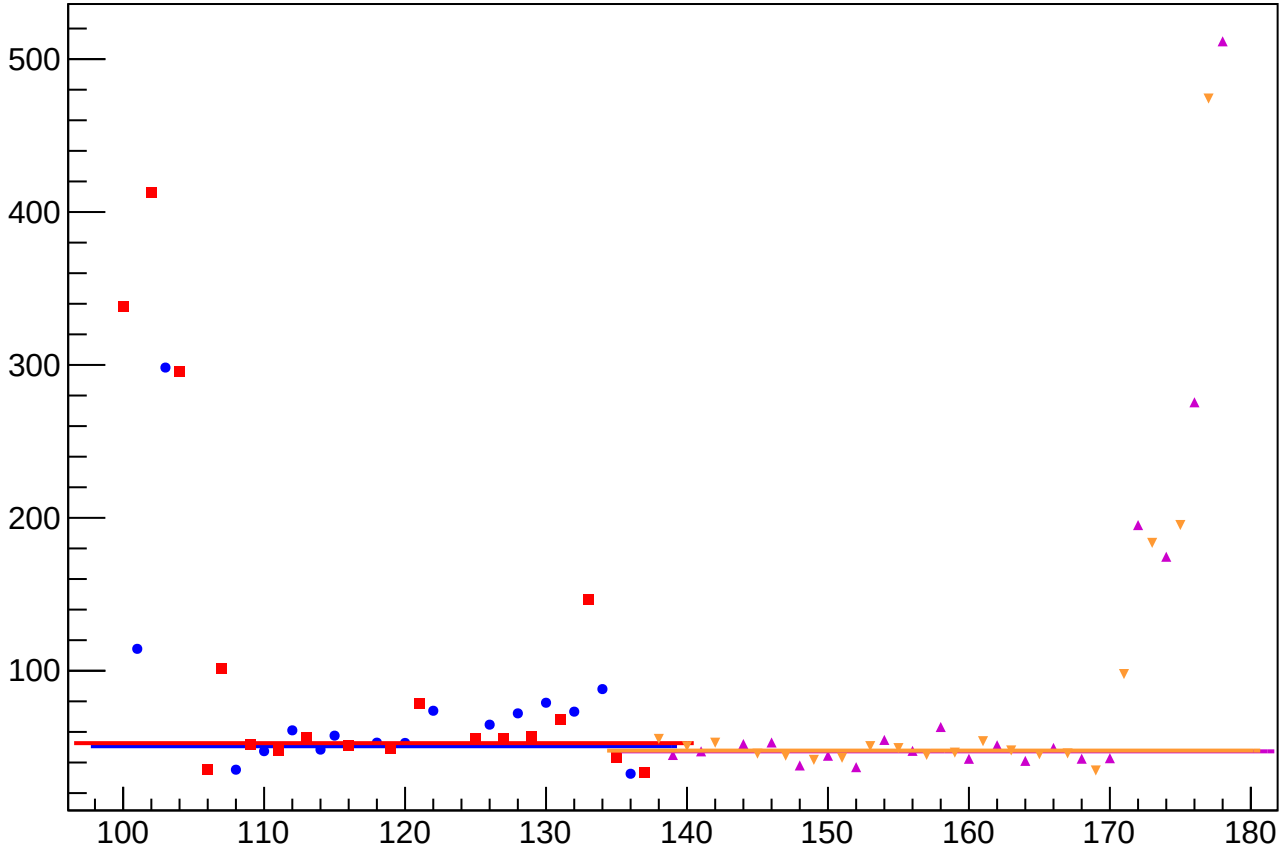
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.009+/-0.012 χ^2/NDF:21.2/35

Out: -0.037+/-0.012 χ^2/NDF:31.8/37

All: -0.013+/-0.008 χ^2/NDF: 60.4/73

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 47.794+/-0.010 χ^2/NDF:3500704.6/19

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 47.301+/-0.010 χ^2/NDF:4300721.1/19

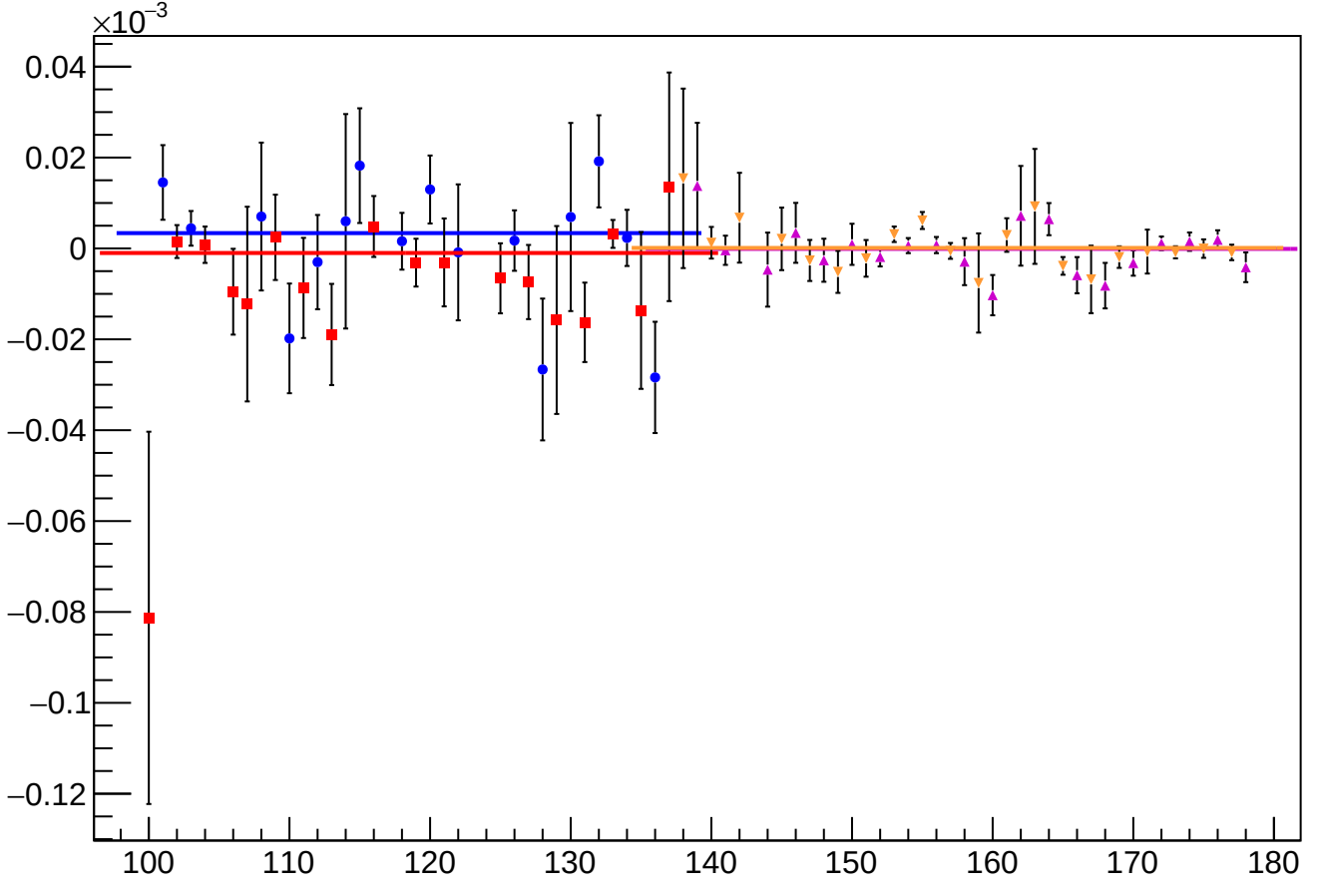
Left: 47.540+/-0.007 χ^2/NDF: 7802709.6/39

Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 48.229+/-0.008 χ^2/NDF:6600954.8/35

Out: 49.094+/-0.008 χ^2/NDF:5777801.8/37

All: 48.646+/-0.006 χ^2/NDF: 12384203.0/73



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:22.2/19

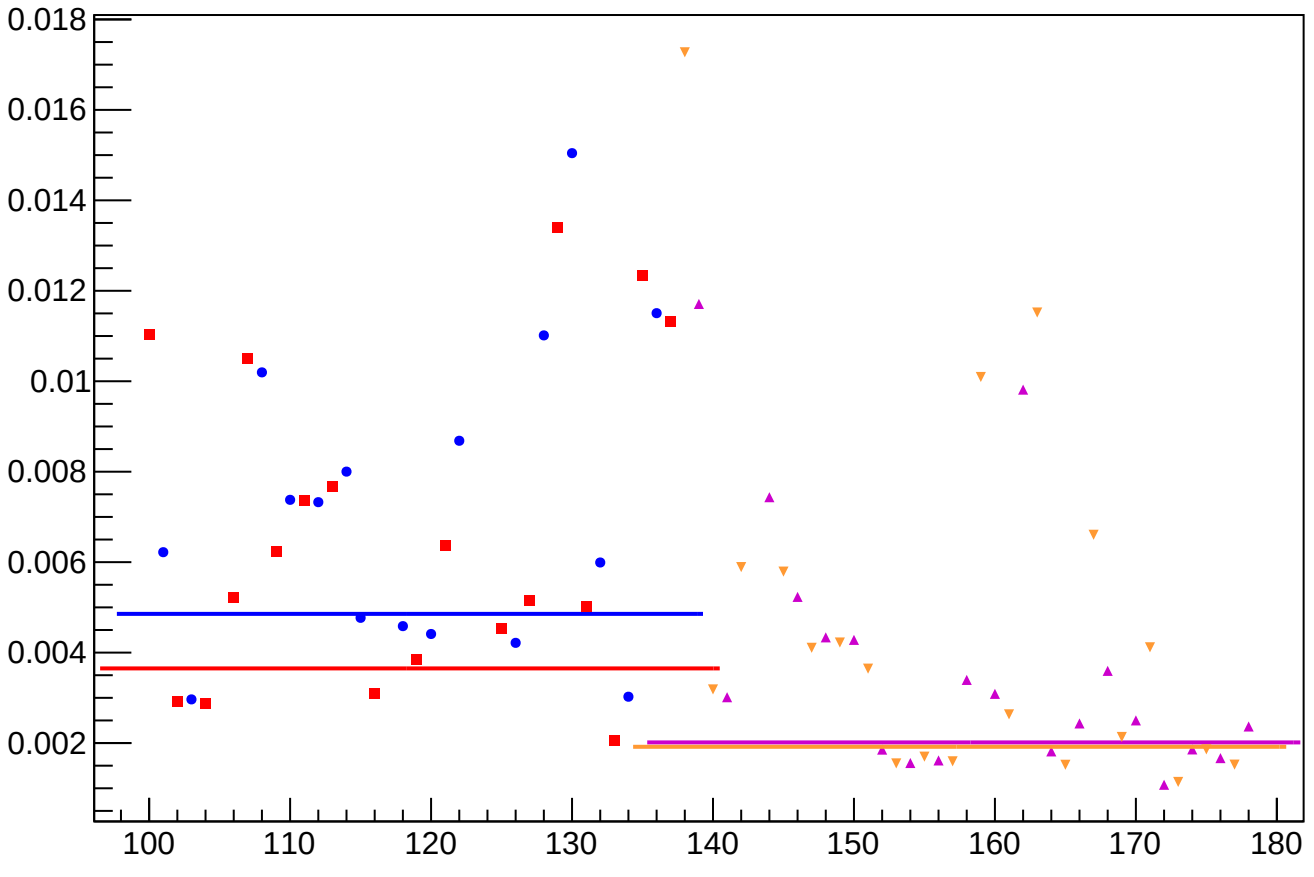
Left: 0.000+/-0.000 χ^2/NDF: 47.3/39

Right: 0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:47.0/35

Out: -0.000+/-0.000 χ^2/NDF:42.8/37

All: 0.000+/-0.000 χ^2/NDF: 89.8/73



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:6200517.8/19

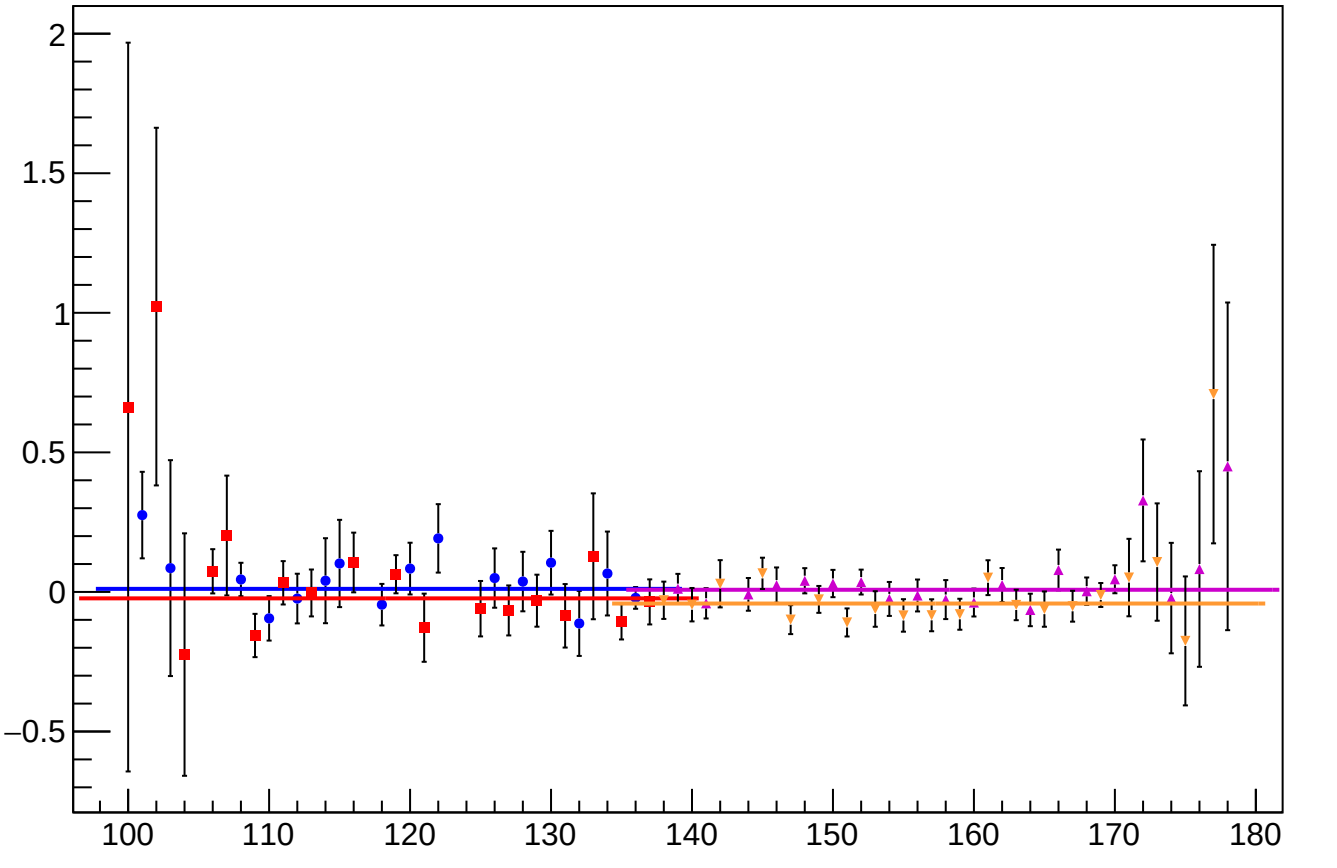
Left: 0.002+/-0.000 χ^2/NDF: 14627553.8/39

Right: 0.004+/-0.000 χ^2/NDF: 6282872.0/33

In: 0.002+/-0.000 χ^2/NDF:12370208.9/35

Out: 0.002+/-0.000 χ^2/NDF:13661644.3/37

All: 0.002+/-0.000 χ^2/NDF: 26078405.9/73



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:9.5/19

Left: -0.016+/-0.010 χ^2/NDF: 31.3/39

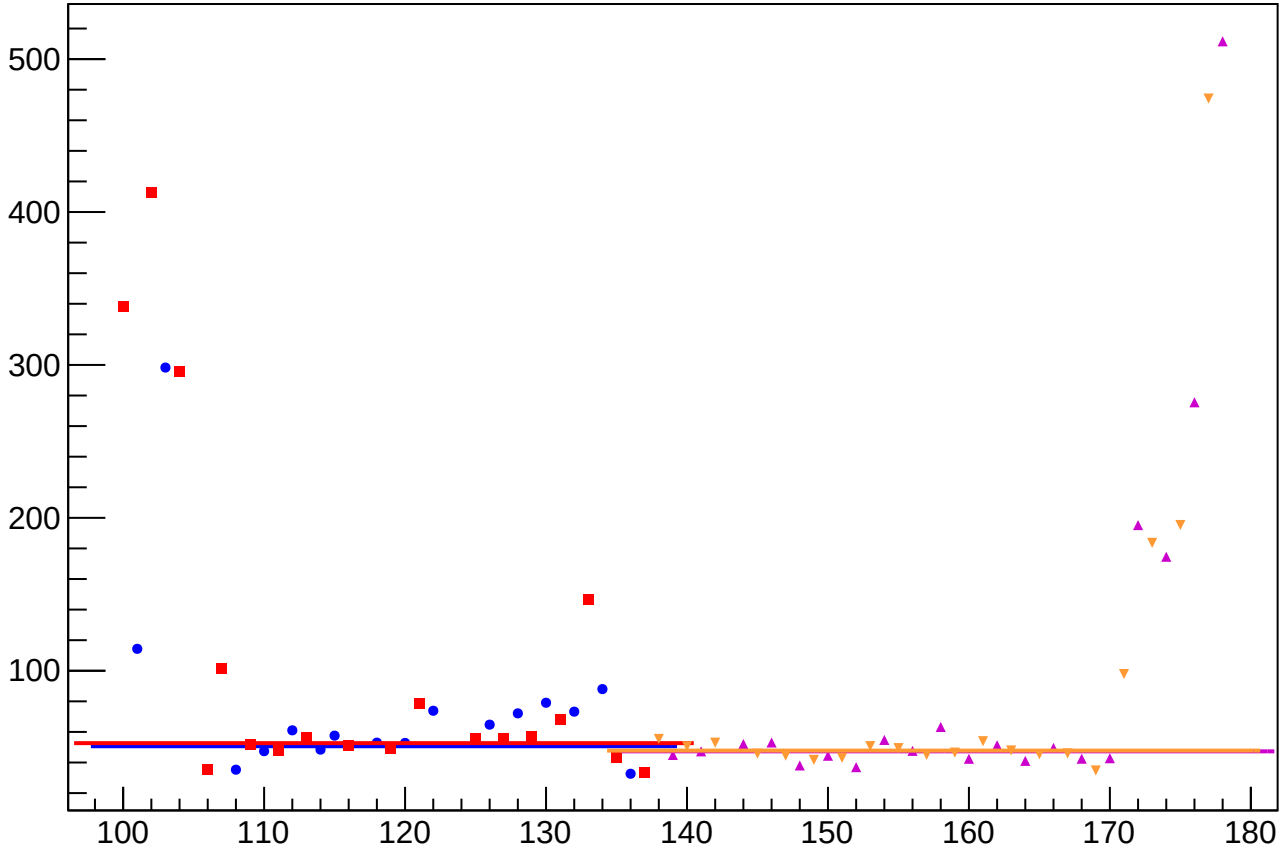
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.009+/-0.012 χ^2/NDF:21.2/35

Out: -0.037+/-0.012 χ^2/NDF:31.8/37

All: -0.013+/-0.008 χ^2/NDF: 60.4/73

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: 47.301+/-0.010 χ^2/NDF:4300659.7/19

Left: 47.540+/-0.007 χ^2/NDF: 7802664.2/39

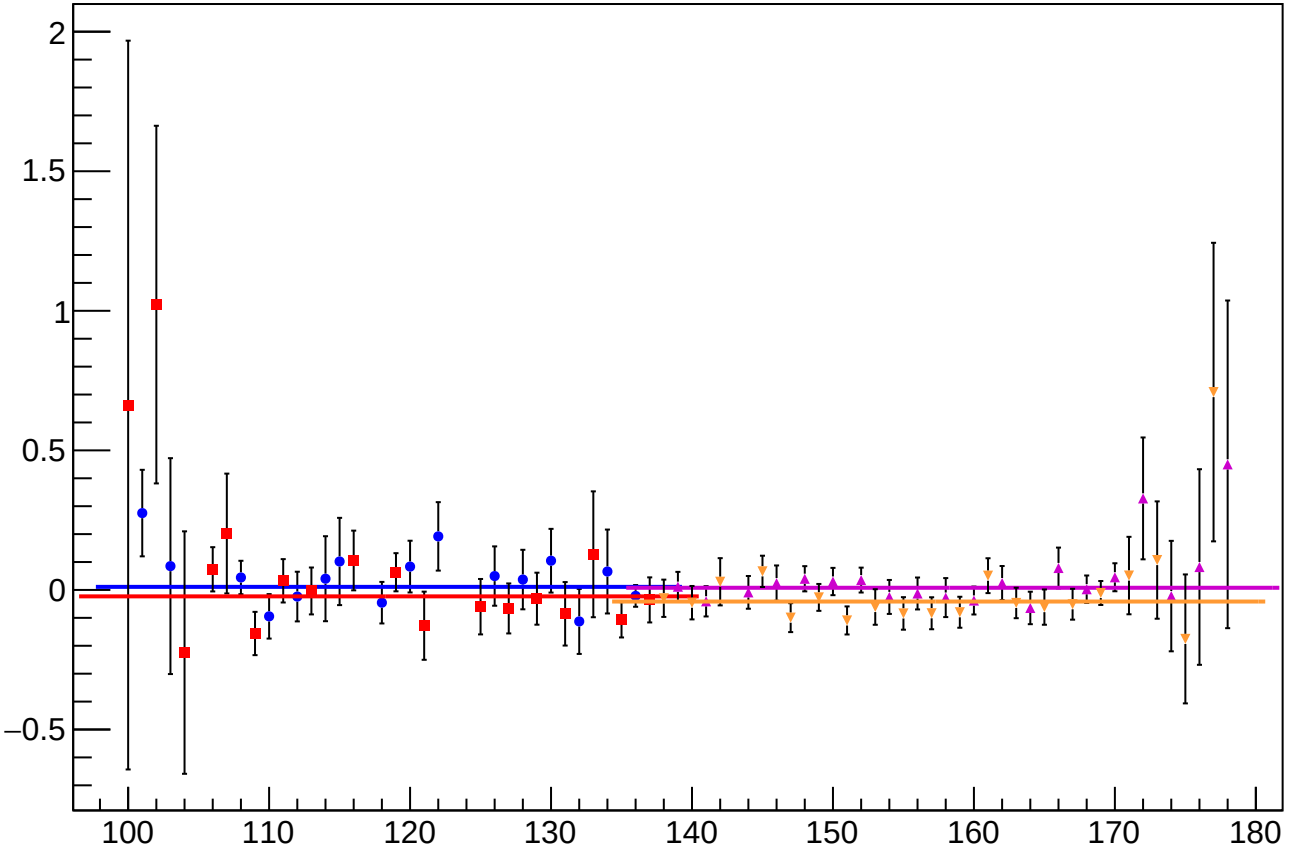
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 48.229+/-0.008 χ^2/NDF:6600800.1/35

Out: 49.094+/-0.008 χ^2/NDF:5777734.8/37

All: 48.646+/-0.006 χ^2/NDF: 12383976.6/73

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:9.5/19

Left: -0.016+/-0.010 χ^2/NDF: 31.3/39

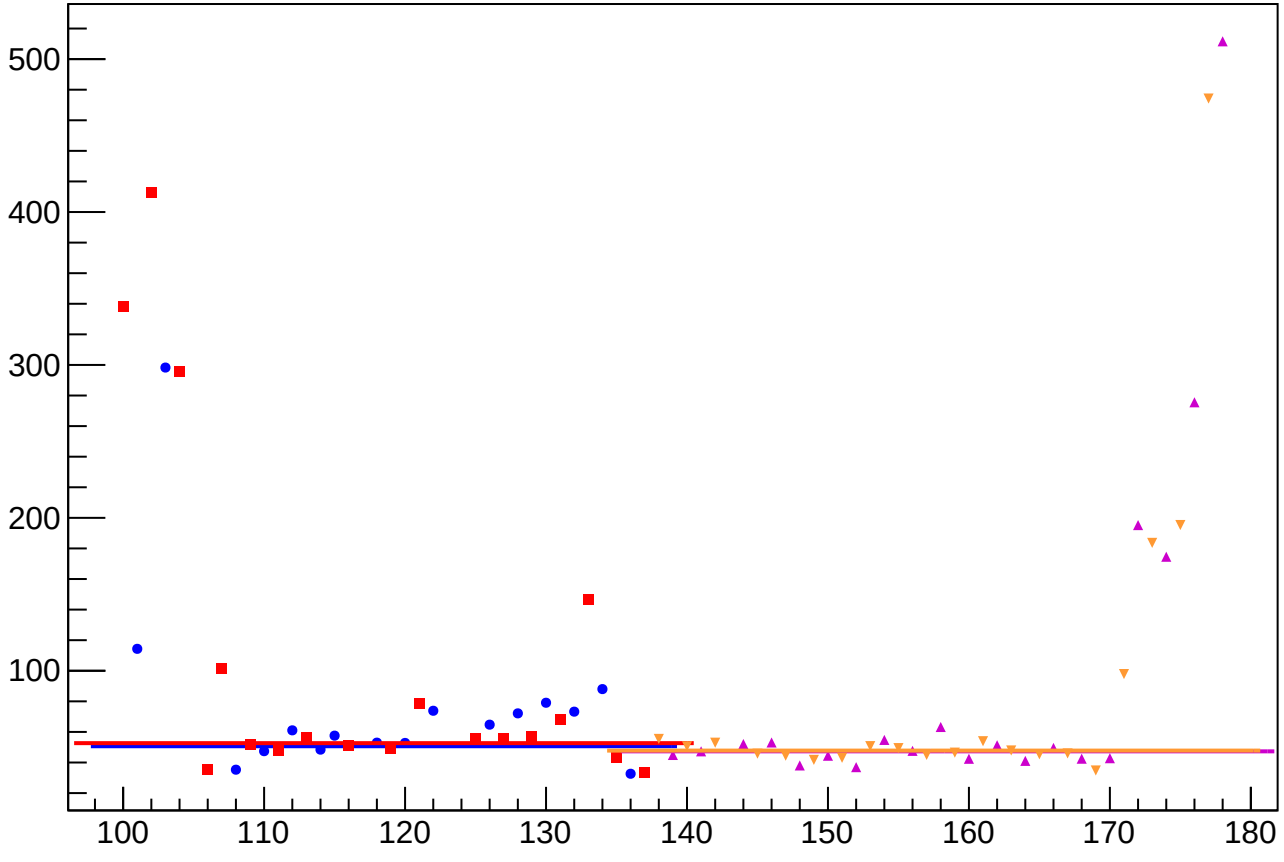
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.009+/-0.012 χ^2/NDF:21.2/35

Out: -0.037+/-0.012 χ^2/NDF:31.8/37

All: -0.013+/-0.008 χ^2/NDF: 60.4/73

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: 47.301+/-0.010 χ^2/NDF:4300659.7/19

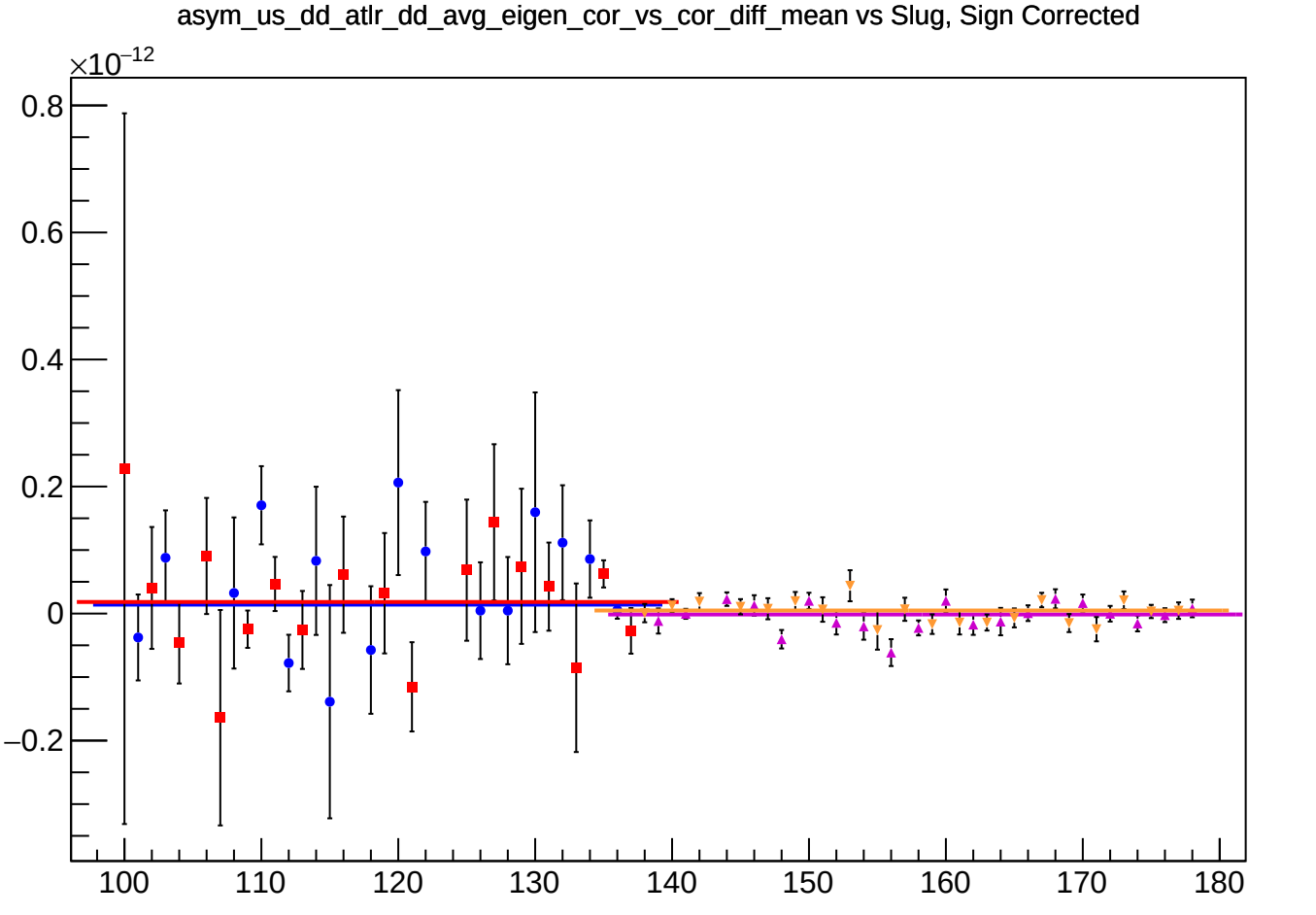
Left: 47.540+/-0.007 χ^2/NDF: 7802664.2/39

Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 48.229+/-0.008 χ^2/NDF:6600800.1/35

Out: 49.094+/-0.008 χ^2/NDF:5777734.8/37

All: 48.646+/-0.006 χ^2/NDF: 12383976.6/73



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.2/19

Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: -0.000+/-0.000 χ^2/NDF:37.8/19

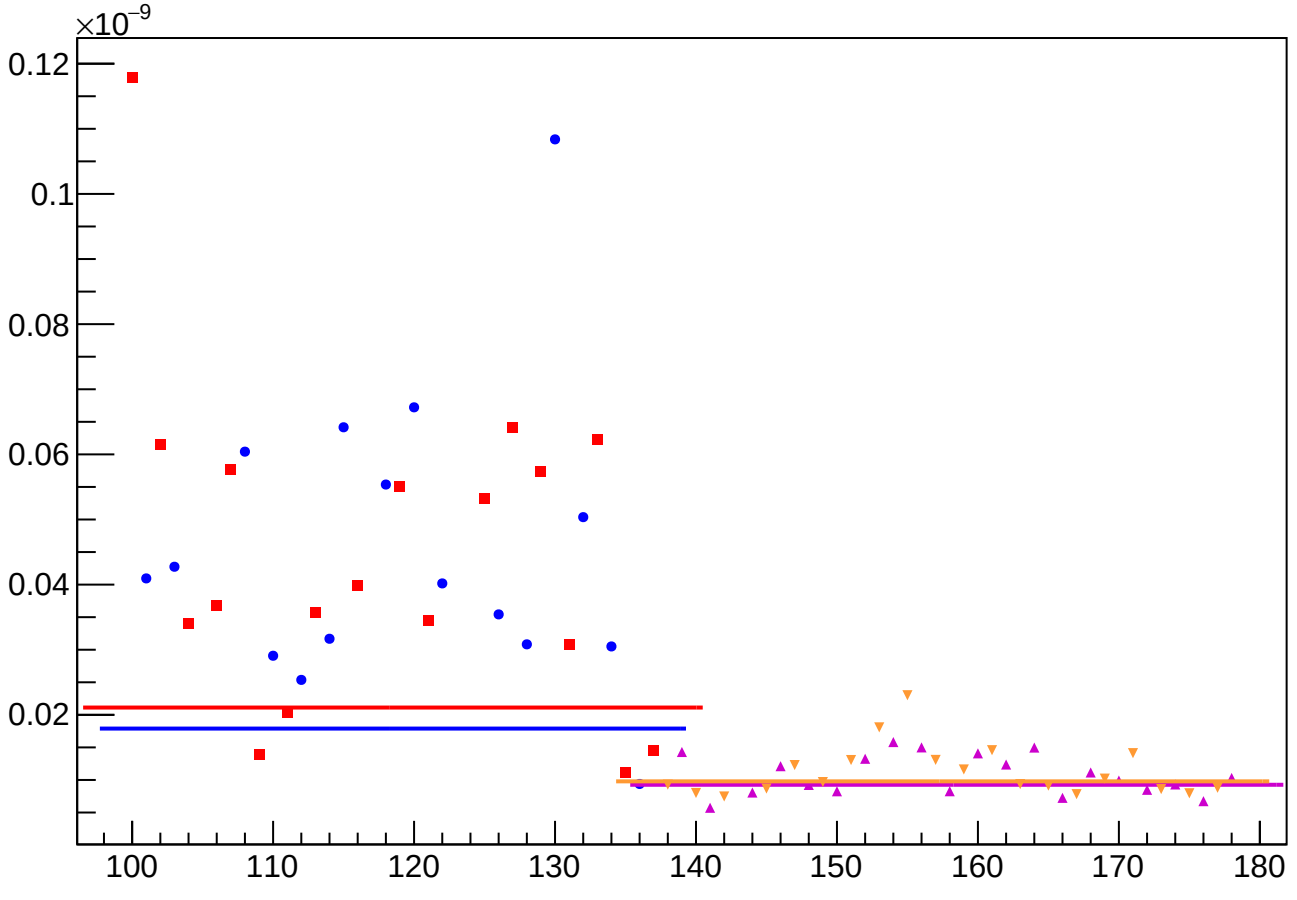
Left: 0.000+/-0.000 χ^2/NDF: 60.0/39

Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: -0.000+/-0.000 χ^2/NDF:59.9/35

Out: 0.000+/-0.000 χ^2/NDF:39.3/37

All: 0.000+/-0.000 χ^2/NDF: 101.2/73



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:1662137.9/19

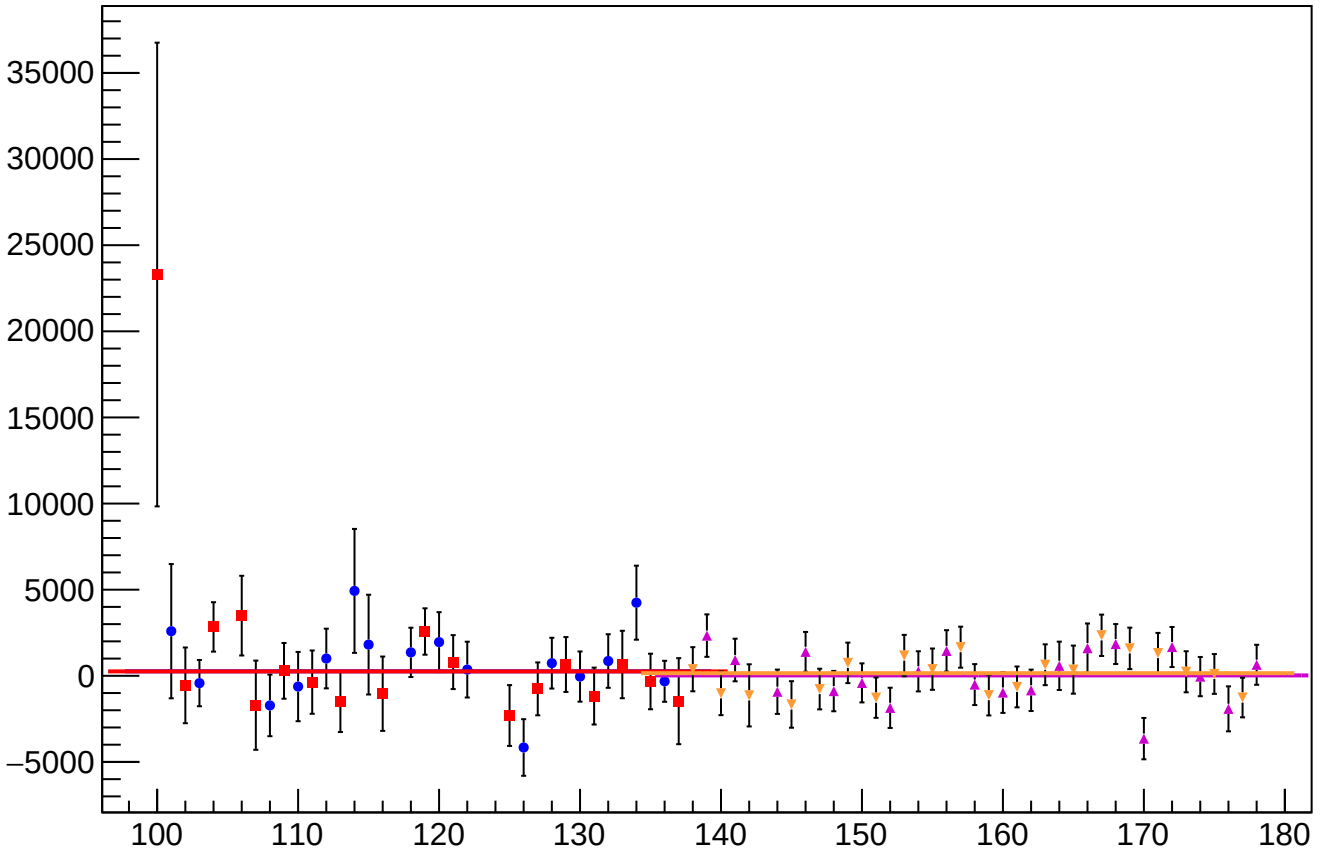
Left: 0.000+/-0.000 χ^2/NDF: 3013779.1/39

Right: 0.000+/-0.000 χ^2/NDF: 6093228.6/33

In: 0.000+/-0.000 χ^2/NDF:6145289.7/35

Out: 0.000+/-0.000 χ^2/NDF:5479895.2/37

All: 0.000+/-0.000 χ^2/NDF: 11671017.2/73



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: 22.577+/-270.011 χ^2/NDF:29.9/19

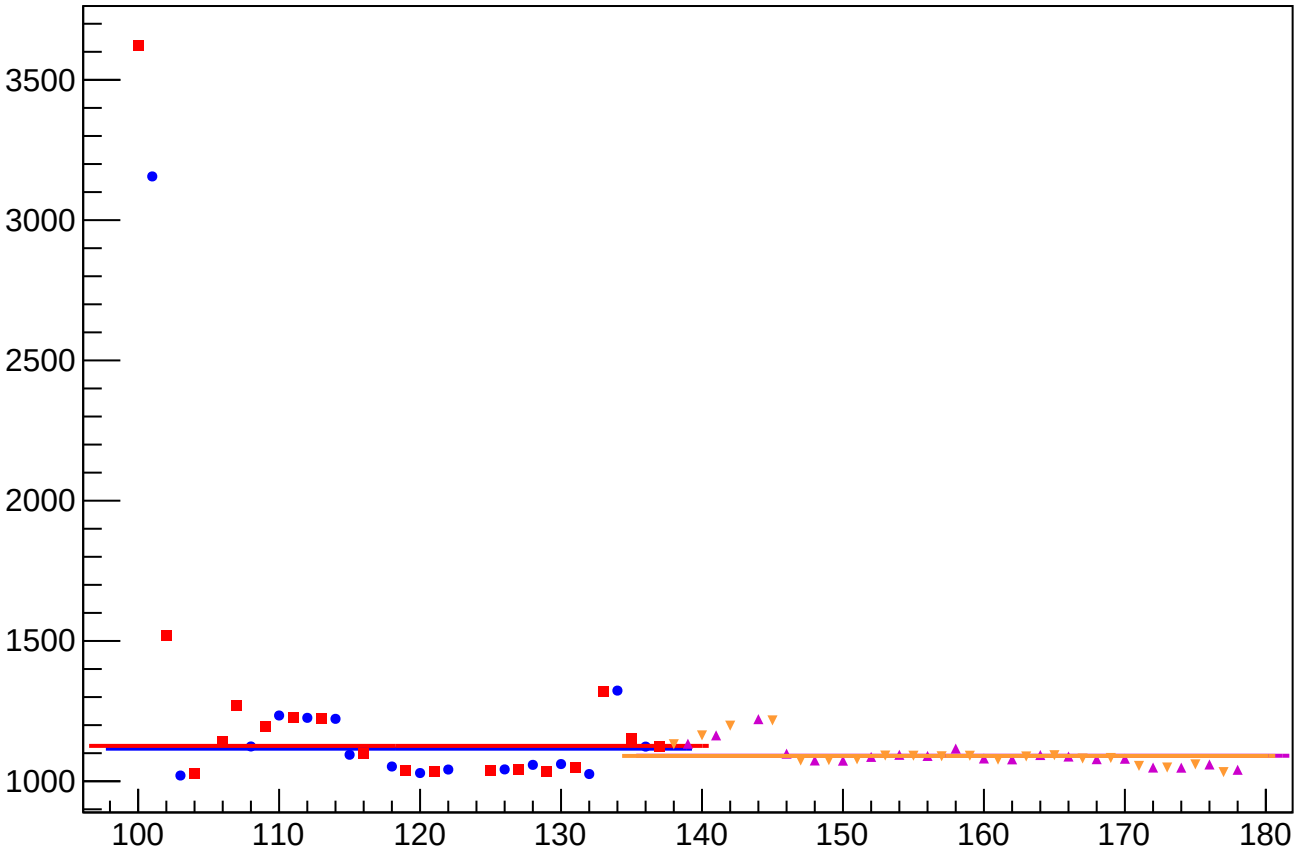
Left: 86.186+/-192.293 χ^2/NDF: 47.0/39

Right: 258.372+/-300.676 χ^2/NDF: 34.3/33

In: 91.159+/-227.853 χ^2/NDF:47.0/35

Out: 182.176+/-230.365 χ^2/NDF:34.4/37

All: 136.168+/-161.997 χ^2/NDF: 81.6/73



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: 1090.887+/-0.191 χ^2/NDF:42787.0/19

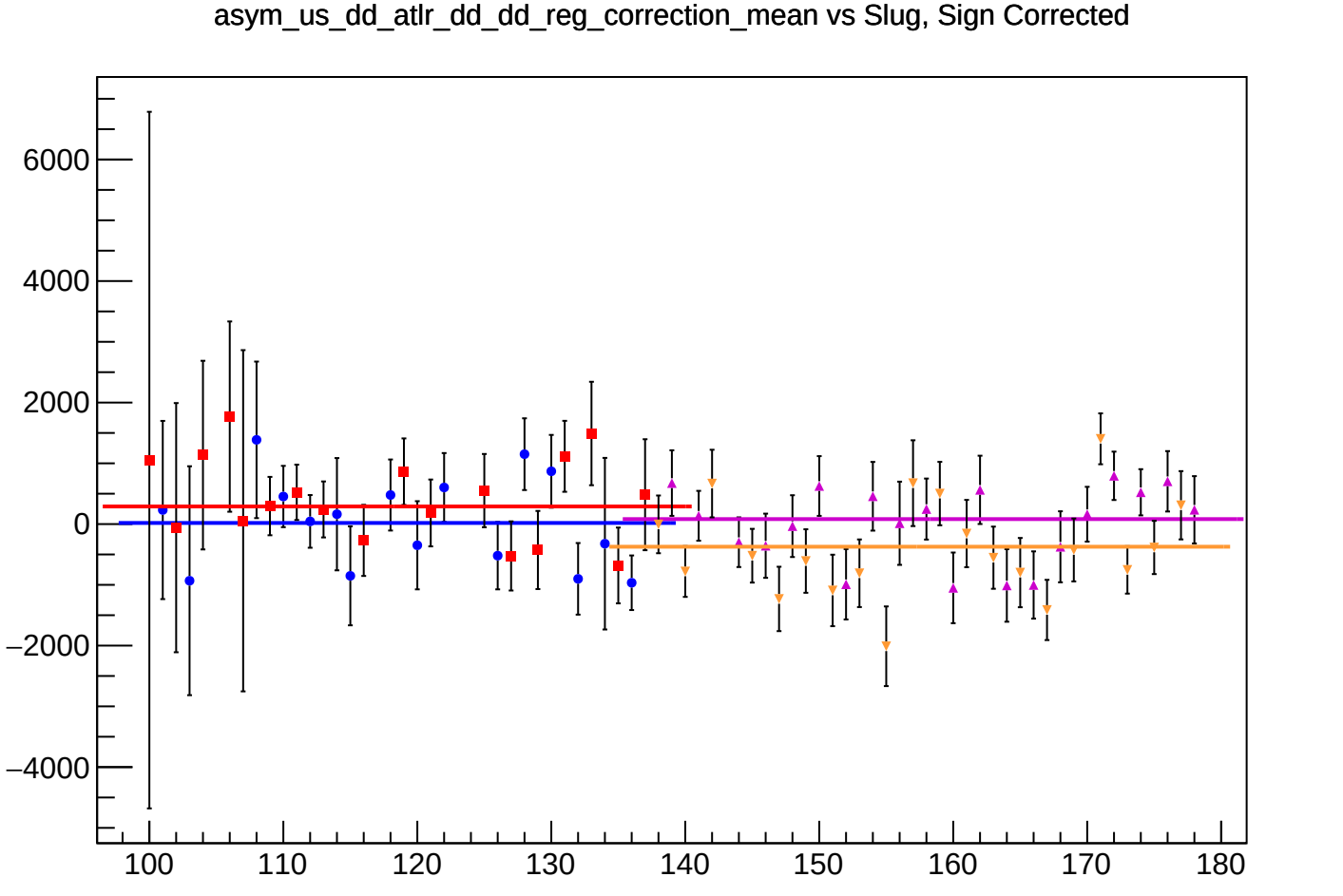
Left: 1090.566+/-0.136 χ^2/NDF: 88330.1/39

Right: 1121.039+/-0.213 χ^2/NDF: 846041.8/33

In: 1098.142+/-0.161 χ^2/NDF:671194.2/35

Out: 1100.710+/-0.163 χ^2/NDF:277631.7/37

All: 1099.412+/-0.115 χ^2/NDF: 948951.5/73



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: 82.083+/-111.983 χ^2/NDF:26.6/19

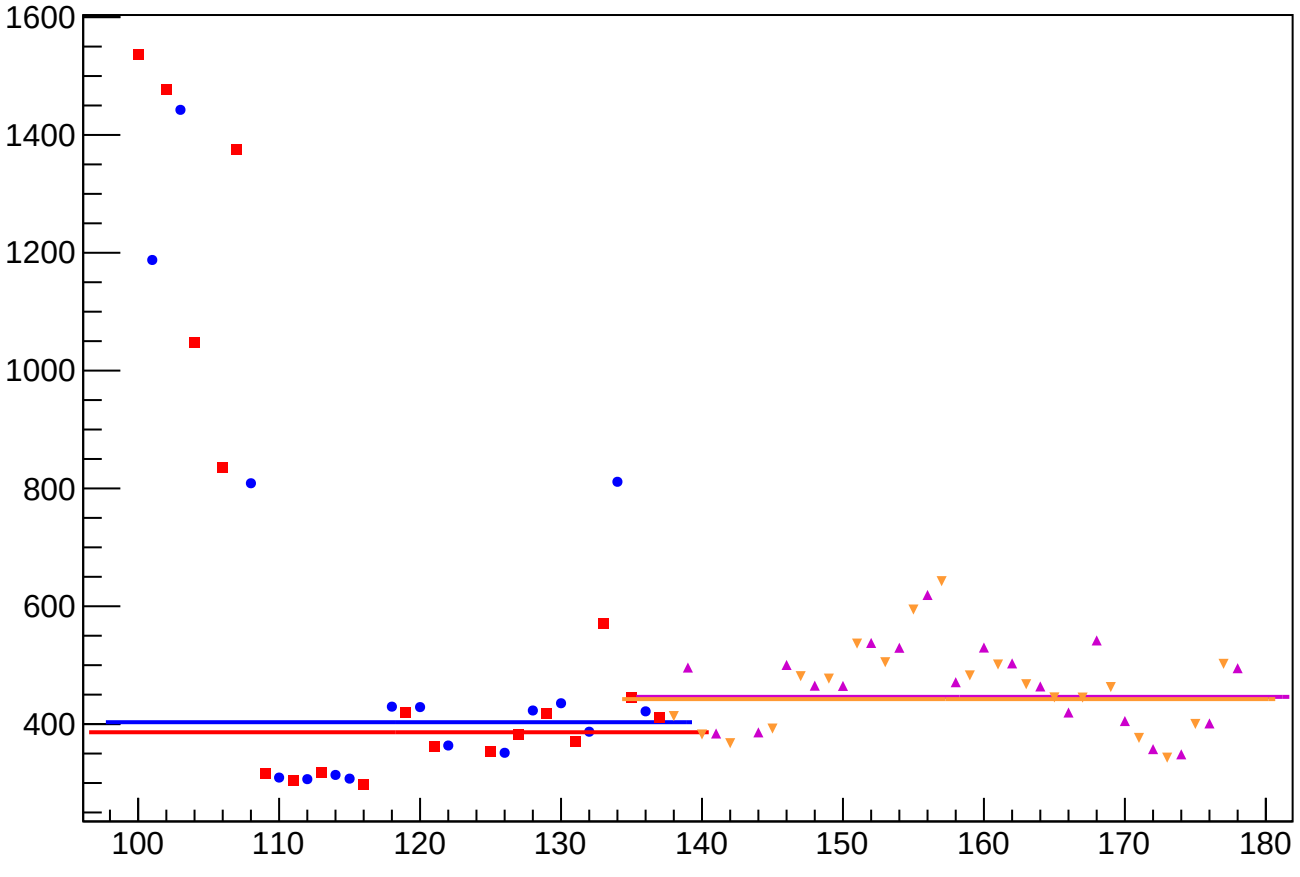
Left: -143.408+/-79.508 χ^2/NDF: 81.8/39

Right: 158.523+/-112.184 χ^2/NDF: 34.1/33

In: 61.382+/-91.976 χ^2/NDF:45.9/35

Out: -145.228+/-91.502 χ^2/NDF:72.3/37

All: -42.457+/-64.869 χ^2/NDF: 120.8/73



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: 446.205+/-0.079 χ^2/NDF:760456.7/19

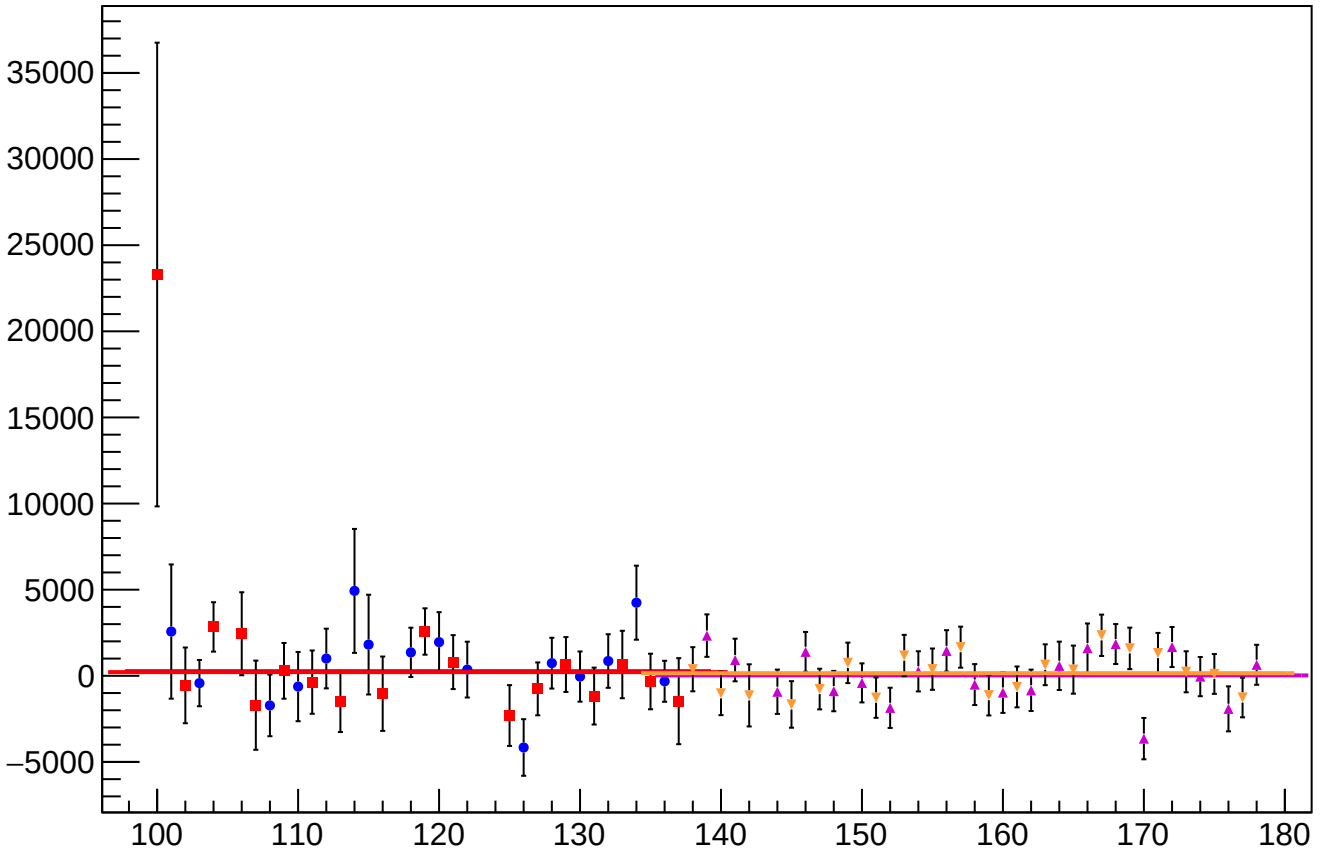
Left: 444.317+/-0.056 χ^2/NDF: 1499105.8/39

Right: 394.399+/-0.079 χ^2/NDF: 3579081.1/33

In: 432.209+/-0.065 χ^2/NDF:2664896.1/35

Out: 423.091+/-0.065 χ^2/NDF:2666993.5/37

All: 427.627+/-0.046 χ^2/NDF: 5341768.6/73



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: 22.578+/-270.011 χ^2/NDF:29.9/19

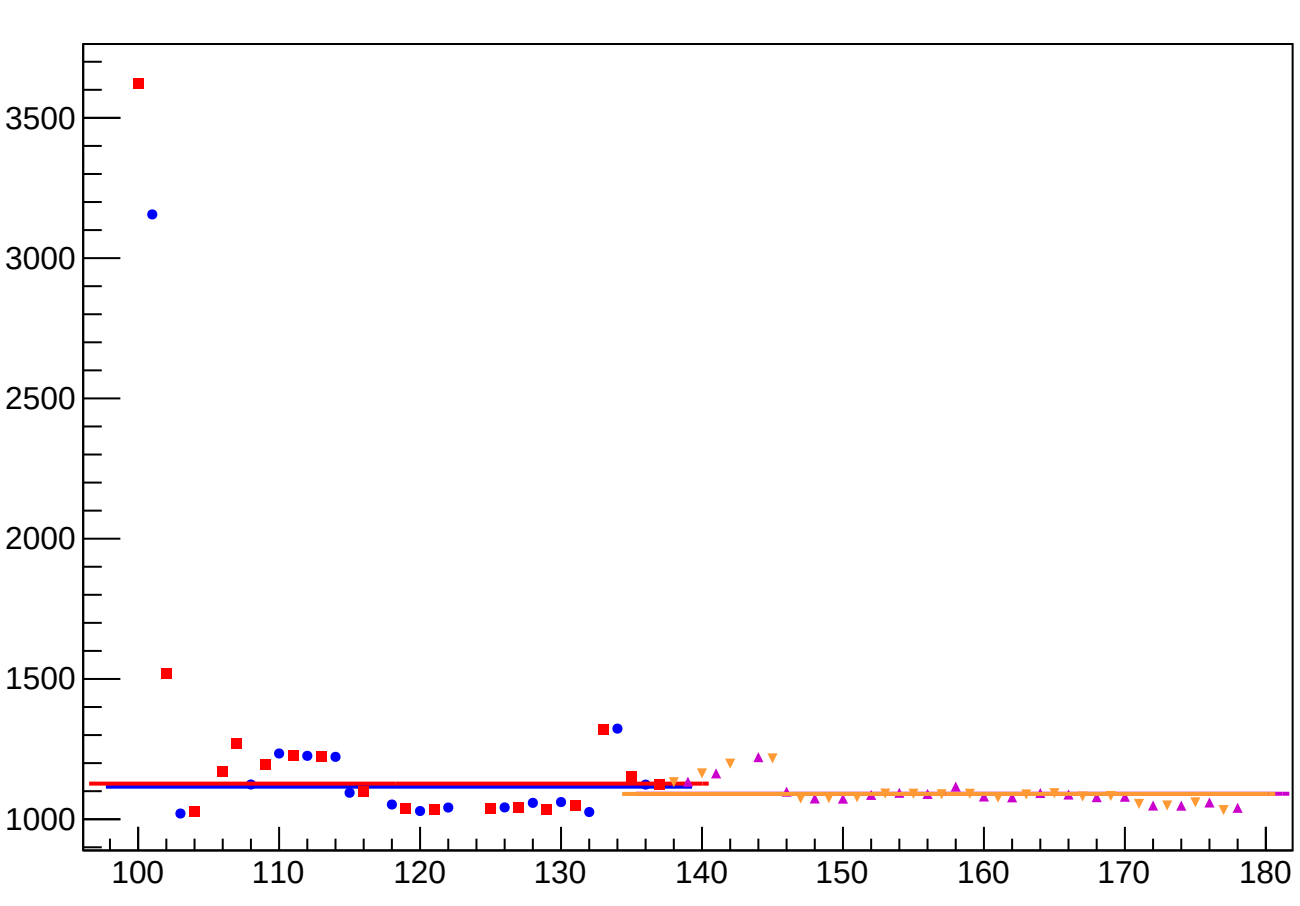
Left: 86.198+/-192.293 χ^2/NDF: 47.0/39

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 91.050+/-227.853 χ^2/NDF:47.0/35

Out: 170.030+/-230.453 χ^2/NDF:33.3/37

All: 130.092+/-162.028 χ^2/NDF: 80.4/73



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: 1090.887+/-0.191 χ^2/NDF:42787.0/19

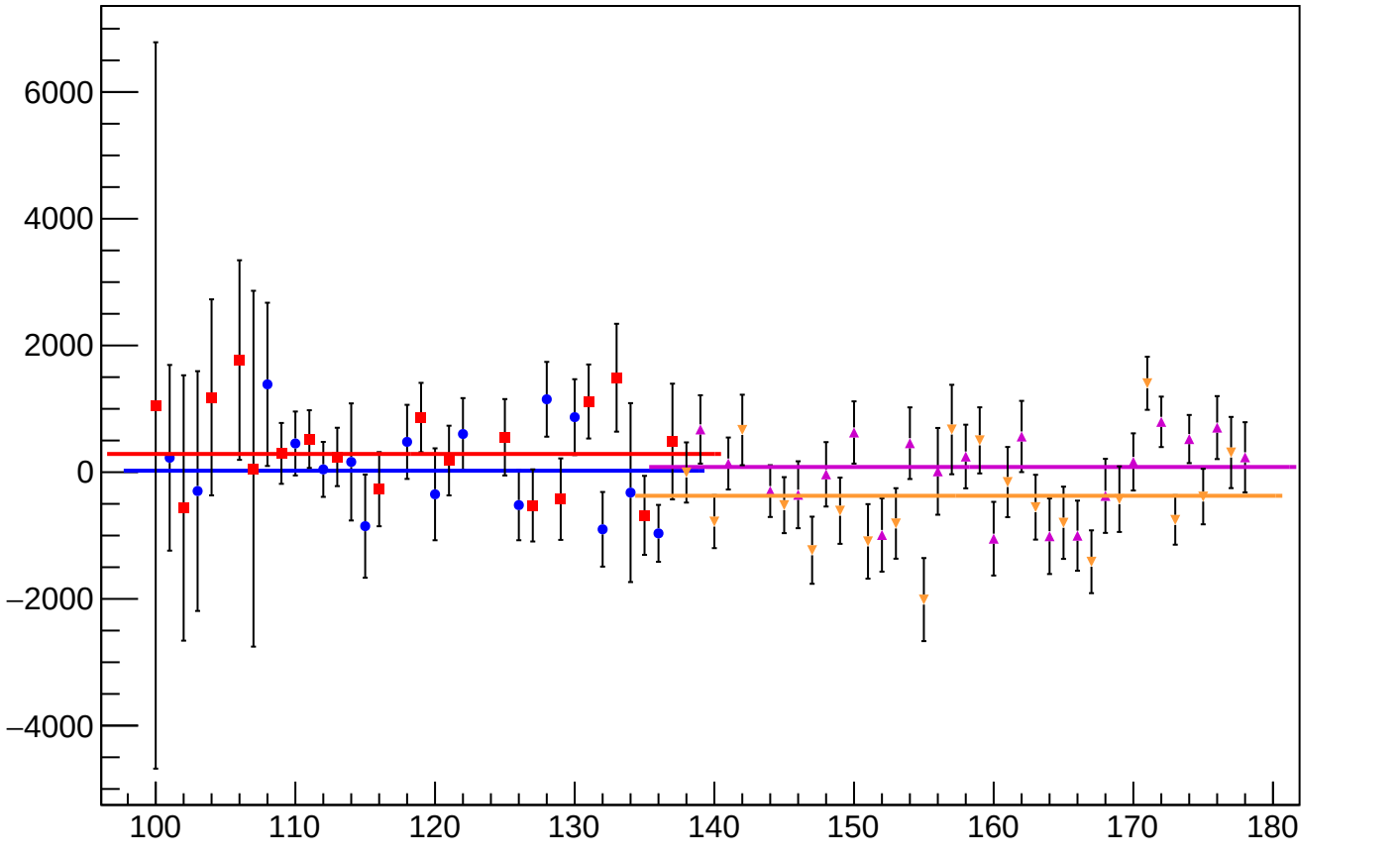
Left: 1090.566+/-0.136 χ^2/NDF: 88330.0/39

Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1098.142+/-0.161 χ^2/NDF:671195.1/35

Out: 1100.967+/-0.163 χ^2/NDF:278780.8/37

All: 1099.538+/-0.115 χ^2/NDF: 950127.9/73



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: 82.061+/-111.983 χ^2/NDF:26.6/19

Left: -143.432+/-79.508 χ^2/NDF: 81.8/39

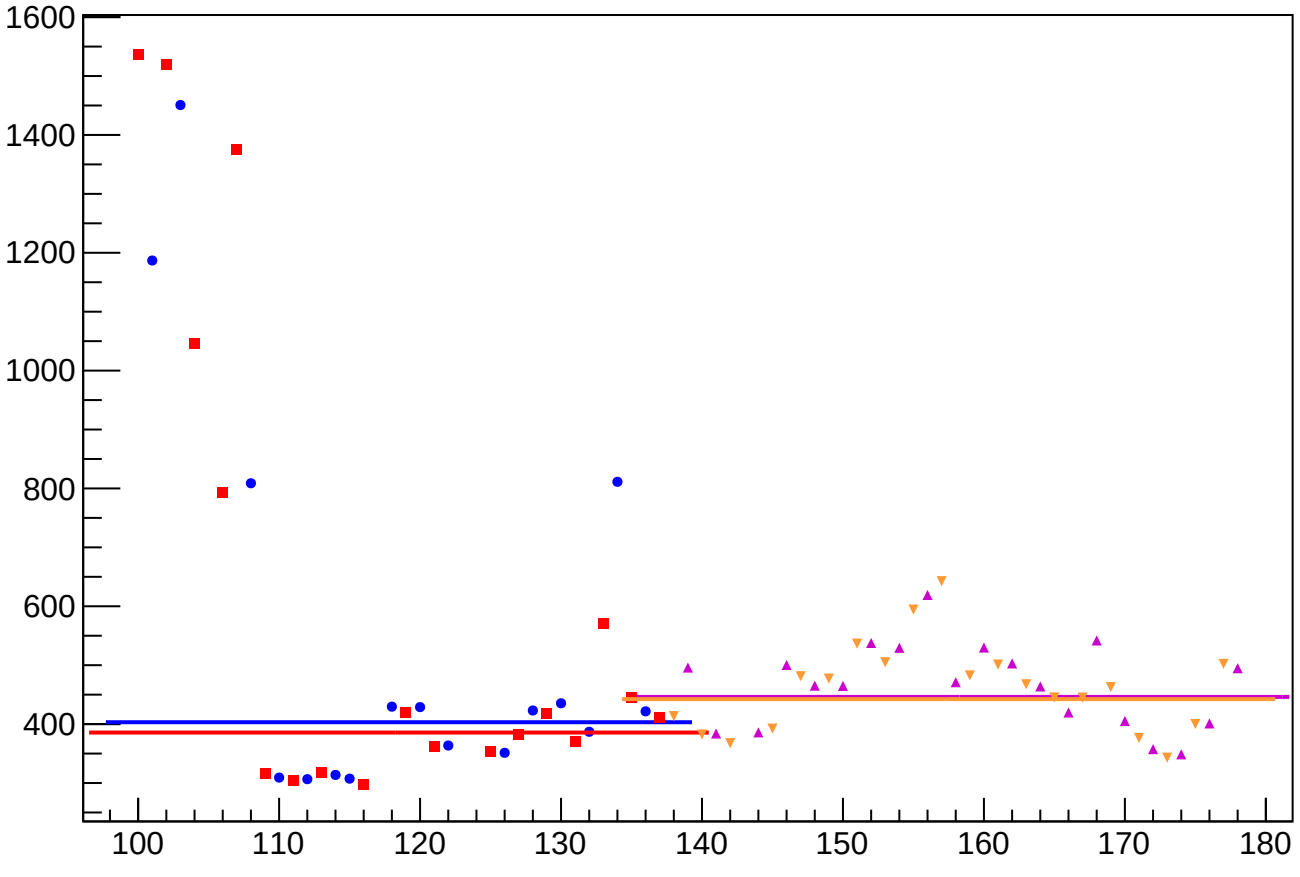
Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 62.817+/-91.976 χ^2/NDF:45.6/35

Out: -146.090+/-91.506 χ^2/NDF:72.4/37

All: -42.172+/-64.870 χ^2/NDF: 120.7/73

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 442.393+/-0.080 χ^2/NDF:737583.8/19

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 446.206+/-0.079 χ^2/NDF:760332.6/19

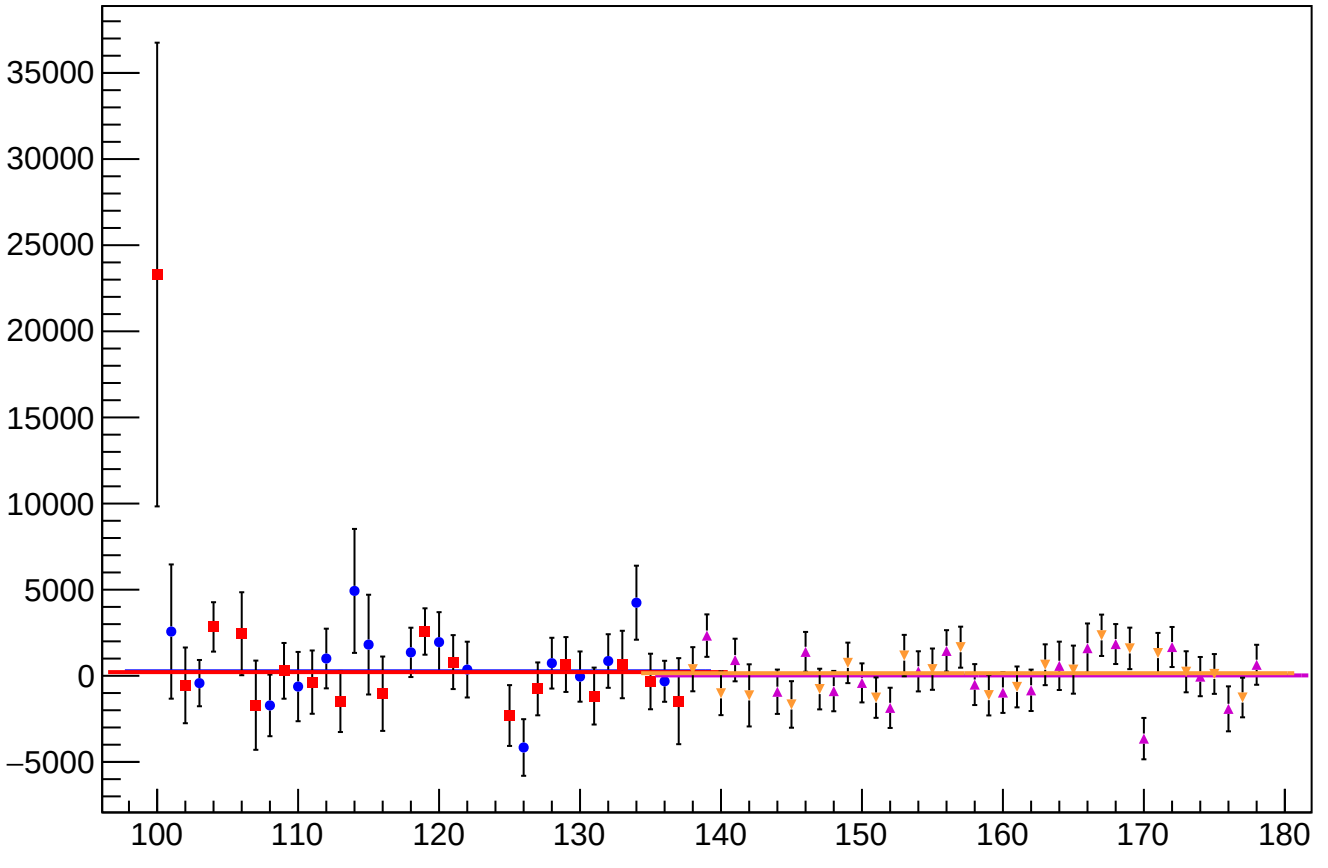
Left: 444.315+/-0.056 χ^2/NDF: 1499066.2/39

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 432.206+/-0.065 χ^2/NDF:2668507.8/35

Out: 422.933+/-0.065 χ^2/NDF:2657885.0/37

All: 427.546+/-0.046 χ^2/NDF: 5336609.3/73



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: 22.578+/-270.011 χ^2/NDF:29.9/19

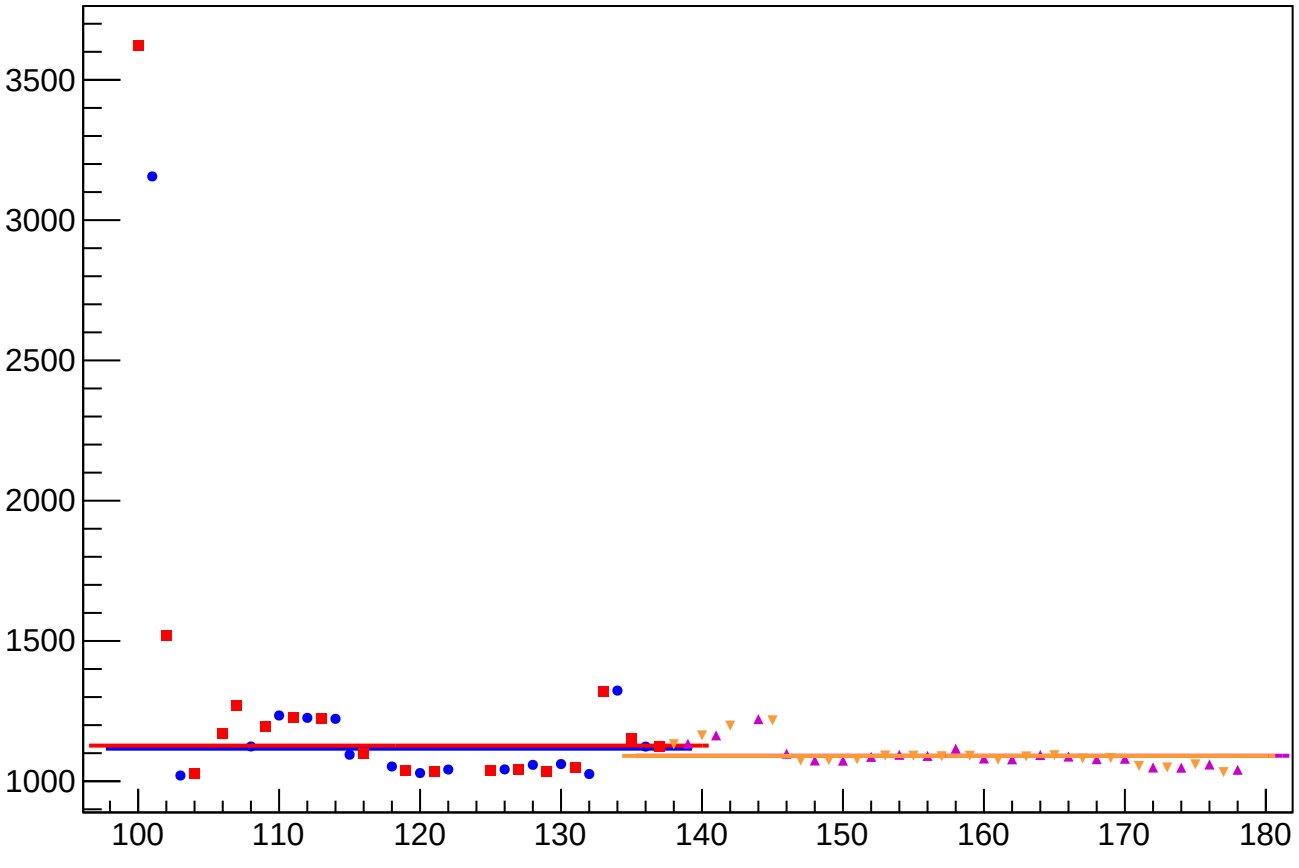
Left: 86.198+/-192.293 χ^2/NDF: 47.0/39

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 91.050+/-227.853 χ^2/NDF:47.0/35

Out: 170.030+/-230.453 χ^2/NDF:33.3/37

All: 130.092+/-162.028 χ^2/NDF: 80.4/73



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: 1090.887+/-0.191 χ^2/NDF:42787.0/19

Left: 1090.566+/-0.136 χ^2/NDF: 88330.0/39

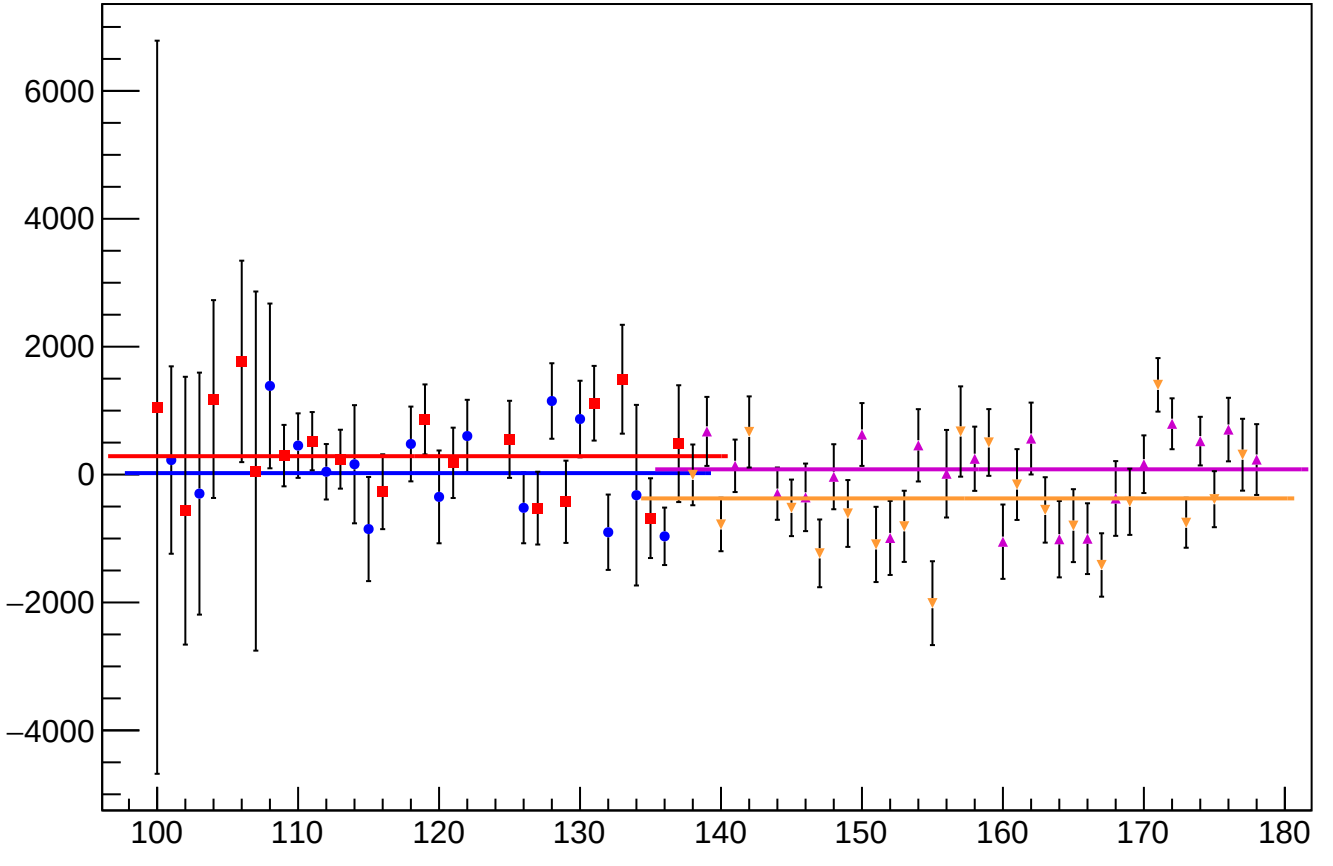
Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1098.142+/-0.161 χ^2/NDF:671195.1/35

Out: 1100.967+/-0.163 χ^2/NDF:278780.8/37

All: 1099.538+/-0.115 χ^2/NDF: 950127.9/73

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: 82.061+/-111.983 χ^2/NDF:26.6/19

Left: -143.432+/-79.508 χ^2/NDF: 81.8/39

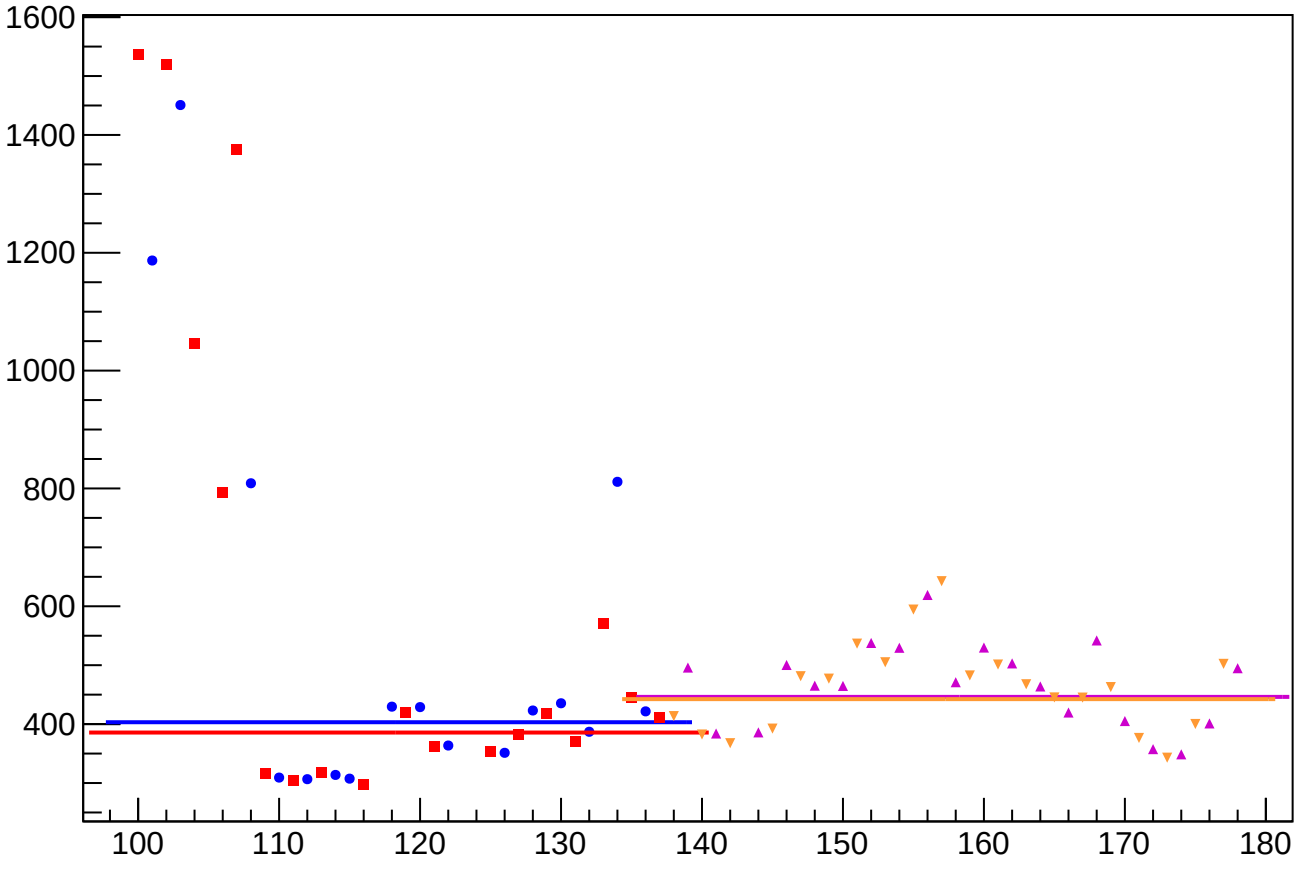
Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 62.817+/-91.976 χ^2/NDF:45.6/35

Out: -146.090+/-91.506 χ^2/NDF:72.4/37

All: -42.172+/-64.870 χ^2/NDF: 120.7/73

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: 446.206+/-0.079 χ^2/NDF:760332.6/19

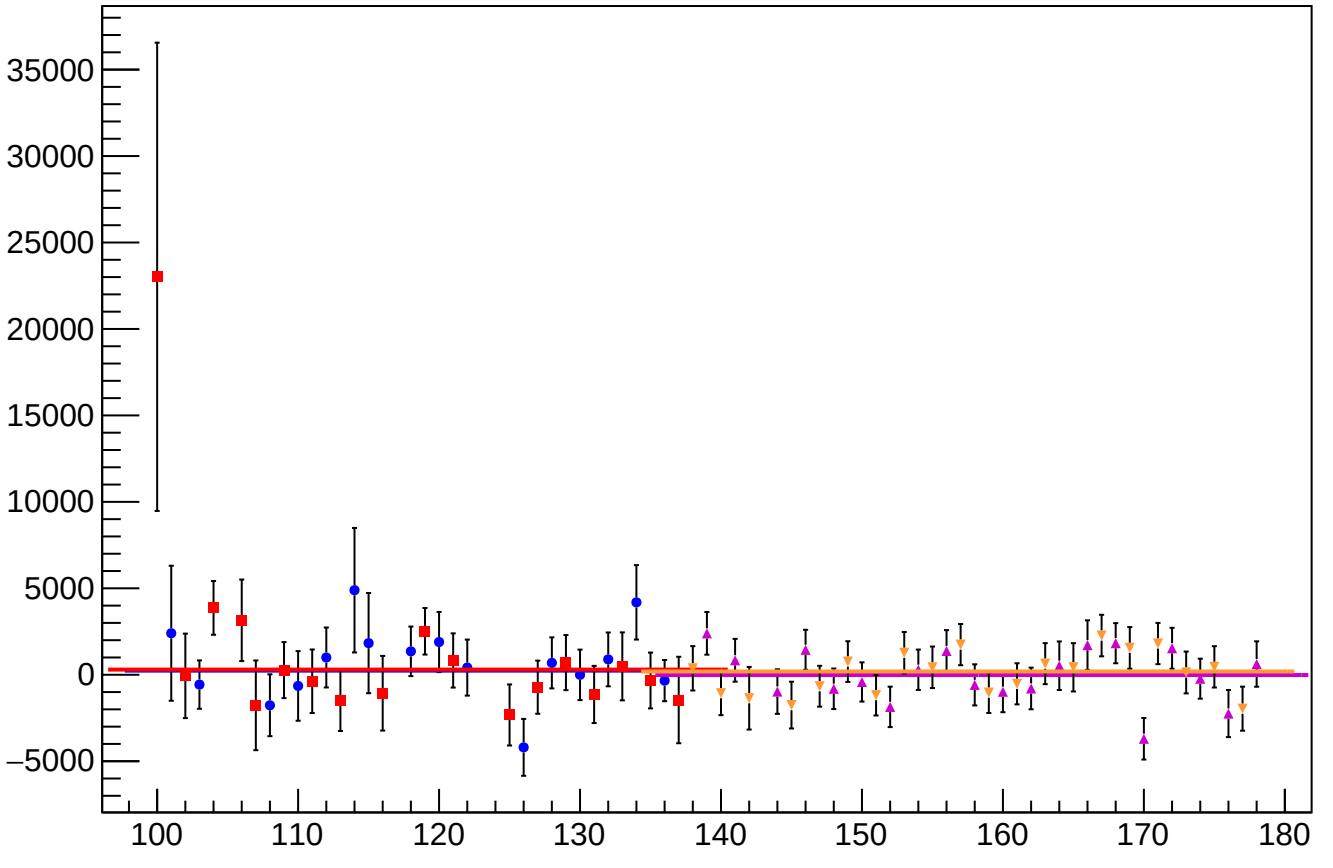
Left: 444.315+/-0.056 χ^2/NDF: 1499066.2/39

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 432.206+/-0.065 χ^2/NDF:2668507.8/35

Out: 422.933+/-0.065 χ^2/NDF:2657885.0/37

All: 427.546+/-0.046 χ^2/NDF: 5336609.3/73



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: -13.746+/-272.834 χ^2/NDF:30.4/19

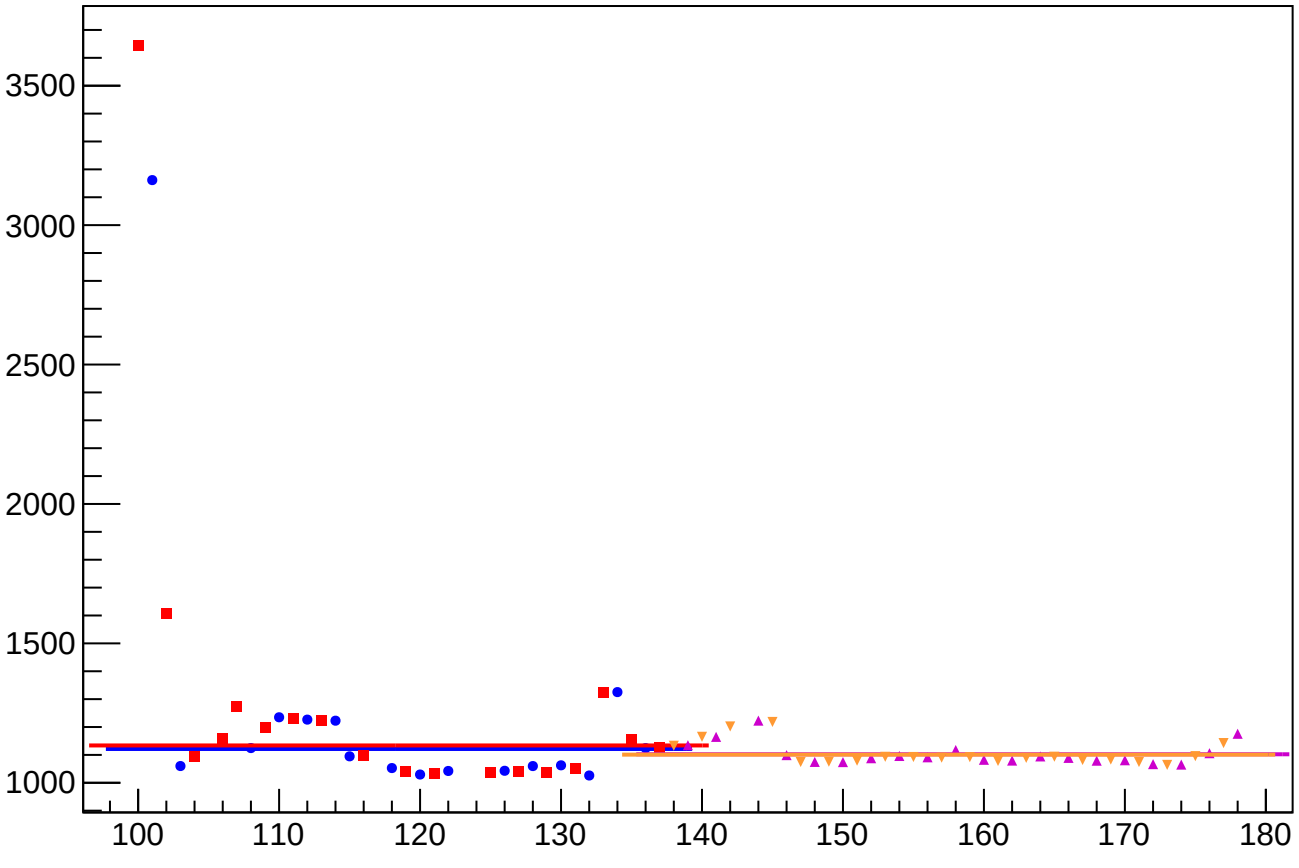
Left: 87.024+/-194.239 χ^2/NDF: 49.8/39

Right: 269.591+/-303.111 χ^2/NDF: 35.6/33

In: 60.156+/-229.846 χ^2/NDF:47.6/35

Out: 222.215+/-232.745 χ^2/NDF:37.8/37

All: 140.170+/-163.541 χ^2/NDF: 85.7/73



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: 1102.264+/-0.193 χ^2/NDF:40195.5/19

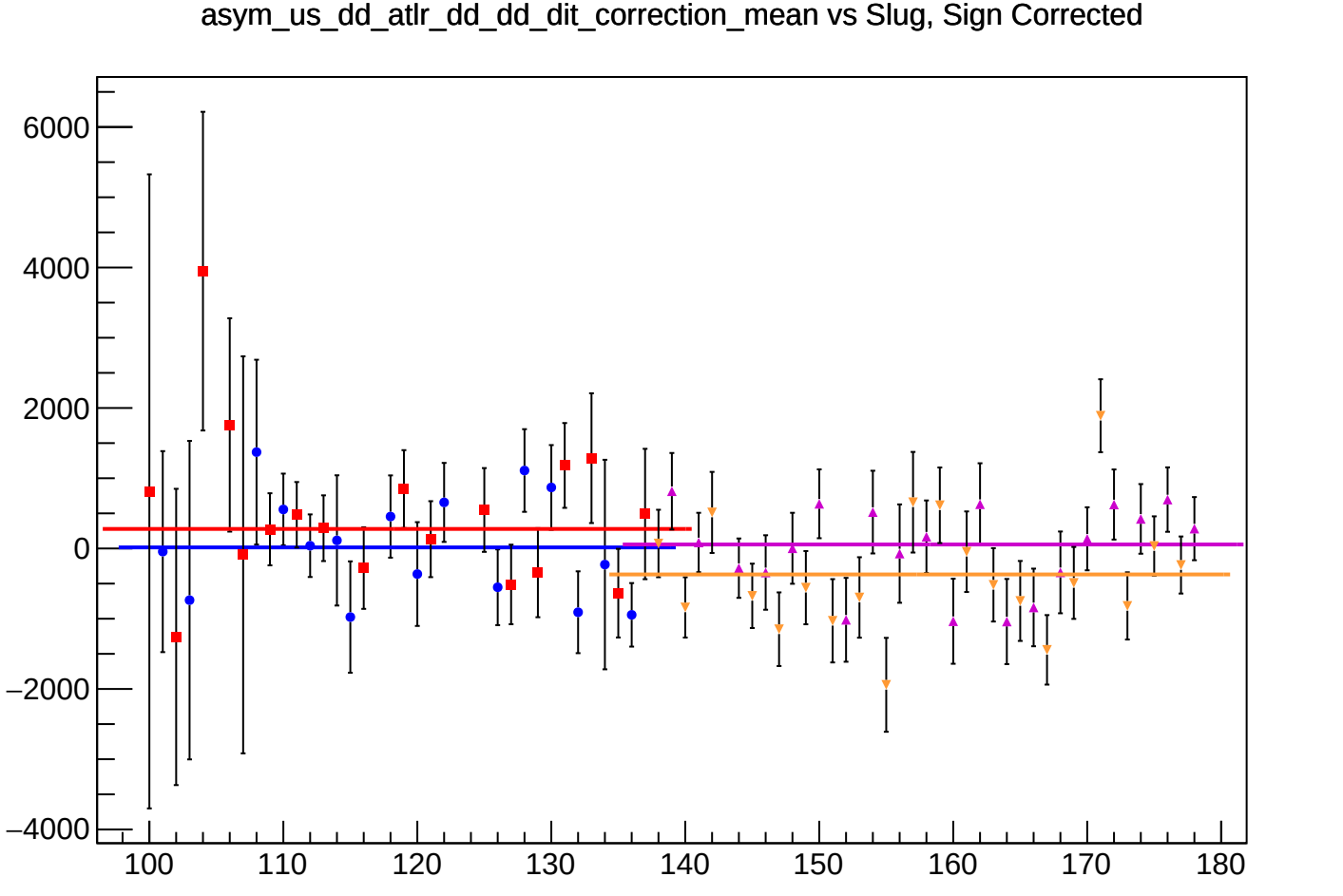
Left: 1101.629+/-0.137 χ^2/NDF: 77779.1/39

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1107.788+/-0.163 χ^2/NDF:660048.5/35

Out: 1110.597+/-0.165 χ^2/NDF:273305.6/37

All: 1109.175+/-0.116 χ^2/NDF: 933501.6/73



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: 57.087+/-115.420 χ^2/NDF:23.1/19

Left: -157.401+/-81.406 χ^2/NDF: 76.1/39

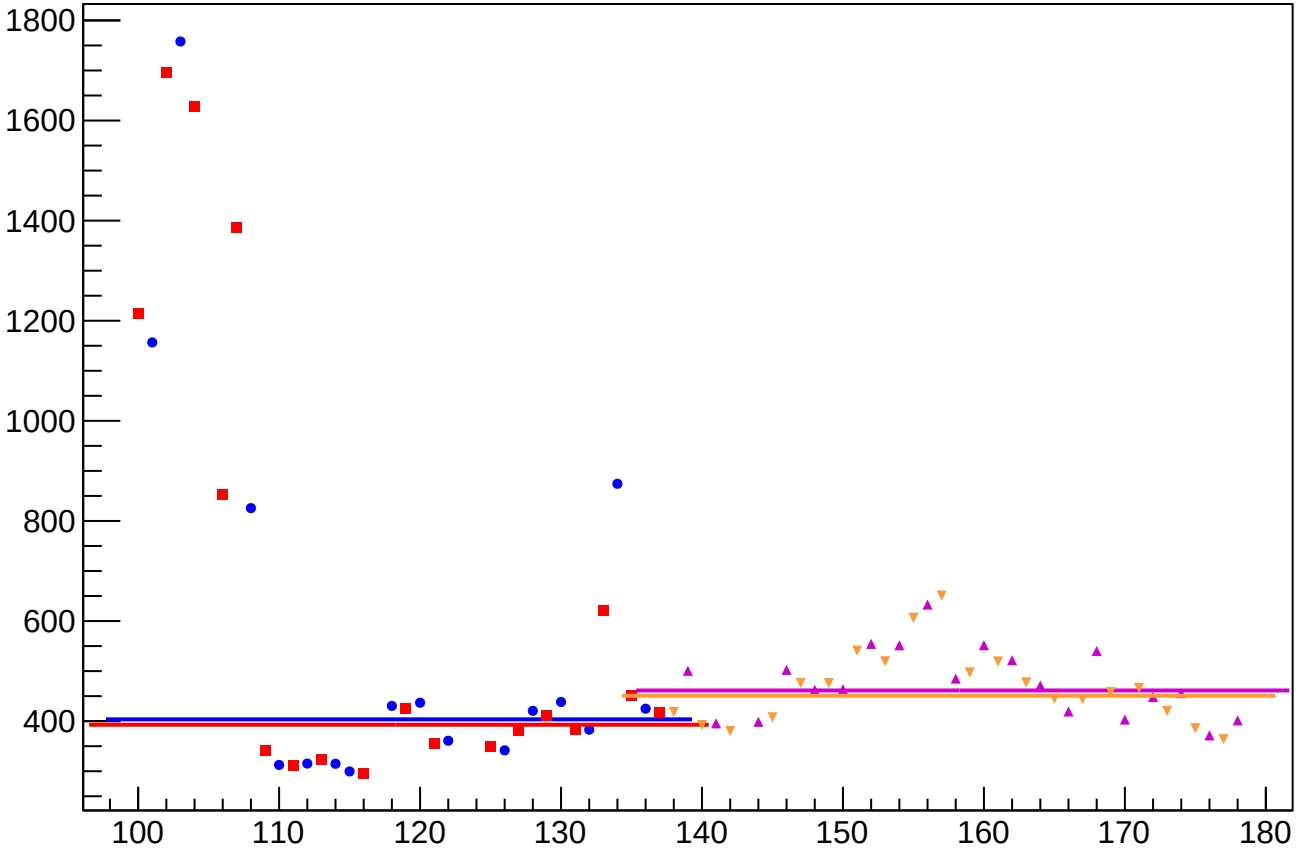
Right: 149.246+/-113.360 χ^2/NDF: 36.0/33

In: 42.997+/-93.971 χ^2/NDF:42.8/35

Out: -147.276+/-93.058 χ^2/NDF:72.1/37

All: -53.069+/-66.122 χ^2/NDF: 117.0/73

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: 461.302+/-0.082 χ^2/NDF:596716.7/19

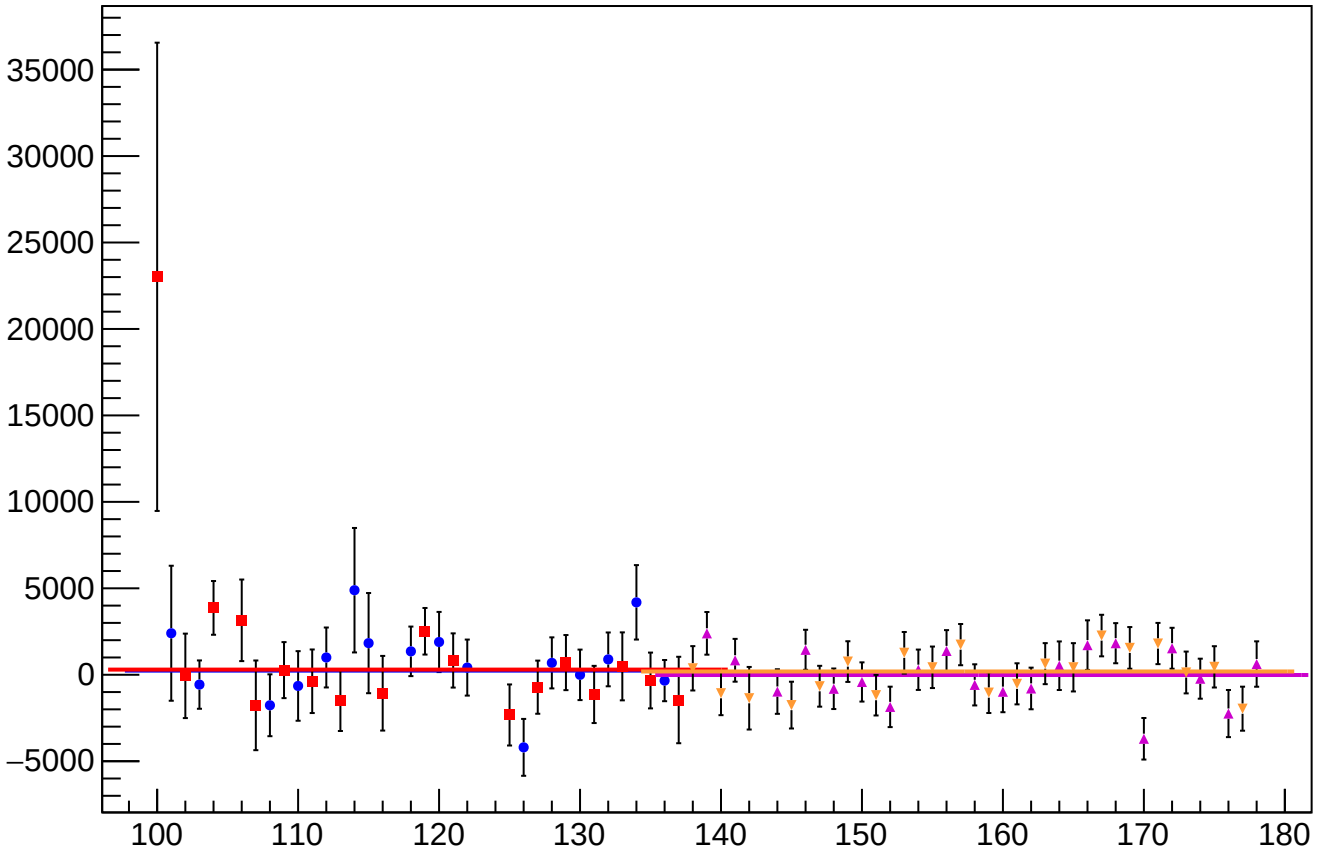
Left: 455.990+/-0.058 χ^2/NDF: 1245833.4/39

Right: 398.136+/-0.080 χ^2/NDF: 4137620.1/33

In: 441.868+/-0.066 χ^2/NDF:2694506.4/35

Out: 430.851+/-0.066 χ^2/NDF:3018751.0/37

All: 436.306+/-0.047 χ^2/NDF: 5727136.5/73



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: -13.745+/-272.834 χ^2/NDF:30.4/19

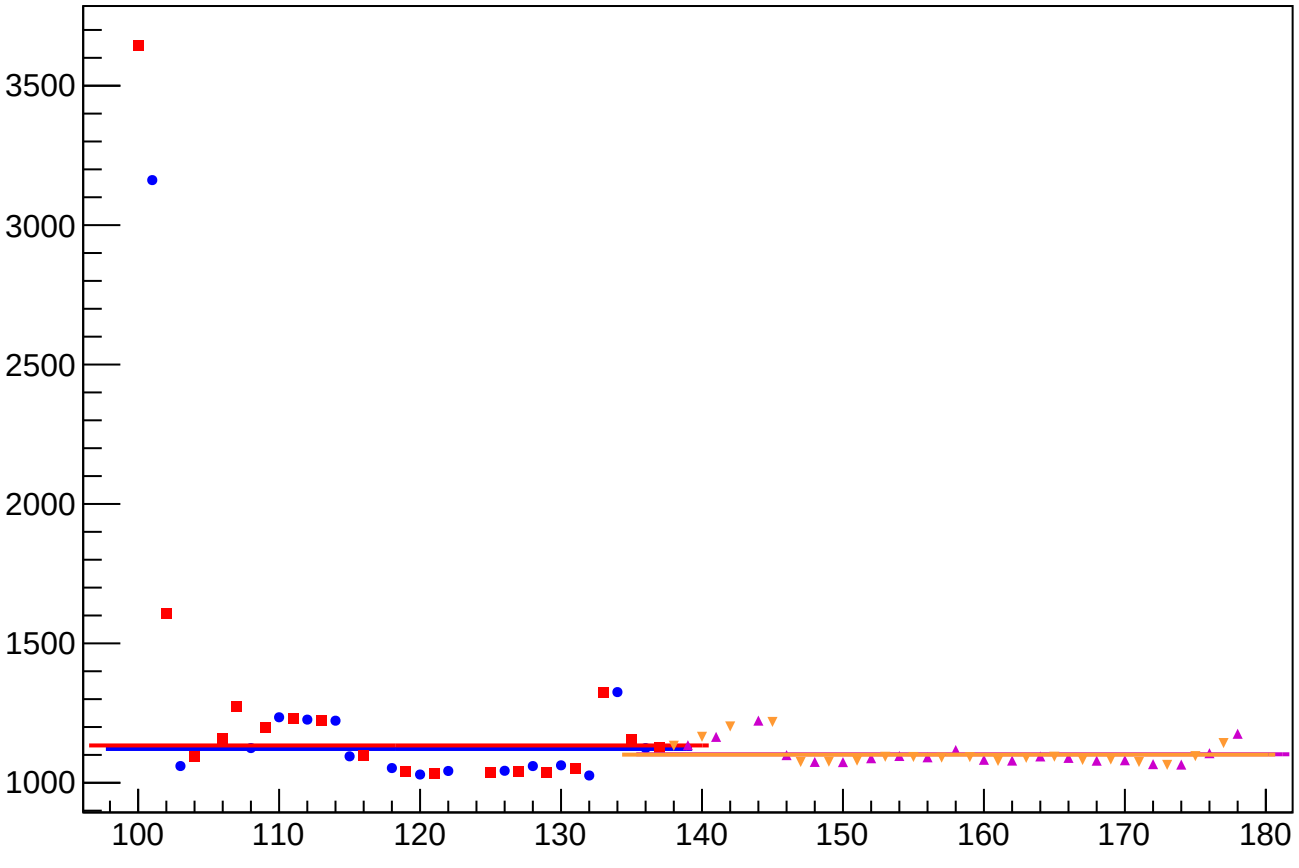
Left: 87.023+/-194.239 χ^2/NDF: 49.8/39

Right: 269.593+/-303.111 χ^2/NDF: 35.6/33

In: 60.158+/-229.846 χ^2/NDF:47.6/35

Out: 222.213+/-232.745 χ^2/NDF:37.8/37

All: 140.170+/-163.541 χ^2/NDF: 85.7/73



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: 1102.264+/-0.193 χ^2/NDF:40195.7/19

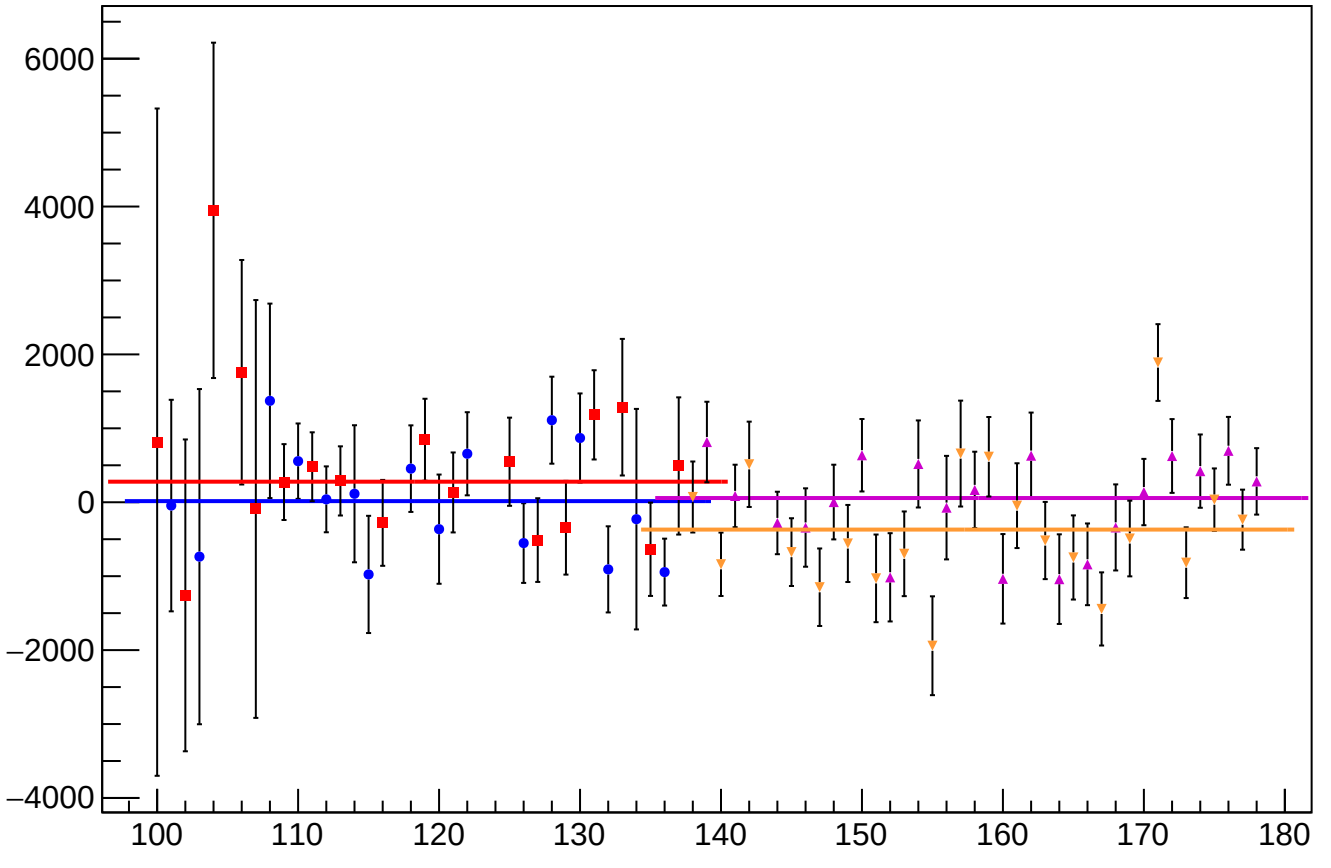
Left: 1101.629+/-0.137 χ^2/NDF: 77779.8/39

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1107.788+/-0.163 χ^2/NDF:660048.8/35

Out: 1110.597+/-0.165 χ^2/NDF:273306.1/37

All: 1109.175+/-0.116 χ^2/NDF: 933502.4/73



Right In: 15.288+/-161.844 χ^2/NDF: 19.6/15

Left Out: -369.714+/-114.832 χ^2/NDF:46.1/19

Right Out: 278.249+/-158.826 χ^2/NDF: 15.1/17

Left In: 57.088+/-115.420 χ^2/NDF:23.1/19

Left: -157.402+/-81.406 χ^2/NDF: 76.1/39

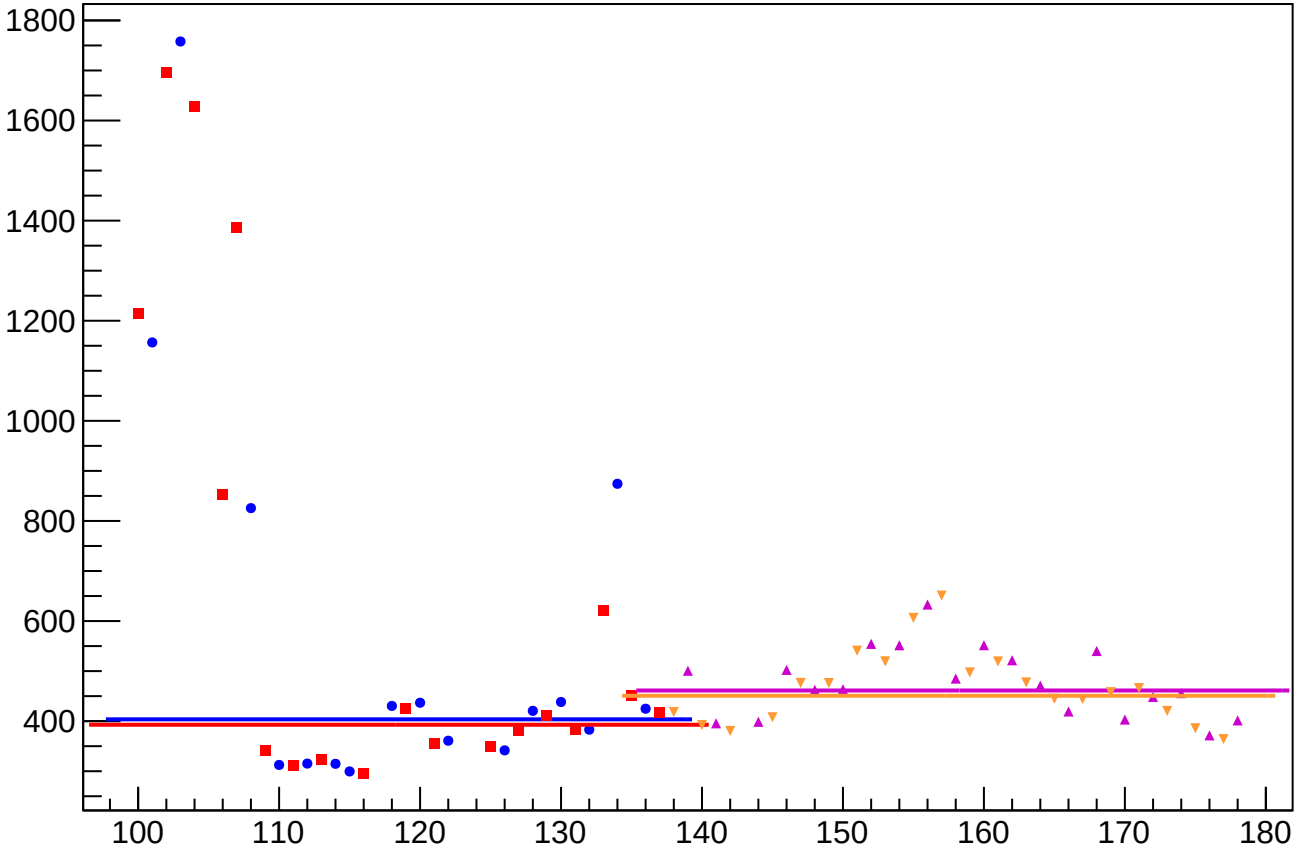
Right: 149.243+/-113.359 χ^2/NDF: 36.0/33

In: 42.996+/-93.971 χ^2/NDF:42.8/35

Out: -147.276+/-93.058 χ^2/NDF:72.1/37

All: -53.069+/-66.122 χ^2/NDF: 117.0/73

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: 461.303+/-0.082 χ^2/NDF:596727.7/19

Left: 455.990+/-0.058 χ^2/NDF: 1245864.1/39

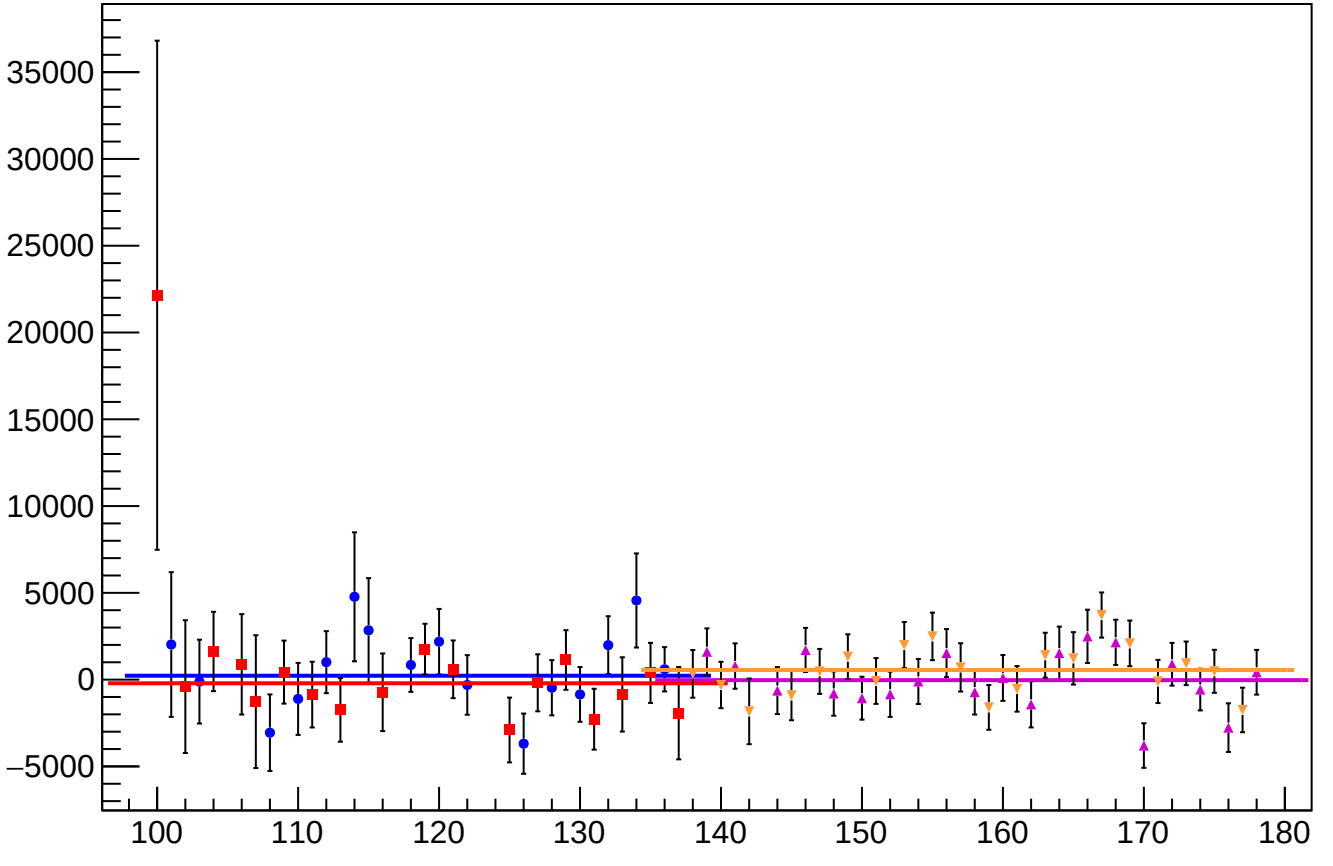
Right: 398.133+/-0.080 χ^2/NDF: 4137623.7/33

In: 441.867+/-0.066 χ^2/NDF:2694535.5/35

Out: 430.850+/-0.066 χ^2/NDF:3018797.8/37

All: 436.305+/-0.047 χ^2/NDF: 5727213.2/73

asym_us_dd_atlr_dd_dd_mean vs Slug, Sign Corrected



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: -31.949+/-294.618 χ^2/NDF:27.9/19

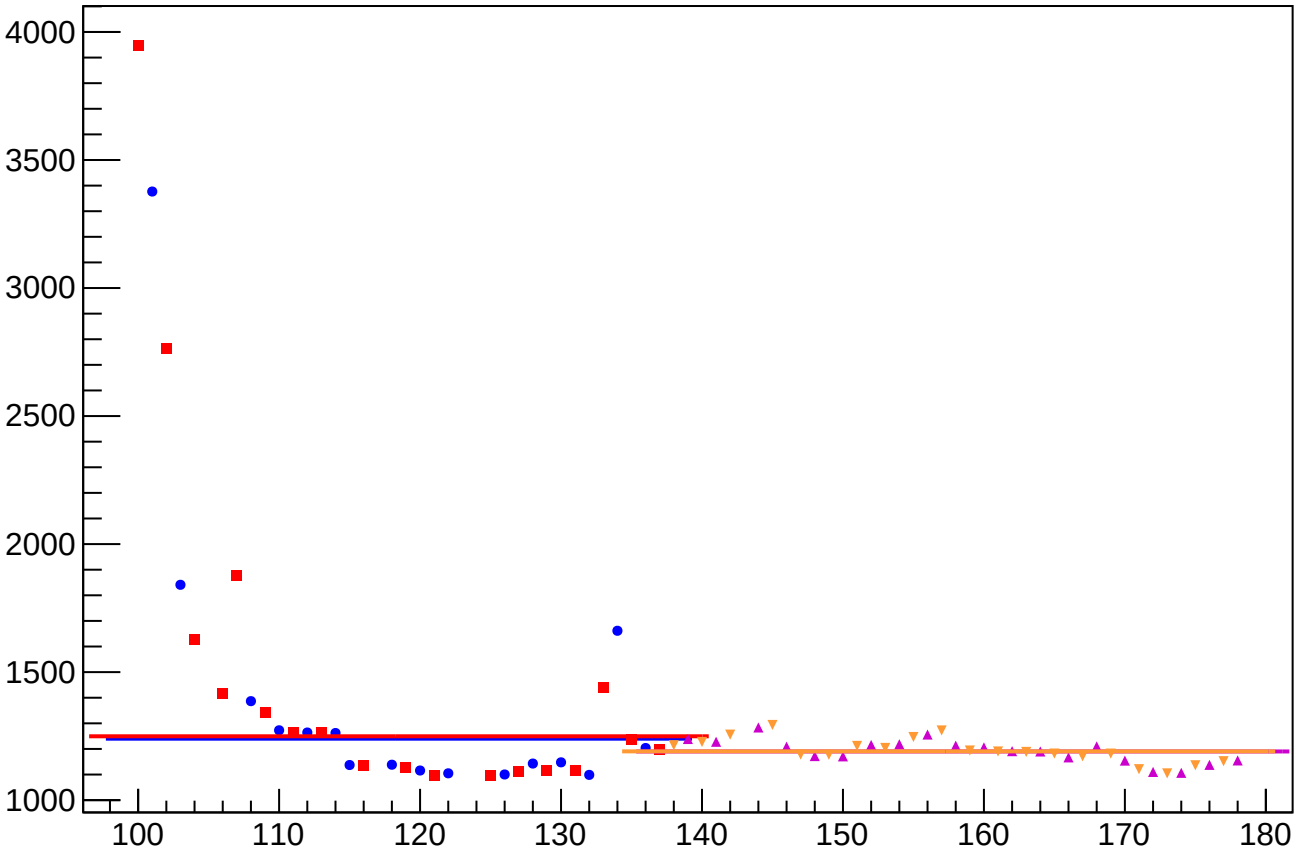
Left: 257.346+/-209.905 χ^2/NDF: 51.7/39

Right: 9.021+/-336.711 χ^2/NDF: 27.5/33

In: 39.483+/-250.304 χ^2/NDF:44.2/35

Out: 340.084+/-253.547 χ^2/NDF:34.6/37

All: 187.849+/-178.127 χ^2/NDF: 79.6/73



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: 1190.169+/-0.208 χ^2/NDF:47125.1/19

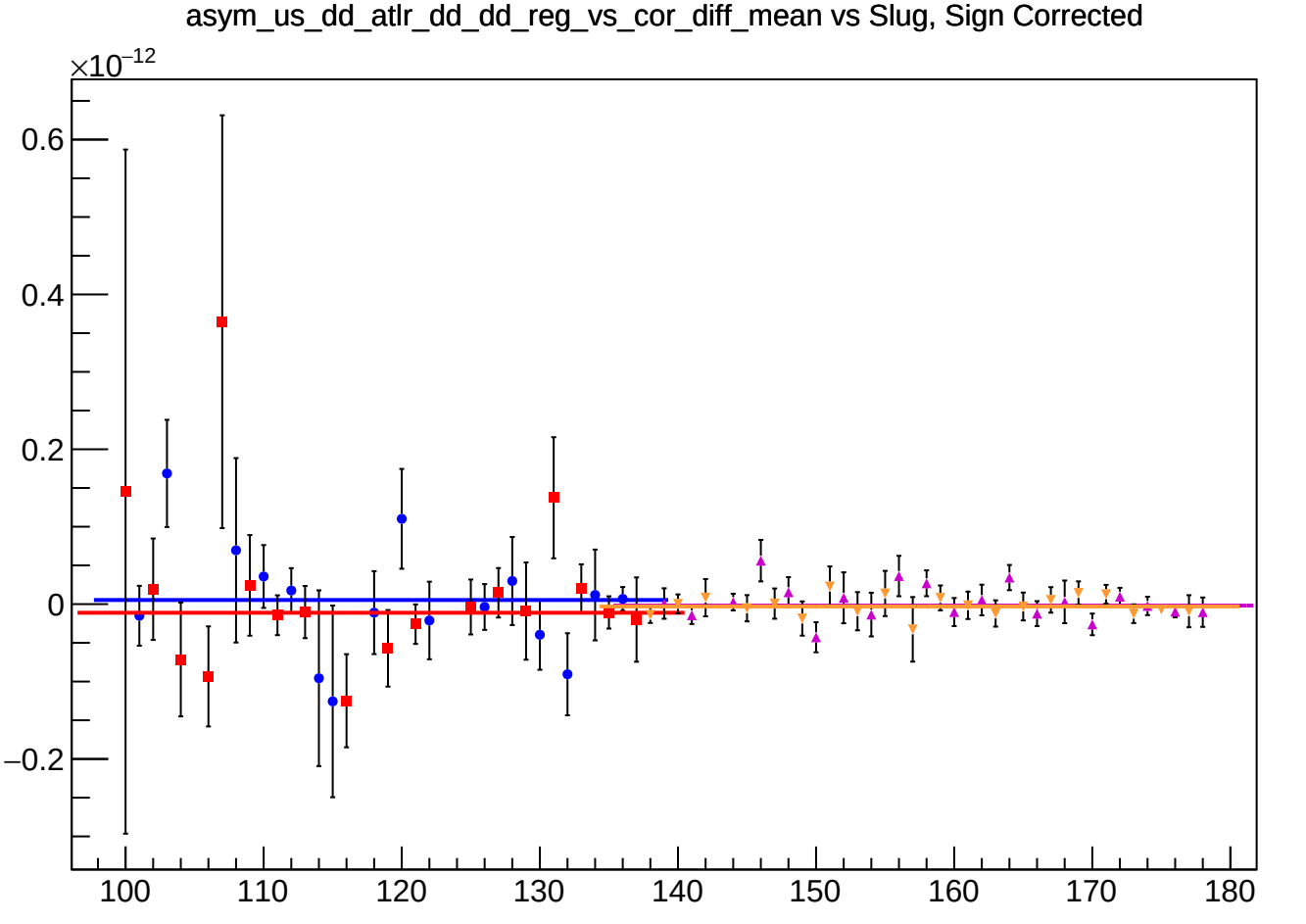
Left: 1190.342+/-0.148 χ^2/NDF: 95238.9/39

Right: 1244.743+/-0.238 χ^2/NDF: 1389157.9/33

In: 1204.071+/-0.177 χ^2/NDF:845811.3/35

Out: 1207.102+/-0.179 χ^2/NDF:676037.4/37

All: 1205.567+/-0.126 χ^2/NDF: 1521993.5/73



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:27.9/19

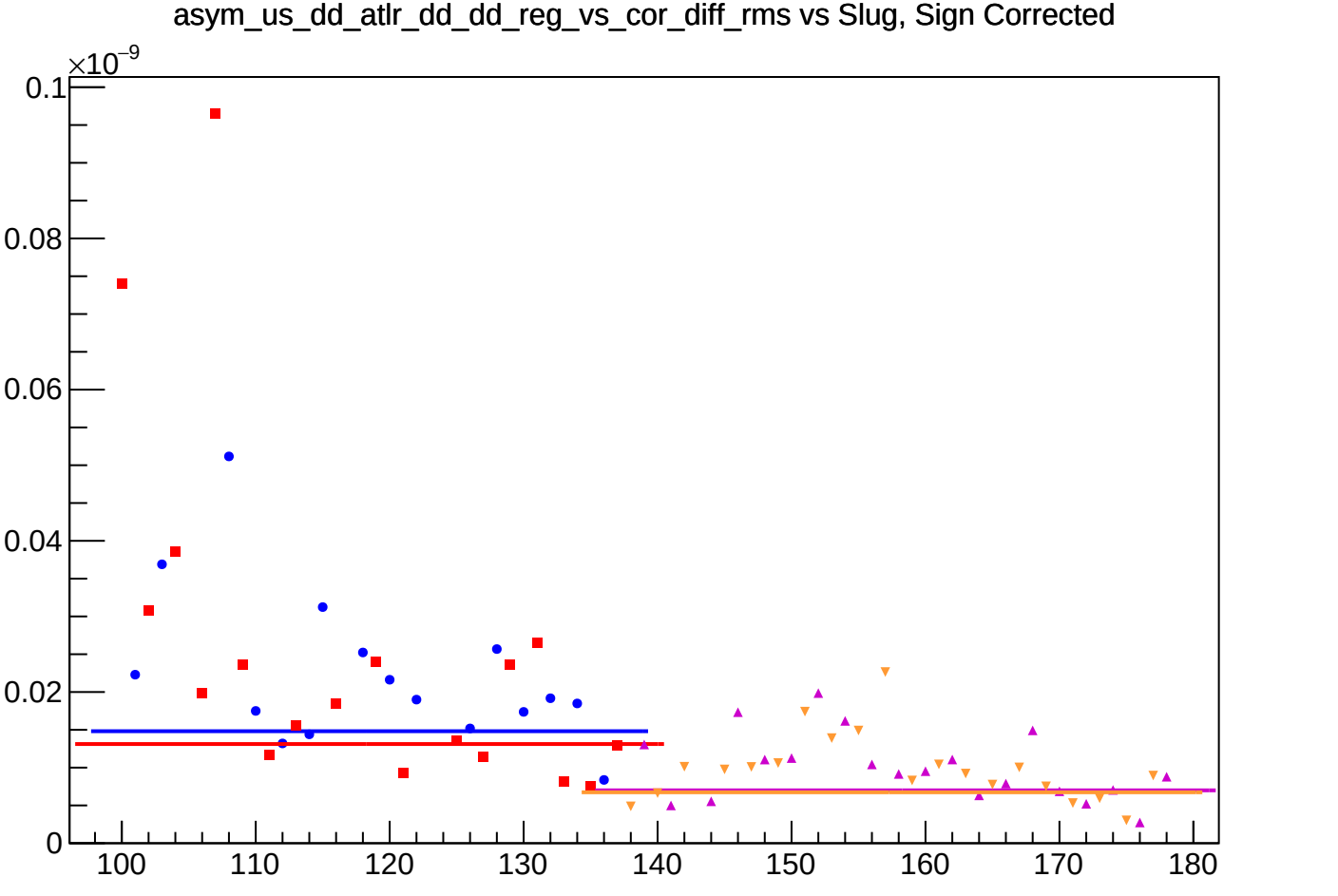
Left: -0.000+/-0.000 χ^2/NDF: 36.8/39

Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: -0.000+/-0.000 χ^2/NDF:44.8/35

Out: -0.000+/-0.000 χ^2/NDF:24.6/37

All: -0.000+/-0.000 χ^2/NDF: 69.8/73



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:2407581.1/19

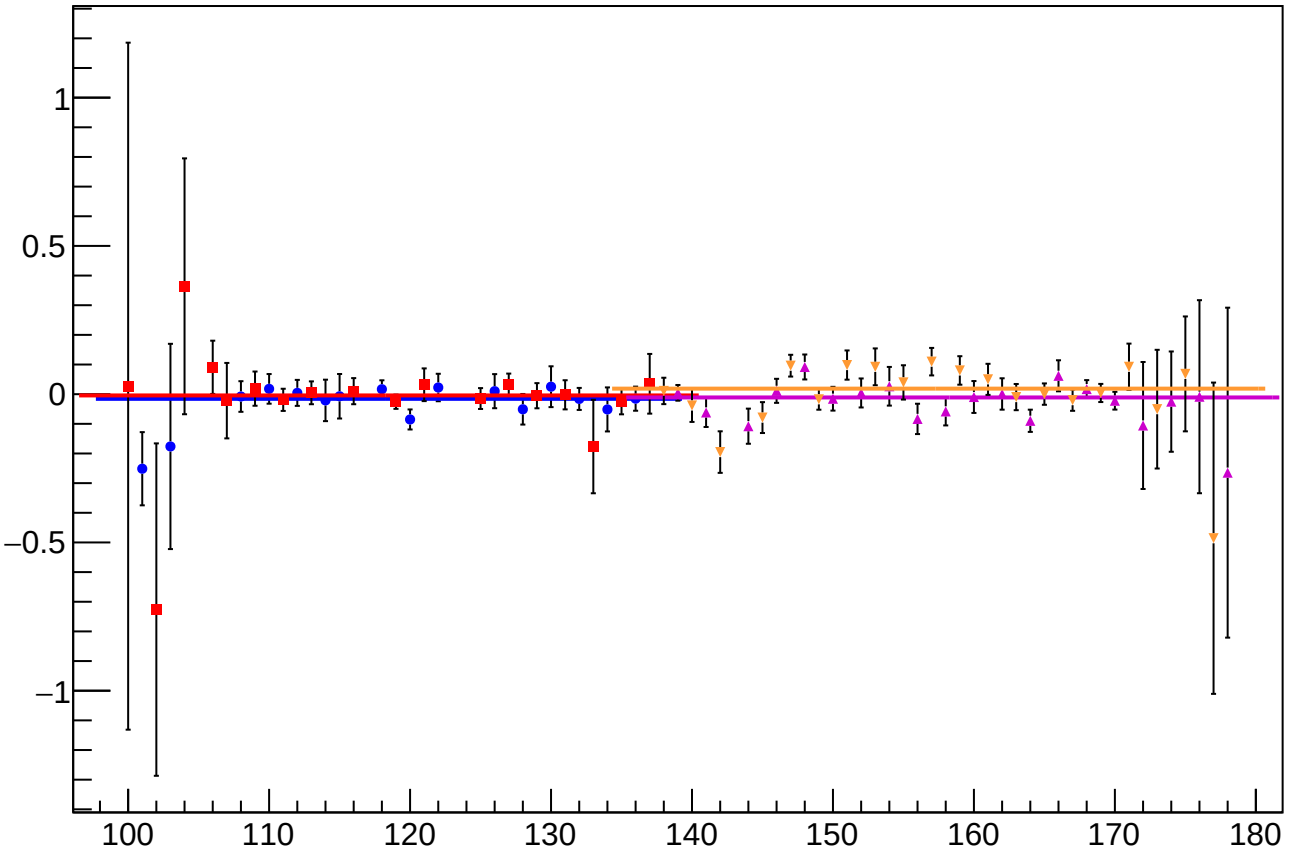
Left: 0.000+/-0.000 χ^2/NDF: 4673012.7/39

Right: 0.000+/-0.000 χ^2/NDF: 2295265.5/33

In: 0.000+/-0.000 χ^2/NDF:4661453.8/35

Out: 0.000+/-0.000 χ^2/NDF:4268735.1/37

All: 0.000+/-0.000 χ^2/NDF: 8947469.8/73



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:21.6/19

Left: 0.003+/-0.007 χ^2/NDF: 59.0/39

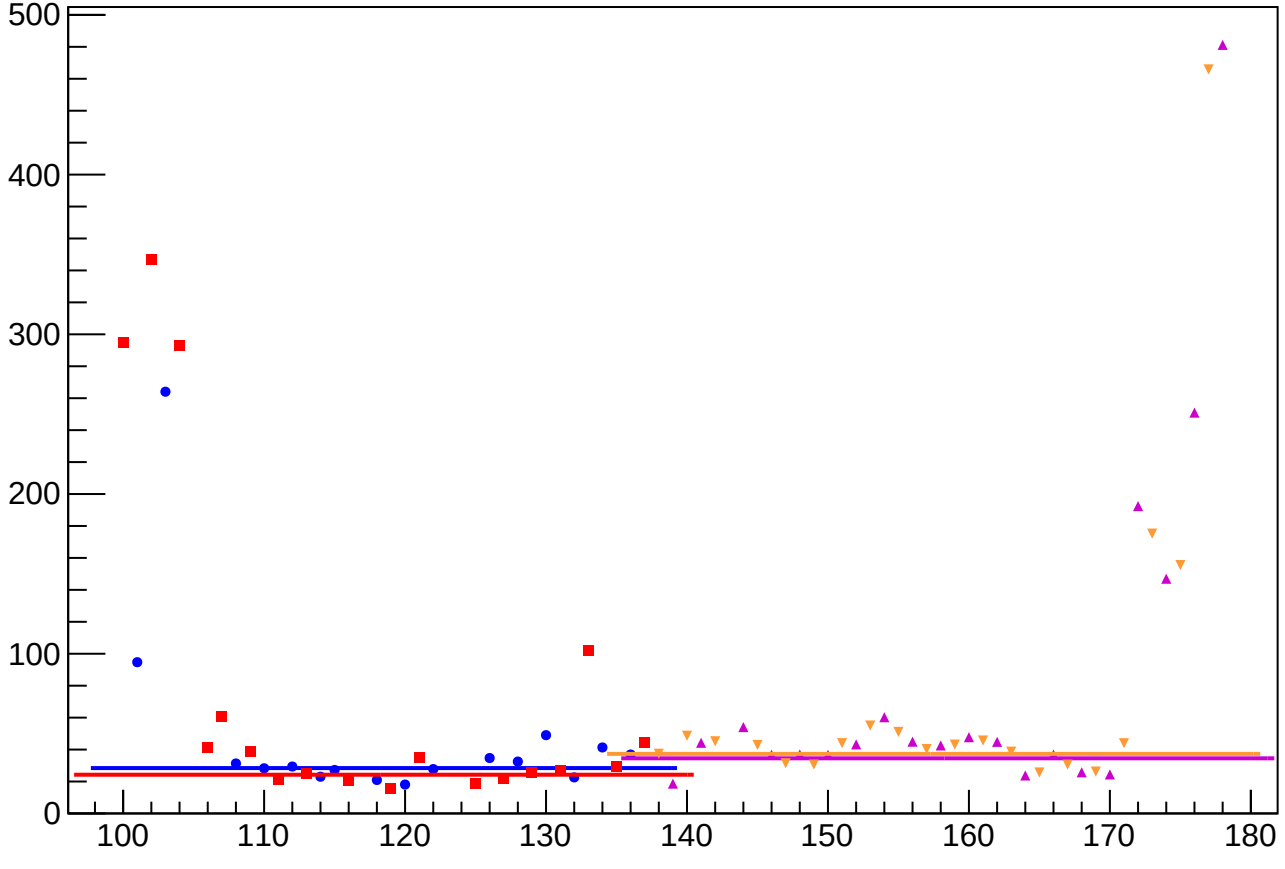
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:33.6/35

Out: 0.008+/-0.008 χ^2/NDF:43.4/37

All: -0.003+/-0.006 χ^2/NDF: 80.5/73

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: 34.521+/-0.007 χ^2/NDF:6454900.1/19

Left: 35.843+/-0.005 χ^2/NDF: 10766305.2/39

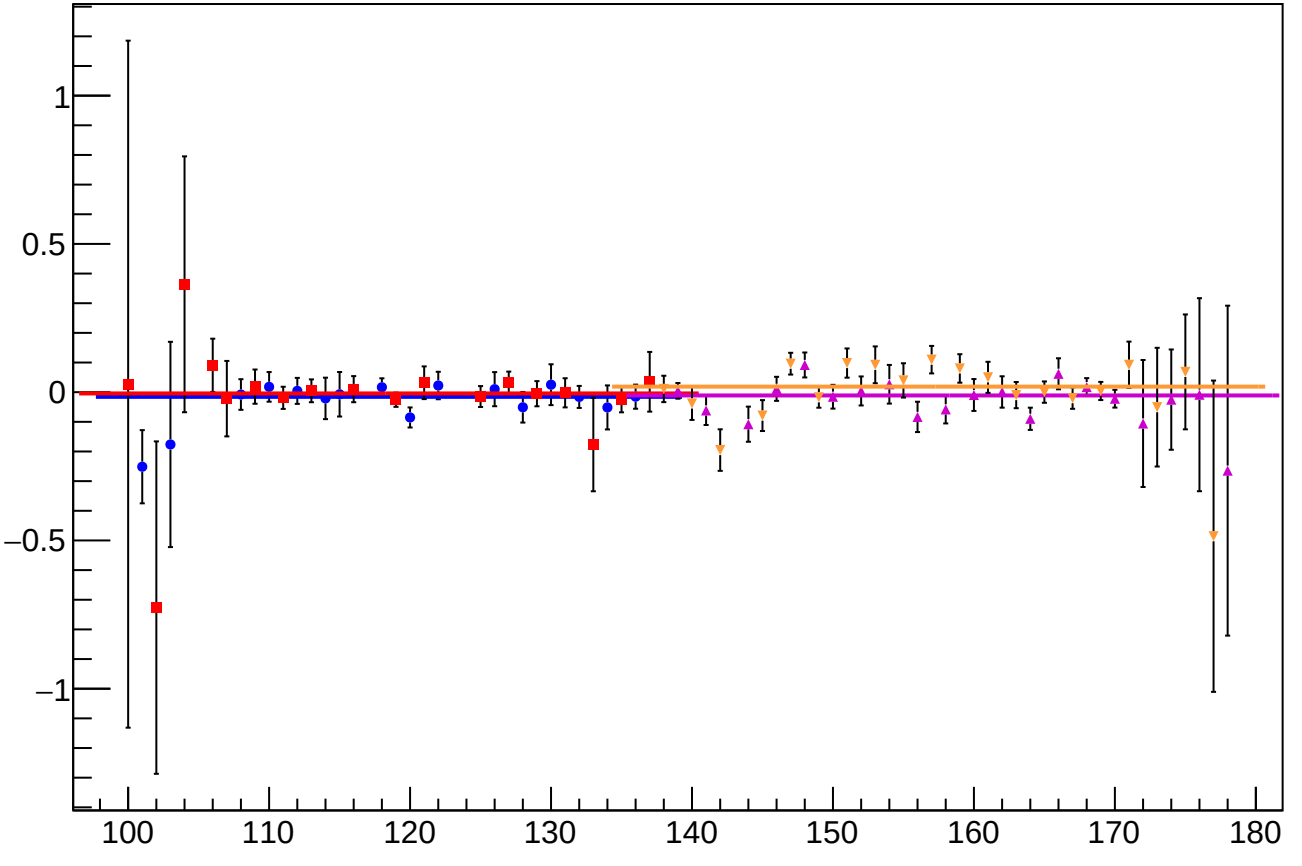
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 32.010+/-0.006 χ^2/NDF:8990936.4/35

Out: 31.140+/-0.006 χ^2/NDF:8529077.8/37

All: 31.574+/-0.004 χ^2/NDF: 17532228.5/73

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:21.6/19

Left: 0.003+/-0.007 χ^2/NDF: 59.0/39

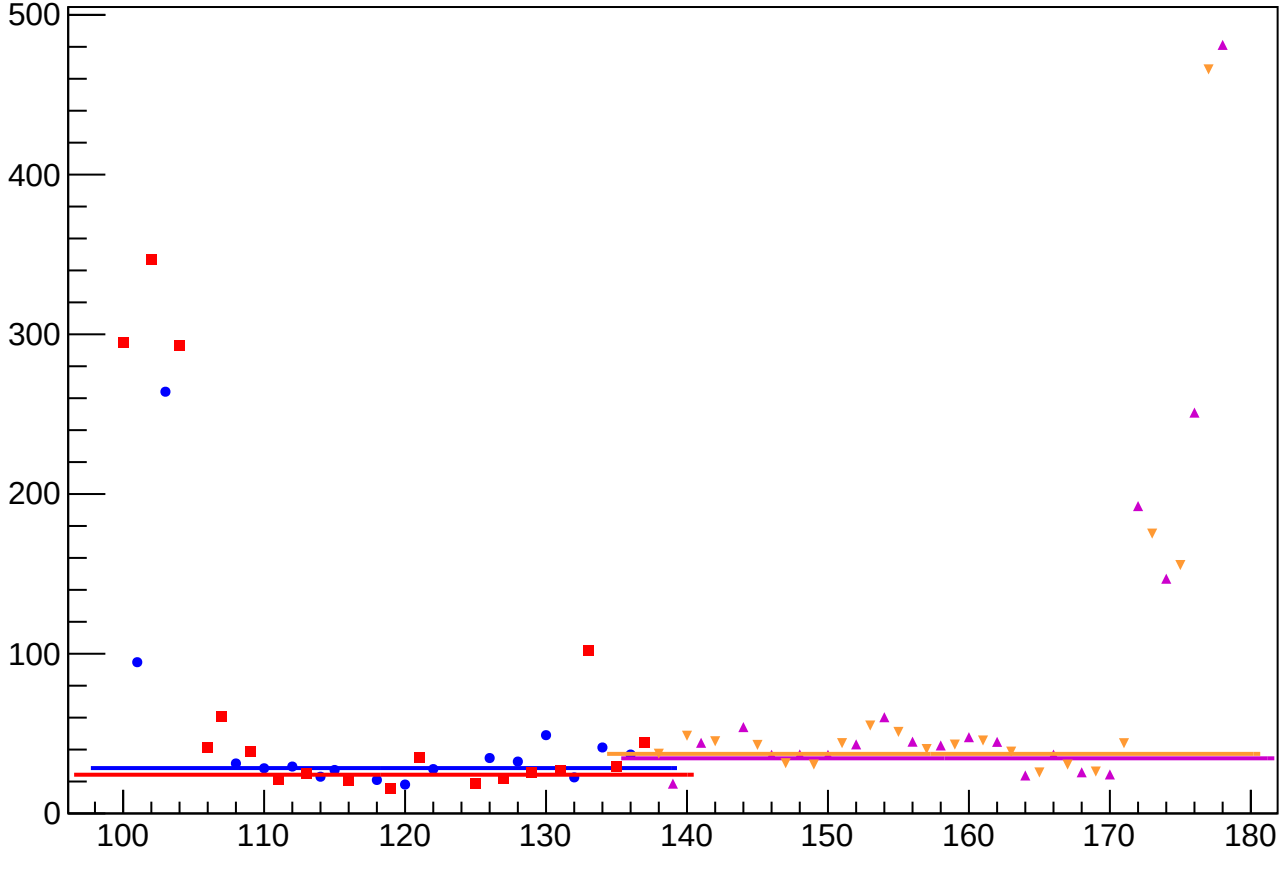
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:33.6/35

Out: 0.008+/-0.008 χ^2/NDF:43.4/37

All: -0.003+/-0.006 χ^2/NDF: 80.5/73

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: 34.521+/-0.007 χ^2/NDF:6454900.1/19

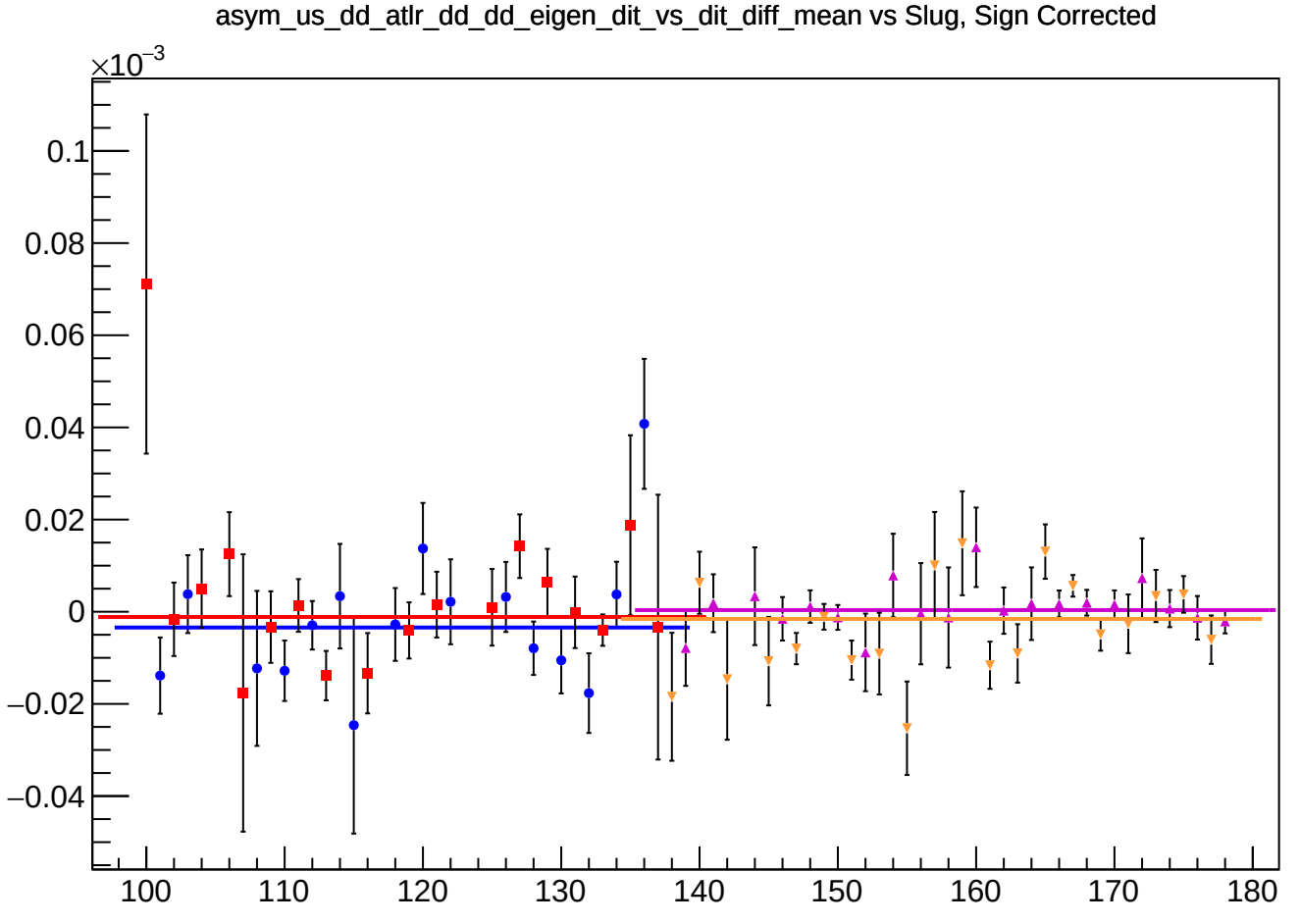
Left: 35.843+/-0.005 χ^2/NDF: 10766305.2/39

Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 32.010+/-0.006 χ^2/NDF:8990936.4/35

Out: 31.140+/-0.006 χ^2/NDF:8529077.8/37

All: 31.574+/-0.004 χ^2/NDF: 17532228.5/73



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:8.5/19

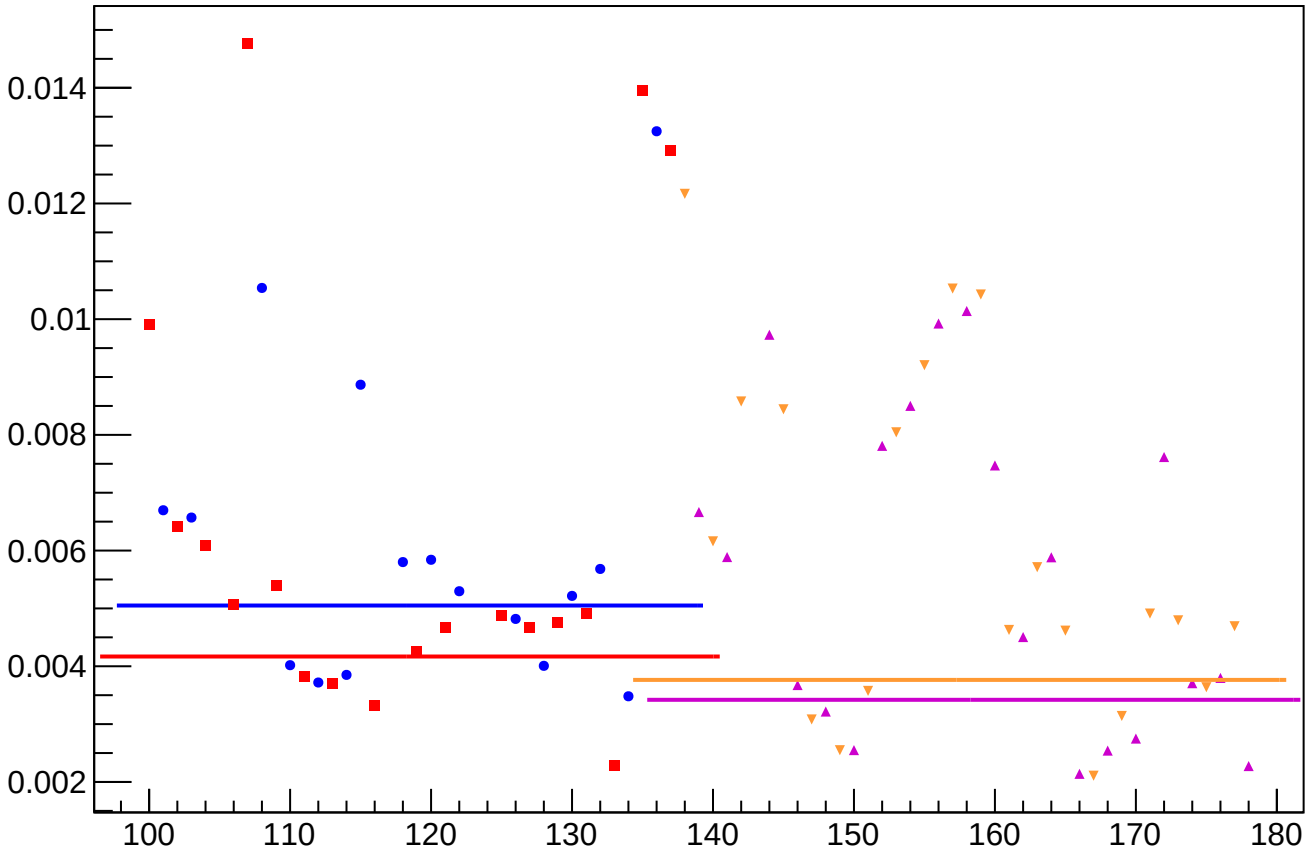
Left: -0.000+/-0.000 χ^2/NDF: 57.4/39

Right: -0.000+/-0.000 χ^2/NDF: 48.9/33

In: -0.000+/-0.000 χ^2/NDF:36.4/35

Out: -0.000+/-0.000 χ^2/NDF:70.1/37

All: -0.000+/-0.000 χ^2/NDF: 107.3/73



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: 0.003+/-0.000 χ^2/NDF:6483729.4/19

Left: 0.004+/-0.000 χ^2/NDF: 12753607.4/39

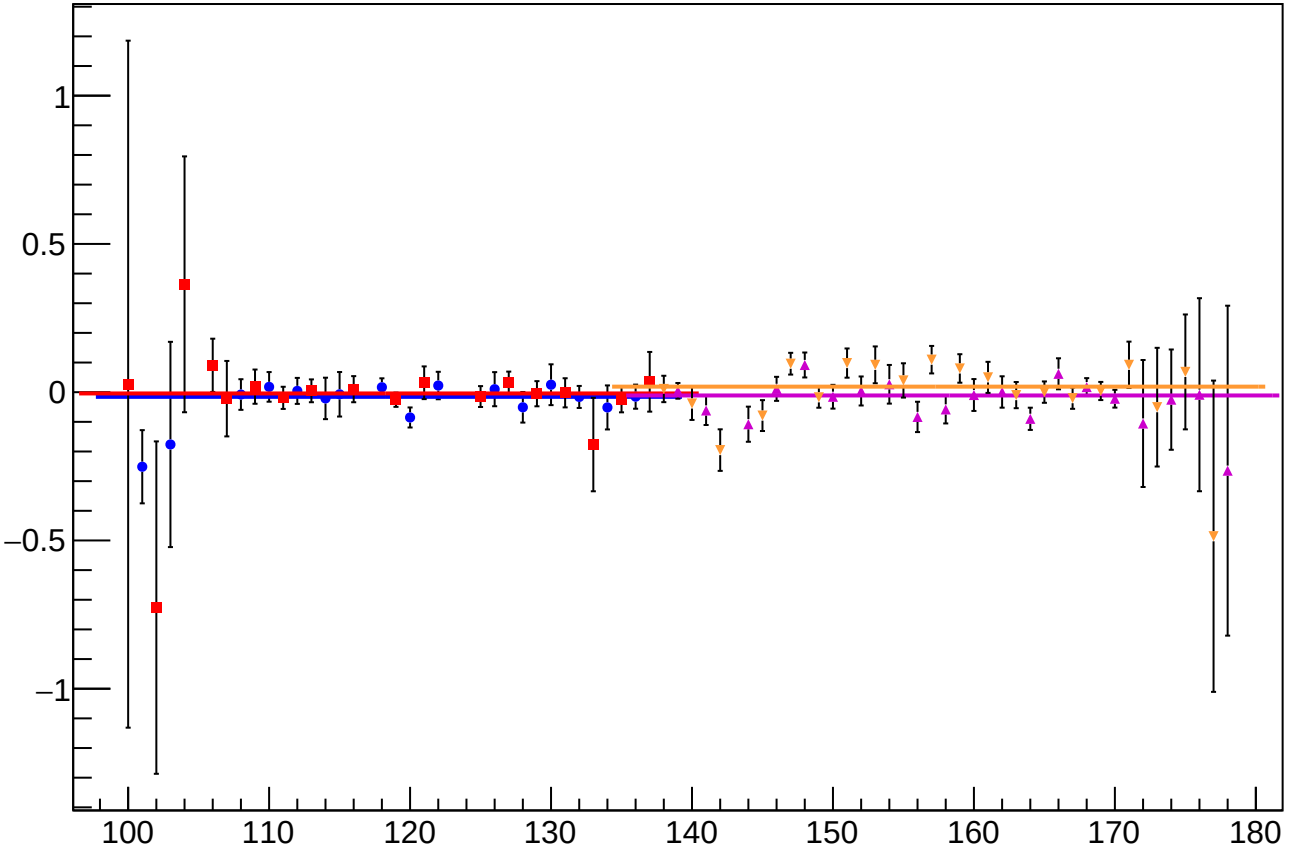
Right: 0.005+/-0.000 χ^2/NDF: 3758667.6/33

In: 0.004+/-0.000 χ^2/NDF:9028814.8/35

Out: 0.004+/-0.000 χ^2/NDF:8280766.3/37

All: 0.004+/-0.000 χ^2/NDF: 17338266.3/73

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-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:21.6/19

Left: 0.003+/-0.007 χ^2/NDF: 59.0/39

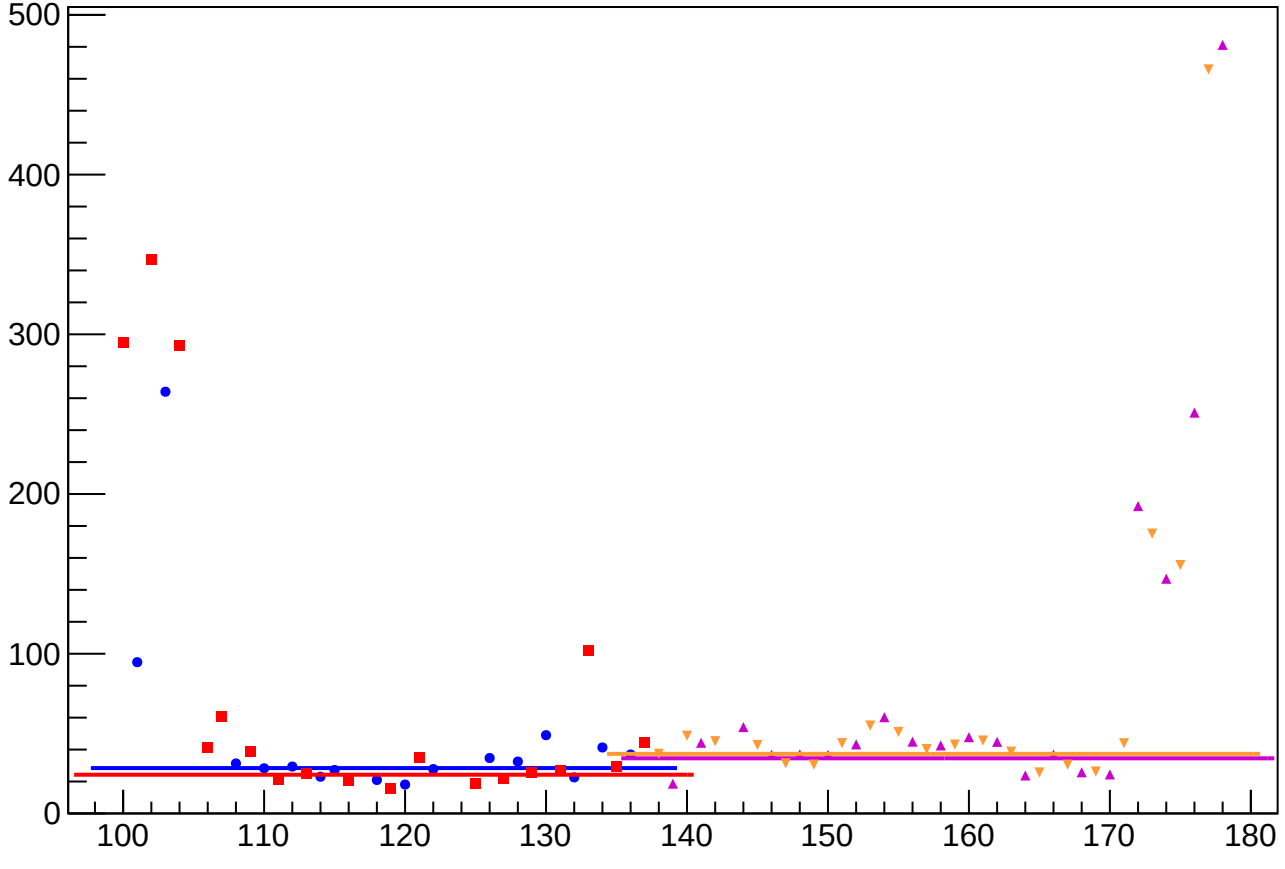
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:33.6/35

Out: 0.008+/-0.008 χ^2/NDF:43.4/37

All: -0.003+/-0.006 χ^2/NDF: 80.5/73

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: 34.521+/-0.007 χ^2/NDF:6455321.3/19

Left: 35.843+/-0.005 χ^2/NDF: 10766882.8/39

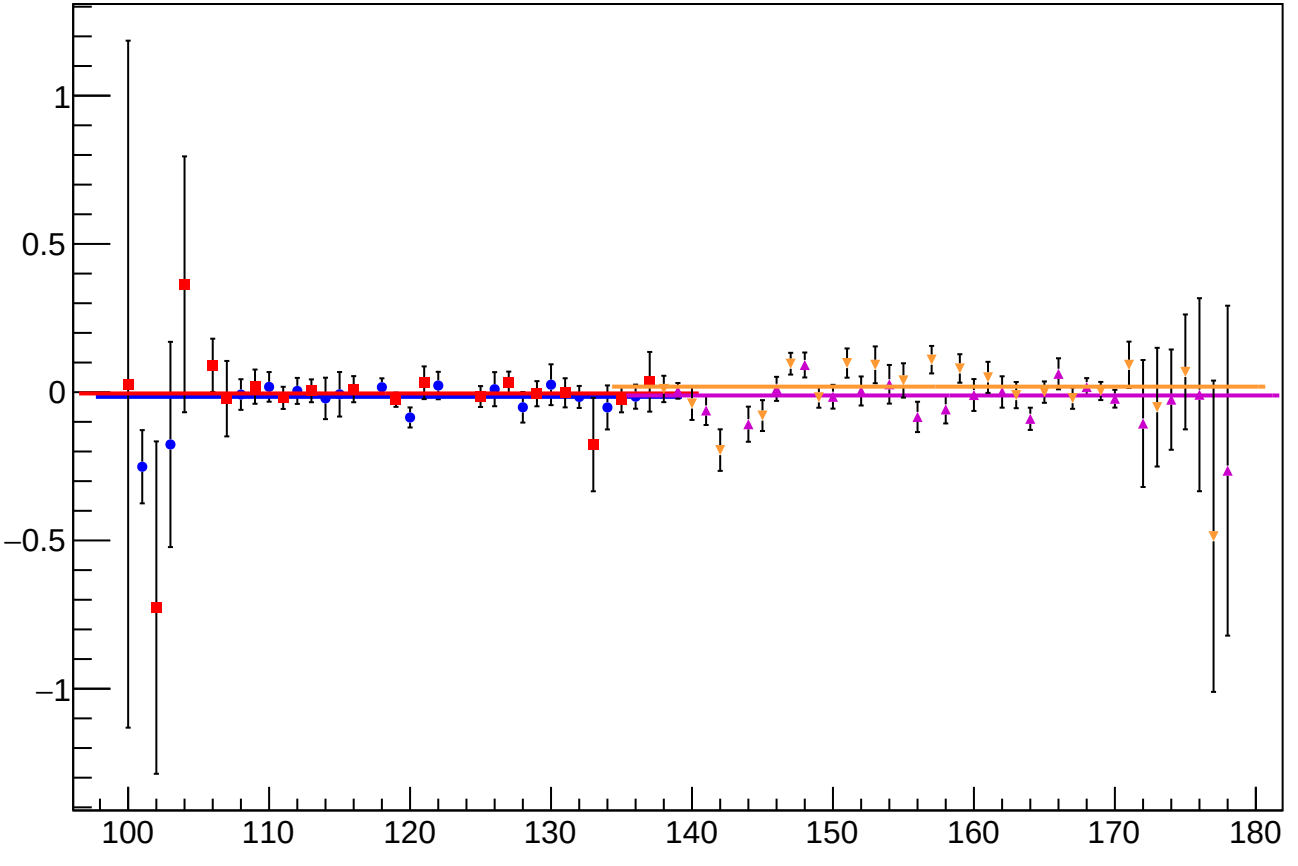
Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 32.010+/-0.006 χ^2/NDF:8991351.6/35

Out: 31.139+/-0.006 χ^2/NDF:8529801.9/37

All: 31.573+/-0.004 χ^2/NDF: 17533396.6/73

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:21.6/19

Left: 0.003+/-0.007 χ^2/NDF: 59.0/39

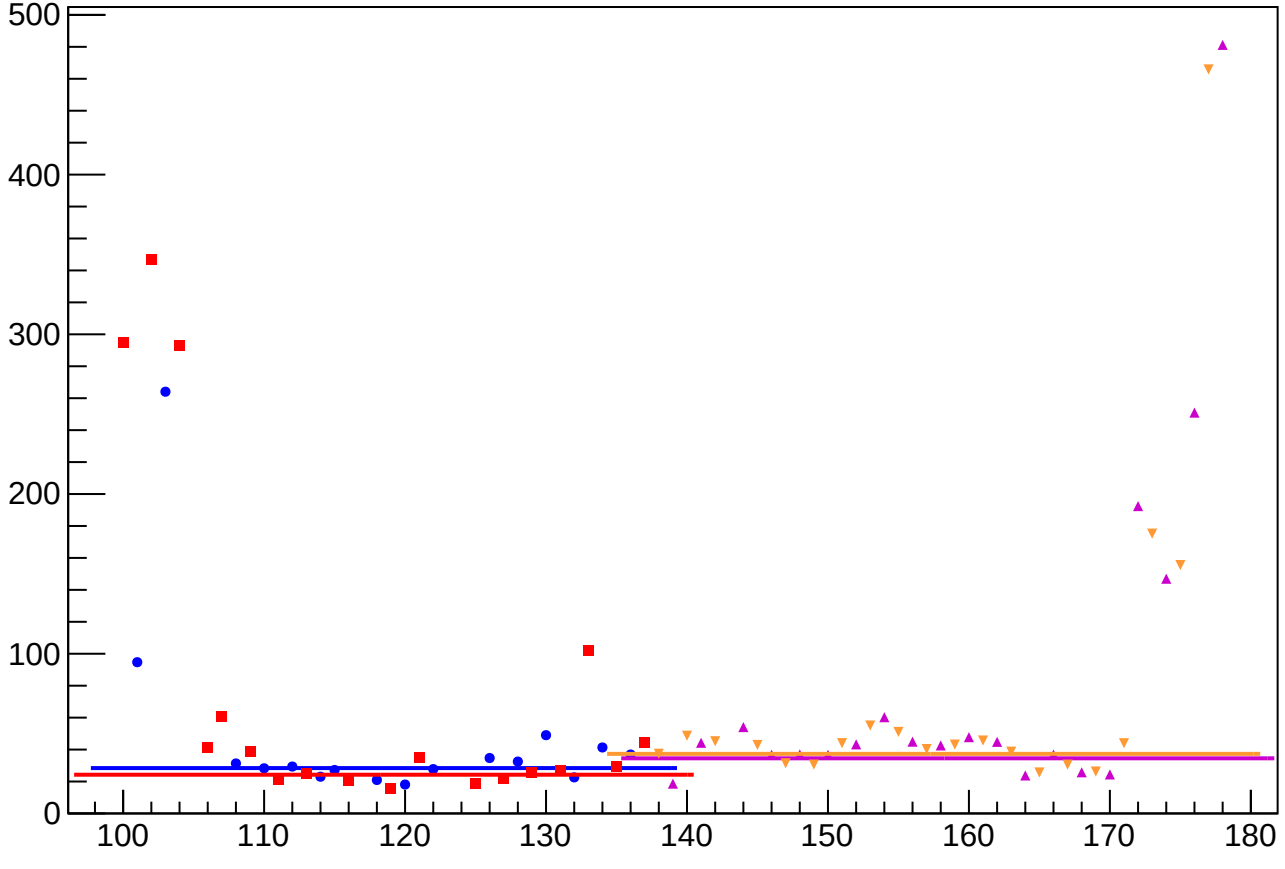
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:33.6/35

Out: 0.008+/-0.008 χ^2/NDF:43.4/37

All: -0.003+/-0.006 χ^2/NDF: 80.5/73

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: 34.521+/-0.007 χ^2/NDF:6455321.3/19

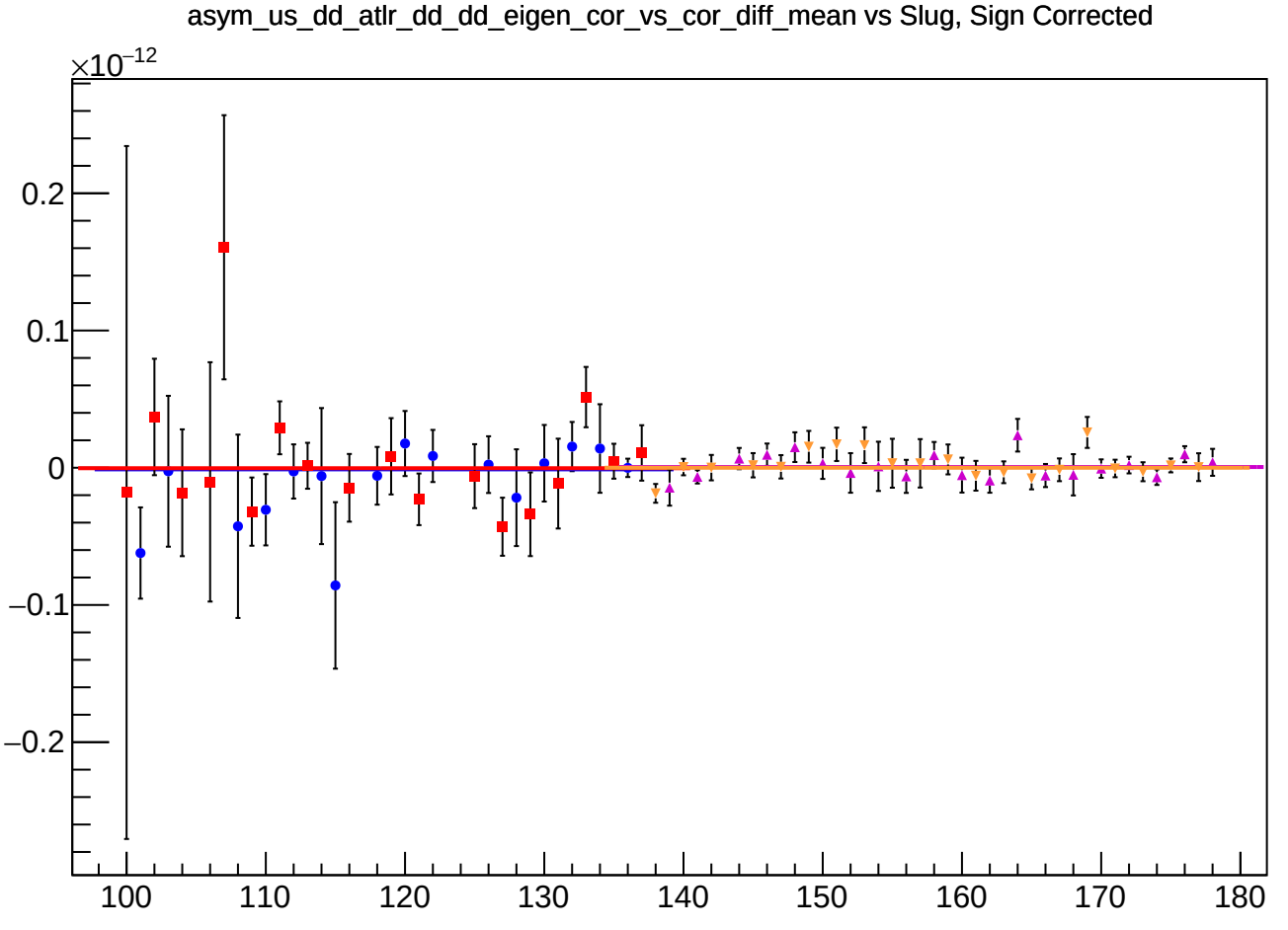
Left: 35.843+/-0.005 χ^2/NDF: 10766882.8/39

Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 32.010+/-0.006 χ^2/NDF:8991351.6/35

Out: 31.139+/-0.006 χ^2/NDF:8529801.9/37

All: 31.573+/-0.004 χ^2/NDF: 17533396.6/73



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:18.7/19

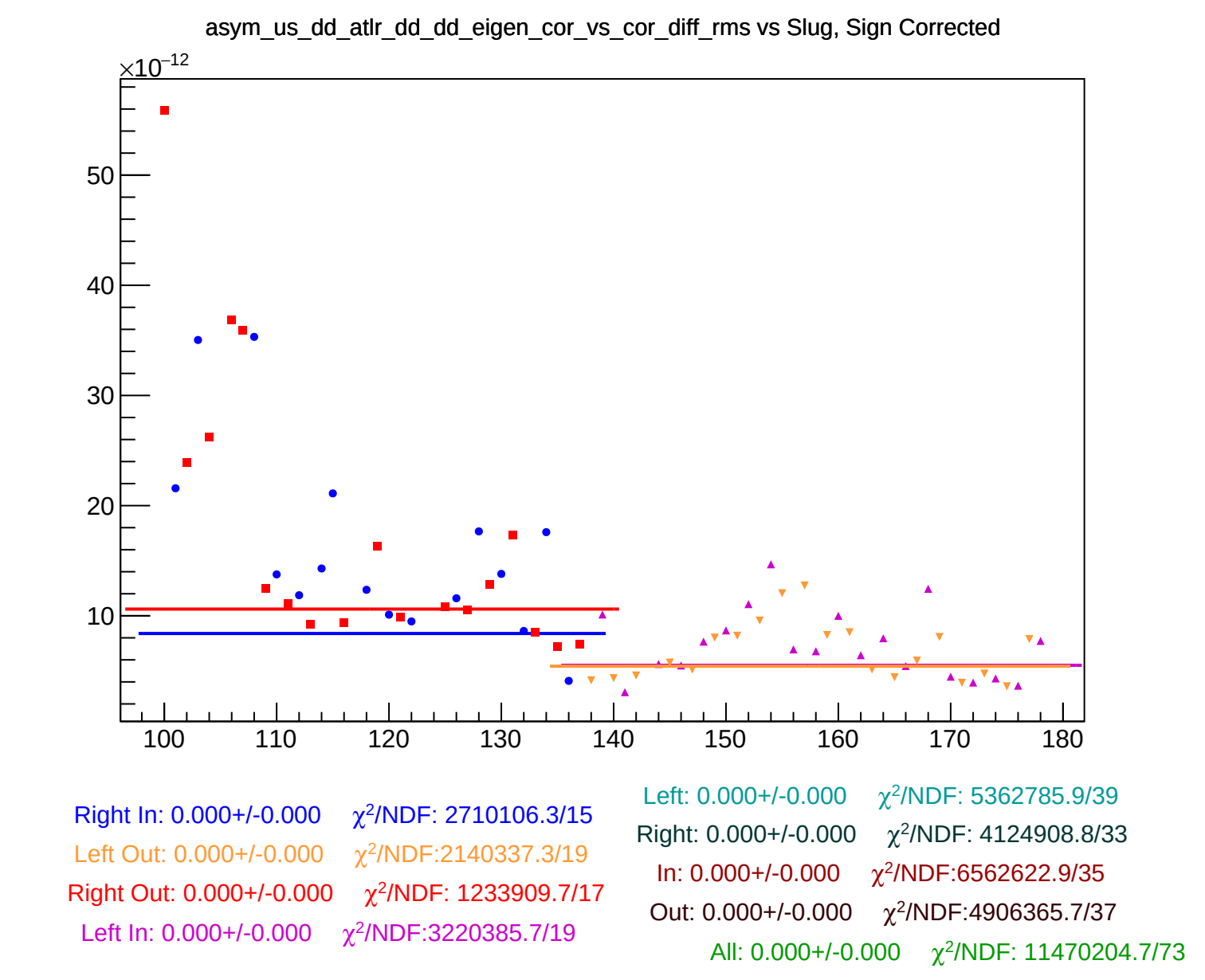
Left: 0.000+/-0.000 χ^2/NDF: 38.9/39

Right: -0.000+/-0.000 χ^2/NDF: 30.5/33

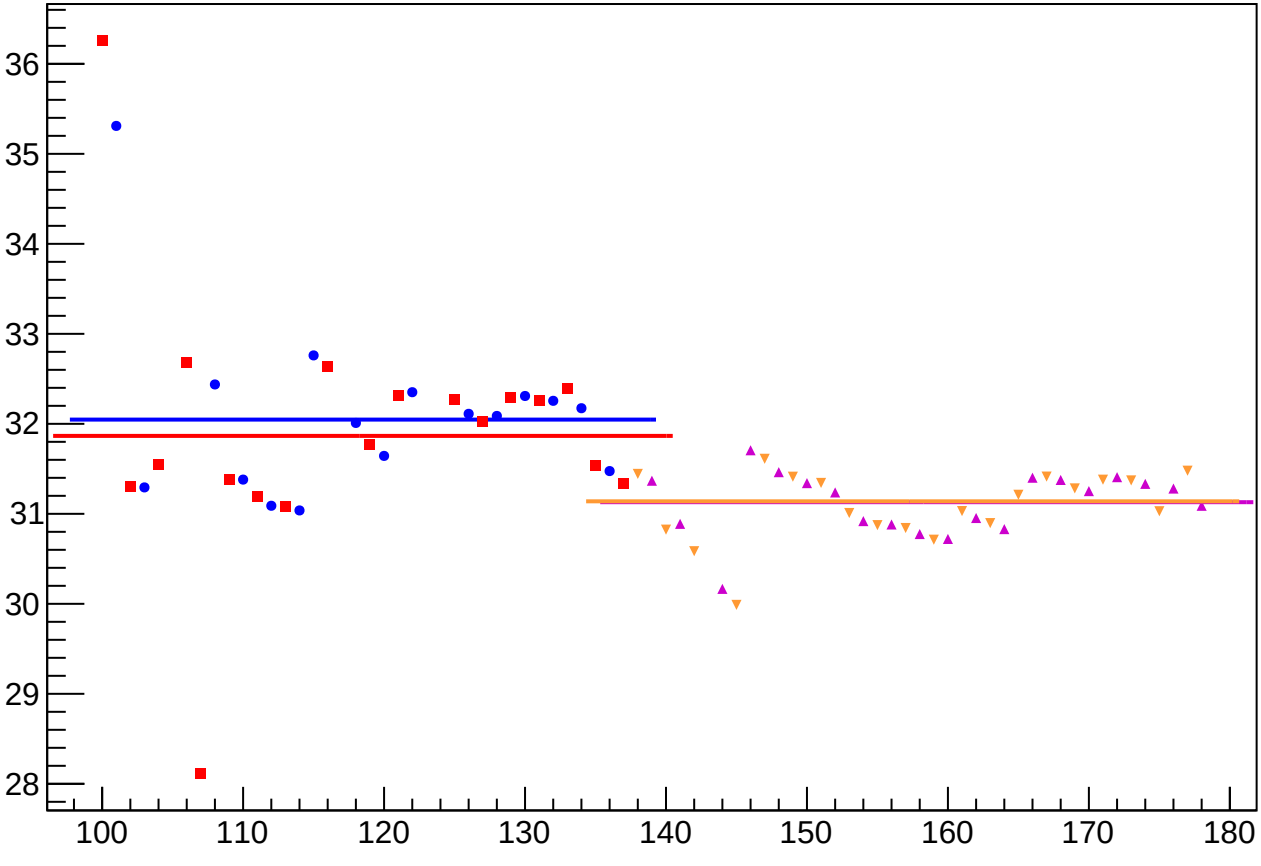
In: 0.000+/-0.000 χ^2/NDF:28.3/35

Out: -0.000+/-0.000 χ^2/NDF:41.2/37

All: 0.000+/-0.000 χ^2/NDF: 69.5/73


asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2710106.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2140337.3/19
Right Out: 0.000+/-0.000 χ²/NDF: 1233909.7/17
Left In: 0.000+/-0.000 χ²/NDF:3220385.7/19
Left: 0.000+/-0.000 χ²/NDF: 5362785.9/39
Right: 0.000+/-0.000 χ²/NDF: 4124908.8/33
In: 0.000+/-0.000 χ²/NDF:6562622.9/35
Out: 0.000+/-0.000 χ²/NDF:4906365.7/37
All: 0.000+/-0.000 χ²/NDF: 11470204.7/73

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: 31.129+/-0.000 χ^2/NDF:276695731.6/19

Left: 31.134+/-0.000 χ^2/NDF: 561219344.4/39

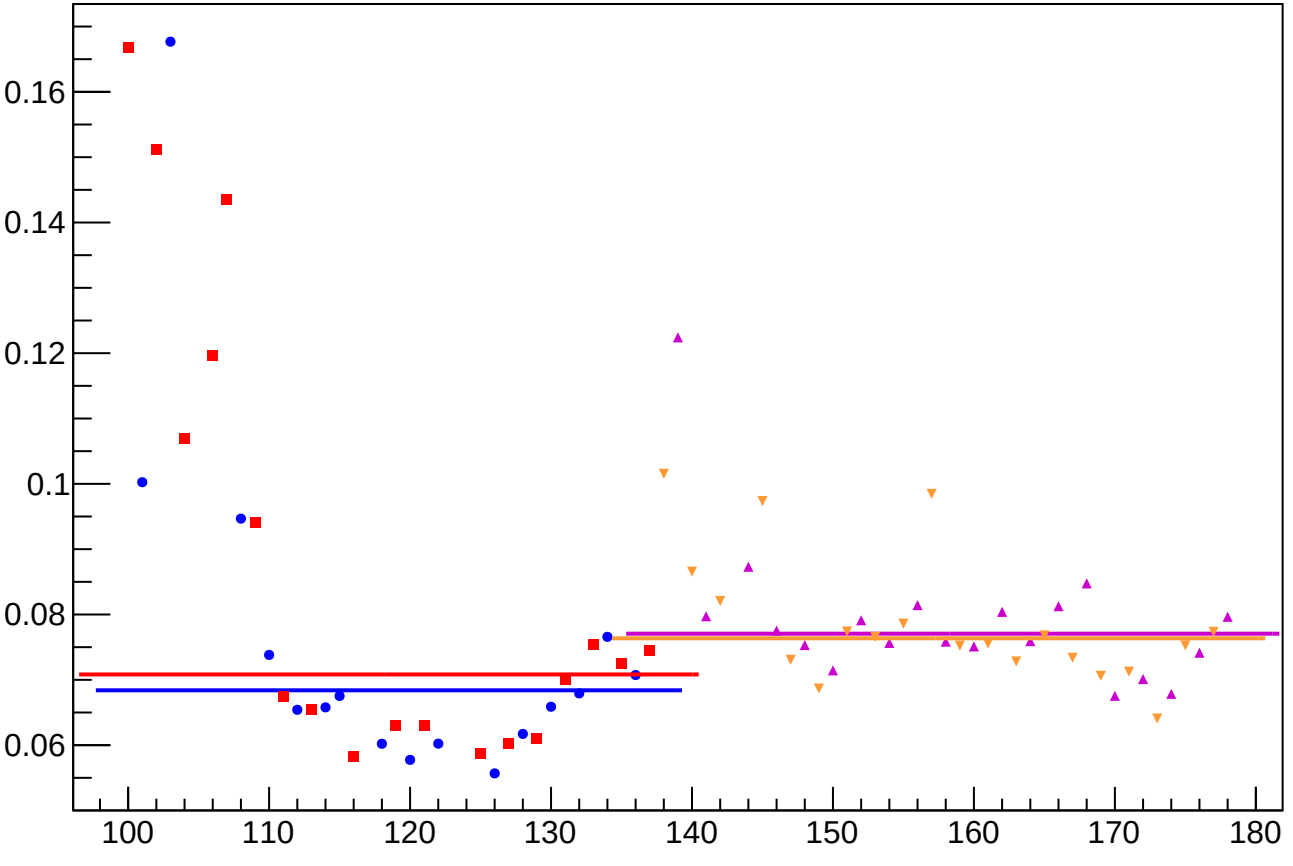
Right: 31.960+/-0.000 χ^2/NDF: 1405663241.1/33

In: 31.451+/-0.000 χ^2/NDF:1906500967.0/35

Out: 31.384+/-0.000 χ^2/NDF:1205317993.5/37

All: 31.418+/-0.000 χ^2/NDF: 3120358257.6/7

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:354771.4/19

Left: 0.077+/-0.000 χ^2/NDF: 707877.0/39

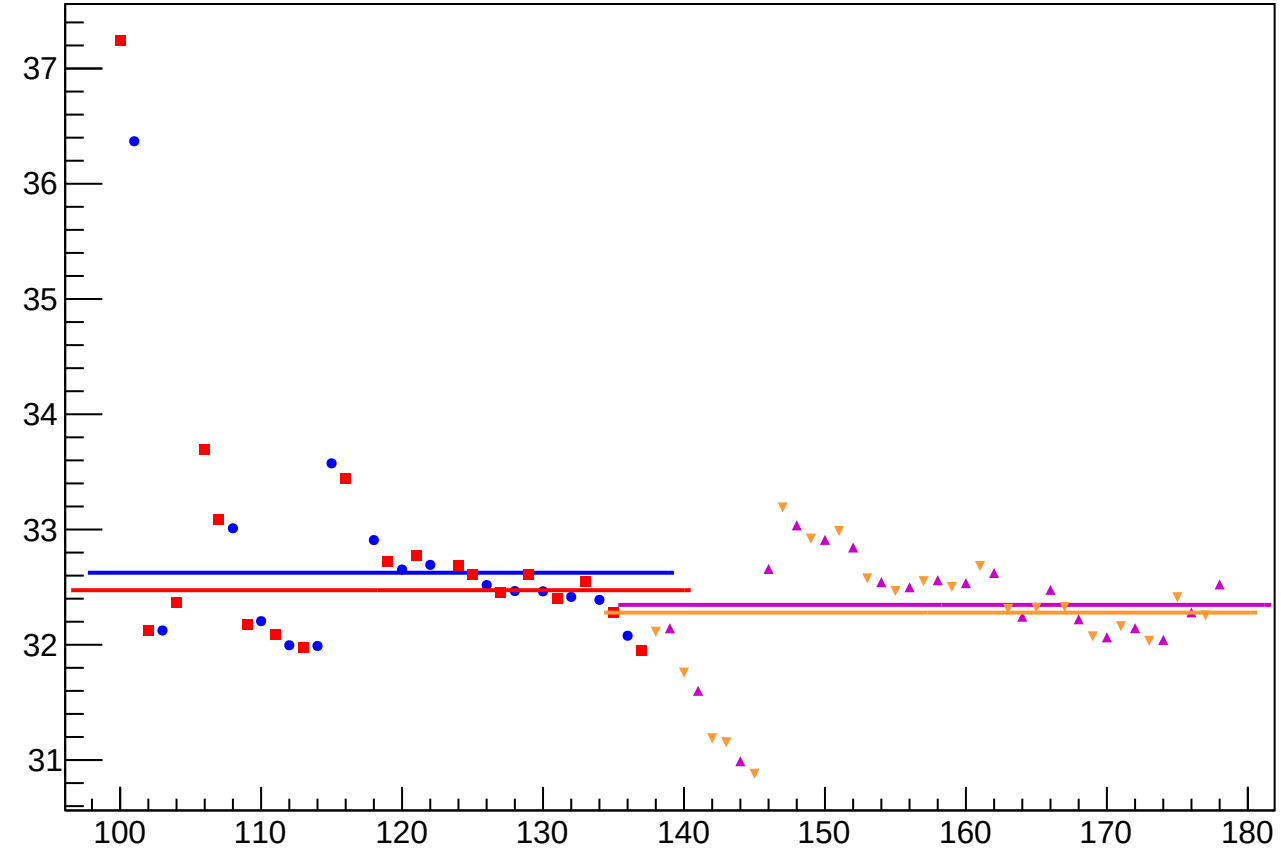
Right: 0.070+/-0.000 χ^2/NDF: 1579028.4/33

In: 0.074+/-0.000 χ^2/NDF:1188358.3/35

Out: 0.074+/-0.000 χ^2/NDF:1270468.9/37

All: 0.074+/-0.000 χ^2/NDF: 2459654.3/73

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: 32.346+/-0.000 χ^2/NDF:579563832.6/19

Left: 32.313+/-0.000 χ^2/NDF: 1380202832.7/40

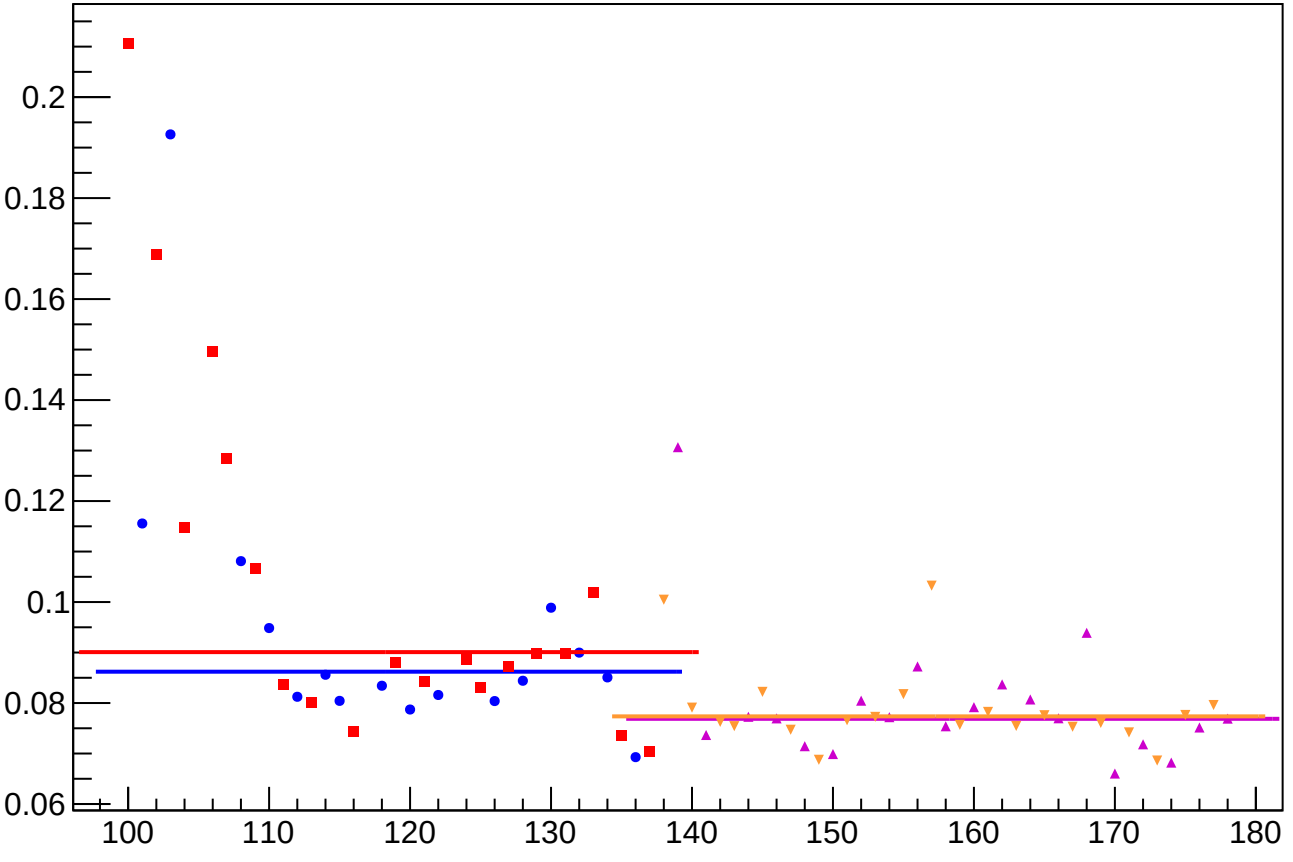
Right: 32.552+/-0.000 χ^2/NDF: 905331922.0/34

In: 32.416+/-0.000 χ^2/NDF:1367941679.4/35

Out: 32.326+/-0.000 χ^2/NDF:974607734.4/39

All: 32.371+/-0.000 χ^2/NDF: 2356236387.9/7

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:472768.3/19

Left: 0.077+/-0.000 χ^2/NDF: 704519.7/40

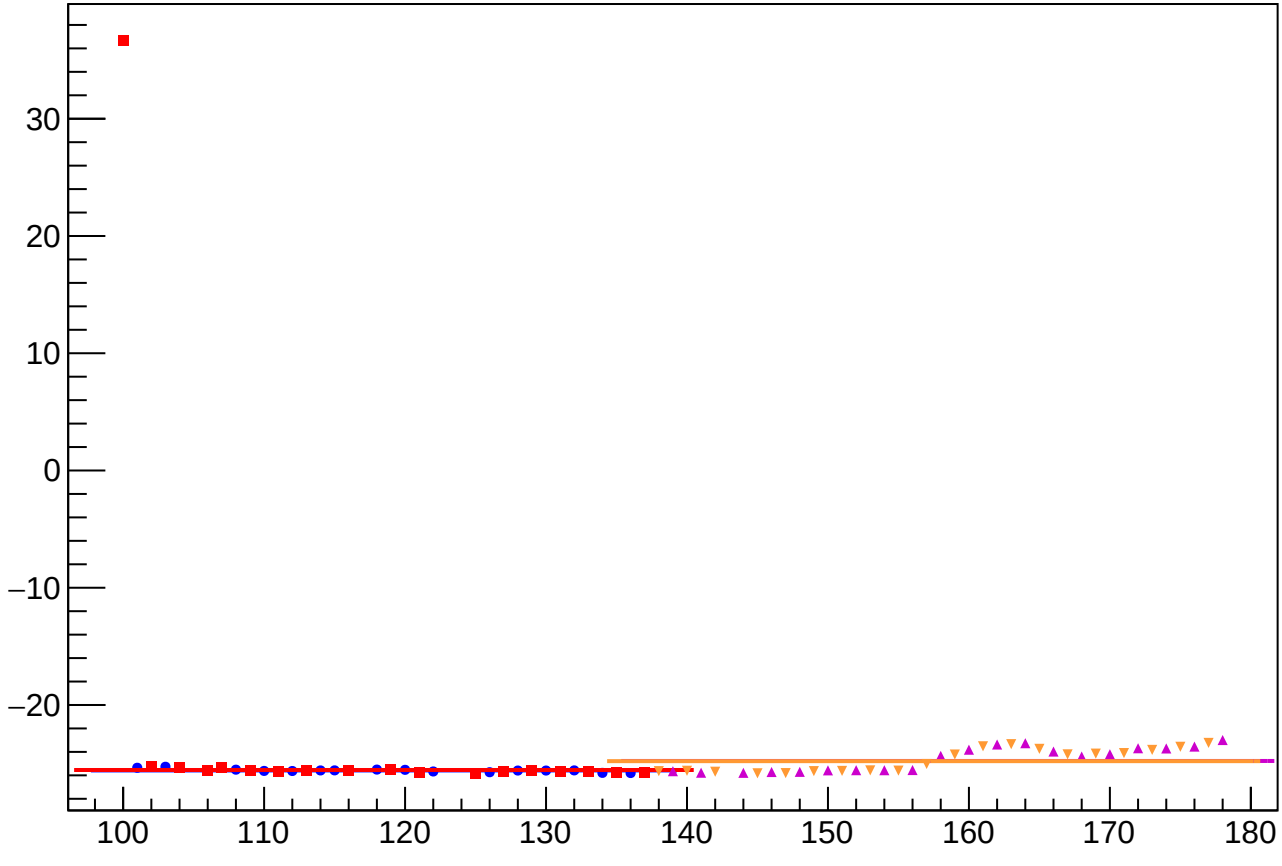
Right: 0.088+/-0.000 χ^2/NDF: 1232875.9/34

In: 0.079+/-0.000 χ^2/NDF:1181739.0/35

Out: 0.080+/-0.000 χ^2/NDF:1048695.5/39

All: 0.080+/-0.000 χ^2/NDF: 2235168.7/75

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: -24.774+/-0.000 χ^2/NDF:8013335082.7/19

Left: -24.782+/-0.000 χ^2/NDF: 14885207518.6/39

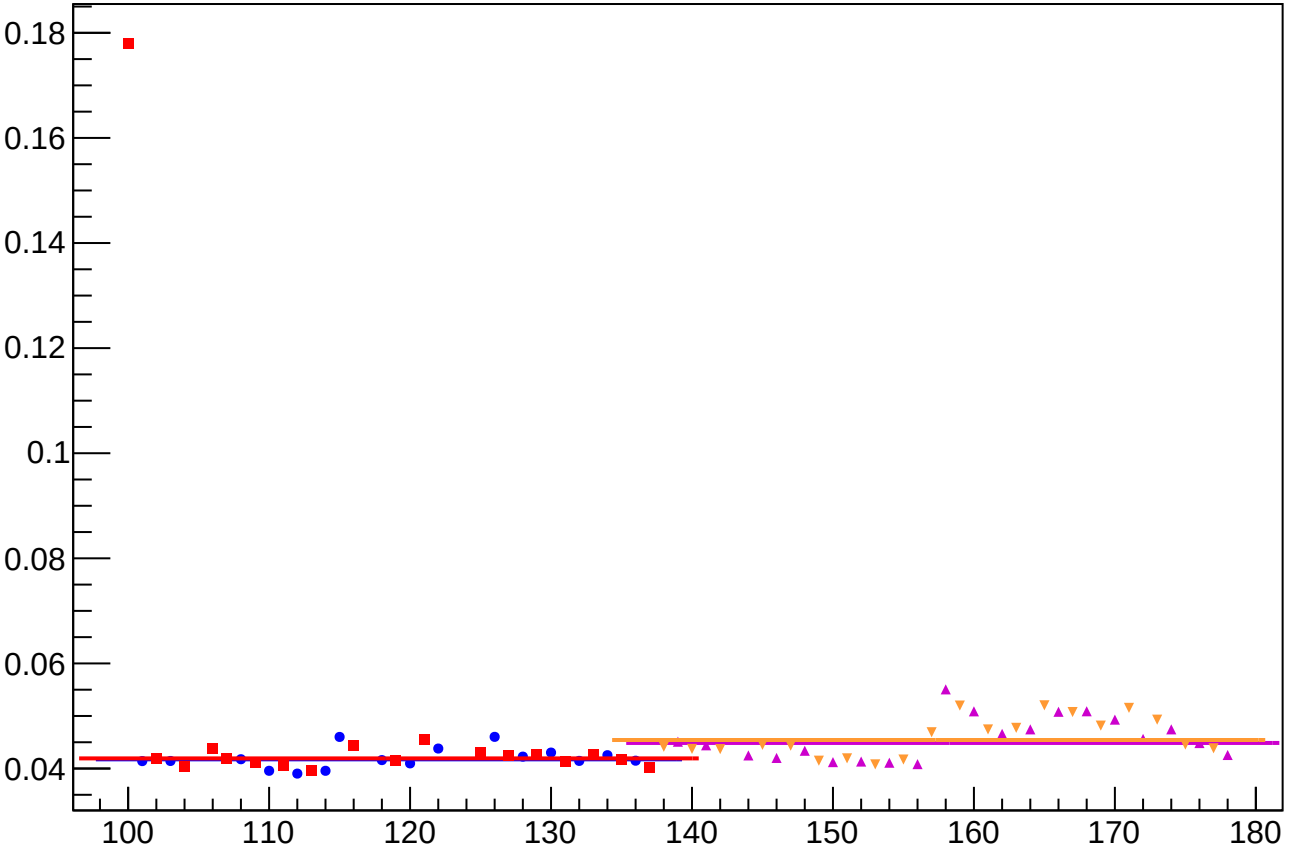
Right: -25.561+/-0.000 χ^2/NDF: 9008481743.9/33

In: -25.050+/-0.000 χ^2/NDF:9862800603.0/35

Out: -25.058+/-0.000 χ^2/NDF:17287847264.8/37

All: -25.054+/-0.000 χ^2/NDF: 27151031298.3

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.042+/-0.000 χ^2/NDF: 20733.3/15

Left Out: 0.045+/-0.000 χ^2/NDF:177049.1/19

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

Left In: 0.045+/-0.000 χ^2/NDF:220812.5/19

Left: 0.045+/-0.000 χ^2/NDF: 400265.8/39

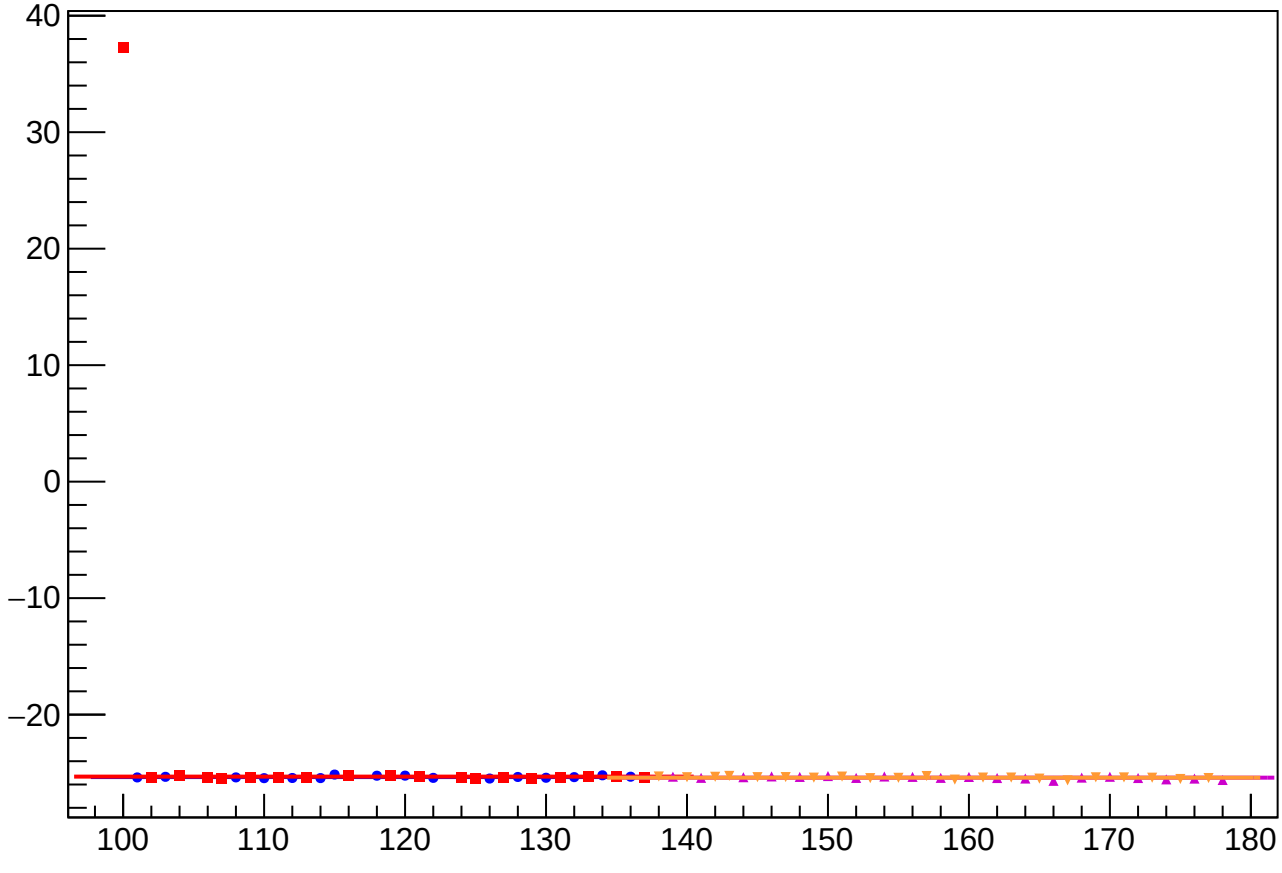
Right: 0.042+/-0.000 χ^2/NDF: 121007.1/33

In: 0.044+/-0.000 χ^2/NDF:294145.9/35

Out: 0.044+/-0.000 χ^2/NDF:342158.6/37

All: 0.044+/-0.000 χ^2/NDF: 638036.9/73

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: -25.413+/-0.000 χ^2/NDF:54572356.8/19

Left: -25.412+/-0.000 χ^2/NDF: 100933672.5/40

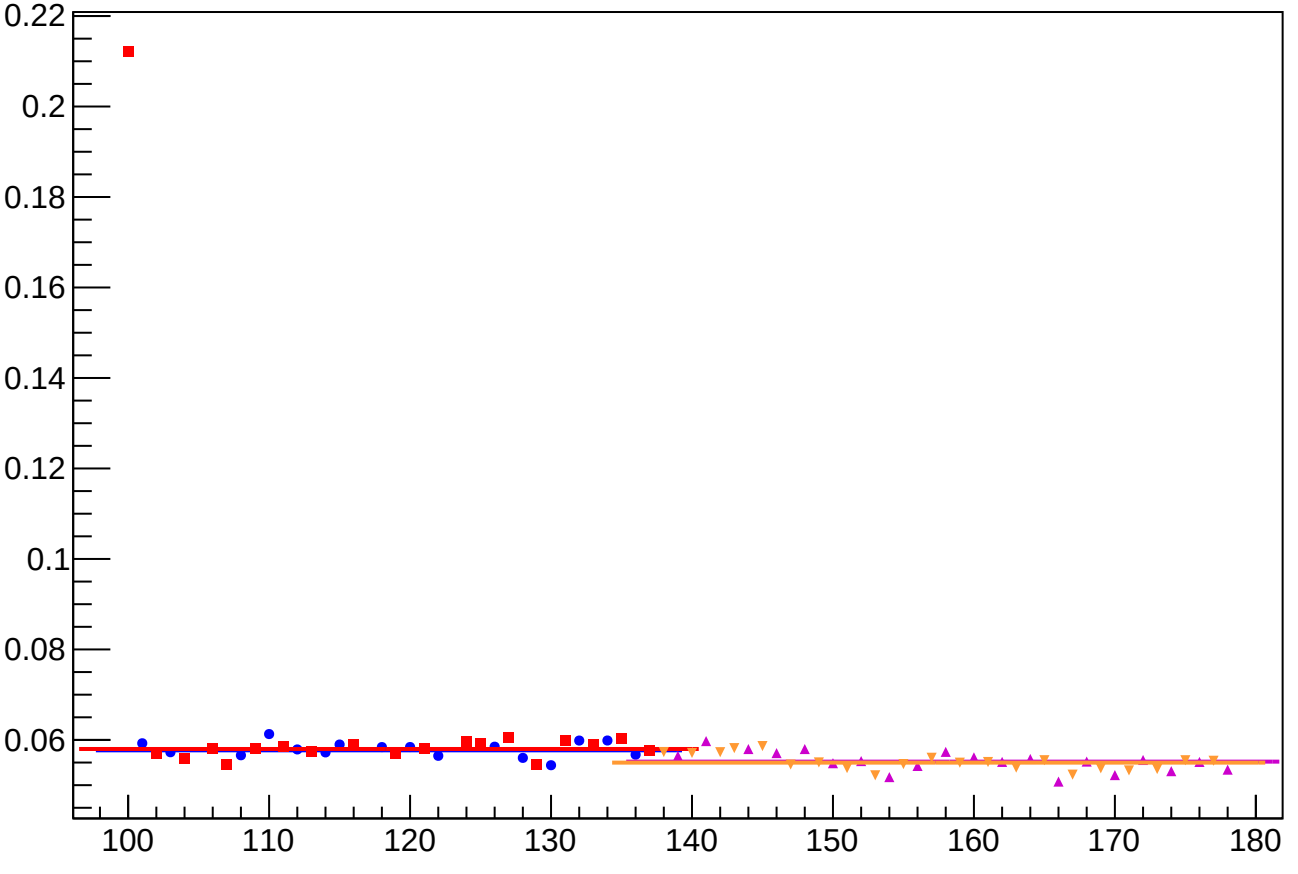
Right: -25.341+/-0.000 χ^2/NDF: 6329738520.5/34

In: -25.398+/-0.000 χ^2/NDF:71962908.5/35

Out: -25.386+/-0.000 χ^2/NDF:6373710682.9/39

All: -25.392+/-0.000 χ^2/NDF: 6446140921.6/

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:49057.8/19

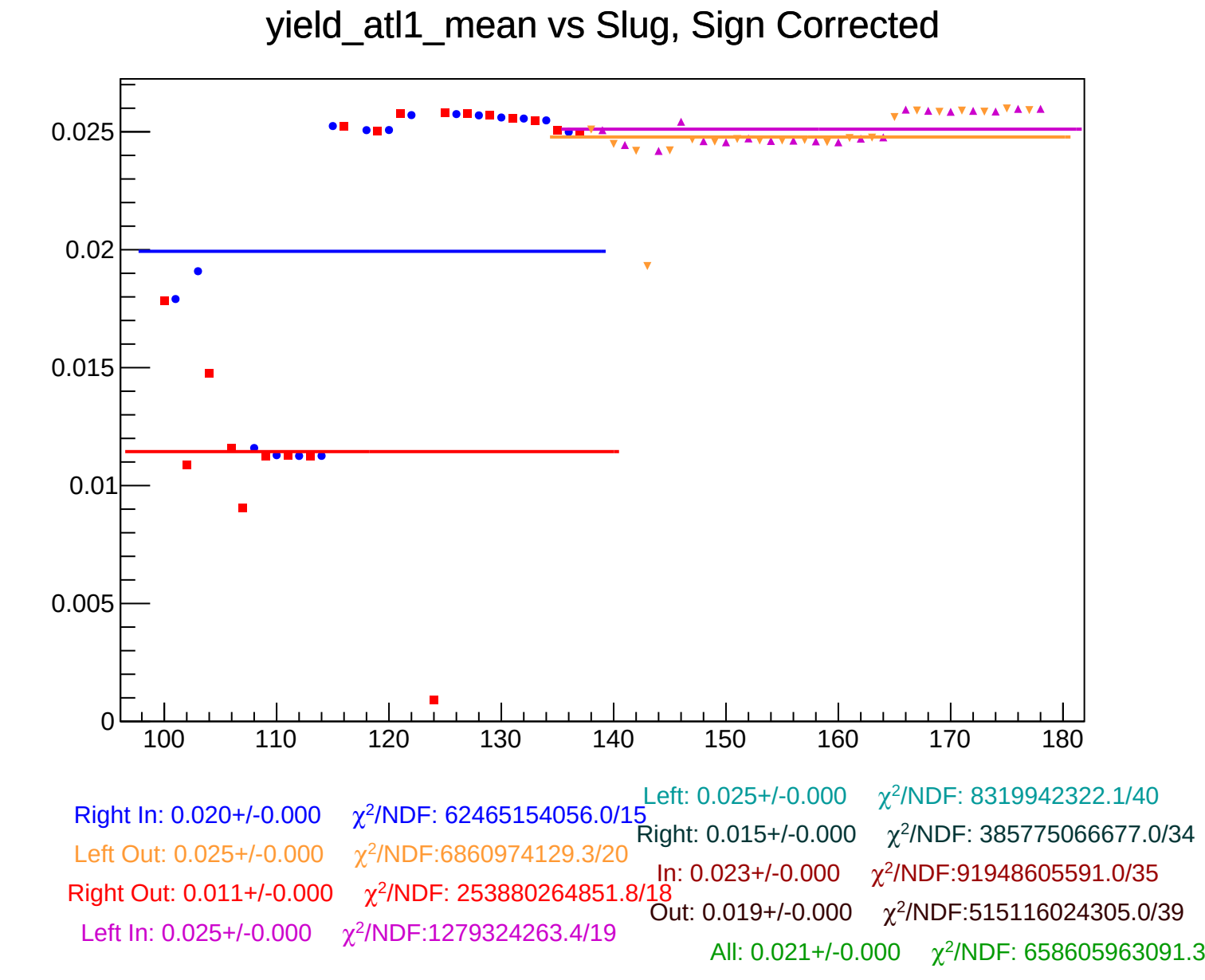
Left: 0.055+/-0.000 χ^2/NDF: 81066.9/40

Right: 0.058+/-0.000 χ^2/NDF: 100633.0/34

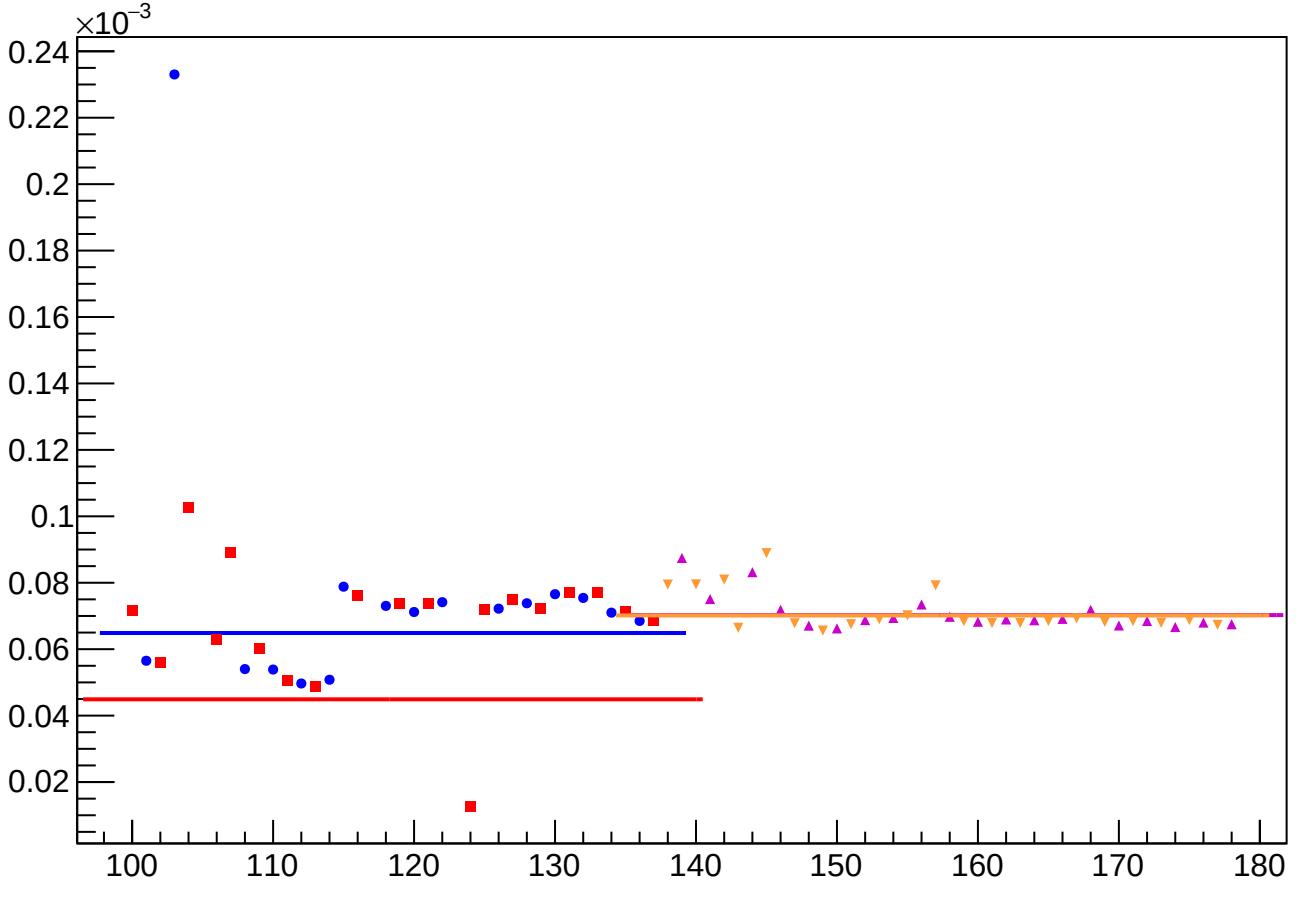
In: 0.056+/-0.000 χ^2/NDF:79453.6/35

Out: 0.056+/-0.000 χ^2/NDF:148231.3/39

All: 0.056+/-0.000 χ^2/NDF: 227723.6/75


yield_atl1_mean vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
0
100
110
120
130
140
150
160
170
180
Right In: 0.020+/-0.000 χ²/NDF: 62465154056.0/15
Left Out: 0.025+/-0.000 χ²/NDF:6860974129.3/20
Right Out: 0.011+/-0.000 χ²/NDF: 253880264851.8/18
Left In: 0.025+/-0.000 χ²/NDF:1279324263.4/19
Left: 0.025+/-0.000 χ²/NDF: 8319942322.1/40
Right: 0.015+/-0.000 χ²/NDF: 385775066677.0/34
In: 0.023+/-0.000 χ²/NDF:91948605591.0/35
Out: 0.019+/-0.000 χ²/NDF:515116024305.0/39
All: 0.021+/-0.000 χ²/NDF: 658605963091.3

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 816892.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:178374.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

Left In: 0.000+/-0.000 χ^2/NDF:143885.7/19

Left: 0.000+/-0.000 χ^2/NDF: 322291.7/40

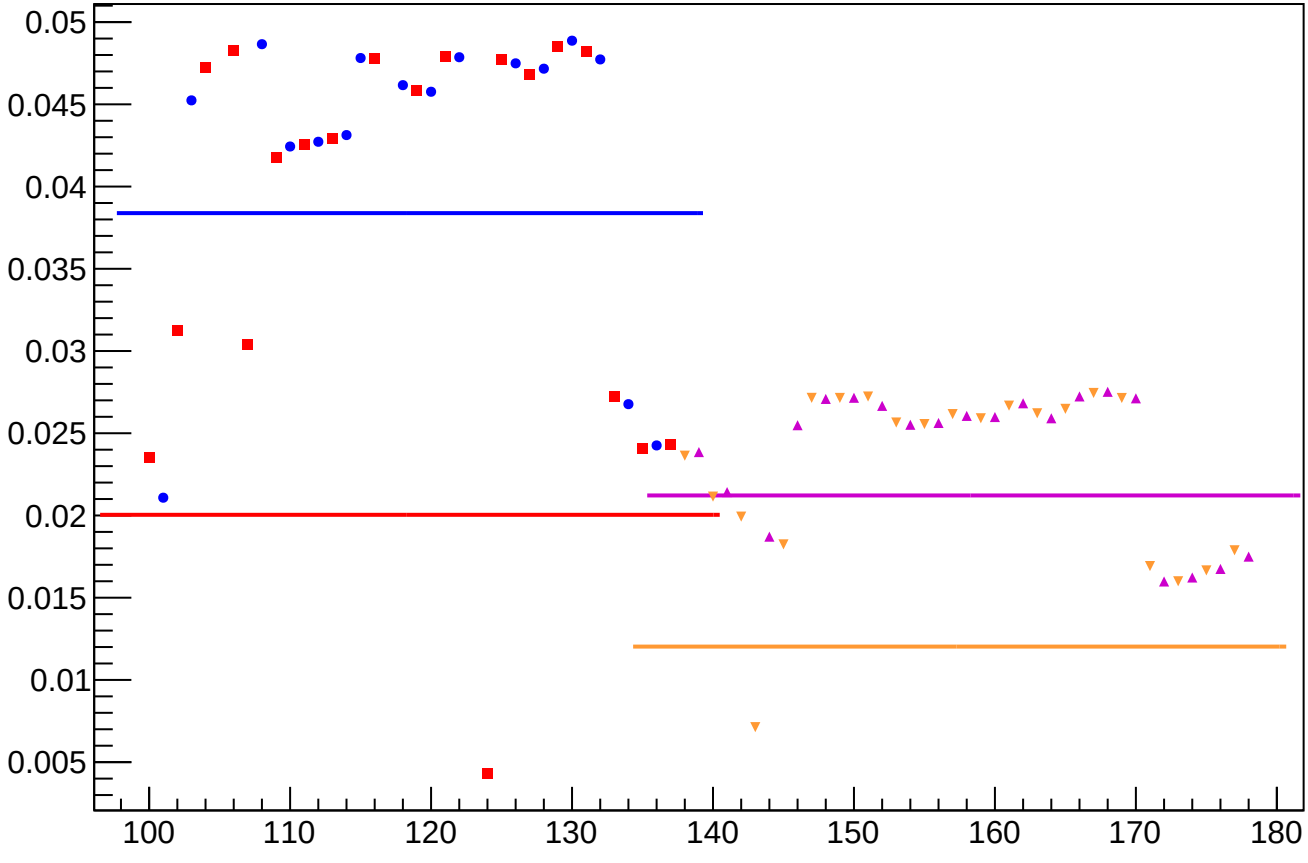
Right: 0.000+/-0.000 χ^2/NDF: 5354969.6/34

In: 0.000+/-0.000 χ^2/NDF:1021933.1/35

Out: 0.000+/-0.000 χ^2/NDF:5773149.0/39

All: 0.000+/-0.000 χ^2/NDF: 7248685.0/75

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: 0.021+/-0.000 χ^2/NDF:5347763263.6/19

Left: 0.014+/-0.000 χ^2/NDF: 55406363687.2/40

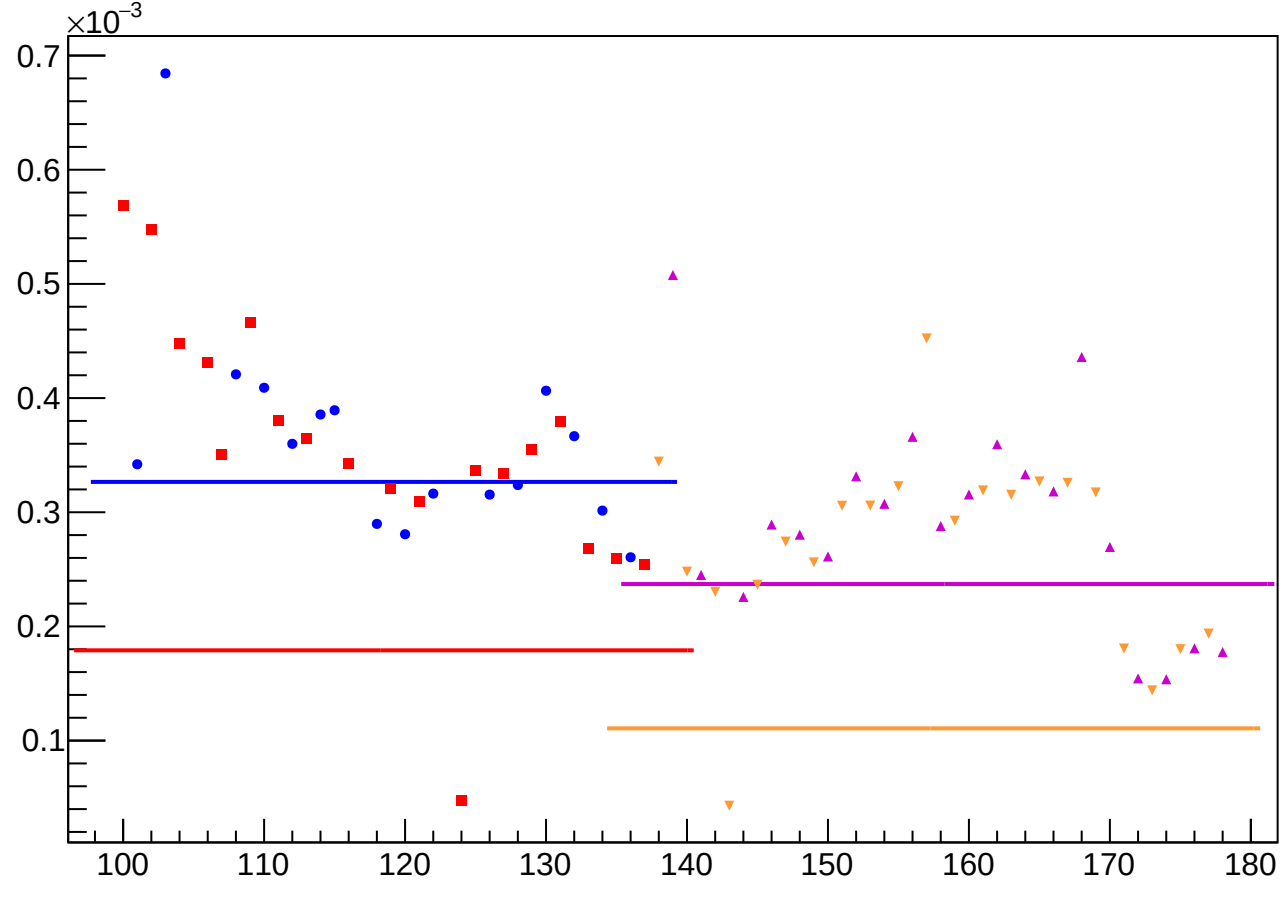
Right: 0.026+/-0.000 χ^2/NDF: 62680347103.1/34

In: 0.025+/-0.000 χ^2/NDF:26415593432.2/35

Out: 0.013+/-0.000 χ^2/NDF:83993966628.0/39

All: 0.016+/-0.000 χ^2/NDF: 138316103313.0

yield_atl2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:13828572.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2974056.7/19

Left: 0.000+/-0.000 χ^2/NDF: 22429960.6/40

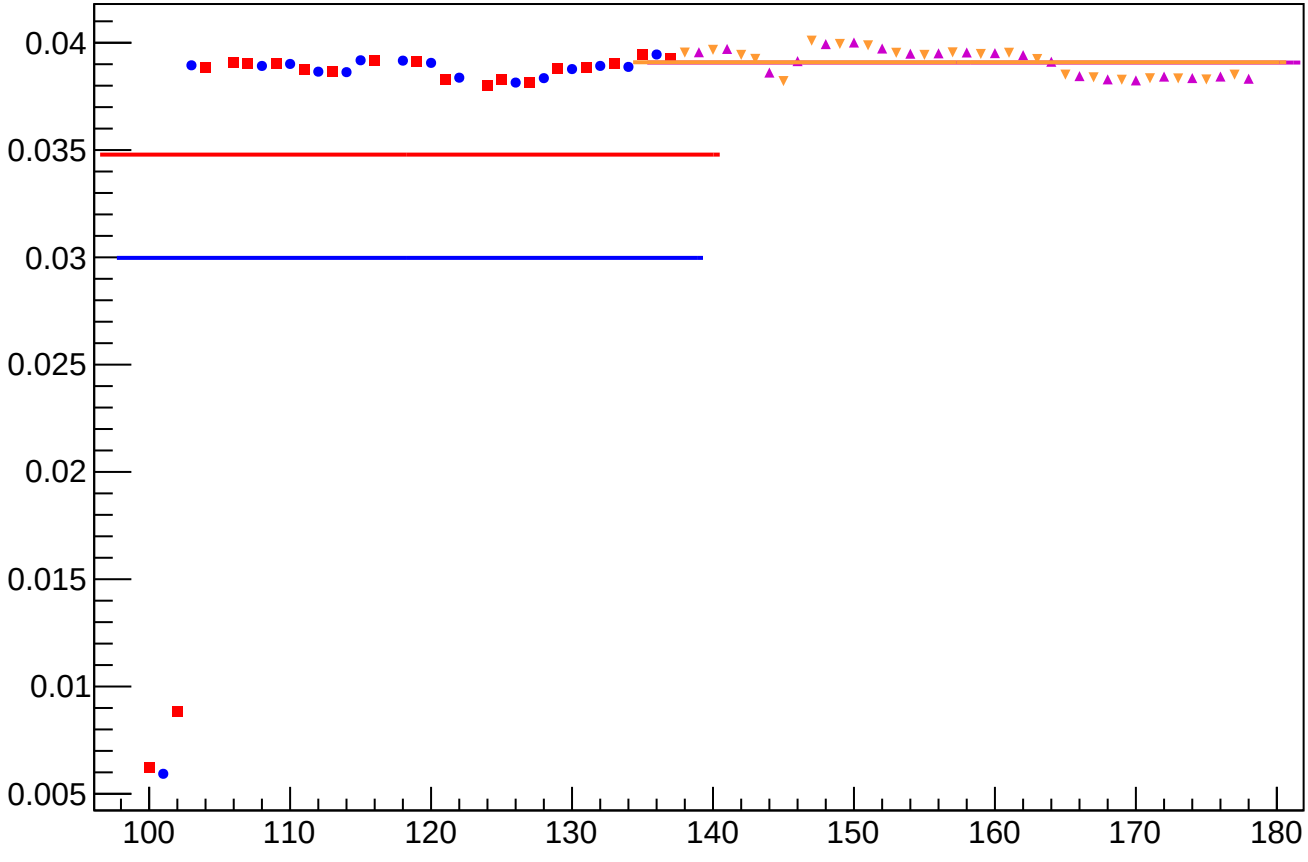
Right: 0.000+/-0.000 χ^2/NDF: 7977614.8/34

In: 0.000+/-0.000 χ^2/NDF:4314871.9/35

Out: 0.000+/-0.000 χ^2/NDF:20452263.7/39

All: 0.000+/-0.000 χ^2/NDF: 32491778.5/75

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:357800244.1/19

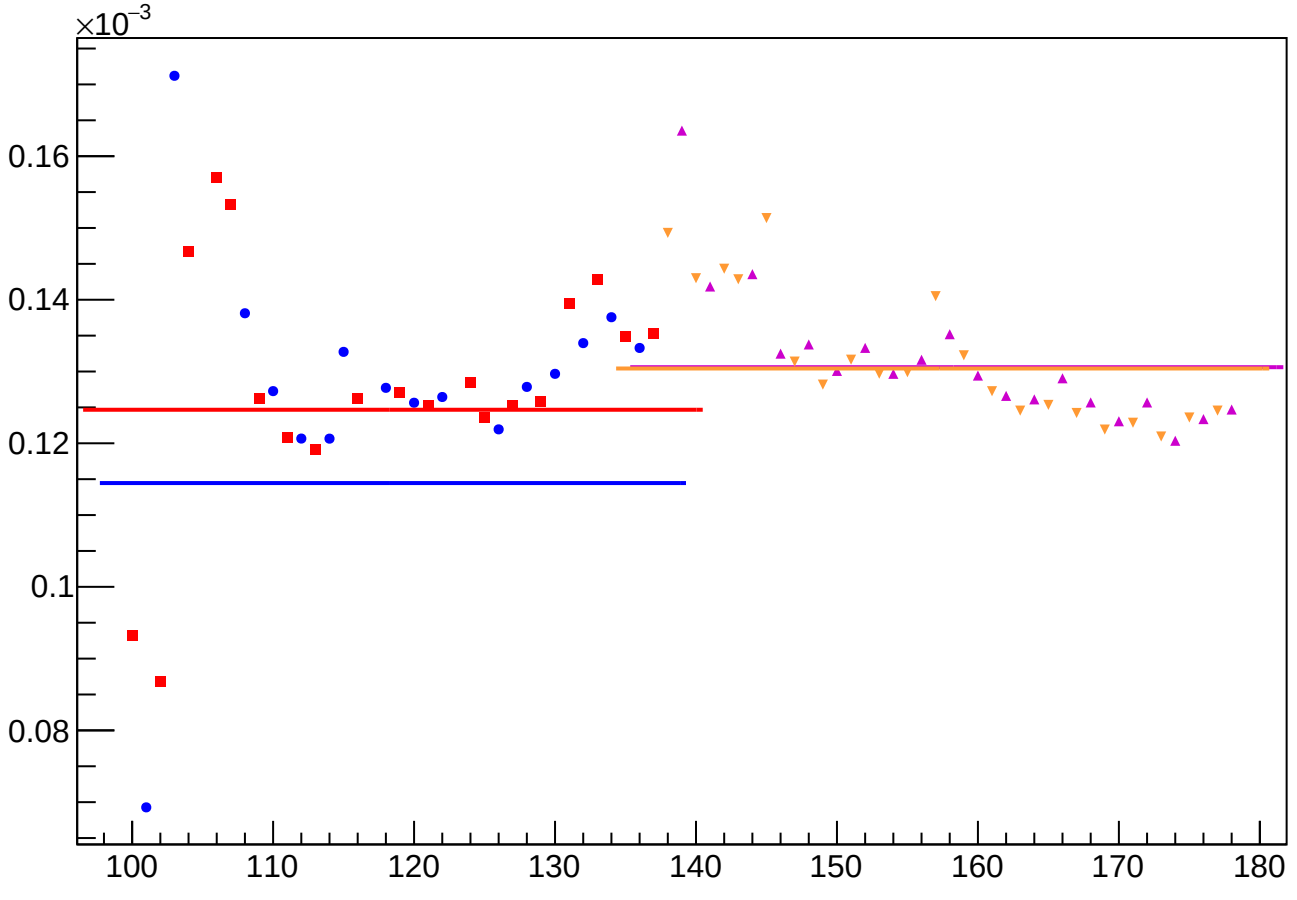
Left: 0.039+/-0.000 χ^2/NDF: 747824978.1/40

Right: 0.032+/-0.000 χ^2/NDF: 161037517780.6/34

In: 0.036+/-0.000 χ^2/NDF:135857432652.3/35

Out: 0.038+/-0.000 χ^2/NDF:53278428359.9/39

All: 0.037+/-0.000 χ^2/NDF: 191558905858.0



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:130412.9/19

Left: 0.000+/-0.000 χ^2/NDF: 267902.9/40

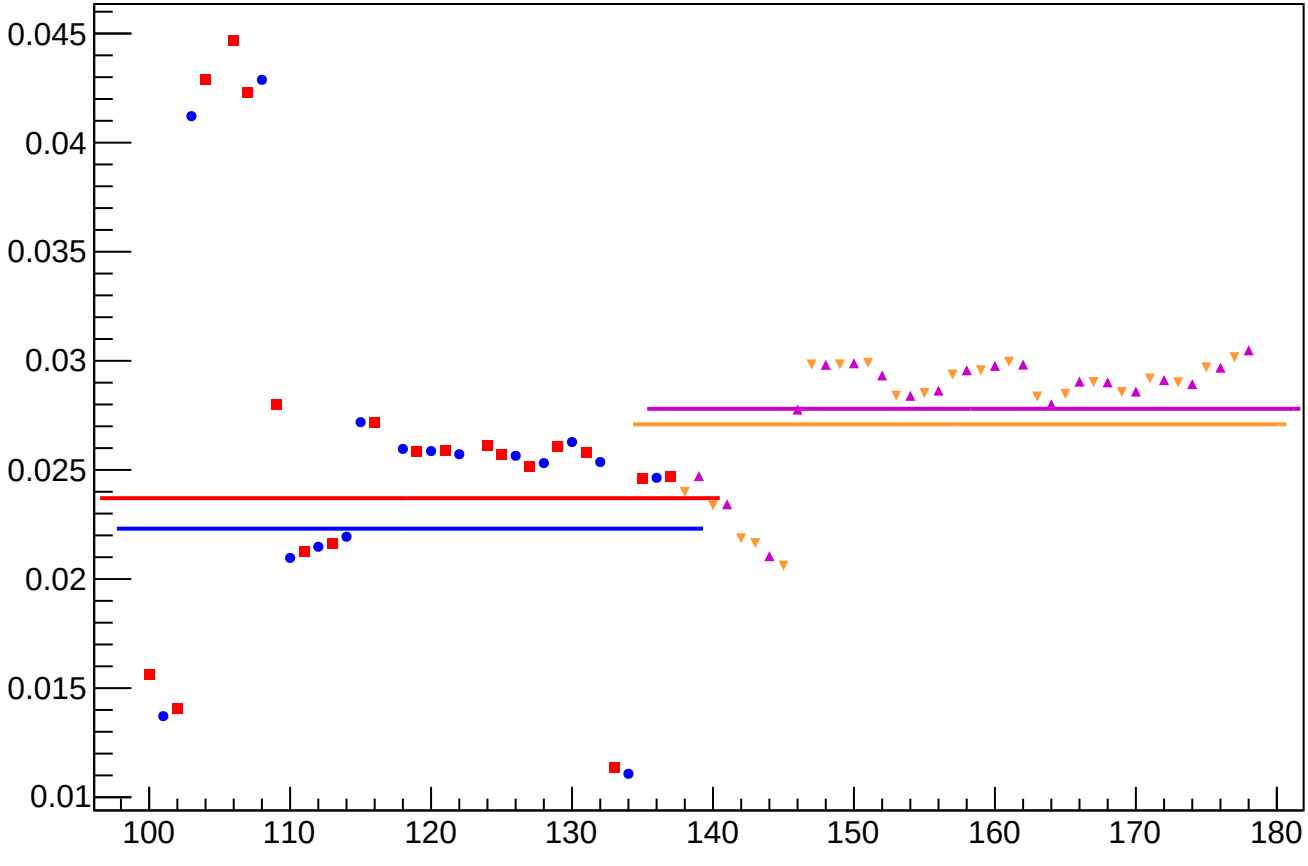
Right: 0.000+/-0.000 χ^2/NDF: 1163063.5/34

In: 0.000+/-0.000 χ^2/NDF:1154825.3/35

Out: 0.000+/-0.000 χ^2/NDF:417933.8/39

All: 0.000+/-0.000 χ^2/NDF: 1591908.0/75

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:1407135140.2/19

Left: 0.027+/-0.000 χ^2/NDF: 3532497157.1/40

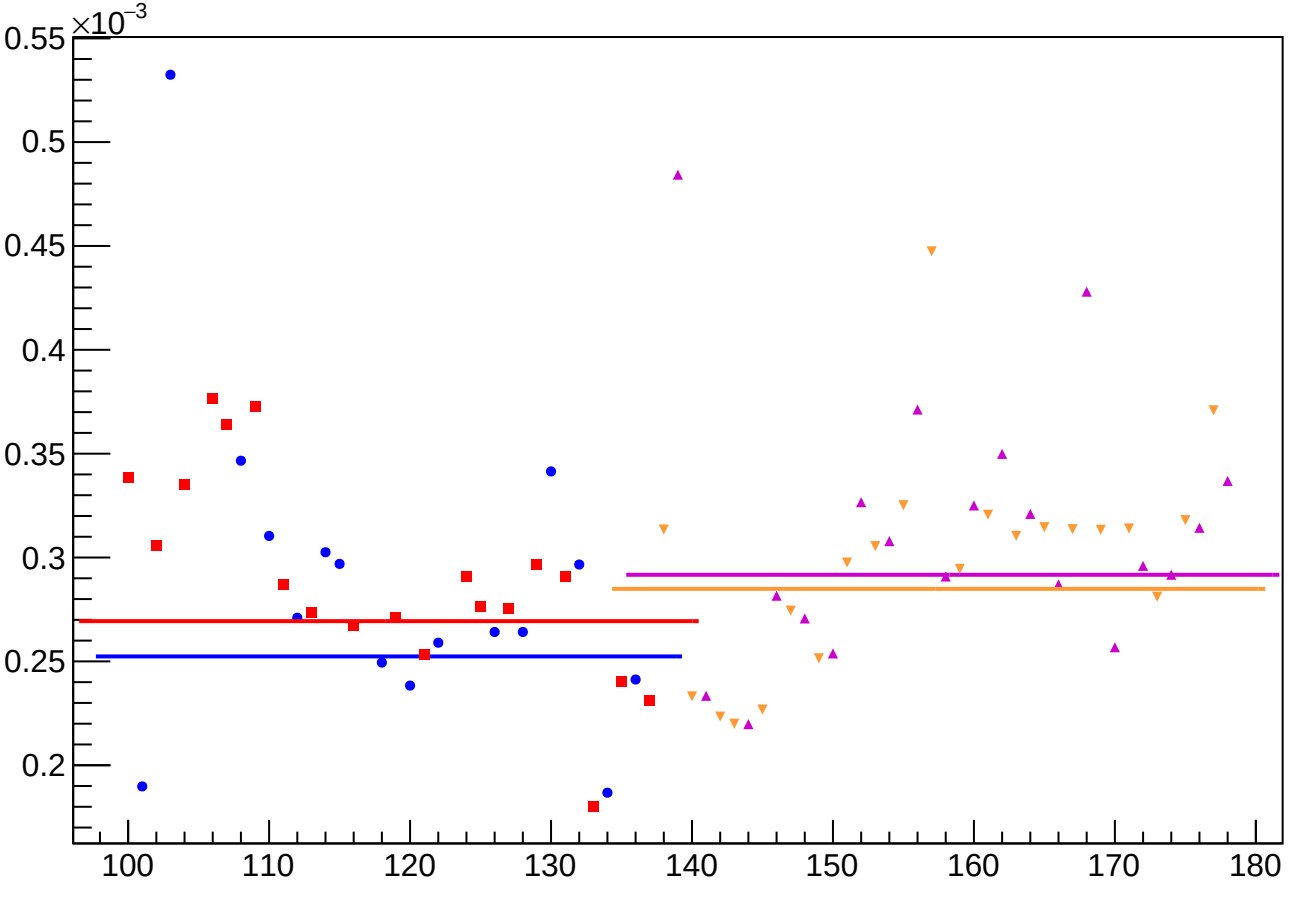
Right: 0.023+/-0.000 χ^2/NDF: 10685664717.3/34

In: 0.026+/-0.000 χ^2/NDF:8303928078.4/35

Out: 0.026+/-0.000 χ^2/NDF:8345544196.8/39

All: 0.026+/-0.000 χ^2/NDF: 16653202529.4/7

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:958283.0/19

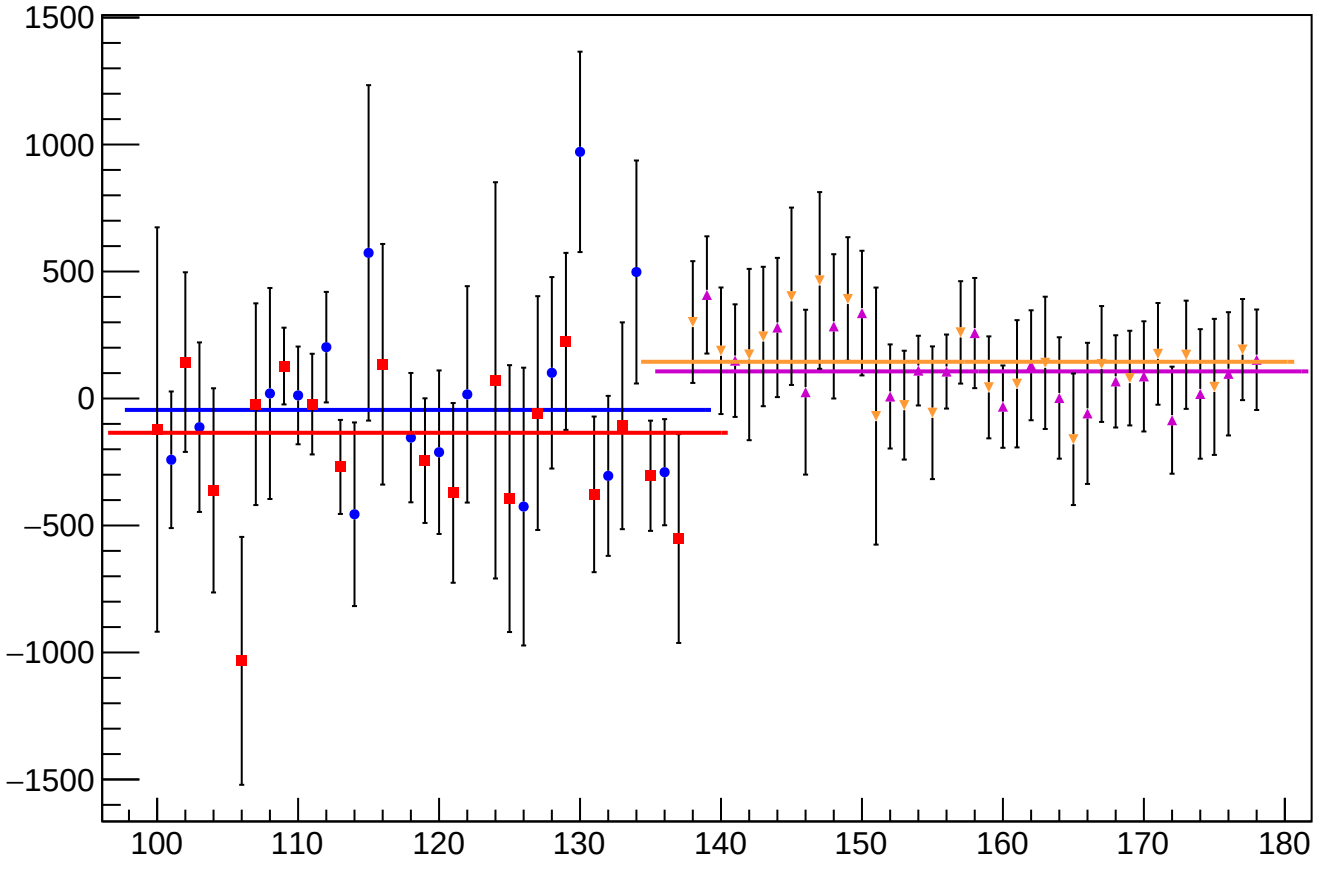
Left: 0.000+/-0.000 χ^2/NDF: 1724661.0/40

Right: 0.000+/-0.000 χ^2/NDF: 1181187.1/34

In: 0.000+/-0.000 χ^2/NDF:1859069.8/35

Out: 0.000+/-0.000 χ^2/NDF:1233482.3/39

All: 0.000+/-0.000 χ^2/NDF: 3094076.5/75



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: 106.754+/-46.732 χ^2/NDF:6.5/19

Left: 123.370+/-35.000 χ^2/NDF: 13.7/40

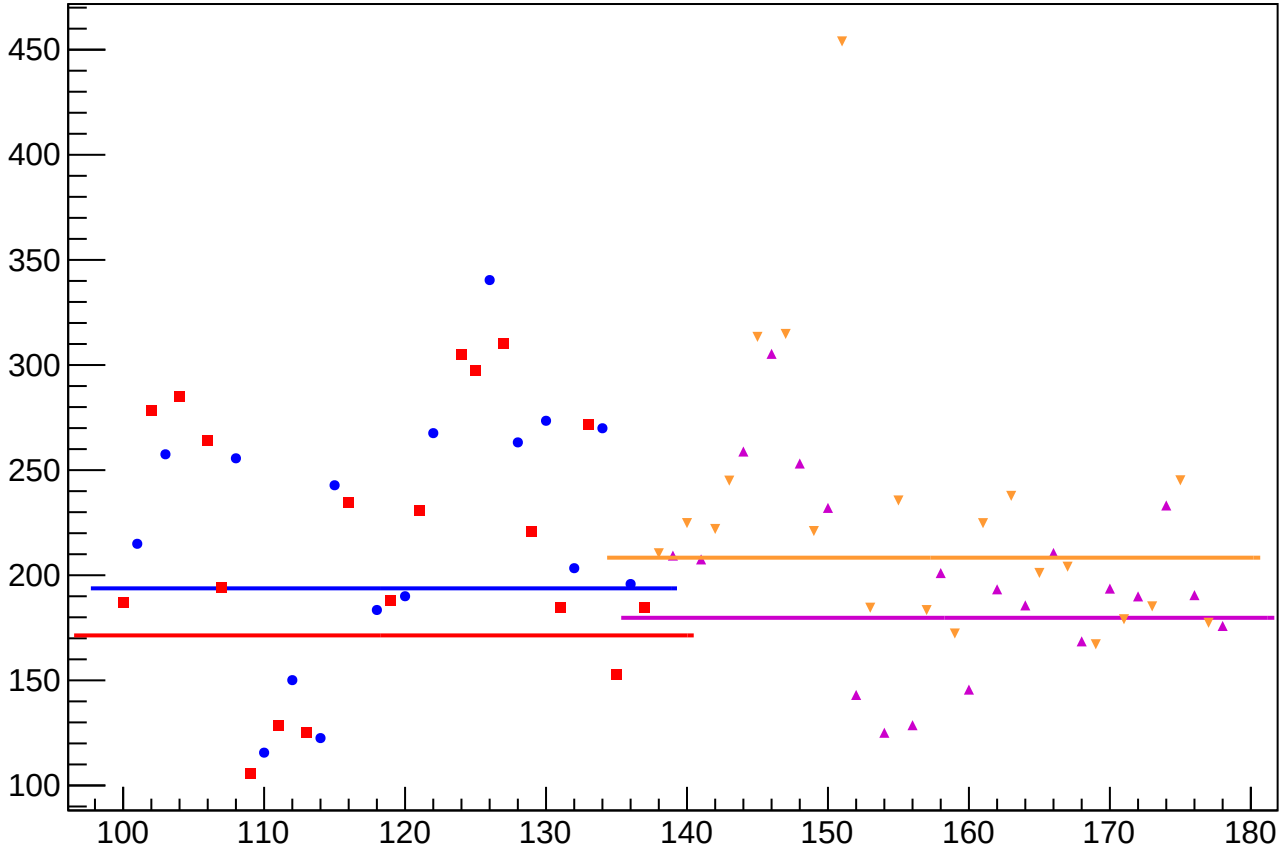
Right: -95.021+/-50.761 χ^2/NDF: 29.2/34

In: 65.299+/-39.837 χ^2/NDF:24.9/35

Out: 39.498+/-41.729 χ^2/NDF:30.3/39

All: 52.997+/-28.815 χ^2/NDF: 55.4/75

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: 179.756+/-0.033 χ^2/NDF:1636308.6/19

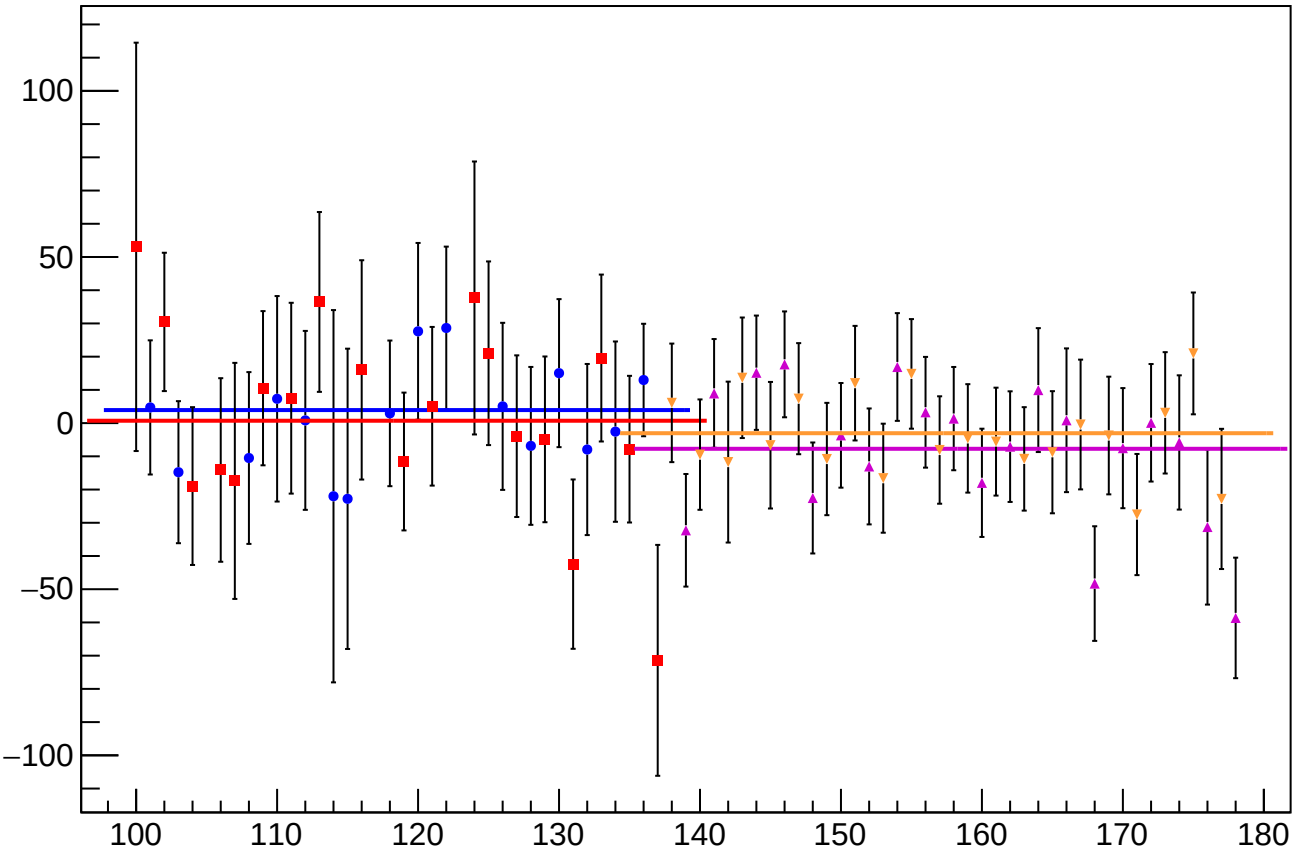
Left: 192.313+/-0.025 χ^2/NDF: 3285551.0/40

Right: 181.316+/-0.036 χ^2/NDF: 2802189.0/34

In: 183.585+/-0.028 χ^2/NDF:2733549.9/35

Out: 194.459+/-0.030 χ^2/NDF:3346771.5/39

All: 188.770+/-0.020 χ^2/NDF: 6151364.5/75



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: -7.732+/-3.884 χ^2/NDF:27.6/19

Left: -5.364+/-2.733 χ^2/NDF: 37.9/40

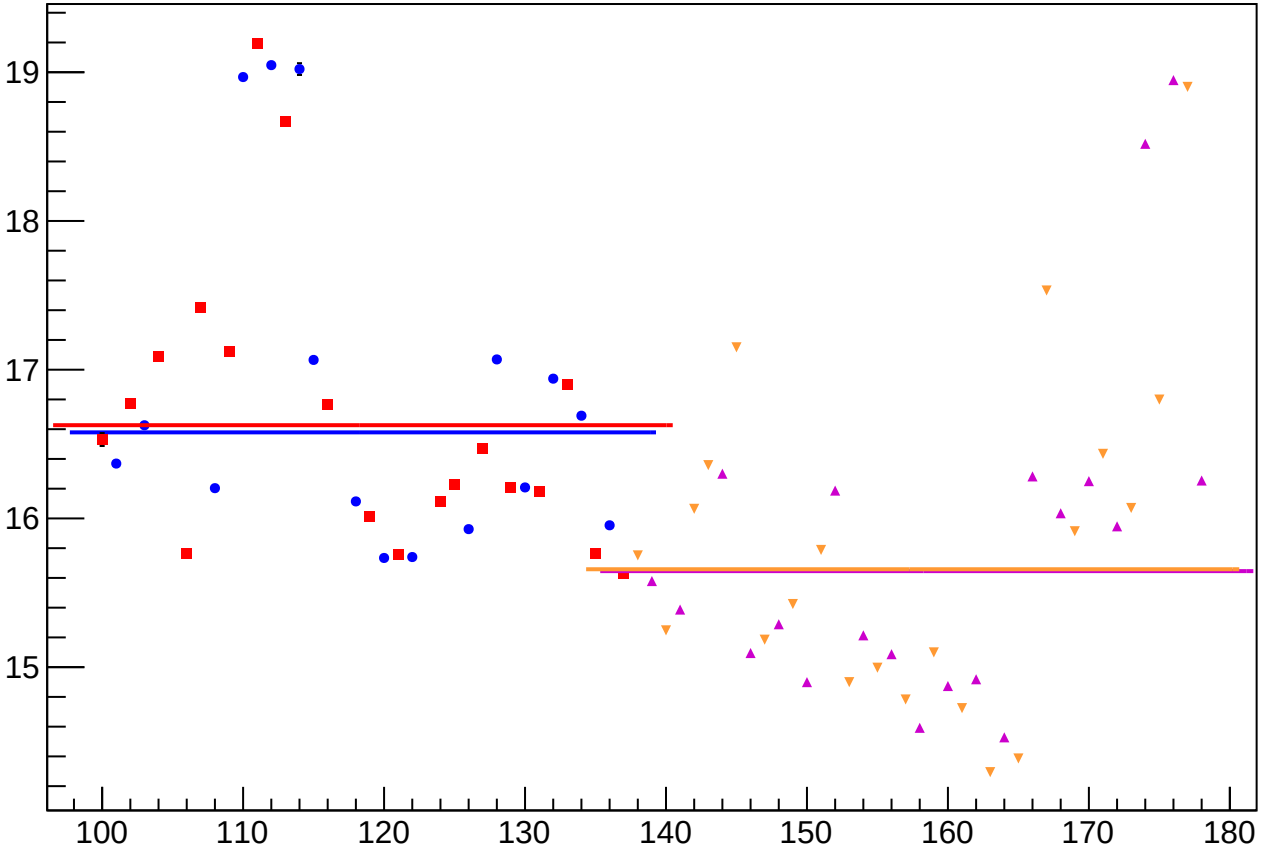
Right: 2.294+/-4.330 χ^2/NDF: 20.5/34

In: -4.426+/-3.287 χ^2/NDF:34.6/35

Out: -1.966+/-3.250 χ^2/NDF:25.8/39

All: -3.182+/-2.311 χ^2/NDF: 60.7/75

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.579+/-0.004 χ^2/NDF: 44575.6/15

Left Out: 15.658+/-0.003 χ^2/NDF:144911.4/20

Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.646+/-0.003 χ^2/NDF:129704.9/19

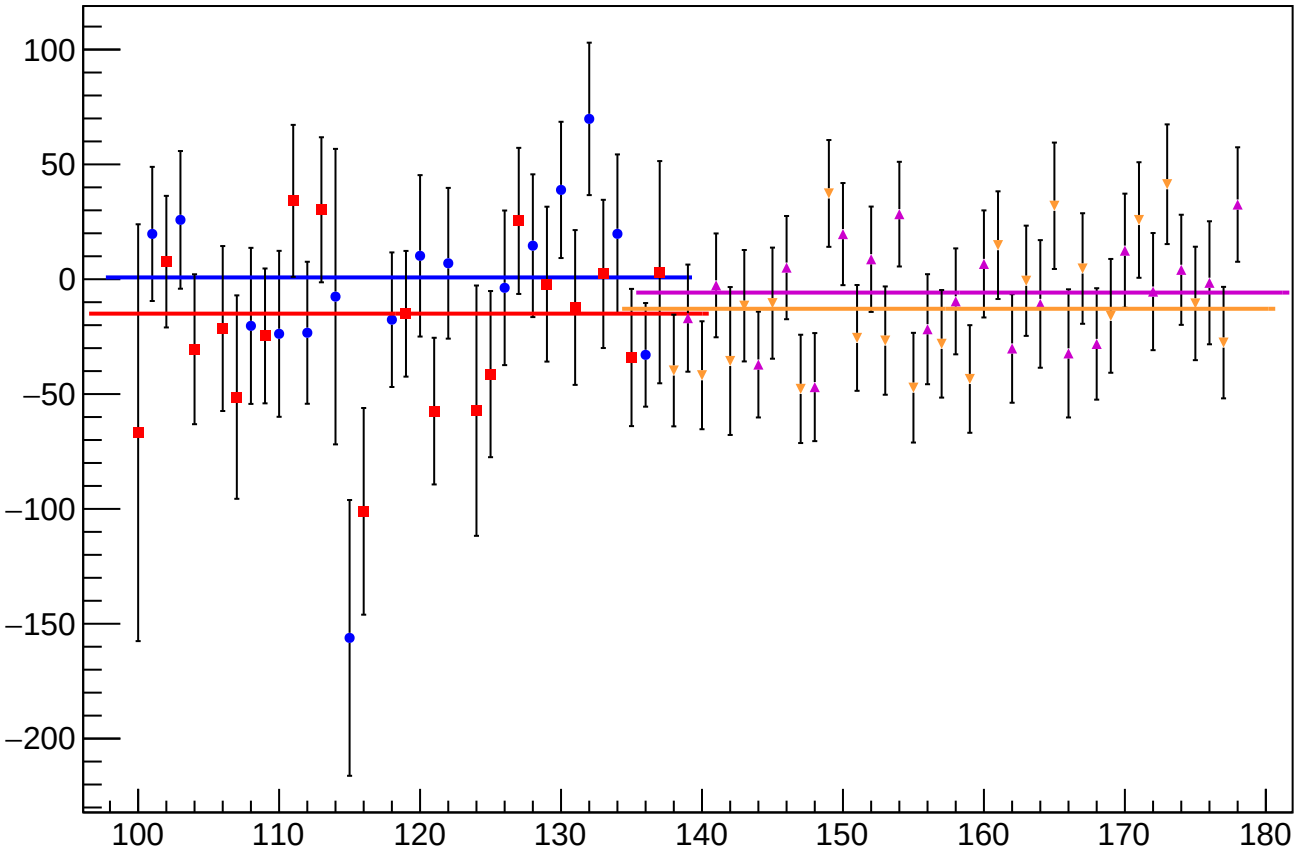
Left: 15.652+/-0.002 χ^2/NDF: 274626.9/40

Right: 16.603+/-0.003 χ^2/NDF: 88099.6/34

In: 15.910+/-0.002 χ^2/NDF:207015.8/35

Out: 15.935+/-0.002 χ^2/NDF:224650.2/39

All: 15.923+/-0.002 χ^2/NDF: 431724.7/75



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: -5.816+/-5.364 χ^2/NDF:16.1/19

Left: -9.365+/-3.780 χ^2/NDF: 43.8/40

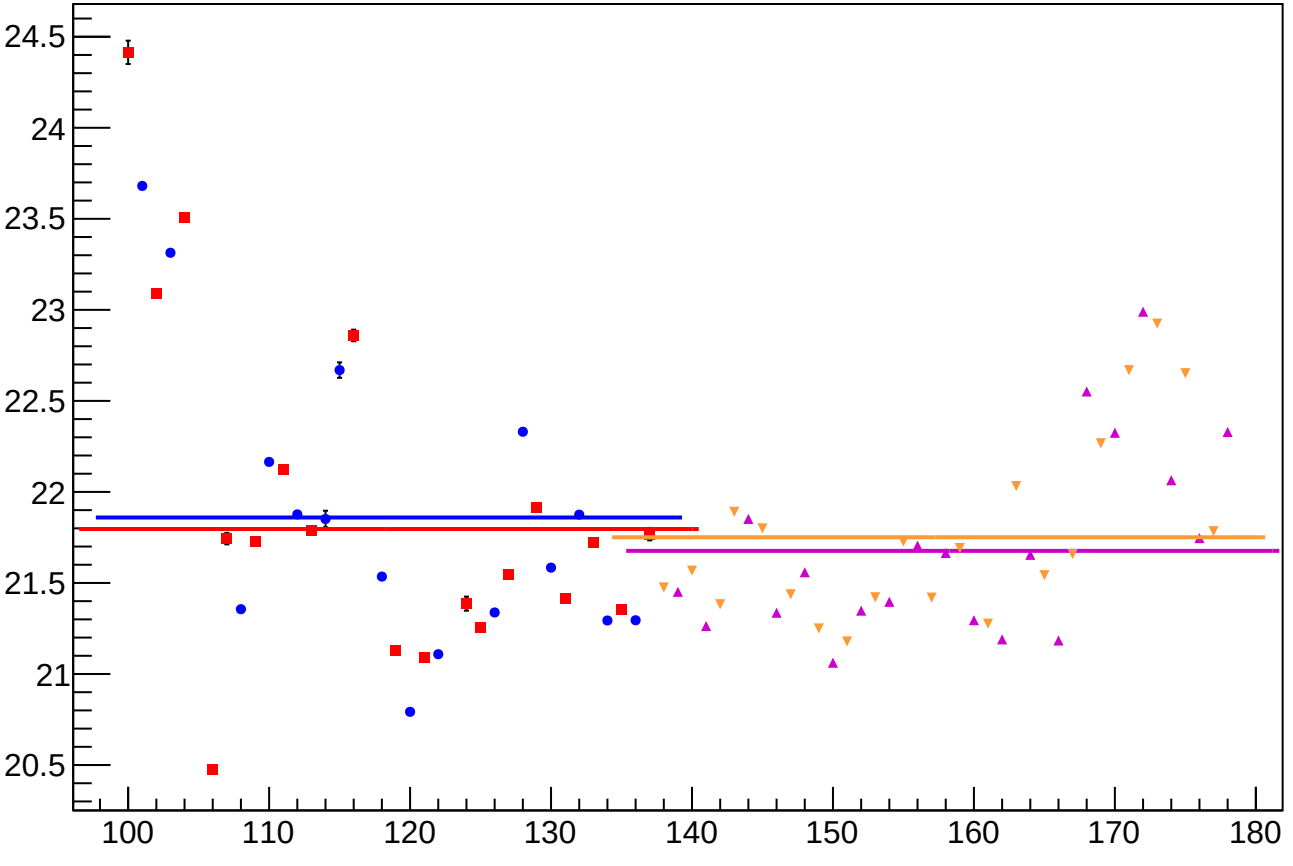
Right: -7.264+/-5.683 χ^2/NDF: 36.0/34

In: -3.811+/-4.476 χ^2/NDF:35.2/35

Out: -13.521+/-4.427 χ^2/NDF:42.3/39

All: -8.720+/-3.148 χ^2/NDF: 79.9/75

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: 21.676+/-0.004 χ^2/NDF:16909.3/19

Left: 21.714+/-0.003 χ^2/NDF: 32629.9/40

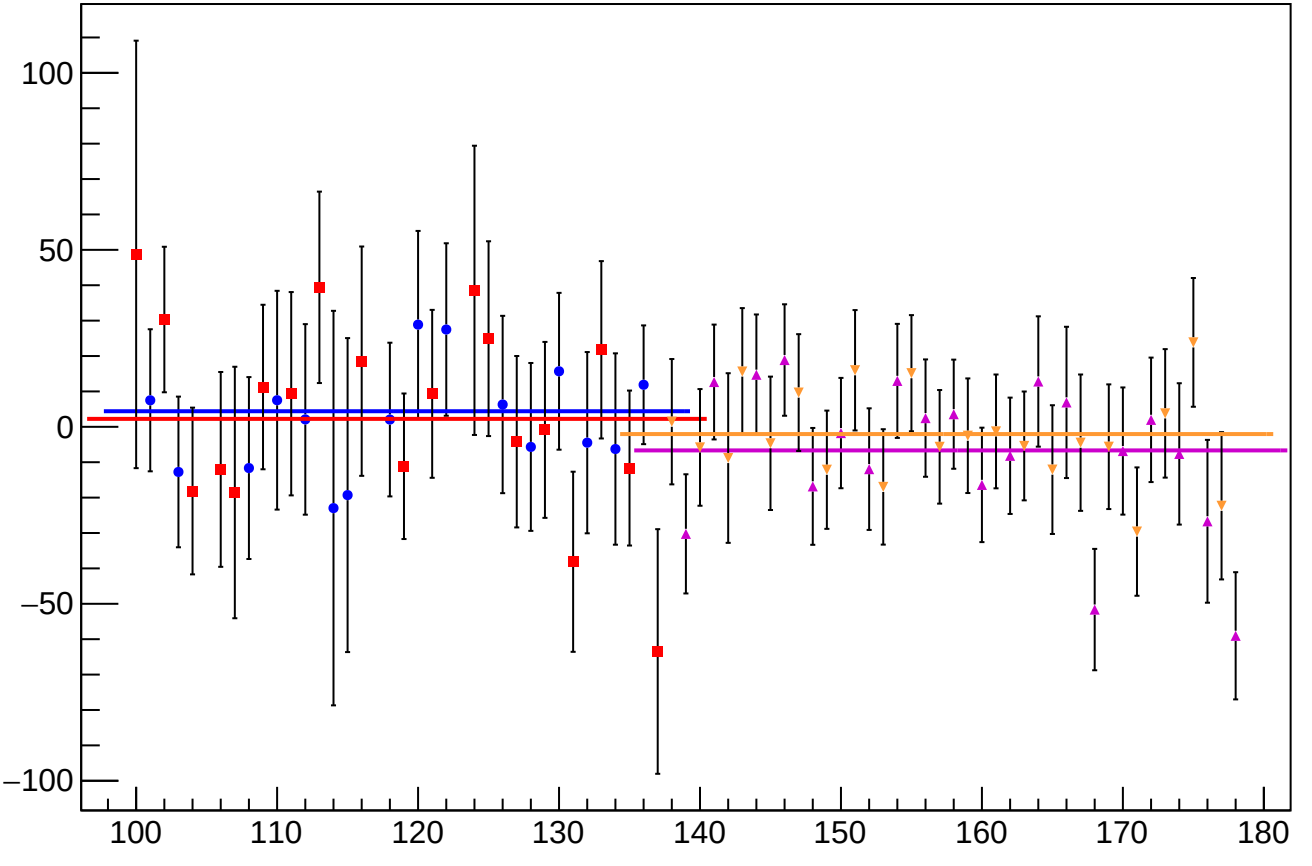
Right: 21.827+/-0.004 χ^2/NDF: 38391.5/34

In: 21.732+/-0.003 χ^2/NDF:37085.9/35

Out: 21.765+/-0.003 χ^2/NDF:34432.4/39

All: 21.749+/-0.002 χ^2/NDF: 71573.2/75

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: -6.665+/-3.847 χ^2/NDF:28.7/19

Left: -4.334+/-2.707 χ^2/NDF: 40.3/40

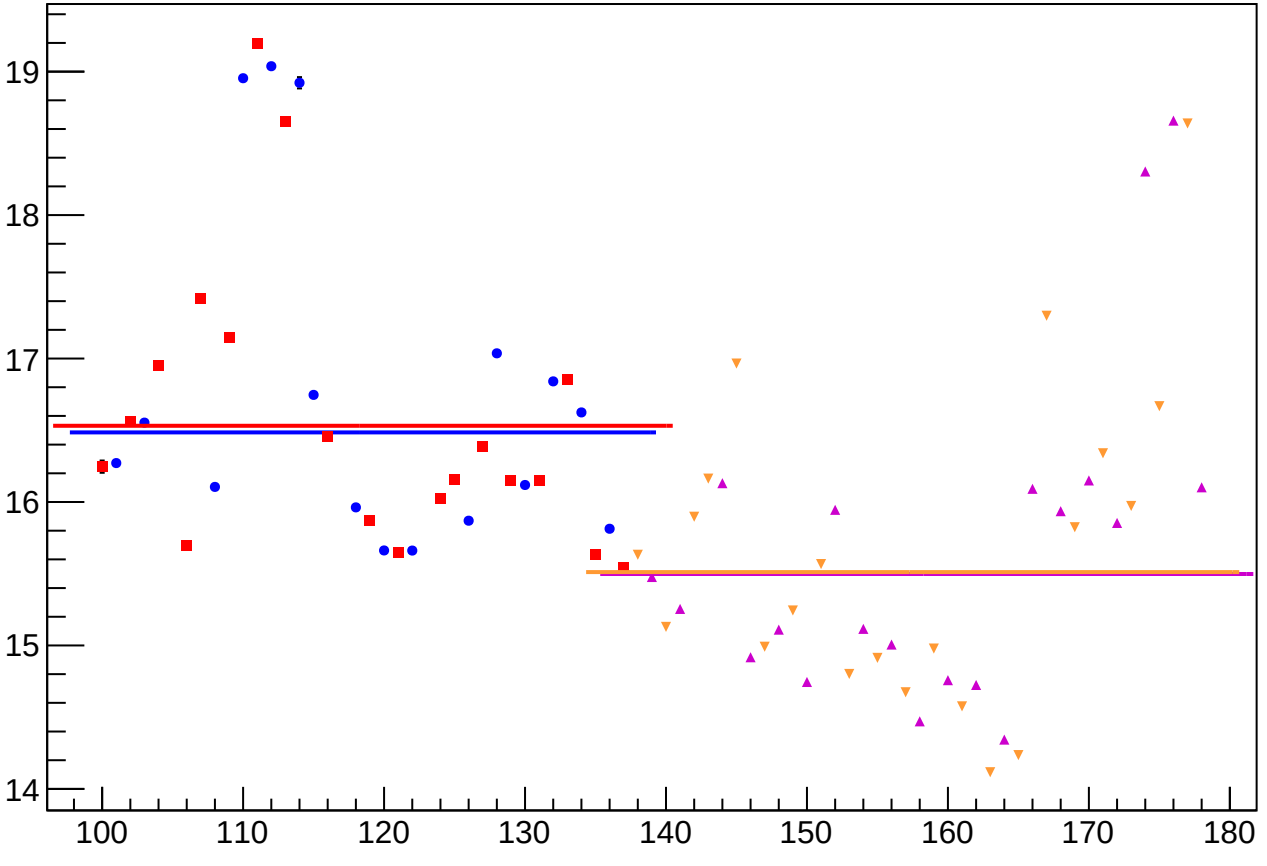
Right: 3.307+/-4.306 χ^2/NDF: 19.7/34

In: -3.543+/-3.259 χ^2/NDF:35.3/35

Out: -0.826+/-3.223 χ^2/NDF:26.7/39

All: -2.169+/-2.292 χ^2/NDF: 62.3/75

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: 15.498+/-0.003 χ^2/NDF:127116.8/19

Left: 15.505+/-0.002 χ^2/NDF: 269612.5/40

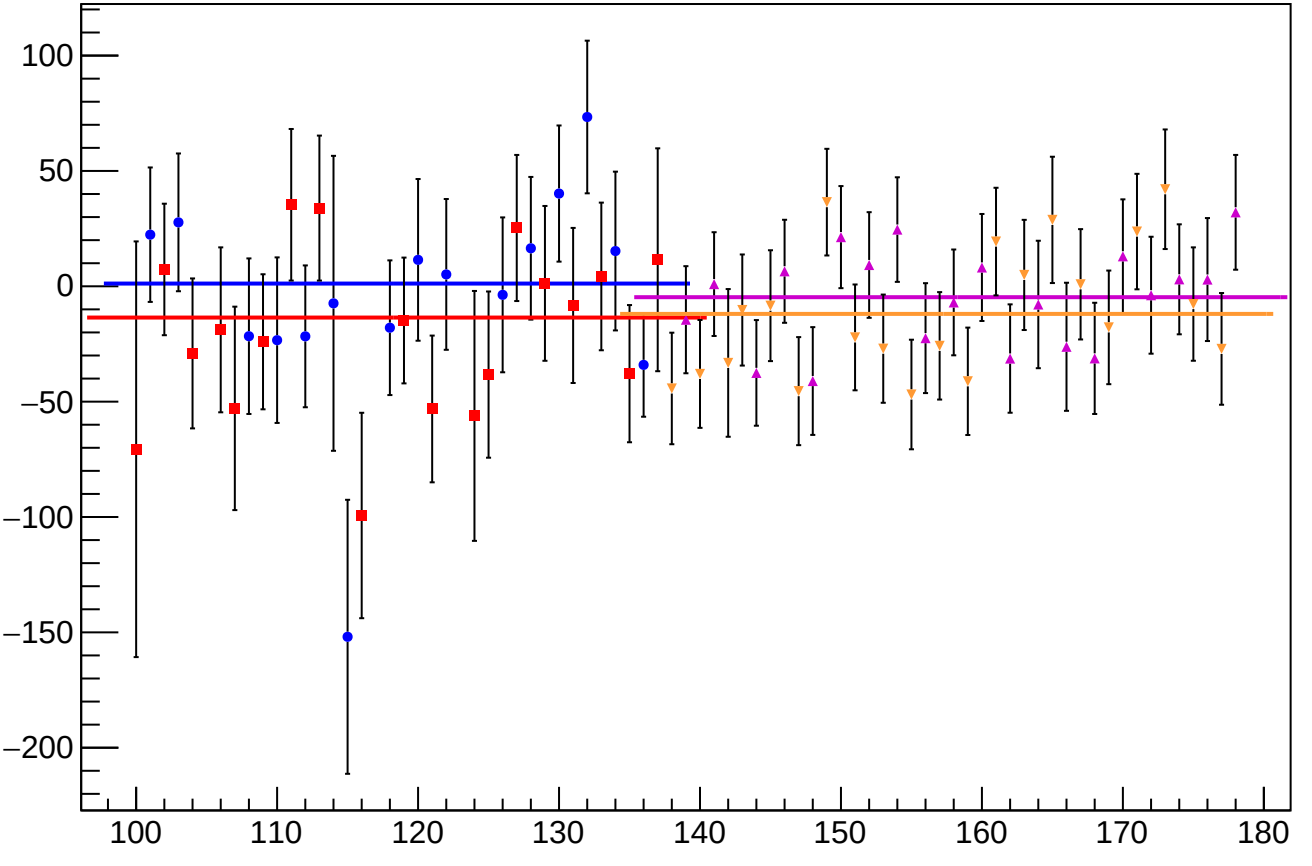
Right: 16.509+/-0.003 χ^2/NDF: 93717.6/34

In: 15.776+/-0.002 χ^2/NDF:211441.7/35

Out: 15.802+/-0.002 χ^2/NDF:229723.7/39

All: 15.789+/-0.002 χ^2/NDF: 441225.4/75

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: -4.722+/-5.336 χ^2/NDF:15.3/19

Left: -8.370+/-3.760 χ^2/NDF: 42.5/40

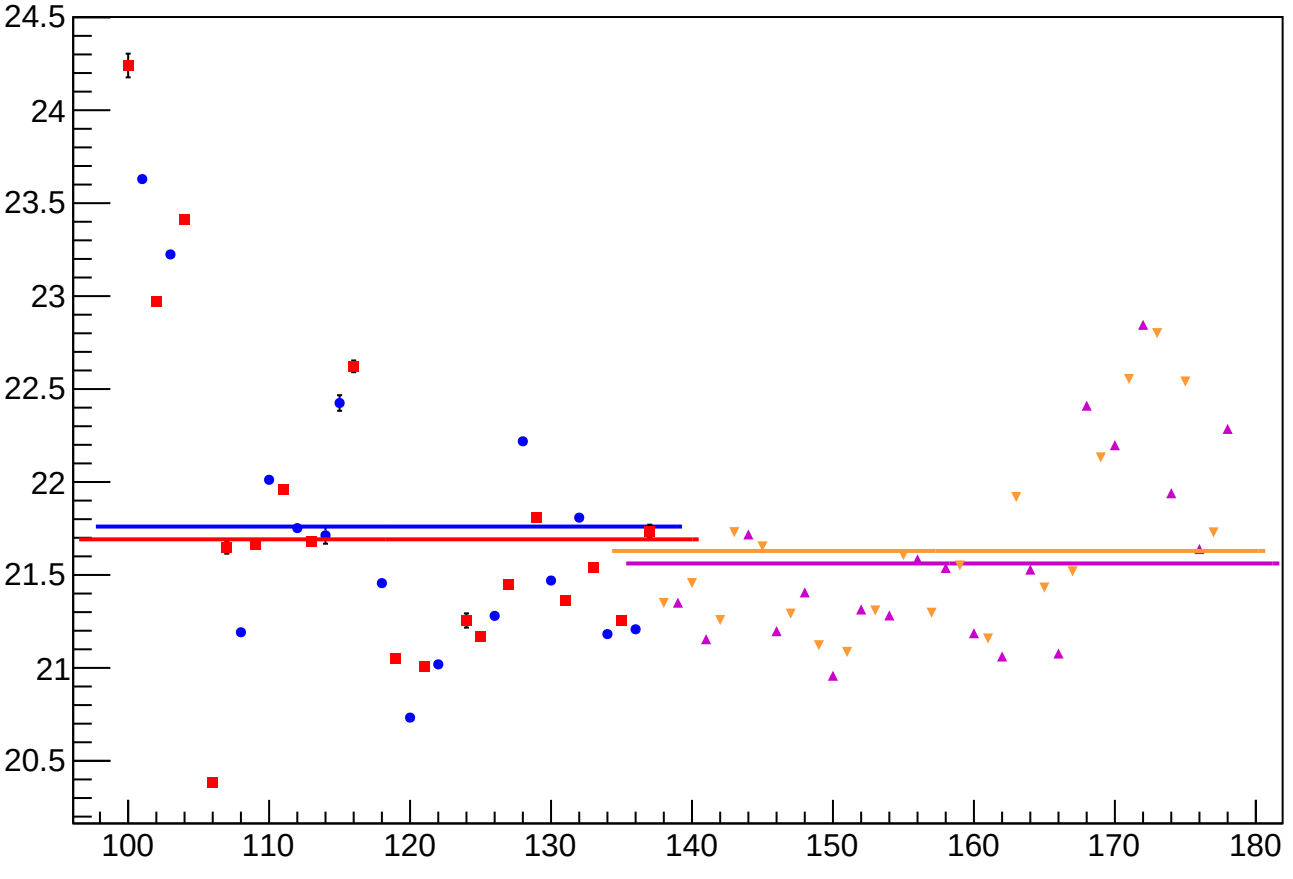
Right: -6.341+/-5.657 χ^2/NDF: 37.0/34

In: -2.931+/-4.454 χ^2/NDF:35.0/35

Out: -12.456+/-4.403 χ^2/NDF:42.3/39

All: -7.748+/-3.131 χ^2/NDF: 79.6/75

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: 21.562+/-0.004 χ^2/NDF:16766.4/19

Left: 21.596+/-0.003 χ^2/NDF: 32608.9/40

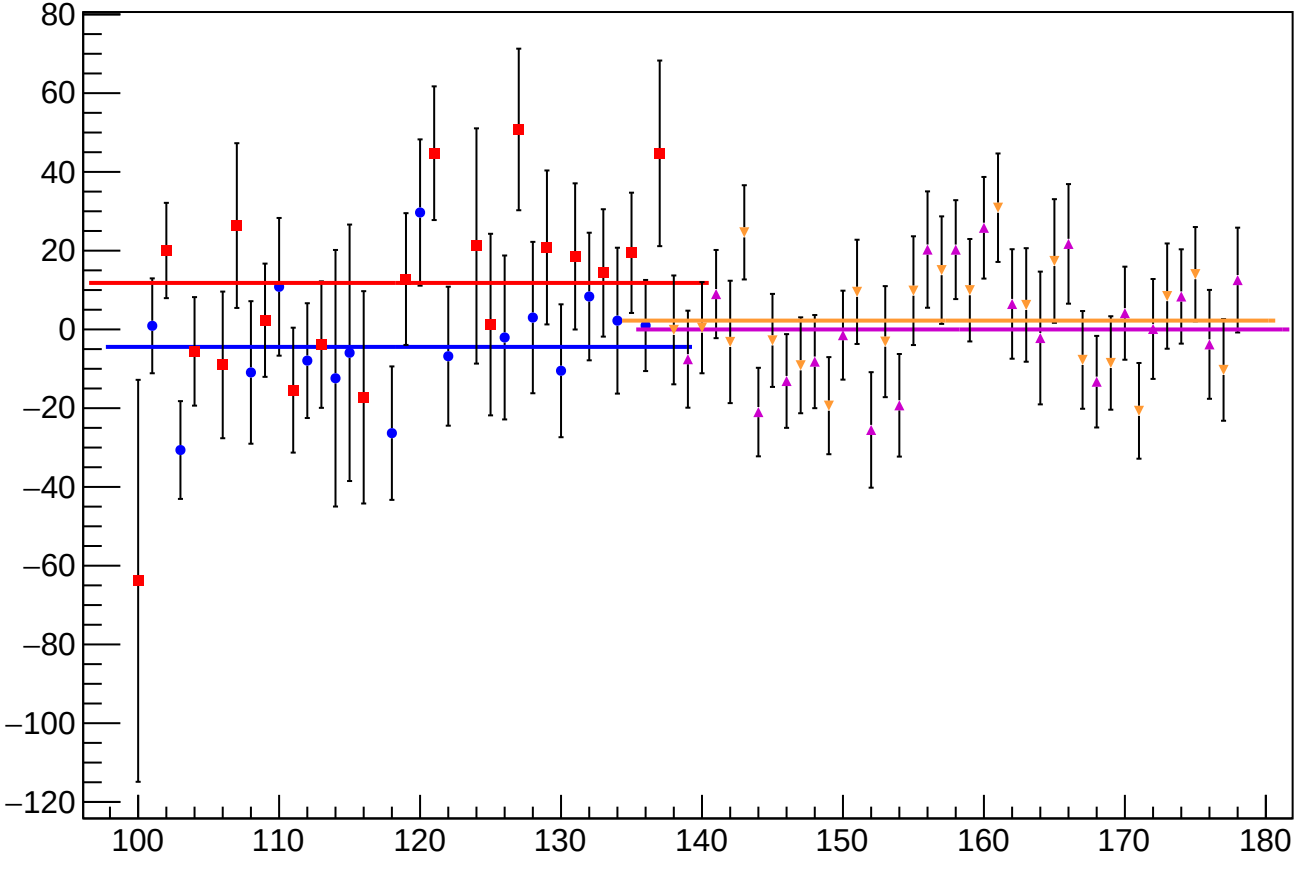
Right: 21.725+/-0.004 χ^2/NDF: 38150.0/34

In: 21.622+/-0.003 χ^2/NDF:37350.7/35

Out: 21.648+/-0.003 χ^2/NDF:34099.1/39

All: 21.635+/-0.002 χ^2/NDF: 71485.3/75

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: -0.009+/-2.844 χ^2/NDF:25.1/19

Left: 1.120+/-2.007 χ^2/NDF: 47.7/40

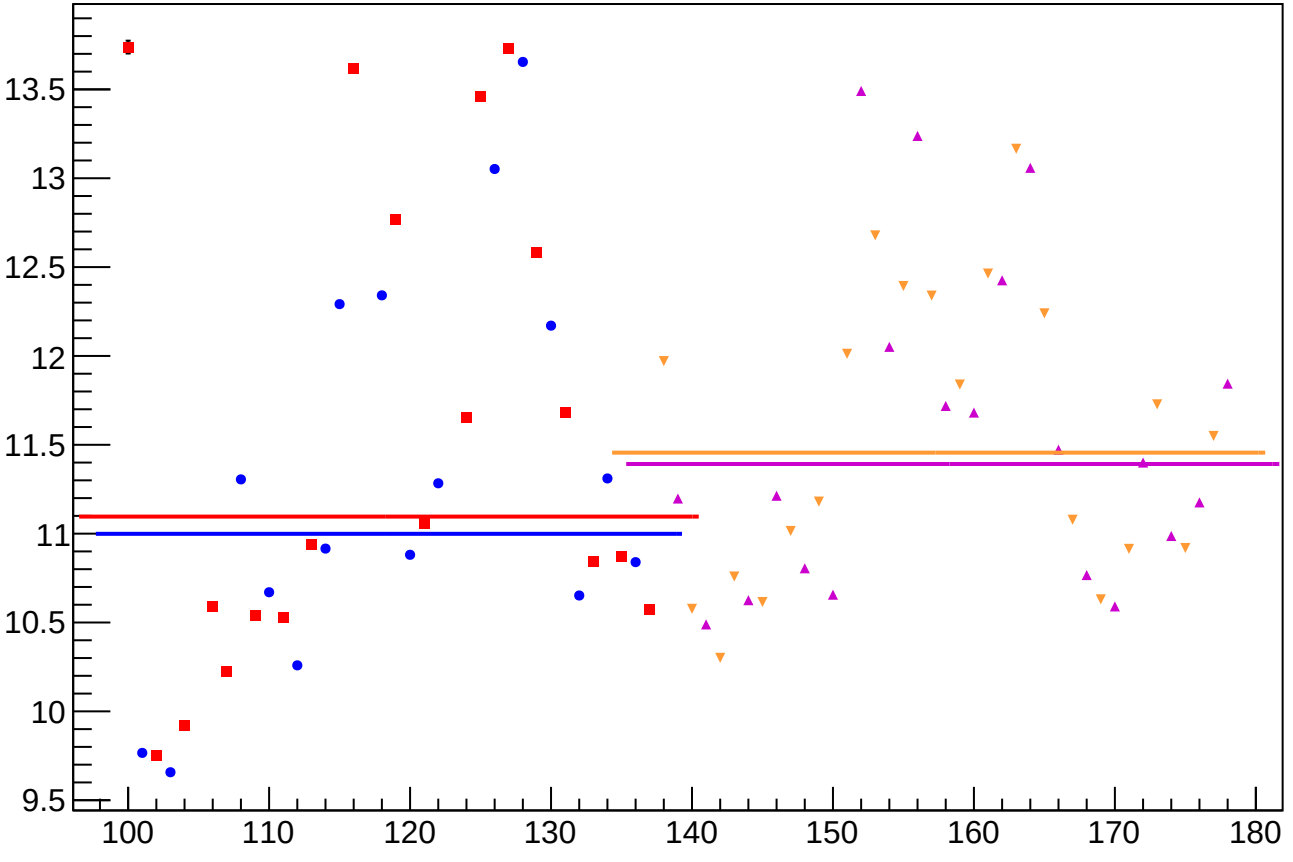
Right: 3.749+/-2.909 χ^2/NDF: 41.5/34

In: -1.434+/-2.343 χ^2/NDF:37.8/35

Out: 5.333+/-2.330 χ^2/NDF:47.7/39

All: 1.968+/-1.652 χ^2/NDF: 89.7/75

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.456+/-0.002 χ^2/NDF:148074.7/20

Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 11.392+/-0.002 χ^2/NDF:167034.3/19

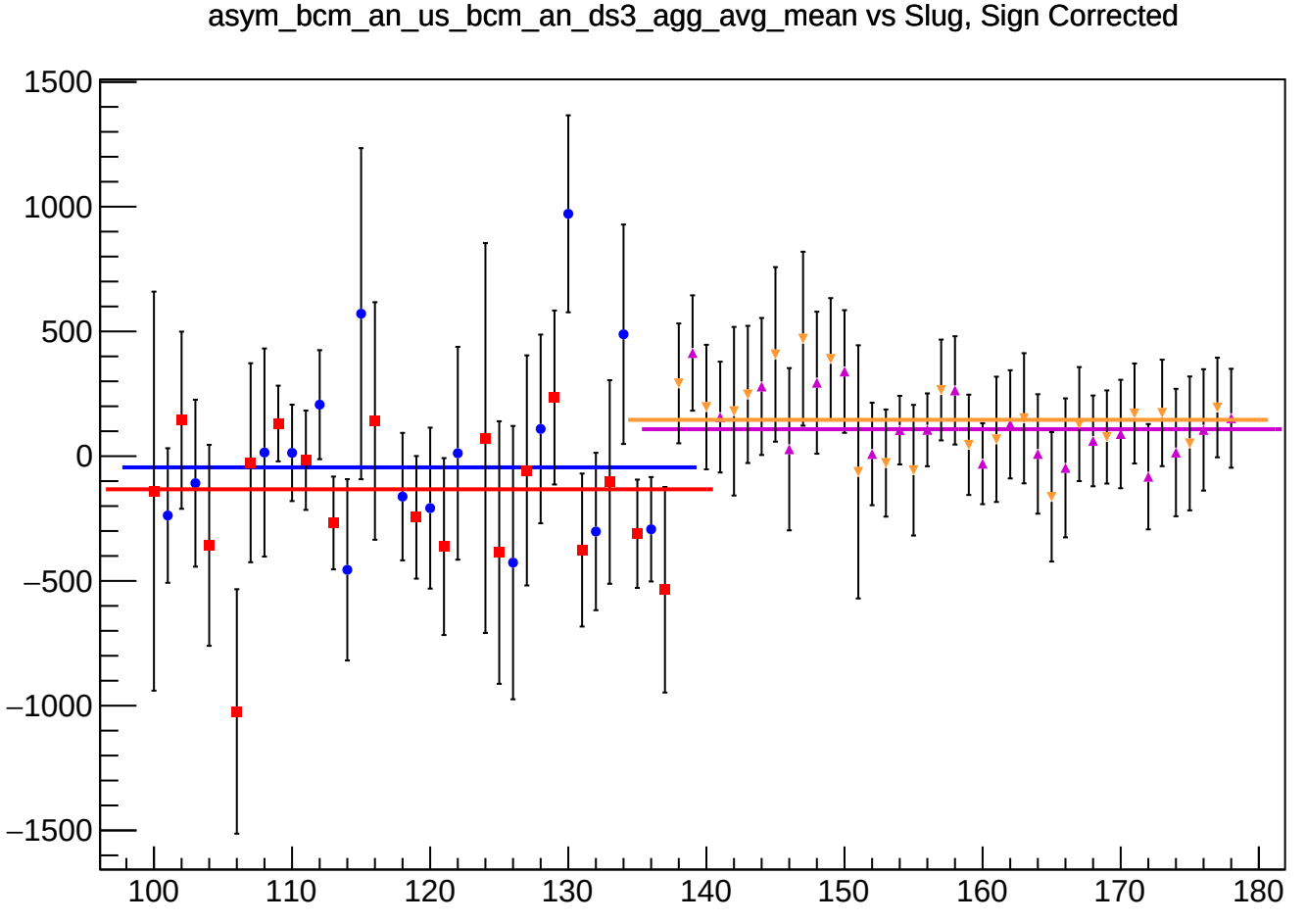
Left: 11.424+/-0.001 χ^2/NDF: 315616.7/40

Right: 11.048+/-0.002 χ^2/NDF: 299622.8/34

In: 11.266+/-0.002 χ^2/NDF:315469.1/35

Out: 11.340+/-0.002 χ^2/NDF:321427.2/39

All: 11.303+/-0.001 χ^2/NDF: 637897.5/75



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: 108.004+/-46.810 χ^2/NDF:6.6/19

Left: 124.557+/-35.062 χ^2/NDF: 13.8/40

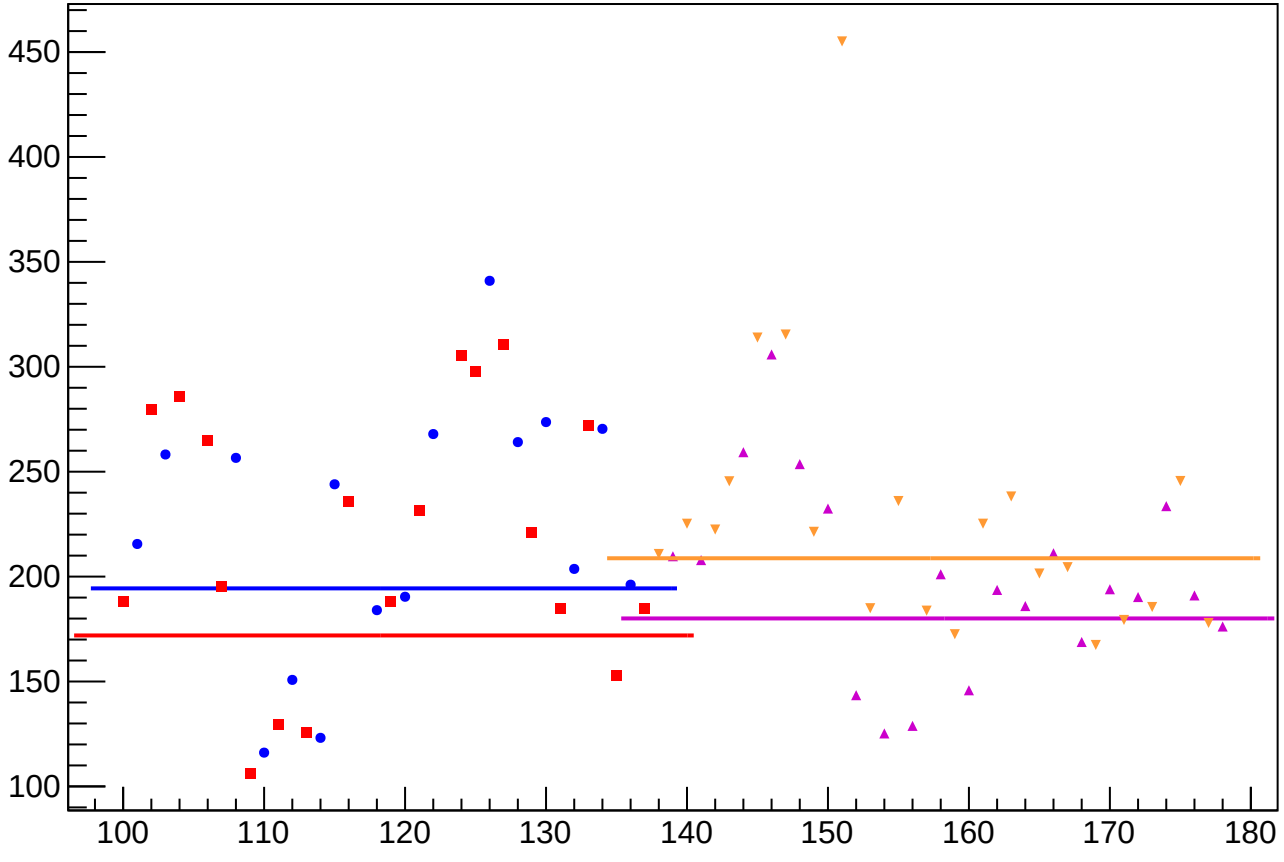
Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 66.318+/-39.917 χ^2/NDF:24.9/35

Out: 41.201+/-41.826 χ^2/NDF:30.1/39

All: 54.345+/-28.877 χ^2/NDF: 55.2/75

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: 180.055+/-0.033 χ^2/NDF:1636835.8/19

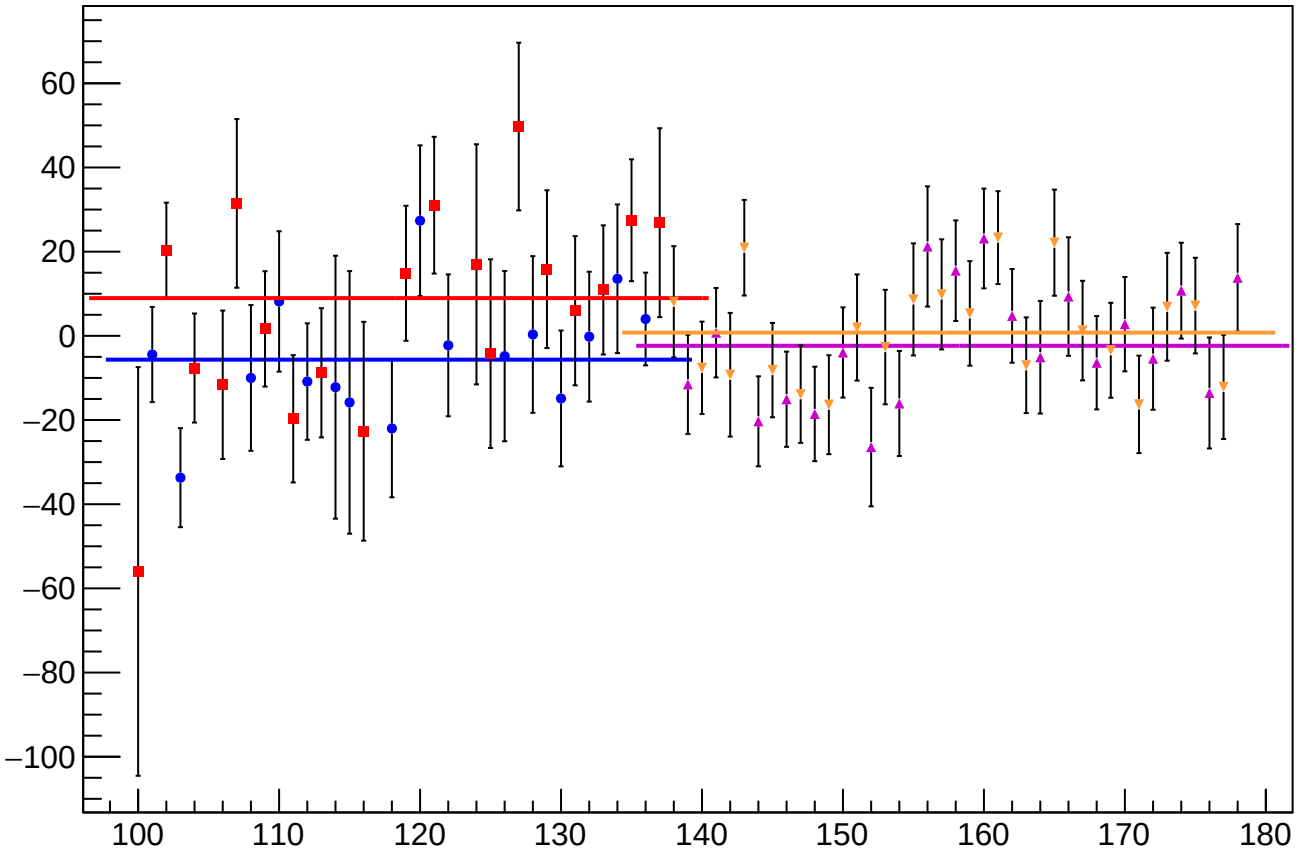
Left: 192.648+/-0.025 χ^2/NDF: 3287159.4/40

Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 183.965+/-0.028 χ^2/NDF:2729994.2/35

Out: 194.932+/-0.030 χ^2/NDF:3334817.8/39

All: 189.192+/-0.020 χ^2/NDF: 6136776.3/75



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: -2.363+/-2.664 χ^2/NDF:25.8/19

Left: -0.780+/-1.874 χ^2/NDF: 47.8/40

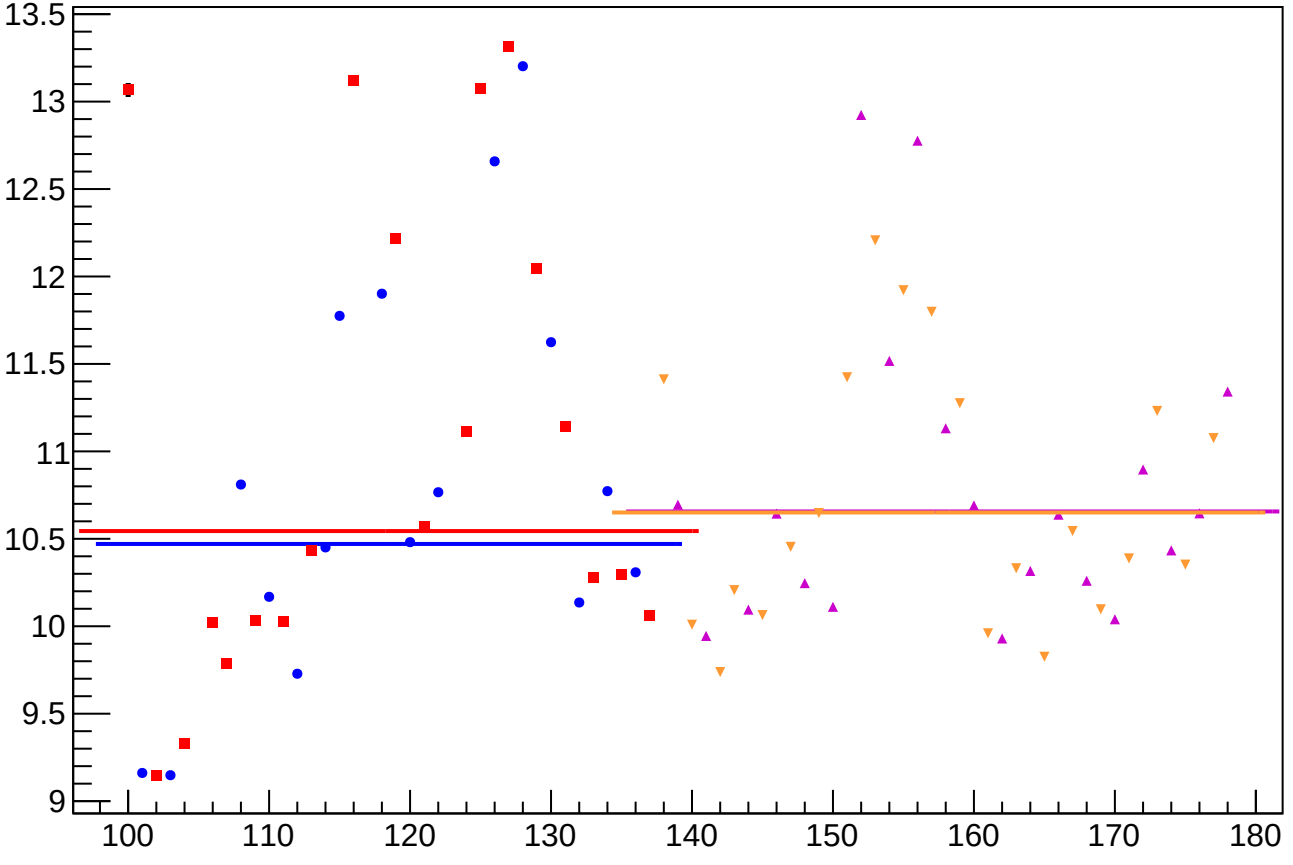
Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -3.396+/-2.207 χ^2/NDF:39.9/35

Out: 3.339+/-2.185 χ^2/NDF:47.2/39

All: 0.005+/-1.552 χ^2/NDF: 91.8/75

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: 10.656+/-0.002 χ^2/NDF:156706.1/19

Left: 10.653+/-0.001 χ^2/NDF: 291244.2/40

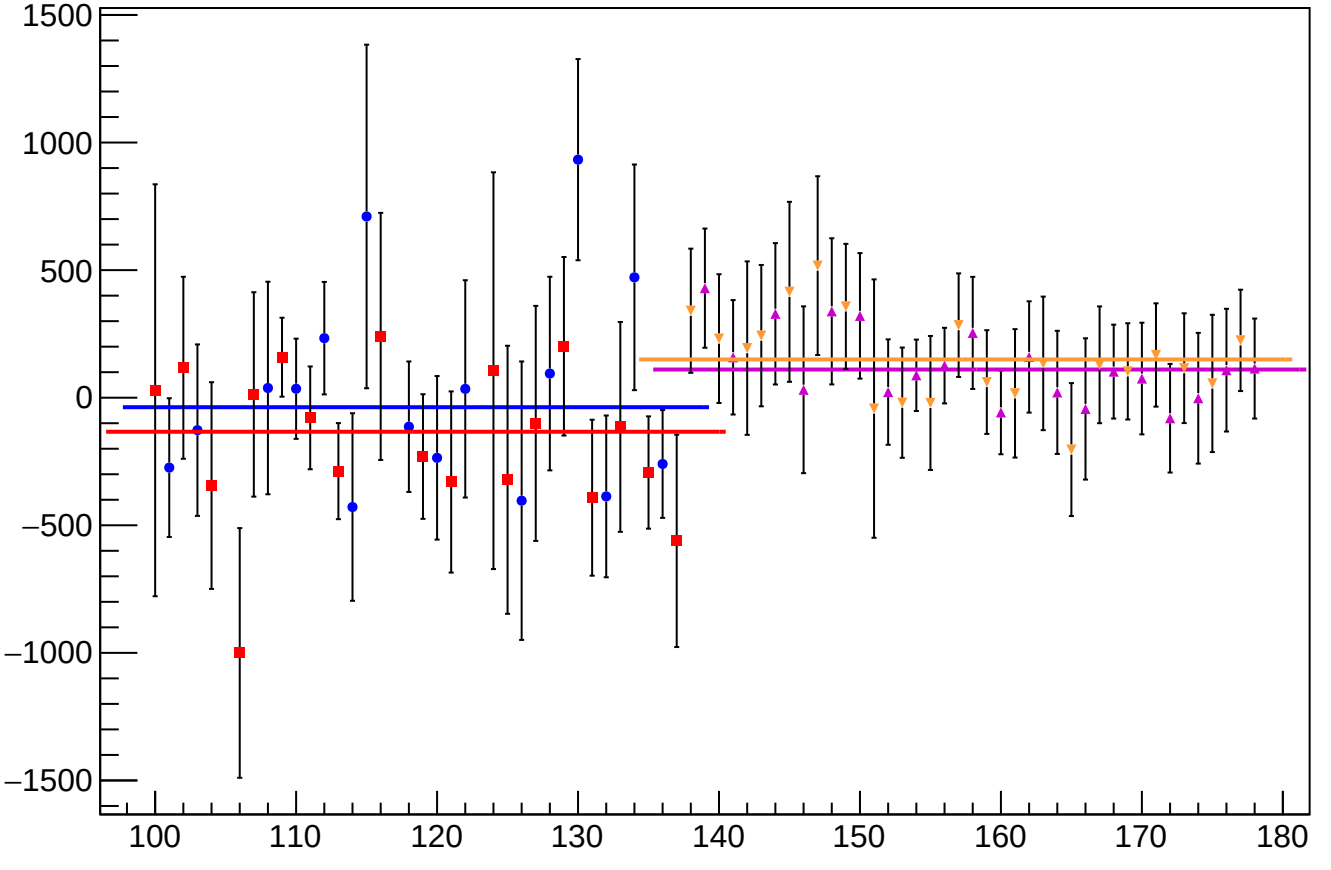
Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.598+/-0.002 χ^2/NDF:317126.6/35

Out: 10.617+/-0.002 χ^2/NDF:322331.9/39

All: 10.608+/-0.001 χ^2/NDF: 639534.6/75

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: 110.432+/-47.161 χ^2/NDF:7.2/19

Left: 127.814+/-35.299 χ^2/NDF: 15.0/40

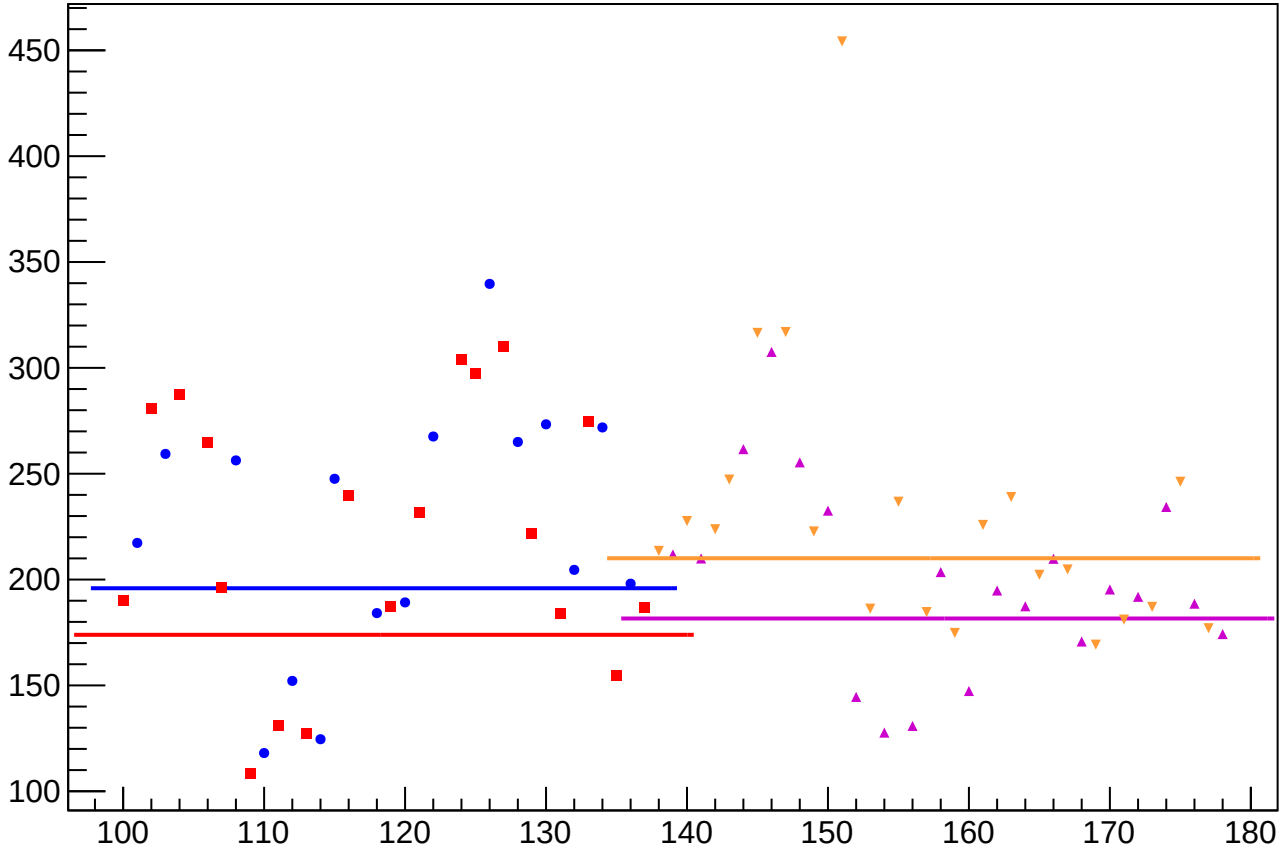
Right: -90.593+/-51.314 χ^2/NDF: 29.4/34

In: 70.083+/-40.205 χ^2/NDF:25.5/35

Out: 44.024+/-42.120 χ^2/NDF:31.0/39

All: 57.659+/-29.083 χ^2/NDF: 56.7/75

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: 181.606+/-0.033 χ^2/NDF:1588250.9/19

Left: 194.122+/-0.025 χ^2/NDF: 3217315.7/40

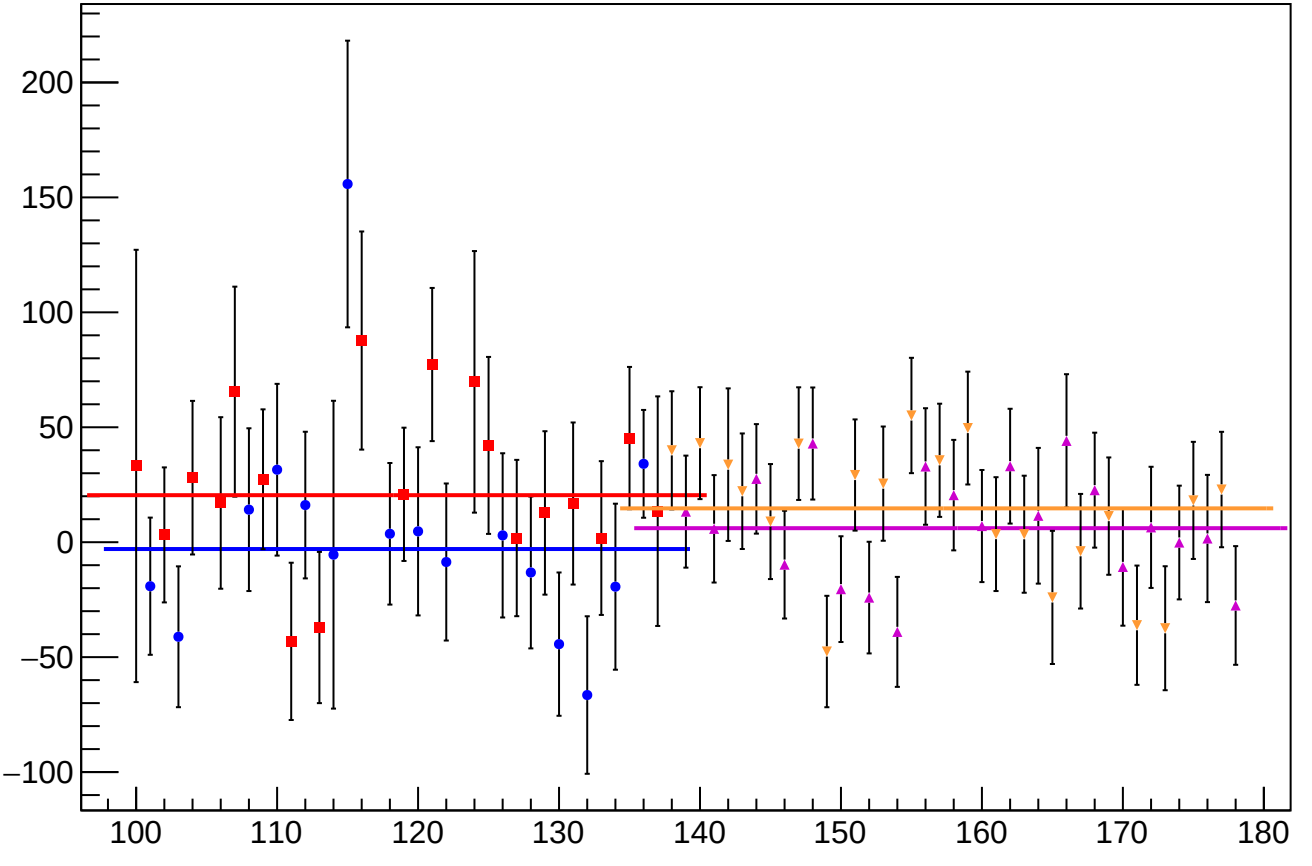
Right: 183.693+/-0.036 χ^2/NDF: 2701402.5/34

In: 185.512+/-0.028 χ^2/NDF:2649458.7/35

Out: 196.545+/-0.030 χ^2/NDF:3253526.9/39

All: 190.772+/-0.021 χ^2/NDF: 5974798.2/75

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: 6.098+/-5.587 χ^2/NDF:17.1/19

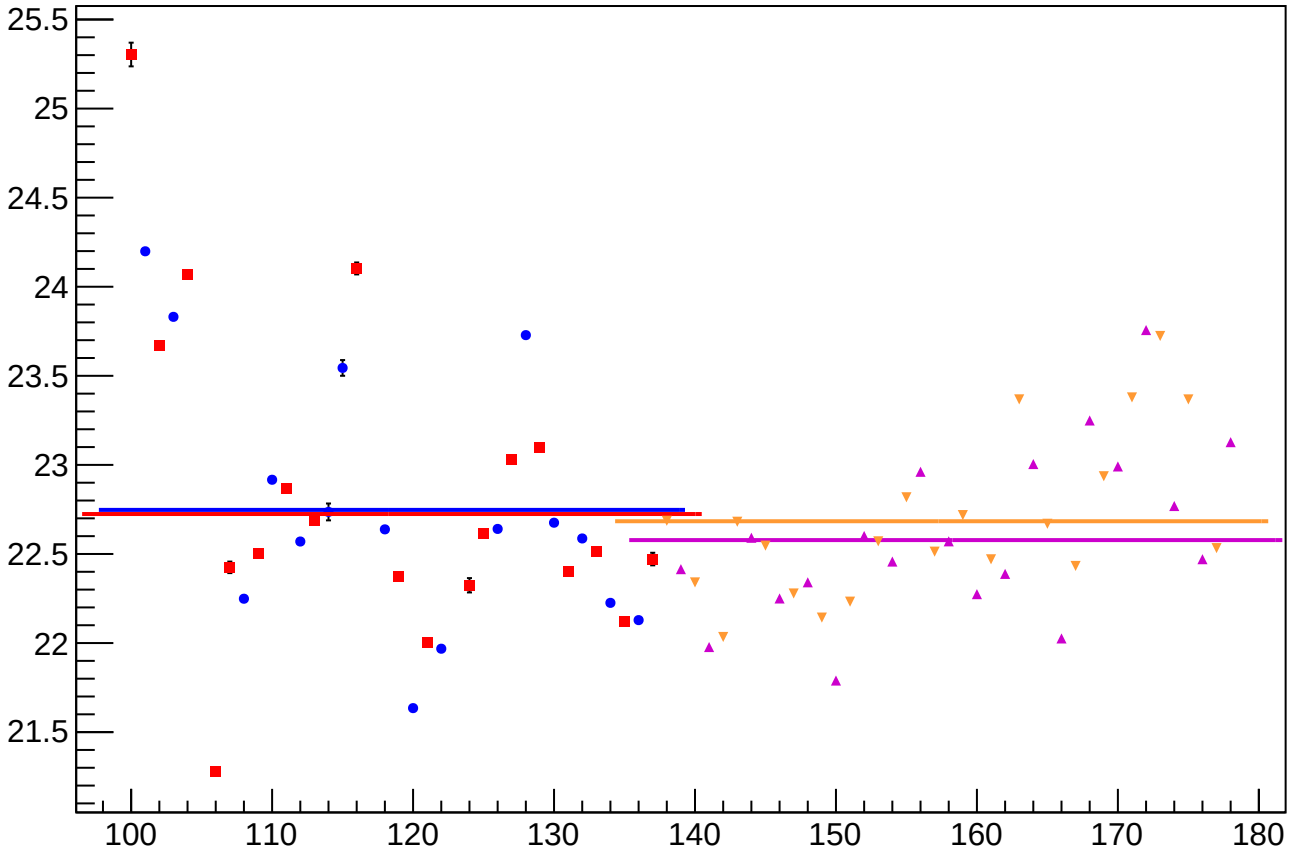
Left: 10.432+/-3.940 χ^2/NDF: 45.4/40

Right: 8.972+/-5.920 χ^2/NDF: 37.1/34

In: 3.342+/-4.661 χ^2/NDF:35.8/35

Out: 16.497+/-4.616 χ^2/NDF:42.7/39

All: 9.984+/-3.280 χ^2/NDF: 82.6/75



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: 22.578+/-0.004 χ^2/NDF:13440.5/19

Left: 22.631+/-0.003 χ^2/NDF: 25379.0/40

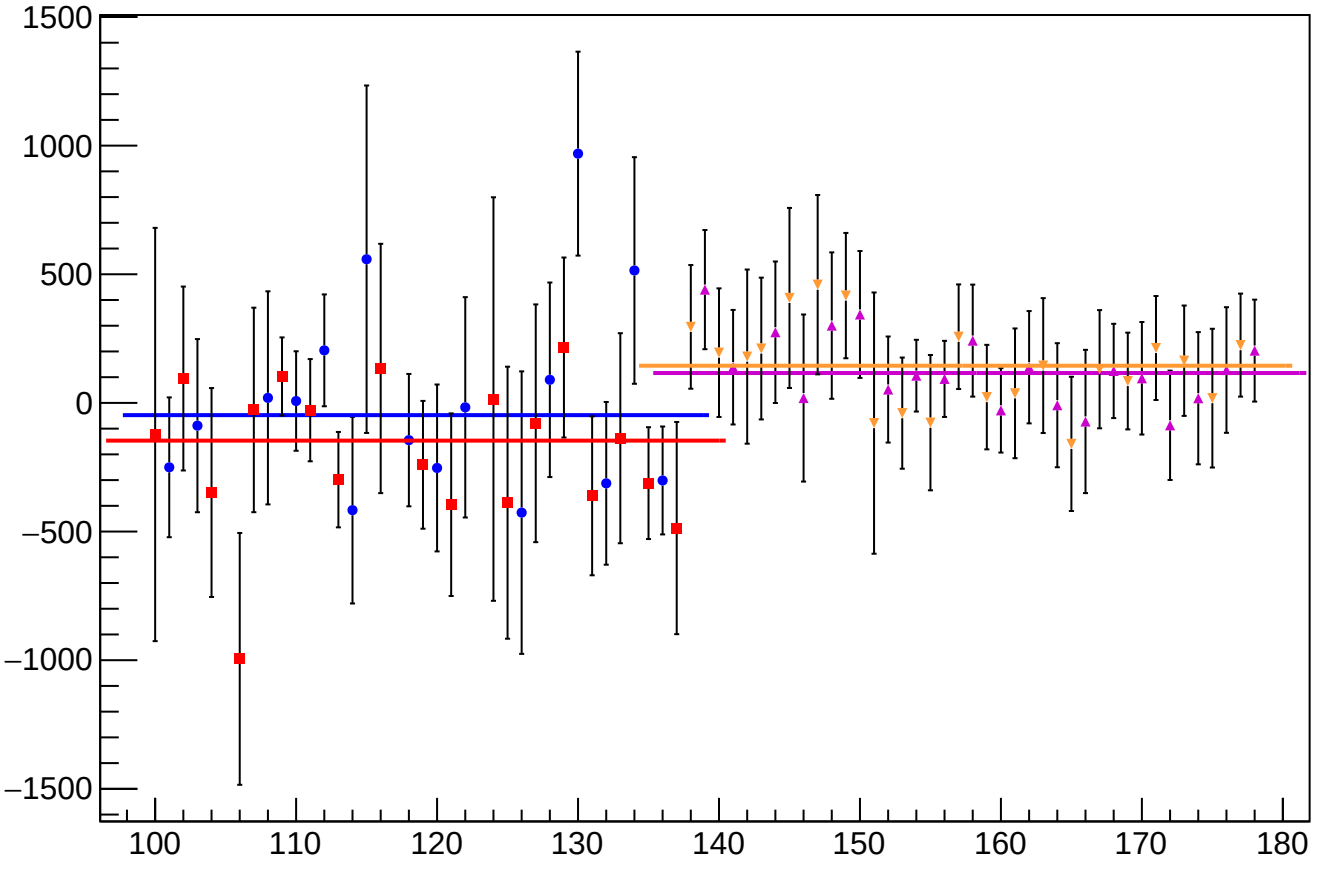
Right: 22.736+/-0.004 χ^2/NDF: 29121.1/34

In: 22.629+/-0.003 χ^2/NDF:28623.2/35

Out: 22.696+/-0.003 χ^2/NDF:26101.3/39

All: 22.663+/-0.002 χ^2/NDF: 54932.1/75

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: 116.193+/-47.106 χ^2/NDF:6.9/19

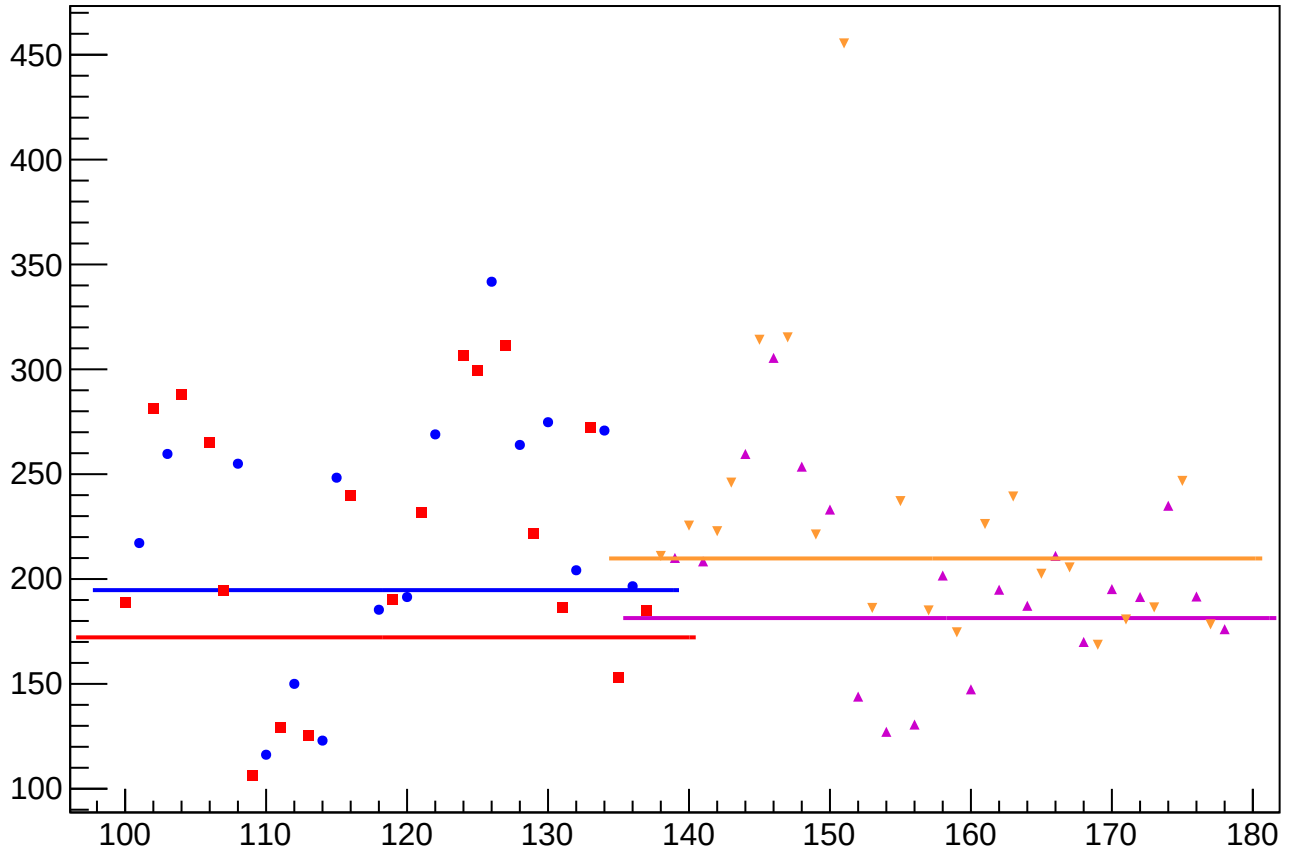
Left: 128.667+/-35.257 χ^2/NDF: 14.7/40

Right: -102.614+/-51.010 χ^2/NDF: 27.9/34

In: 71.244+/-40.122 χ^2/NDF:25.6/35

Out: 34.913+/-41.975 χ^2/NDF:30.4/39

All: 53.899+/-29.003 χ^2/NDF: 56.5/75



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: 181.382+/-0.033 χ^2/NDF:1582248.5/19

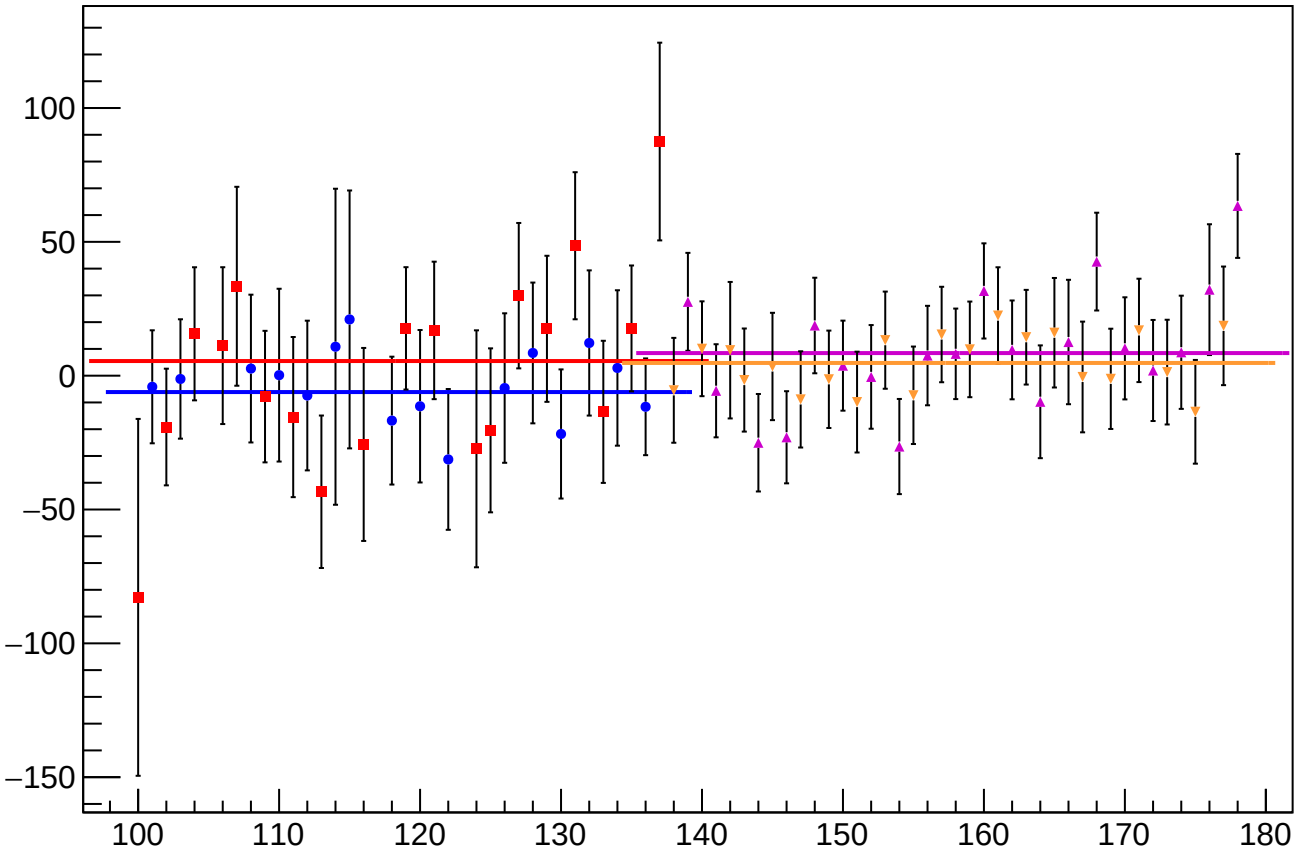
Left: 193.887+/-0.025 χ^2/NDF: 3200433.6/40

Right: 182.181+/-0.036 χ^2/NDF: 2819594.0/34

In: 185.041+/-0.028 χ^2/NDF:2678483.1/35

Out: 195.643+/-0.030 χ^2/NDF:3346131.8/39

All: 190.103+/-0.021 χ^2/NDF: 6091295.9/75



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: 8.446+/-4.192 χ^2/NDF:28.0/19

Left: 6.590+/-2.955 χ^2/NDF: 34.7/40

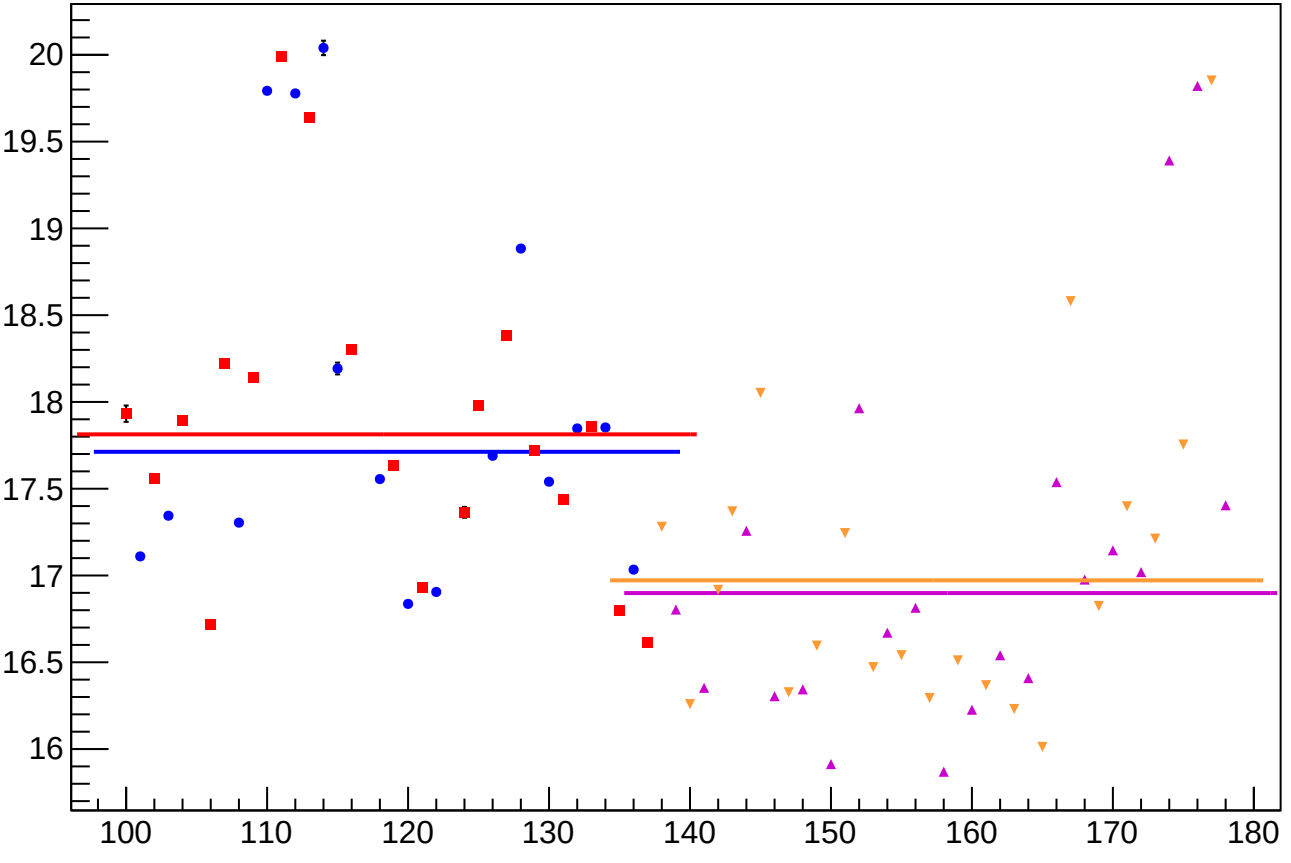
Right: -0.251+/-4.632 χ^2/NDF: 23.9/34

In: 4.252+/-3.538 χ^2/NDF:34.6/35

Out: 4.965+/-3.509 χ^2/NDF:25.5/39

All: 4.611+/-2.491 χ^2/NDF: 60.2/75

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: 16.899+/-0.003 χ^2/NDF:92225.0/19

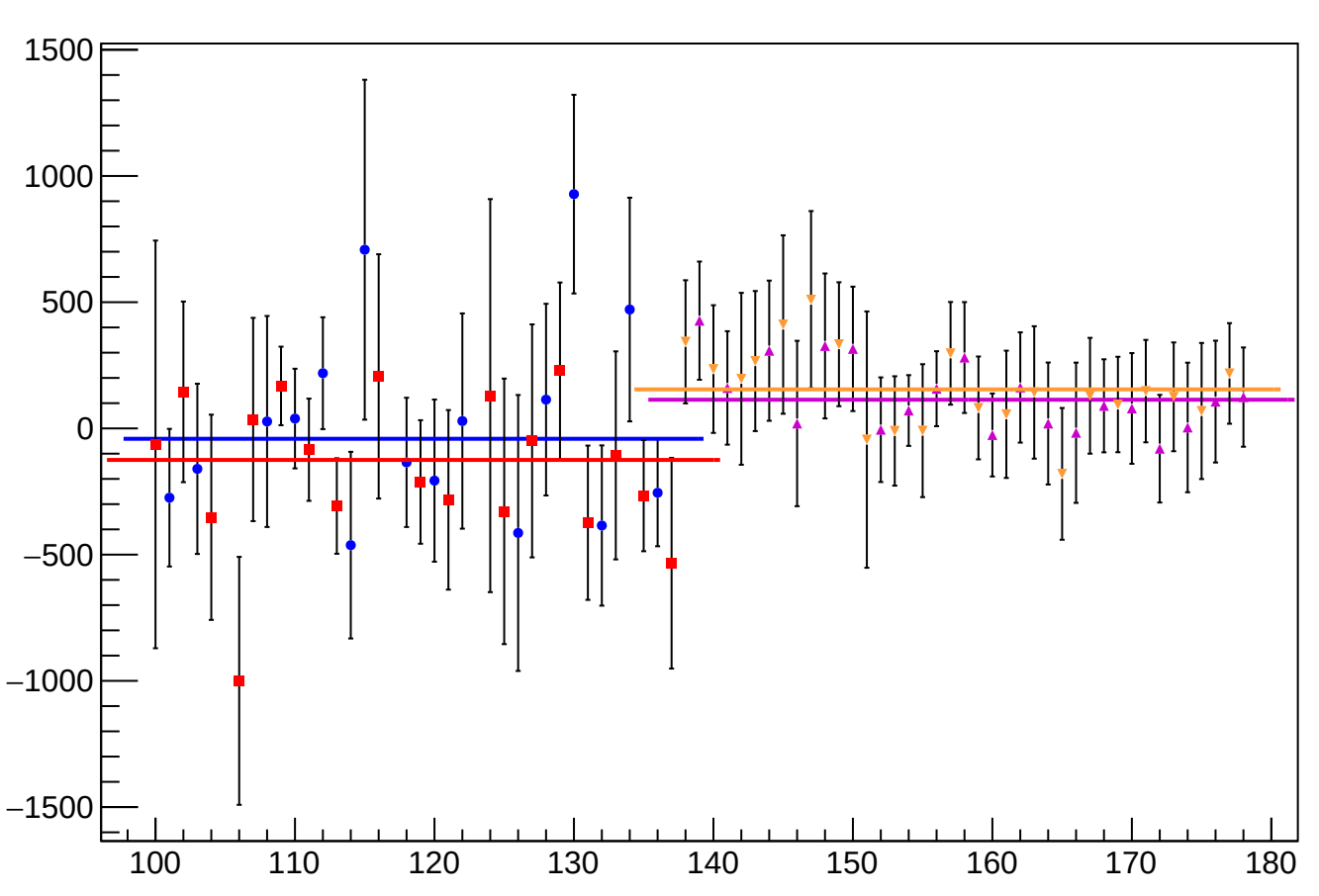
Left: 16.936+/-0.002 χ^2/NDF: 174368.5/40

Right: 17.764+/-0.003 χ^2/NDF: 68933.0/34

In: 17.133+/-0.003 χ^2/NDF:149918.3/35

Out: 17.216+/-0.002 χ^2/NDF:138257.2/39

All: 17.175+/-0.002 χ^2/NDF: 288734.7/75



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: 113.669+/-47.258 χ^2/NDF:6.9/19

Left: 131.677+/-35.375 χ^2/NDF: 14.1/40

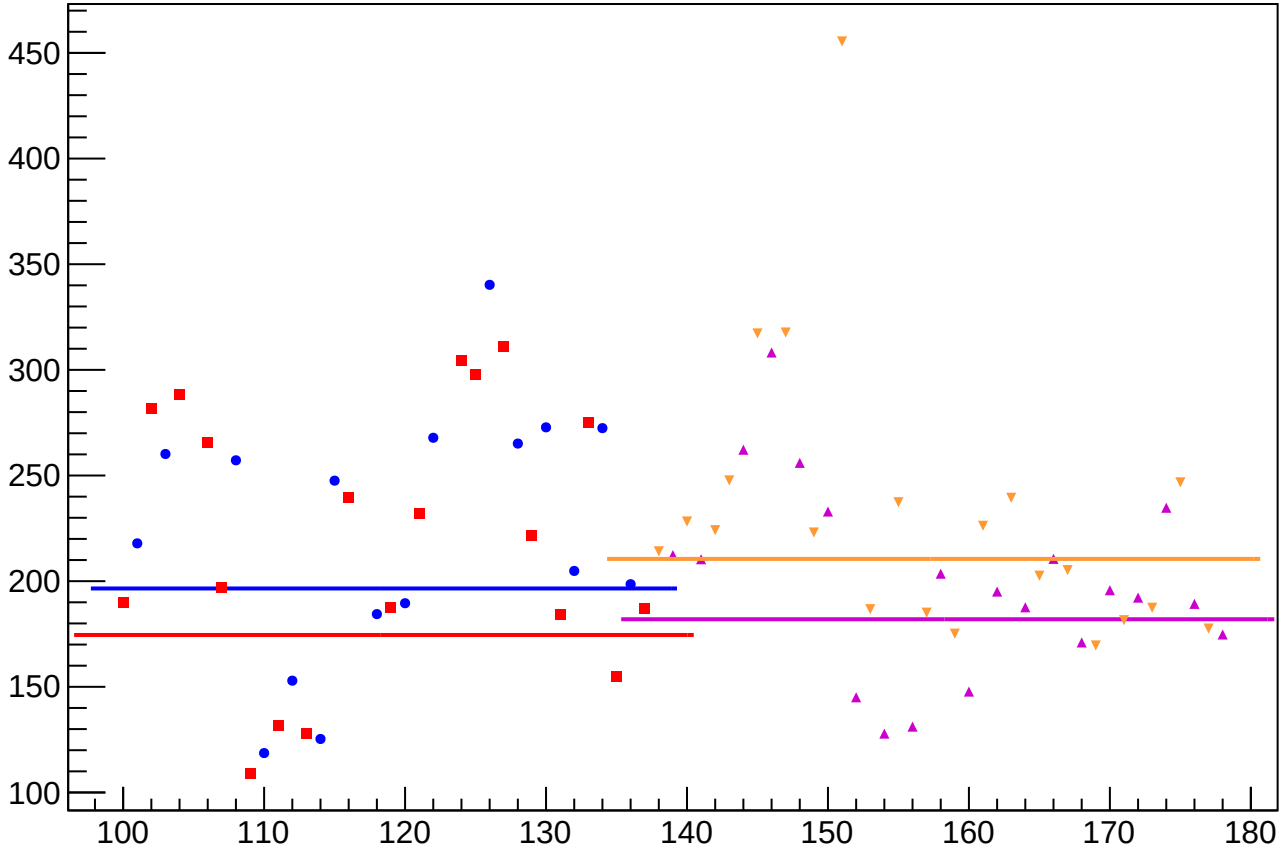
Right: -87.579+/-51.473 χ^2/NDF: 29.1/34

In: 71.429+/-40.297 χ^2/NDF:25.5/35

Out: 50.262+/-42.230 χ^2/NDF:30.0/39

All: 61.341+/-29.154 χ^2/NDF: 55.5/75

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: 181.980+/-0.033 χ^2/NDF:1588259.1/19

Left: 194.536+/-0.025 χ^2/NDF: 3217799.2/40

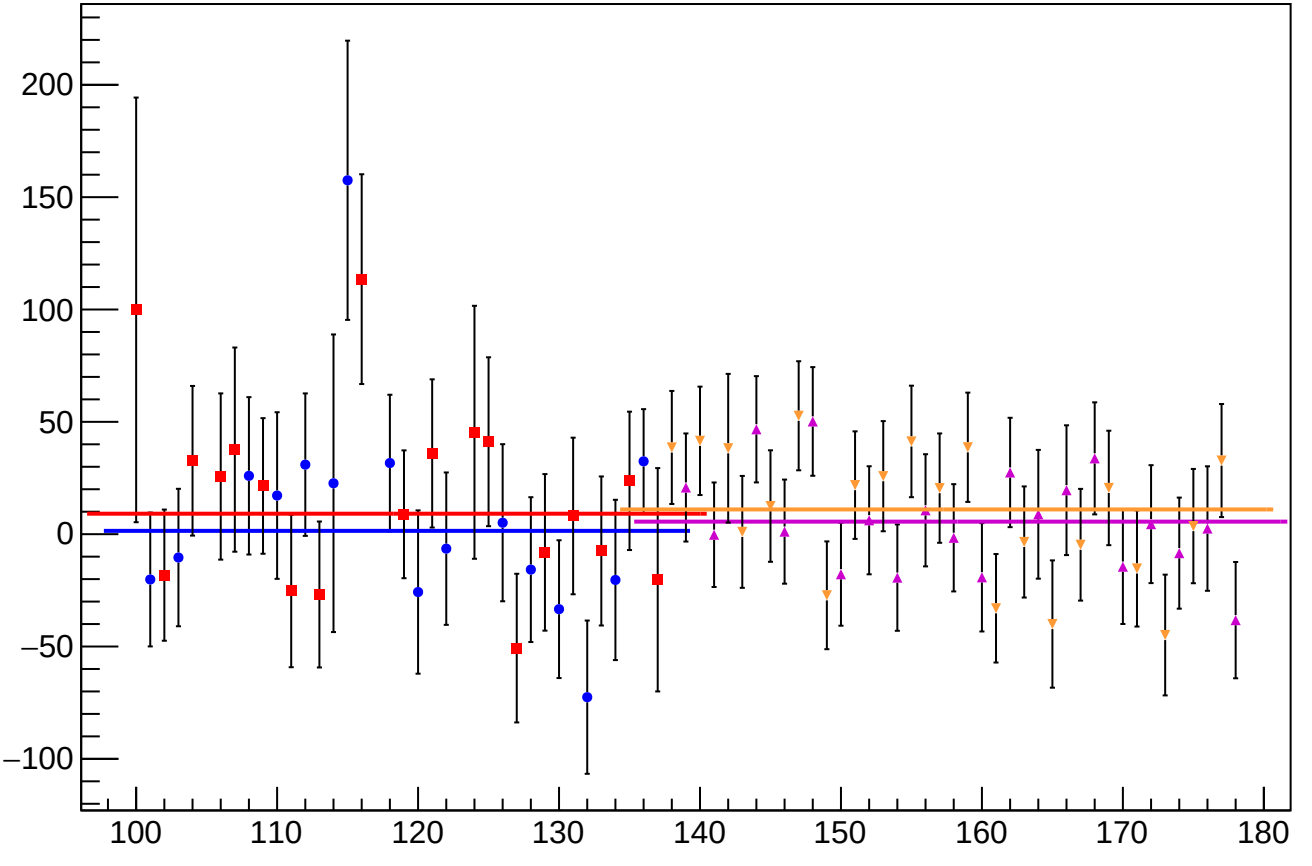
Right: 184.337+/-0.036 χ^2/NDF: 2679758.7/34

In: 185.954+/-0.028 χ^2/NDF:2640851.8/35

Out: 197.095+/-0.030 χ^2/NDF:3237183.6/39

All: 191.264+/-0.021 χ^2/NDF: 5950890.1/75

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: 5.583+/-5.541 χ^2/NDF:16.4/19

Left: 8.317+/-3.904 χ^2/NDF: 43.2/40

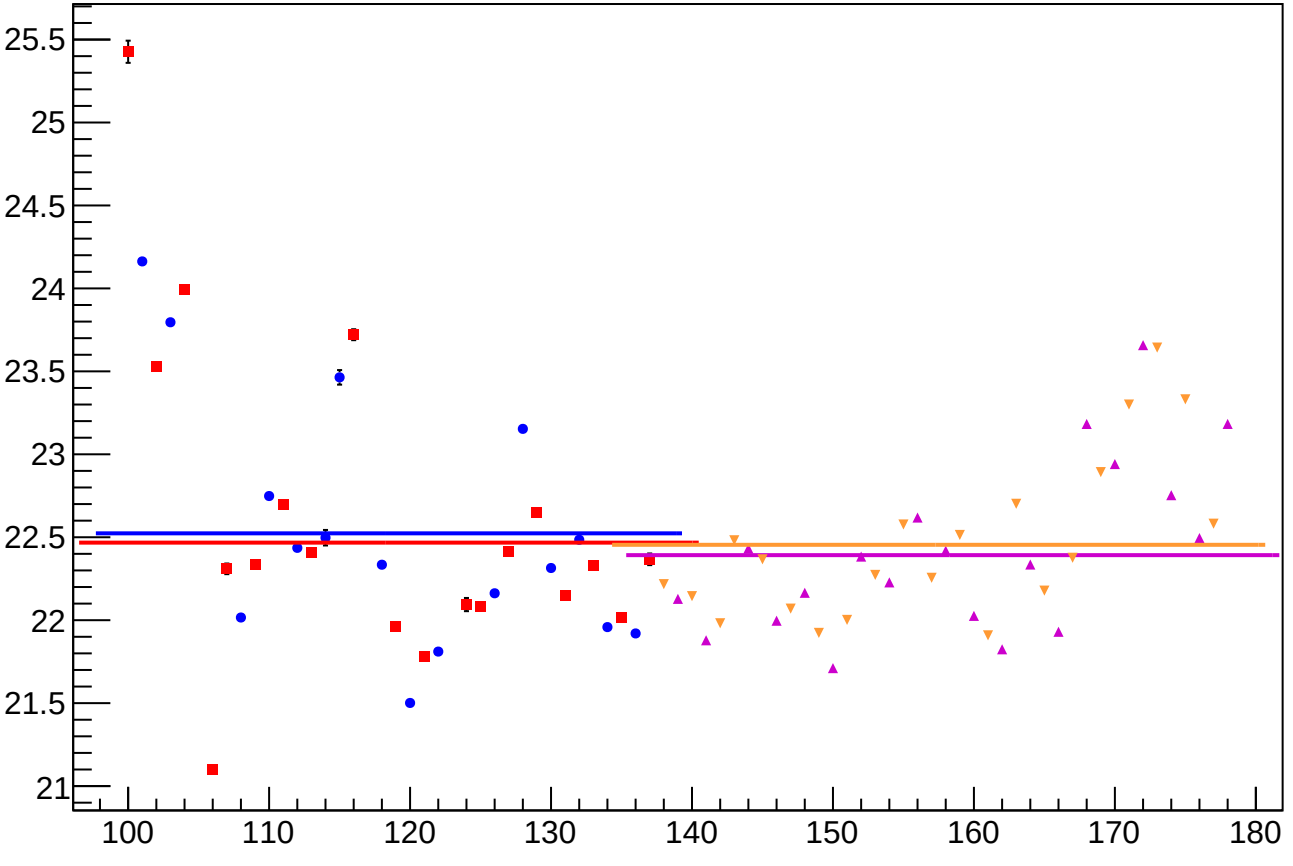
Right: 5.374+/-5.857 χ^2/NDF: 35.6/34

In: 4.332+/-4.620 χ^2/NDF:35.3/35

Out: 10.422+/-4.567 χ^2/NDF:42.8/39

All: 7.412+/-3.248 χ^2/NDF: 78.9/75

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: 22.392+/-0.004 χ^2/NDF:15991.4/19

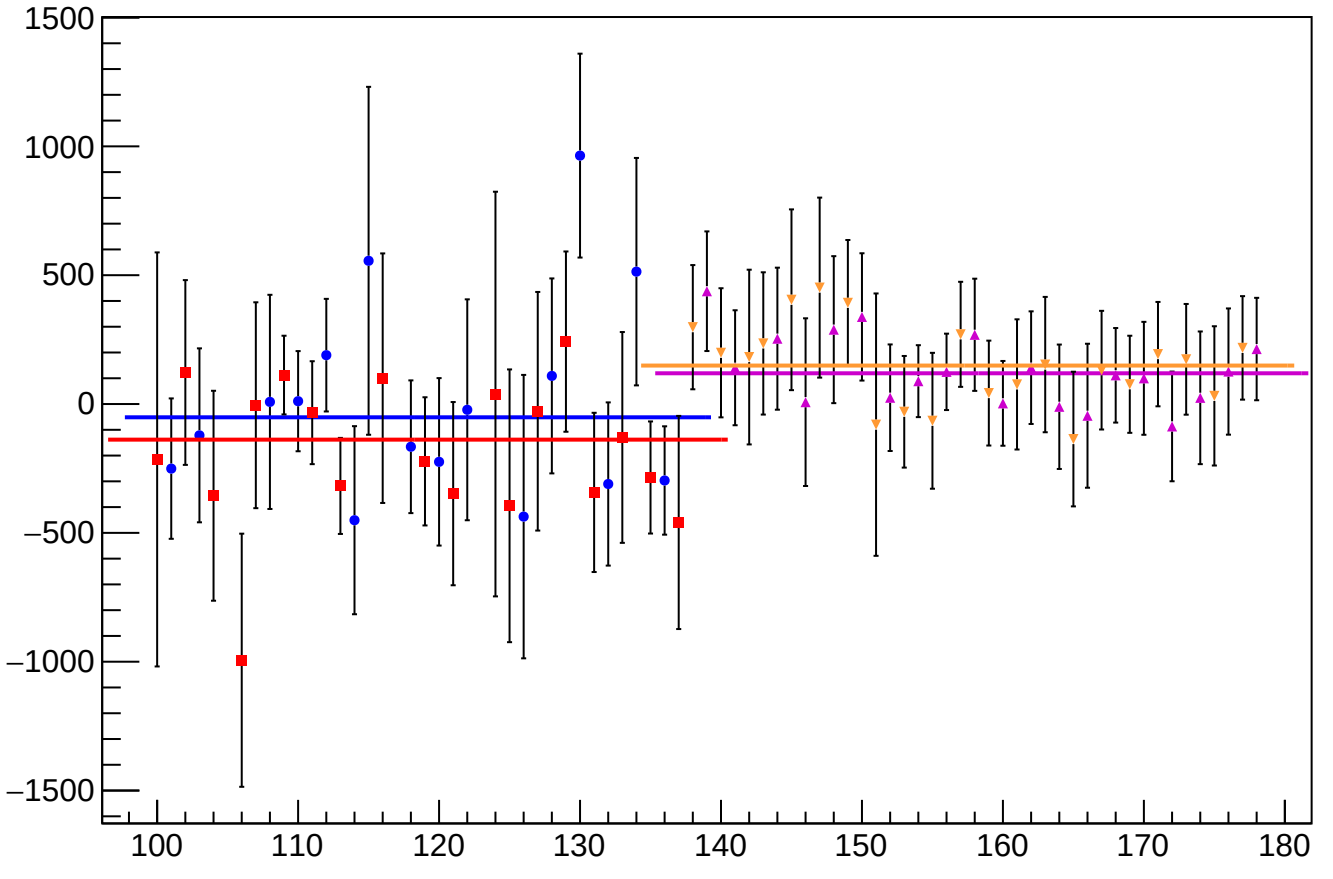
Left: 22.424+/-0.003 χ^2/NDF: 30067.2/40

Right: 22.495+/-0.004 χ^2/NDF: 31619.9/34

In: 22.432+/-0.003 χ^2/NDF:32282.1/35

Out: 22.459+/-0.003 χ^2/NDF:29578.5/39

All: 22.446+/-0.002 χ^2/NDF: 61893.4/75



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: 119.348+/-47.203 χ^2/NDF:6.6/19

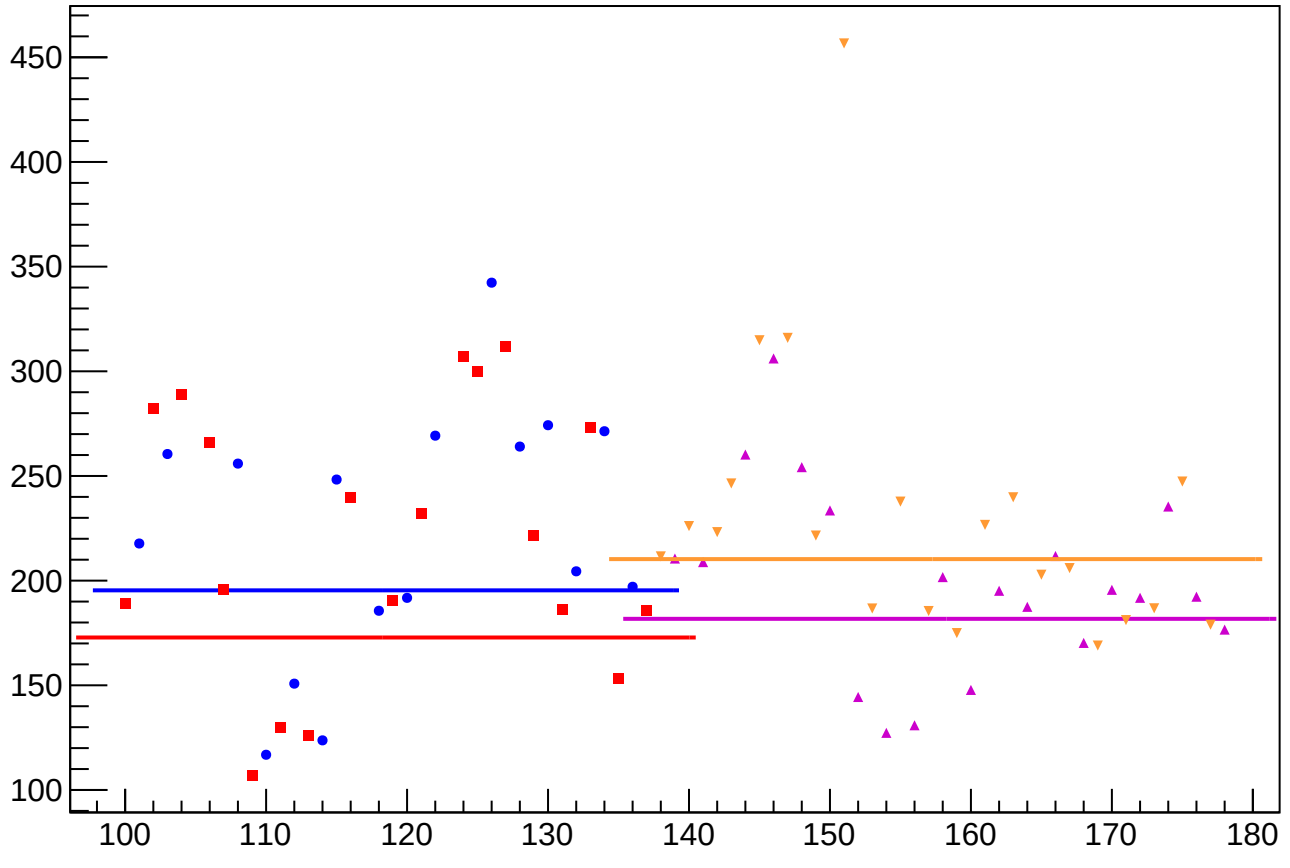
Left: 132.526+/-35.332 χ^2/NDF: 13.5/40

Right: -99.695+/-51.171 χ^2/NDF: 27.7/34

In: 72.505+/-40.214 χ^2/NDF:25.5/35

Out: 41.186+/-42.086 χ^2/NDF:29.3/39

All: 57.557+/-29.075 χ^2/NDF: 55.1/75



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: 181.753+/-0.033 χ^2/NDF:1582483.6/19

Left: 194.298+/-0.025 χ^2/NDF: 3201235.6/40

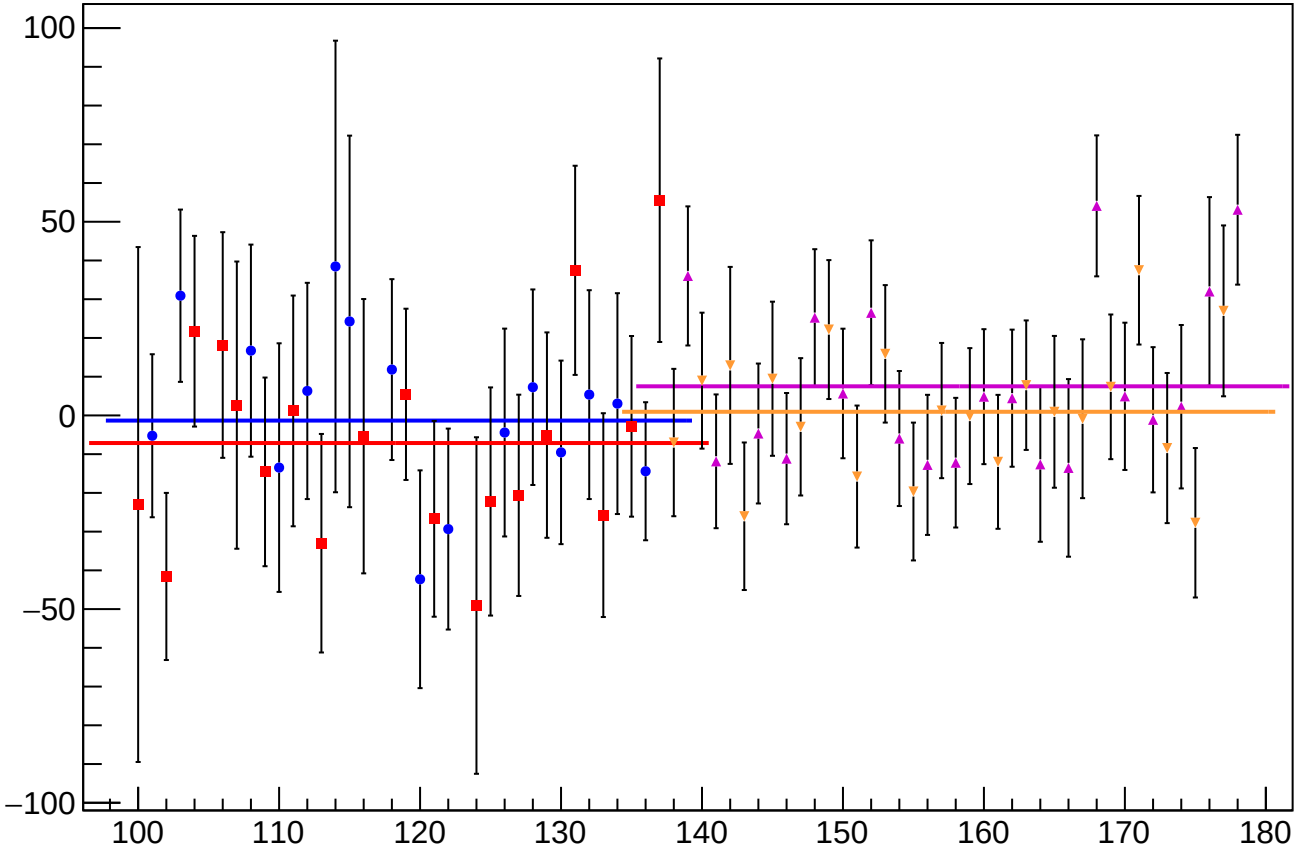
Right: 182.837+/-0.036 χ^2/NDF: 2796519.3/34

In: 185.484+/-0.028 χ^2/NDF:2669494.5/35

Out: 196.200+/-0.030 χ^2/NDF:3328425.5/39

All: 190.598+/-0.021 χ^2/NDF: 6065696.3/75

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: 7.516+/-4.128 χ^2/NDF:26.1/19

Left: 4.196+/-2.904 χ^2/NDF: 42.8/40

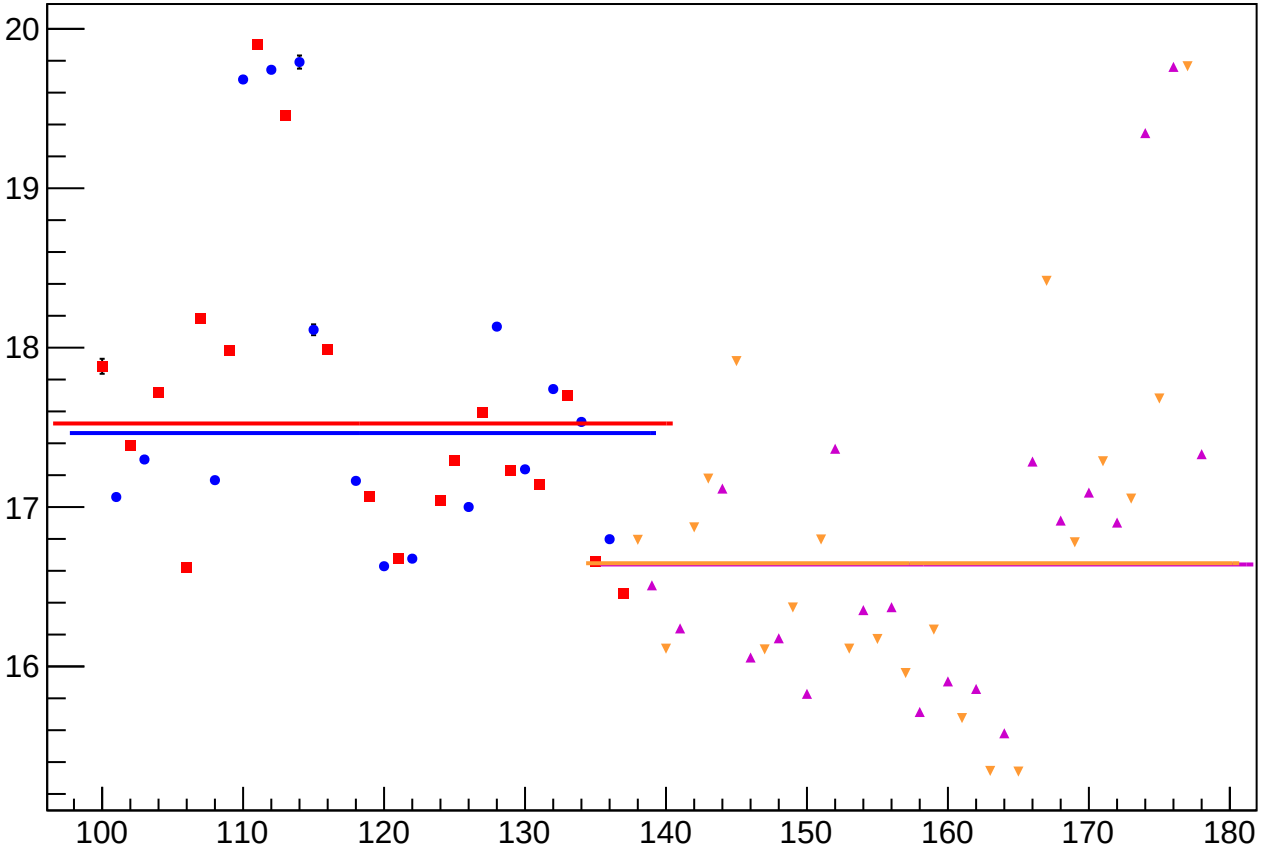
Right: -4.272+/-4.561 χ^2/NDF: 22.8/34

In: 4.972+/-3.484 χ^2/NDF:35.4/35

Out: -1.394+/-3.445 χ^2/NDF:31.0/39

All: 1.753+/-2.450 χ^2/NDF: 68.1/75

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: 16.640+/-0.003 χ^2/NDF:106070.4/19

Left: 16.644+/-0.002 χ^2/NDF: 219051.0/40

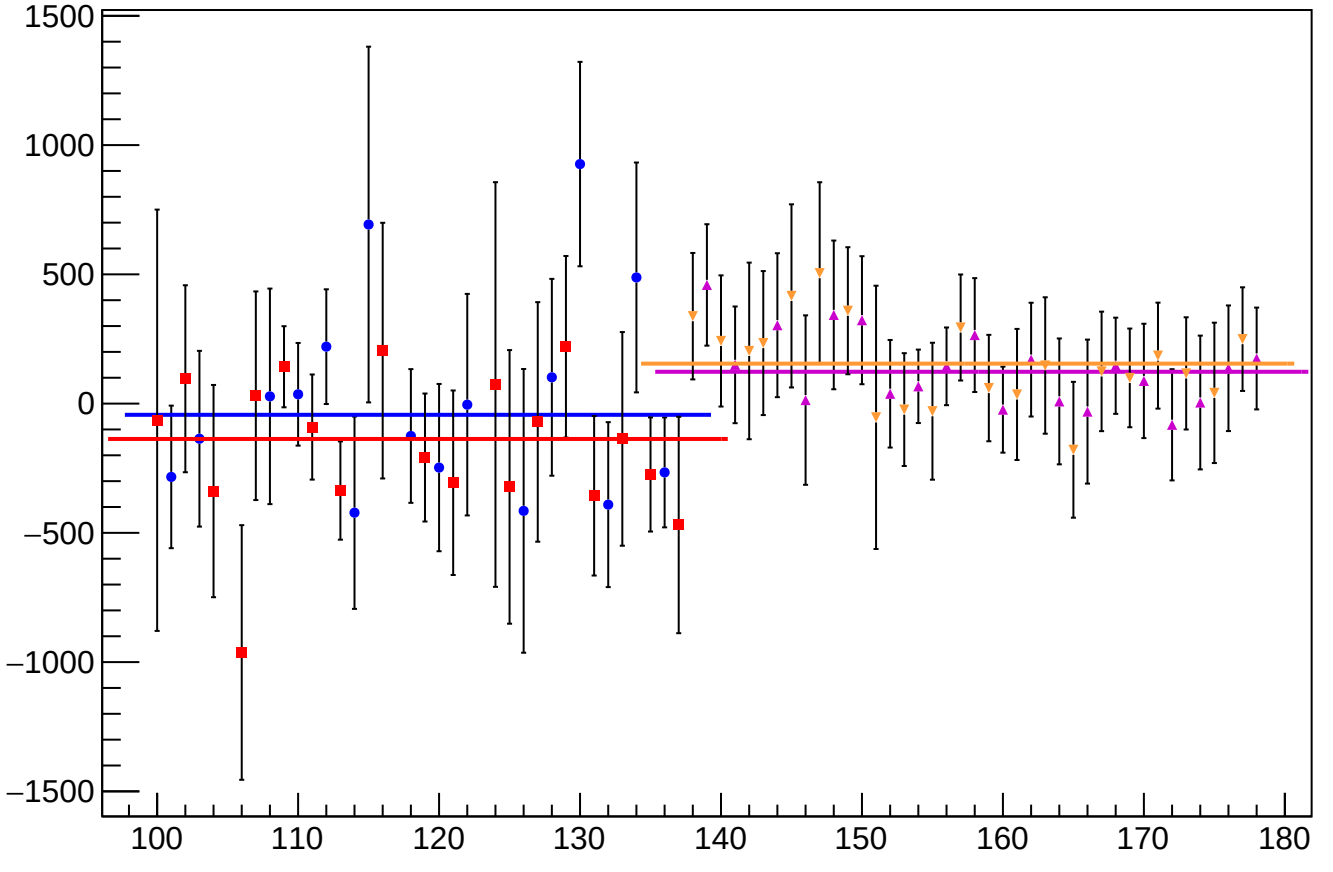
Right: 17.495+/-0.003 χ^2/NDF: 71463.1/34

In: 16.877+/-0.002 χ^2/NDF:165654.2/35

Out: 16.901+/-0.002 χ^2/NDF:174354.4/39

All: 16.889+/-0.002 χ^2/NDF: 340059.3/75

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 154.678+/-53.691 χ^2/NDF:7.4/20

Right Out: -136.778+/-69.557 χ^2/NDF: 11.5/18

Left In: 123.077+/-47.618 χ^2/NDF:7.2/19

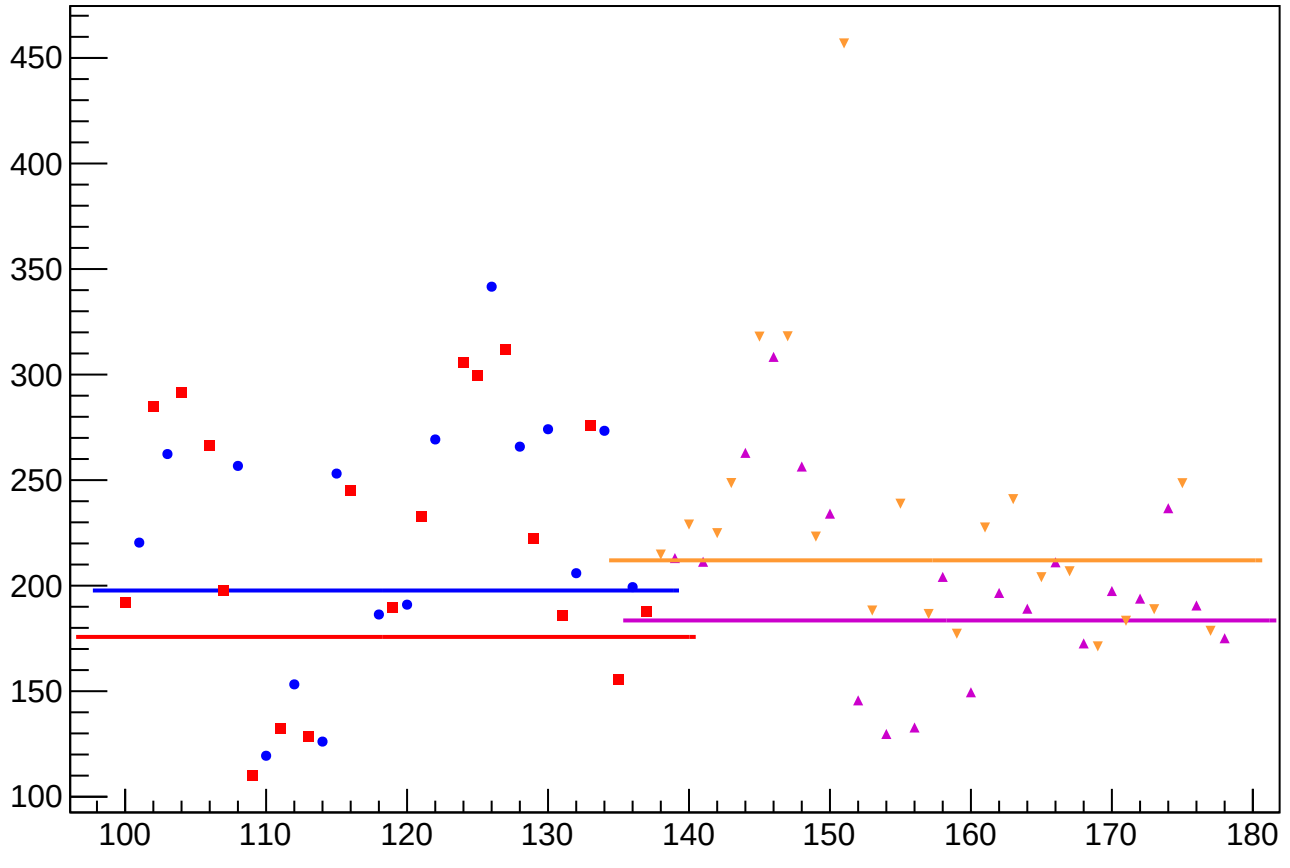
Left: 136.990+/-35.626 χ^2/NDF: 14.7/40

Right: -95.161+/-51.790 χ^2/NDF: 27.8/34

In: 77.528+/-40.584 χ^2/NDF:26.0/35

Out: 45.857+/-42.502 χ^2/NDF:29.9/39

All: 62.423+/-29.352 χ^2/NDF: 56.2/75



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: 183.516+/-0.034 χ^2/NDF:1545520.3/19

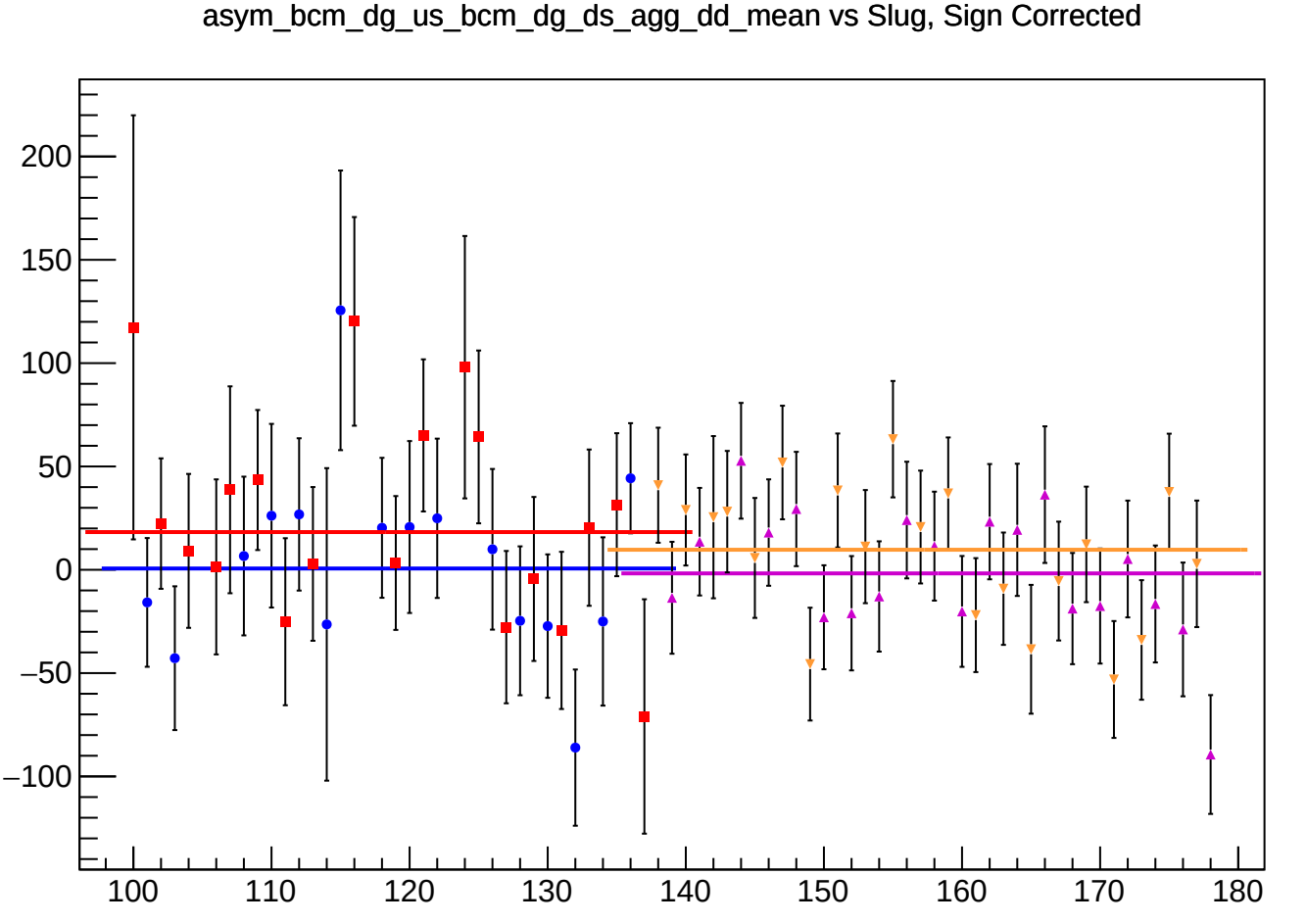
Left: 196.054+/-0.025 χ^2/NDF: 3146290.6/40

Right: 185.515+/-0.037 χ^2/NDF: 2679972.8/34

In: 187.399+/-0.029 χ^2/NDF:2594452.9/35

Out: 198.449+/-0.030 χ^2/NDF:3217312.7/39

All: 192.669+/-0.021 χ^2/NDF: 5882479.2/75



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: -1.747+/-6.224 χ^2/NDF:22.7/19

Left: 3.981+/-4.397 χ^2/NDF: 51.8/40

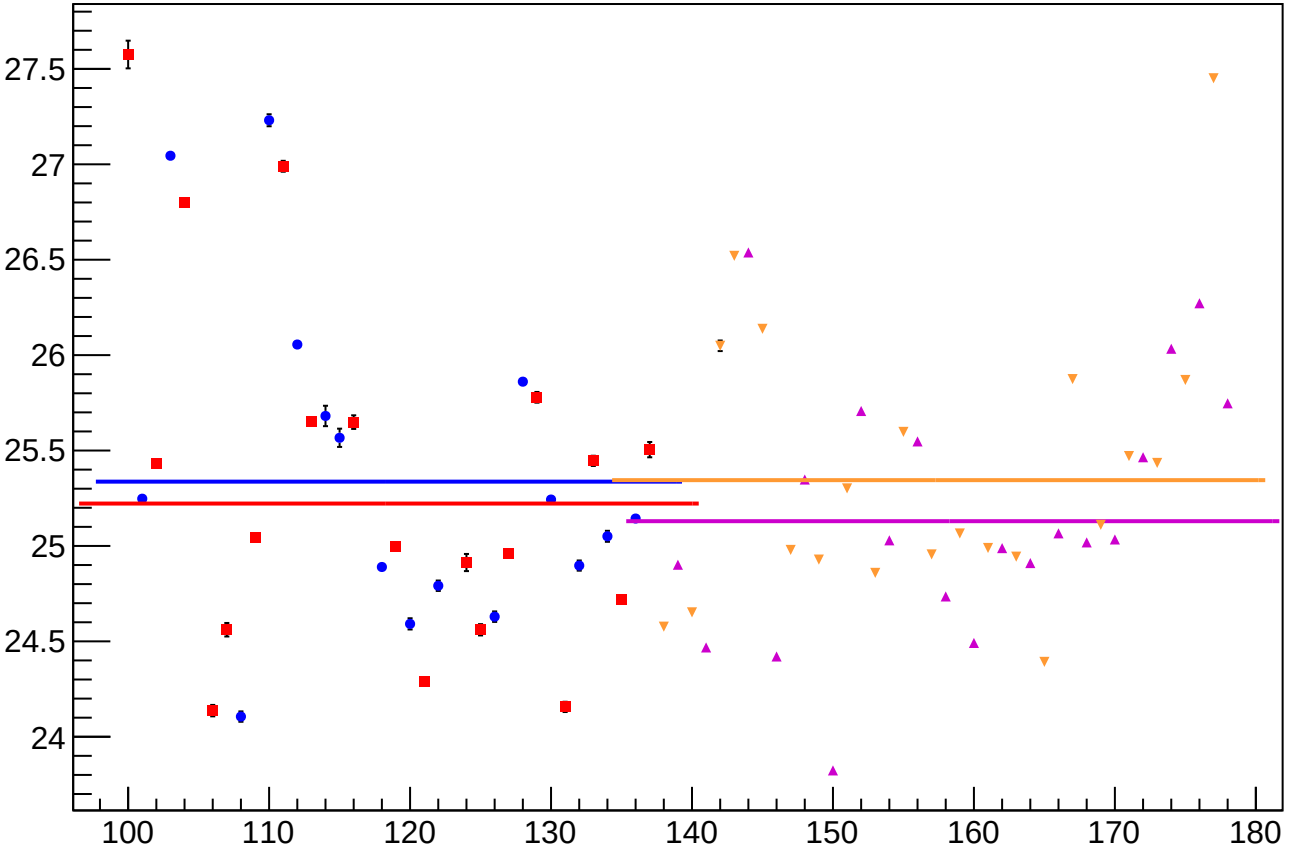
Right: 9.635+/-6.585 χ^2/NDF: 36.5/34

In: -1.028+/-5.193 χ^2/NDF:39.5/35

Out: 12.368+/-5.151 χ^2/NDF:46.0/39

All: 5.725+/-3.657 χ^2/NDF: 88.8/75

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: 25.130+/-0.004 χ^2/NDF:22381.3/19

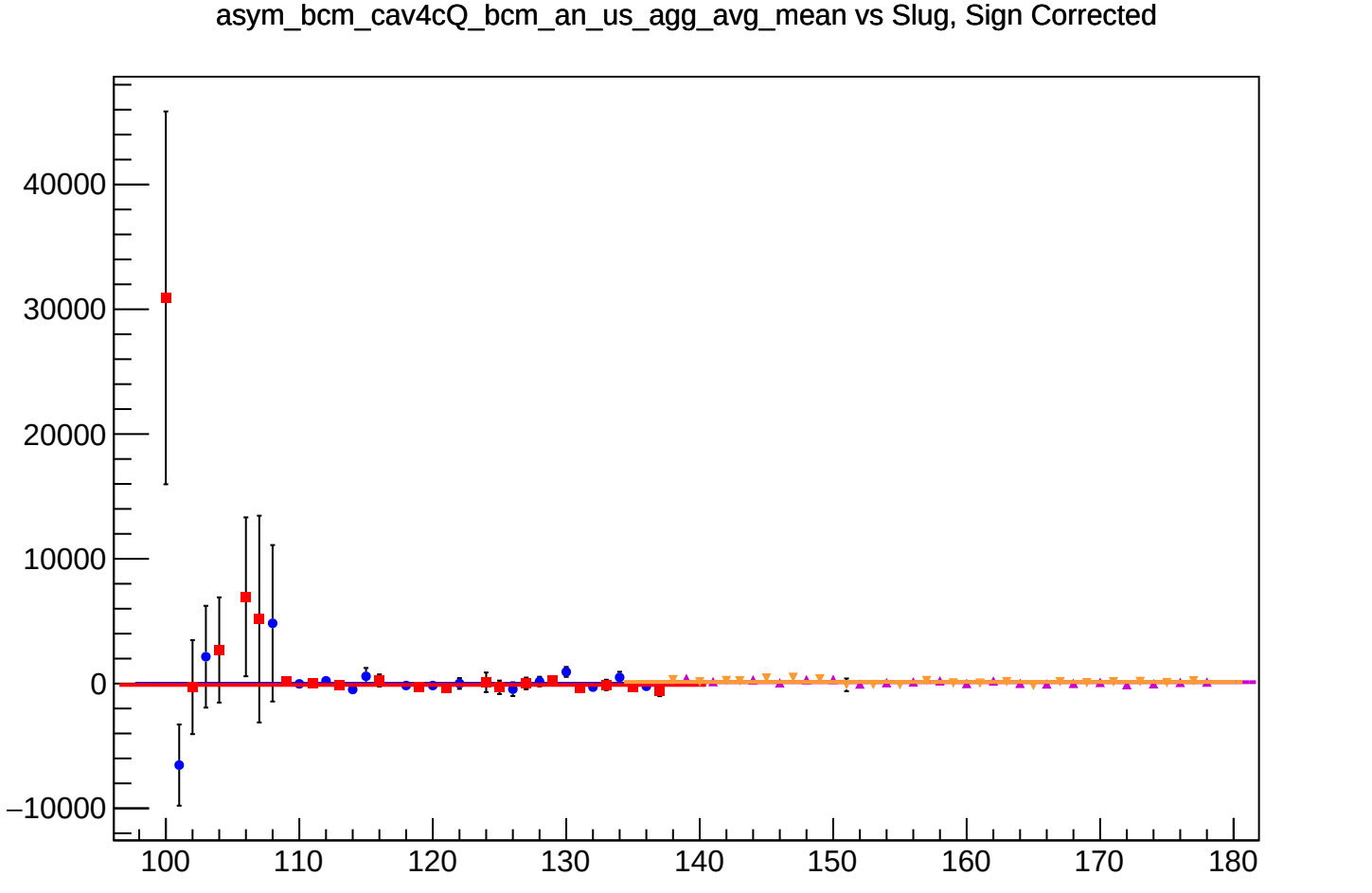
Left: 25.237+/-0.003 χ^2/NDF: 47667.9/40

Right: 25.278+/-0.005 χ^2/NDF: 29691.5/34

In: 25.193+/-0.004 χ^2/NDF:37370.0/35

Out: 25.306+/-0.004 χ^2/NDF:39559.4/39

All: 25.250+/-0.003 χ^2/NDF: 77412.6/75



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: 111.064+/-48.266 χ^2/NDF:6.5/19

Left: 119.589+/-35.965 χ^2/NDF: 14.0/40

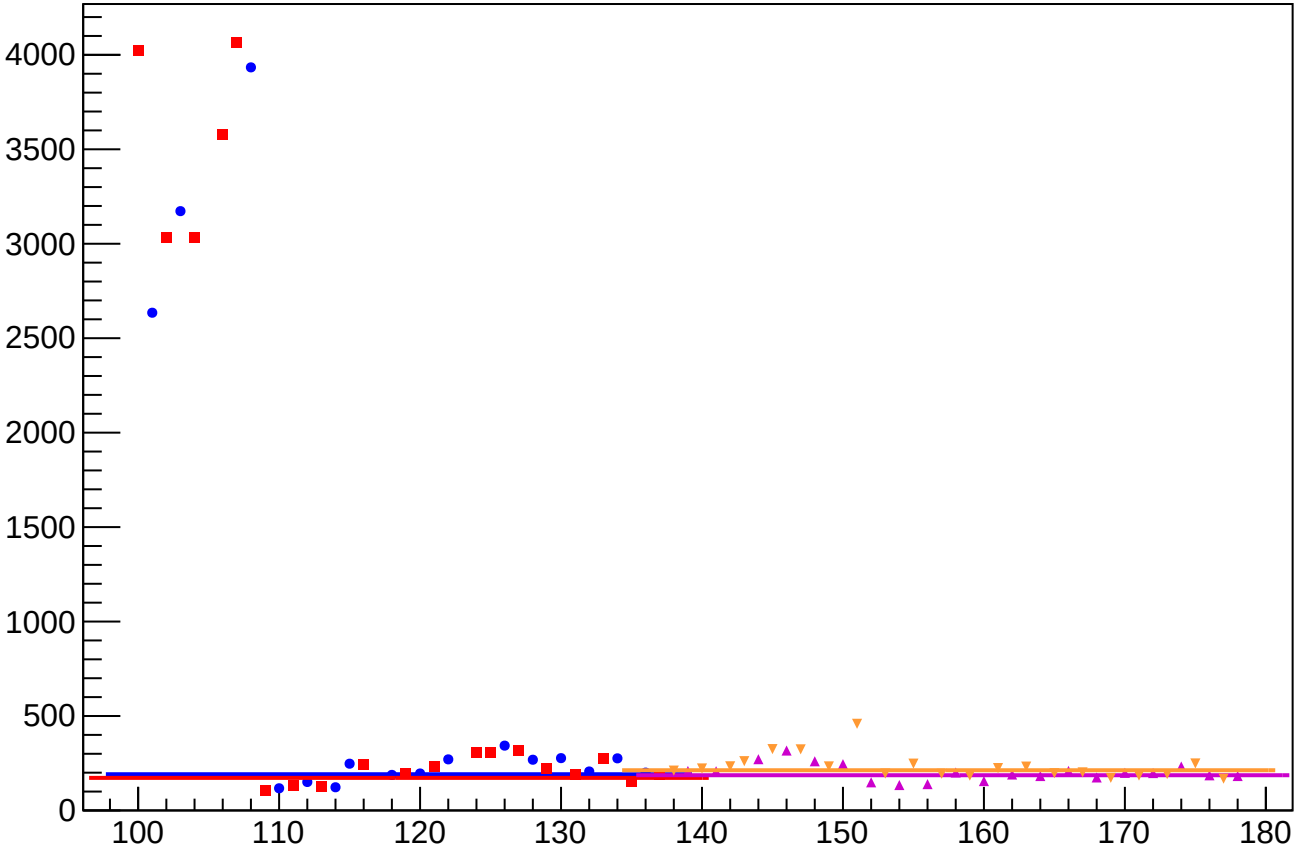
Right: -65.918+/-57.416 χ^2/NDF: 33.0/34

In: 80.053+/-41.935 χ^2/NDF:26.5/35

Out: 53.048+/-44.377 χ^2/NDF:27.8/39

All: 67.314+/-30.479 χ^2/NDF: 54.5/75

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: 186.495+/-0.034 χ^2/NDF:1406241.6/19

Left: 198.214+/-0.025 χ^2/NDF: 3007643.2/40

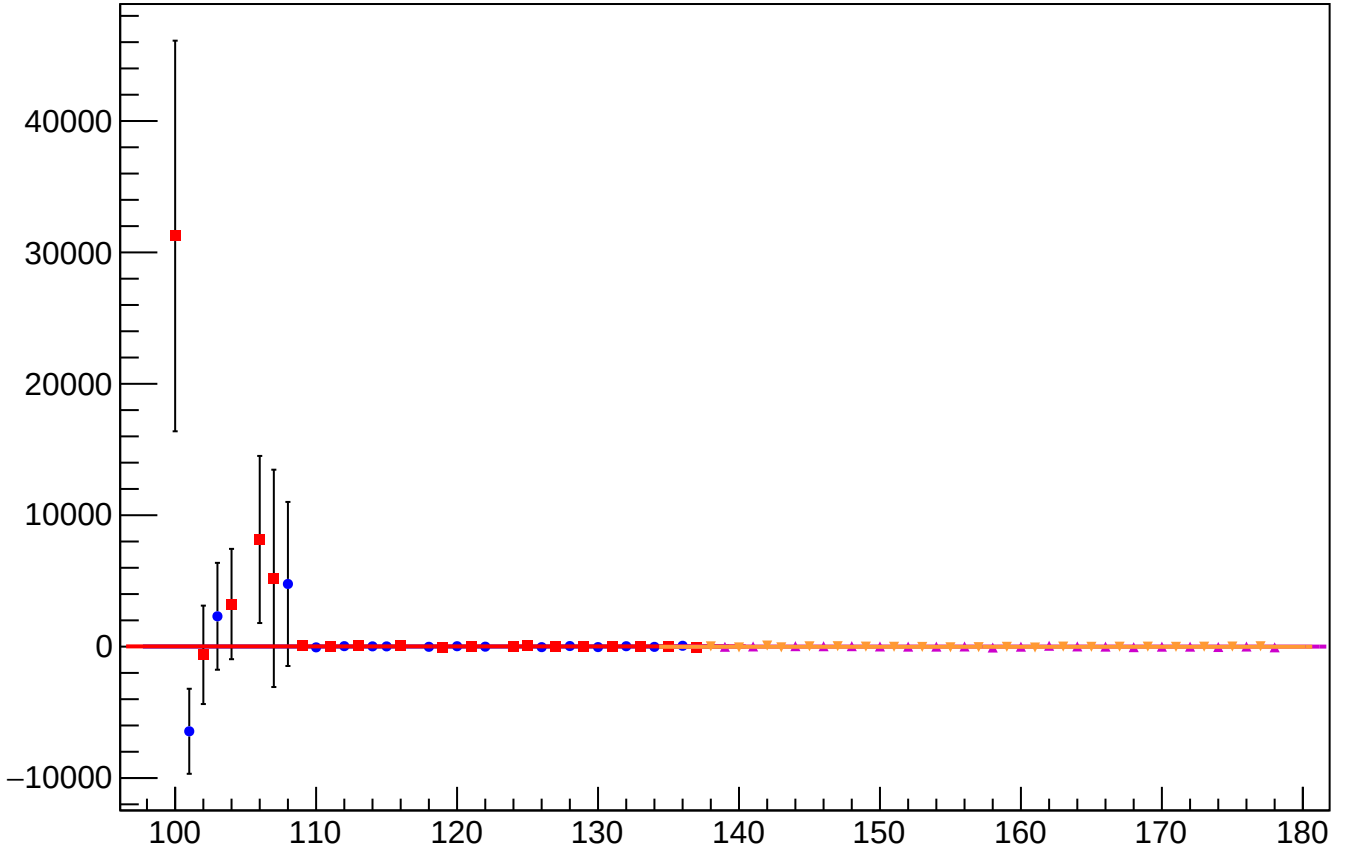
Right: 181.319+/-0.041 χ^2/NDF: 8180903.6/34

In: 187.779+/-0.030 χ^2/NDF:5233826.2/35

Out: 199.807+/-0.031 χ^2/NDF:6001490.9/39

All: 193.453+/-0.022 χ^2/NDF: 11312926.1/75

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 9.576+/-11.685 χ^2/NDF: 16.0/15

Left Out: -10.855+/-7.046 χ^2/NDF:19.7/20

Right Out: 18.105+/-11.805 χ^2/NDF: 24.8/18

Left In: 2.797+/-7.114 χ^2/NDF:20.3/19

Left: -4.094+/-5.006 χ^2/NDF: 41.9/40

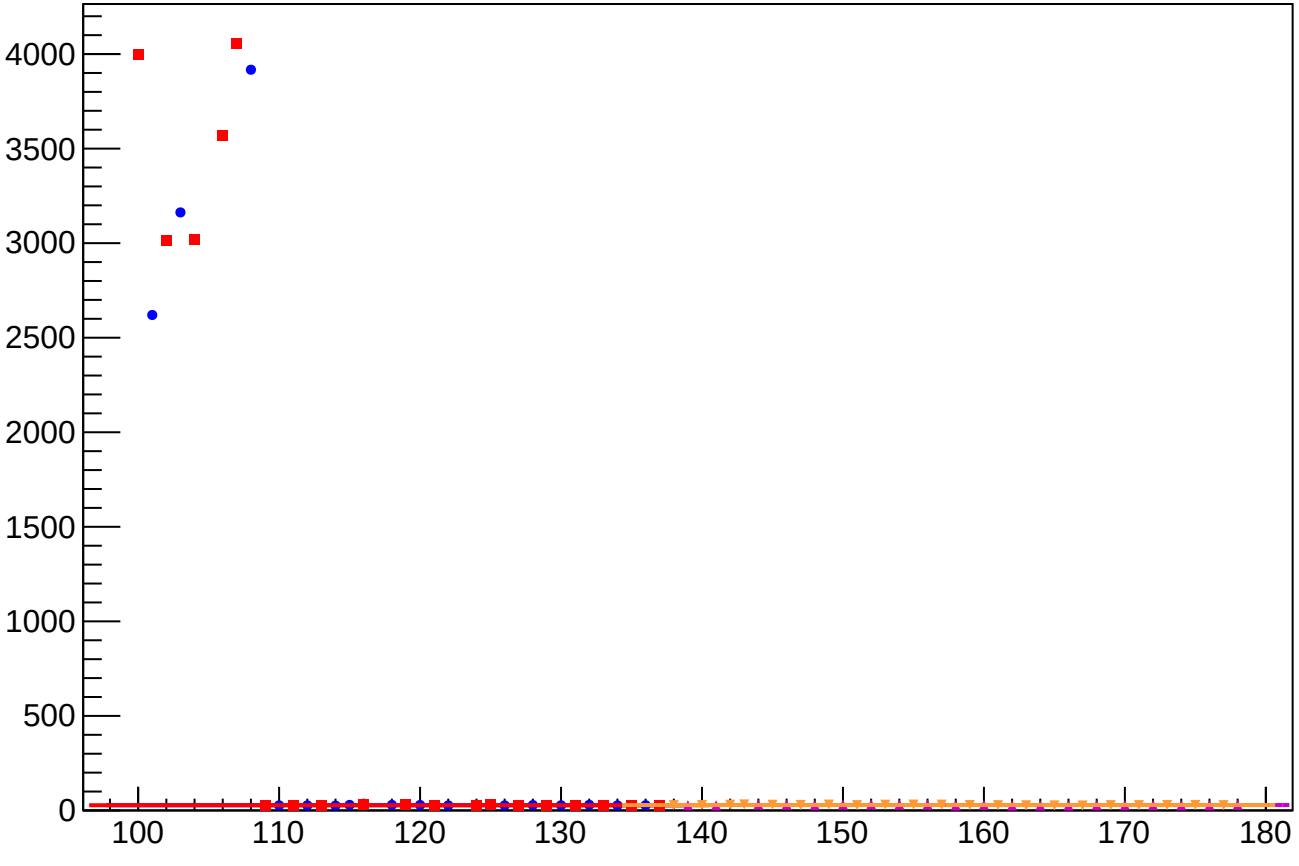
Right: 13.797+/-8.305 χ^2/NDF: 41.0/34

In: 4.631+/-6.076 χ^2/NDF:36.5/35

Out: -3.247+/-6.051 χ^2/NDF:48.9/39

All: 0.675+/-4.287 χ^2/NDF: 86.3/75

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: 28.649+/-0.005 χ^2/NDF:119964.6/19

Left: 28.670+/-0.004 χ^2/NDF: 203533.1/40

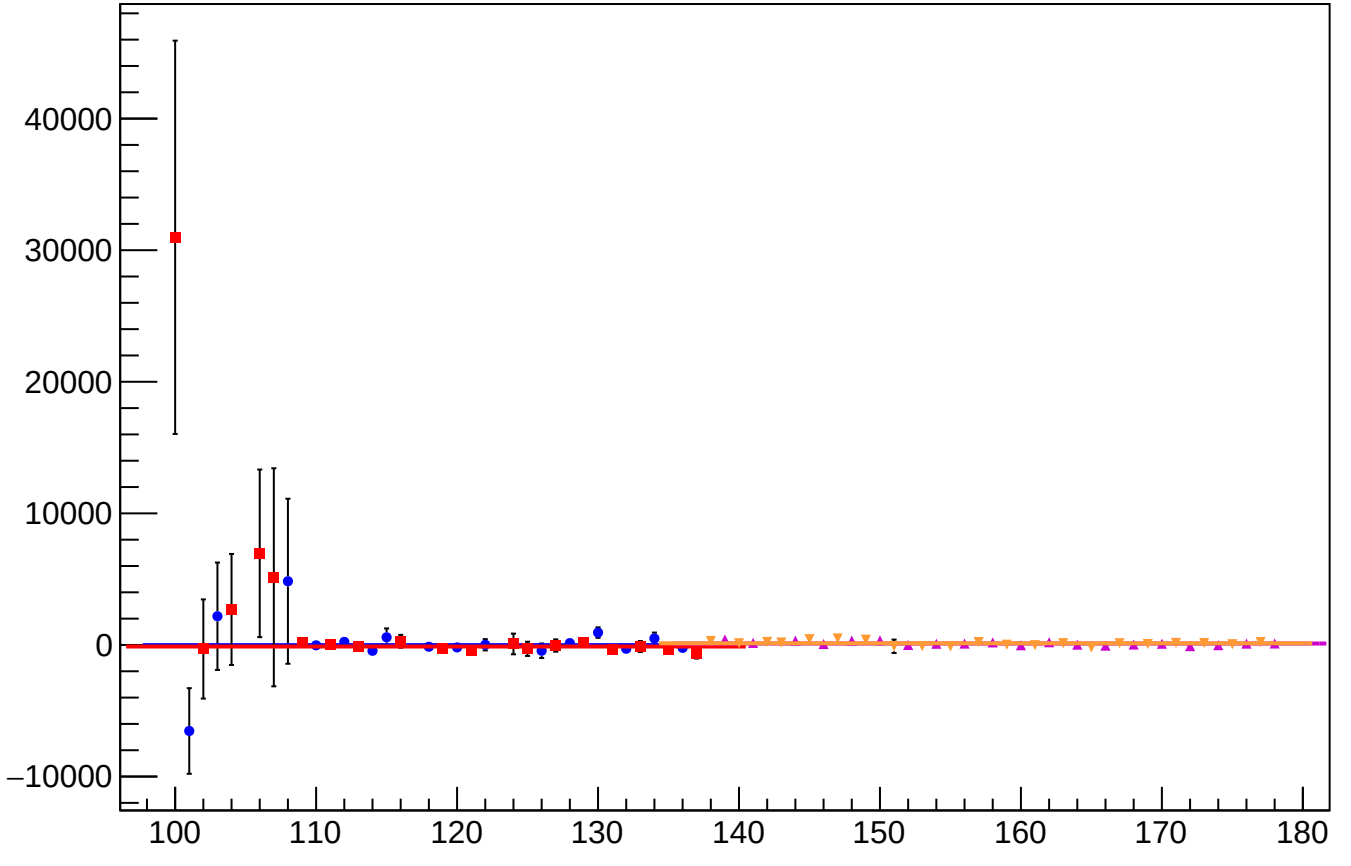
Right: 27.589+/-0.006 χ^2/NDF: 6820810.9/34

In: 28.377+/-0.004 χ^2/NDF:3396313.0/35

Out: 28.387+/-0.004 χ^2/NDF:3652914.6/39

All: 28.382+/-0.003 χ^2/NDF: 7049230.7/75

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: 108.033+/-48.170 χ^2/NDF:6.7/19

Left: 115.772+/-35.890 χ^2/NDF: 15.0/40

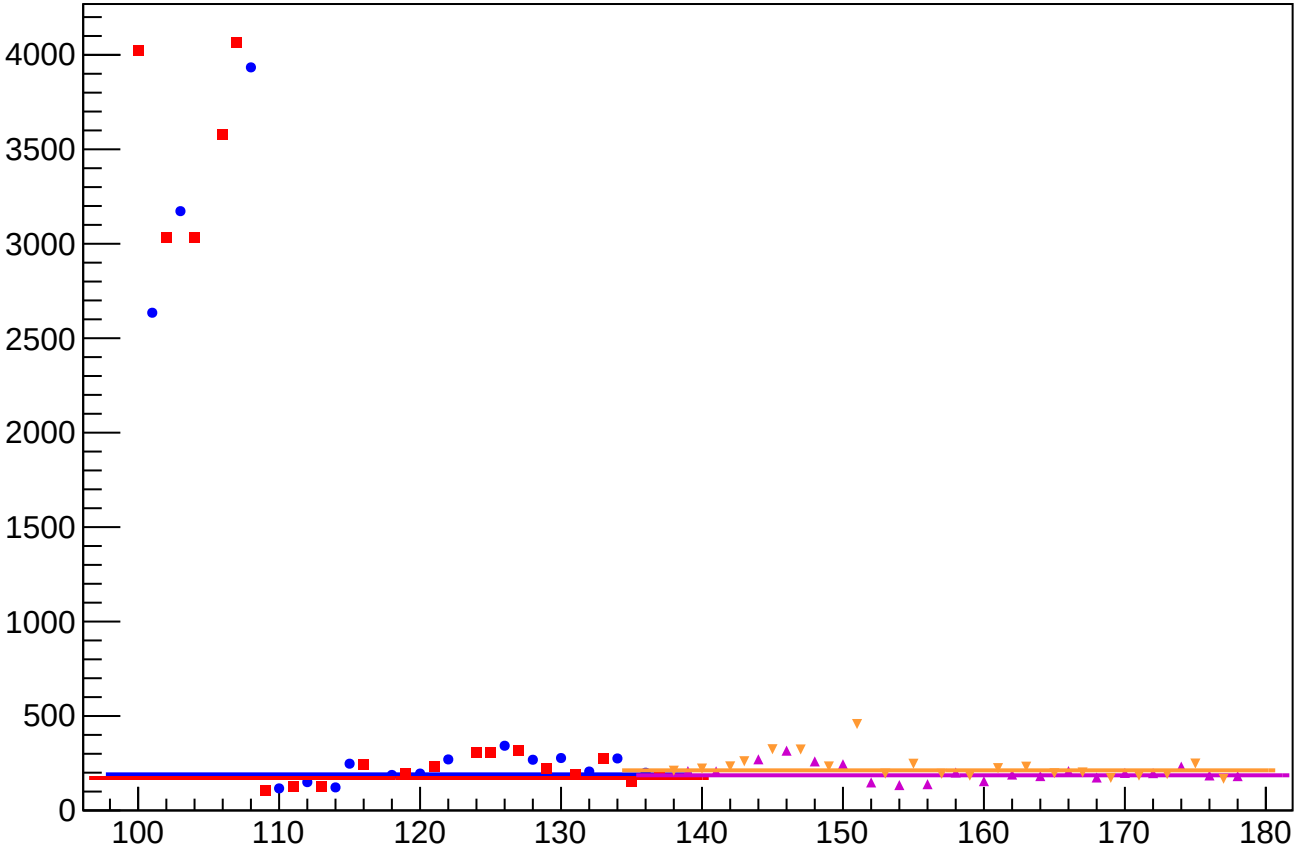
Right: -69.865+/-57.246 χ^2/NDF: 33.6/34

In: 78.285+/-41.842 χ^2/NDF:26.6/35

Out: 46.727+/-44.267 χ^2/NDF:29.3/39

All: 63.394+/-30.408 χ^2/NDF: 56.2/75

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: 186.125+/-0.034 χ^2/NDF:1405794.8/19

Left: 197.803+/-0.025 χ^2/NDF: 3007150.6/40

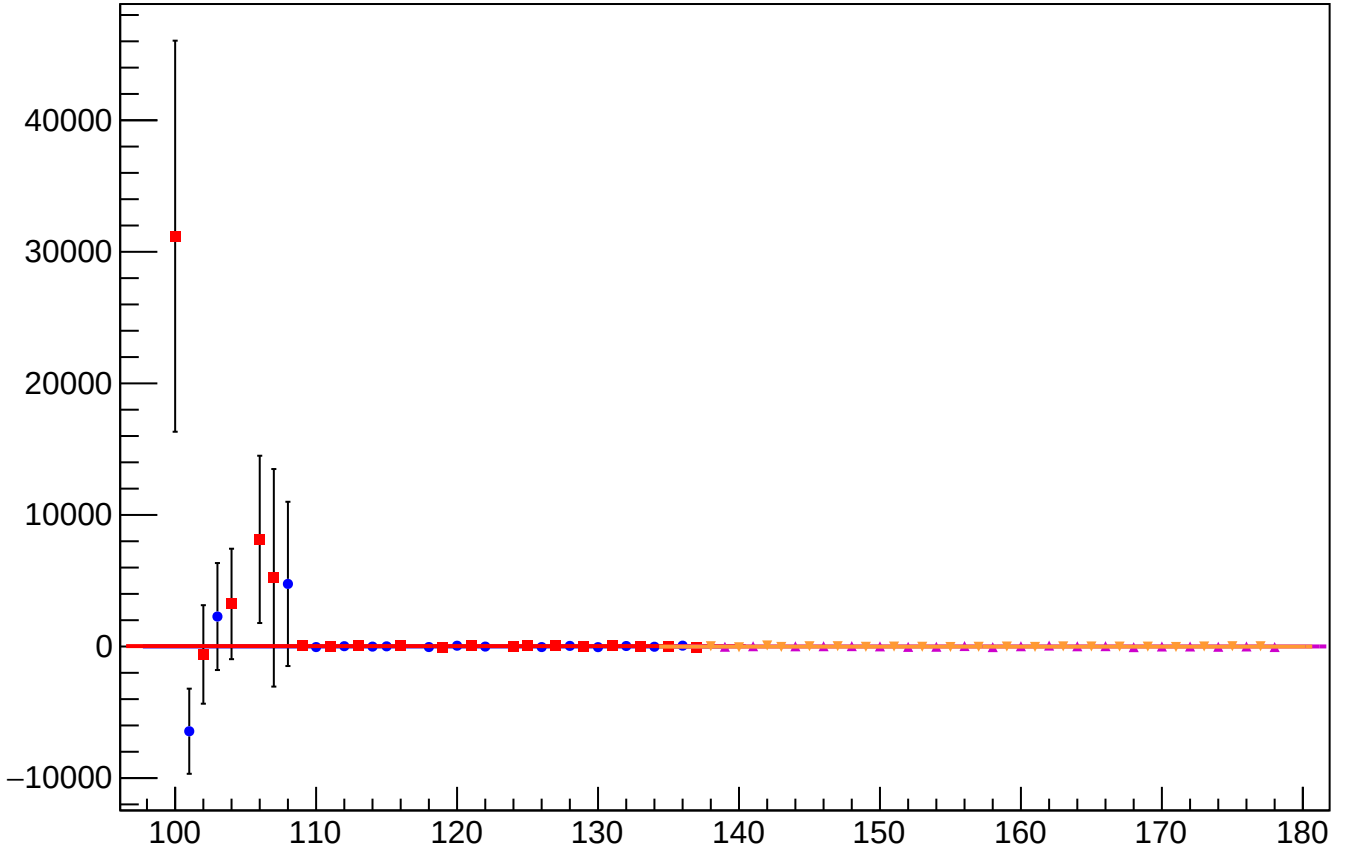
Right: 180.673+/-0.040 χ^2/NDF: 8204752.1/34

In: 187.339+/-0.030 χ^2/NDF:5244920.1/35

Out: 199.271+/-0.031 χ^2/NDF:6018792.0/39

All: 192.969+/-0.022 χ^2/NDF: 11340457.8/75

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -6.751+/-7.087 χ^2/NDF:13.6/20

Right Out: 30.962+/-11.902 χ^2/NDF: 19.9/18

Left In: 4.735+/-7.148 χ^2/NDF:18.3/19

Left: -1.057+/-5.033 χ^2/NDF: 33.3/40

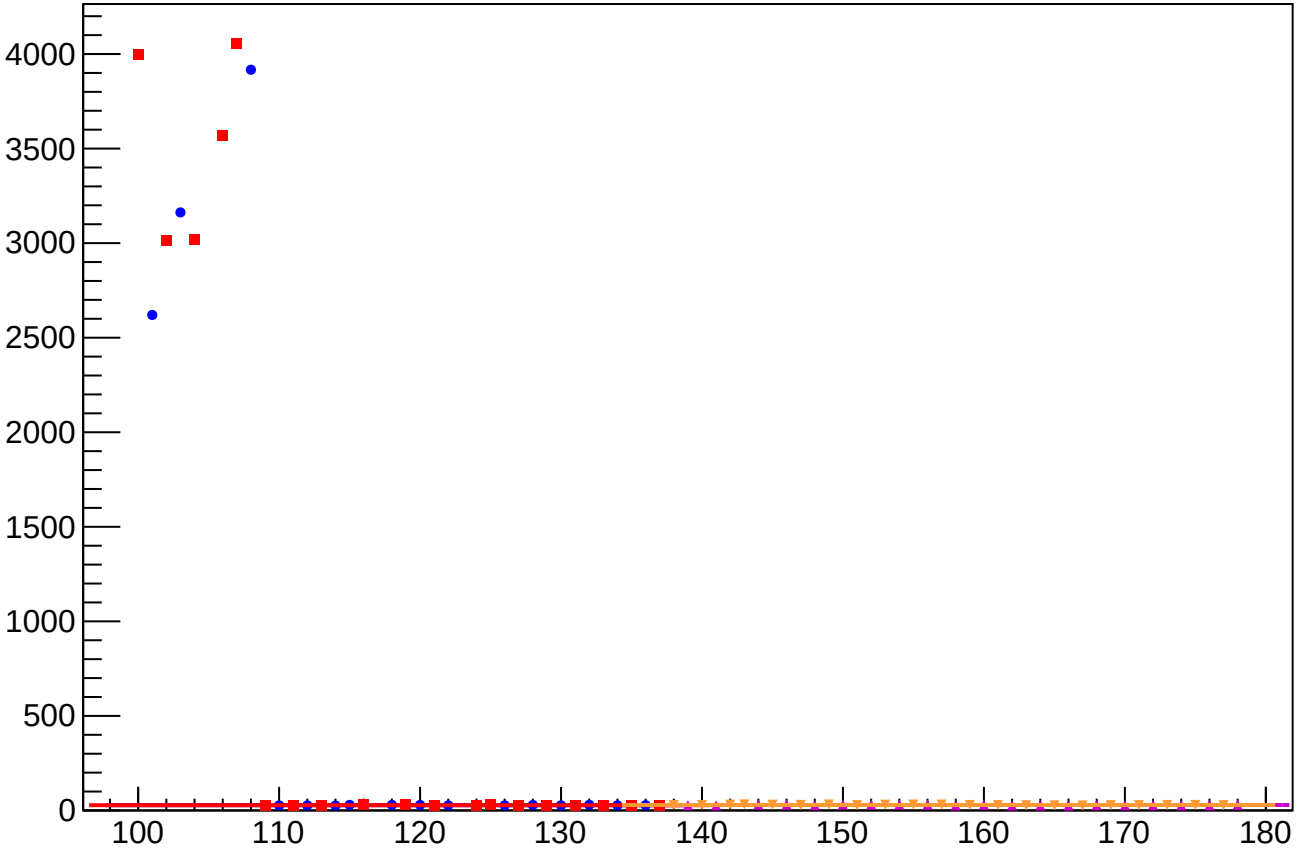
Right: 18.584+/-8.367 χ^2/NDF: 40.3/34

In: 5.208+/-6.109 χ^2/NDF:36.6/35

Out: 3.122+/-6.089 χ^2/NDF:40.9/39

All: 4.161+/-4.313 χ^2/NDF: 77.6/75

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: 28.787+/-0.005 χ^2/NDF:123668.3/19

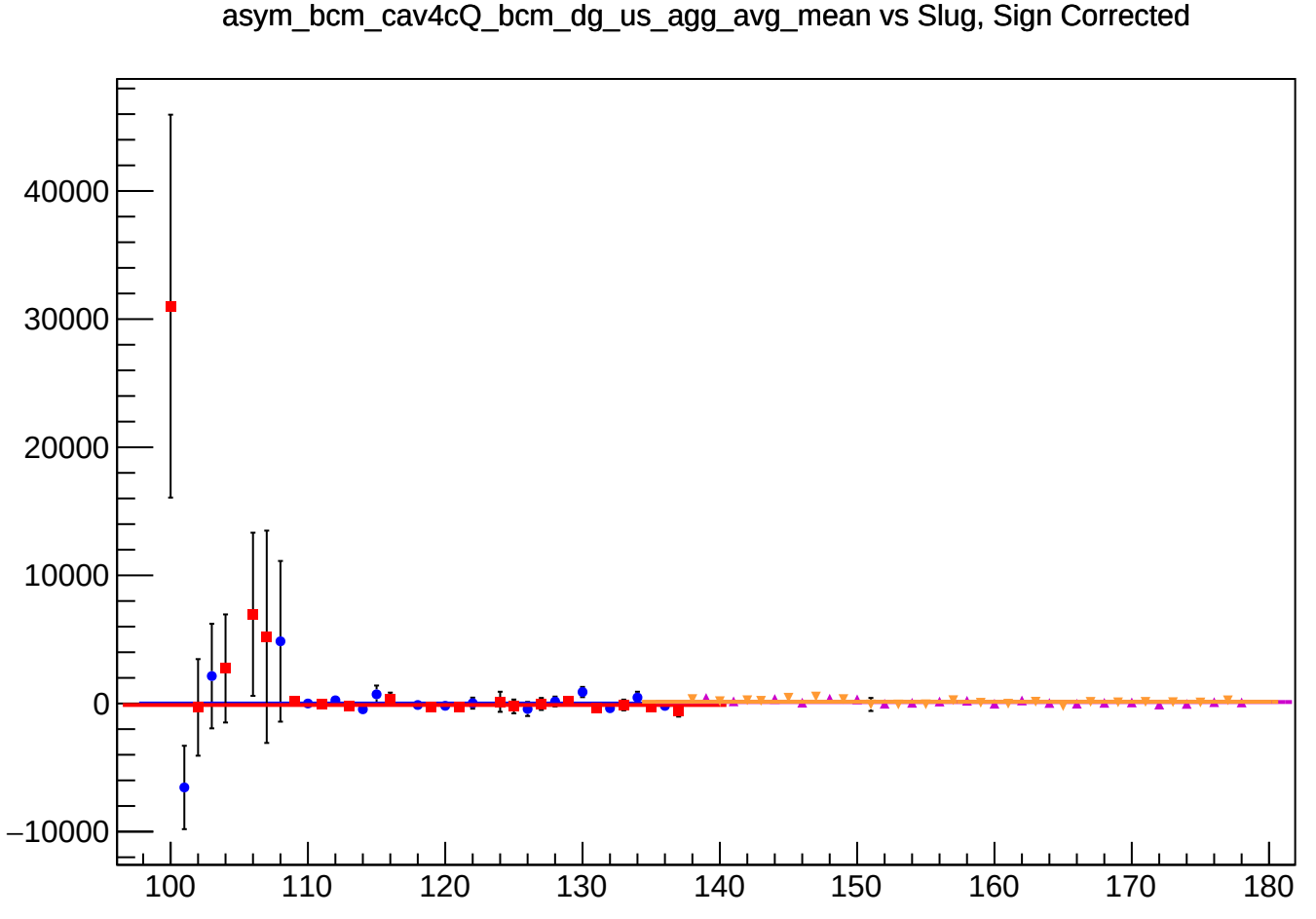
Left: 28.820+/-0.004 χ^2/NDF: 215013.3/40

Right: 27.790+/-0.006 χ^2/NDF: 6824608.5/34

In: 28.528+/-0.004 χ^2/NDF:3399344.7/35

Out: 28.565+/-0.004 χ^2/NDF:3662520.8/39

All: 28.546+/-0.003 χ^2/NDF: 7061901.7/75



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: 115.136+/-48.659 χ^2/NDF:7.3/19

Left: 124.379+/-36.241 χ^2/NDF: 15.5/40

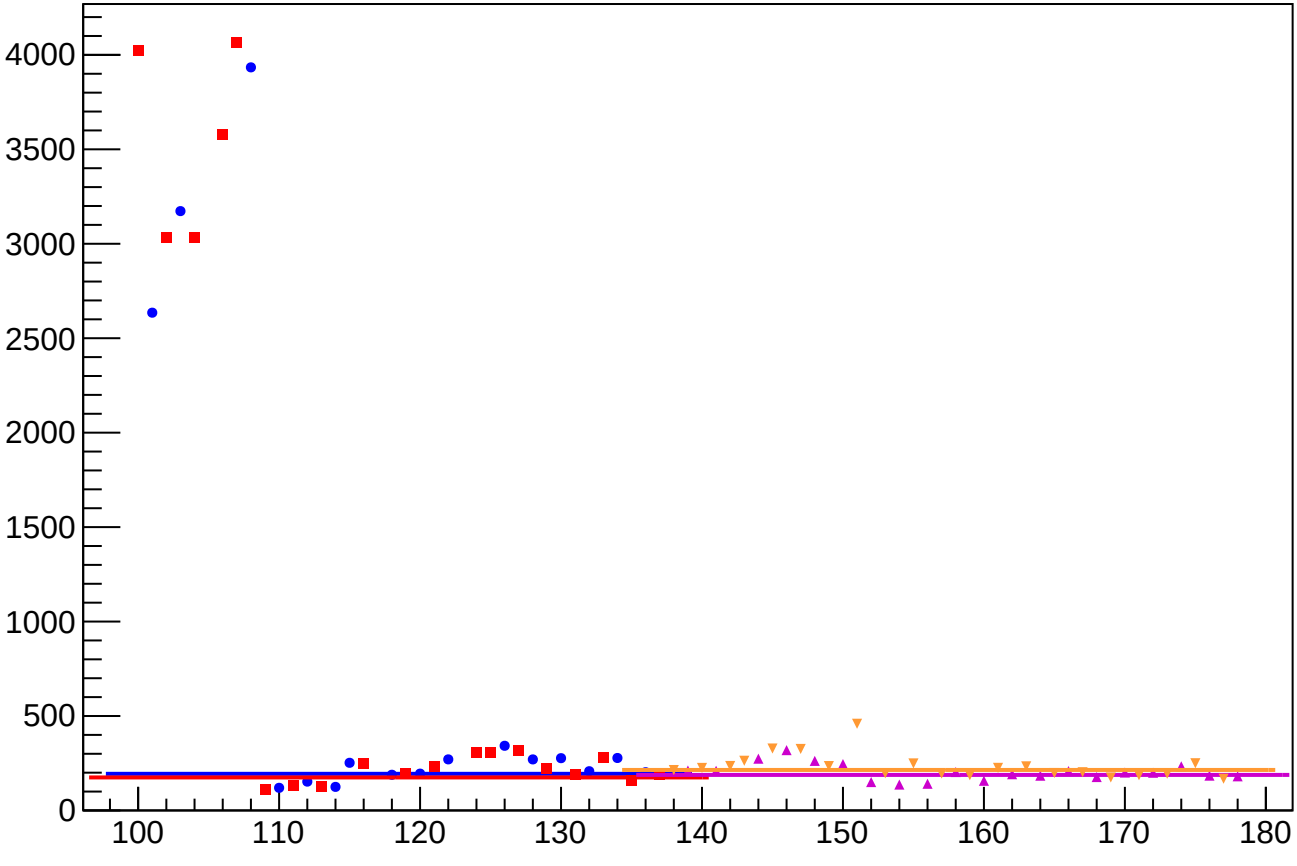
Right: -63.770+/-58.007 χ^2/NDF: 33.0/34

In: 86.288+/-42.291 χ^2/NDF:26.9/35

Out: 55.063+/-44.746 χ^2/NDF:28.9/39

All: 71.556+/-30.736 χ^2/NDF: 56.1/75

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: 188.159+/-0.034 χ^2/NDF:1376449.8/19

Left: 199.853+/-0.026 χ^2/NDF: 2968307.2/40

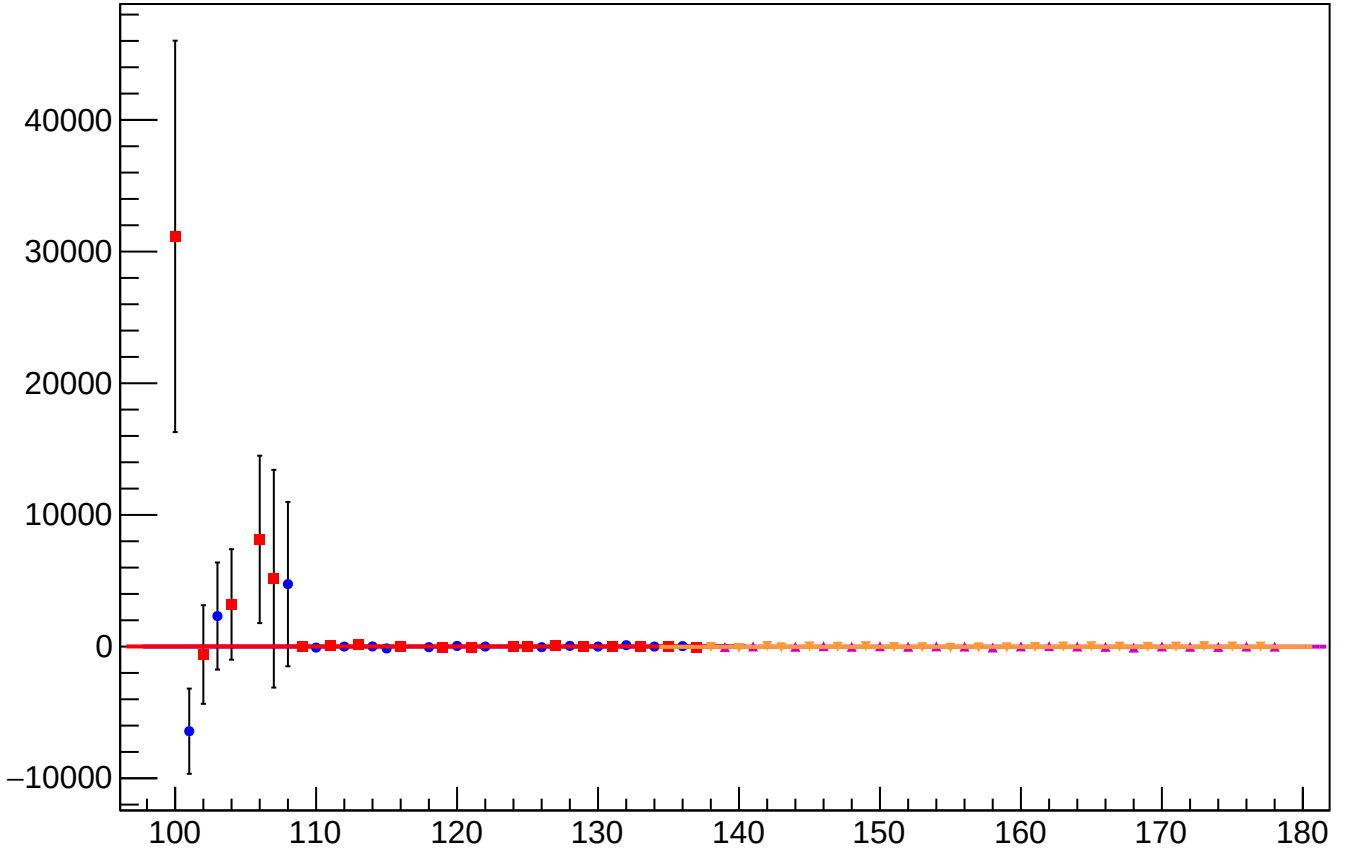
Right: 183.600+/-0.041 χ^2/NDF: 8098034.9/34

In: 189.575+/-0.030 χ^2/NDF:5167837.9/35

Out: 201.688+/-0.032 χ^2/NDF:5934016.5/39

All: 195.290+/-0.022 χ^2/NDF: 11179272.9/75

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: -2.708+/-8.560 χ^2/NDF:12.2/19

Left: -12.493+/-6.018 χ^2/NDF: 35.4/40

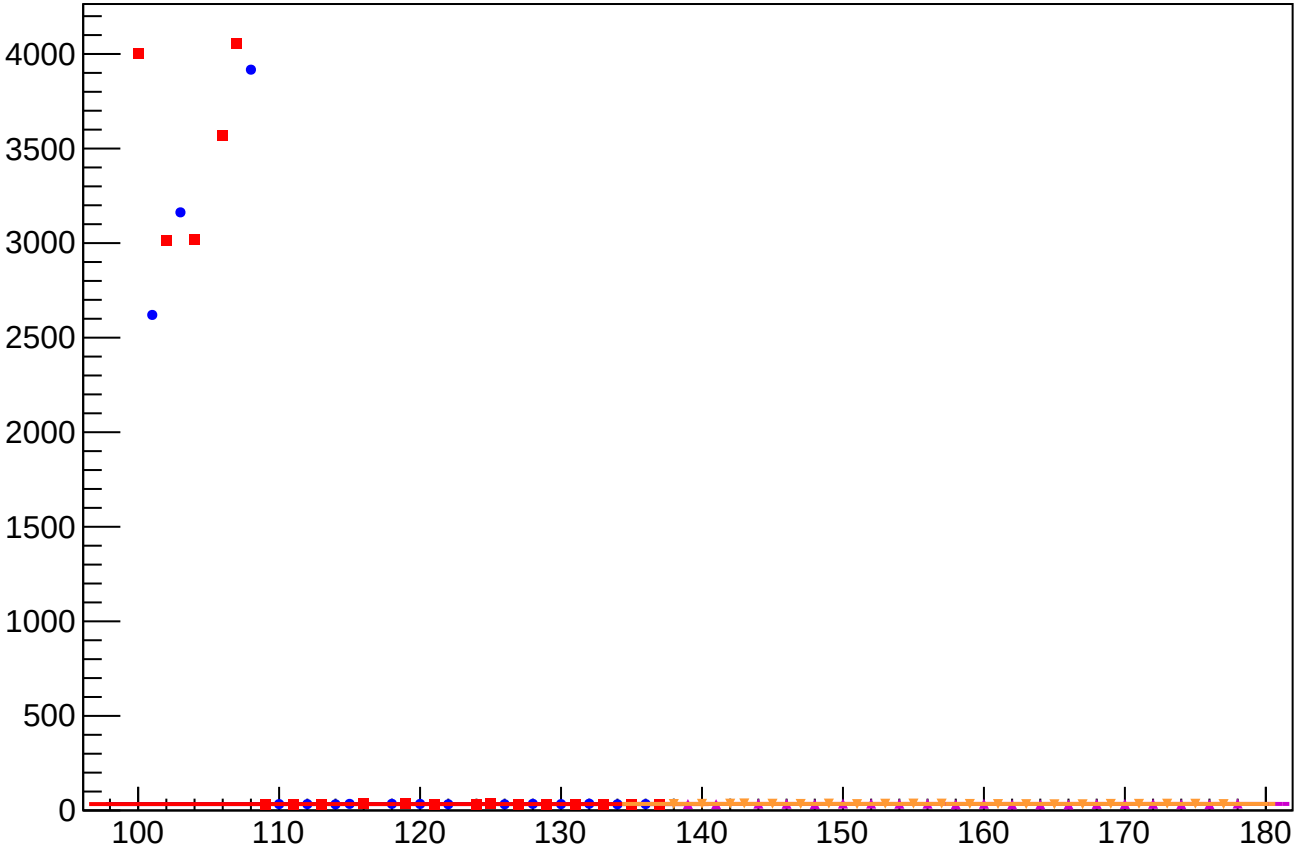
Right: 7.813+/-10.160 χ^2/NDF: 40.9/34

In: -0.502+/-7.345 χ^2/NDF:29.9/35

Out: -13.854+/-7.300 χ^2/NDF:47.8/39

All: -7.219+/-5.178 χ^2/NDF: 79.3/75

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: 34.535+/-0.006 χ^2/NDF:57683.9/19

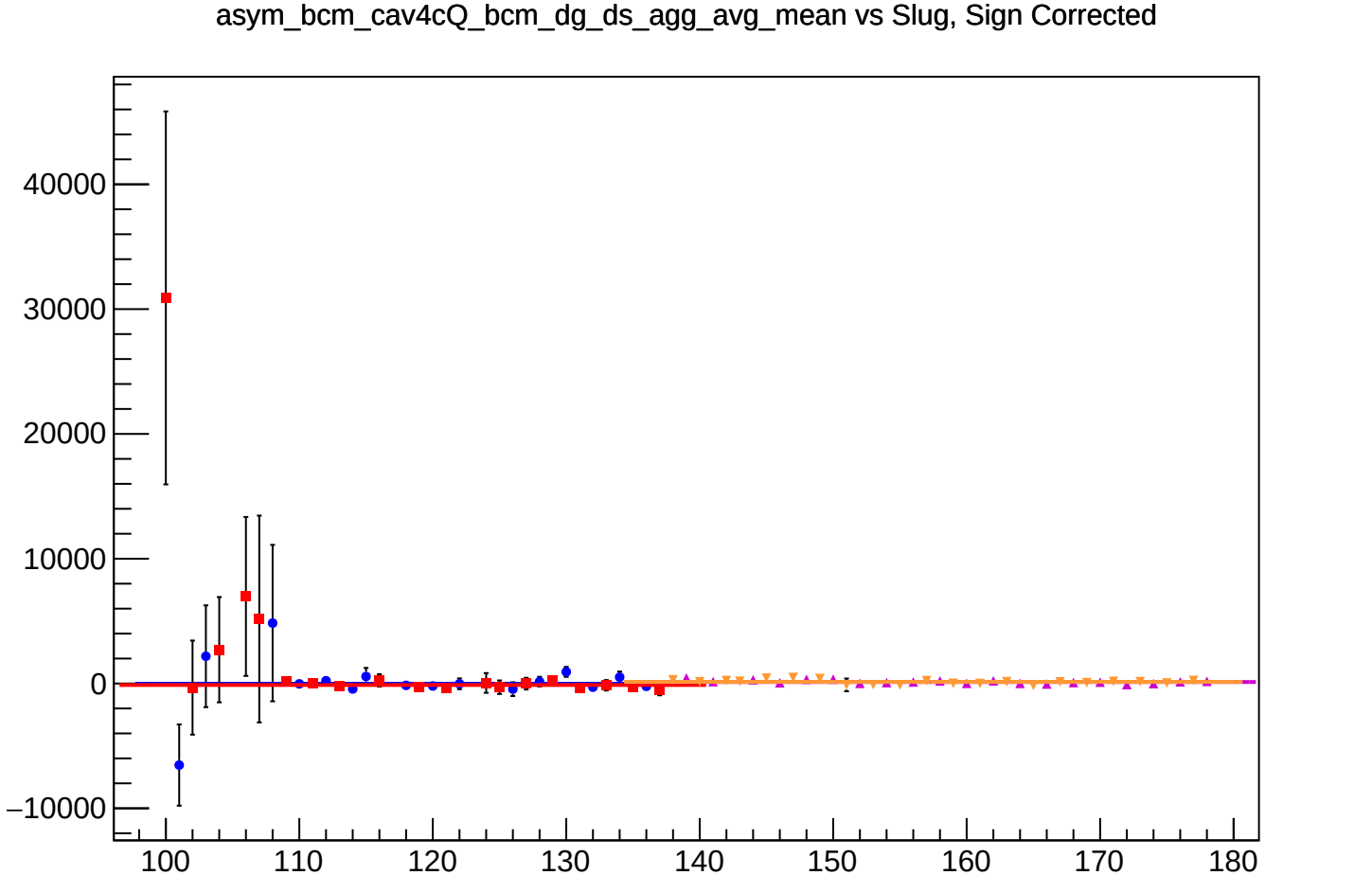
Left: 34.520+/-0.004 χ^2/NDF: 98305.7/40

Right: 33.814+/-0.007 χ^2/NDF: 6770991.8/34

In: 34.368+/-0.005 χ^2/NDF:3304973.5/35

Out: 34.306+/-0.005 χ^2/NDF:3571420.2/39

All: 34.337+/-0.004 χ^2/NDF: 6876463.1/75



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: 120.701+/-48.611 χ^2/NDF:6.6/19

Left: 125.133+/-36.204 χ^2/NDF: 14.7/40

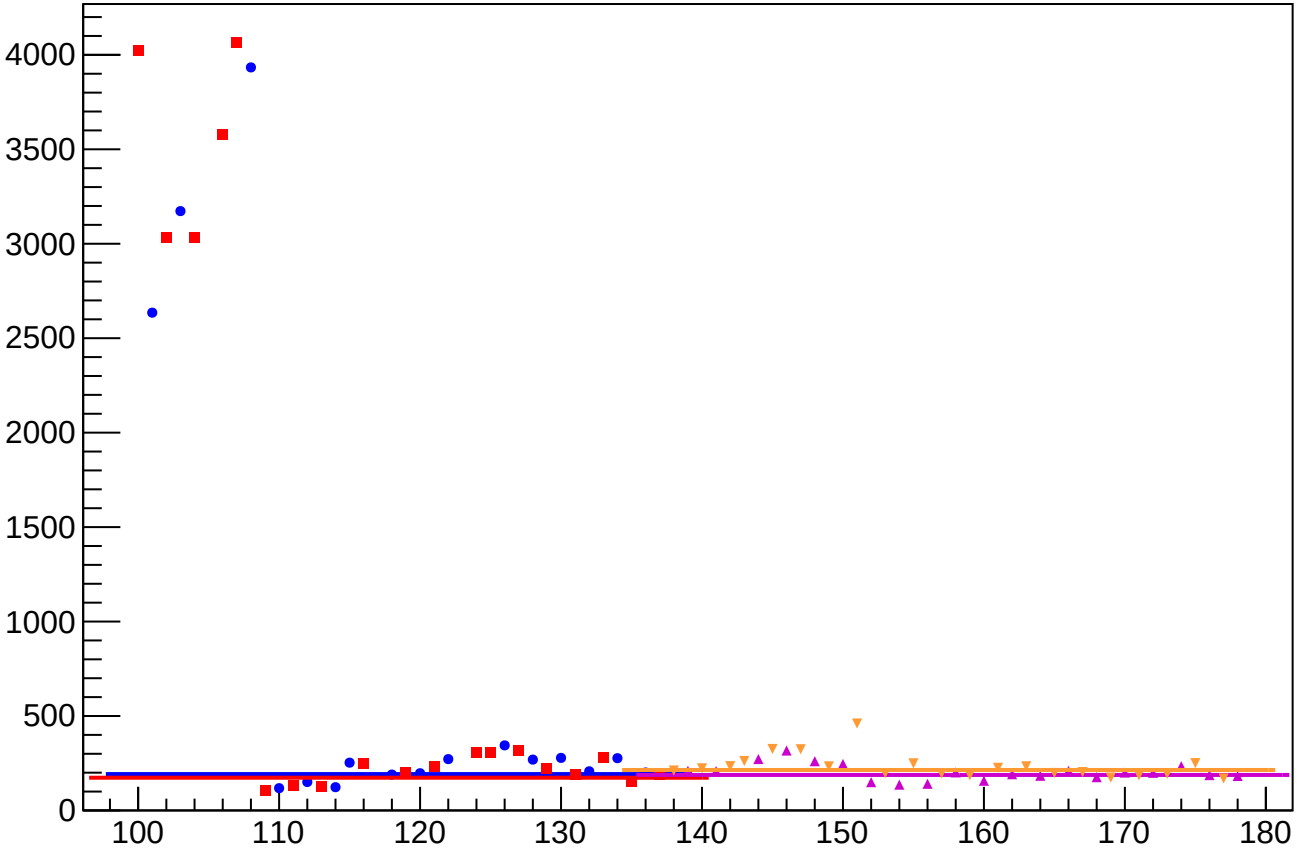
Right: -73.773+/-57.671 χ^2/NDF: 32.2/34

In: 86.180+/-42.206 χ^2/NDF:26.9/35

Out: 49.593+/-44.623 χ^2/NDF:28.3/39

All: 68.905+/-30.663 χ^2/NDF: 55.5/75

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: 187.973+/-0.034 χ^2/NDF:1365707.7/19

Left: 199.662+/-0.026 χ^2/NDF: 2942711.2/40

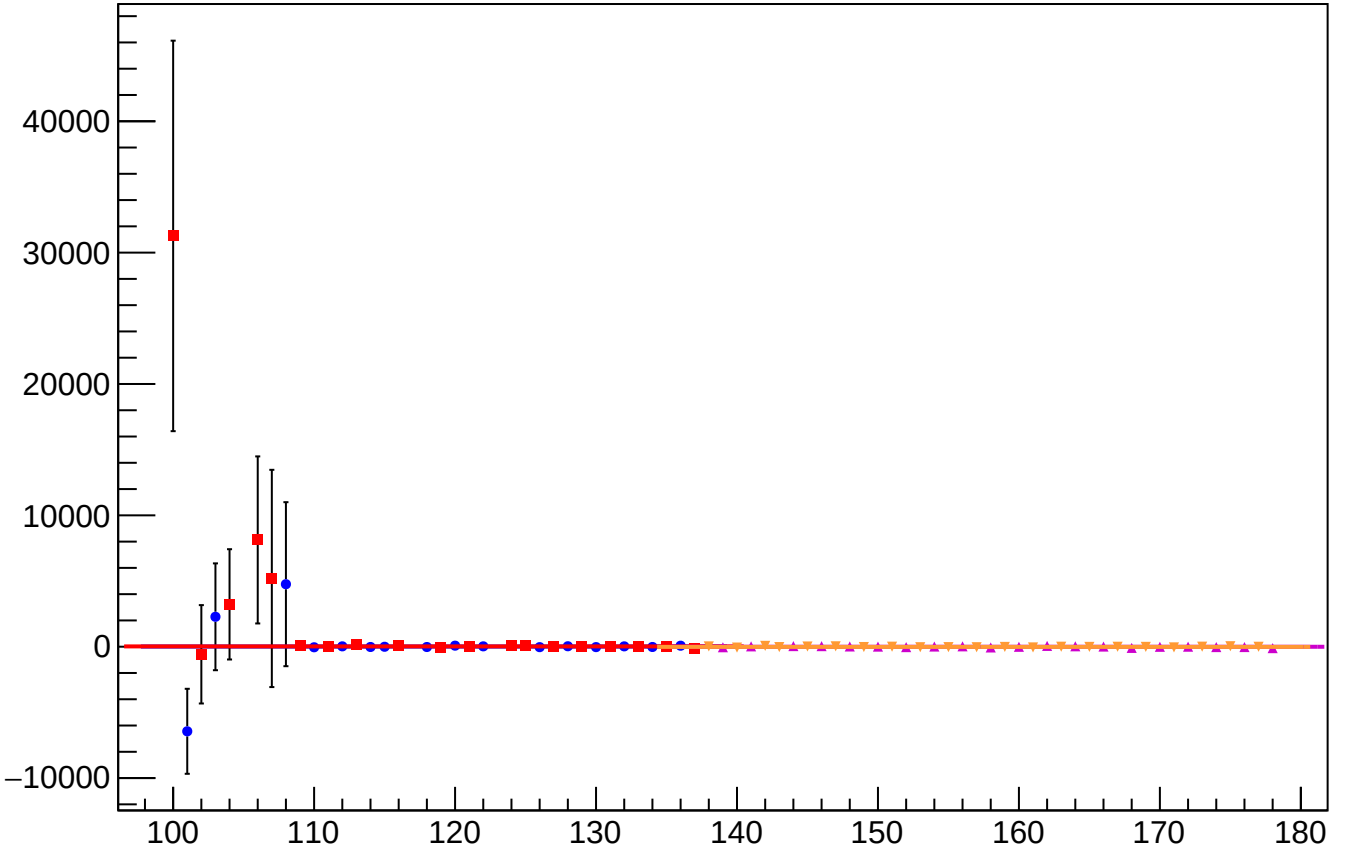
Right: 182.125+/-0.041 χ^2/NDF: 8185907.1/34

In: 189.103+/-0.030 χ^2/NDF:5192880.0/35

Out: 200.966+/-0.032 χ^2/NDF:5993773.0/39

All: 194.704+/-0.022 χ^2/NDF: 11261264.4/75

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: -4.689+/-7.777 χ^2/NDF:32.0/19

Left: -9.000+/-5.470 χ^2/NDF: 47.7/40

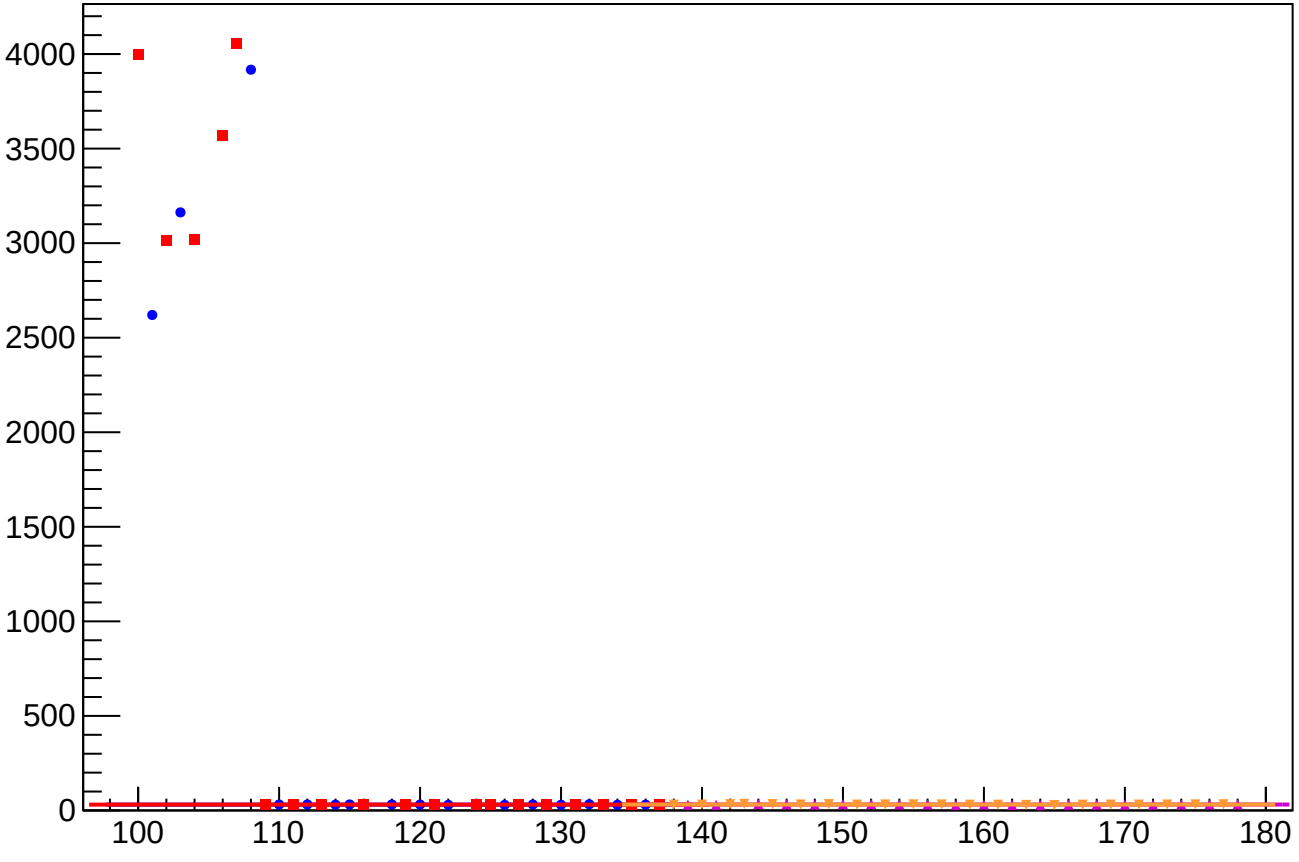
Right: 18.428+/-9.278 χ^2/NDF: 44.4/34

In: 0.127+/-6.683 χ^2/NDF:48.9/35

Out: -3.954+/-6.645 χ^2/NDF:49.6/39

All: -1.925+/-4.712 χ^2/NDF: 98.6/75

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: 31.346+/-0.005 χ^2/NDF:83916.4/19

Left: 31.348+/-0.004 χ^2/NDF: 146406.0/40

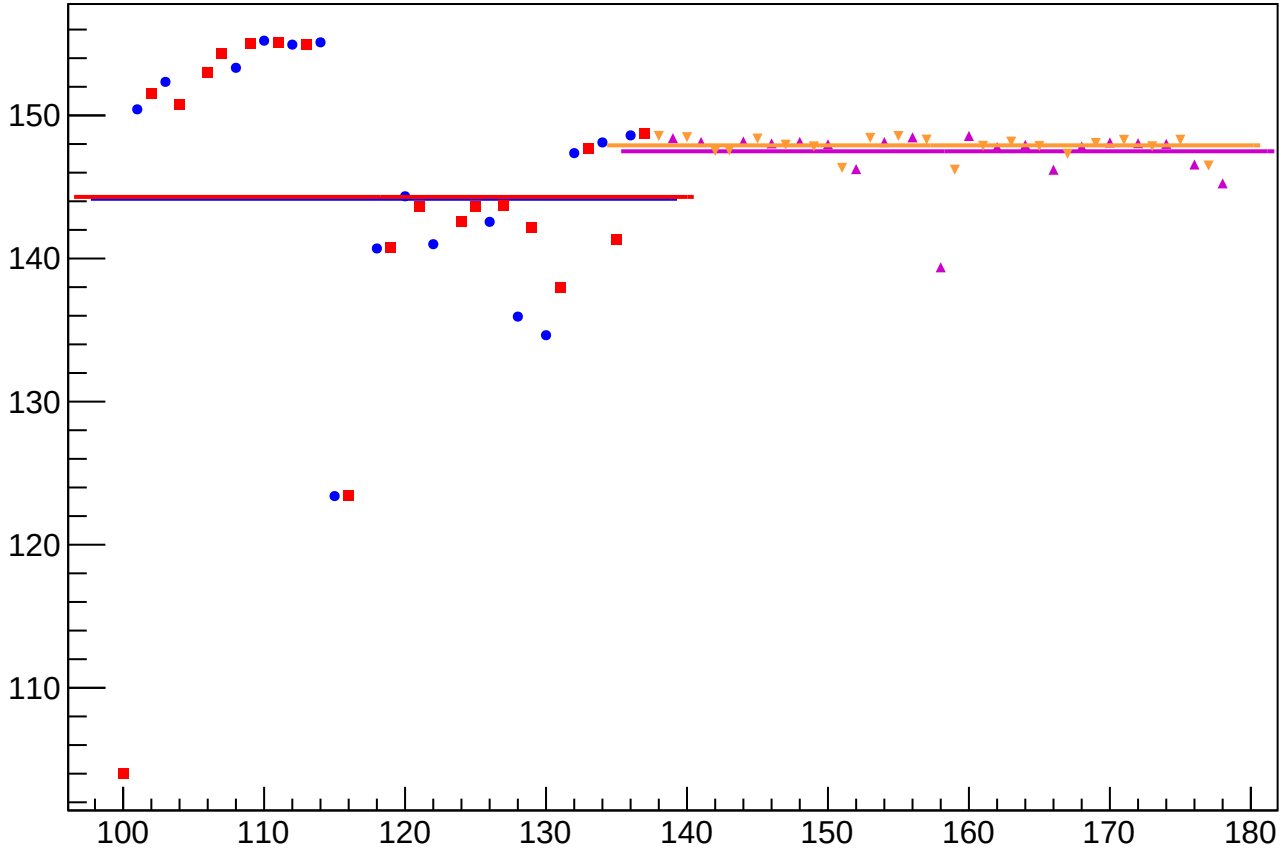
Right: 30.853+/-0.007 χ^2/NDF: 6788975.5/34

In: 31.237+/-0.005 χ^2/NDF:3338032.2/35

Out: 31.204+/-0.005 χ^2/NDF:3601540.7/39

All: 31.220+/-0.003 χ^2/NDF: 6939596.6/75

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: 147.493+/-0.000 χ^2/NDF:306018280.1/19

Left: 147.708+/-0.000 χ^2/NDF: 353657299.0/40

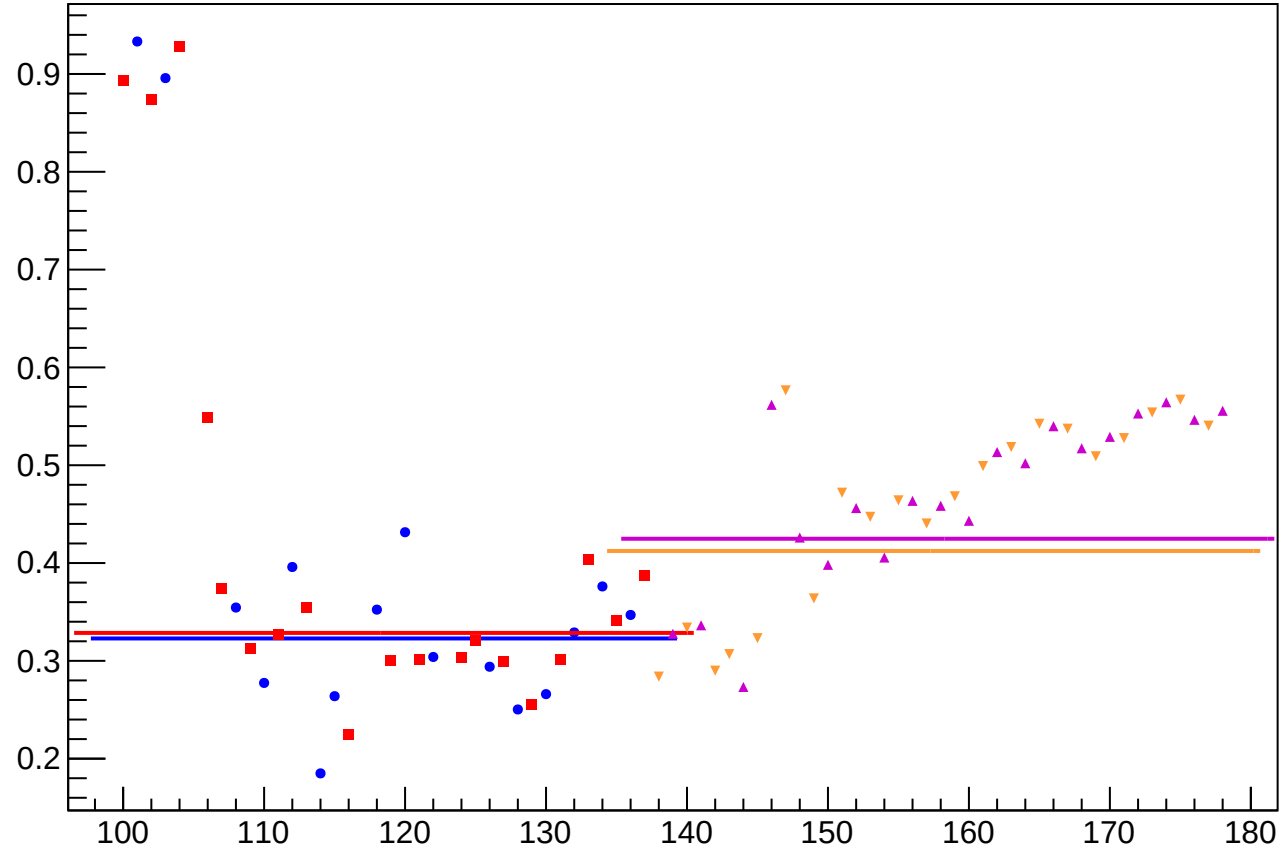
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 146.144+/-0.000 χ^2/NDF:4403221860.5/35

Out: 146.513+/-0.000 χ^2/NDF:4754174354.3/39

All: 146.332+/-0.000 χ^2/NDF: 9167154865.0

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: 0.425+/-0.000 χ^2/NDF:1519236.7/19

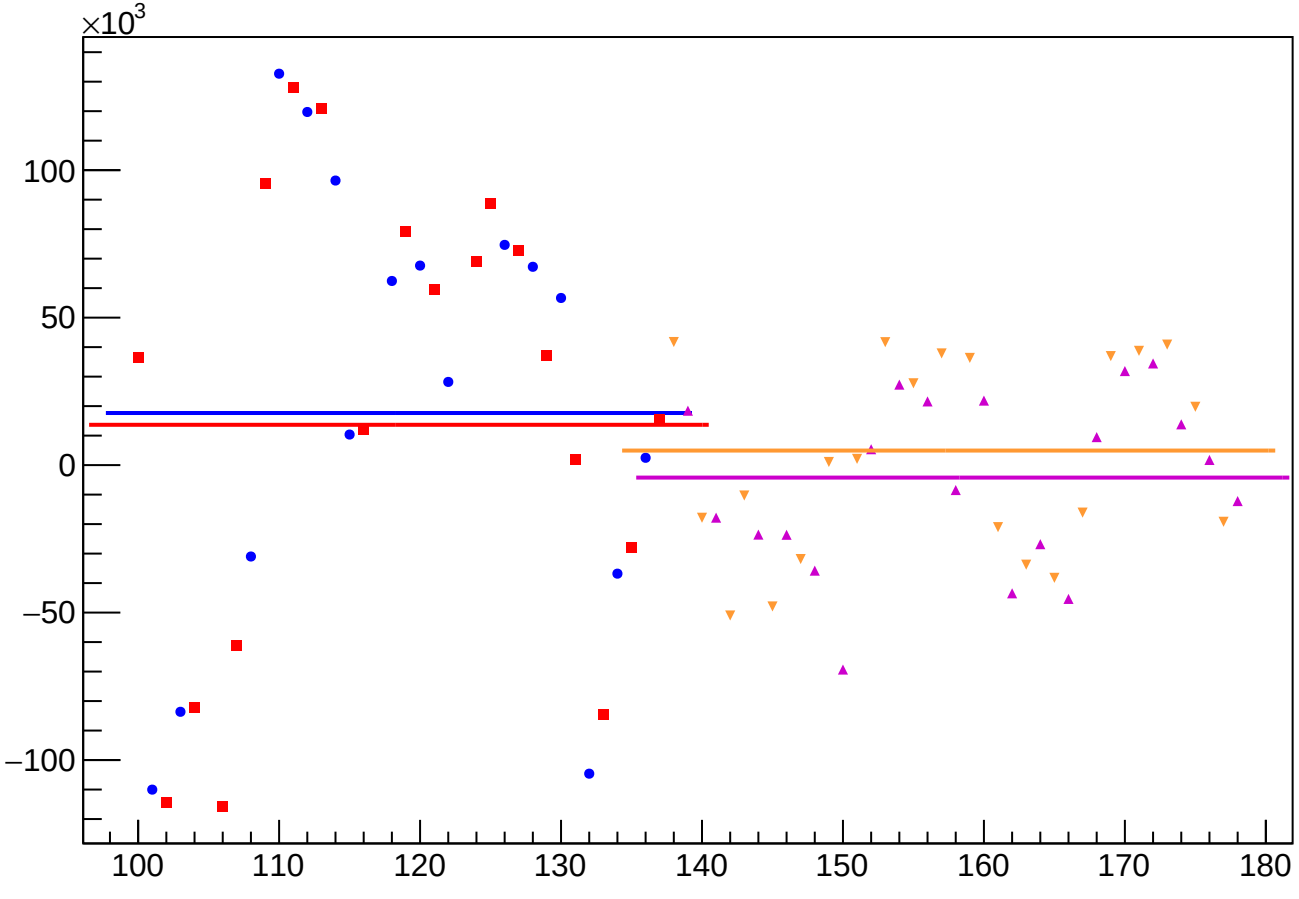
Left: 0.418+/-0.000 χ^2/NDF: 3335951.6/40

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.383+/-0.000 χ^2/NDF:3618955.0/35

Out: 0.380+/-0.000 χ^2/NDF:3593180.7/39

All: 0.382+/-0.000 χ^2/NDF: 7213840.4/75



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: -4231.583+/-1.198 χ^2/NDF:583983959.3/19

Left: 387.926+/-0.844 χ^2/NDF: 1309544151.5/40

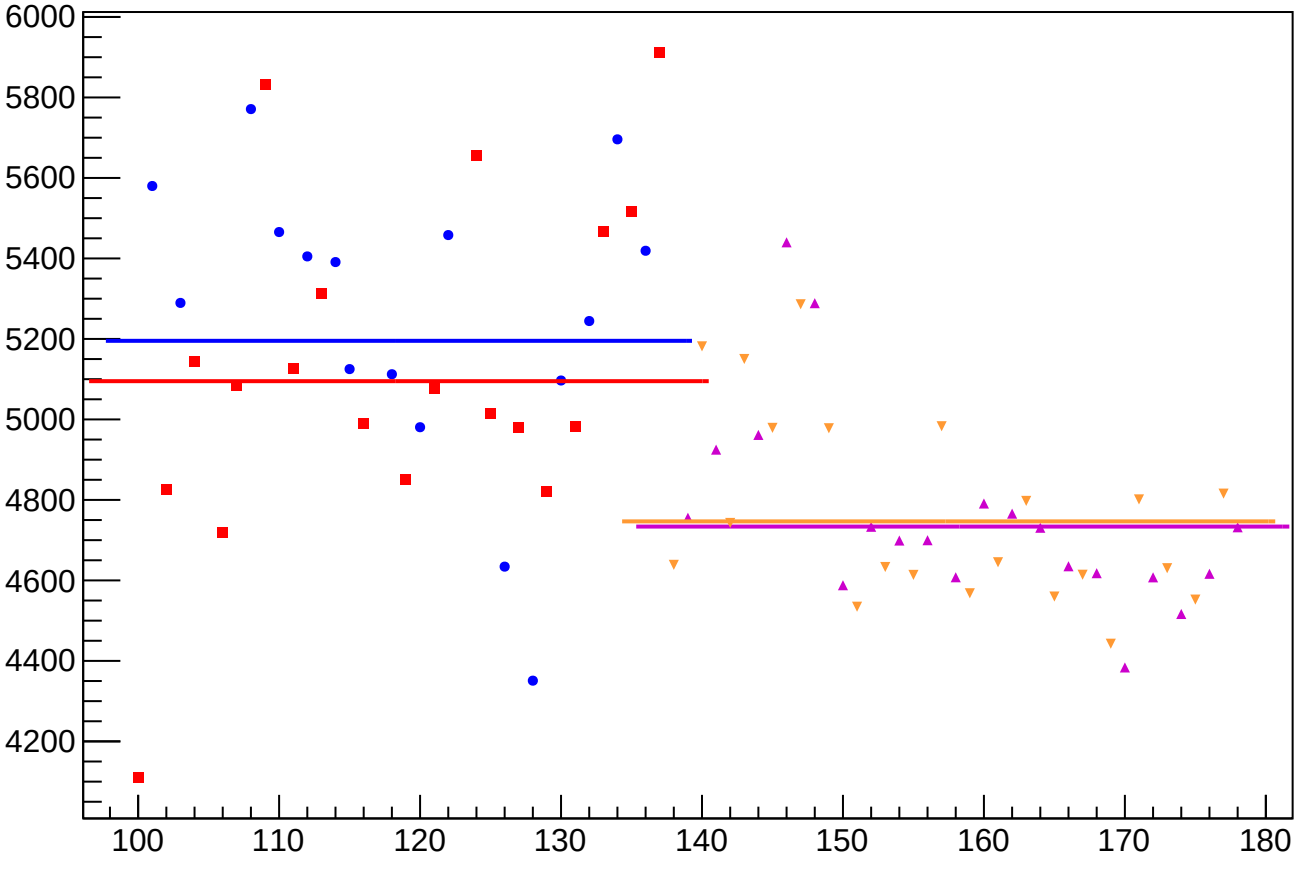
Right: 15583.102+/-1.389 χ^2/NDF: 3257769505.5/3

In: 1527.134+/-1.029 χ^2/NDF:2070566150.2/35

Out: 7344.057+/-1.011 χ^2/NDF:2567925649.5/39

All: 4484.792+/-0.721 χ^2/NDF: 4654755204.

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: 4733.758+/-0.847 χ^2/NDF:71094.2/19

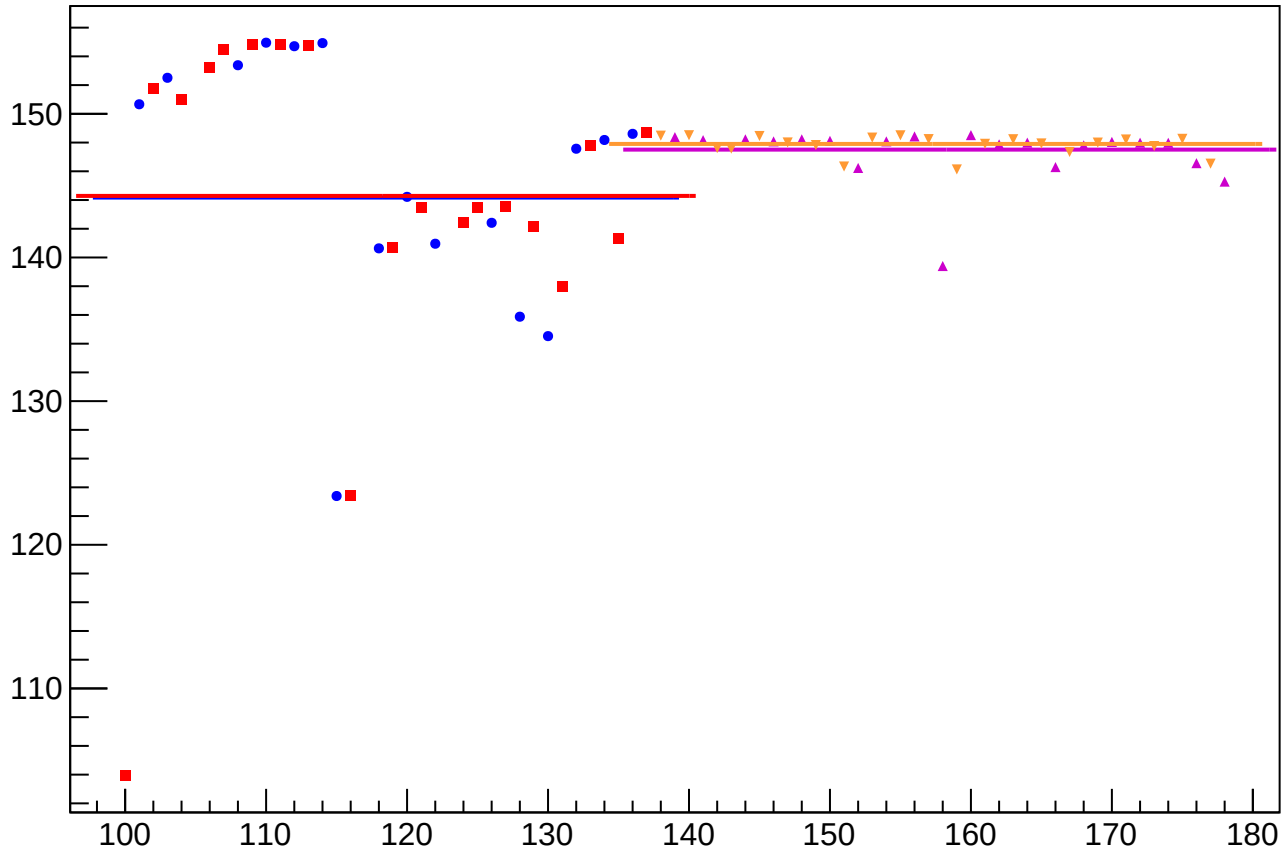
Left: 4740.262+/-0.597 χ^2/NDF: 142717.7/40

Right: 5143.118+/-0.982 χ^2/NDF: 138879.2/34

In: 4855.148+/-0.727 χ^2/NDF:226324.7/35

Out: 4842.817+/-0.715 χ^2/NDF:178049.8/39

All: 4848.878+/-0.510 χ^2/NDF: 404520.7/75



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: 147.508+/-0.000 χ^2/NDF:306420969.8/19

Left: 147.714+/-0.000 χ^2/NDF: 353005155.8/40

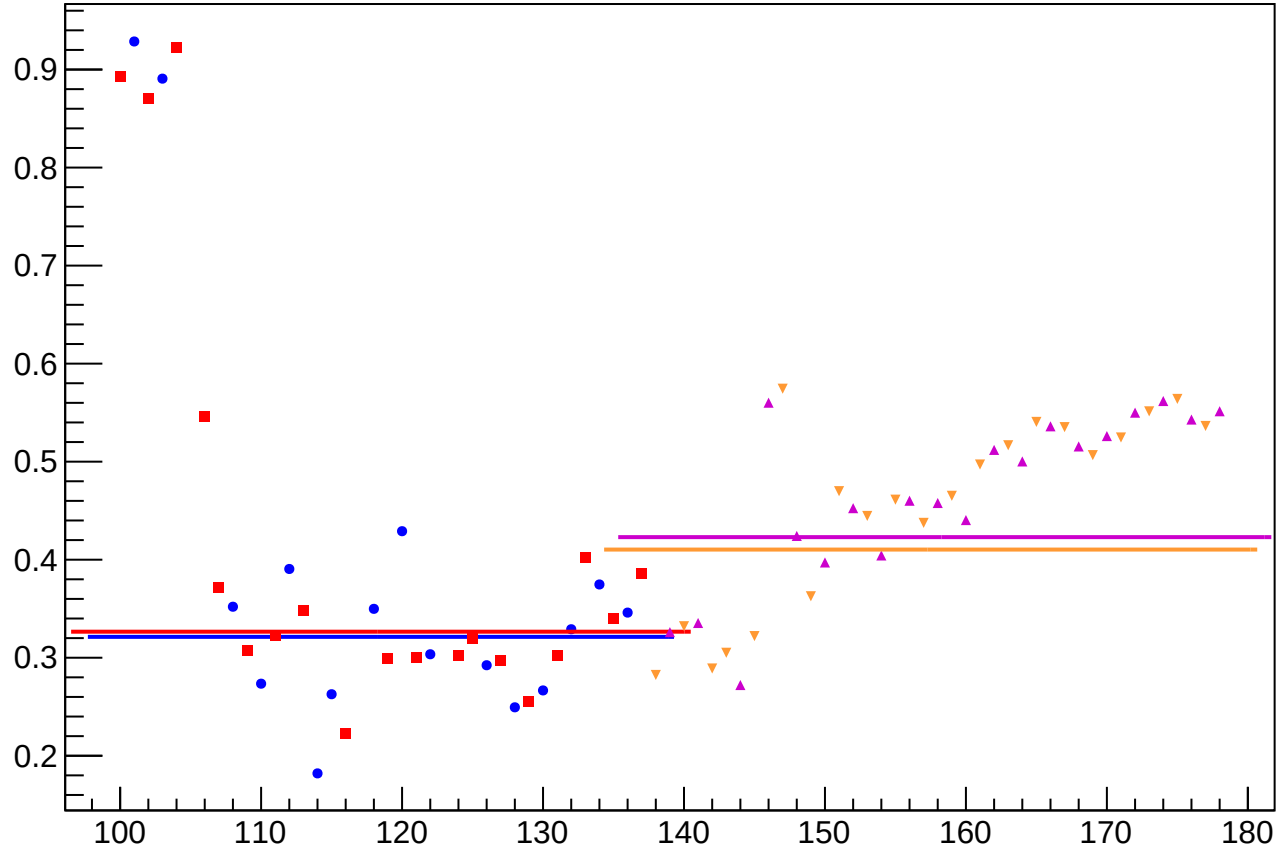
Right: 144.229+/-0.000 χ^2/NDF: 8055437753.5/34

In: 146.150+/-0.000 χ^2/NDF:4451734849.8/35

Out: 146.502+/-0.000 χ^2/NDF:4788070132.3/39

All: 146.330+/-0.000 χ^2/NDF: 9248761199.5

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: 0.423+/-0.000 χ^2/NDF:1512596.5/19

Left: 0.416+/-0.000 χ^2/NDF: 3328270.8/40

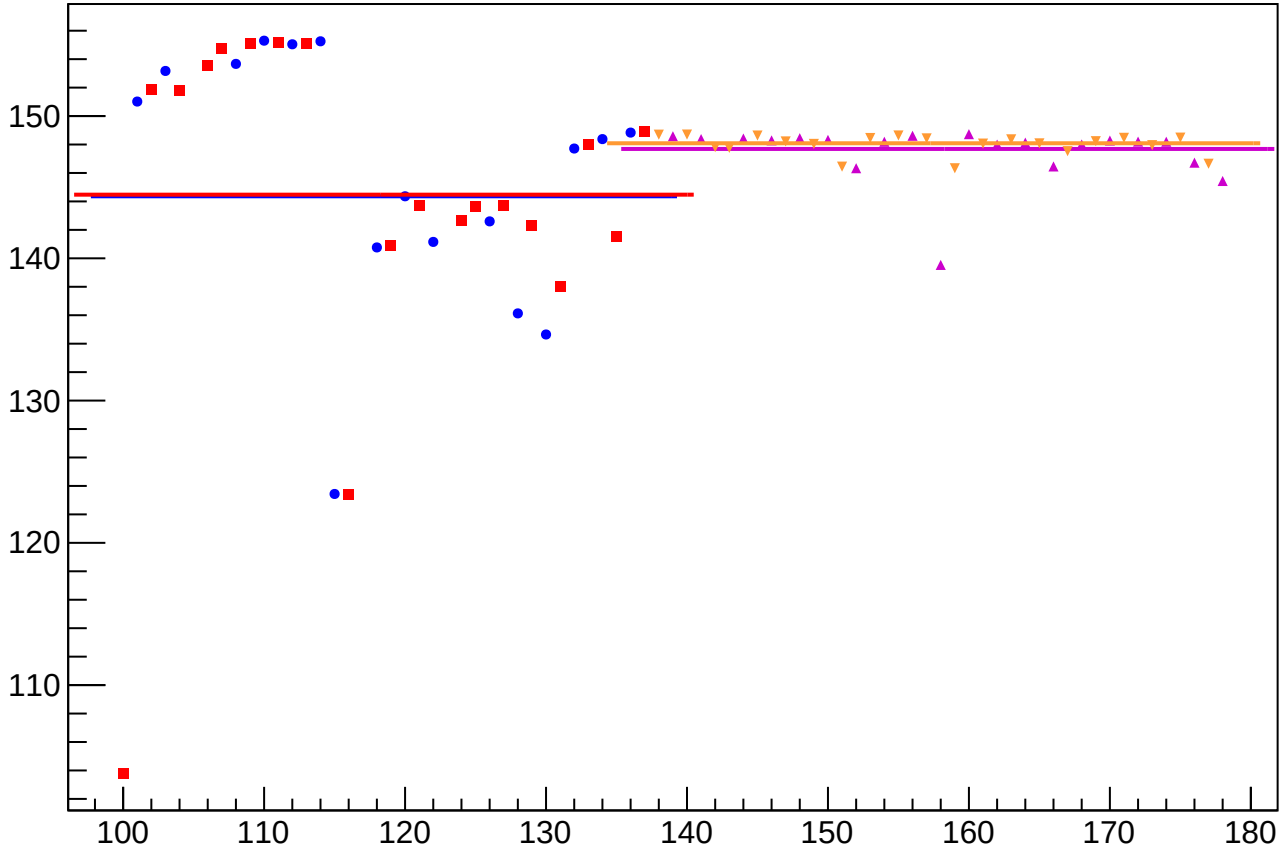
Right: 0.324+/-0.000 χ^2/NDF: 2700575.6/34

In: 0.382+/-0.000 χ^2/NDF:3616083.7/35

Out: 0.378+/-0.000 χ^2/NDF:3595462.8/39

All: 0.380+/-0.000 χ^2/NDF: 7213571.9/75

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



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: 147.688+/-0.000 χ^2/NDF:311204950.9/19

Left: 147.895+/-0.000 χ^2/NDF: 358450367.0/40

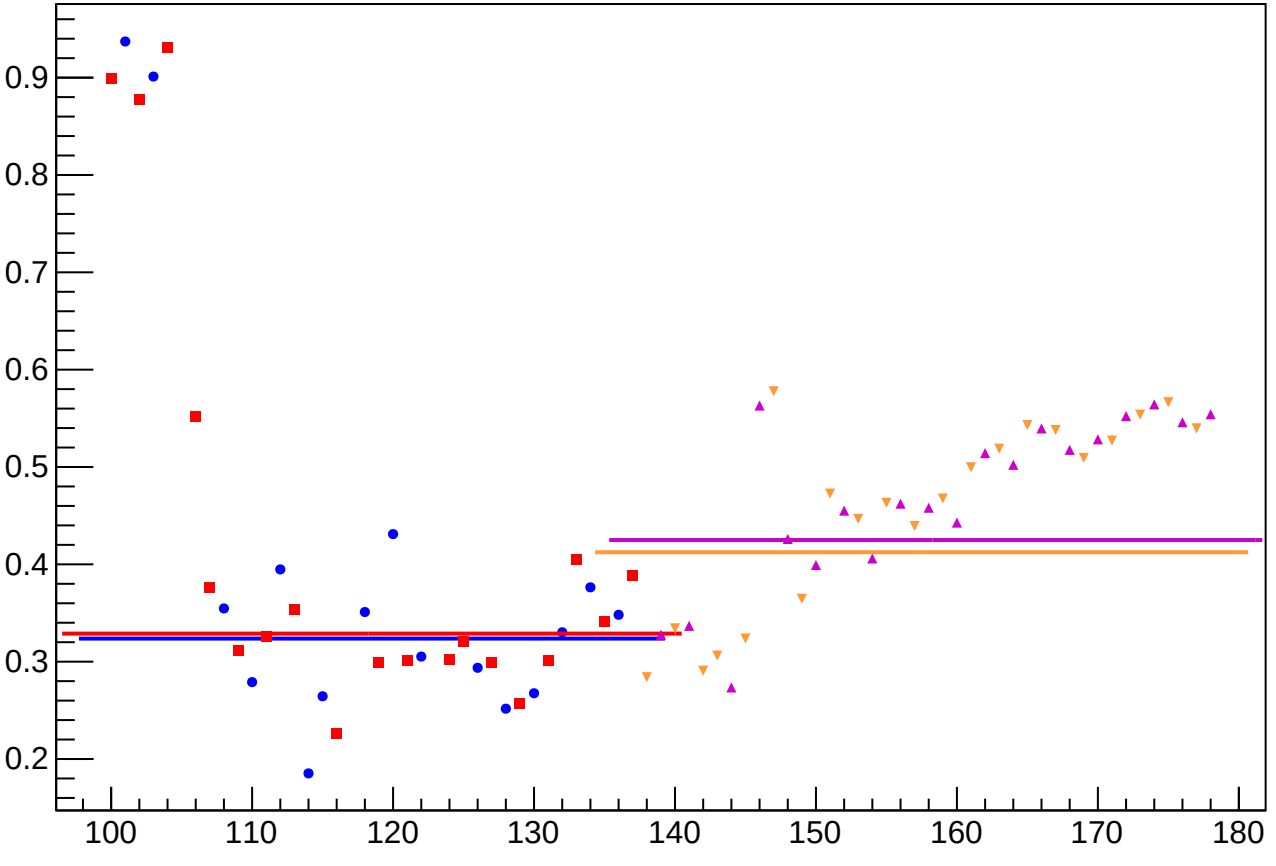
Right: 144.417+/-0.000 χ^2/NDF: 8040967165.8/34

In: 146.338+/-0.000 χ^2/NDF:4443607148.5/35

Out: 146.690+/-0.000 χ^2/NDF:4773582406.0/39

All: 146.518+/-0.000 χ^2/NDF: 9226048307.4

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: 0.425+/-0.000 χ^2/NDF:1511808.3/19

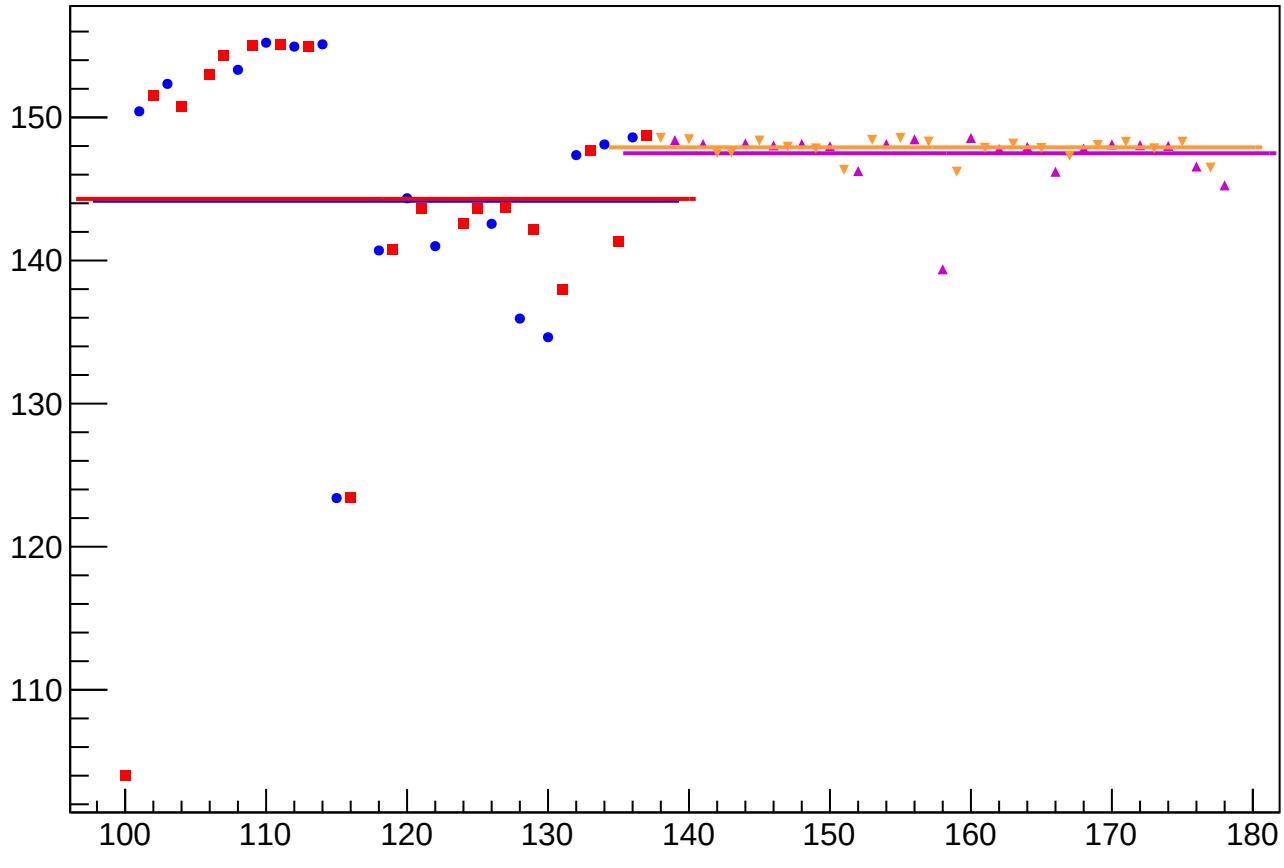
Left: 0.418+/-0.000 χ^2/NDF: 3324078.1/40

Right: 0.326+/-0.000 χ^2/NDF: 2697075.5/34

In: 0.384+/-0.000 χ^2/NDF:3596455.4/35

Out: 0.380+/-0.000 χ^2/NDF:3585416.5/39

All: 0.382+/-0.000 χ^2/NDF: 7183912.3/75



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: 147.493+/-0.000 χ^2/NDF:306018280.1/19

Left: 147.708+/-0.000 χ^2/NDF: 353657299.0/40

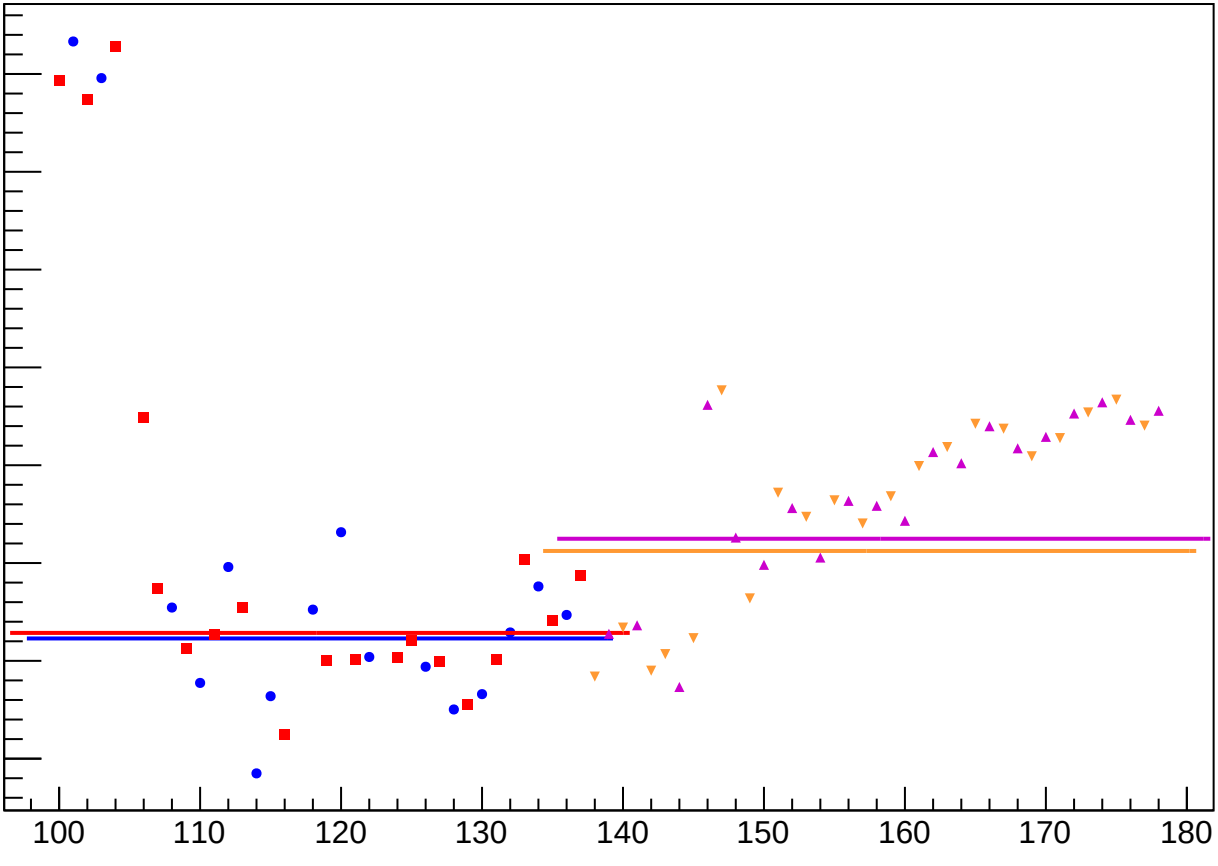
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 146.144+/-0.000 χ^2/NDF:4403221860.5/35

Out: 146.513+/-0.000 χ^2/NDF:4754174354.3/39

All: 146.332+/-0.000 χ^2/NDF: 9167154865.0

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: 0.425+/-0.000 χ^2/NDF:1519236.7/19

Left: 0.418+/-0.000 χ^2/NDF: 3335951.6/40

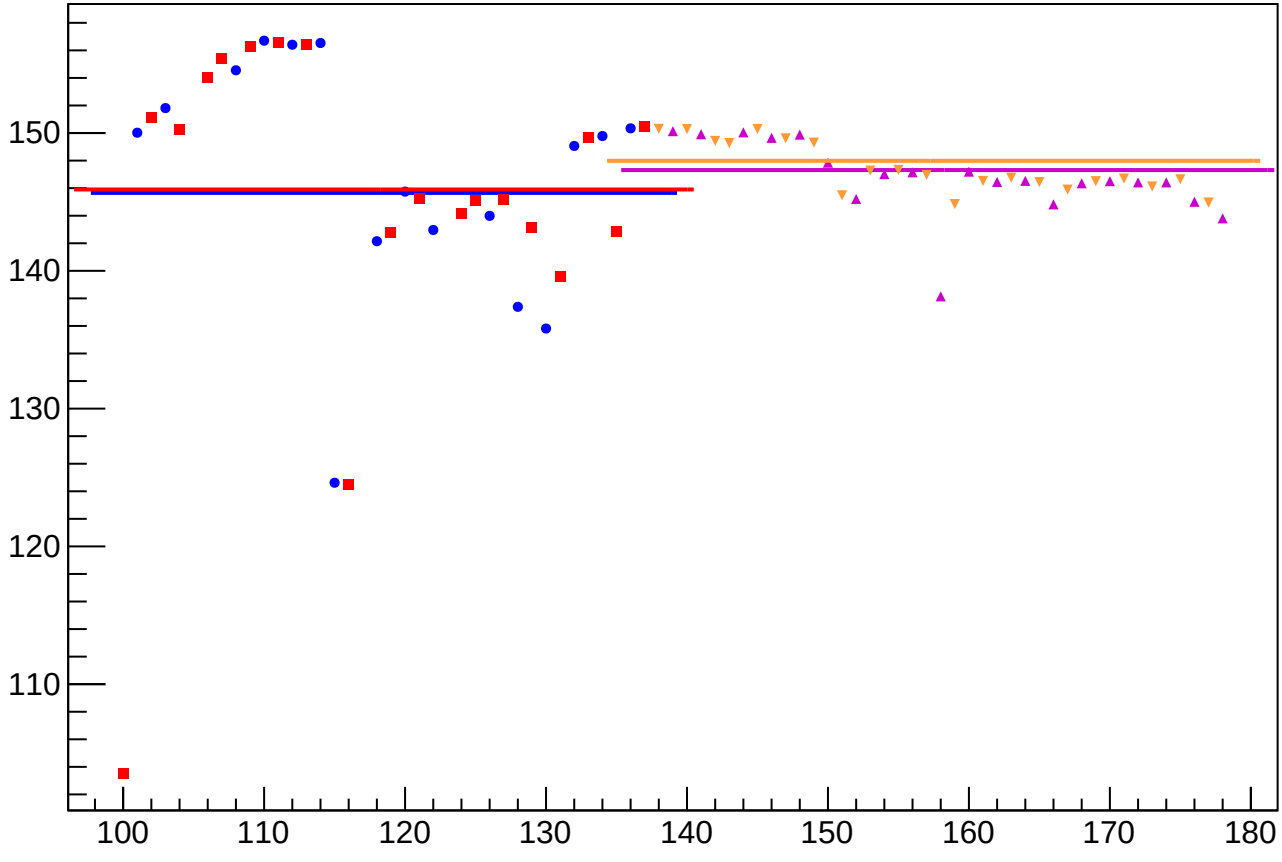
Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.383+/-0.000 χ^2/NDF:3618955.0/35

Out: 0.380+/-0.000 χ^2/NDF:3593180.7/39

All: 0.382+/-0.000 χ^2/NDF: 7213840.4/75

yield_bcm_dg_us_mean vs Slug, Sign Corrected



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: 147.314+/-0.000 χ^2/NDF:612569975.3/19

Left: 147.660+/-0.000 χ^2/NDF: 922397293.0/40

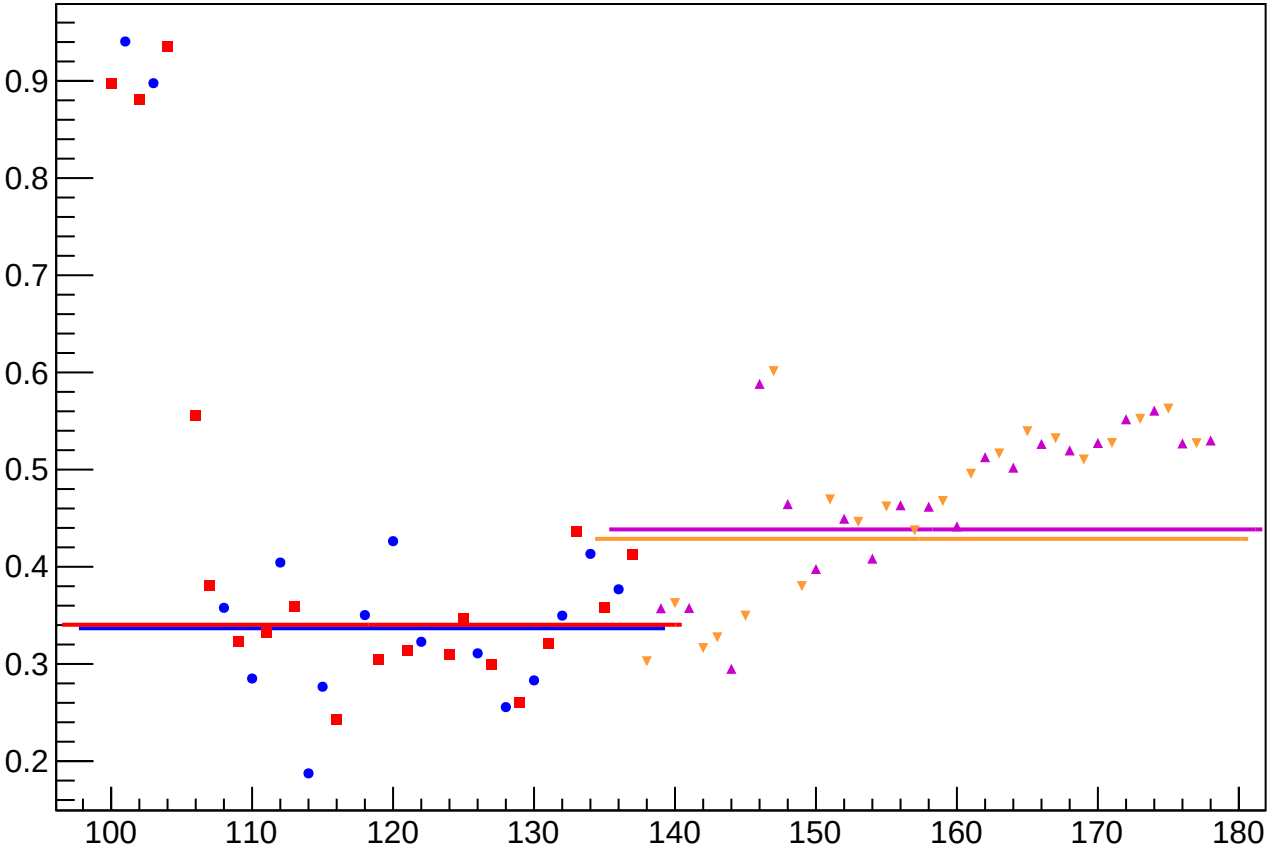
Right: 145.781+/-0.000 χ^2/NDF: 7346117767.9/34

In: 146.653+/-0.000 χ^2/NDF:4180682824.8/35

Out: 147.183+/-0.000 χ^2/NDF:4294418653.3/39

All: 146.923+/-0.000 χ^2/NDF: 8493880418.9

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: 0.438+/-0.000 χ^2/NDF:1130236.6/19

Left: 0.433+/-0.000 χ^2/NDF: 2474892.3/40

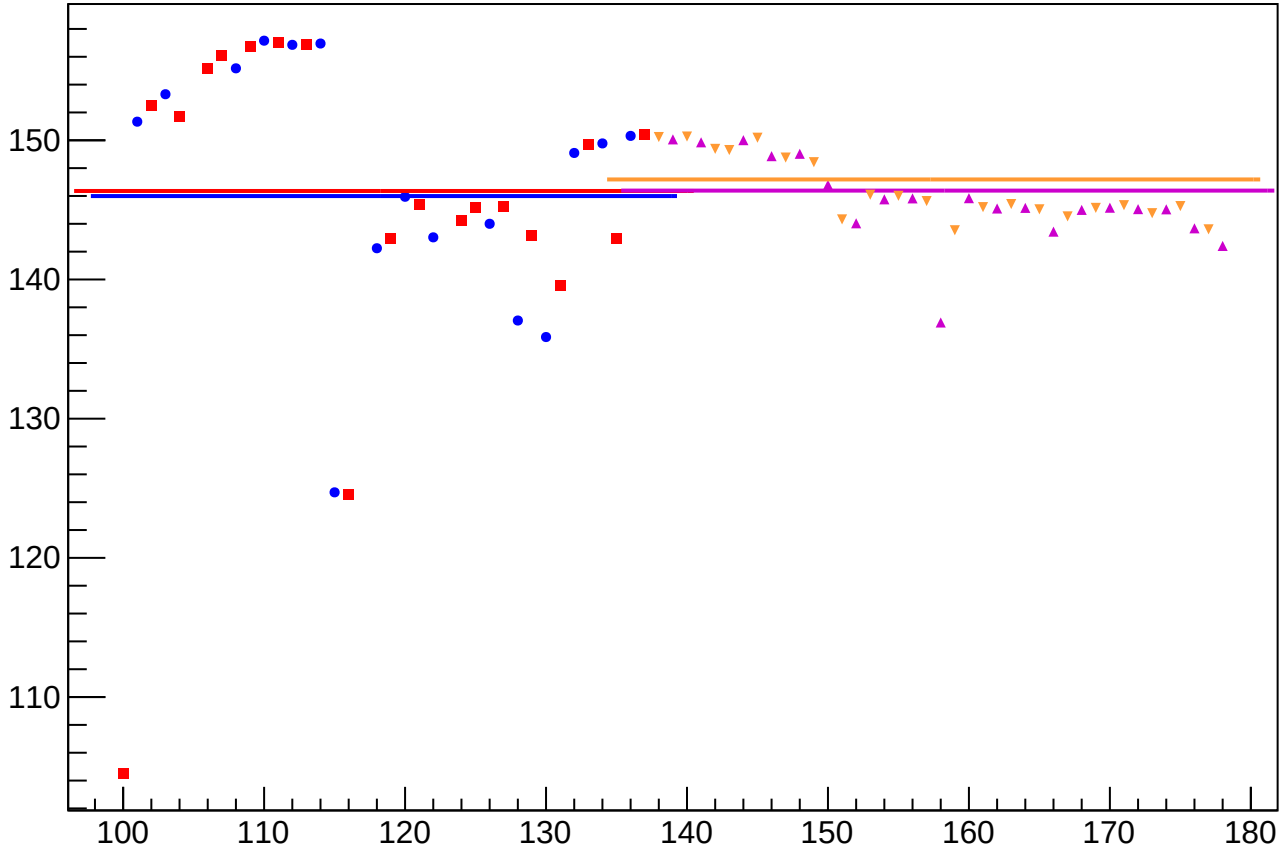
Right: 0.339+/-0.000 χ^2/NDF: 2645924.6/34

In: 0.398+/-0.000 χ^2/NDF:3153384.5/35

Out: 0.395+/-0.000 χ^2/NDF:3116220.3/39

All: 0.396+/-0.000 χ^2/NDF: 6271018.6/75

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: 146.385+/-0.000 χ^2/NDF:812477040.9/19

Left: 146.798+/-0.000 χ^2/NDF: 1326571396.3/40

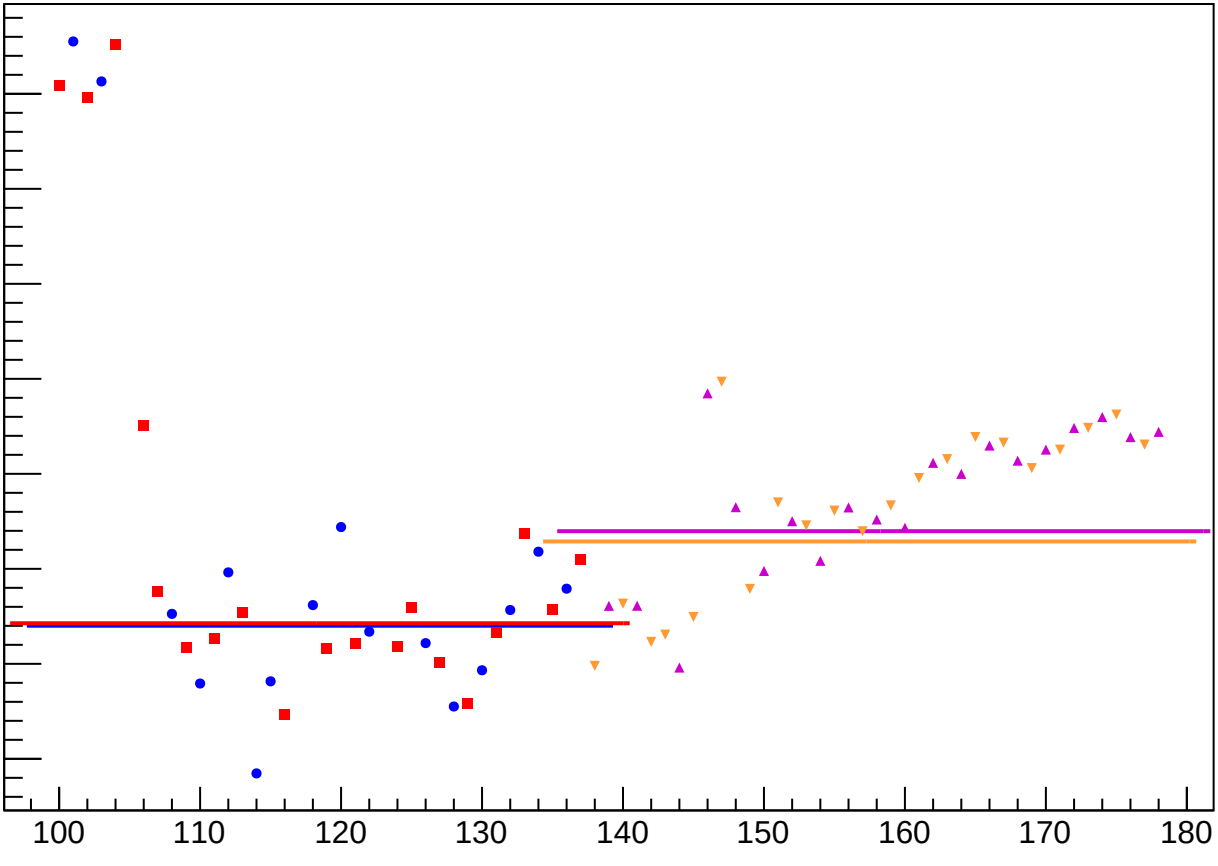
Right: 146.176+/-0.000 χ^2/NDF: 7588198619.6/34

In: 146.231+/-0.000 χ^2/NDF:4438894960.5/35

Out: 146.870+/-0.000 χ^2/NDF:4473108239.2/39

All: 146.557+/-0.000 χ^2/NDF: 8939140548.2

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: 0.440+/-0.000 χ^2/NDF:1104460.7/19

Left: 0.434+/-0.000 χ^2/NDF: 2437106.2/40

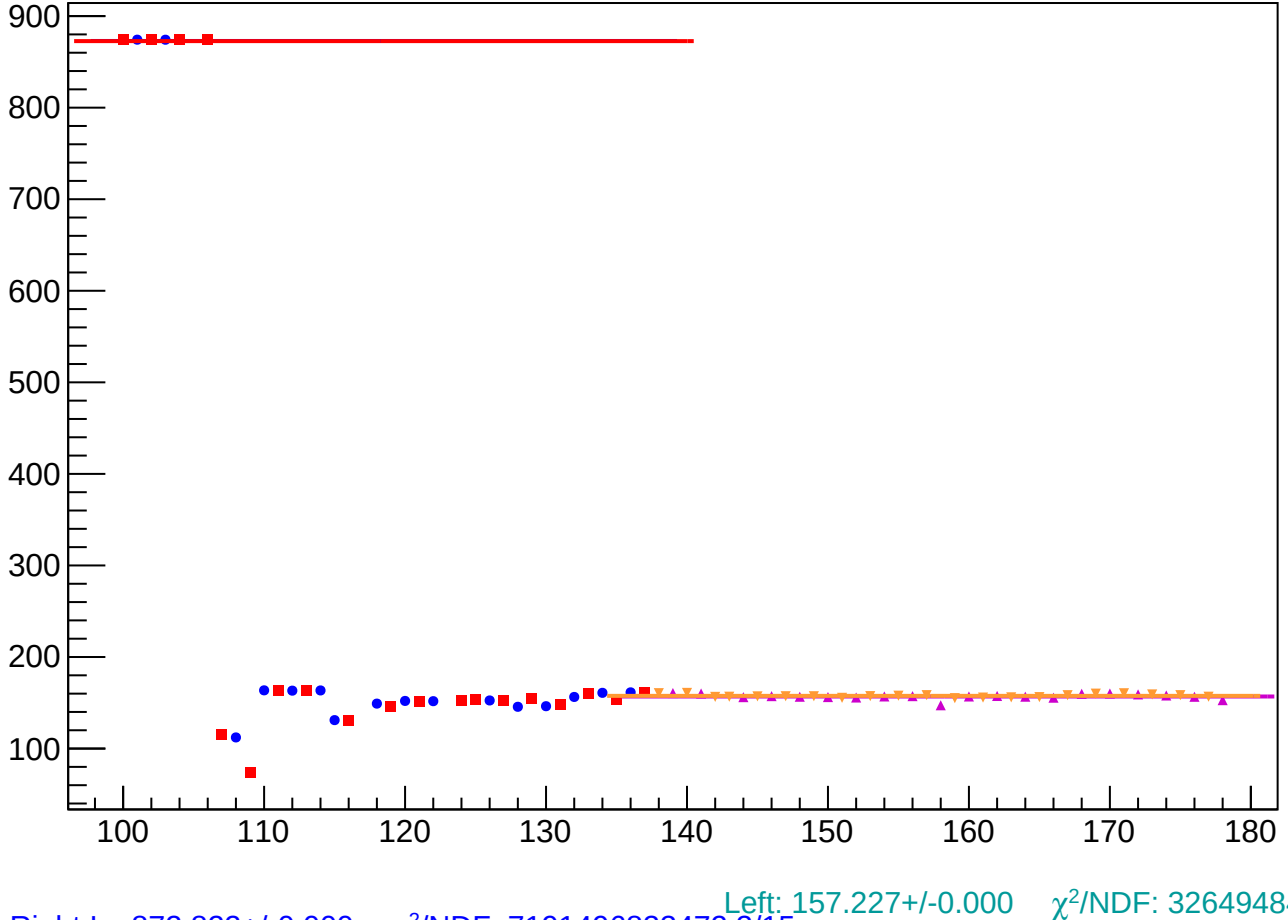
Right: 0.341+/-0.000 χ^2/NDF: 2664290.2/34

In: 0.400+/-0.000 χ^2/NDF:3111778.4/35

Out: 0.396+/-0.000 χ^2/NDF:3067941.8/39

All: 0.398+/-0.000 χ^2/NDF: 6182394.2/75

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: 156.882+/-0.000 χ^2/NDF:227209094.8/19

Left: 157.227+/-0.000 χ^2/NDF: 326494840.4/40

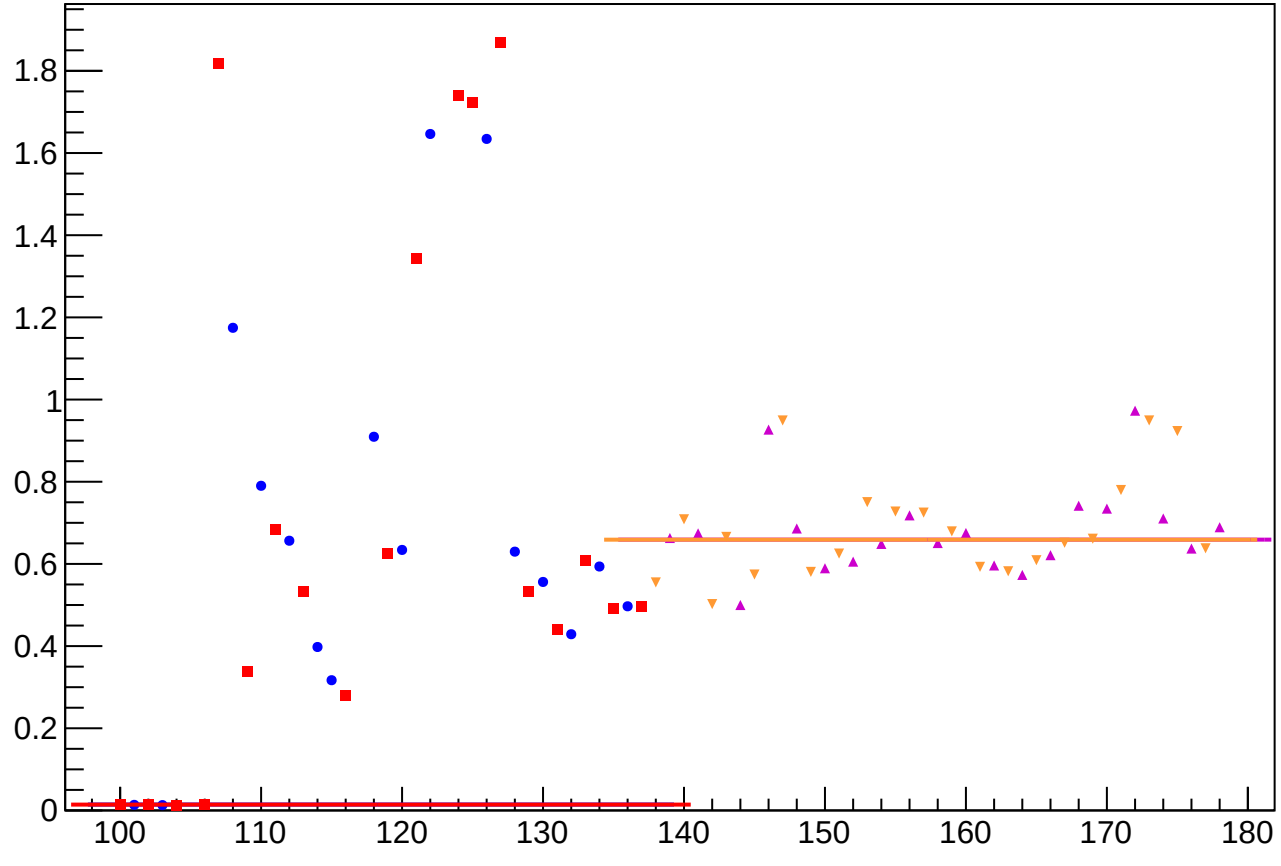
Right: 872.744+/-0.000 χ^2/NDF: 16358876765227.4

In: 869.937+/-0.000 χ^2/NDF:21905784634594.8/3

Out: 870.160+/-0.000 χ^2/NDF:23936917544110.2

All: 870.056+/-0.000 χ^2/NDF: 45842891753

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: 0.659+/-0.000 χ^2/NDF:464583.5/19

Left: 0.659+/-0.000 χ^2/NDF: 1071323.7/40

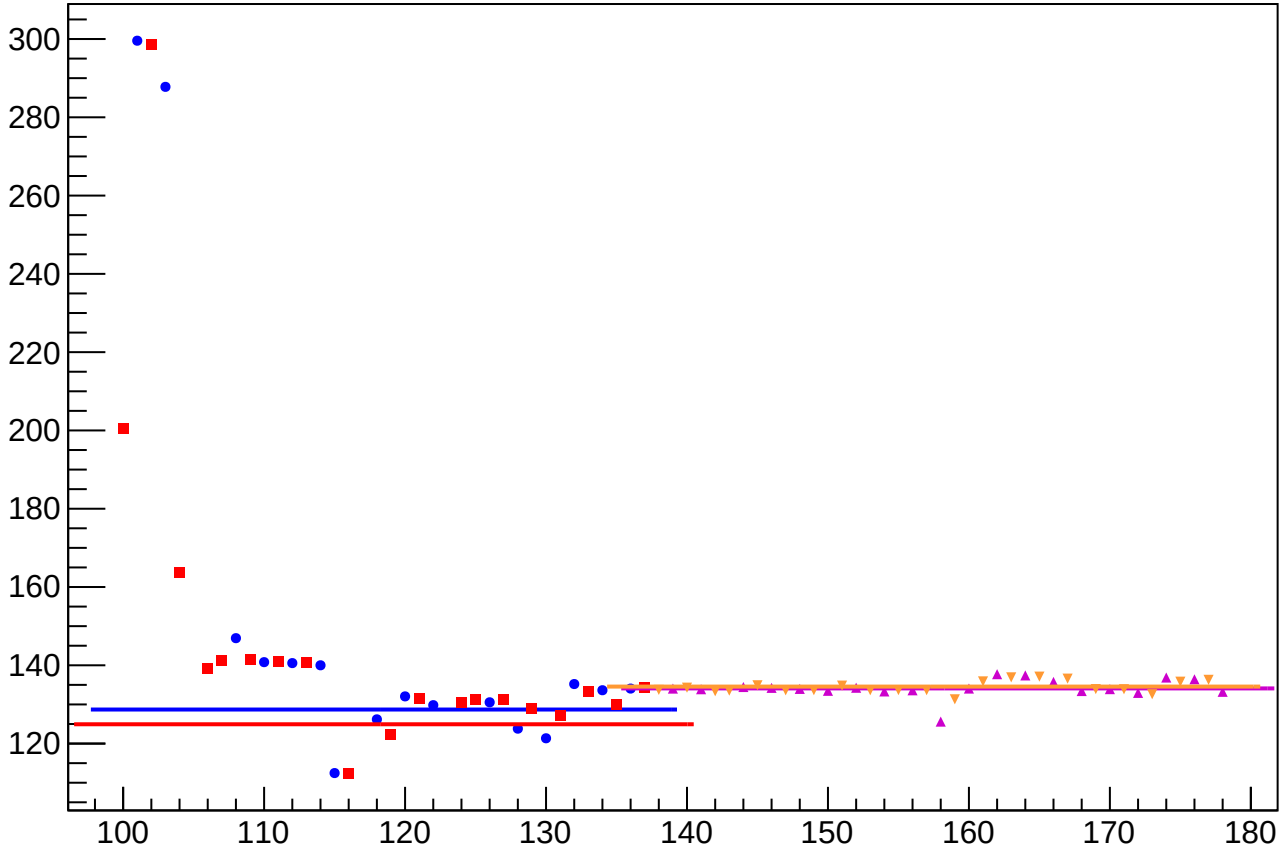
Right: 0.014+/-0.000 χ^2/NDF: 19032353.5/34

In: 0.017+/-0.000 χ^2/NDF:33949972.0/35

Out: 0.017+/-0.000 χ^2/NDF:34030443.1/39

All: 0.017+/-0.000 χ^2/NDF: 67982107.2/75

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: 134.094+/-0.000 χ^2/NDF:410349083.9/19

Left: 134.336+/-0.000 χ^2/NDF: 553494202.8/40

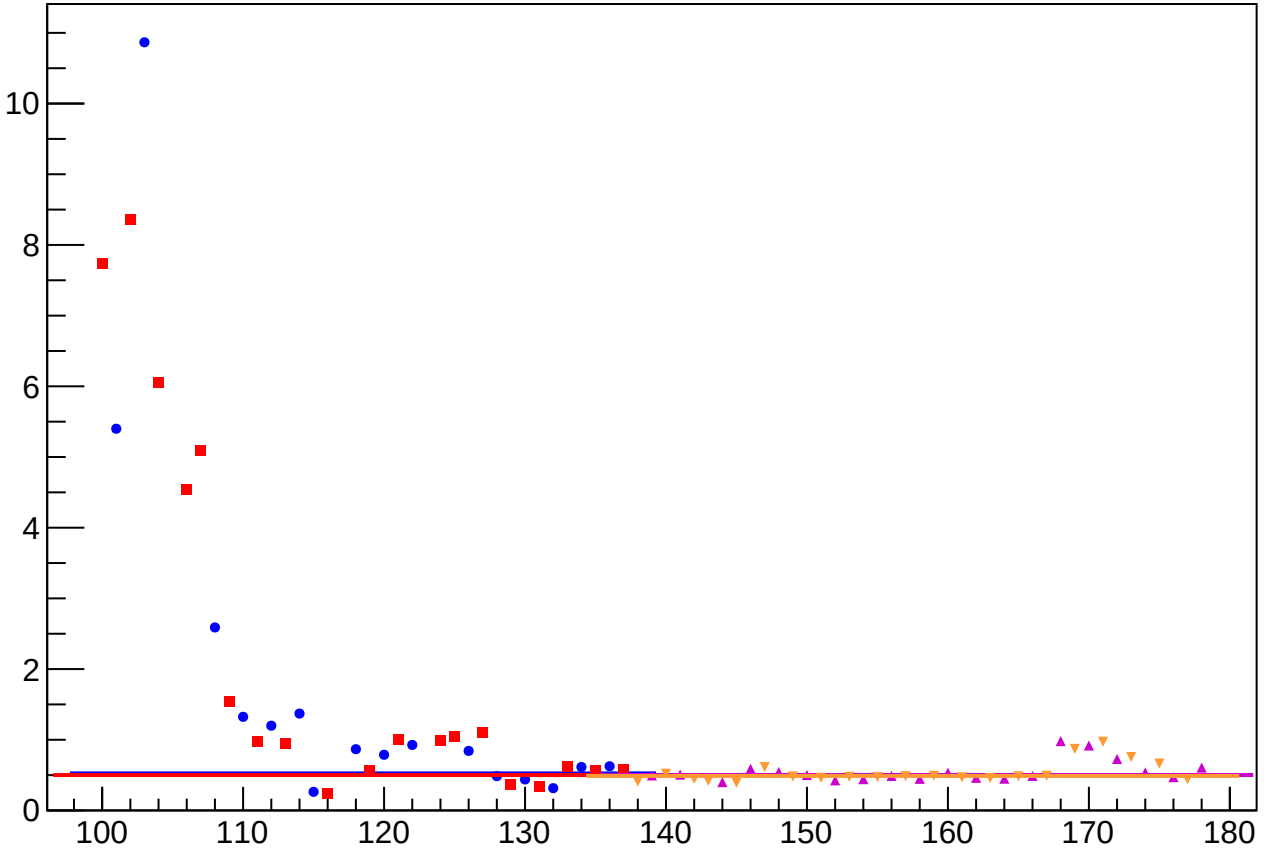
Right: 126.772+/-0.000 χ^2/NDF: 3151132983.0/34

In: 133.052+/-0.000 χ^2/NDF:2380184553.9/35

Out: 132.732+/-0.000 χ^2/NDF:2587830771.4/39

All: 132.887+/-0.000 χ^2/NDF: 4971664839.8

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: 0.502+/-0.000 χ^2/NDF:1135855.0/19

Left: 0.495+/-0.000 χ^2/NDF: 2310468.3/40

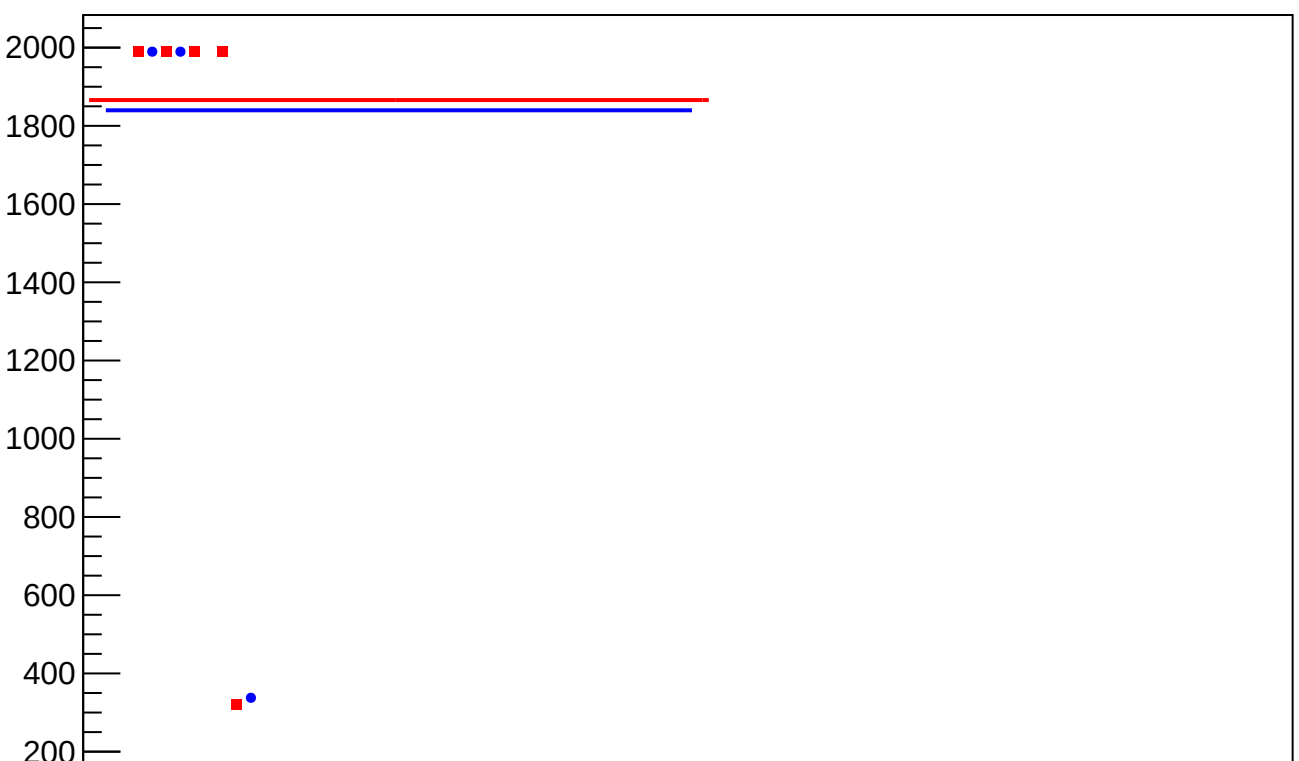
Right: 0.512+/-0.000 χ^2/NDF: 9030118.3/34

In: 0.506+/-0.000 χ^2/NDF:5284878.8/35

Out: 0.491+/-0.000 χ^2/NDF:6051642.4/39

All: 0.498+/-0.000 χ^2/NDF: 11353530.8/75

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: 137.292+/-0.000 χ^2/NDF:242918033.8/19

Left: 137.428+/-0.000 χ^2/NDF: 308699934.3/40

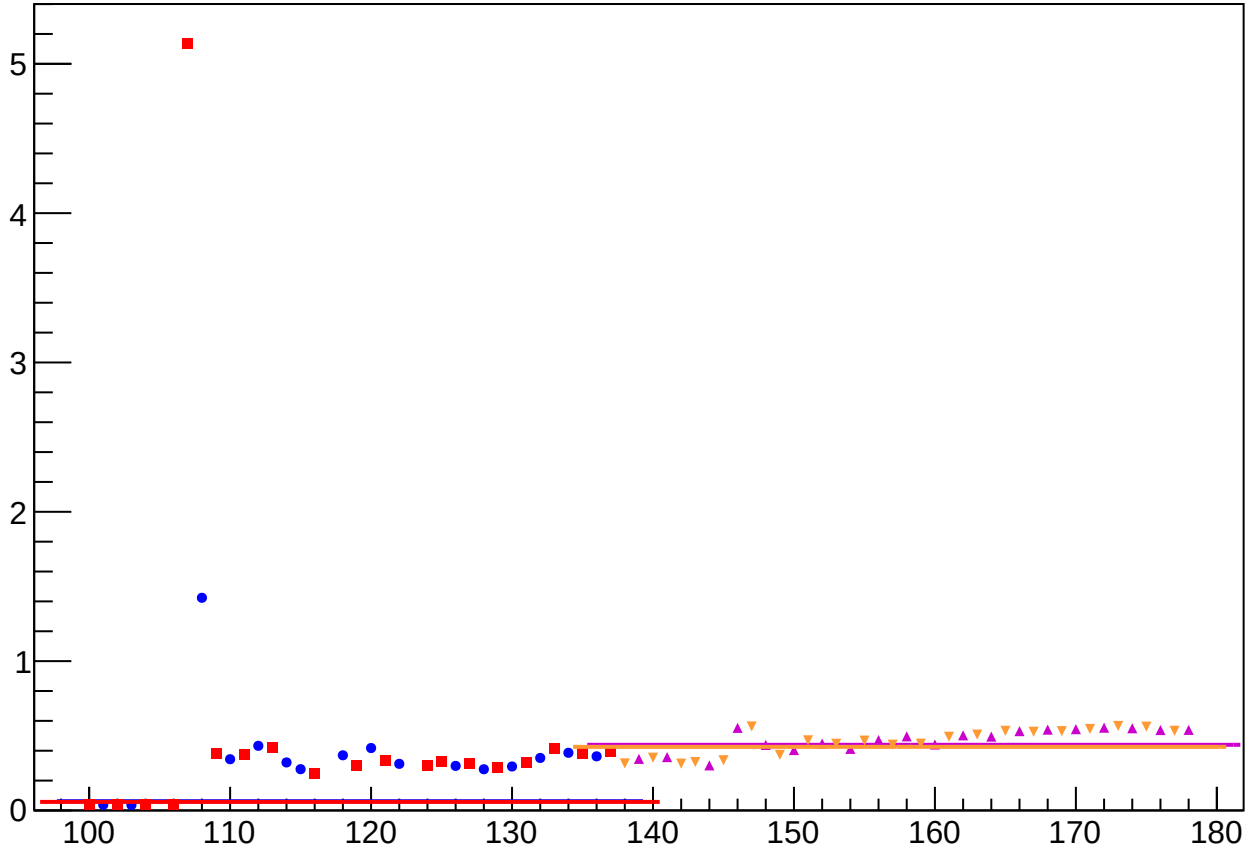
Right: 1853.888+/-0.000 χ^2/NDF: 2888957986059

In: 1632.704+/-0.000 χ^2/NDF:346983970644404.

Out: 1669.829+/-0.000 χ^2/NDF:36852477555030

All: 1652.617+/-0.000 χ^2/NDF: 7159887626

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: 0.440+/-0.000 χ^2/NDF:1123167.3/19

Left: 0.433+/-0.000 χ^2/NDF: 2502047.4/40

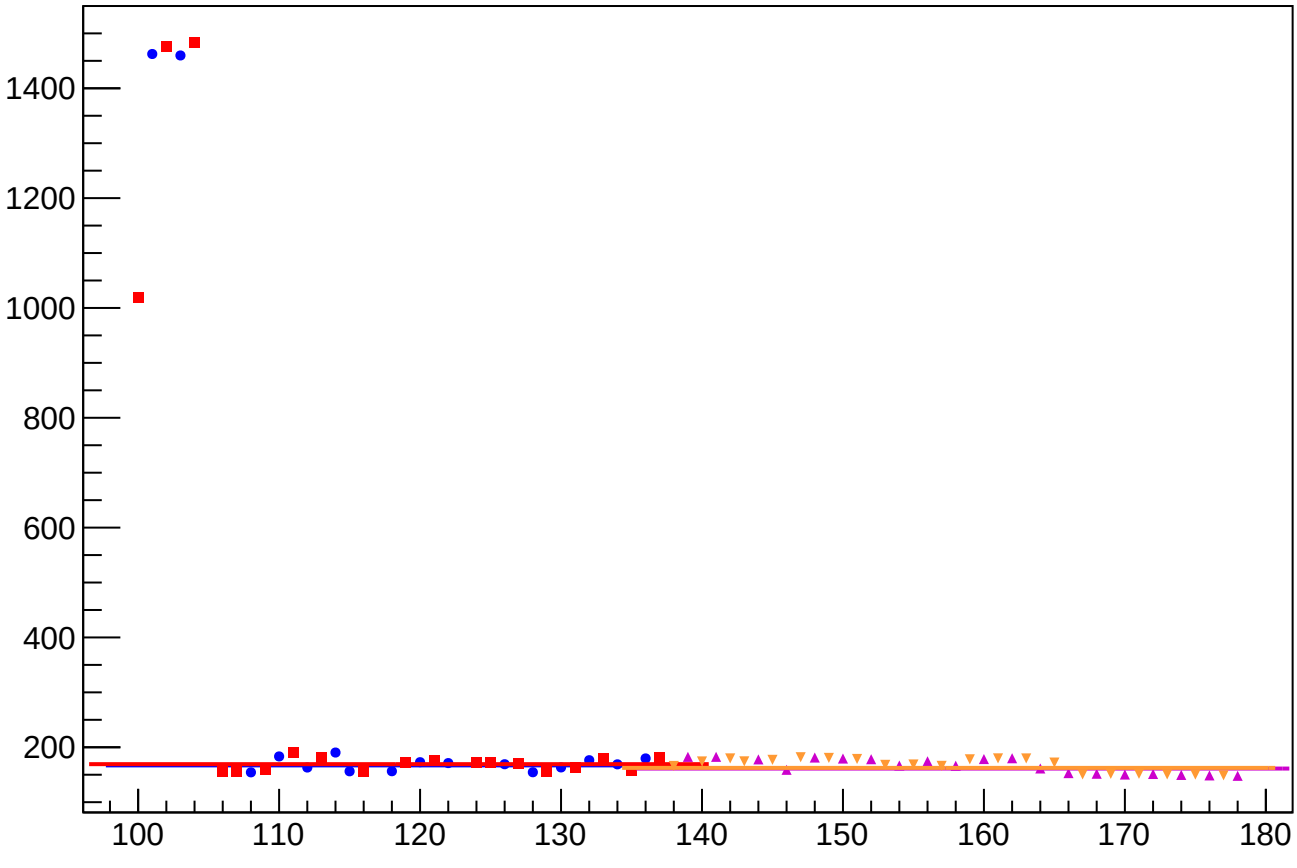
Right: 0.059+/-0.000 χ^2/NDF: 15927866.9/34

In: 0.108+/-0.000 χ^2/NDF:29110413.2/35

Out: 0.099+/-0.000 χ^2/NDF:29646813.5/39

All: 0.103+/-0.000 χ^2/NDF: 58808921.8/75

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: 161.229+/-0.000 χ^2/NDF:3437292498.1/19

Left: 161.848+/-0.000 χ^2/NDF: 6671401039.5/40

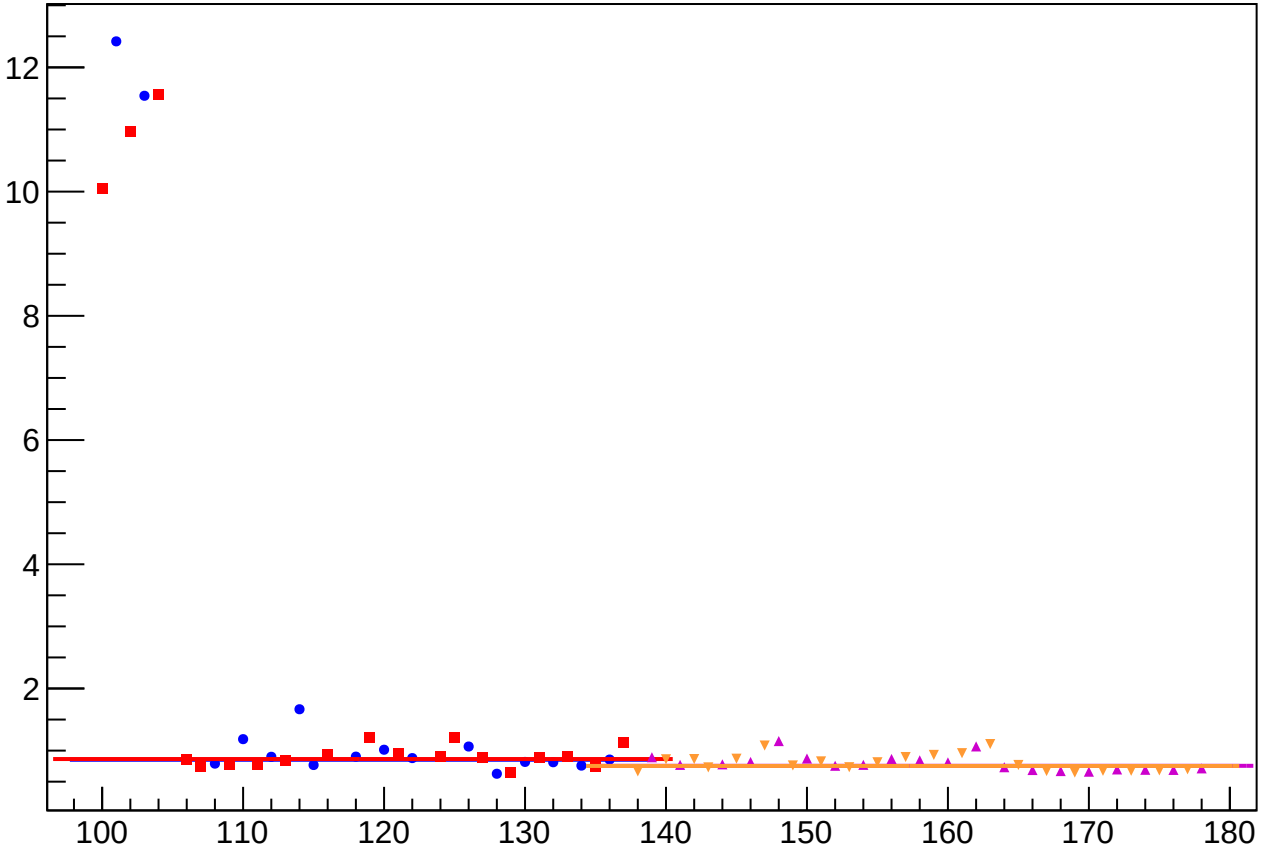
Right: 168.153+/-0.000 χ^2/NDF: 30946000130.2/34

In: 162.407+/-0.000 χ^2/NDF:18193557697.9/35

Out: 163.868+/-0.000 χ^2/NDF:19735352094.8/39

All: 163.142+/-0.000 χ^2/NDF: 37956827062.

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: 0.755+/-0.000 χ^2/NDF:426036.6/19

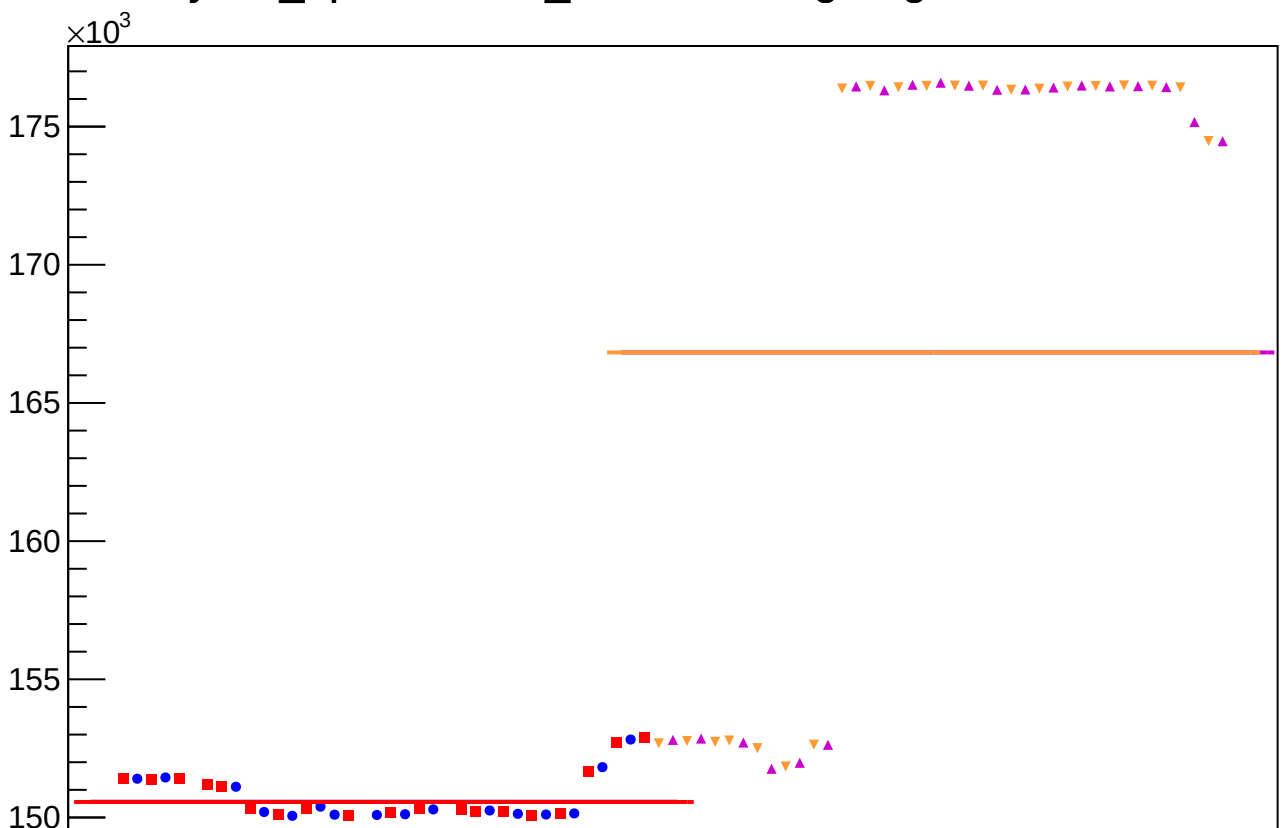
Left: 0.754+/-0.000 χ^2/NDF: 959153.3/40

Right: 0.859+/-0.000 χ^2/NDF: 4512219.1/34

In: 0.775+/-0.000 χ^2/NDF:2809067.0/35

Out: 0.776+/-0.000 χ^2/NDF:2849212.4/39

All: 0.776+/-0.000 χ^2/NDF: 5658306.3/75



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: 166827.644+/-0.050 χ^2/NDF:53895361223.5/19

Left: 166828.019+/-0.035 χ^2/NDF: 111672828572.

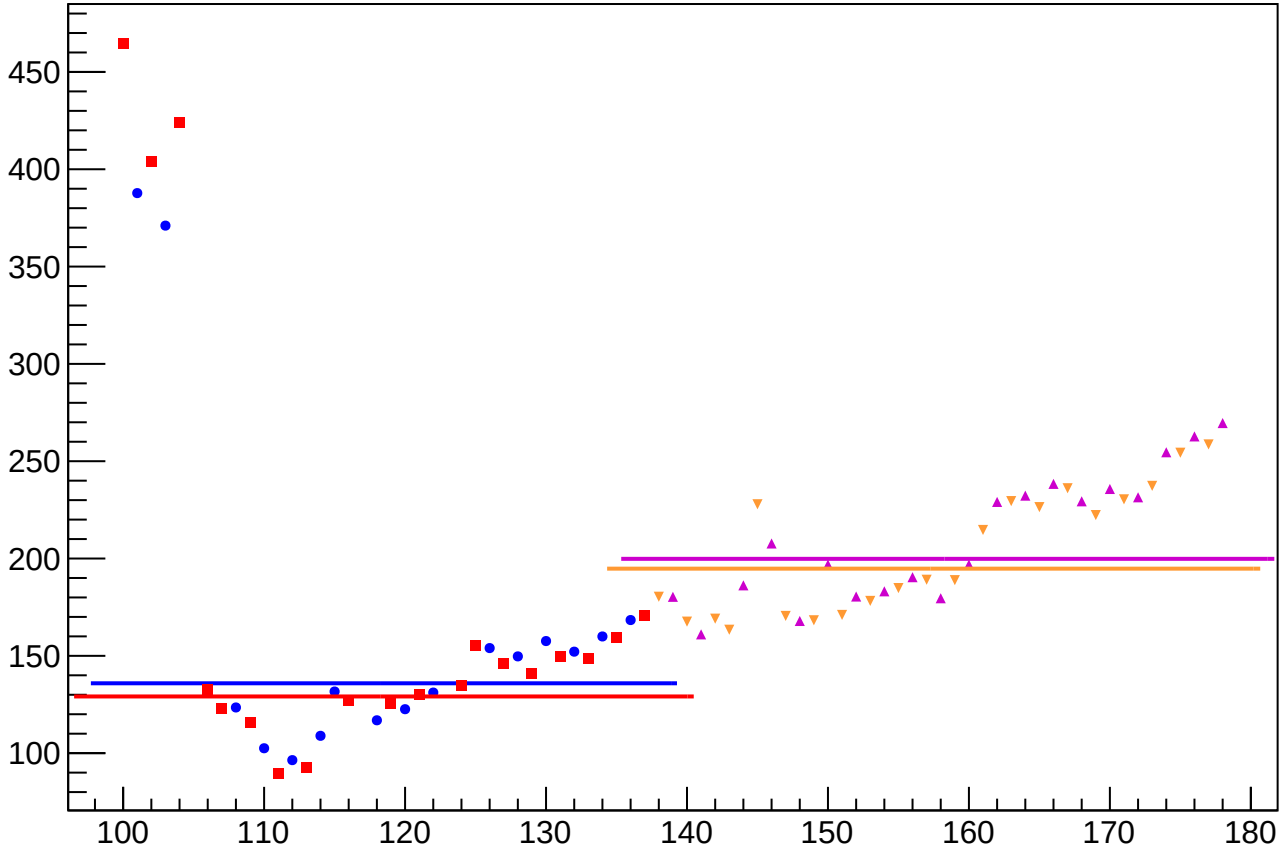
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 159372.118+/-0.037 χ^2/NDF:102127345608.2

Out: 159097.579+/-0.035 χ^2/NDF:111396950658.

All: 159227.872+/-0.025 χ^2/NDF: 21355325

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: 199.839+/-0.036 χ^2/NDF:690653.8/19

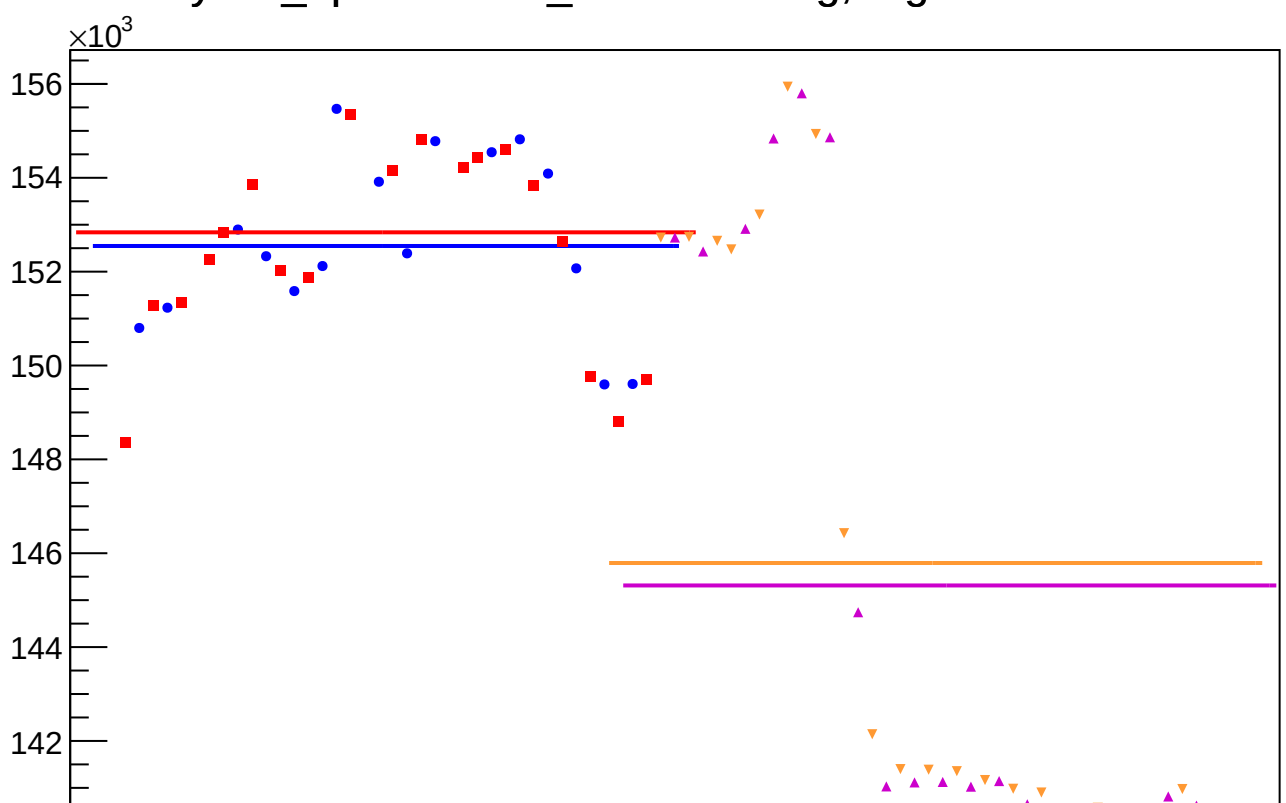
Left: 197.229+/-0.025 χ^2/NDF: 1423770.9/40

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 170.518+/-0.026 χ^2/NDF:3591603.4/35

Out: 163.589+/-0.025 χ^2/NDF:4078167.2/39

All: 166.877+/-0.018 χ^2/NDF: 7706663.1/75



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: 145313.275+/-0.053 χ^2/NDF:12553646841.3/19

Left: 145557.859+/-0.037 χ^2/NDF: 25253078773.2

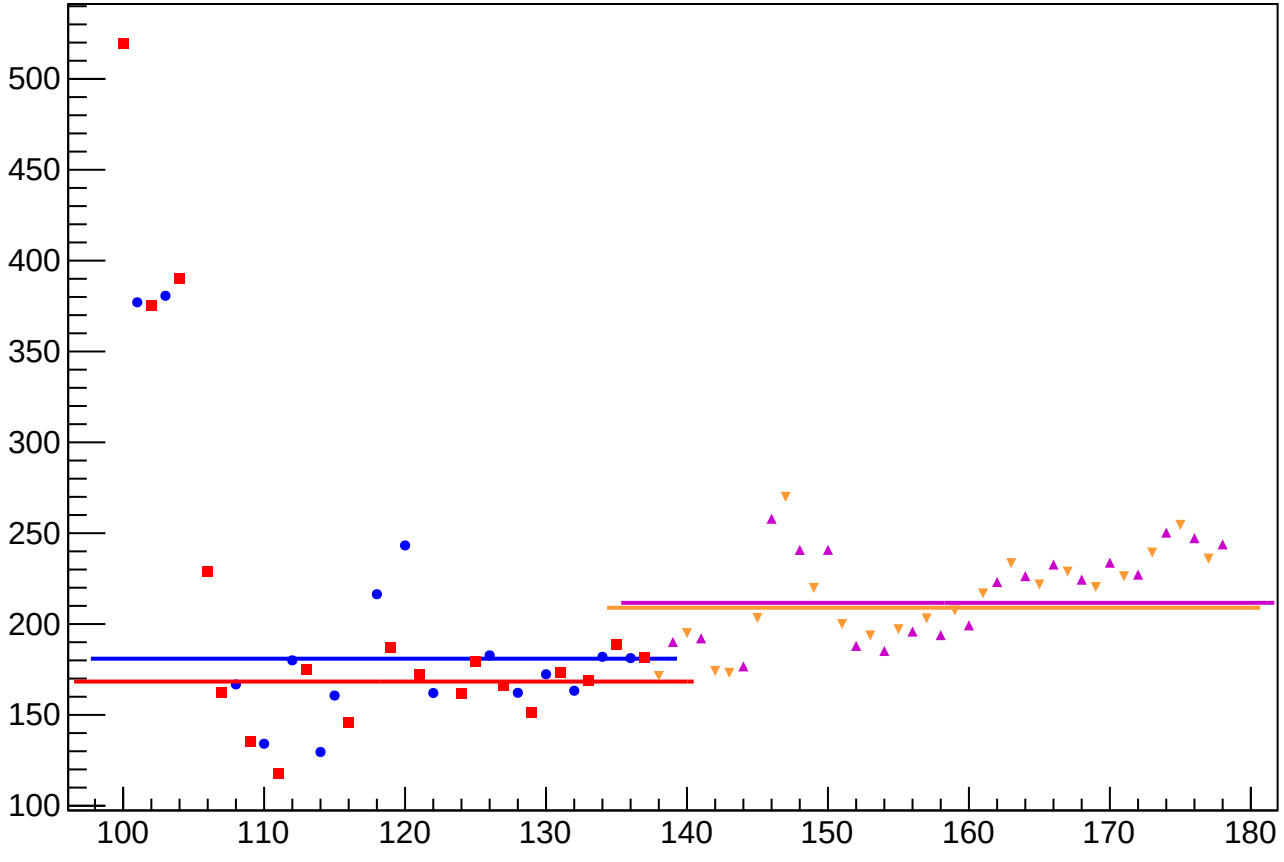
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 147835.809+/-0.043 χ^2/NDF:19670996785.0/3

Out: 148454.377+/-0.041 χ^2/NDF:20345889550.3/

All: 148159.127+/-0.030 χ^2/NDF: 40125649

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: 211.674+/-0.038 χ^2/NDF:449316.1/19

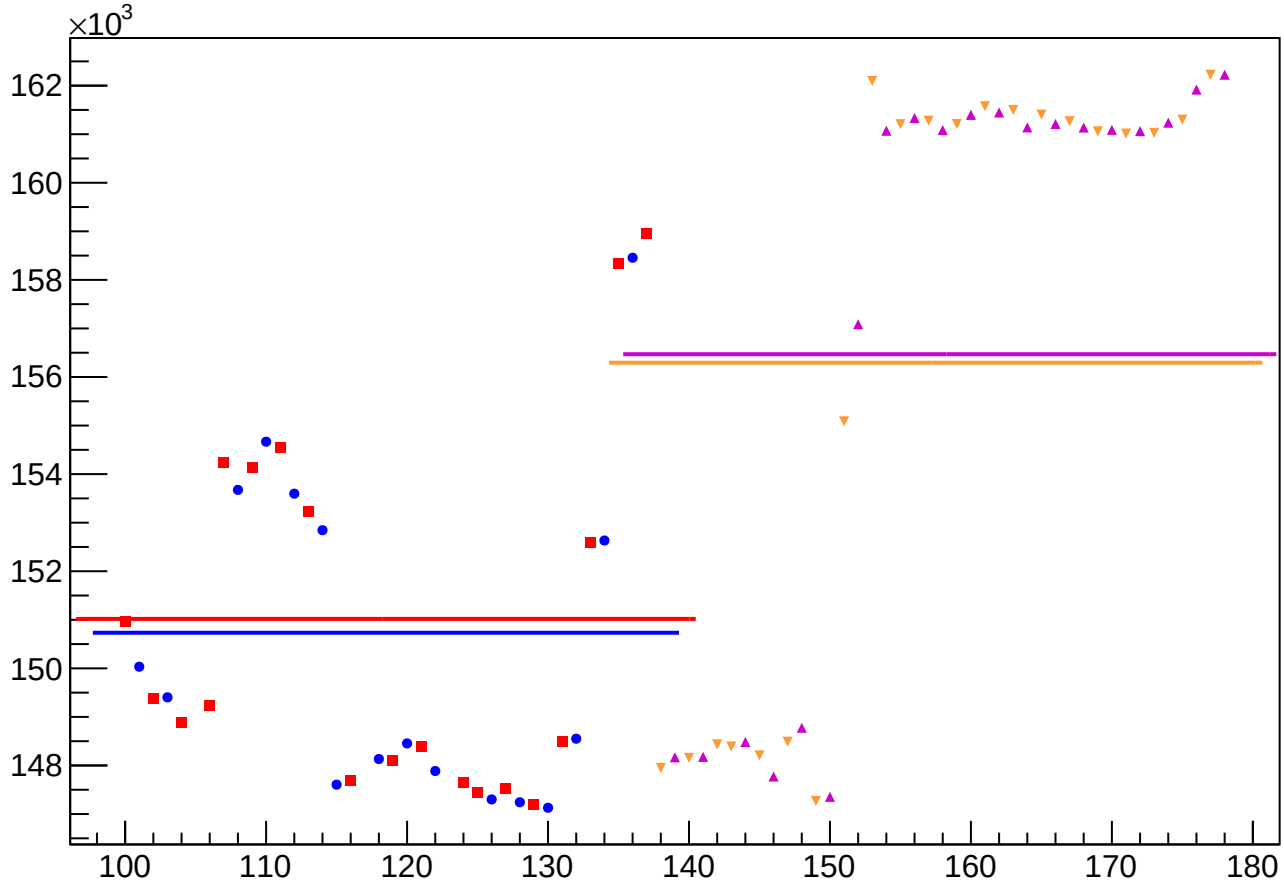
Left: 210.295+/-0.026 χ^2/NDF: 894426.9/40

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 200.956+/-0.030 χ^2/NDF:1590429.6/35

Out: 193.624+/-0.029 χ^2/NDF:1993765.9/39

All: 197.124+/-0.021 χ^2/NDF: 3614750.8/75



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: 156469.431+/-0.052 χ^2/NDF:13662342464.2/19

Left: 156378.927+/-0.036 χ^2/NDF: 28967025271.4

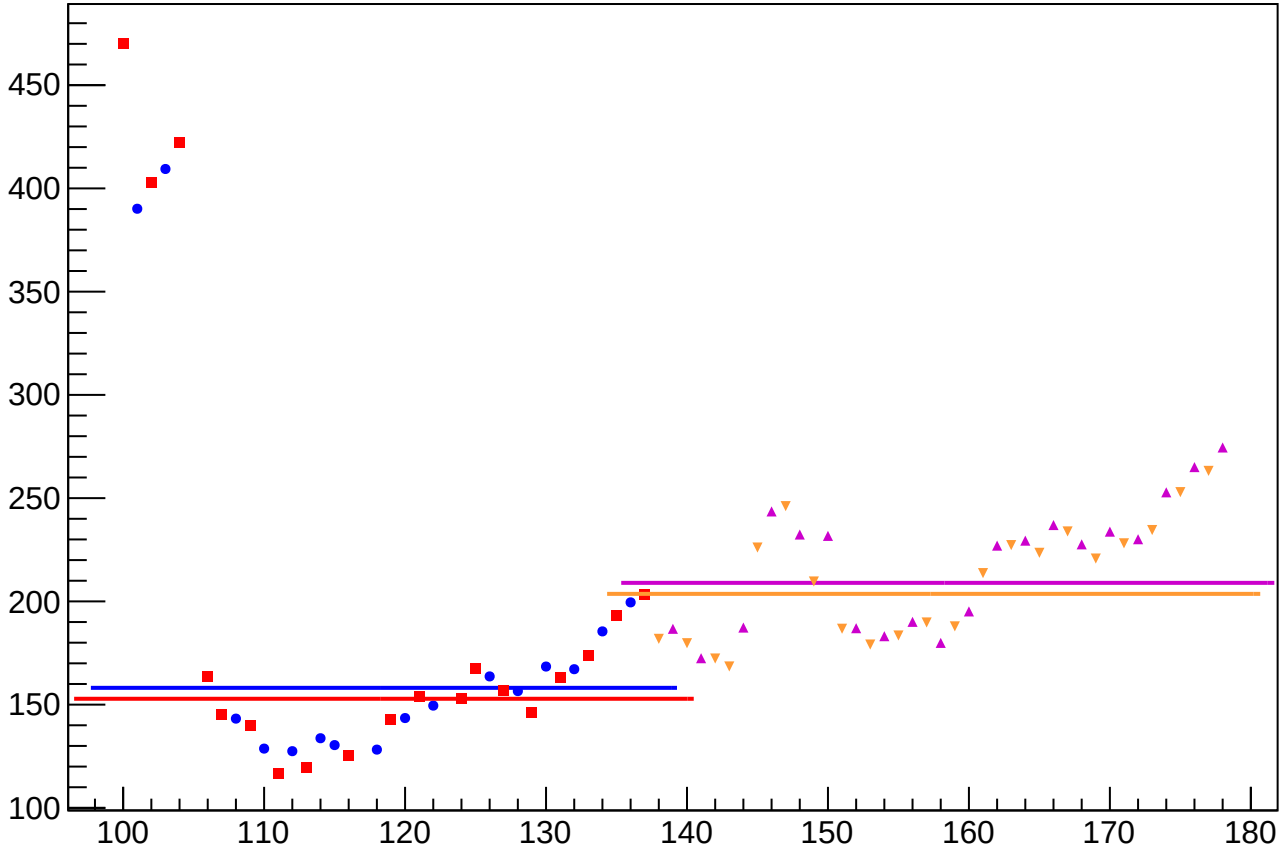
Right: 150882.491+/-0.043 χ^2/NDF: 6580735457.3/

In: 154114.935+/-0.040 χ^2/NDF:21849197478.5/3

Out: 154103.956+/-0.039 χ^2/NDF:23098846666.7

All: 154109.223+/-0.028 χ^2/NDF: 44948082

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: 208.976+/-0.037 χ^2/NDF:602643.9/19

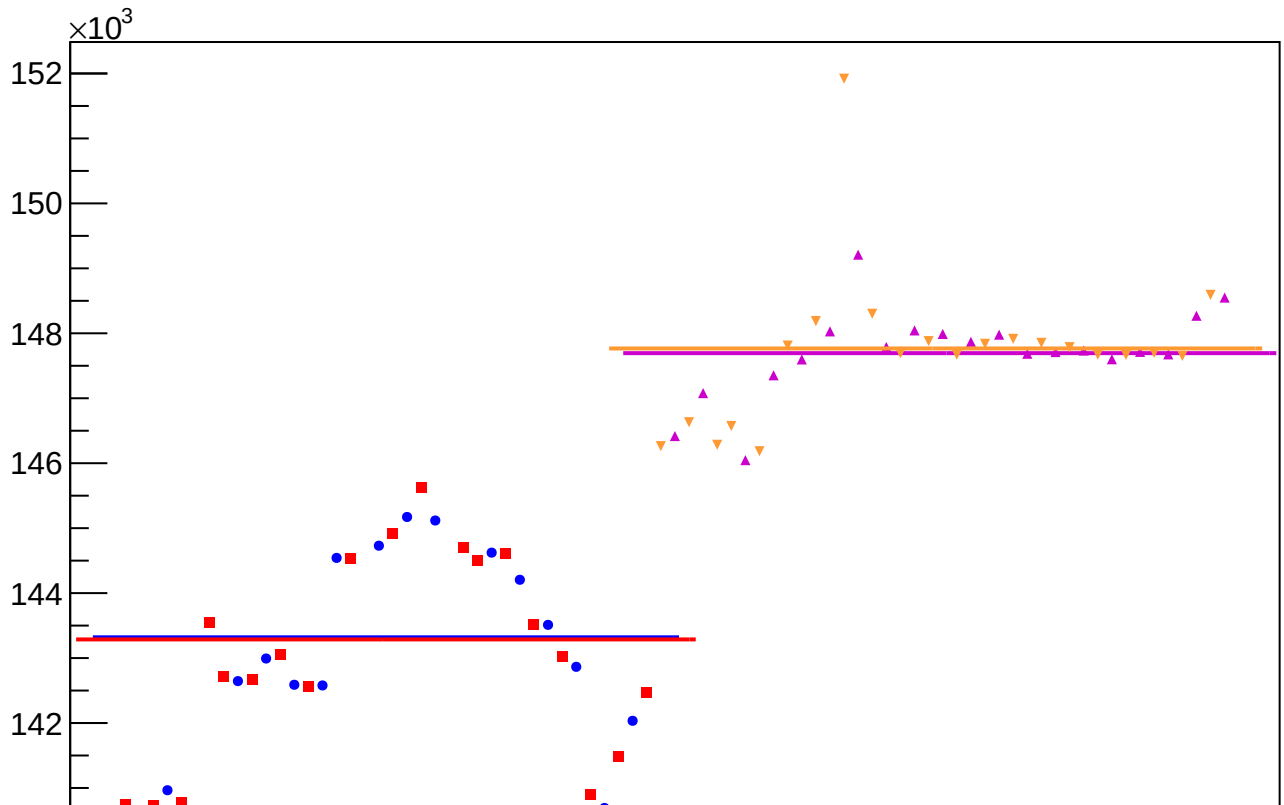
Left: 206.211+/-0.026 χ^2/NDF: 1171326.8/40

Right: 155.367+/-0.031 χ^2/NDF: 2467354.6/34

In: 188.108+/-0.028 χ^2/NDF:2568590.9/35

Out: 182.548+/-0.027 χ^2/NDF:2659045.8/39

All: 185.216+/-0.020 χ^2/NDF: 5247447.9/75



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: 147694.391+/-0.049 χ^2/NDF:213996250.5/19

Left: 147731.713+/-0.034 χ^2/NDF: 896279248.4/40

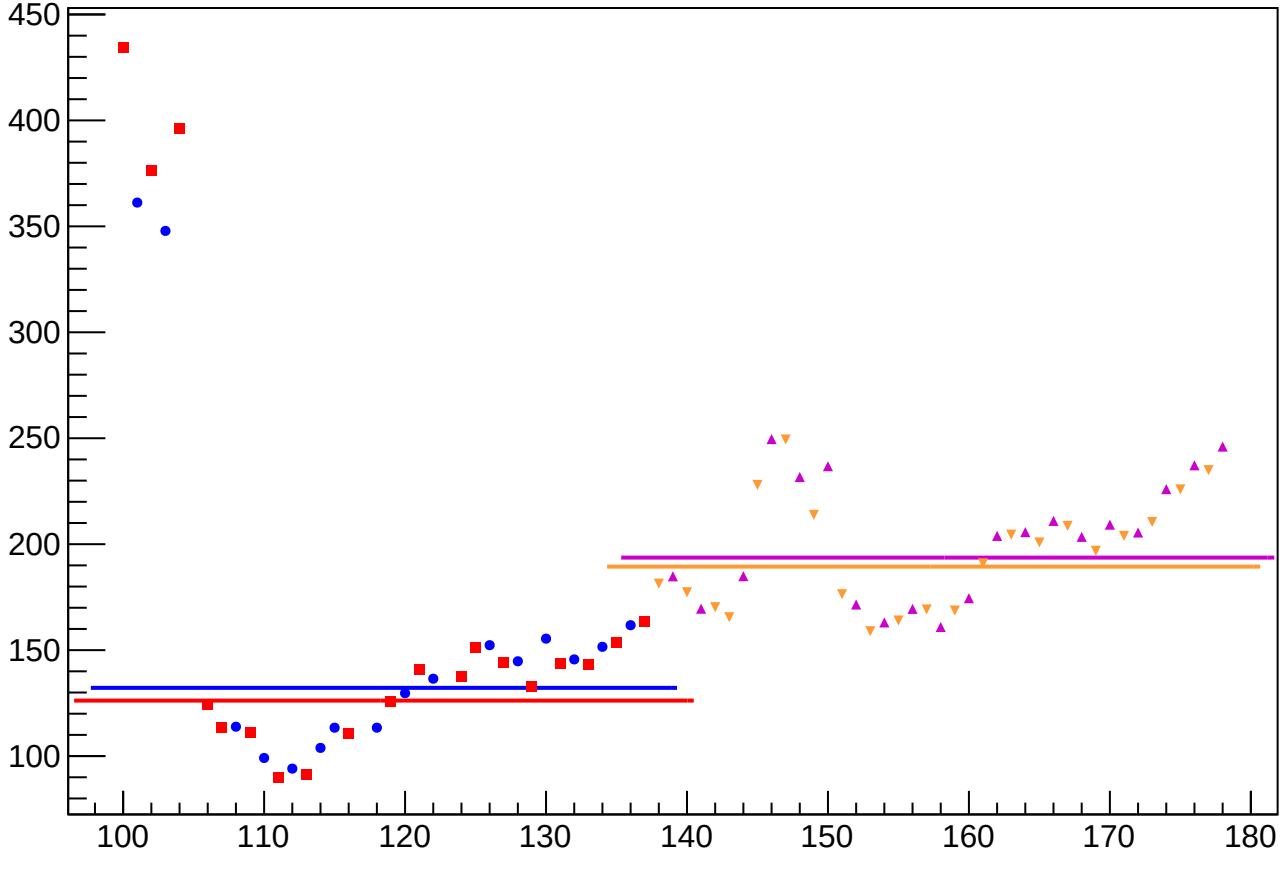
Right: 143302.220+/-0.036 χ^2/NDF: 1180025024.1/

In: 145697.100+/-0.036 χ^2/NDF:4458635451.7/35

Out: 145648.535+/-0.034 χ^2/NDF:5583327135.7/3

All: 145671.629+/-0.025 χ^2/NDF: 10042922

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: 193.666+/-0.034 χ^2/NDF:633390.4/19

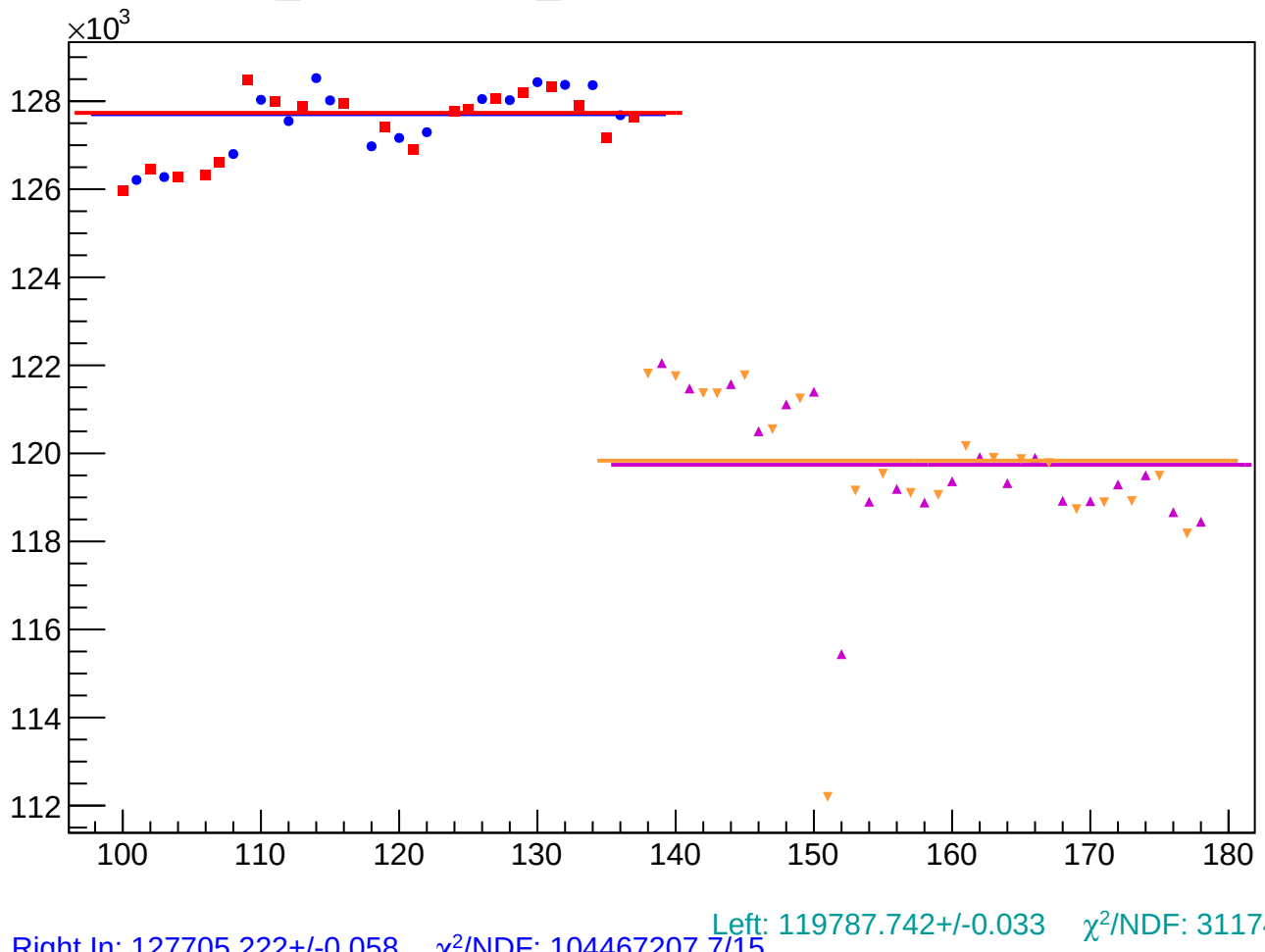
Left: 191.470+/-0.024 χ^2/NDF: 1171244.5/40

Right: 128.998+/-0.026 χ^2/NDF: 2937865.2/34

In: 165.606+/-0.025 χ^2/NDF:3467414.8/35

Out: 159.523+/-0.024 χ^2/NDF:3780880.0/39

All: 162.415+/-0.018 χ^2/NDF: 7278421.8/75



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 119835.554+/-0.047 χ^2/NDF:1878555978.5/20

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

Left In: 119740.143+/-0.047 χ^2/NDF:1236813060.6/19

Left: 119787.742+/-0.033 χ^2/NDF: 3117451934.5/4

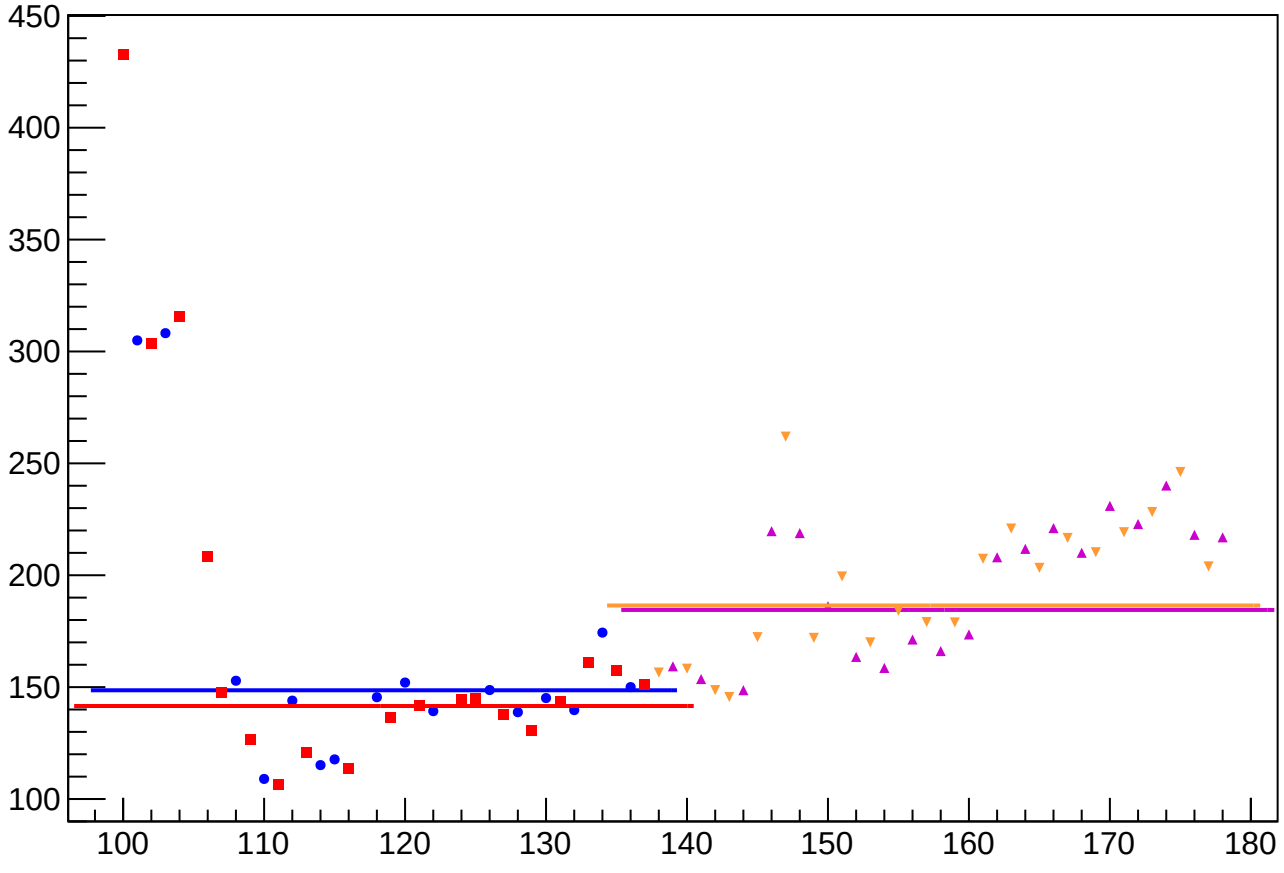
Right: 127720.787+/-0.040 χ^2/NDF: 214070280.4/3

In: 122845.350+/-0.036 χ^2/NDF:12684814429.9/3

Out: 123158.852+/-0.036 χ^2/NDF:13974033456.7

All: 123005.821+/-0.025 χ^2/NDF: 26696663

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: 184.486+/-0.033 χ^2/NDF:774724.3/19

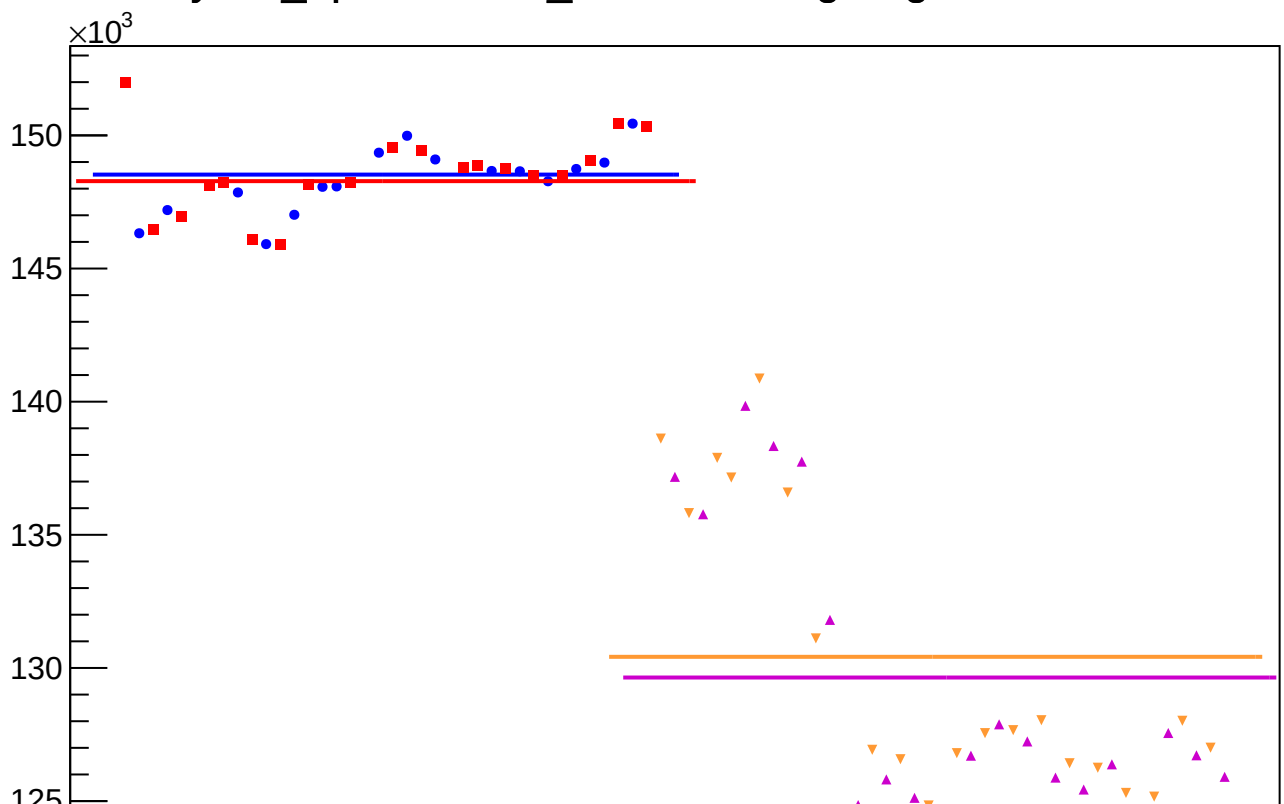
Left: 185.480+/-0.023 χ^2/NDF: 1558411.9/40

Right: 144.861+/-0.028 χ^2/NDF: 1844303.5/34

In: 170.493+/-0.026 χ^2/NDF:2063137.2/35

Out: 167.582+/-0.025 χ^2/NDF:2558197.1/39

All: 169.003+/-0.018 χ^2/NDF: 4627858.3/75



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: 129640.916+/-0.068 χ^2/NDF:6366081119.8/19

Left: 130028.702+/-0.048 χ^2/NDF: 12526271335.7

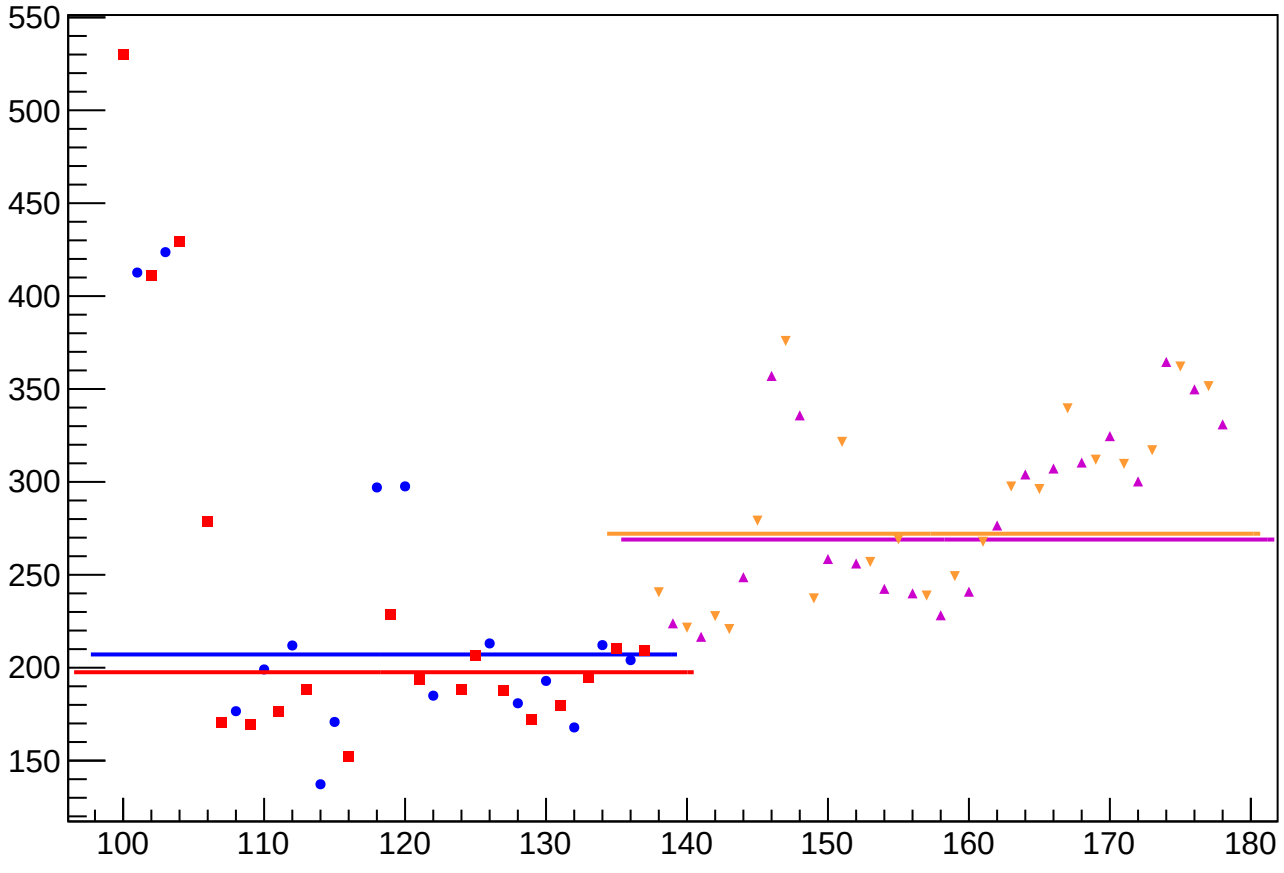
Right: 148396.583+/-0.056 χ^2/NDF: 508678498.1/3

In: 137330.532+/-0.052 χ^2/NDF:38072411685.5/3

Out: 138298.607+/-0.051 χ^2/NDF:36779658021.2/

All: 137827.746+/-0.036 χ^2/NDF: 75028150

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: 268.974+/-0.048 χ^2/NDF:853678.9/19

Left: 270.539+/-0.034 χ^2/NDF: 1687157.9/40

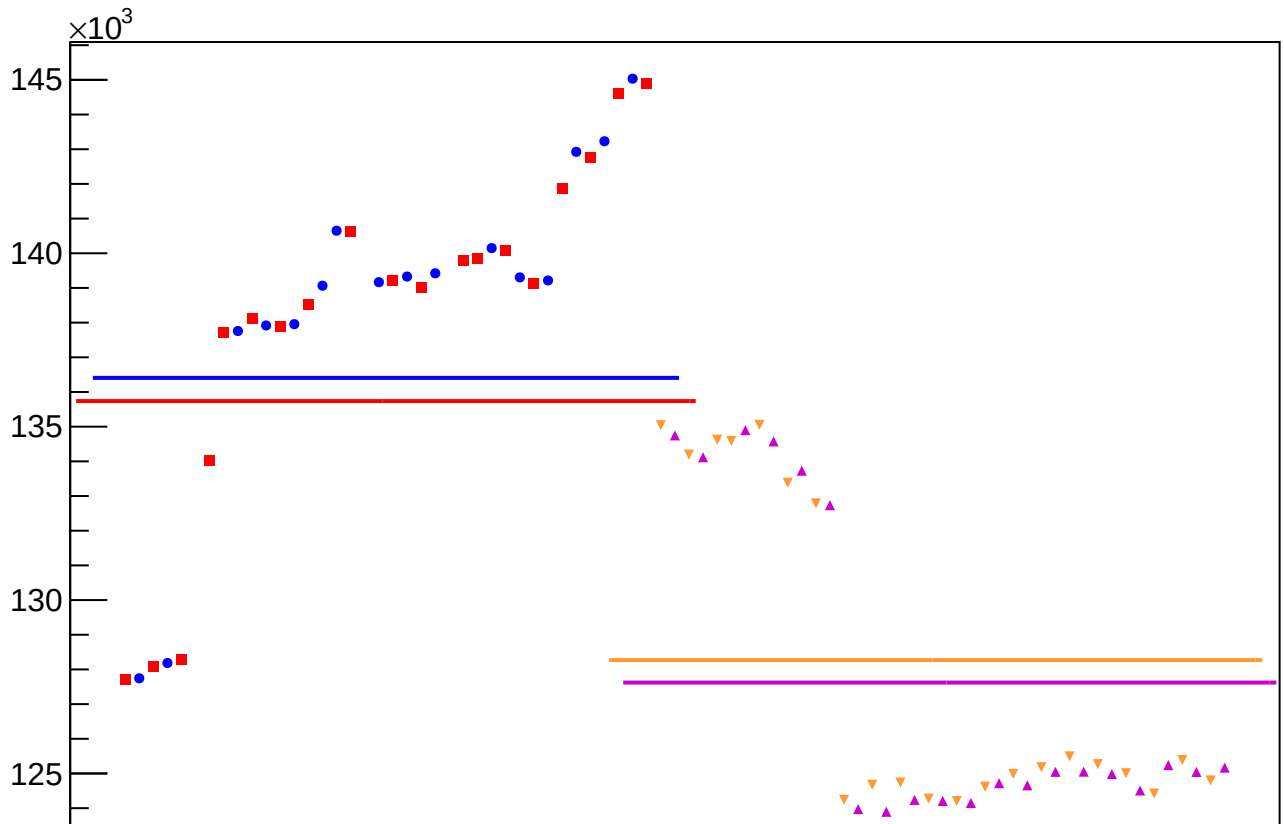
Right: 202.032+/-0.040 χ^2/NDF: 1890755.2/34

In: 243.797+/-0.037 χ^2/NDF:2501216.5/35

Out: 239.229+/-0.036 χ^2/NDF:2793616.6/39

All: 241.450+/-0.026 χ^2/NDF: 5302674.0/75

yield_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 128269.742+/-0.146 χ^2/NDF:1000238473.3/20

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

Left In: 127621.508+/-0.147 χ^2/NDF:915183388.9/19

Left: 127946.576+/-0.104 χ^2/NDF: 1925196043.7/4

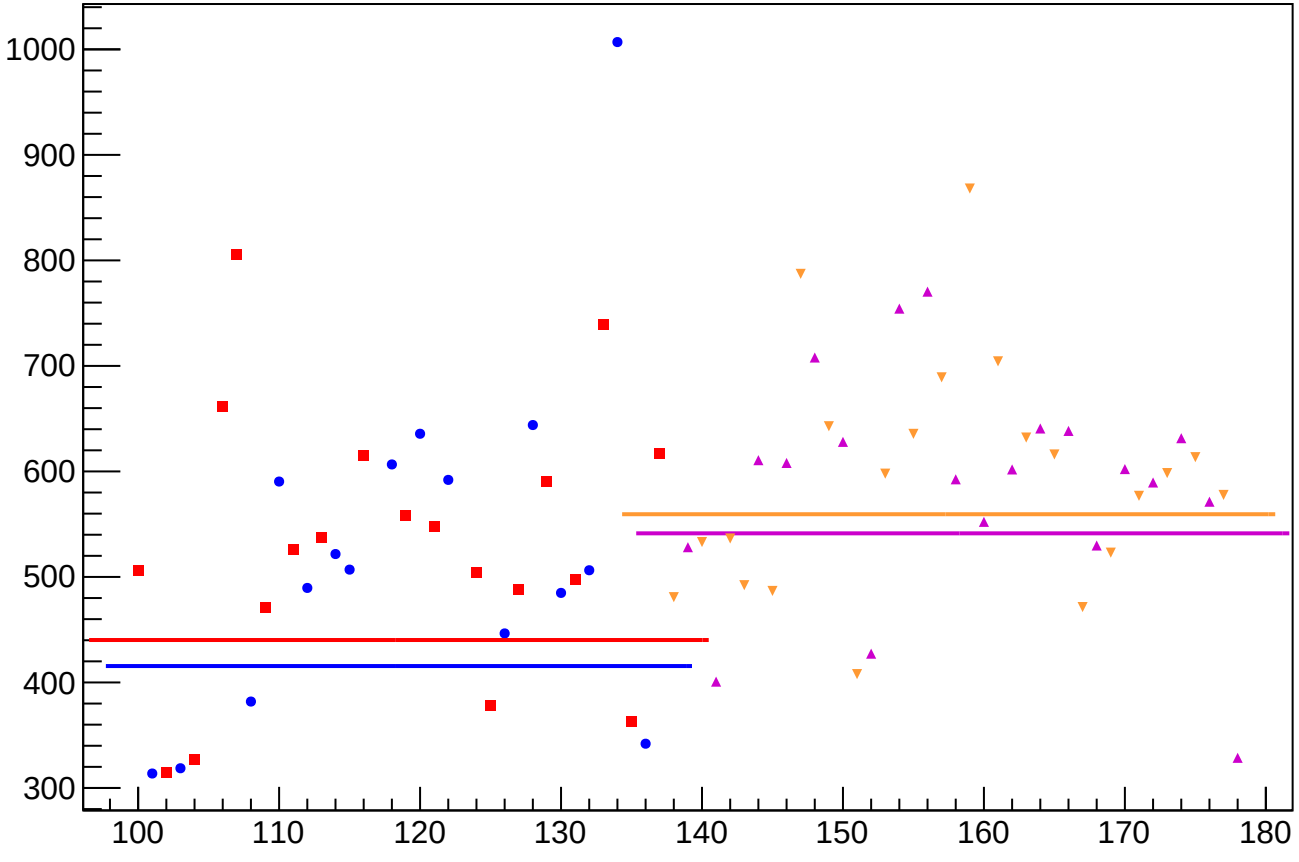
Right: 136088.335+/-0.122 χ^2/NDF: 2758689484.9/

In: 131411.347+/-0.111 χ^2/NDF:4036643409.9/35

Out: 131310.338+/-0.113 χ^2/NDF:3233918923.3/3

All: 131361.749+/-0.079 χ^2/NDF: 72709710

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: 541.323+/-0.104 χ^2/NDF:1314797.7/19

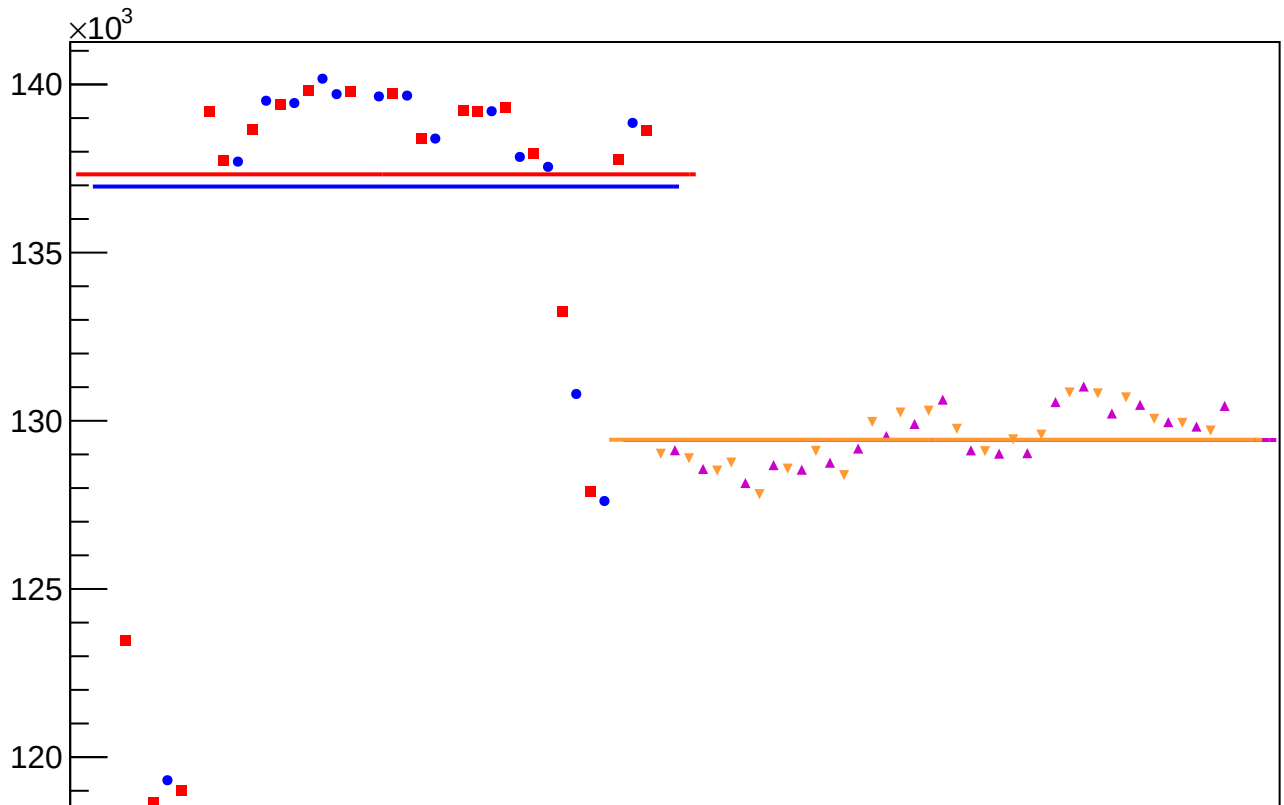
Left: 550.405+/-0.073 χ^2/NDF: 2209122.1/40

Right: 427.304+/-0.086 χ^2/NDF: 1962803.8/34

In: 487.066+/-0.078 χ^2/NDF:2979471.7/35

Out: 510.899+/-0.080 χ^2/NDF:2329785.6/39

All: 498.769+/-0.056 χ^2/NDF: 5354760.9/75



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 129437.916+/-0.049 χ^2/NDF:277914570.9/20

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

Left In: 129428.246+/-0.050 χ^2/NDF:266767261.3/19

Left: 129433.160+/-0.035 χ^2/NDF: 544700665.4/40

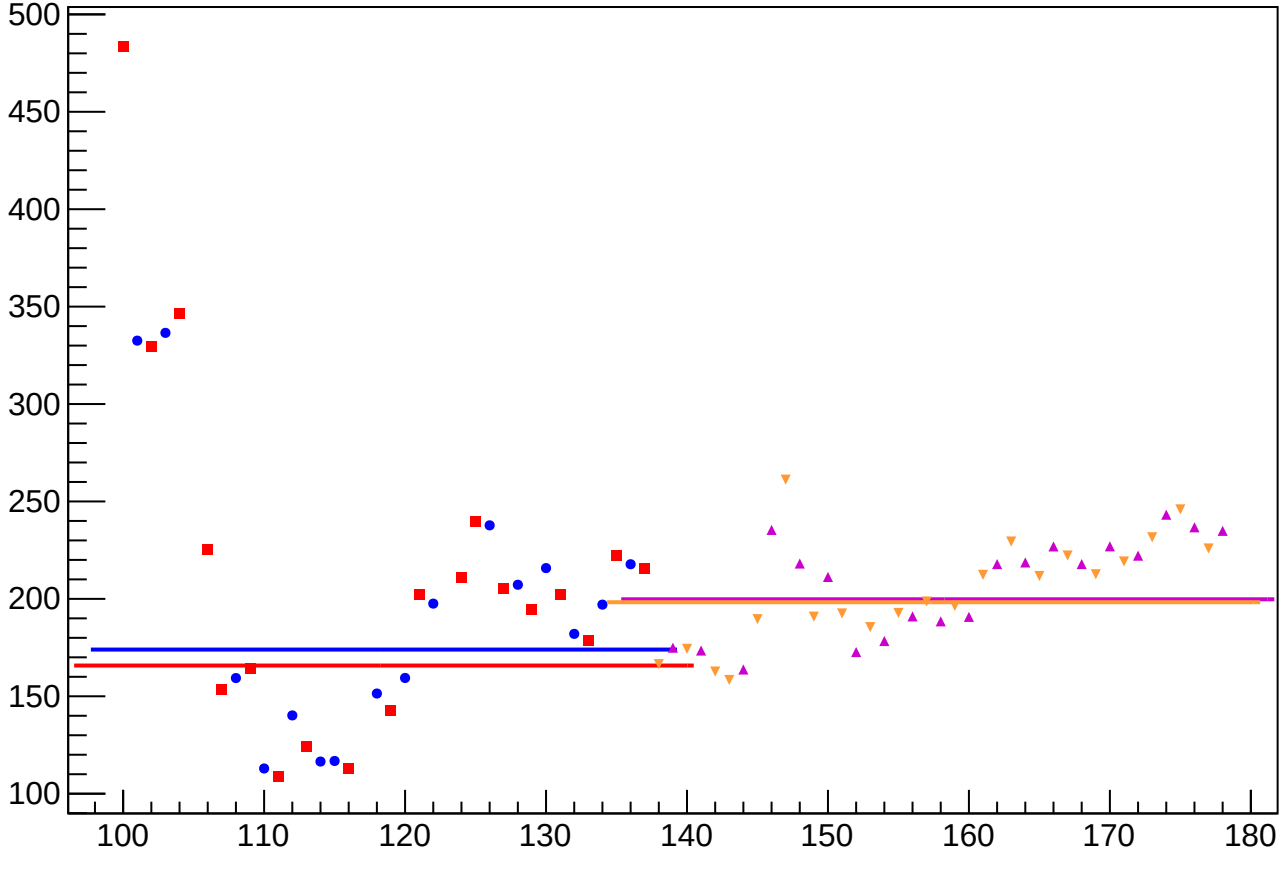
Right: 137157.181+/-0.048 χ^2/NDF: 1155984872

In: 132003.243+/-0.041 χ^2/NDF:1376597803

Out: 132292.576+/-0.039 χ^2/NDF:15238403999.9

All: 132152.524+/-0.028 χ^2/NDF: 29030383

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: 199.791+/-0.036 χ^2/NDF:504454.1/19

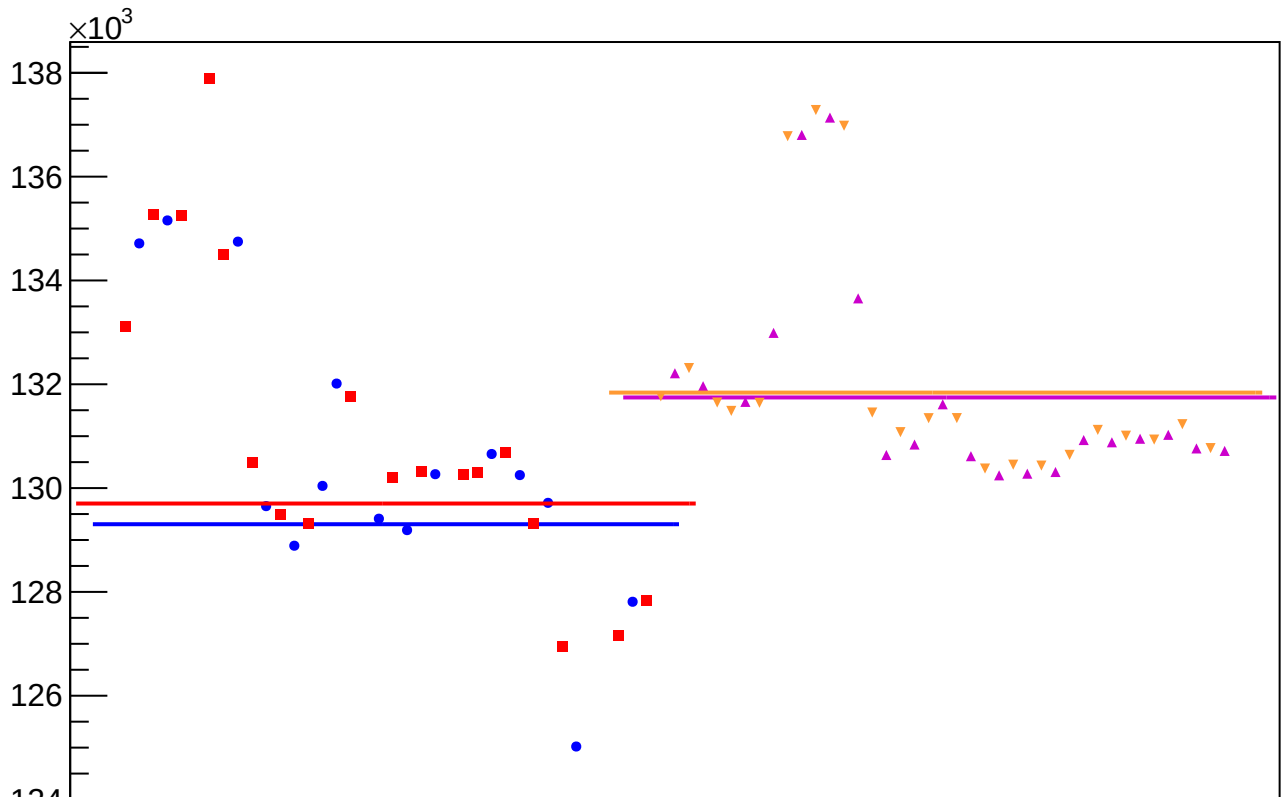
Left: 199.023+/-0.025 χ^2/NDF: 1045668.0/40

Right: 169.633+/-0.034 χ^2/NDF: 2636327.1/34

In: 190.973+/-0.029 χ^2/NDF:1873336.9/35

Out: 186.521+/-0.028 χ^2/NDF:2286465.2/39

All: 188.676+/-0.020 χ^2/NDF: 4172112.8/75



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: 131745.950+/-0.050 χ^2/NDF:1121119684.0/19

Left: 131793.557+/-0.035 χ^2/NDF: 2492459266.5/4

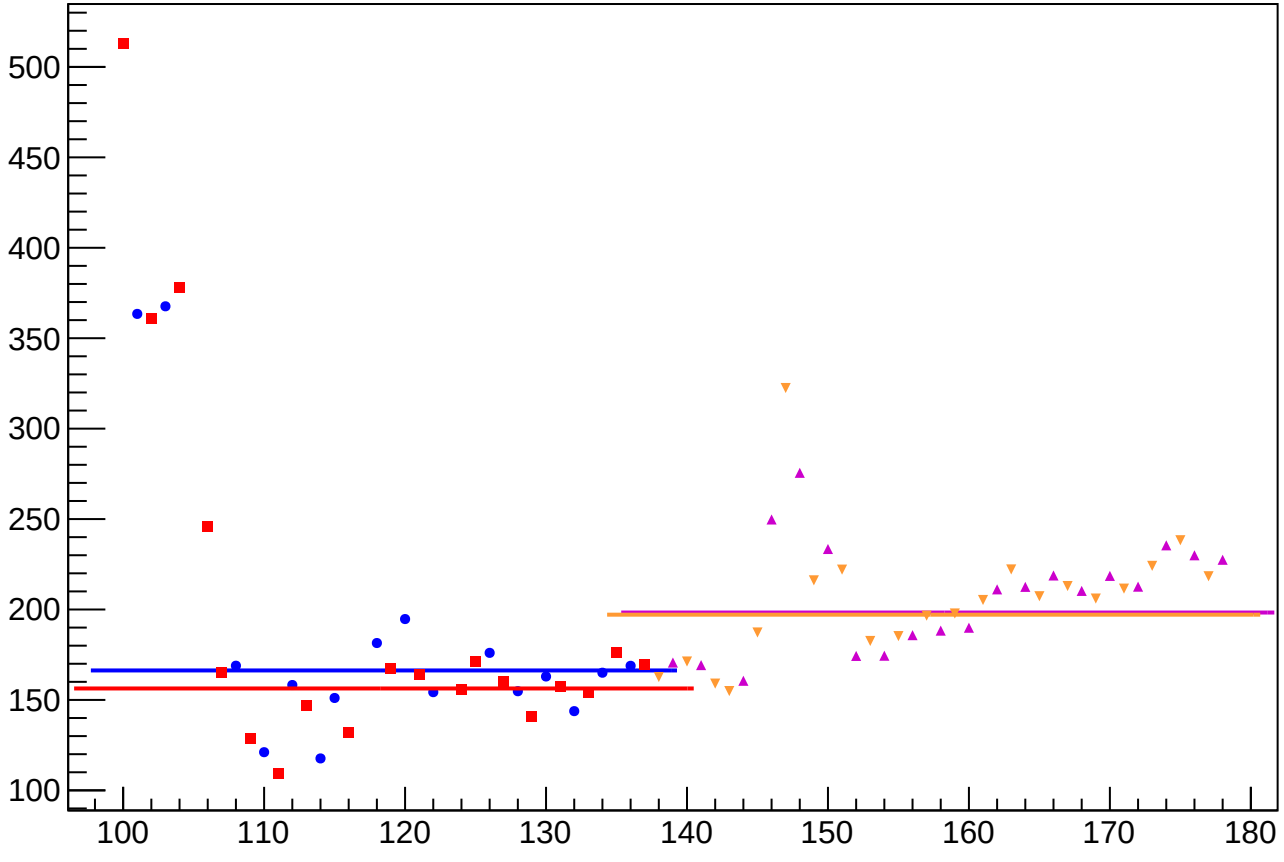
Right: 129517.750+/-0.045 χ^2/NDF: 3447412906.7/

In: 130858.638+/-0.040 χ^2/NDF:3637688967.3/35

Out: 131003.826+/-0.038 χ^2/NDF:3881583847.4/3

All: 130933.850+/-0.028 χ^2/NDF: 75261303

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: 198.323+/-0.035 χ^2/NDF:653431.5/19

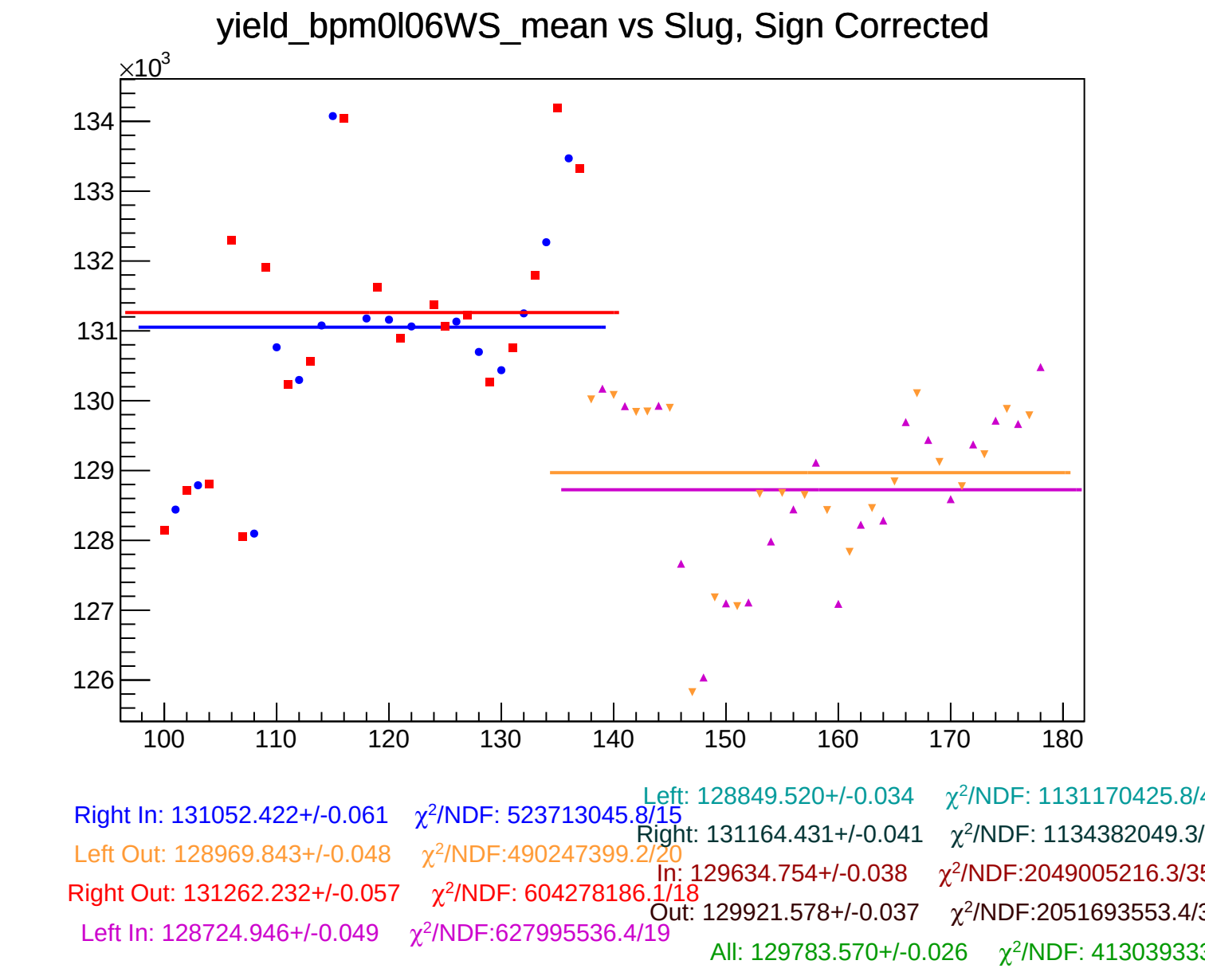
Left: 197.722+/-0.025 χ^2/NDF: 1357950.0/40

Right: 160.955+/-0.032 χ^2/NDF: 2135107.2/34

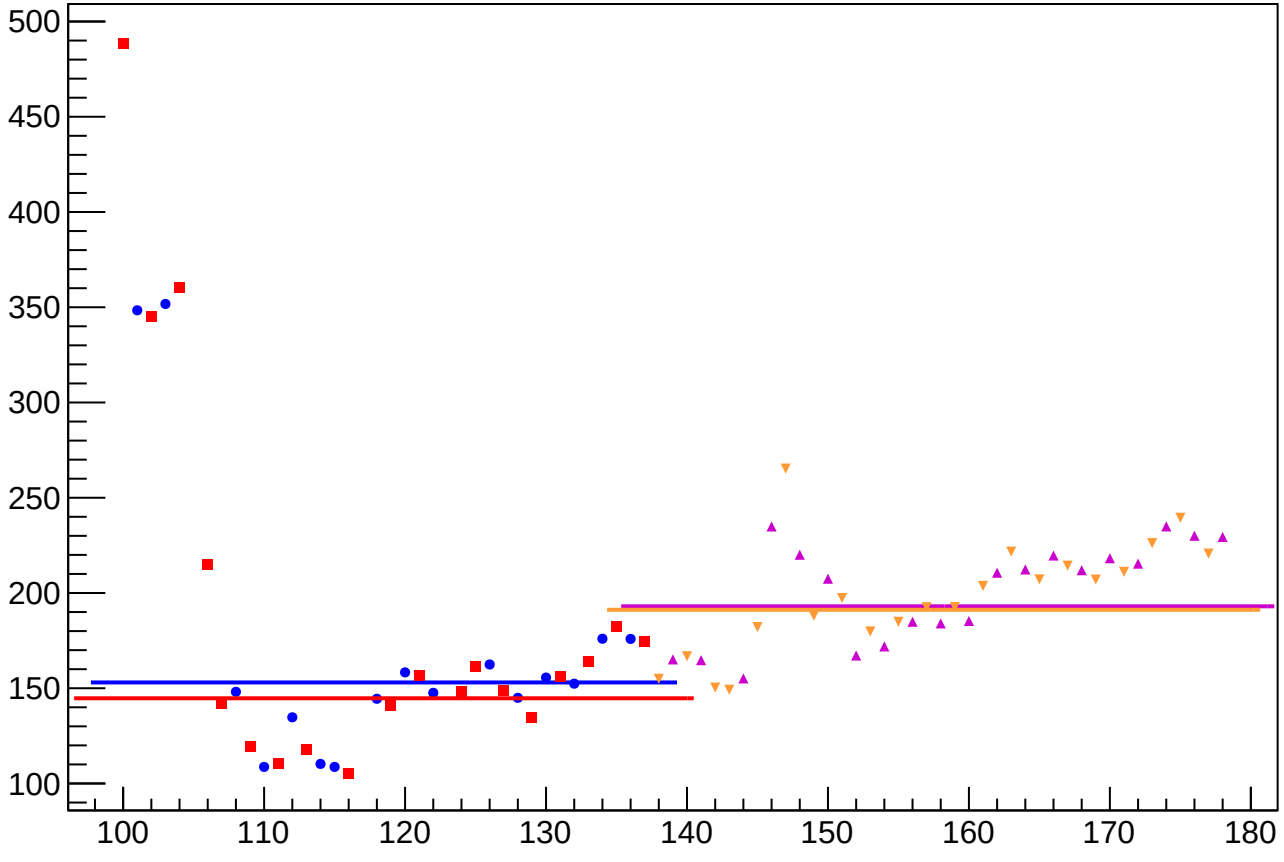
In: 186.688+/-0.028 χ^2/NDF:1889271.6/35

Out: 181.177+/-0.027 χ^2/NDF:2412050.7/39

All: 183.833+/-0.020 χ^2/NDF: 4321088.3/75


yield_bpm0l06WS_mean vs Slug, Sign Corrected
×10^3
134
133
132
131
130
129
128
127
126
100
110
120
130
140
150
160
170
180
Right In: 131052.422+/-0.061 χ²/NDF: 523713045.8/15
Left Out: 128969.843+/-0.048 χ²/NDF:490247399.2/20
Right Out: 131262.232+/-0.057 χ²/NDF: 604278186.1/18
Left In: 128724.946+/-0.049 χ²/NDF:627995536.4/19
Left: 128849.520+/-0.034 χ²/NDF: 1131170425.8/4
Right: 131164.431+/-0.041 χ²/NDF: 1134382049.3/
In: 129634.754+/-0.038 χ²/NDF:2049005216.3/35
Out: 129921.578+/-0.037 χ²/NDF:2051693553.4/3
All: 129783.570+/-0.026 χ²/NDF: 41303933

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: 193.007+/-0.034 χ^2/NDF:587797.9/19

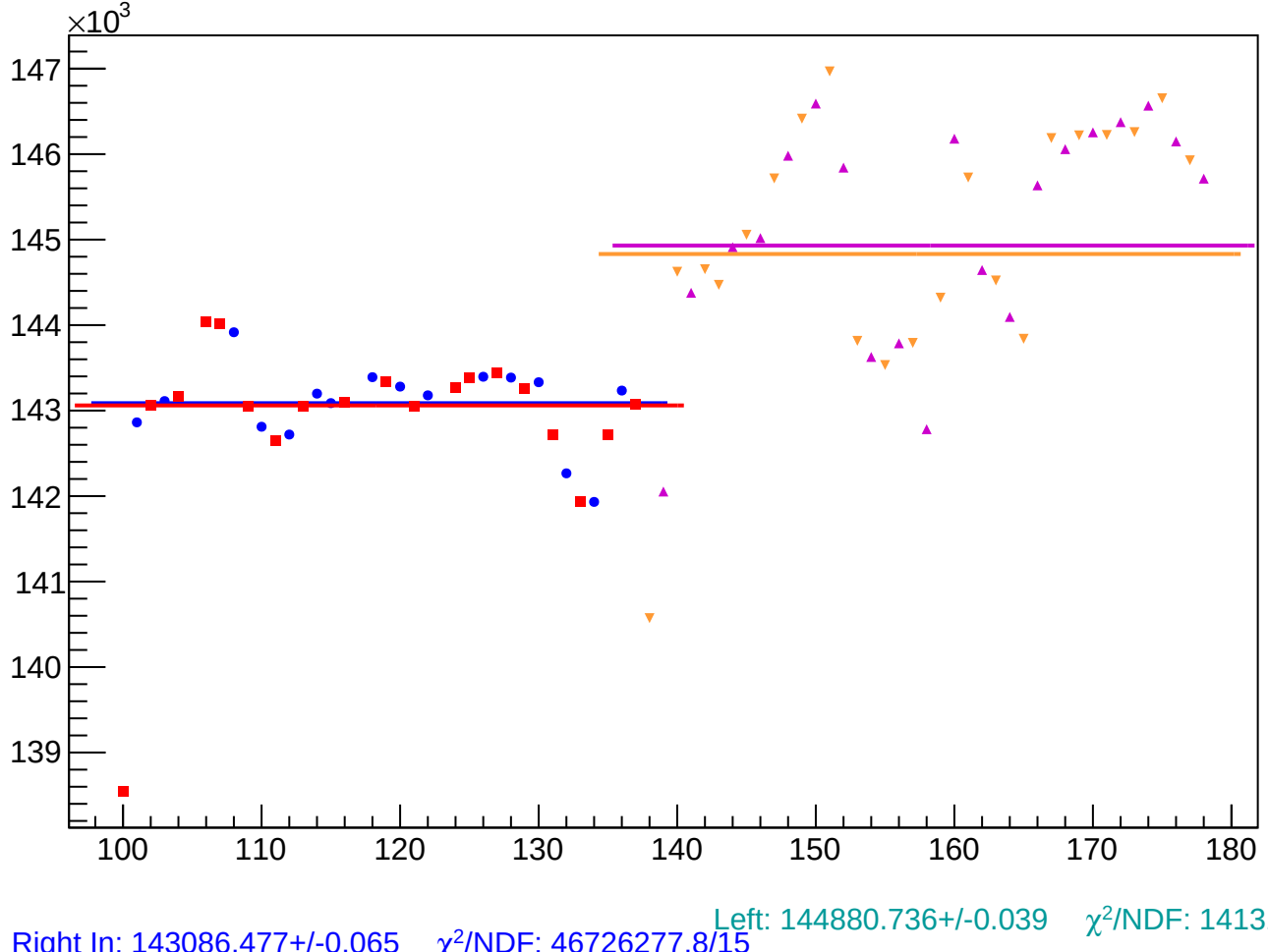
Left: 192.087+/-0.024 χ^2/NDF: 1258532.3/40

Right: 148.605+/-0.029 χ^2/NDF: 2342954.4/34

In: 177.385+/-0.027 χ^2/NDF:2176368.5/35

Out: 171.907+/-0.026 χ^2/NDF:2719364.5/39

All: 174.543+/-0.019 χ^2/NDF: 4917396.0/75



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: 144930.923+/-0.056 χ^2/NDF:603071481.9/19

Left: 144880.736+/-0.039 χ^2/NDF: 1413126480.4/4

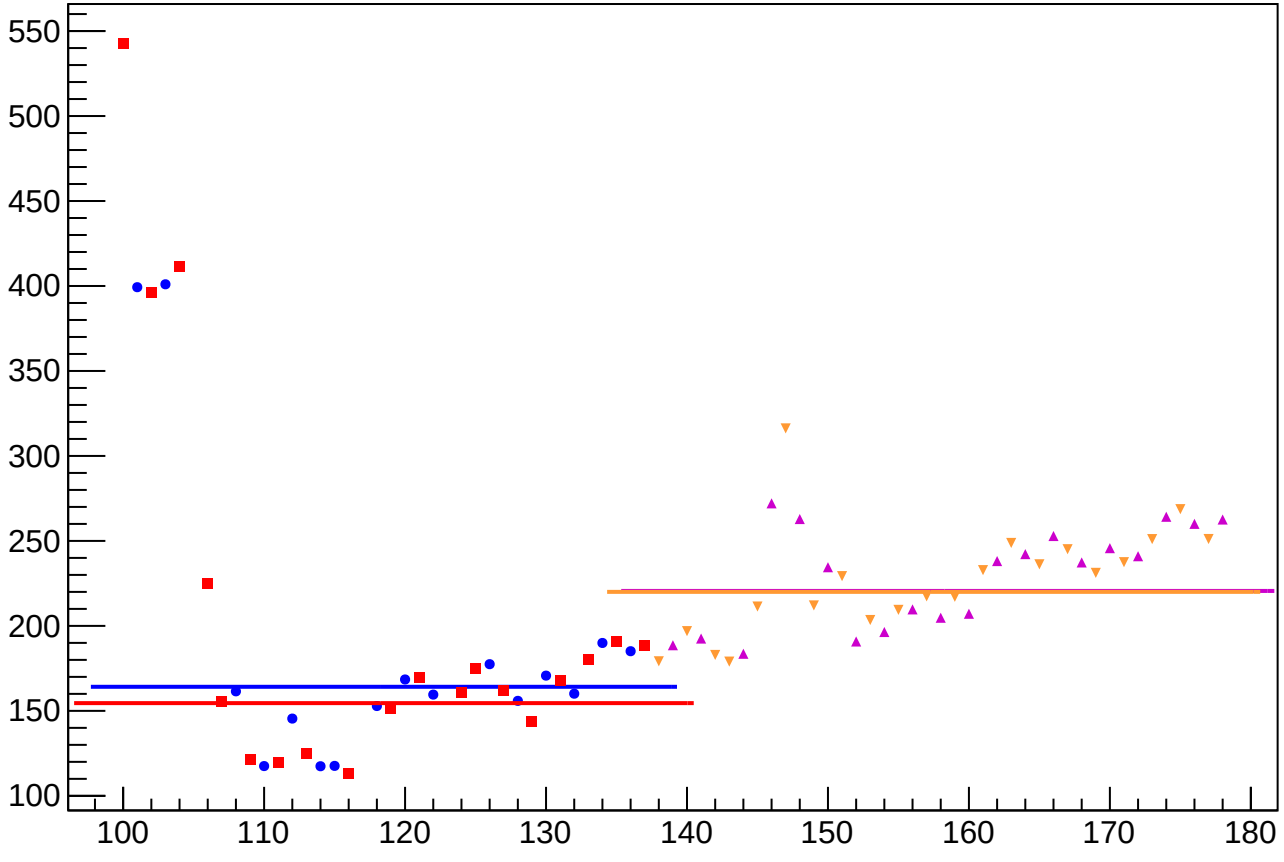
Right: 143072.451+/-0.044 χ^2/NDF: 98528807.3/34

In: 144154.146+/-0.042 χ^2/NDF:1114701607.1/35

Out: 144033.778+/-0.041 χ^2/NDF:1328869075.6/3

All: 144091.744+/-0.029 χ^2/NDF: 24477811

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: 220.564+/-0.039 χ^2/NDF:545523.0/19

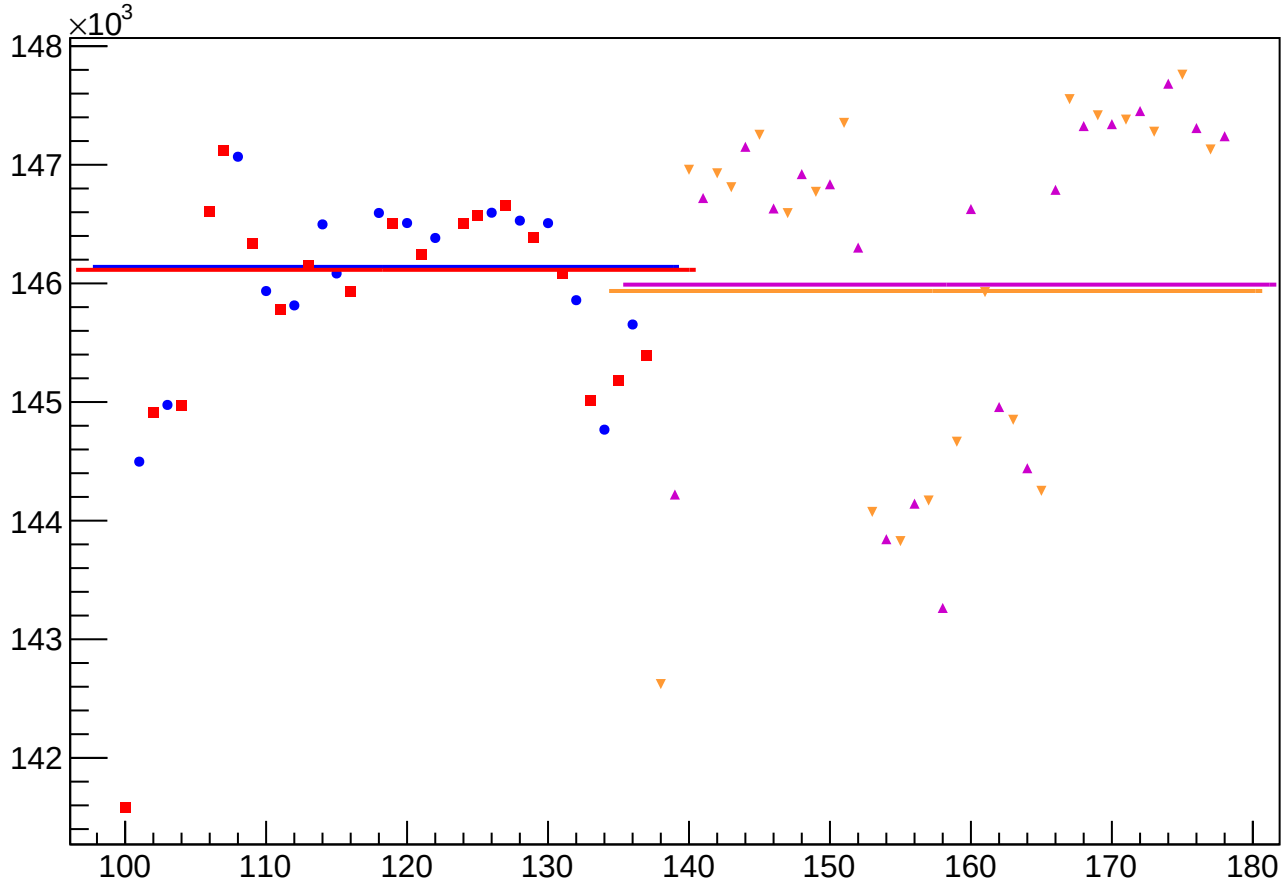
Left: 220.289+/-0.028 χ^2/NDF: 1102160.1/40

Right: 159.024+/-0.031 χ^2/NDF: 2519924.8/34

In: 196.812+/-0.030 χ^2/NDF:2544602.4/35

Out: 190.535+/-0.029 χ^2/NDF:3203677.8/39

All: 193.558+/-0.021 χ^2/NDF: 5771183.7/75



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: 145989.603+/-0.055 χ^2/NDF:675230190.4/19

Left: 145962.432+/-0.039 χ^2/NDF: 1517639967.0/4

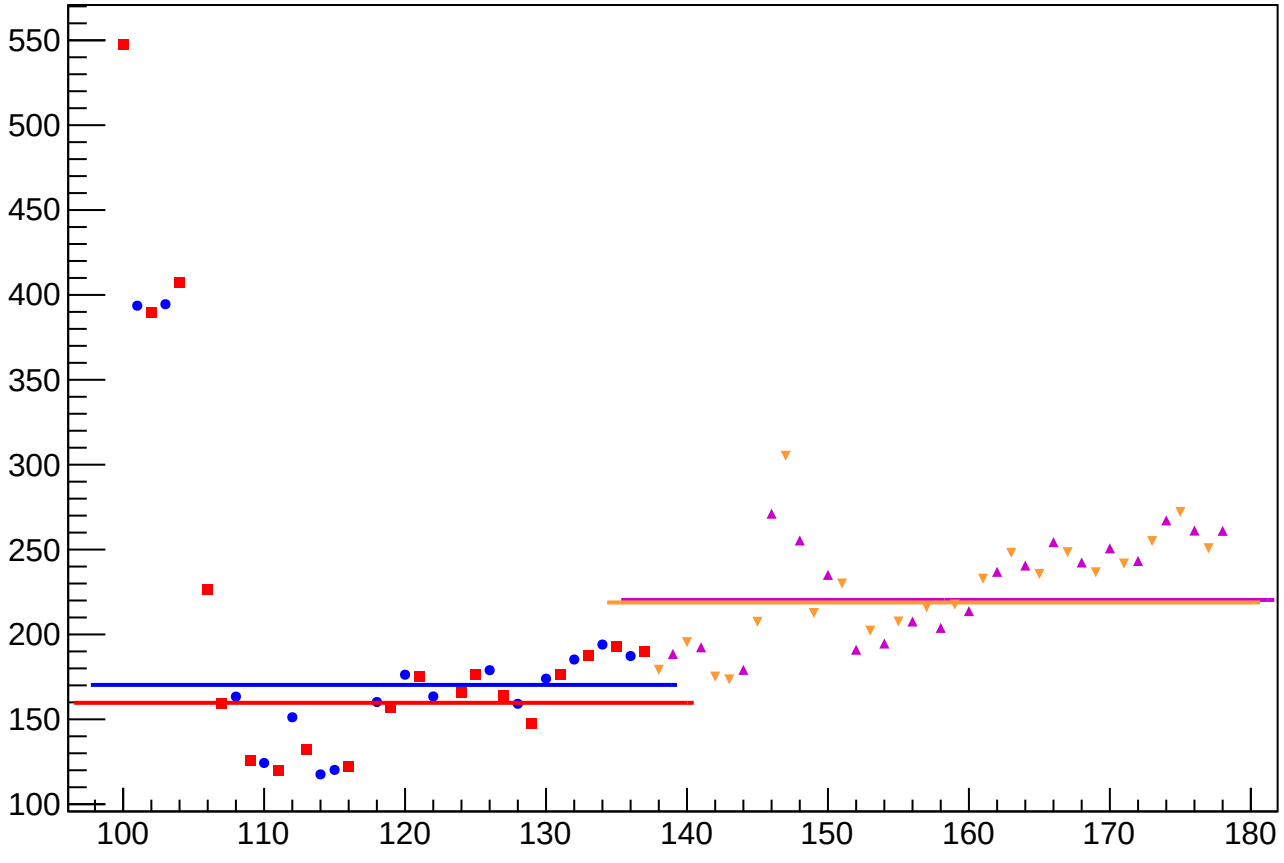
Right: 146125.912+/-0.046 χ^2/NDF: 144896615.7/3

In: 146050.064+/-0.043 χ^2/NDF:749890026.6/35

Out: 146013.386+/-0.041 χ^2/NDF:919657840.1/39

All: 146030.980+/-0.030 χ^2/NDF: 166992931

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: 220.319+/-0.039 χ^2/NDF:575160.5/19

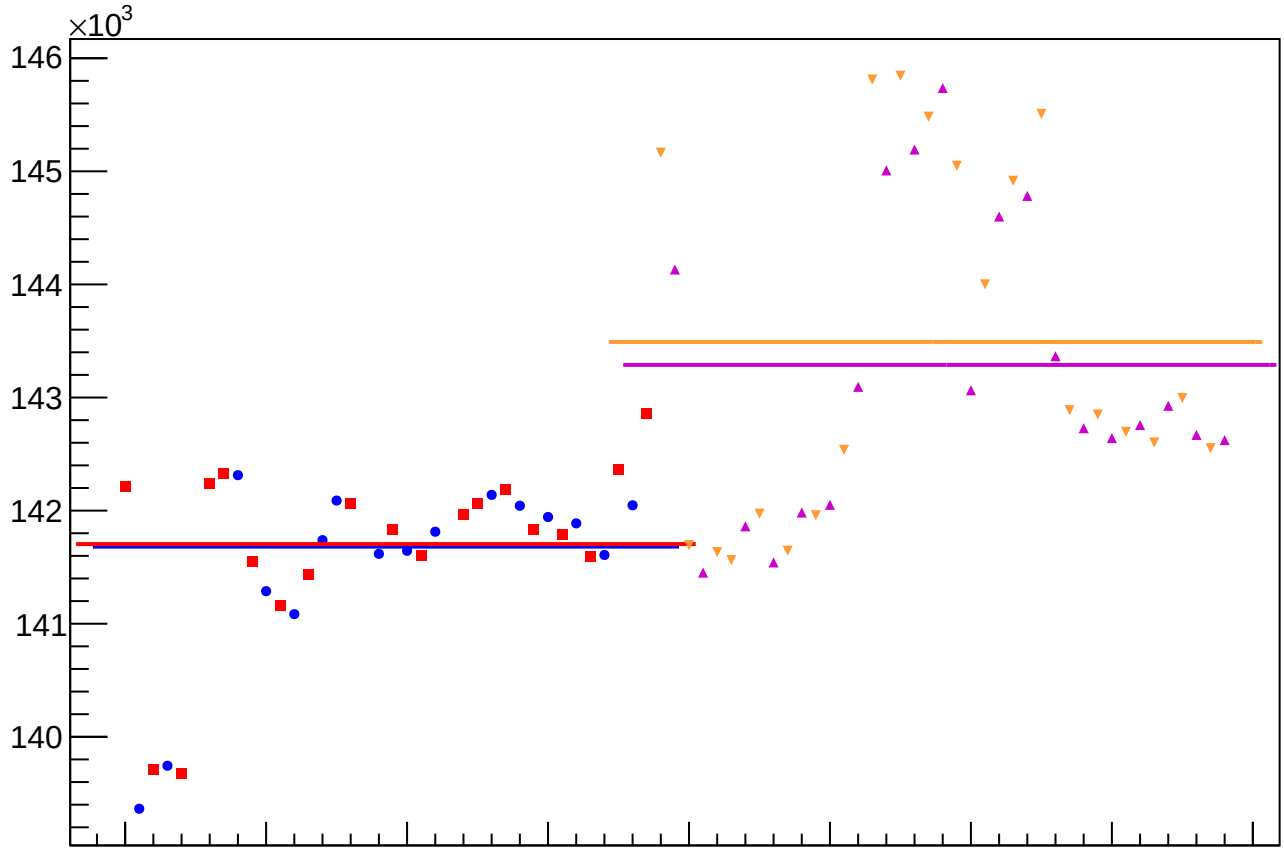
Left: 219.572+/-0.028 χ^2/NDF: 1192649.0/40

Right: 164.603+/-0.032 χ^2/NDF: 2375303.6/34

In: 200.100+/-0.030 χ^2/NDF:2289927.4/35

Out: 193.226+/-0.029 χ^2/NDF:2922856.4/39

All: 196.523+/-0.021 χ^2/NDF: 5239579.0/75



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: 143288.298+/-0.057 χ^2/NDF:519920321.1/19

Left: 143390.312+/-0.040 χ^2/NDF: 1277378892.0/4

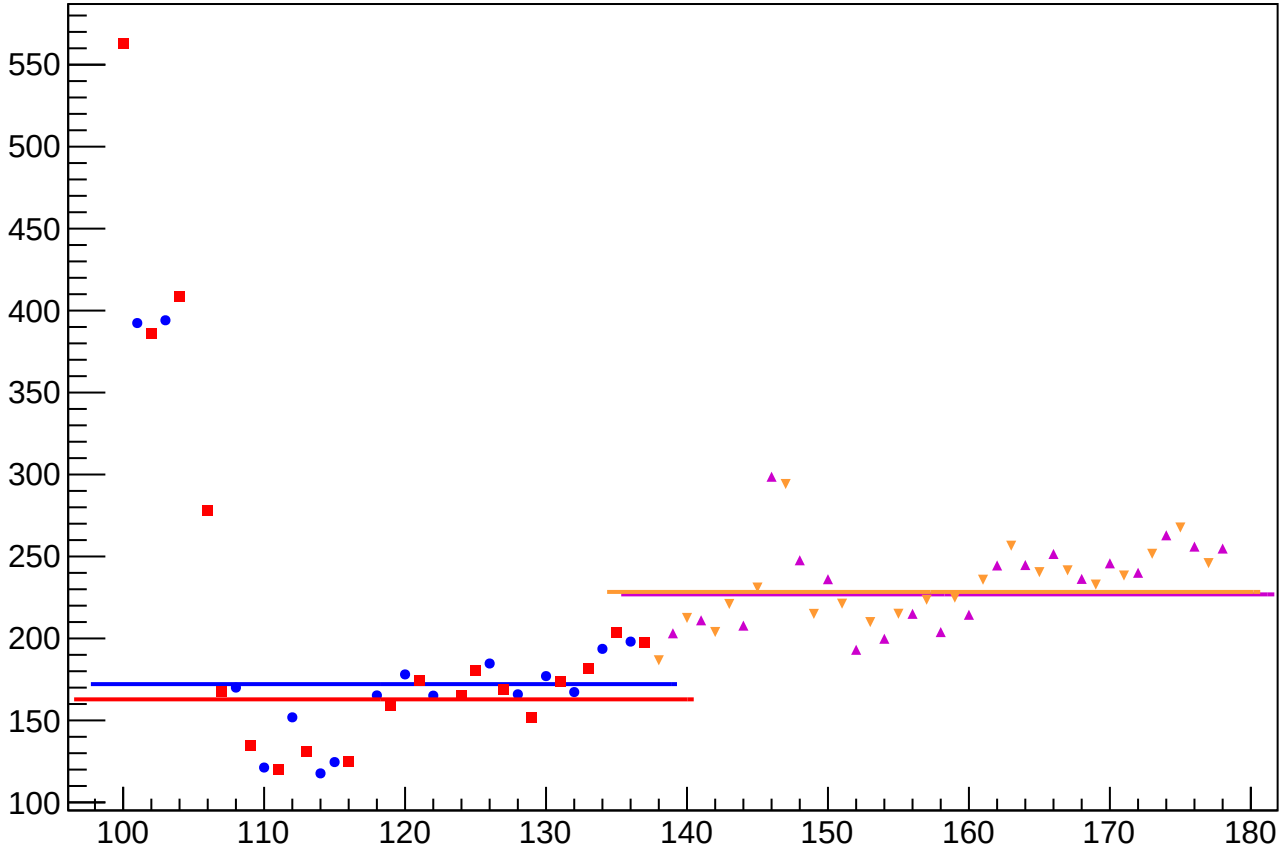
Right: 141693.772+/-0.047 χ^2/NDF: 129876966.3/3

In: 142628.483+/-0.044 χ^2/NDF:910495659.8/35

Out: 142702.530+/-0.042 χ^2/NDF:1255014488.0/3

All: 142666.685+/-0.030 χ^2/NDF: 21669878

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: 226.878+/-0.040 χ^2/NDF:387436.8/19

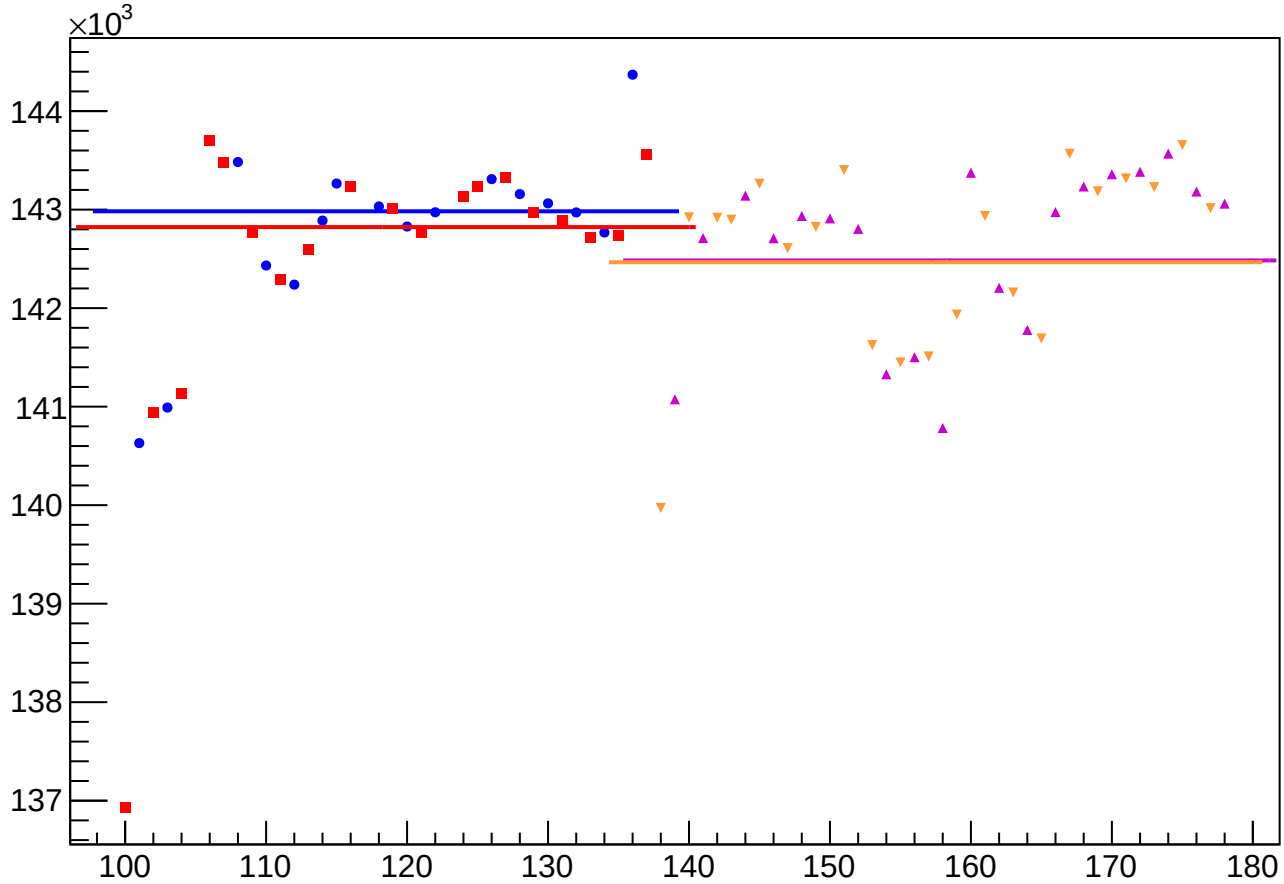
Left: 227.633+/-0.028 χ^2/NDF: 687940.9/40

Right: 167.177+/-0.033 χ^2/NDF: 2394232.5/34

In: 204.395+/-0.031 χ^2/NDF:2213691.5/35

Out: 199.456+/-0.030 χ^2/NDF:2784811.3/39

All: 201.847+/-0.022 χ^2/NDF: 5011652.0/75



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: 142484.137+/-0.054 χ^2/NDF:263959770.9/19

Left: 142474.811+/-0.038 χ^2/NDF: 594151037.6/40

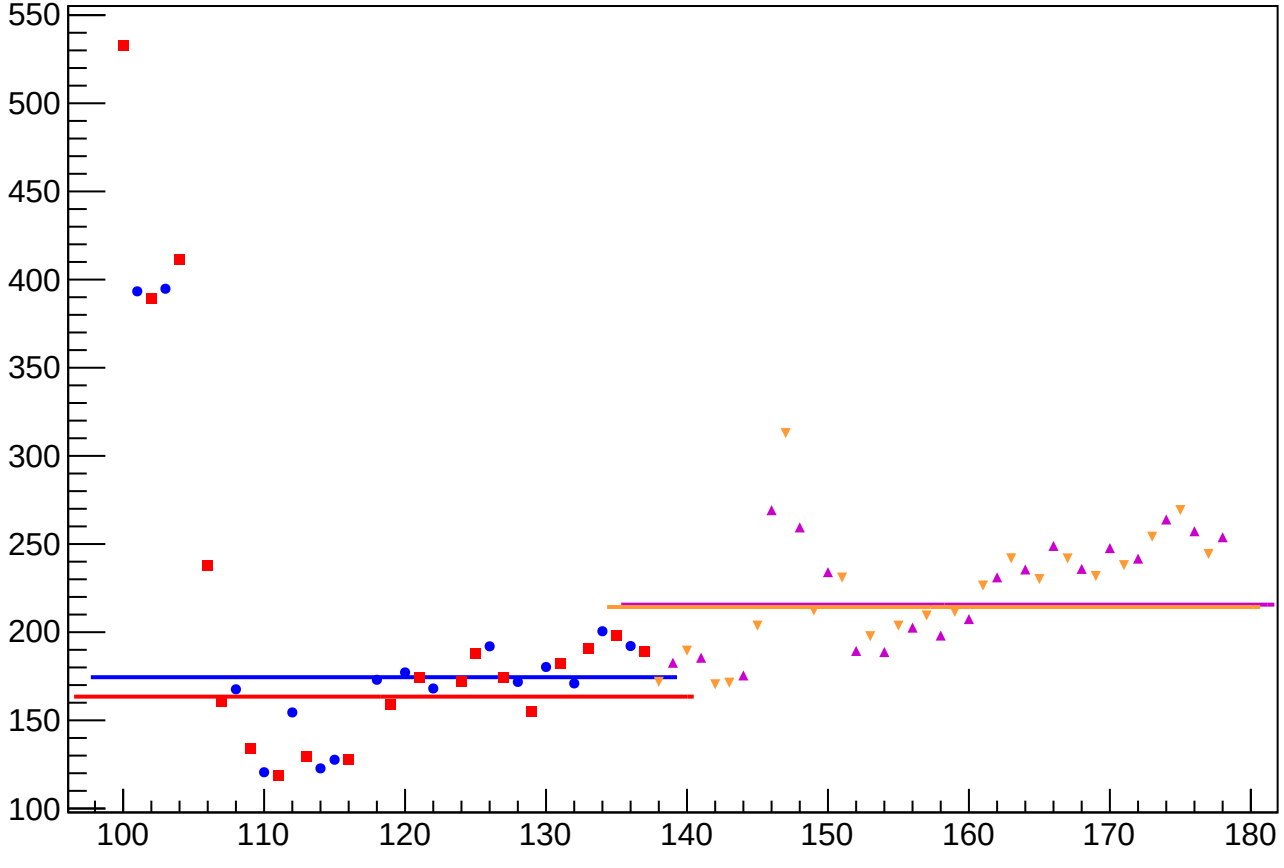
Right: 142896.762+/-0.047 χ^2/NDF: 174171580.7/3

In: 142674.615+/-0.043 χ^2/NDF:403866696.4/35

Out: 142612.543+/-0.041 χ^2/NDF:412013593.2/39

All: 142642.361+/-0.030 χ^2/NDF: 81697810

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: 215.627+/-0.038 χ^2/NDF:630337.1/19

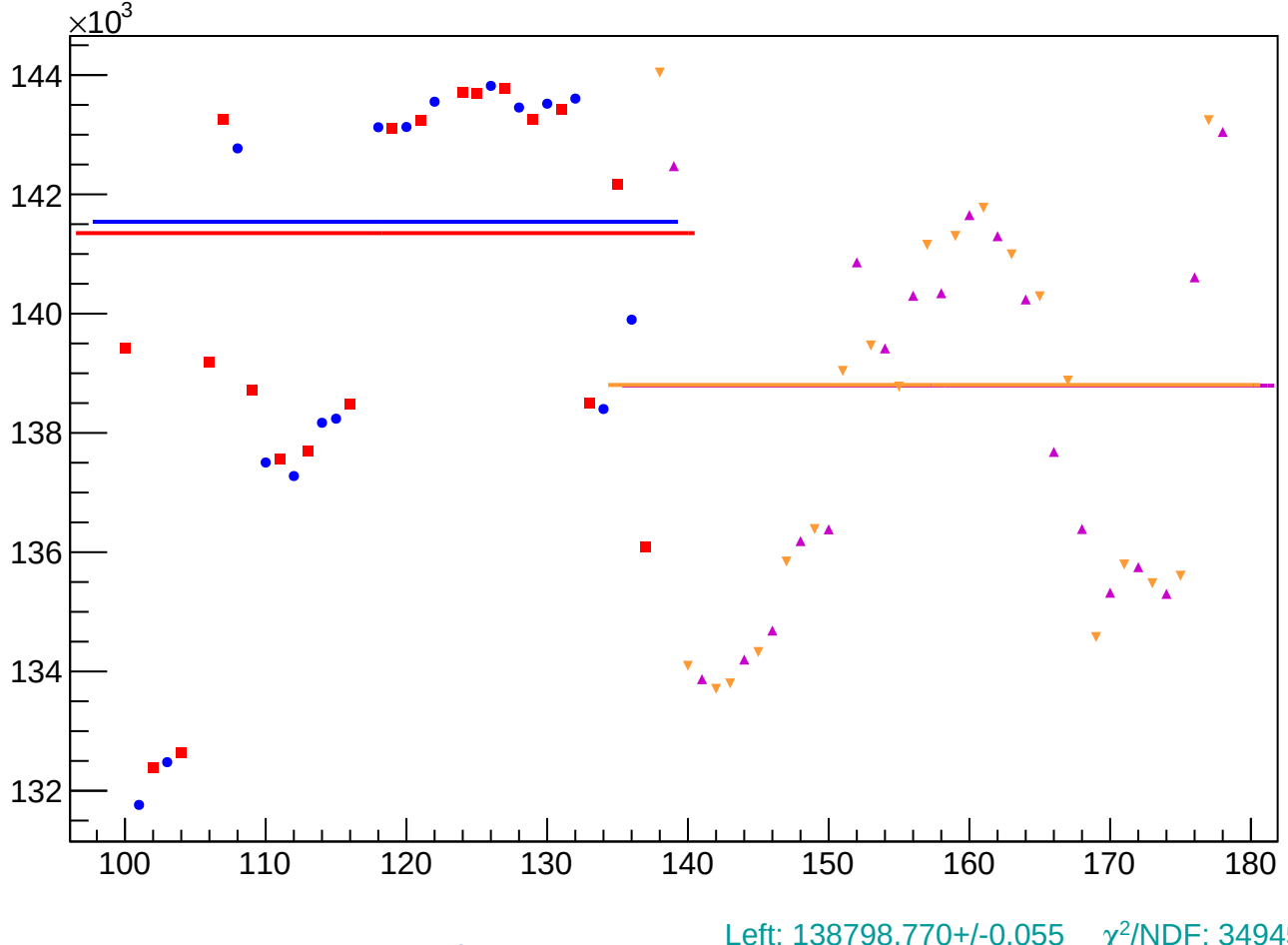
Left: 214.949+/-0.027 χ^2/NDF: 1309041.3/40

Right: 168.538+/-0.033 χ^2/NDF: 2358977.1/34

In: 199.911+/-0.030 χ^2/NDF:2118002.7/35

Out: 193.384+/-0.029 χ^2/NDF:2703003.6/39

All: 196.520+/-0.021 χ^2/NDF: 4845284.1/75



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: 138792.642+/-0.078 χ^2/NDF:1495702416.2/19

Left: 138798.770+/-0.055 χ^2/NDF: 3494577031.8/4

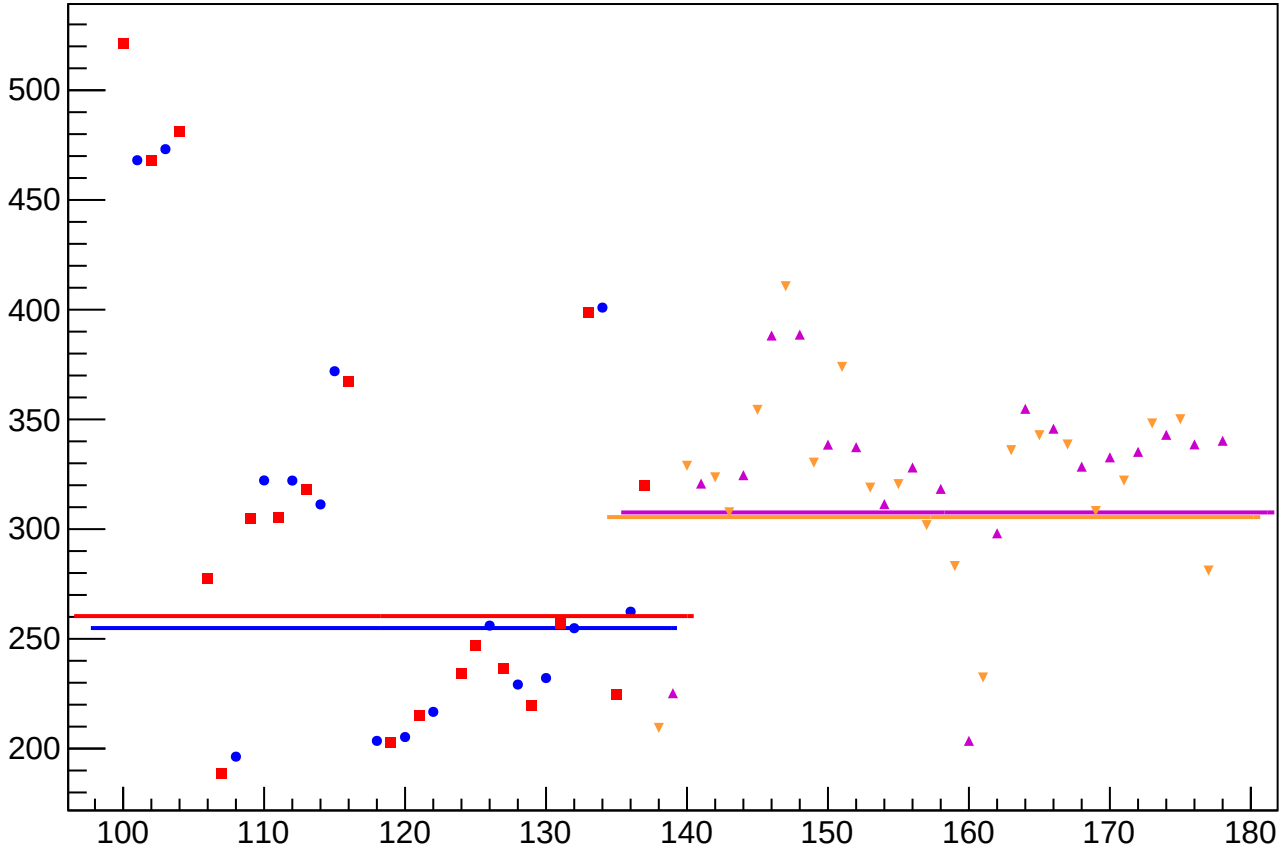
Right: 141444.713+/-0.071 χ^2/NDF: 1876176691.0/

In: 139825.866+/-0.062 χ^2/NDF:2906603236.6/35

Out: 139736.250+/-0.061 χ^2/NDF:3327543295.5/3

All: 139780.558+/-0.043 χ^2/NDF: 62352086

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: 307.607+/-0.055 χ^2/NDF:937387.6/19

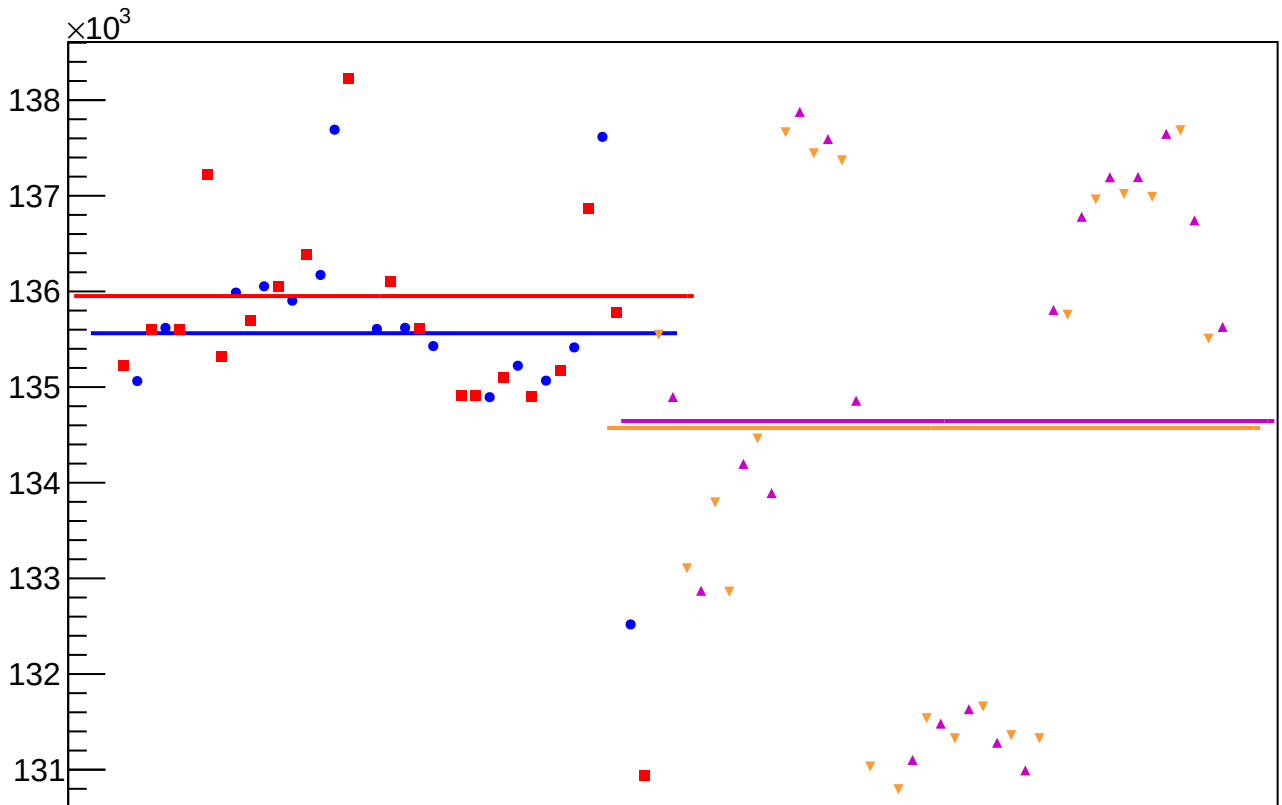
Left: 306.525+/-0.039 χ^2/NDF: 1753177.8/40

Right: 257.637+/-0.050 χ^2/NDF: 1946167.7/34

In: 287.788+/-0.044 χ^2/NDF:2228152.3/35

Out: 288.969+/-0.043 χ^2/NDF:2061042.7/39

All: 288.385+/-0.031 χ^2/NDF: 4289563.5/75



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: 134645.243+/-0.069 χ^2/NDF:1090382389.0/19

Left: 134607.394+/-0.048 χ^2/NDF: 2284041267.3/4

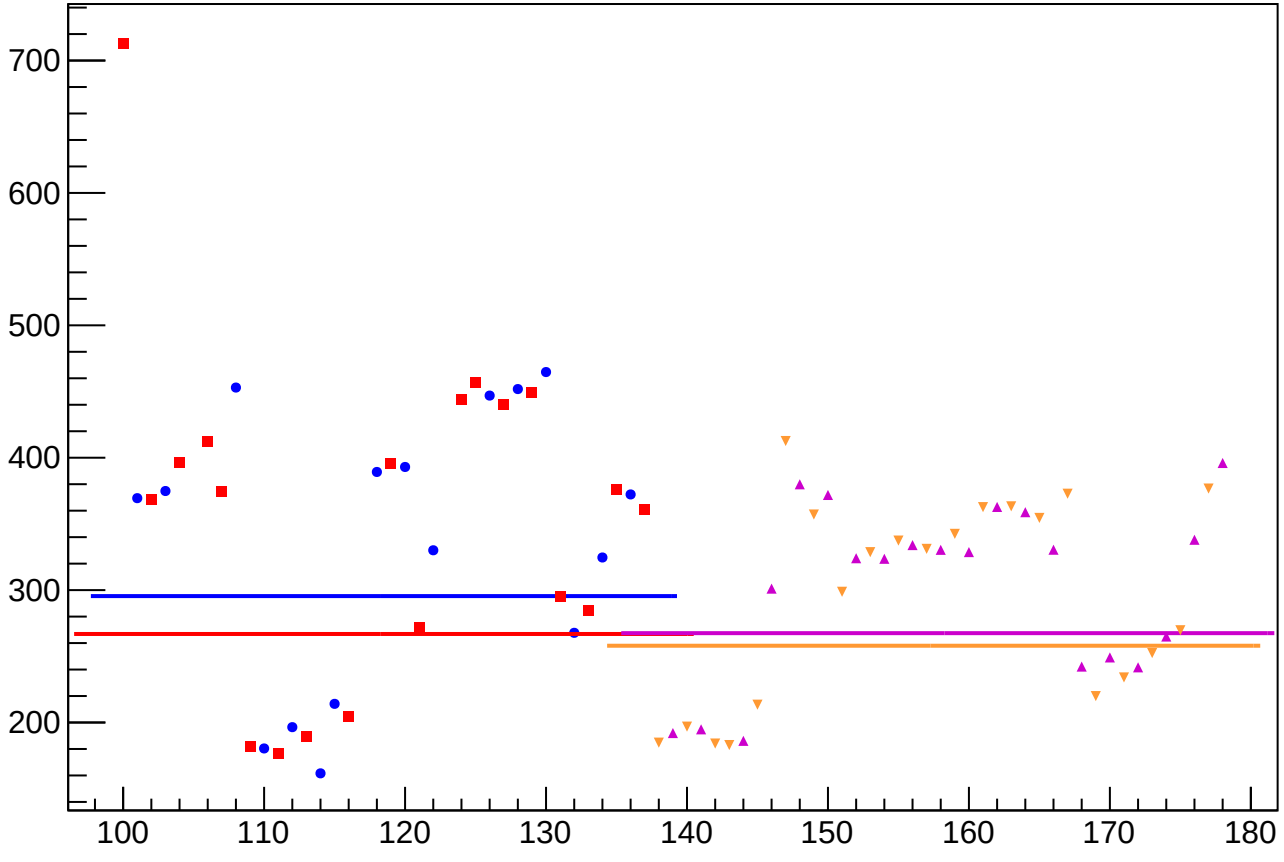
Right: 135777.958+/-0.079 χ^2/NDF: 191705440.0/3

In: 134878.026+/-0.060 χ^2/NDF:1229437092.8/35

Out: 134958.352+/-0.056 χ^2/NDF:1405738875.8/3

All: 134920.506+/-0.041 χ^2/NDF: 263613640

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: 267.487+/-0.049 χ^2/NDF:1919734.9/19

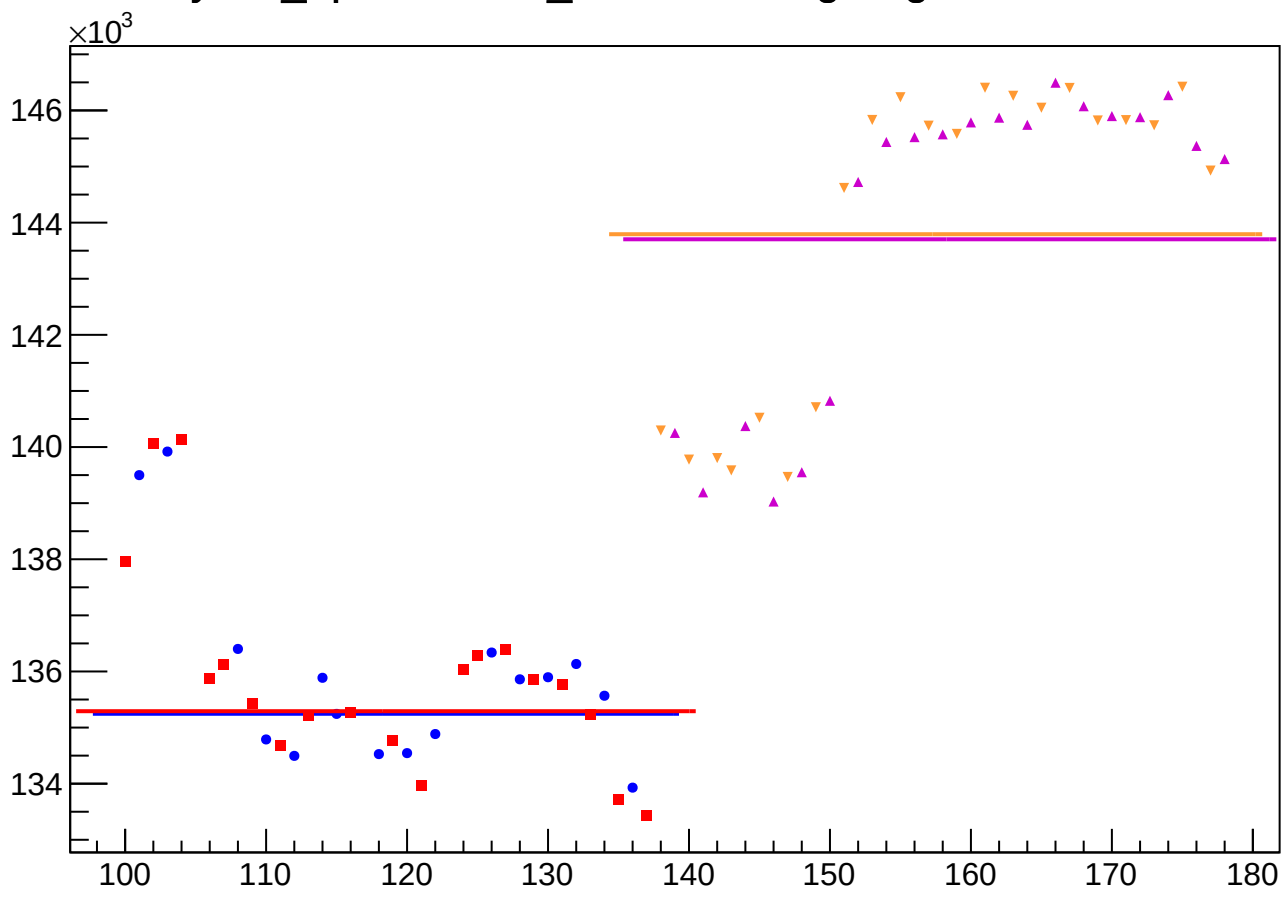
Left: 262.549+/-0.034 χ^2/NDF: 4271585.4/40

Right: 279.649+/-0.056 χ^2/NDF: 3185297.4/34

In: 274.587+/-0.042 χ^2/NDF:3445781.7/35

Out: 260.472+/-0.040 χ^2/NDF:4020246.6/39

All: 267.123+/-0.029 χ^2/NDF: 7525338.3/75



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: 143703.118+/-0.052 χ^2/NDF:2767489368.5/19

Left: 143750.254+/-0.036 χ^2/NDF: 5876156721.3/4

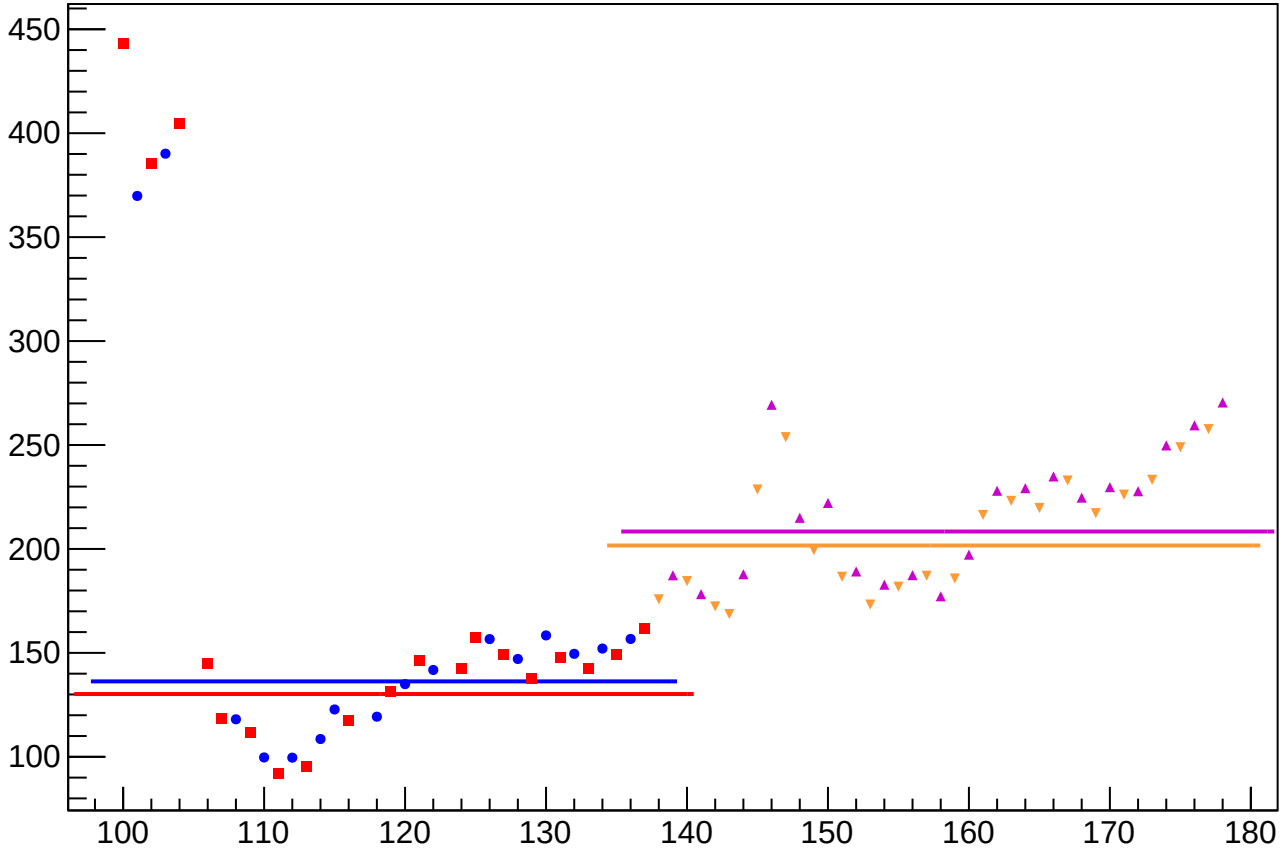
Right: 135270.332+/-0.038 χ^2/NDF: 770541555.9/3

In: 139650.438+/-0.038 χ^2/NDF:15593909180.6/3

Out: 139661.085+/-0.036 χ^2/NDF:17359437175.9

All: 139656.021+/-0.026 χ^2/NDF: 32953877

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: 208.381+/-0.037 χ^2/NDF:569256.6/19

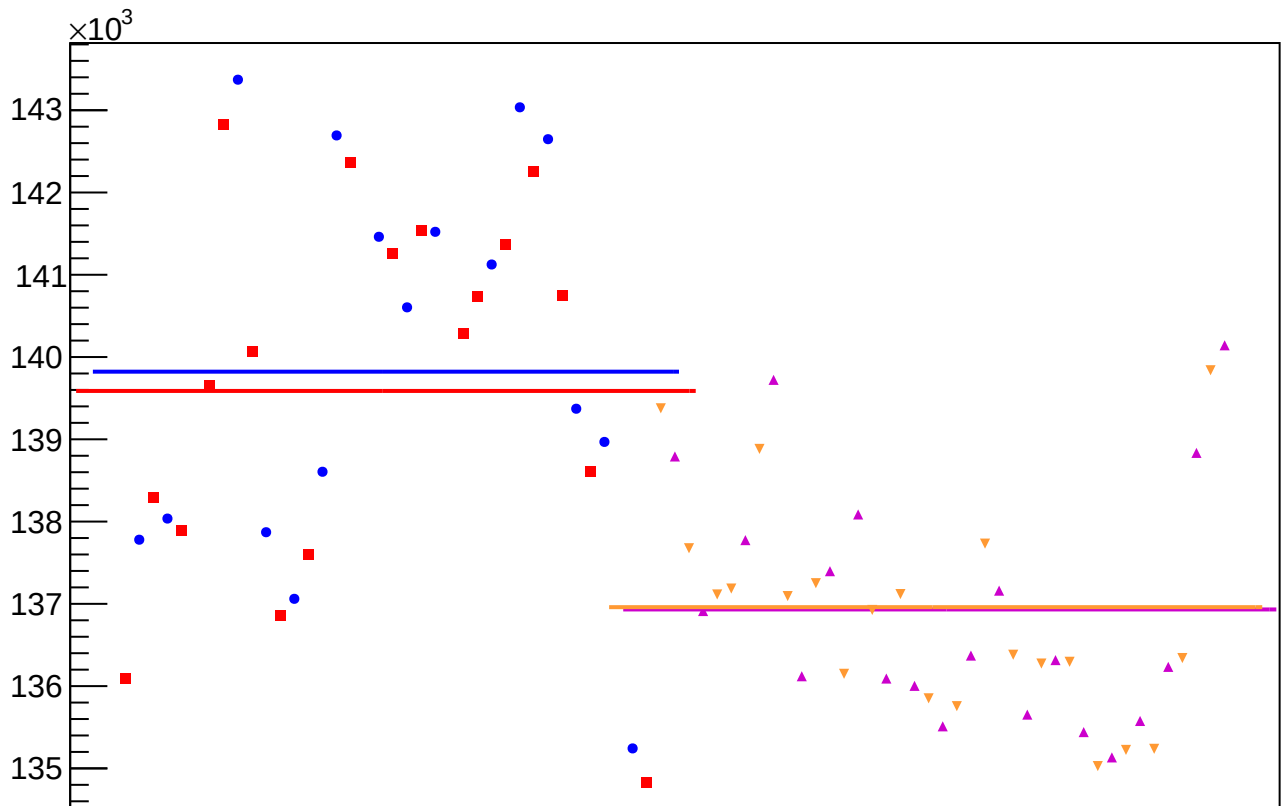
Left: 204.883+/-0.026 χ^2/NDF: 1154286.7/40

Right: 133.076+/-0.027 χ^2/NDF: 2917928.2/34

In: 173.831+/-0.027 χ^2/NDF:3761254.0/35

Out: 166.932+/-0.026 χ^2/NDF:4048851.6/39

All: 170.214+/-0.018 χ^2/NDF: 7844891.1/75



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 136959.560+/-0.051 χ^2/NDF:604882622.6/20

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

Left In: 136931.768+/-0.053 χ^2/NDF:660363597.0/19

Left: 136946.004+/-0.037 χ^2/NDF: 1265388538.3/4

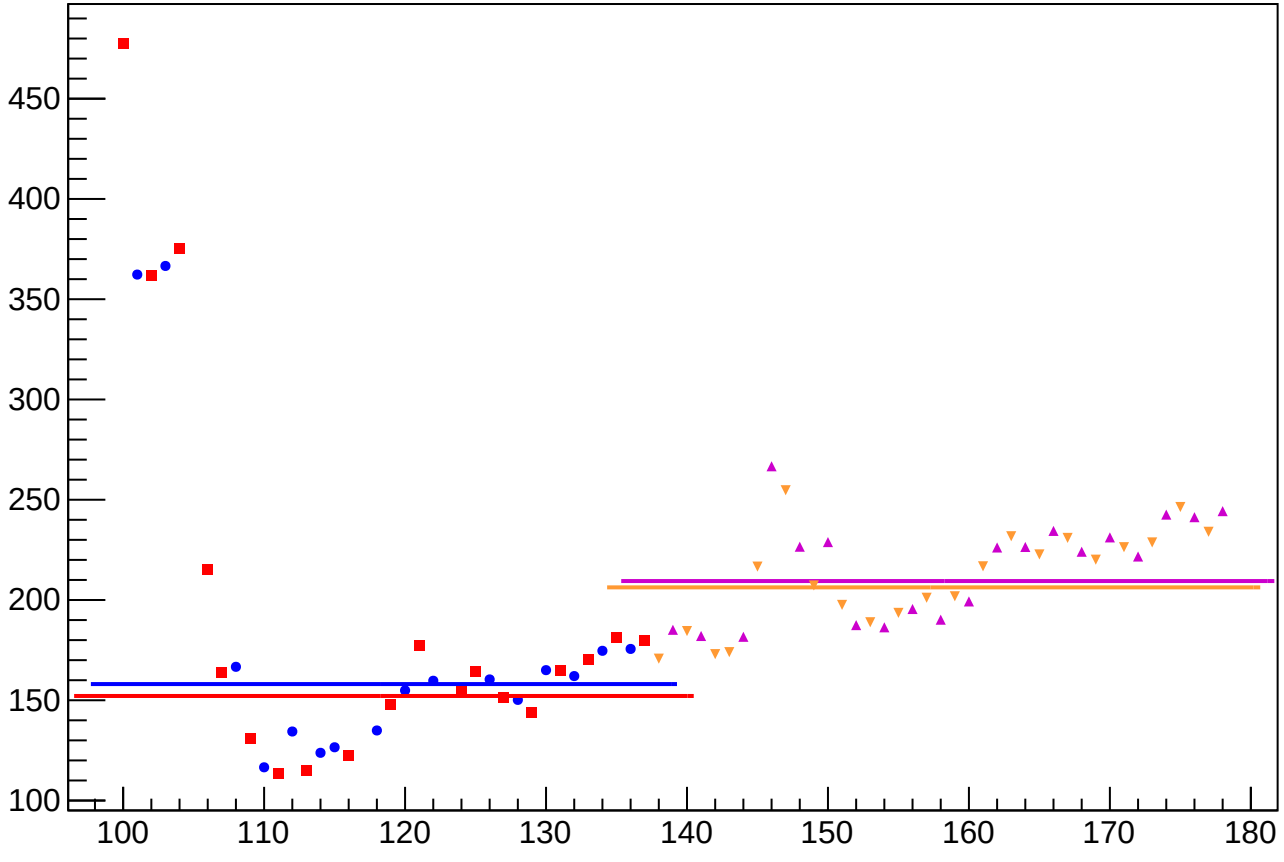
Right: 139699.515+/-0.043 χ^2/NDF: 3153646641.6/

In: 138131.434+/-0.040 χ^2/NDF:3571072260.9/35

Out: 138079.153+/-0.039 χ^2/NDF:3199433631.0/3

All: 138104.408+/-0.028 χ^2/NDF: 67713480

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: 209.453+/-0.037 χ^2/NDF:431255.9/19

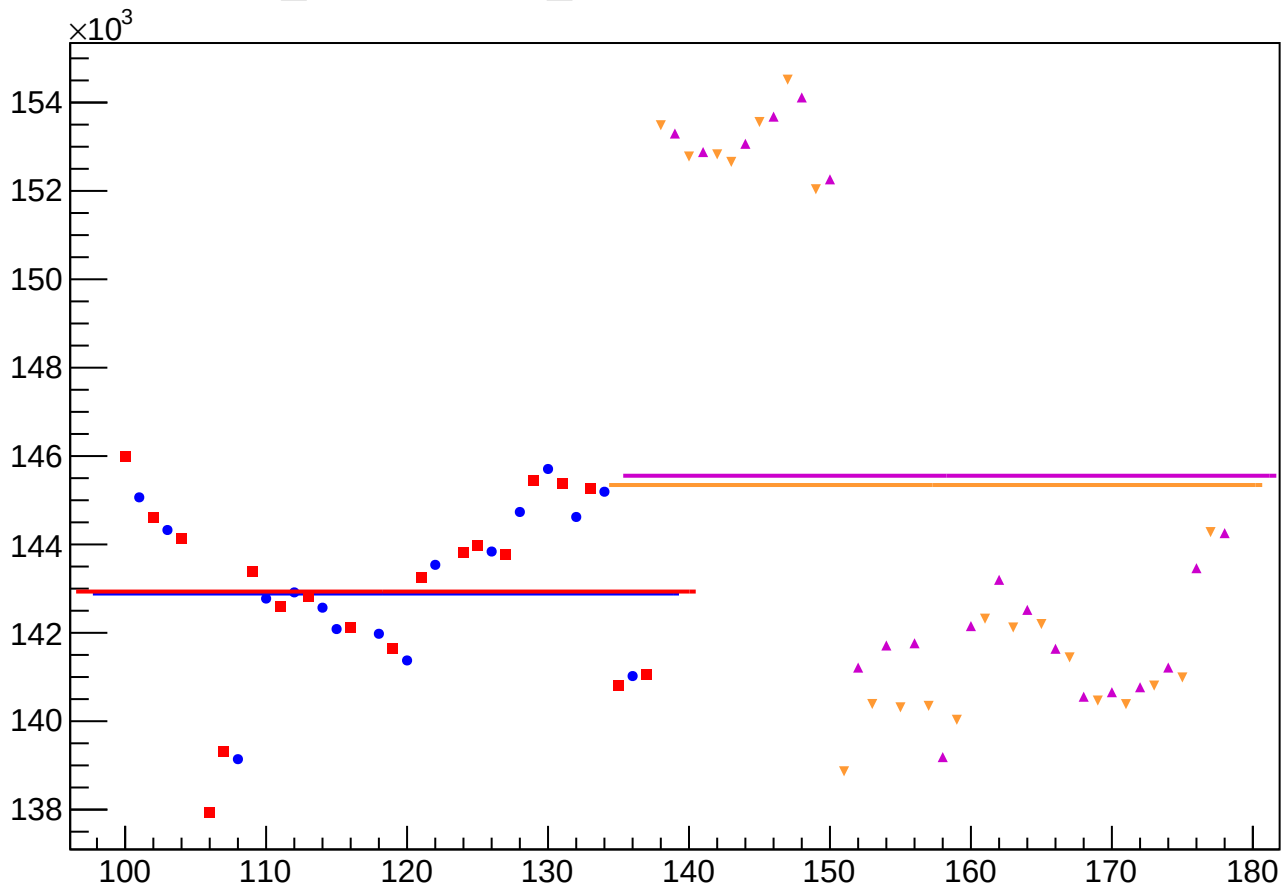
Left: 207.837+/-0.026 χ^2/NDF: 845302.5/40

Right: 154.970+/-0.031 χ^2/NDF: 2256411.8/34

In: 188.130+/-0.029 χ^2/NDF:2237295.4/35

Out: 183.228+/-0.028 χ^2/NDF:2583467.6/39

All: 185.596+/-0.020 χ^2/NDF: 4836038.7/75



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: 145554.797+/-0.053 χ^2/NDF:11022399321.6/19

Left: 145447.071+/-0.037 χ^2/NDF: 24017847004.2

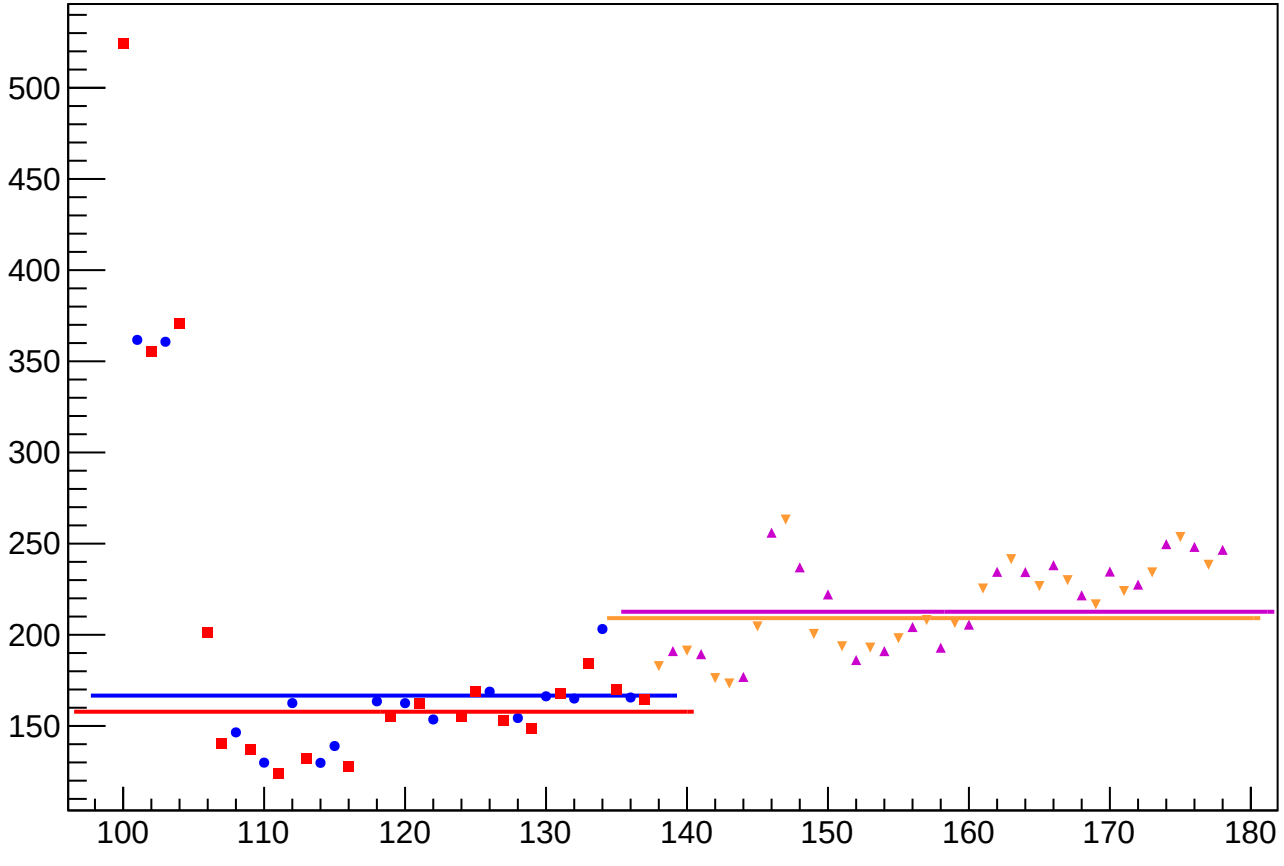
Right: 142913.088+/-0.045 χ^2/NDF: 1550935114.7/

In: 144492.064+/-0.041 χ^2/NDF:12775807746.6/3

Out: 144337.742+/-0.040 χ^2/NDF:14668706322.3

All: 144411.667+/-0.029 χ^2/NDF: 27451726

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: 212.644+/-0.038 χ^2/NDF:423147.6/19

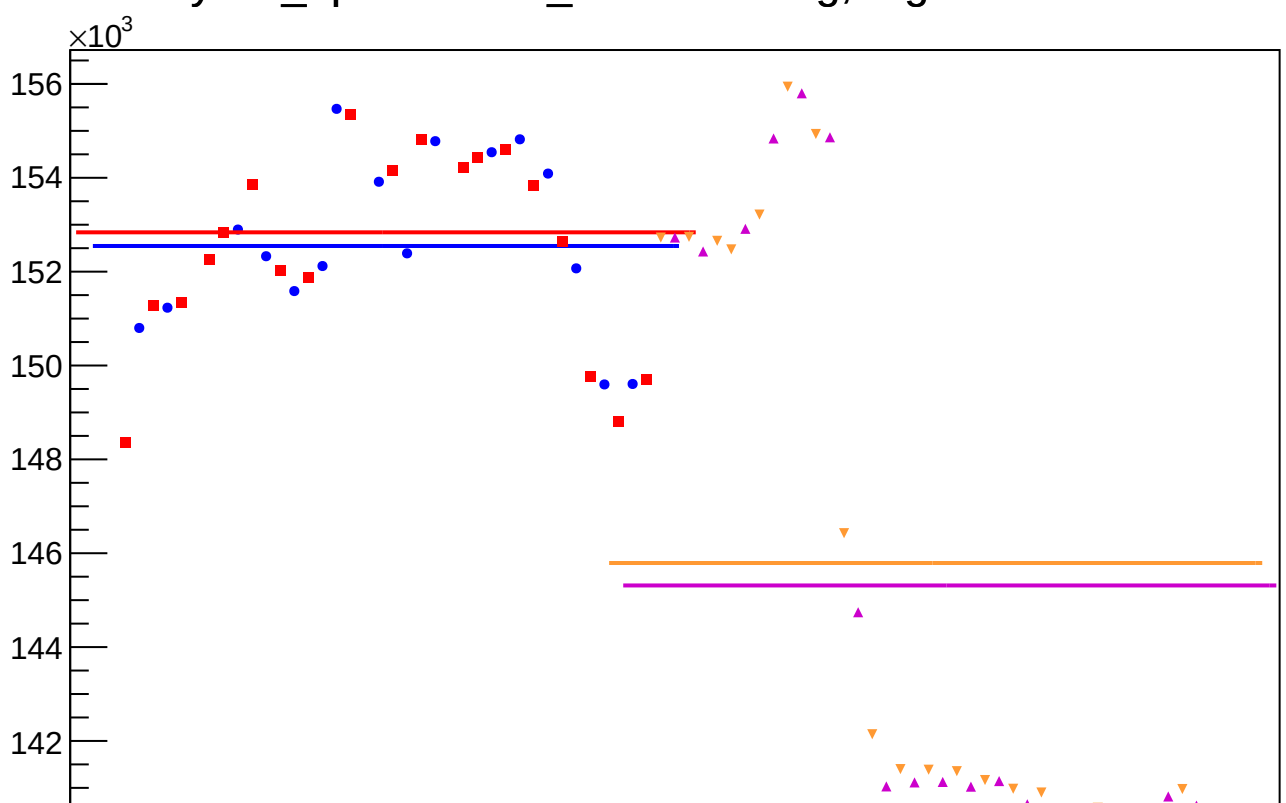
Left: 210.844+/-0.026 χ^2/NDF: 829599.8/40

Right: 161.945+/-0.032 χ^2/NDF: 1905231.4/34

In: 194.308+/-0.029 χ^2/NDF:1876184.4/35

Out: 187.696+/-0.028 χ^2/NDF:2234574.5/39

All: 190.863+/-0.020 χ^2/NDF: 4137235.5/75



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: 145313.275+/-0.053 χ^2/NDF:12553646841.3/19

Left: 145557.859+/-0.037 χ^2/NDF: 25253078773.2

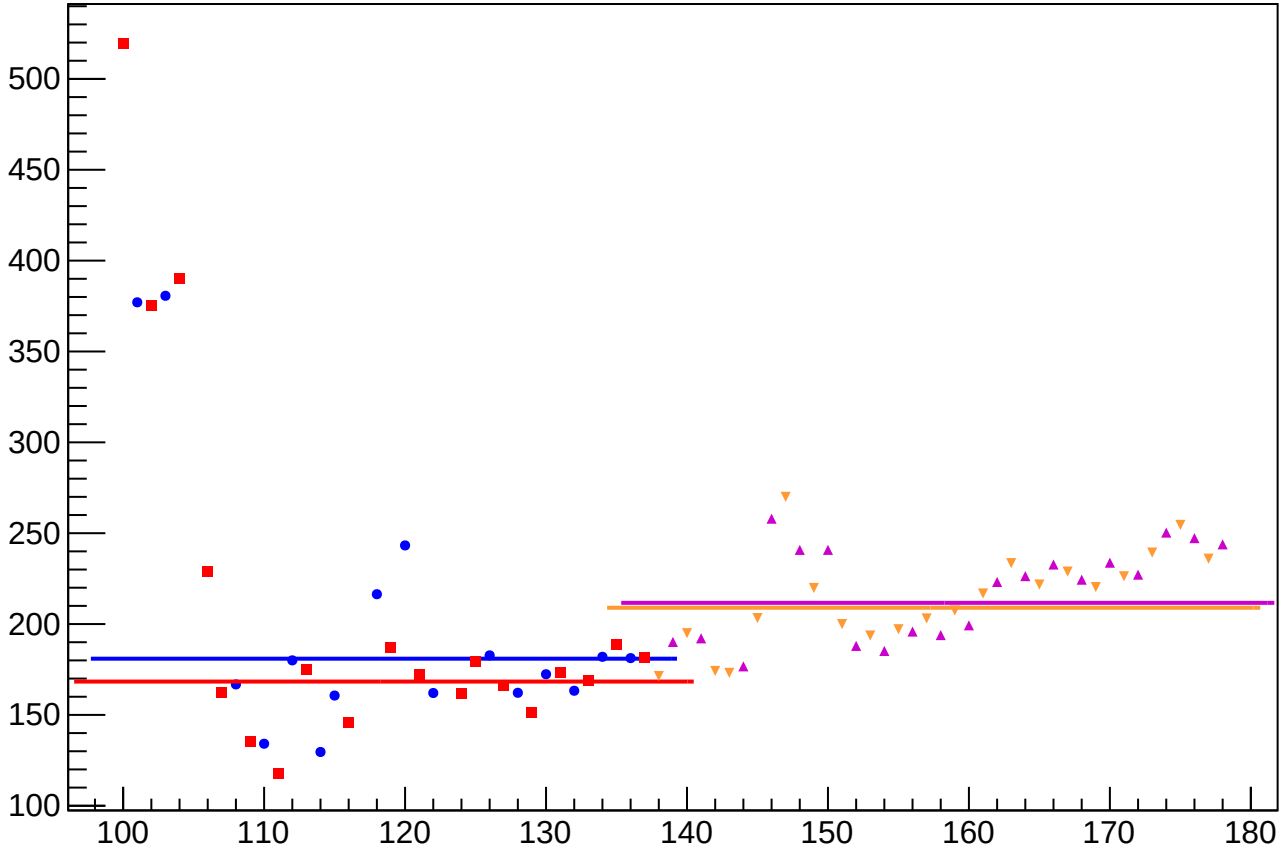
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 147835.809+/-0.043 χ^2/NDF:19670996785.0/3

Out: 148454.377+/-0.041 χ^2/NDF:20345889550.3/

All: 148159.127+/-0.030 χ^2/NDF: 40125649

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: 211.674+/-0.038 χ^2/NDF:449316.1/19

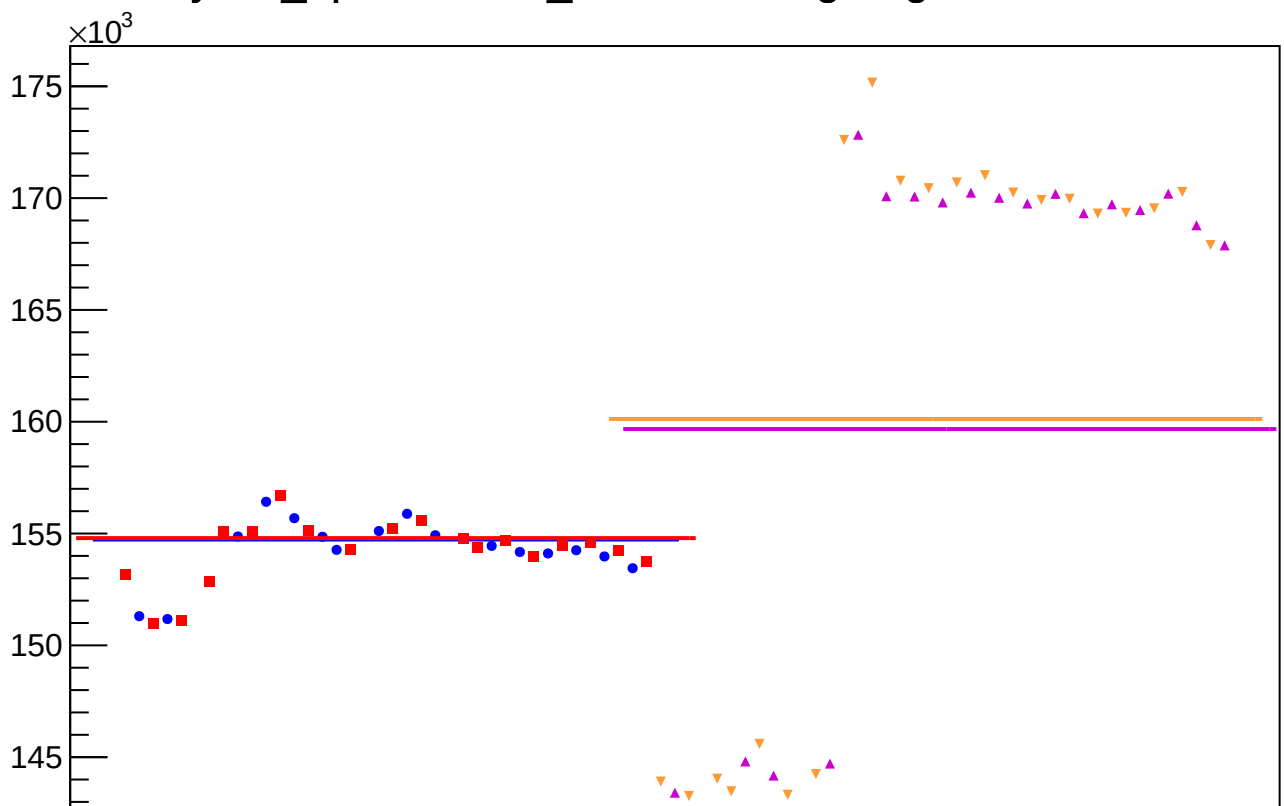
Left: 210.295+/-0.026 χ^2/NDF: 894426.9/40

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 200.956+/-0.030 χ^2/NDF:1590429.6/35

Out: 193.624+/-0.029 χ^2/NDF:1993765.9/39

All: 197.124+/-0.021 χ^2/NDF: 3614750.8/75



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: 159672.515+/-0.051 χ^2/NDF:65178820139.5/19

Left: 159905.354+/-0.035 χ^2/NDF: 137721255662.

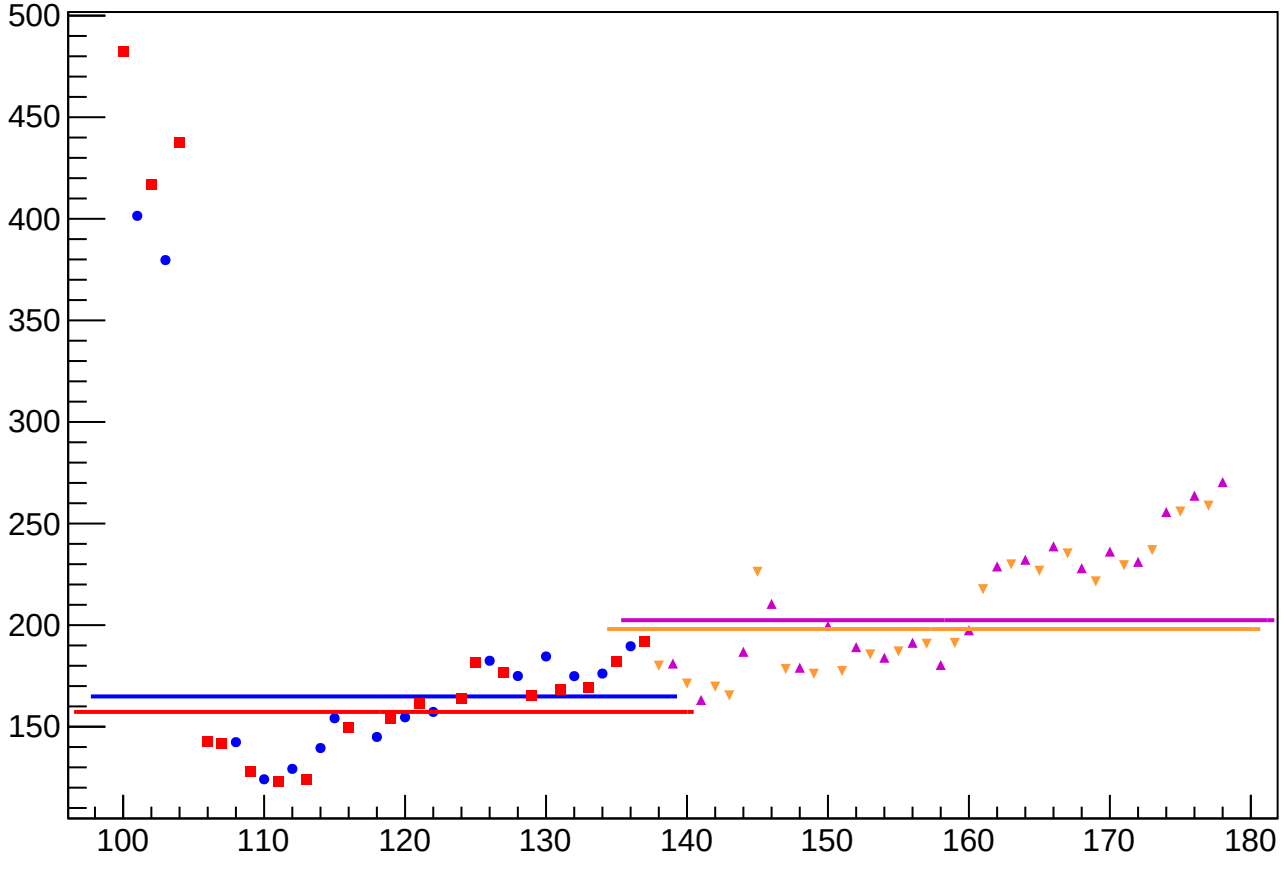
Right: 154766.574+/-0.045 χ^2/NDF: 579080682.1/3

In: 157804.718+/-0.040 χ^2/NDF:69022714395.8/3

Out: 158022.183+/-0.038 χ^2/NDF:77415966104.0

All: 157918.261+/-0.028 χ^2/NDF: 14645404

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: 202.432+/-0.036 χ^2/NDF:619292.5/19

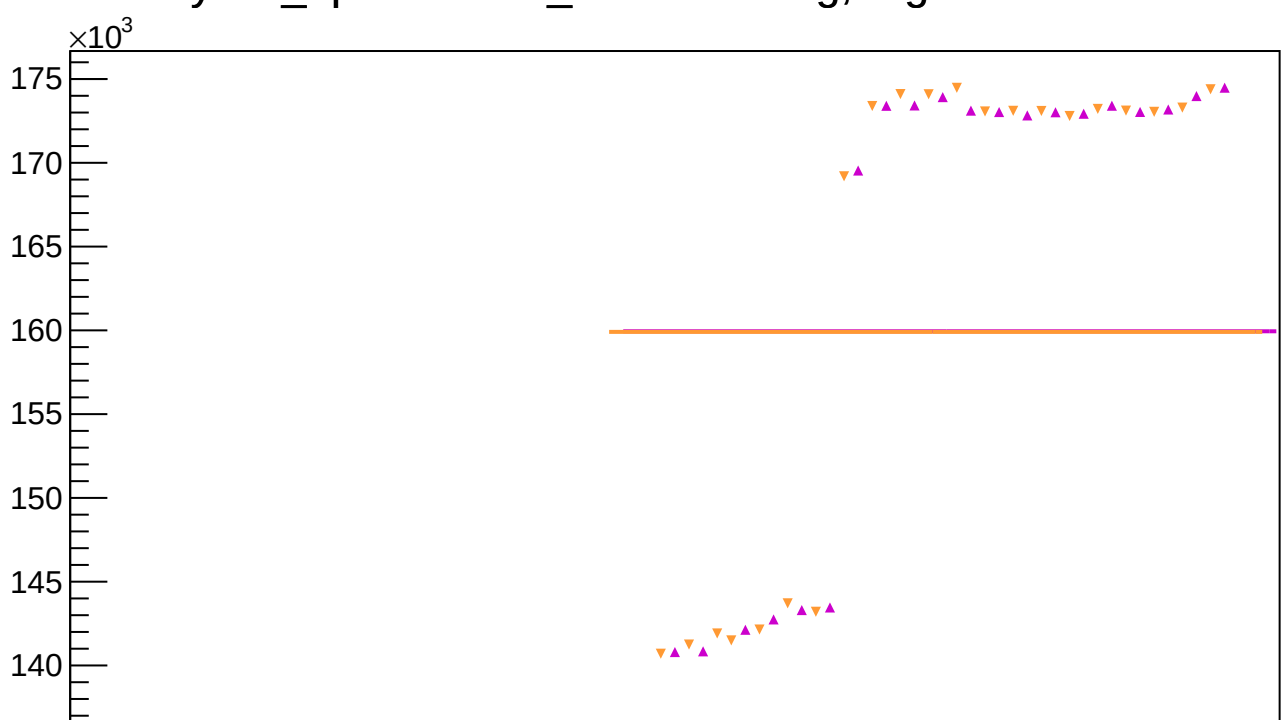
Left: 200.184+/-0.025 χ^2/NDF: 1248308.5/40

Right: 160.846+/-0.032 χ^2/NDF: 2342128.6/34

In: 188.242+/-0.028 χ^2/NDF:2104071.2/35

Out: 181.980+/-0.027 χ^2/NDF:2416563.5/39

All: 184.973+/-0.020 χ^2/NDF: 4546107.9/75



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: 159944.979+/-0.052 χ^2/NDF:86421627595.3/19

Left: 159926.502+/-0.036 χ^2/NDF: 180327749015.

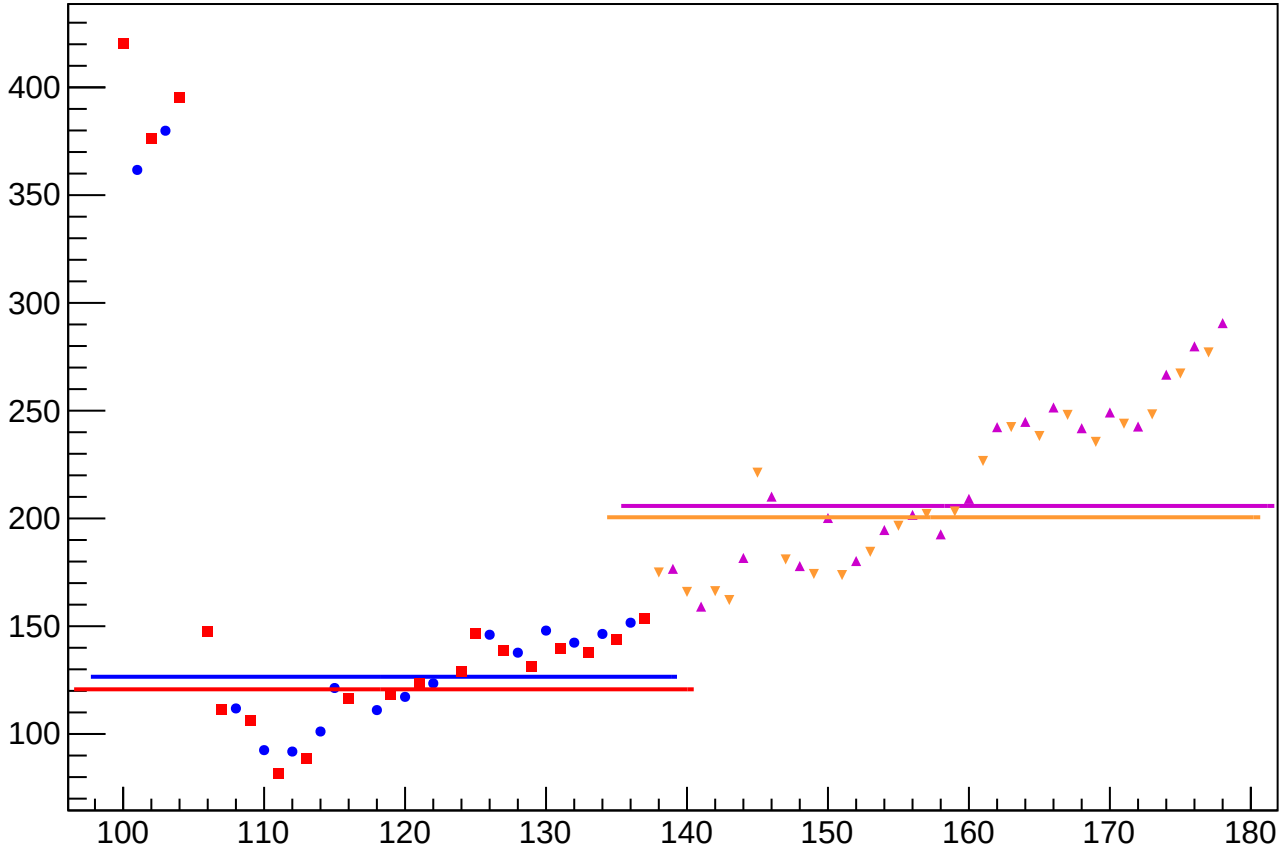
Right: 134233.345+/-0.035 χ^2/NDF: 2349742421.8/

In: 146836.235+/-0.036 χ^2/NDF:212372097596.4

Out: 146487.810+/-0.035 χ^2/NDF:232451024019.

All: 146653.872+/-0.025 χ^2/NDF: 44487128

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: 205.803+/-0.037 χ^2/NDF:865161.3/19

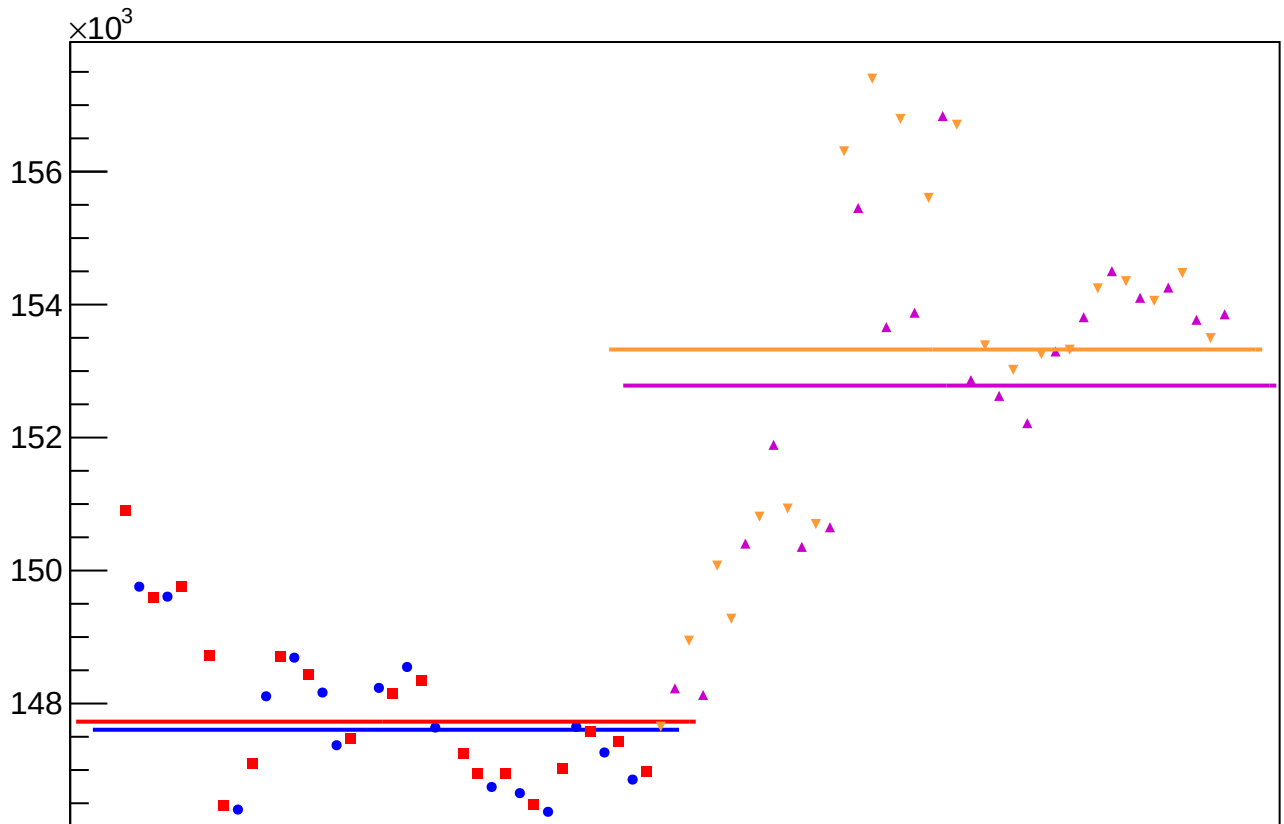
Left: 203.083+/-0.026 χ^2/NDF: 1761004.8/40

Right: 123.469+/-0.025 χ^2/NDF: 3124061.5/34

In: 165.330+/-0.026 χ^2/NDF:4722042.6/35

Out: 158.883+/-0.025 χ^2/NDF:5165001.6/39

All: 161.956+/-0.018 χ^2/NDF: 9920023.0/75



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: 152781.844+/-0.055 χ^2/NDF:1899070116.6/19

Left: 153060.592+/-0.038 χ^2/NDF: 4926399471.0/4

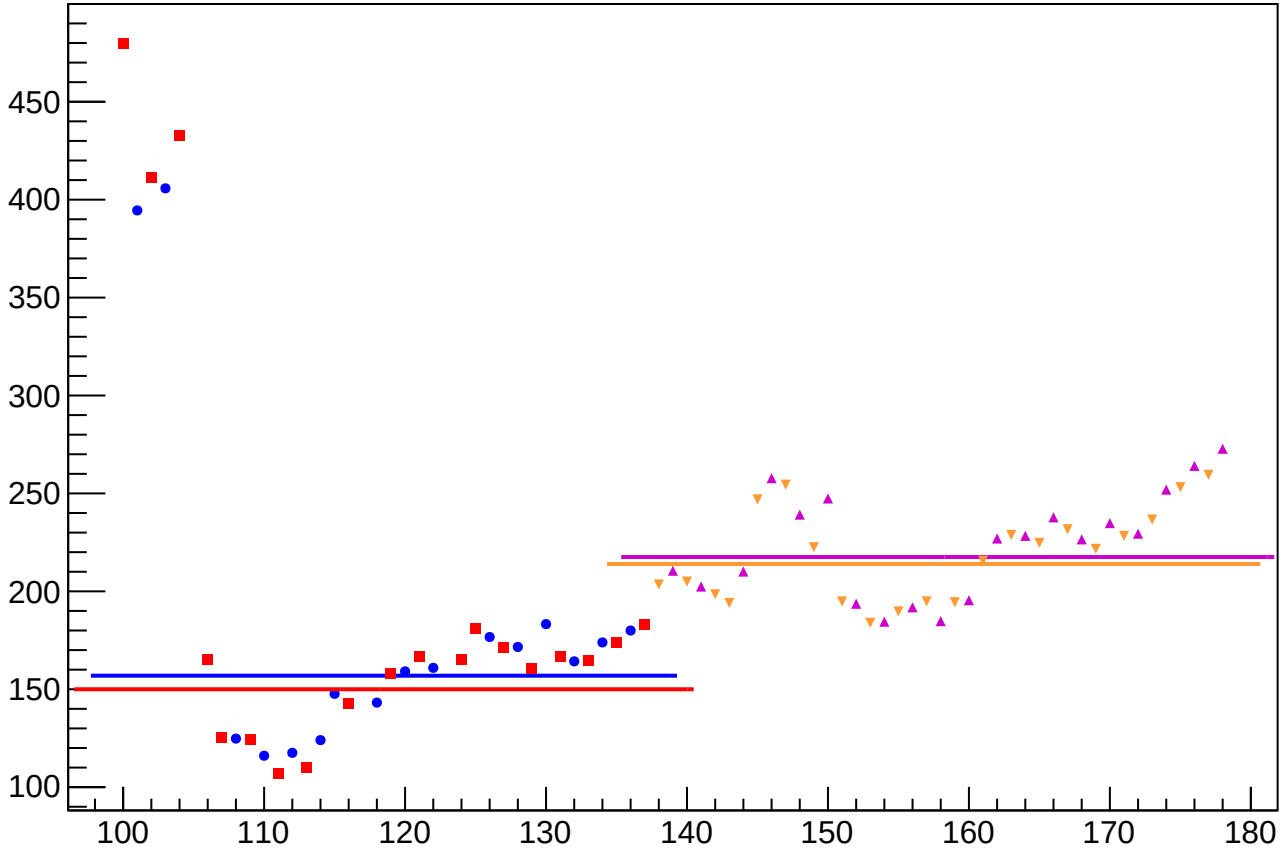
Right: 147670.157+/-0.043 χ^2/NDF: 397331184.2/3

In: 150544.025+/-0.041 χ^2/NDF:5996565233.1/35

Out: 150818.440+/-0.039 χ^2/NDF:8152392356.4/3

All: 150686.828+/-0.028 χ^2/NDF: 14172181

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: 217.517+/-0.039 χ^2/NDF:449032.1/19

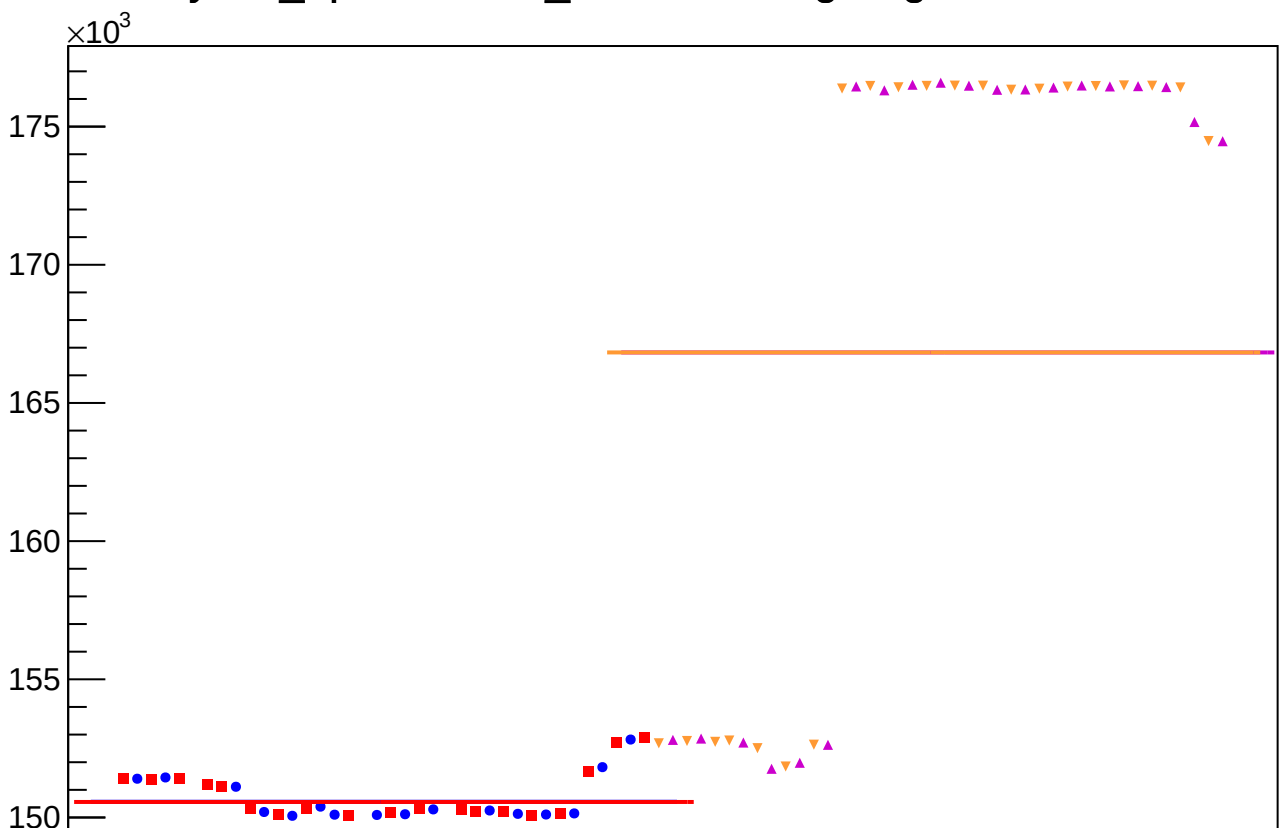
Left: 215.691+/-0.027 χ^2/NDF: 805032.8/40

Right: 153.258+/-0.030 χ^2/NDF: 2732730.8/34

In: 191.323+/-0.029 χ^2/NDF:2782710.7/35

Out: 185.318+/-0.028 χ^2/NDF:3106742.8/39

All: 188.198+/-0.020 χ^2/NDF: 5911695.2/75



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: 166827.644+/-0.050 χ^2/NDF:53895361223.5/19

Left: 166828.019+/-0.035 χ^2/NDF: 111672828572.

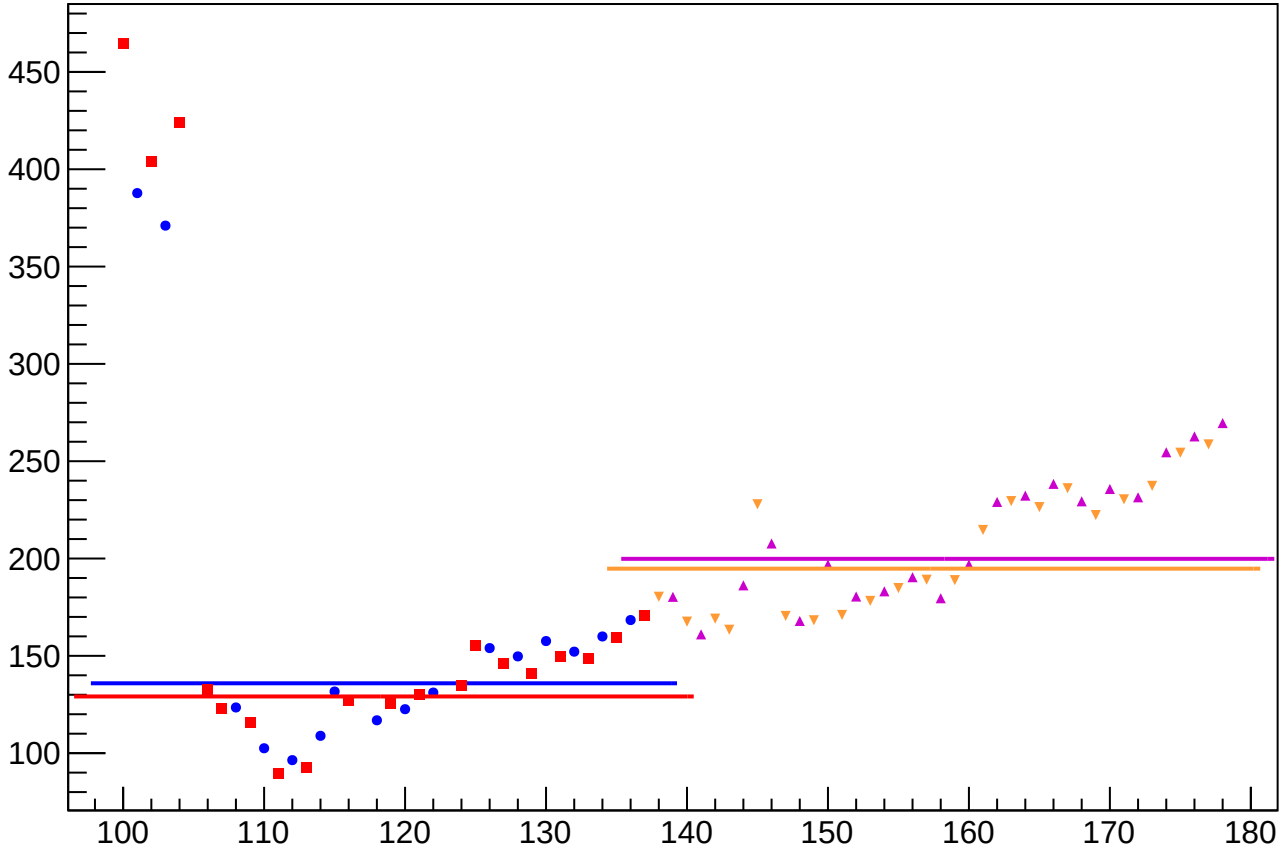
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 159372.118+/-0.037 χ^2/NDF:102127345608.2

Out: 159097.579+/-0.035 χ^2/NDF:111396950658.

All: 159227.872+/-0.025 χ^2/NDF: 21355325

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: 199.839+/-0.036 χ^2/NDF:690653.8/19

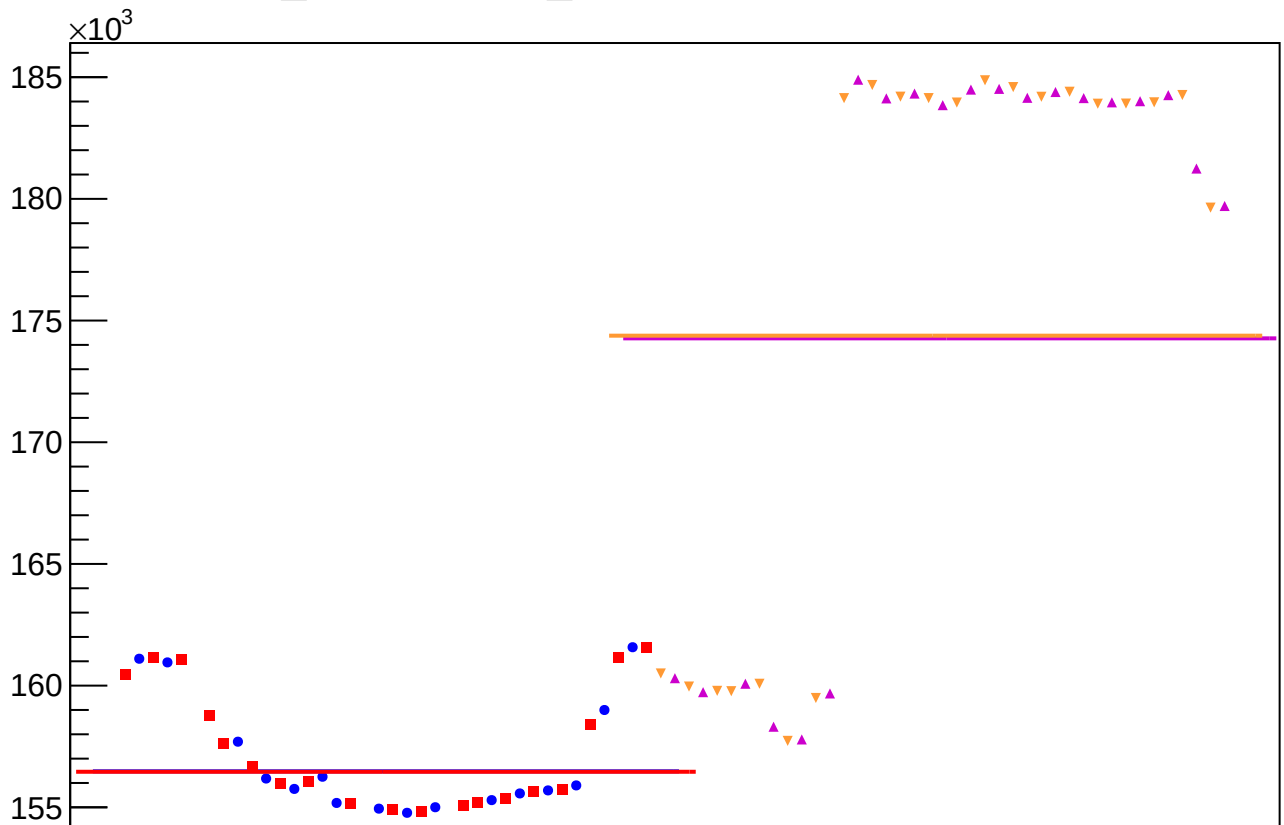
Left: 197.229+/-0.025 χ^2/NDF: 1423770.9/40

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 170.518+/-0.026 χ^2/NDF:3591603.4/35

Out: 163.589+/-0.025 χ^2/NDF:4078167.2/39

All: 166.877+/-0.018 χ^2/NDF: 7706663.1/75



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: 174268.442+/-0.052 χ^2/NDF:54159402221.8/19

Left: 174325.394+/-0.036 χ^2/NDF: 111444857299.

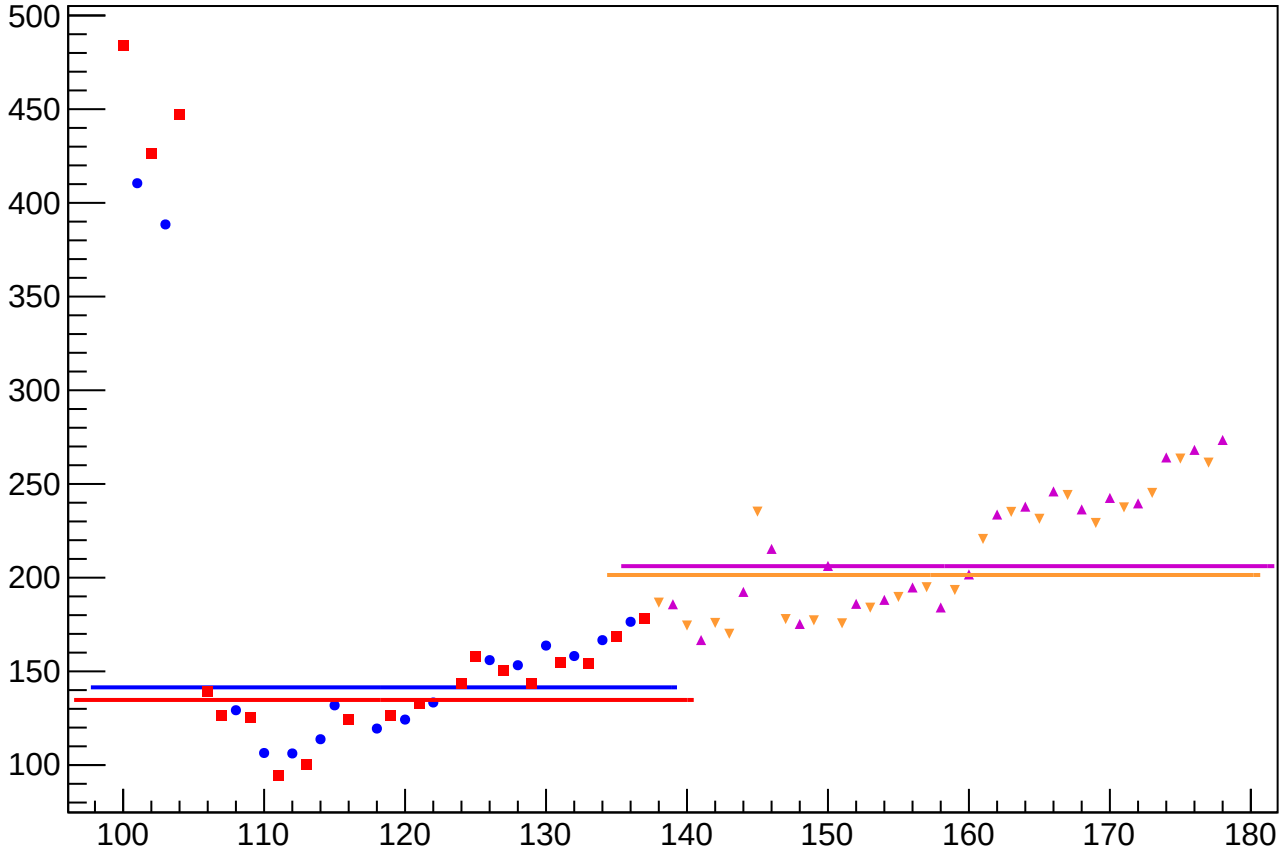
Right: 156468.838+/-0.039 χ^2/NDF: 2390033091.6

In: 166188.418+/-0.038 χ^2/NDF:108965783685.3

Out: 165937.464+/-0.036 χ^2/NDF:118548193070.

All: 166056.819+/-0.026 χ^2/NDF: 22753650

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: 206.150+/-0.037 χ^2/NDF:667393.2/19

Left: 203.711+/-0.025 χ^2/NDF: 1356377.8/40

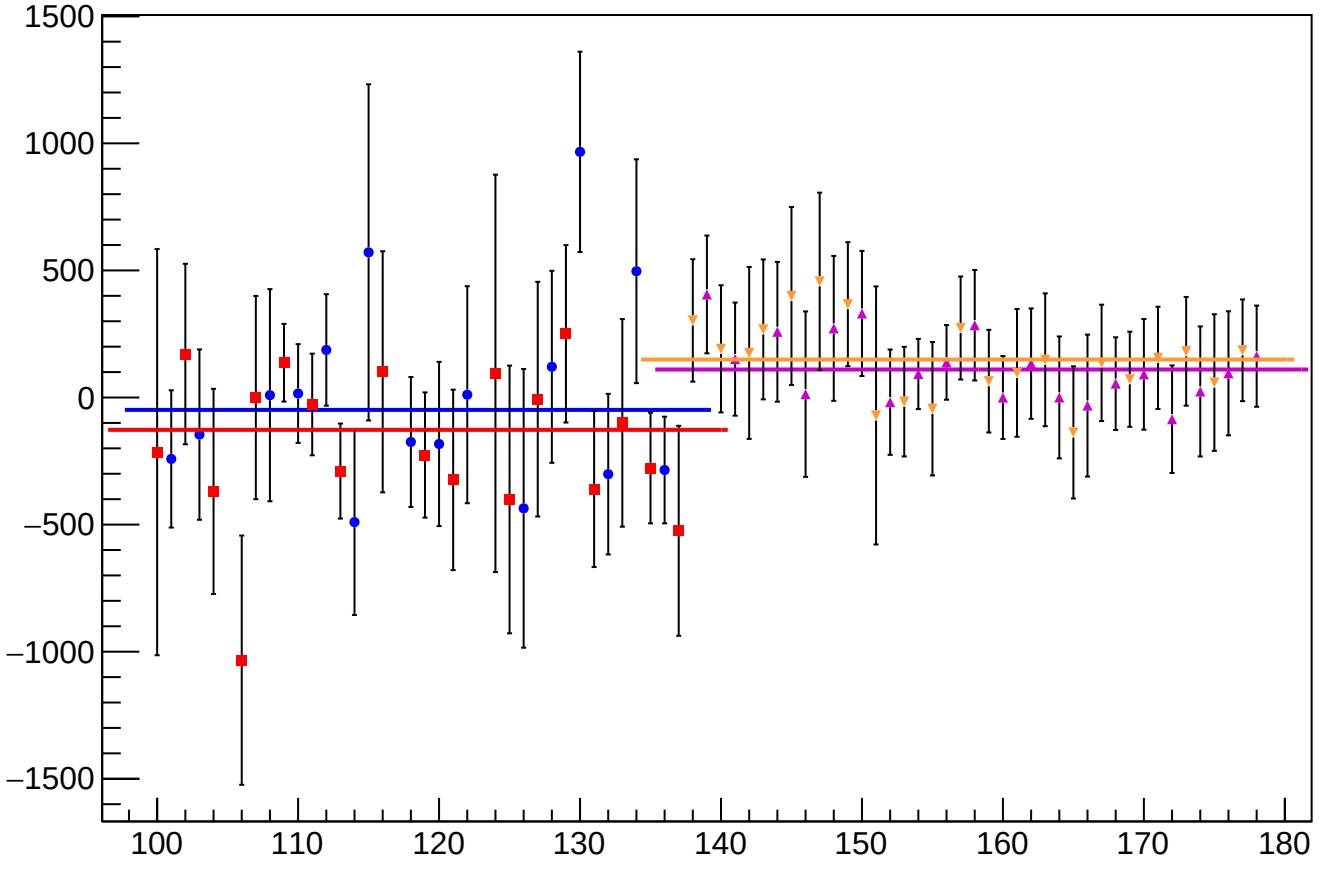
Right: 137.883+/-0.027 χ^2/NDF: 2985912.1/34

In: 176.773+/-0.027 χ^2/NDF:3474146.5/35

Out: 170.014+/-0.026 χ^2/NDF:3925921.0/39

All: 173.229+/-0.019 χ^2/NDF: 7432754.2/75

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: 110.191+/-46.965 χ^2/NDF:6.3/19

Left: 127.441+/-35.163 χ^2/NDF: 12.8/40

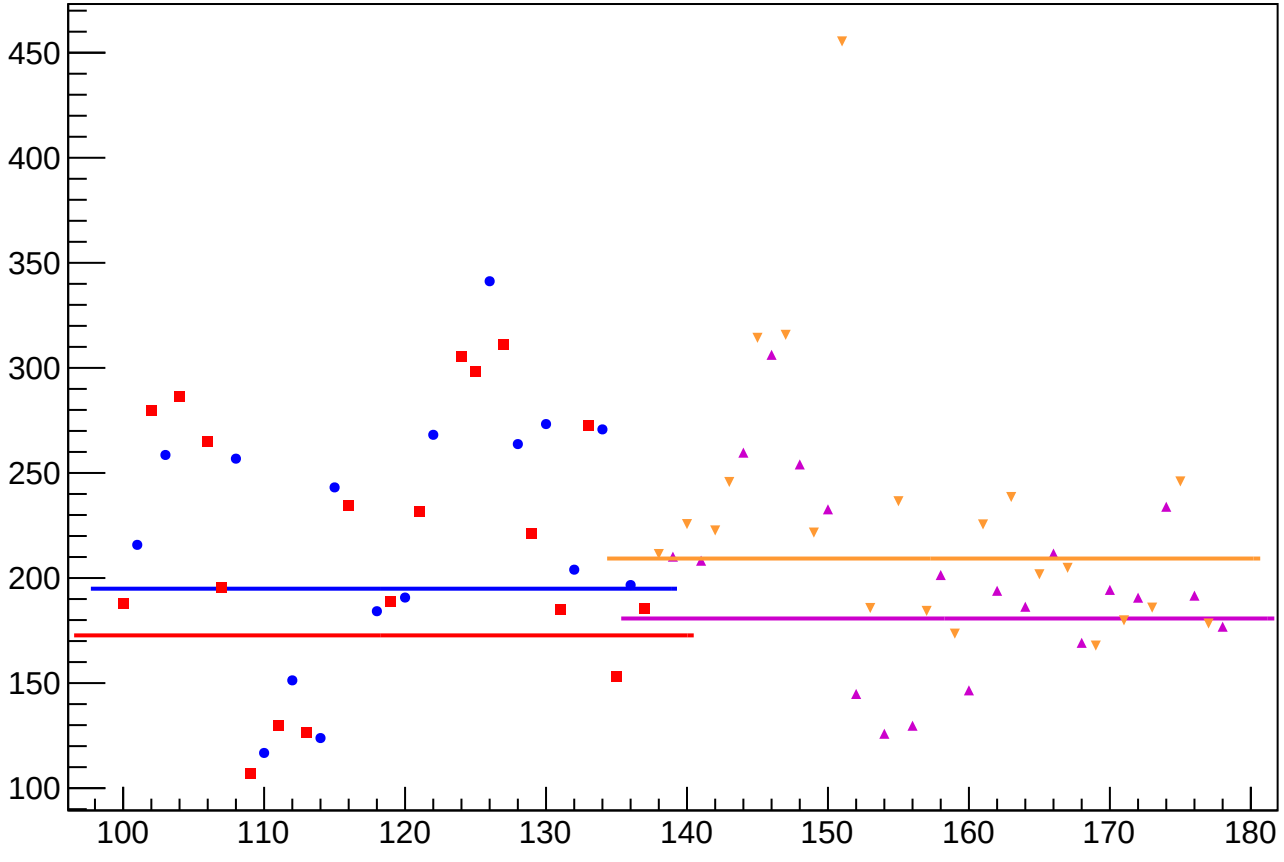
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 66.760+/-40.037 χ^2/NDF:24.9/35

Out: 45.736+/-41.941 χ^2/NDF:29.2/39

All: 56.736+/-28.960 χ^2/NDF: 54.3/75

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: 180.744+/-0.033 χ^2/NDF:1613376.5/19

Left: 193.284+/-0.025 χ^2/NDF: 3249634.6/40

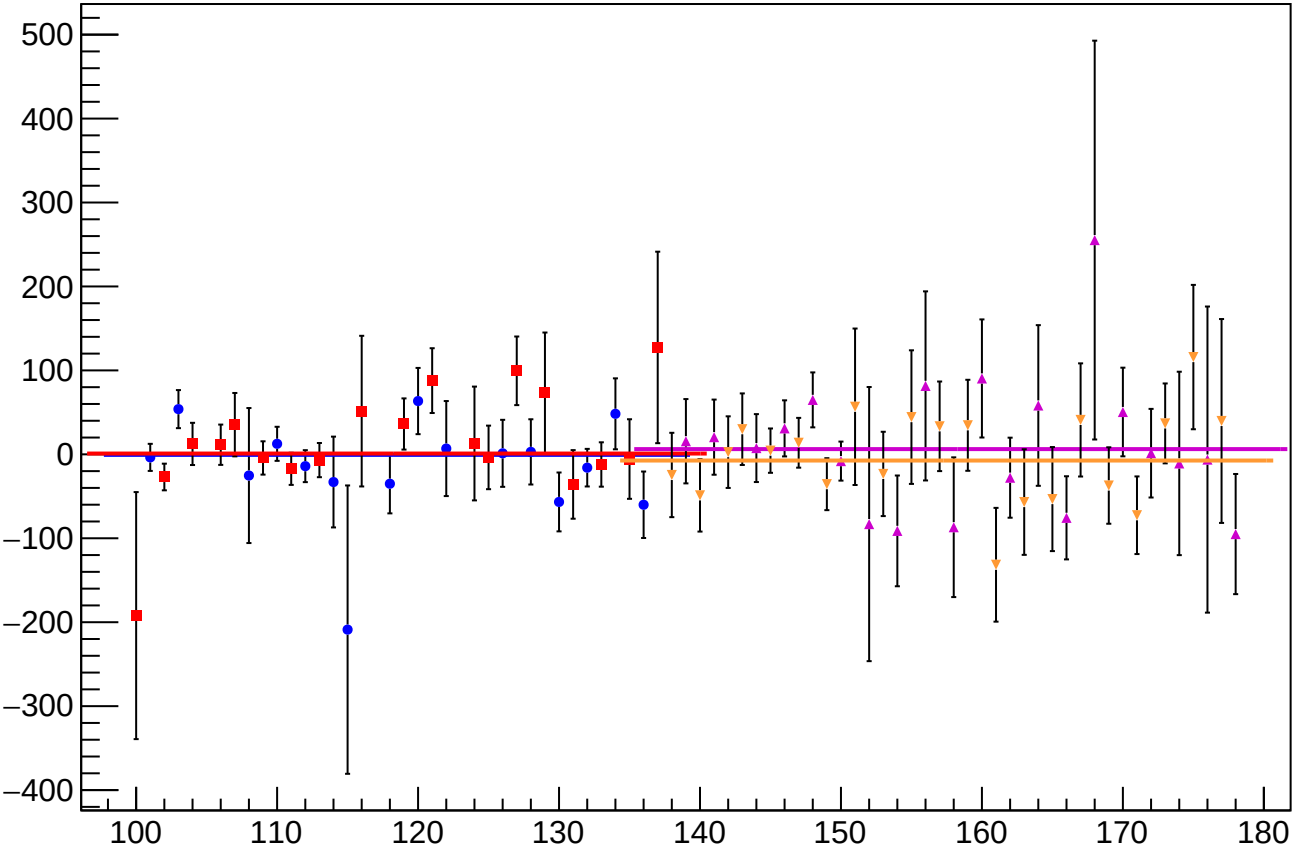
Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 184.618+/-0.028 χ^2/NDF:2692086.6/35

Out: 195.570+/-0.030 χ^2/NDF:3299580.3/39

All: 189.840+/-0.020 χ^2/NDF: 6063016.5/75

asym_bcm_an_diff_mean vs Slug, Sign Corrected



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: 6.235+/-11.266 χ^2/NDF:17.3/19

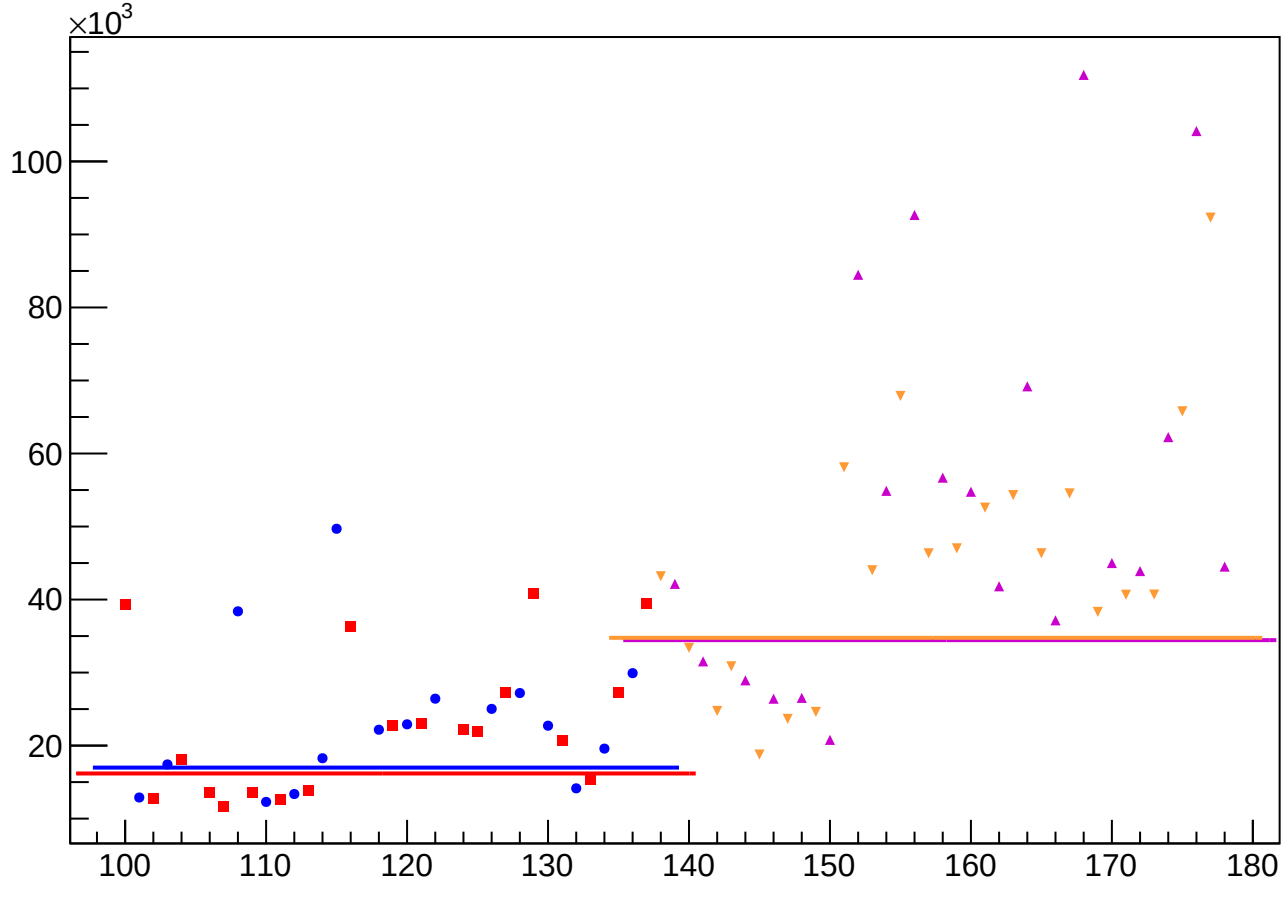
Left: -1.224+/-7.574 χ^2/NDF: 34.2/40

Right: 0.220+/-4.975 χ^2/NDF: 42.0/34

In: 1.420+/-6.150 χ^2/NDF:36.4/35

Out: -1.593+/-5.644 χ^2/NDF:39.6/39

All: -0.215+/-4.158 χ^2/NDF: 76.1/75



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 34760.379+/-7.235 χ^2/NDF:3507493.5/20

Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

Left In: 34440.343+/-7.966 χ^2/NDF:3373155.7/19

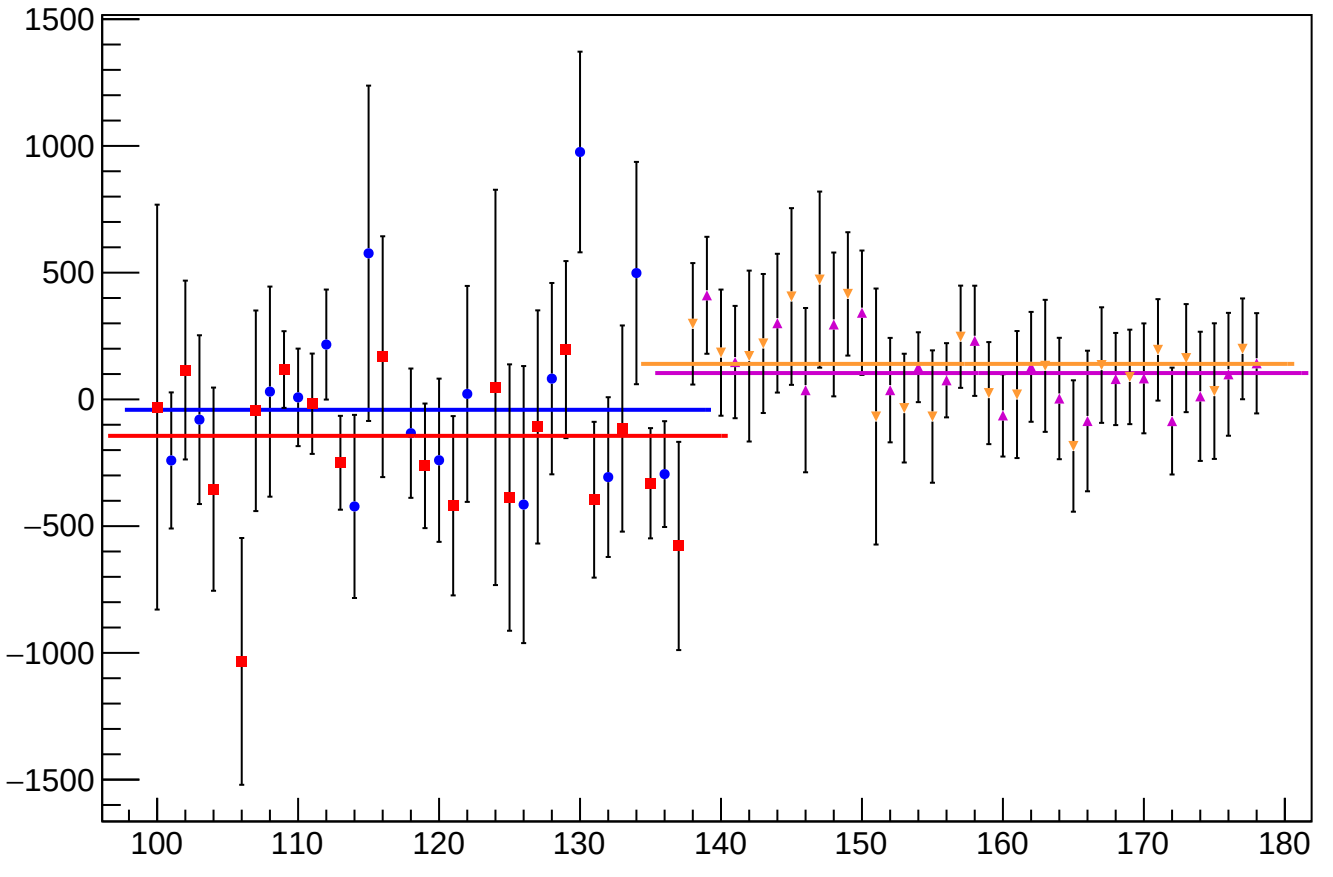
Left: 34615.727+/-5.356 χ^2/NDF: 6881533.6/40

Right: 16551.529+/-3.518 χ^2/NDF: 2458578.1/34

In: 22187.734+/-4.349 χ^2/NDF:7937118.3/35

Out: 21835.720+/-3.991 χ^2/NDF:9346573.6/39

All: 21996.657+/-2.940 χ^2/NDF: 17287248.5



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: 103.936+/-46.788 χ^2/NDF:7.0/19

Left: 119.837+/-35.023 χ^2/NDF: 14.9/40

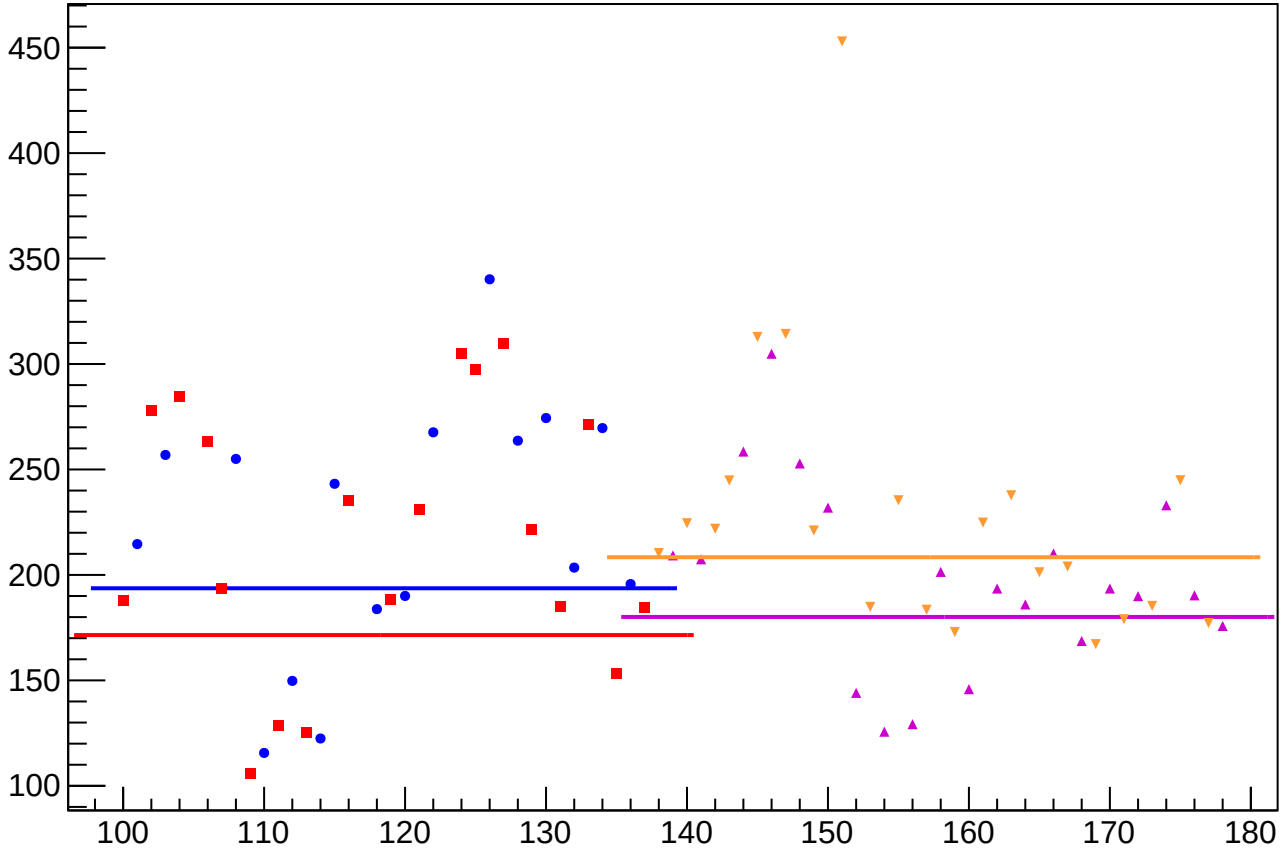
Right: -98.171+/-50.756 χ^2/NDF: 29.5/34

In: 64.207+/-39.866 χ^2/NDF:25.1/35

Out: 33.420+/-41.731 χ^2/NDF:31.5/39

All: 49.517+/-28.826 χ^2/NDF: 56.9/75

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: 180.079+/-0.033 χ^2/NDF:1609658.3/19

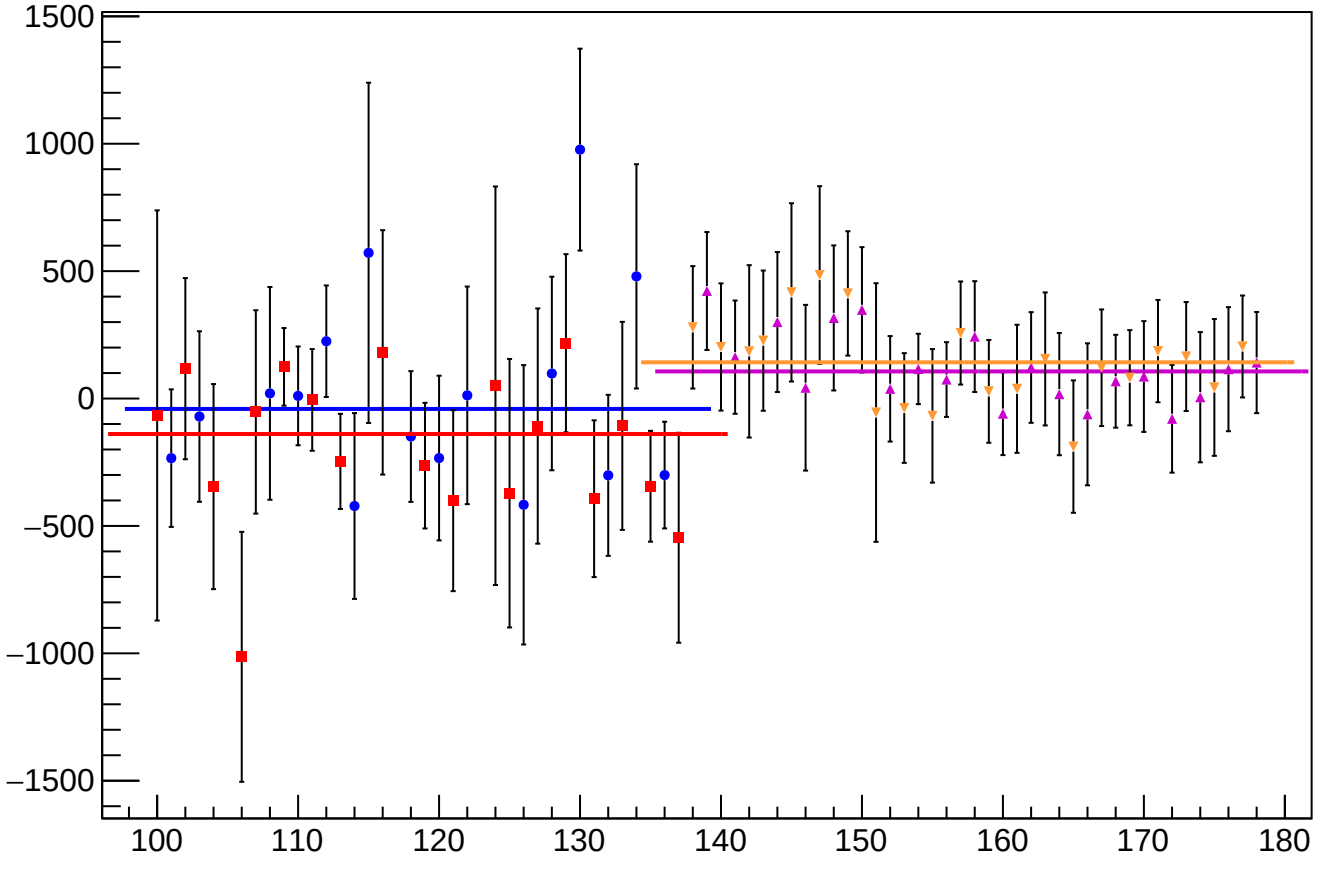
Left: 192.529+/-0.025 χ^2/NDF: 3243615.4/40

Right: 181.339+/-0.036 χ^2/NDF: 2797109.1/34

In: 183.803+/-0.028 χ^2/NDF:2705675.7/35

Out: 194.526+/-0.030 χ^2/NDF:3331873.1/39

All: 188.919+/-0.020 χ^2/NDF: 6106582.2/75



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: 106.399+/-46.919 χ^2/NDF:7.1/19

Left: 122.171+/-35.128 χ^2/NDF: 15.0/40

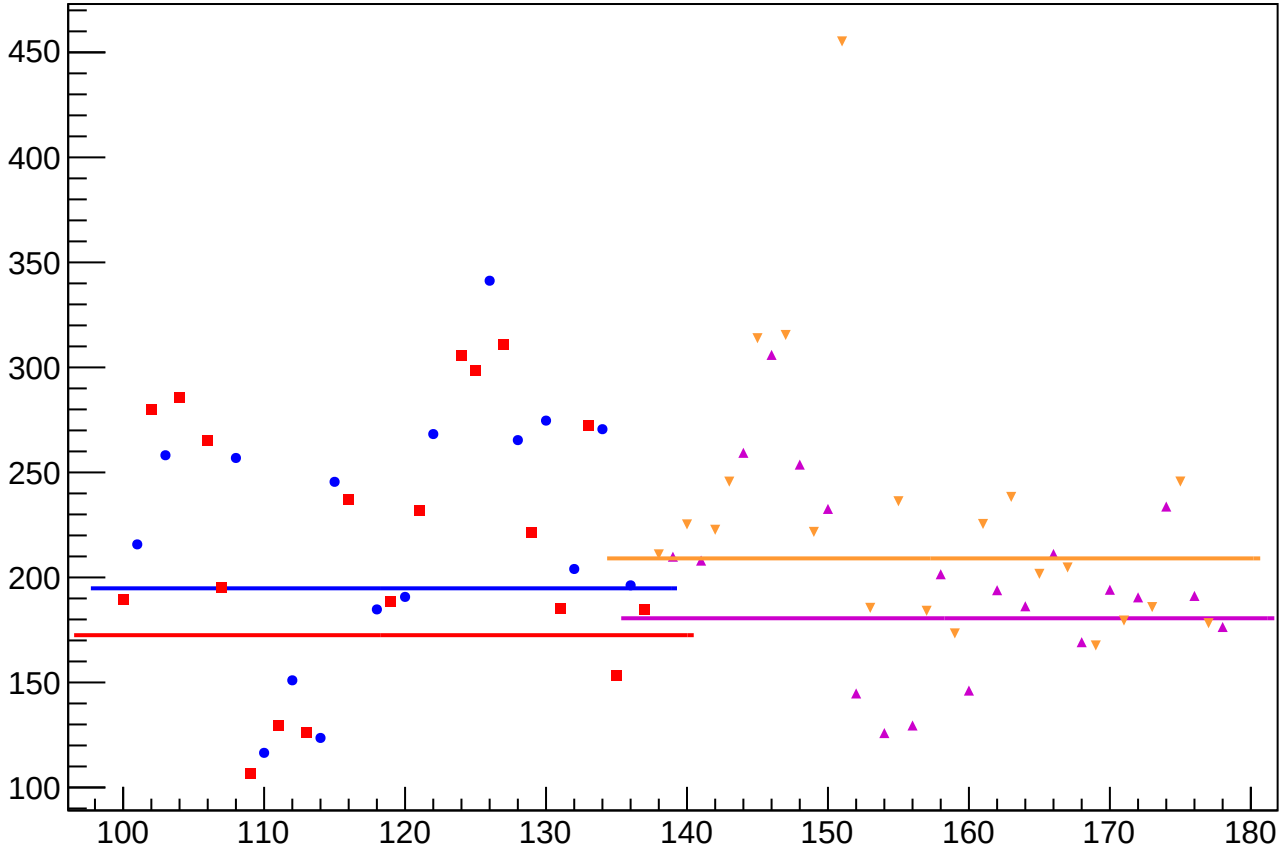
Right: -95.542+/-51.038 χ^2/NDF: 29.2/34

In: 66.225+/-40.007 χ^2/NDF:25.2/35

Out: 36.788+/-41.904 χ^2/NDF:31.1/39

All: 52.188+/-28.937 χ^2/NDF: 56.5/75

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: 180.562+/-0.033 χ^2/NDF:1613616.3/19

Left: 193.089+/-0.025 χ^2/NDF: 3251244.1/40

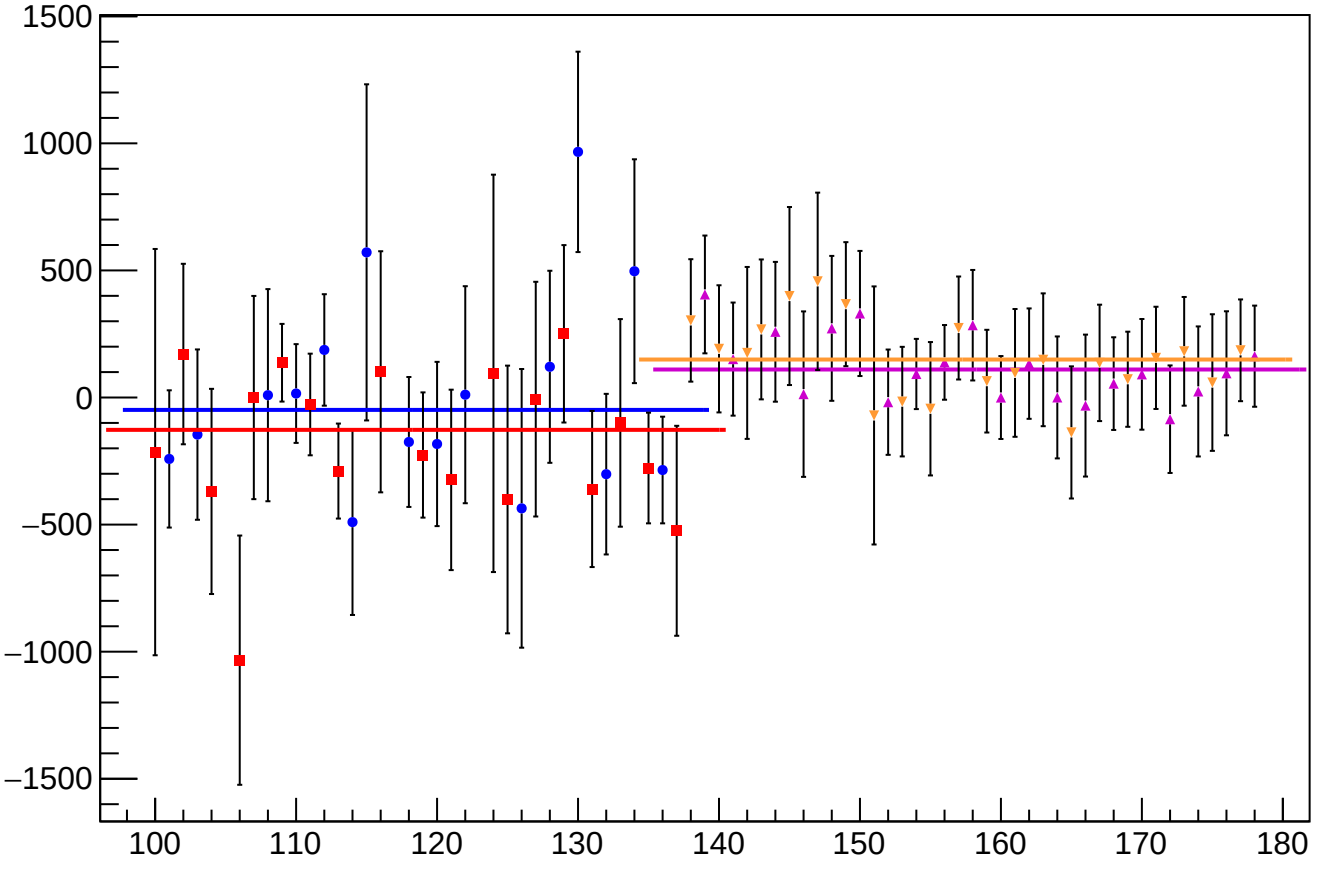
Right: 182.418+/-0.036 χ^2/NDF: 2775527.6/34

In: 184.454+/-0.028 χ^2/NDF:2703114.8/35

Out: 195.369+/-0.030 χ^2/NDF:3311982.2/39

All: 189.659+/-0.020 χ^2/NDF: 6086097.1/75

asym_bcm_an_us_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: 110.191+/-46.965 χ^2/NDF:6.3/19

Left: 127.441+/-35.163 χ^2/NDF: 12.8/40

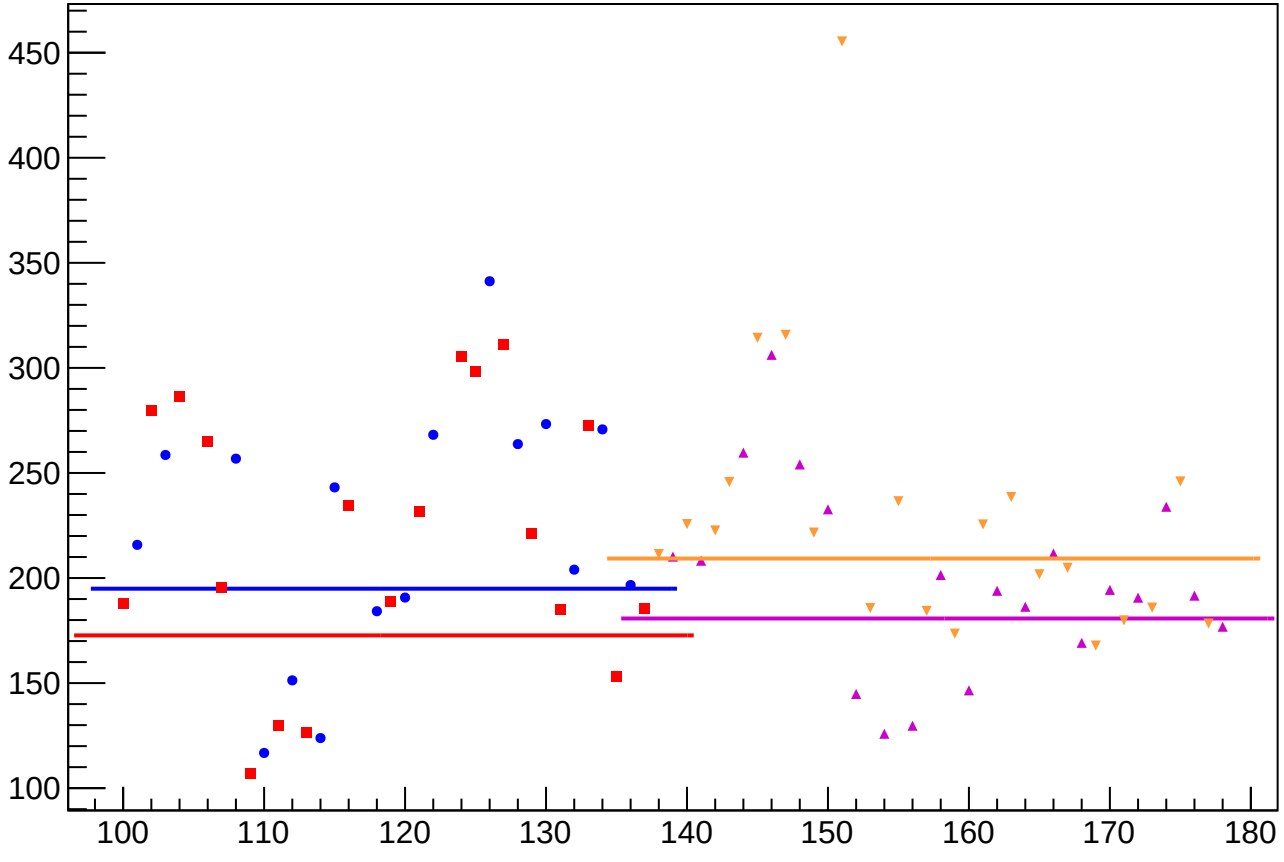
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 66.760+/-40.037 χ^2/NDF:24.9/35

Out: 45.736+/-41.941 χ^2/NDF:29.2/39

All: 56.736+/-28.960 χ^2/NDF: 54.3/75

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: 180.744+/-0.033 χ^2/NDF:1613376.5/19

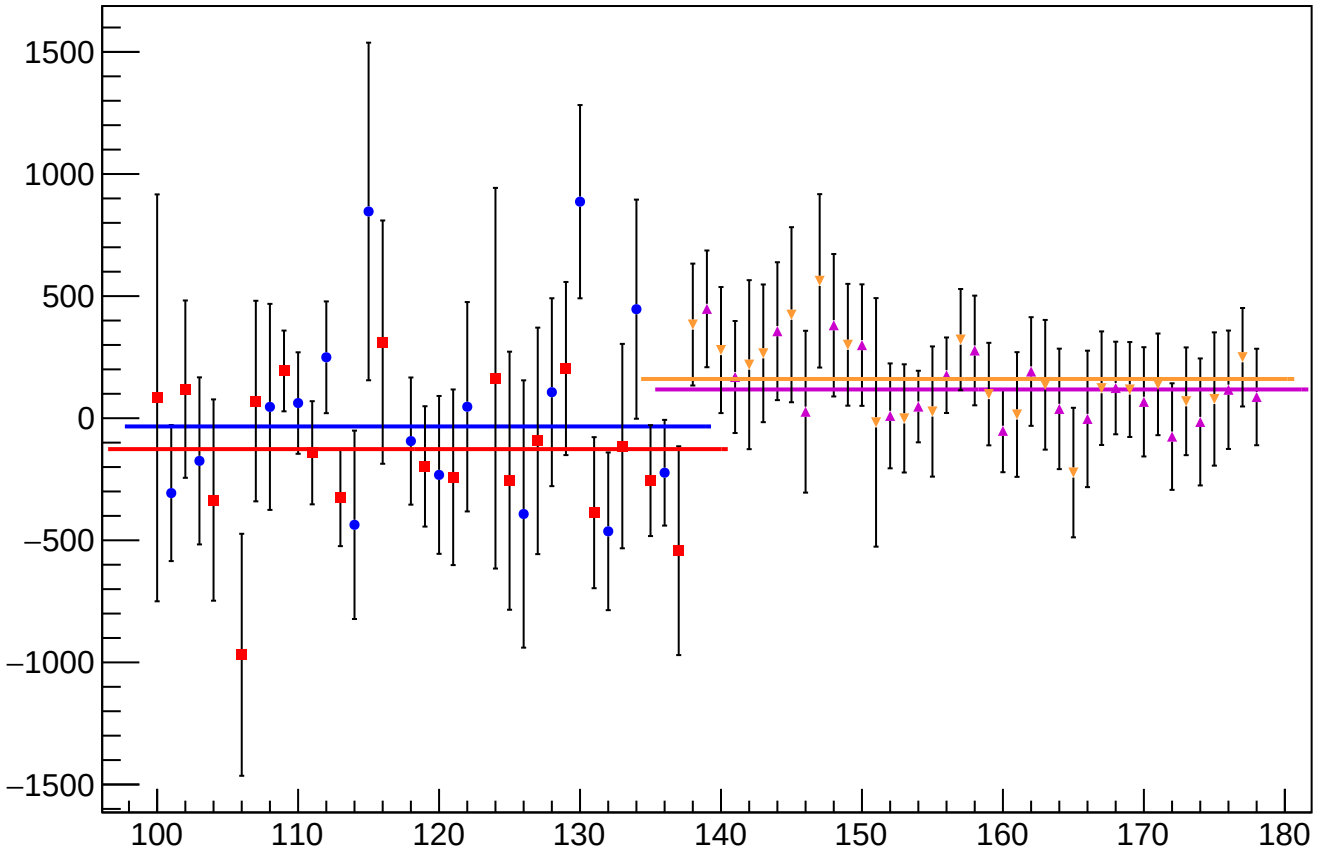
Left: 193.284+/-0.025 χ^2/NDF: 3249634.6/40

Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 184.618+/-0.028 χ^2/NDF:2692086.6/35

Out: 195.570+/-0.030 χ^2/NDF:3299580.3/39

All: 189.840+/-0.020 χ^2/NDF: 6063016.5/75



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: 117.742+/-48.428 χ^2/NDF:7.7/19

Left: 136.734+/-36.160 χ^2/NDF: 16.0/40

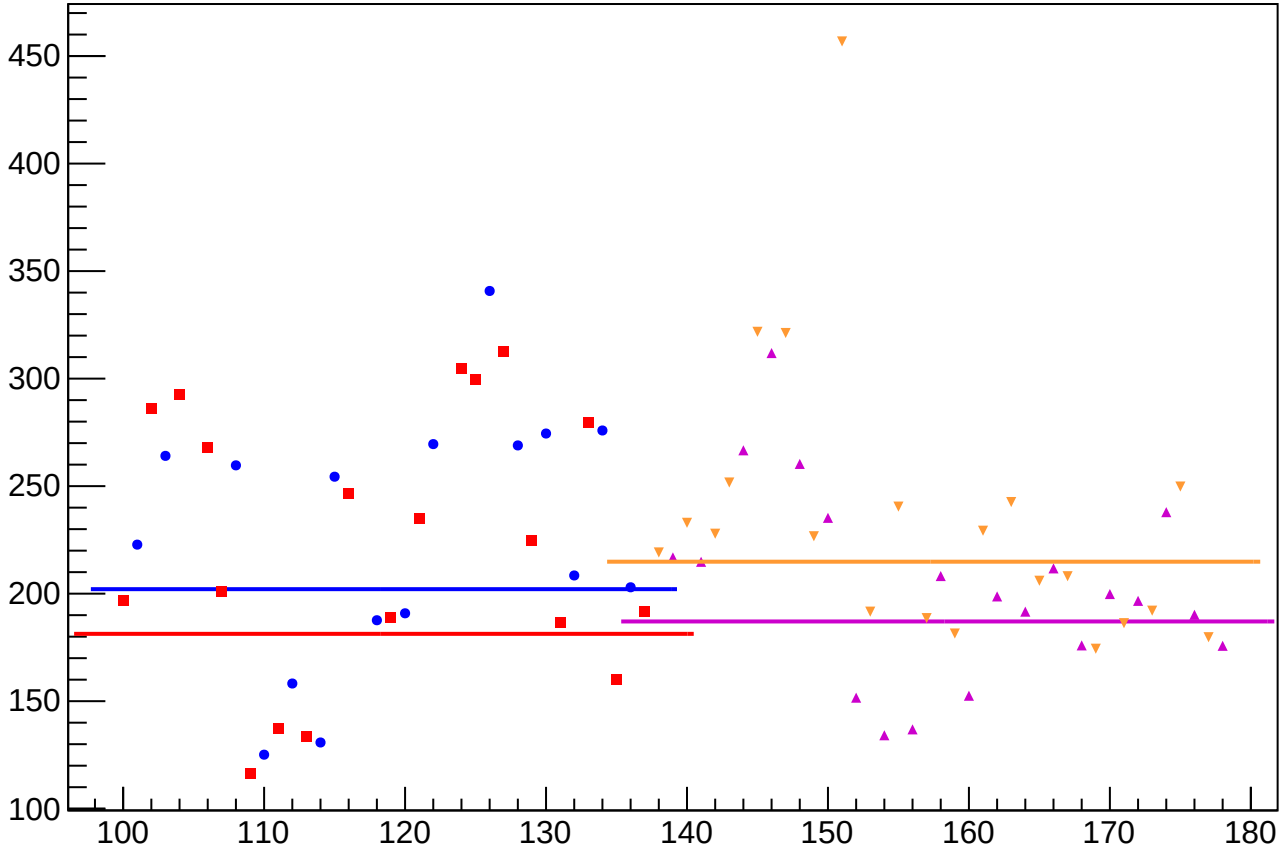
Right: -84.882+/-52.933 χ^2/NDF: 29.2/34

In: 76.365+/-41.287 χ^2/NDF:26.2/35

Out: 55.096+/-43.231 χ^2/NDF:30.8/39

All: 66.220+/-29.858 χ^2/NDF: 57.1/75

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: 187.071+/-0.034 χ^2/NDF:1453021.0/19

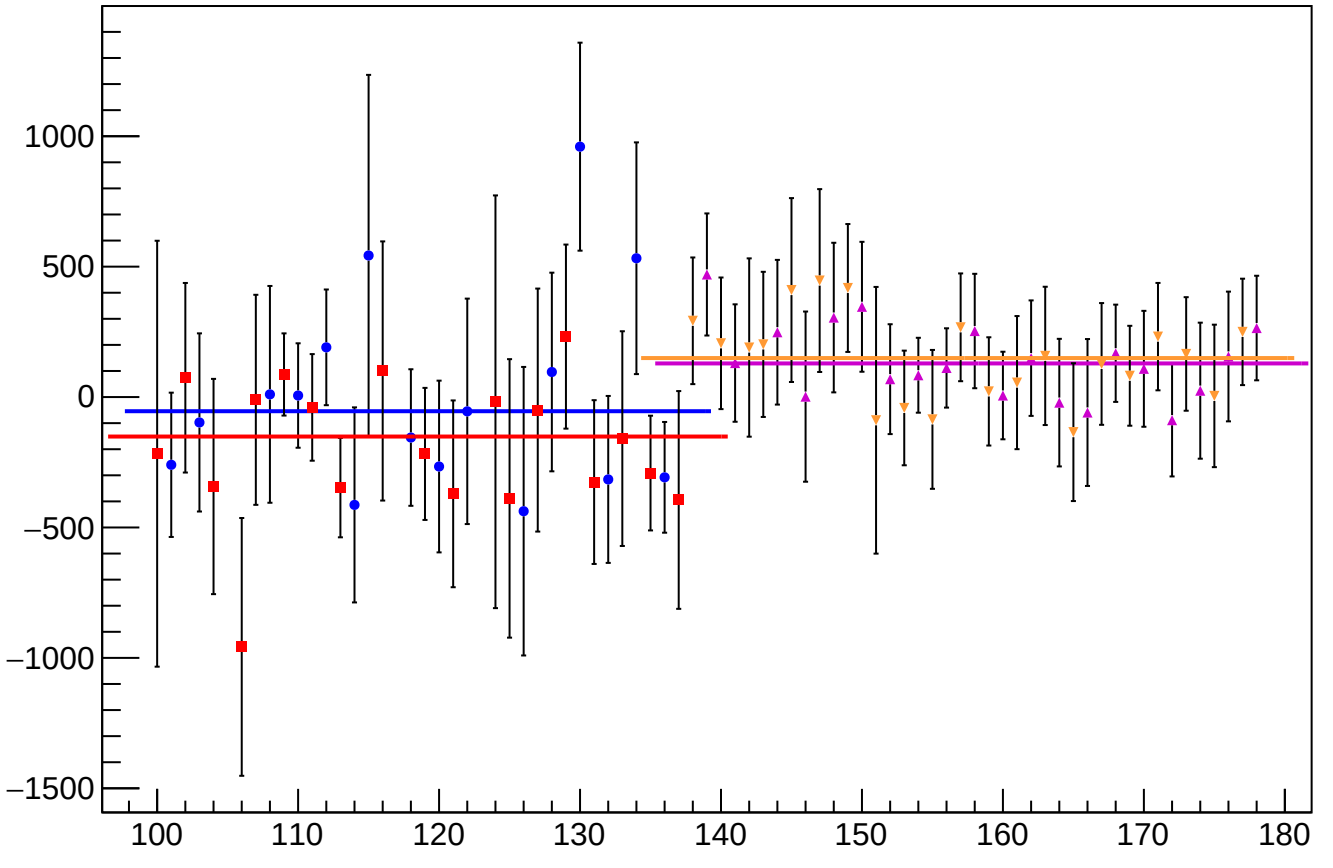
Left: 199.369+/-0.026 χ^2/NDF: 3000186.7/40

Right: 190.641+/-0.037 χ^2/NDF: 2427488.6/34

In: 191.173+/-0.029 χ^2/NDF:2415830.0/35

Out: 202.533+/-0.031 χ^2/NDF:2976697.9/39

All: 196.592+/-0.021 χ^2/NDF: 5464747.1/75



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: 128.937+/-47.933 χ^2/NDF:7.2/19

Left: 138.025+/-35.825 χ^2/NDF: 14.8/40

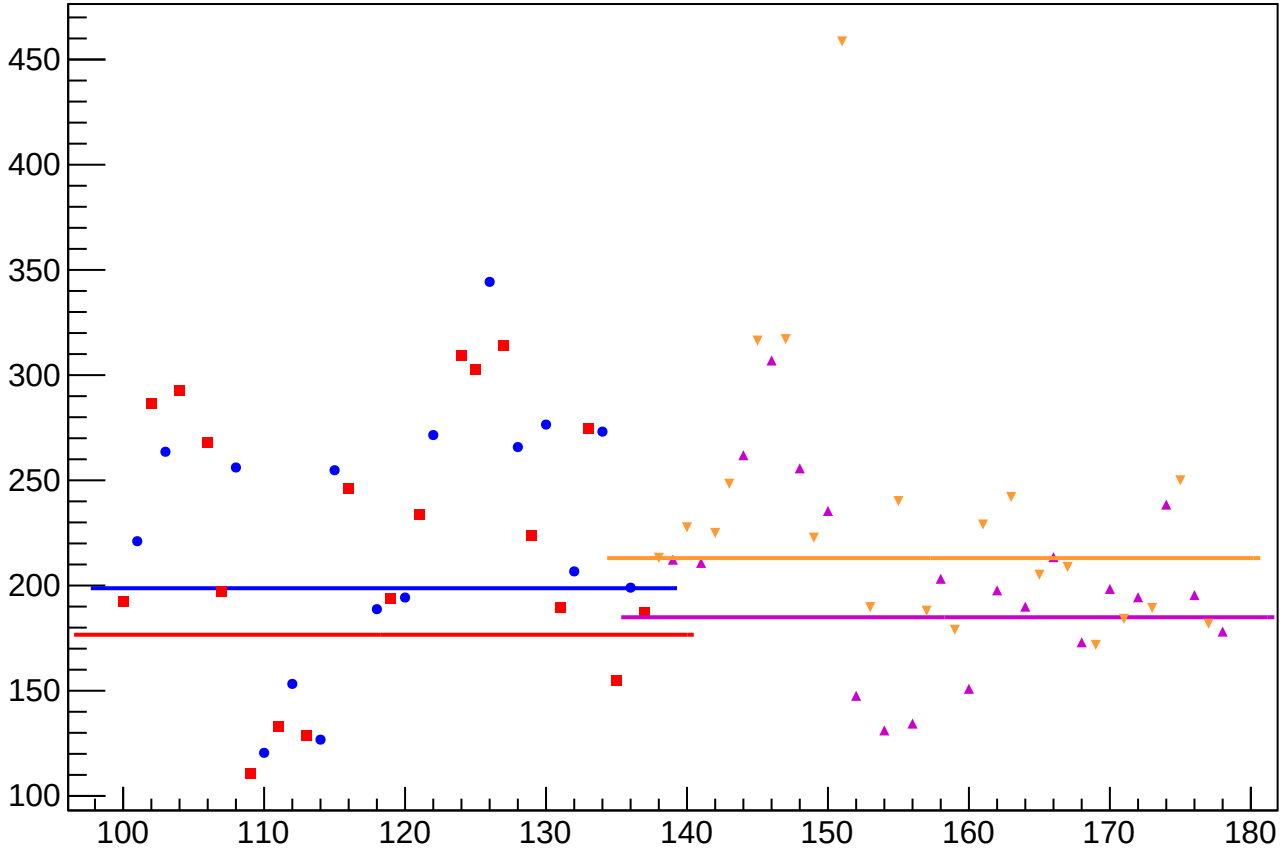
Right: -108.074+/-52.040 χ^2/NDF: 26.2/34

In: 78.670+/-40.830 χ^2/NDF:26.3/35

Out: 37.275+/-42.696 χ^2/NDF:29.3/39

All: 58.896+/-29.509 χ^2/NDF: 56.1/75

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: 184.926+/-0.034 χ^2/NDF:1489669.9/19

Left: 197.335+/-0.025 χ^2/NDF: 3047442.5/40

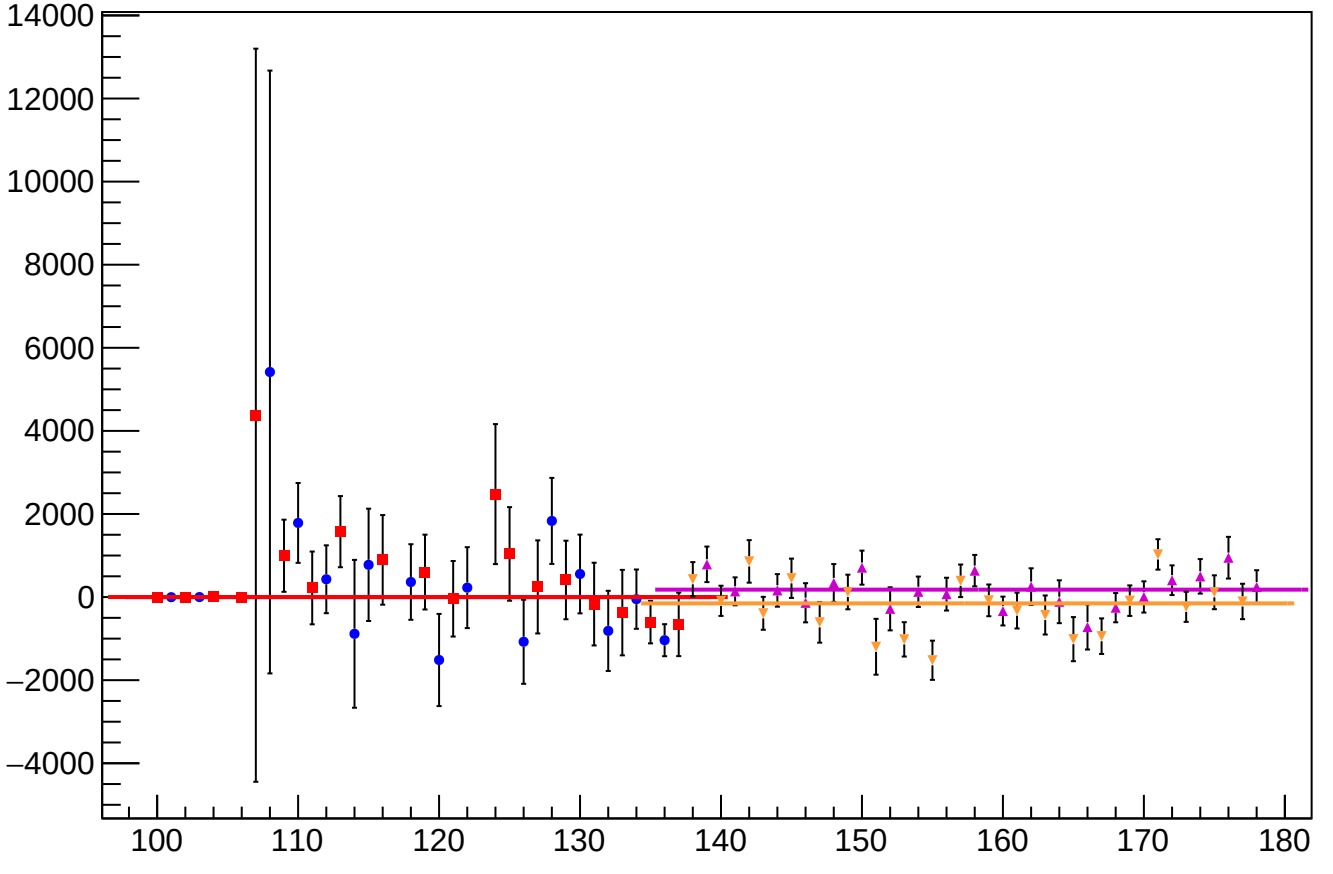
Right: 186.471+/-0.037 χ^2/NDF: 2678866.0/34

In: 188.711+/-0.029 χ^2/NDF:2529178.2/35

Out: 199.454+/-0.030 χ^2/NDF:3190130.7/39

All: 193.842+/-0.021 χ^2/NDF: 5785447.8/75

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: 178.992+/-91.243 χ^2/NDF:17.0/19

Left: 16.020+/-64.955 χ^2/NDF: 67.3/40

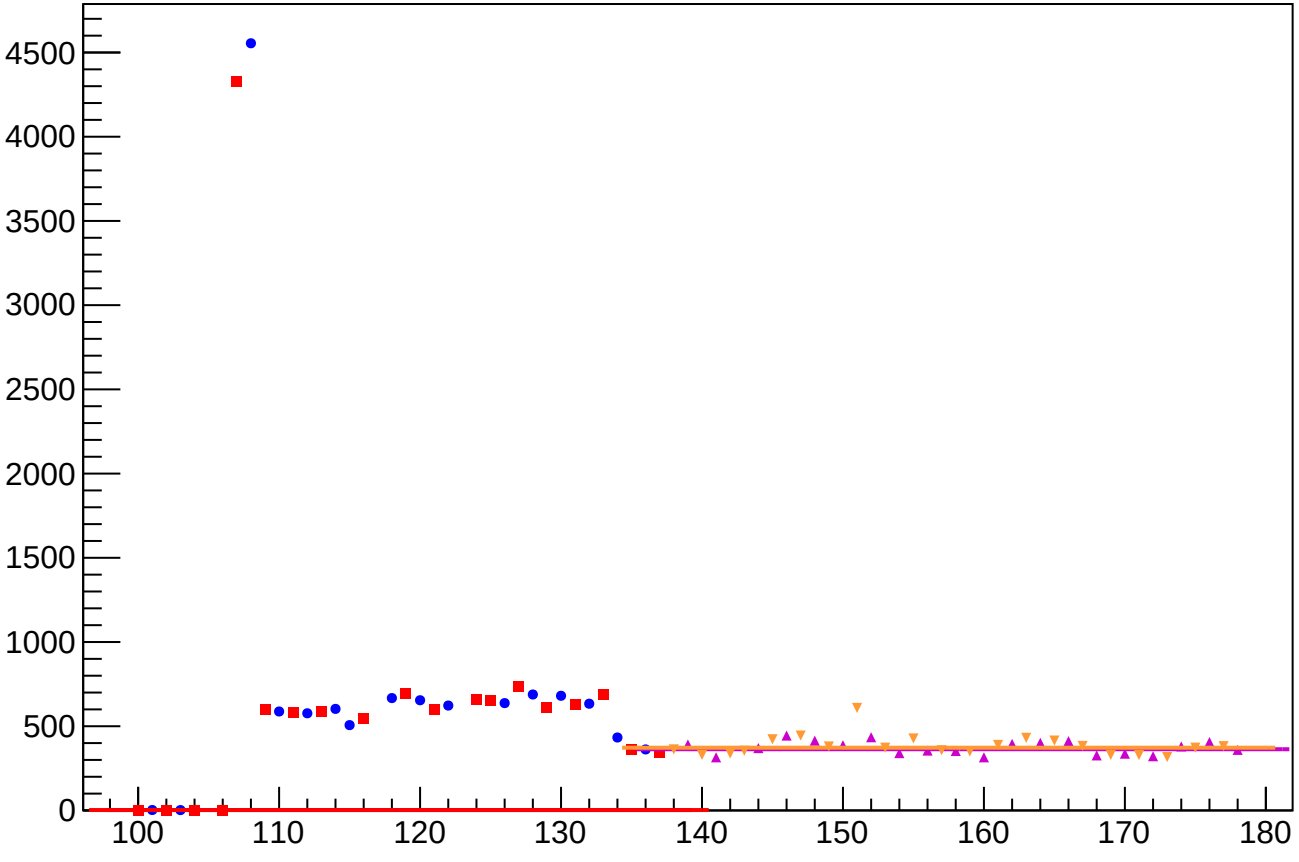
Right: 0.162+/-1.480 χ^2/NDF: 37.5/34

In: -1.137+/-2.170 χ^2/NDF:40.8/35

Out: 1.304+/-2.022 χ^2/NDF:63.4/39

All: 0.170+/-1.479 χ^2/NDF: 104.9/75

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: 363.537+/-0.065 χ^2/NDF:340393.8/19

Left: 368.006+/-0.046 χ^2/NDF: 893431.5/40

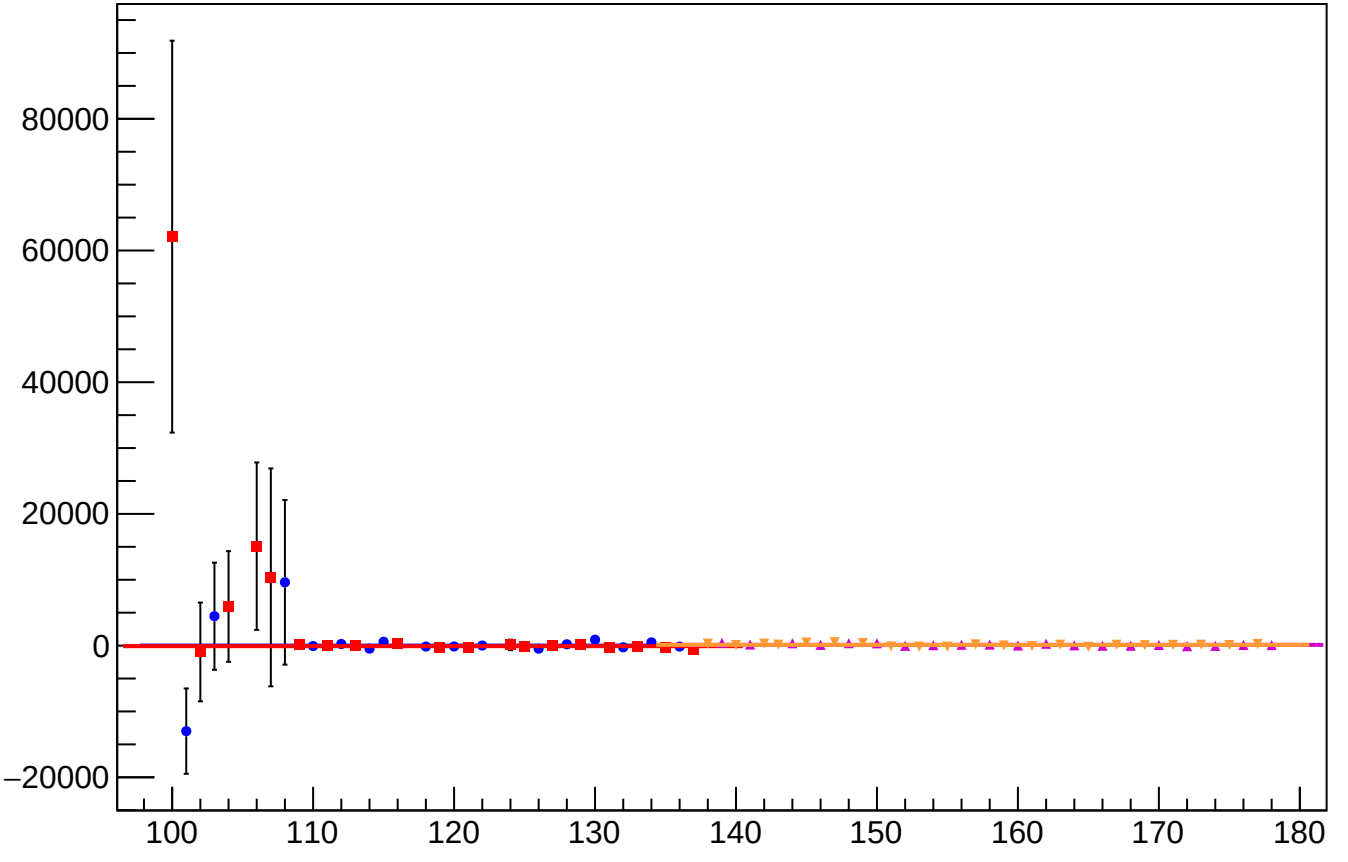
Right: 2.469+/-0.001 χ^2/NDF: 23171686.0/34

In: 2.681+/-0.002 χ^2/NDF:43266510.2/35

Out: 2.639+/-0.001 χ^2/NDF:44103434.9/39

All: 2.659+/-0.001 χ^2/NDF: 87370344.4/75

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: 113.270+/-50.634 χ^2/NDF:7.2/19

Left: 113.102+/-37.434 χ^2/NDF: 16.0/40

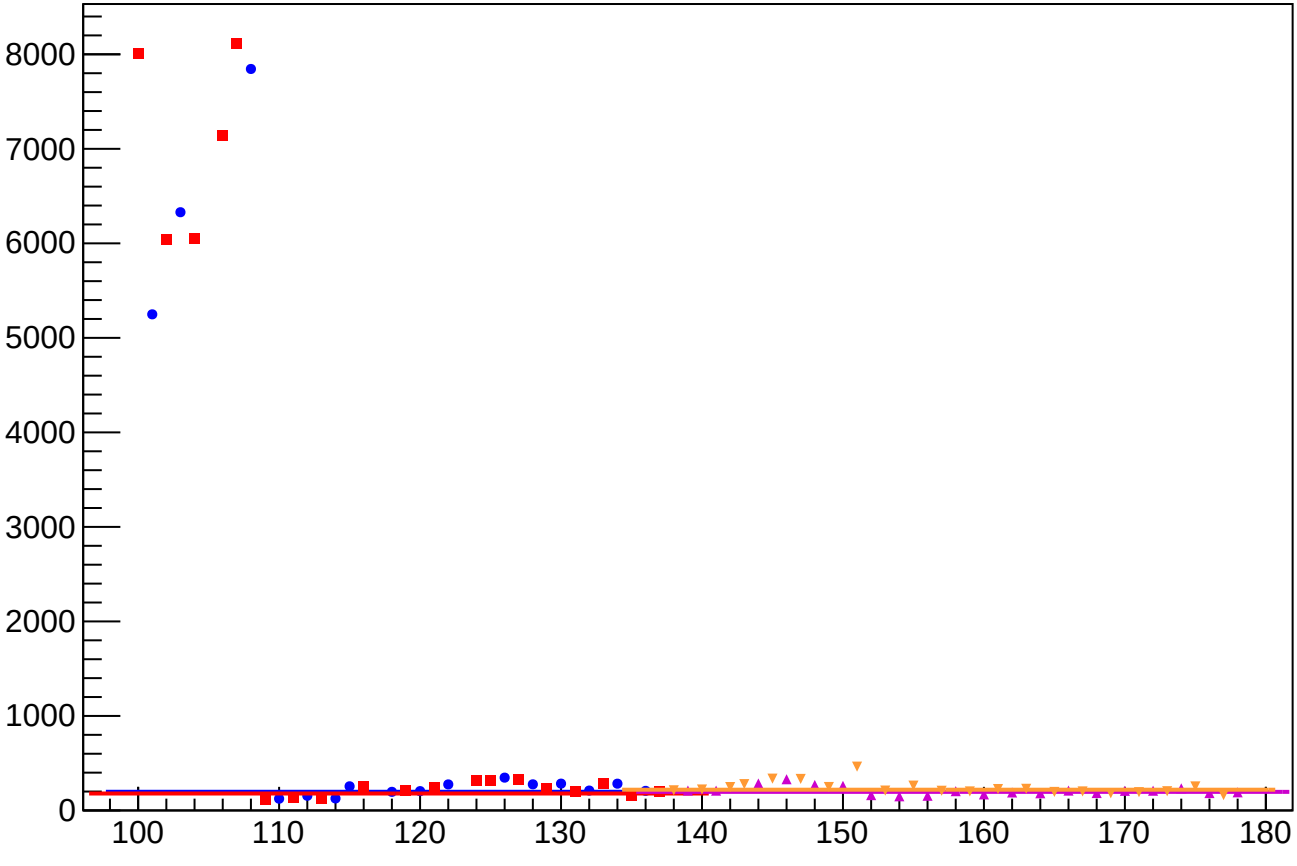
Right: -47.007+/-59.781 χ^2/NDF: 32.3/34

In: 85.155+/-43.866 χ^2/NDF:25.3/35

Out: 49.190+/-45.945 χ^2/NDF:27.8/39

All: 68.005+/-31.727 χ^2/NDF: 53.4/75

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: 196.721+/-0.036 χ^2/NDF:1144001.3/19

Left: 207.050+/-0.026 χ^2/NDF: 2705175.4/40

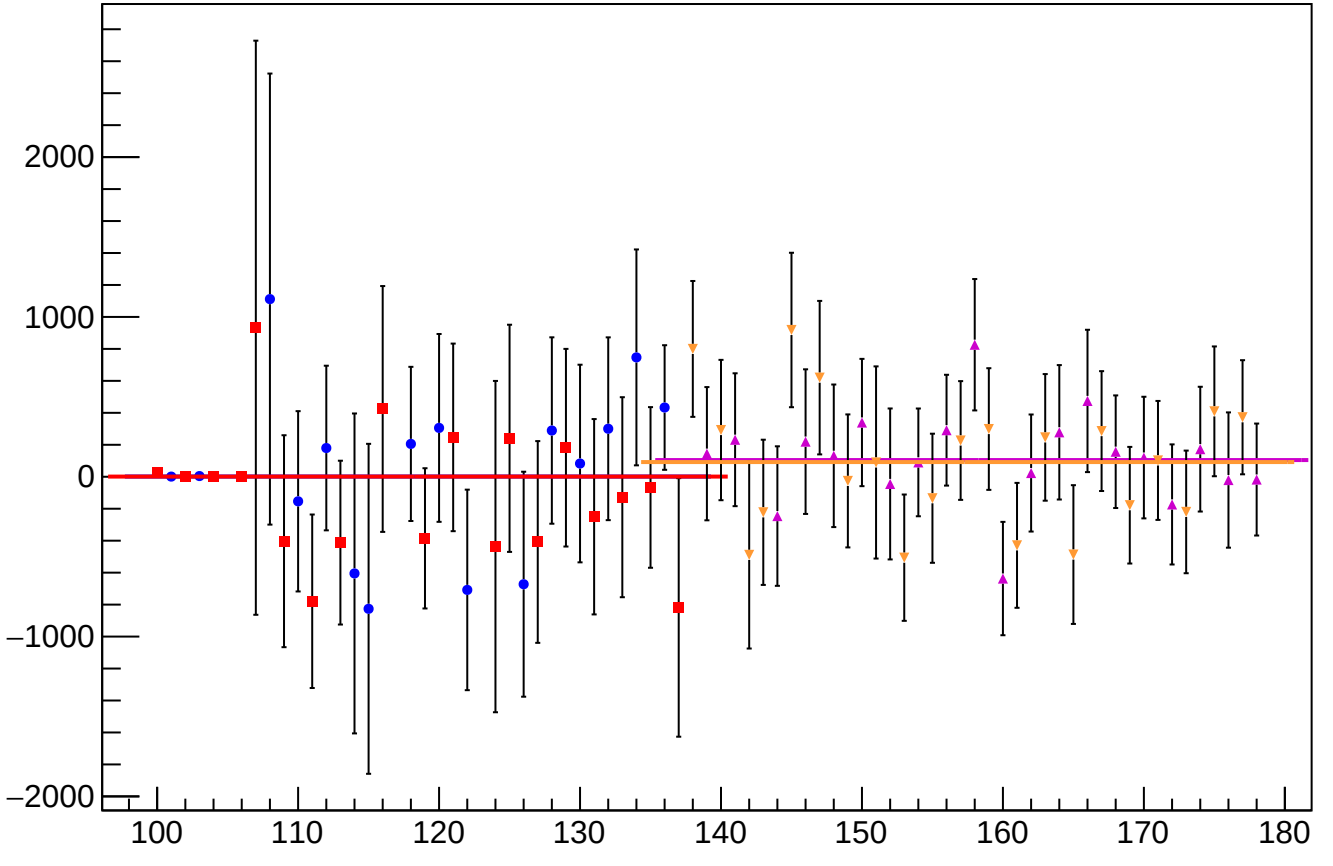
Right: 187.761+/-0.042 χ^2/NDF: 8422574.8/34

In: 196.945+/-0.031 χ^2/NDF:5101351.0/35

Out: 206.742+/-0.032 χ^2/NDF:6128390.8/39

All: 201.617+/-0.022 χ^2/NDF: 11277309.0/75

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: 104.448+/-88.053 χ^2/NDF:10.7/19

Left: 98.337+/-62.985 χ^2/NDF: 28.8/40

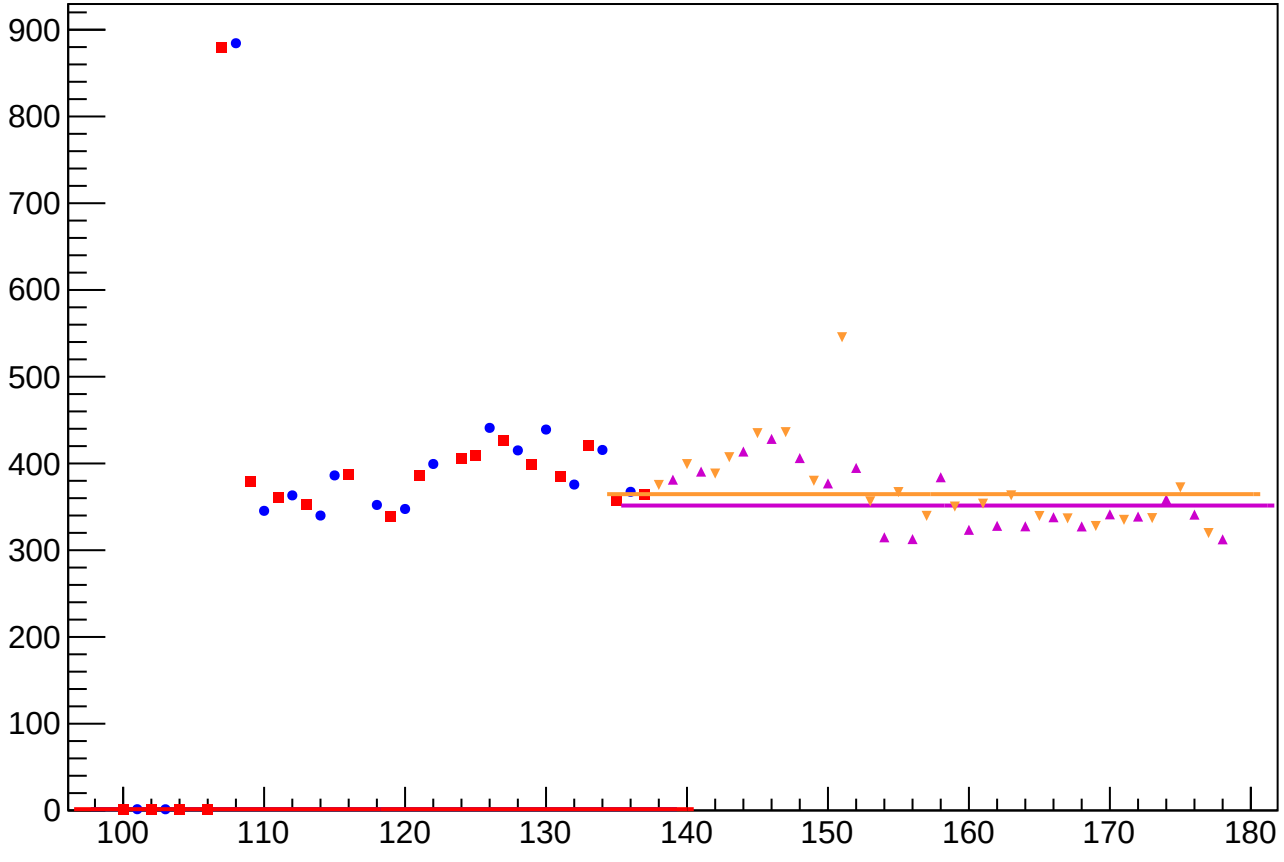
Right: 1.260+/-1.124 χ^2/NDF: 17.1/34

In: 1.492+/-1.660 χ^2/NDF:20.0/35

Out: 1.120+/-1.528 χ^2/NDF:28.3/39

All: 1.290+/-1.124 χ^2/NDF: 48.3/75

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: 351.493+/-0.062 χ^2/NDF:311121.4/19

Left: 357.906+/-0.045 χ^2/NDF: 745670.9/40

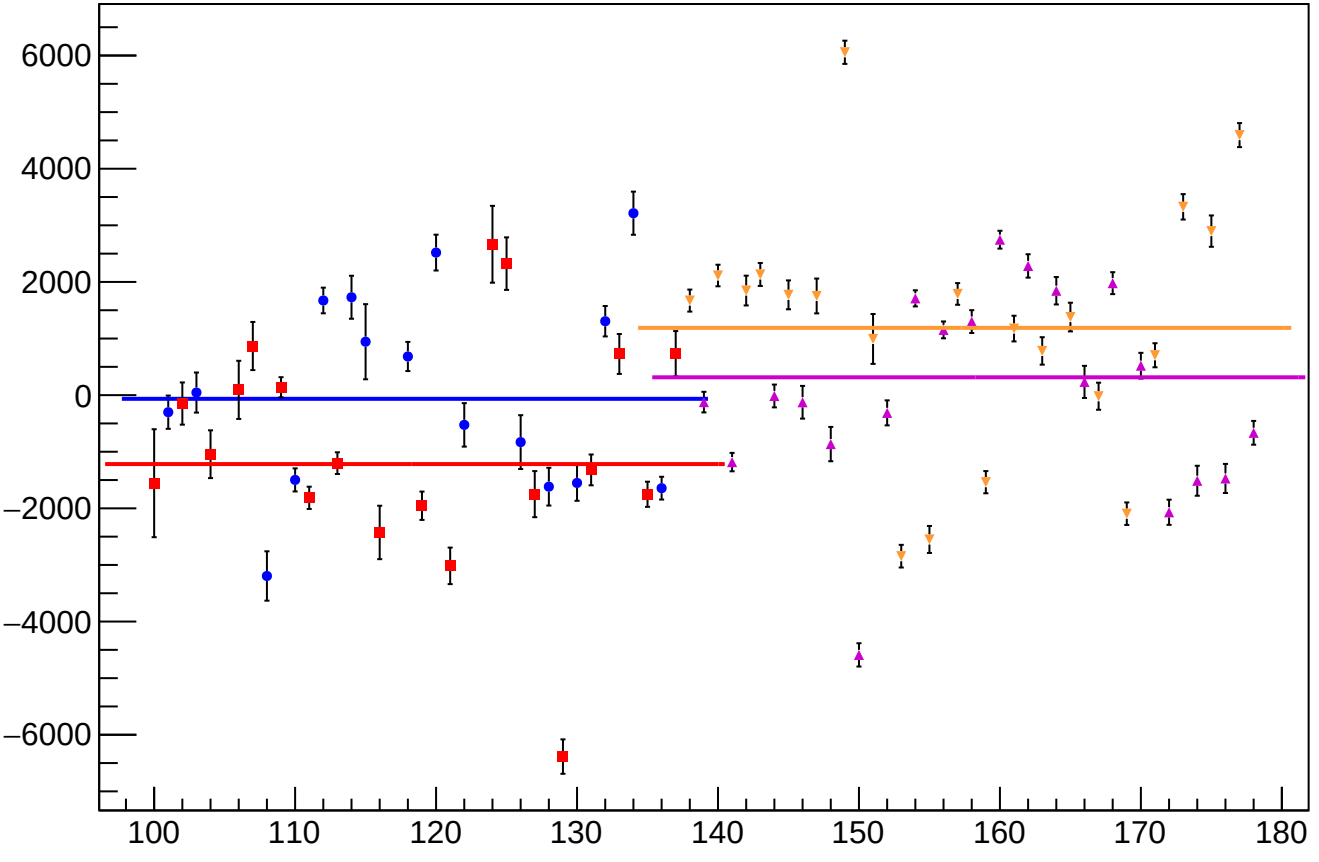
Right: 1.469+/-0.001 χ^2/NDF: 23005768.2/34

In: 1.595+/-0.001 χ^2/NDF:43638323.7/35

Out: 1.571+/-0.001 χ^2/NDF:44142660.0/39

All: 1.582+/-0.001 χ^2/NDF: 87781193.4/75

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: 314.999+/-45.180 χ^2/NDF:1512.3/19

Left: 715.884+/-33.238 χ^2/NDF: 3861.6/40

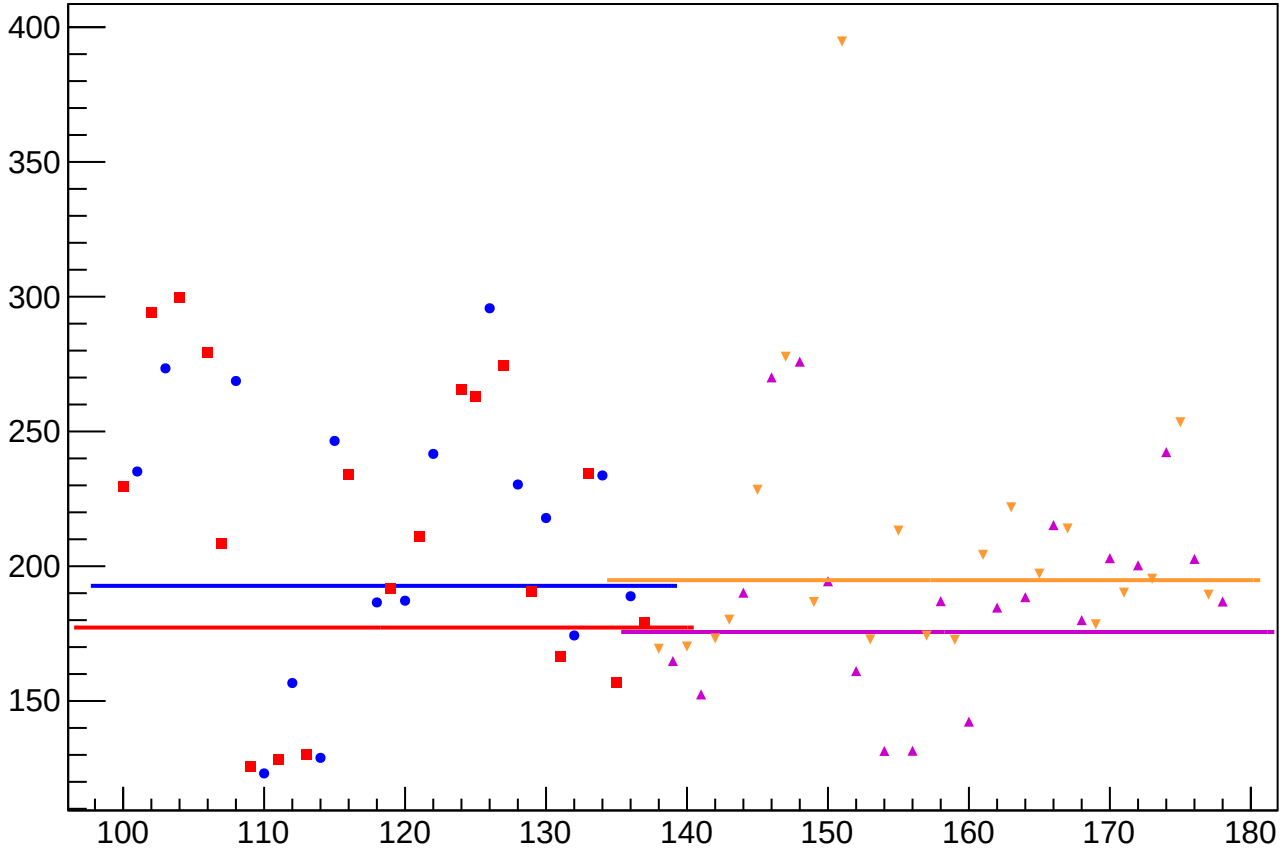
Right: -688.385+/-50.755 χ^2/NDF: 1192.2/34

In: 213.612+/-38.686 χ^2/NDF:2000.6/35

Out: 380.769+/-39.994 χ^2/NDF:3579.9/39

All: 294.413+/-27.806 χ^2/NDF: 5589.5/75

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: 175.601+/-0.032 χ^2/NDF:1237163.6/19

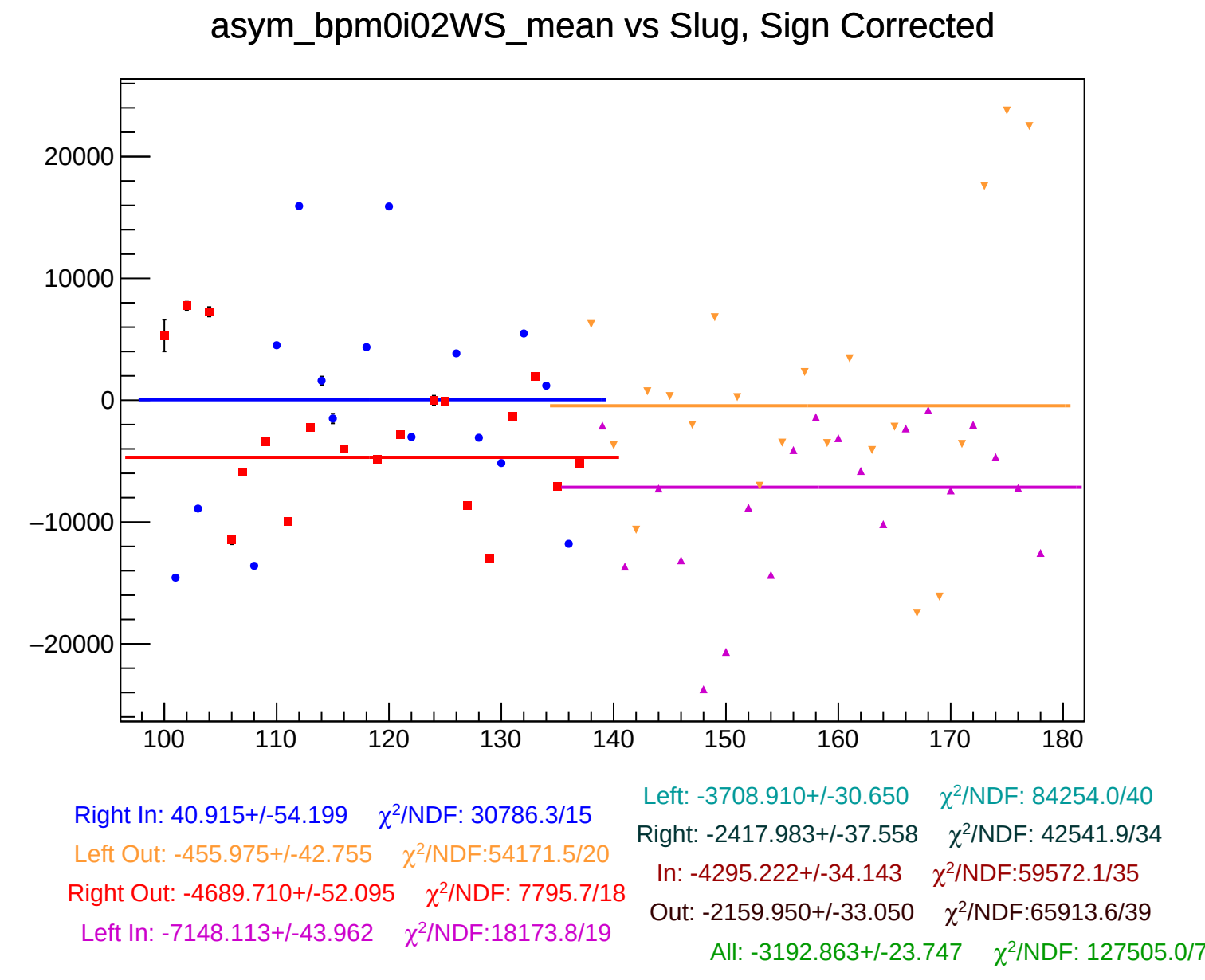
Left: 184.422+/-0.024 χ^2/NDF: 2320879.9/40

Right: 184.355+/-0.036 χ^2/NDF: 2031455.3/34

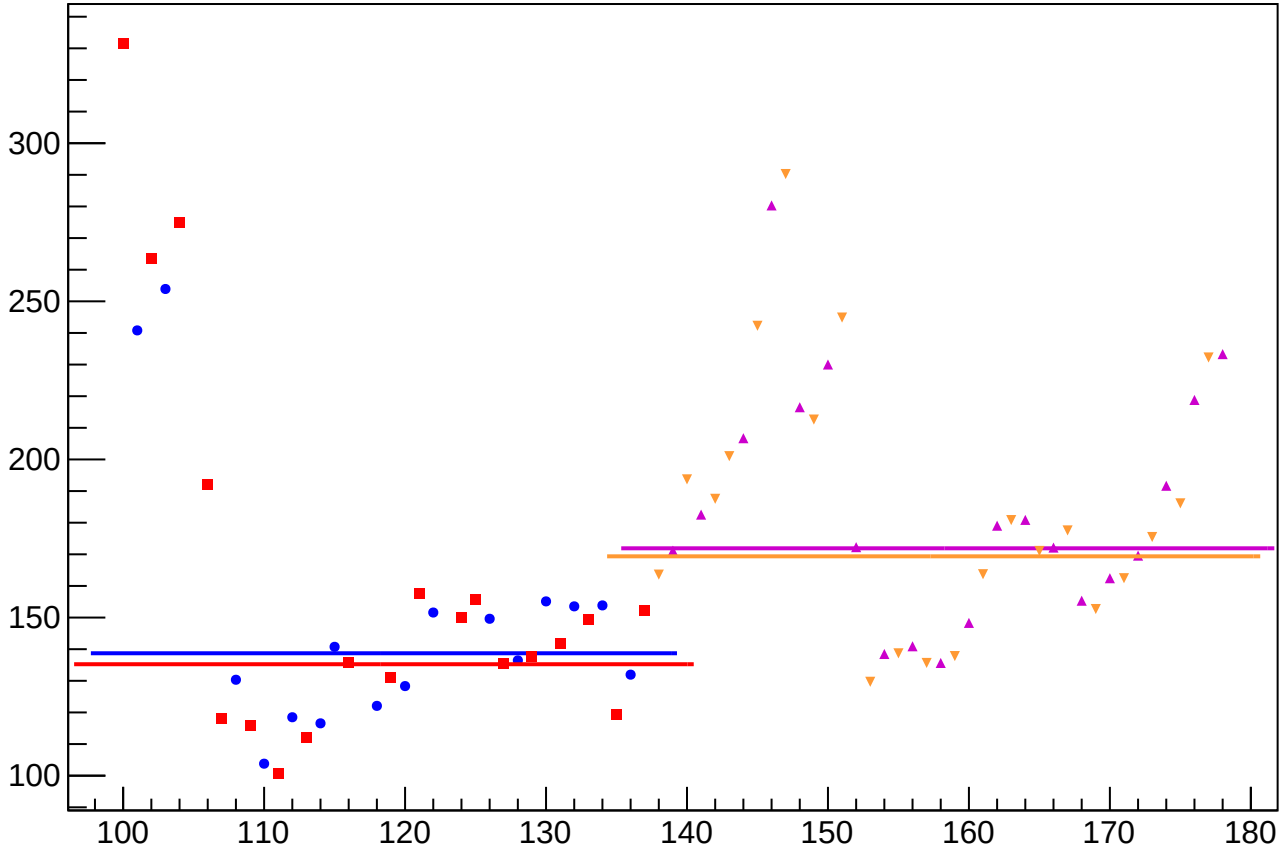
In: 180.168+/-0.027 χ^2/NDF:2072916.9/35

Out: 188.927+/-0.028 χ^2/NDF:2229861.2/39

All: 184.402+/-0.020 χ^2/NDF: 4352337.7/75


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: -7148.113+/-43.962 χ²/NDF:18173.8/19
Left: -3708.910+/-30.650 χ²/NDF: 84254.0/40
Right: -2417.983+/-37.558 χ²/NDF: 42541.9/34
In: -4295.222+/-34.143 χ²/NDF:59572.1/35
Out: -2159.950+/-33.050 χ²/NDF:65913.6/39
All: -3192.863+/-23.747 χ²/NDF: 127505.0/7

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: 171.902+/-0.031 χ^2/NDF:1064963.4/19

Left: 170.598+/-0.022 χ^2/NDF: 2368258.6/40

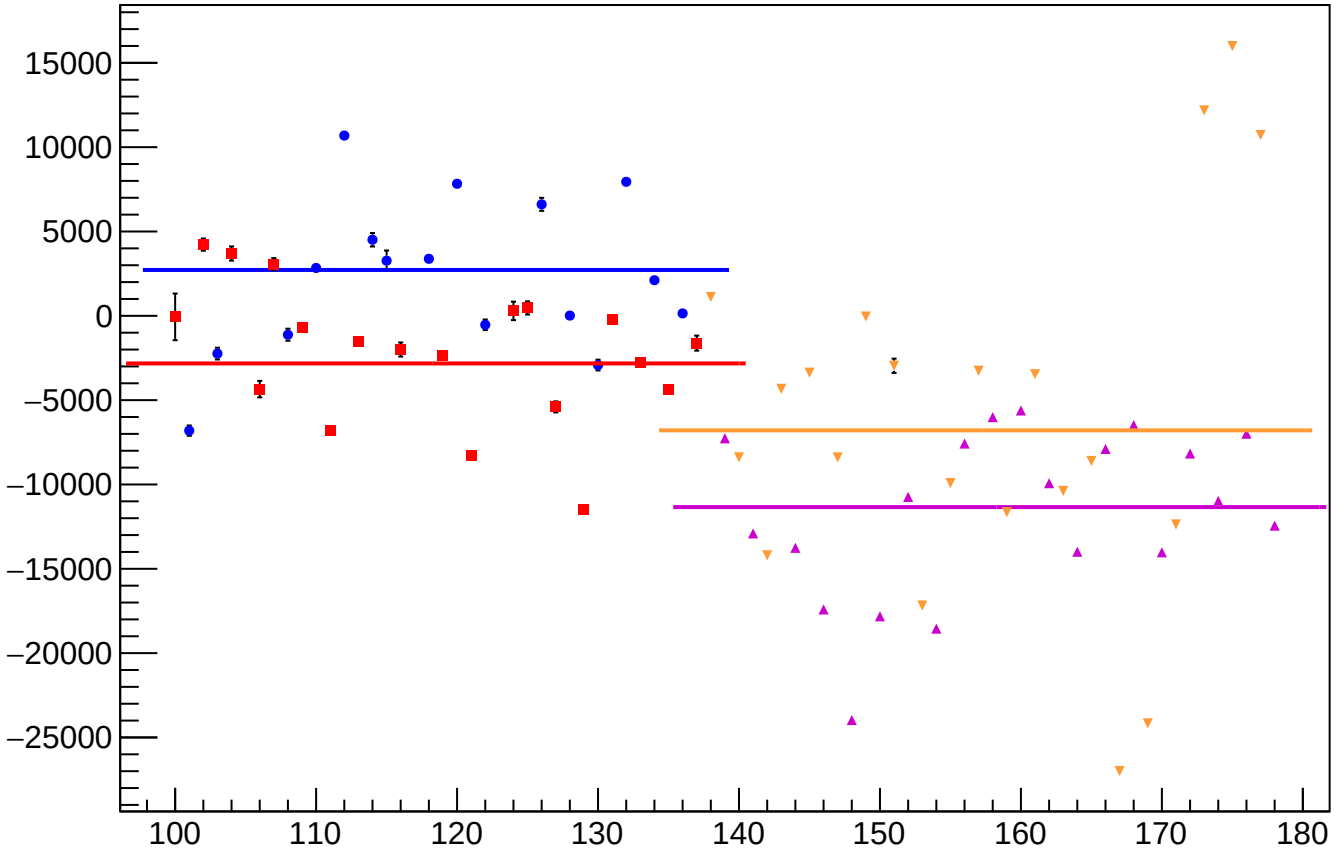
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 158.731+/-0.024 χ^2/NDF:2175133.0/35

Out: 155.632+/-0.023 χ^2/NDF:2702491.2/39

All: 157.131+/-0.017 χ^2/NDF: 4886130.7/75

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: -11341.064+/-46.468 χ^2/NDF:10866.7/19

Left: -9214.787+/-33.915 χ^2/NDF: 61050.5/40

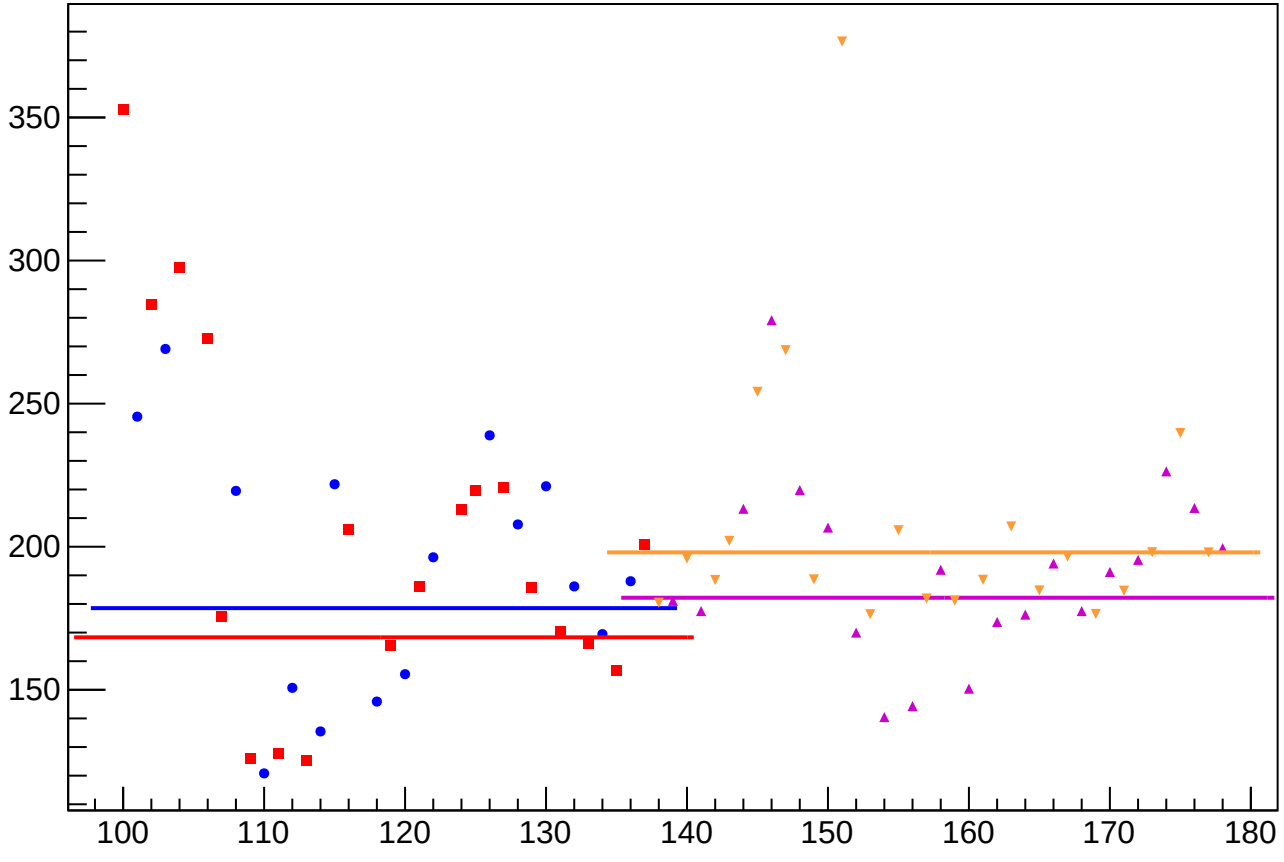
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -6975.272+/-38.586 χ^2/NDF:43425.5/35

Out: -5326.163+/-39.404 χ^2/NDF:51126.6/39

All: -6168.032+/-27.569 χ^2/NDF: 95446.2/75

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: 182.169+/-0.033 χ^2/NDF:793023.9/19

Left: 189.580+/-0.024 χ^2/NDF: 1618748.2/40

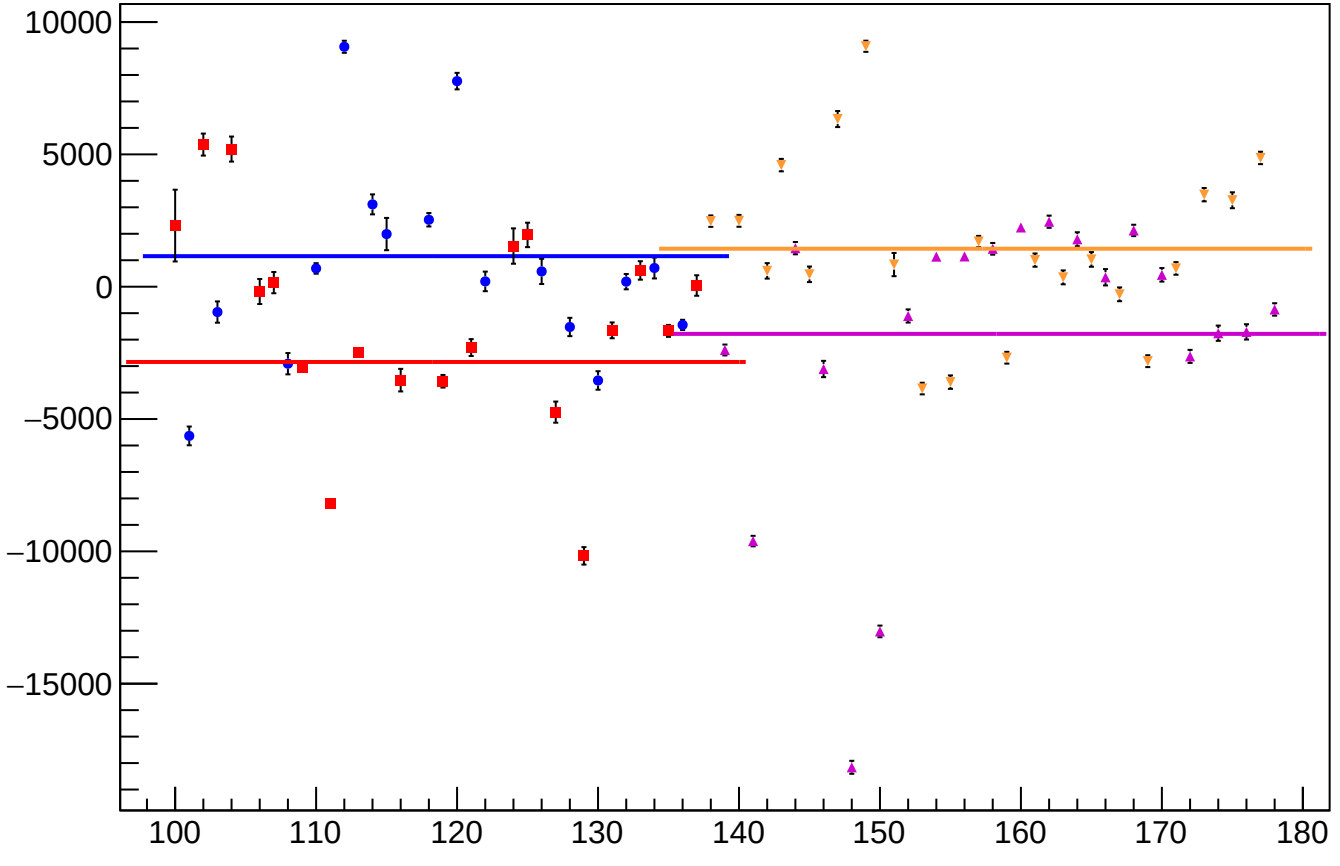
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 181.043+/-0.027 χ^2/NDF:1471376.3/35

Out: 187.065+/-0.028 χ^2/NDF:1960848.3/39

All: 183.991+/-0.019 χ^2/NDF: 3456069.1/75

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: -1782.231+/-50.723 χ^2/NDF:11109.4/19

Left: -281.926+/-37.057 χ^2/NDF: 16873.0/40

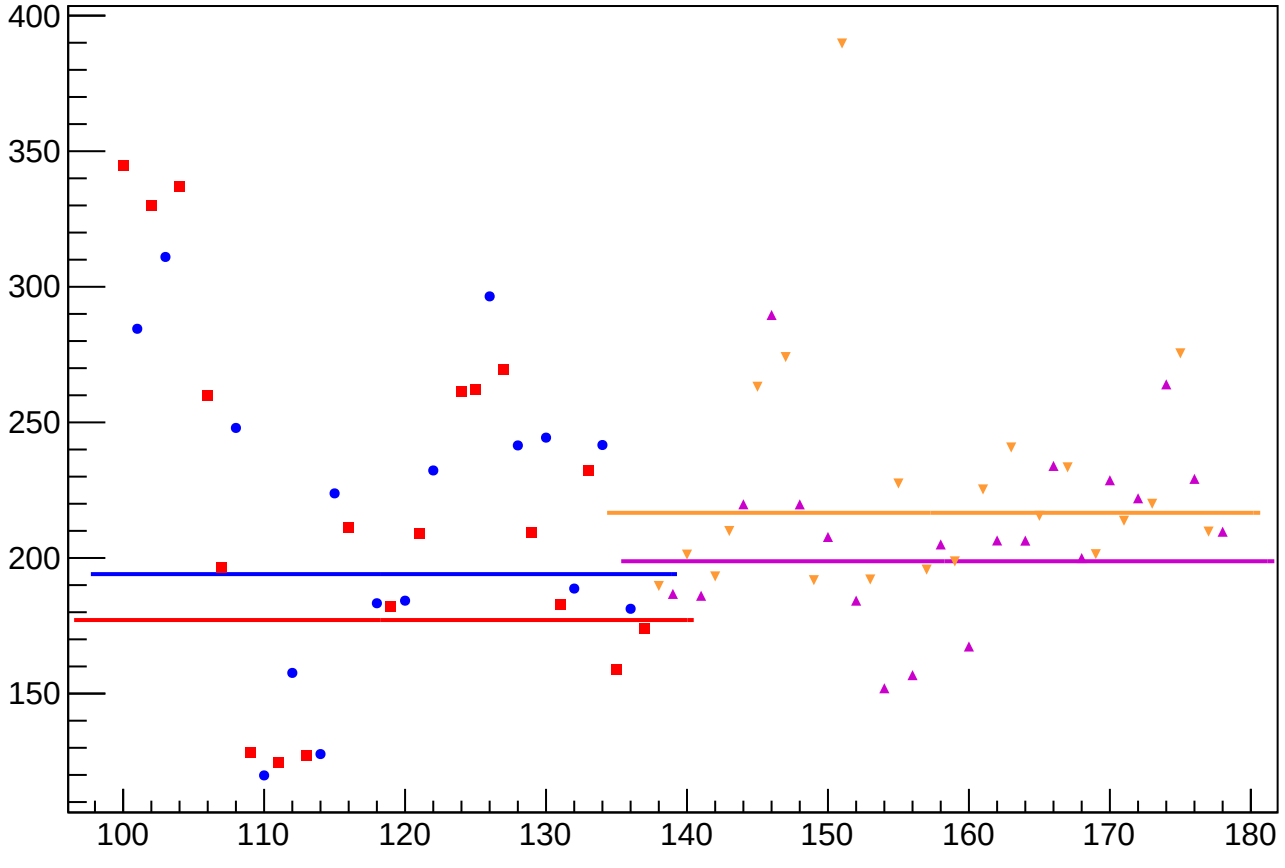
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -876.729+/-42.182 χ^2/NDF:14798.1/35

Out: -195.938+/-42.690 χ^2/NDF:8710.9/39

All: -540.404+/-30.005 χ^2/NDF: 23637.7/75

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: 198.799+/-0.036 χ^2/NDF:767631.5/19

Left: 207.130+/-0.026 χ^2/NDF: 1574029.7/40

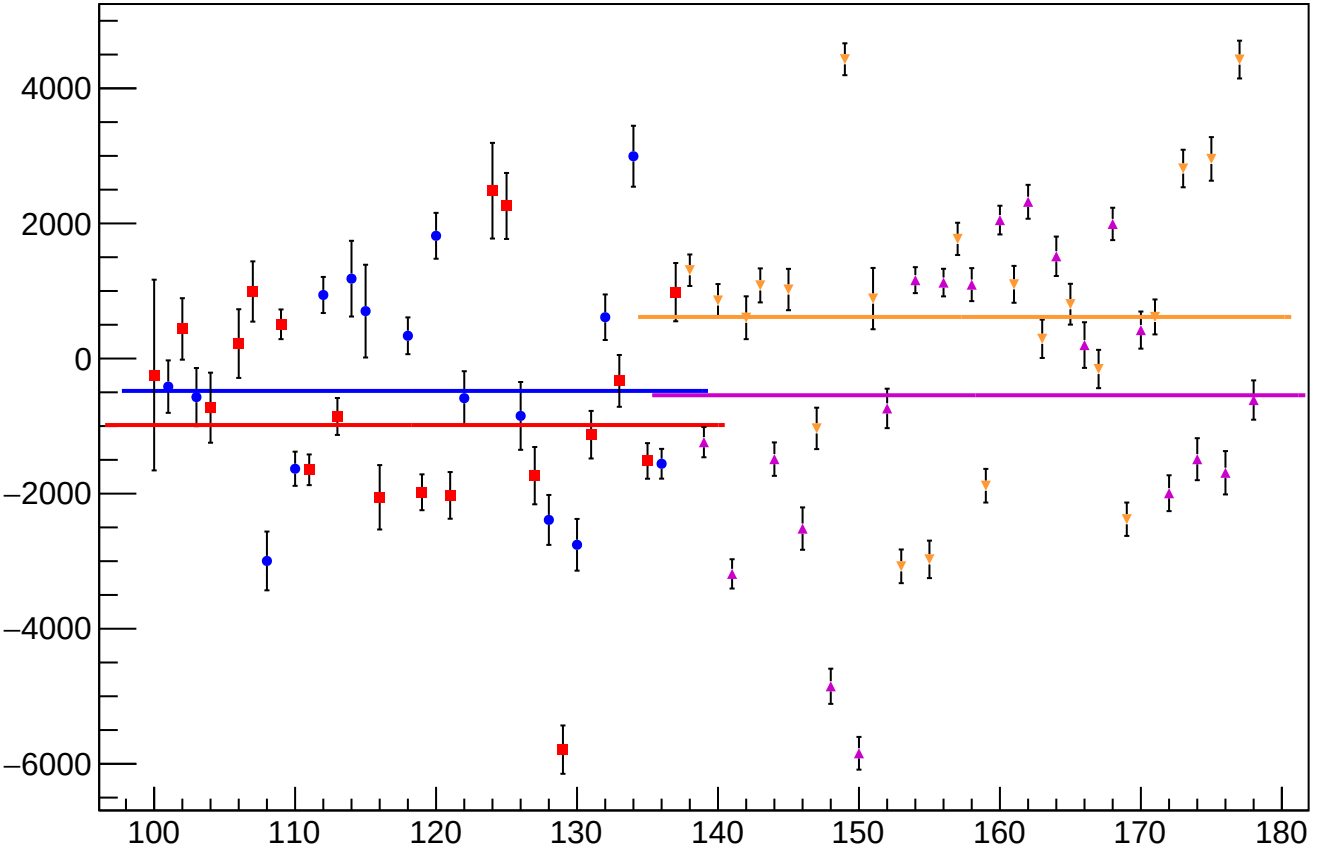
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 197.335+/-0.030 χ^2/NDF:1738818.5/35

Out: 201.588+/-0.030 χ^2/NDF:2455015.5/39

All: 199.436+/-0.021 χ^2/NDF: 4203875.1/75

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: -543.714+/-56.411 χ^2/NDF:1665.1/19

Left: 6.253+/-40.897 χ^2/NDF: 3141.0/40

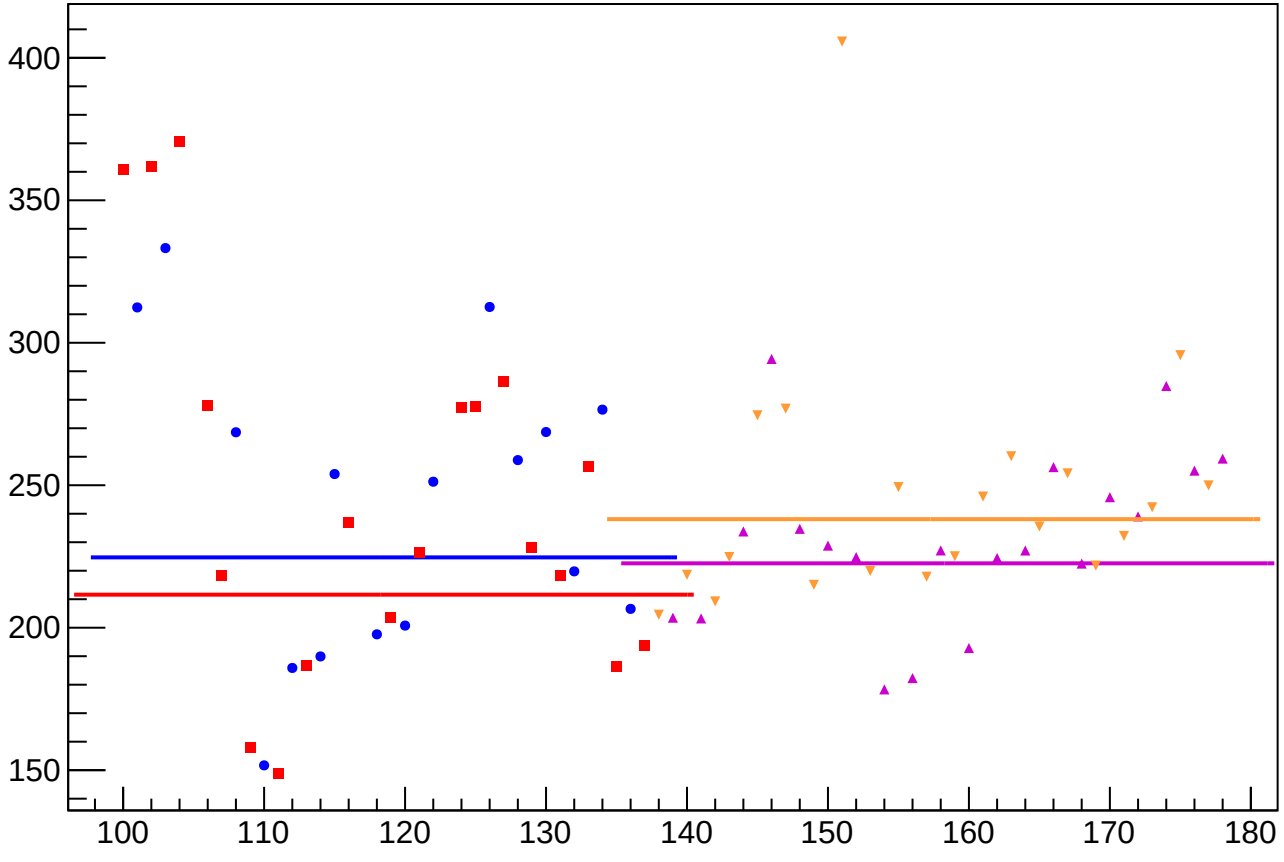
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -524.551+/-47.281 χ^2/NDF:1970.9/35

Out: 55.803+/-47.877 χ^2/NDF:1927.7/39

All: -238.007+/-33.641 χ^2/NDF: 3973.0/75

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: 222.594+/-0.040 χ^2/NDF:543257.1/19

Left: 229.949+/-0.029 χ^2/NDF: 1175016.1/40

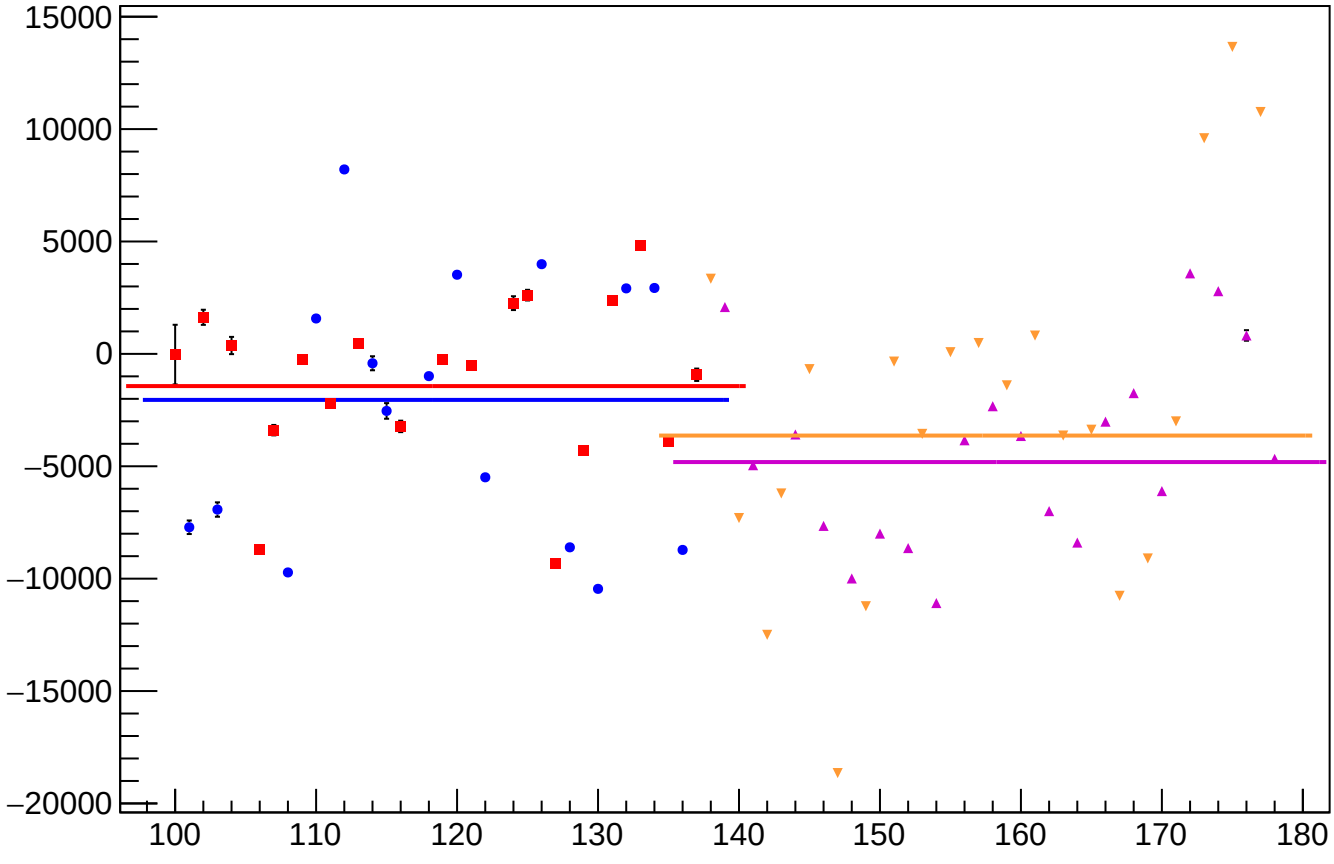
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 223.215+/-0.033 χ^2/NDF:1197266.1/35

Out: 228.826+/-0.034 χ^2/NDF:1632390.1/39

All: 225.986+/-0.024 χ^2/NDF: 2843561.4/75

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: -4812.873+/-32.787 χ^2/NDF:15228.2/19

Left: -4207.015+/-22.861 χ^2/NDF: 67505.1/40

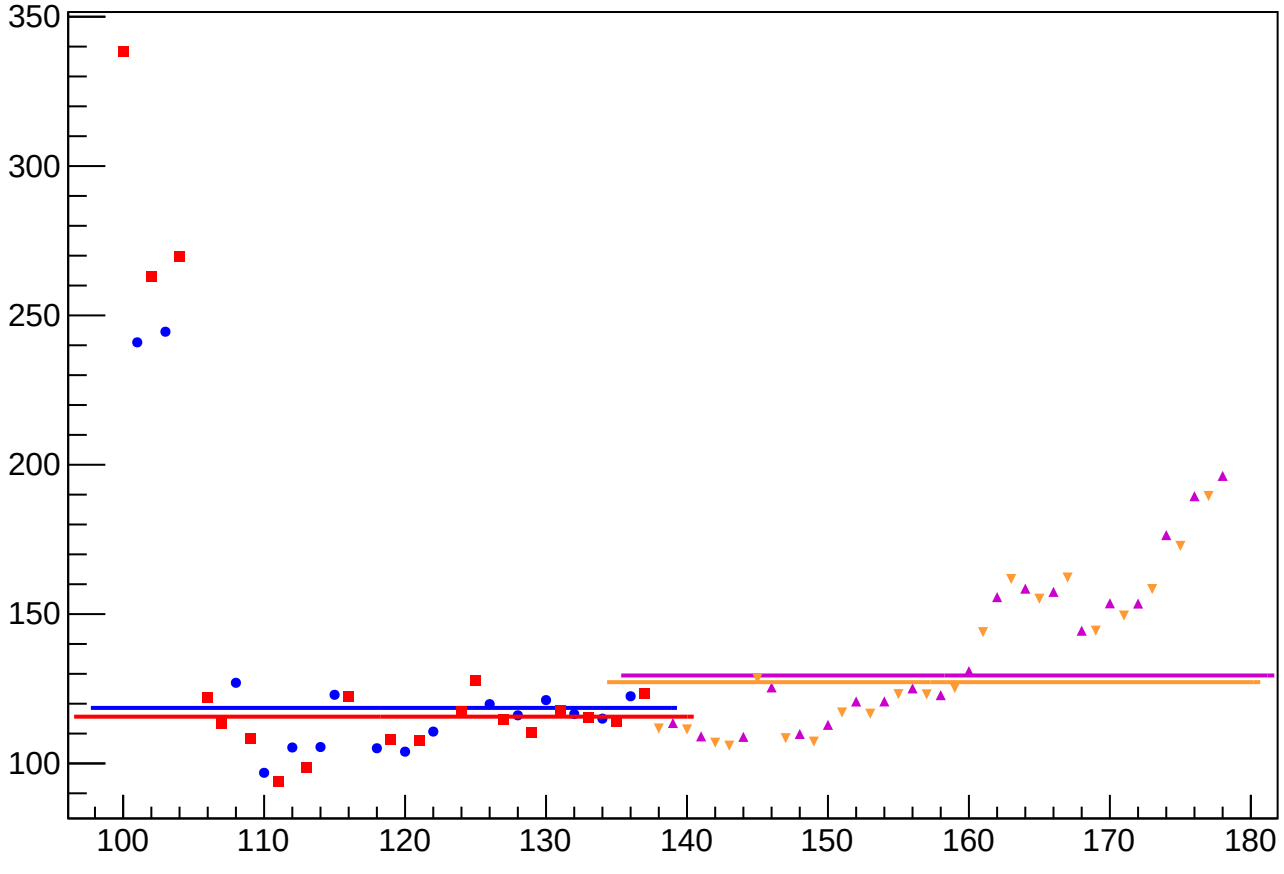
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -3900.314+/-26.838 χ^2/NDF:34285.0/35

Out: -2891.960+/-25.968 χ^2/NDF:59605.2/39

All: -3379.521+/-18.662 χ^2/NDF: 94619.3/75

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: 129.447+/-0.023 χ^2/NDF:923521.6/19

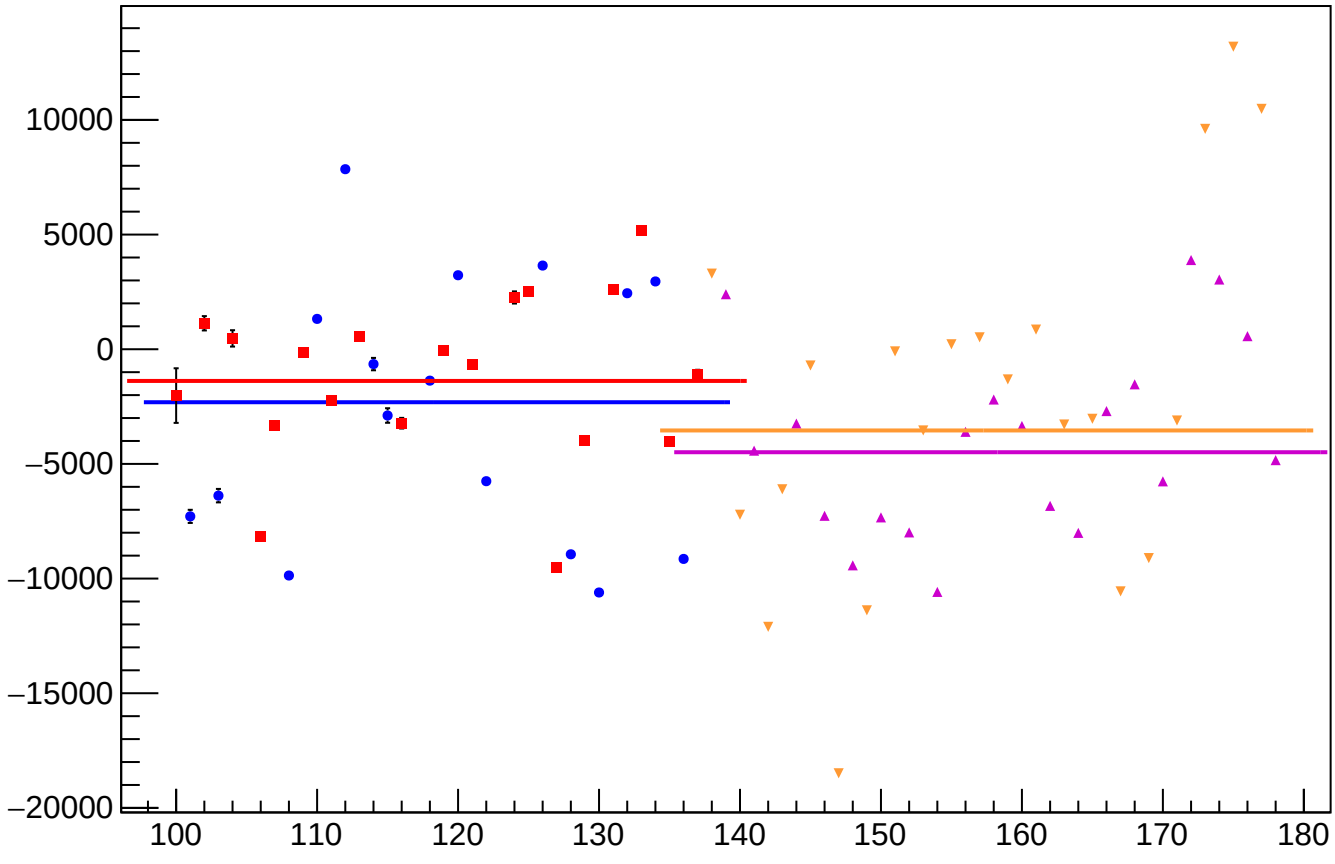
Left: 128.299+/-0.016 χ^2/NDF: 1836768.0/40

Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 125.867+/-0.019 χ^2/NDF:1729970.3/35

Out: 123.318+/-0.018 χ^2/NDF:1861125.7/39

All: 124.551+/-0.013 χ^2/NDF: 3600409.3/75



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: -4490.626+/-29.536 χ^2/NDF:17627.4/19

Left: -4002.585+/-20.589 χ^2/NDF: 78332.7/40

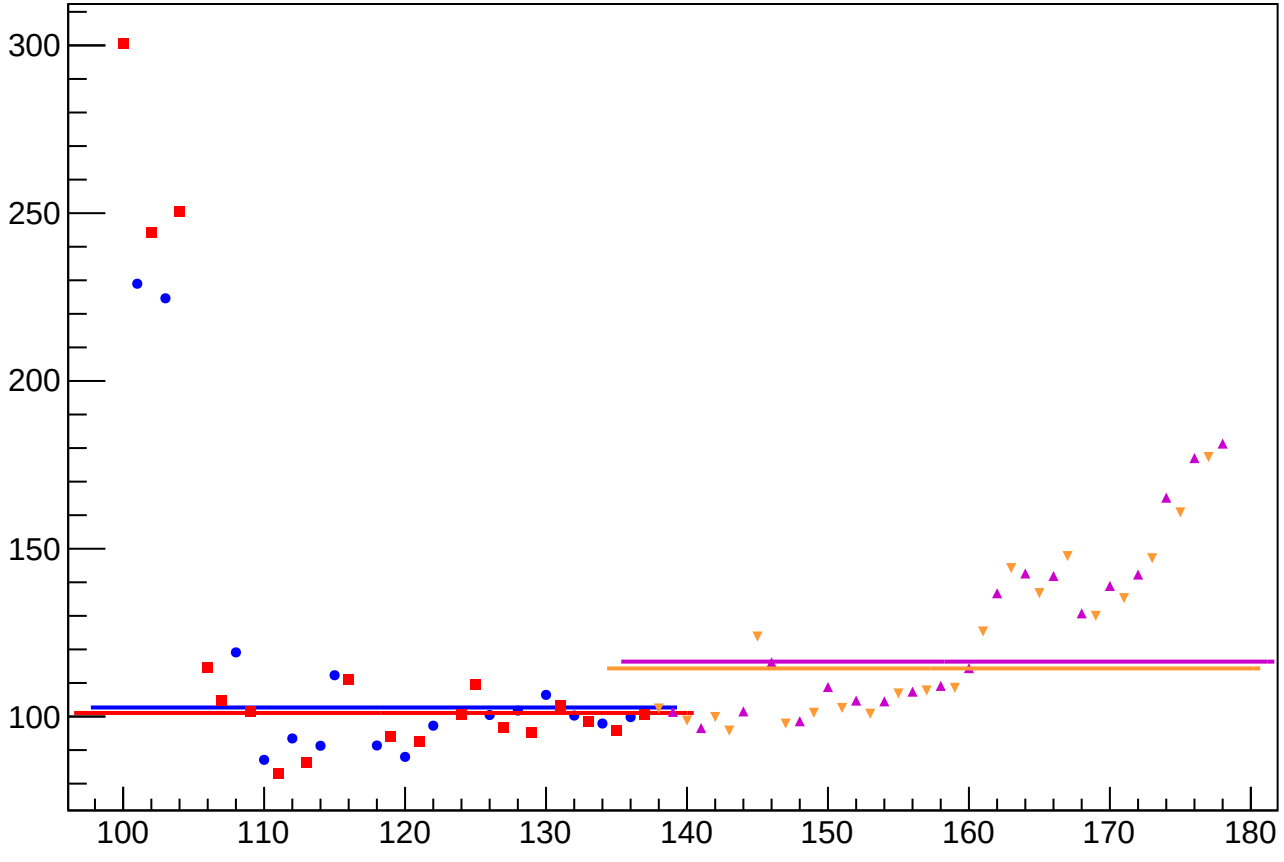
Right: -1830.238+/-28.298 χ^2/NDF: 30527.1/34

In: -3739.429+/-23.911 χ^2/NDF:41184.2/35

Out: -2790.830+/-23.194 χ^2/NDF:70718.1/39

All: -3250.688+/-16.649 χ^2/NDF: 112713.1/7

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: 116.361+/-0.021 χ^2/NDF:1000186.3/19

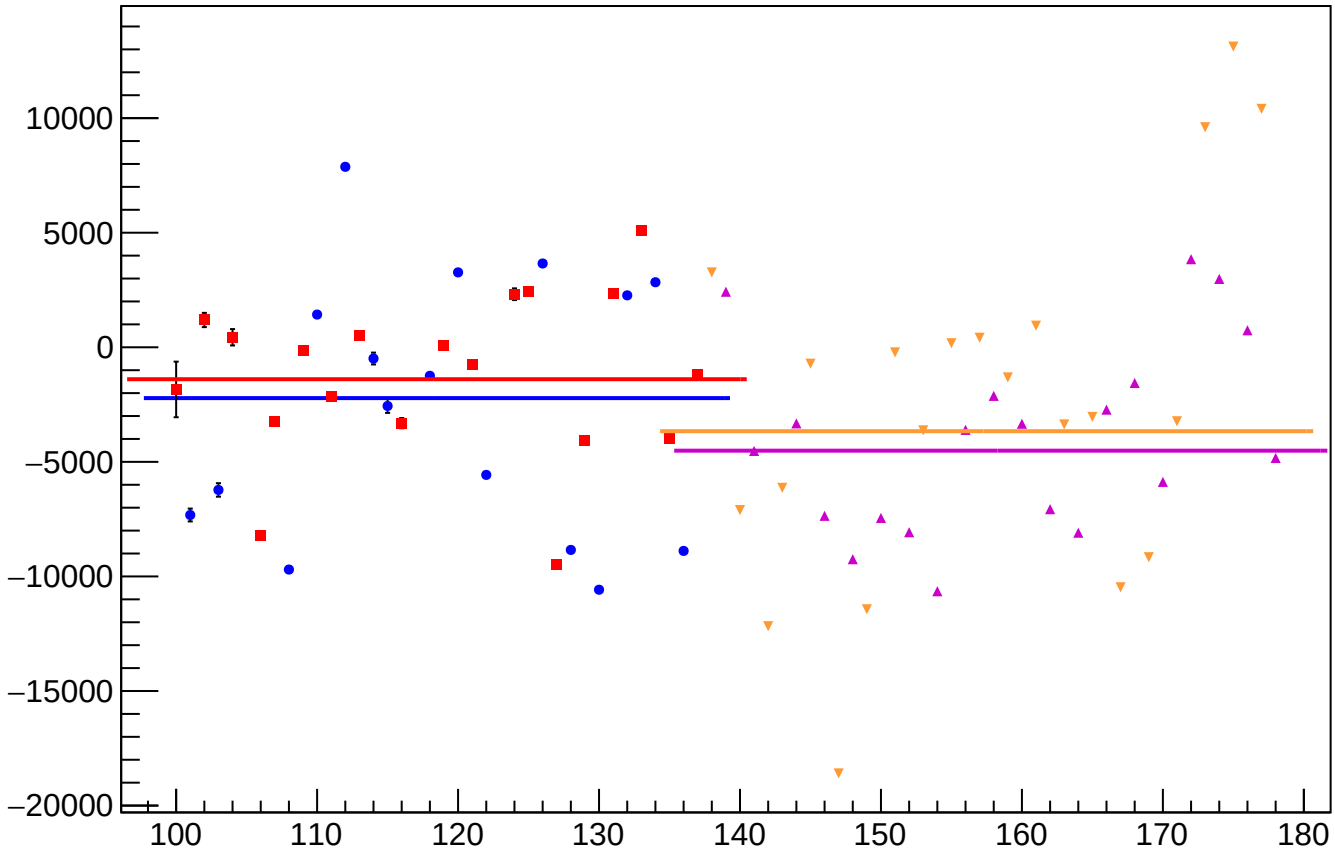
Left: 115.315+/-0.015 χ^2/NDF: 1970652.1/40

Right: 101.850+/-0.020 χ^2/NDF: 1757917.4/34

In: 111.651+/-0.017 χ^2/NDF:1973549.0/35

Out: 109.717+/-0.016 χ^2/NDF:2044362.3/39

All: 110.655+/-0.012 χ^2/NDF: 4024655.8/75



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: -4511.770+/-28.881 χ^2/NDF:18654.5/19

Left: -4075.132+/-20.141 χ^2/NDF: 83435.9/40

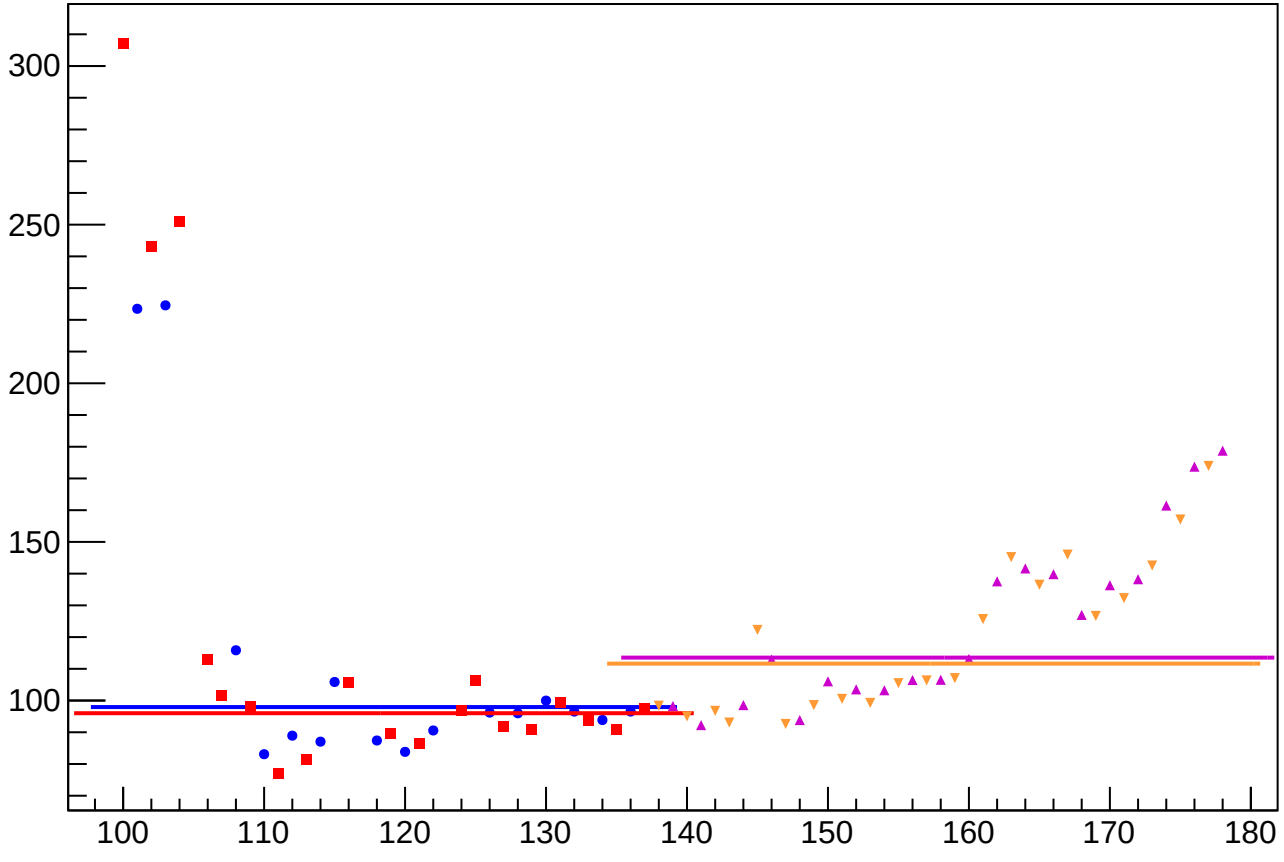
Right: -1790.108+/-27.074 χ^2/NDF: 32424.3/34

In: -3700.424+/-23.218 χ^2/NDF:43926.2/35

Out: -2848.235+/-22.506 χ^2/NDF:75824.9/39

All: -3261.053+/-16.160 χ^2/NDF: 120445.7/7

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: 113.532+/-0.020 χ^2/NDF:1062735.6/19

Left: 112.558+/-0.014 χ^2/NDF: 2105651.2/40

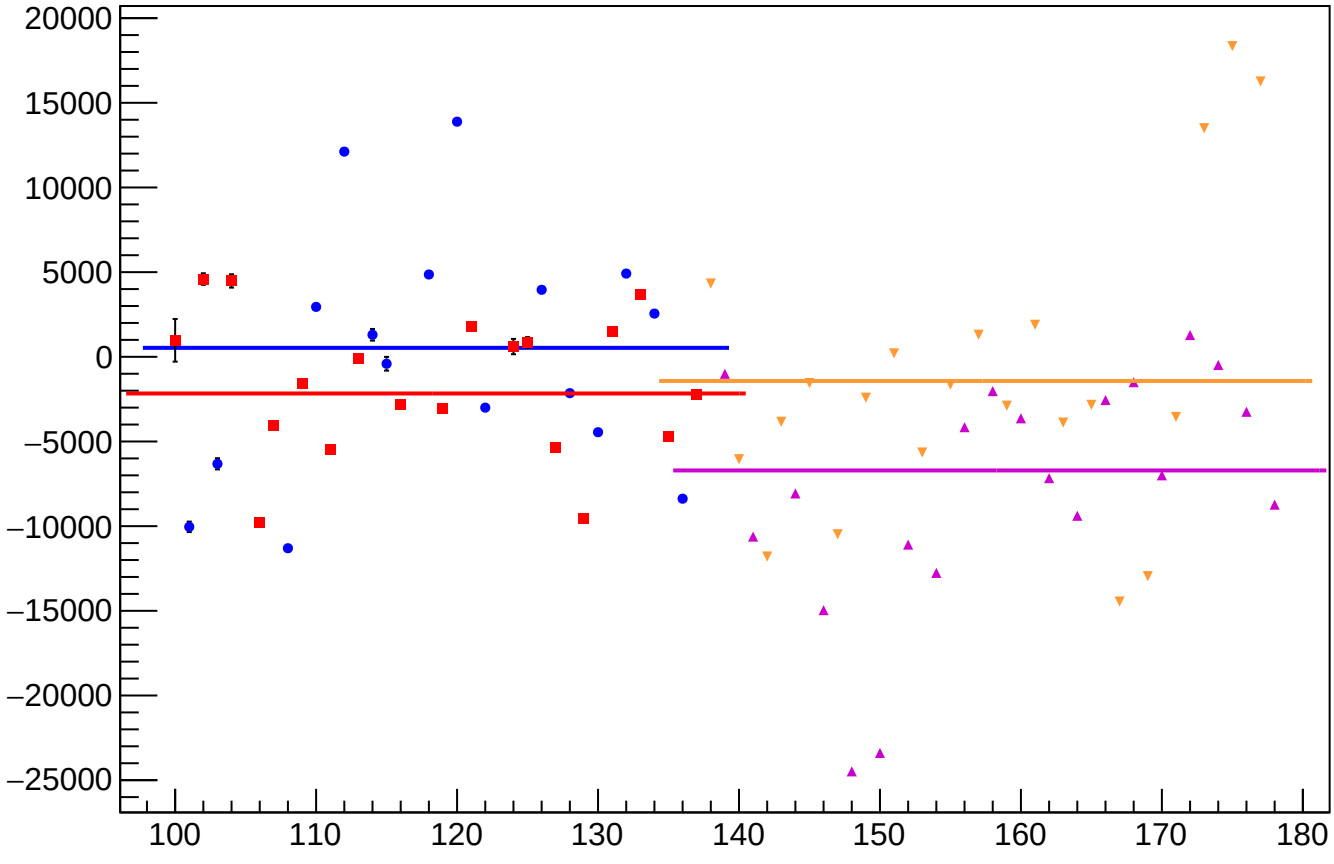
Right: 96.937+/-0.019 χ^2/NDF: 1882996.0/34

In: 108.018+/-0.016 χ^2/NDF:2136986.6/35

Out: 106.029+/-0.016 χ^2/NDF:2272663.4/39

All: 106.993+/-0.011 χ^2/NDF: 4417218.7/75

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: -6709.871+/-40.997 χ^2/NDF:20251.5/19

Left: -3965.547+/-28.418 χ^2/NDF: 66938.3/40

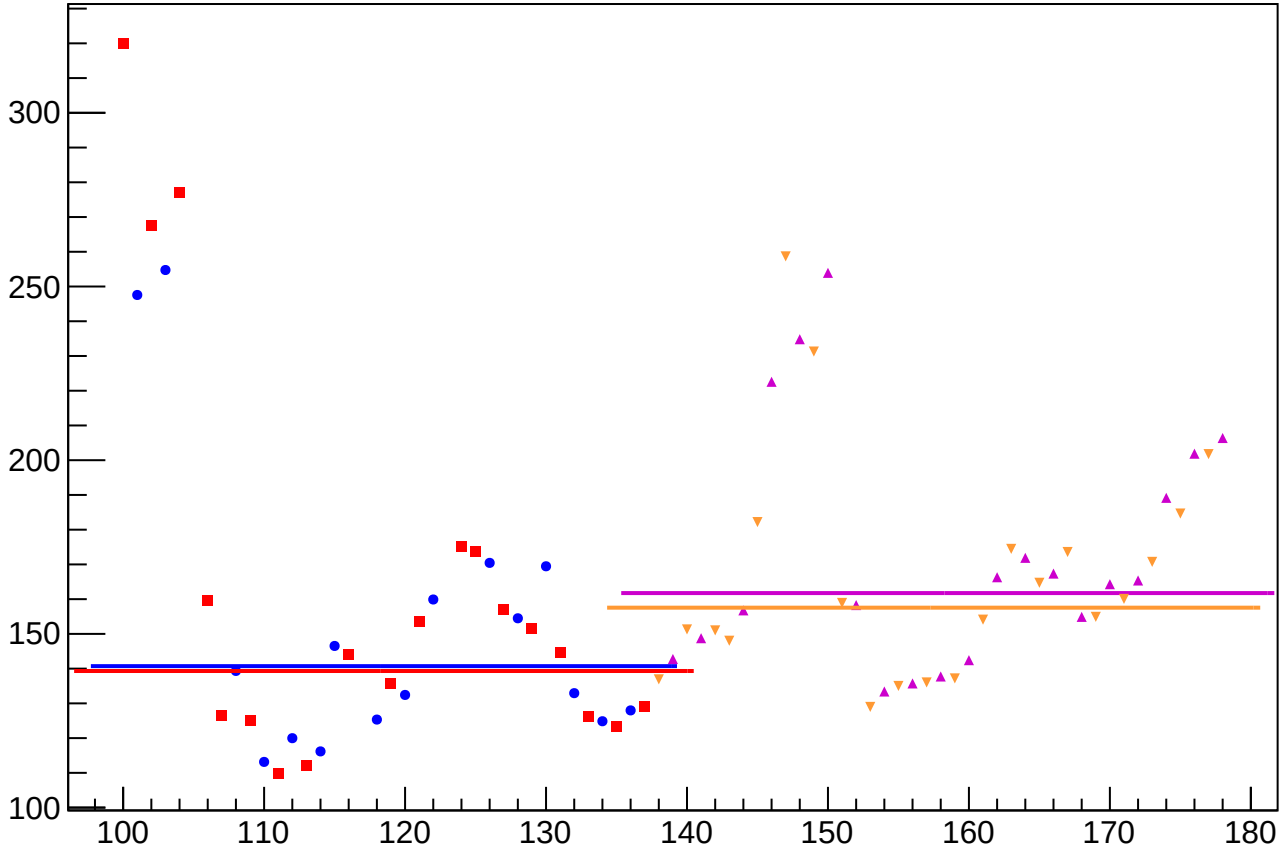
Right: -851.965+/-38.285 χ^2/NDF: 24793.2/34

In: -4114.989+/-32.839 χ^2/NDF:50017.4/35

Out: -1687.366+/-31.730 χ^2/NDF:43152.4/39

All: -2859.487+/-22.818 χ^2/NDF: 95996.0/75

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: 161.750+/-0.029 χ^2/NDF:961000.6/19

Left: 159.568+/-0.020 χ^2/NDF: 1826133.2/40

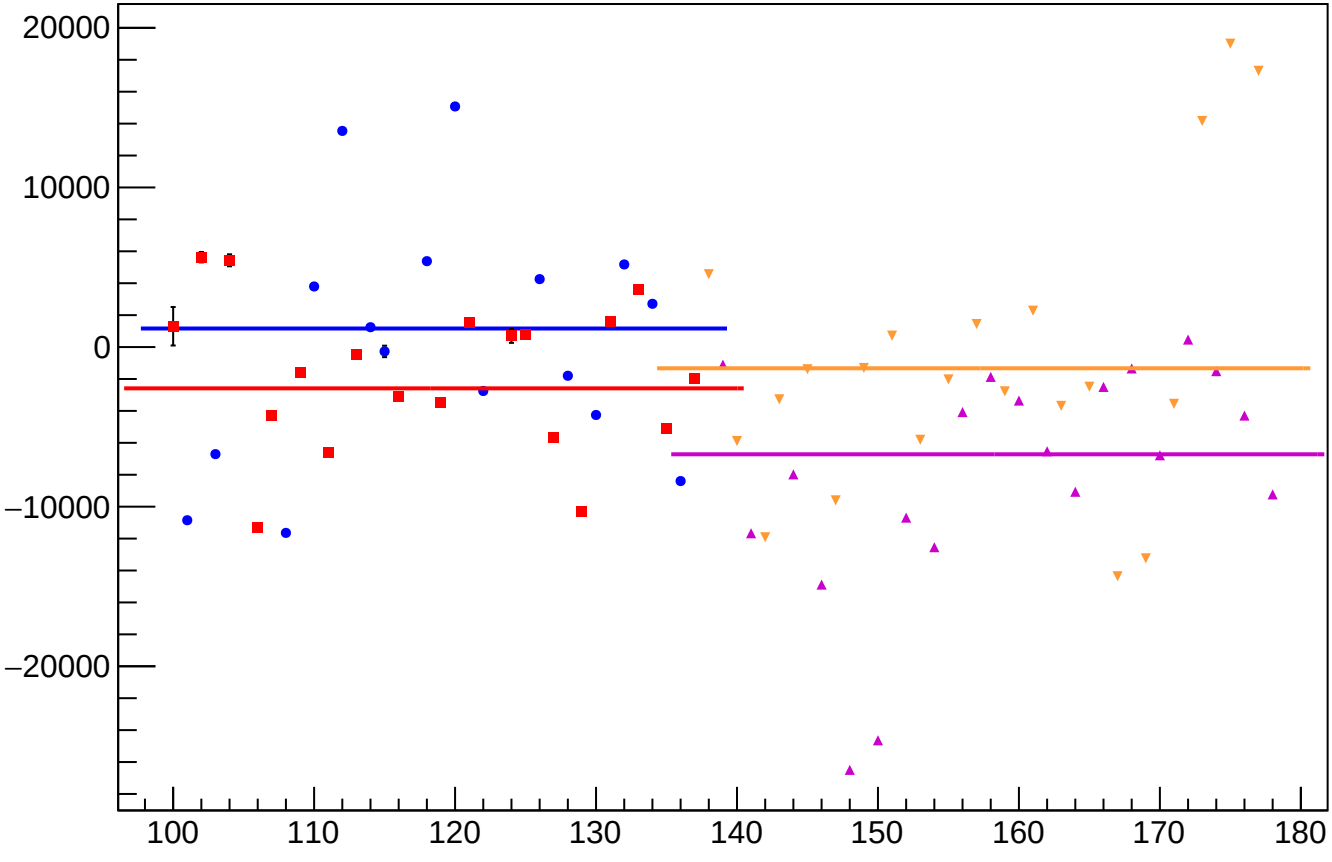
Right: 139.998+/-0.027 χ^2/NDF: 1478602.2/34

In: 154.211+/-0.023 χ^2/NDF:1825306.2/35

Out: 151.126+/-0.022 χ^2/NDF:1807235.0/39

All: 152.616+/-0.016 χ^2/NDF: 3641668.3/75

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



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: -6718.740+/-36.641 χ^2/NDF:25328.0/19

Left: -3908.137+/-25.347 χ^2/NDF: 84218.0/40

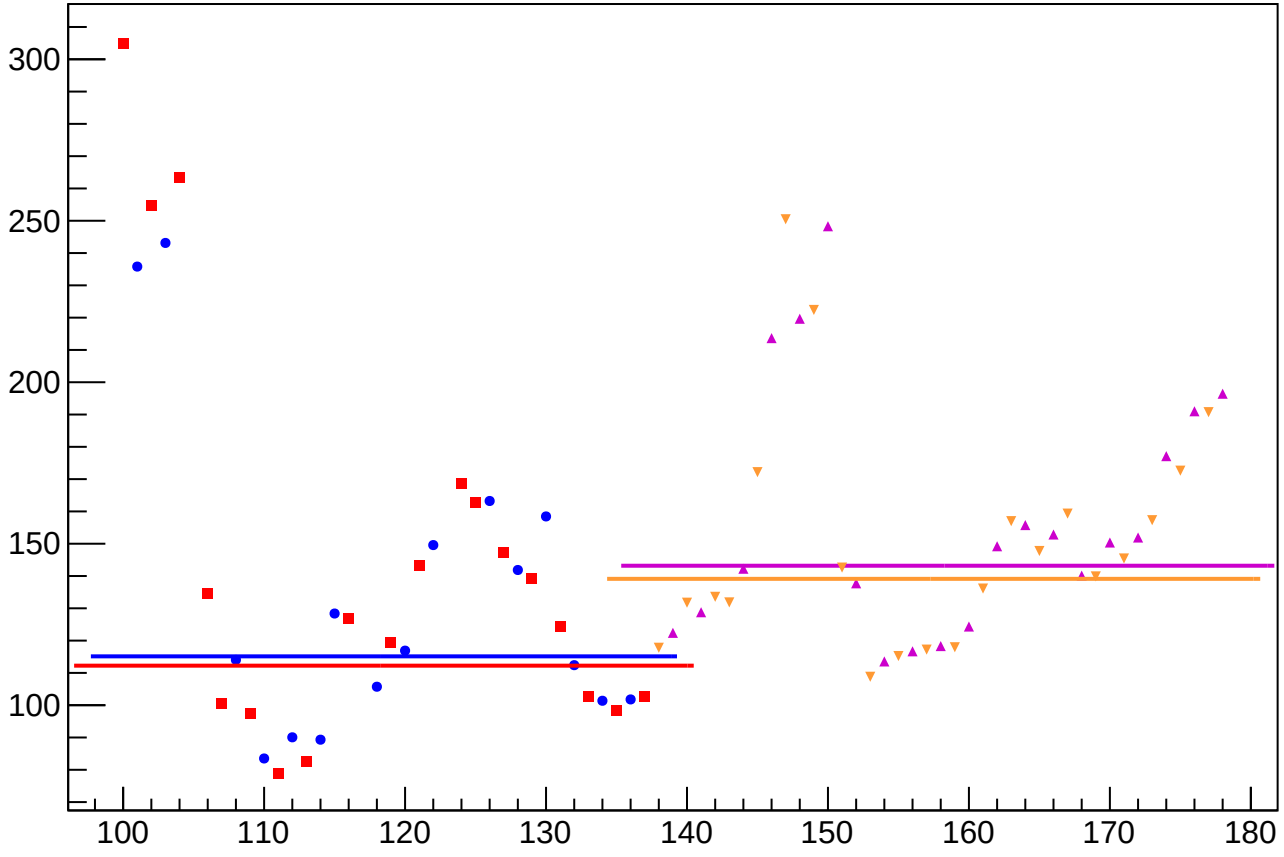
Right: -781.454+/-31.869 χ^2/NDF: 42310.2/34

In: -3653.437+/-28.643 χ^2/NDF:74077.3/35

Out: -1814.715+/-27.501 χ^2/NDF:56202.7/39

All: -2696.663+/-19.838 χ^2/NDF: 132424.2/7

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: 143.185+/-0.026 χ^2/NDF:1373326.8/19

Left: 141.067+/-0.018 χ^2/NDF: 2626937.4/40

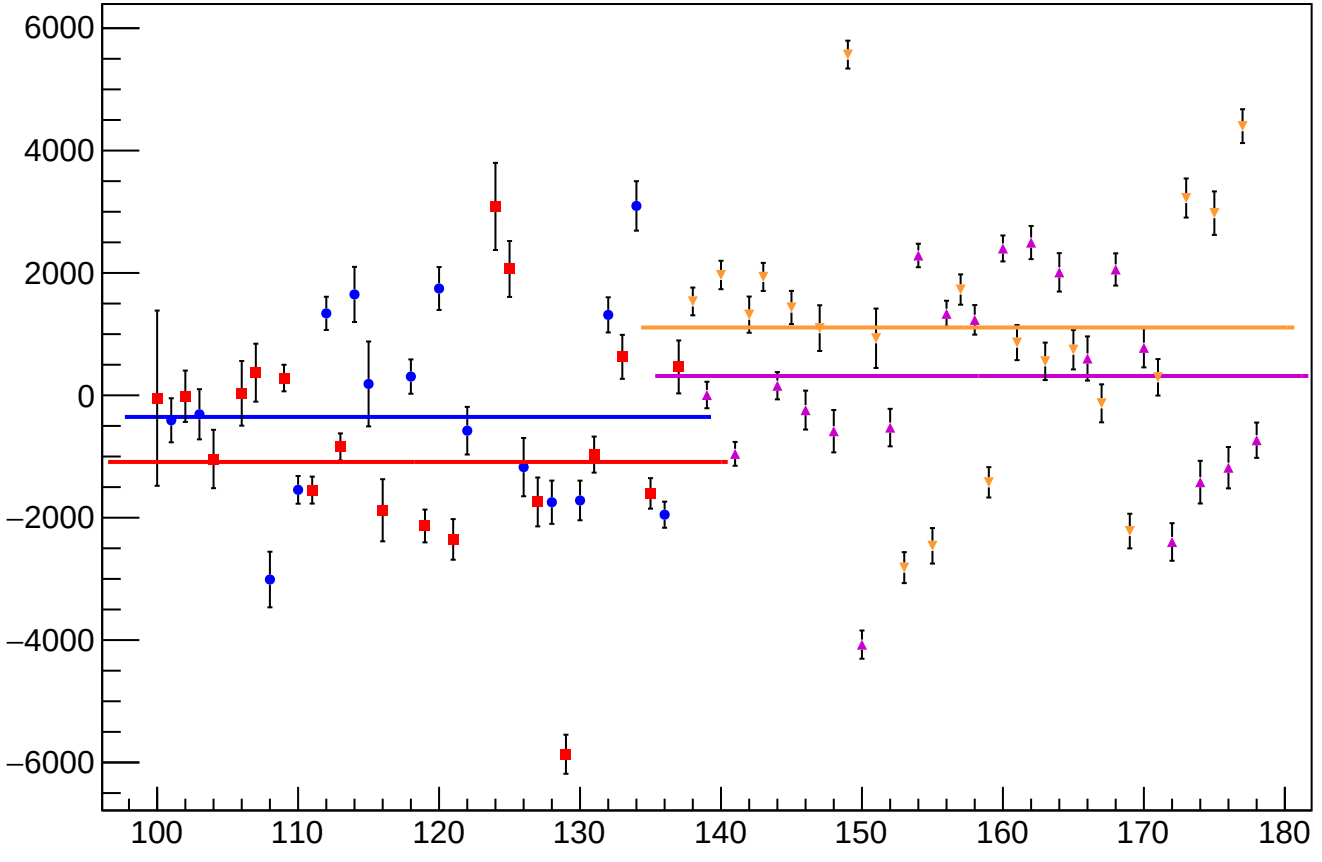
Right: 113.630+/-0.023 χ^2/NDF: 2445233.6/34

In: 132.272+/-0.020 χ^2/NDF:2942456.0/35

Out: 128.743+/-0.019 χ^2/NDF:3021927.5/39

All: 130.436+/-0.014 χ^2/NDF: 5980180.9/75

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: 316.167+/-57.804 χ^2/NDF:940.3/19

Left: 692.143+/-41.912 χ^2/NDF: 2326.5/40

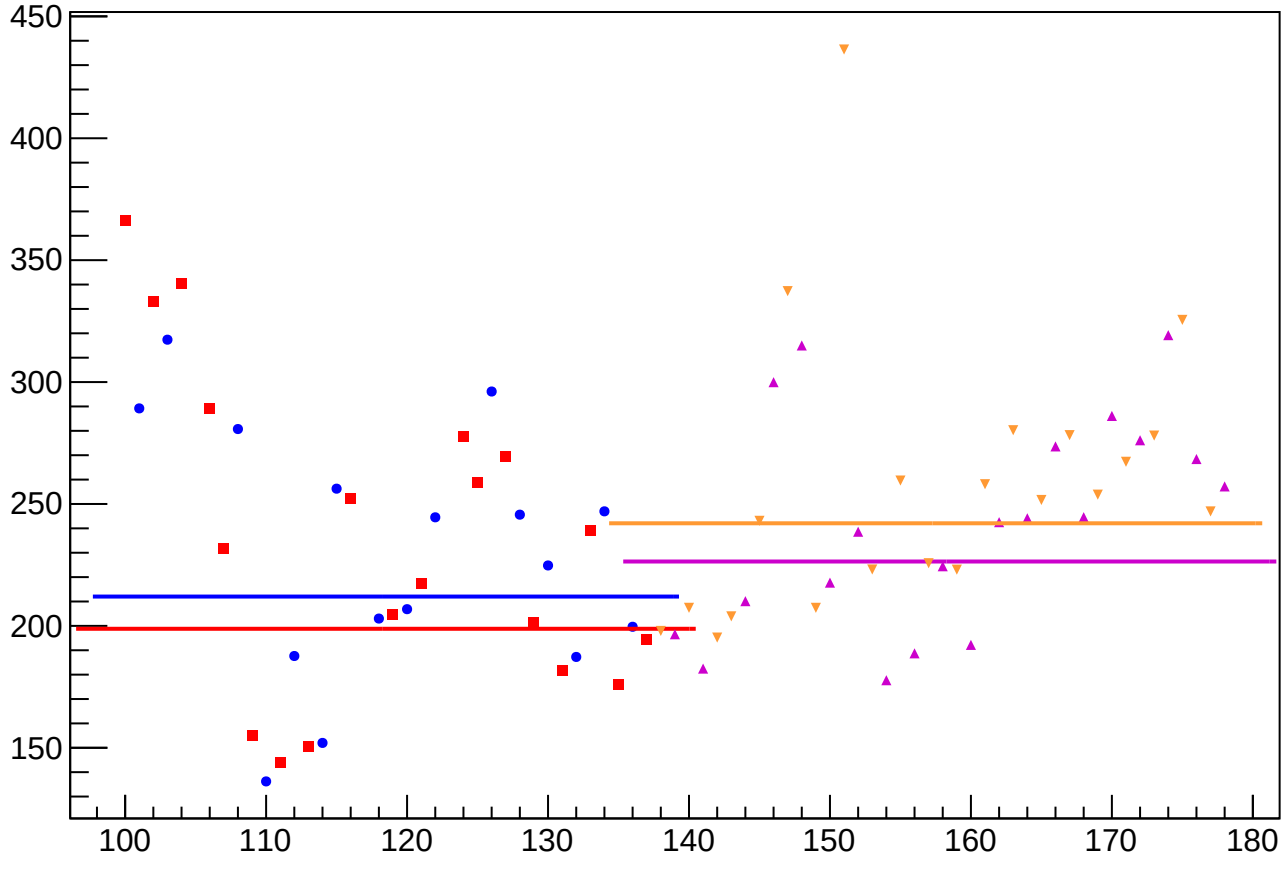
Right: -747.310+/-55.958 χ^2/NDF: 852.0/34

In: 94.478+/-47.271 χ^2/NDF:1346.5/35

Out: 256.362+/-47.612 χ^2/NDF:2250.1/39

All: 174.838+/-33.546 χ^2/NDF: 3602.4/75

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: 226.403+/-0.041 χ^2/NDF:1012468.4/19

Left: 233.838+/-0.030 χ^2/NDF: 2064136.7/40

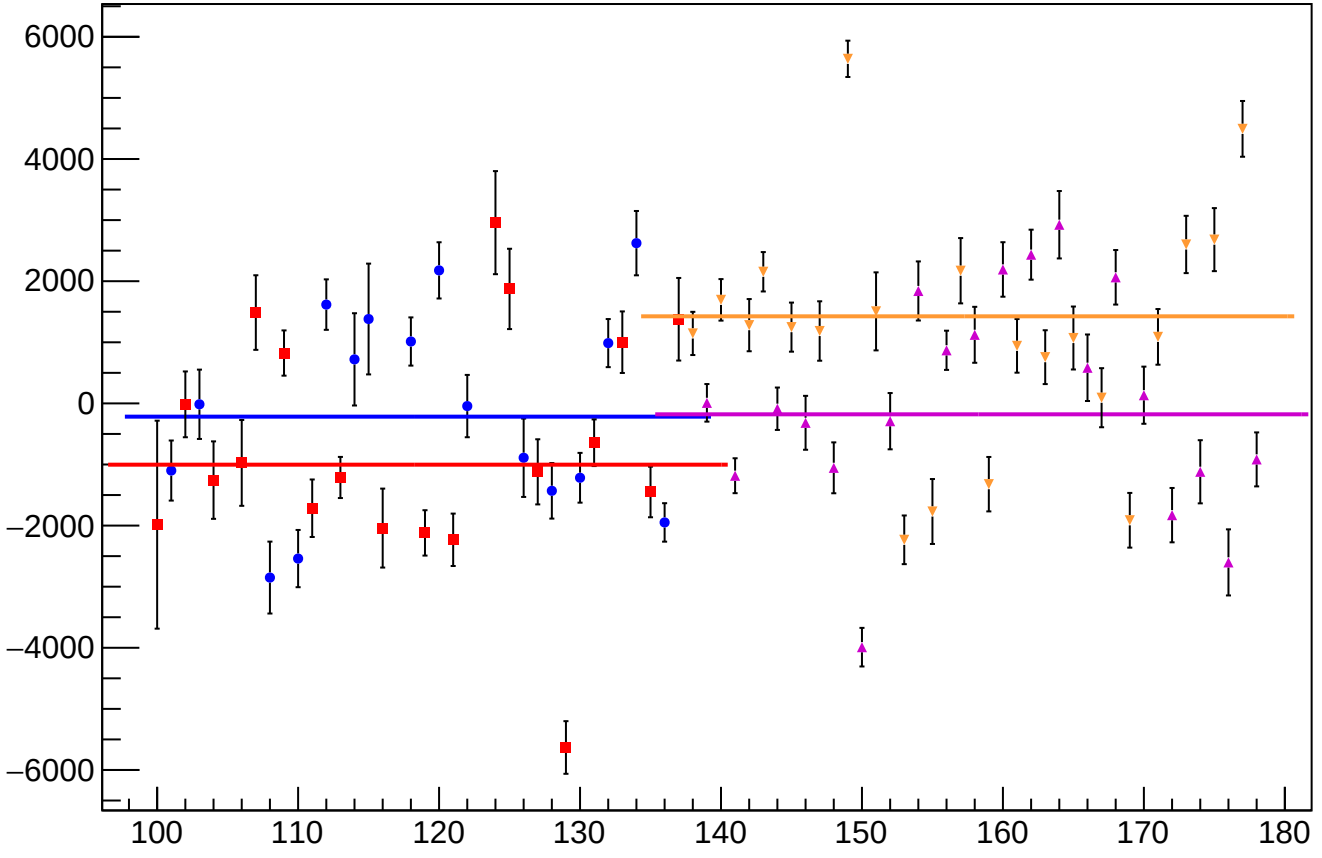
Right: 204.945+/-0.040 χ^2/NDF: 1693041.6/34

In: 221.641+/-0.033 χ^2/NDF:1743799.0/35

Out: 225.294+/-0.034 χ^2/NDF:2349050.4/39

All: 223.455+/-0.024 χ^2/NDF: 4098777.3/75

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: -178.721+/-91.247 χ^2/NDF:367.5/19

Left: 608.017+/-65.132 χ^2/NDF: 1012.4/40

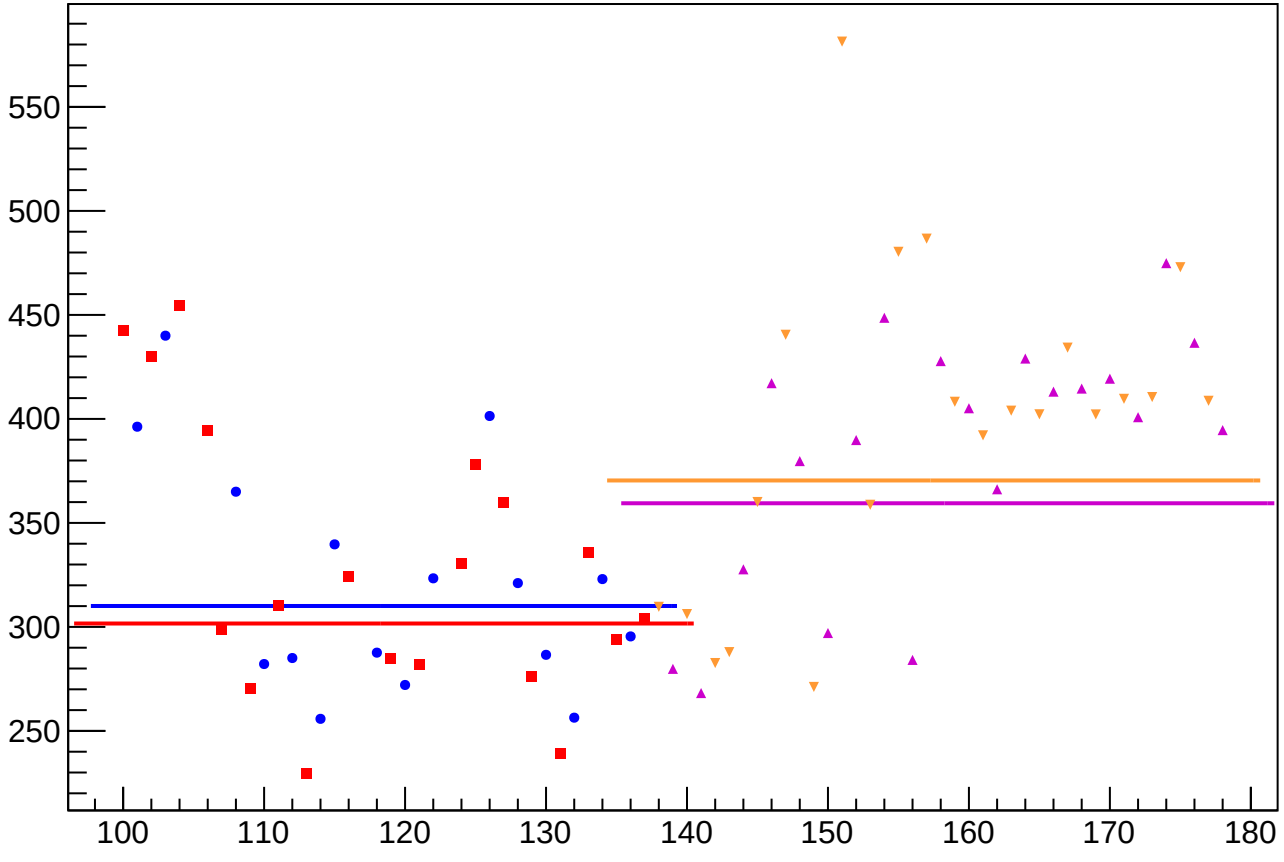
Right: -626.246+/-81.618 χ^2/NDF: 469.7/34

In: -193.042+/-72.157 χ^2/NDF:559.7/35

Out: 445.822+/-71.836 χ^2/NDF:1022.7/39

All: 127.816+/-50.909 χ^2/NDF: 1621.8/75

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: 359.446+/-0.065 χ^2/NDF:1009584.1/19

Left: 364.823+/-0.046 χ^2/NDF: 2241740.1/40

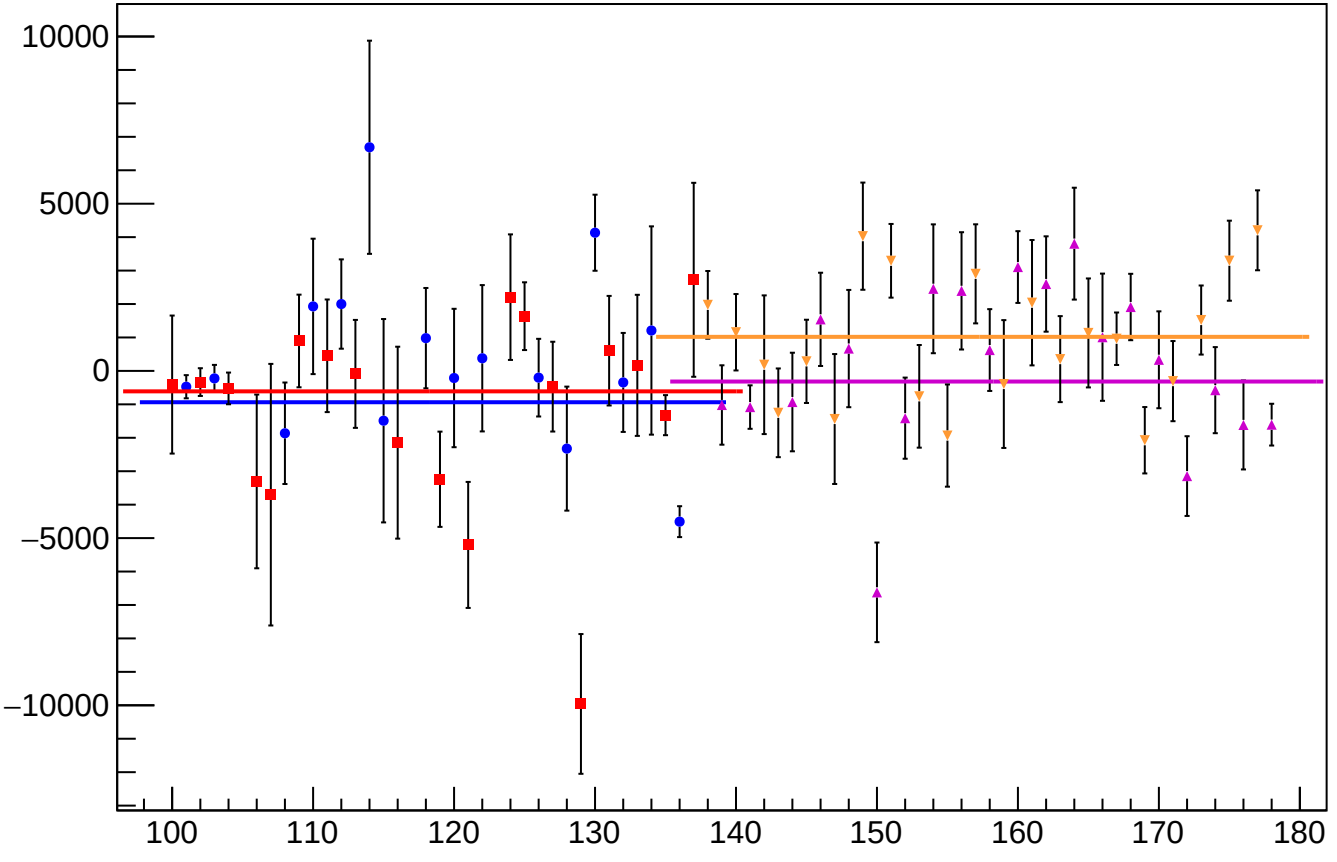
Right: 305.675+/-0.058 χ^2/NDF: 848490.9/34

In: 340.944+/-0.051 χ^2/NDF:1552344.8/35

Out: 342.671+/-0.051 χ^2/NDF:2179022.8/39

All: 341.811+/-0.036 χ^2/NDF: 3731942.7/75

asym_bpm0l03WS_mean vs Slug, Sign Corrected



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: -317.945+/-260.918 χ^2/NDF:64.8/19

Left: 314.208+/-189.411 χ^2/NDF: 120.7/40

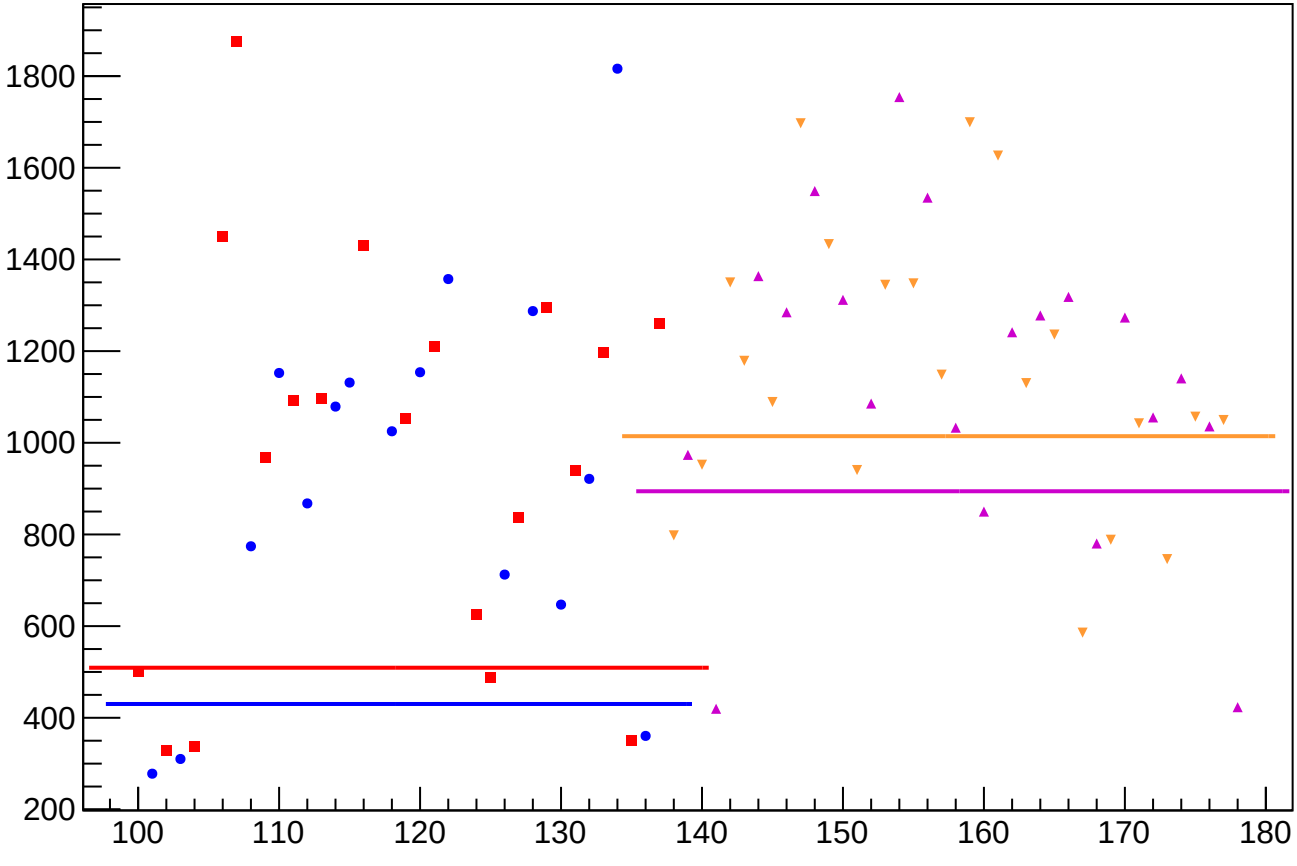
Right: -795.339+/-153.831 χ^2/NDF: 146.4/34

In: -701.087+/-161.059 χ^2/NDF:169.5/35

Out: 68.881+/-177.944 χ^2/NDF:108.0/39

All: -354.358+/-119.411 χ^2/NDF: 287.8/75

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: 894.235+/-0.184 χ^2/NDF:4371225.9/19

Left: 951.077+/-0.134 χ^2/NDF: 6720276.2/40

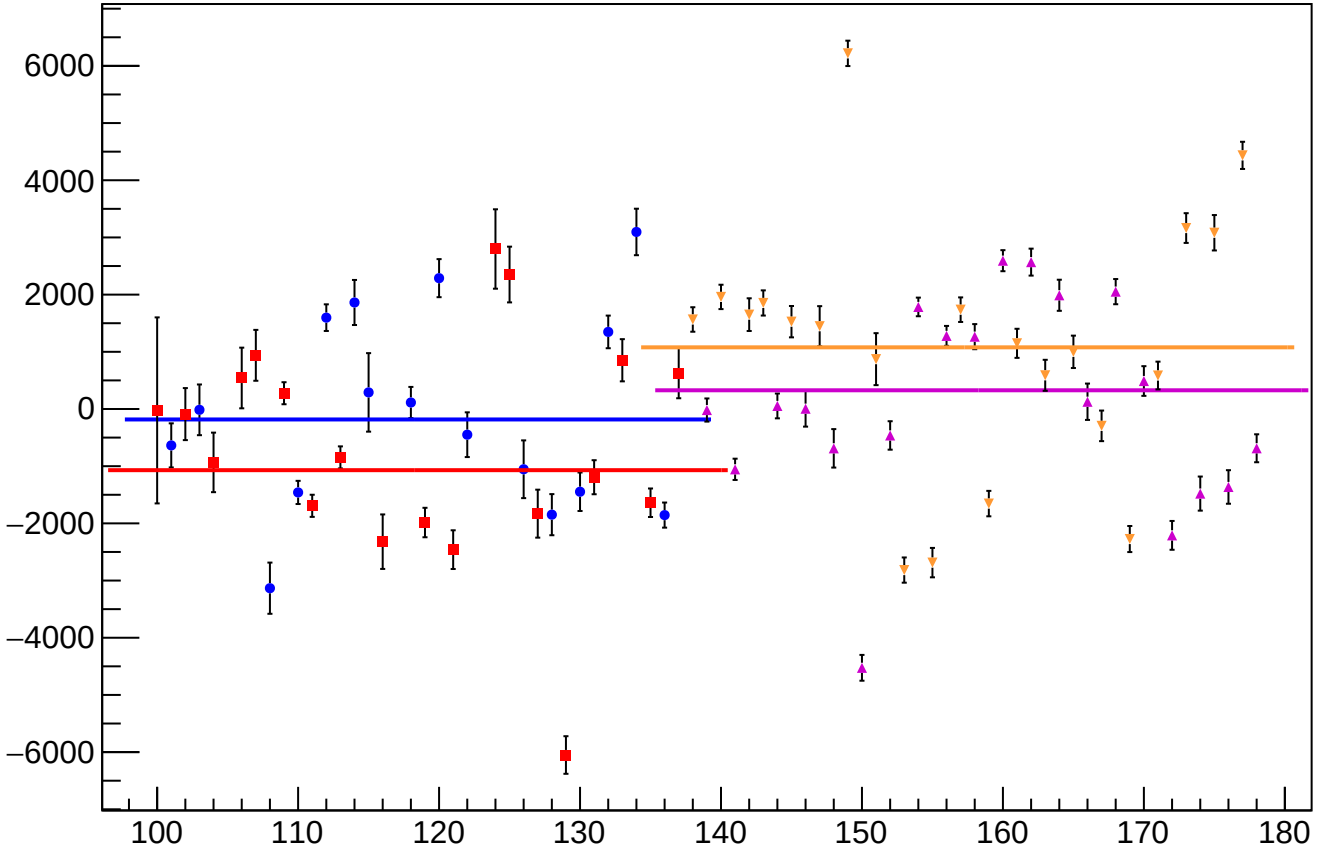
Right: 464.557+/-0.109 χ^2/NDF: 7325362.7/34

In: 606.958+/-0.114 χ^2/NDF:11810127.5/35

Out: 720.129+/-0.126 χ^2/NDF:9741749.7/39

All: 657.921+/-0.084 χ^2/NDF: 21996552.1/75

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: 327.164+/-51.127 χ^2/NDF:1200.9/19

Left: 678.087+/-37.317 χ^2/NDF: 3123.4/40

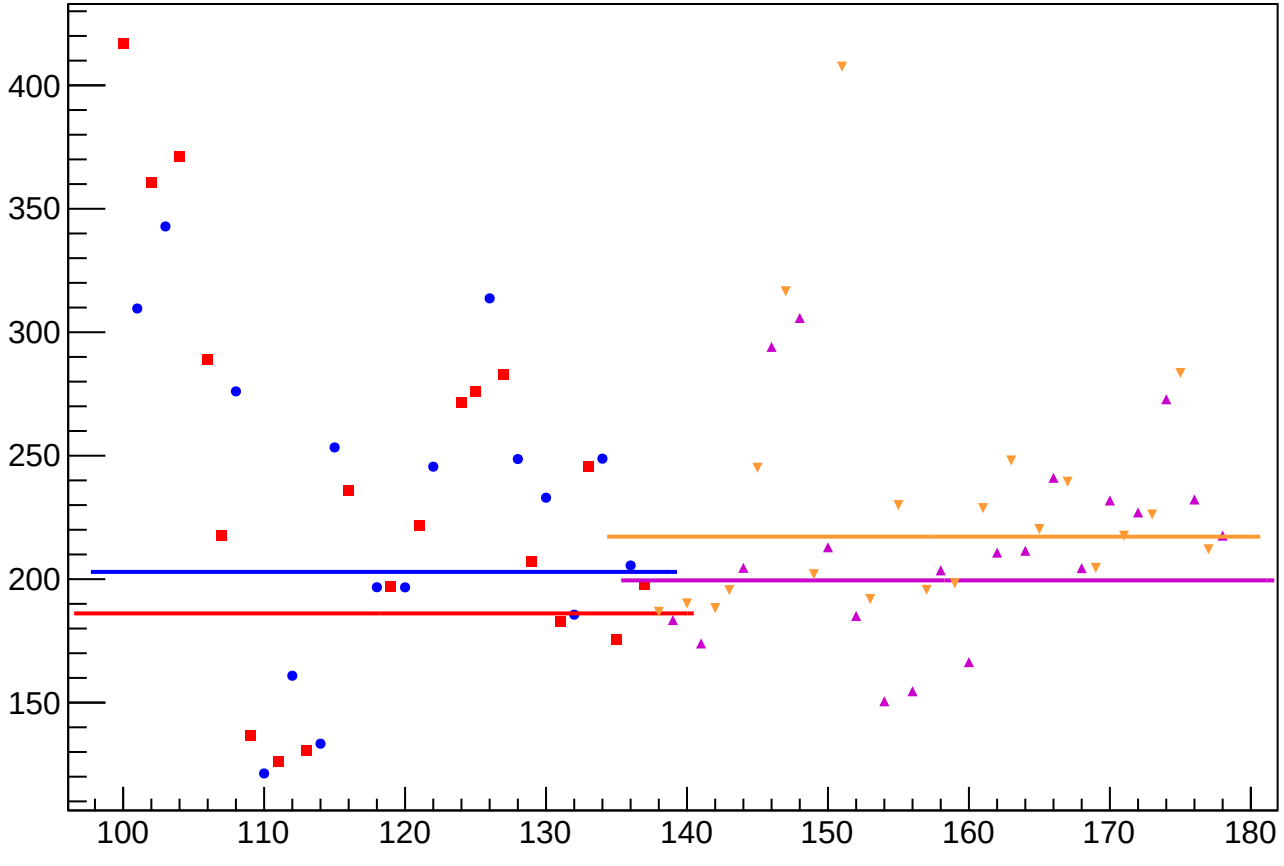
Right: -665.741+/-53.906 χ^2/NDF: 977.1/34

In: 178.857+/-43.059 χ^2/NDF:1647.5/35

Out: 308.611+/-43.732 χ^2/NDF:2868.6/39

All: 242.728+/-30.683 χ^2/NDF: 4520.6/75

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: 199.501+/-0.036 χ^2/NDF:1081415.7/19

Left: 207.776+/-0.026 χ^2/NDF: 2058553.0/40

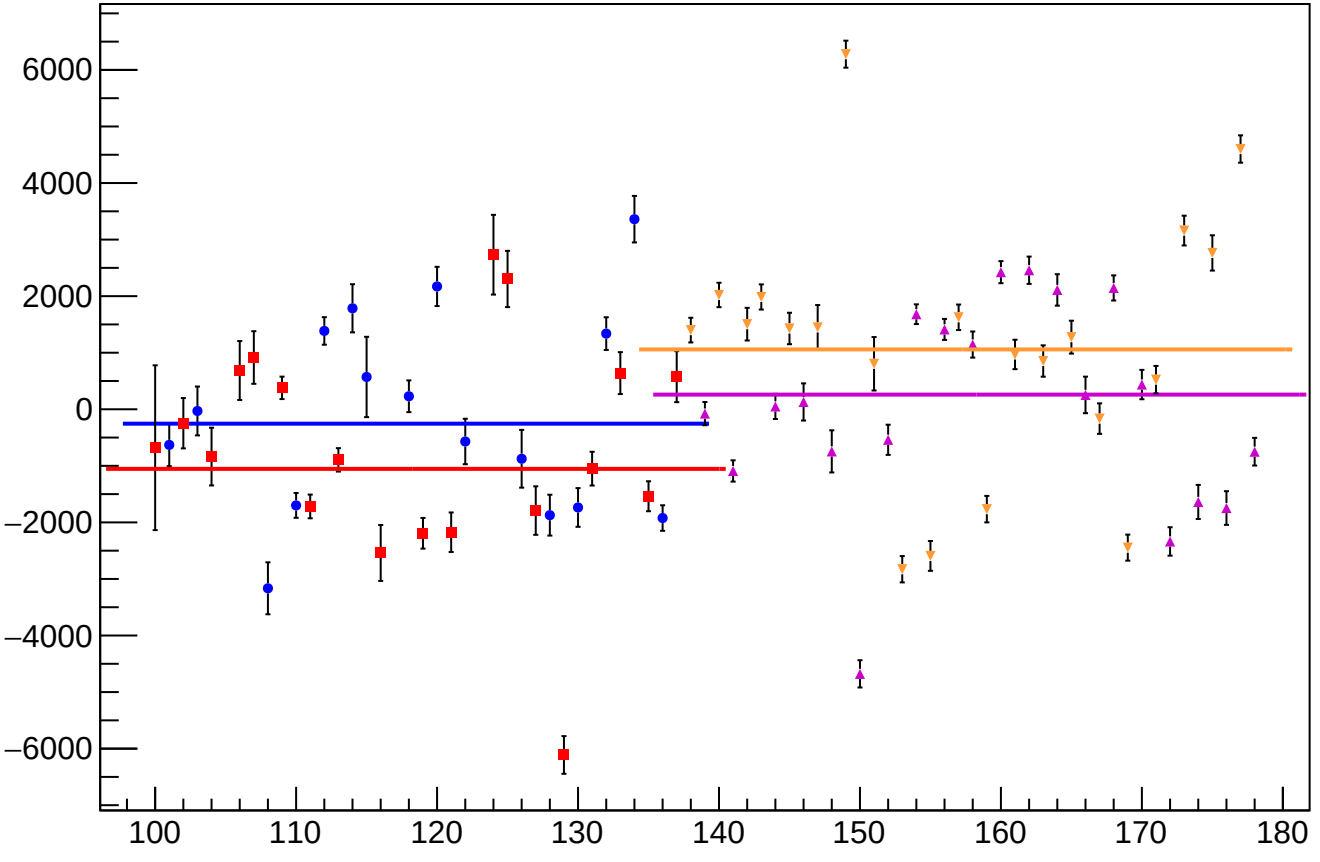
Right: 193.789+/-0.038 χ^2/NDF: 2601774.8/34

In: 200.501+/-0.030 χ^2/NDF:2155908.0/35

Out: 206.074+/-0.031 χ^2/NDF:2578950.2/39

All: 203.244+/-0.022 χ^2/NDF: 4751351.9/75

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: 259.385+/-52.946 χ^2/NDF:1143.4/19

Left: 635.886+/-38.496 χ^2/NDF: 2963.5/40

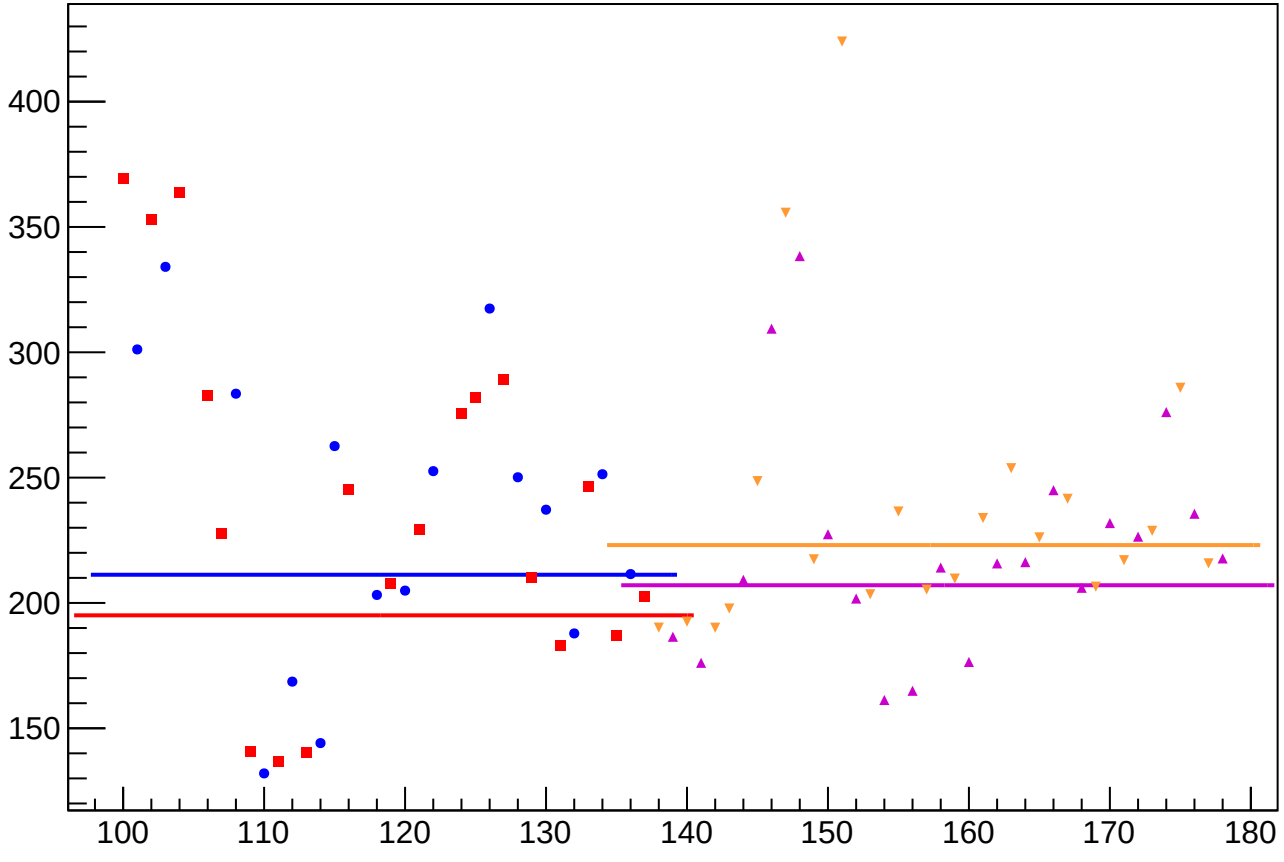
Right: -686.933+/-55.882 χ^2/NDF: 937.7/34

In: 109.458+/-44.557 χ^2/NDF:1580.2/35

Out: 313.396+/-45.114 χ^2/NDF:2690.7/39

All: 210.161+/-31.702 χ^2/NDF: 4281.3/75

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: 207.063+/-0.037 χ^2/NDF:1013710.5/19

Left: 214.614+/-0.027 χ^2/NDF: 2014635.1/40

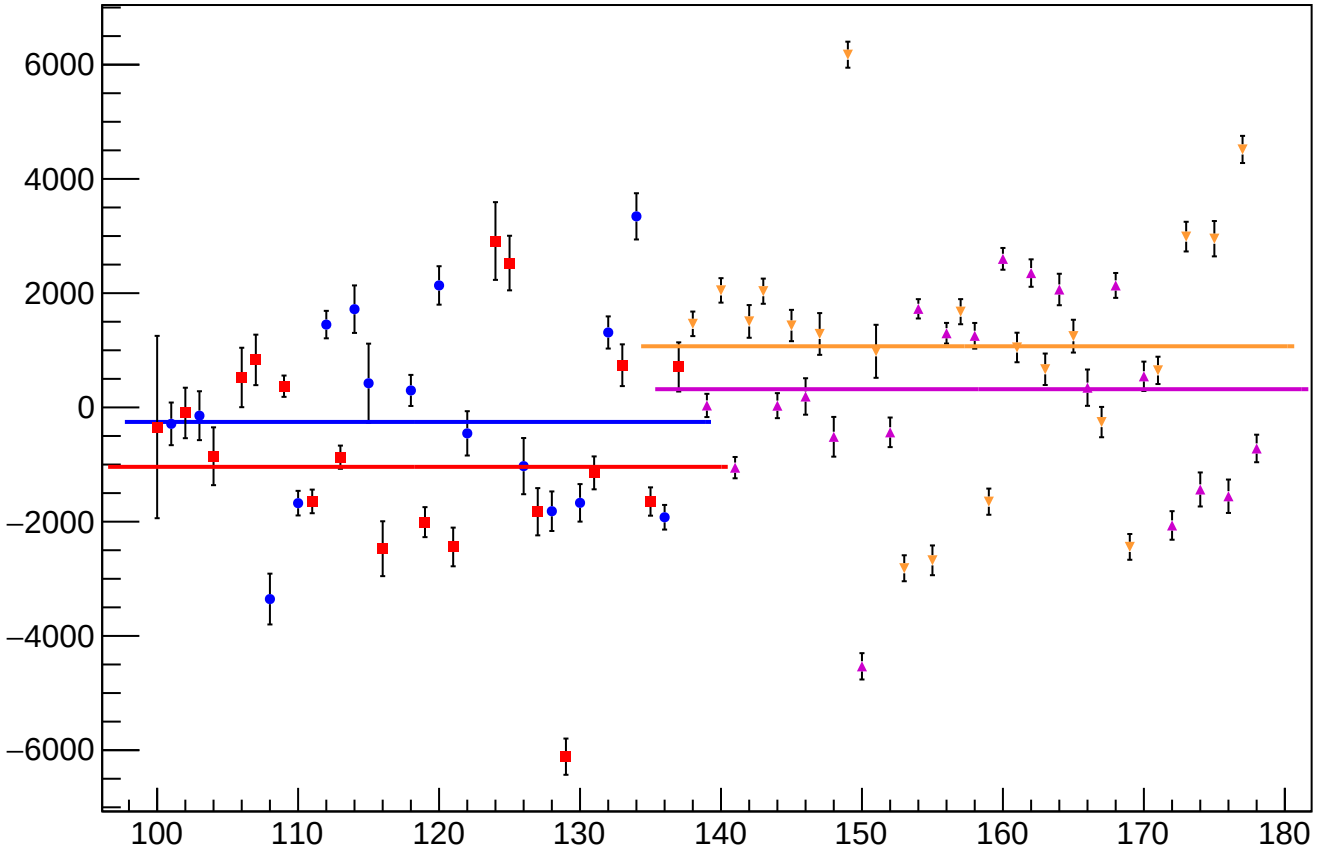
Right: 202.492+/-0.040 χ^2/NDF: 2210941.3/34

In: 208.286+/-0.032 χ^2/NDF:1901729.9/35

Out: 213.201+/-0.032 χ^2/NDF:2375649.0/39

All: 210.713+/-0.022 χ^2/NDF: 4289399.5/75

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: 319.082+/-51.888 χ^2/NDF:1141.9/19

Left: 672.179+/-37.776 χ^2/NDF: 3012.3/40

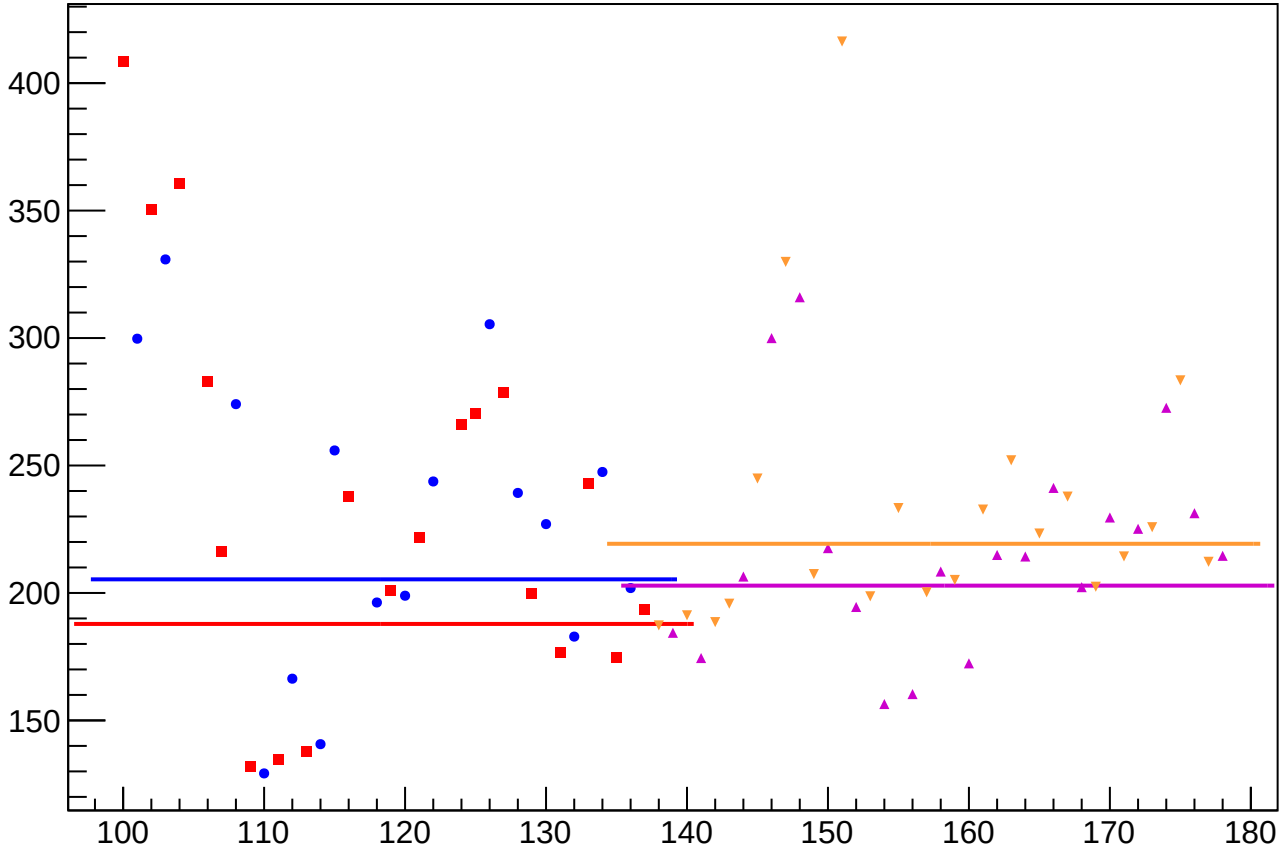
Right: -682.251+/-54.138 χ^2/NDF: 1017.8/34

In: 150.036+/-43.569 χ^2/NDF:1610.0/35

Out: 309.086+/-44.059 χ^2/NDF:2834.5/39

All: 228.670+/-30.980 χ^2/NDF: 4451.0/75

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: 202.876+/-0.037 χ^2/NDF:993049.2/19

Left: 210.591+/-0.027 χ^2/NDF: 1967680.0/40

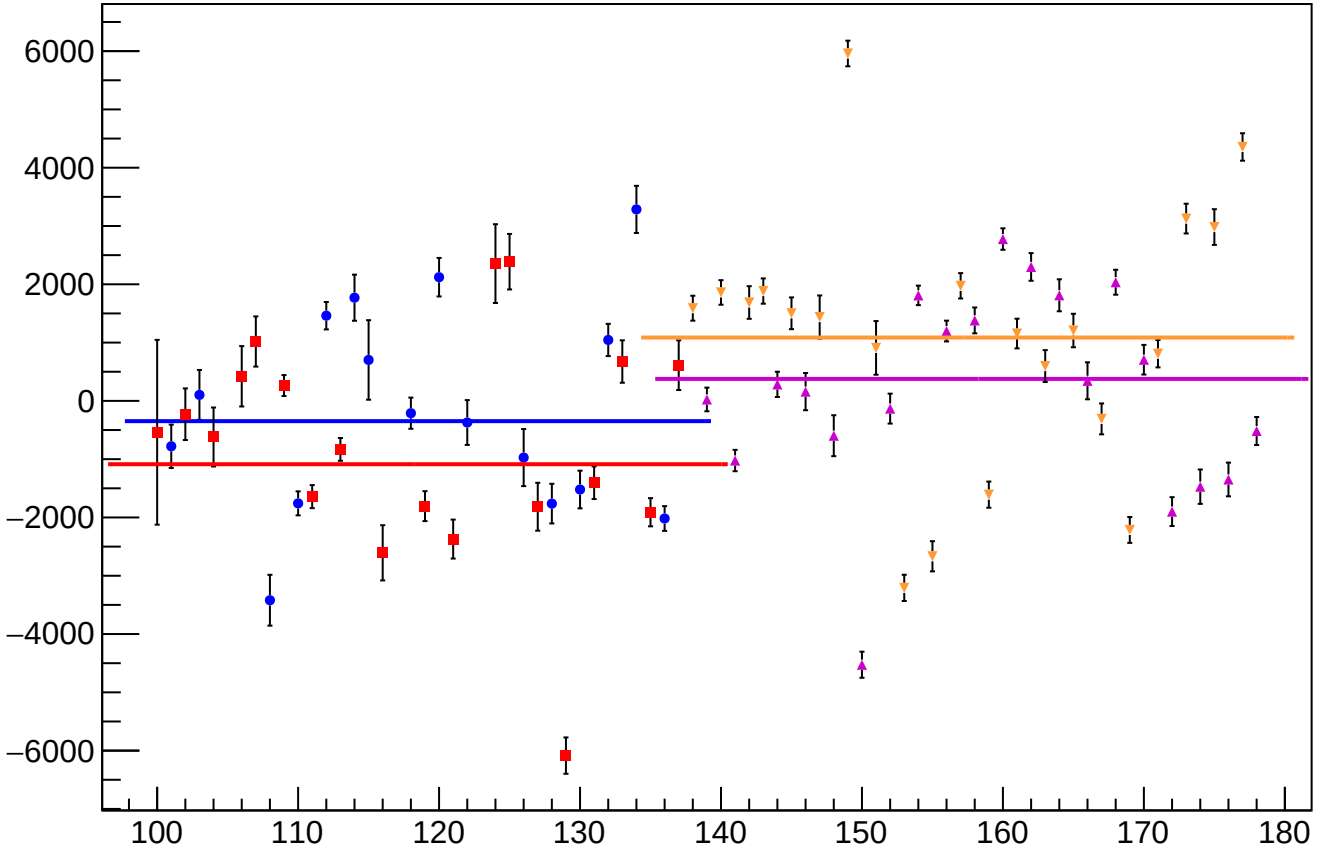
Right: 195.815+/-0.038 χ^2/NDF: 2266235.0/34

In: 203.603+/-0.031 χ^2/NDF:1871779.1/35

Out: 207.951+/-0.031 χ^2/NDF:2452491.2/39

All: 205.753+/-0.022 χ^2/NDF: 4334117.3/75

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: 376.776+/-51.238 χ^2/NDF:1166.8/19

Left: 710.466+/-37.296 χ^2/NDF: 3073.2/40

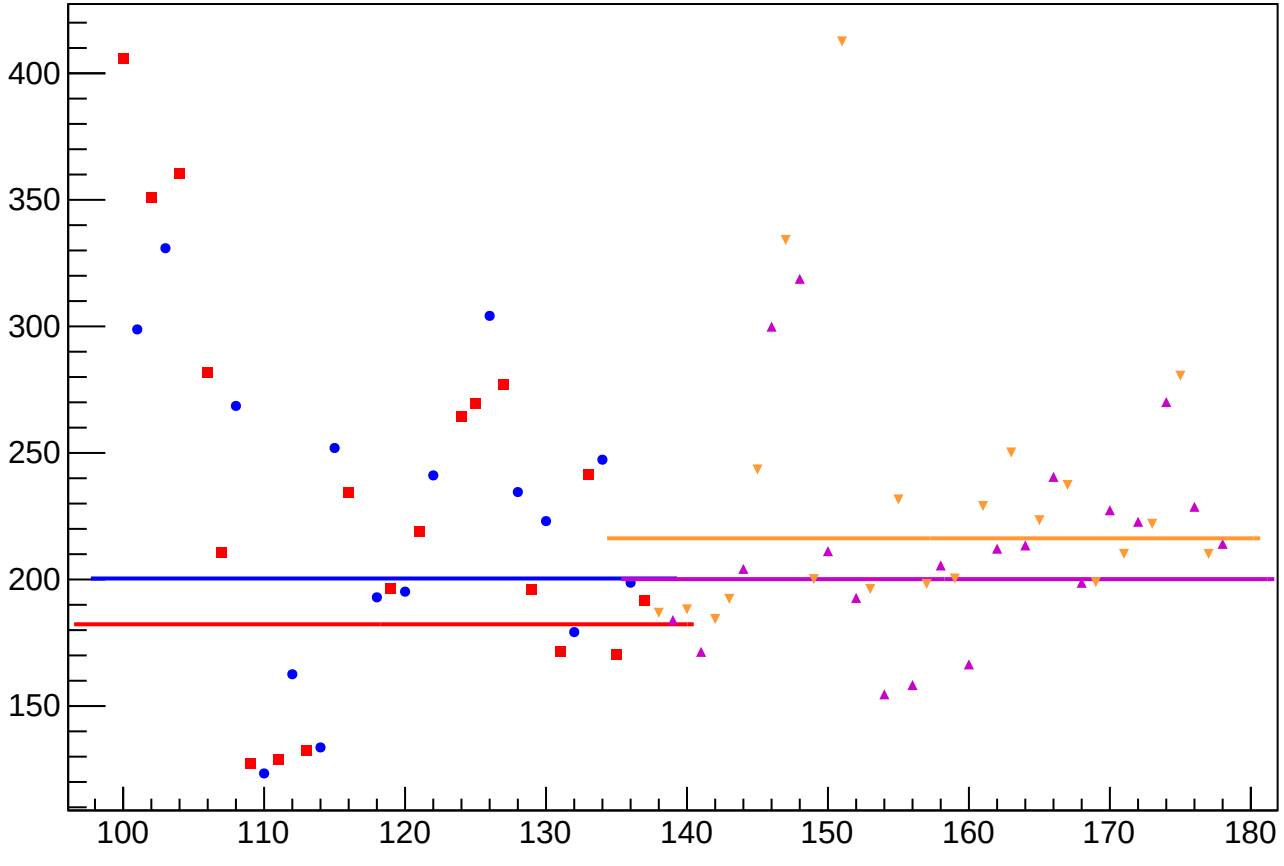
Right: -751.676+/-52.896 χ^2/NDF: 1021.4/34

In: 160.605+/-42.918 χ^2/NDF:1672.2/35

Out: 290.425+/-43.299 χ^2/NDF:2928.2/39

All: 224.941+/-30.481 χ^2/NDF: 4604.9/75

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: 200.149+/-0.036 χ^2/NDF:1040564.9/19

Left: 207.725+/-0.026 χ^2/NDF: 2054678.1/40

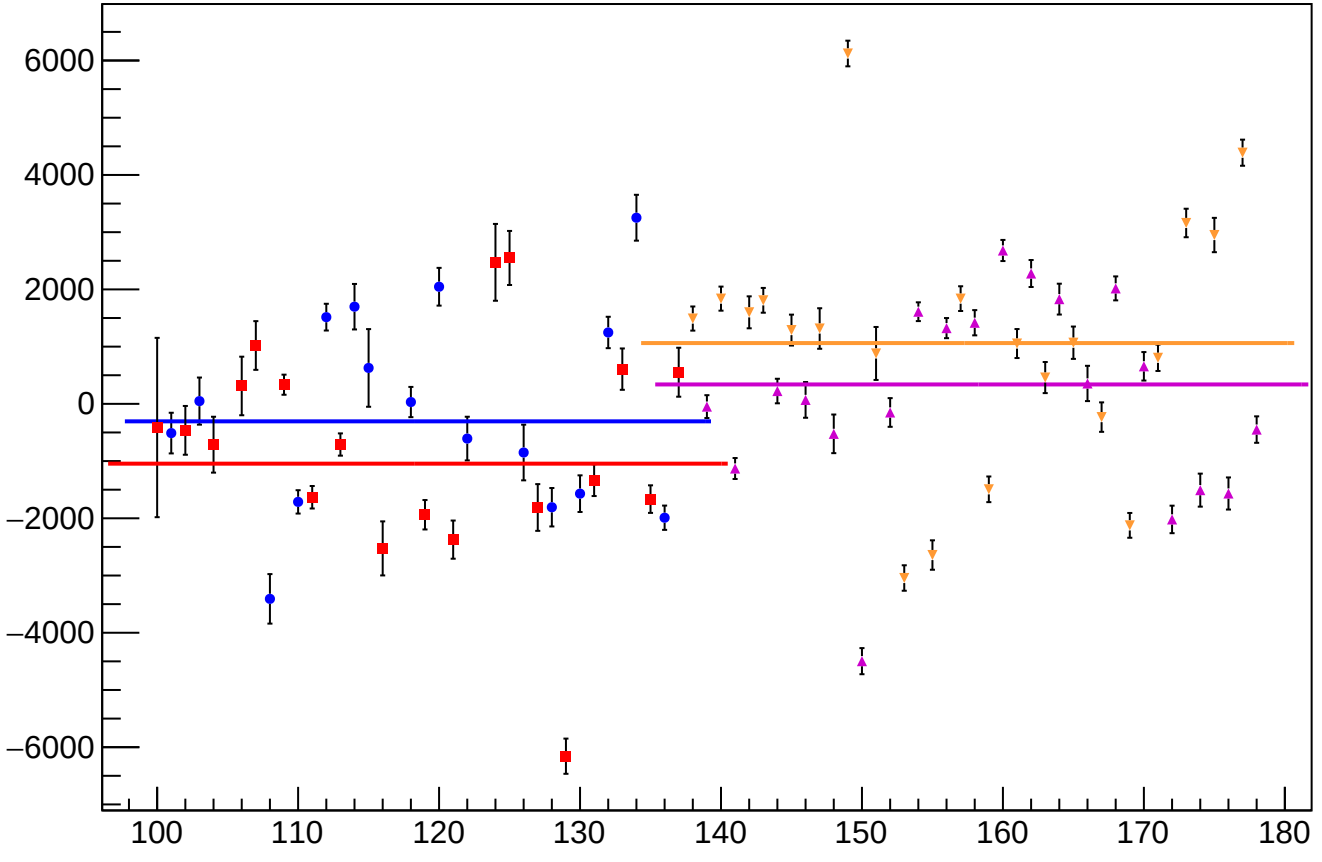
Right: 190.505+/-0.037 χ^2/NDF: 2464212.0/34

In: 200.224+/-0.030 χ^2/NDF:1999579.9/35

Out: 203.822+/-0.031 χ^2/NDF:2653923.9/39

All: 202.007+/-0.022 χ^2/NDF: 4660472.0/75

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: 339.122+/-50.491 χ^2/NDF:1164.0/19

Left: 677.754+/-36.817 χ^2/NDF: 3065.2/40

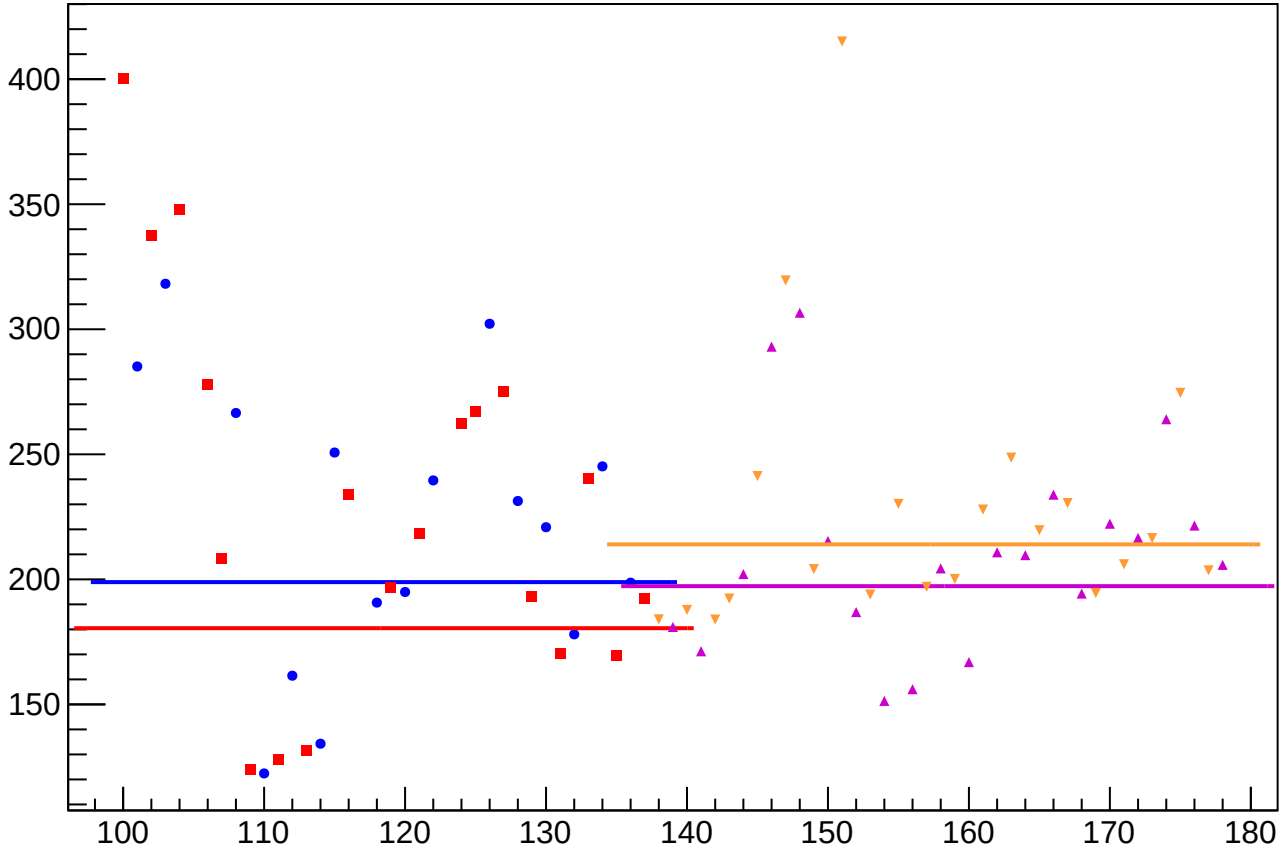
Right: -710.354+/-52.394 χ^2/NDF: 1053.3/34

In: 148.275+/-42.364 χ^2/NDF:1664.1/35

Out: 291.115+/-42.842 χ^2/NDF:2918.7/39

All: 218.894+/-30.124 χ^2/NDF: 4588.4/75

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: 197.284+/-0.036 χ^2/NDF:988650.2/19

Left: 205.108+/-0.026 χ^2/NDF: 1981498.2/40

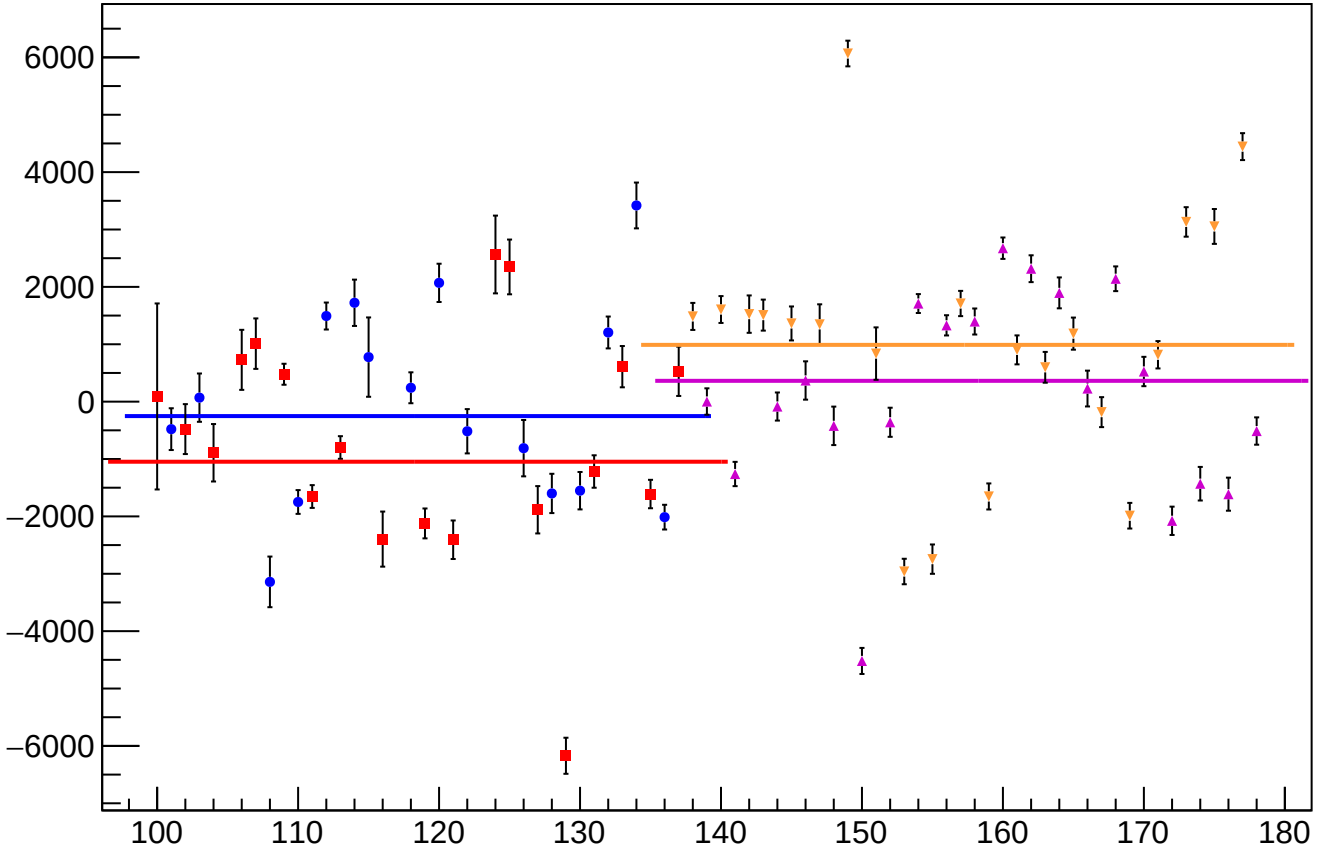
Right: 188.816+/-0.037 χ^2/NDF: 2408514.3/34

In: 197.763+/-0.030 χ^2/NDF:1902023.2/35

Out: 201.726+/-0.030 χ^2/NDF:2608787.6/39

All: 199.723+/-0.021 χ^2/NDF: 4519462.5/75

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: 362.706+/-52.352 χ^2/NDF:1178.5/19

Left: 654.666+/-38.264 χ^2/NDF: 2989.3/40

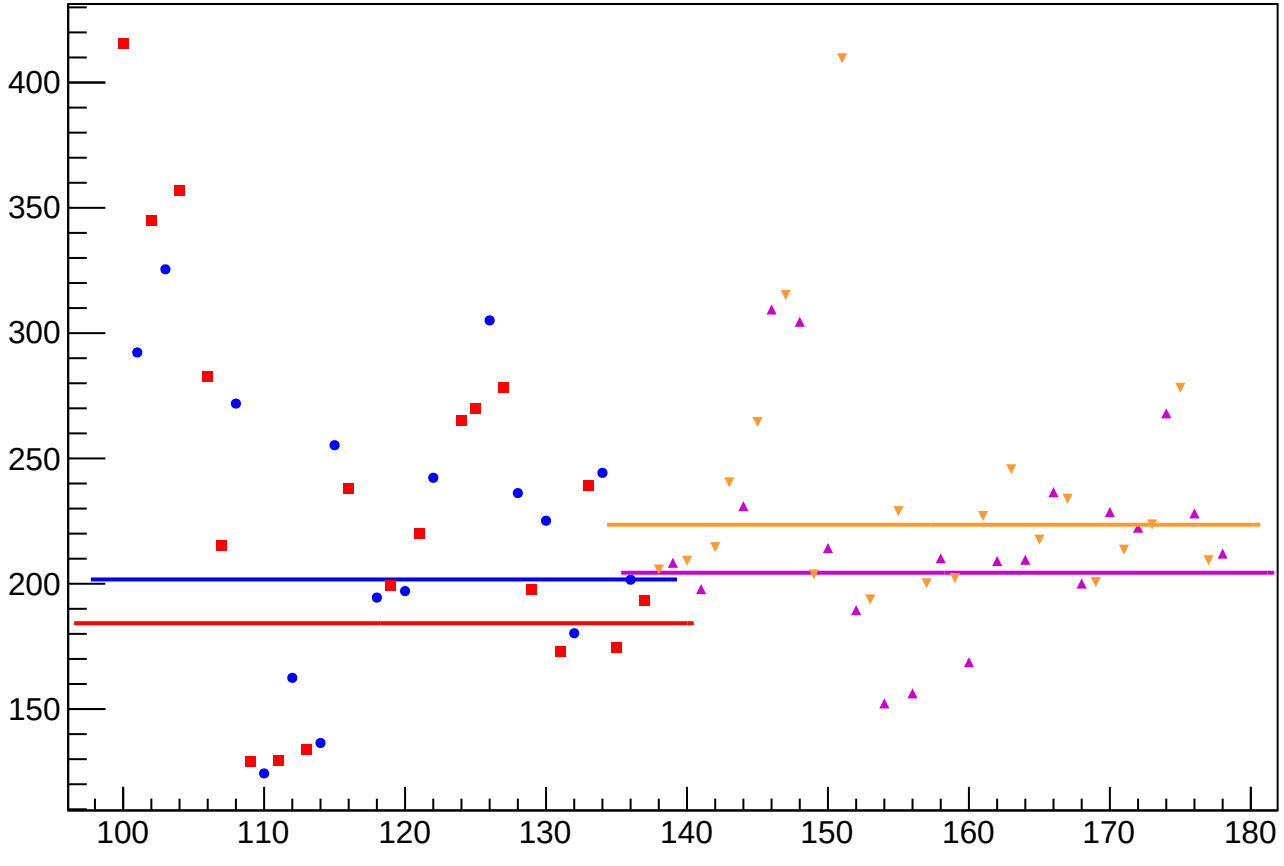
Right: -685.086+/-53.283 χ^2/NDF: 1043.2/34

In: 175.110+/-43.635 χ^2/NDF:1661.8/35

Out: 223.262+/-44.280 χ^2/NDF:2787.2/39

All: 198.833+/-31.080 χ^2/NDF: 4449.6/75

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: 204.403+/-0.037 χ^2/NDF:999260.2/19

Left: 213.321+/-0.027 χ^2/NDF: 1867789.0/40

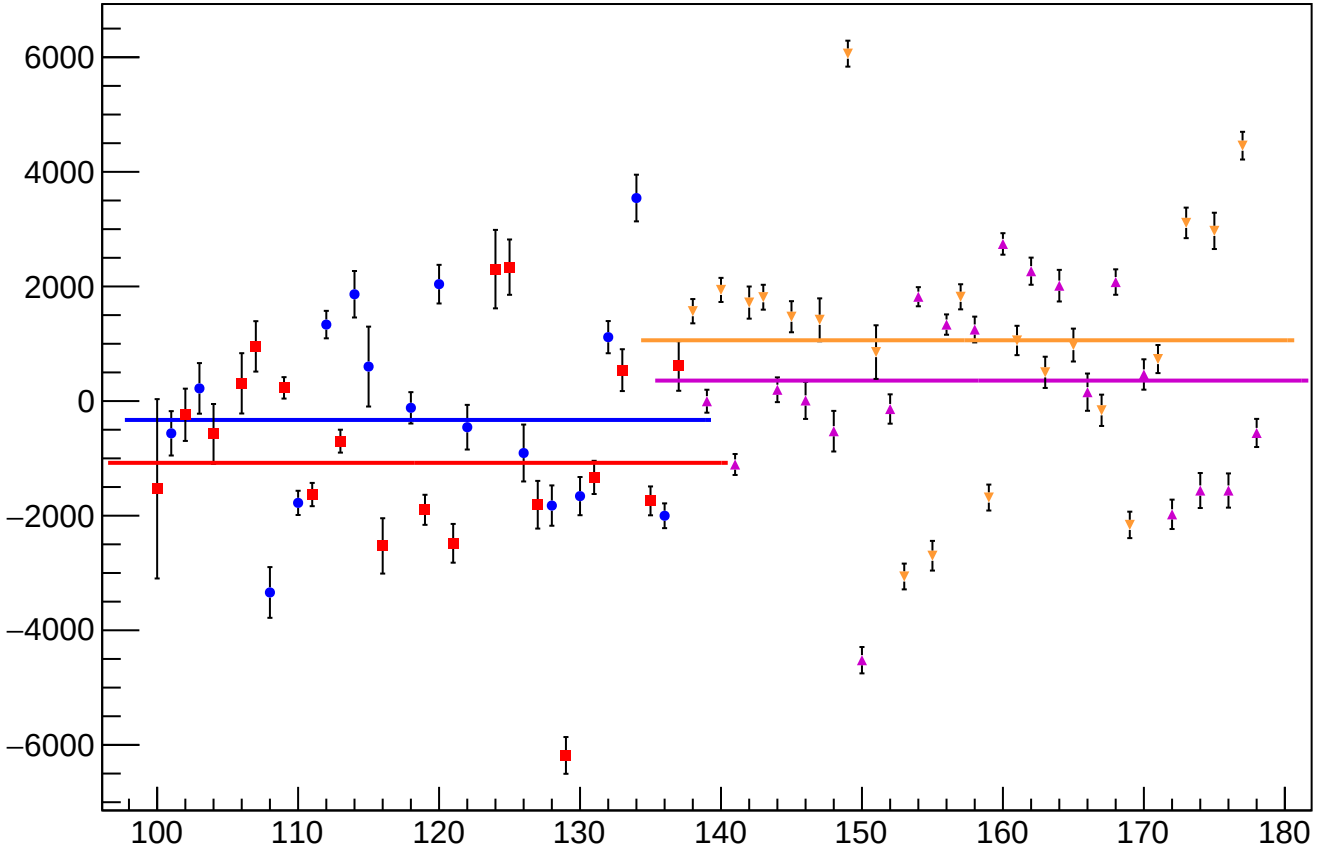
Right: 192.196+/-0.038 χ^2/NDF: 2381288.1/34

In: 203.582+/-0.031 χ^2/NDF:1925082.2/35

Out: 208.761+/-0.031 χ^2/NDF:2517522.8/39

All: 206.134+/-0.022 χ^2/NDF: 4456483.5/75

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: 357.493+/-51.812 χ^2/NDF:1152.4/19

Left: 687.604+/-37.744 χ^2/NDF: 2989.0/40

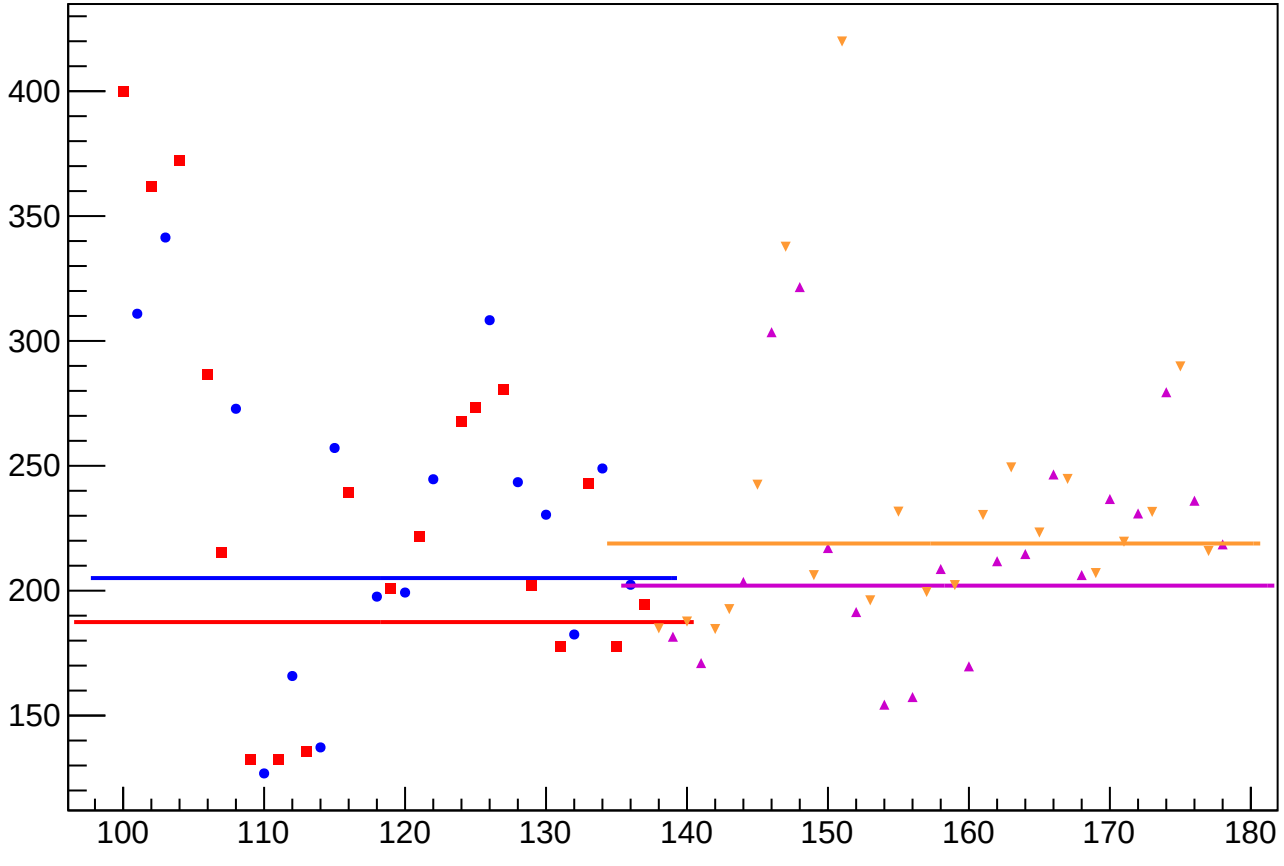
Right: -737.449+/-54.199 χ^2/NDF: 985.7/34

In: 155.831+/-43.547 χ^2/NDF:1640.4/35

Out: 290.183+/-44.064 χ^2/NDF:2795.1/39

All: 222.214+/-30.973 χ^2/NDF: 4440.2/75

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: 202.025+/-0.037 χ^2/NDF:1135508.3/19

Left: 209.942+/-0.027 χ^2/NDF: 2191088.2/40

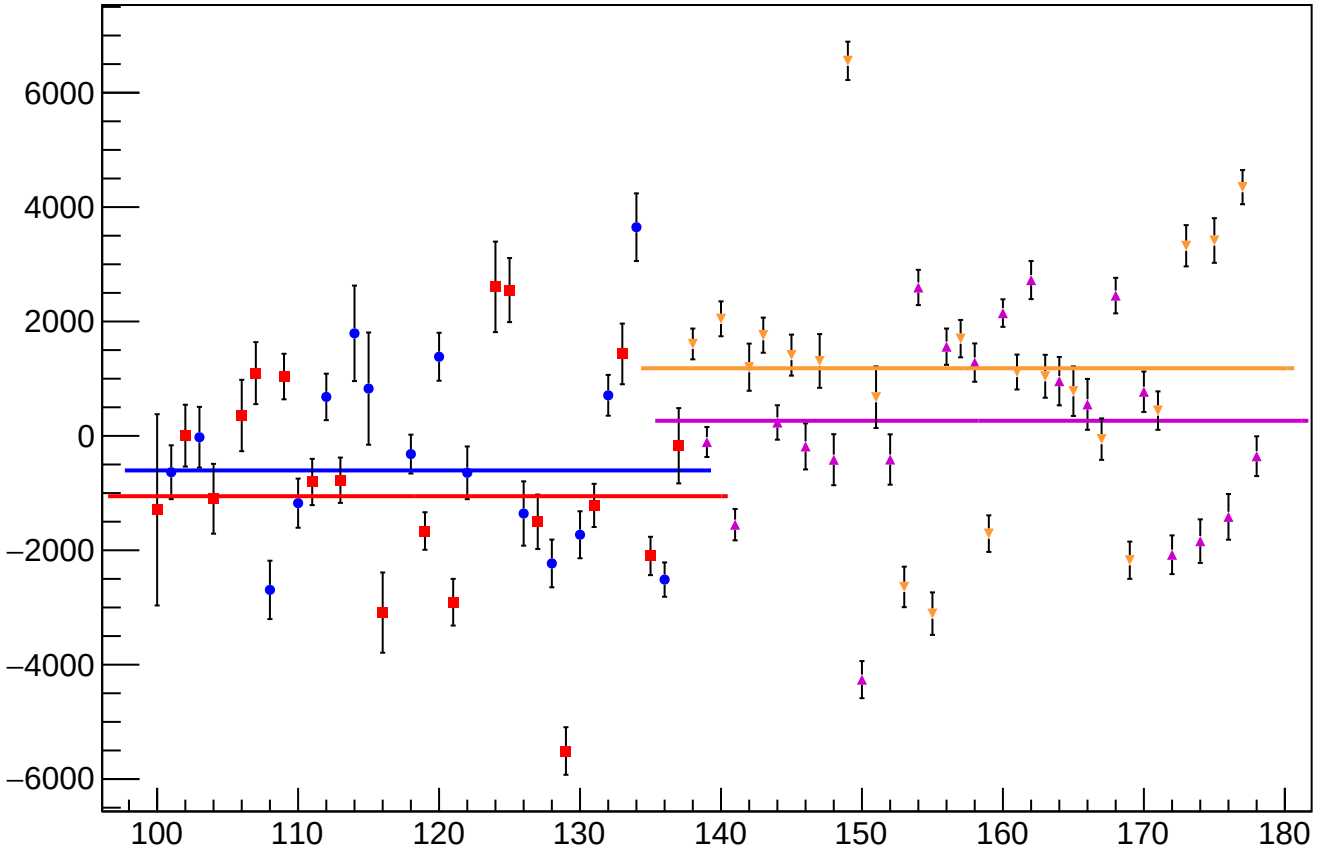
Right: 195.446+/-0.038 χ^2/NDF: 2426275.9/34

In: 202.914+/-0.031 χ^2/NDF:2100566.0/35

Out: 207.556+/-0.031 χ^2/NDF:2601908.8/39

All: 205.208+/-0.022 χ^2/NDF: 4713704.5/75

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: 264.164+/-74.631 χ^2/NDF:599.2/19

Left: 716.757+/-53.143 χ^2/NDF: 1584.0/40

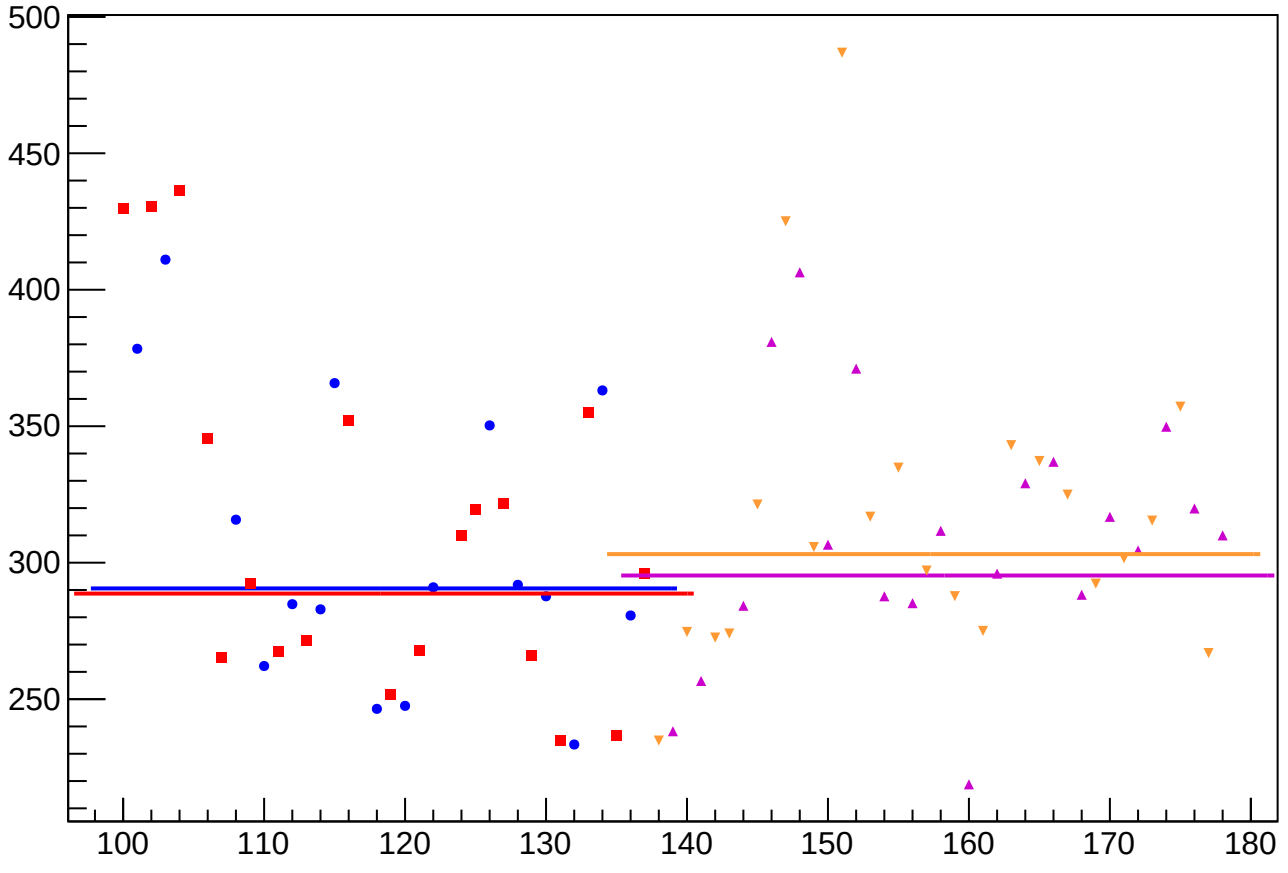
Right: -834.205+/-77.398 χ^2/NDF: 499.7/34

In: -7.100+/-61.880 χ^2/NDF:835.0/35

Out: 447.906+/-62.034 χ^2/NDF:1494.6/39

All: 219.838+/-43.810 χ^2/NDF: 2356.6/75

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: 295.308+/-0.053 χ^2/NDF:715511.1/19

Left: 299.171+/-0.038 χ^2/NDF: 1428792.4/40

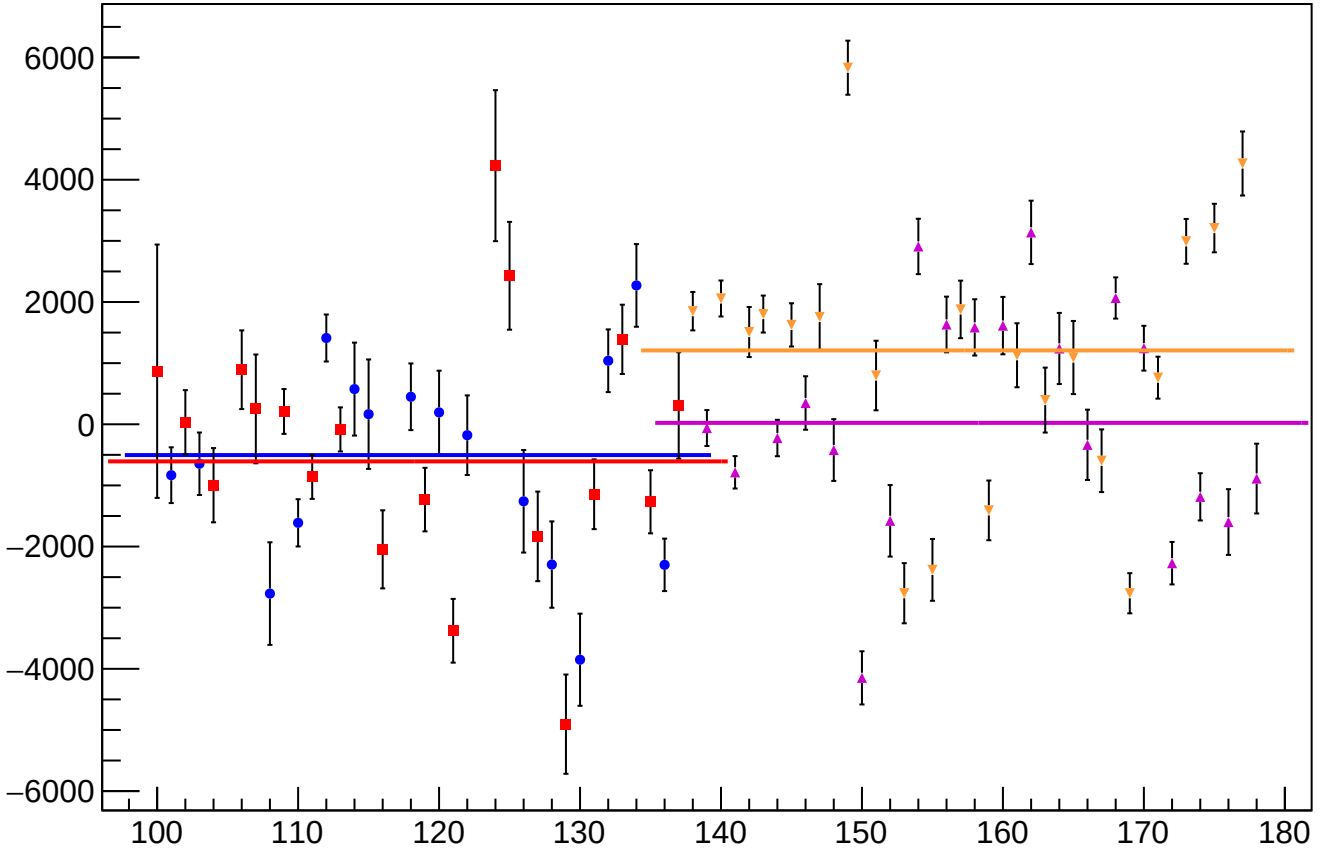
Right: 289.605+/-0.055 χ^2/NDF: 849196.8/34

In: 293.826+/-0.044 χ^2/NDF:1077841.8/35

Out: 298.397+/-0.044 χ^2/NDF:1215466.3/39

All: 296.106+/-0.031 χ^2/NDF: 2298750.2/75

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: 23.048+/-90.970 χ^2/NDF:340.6/19

Left: 623.243+/-63.913 χ^2/NDF: 948.0/40

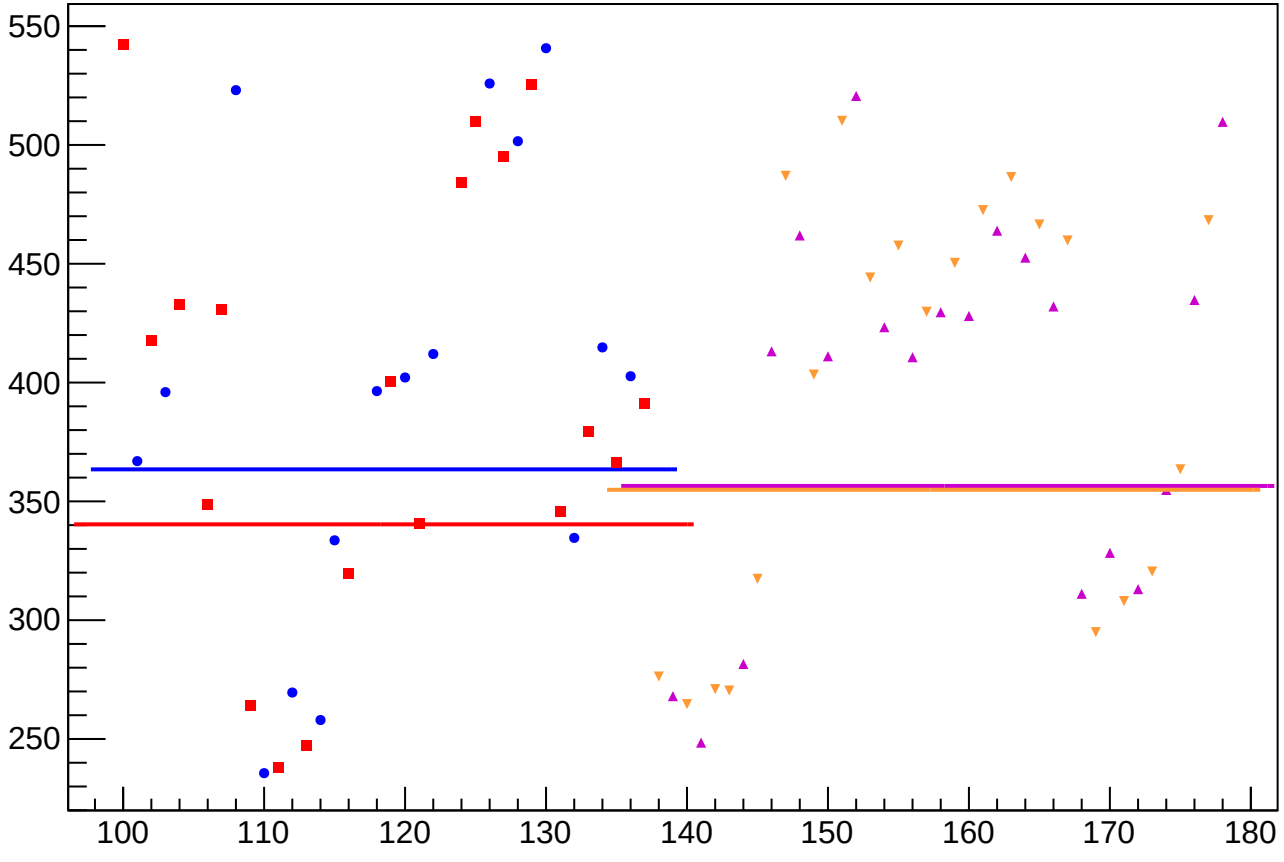
Right: -559.271+/-95.127 χ^2/NDF: 243.7/34

In: -133.231+/-76.290 χ^2/NDF:468.8/35

Out: 619.416+/-73.822 χ^2/NDF:779.0/39

All: 255.462+/-53.051 χ^2/NDF: 1298.1/75

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: 356.488+/-0.064 χ^2/NDF:1559224.6/19

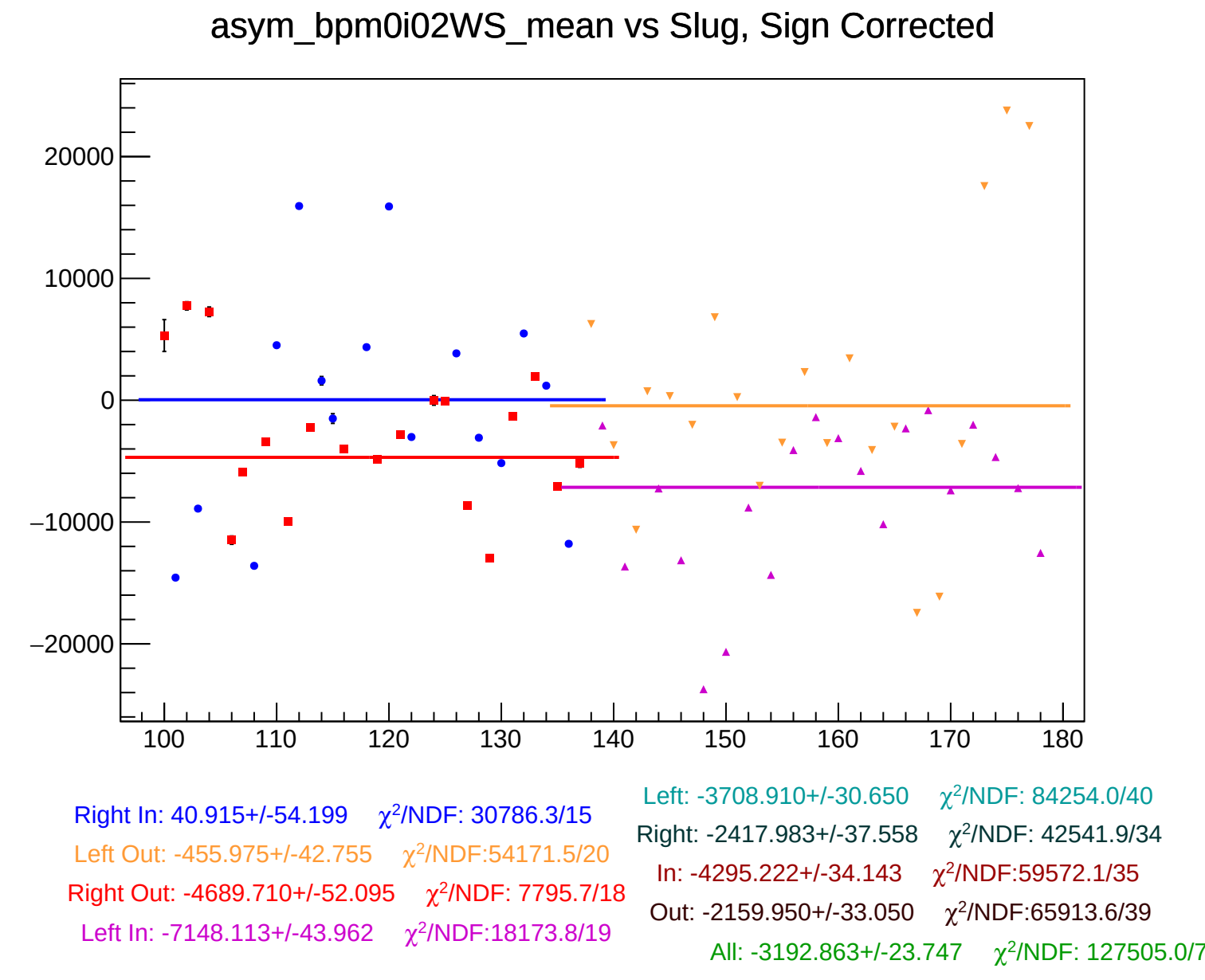
Left: 355.673+/-0.045 χ^2/NDF: 3298336.8/40

Right: 351.006+/-0.067 χ^2/NDF: 1666529.8/34

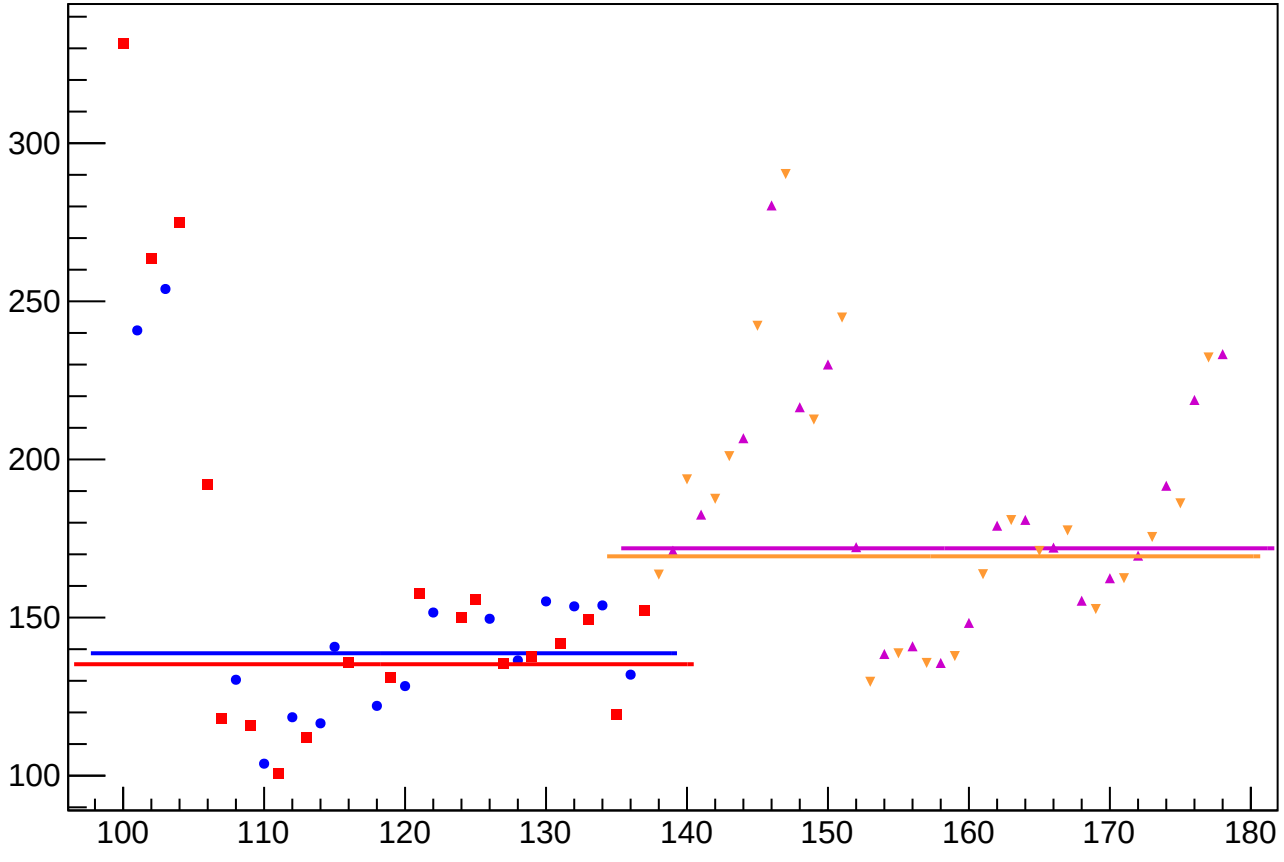
In: 358.560+/-0.054 χ^2/NDF:2343614.5/35

Out: 350.159+/-0.052 χ^2/NDF:2612043.5/39

All: 354.221+/-0.038 χ^2/NDF: 4968182.4/75


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: -7148.113+/-43.962 χ²/NDF:18173.8/19
Left: -3708.910+/-30.650 χ²/NDF: 84254.0/40
Right: -2417.983+/-37.558 χ²/NDF: 42541.9/34
In: -4295.222+/-34.143 χ²/NDF:59572.1/35
Out: -2159.950+/-33.050 χ²/NDF:65913.6/39
All: -3192.863+/-23.747 χ²/NDF: 127505.0/7

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: 171.902+/-0.031 χ^2/NDF:1064963.4/19

Left: 170.598+/-0.022 χ^2/NDF: 2368258.6/40

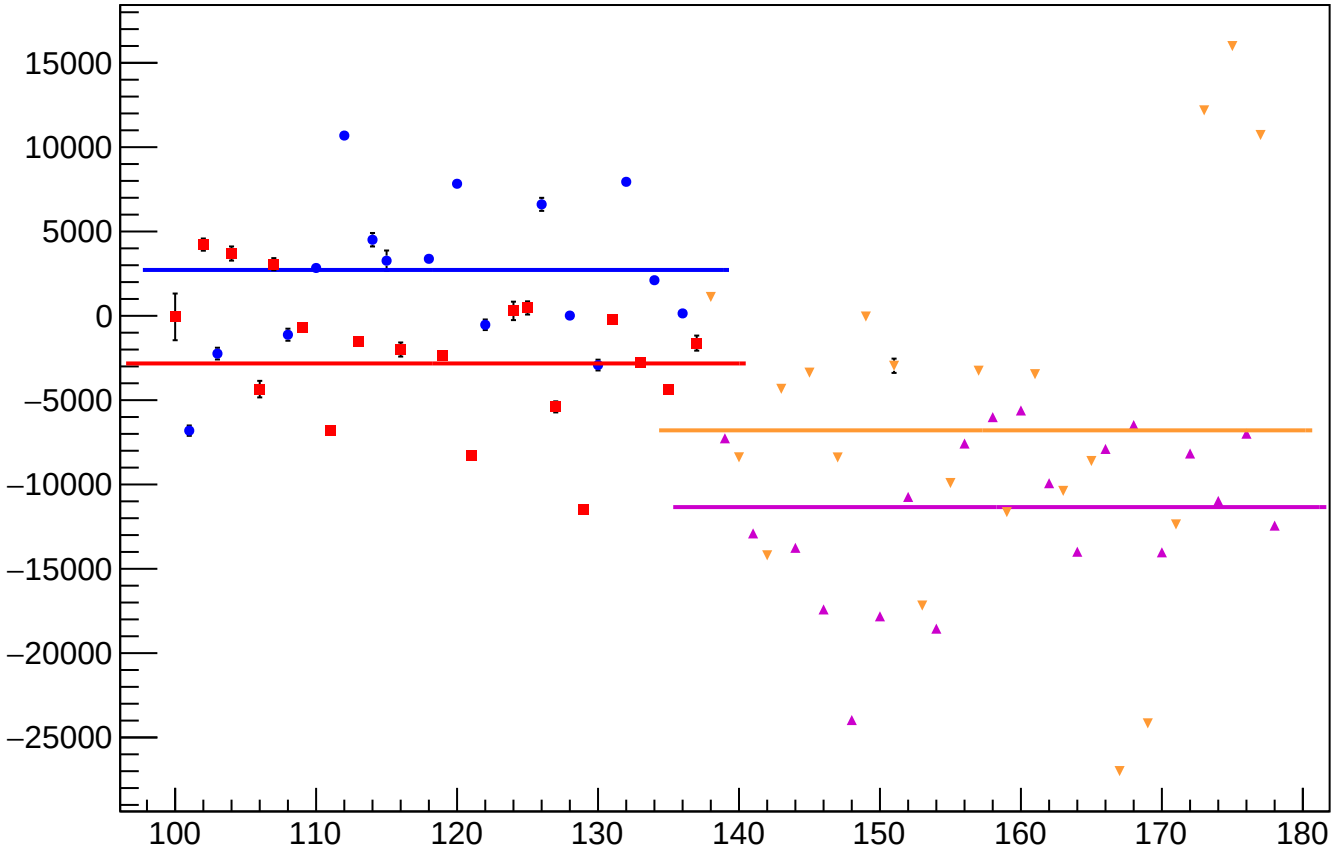
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 158.731+/-0.024 χ^2/NDF:2175133.0/35

Out: 155.632+/-0.023 χ^2/NDF:2702491.2/39

All: 157.131+/-0.017 χ^2/NDF: 4886130.7/75

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: -11341.064+/-46.468 χ^2/NDF:10866.7/19

Left: -9214.787+/-33.915 χ^2/NDF: 61050.5/40

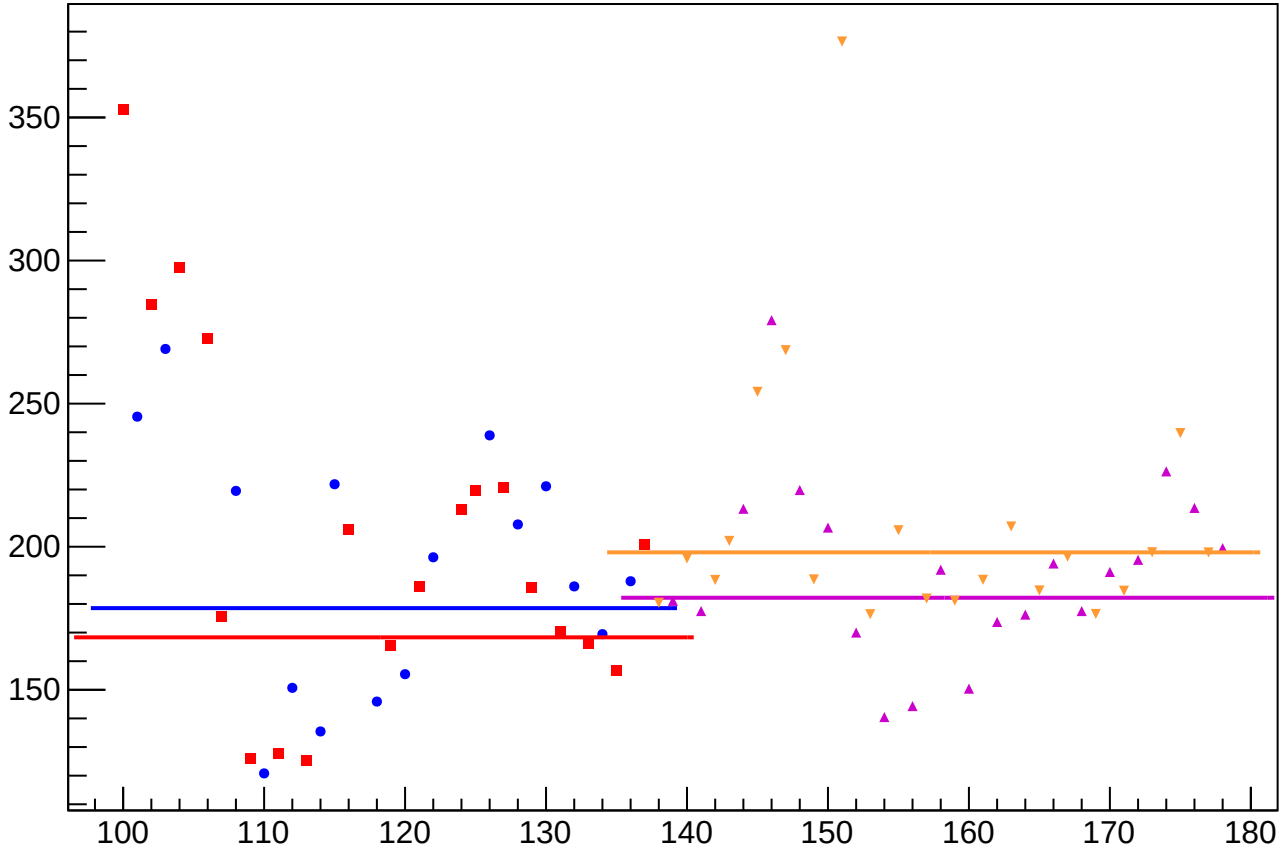
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -6975.272+/-38.586 χ^2/NDF:43425.5/35

Out: -5326.163+/-39.404 χ^2/NDF:51126.6/39

All: -6168.032+/-27.569 χ^2/NDF: 95446.2/75

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: 182.169+/-0.033 χ^2/NDF:793023.9/19

Left: 189.580+/-0.024 χ^2/NDF: 1618748.2/40

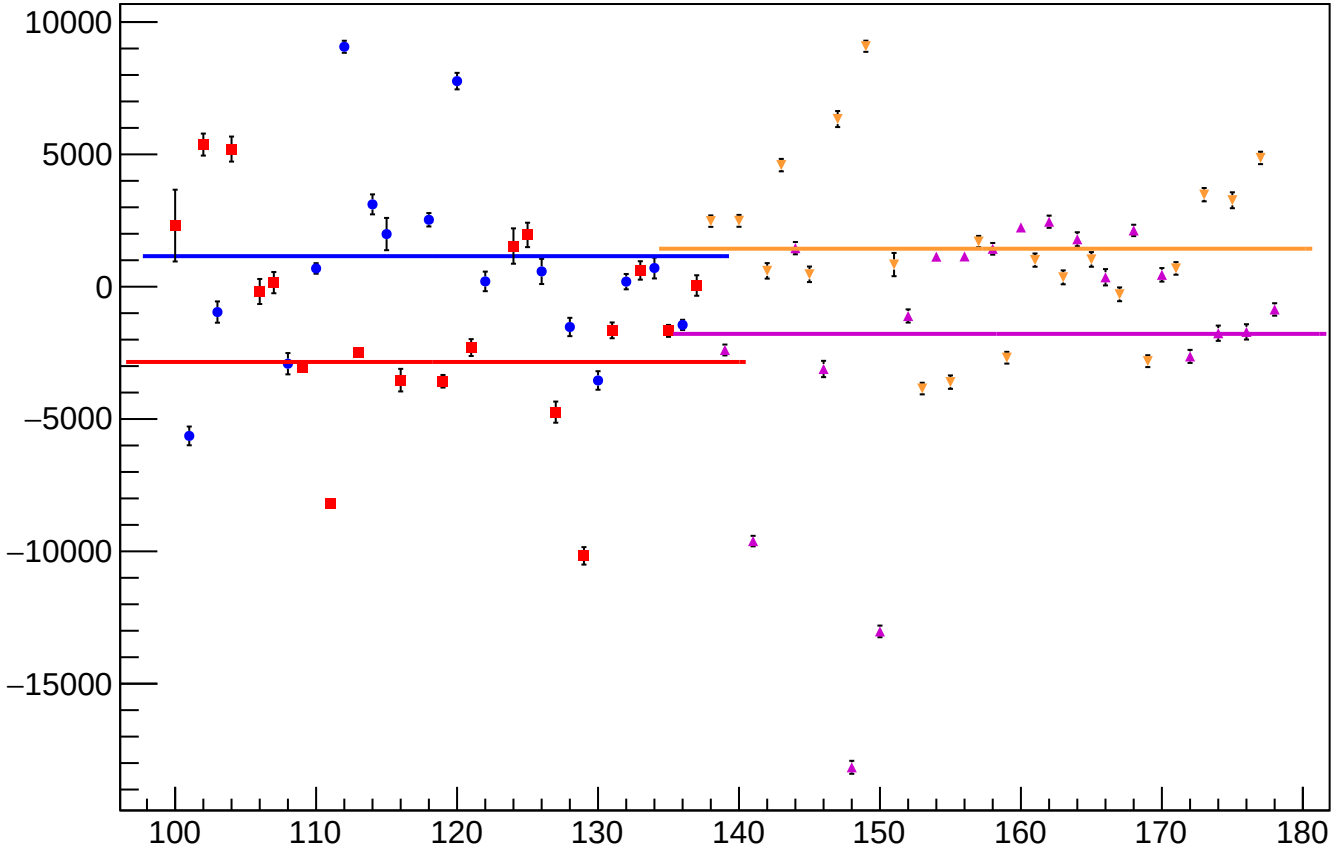
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 181.043+/-0.027 χ^2/NDF:1471376.3/35

Out: 187.065+/-0.028 χ^2/NDF:1960848.3/39

All: 183.991+/-0.019 χ^2/NDF: 3456069.1/75

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: -1782.231+/-50.723 χ^2/NDF:11109.4/19

Left: -281.926+/-37.057 χ^2/NDF: 16873.0/40

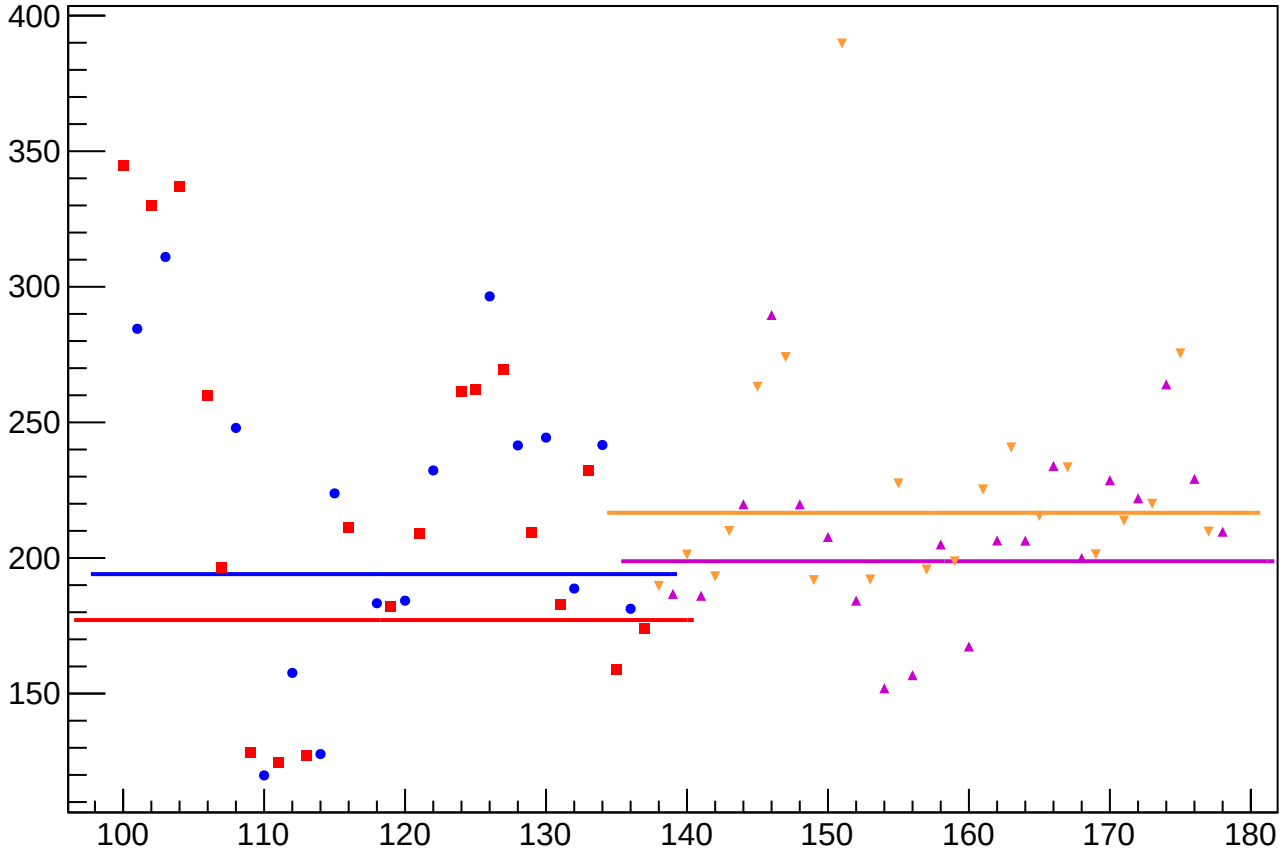
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -876.729+/-42.182 χ^2/NDF:14798.1/35

Out: -195.938+/-42.690 χ^2/NDF:8710.9/39

All: -540.404+/-30.005 χ^2/NDF: 23637.7/75

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: 198.799+/-0.036 χ^2/NDF:767631.5/19

Left: 207.130+/-0.026 χ^2/NDF: 1574029.7/40

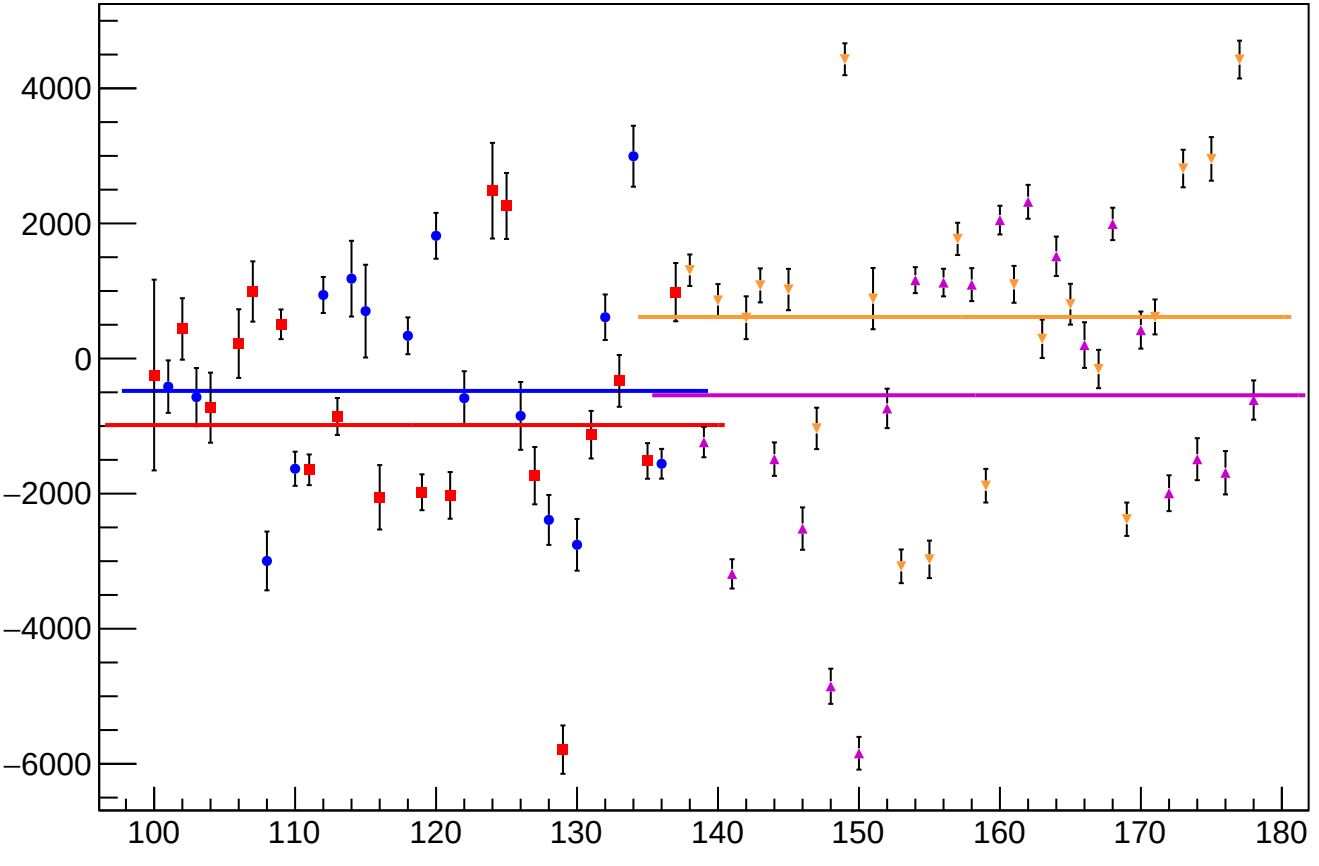
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 197.335+/-0.030 χ^2/NDF:1738818.5/35

Out: 201.588+/-0.030 χ^2/NDF:2455015.5/39

All: 199.436+/-0.021 χ^2/NDF: 4203875.1/75

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: -543.714+/-56.411 χ^2/NDF:1665.1/19

Left: 6.253+/-40.897 χ^2/NDF: 3141.0/40

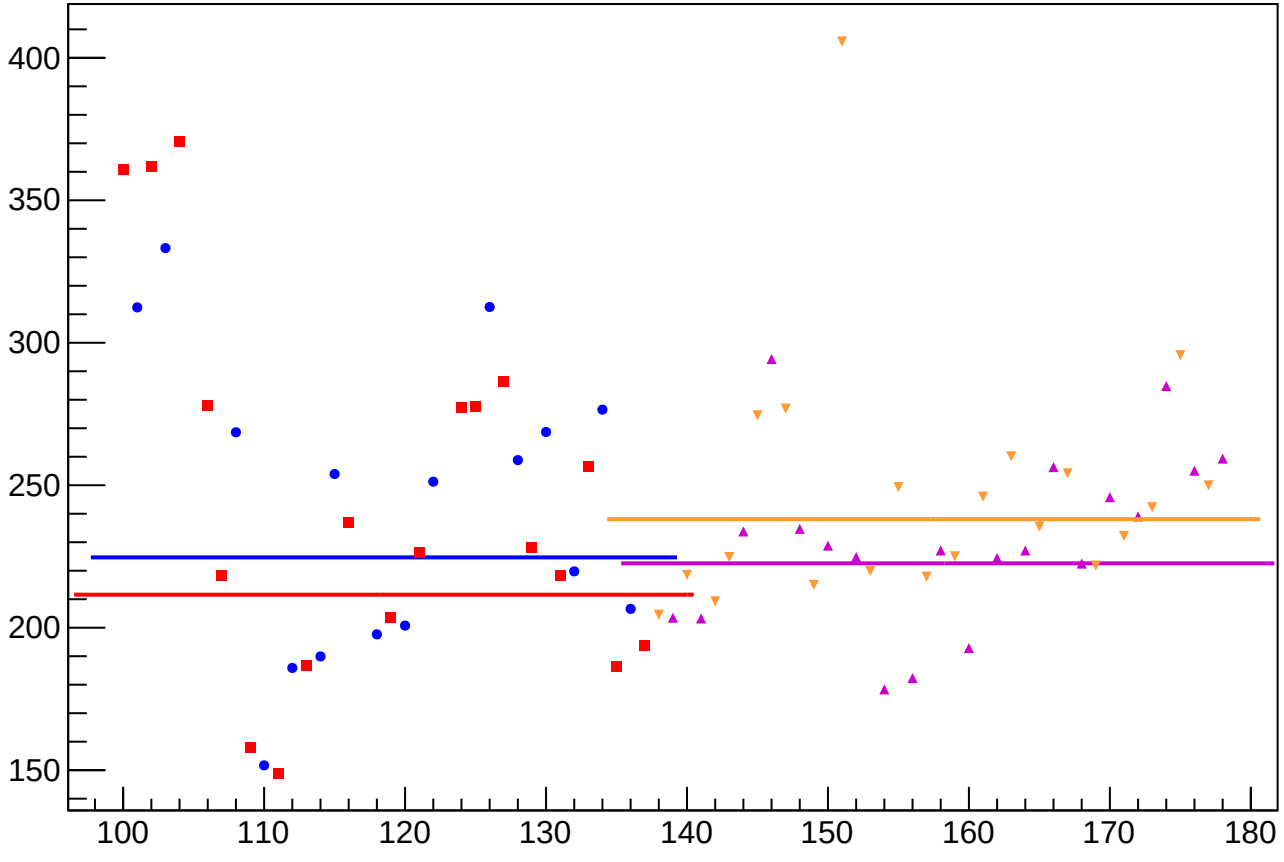
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -524.551+/-47.281 χ^2/NDF:1970.9/35

Out: 55.803+/-47.877 χ^2/NDF:1927.7/39

All: -238.007+/-33.641 χ^2/NDF: 3973.0/75

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: 222.594+/-0.040 χ^2/NDF:543257.1/19

Left: 229.949+/-0.029 χ^2/NDF: 1175016.1/40

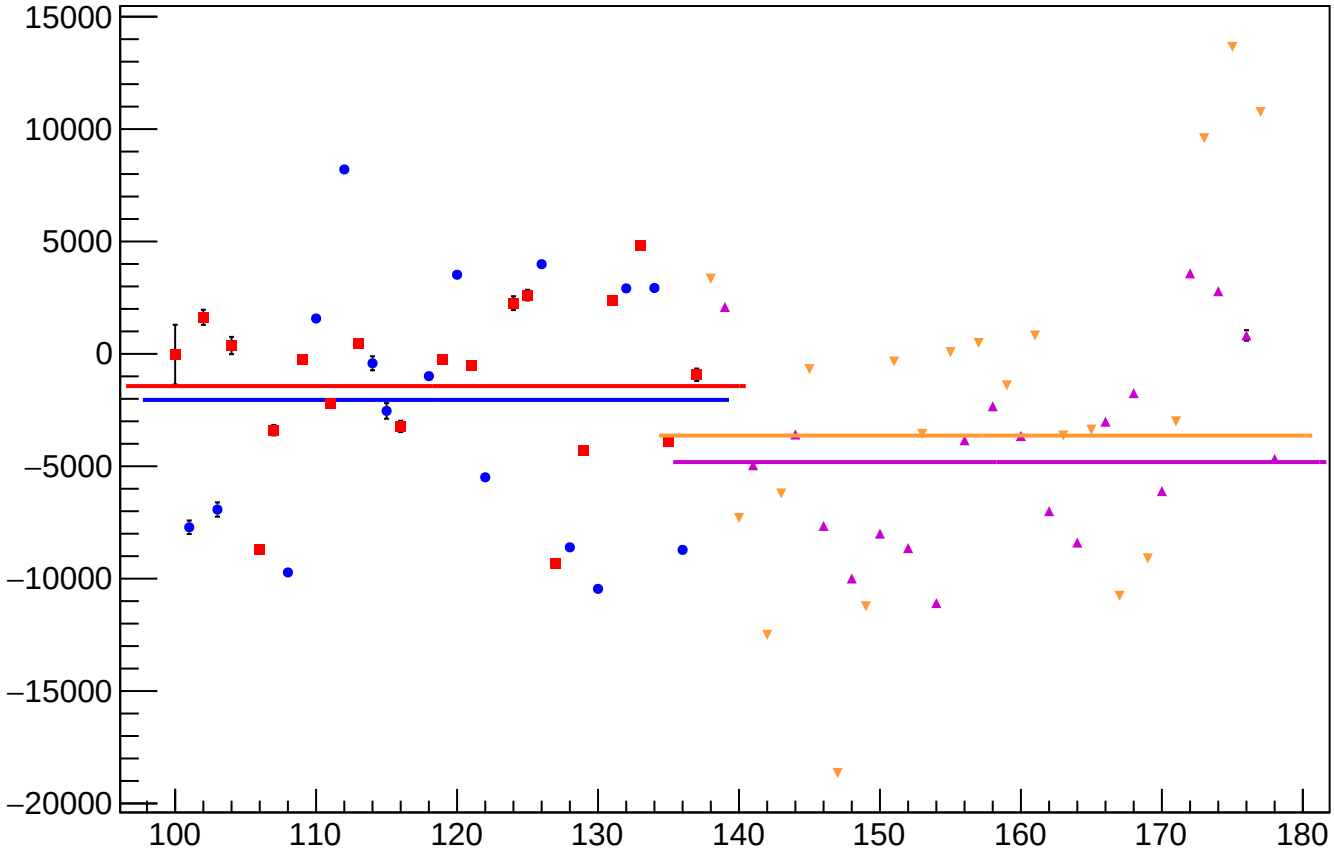
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 223.215+/-0.033 χ^2/NDF:1197266.1/35

Out: 228.826+/-0.034 χ^2/NDF:1632390.1/39

All: 225.986+/-0.024 χ^2/NDF: 2843561.4/75

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: -4812.873+/-32.787 χ^2/NDF:15228.2/19

Left: -4207.015+/-22.861 χ^2/NDF: 67505.1/40

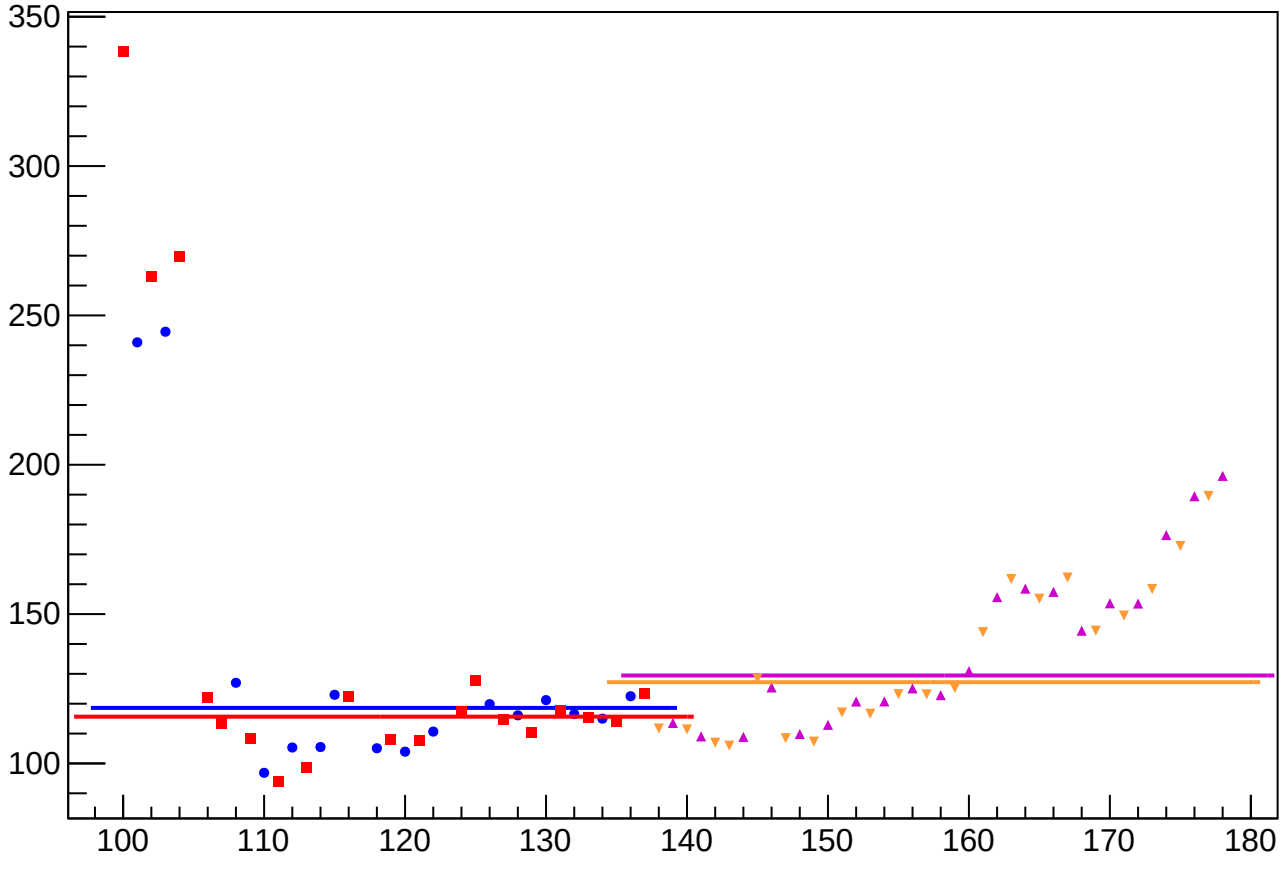
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -3900.314+/-26.838 χ^2/NDF:34285.0/35

Out: -2891.960+/-25.968 χ^2/NDF:59605.2/39

All: -3379.521+/-18.662 χ^2/NDF: 94619.3/75

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: 129.447+/-0.023 χ^2/NDF:923521.6/19

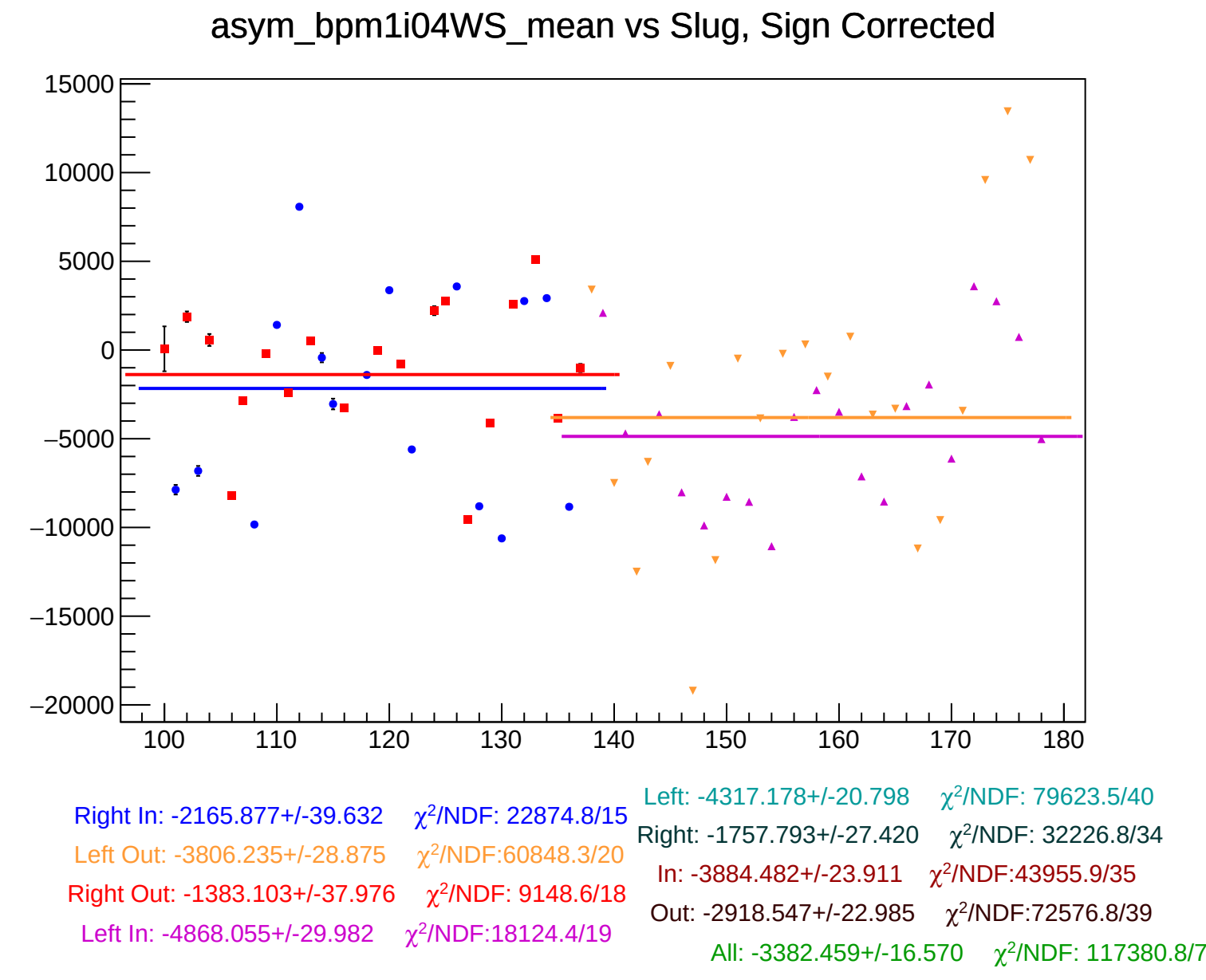
Left: 128.299+/-0.016 χ^2/NDF: 1836768.0/40

Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

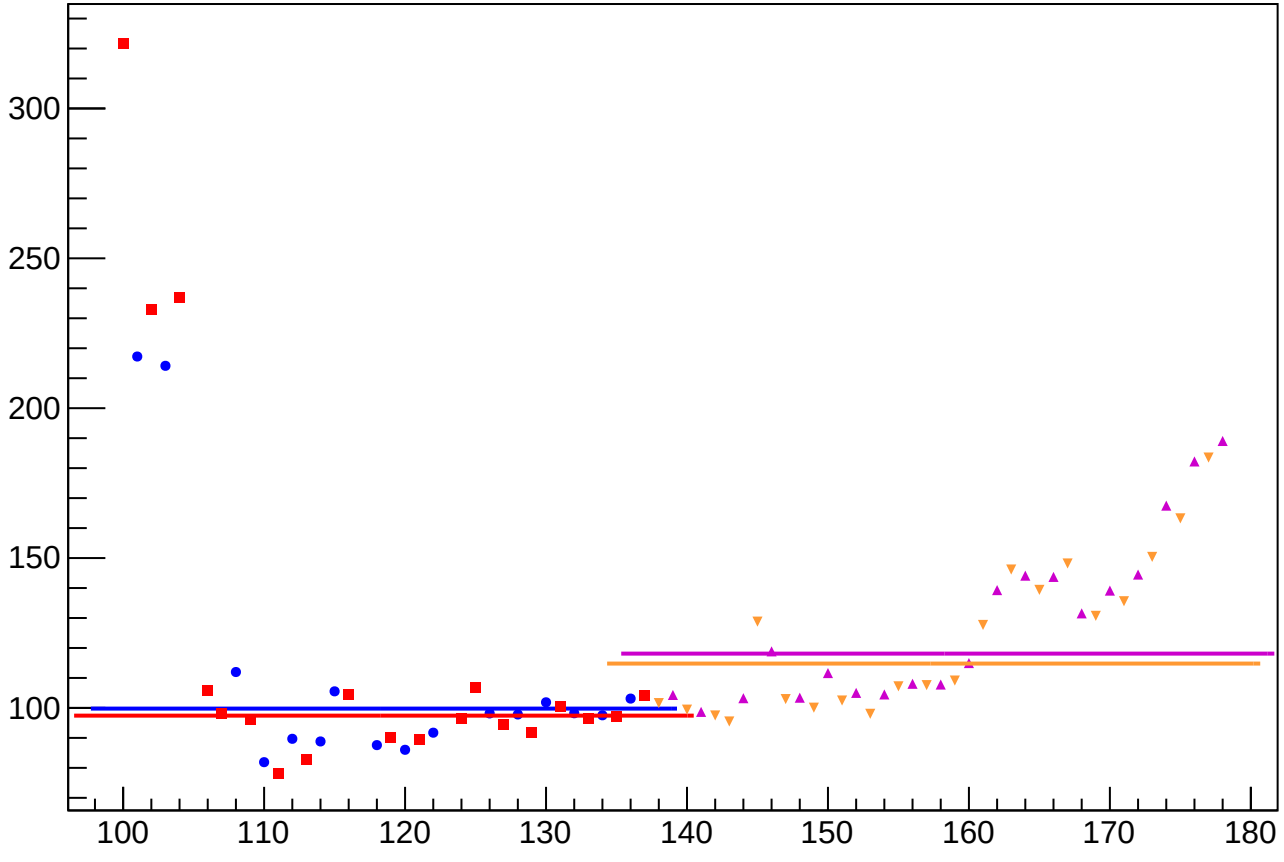
In: 125.867+/-0.019 χ^2/NDF:1729970.3/35

Out: 123.318+/-0.018 χ^2/NDF:1861125.7/39

All: 124.551+/-0.013 χ^2/NDF: 3600409.3/75


asym_bpm1i04WS_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
Right In: -2165.877+/-39.632 χ²/NDF: 22874.8/15
Left Out: -3806.235+/-28.875 χ²/NDF:60848.3/20
Right Out: -1383.103+/-37.976 χ²/NDF: 9148.6/18
Left In: -4868.055+/-29.982 χ²/NDF:18124.4/19
Left: -4317.178+/-20.798 χ²/NDF: 79623.5/40
Right: -1757.793+/-27.420 χ²/NDF: 32226.8/34
In: -3884.482+/-23.911 χ²/NDF:43955.9/35
Out: -2918.547+/-22.985 χ²/NDF:72576.8/39
All: -3382.459+/-16.570 χ²/NDF: 117380.8/7

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: 118.120+/-0.021 χ^2/NDF:1006853.9/19

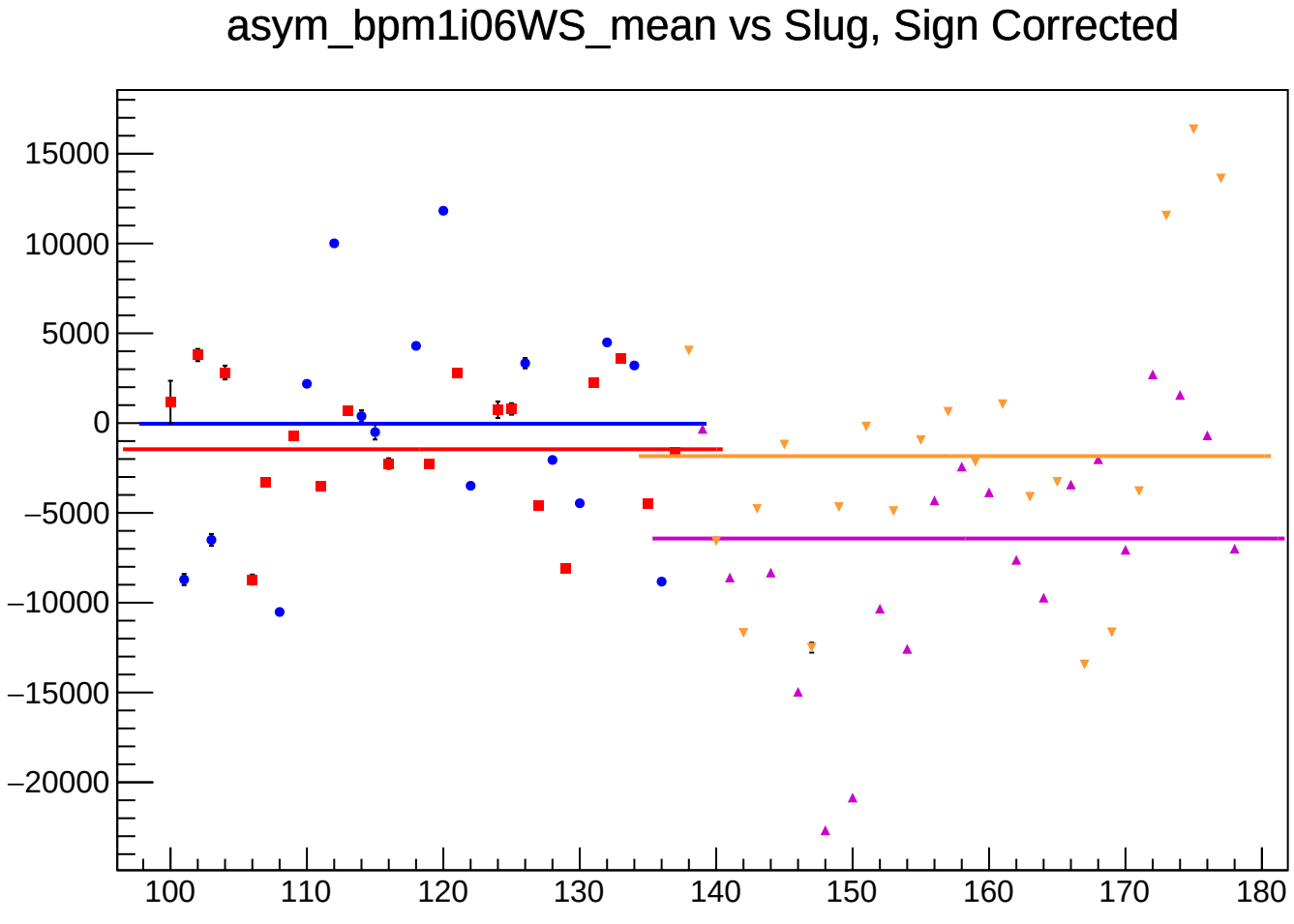
Left: 116.396+/-0.015 χ^2/NDF: 2070256.0/40

Right: 98.551+/-0.019 χ^2/NDF: 1738857.3/34

In: 111.442+/-0.017 χ^2/NDF:2088557.3/35

Out: 108.434+/-0.016 χ^2/NDF:2241850.7/39

All: 109.879+/-0.012 χ^2/NDF: 4346858.5/75



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: -6427.267+/-41.661 χ^2/NDF:18864.1/19

Left: -4036.064+/-28.831 χ^2/NDF: 54511.3/40

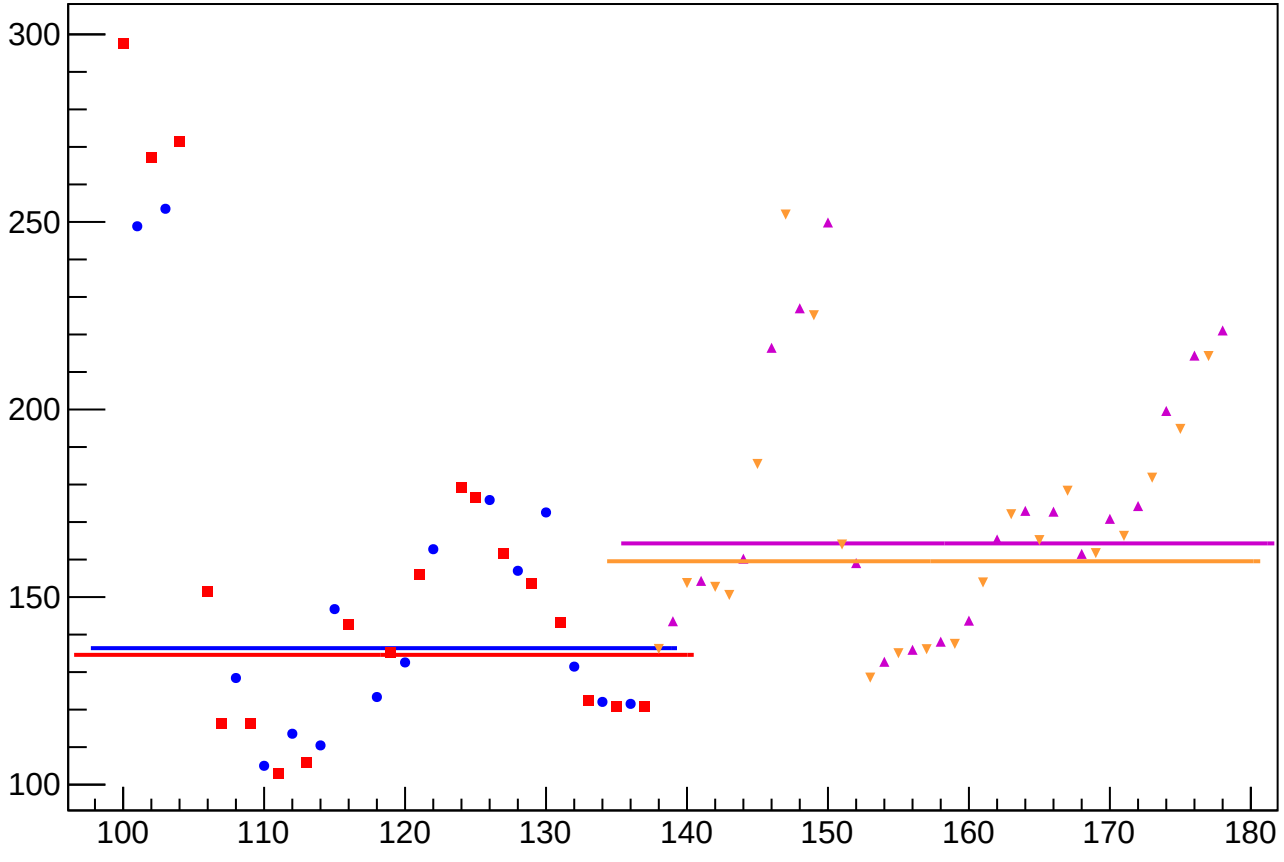
Right: -766.160+/-37.257 χ^2/NDF: 21283.7/34

In: -4012.220+/-32.862 χ^2/NDF:44562.0/35

Out: -1696.430+/-31.663 χ^2/NDF:33475.5/39

All: -2811.316+/-22.801 χ^2/NDF: 80612.8/75

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: 164.307+/-0.029 χ^2/NDF:985233.0/19

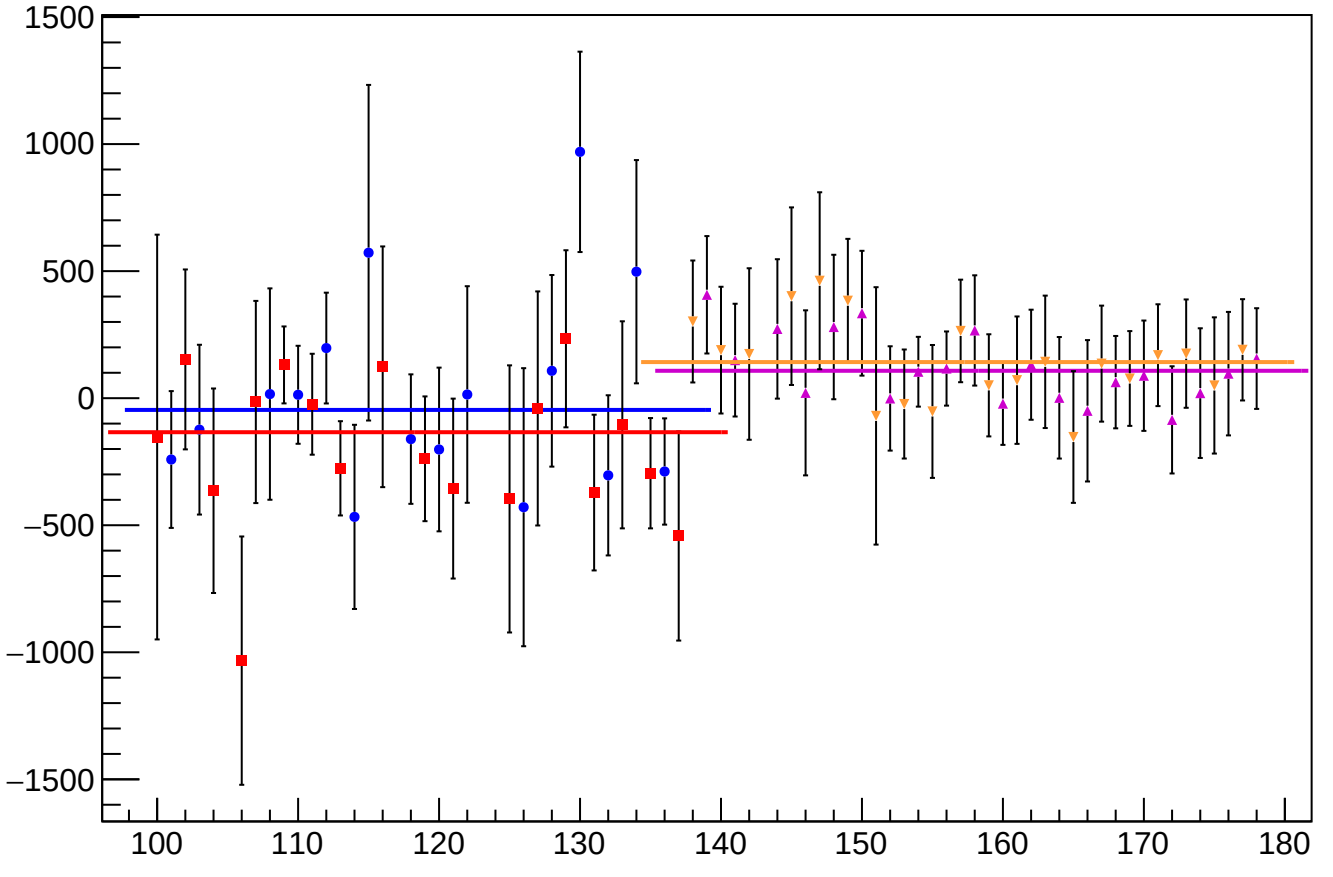
Left: 161.828+/-0.020 χ^2/NDF: 1904992.7/40

Right: 135.465+/-0.026 χ^2/NDF: 1717607.6/34

In: 153.758+/-0.023 χ^2/NDF:2121543.8/35

Out: 150.279+/-0.022 χ^2/NDF:2115754.5/39

All: 151.954+/-0.016 χ^2/NDF: 4248923.7/75



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: 107.826+/-46.773 χ^2/NDF:6.4/19

Left: 122.555+/-35.319 χ^2/NDF: 13.1/39

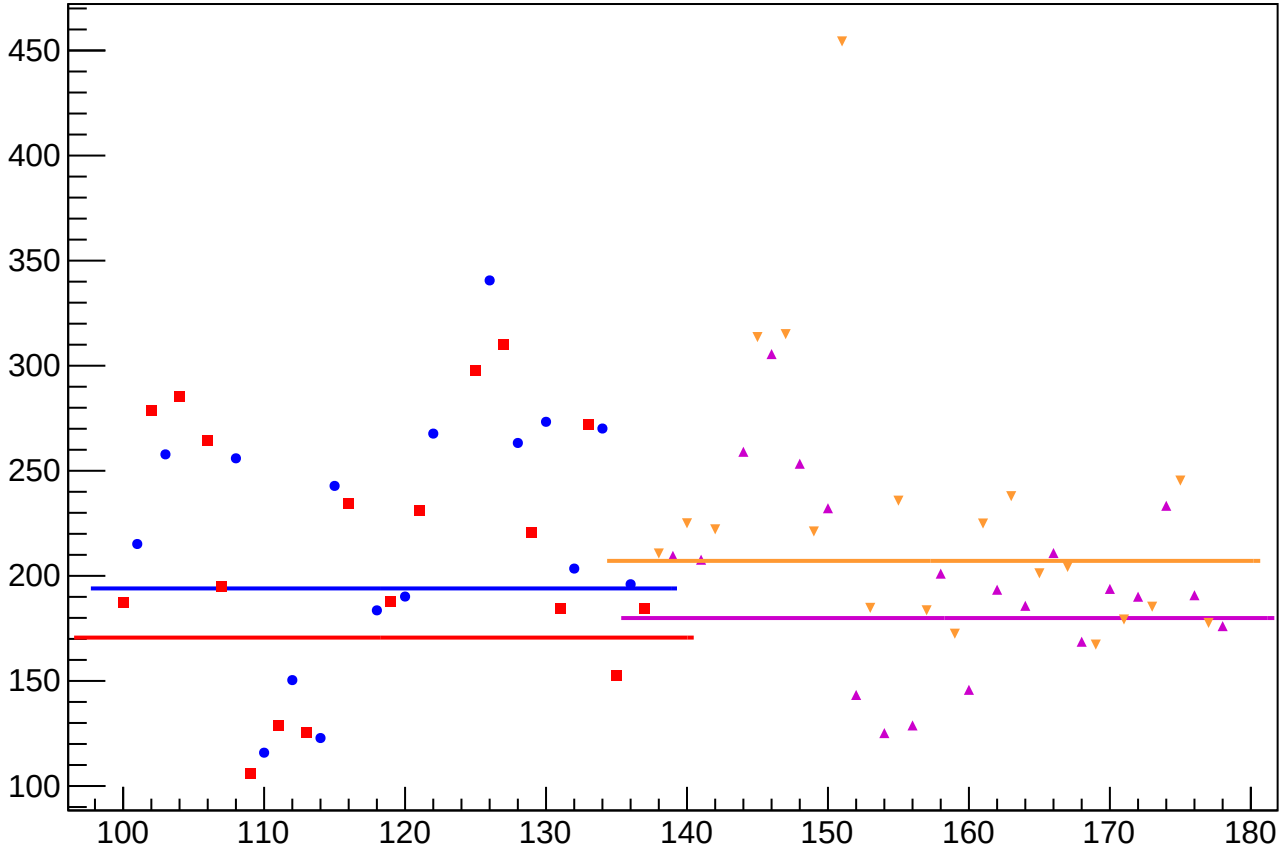
Right: -94.812+/-50.931 χ^2/NDF: 29.0/33

In: 65.742+/-39.874 χ^2/NDF:24.9/35

Out: 36.451+/-42.326 χ^2/NDF:29.4/37

All: 51.969+/-29.023 χ^2/NDF: 54.5/73

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: 179.922+/-0.033 χ^2/NDF:1634122.8/19

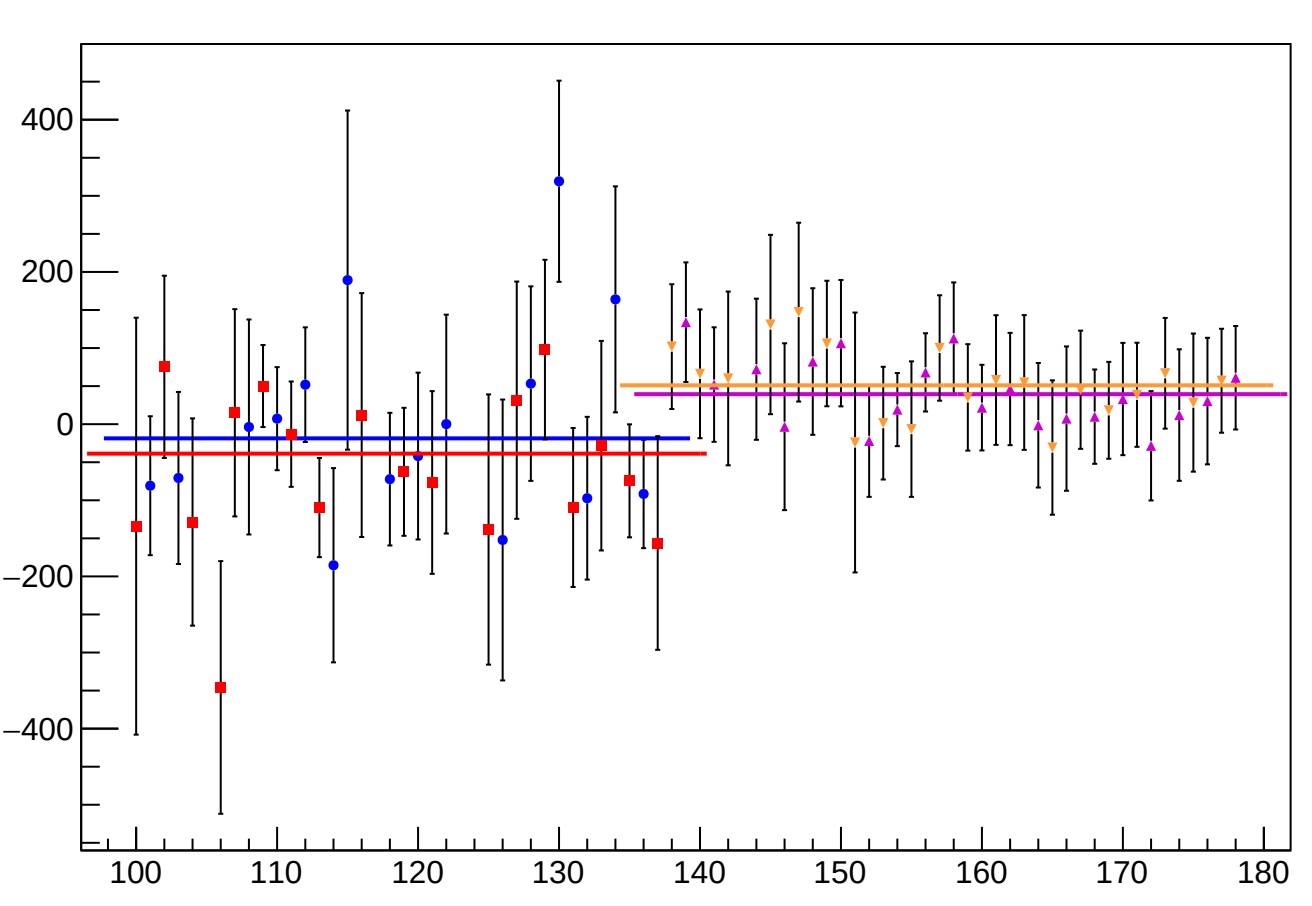
Left: 191.615+/-0.025 χ^2/NDF: 3207386.1/39

Right: 181.052+/-0.036 χ^2/NDF: 2741566.5/33

In: 183.773+/-0.028 χ^2/NDF:2727336.5/35

Out: 193.156+/-0.030 χ^2/NDF:3227638.9/37

All: 188.185+/-0.021 χ^2/NDF: 6007050.9/73



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: 39.428+/-16.082 χ^2/NDF:6.6/19

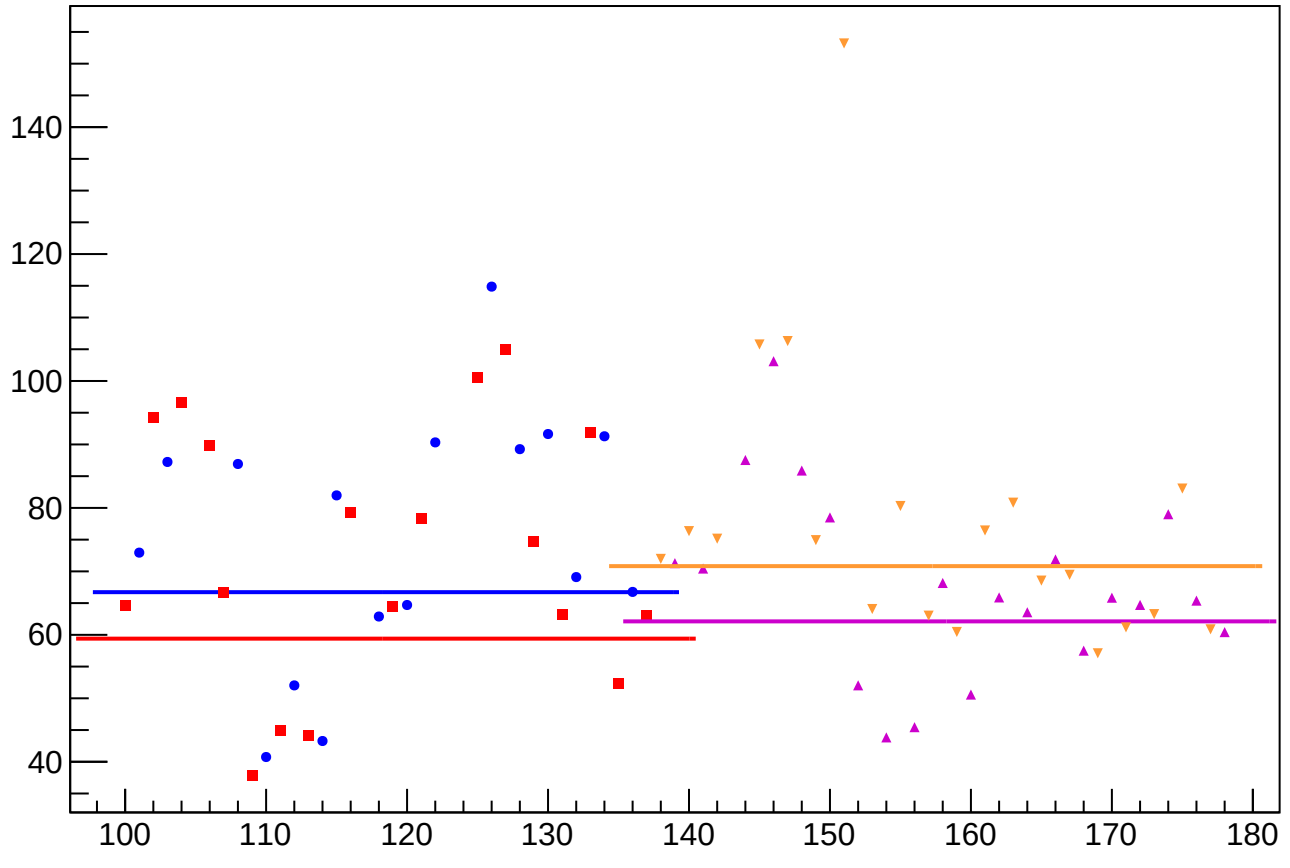
Left: 44.468+/-12.105 χ^2/NDF: 11.7/39

Right: -29.674+/-17.533 χ^2/NDF: 28.2/33

In: 23.468+/-13.695 χ^2/NDF:25.4/35

Out: 17.242+/-14.516 χ^2/NDF:26.5/37

All: 20.536+/-9.961 χ^2/NDF: 52.0/73



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: 62.120+/-0.011 χ^2/NDF:1443704.1/19

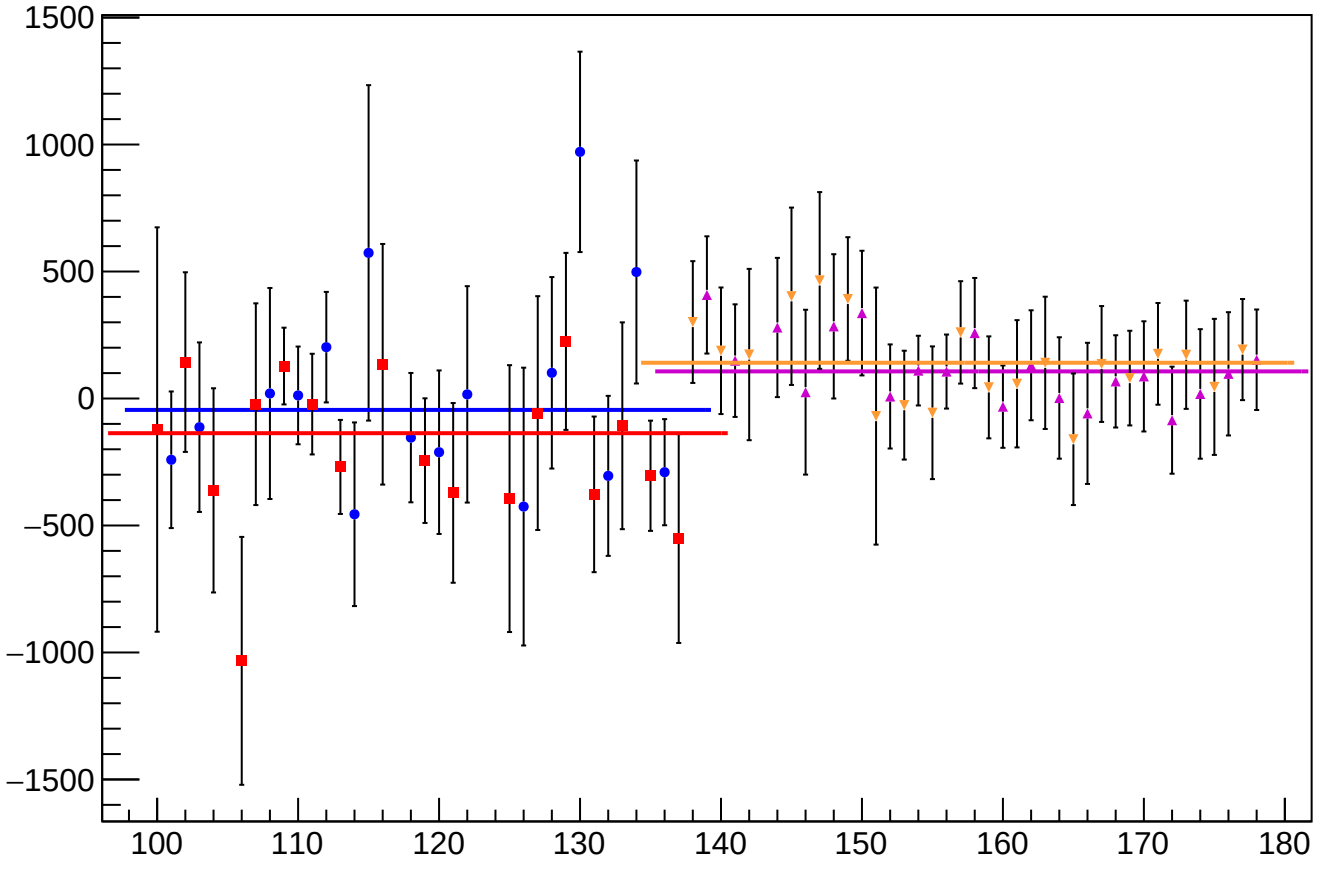
Left: 65.894+/-0.009 χ^2/NDF: 2916208.7/39

Right: 62.700+/-0.012 χ^2/NDF: 2478799.5/33

In: 63.386+/-0.010 χ^2/NDF:2435797.7/35

Out: 66.522+/-0.010 χ^2/NDF:2954743.6/37

All: 64.863+/-0.007 χ^2/NDF: 5439950.2/73



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: 106.754+/-46.732 χ^2/NDF:6.5/19

Left: 121.374+/-35.288 χ^2/NDF: 13.5/39

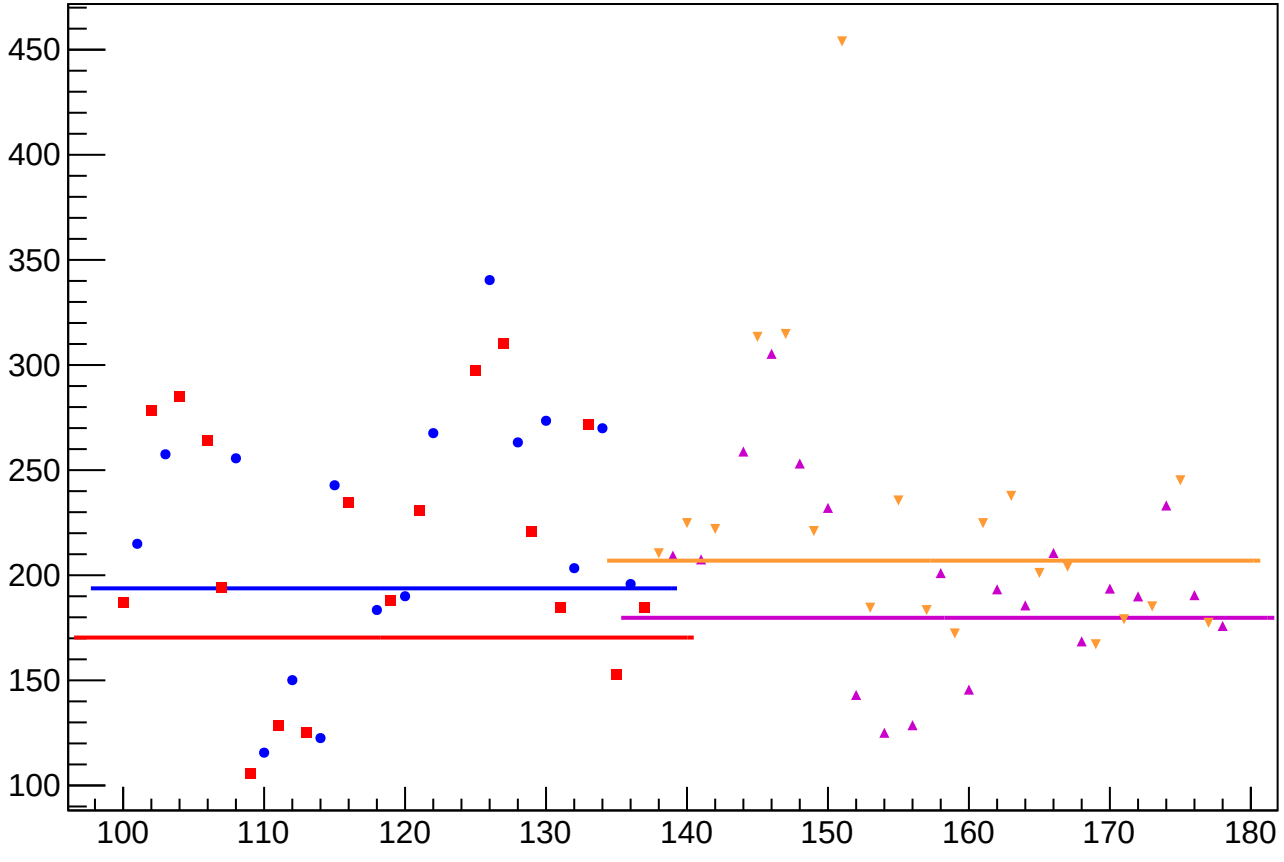
Right: -95.728+/-50.868 χ^2/NDF: 29.1/33

In: 65.299+/-39.837 χ^2/NDF:24.9/35

Out: 34.548+/-42.282 χ^2/NDF:29.8/37

All: 50.839+/-28.995 χ^2/NDF: 54.9/73

asym_bcm_an_us_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 206.949+/-0.038 χ^2/NDF:1283275.9/19

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

Left In: 179.756+/-0.033 χ^2/NDF:1636308.6/19

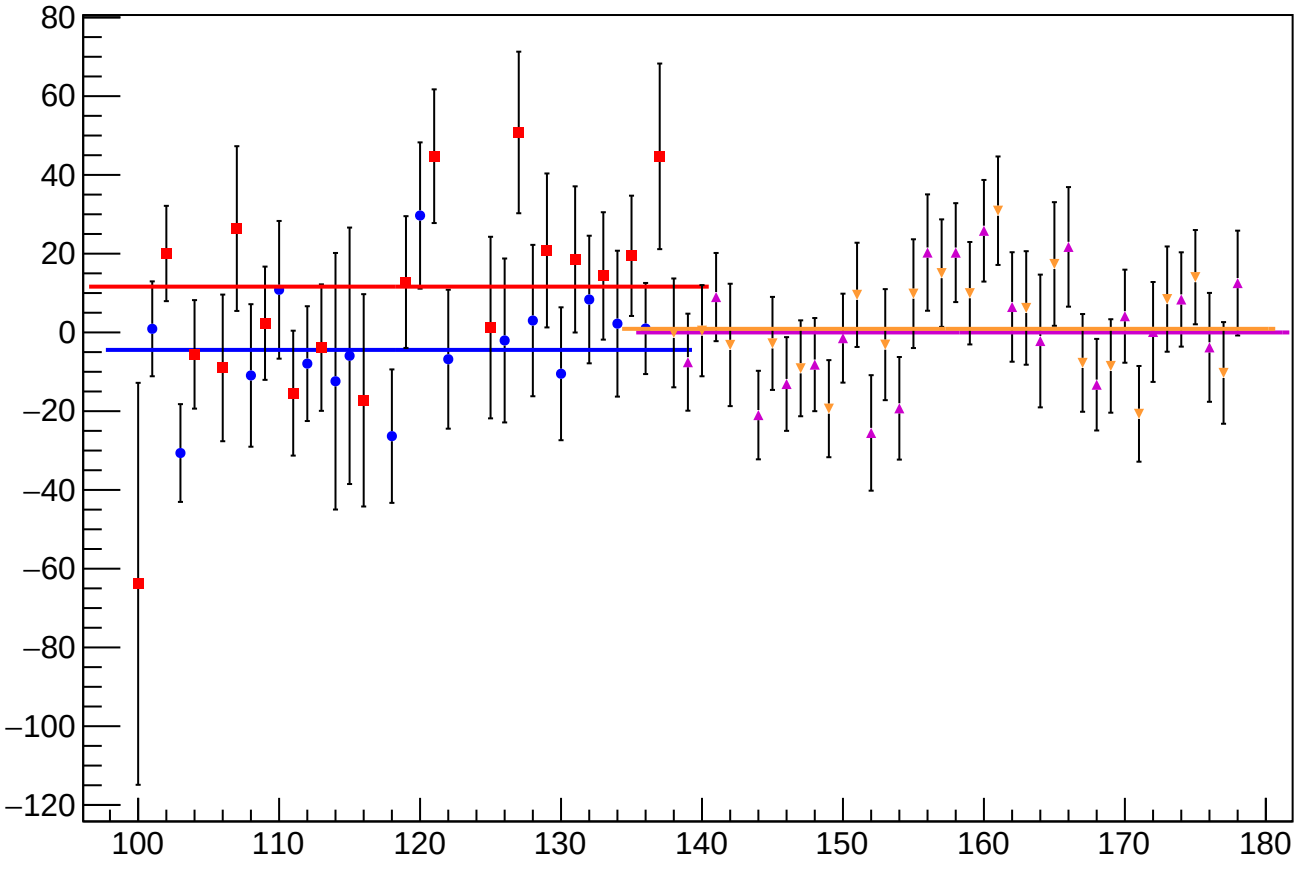
Left: 191.443+/-0.025 χ^2/NDF: 3210636.1/39

Right: 180.791+/-0.036 χ^2/NDF: 2751765.9/33

In: 183.585+/-0.028 χ^2/NDF:2733549.9/35

Out: 192.935+/-0.030 χ^2/NDF:3236255.3/37

All: 187.982+/-0.021 χ^2/NDF: 6021606.9/73



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: -0.009+/-2.844 χ^2/NDF:25.1/19

Left: 0.439+/-2.036 χ^2/NDF: 43.7/39

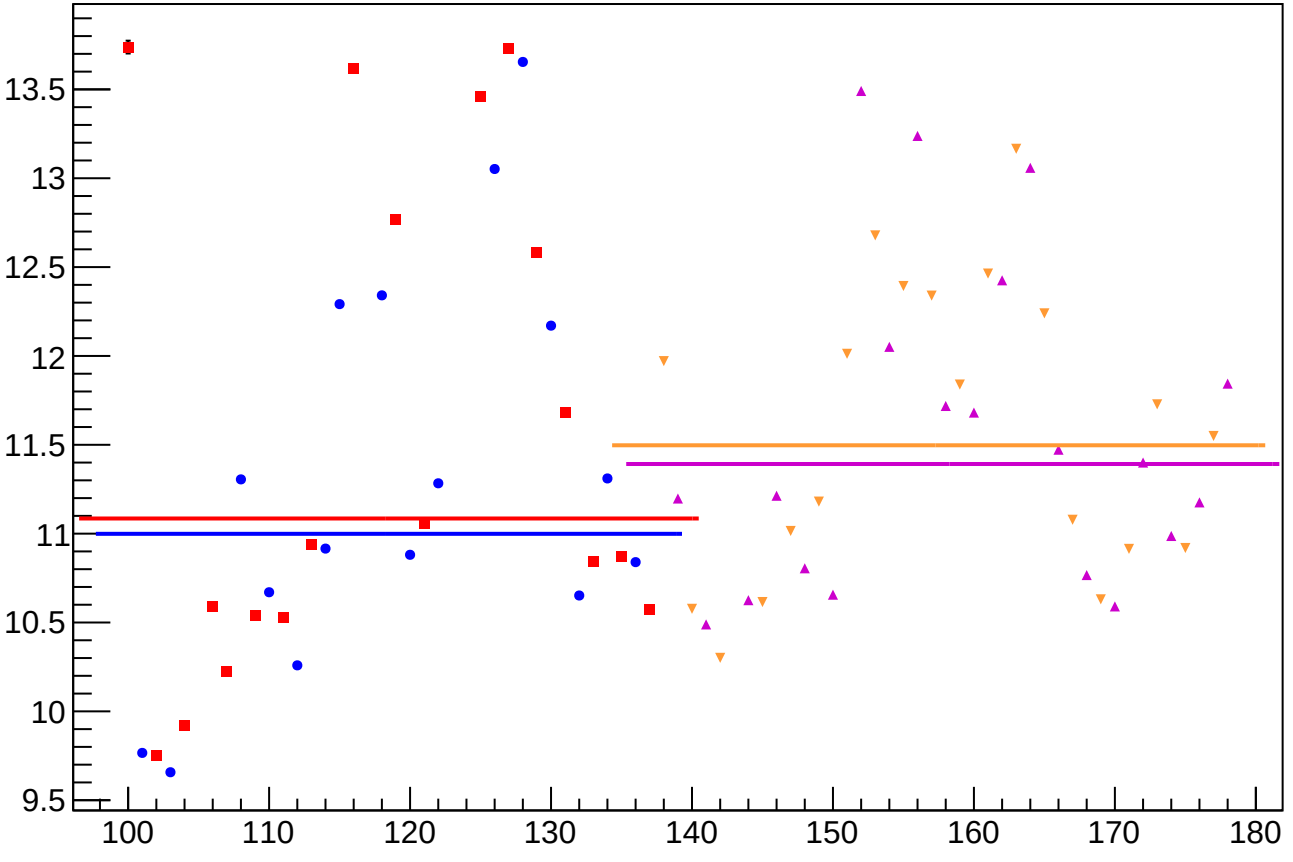
Right: 3.582+/-2.923 χ^2/NDF: 41.2/33

In: -1.434+/-2.343 χ^2/NDF:37.8/35

Out: 4.466+/-2.383 χ^2/NDF:44.7/37

All: 1.465+/-1.671 χ^2/NDF: 85.6/73

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: 11.392+/-0.002 χ^2/NDF:167034.3/19

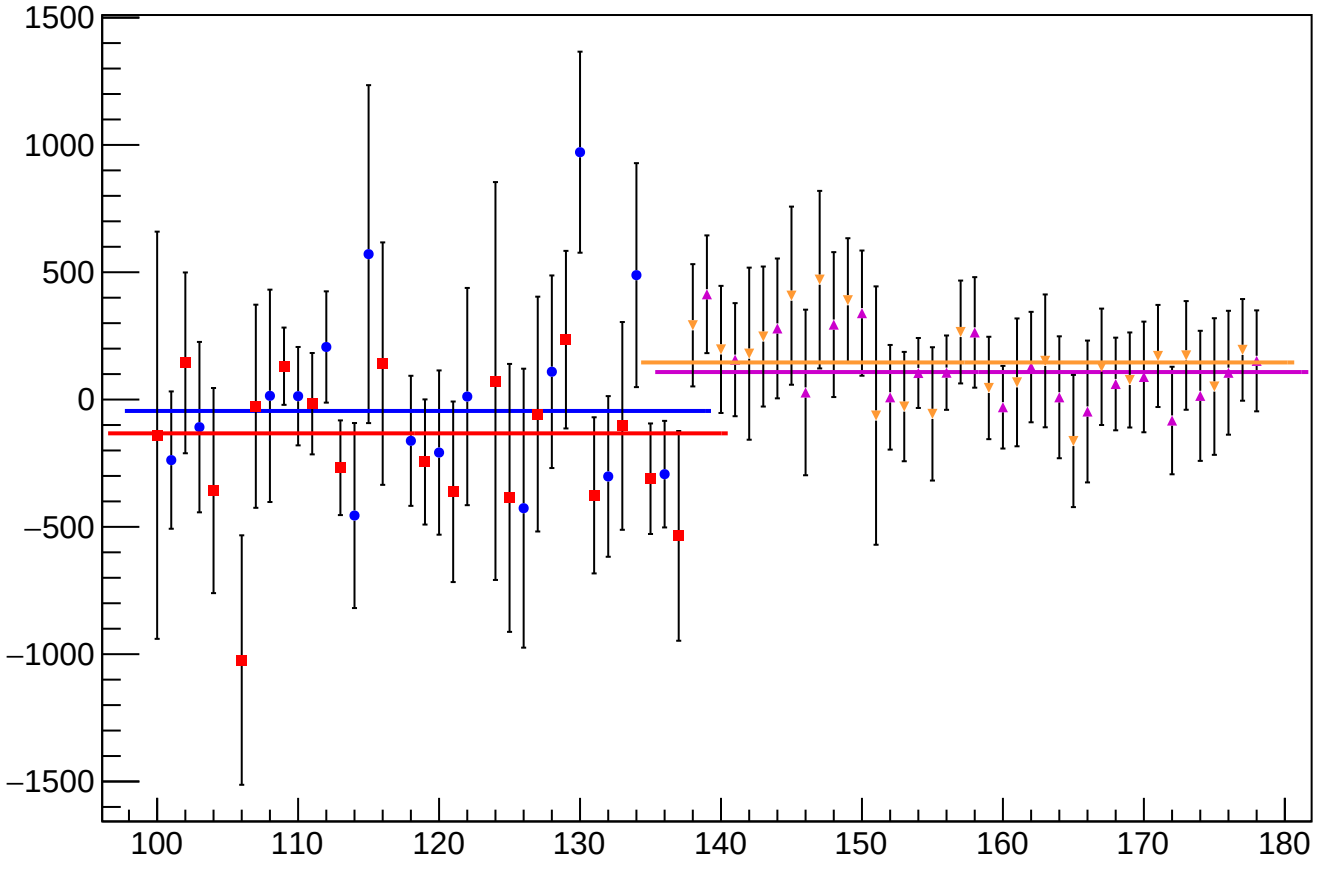
Left: 11.443+/-0.001 χ^2/NDF: 309253.3/39

Right: 11.042+/-0.002 χ^2/NDF: 298798.9/33

In: 11.266+/-0.002 χ^2/NDF:315469.1/35

Out: 11.361+/-0.002 χ^2/NDF:316340.6/37

All: 11.312+/-0.001 χ^2/NDF: 633425.3/73



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: 108.004+/-46.810 χ^2/NDF:6.6/19

Left: 124.557+/-35.062 χ^2/NDF: 13.8/40

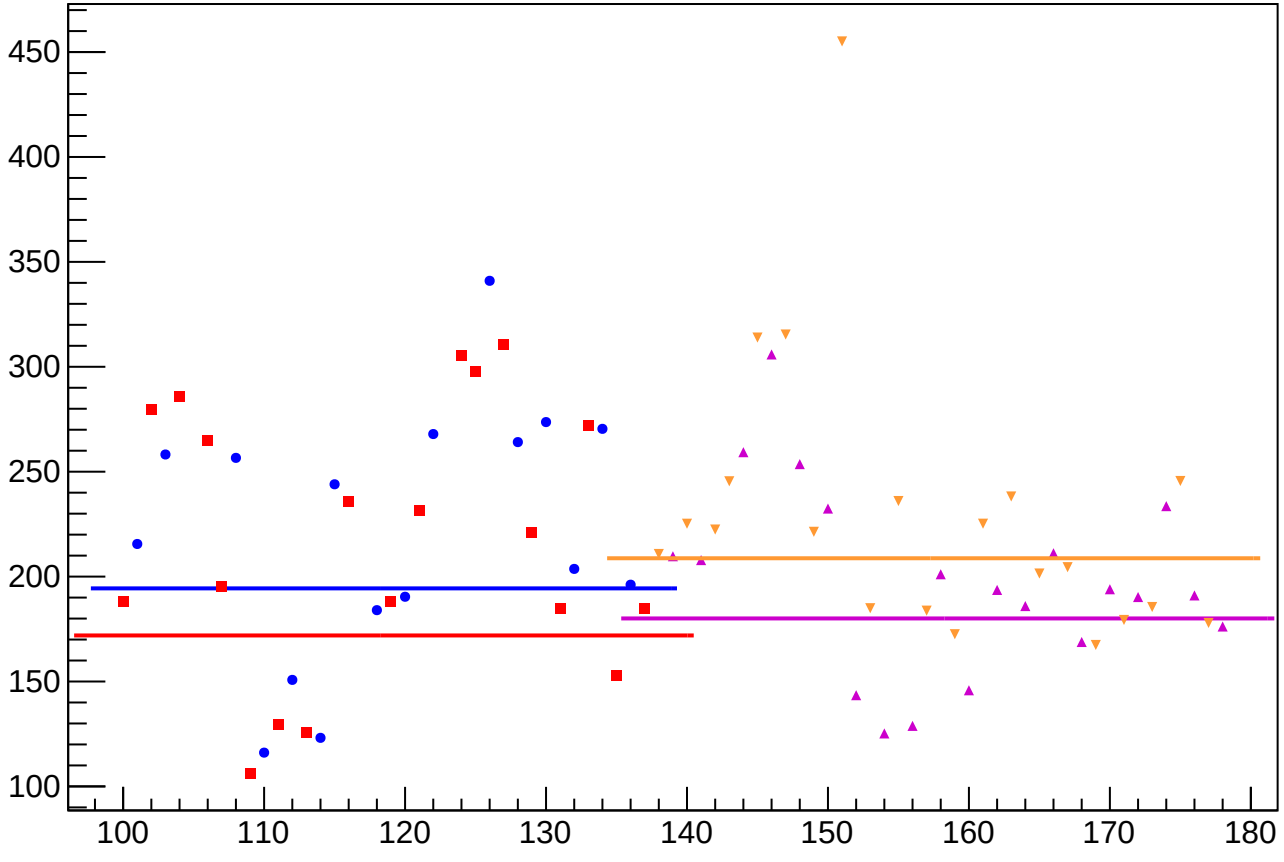
Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 66.318+/-39.917 χ^2/NDF:24.9/35

Out: 41.201+/-41.826 χ^2/NDF:30.1/39

All: 54.345+/-28.877 χ^2/NDF: 55.2/75

asym_bcm_an_us_an_ds3_avg_rms vs Slug, Sign Corrected



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 208.742+/-0.037 χ^2/NDF:1320607.9/20

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 180.055+/-0.033 χ^2/NDF:1636835.8/19

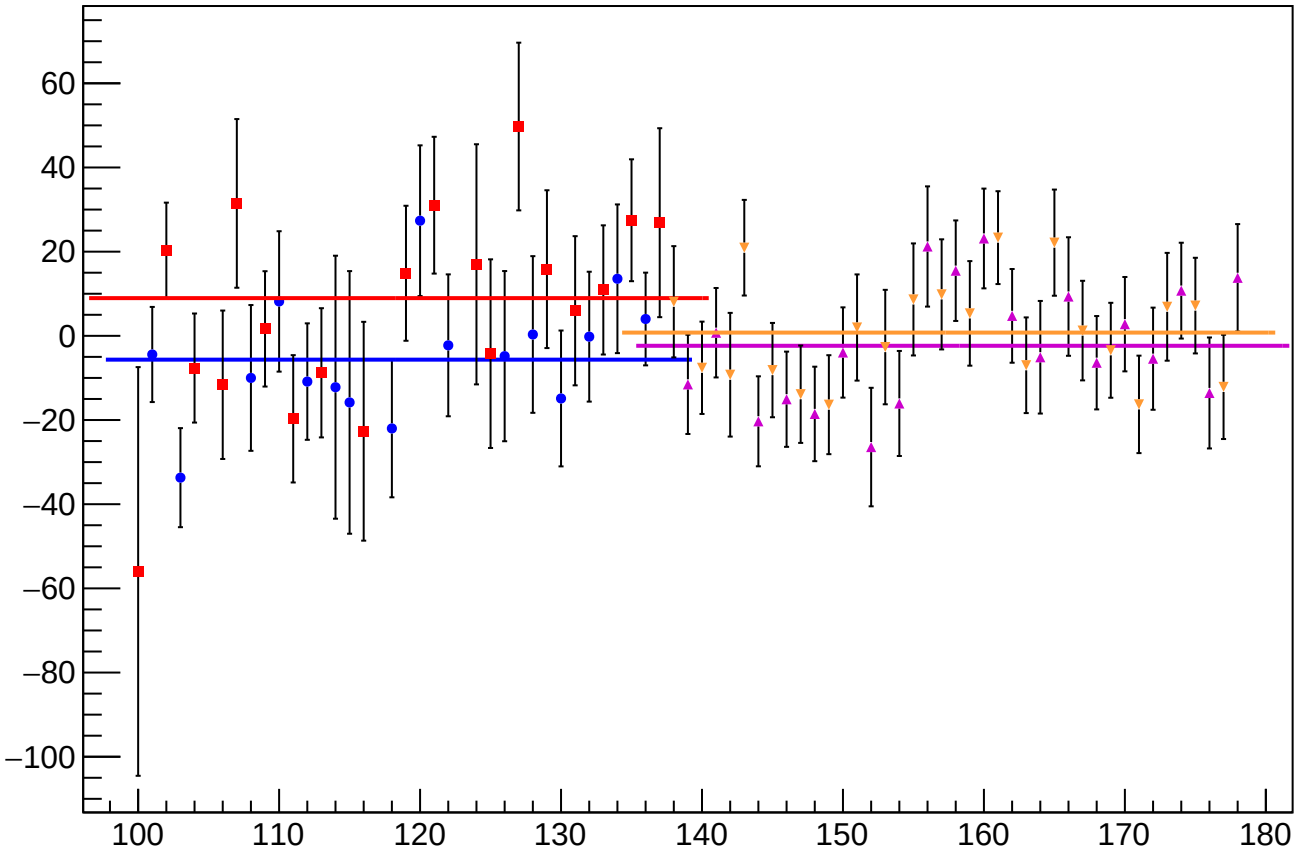
Left: 192.648+/-0.025 χ^2/NDF: 3287159.4/40

Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 183.965+/-0.028 χ^2/NDF:2729994.2/35

Out: 194.932+/-0.030 χ^2/NDF:3334817.8/39

All: 189.192+/-0.020 χ^2/NDF: 6136776.3/75



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: -2.363+/-2.664 χ^2/NDF:25.8/19

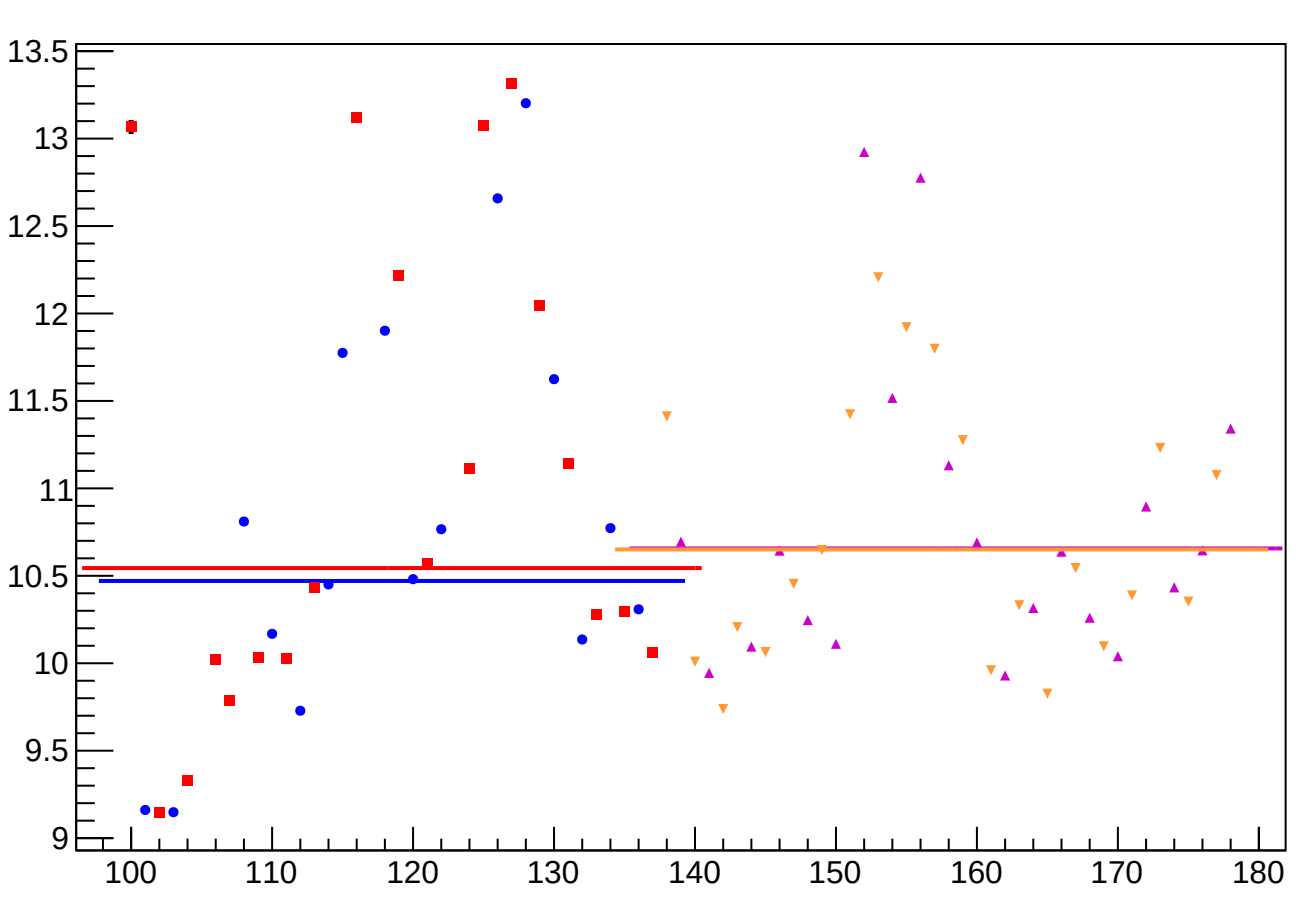
Left: -0.780+/-1.874 χ^2/NDF: 47.8/40

Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -3.396+/-2.207 χ^2/NDF:39.9/35

Out: 3.339+/-2.185 χ^2/NDF:47.2/39

All: 0.005+/-1.552 χ^2/NDF: 91.8/75



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: 10.656+/-0.002 χ^2/NDF:156706.1/19

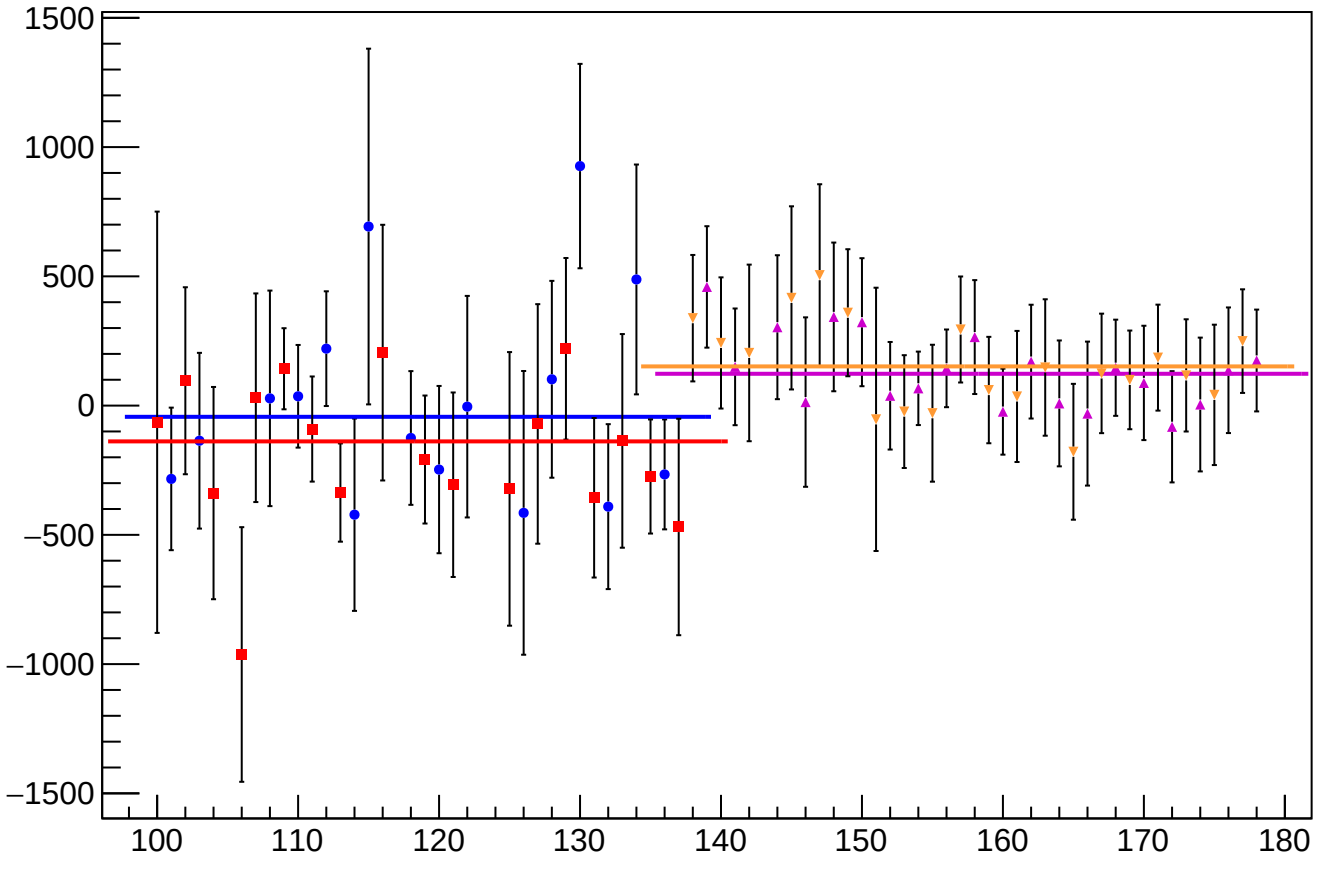
Left: 10.653+/-0.001 χ^2/NDF: 291244.2/40

Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.598+/-0.002 χ^2/NDF:317126.6/35

Out: 10.617+/-0.002 χ^2/NDF:322331.9/39

All: 10.608+/-0.001 χ^2/NDF: 639534.6/75



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: 123.077+/-47.618 χ^2/NDF:7.2/19

Left: 135.374+/-35.921 χ^2/NDF: 14.6/39

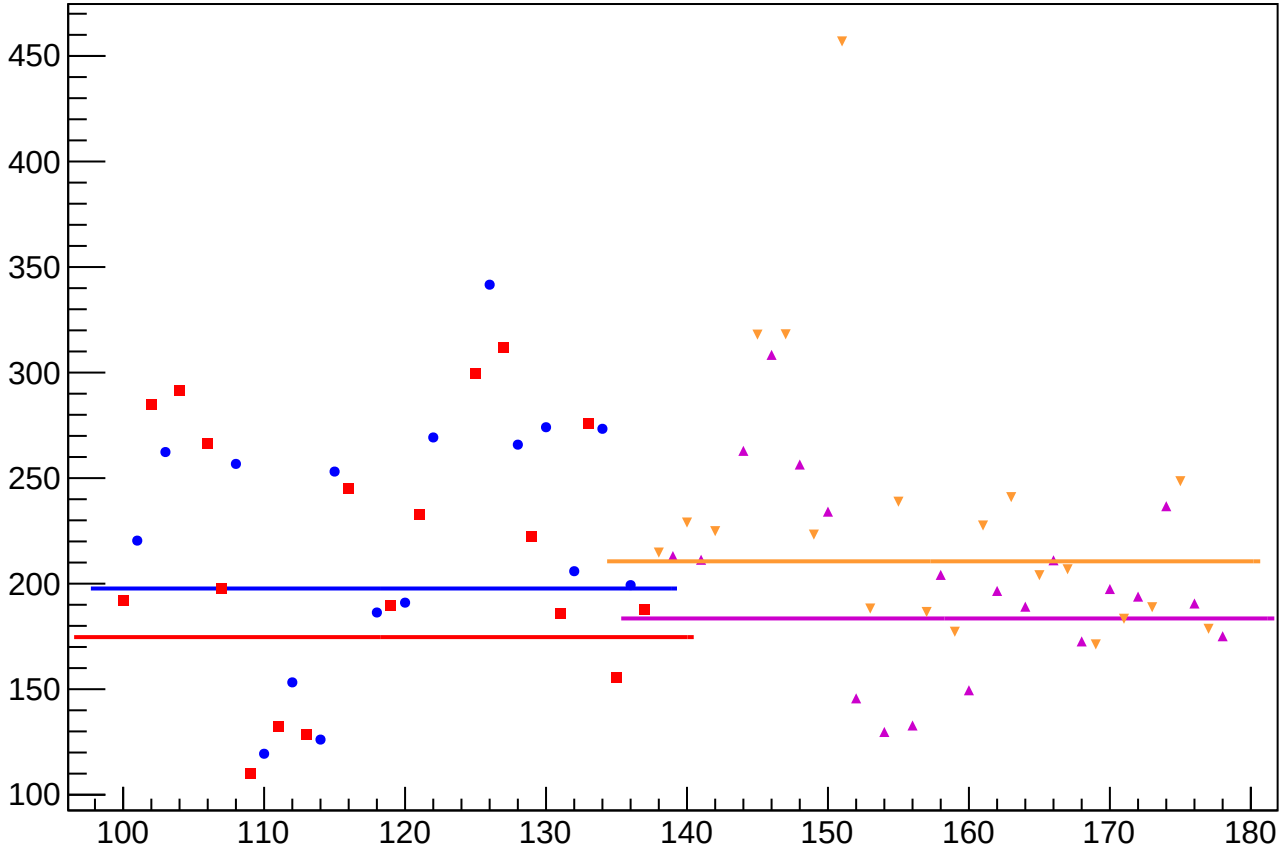
Right: -95.904+/-51.904 χ^2/NDF: 27.7/33

In: 77.528+/-40.584 χ^2/NDF:26.0/35

Out: 41.270+/-43.071 χ^2/NDF:29.5/37

All: 60.476+/-29.537 χ^2/NDF: 55.8/73

asym_bcm_dg_us_dg_ds_avg_rms vs Slug, Sign Corrected



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 210.581+/-0.039 χ^2/NDF:1249921.4/19

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

Left In: 183.516+/-0.034 χ^2/NDF:1545520.3/19

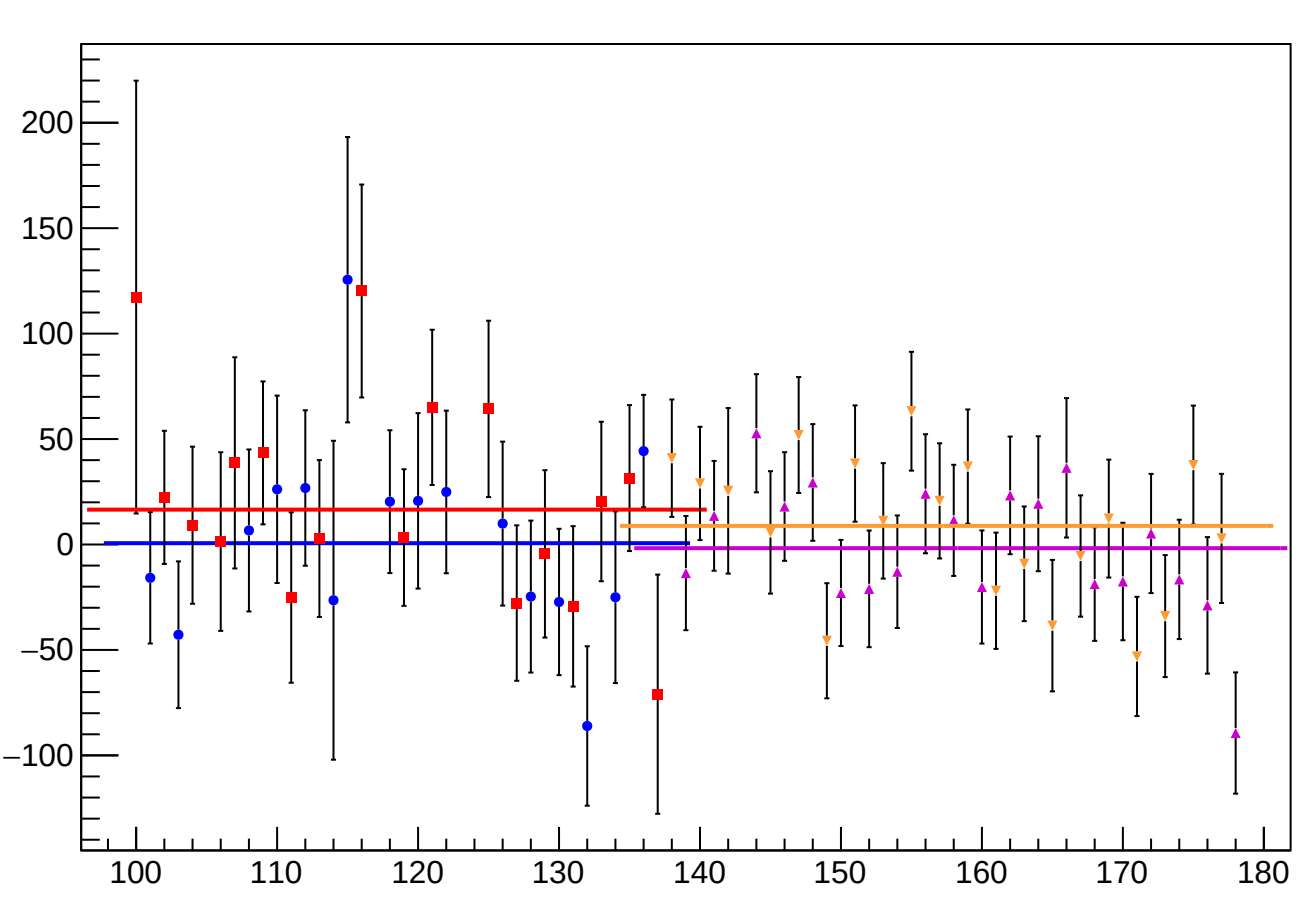
Left: 195.180+/-0.025 χ^2/NDF: 3073890.4/39

Right: 184.986+/-0.037 χ^2/NDF: 2632415.9/33

In: 187.399+/-0.029 χ^2/NDF:2594452.9/35

Out: 196.924+/-0.030 χ^2/NDF:3112207.4/37

All: 191.879+/-0.021 χ^2/NDF: 5758470.8/73



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: -1.747+/-6.224 χ^2/NDF:22.7/19

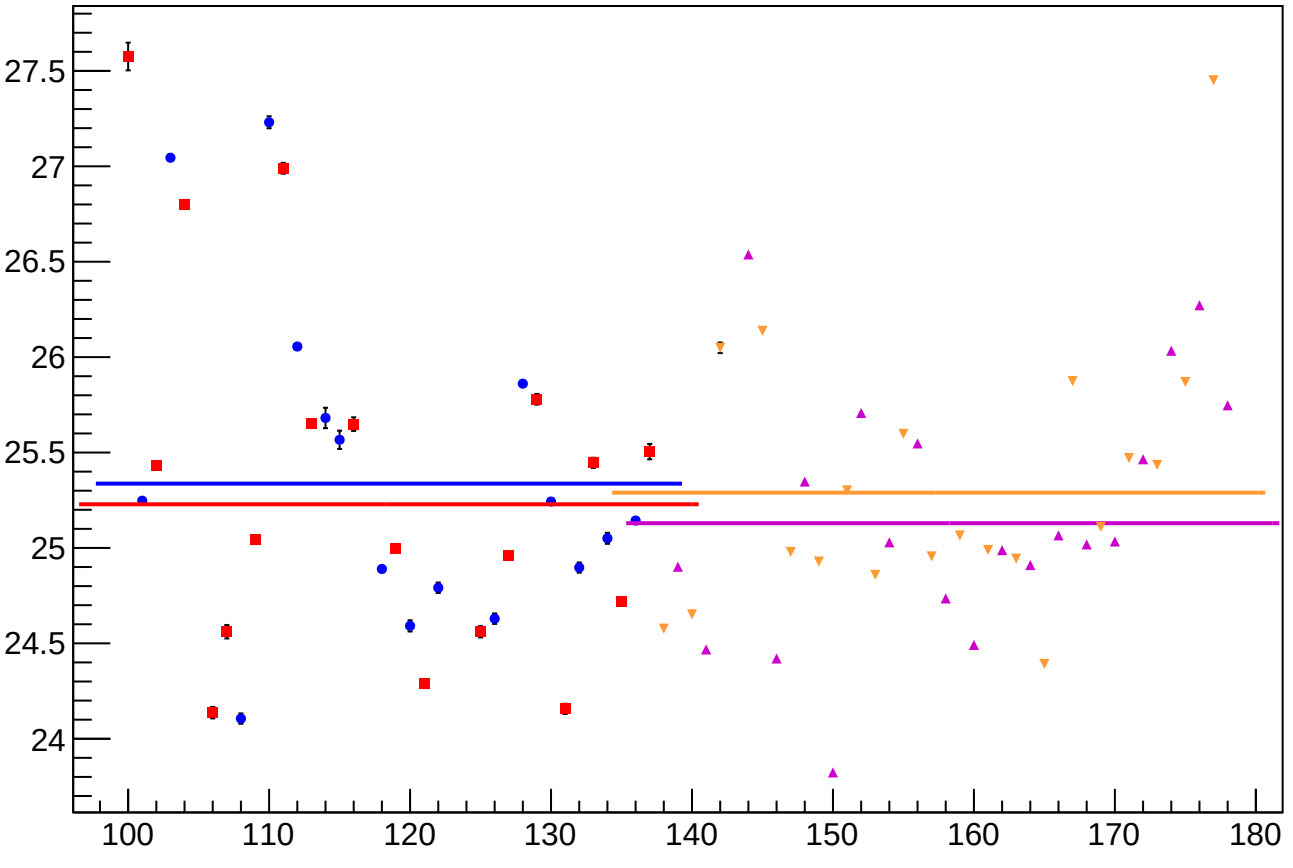
Left: 3.429+/-4.447 χ^2/NDF: 51.1/39

Right: 8.674+/-6.621 χ^2/NDF: 34.6/33

In: -1.028+/-5.193 χ^2/NDF:39.5/35

Out: 11.280+/-5.249 χ^2/NDF:43.8/37

All: 5.060+/-3.692 χ^2/NDF: 86.1/73



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: 25.130+/-0.004 χ^2/NDF:22381.3/19

Left: 25.208+/-0.003 χ^2/NDF: 43771.9/39

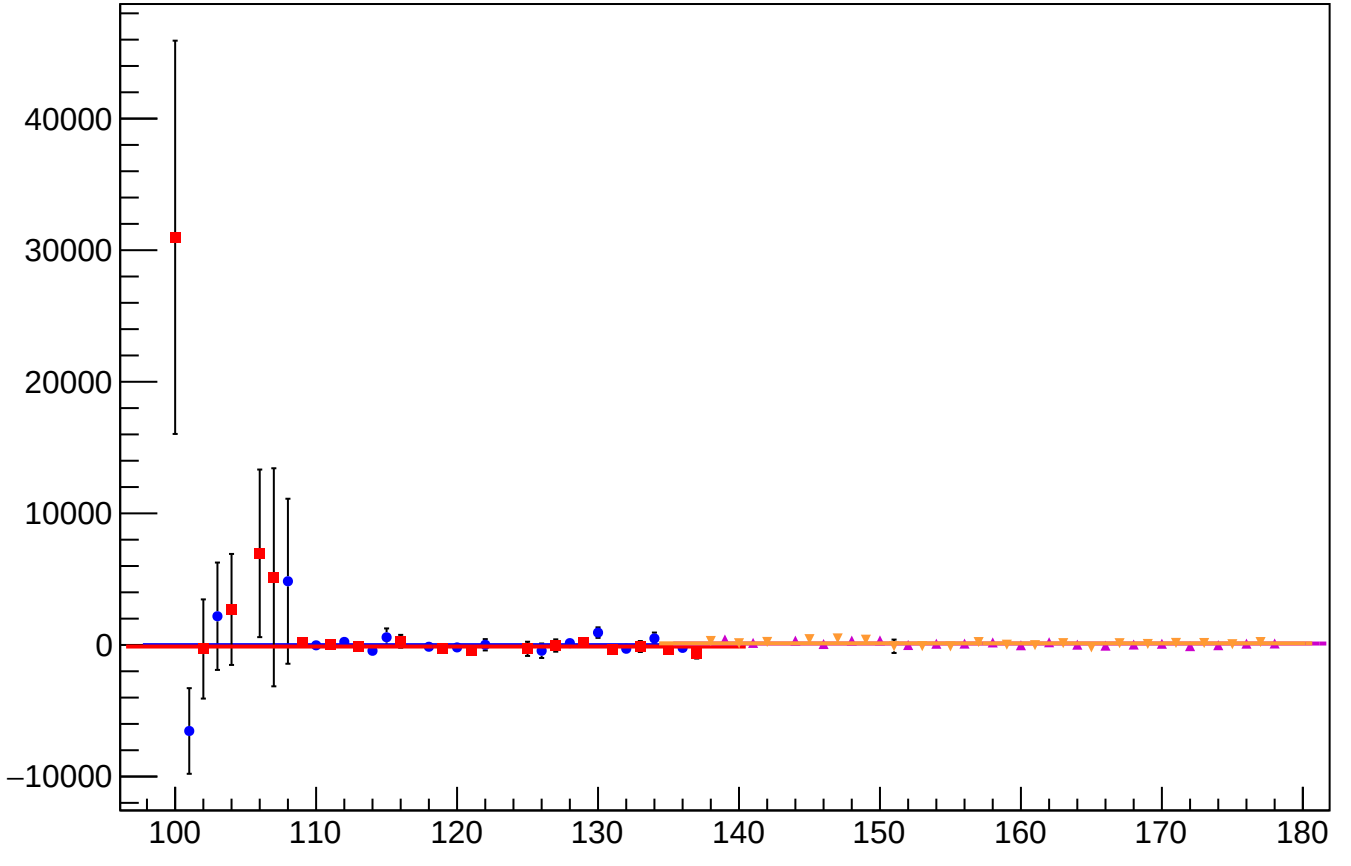
Right: 25.282+/-0.005 χ^2/NDF: 29624.6/33

In: 25.193+/-0.004 χ^2/NDF:37370.0/35

Out: 25.270+/-0.004 χ^2/NDF:35978.1/37

All: 25.231+/-0.003 χ^2/NDF: 73569.4/73

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: 108.033+/-48.170 χ^2/NDF:6.7/19

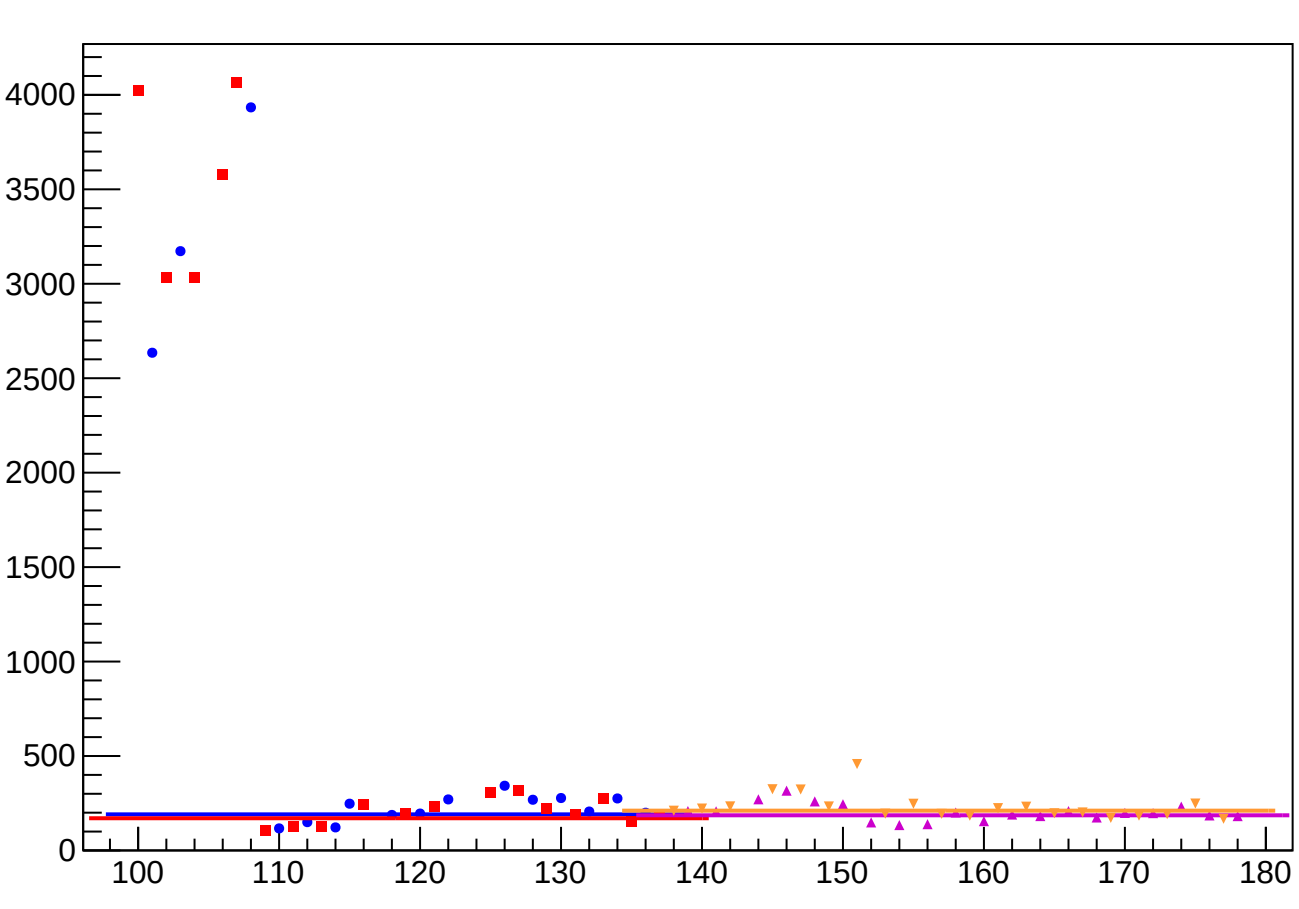
Left: 114.693+/-36.165 χ^2/NDF: 15.0/39

Right: -70.641+/-57.398 χ^2/NDF: 33.6/33

In: 78.285+/-41.842 χ^2/NDF:26.6/35

Out: 43.339+/-44.858 χ^2/NDF:29.0/37

All: 62.026+/-30.598 χ^2/NDF: 56.0/73



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: 186.125+/-0.034 χ^2/NDF:1405794.8/19

Left: 196.840+/-0.026 χ^2/NDF: 2913628.0/39

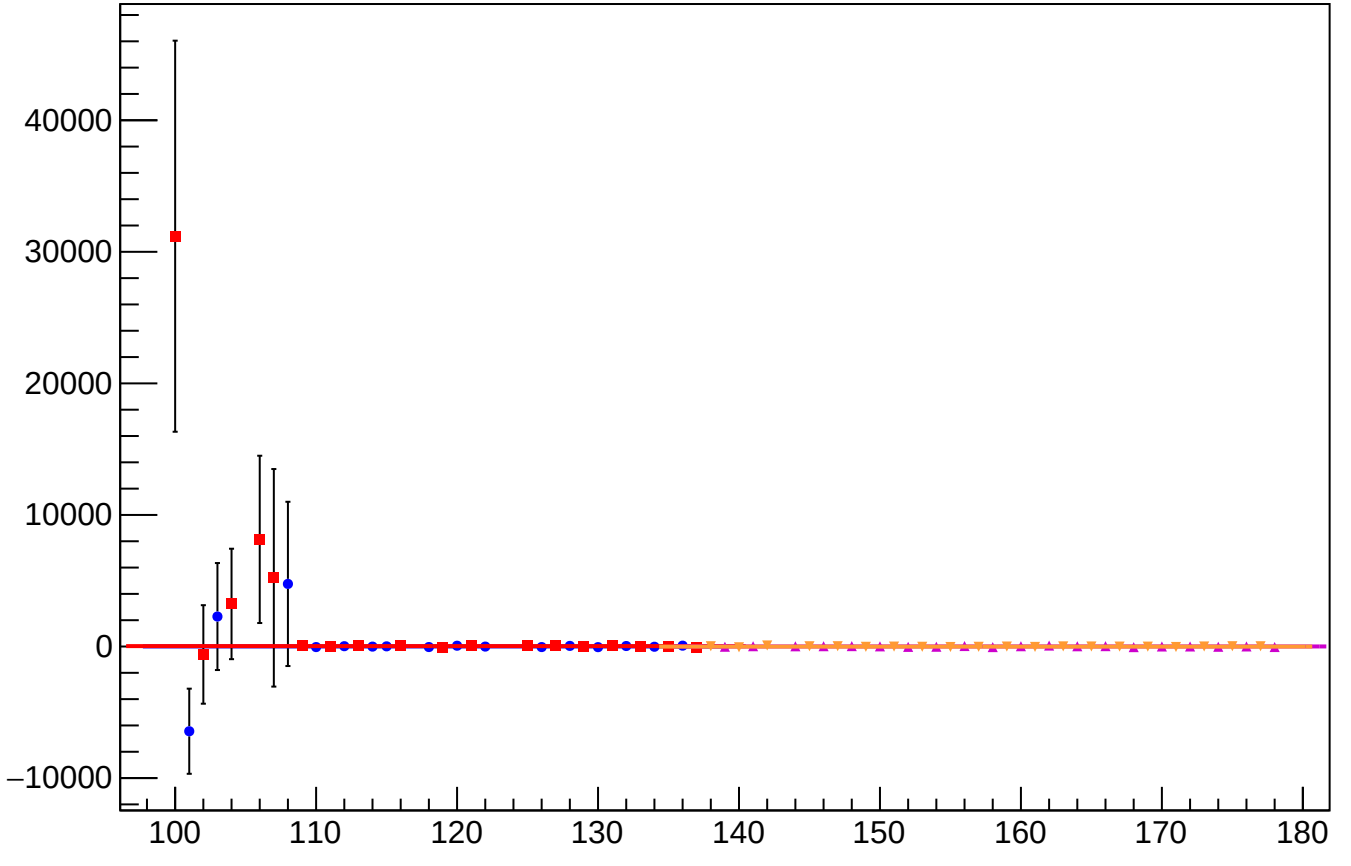
Right: 179.998+/-0.041 χ^2/NDF: 8152654.9/33

In: 187.339+/-0.030 χ^2/NDF:5244920.1/35

Out: 197.474+/-0.032 χ^2/NDF:5890040.0/37

All: 192.054+/-0.022 χ^2/NDF: 11189552.2/73

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: 4.735+/-7.148 χ^2/NDF:18.3/19

Left: -0.400+/-5.084 χ^2/NDF: 32.4/39

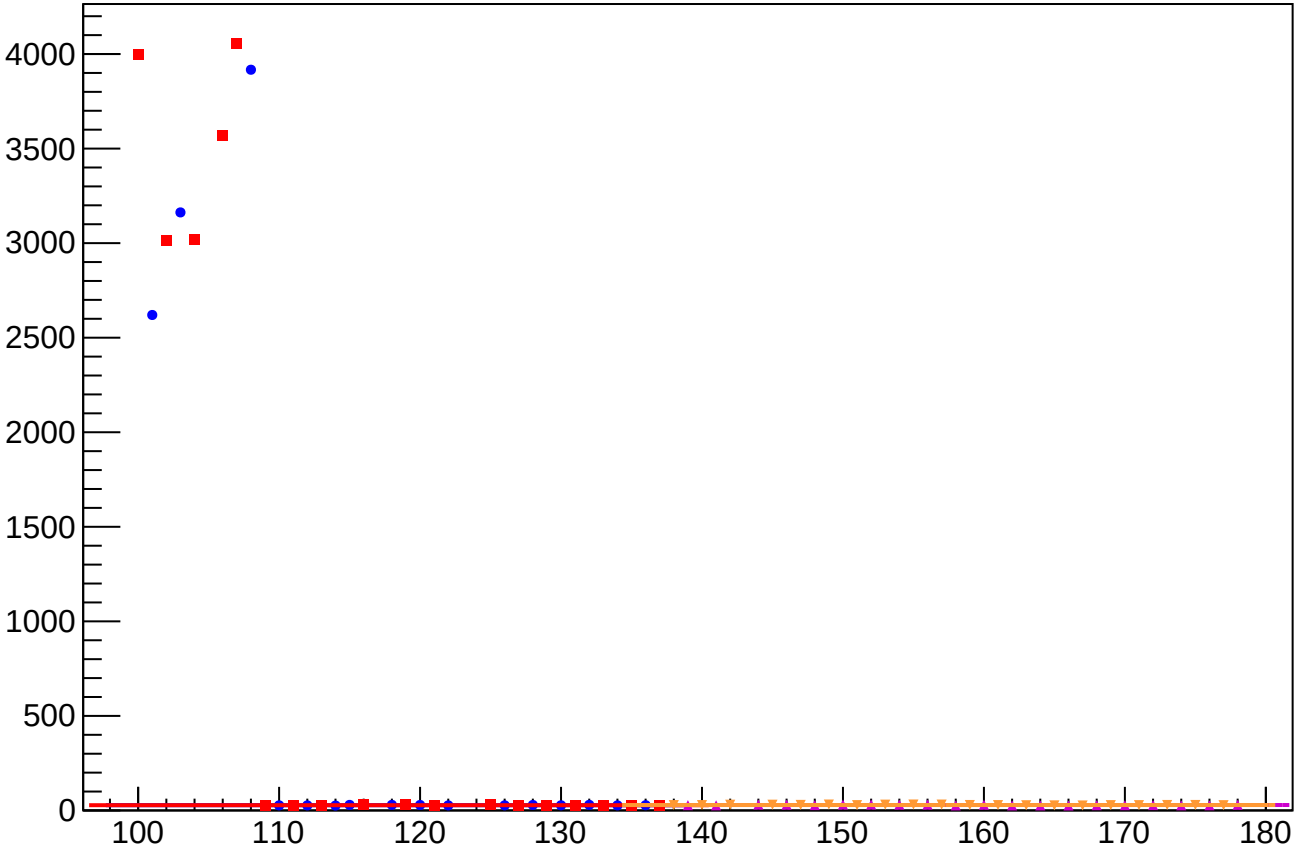
Right: 18.290+/-8.429 χ^2/NDF: 40.2/33

In: 5.208+/-6.109 χ^2/NDF:36.6/35

Out: 3.941+/-6.205 χ^2/NDF:39.6/37

All: 4.585+/-4.353 χ^2/NDF: 76.3/73

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 28.722+/-0.005 χ^2/NDF:74819.3/19

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

Left In: 28.787+/-0.005 χ^2/NDF:123668.3/19

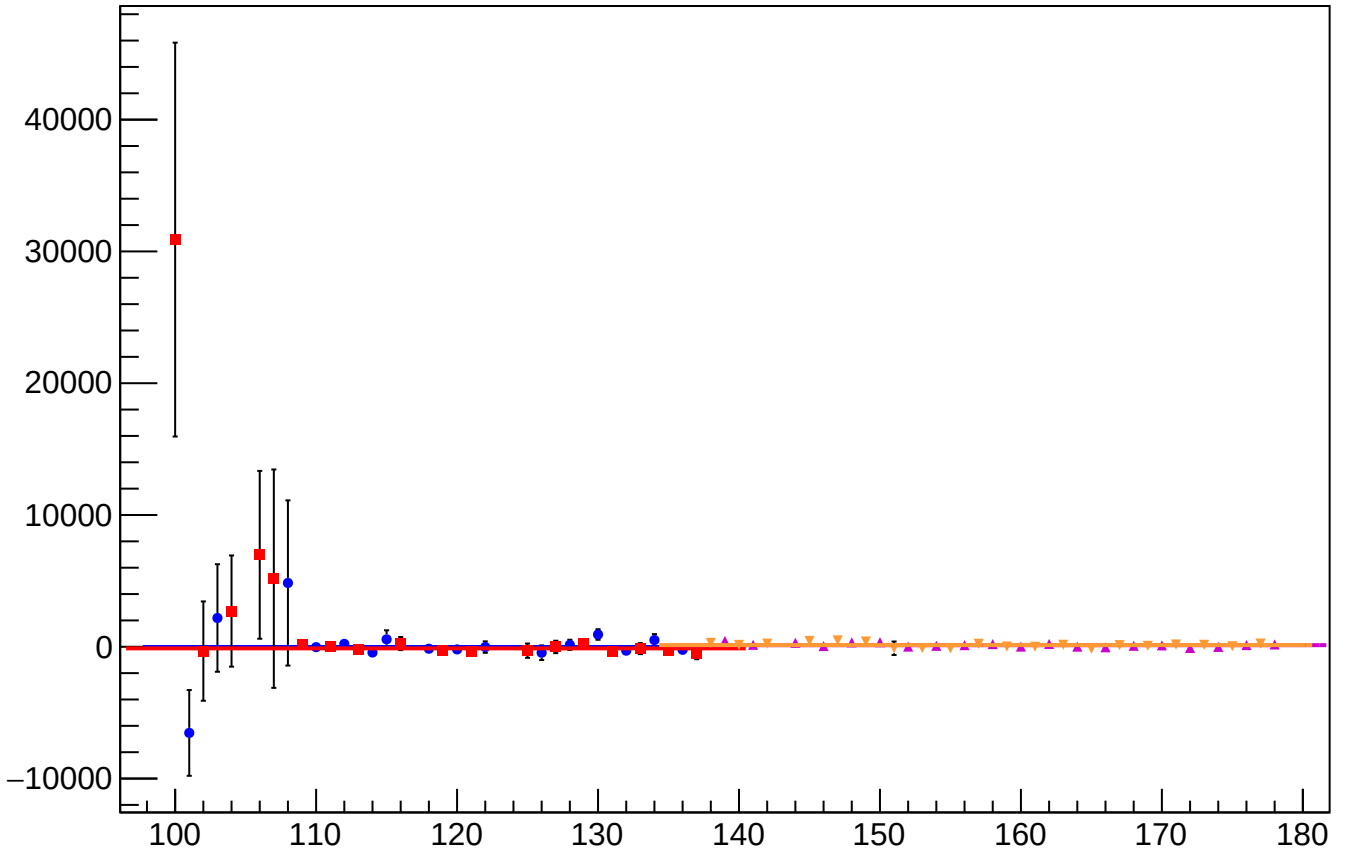
Left: 28.755+/-0.004 χ^2/NDF: 198570.3/39

Right: 27.802+/-0.006 χ^2/NDF: 6824309.2/33

In: 28.528+/-0.004 χ^2/NDF:3399344.7/35

Out: 28.473+/-0.004 χ^2/NDF:3642204.0/37

All: 28.501+/-0.003 χ^2/NDF: 7041627.5/73



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: 120.701+/-48.611 χ^2/NDF:6.6/19

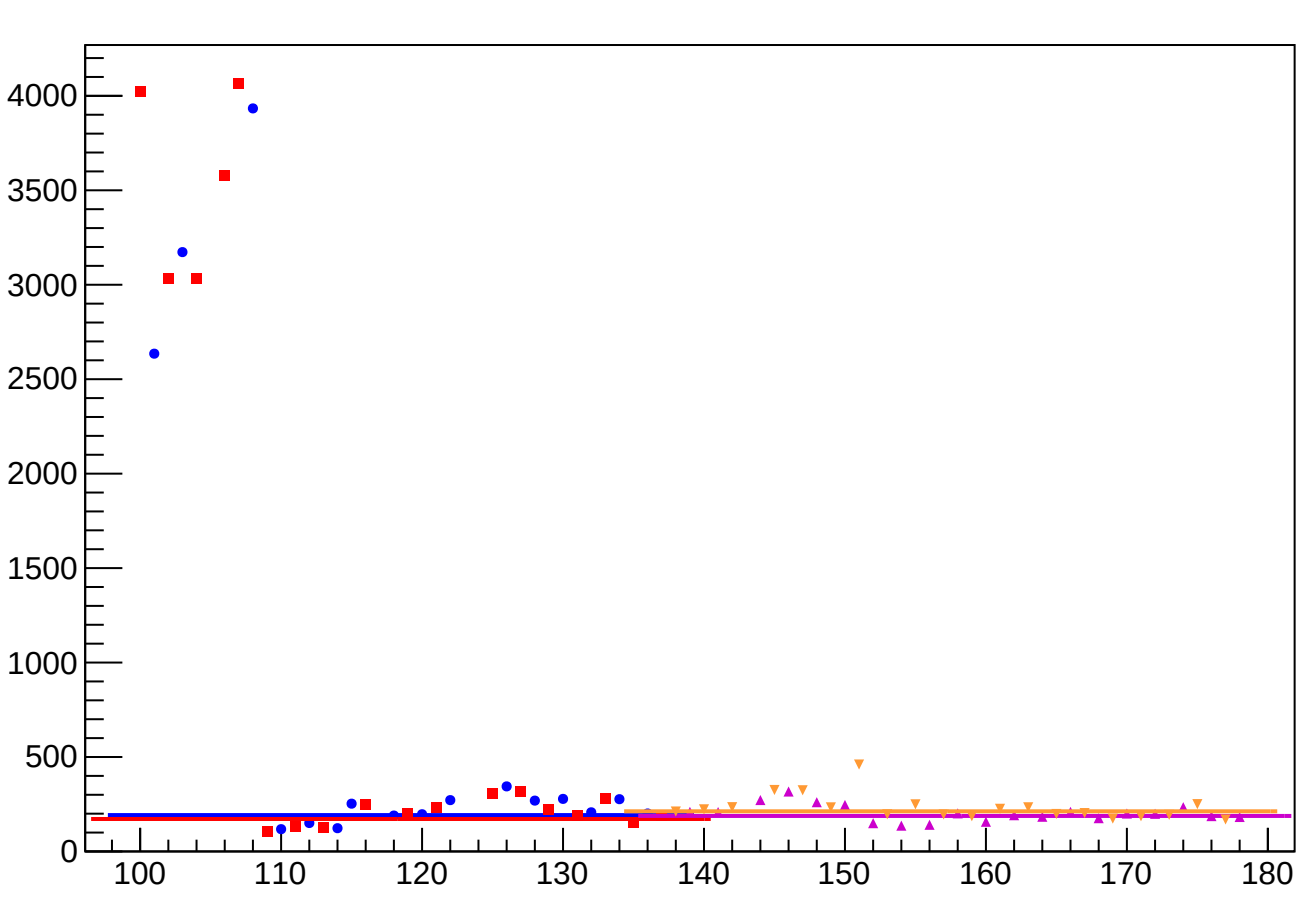
Left: 124.329+/-36.483 χ^2/NDF: 14.7/39

Right: -74.398+/-57.825 χ^2/NDF: 32.2/33

In: 86.180+/-42.206 χ^2/NDF:26.9/35

Out: 46.582+/-45.222 χ^2/NDF:28.1/37

All: 67.746+/-30.855 χ^2/NDF: 55.4/73



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: 187.973+/-0.034 χ^2/NDF:1365707.7/19

Left: 198.700+/-0.026 χ^2/NDF: 2851489.5/39

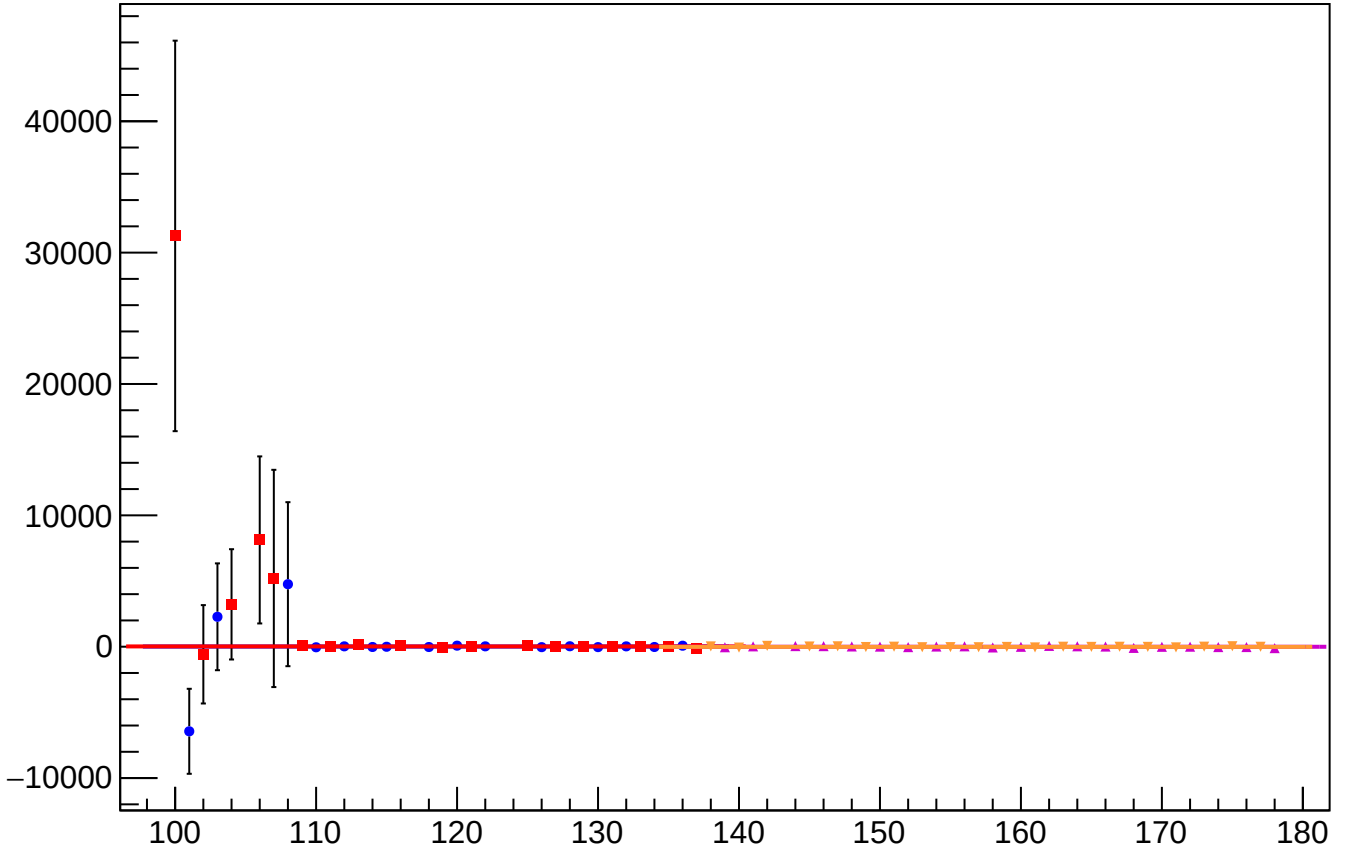
Right: 181.447+/-0.041 χ^2/NDF: 8134058.4/33

In: 189.103+/-0.030 χ^2/NDF:5192880.0/35

Out: 199.165+/-0.032 χ^2/NDF:5867093.7/37

All: 193.787+/-0.022 χ^2/NDF: 11112901.0/73

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: -4.689+/-7.777 χ^2/NDF:32.0/19

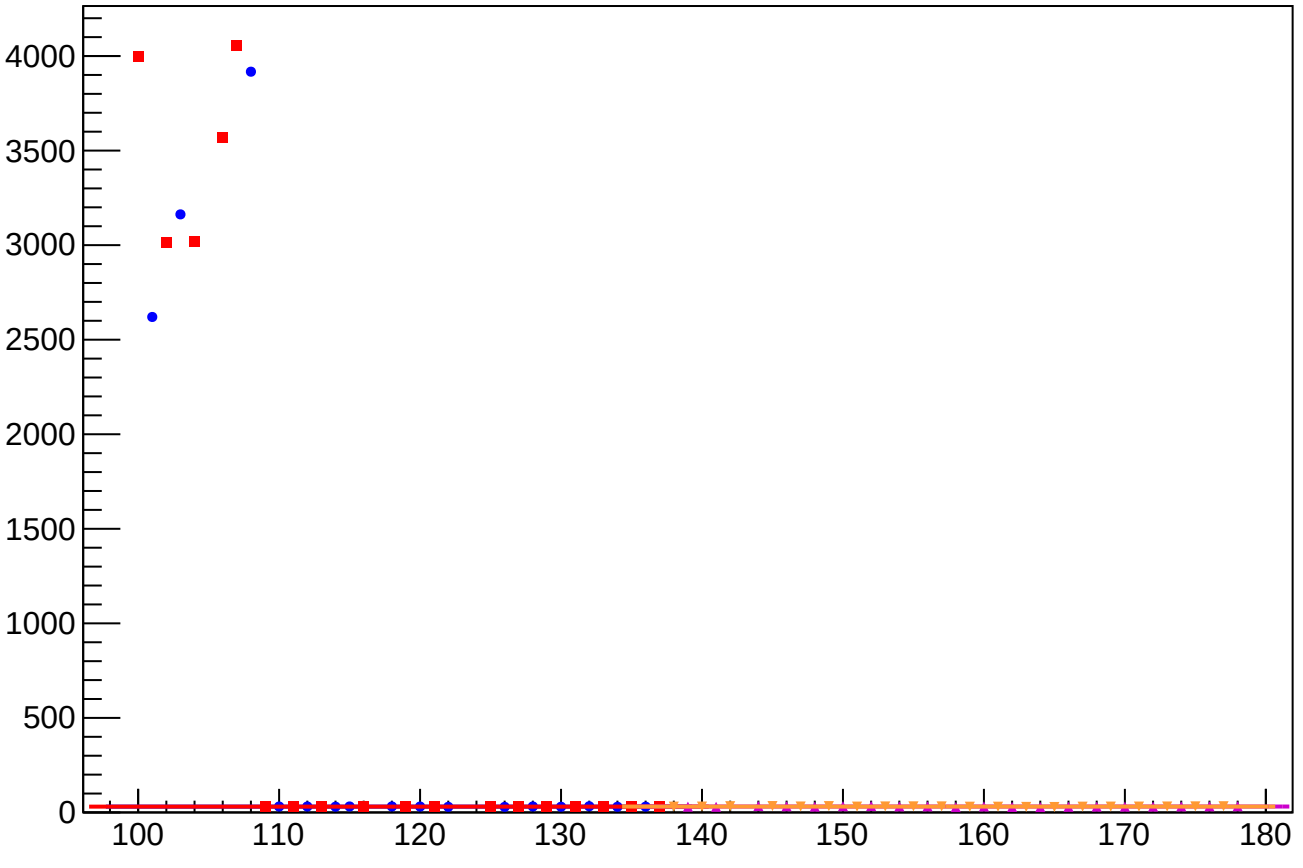
Left: -8.576+/-5.526 χ^2/NDF: 47.4/39

Right: 17.710+/-9.347 χ^2/NDF: 44.0/33

In: 0.127+/-6.683 χ^2/NDF:48.9/35

Out: -3.716+/-6.772 χ^2/NDF:48.3/37

All: -1.769+/-4.757 χ^2/NDF: 97.3/73



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: 31.346+/-0.005 χ^2/NDF:83916.4/19

Left: 31.279+/-0.004 χ^2/NDF: 131107.7/39

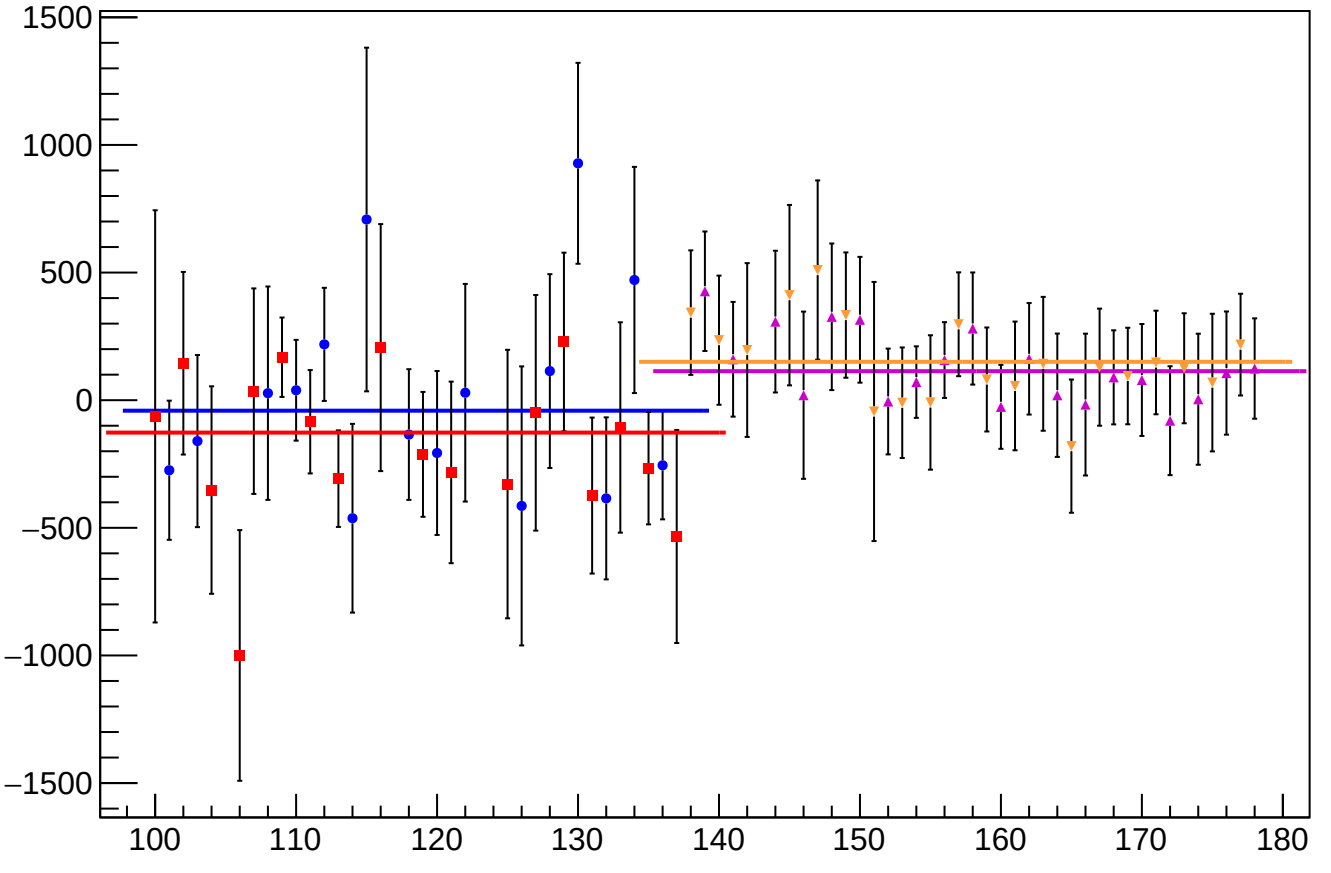
Right: 30.868+/-0.007 χ^2/NDF: 6788655.9/33

In: 31.237+/-0.005 χ^2/NDF:3338032.2/35

Out: 31.107+/-0.005 χ^2/NDF:3584236.6/37

All: 31.173+/-0.003 χ^2/NDF: 6922637.9/73

asym_bcm_dg_us_an_us_avg_mean vs Slug, Sign Corrected



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: 113.669+/-47.258 χ^2/NDF:6.9/19

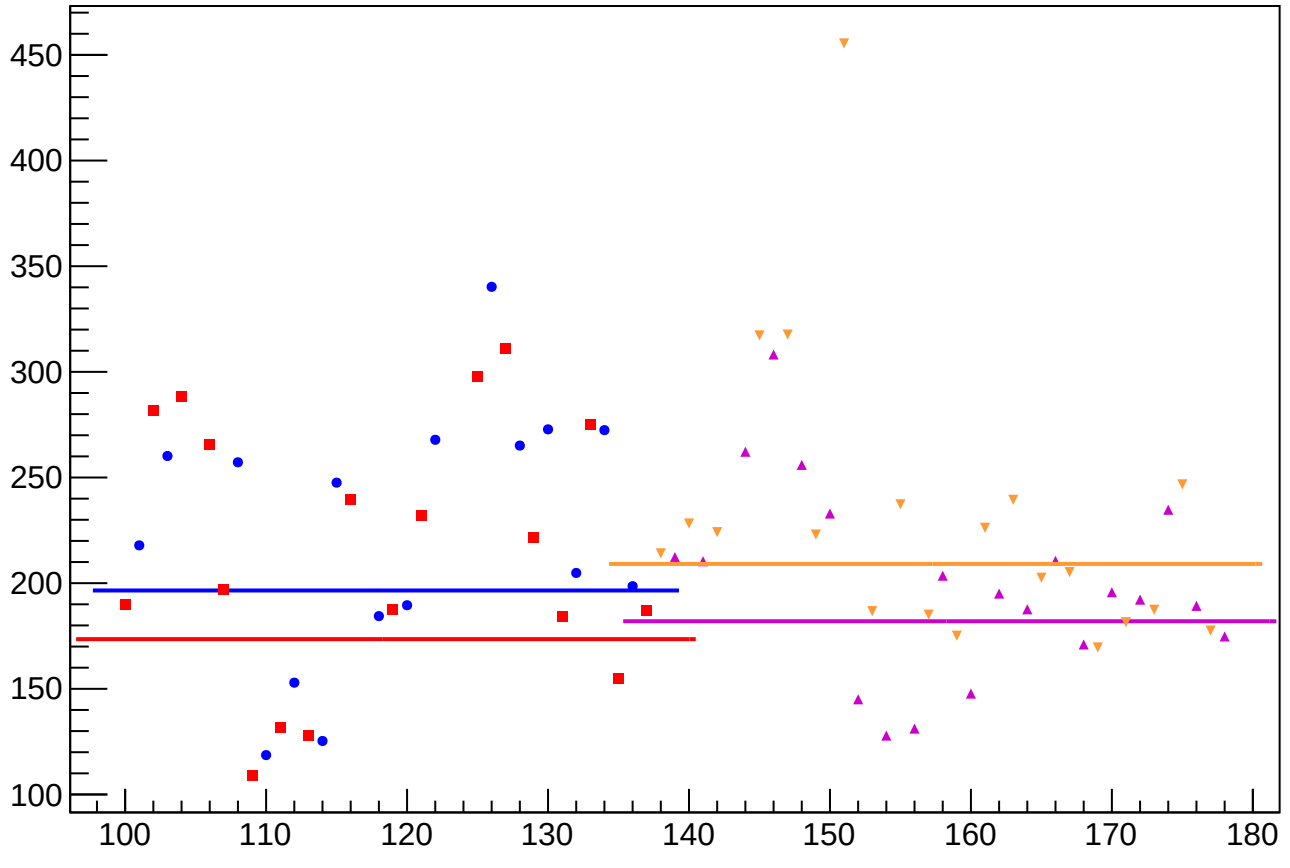
Left: 129.445+/-35.666 χ^2/NDF: 13.8/39

Right: -88.533+/-51.586 χ^2/NDF: 29.1/33

In: 71.429+/-40.297 χ^2/NDF:25.5/35

Out: 44.871+/-42.792 χ^2/NDF:29.3/37

All: 58.947+/-29.337 χ^2/NDF: 55.0/73



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: 181.980+/-0.033 χ^2/NDF:1588259.1/19

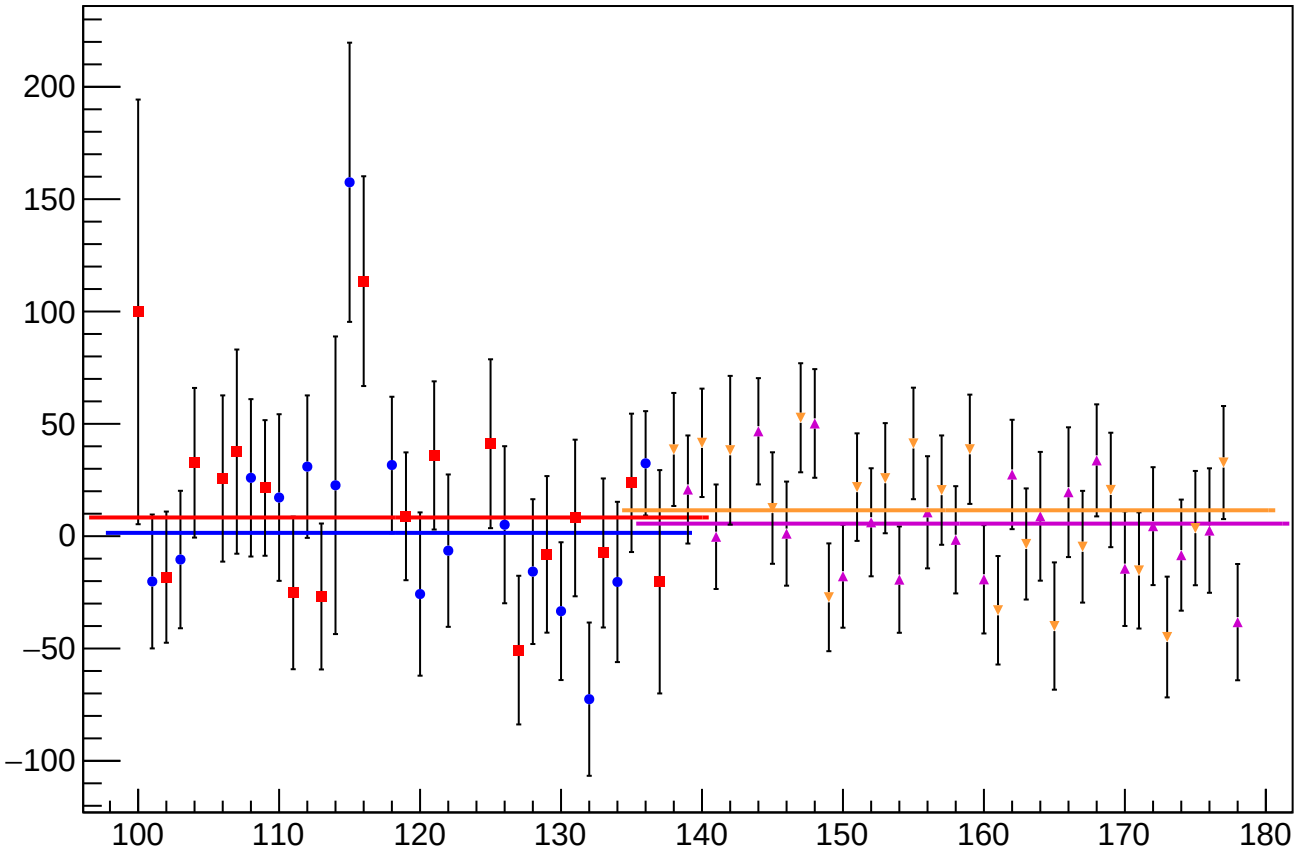
Left: 193.657+/-0.025 χ^2/NDF: 3143200.3/39

Right: 183.810+/-0.036 χ^2/NDF: 2632060.1/33

In: 185.954+/-0.028 χ^2/NDF:2640851.8/35

Out: 195.568+/-0.030 χ^2/NDF:3130221.4/37

All: 190.472+/-0.021 χ^2/NDF: 5824572.0/73



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: 5.583+/-5.541 χ^2/NDF:16.4/19

Left: 8.501+/-3.952 χ^2/NDF: 43.1/39

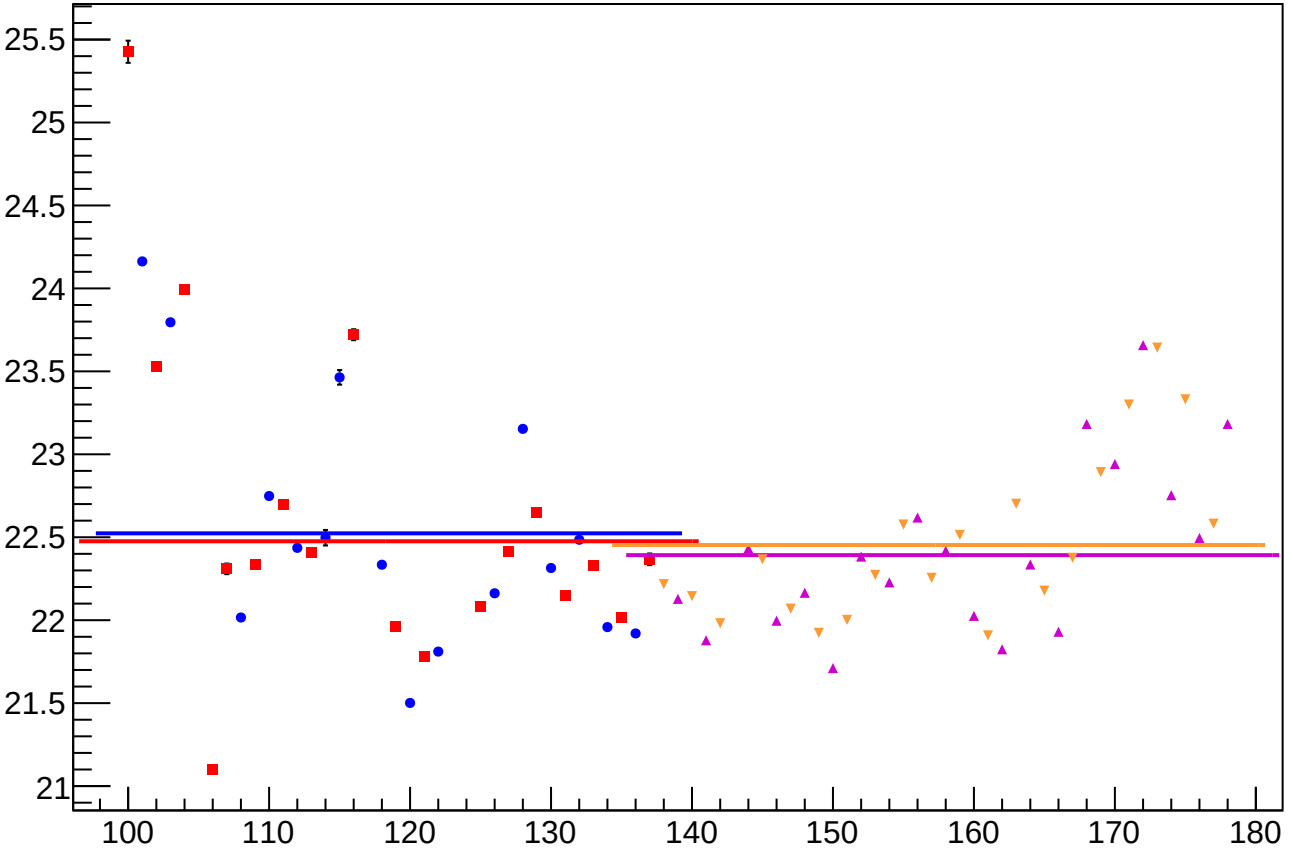
Right: 4.937+/-5.889 χ^2/NDF: 35.0/33

In: 4.332+/-4.620 χ^2/NDF:35.3/35

Out: 10.511+/-4.662 χ^2/NDF:42.2/37

All: 7.394+/-3.282 χ^2/NDF: 78.4/73

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: 22.392+/-0.004 χ^2/NDF:15991.4/19

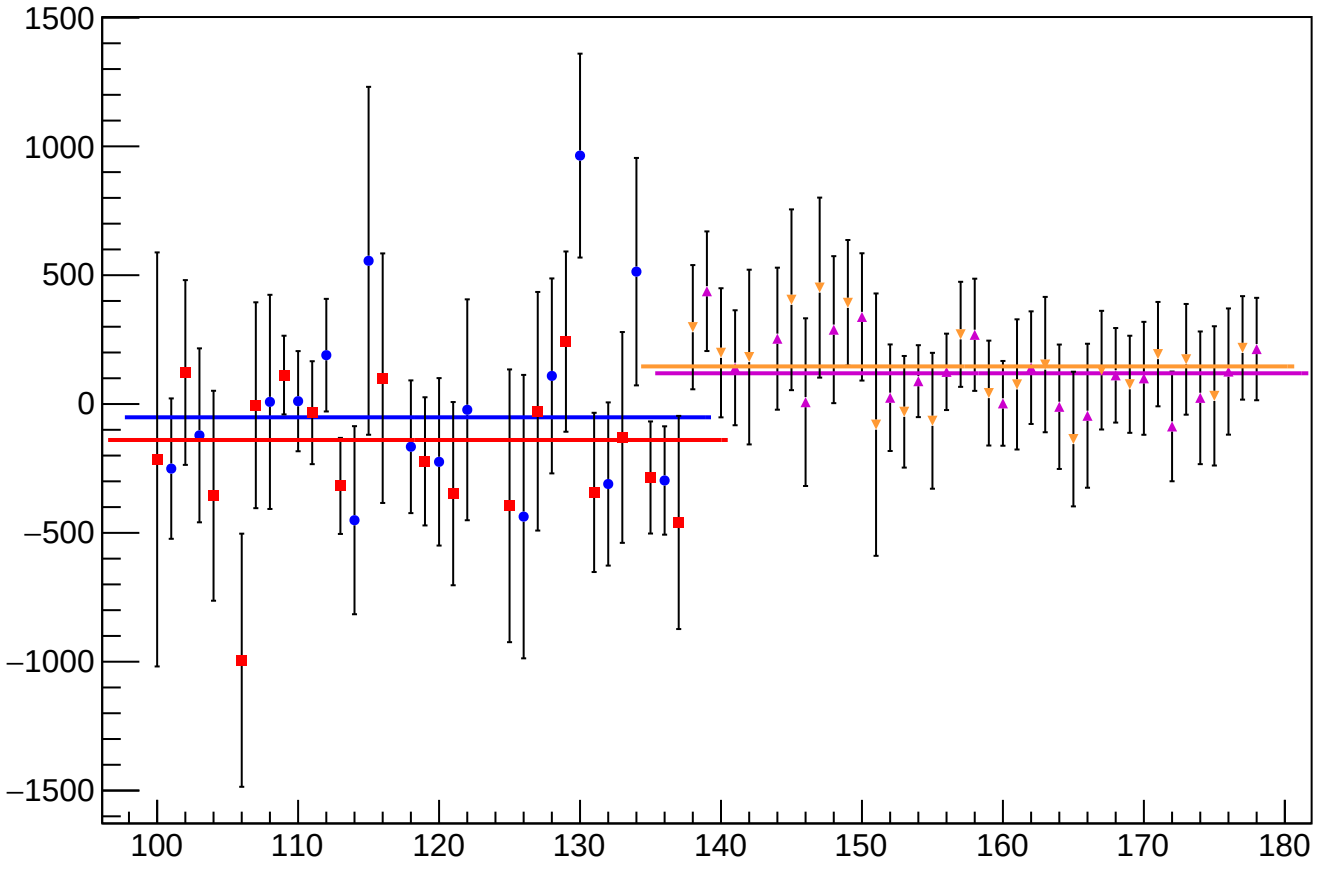
Left: 22.422+/-0.003 χ^2/NDF: 30056.0/39

Right: 22.499+/-0.004 χ^2/NDF: 31517.5/33

In: 22.432+/-0.003 χ^2/NDF:32282.1/35

Out: 22.460+/-0.003 χ^2/NDF:29492.8/37

All: 22.446+/-0.002 χ^2/NDF: 61811.2/73



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: 119.348+/-47.203 χ^2/NDF:6.6/19

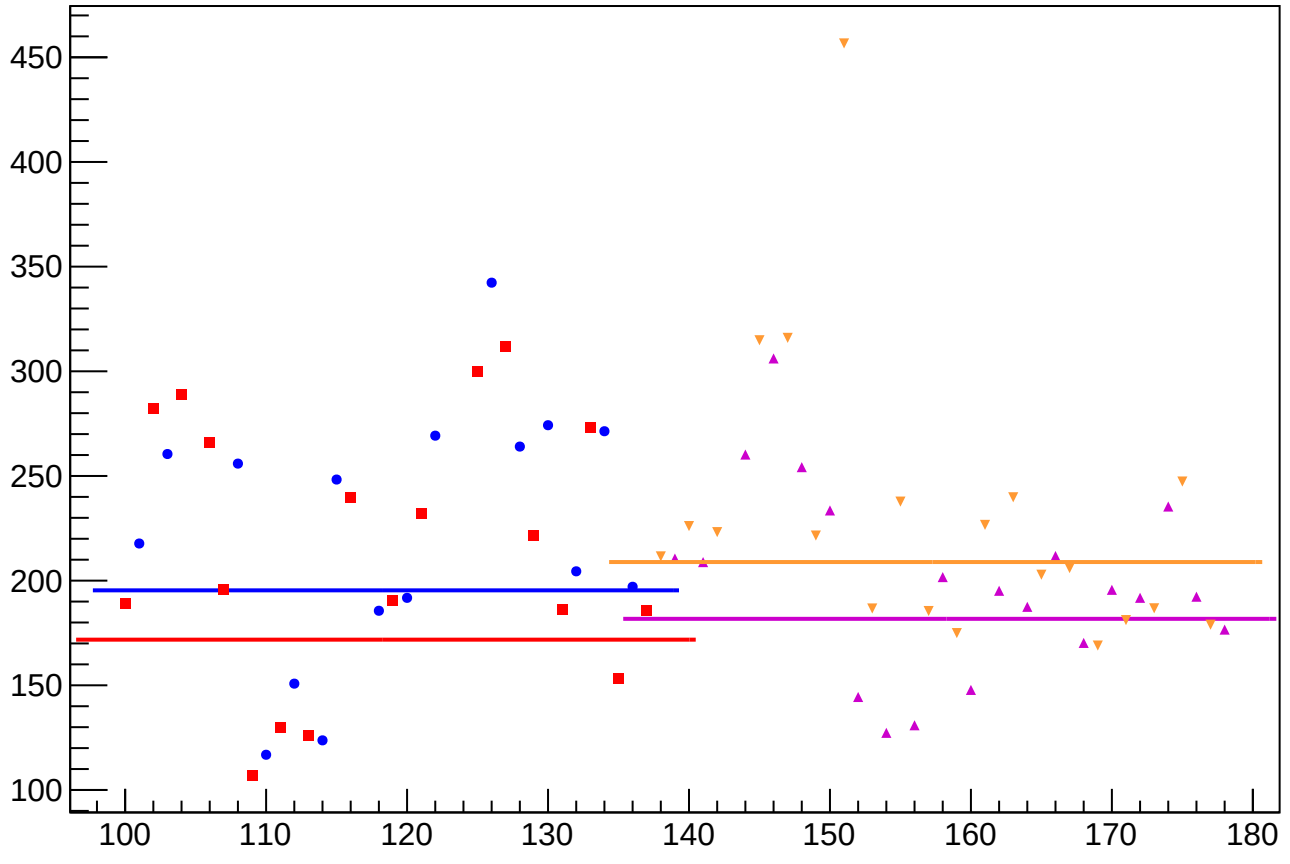
Left: 130.817+/-35.625 χ^2/NDF: 13.4/39

Right: -100.285+/-51.280 χ^2/NDF: 27.6/33

In: 72.505+/-40.214 χ^2/NDF:25.5/35

Out: 36.564+/-42.646 χ^2/NDF:28.8/37

All: 55.589+/-29.258 χ^2/NDF: 54.7/73



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: 181.753+/-0.033 χ^2/NDF:1582483.6/19

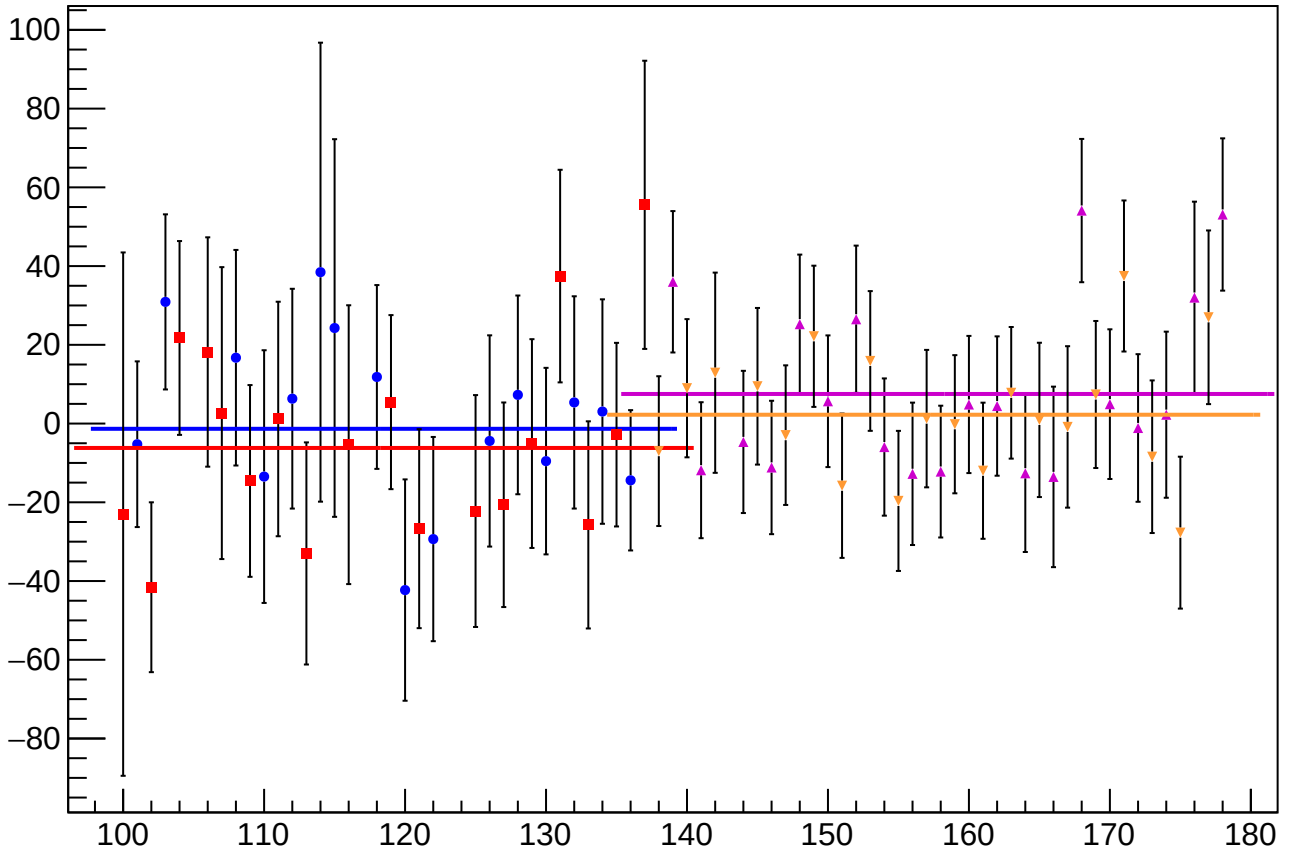
Left: 193.430+/-0.025 χ^2/NDF: 3128733.6/39

Right: 182.308+/-0.036 χ^2/NDF: 2746362.8/33

In: 185.484+/-0.028 χ^2/NDF:2669494.5/35

Out: 194.674+/-0.030 χ^2/NDF:3219894.1/37

All: 189.810+/-0.021 χ^2/NDF: 5938555.1/73



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: 7.516+/-4.128 χ^2/NDF:26.1/19

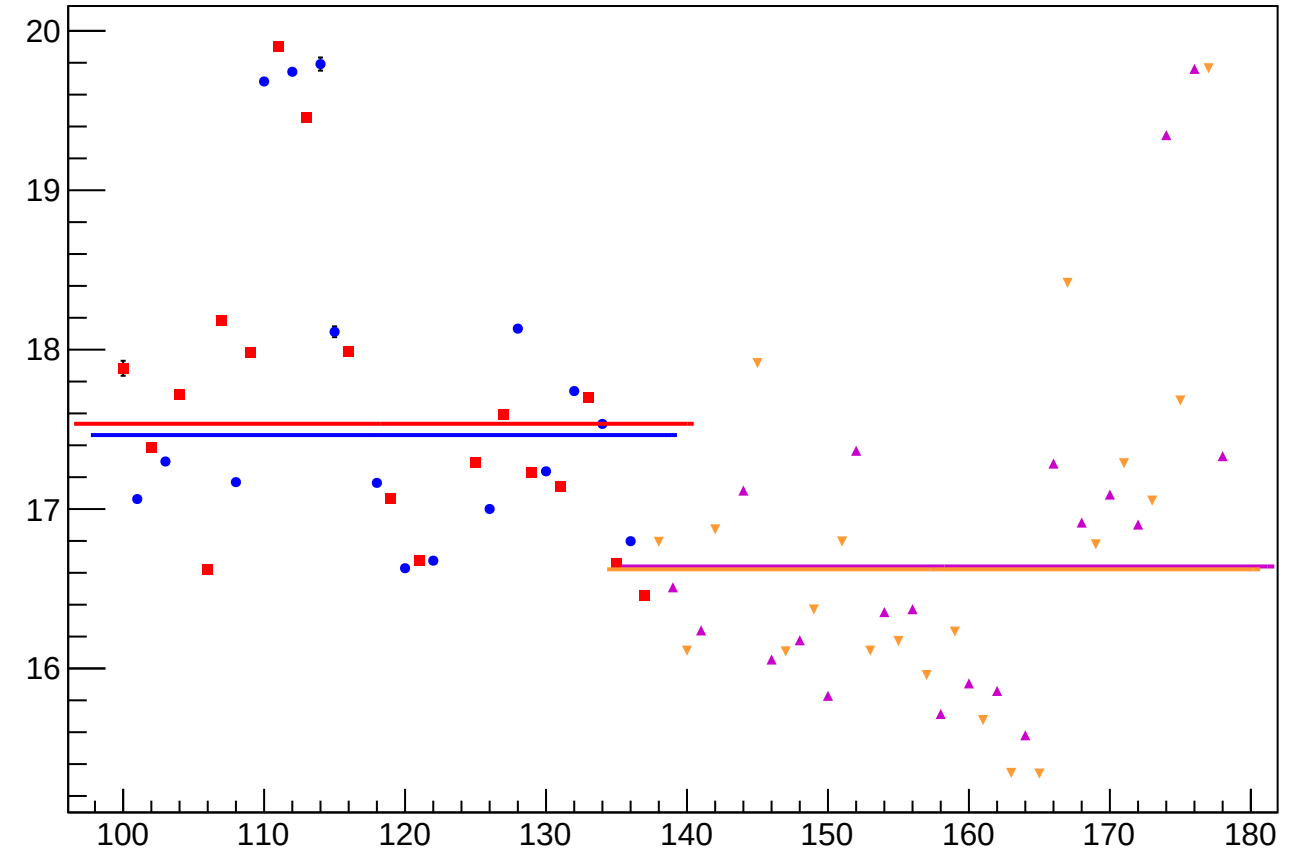
Left: 4.916+/-2.939 χ^2/NDF: 40.2/39

Right: -3.773+/-4.586 χ^2/NDF: 21.8/33

In: 4.972+/-3.484 χ^2/NDF:35.4/35

Out: -0.243+/-3.514 χ^2/NDF:28.0/37

All: 2.387+/-2.474 χ^2/NDF: 64.5/73



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: 16.640+/-0.003 χ^2/NDF:106070.4/19

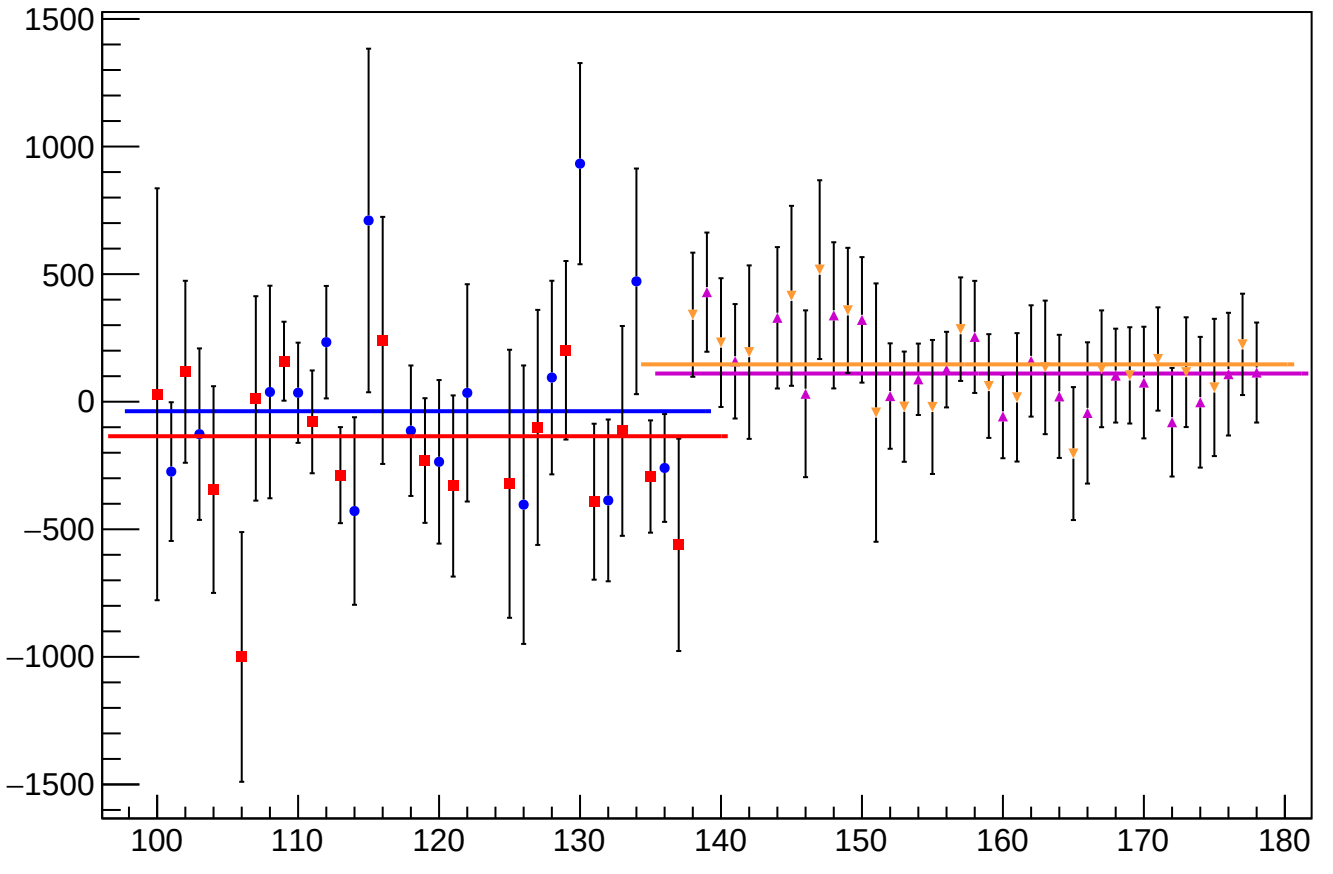
Left: 16.631+/-0.002 χ^2/NDF: 217436.9/39

Right: 17.500+/-0.003 χ^2/NDF: 71244.5/33

In: 16.877+/-0.002 χ^2/NDF:165654.2/35

Out: 16.891+/-0.002 χ^2/NDF:173892.8/37

All: 16.884+/-0.002 χ^2/NDF: 339563.7/73



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: 110.432+/-47.161 χ^2/NDF:7.2/19

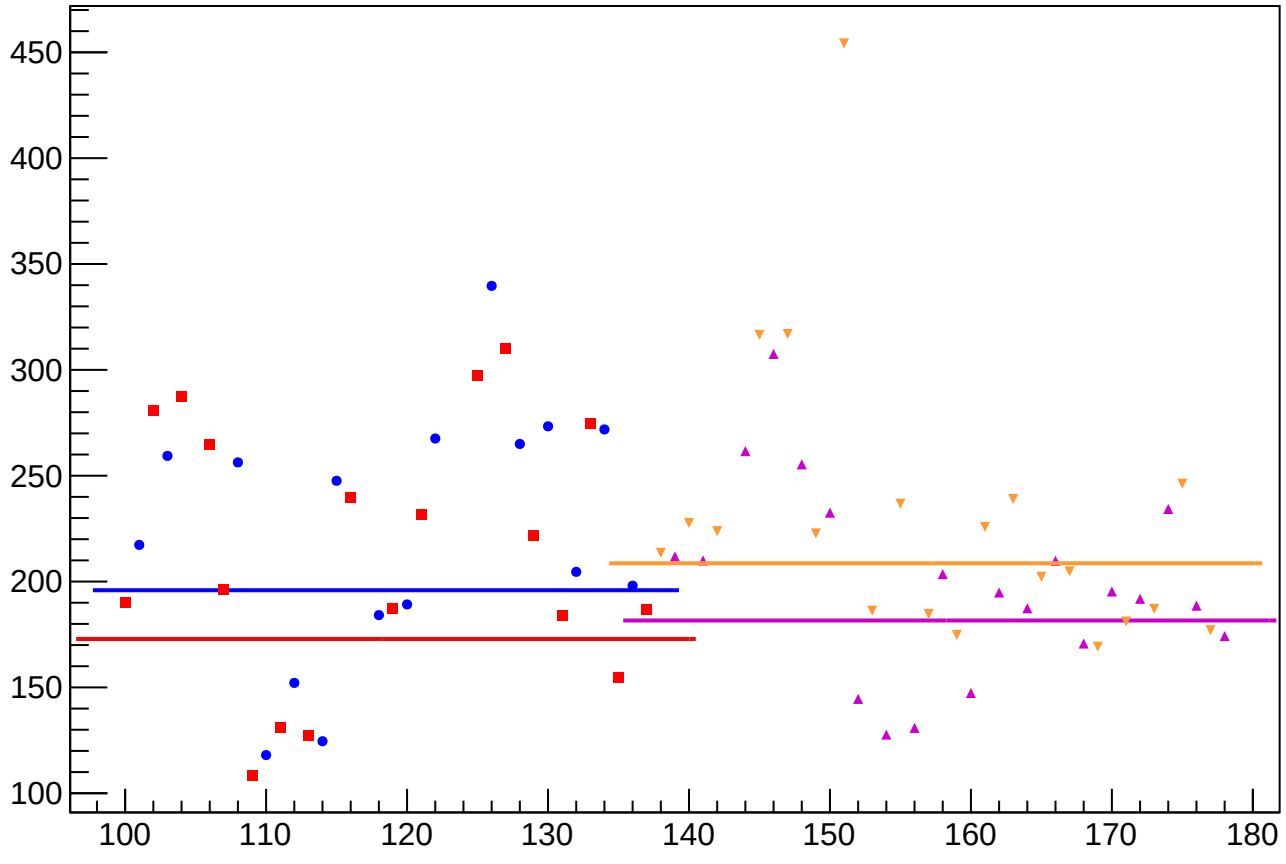
Left: 125.908+/-35.589 χ^2/NDF: 14.8/39

Right: -91.452+/-51.426 χ^2/NDF: 29.3/33

In: 70.083+/-40.205 χ^2/NDF:25.5/35

Out: 39.107+/-42.680 χ^2/NDF:30.5/37

All: 55.519+/-29.265 χ^2/NDF: 56.3/73



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: 181.606+/-0.033 χ^2/NDF:1588250.9/19

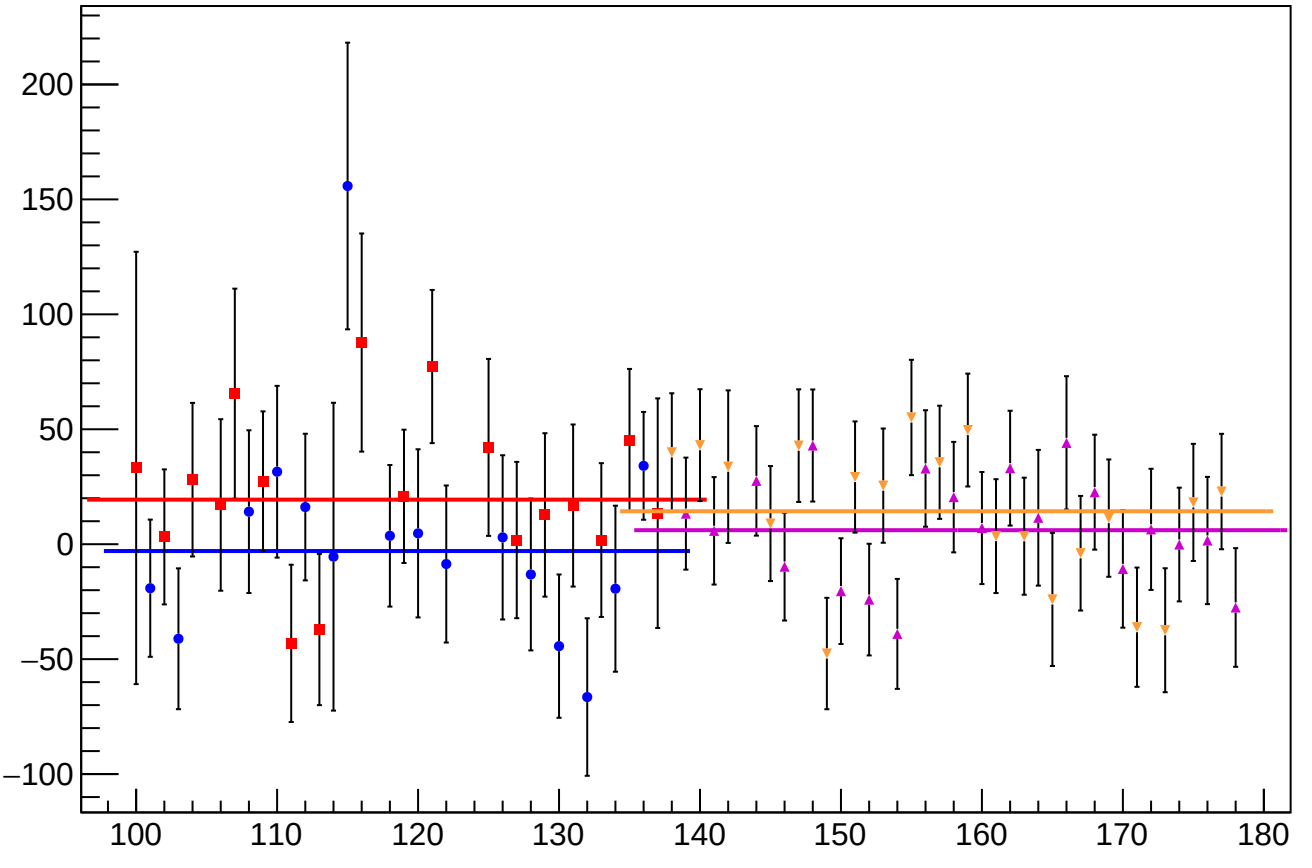
Left: 193.245+/-0.025 χ^2/NDF: 3142566.4/39

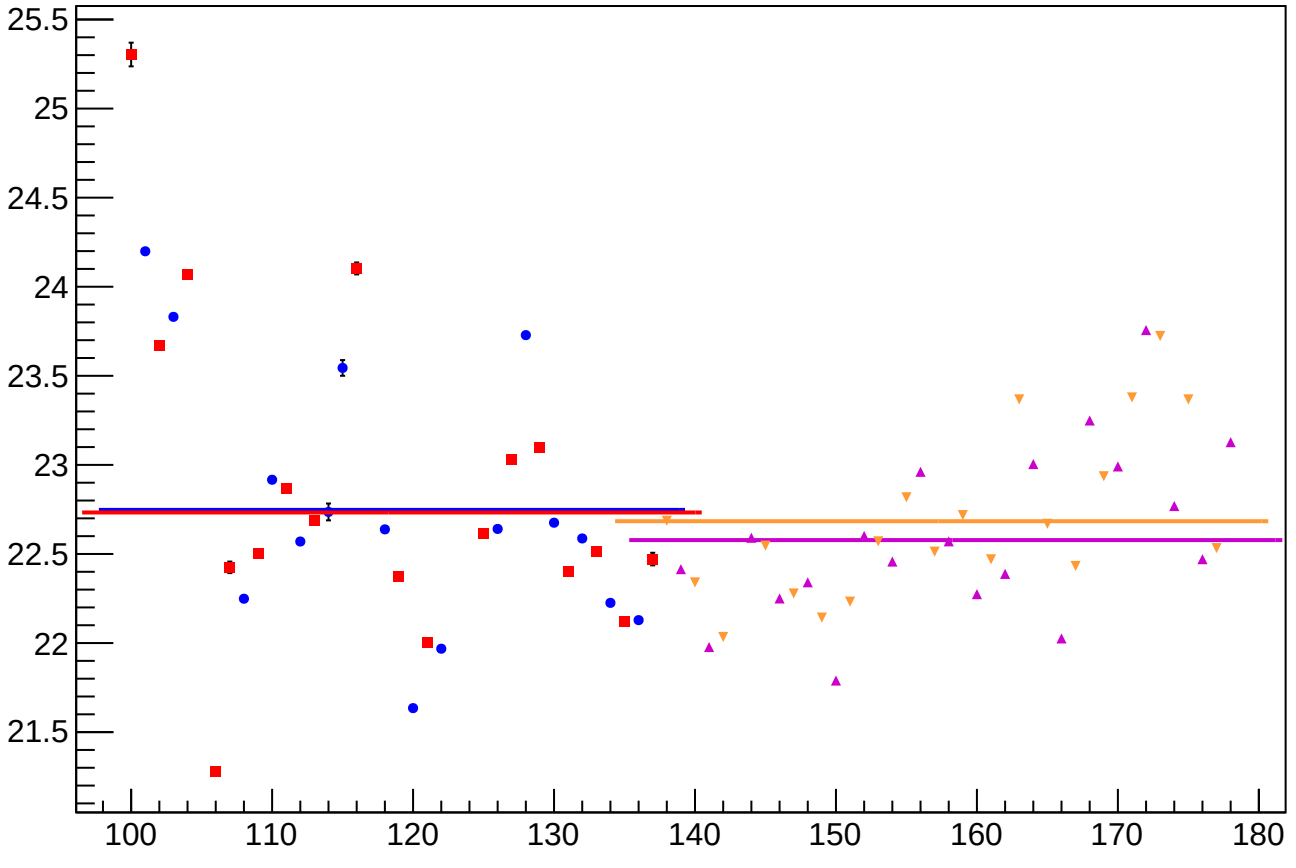
Right: 183.167+/-0.036 χ^2/NDF: 2653391.3/33

In: 185.512+/-0.028 χ^2/NDF:2649458.7/35

Out: 195.018+/-0.030 χ^2/NDF:3145863.9/37

All: 189.981+/-0.021 χ^2/NDF: 5847896.4/73


asym_bcm_dg_us_an_ds_dd_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
110
120
130
140
150
160
170
180
Right In: -2.967+/-8.454 χ²/NDF: 17.9/15
Left Out: 14.336+/-5.698 χ²/NDF:27.0/19
Right Out: 19.387+/-8.381 χ²/NDF: 14.5/17
Left In: 6.098+/-5.587 χ²/NDF:17.1/19
Left: 10.136+/-3.989 χ²/NDF: 45.2/39
Right: 8.306+/-5.952 χ²/NDF: 36.0/33
In: 3.342+/-4.661 χ²/NDF:35.8/35
Out: 15.932+/-4.712 χ²/NDF:41.7/37
All: 9.569+/-3.314 χ²/NDF: 81.2/73



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.684+/-0.004 χ^2/NDF:11577.7/19

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

Left In: 22.578+/-0.004 χ^2/NDF:13440.5/19

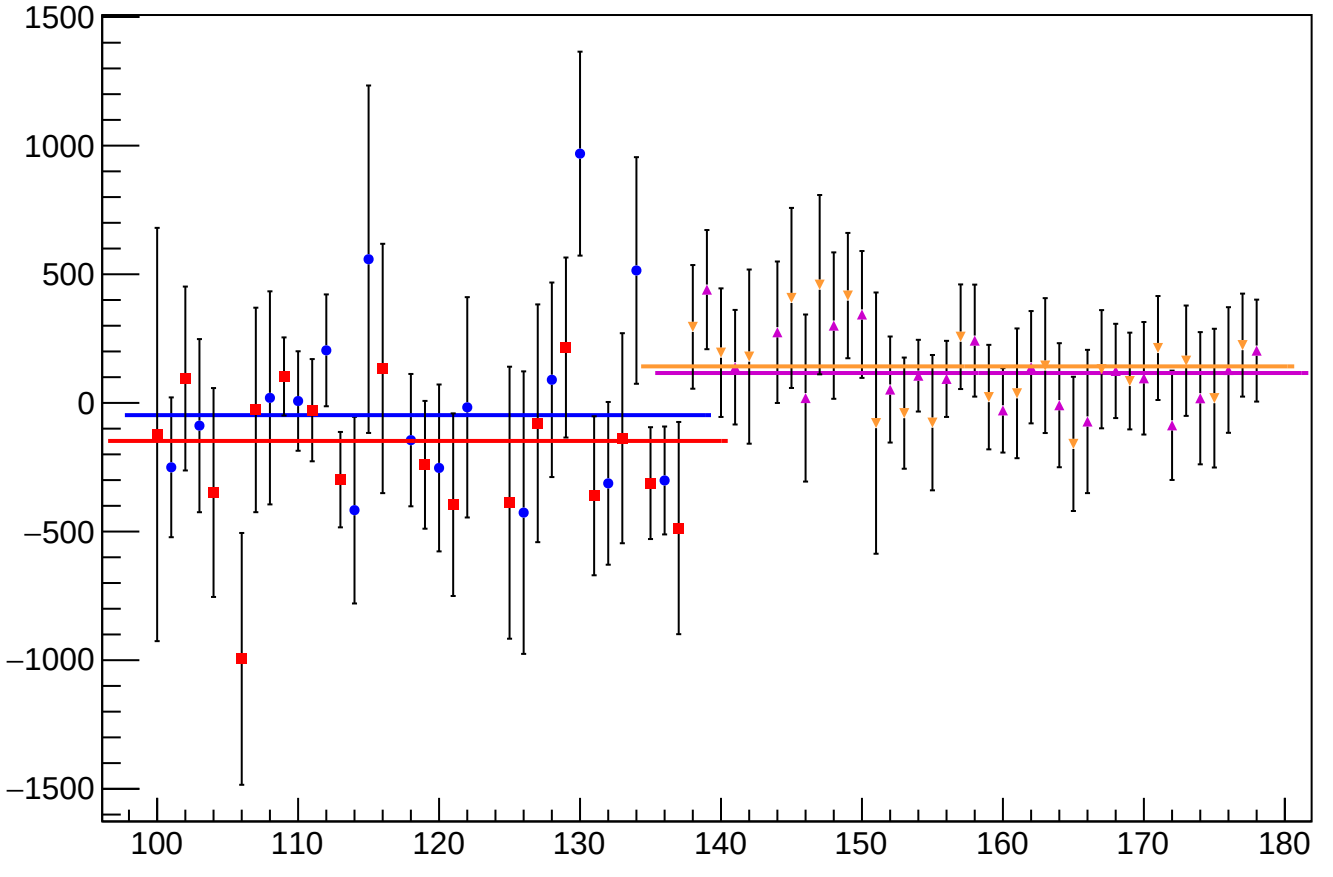
Left: 22.630+/-0.003 χ^2/NDF: 25371.0/39

Right: 22.740+/-0.004 χ^2/NDF: 29015.4/33

In: 22.629+/-0.003 χ^2/NDF:28623.2/35

Out: 22.699+/-0.003 χ^2/NDF:26014.2/37

All: 22.664+/-0.002 χ^2/NDF: 54860.0/73



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: 116.193+/-47.106 χ^2/NDF:6.9/19

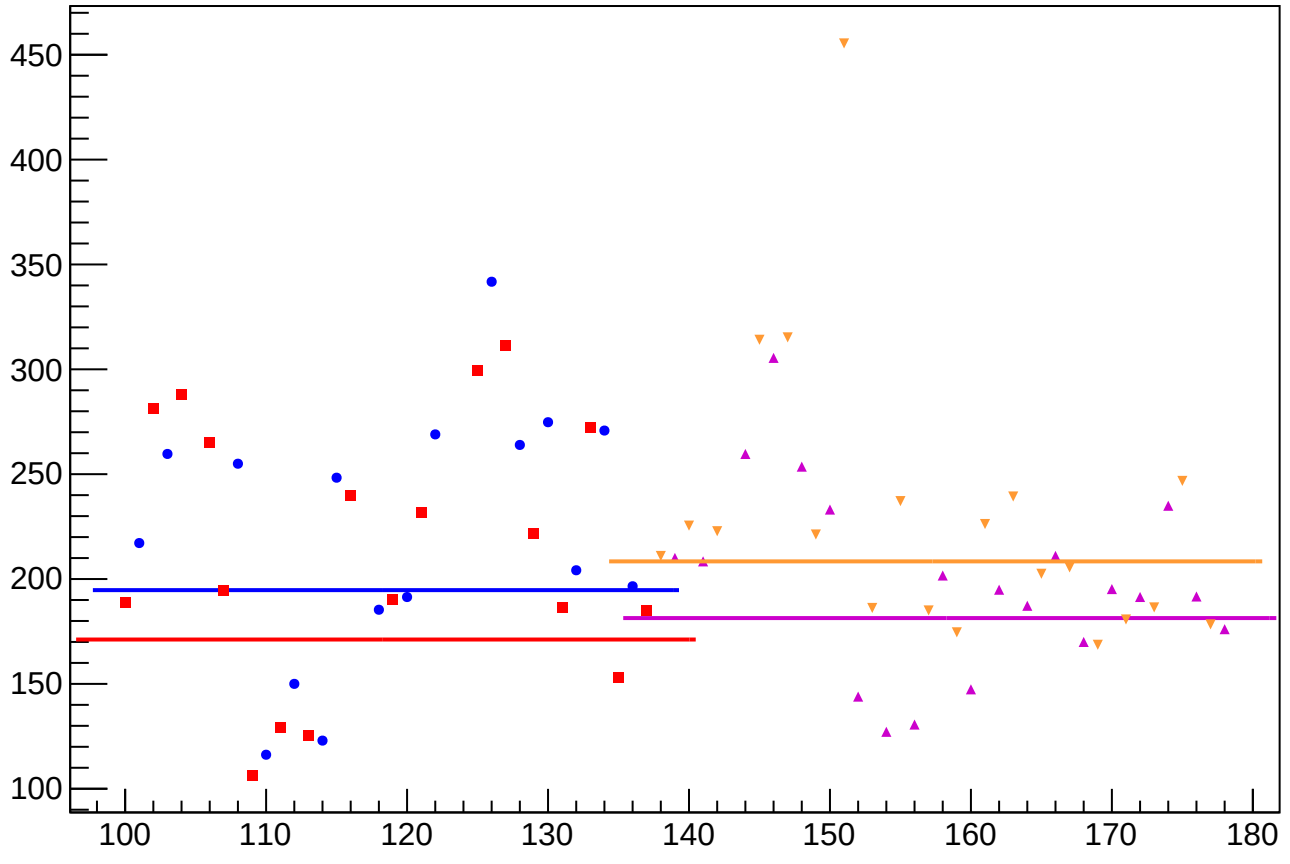
Left: 127.292+/-35.549 χ^2/NDF: 14.6/39

Right: -103.114+/-51.119 χ^2/NDF: 27.9/33

In: 71.244+/-40.122 χ^2/NDF:25.6/35

Out: 30.769+/-42.533 χ^2/NDF:30.0/37

All: 52.186+/-29.186 χ^2/NDF: 56.1/73



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: 181.382+/-0.033 χ^2/NDF:1582248.5/19

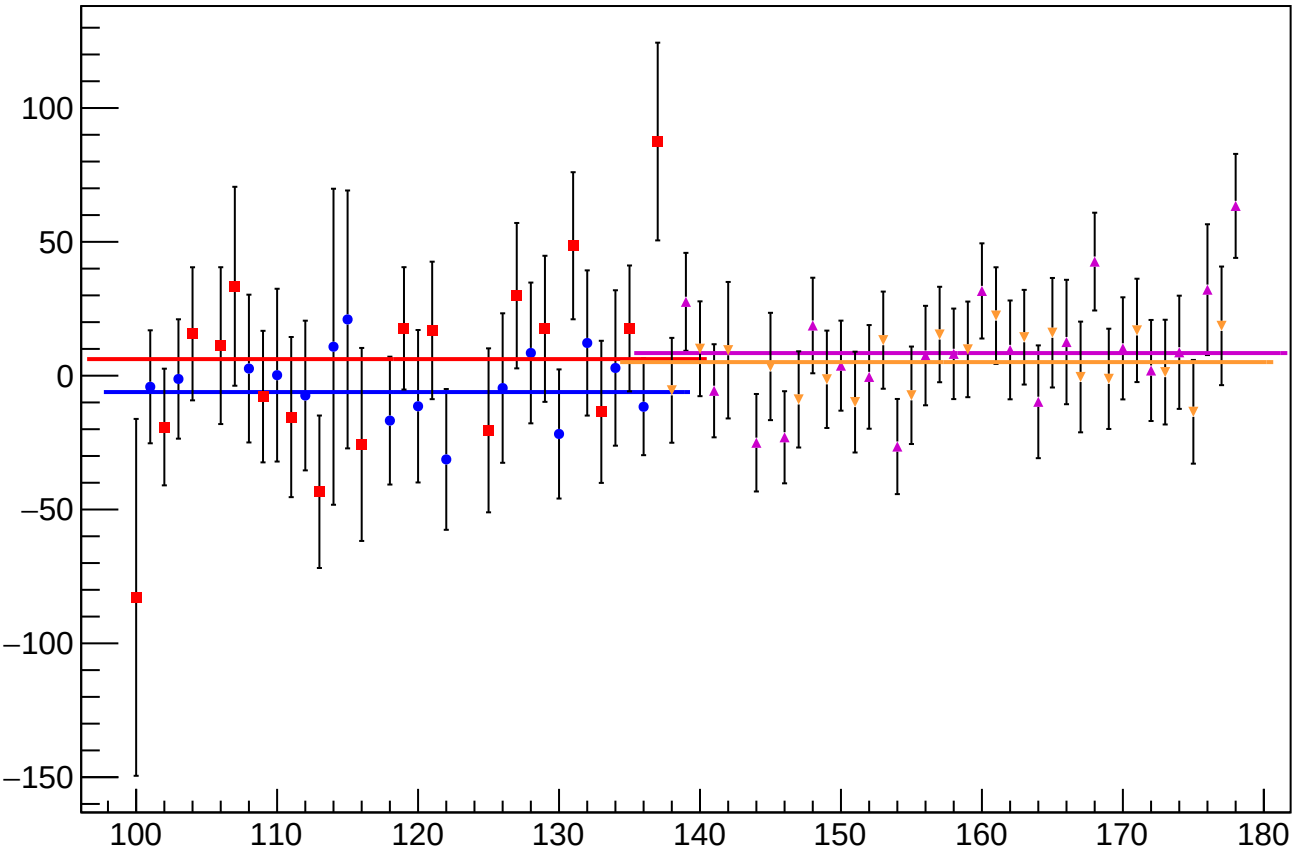
Left: 193.020+/-0.025 χ^2/NDF: 3127795.6/39

Right: 181.653+/-0.036 χ^2/NDF: 2769105.7/33

In: 185.041+/-0.028 χ^2/NDF:2678483.1/35

Out: 194.118+/-0.030 χ^2/NDF:3236871.5/37

All: 189.315+/-0.021 χ^2/NDF: 5963557.0/73



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: 8.446+/-4.192 χ^2/NDF:28.0/19

Left: 6.789+/-2.990 χ^2/NDF: 34.6/39

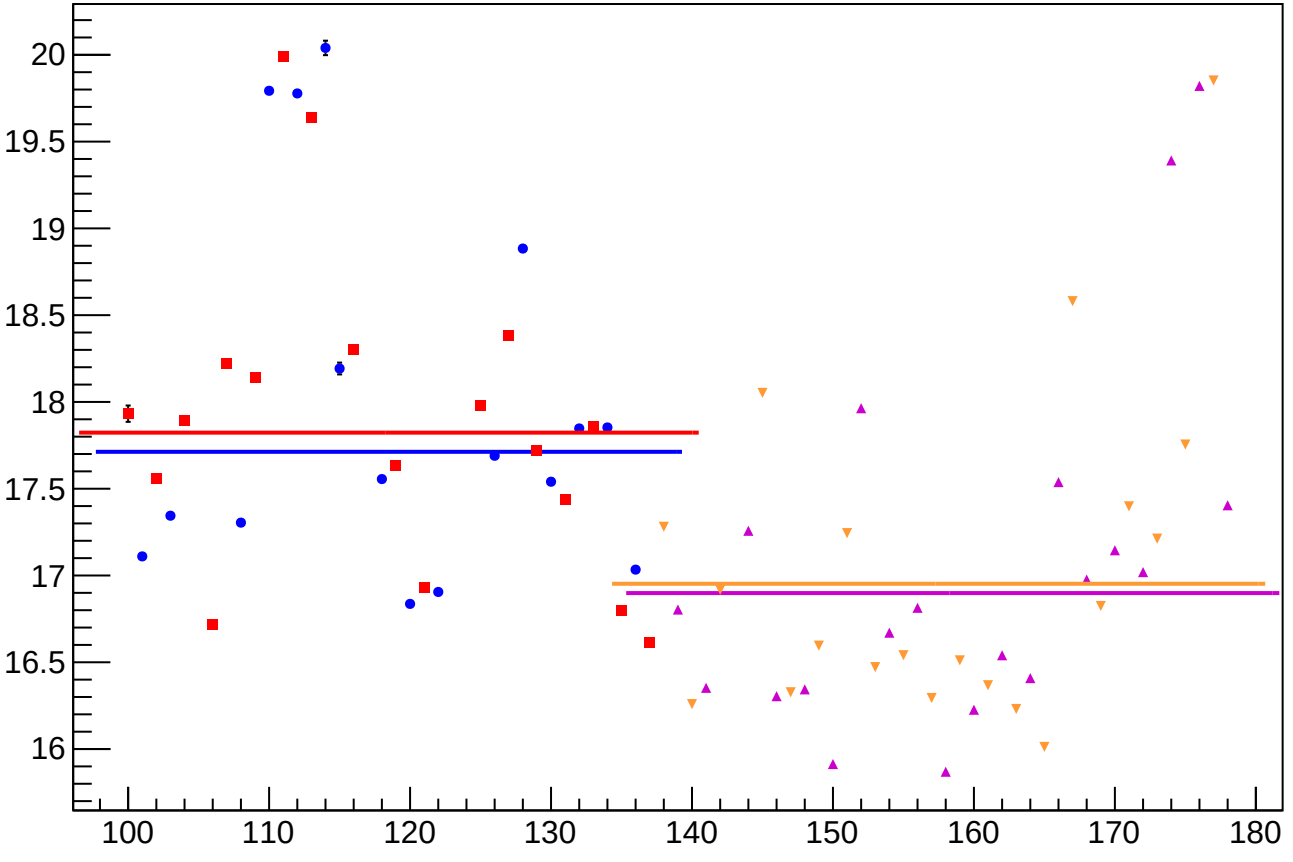
Right: 0.049+/-4.657 χ^2/NDF: 23.5/33

In: 4.252+/-3.538 χ^2/NDF:34.6/35

Out: 5.404+/-3.580 χ^2/NDF:24.9/37

All: 4.821+/-2.516 χ^2/NDF: 59.5/73

asym_bcm_dg_ds_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.952+/-0.003 χ^2/NDF:80941.7/19

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

Left In: 16.899+/-0.003 χ^2/NDF:92225.0/19

Left: 16.925+/-0.002 χ^2/NDF: 173327.7/39

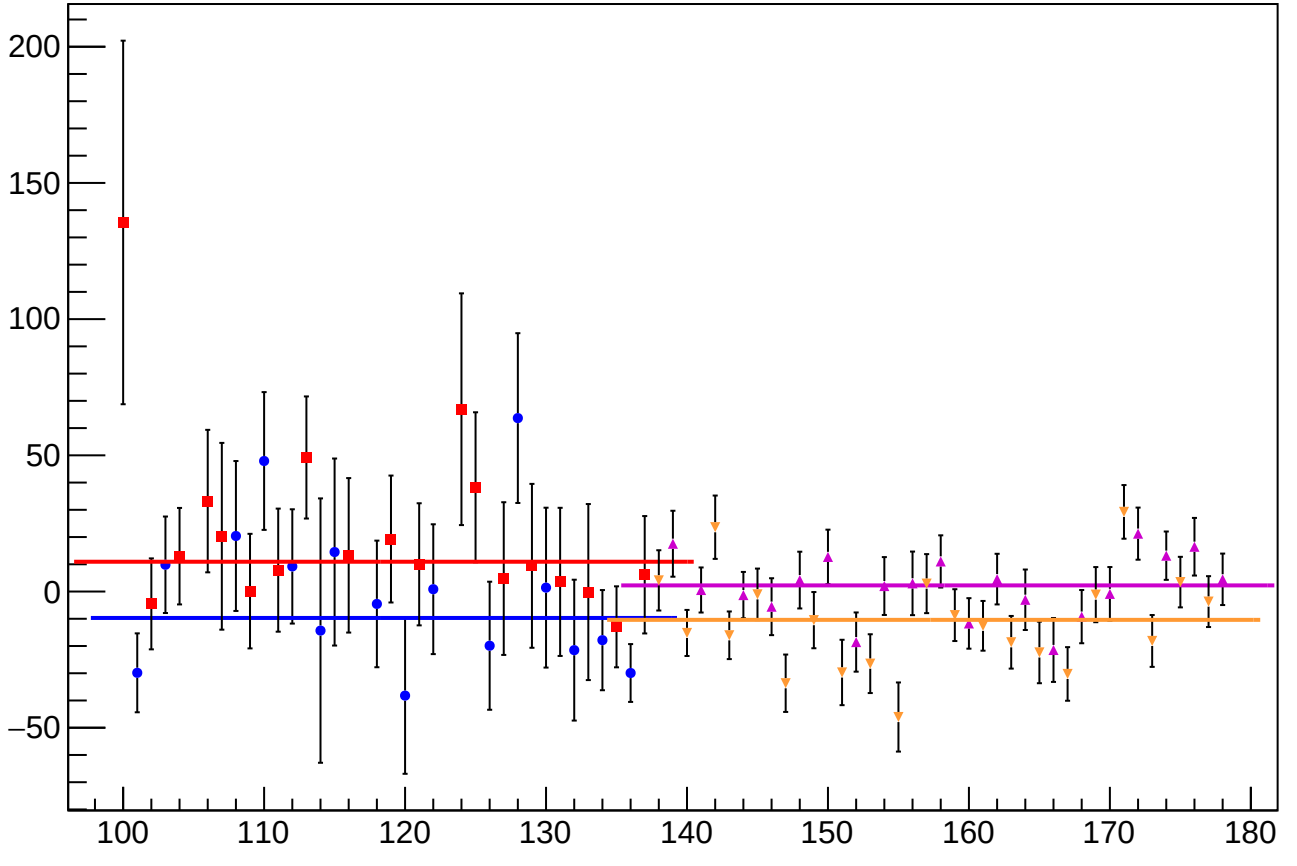
Right: 17.768+/-0.003 χ^2/NDF: 68768.1/33

In: 17.133+/-0.003 χ^2/NDF:149918.3/35

Out: 17.210+/-0.003 χ^2/NDF:138102.2/37

All: 17.171+/-0.002 χ^2/NDF: 288489.3/73

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: 2.250+/-2.223 χ^2/NDF:23.4/19

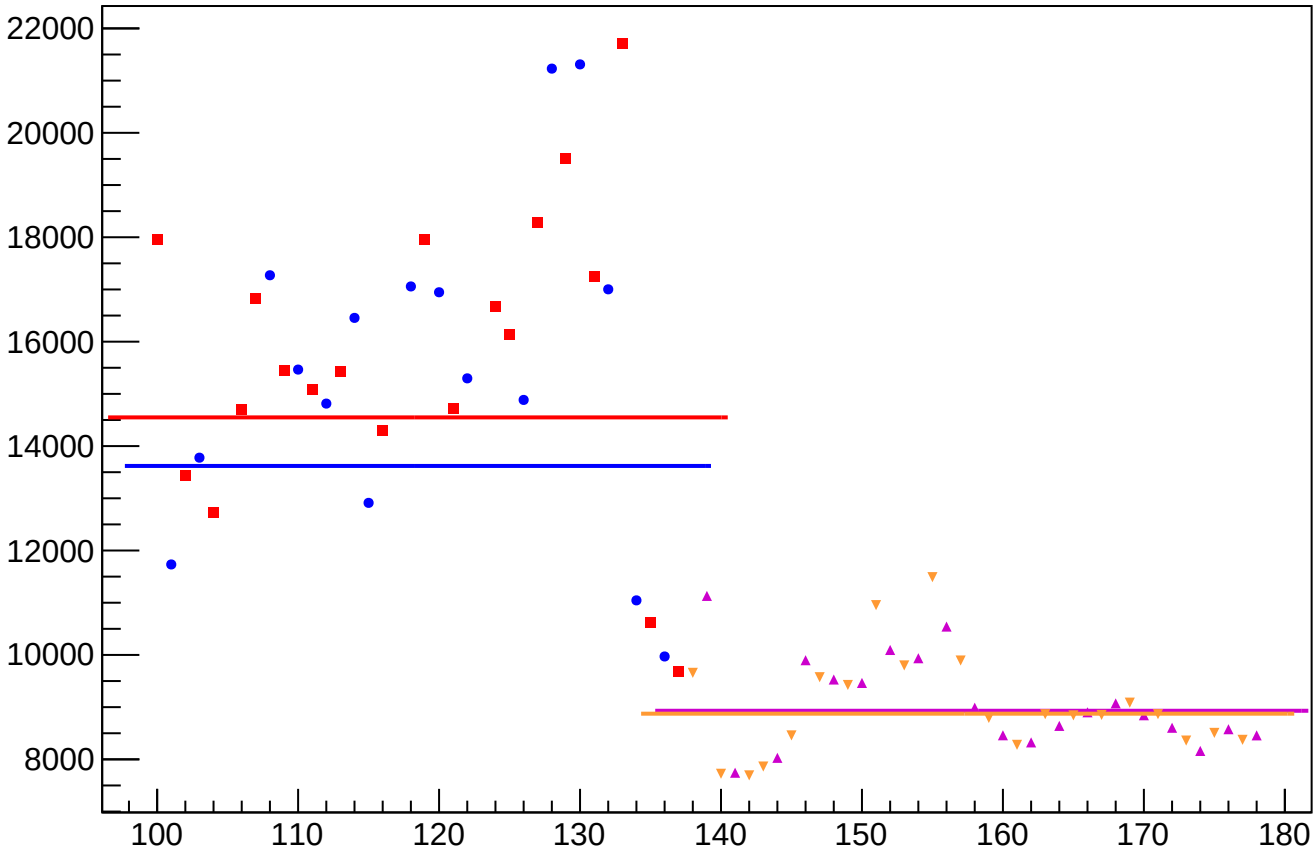
Left: -4.170+/-1.560 χ^2/NDF: 97.4/40

Right: 0.222+/-3.769 χ^2/NDF: 43.6/34

In: 0.423+/-2.046 χ^2/NDF:49.9/35

Out: -7.421+/-2.031 χ^2/NDF:84.9/39

All: -3.528+/-1.441 χ^2/NDF: 142.1/75



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: 8930.647+/-1.572 χ^2/NDF:278513.2/19

Left: 8902.268+/-1.103 χ^2/NDF: 593651.9/40

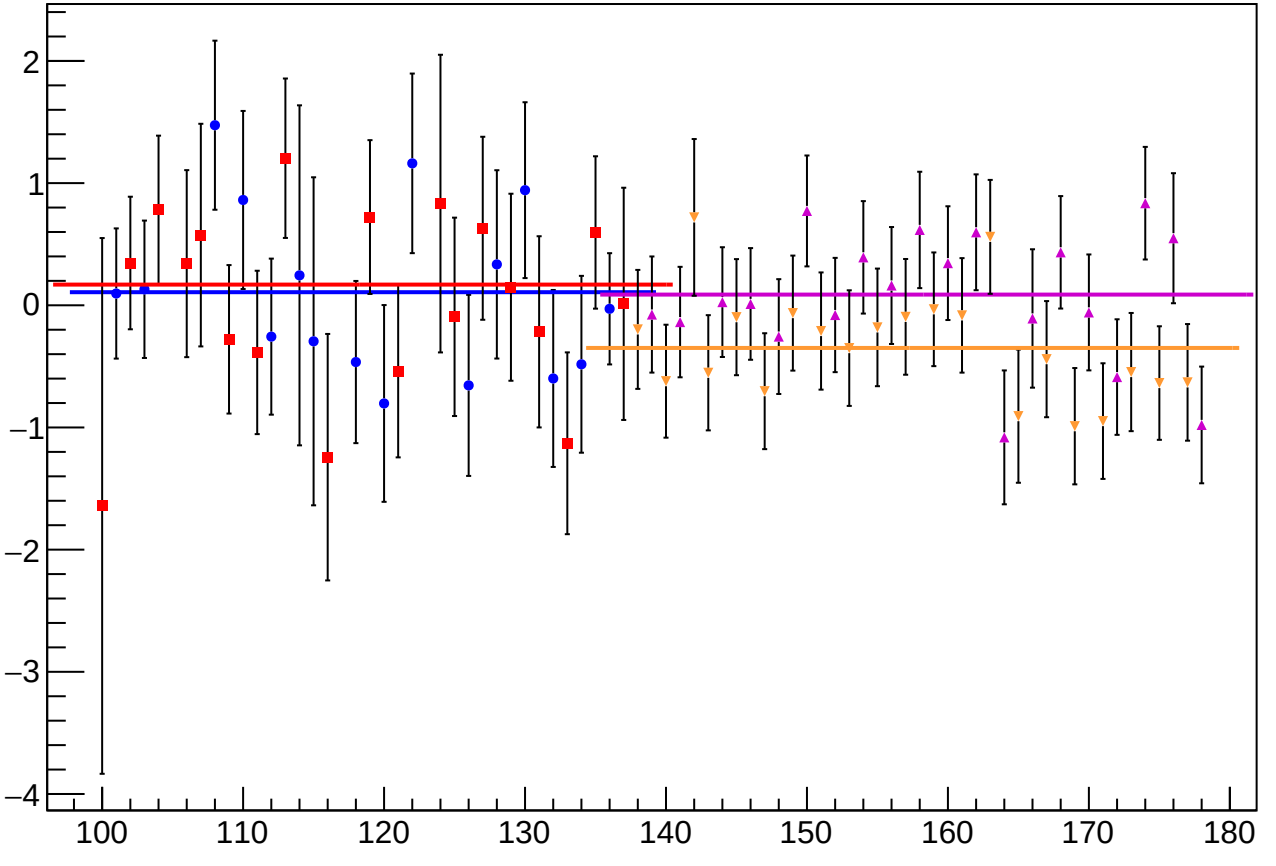
Right: 14066.907+/-2.665 χ^2/NDF: 1333265.9/34

In: 9647.711+/-1.447 χ^2/NDF:2386684.3/35

Out: 9666.843+/-1.436 χ^2/NDF:2745696.8/39

All: 9657.346+/-1.019 χ^2/NDF: 5132469.2/75

diff_bpm_4aX_4acX_dd_mean vs Slug, Sign Corrected



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: 0.088+/-0.106 χ^2/NDF:22.3/19

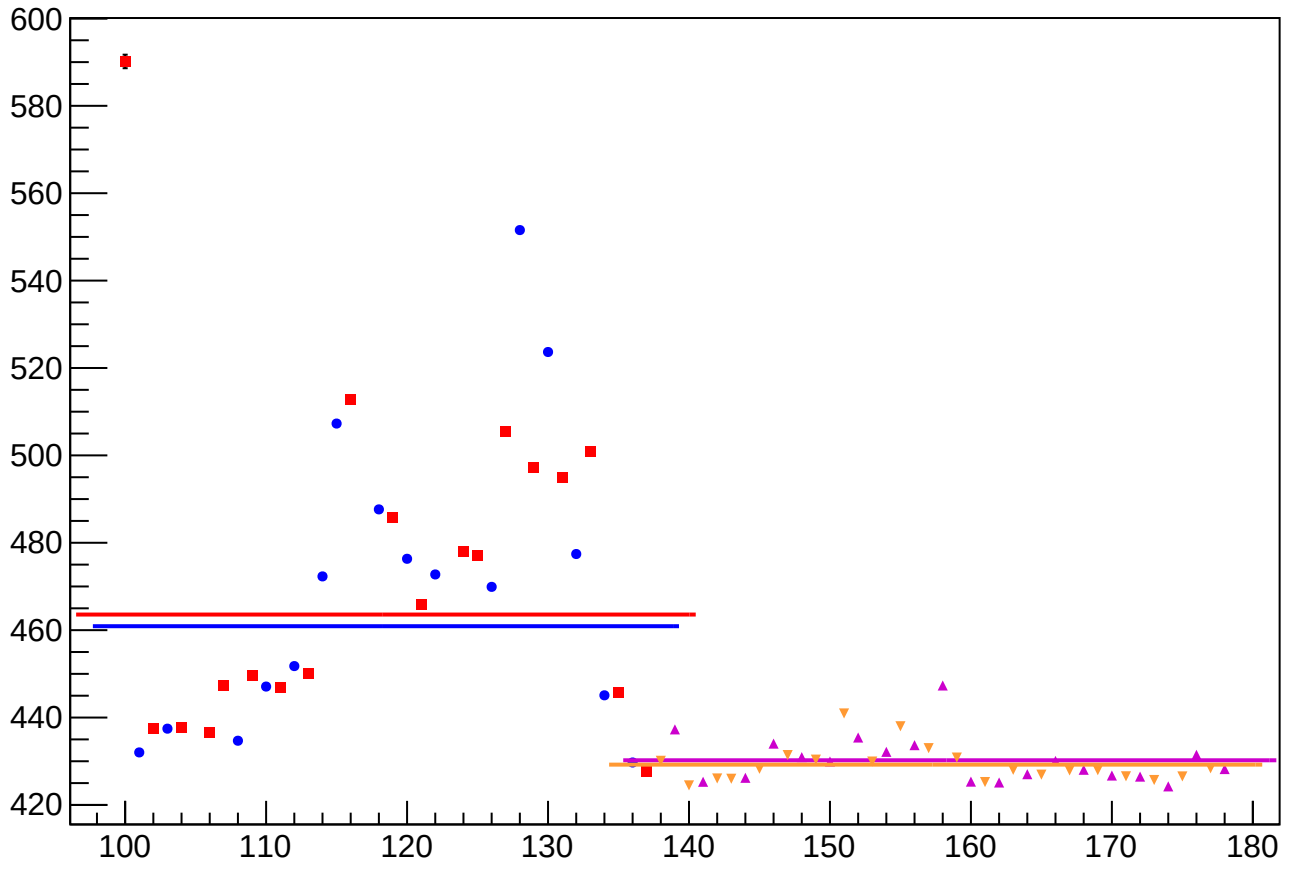
Left: -0.133+/-0.075 χ^2/NDF: 45.9/40

Right: 0.139+/-0.121 χ^2/NDF: 27.8/34

In: 0.093+/-0.090 χ^2/NDF:35.9/35

Out: -0.205+/-0.089 χ^2/NDF:36.0/39

All: -0.058+/-0.064 χ^2/NDF: 77.4/75



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: 430.223+/-0.075 χ^2/NDF:5132.9/19

Left: 429.718+/-0.053 χ^2/NDF: 8123.7/40

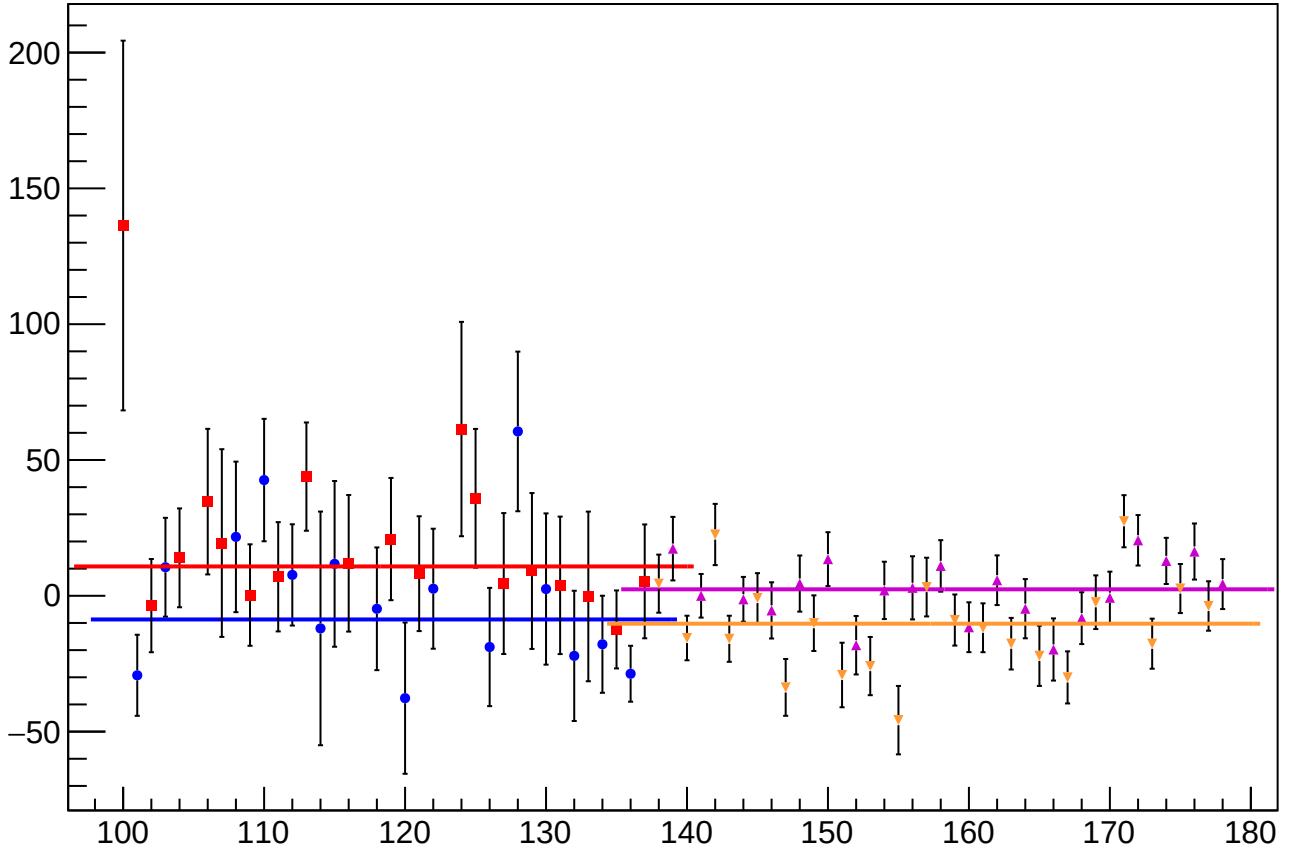
Right: 462.257+/-0.085 χ^2/NDF: 127350.1/34

In: 438.739+/-0.064 χ^2/NDF:126202.3/35

Out: 438.769+/-0.063 χ^2/NDF:114426.9/39

All: 438.754+/-0.045 χ^2/NDF: 240629.4/75

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: 2.386+/-2.178 χ^2/NDF:23.4/19

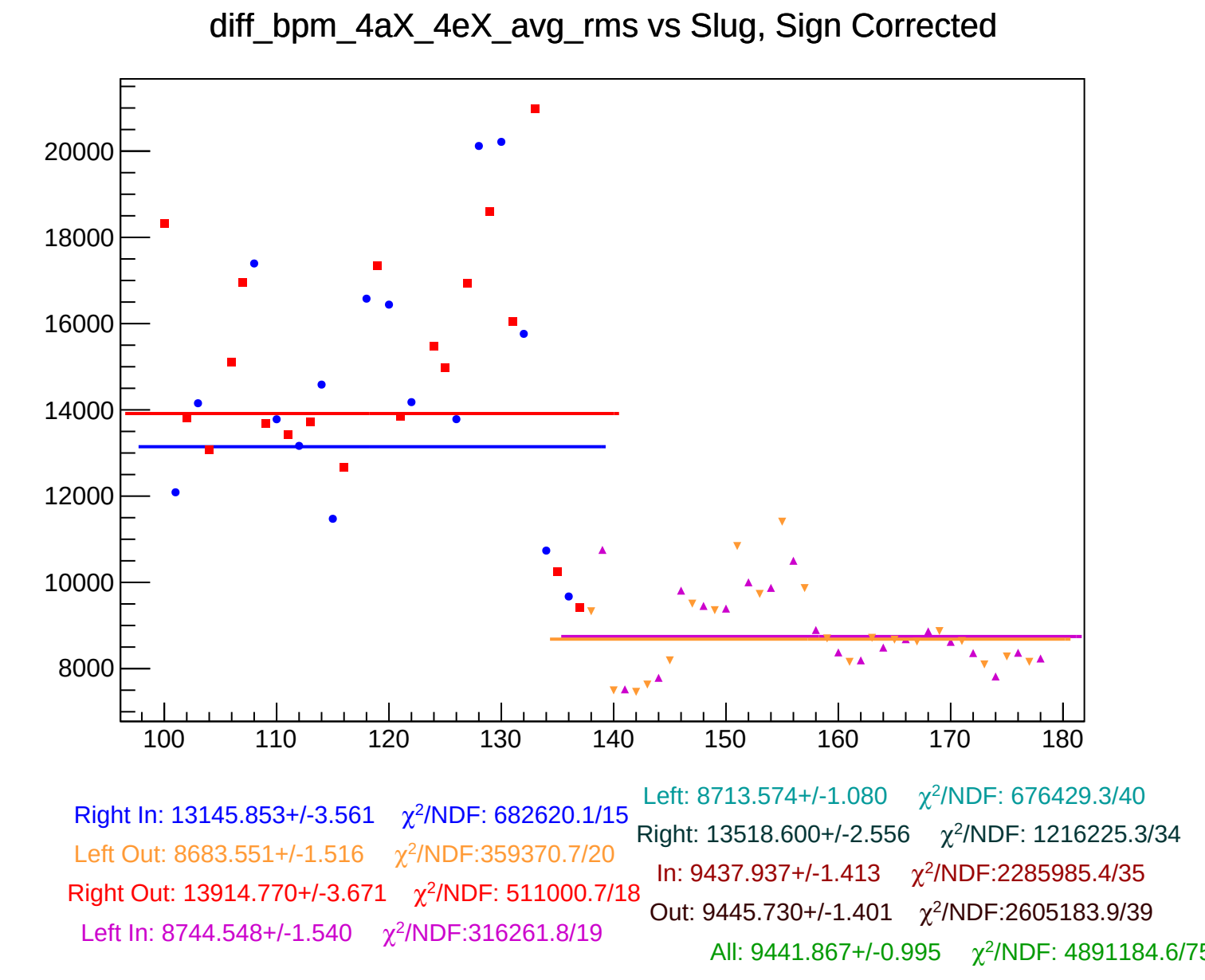
Left: -4.042+/-1.528 χ^2/NDF: 97.3/40

Right: 0.753+/-3.615 χ^2/NDF: 43.4/34

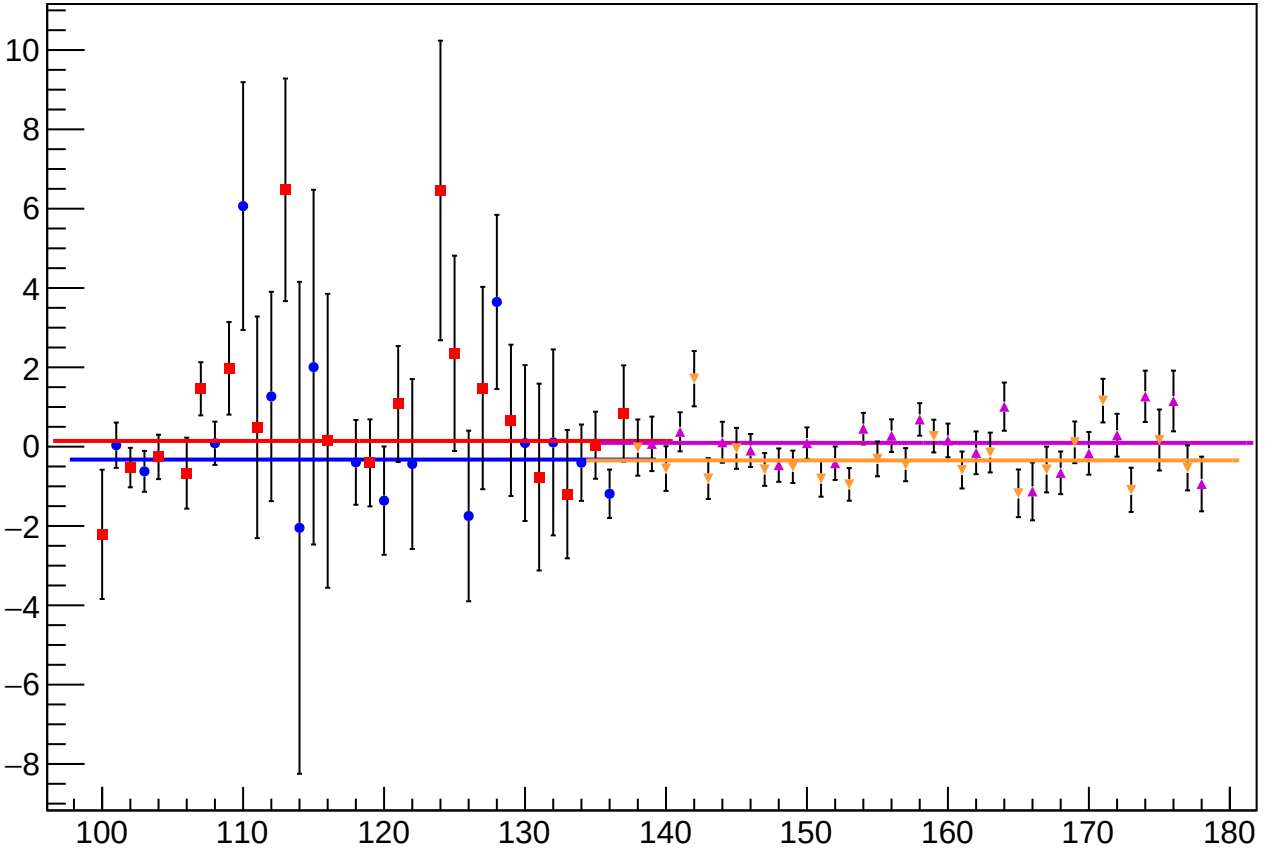
In: 0.638+/-1.999 χ^2/NDF:49.7/35

Out: -7.202+/-1.982 χ^2/NDF:84.8/39

All: -3.316+/-1.407 χ^2/NDF: 142.3/75


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: 8744.548+/-1.540 χ²/NDF:316261.8/19
Left: 8713.574+/-1.080 χ²/NDF: 676429.3/40
Right: 13518.600+/-2.556 χ²/NDF: 1216225.3/34
In: 9437.937+/-1.413 χ²/NDF:2285985.4/35
Out: 9445.730+/-1.401 χ²/NDF:2605183.9/39
All: 9441.867+/-0.995 χ²/NDF: 4891184.6/75

diff_bpm_4aX_4eX_dd_mean vs Slug, Sign Corrected



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: 0.096+/-0.111 χ^2/NDF:22.0/19

Left: -0.128+/-0.078 χ^2/NDF: 59.3/40

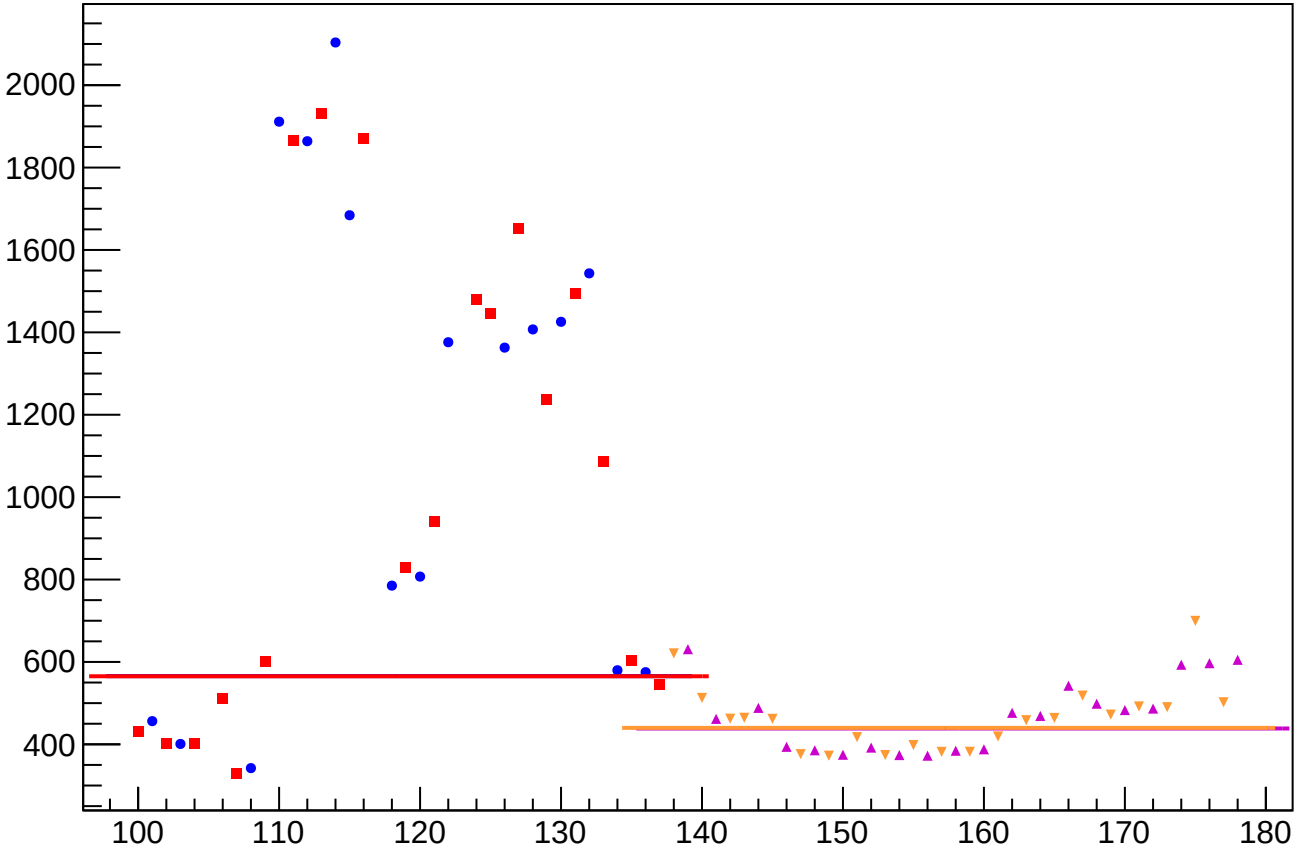
Right: -0.091+/-0.173 χ^2/NDF: 36.9/34

In: 0.024+/-0.101 χ^2/NDF:37.0/35

Out: -0.265+/-0.100 χ^2/NDF:55.0/39

All: -0.122+/-0.071 χ^2/NDF: 96.2/75

diff_bpm_4aX_4eX_dd_rms vs Slug, Sign Corrected



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: 438.466+/-0.078 χ^2/NDF:905406.6/19

Left: 439.229+/-0.055 χ^2/NDF: 1674737.4/40

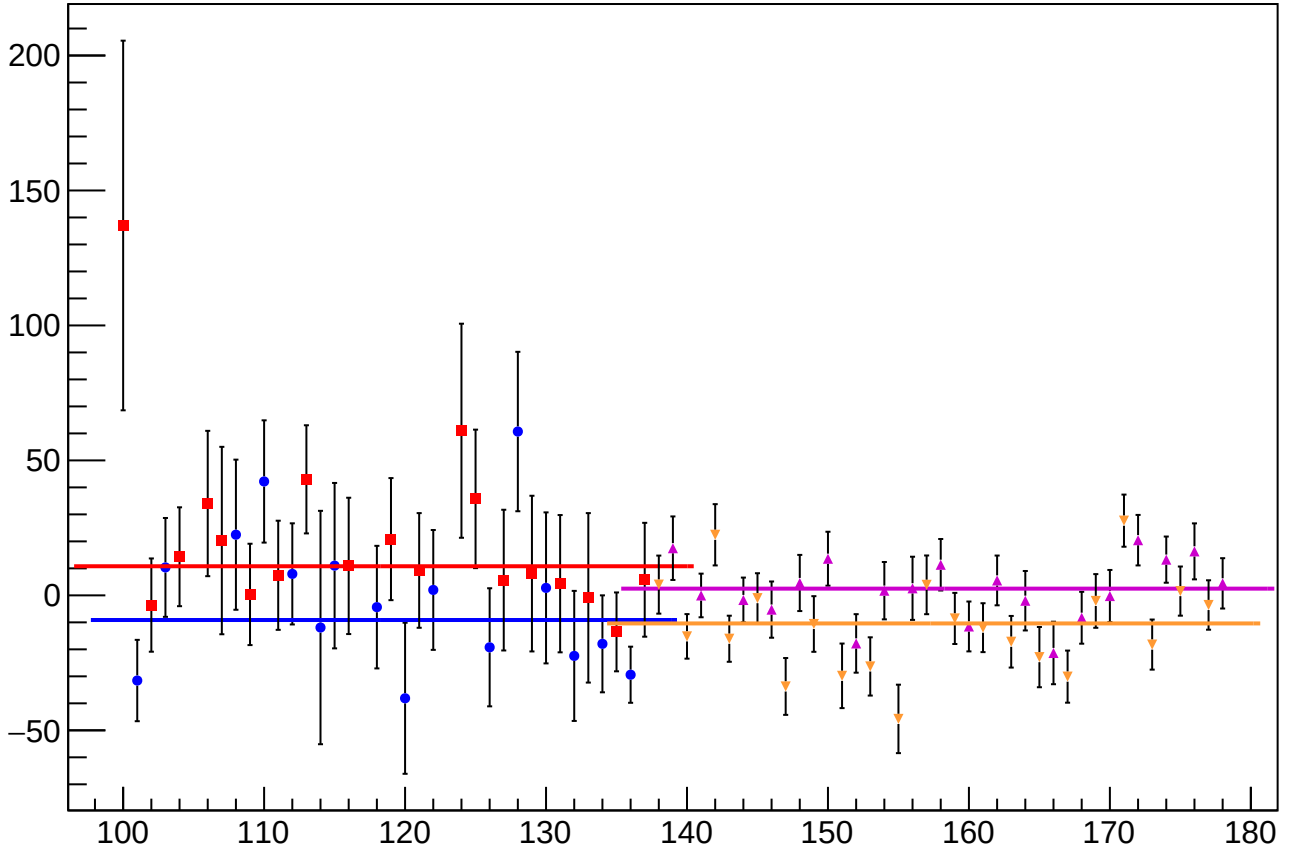
Right: 565.377+/-0.122 χ^2/NDF: 7022156.1/34

In: 460.111+/-0.071 χ^2/NDF:4805464.1/35

Out: 460.926+/-0.071 χ^2/NDF:4778260.2/39

All: 460.522+/-0.050 χ^2/NDF: 9583790.2/75

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: 2.491+/-2.194 χ^2/NDF:23.4/19

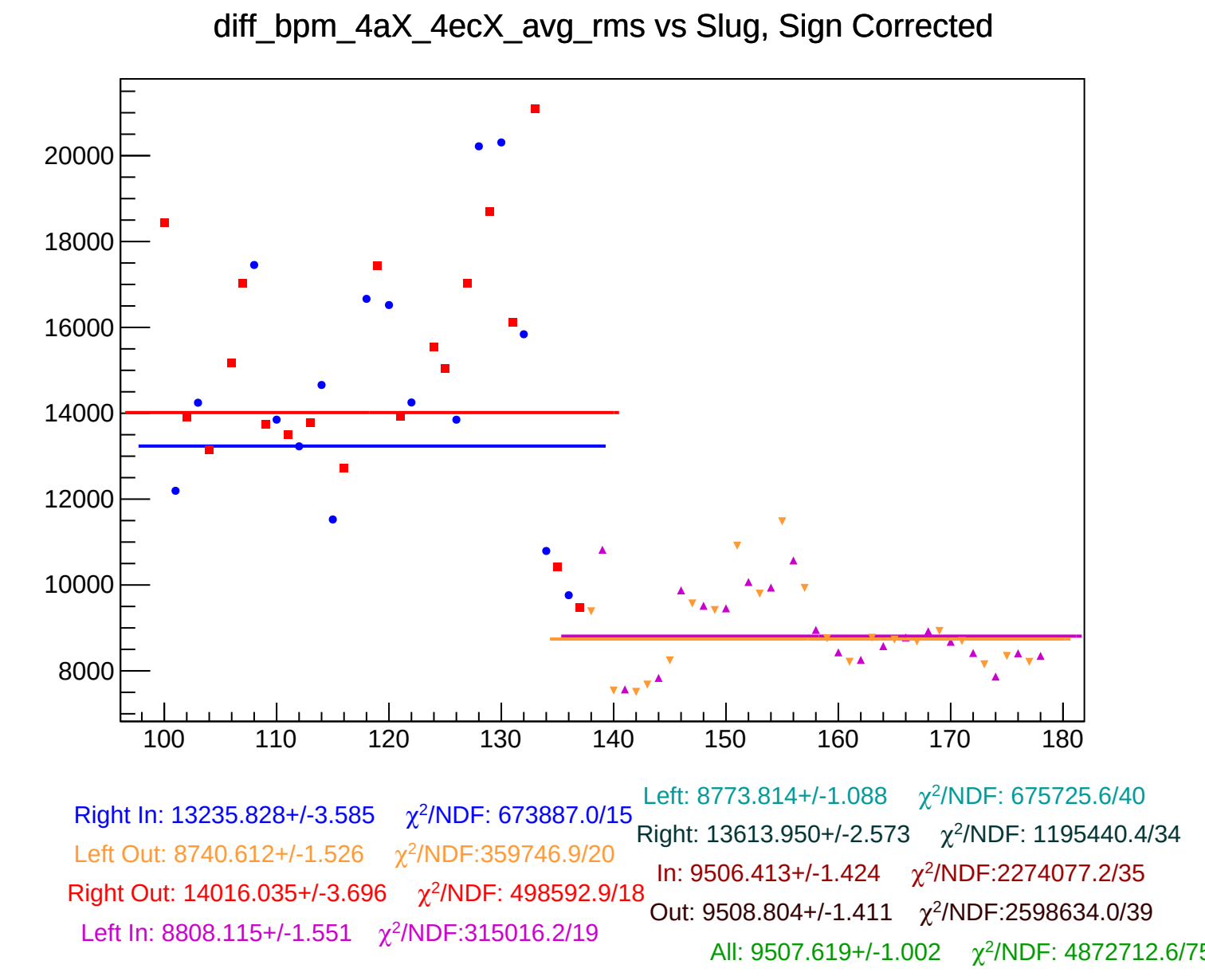
Left: -4.059+/-1.538 χ^2/NDF: 97.4/40

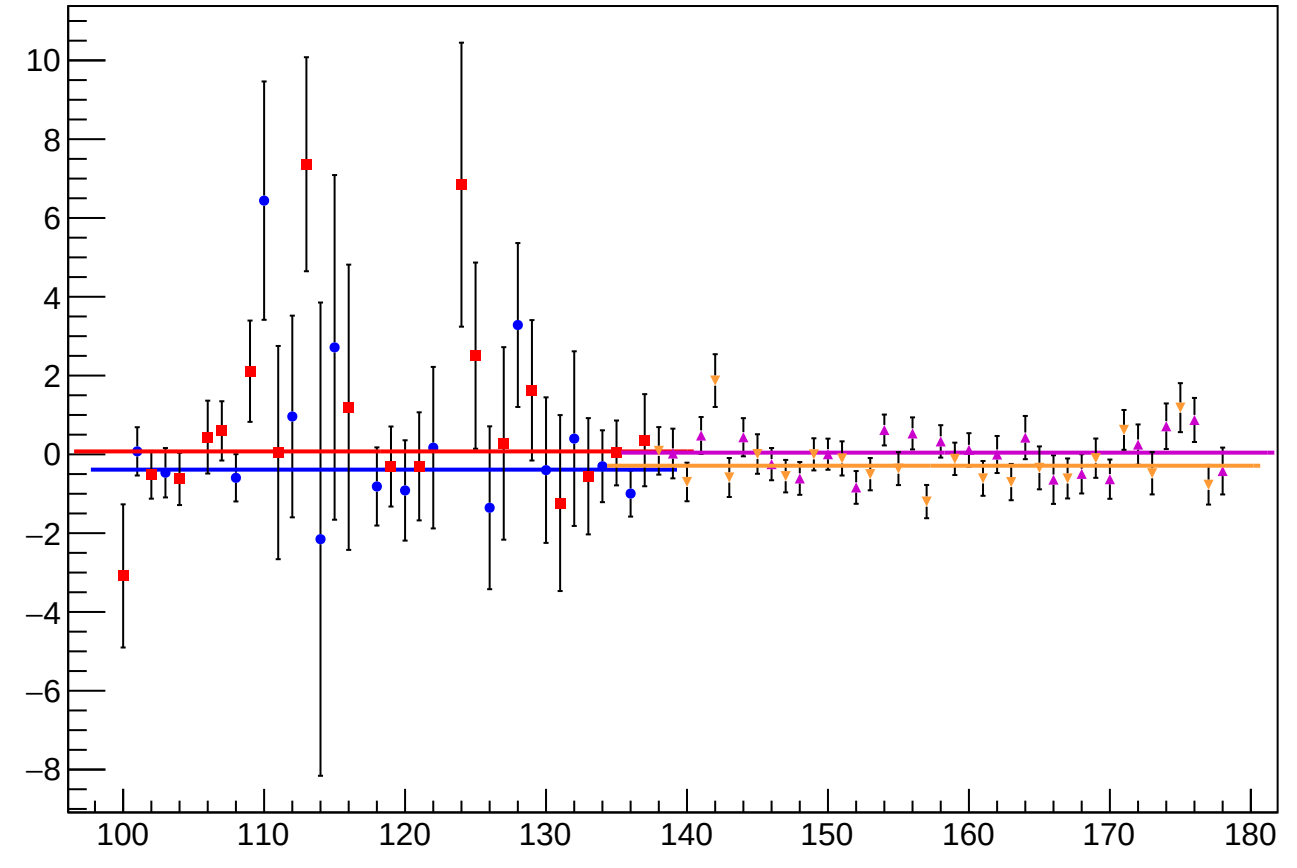
Right: 0.523+/-3.639 χ^2/NDF: 43.9/34

In: 0.658+/-2.013 χ^2/NDF:50.6/35

Out: -7.313+/-1.995 χ^2/NDF:84.2/39

All: -3.364+/-1.417 χ^2/NDF: 142.7/75


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: 8808.115+/-1.551 χ²/NDF:315016.2/19
Left: 8773.814+/-1.088 χ²/NDF: 675725.6/40
Right: 13613.950+/-2.573 χ²/NDF: 1195440.4/34
In: 9506.413+/-1.424 χ²/NDF:2274077.2/35
Out: 9508.804+/-1.411 χ²/NDF:2598634.0/39
All: 9507.619+/-1.002 χ²/NDF: 4872712.6/75



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: 0.043+/-0.105 χ^2/NDF:22.1/19

Left: -0.124+/-0.074 χ^2/NDF: 57.5/40

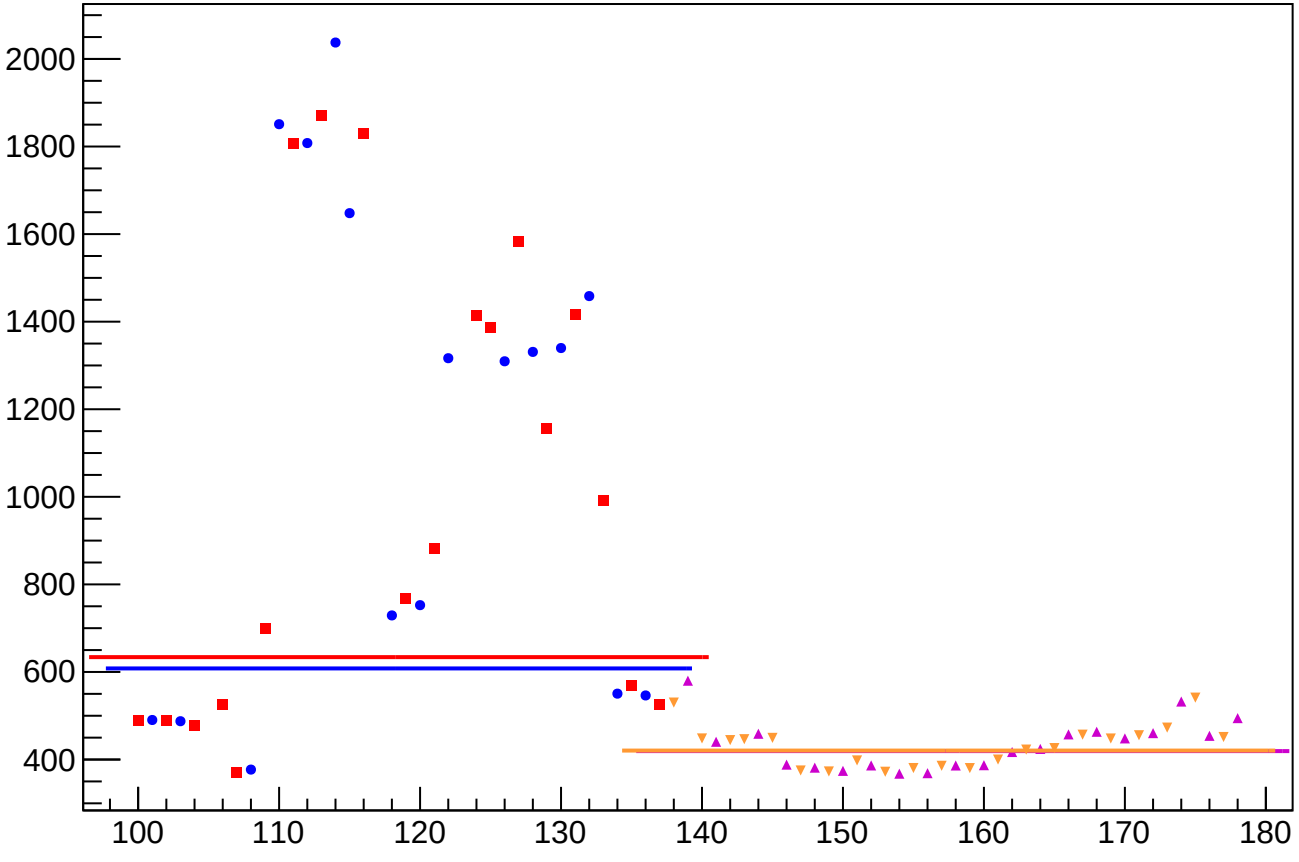
Right: -0.164+/-0.184 χ^2/NDF: 34.9/34

In: -0.019+/-0.097 χ^2/NDF:36.2/35

Out: -0.240+/-0.097 χ^2/NDF:53.6/39

All: -0.130+/-0.069 χ^2/NDF: 92.4/75

diff_bpm_4aX_4ecX_dd_rms vs Slug, Sign Corrected



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: 419.250+/-0.074 χ^2/NDF:463163.4/19

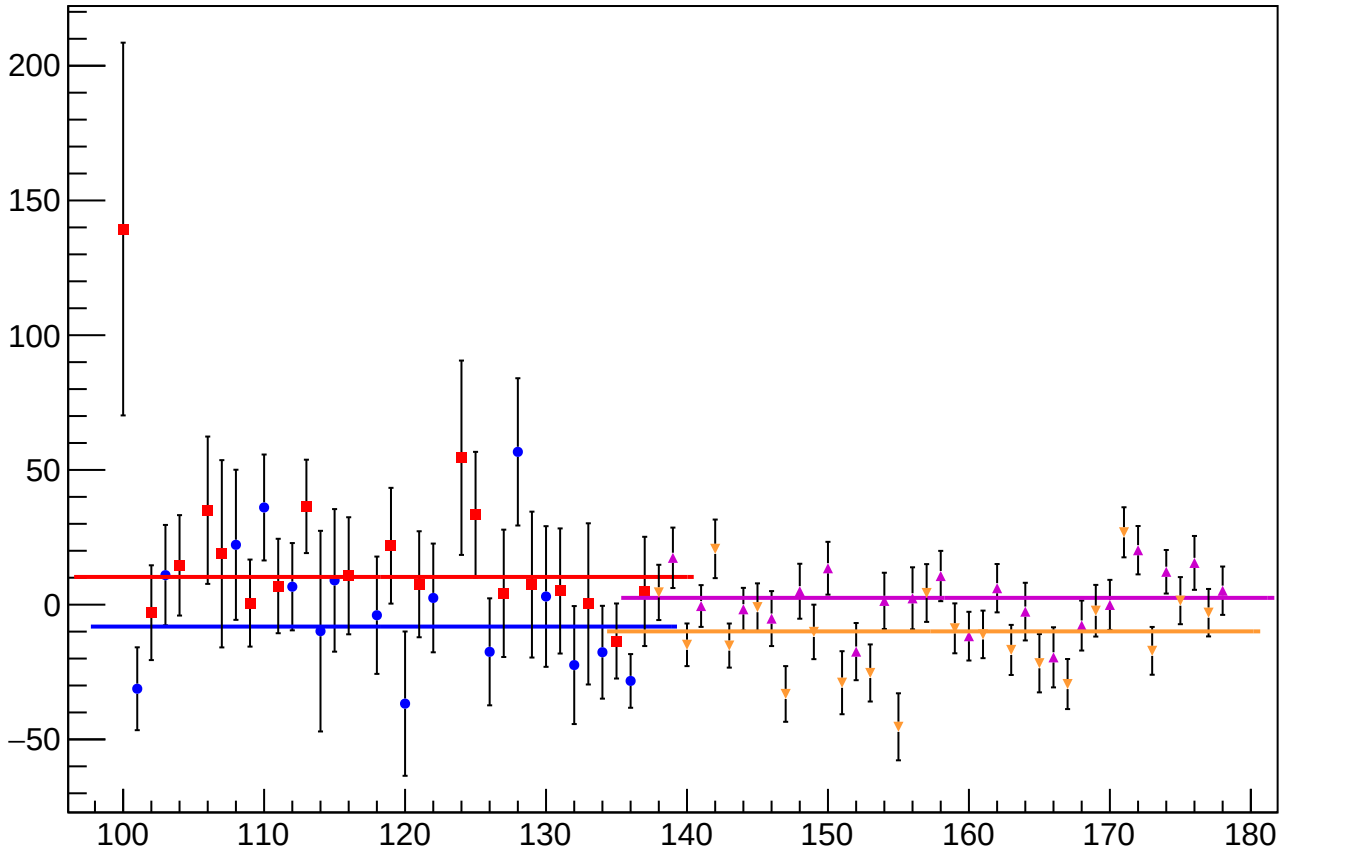
Left: 419.866+/-0.052 χ^2/NDF: 818906.4/40

Right: 620.535+/-0.130 χ^2/NDF: 5651022.3/34

In: 446.510+/-0.069 χ^2/NDF:4248944.6/35

Out: 448.986+/-0.068 χ^2/NDF:4271944.8/39

All: 447.754+/-0.048 χ^2/NDF: 8521541.9/75



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: 2.521+/-2.122 χ^2/NDF:23.5/19

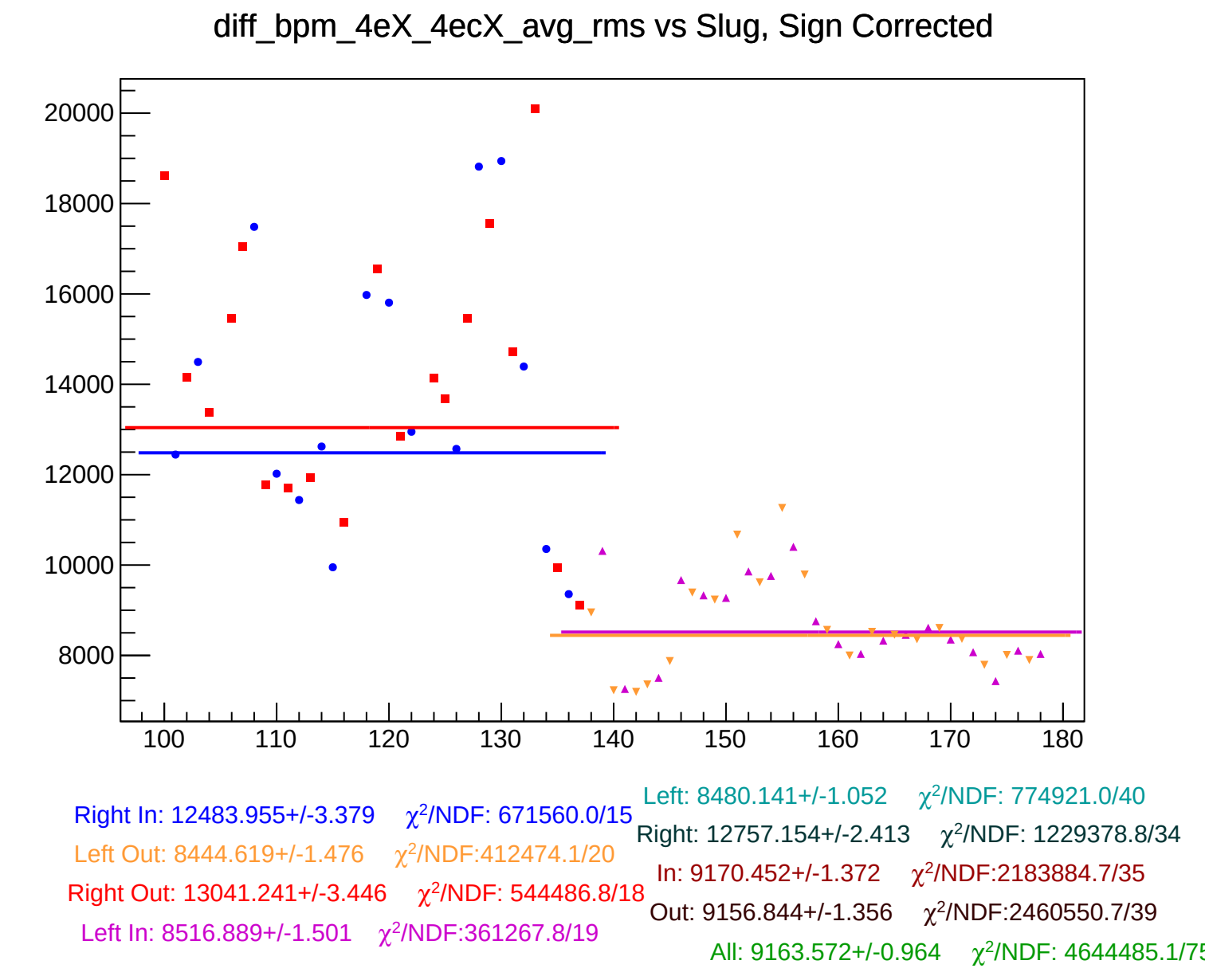
Left: -3.801+/-1.488 χ^2/NDF: 98.0/40

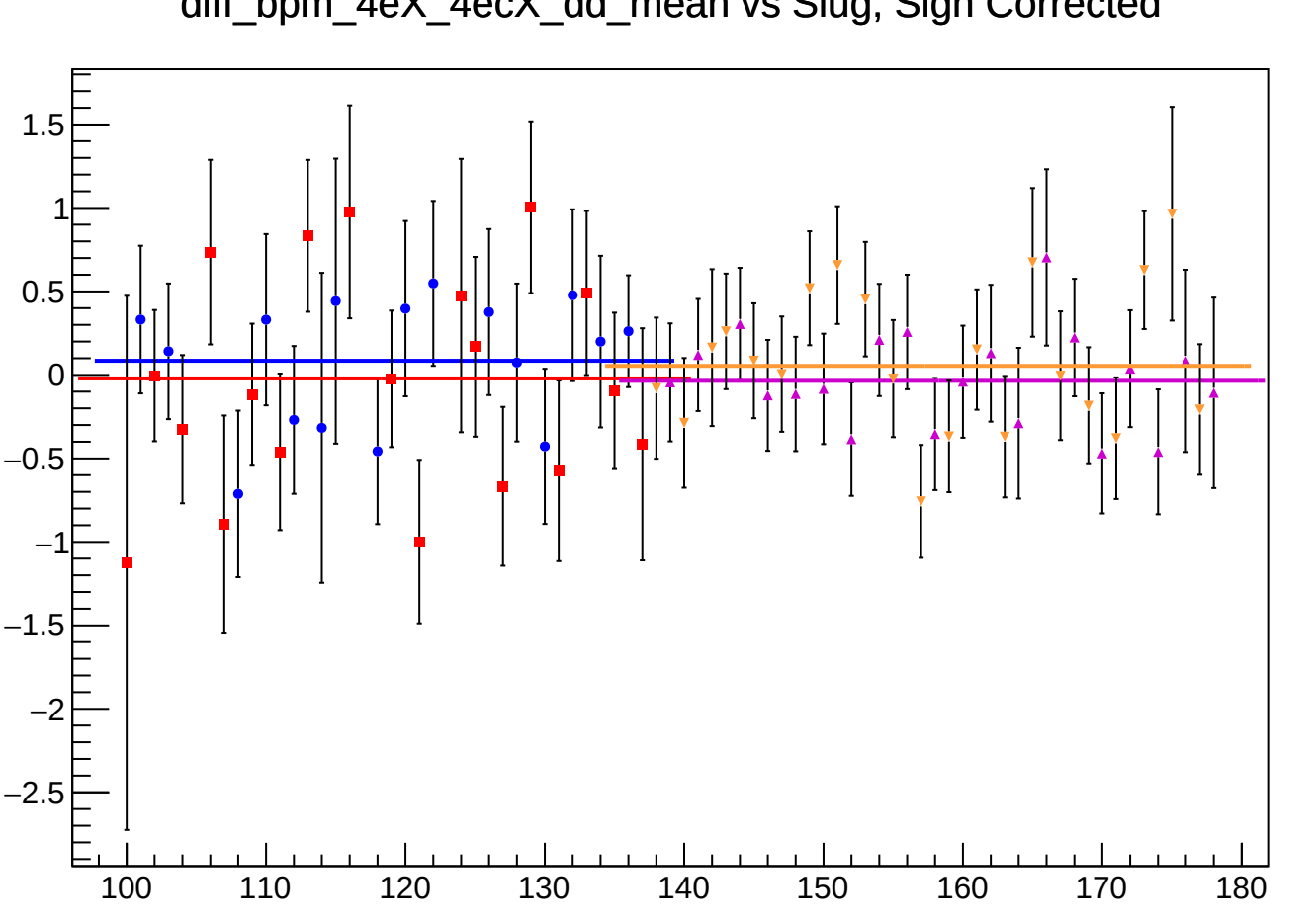
Right: 0.898+/-3.412 χ^2/NDF: 44.1/34

In: 0.766+/-1.940 χ^2/NDF:50.8/35

Out: -6.783+/-1.918 χ^2/NDF:85.2/39

All: -3.050+/-1.364 χ^2/NDF: 143.6/75


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: 8516.889+/-1.501 χ²/NDF:361267.8/19
Left: 8480.141+/-1.052 χ²/NDF: 774921.0/40
Right: 12757.154+/-2.413 χ²/NDF: 1229378.8/34
In: 9170.452+/-1.372 χ²/NDF:2183884.7/35
Out: 9156.844+/-1.356 χ²/NDF:2460550.7/39
All: 9163.572+/-0.964 χ²/NDF: 4644485.1/75



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: -0.035+/-0.082 χ^2/NDF:10.4/19

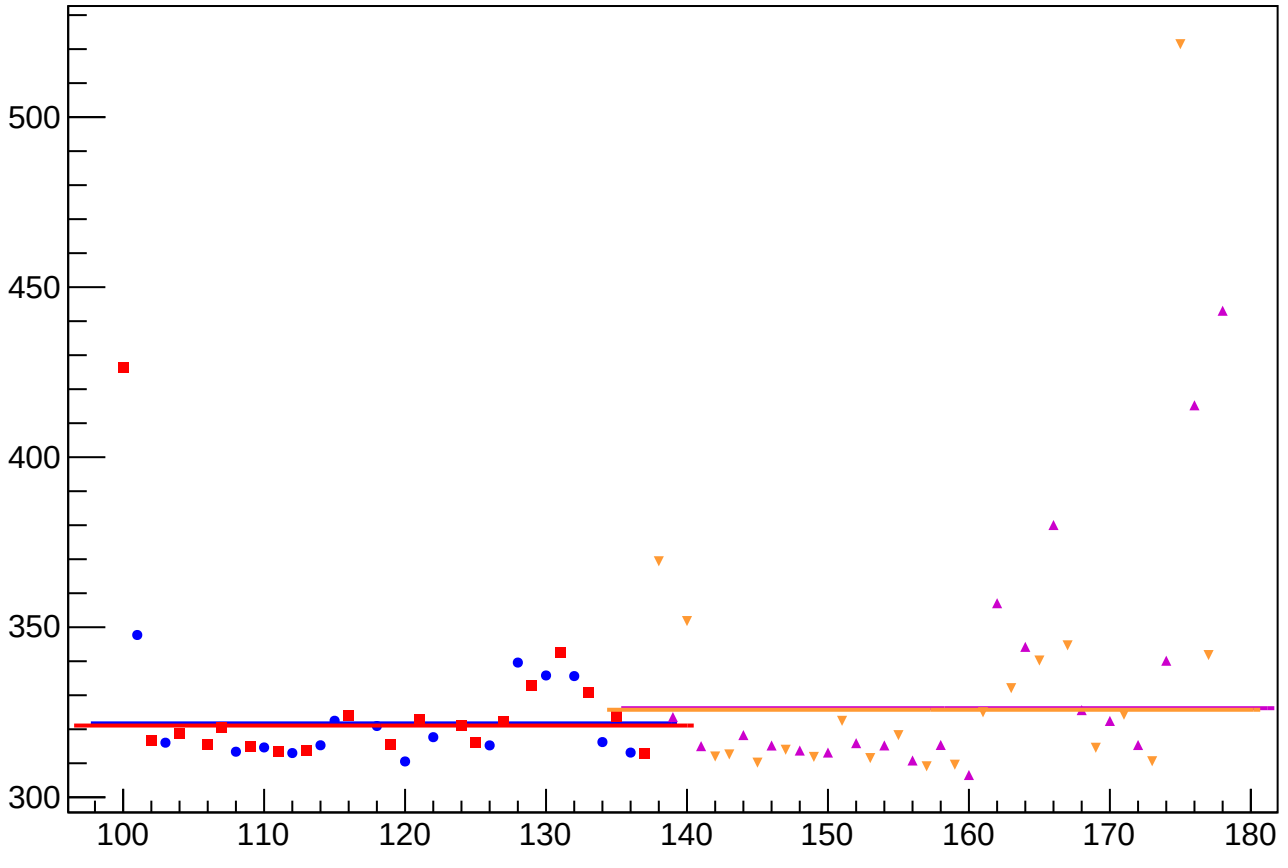
Left: 0.010+/-0.058 χ^2/NDF: 36.3/40

Right: 0.031+/-0.084 χ^2/NDF: 34.1/34

In: 0.003+/-0.068 χ^2/NDF:20.5/35

Out: 0.030+/-0.067 χ^2/NDF:49.8/39

All: 0.017+/-0.048 χ^2/NDF: 70.4/75



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: 326.194+/-0.058 χ^2/NDF:205861.9/19

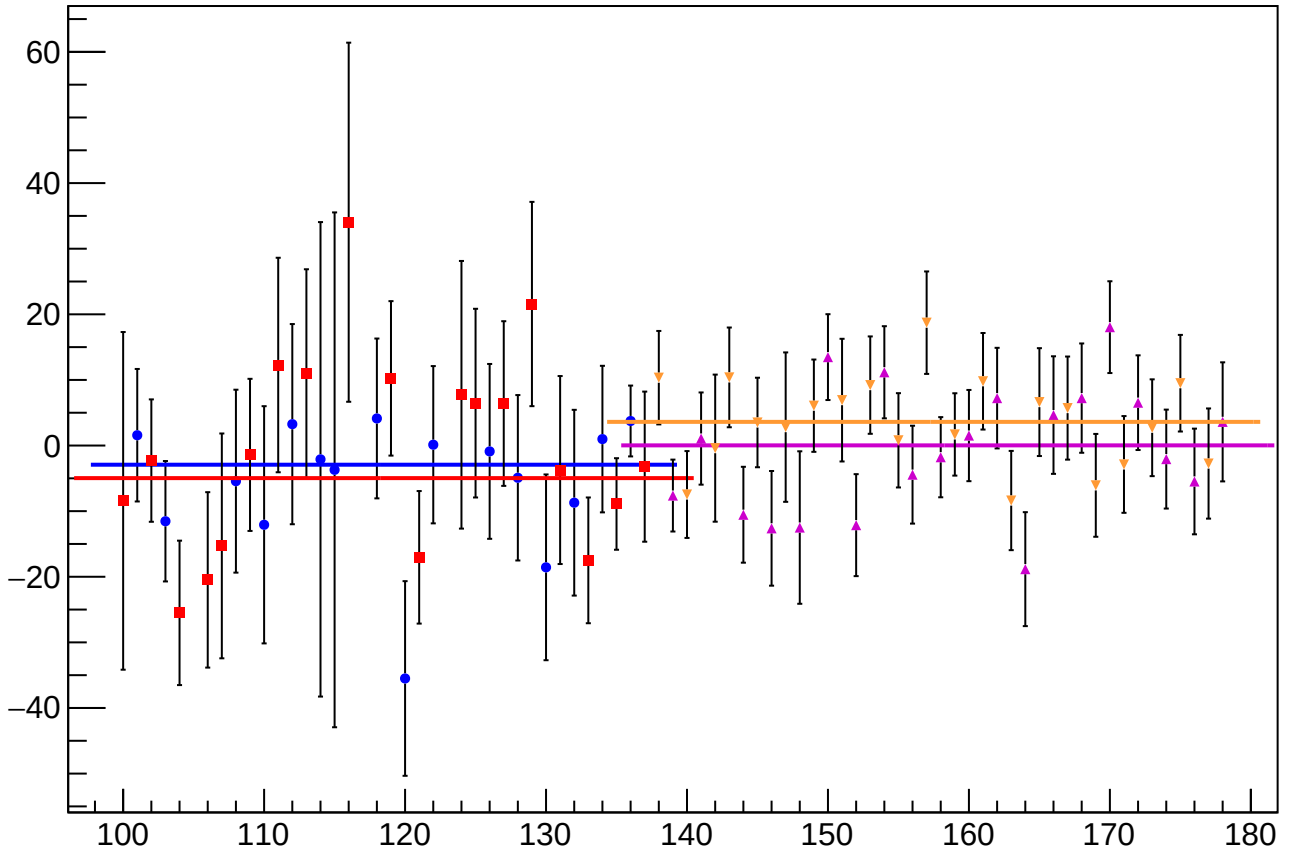
Left: 325.961+/-0.041 χ^2/NDF: 468358.8/40

Right: 321.403+/-0.059 χ^2/NDF: 34822.5/34

In: 324.772+/-0.048 χ^2/NDF:225960.5/35

Out: 324.241+/-0.047 χ^2/NDF:281161.6/39

All: 324.502+/-0.034 χ^2/NDF: 507184.5/75



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: 0.026+/-1.666 χ^2/NDF:31.8/19

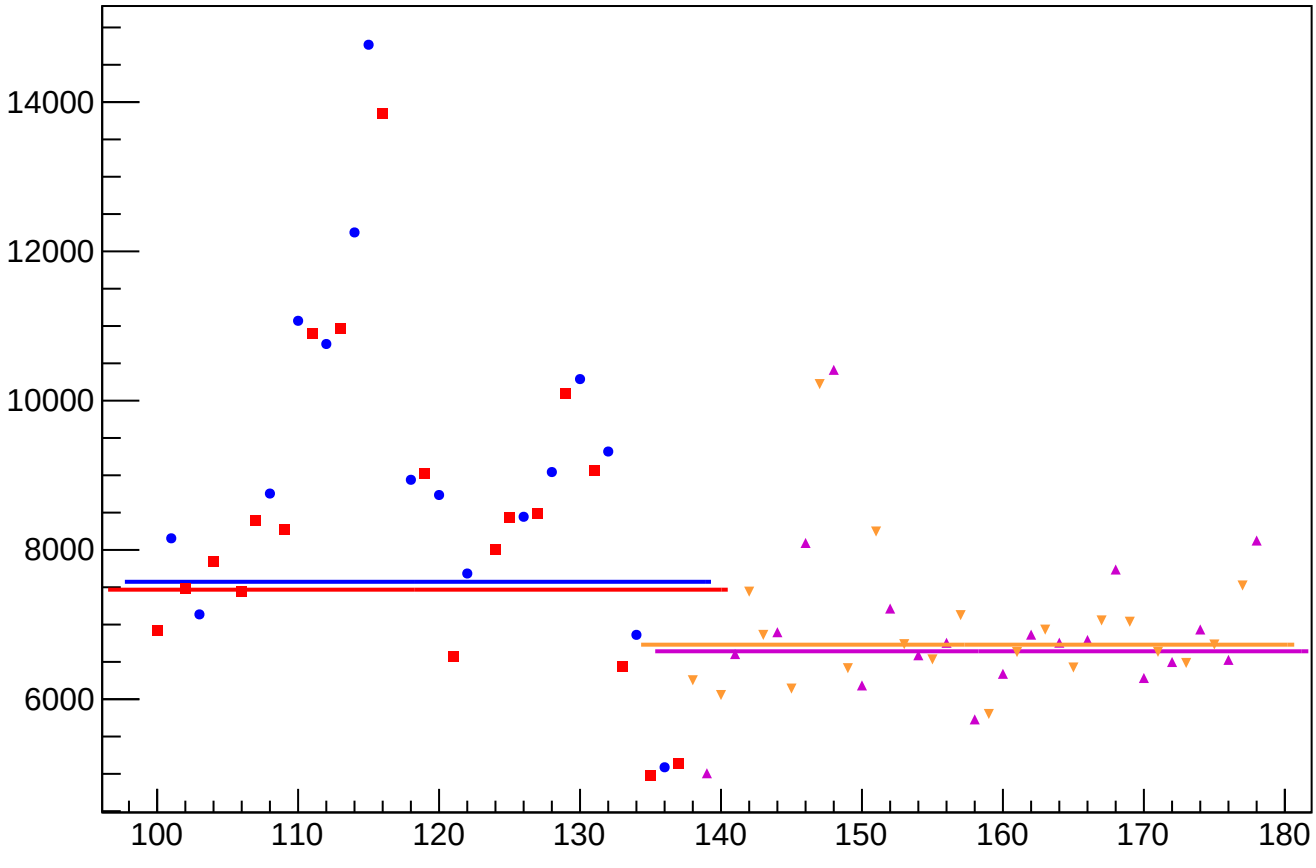
Left: 1.817+/-1.178 χ^2/NDF: 50.5/40

Right: -3.974+/-2.027 χ^2/NDF: 29.5/34

In: -0.702+/-1.446 χ^2/NDF:42.4/35

Out: 1.396+/-1.434 χ^2/NDF:42.6/39

All: 0.355+/-1.018 χ^2/NDF: 86.1/75



Right In: 7573.161+/-2.058 χ^2/NDF: 897588.4/15

Left Out: 6730.699+/-1.178 χ^2/NDF:379733.1/20

Right Out: 7467.477+/-1.997 χ^2/NDF: 828353.3/18

Left In: 6642.098+/-1.178 χ^2/NDF:615870.4/19

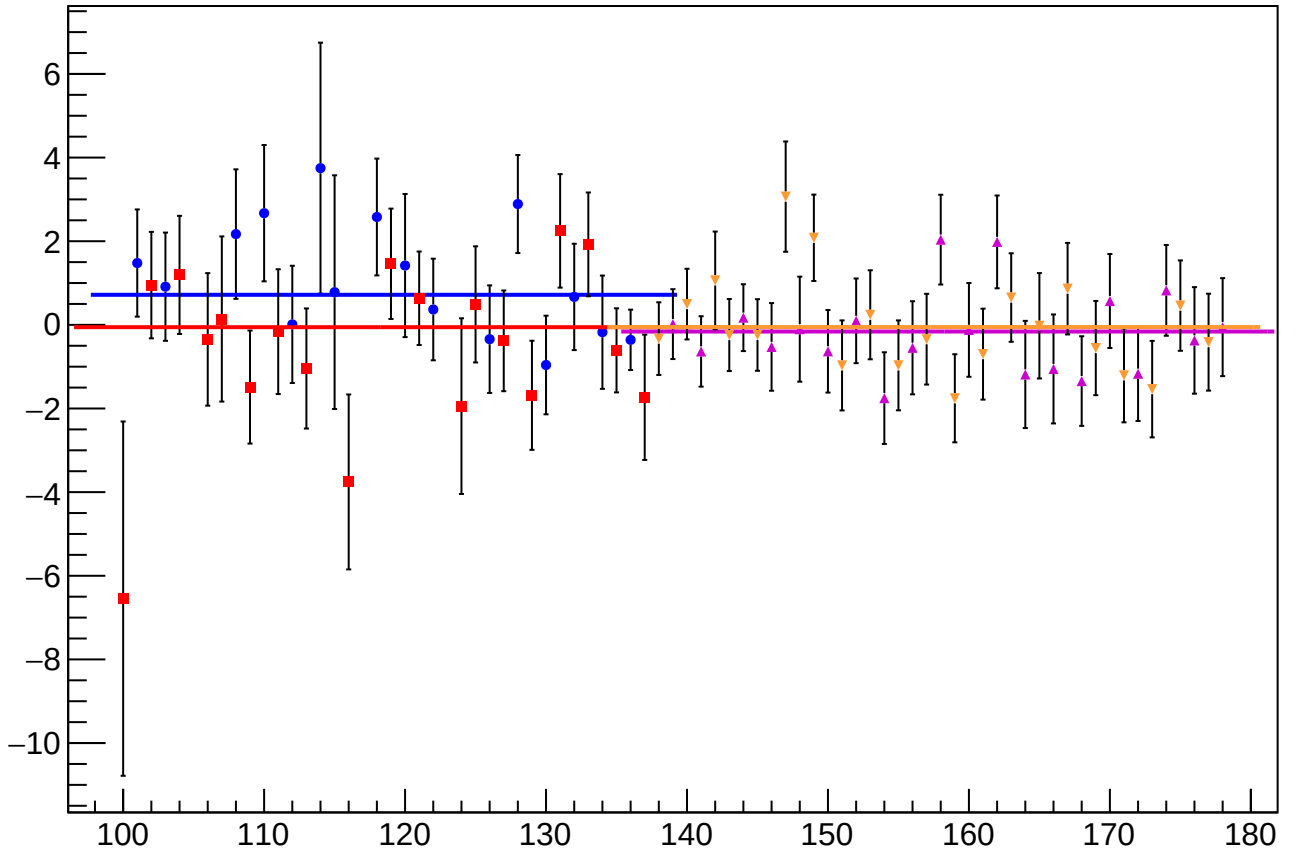
Left: 6686.412+/-0.833 χ^2/NDF: 998433.5/40

Right: 7518.728+/-1.433 χ^2/NDF: 1727300.0/34

In: 6871.850+/-1.022 χ^2/NDF:1667643.3/35

Out: 6920.798+/-1.014 χ^2/NDF:1309099.7/39

All: 6896.515+/-0.720 χ^2/NDF: 2977898.3/75



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: -0.160+/-0.236 χ^2/NDF:15.5/19

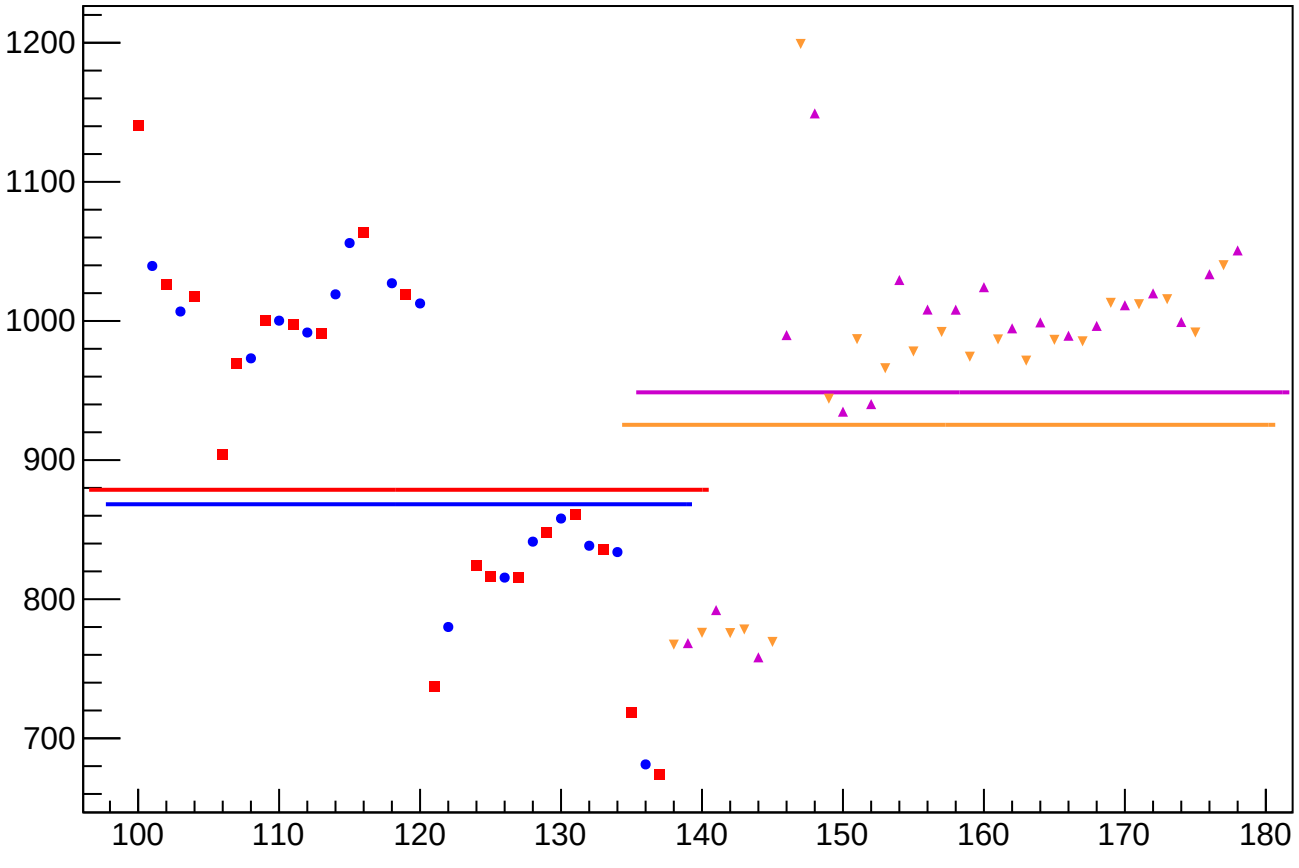
Left: -0.104+/-0.164 χ^2/NDF: 36.0/40

Right: 0.329+/-0.230 χ^2/NDF: 37.4/34

In: 0.143+/-0.191 χ^2/NDF:35.1/35

Out: -0.053+/-0.187 χ^2/NDF:40.2/39

All: 0.042+/-0.134 χ^2/NDF: 75.8/75



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: 948.702+/-0.167 χ^2/NDF:417295.7/19

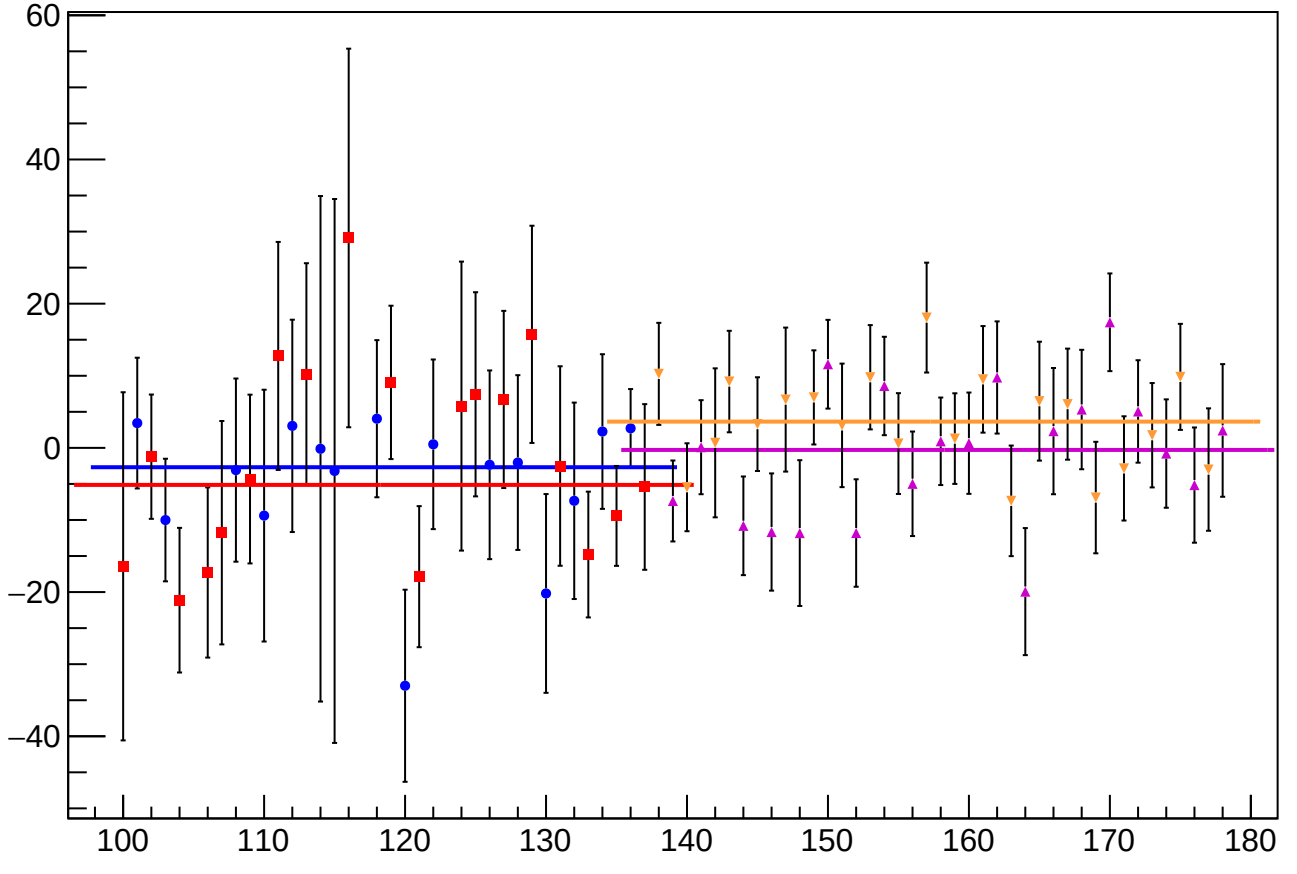
Left: 936.627+/-0.116 χ^2/NDF: 911251.9/40

Right: 873.496+/-0.162 χ^2/NDF: 575967.6/34

In: 920.982+/-0.135 χ^2/NDF:799574.2/35

Out: 909.820+/-0.132 χ^2/NDF:784223.3/39

All: 915.259+/-0.094 χ^2/NDF: 1587288.2/75



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: -0.285+/-1.627 χ^2/NDF:30.6/19

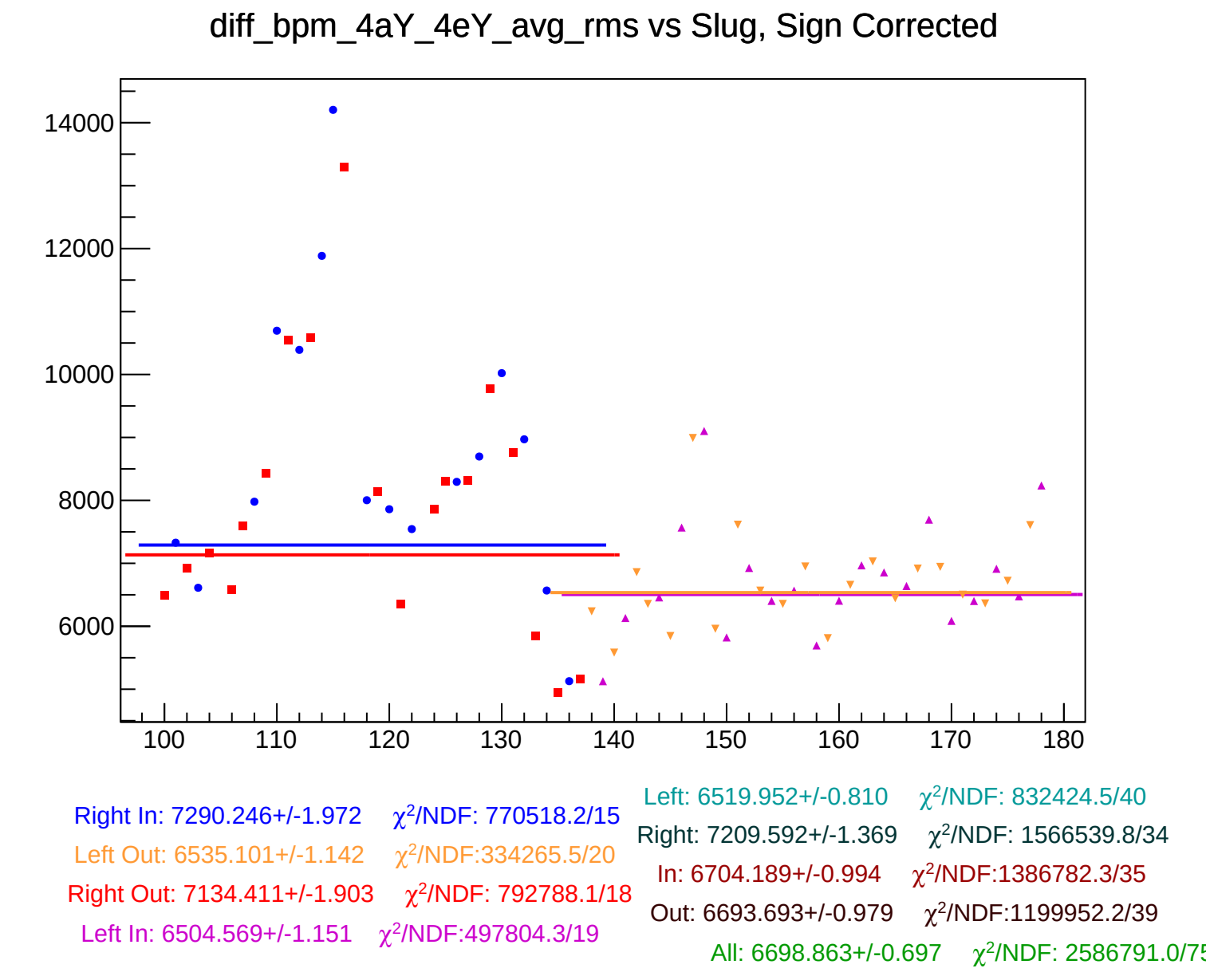
Left: 1.693+/-1.146 χ^2/NDF: 49.3/40

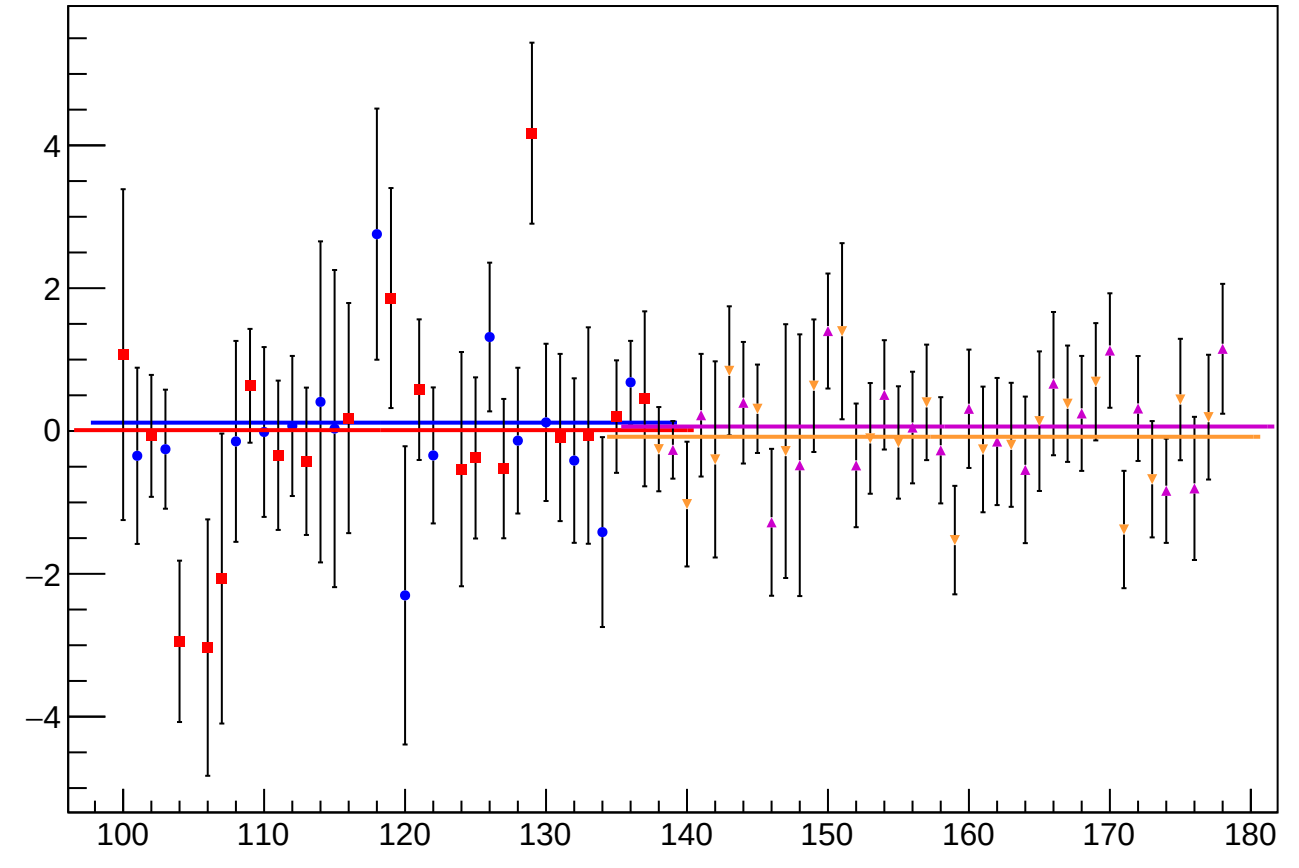
Right: -3.953+/-1.937 χ^2/NDF: 27.7/34

In: -0.894+/-1.405 χ^2/NDF:41.2/35

Out: 1.318+/-1.385 χ^2/NDF:40.8/39

All: 0.228+/-0.986 χ^2/NDF: 83.3/75


diff_bpm_4aY_4eY_avg_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
180
Right In: 7290.246+/-1.972 χ²/NDF: 770518.2/15
Left Out: 6535.101+/-1.142 χ²/NDF:334265.5/20
Right Out: 7134.411+/-1.903 χ²/NDF: 792788.1/18
Left In: 6504.569+/-1.151 χ²/NDF:497804.3/19
Left: 6519.952+/-0.810 χ²/NDF: 832424.5/40
Right: 7209.592+/-1.369 χ²/NDF: 1566539.8/34
In: 6704.189+/-0.994 χ²/NDF:1386782.3/35
Out: 6693.693+/-0.979 χ²/NDF:1199952.2/39
All: 6698.863+/-0.697 χ²/NDF: 2586791.0/75



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: -0.081+/-0.184 χ^2/NDF:13.6/20

Right Out: 0.012+/-0.263 χ^2/NDF: 25.2/18

Left In: 0.063+/-0.177 χ^2/NDF:12.8/19

Left: -0.006+/-0.128 χ^2/NDF: 26.7/40

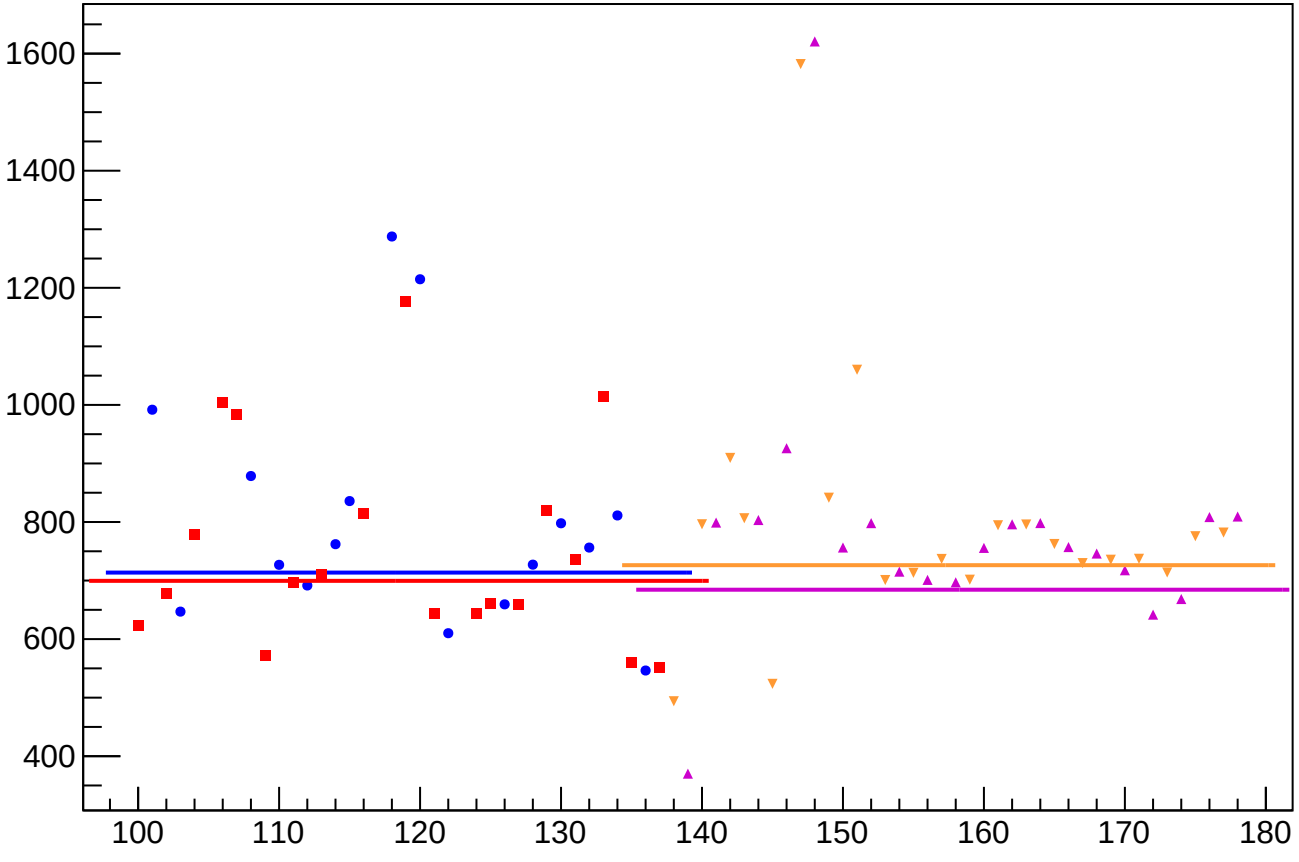
Right: 0.063+/-0.190 χ^2/NDF: 33.4/34

In: 0.079+/-0.149 χ^2/NDF:20.9/35

Out: -0.050+/-0.151 χ^2/NDF:38.9/39

All: 0.015+/-0.106 χ^2/NDF: 60.2/75

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: 684.357+/-0.125 χ^2/NDF:2149237.2/19

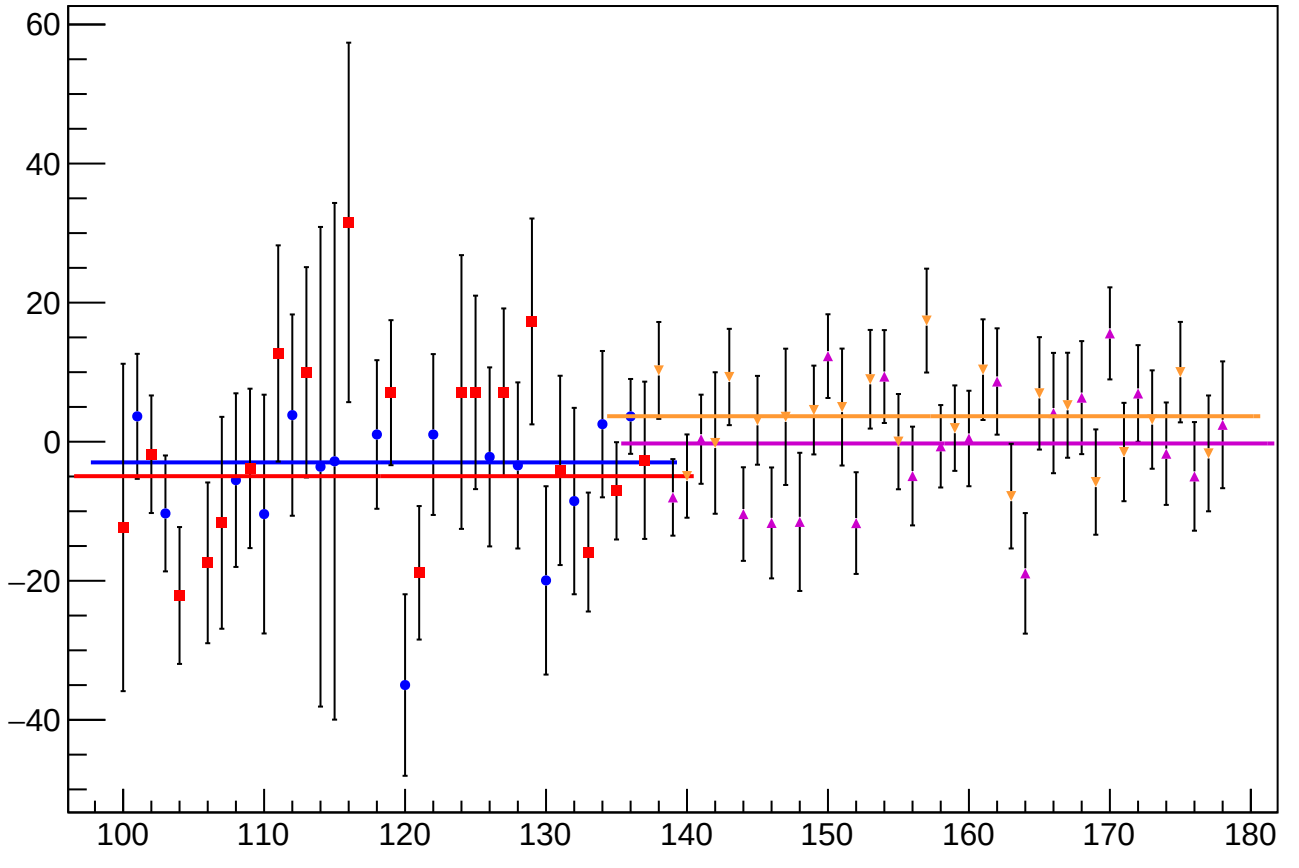
Left: 704.529+/-0.090 χ^2/NDF: 3482155.8/40

Right: 706.303+/-0.134 χ^2/NDF: 1277836.8/34

In: 693.026+/-0.105 χ^2/NDF:2864703.4/35

Out: 717.482+/-0.107 χ^2/NDF:1868725.5/39

All: 705.082+/-0.075 χ^2/NDF: 4760113.1/75



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: -0.252+/-1.596 χ^2/NDF:31.1/19

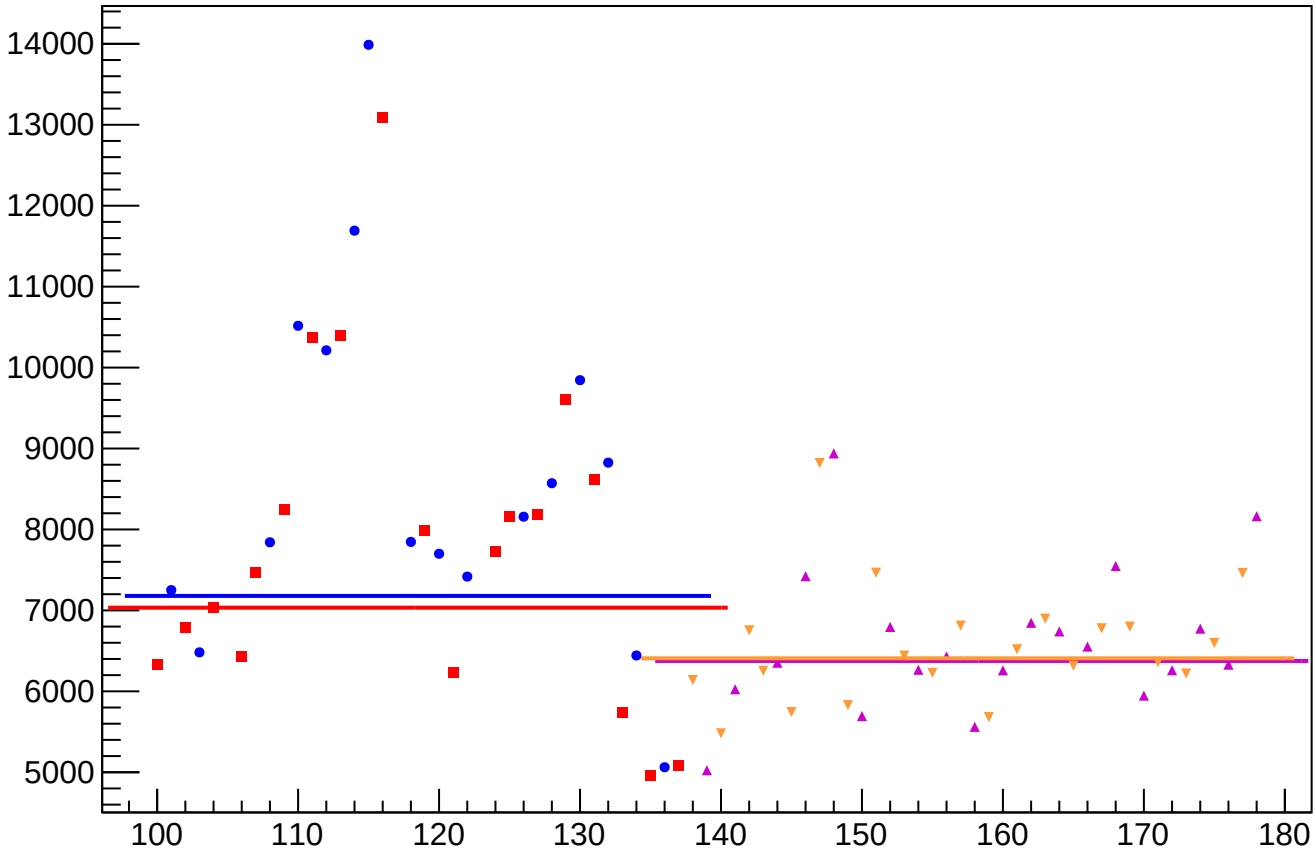
Left: 1.722+/-1.124 χ^2/NDF: 49.0/40

Right: -3.999+/-1.908 χ^2/NDF: 30.3/34

In: -0.939+/-1.380 χ^2/NDF:43.4/35

Out: 1.401+/-1.360 χ^2/NDF:41.1/39

All: 0.248+/-0.968 χ^2/NDF: 86.0/75



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: 6375.423+/-1.128 χ^2/NDF:510647.8/19

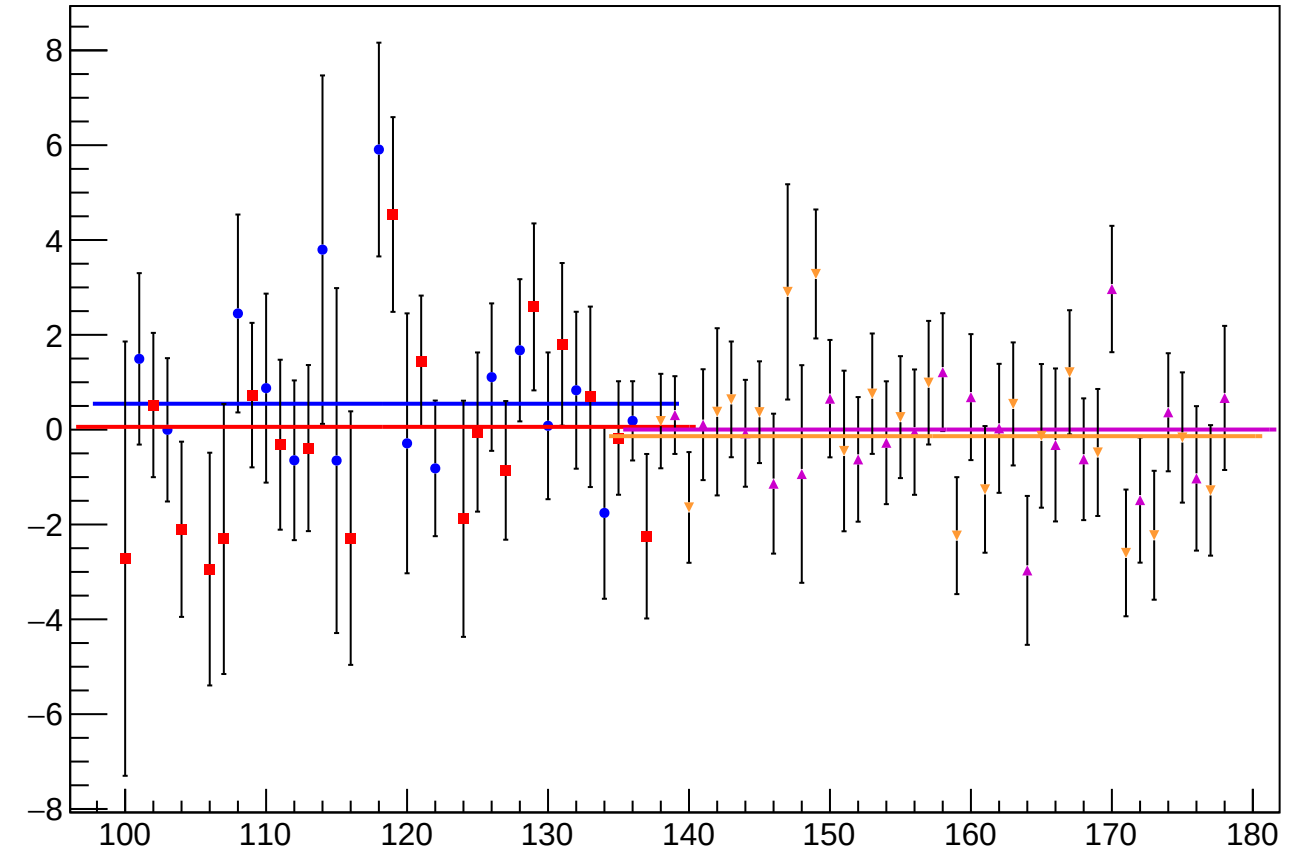
Left: 6391.812+/-0.795 χ^2/NDF: 845731.5/40

Right: 7103.732+/-1.349 χ^2/NDF: 1531224.9/34

In: 6578.227+/-0.976 χ^2/NDF:1400597.7/35

Out: 6572.284+/-0.962 χ^2/NDF:1183035.5/39

All: 6575.212+/-0.685 χ^2/NDF: 2583652.0/75



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: 0.003+/-0.290 χ^2/NDF:13.5/19

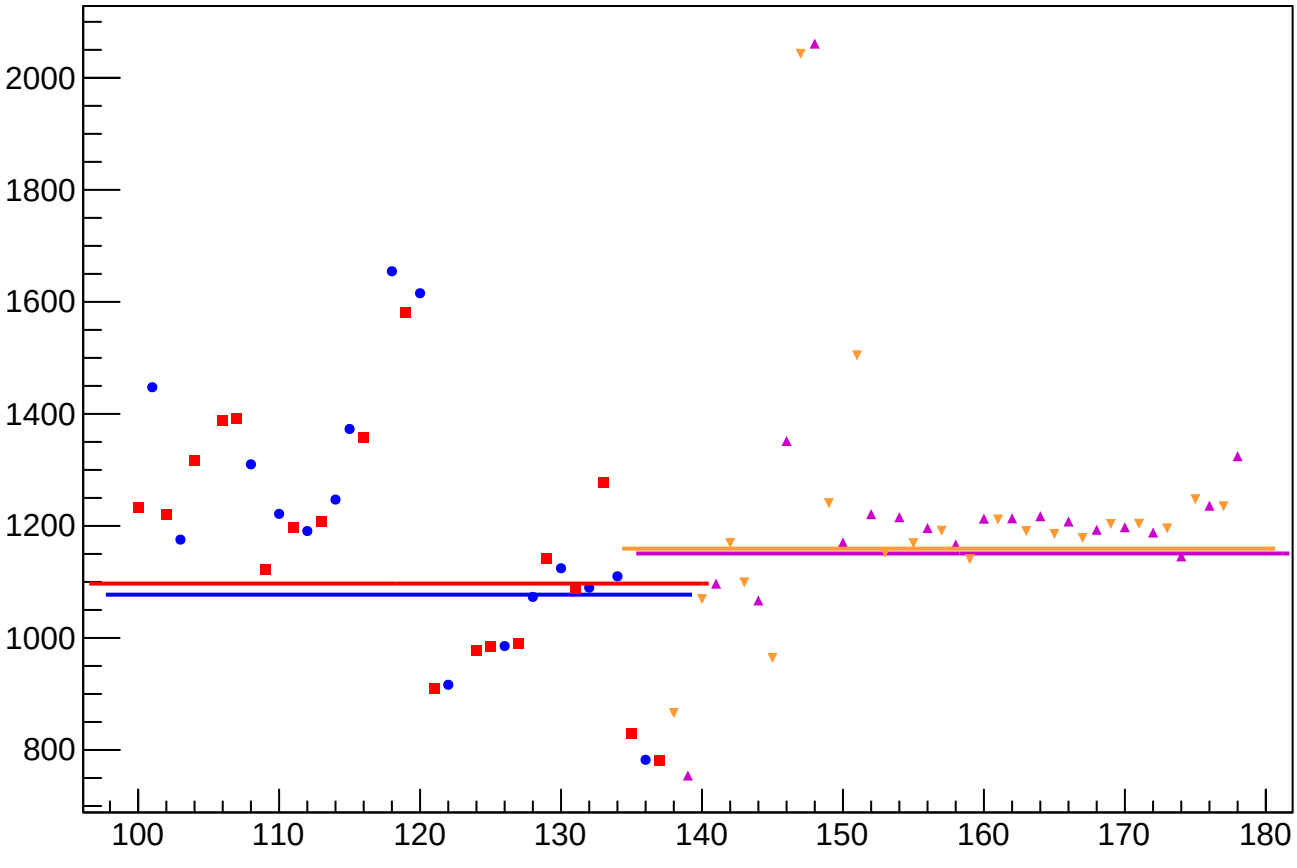
Left: -0.068+/-0.205 χ^2/NDF: 37.0/40

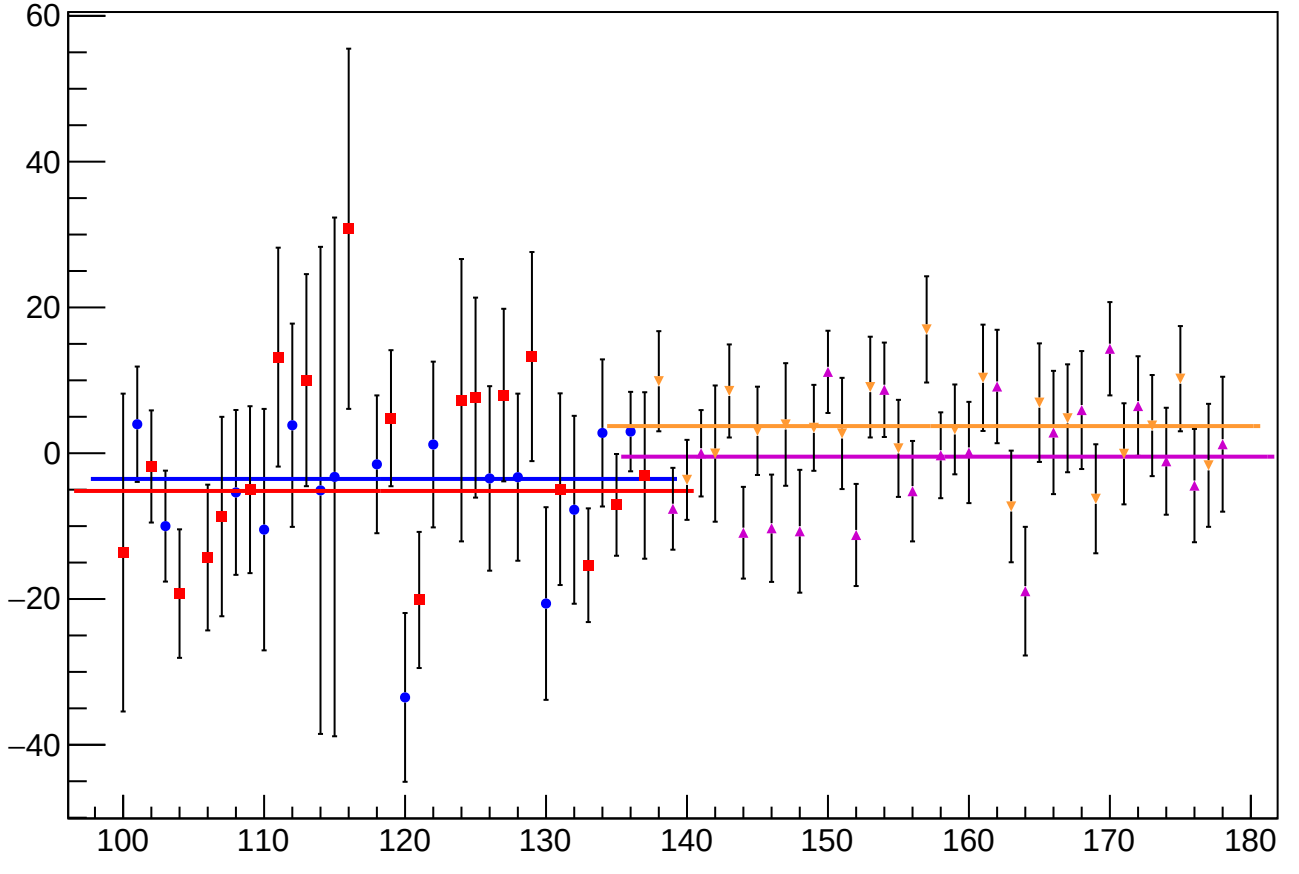
Right: 0.302+/-0.290 χ^2/NDF: 29.5/34

In: 0.184+/-0.237 χ^2/NDF:26.6/35

Out: -0.072+/-0.236 χ^2/NDF:40.4/39

All: 0.055+/-0.167 χ^2/NDF: 67.6/75


diff_bpm_4aY_4ecY_dd_rms vs Slug, Sign Corrected
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
160
170
180
Right In: 1077.306+/-0.291 χ²/NDF: 646521.7/15
Left Out: 1159.441+/-0.204 χ²/NDF:676838.8/20
Right Out: 1097.108+/-0.289 χ²/NDF: 484370.7/18
Left In: 1150.799+/-0.205 χ²/NDF:901714.7/19
Left: 1155.155+/-0.145 χ²/NDF: 1579445.9/40
Right: 1087.256+/-0.205 χ²/NDF: 1133226.7/34
In: 1126.307+/-0.168 χ²/NDF:1590900.6/35
Out: 1138.757+/-0.167 χ²/NDF:1192272.4/39
All: 1132.576+/-0.118 χ²/NDF: 2785947.7/75



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: -0.472+/-1.551 χ^2/NDF:30.1/19

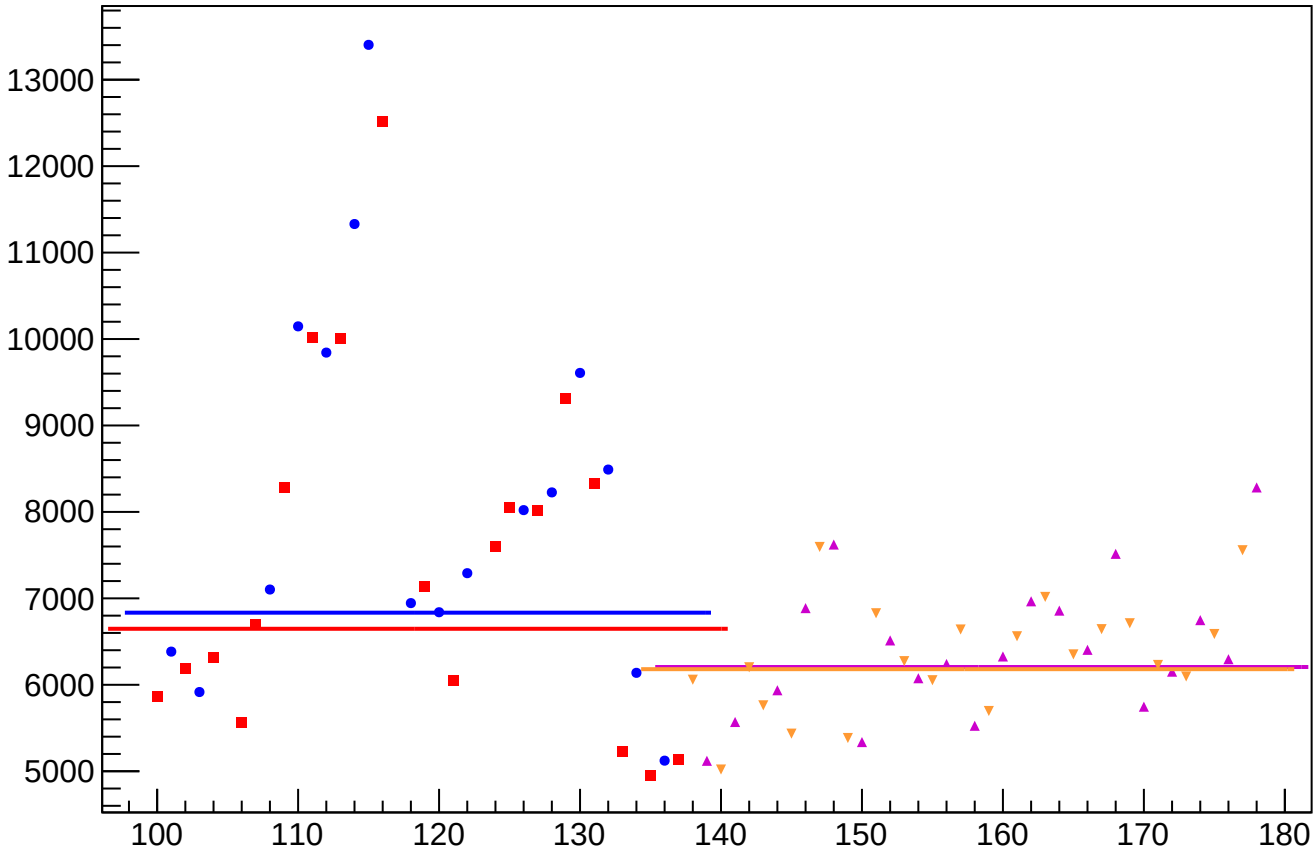
Left: 1.658+/-1.089 χ^2/NDF: 47.7/40

Right: -4.384+/-1.808 χ^2/NDF: 31.0/34

In: -1.271+/-1.333 χ^2/NDF:43.7/35

Out: 1.315+/-1.305 χ^2/NDF:41.3/39

All: 0.050+/-0.933 χ^2/NDF: 86.9/75



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: 6205.766+/-1.097 χ^2/NDF:460255.2/19

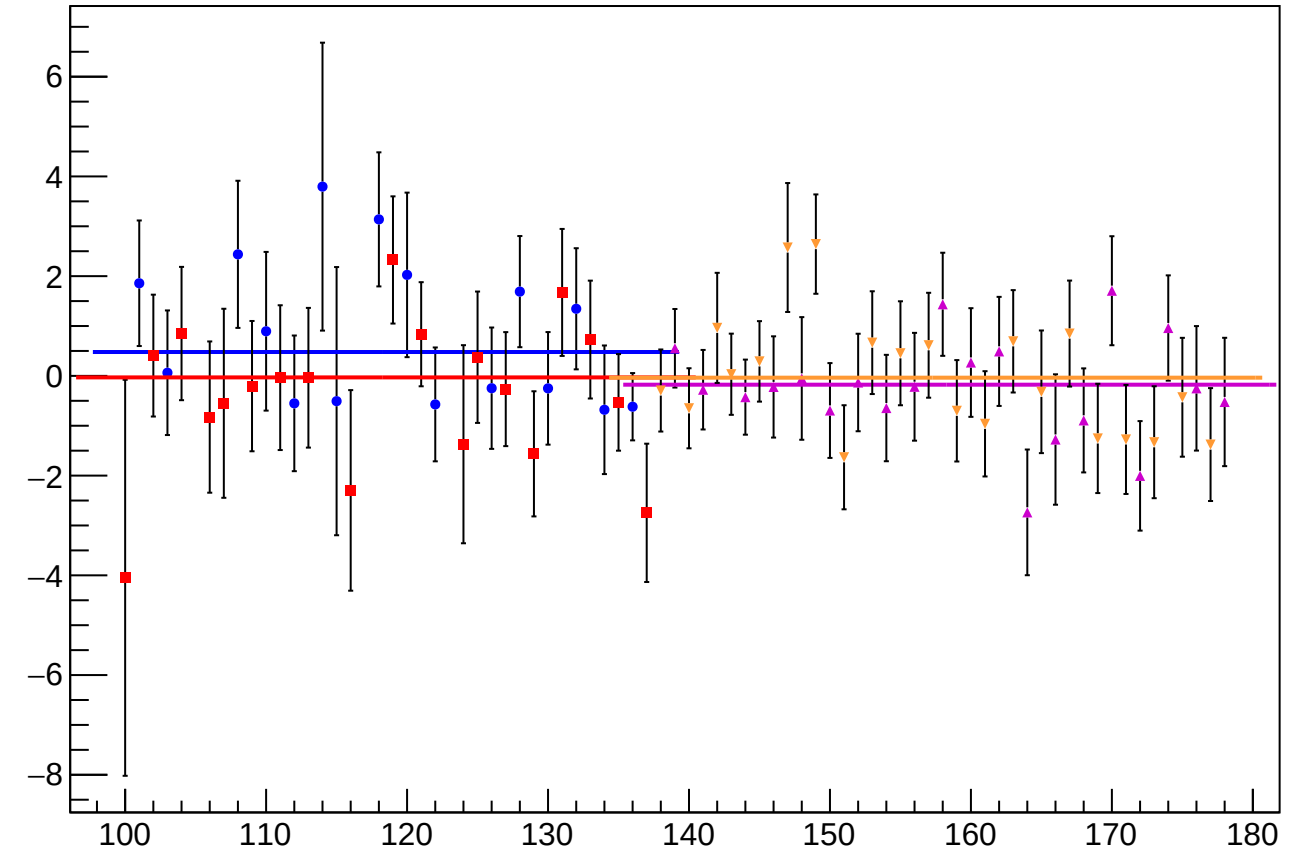
Left: 6193.099+/-0.770 χ^2/NDF: 826327.5/40

Right: 6737.523+/-1.278 χ^2/NDF: 1483130.1/34

In: 6370.029+/-0.943 χ^2/NDF:1238788.0/35

Out: 6307.282+/-0.923 χ^2/NDF:1201526.2/39

All: 6337.980+/-0.659 χ^2/NDF: 2442576.8/75



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: -0.177+/-0.229 χ^2/NDF:16.7/19

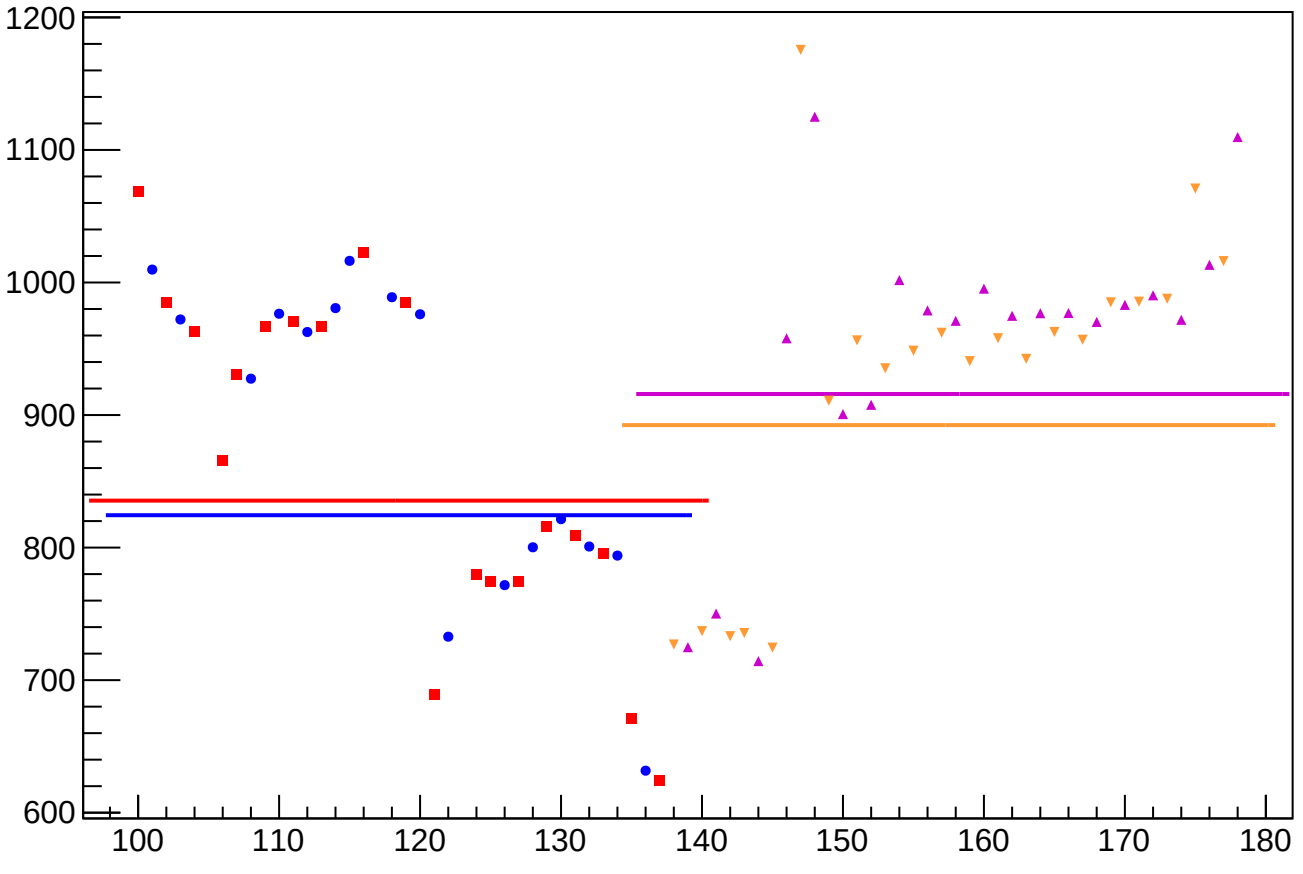
Left: -0.104+/-0.159 χ^2/NDF: 41.1/40

Right: 0.222+/-0.219 χ^2/NDF: 33.8/34

In: 0.054+/-0.185 χ^2/NDF:36.4/35

Out: -0.034+/-0.180 χ^2/NDF:39.9/39

All: 0.009+/-0.129 χ^2/NDF: 76.4/75



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: 915.857+/-0.162 χ^2/NDF:545495.6/19

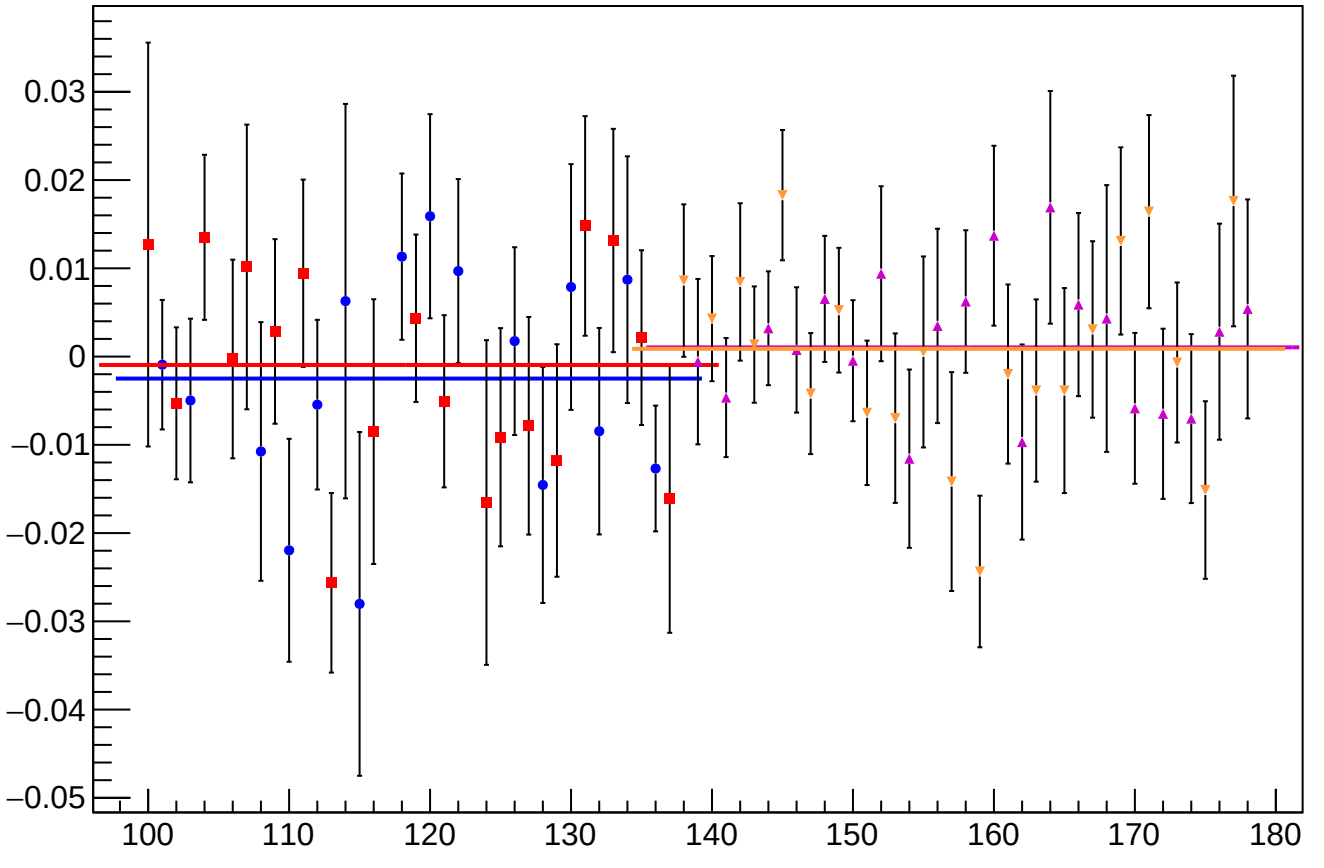
Left: 903.698+/-0.112 χ^2/NDF: 1179512.3/40

Right: 829.974+/-0.155 χ^2/NDF: 686027.0/34

In: 883.634+/-0.130 χ^2/NDF:1023030.2/35

Out: 873.101+/-0.127 χ^2/NDF:987557.0/39

All: 878.226+/-0.091 χ^2/NDF: 2013933.4/75



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:10.5/19

Left: 0.001+/-0.001 χ^2/NDF: 38.2/40

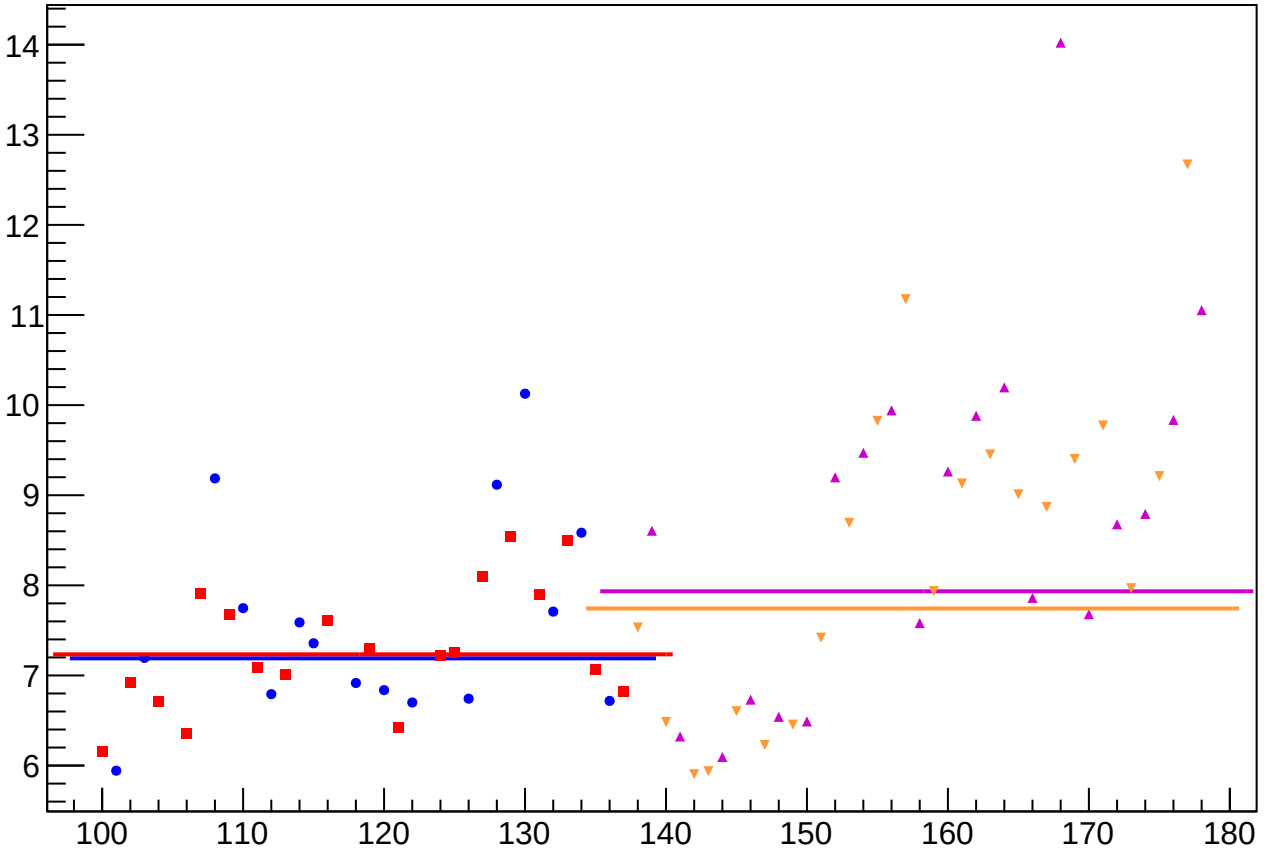
Right: -0.002+/-0.002 χ^2/NDF: 32.8/34

In: -0.000+/-0.002 χ^2/NDF:26.9/35

Out: 0.000+/-0.002 χ^2/NDF:45.2/39

All: 0.000+/-0.001 χ^2/NDF: 72.2/75

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: 7.934+/-0.001 χ^2/NDF:1342229.7/19

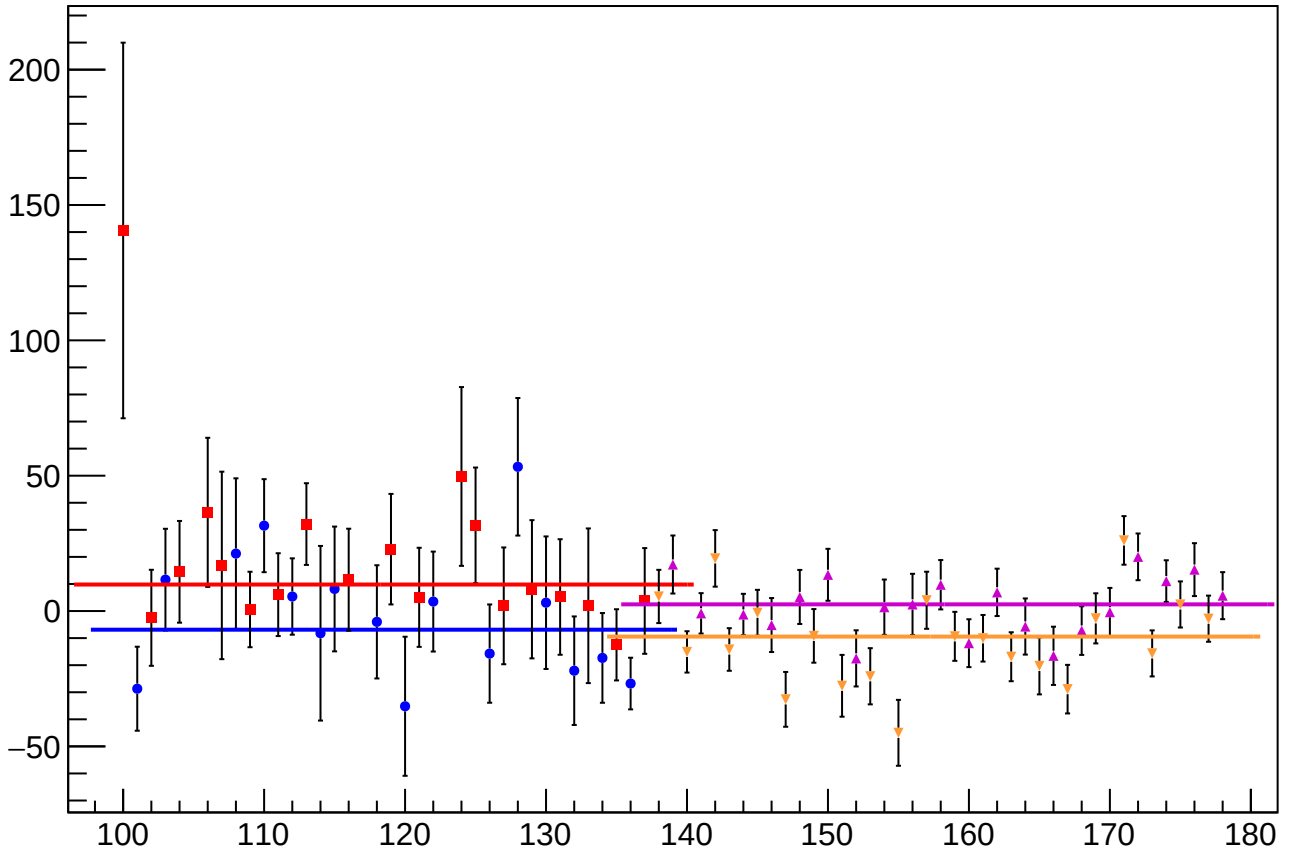
Left: 7.836+/-0.001 χ^2/NDF: 2657898.4/40

Right: 7.213+/-0.001 χ^2/NDF: 384182.4/34

In: 7.670+/-0.001 χ^2/NDF:1717135.6/35

Out: 7.566+/-0.001 χ^2/NDF:1460410.2/39

All: 7.616+/-0.001 χ^2/NDF: 3181787.5/75



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: 2.470+/-2.058 χ^2/NDF:23.8/19

Left: -3.585+/-1.443 χ^2/NDF: 98.4/40

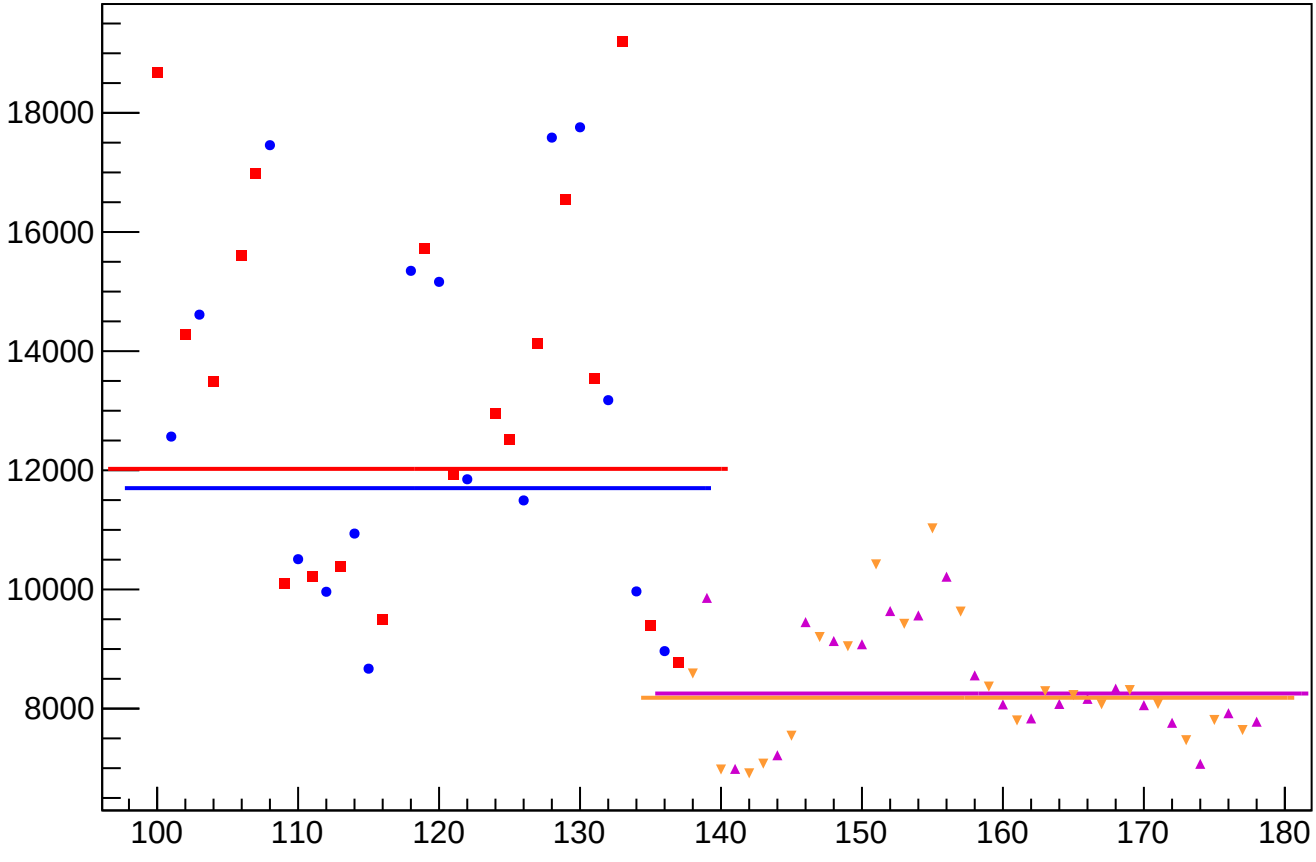
Right: 1.396+/-3.184 χ^2/NDF: 43.9/34

In: 0.844+/-1.871 χ^2/NDF:50.4/35

Out: -6.226+/-1.847 χ^2/NDF:86.6/39

All: -2.737+/-1.314 χ^2/NDF: 144.3/75

diff_targ_positionX_rms vs Slug, Sign Corrected



Right In: 11700.622+/-3.174 χ^2/NDF: 740185.3/15

Left Out: 8182.148+/-1.431 χ^2/NDF:453316.3/20

Right Out: 12024.262+/-3.194 χ^2/NDF: 684788.9/18

Left In: 8253.177+/-1.455 χ^2/NDF:398415.7/19

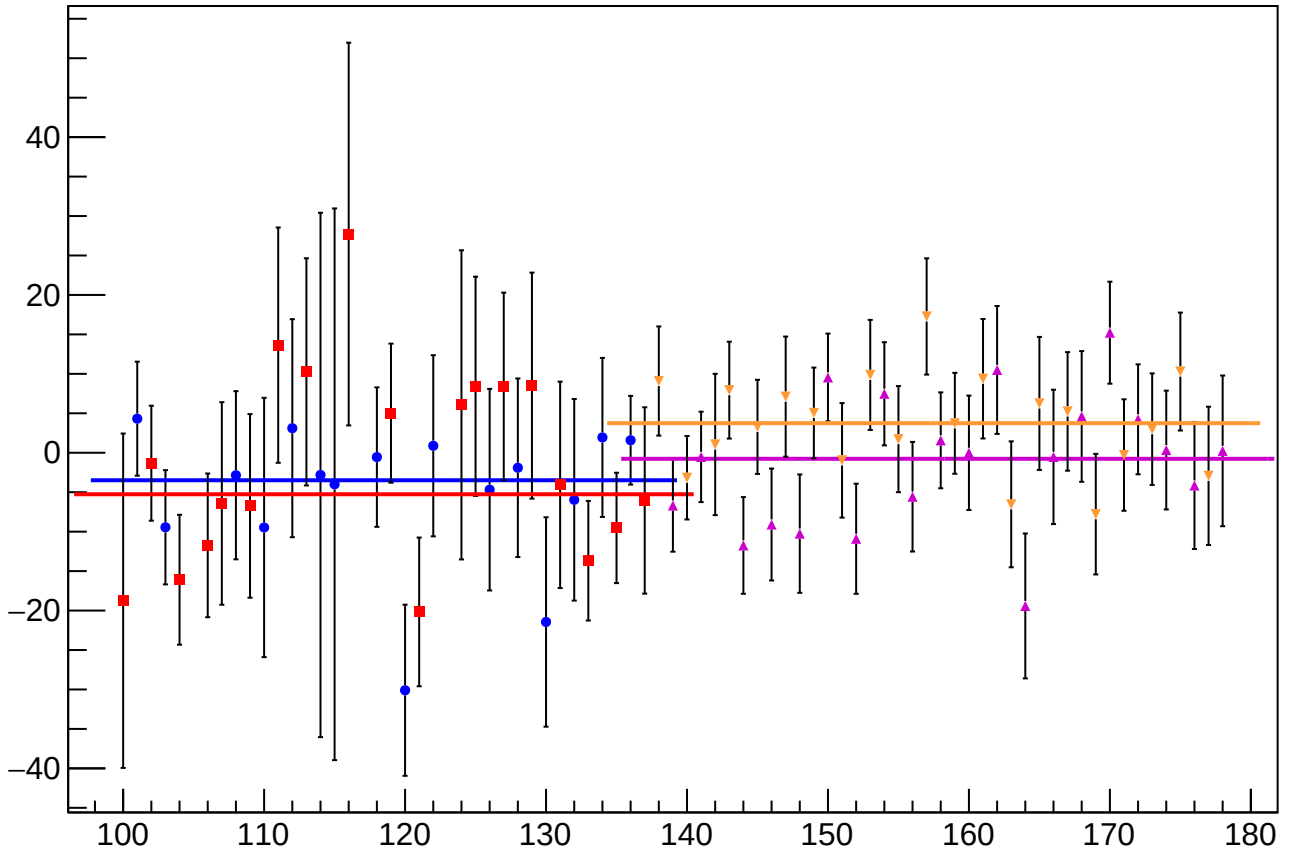
Left: 8217.061+/-1.020 χ^2/NDF: 852943.6/40

Right: 11861.399+/-2.251 χ^2/NDF: 1430140.0/34

In: 8851.977+/-1.323 χ^2/NDF:2113576.3/35

Out: 8824.099+/-1.306 χ^2/NDF:2343147.8/39

All: 8837.858+/-0.929 χ^2/NDF: 4456949.1/75



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: -0.766+/-1.560 χ^2/NDF:28.3/19

Left: 1.540+/-1.091 χ^2/NDF: 46.7/40

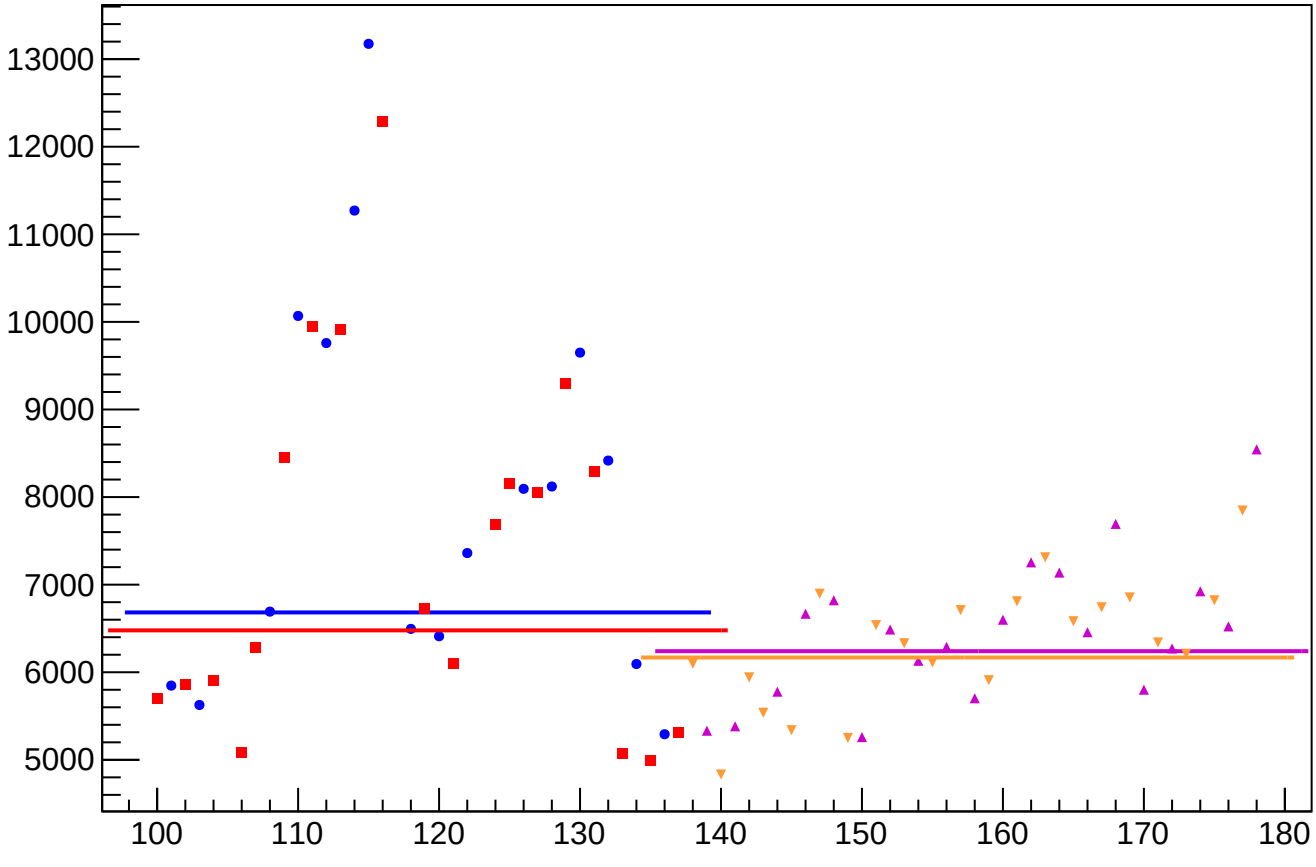
Right: -4.409+/-1.765 χ^2/NDF: 28.3/34

In: -1.506+/-1.330 χ^2/NDF:40.6/35

Out: 1.224+/-1.295 χ^2/NDF:40.4/39

All: -0.105+/-0.928 χ^2/NDF: 83.2/75

diff_targ_positionY_rms vs Slug, Sign Corrected



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: 6240.711+/-1.103 χ^2/NDF:467537.6/19

Left: 6203.799+/-0.772 χ^2/NDF: 926440.3/40

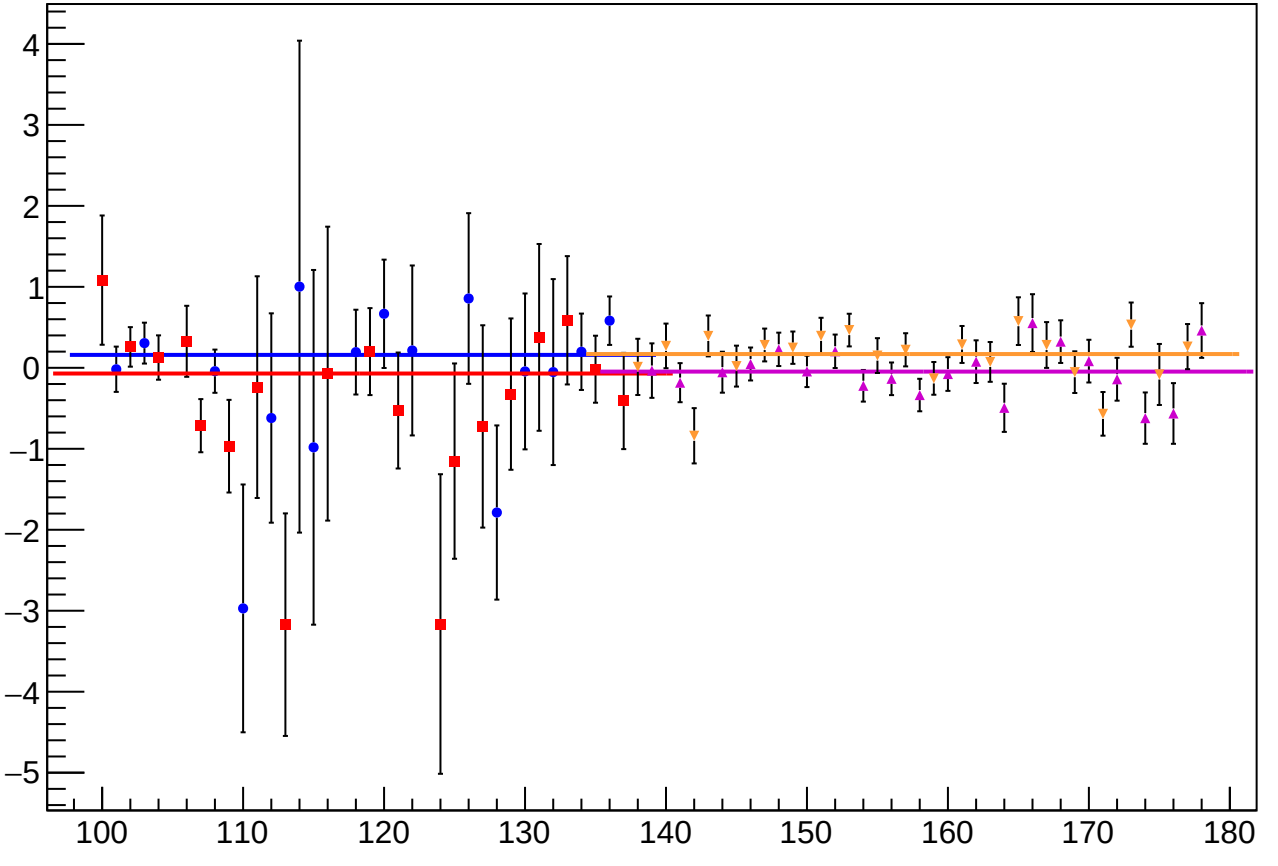
Right: 6576.323+/-1.248 χ^2/NDF: 1538150.0/34

In: 6361.133+/-0.941 χ^2/NDF:1203533.1/35

Out: 6255.249+/-0.916 χ^2/NDF:1319003.9/39

All: 6306.777+/-0.656 χ^2/NDF: 2529040.5/75

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: -0.047+/-0.054 χ^2/NDF:22.0/19

Left: 0.063+/-0.038 χ^2/NDF: 59.3/40

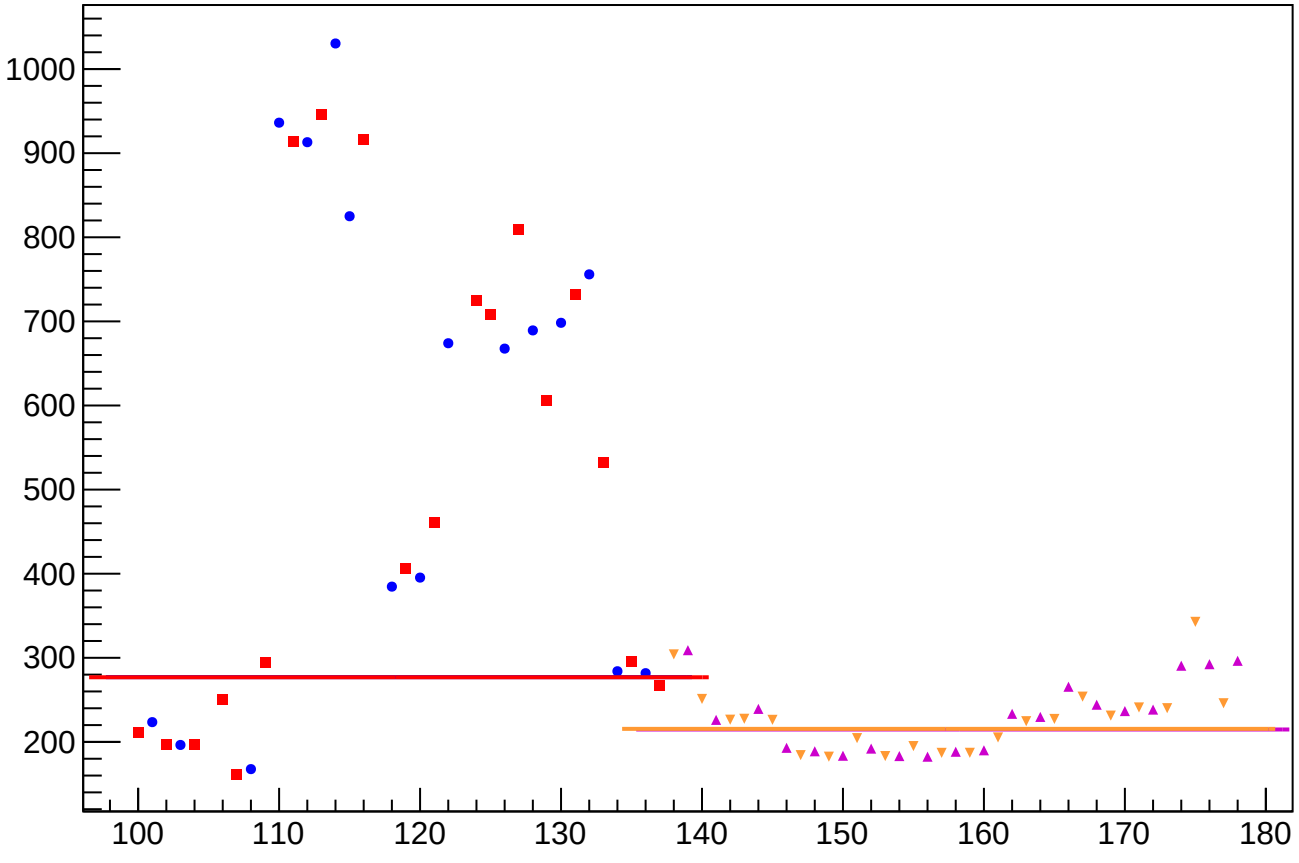
Right: 0.045+/-0.085 χ^2/NDF: 36.9/34

In: -0.012+/-0.049 χ^2/NDF:37.0/35

Out: 0.130+/-0.049 χ^2/NDF:55.0/39

All: 0.060+/-0.035 χ^2/NDF: 96.2/75

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: 214.776+/-0.038 χ^2/NDF:905406.6/19

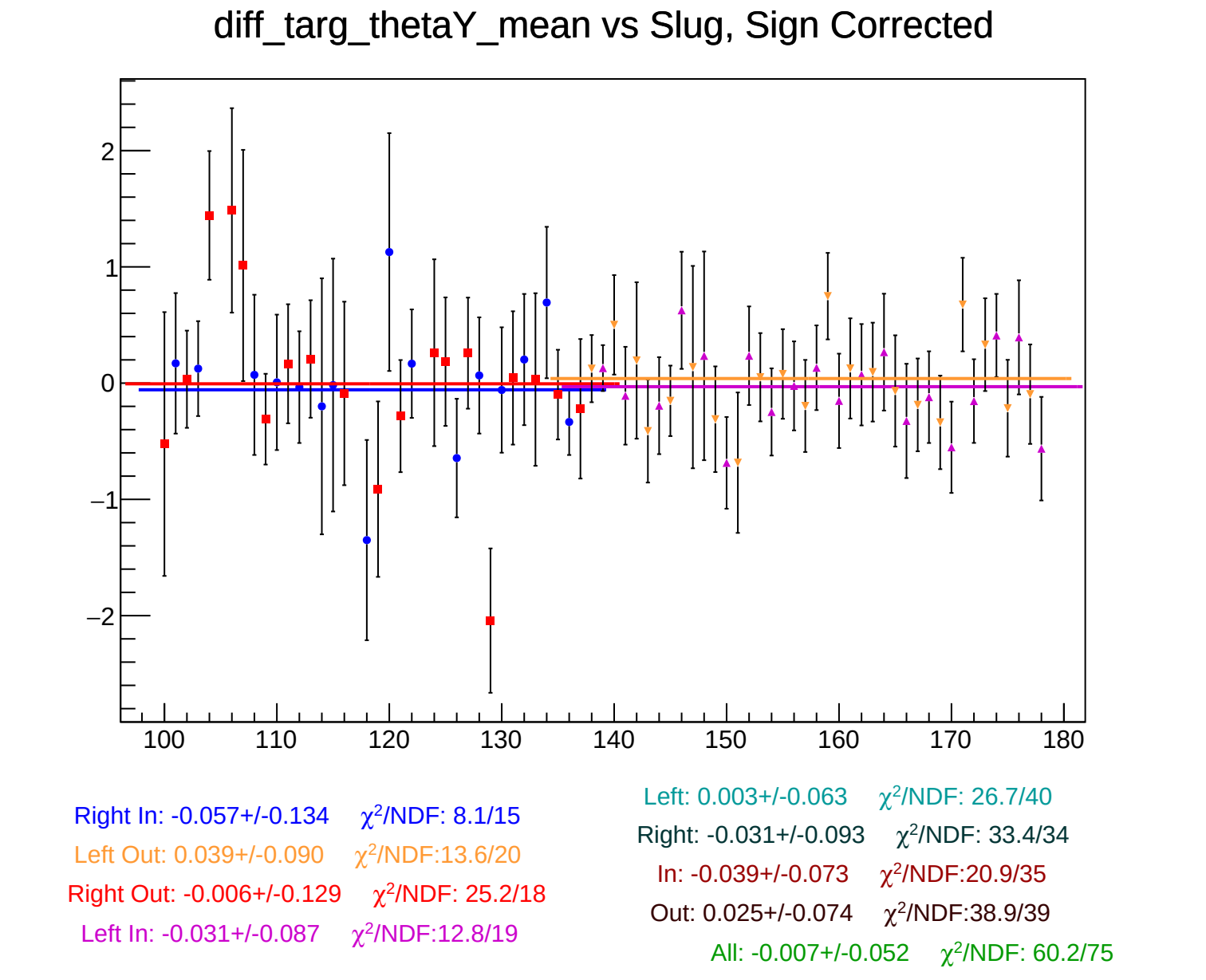
Left: 215.150+/-0.027 χ^2/NDF: 1674737.4/40

Right: 276.942+/-0.060 χ^2/NDF: 7022156.1/34

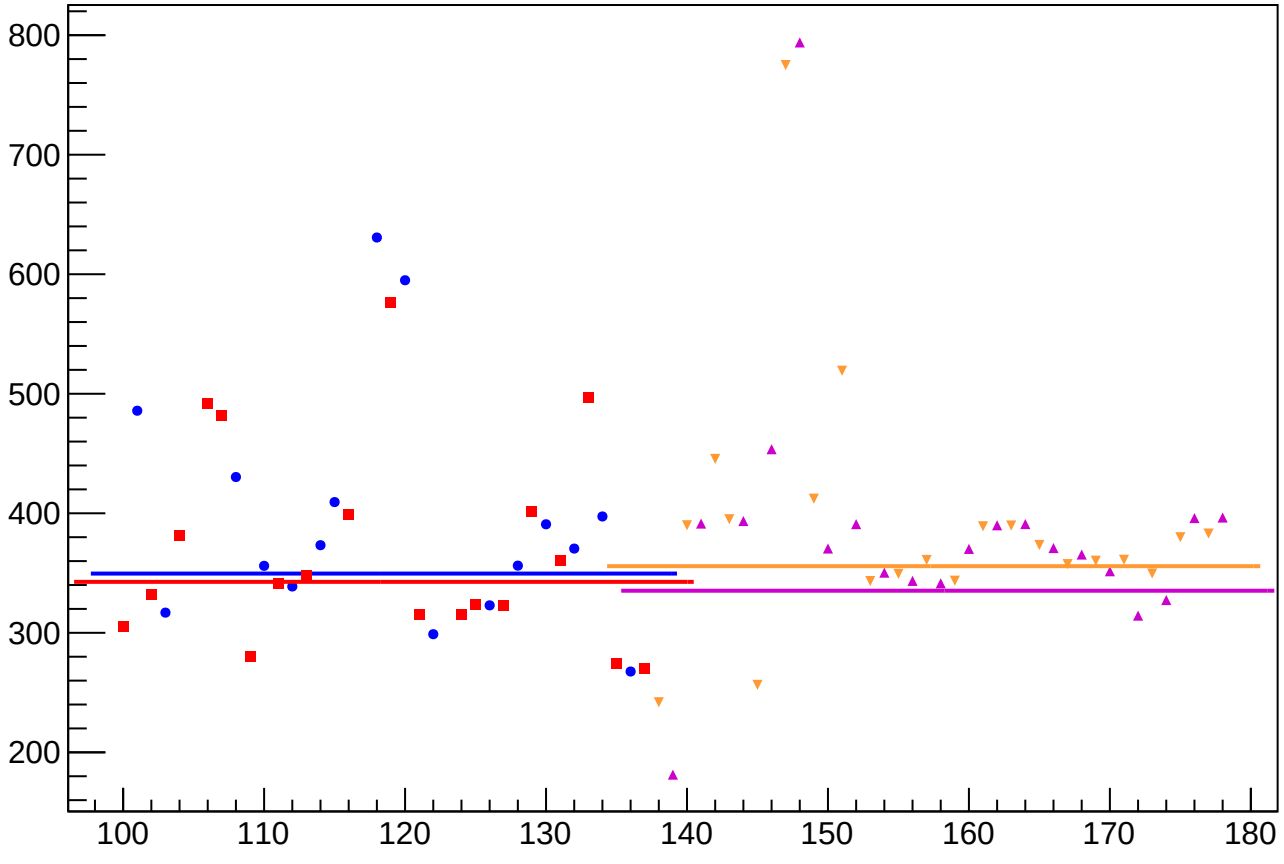
In: 225.379+/-0.035 χ^2/NDF:4805464.1/35

Out: 225.778+/-0.035 χ^2/NDF:4778260.2/39

All: 225.580+/-0.025 χ^2/NDF: 9583790.2/75


diff_targ_thetaY_mean vs Slug, Sign Corrected
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
Right In: -0.057+/-0.134 χ²/NDF: 8.1/15
Left Out: 0.039+/-0.090 χ²/NDF:13.6/20
Right Out: -0.006+/-0.129 χ²/NDF: 25.2/18
Left In: -0.031+/-0.087 χ²/NDF:12.8/19
Left: 0.003+/-0.063 χ²/NDF: 26.7/40
Right: -0.031+/-0.093 χ²/NDF: 33.4/34
In: -0.039+/-0.073 χ²/NDF:20.9/35
Out: 0.025+/-0.074 χ²/NDF:38.9/39
All: -0.007+/-0.052 χ²/NDF: 60.2/75

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: 335.223+/-0.061 χ^2/NDF:2149237.2/19

Left: 345.104+/-0.044 χ^2/NDF: 3482155.8/40

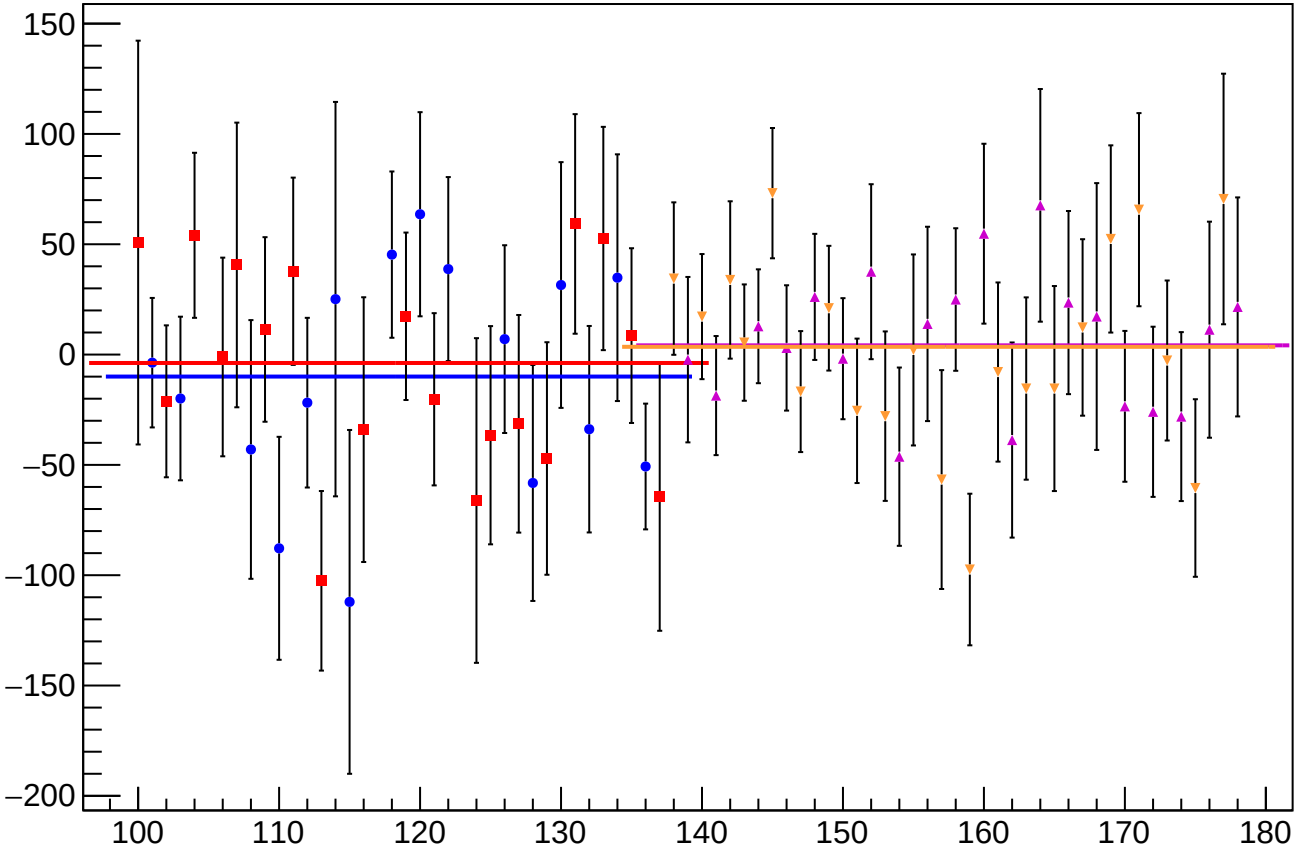
Right: 345.972+/-0.066 χ^2/NDF: 1277836.8/34

In: 339.469+/-0.051 χ^2/NDF:2864703.4/35

Out: 351.449+/-0.052 χ^2/NDF:1868725.5/39

All: 345.375+/-0.037 χ^2/NDF: 4760113.1/75

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: 4.179+/-8.042 χ^2/NDF:10.5/19

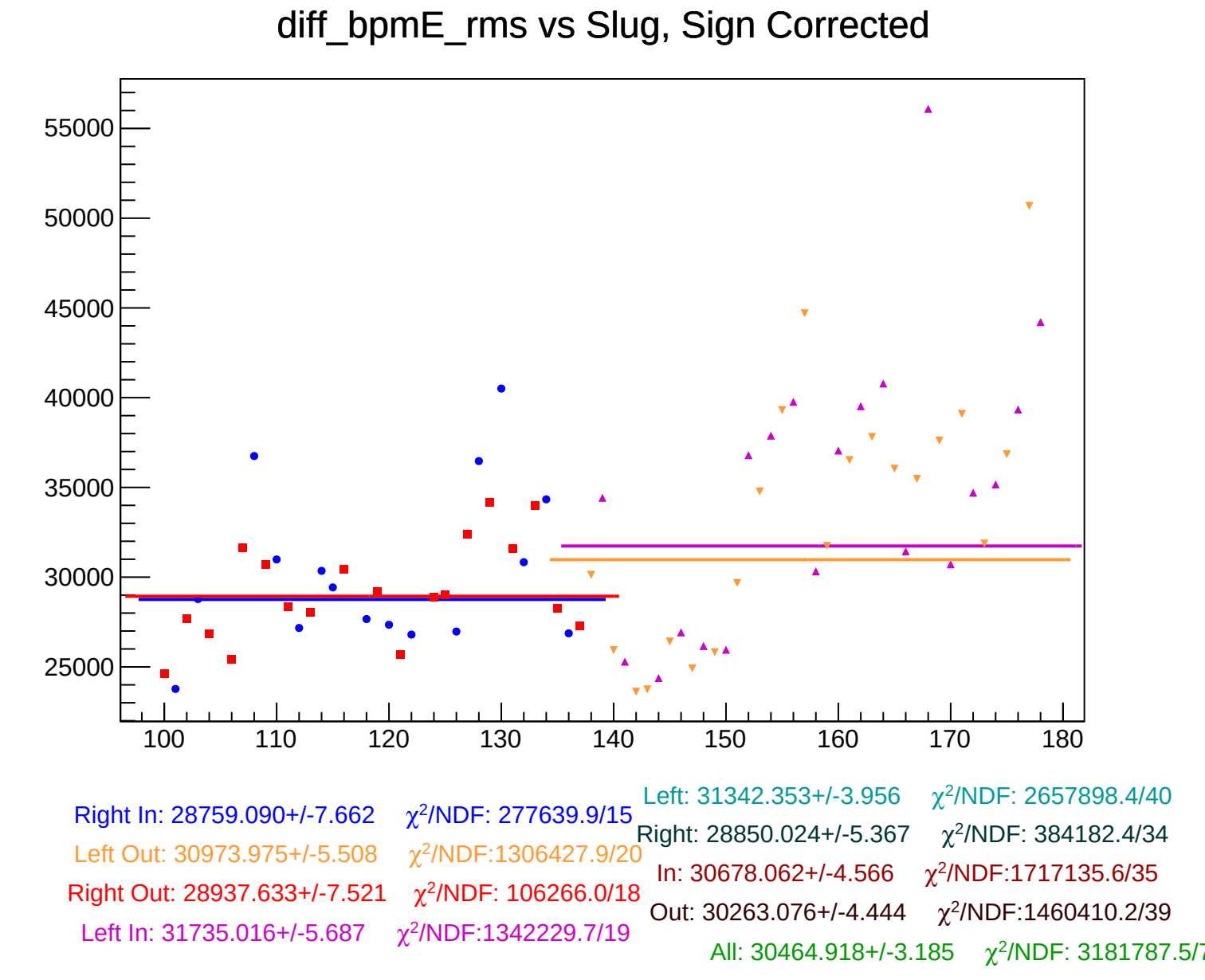
Left: 3.838+/-5.595 χ^2/NDF: 38.2/40

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

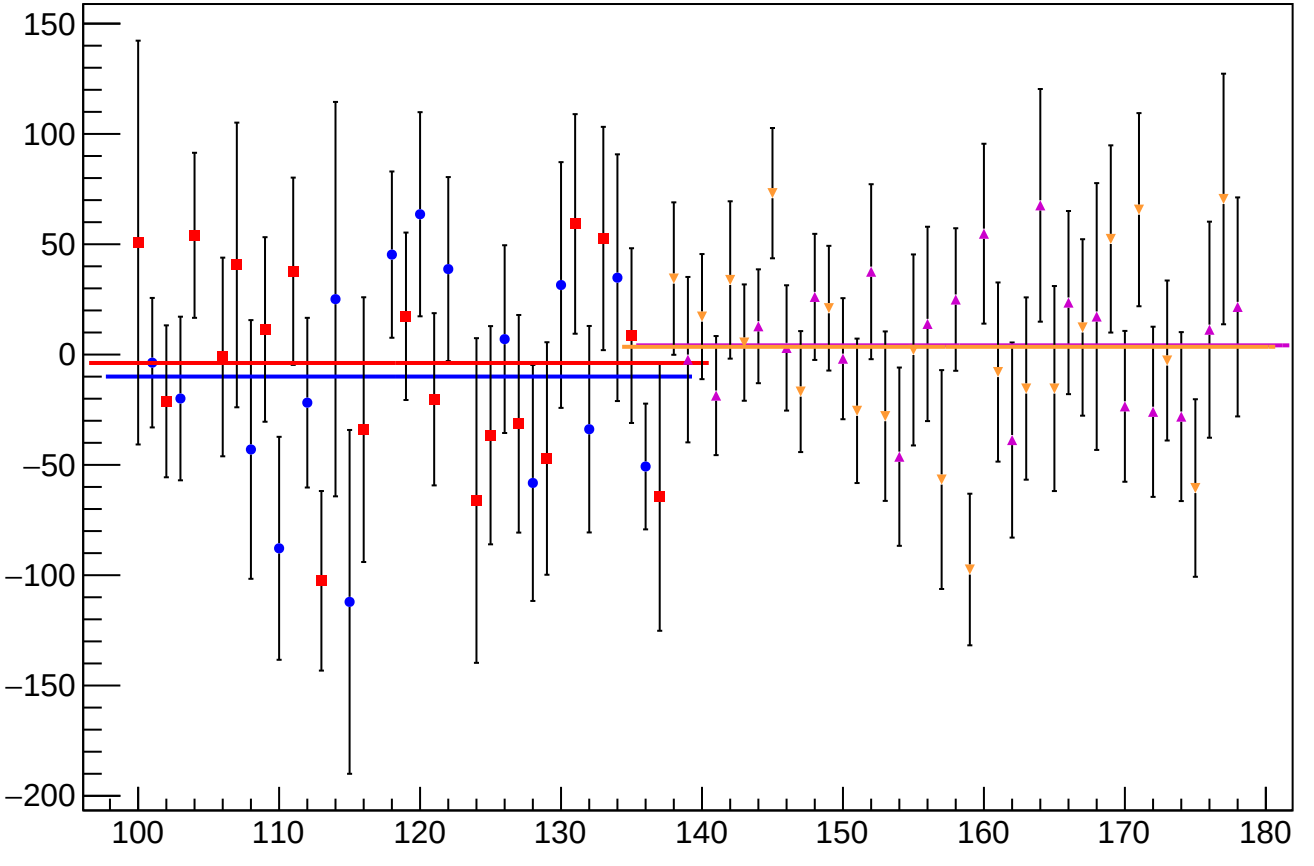
In: -0.846+/-6.458 χ^2/NDF:26.9/35

Out: 0.958+/-6.284 χ^2/NDF:45.2/39

All: 0.081+/-4.504 χ^2/NDF: 72.2/75


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: 31735.016+/-5.687 χ²/NDF:1342229.7/19
Left: 31342.353+/-3.956 χ²/NDF: 2657898.4/40
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 30678.062+/-4.566 χ²/NDF:1717135.6/35
Out: 30263.076+/-4.444 χ²/NDF:1460410.2/39
All: 30464.918+/-3.185 χ²/NDF: 3181787.5/7

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: 4.179+/-8.042 χ^2/NDF:10.5/19

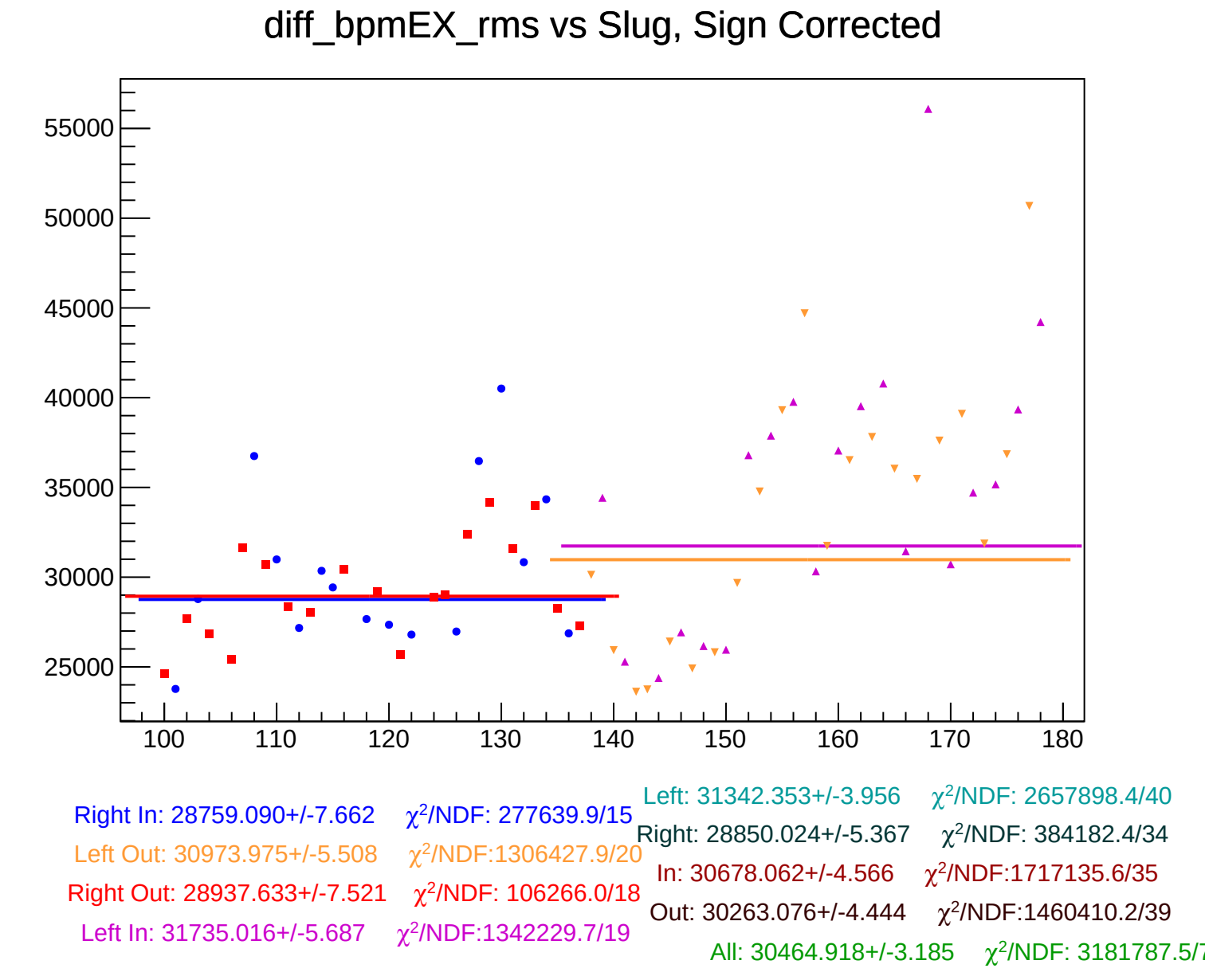
Left: 3.838+/-5.595 χ^2/NDF: 38.2/40

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

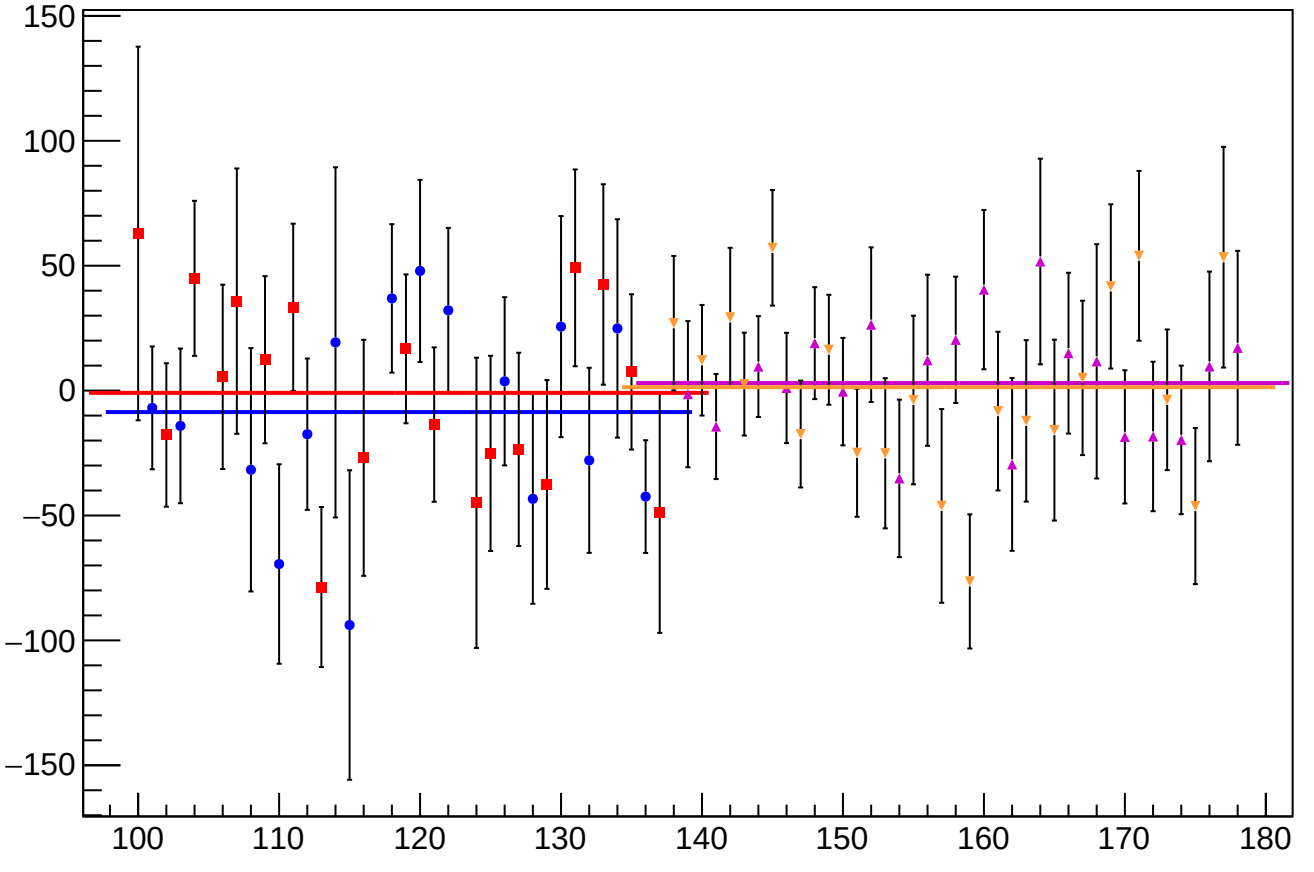
In: -0.846+/-6.458 χ^2/NDF:26.9/35

Out: 0.958+/-6.284 χ^2/NDF:45.2/39

All: 0.081+/-4.504 χ^2/NDF: 72.2/75


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: 31735.016+/-5.687 χ²/NDF:1342229.7/19
Left: 31342.353+/-3.956 χ²/NDF: 2657898.4/40
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 30678.062+/-4.566 χ²/NDF:1717135.6/35
Out: 30263.076+/-4.444 χ²/NDF:1460410.2/39
All: 30464.918+/-3.185 χ²/NDF: 3181787.5/7

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: 3.045+/-6.275 χ^2/NDF:9.7/19

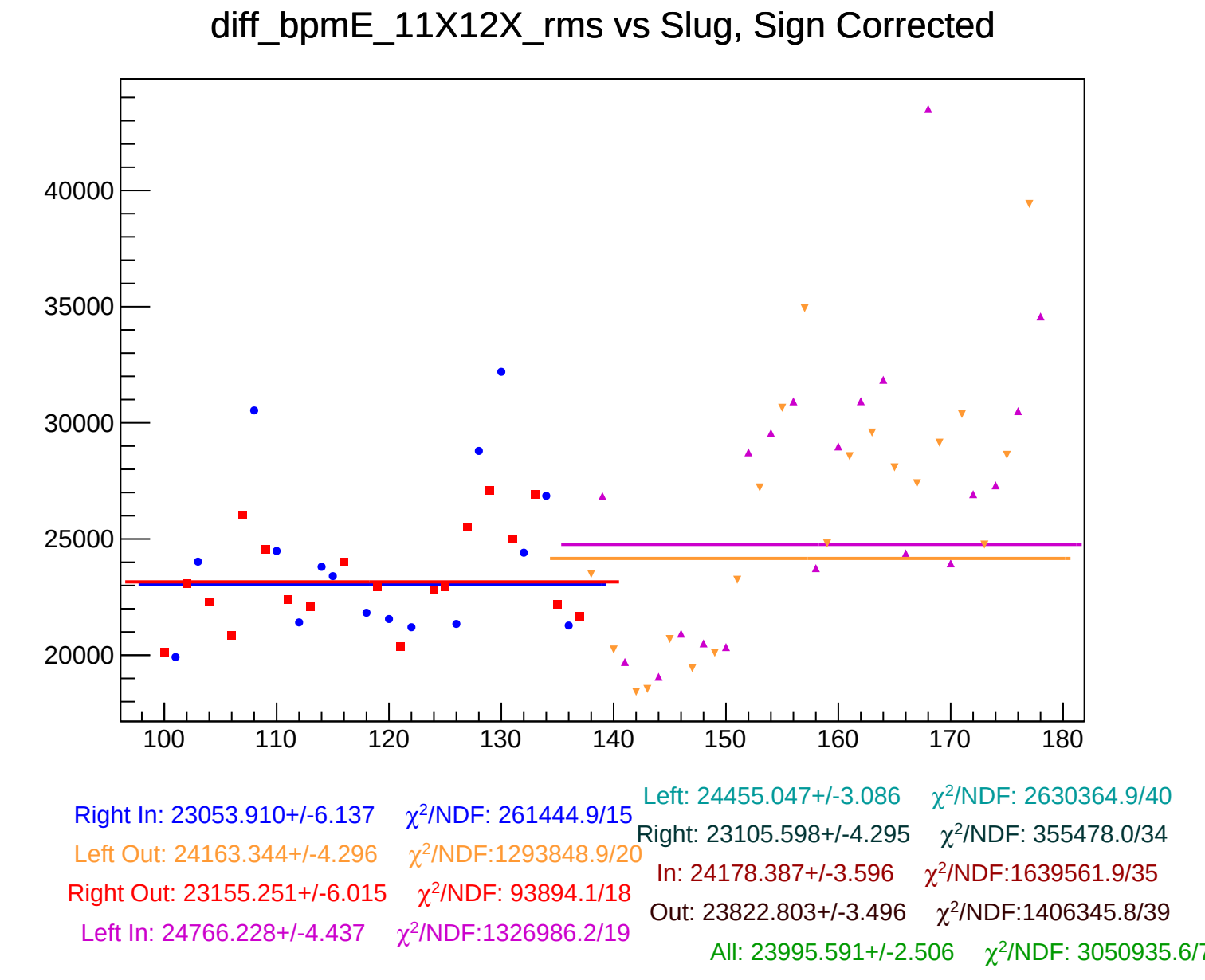
Left: 2.181+/-4.365 χ^2/NDF: 38.8/40

Right: -4.674+/-6.075 χ^2/NDF: 33.5/34

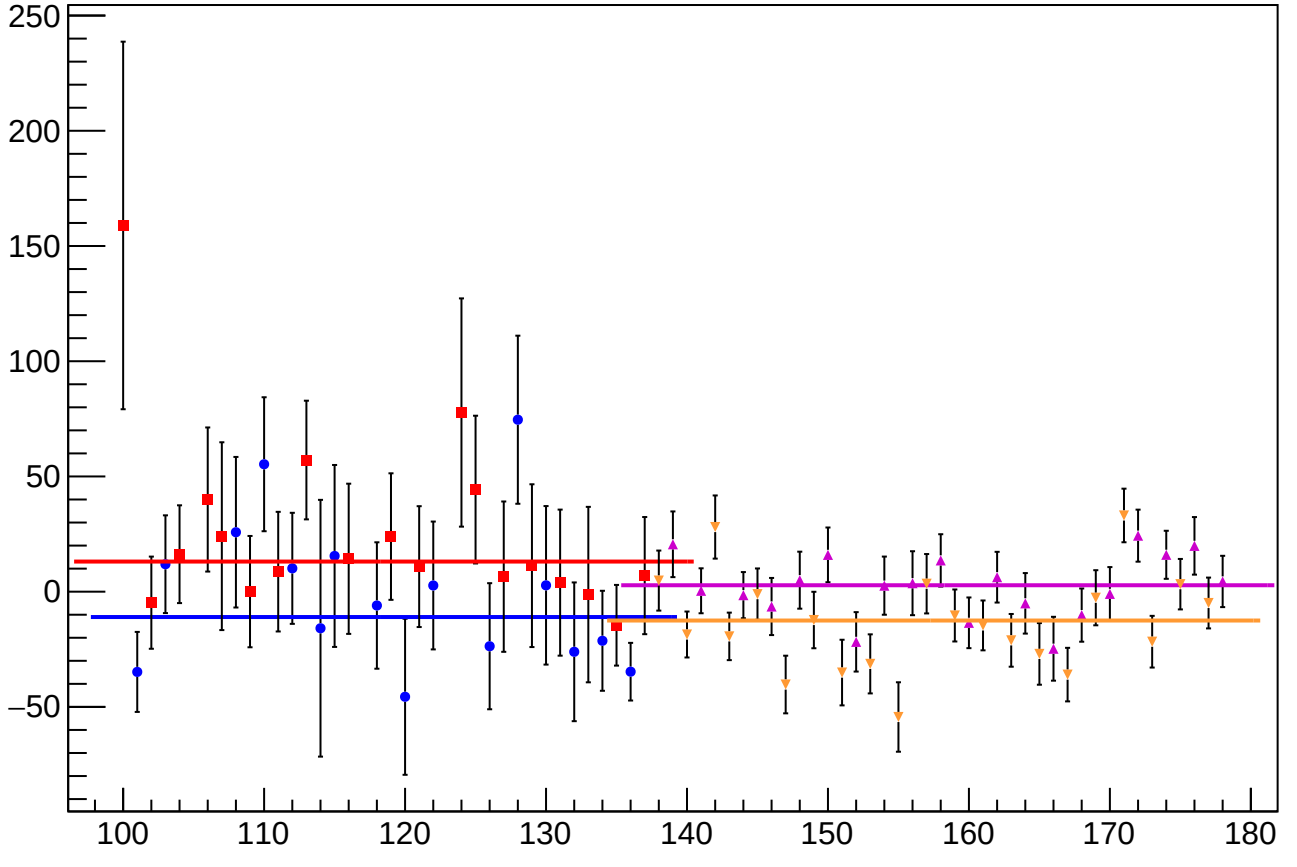
In: -0.953+/-5.085 χ^2/NDF:26.4/35

Out: 0.602+/-4.944 χ^2/NDF:46.7/39

All: -0.153+/-3.545 χ^2/NDF: 73.1/75


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: 24766.228+/-4.437 χ²/NDF:1326986.2/19
Left: 24455.047+/-3.086 χ²/NDF: 2630364.9/40
Right: 23105.598+/-4.295 χ²/NDF: 355478.0/34
In: 24178.387+/-3.596 χ²/NDF:1639561.9/35
Out: 23822.803+/-3.496 χ²/NDF:1406345.8/39
All: 23995.591+/-2.506 χ²/NDF: 3050935.6/7

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: 2.790+/-2.628 χ^2/NDF:23.3/19

Left: -4.979+/-1.845 χ^2/NDF: 96.9/40

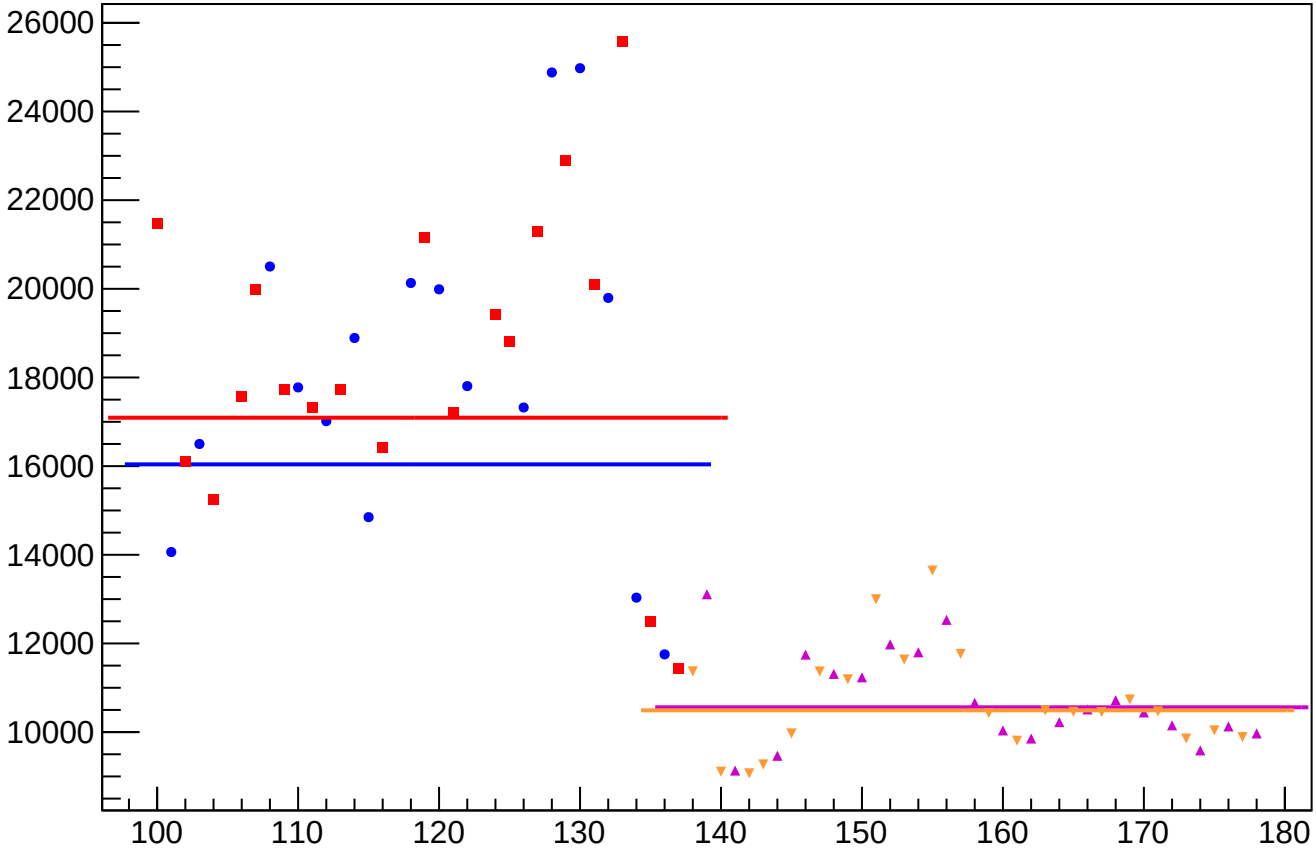
Right: 0.599+/-4.430 χ^2/NDF: 43.3/34

In: 0.663+/-2.417 χ^2/NDF:49.5/35

Out: -8.901+/-2.399 χ^2/NDF:84.1/39

All: -4.155+/-1.703 χ^2/NDF: 141.5/75

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: 10559.152+/-1.859 χ^2/NDF:289793.3/19

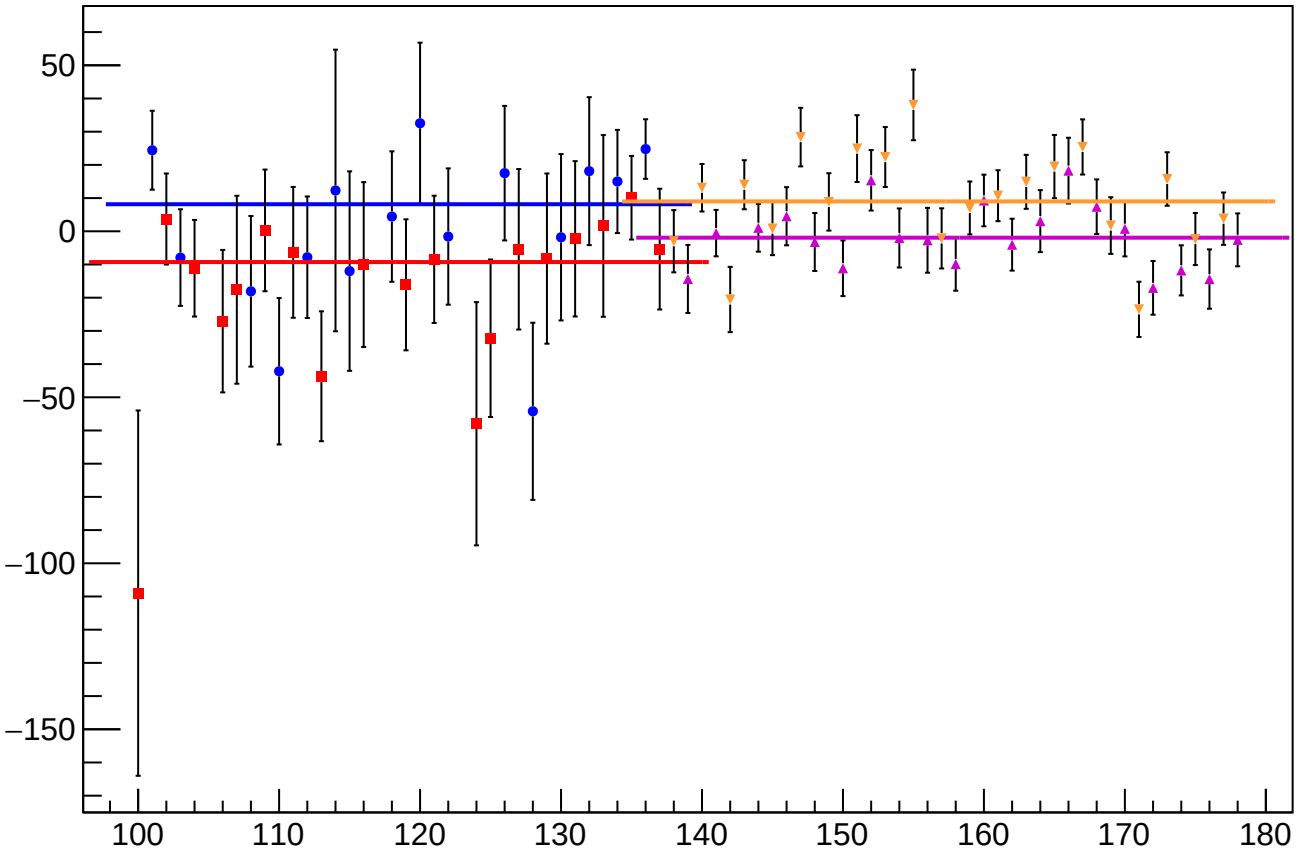
Left: 10524.779+/-1.304 χ^2/NDF: 618170.3/40

Right: 16547.306+/-3.133 χ^2/NDF: 1286331.2/34

In: 11404.561+/-1.709 χ^2/NDF:2353803.0/35

Out: 11424.296+/-1.696 χ^2/NDF:2700602.2/39

All: 11414.503+/-1.204 χ^2/NDF: 5054472.3/7



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: -1.928+/-1.872 χ^2/NDF:23.2/19

Left: 3.615+/-1.314 χ^2/NDF: 96.4/40

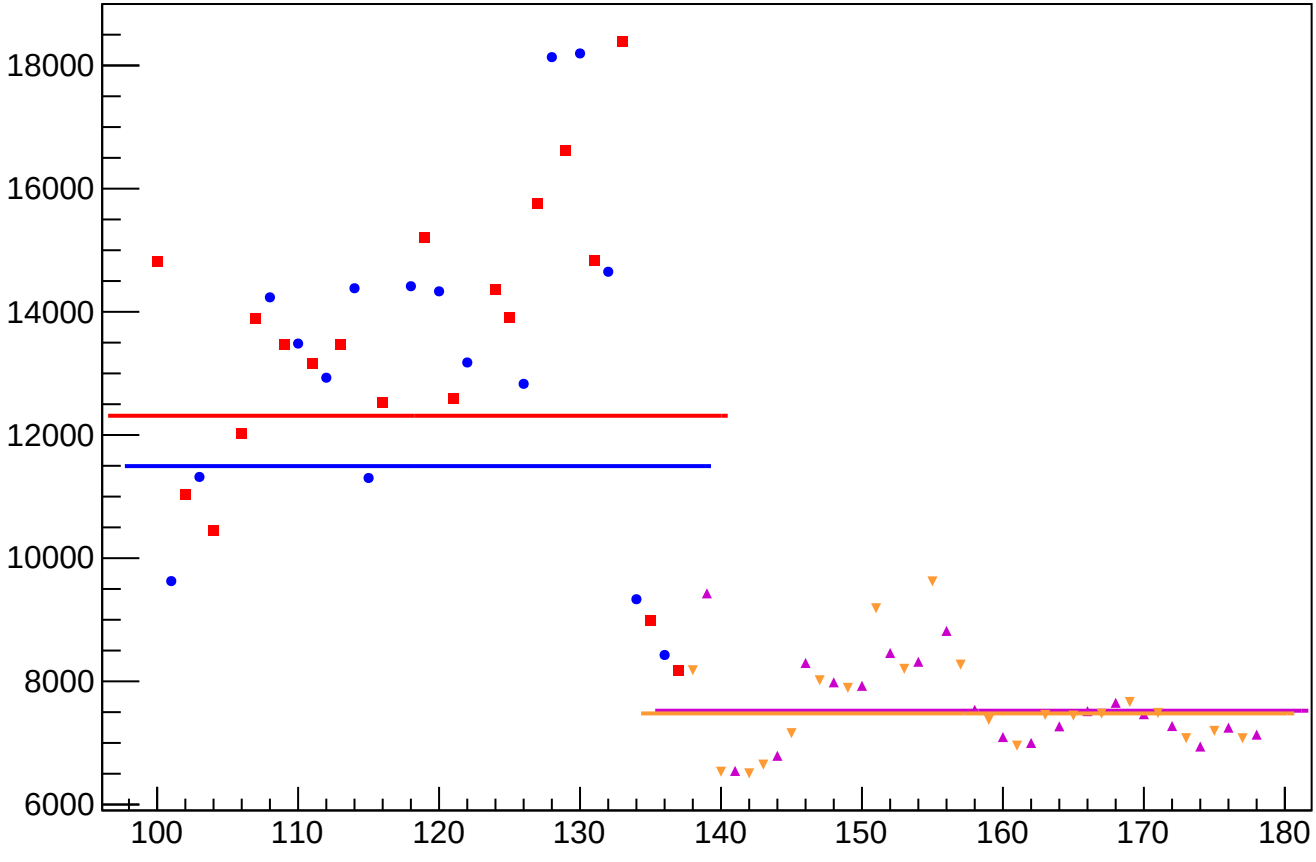
Right: -0.204+/-3.191 χ^2/NDF: 43.1/34

In: -0.397+/-1.724 χ^2/NDF:49.3/35

Out: 6.473+/-1.713 χ^2/NDF:83.4/39

All: 3.061+/-1.215 χ^2/NDF: 140.7/75

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: 7523.227+/-1.324 χ^2/NDF:264764.1/19

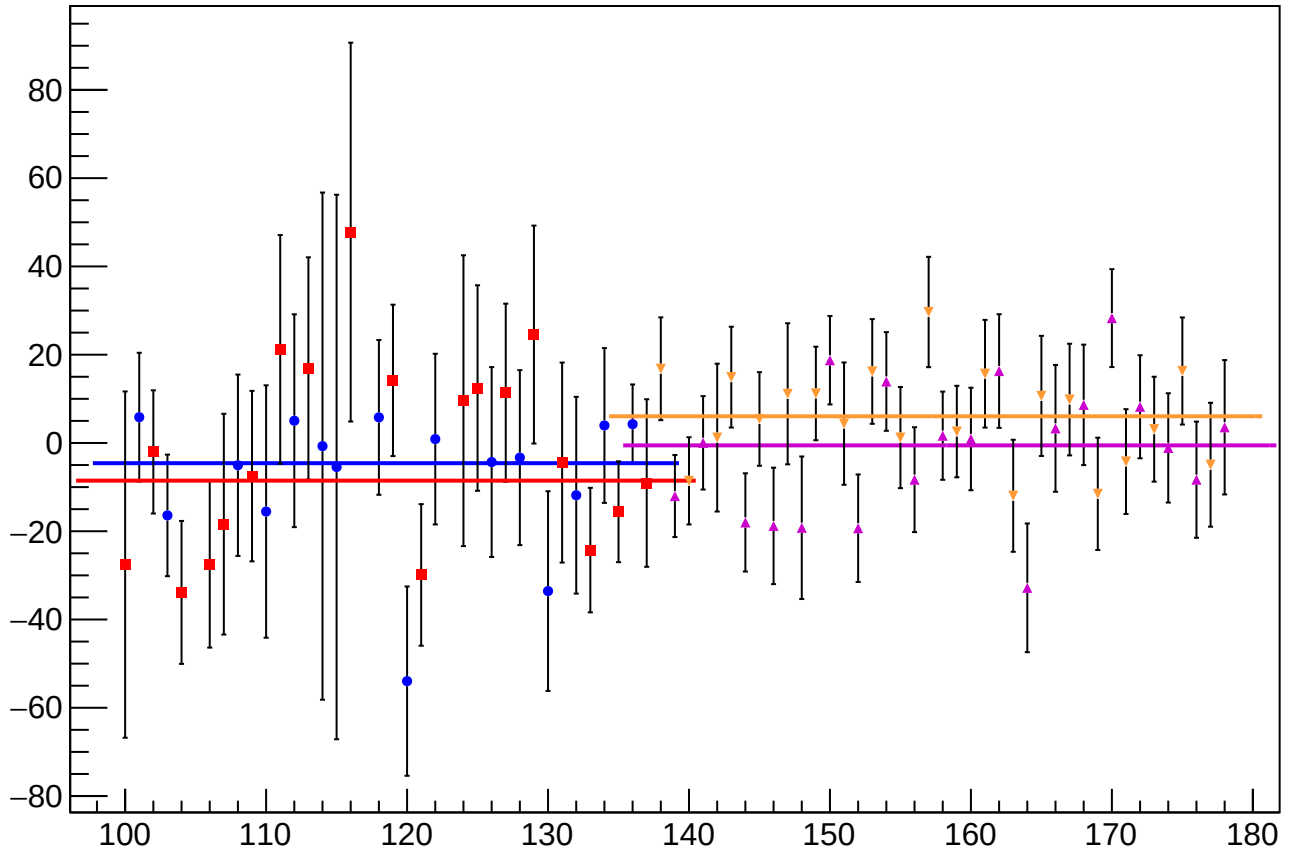
Left: 7500.879+/-0.929 χ^2/NDF: 562206.1/40

Right: 11887.075+/-2.256 χ^2/NDF: 1421522.1/34

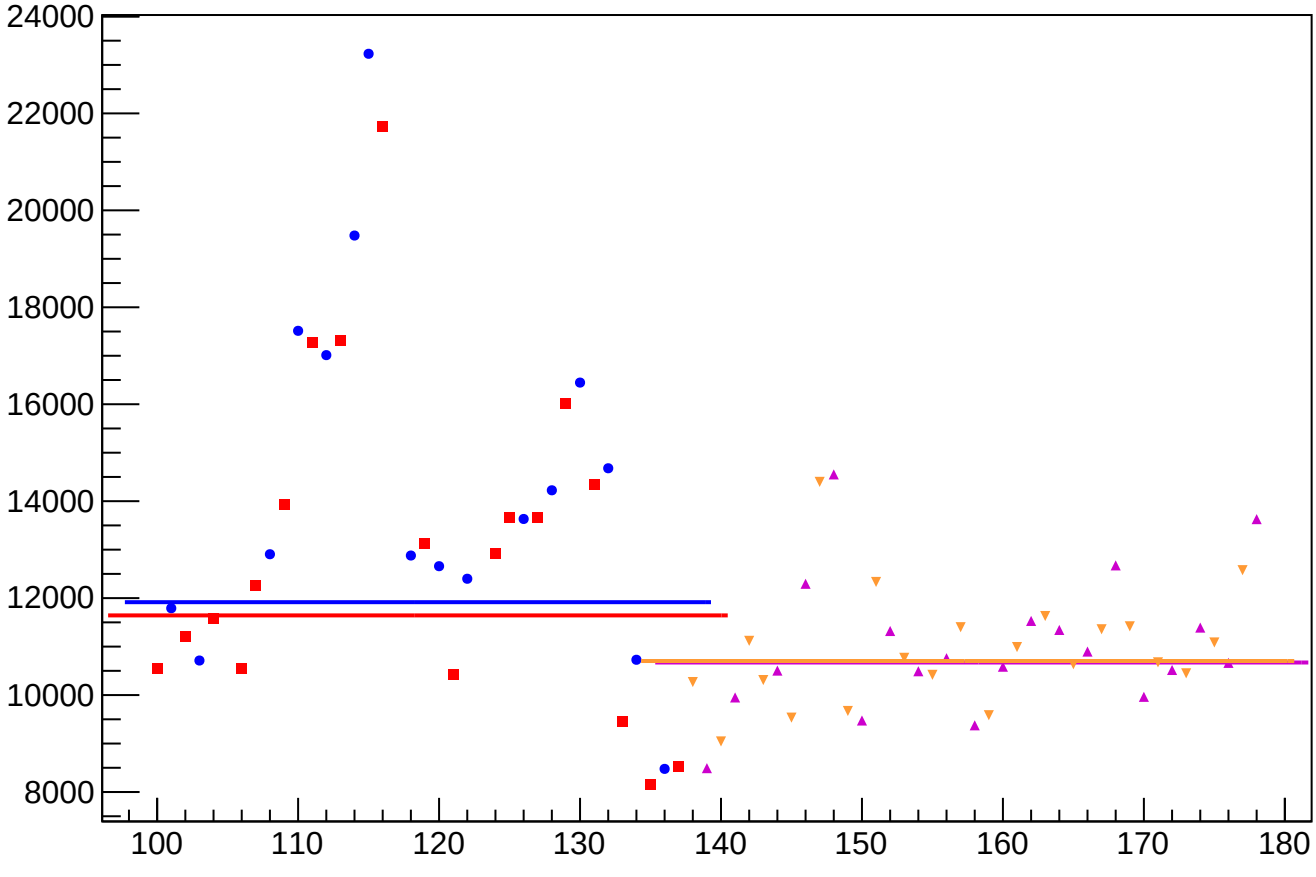
In: 8126.681+/-1.219 χ^2/NDF:2422545.5/35

Out: 8146.999+/-1.211 χ^2/NDF:2792697.8/39

All: 8136.907+/-0.859 χ^2/NDF: 5215383.1/75


diff_bpm4aesumY_mean vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
180
Right In: -4.578+/-4.554 χ²/NDF: 10.2/15
Left Out: 6.047+/-2.644 χ²/NDF:15.6/20
Right Out: -8.537+/-4.392 χ²/NDF: 17.2/18
Left In: -0.546+/-2.669 χ²/NDF:30.4/19
Left: 2.781+/-1.878 χ²/NDF: 49.0/40
Right: -6.629+/-3.161 χ²/NDF: 27.8/34
In: -1.576+/-2.303 χ²/NDF:41.2/35
Out: 2.167+/-2.265 χ²/NDF:40.8/39
All: 0.326+/-1.615 χ²/NDF: 83.4/75

diff_bpm4aesumY_rms vs Slug, Sign Corrected



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: 10671.875+/-1.887 χ^2/NDF:481471.5/19

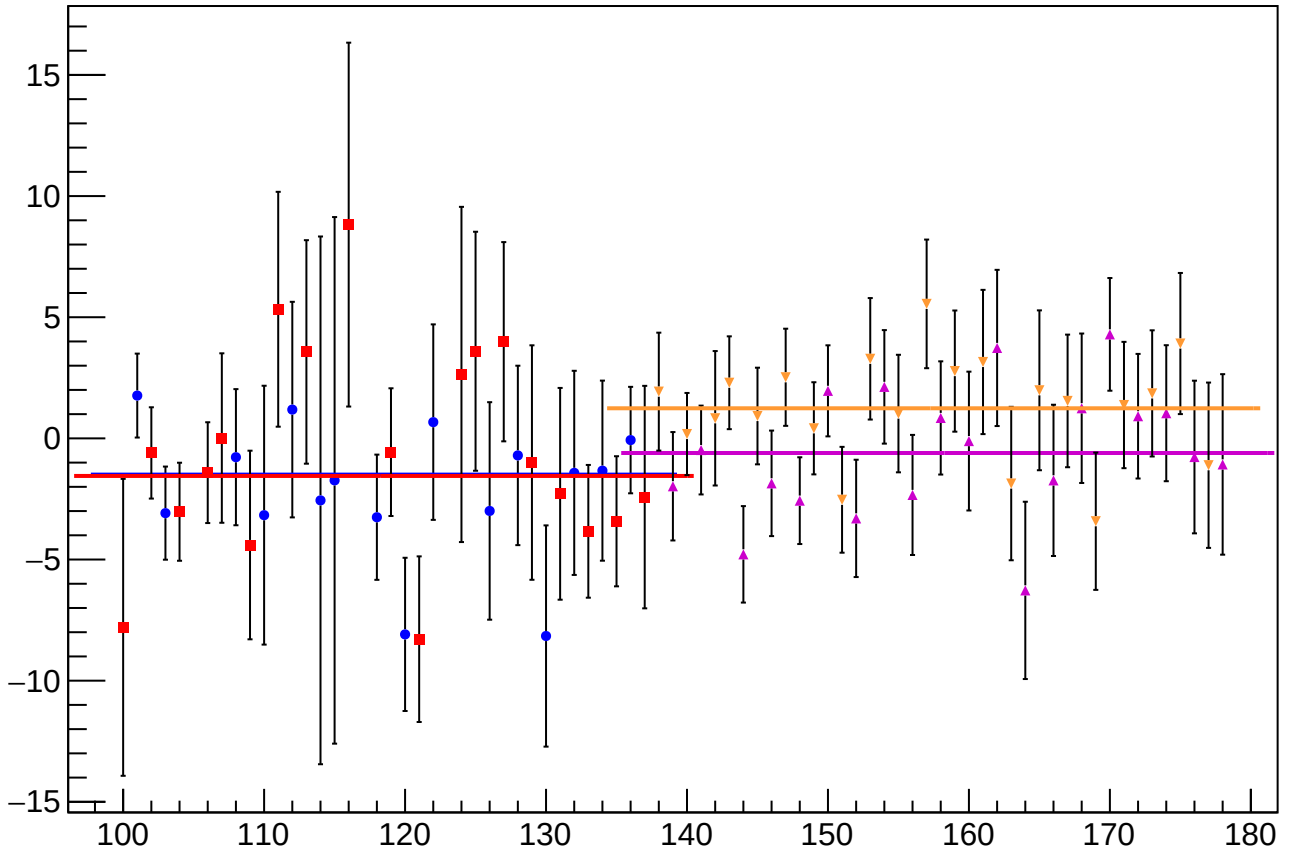
Left: 10687.381+/-1.328 χ^2/NDF: 815129.8/40

Right: 11775.058+/-2.235 χ^2/NDF: 1543851.0/34

In: 10990.017+/-1.628 χ^2/NDF:1342417.6/35

Out: 10952.951+/-1.602 χ^2/NDF:1191261.8/39

All: 10971.183+/-1.142 χ^2/NDF: 2533942.7/7



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: -0.603+/-0.543 χ^2/NDF:21.5/19

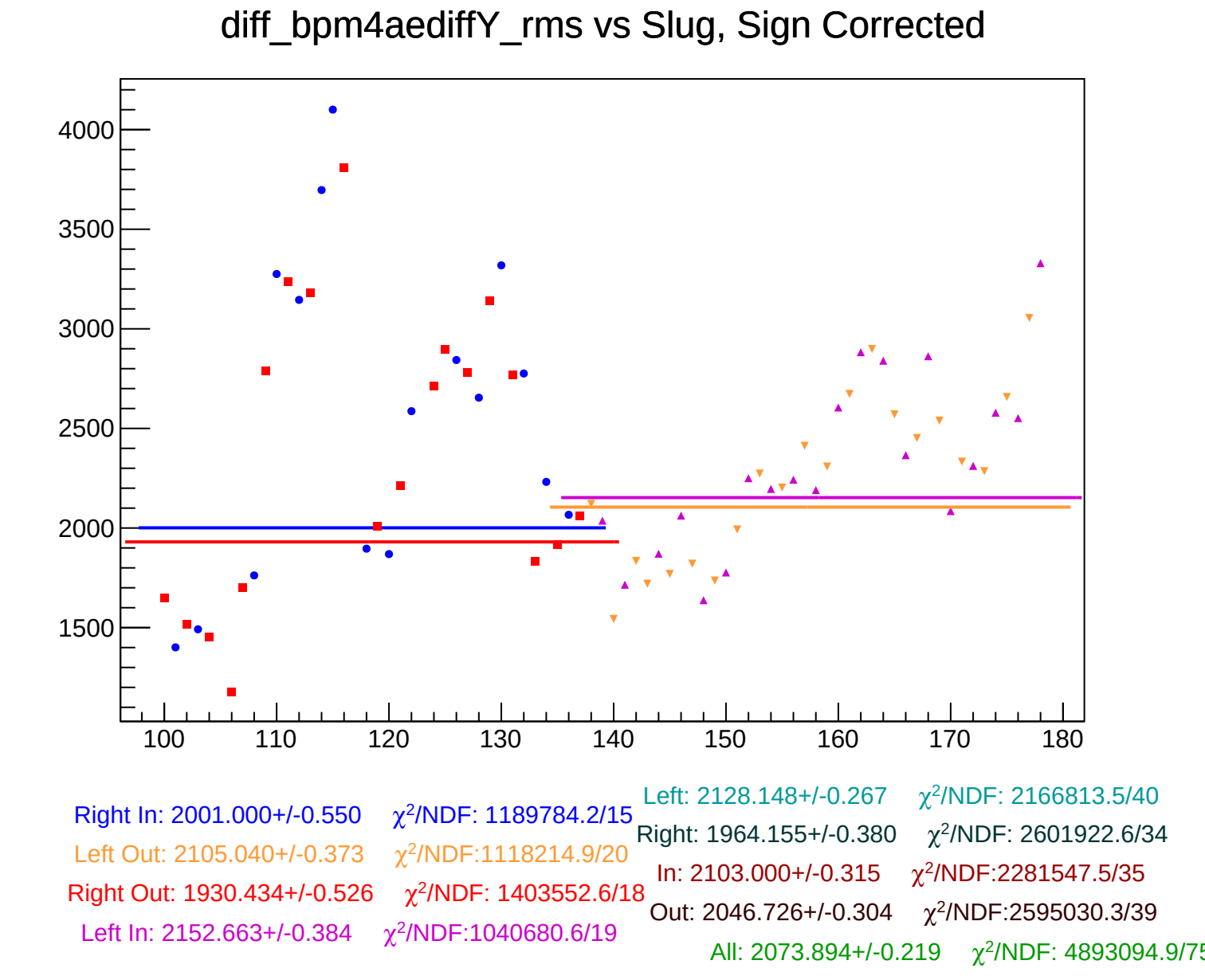
Left: 0.346+/-0.378 χ^2/NDF: 41.1/40

Right: -1.525+/-0.538 χ^2/NDF: 28.9/34

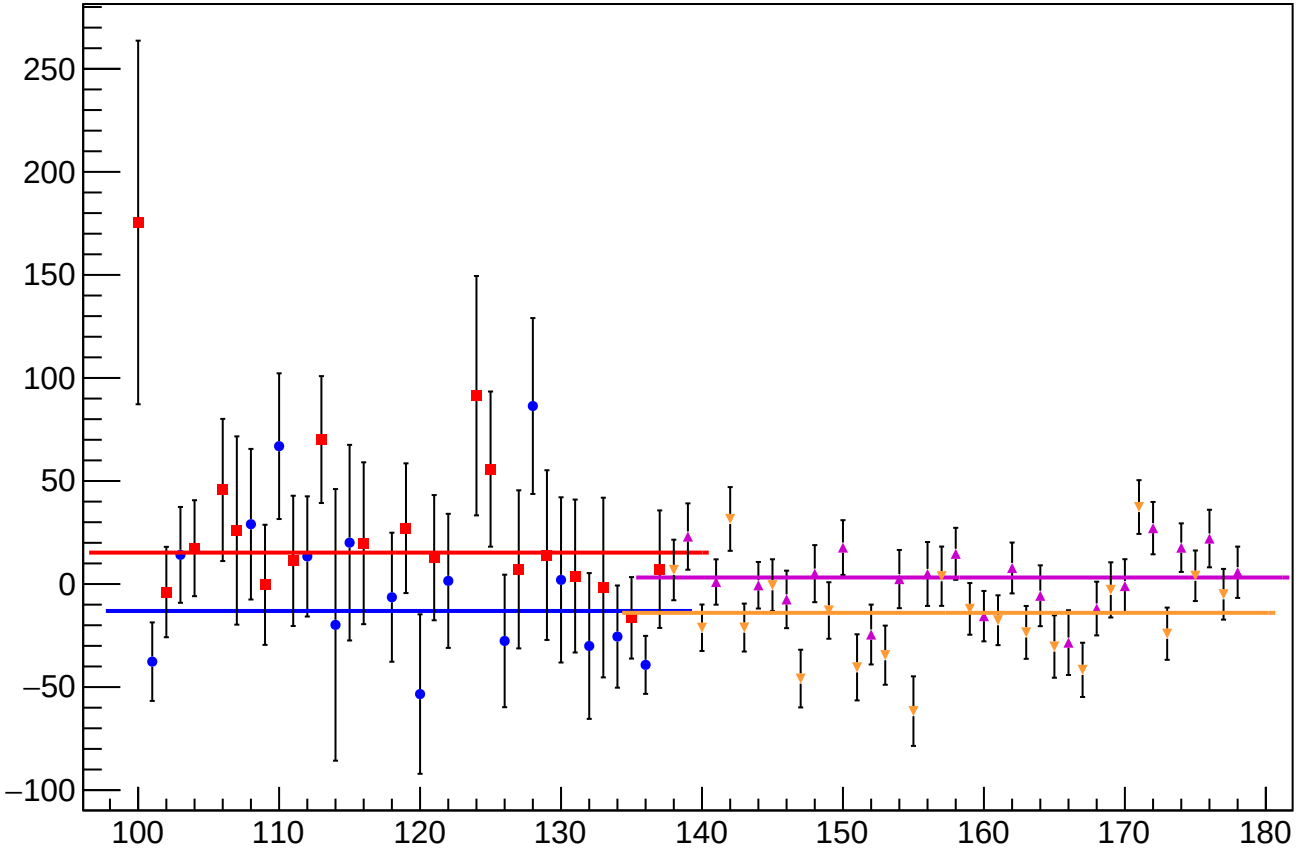
In: -0.896+/-0.445 χ^2/NDF:35.0/35

Out: 0.309+/-0.430 χ^2/NDF:39.3/39

All: -0.272+/-0.309 χ^2/NDF: 78.0/75


diff_bpm4aediffY_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
100
110
120
130
140
150
160
170
180
Right In: 2001.000+/-0.550 χ²/NDF: 1189784.2/15
Left Out: 2105.040+/-0.373 χ²/NDF:1118214.9/20
Right Out: 1930.434+/-0.526 χ²/NDF: 1403552.6/18
Left In: 2152.663+/-0.384 χ²/NDF:1040680.6/19
Left: 2128.148+/-0.267 χ²/NDF: 2166813.5/40
Right: 1964.155+/-0.380 χ²/NDF: 2601922.6/34
In: 2103.000+/-0.315 χ²/NDF:2281547.5/35
Out: 2046.726+/-0.304 χ²/NDF:2595030.3/39
All: 2073.894+/-0.219 χ²/NDF: 4893094.9/75

diff_bpmtargetsumX_mean vs Slug, Sign Corrected



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -13.975+/-2.908 χ^2/NDF:57.8/20

Right Out: 15.253+/-7.321 χ^2/NDF: 14.3/18

Left In: 3.174+/-2.951 χ^2/NDF:23.2/19

Left: -5.527+/-2.071 χ^2/NDF: 98.2/40

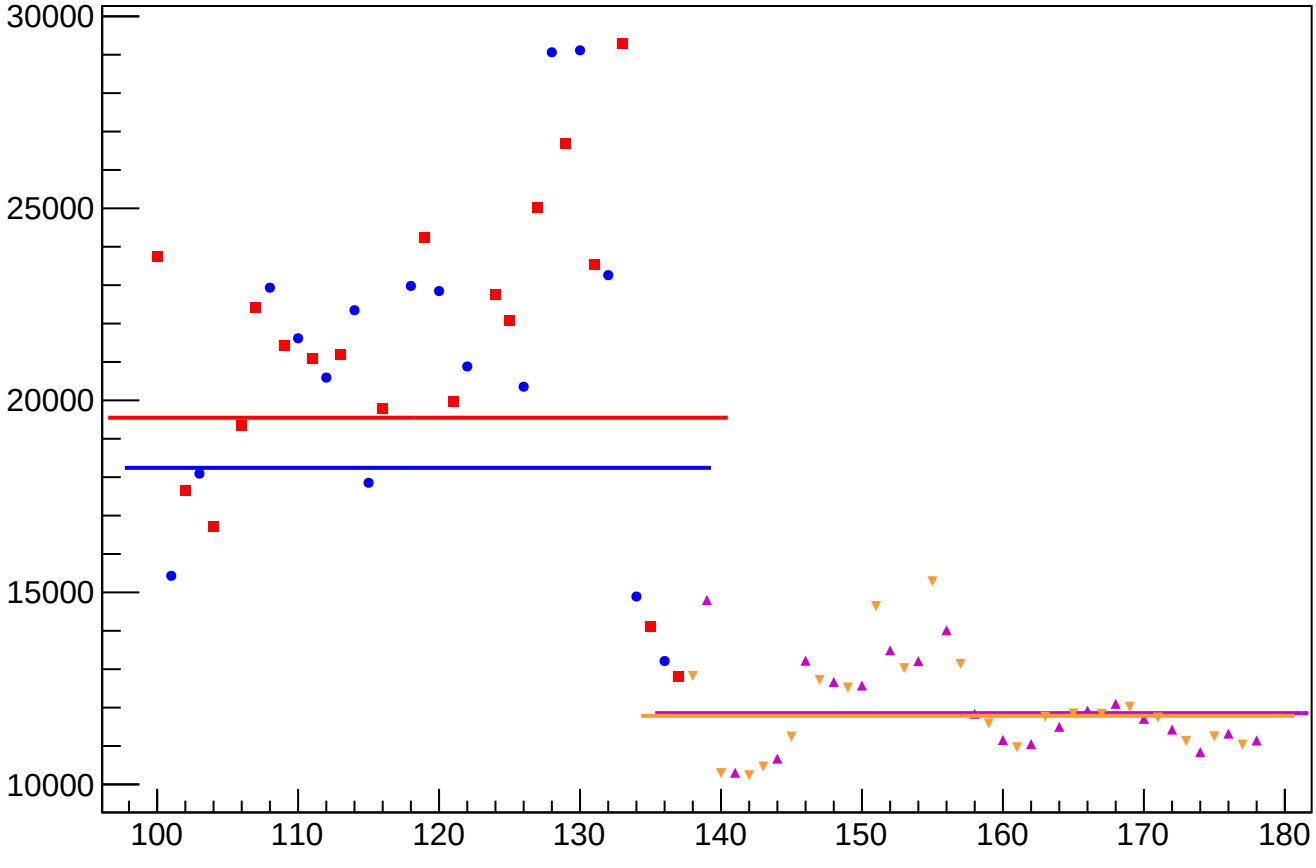
Right: 0.513+/-5.069 χ^2/NDF: 44.0/34

In: 0.738+/-2.721 χ^2/NDF:49.6/35

Out: -9.992+/-2.703 χ^2/NDF:86.0/39

All: -4.663+/-1.917 χ^2/NDF: 143.4/75

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: 11855.985+/-2.087 χ^2/NDF:286749.3/19

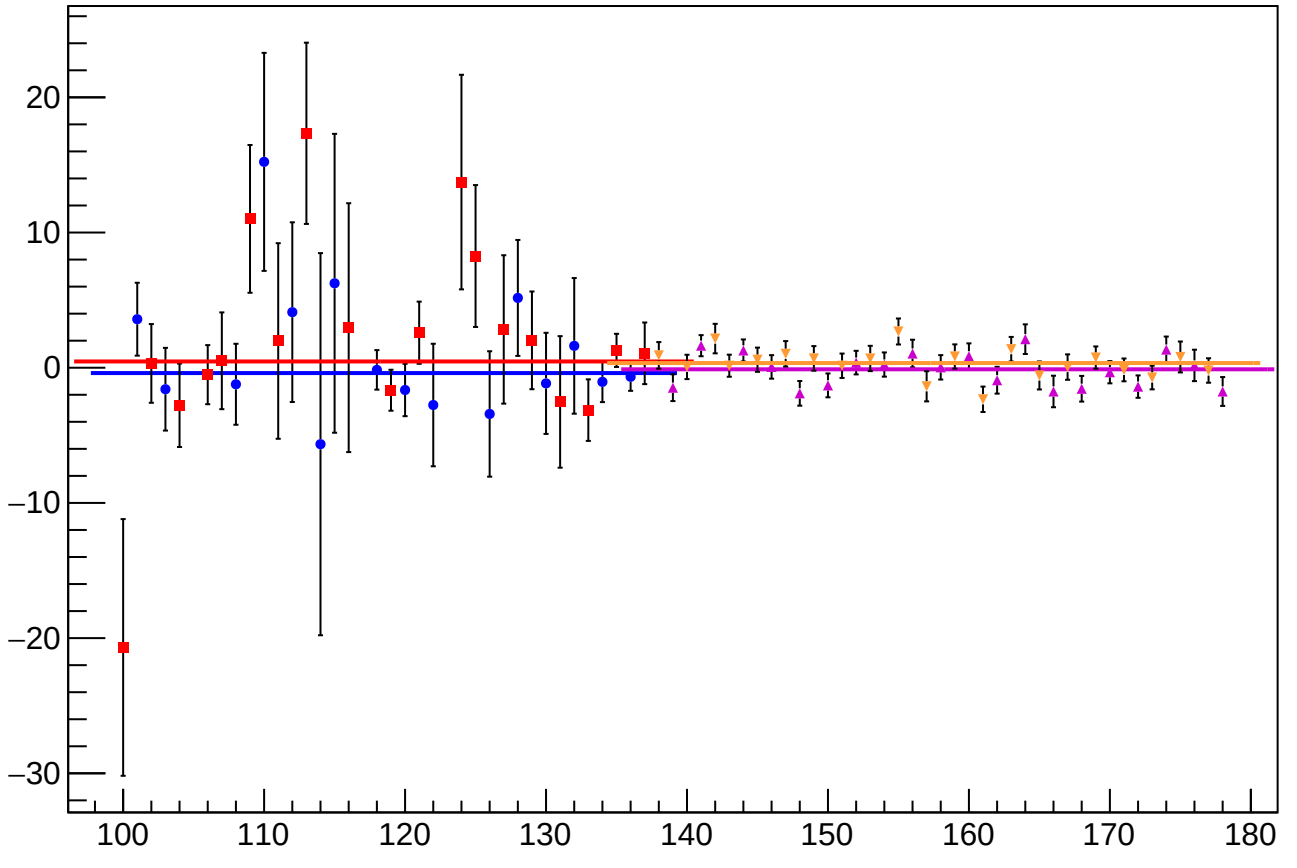
Left: 11820.441+/-1.465 χ^2/NDF: 605621.3/40

Right: 18869.124+/-3.585 χ^2/NDF: 1474629.7/34

In: 12813.840+/-1.924 χ^2/NDF:2511484.5/35

Out: 12843.840+/-1.911 χ^2/NDF:2882247.3/39

All: 12828.942+/-1.356 χ^2/NDF: 5393854.2/7



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: -0.117+/-0.208 χ^2/NDF:34.5/19

Left: 0.121+/-0.145 χ^2/NDF: 62.7/40

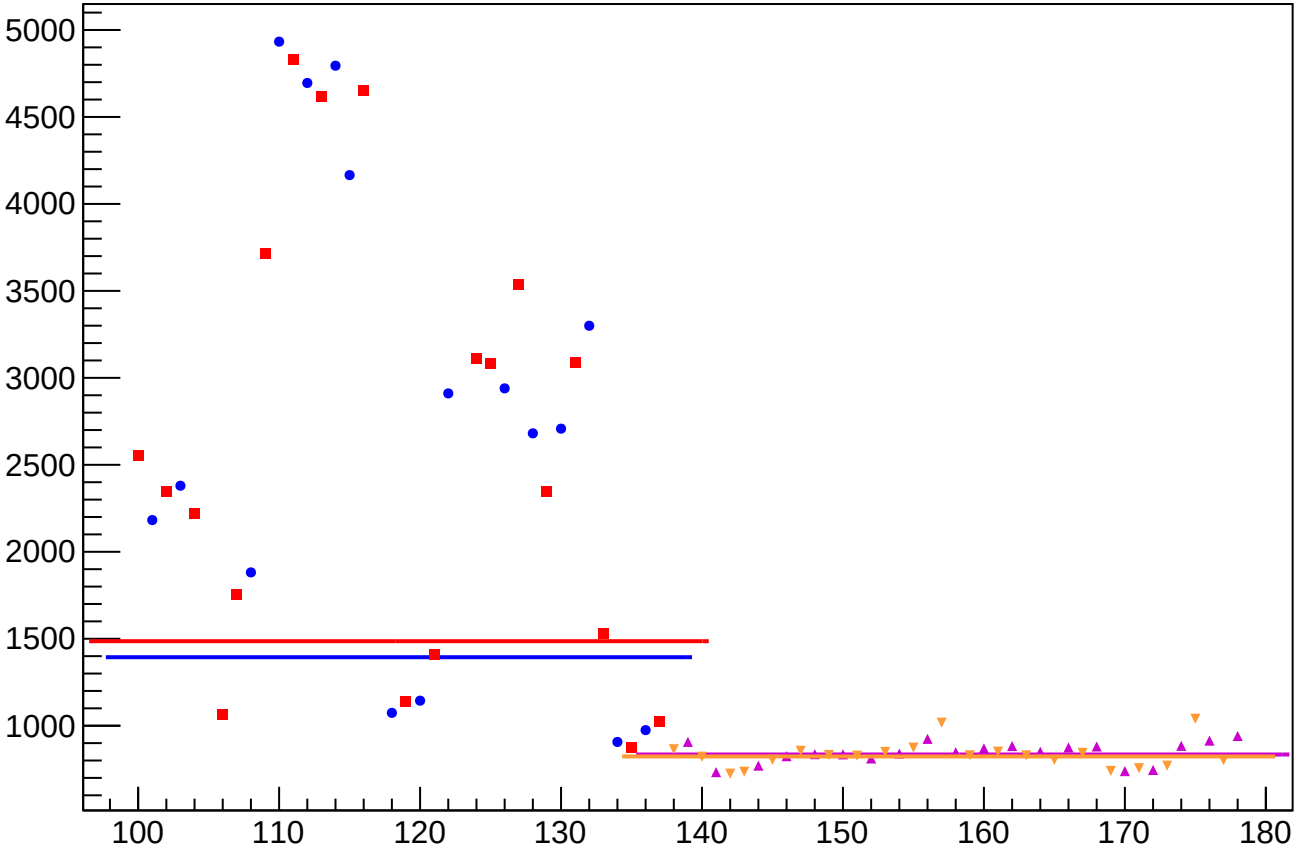
Right: 0.011+/-0.436 χ^2/NDF: 39.4/34

In: -0.146+/-0.196 χ^2/NDF:45.1/35

Out: 0.358+/-0.193 χ^2/NDF:53.7/39

All: 0.110+/-0.138 χ^2/NDF: 102.2/75

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: 834.574+/-0.147 χ^2/NDF:174122.7/19

Left: 828.832+/-0.103 χ^2/NDF: 408701.9/40

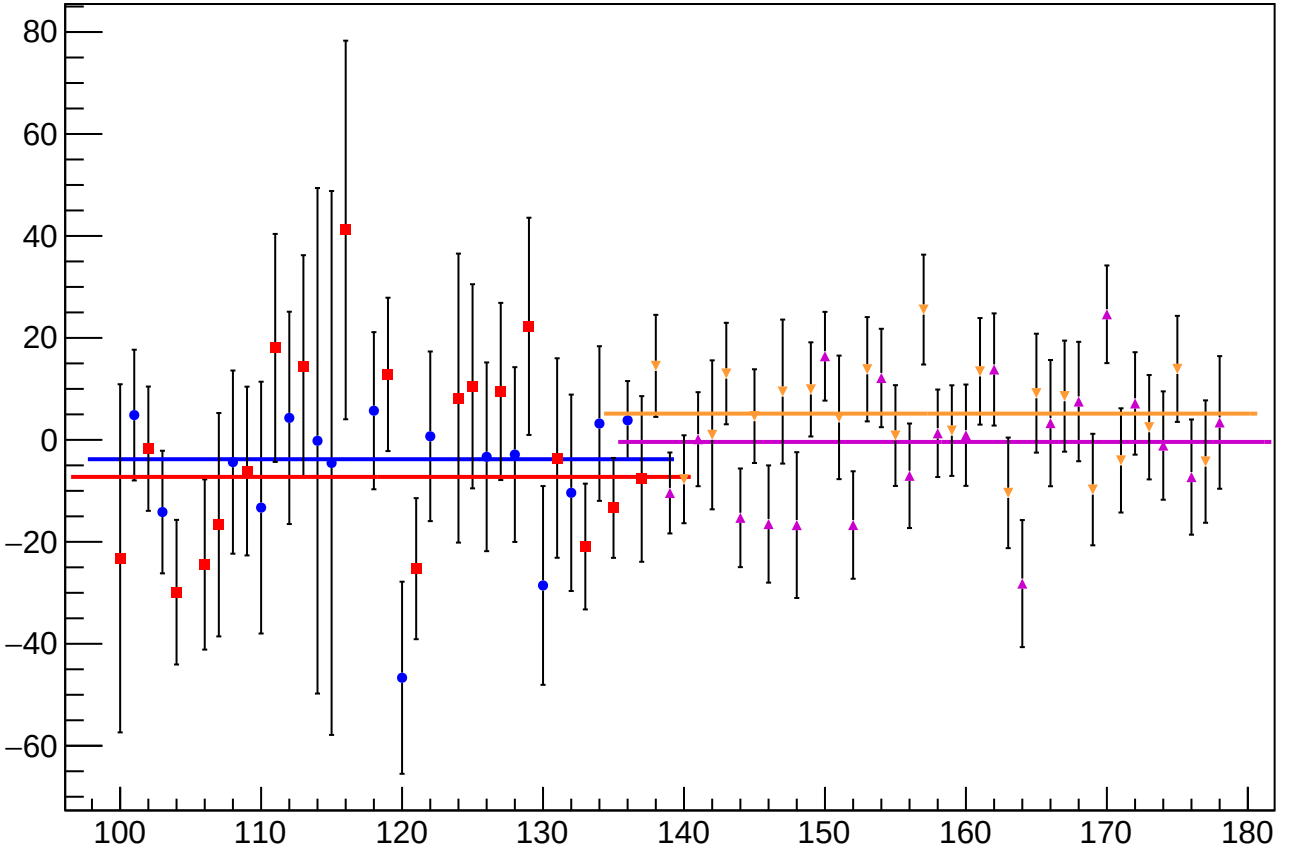
Right: 1437.438+/-0.308 χ^2/NDF: 6802082.3/34

In: 894.488+/-0.139 χ^2/NDF:5106369.3/35

Out: 884.987+/-0.137 χ^2/NDF:5612607.3/39

All: 889.662+/-0.097 χ^2/NDF: 10721353.6/75

diff_bpmtargetsumY_mean vs Slug, Sign Corrected



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: -0.403+/-2.301 χ^2/NDF:30.6/19

Left: 2.394+/-1.621 χ^2/NDF: 49.3/40

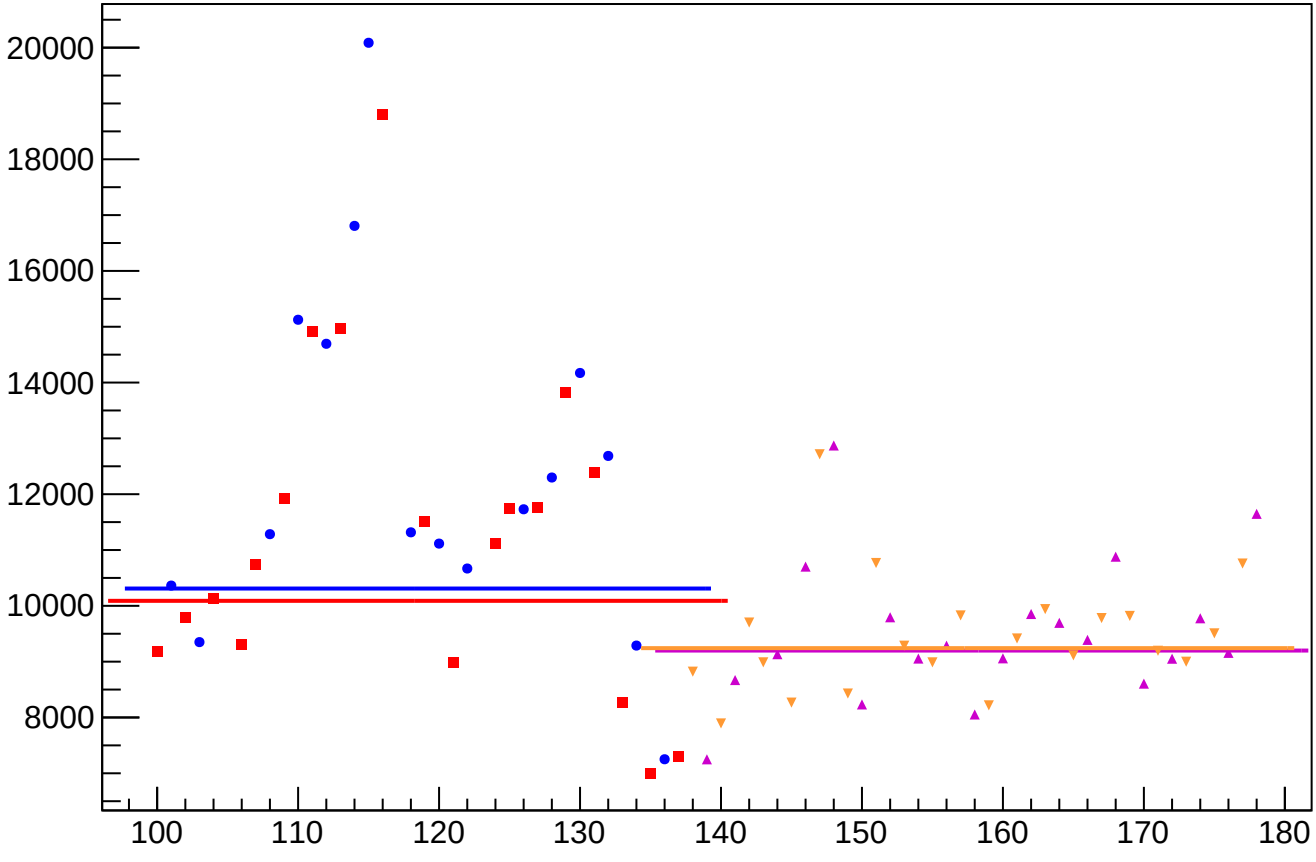
Right: -5.590+/-2.739 χ^2/NDF: 27.7/34

In: -1.265+/-1.988 χ^2/NDF:41.2/35

Out: 1.864+/-1.958 χ^2/NDF:40.8/39

All: 0.323+/-1.395 χ^2/NDF: 83.3/75

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: 9198.852+/-1.627 χ^2/NDF:497804.3/19

Left: 9220.608+/-1.146 χ^2/NDF: 832424.5/40

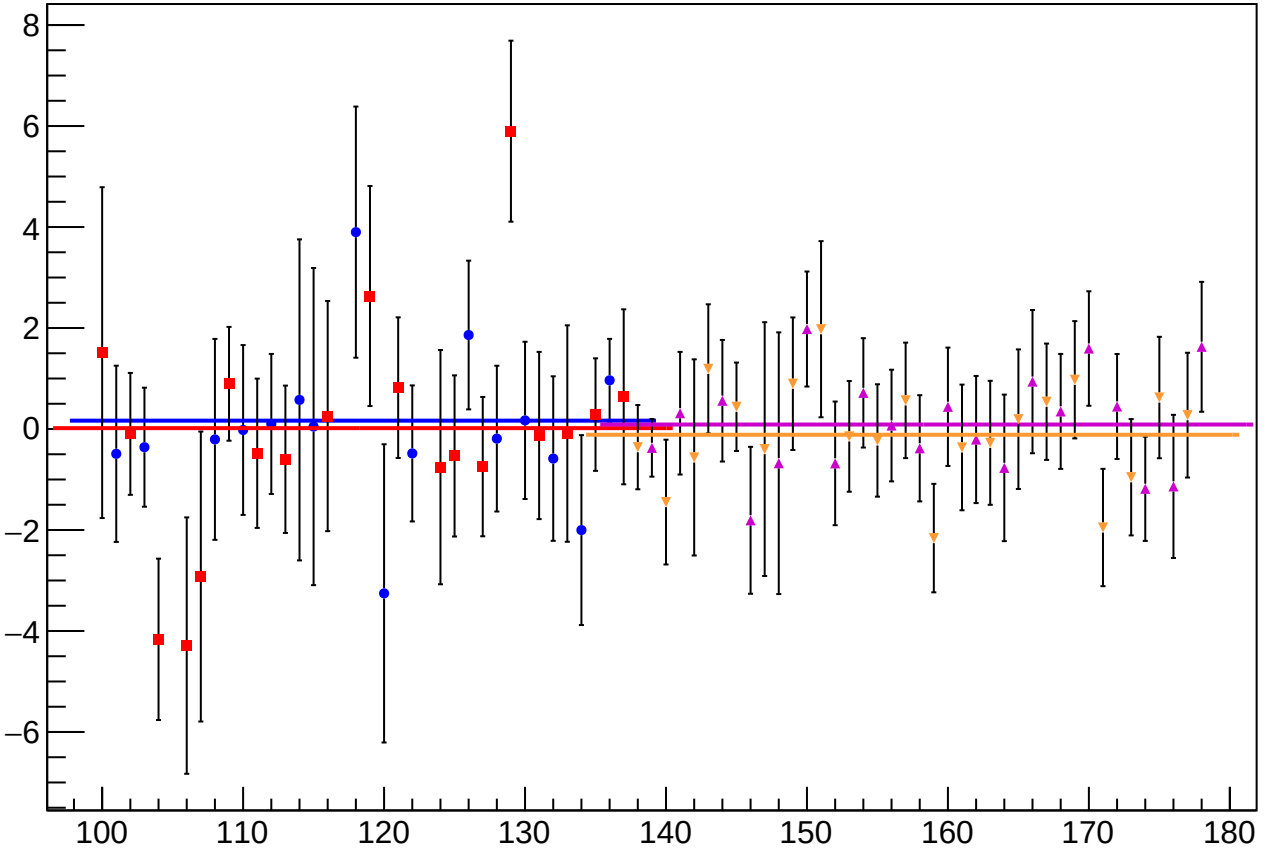
Right: 10195.906+/-1.937 χ^2/NDF: 1566539.8/34

In: 9481.158+/-1.405 χ^2/NDF:1386782.3/35

Out: 9466.314+/-1.385 χ^2/NDF:1199952.2/39

All: 9473.626+/-0.986 χ^2/NDF: 2586791.0/75

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: 0.089+/-0.251 χ^2/NDF:12.8/19

Left: -0.009+/-0.180 χ^2/NDF: 26.7/40

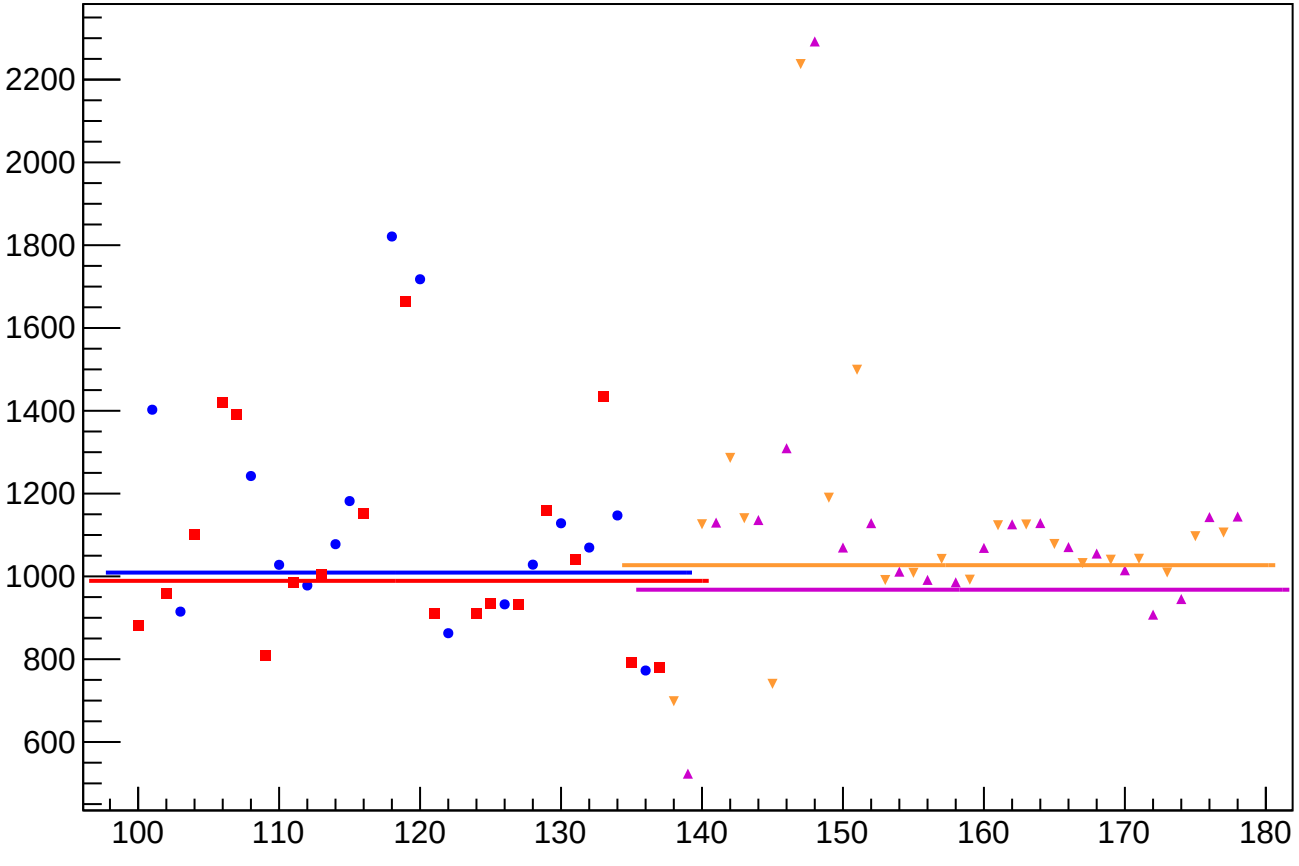
Right: 0.089+/-0.268 χ^2/NDF: 33.4/34

In: 0.111+/-0.210 χ^2/NDF:20.9/35

Out: -0.071+/-0.213 χ^2/NDF:38.9/39

All: 0.021+/-0.150 χ^2/NDF: 60.2/75

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: 967.828+/-0.177 χ^2/NDF:2149237.2/19

Left: 996.355+/-0.128 χ^2/NDF: 3482155.8/40

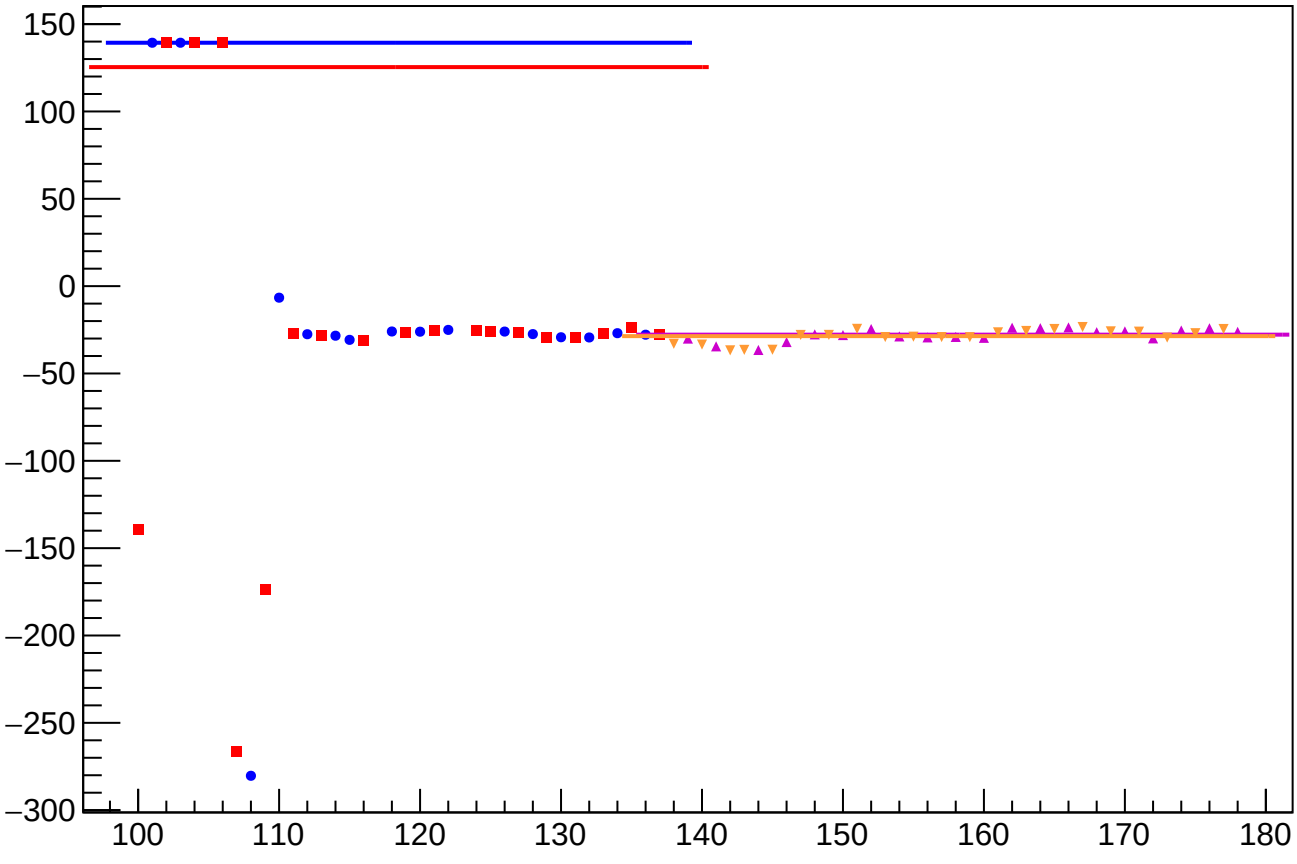
Right: 998.863+/-0.190 χ^2/NDF: 1277836.8/34

In: 980.087+/-0.149 χ^2/NDF:2864703.4/35

Out: 1014.673+/-0.151 χ^2/NDF:1868725.5/39

All: 997.137+/-0.106 χ^2/NDF: 4760113.1/75

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: -27.774+/-0.000 χ^2/NDF:113577669.7/19

Left: -28.202+/-0.000 χ^2/NDF: 264720148.9/40

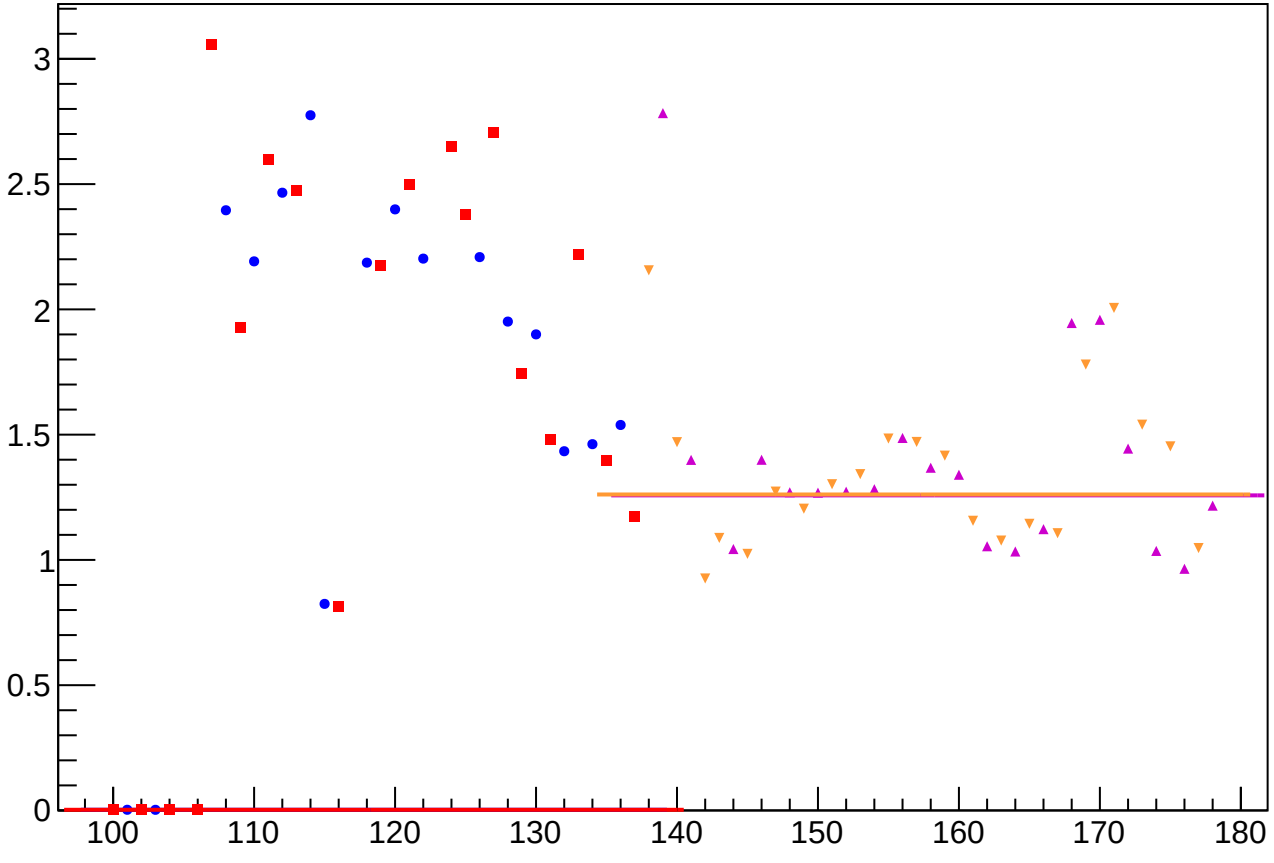
Right: 131.818+/-0.000 χ^2/NDF: 793004999492497

In: 139.329+/-0.000 χ^2/NDF:271979447783.9/35

Out: 125.386+/-0.000 χ^2/NDF:774367167021854.

All: 131.812+/-0.000 χ^2/NDF: 79342068578

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: 1.258+/-0.000 χ^2/NDF:1271323.9/19

Left: 1.259+/-0.000 χ^2/NDF: 2286988.9/40

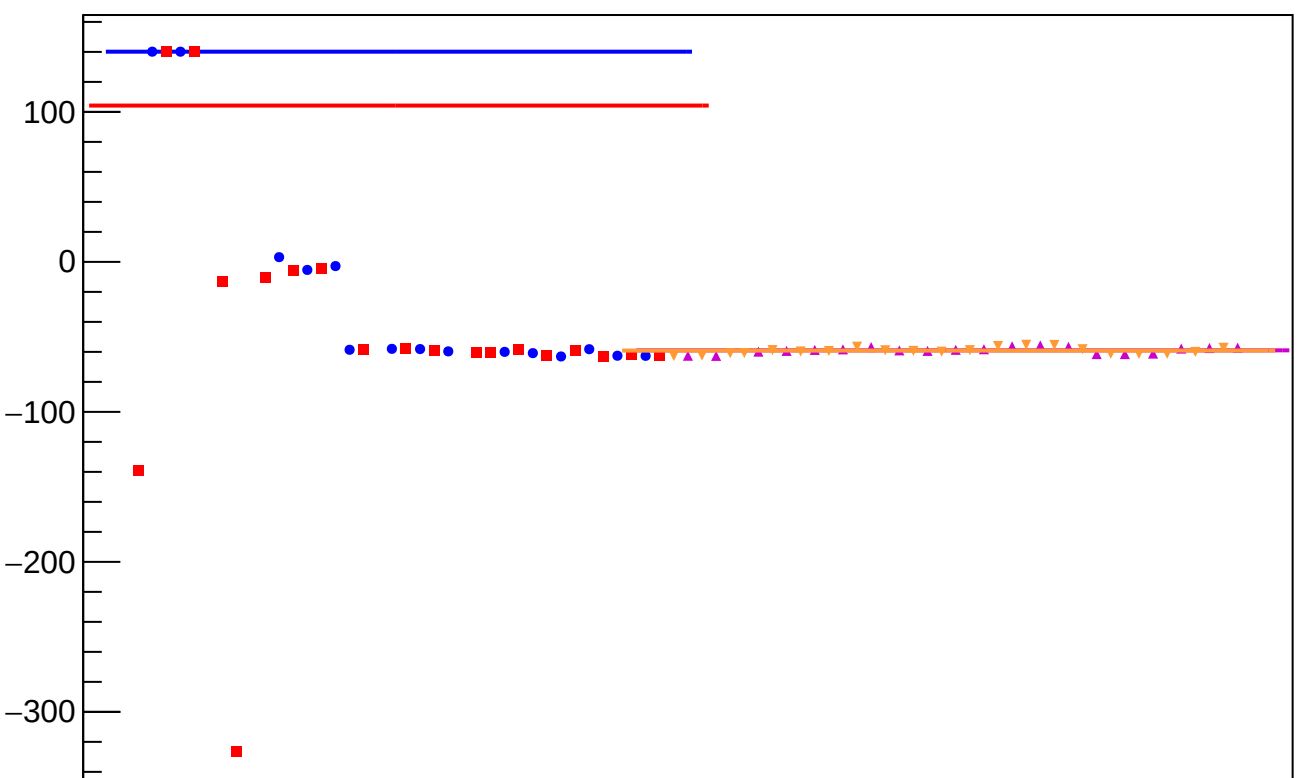
Right: 0.003+/-0.000 χ^2/NDF: 19299624.2/34

In: 0.003+/-0.000 χ^2/NDF:36189896.7/35

Out: 0.003+/-0.000 χ^2/NDF:36643511.5/39

All: 0.003+/-0.000 χ^2/NDF: 72833688.9/75

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 140.143+/-0.000 χ^2/NDF: 187461723281.9/15

Left Out: -59.124+/-0.000 χ^2/NDF:158123882.8/20

Right Out: 104.224+/-0.000 χ^2/NDF: 1257401882577977.0/18

Left In: -58.971+/-0.000 χ^2/NDF:139213099.3/19

Left: -59.047+/-0.000 χ^2/NDF: 297651613.4/40

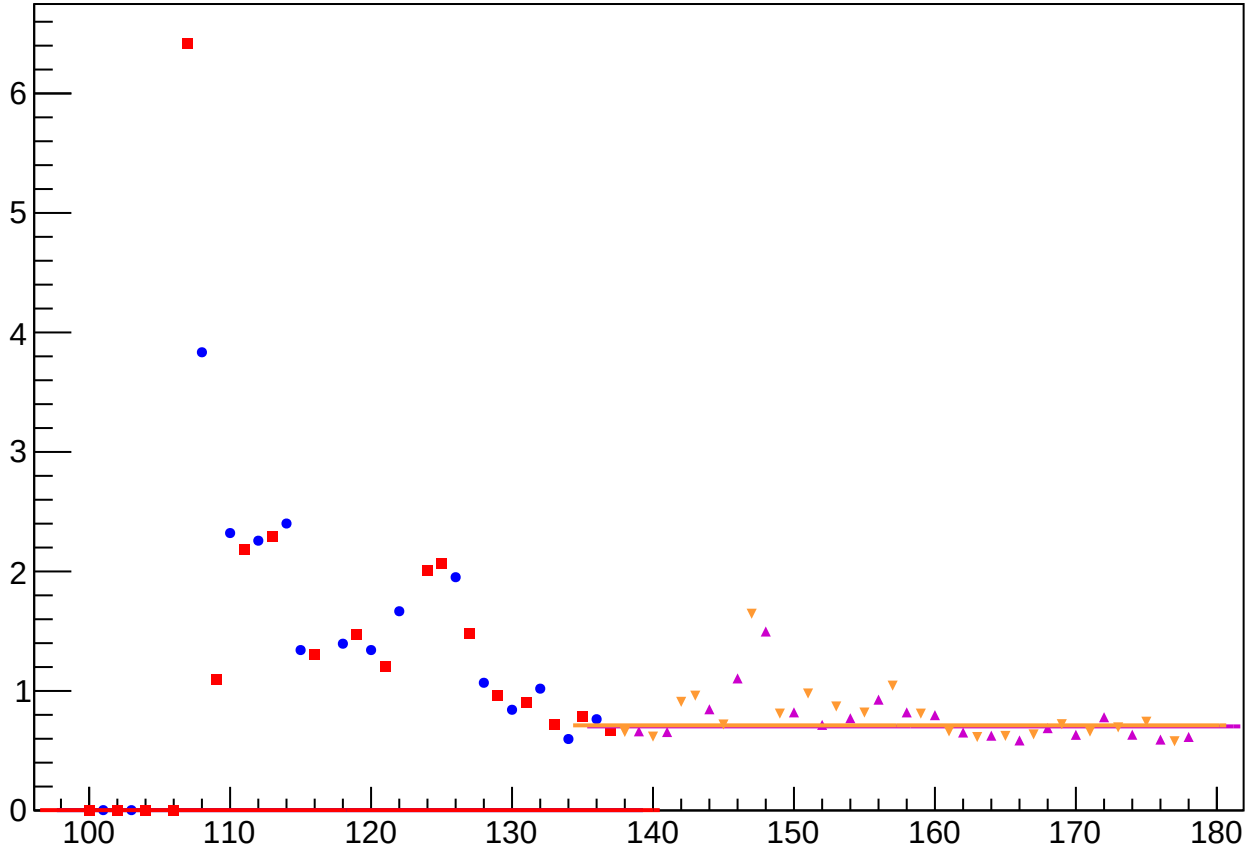
Right: 120.832+/-0.000 χ^2/NDF: 138089570604348

In: 140.113+/-0.000 χ^2/NDF:1261348009592.2/35

Out: 104.203+/-0.000 χ^2/NDF:125811757847573

All: 120.806+/-0.000 χ^2/NDF: 13826399972

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: 0.703+/-0.000 χ^2/NDF:961666.0/19

Left: 0.708+/-0.000 χ^2/NDF: 2086357.6/40

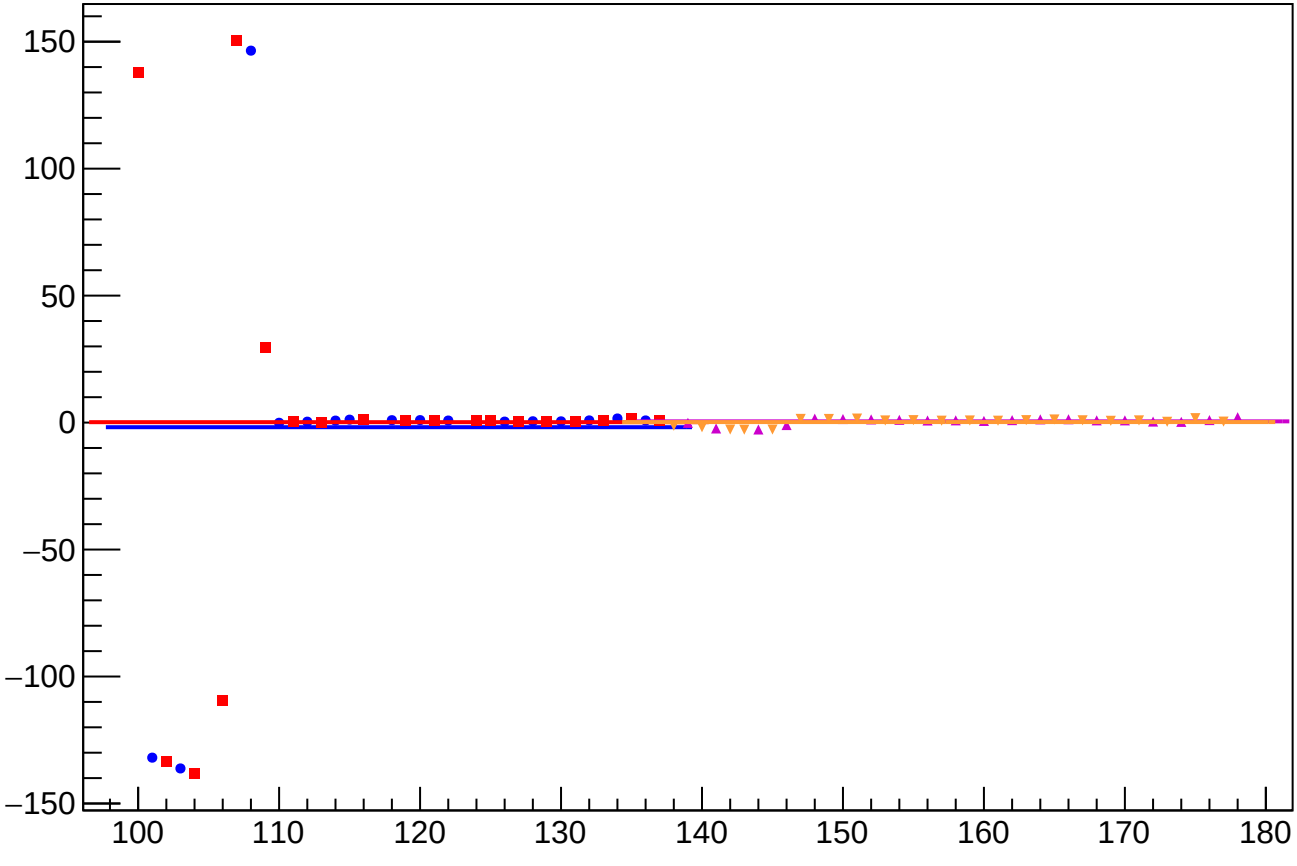
Right: 0.003+/-0.000 χ^2/NDF: 20845702.5/34

In: 0.003+/-0.000 χ^2/NDF:38131257.3/35

Out: 0.003+/-0.000 χ^2/NDF:38386896.5/39

All: 0.003+/-0.000 χ^2/NDF: 76518586.9/75

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: 0.485+/-0.000 χ^2/NDF:79648059.1/19

Left: 0.344+/-0.000 χ^2/NDF: 188888163.9/40

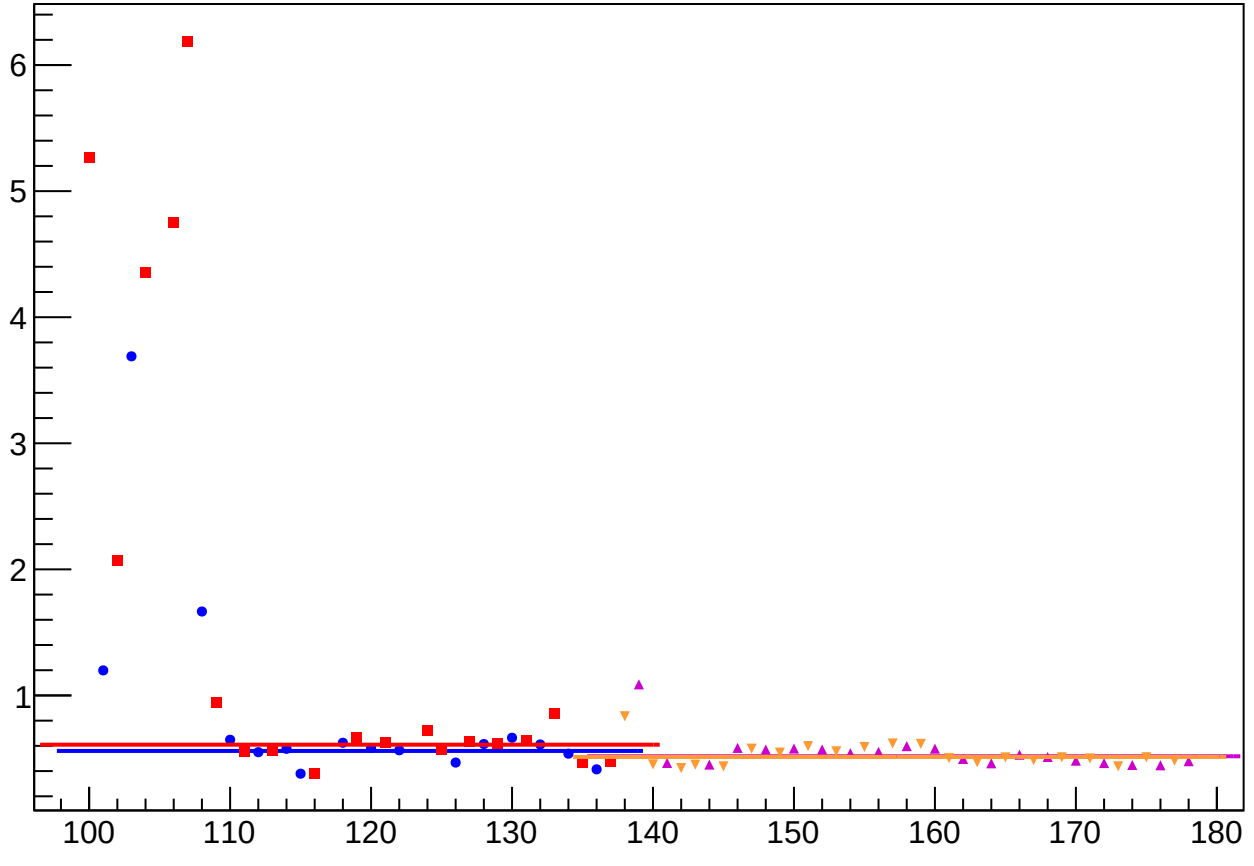
Right: -0.919+/-0.000 χ^2/NDF: 13527173630.8/34

In: -0.087+/-0.000 χ^2/NDF:10031143066.1/35

Out: 0.199+/-0.000 χ^2/NDF:3718582737.1/39

All: 0.055+/-0.000 χ^2/NDF: 13752353736.0/7

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: 0.517+/-0.000 χ^2/NDF:728305.4/19

Left: 0.515+/-0.000 χ^2/NDF: 1253687.8/40

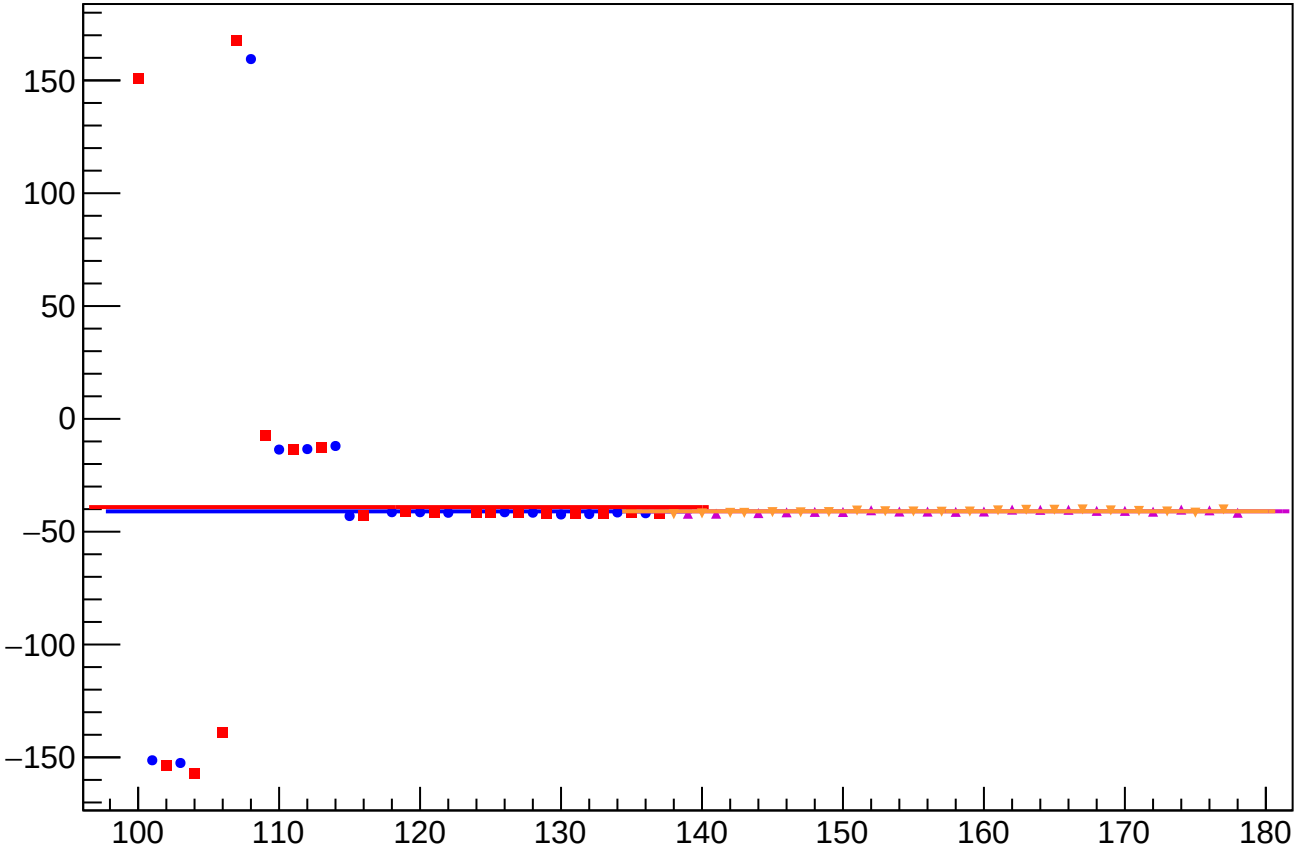
Right: 0.582+/-0.000 χ^2/NDF: 4110324.4/34

In: 0.528+/-0.000 χ^2/NDF:2370365.7/35

Out: 0.533+/-0.000 χ^2/NDF:3199170.4/39

All: 0.530+/-0.000 χ^2/NDF: 5570958.4/75

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: -40.964+/-0.000 χ^2/NDF:37262081.1/19

Left: -40.960+/-0.000 χ^2/NDF: 78103197.6/40

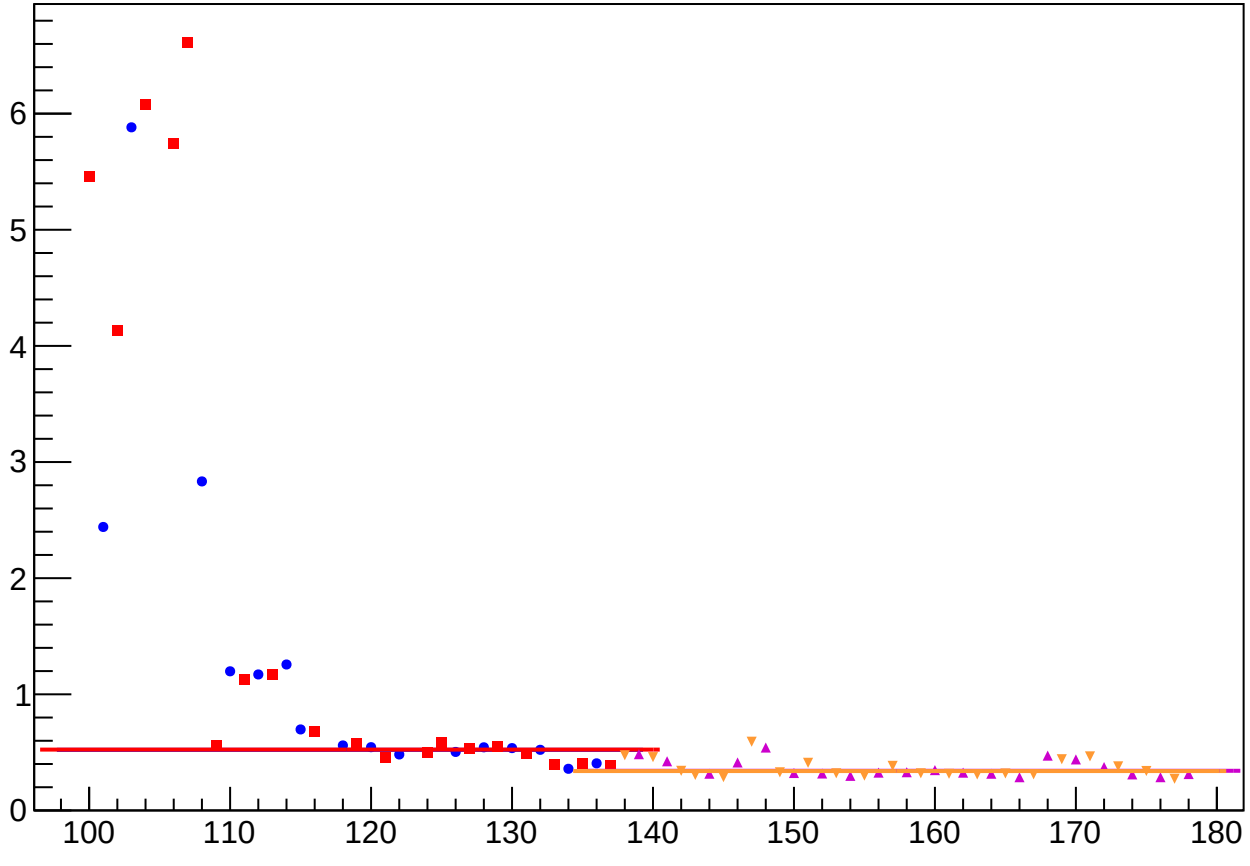
Right: -40.058+/-0.000 χ^2/NDF: 5962079351.2/34

In: -40.967+/-0.000 χ^2/NDF:3486892334.3/35

Out: -40.736+/-0.000 χ^2/NDF:2575294359.6/39

All: -40.850+/-0.000 χ^2/NDF: 6066162909.5/

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: 0.342+/-0.000 χ^2/NDF:857017.0/19

Left: 0.340+/-0.000 χ^2/NDF: 1881186.5/40

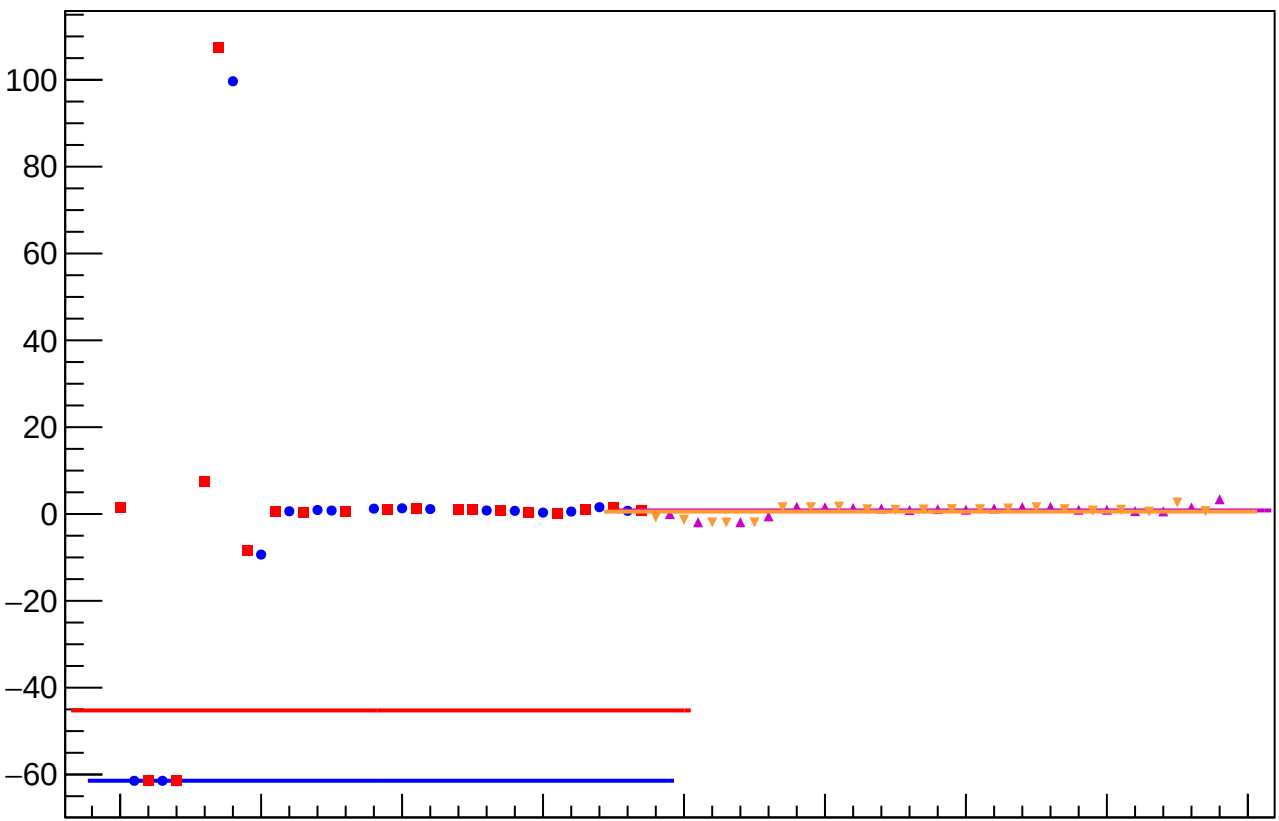
Right: 0.523+/-0.000 χ^2/NDF: 6213857.4/34

In: 0.364+/-0.000 χ^2/NDF:4857512.8/35

Out: 0.361+/-0.000 χ^2/NDF:5365839.7/39

All: 0.363+/-0.000 χ^2/NDF: 10224774.2/75

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: 0.822+/-0.000 χ^2/NDF:107415416.3/19

Left: 0.685+/-0.000 χ^2/NDF: 229110002.5/40

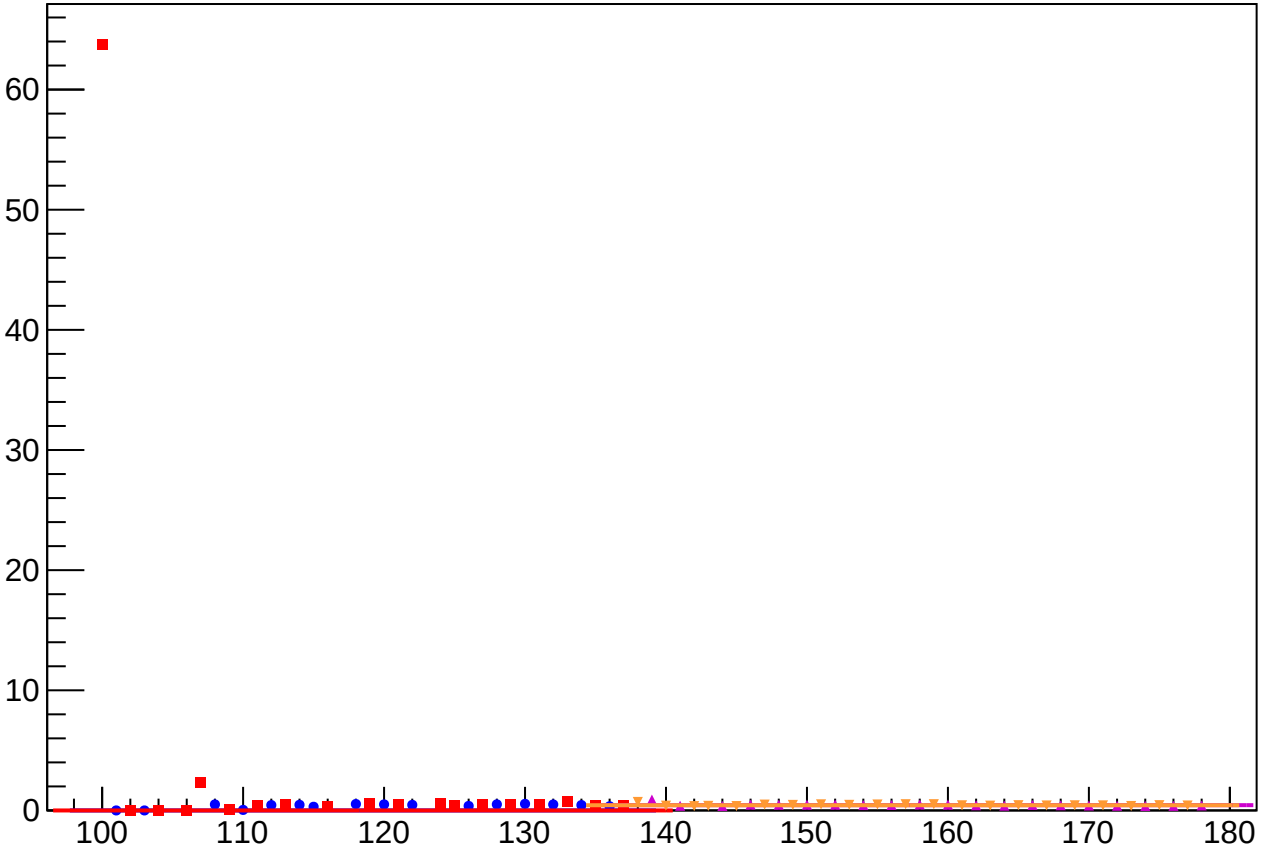
Right: -52.749+/-0.000 χ^2/NDF: 409121918007227

In: -61.424+/-0.000 χ^2/NDF:536299424510.0/35

Out: -45.237+/-0.000 χ^2/NDF:358019353811243.6

All: -52.740+/-0.000 χ^2/NDF: 409518346200

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: 0.440+/-0.000 χ^2/NDF:688759.8/19

Left: 0.437+/-0.000 χ^2/NDF: 1203606.0/40

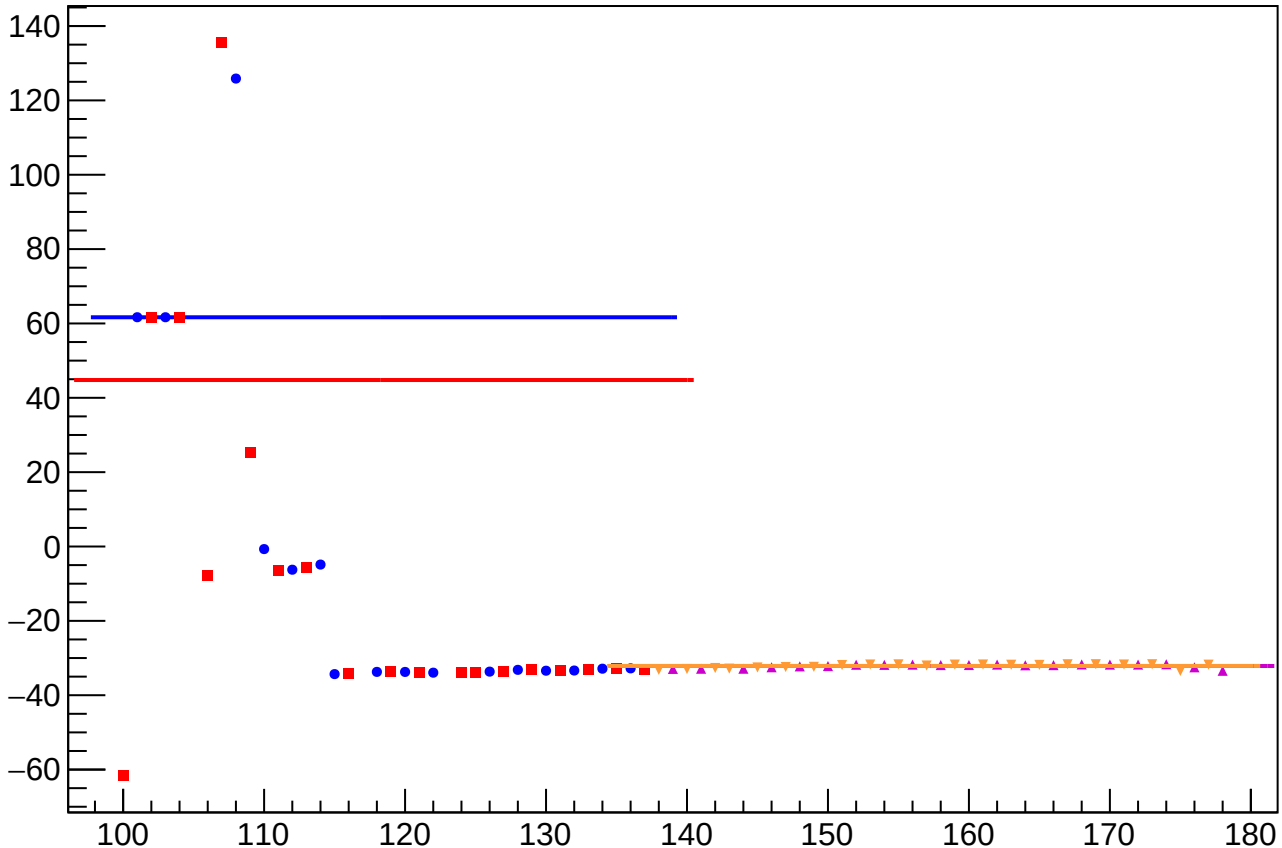
Right: 0.001+/-0.000 χ^2/NDF: 18501293.3/34

In: 0.002+/-0.000 χ^2/NDF:35924855.2/35

Out: 0.002+/-0.000 χ^2/NDF:36427108.9/39

All: 0.002+/-0.000 χ^2/NDF: 72352013.0/75

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: 366094778229951.8/18

Left In: -32.140+/-0.000 χ^2/NDF:47748285.7/19

Left: -32.133+/-0.000 χ^2/NDF: 106091309.5/40

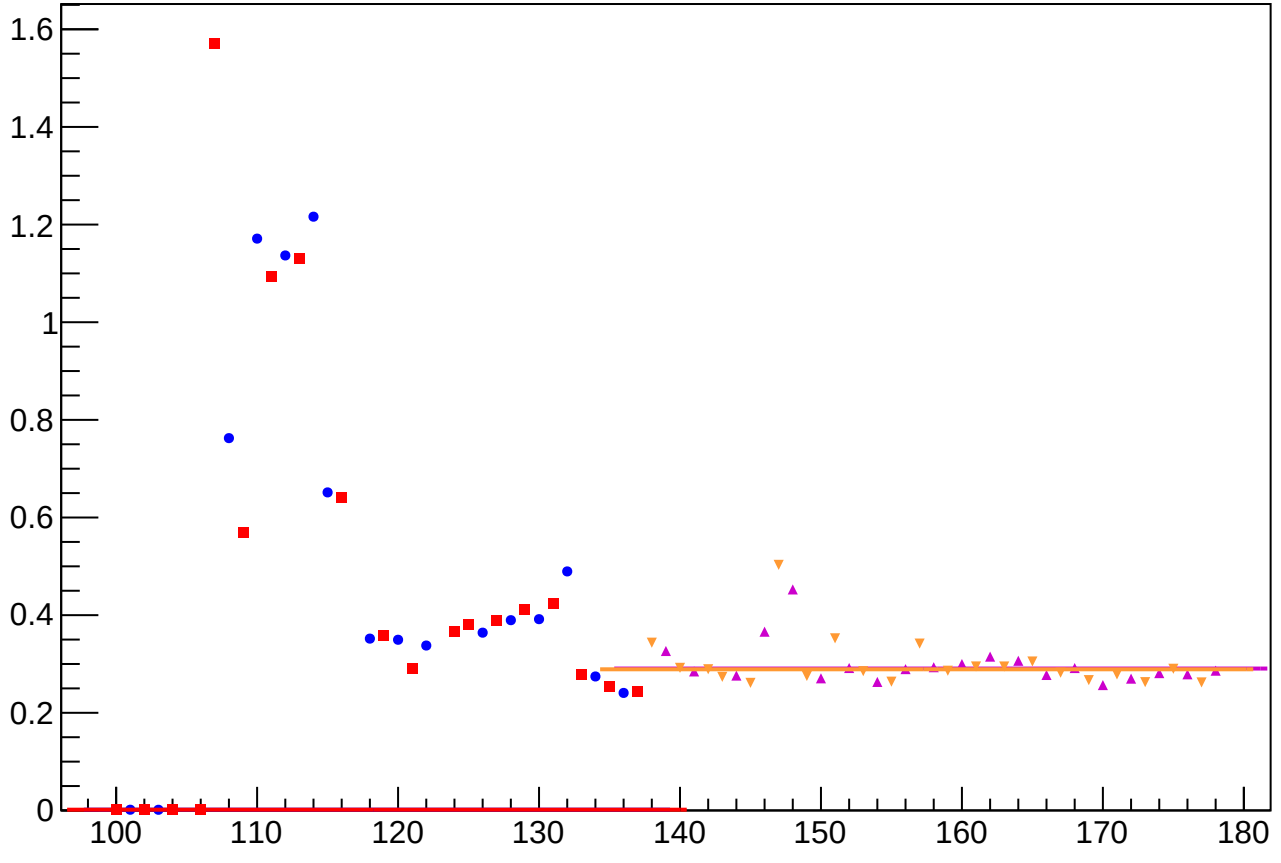
Right: 52.689+/-0.000 χ^2/NDF: 417568081486015.0

In: 61.611+/-0.000 χ^2/NDF:1988143499418.1/35

Out: 44.748+/-0.000 χ^2/NDF:367214211127068.3

All: 52.645+/-0.000 χ^2/NDF: 420253184980

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:383936.3/19

Left: 0.290+/-0.000 χ^2/NDF: 891215.4/40

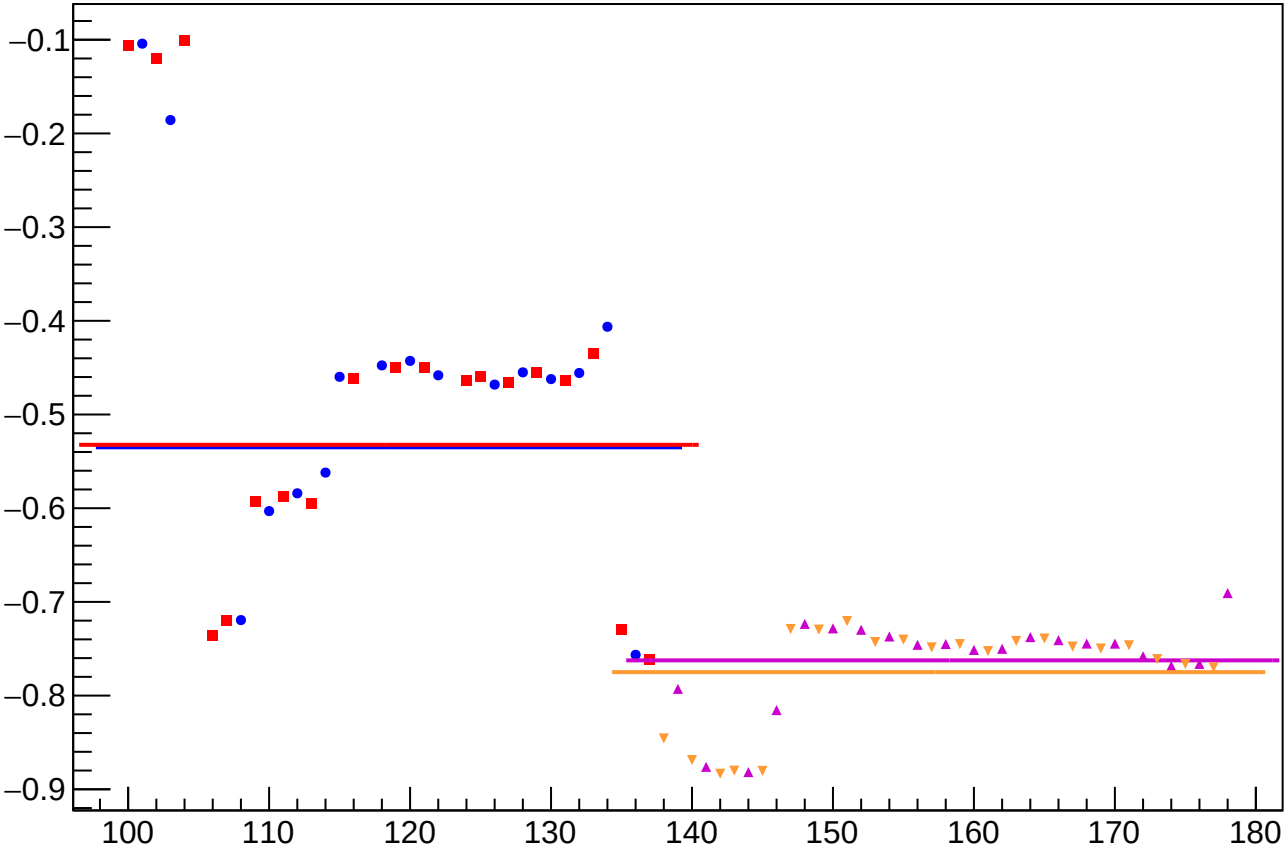
Right: 0.002+/-0.000 χ^2/NDF: 21583912.3/34

In: 0.002+/-0.000 χ^2/NDF:42165459.3/35

Out: 0.002+/-0.000 χ^2/NDF:42365167.3/39

All: 0.002+/-0.000 χ^2/NDF: 84530630.5/75

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: -0.762+/-0.000 χ^2/NDF:90287022.6/19

Left: -0.769+/-0.000 χ^2/NDF: 205306290.4/40

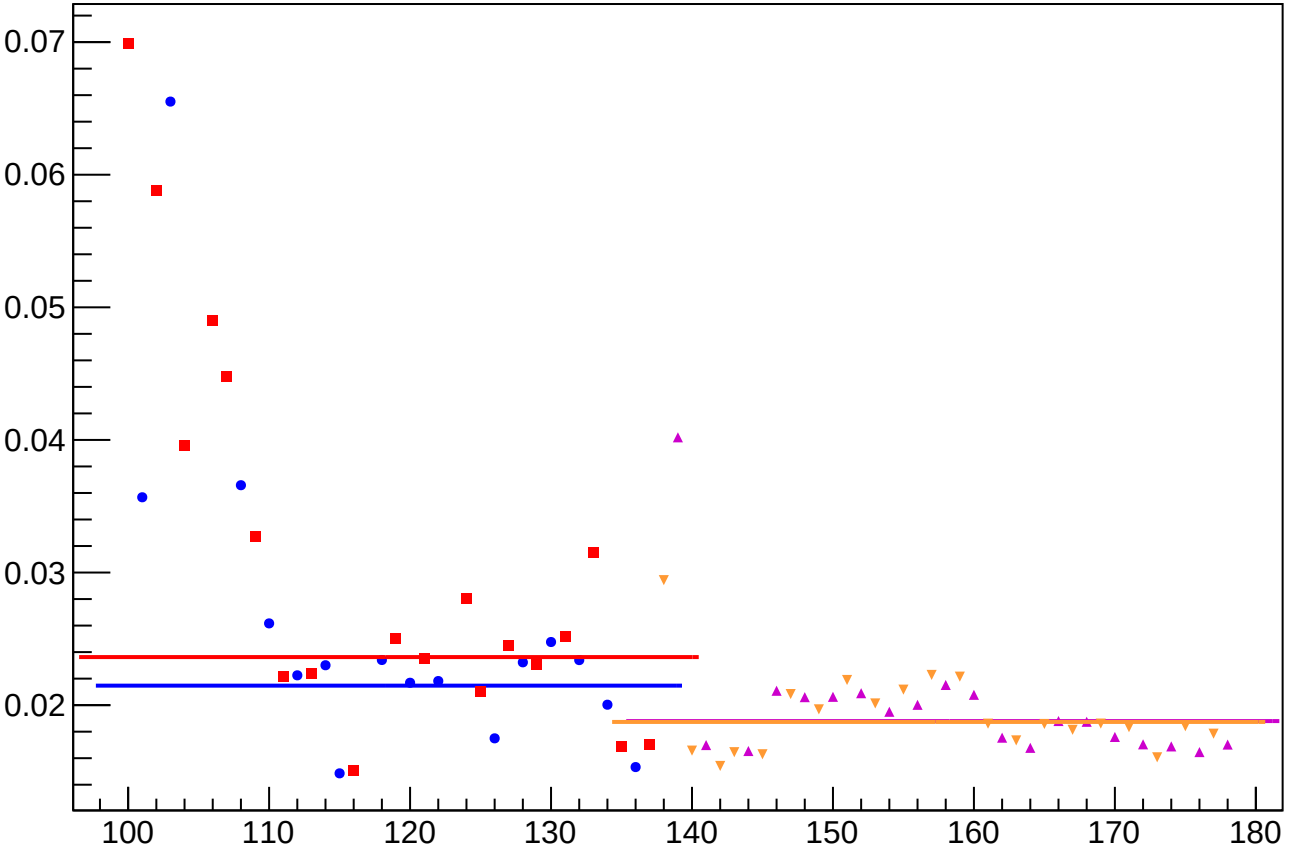
Right: -0.534+/-0.000 χ^2/NDF: 515008587.7/34

In: -0.708+/-0.000 χ^2/NDF:848302781.9/35

Out: -0.724+/-0.000 χ^2/NDF:791831974.8/39

All: -0.716+/-0.000 χ^2/NDF: 1646687295.8/7

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:706536.5/19

Left: 0.019+/-0.000 χ^2/NDF: 1162281.5/40

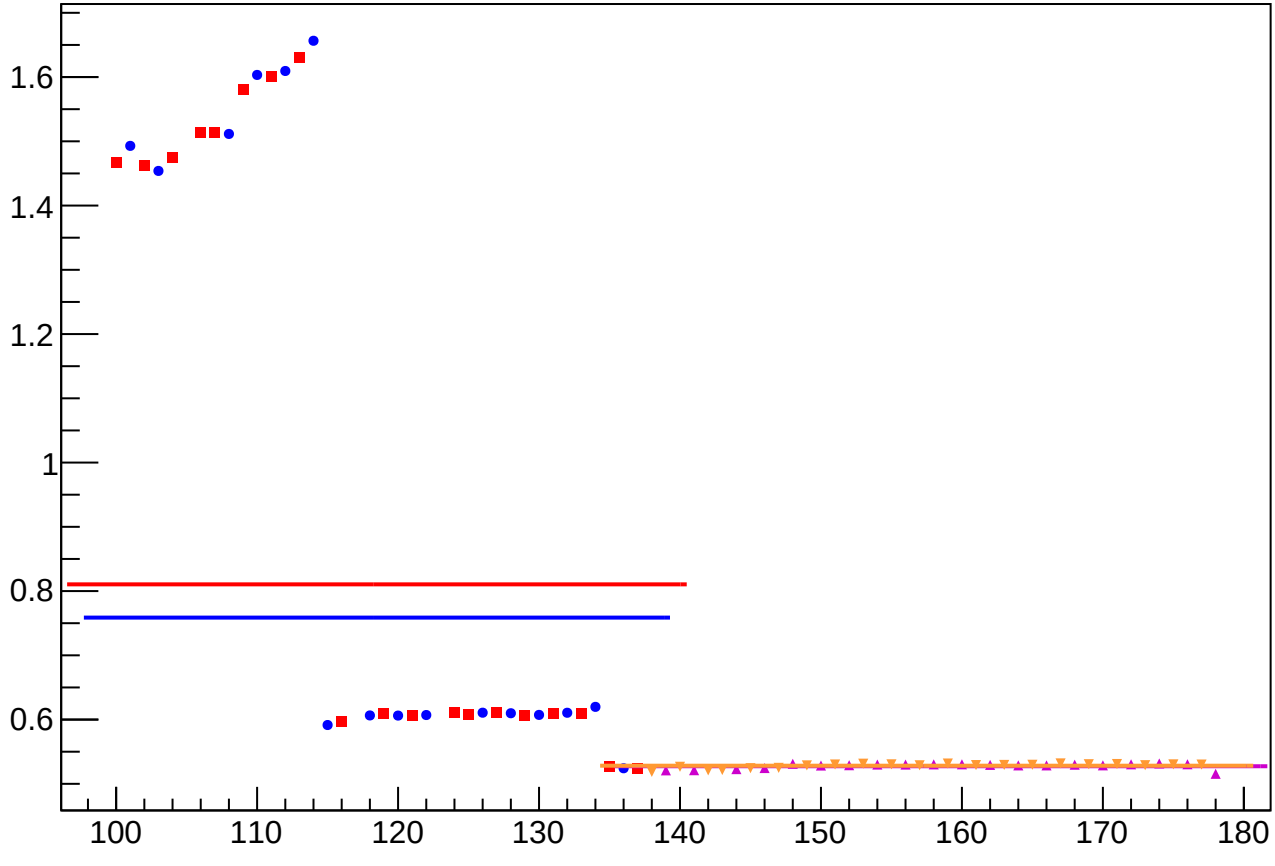
Right: 0.022+/-0.000 χ^2/NDF: 2481109.4/34

In: 0.019+/-0.000 χ^2/NDF:1986826.3/35

Out: 0.020+/-0.000 χ^2/NDF:2111323.8/39

All: 0.020+/-0.000 χ^2/NDF: 4102918.8/75

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: 0.527+/-0.000 χ^2/NDF:2060821.9/19

Left: 0.528+/-0.000 χ^2/NDF: 3563037.4/40

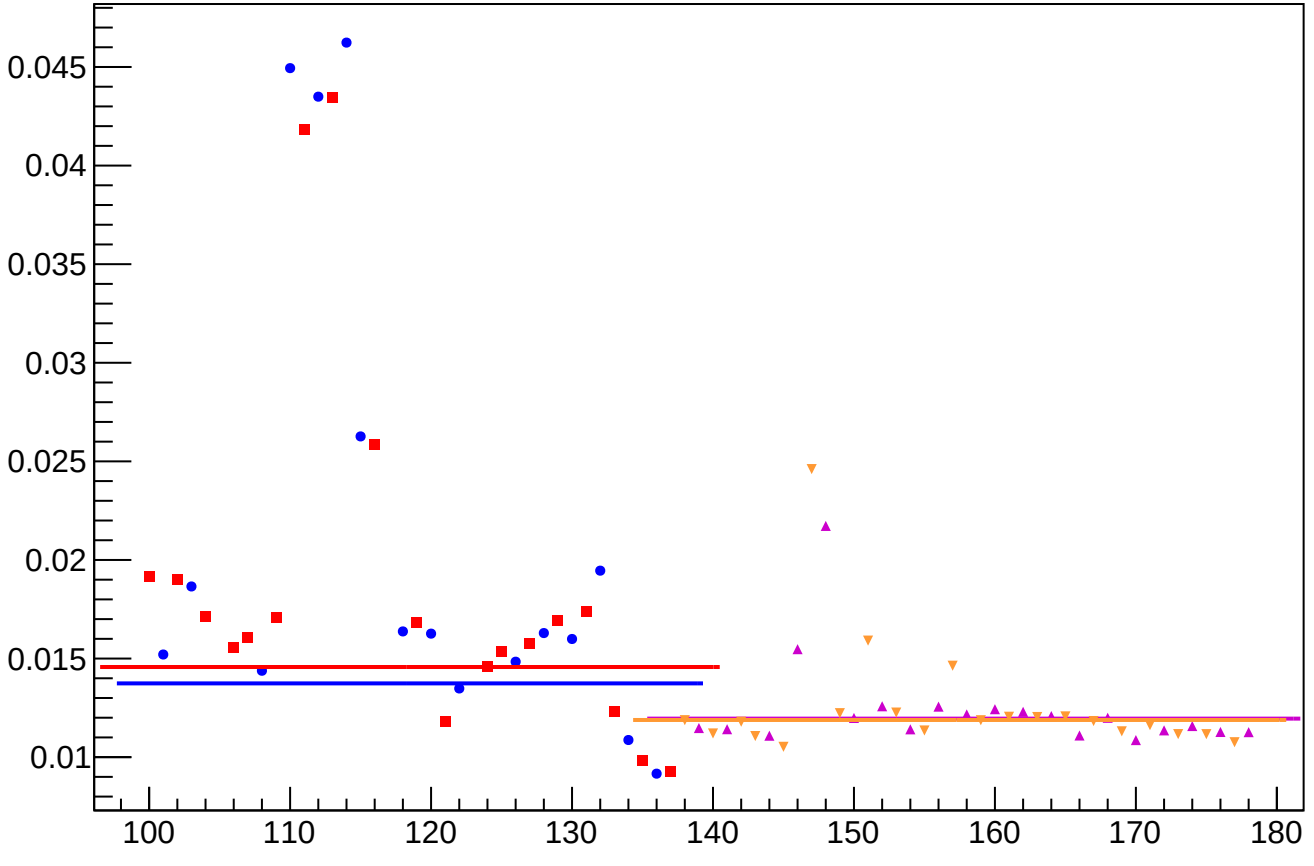
Right: 0.784+/-0.000 χ^2/NDF: 9114268233.2/34

In: 0.579+/-0.000 χ^2/NDF:5615874685.3/35

Out: 0.587+/-0.000 χ^2/NDF:6625996937.8/39

All: 0.583+/-0.000 χ^2/NDF: 12245915145.2/7

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:473956.1/19

Left: 0.012+/-0.000 χ^2/NDF: 1137646.5/40

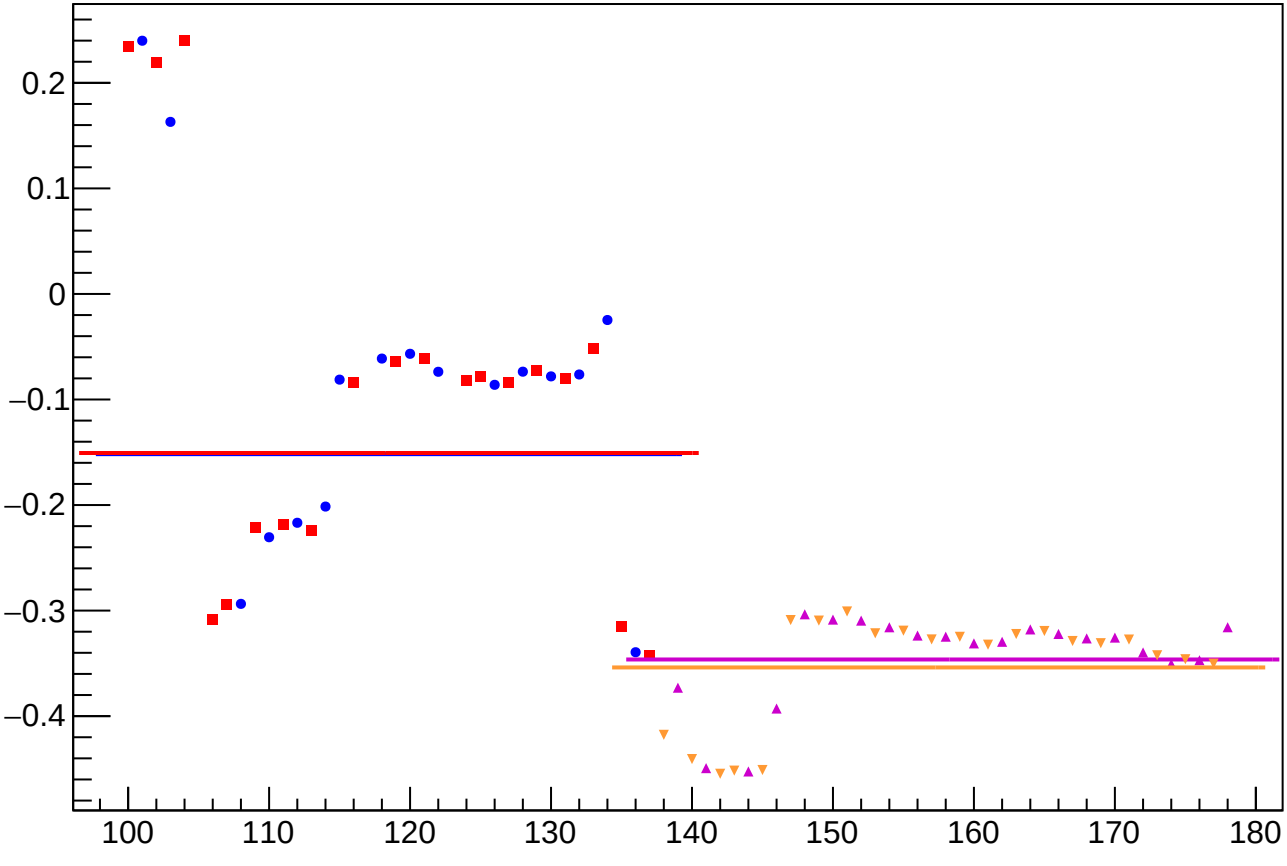
Right: 0.014+/-0.000 χ^2/NDF: 3125814.5/34

In: 0.012+/-0.000 χ^2/NDF:2280000.4/35

Out: 0.012+/-0.000 χ^2/NDF:2454291.4/39

All: 0.012+/-0.000 χ^2/NDF: 4735394.8/75

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: -0.346+/-0.000 χ^2/NDF:79854888.0/19

Left: -0.350+/-0.000 χ^2/NDF: 188949164.8/40

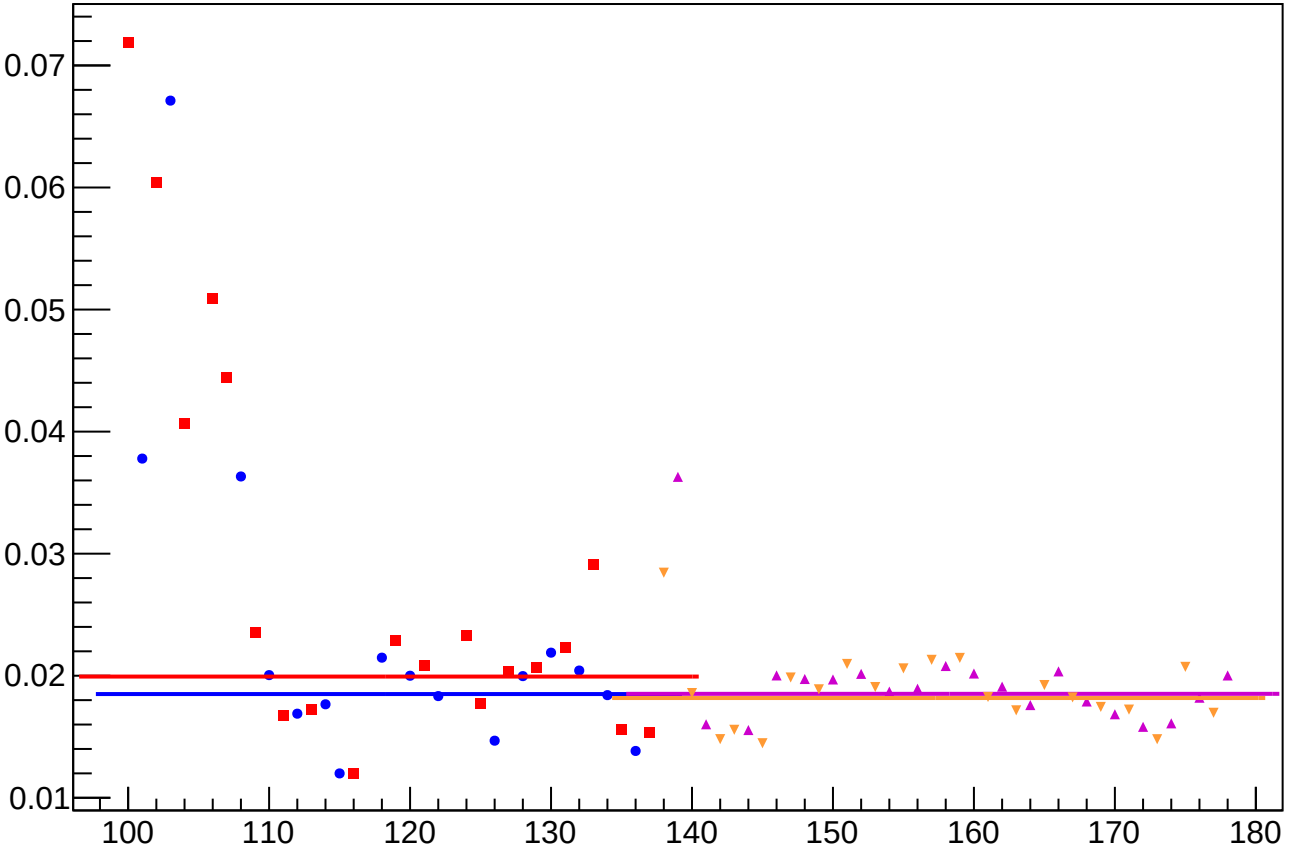
Right: -0.151+/-0.000 χ^2/NDF: 476210345.8/34

In: -0.291+/-0.000 χ^2/NDF:773600022.1/35

Out: -0.303+/-0.000 χ^2/NDF:730872076.8/39

All: -0.297+/-0.000 χ^2/NDF: 1508308001.2/7

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: 0.019+/-0.000 χ^2/NDF:643426.4/19

Left: 0.018+/-0.000 χ^2/NDF: 1194102.5/40

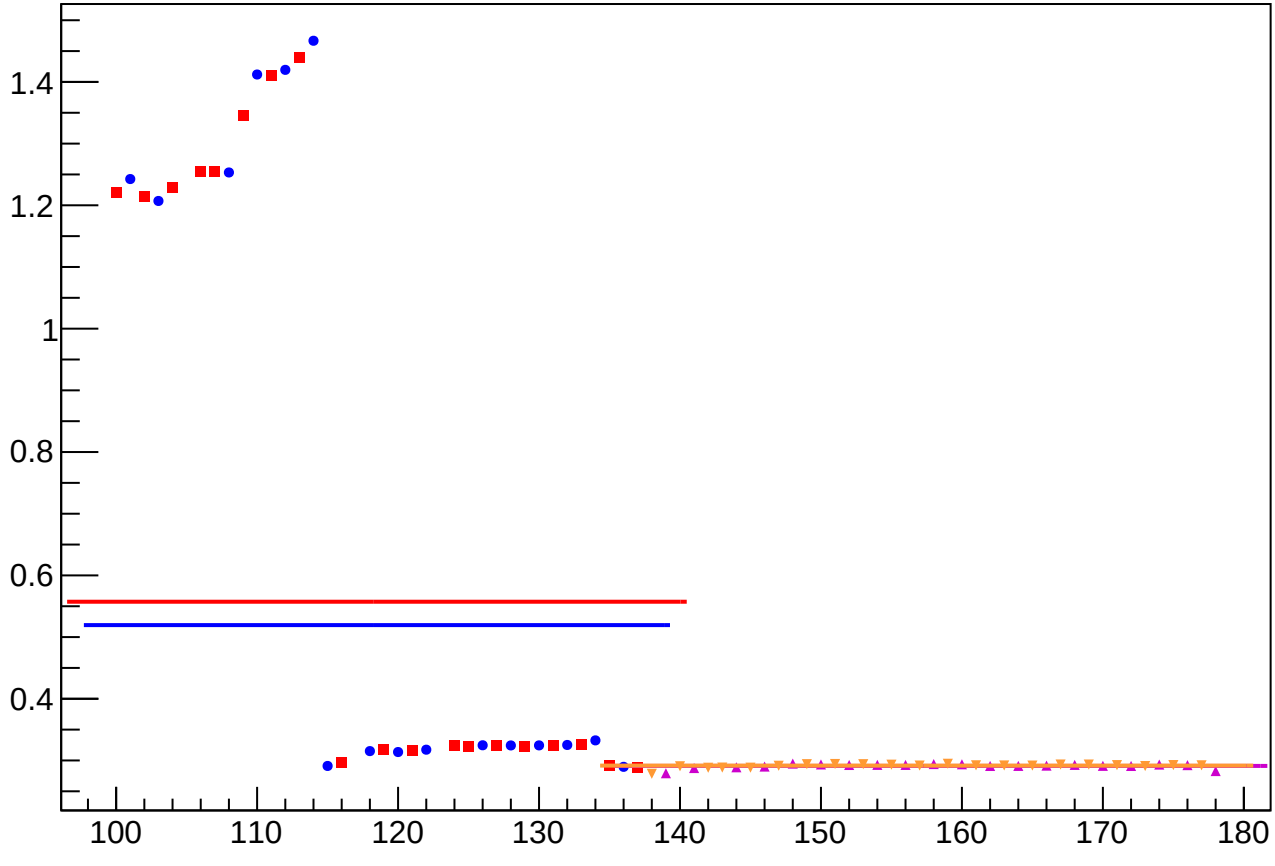
Right: 0.019+/-0.000 χ^2/NDF: 2949710.8/34

In: 0.019+/-0.000 χ^2/NDF:2015792.9/35

Out: 0.019+/-0.000 χ^2/NDF:2157014.9/39

All: 0.019+/-0.000 χ^2/NDF: 4173387.3/75

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:1600447.4/19

Left: 0.291+/-0.000 χ^2/NDF: 2828771.4/40

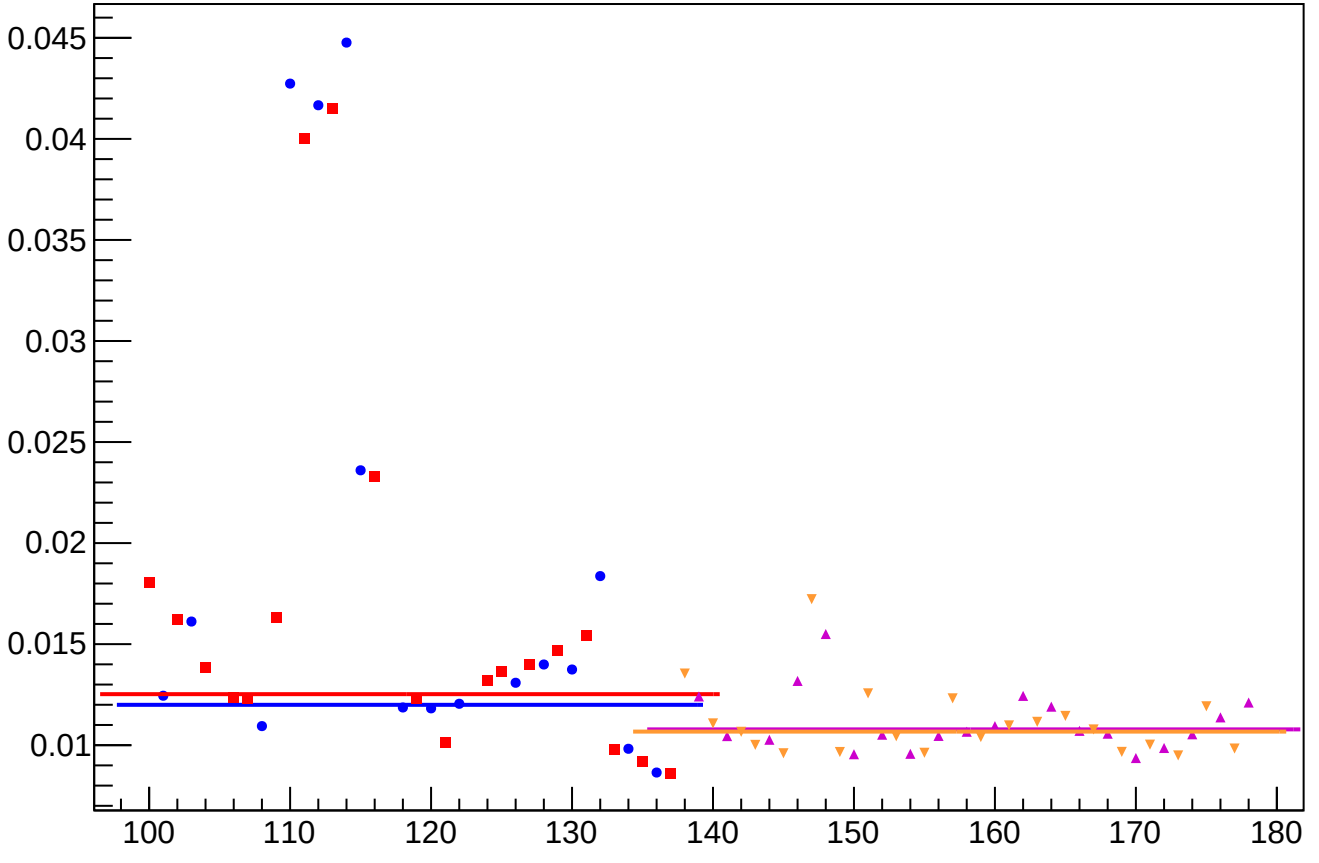
Right: 0.538+/-0.000 χ^2/NDF: 13094140546.7/34

In: 0.345+/-0.000 χ^2/NDF:7967387125.0/35

Out: 0.350+/-0.000 χ^2/NDF:8897454226.3/39

All: 0.348+/-0.000 χ^2/NDF: 16866830720.6/7

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:407438.6/19

Left: 0.011+/-0.000 χ^2/NDF: 924383.8/40

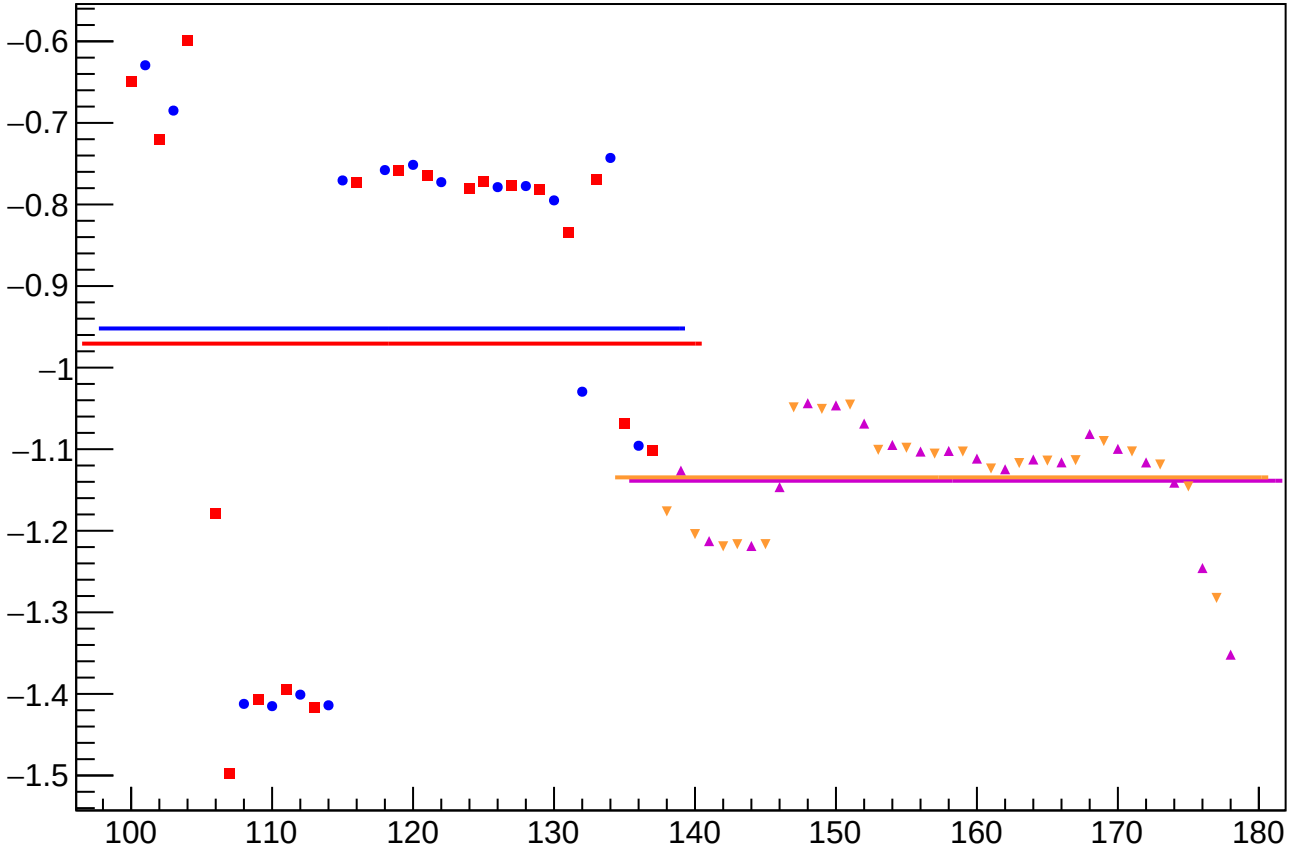
Right: 0.012+/-0.000 χ^2/NDF: 2937026.7/34

In: 0.011+/-0.000 χ^2/NDF:1992338.1/35

Out: 0.011+/-0.000 χ^2/NDF:2158637.5/39

All: 0.011+/-0.000 χ^2/NDF: 4150991.0/75

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: -1.139+/-0.000 χ^2/NDF:220476419.8/19

Left: -1.137+/-0.000 χ^2/NDF: 373429000.9/40

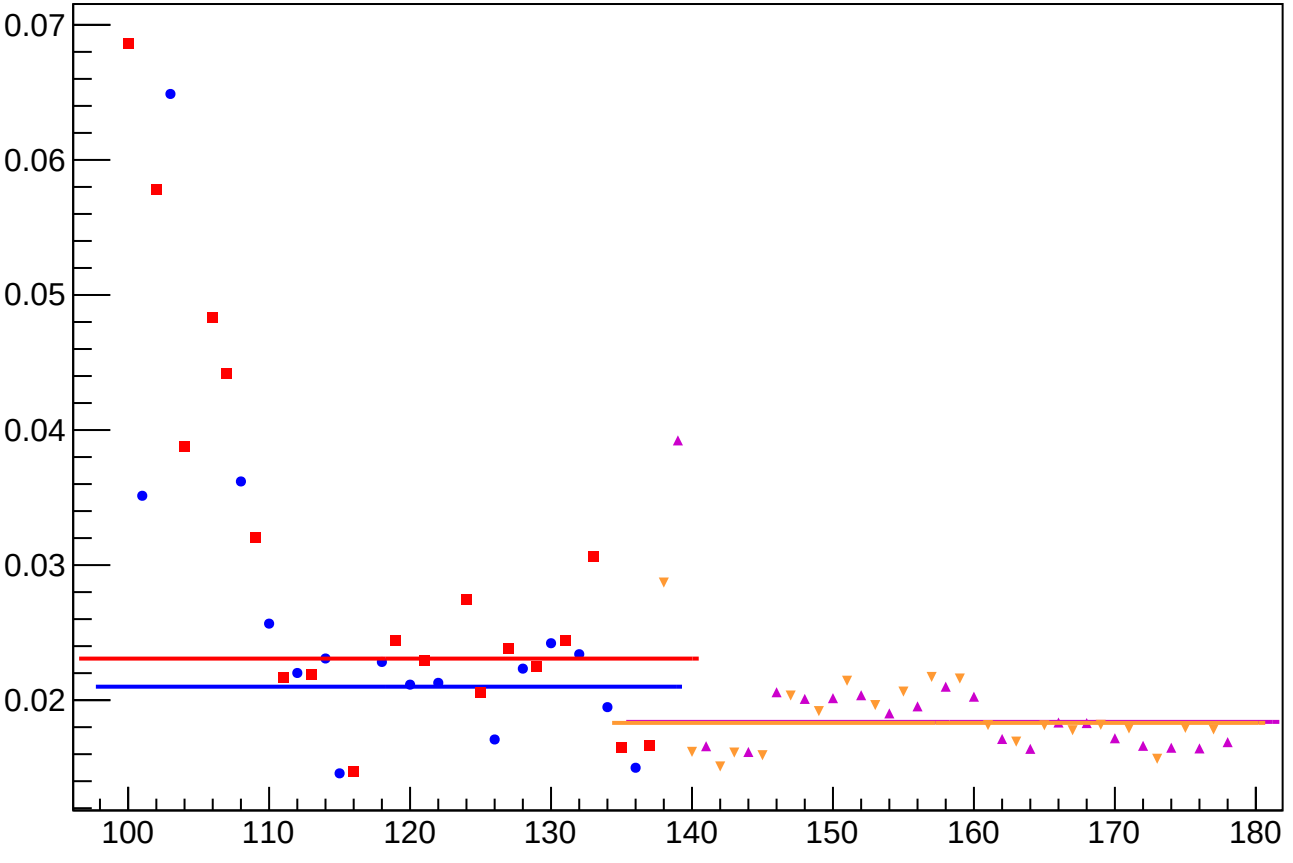
Right: -0.961+/-0.000 χ^2/NDF: 1415910427.1/34

In: -1.094+/-0.000 χ^2/NDF:1241651902.9/35

Out: -1.100+/-0.000 χ^2/NDF:1089345342.0/39

All: -1.097+/-0.000 χ^2/NDF: 2332047595.9/7

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1166992.9/15

Left Out: 0.018+/-0.000 χ^2/NDF:450390.4/20

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

Left In: 0.018+/-0.000 χ^2/NDF:693608.0/19

Left: 0.018+/-0.000 χ^2/NDF: 1144212.1/40

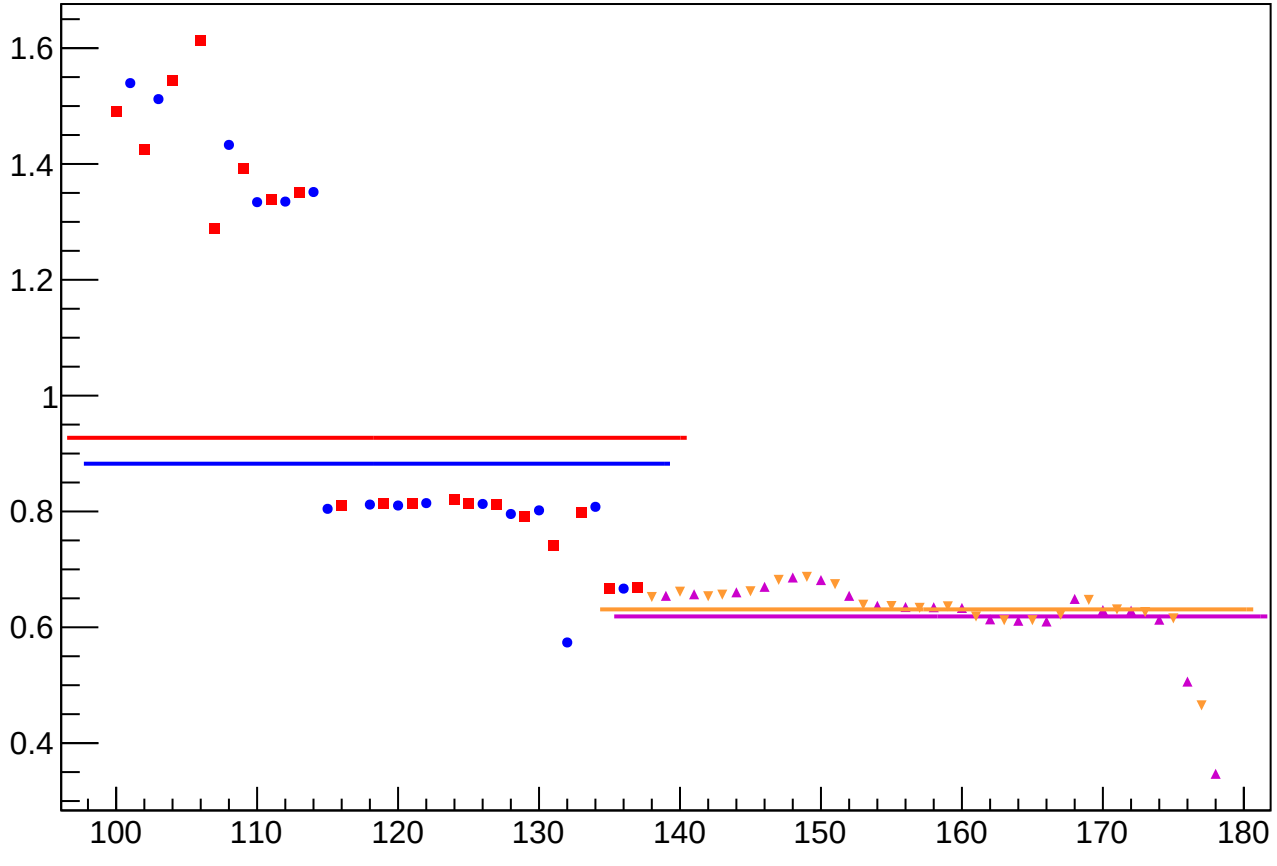
Right: 0.022+/-0.000 χ^2/NDF: 2496865.9/34

In: 0.019+/-0.000 χ^2/NDF:1986055.6/35

Out: 0.019+/-0.000 χ^2/NDF:2106343.2/39

All: 0.019+/-0.000 χ^2/NDF: 4096710.5/75

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: 0.619+/-0.000 χ^2/NDF:595194735.4/19

Left: 0.625+/-0.000 χ^2/NDF: 833315145.1/40

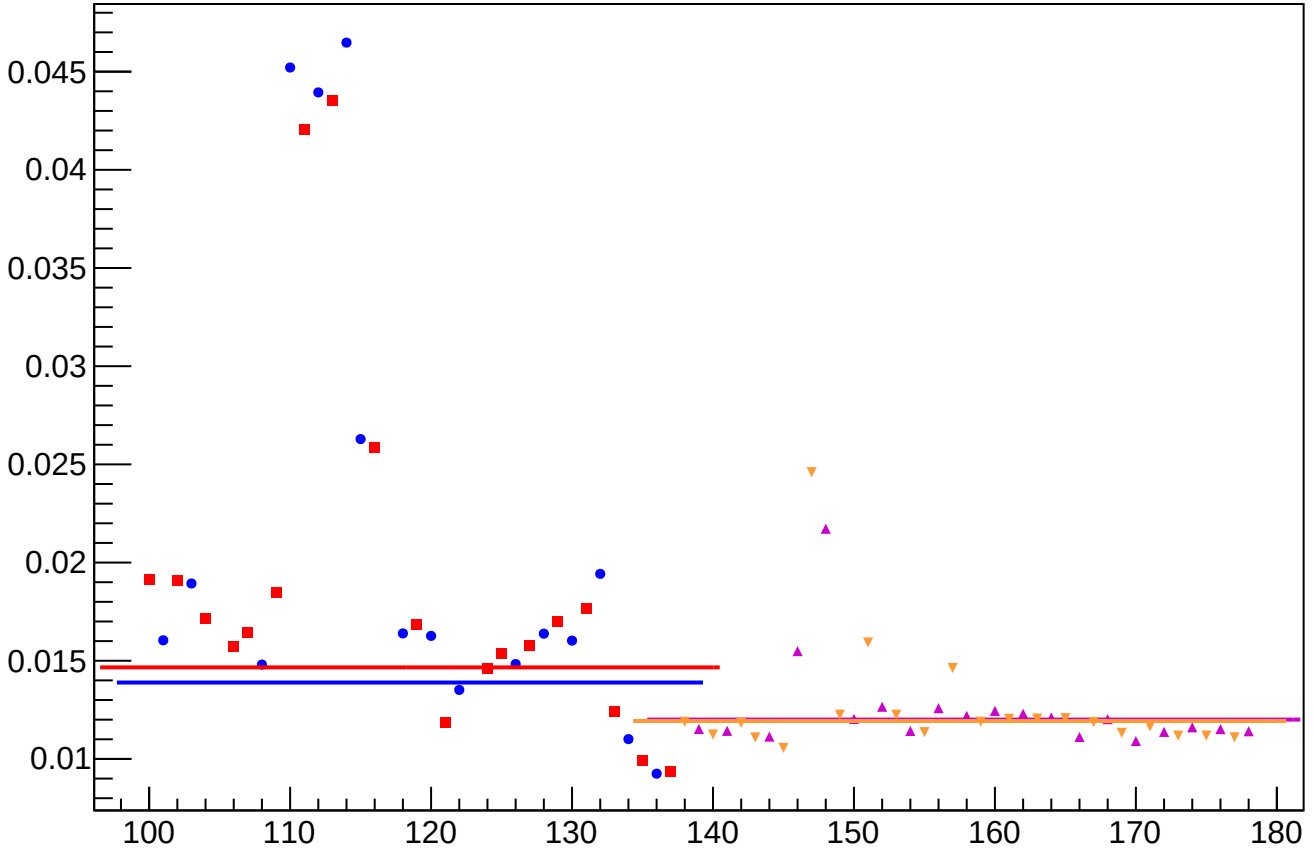
Right: 0.904+/-0.000 χ^2/NDF: 5576917007.9/34

In: 0.677+/-0.000 χ^2/NDF:5043005877.9/35

Out: 0.692+/-0.000 χ^2/NDF:5004877478.2/39

All: 0.684+/-0.000 χ^2/NDF: 10063286334.9/7

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1646691.8/15

Left Out: 0.012+/-0.000 χ^2/NDF:648358.6/20

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

Left In: 0.012+/-0.000 χ^2/NDF:465579.1/19

Left: 0.012+/-0.000 χ^2/NDF: 1114495.8/40

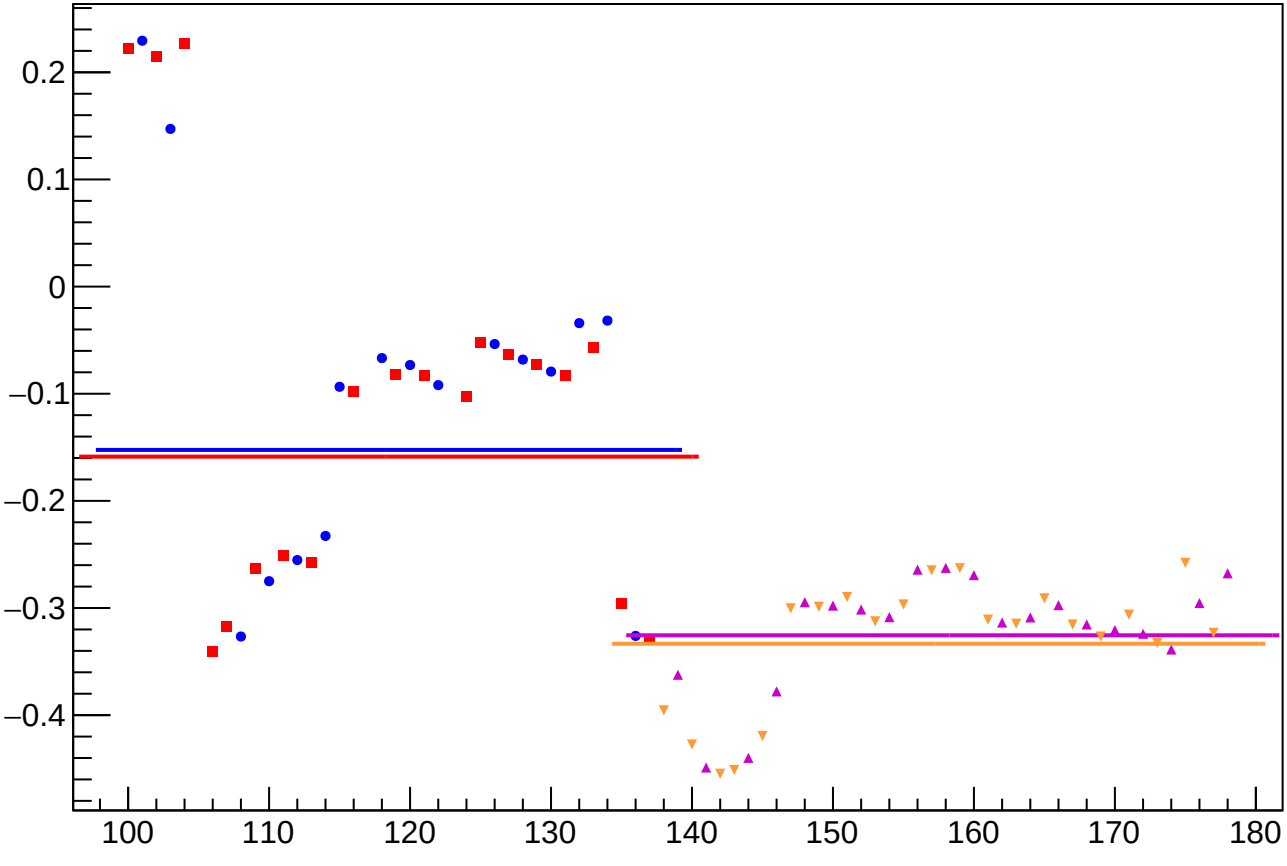
Right: 0.014+/-0.000 χ^2/NDF: 3131409.7/34

In: 0.012+/-0.000 χ^2/NDF:2282794.2/35

Out: 0.012+/-0.000 χ^2/NDF:2457067.7/39

All: 0.012+/-0.000 χ^2/NDF: 4740614.4/75

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: -0.325+/-0.000 χ^2/NDF:111451856.4/19

Left: -0.330+/-0.000 χ^2/NDF: 249253144.1/40

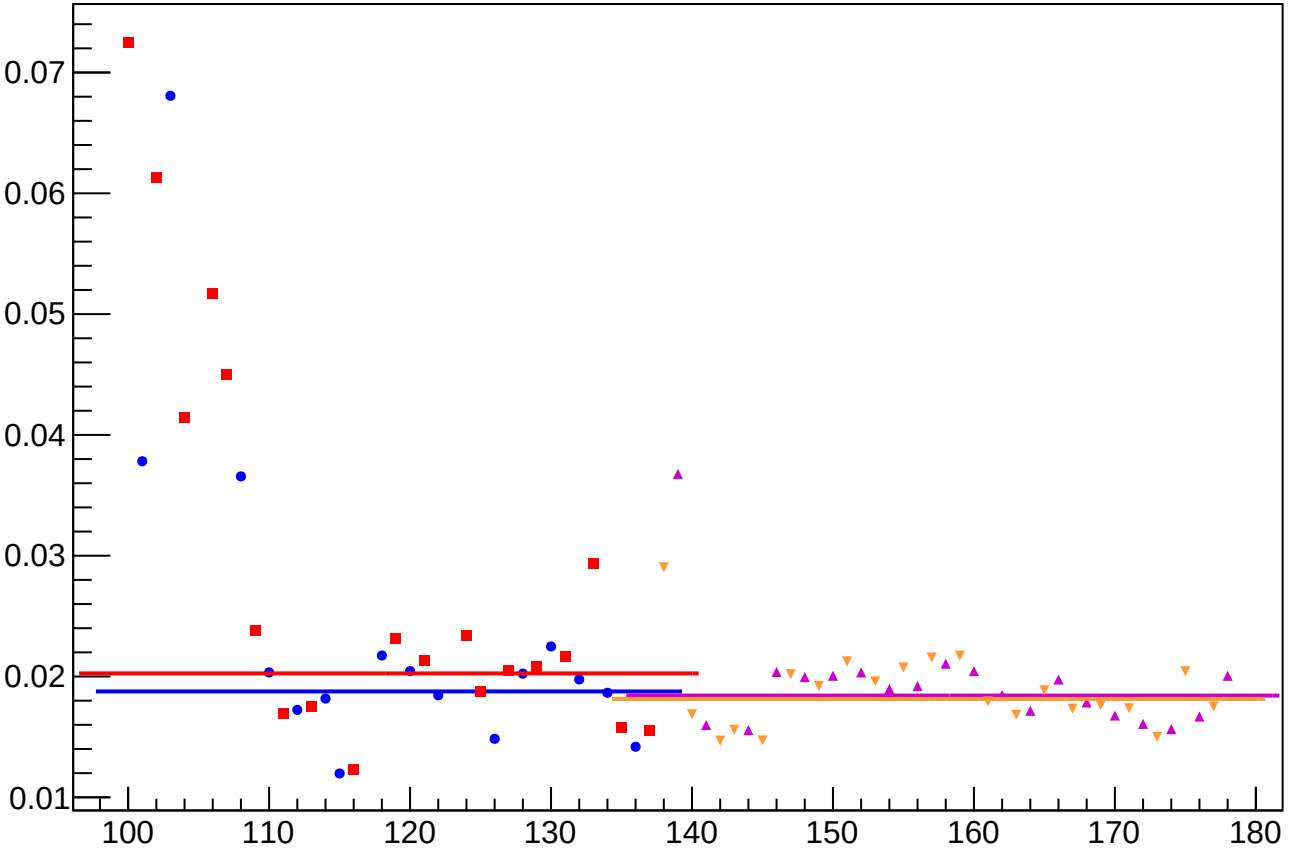
Right: -0.155+/-0.000 χ^2/NDF: 470153865.7/34

In: -0.277+/-0.000 χ^2/NDF:708817619.5/35

Out: -0.290+/-0.000 χ^2/NDF:637170088.7/39

All: -0.284+/-0.000 χ^2/NDF: 1350800804.9/7

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:692969.3/19

Left: 0.018+/-0.000 χ^2/NDF: 1263870.4/40

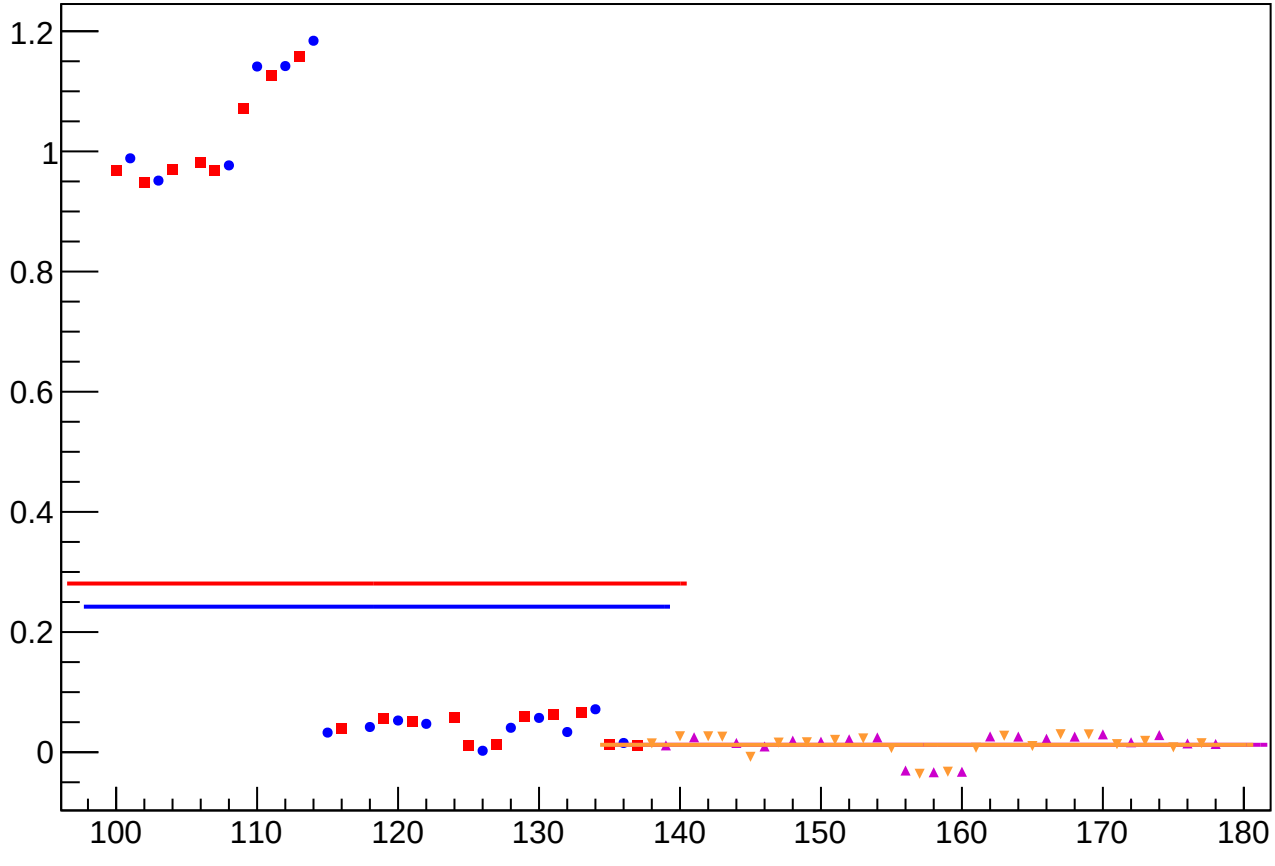
Right: 0.019+/-0.000 χ^2/NDF: 2910384.5/34

In: 0.019+/-0.000 χ^2/NDF:2044890.9/35

Out: 0.019+/-0.000 χ^2/NDF:2186816.4/39

All: 0.019+/-0.000 χ^2/NDF: 4232817.3/75

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:57595236.5/19

Left: 0.012+/-0.000 χ^2/NDF: 102365866.9/40

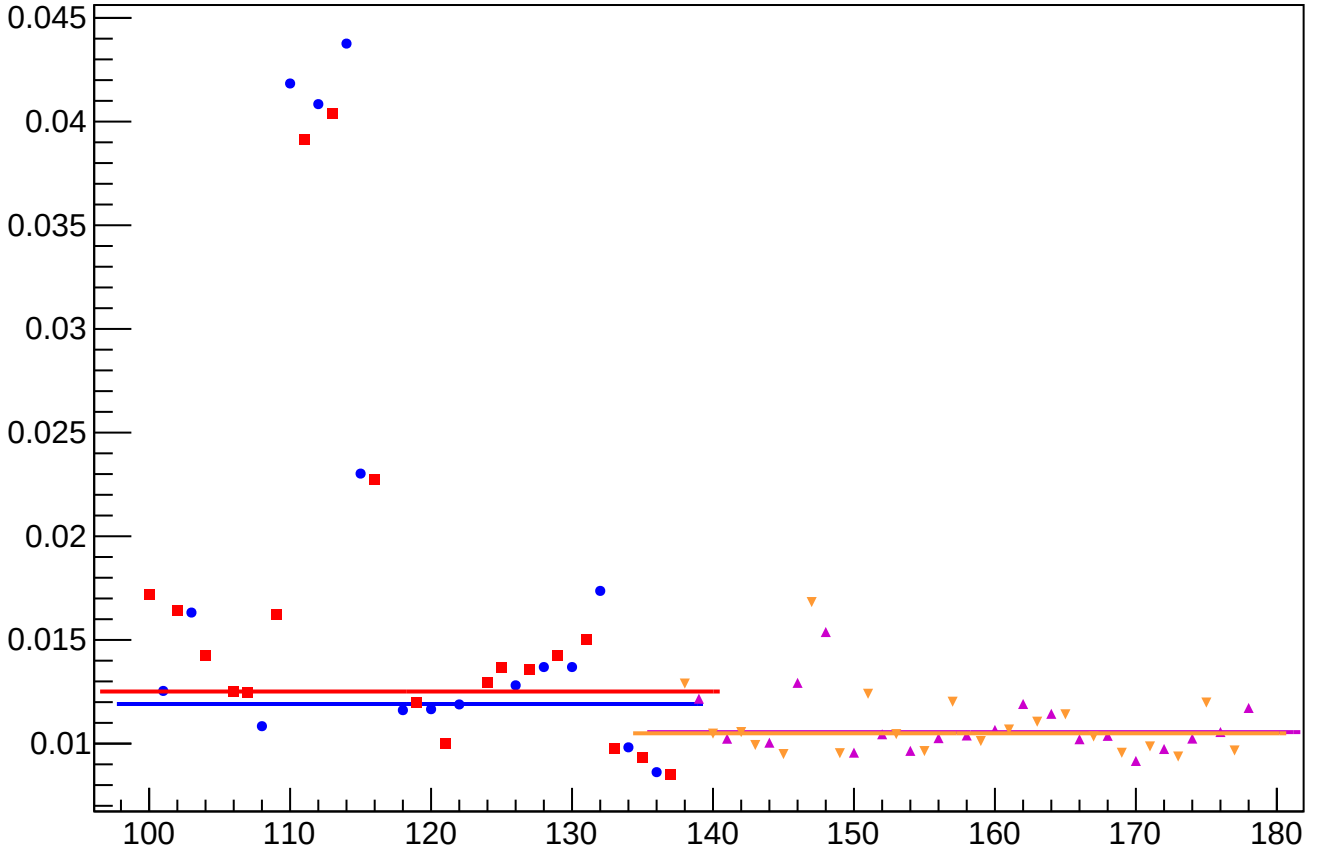
Right: 0.261+/-0.000 χ^2/NDF: 13295182324.5/34

In: 0.066+/-0.000 χ^2/NDF:8270674391.4/35

Out: 0.070+/-0.000 χ^2/NDF:9017703165.6/39

All: 0.068+/-0.000 χ^2/NDF: 17289865841.6/7

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:374463.2/19

Left: 0.011+/-0.000 χ^2/NDF: 859703.0/40

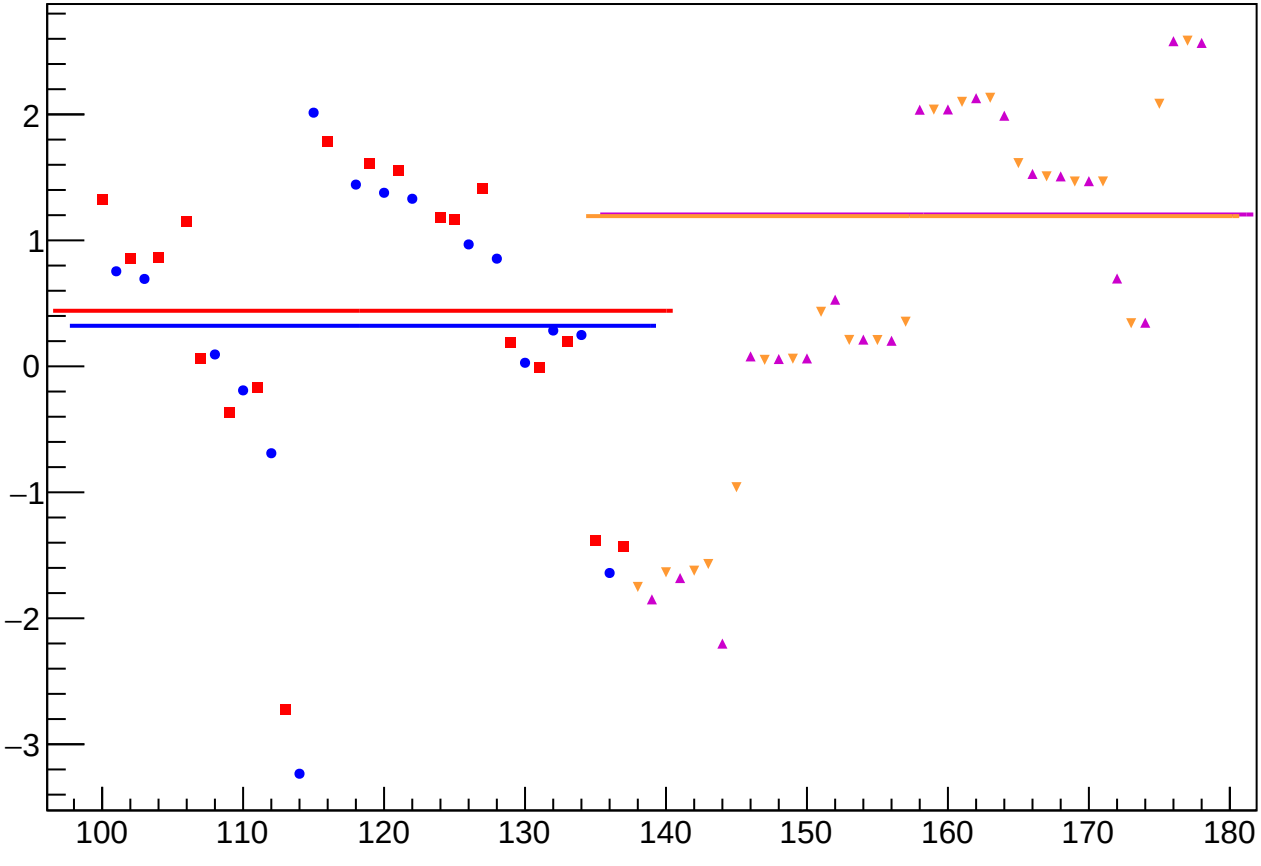
Right: 0.012+/-0.000 χ^2/NDF: 2866610.3/34

In: 0.011+/-0.000 χ^2/NDF:1952575.2/35

Out: 0.011+/-0.000 χ^2/NDF:2127133.5/39

All: 0.011+/-0.000 χ^2/NDF: 4080349.9/75

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: 1.205+/-0.000 χ^2/NDF:48495730687.7/19

Left: 1.199+/-0.000 χ^2/NDF: 88818488428.1/40

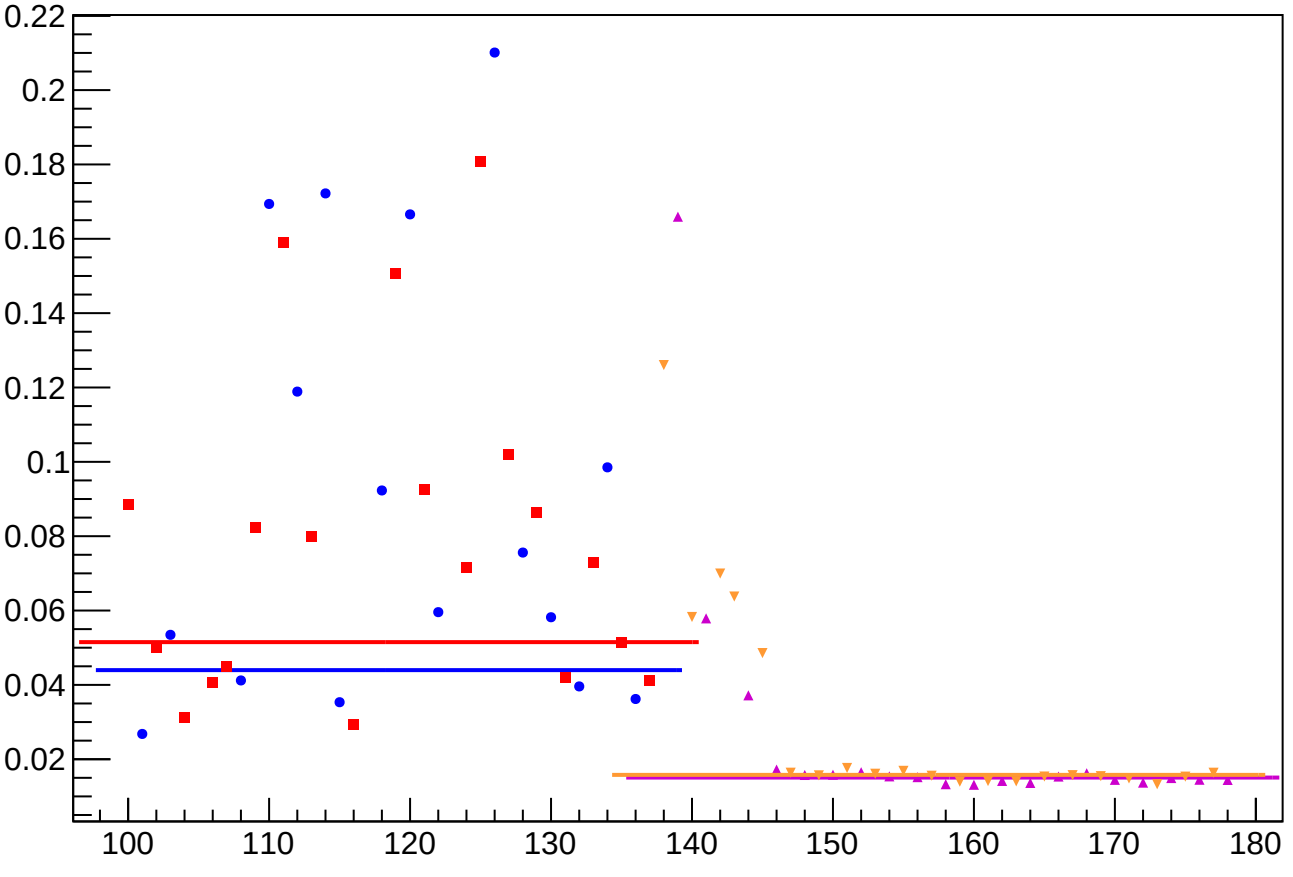
Right: 0.376+/-0.000 χ^2/NDF: 3474475474.1/34

In: 1.174+/-0.000 χ^2/NDF:51654886152.7/35

Out: 1.168+/-0.000 χ^2/NDF:43014344925.5/39

All: 1.171+/-0.000 χ^2/NDF: 94670141295.2/7

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:2174399.6/19

Left: 0.015+/-0.000 χ^2/NDF: 5146202.7/40

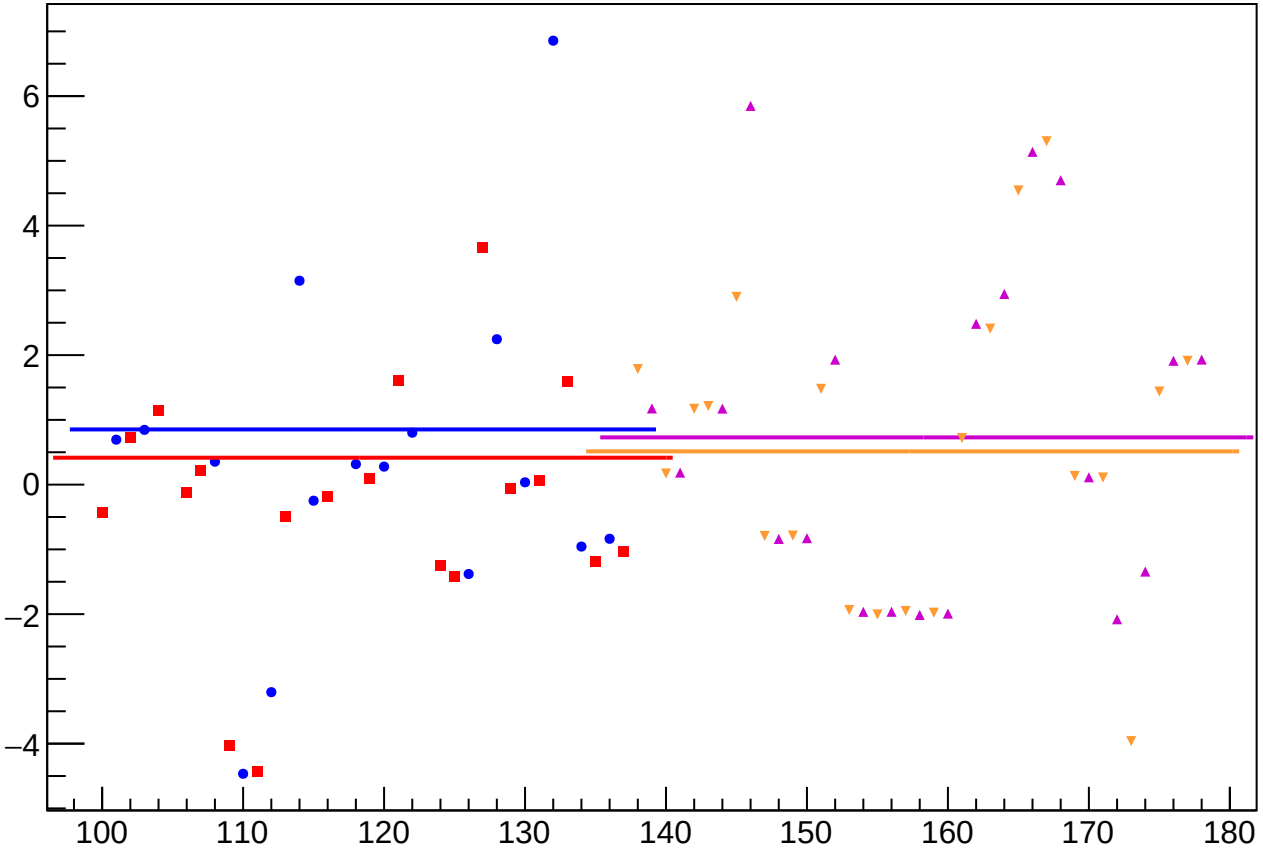
Right: 0.047+/-0.000 χ^2/NDF: 5257025.7/34

In: 0.016+/-0.000 χ^2/NDF:8159672.2/35

Out: 0.017+/-0.000 χ^2/NDF:9374118.4/39

All: 0.017+/-0.000 χ^2/NDF: 17572517.0/75

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: 0.730+/-0.000 χ^2/NDF:607894548095.1/19

Left: 0.625+/-0.000 χ^2/NDF: 1124281715957.5/40

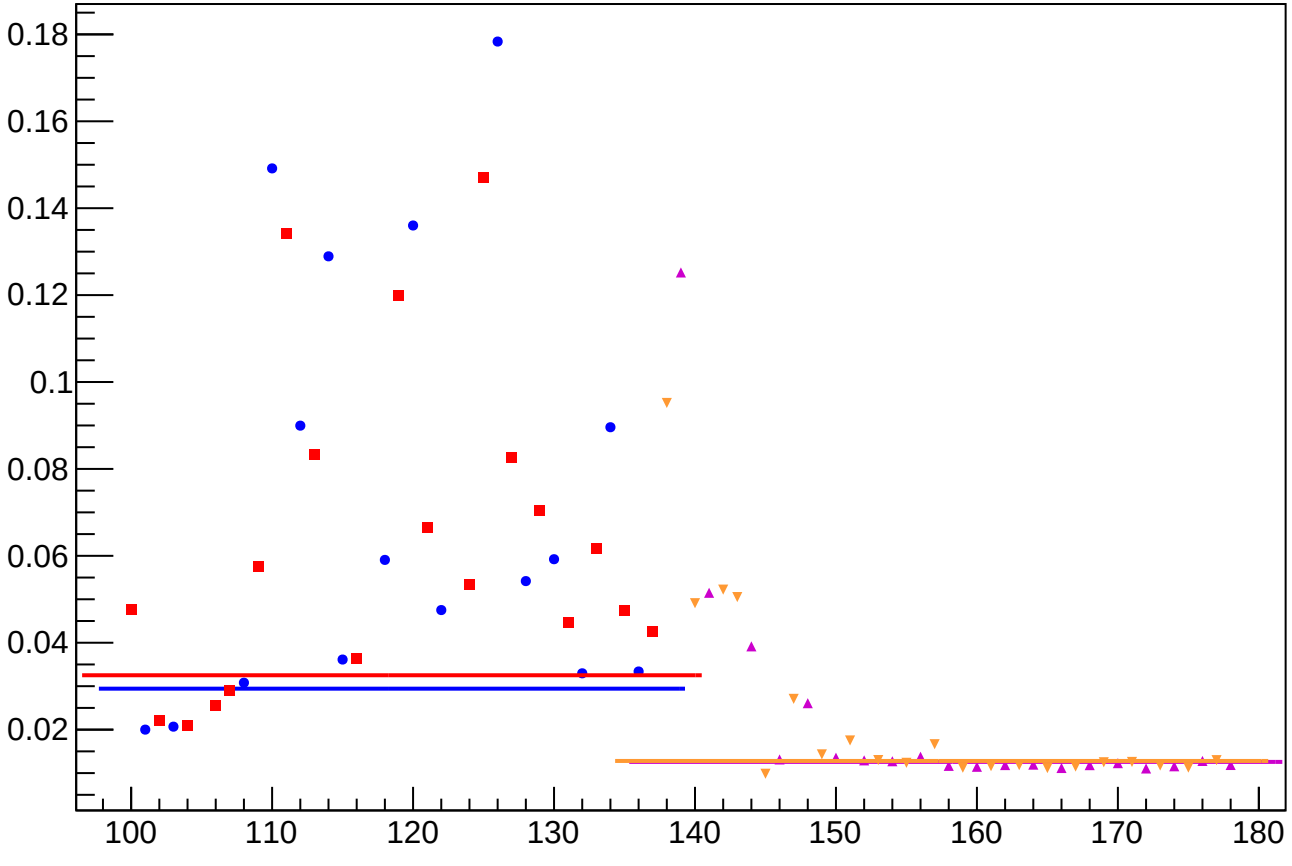
Right: 0.644+/-0.000 χ^2/NDF: 17086077865.4/34

In: 0.735+/-0.000 χ^2/NDF:619531848172.7/35

Out: 0.509+/-0.000 χ^2/NDF:519619371224.6/39

All: 0.625+/-0.000 χ^2/NDF: 1141370665980.

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:2739942.8/19

Left: 0.013+/-0.000 χ^2/NDF: 5906019.1/40

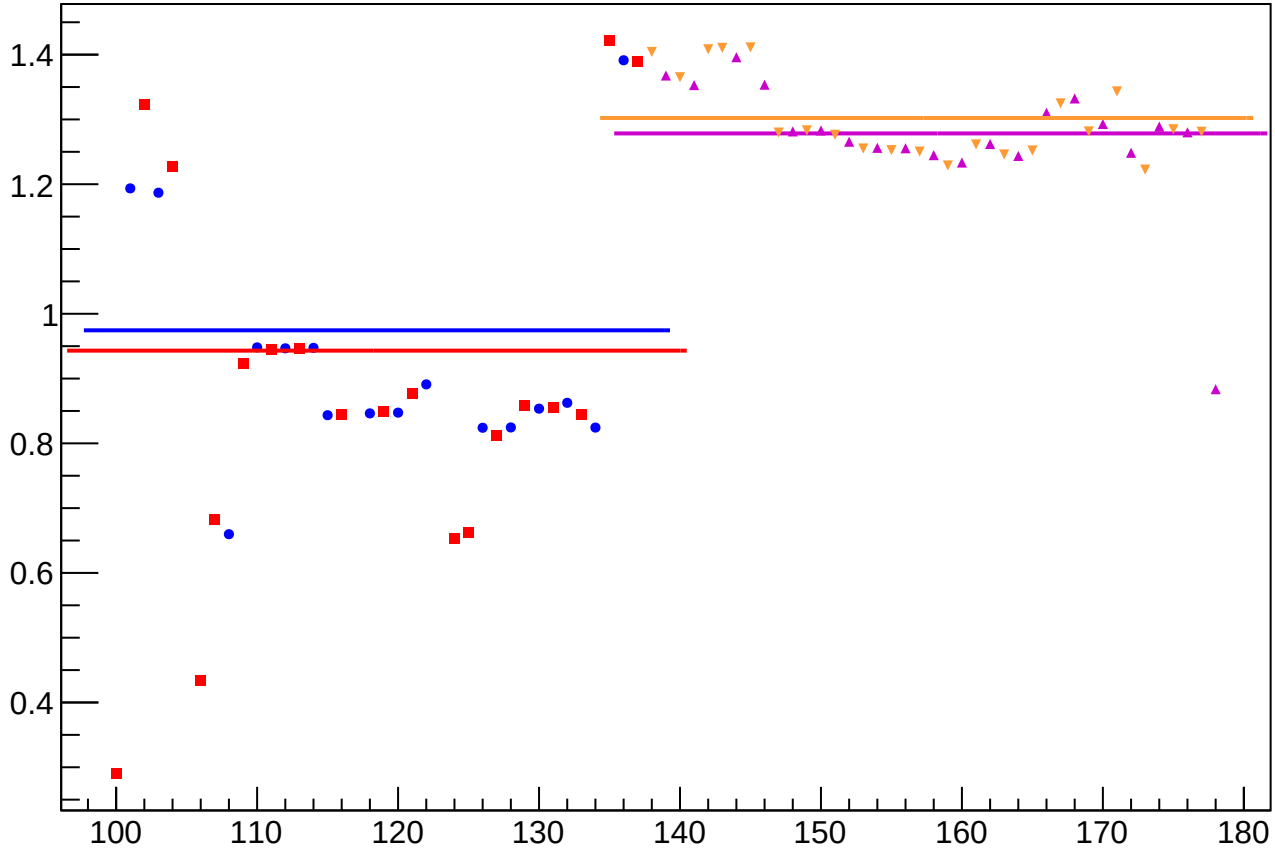
Right: 0.031+/-0.000 χ^2/NDF: 6546669.2/34

In: 0.013+/-0.000 χ^2/NDF:8236088.2/35

Out: 0.014+/-0.000 χ^2/NDF:9372708.1/39

All: 0.014+/-0.000 χ^2/NDF: 17617910.7/75

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: 1.278+/-0.000 χ^2/NDF:662794639.4/19

Left: 1.291+/-0.000 χ^2/NDF: 984657732.4/40

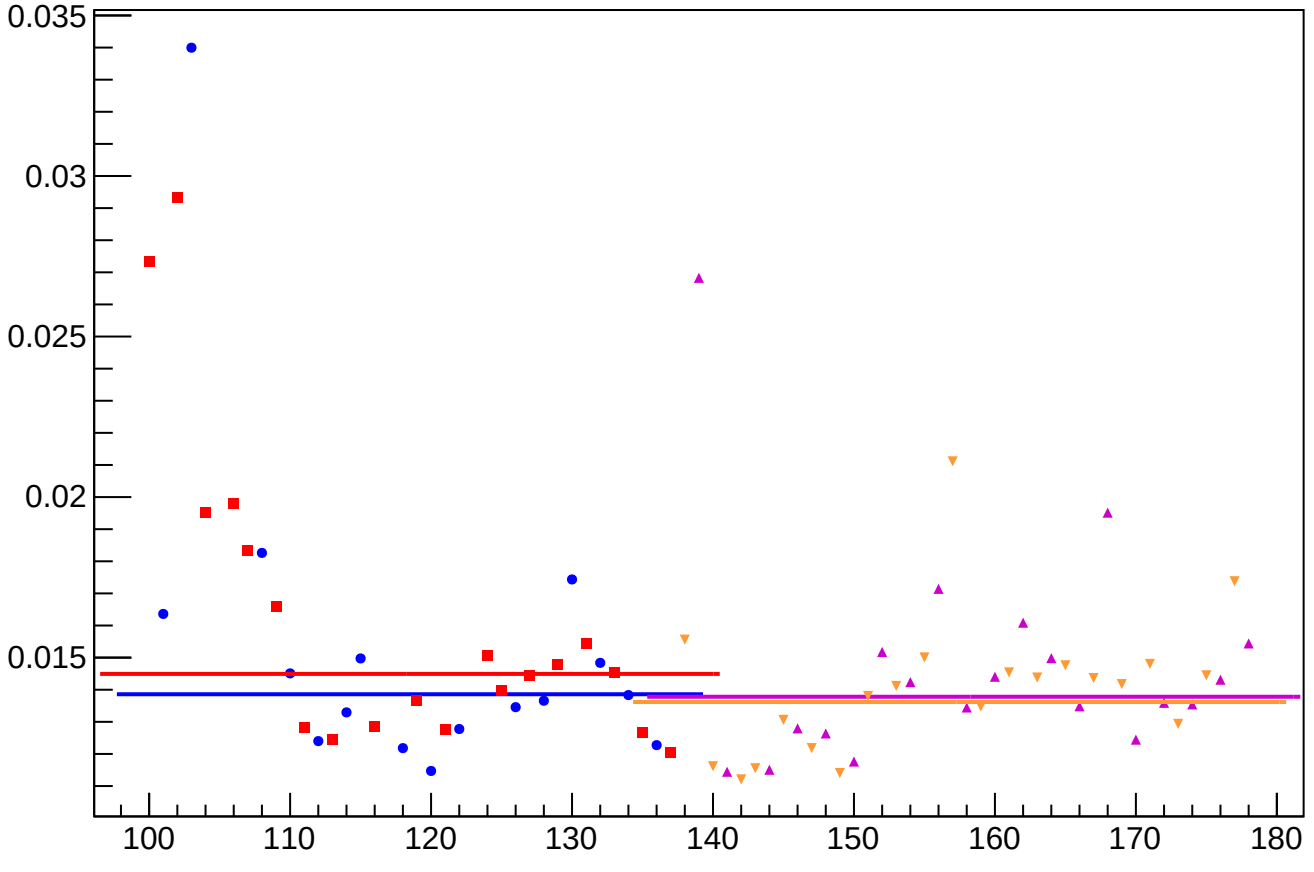
Right: 0.959+/-0.000 χ^2/NDF: 3144762694.7/34

In: 1.187+/-0.000 χ^2/NDF:4216115804.0/35

Out: 1.201+/-0.000 χ^2/NDF:4800652741.9/39

All: 1.194+/-0.000 χ^2/NDF: 9027180602.9/75

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:862336.0/19

Left: 0.014+/-0.000 χ^2/NDF: 1369301.6/40

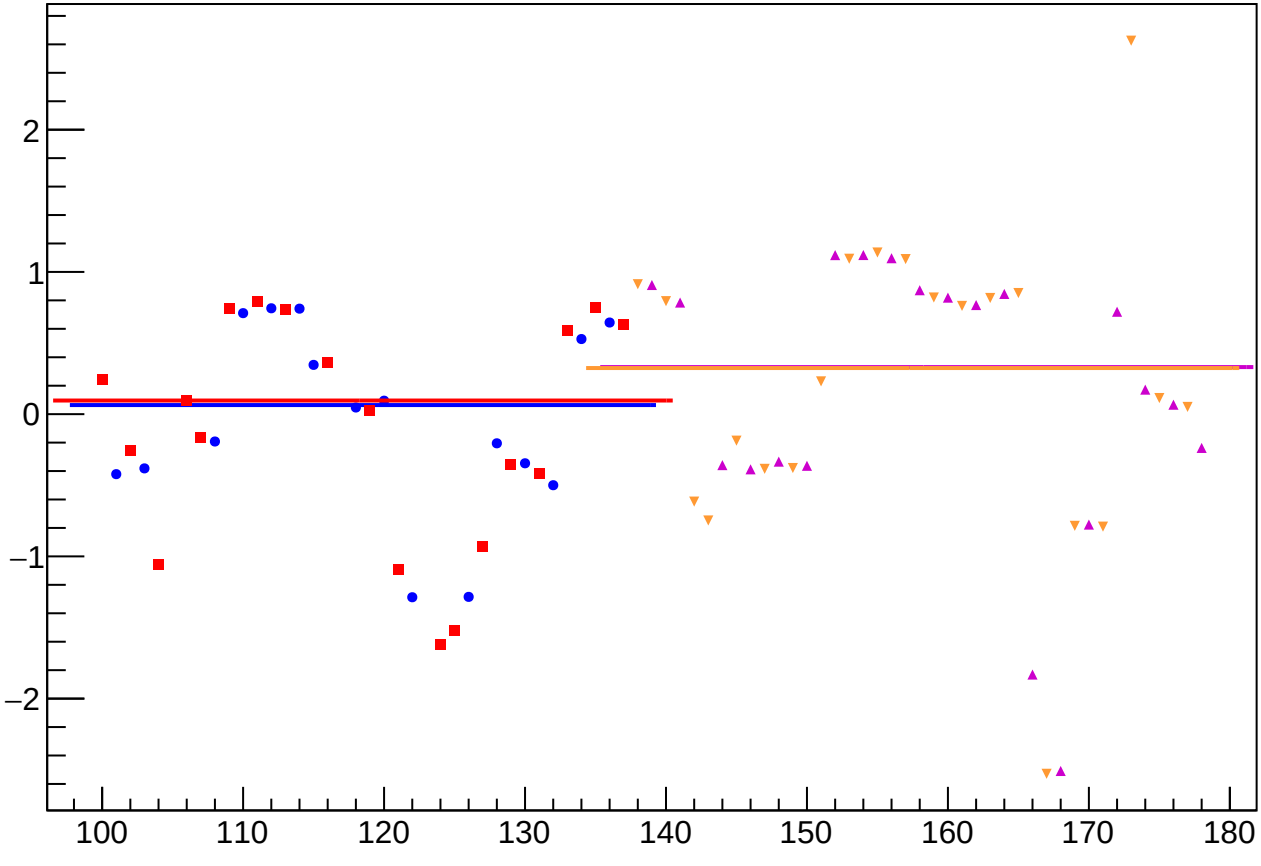
Right: 0.014+/-0.000 χ^2/NDF: 1156942.1/34

In: 0.014+/-0.000 χ^2/NDF:1462590.0/35

Out: 0.014+/-0.000 χ^2/NDF:1082850.5/39

All: 0.014+/-0.000 χ^2/NDF: 2545823.5/75

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: 0.331+/-0.000 χ^2/NDF:86623506025.0/19

Left: 0.328+/-0.000 χ^2/NDF: 187116612891.9/40

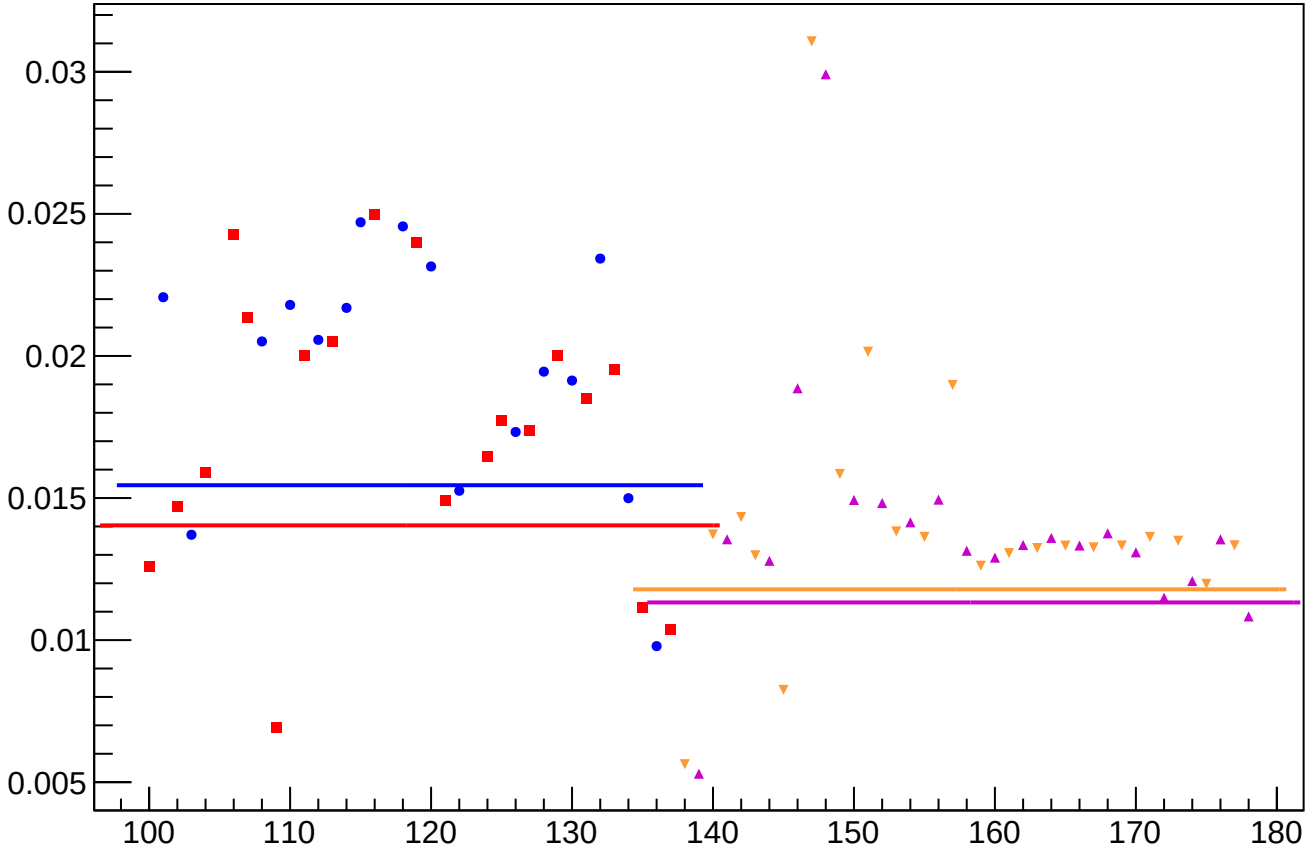
Right: 0.081+/-0.000 χ^2/NDF: 28834701842.2/34

In: 0.280+/-0.000 χ^2/NDF:99111390346.4/35

Out: 0.273+/-0.000 χ^2/NDF:119479306184.1/39

All: 0.276+/-0.000 χ^2/NDF: 218594259341.7

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:3612713.2/19

Left: 0.012+/-0.000 χ^2/NDF: 6857064.2/40

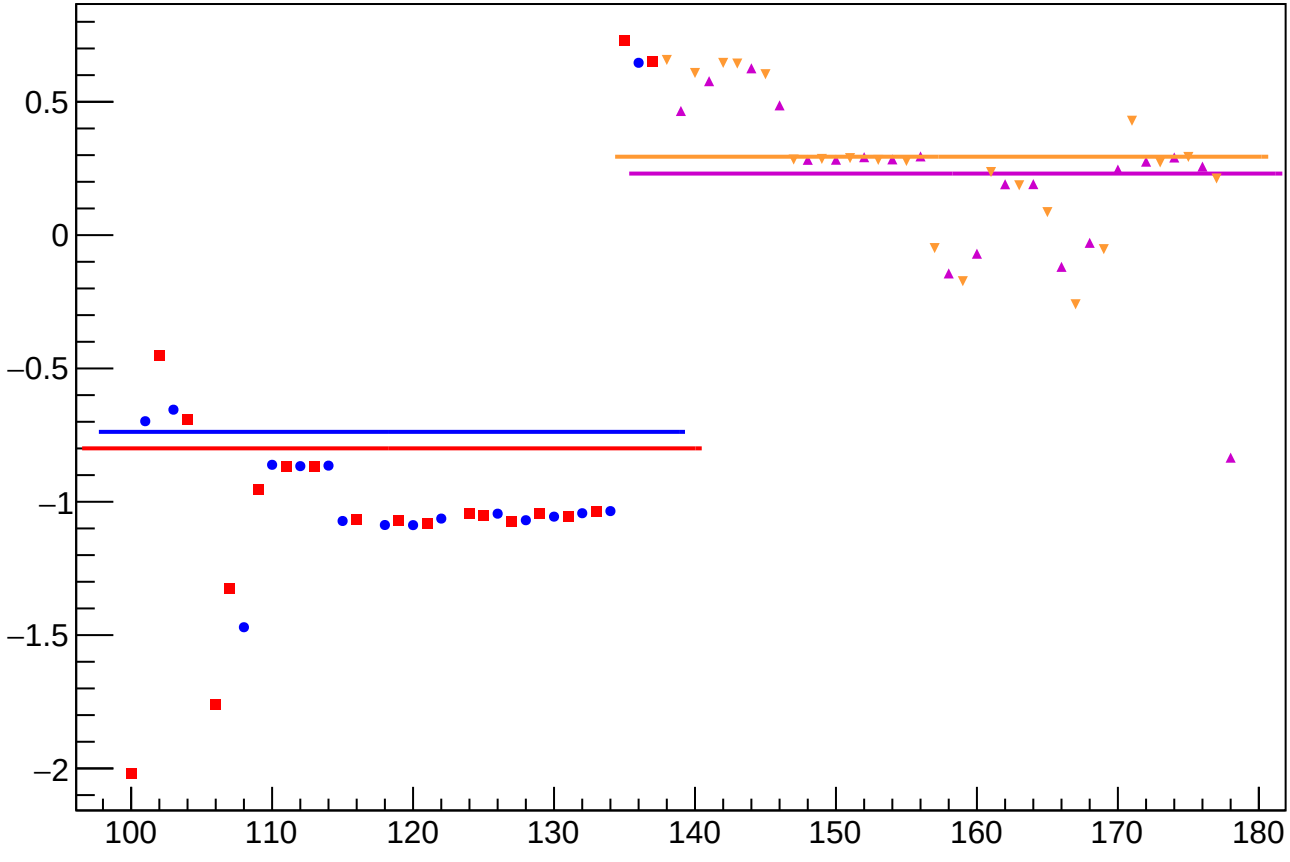
Right: 0.015+/-0.000 χ^2/NDF: 3034802.2/34

In: 0.012+/-0.000 χ^2/NDF:5598963.4/35

Out: 0.012+/-0.000 χ^2/NDF:5142783.7/39

All: 0.012+/-0.000 χ^2/NDF: 10746038.3/75

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: 0.231+/-0.000 χ^2/NDF:1049282119.8/19

Left: 0.263+/-0.000 χ^2/NDF: 1822222546.6/40

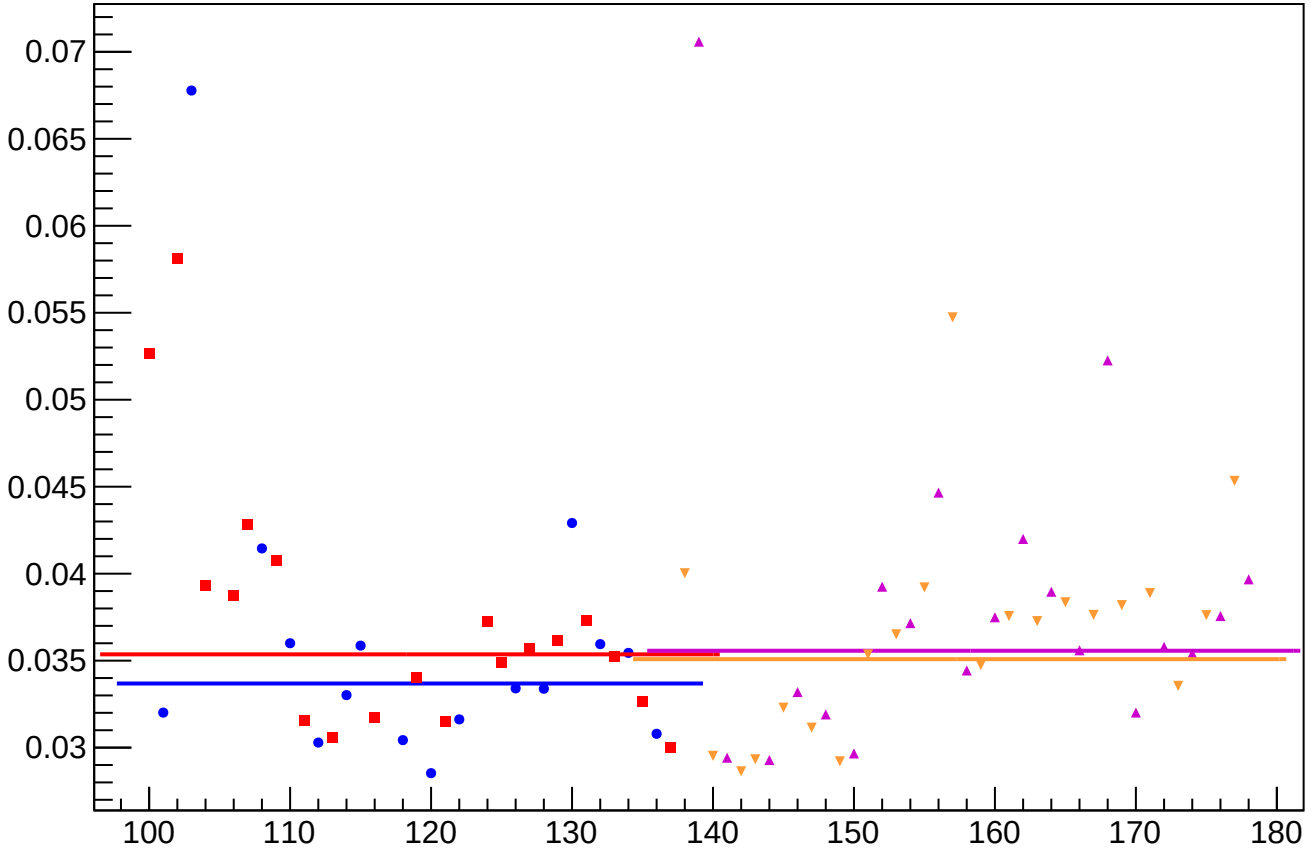
Right: -0.768+/-0.000 χ^2/NDF: 3966960462.4/34

In: -0.089+/-0.000 χ^2/NDF:6611429900.1/35

Out: -0.042+/-0.000 χ^2/NDF:6918533896.4/39

All: -0.066+/-0.000 χ^2/NDF: 13548604318.6/

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: 0.036+/-0.000 χ^2/NDF:949743.6/19

Left: 0.035+/-0.000 χ^2/NDF: 1520442.7/40

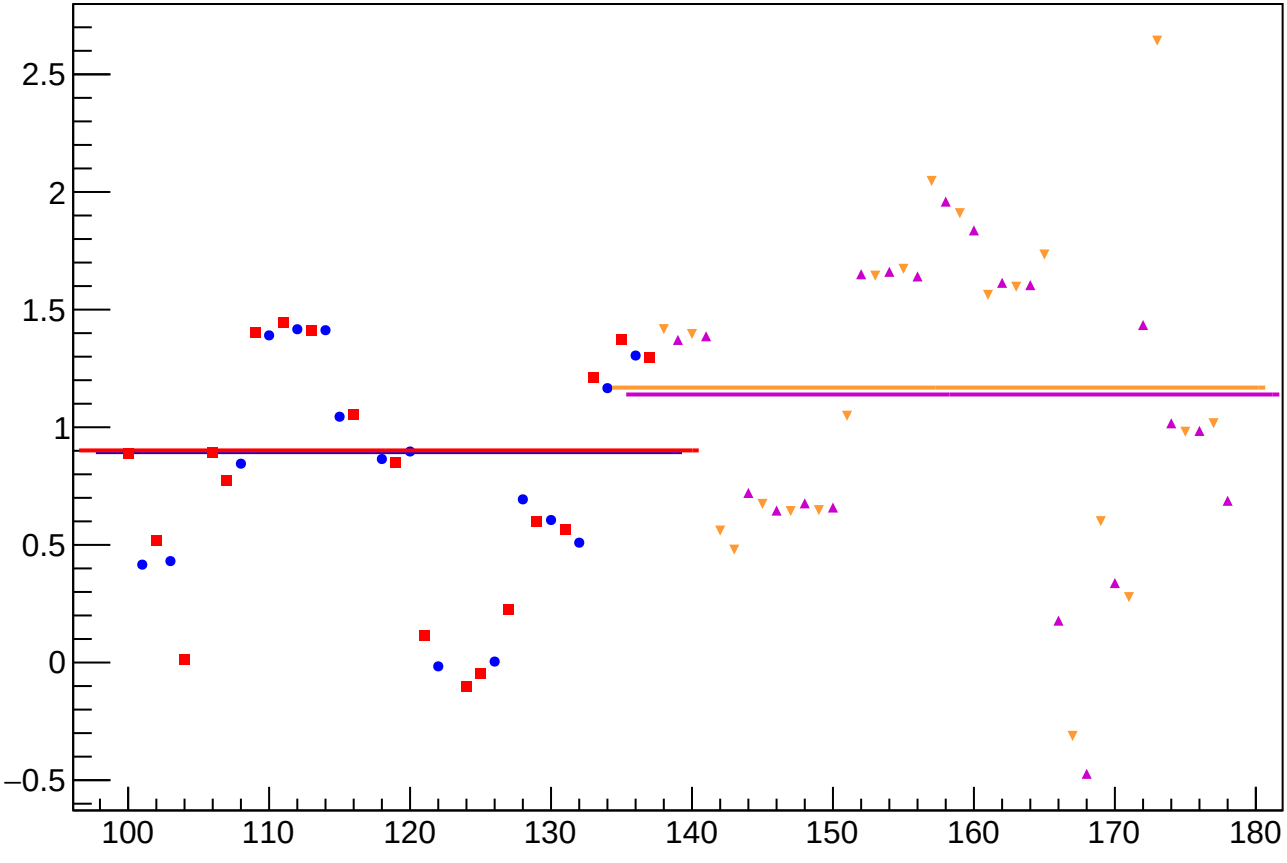
Right: 0.034+/-0.000 χ^2/NDF: 731644.4/34

In: 0.035+/-0.000 χ^2/NDF:1396359.6/35

Out: 0.035+/-0.000 χ^2/NDF:864931.9/39

All: 0.035+/-0.000 χ^2/NDF: 2262140.1/75

yield_bpm12Y_mean vs Slug, Sign Corrected



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: 1.139+/-0.000 χ^2/NDF:68563501970.8/19

Left: 1.154+/-0.000 χ^2/NDF: 154629373176.8/40

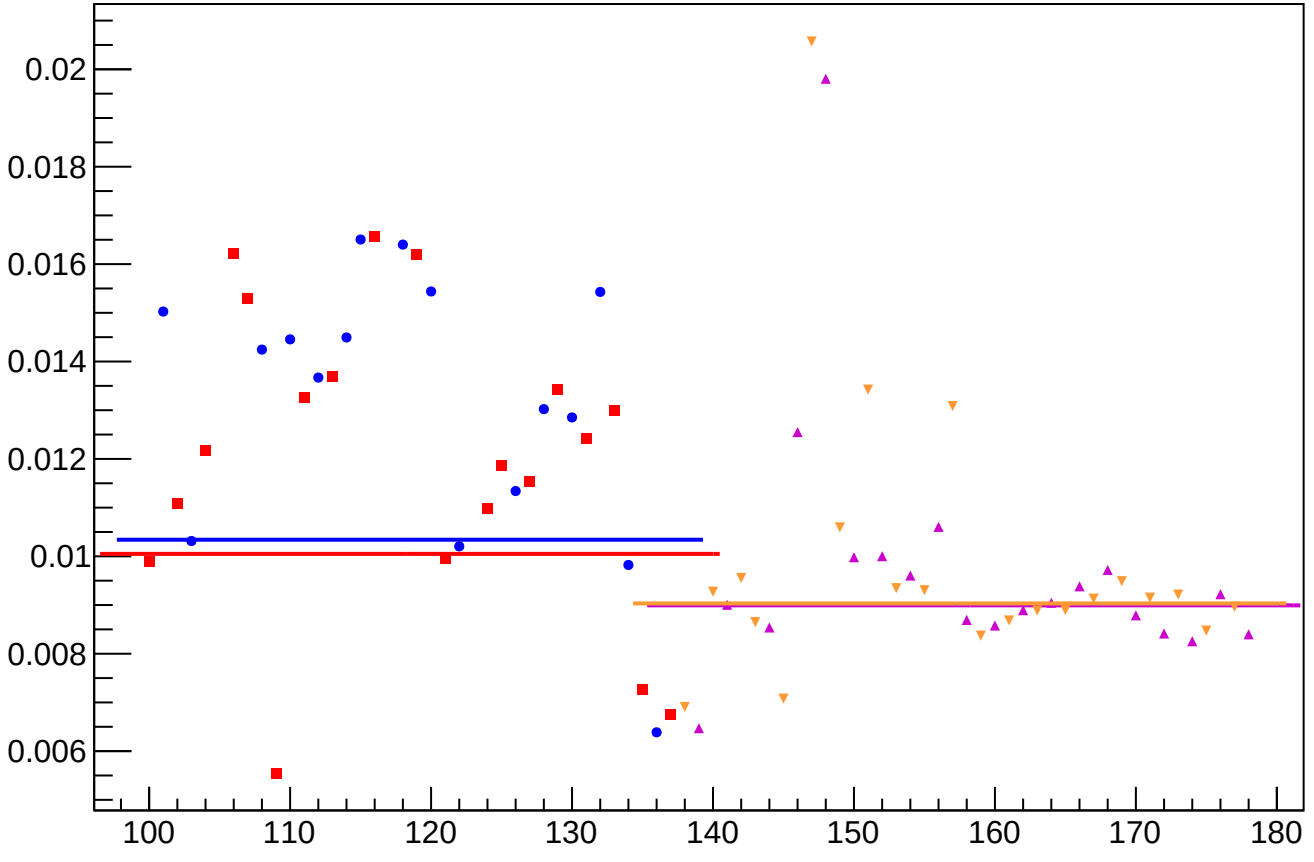
Right: 0.898+/-0.000 χ^2/NDF: 30644277544.6/34

In: 1.083+/-0.000 χ^2/NDF:83887062334.2/35

Out: 1.104+/-0.000 χ^2/NDF:107137486677.7/39

All: 1.094+/-0.000 χ^2/NDF: 191080387600.3

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:960498.5/19

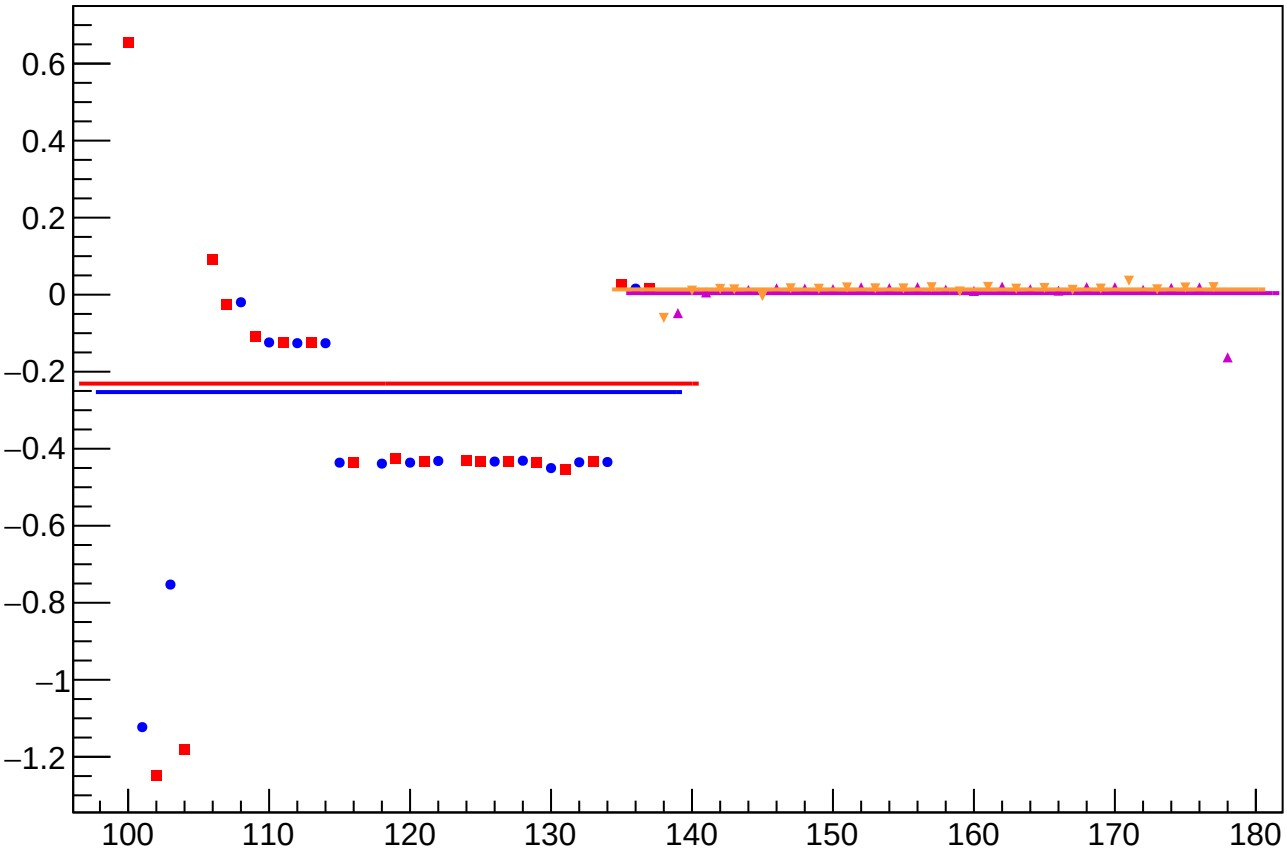
Left: 0.009+/-0.000 χ^2/NDF: 2096413.3/40

Right: 0.010+/-0.000 χ^2/NDF: 2692207.1/34

In: 0.009+/-0.000 χ^2/NDF:2466784.7/35

Out: 0.009+/-0.000 χ^2/NDF:2566981.6/39

All: 0.009+/-0.000 χ^2/NDF: 5033920.5/75



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: 0.004+/-0.000 χ^2/NDF:269604998.6/19

Left: 0.009+/-0.000 χ^2/NDF: 304389161.7/40

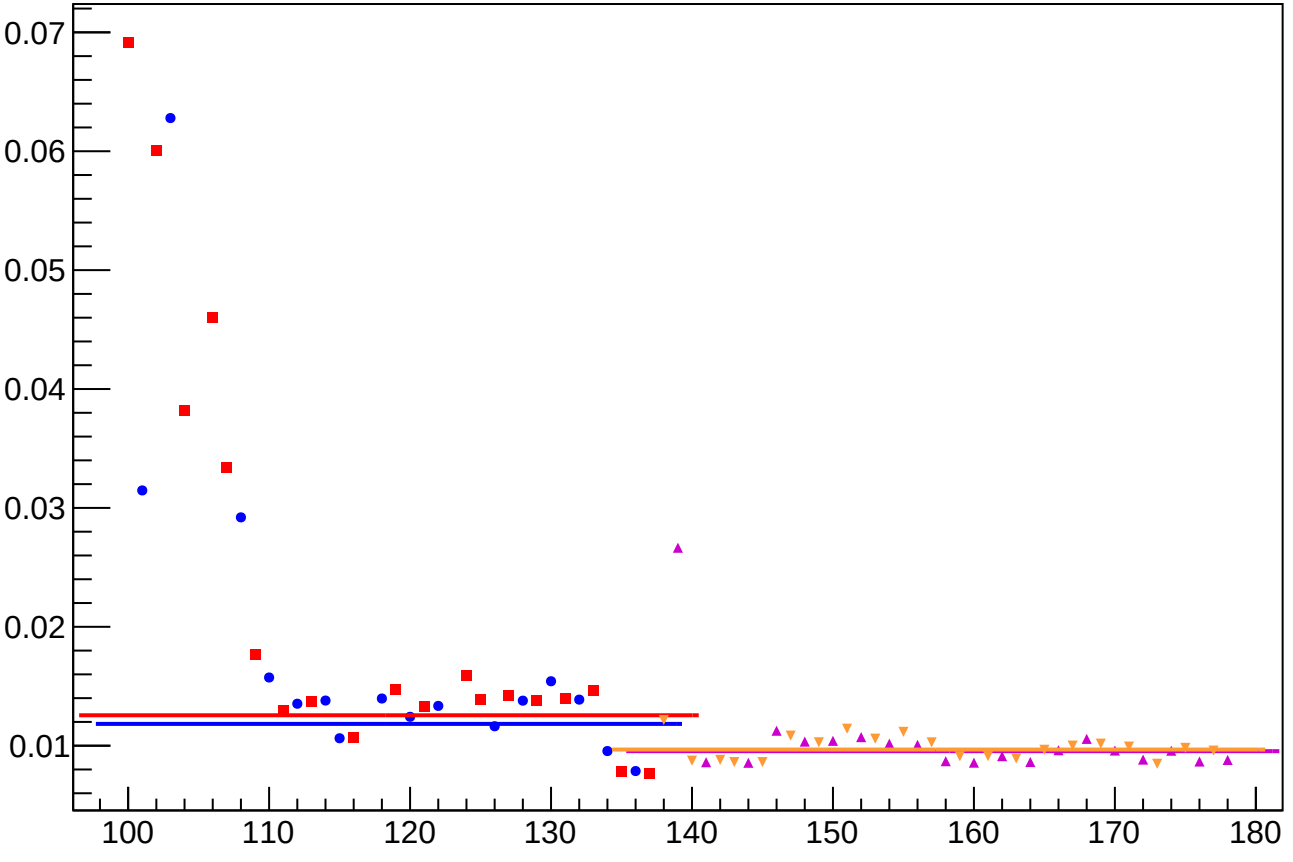
Right: -0.243+/-0.000 χ^2/NDF: 3842049612.8/34

In: -0.046+/-0.000 χ^2/NDF:4186623658.4/35

Out: -0.029+/-0.000 χ^2/NDF:3403058741.6/39

All: -0.037+/-0.000 χ^2/NDF: 7614160595.9/7

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:892152.2/19

Left: 0.010+/-0.000 χ^2/NDF: 1149258.8/40

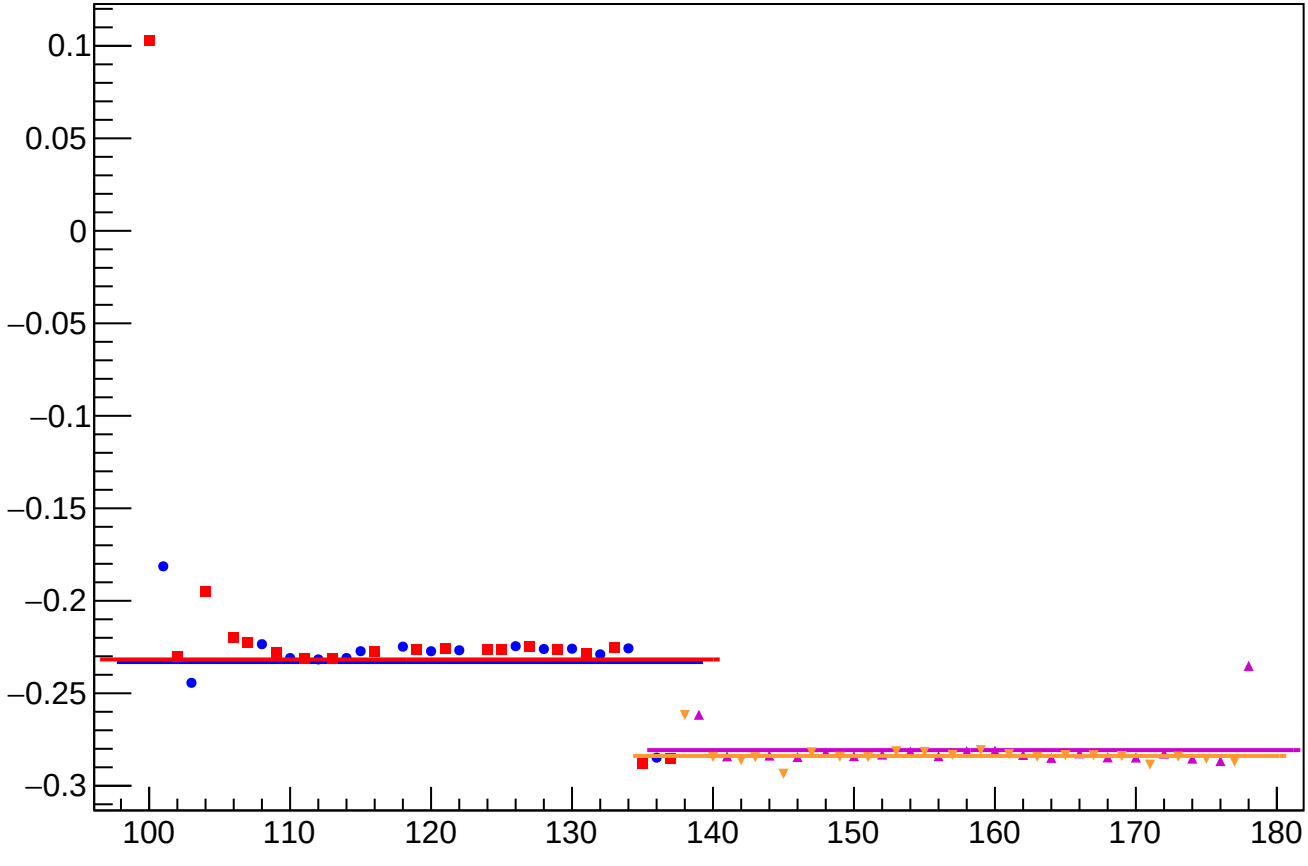
Right: 0.012+/-0.000 χ^2/NDF: 4177625.3/34

In: 0.010+/-0.000 χ^2/NDF:3136099.2/35

Out: 0.010+/-0.000 χ^2/NDF:2907226.7/39

All: 0.010+/-0.000 χ^2/NDF: 6050488.1/75

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: -0.281+/-0.000 χ^2/NDF:66392150.7/19

Left: -0.282+/-0.000 χ^2/NDF: 85571169.0/40

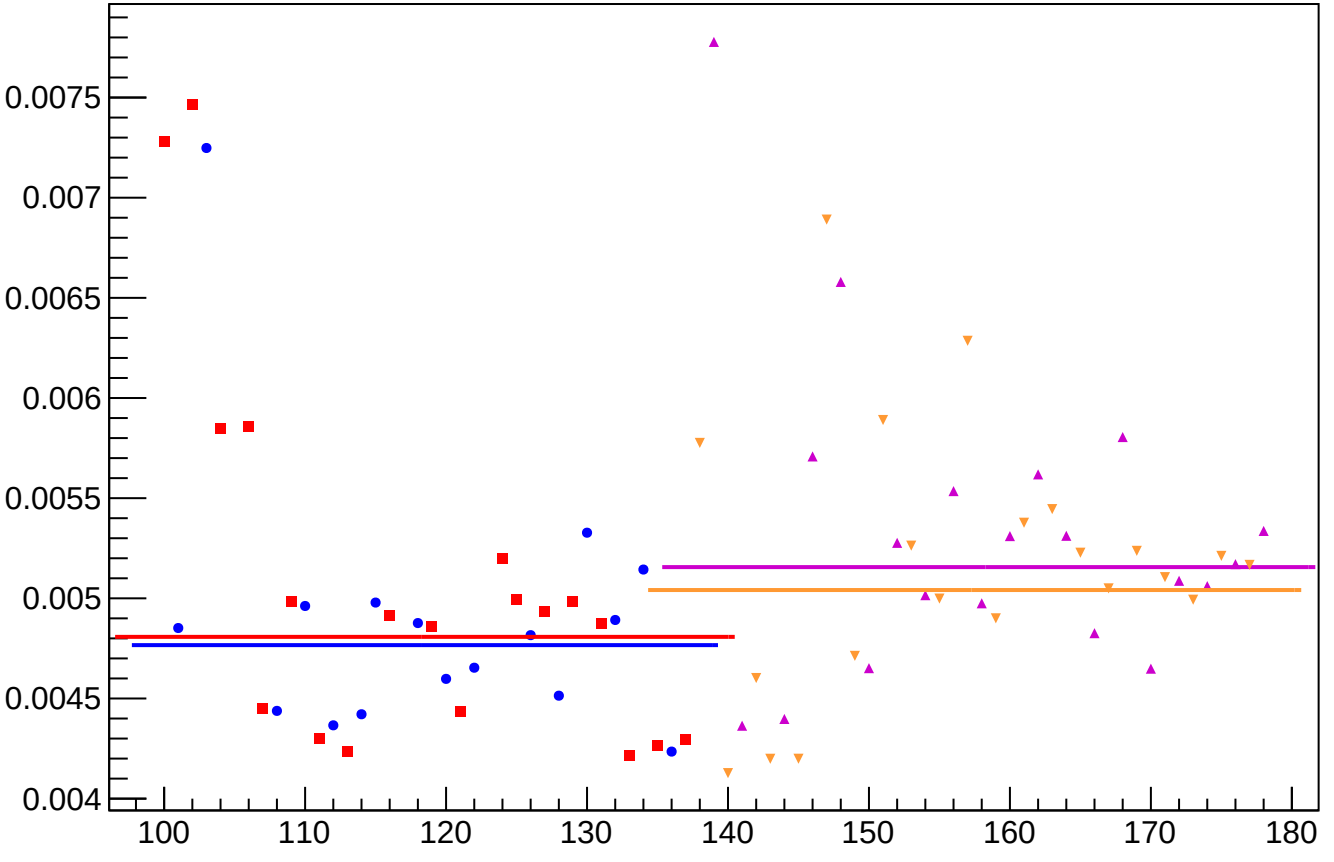
Right: -0.232+/-0.000 χ^2/NDF: 486580881.0/34

In: -0.265+/-0.000 χ^2/NDF:695686198.1/35

Out: -0.267+/-0.000 χ^2/NDF:838493405.0/39

All: -0.266+/-0.000 χ^2/NDF: 1536086710.2/7

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:465725.8/19

Left: 0.005+/-0.000 χ^2/NDF: 932907.0/40

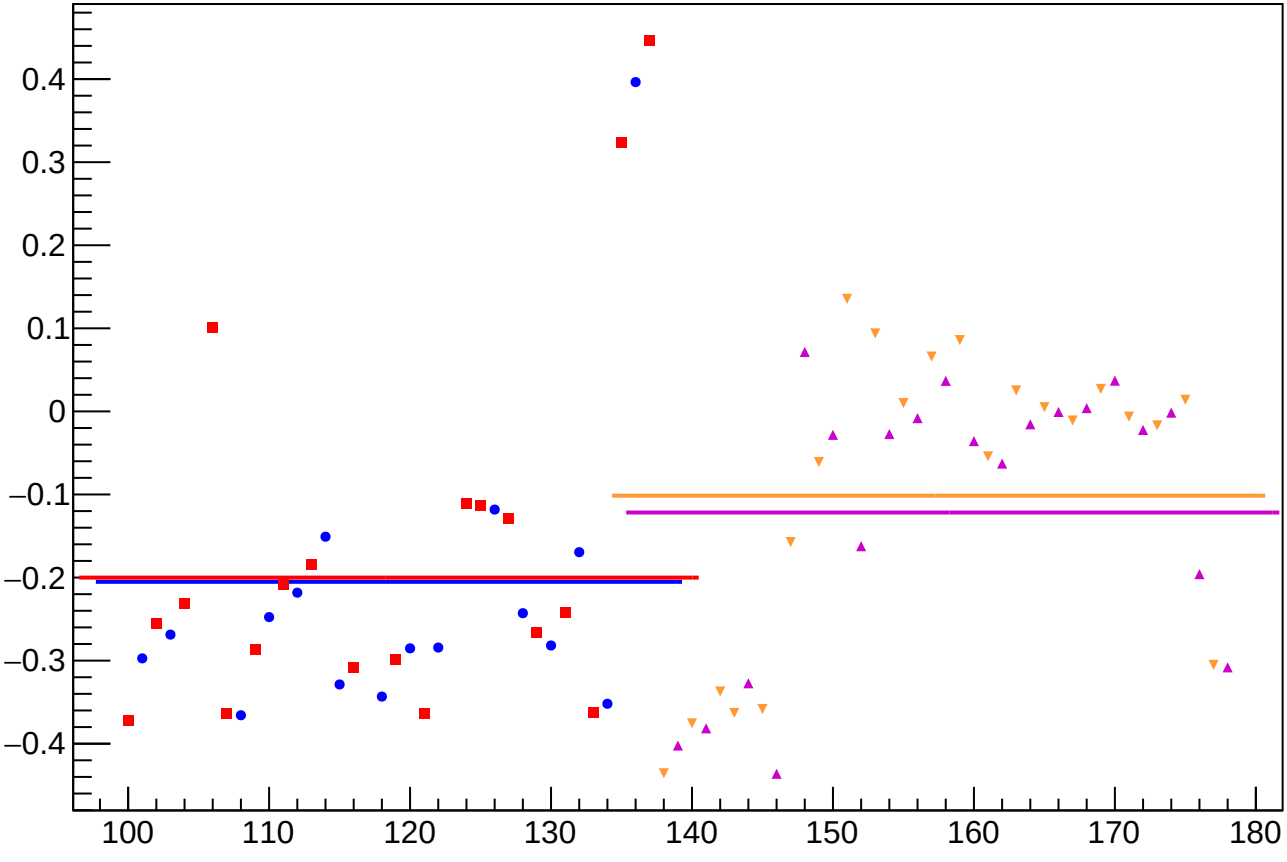
Right: 0.005+/-0.000 χ^2/NDF: 485985.9/34

In: 0.005+/-0.000 χ^2/NDF:715069.6/35

Out: 0.005+/-0.000 χ^2/NDF:774652.1/39

All: 0.005+/-0.000 χ^2/NDF: 1493004.8/75

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: -0.122+/-0.000 χ^2/NDF:13371101251.4/19

Left: -0.111+/-0.000 χ^2/NDF: 31191045199.6/40

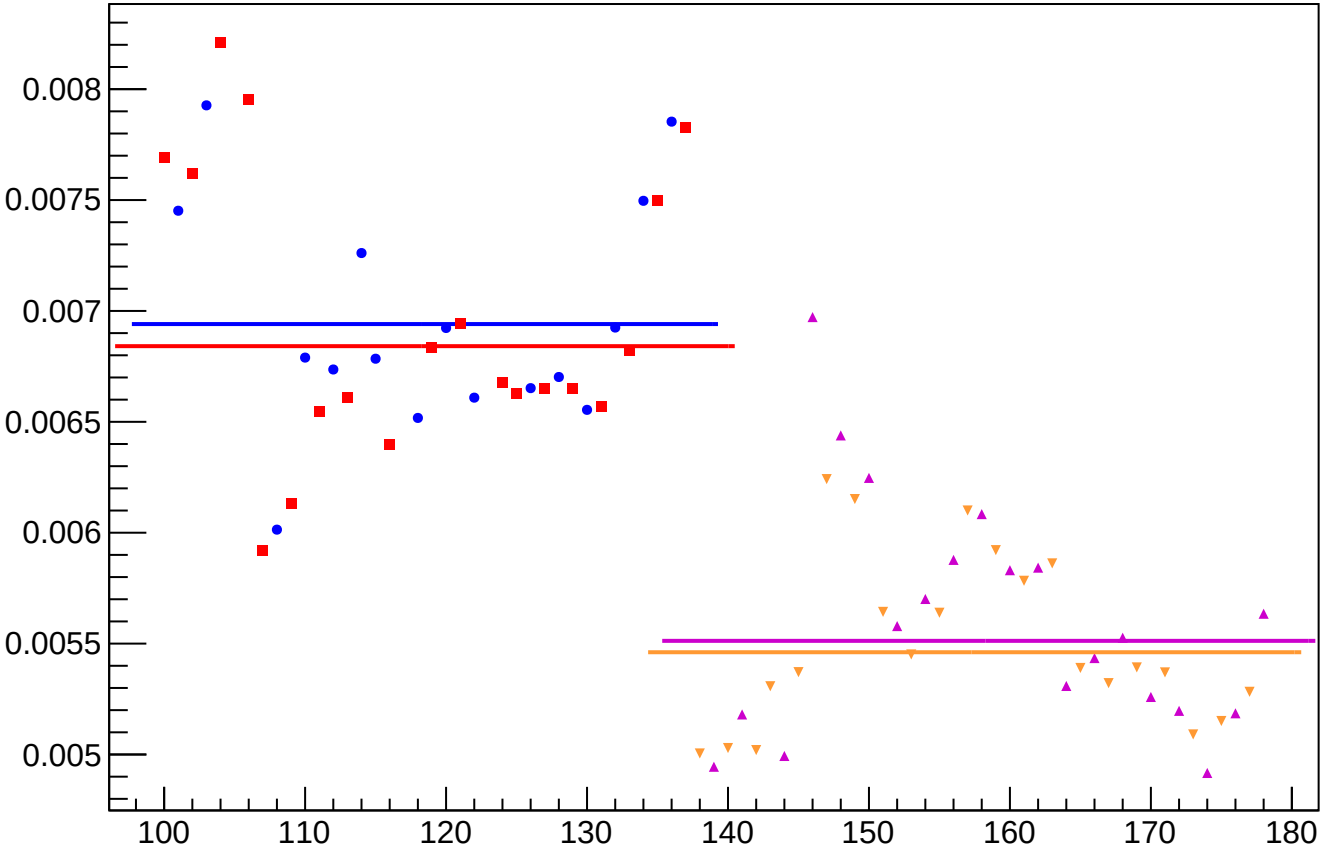
Right: -0.203+/-0.000 χ^2/NDF: 11441176033.3/34

In: -0.140+/-0.000 χ^2/NDF:20348503776.3/35

Out: -0.124+/-0.000 χ^2/NDF:24124188061.8/39

All: -0.132+/-0.000 χ^2/NDF: 44565437920.9/

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:235991.1/19

Left: 0.005+/-0.000 χ^2/NDF: 371272.0/40

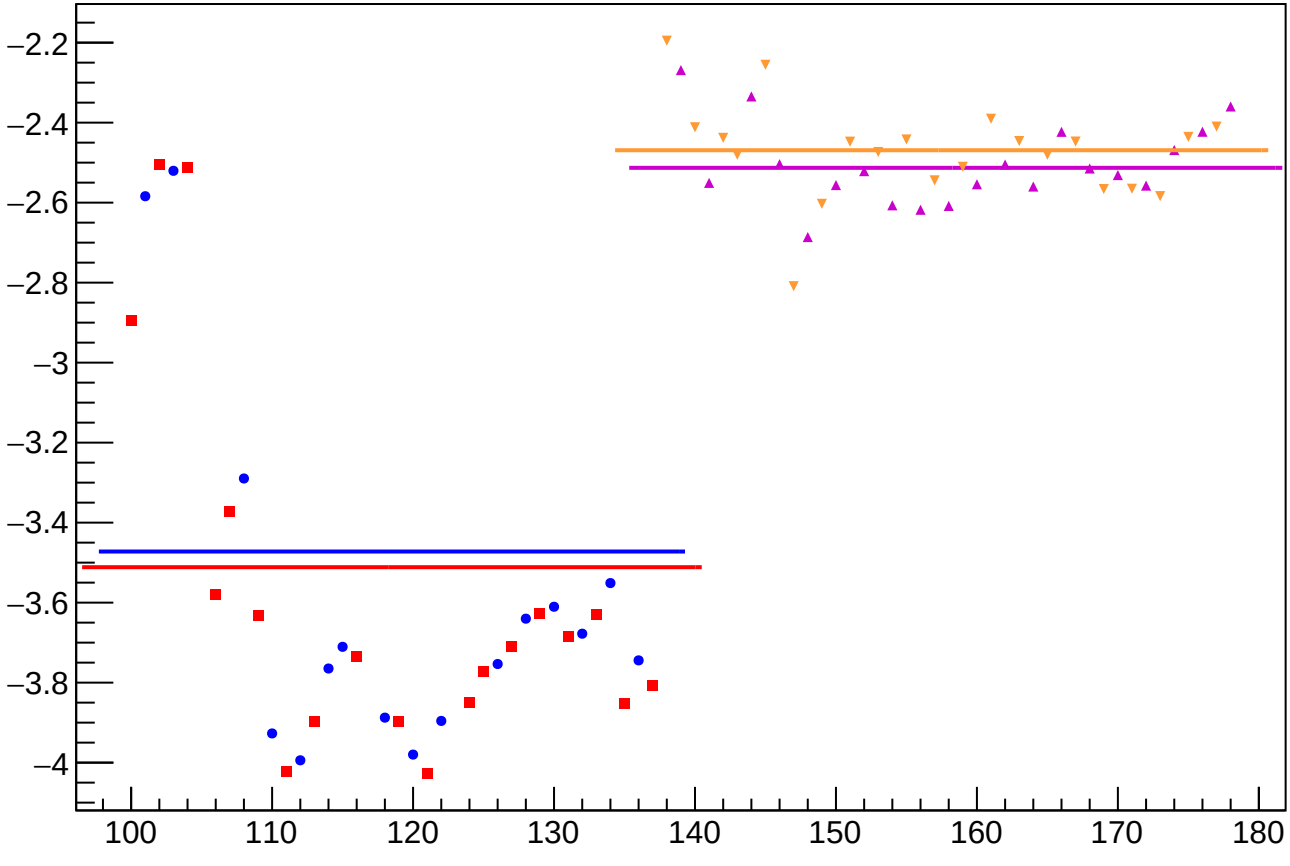
Right: 0.007+/-0.000 χ^2/NDF: 186467.2/34

In: 0.006+/-0.000 χ^2/NDF:783296.4/35

Out: 0.006+/-0.000 χ^2/NDF:688256.1/39

All: 0.006+/-0.000 χ^2/NDF: 1473953.3/75

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: -2.513+/-0.000 χ^2/NDF:1811486815.6/19

Left: -2.491+/-0.000 χ^2/NDF: 4119788144.3/40

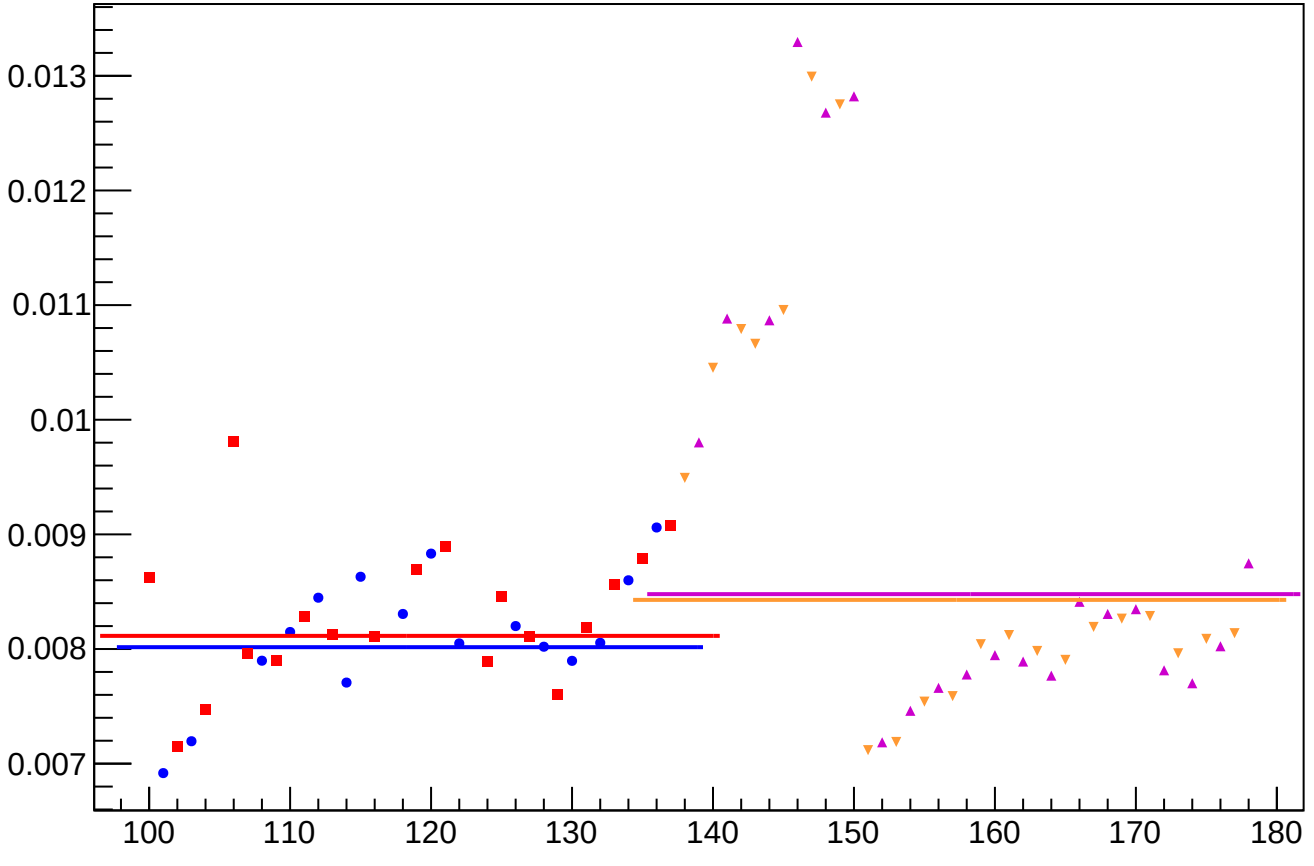
Right: -3.492+/-0.000 χ^2/NDF: 59392057159.0/34

In: -2.840+/-0.000 χ^2/NDF:97378134817.1/35

Out: -2.815+/-0.000 χ^2/NDF:110261249305.8/39

All: -2.827+/-0.000 χ^2/NDF: 207738466898.0

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:890162.0/19

Left: 0.008+/-0.000 χ^2/NDF: 1651856.0/40

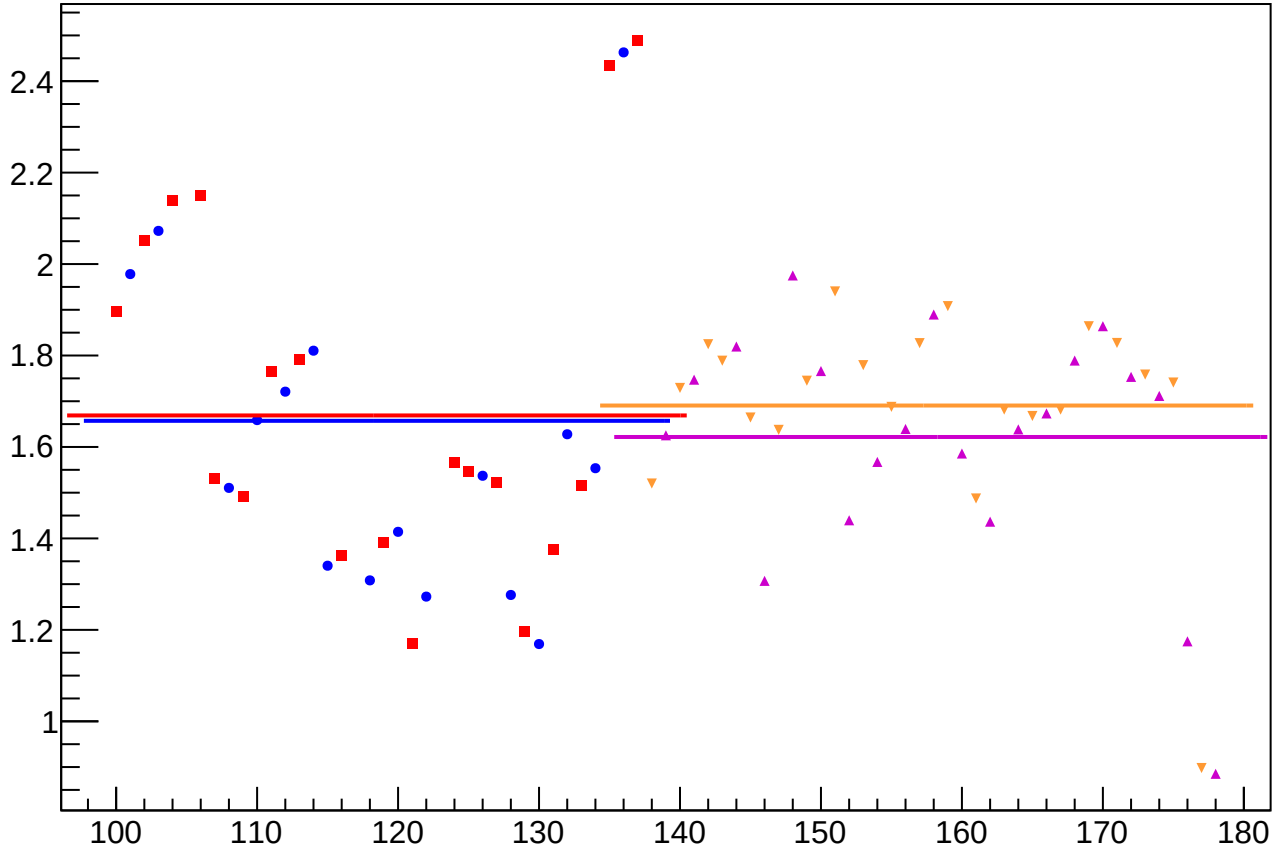
Right: 0.008+/-0.000 χ^2/NDF: 158353.0/34

In: 0.008+/-0.000 χ^2/NDF:1007089.8/35

Out: 0.008+/-0.000 χ^2/NDF:846457.9/39

All: 0.008+/-0.000 χ^2/NDF: 1853551.2/75

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: 1.622+/-0.000 χ^2/NDF:8004624900.0/19

Left: 1.657+/-0.000 χ^2/NDF: 14913371313.1/40

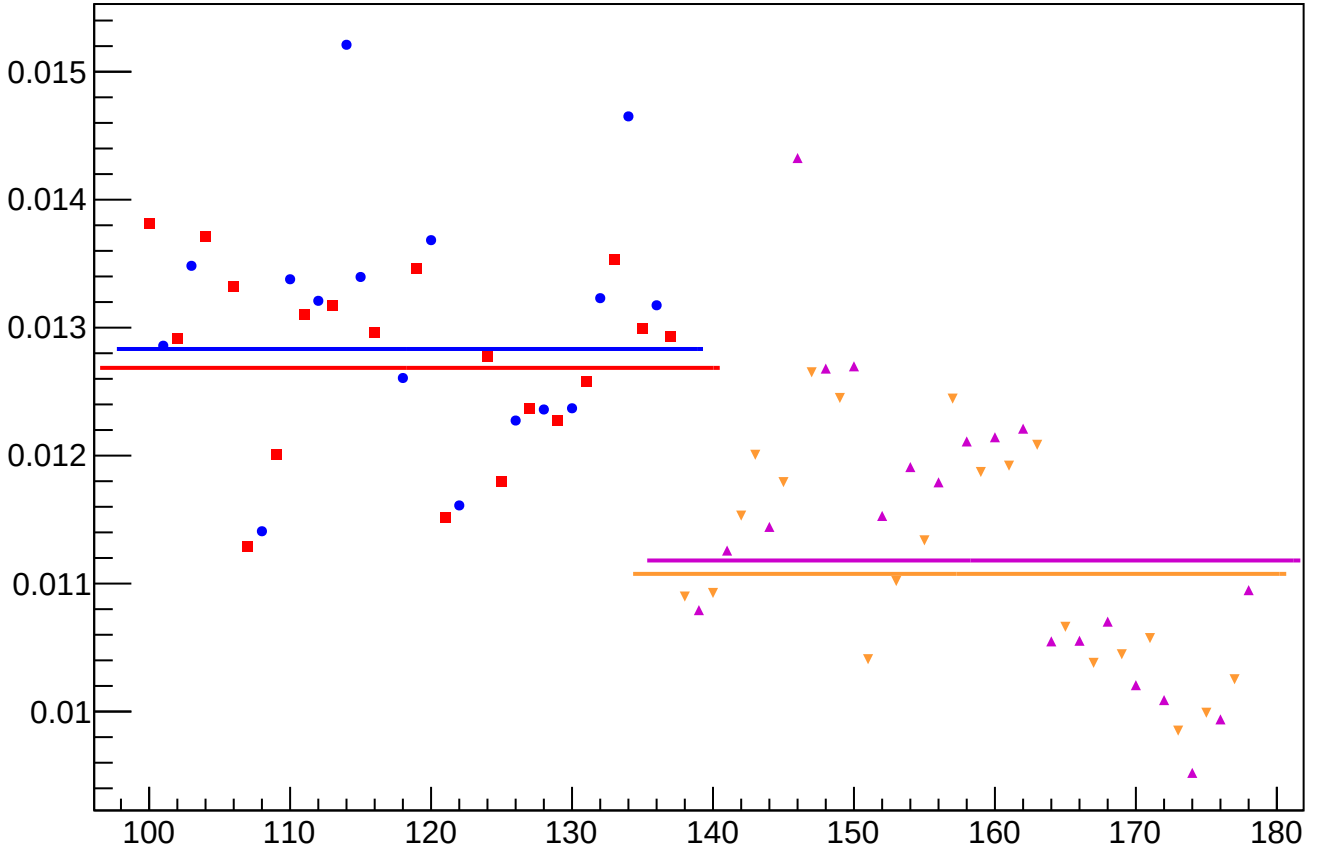
Right: 1.663+/-0.000 χ^2/NDF: 13026763419.8/34

In: 1.631+/-0.000 χ^2/NDF:14710354582.6/35

Out: 1.685+/-0.000 χ^2/NDF:12983469640.3/39

All: 1.659+/-0.000 χ^2/NDF: 27942595245.3/7

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:283109.5/19

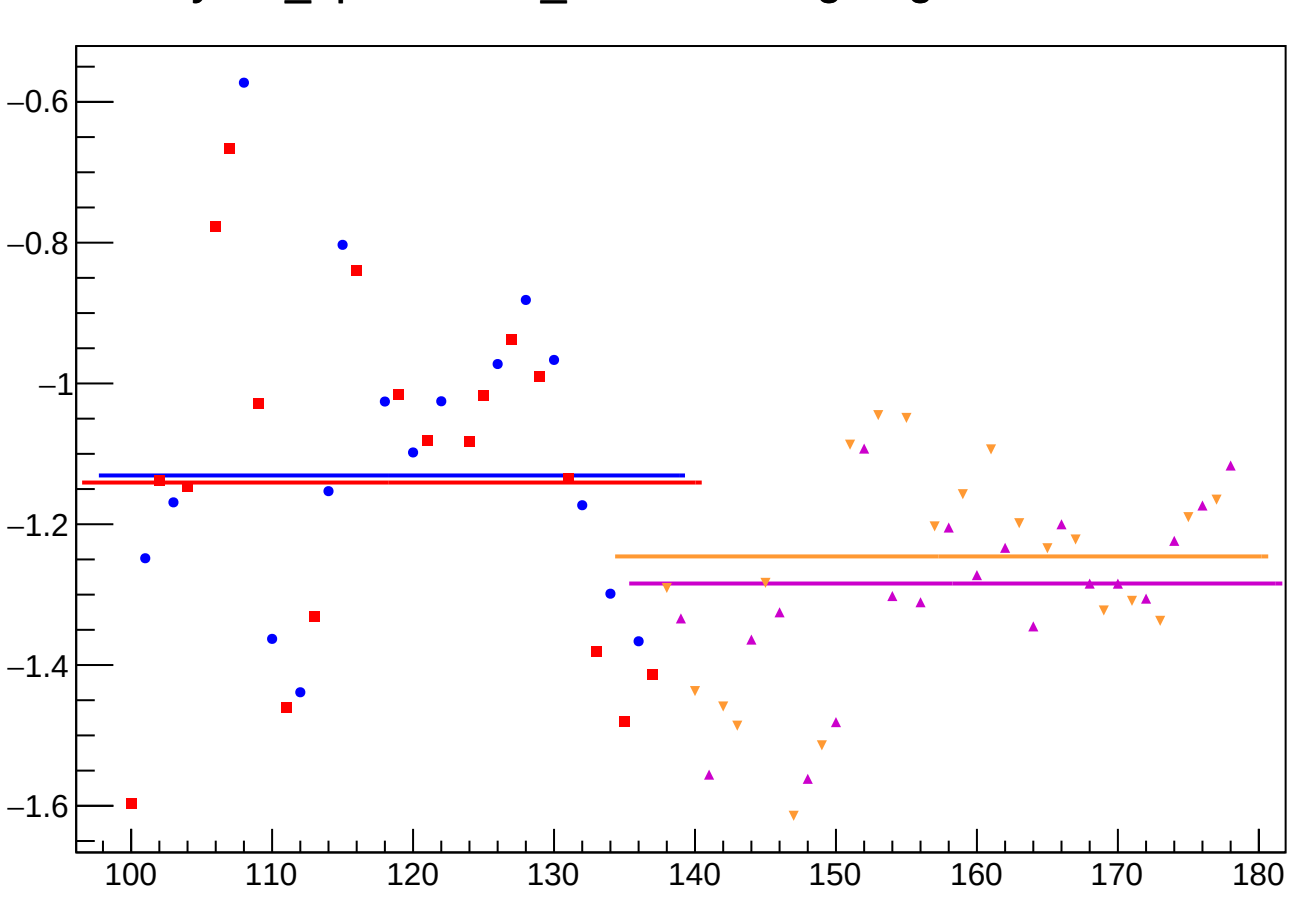
Left: 0.011+/-0.000 χ^2/NDF: 467952.8/40

Right: 0.013+/-0.000 χ^2/NDF: 96748.3/34

In: 0.012+/-0.000 χ^2/NDF:508588.2/35

Out: 0.011+/-0.000 χ^2/NDF:399255.1/39

All: 0.012+/-0.000 χ^2/NDF: 910083.7/75



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: -1.284+/-0.000 χ^2/NDF:2982140503.4/19

Left: -1.265+/-0.000 χ^2/NDF: 7934192013.2/40

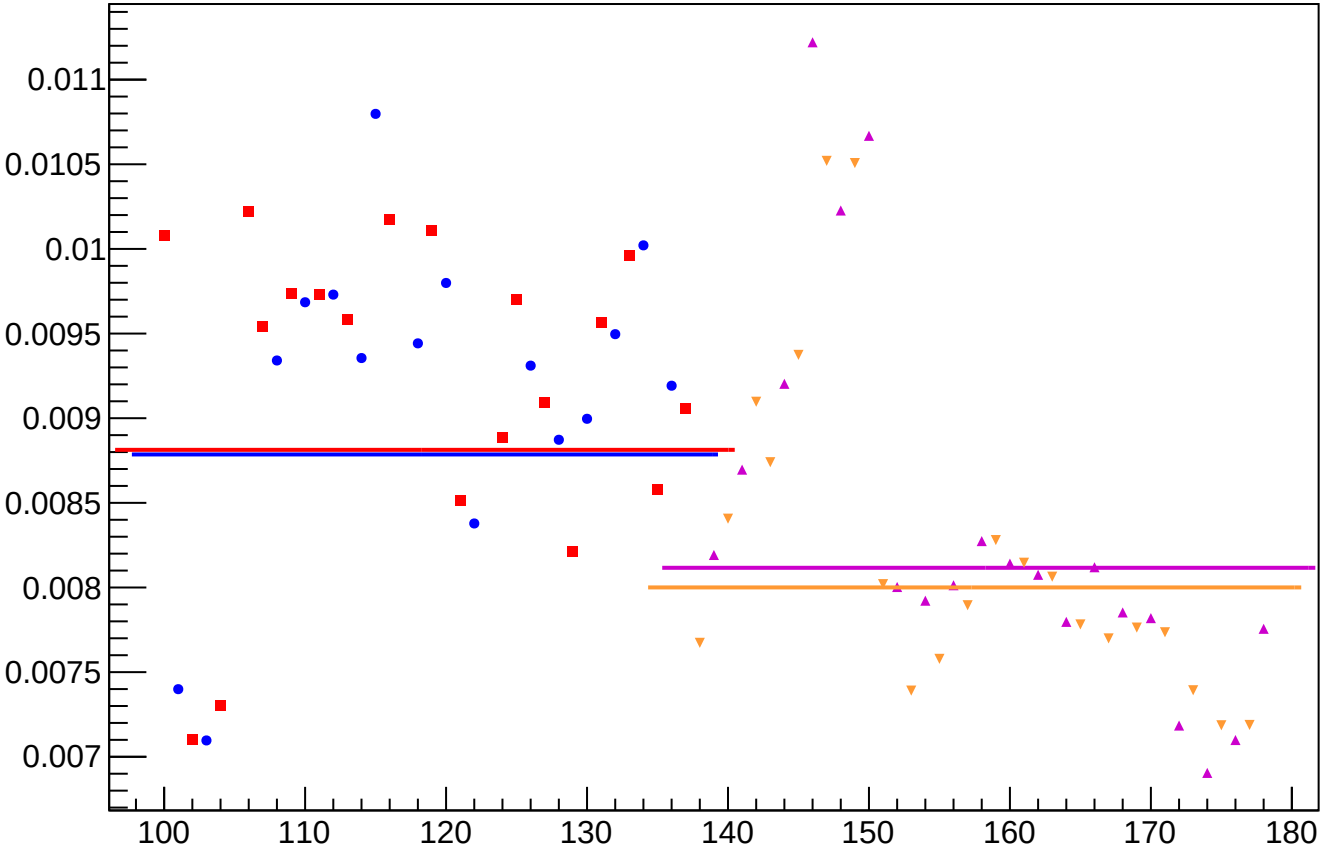
Right: -1.136+/-0.000 χ^2/NDF: 7338628665.5/34

In: -1.242+/-0.000 χ^2/NDF:8281579136.9/35

Out: -1.217+/-0.000 χ^2/NDF:9040066661.3/39

All: -1.229+/-0.000 χ^2/NDF: 17416528995.0/

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 173477.6/15

Left Out: 0.008+/-0.000 χ^2/NDF:293971.9/20

Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.008+/-0.000 χ^2/NDF:402296.7/19

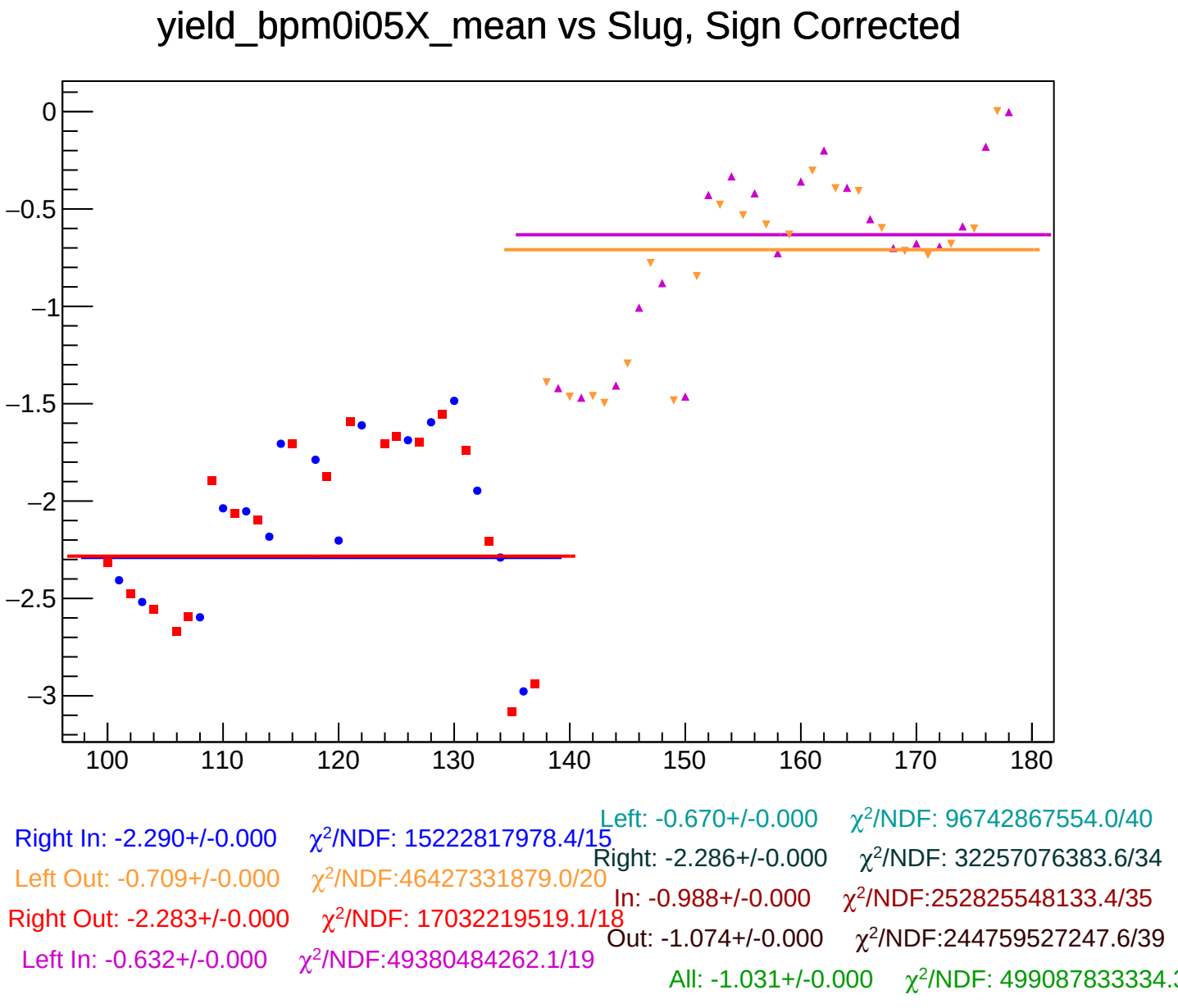
Left: 0.008+/-0.000 χ^2/NDF: 699440.1/40

Right: 0.009+/-0.000 χ^2/NDF: 377987.0/34

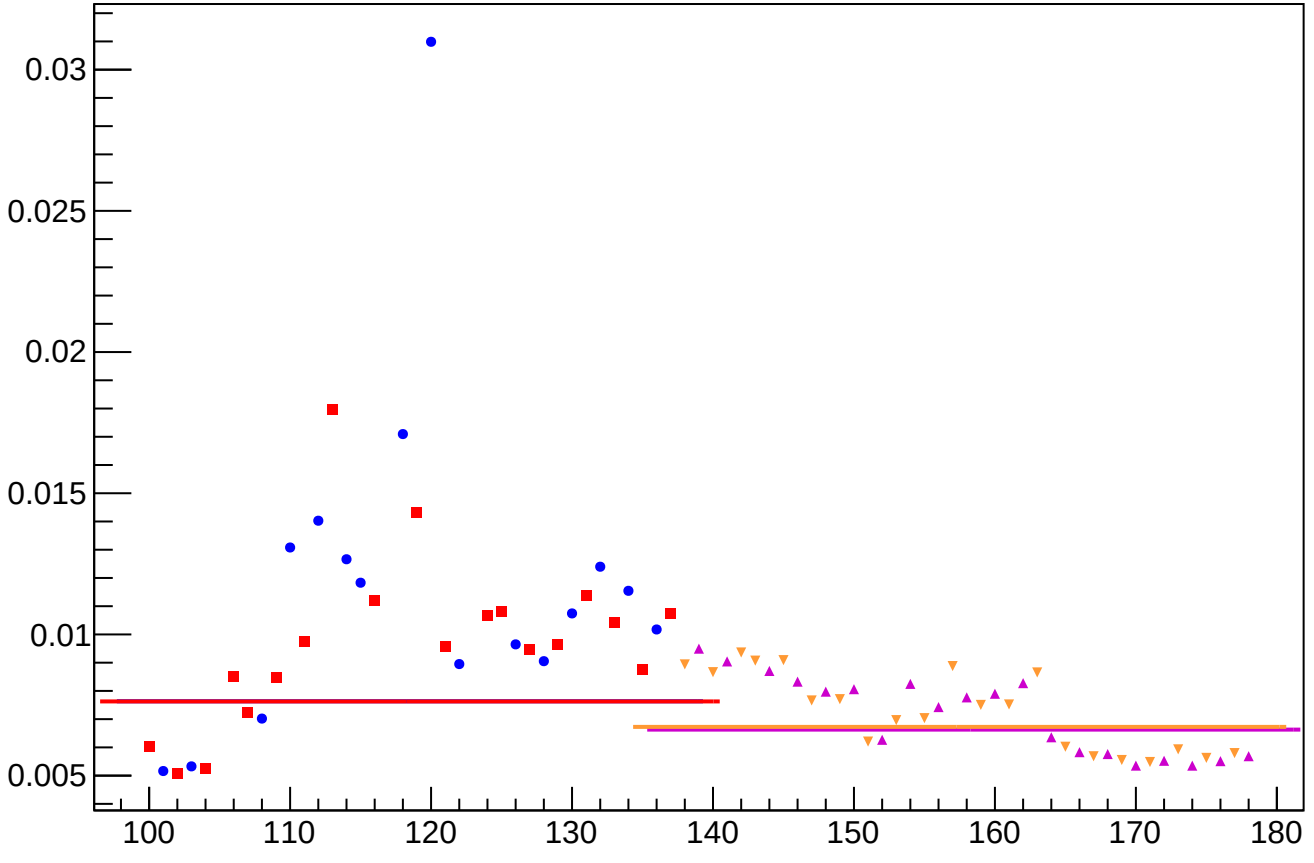
In: 0.008+/-0.000 χ^2/NDF:633199.7/35

Out: 0.008+/-0.000 χ^2/NDF:584558.4/39

All: 0.008+/-0.000 χ^2/NDF: 1219971.4/75


yield_bpm0i05X_mean vs Slug, Sign Corrected
0
−0.5
−1
−1.5
−2
−2.5
−3
100
110
120
130
140
150
160
170
180
Right In: -2.290+/-0.000 χ²/NDF: 15222817978.4/15
Left Out: -0.709+/-0.000 χ²/NDF:46427331879.0/20
Right Out: -2.283+/-0.000 χ²/NDF: 17032219519.1/18
Left In: -0.632+/-0.000 χ²/NDF:49380484262.1/19
Left: -0.670+/-0.000 χ²/NDF: 96742867554.0/40
Right: -2.286+/-0.000 χ²/NDF: 32257076383.6/34
In: -0.988+/-0.000 χ²/NDF:252825548133.4/35
Out: -1.074+/-0.000 χ²/NDF:244759527247.6/39
All: -1.031+/-0.000 χ²/NDF: 499087833334.3

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:1094315.4/19

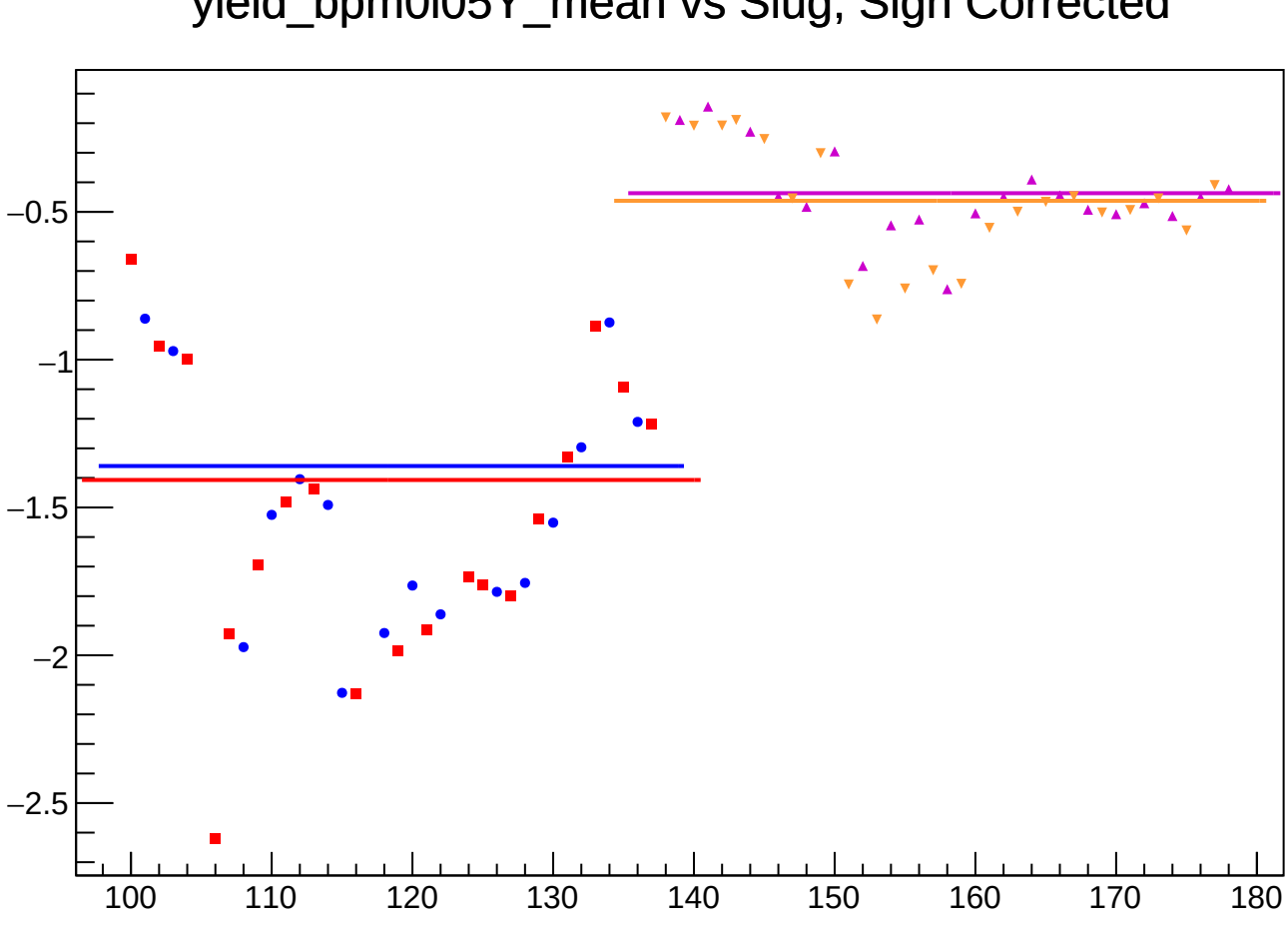
Left: 0.007+/-0.000 χ^2/NDF: 2086151.4/40

Right: 0.008+/-0.000 χ^2/NDF: 3028539.8/34

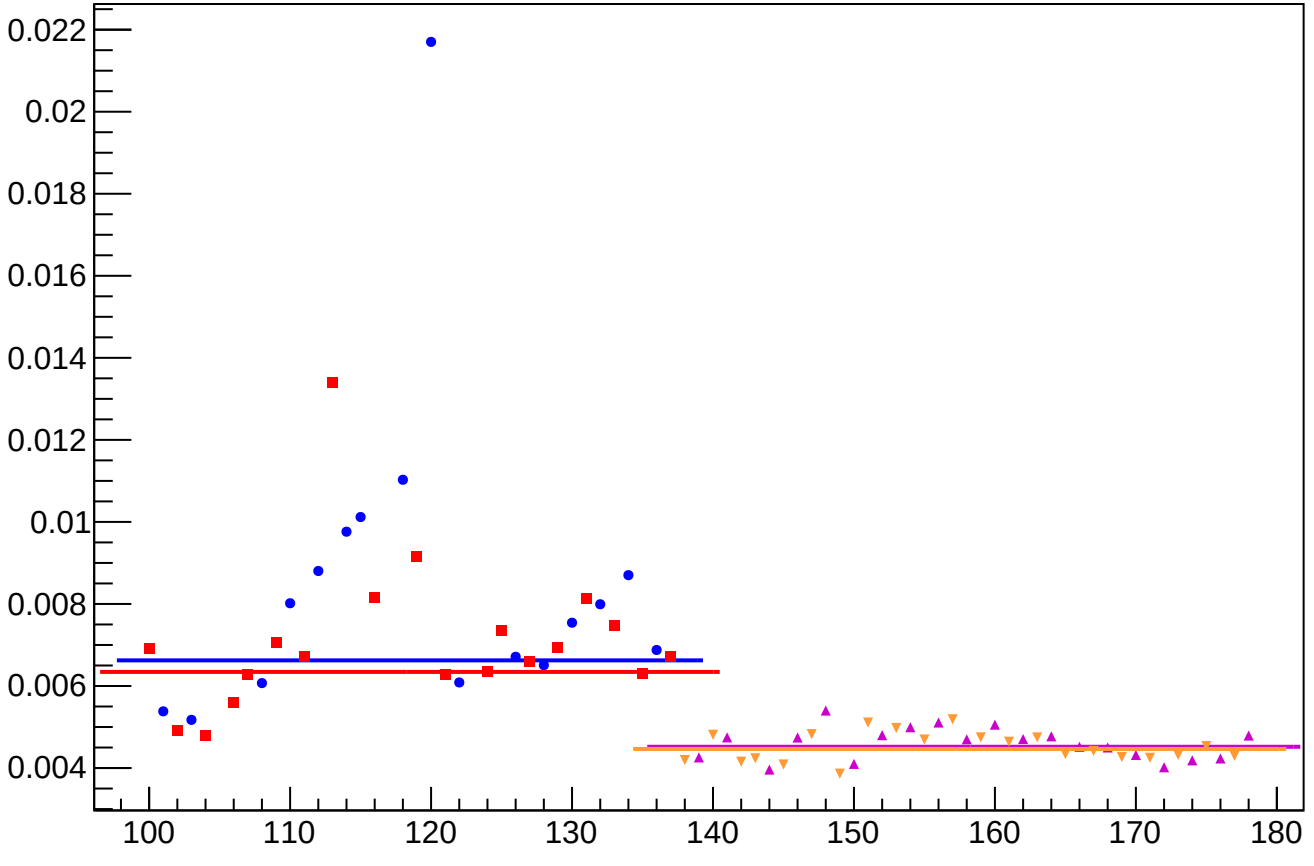
In: 0.007+/-0.000 χ^2/NDF:2943019.8/35

Out: 0.007+/-0.000 χ^2/NDF:2425597.6/39

All: 0.007+/-0.000 χ^2/NDF: 5371922.7/75


yield_bpm0i05Y_mean vs Slug, Sign Corrected
−0.5
−1
−1.5
−2
−2.5
100
110
120
130
140
150
160
170
180
Right In: -1.360+/-0.000 χ²/NDF: 21491965614.5/15
Left Out: -0.463+/-0.000 χ²/NDF:28555942824.4/20
Right Out: -1.407+/-0.000 χ²/NDF: 29835610413.0/18
Left In: -0.437+/-0.000 χ²/NDF:16433936746.2/19
Left: -0.450+/-0.000 χ²/NDF: 45234268846.5/40
Right: -1.385+/-0.000 χ²/NDF: 51484688313.9/34
In: -0.579+/-0.000 χ²/NDF:132986081428.9/35
Out: -0.620+/-0.000 χ²/NDF:171381917086.9/39
All: -0.600+/-0.000 χ²/NDF: 305120465744.

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:208498.6/19

Left: 0.004+/-0.000 χ^2/NDF: 383117.2/40

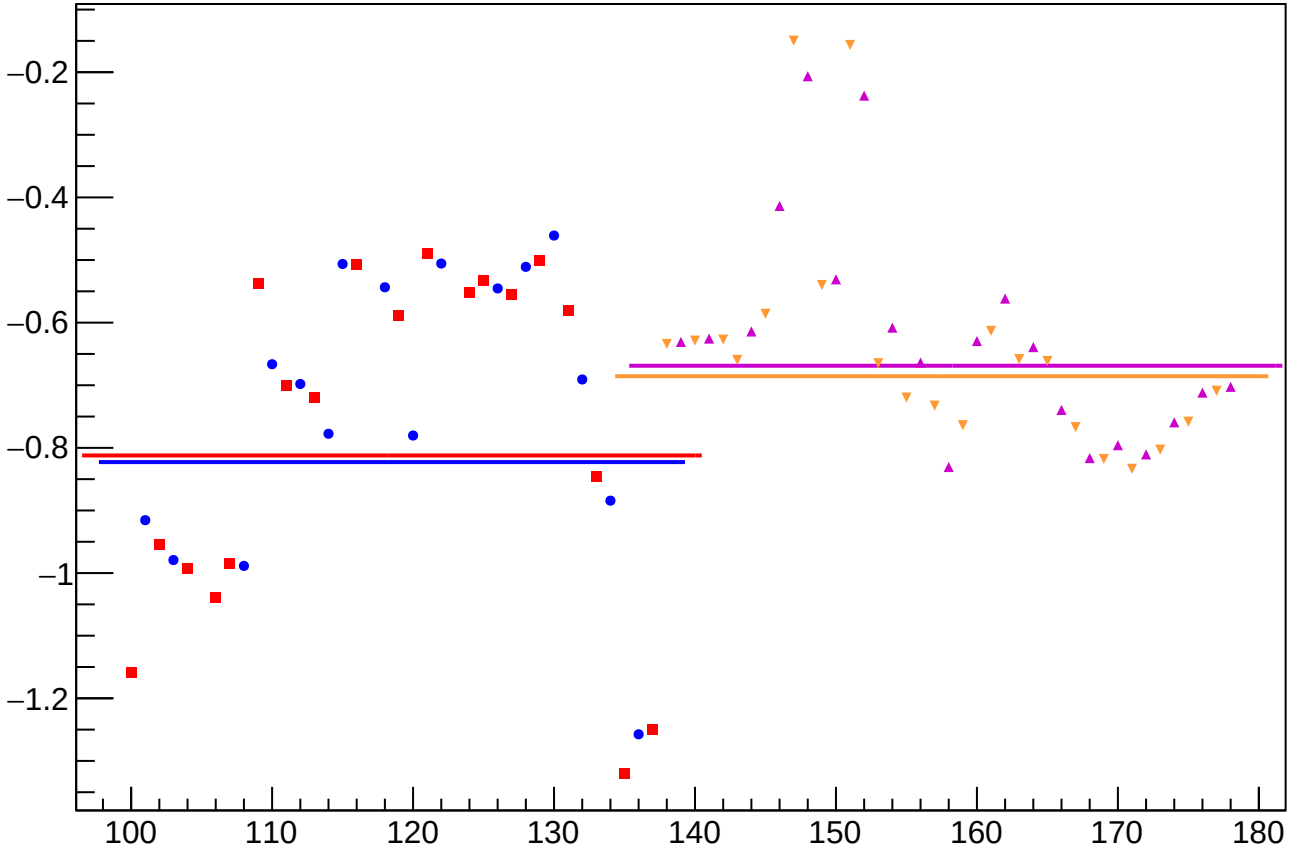
Right: 0.006+/-0.000 χ^2/NDF: 1234142.9/34

In: 0.005+/-0.000 χ^2/NDF:1892492.5/35

Out: 0.005+/-0.000 χ^2/NDF:1595554.4/39

All: 0.005+/-0.000 χ^2/NDF: 3491669.3/75

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: -0.669+/-0.000 χ^2/NDF:22493280525.0/19

Left: -0.677+/-0.000 χ^2/NDF: 44936279231.8/40

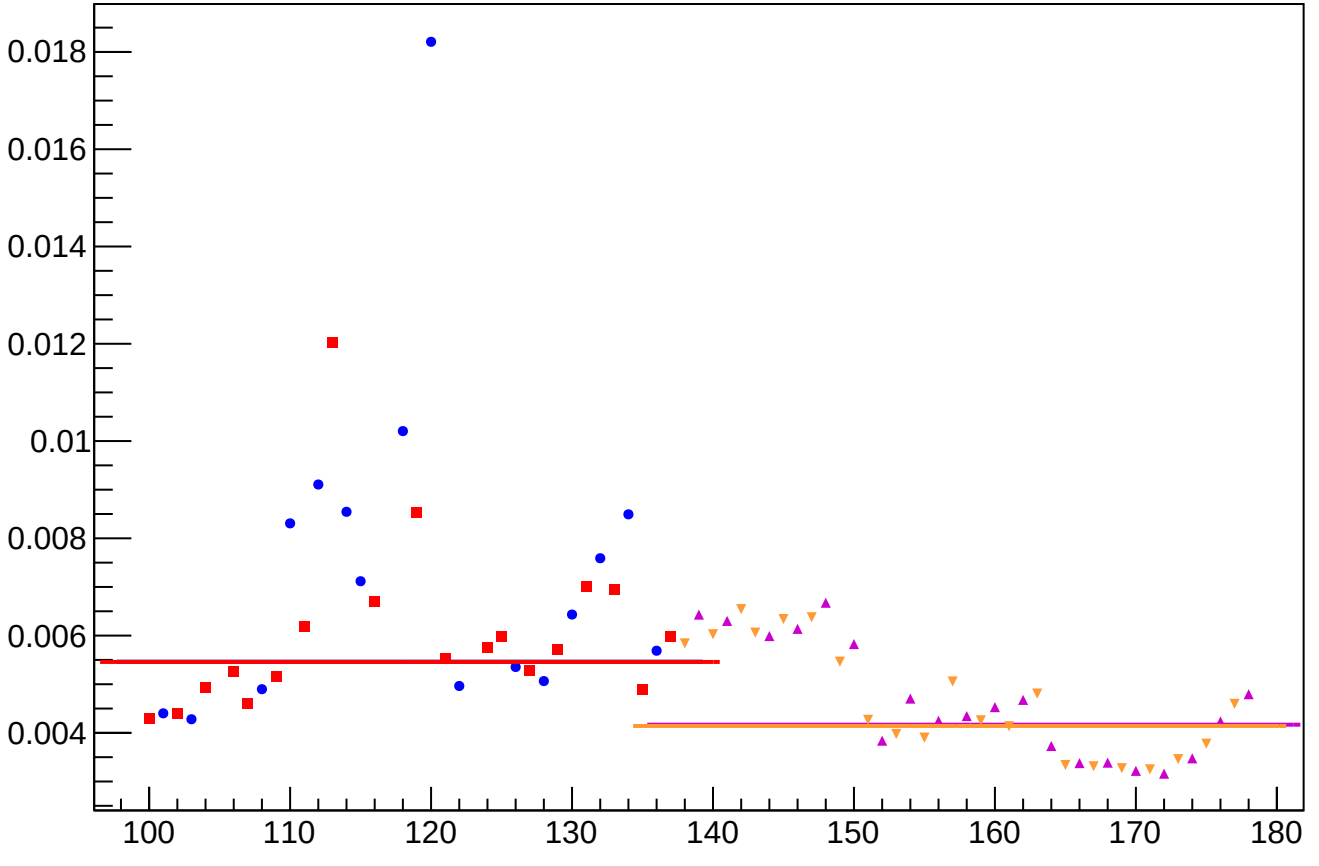
Right: -0.817+/-0.000 χ^2/NDF: 27062819602.4/34

In: -0.698+/-0.000 χ^2/NDF:38276057455.0/35

Out: -0.710+/-0.000 χ^2/NDF:39748971565.9/39

All: -0.704+/-0.000 χ^2/NDF: 78108280928.5/

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 961483.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:1502793.5/20

Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.004+/-0.000 χ^2/NDF:1631207.8/19

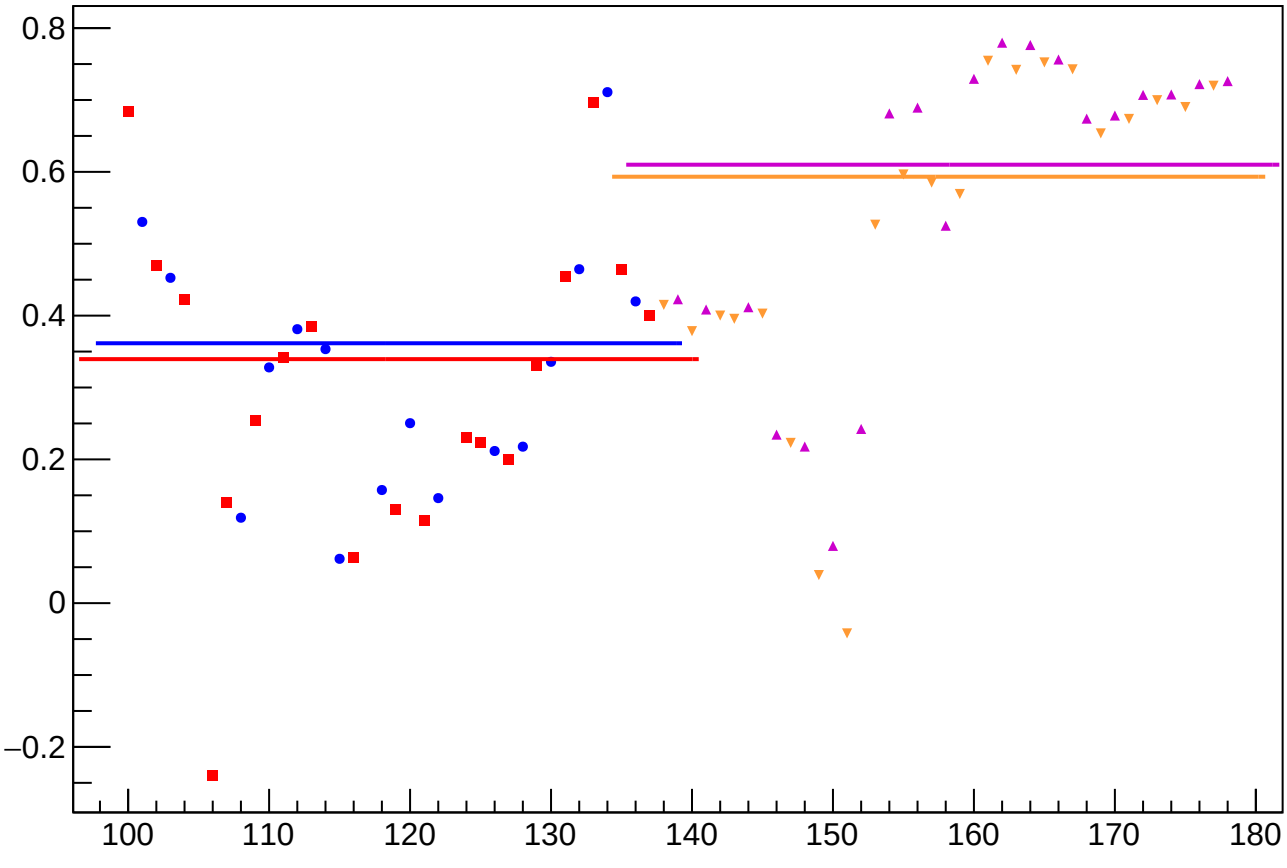
Left: 0.004+/-0.000 χ^2/NDF: 3134565.9/40

Right: 0.005+/-0.000 χ^2/NDF: 1469281.0/34

In: 0.004+/-0.000 χ^2/NDF:3096448.9/35

Out: 0.004+/-0.000 χ^2/NDF:2572624.0/39

All: 0.004+/-0.000 χ^2/NDF: 5669175.9/75



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: 0.610+/-0.000 χ^2/NDF:38364584673.2/19

Left: 0.602+/-0.000 χ^2/NDF: 81249026861.8/40

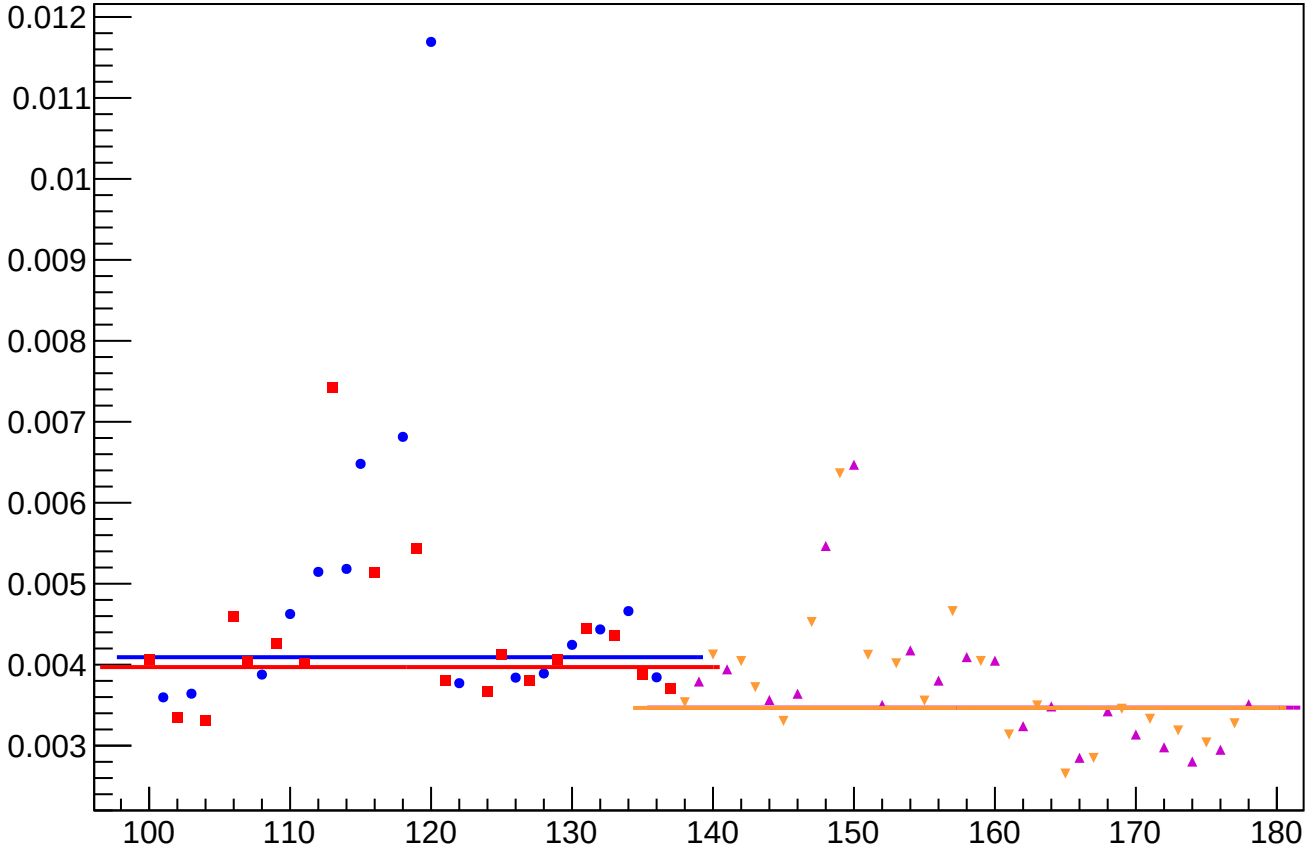
Right: 0.350+/-0.000 χ^2/NDF: 20941665635.5/34

In: 0.549+/-0.000 χ^2/NDF:64142265955.7/35

Out: 0.526+/-0.000 χ^2/NDF:74092492095.5/39

All: 0.537+/-0.000 χ^2/NDF: 138609062578.2

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:862822.9/19

Left: 0.003+/-0.000 χ^2/NDF: 1669957.0/40

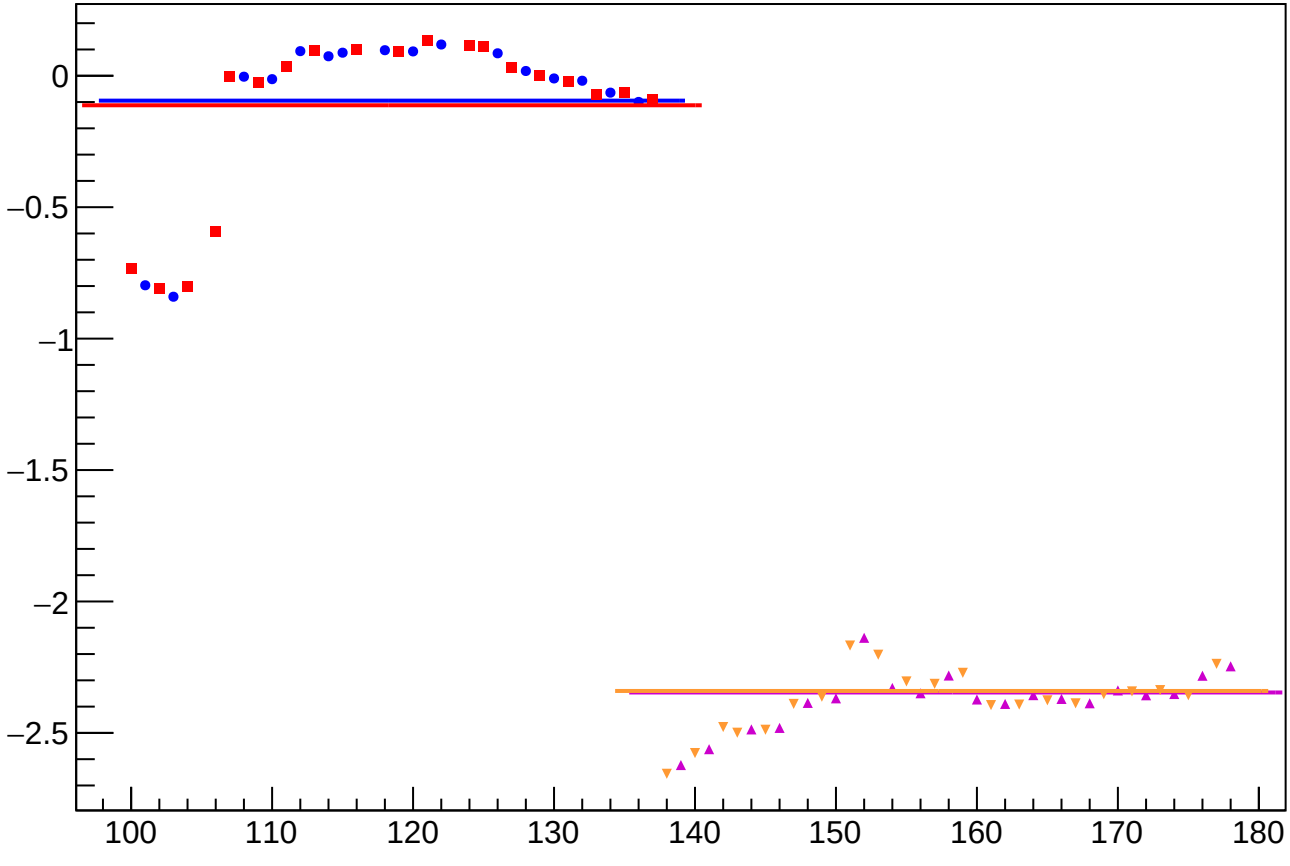
Right: 0.004+/-0.000 χ^2/NDF: 811192.6/34

In: 0.004+/-0.000 χ^2/NDF:1568359.1/35

Out: 0.004+/-0.000 χ^2/NDF:1273244.1/39

All: 0.004+/-0.000 χ^2/NDF: 2842511.2/75

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: -2.346+/-0.000 χ^2/NDF:1494534552.2/19

Left: -2.343+/-0.000 χ^2/NDF: 3329664865.7/40

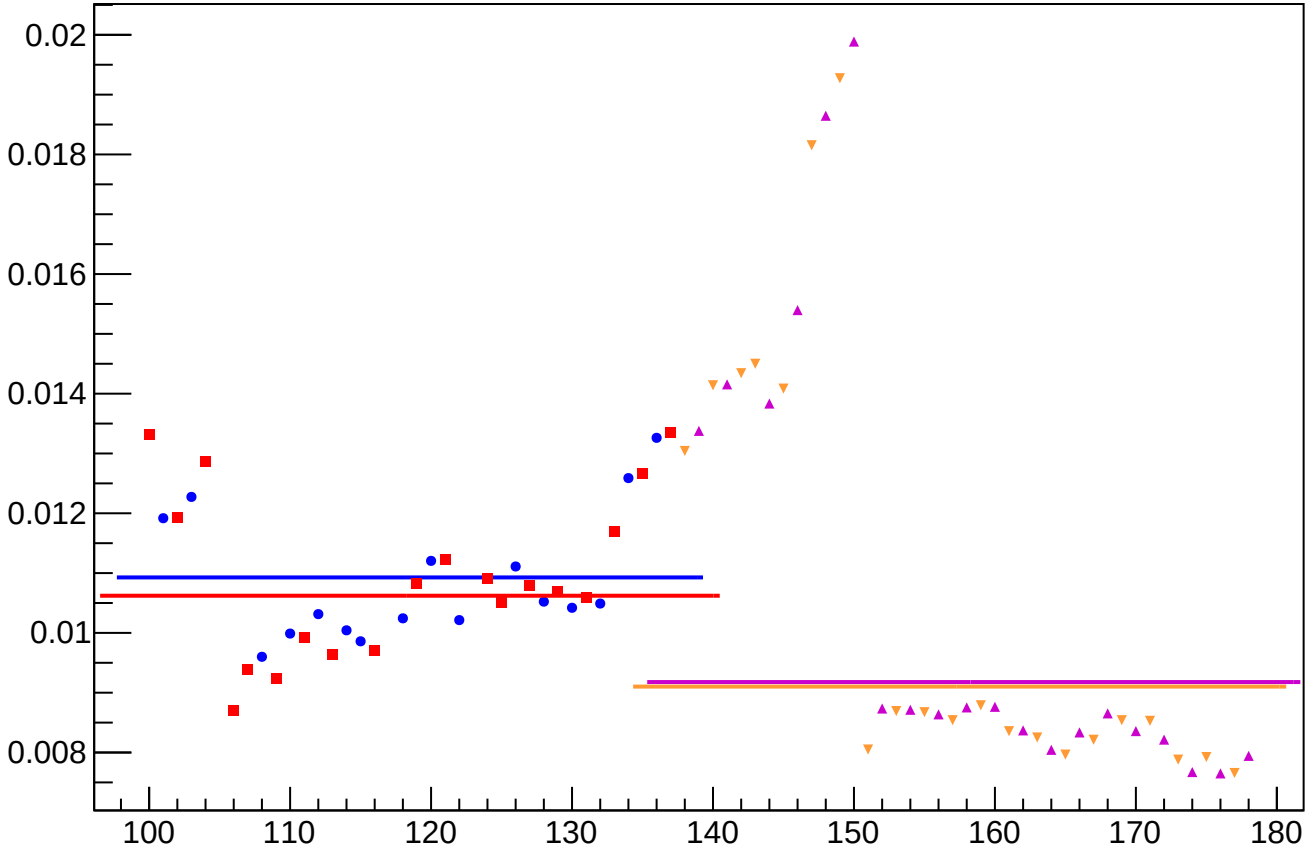
Right: -0.104+/-0.000 χ^2/NDF: 11689577002.2/34

In: -1.787+/-0.000 χ^2/NDF:234204322590.8/35

Out: -1.764+/-0.000 χ^2/NDF:248519196362.9/39

All: -1.775+/-0.000 χ^2/NDF: 482785466310.3

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:2099825.4/19

Left: 0.009+/-0.000 χ^2/NDF: 4131311.8/40

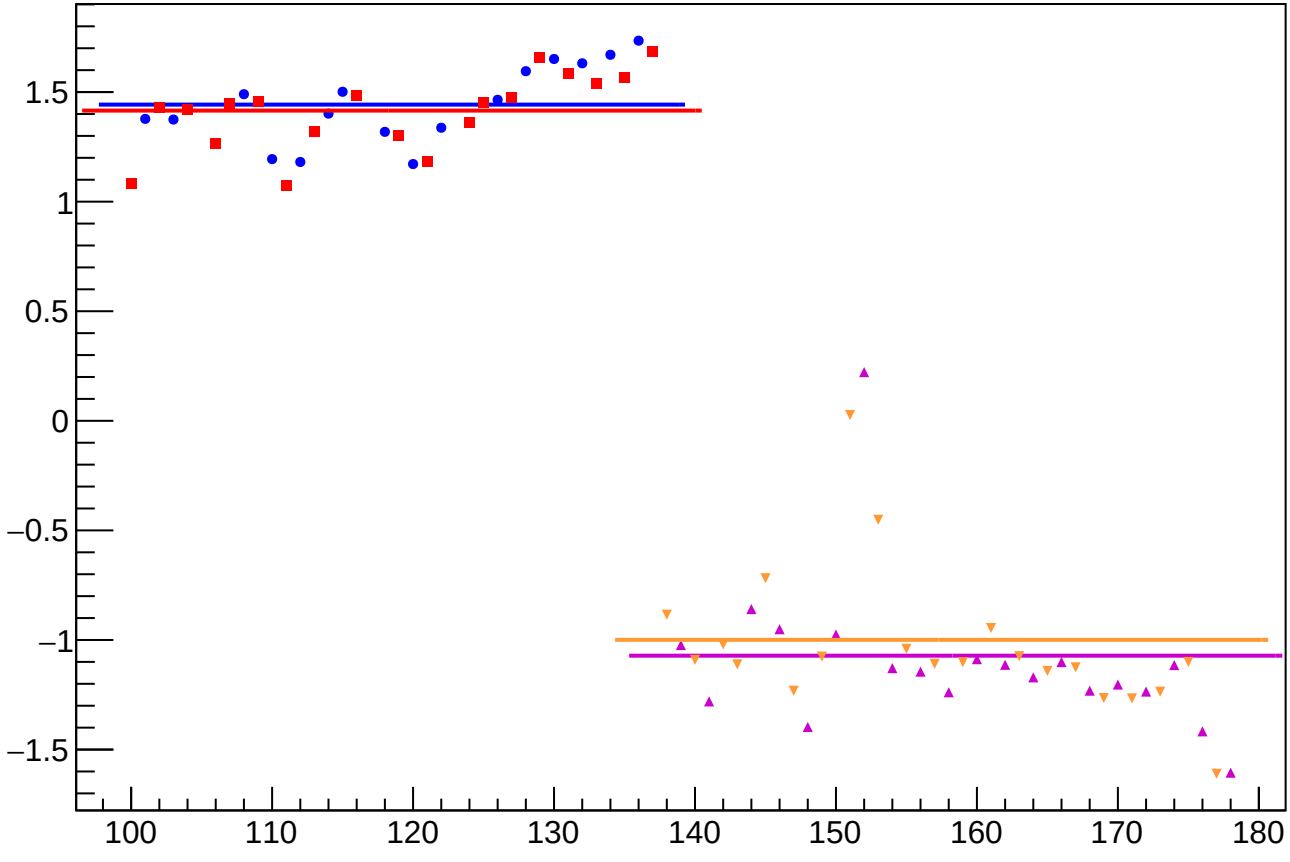
Right: 0.011+/-0.000 χ^2/NDF: 332847.6/34

In: 0.010+/-0.000 χ^2/NDF:2510692.7/35

Out: 0.009+/-0.000 χ^2/NDF:2444572.3/39

All: 0.010+/-0.000 χ^2/NDF: 4958674.9/75

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: -1.072+/-0.000 χ^2/NDF:49813141581.9/19

Left: -1.035+/-0.000 χ^2/NDF: 93864879739.8/40

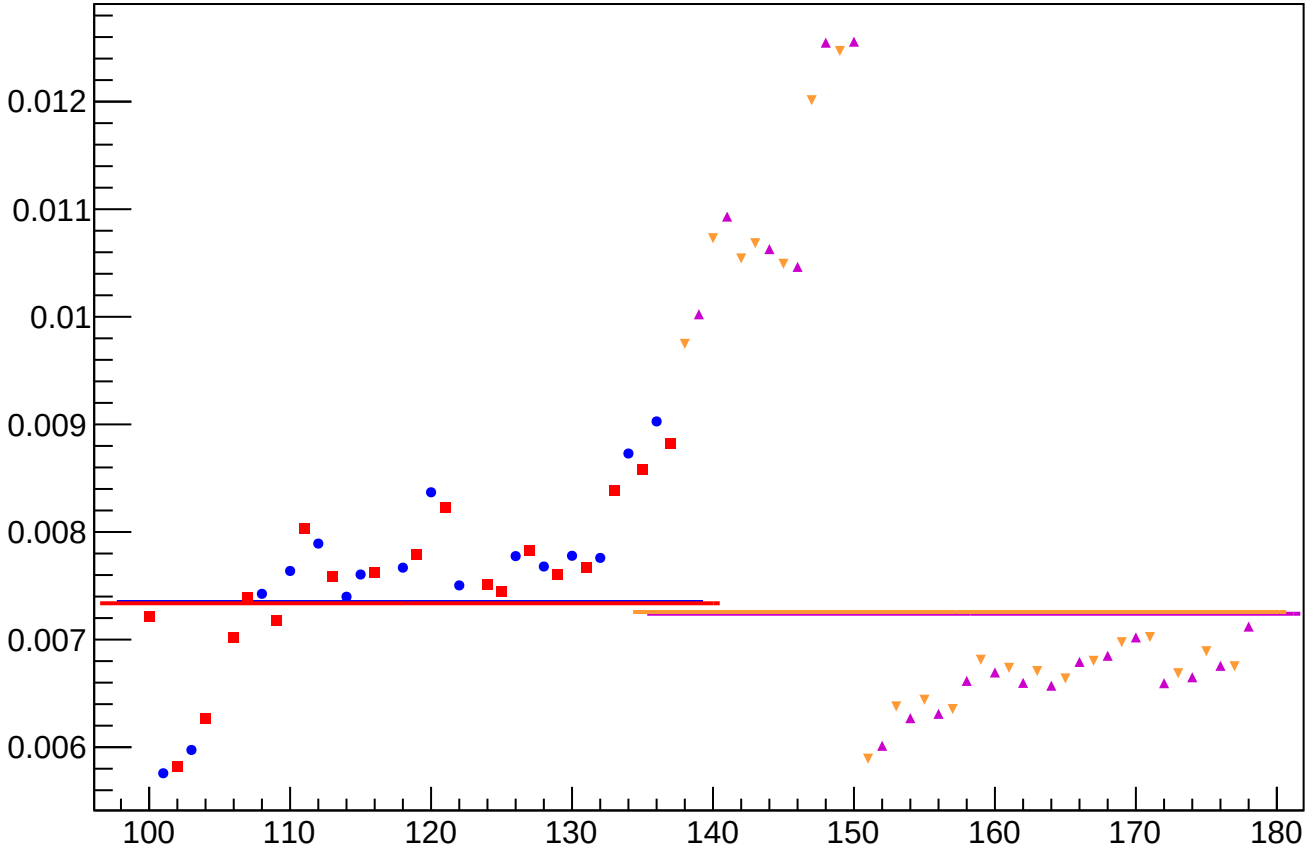
Right: 1.429+/-0.000 χ^2/NDF: 6593016759.0/34

In: -0.300+/-0.000 χ^2/NDF:626748256270.7/35

Out: -0.243+/-0.000 χ^2/NDF:594365811780.4/39

All: -0.271+/-0.000 χ^2/NDF: 1221817685640

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:1553791.7/19

Left: 0.007+/-0.000 χ^2/NDF: 3040980.2/40

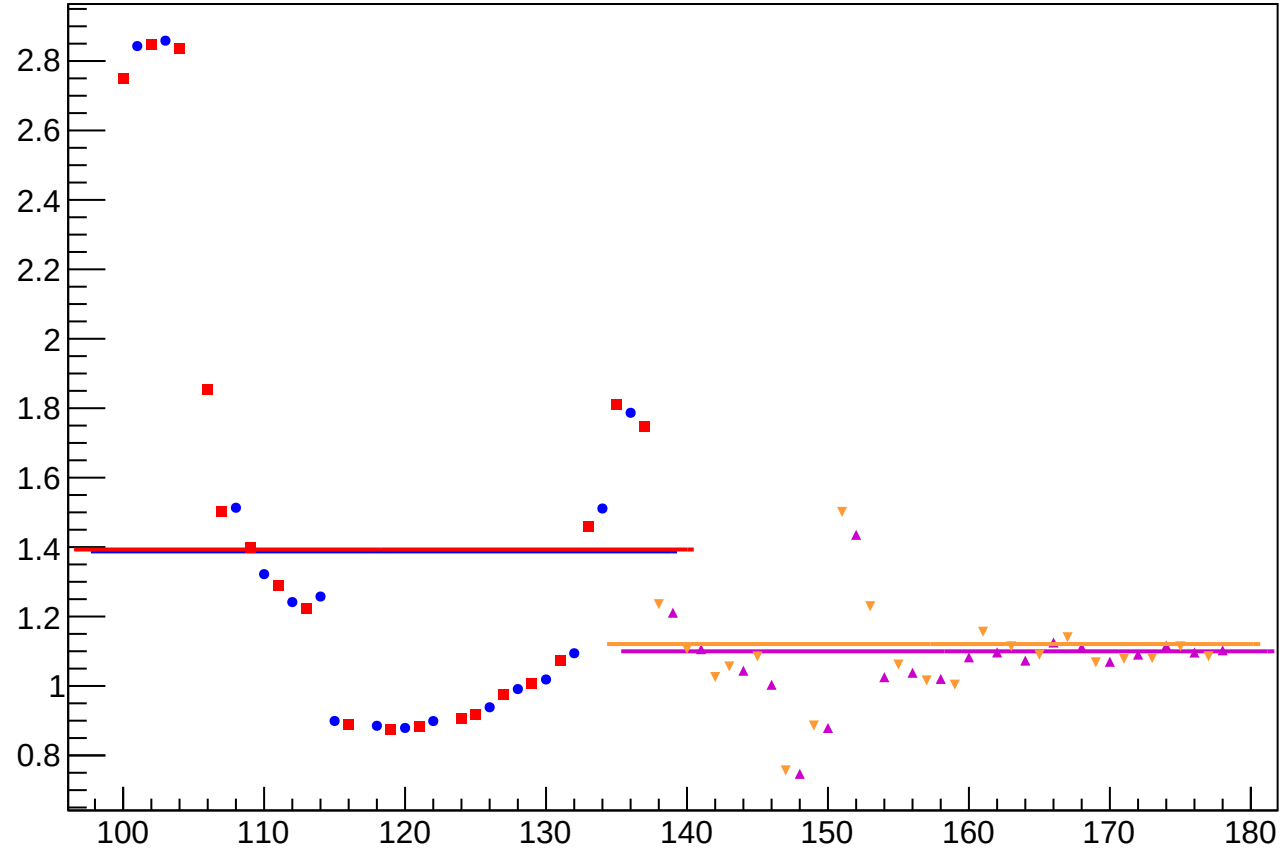
Right: 0.007+/-0.000 χ^2/NDF: 466255.6/34

In: 0.007+/-0.000 χ^2/NDF:1826814.4/35

Out: 0.007+/-0.000 χ^2/NDF:1683708.8/39

All: 0.007+/-0.000 χ^2/NDF: 3510552.7/75

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:4185860210.7/19

Left: 1.111+/-0.000 χ^2/NDF: 9762951587.6/40

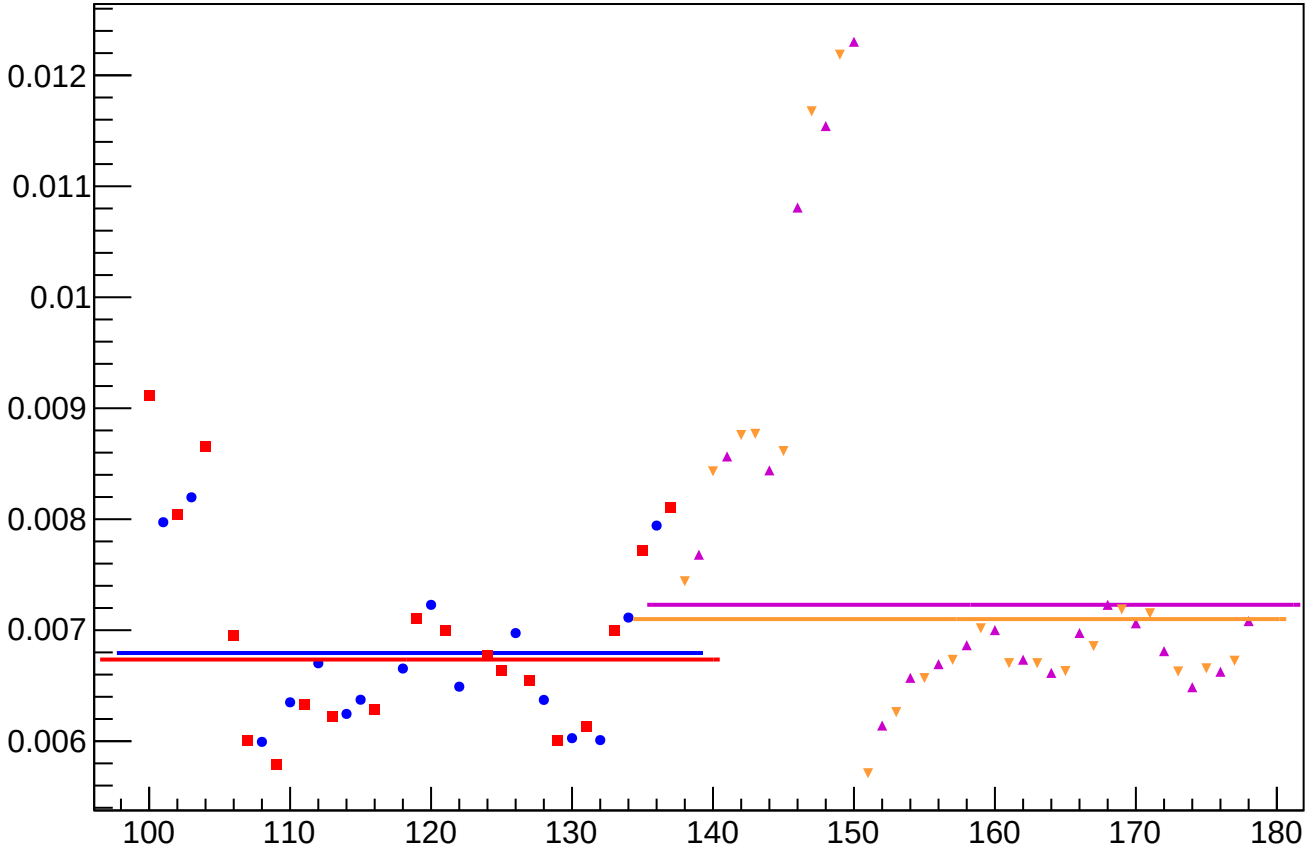
Right: 1.390+/-0.000 χ^2/NDF: 113980694957.7/34

In: 1.198+/-0.000 χ^2/NDF:71195995880.9/35

Out: 1.214+/-0.000 χ^2/NDF:68796382353.2/39

All: 1.206+/-0.000 χ^2/NDF: 140049253840.0

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 164456.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:849458.3/20

Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

Left In: 0.007+/-0.000 χ^2/NDF:909403.0/19

Left: 0.007+/-0.000 χ^2/NDF: 1763911.5/40

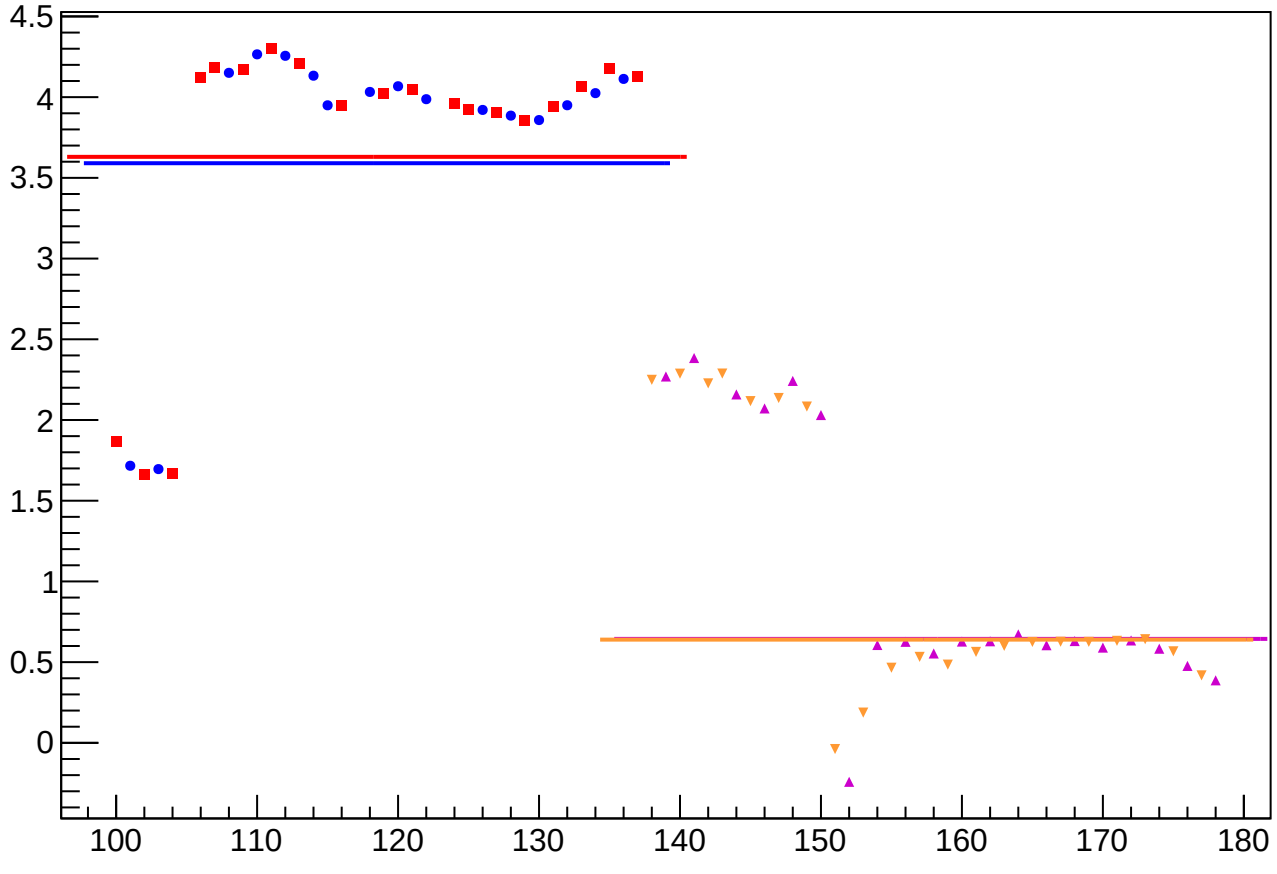
Right: 0.007+/-0.000 χ^2/NDF: 363493.8/34

In: 0.007+/-0.000 χ^2/NDF:1112135.9/35

Out: 0.007+/-0.000 χ^2/NDF:1076342.7/39

All: 0.007+/-0.000 χ^2/NDF: 2193565.4/75

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: 0.644+/-0.000 χ^2/NDF:248487631001.6/19

Left: 0.642+/-0.000 χ^2/NDF: 496288592572.0/40

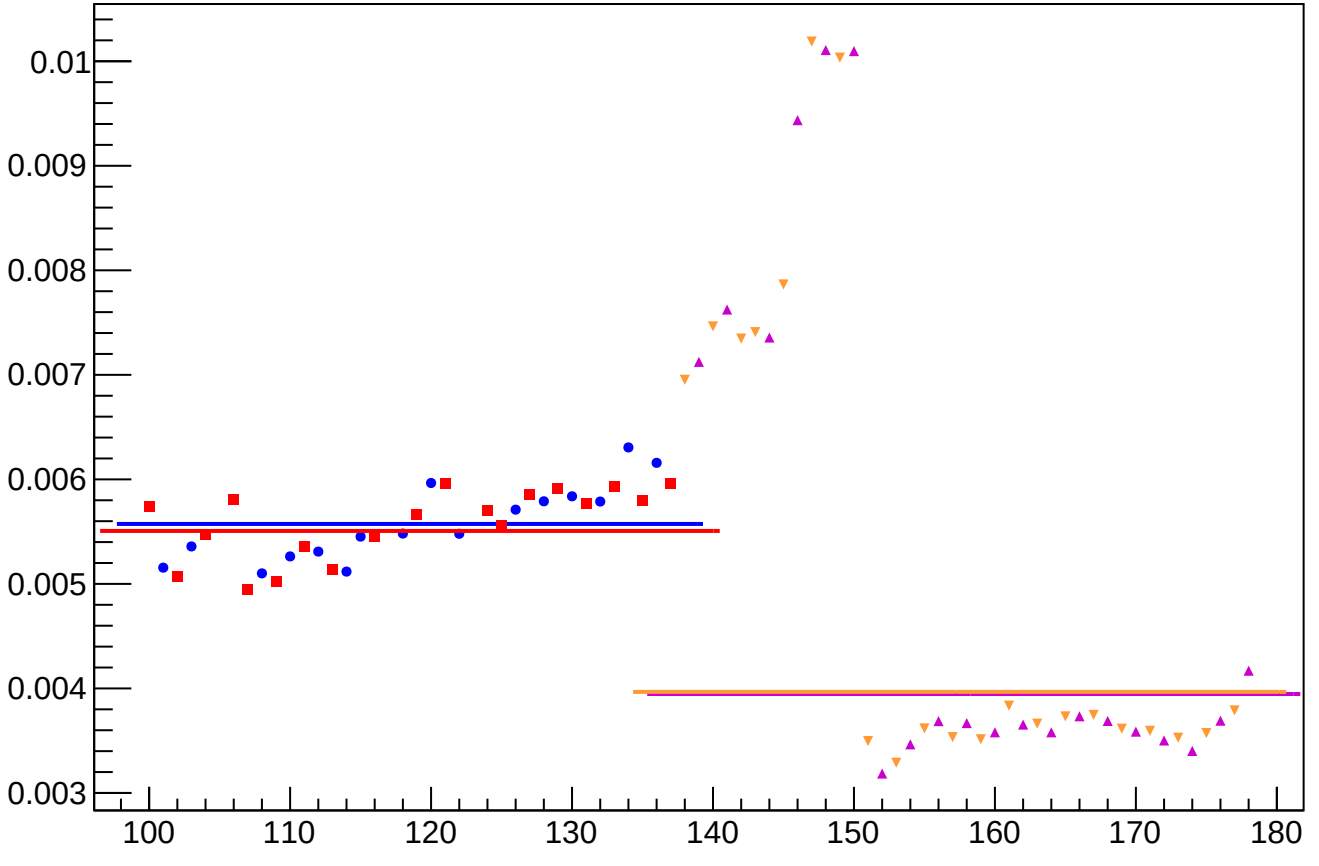
Right: 3.611+/-0.000 χ^2/NDF: 414956393826.7/34

In: 1.237+/-0.000 χ^2/NDF:2050960830669.7/35

Out: 1.257+/-0.000 χ^2/NDF:2169108495539.8/39

All: 1.247+/-0.000 χ^2/NDF: 4220314743285.

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:3108271.2/19

Left: 0.004+/-0.000 χ^2/NDF: 6006483.7/40

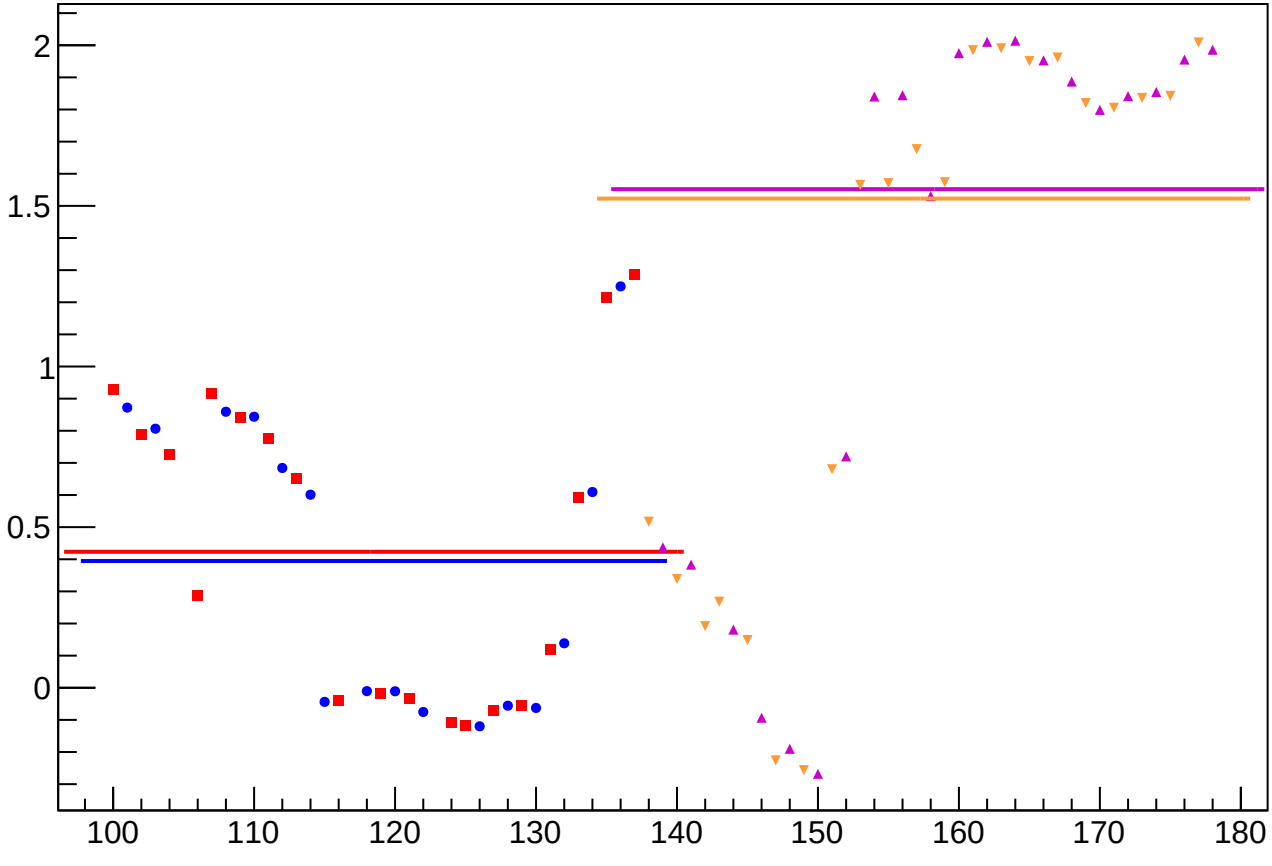
Right: 0.006+/-0.000 χ^2/NDF: 117612.2/34

In: 0.004+/-0.000 χ^2/NDF:4142912.8/35

Out: 0.004+/-0.000 χ^2/NDF:3861167.0/39

All: 0.004+/-0.000 χ^2/NDF: 8004220.3/75

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: 1.552+/-0.000 χ^2/NDF:62781431325.1/19

Left: 1.537+/-0.000 χ^2/NDF: 120350876680.9/40

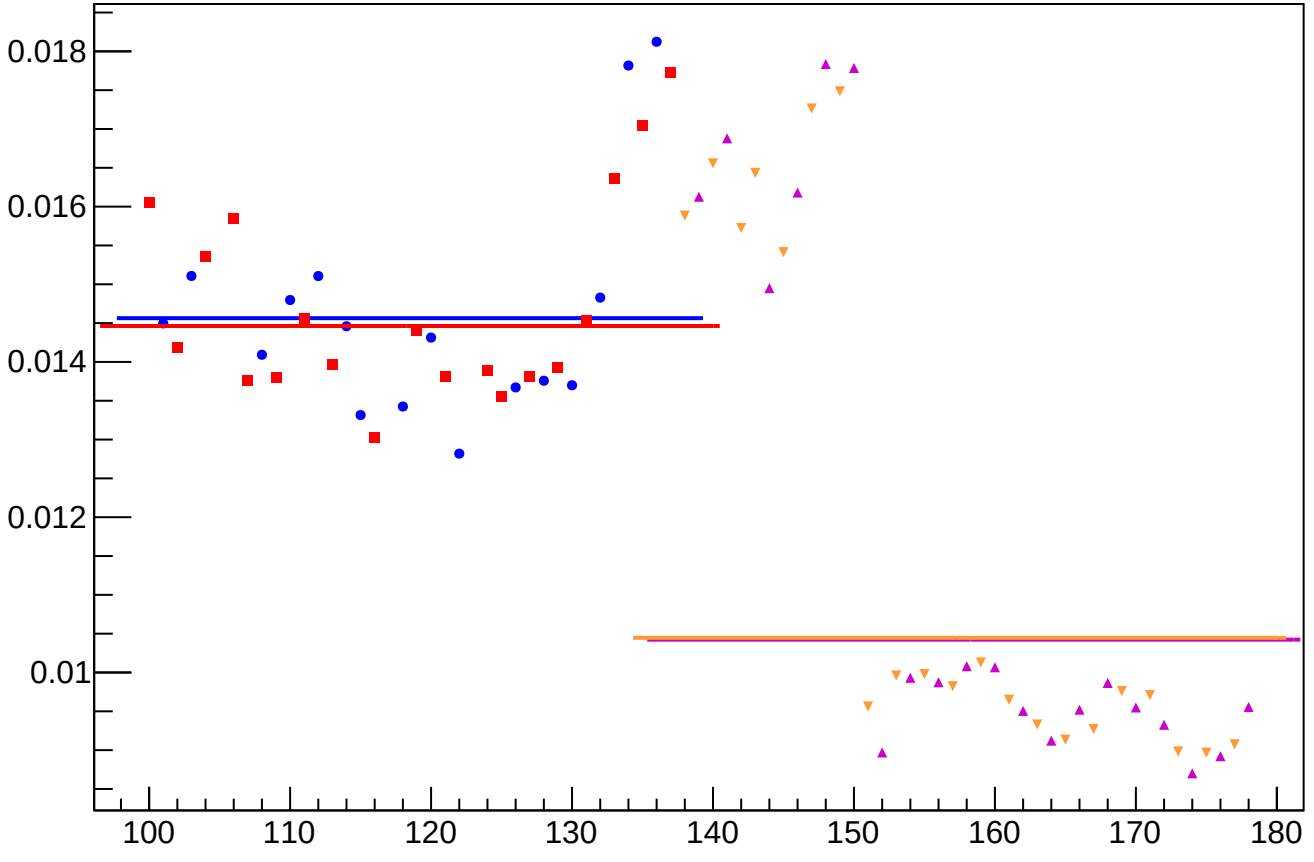
Right: 0.409+/-0.000 χ^2/NDF: 14330729641.2/34

In: 1.330+/-0.000 χ^2/NDF:106423306730.0/35

Out: 1.307+/-0.000 χ^2/NDF:98261044236.3/39

All: 1.319+/-0.000 χ^2/NDF: 204729671728.7

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 133134.7/15

Left Out: 0.010+/-0.000 χ^2/NDF:1658249.8/20

Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.010+/-0.000 χ^2/NDF:1704172.2/19

Left: 0.010+/-0.000 χ^2/NDF: 3362500.0/40

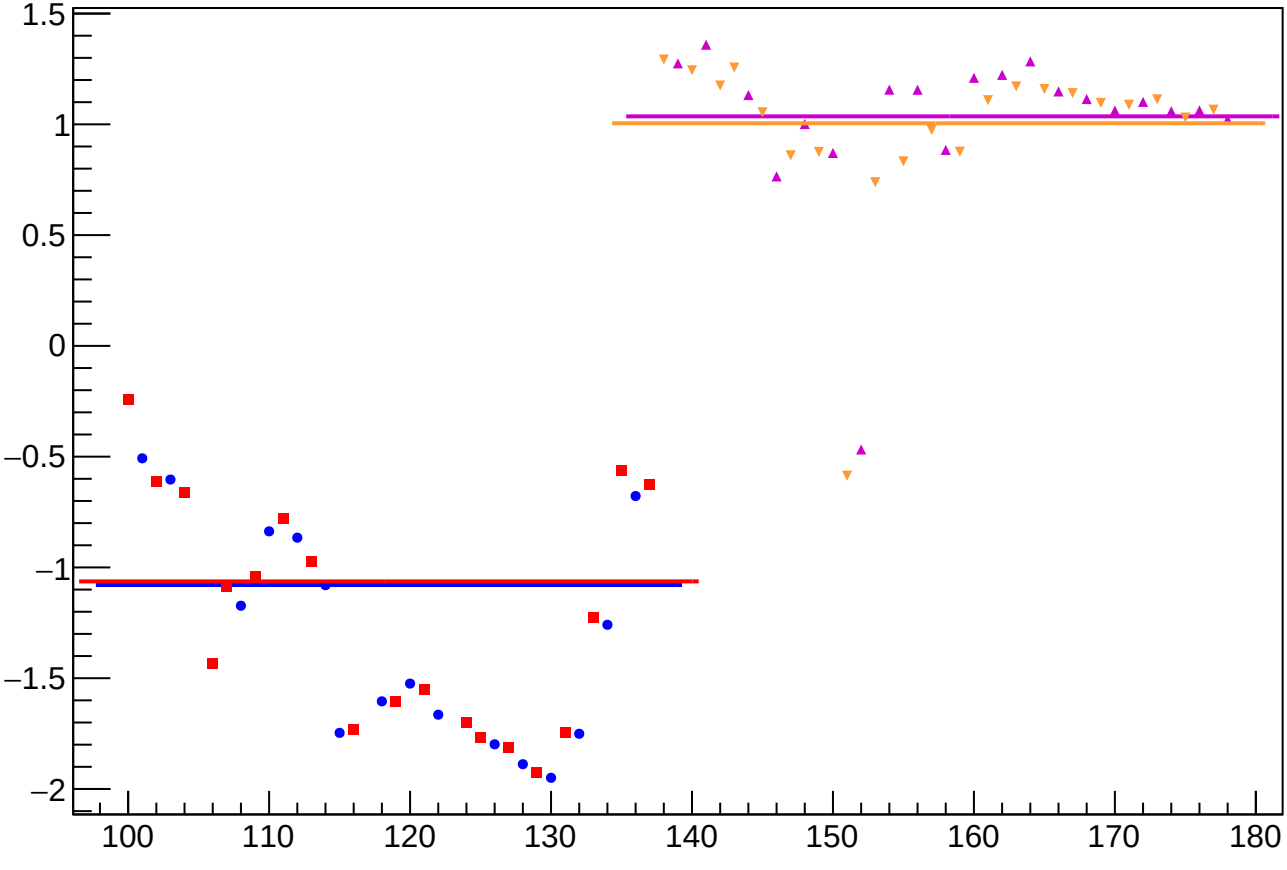
Right: 0.015+/-0.000 χ^2/NDF: 210877.4/34

In: 0.011+/-0.000 χ^2/NDF:2764478.7/35

Out: 0.011+/-0.000 χ^2/NDF:2639164.3/39

All: 0.011+/-0.000 χ^2/NDF: 5403688.1/75

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: 1.036+/-0.000 χ^2/NDF:125274608213.4/19

Left: 1.020+/-0.000 χ^2/NDF: 236673775292.1/40

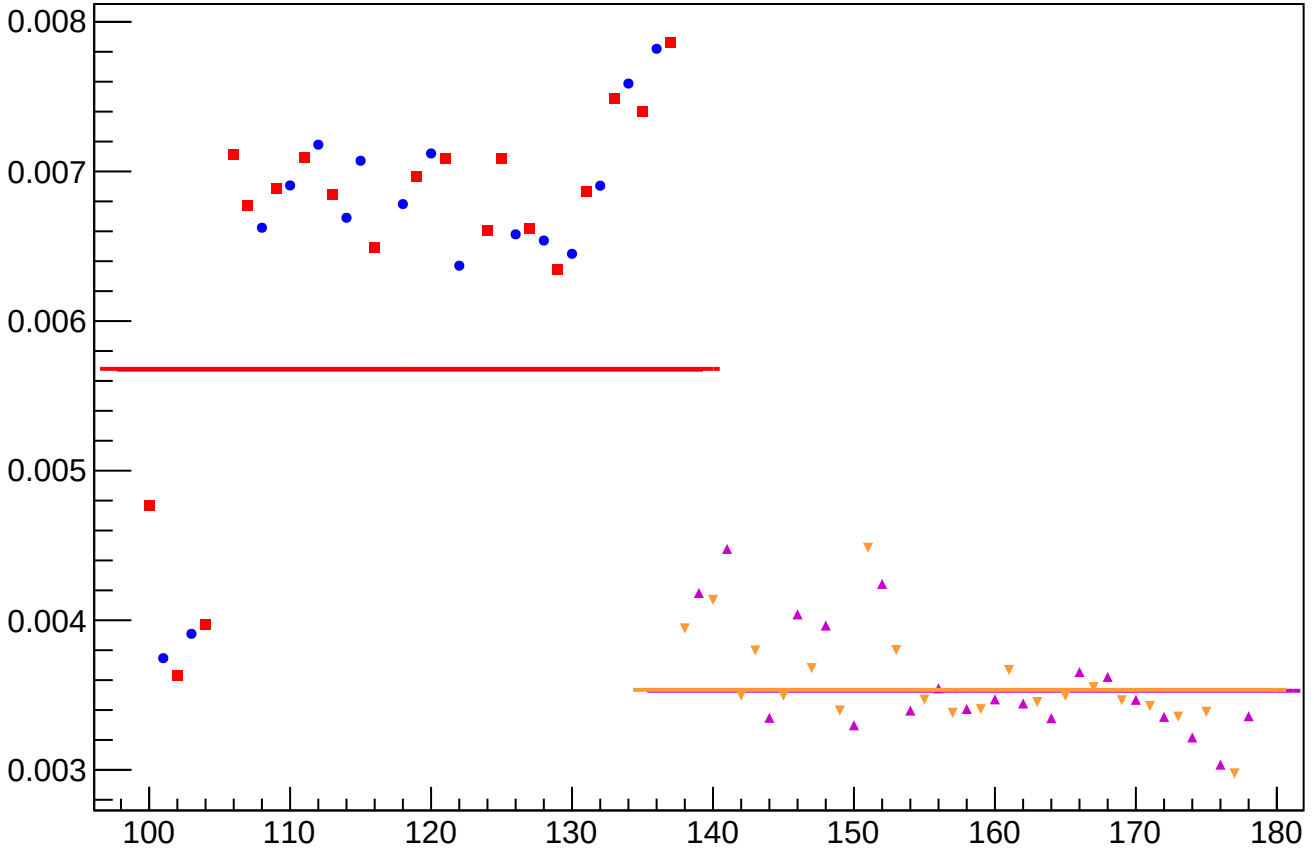
Right: -1.071+/-0.000 χ^2/NDF: 109693375141.4/34

In: 0.733+/-0.000 χ^2/NDF:942827502672.3/35

Out: 0.711+/-0.000 χ^2/NDF:894031995015.2/39

All: 0.722+/-0.000 χ^2/NDF: 1837188788312.

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:276181.8/19

Left: 0.004+/-0.000 χ^2/NDF: 477309.2/40

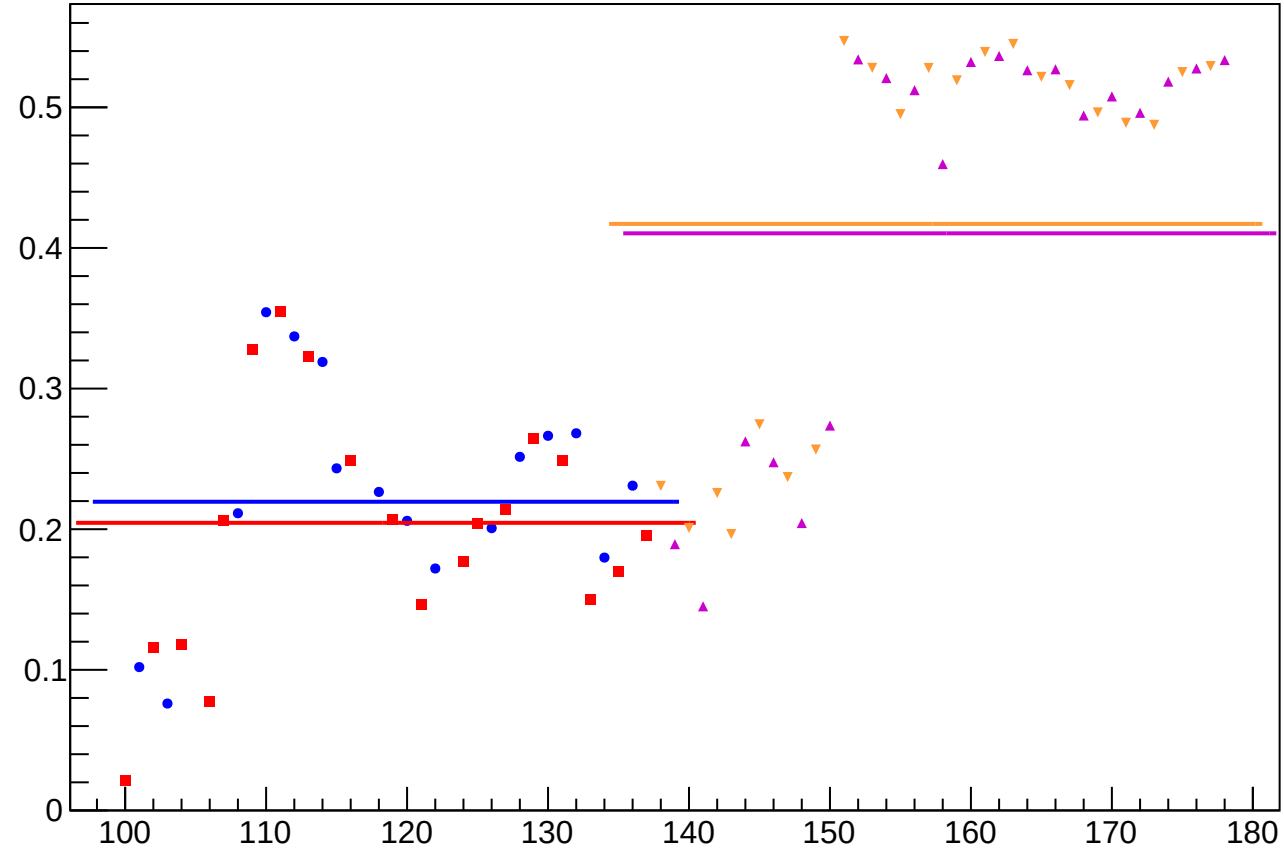
Right: 0.006+/-0.000 χ^2/NDF: 1925411.0/34

In: 0.004+/-0.000 χ^2/NDF:2782426.7/35

Out: 0.004+/-0.000 χ^2/NDF:2760737.8/39

All: 0.004+/-0.000 χ^2/NDF: 5543177.1/75

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: 0.410+/-0.000 χ^2/NDF:146938491322.8/19

Left: 0.414+/-0.000 χ^2/NDF: 292998909150.4/40

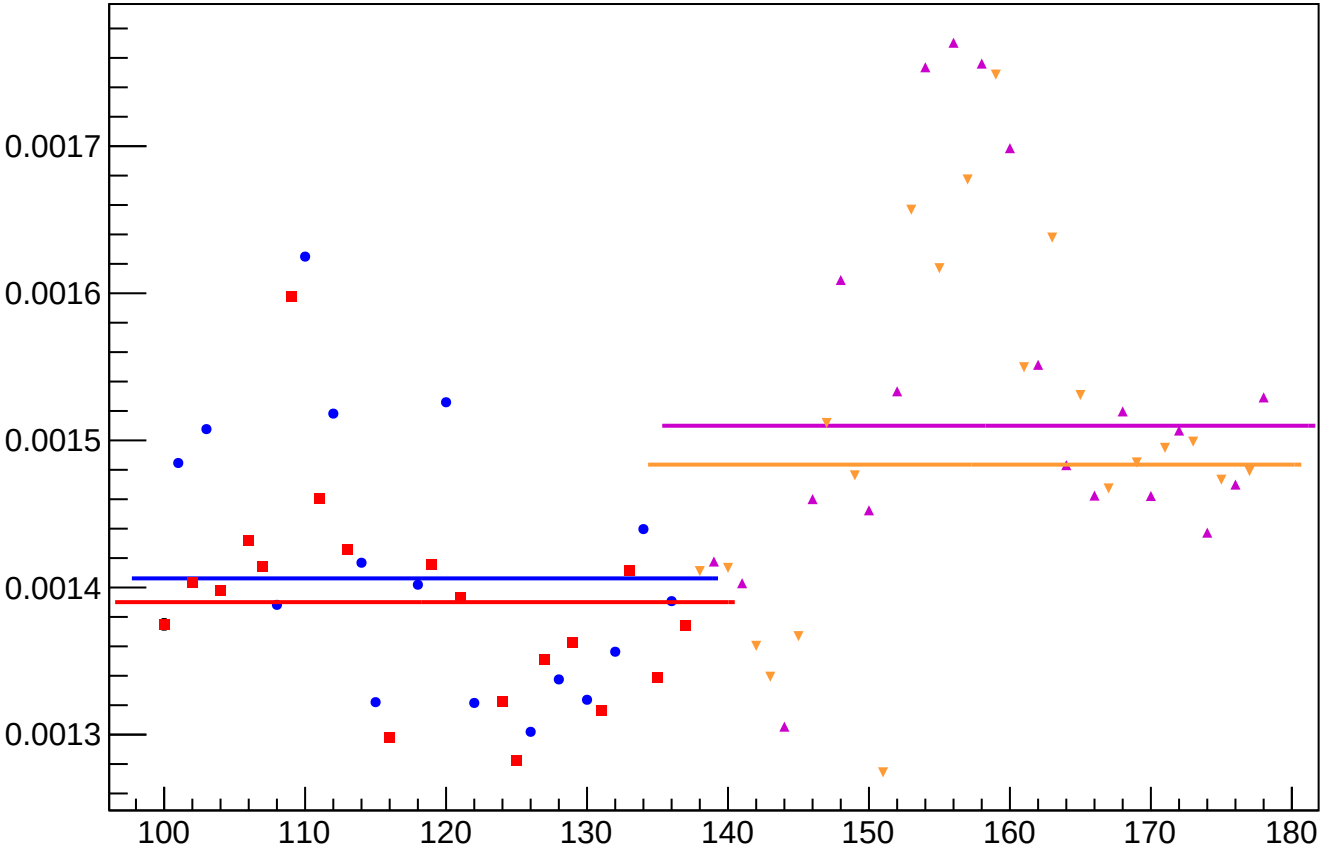
Right: 0.212+/-0.000 χ^2/NDF: 39451425816.8/34

In: 0.347+/-0.000 χ^2/NDF:248874949176.1/35

Out: 0.345+/-0.000 χ^2/NDF:281833006939.9/39

All: 0.346+/-0.000 χ^2/NDF: 530717665759.8

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:204781.4/19

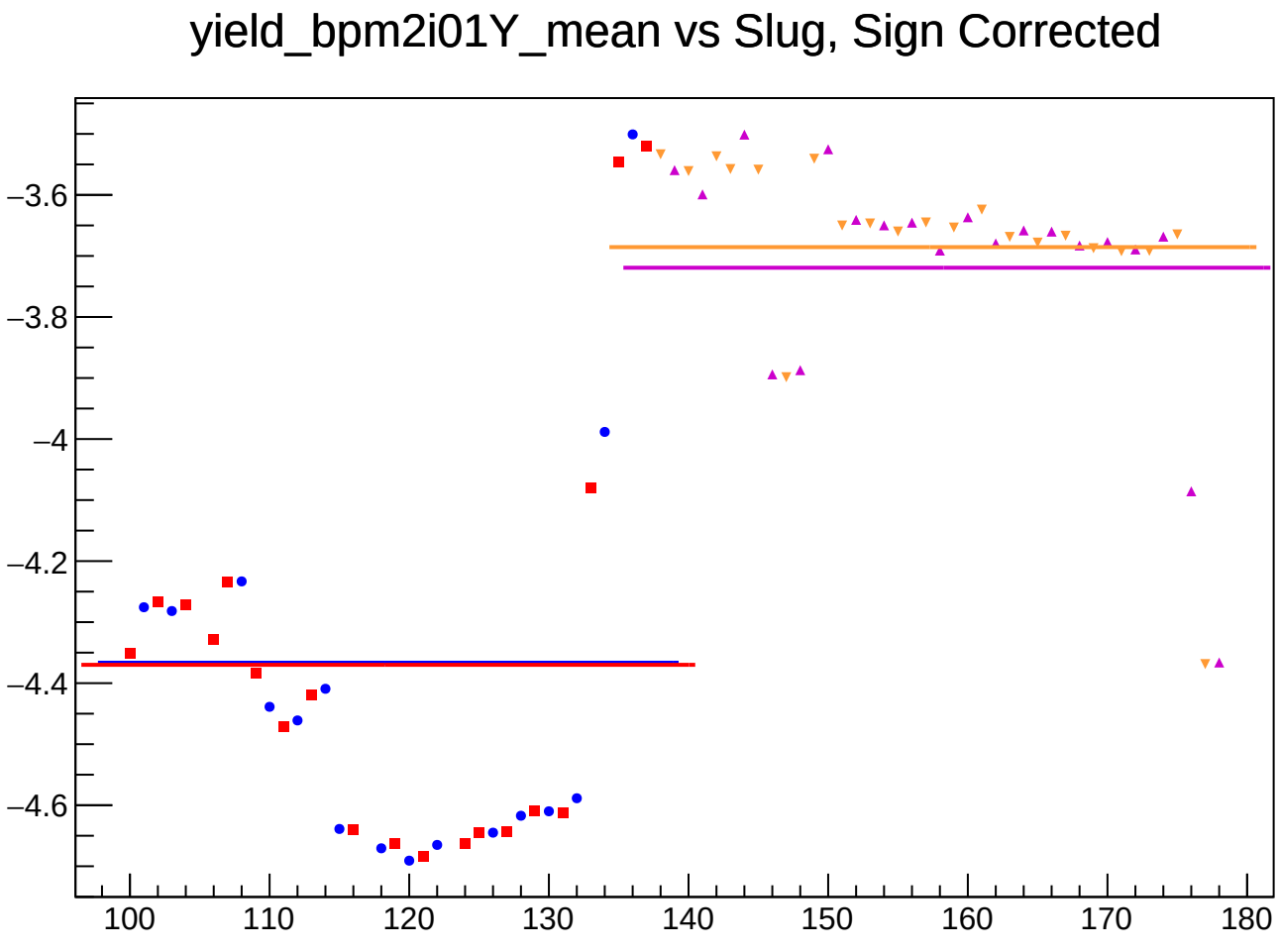
Left: 0.001+/-0.000 χ^2/NDF: 410994.1/40

Right: 0.001+/-0.000 χ^2/NDF: 83938.6/34

In: 0.001+/-0.000 χ^2/NDF:303339.6/35

Out: 0.001+/-0.000 χ^2/NDF:279893.1/39

All: 0.001+/-0.000 χ^2/NDF: 589165.6/75



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: -3.719+/-0.000 χ^2/NDF:207626035223.9/19

Left: -3.702+/-0.000 χ^2/NDF: 392831019493.4/40

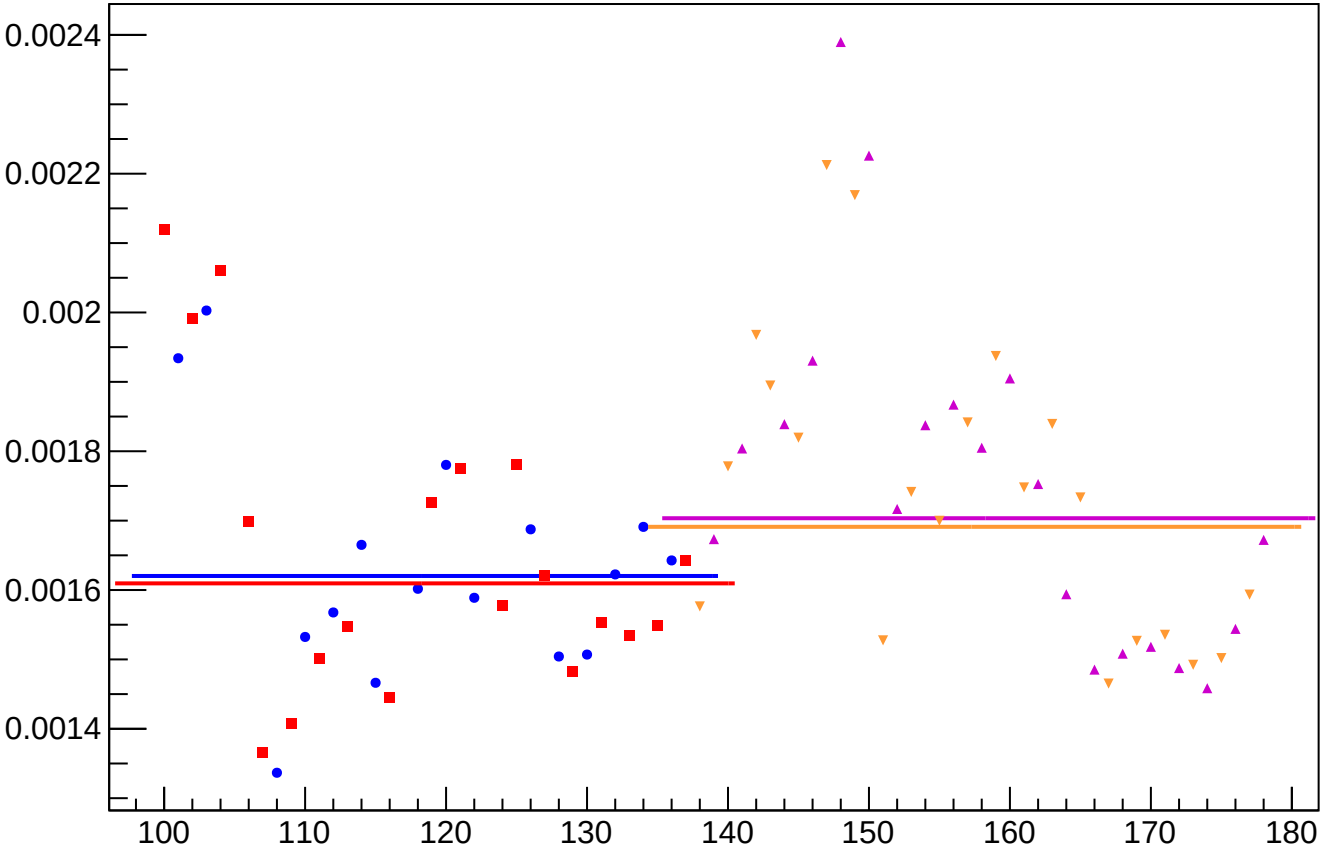
Right: -4.368+/-0.000 χ^2/NDF: 649165512283.3/34

In: -3.931+/-0.000 χ^2/NDF:1299316449159.2/35

Out: -3.911+/-0.000 χ^2/NDF:1340981199011.7/39

All: -3.921+/-0.000 χ^2/NDF: 2641849430270

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:492017.8/19

Left: 0.002+/-0.000 χ^2/NDF: 917037.7/40

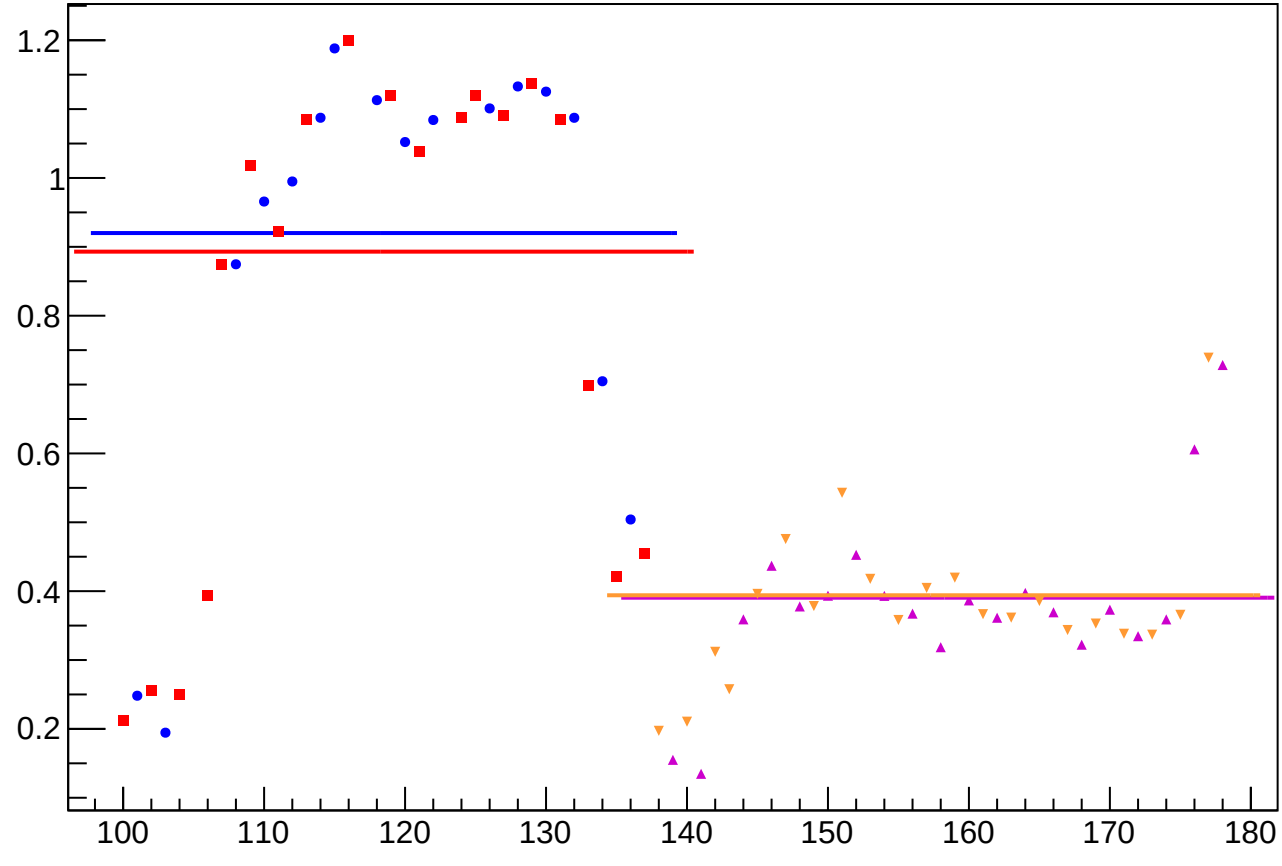
Right: 0.002+/-0.000 χ^2/NDF: 325489.2/34

In: 0.002+/-0.000 χ^2/NDF:656659.8/35

Out: 0.002+/-0.000 χ^2/NDF:633612.2/39

All: 0.002+/-0.000 χ^2/NDF: 1291464.5/75

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: 0.391+/-0.000 χ^2/NDF:4921038610.0/19

Left: 0.392+/-0.000 χ^2/NDF: 9413637282.6/40

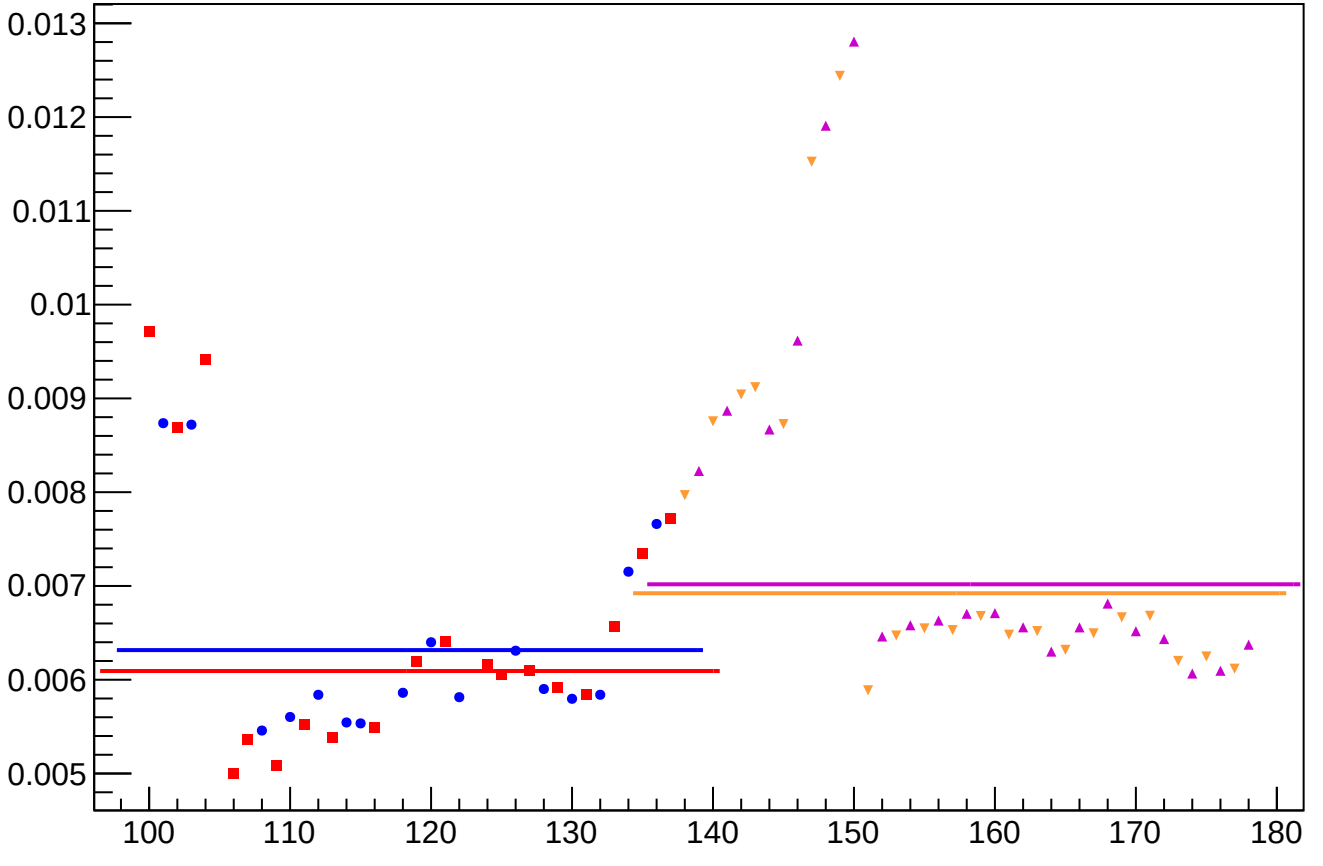
Right: 0.906+/-0.000 χ^2/NDF: 32276058175.7/34

In: 0.579+/-0.000 χ^2/NDF:51243215252.7/35

Out: 0.578+/-0.000 χ^2/NDF:52831500229.0/39

All: 0.578+/-0.000 χ^2/NDF: 104074834745.2

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:1127513.4/19

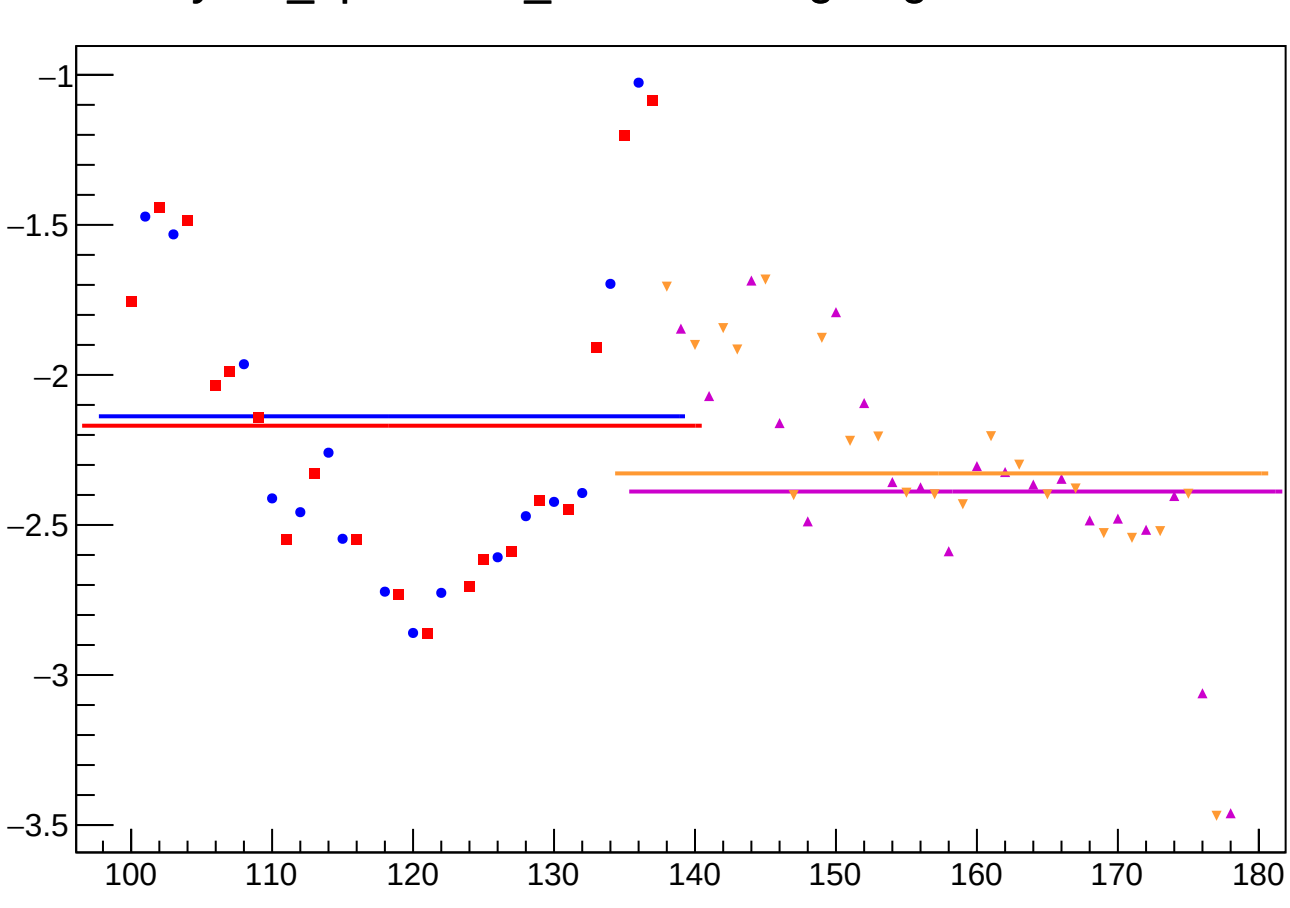
Left: 0.007+/-0.000 χ^2/NDF: 2207458.0/40

Right: 0.006+/-0.000 χ^2/NDF: 780835.2/34

In: 0.007+/-0.000 χ^2/NDF:1574790.0/35

Out: 0.007+/-0.000 χ^2/NDF:1682372.1/39

All: 0.007+/-0.000 χ^2/NDF: 3268966.3/75



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: -2.389+/-0.000 χ^2/NDF:52939427082.7/19

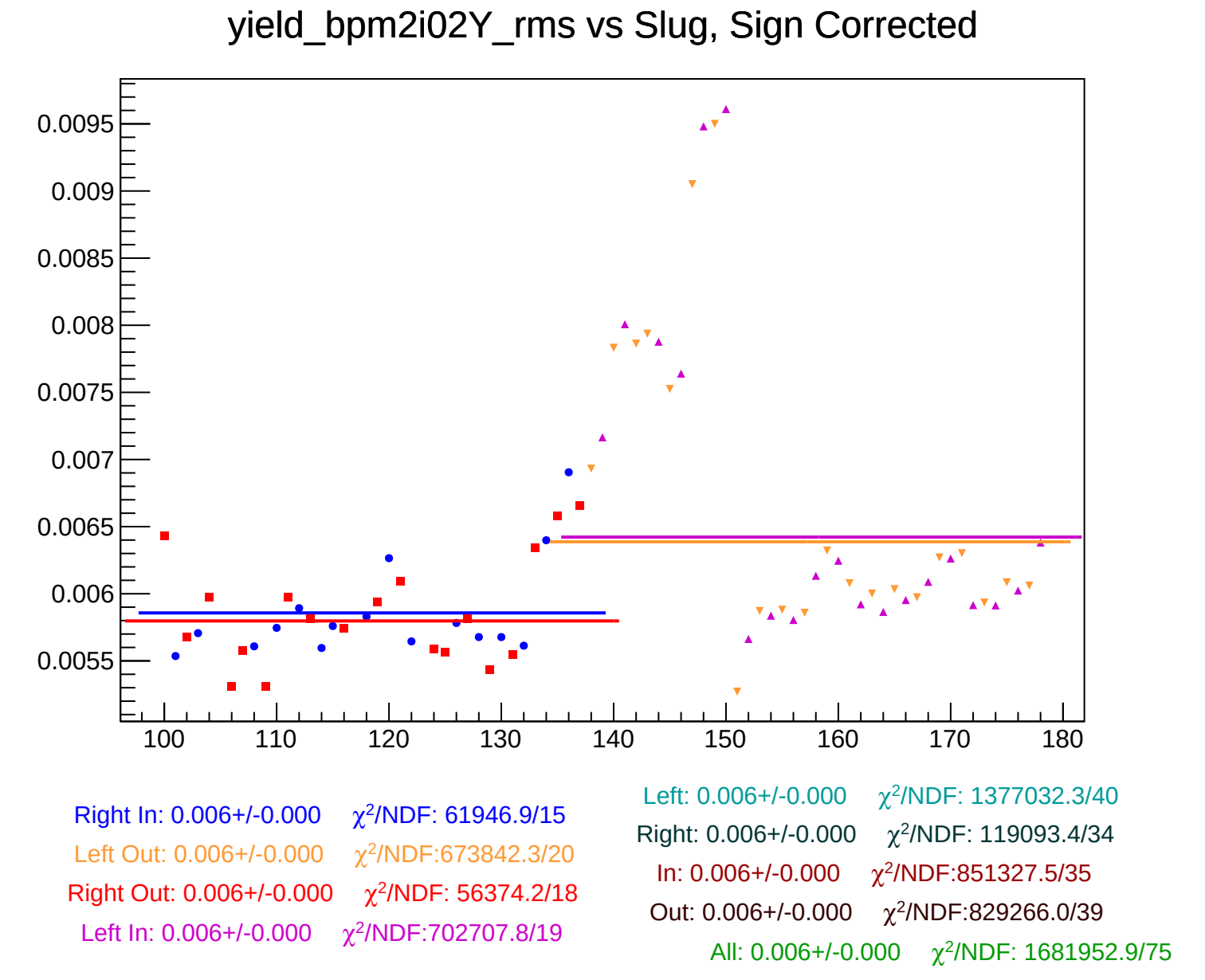
Left: -2.358+/-0.000 χ^2/NDF: 107013224649.6/40

Right: -2.154+/-0.000 χ^2/NDF: 123181980201.2/34

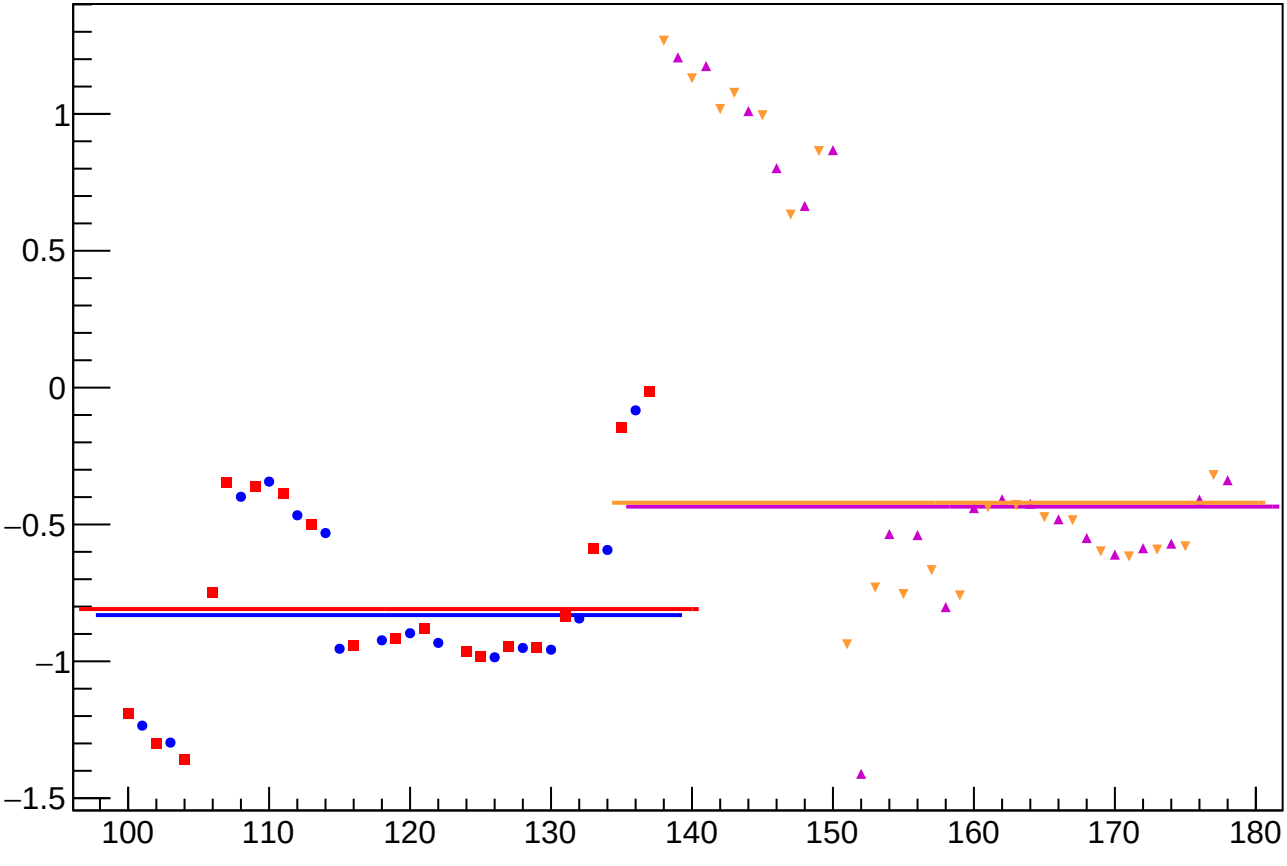
In: -2.300+/-0.000 χ^2/NDF:127148400304.4/35

Out: -2.271+/-0.000 χ^2/NDF:114365788448.9/39

All: -2.286+/-0.000 χ^2/NDF: 241771279261.0


yield_bpm2i02Y_rms vs Slug, Sign Corrected
0.0095
0.009
0.0085
0.008
0.0075
0.007
0.0065
0.006
0.0055
100
110
120
130
140
150
160
170
180
Right In: 0.006+/-0.000 χ²/NDF: 61946.9/15
Left Out: 0.006+/-0.000 χ²/NDF:673842.3/20
Right Out: 0.006+/-0.000 χ²/NDF: 56374.2/18
Left In: 0.006+/-0.000 χ²/NDF:702707.8/19
Left: 0.006+/-0.000 χ²/NDF: 1377032.3/40
Right: 0.006+/-0.000 χ²/NDF: 119093.4/34
In: 0.006+/-0.000 χ²/NDF:851327.5/35
Out: 0.006+/-0.000 χ²/NDF:829266.0/39
All: 0.006+/-0.000 χ²/NDF: 1681952.9/75

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: -0.435+/-0.000 χ^2/NDF:89808386377.3/19

Left: -0.428+/-0.000 χ^2/NDF: 171044241779.3/40

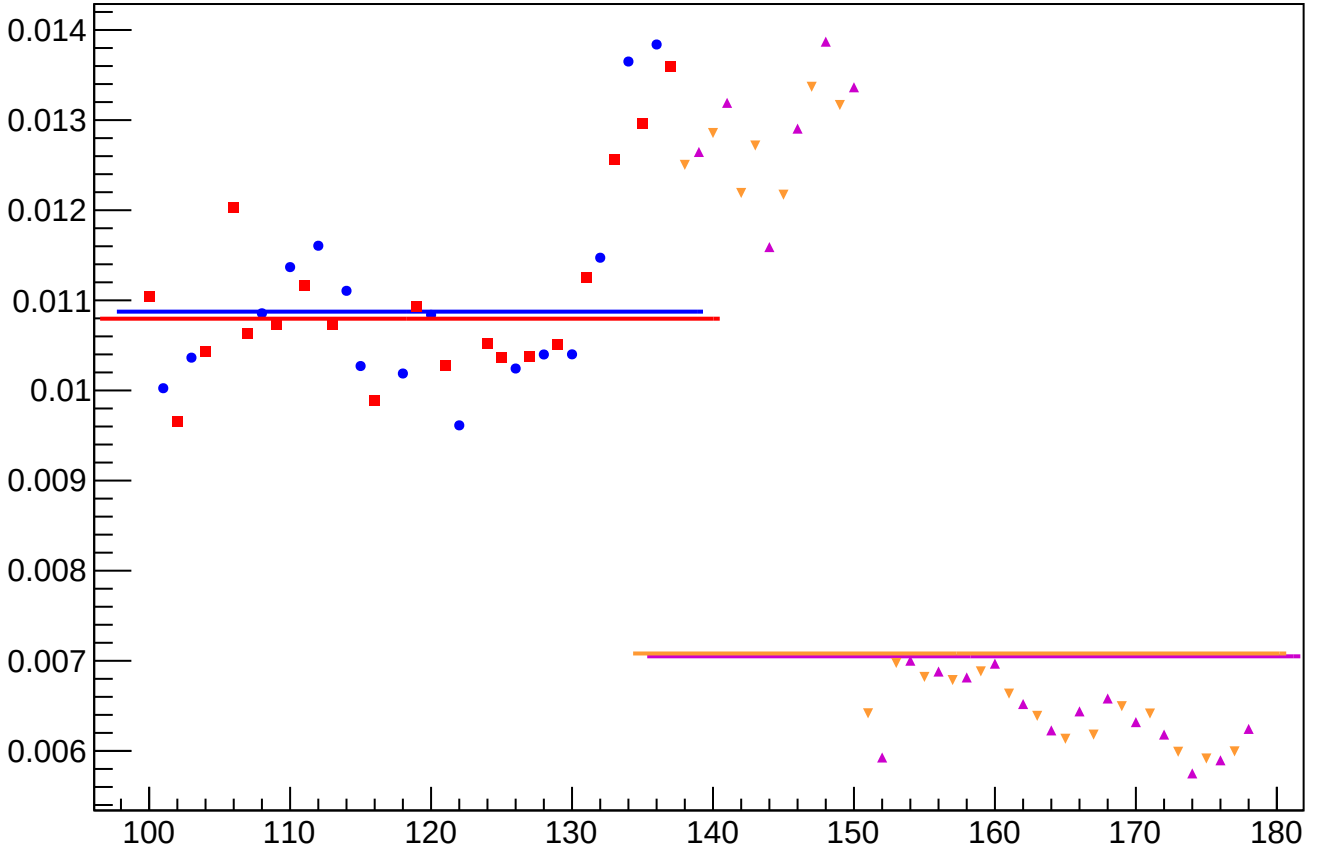
Right: -0.820+/-0.000 χ^2/NDF: 15273298764.6/34

In: -0.501+/-0.000 χ^2/NDF:104715059788.5/35

Out: -0.487+/-0.000 χ^2/NDF:97114299621.1/39

All: -0.494+/-0.000 χ^2/NDF: 201863360641.8

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:2443711.8/19

Left: 0.007+/-0.000 χ^2/NDF: 4823509.5/40

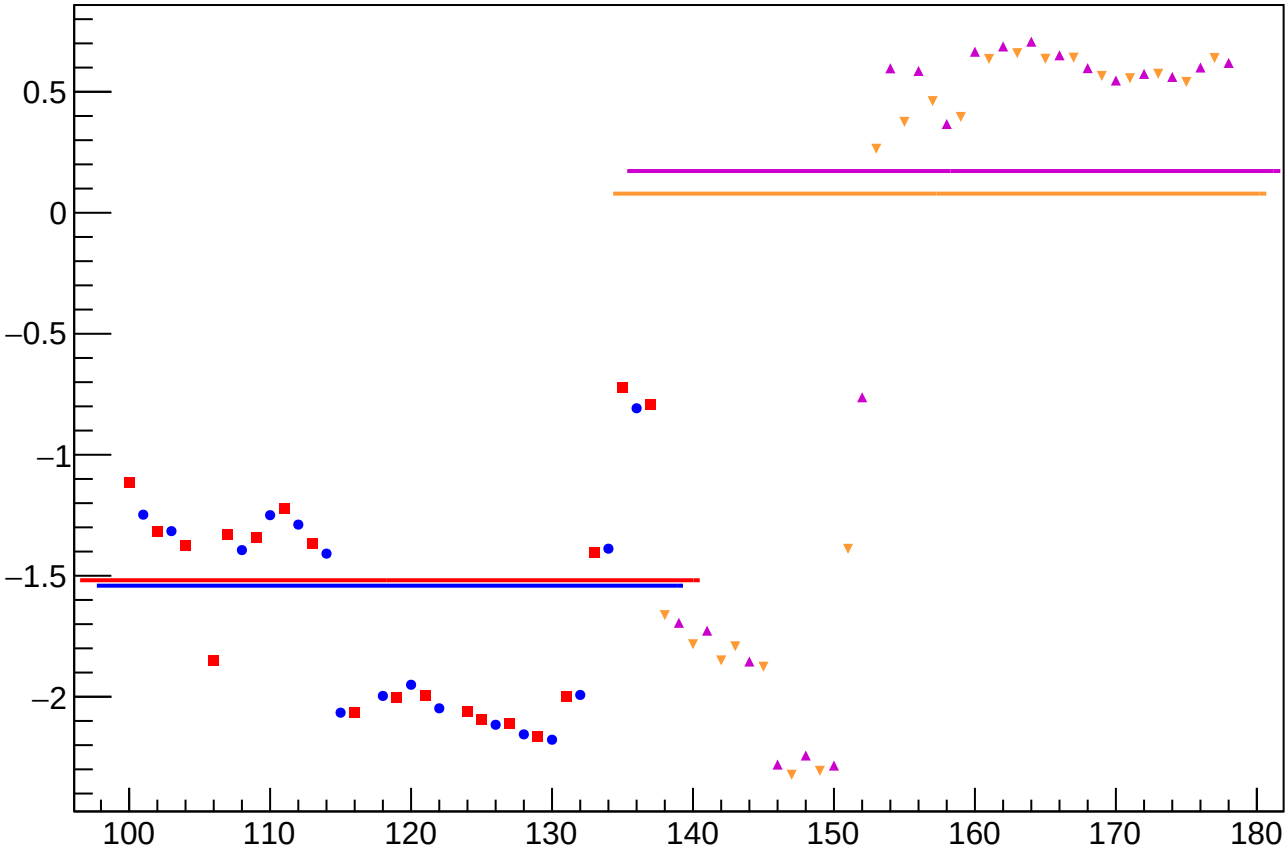
Right: 0.011+/-0.000 χ^2/NDF: 257107.2/34

In: 0.008+/-0.000 χ^2/NDF:4052514.7/35

Out: 0.008+/-0.000 χ^2/NDF:3898182.7/39

All: 0.008+/-0.000 χ^2/NDF: 7951002.5/75

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: 0.173+/-0.000 χ^2/NDF:2071106756801.6/19

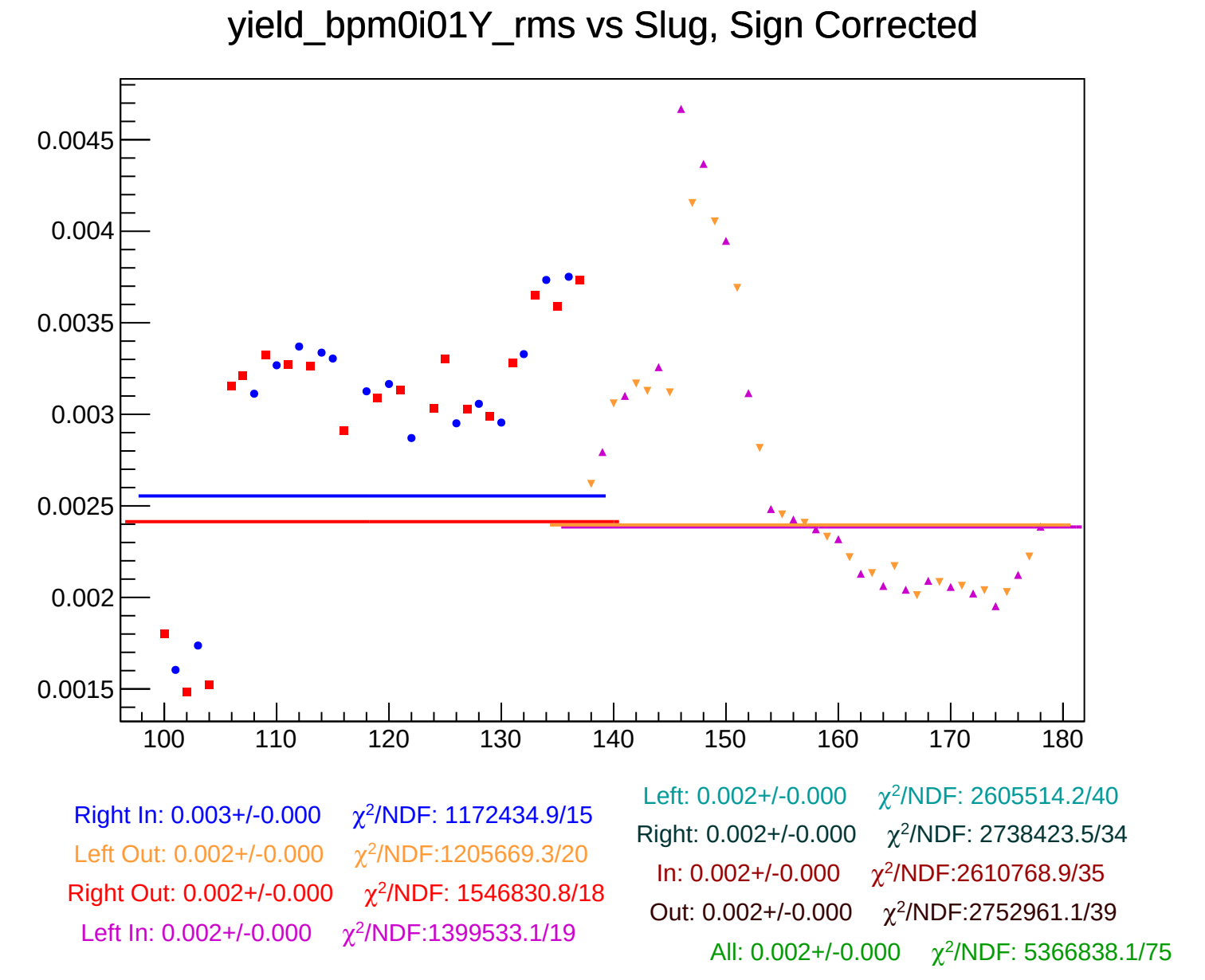
Left: 0.125+/-0.000 χ^2/NDF: 4381529571137.0/40

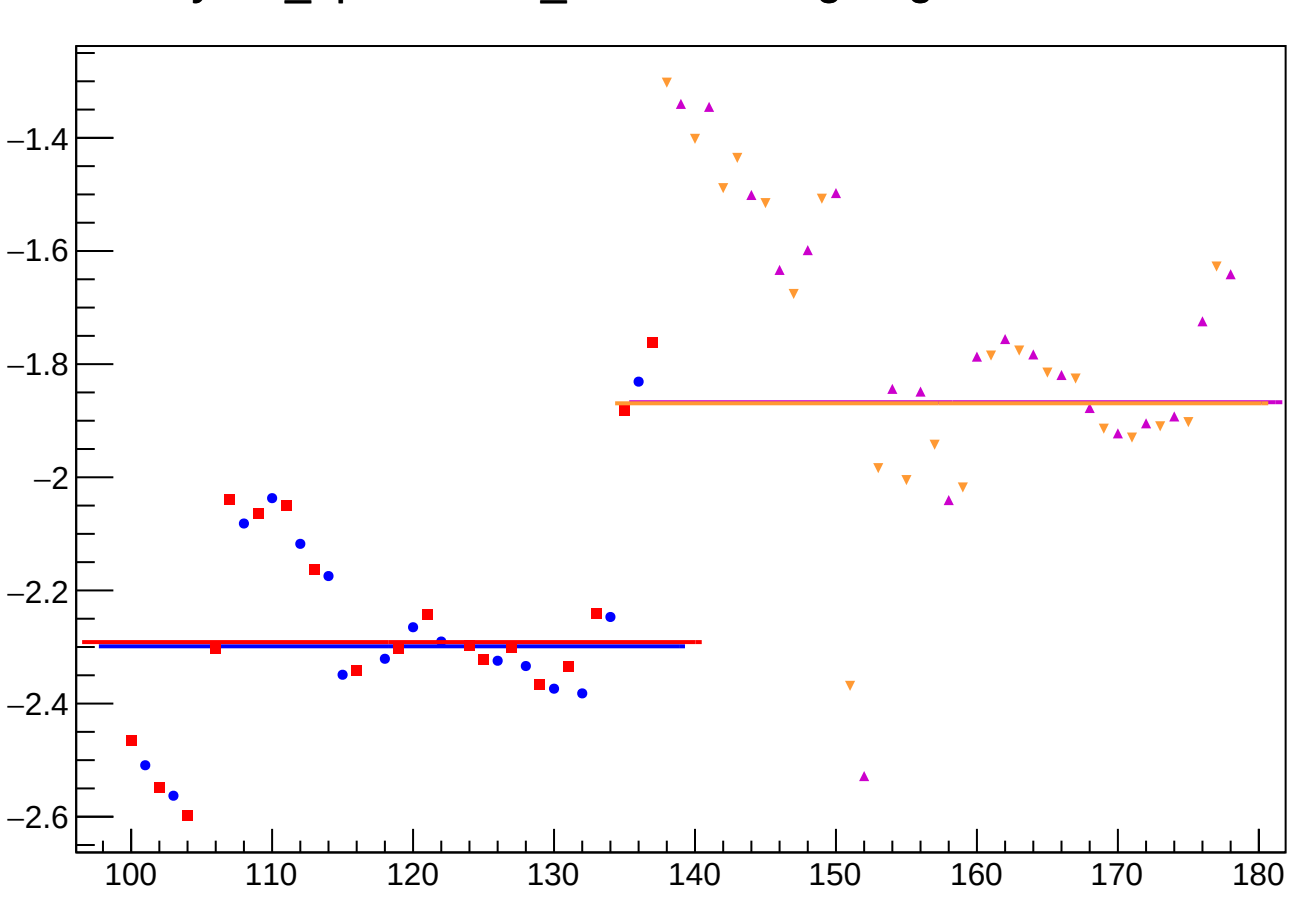
Right: -1.529+/-0.000 χ^2/NDF: 307732116783.0/34

In: -0.294+/-0.000 χ^2/NDF:4217159116295.5/35

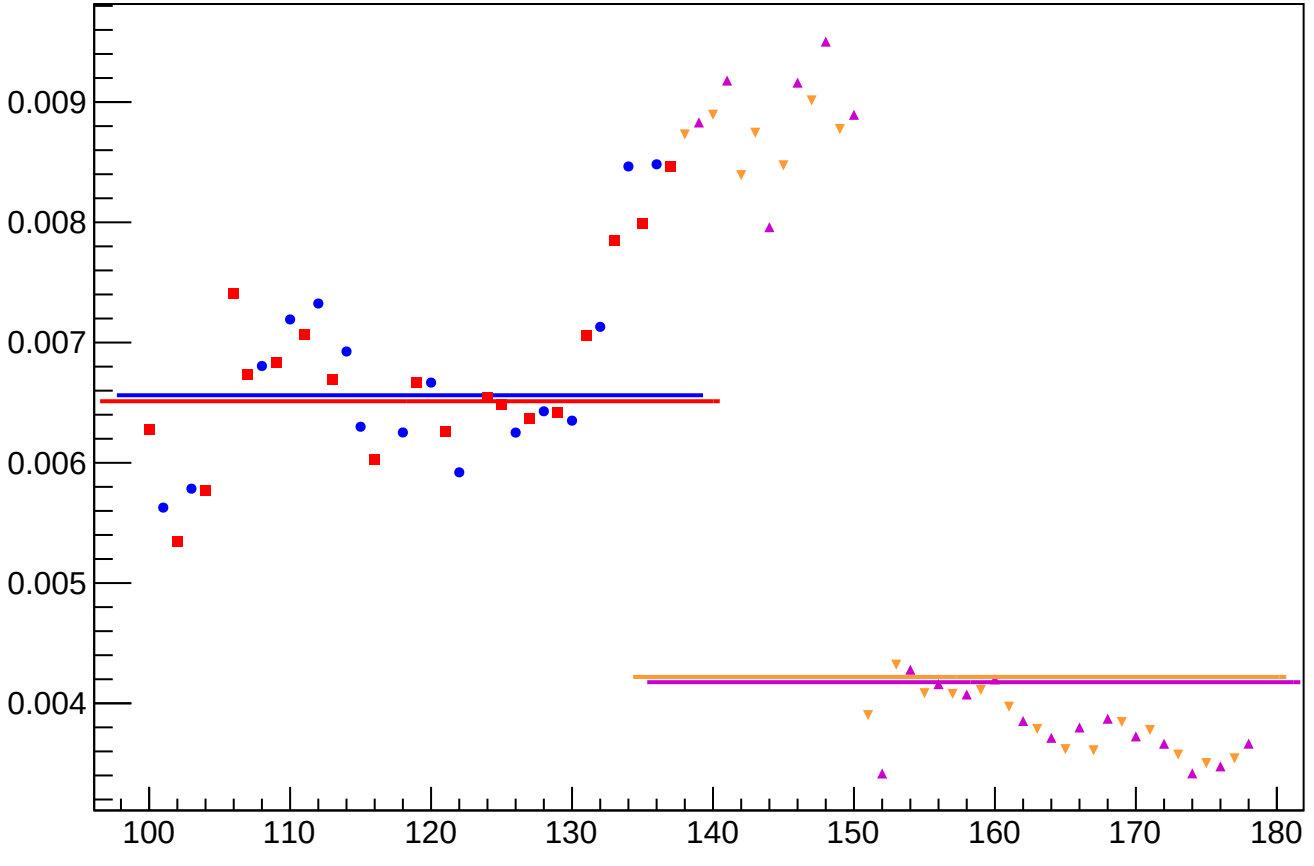
Out: -0.379+/-0.000 χ^2/NDF:4295964939257.8/39

All: -0.338+/-0.000 χ^2/NDF: 8525612480012


yield_bpm0i01Y_rms vs Slug, Sign Corrected
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
100
110
120
130
140
150
160
170
180
Right In: 0.003+/-0.000 χ²/NDF: 1172434.9/15
Left Out: 0.002+/-0.000 χ²/NDF:1205669.3/20
Right Out: 0.002+/-0.000 χ²/NDF: 1546830.8/18
Left In: 0.002+/-0.000 χ²/NDF:1399533.1/19
Left: 0.002+/-0.000 χ²/NDF: 2605514.2/40
Right: 0.002+/-0.000 χ²/NDF: 2738423.5/34
In: 0.002+/-0.000 χ²/NDF:2610768.9/35
Out: 0.002+/-0.000 χ²/NDF:2752961.1/39
All: 0.002+/-0.000 χ²/NDF: 5366838.1/75


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: -1.867+/-0.000 χ²/NDF:48059330129.2/19
Left: -1.868+/-0.000 χ²/NDF: 79454711819.8/40
Right: -2.295+/-0.000 χ²/NDF: 12964639512.9/34
In: -1.938+/-0.000 χ²/NDF:79183403129.8/35
Out: -1.941+/-0.000 χ²/NDF:62975528680.3/39
All: -1.940+/-0.000 χ²/NDF: 142162460860.9

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 221890.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:3083007.9/20

Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.004+/-0.000 χ^2/NDF:3174500.3/19

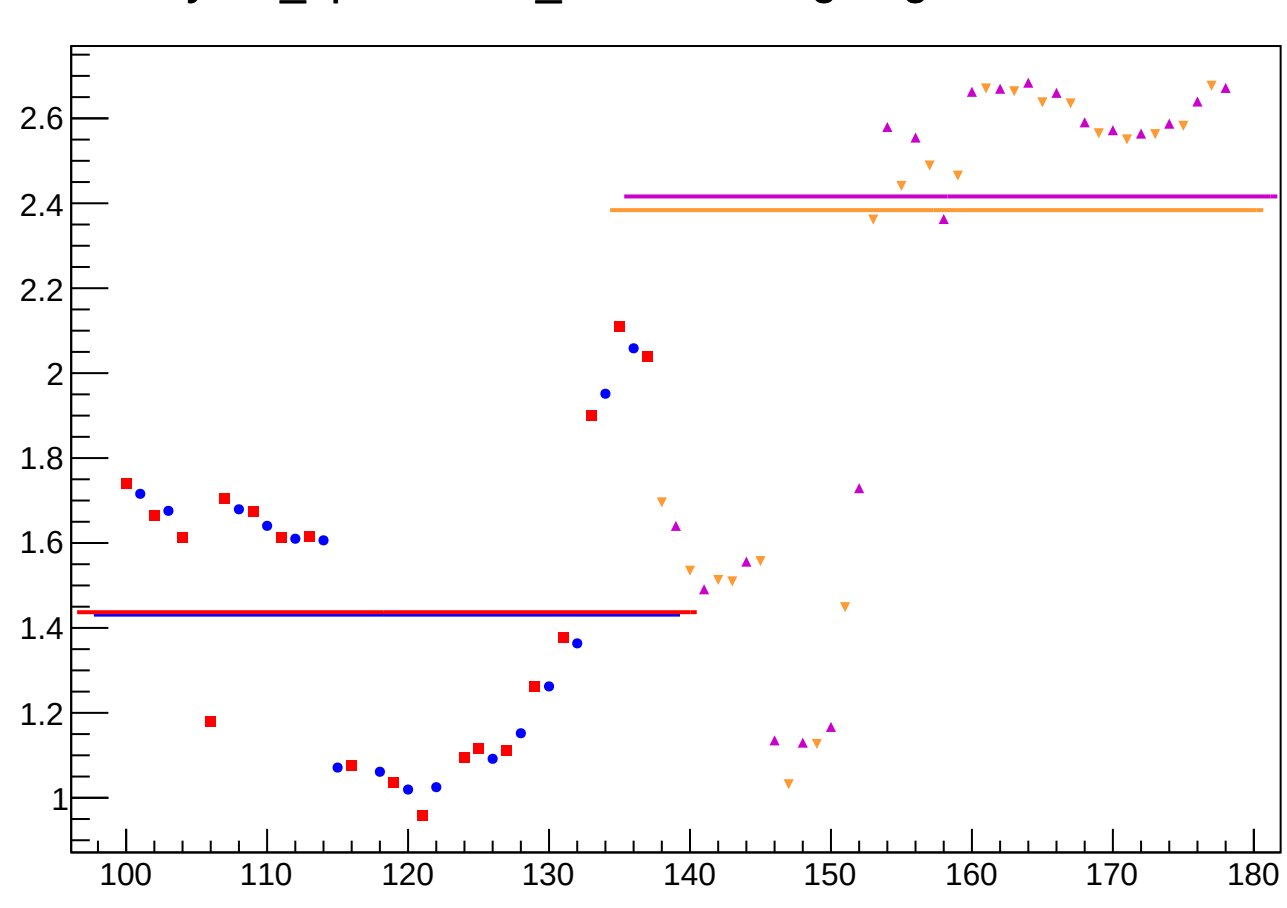
Left: 0.004+/-0.000 χ^2/NDF: 6259060.9/40

Right: 0.007+/-0.000 χ^2/NDF: 407258.0/34

In: 0.005+/-0.000 χ^2/NDF:4925342.8/35

Out: 0.005+/-0.000 χ^2/NDF:4728690.7/39

All: 0.005+/-0.000 χ^2/NDF: 9655658.2/75



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: 2.416+/-0.000 χ^2/NDF:223684772361.3/19

Left: 2.400+/-0.000 χ^2/NDF: 456348558641.4/40

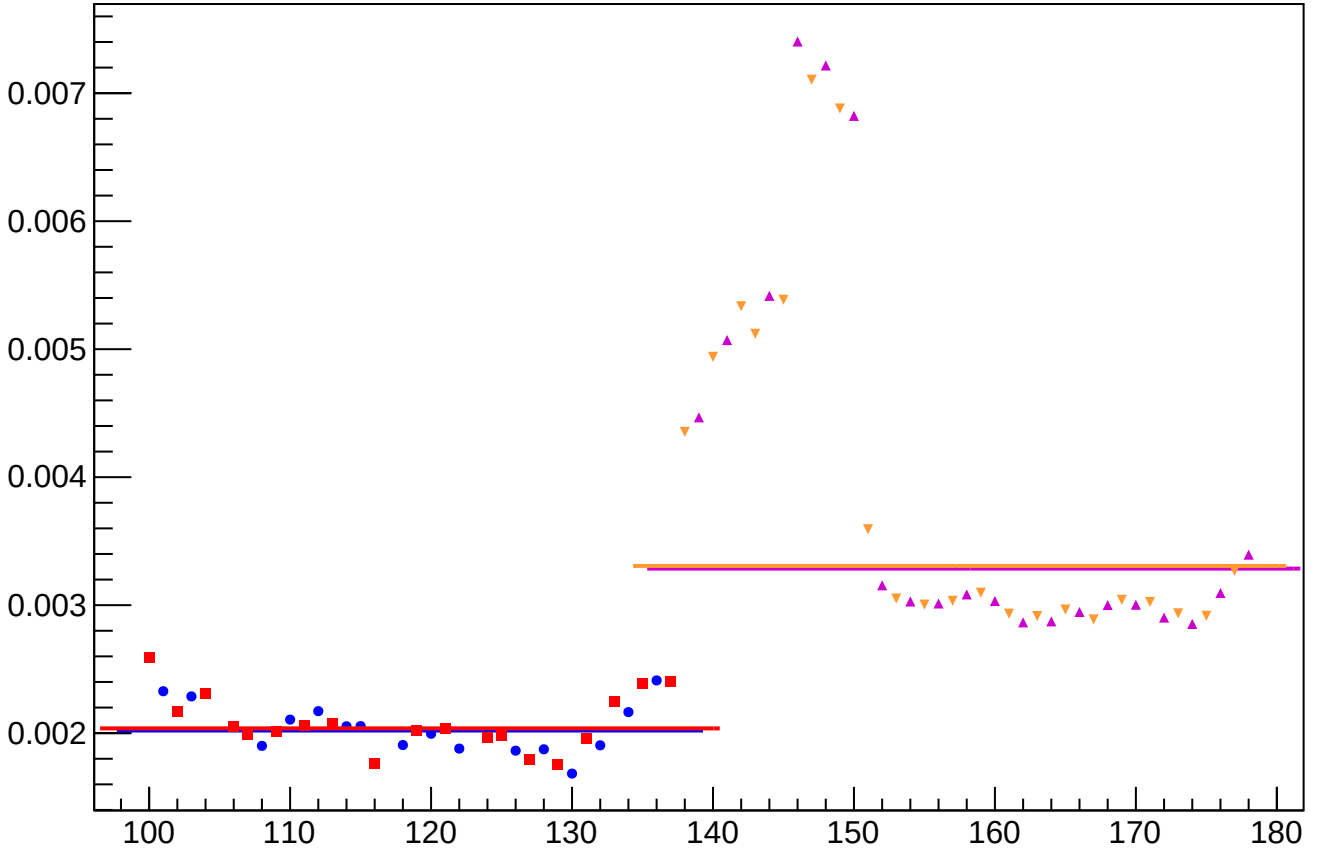
Right: 1.434+/-0.000 χ^2/NDF: 371226177704.8/34

In: 1.875+/-0.000 χ^2/NDF:1123123404884.0/35

Out: 1.867+/-0.000 χ^2/NDF:1077601099782.3/39

All: 1.871+/-0.000 χ^2/NDF: 2200828684221.

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:1767673.9/20

Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.003+/-0.000 χ^2/NDF:2019482.8/19

Left: 0.003+/-0.000 χ^2/NDF: 3787739.9/40

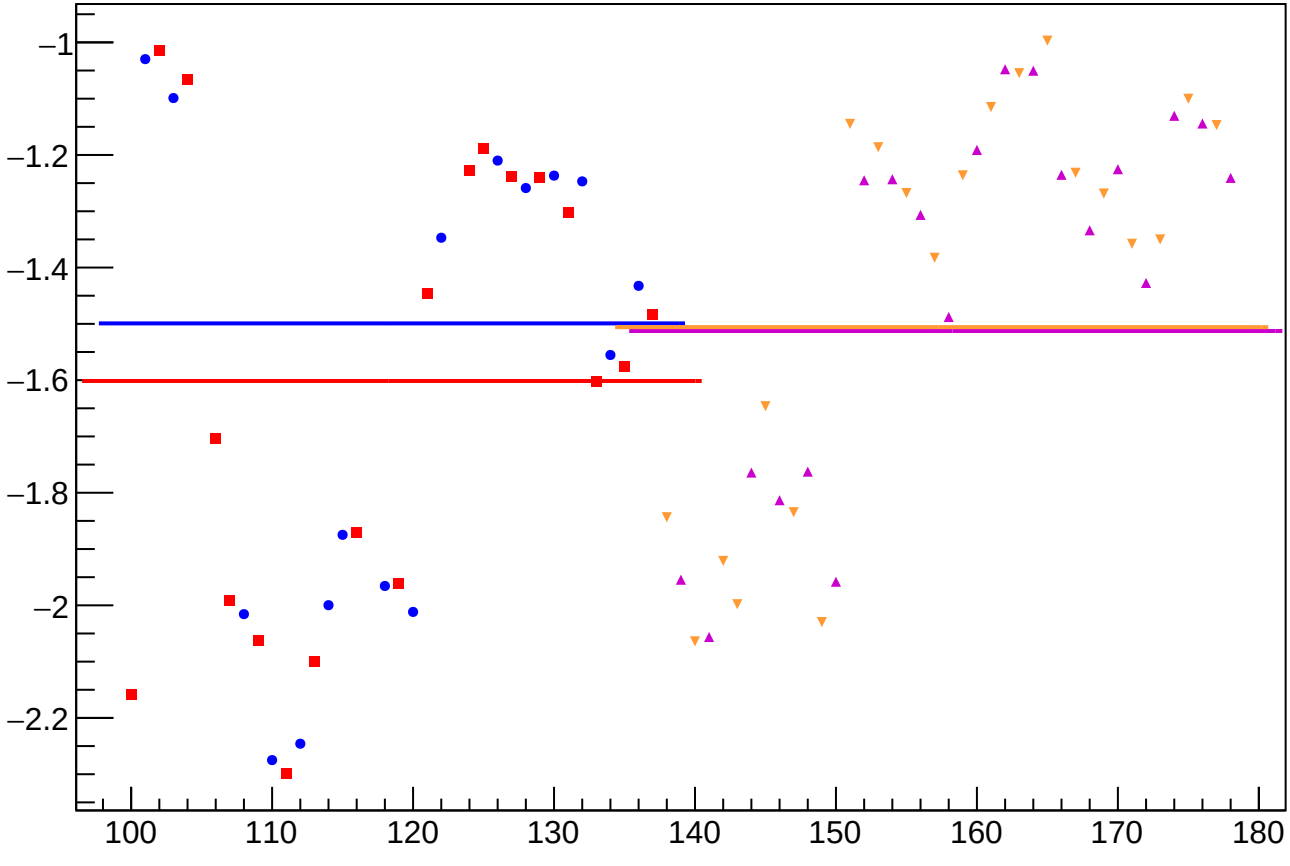
Right: 0.002+/-0.000 χ^2/NDF: 269026.9/34

In: 0.003+/-0.000 χ^2/NDF:4519383.9/35

Out: 0.003+/-0.000 χ^2/NDF:4265752.8/39

All: 0.003+/-0.000 χ^2/NDF: 8786664.2/75

yield_bpm0l01X_mean vs Slug, Sign Corrected



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: -1.513+/-0.000 χ^2/NDF:37009998321.2/19

Left: -1.509+/-0.000 χ^2/NDF: 83614626567.9/40

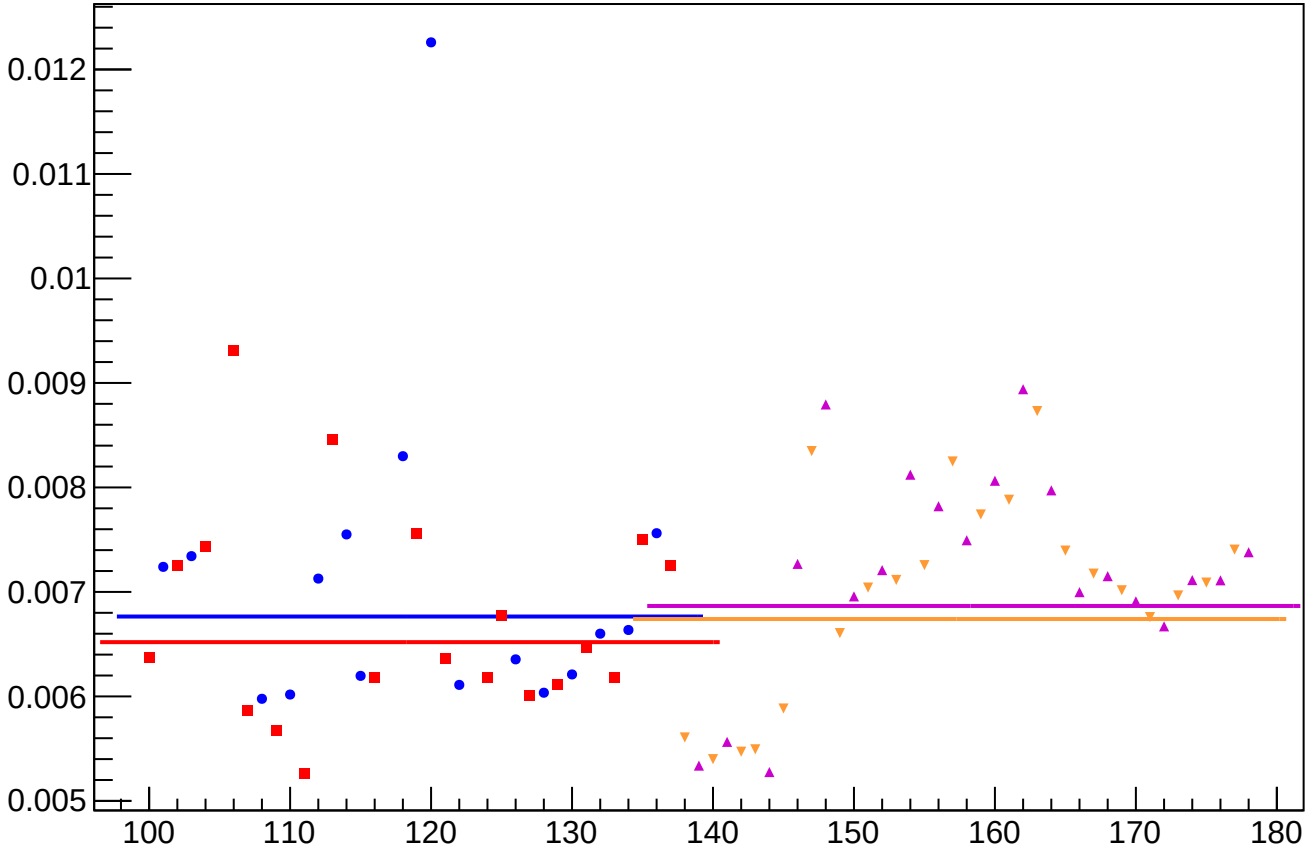
Right: -1.554+/-0.000 χ^2/NDF: 52047267484.5/34

In: -1.509+/-0.000 χ^2/NDF:59958347854.3/35

Out: -1.537+/-0.000 χ^2/NDF:75928463388.6/39

All: -1.523+/-0.000 χ^2/NDF: 136076837109.9

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:692208.7/19

Left: 0.007+/-0.000 χ^2/NDF: 1316841.0/40

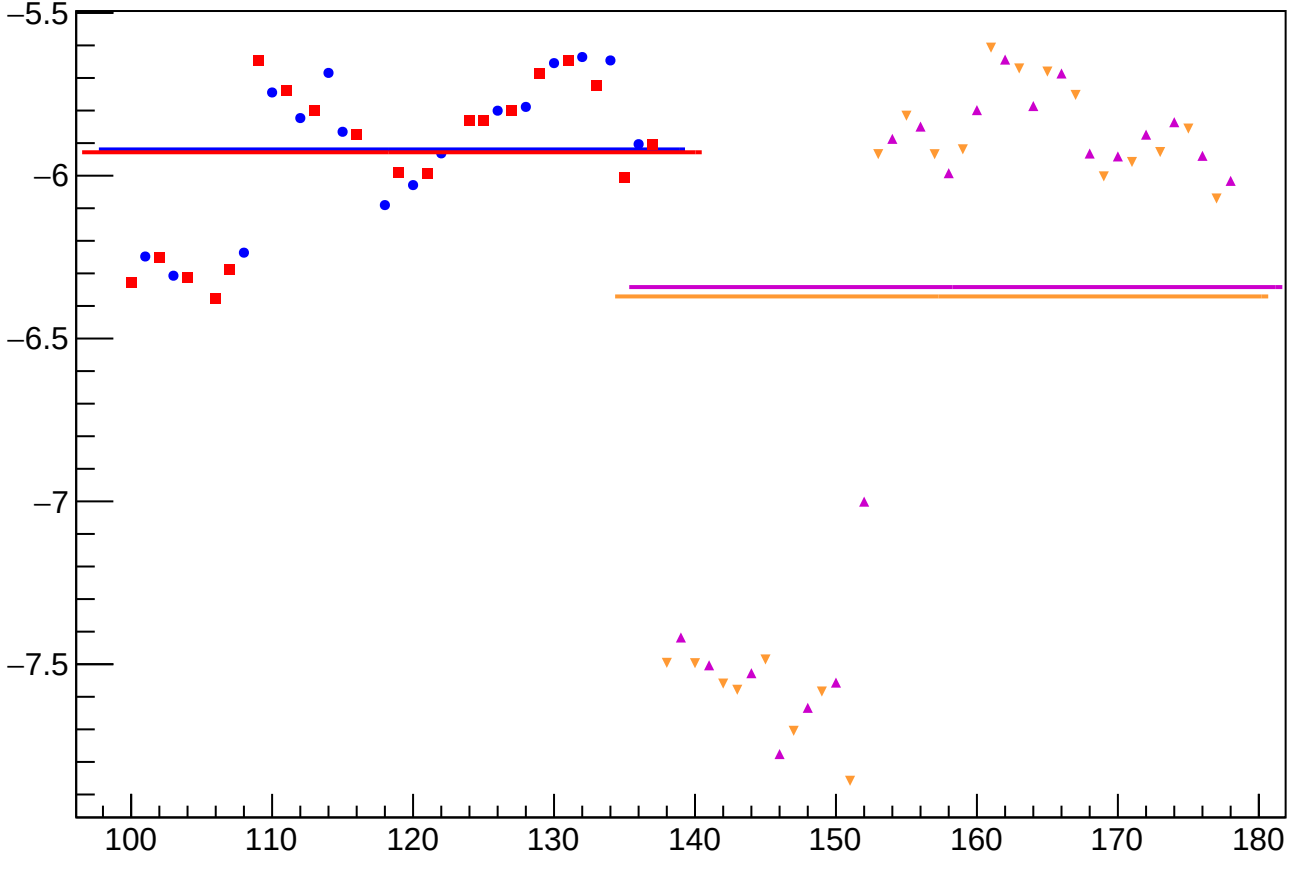
Right: 0.007+/-0.000 χ^2/NDF: 493094.9/34

In: 0.007+/-0.000 χ^2/NDF:932783.5/35

Out: 0.007+/-0.000 χ^2/NDF:875680.2/39

All: 0.007+/-0.000 χ^2/NDF: 1821630.5/75

yield_bpm0l01Y_mean vs Slug, Sign Corrected



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: -6.342+/-0.000 χ^2/NDF:90093453455.0/19

Left: -6.357+/-0.000 χ^2/NDF: 198023248039.4/40

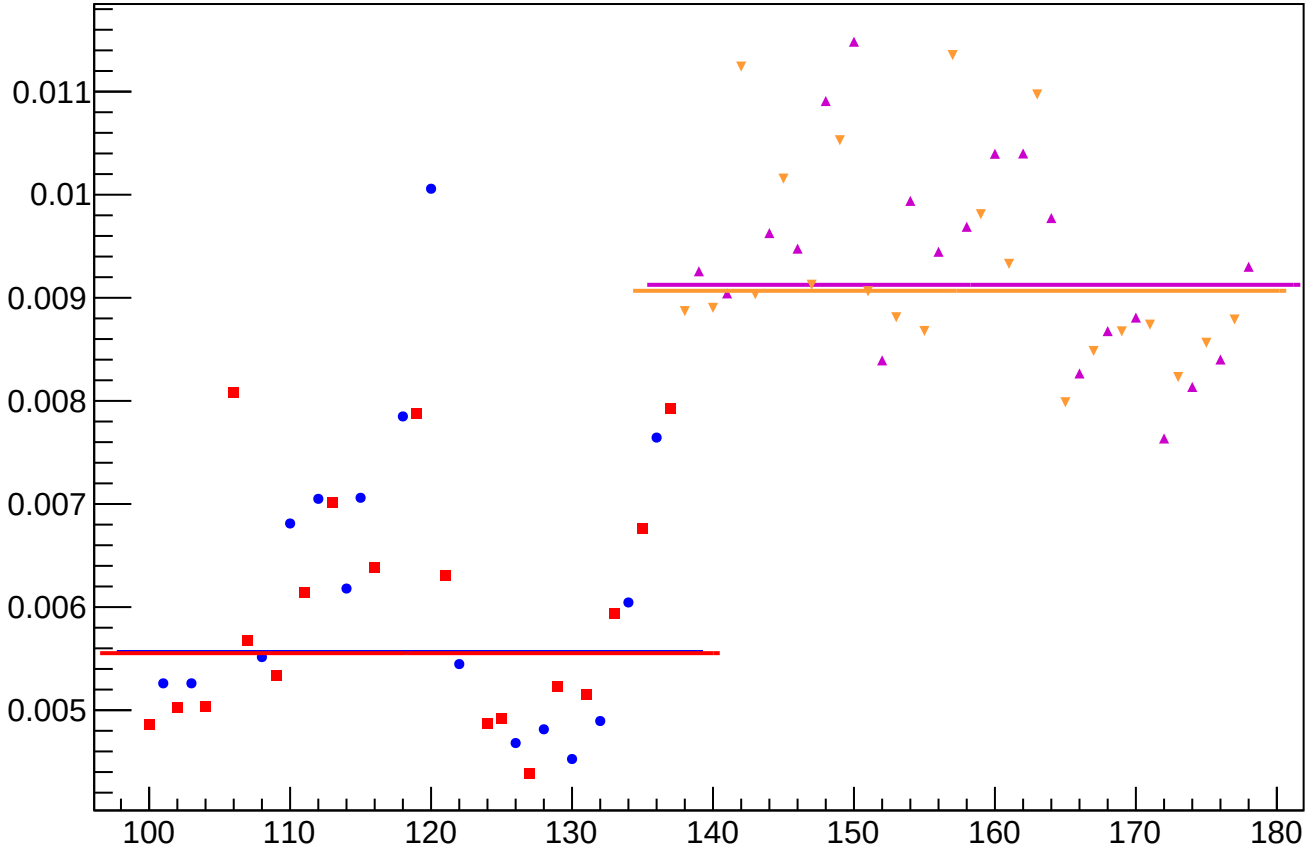
Right: -5.924+/-0.000 χ^2/NDF: 24391751979.3/34

In: -6.110+/-0.000 χ^2/NDF:117836651026.2/35

Out: -6.124+/-0.000 χ^2/NDF:138790966140.9/39

All: -6.117+/-0.000 χ^2/NDF: 256662633883.8

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:228006.5/20

Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.009+/-0.000 χ^2/NDF:284258.9/19

Left: 0.009+/-0.000 χ^2/NDF: 512822.0/40

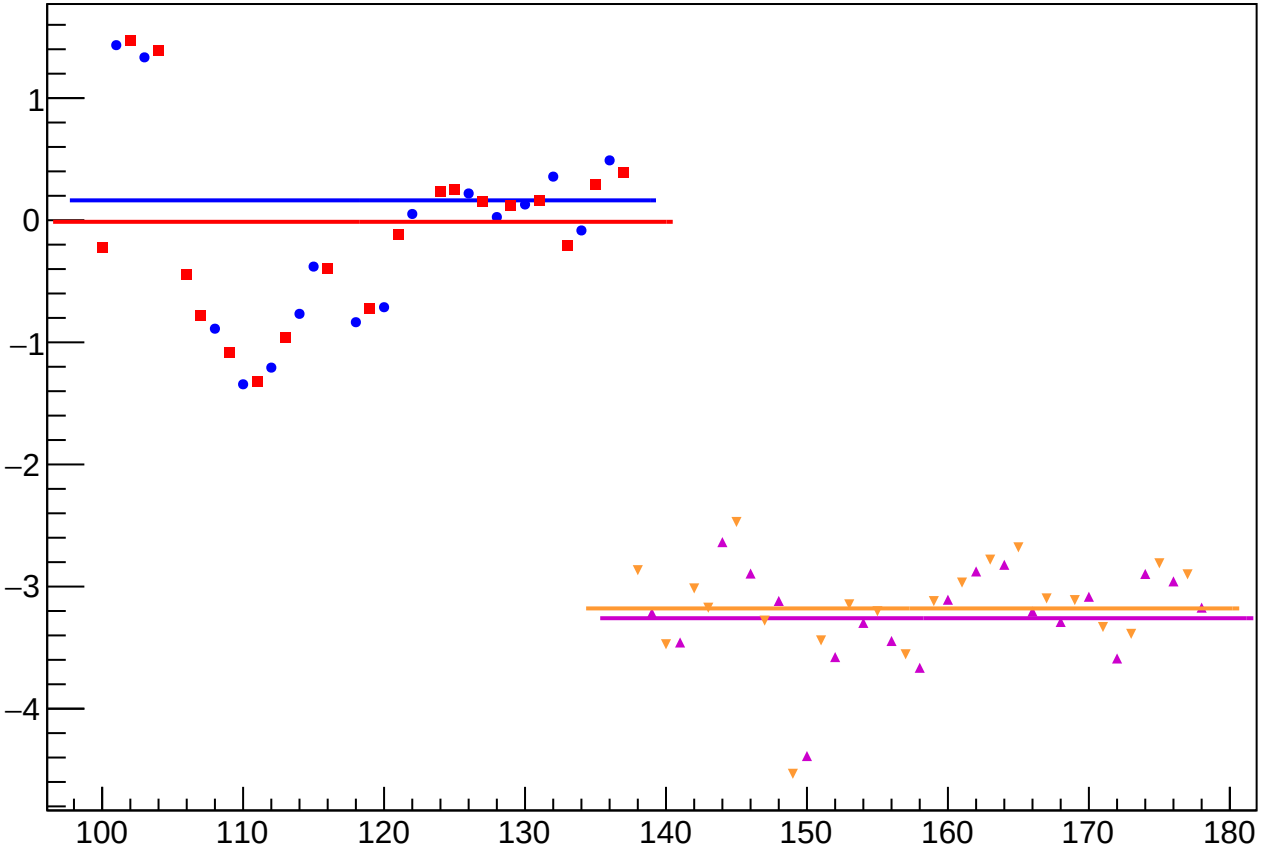
Right: 0.006+/-0.000 χ^2/NDF: 860112.8/34

In: 0.007+/-0.000 χ^2/NDF:3052648.2/35

Out: 0.007+/-0.000 χ^2/NDF:2898448.2/39

All: 0.007+/-0.000 χ^2/NDF: 5952622.9/75

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: -3.259+/-0.000 χ^2/NDF:7441288620.4/19

Left: -3.218+/-0.000 χ^2/NDF: 16552226328.9/40

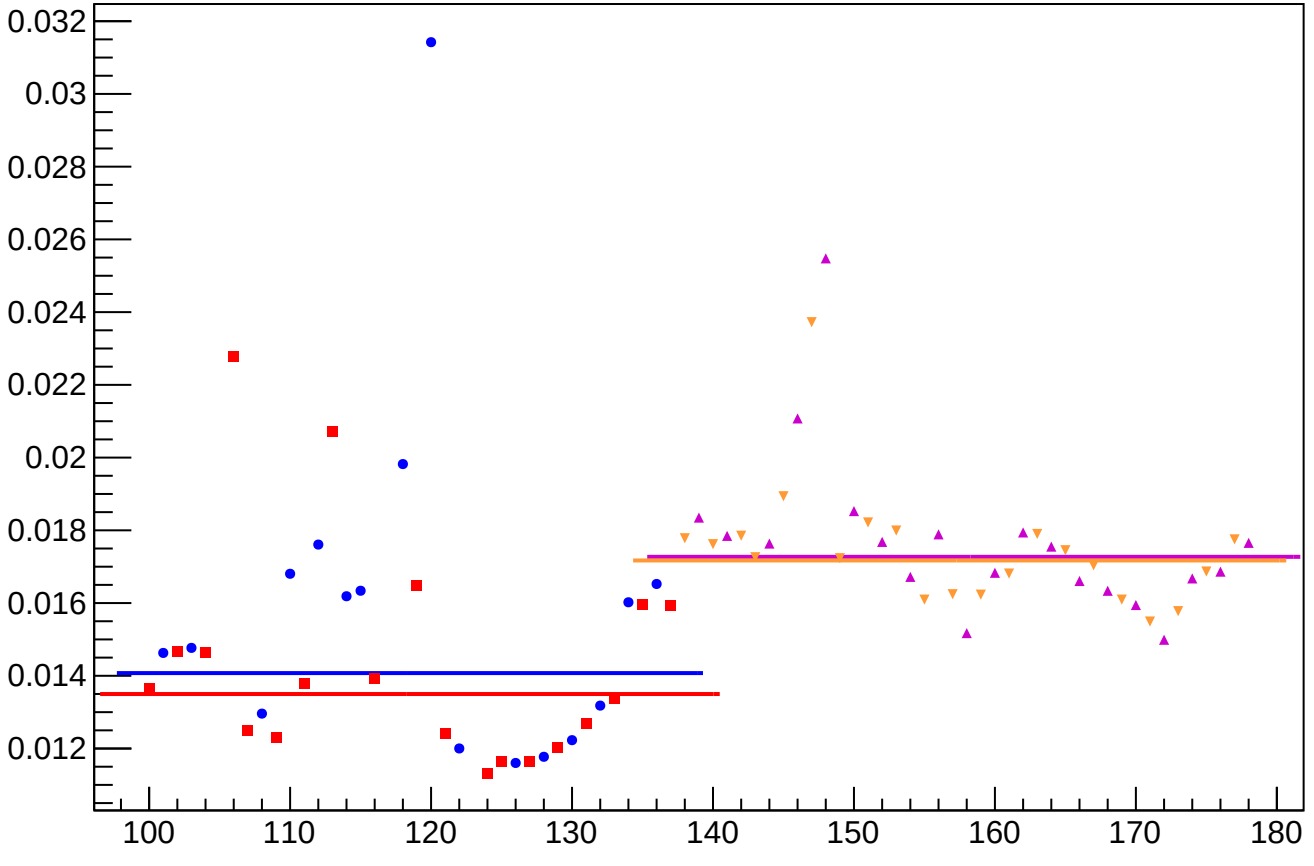
Right: 0.068+/-0.000 χ^2/NDF: 40953433371.5/34

In: -1.962+/-0.000 χ^2/NDF:256870266418.1/35

Out: -1.888+/-0.000 χ^2/NDF:252132300415.6/39

All: -1.924+/-0.000 χ^2/NDF: 509244928272.0

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:323724.2/19

Left: 0.017+/-0.000 χ^2/NDF: 526121.4/40

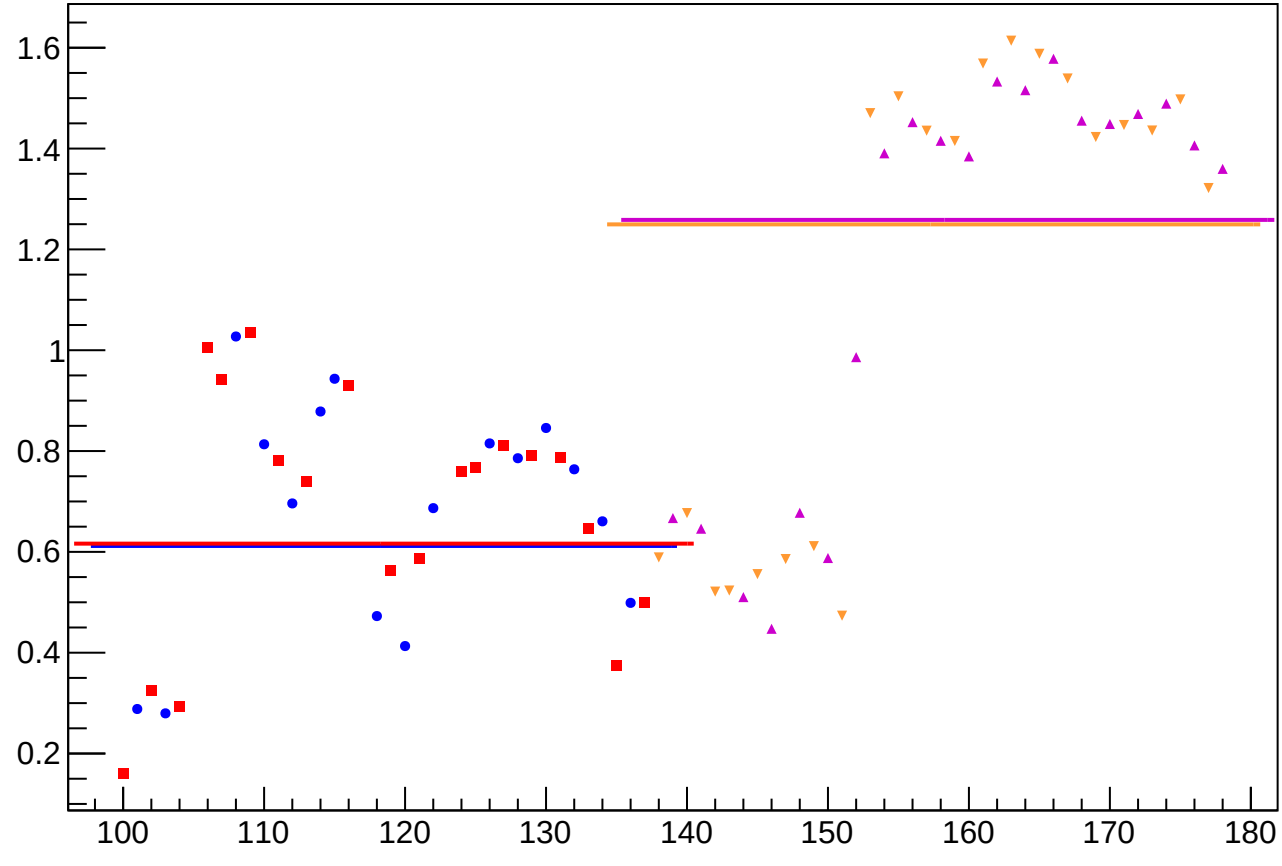
Right: 0.014+/-0.000 χ^2/NDF: 791602.0/34

In: 0.016+/-0.000 χ^2/NDF:1193223.6/35

Out: 0.016+/-0.000 χ^2/NDF:1110715.2/39

All: 0.016+/-0.000 χ^2/NDF: 2316968.0/75

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 1.250+/-0.000 χ^2/NDF:45054945336.2/20

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

Left In: 1.259+/-0.000 χ^2/NDF:37361309402.9/19

Left: 1.254+/-0.000 χ^2/NDF: 82428132523.9/40

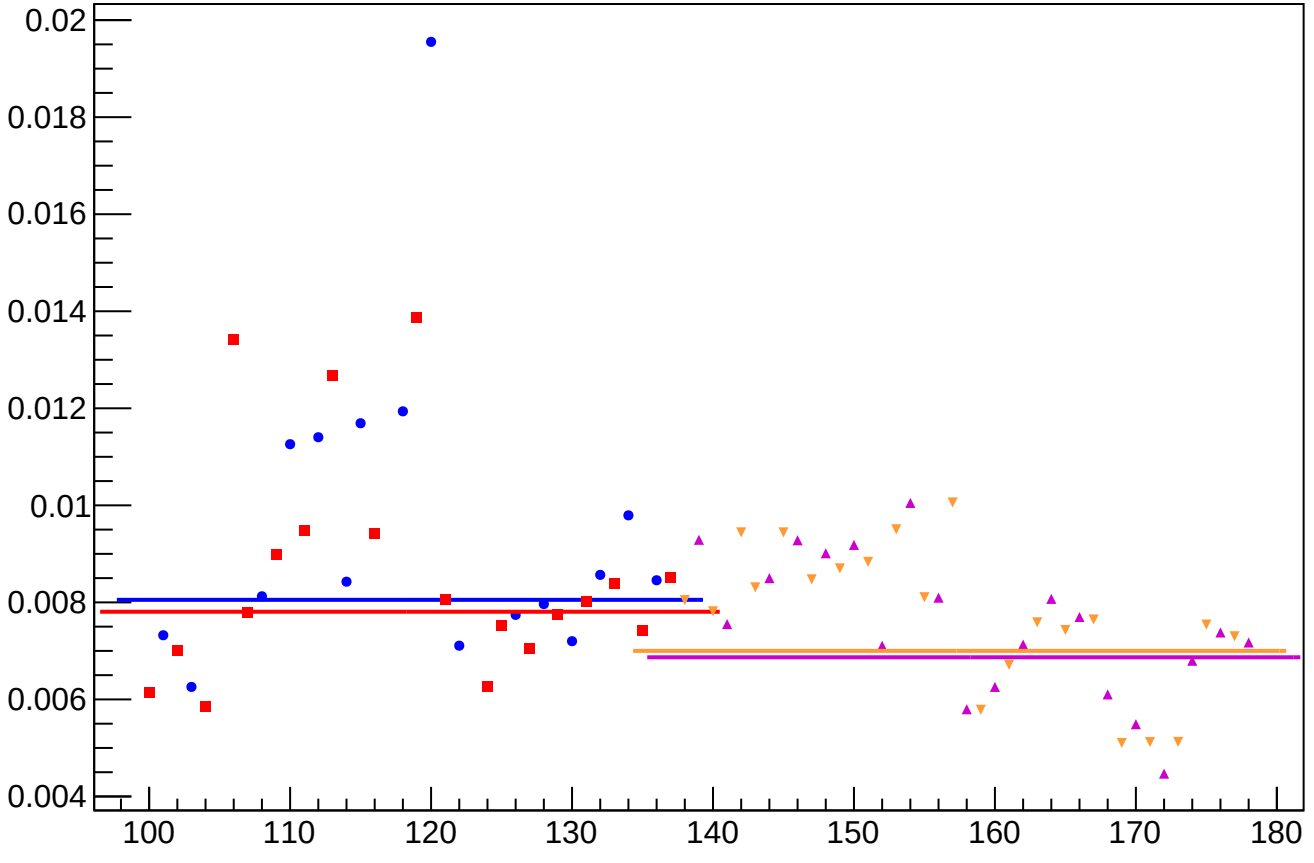
Right: 0.614+/-0.000 χ^2/NDF: 12059563453.6/34

In: 1.105+/-0.000 χ^2/NDF:73169651189.3/35

Out: 1.083+/-0.000 χ^2/NDF:82594079889.0/39

All: 1.094+/-0.000 χ^2/NDF: 155861524609.5

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:1372900.8/19

Left: 0.007+/-0.000 χ^2/NDF: 2778679.6/40

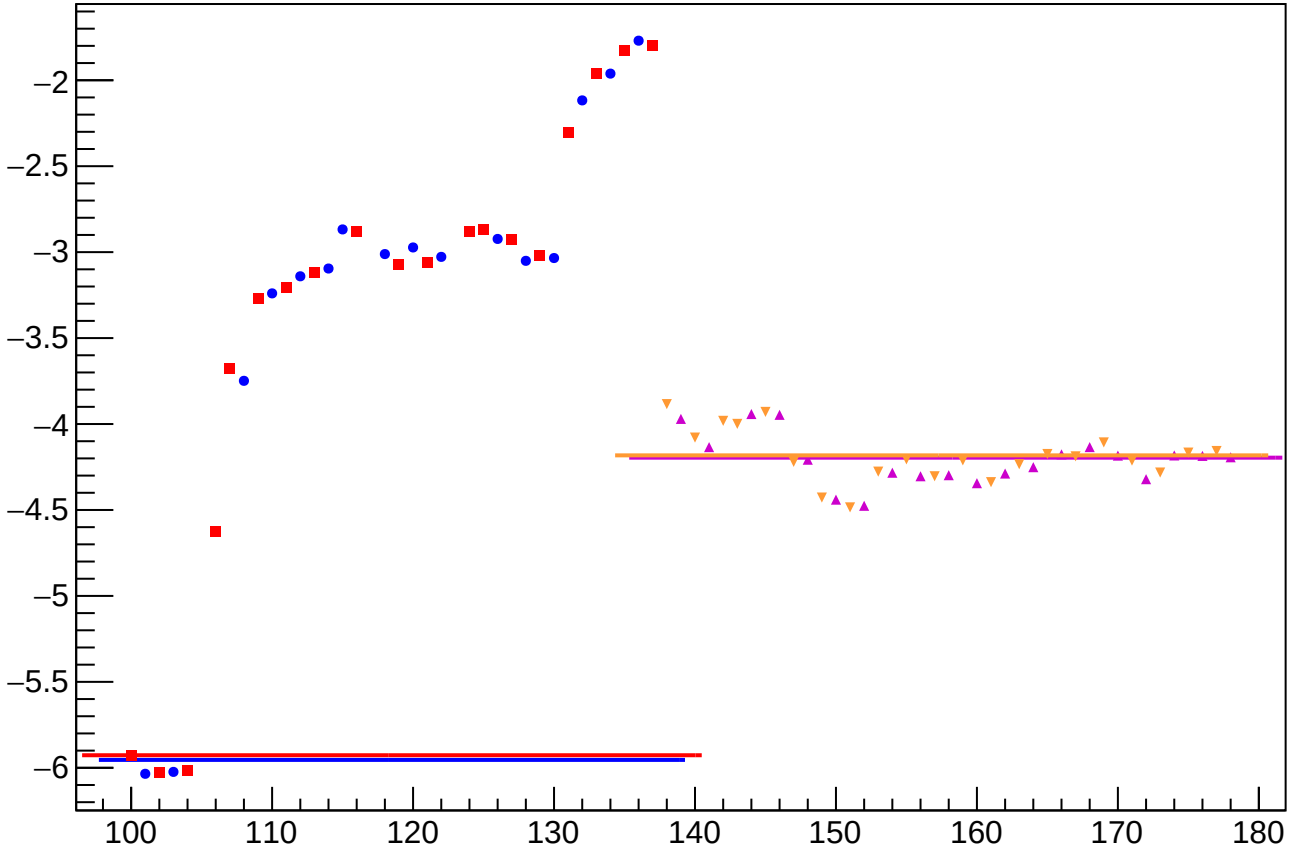
Right: 0.008+/-0.000 χ^2/NDF: 1191469.8/34

In: 0.007+/-0.000 χ^2/NDF:2173512.6/35

Out: 0.007+/-0.000 χ^2/NDF:2088551.4/39

All: 0.007+/-0.000 χ^2/NDF: 4263696.1/75

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: -4.196+/-0.000 χ^2/NDF:41541487.1/19

Left: -4.191+/-0.000 χ^2/NDF: 95692311.8/40

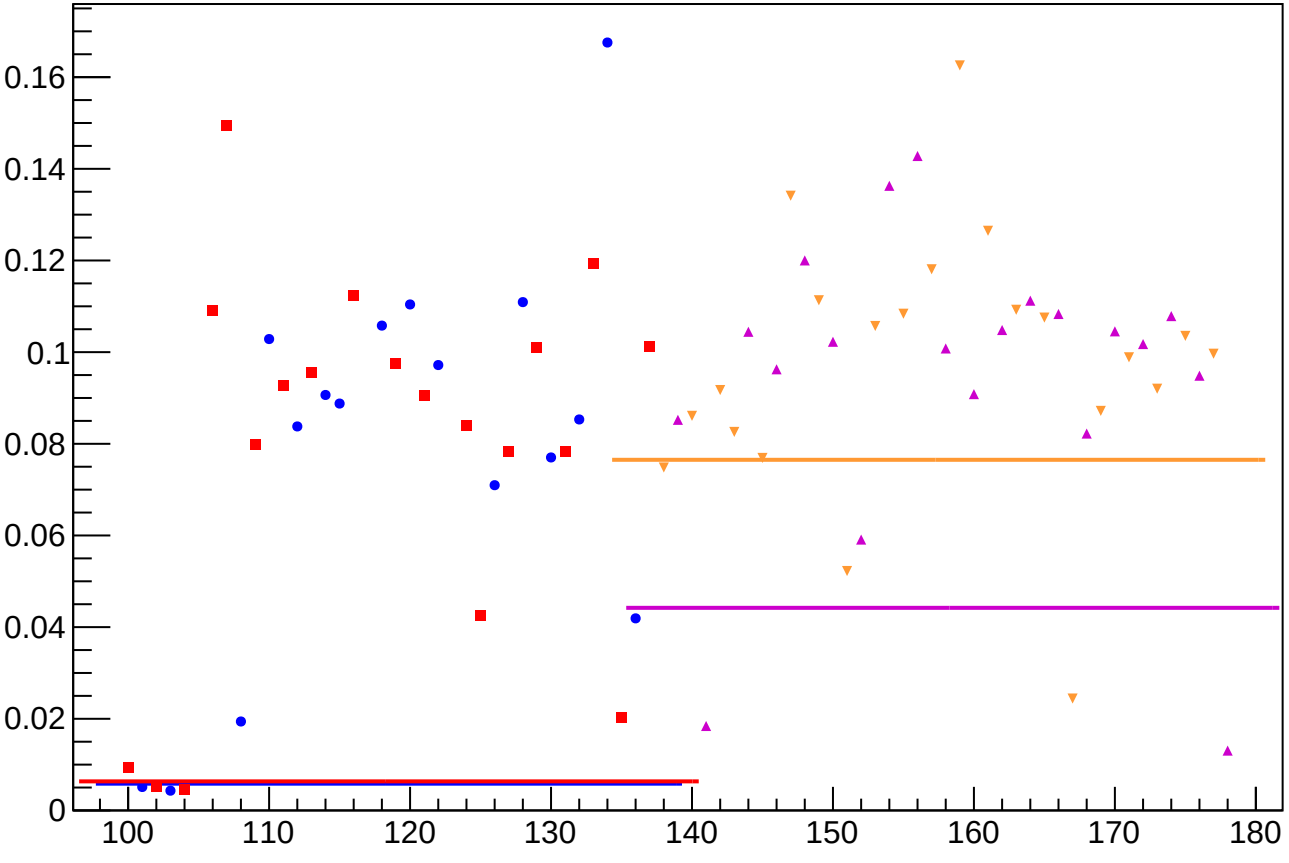
Right: -5.942+/-0.000 χ^2/NDF: 27039435928.9/34

In: -5.840+/-0.000 χ^2/NDF:23450183721.5/35

Out: -5.848+/-0.000 χ^2/NDF:19804023532.4/39

All: -5.844+/-0.000 χ^2/NDF: 43255617942.8/

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: 0.044+/-0.000 χ^2/NDF:11928848.8/19

Left: 0.056+/-0.000 χ^2/NDF: 19203667.9/40

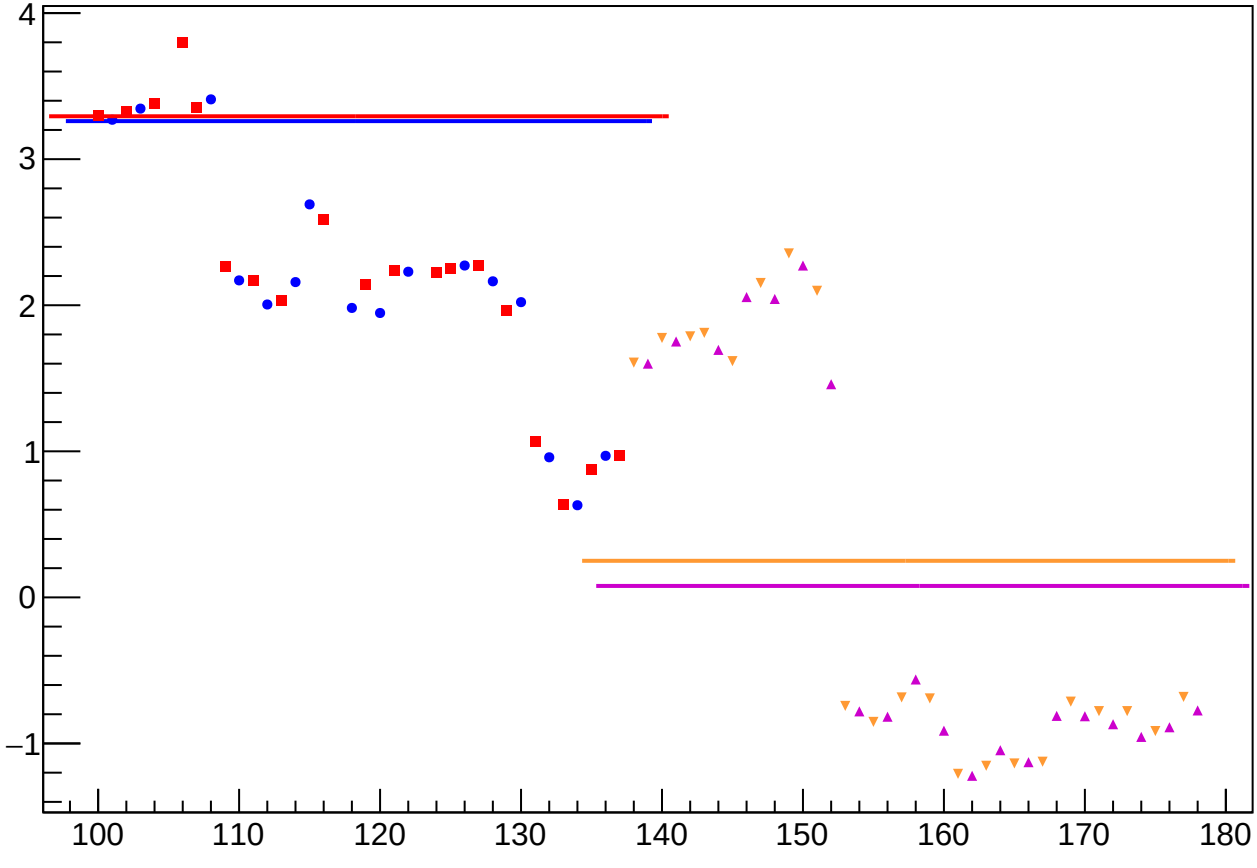
Right: 0.006+/-0.000 χ^2/NDF: 17464019.8/34

In: 0.008+/-0.000 χ^2/NDF:30445727.1/35

Out: 0.010+/-0.000 χ^2/NDF:32199502.6/39

All: 0.009+/-0.000 χ^2/NDF: 62715322.3/75

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: 0.078+/-0.000 χ^2/NDF:3294863356.9/19

Left: 0.155+/-0.000 χ^2/NDF: 6642193135.3/40

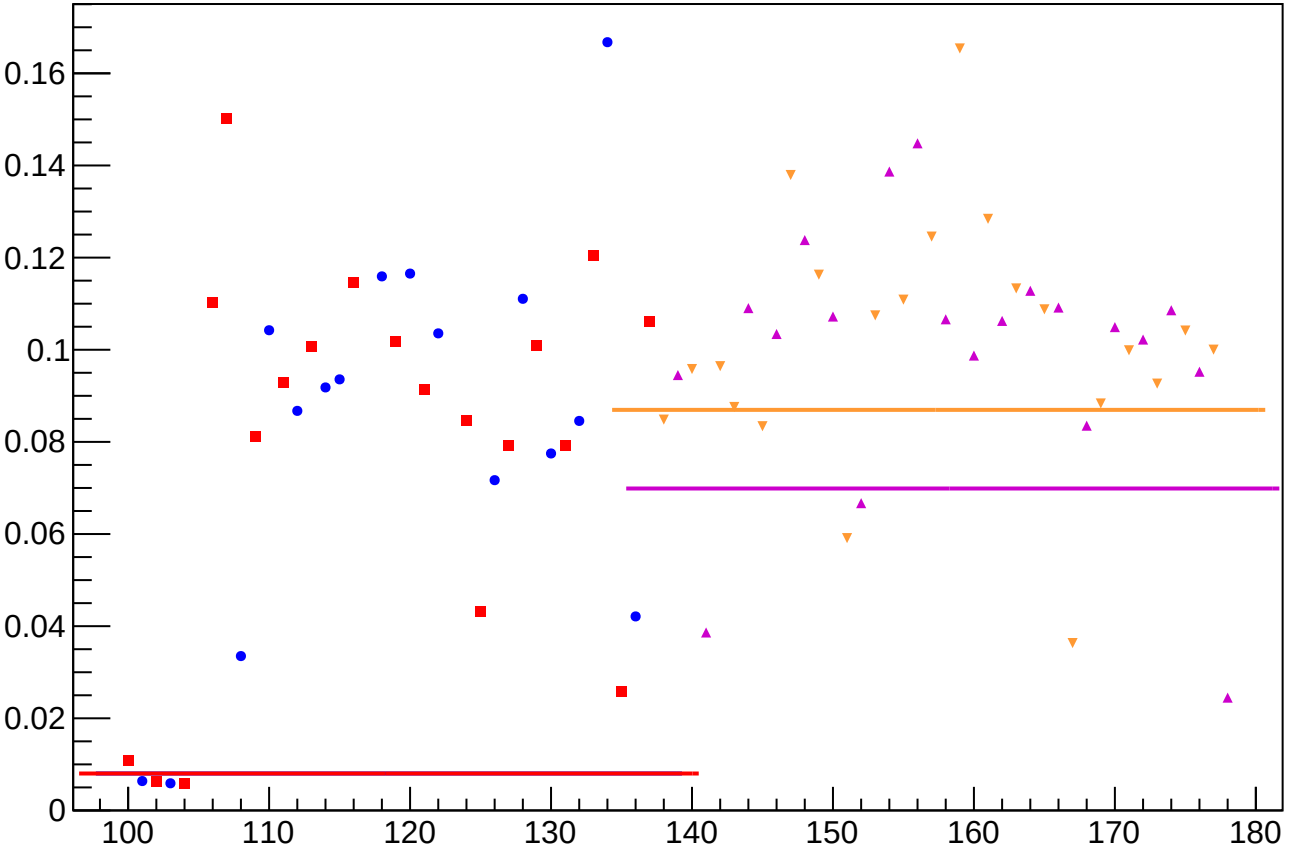
Right: 3.277+/-0.000 χ^2/NDF: 6269939296.1/34

In: 3.059+/-0.000 χ^2/NDF:26142450909.2/35

Out: 3.127+/-0.000 χ^2/NDF:21385210395.9/39

All: 3.092+/-0.000 χ^2/NDF: 47600815065.3/7

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: 0.070+/-0.000 χ^2/NDF:6190946.2/19

Left: 0.078+/-0.000 χ^2/NDF: 9603698.3/40

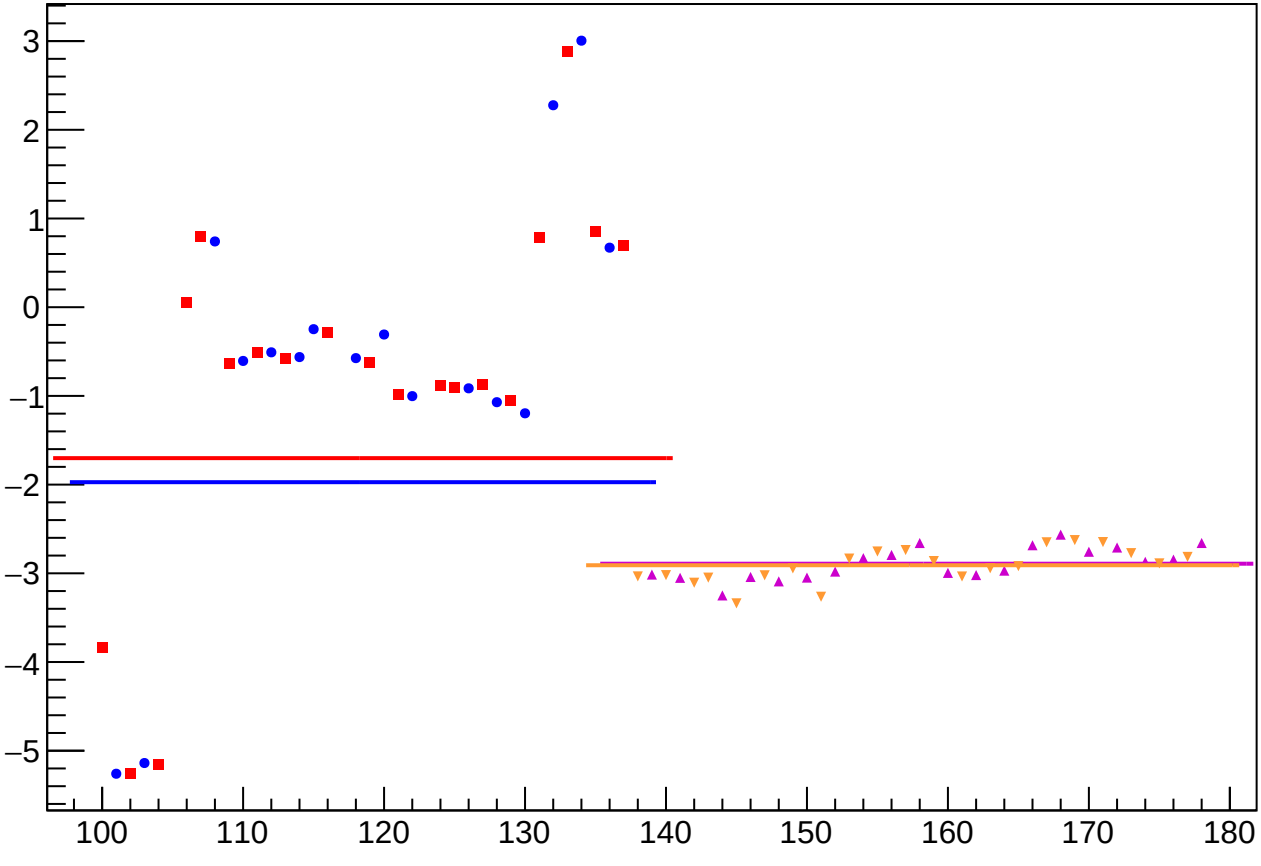
Right: 0.008+/-0.000 χ^2/NDF: 16957931.3/34

In: 0.012+/-0.000 χ^2/NDF:29600385.9/35

Out: 0.012+/-0.000 χ^2/NDF:31351336.5/39

All: 0.012+/-0.000 χ^2/NDF: 60957058.1/75

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: -2.892+/-0.000 χ^2/NDF:8017280971.8/19

Left: -2.901+/-0.000 χ^2/NDF: 17023778967.7/40

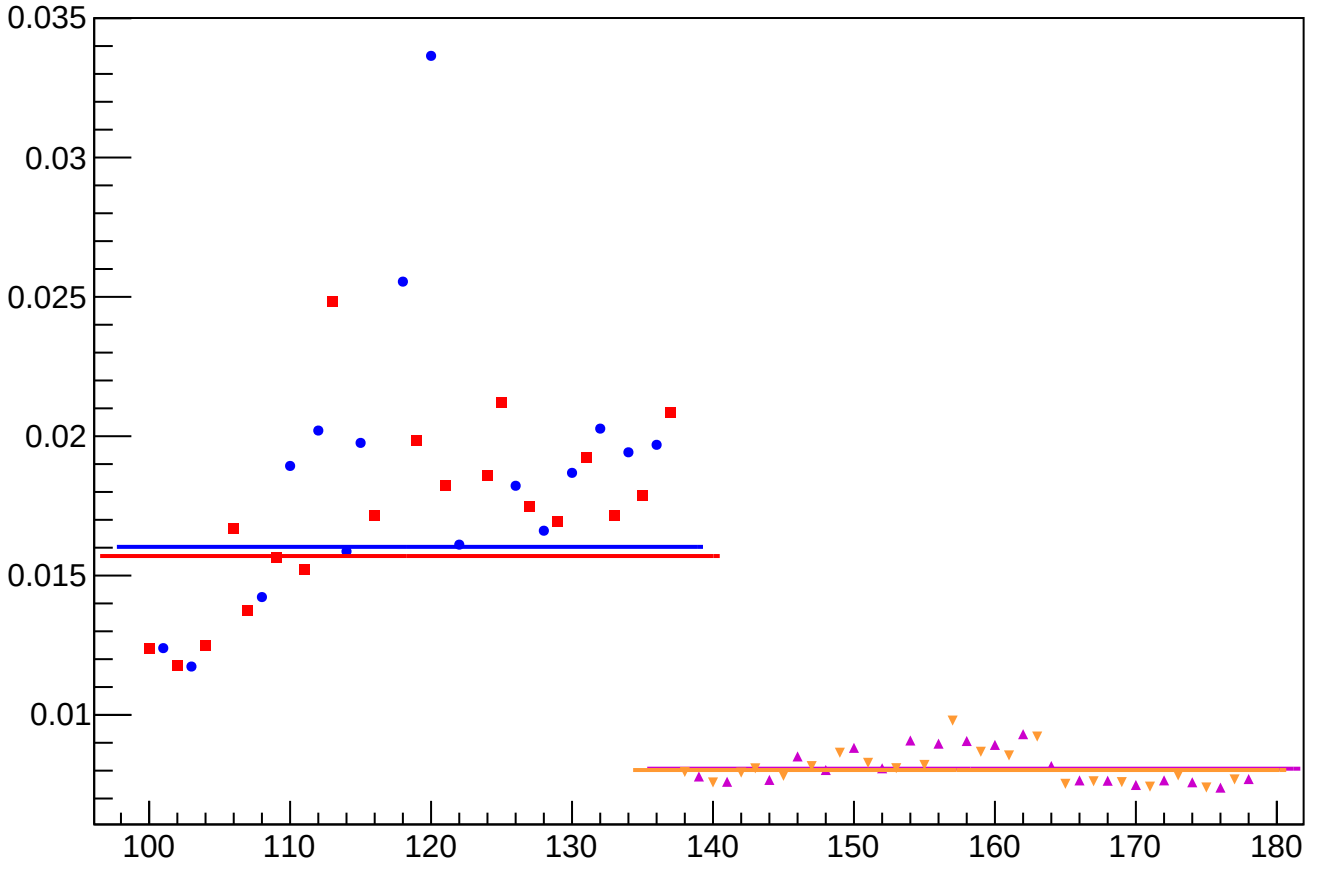
Right: -1.828+/-0.000 χ^2/NDF: 331019535290.3/34

In: -2.812+/-0.000 χ^2/NDF:187471789030.9/35

Out: -2.794+/-0.000 χ^2/NDF:211211499326.7/39

All: -2.803+/-0.000 χ^2/NDF: 398725320591.9

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:171265.6/19

Left: 0.008+/-0.000 χ^2/NDF: 321636.6/40

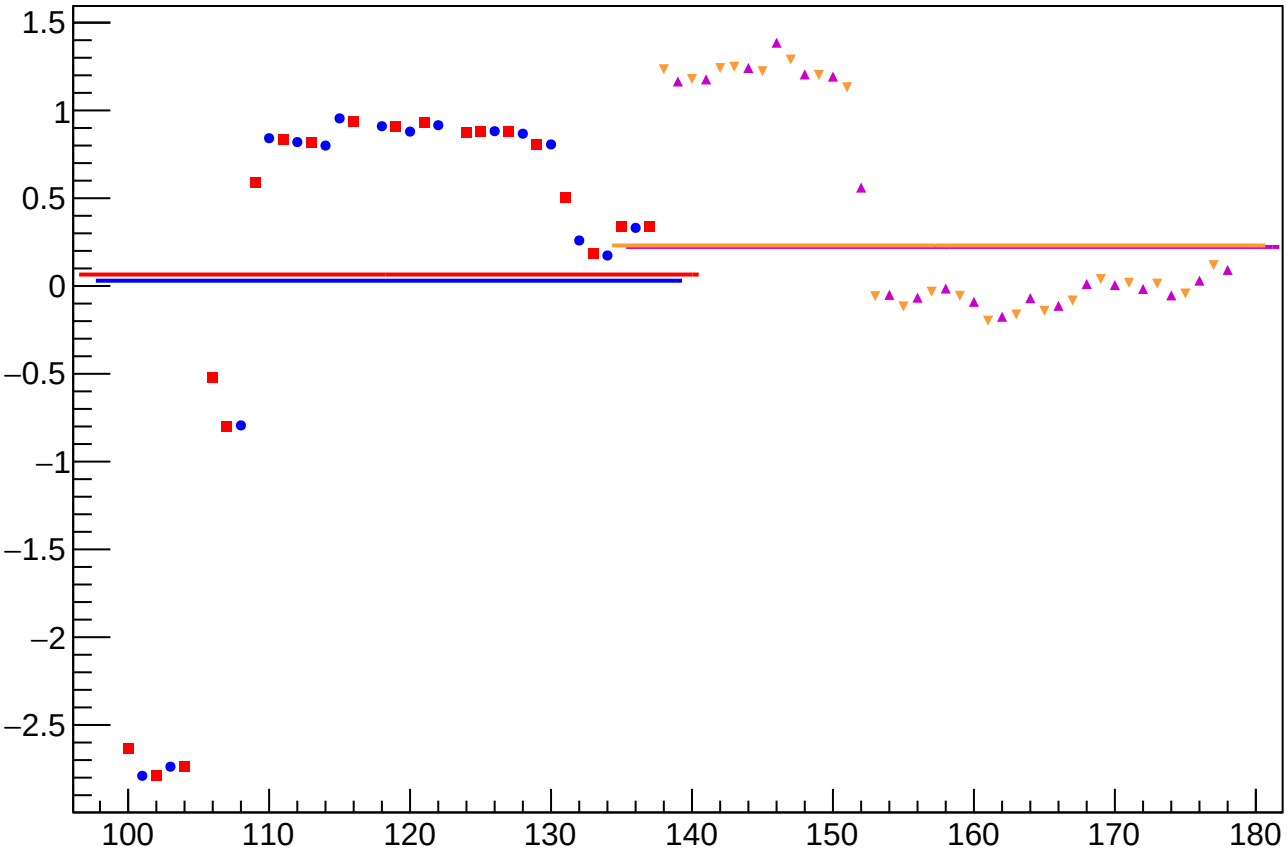
Right: 0.016+/-0.000 χ^2/NDF: 1243118.0/34

In: 0.009+/-0.000 χ^2/NDF:3528737.5/35

Out: 0.009+/-0.000 χ^2/NDF:3411733.5/39

All: 0.009+/-0.000 χ^2/NDF: 6940493.1/75

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: 0.222+/-0.000 χ^2/NDF:86387866688.2/19

Left: 0.227+/-0.000 χ^2/NDF: 188167606918.5/40

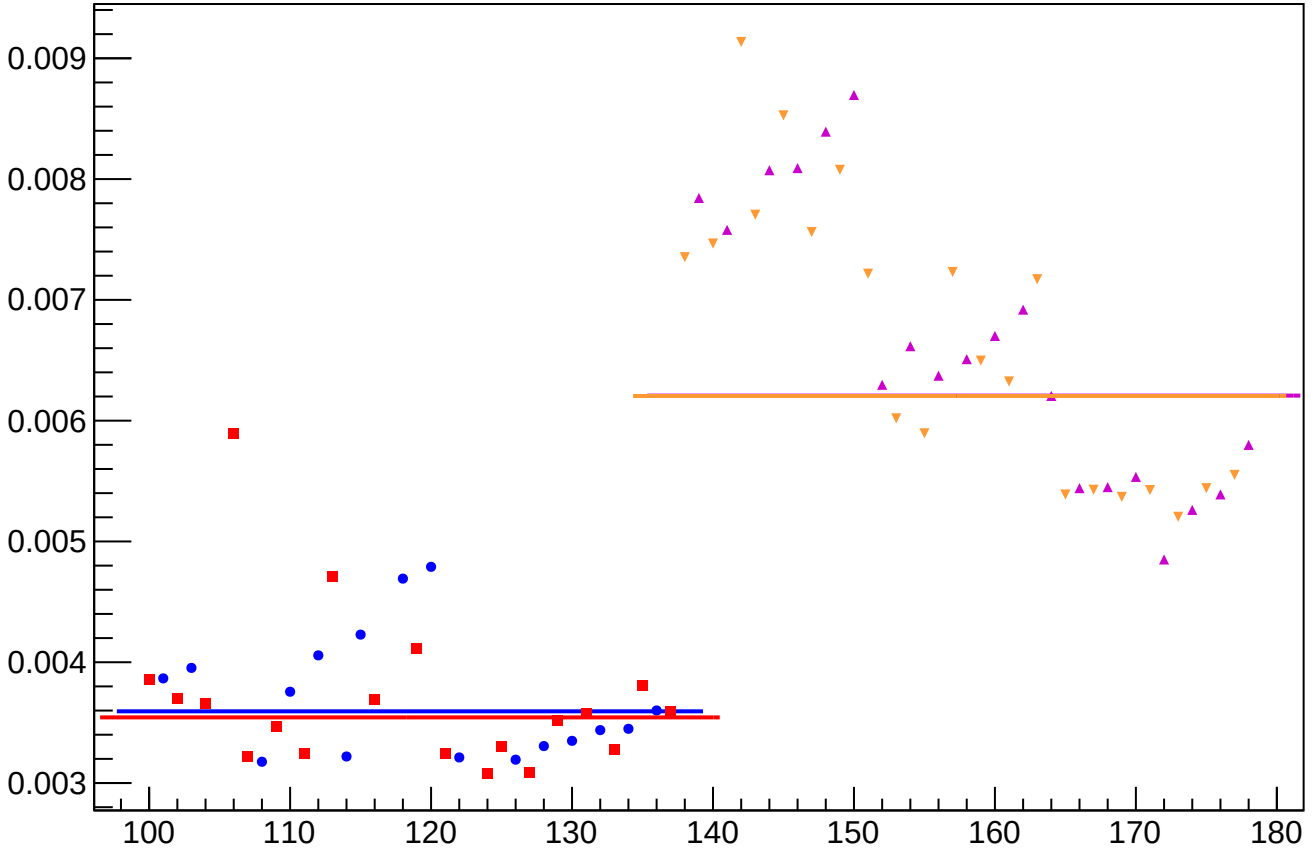
Right: 0.048+/-0.000 χ^2/NDF: 1787488269945.7/34

In: 0.109+/-0.000 χ^2/NDF:945981738040.5/35

Out: 0.131+/-0.000 χ^2/NDF:1043357175110.2/39

All: 0.121+/-0.000 χ^2/NDF: 1989557165693.

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:800273.6/19

Left: 0.006+/-0.000 χ^2/NDF: 1527380.2/40

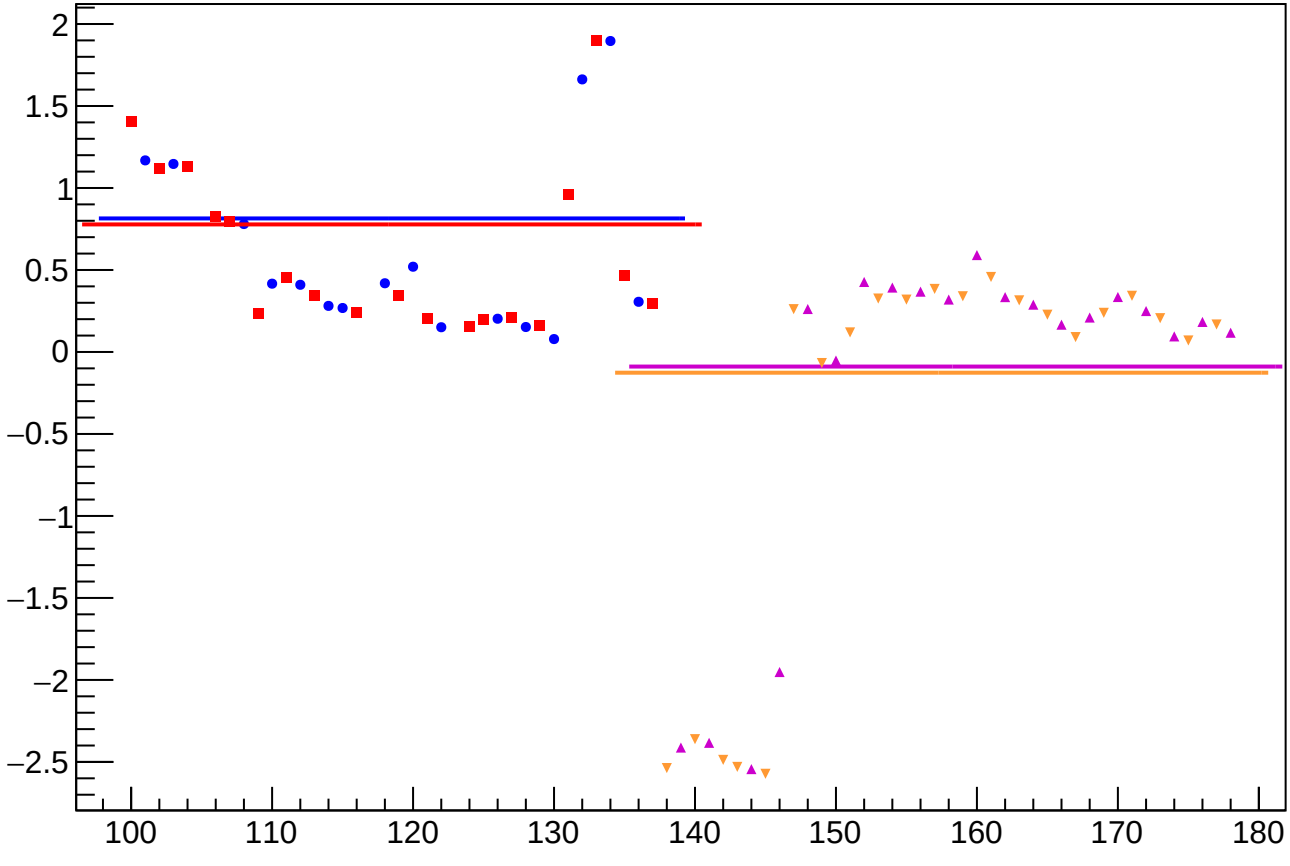
Right: 0.004+/-0.000 χ^2/NDF: 406509.3/34

In: 0.005+/-0.000 χ^2/NDF:3908106.9/35

Out: 0.005+/-0.000 χ^2/NDF:4103637.2/39

All: 0.005+/-0.000 χ^2/NDF: 8015793.2/75

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: -0.089+/-0.000 χ^2/NDF:342678848938.8/19

Left: -0.108+/-0.000 χ^2/NDF: 724186762658.2/40

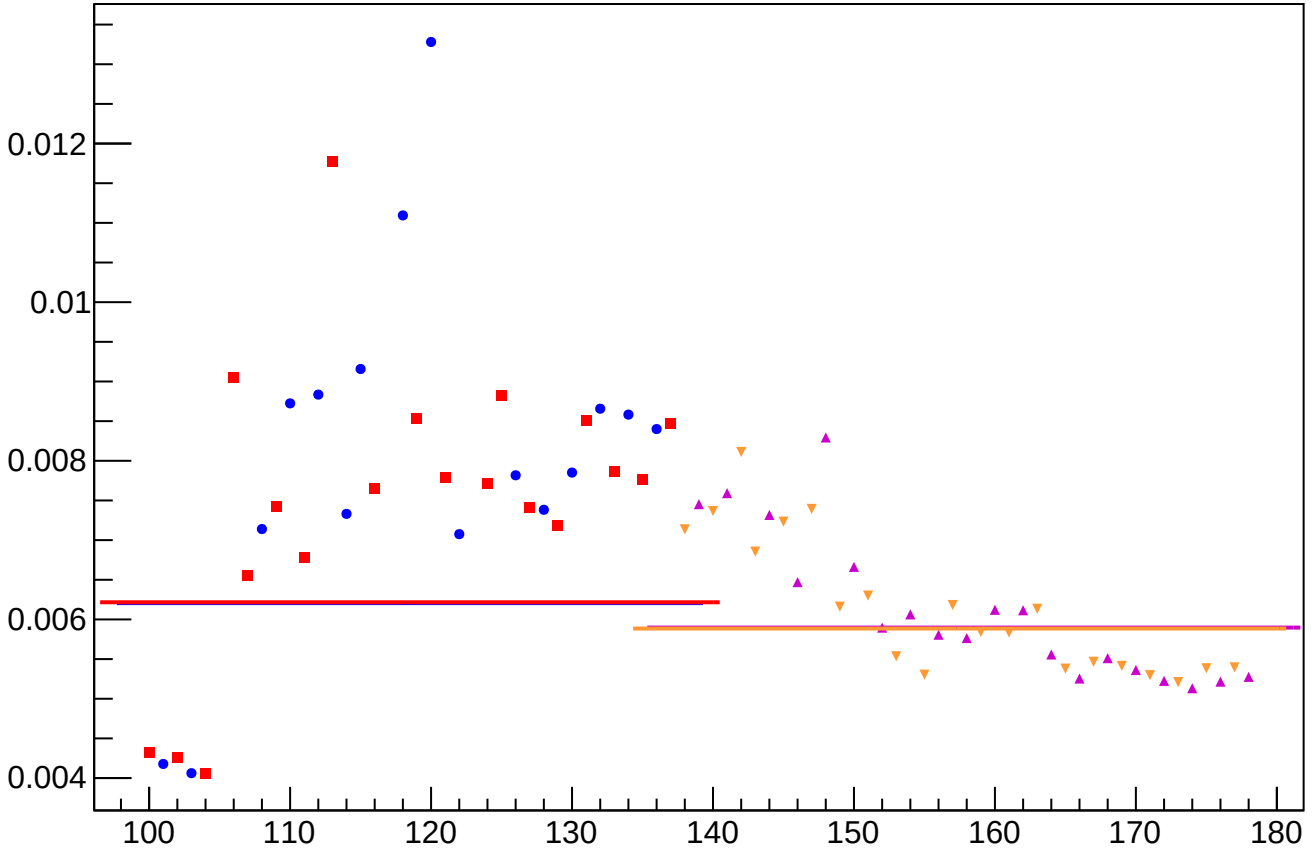
Right: 0.795+/-0.000 χ^2/NDF: 70115223181.3/34

In: 0.139+/-0.000 χ^2/NDF:466099294847.9/35

Out: 0.112+/-0.000 χ^2/NDF:509381990196.8/39

All: 0.125+/-0.000 χ^2/NDF: 975692779740.7

yield_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 1423886.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:429674.6/20

Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.006+/-0.000 χ^2/NDF:513152.4/19

Left: 0.006+/-0.000 χ^2/NDF: 942888.8/40

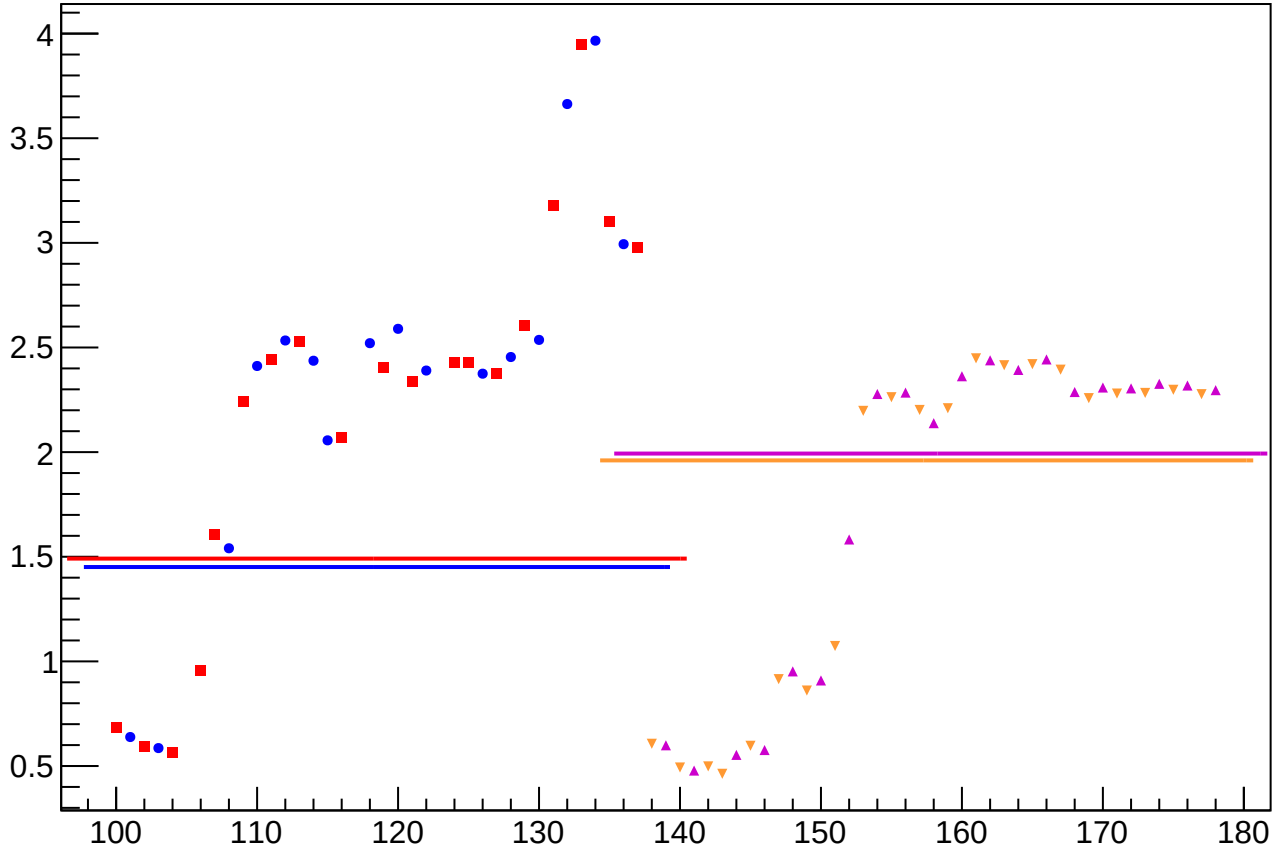
Right: 0.006+/-0.000 χ^2/NDF: 2585020.0/34

In: 0.006+/-0.000 χ^2/NDF:1957621.2/35

Out: 0.006+/-0.000 χ^2/NDF:1615900.6/39

All: 0.006+/-0.000 χ^2/NDF: 3573525.7/75

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: 1.993+/-0.000 χ^2/NDF:189979901795.6/19

Left: 1.977+/-0.000 χ^2/NDF: 403011694310.5/40

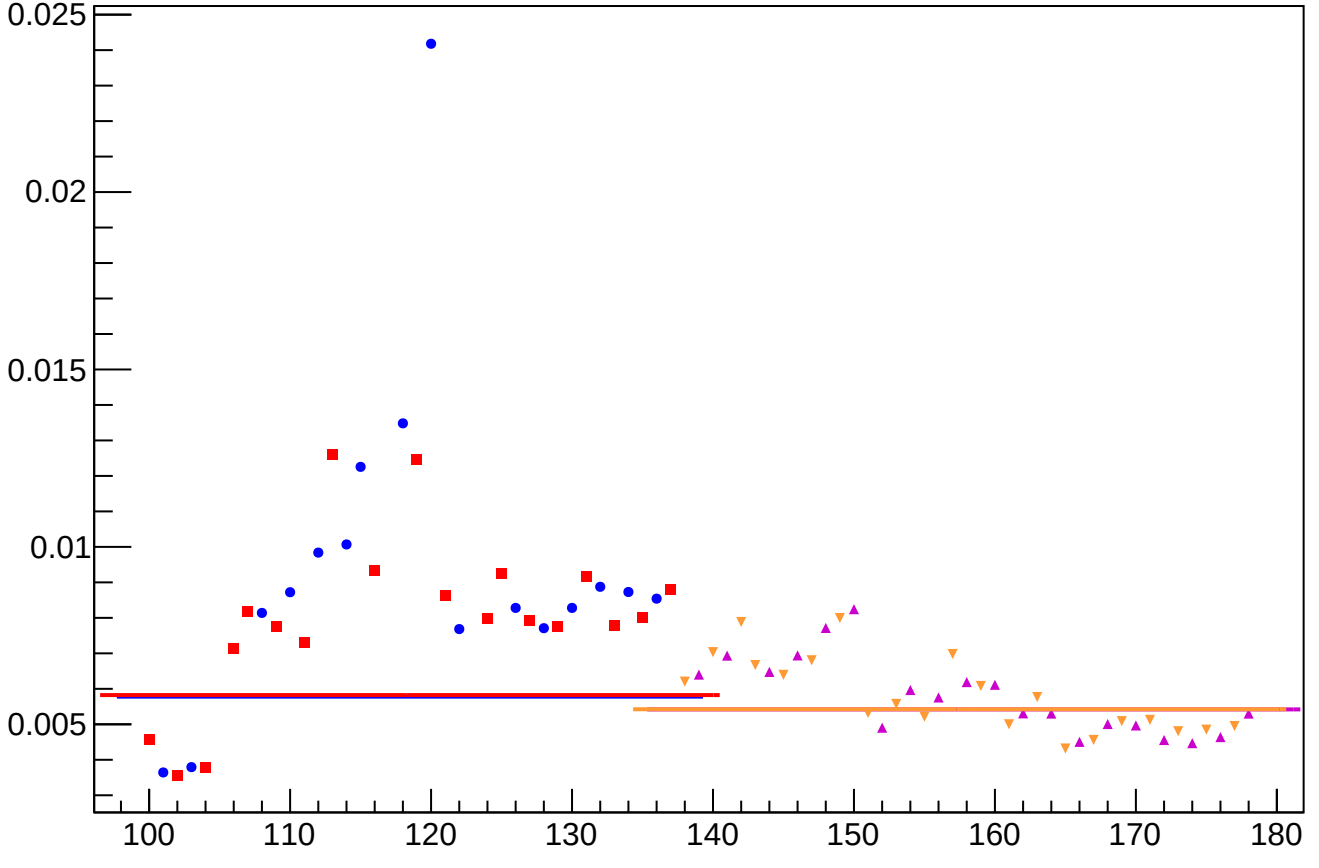
Right: 1.472+/-0.000 χ^2/NDF: 356714546192.4/34

In: 1.861+/-0.000 χ^2/NDF:392969070025.3/35

Out: 1.841+/-0.000 χ^2/NDF:426248904686.9/39

All: 1.851+/-0.000 χ^2/NDF: 819344684712.7

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:781914.1/19

Left: 0.005+/-0.000 χ^2/NDF: 1484541.6/40

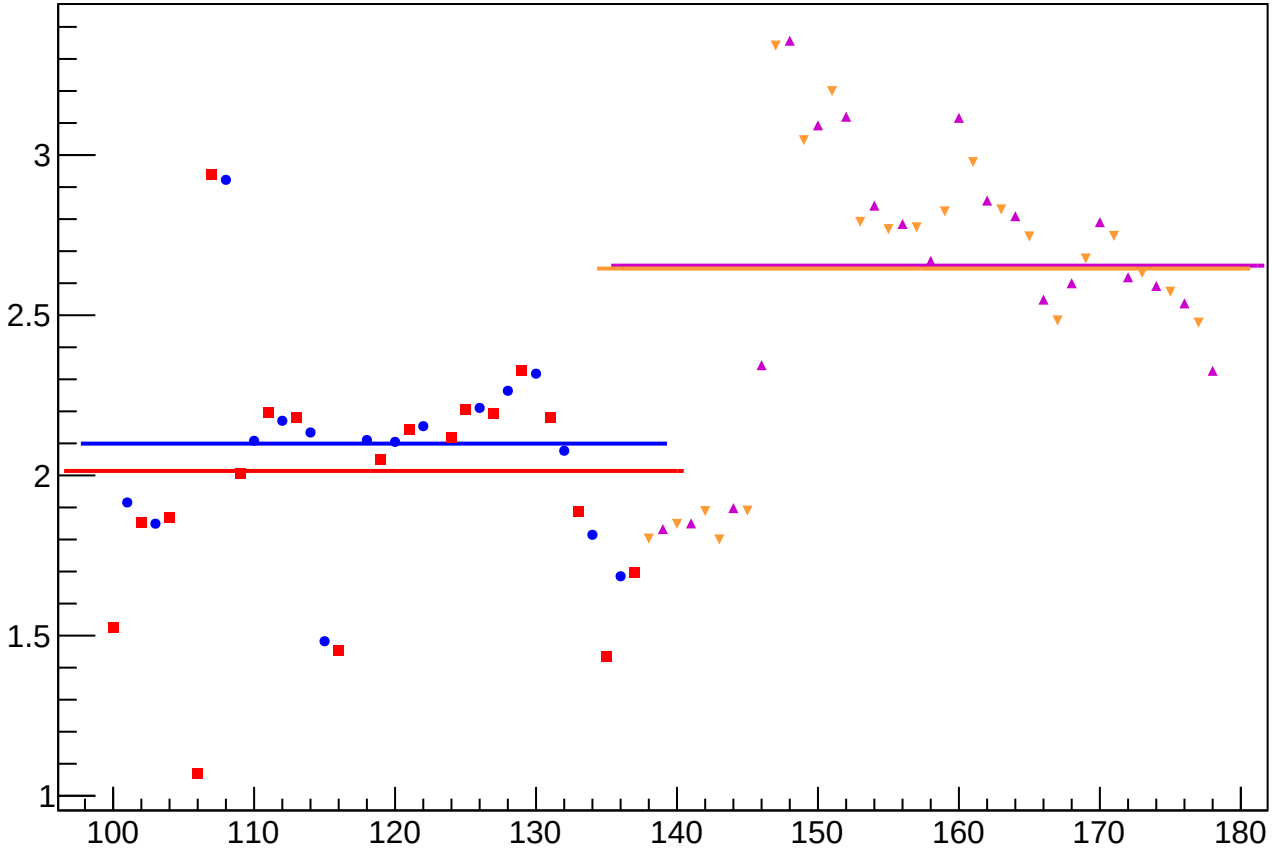
Right: 0.006+/-0.000 χ^2/NDF: 4169928.0/34

In: 0.006+/-0.000 χ^2/NDF:3025297.0/35

Out: 0.006+/-0.000 χ^2/NDF:2696823.8/39

All: 0.006+/-0.000 χ^2/NDF: 5722327.0/75

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: 2.655+/-0.000 χ^2/NDF:39393962879.1/19

Left: 2.650+/-0.000 χ^2/NDF: 83594738377.8/40

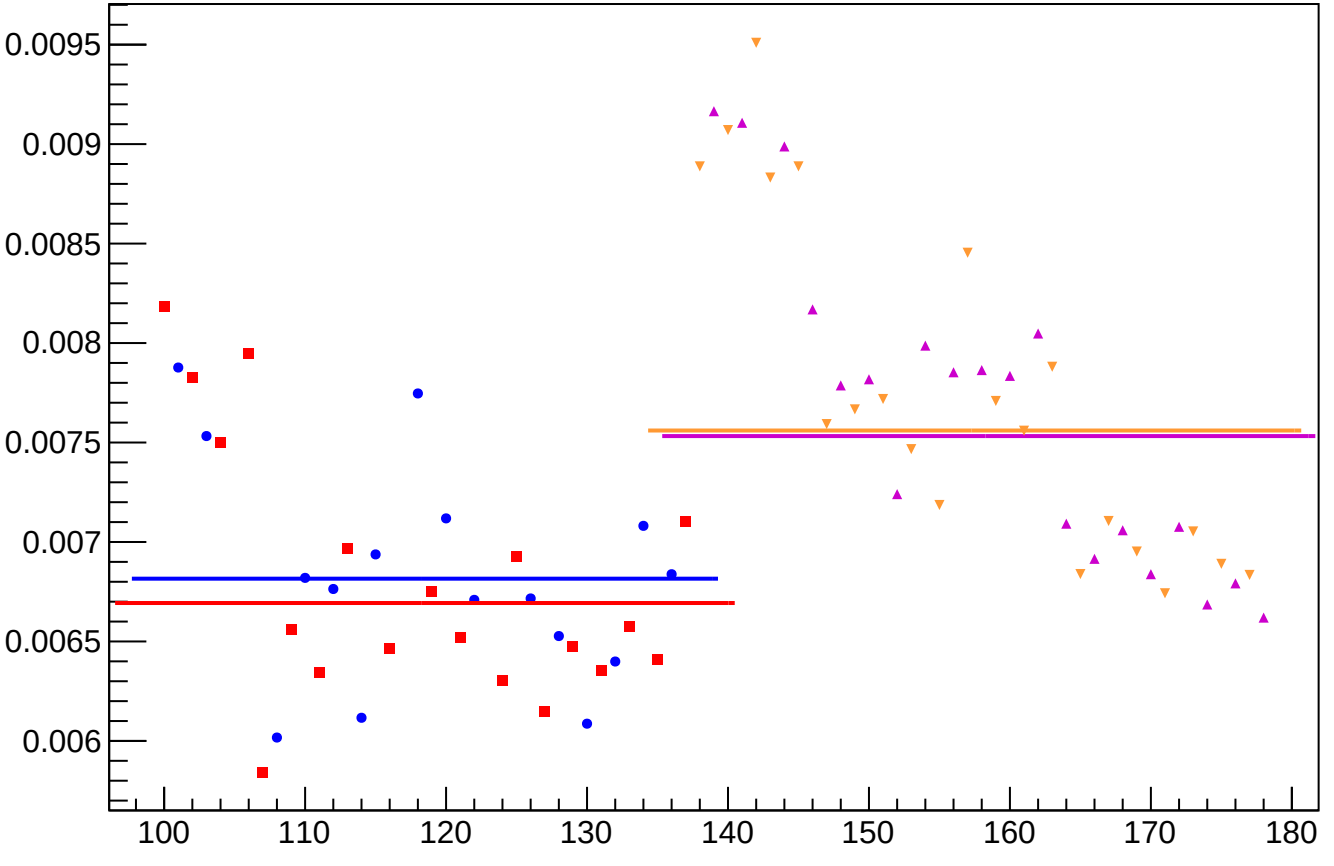
Right: 2.055+/-0.000 χ^2/NDF: 34101176841.4/34

In: 2.460+/-0.000 χ^2/NDF:82751975771.5/35

Out: 2.413+/-0.000 χ^2/NDF:103966451028.7/39

All: 2.436+/-0.000 χ^2/NDF: 187188231180.0

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:296573.7/19

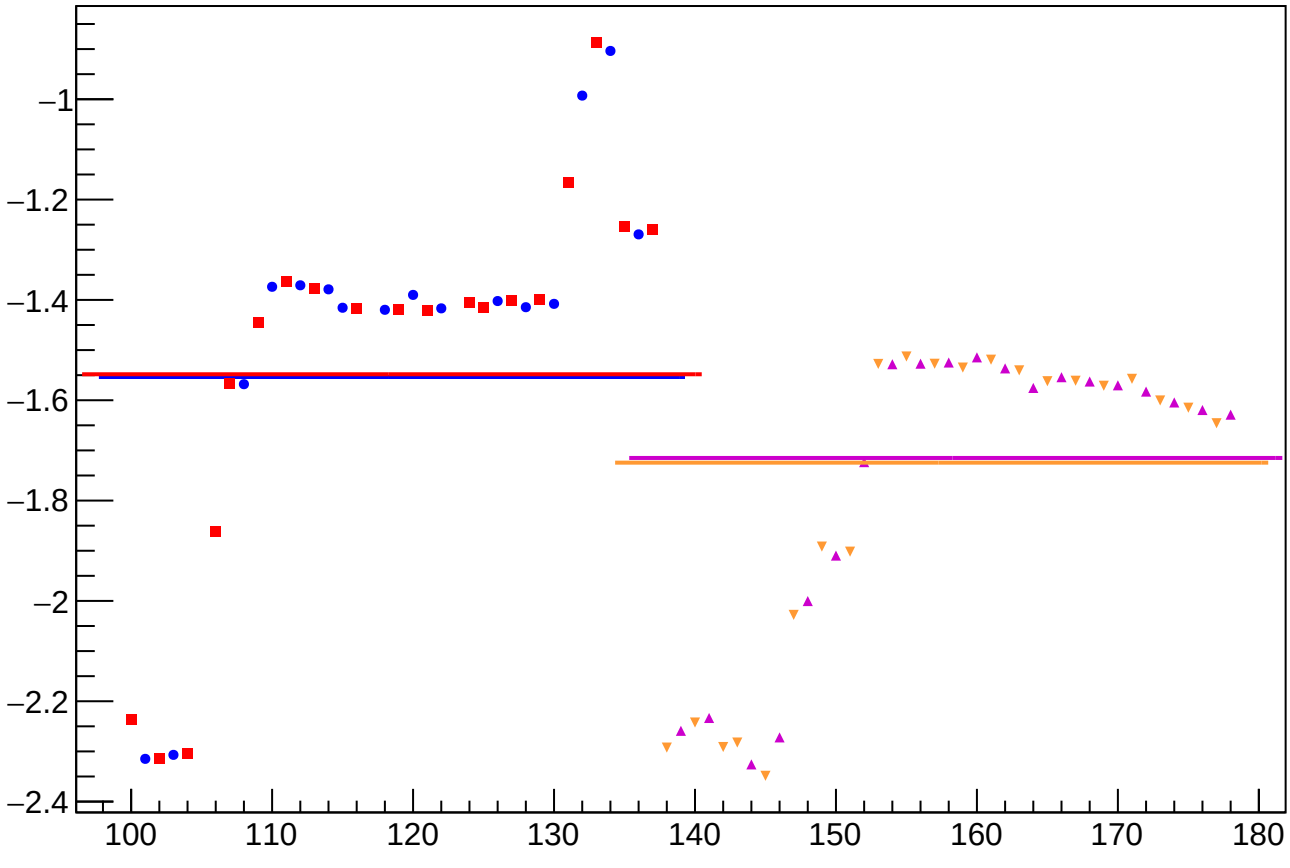
Left: 0.008+/-0.000 χ^2/NDF: 590594.2/40

Right: 0.007+/-0.000 χ^2/NDF: 176946.8/34

In: 0.007+/-0.000 χ^2/NDF:481367.9/35

Out: 0.007+/-0.000 χ^2/NDF:533031.4/39

All: 0.007+/-0.000 χ^2/NDF: 1015082.5/75



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: -1.715+/-0.000 χ^2/NDF:135023403349.9/19

Left: -1.720+/-0.000 χ^2/NDF: 283387778894.2/40

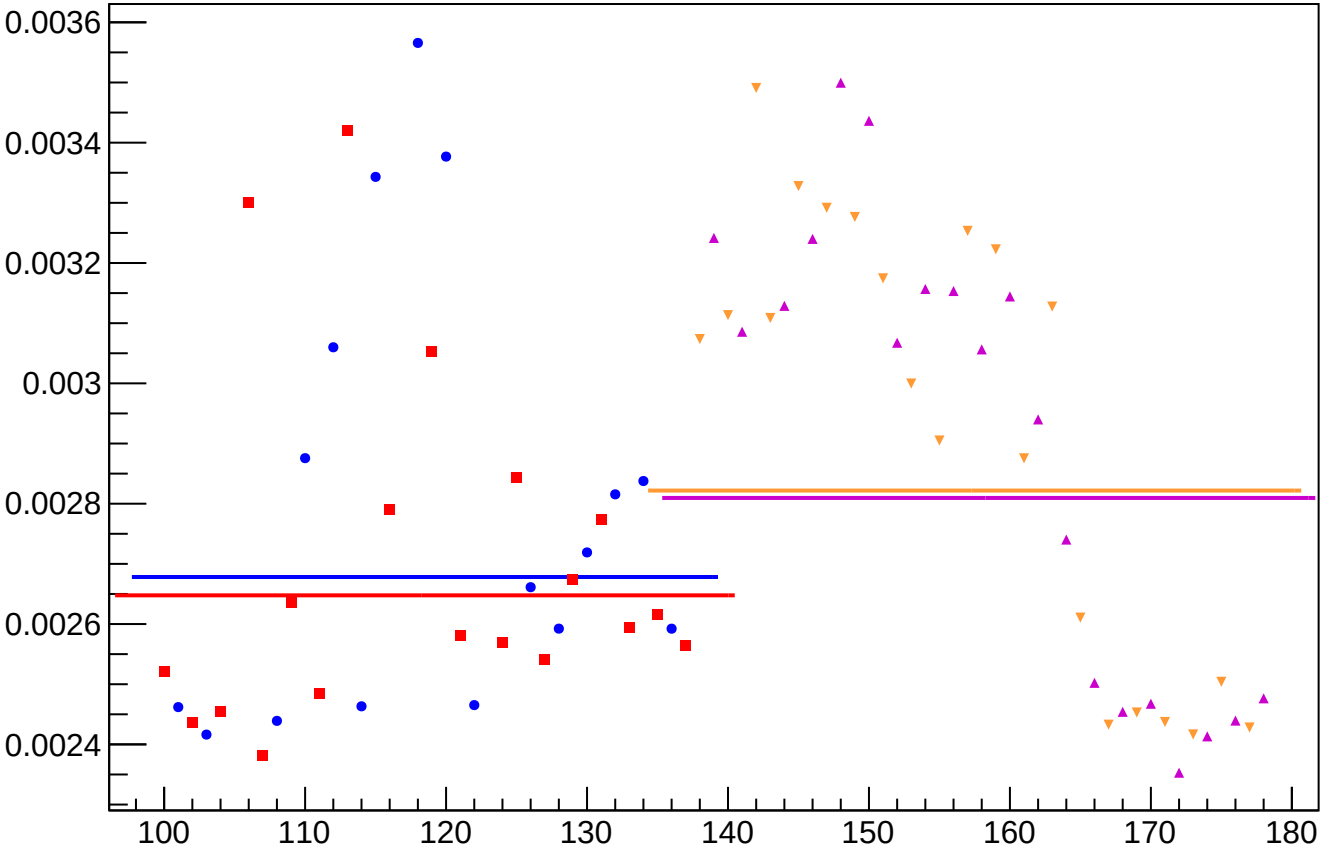
Right: -1.551+/-0.000 χ^2/NDF: 349934542439.1/34

In: -1.662+/-0.000 χ^2/NDF:326597647153.4/35

Out: -1.664+/-0.000 χ^2/NDF:343477389573.6/39

All: -1.663+/-0.000 χ^2/NDF: 670080957893.8

yield_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 157881.5/15

Left Out: 0.003+/-0.000 χ^2/NDF:484267.3/20

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

Left In: 0.003+/-0.000 χ^2/NDF:528564.7/19

Left: 0.003+/-0.000 χ^2/NDF: 1013121.7/40

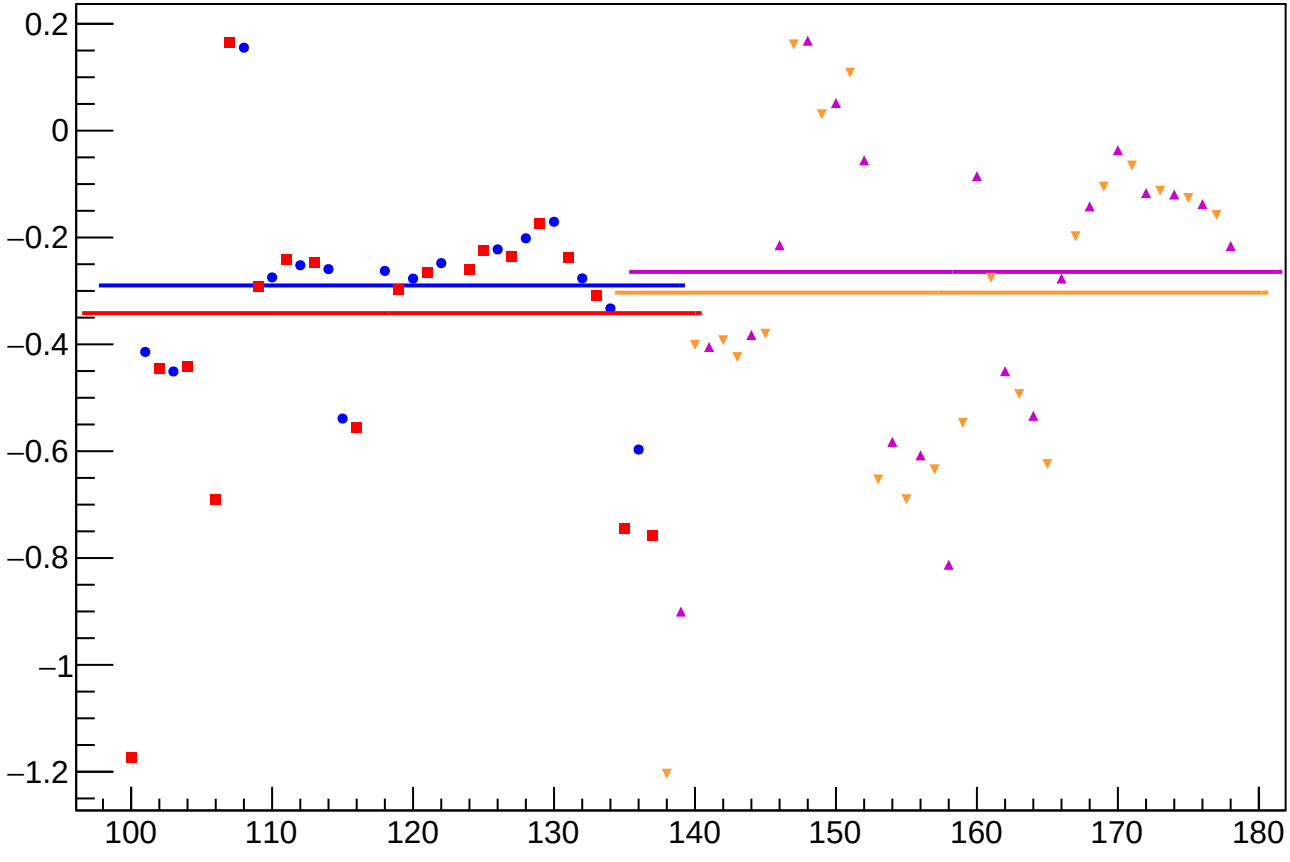
Right: 0.003+/-0.000 χ^2/NDF: 274930.8/34

In: 0.003+/-0.000 χ^2/NDF:708178.5/35

Out: 0.003+/-0.000 χ^2/NDF:640376.8/39

All: 0.003+/-0.000 χ^2/NDF: 1348606.4/75

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: -0.264+/-0.000 χ^2/NDF:7039162867.6/19

Left: -0.284+/-0.000 χ^2/NDF: 16185132856.9/40

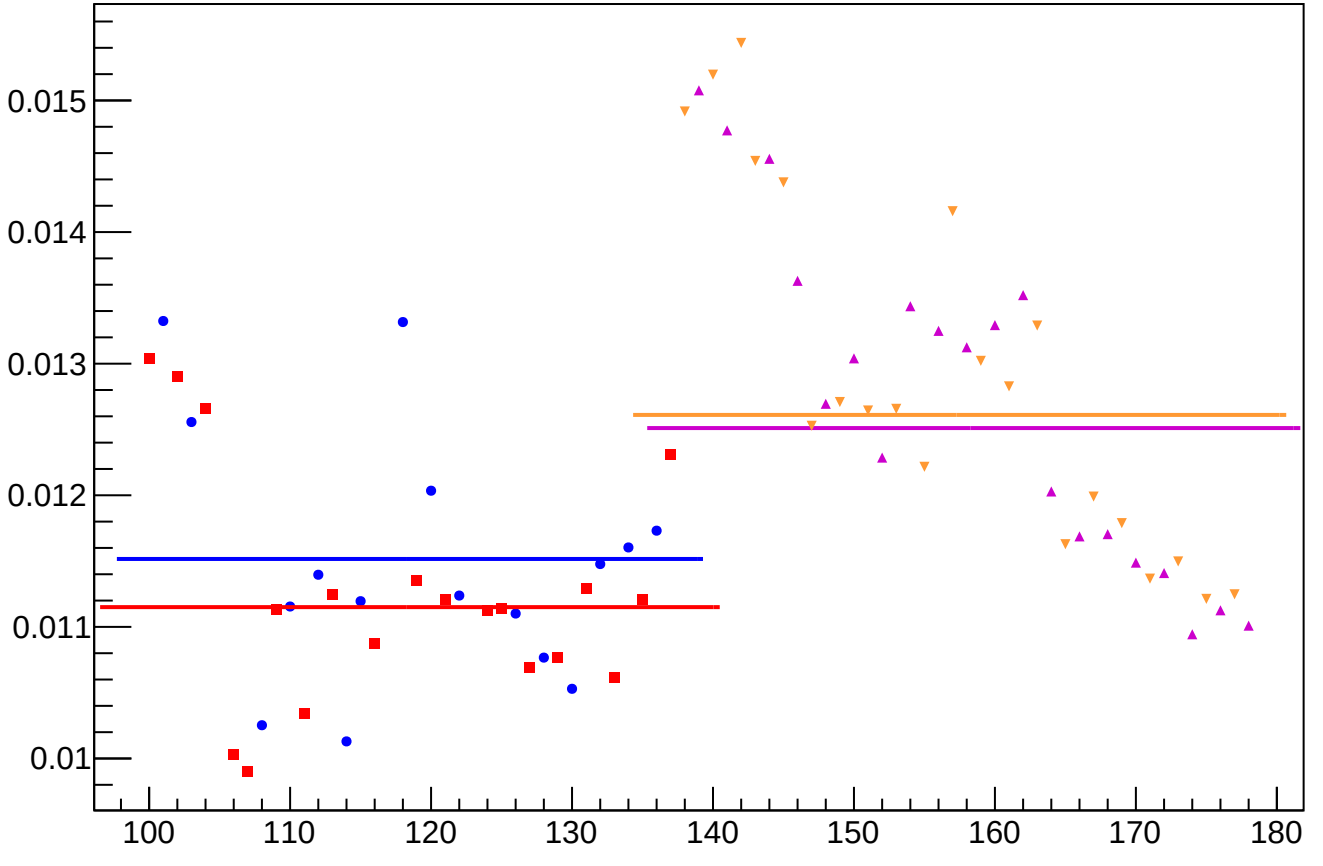
Right: -0.317+/-0.000 χ^2/NDF: 4328413510.6/34

In: -0.273+/-0.000 χ^2/NDF:8706272116.6/35

Out: -0.317+/-0.000 χ^2/NDF:11735201237.7/39

All: -0.296+/-0.000 χ^2/NDF: 20592280798.8/

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 84278.9/15

Left Out: 0.013+/-0.000 χ^2/NDF:282308.7/20

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

Left In: 0.013+/-0.000 χ^2/NDF:289692.8/19

Left: 0.013+/-0.000 χ^2/NDF: 572985.9/40

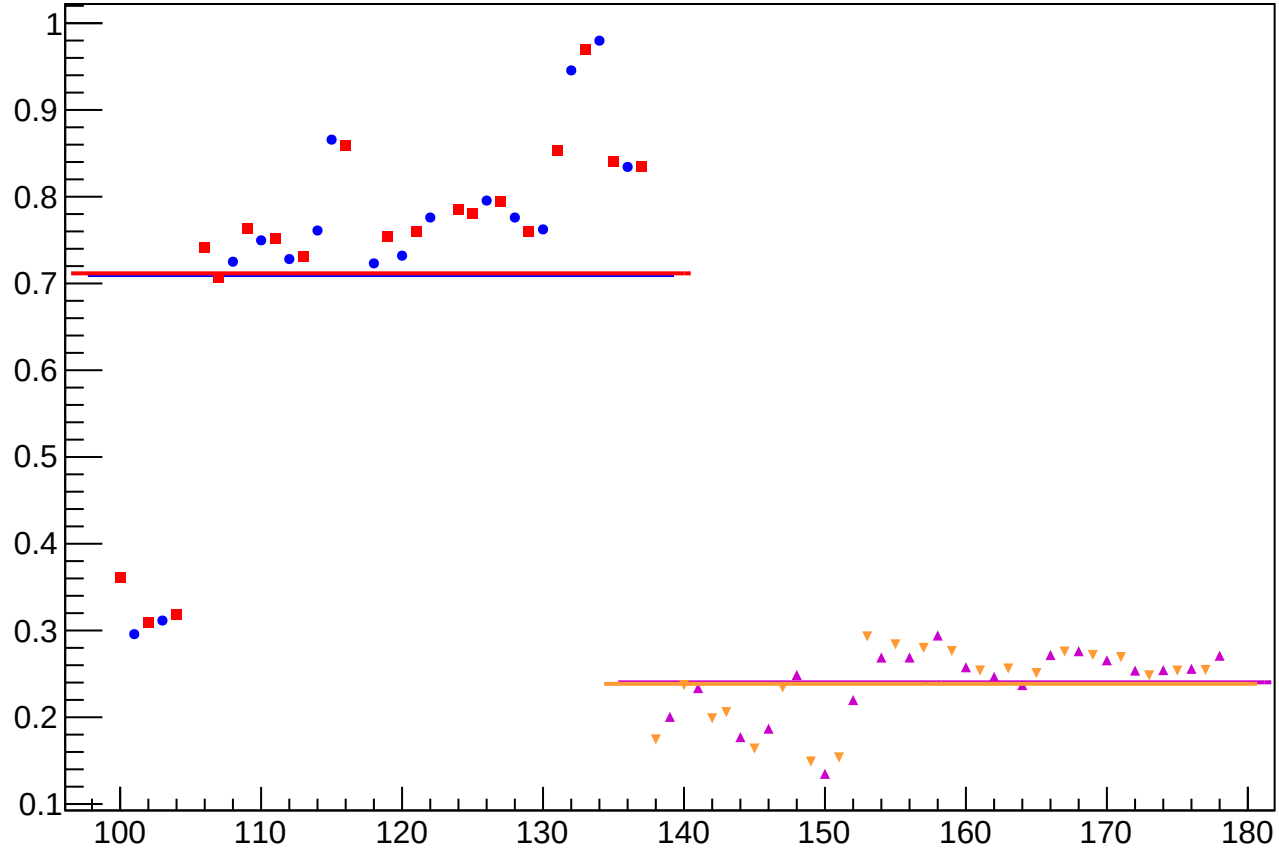
Right: 0.011+/-0.000 χ^2/NDF: 162212.6/34

In: 0.012+/-0.000 χ^2/NDF:441409.5/35

Out: 0.012+/-0.000 χ^2/NDF:509252.1/39

All: 0.012+/-0.000 χ^2/NDF: 952162.2/75

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: 0.240+/-0.000 χ^2/NDF:5617556011.5/19

Left: 0.239+/-0.000 χ^2/NDF: 12489476726.8/40

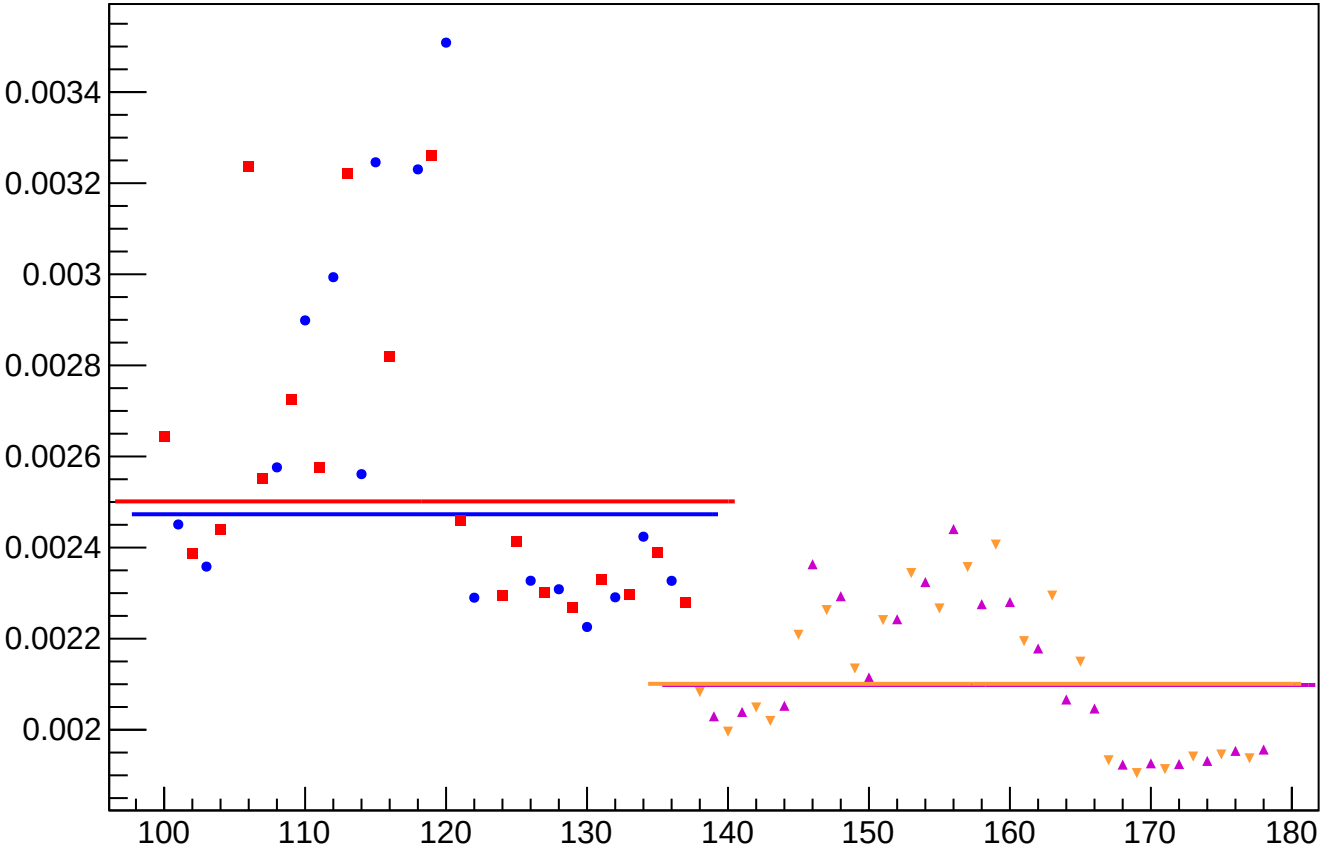
Right: 0.711+/-0.000 χ^2/NDF: 93101138571.1/34

In: 0.350+/-0.000 χ^2/NDF:242845486410.7/35

Out: 0.348+/-0.000 χ^2/NDF:244309738197.1/39

All: 0.349+/-0.000 χ^2/NDF: 487161110872.6

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:186894.0/19

Left: 0.002+/-0.000 χ^2/NDF: 379707.5/40

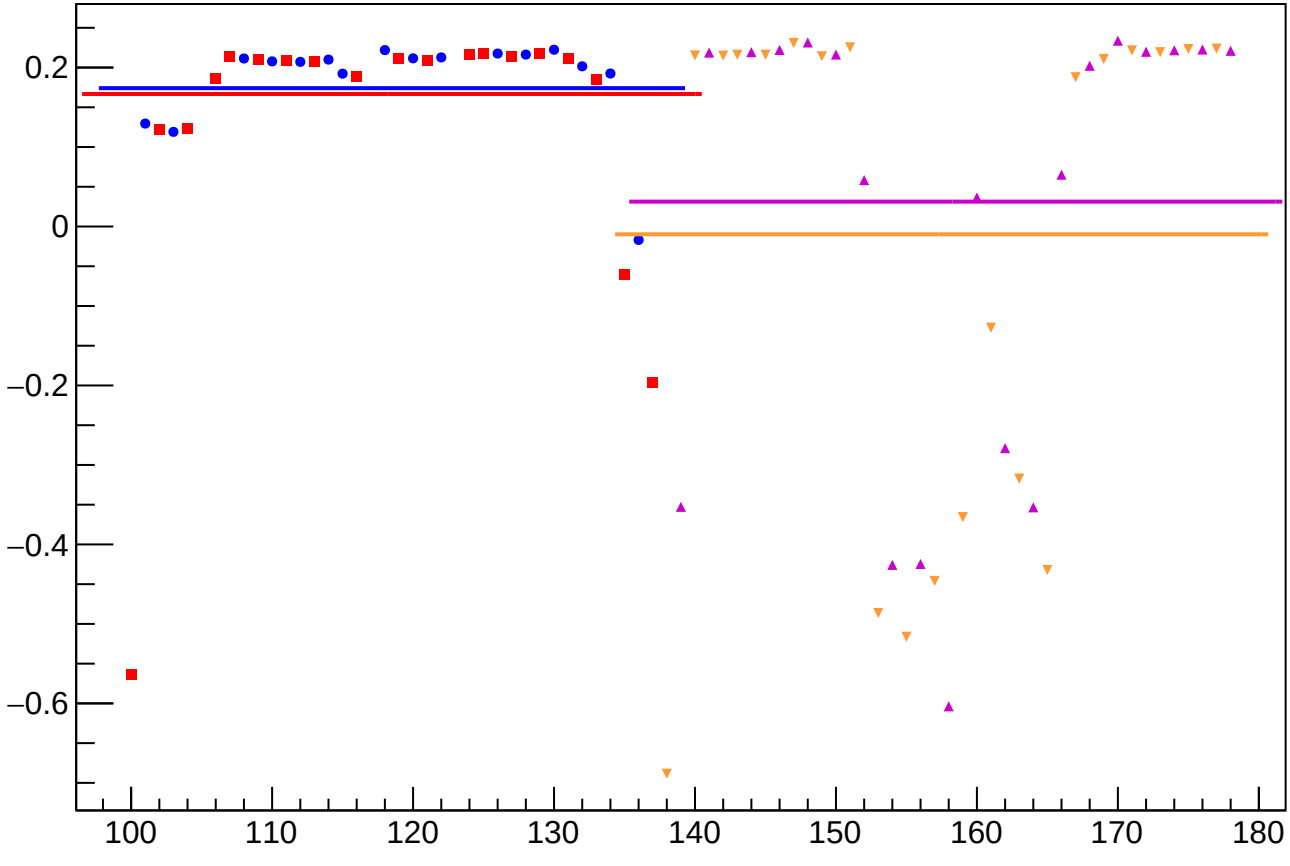
Right: 0.002+/-0.000 χ^2/NDF: 386364.7/34

In: 0.002+/-0.000 χ^2/NDF:635062.6/35

Out: 0.002+/-0.000 χ^2/NDF:647153.6/39

All: 0.002+/-0.000 χ^2/NDF: 1282523.4/75

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: 0.031+/-0.000 χ^2/NDF:9177211249.9/19

Left: 0.011+/-0.000 χ^2/NDF: 21238492797.6/40

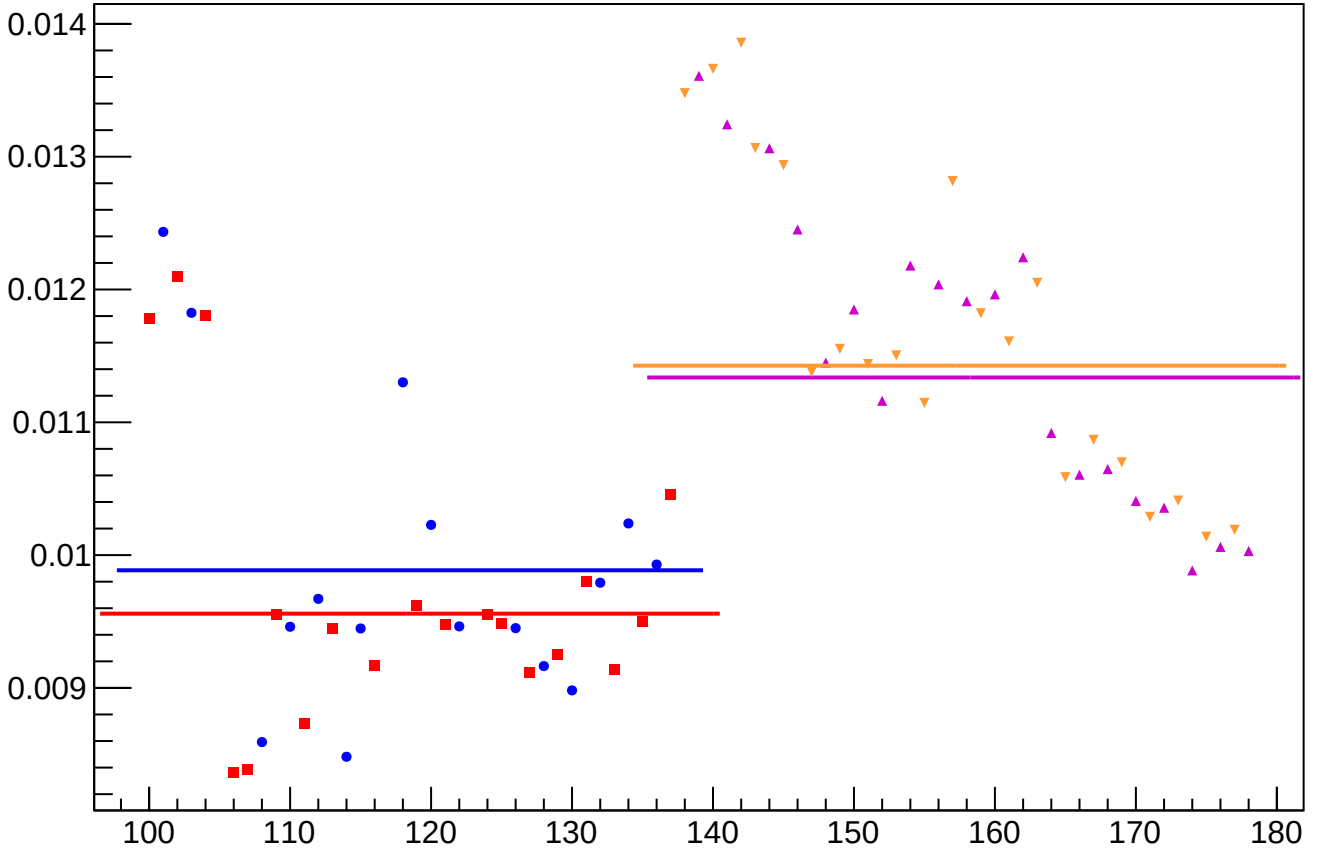
Right: 0.170+/-0.000 χ^2/NDF: 1298066263.7/34

In: 0.084+/-0.000 χ^2/NDF:10482232303.6/35

Out: 0.060+/-0.000 χ^2/NDF:14338709785.9/39

All: 0.072+/-0.000 χ^2/NDF: 24876648451.5/7

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 148562.0/15

Left Out: 0.011+/-0.000 χ^2/NDF:270861.5/20

Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.011+/-0.000 χ^2/NDF:279912.0/19

Left: 0.011+/-0.000 χ^2/NDF: 551731.6/40

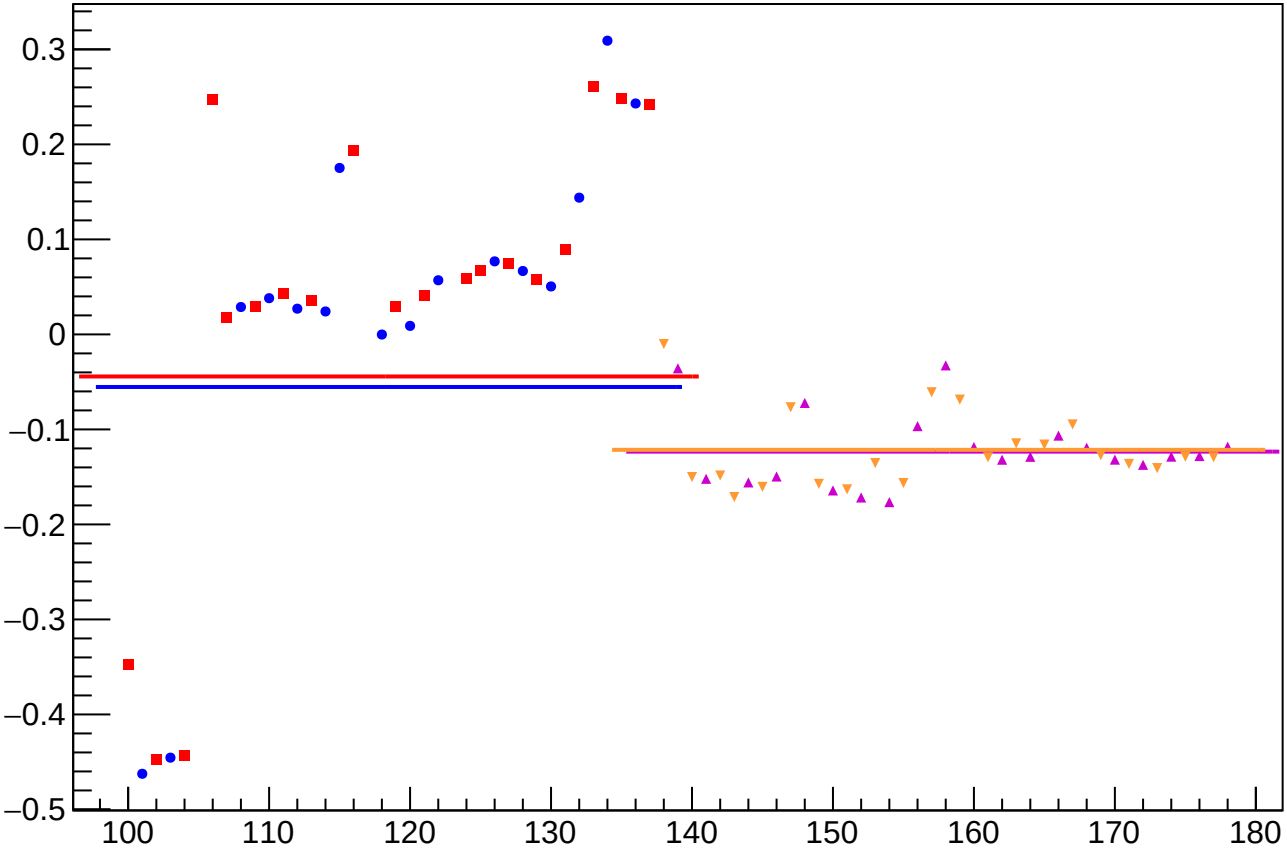
Right: 0.010+/-0.000 χ^2/NDF: 292678.0/34

In: 0.011+/-0.000 χ^2/NDF:615204.4/35

Out: 0.011+/-0.000 χ^2/NDF:739292.0/39

All: 0.011+/-0.000 χ^2/NDF: 1357035.9/75

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: -0.123+/-0.000 χ^2/NDF:2807342155.8/19

Left: -0.122+/-0.000 χ^2/NDF: 5727673533.5/40

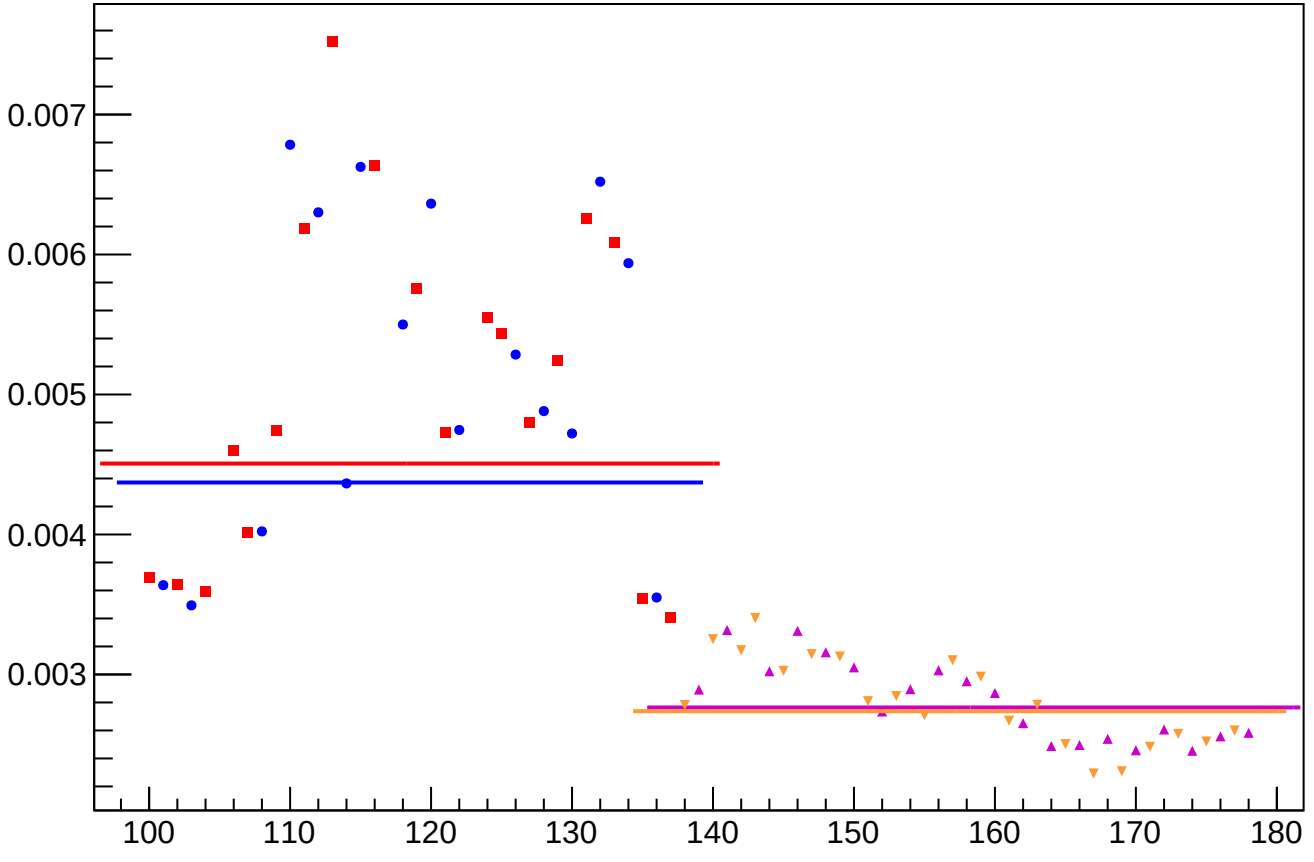
Right: -0.050+/-0.000 χ^2/NDF: 46237436160.9/34

In: -0.114+/-0.000 χ^2/NDF:28166723251.9/35

Out: -0.111+/-0.000 χ^2/NDF:26684735767.6/39

All: -0.113+/-0.000 χ^2/NDF: 54859905633.0/

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:283499.5/19

Left: 0.003+/-0.000 χ^2/NDF: 662018.9/40

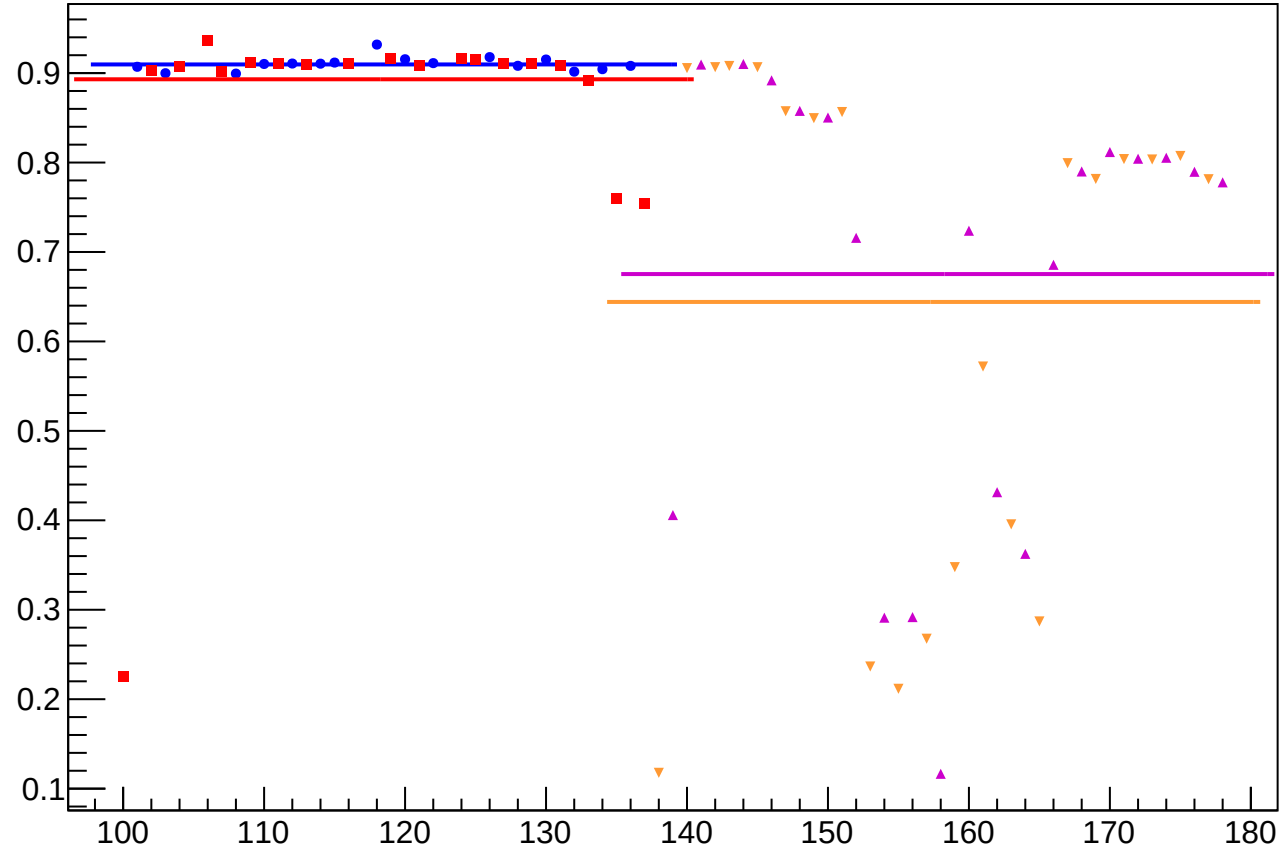
Right: 0.004+/-0.000 χ^2/NDF: 1370782.0/34

In: 0.003+/-0.000 χ^2/NDF:2368790.3/35

Out: 0.003+/-0.000 χ^2/NDF:2795087.9/39

All: 0.003+/-0.000 χ^2/NDF: 5164448.7/75

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: 0.675+/-0.000 χ^2/NDF:6845072209.5/19

Left: 0.660+/-0.000 χ^2/NDF: 15762544821.4/40

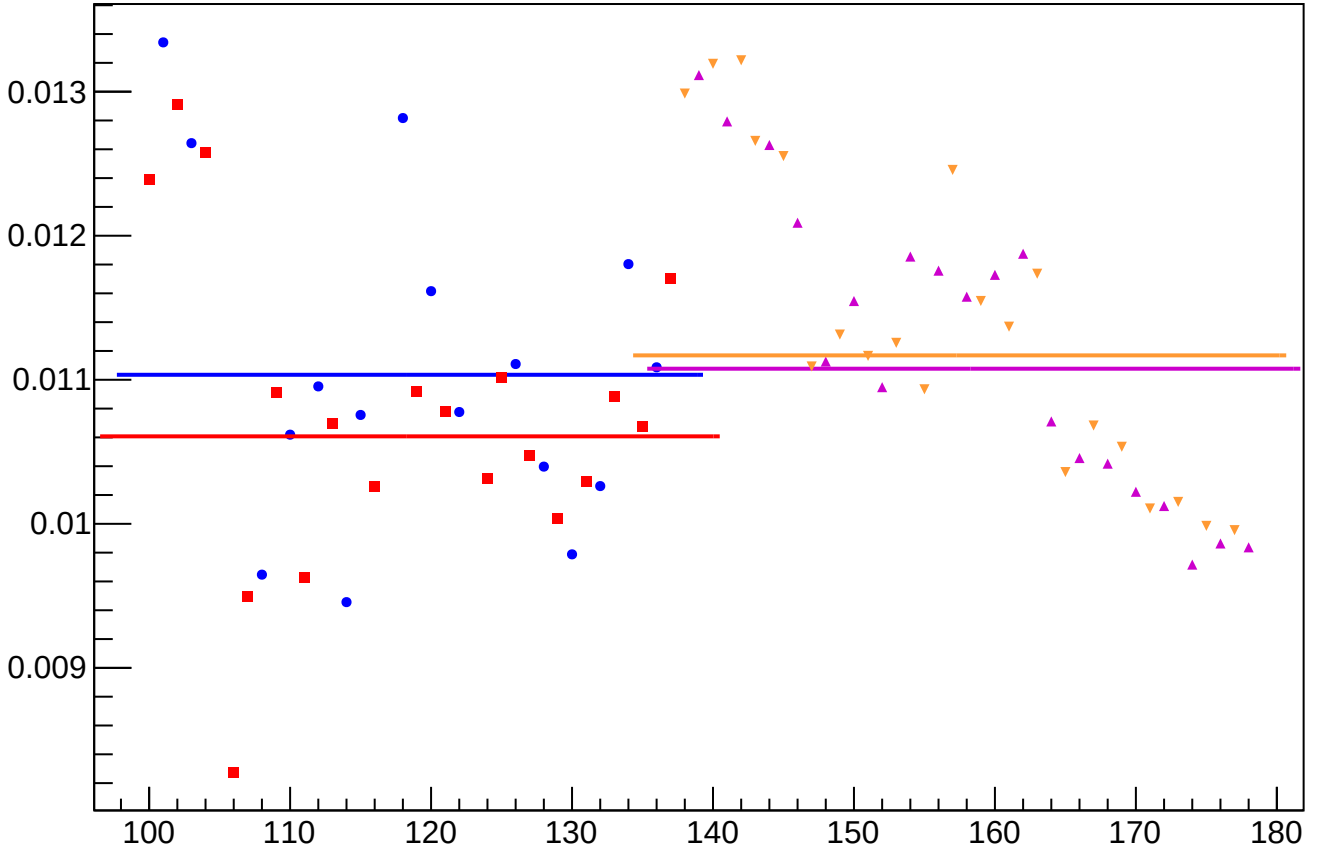
Right: 0.901+/-0.000 χ^2/NDF: 339373965.5/34

In: 0.747+/-0.000 χ^2/NDF:8992088321.1/35

Out: 0.728+/-0.000 χ^2/NDF:11820862500.6/39

All: 0.737+/-0.000 χ^2/NDF: 20849715353.0/7

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:252133.2/19

Left: 0.011+/-0.000 χ^2/NDF: 496137.0/40

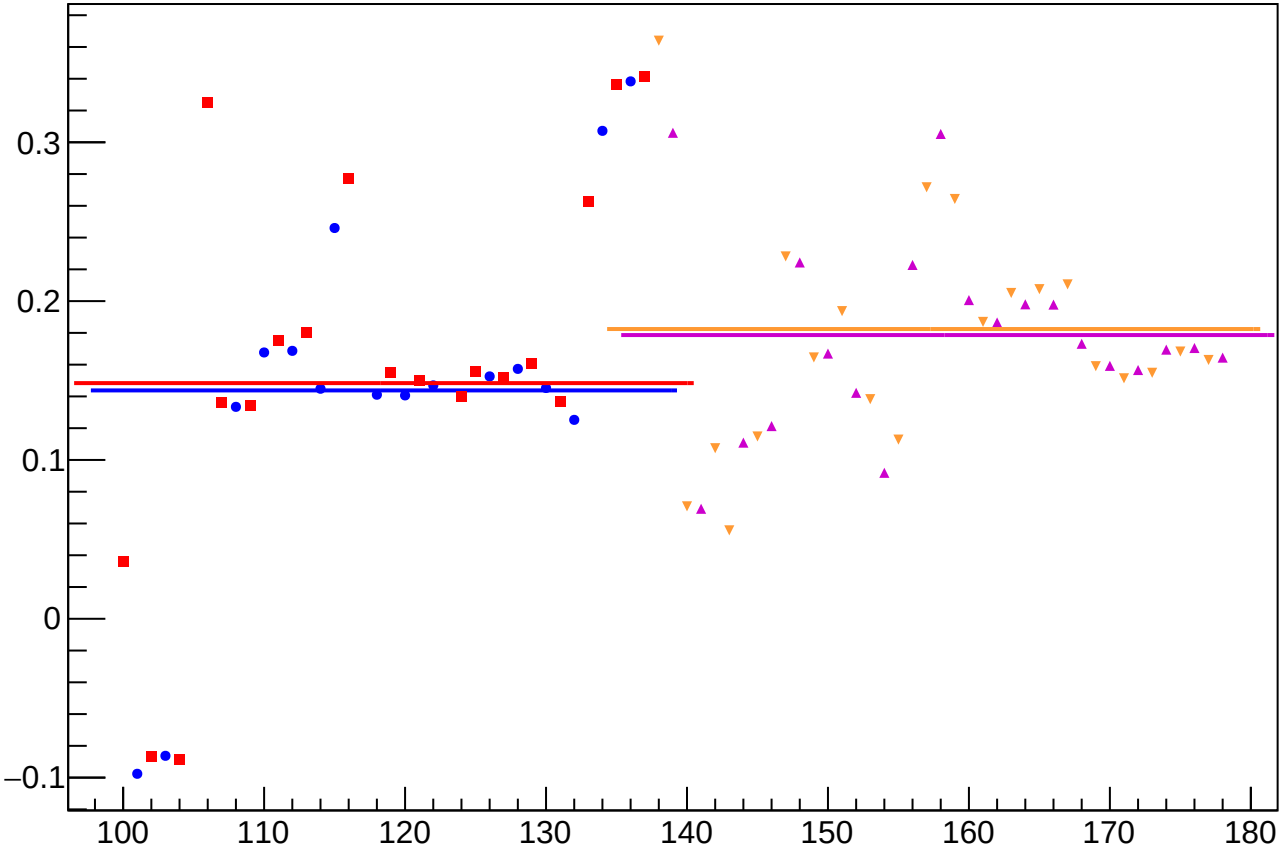
Right: 0.011+/-0.000 χ^2/NDF: 285253.7/34

In: 0.011+/-0.000 χ^2/NDF:382625.1/35

Out: 0.011+/-0.000 χ^2/NDF:413757.3/39

All: 0.011+/-0.000 χ^2/NDF: 797669.4/75

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:4590768294.1/19

Left: 0.181+/-0.000 χ^2/NDF: 10975900902.9/40

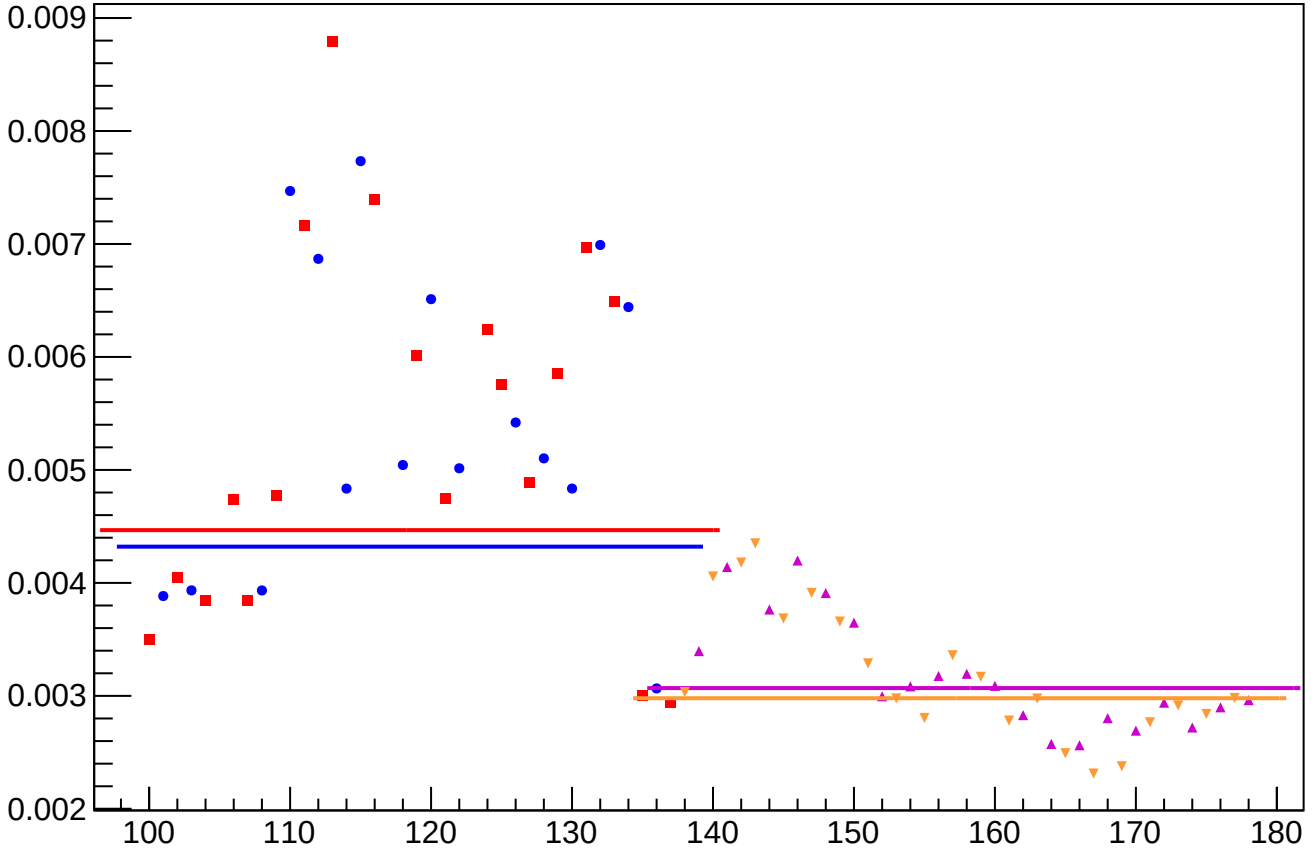
Right: 0.146+/-0.000 χ^2/NDF: 14999065697.1/34

In: 0.173+/-0.000 χ^2/NDF:12770219248.5/35

Out: 0.177+/-0.000 χ^2/NDF:13795644470.7/39

All: 0.175+/-0.000 χ^2/NDF: 26584762627.2/7

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:575441.9/19

Left: 0.003+/-0.000 χ^2/NDF: 1432525.7/40

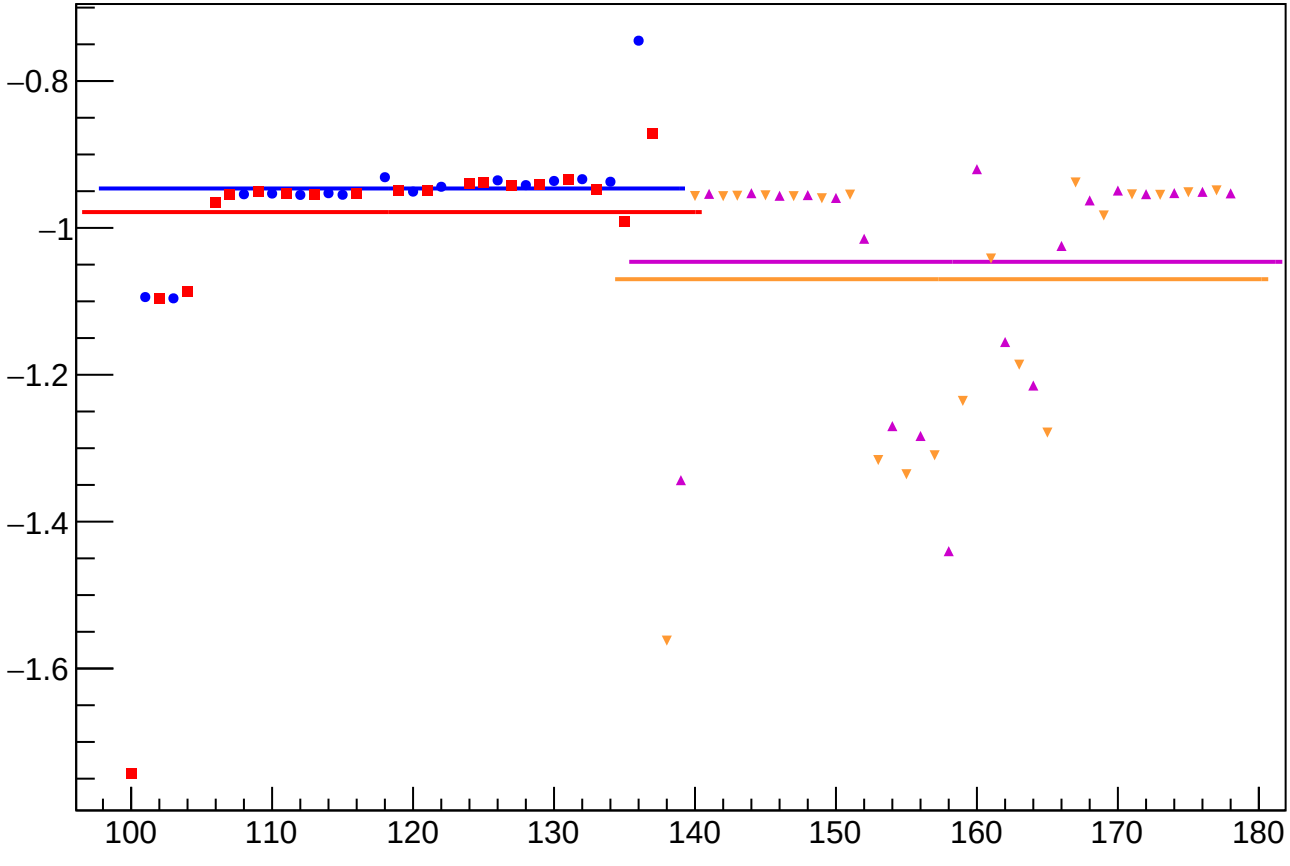
Right: 0.004+/-0.000 χ^2/NDF: 1970552.0/34

In: 0.003+/-0.000 χ^2/NDF:2259173.5/35

Out: 0.003+/-0.000 χ^2/NDF:3051327.1/39

All: 0.003+/-0.000 χ^2/NDF: 5320701.7/75

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: -1.046+/-0.000 χ^2/NDF:3753922833.7/19

Left: -1.058+/-0.000 χ^2/NDF: 8525369834.4/40

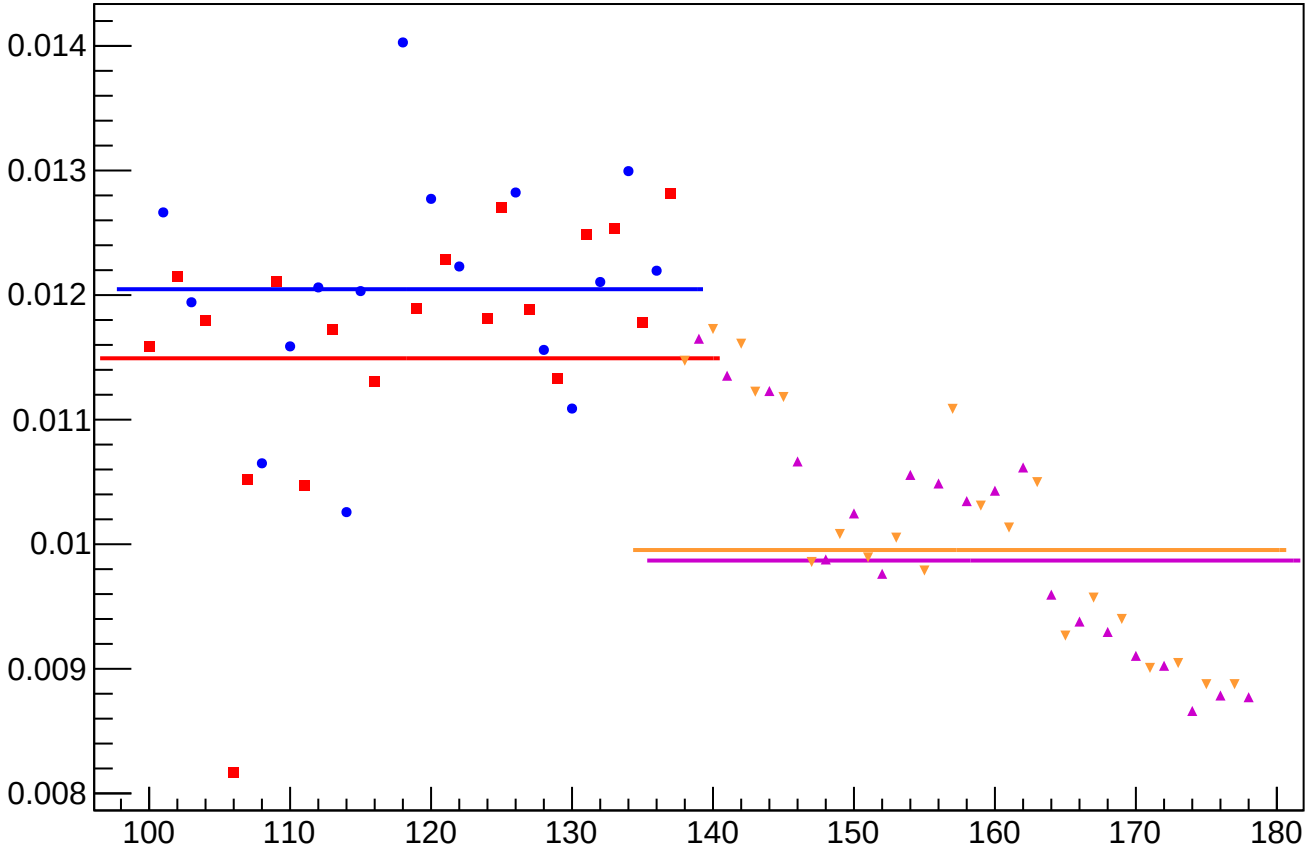
Right: -0.963+/-0.000 χ^2/NDF: 891693396.9/34

In: -1.023+/-0.000 χ^2/NDF:4523083926.8/35

Out: -1.047+/-0.000 χ^2/NDF:5526105389.1/39

All: -1.035+/-0.000 χ^2/NDF: 10106688253.6/

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:245483.0/19

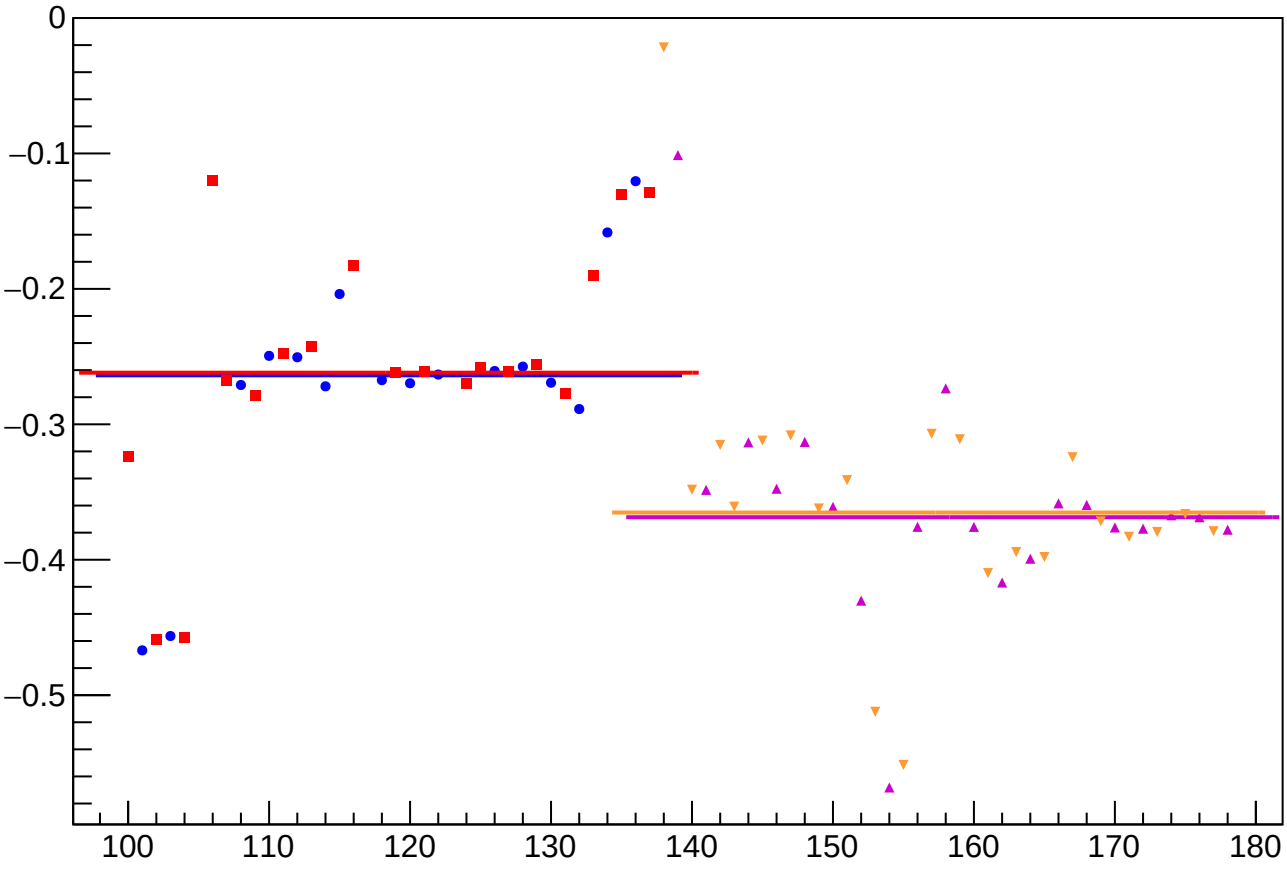
Left: 0.010+/-0.000 χ^2/NDF: 482022.4/40

Right: 0.012+/-0.000 χ^2/NDF: 229327.8/34

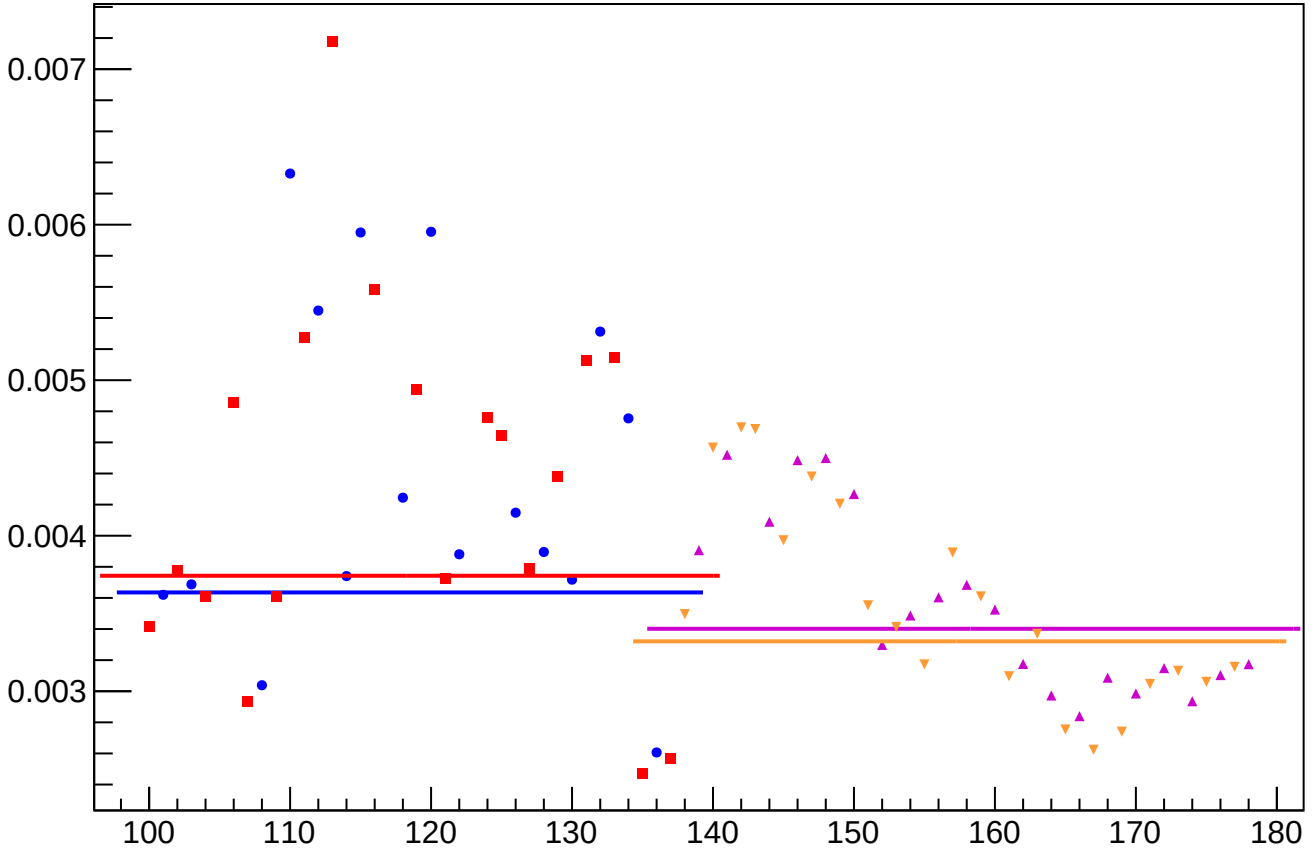
In: 0.010+/-0.000 χ^2/NDF:654817.5/35

Out: 0.010+/-0.000 χ^2/NDF:578699.3/39

All: 0.010+/-0.000 χ^2/NDF: 1233629.1/75


yield_bpm0l10Y_mean vs Slug, Sign Corrected
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
160
170
180
Right In: -0.264+/-0.000 χ²/NDF: 6106171444.3/15
Left Out: -0.365+/-0.000 χ²/NDF:11916026130.6/20
Right Out: -0.262+/-0.000 χ²/NDF: 5250043427.3/18
Left In: -0.369+/-0.000 χ²/NDF:7575215493.1/19
Left: -0.367+/-0.000 χ²/NDF: 19499198526.0/40
Right: -0.263+/-0.000 χ²/NDF: 11357011784.3/34
In: -0.342+/-0.000 χ²/NDF:17254124628.6/35
Out: -0.340+/-0.000 χ²/NDF:20650808607.0/39
All: -0.341+/-0.000 χ²/NDF: 37906873922.4/

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:613009.5/19

Left: 0.003+/-0.000 χ^2/NDF: 1429290.5/40

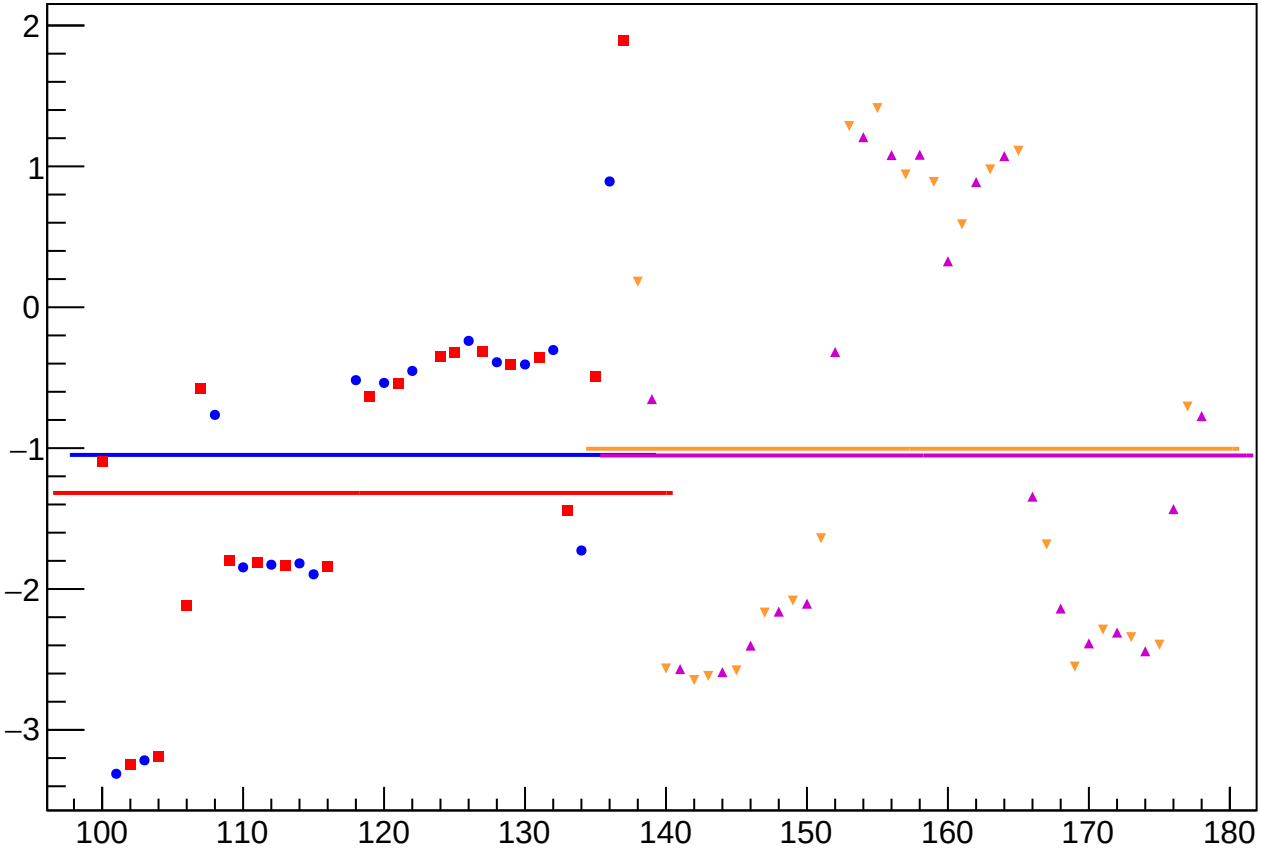
Right: 0.004+/-0.000 χ^2/NDF: 1627770.5/34

In: 0.003+/-0.000 χ^2/NDF:1377120.8/35

Out: 0.003+/-0.000 χ^2/NDF:1818060.0/39

All: 0.003+/-0.000 χ^2/NDF: 3197882.0/75

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: -1.052+/-0.000 χ^2/NDF:5827600925.6/19

Left: -1.028+/-0.000 χ^2/NDF: 12982230009.2/40

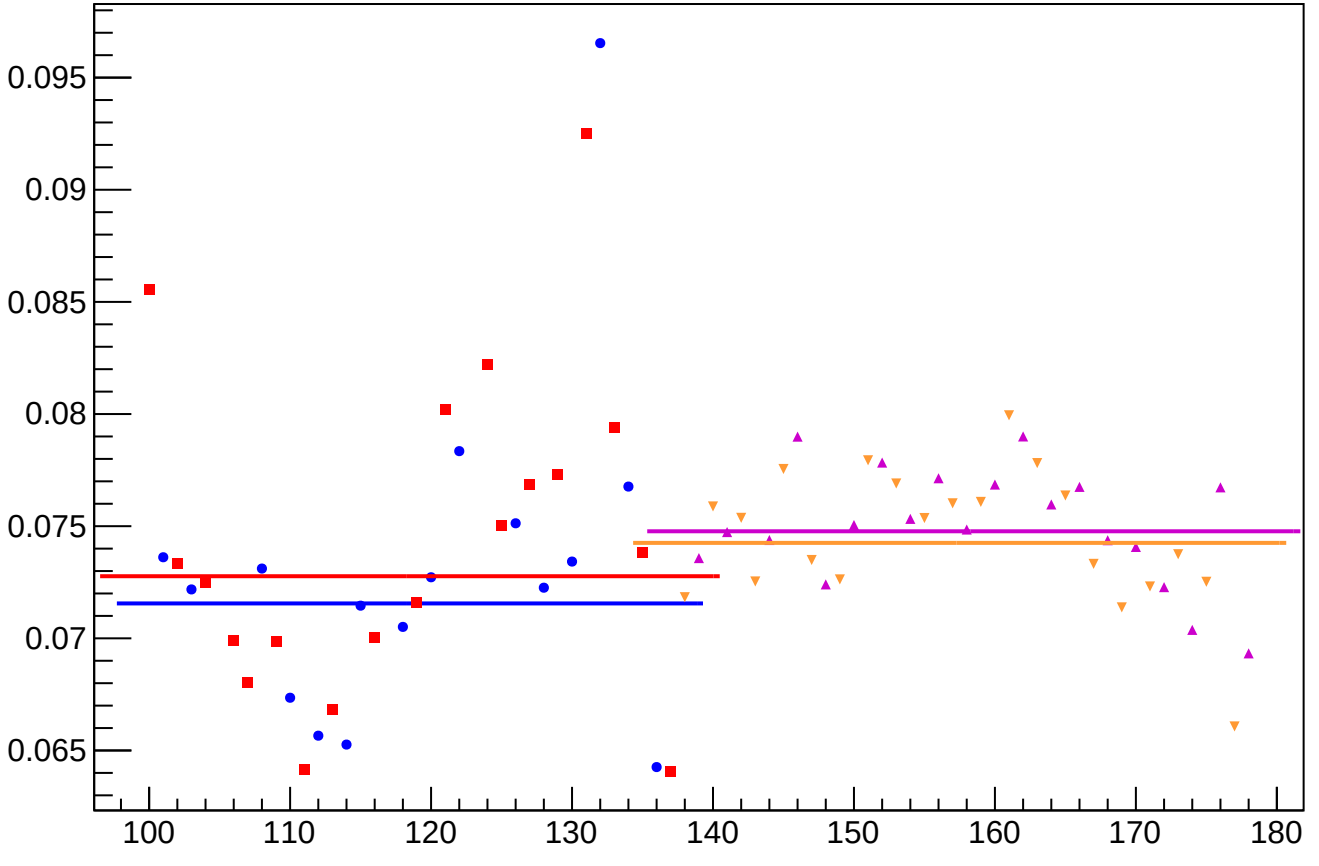
Right: -1.183+/-0.000 χ^2/NDF: 4244956360.2/34

In: -1.051+/-0.000 χ^2/NDF:8174638604.8/35

Out: -1.103+/-0.000 χ^2/NDF:9091646544.9/39

All: -1.077+/-0.000 χ^2/NDF: 17272174329.9/

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:37423.3/19

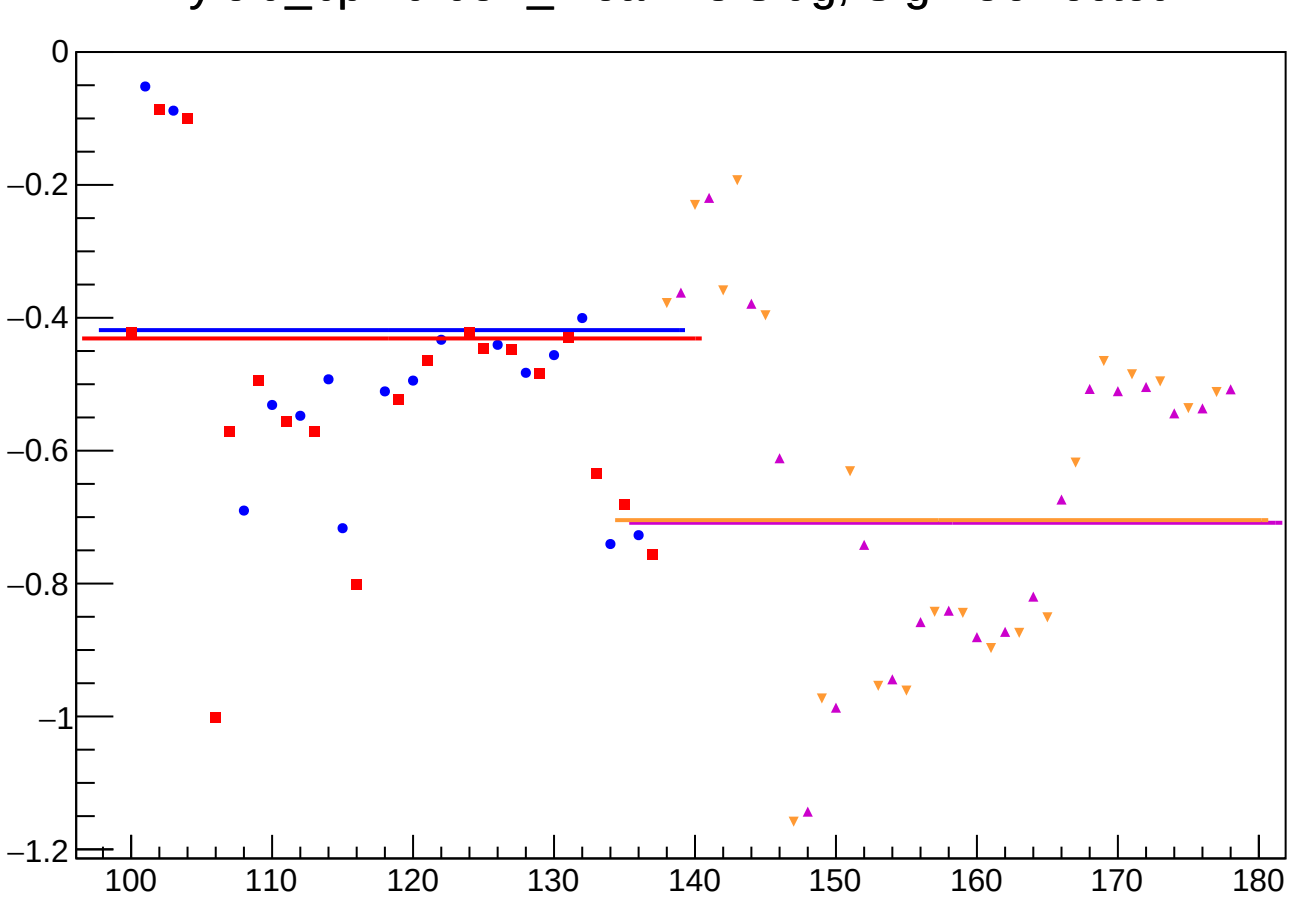
Left: 0.075+/-0.000 χ^2/NDF: 95911.5/40

Right: 0.072+/-0.000 χ^2/NDF: 200129.9/34

In: 0.074+/-0.000 χ^2/NDF:157840.2/35

Out: 0.074+/-0.000 χ^2/NDF:158728.7/39

All: 0.074+/-0.000 χ^2/NDF: 316581.1/75



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: -0.709+/-0.000 χ^2/NDF:15610724388.4/19

Left: -0.706+/-0.000 χ^2/NDF: 35695637064.7/40

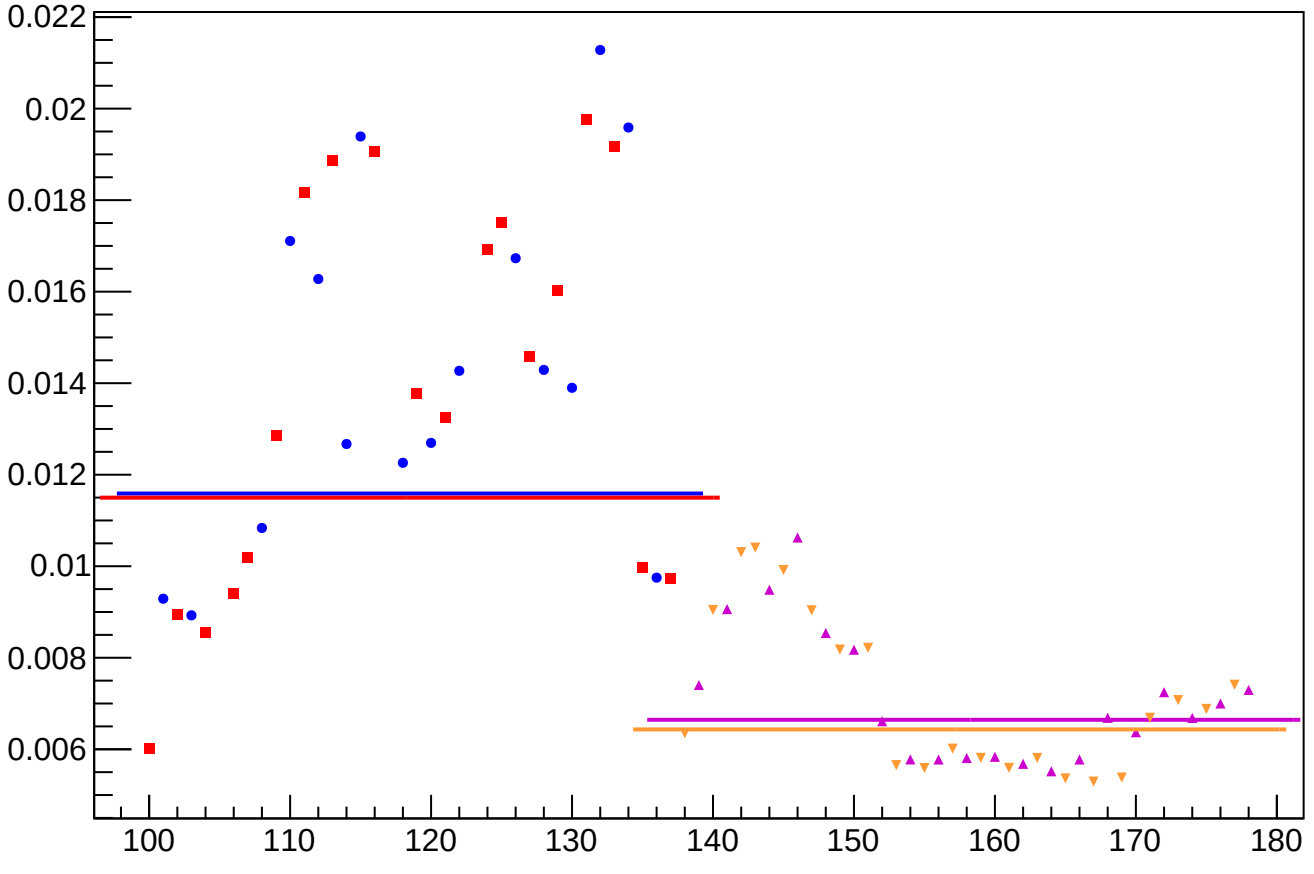
Right: -0.425+/-0.000 χ^2/NDF: 6272338159.2/34

In: -0.675+/-0.000 χ^2/NDF:21980639899.0/35

Out: -0.674+/-0.000 χ^2/NDF:26300092904.5/39

All: -0.675+/-0.000 χ^2/NDF: 48280782789.7/

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:906566.6/19

Left: 0.007+/-0.000 χ^2/NDF: 2190904.2/40

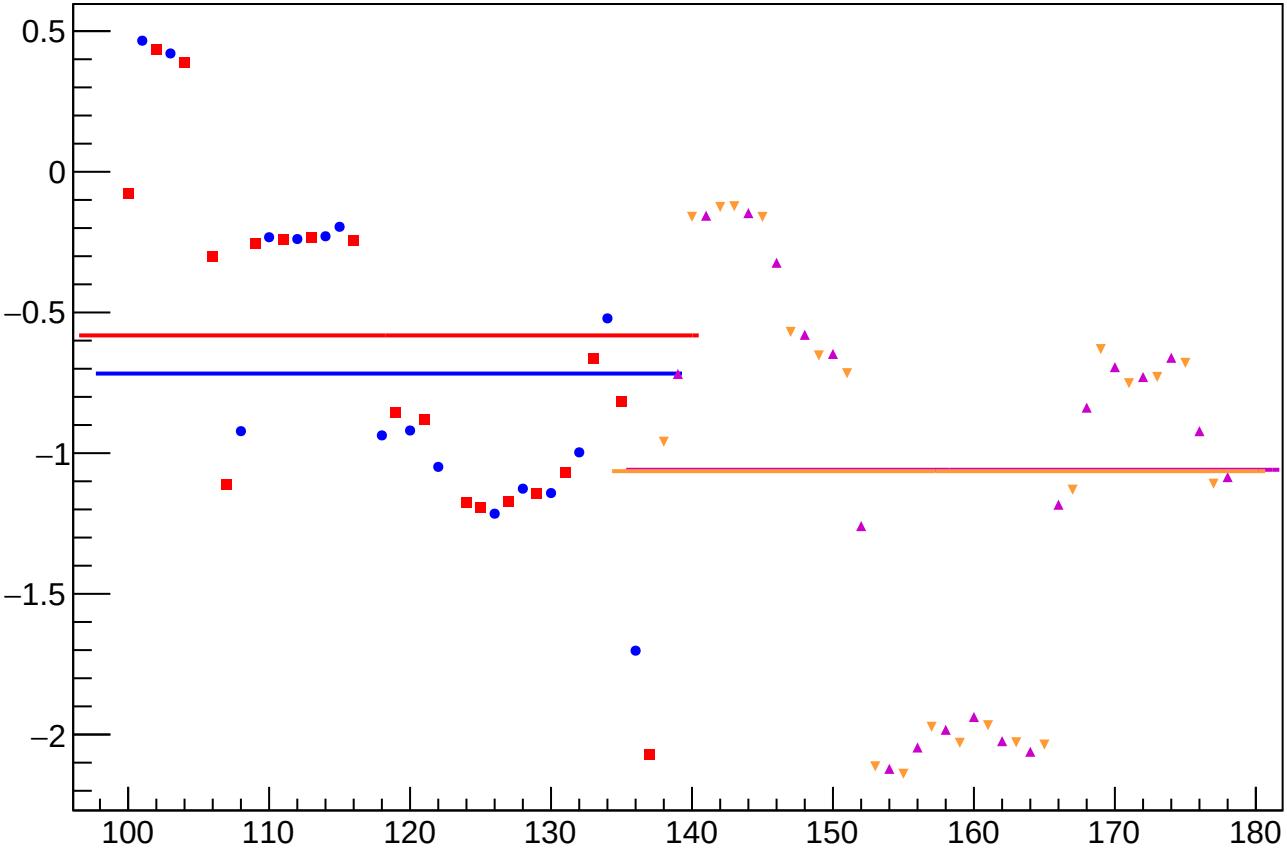
Right: 0.012+/-0.000 χ^2/NDF: 1951282.6/34

In: 0.007+/-0.000 χ^2/NDF:3611057.8/35

Out: 0.007+/-0.000 χ^2/NDF:4506521.9/39

All: 0.007+/-0.000 χ^2/NDF: 8137530.9/75

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: -1.059+/-0.000 χ^2/NDF:973003210.7/19

Left: -1.062+/-0.000 χ^2/NDF: 2121008054.5/40

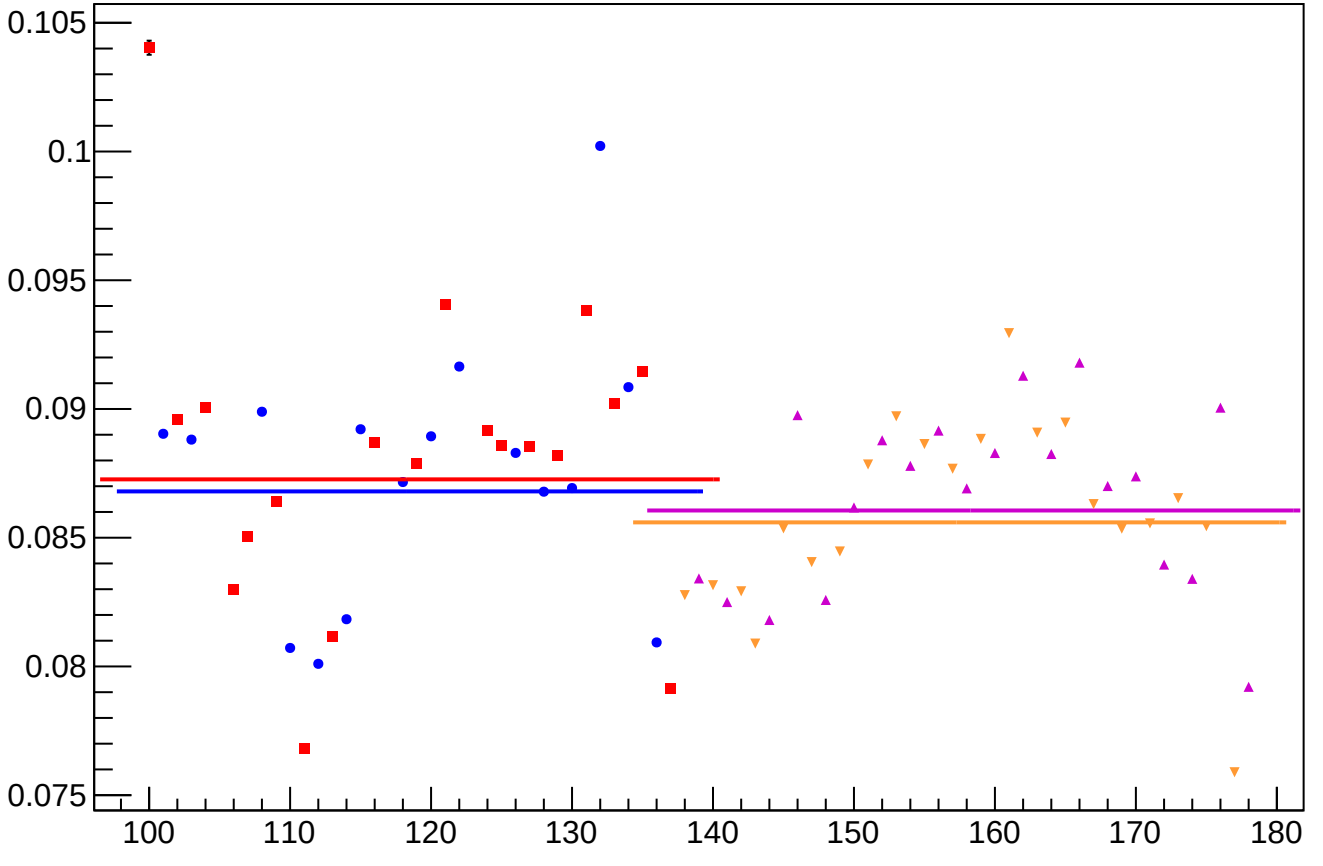
Right: -0.648+/-0.000 χ^2/NDF: 788347373.4/34

In: -0.955+/-0.000 χ^2/NDF:1487990654.1/35

Out: -0.918+/-0.000 χ^2/NDF:1648844639.7/39

All: -0.937+/-0.000 χ^2/NDF: 3139021079.0/7

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.086+/-0.000 χ^2/NDF:61873.5/20

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

Left In: 0.086+/-0.000 χ^2/NDF:49479.5/19

Left: 0.086+/-0.000 χ^2/NDF: 111827.4/40

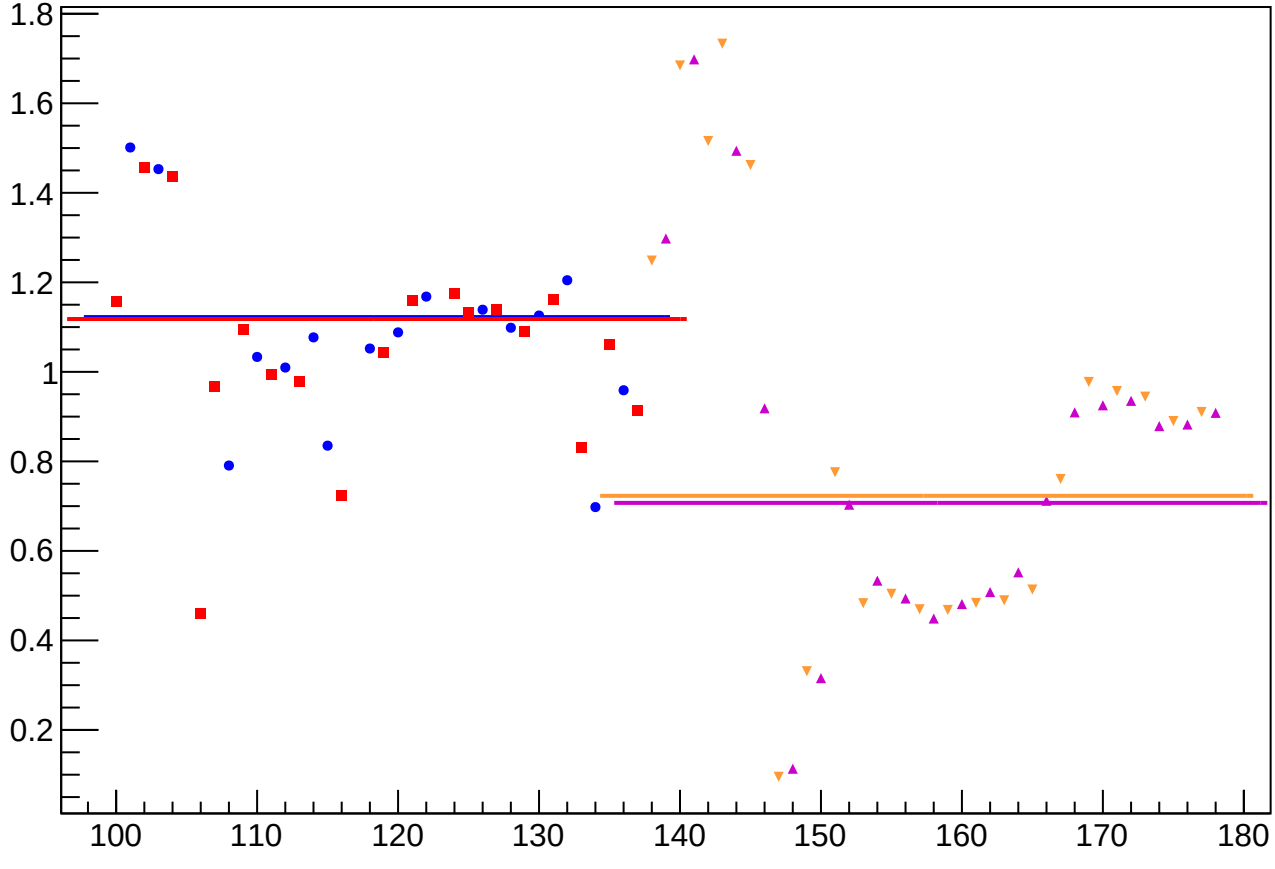
Right: 0.087+/-0.000 χ^2/NDF: 89950.5/34

In: 0.086+/-0.000 χ^2/NDF:93783.4/35

Out: 0.086+/-0.000 χ^2/NDF:111845.1/39

All: 0.086+/-0.000 χ^2/NDF: 205734.4/75

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: 0.707+/-0.000 χ^2/NDF:24867417490.5/19

Left: 0.715+/-0.000 χ^2/NDF: 56487669503.5/40

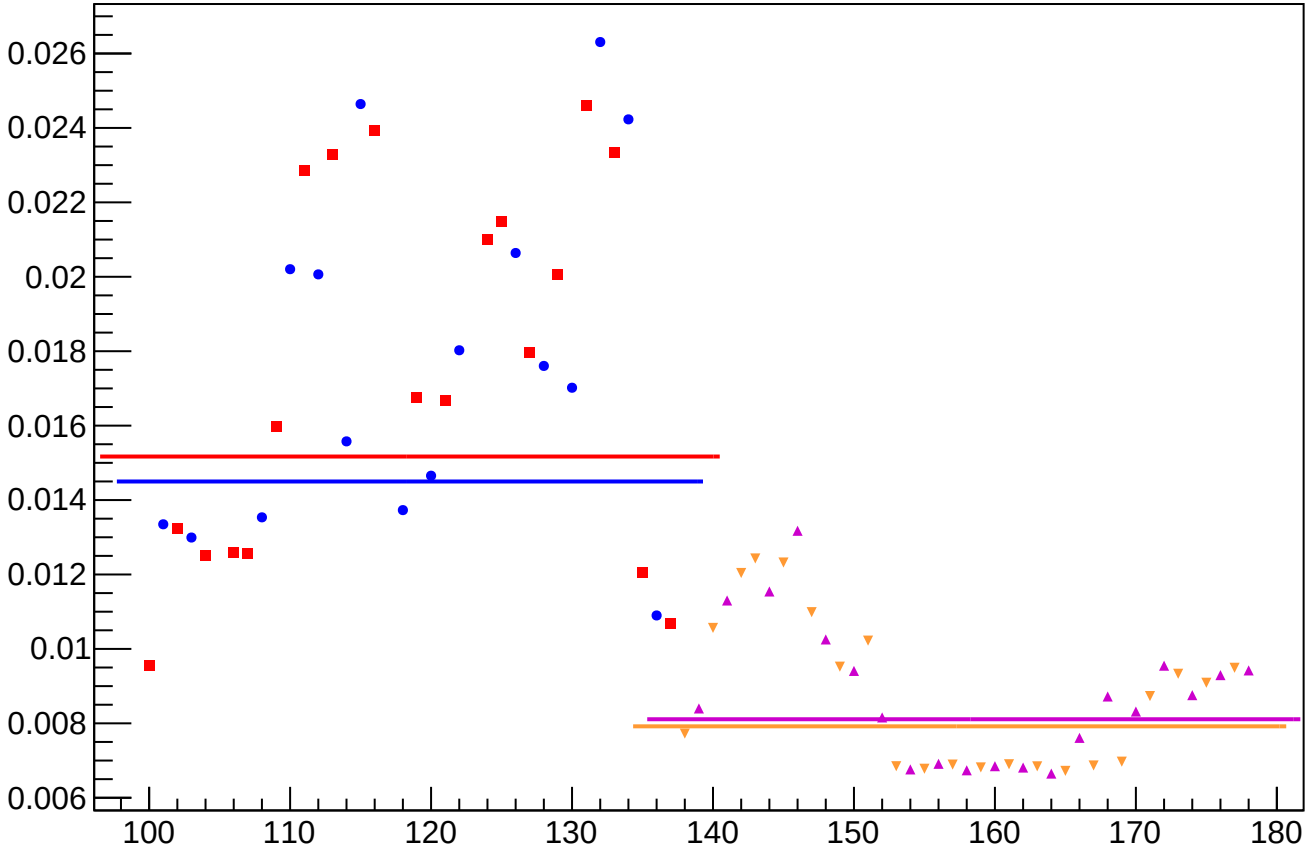
Right: 1.120+/-0.000 χ^2/NDF: 3024831149.0/34

In: 0.753+/-0.000 χ^2/NDF:30671855883.3/35

Out: 0.762+/-0.000 χ^2/NDF:36910107711.1/39

All: 0.758+/-0.000 χ^2/NDF: 67591608407.3/7

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:1061507.0/19

Left: 0.008+/-0.000 χ^2/NDF: 2337695.0/40

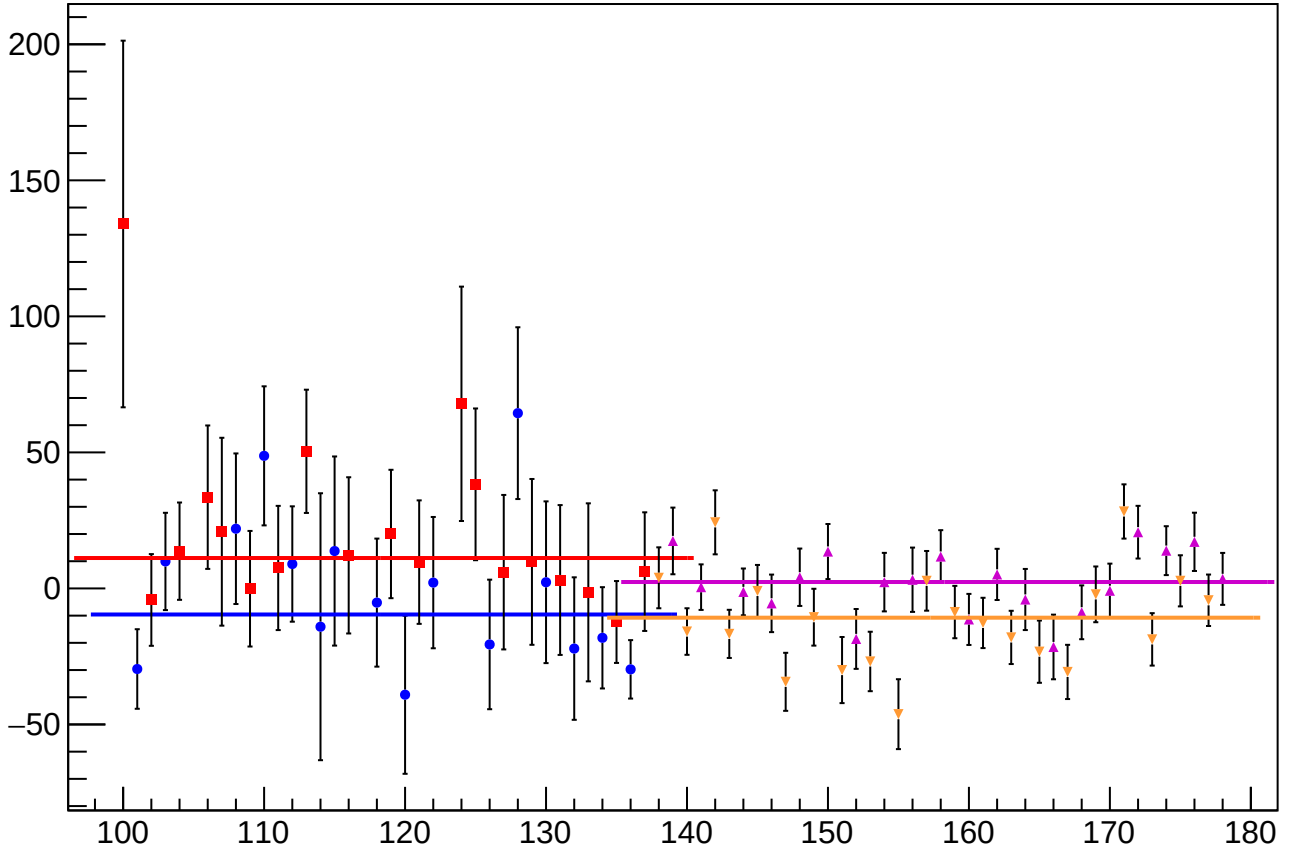
Right: 0.015+/-0.000 χ^2/NDF: 1587355.3/34

In: 0.009+/-0.000 χ^2/NDF:3832821.7/35

Out: 0.009+/-0.000 χ^2/NDF:4658667.0/39

All: 0.009+/-0.000 χ^2/NDF: 8500627.4/75

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: 2.358+/-2.250 χ^2/NDF:23.2/19

Left: -4.297+/-1.579 χ^2/NDF: 96.7/40

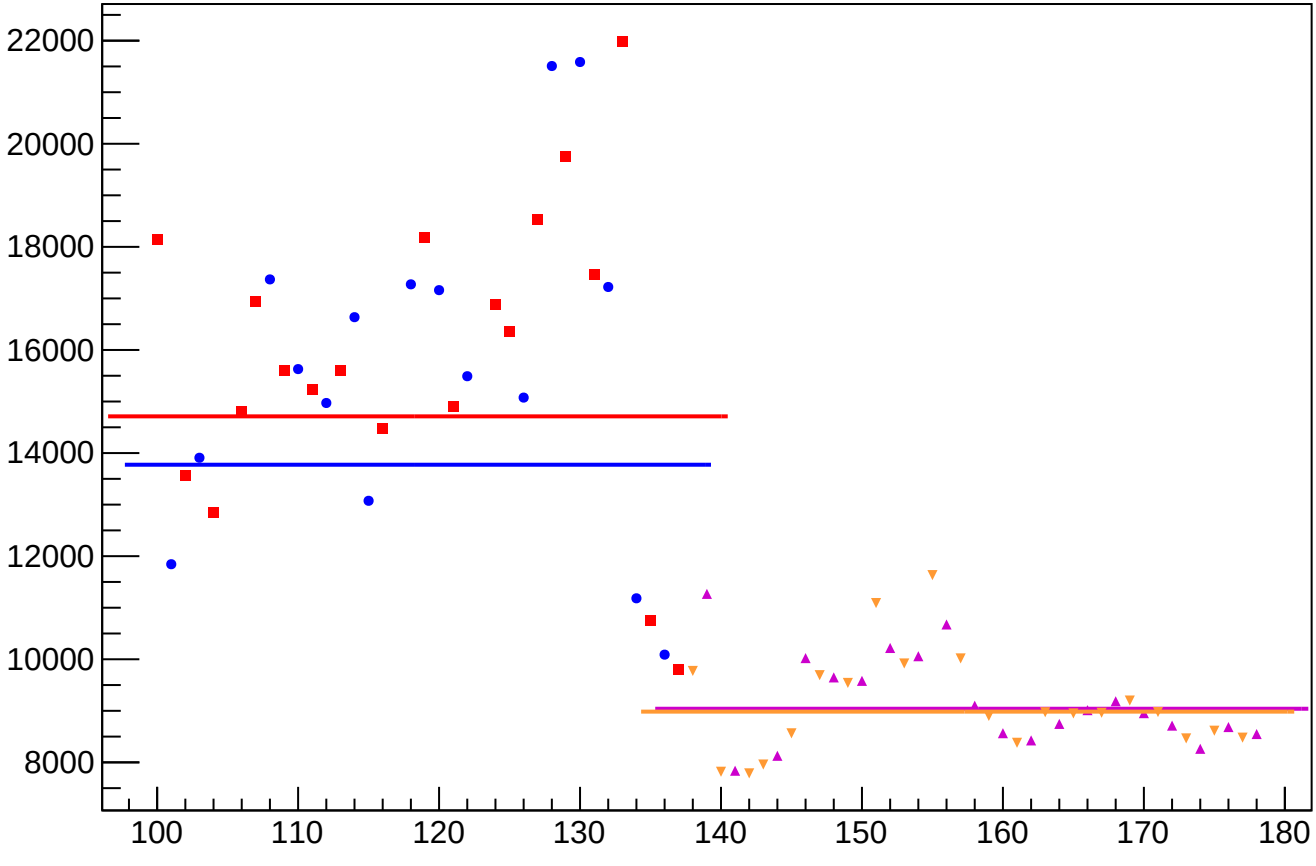
Right: 0.401+/-3.812 χ^2/NDF: 43.2/34

In: 0.529+/-2.071 χ^2/NDF:49.5/35

Out: -7.689+/-2.056 χ^2/NDF:83.8/39

All: -3.609+/-1.459 χ^2/NDF: 141.2/75

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: 9040.245+/-1.591 χ^2/NDF:279112.5/19

Left: 9011.897+/-1.117 χ^2/NDF: 594408.0/40

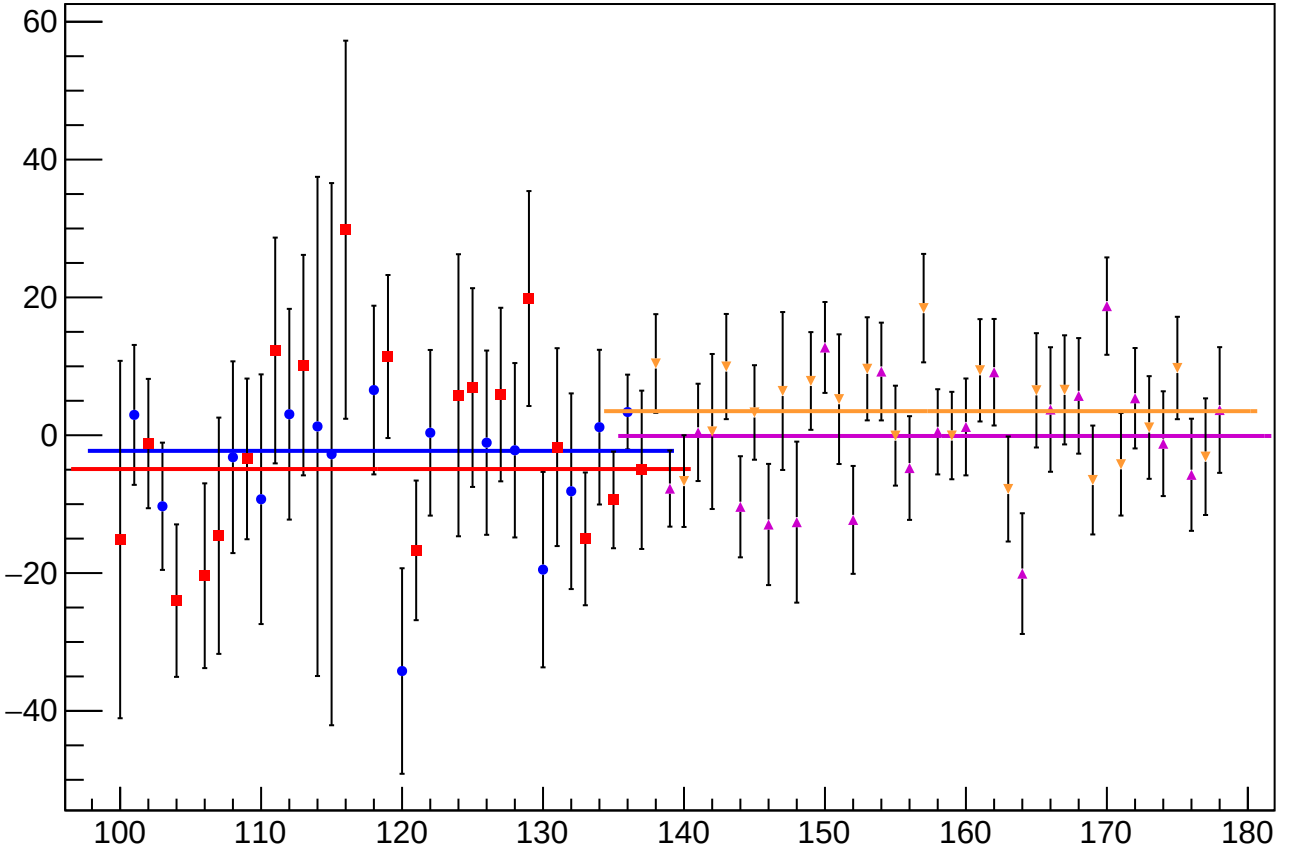
Right: 14225.090+/-2.695 χ^2/NDF: 1335141.9/34

In: 9765.261+/-1.464 χ^2/NDF:2382502.6/35

Out: 9785.445+/-1.454 χ^2/NDF:2739655.9/39

All: 9775.425+/-1.032 χ^2/NDF: 5122254.2/75

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: -0.107+/-1.680 χ^2/NDF:31.2/19

Left: 1.695+/-1.187 χ^2/NDF: 50.1/40

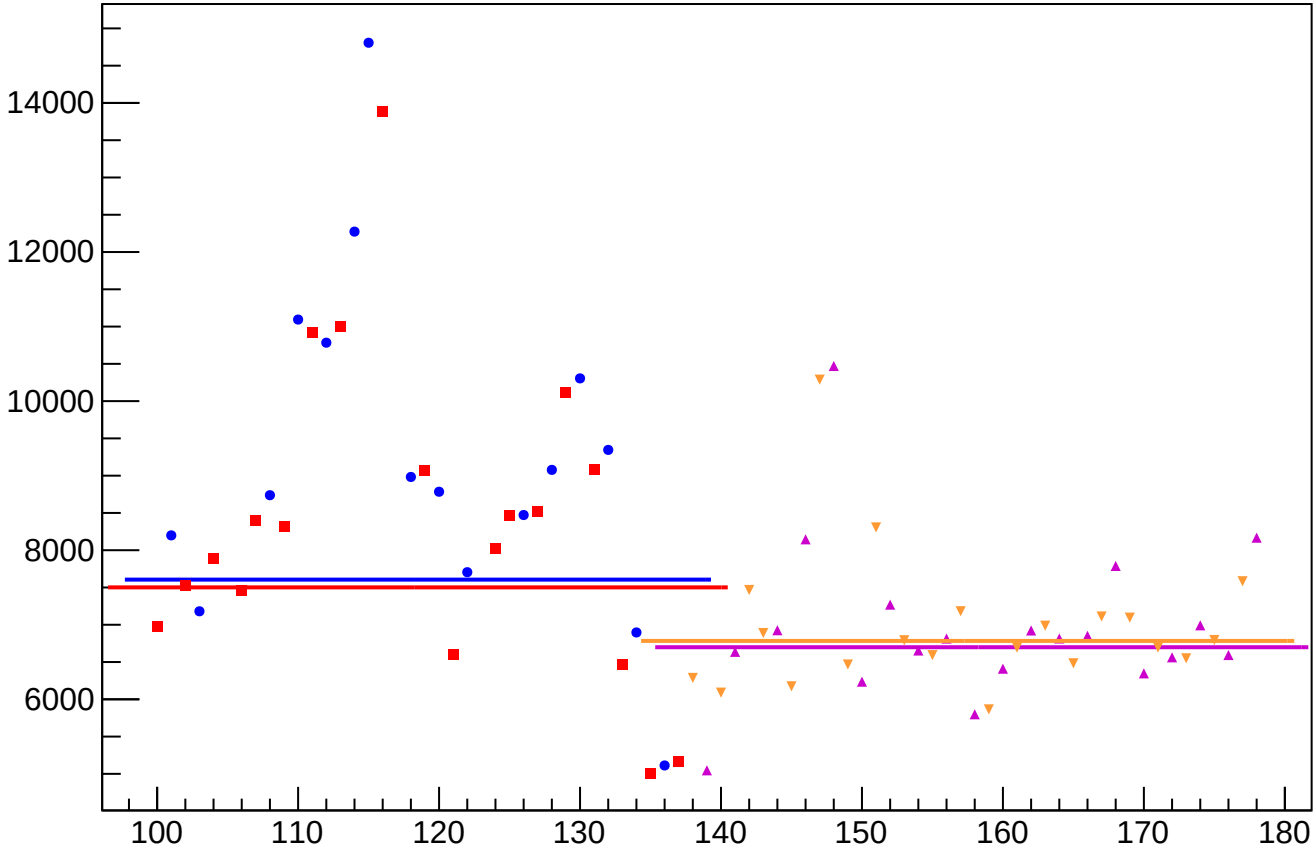
Right: -3.625+/-2.035 χ^2/NDF: 27.3/34

In: -0.643+/-1.456 χ^2/NDF:40.9/35

Out: 1.316+/-1.444 χ^2/NDF:40.6/39

All: 0.345+/-1.025 χ^2/NDF: 82.4/75

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: 6698.608+/-1.188 χ^2/NDF:607711.6/19

Left: 6740.998+/-0.839 χ^2/NDF: 988052.5/40

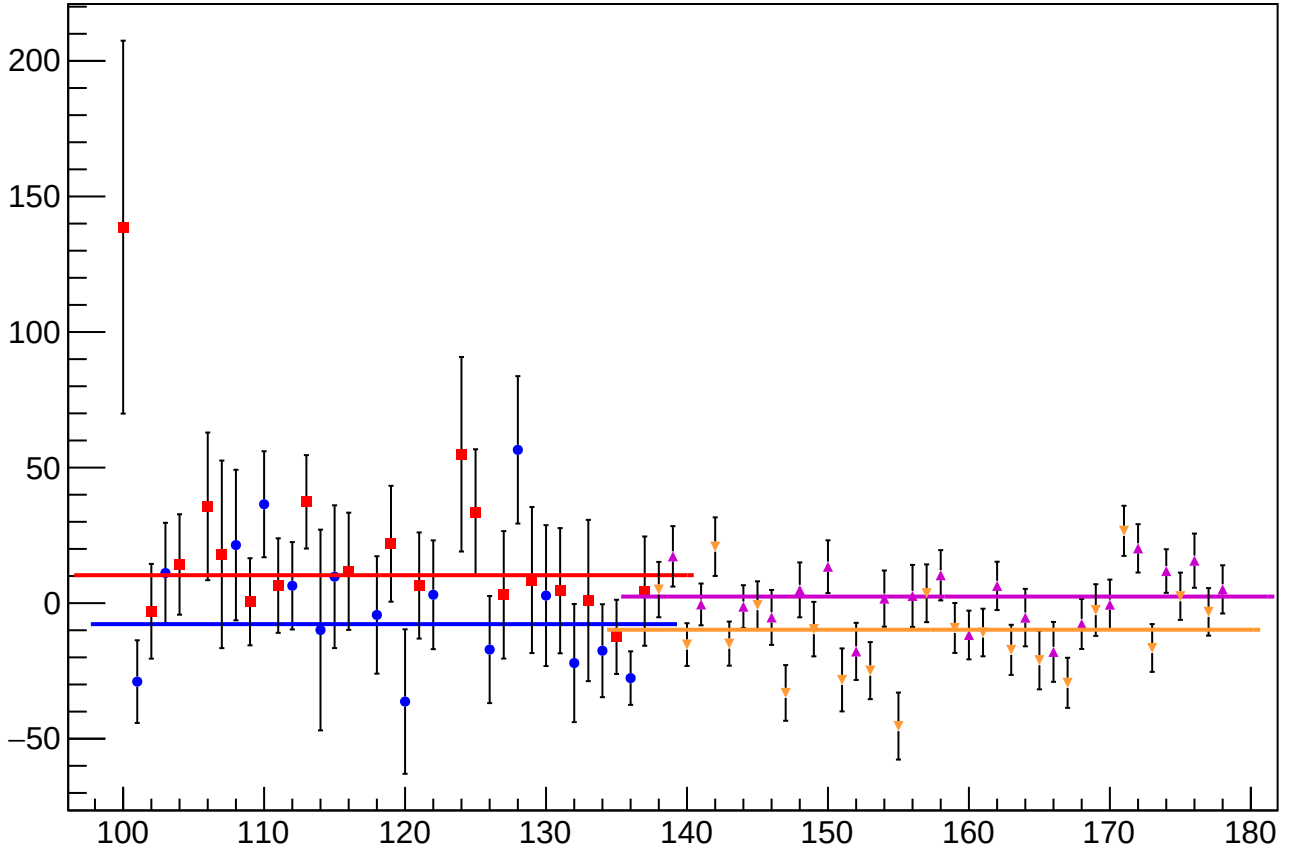
Right: 7552.053+/-1.439 χ^2/NDF: 1716360.9/34

In: 6923.877+/-1.030 χ^2/NDF:1644076.7/35

Out: 6969.565+/-1.021 χ^2/NDF:1296362.1/39

All: 6946.910+/-0.725 χ^2/NDF: 2941431.3/75

diff_bpm4eX_mean vs Slug, Sign Corrected



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: 2.428+/-2.109 χ^2/NDF:23.6/19

Left: -3.787+/-1.479 χ^2/NDF: 97.9/40

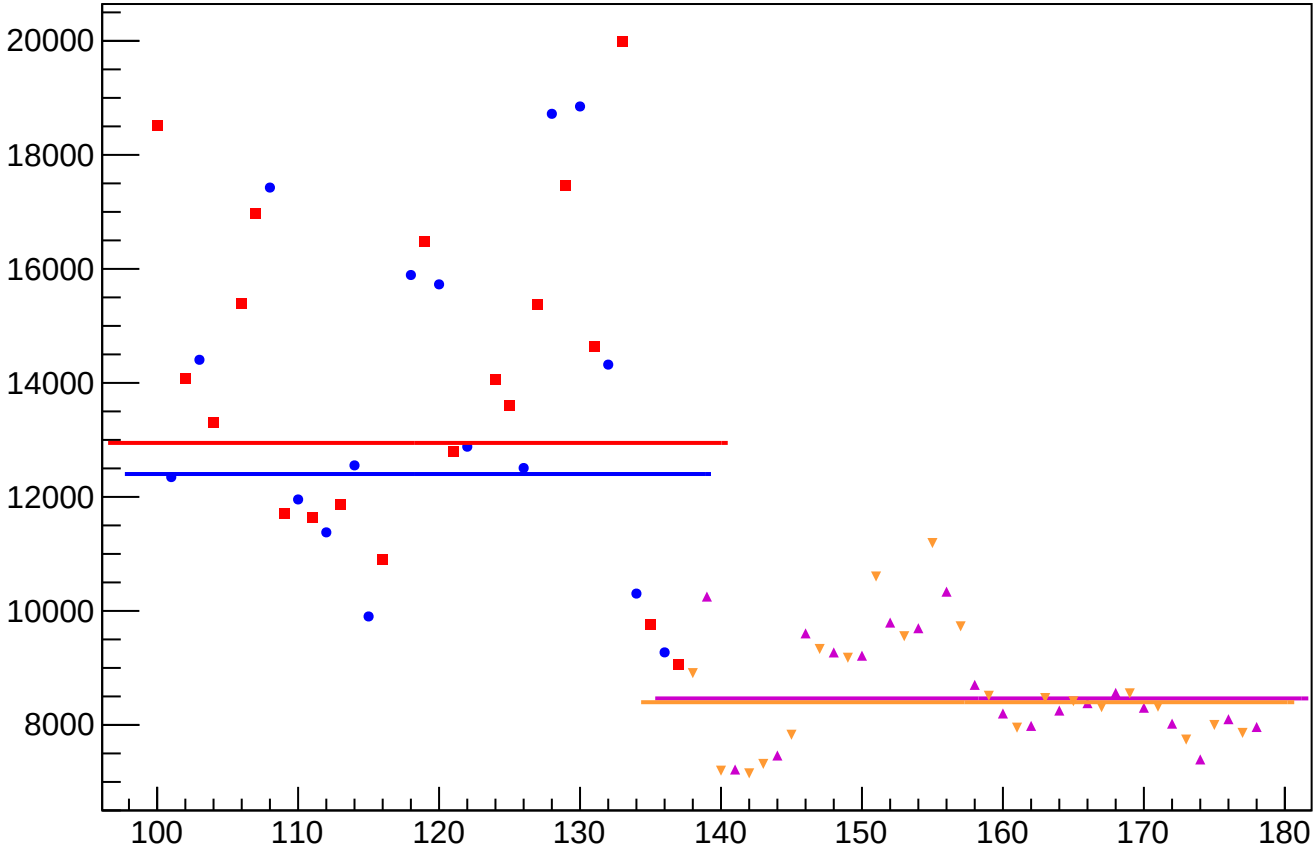
Right: 1.111+/-3.389 χ^2/NDF: 43.7/34

In: 0.752+/-1.928 χ^2/NDF:50.1/35

Out: -6.680+/-1.907 χ^2/NDF:85.8/39

All: -3.003+/-1.356 χ^2/NDF: 143.4/75

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: 8465.033+/-1.492 χ^2/NDF:359444.2/19

Left: 8431.259+/-1.046 χ^2/NDF: 769930.9/40

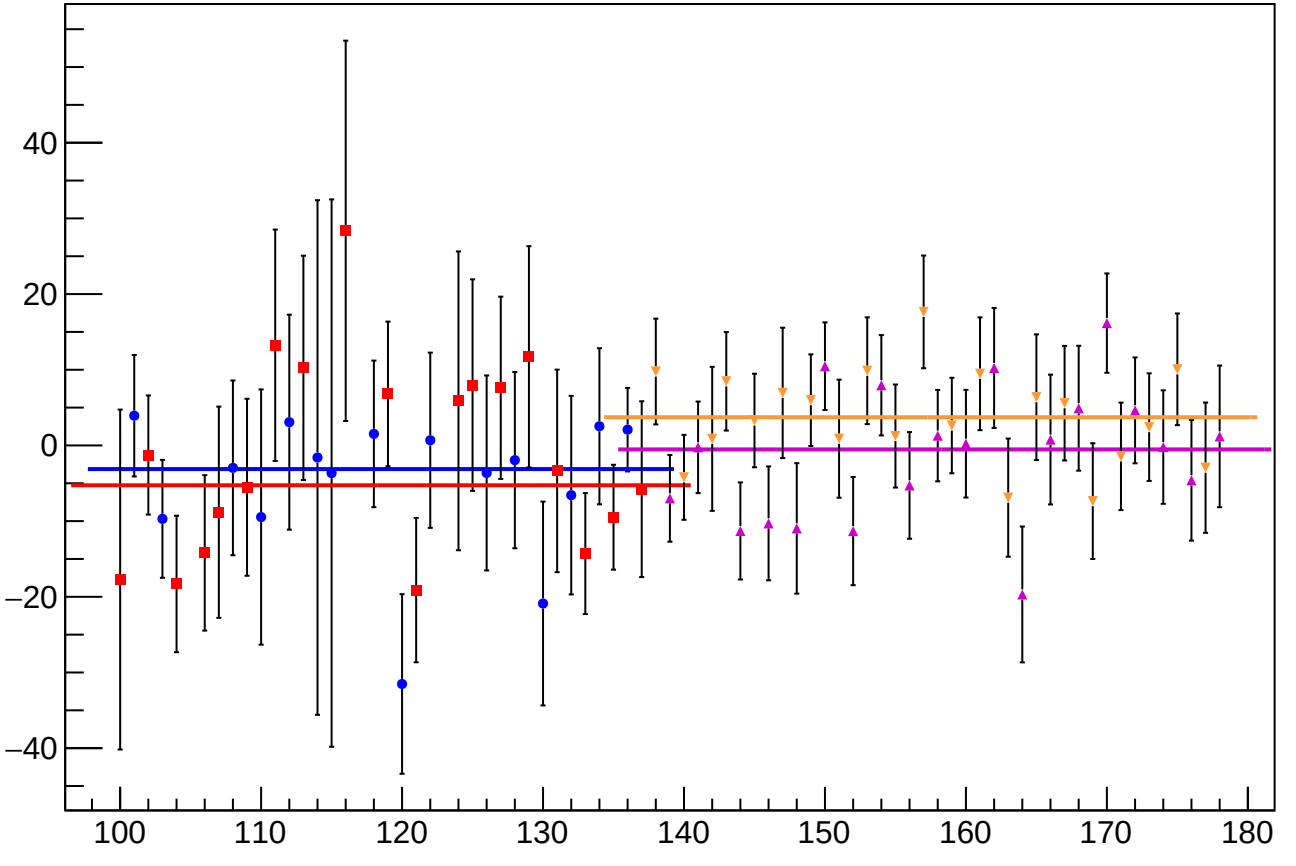
Right: 12669.304+/-2.397 χ^2/NDF: 1246455.4/34

In: 9113.934+/-1.363 χ^2/NDF:2185975.1/35

Out: 9105.049+/-1.349 χ^2/NDF:2456980.1/39

All: 9109.444+/-0.959 χ^2/NDF: 4642976.6/75

diff_bpm4eY_mean vs Slug, Sign Corrected



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: -0.526+/-1.585 χ^2/NDF:29.5/19

Left: 1.633+/-1.113 χ^2/NDF: 48.0/40

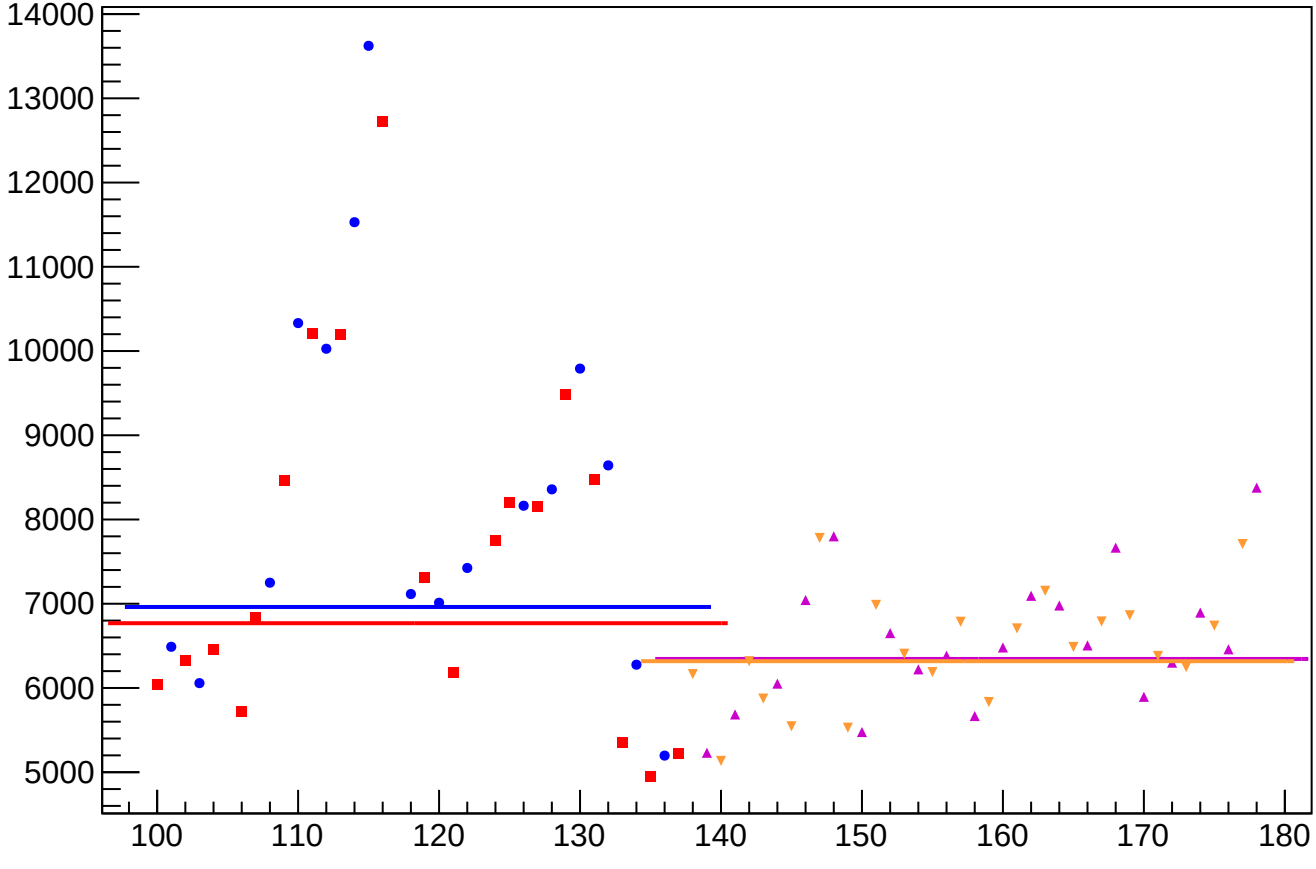
Right: -4.236+/-1.840 χ^2/NDF: 28.1/34

In: -1.208+/-1.361 χ^2/NDF:41.1/35

Out: 1.280+/-1.332 χ^2/NDF:40.7/39

All: 0.063+/-0.952 χ^2/NDF: 83.5/75

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: 6344.712+/-1.121 χ^2/NDF:447845.7/19

Left: 6331.200+/-0.787 χ^2/NDF: 811998.8/40

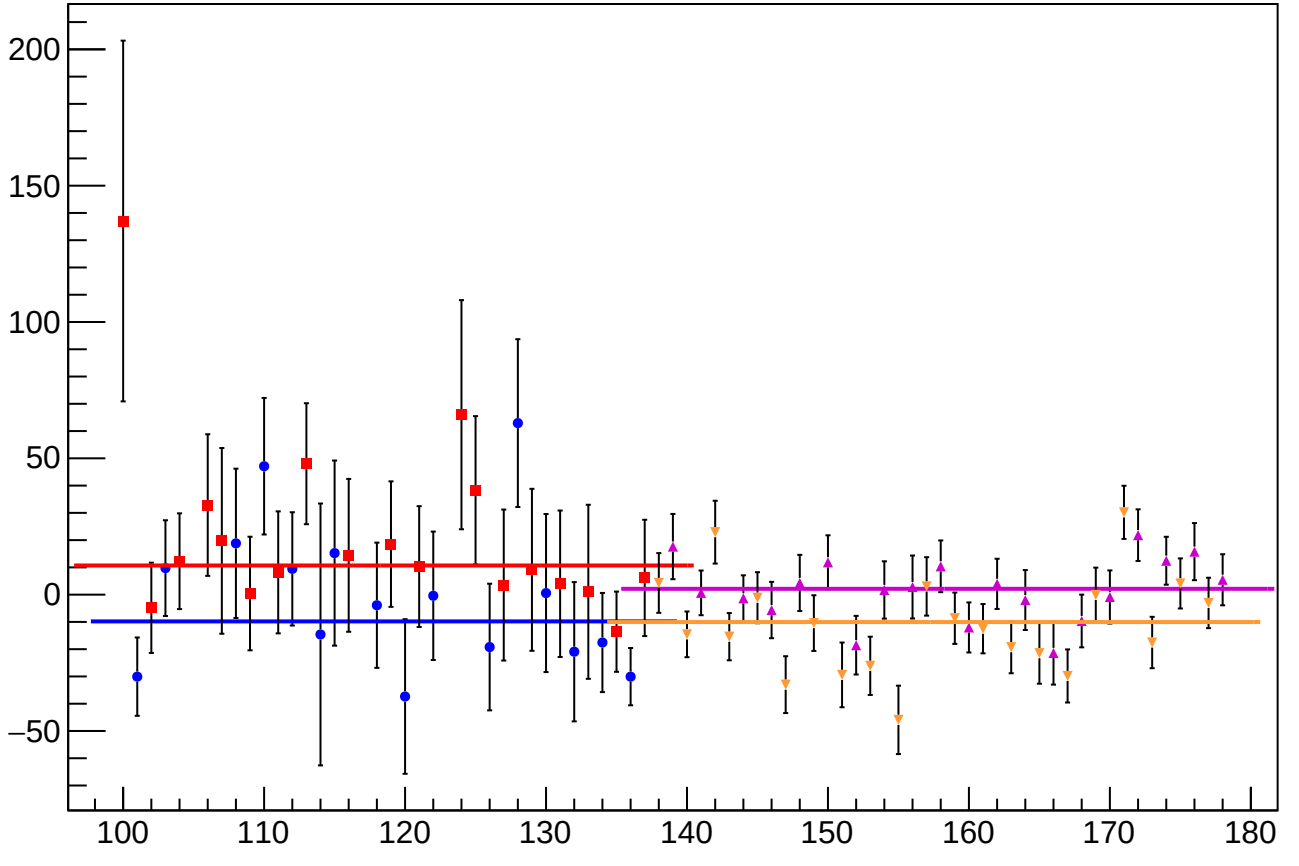
Right: 6861.506+/-1.301 χ^2/NDF: 1499983.0/34

In: 6506.802+/-0.963 χ^2/NDF:1223820.2/35

Out: 6440.860+/-0.942 χ^2/NDF:1207370.5/39

All: 6473.119+/-0.673 χ^2/NDF: 2433588.0/75

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: 2.142+/-2.200 χ^2/NDF:23.7/19

Left: -4.044+/-1.544 χ^2/NDF: 98.0/40

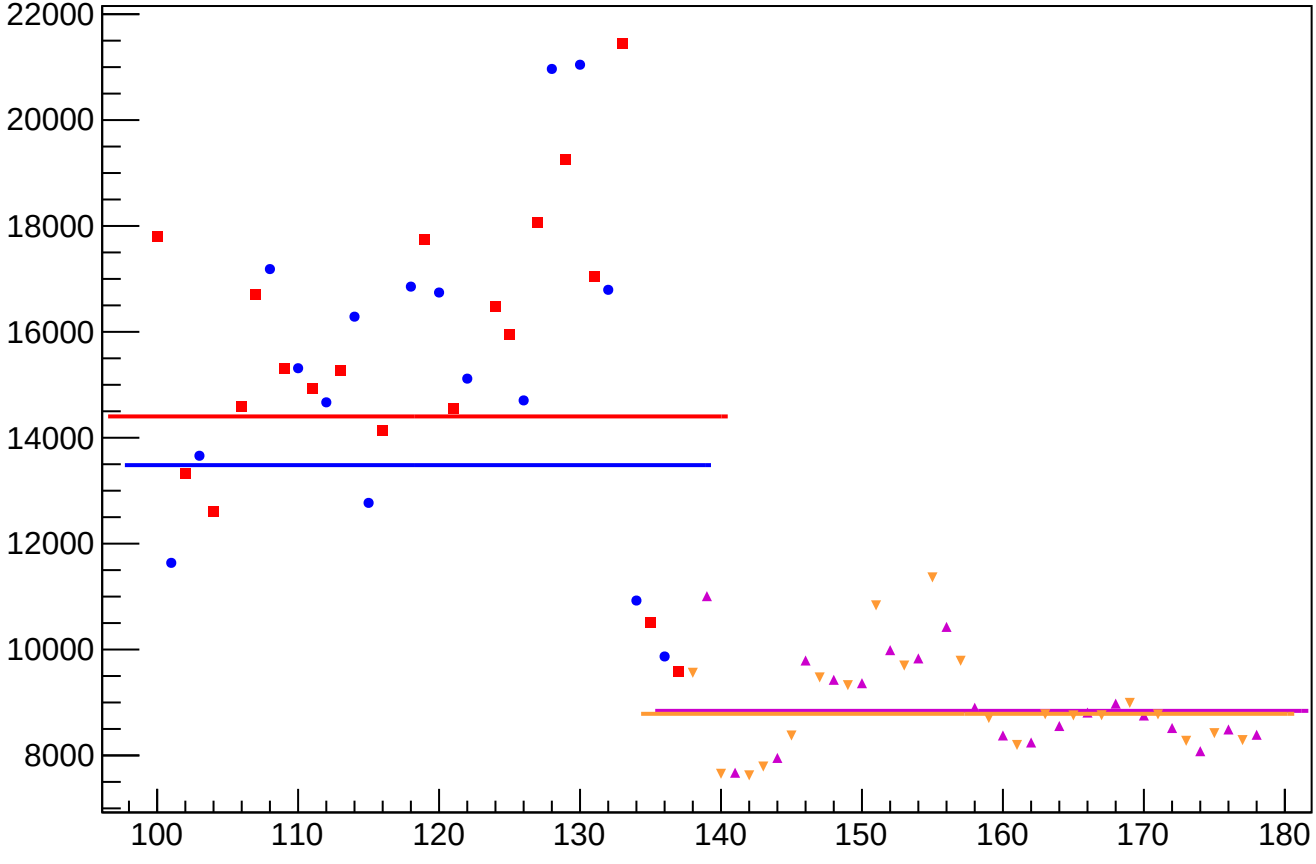
Right: 0.053+/-3.731 χ^2/NDF: 43.9/34

In: 0.313+/-2.025 χ^2/NDF:50.2/35

Out: -7.148+/-2.010 χ^2/NDF:85.8/39

All: -3.445+/-1.427 χ^2/NDF: 142.9/75

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: 8841.734+/-1.556 χ^2/NDF:275569.7/19

Left: 8813.450+/-1.092 χ^2/NDF: 587972.1/40

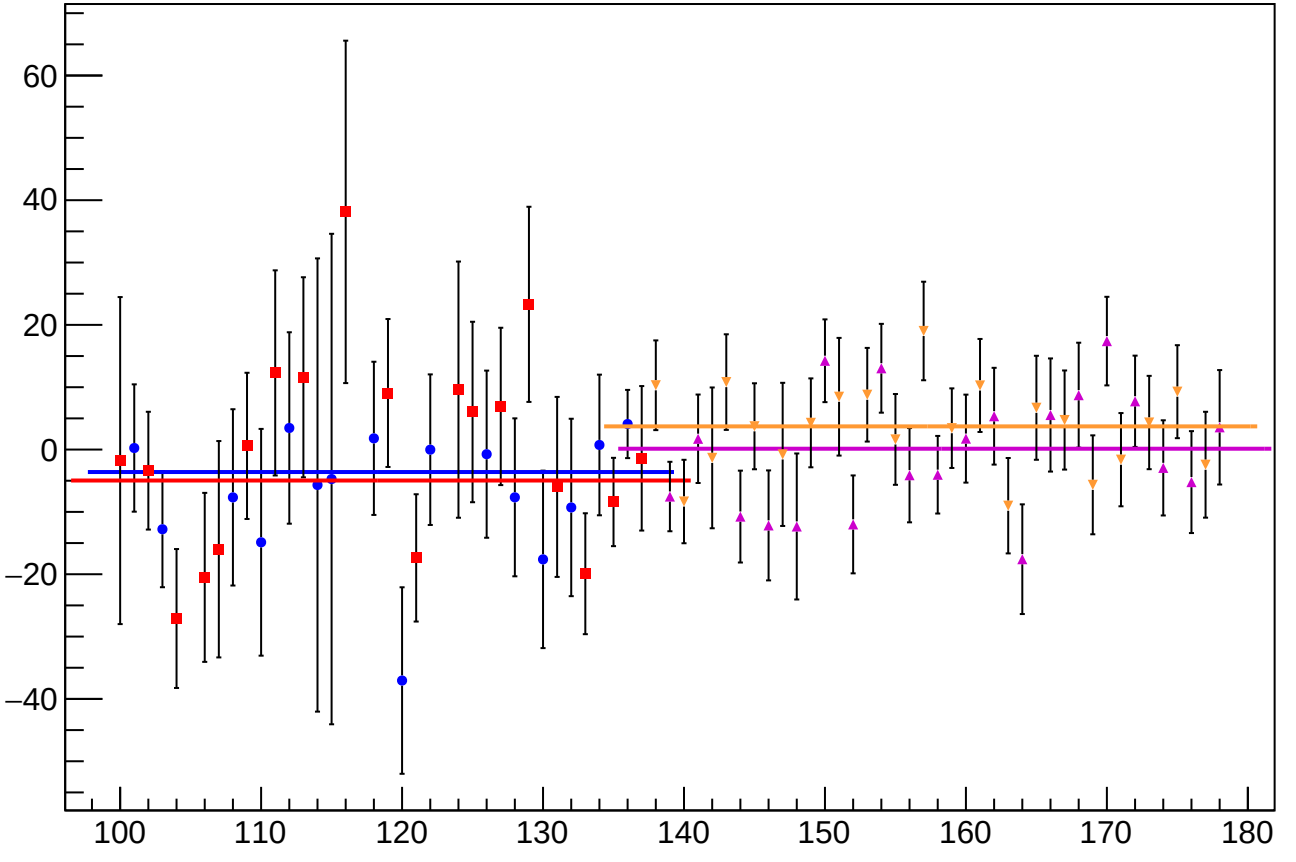
Right: 13925.139+/-2.638 χ^2/NDF: 1326477.7/34

In: 9551.661+/-1.432 χ^2/NDF:2380242.8/35

Out: 9570.201+/-1.422 χ^2/NDF:2739256.2/39

All: 9560.998+/-1.009 χ^2/NDF: 5119583.5/75

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: 0.134+/-1.688 χ^2/NDF:31.8/19

Left: 1.928+/-1.193 χ^2/NDF: 50.6/40

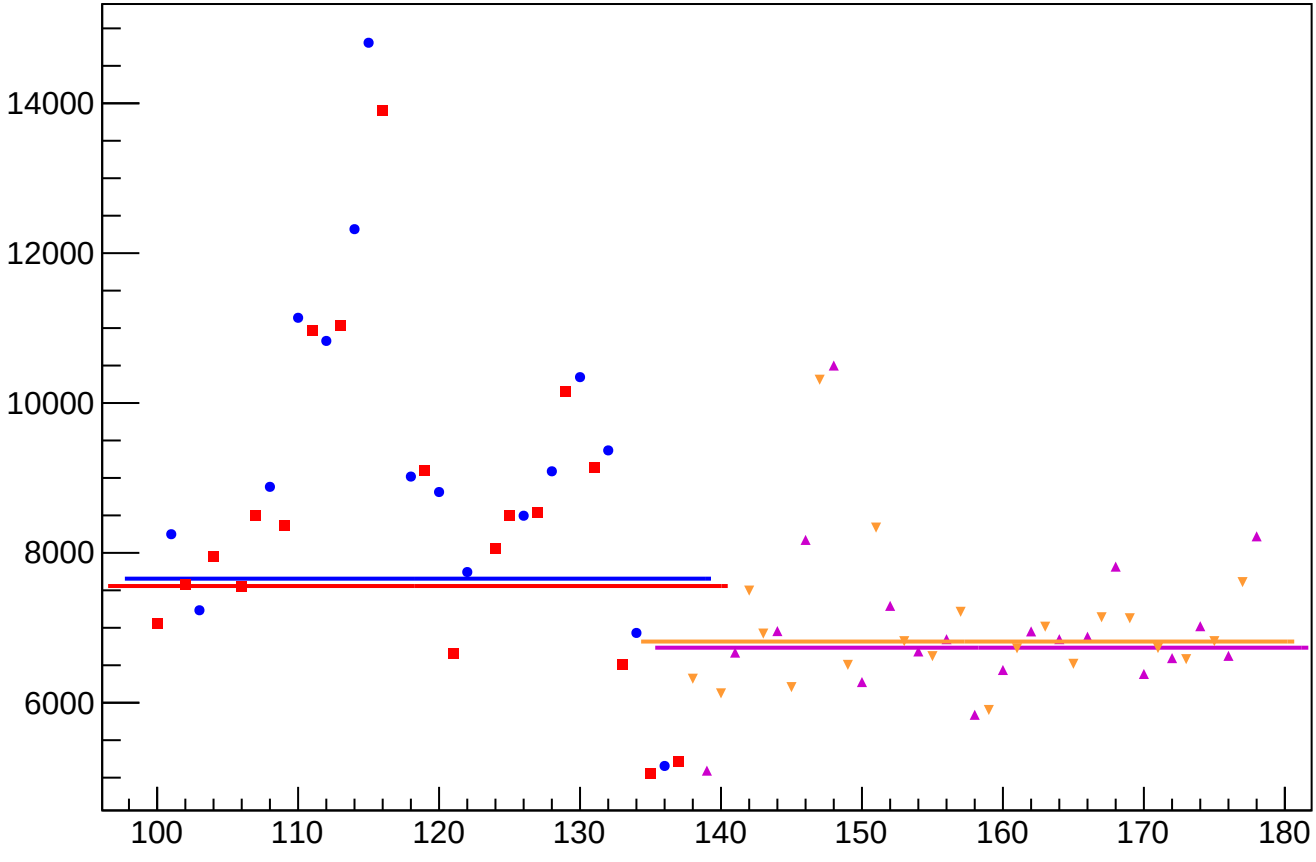
Right: -4.305+/-2.048 χ^2/NDF: 32.0/34

In: -0.794+/-1.464 χ^2/NDF:43.5/35

Out: 1.473+/-1.452 χ^2/NDF:44.8/39

All: 0.349+/-1.031 χ^2/NDF: 89.5/75

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: 6734.449+/-1.194 χ^2/NDF:597347.2/19

Left: 6775.502+/-0.844 χ^2/NDF: 972398.4/40

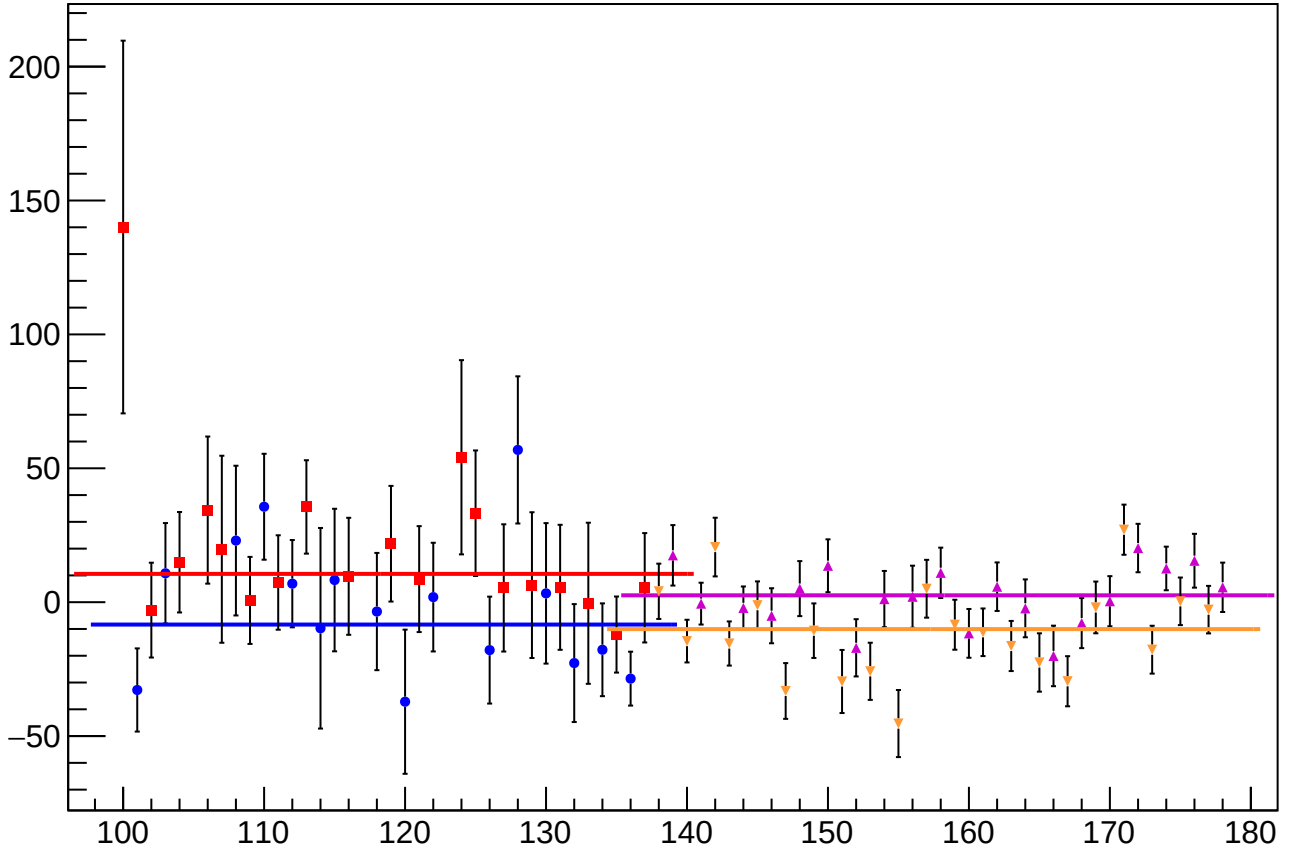
Right: 7605.240+/-1.448 χ^2/NDF: 1690781.9/34

In: 6962.930+/-1.035 χ^2/NDF:1624852.1/35

Out: 7008.016+/-1.027 χ^2/NDF:1282431.2/39

All: 6985.662+/-0.729 χ^2/NDF: 2908239.6/75

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: 2.565+/-2.141 χ^2/NDF:23.4/19

Left: -3.857+/-1.501 χ^2/NDF: 97.6/40

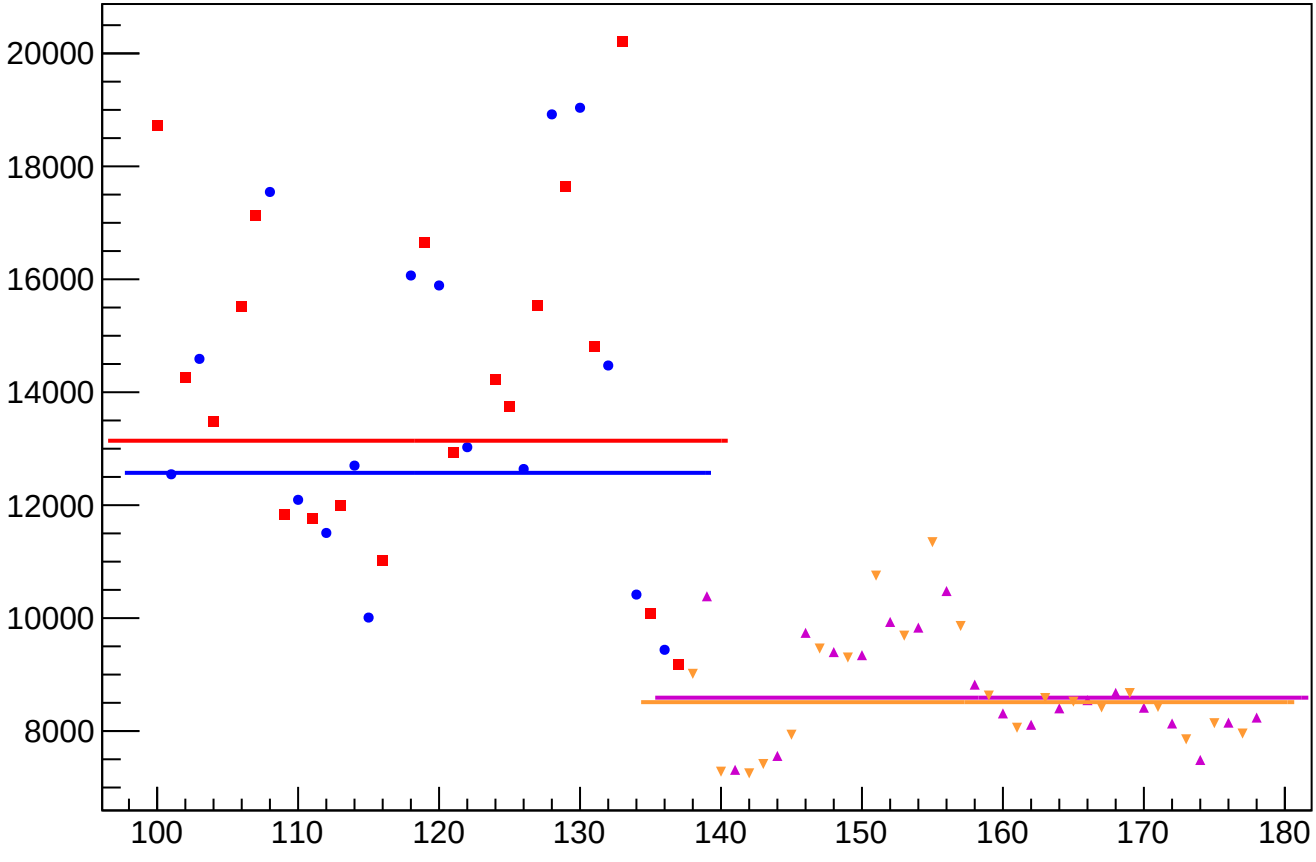
Right: 0.922+/-3.438 χ^2/NDF: 43.7/34

In: 0.761+/-1.957 χ^2/NDF:51.0/35

Out: -6.855+/-1.933 χ^2/NDF:84.3/39

All: -3.092+/-1.375 χ^2/NDF: 143.0/75

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: 8591.090+/-1.514 χ^2/NDF:357450.7/19

Left: 8550.714+/-1.061 χ^2/NDF: 769169.5/40

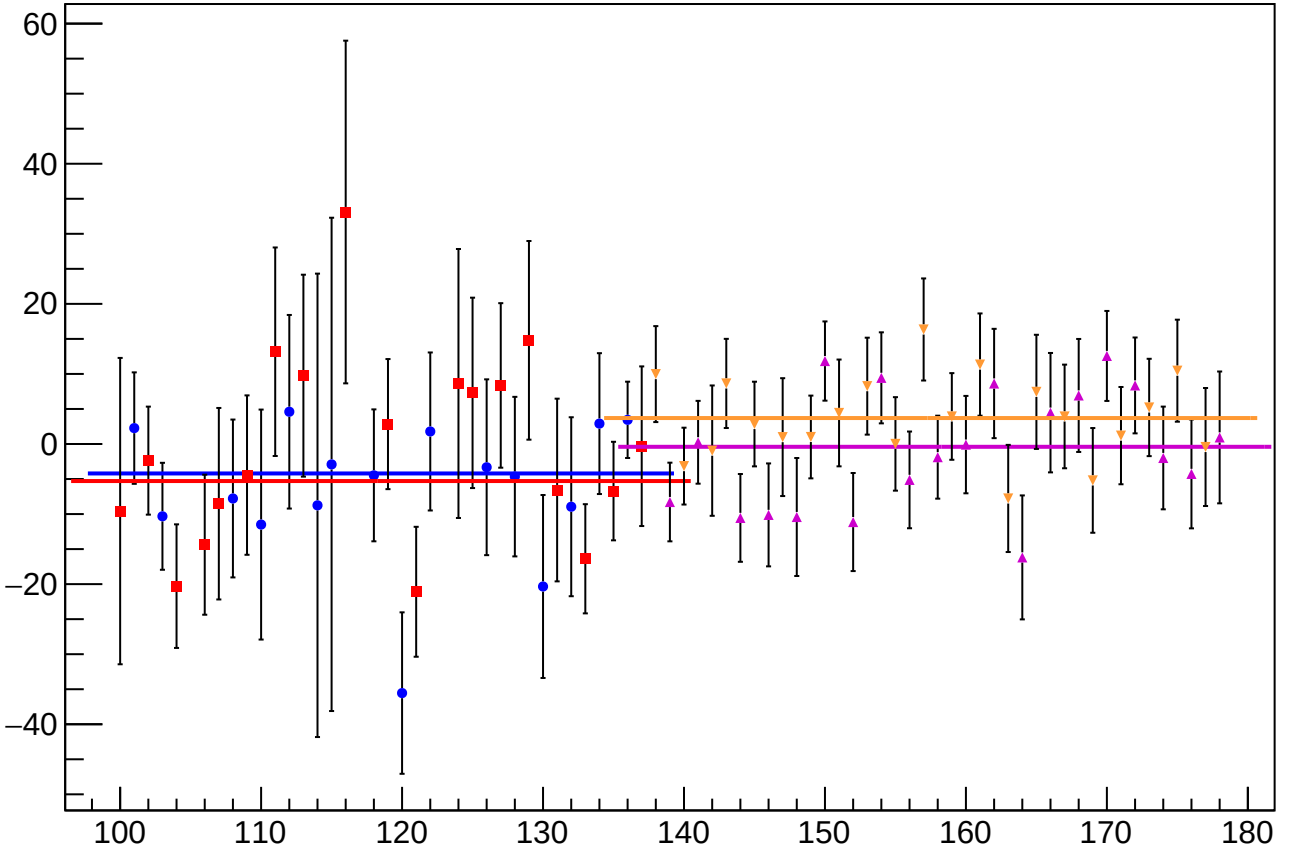
Right: 12851.222+/-2.431 χ^2/NDF: 1213428.5/34

In: 9248.836+/-1.383 χ^2/NDF:2164667.5/35

Out: 9229.362+/-1.367 χ^2/NDF:2446886.4/39

All: 9238.984+/-0.972 χ^2/NDF: 4611654.1/75

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: -0.400+/-1.553 χ^2/NDF:29.4/19

Left: 1.685+/-1.089 χ^2/NDF: 46.5/40

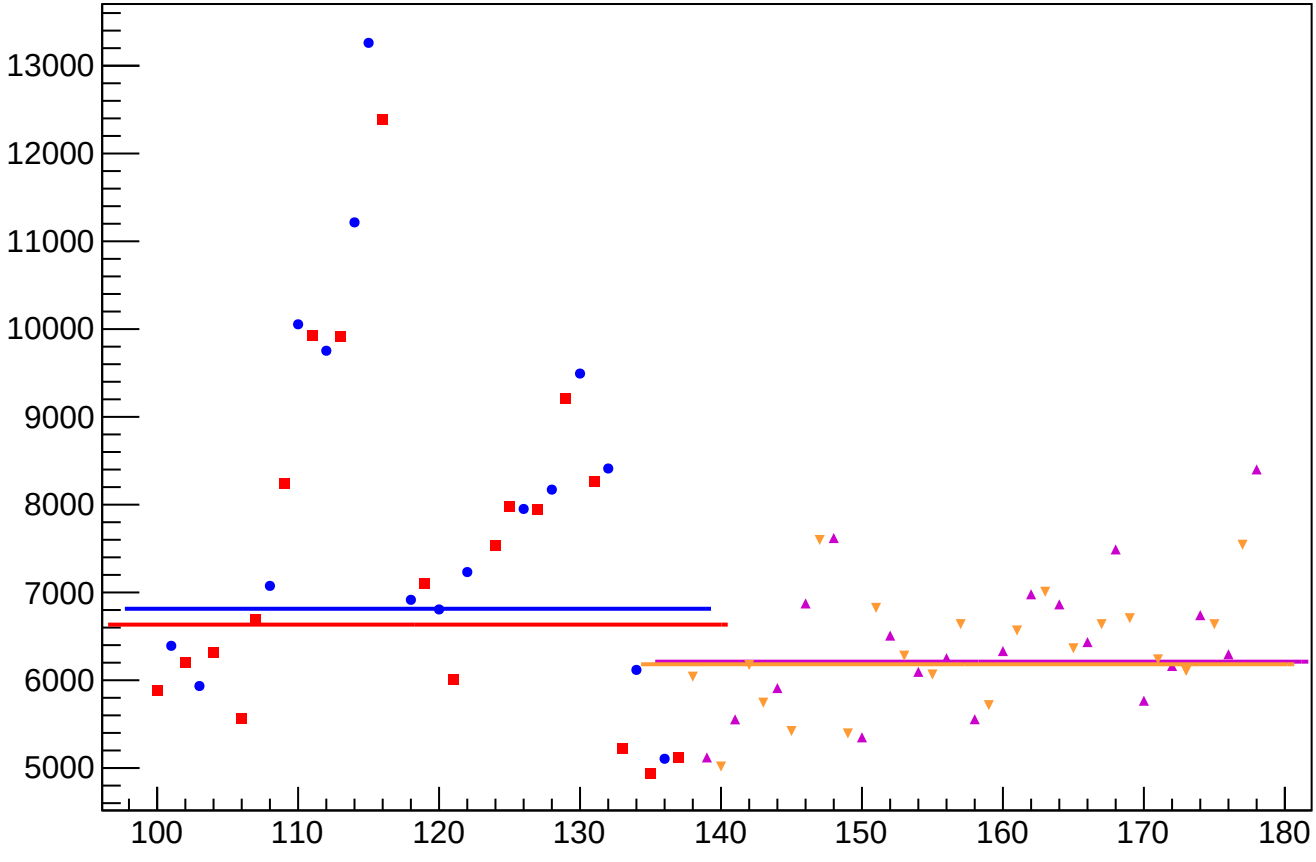
Right: -4.767+/-1.803 χ^2/NDF: 33.7/34

In: -1.400+/-1.333 χ^2/NDF:44.8/35

Out: 1.261+/-1.304 χ^2/NDF:42.8/39

All: -0.040+/-0.932 χ^2/NDF: 89.6/75

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: 6211.603+/-1.098 χ^2/NDF:463632.1/19

Left: 6196.555+/-0.770 χ^2/NDF: 830839.3/40

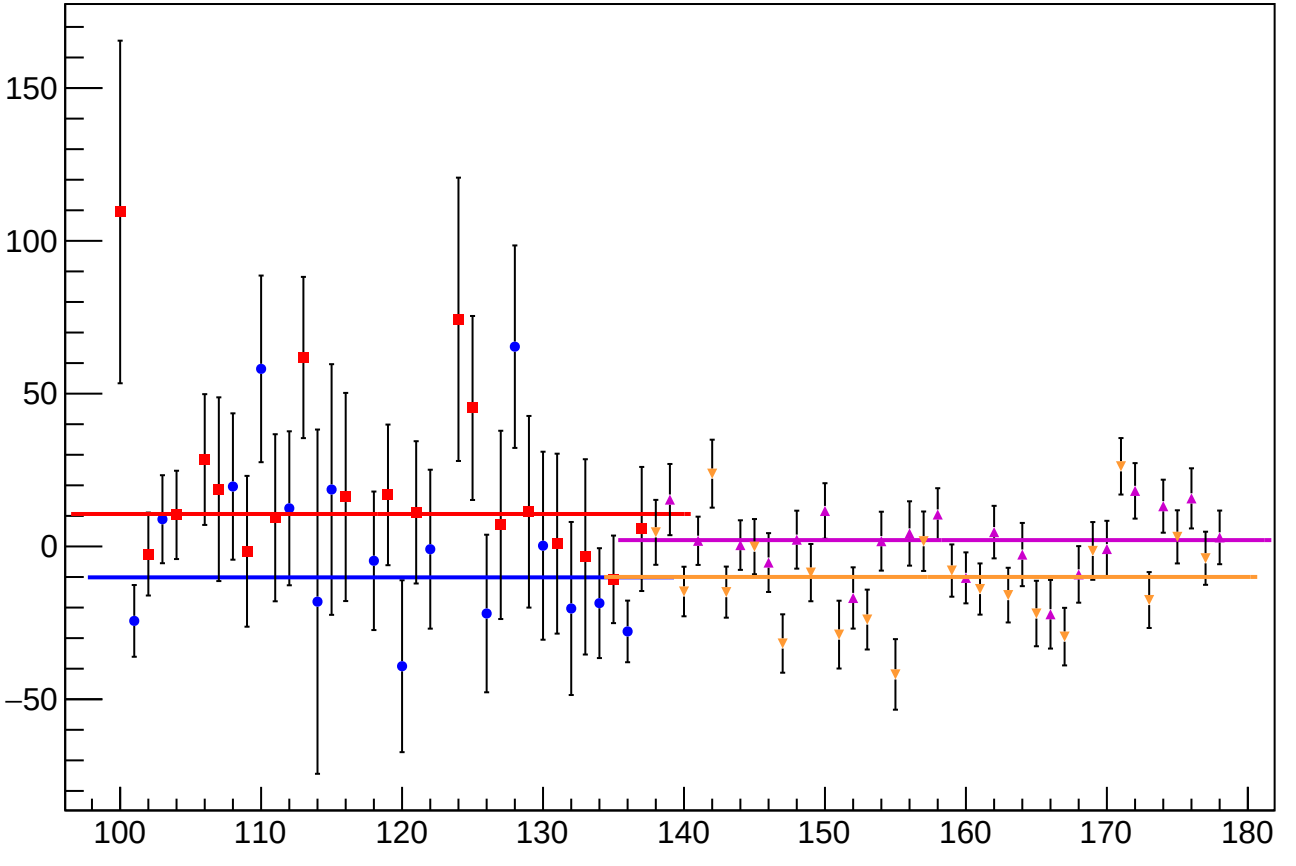
Right: 6720.509+/-1.275 χ^2/NDF: 1442449.8/34

In: 6370.077+/-0.943 χ^2/NDF:1216909.0/35

Out: 6304.714+/-0.922 χ^2/NDF:1177661.9/39

All: 6336.671+/-0.659 χ^2/NDF: 2397027.1/75

diff_bpm1X_mean vs Slug, Sign Corrected



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: 2.076+/-2.071 χ^2/NDF:23.0/19

Left: -4.029+/-1.455 χ^2/NDF: 98.3/40

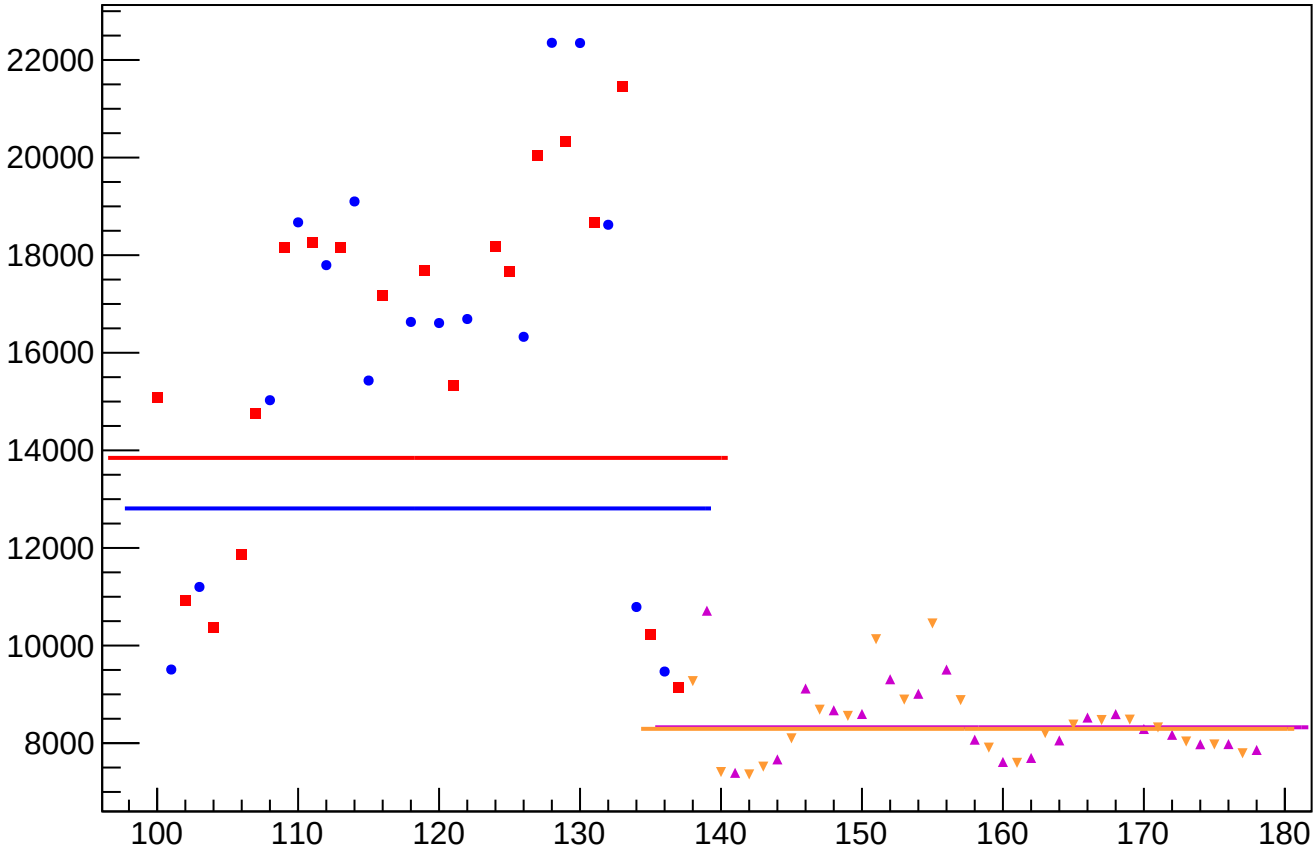
Right: -0.267+/-3.636 χ^2/NDF: 44.1/34

In: 0.302+/-1.914 χ^2/NDF:49.3/35

Out: -7.289+/-1.906 χ^2/NDF:86.1/39

All: -3.510+/-1.351 χ^2/NDF: 143.3/75

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: 8324.758+/-1.464 χ^2/NDF:240485.5/19

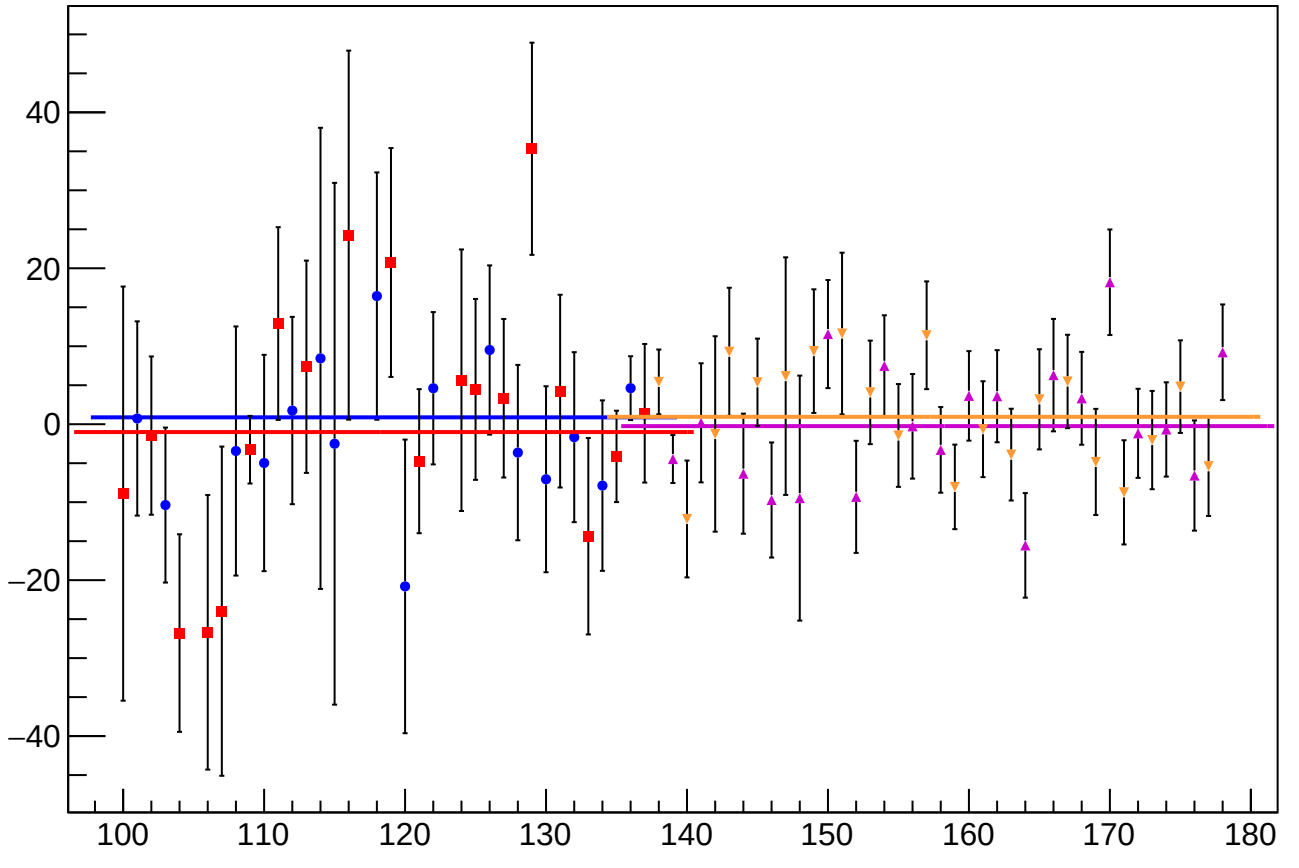
Left: 8308.786+/-1.029 χ^2/NDF: 488988.6/40

Right: 13301.707+/-2.571 χ^2/NDF: 2385270.2/34

In: 8977.640+/-1.354 χ^2/NDF:2854411.4/35

Out: 9017.573+/-1.348 χ^2/NDF:3270401.5/39

All: 8997.694+/-0.955 χ^2/NDF: 6125250.0/75



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: -0.246+/-1.365 χ^2/NDF:28.6/19

Left: 0.322+/-0.988 χ^2/NDF: 48.5/40

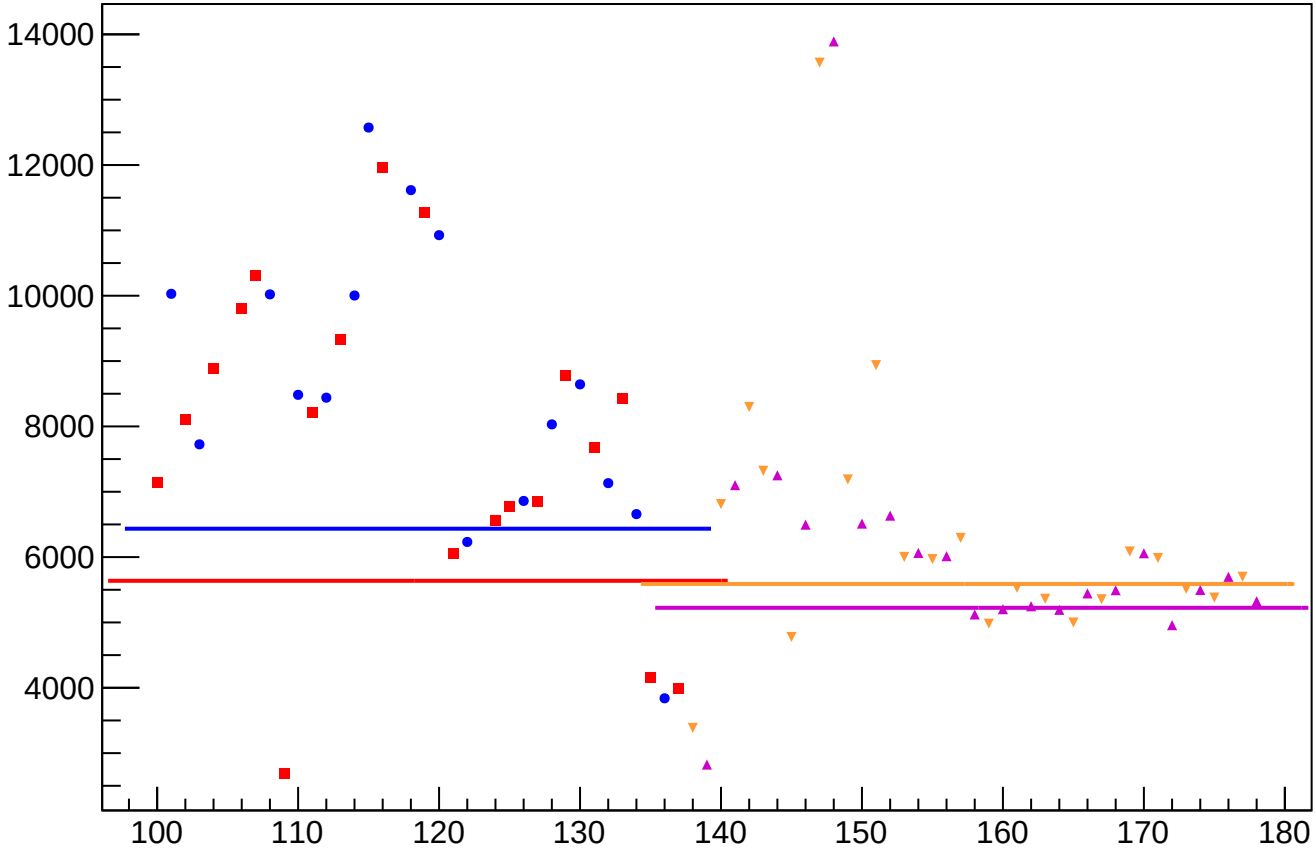
Right: -0.159+/-1.718 χ^2/NDF: 29.4/34

In: 0.003+/-1.205 χ^2/NDF:35.6/35

Out: 0.406+/-1.217 χ^2/NDF:42.3/39

All: 0.202+/-0.856 χ^2/NDF: 78.0/75

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: 5223.912+/-0.965 χ^2/NDF:2409428.4/19

Left: 5397.759+/-0.698 χ^2/NDF: 4260255.9/40

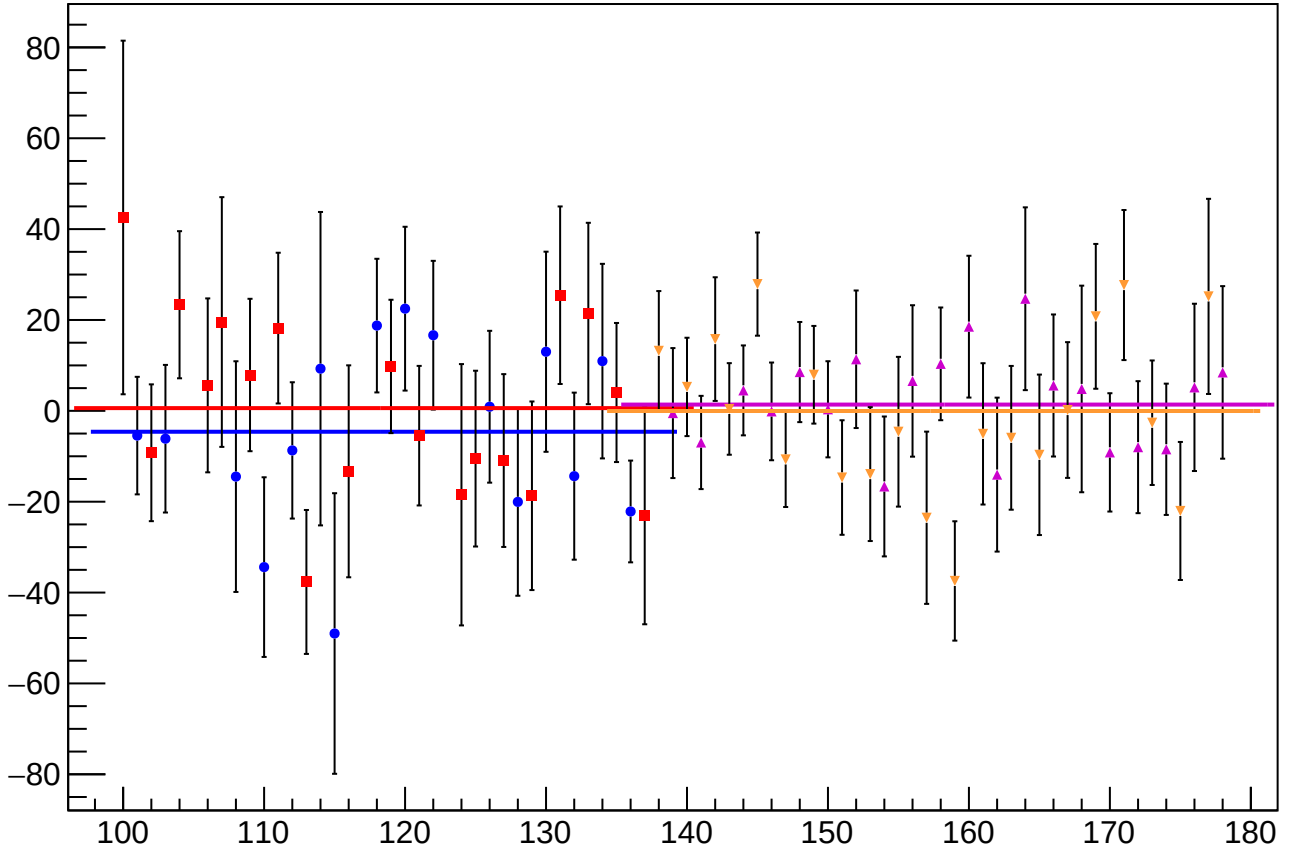
Right: 5994.862+/-1.215 χ^2/NDF: 4437091.5/34

In: 5490.907+/-0.852 χ^2/NDF:4507031.5/35

Out: 5602.216+/-0.861 χ^2/NDF:4363383.9/39

All: 5546.016+/-0.605 χ^2/NDF: 8878863.7/75

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: 1.378+/-3.067 χ^2/NDF:8.8/19

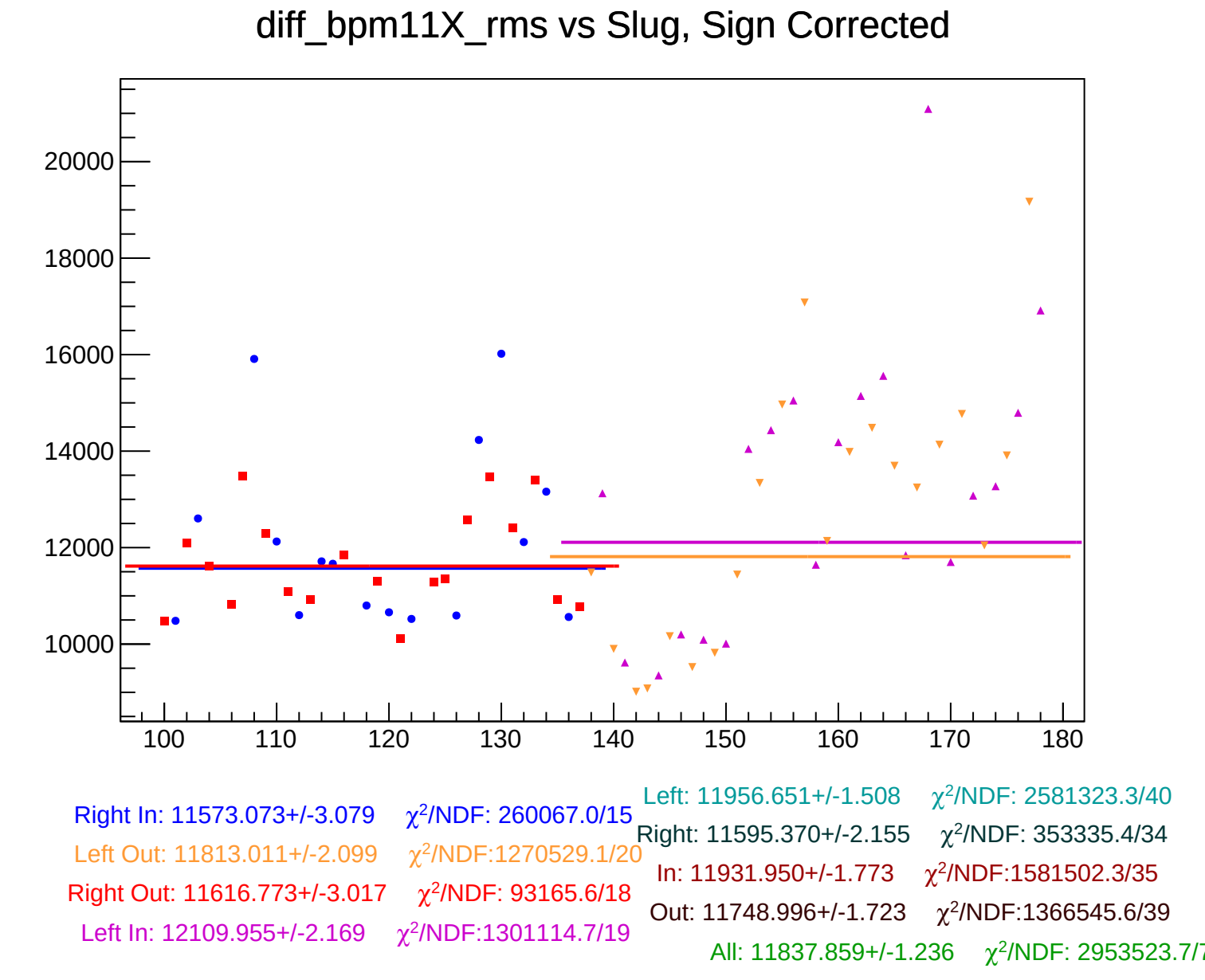
Left: 0.648+/-2.133 χ^2/NDF: 39.7/40

Right: -1.948+/-3.048 χ^2/NDF: 34.4/34

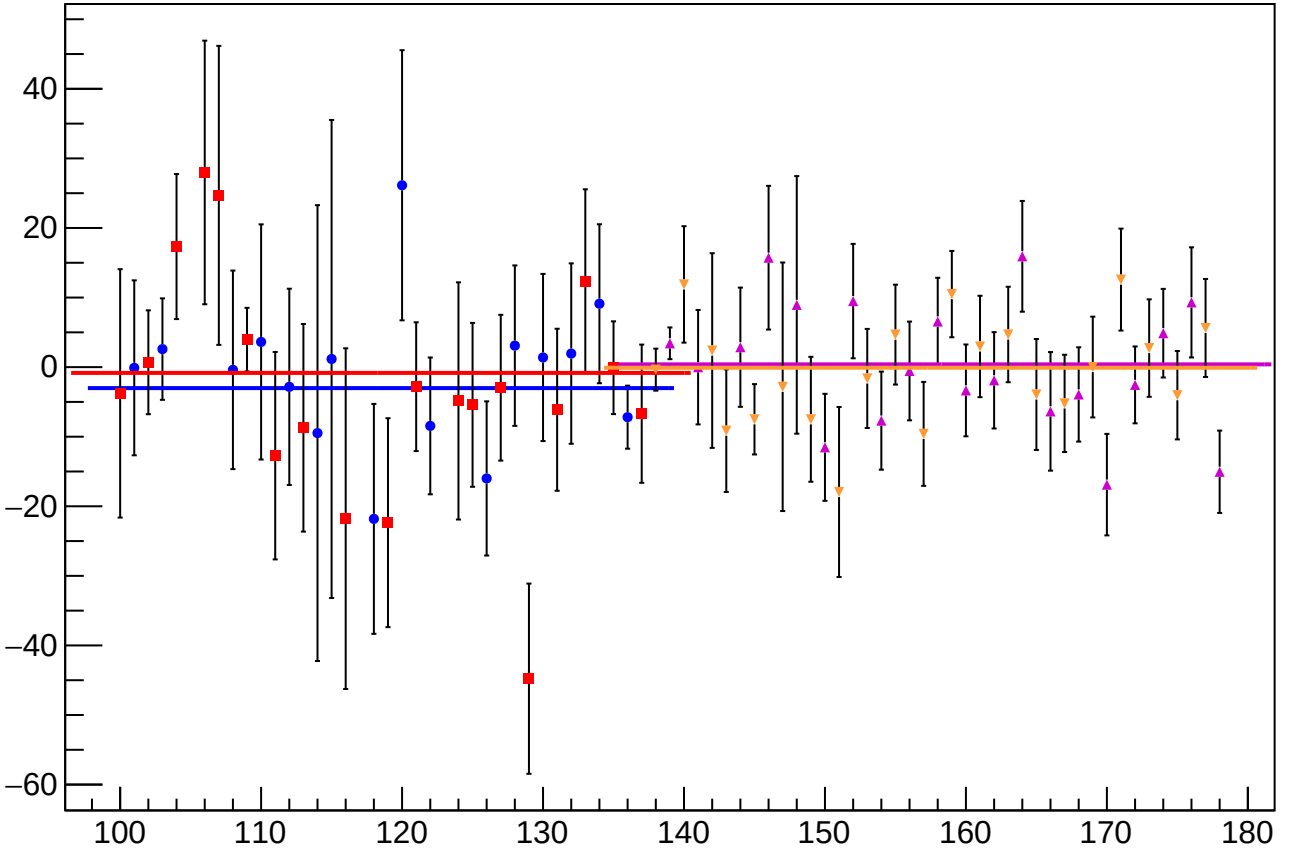
In: -0.604+/-2.507 χ^2/NDF:25.9/35

Out: 0.172+/-2.437 χ^2/NDF:48.7/39

All: -0.205+/-1.748 χ^2/NDF: 74.6/75


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: 12109.955+/-2.169 χ²/NDF:1301114.7/19
Left: 11956.651+/-1.508 χ²/NDF: 2581323.3/40
Right: 11595.370+/-2.155 χ²/NDF: 353335.4/34
In: 11931.950+/-1.773 χ²/NDF:1581502.3/35
Out: 11748.996+/-1.723 χ²/NDF:1366545.6/39
All: 11837.859+/-1.236 χ²/NDF: 2953523.7/7

diff_bpm11Y_mean vs Slug, Sign Corrected



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: 0.398+/-1.353 χ^2/NDF:29.9/19

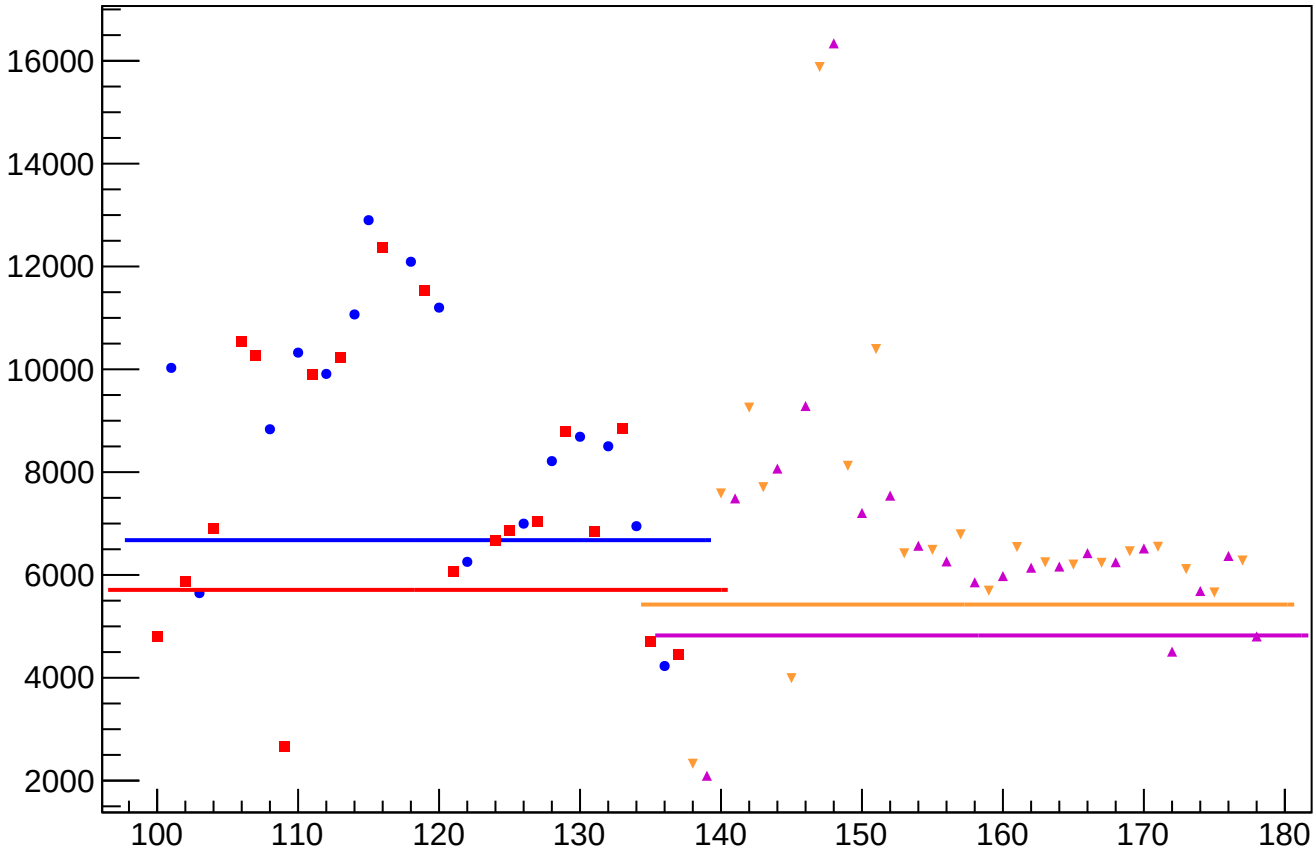
Left: 0.174+/-0.994 χ^2/NDF: 48.8/40

Right: -1.791+/-1.760 χ^2/NDF: 32.9/34

In: -0.307+/-1.206 χ^2/NDF:39.9/35

Out: -0.296+/-1.244 χ^2/NDF:42.7/39

All: -0.301+/-0.866 χ^2/NDF: 82.6/75



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 5424.598+/-1.036 χ^2/NDF:4296283.4/20

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

Left In: 4823.500+/-0.957 χ^2/NDF:5755085.5/19

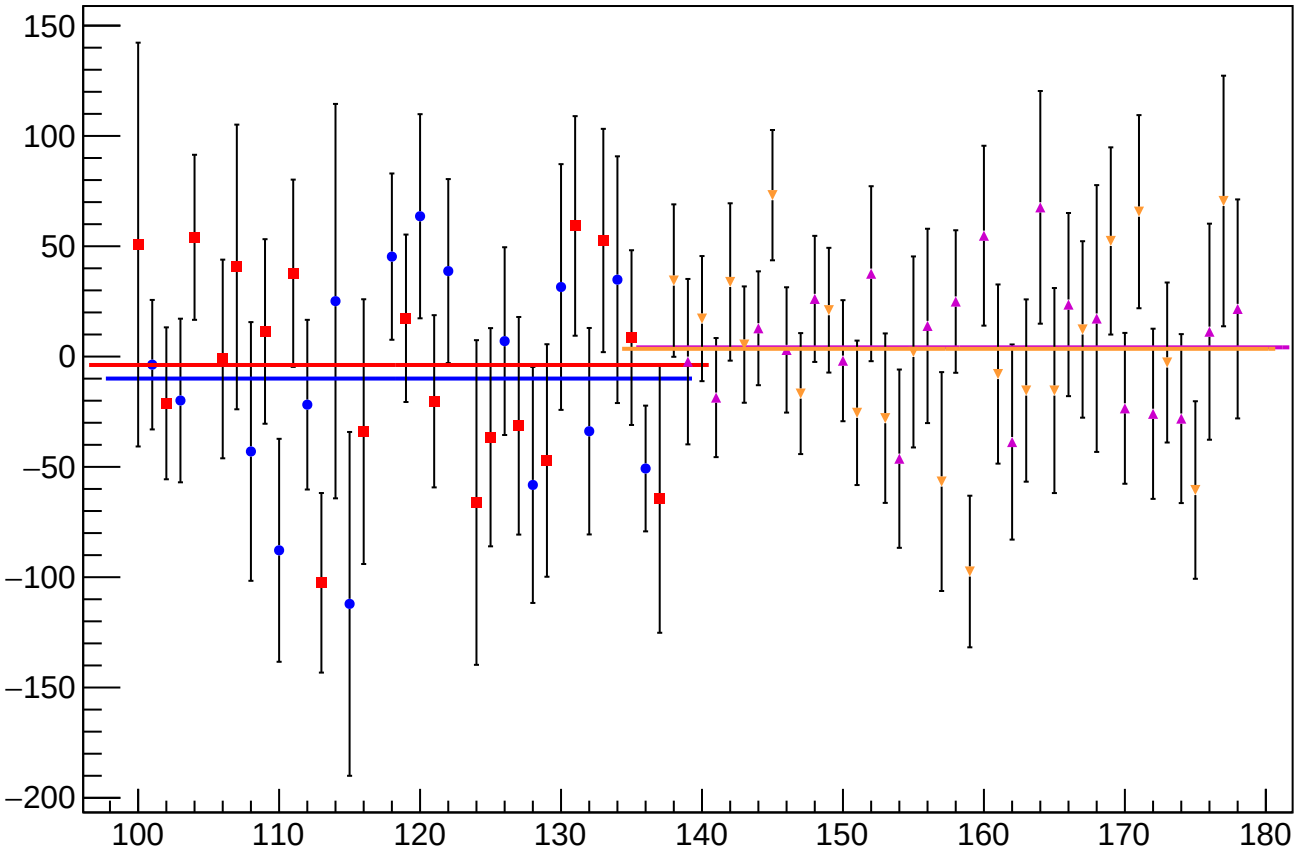
Left: 5100.233+/-0.703 χ^2/NDF: 10233014.2/40

Right: 6135.167+/-1.245 χ^2/NDF: 4022672.5/34

In: 5205.985+/-0.853 χ^2/NDF:8102066.7/35

Out: 5504.359+/-0.879 χ^2/NDF:6618517.1/39

All: 5350.552+/-0.612 χ^2/NDF: 14779935.1/



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: 4.179+/-8.042 χ^2/NDF:10.5/19

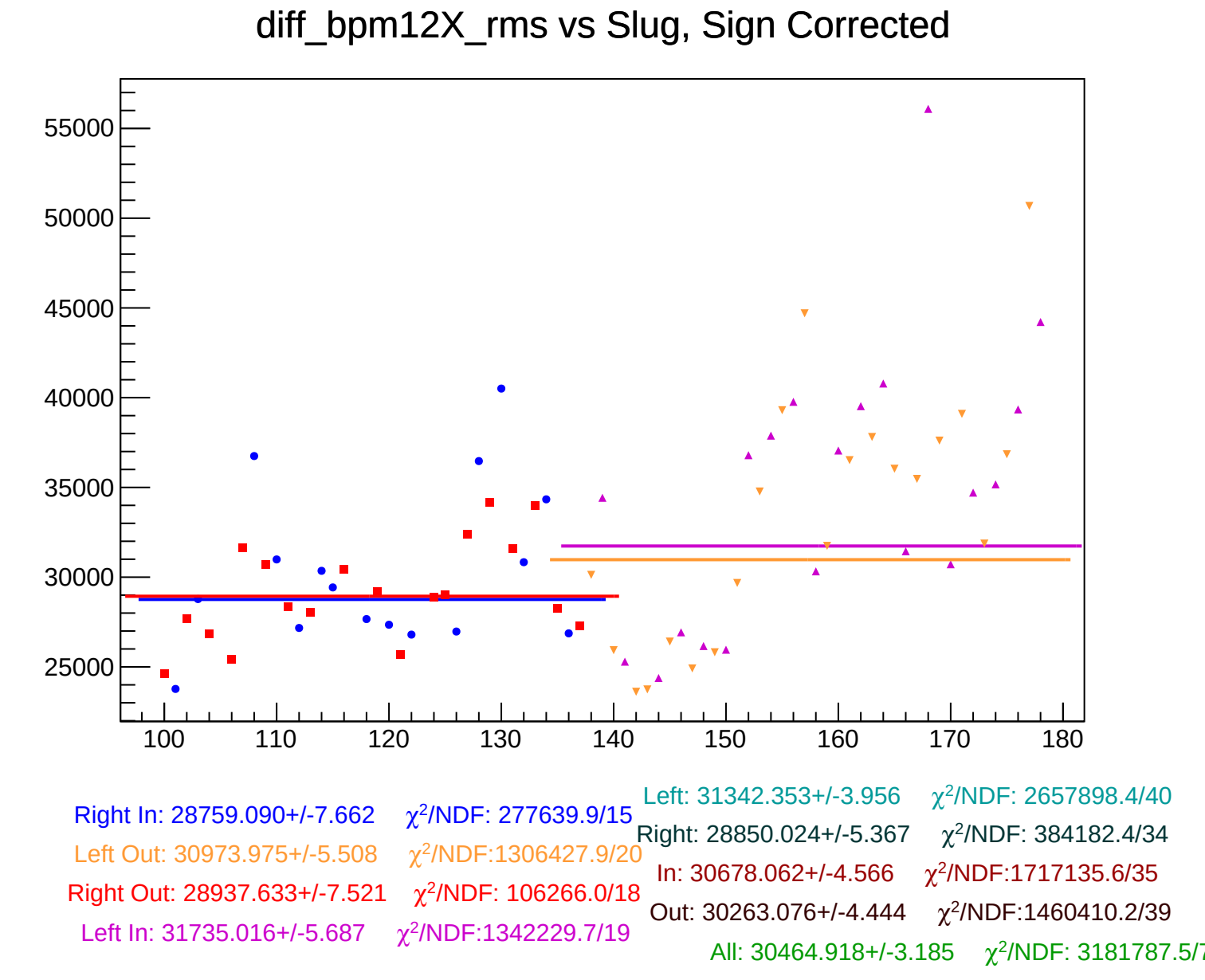
Left: 3.838+/-5.595 χ^2/NDF: 38.2/40

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

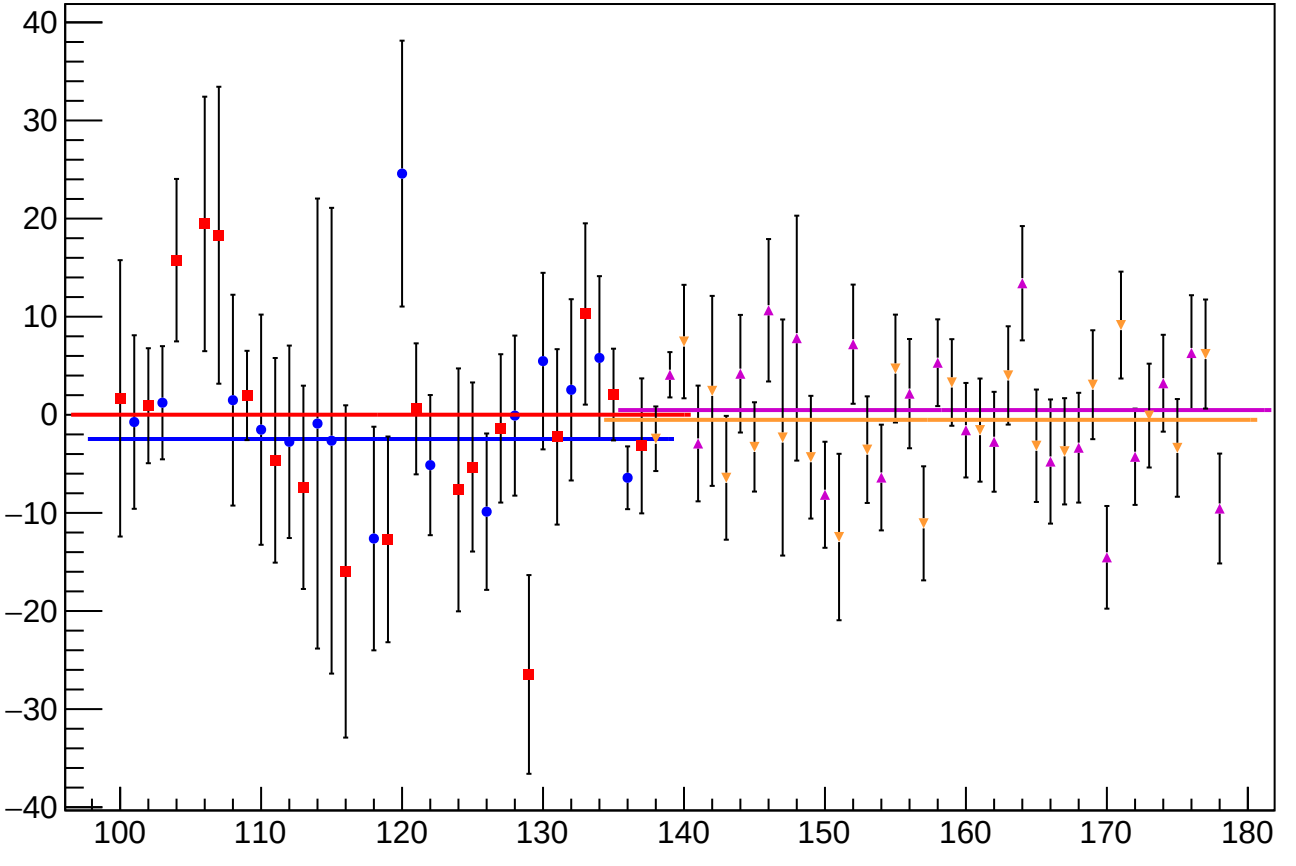
In: -0.846+/-6.458 χ^2/NDF:26.9/35

Out: 0.958+/-6.284 χ^2/NDF:45.2/39

All: 0.081+/-4.504 χ^2/NDF: 72.2/75


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: 31735.016+/-5.687 χ²/NDF:1342229.7/19
Left: 31342.353+/-3.956 χ²/NDF: 2657898.4/40
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 30678.062+/-4.566 χ²/NDF:1717135.6/35
Out: 30263.076+/-4.444 χ²/NDF:1460410.2/39
All: 30464.918+/-3.185 χ²/NDF: 3181787.5/7

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: 0.481+/-1.120 χ^2/NDF:32.5/19

Left: 0.010+/-0.813 χ^2/NDF: 50.8/40

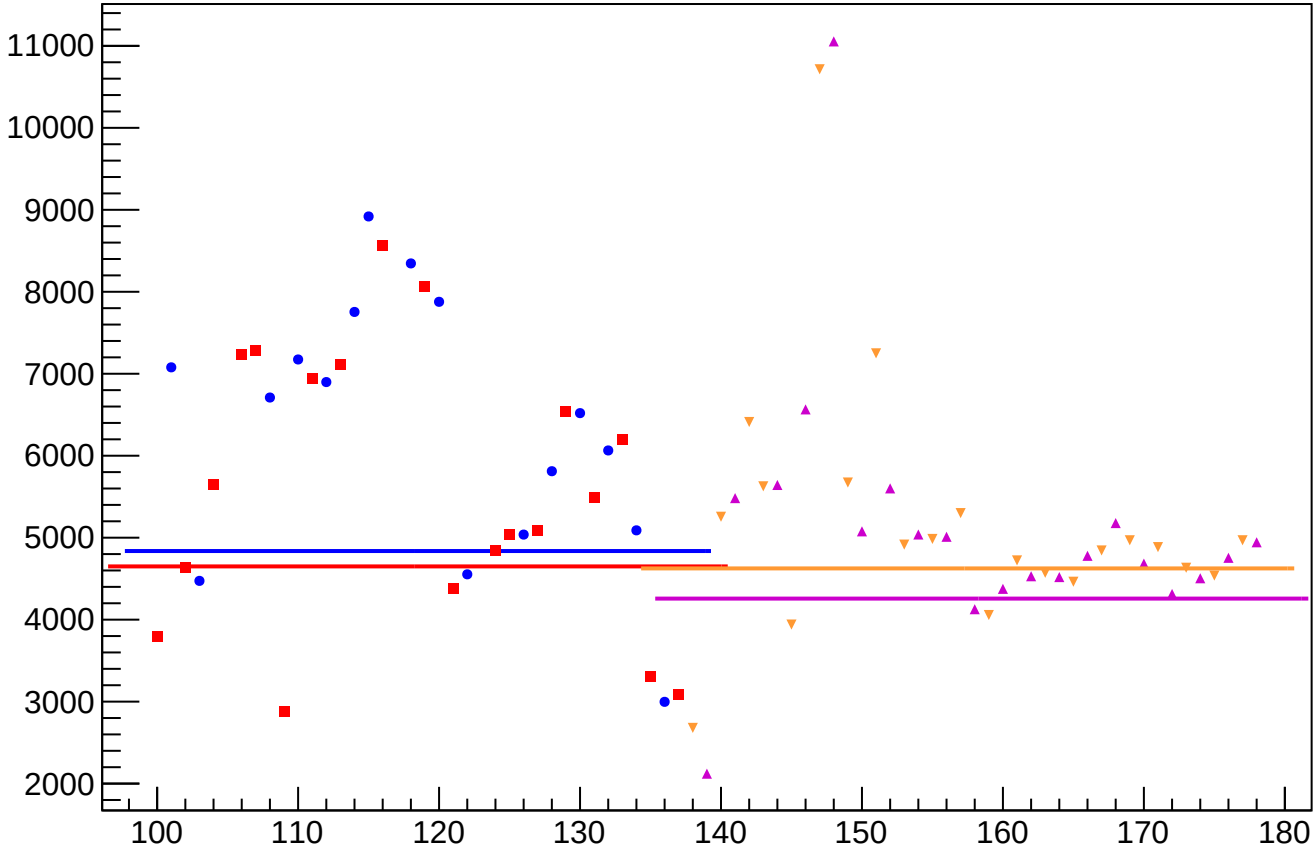
Right: -1.171+/-1.323 χ^2/NDF: 30.9/34

In: -0.270+/-0.967 χ^2/NDF:44.3/35

Out: -0.360+/-0.993 χ^2/NDF:38.0/39

All: -0.314+/-0.693 χ^2/NDF: 82.3/75

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: 4256.935+/-0.792 χ^2/NDF:3066800.2/19

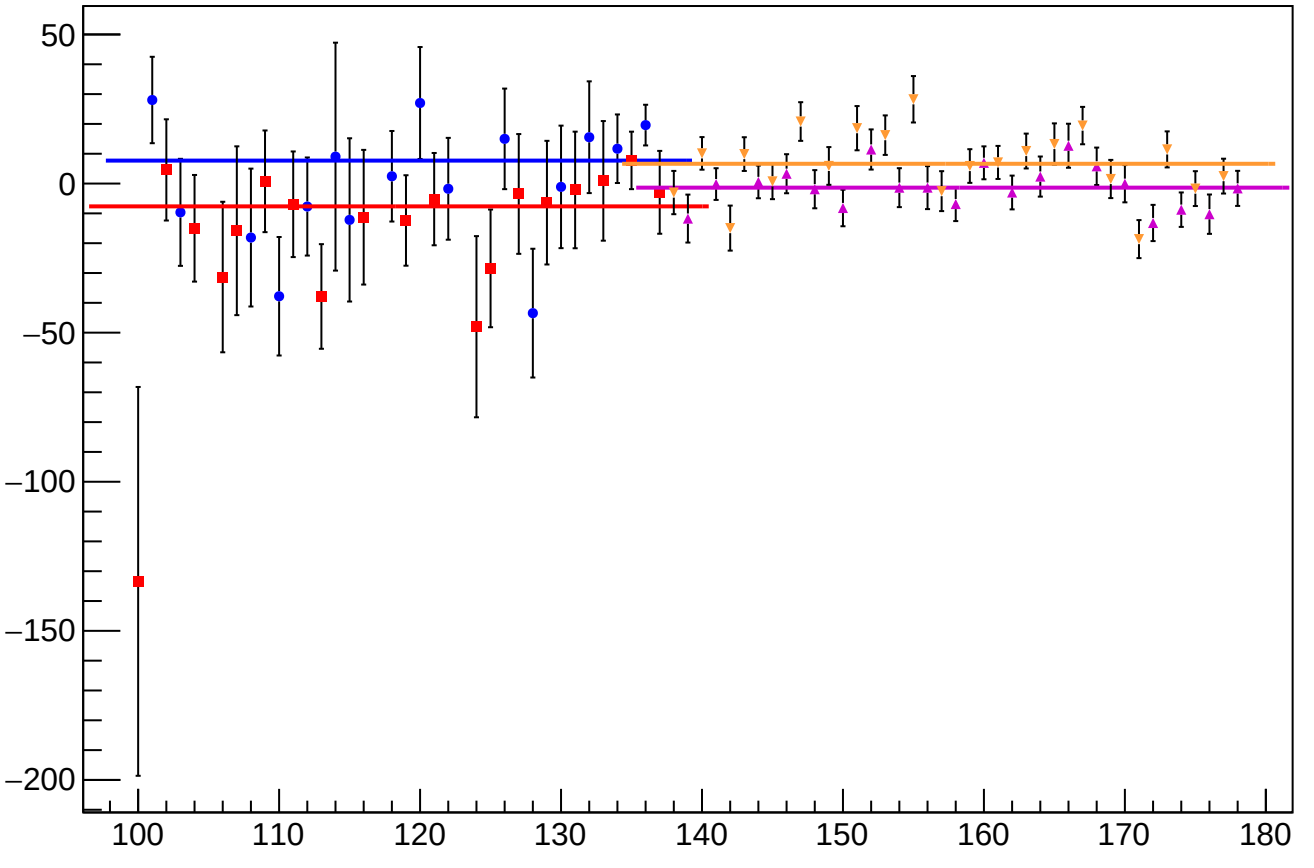
Left: 4431.191+/-0.575 χ^2/NDF: 4915034.4/40

Right: 4739.013+/-0.935 χ^2/NDF: 2992350.1/34

In: 4404.836+/-0.684 χ^2/NDF:4751288.5/35

Out: 4632.377+/-0.702 χ^2/NDF:3180807.3/39

All: 4515.643+/-0.490 χ^2/NDF: 7986005.5/75



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: -1.373+/-1.389 χ^2/NDF:23.0/19

Left: 2.683+/-0.976 χ^2/NDF: 95.7/40

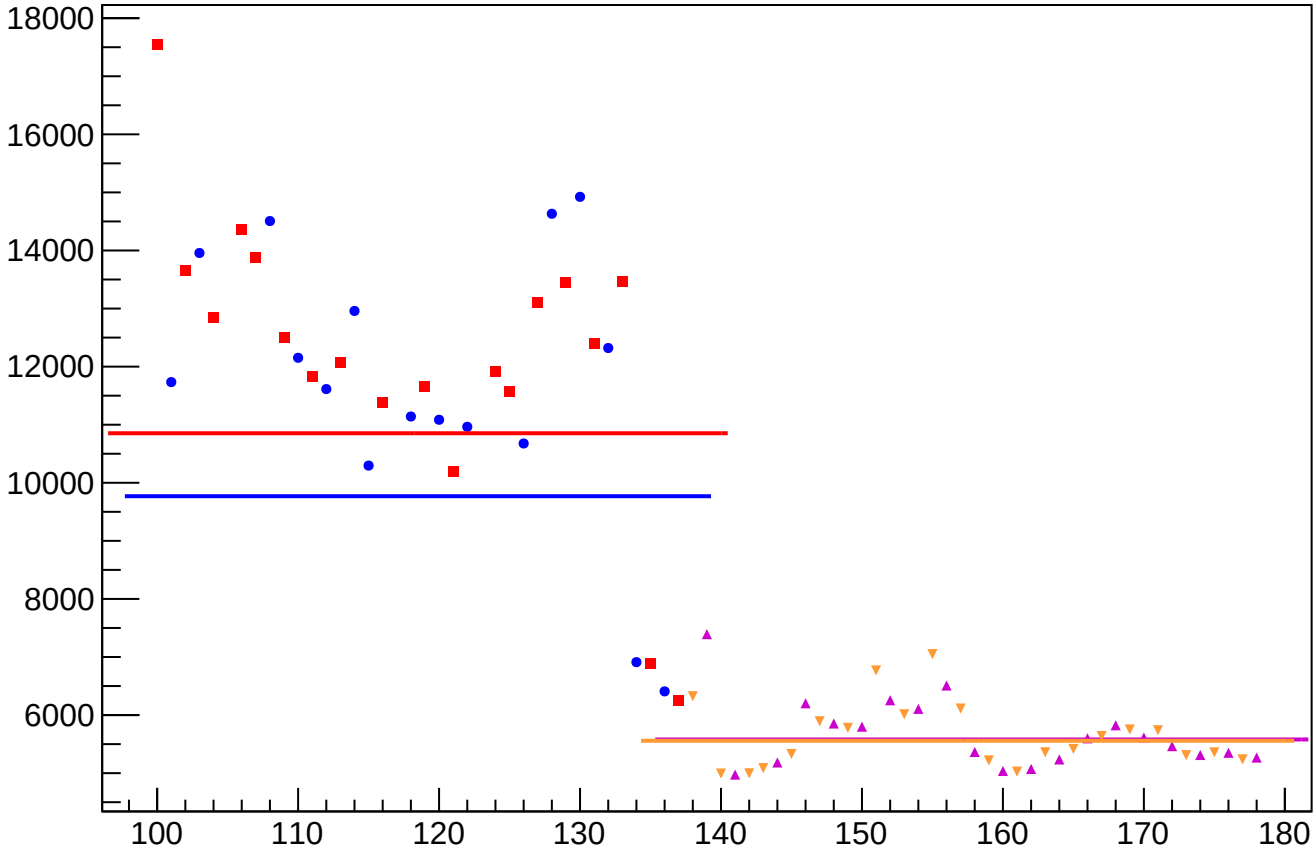
Right: 0.565+/-2.795 χ^2/NDF: 43.7/34

In: -0.313+/-1.305 χ^2/NDF:49.6/35

Out: 5.195+/-1.300 χ^2/NDF:81.4/39

All: 2.453+/-0.921 χ^2/NDF: 139.9/75

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: 5580.027+/-0.982 χ^2/NDF:288445.2/19

Left: 5568.877+/-0.690 χ^2/NDF: 562228.8/40

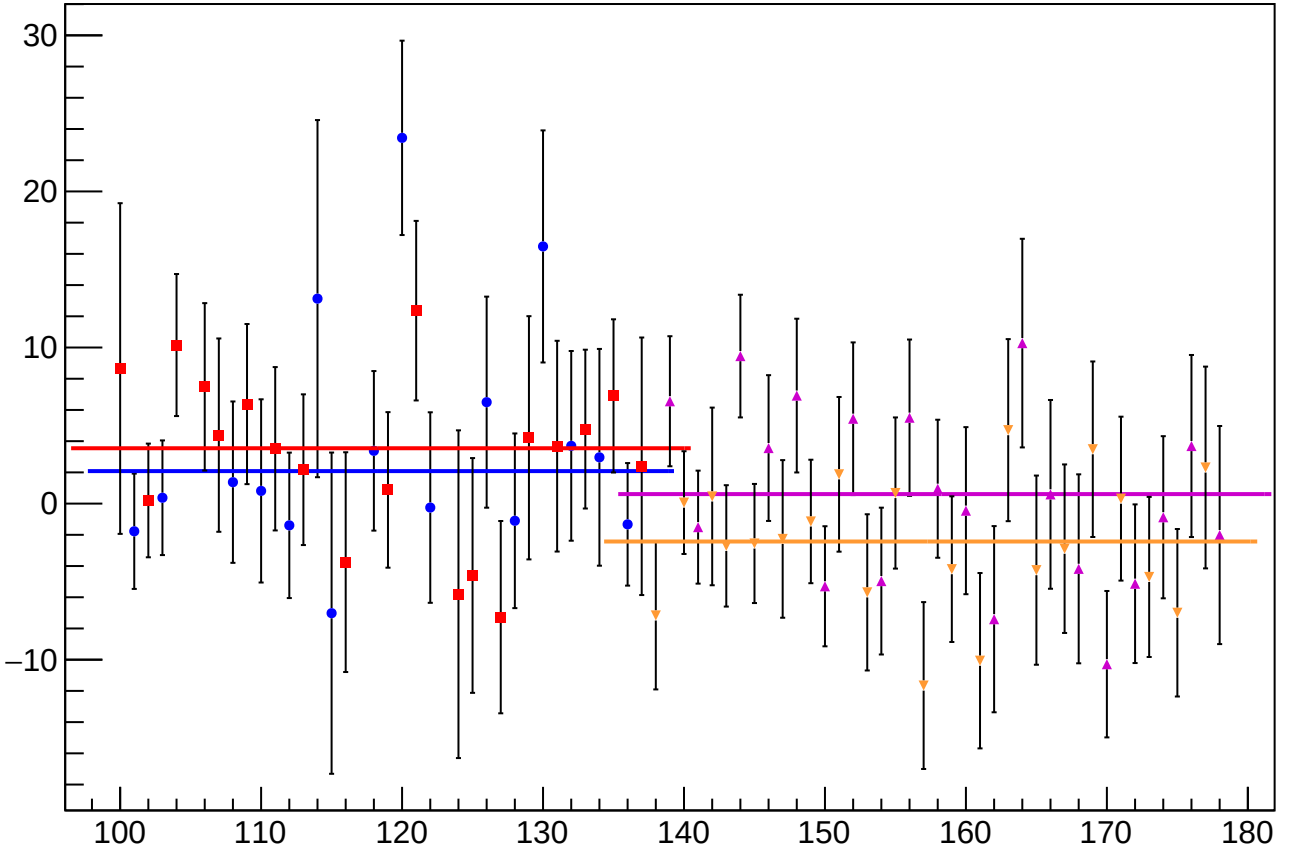
Right: 10272.667+/-1.976 χ^2/NDF: 2163082.8/34

In: 6069.261+/-0.923 χ^2/NDF:3626283.4/35

Out: 6090.393+/-0.919 χ^2/NDF:4149500.2/39

All: 6079.872+/-0.651 χ^2/NDF: 7776046.7/75

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: 0.609+/-1.089 χ^2/NDF:26.9/19

Left: -0.957+/-0.758 χ^2/NDF: 43.9/40

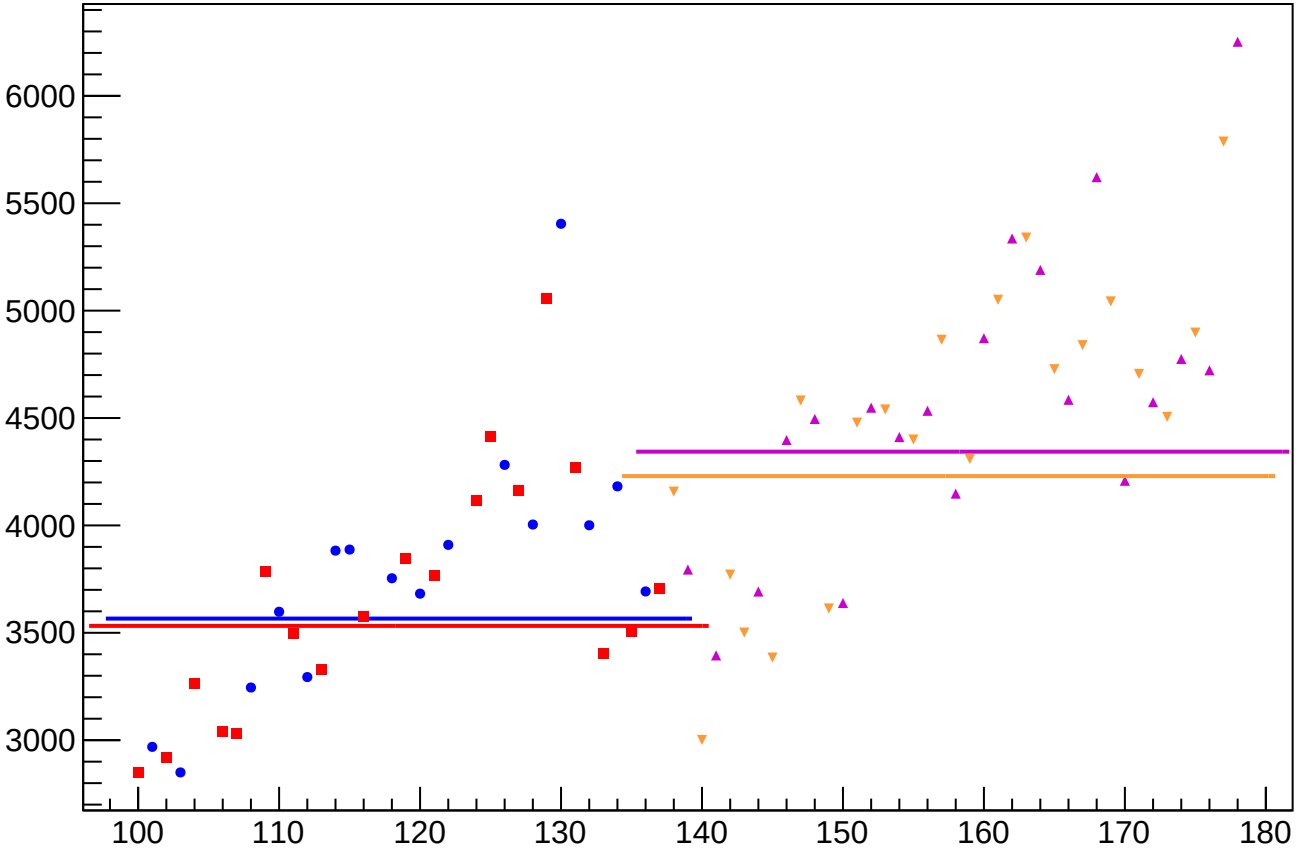
Right: 2.837+/-0.936 χ^2/NDF: 35.0/34

In: 1.192+/-0.847 χ^2/NDF:48.6/35

Out: -0.063+/-0.821 χ^2/NDF:39.1/39

All: 0.545+/-0.589 χ^2/NDF: 88.8/75

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: 4343.346+/-0.770 χ^2/NDF:683630.4/19

Left: 4284.741+/-0.536 χ^2/NDF: 1623051.5/40

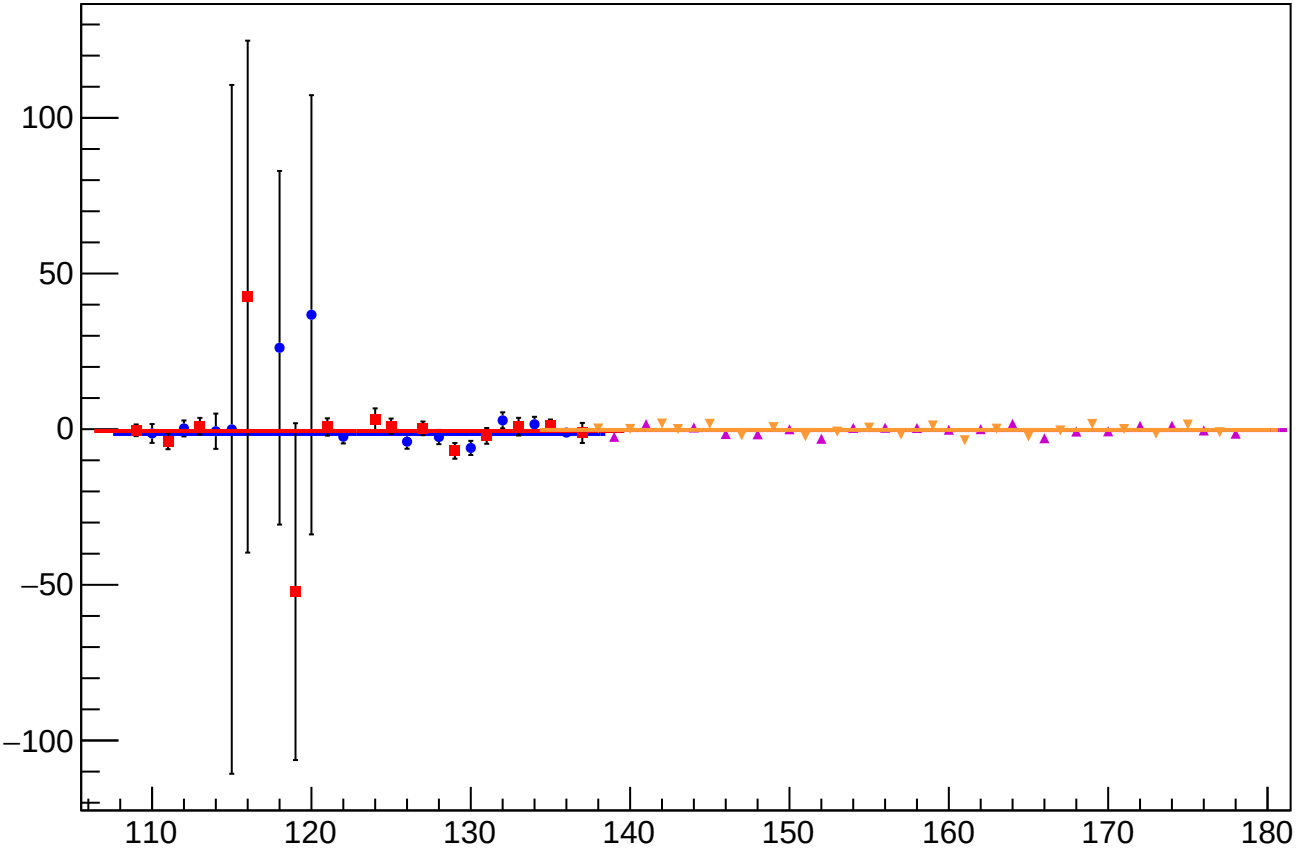
Right: 3548.642+/-0.662 χ^2/NDF: 620455.5/34

In: 4035.535+/-0.599 χ^2/NDF:1427864.6/35

Out: 3953.557+/-0.580 χ^2/NDF:1552486.1/39

All: 3993.266+/-0.417 χ^2/NDF: 2990019.2/75

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: -0.285+/-0.254 χ^2/NDF:28.2/19

Left: -0.261+/-0.178 χ^2/NDF: 61.4/40

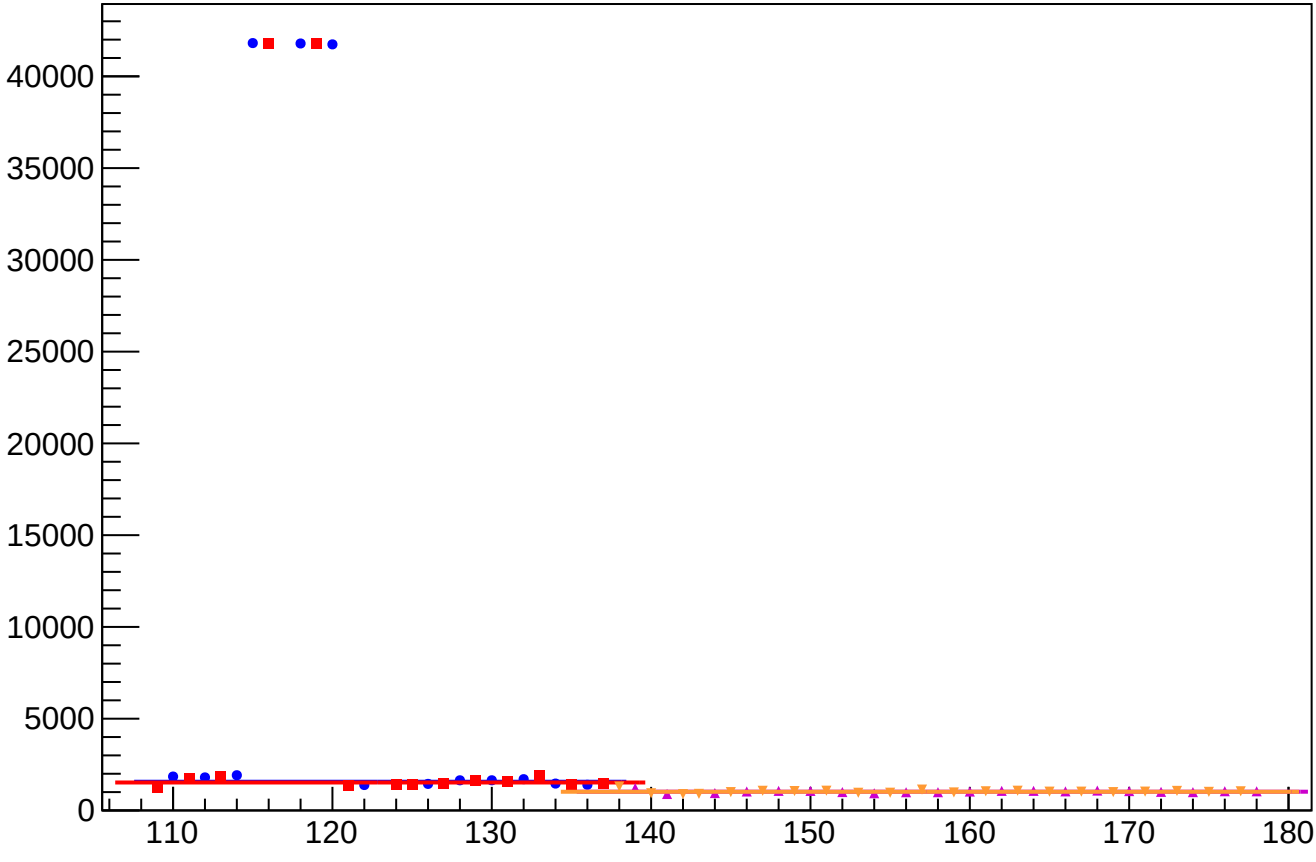
Right: -1.051+/-0.512 χ^2/NDF: 24.6/26

In: -0.419+/-0.240 χ^2/NDF:41.9/32

Out: -0.276+/-0.237 χ^2/NDF:46.1/34

All: -0.346+/-0.168 χ^2/NDF: 88.2/67

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: 1021.260+/-0.179 χ^2/NDF:126501.9/19

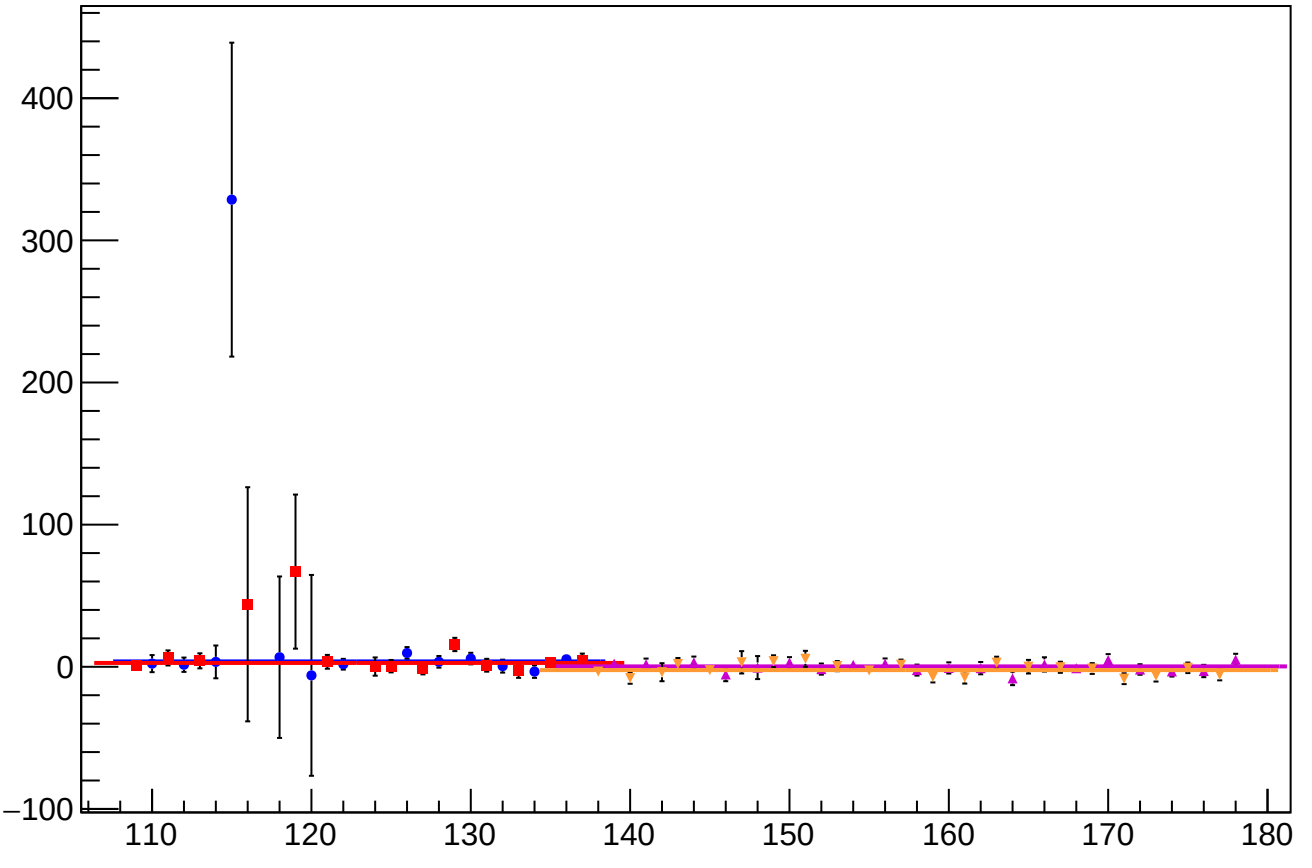
Left: 1020.146+/-0.126 χ^2/NDF: 308881.7/40

Right: 1543.555+/-0.362 χ^2/NDF: 3759789.5/26

In: 1079.339+/-0.169 χ^2/NDF:3124590.6/32

Out: 1074.019+/-0.167 χ^2/NDF:2804479.5/34

All: 1076.646+/-0.119 χ^2/NDF: 5929569.1/67



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: 0.277+/-0.854 χ^2/NDF:12.4/19

Left: -1.050+/-0.599 χ^2/NDF: 36.3/40

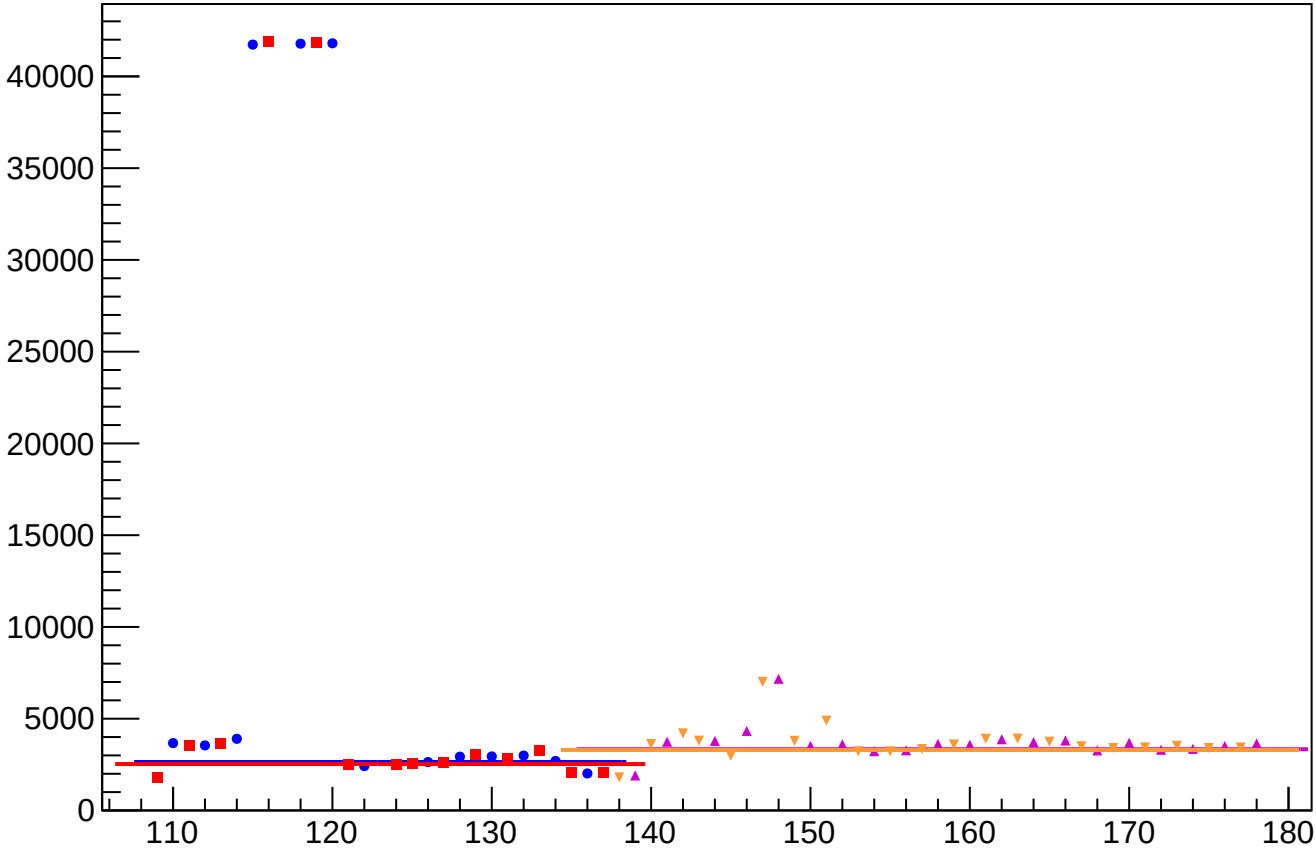
Right: 3.227+/-0.869 χ^2/NDF: 29.2/26

In: 1.393+/-0.705 χ^2/NDF:32.9/32

Out: -0.696+/-0.690 χ^2/NDF:44.5/34

All: 0.326+/-0.493 χ^2/NDF: 81.9/67

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: 3334.992+/-0.604 χ^2/NDF:1625309.6/19

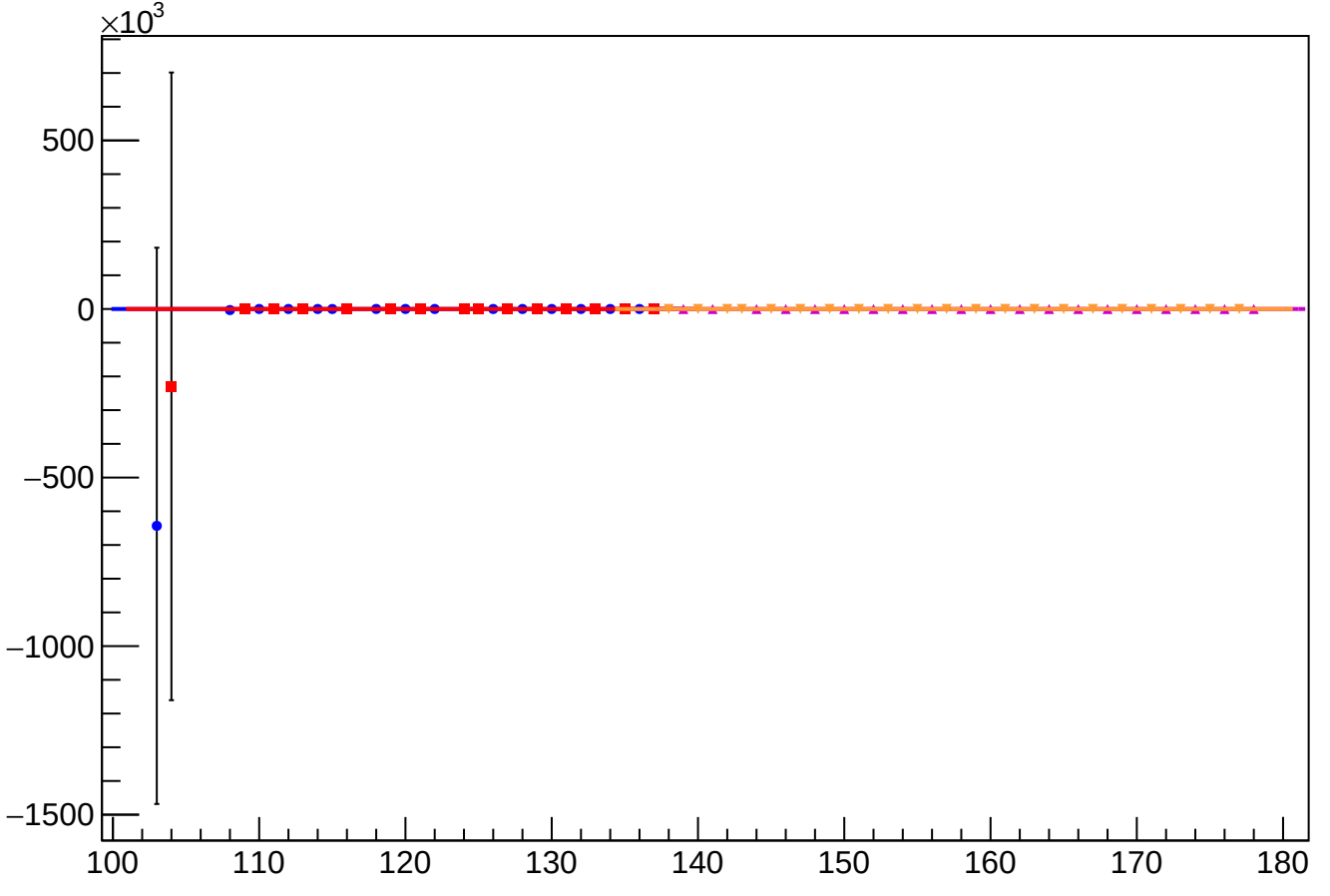
Left: 3315.867+/-0.423 χ^2/NDF: 3512393.9/40

Right: 2582.794+/-0.615 χ^2/NDF: 4131459.2/26

In: 3113.416+/-0.498 χ^2/NDF:4221063.3/32

Out: 3048.060+/-0.488 χ^2/NDF:4379005.5/34

All: 3080.034+/-0.349 χ^2/NDF: 8608852.6/67



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: 0.228+/-0.397 χ^2/NDF:23.2/19

Left: -0.758+/-0.278 χ^2/NDF: 82.0/40

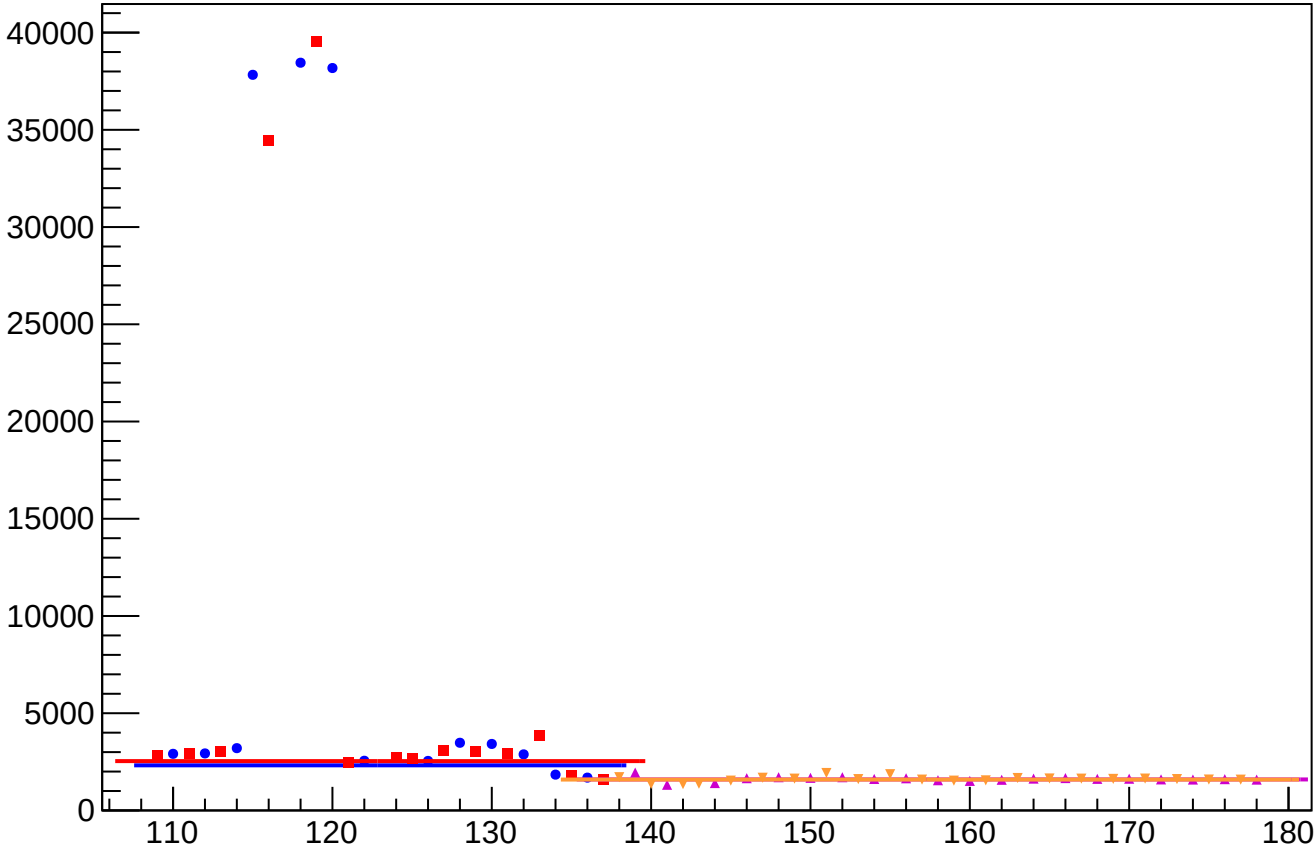
Right: 0.585+/-0.824 χ^2/NDF: 38.7/29

In: 0.069+/-0.374 χ^2/NDF:43.4/34

Out: -1.304+/-0.372 χ^2/NDF:72.9/35

All: -0.621+/-0.264 χ^2/NDF: 123.1/70

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: 1594.796+/-0.280 χ^2/NDF:196226.0/19

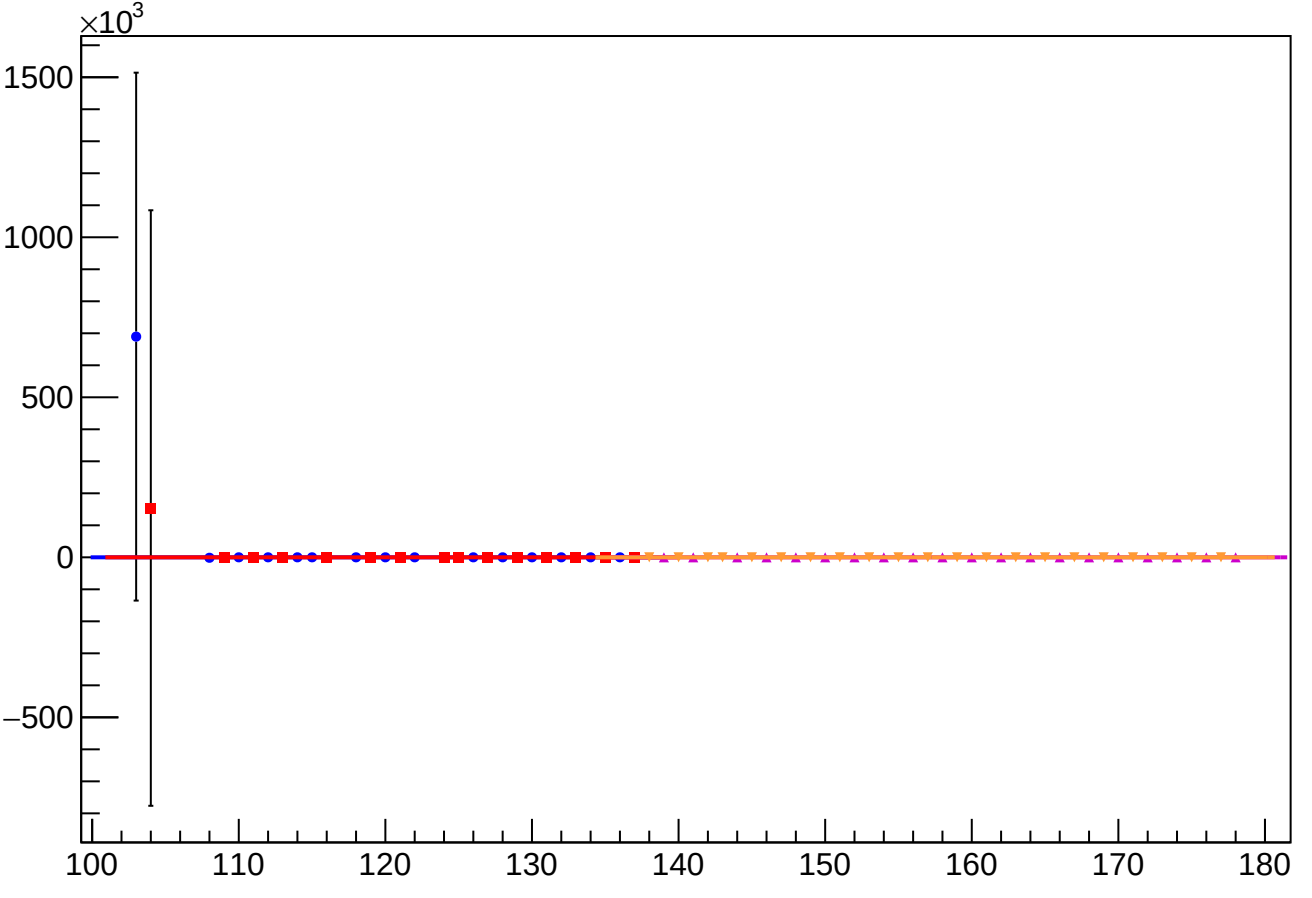
Left: 1591.578+/-0.197 χ^2/NDF: 426920.6/40

Right: 2421.061+/-0.583 χ^2/NDF: 4534110.8/26

In: 1674.948+/-0.264 χ^2/NDF:3397508.9/32

Out: 1678.105+/-0.263 χ^2/NDF:3380939.7/34

All: 1676.534+/-0.187 χ^2/NDF: 6778520.2/67



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: -0.039+/-0.529 χ^2/NDF:16.1/19

Left: -0.568+/-0.378 χ^2/NDF: 39.7/40

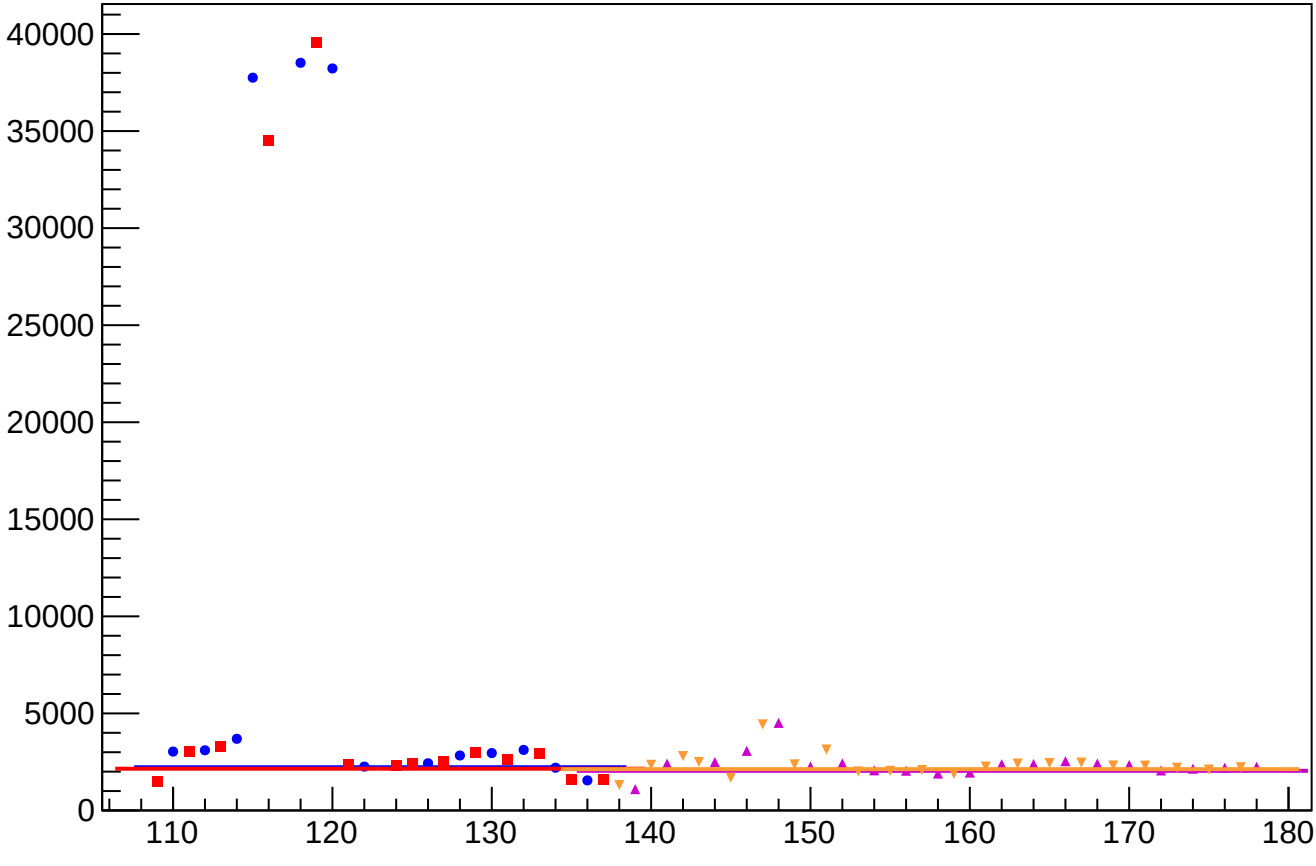
Right: 1.803+/-0.752 χ^2/NDF: 20.3/29

In: 0.301+/-0.475 χ^2/NDF:23.2/34

Out: -0.491+/-0.481 χ^2/NDF:43.5/35

All: -0.090+/-0.338 χ^2/NDF: 68.0/70

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: 2041.354+/-0.374 χ^2/NDF:2272645.2/19

Left: 2083.391+/-0.268 χ^2/NDF: 3769520.7/40

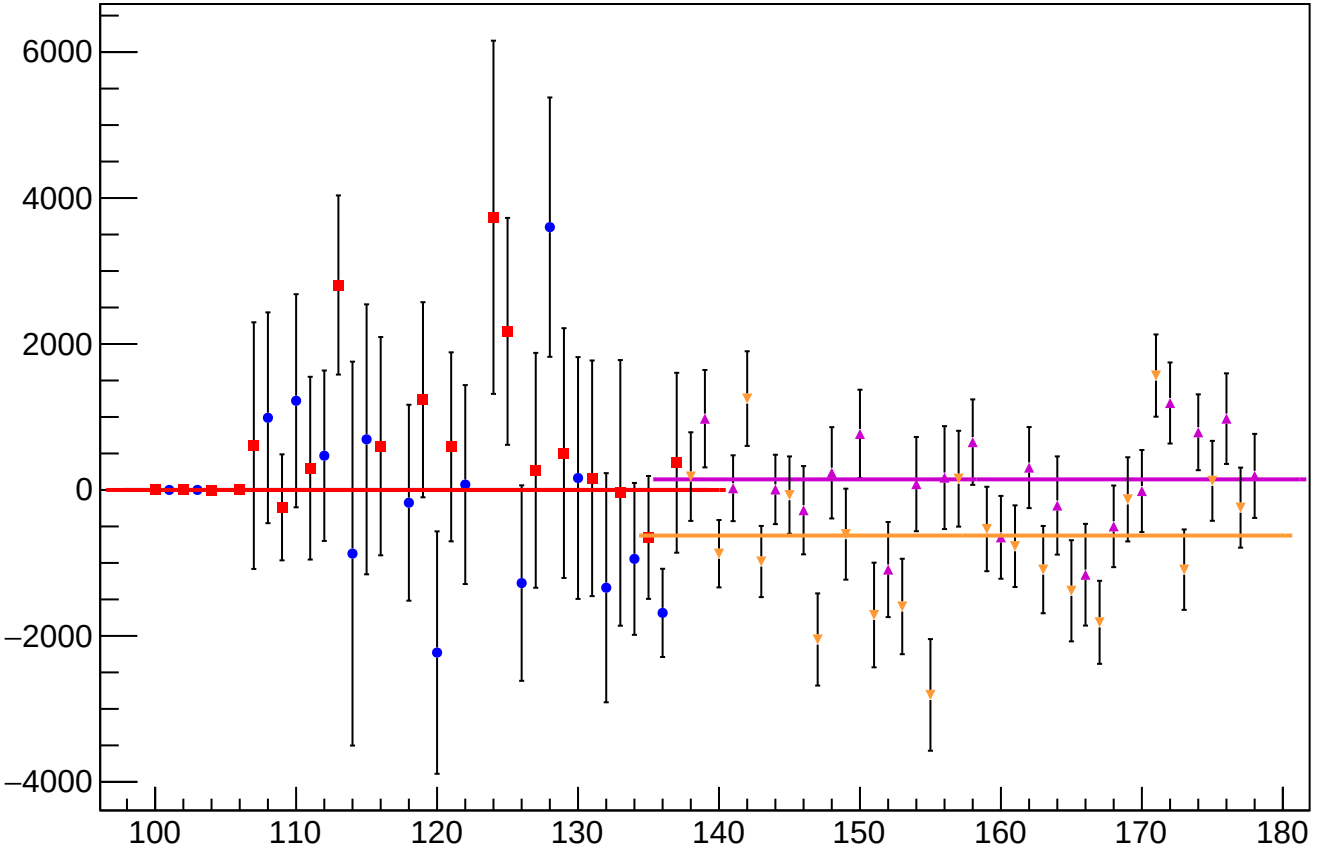
Right: 2188.011+/-0.532 χ^2/NDF: 4758723.2/26

In: 2077.472+/-0.336 χ^2/NDF:4842818.1/32

Out: 2132.295+/-0.340 χ^2/NDF:3703149.2/34

All: 2104.515+/-0.239 χ^2/NDF: 8559117.7/67

diff_cav4bX_mean vs Slug, Sign Corrected



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: 145.131+/-130.407 χ^2/NDF:21.8/19

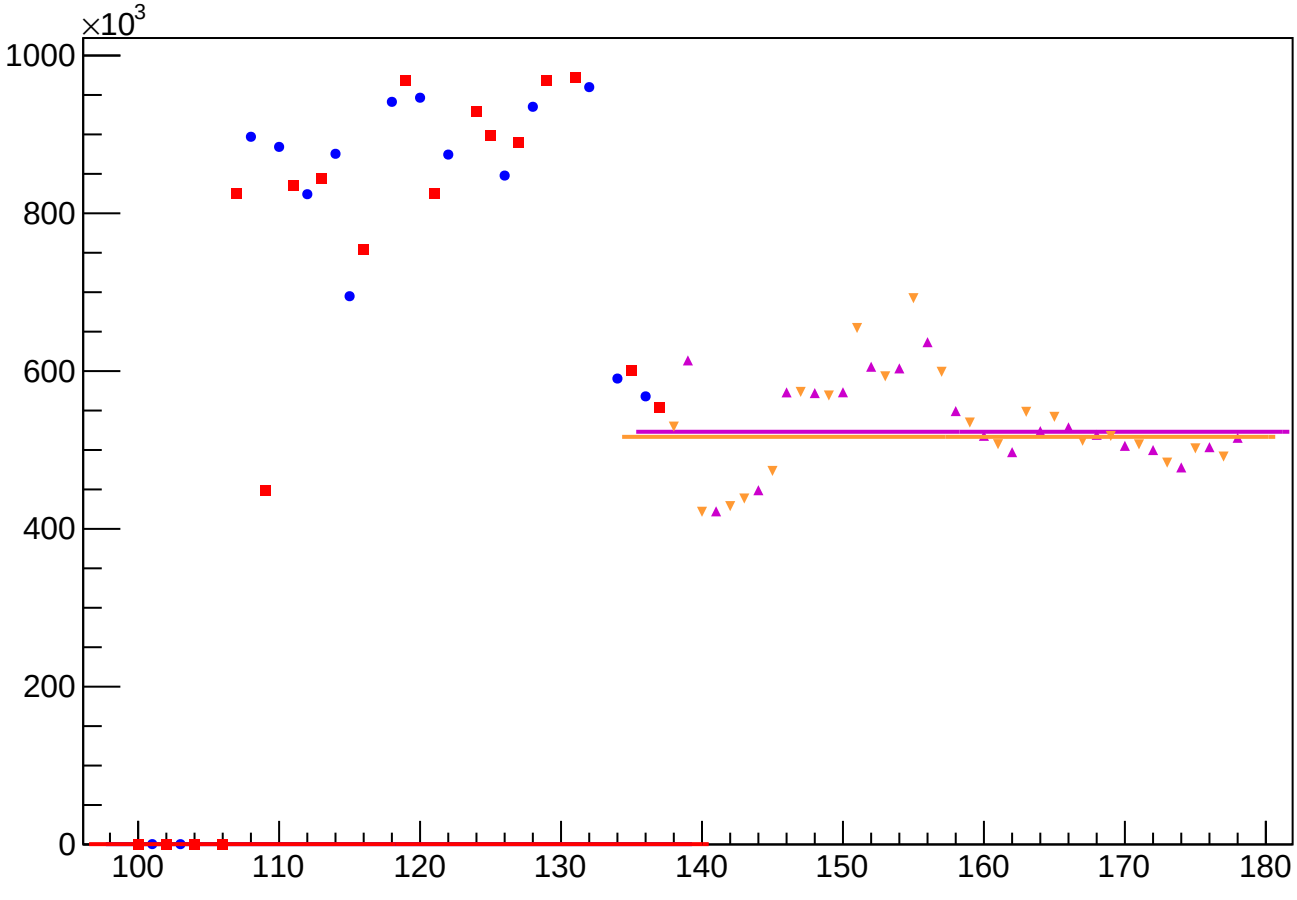
Left: -247.487+/-91.290 χ^2/NDF: 96.0/40

Right: 0.065+/-0.241 χ^2/NDF: 33.7/34

In: 0.256+/-0.356 χ^2/NDF:40.8/35

Out: -0.100+/-0.328 χ^2/NDF:95.7/39

All: 0.064+/-0.241 χ^2/NDF: 137.0/75



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: 523097.097+/-92.212 χ^2/NDF:371323.0/19

Left: 519807.571+/-64.552 χ^2/NDF: 853957.7/40

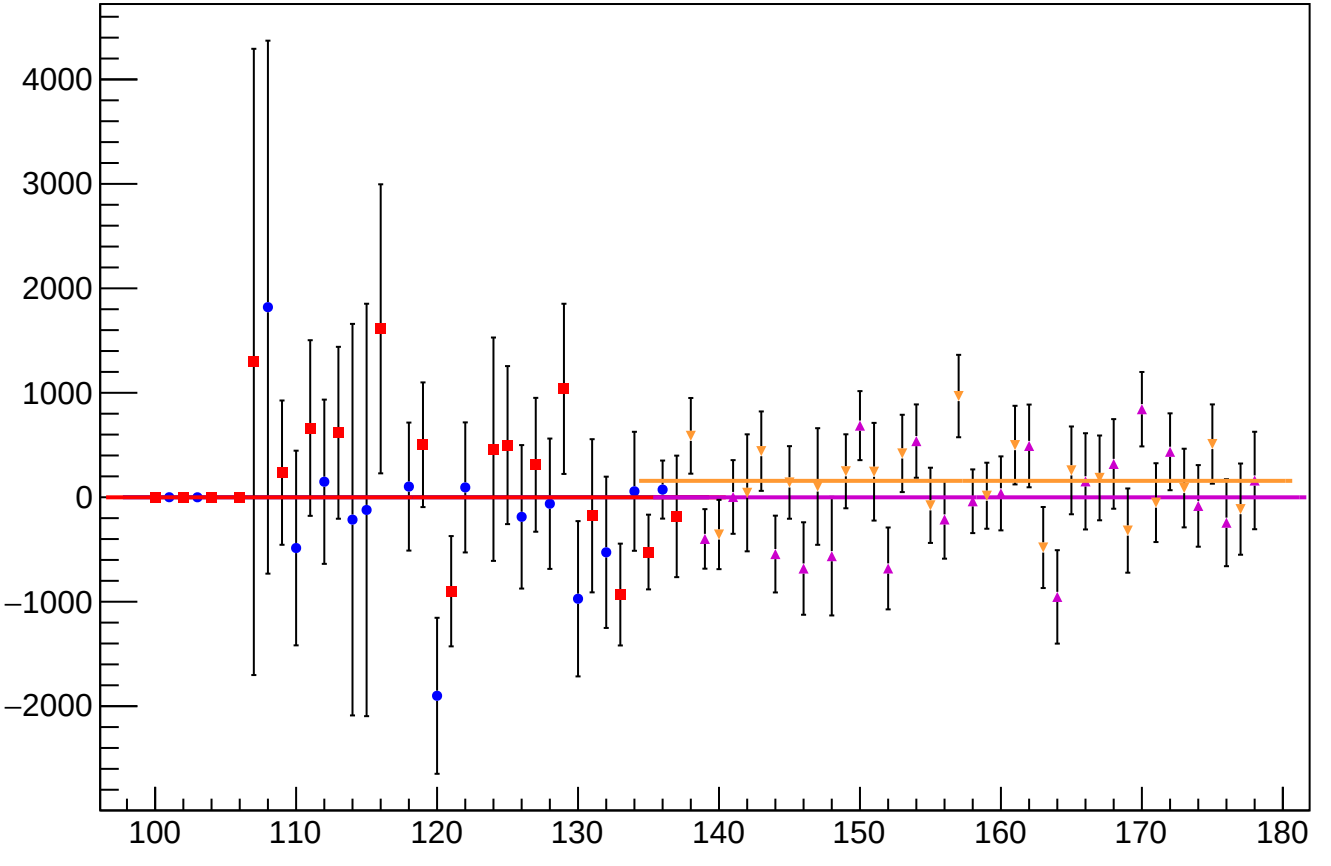
Right: 395.831+/-0.170 χ^2/NDF: 16140681.1/32

In: 402.769+/-0.251 χ^2/NDF:40994157.7/34

Out: 396.634+/-0.232 χ^2/NDF:40745153.9/38

All: 399.451+/-0.170 χ^2/NDF: 81739633.5/73

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: -0.566+/-84.740 χ^2/NDF:31.8/19

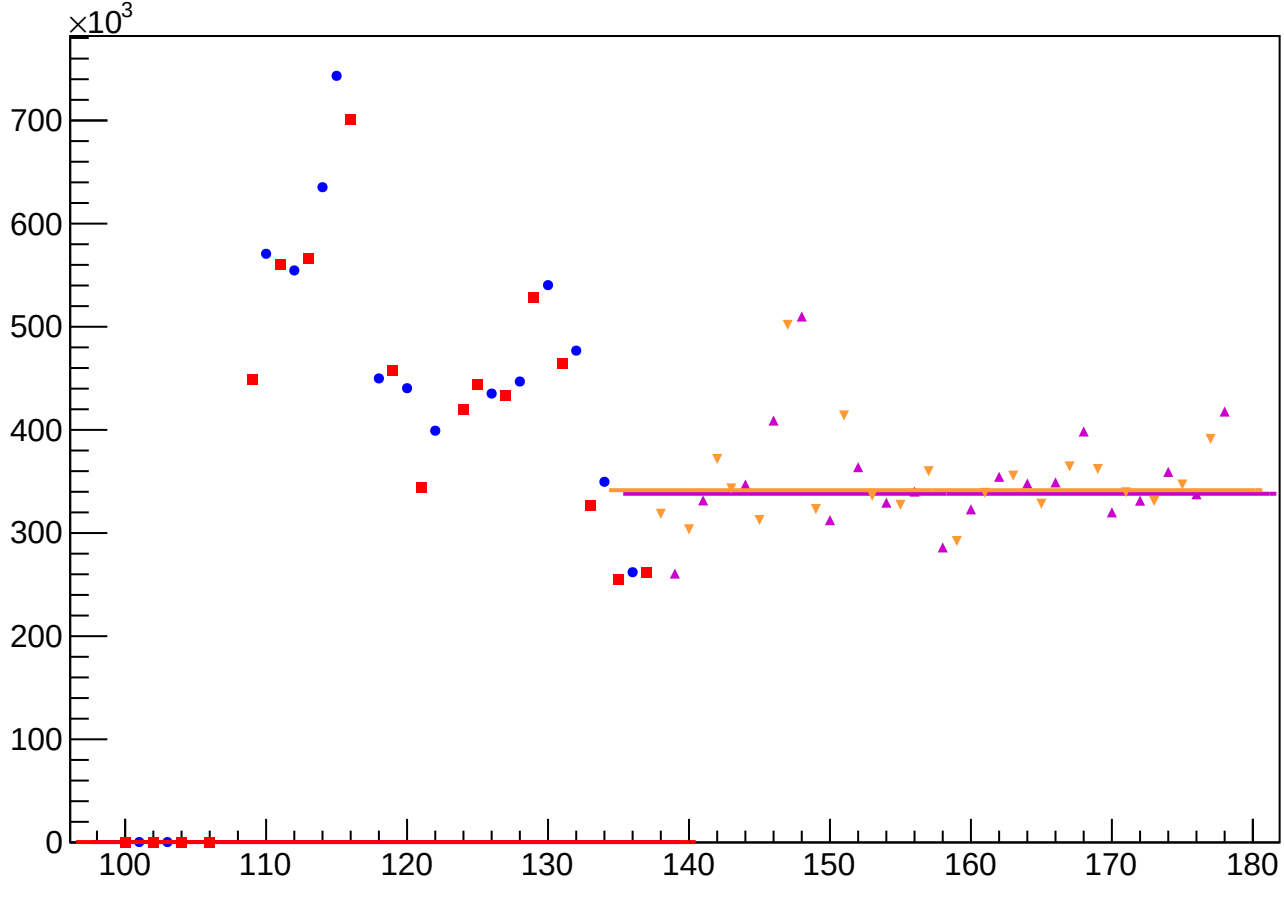
Left: 78.557+/-59.824 χ^2/NDF: 50.0/40

Right: -0.330+/-0.237 χ^2/NDF: 27.0/34

In: -0.020+/-0.347 χ^2/NDF:42.3/35

Out: -0.596+/-0.324 χ^2/NDF:35.0/39

All: -0.328+/-0.237 χ^2/NDF: 78.7/75



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: 338093.670+/-59.924 χ^2/NDF:582775.5/19

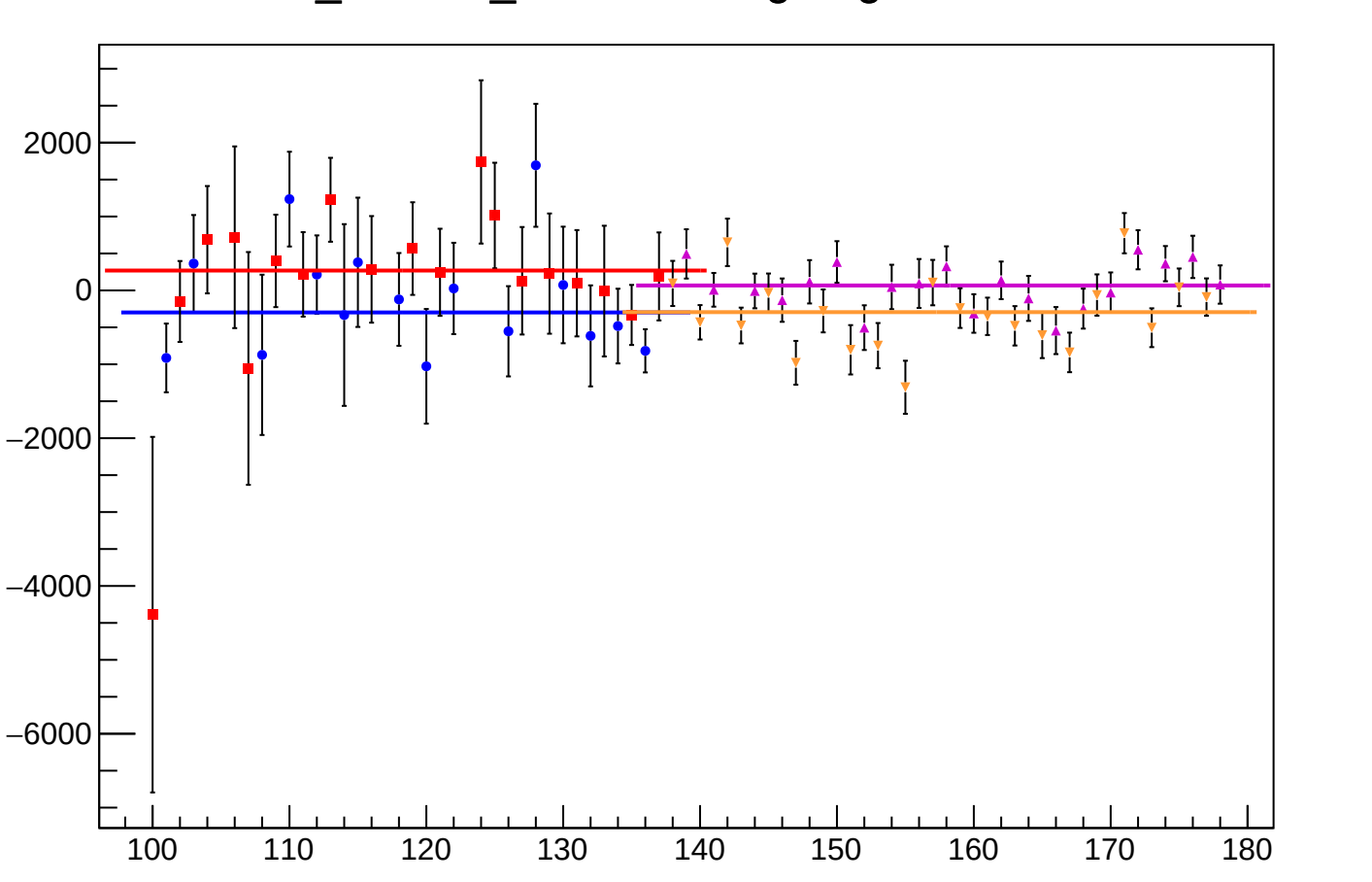
Left: 339821.704+/-42.303 χ^2/NDF: 957510.5/40

Right: 389.050+/-0.167 χ^2/NDF: 22206589.6/32

In: 395.941+/-0.245 χ^2/NDF:43473959.8/34

Out: 392.998+/-0.229 χ^2/NDF:44071674.3/38

All: 394.367+/-0.167 χ^2/NDF: 87545710.9/73



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: 66.698+/-61.561 χ^2/NDF:22.4/19

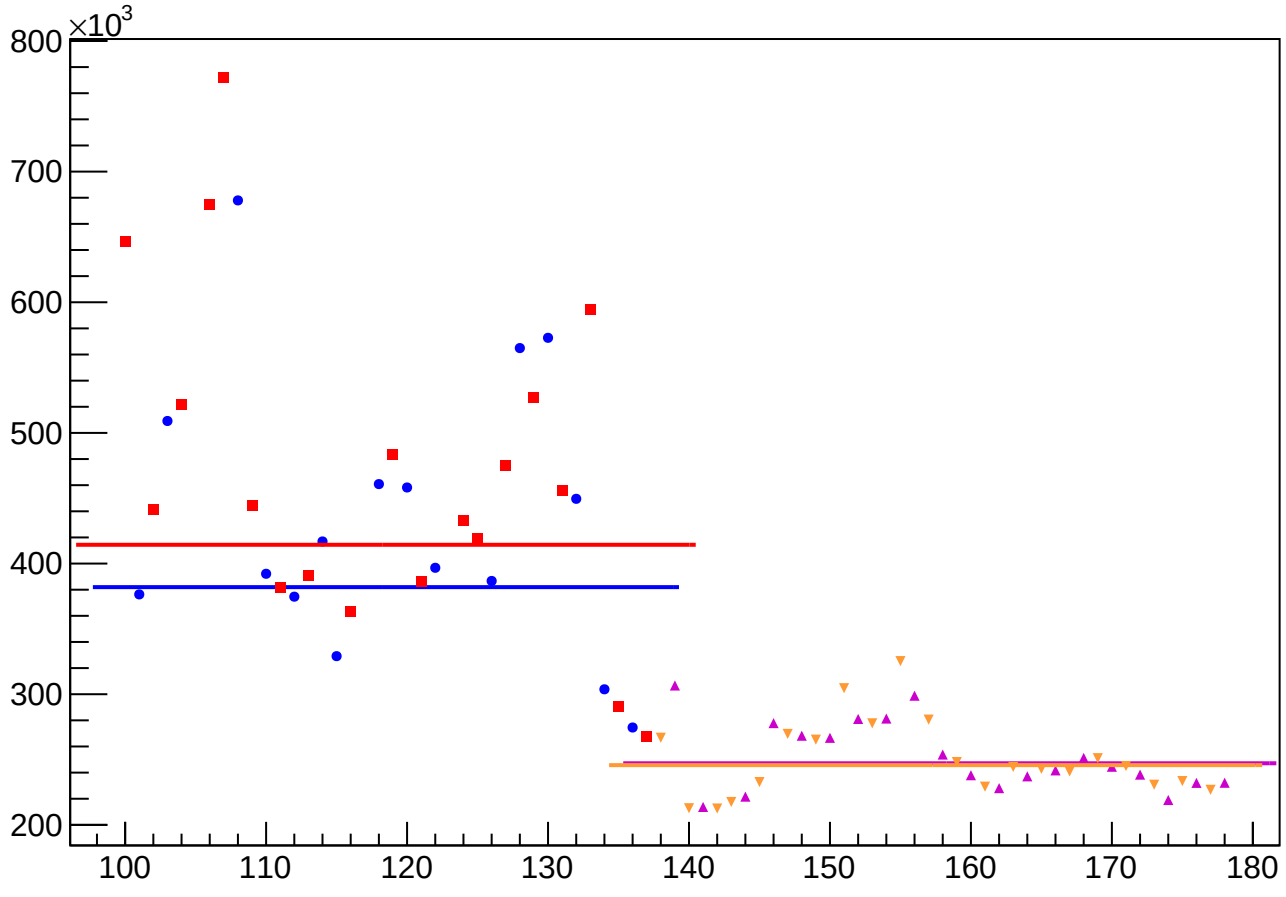
Left: -116.317+/-43.212 χ^2/NDF: 96.4/40

Right: -31.865+/-107.314 χ^2/NDF: 42.0/34

In: 12.473+/-56.804 χ^2/NDF:48.8/35

Out: -220.592+/-56.573 χ^2/NDF:81.7/39

All: -104.534+/-40.085 χ^2/NDF: 139.0/75



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 245714.509+/-42.901 χ^2/NDF:365532.2/20

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

Left In: 247145.425+/-43.530 χ^2/NDF:332475.6/19

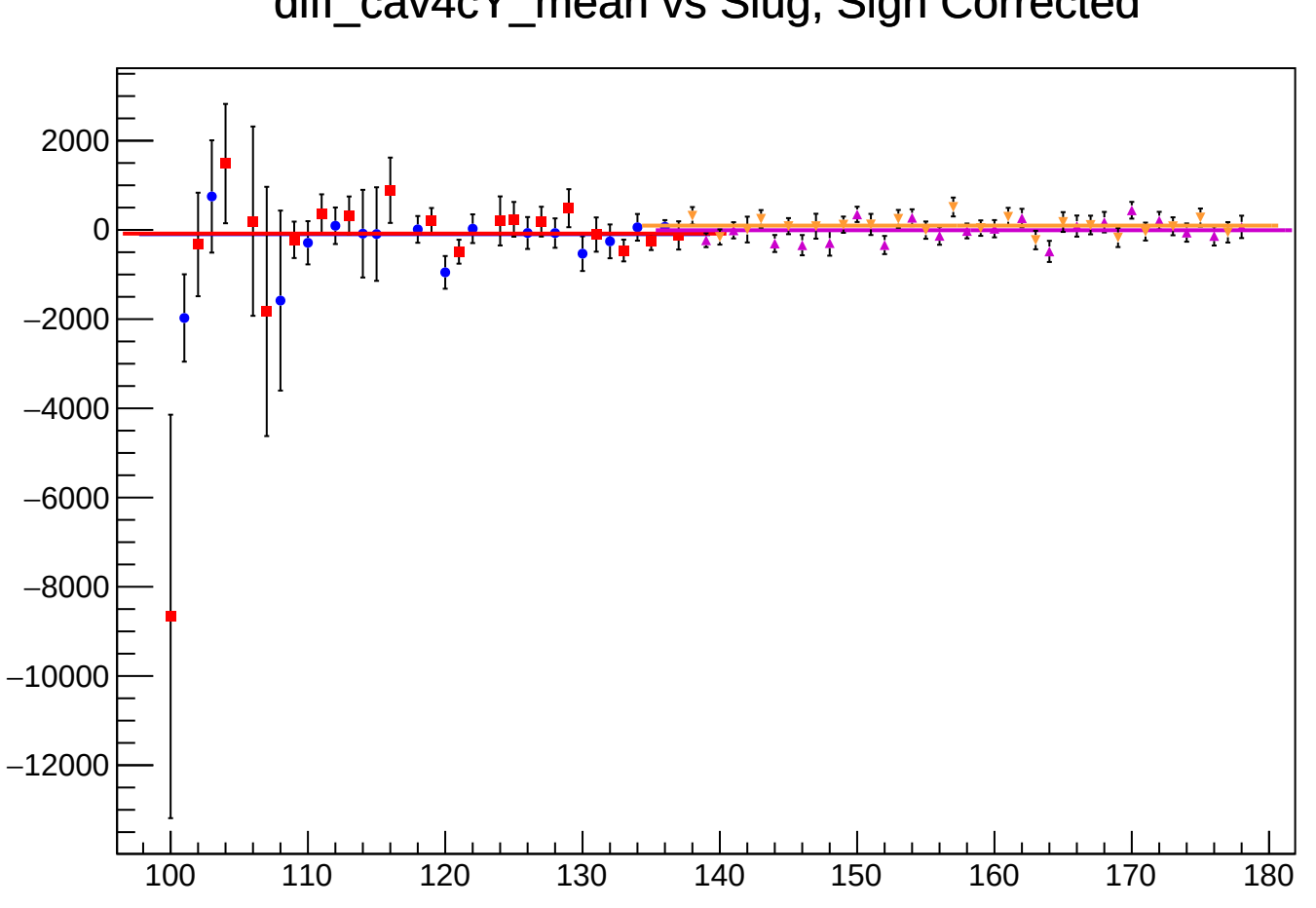
Left: 246419.553+/-30.556 χ^2/NDF: 698556.0/40

Right: 397186.164+/-75.899 χ^2/NDF: 1641963.2/34

In: 267169.881+/-40.168 χ^2/NDF:2593594.6/35

Out: 267721.704+/-40.005 χ^2/NDF:3142344.2/39

All: 267446.915+/-28.345 χ^2/NDF: 5736033.



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: -7.611+/-44.840 χ^2/NDF:31.1/19

Left: 44.734+/-31.611 χ^2/NDF: 49.7/40

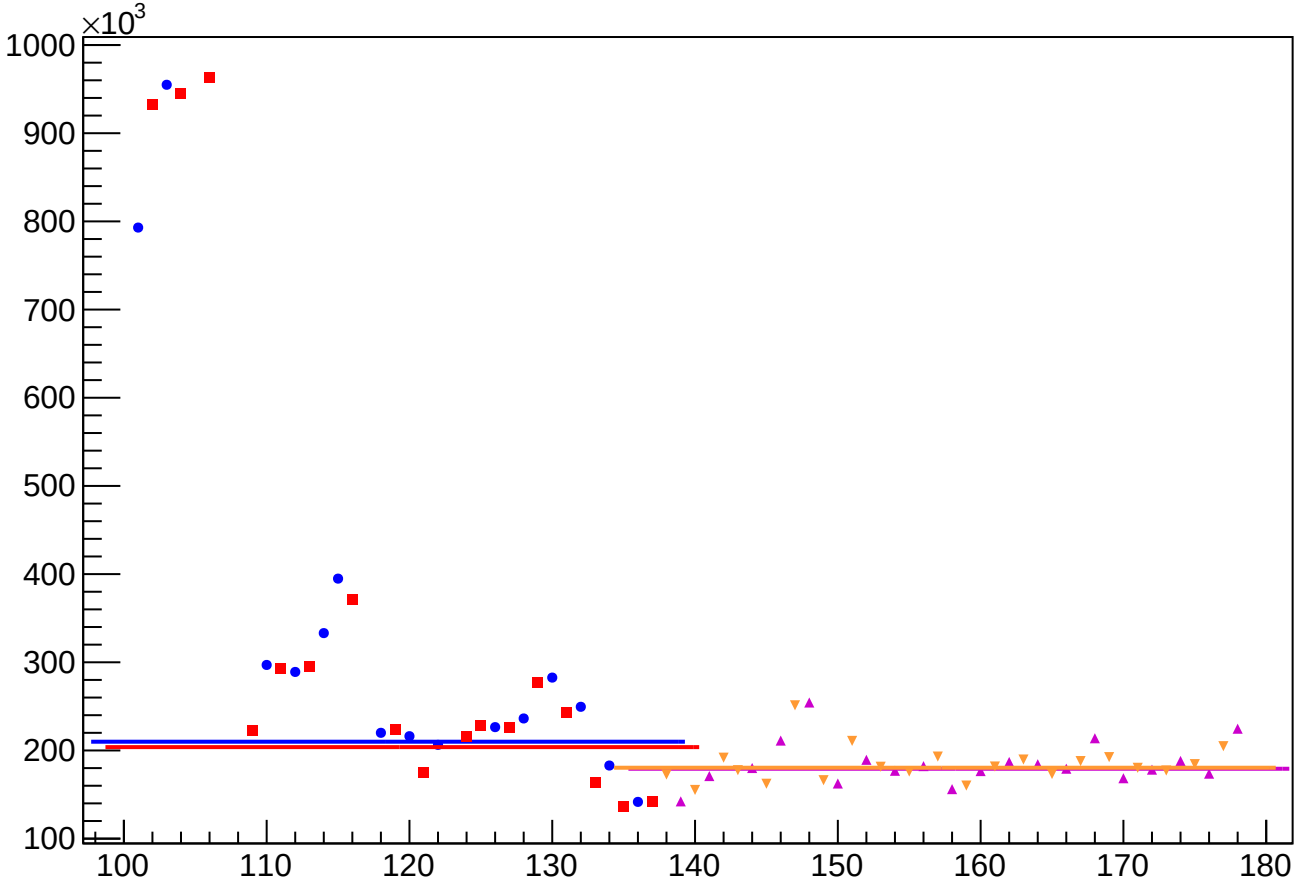
Right: -89.229+/-62.075 χ^2/NDF: 32.8/34

In: -25.712+/-39.977 χ^2/NDF:45.6/35

Out: 59.411+/-39.698 χ^2/NDF:38.3/39

All: 17.148+/-28.169 χ^2/NDF: 86.2/75

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: 179261.588+/-31.707 χ^2/NDF:487430.9/19

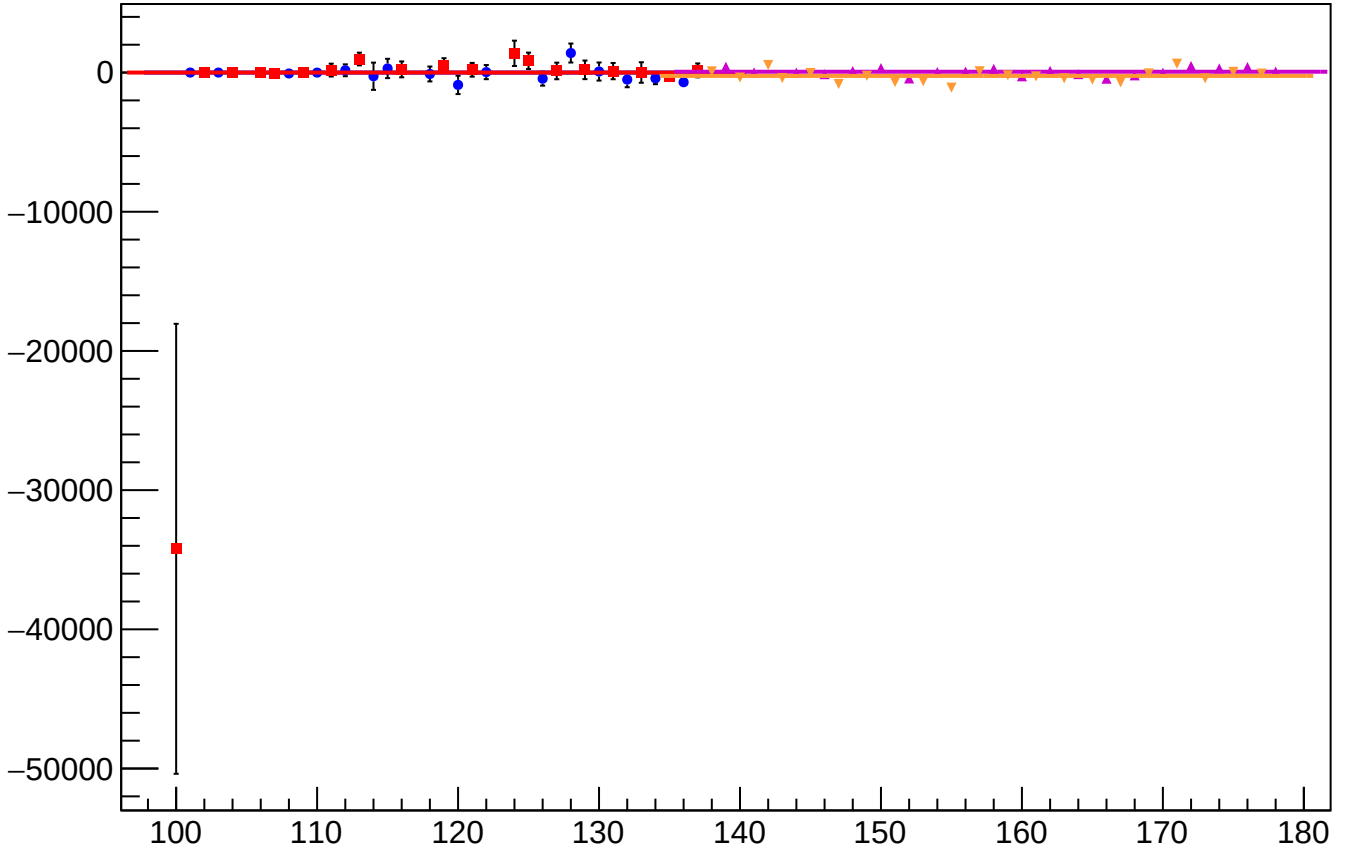
Left: 179847.646+/-22.352 χ^2/NDF: 807534.4/40

Right: 206830.314+/-43.987 χ^2/NDF: 4035239.4/31

In: 185535.041+/-28.278 χ^2/NDF:2638705.1/34

Out: 185237.670+/-28.085 χ^2/NDF:2503082.2/37

All: 185385.335+/-19.927 χ^2/NDF: 5141842.



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: 59.017+/-51.491 χ^2/NDF:22.6/19

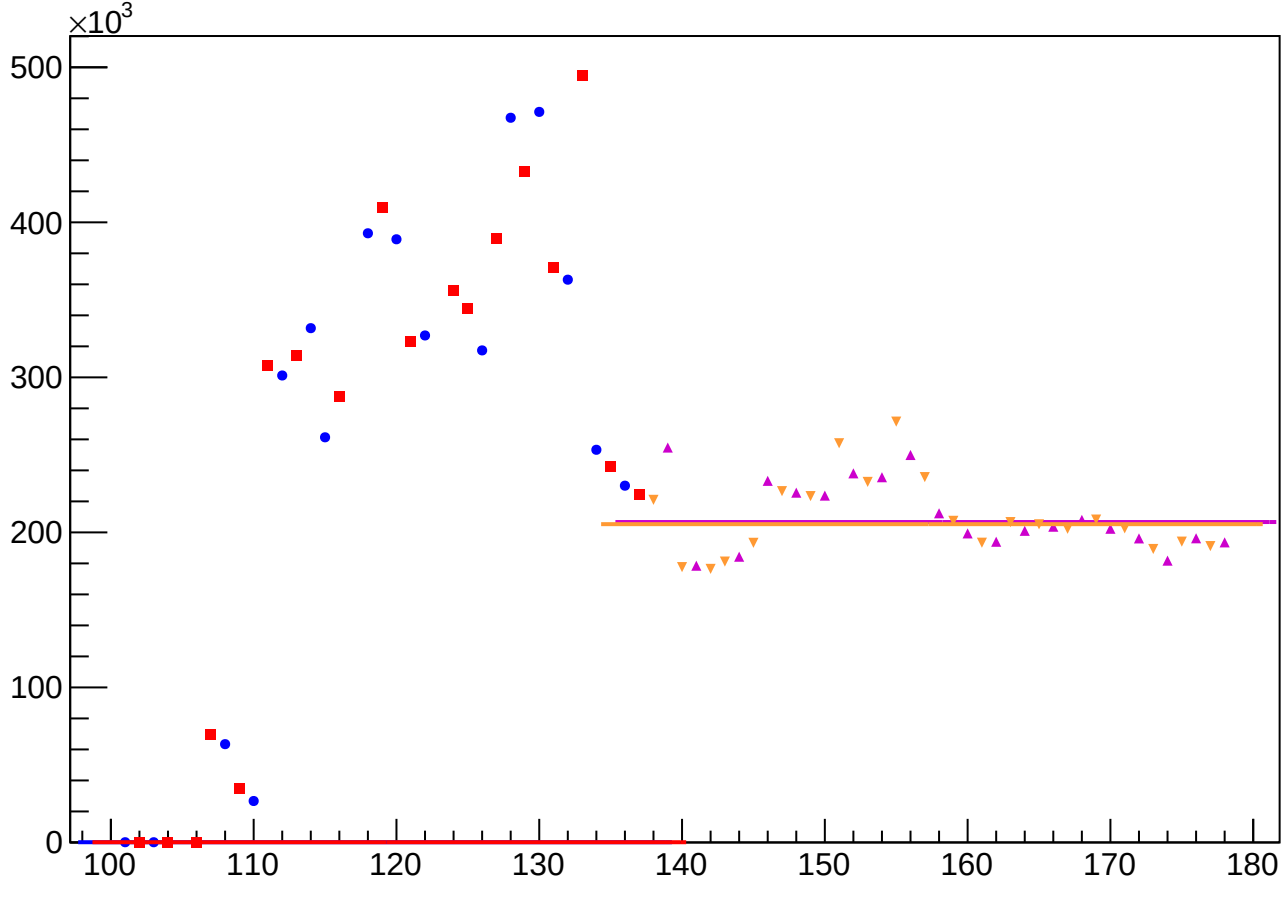
Left: -93.877+/-36.130 χ^2/NDF: 96.5/40

Right: 0.174+/-0.117 χ^2/NDF: 37.4/34

In: -0.034+/-0.172 χ^2/NDF:42.0/35

Out: 0.353+/-0.160 χ^2/NDF:95.9/39

All: 0.173+/-0.117 χ^2/NDF: 140.6/75



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: 206688.769+/-36.409 χ^2/NDF:340877.1/19

Left: 205989.310+/-25.548 χ^2/NDF: 722880.1/40

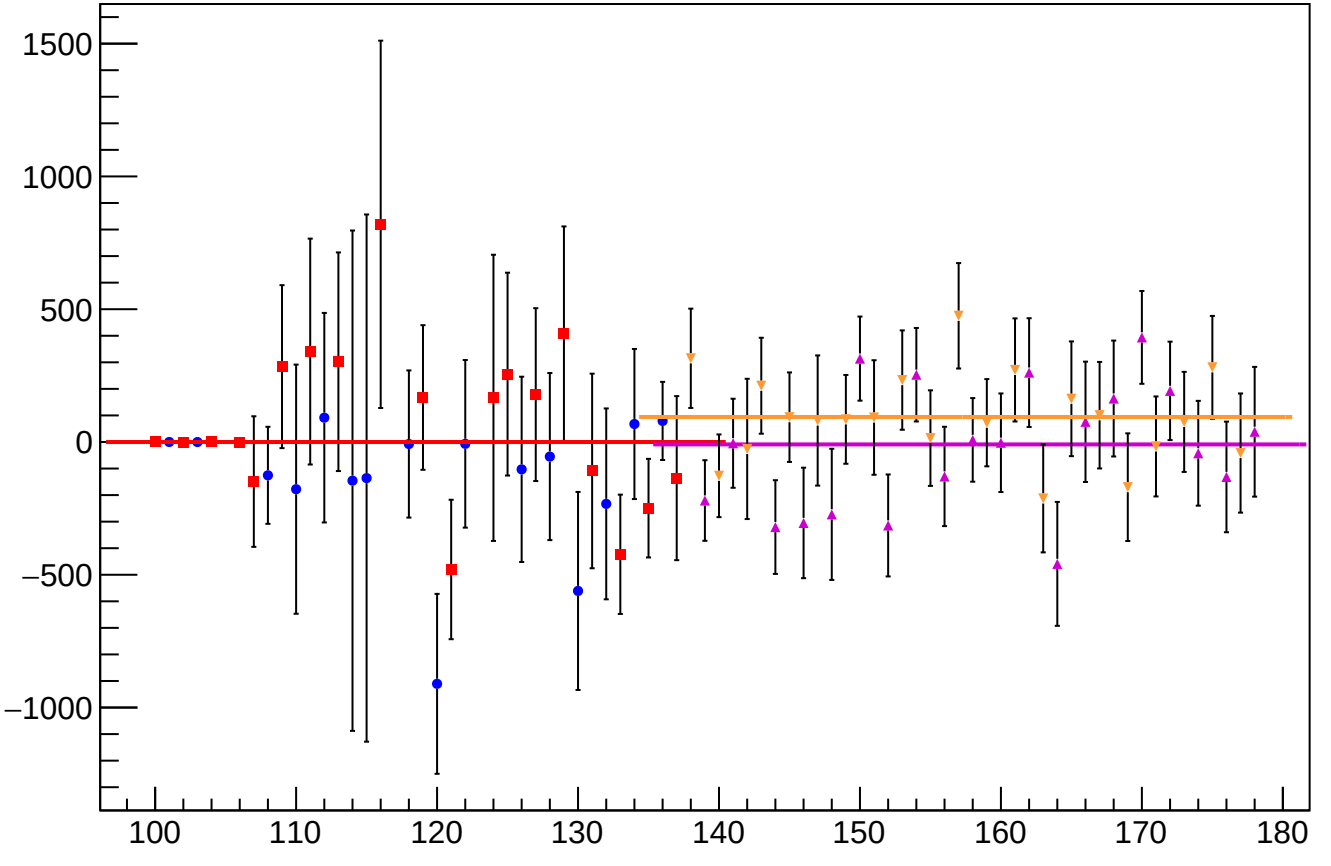
Right: 149.246+/-0.083 χ^2/NDF: 22590655.3/33

In: 151.404+/-0.122 χ^2/NDF:43821894.7/35

Out: 151.425+/-0.113 χ^2/NDF:44407280.8/38

All: 151.415+/-0.083 χ^2/NDF: 88229175.5/74

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: -9.164+/-42.337 χ^2/NDF:30.7/19

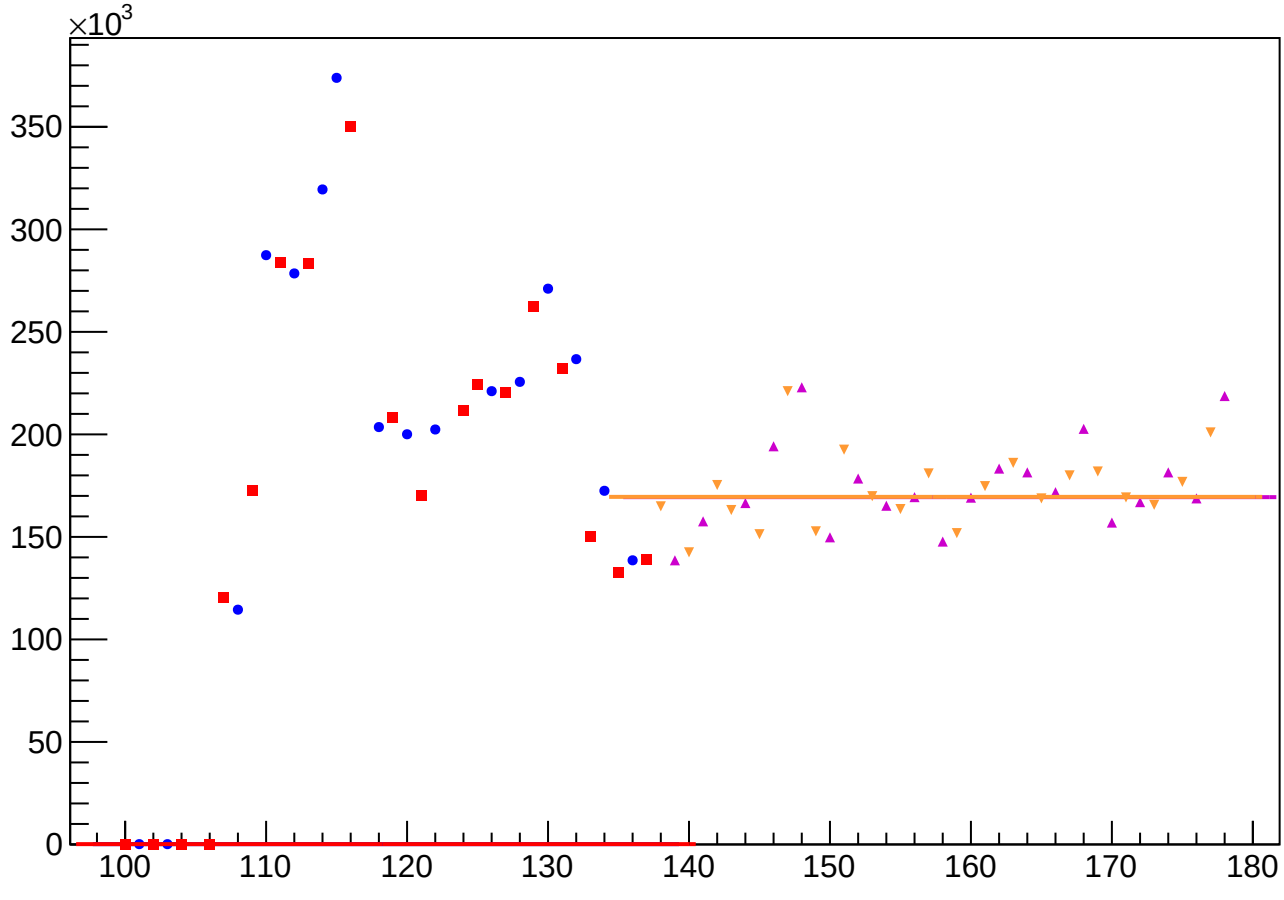
Left: 43.010+/-29.773 χ^2/NDF: 48.8/40

Right: -0.099+/-0.121 χ^2/NDF: 26.5/34

In: -0.068+/-0.177 χ^2/NDF:42.0/35

Out: -0.124+/-0.166 χ^2/NDF:35.4/39

All: -0.098+/-0.121 χ^2/NDF: 77.4/75



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: 169391.575+/-29.937 χ^2/NDF:450370.0/19

Left: 169459.207+/-21.053 χ^2/NDF: 772951.6/40

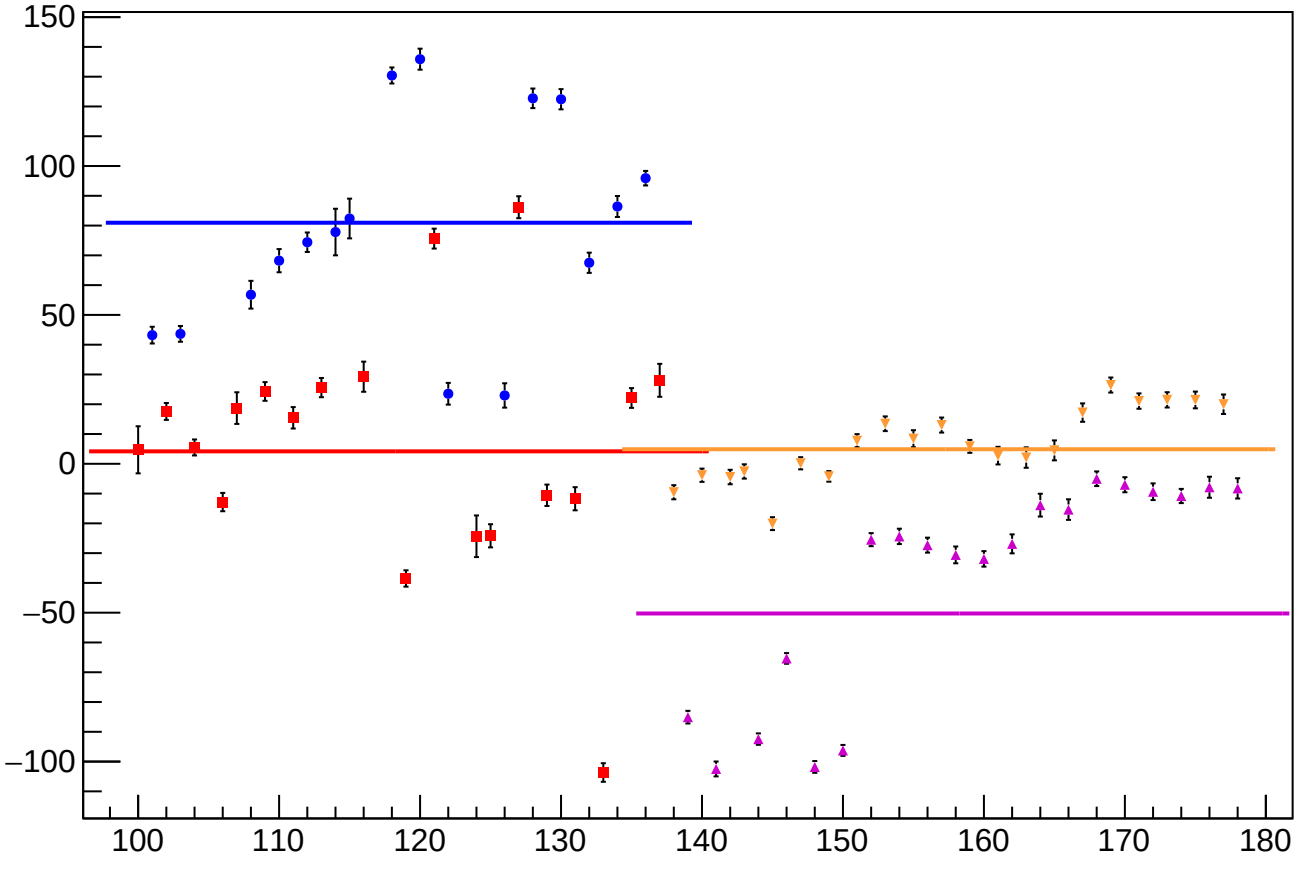
Right: 154.893+/-0.086 χ^2/NDF: 23236046.4/34

In: 156.426+/-0.125 χ^2/NDF:44312858.6/35

Out: 158.834+/-0.118 χ^2/NDF:44366621.3/39

All: 157.705+/-0.086 χ^2/NDF: 88679676.2/75

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: -50.264+/-0.547 χ^2/NDF:4631.7/19

Left: -22.382+/-0.384 χ^2/NDF: 10270.2/40

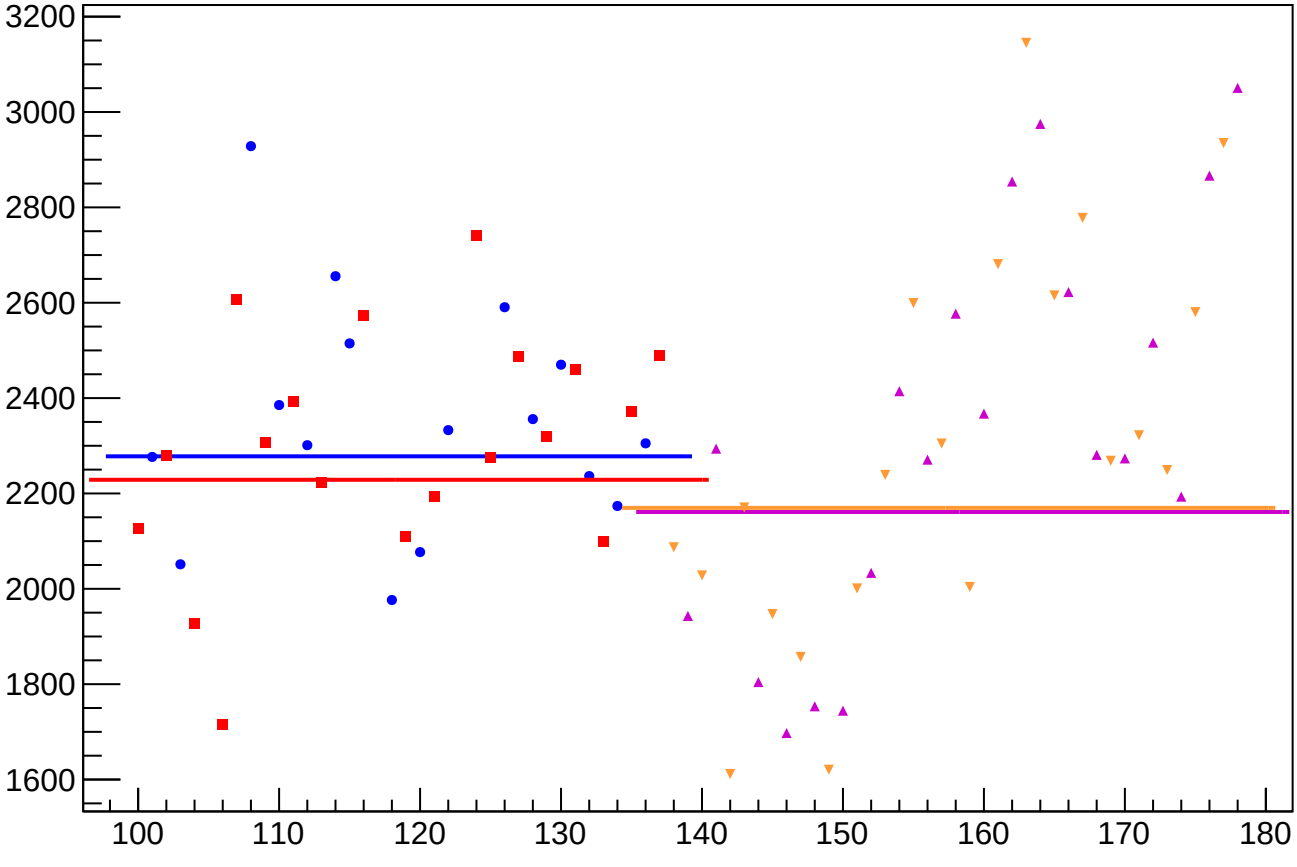
Right: 41.130+/-0.591 χ^2/NDF: 8751.0/34

In: -11.961+/-0.460 χ^2/NDF:23263.3/35

Out: 4.673+/-0.451 χ^2/NDF:3213.5/39

All: -3.486+/-0.322 χ^2/NDF: 27142.9/75

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: 2161.102+/-0.387 χ^2/NDF:981080.3/19

Left: 2165.470+/-0.272 χ^2/NDF: 1929419.2/40

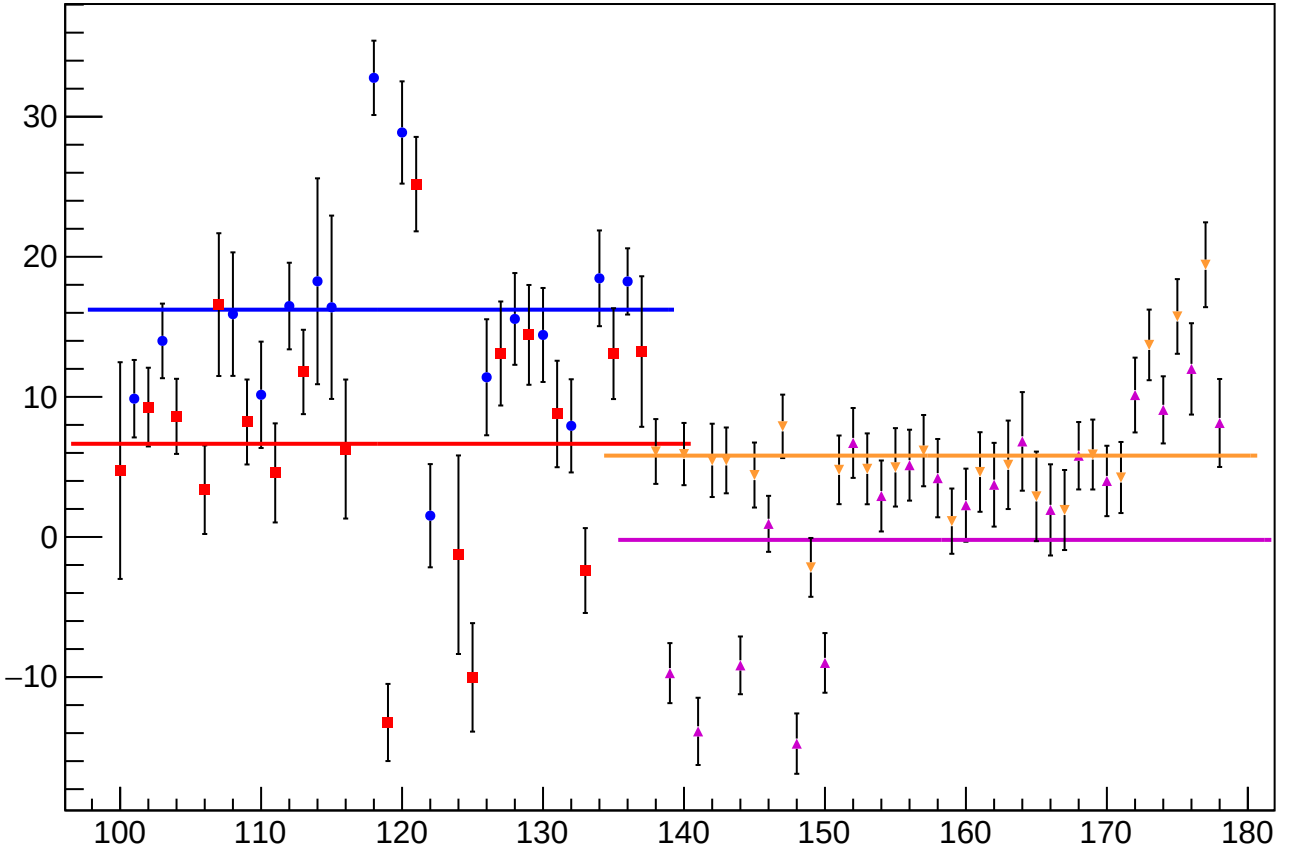
Right: 2252.356+/-0.418 χ^2/NDF: 270367.9/34

In: 2195.185+/-0.325 χ^2/NDF:1123485.4/35

Out: 2187.599+/-0.319 χ^2/NDF:1106424.5/39

All: 2191.320+/-0.228 χ^2/NDF: 2230187.0/75

diff_bpm0i01Y_mean vs Slug, Sign Corrected



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: -0.207+/-0.560 χ^2/NDF:217.2/19

Left: 2.844+/-0.393 χ^2/NDF: 343.1/40

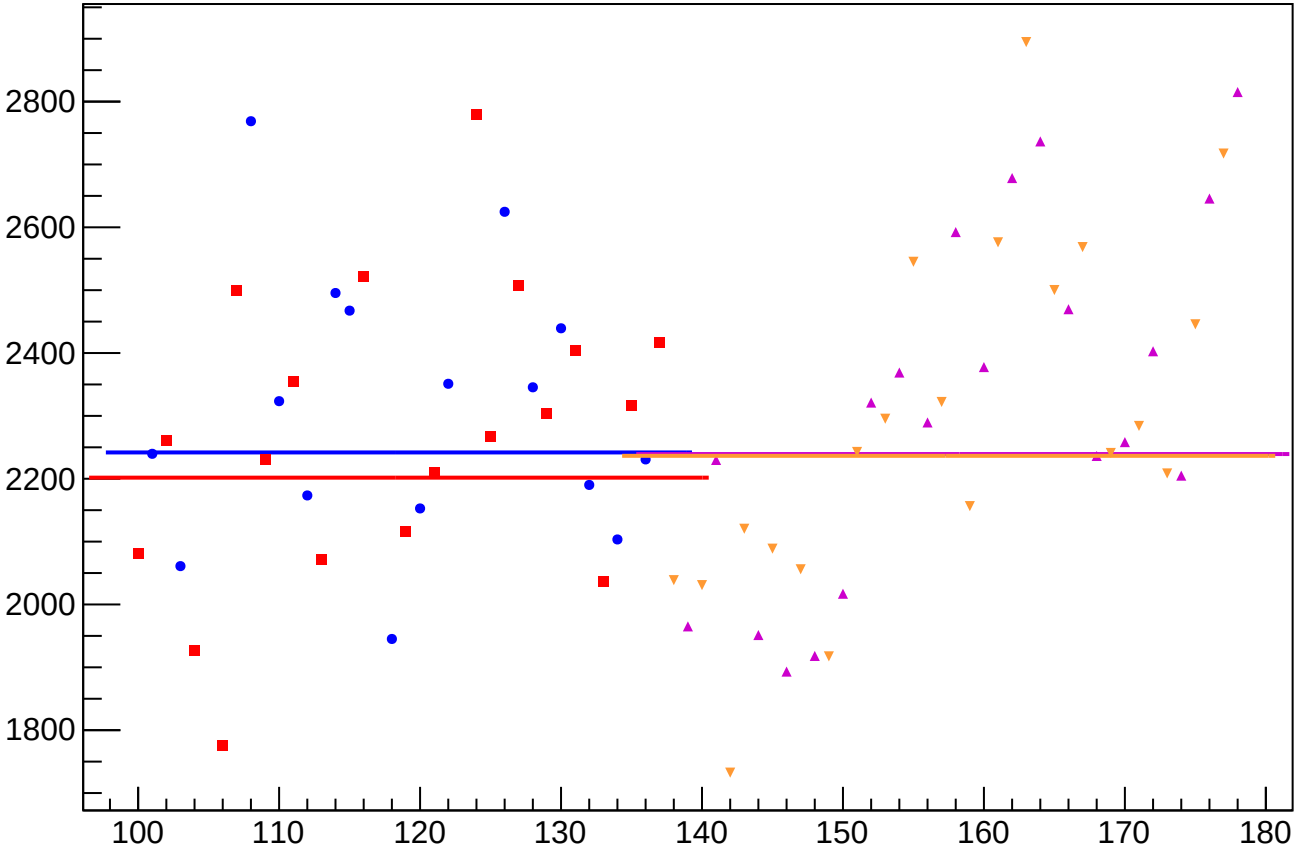
Right: 11.274+/-0.582 χ^2/NDF: 286.7/34

In: 4.869+/-0.466 χ^2/NDF:567.8/35

Out: 6.076+/-0.456 χ^2/NDF:202.7/39

All: 5.485+/-0.326 χ^2/NDF: 773.9/75

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: 2239.291+/-0.396 χ^2/NDF:443227.9/19

Left: 2237.860+/-0.278 χ^2/NDF: 870988.4/40

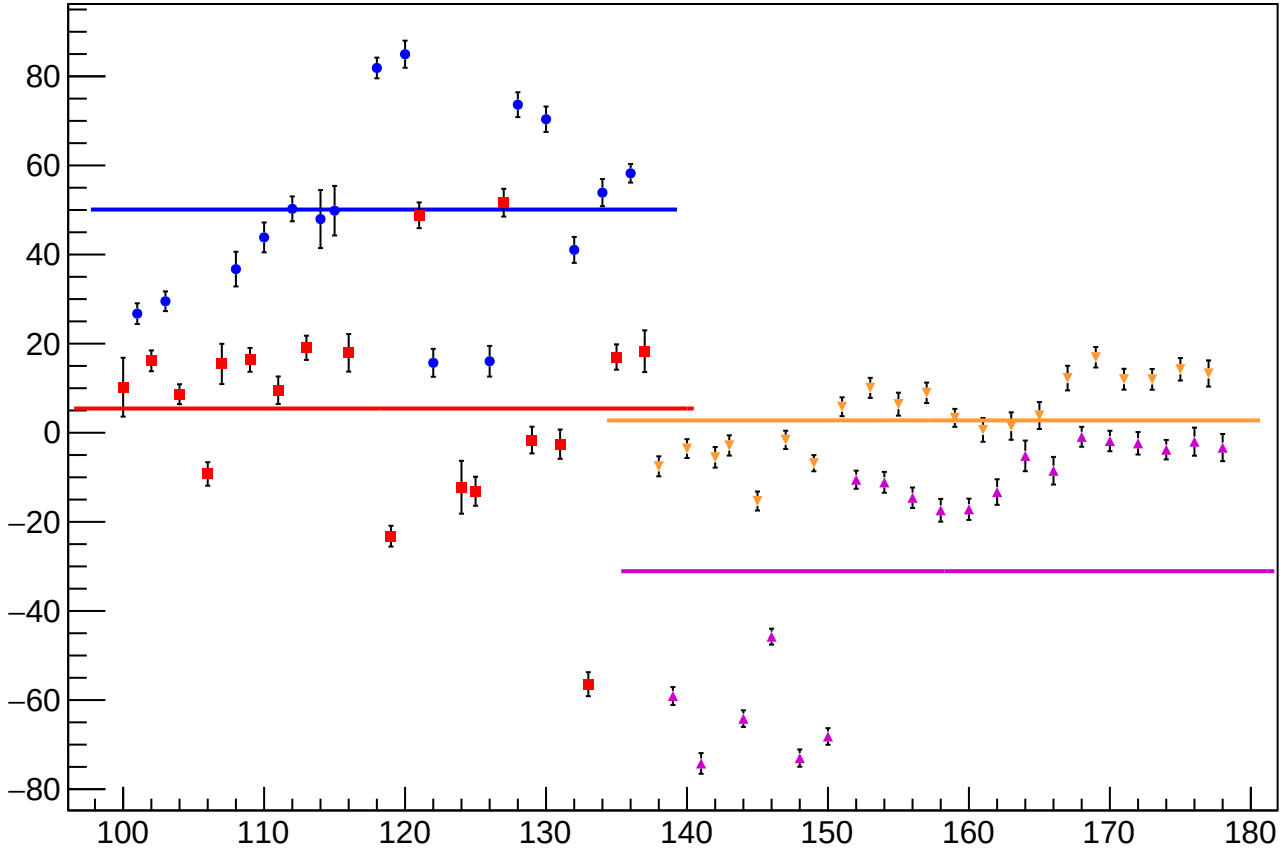
Right: 2221.106+/-0.412 χ^2/NDF: 234515.6/34

In: 2240.082+/-0.329 χ^2/NDF:545501.6/35

Out: 2225.441+/-0.322 χ^2/NDF:560130.9/39

All: 2232.611+/-0.230 χ^2/NDF: 1106642.0/75

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: -31.074+/-0.513 χ^2/NDF:3015.6/19

Left: -13.958+/-0.361 χ^2/NDF: 5509.5/40

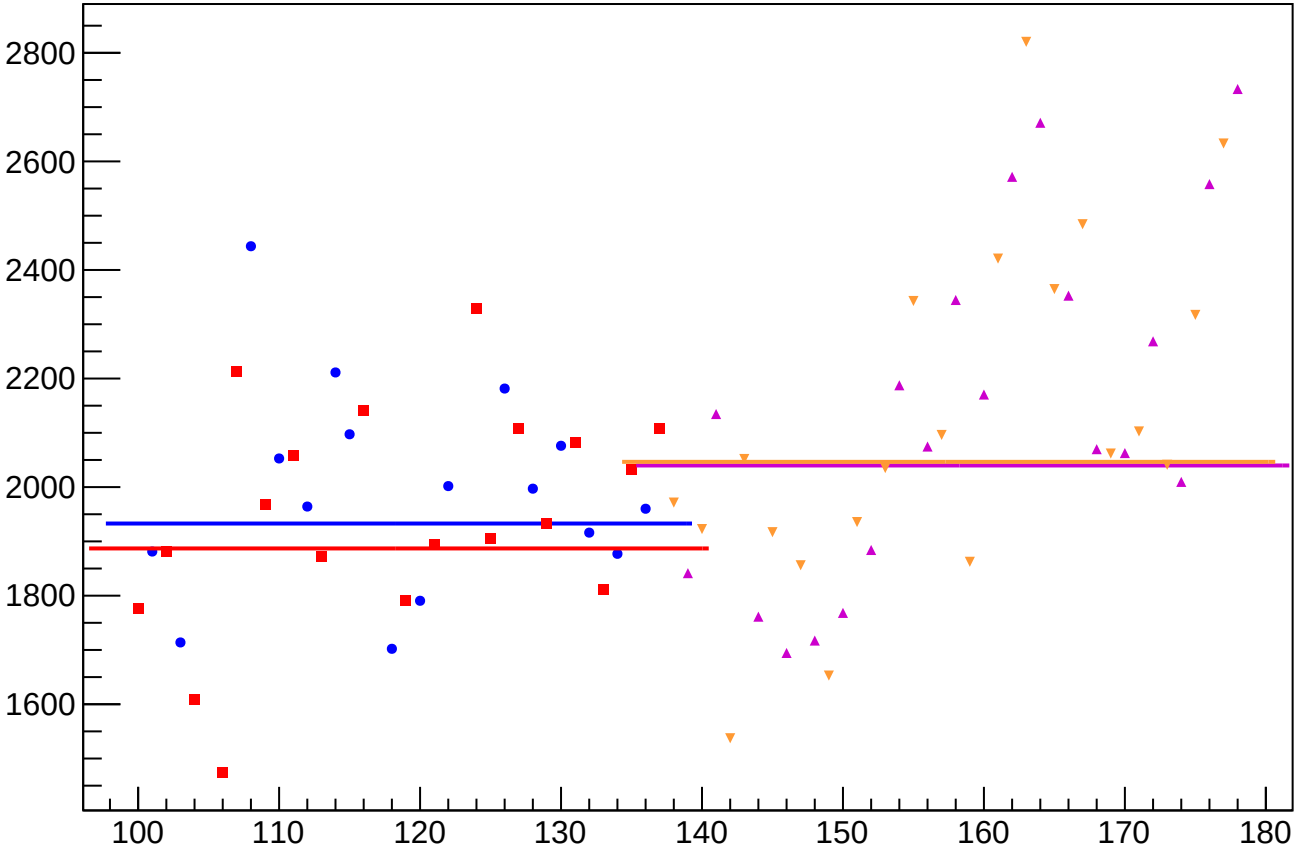
Right: 26.895+/-0.500 χ^2/NDF: 4187.6/34

In: -3.860+/-0.418 χ^2/NDF:12304.4/35

Out: 3.699+/-0.409 χ^2/NDF:1612.5/39

All: -0.001+/-0.293 χ^2/NDF: 14083.7/75

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: 2039.849+/-0.363 χ^2/NDF:625184.0/19

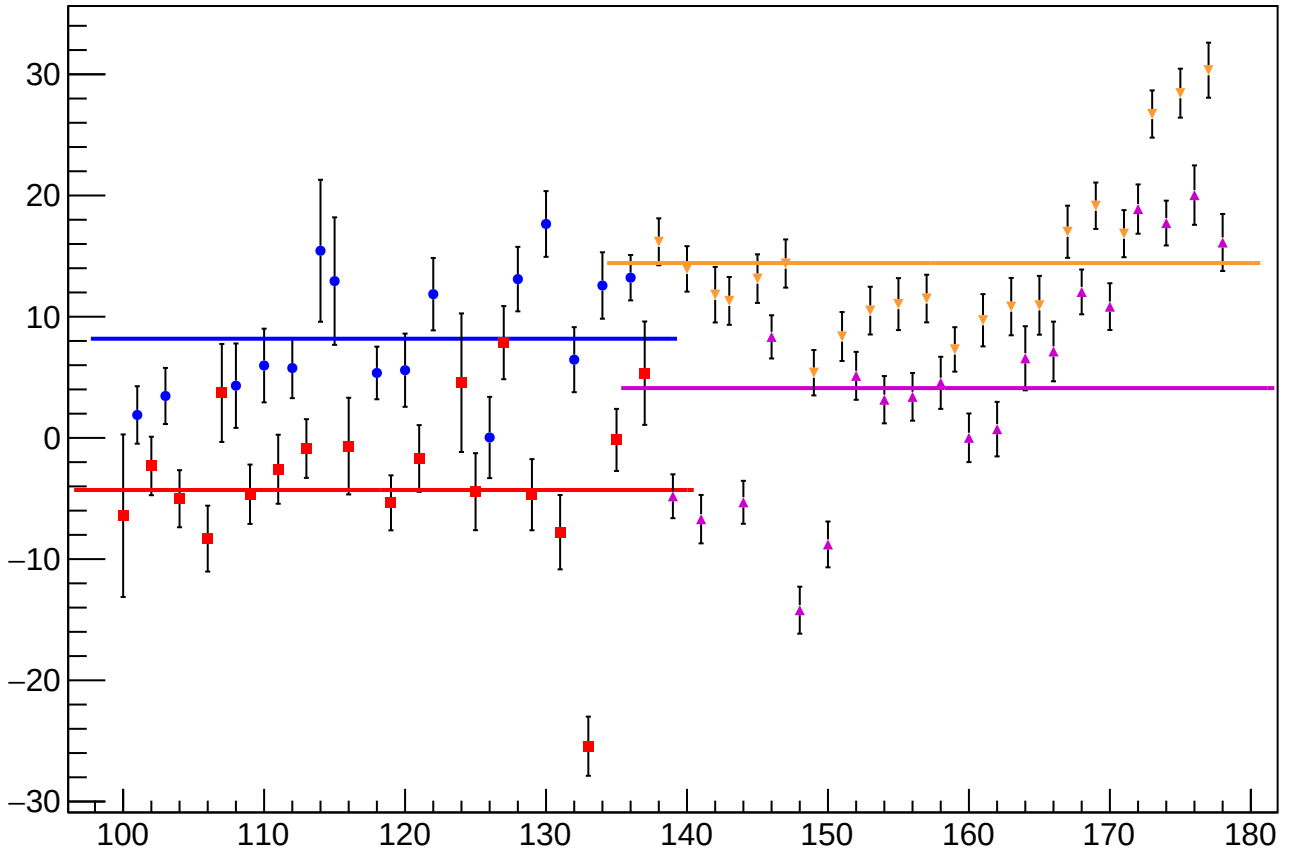
Left: 2043.232+/-0.255 χ^2/NDF: 1241605.1/40

Right: 1909.052+/-0.354 χ^2/NDF: 259912.9/34

In: 2003.995+/-0.296 χ^2/NDF:760310.8/35

Out: 1991.058+/-0.290 χ^2/NDF:834873.1/39

All: 1997.391+/-0.207 χ^2/NDF: 1596161.4/75



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: 4.109+/-0.451 χ^2/NDF:439.1/19

Left: 9.349+/-0.316 χ^2/NDF: 922.0/40

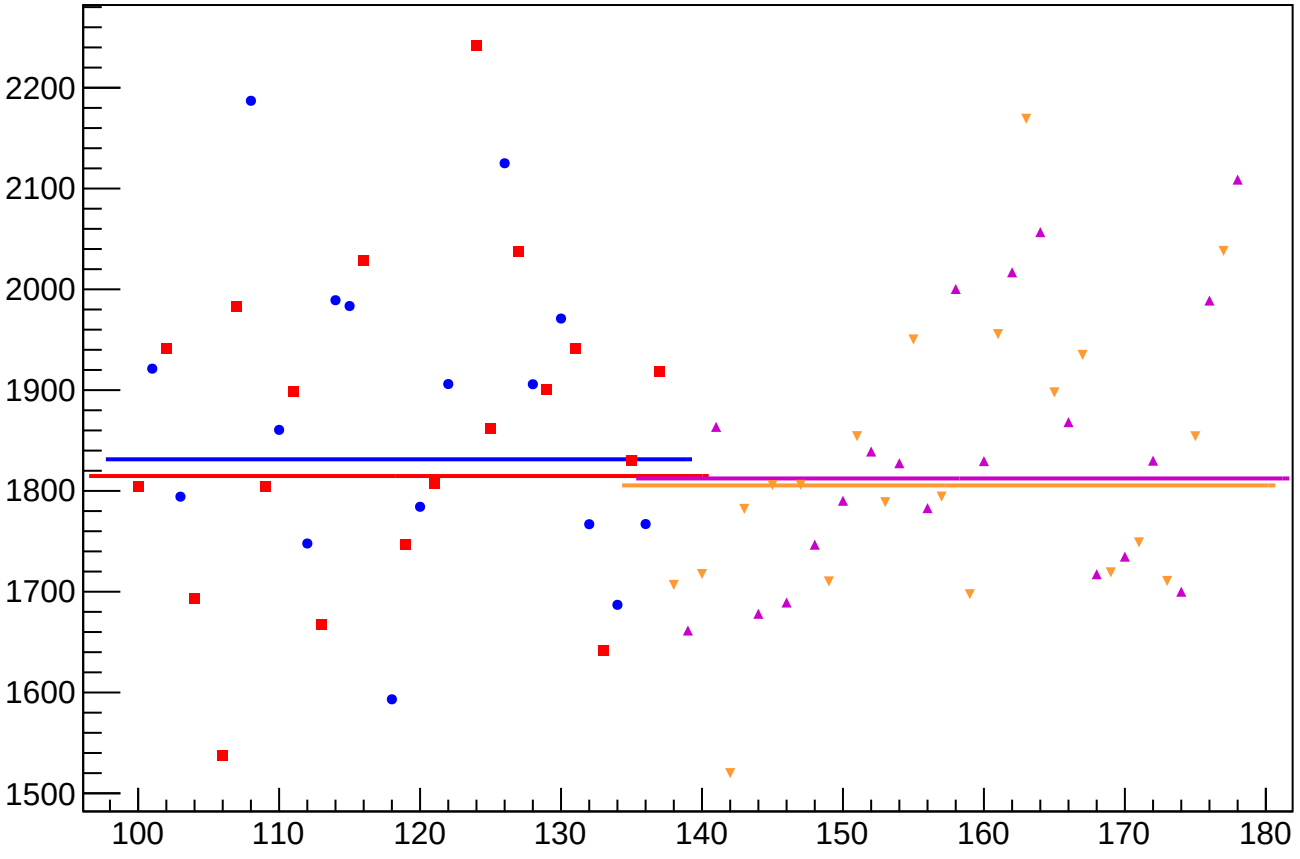
Right: 1.776+/-0.477 χ^2/NDF: 337.0/34

In: 5.343+/-0.376 χ^2/NDF:515.8/35

Out: 8.668+/-0.369 χ^2/NDF:878.7/39

All: 7.037+/-0.263 χ^2/NDF: 1434.3/75

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: 1812.369+/-0.319 χ^2/NDF:148071.3/19

Left: 1808.860+/-0.223 χ^2/NDF: 311588.9/40

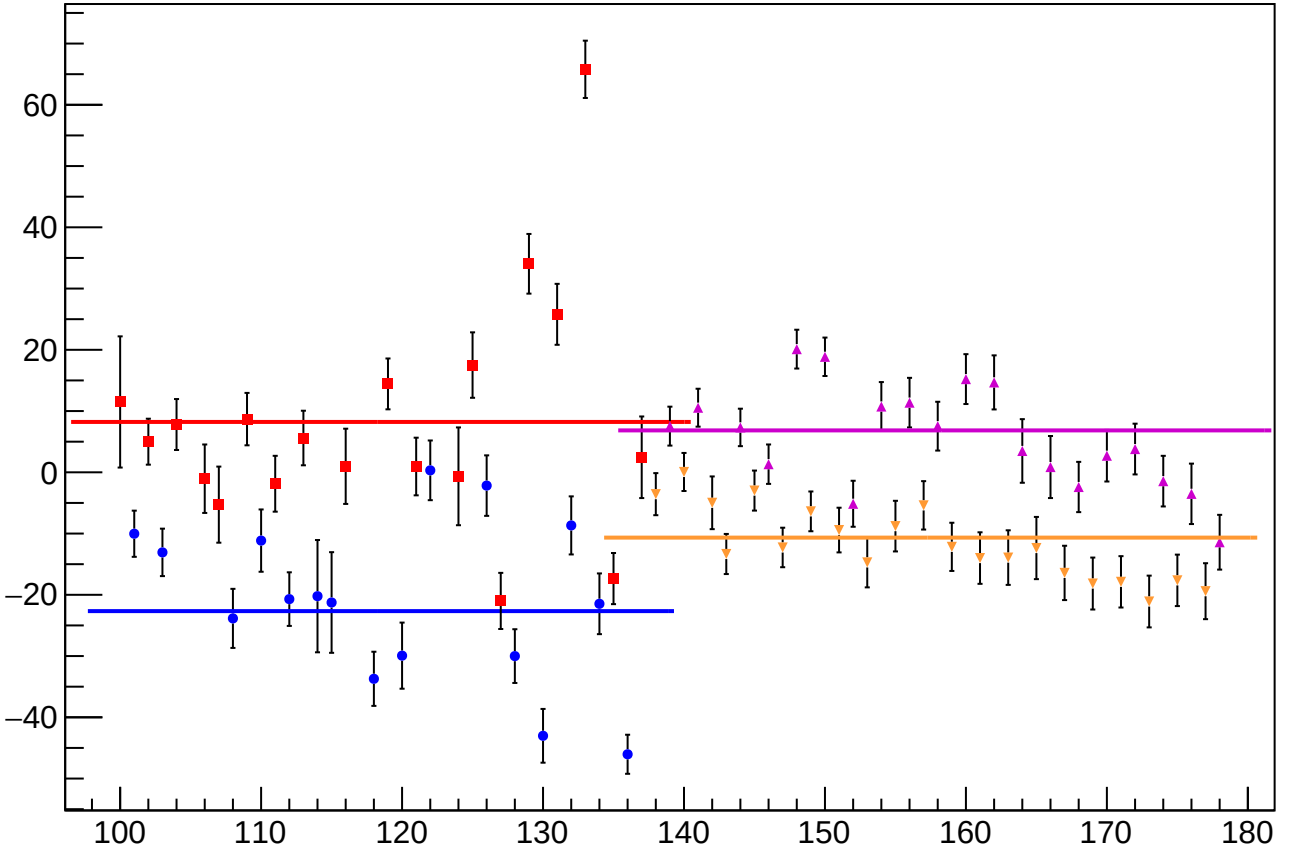
Right: 1822.844+/-0.337 χ^2/NDF: 178262.4/34

In: 1818.120+/-0.266 χ^2/NDF:236066.7/35

Out: 1808.325+/-0.261 χ^2/NDF:254288.7/39

All: 1813.129+/-0.186 χ^2/NDF: 491046.3/75

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: 6.842+/-0.852 χ^2/NDF:89.9/19

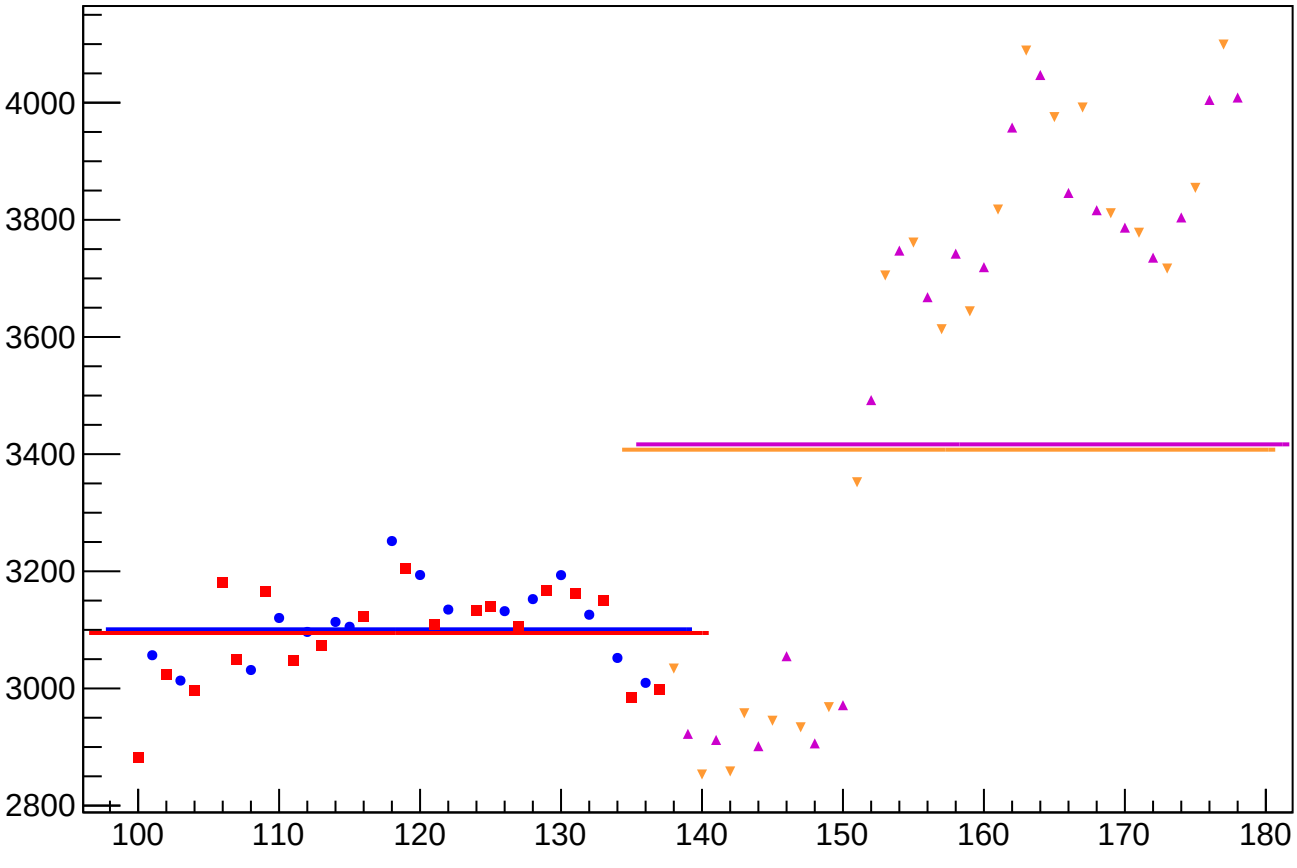
Left: -2.020+/-0.599 χ^2/NDF: 354.5/40

Right: -6.906+/-0.806 χ^2/NDF: 818.8/34

In: -3.593+/-0.685 χ^2/NDF:671.1/35

Out: -3.916+/-0.675 χ^2/NDF:525.7/39

All: -3.757+/-0.481 χ^2/NDF: 1196.9/75



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: 3416.698+/-0.603 χ^2/NDF:523574.5/19

Left: 3412.096+/-0.423 χ^2/NDF: 1078111.3/40

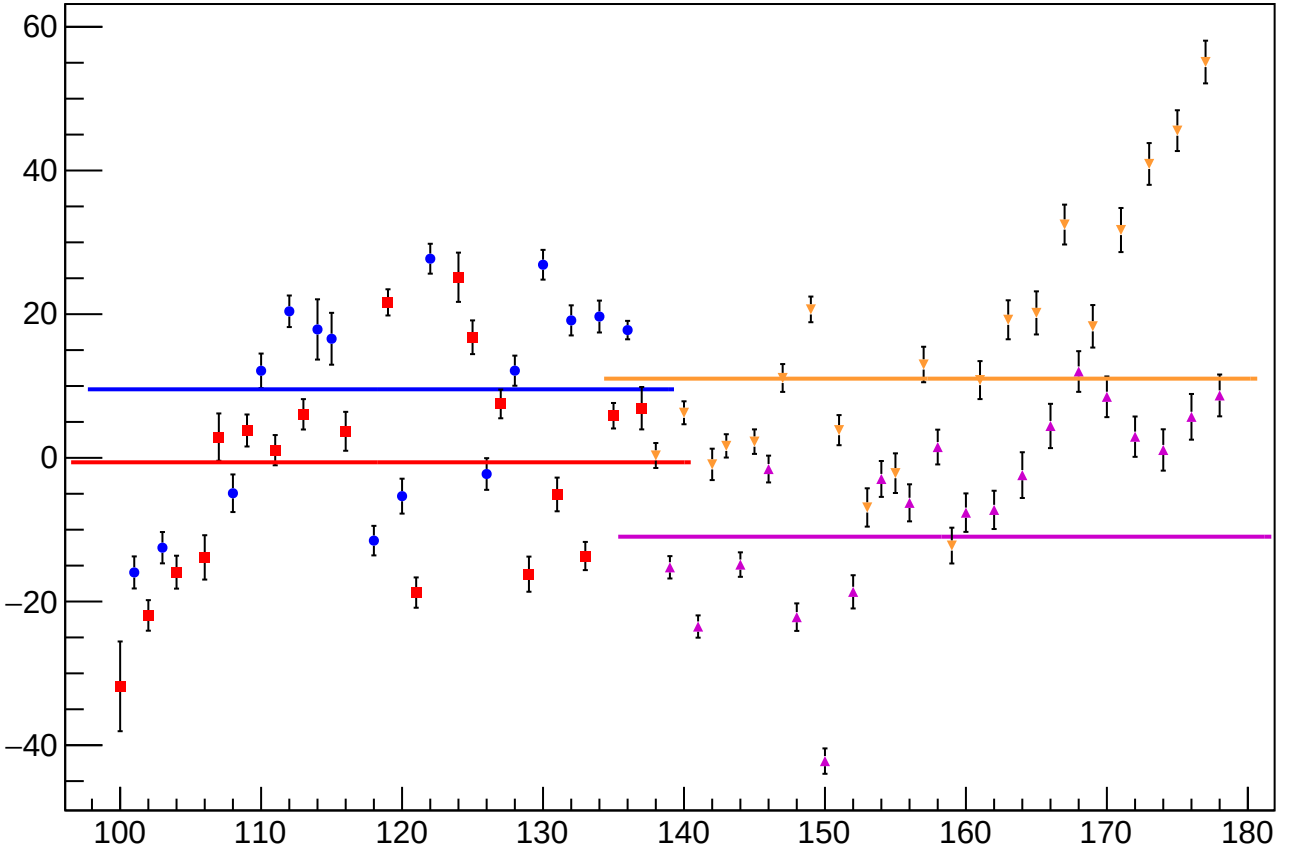
Right: 3097.751+/-0.570 χ^2/NDF: 16508.2/34

In: 3305.022+/-0.484 χ^2/NDF:628593.6/35

Out: 3295.832+/-0.477 χ^2/NDF:661801.0/39

All: 3300.357+/-0.340 χ^2/NDF: 1290577.3/75

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: -10.975+/-0.505 χ^2/NDF:765.3/19

Left: 0.347+/-0.352 χ^2/NDF: 2676.9/40

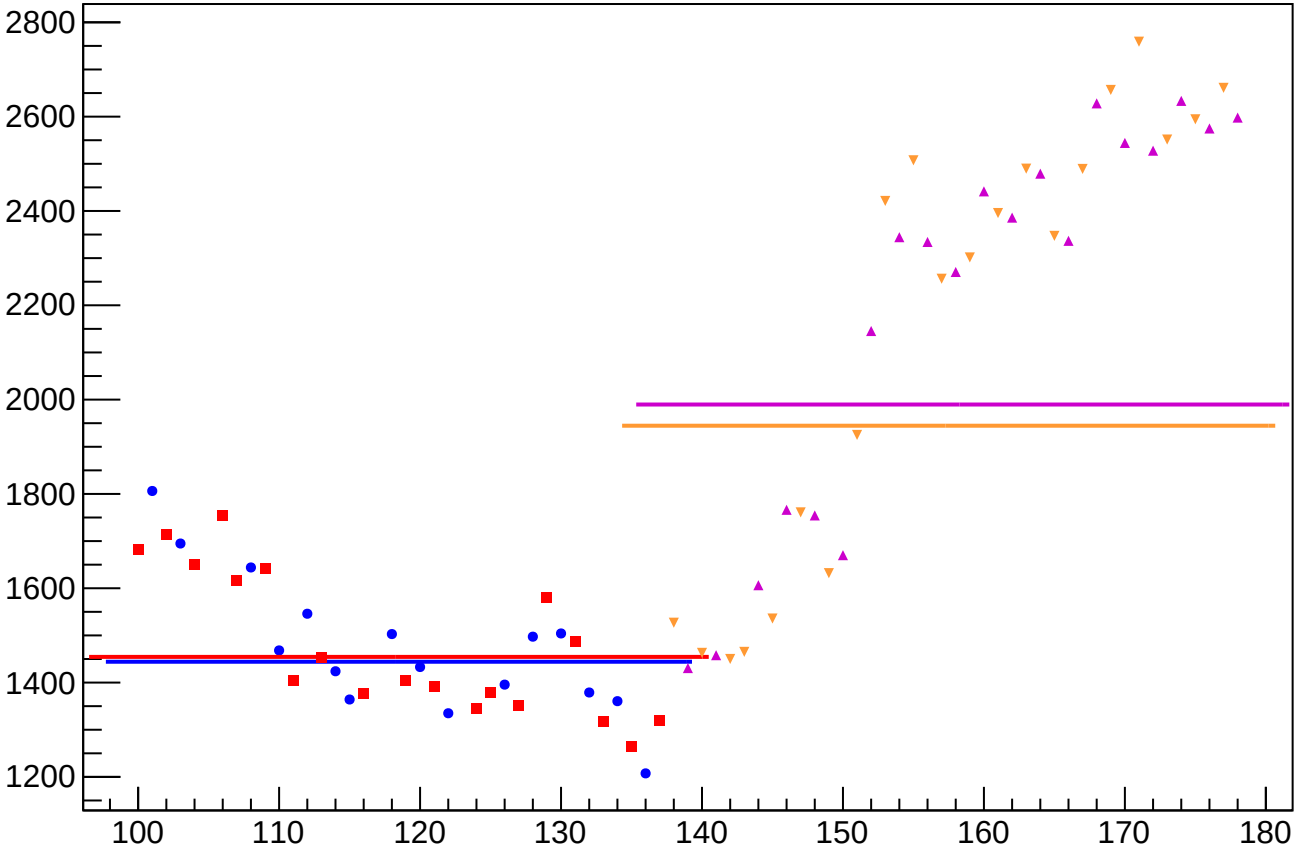
Right: 4.392+/-0.380 χ^2/NDF: 1543.1/34

In: -1.424+/-0.369 χ^2/NDF:2231.7/35

Out: 5.696+/-0.361 χ^2/NDF:1859.2/39

All: 2.214+/-0.258 χ^2/NDF: 4280.9/75

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: 1989.595+/-0.357 χ^2/NDF:1510704.6/19

Left: 1966.462+/-0.249 χ^2/NDF: 3323479.4/40

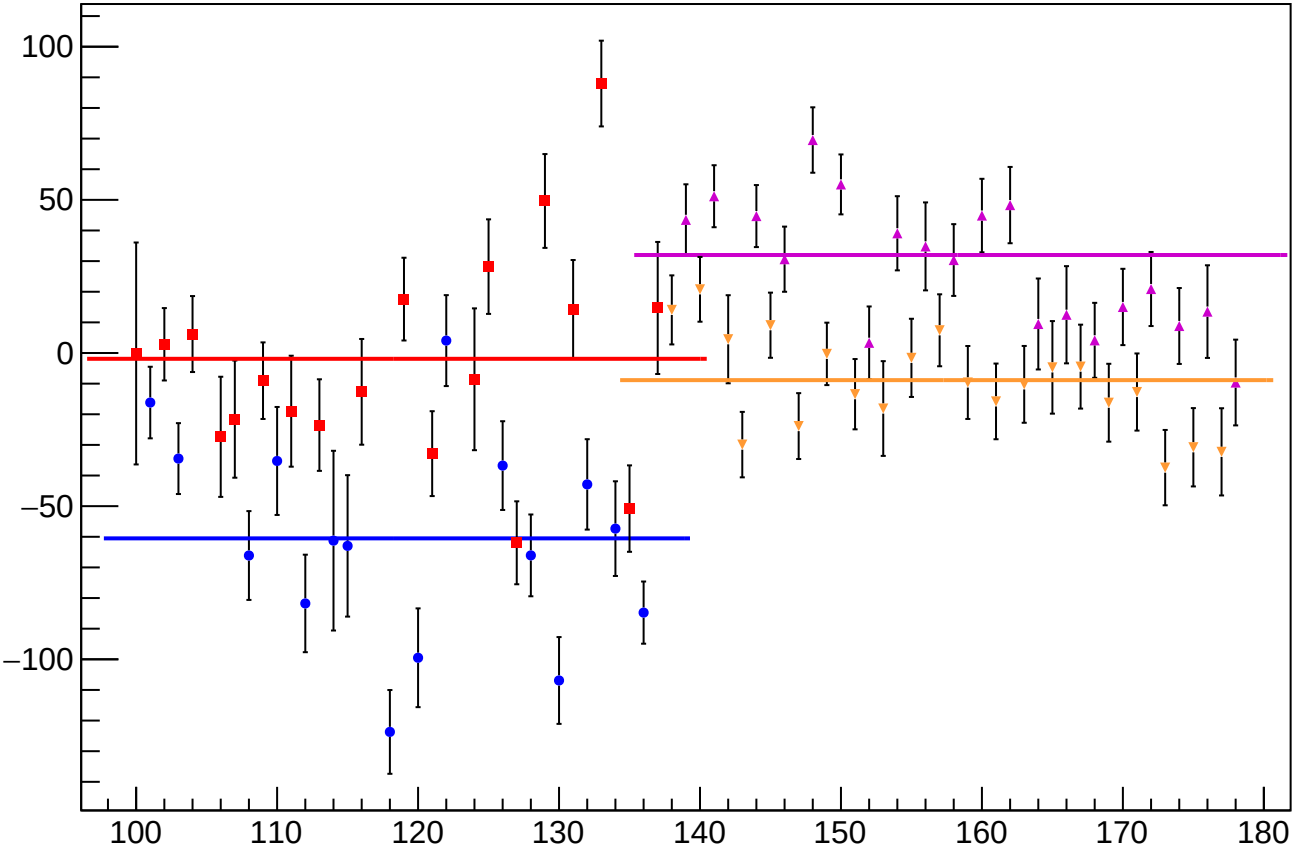
Right: 1449.398+/-0.269 χ^2/NDF: 323286.5/34

In: 1735.690+/-0.261 χ^2/NDF:2776063.0/35

Out: 1720.324+/-0.255 χ^2/NDF:2861017.6/39

All: 1727.839+/-0.183 χ^2/NDF: 5638849.5/75

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: 31.995+/-2.683 χ^2/NDF:58.7/19

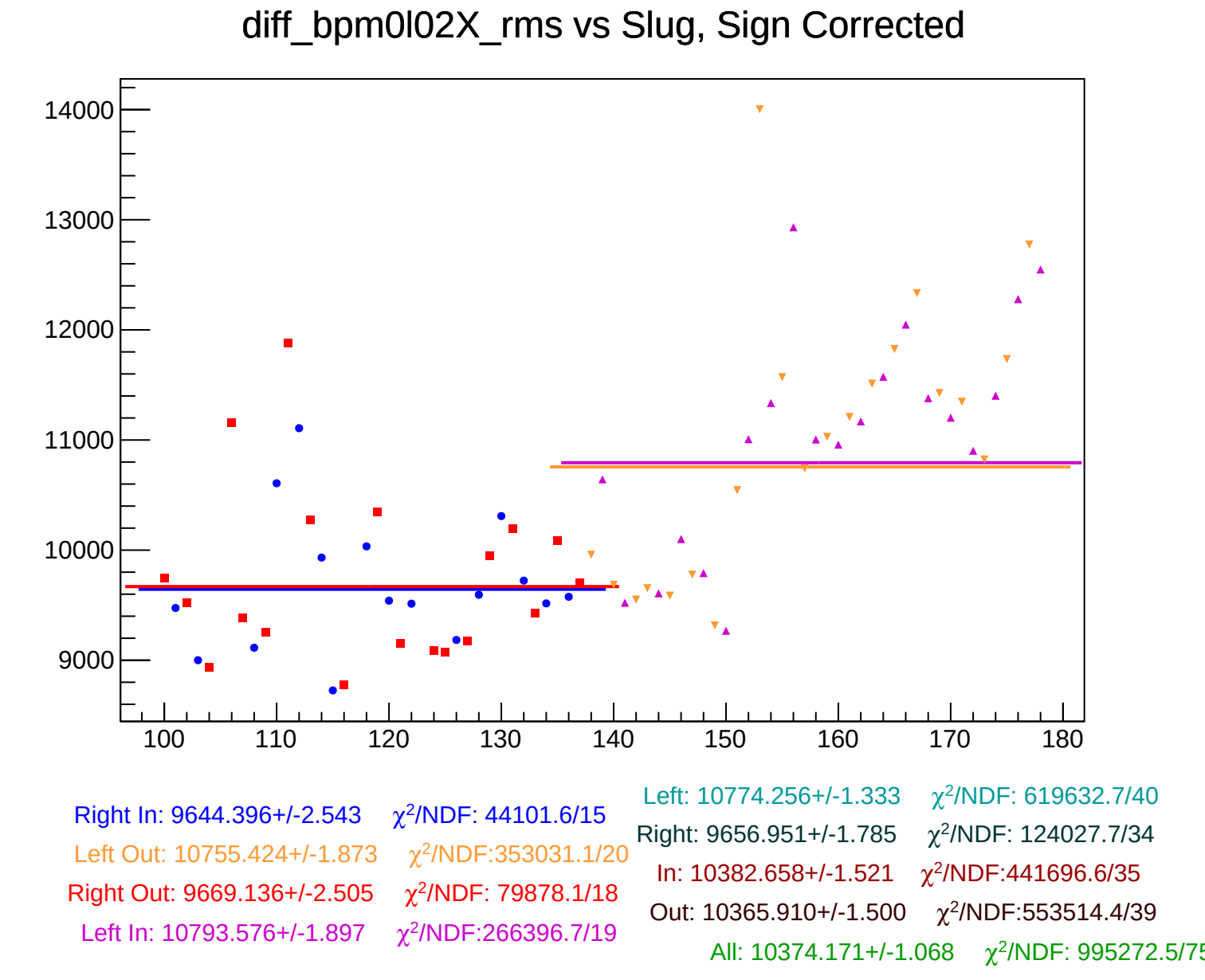
Left: 11.307+/-1.885 χ^2/NDF: 213.1/40

Right: -30.766+/-2.524 χ^2/NDF: 329.0/34

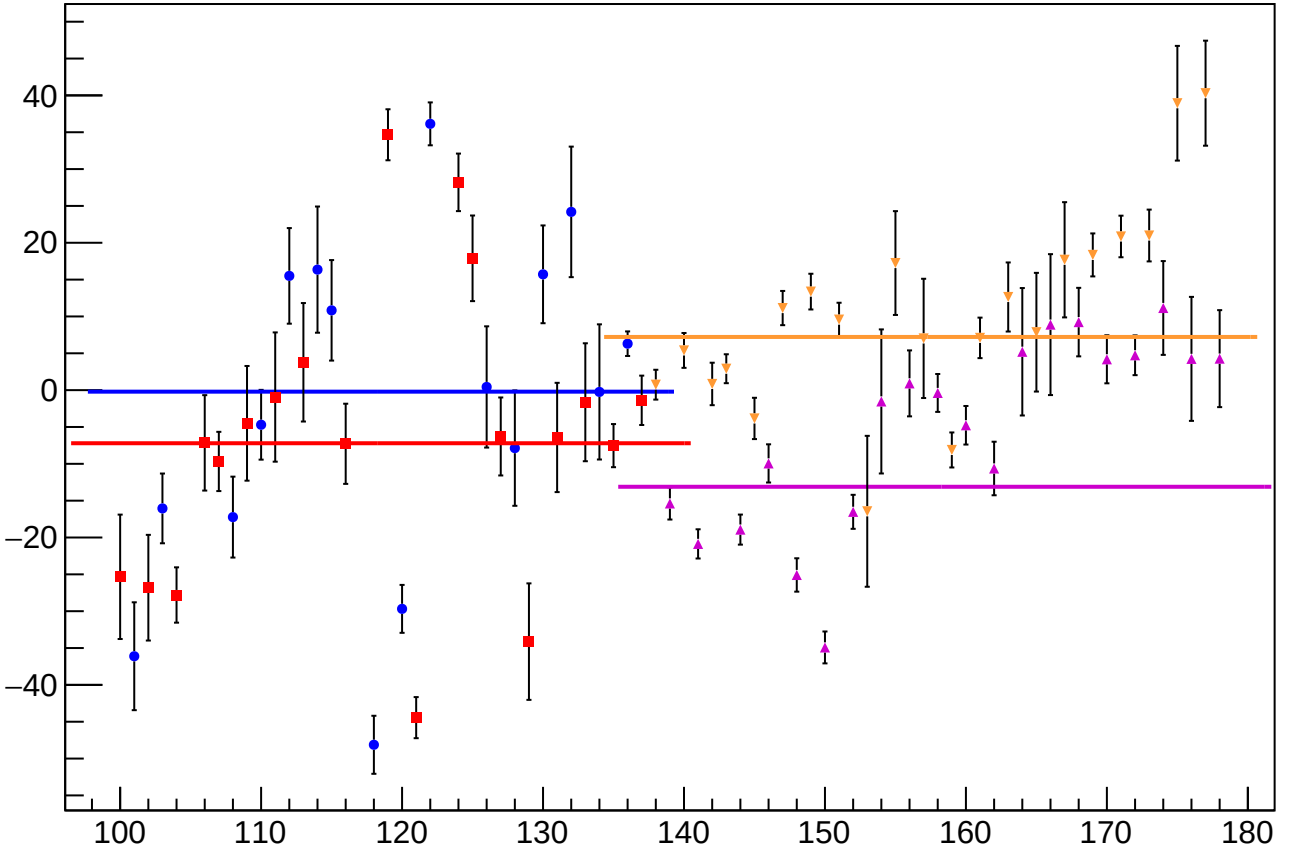
In: -1.085+/-2.150 χ^2/NDF:574.2/35

Out: -6.361+/-2.121 χ^2/NDF:143.3/39

All: -3.758+/-1.510 χ^2/NDF: 720.5/75


diff_bpm0l02X_rms vs Slug, Sign Corrected
14000
13000
12000
11000
10000
9000
100
110
120
130
140
150
160
170
180
Right In: 9644.396+/-2.543 χ²/NDF: 44101.6/15
Left Out: 10755.424+/-1.873 χ²/NDF:353031.1/20
Right Out: 9669.136+/-2.505 χ²/NDF: 79878.1/18
Left In: 10793.576+/-1.897 χ²/NDF:266396.7/19
Left: 10774.256+/-1.333 χ²/NDF: 619632.7/40
Right: 9656.951+/-1.785 χ²/NDF: 124027.7/34
In: 10382.658+/-1.521 χ²/NDF:441696.6/35
Out: 10365.910+/-1.500 χ²/NDF:553514.4/39
All: 10374.171+/-1.068 χ²/NDF: 995272.5/75

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: -13.114+/-0.667 χ^2/NDF:334.5/19

Left: -2.899+/-0.471 χ^2/NDF: 991.2/40

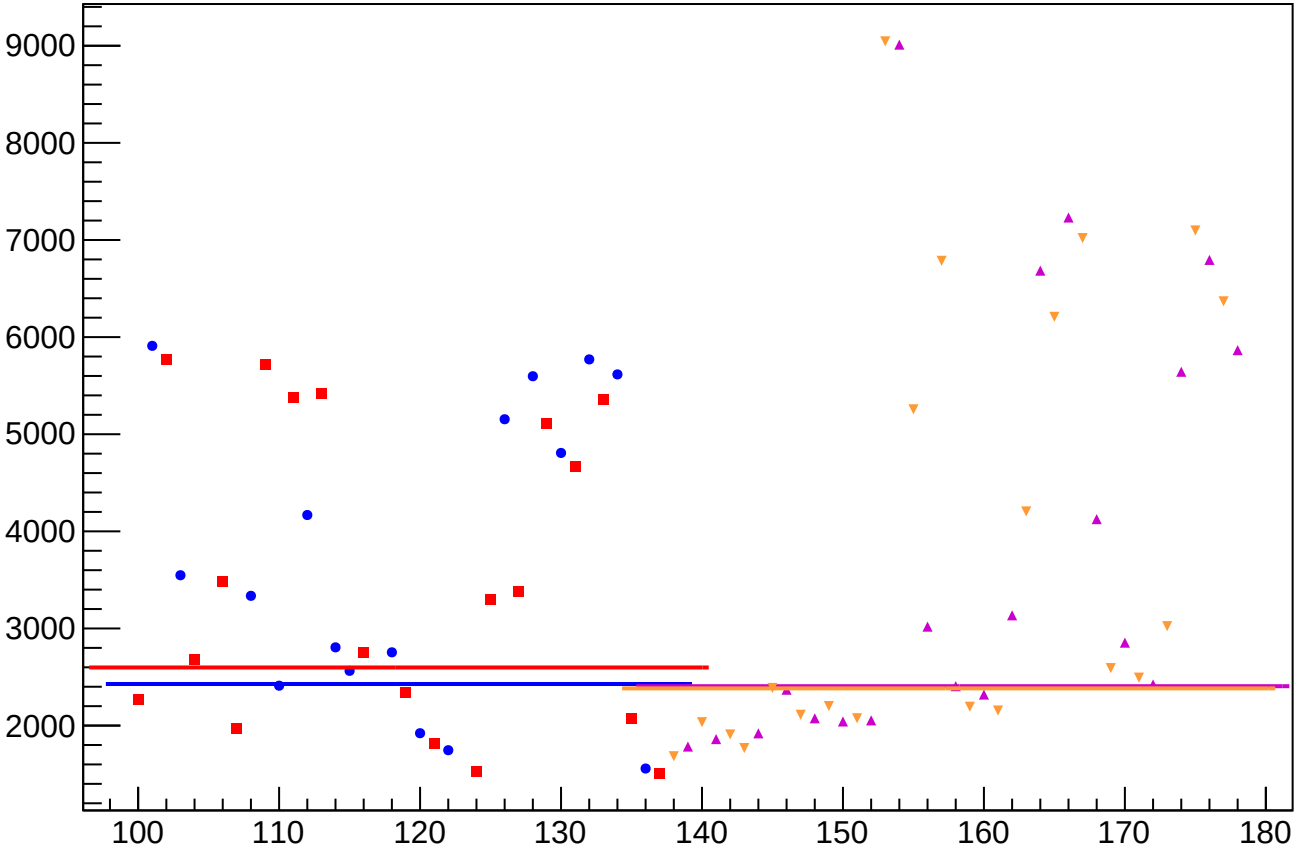
Right: -3.613+/-0.749 χ^2/NDF: 981.2/34

In: -9.378+/-0.562 χ^2/NDF:916.5/35

Out: 3.228+/-0.565 χ^2/NDF:806.3/39

All: -3.101+/-0.398 χ^2/NDF: 1973.0/75

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: 2405.466+/-0.472 χ^2/NDF:4531551.6/19

Left: 2394.301+/-0.333 χ^2/NDF: 9832245.5/40

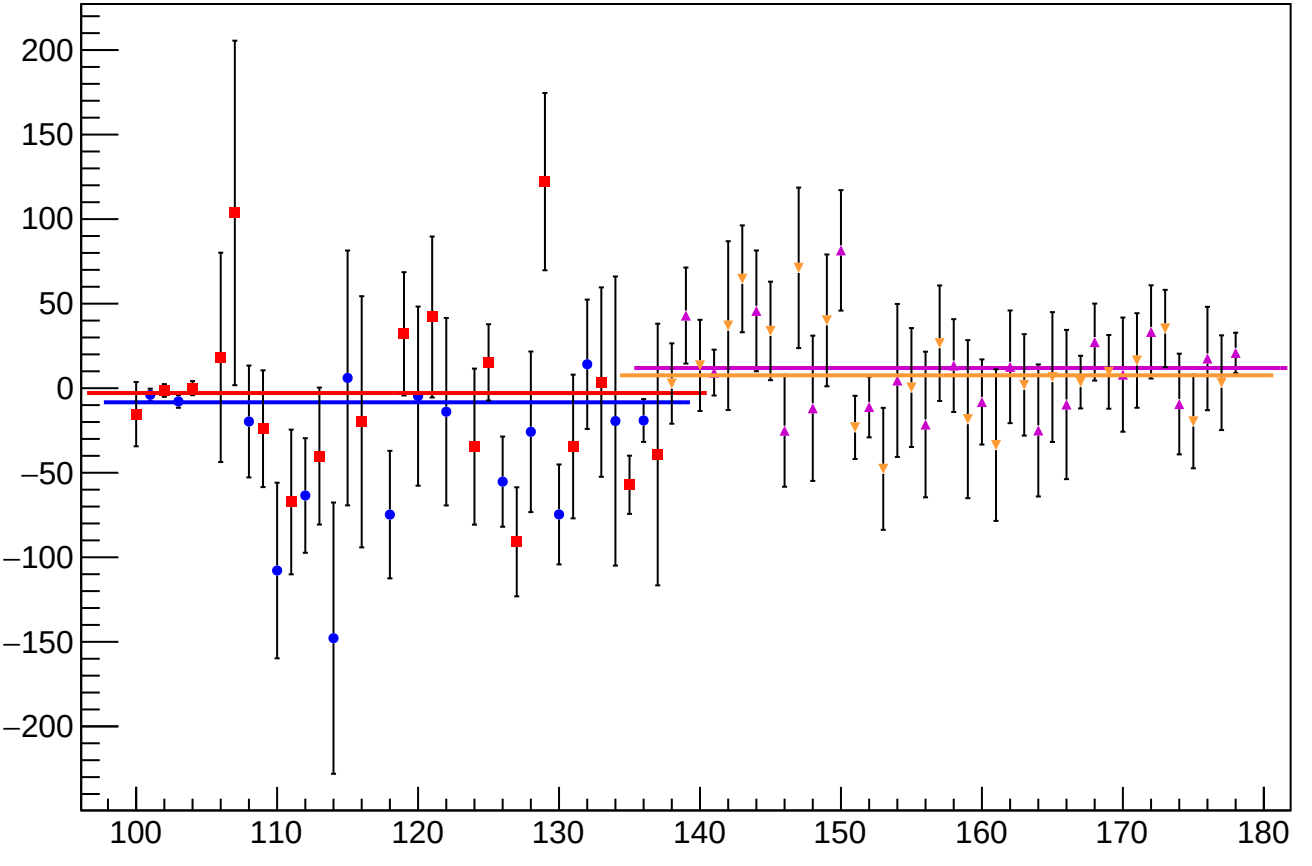
Right: 2510.930+/-0.530 χ^2/NDF: 5356082.2/34

In: 2412.011+/-0.398 χ^2/NDF:7347551.9/35

Out: 2442.743+/-0.399 χ^2/NDF:7872570.9/39

All: 2427.314+/-0.282 χ^2/NDF: 15223096.5/7

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: 11.942+/-5.577 χ^2/NDF:13.7/19

Left: 9.980+/-4.116 χ^2/NDF: 30.2/40

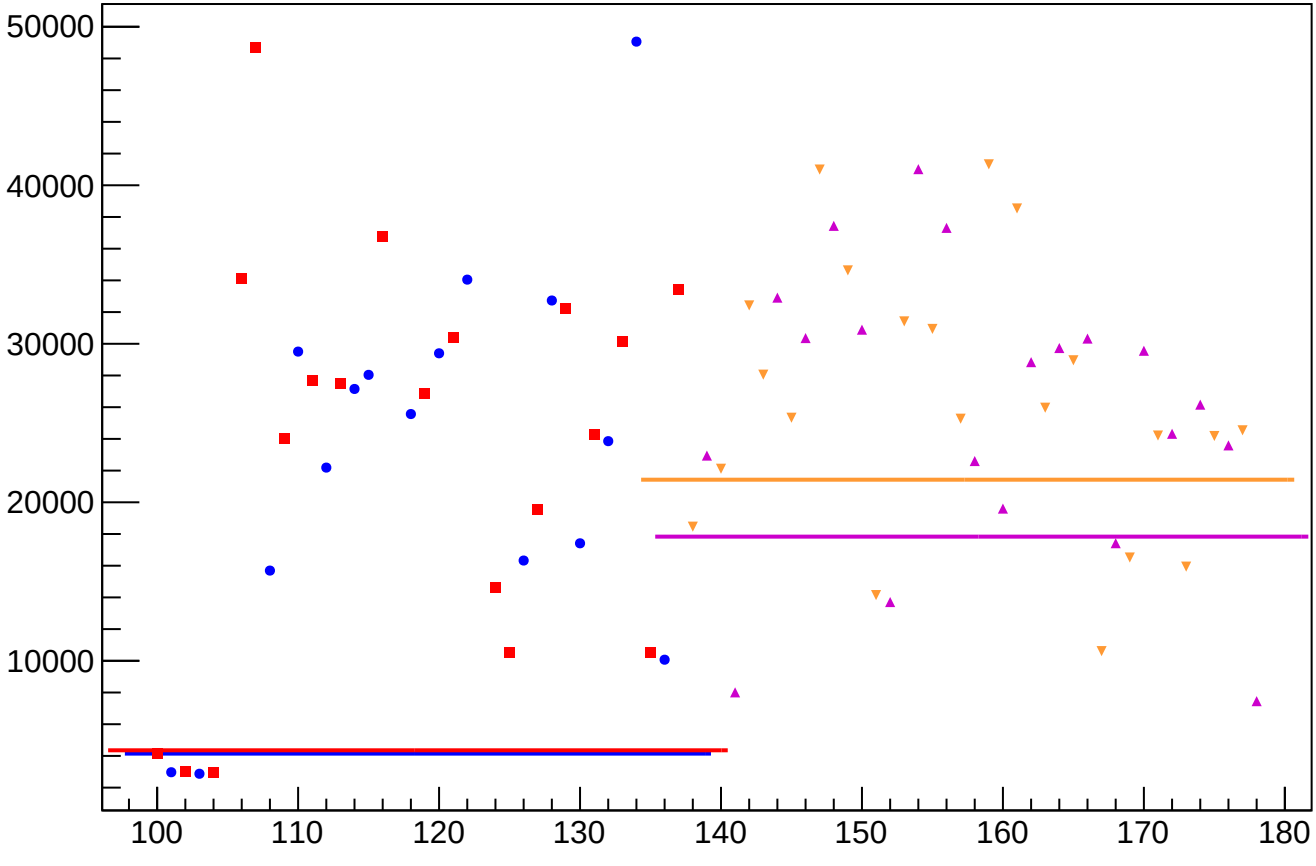
Right: -5.740+/-1.815 χ^2/NDF: 58.3/34

In: -4.942+/-2.281 χ^2/NDF:48.1/35

Out: -1.195+/-2.423 χ^2/NDF:51.4/39

All: -3.181+/-1.661 χ^2/NDF: 100.8/75

diff_bpm0l03X_rms vs Slug, Sign Corrected



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: 17834.177+/-3.944 χ^2/NDF:6210380.6/19

Left: 19469.544+/-2.911 χ^2/NDF: 10061443.9/40

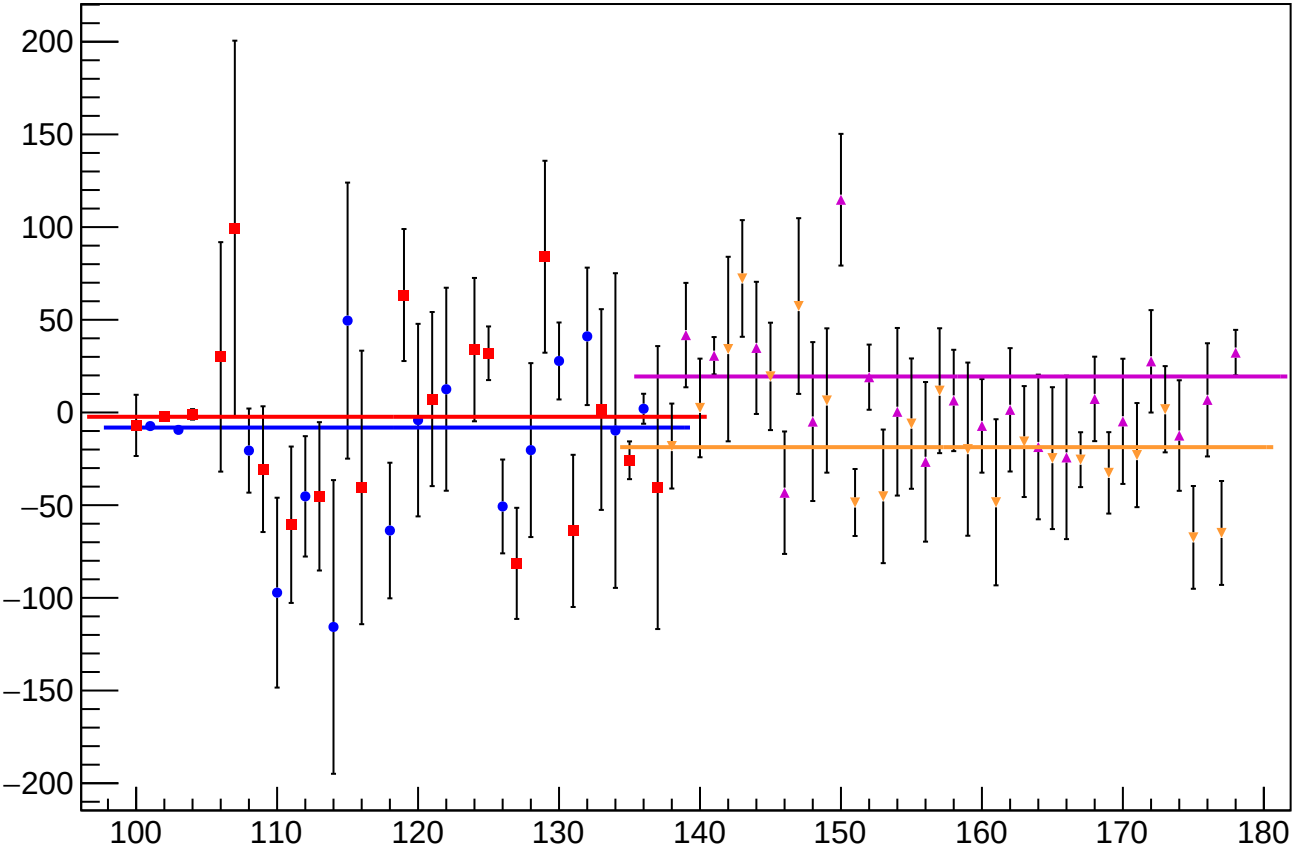
Right: 4244.429+/-1.283 χ^2/NDF: 14468301.6/34

In: 6435.055+/-1.613 χ^2/NDF:23079971.5/35

Out: 7046.623+/-1.713 χ^2/NDF:24291184.0/39

All: 6722.432+/-1.174 χ^2/NDF: 47438724.3/7

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: 19.415+/-5.243 χ^2/NDF:21.4/19

Left: 2.961+/-3.952 χ^2/NDF: 71.0/40

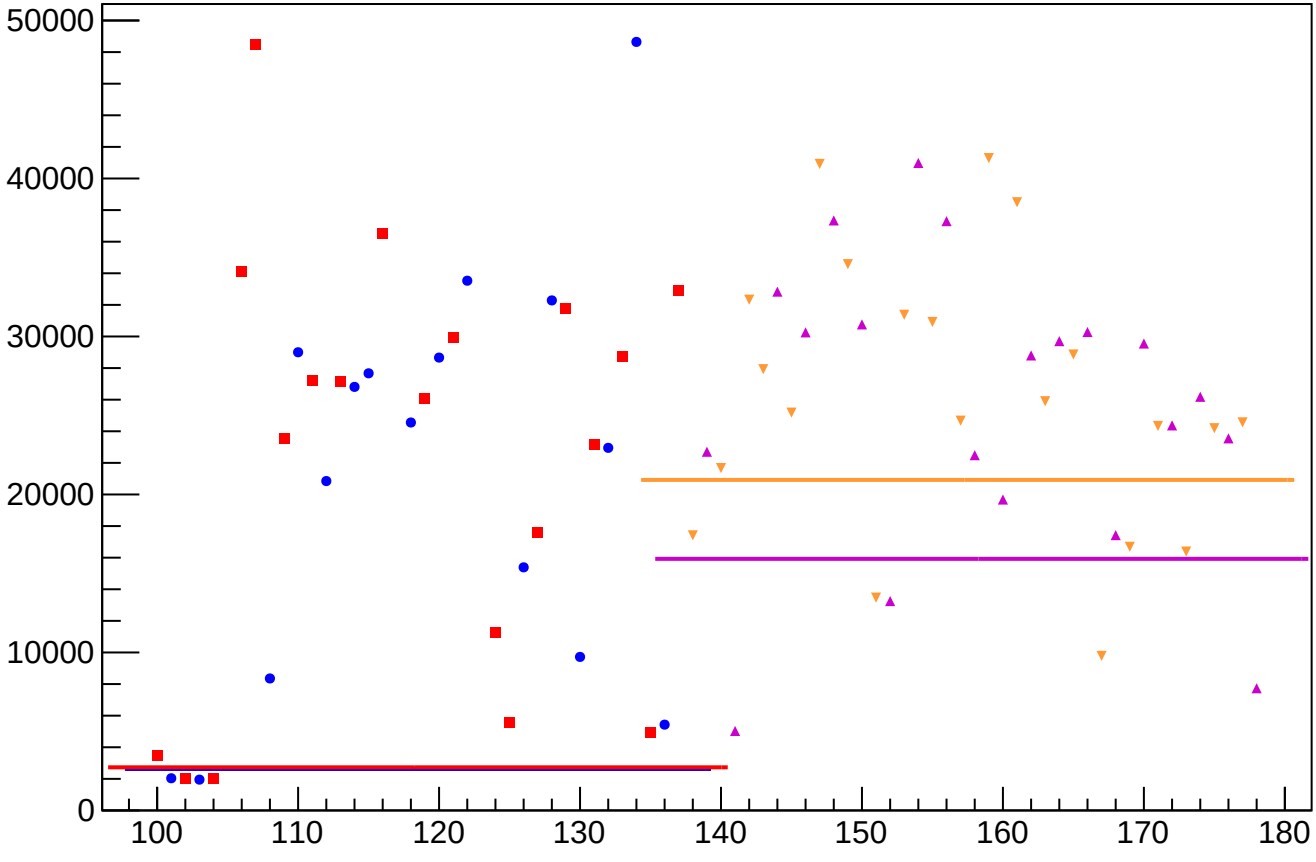
Right: -5.394+/-1.251 χ^2/NDF: 57.5/34

In: -5.454+/-1.635 χ^2/NDF:65.4/35

Out: -3.701+/-1.743 χ^2/NDF:66.6/39

All: -4.634+/-1.192 χ^2/NDF: 132.6/75

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: 15924.509+/-3.707 χ^2/NDF:7983423.3/19

Left: 18081.639+/-2.795 χ^2/NDF: 12563794.6/40

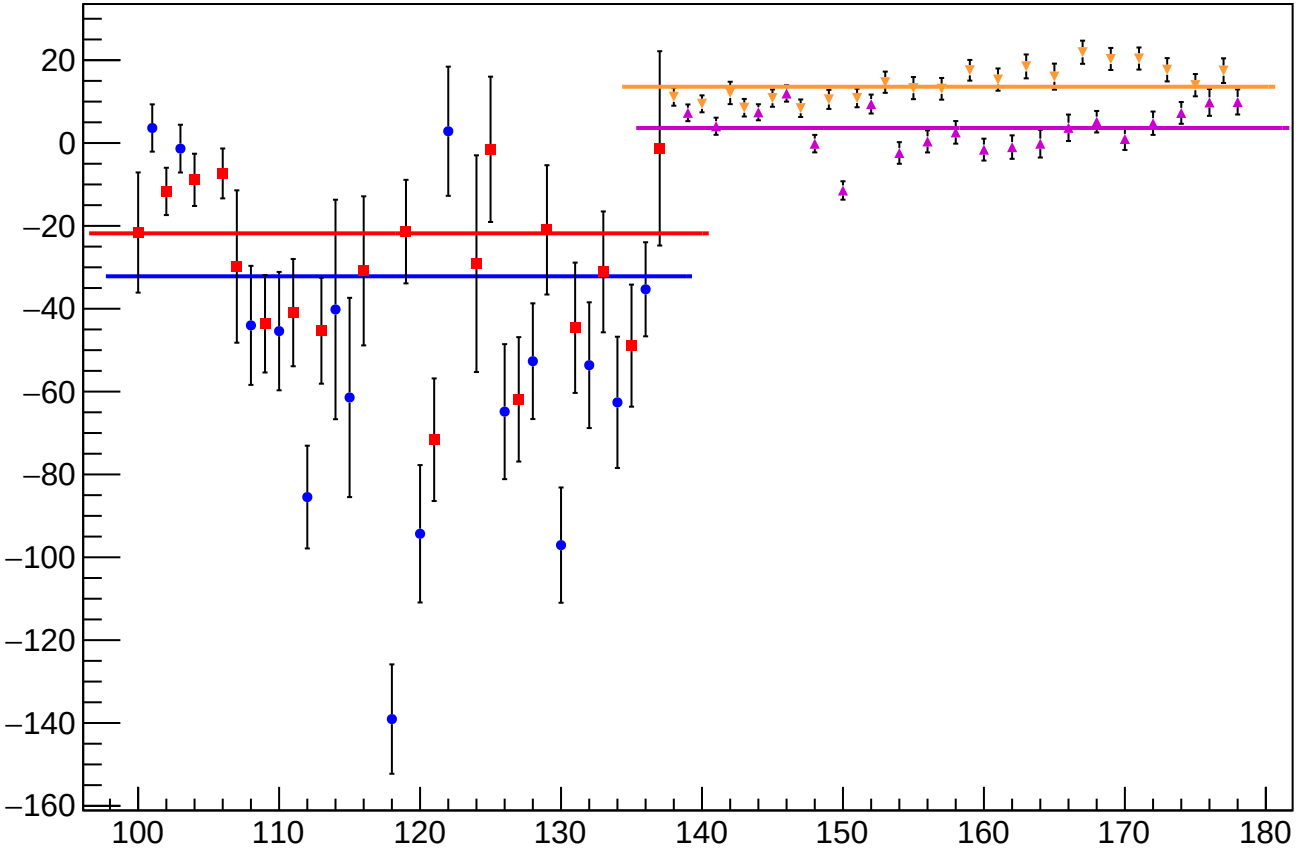
Right: 2675.367+/-0.884 χ^2/NDF: 14770301.6/34

In: 3919.140+/-1.156 χ^2/NDF:26380563.7/35

Out: 4258.197+/-1.233 χ^2/NDF:28534417.9/39

All: 4077.755+/-0.843 χ^2/NDF: 54955235.3/7

diff_bpm0l04X_mean vs Slug, Sign Corrected



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: 3.637+/-0.553 χ^2/NDF:106.9/19

Left: 8.713+/-0.387 χ^2/NDF: 326.4/40

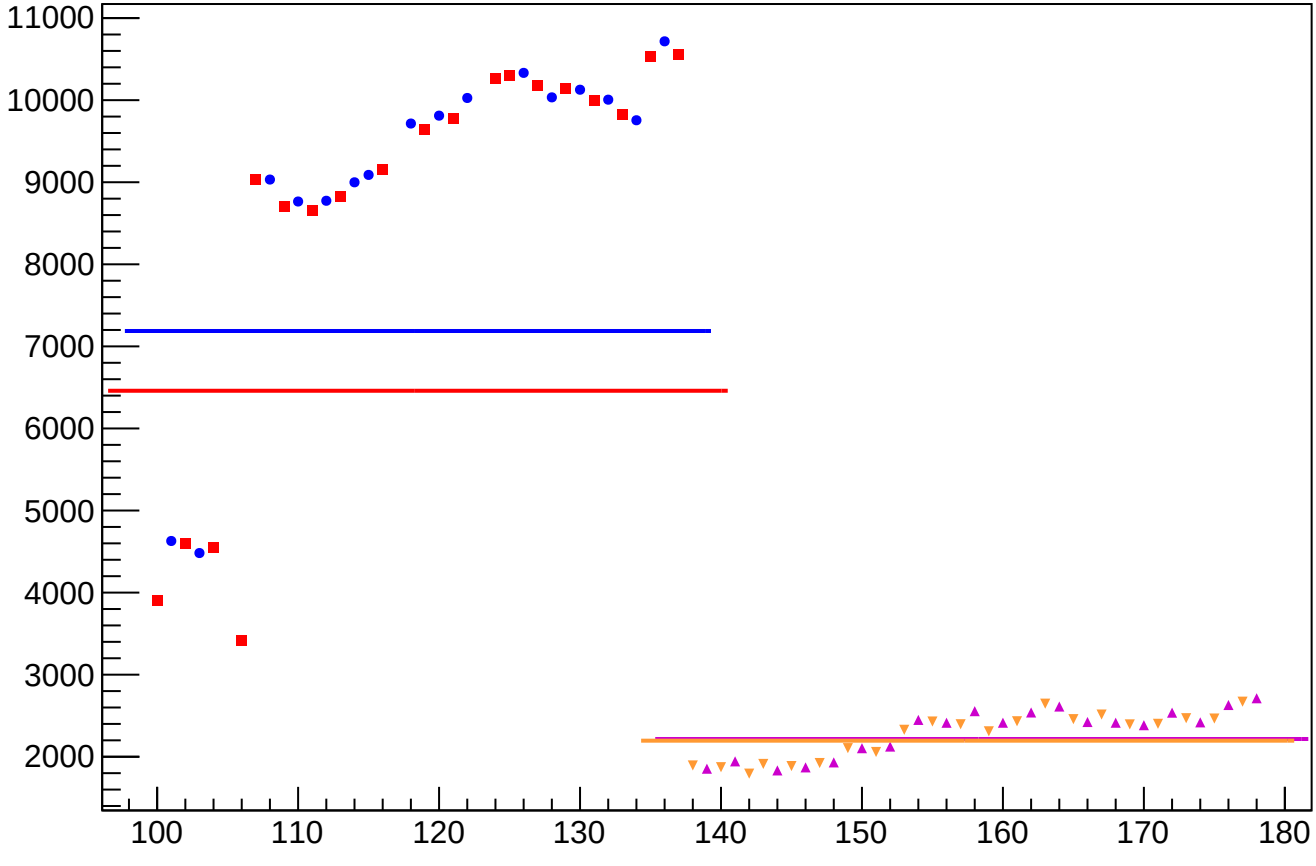
Right: -26.441+/-1.901 χ^2/NDF: 264.2/34

In: 2.328+/-0.543 χ^2/NDF:467.7/35

Out: 12.063+/-0.530 χ^2/NDF:286.9/39

All: 7.312+/-0.379 χ^2/NDF: 919.0/75

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: 2216.312+/-0.391 χ^2/NDF:559545.3/19

Left: 2205.864+/-0.274 χ^2/NDF: 1071950.0/40

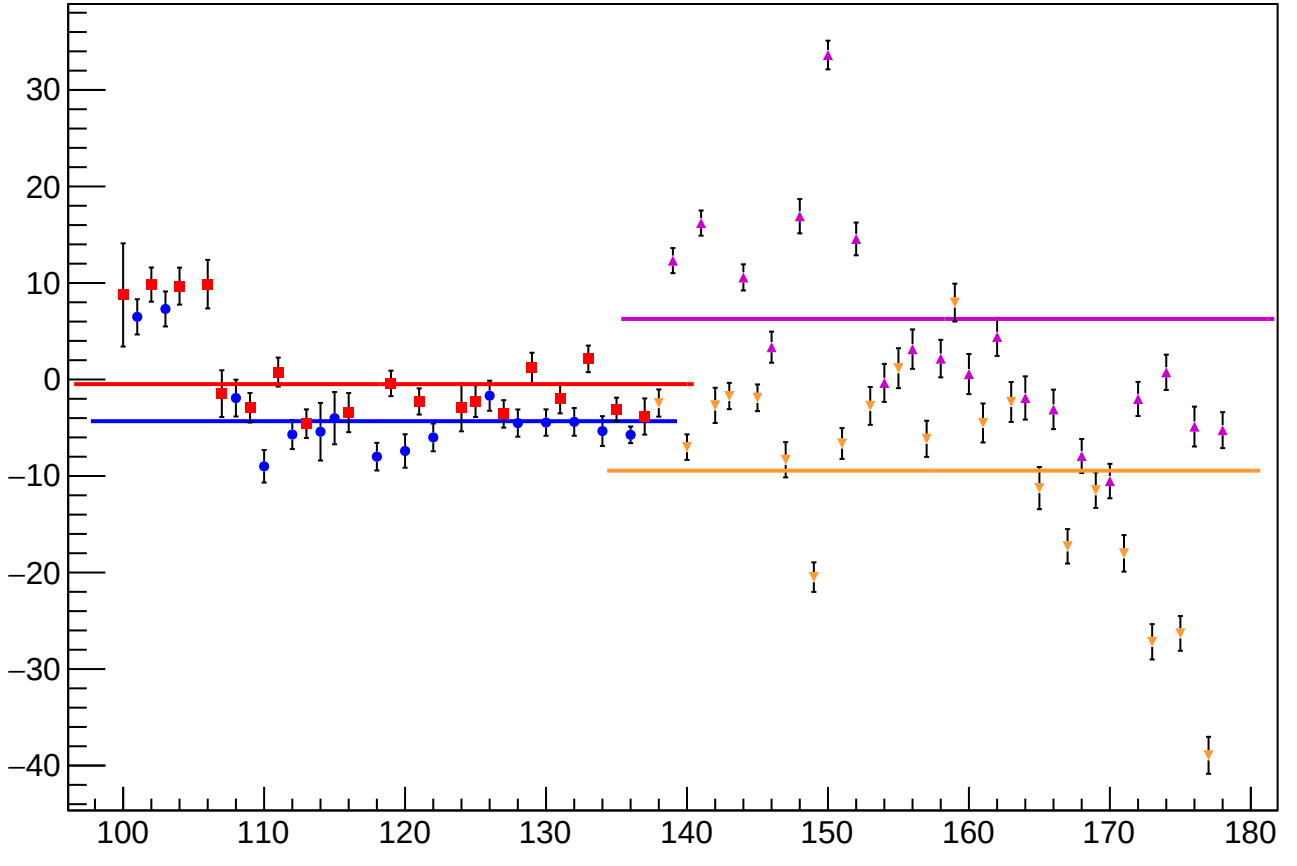
Right: 6785.150+/-1.344 χ^2/NDF: 4054781.5/34

In: 2397.931+/-0.384 χ^2/NDF:8162024.9/35

Out: 2379.177+/-0.375 χ^2/NDF:8107176.1/39

All: 2388.329+/-0.268 χ^2/NDF: 16270421.7/7

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: 6.273+/-0.386 χ^2/NDF:804.8/19

Left: -1.788+/-0.270 χ^2/NDF: 2410.8/40

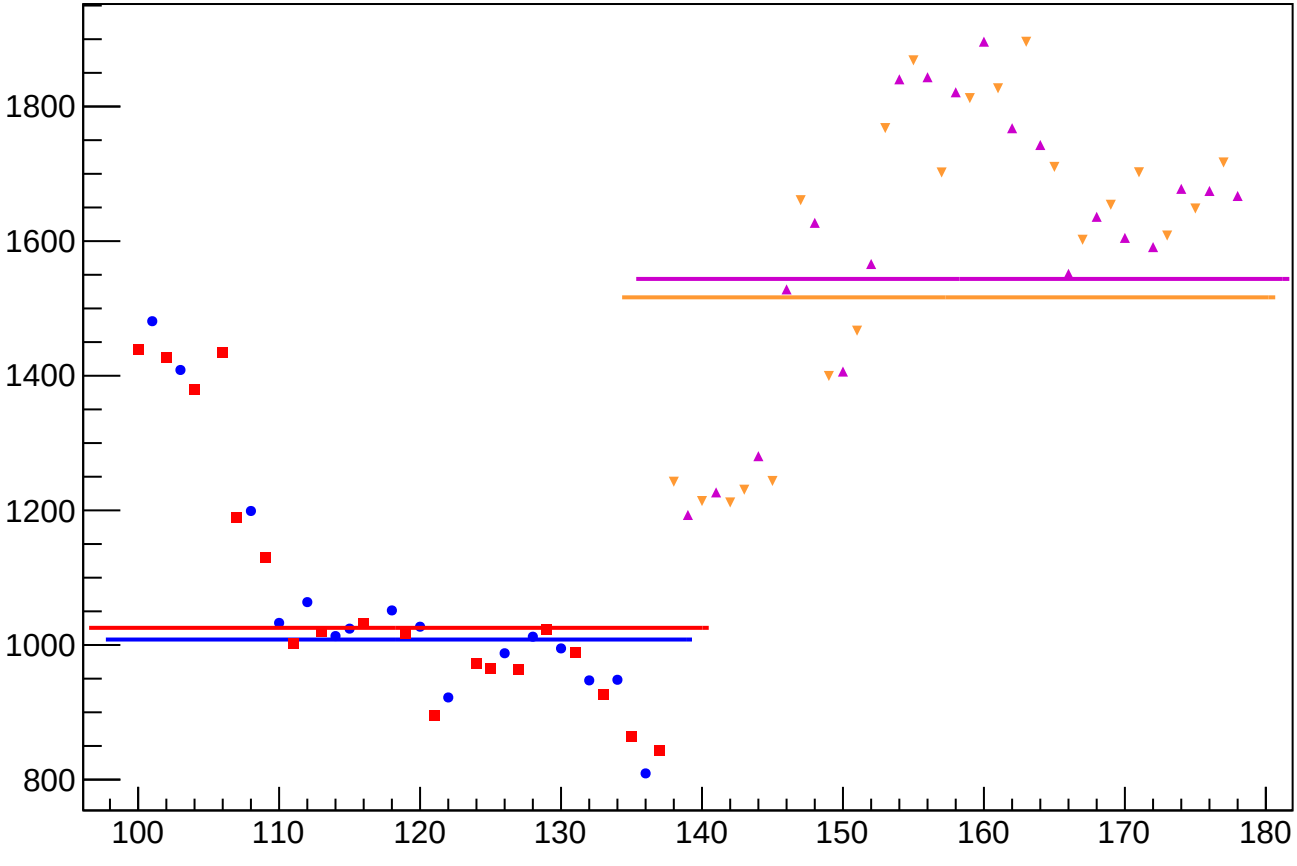
Right: -2.394+/-0.268 χ^2/NDF: 272.1/34

In: 0.885+/-0.271 χ^2/NDF:1290.6/35

Out: -4.987+/-0.267 χ^2/NDF:1156.5/39

All: -2.093+/-0.190 χ^2/NDF: 2685.4/75

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: 1543.857+/-0.273 χ^2/NDF:627119.7/19

Left: 1529.827+/-0.191 χ^2/NDF: 1419281.9/40

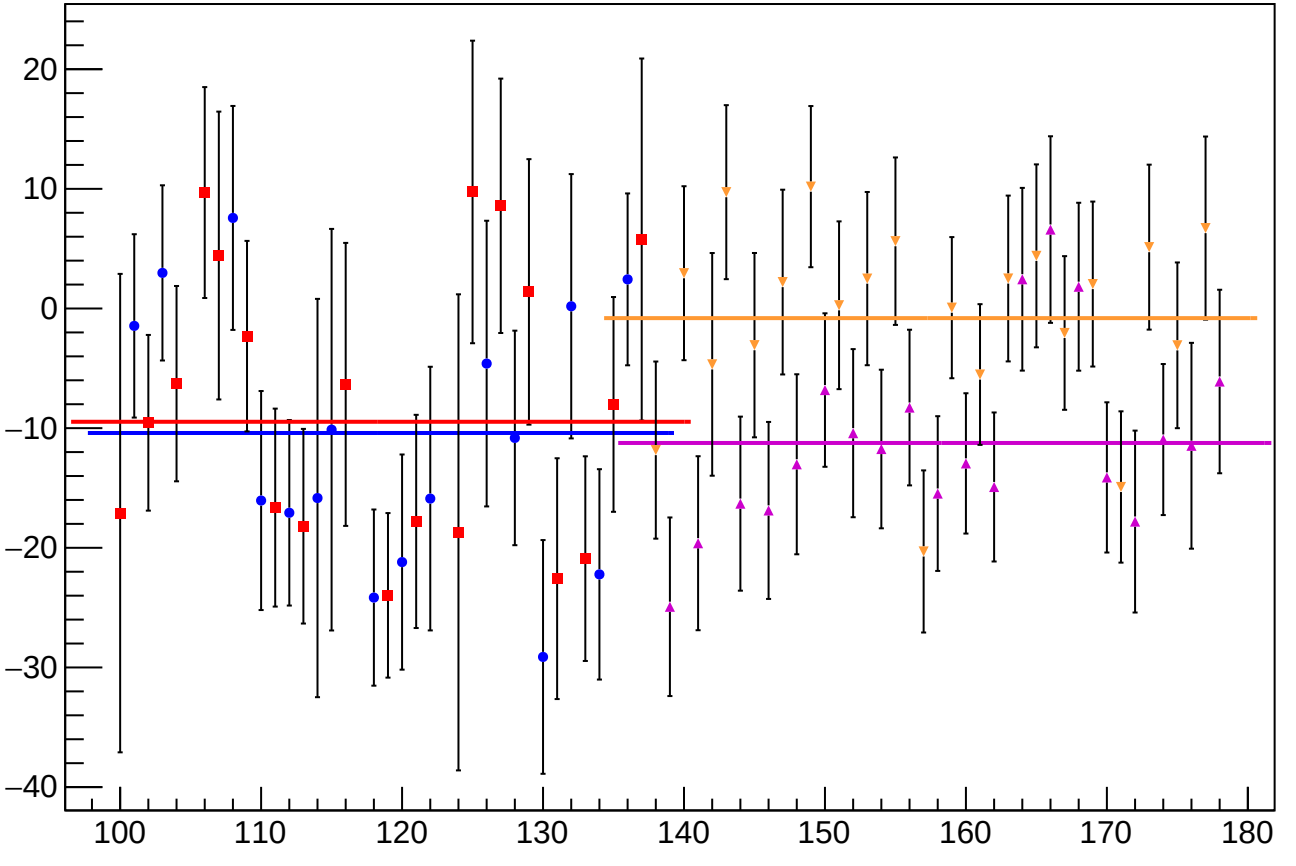
Right: 1016.826+/-0.190 χ^2/NDF: 726925.8/34

In: 1271.334+/-0.192 χ^2/NDF:2961743.0/35

Out: 1272.327+/-0.189 χ^2/NDF:2823643.1/39

All: 1271.837+/-0.134 χ^2/NDF: 5785399.7/75

diff_bpm0l05X_mean vs Slug, Sign Corrected



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: -11.238+/-1.555 χ^2/NDF:20.7/19

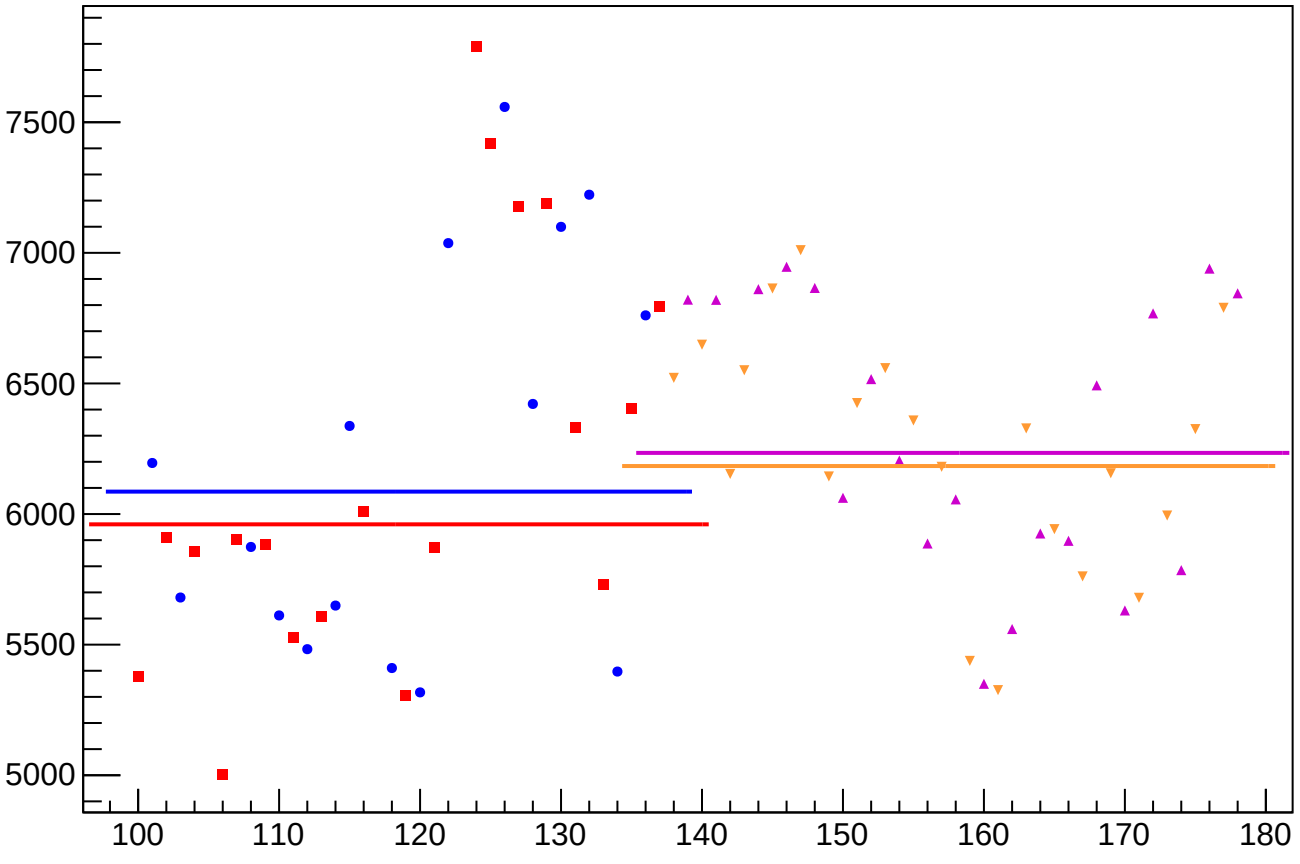
Left: -5.922+/-1.089 χ^2/NDF: 69.0/40

Right: -9.917+/-1.580 χ^2/NDF: 50.1/34

In: -10.973+/-1.285 χ^2/NDF:45.4/35

Out: -3.633+/-1.252 χ^2/NDF:61.3/39

All: -7.208+/-0.897 χ^2/NDF: 123.4/75



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: 6234.122+/-1.099 χ^2/NDF:227999.3/19

Left: 6208.477+/-0.770 χ^2/NDF: 407749.1/40

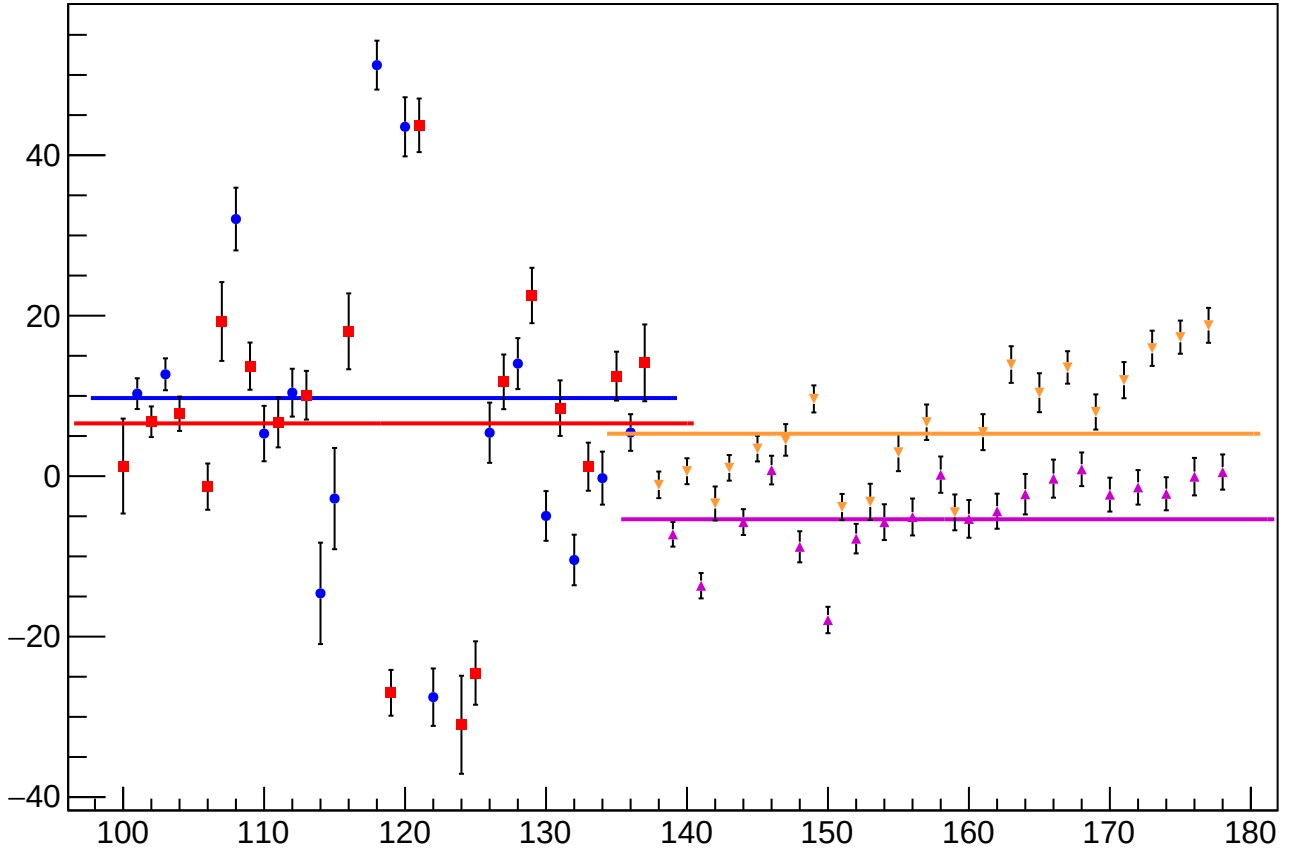
Right: 6020.747+/-1.117 χ^2/NDF: 345029.9/34

In: 6187.068+/-0.908 χ^2/NDF:412889.9/35

Out: 6110.932+/-0.885 χ^2/NDF:355432.7/39

All: 6148.018+/-0.634 χ^2/NDF: 771926.3/75

diff_bpm0l05Y_mean vs Slug, Sign Corrected



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: -5.375+/-0.444 χ^2/NDF:145.6/19

Left: 0.126+/-0.309 χ^2/NDF: 705.8/40

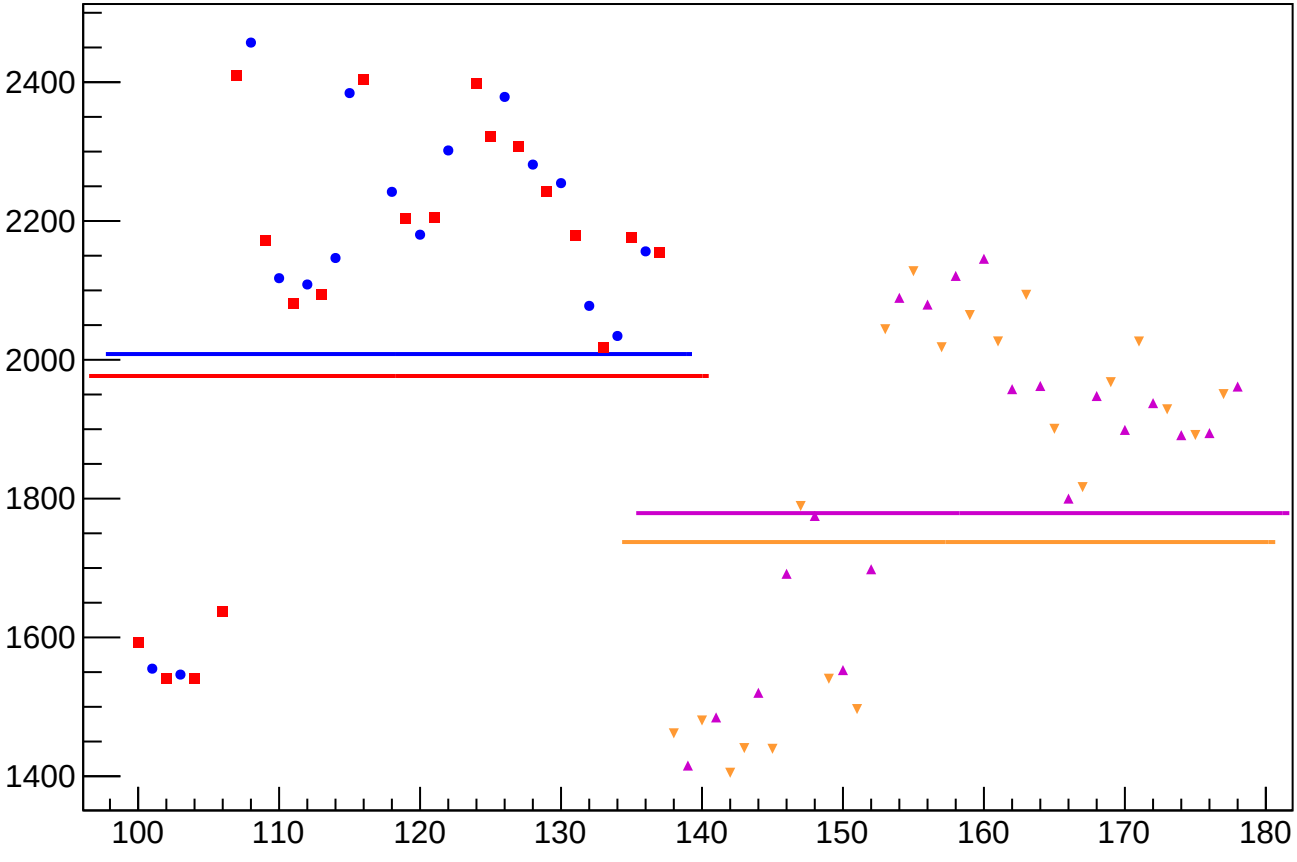
Right: 8.102+/-0.525 χ^2/NDF: 945.2/34

In: -1.485+/-0.383 χ^2/NDF:955.3/35

Out: 5.623+/-0.371 χ^2/NDF:689.3/39

All: 2.182+/-0.267 χ^2/NDF: 1822.3/75

diff_bpm0l05Y_rms vs Slug, Sign Corrected



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: 1779.092+/-0.314 χ^2/NDF:525769.3/19

Left: 1757.607+/-0.219 χ^2/NDF: 1263148.8/40

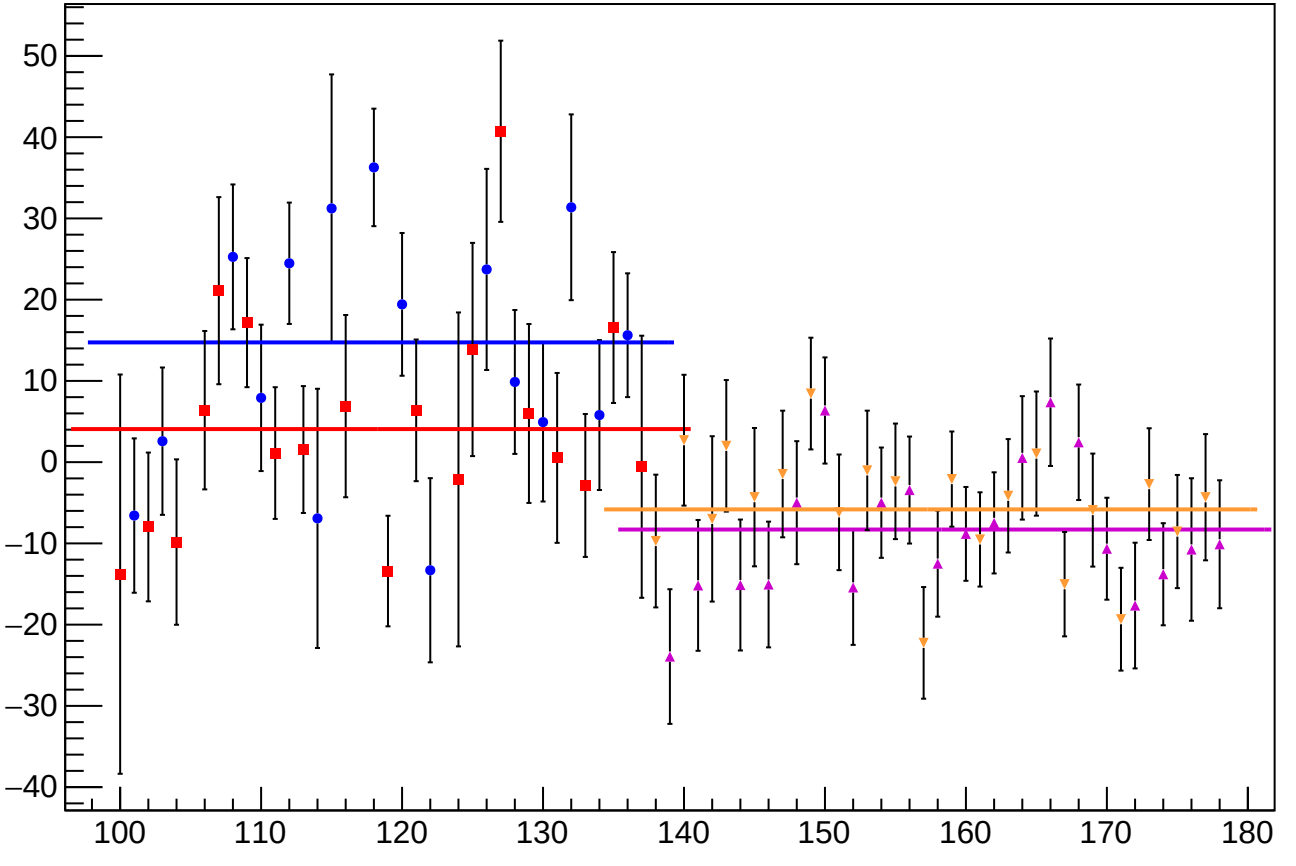
Right: 1991.963+/-0.371 χ^2/NDF: 711574.8/34

In: 1838.097+/-0.271 χ^2/NDF:1007056.6/35

Out: 1799.183+/-0.262 χ^2/NDF:1252924.5/39

All: 1818.022+/-0.188 χ^2/NDF: 2270630.2/75

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: -8.293+/-1.587 χ^2/NDF:23.4/19

Left: -7.033+/-1.113 χ^2/NDF: 46.6/40

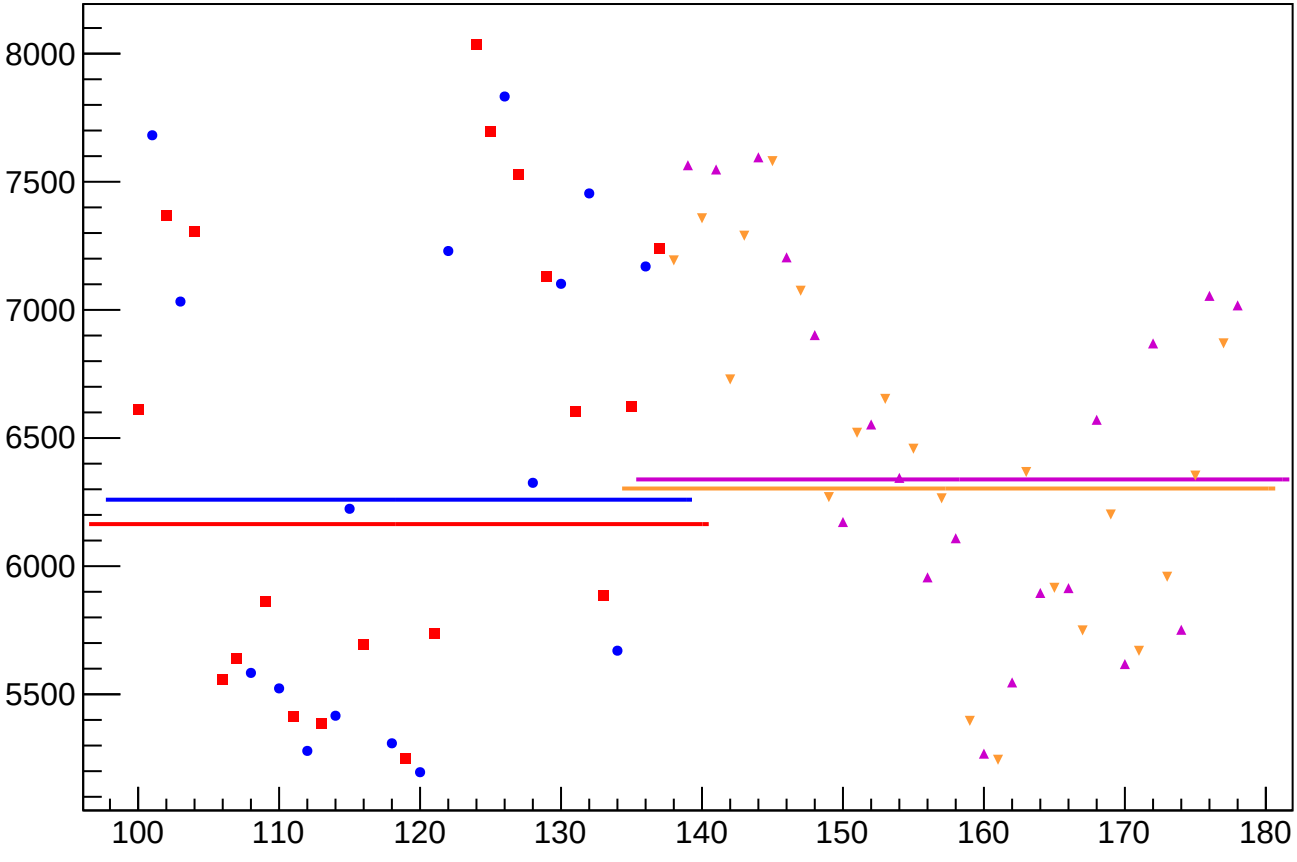
Right: 9.212+/-1.637 χ^2/NDF: 74.3/34

In: -1.110+/-1.317 χ^2/NDF:122.5/35

Out: -2.650+/-1.287 χ^2/NDF:65.0/39

All: -1.897+/-0.920 χ^2/NDF: 188.3/75

diff_bpm0l06X_rms vs Slug, Sign Corrected



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: 6338.480+/-1.122 χ^2/NDF:383363.8/19

Left: 6320.459+/-0.787 χ^2/NDF: 718082.1/40

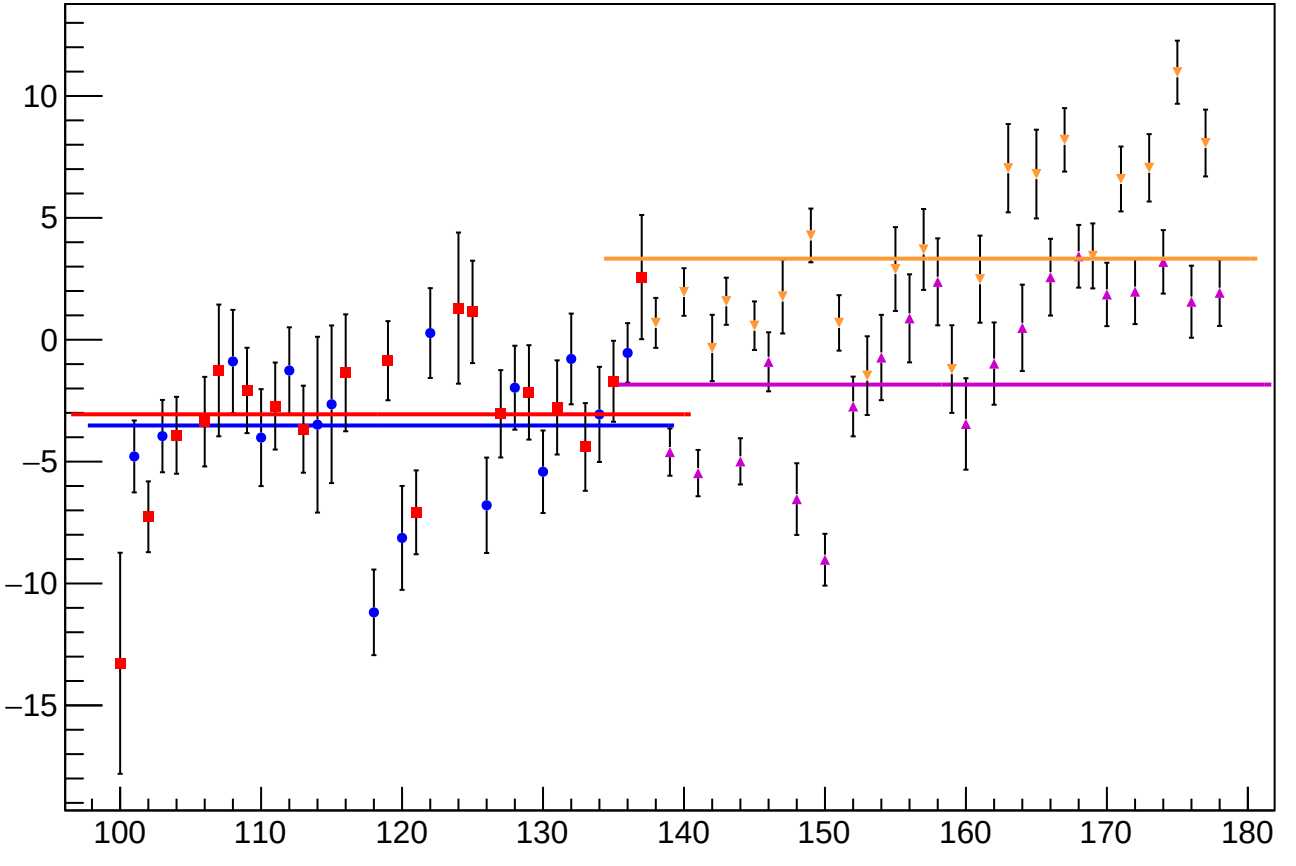
Right: 6210.053+/-1.157 χ^2/NDF: 575357.6/34

In: 6313.820+/-0.931 χ^2/NDF:693518.3/35

Out: 6258.564+/-0.910 χ^2/NDF:604343.6/39

All: 6285.555+/-0.651 χ^2/NDF: 1299663.8/75

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: -1.840+/-0.293 χ^2/NDF:170.5/19

Left: 0.819+/-0.204 χ^2/NDF: 461.7/40

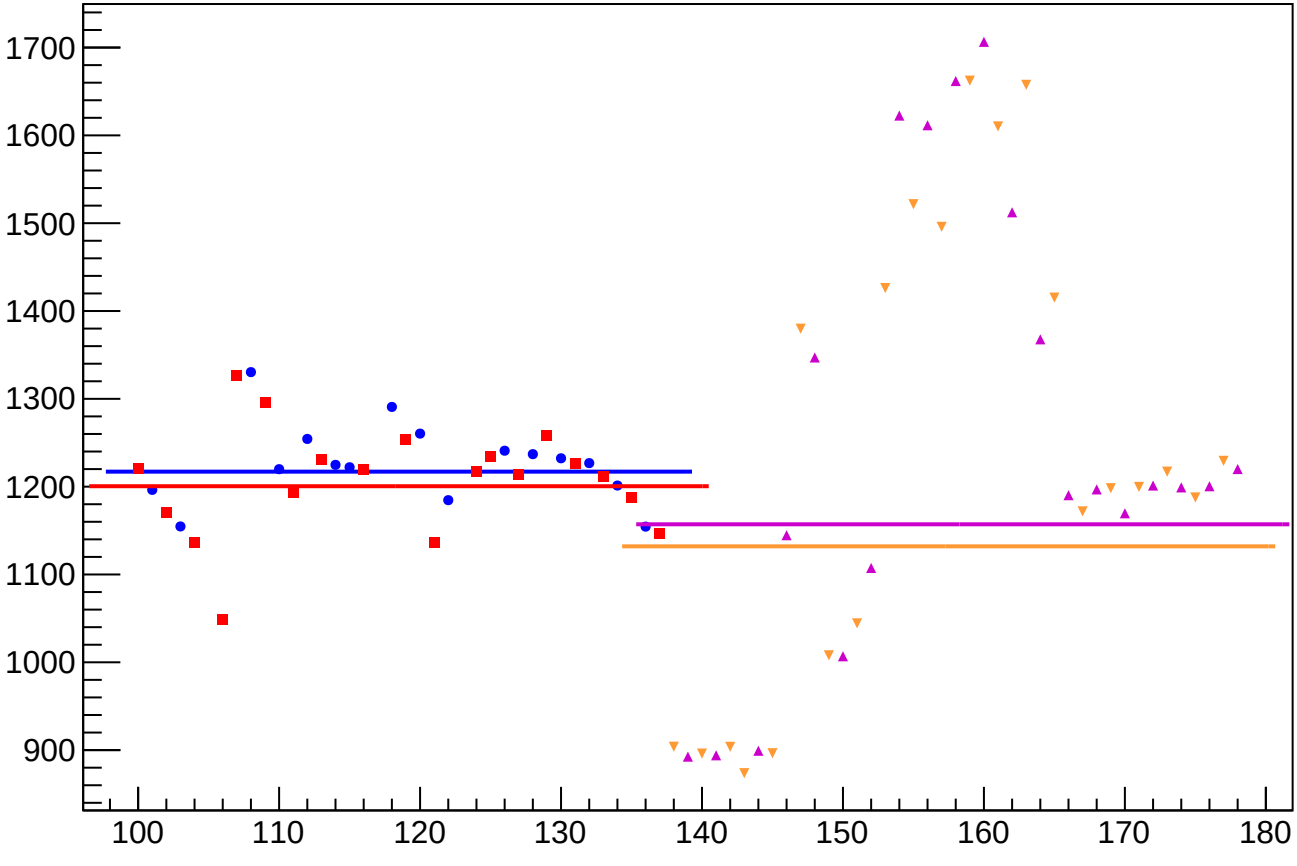
Right: -3.281+/-0.315 χ^2/NDF: 80.4/34

In: -2.337+/-0.246 χ^2/NDF:225.3/35

Out: 1.431+/-0.239 χ^2/NDF:315.5/39

All: -0.396+/-0.171 χ^2/NDF: 661.5/75

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: 1157.139+/-0.207 χ^2/NDF:1256452.0/19

Left: 1144.223+/-0.144 χ^2/NDF: 2713762.4/40

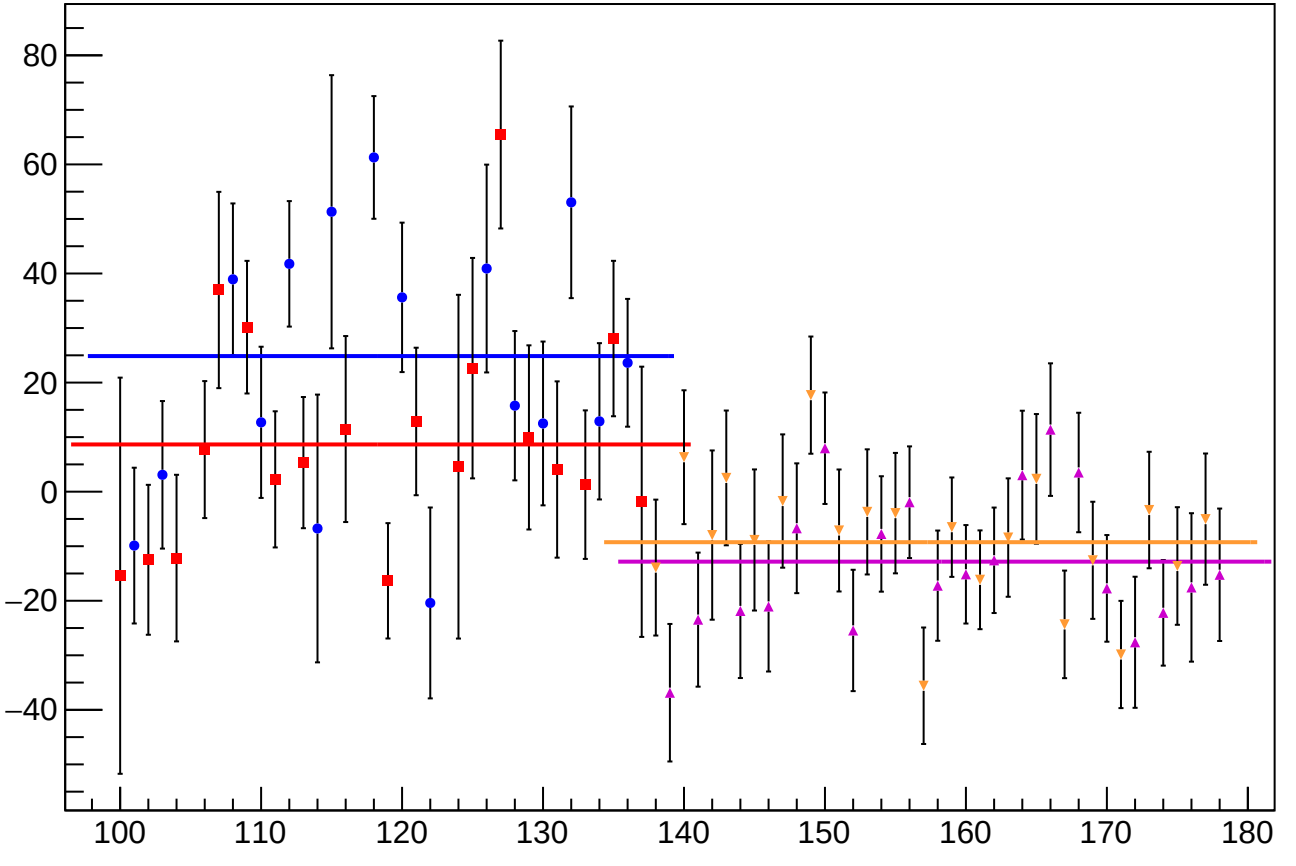
Right: 1208.533+/-0.223 χ^2/NDF: 60729.4/34

In: 1174.879+/-0.174 χ^2/NDF:1302870.7/35

Out: 1152.360+/-0.169 χ^2/NDF:1521725.1/39

All: 1163.281+/-0.121 χ^2/NDF: 2833221.1/75

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: -12.830+/-2.462 χ^2/NDF:23.6/19

Left: -11.013+/-1.725 χ^2/NDF: 49.6/40

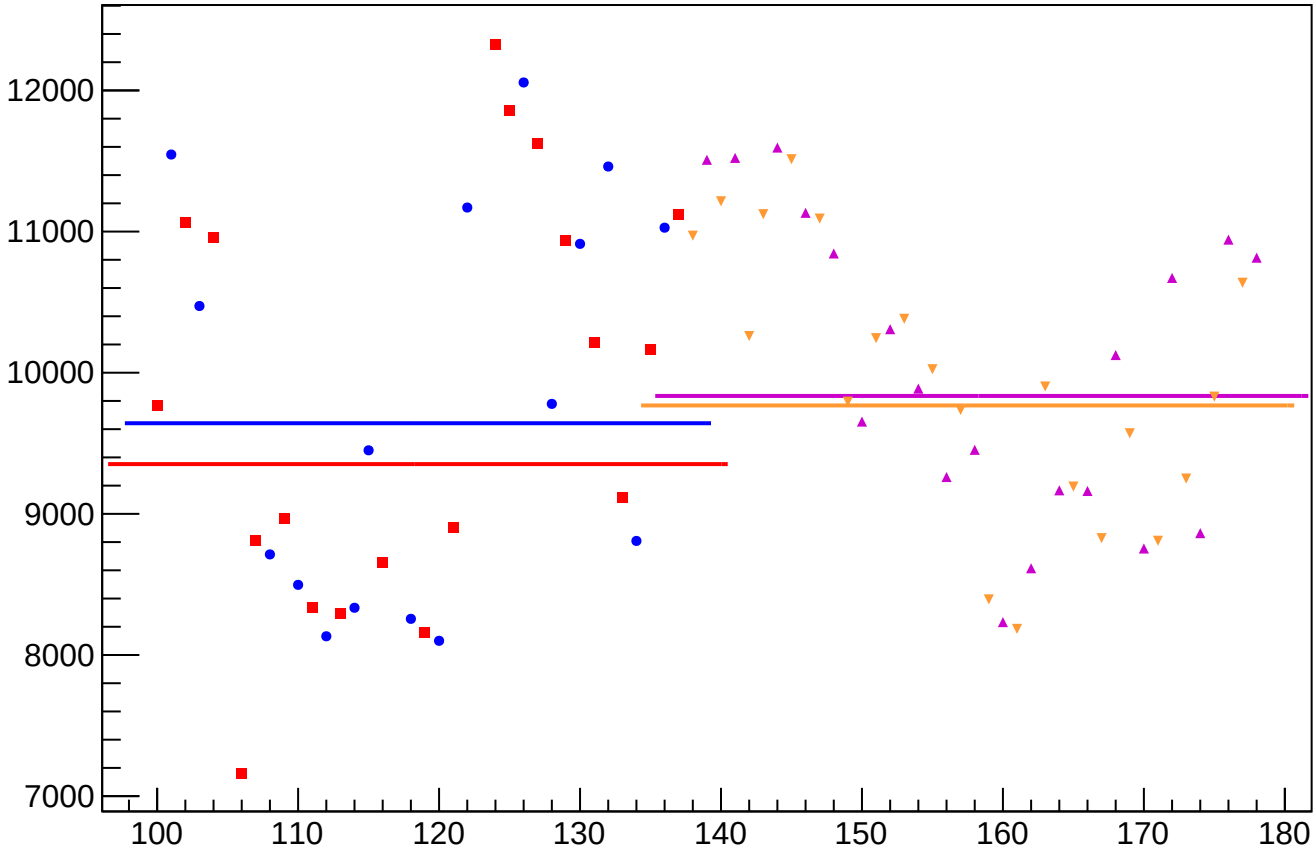
Right: 16.361+/-2.501 χ^2/NDF: 78.7/34

In: -0.948+/-2.037 χ^2/NDF:135.6/35

Out: -3.368+/-1.981 χ^2/NDF:73.2/39

All: -2.192+/-1.420 χ^2/NDF: 209.5/75

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: 9835.433+/-1.741 χ^2/NDF:354778.3/19

Left: 9801.188+/-1.220 χ^2/NDF: 663025.3/40

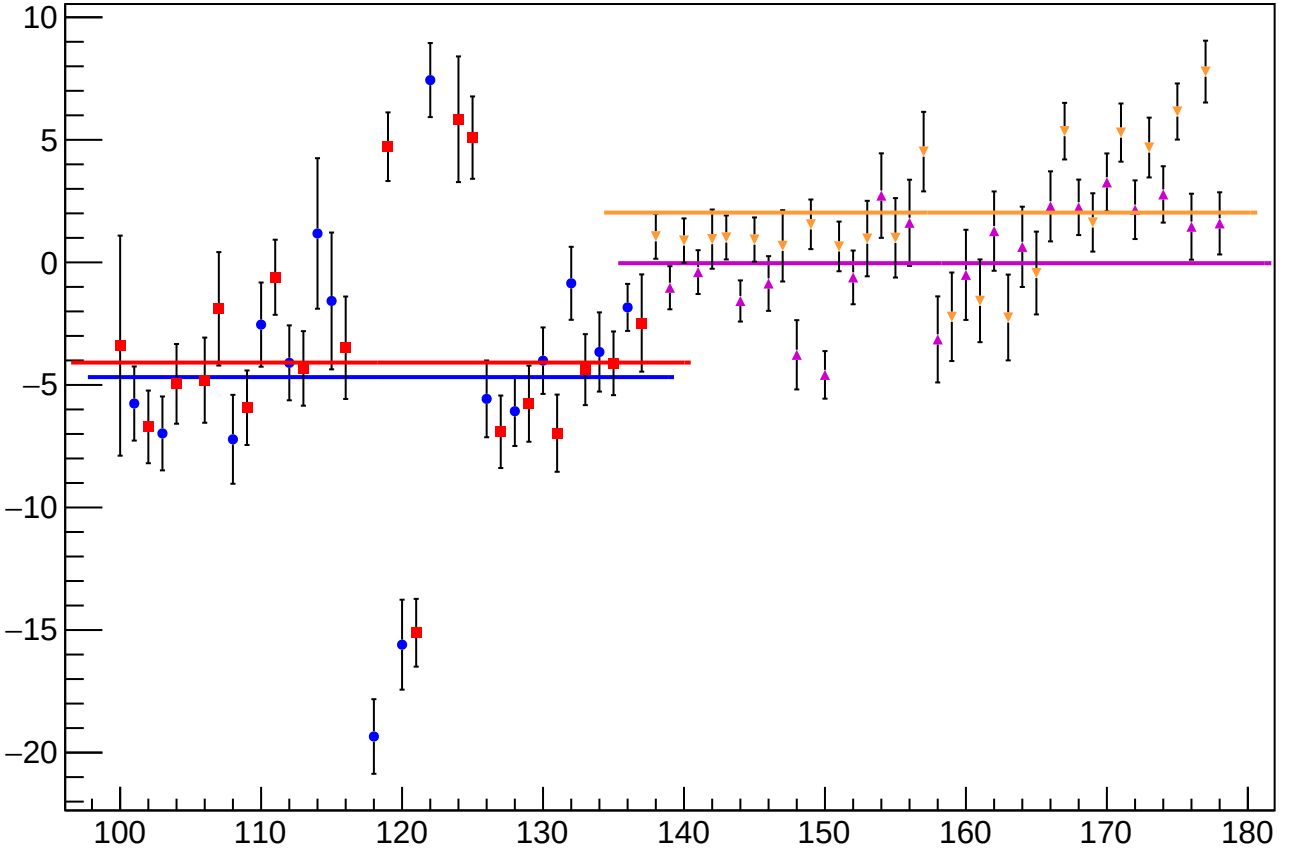
Right: 9490.167+/-1.769 χ^2/NDF: 588120.8/34

In: 9774.475+/-1.440 χ^2/NDF:638325.8/35

Out: 9631.461+/-1.400 χ^2/NDF:628707.6/39

All: 9700.960+/-1.004 χ^2/NDF: 1272101.0/75

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: -0.032+/-0.269 χ^2/NDF:68.8/19

Left: 1.033+/-0.187 χ^2/NDF: 184.2/40

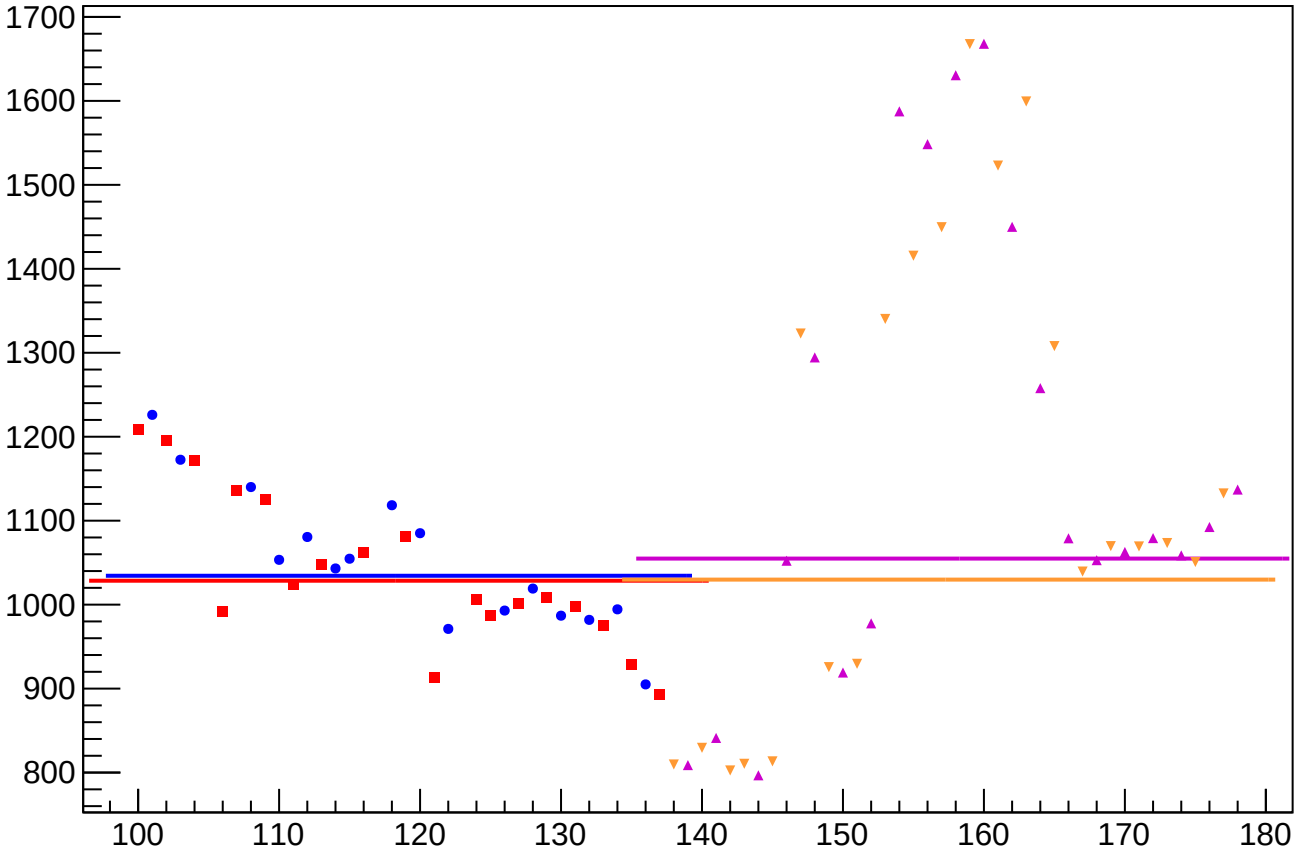
Right: -4.376+/-0.269 χ^2/NDF: 390.5/34

In: -1.554+/-0.221 χ^2/NDF:387.6/35

Out: 0.050+/-0.214 χ^2/NDF:431.8/39

All: -0.728+/-0.154 χ^2/NDF: 846.6/75

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: 1054.855+/-0.190 χ^2/NDF:1513669.1/19

Left: 1041.929+/-0.132 χ^2/NDF: 3199322.1/40

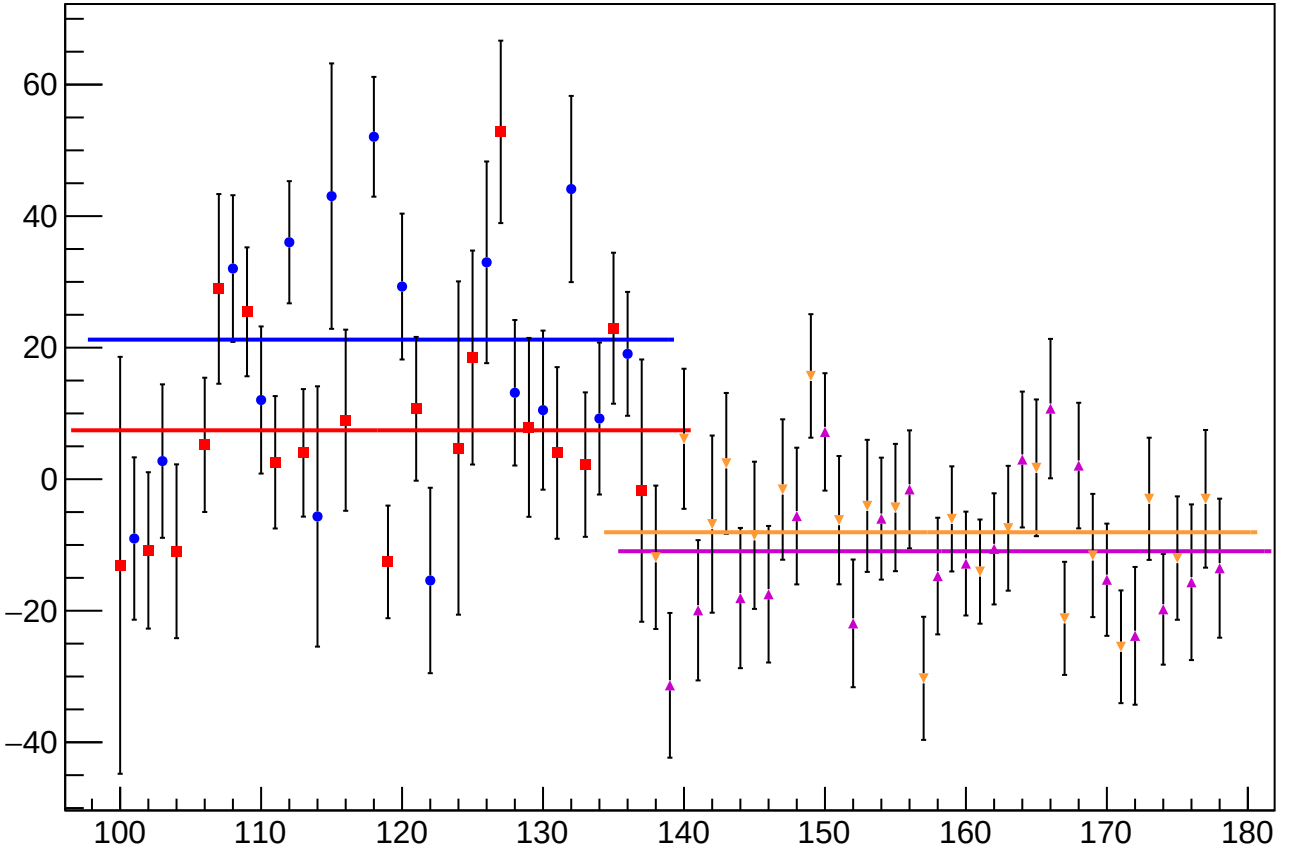
Right: 1031.379+/-0.190 χ^2/NDF: 215143.2/34

In: 1048.160+/-0.156 χ^2/NDF:1630729.0/35

Out: 1029.392+/-0.151 χ^2/NDF:1778357.1/39

All: 1038.494+/-0.109 χ^2/NDF: 3416533.8/75

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: -10.952+/-2.148 χ^2/NDF:23.2/19

Left: -9.483+/-1.505 χ^2/NDF: 48.6/40

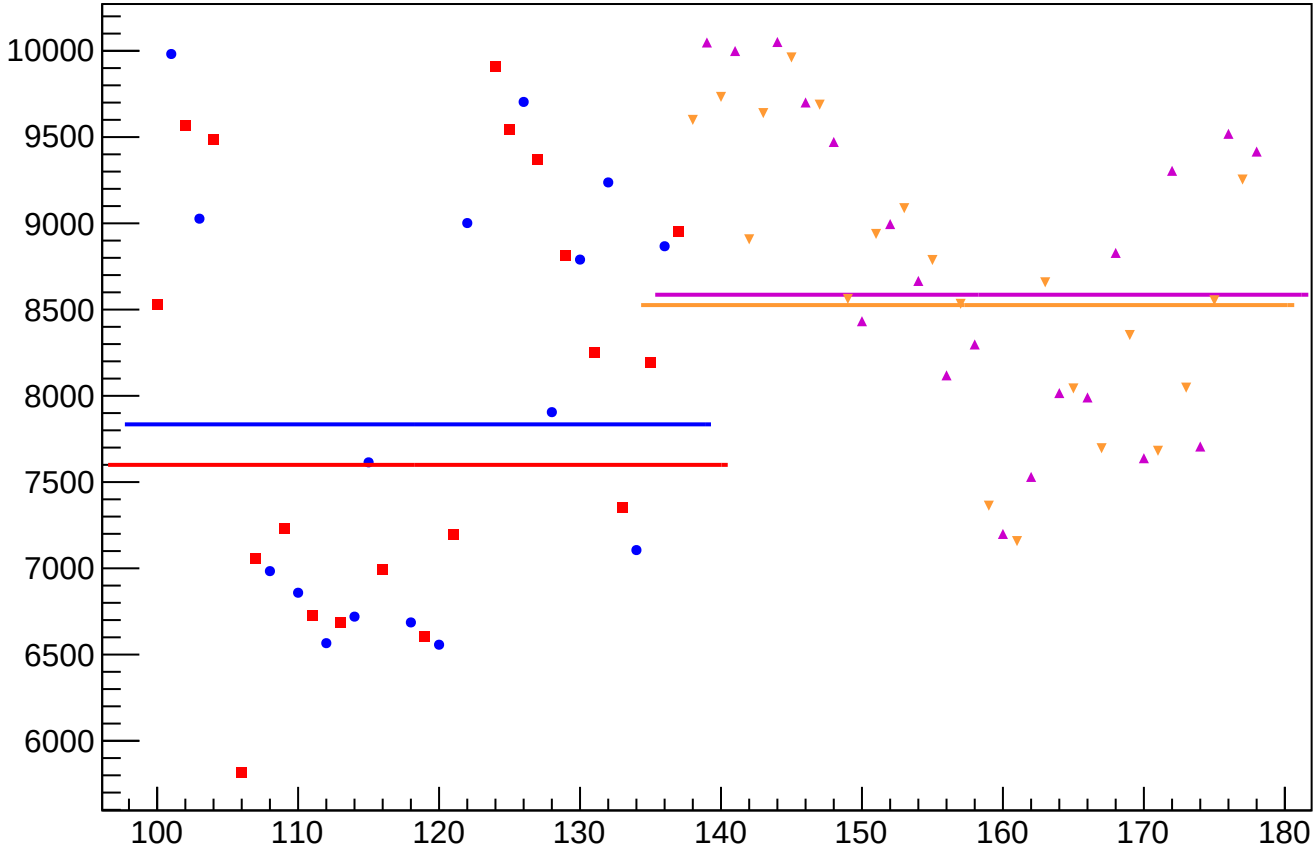
Right: 13.990+/-2.035 χ^2/NDF: 81.3/34

In: 0.190+/-1.737 χ^2/NDF:141.0/35

Out: -2.478+/-1.687 χ^2/NDF:73.7/39

All: -1.183+/-1.210 χ^2/NDF: 215.9/75

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: 8586.084+/-1.519 χ^2/NDF:344969.4/19

Left: 8555.557+/-1.064 χ^2/NDF: 642464.6/40

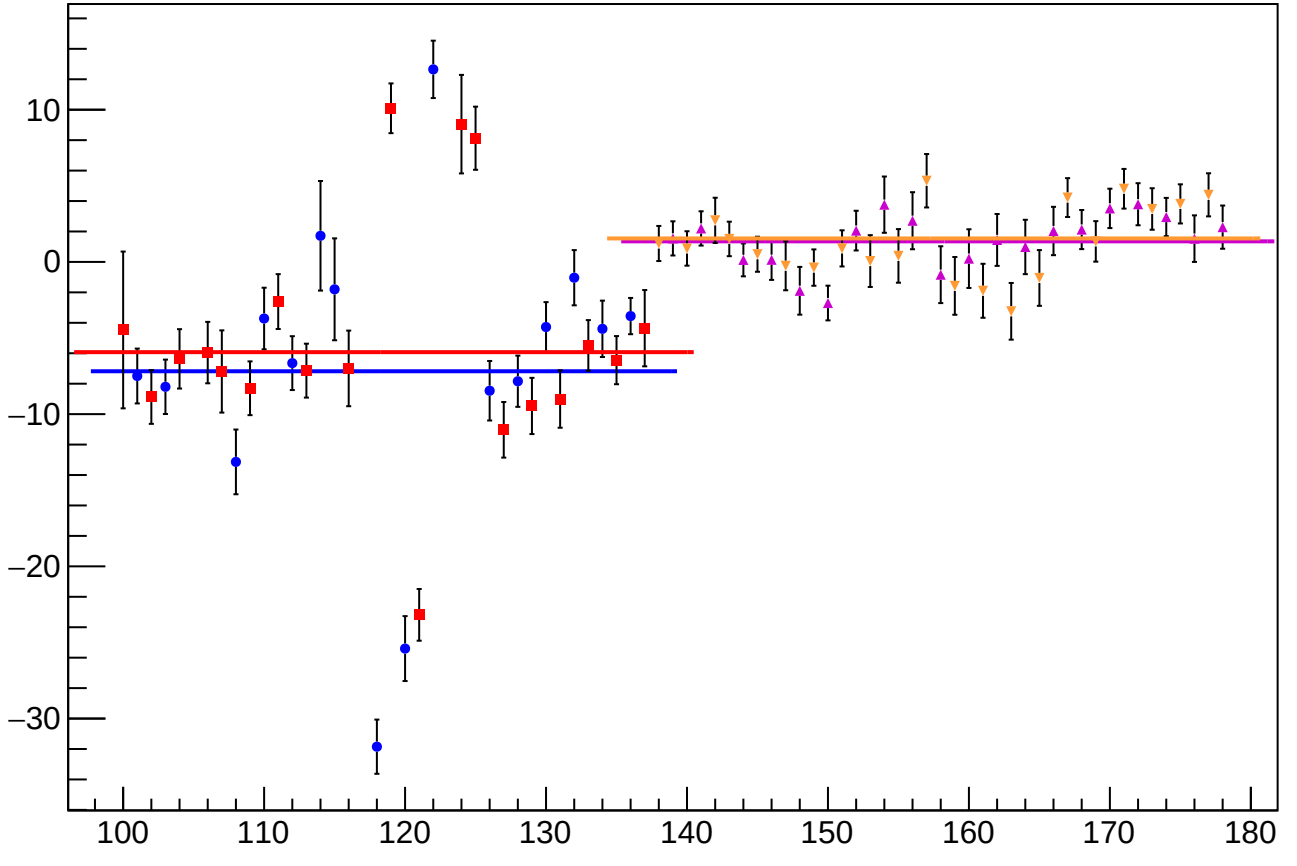
Right: 7711.419+/-1.439 χ^2/NDF: 669028.2/34

In: 8325.849+/-1.228 χ^2/NDF:747792.0/35

Out: 8192.201+/-1.193 χ^2/NDF:779981.5/39

All: 8257.082+/-0.856 χ^2/NDF: 1533865.3/75

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: 1.352+/-0.312 χ^2/NDF:32.4/19

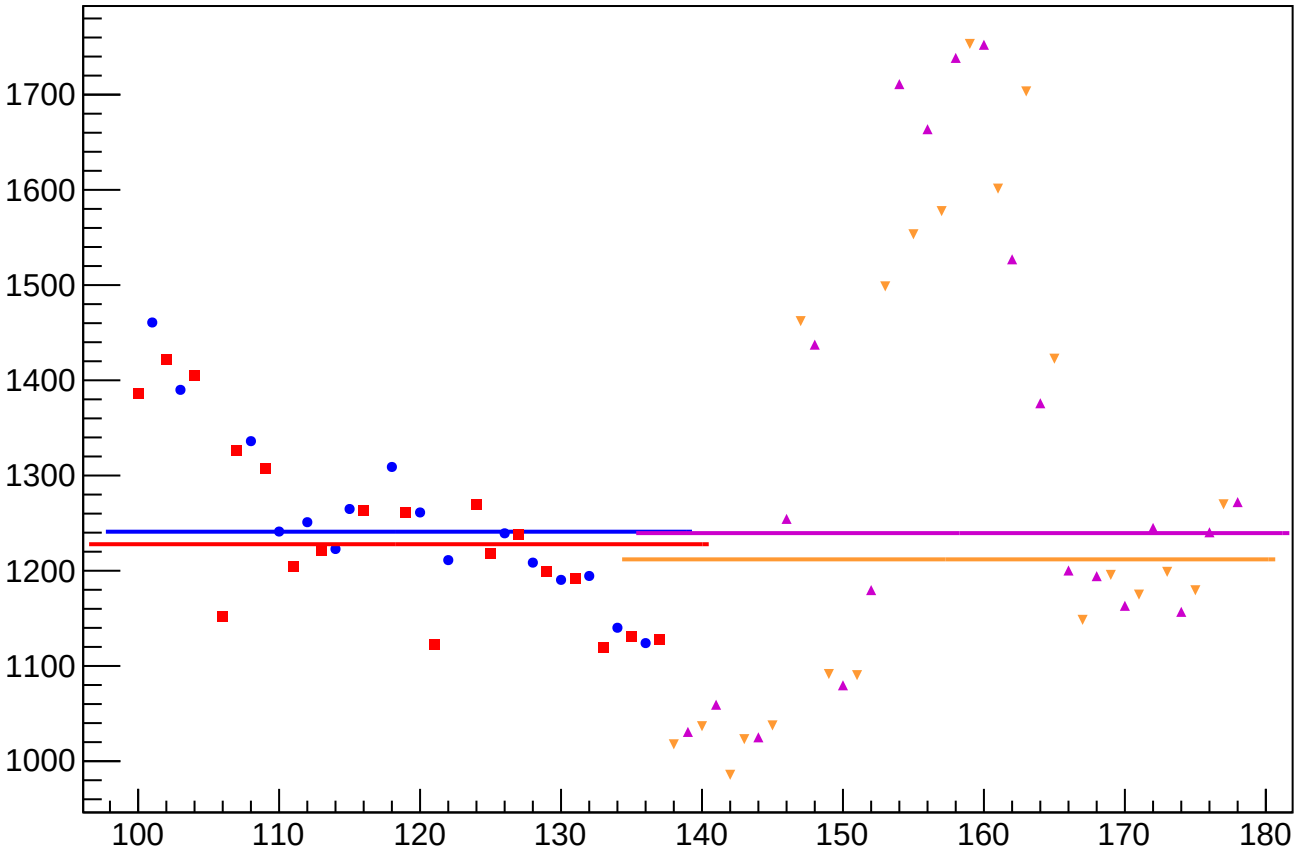
Left: 1.451+/-0.217 χ^2/NDF: 79.5/40

Right: -6.537+/-0.322 χ^2/NDF: 716.4/34

In: -1.324+/-0.259 χ^2/NDF:688.6/35

Out: -0.792+/-0.251 χ^2/NDF:527.4/39

All: -1.050+/-0.180 χ^2/NDF: 1218.2/75



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: 1239.517+/-0.221 χ^2/NDF:880928.3/19

Left: 1225.307+/-0.154 χ^2/NDF: 1886897.9/40

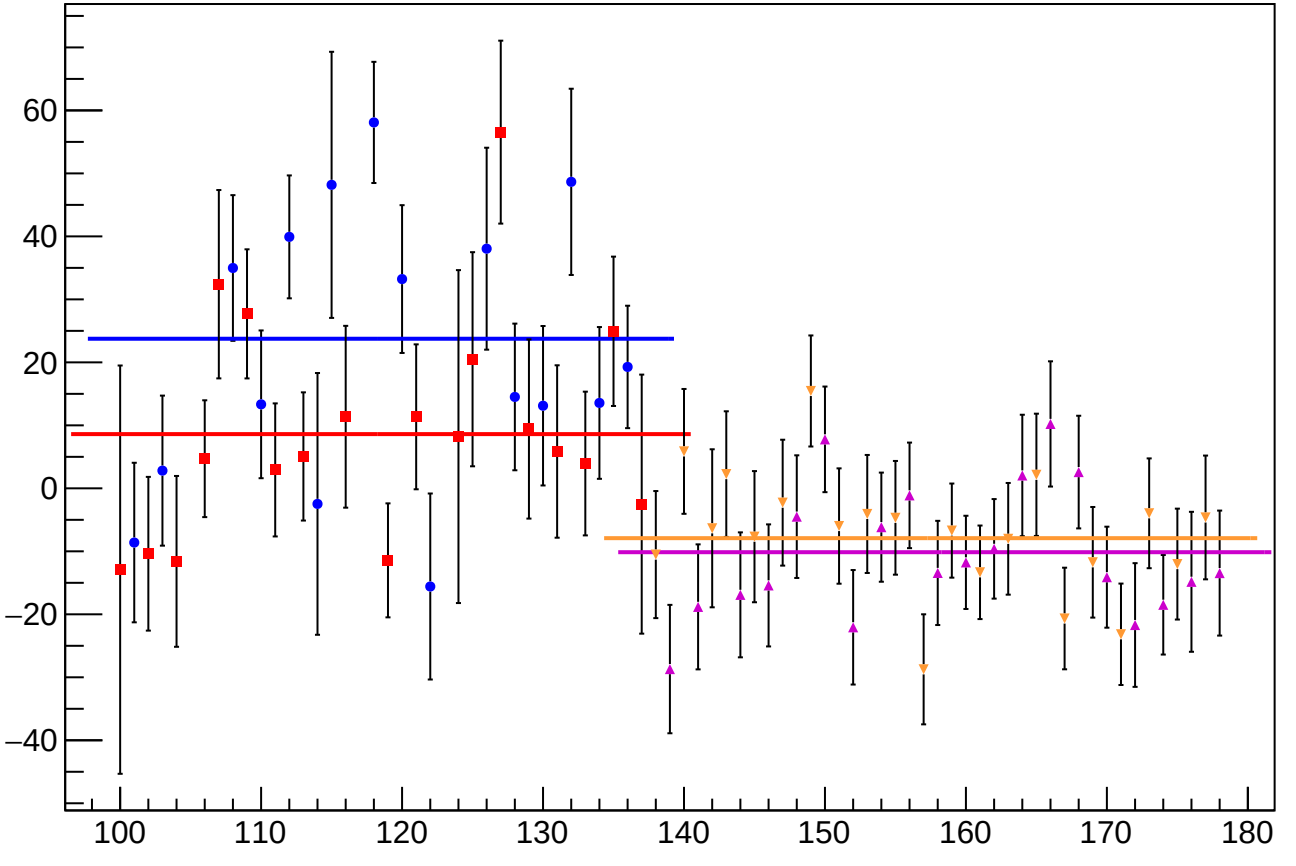
Right: 1234.245+/-0.228 χ^2/NDF: 163824.2/34

In: 1239.984+/-0.183 χ^2/NDF:961596.0/35

Out: 1216.927+/-0.178 χ^2/NDF:1082009.2/39

All: 1228.104+/-0.127 χ^2/NDF: 2051779.9/75

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: -10.139+/-2.010 χ^2/NDF:23.9/19

Left: -9.004+/-1.408 χ^2/NDF: 49.4/40

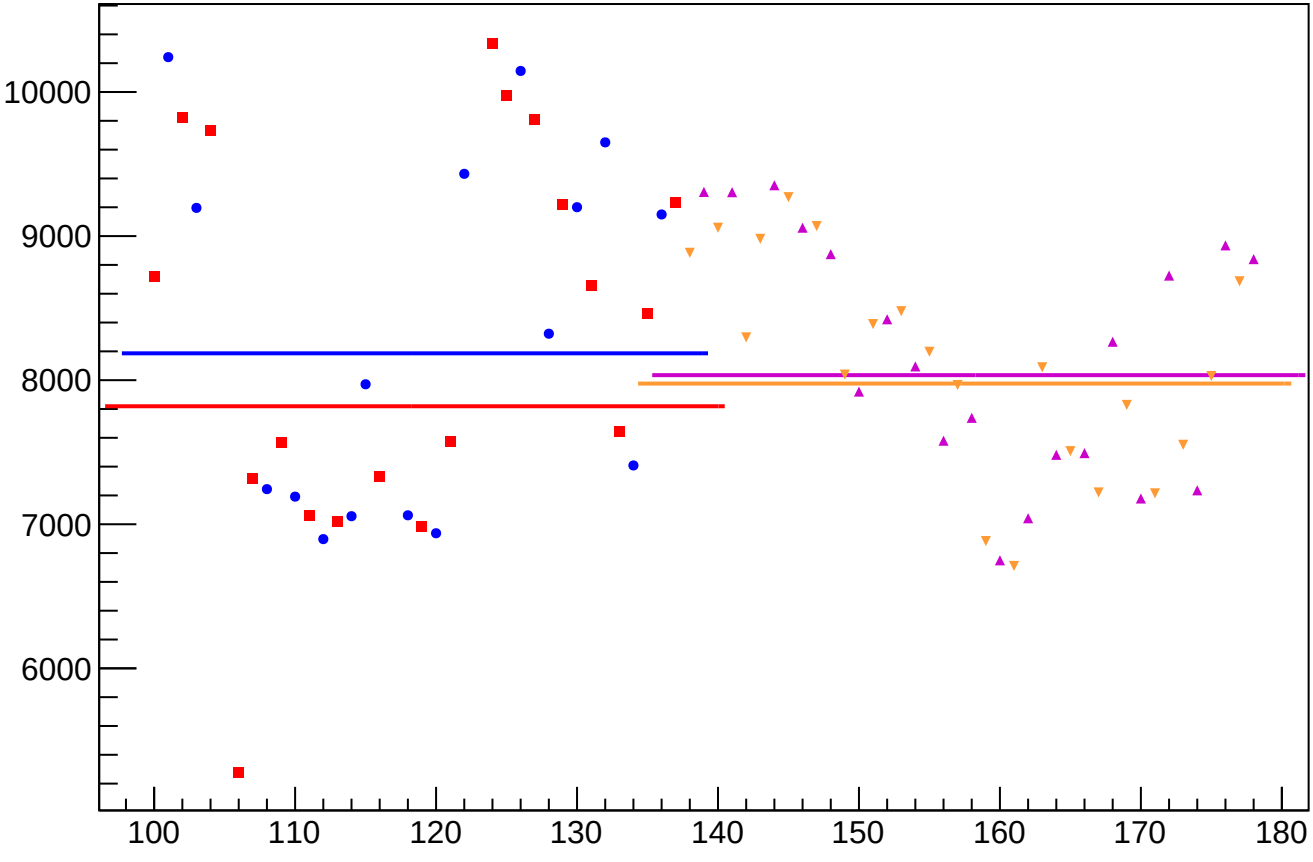
Right: 15.718+/-2.111 χ^2/NDF: 86.7/34

In: -0.024+/-1.684 χ^2/NDF:152.2/35

Out: -2.680+/-1.631 χ^2/NDF:77.5/39

All: -1.394+/-1.172 χ^2/NDF: 231.0/75

diff_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 7976.480+/-1.395 χ^2/NDF:284748.8/20

Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

Left In: 8034.901+/-1.421 χ^2/NDF:334185.5/19

Left: 8005.152+/-0.996 χ^2/NDF: 619794.6/40

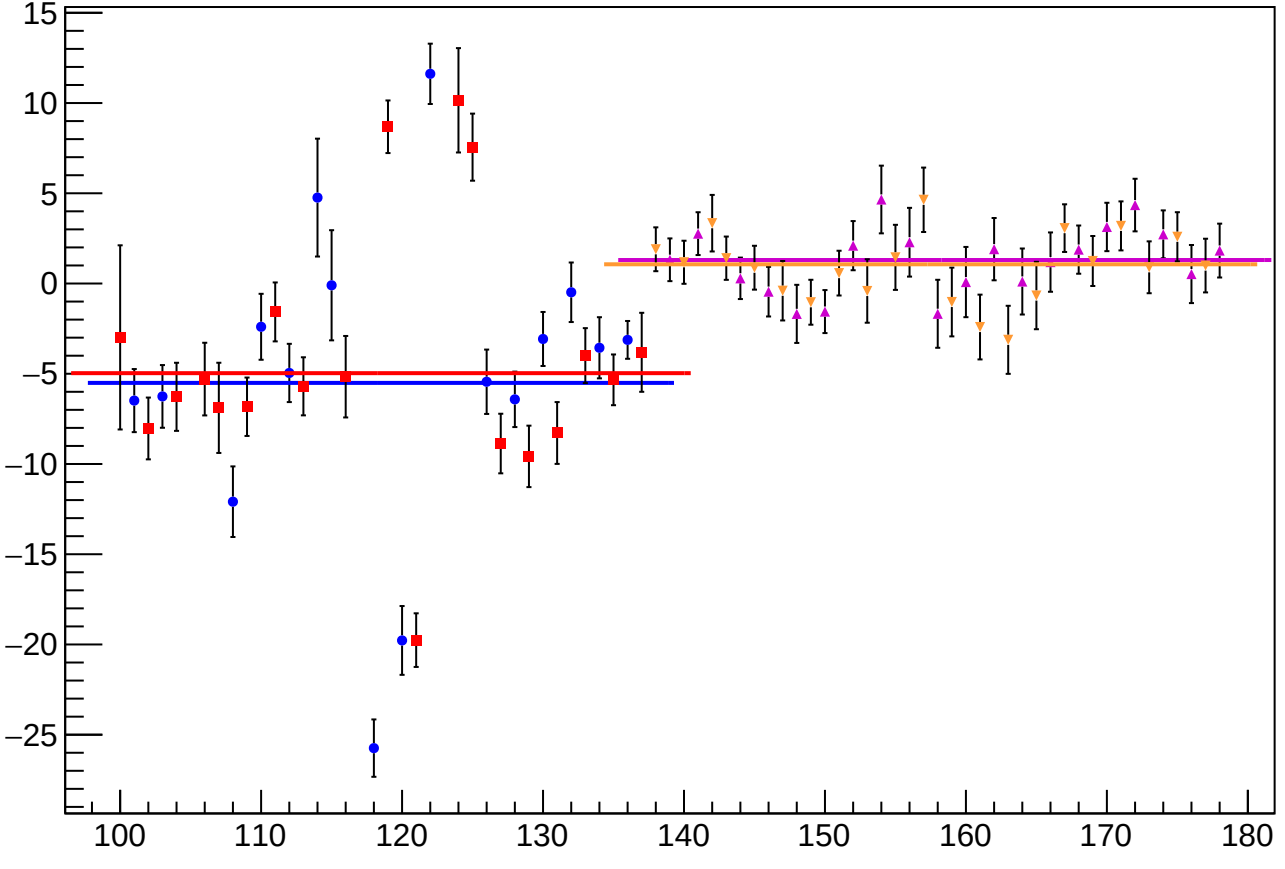
Right: 7991.468+/-1.493 χ^2/NDF: 728709.0/34

In: 8080.111+/-1.190 χ^2/NDF:628204.0/35

Out: 7926.606+/-1.153 χ^2/NDF:711781.8/39

All: 8000.939+/-0.828 χ^2/NDF: 1348561.7/75

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: 1.302+/-0.325 χ^2/NDF:28.3/19

Left: 1.180+/-0.227 χ^2/NDF: 56.6/40

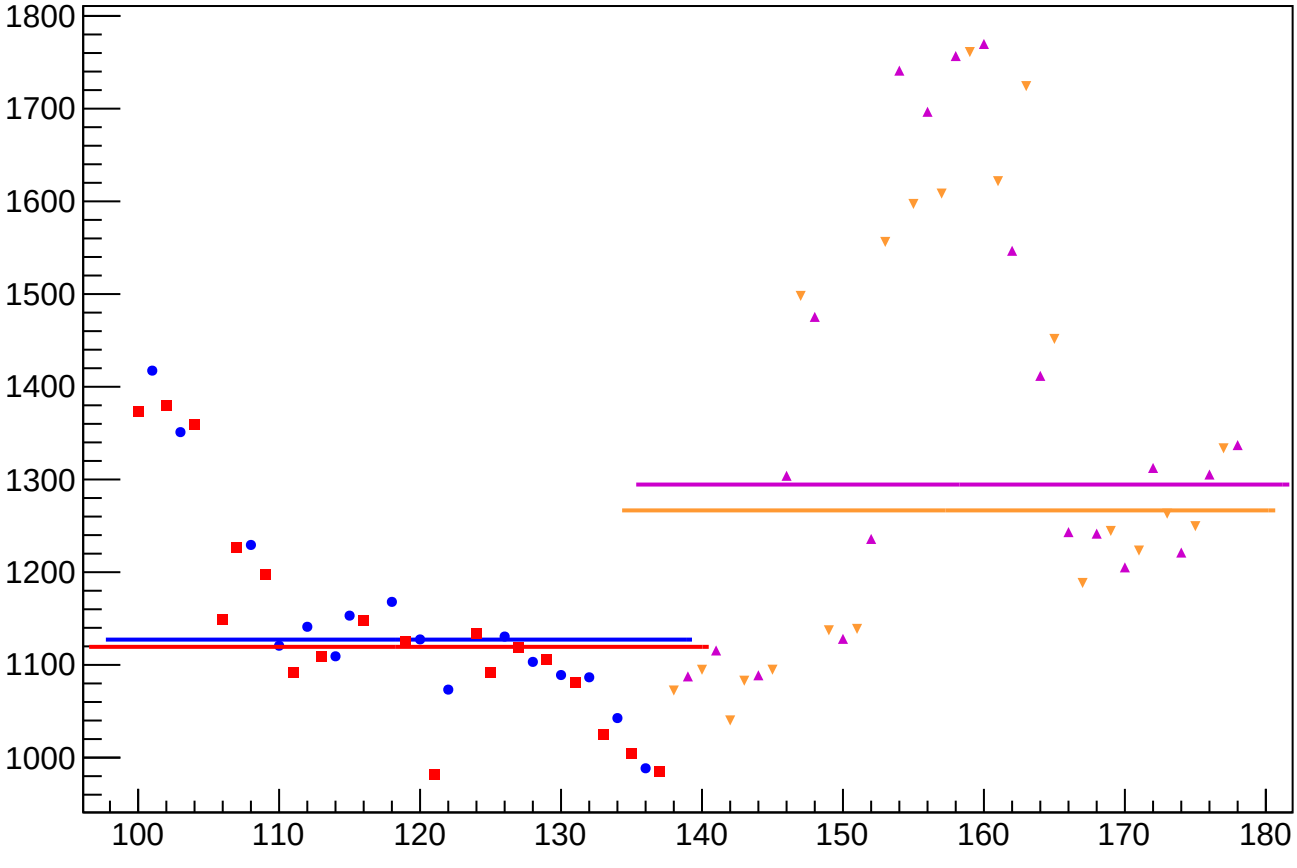
Right: -5.230+/-0.294 χ^2/NDF: 657.9/34

In: -1.245+/-0.257 χ^2/NDF:561.9/35

Out: -1.177+/-0.250 χ^2/NDF:451.1/39

All: -1.210+/-0.179 χ^2/NDF: 1013.0/75

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: 1294.536+/-0.230 χ^2/NDF:754030.3/19

Left: 1280.169+/-0.160 χ^2/NDF: 1624551.2/40

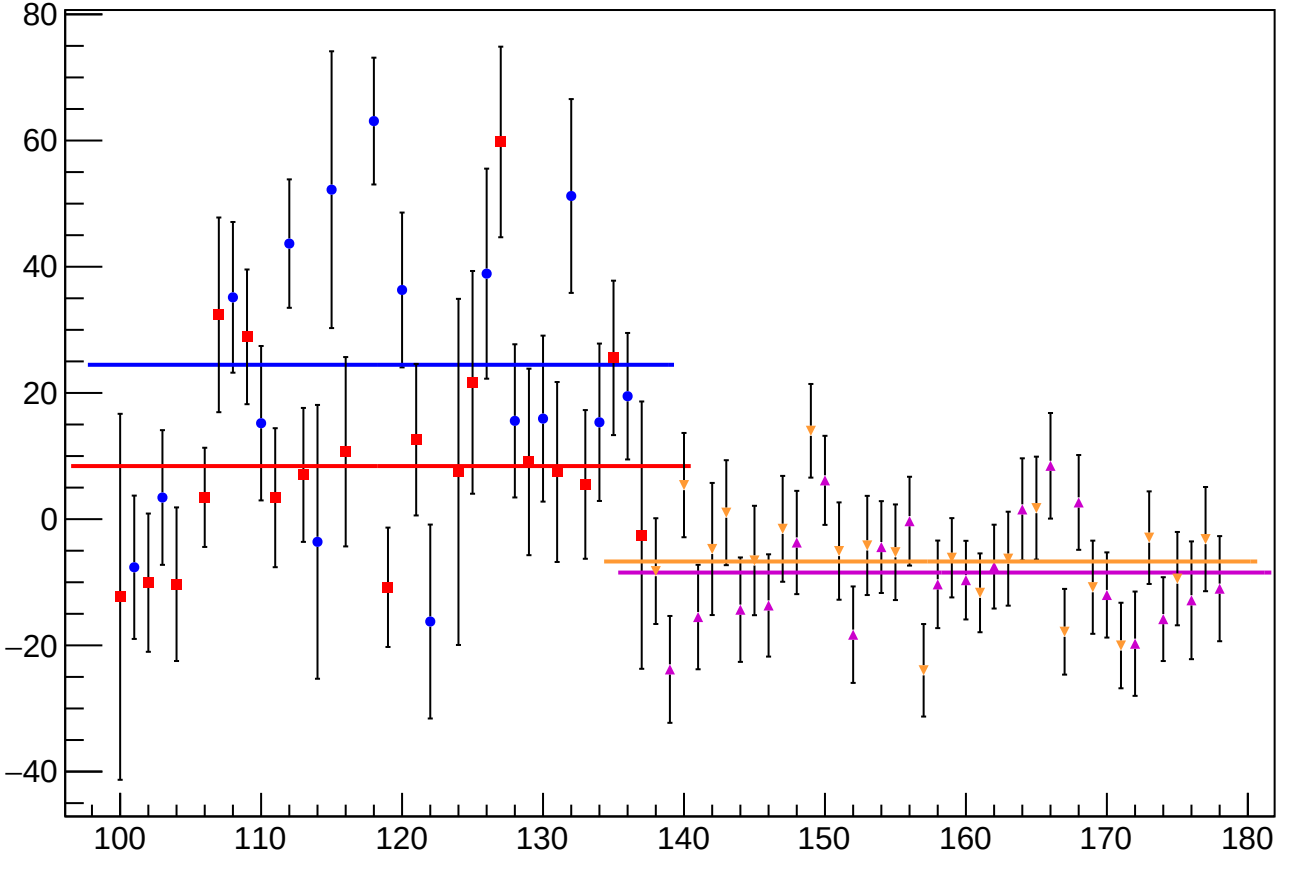
Right: 1123.282+/-0.208 χ^2/NDF: 281705.5/34

In: 1231.960+/-0.182 χ^2/NDF:1092300.3/35

Out: 1211.940+/-0.177 χ^2/NDF:1165340.2/39

All: 1221.664+/-0.127 χ^2/NDF: 2263860.9/75

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: -8.462+/-1.688 χ^2/NDF:24.5/19

Left: -7.569+/-1.182 χ^2/NDF: 51.2/40

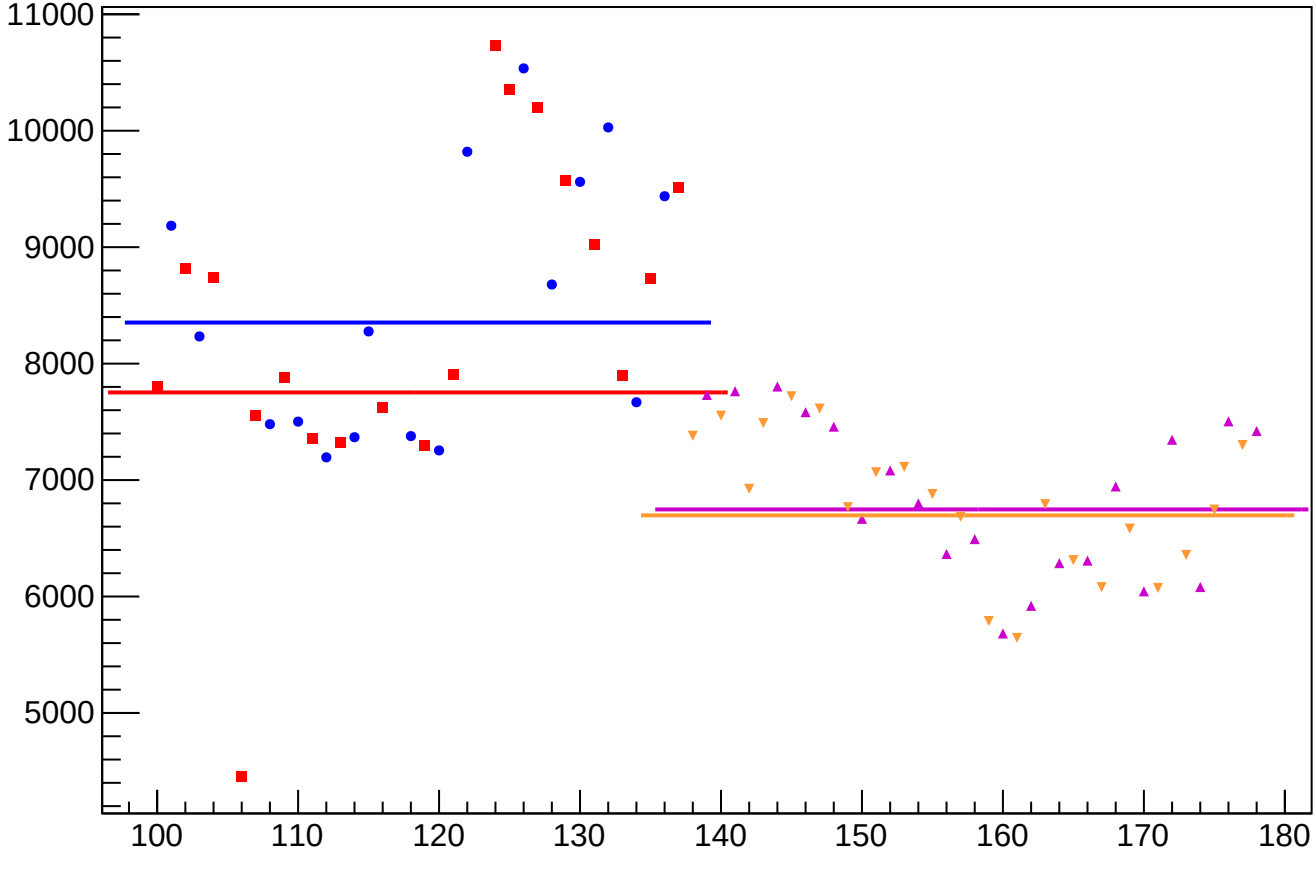
Right: 15.786+/-2.126 χ^2/NDF: 93.6/34

In: -1.069+/-1.486 χ^2/NDF:158.3/35

Out: -2.972+/-1.437 χ^2/NDF:77.9/39

All: -2.052+/-1.033 χ^2/NDF: 237.0/75

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: 6747.919+/-1.193 χ^2/NDF:320126.0/19

Left: 6722.024+/-0.836 χ^2/NDF: 590432.7/40

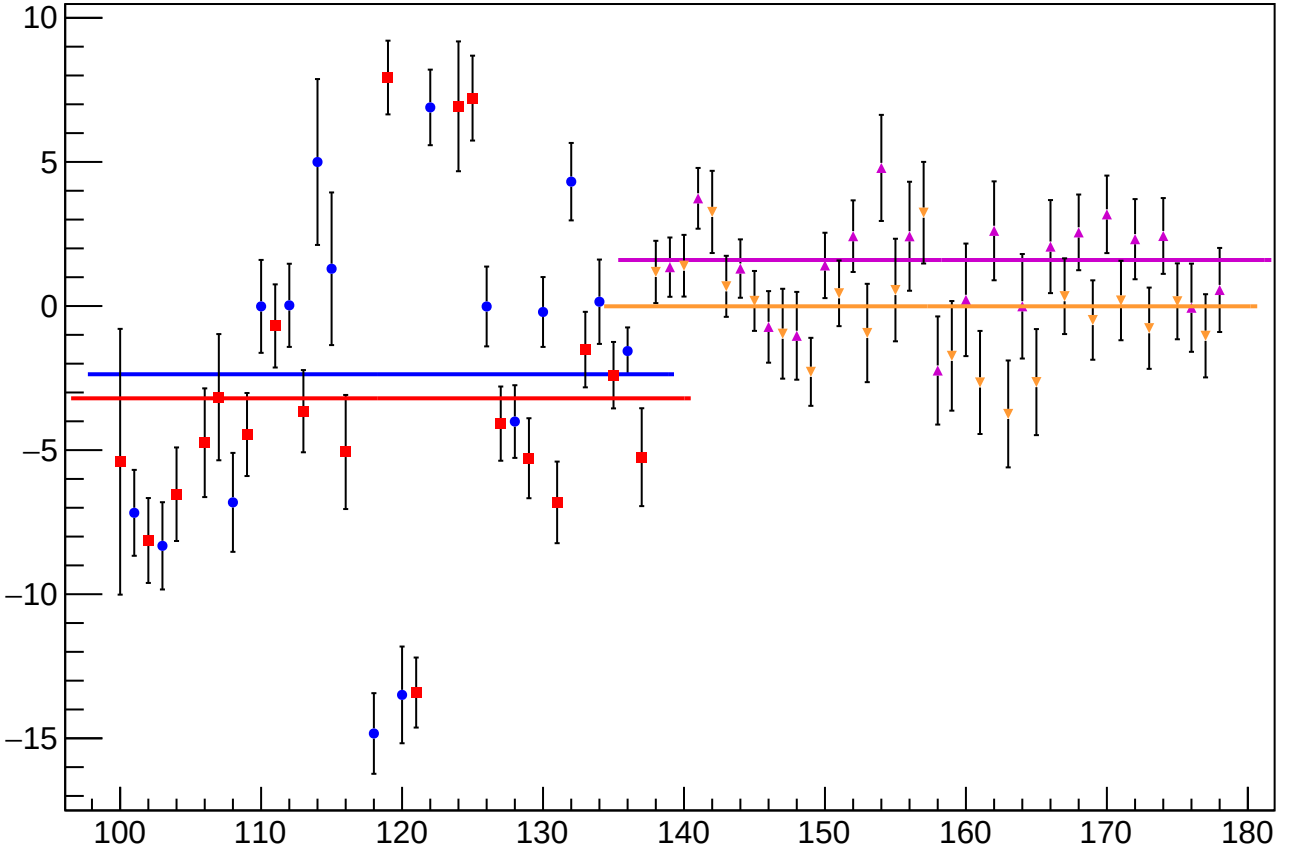
Right: 8028.343+/-1.503 χ^2/NDF: 848071.5/34

In: 7108.261+/-1.051 χ^2/NDF:946666.6/35

Out: 6957.941+/-1.016 χ^2/NDF:1058209.8/39

All: 7030.586+/-0.730 χ^2/NDF: 2015450.7/75

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: 1.597+/-0.307 χ^2/NDF:24.6/19

Left: 0.768+/-0.214 χ^2/NDF: 65.5/40

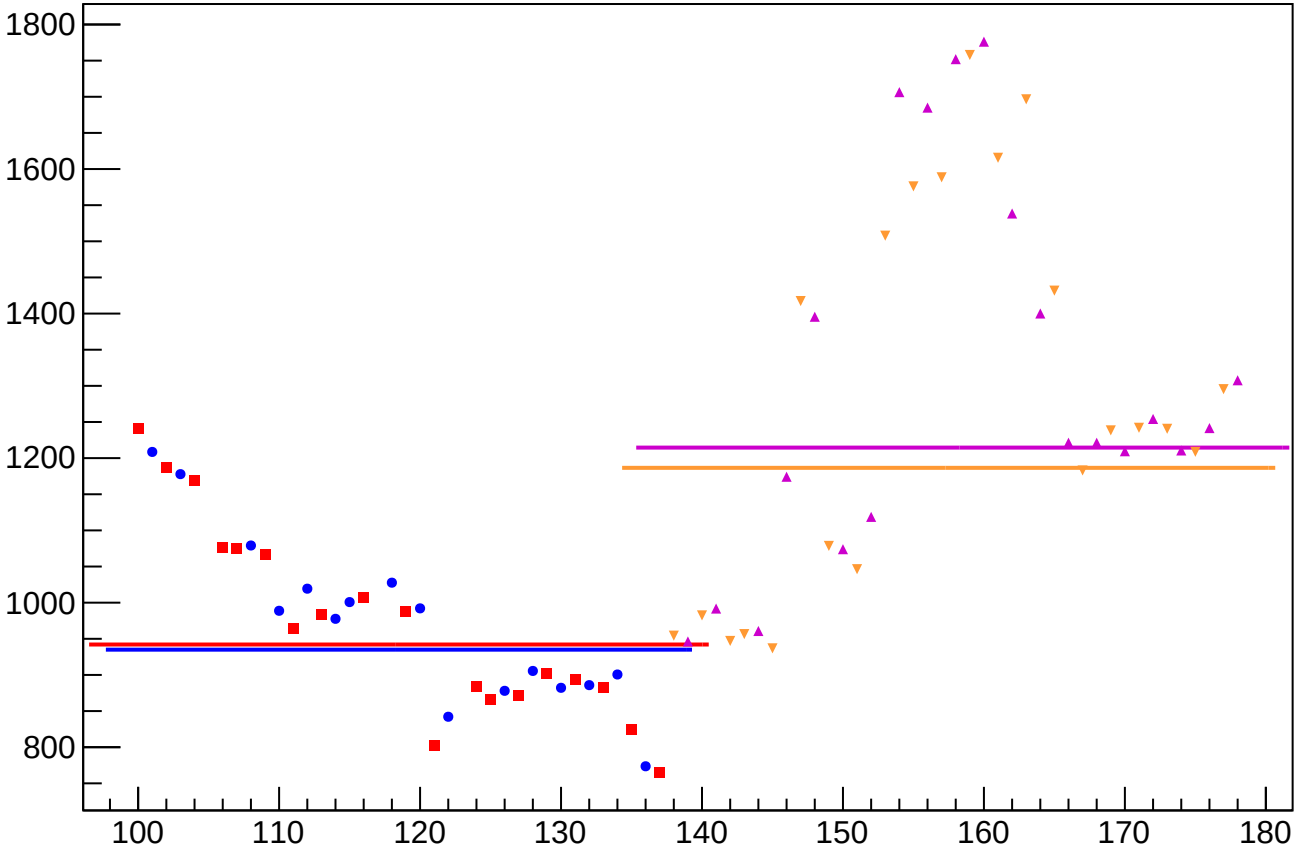
Right: -2.790+/-0.246 χ^2/NDF: 509.0/34

In: -0.126+/-0.231 χ^2/NDF:352.5/35

Out: -1.366+/-0.226 χ^2/NDF:326.2/39

All: -0.760+/-0.161 χ^2/NDF: 693.5/75

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: 1214.560+/-0.217 χ^2/NDF:1122496.3/19

Left: 1200.120+/-0.151 χ^2/NDF: 2427178.7/40

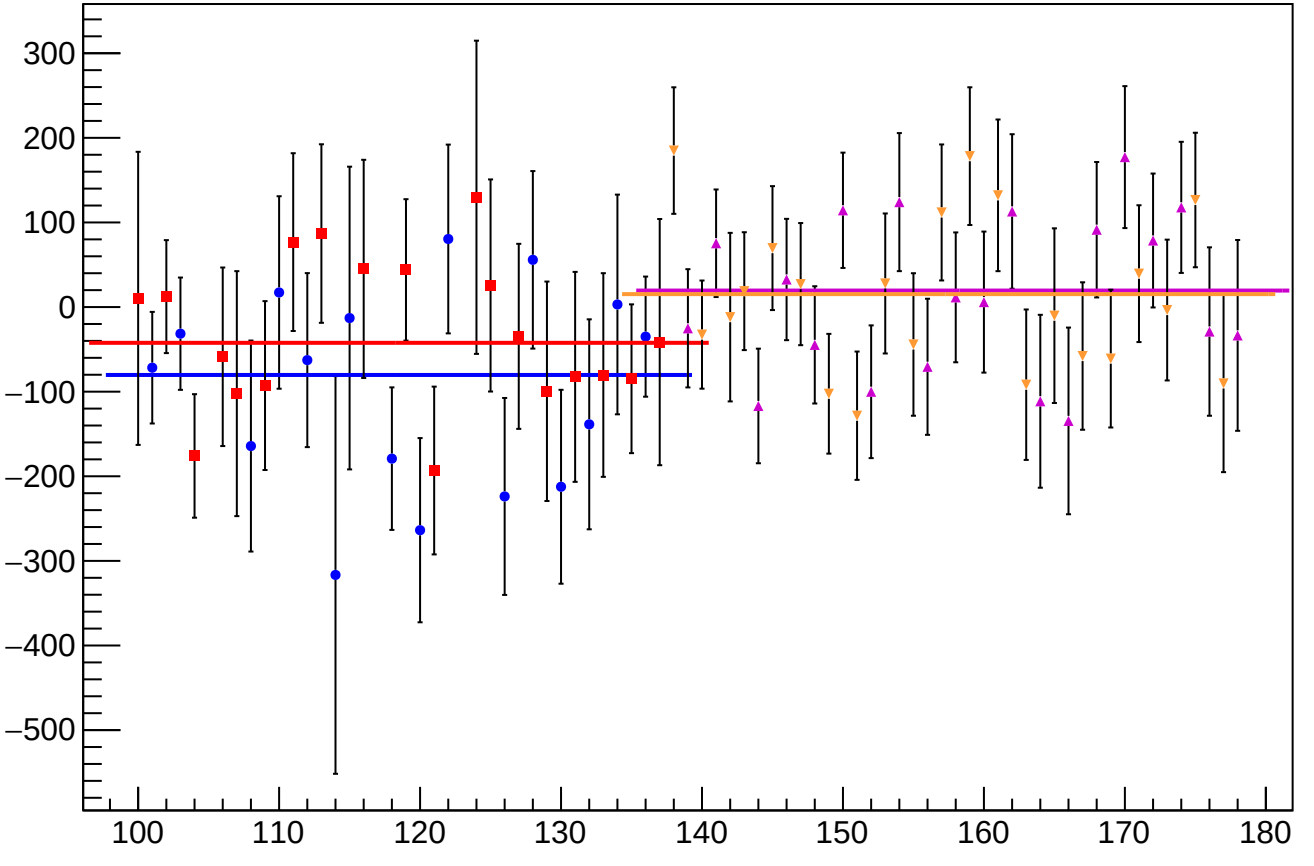
Right: 938.577+/-0.174 χ^2/NDF: 487235.0/34

In: 1093.072+/-0.163 χ^2/NDF:2096661.1/35

Out: 1082.711+/-0.160 χ^2/NDF:2101642.0/39

All: 1087.772+/-0.114 χ^2/NDF: 4200360.8/75

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: 19.506+/-17.757 χ^2/NDF:24.9/19

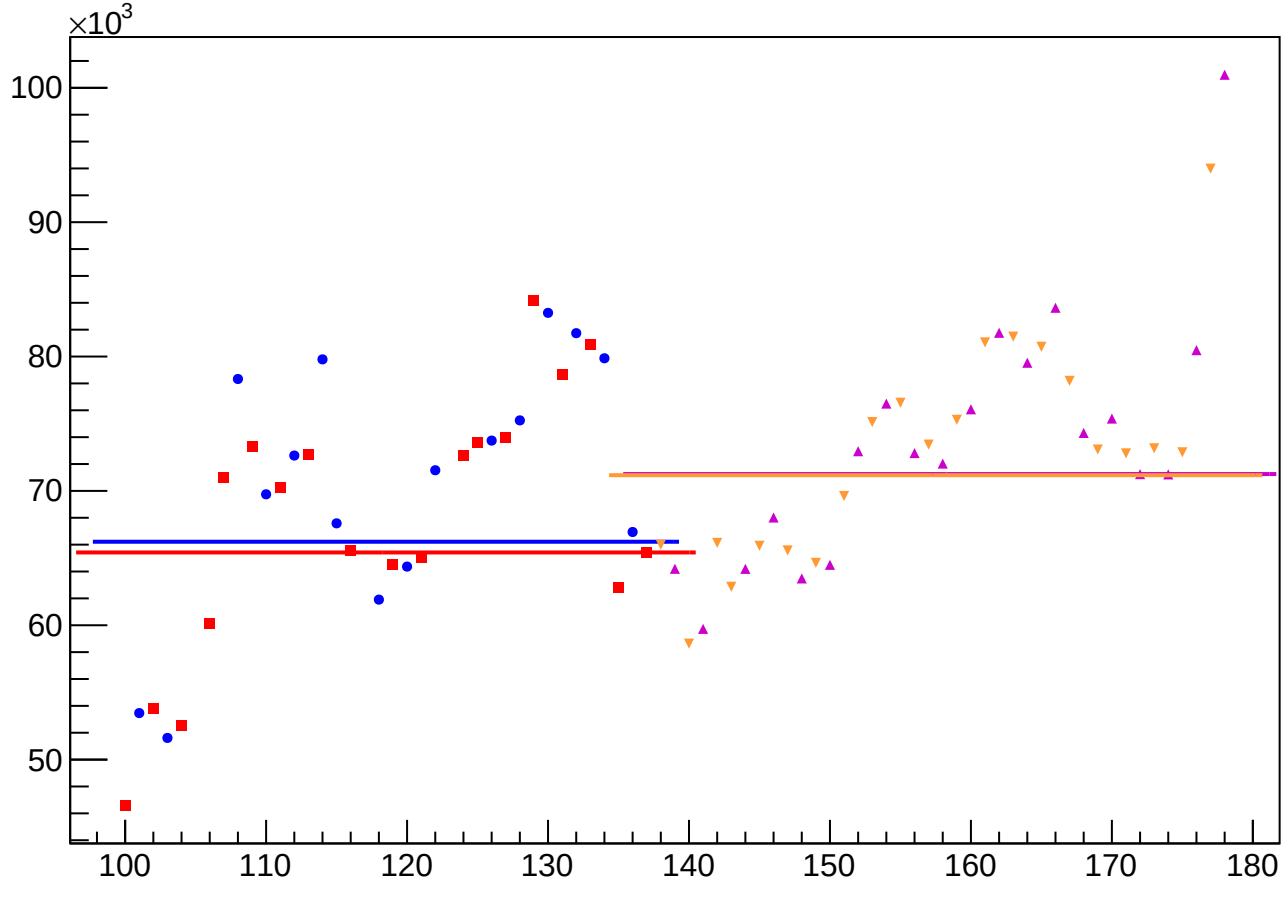
Left: 17.370+/-12.480 χ^2/NDF: 51.6/40

Right: -60.665+/-17.337 χ^2/NDF: 29.0/34

In: -14.107+/-14.459 χ^2/NDF:50.4/35

Out: -4.598+/-14.192 χ^2/NDF:43.3/39

All: -9.264+/-10.128 χ^2/NDF: 93.9/75



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 71168.320+/-12.404 χ^2/NDF:359802.6/20

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

Left In: 71253.262+/-12.556 χ^2/NDF:402188.5/19

Left: 71210.274+/-8.824 χ^2/NDF: 762014.2/40

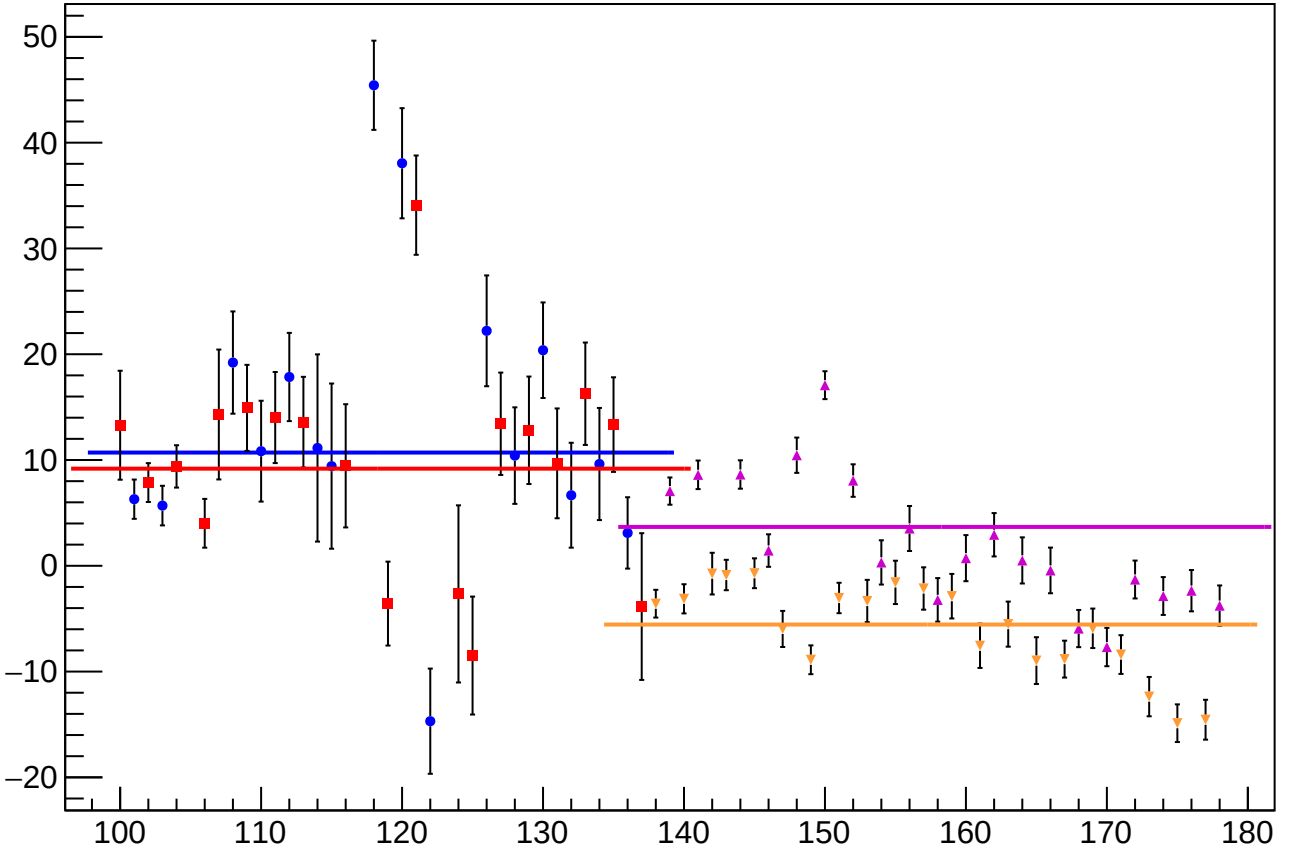
Right: 65804.895+/-12.259 χ^2/NDF: 643990.8/34

In: 69555.962+/-10.224 χ^2/NDF:794794.9/35

Out: 69181.768+/-10.035 χ^2/NDF:738593.3/39

All: 69365.375+/-7.162 χ^2/NDF: 1534070.5/7

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: 3.674+/-0.382 χ^2/NDF:300.2/19

Left: -1.039+/-0.268 χ^2/NDF: 722.9/40

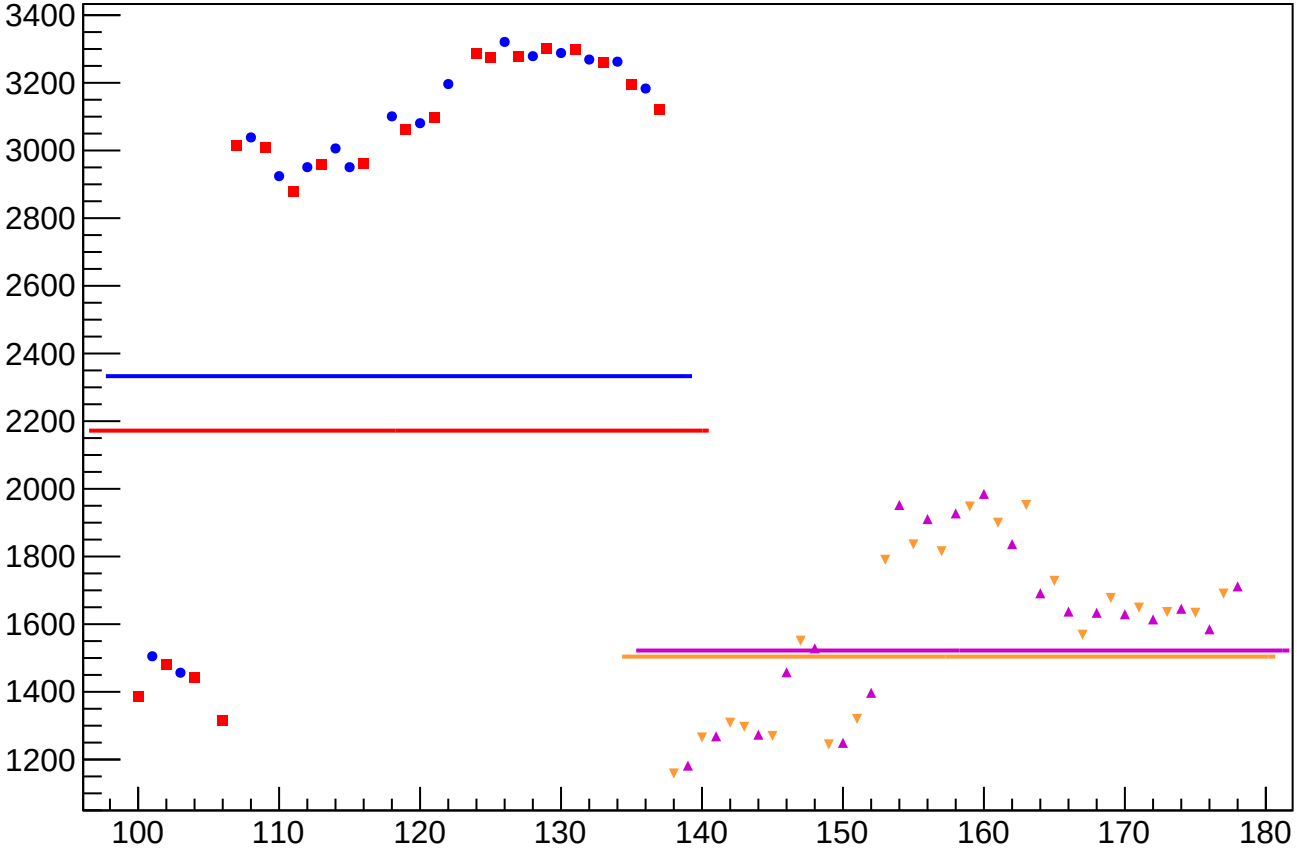
Right: 9.883+/-0.625 χ^2/NDF: 226.6/34

In: 4.709+/-0.353 χ^2/NDF:505.5/35

Out: -3.161+/-0.343 χ^2/NDF:446.6/39

All: 0.654+/-0.246 χ^2/NDF: 1207.9/75

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: 1522.137+/-0.270 χ^2/NDF:816852.1/19

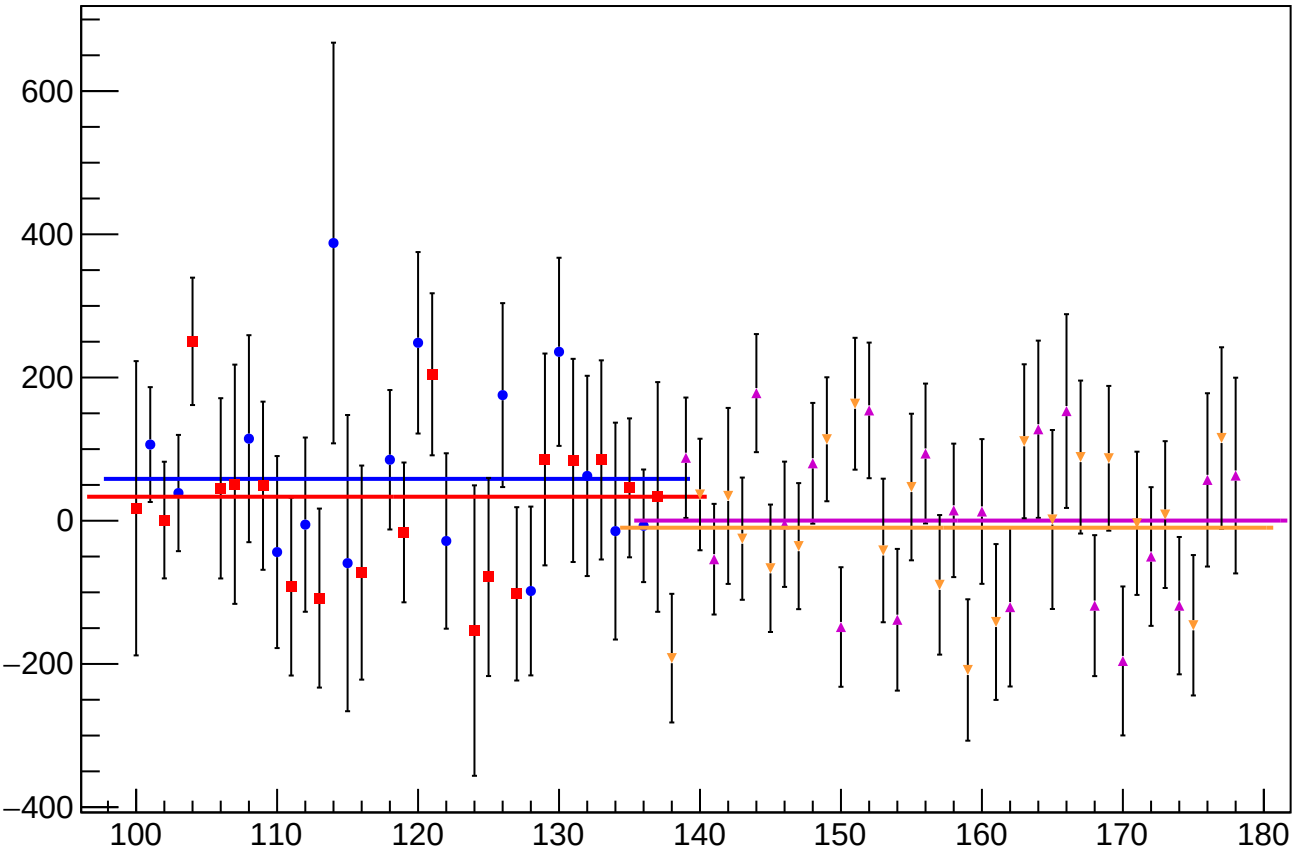
Left: 1512.937+/-0.189 χ^2/NDF: 1724617.9/40

Right: 2246.139+/-0.442 χ^2/NDF: 3668614.7/34

In: 1641.509+/-0.250 χ^2/NDF:3791667.7/35

Out: 1612.611+/-0.242 χ^2/NDF:3923707.5/39

All: 1626.621+/-0.174 χ^2/NDF: 7722272.9/75



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: 0.215+/-21.635 χ^2/NDF:26.6/19

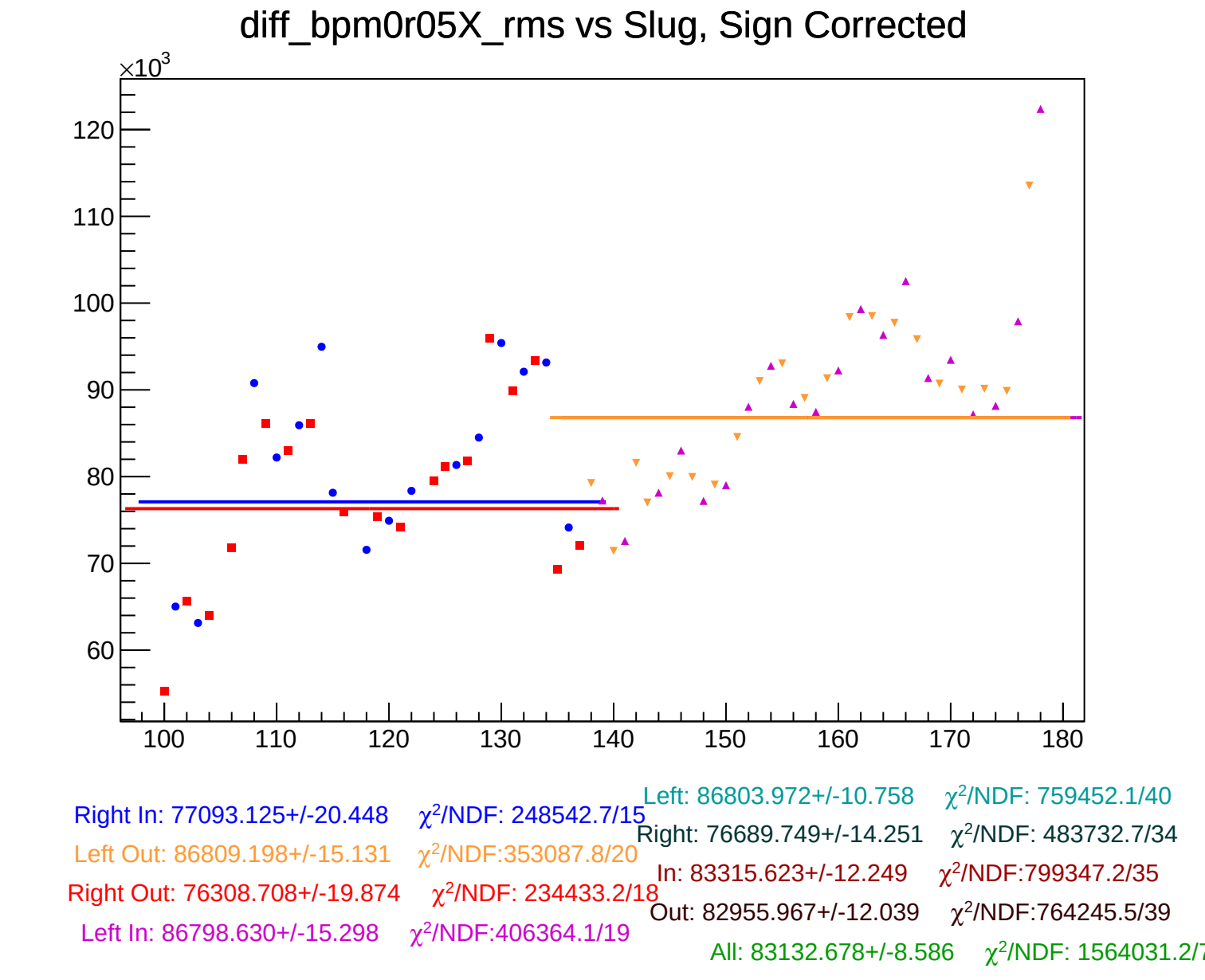
Left: -4.818+/-15.214 χ^2/NDF: 50.0/40

Right: 45.628+/-20.155 χ^2/NDF: 26.4/34

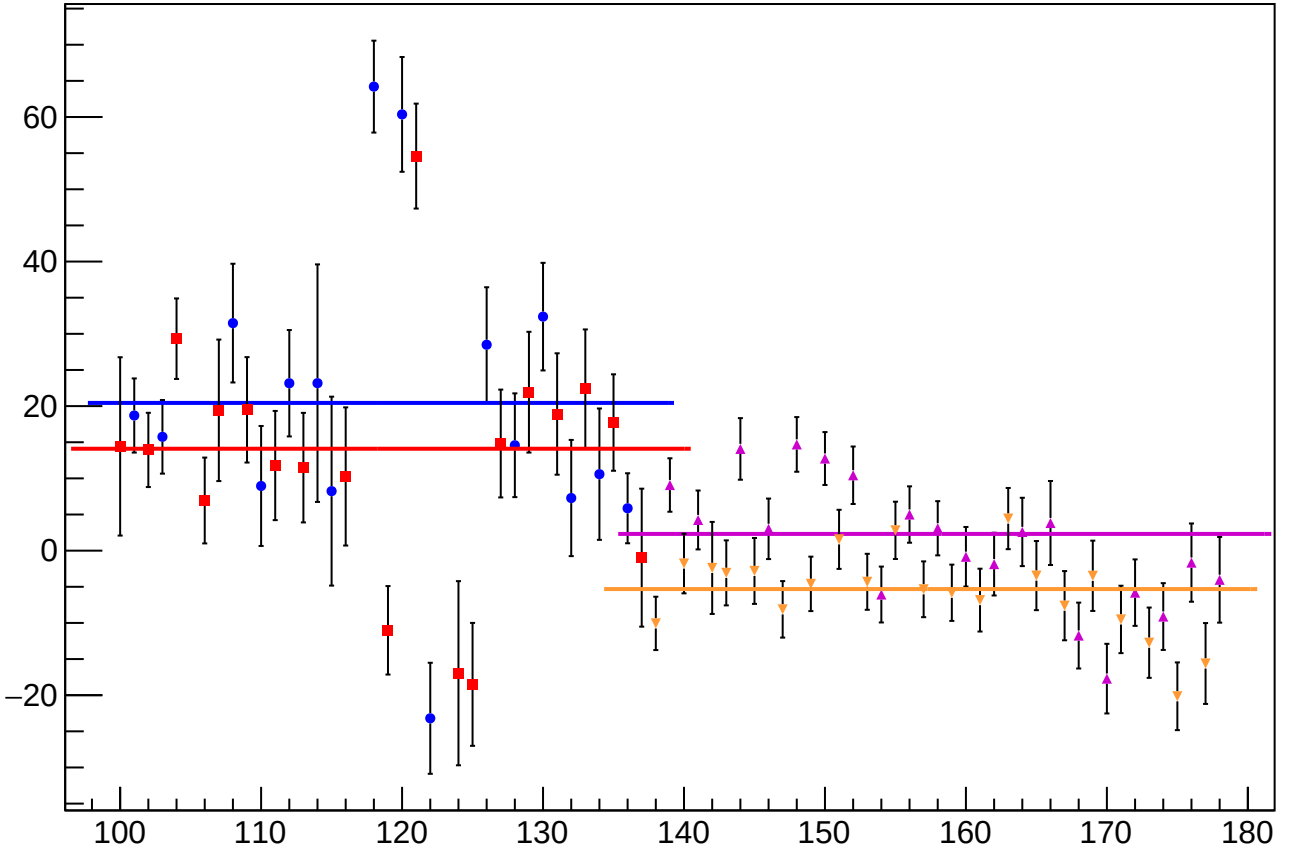
In: 21.113+/-17.323 χ^2/NDF:40.5/35

Out: 6.133+/-17.026 χ^2/NDF:39.4/39

All: 13.493+/-12.143 χ^2/NDF: 80.4/75


diff_bpm0r05X_rms vs Slug, Sign Corrected
×10^3
120
110
100
90
80
70
60
100
110
120
130
140
150
160
170
180
Right In: 77093.125+/-20.448 χ²/NDF: 248542.7/15
Left Out: 86809.198+/-15.131 χ²/NDF:353087.8/20
Right Out: 76308.708+/-19.874 χ²/NDF: 234433.2/18
Left In: 86798.630+/-15.298 χ²/NDF:406364.1/19
Left: 86803.972+/-10.758 χ²/NDF: 759452.1/40
Right: 76689.749+/-14.251 χ²/NDF: 483732.7/34
In: 83315.623+/-12.249 χ²/NDF:799347.2/35
Out: 82955.967+/-12.039 χ²/NDF:764245.5/39
All: 83132.678+/-8.586 χ²/NDF: 1564031.2/7

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: 2.315+/-0.957 χ^2/NDF:78.8/19

Left: -1.546+/-0.673 χ^2/NDF: 144.2/40

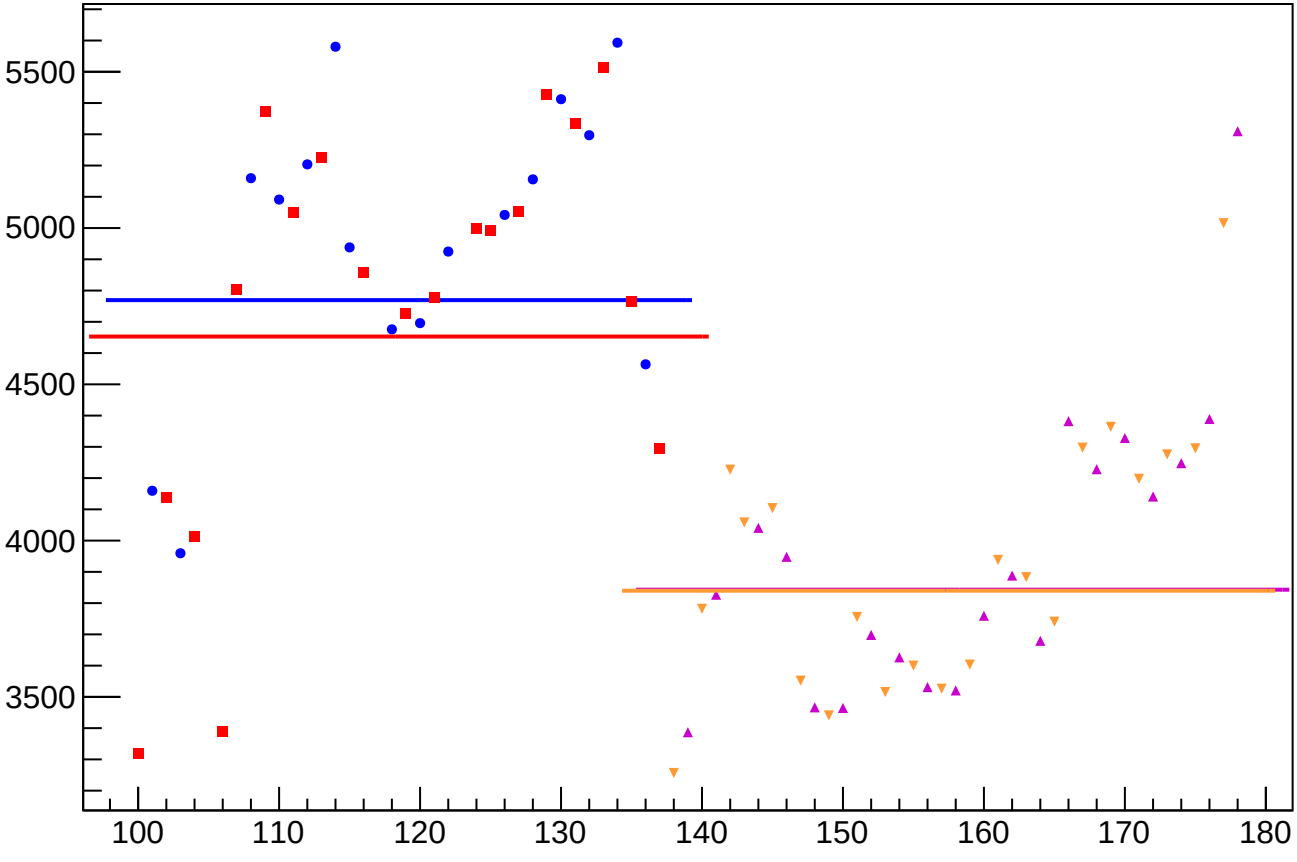
Right: 17.148+/-1.235 χ^2/NDF: 218.2/34

In: 6.375+/-0.843 χ^2/NDF:286.9/35

Out: -0.781+/-0.828 χ^2/NDF:215.5/39

All: 2.732+/-0.591 χ^2/NDF: 539.0/75

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: 3843.019+/-0.677 χ^2/NDF:335437.9/19

Left: 3841.353+/-0.476 χ^2/NDF: 659393.3/40

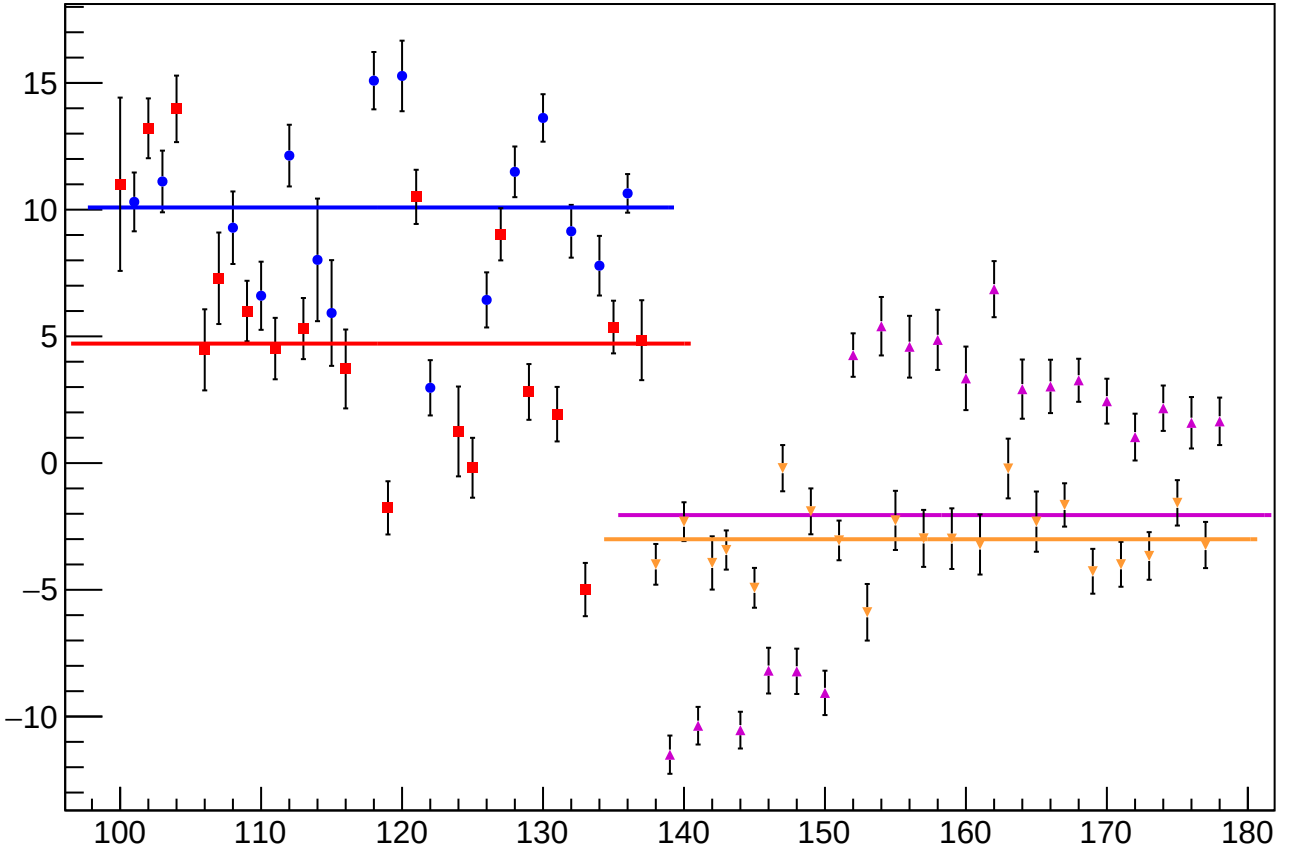
Right: 4708.872+/-0.873 χ^2/NDF: 421232.0/34

In: 4050.482+/-0.596 χ^2/NDF:906562.2/35

Out: 4029.645+/-0.586 χ^2/NDF:934283.8/39

All: 4039.874+/-0.418 χ^2/NDF: 1841467.6/75

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: -2.052+/-0.208 χ^2/NDF:988.2/19

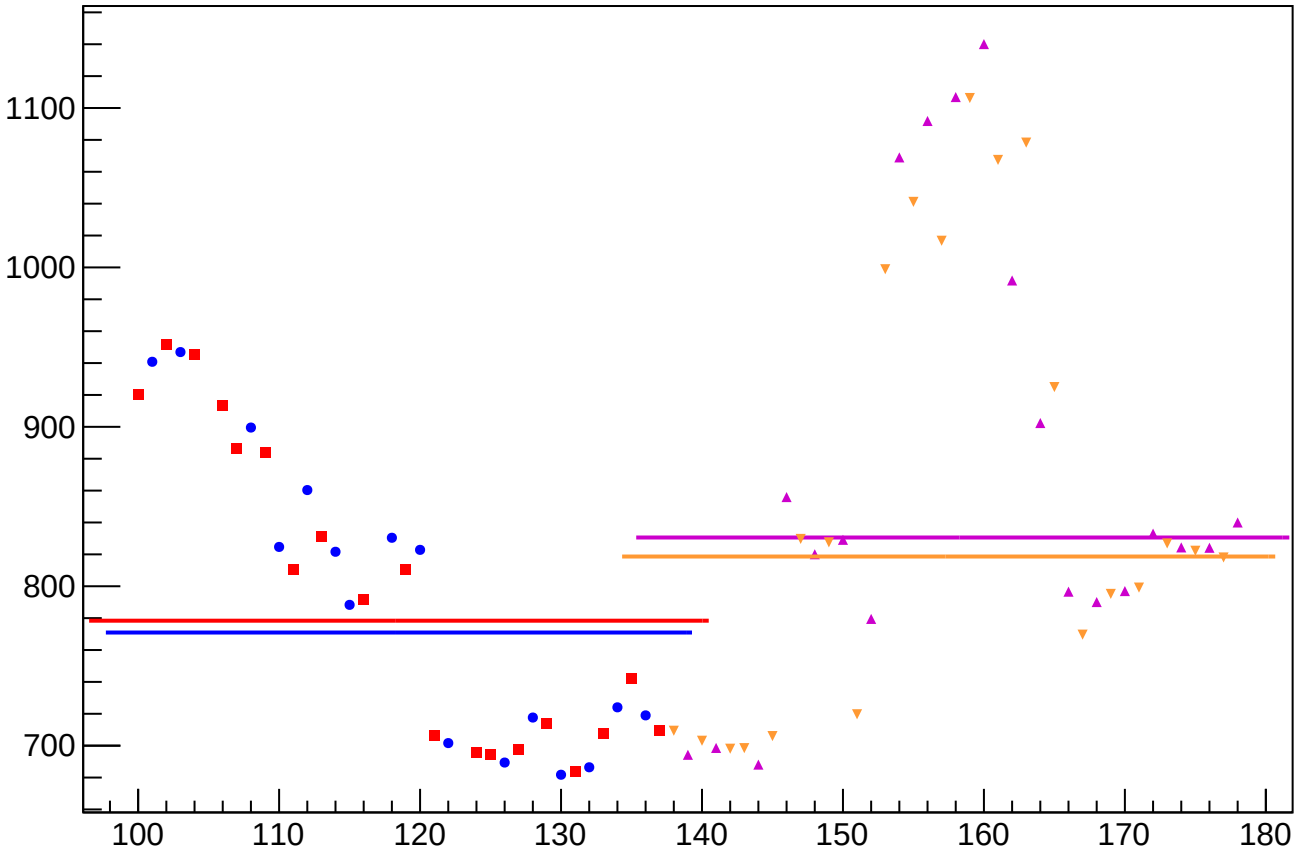
Left: -2.540+/-0.146 χ^2/NDF: 1041.2/40

Right: 7.376+/-0.203 χ^2/NDF: 609.2/34

In: 2.113+/-0.169 χ^2/NDF:2276.0/35

Out: -0.409+/-0.166 χ^2/NDF:836.9/39

All: 0.828+/-0.118 χ^2/NDF: 3226.4/75



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: 830.578+/-0.147 χ^2/NDF:682294.8/19

Left: 824.468+/-0.103 χ^2/NDF: 1429043.1/40

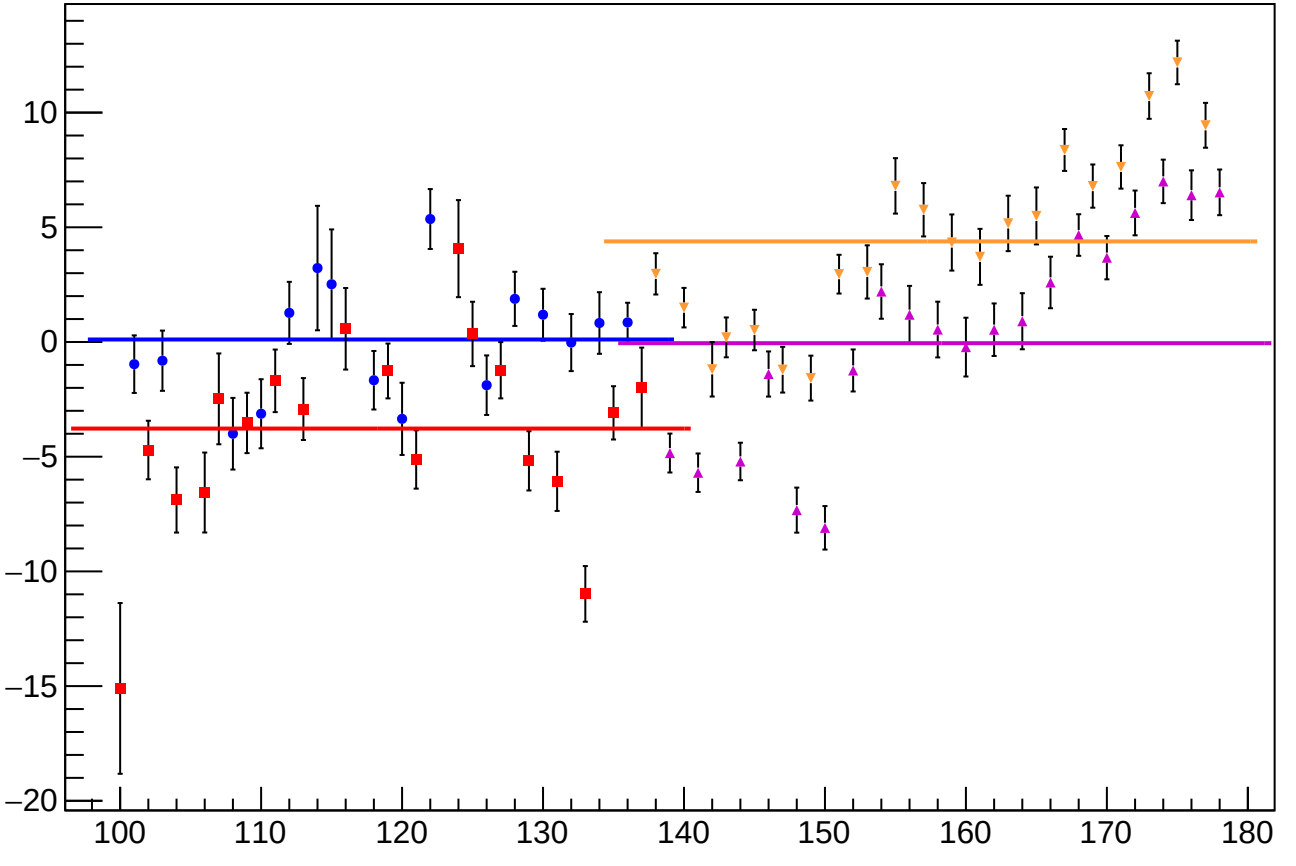
Right: 774.717+/-0.144 χ^2/NDF: 390124.3/34

In: 810.128+/-0.119 χ^2/NDF:931335.4/35

Out: 805.111+/-0.117 χ^2/NDF:966275.6/39

All: 807.572+/-0.084 χ^2/NDF: 1898510.2/75

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: -0.052+/-0.224 χ^2/NDF:469.9/19

Left: 2.216+/-0.157 χ^2/NDF: 1000.1/40

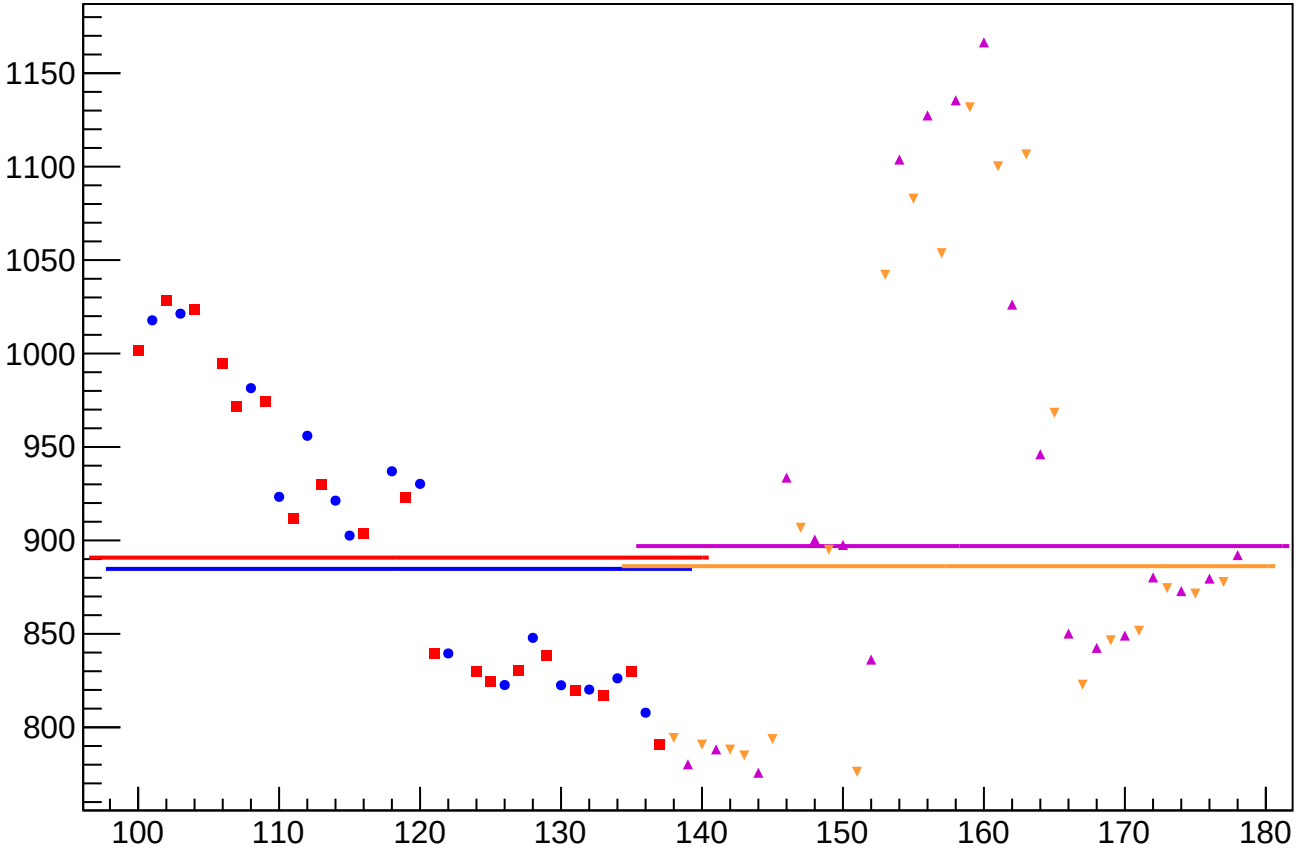
Right: -1.855+/-0.232 χ^2/NDF: 215.0/34

In: -0.001+/-0.185 χ^2/NDF:515.4/35

Out: 1.845+/-0.182 χ^2/NDF:860.8/39

All: 0.939+/-0.130 χ^2/NDF: 1426.6/75

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: 896.975+/-0.158 χ^2/NDF:467812.0/19

Left: 891.479+/-0.111 χ^2/NDF: 977865.3/40

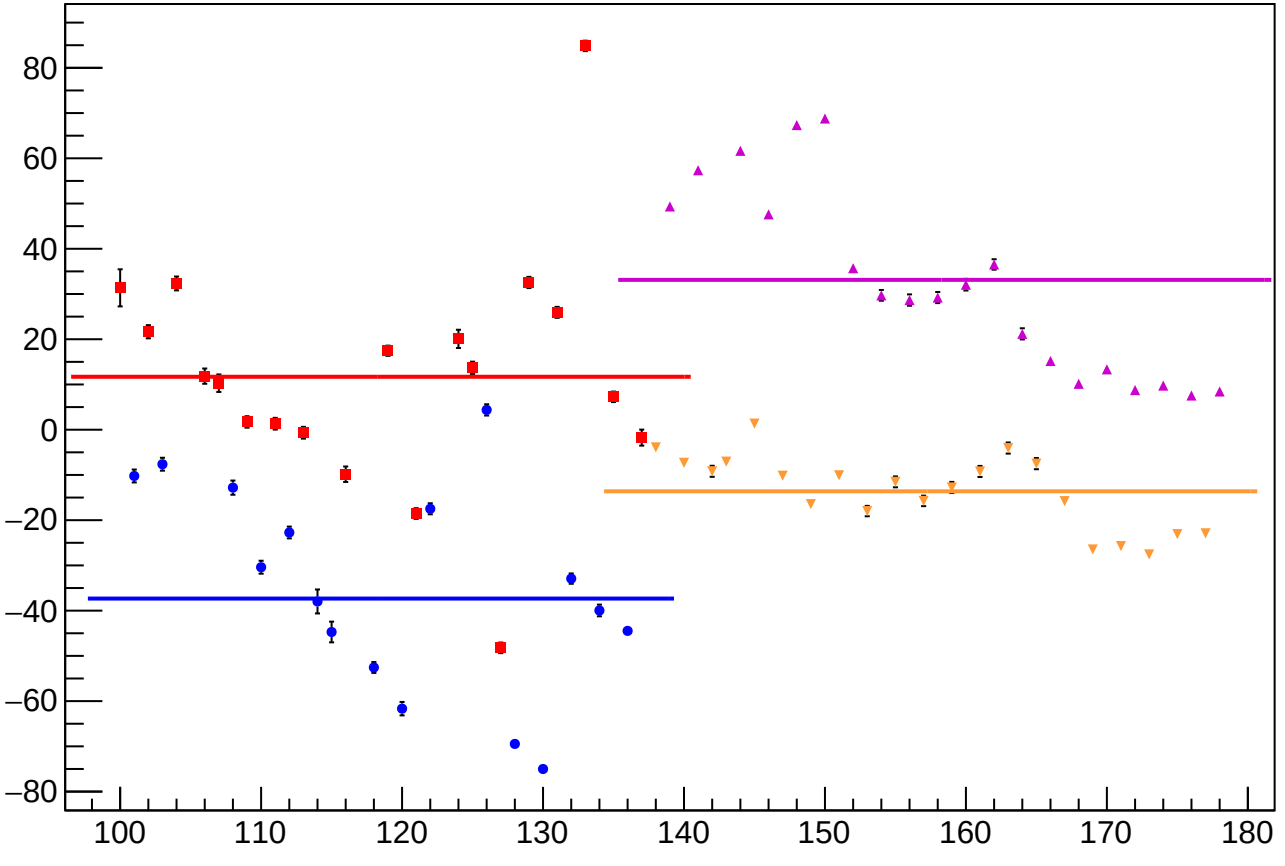
Right: 887.830+/-0.164 χ^2/NDF: 212597.1/34

In: 893.121+/-0.131 χ^2/NDF:574177.9/35

Out: 887.652+/-0.129 χ^2/NDF:615737.7/39

All: 890.335+/-0.092 χ^2/NDF: 1190802.4/75

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: 33.126+/-0.227 χ^2/NDF:8667.1/19

Left: 9.152+/-0.158 χ^2/NDF: 31858.1/40

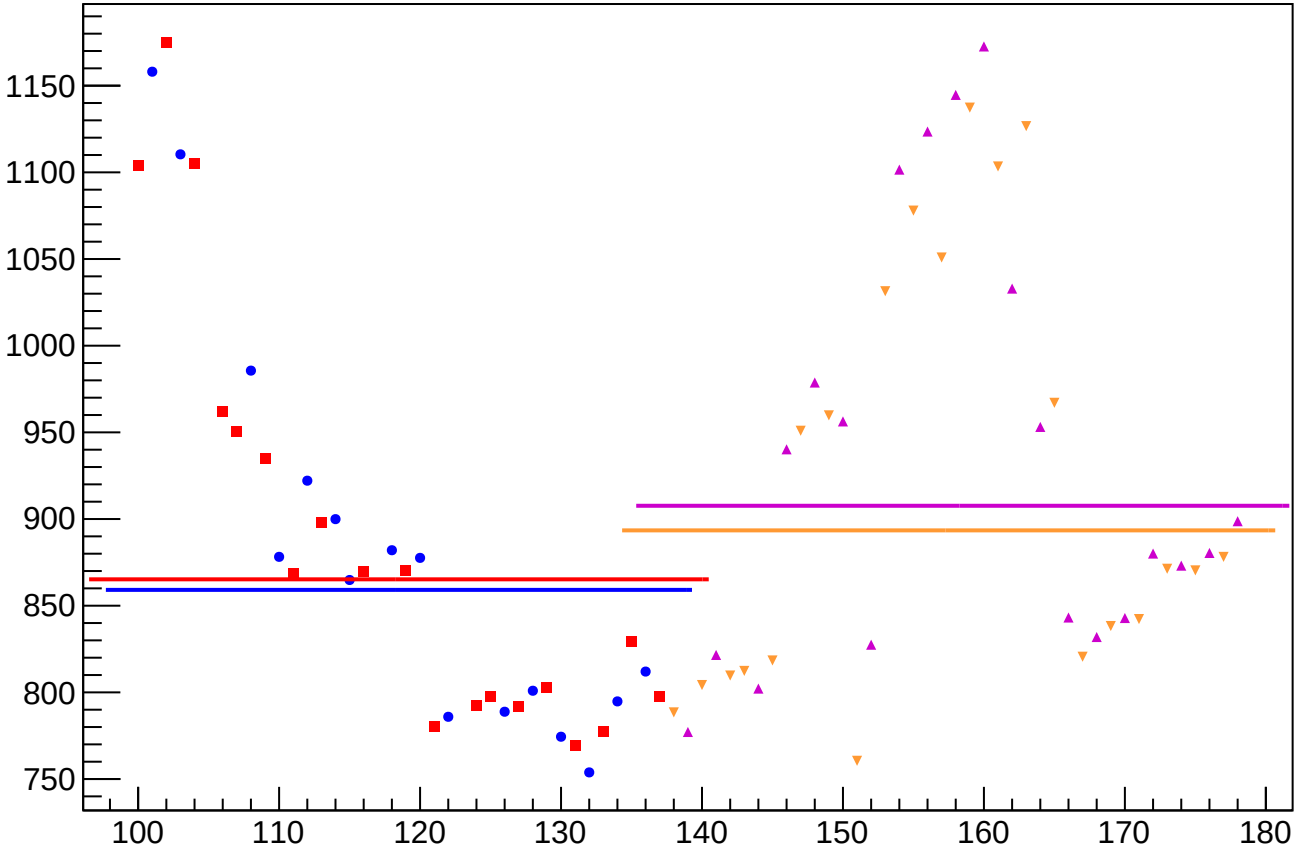
Right: -12.519+/-0.226 χ^2/NDF: 25401.8/34

In: 9.729+/-0.185 χ^2/NDF:45882.7/35

Out: -5.364+/-0.182 χ^2/NDF:14155.8/39

All: 2.023+/-0.130 χ^2/NDF: 63422.3/75

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: 907.647+/-0.160 χ^2/NDF:464354.6/19

Left: 900.368+/-0.112 χ^2/NDF: 978858.9/40

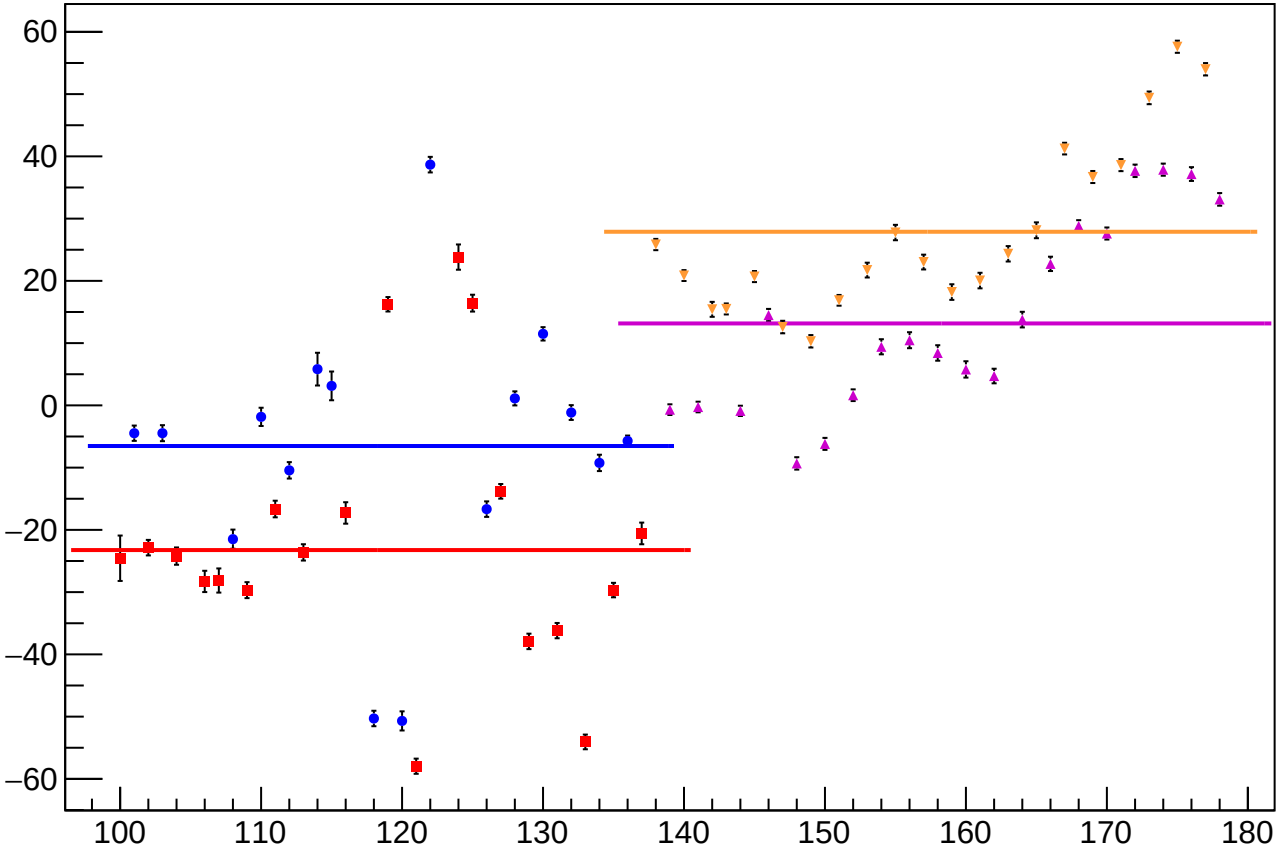
Right: 862.206+/-0.160 χ^2/NDF: 452741.3/34

In: 891.535+/-0.131 χ^2/NDF:723447.4/35

Out: 884.248+/-0.128 χ^2/NDF:744795.6/39

All: 887.814+/-0.092 χ^2/NDF: 1469820.4/75

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: 13.161+/-0.229 χ^2/NDF:4638.6/19

Left: 20.690+/-0.160 χ^2/NDF: 10514.5/40

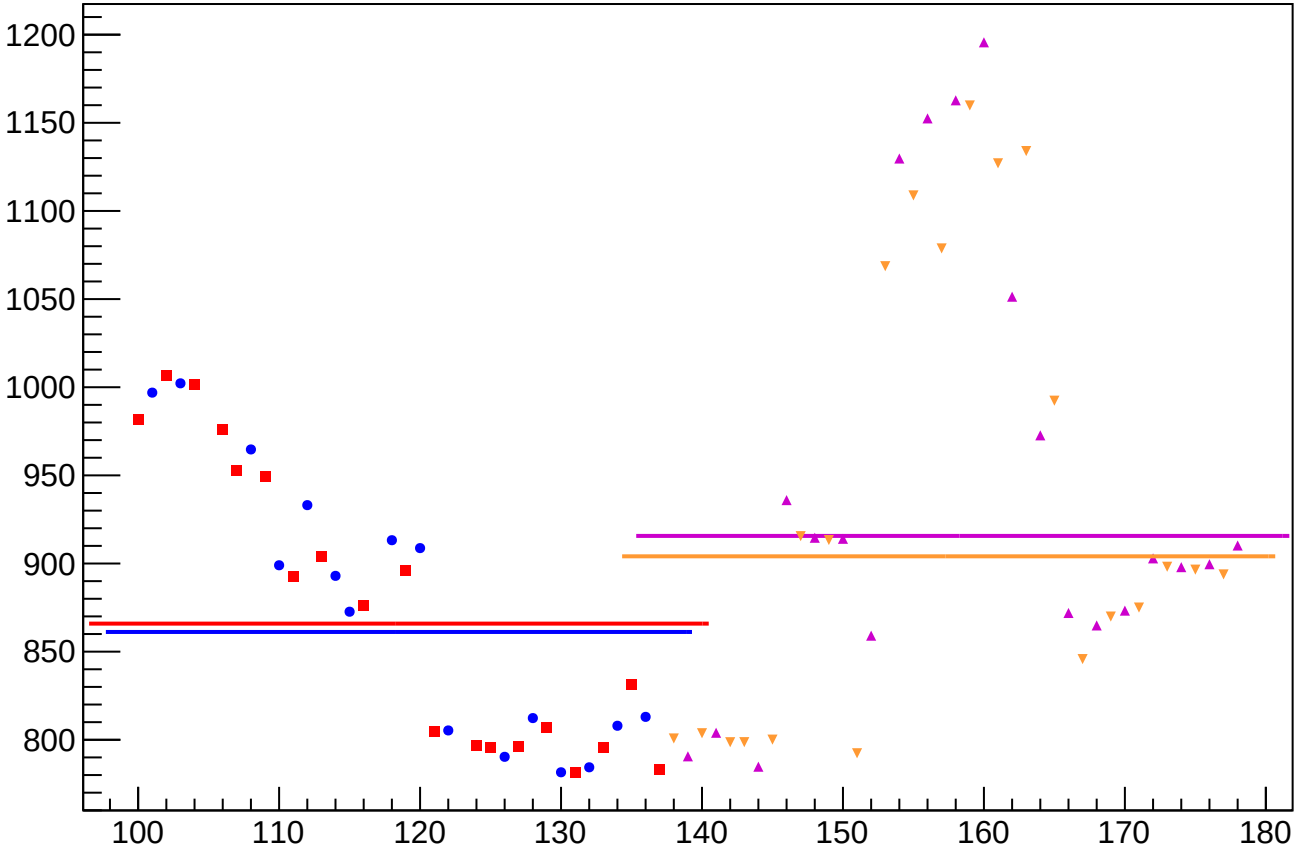
Right: -14.995+/-0.226 χ^2/NDF: 9787.9/34

In: 6.532+/-0.186 χ^2/NDF:11077.4/35

Out: 10.889+/-0.183 χ^2/NDF:25593.4/39

All: 8.753+/-0.130 χ^2/NDF: 36949.4/75

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: 915.659+/-0.162 χ^2/NDF:479832.7/19

Left: 909.740+/-0.113 χ^2/NDF: 1013717.4/40

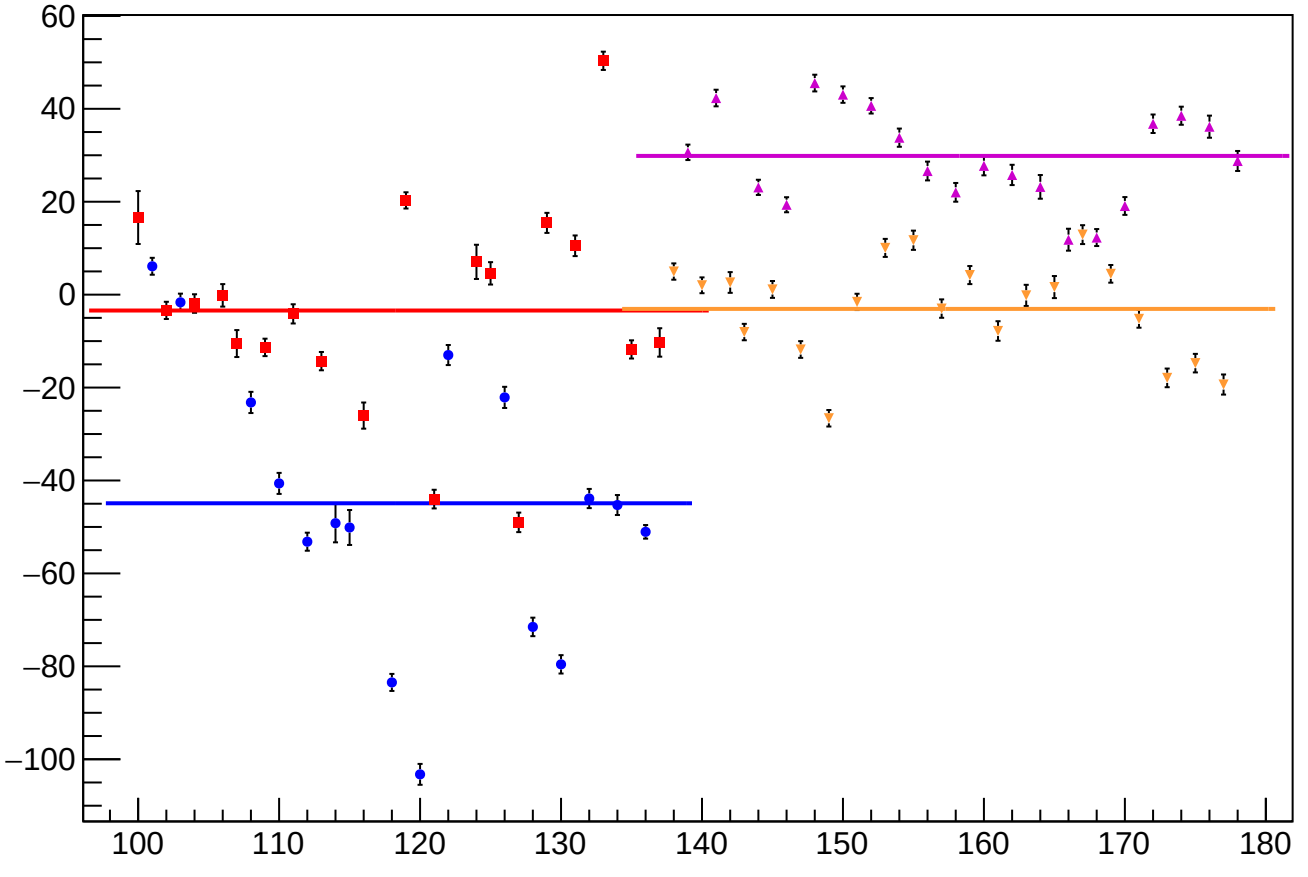
Right: 863.569+/-0.160 χ^2/NDF: 232168.2/34

In: 897.314+/-0.132 χ^2/NDF:631544.9/35

Out: 891.390+/-0.129 χ^2/NDF:669043.0/39

All: 894.294+/-0.092 χ^2/NDF: 1301617.9/75

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: 29.860+/-0.429 χ^2/NDF:536.5/19

Left: 13.192+/-0.302 χ^2/NDF: 4112.9/40

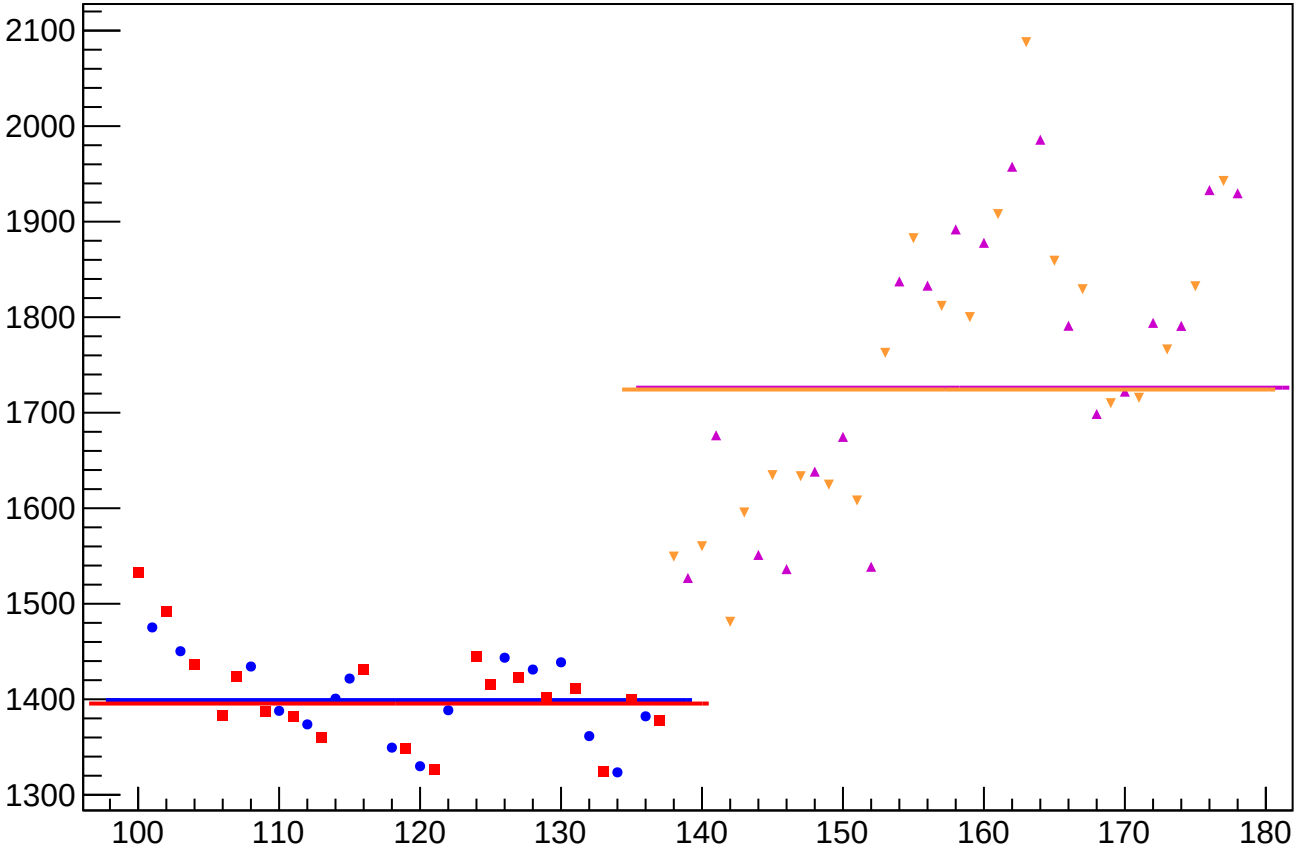
Right: -23.727+/-0.364 χ^2/NDF: 8730.3/34

In: -0.431+/-0.331 χ^2/NDF:16215.9/35

Out: -3.211+/-0.326 χ^2/NDF:2697.5/39

All: -1.843+/-0.232 χ^2/NDF: 18949.2/75

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: 1726.214+/-0.303 χ^2/NDF:231614.1/19

Left: 1725.227+/-0.213 χ^2/NDF: 454315.9/40

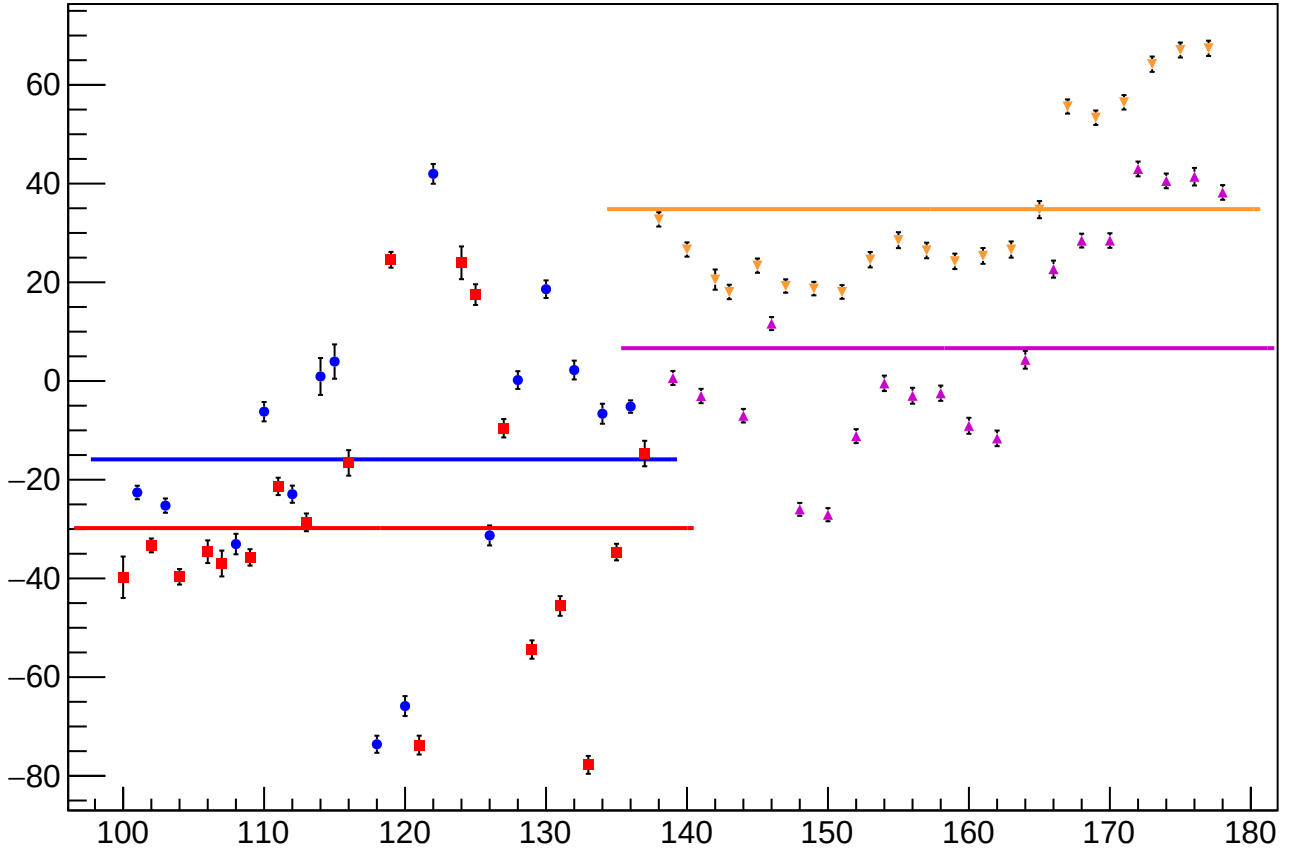
Right: 1397.321+/-0.257 χ^2/NDF: 31134.7/34

In: 1593.712+/-0.234 χ^2/NDF:717225.1/35

Out: 1589.736+/-0.230 χ^2/NDF:731393.0/39

All: 1591.693+/-0.164 χ^2/NDF: 1448764.7/75

diff_bpm0i02Y_mean vs Slug, Sign Corrected



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: 6.653+/-0.334 χ^2/NDF:4384.0/19

Left: 20.854+/-0.235 χ^2/NDF: 10686.1/40

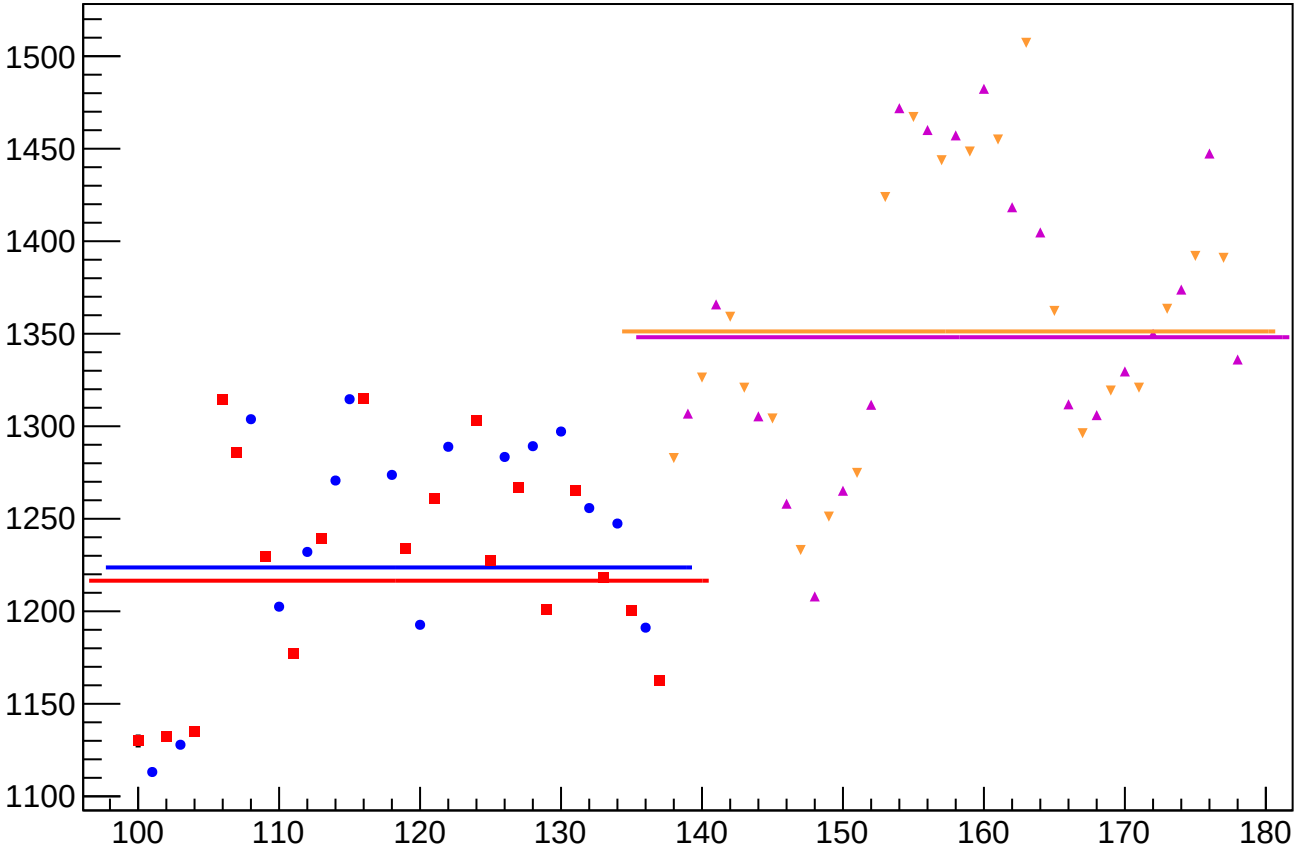
Right: -23.008+/-0.318 χ^2/NDF: 7638.0/34

In: -1.238+/-0.269 χ^2/NDF:9453.4/35

Out: 11.715+/-0.266 χ^2/NDF:19990.1/39

All: 5.328+/-0.189 χ^2/NDF: 30615.3/75

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: 1348.120+/-0.236 χ^2/NDF:106292.6/19

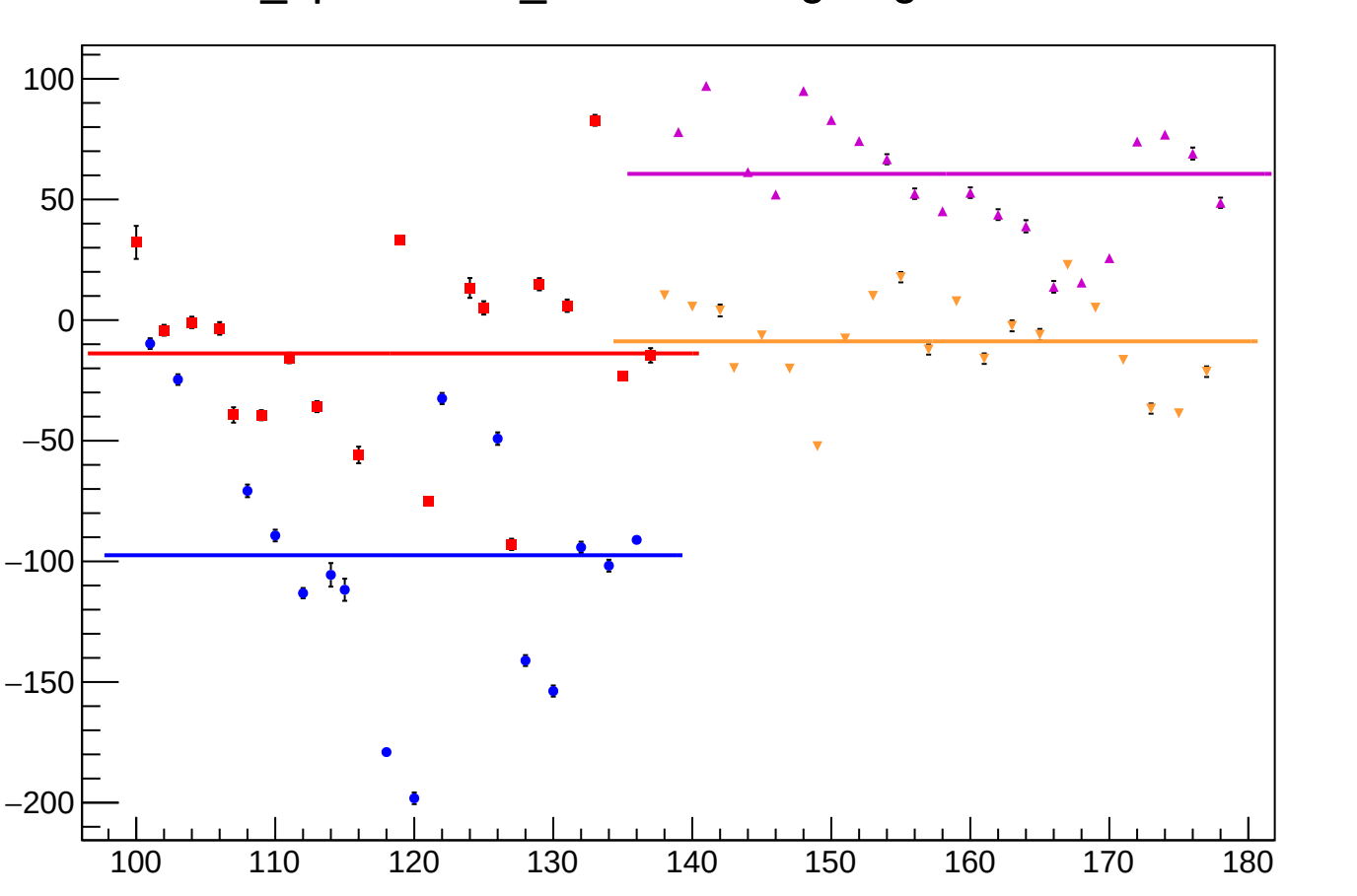
Left: 1349.698+/-0.166 χ^2/NDF: 209656.3/40

Right: 1220.031+/-0.225 χ^2/NDF: 70518.8/34

In: 1304.542+/-0.191 χ^2/NDF:244240.4/35

Out: 1303.075+/-0.188 χ^2/NDF:250747.2/39

All: 1303.799+/-0.134 χ^2/NDF: 495017.7/75



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: 60.609+/-0.442 χ^2/NDF:2759.7/19

Left: 25.398+/-0.310 χ^2/NDF: 17204.4/40

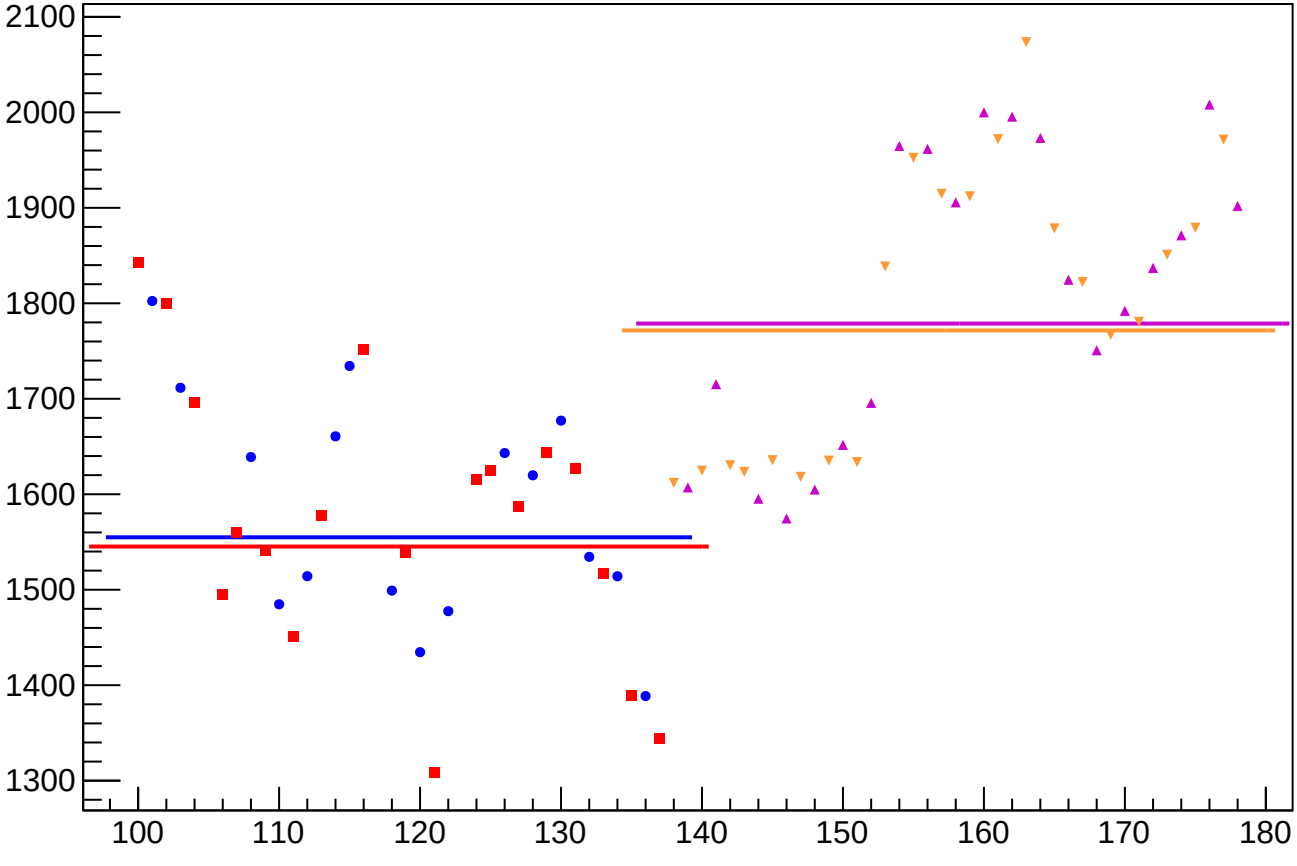
Right: -54.632+/-0.405 χ^2/NDF: 24320.8/34

In: 2.479+/-0.351 χ^2/NDF:58109.6/35

Out: -10.665+/-0.345 χ^2/NDF:7332.5/39

All: -4.212+/-0.246 χ^2/NDF: 66154.4/75

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: 1778.780+/-0.312 χ^2/NDF:230093.9/19

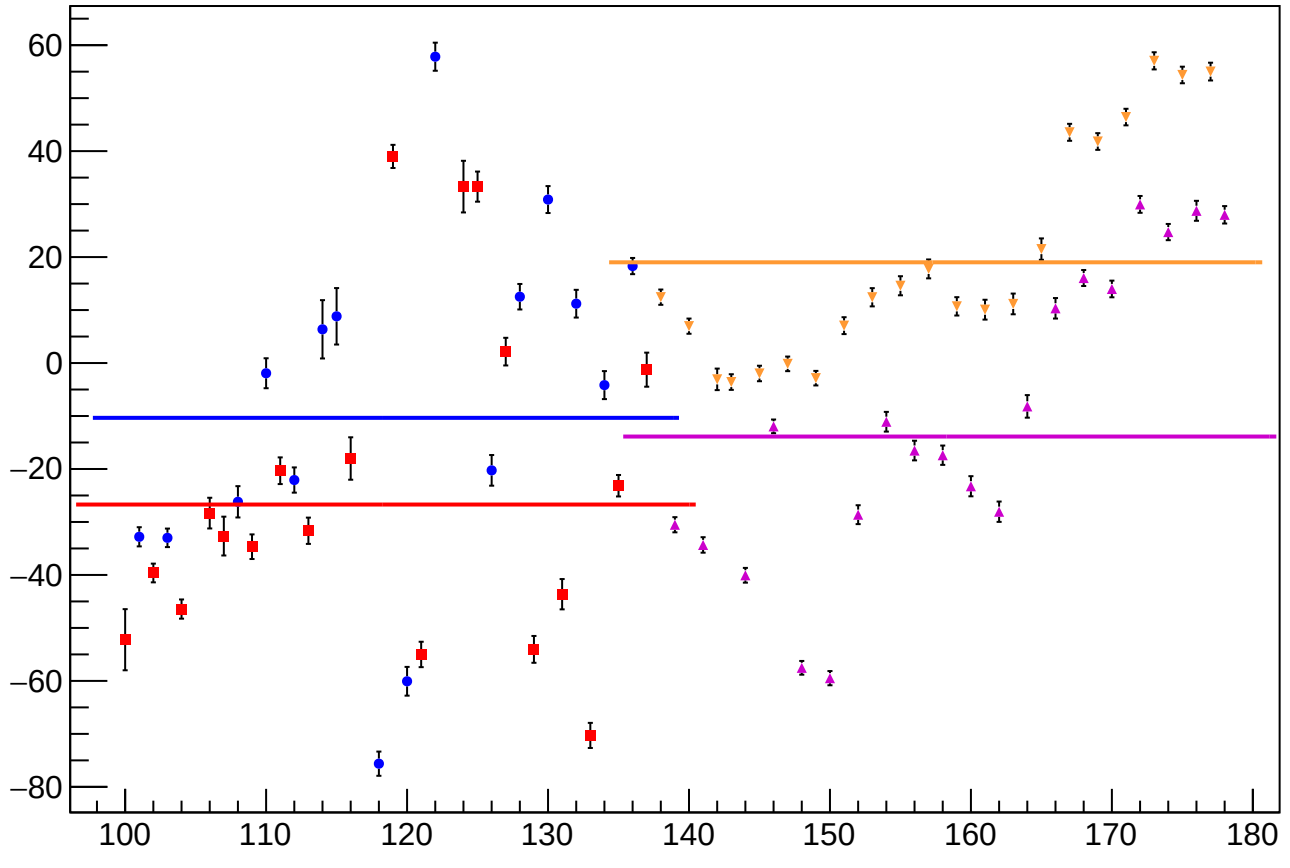
Left: 1775.120+/-0.219 χ^2/NDF: 447095.5/40

Right: 1549.957+/-0.286 χ^2/NDF: 196994.7/34

In: 1696.449+/-0.248 χ^2/NDF:506778.1/35

Out: 1687.341+/-0.244 χ^2/NDF:526541.0/39

All: 1691.812+/-0.174 χ^2/NDF: 1034003.2/75



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 19.013+/-0.353 χ^2/NDF:3511.2/20

Right Out: -26.709+/-0.586 χ^2/NDF: 2540.7/18

Left In: -13.875+/-0.359 χ^2/NDF:6555.8/19

Left: 2.831+/-0.252 χ^2/NDF: 14333.8/40

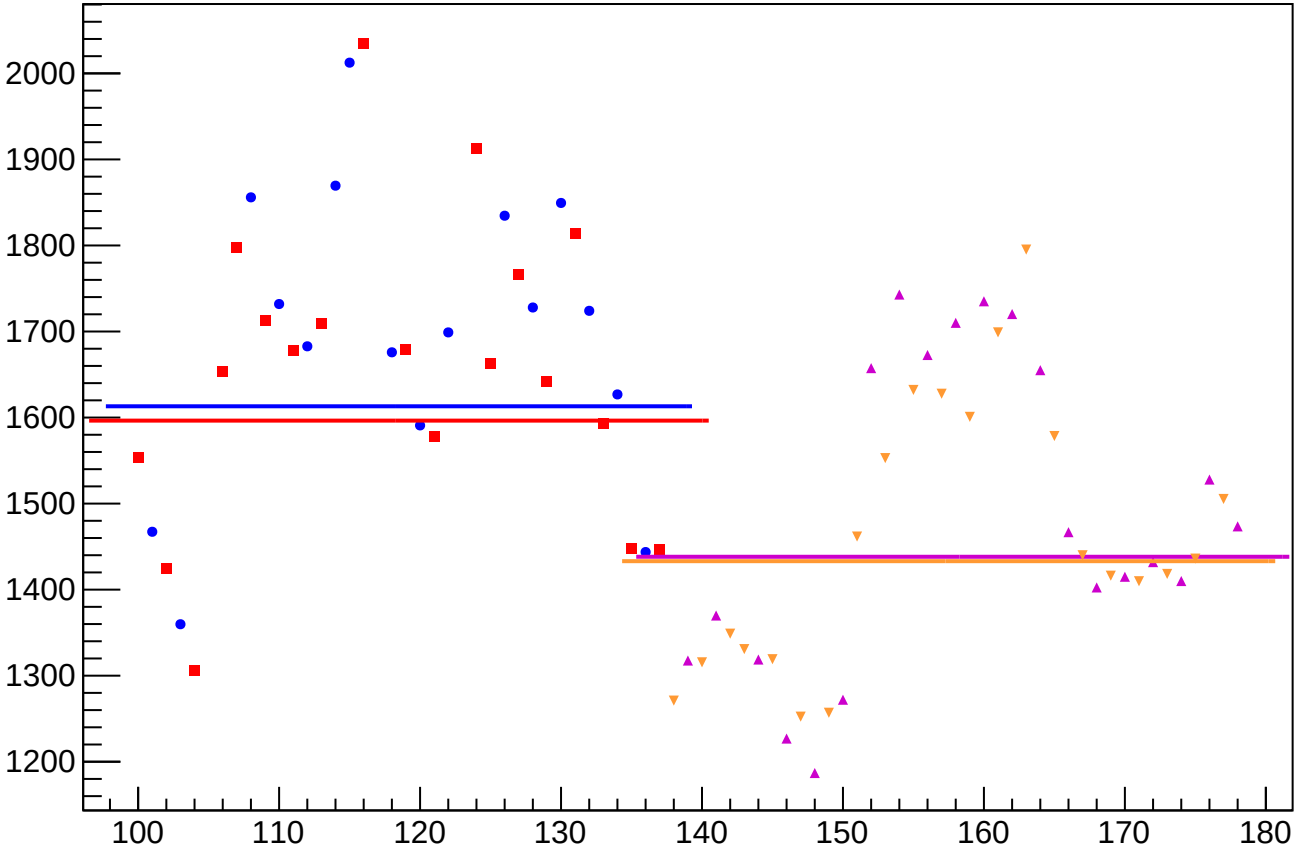
Right: -18.758+/-0.420 χ^2/NDF: 5926.2/34

In: -12.952+/-0.308 χ^2/NDF:9588.1/35

Out: 6.841+/-0.303 χ^2/NDF:10513.7/39

All: -2.866+/-0.216 χ^2/NDF: 22201.0/75

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: 1438.200+/-0.254 χ^2/NDF:473599.4/19

Left: 1435.596+/-0.178 χ^2/NDF: 806083.3/40

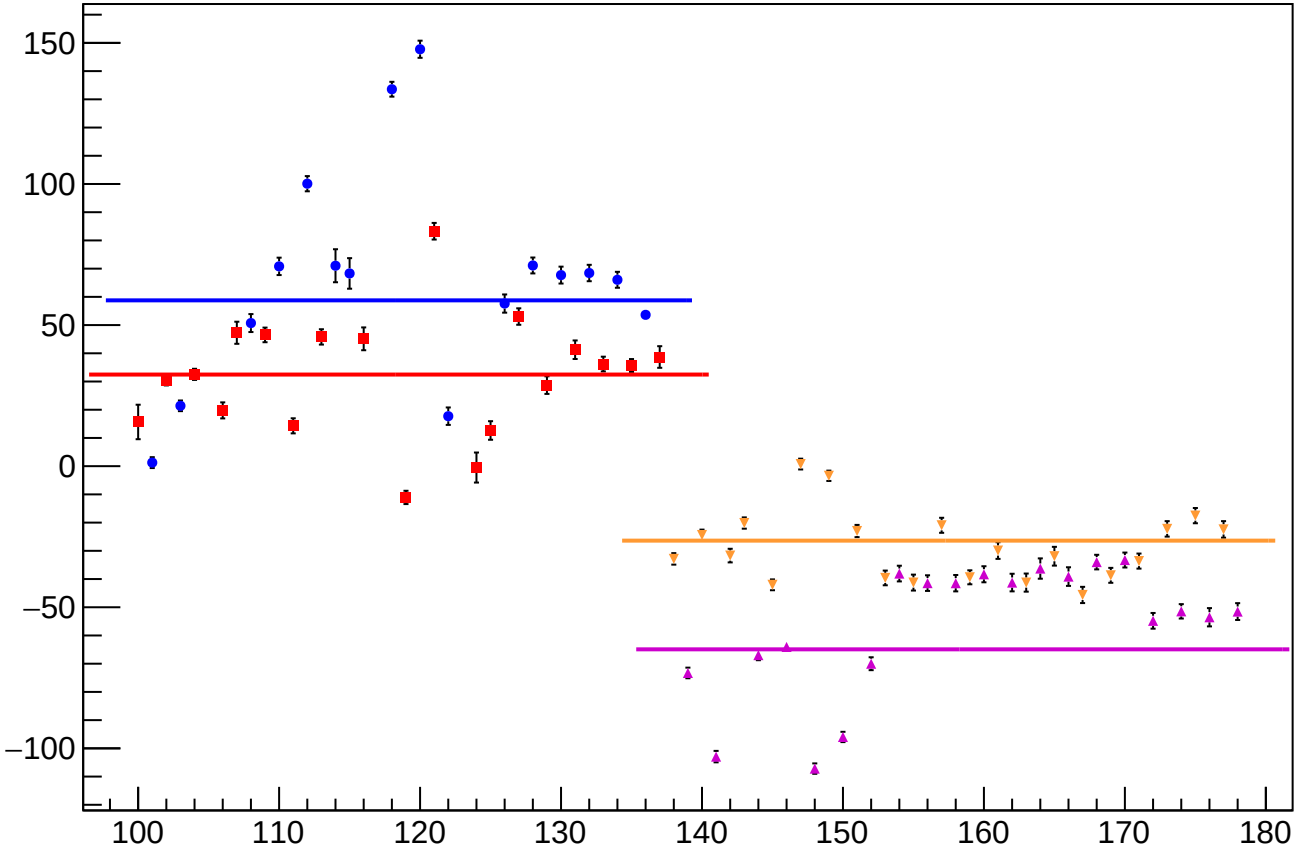
Right: 1604.533+/-0.297 χ^2/NDF: 316209.2/34

In: 1483.923+/-0.218 χ^2/NDF:752515.1/35

Out: 1476.566+/-0.214 χ^2/NDF:606912.6/39

All: 1480.174+/-0.153 χ^2/NDF: 1360007.8/75

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: -64.911+/-0.535 χ^2/NDF:2053.1/19

Left: -45.207+/-0.374 χ^2/NDF: 5357.8/40

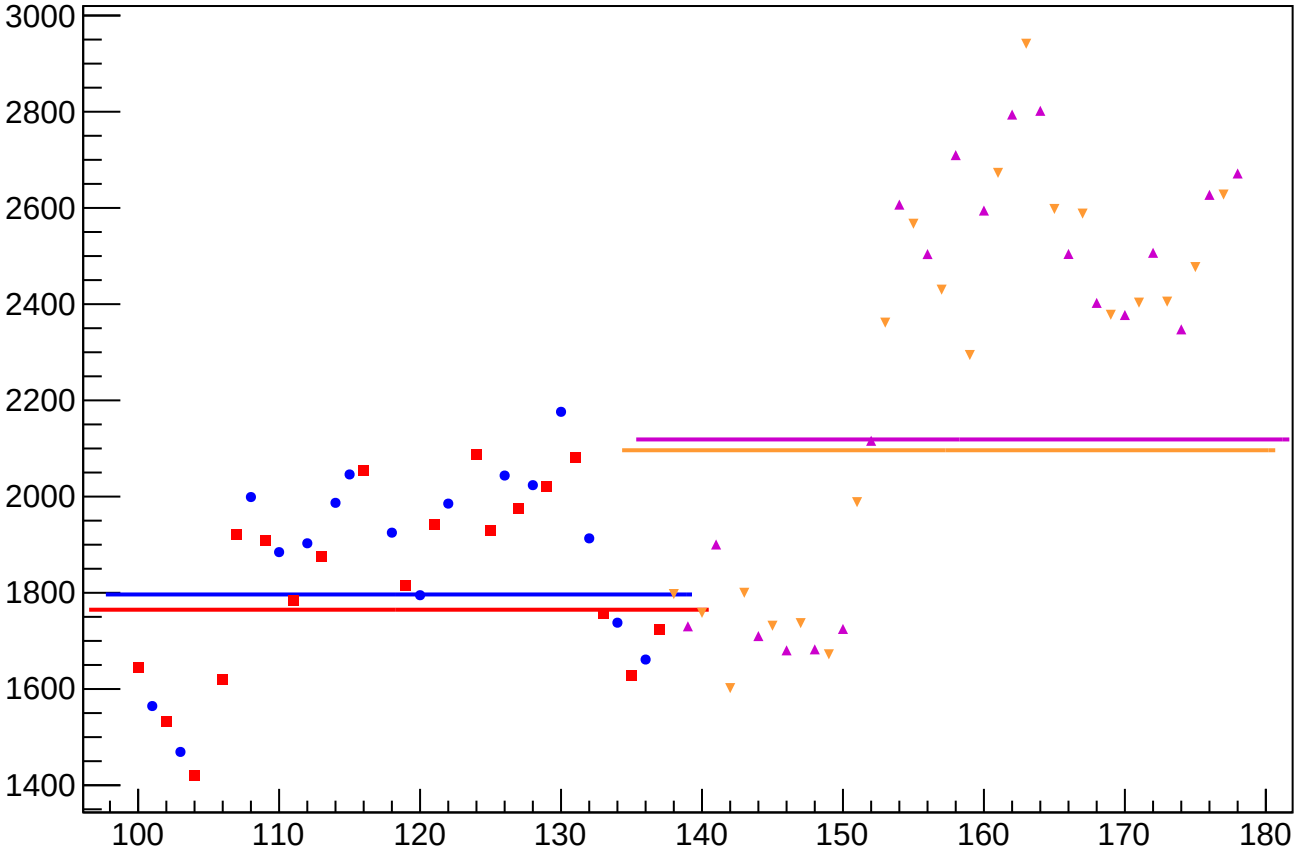
Right: 45.136+/-0.467 χ^2/NDF: 5166.5/34

In: -16.977+/-0.419 χ^2/NDF:26210.4/35

Out: -3.200+/-0.407 χ^2/NDF:6575.4/39

All: -9.894+/-0.292 χ^2/NDF: 33342.5/75

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: 2118.772+/-0.378 χ^2/NDF:1187520.9/19

Left: 2107.288+/-0.264 χ^2/NDF: 2296855.3/40

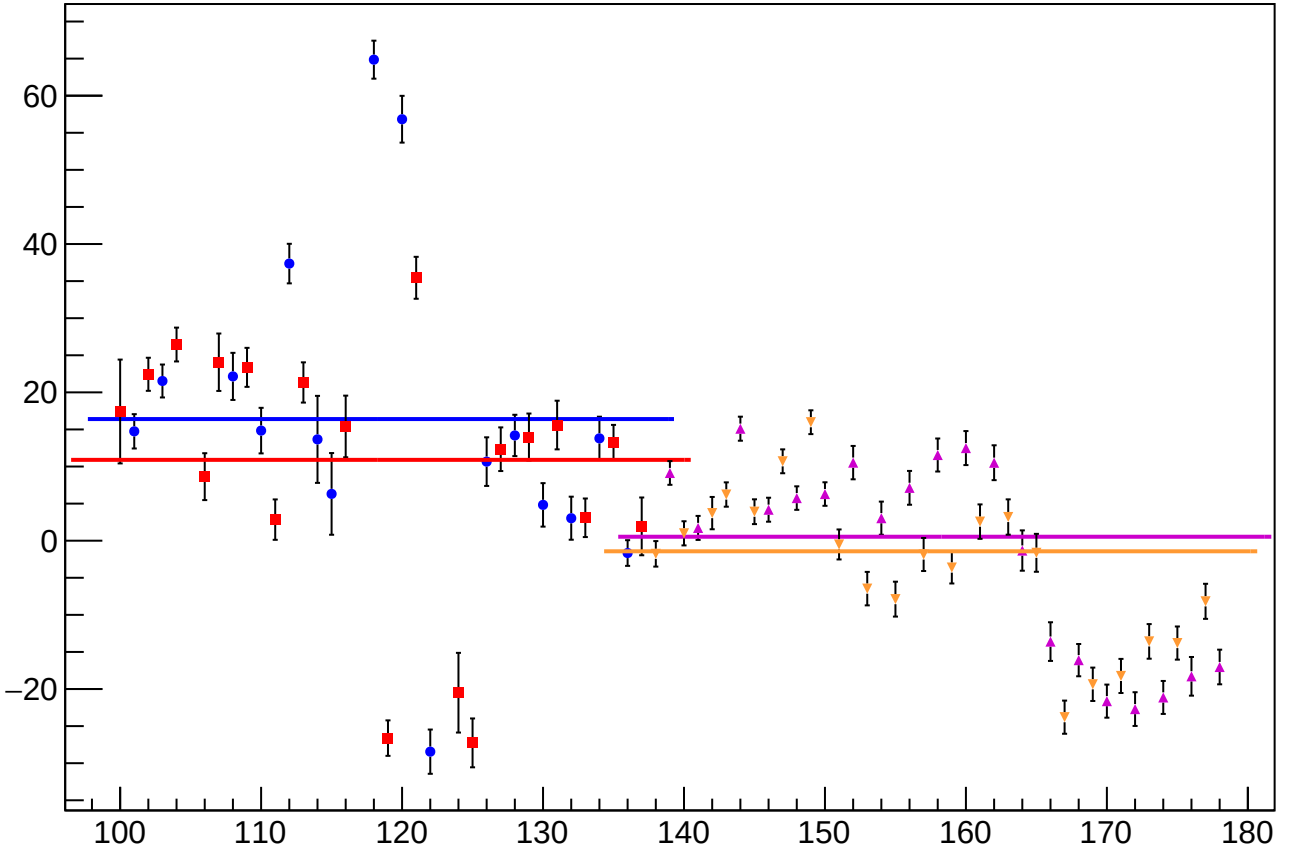
Right: 1780.131+/-0.330 χ^2/NDF: 385462.0/34

In: 1993.883+/-0.296 χ^2/NDF:1661912.7/35

Out: 1965.731+/-0.288 χ^2/NDF:1614212.9/39

All: 1979.410+/-0.206 χ^2/NDF: 3280774.7/75

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: 0.534+/-0.451 χ^2/NDF:733.6/19

Left: -0.469+/-0.315 χ^2/NDF: 1260.8/40

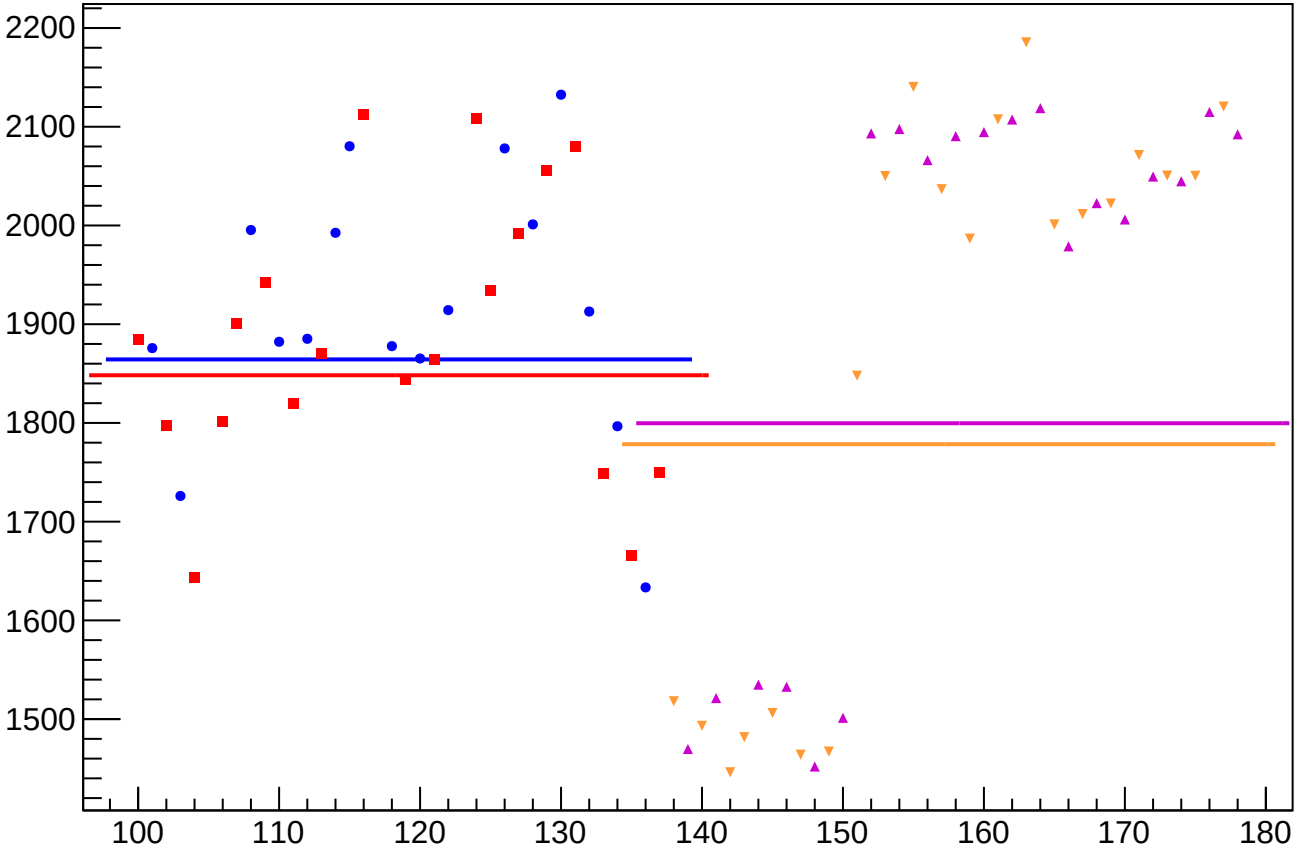
Right: 13.575+/-0.485 χ^2/NDF: 1646.8/34

In: 5.236+/-0.378 χ^2/NDF:2073.3/35

Out: 2.253+/-0.370 χ^2/NDF:1392.4/39

All: 3.710+/-0.264 χ^2/NDF: 3497.4/75

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: 1799.697+/-0.319 χ^2/NDF:801897.5/19

Left: 1788.837+/-0.223 χ^2/NDF: 1642376.6/40

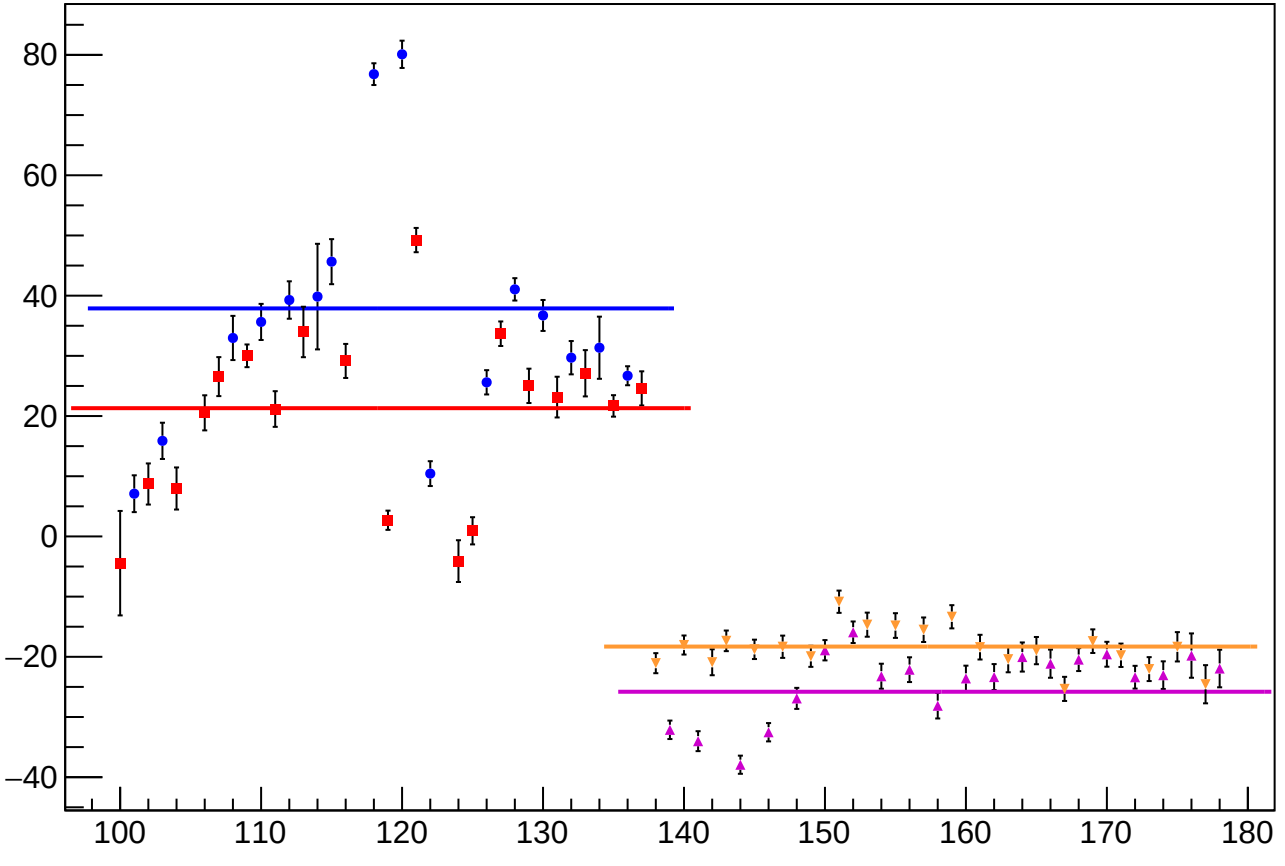
Right: 1856.091+/-0.343 χ^2/NDF: 158816.4/34

In: 1818.854+/-0.268 χ^2/NDF:897382.7/35

Out: 1799.302+/-0.261 χ^2/NDF:928128.3/39

All: 1808.849+/-0.187 χ^2/NDF: 1828243.9/75

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: -25.805+/-0.435 χ^2/NDF:215.5/19

Left: -21.962+/-0.304 χ^2/NDF: 426.0/40

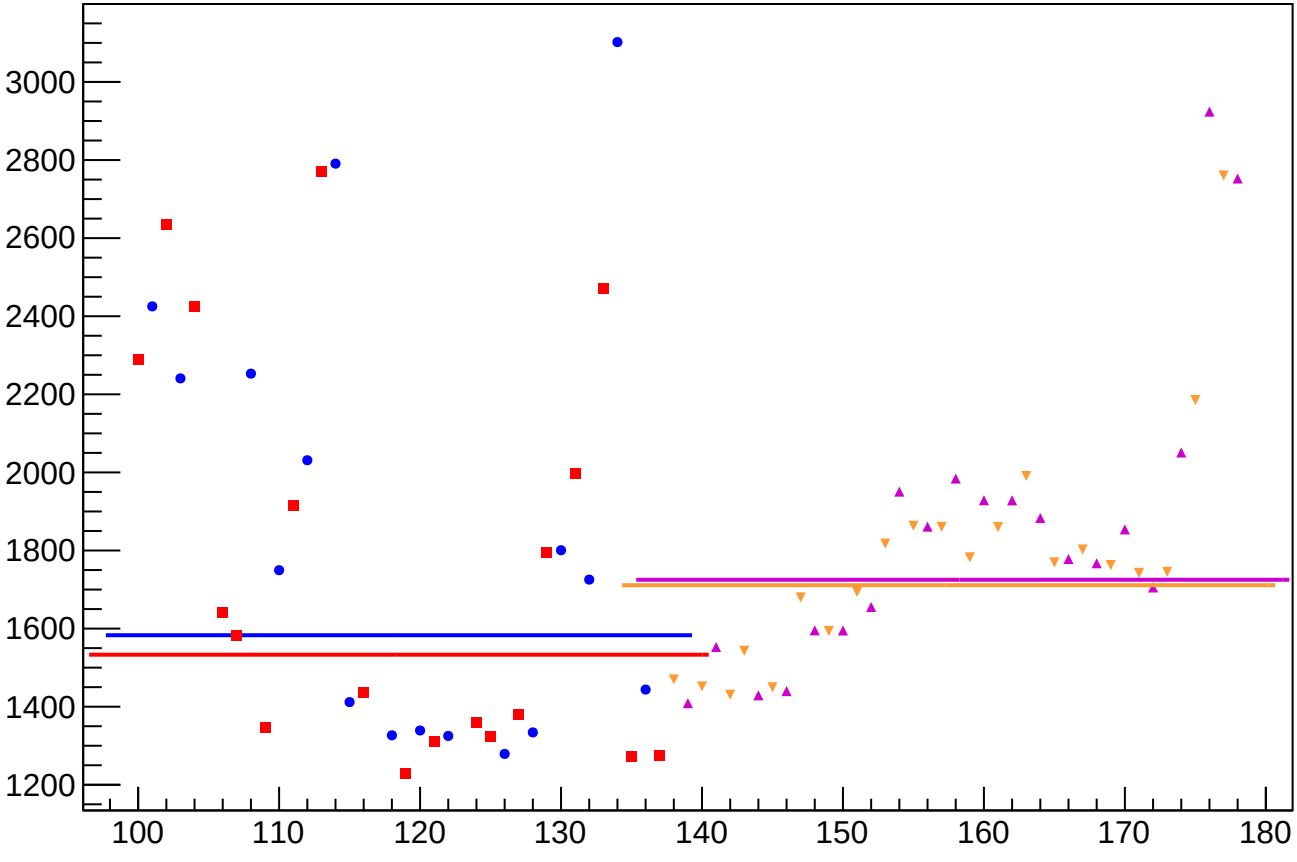
Right: 29.192+/-0.429 χ^2/NDF: 2204.2/34

In: -4.917+/-0.356 χ^2/NDF:8502.1/35

Out: -4.876+/-0.345 χ^2/NDF:3590.0/39

All: -4.896+/-0.248 χ^2/NDF: 12092.0/75

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: 1725.099+/-0.307 χ^2/NDF:865872.5/19

Left: 1717.948+/-0.215 χ^2/NDF: 1454318.9/40

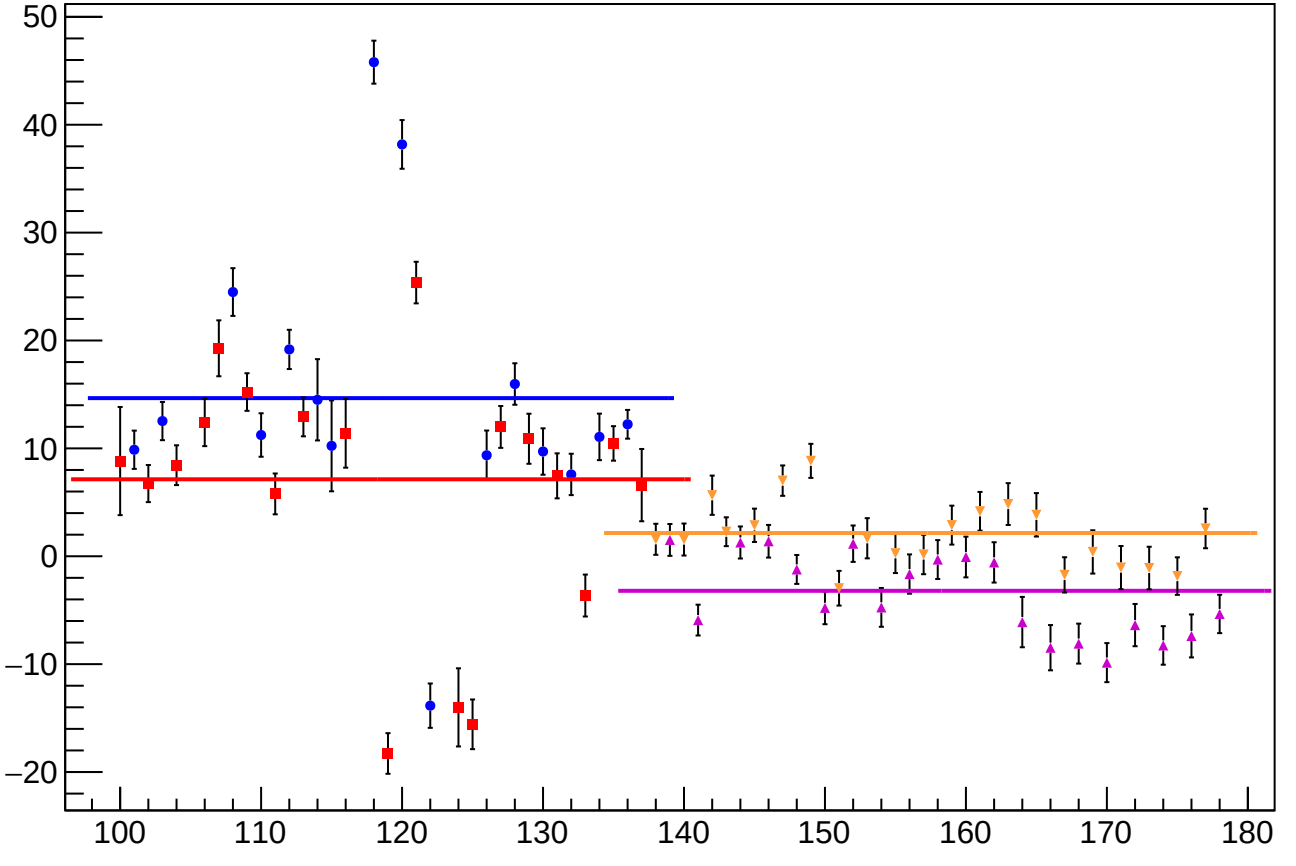
Right: 1556.913+/-0.304 χ^2/NDF: 1745178.6/34

In: 1678.509+/-0.252 χ^2/NDF:1723561.2/35

Out: 1650.825+/-0.244 χ^2/NDF:1657244.6/39

All: 1664.223+/-0.175 χ^2/NDF: 3387032.3/75

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: -3.203+/-0.383 χ^2/NDF:95.8/19

Left: -0.436+/-0.266 χ^2/NDF: 264.3/40

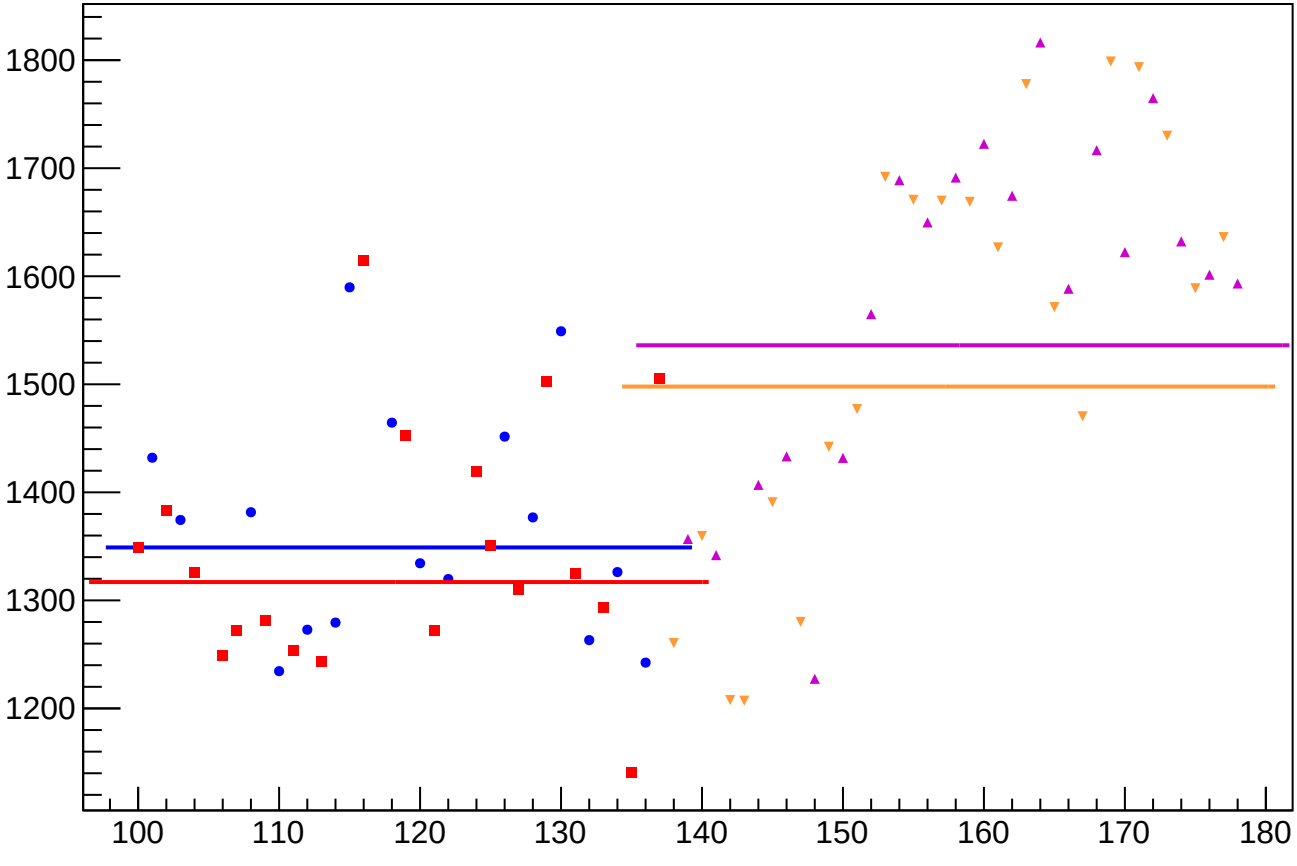
Right: 10.734+/-0.349 χ^2/NDF: 1240.2/34

In: 3.328+/-0.305 χ^2/NDF:1505.6/35

Out: 3.999+/-0.294 χ^2/NDF:643.9/39

All: 3.676+/-0.212 χ^2/NDF: 2152.0/75

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: 1536.102+/-0.271 χ^2/NDF:365401.9/19

Left: 1516.371+/-0.188 χ^2/NDF: 916750.7/40

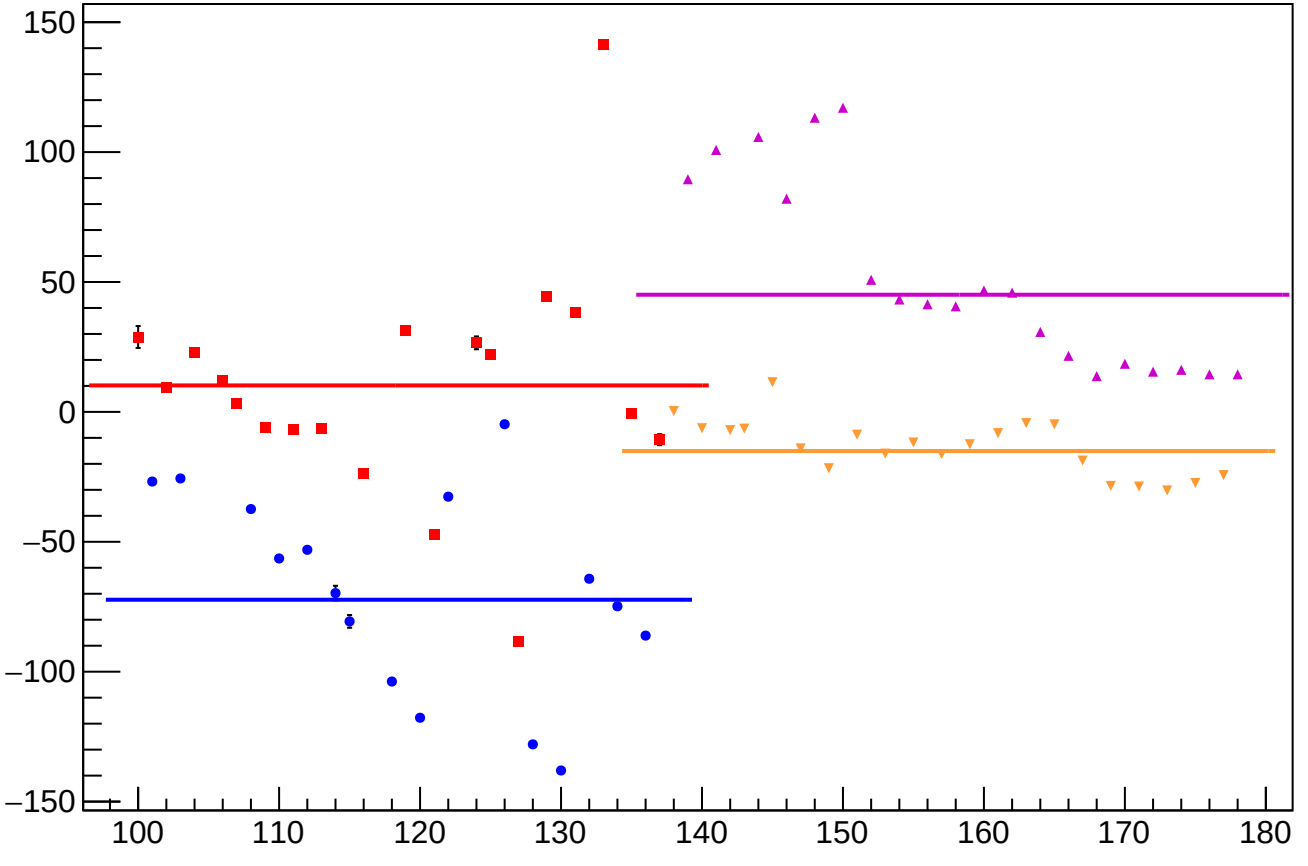
Right: 1332.289+/-0.247 χ^2/NDF: 159464.7/34

In: 1467.691+/-0.216 χ^2/NDF:608292.6/35

Out: 1430.881+/-0.208 χ^2/NDF:804525.7/39

All: 1448.611+/-0.150 χ^2/NDF: 1427913.5/75

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: 45.093+/-0.202 χ^2/NDF:26598.5/19

Left: 14.520+/-0.142 χ^2/NDF: 74275.4/40

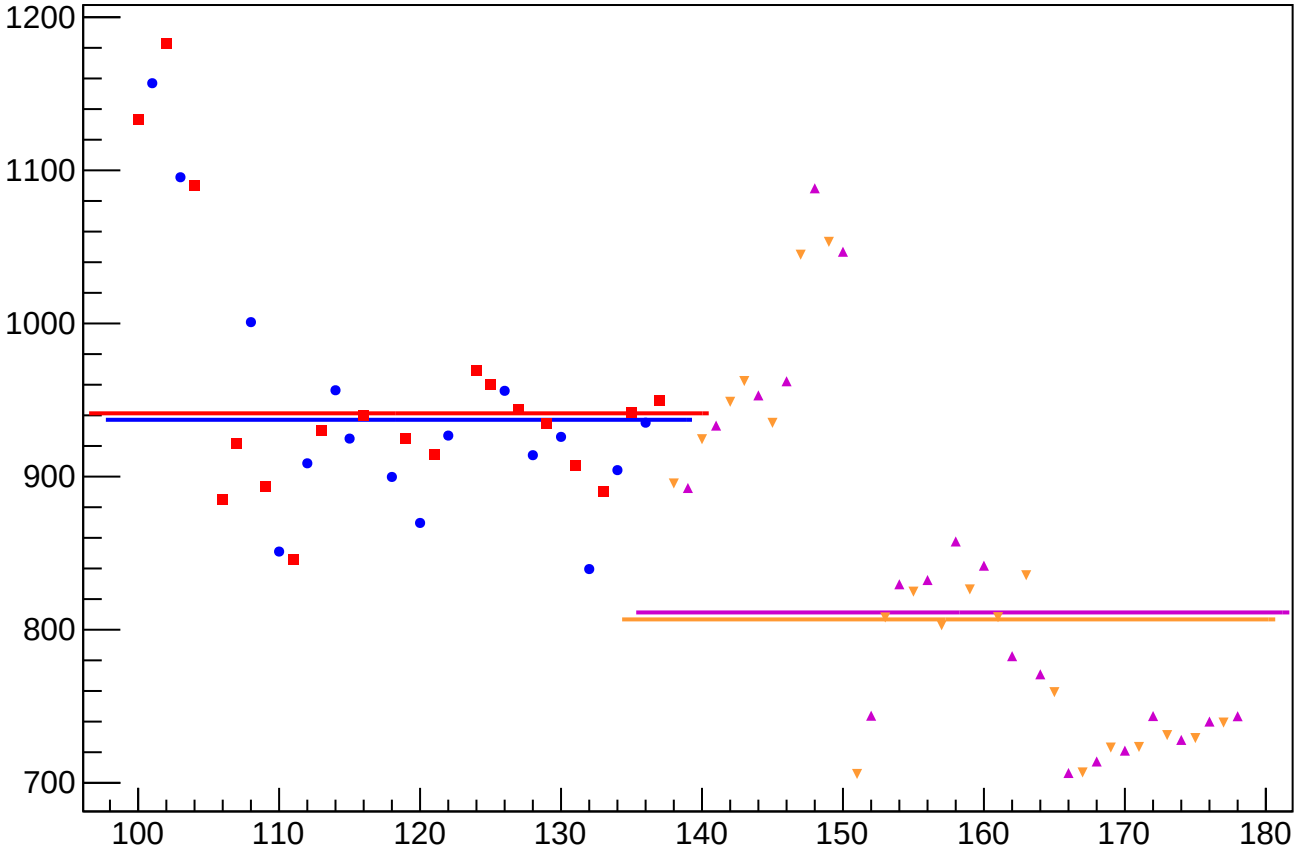
Right: -30.473+/-0.245 χ^2/NDF: 59456.9/34

In: 15.603+/-0.175 χ^2/NDF:123260.0/35

Out: -8.744+/-0.172 χ^2/NDF:25855.1/39

All: 3.237+/-0.123 χ^2/NDF: 158929.5/75

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: 811.289+/-0.143 χ^2/NDF:500967.5/19

Left: 808.976+/-0.100 χ^2/NDF: 982349.0/40

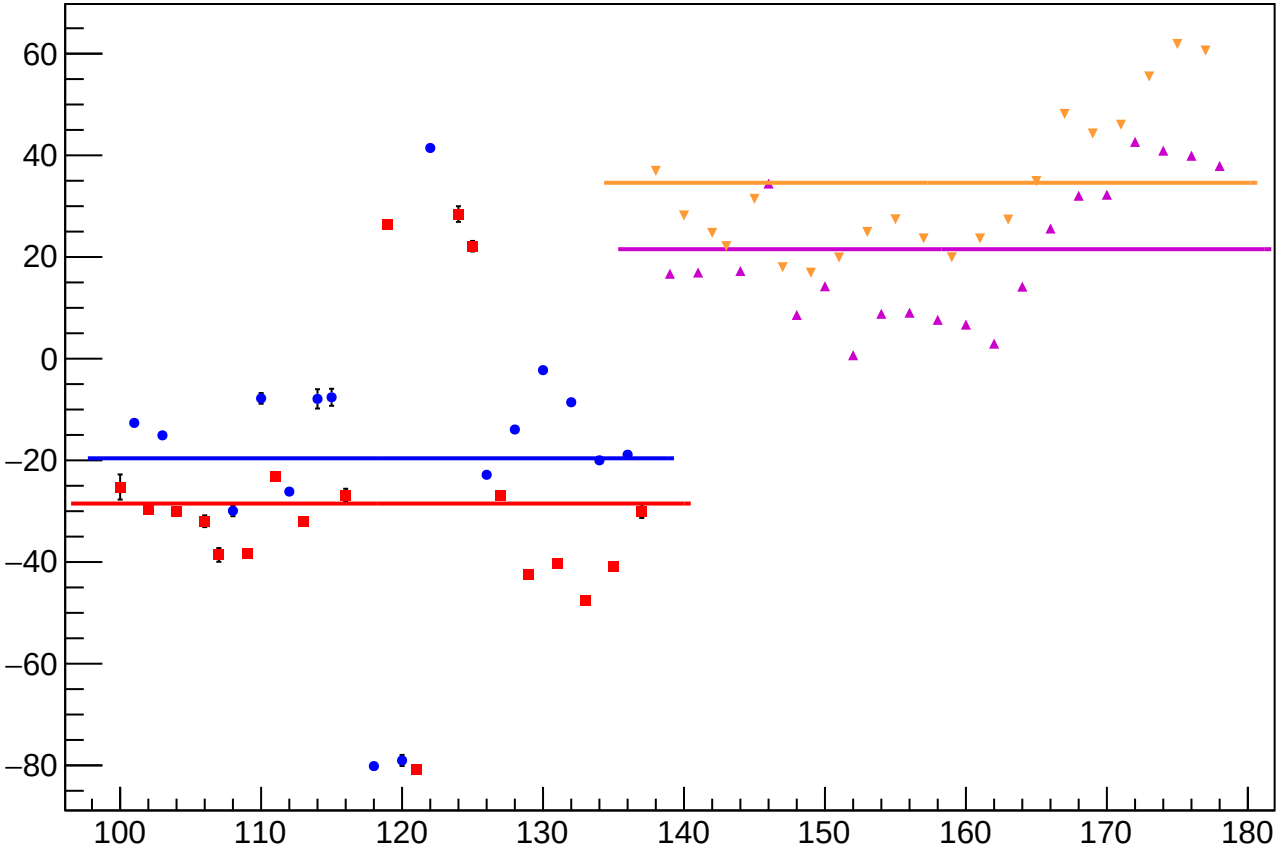
Right: 939.240+/-0.173 χ^2/NDF: 205839.9/34

In: 842.892+/-0.124 χ^2/NDF:799730.4/35

Out: 840.435+/-0.122 χ^2/NDF:810666.5/39

All: 841.644+/-0.087 χ^2/NDF: 1610596.9/75

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: 21.537+/-0.161 χ^2/NDF:7395.5/19

Left: 28.201+/-0.112 χ^2/NDF: 19141.5/40

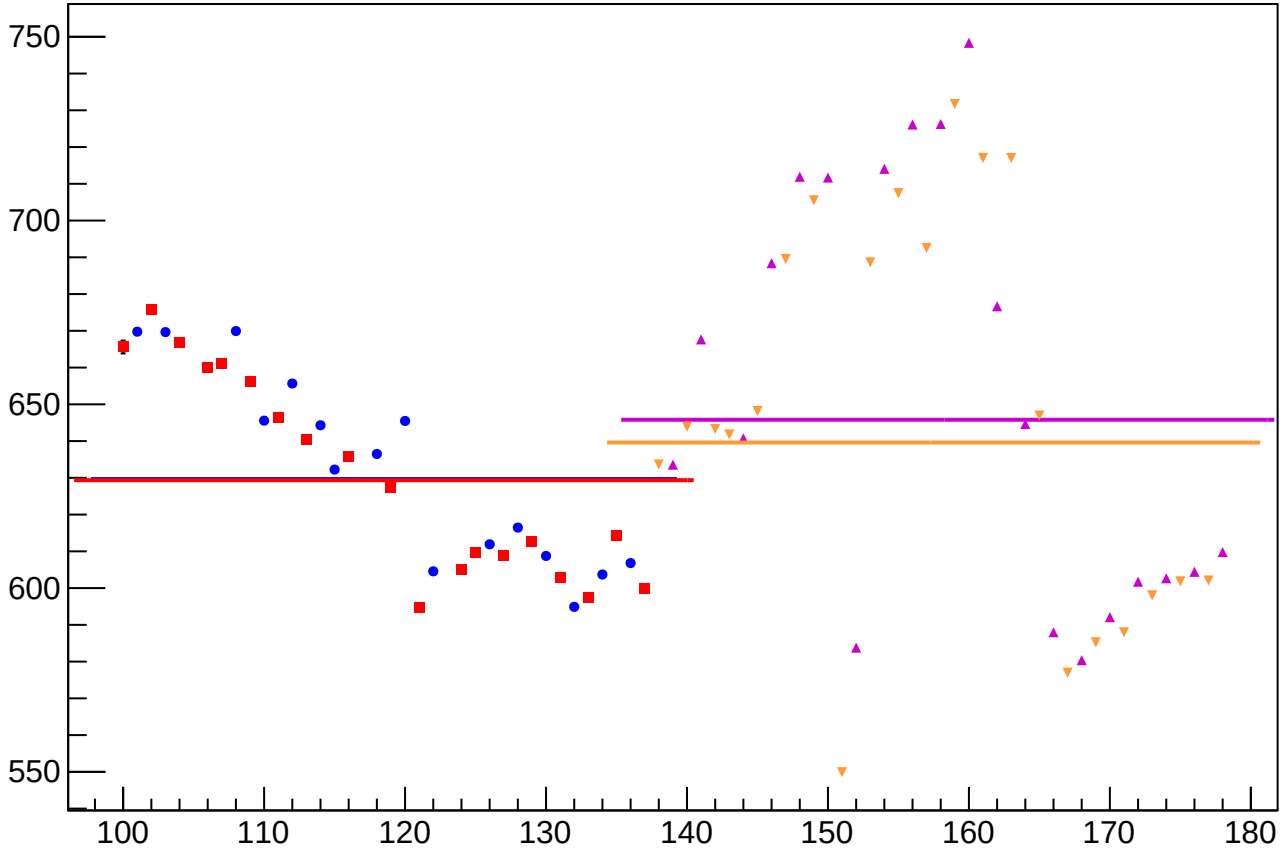
Right: -24.130+/-0.164 χ^2/NDF: 26877.8/34

In: 8.379+/-0.132 χ^2/NDF:41571.5/35

Out: 14.449+/-0.130 χ^2/NDF:72708.3/39

All: 11.474+/-0.093 χ^2/NDF: 115352.0/75

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: 645.799+/-0.114 χ^2/NDF:226255.8/19

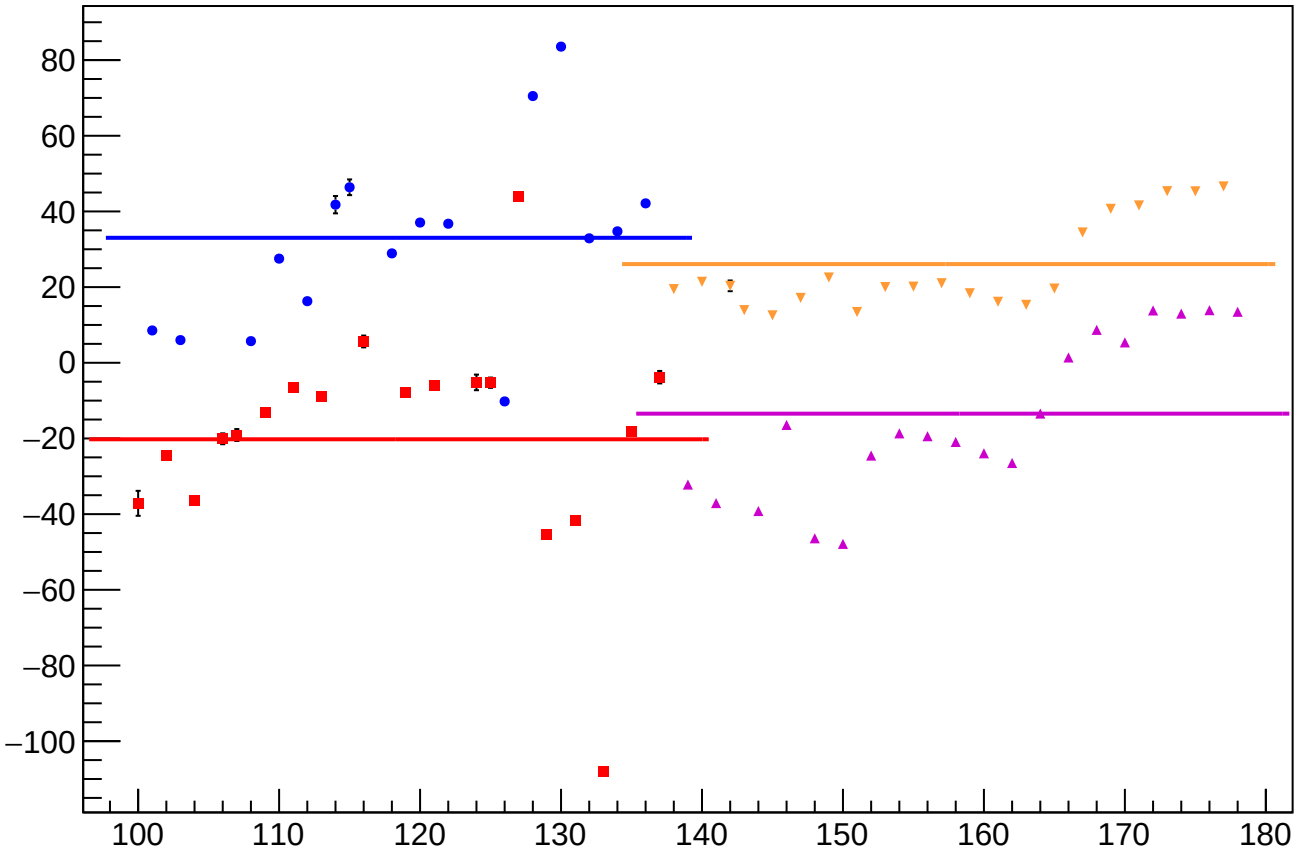
Left: 642.636+/-0.079 χ^2/NDF: 461459.1/40

Right: 629.508+/-0.116 χ^2/NDF: 52108.4/34

In: 640.636+/-0.094 χ^2/NDF:258038.4/35

Out: 636.328+/-0.092 χ^2/NDF:263175.9/39

All: 638.440+/-0.066 χ^2/NDF: 522294.4/75



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 26.082+/-0.224 χ^2/NDF:2866.3/20

Right Out: -20.215+/-0.286 χ^2/NDF: 11869.7/18

Left In: -13.445+/-0.227 χ^2/NDF:8020.0/19

Left: 6.587+/-0.160 χ^2/NDF: 26230.1/40

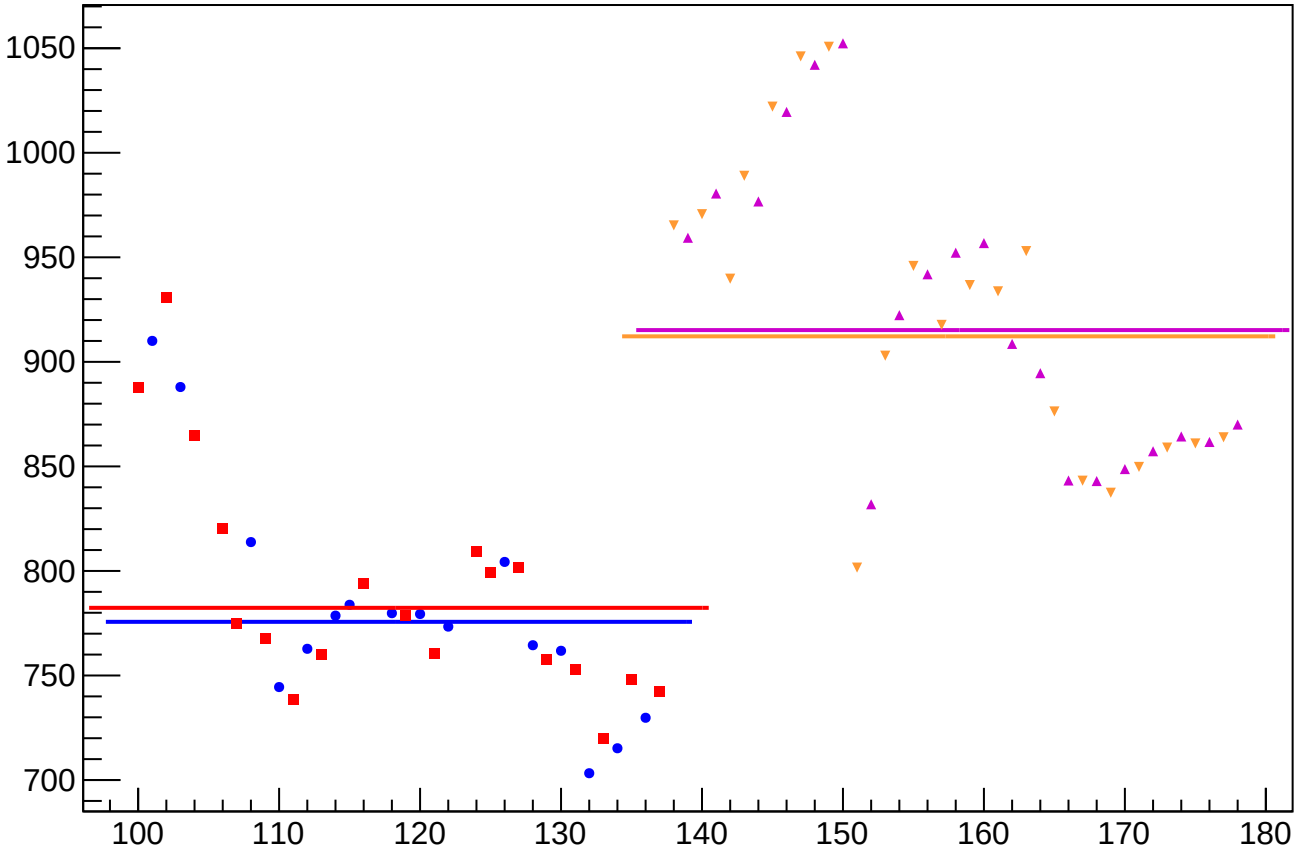
Right: 6.136+/-0.203 χ^2/NDF: 35729.1/34

In: 4.312+/-0.179 χ^2/NDF:30713.1/35

Out: 8.467+/-0.176 χ^2/NDF:30975.1/39

All: 6.415+/-0.125 χ^2/NDF: 61962.2/75

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: 915.196+/-0.161 χ^2/NDF:171643.6/19

Left: 913.681+/-0.113 χ^2/NDF: 359213.2/40

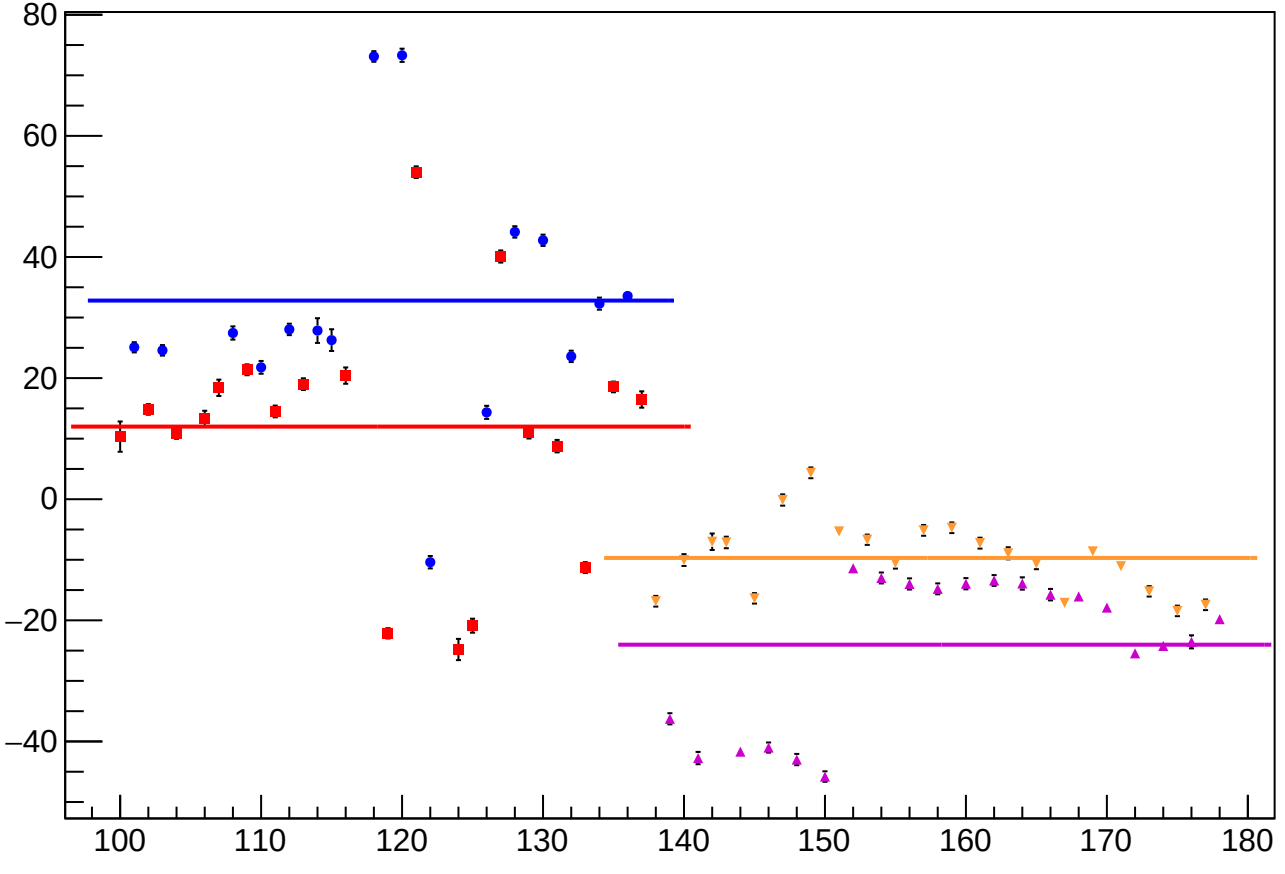
Right: 779.045+/-0.144 χ^2/NDF: 139768.7/34

In: 861.889+/-0.126 χ^2/NDF:534588.5/35

Out: 862.800+/-0.125 χ^2/NDF:507431.2/39

All: 862.350+/-0.089 χ^2/NDF: 1042046.1/75

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: -24.022+/-0.194 χ^2/NDF:3771.4/19

Left: -16.766+/-0.137 χ^2/NDF: 7445.6/40

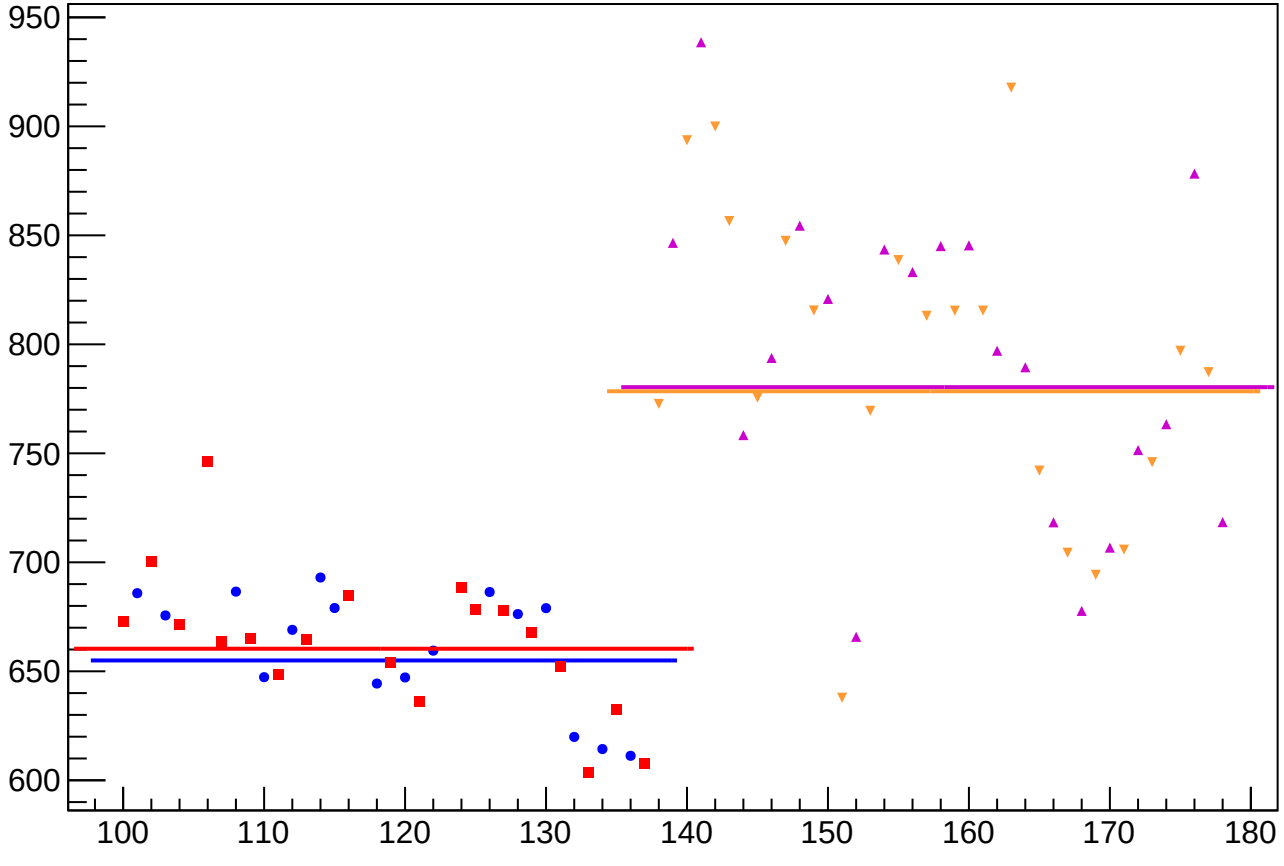
Right: 22.296+/-0.171 χ^2/NDF: 16506.5/34

In: -1.896+/-0.152 χ^2/NDF:43282.3/35

Out: -1.283+/-0.150 χ^2/NDF:12437.5/39

All: -1.586+/-0.107 χ^2/NDF: 55728.0/75

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: 780.352+/-0.138 χ^2/NDF:262587.5/19

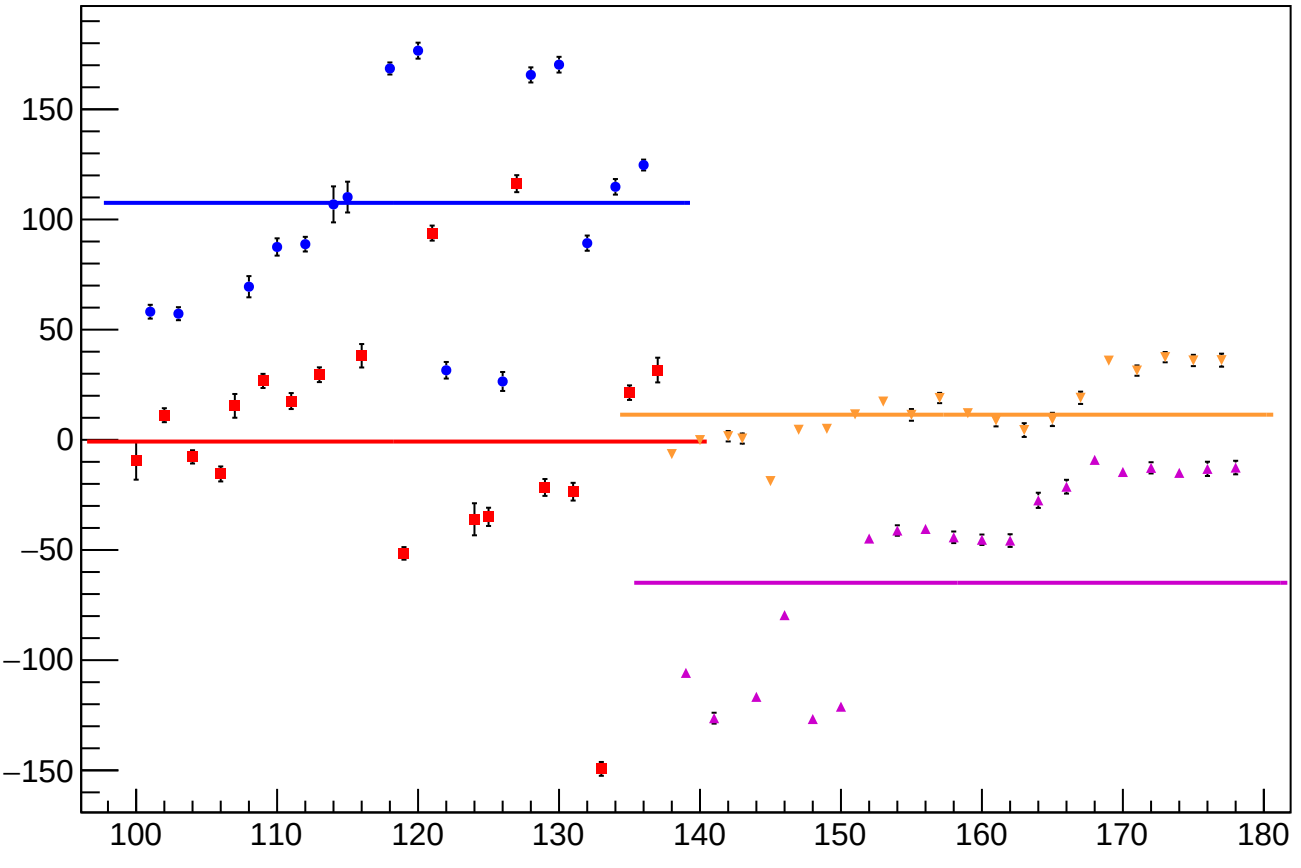
Left: 779.395+/-0.097 χ^2/NDF: 539573.6/40

Right: 657.689+/-0.121 χ^2/NDF: 57655.9/34

In: 731.532+/-0.107 χ^2/NDF:613088.3/35

Out: 732.653+/-0.106 χ^2/NDF:601036.0/39

All: 732.099+/-0.076 χ^2/NDF: 1214179.3/75



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: -64.879+/-0.503 χ^2/NDF:7644.7/19

Left: -26.316+/-0.353 χ^2/NDF: 20192.8/40

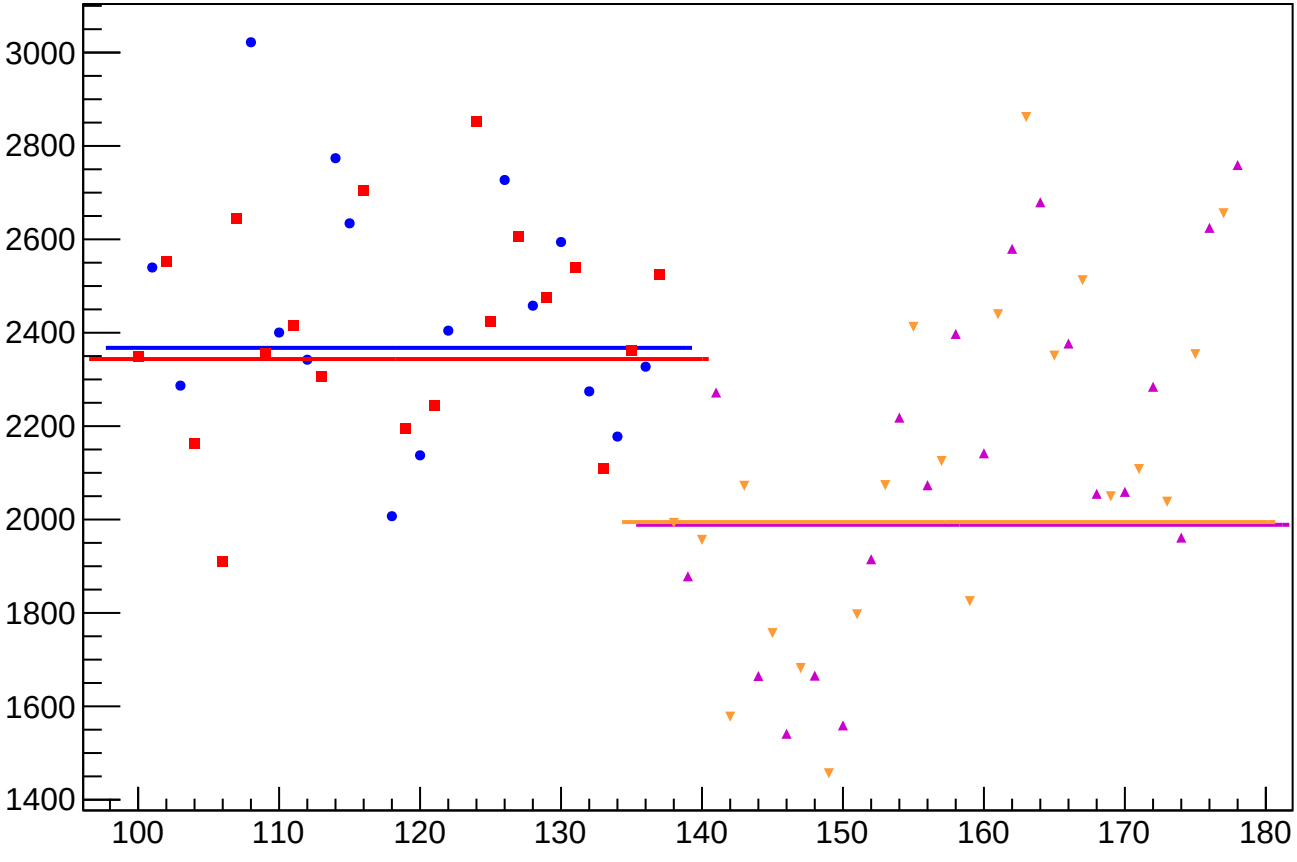
Right: 51.859+/-0.617 χ^2/NDF: 15416.7/34

In: -22.853+/-0.437 χ^2/NDF:39286.6/35

Out: 8.357+/-0.430 χ^2/NDF:5816.8/39

All: -7.010+/-0.307 χ^2/NDF: 47691.6/75

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: 1988.751+/-0.355 χ^2/NDF:956223.2/19

Left: 1991.702+/-0.250 χ^2/NDF: 1876836.6/40

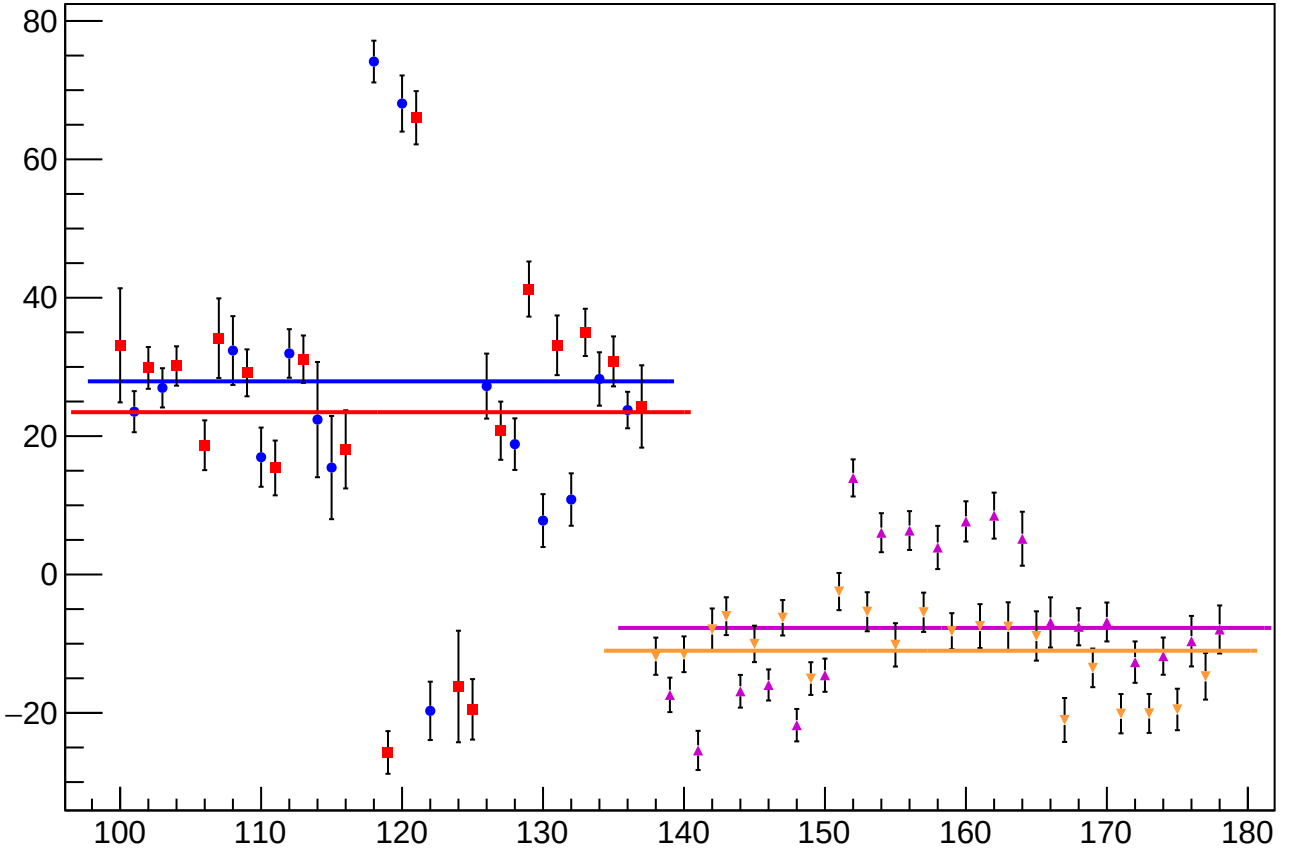
Right: 2355.333+/-0.436 χ^2/NDF: 239789.5/34

In: 2081.097+/-0.309 χ^2/NDF:1359996.9/35

Out: 2081.895+/-0.304 χ^2/NDF:1279445.4/39

All: 2081.502+/-0.217 χ^2/NDF: 2639445.6/75

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: -7.721+/-0.628 χ^2/NDF:323.2/19

Left: -9.382+/-0.442 χ^2/NDF: 410.4/40

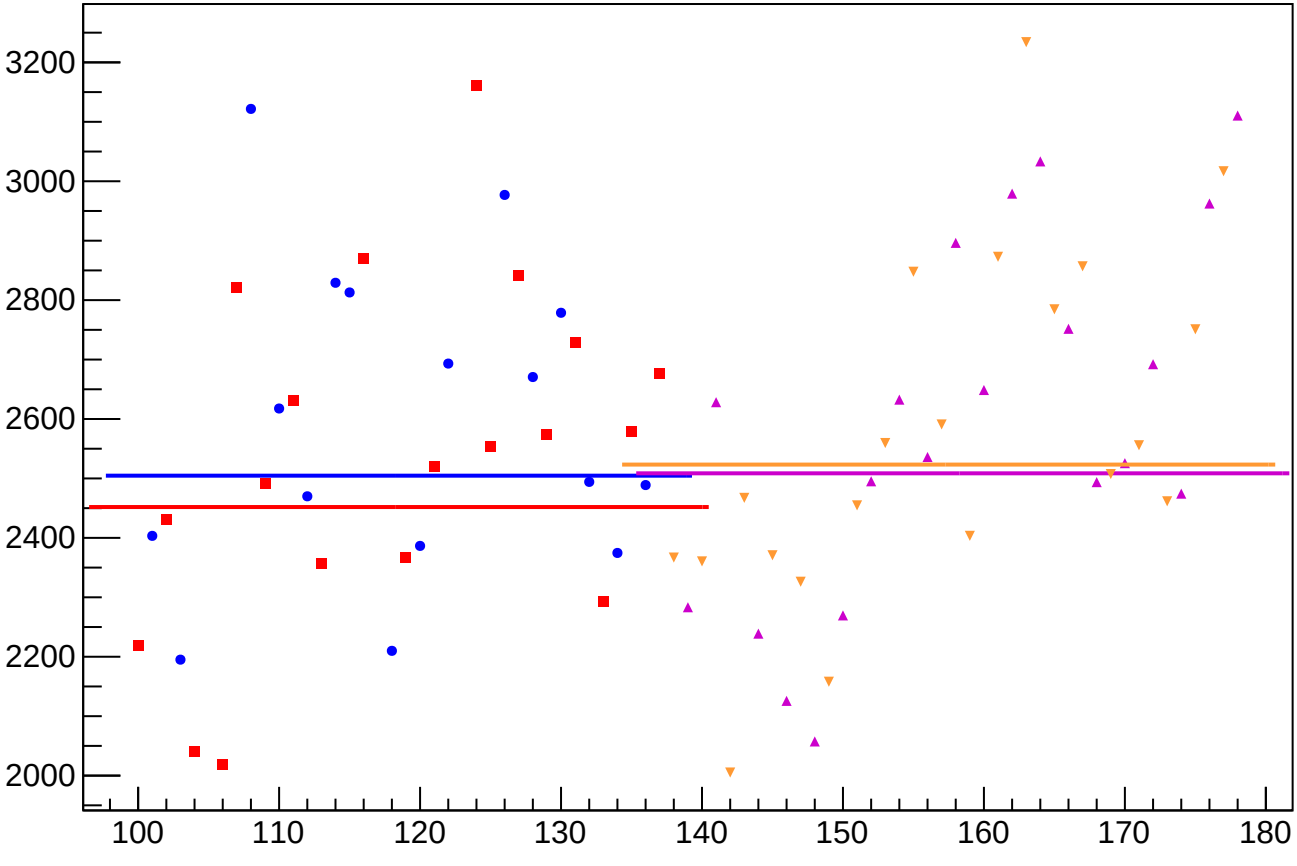
Right: 25.604+/-0.650 χ^2/NDF: 1110.3/34

In: 3.324+/-0.522 χ^2/NDF:1852.6/35

Out: 0.094+/-0.512 χ^2/NDF:1629.8/39

All: 1.680+/-0.365 χ^2/NDF: 3501.9/75

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: 2508.607+/-0.444 χ^2/NDF:421788.7/19

Left: 2516.023+/-0.313 χ^2/NDF: 785399.9/40

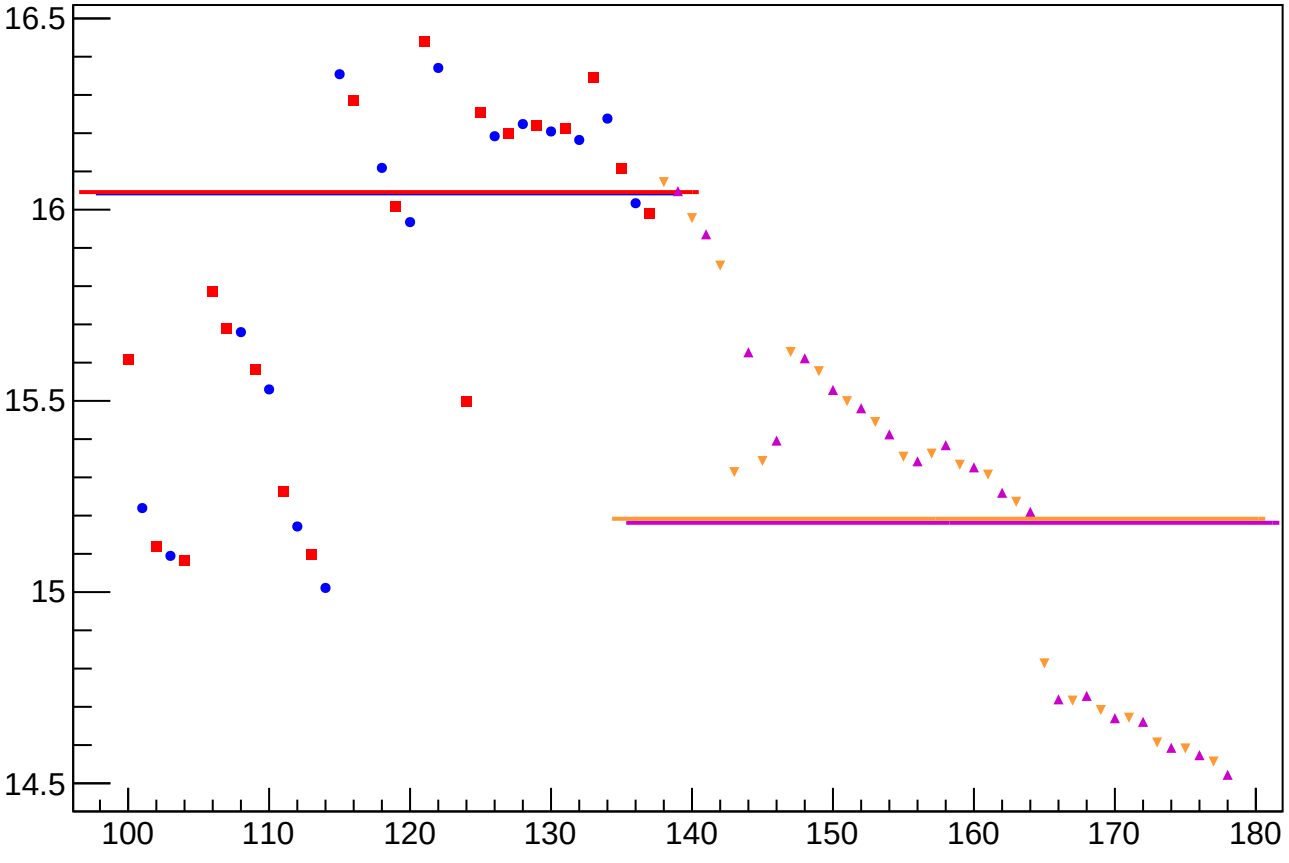
Right: 2477.287+/-0.460 χ^2/NDF: 283127.8/34

In: 2507.382+/-0.369 χ^2/NDF:548412.4/35

Out: 2500.294+/-0.362 χ^2/NDF:524784.4/39

All: 2503.775+/-0.258 χ^2/NDF: 1073384.8/75

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: 15.181+/-0.000 χ^2/NDF:30862693908.9/19

Left: 15.187+/-0.000 χ^2/NDF: 62443106347.3/40

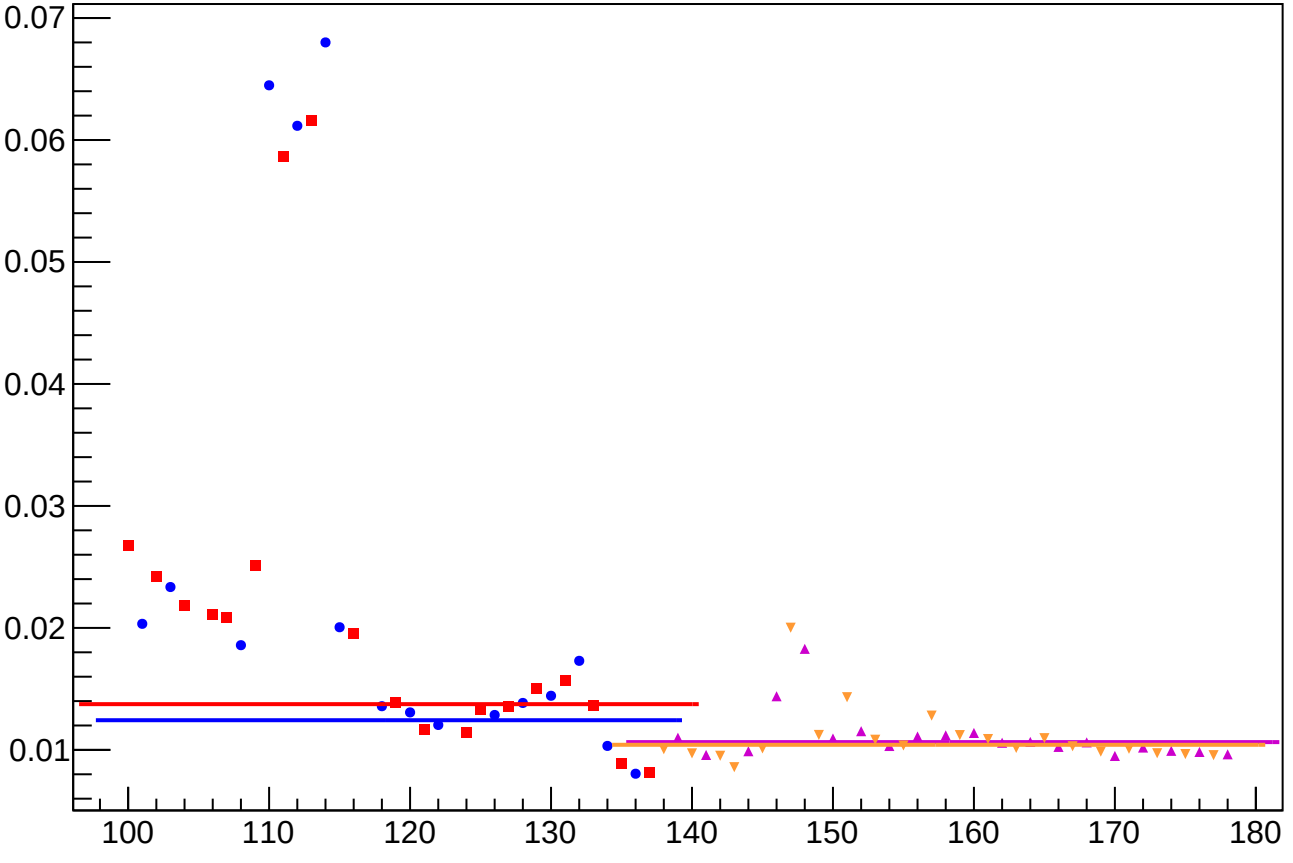
Right: 16.044+/-0.000 χ^2/NDF: 6392885915.7/34

In: 15.361+/-0.000 χ^2/NDF:54619239230.5/35

Out: 15.340+/-0.000 χ^2/NDF:53270915219.9/39

All: 15.350+/-0.000 χ^2/NDF: 107927765346.

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:505211.8/19

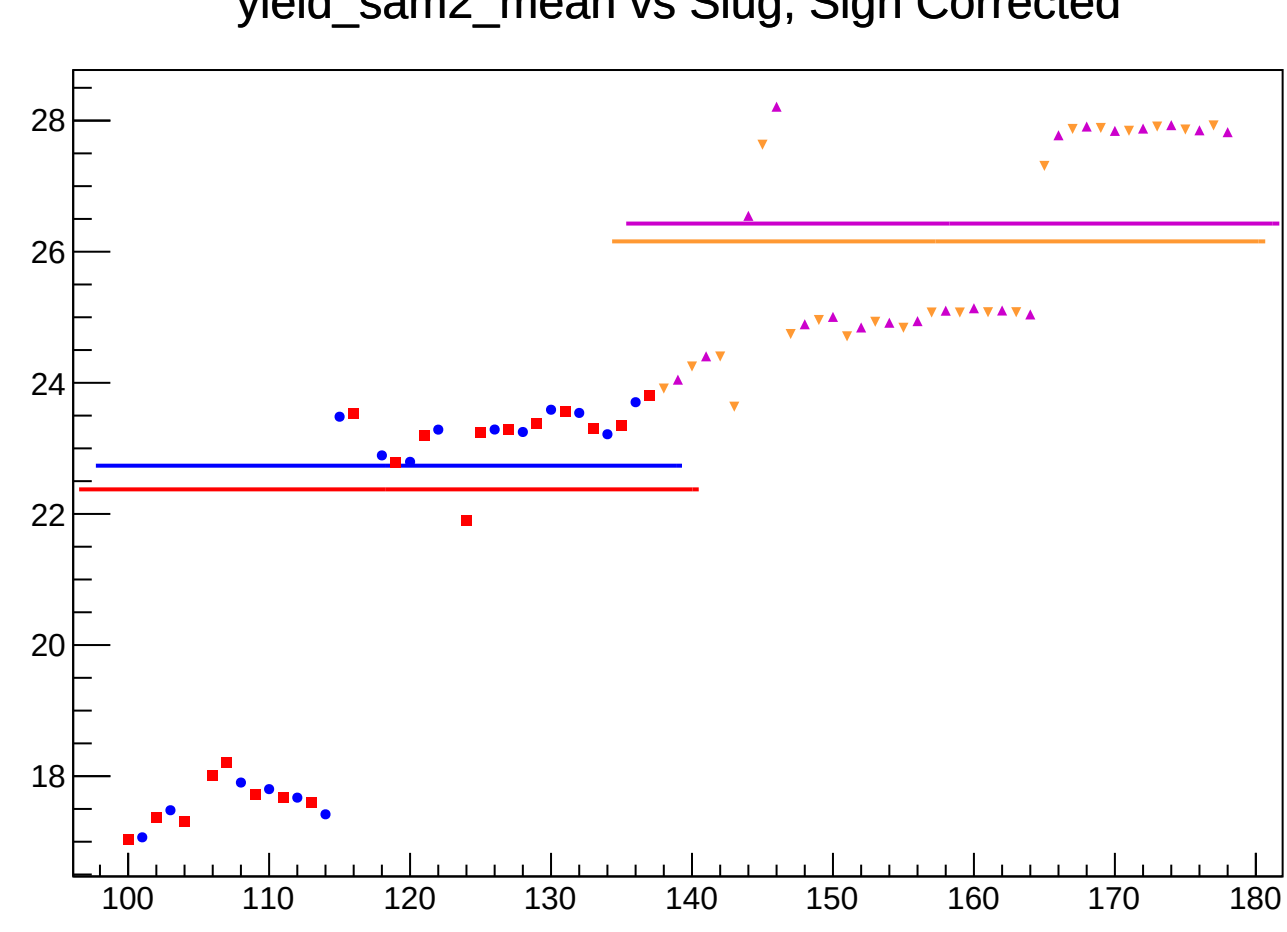
Left: 0.011+/-0.000 χ^2/NDF: 1200421.8/40

Right: 0.013+/-0.000 χ^2/NDF: 4604105.9/34

In: 0.011+/-0.000 χ^2/NDF:3003604.8/35

Out: 0.011+/-0.000 χ^2/NDF:3471287.2/39

All: 0.011+/-0.000 χ^2/NDF: 6474936.1/75



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: 26.429+/-0.000 χ^2/NDF:2478112643.5/19

Left: 26.291+/-0.000 χ^2/NDF: 5681266053.8/40

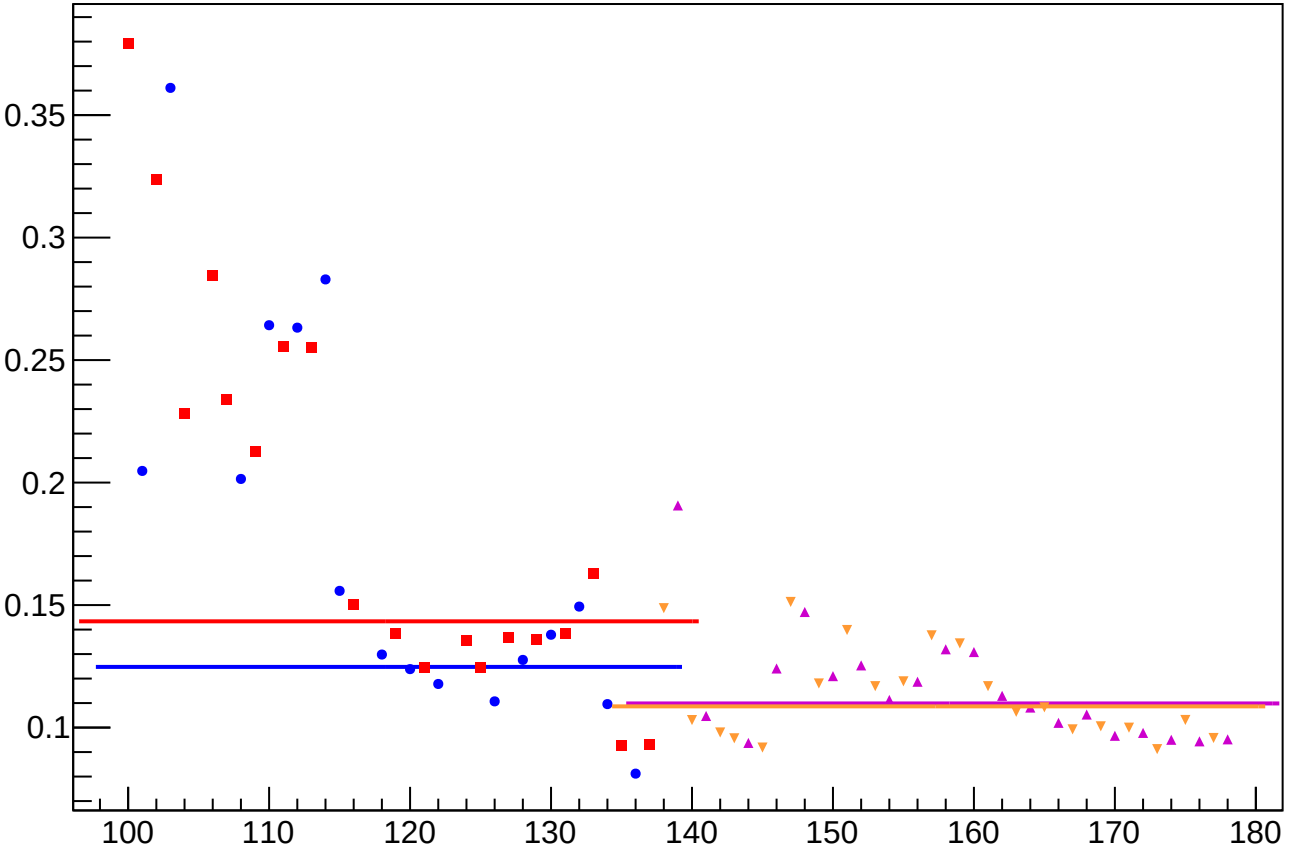
Right: 22.574+/-0.000 χ^2/NDF: 2456494994.8/34

In: 25.583+/-0.000 χ^2/NDF:7311430557.3/35

Out: 25.445+/-0.000 χ^2/NDF:7621752933.7/39

All: 25.515+/-0.000 χ^2/NDF: 14947414166.5

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: 0.110+/-0.000 χ^2/NDF:750506.3/19

Left: 0.109+/-0.000 χ^2/NDF: 1395886.2/40

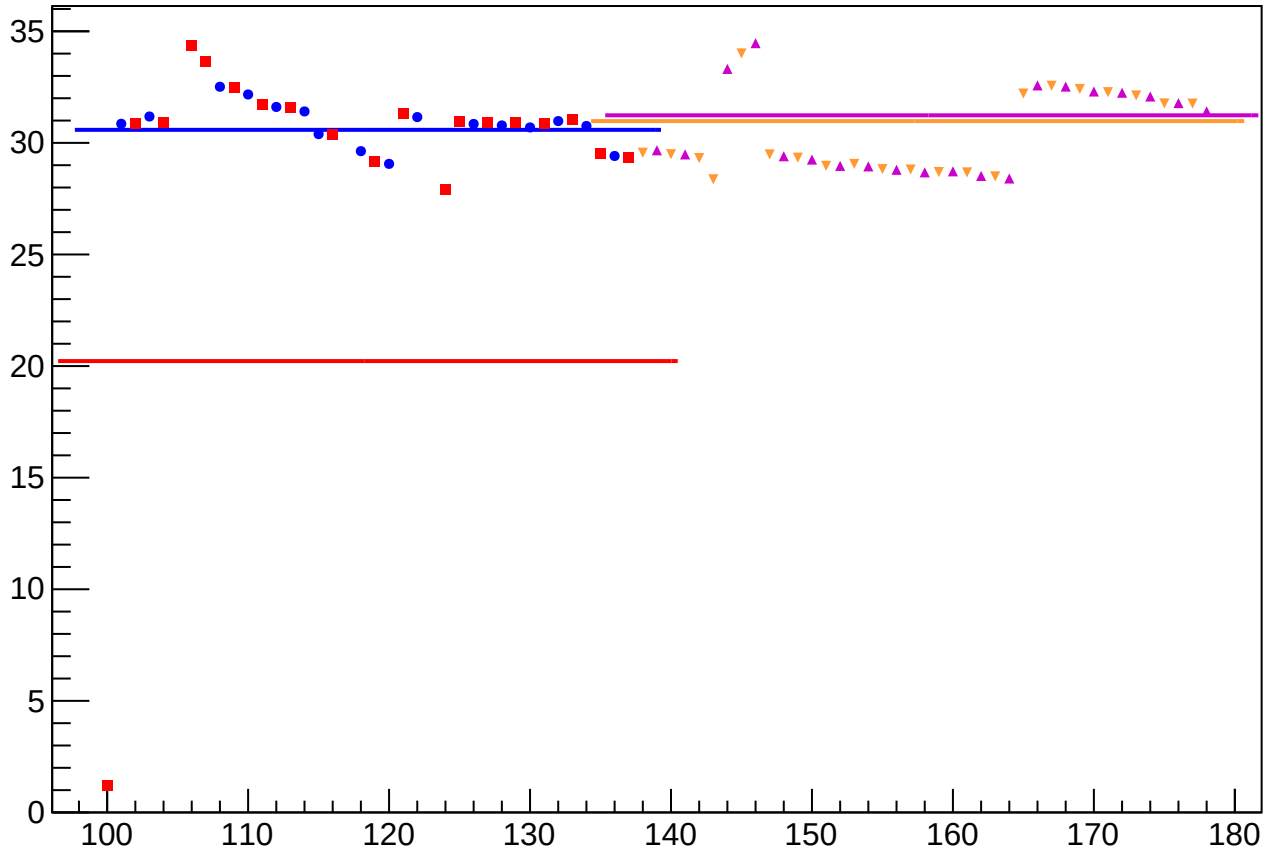
Right: 0.133+/-0.000 χ^2/NDF: 3426627.7/34

In: 0.113+/-0.000 χ^2/NDF:2618144.4/35

Out: 0.115+/-0.000 χ^2/NDF:2760523.2/39

All: 0.114+/-0.000 χ^2/NDF: 5384219.4/75

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: 31.236+/-0.000 χ^2/NDF:12563020025.3/19

Left: 31.107+/-0.000 χ^2/NDF: 24471707962.1/40

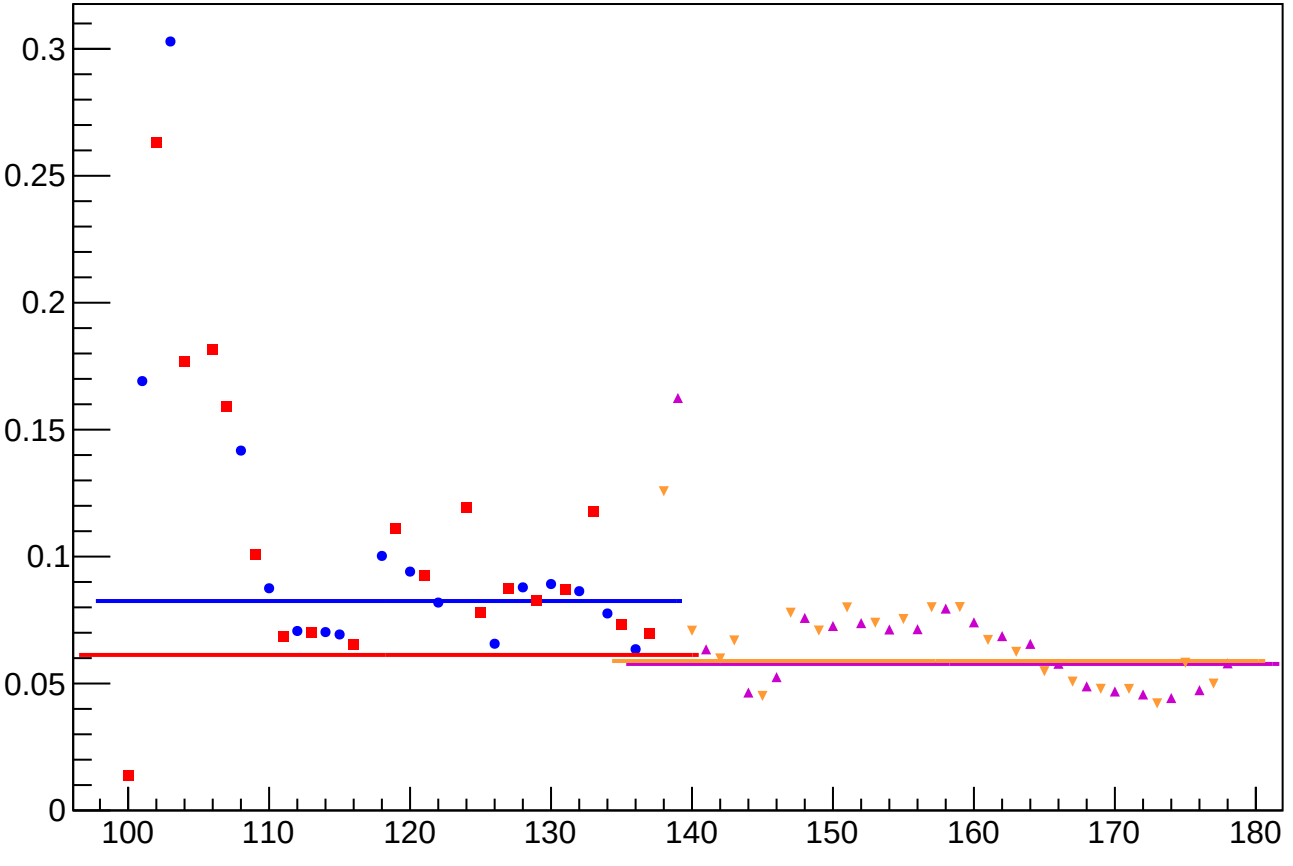
Right: 24.530+/-0.000 χ^2/NDF: 270460315915.7/34

In: 31.122+/-0.000 χ^2/NDF:13486472888.2/35

Out: 28.495+/-0.000 χ^2/NDF:329822099554.3/39

All: 29.769+/-0.000 χ^2/NDF: 359099161973.

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:1695059.8/19

Left: 0.058+/-0.000 χ^2/NDF: 3196045.2/40

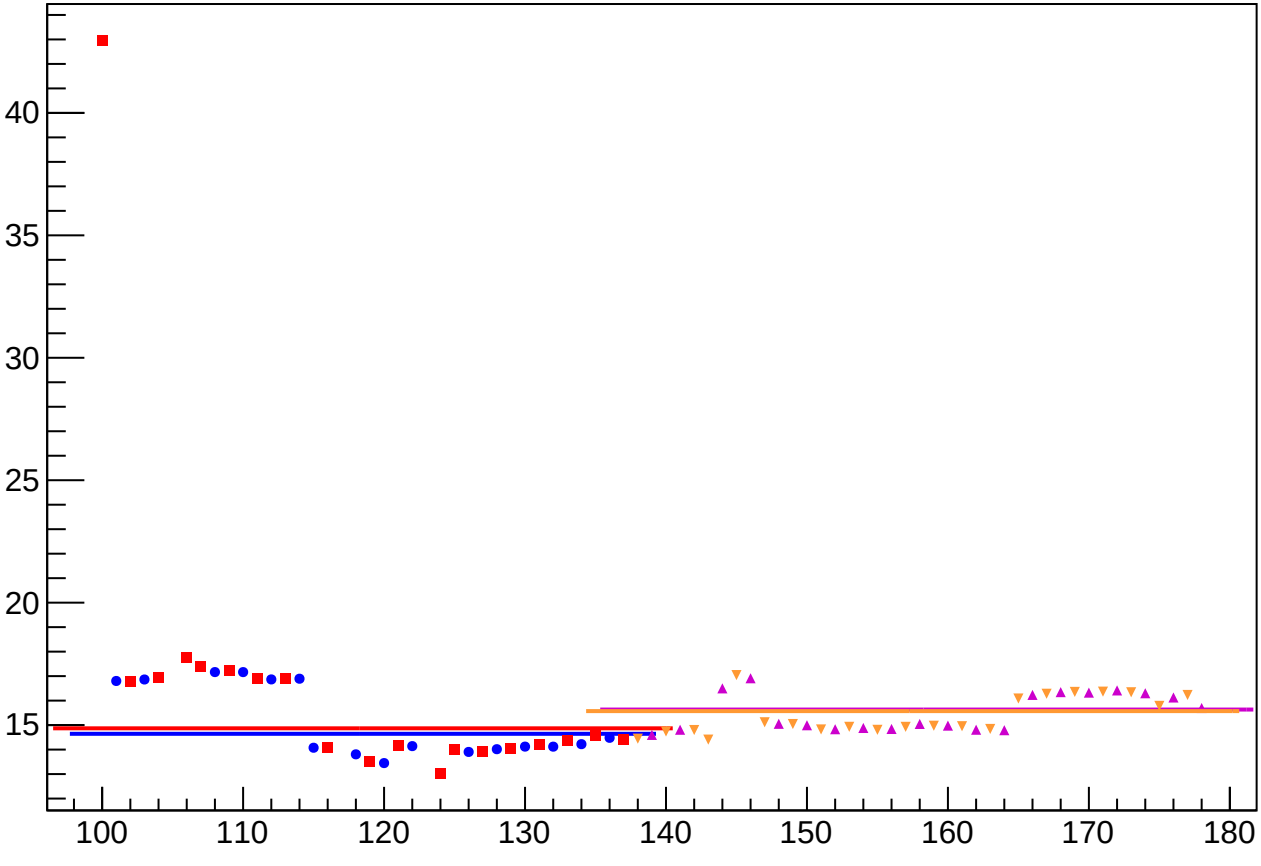
Right: 0.070+/-0.000 χ^2/NDF: 5683622.8/34

In: 0.062+/-0.000 χ^2/NDF:3741666.6/35

Out: 0.059+/-0.000 χ^2/NDF:5520066.1/39

All: 0.061+/-0.000 χ^2/NDF: 9292940.1/75

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: 15.635+/-0.000 χ^2/NDF:1830771570.0/19

Left: 15.602+/-0.000 χ^2/NDF: 3979494436.6/40

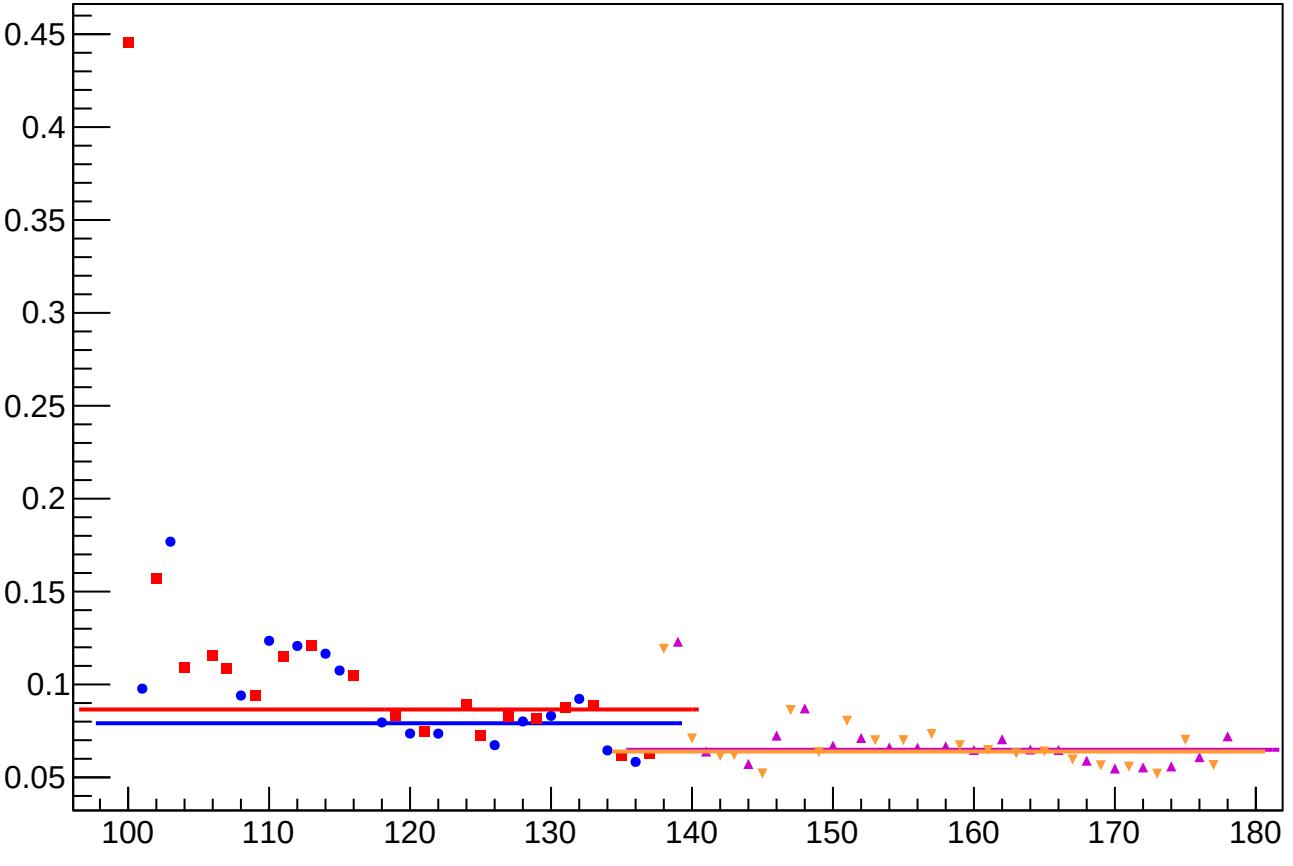
Right: 14.749+/-0.000 χ^2/NDF: 2945878863.1/34

In: 15.415+/-0.000 χ^2/NDF:3740654977.8/35

Out: 15.435+/-0.000 χ^2/NDF:4199275813.7/39

All: 15.425+/-0.000 χ^2/NDF: 7940855264.1/7

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.064+/-0.000 χ^2/NDF:770210.8/20

Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

Left In: 0.065+/-0.000 χ^2/NDF:694163.3/19

Left: 0.064+/-0.000 χ^2/NDF: 1467352.8/40

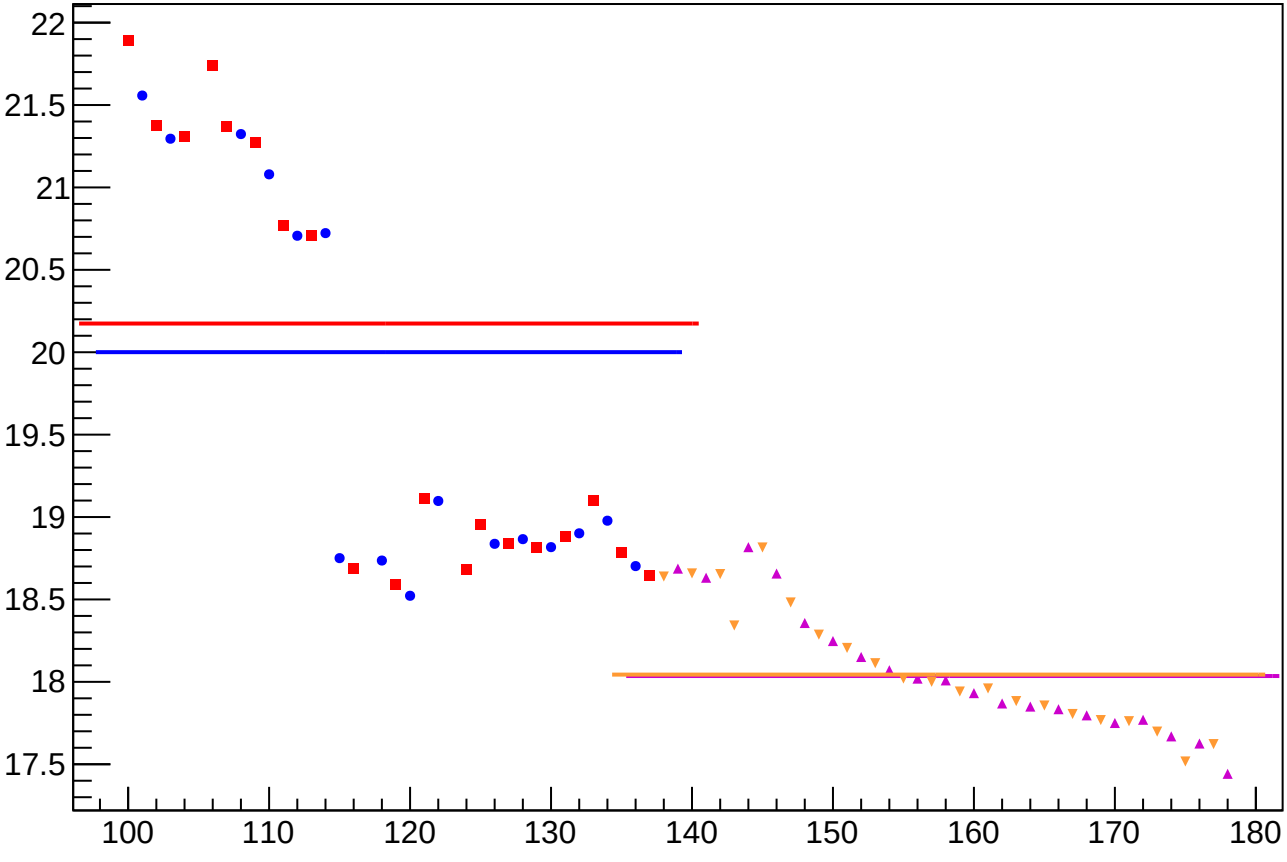
Right: 0.083+/-0.000 χ^2/NDF: 1759748.9/34

In: 0.068+/-0.000 χ^2/NDF:1909582.3/35

Out: 0.068+/-0.000 χ^2/NDF:2241753.1/39

All: 0.068+/-0.000 χ^2/NDF: 4151612.5/75

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: 18.035+/-0.000 χ^2/NDF:2228459939.1/19

Left: 18.040+/-0.000 χ^2/NDF: 4409145789.6/40

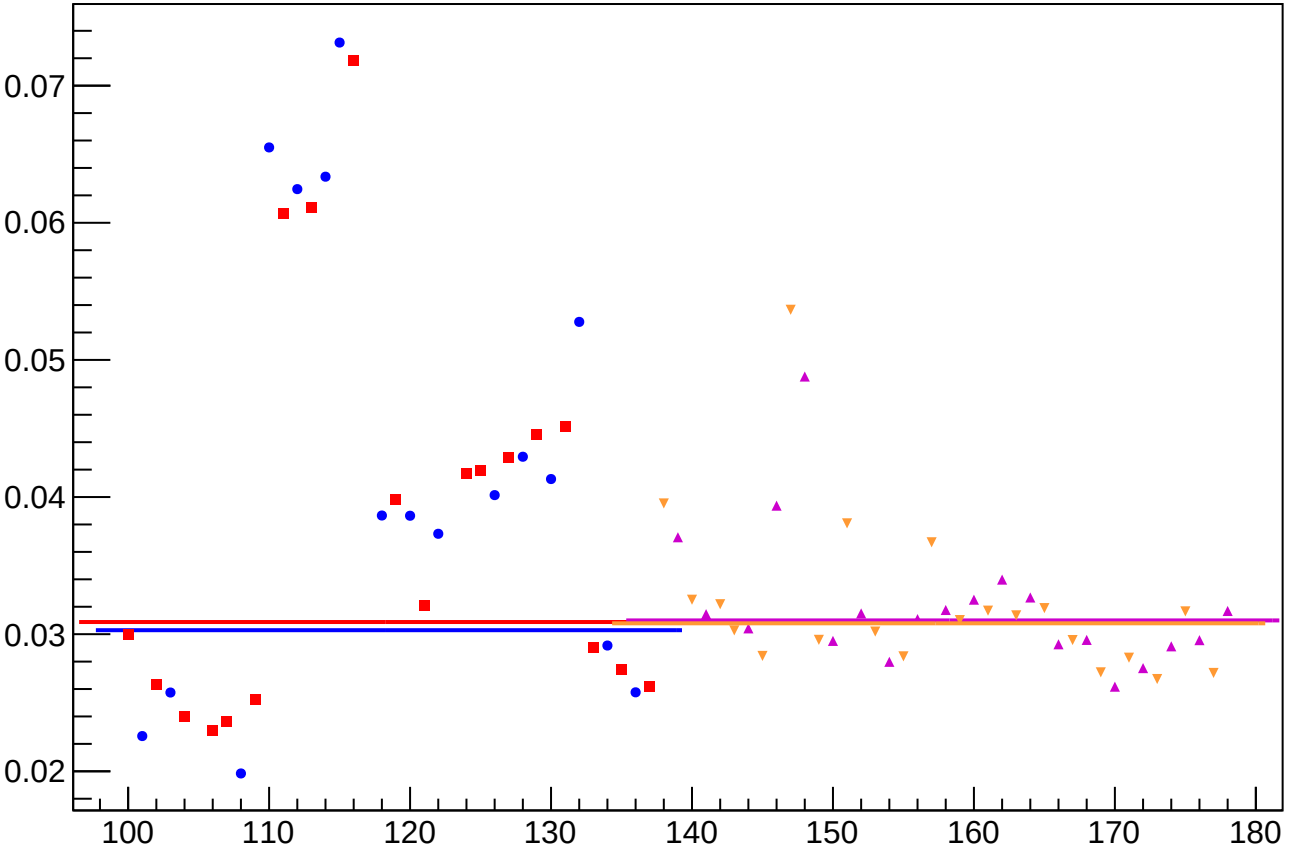
Right: 20.087+/-0.000 χ^2/NDF: 21403297693.7/34

In: 18.601+/-0.000 χ^2/NDF:30977914851.5/35

Out: 18.645+/-0.000 χ^2/NDF:33844750711.0/39

All: 18.623+/-0.000 χ^2/NDF: 64844297325.0

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:469994.2/19

Left: 0.031+/-0.000 χ^2/NDF: 1073531.2/40

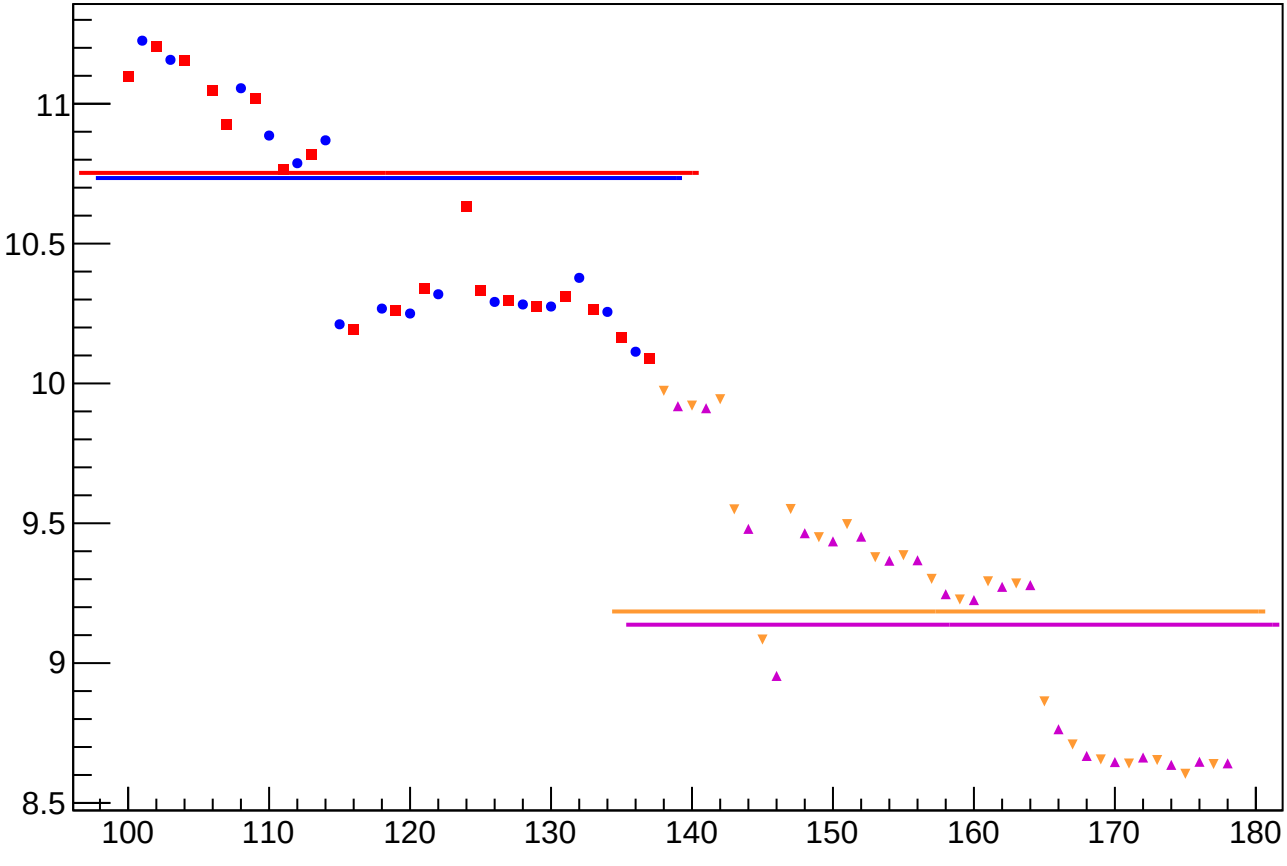
Right: 0.031+/-0.000 χ^2/NDF: 2654419.8/34

In: 0.031+/-0.000 χ^2/NDF:1922073.3/35

Out: 0.031+/-0.000 χ^2/NDF:1807621.5/39

All: 0.031+/-0.000 χ^2/NDF: 3729704.6/75

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: 9.137+/-0.000 χ^2/NDF:6631081545.6/19

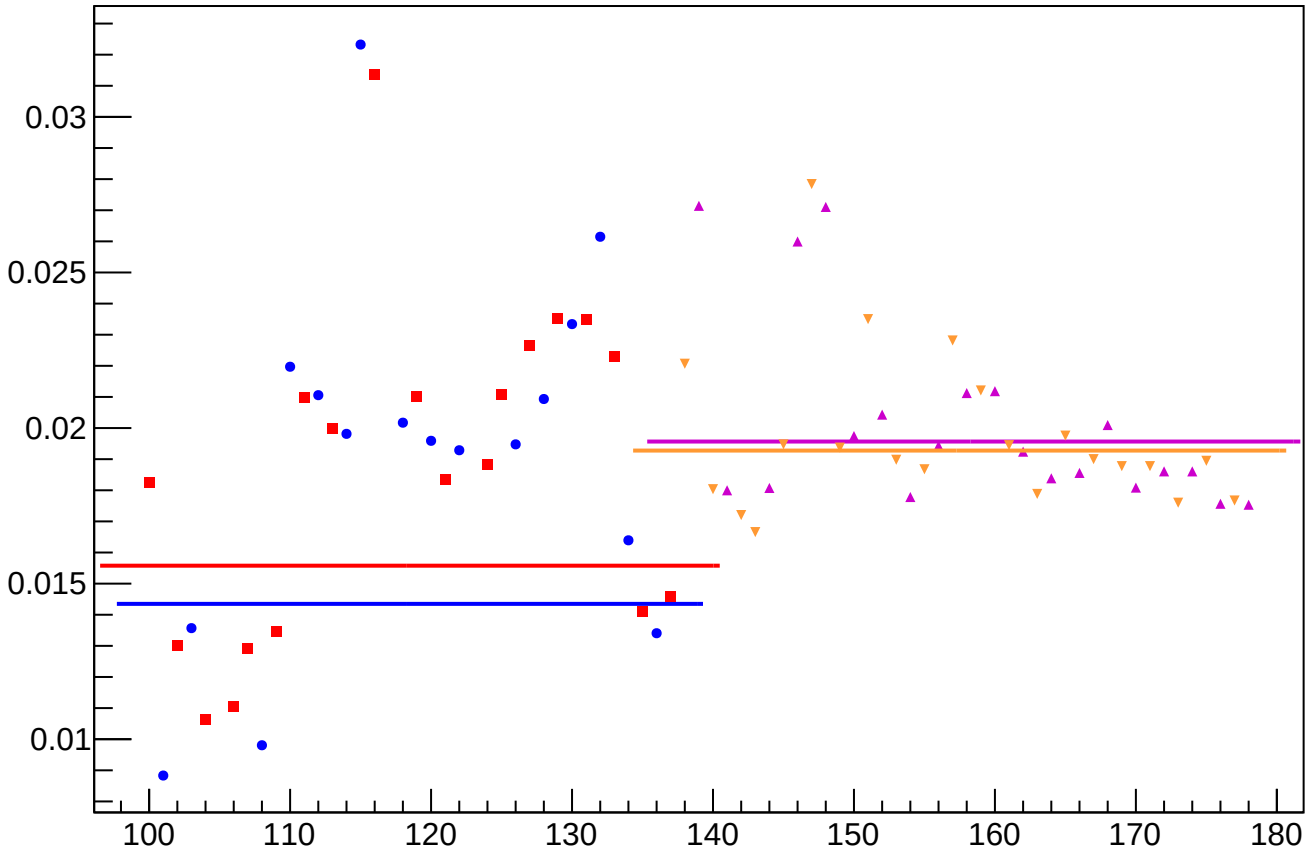
Left: 9.162+/-0.000 χ^2/NDF: 14561397339.1/40

Right: 10.743+/-0.000 χ^2/NDF: 10228218714.9/34

In: 9.804+/-0.000 χ^2/NDF:53557948045.4/35

Out: 9.789+/-0.000 χ^2/NDF:50780833229.5/39

All: 9.796+/-0.000 χ^2/NDF: 104345733860.4



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:472571.5/19

Left: 0.019+/-0.000 χ^2/NDF: 843006.2/40

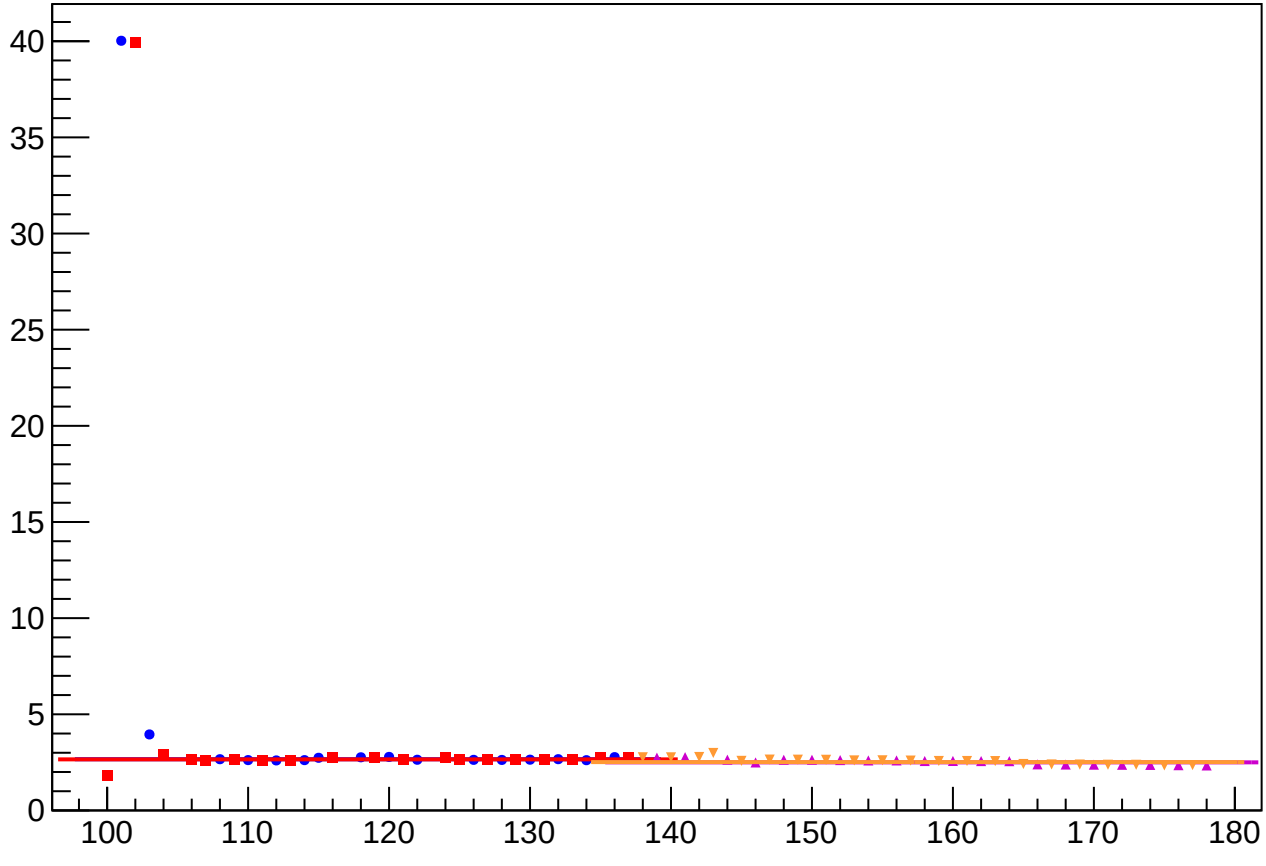
Right: 0.015+/-0.000 χ^2/NDF: 2593711.2/34

In: 0.017+/-0.000 χ^2/NDF:2830387.4/35

Out: 0.018+/-0.000 χ^2/NDF:1868186.5/39

All: 0.018+/-0.000 χ^2/NDF: 4712594.1/75

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: 2.501+/-0.000 χ^2/NDF:54653279870.9/19

Left: 2.508+/-0.000 χ^2/NDF: 133966518744.3/40

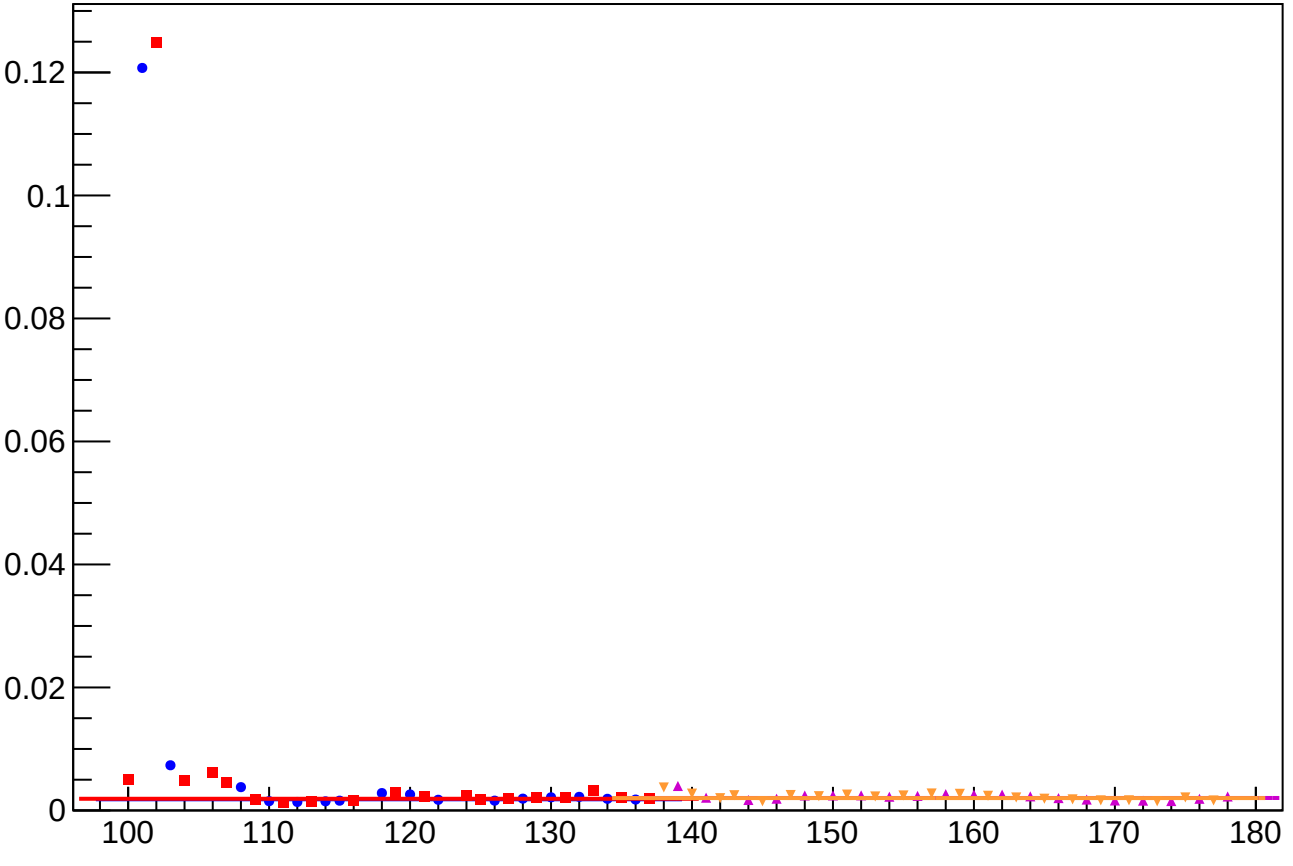
Right: 2.660+/-0.000 χ^2/NDF: 132934575870.3/34

In: 2.552+/-0.000 χ^2/NDF:148728844616.7/35

Out: 2.557+/-0.000 χ^2/NDF:163962028002.9/39

All: 2.554+/-0.000 χ^2/NDF: 312746921166.8

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:1229864.9/19

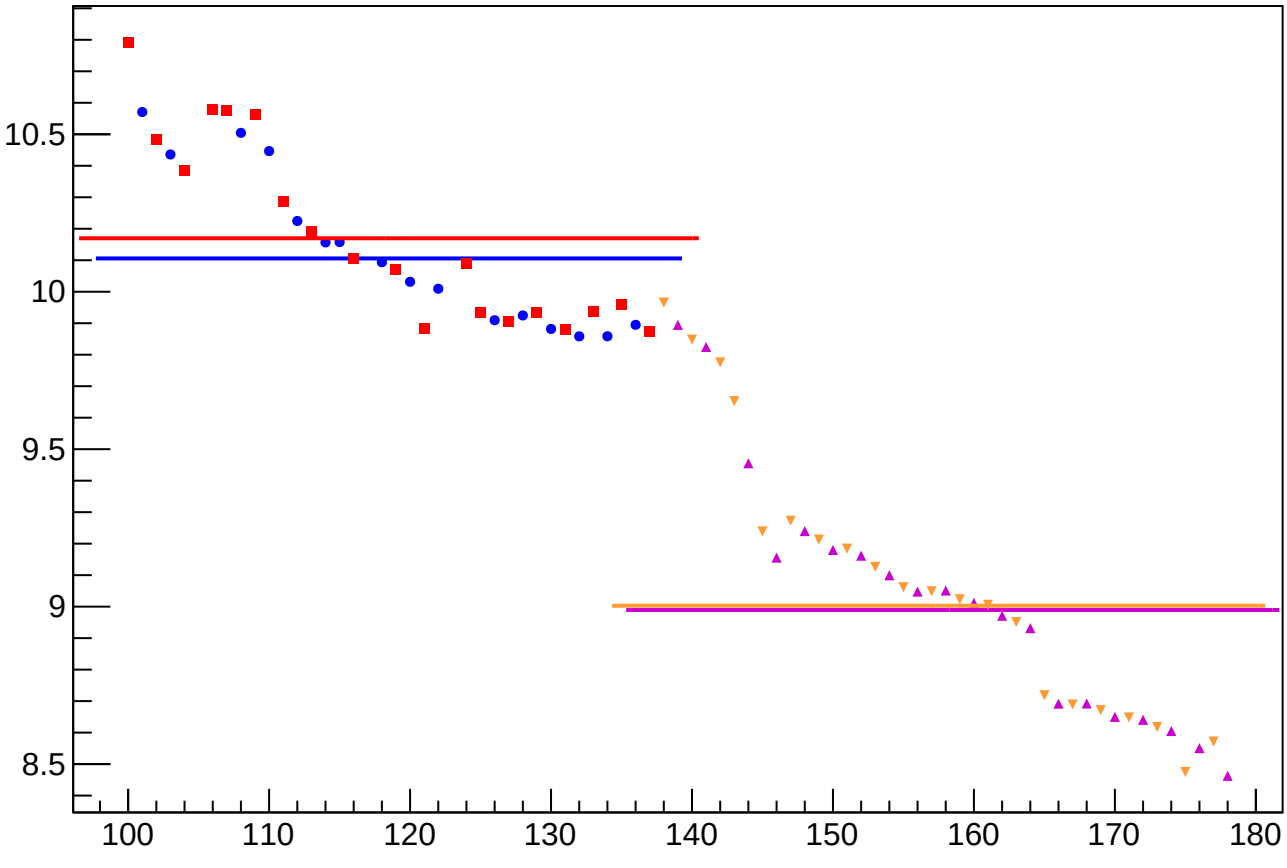
Left: 0.002+/-0.000 χ^2/NDF: 2685044.2/40

Right: 0.002+/-0.000 χ^2/NDF: 4358433.6/34

In: 0.002+/-0.000 χ^2/NDF:3143559.8/35

Out: 0.002+/-0.000 χ^2/NDF:4004462.9/39

All: 0.002+/-0.000 χ^2/NDF: 7149234.0/75



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: 8.989+/-0.000 χ^2/NDF:44330870774.5/19

Left: 8.996+/-0.000 χ^2/NDF: 96639529227.5/40

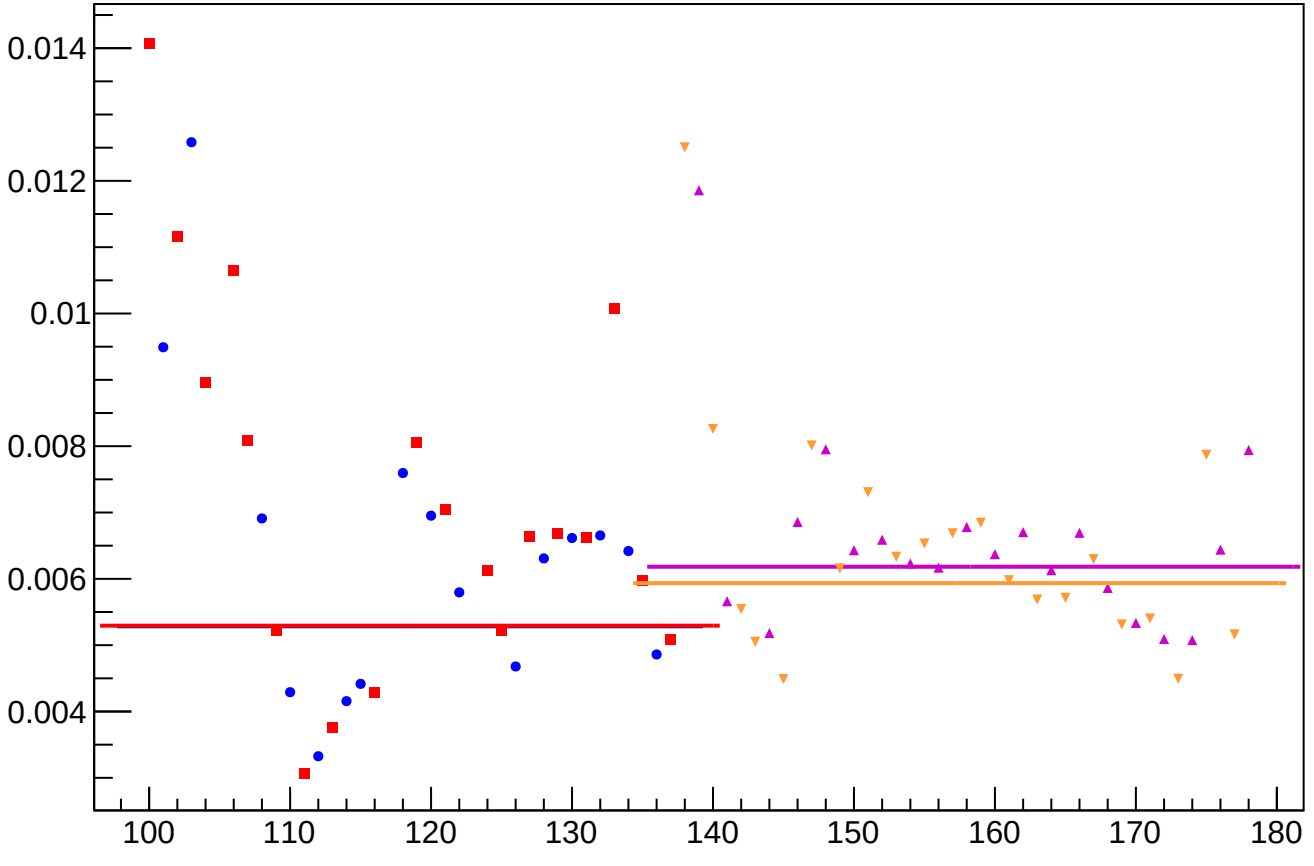
Right: 10.138+/-0.000 χ^2/NDF: 18662438112.6/34

In: 9.392+/-0.000 χ^2/NDF:207528136624.6/35

Out: 9.404+/-0.000 χ^2/NDF:237263297564.1/39

All: 9.399+/-0.000 χ^2/NDF: 444831054092.1

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 1274133.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:1143476.3/20

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

Left In: 0.006+/-0.000 χ^2/NDF:774497.6/19

Left: 0.006+/-0.000 χ^2/NDF: 1939846.9/40

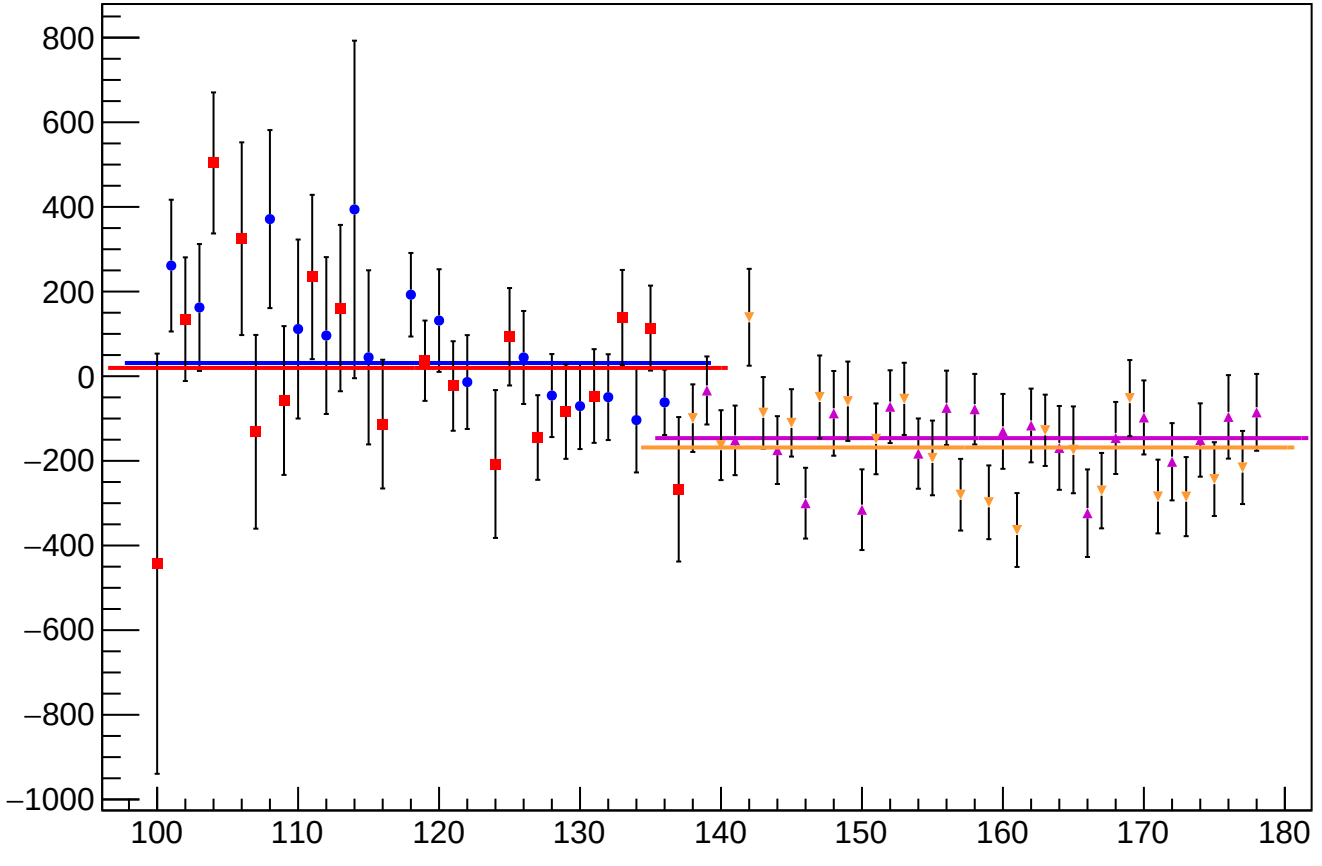
Right: 0.005+/-0.000 χ^2/NDF: 3066401.4/34

In: 0.006+/-0.000 χ^2/NDF:2247897.0/35

Out: 0.006+/-0.000 χ^2/NDF:3041913.1/39

All: 0.006+/-0.000 χ^2/NDF: 5301217.9/75

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: -146.276+/-19.744 χ^2/NDF:15.8/19

Left: -157.625+/-13.776 χ^2/NDF: 47.2/40

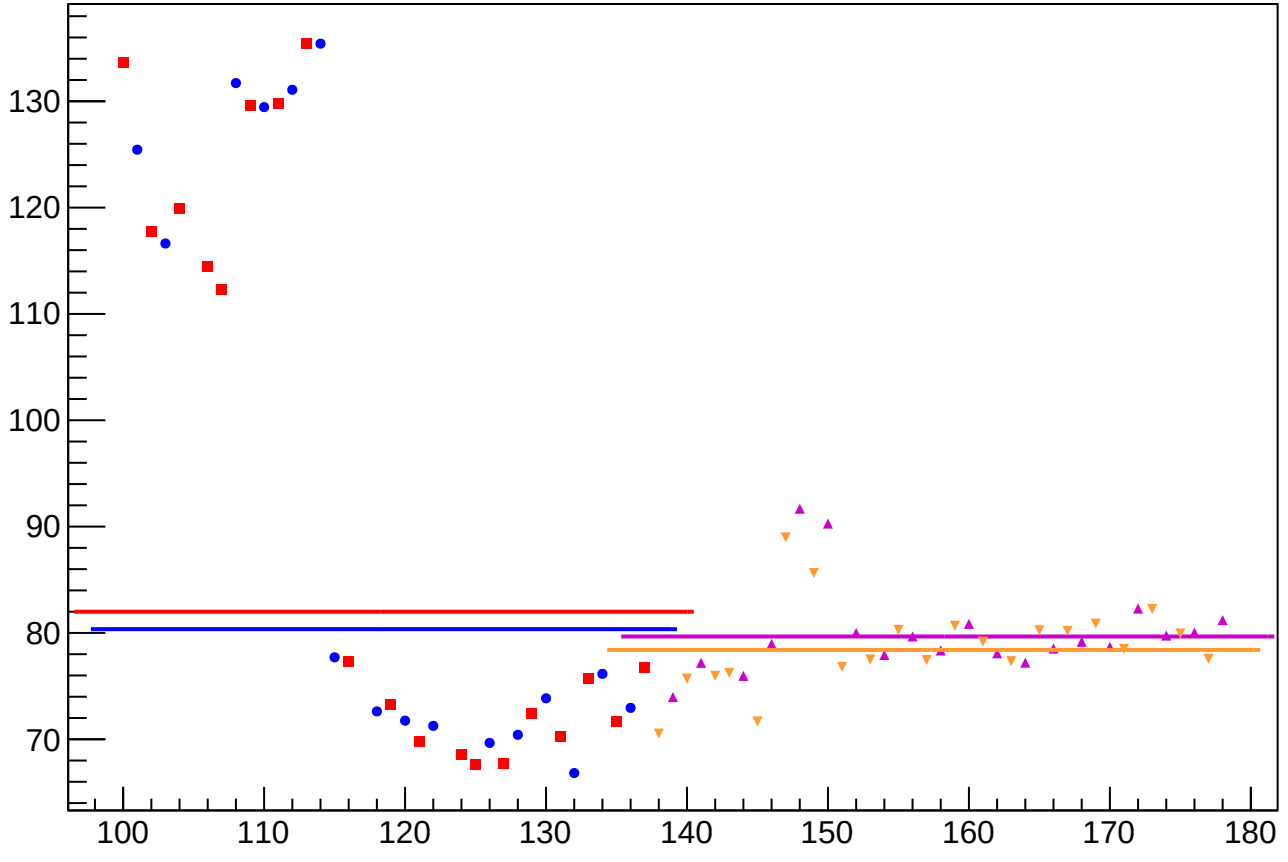
Right: 25.463+/-21.865 χ^2/NDF: 41.1/34

In: -94.540+/-16.620 χ^2/NDF:54.4/35

Out: -116.304+/-16.350 χ^2/NDF:83.1/39

All: -105.600+/-11.655 χ^2/NDF: 138.4/75

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: 79.664+/-0.014 χ^2/NDF:76379.4/19

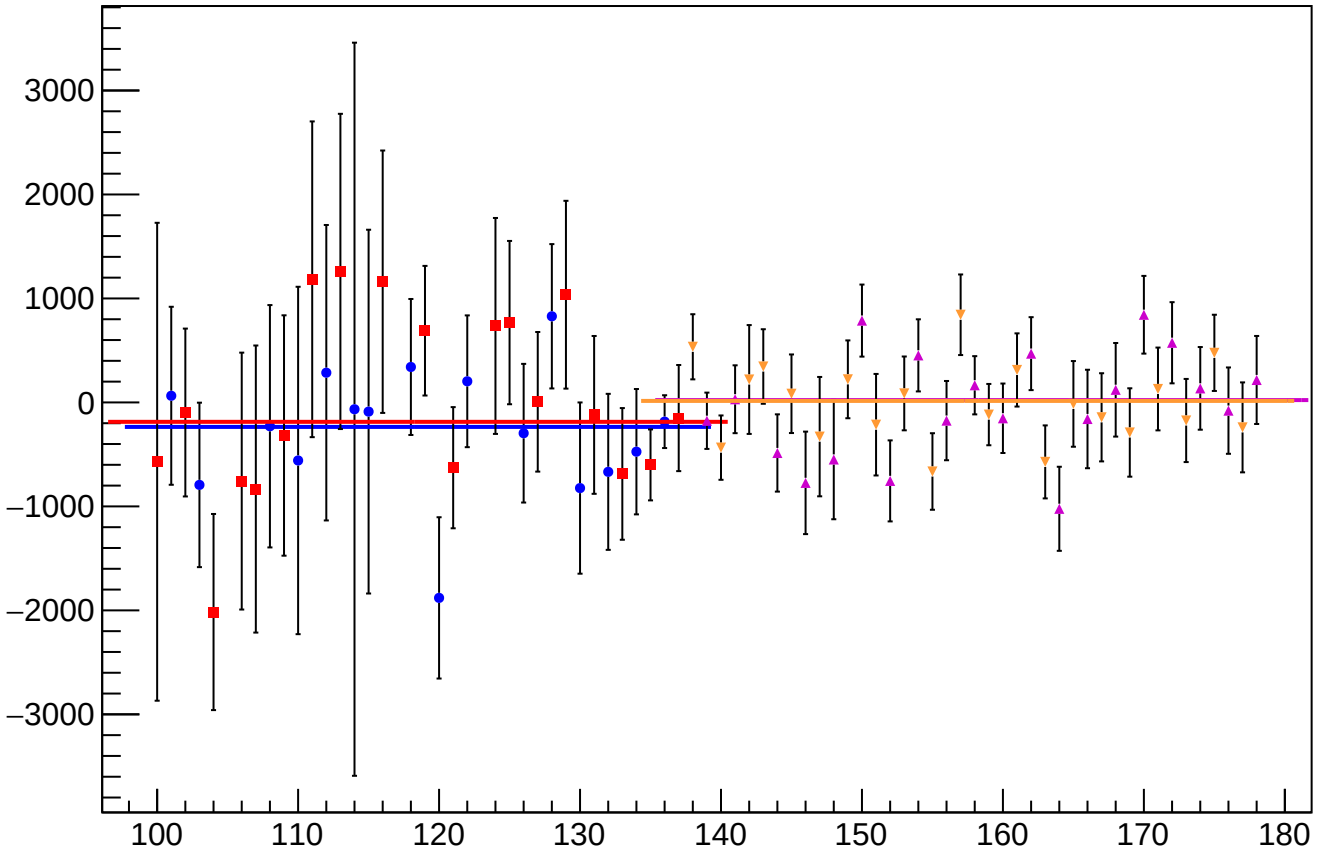
Left: 79.017+/-0.010 χ^2/NDF: 164995.1/40

Right: 81.166+/-0.015 χ^2/NDF: 1775186.5/34

In: 79.865+/-0.012 χ^2/NDF:917131.0/35

Out: 79.399+/-0.012 χ^2/NDF:1036079.0/39

All: 79.628+/-0.008 χ^2/NDF: 1954010.3/75



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: 22.492+/-83.241 χ^2/NDF:32.9/19

Left: 18.517+/-58.746 χ^2/NDF: 54.3/40

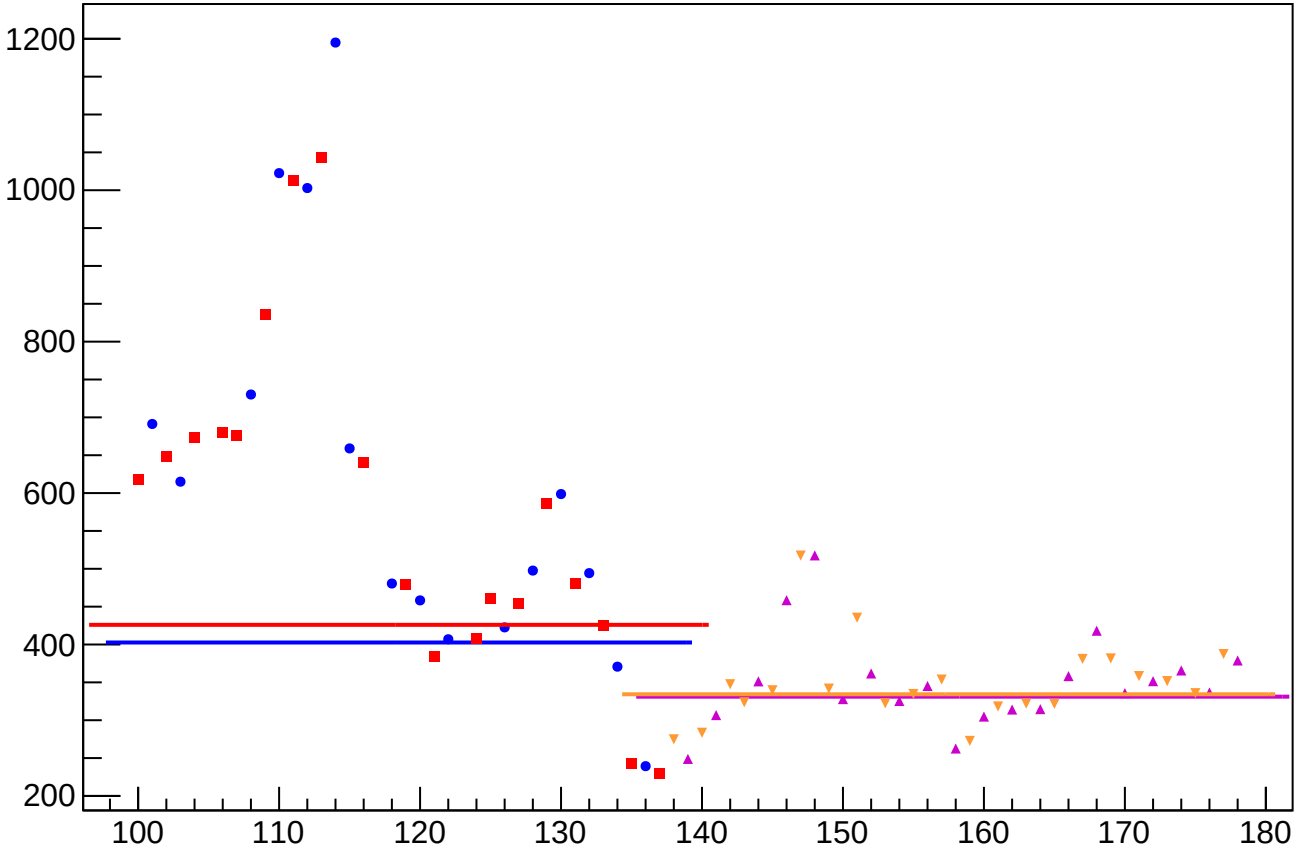
Right: -212.039+/-118.073 χ^2/NDF: 25.9/34

In: -30.482+/-74.205 χ^2/NDF:44.8/35

Out: -23.949+/-74.559 χ^2/NDF:38.5/39

All: -27.231+/-52.595 χ^2/NDF: 83.3/75

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: 331.116+/-0.059 χ^2/NDF:829951.1/19

Left: 332.699+/-0.042 χ^2/NDF: 1444762.2/40

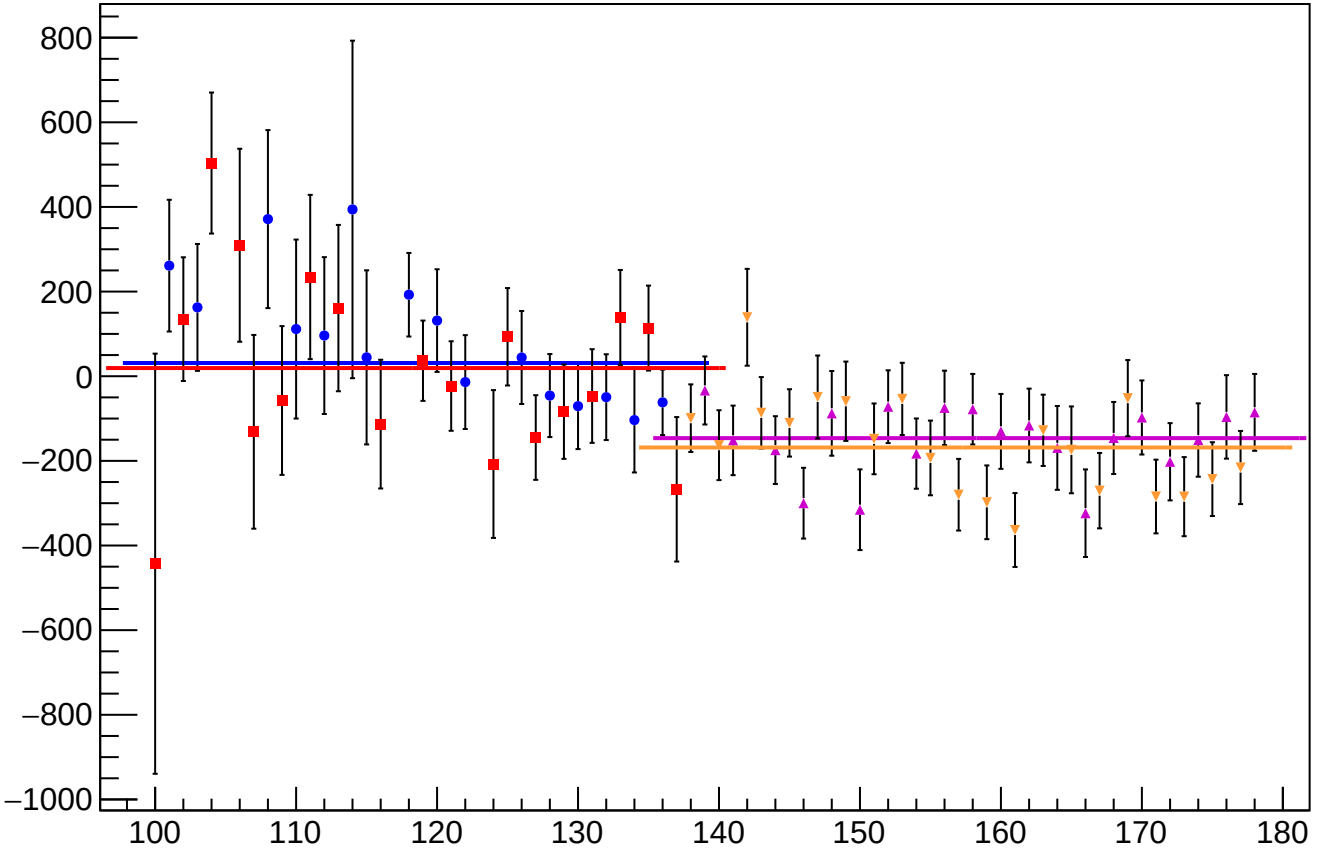
Right: 413.856+/-0.083 χ^2/NDF: 4748361.6/34

In: 345.804+/-0.052 χ^2/NDF:3493366.1/35

Out: 351.829+/-0.053 χ^2/NDF:3450603.4/39

All: 348.802+/-0.037 χ^2/NDF: 6950529.2/75

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: -146.279+/-19.744 χ^2/NDF:15.8/19

Left: -157.626+/-13.776 χ^2/NDF: 47.2/40

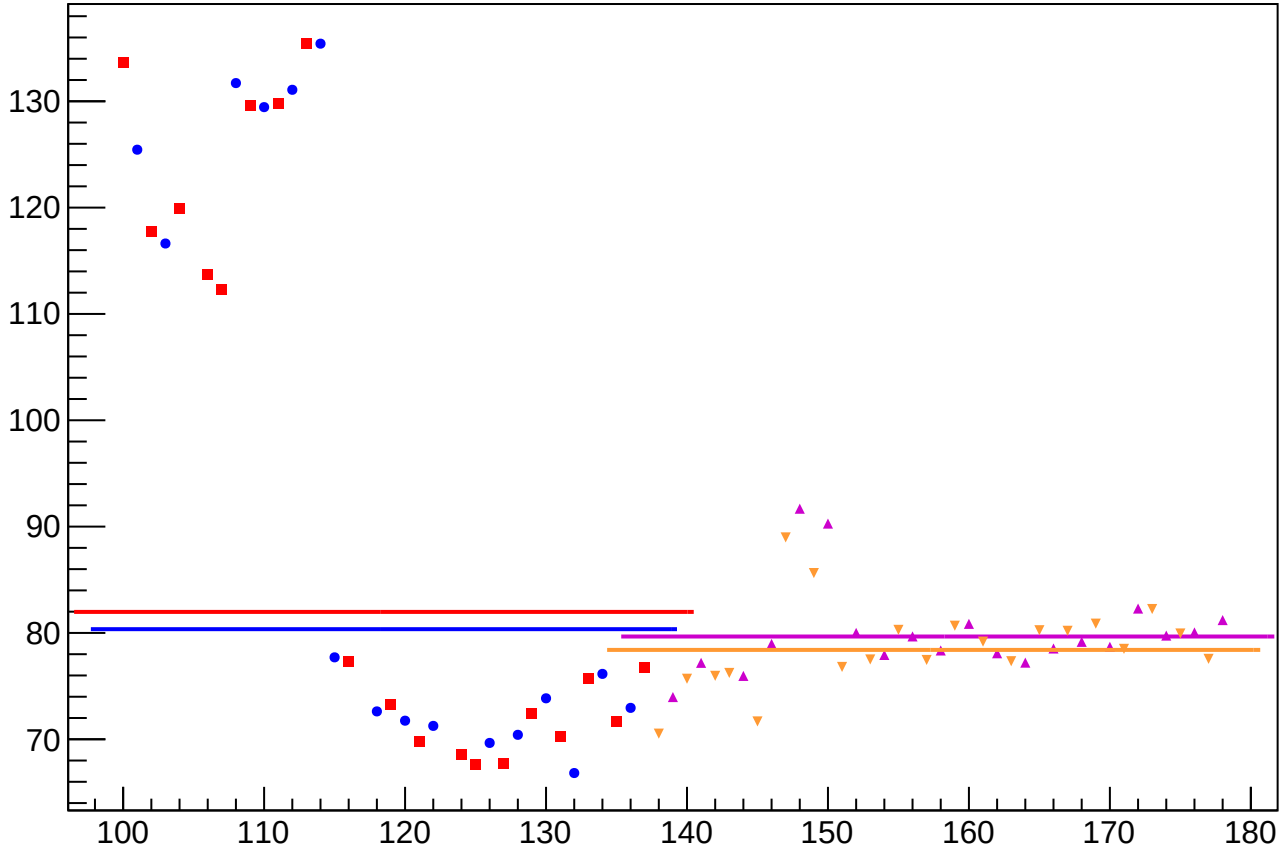
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -94.539+/-16.620 χ^2/NDF:54.4/35

Out: -116.386+/-16.350 χ^2/NDF:82.9/39

All: -105.641+/-11.655 χ^2/NDF: 138.2/75

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: 79.664+/-0.014 χ^2/NDF:76379.4/19

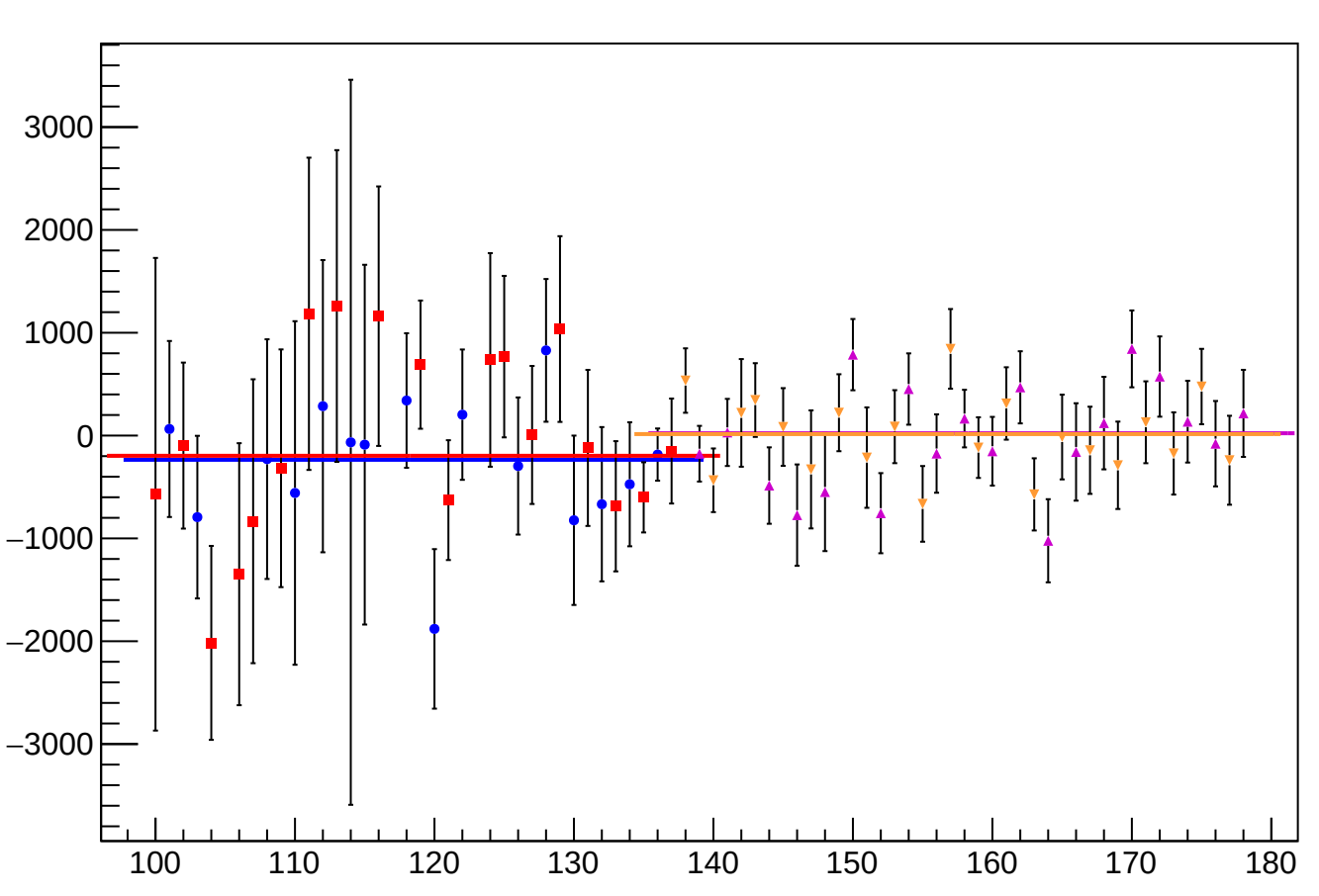
Left: 79.017+/-0.010 χ^2/NDF: 164995.1/40

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 79.865+/-0.012 χ^2/NDF:917131.2/35

Out: 79.394+/-0.012 χ^2/NDF:1034045.5/39

All: 79.626+/-0.008 χ^2/NDF: 1951991.5/75



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: 22.488+/-83.241 χ^2/NDF:32.9/19

Left: 18.513+/-58.746 χ^2/NDF: 54.3/40

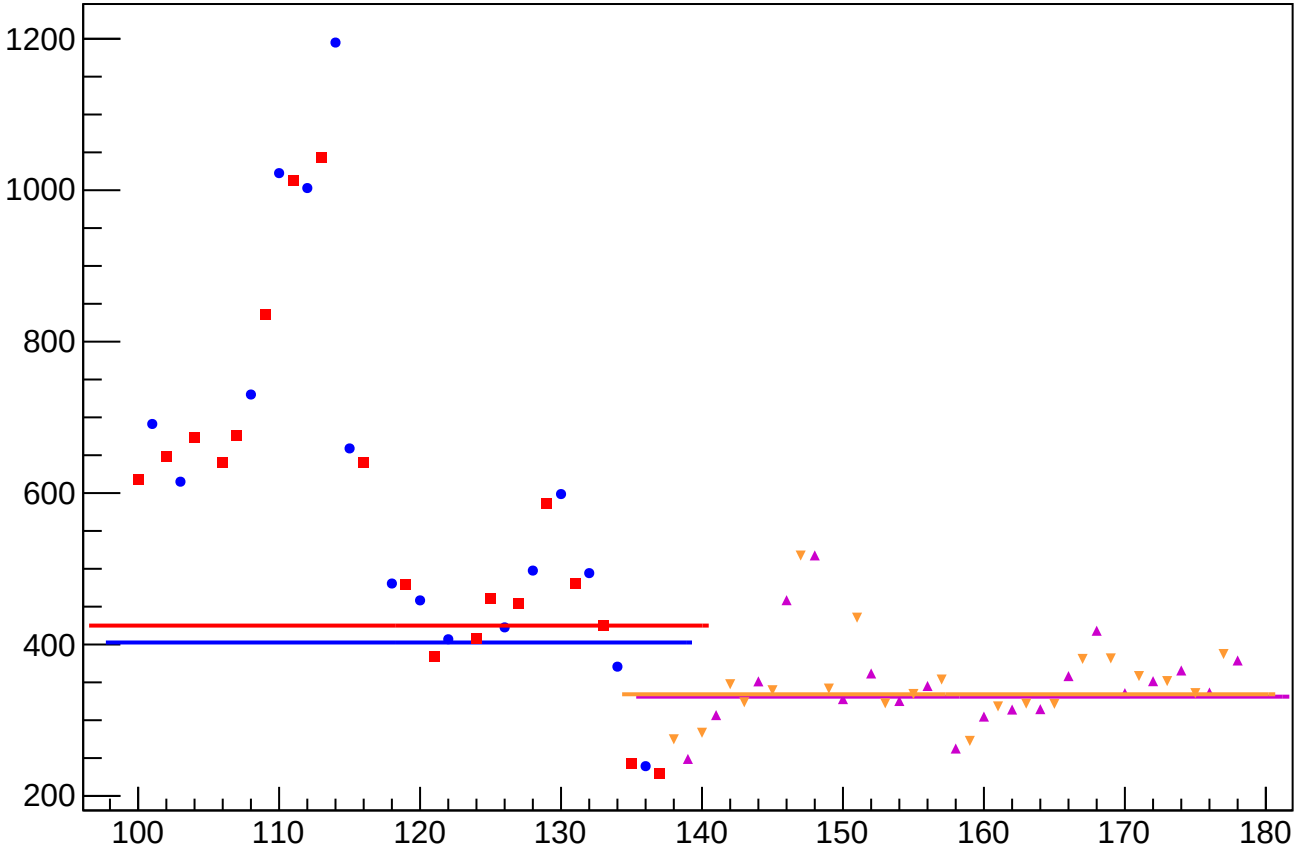
Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -30.486+/-74.205 χ^2/NDF:44.8/35

Out: -25.820+/-74.567 χ^2/NDF:39.2/39

All: -28.164+/-52.598 χ^2/NDF: 84.0/75

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: 331.116+/-0.059 χ^2/NDF:829951.5/19

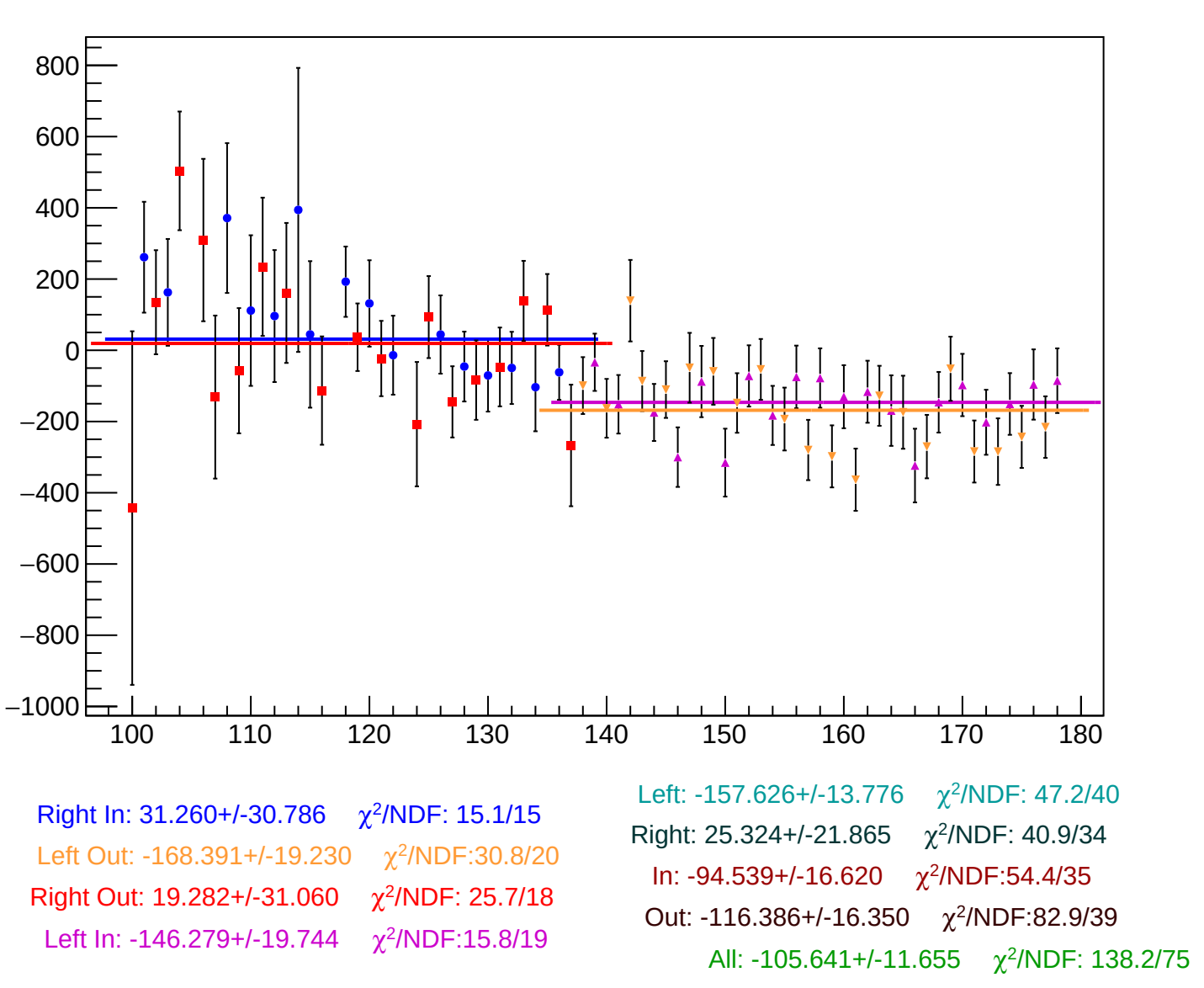
Left: 332.699+/-0.042 χ^2/NDF: 1444770.9/40

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

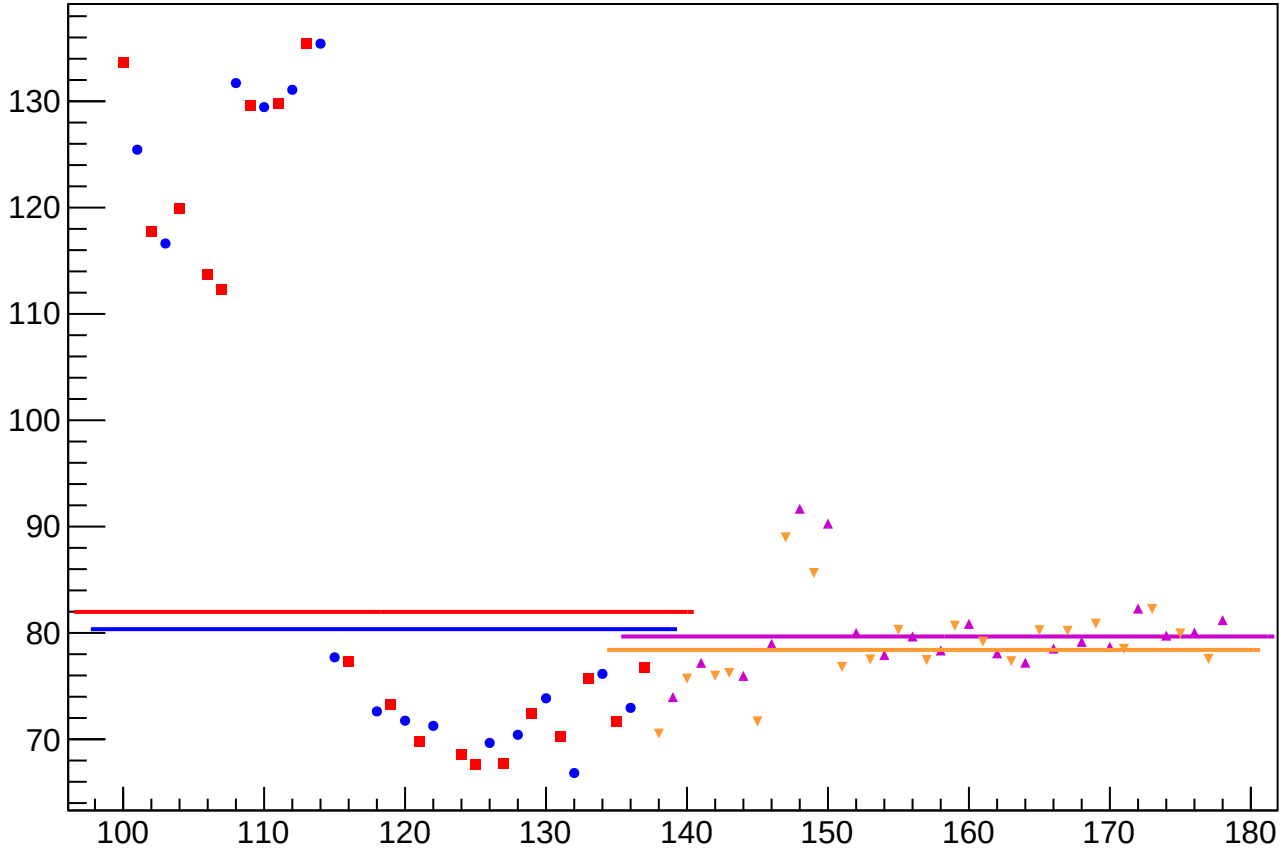
In: 345.805+/-0.052 χ^2/NDF:3493362.9/35

Out: 351.623+/-0.053 χ^2/NDF:3412343.1/39

All: 348.699+/-0.037 χ^2/NDF: 6911823.6/75


eigen_cor_asym_sam1_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
170
180
Right In: 31.260+/-30.786 χ²/NDF: 15.1/15
Left Out: -168.391+/-19.230 χ²/NDF:30.8/20
Right Out: 19.282+/-31.060 χ²/NDF: 25.7/18
Left In: -146.279+/-19.744 χ²/NDF:15.8/19
Left: -157.626+/-13.776 χ²/NDF: 47.2/40
Right: 25.324+/-21.865 χ²/NDF: 40.9/34
In: -94.539+/-16.620 χ²/NDF:54.4/35
Out: -116.386+/-16.350 χ²/NDF:82.9/39
All: -105.641+/-11.655 χ²/NDF: 138.2/75

eigen_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: 79.664+/-0.014 χ^2/NDF:76379.4/19

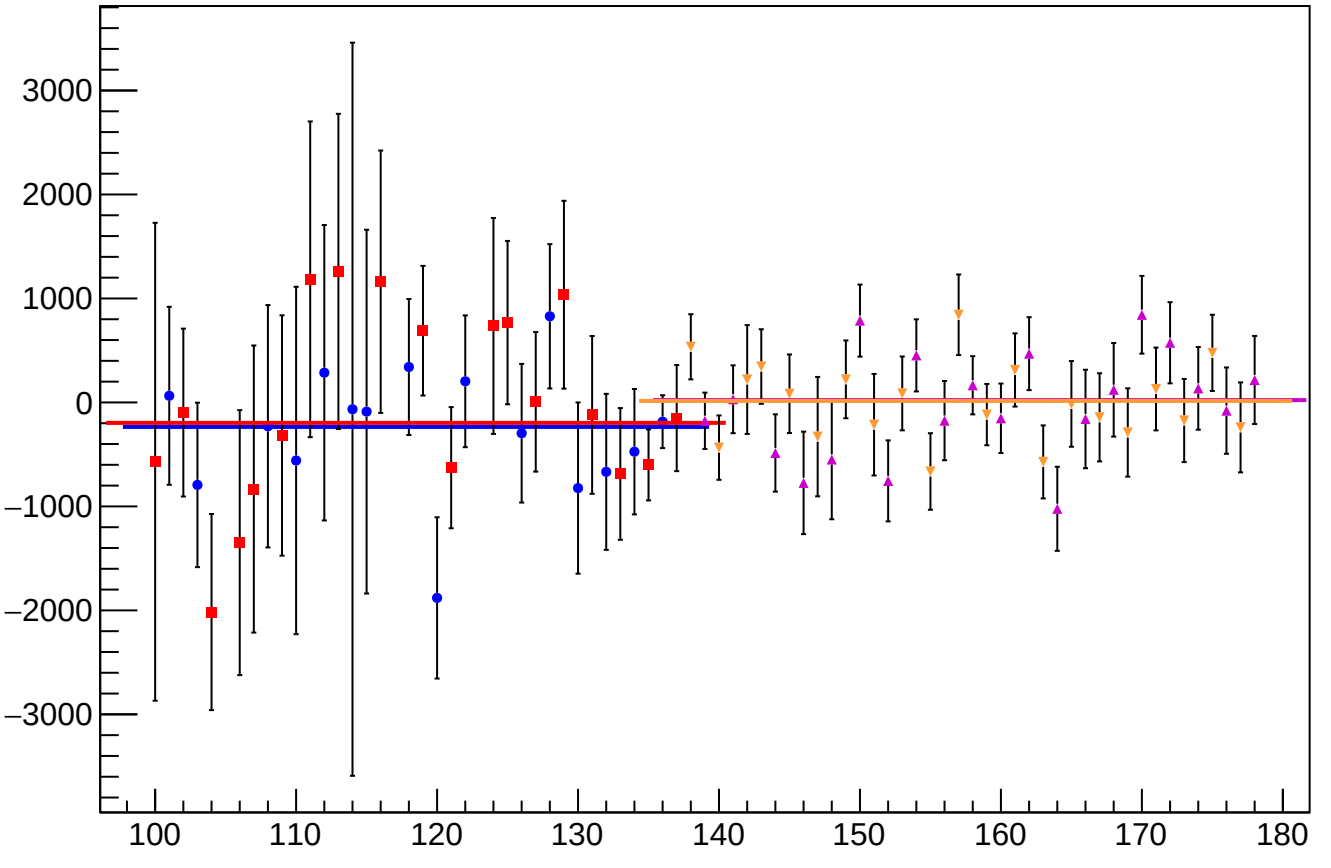
Left: 79.017+/-0.010 χ^2/NDF: 164995.1/40

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 79.865+/-0.012 χ^2/NDF:917131.2/35

Out: 79.394+/-0.012 χ^2/NDF:1034045.5/39

All: 79.626+/-0.008 χ^2/NDF: 1951991.5/75



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: 22.488+/-83.241 χ^2/NDF:32.9/19

Left: 18.513+/-58.746 χ^2/NDF: 54.3/40

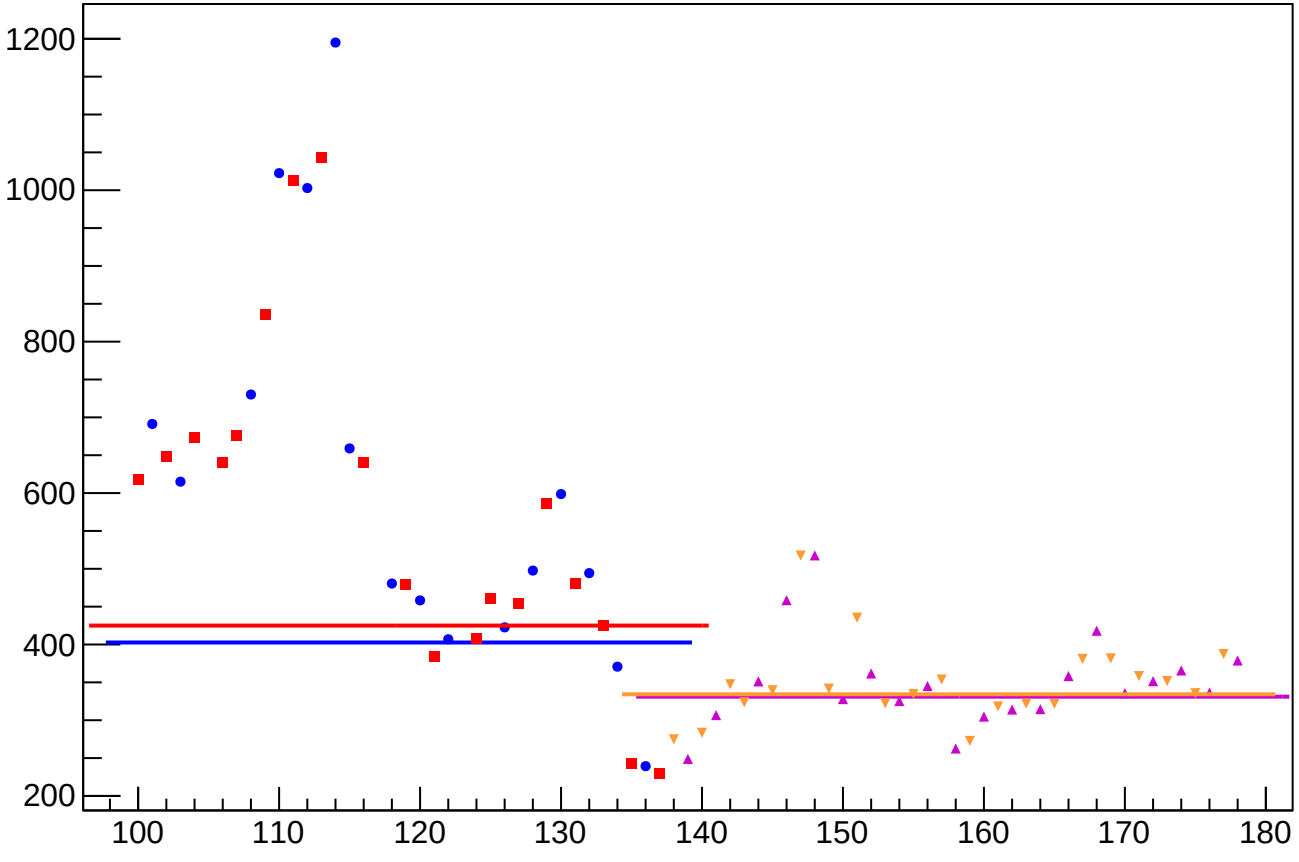
Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -30.486+/-74.205 χ^2/NDF:44.8/35

Out: -25.820+/-74.567 χ^2/NDF:39.2/39

All: -28.164+/-52.598 χ^2/NDF: 84.0/75

asym_sam1_eigen_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: 331.116+/-0.059 χ^2/NDF:829951.5/19

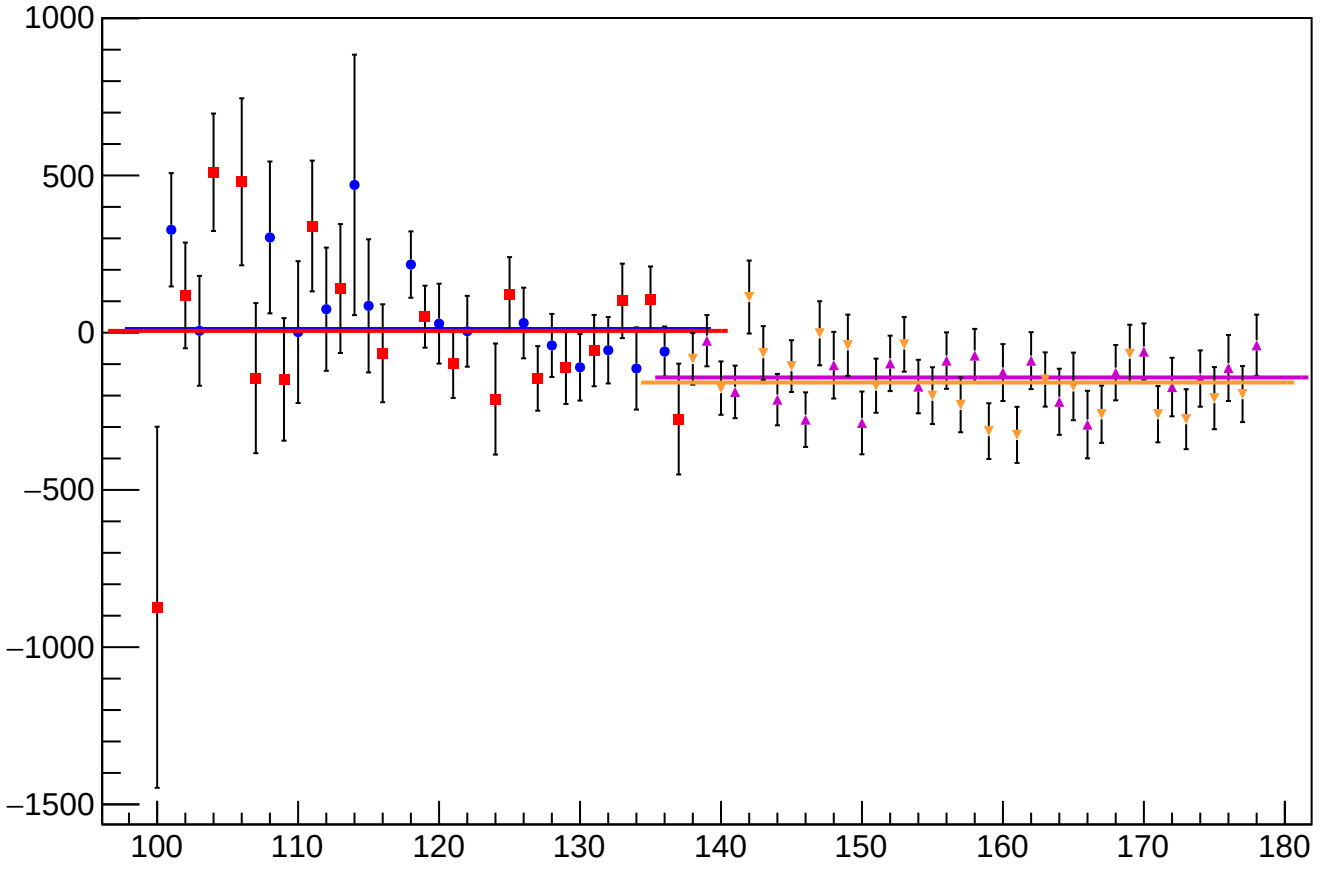
Left: 332.699+/-0.042 χ^2/NDF: 1444770.9/40

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 345.805+/-0.052 χ^2/NDF:3493362.9/35

Out: 351.623+/-0.053 χ^2/NDF:3412343.1/39

All: 348.699+/-0.037 χ^2/NDF: 6911823.6/75



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: -142.342+/-20.382 χ^2/NDF:14.2/19

Left: -150.582+/-14.211 χ^2/NDF: 41.1/40

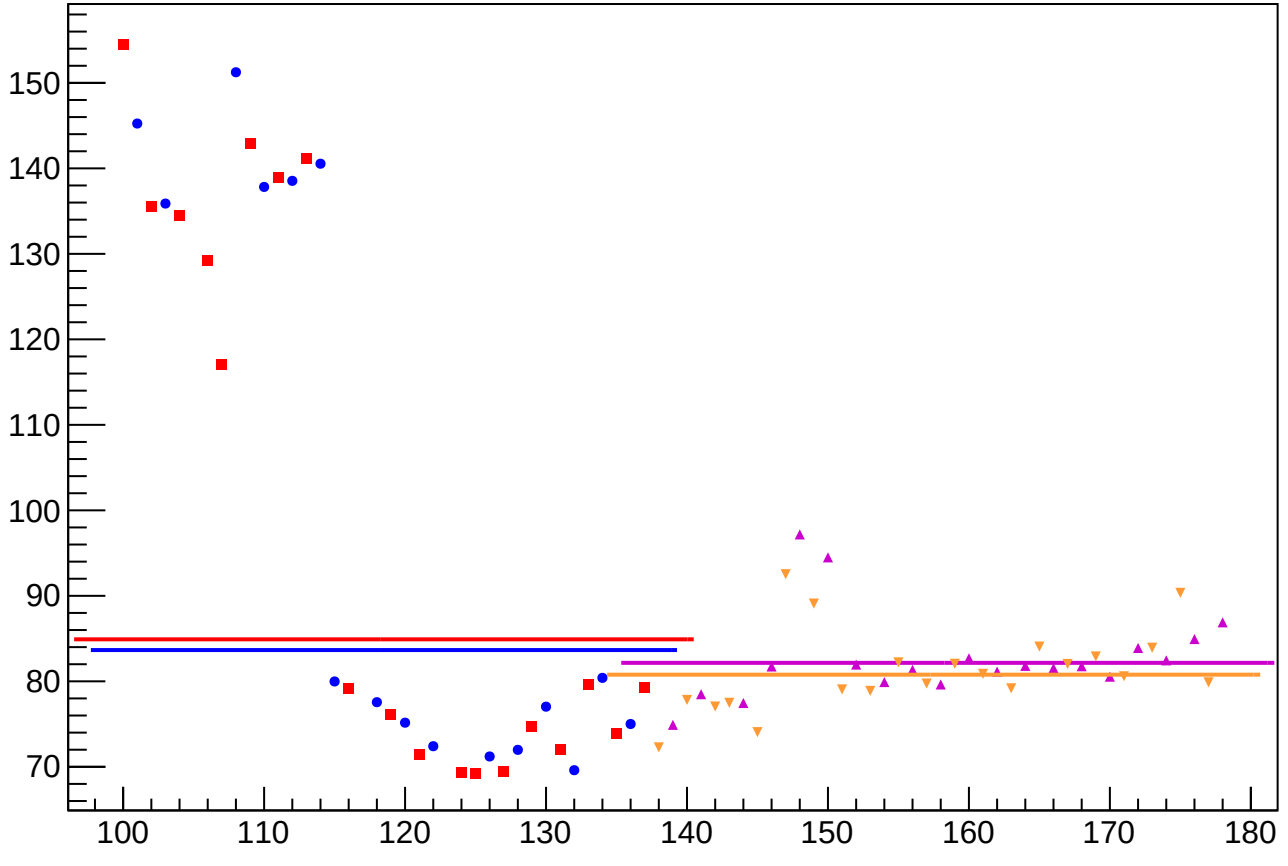
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -98.481+/-17.237 χ^2/NDF:44.0/35

Out: -113.735+/-16.917 χ^2/NDF:74.0/39

All: -106.251+/-12.074 χ^2/NDF: 118.4/75

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: 82.162+/-0.014 χ^2/NDF:108340.7/19

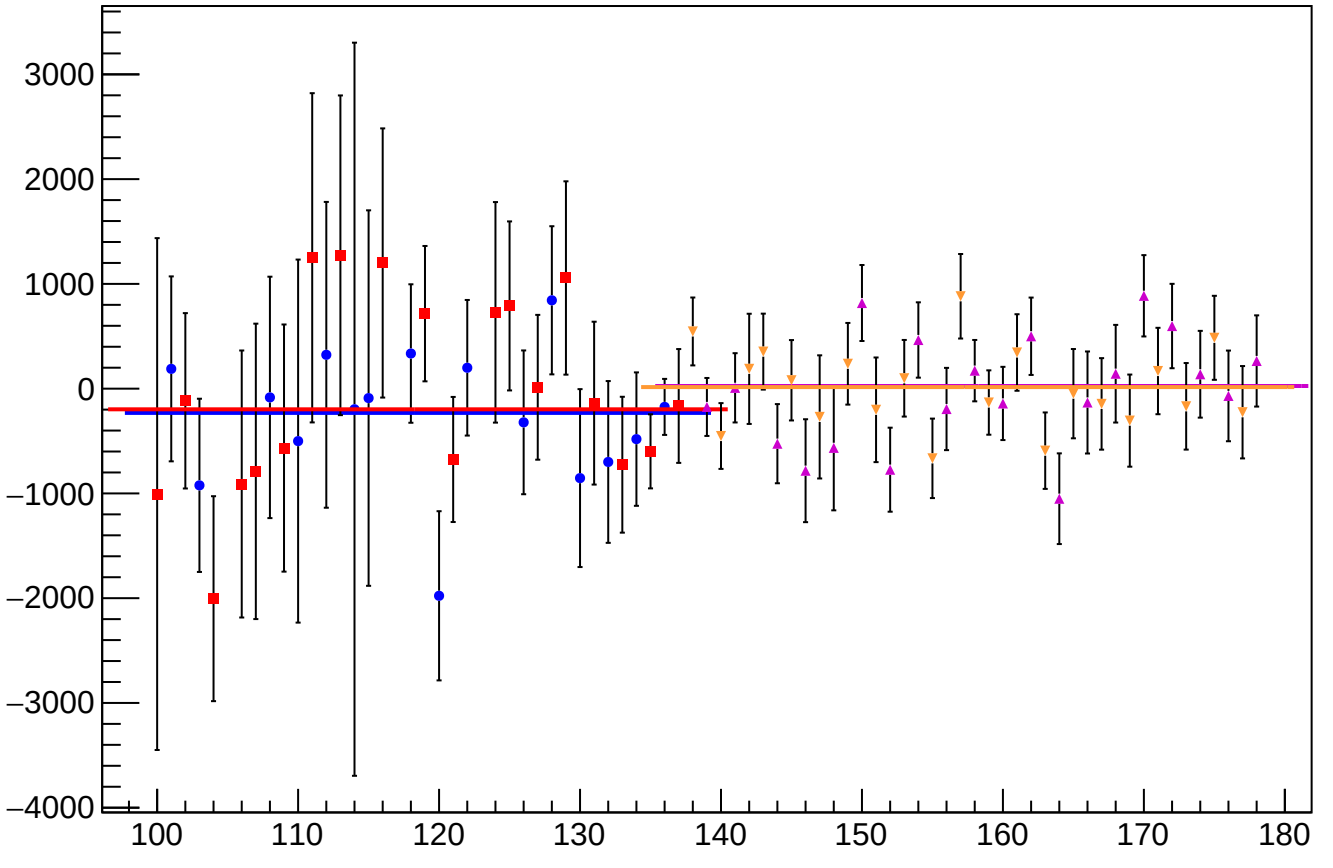
Left: 81.451+/-0.010 χ^2/NDF: 224682.7/40

Right: 84.282+/-0.016 χ^2/NDF: 2157969.4/34

In: 82.588+/-0.012 χ^2/NDF:1146201.3/35

Out: 81.902+/-0.012 χ^2/NDF:1256929.1/39

All: 82.239+/-0.009 χ^2/NDF: 2404740.9/75



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: 25.406+/-86.130 χ^2/NDF:32.7/19

Left: 20.161+/-60.726 χ^2/NDF: 53.8/40

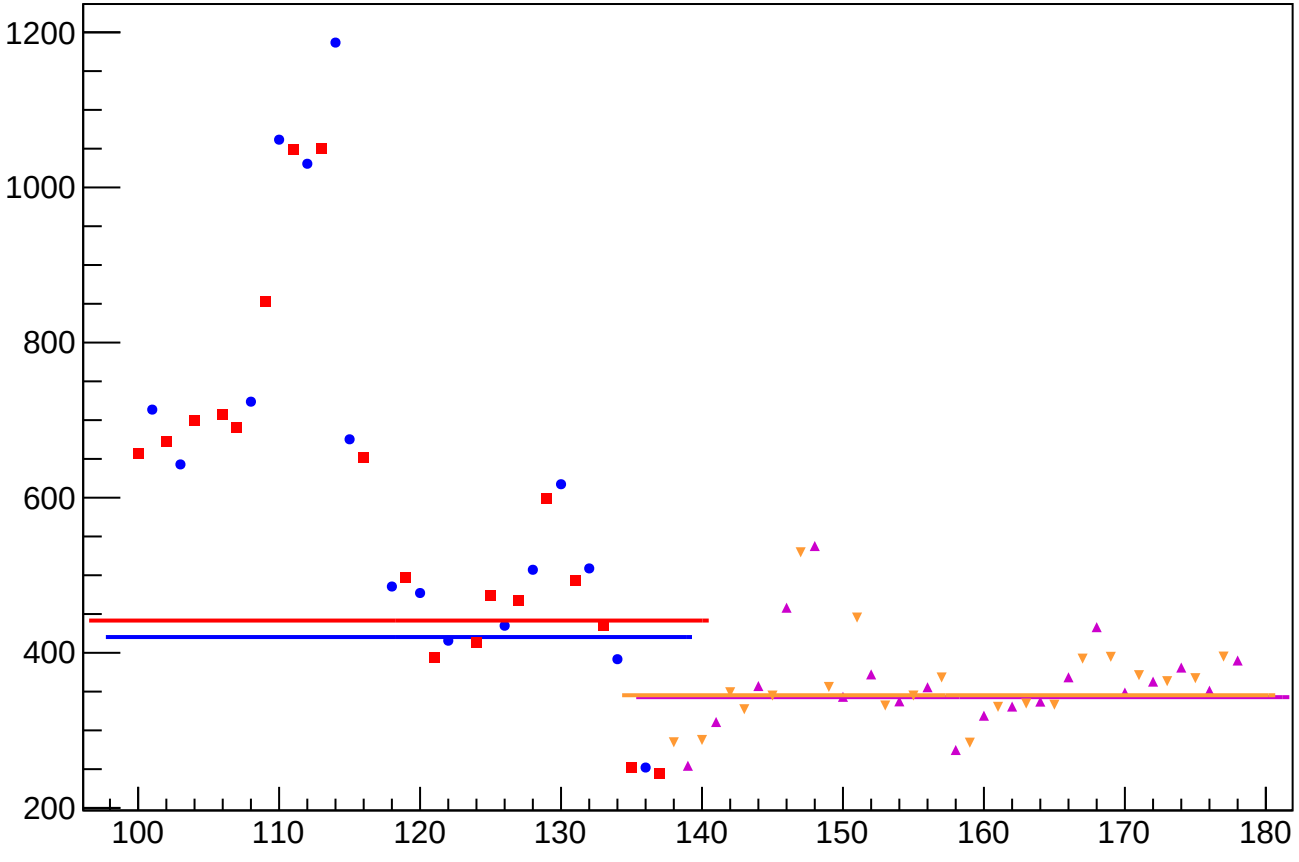
Right: -214.895+/-122.354 χ^2/NDF: 26.3/34

In: -26.986+/-76.844 χ^2/NDF:44.9/35

Out: -25.604+/-77.009 χ^2/NDF:38.1/39

All: -26.296+/-54.395 χ^2/NDF: 83.1/75

asym_sam1_dit_correction_rms vs Slug, Sign Corrected



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: 342.828+/-0.061 χ^2/NDF:810157.1/19

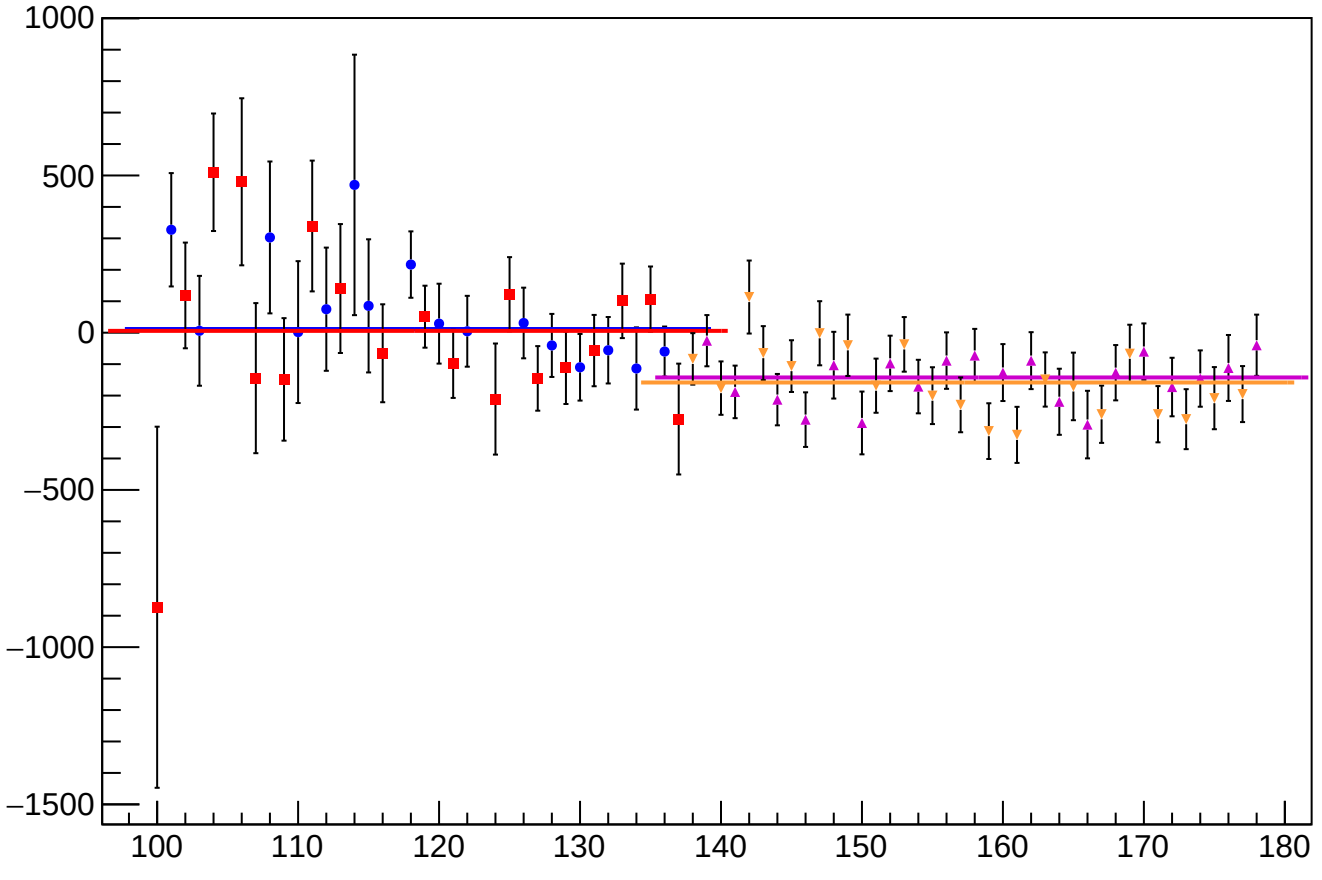
Left: 344.073+/-0.043 χ^2/NDF: 1419206.2/40

Right: 430.598+/-0.087 χ^2/NDF: 4577288.4/34

In: 358.639+/-0.054 χ^2/NDF:3395121.4/35

Out: 363.720+/-0.054 χ^2/NDF:3399492.0/39

All: 361.174+/-0.038 χ^2/NDF: 6798976.8/75



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: -142.342+/-20.382 χ^2/NDF:14.2/19

Left: -150.582+/-14.211 χ^2/NDF: 41.1/40

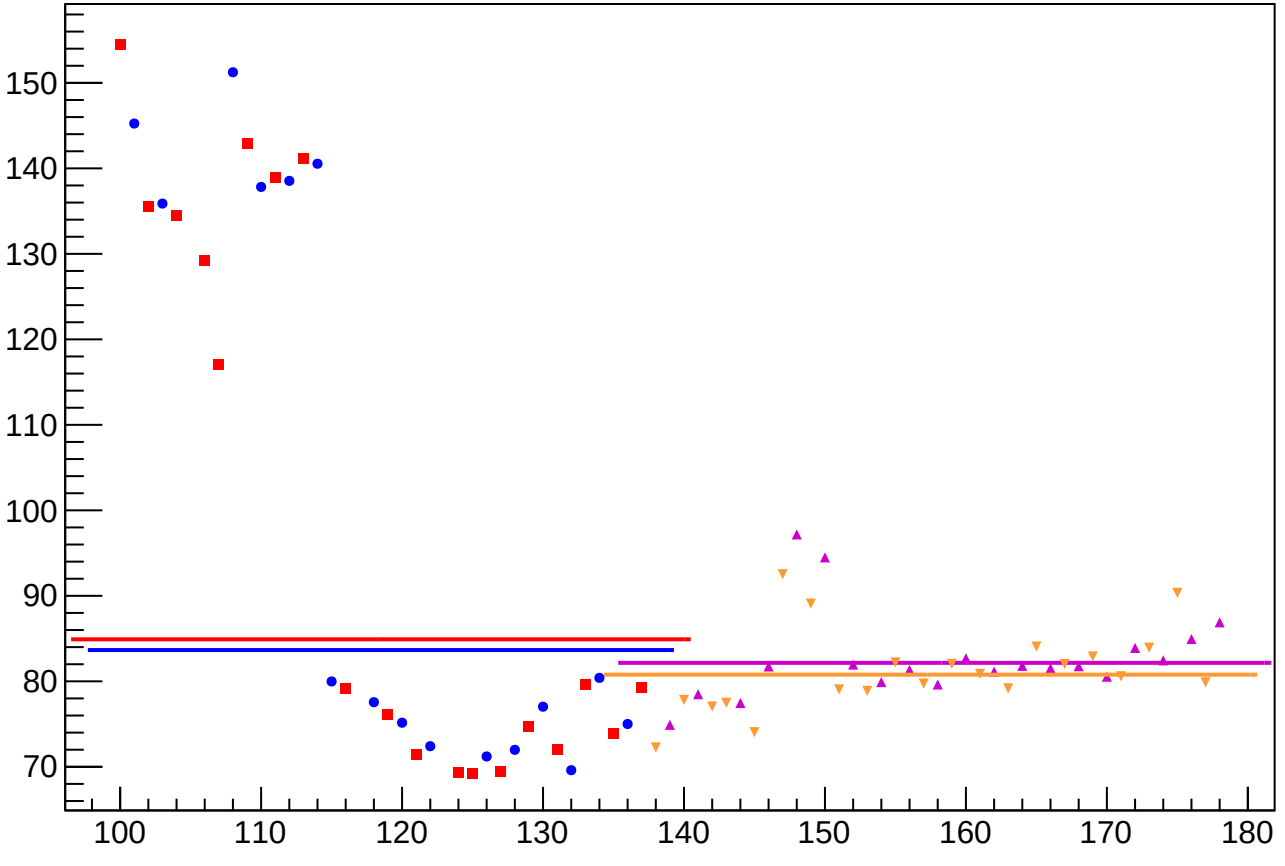
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -98.481+/-17.237 χ^2/NDF:44.0/35

Out: -113.735+/-16.917 χ^2/NDF:74.0/39

All: -106.251+/-12.074 χ^2/NDF: 118.4/75

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: 82.162+/-0.014 χ^2/NDF:108339.7/19

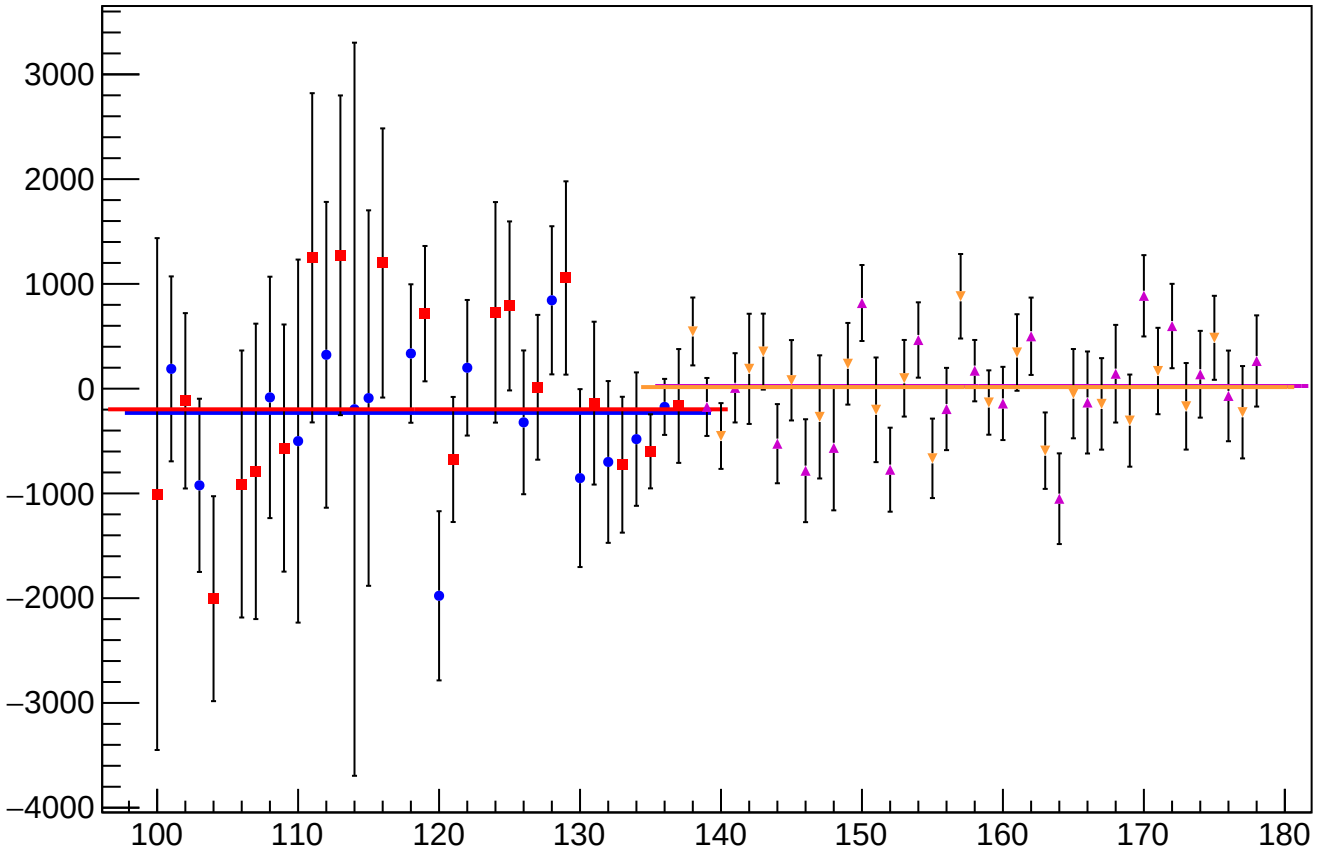
Left: 81.451+/-0.010 χ^2/NDF: 224681.1/40

Right: 84.282+/-0.016 χ^2/NDF: 2157967.8/34

In: 82.588+/-0.012 χ^2/NDF:1146199.6/35

Out: 81.902+/-0.012 χ^2/NDF:1256926.8/39

All: 82.239+/-0.009 χ^2/NDF: 2404736.9/75



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: 25.406+/-86.130 χ^2/NDF:32.7/19

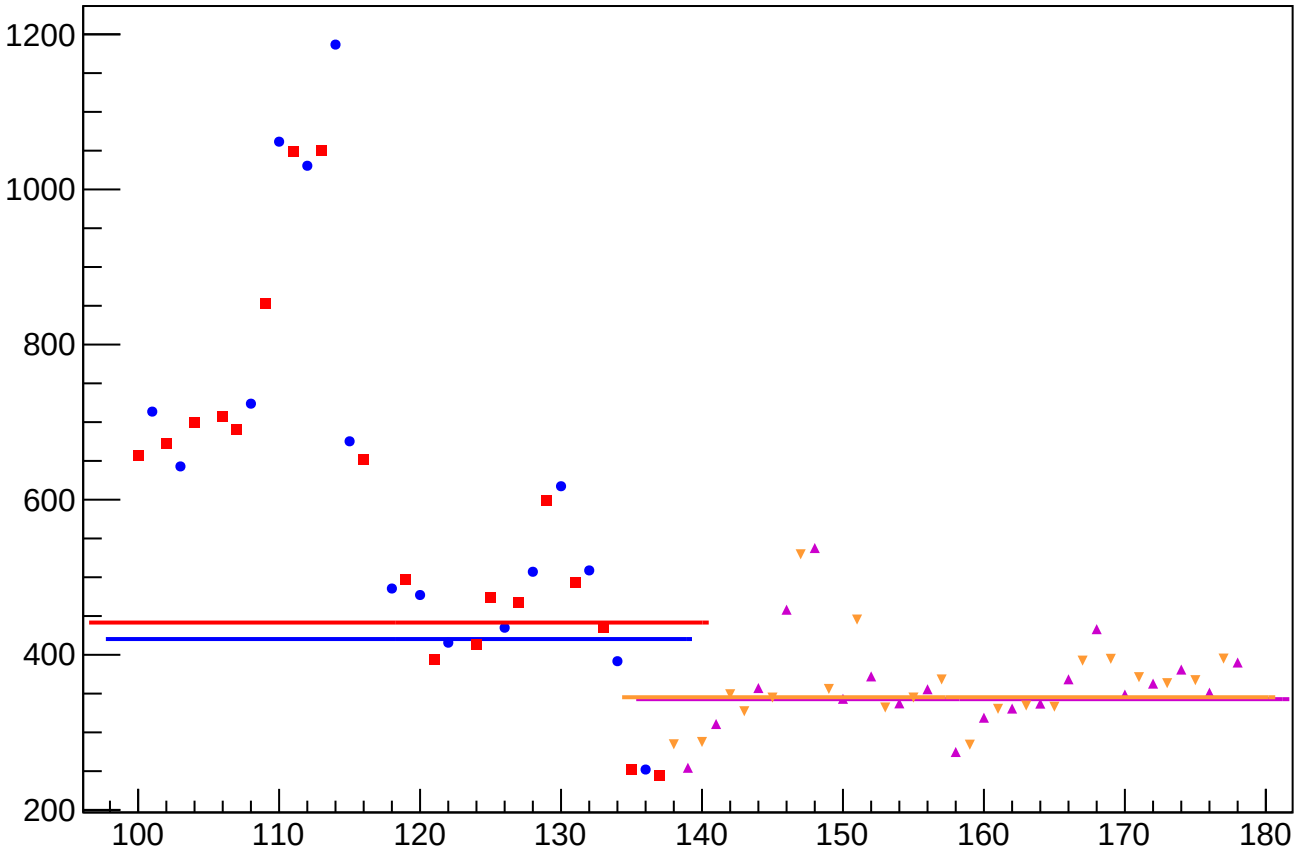
Left: 20.161+/-60.726 χ^2/NDF: 53.8/40

Right: -214.894+/-122.354 χ^2/NDF: 26.3/34

In: -26.985+/-76.844 χ^2/NDF:44.9/35

Out: -25.604+/-77.009 χ^2/NDF:38.1/39

All: -26.296+/-54.395 χ^2/NDF: 83.1/75



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: 342.828+/-0.061 χ^2/NDF:810160.0/19

Left: 344.073+/-0.043 χ^2/NDF: 1419210.3/40

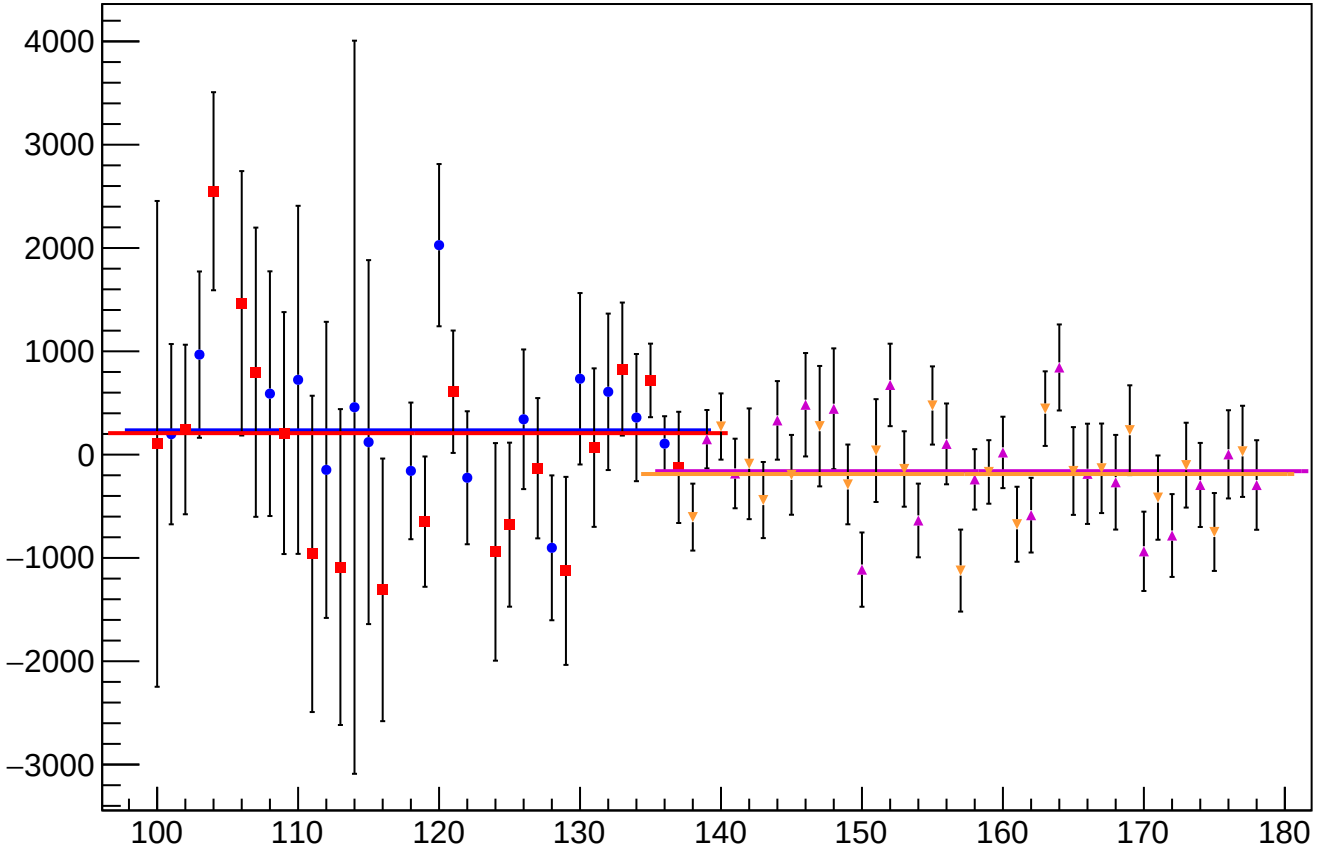
Right: 430.597+/-0.087 χ^2/NDF: 4577299.7/34

In: 358.639+/-0.054 χ^2/NDF:3395125.3/35

Out: 363.720+/-0.054 χ^2/NDF:3399493.7/39

All: 361.174+/-0.038 χ^2/NDF: 6798982.4/75

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: -160.225+/-85.768 χ^2/NDF:33.7/19

Left: -174.059+/-60.481 χ^2/NDF: 56.2/40

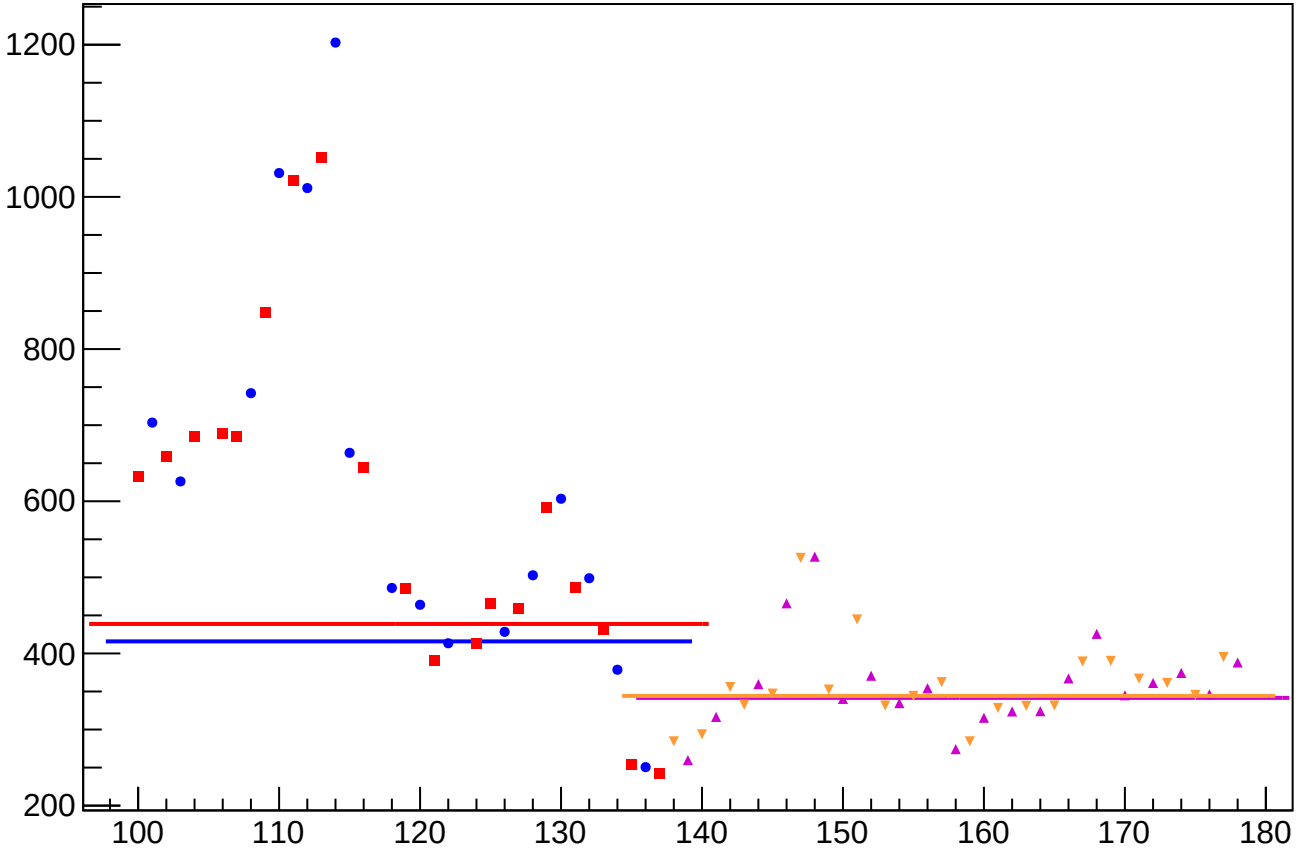
Right: 222.010+/-121.173 χ^2/NDF: 31.1/34

In: -78.655+/-76.408 χ^2/NDF:48.8/35

Out: -111.582+/-76.652 χ^2/NDF:46.9/39

All: -95.066+/-54.115 χ^2/NDF: 95.8/75

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: 341.612+/-0.061 χ^2/NDF:761609.1/19

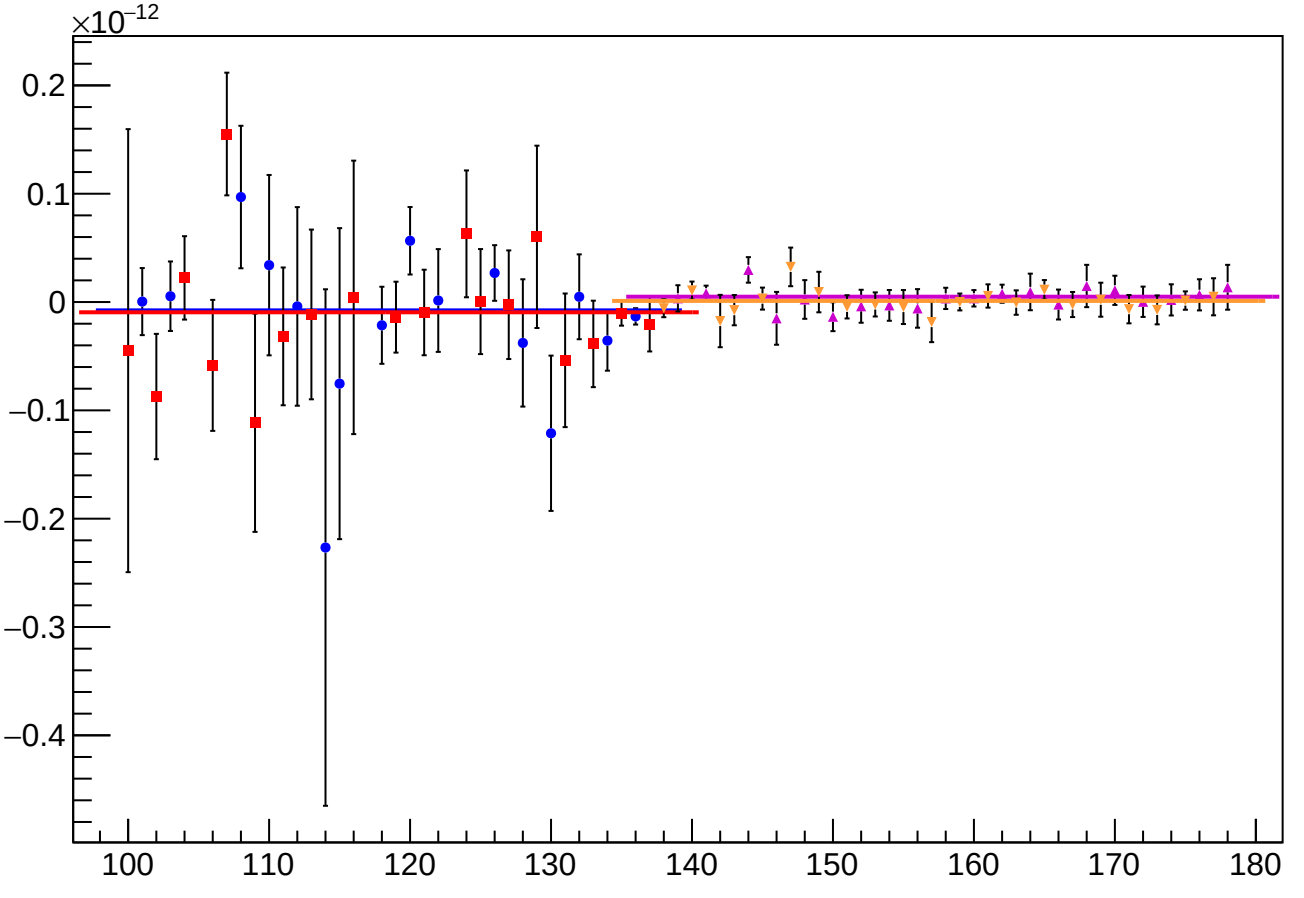
Left: 342.923+/-0.043 χ^2/NDF: 1330329.4/40

Right: 426.871+/-0.086 χ^2/NDF: 4476610.3/34

In: 356.930+/-0.054 χ^2/NDF:3294686.4/35

Out: 362.419+/-0.054 χ^2/NDF:3275579.3/39

All: 359.666+/-0.038 χ^2/NDF: 6575411.1/75



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:9.6/19

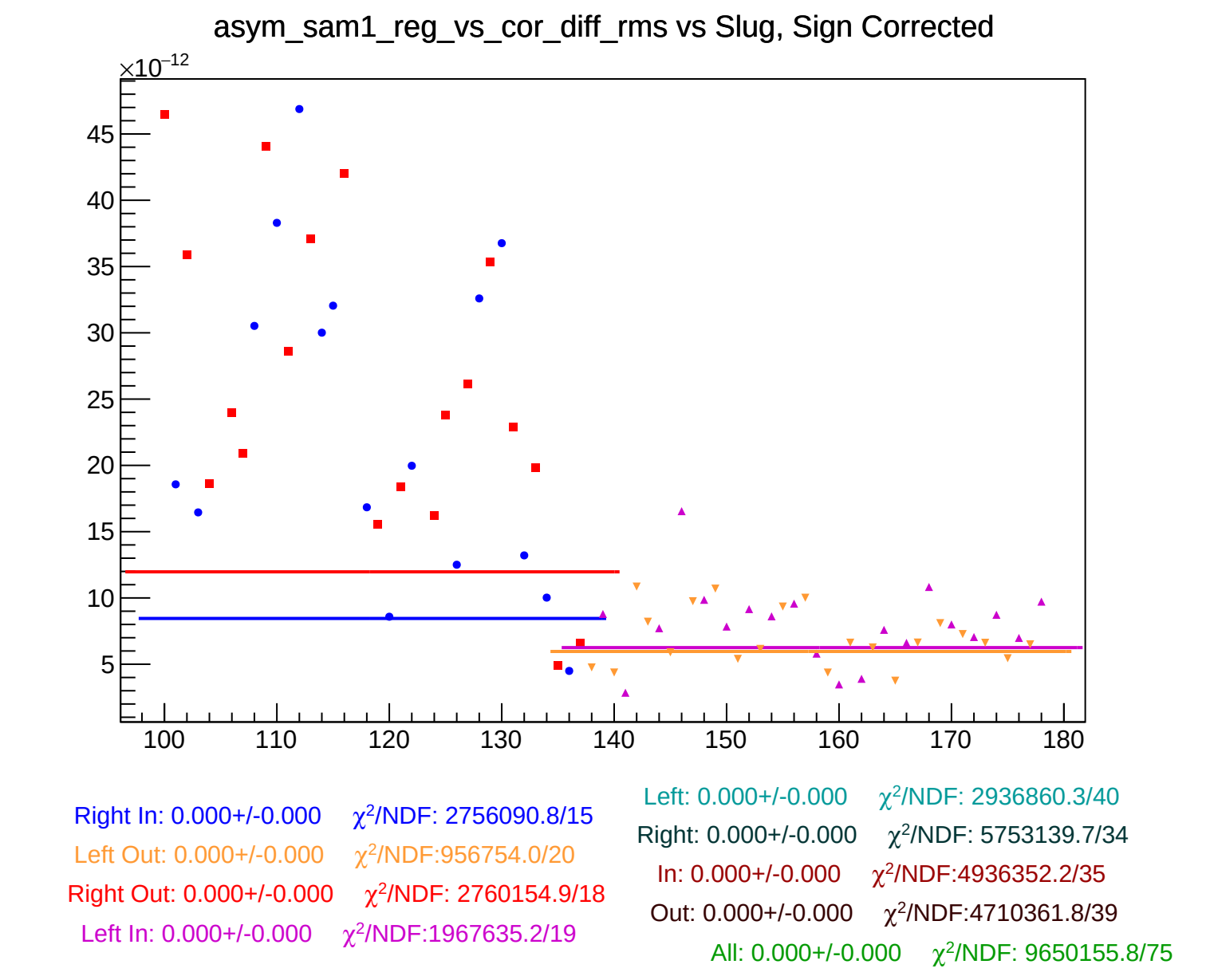
Left: 0.000+/-0.000 χ^2/NDF: 21.0/40

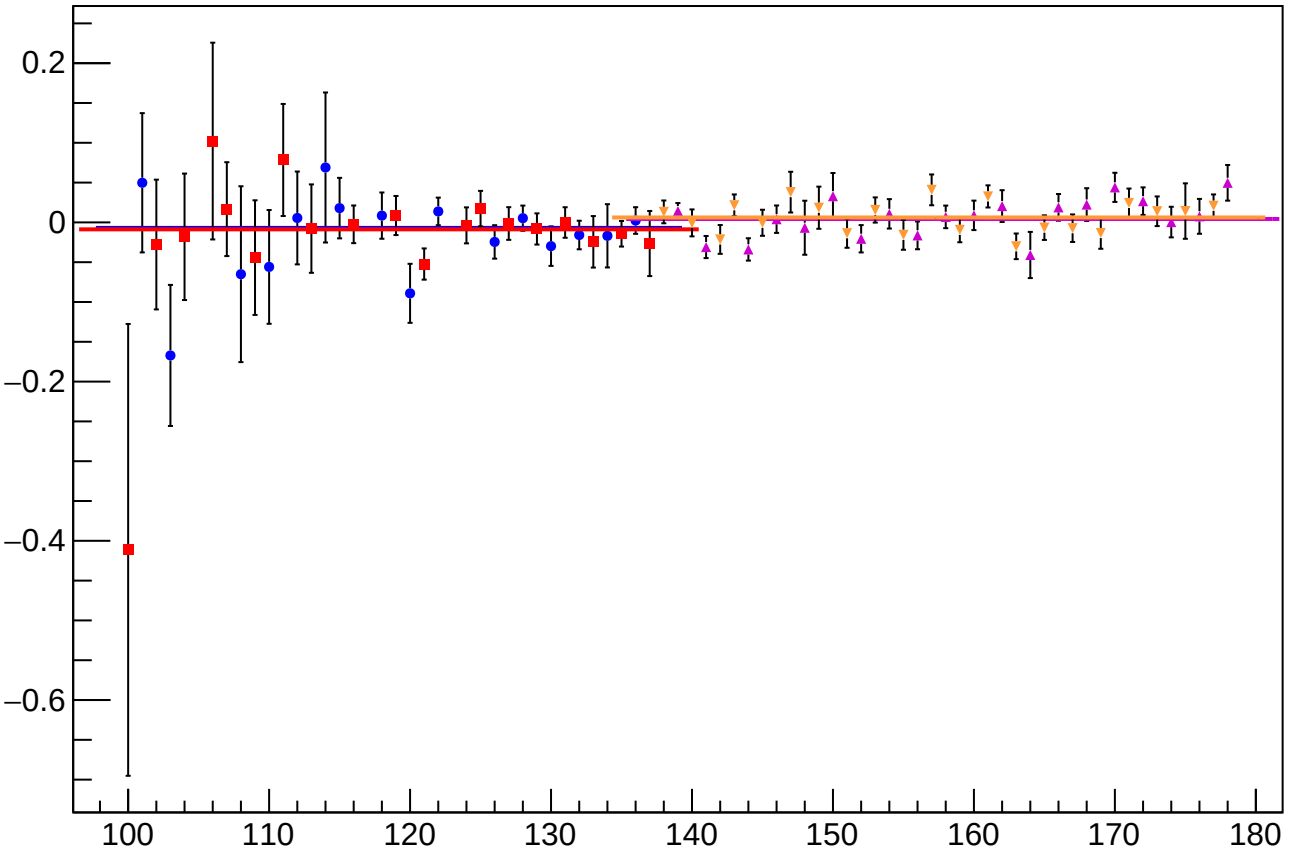
Right: -0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:27.8/35

Out: 0.000+/-0.000 χ^2/NDF:28.2/39

All: 0.000+/-0.000 χ^2/NDF: 56.6/75


asym_sam1_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
45
40
35
30
25
20
15
10
5
100
110
120
130
140
150
160
170
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:1967635.2/19
Left: 0.000+/-0.000 χ²/NDF: 2936860.3/40
Right: 0.000+/-0.000 χ²/NDF: 5753139.7/34
In: 0.000+/-0.000 χ²/NDF:4936352.2/35
Out: 0.000+/-0.000 χ²/NDF:4710361.8/39
All: 0.000+/-0.000 χ²/NDF: 9650155.8/75



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: 0.004+/-0.004 χ^2/NDF:34.8/19

Left: 0.005+/-0.003 χ^2/NDF: 61.2/40

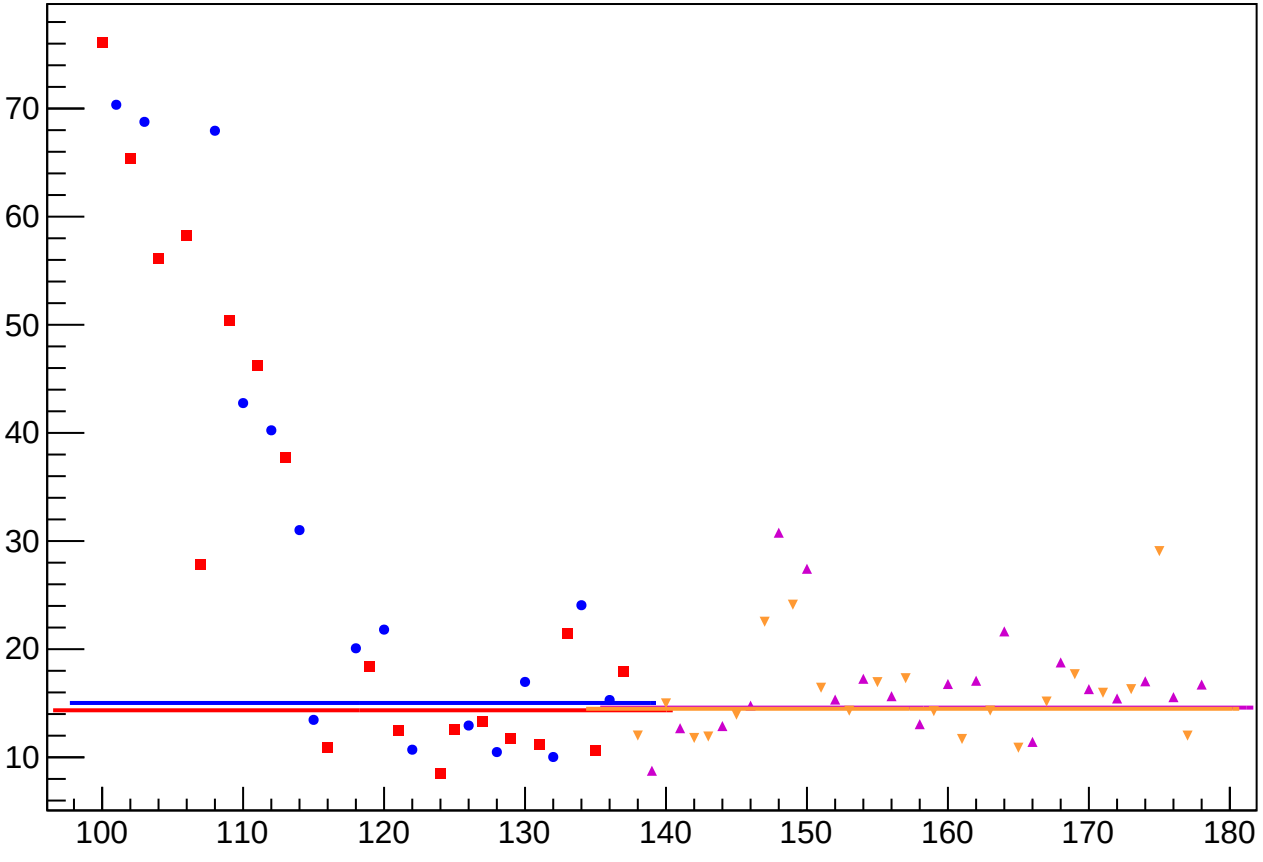
Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: 0.001+/-0.003 χ^2/NDF:51.8/35

Out: 0.002+/-0.003 χ^2/NDF:43.0/39

All: 0.002+/-0.002 χ^2/NDF: 94.8/75

asym_sam1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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: 14.595+/-0.003 χ^2/NDF:2070942.9/19

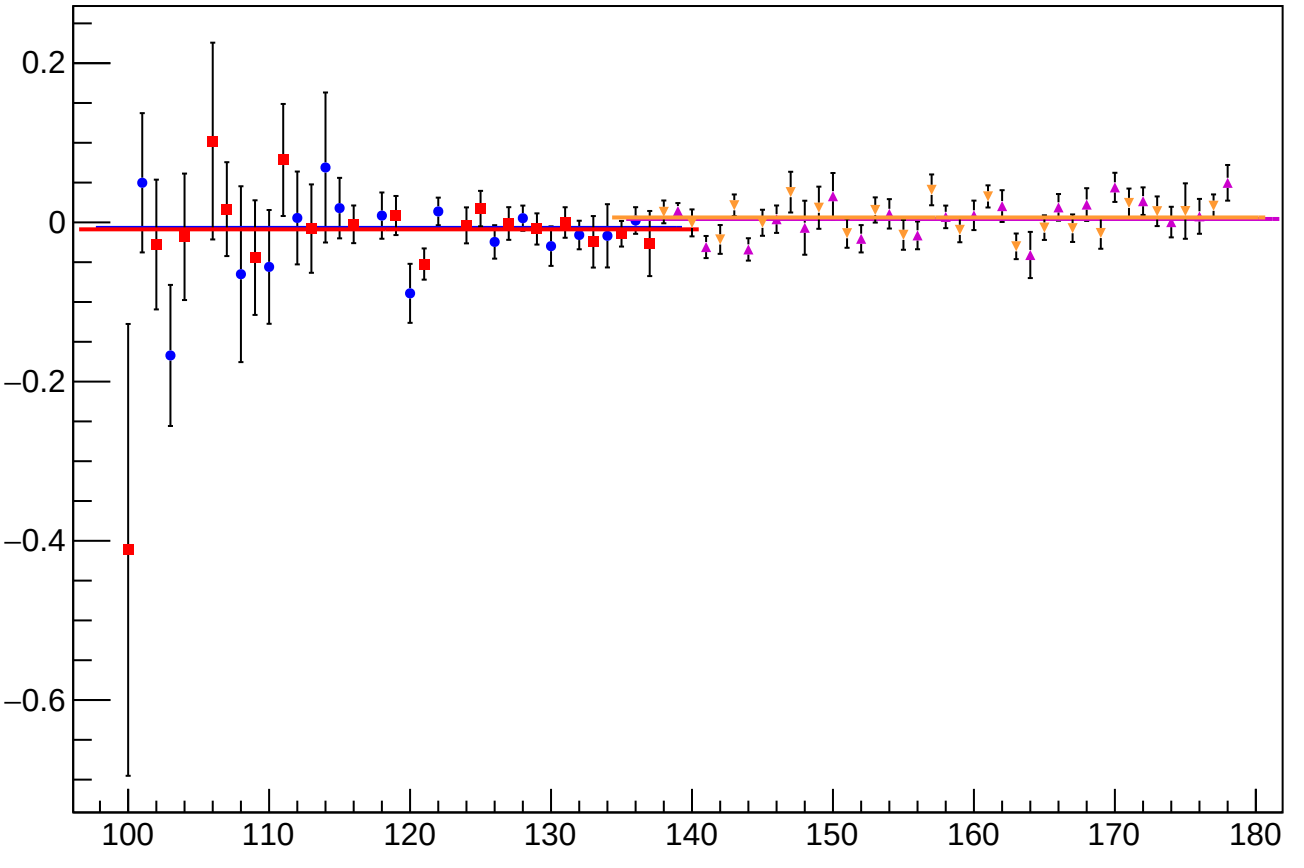
Left: 14.540+/-0.002 χ^2/NDF: 3501425.2/40

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 14.703+/-0.002 χ^2/NDF:5515324.0/35

Out: 14.453+/-0.002 χ^2/NDF:5059440.7/39

All: 14.573+/-0.002 χ^2/NDF: 10580515.5/75



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: 0.004+/-0.004 χ^2/NDF:34.8/19

Left: 0.005+/-0.003 χ^2/NDF: 61.2/40

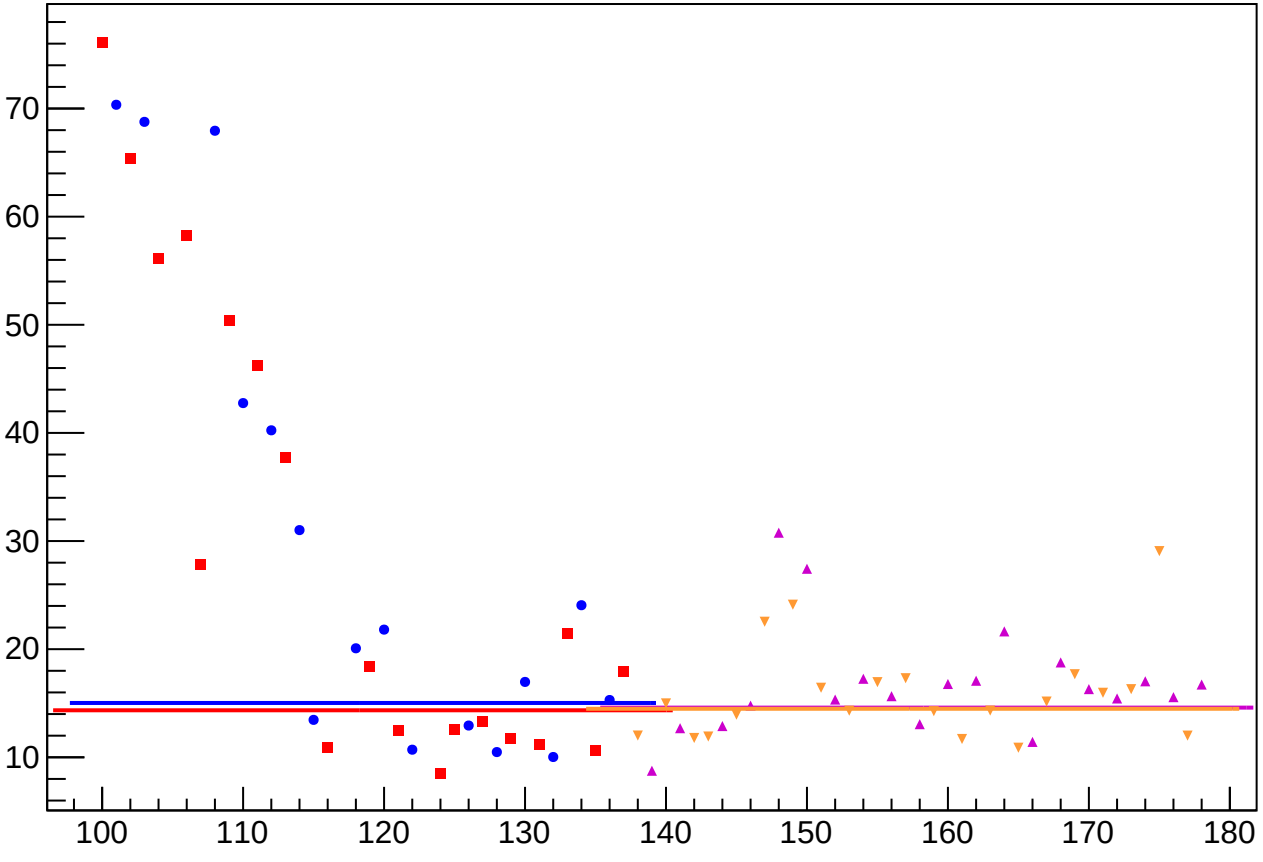
Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: 0.001+/-0.003 χ^2/NDF:51.8/35

Out: 0.002+/-0.003 χ^2/NDF:43.0/39

All: 0.002+/-0.002 χ^2/NDF: 94.8/75

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.489+/-0.003 χ^2/NDF:1429707.0/20

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 14.595+/-0.003 χ^2/NDF:2070942.9/19

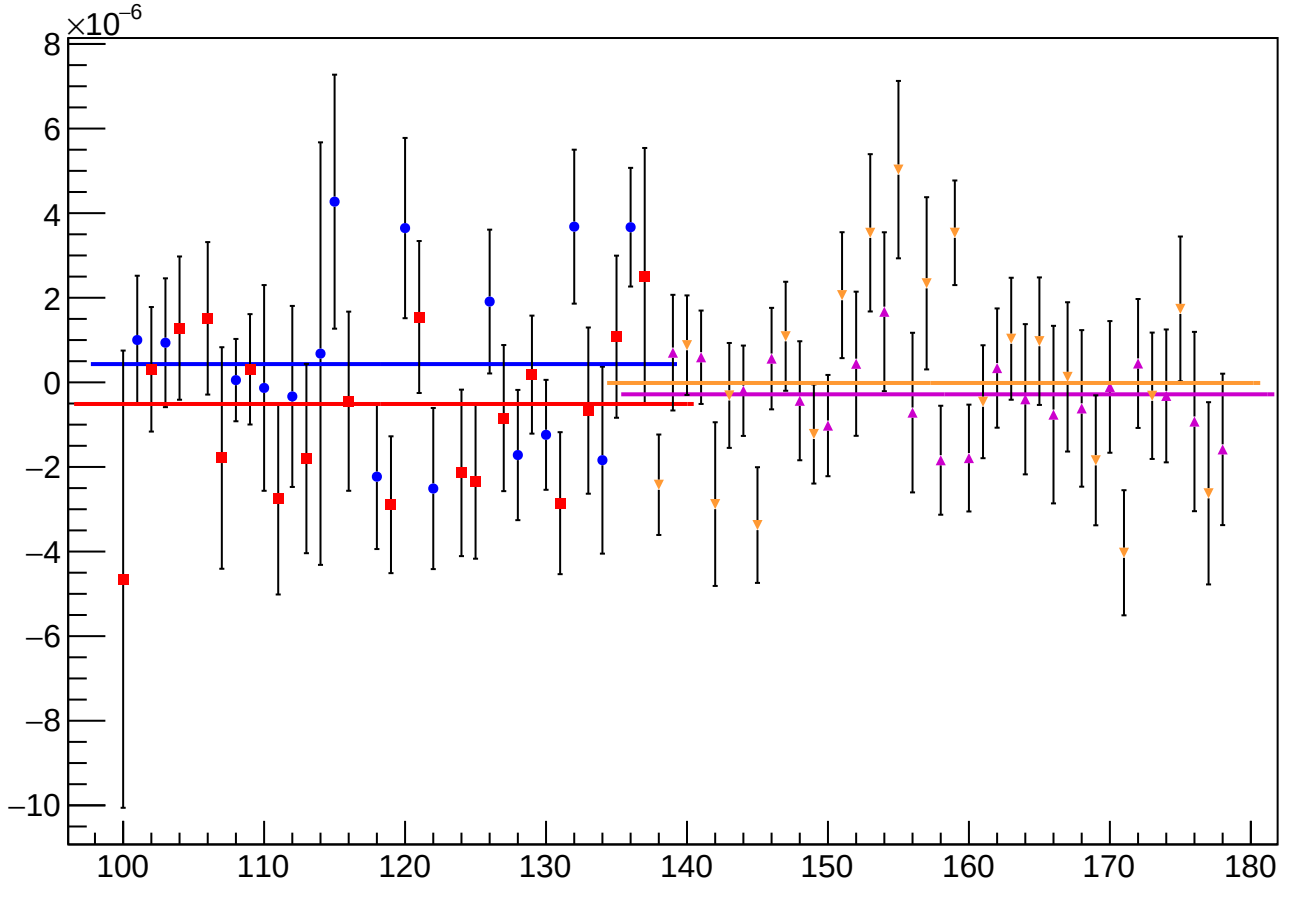
Left: 14.540+/-0.002 χ^2/NDF: 3501425.2/40

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 14.703+/-0.002 χ^2/NDF:5515324.0/35

Out: 14.453+/-0.002 χ^2/NDF:5059440.7/39

All: 14.573+/-0.002 χ^2/NDF: 10580515.5/75



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:7.4/19

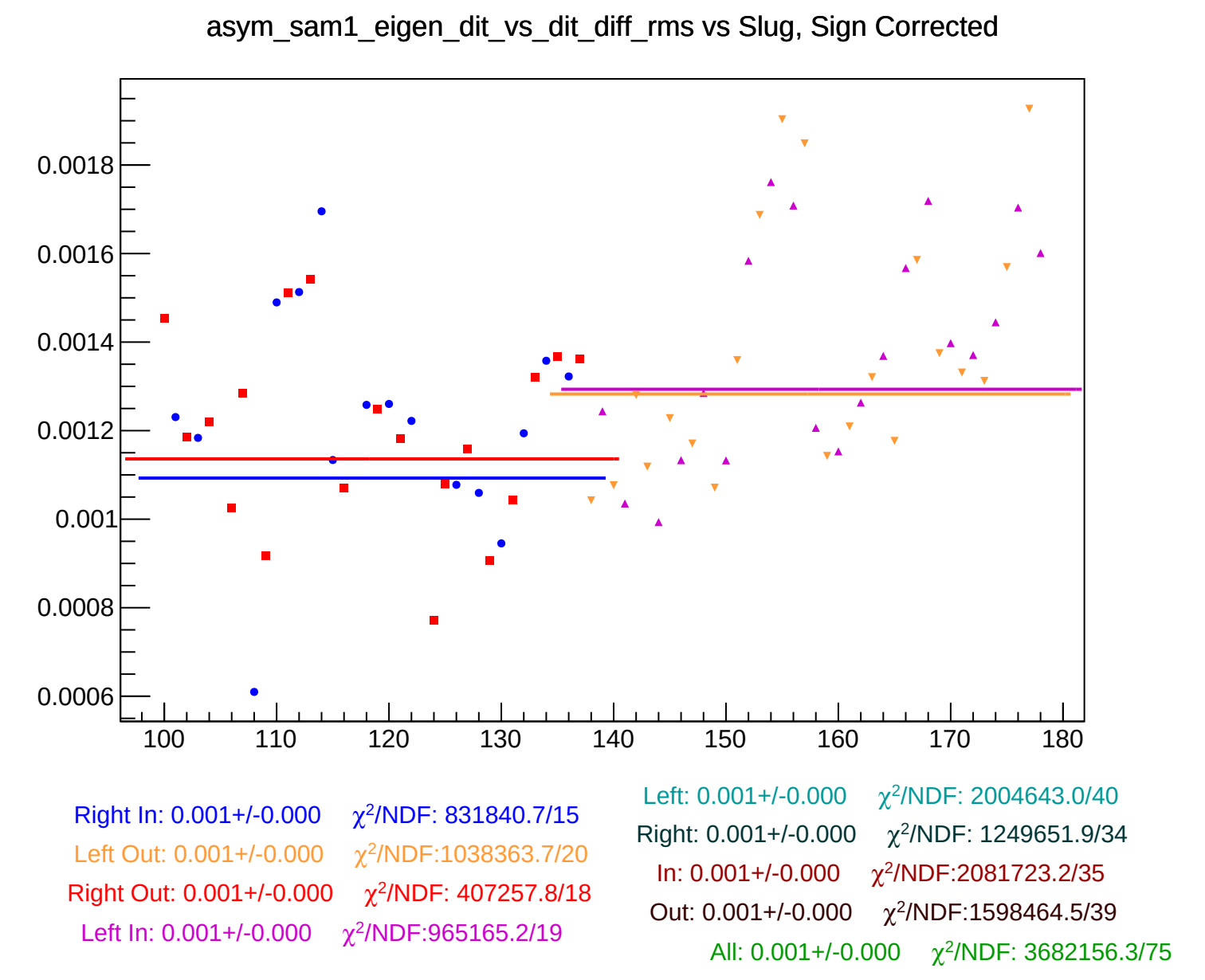
Left: -0.000+/-0.000 χ^2/NDF: 55.9/40

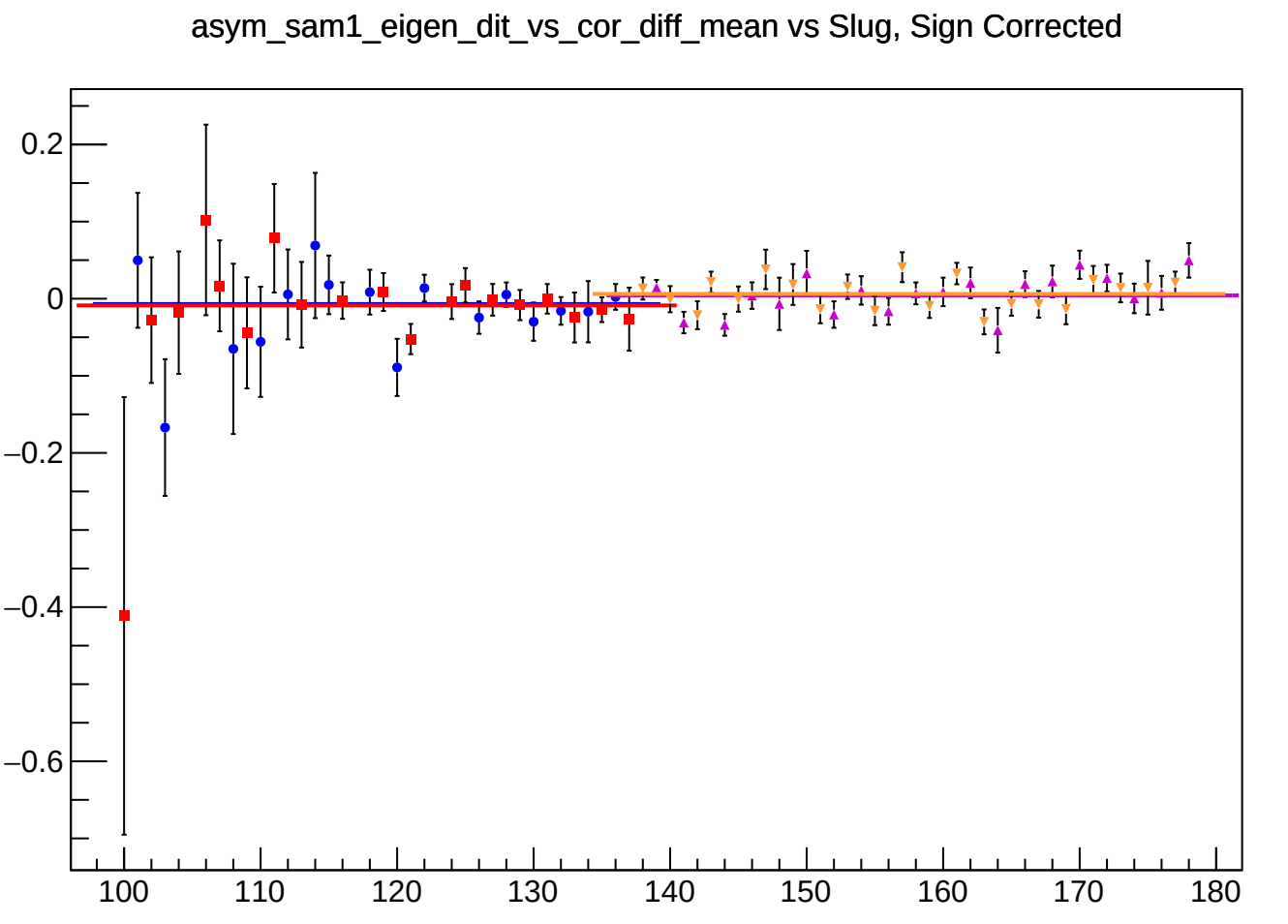
Right: -0.000+/-0.000 χ^2/NDF: 40.0/34

In: -0.000+/-0.000 χ^2/NDF:32.4/35

Out: -0.000+/-0.000 χ^2/NDF:63.3/39

All: -0.000+/-0.000 χ^2/NDF: 96.0/75


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:965165.2/19
Left: 0.001+/-0.000 χ²/NDF: 2004643.0/40
Right: 0.001+/-0.000 χ²/NDF: 1249651.9/34
In: 0.001+/-0.000 χ²/NDF:2081723.2/35
Out: 0.001+/-0.000 χ²/NDF:1598464.5/39
All: 0.001+/-0.000 χ²/NDF: 3682156.3/75



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: 0.004+/-0.004 χ^2/NDF:34.8/19

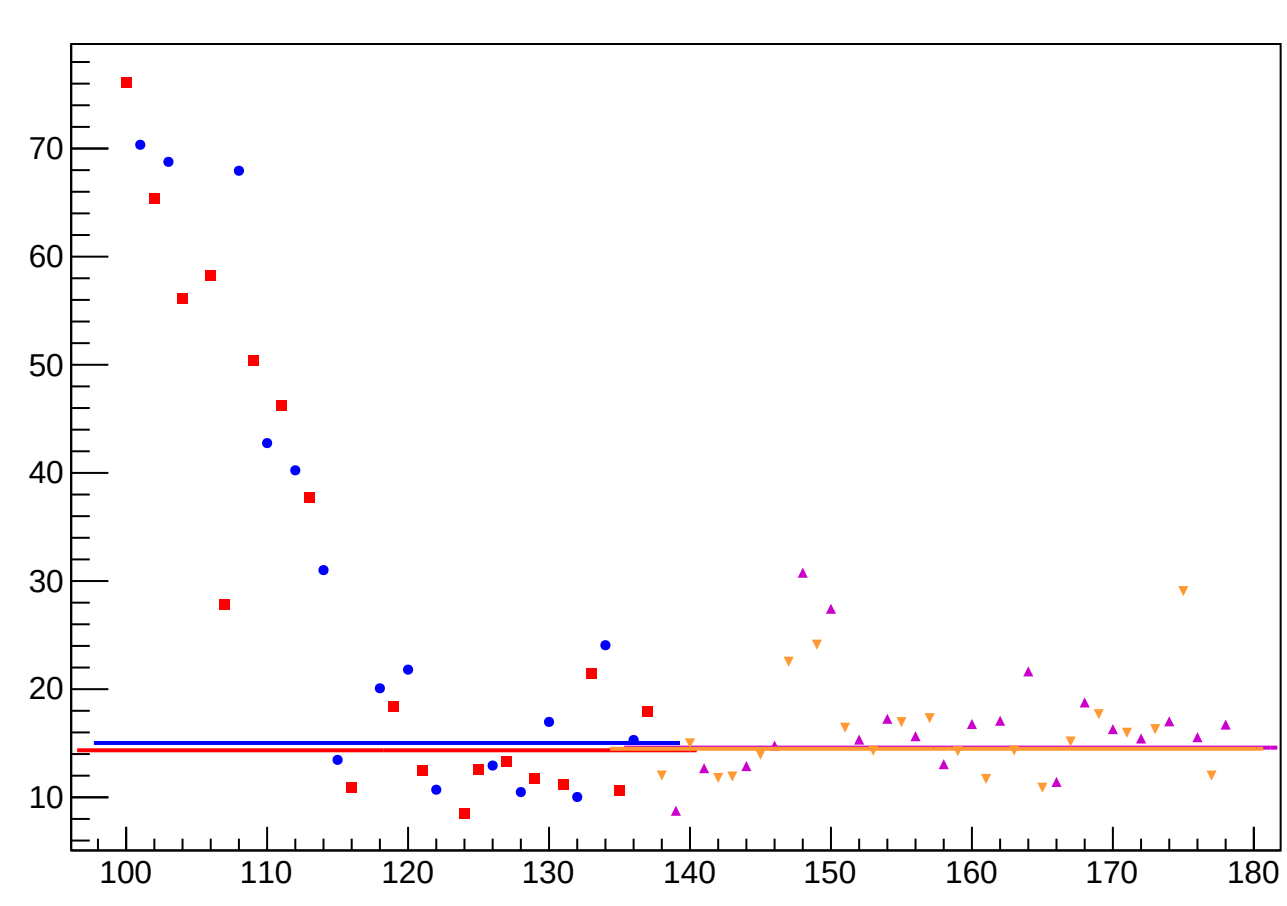
Left: 0.005+/-0.003 χ^2/NDF: 61.2/40

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: 0.001+/-0.003 χ^2/NDF:51.8/35

Out: 0.002+/-0.003 χ^2/NDF:42.9/39

All: 0.002+/-0.002 χ^2/NDF: 94.8/75



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: 14.595+/-0.003 χ^2/NDF:2070978.6/19

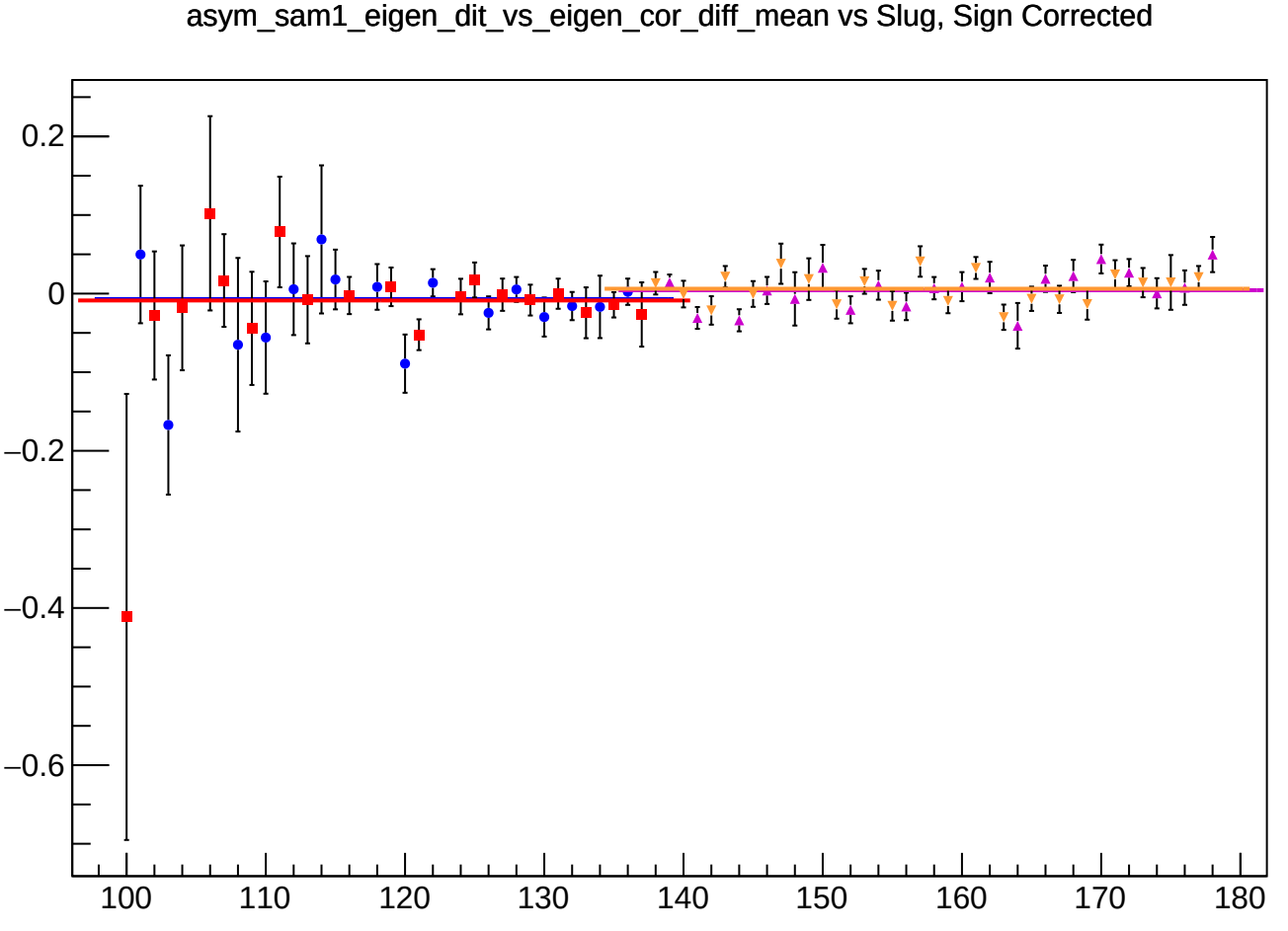
Left: 14.540+/-0.002 χ^2/NDF: 3501609.6/40

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 14.703+/-0.002 χ^2/NDF:5515377.7/35

Out: 14.452+/-0.002 χ^2/NDF:5059577.1/39

All: 14.572+/-0.002 χ^2/NDF: 10580706.9/75



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: 0.004+/-0.004 χ^2/NDF:34.8/19

Left: 0.005+/-0.003 χ^2/NDF: 61.2/40

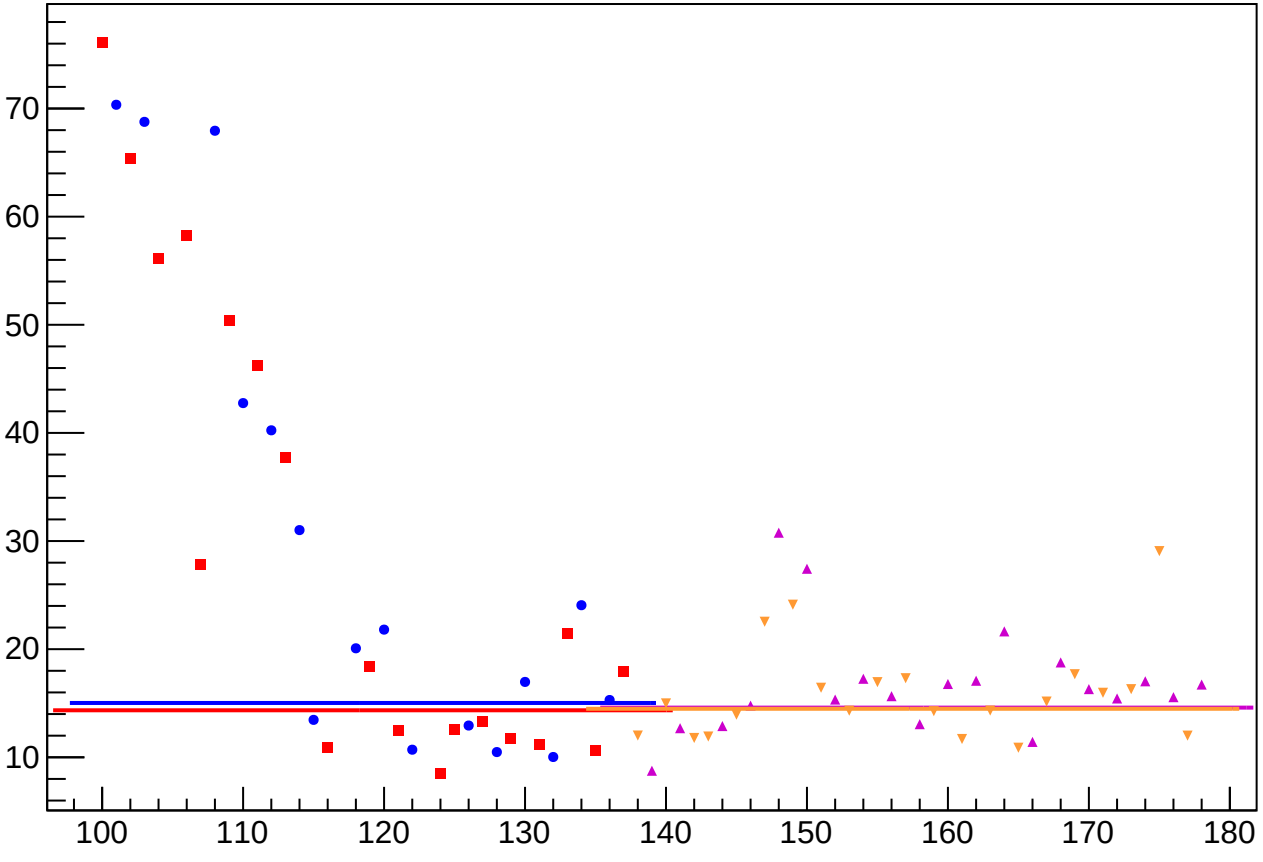
Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: 0.001+/-0.003 χ^2/NDF:51.8/35

Out: 0.002+/-0.003 χ^2/NDF:42.9/39

All: 0.002+/-0.002 χ^2/NDF: 94.8/75

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.488+/-0.003 χ^2/NDF:1429854.7/20

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.595+/-0.003 χ^2/NDF:2070978.6/19

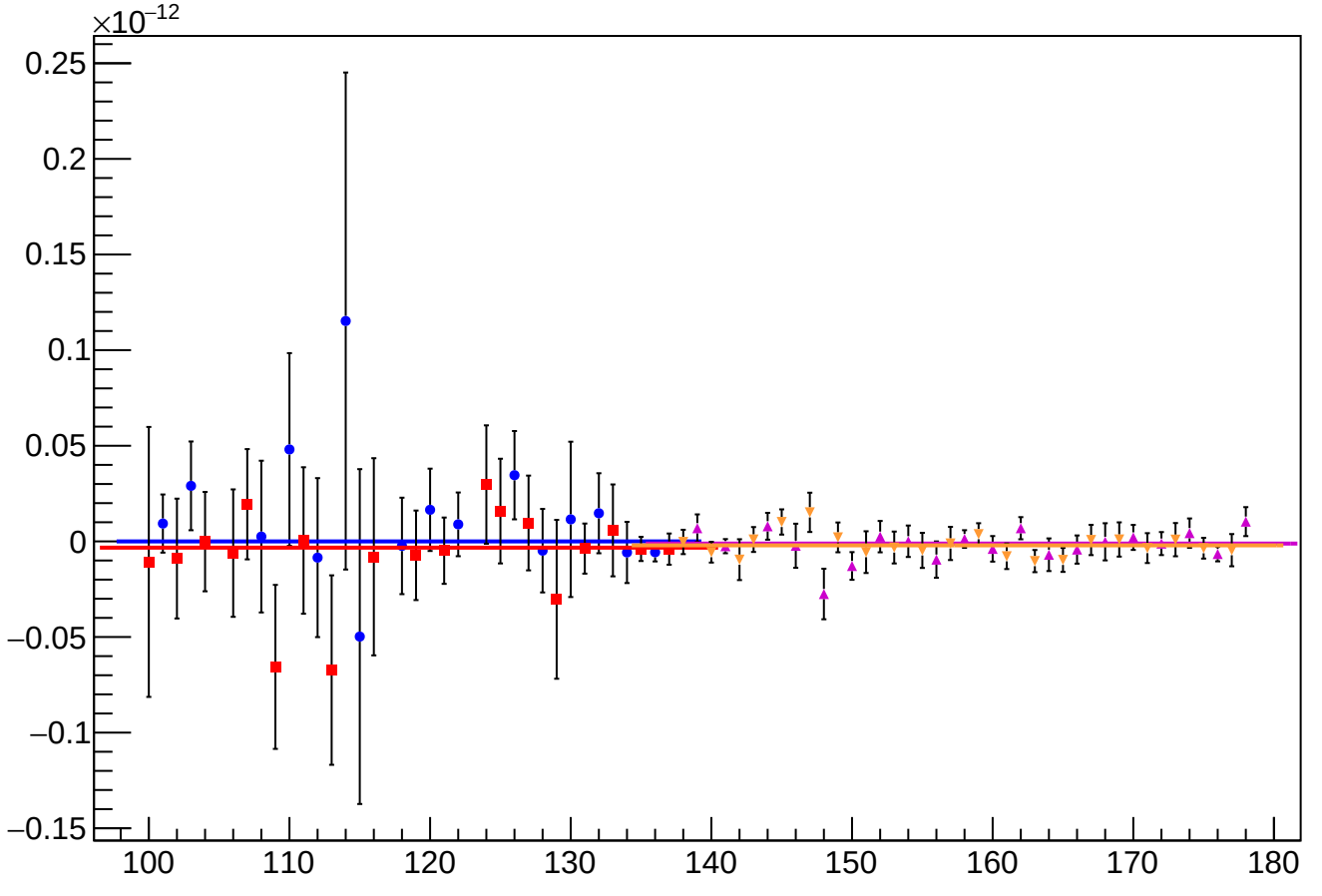
Left: 14.540+/-0.002 χ^2/NDF: 3501609.6/40

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 14.703+/-0.002 χ^2/NDF:5515377.7/35

Out: 14.452+/-0.002 χ^2/NDF:5059577.1/39

All: 14.572+/-0.002 χ^2/NDF: 10580706.9/75



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:18.7/19

Left: -0.000+/-0.000 χ^2/NDF: 32.7/40

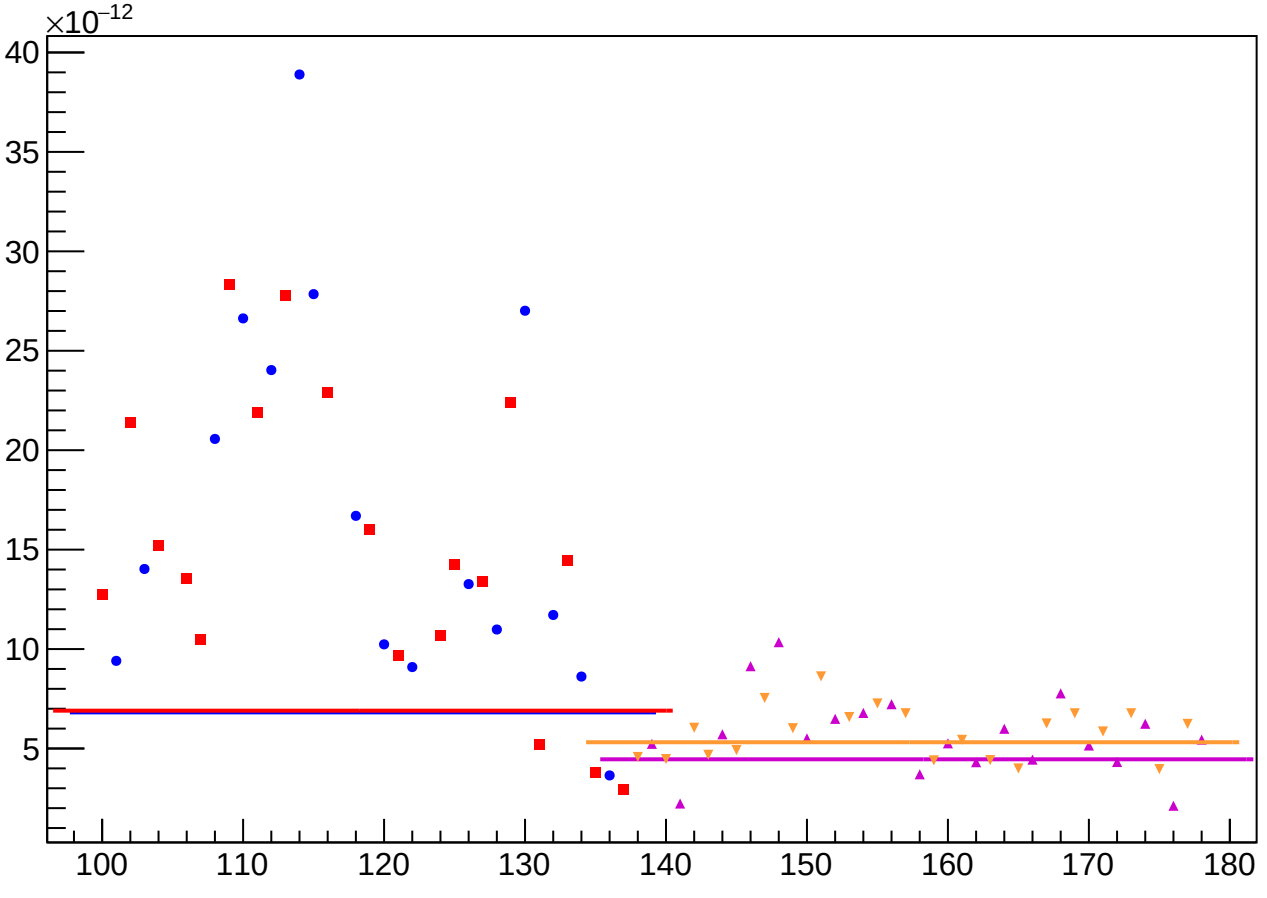
Right: -0.000+/-0.000 χ^2/NDF: 16.7/34

In: -0.000+/-0.000 χ^2/NDF:28.1/35

Out: -0.000+/-0.000 χ^2/NDF:20.9/39

All: -0.000+/-0.000 χ^2/NDF: 49.4/75

asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3511411.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1081767.5/20

Right Out: 0.000+/-0.000 χ^2/NDF: 4241227.1/18

Left In: 0.000+/-0.000 χ^2/NDF:3313683.1/19

Left: 0.000+/-0.000 χ^2/NDF: 4717673.5/40

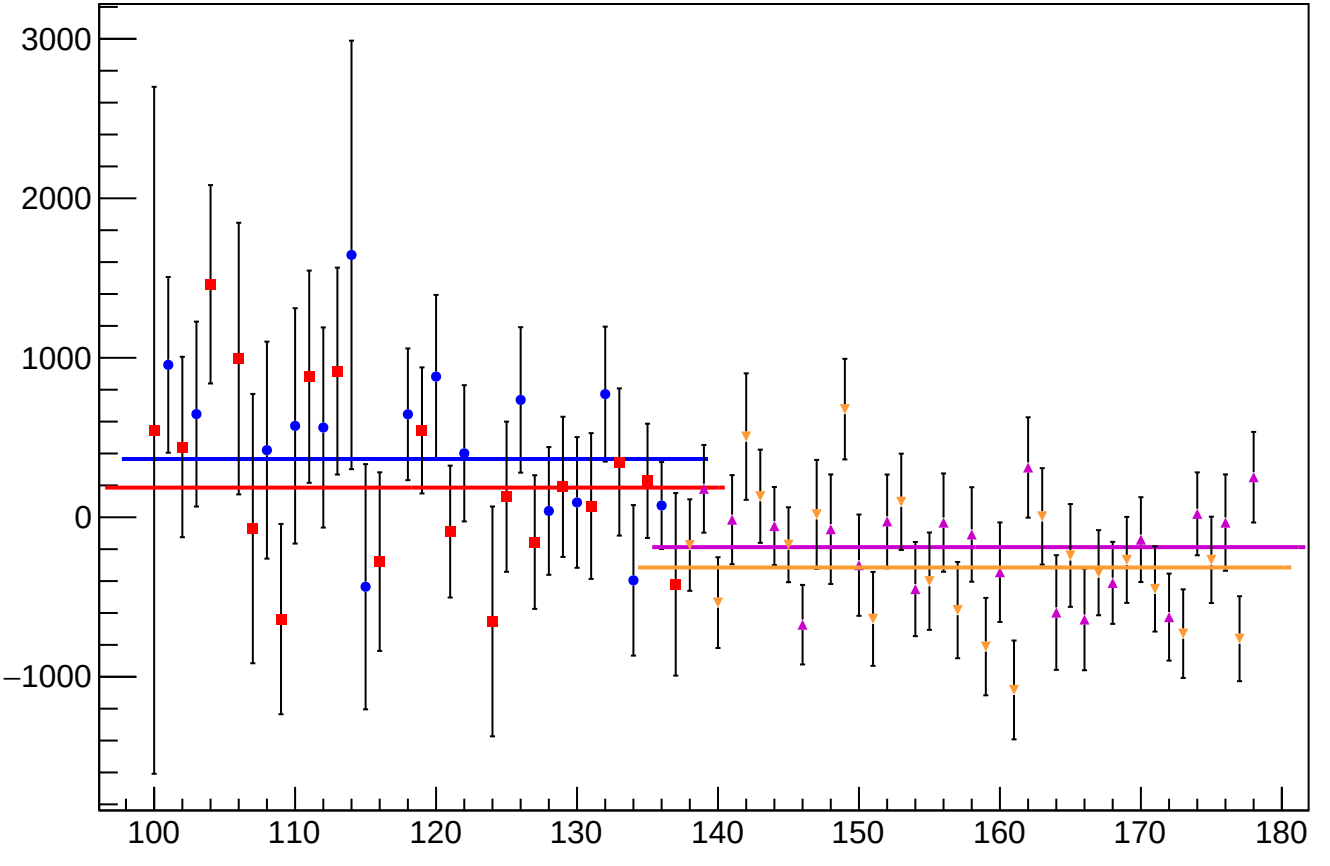
Right: 0.000+/-0.000 χ^2/NDF: 7753131.5/34

In: 0.000+/-0.000 χ^2/NDF:7502952.7/35

Out: 0.000+/-0.000 χ^2/NDF:5602181.4/39

All: 0.000+/-0.000 χ^2/NDF: 13410337.7/75

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: -187.141+/-64.412 χ^2/NDF:20.7/19

Left: -251.778+/-45.234 χ^2/NDF: 60.6/40

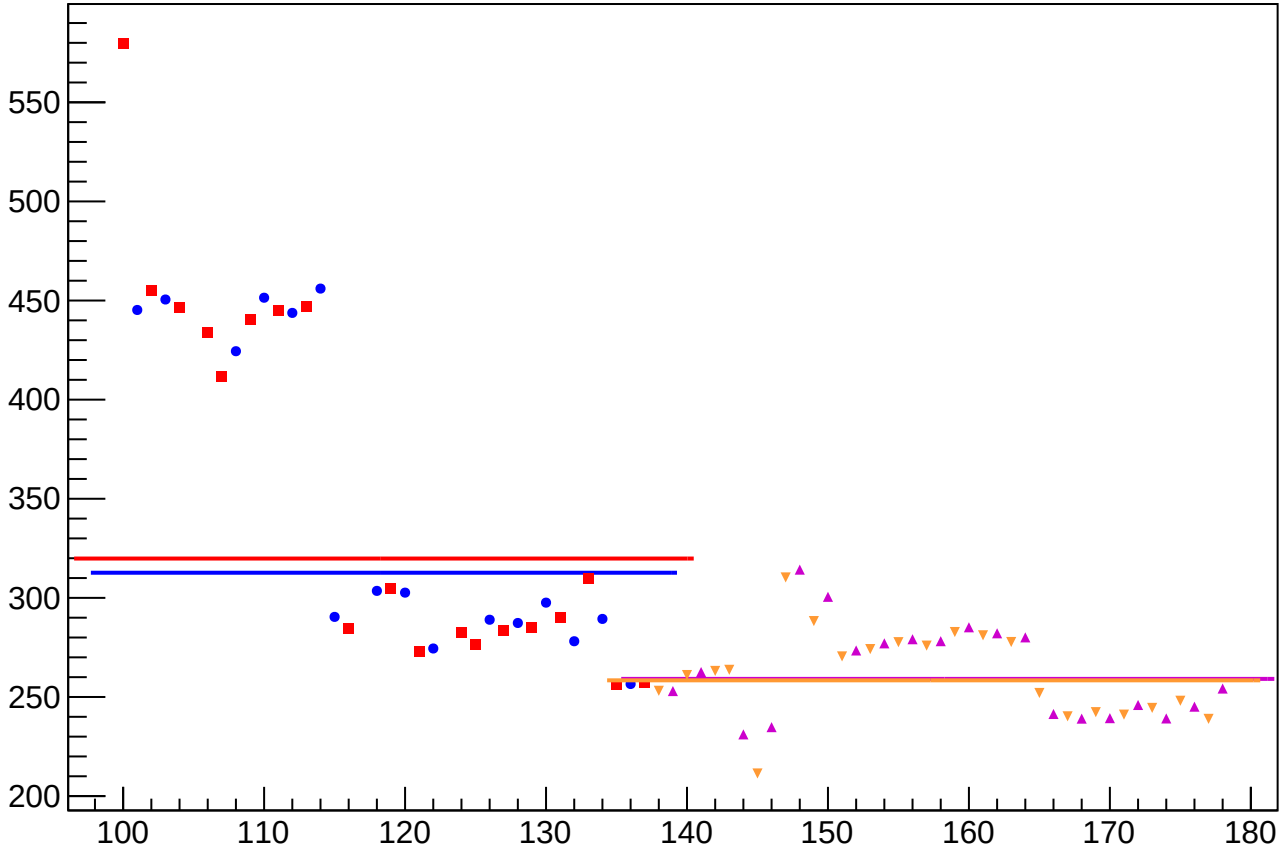
Right: 276.827+/-84.517 χ^2/NDF: 27.6/34

In: -61.699+/-56.633 χ^2/NDF:48.9/35

Out: -205.278+/-56.172 χ^2/NDF:66.5/39

All: -134.075+/-39.881 χ^2/NDF: 118.6/75

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: 259.130+/-0.046 χ^2/NDF:243030.8/19

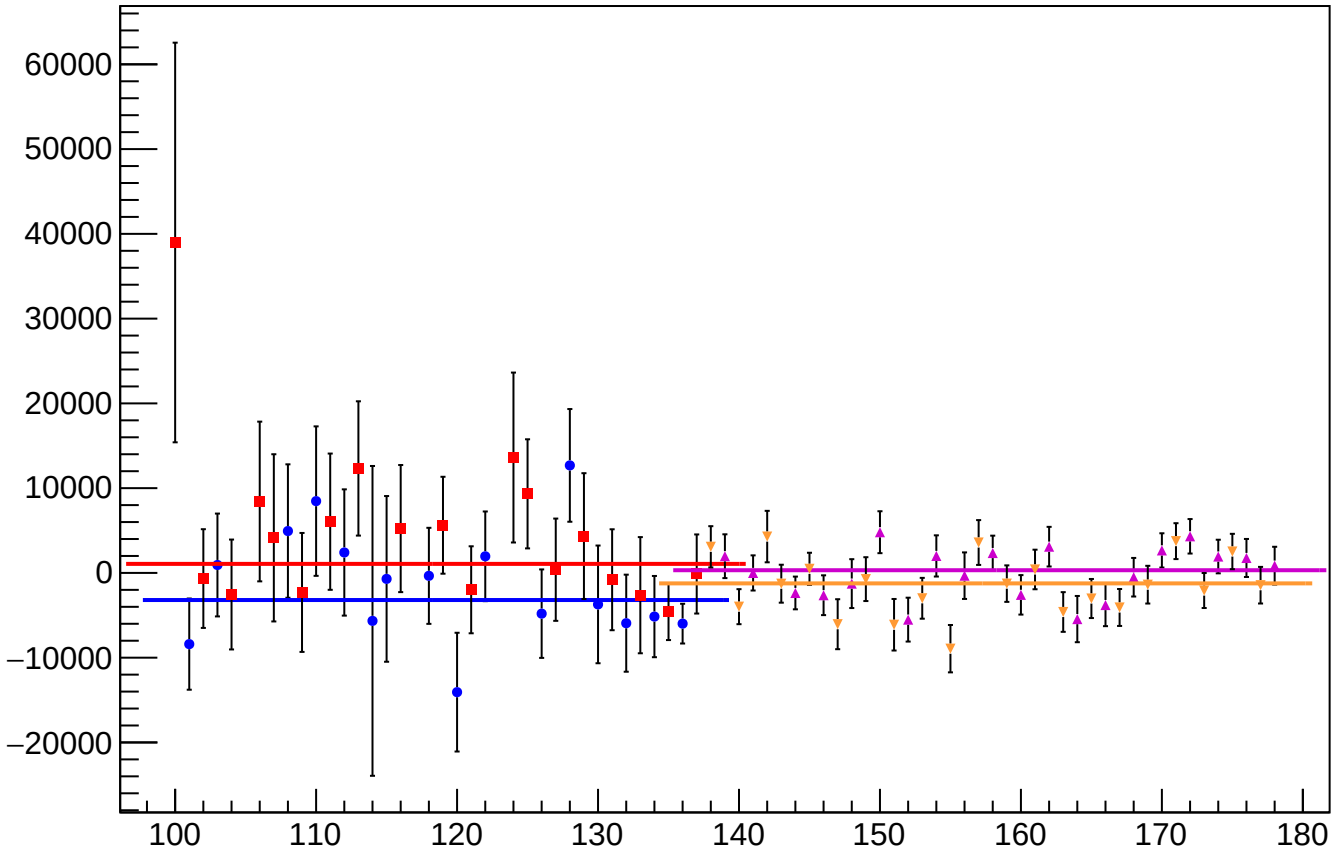
Left: 258.762+/-0.032 χ^2/NDF: 488352.5/40

Right: 316.222+/-0.060 χ^2/NDF: 1303671.7/34

In: 271.285+/-0.040 χ^2/NDF:1159019.3/35

Out: 271.823+/-0.040 χ^2/NDF:1351523.6/39

All: 271.556+/-0.028 χ^2/NDF: 2510634.1/75



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: 317.924+/-512.803 χ^2/NDF:30.8/19

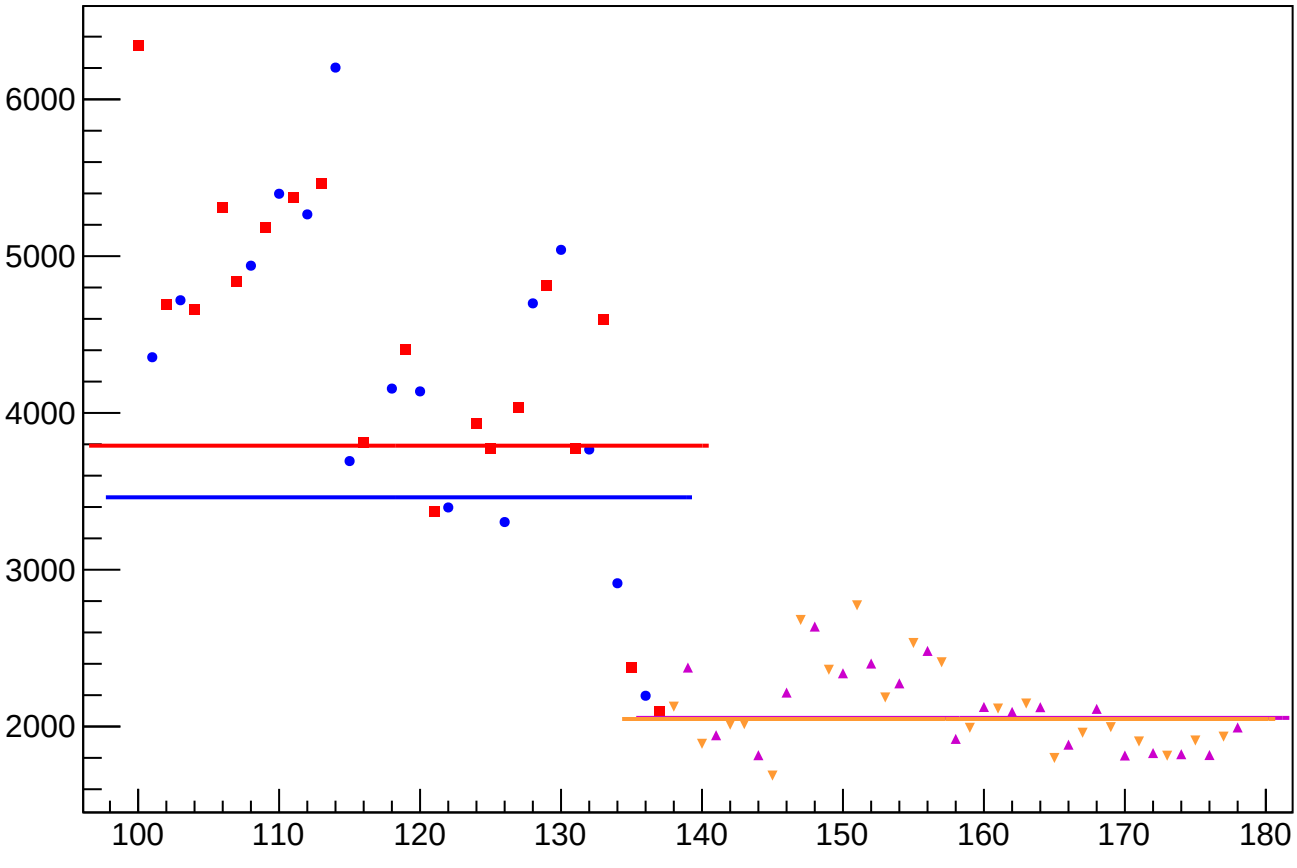
Left: -467.709+/-360.507 χ^2/NDF: 75.0/40

Right: -1202.738+/-987.420 χ^2/NDF: 35.1/34

In: -123.329+/-479.553 χ^2/NDF:52.7/35

Out: -982.703+/-478.275 χ^2/NDF:56.3/39

All: -554.163+/-338.643 χ^2/NDF: 110.7/75



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: 2055.077+/-0.363 χ^2/NDF:411702.2/19

Left: 2051.510+/-0.255 χ^2/NDF: 921296.8/40

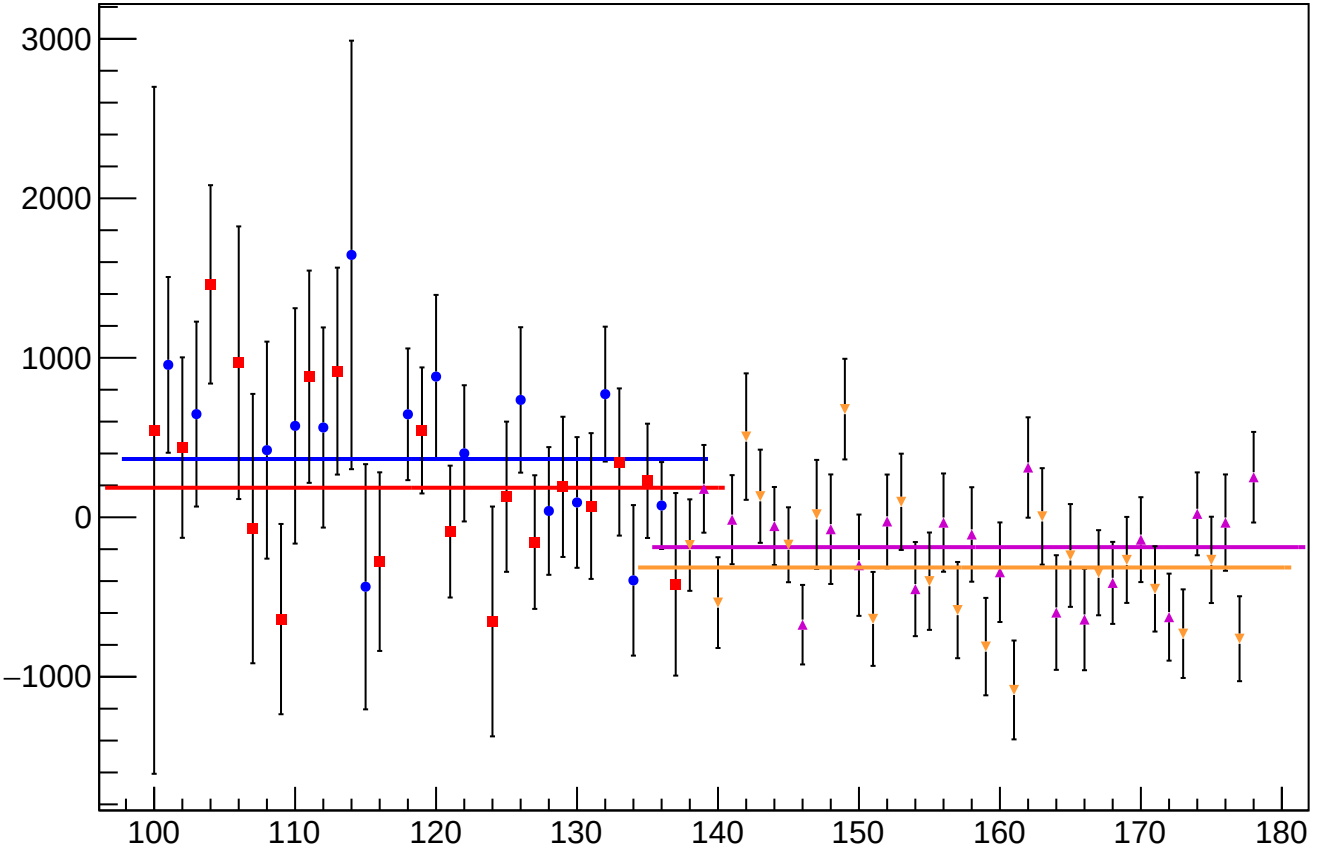
Right: 3616.041+/-0.698 χ^2/NDF: 2520711.5/34

In: 2231.601+/-0.339 χ^2/NDF:3610058.2/35

Out: 2239.437+/-0.338 χ^2/NDF:4262155.4/39

All: 2235.530+/-0.239 χ^2/NDF: 7872481.3/75

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: -187.148+/-64.412 χ^2/NDF:20.7/19

Left: -251.781+/-45.234 χ^2/NDF: 60.6/40

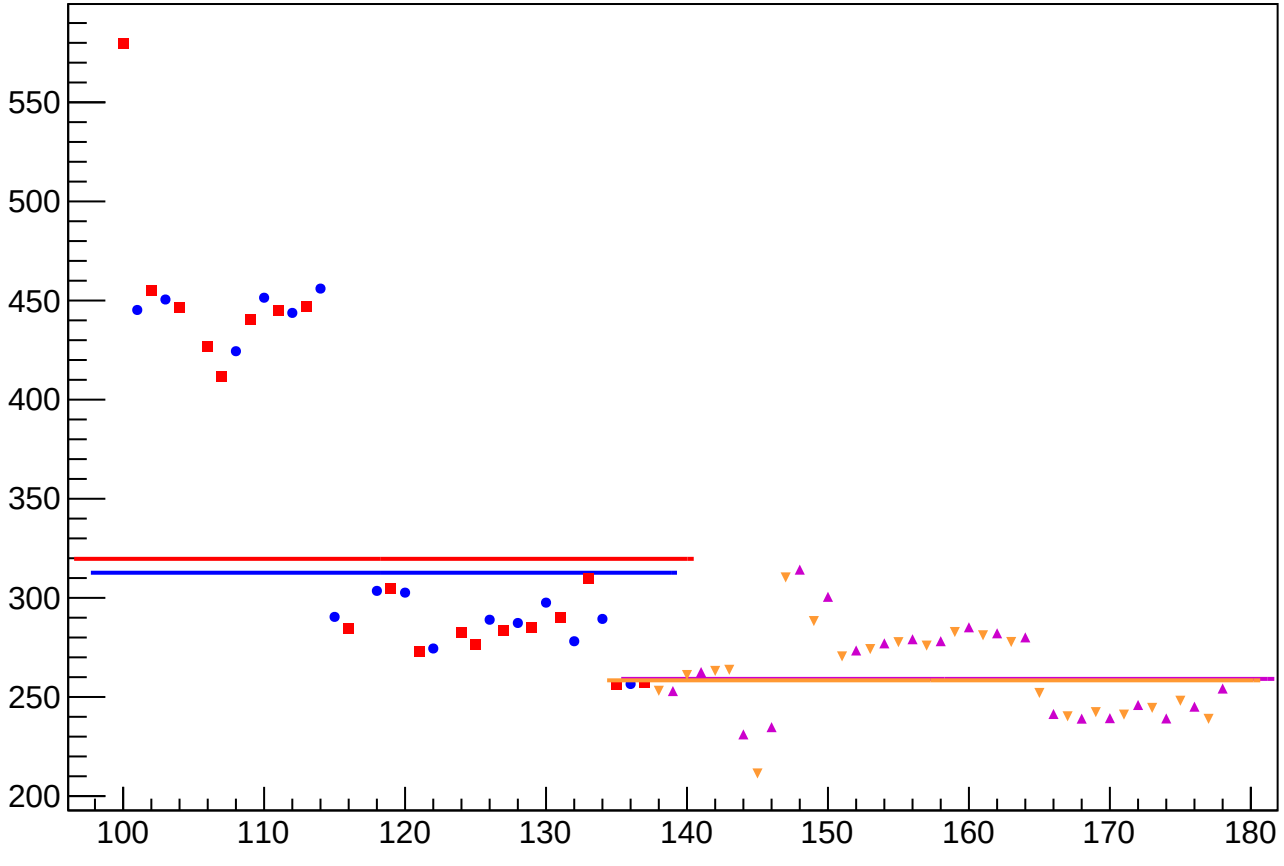
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: -61.709+/-56.633 χ^2/NDF:48.9/35

Out: -205.470+/-56.173 χ^2/NDF:66.4/39

All: -134.175+/-39.882 χ^2/NDF: 118.5/75

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: 259.130+/-0.046 χ^2/NDF:243030.8/19

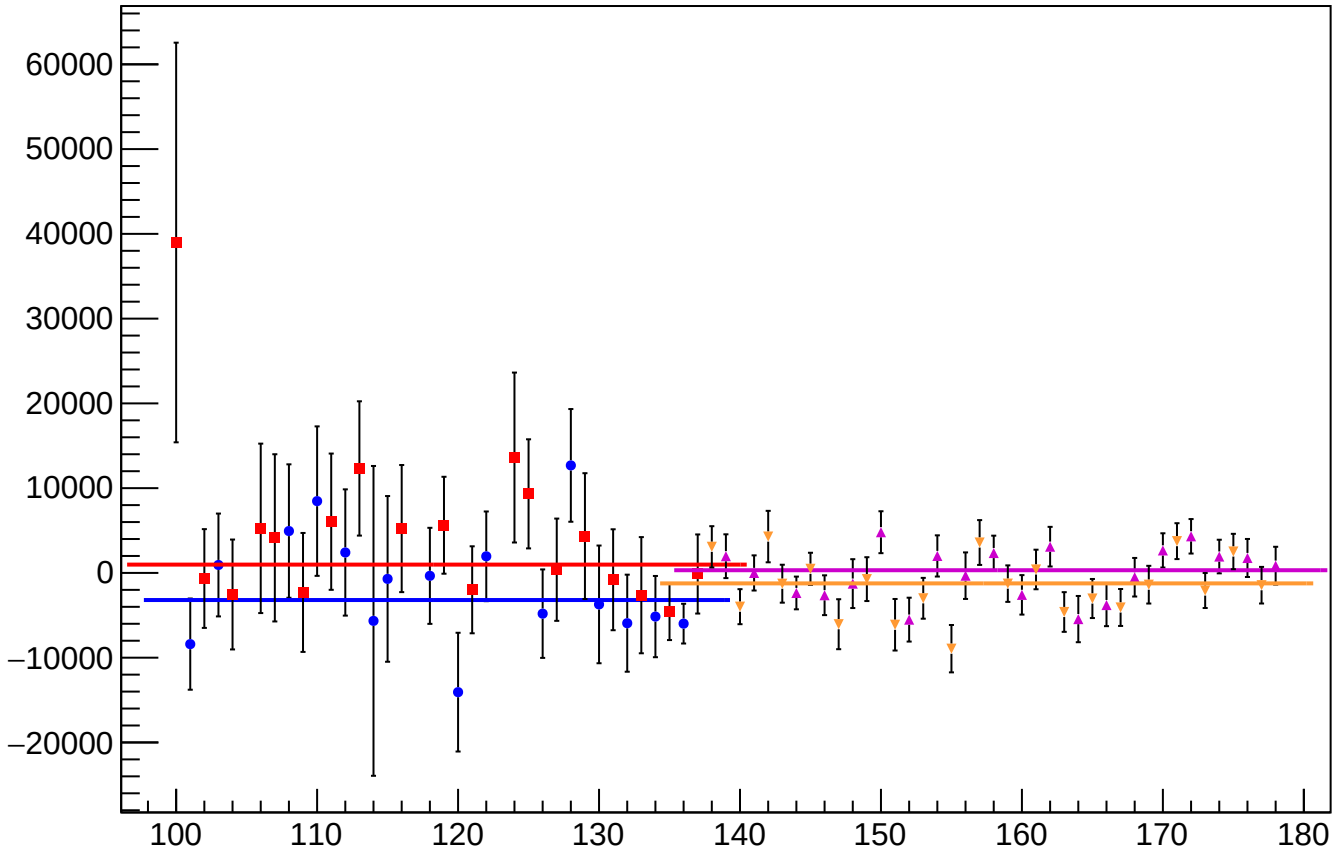
Left: 258.762+/-0.032 χ^2/NDF: 488352.6/40

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 271.285+/-0.040 χ^2/NDF:1159020.9/35

Out: 271.789+/-0.040 χ^2/NDF:1345333.4/39

All: 271.539+/-0.028 χ^2/NDF: 2504434.2/75



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: 317.926+/-512.803 χ^2/NDF:30.7/19

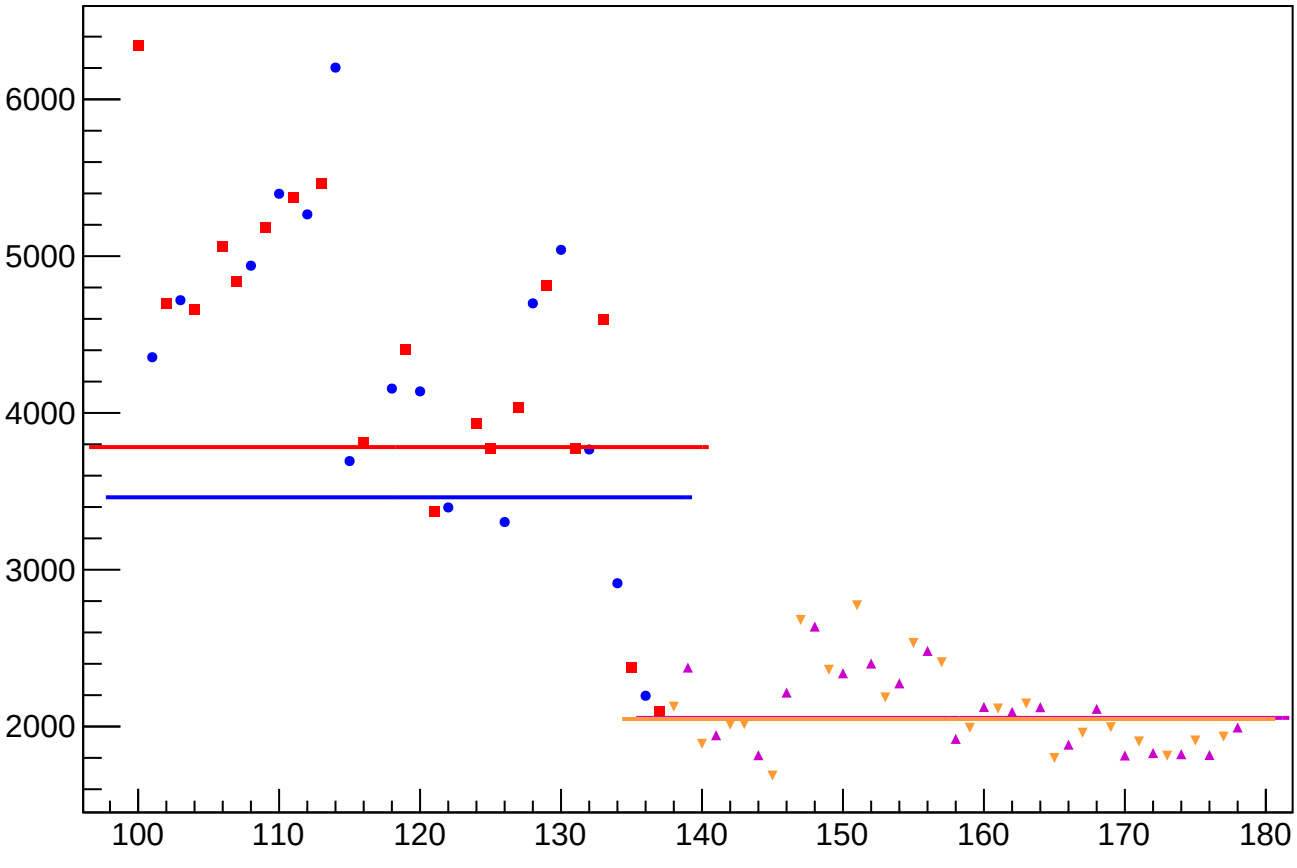
Left: -467.707+/-360.507 χ^2/NDF: 75.0/40

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -123.317+/-479.553 χ^2/NDF:52.7/35

Out: -992.617+/-478.346 χ^2/NDF:55.7/39

All: -559.063+/-338.668 χ^2/NDF: 110.1/75



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2048.025+/-0.358 χ^2/NDF:509404.0/20

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2055.077+/-0.363 χ^2/NDF:411705.6/19

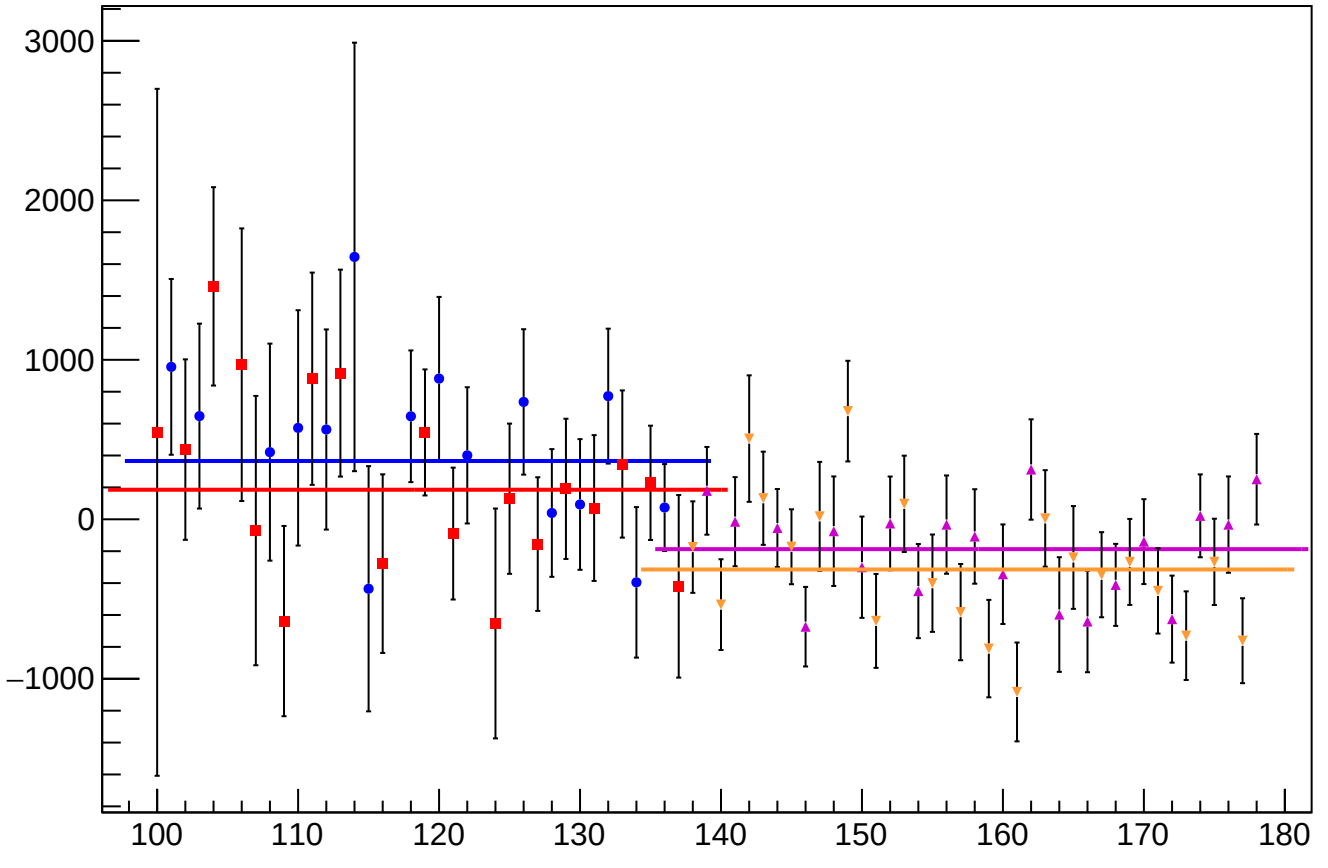
Left: 2051.510+/-0.255 χ^2/NDF: 921301.0/40

Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2231.601+/-0.339 χ^2/NDF:3610082.3/35

Out: 2237.991+/-0.338 χ^2/NDF:4209768.0/39

All: 2234.804+/-0.239 χ^2/NDF: 7820028.2/75



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: -187.148+/-64.412 χ^2/NDF:20.7/19

Left: -251.781+/-45.234 χ^2/NDF: 60.6/40

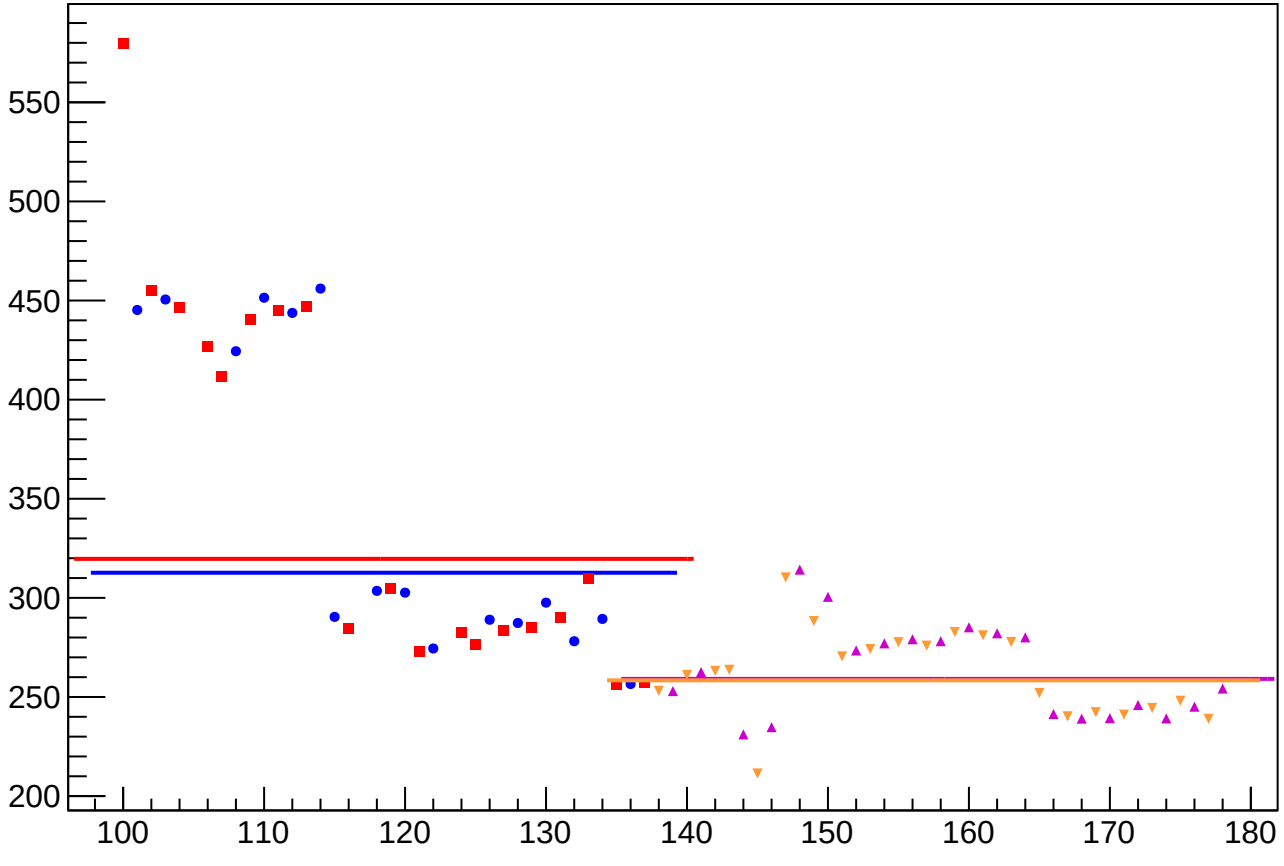
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: -61.709+/-56.633 χ^2/NDF:48.9/35

Out: -205.470+/-56.173 χ^2/NDF:66.4/39

All: -134.175+/-39.882 χ^2/NDF: 118.5/75

eigen_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: 259.130+/-0.046 χ^2/NDF:243030.8/19

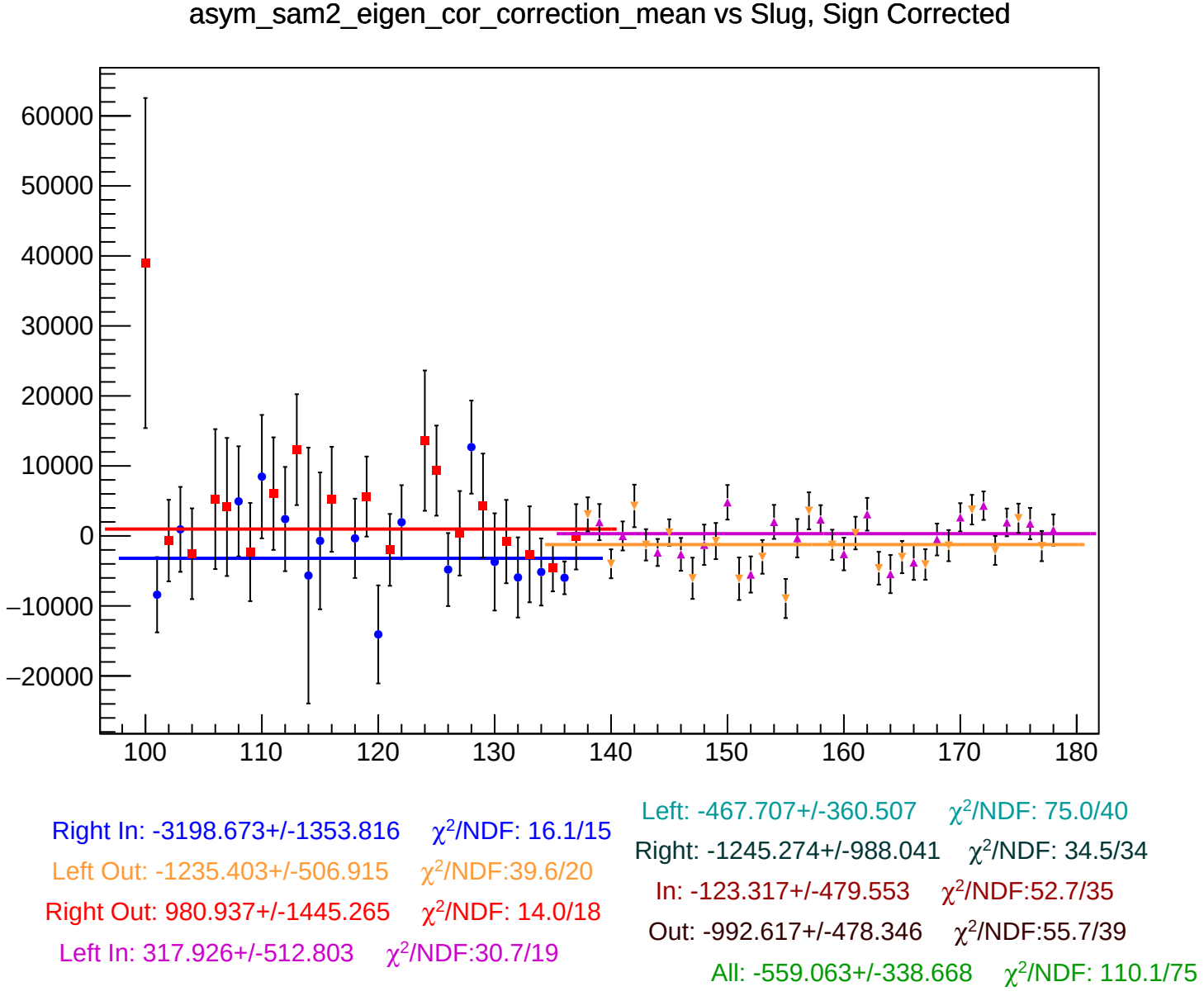
Left: 258.762+/-0.032 χ^2/NDF: 488352.6/40

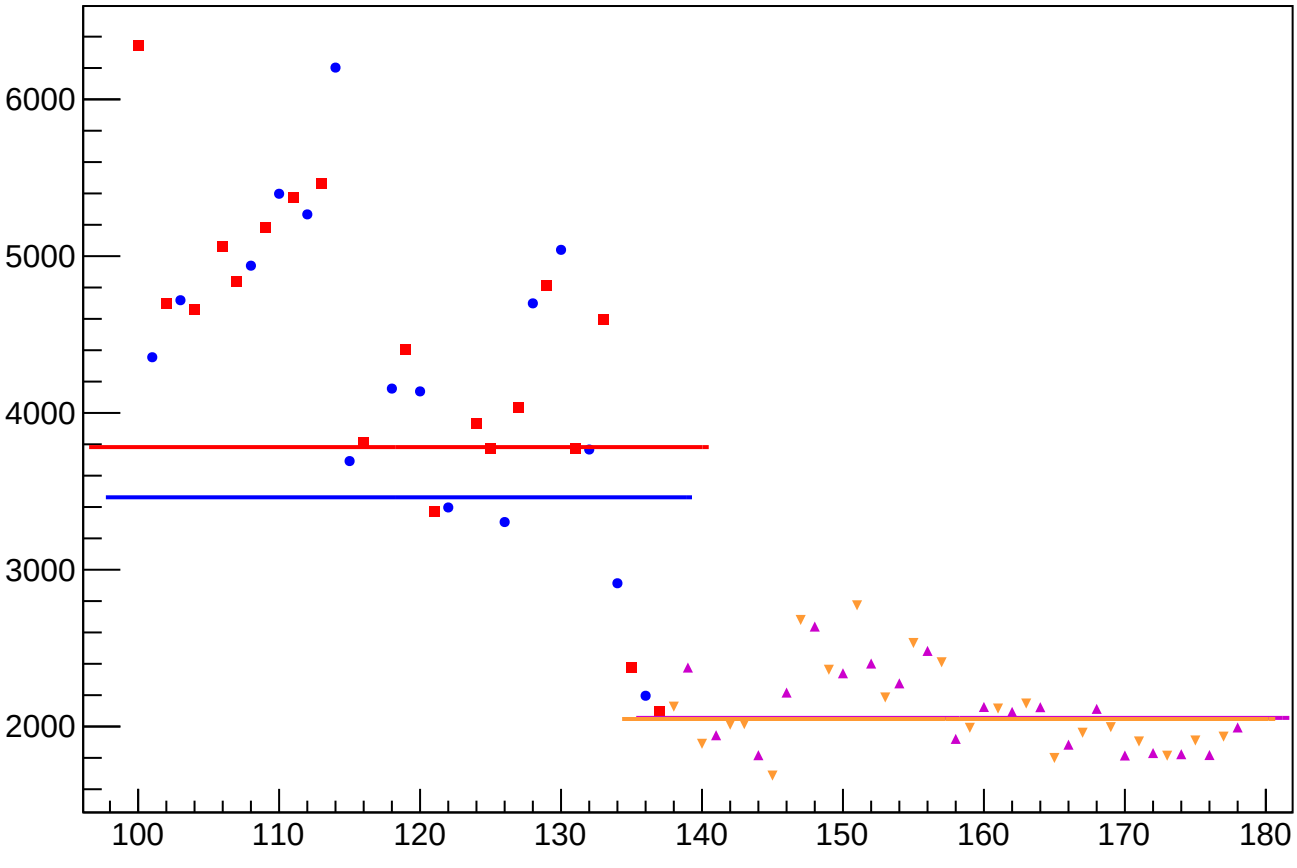
Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 271.285+/-0.040 χ^2/NDF:1159020.9/35

Out: 271.789+/-0.040 χ^2/NDF:1345333.4/39

All: 271.539+/-0.028 χ^2/NDF: 2504434.2/75


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: 317.926+/-512.803 χ²/NDF:30.7/19
Left: -467.707+/-360.507 χ²/NDF: 75.0/40
Right: -1245.274+/-988.041 χ²/NDF: 34.5/34
In: -123.317+/-479.553 χ²/NDF:52.7/35
Out: -992.617+/-478.346 χ²/NDF:55.7/39
All: -559.063+/-338.668 χ²/NDF: 110.1/75



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2048.025+/-0.358 χ^2/NDF:509404.0/20

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2055.077+/-0.363 χ^2/NDF:411705.6/19

Left: 2051.510+/-0.255 χ^2/NDF: 921301.0/40

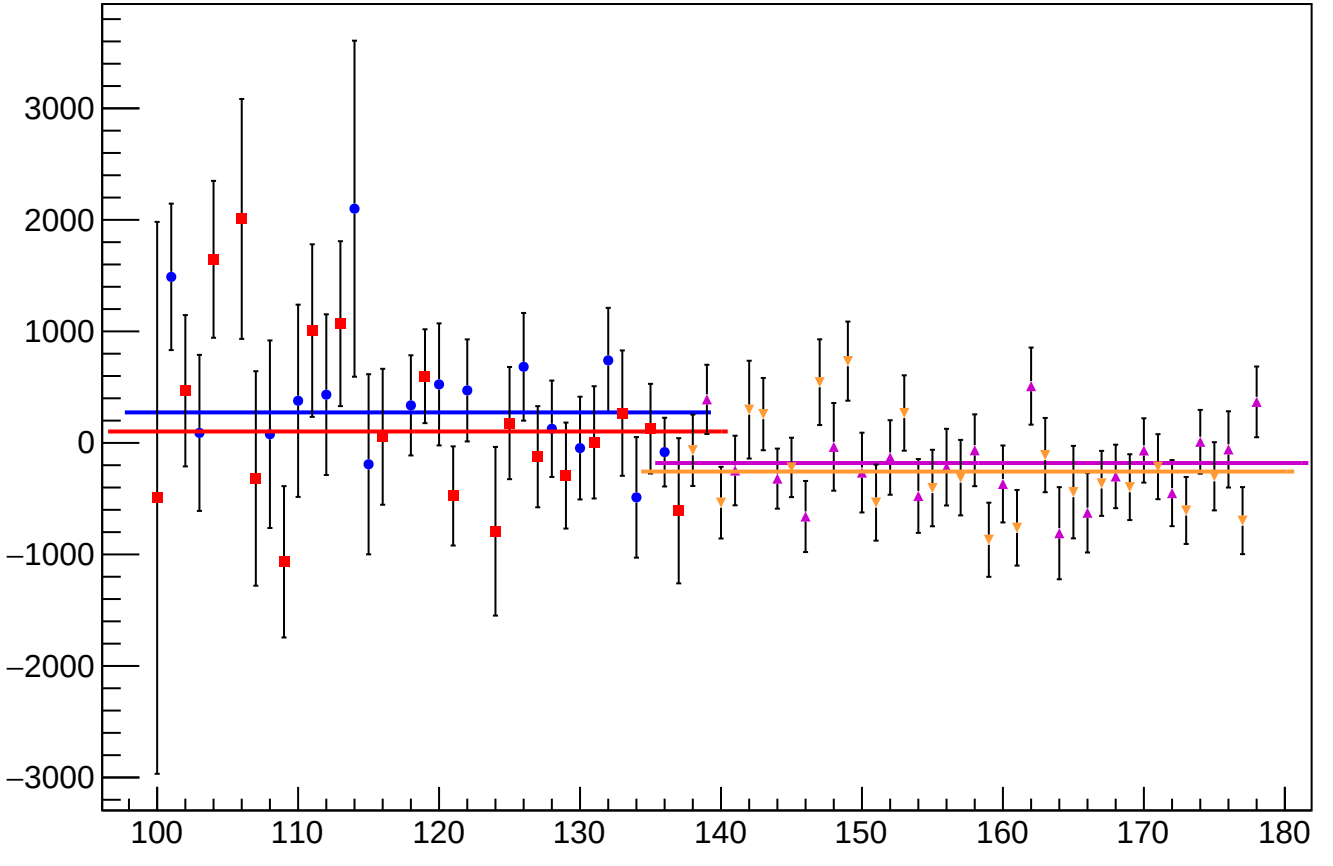
Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2231.601+/-0.339 χ^2/NDF:3610082.3/35

Out: 2237.991+/-0.338 χ^2/NDF:4209768.0/39

All: 2234.804+/-0.239 χ^2/NDF: 7820028.2/75

dit_asym_sam2_mean vs Slug, Sign Corrected



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -256.613+/-71.062 χ^2/NDF:30.6/20

Right Out: 102.369+/-133.606 χ^2/NDF: 21.3/18

Left In: -180.286+/-72.207 χ^2/NDF:20.0/19

Left: -219.060+/-50.648 χ^2/NDF: 51.1/40

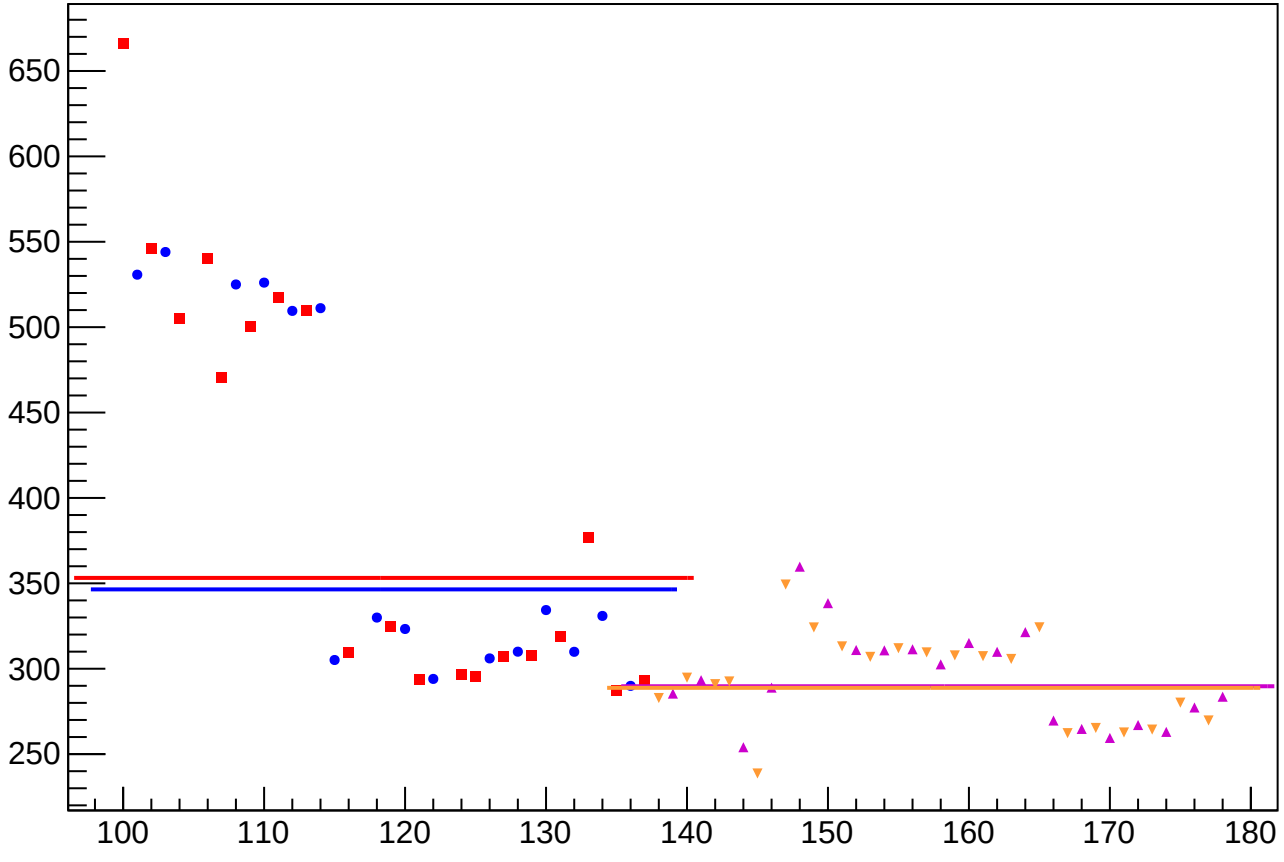
Right: 188.661+/-94.094 χ^2/NDF: 33.6/34

In: -76.406+/-63.408 χ^2/NDF:40.5/35

Out: -177.454+/-62.739 χ^2/NDF:57.5/39

All: -127.465+/-44.598 χ^2/NDF: 99.3/75

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: 289.735+/-0.051 χ^2/NDF:269330.0/19

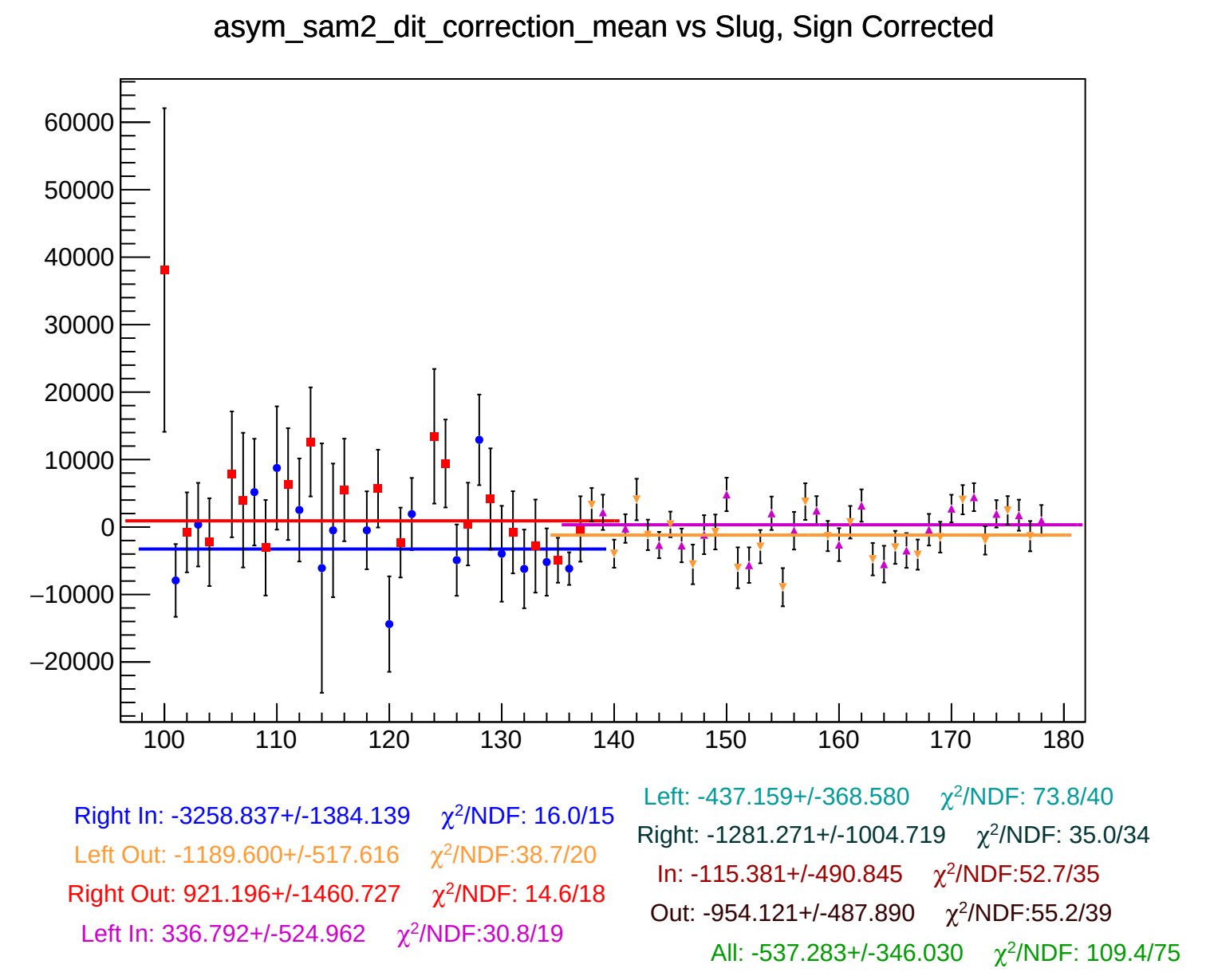
Left: 289.267+/-0.036 χ^2/NDF: 544662.0/40

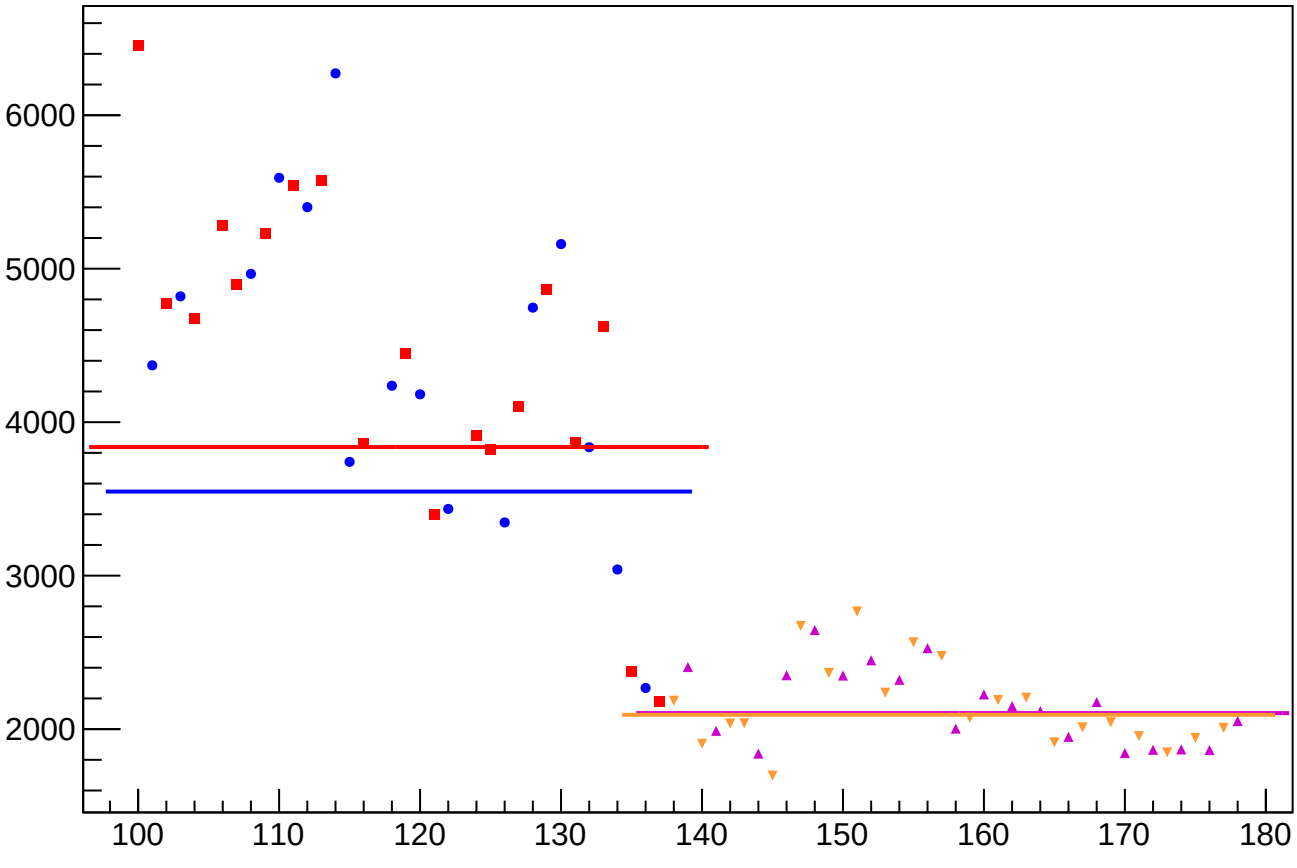
Right: 349.789+/-0.067 χ^2/NDF: 1637679.7/34

In: 302.717+/-0.045 χ^2/NDF:1320541.9/35

Out: 303.007+/-0.044 χ^2/NDF:1503332.9/39

All: 302.864+/-0.032 χ^2/NDF: 2823895.8/75


asym_sam2_dit_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
Right In: -3258.837+/-1384.139 χ²/NDF: 16.0/15
Left Out: -1189.600+/-517.616 χ²/NDF:38.7/20
Right Out: 921.196+/-1460.727 χ²/NDF: 14.6/18
Left In: 336.792+/-524.962 χ²/NDF:30.8/19
Left: -437.159+/-368.580 χ²/NDF: 73.8/40
Right: -1281.271+/-1004.719 χ²/NDF: 35.0/34
In: -115.381+/-490.845 χ²/NDF:52.7/35
Out: -954.121+/-487.890 χ²/NDF:55.2/39
All: -537.283+/-346.030 χ²/NDF: 109.4/75



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: 2104.417+/-0.371 χ^2/NDF:401182.5/19

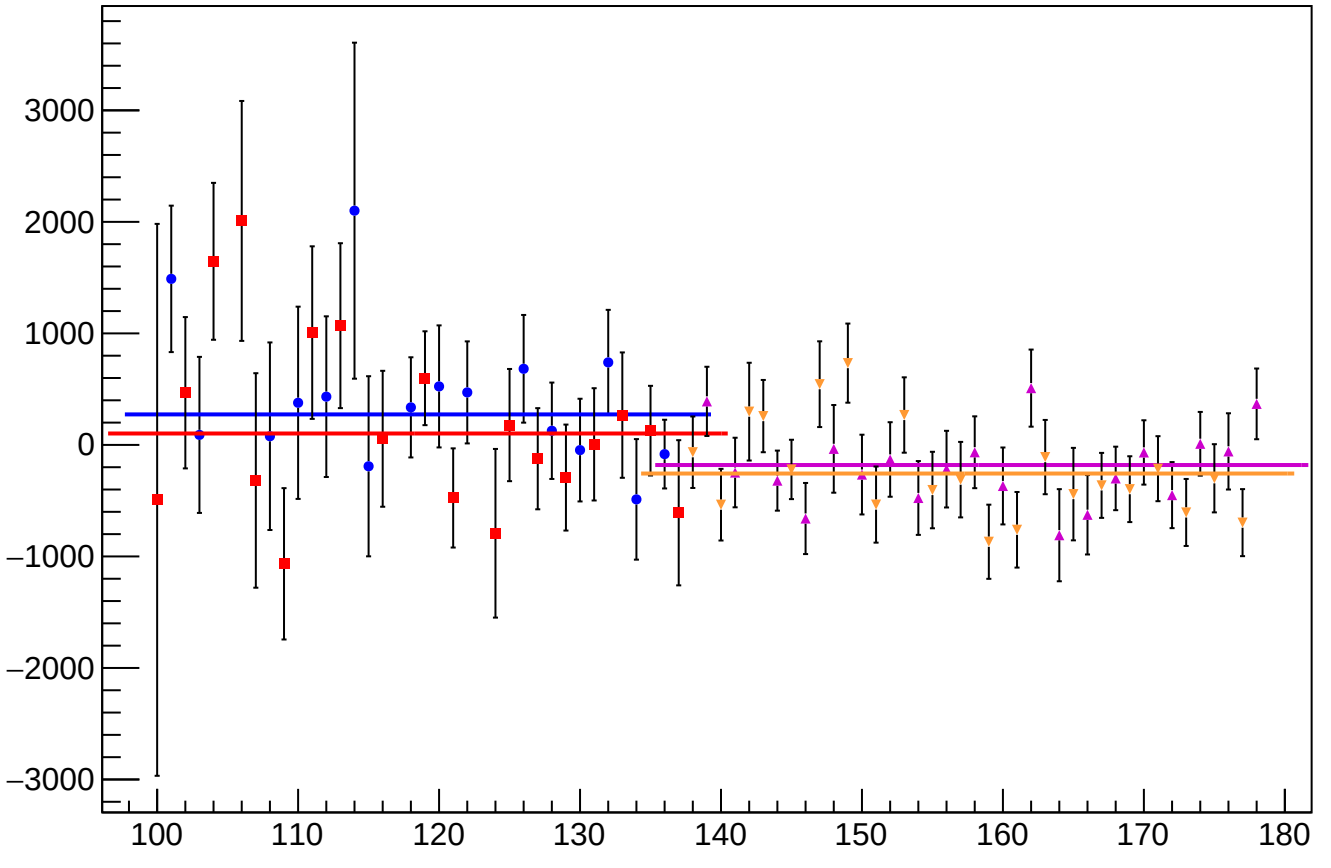
Left: 2098.850+/-0.261 χ^2/NDF: 880908.1/40

Right: 3685.168+/-0.710 χ^2/NDF: 2455854.0/34

In: 2285.953+/-0.347 χ^2/NDF:3561482.4/35

Out: 2288.057+/-0.345 χ^2/NDF:4169529.0/39

All: 2287.011+/-0.245 χ^2/NDF: 7731029.9/75



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: -180.289+/-72.207 χ^2/NDF:20.0/19

Left: -219.064+/-50.648 χ^2/NDF: 51.1/40

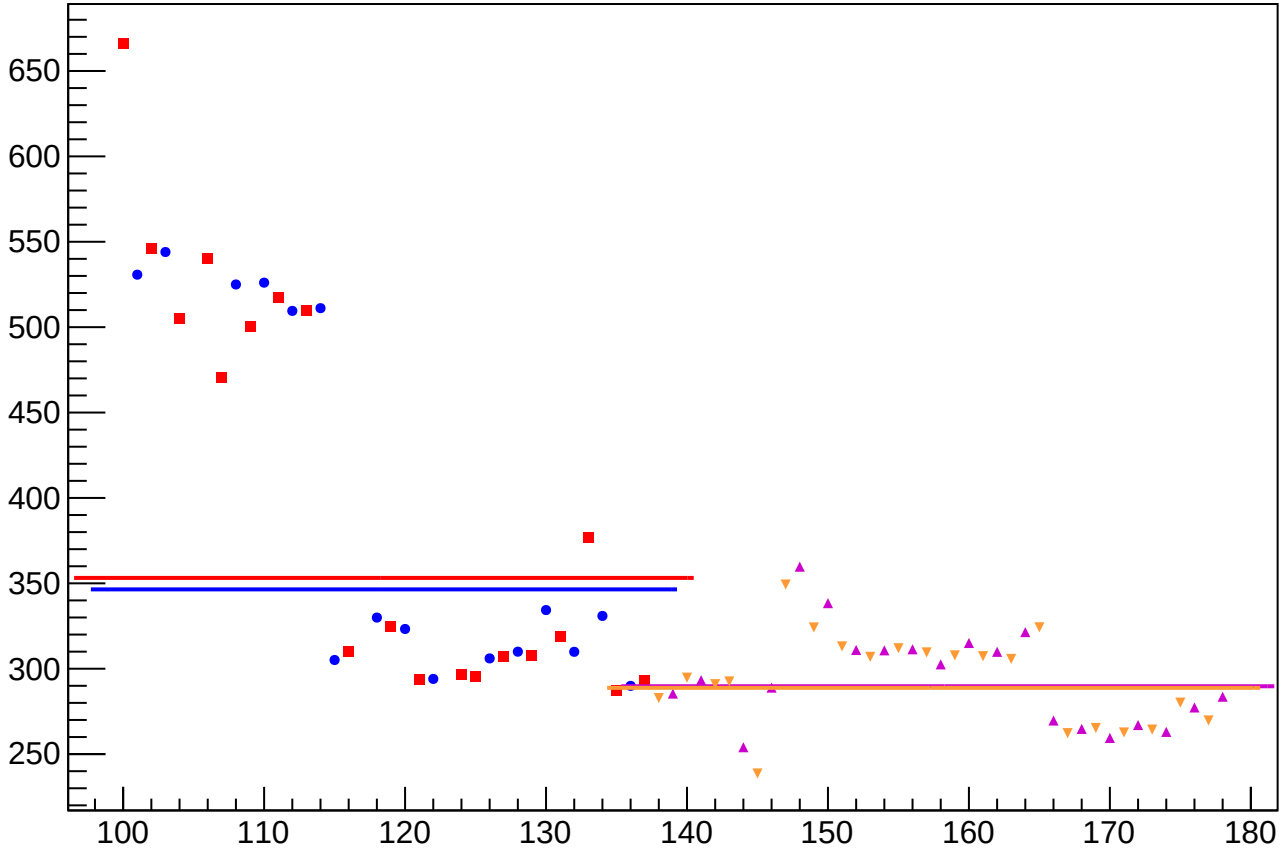
Right: 188.663+/-94.093 χ^2/NDF: 33.6/34

In: -76.406+/-63.408 χ^2/NDF:40.5/35

Out: -177.457+/-62.739 χ^2/NDF:57.5/39

All: -127.467+/-44.598 χ^2/NDF: 99.3/75

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: 289.735+/-0.051 χ^2/NDF:269332.3/19

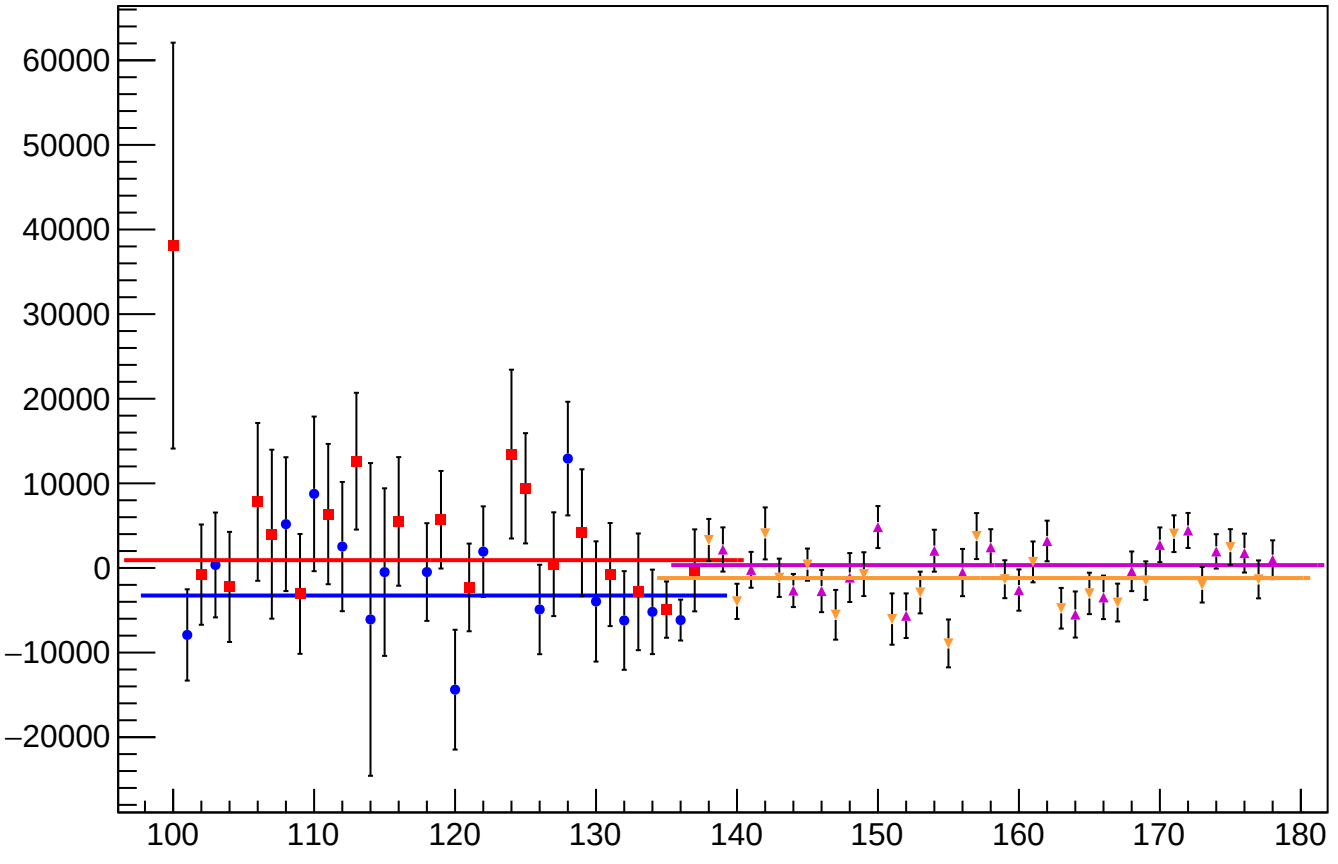
Left: 289.267+/-0.036 χ^2/NDF: 544669.4/40

Right: 349.788+/-0.067 χ^2/NDF: 1637661.2/34

In: 302.717+/-0.045 χ^2/NDF:1320517.9/35

Out: 303.007+/-0.044 χ^2/NDF:1503314.9/39

All: 302.863+/-0.032 χ^2/NDF: 2823853.8/75



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -1189.601+/-517.616 χ^2/NDF:38.7/20

Right Out: 921.200+/-1460.725 χ^2/NDF: 14.6/18

Left In: 336.792+/-524.963 χ^2/NDF:30.8/19

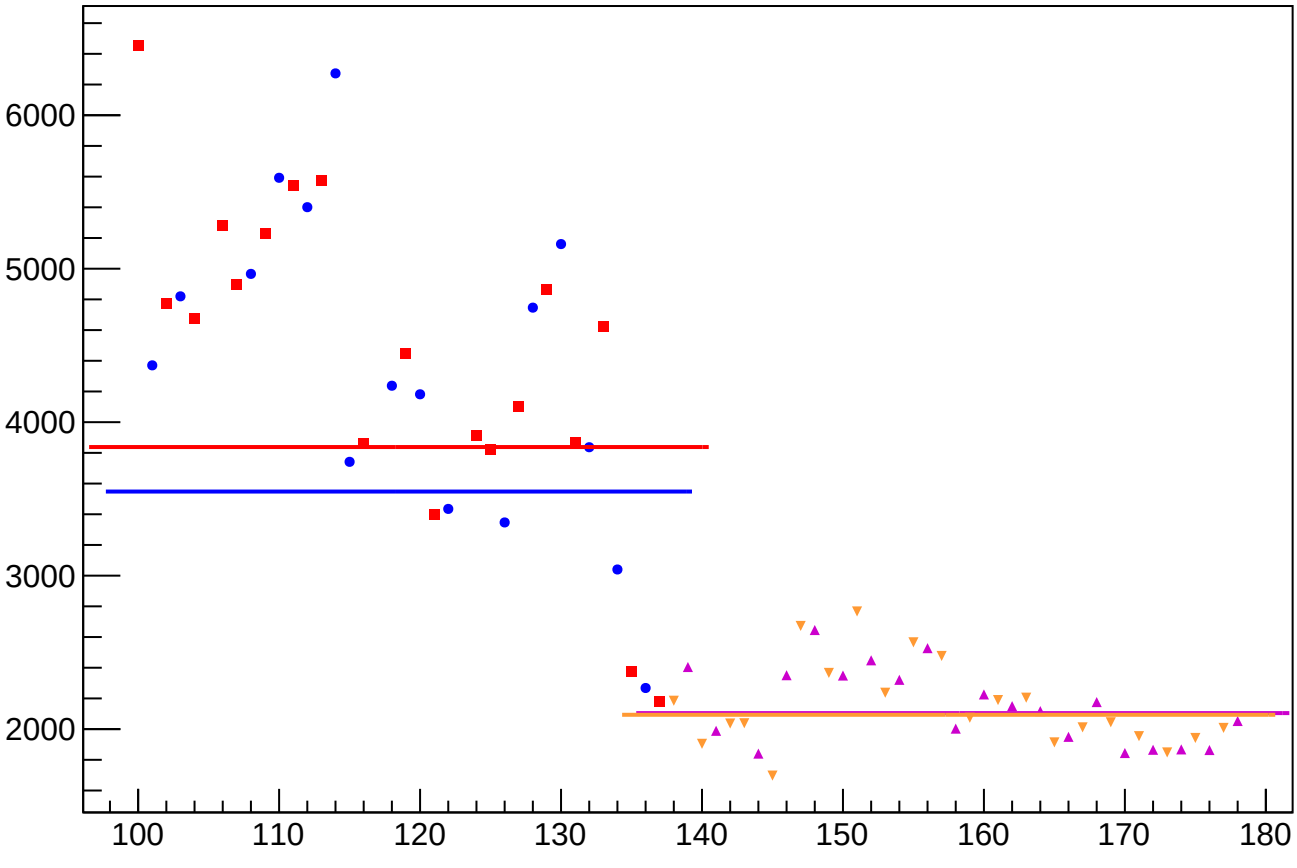
Left: -437.160+/-368.580 χ^2/NDF: 73.8/40

Right: -1281.264+/-1004.718 χ^2/NDF: 35.0/34

In: -115.381+/-490.845 χ^2/NDF:52.7/35

Out: -954.121+/-487.890 χ^2/NDF:55.2/39

All: -537.283+/-346.030 χ^2/NDF: 109.4/75



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: 2104.418+/-0.371 χ^2/NDF:401182.6/19

Left: 2098.851+/-0.261 χ^2/NDF: 880912.2/40

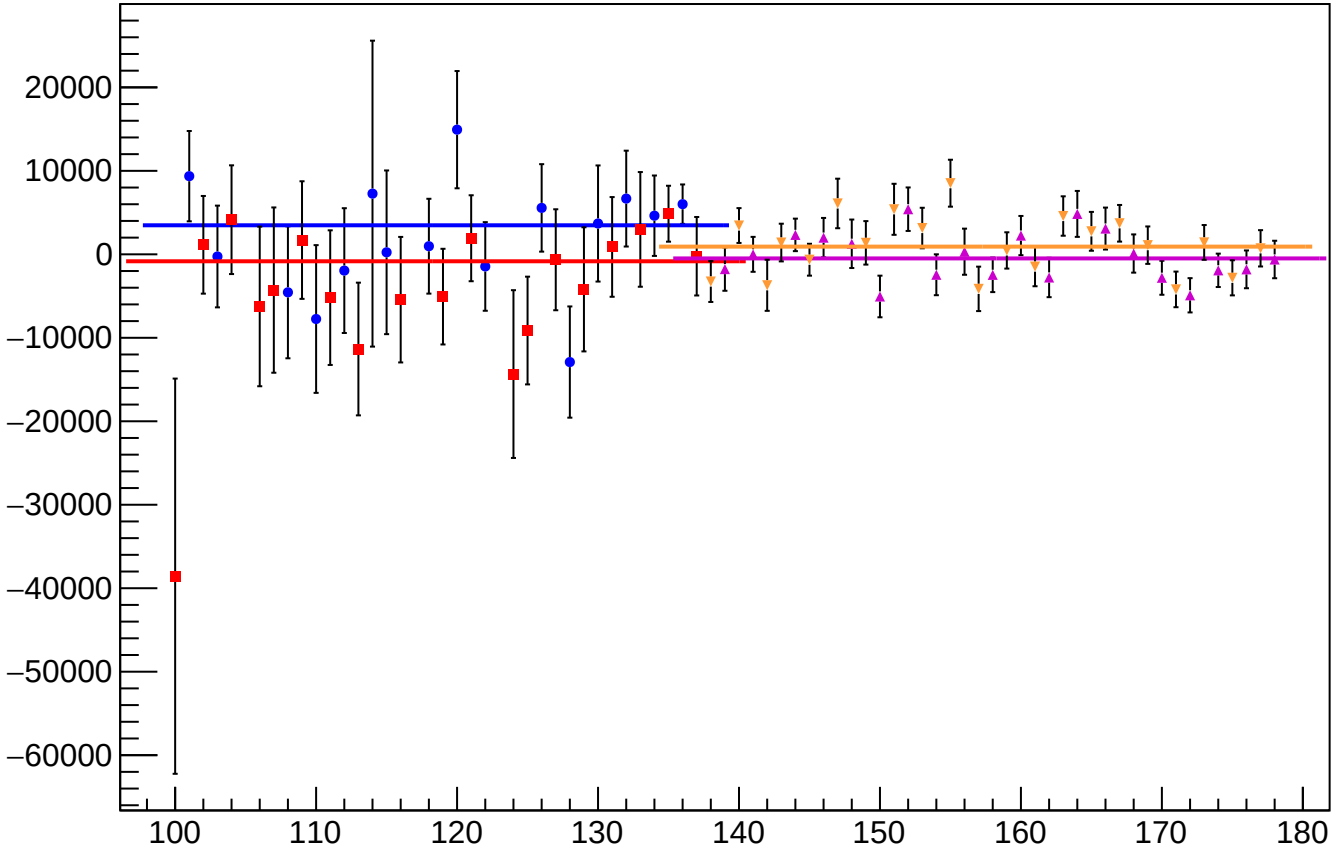
Right: 3685.164+/-0.710 χ^2/NDF: 2455829.5/34

In: 2285.953+/-0.347 χ^2/NDF:3561463.4/35

Out: 2288.057+/-0.345 χ^2/NDF:4169516.2/39

All: 2287.012+/-0.245 χ^2/NDF: 7730998.1/75

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: -490.886+/-516.999 χ^2/NDF:28.9/19

Left: 223.721+/-363.449 χ^2/NDF: 71.7/40

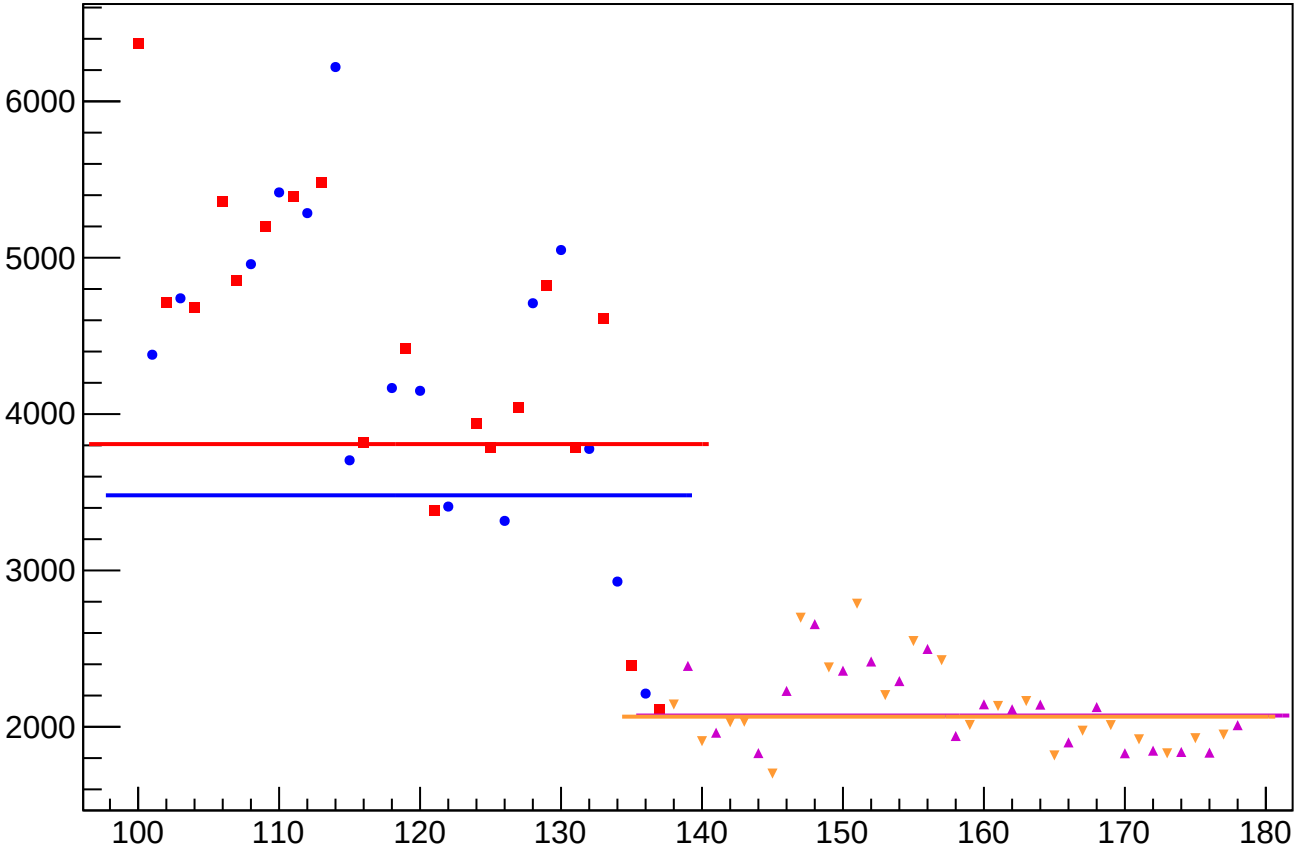
Right: 1459.744+/-991.983 χ^2/NDF: 35.1/34

In: 10.062+/-483.275 χ^2/NDF:52.6/35

Out: 728.009+/-481.970 χ^2/NDF:54.4/39

All: 370.006+/-341.265 χ^2/NDF: 108.2/75

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: 2072.176+/-0.366 χ^2/NDF:405974.4/19

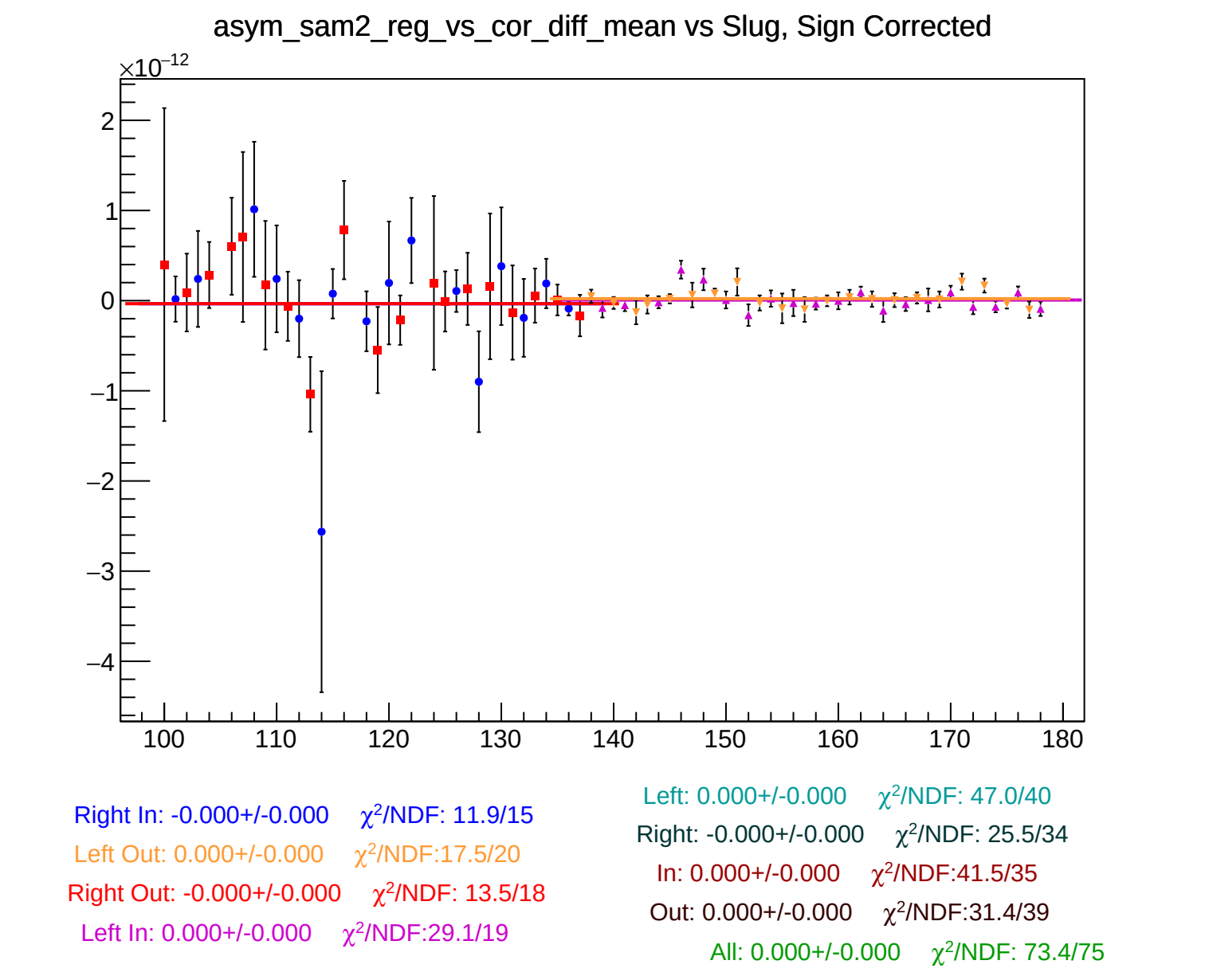
Left: 2068.562+/-0.257 χ^2/NDF: 909470.6/40

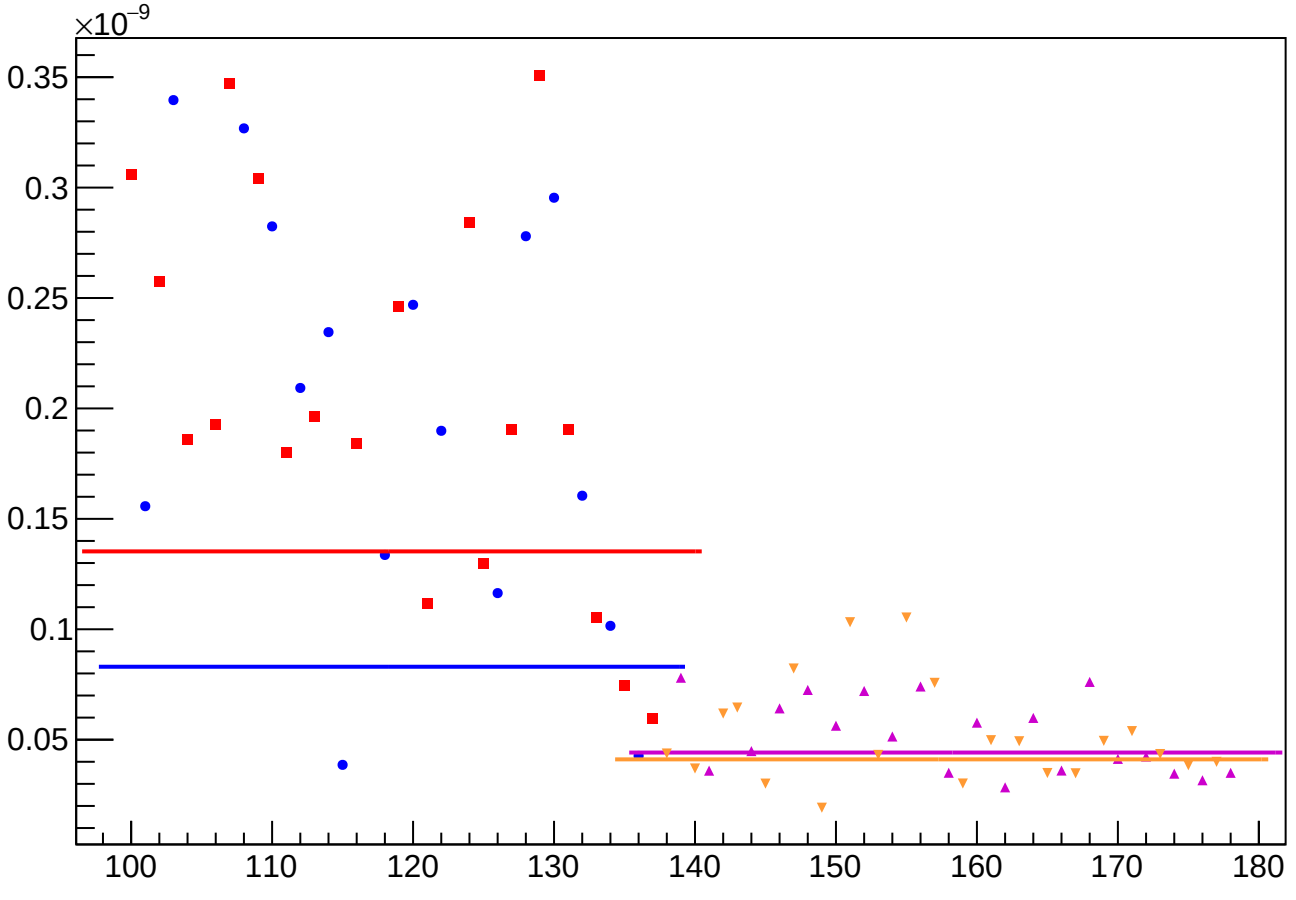
Right: 3633.956+/-0.701 χ^2/NDF: 2498515.1/34

In: 2249.924+/-0.342 χ^2/NDF:3575776.0/35

Out: 2257.713+/-0.341 χ^2/NDF:4222956.9/39

All: 2253.829+/-0.241 χ^2/NDF: 7798993.4/75


asym_sam2_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 11.9/15
Left Out: 0.000+/-0.000 χ²/NDF:17.5/20
Right Out: -0.000+/-0.000 χ²/NDF: 13.5/18
Left In: 0.000+/-0.000 χ²/NDF:29.1/19
Left: 0.000+/-0.000 χ²/NDF: 47.0/40
Right: -0.000+/-0.000 χ²/NDF: 25.5/34
In: 0.000+/-0.000 χ²/NDF:41.5/35
Out: 0.000+/-0.000 χ²/NDF:31.4/39
All: 0.000+/-0.000 χ²/NDF: 73.4/75



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:1207761.6/19

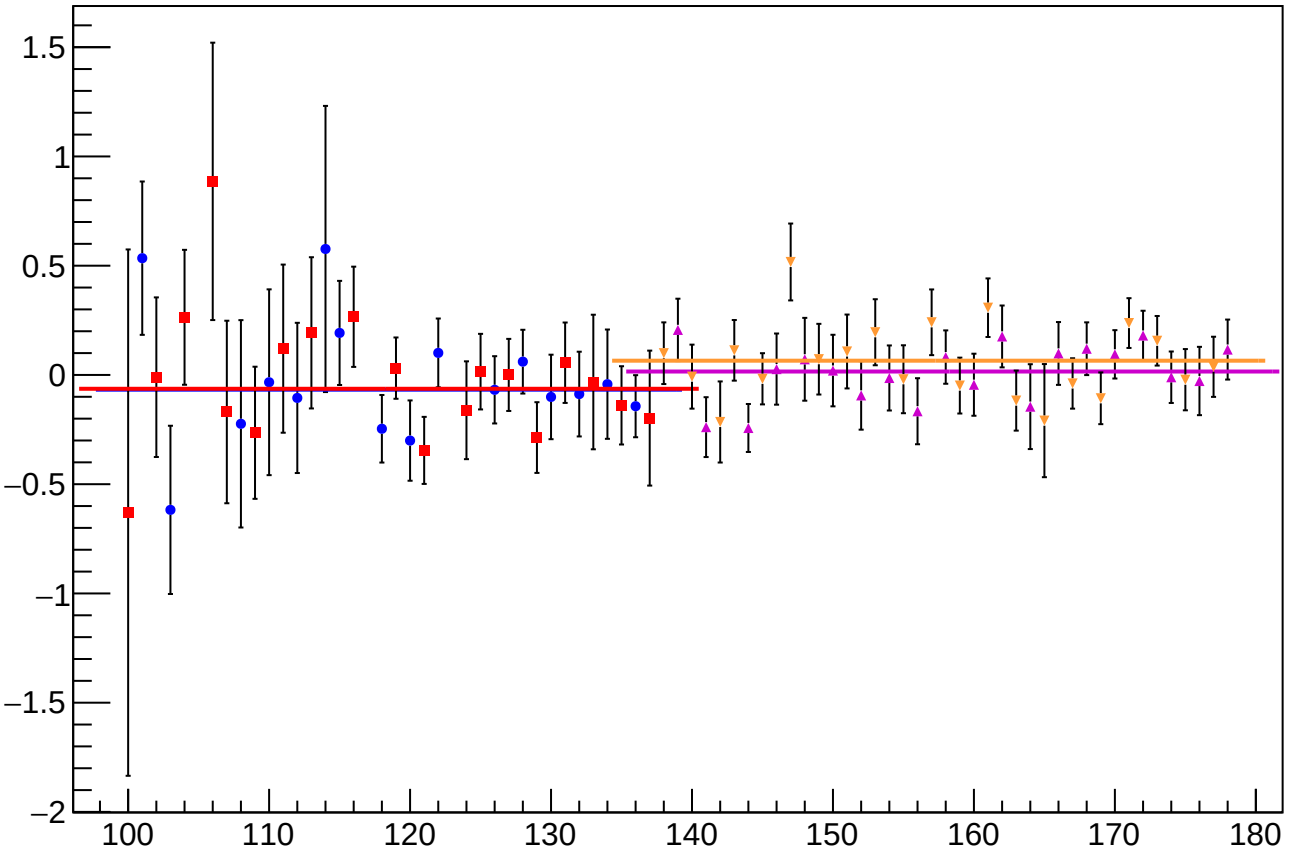
Left: 0.000+/-0.000 χ^2/NDF: 2964262.9/40

Right: 0.000+/-0.000 χ^2/NDF: 4605860.5/34

In: 0.000+/-0.000 χ^2/NDF:4662557.2/35

Out: 0.000+/-0.000 χ^2/NDF:5496533.0/39

All: 0.000+/-0.000 χ^2/NDF: 10184557.2/75



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: 0.016+/-0.031 χ^2/NDF:19.6/19

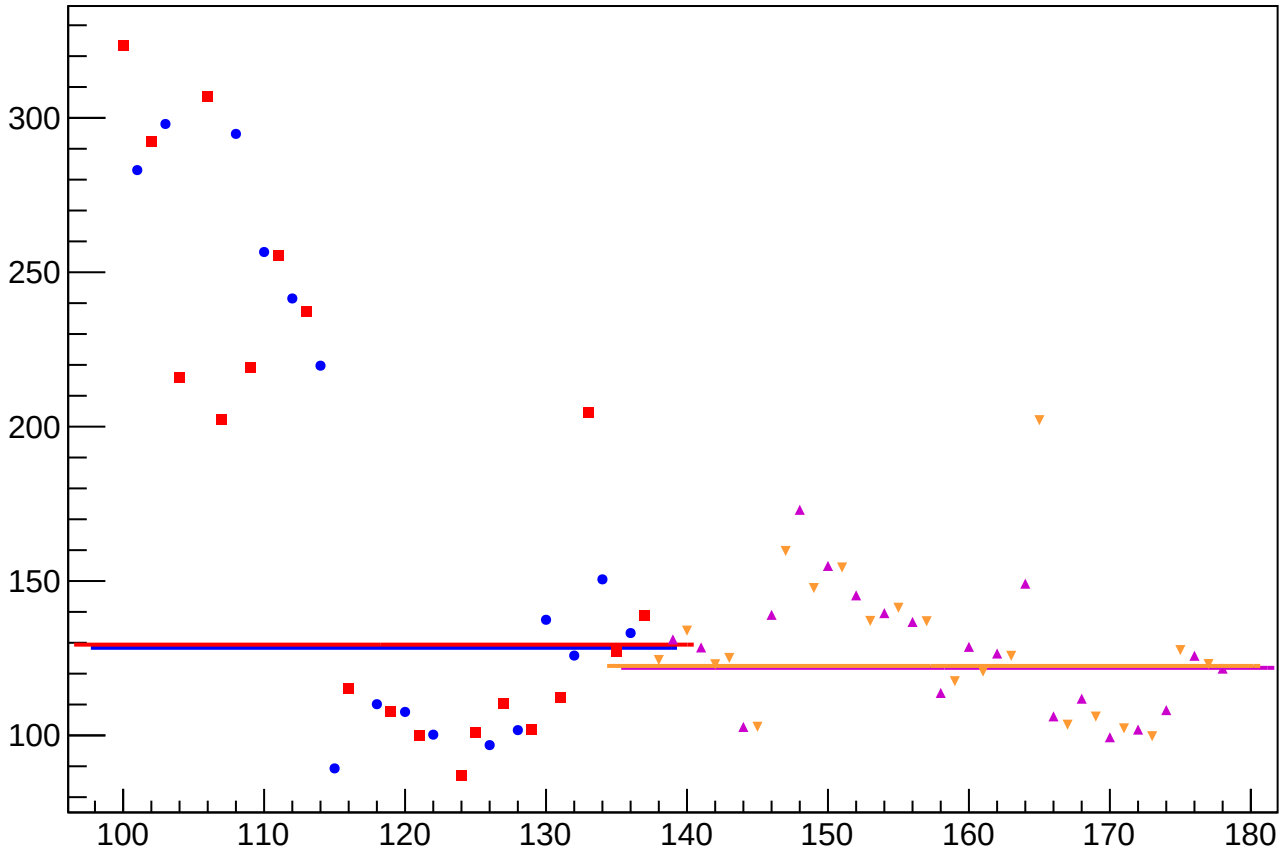
Left: 0.041+/-0.022 χ^2/NDF: 46.5/40

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.006+/-0.026 χ^2/NDF:34.0/35

Out: 0.032+/-0.026 χ^2/NDF:44.1/39

All: 0.013+/-0.019 χ^2/NDF: 79.2/75



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: 121.883+/-0.022 χ^2/NDF:681220.8/19

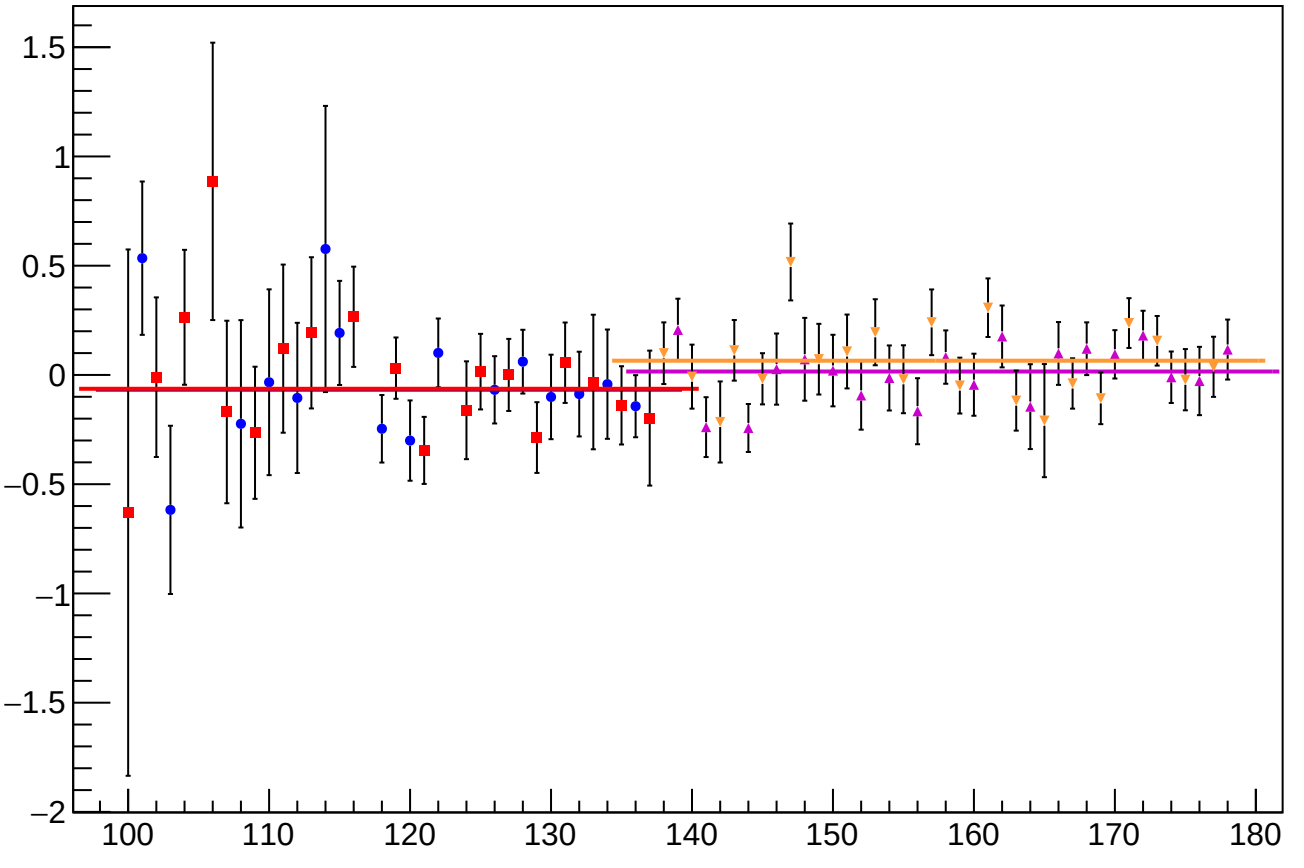
Left: 122.196+/-0.015 χ^2/NDF: 1460051.9/40

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 123.583+/-0.019 χ^2/NDF:2509555.1/35

Out: 124.286+/-0.019 χ^2/NDF:2693163.7/39

All: 123.937+/-0.013 χ^2/NDF: 5203430.8/75



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: 0.016+/-0.031 χ^2/NDF:19.6/19

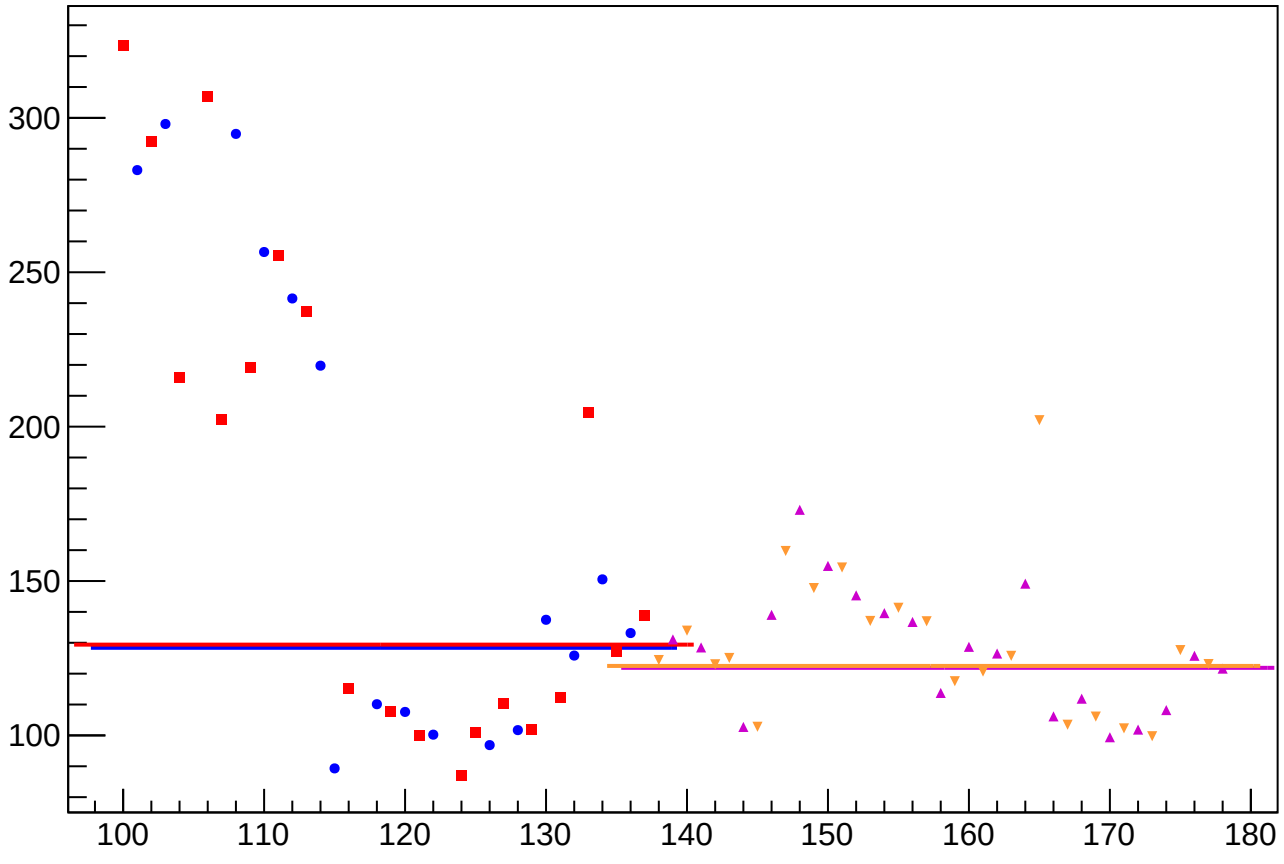
Left: 0.041+/-0.022 χ^2/NDF: 46.5/40

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.006+/-0.026 χ^2/NDF:34.0/35

Out: 0.032+/-0.026 χ^2/NDF:44.1/39

All: 0.013+/-0.019 χ^2/NDF: 79.2/75



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: 121.883+/-0.022 χ^2/NDF:681220.8/19

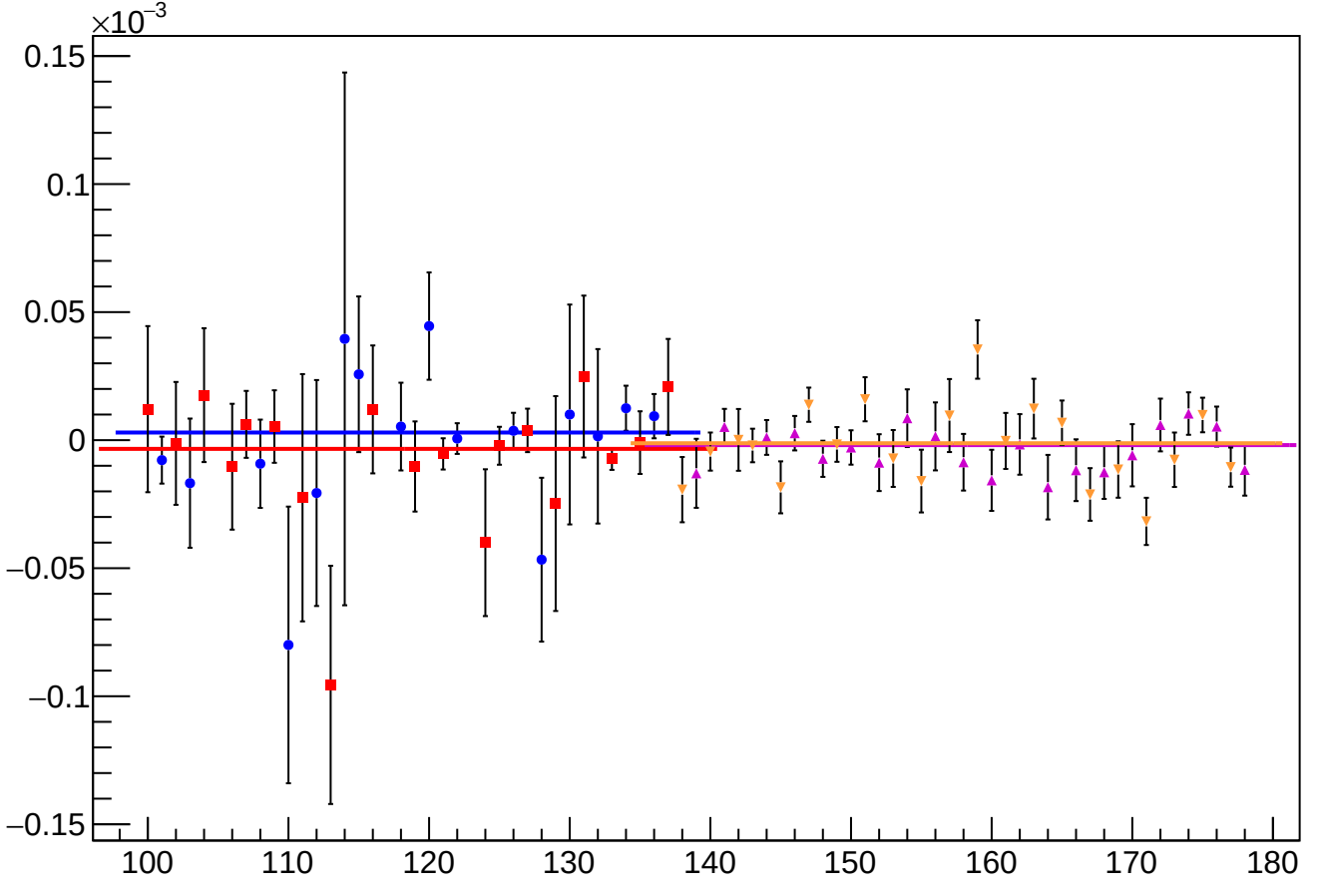
Left: 122.196+/-0.015 χ^2/NDF: 1460051.9/40

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 123.583+/-0.019 χ^2/NDF:2509555.1/35

Out: 124.286+/-0.019 χ^2/NDF:2693163.7/39

All: 123.937+/-0.013 χ^2/NDF: 5203430.8/75



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:14.0/19

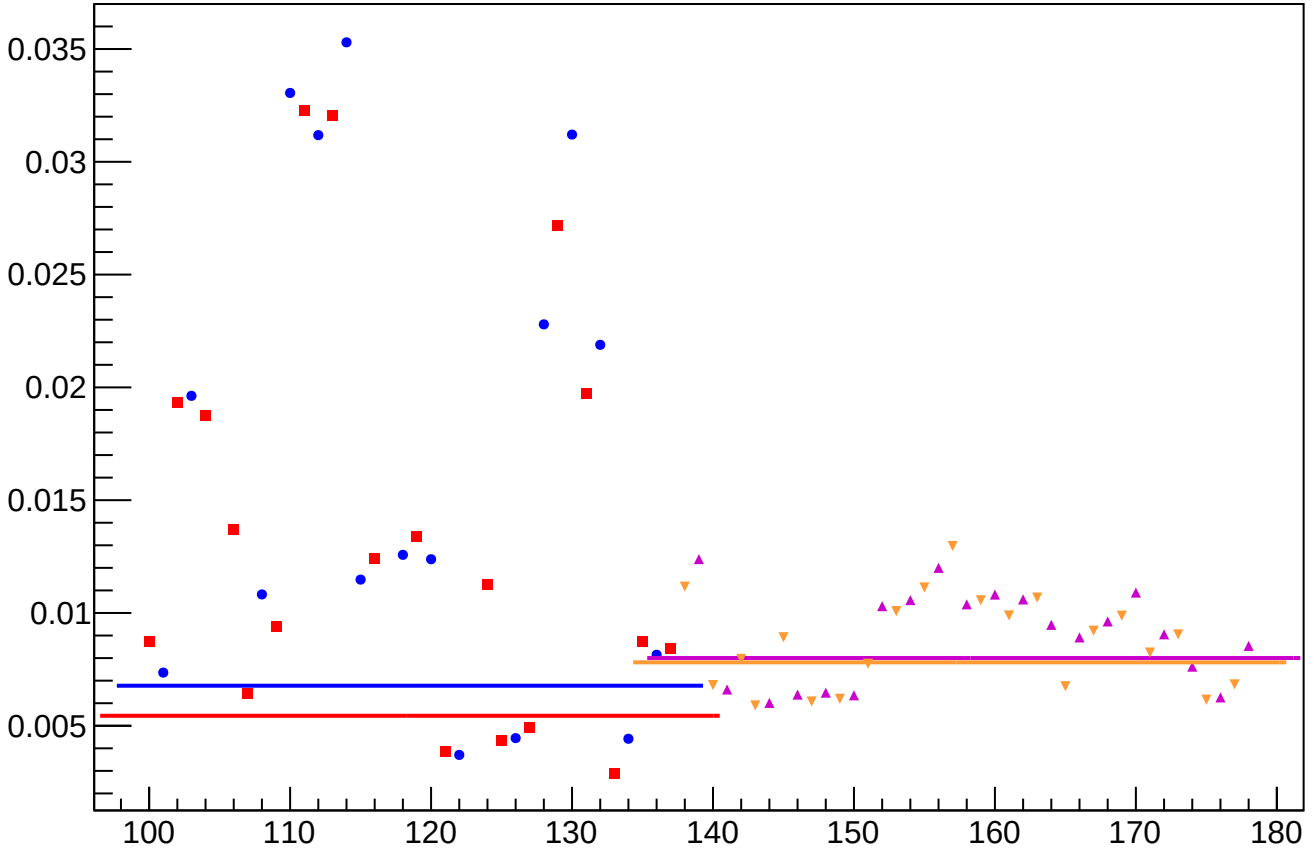
Left: -0.000+/-0.000 χ^2/NDF: 63.2/40

Right: -0.000+/-0.000 χ^2/NDF: 29.1/34

In: -0.000+/-0.000 χ^2/NDF:29.8/35

Out: -0.000+/-0.000 χ^2/NDF:62.2/39

All: -0.000+/-0.000 χ^2/NDF: 92.4/75



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:1797661.4/19

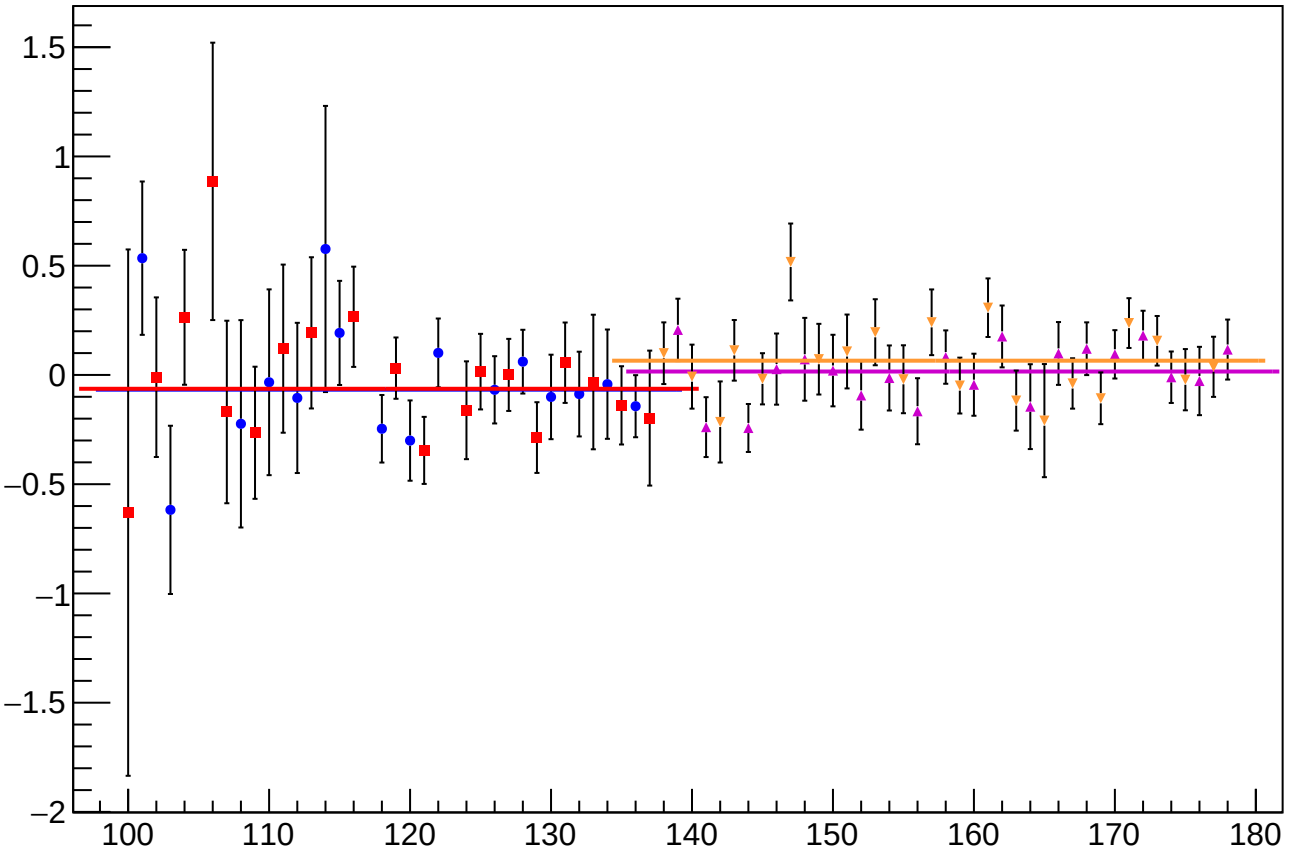
Left: 0.008+/-0.000 χ^2/NDF: 3548650.3/40

Right: 0.006+/-0.000 χ^2/NDF: 10558524.8/34

In: 0.008+/-0.000 χ^2/NDF:6783888.7/35

Out: 0.007+/-0.000 χ^2/NDF:8367901.1/39

All: 0.007+/-0.000 χ^2/NDF: 15328567.3/75



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: 0.016+/-0.031 χ^2/NDF:19.6/19

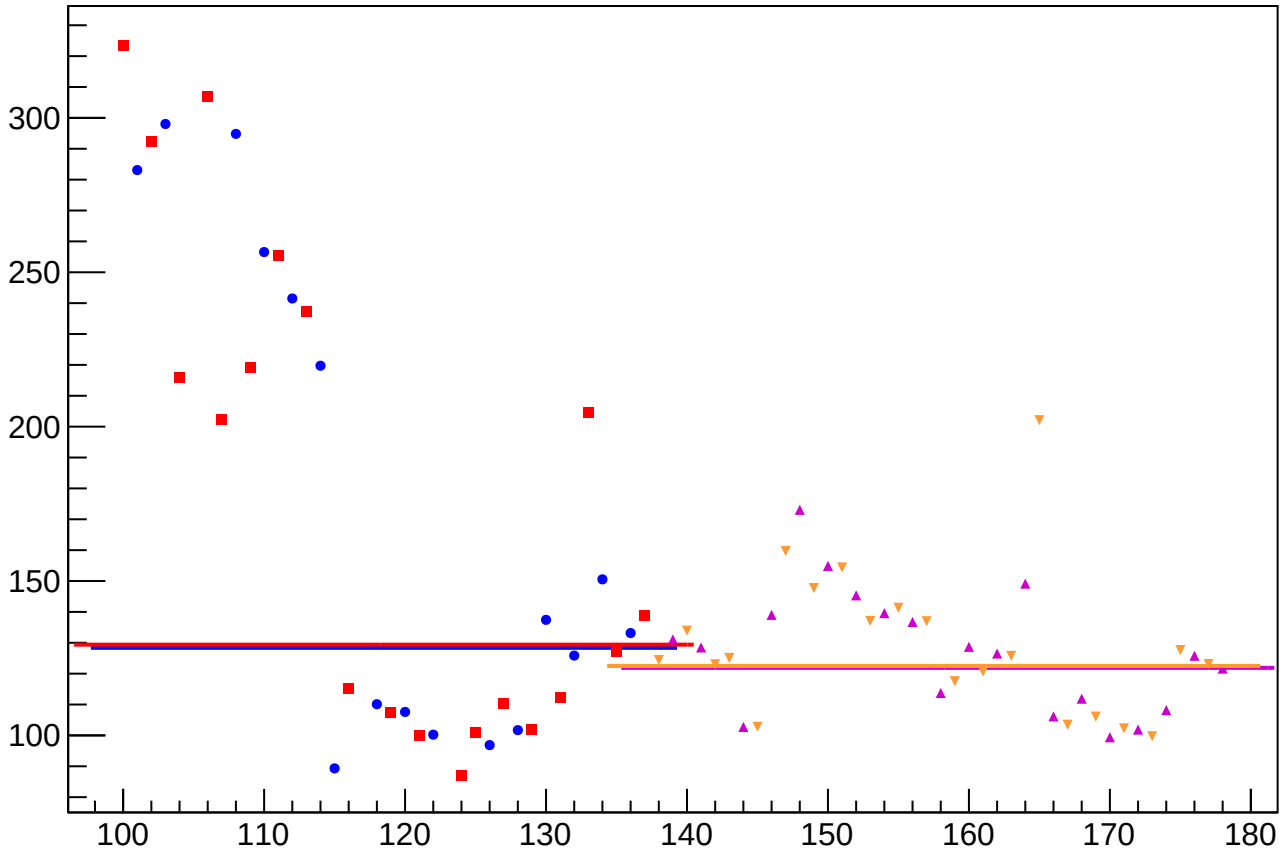
Left: 0.041+/-0.022 χ^2/NDF: 46.5/40

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.006+/-0.026 χ^2/NDF:34.0/35

Out: 0.032+/-0.026 χ^2/NDF:44.1/39

All: 0.013+/-0.019 χ^2/NDF: 79.2/75



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: 121.883+/-0.022 χ^2/NDF:681246.7/19

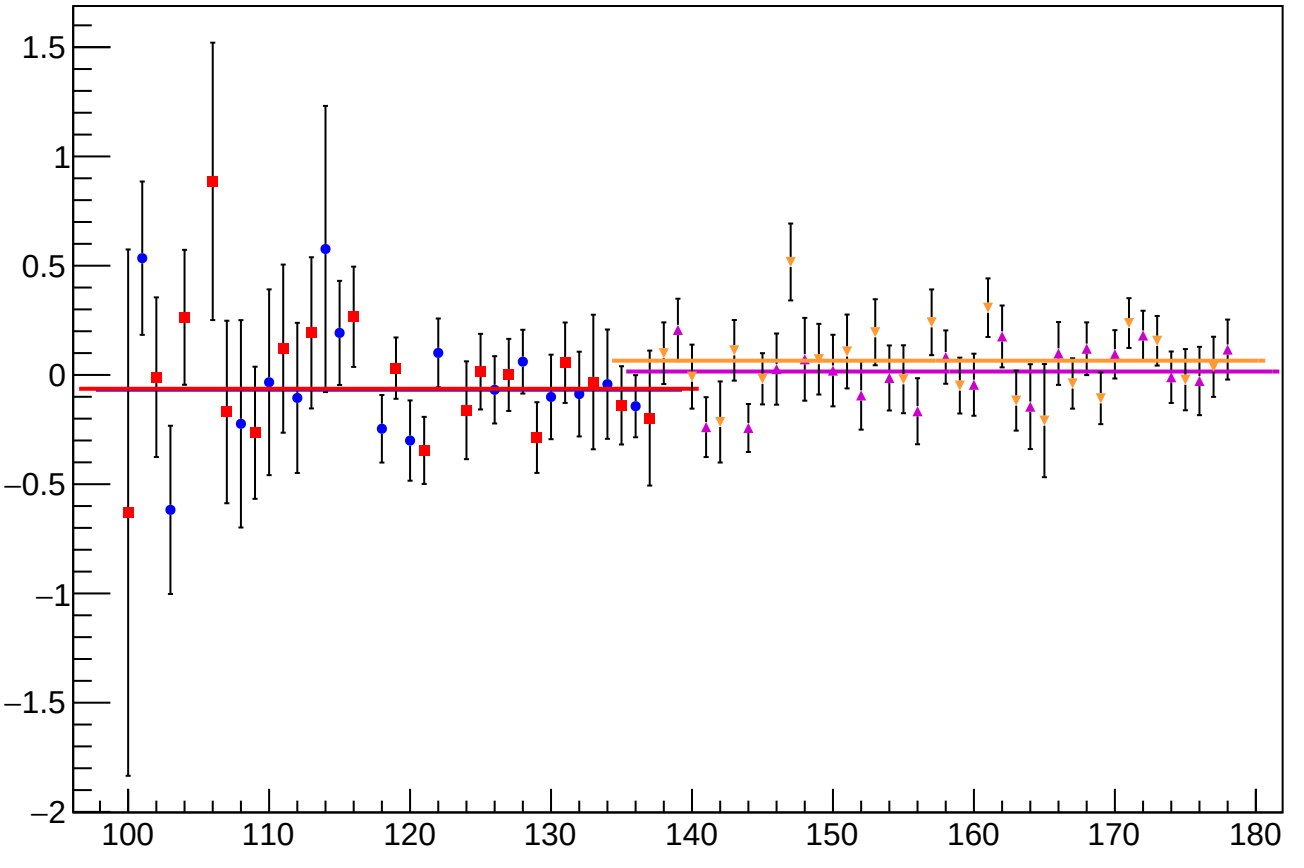
Left: 122.196+/-0.015 χ^2/NDF: 1460123.7/40

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 123.582+/-0.019 χ^2/NDF:2509510.1/35

Out: 124.285+/-0.019 χ^2/NDF:2693189.3/39

All: 123.937+/-0.013 χ^2/NDF: 5203411.3/75



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: 0.016+/-0.031 χ^2/NDF:19.6/19

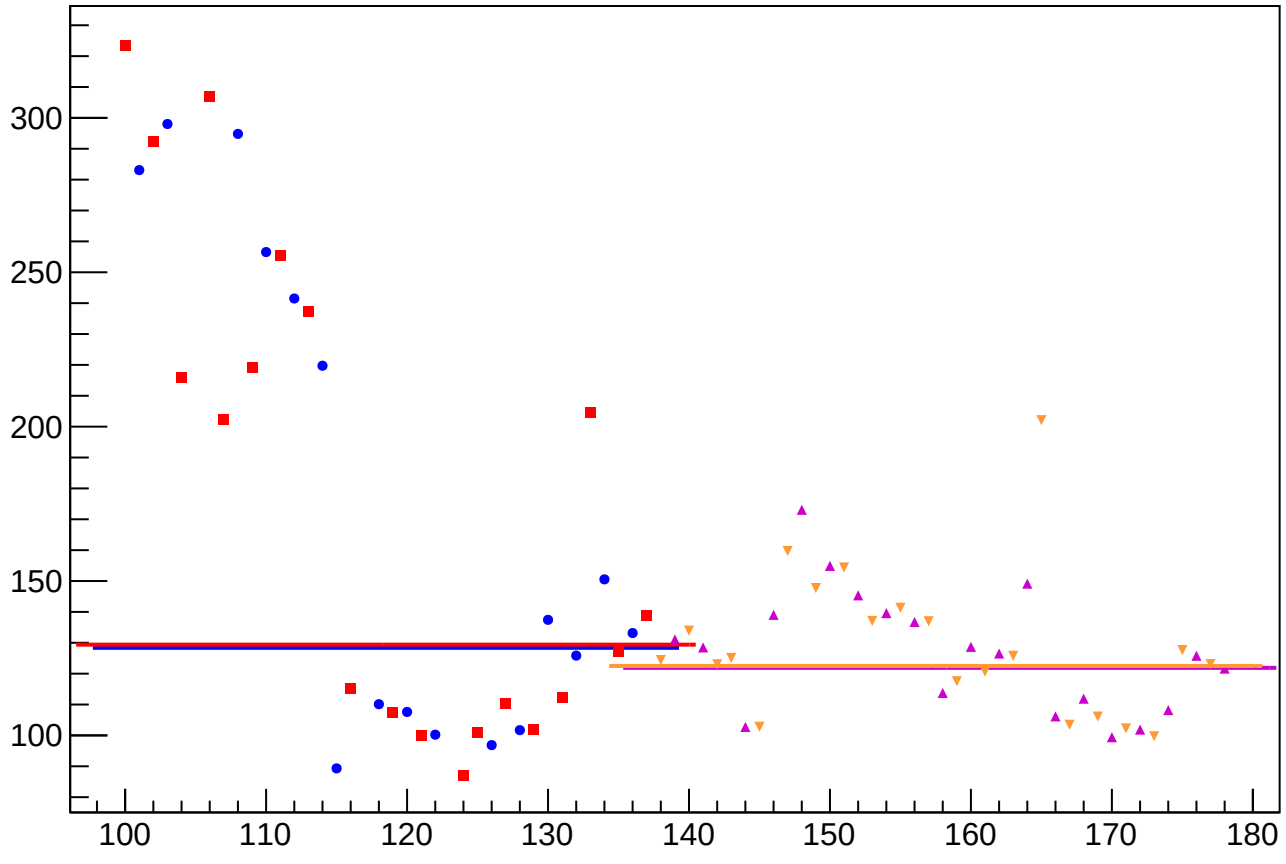
Left: 0.041+/-0.022 χ^2/NDF: 46.5/40

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.006+/-0.026 χ^2/NDF:34.0/35

Out: 0.032+/-0.026 χ^2/NDF:44.1/39

All: 0.013+/-0.019 χ^2/NDF: 79.2/75



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: 121.883+/-0.022 χ^2/NDF:681246.7/19

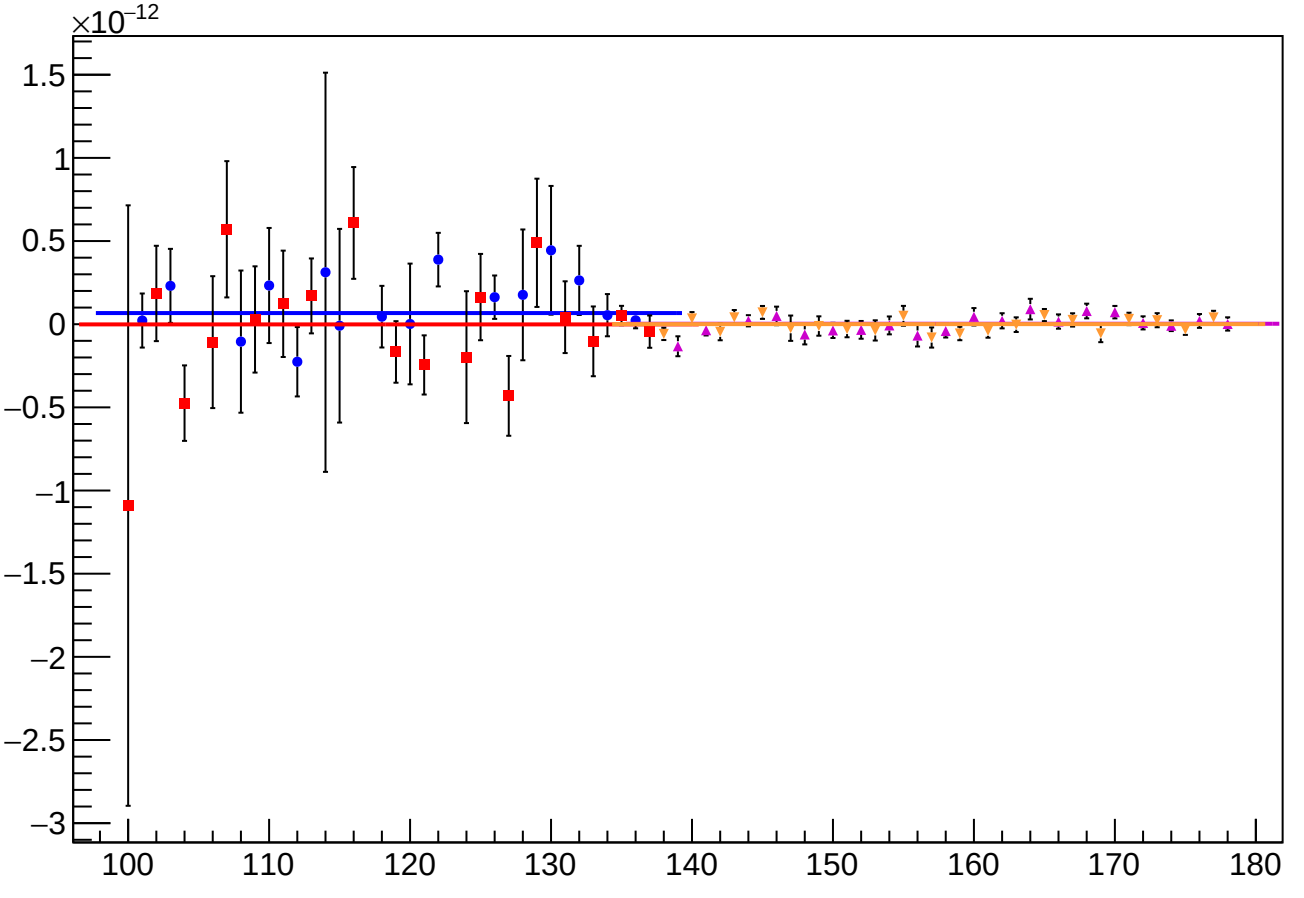
Left: 122.196+/-0.015 χ^2/NDF: 1460123.7/40

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 123.582+/-0.019 χ^2/NDF:2509510.1/35

Out: 124.285+/-0.019 χ^2/NDF:2693189.3/39

All: 123.937+/-0.013 χ^2/NDF: 5203411.3/75



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:22.1/19

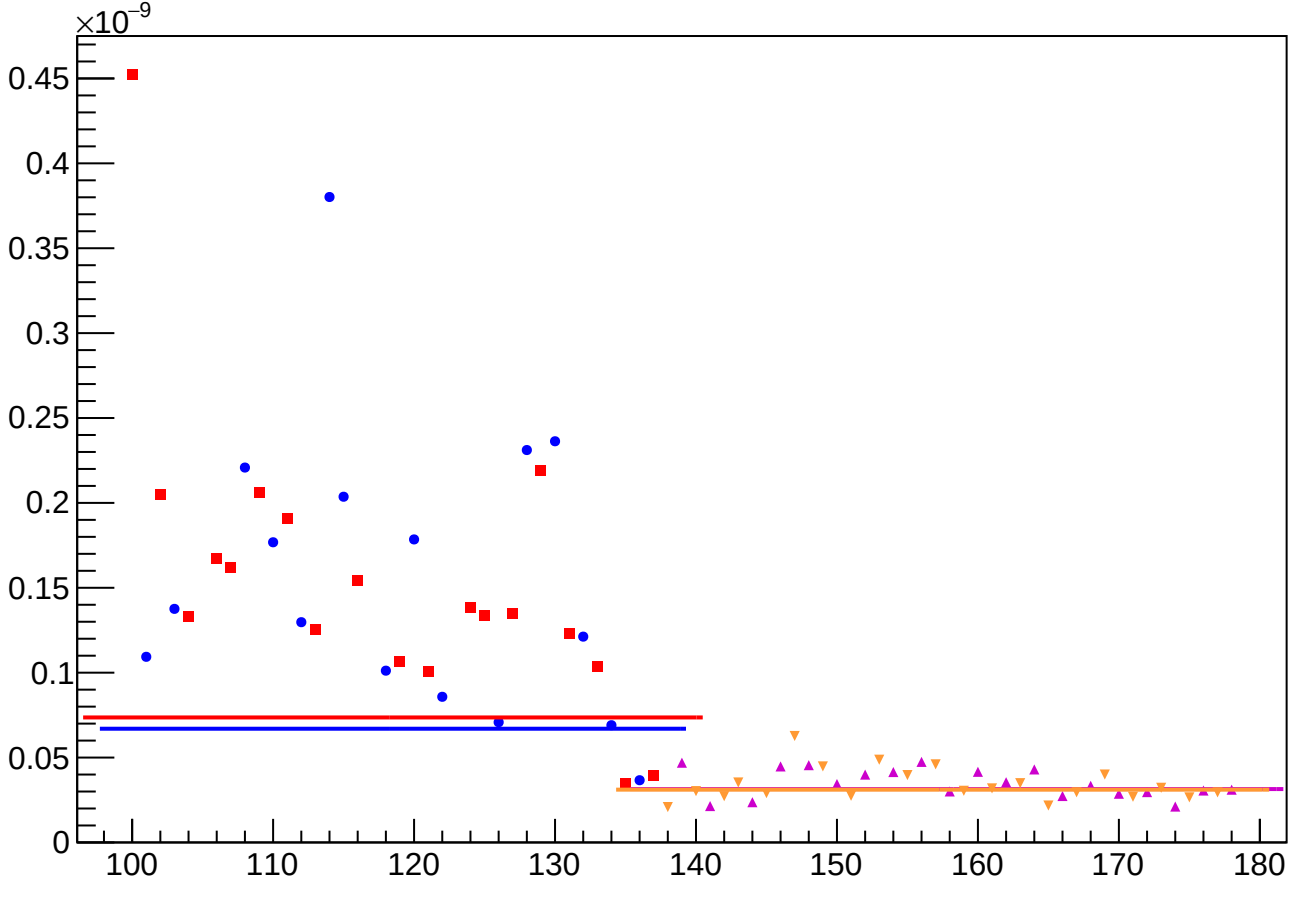
Left: 0.000+/-0.000 χ^2/NDF: 43.3/40

Right: 0.000+/-0.000 χ^2/NDF: 32.7/34

In: 0.000+/-0.000 χ^2/NDF:35.4/35

Out: 0.000+/-0.000 χ^2/NDF:41.8/39

All: 0.000+/-0.000 χ^2/NDF: 77.5/75



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:1318112.5/19

Left: 0.000+/-0.000 χ^2/NDF: 2581411.2/40

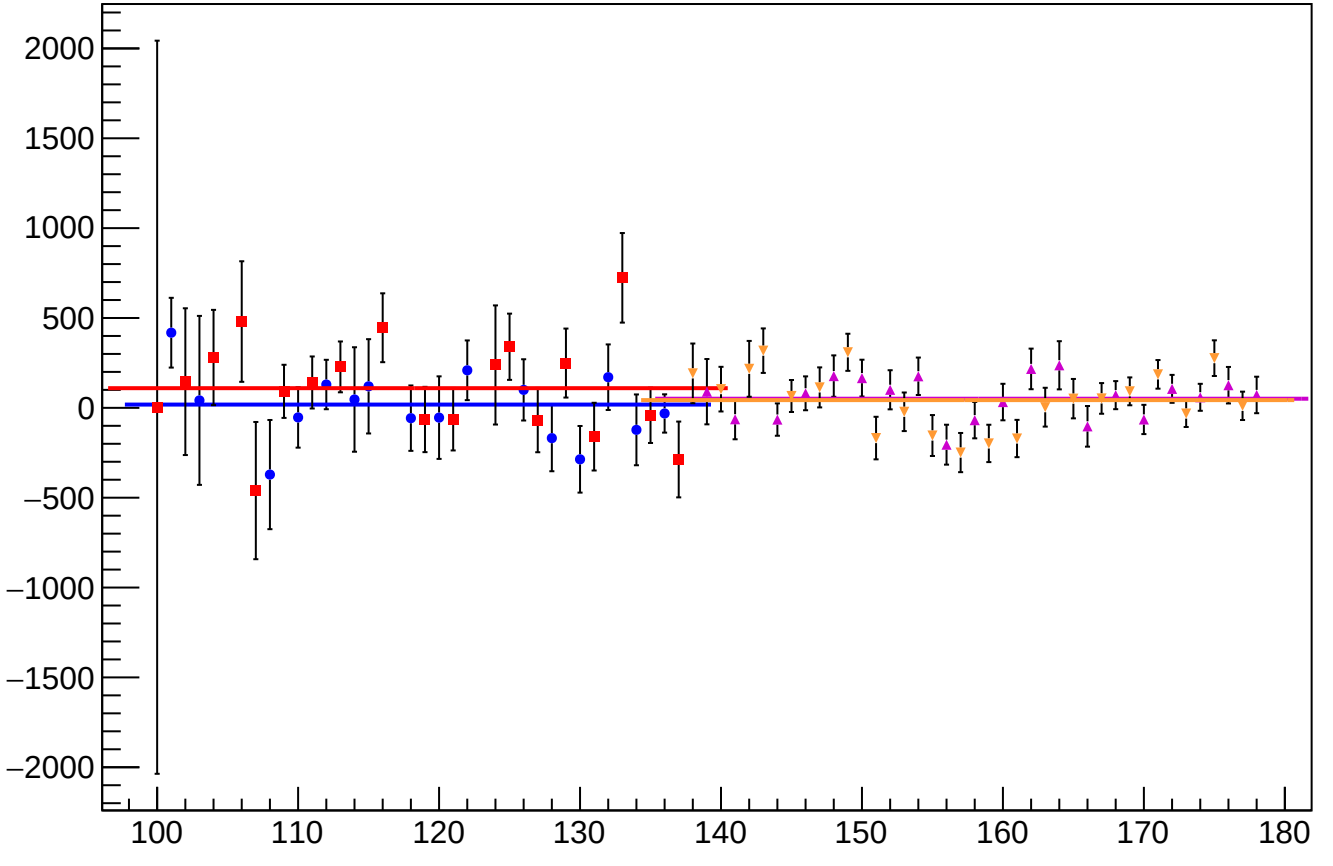
Right: 0.000+/-0.000 χ^2/NDF: 6865290.4/34

In: 0.000+/-0.000 χ^2/NDF:6304043.7/35

Out: 0.000+/-0.000 χ^2/NDF:7117559.8/39

All: 0.000+/-0.000 χ^2/NDF: 13423395.8/75

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: 50.798+/-22.174 χ^2/NDF:22.8/19

Left: 46.864+/-15.584 χ^2/NDF: 71.0/40

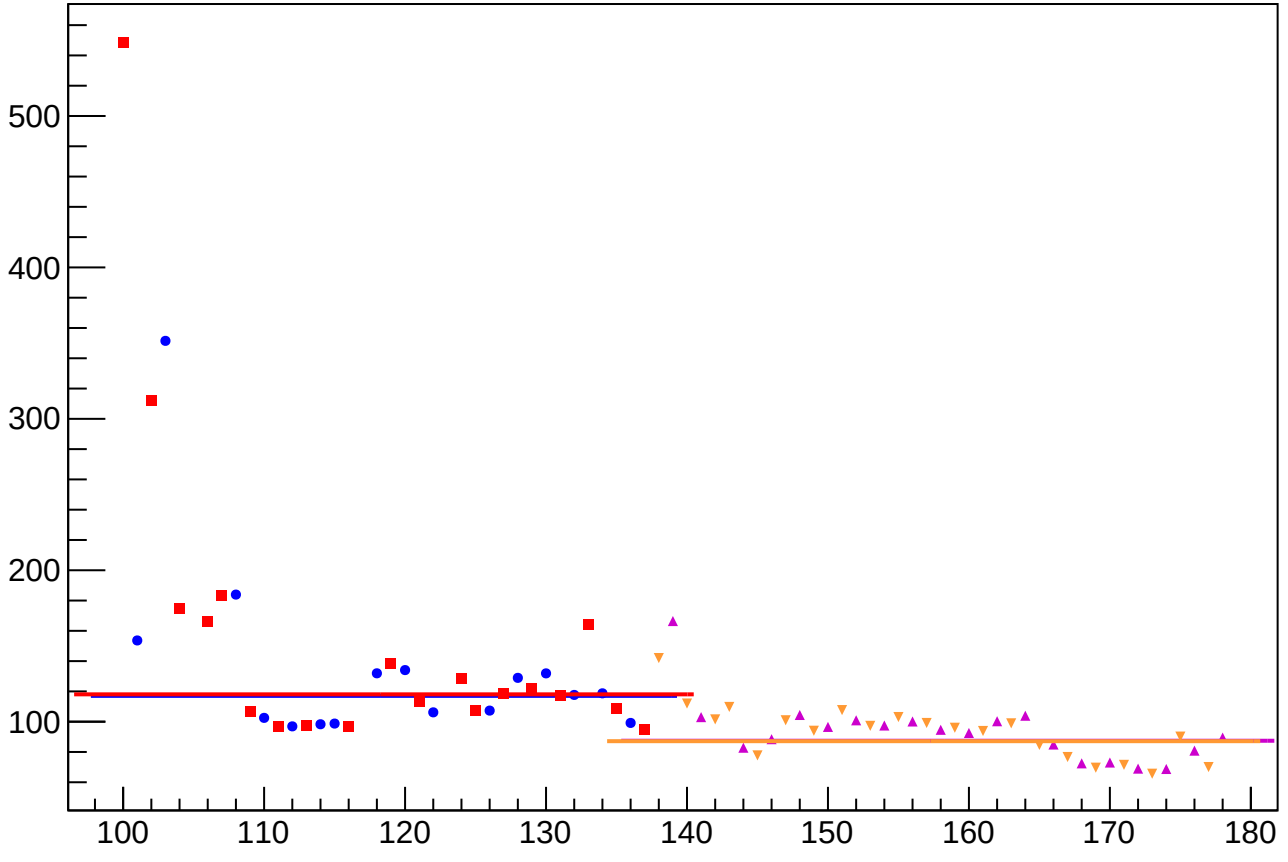
Right: 63.698+/-32.360 χ^2/NDF: 41.3/34

In: 44.588+/-19.950 χ^2/NDF:37.1/35

Out: 55.378+/-19.765 χ^2/NDF:75.3/39

All: 50.033+/-14.041 χ^2/NDF: 112.5/75

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: 87.409+/-0.016 χ^2/NDF:1011287.1/19

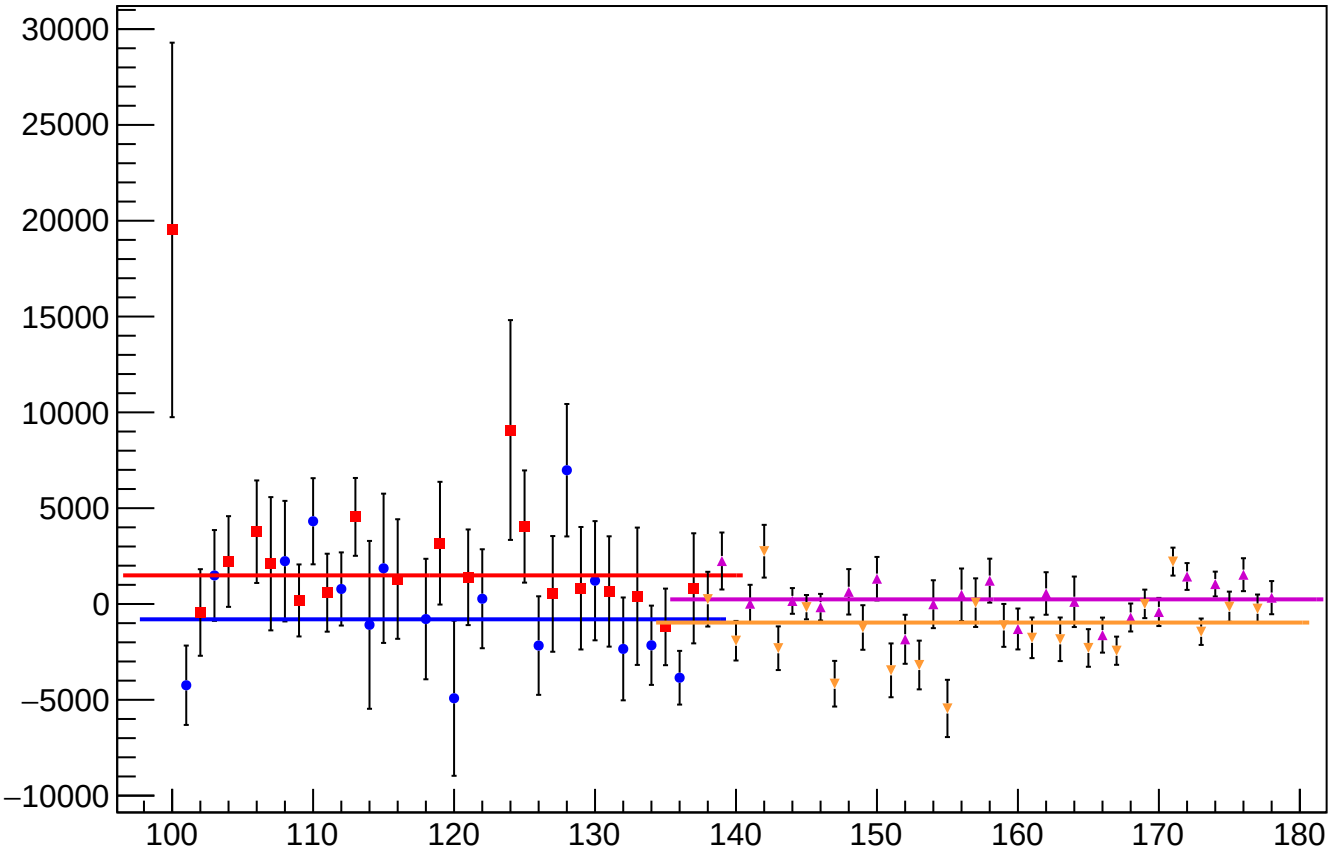
Left: 87.265+/-0.011 χ^2/NDF: 2114715.0/40

Right: 117.559+/-0.023 χ^2/NDF: 1849621.4/34

In: 93.059+/-0.014 χ^2/NDF:2551202.5/35

Out: 92.879+/-0.014 χ^2/NDF:2835818.1/39

All: 92.968+/-0.010 χ^2/NDF: 5387103.0/75



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: 241.777+/-203.547 χ^2/NDF:22.2/19

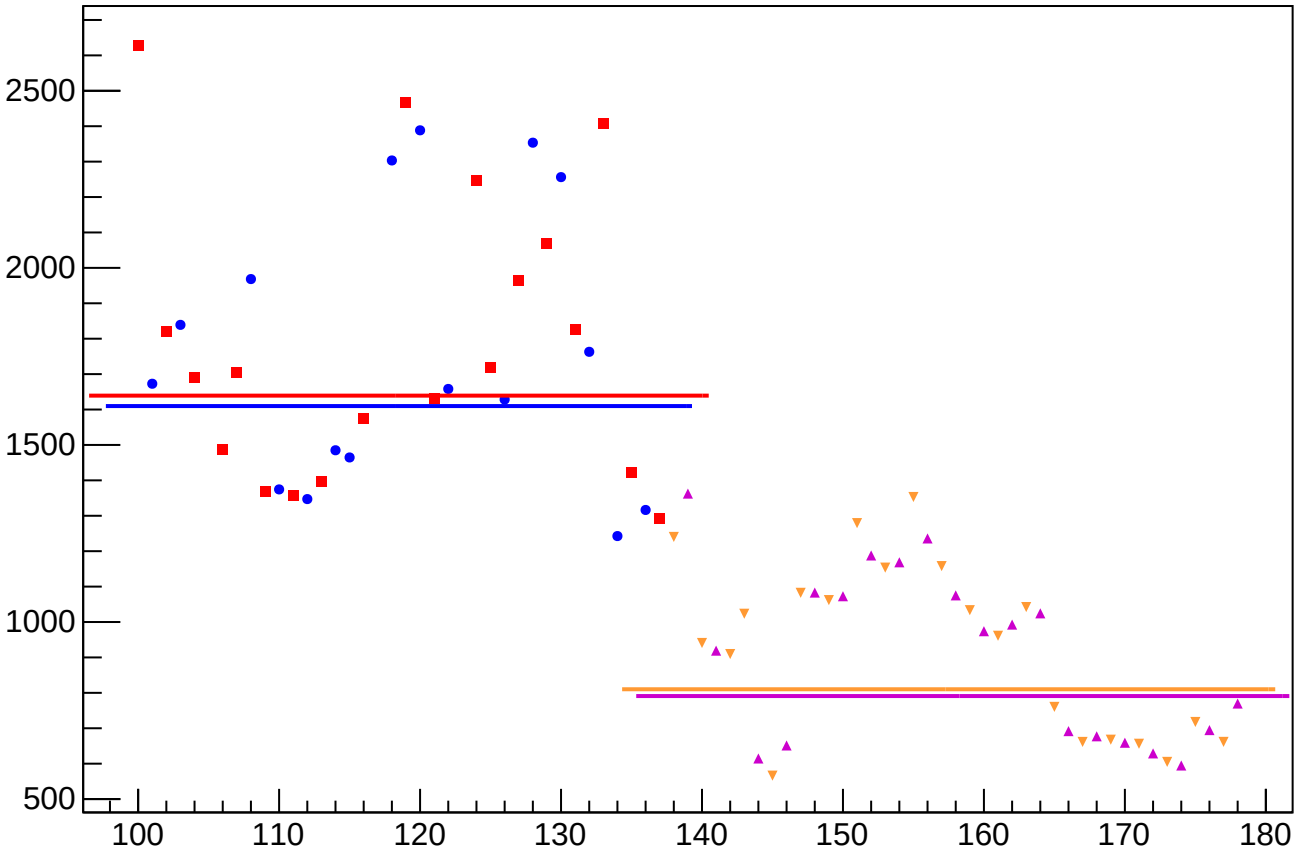
Left: -354.549+/-145.005 χ^2/NDF: 104.8/40

Right: 352.815+/-434.551 χ^2/NDF: 43.3/34

In: 139.314+/-193.270 χ^2/NDF:48.2/35

Out: -717.829+/-195.803 χ^2/NDF:92.6/39

All: -283.676+/-137.549 χ^2/NDF: 150.5/75



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: 790.938+/-0.144 χ^2/NDF:2144169.4/19

Left: 800.381+/-0.103 χ^2/NDF: 4461607.6/40

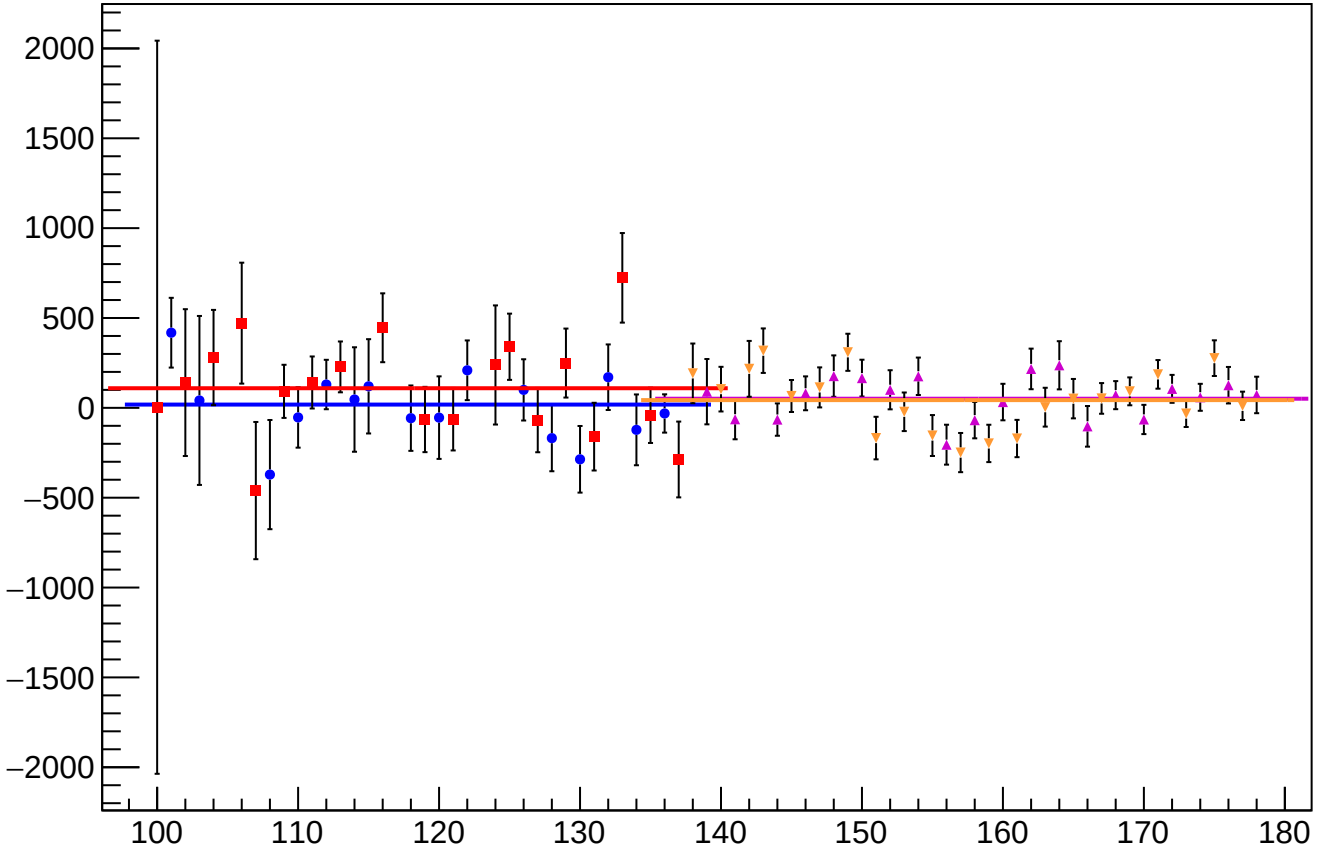
Right: 1624.581+/-0.307 χ^2/NDF: 1141609.2/34

In: 871.542+/-0.137 χ^2/NDF:5949360.0/35

Out: 894.679+/-0.138 χ^2/NDF:6113576.2/39

All: 882.960+/-0.097 χ^2/NDF: 12077081.2/75

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: 50.800+/-22.174 χ^2/NDF:22.8/19

Left: 46.867+/-15.584 χ^2/NDF: 71.0/40

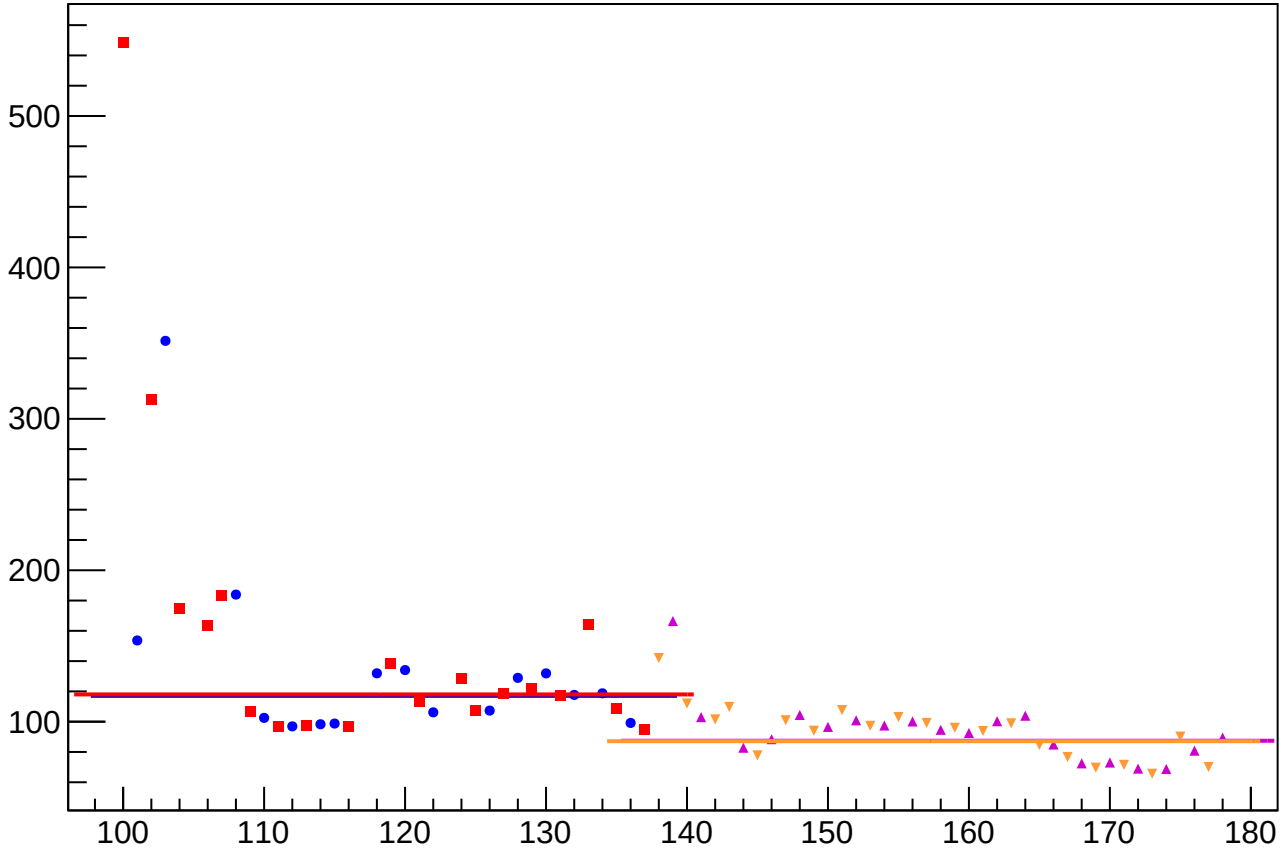
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 44.587+/-19.950 χ^2/NDF:37.1/35

Out: 55.327+/-19.765 χ^2/NDF:75.3/39

All: 50.007+/-14.041 χ^2/NDF: 112.5/75

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: 87.409+/-0.016 χ^2/NDF:1011287.1/19

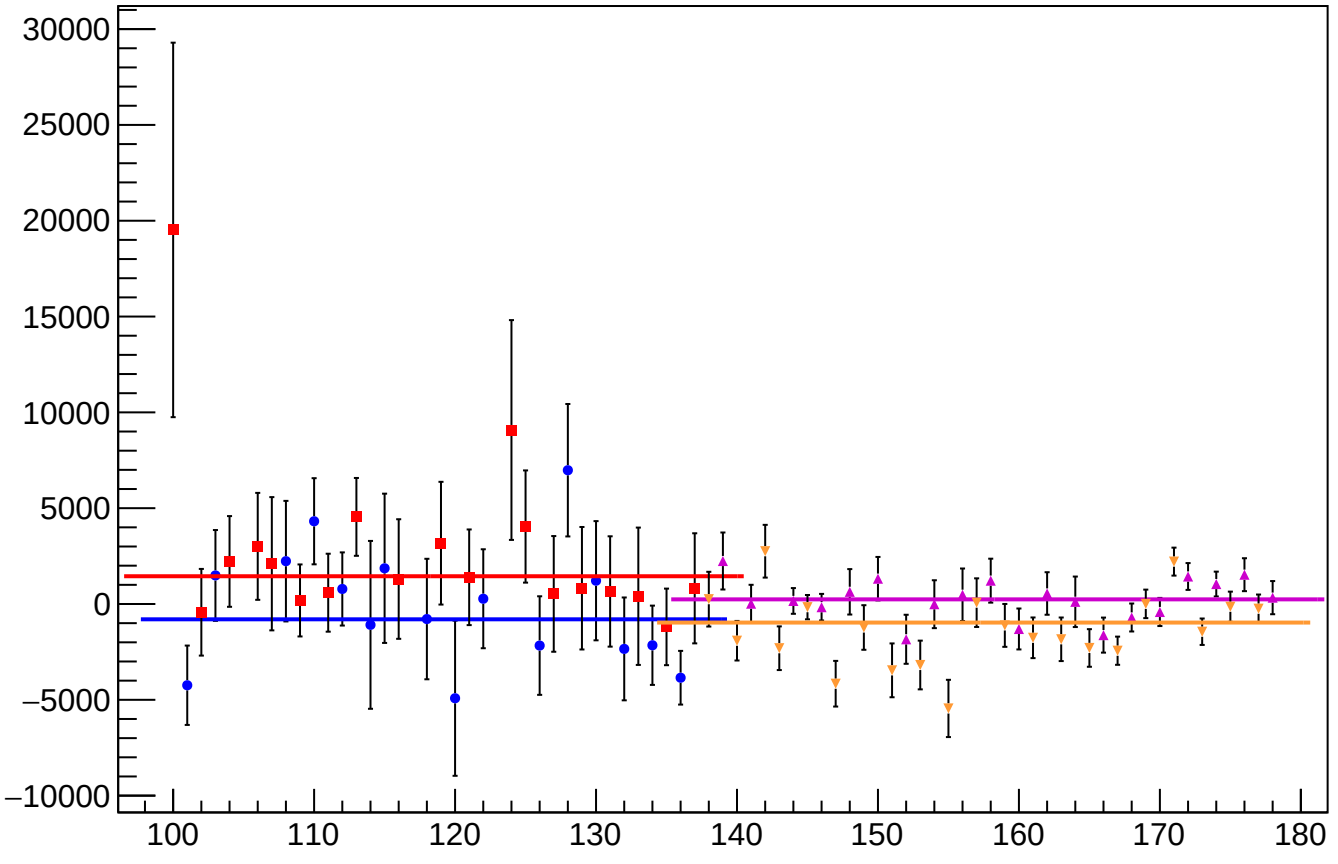
Left: 87.265+/-0.011 χ^2/NDF: 2114714.9/40

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 93.059+/-0.014 χ^2/NDF:2551204.1/35

Out: 92.868+/-0.014 χ^2/NDF:2829063.2/39

All: 92.963+/-0.010 χ^2/NDF: 5380359.3/75



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: 241.779+/-203.547 χ^2/NDF:22.2/19

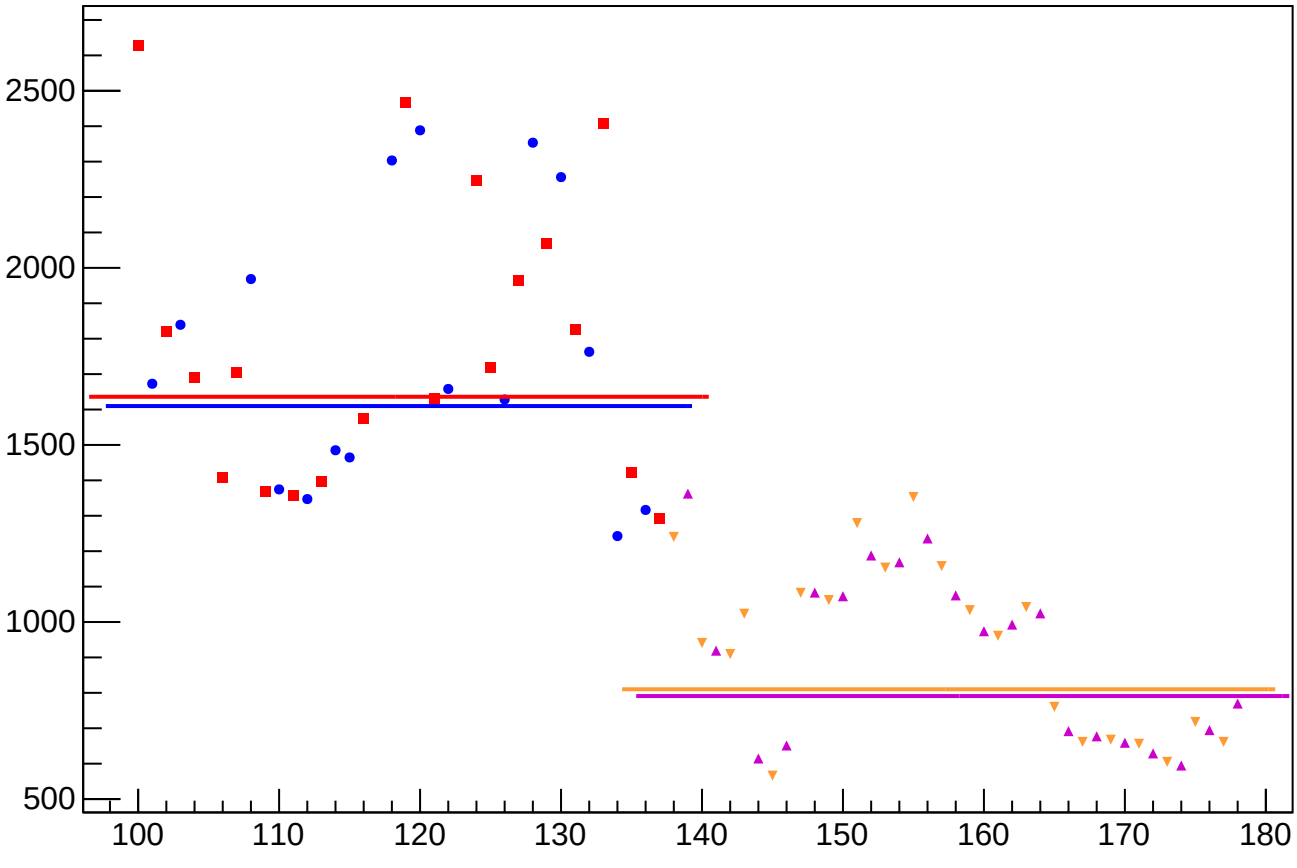
Left: -354.544+/-145.005 χ^2/NDF: 104.8/40

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: 139.319+/-193.270 χ^2/NDF:48.2/35

Out: -723.429+/-195.847 χ^2/NDF:91.6/39

All: -286.341+/-137.564 χ^2/NDF: 149.6/75



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: 790.938+/-0.144 χ^2/NDF:2144168.1/19

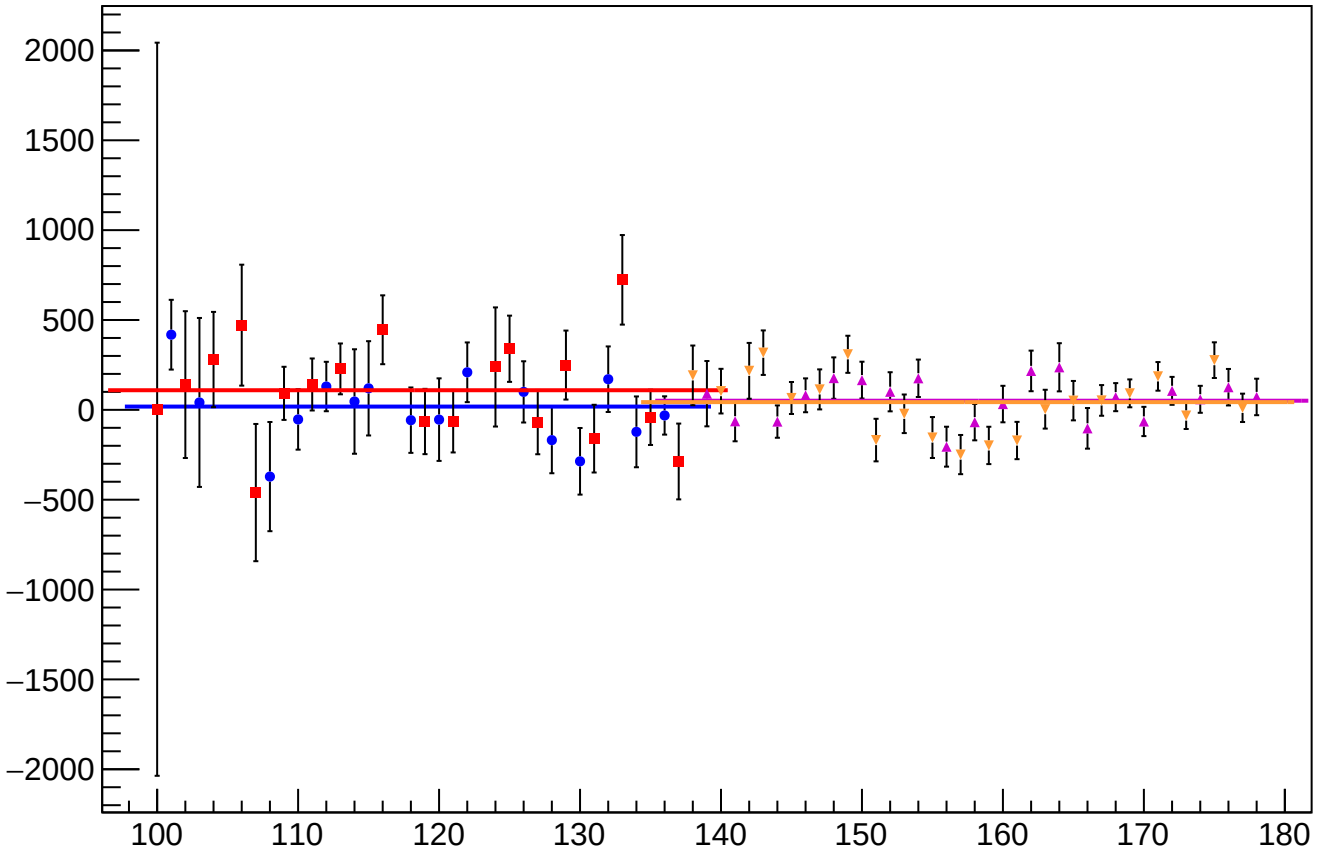
Left: 800.381+/-0.103 χ^2/NDF: 4461608.5/40

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 871.541+/-0.137 χ^2/NDF:5949417.7/35

Out: 894.021+/-0.138 χ^2/NDF:6083128.3/39

All: 882.632+/-0.097 χ^2/NDF: 12045895.4/75



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: 50.800+/-22.174 χ^2/NDF:22.8/19

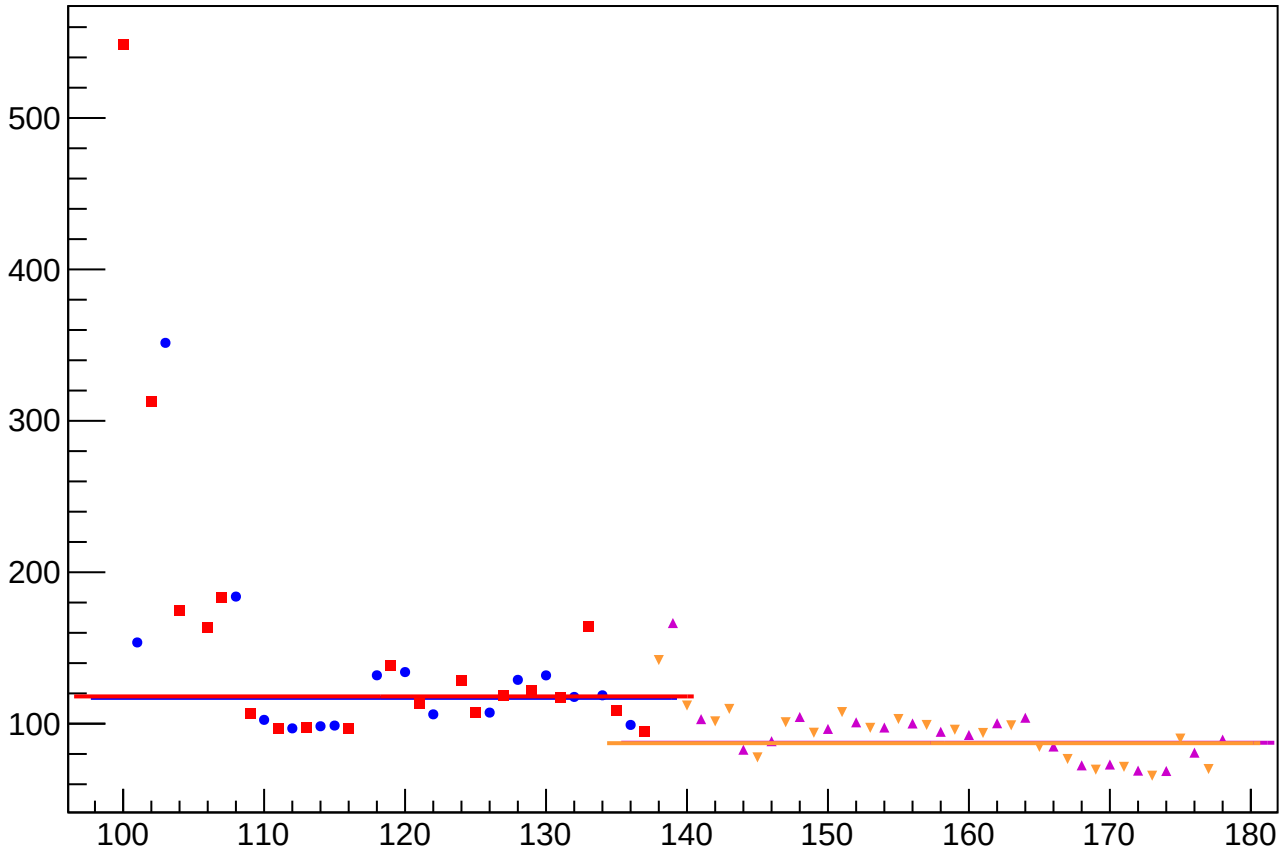
Left: 46.867+/-15.584 χ^2/NDF: 71.0/40

Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 44.587+/-19.950 χ^2/NDF:37.1/35

Out: 55.327+/-19.765 χ^2/NDF:75.3/39

All: 50.007+/-14.041 χ^2/NDF: 112.5/75



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: 87.409+/-0.016 χ^2/NDF:1011287.1/19

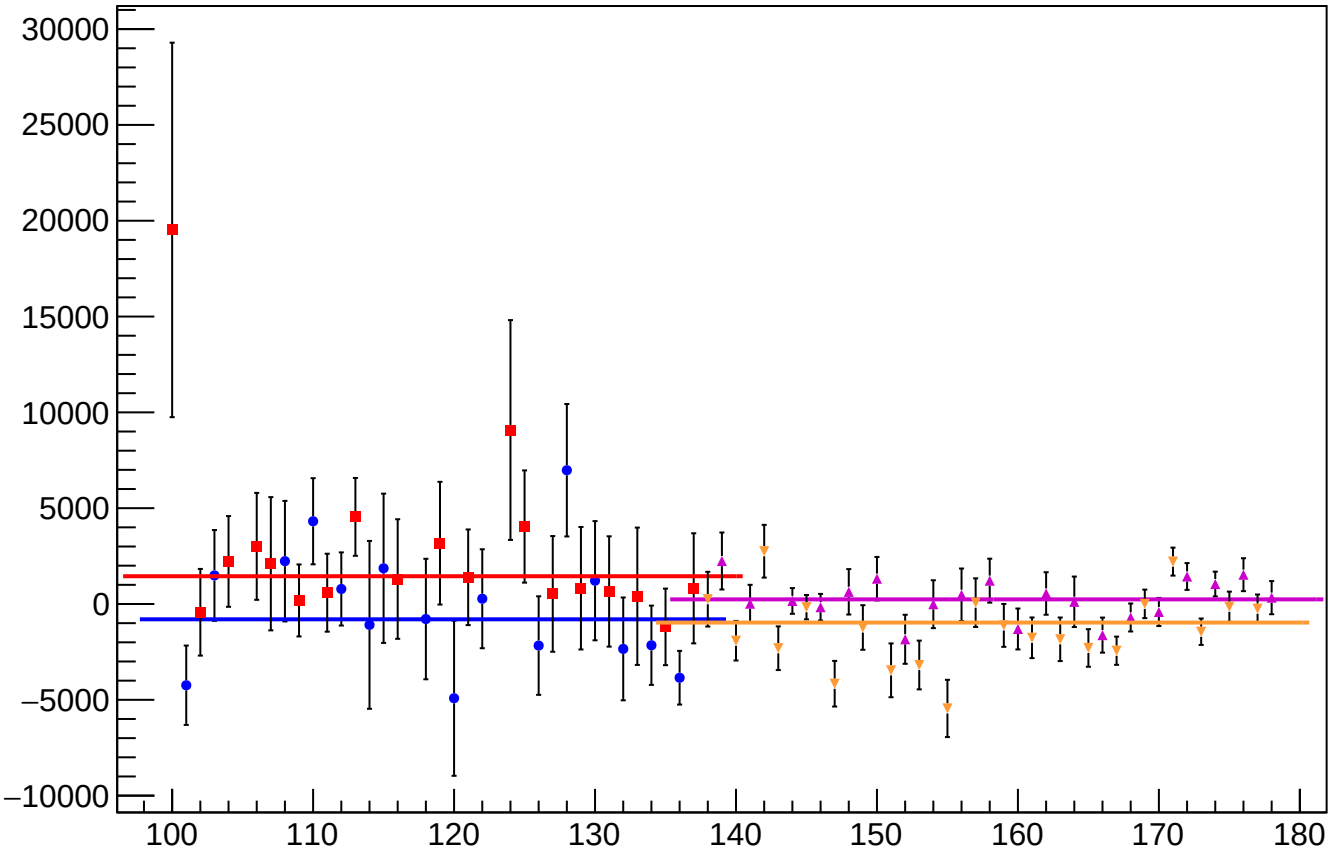
Left: 87.265+/-0.011 χ^2/NDF: 2114714.9/40

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 93.059+/-0.014 χ^2/NDF:2551204.1/35

Out: 92.868+/-0.014 χ^2/NDF:2829063.2/39

All: 92.963+/-0.010 χ^2/NDF: 5380359.3/75



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: 241.779+/-203.547 χ^2/NDF:22.2/19

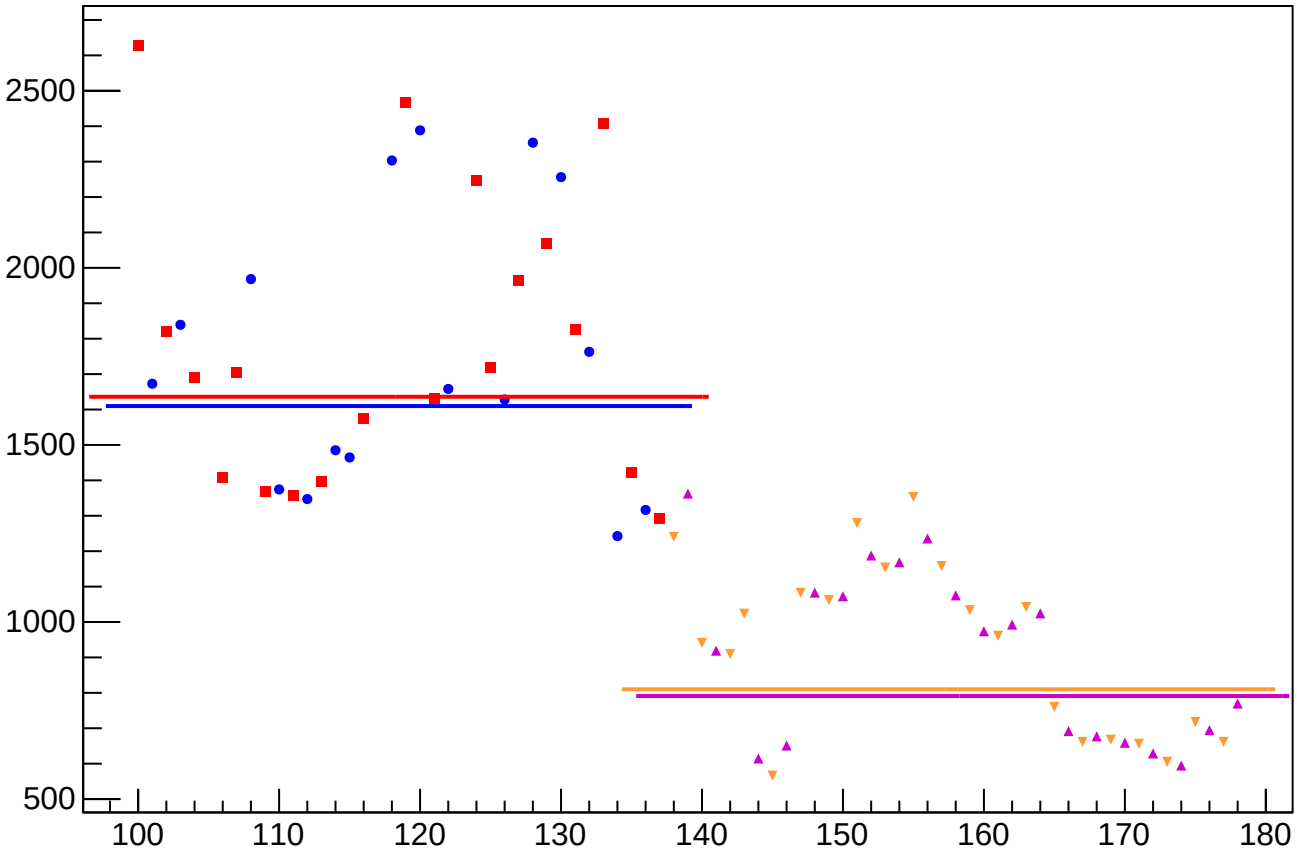
Left: -354.544+/-145.005 χ^2/NDF: 104.8/40

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: 139.319+/-193.270 χ^2/NDF:48.2/35

Out: -723.429+/-195.847 χ^2/NDF:91.6/39

All: -286.341+/-137.564 χ^2/NDF: 149.6/75



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: 790.938+/-0.144 χ^2/NDF:2144168.1/19

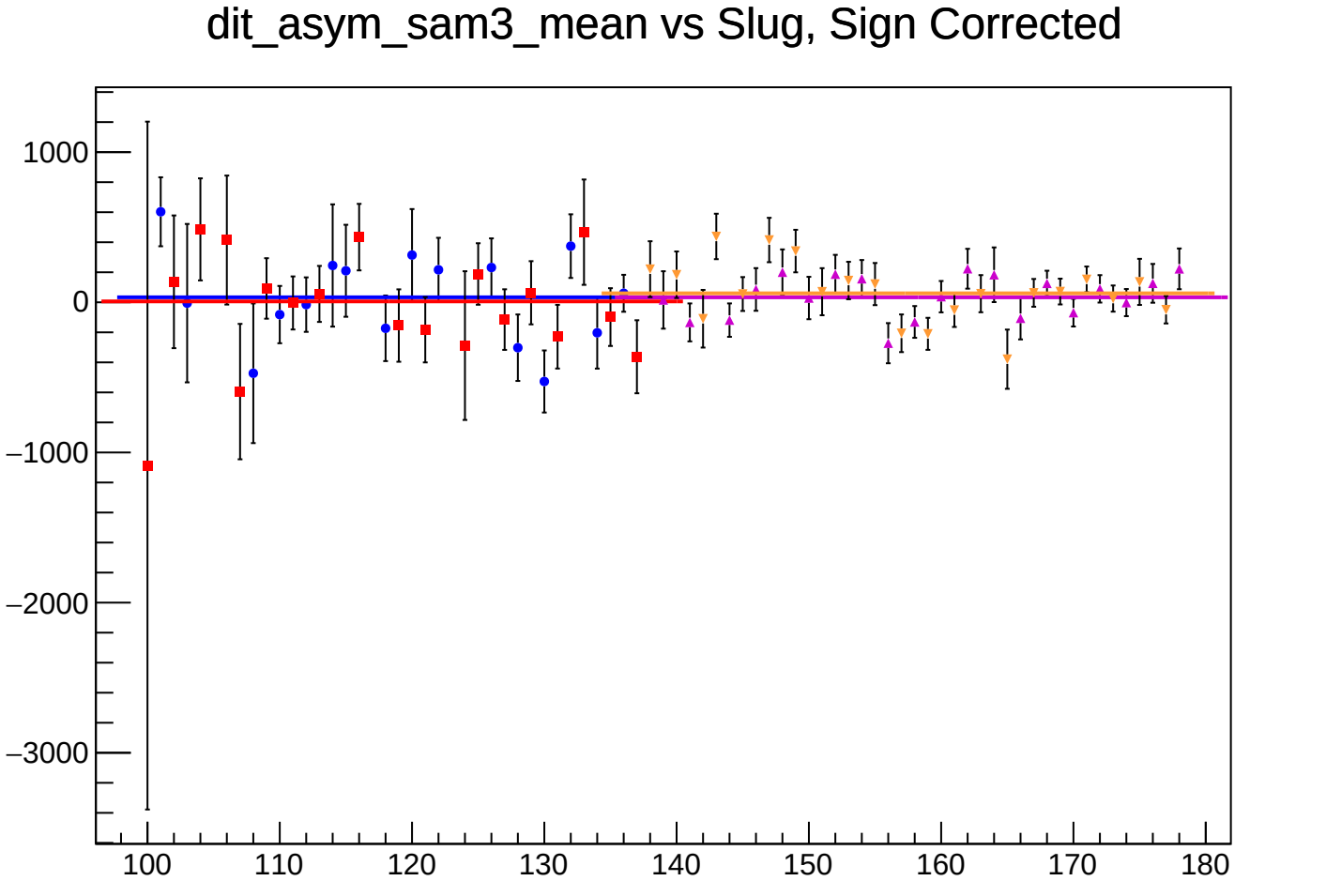
Left: 800.381+/-0.103 χ^2/NDF: 4461608.5/40

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 871.541+/-0.137 χ^2/NDF:5949417.7/35

Out: 894.021+/-0.138 χ^2/NDF:6083128.3/39

All: 882.632+/-0.097 χ^2/NDF: 12045895.4/75



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: 33.261+/-26.462 χ^2/NDF:24.2/19

Left: 46.809+/-18.559 χ^2/NDF: 63.4/40

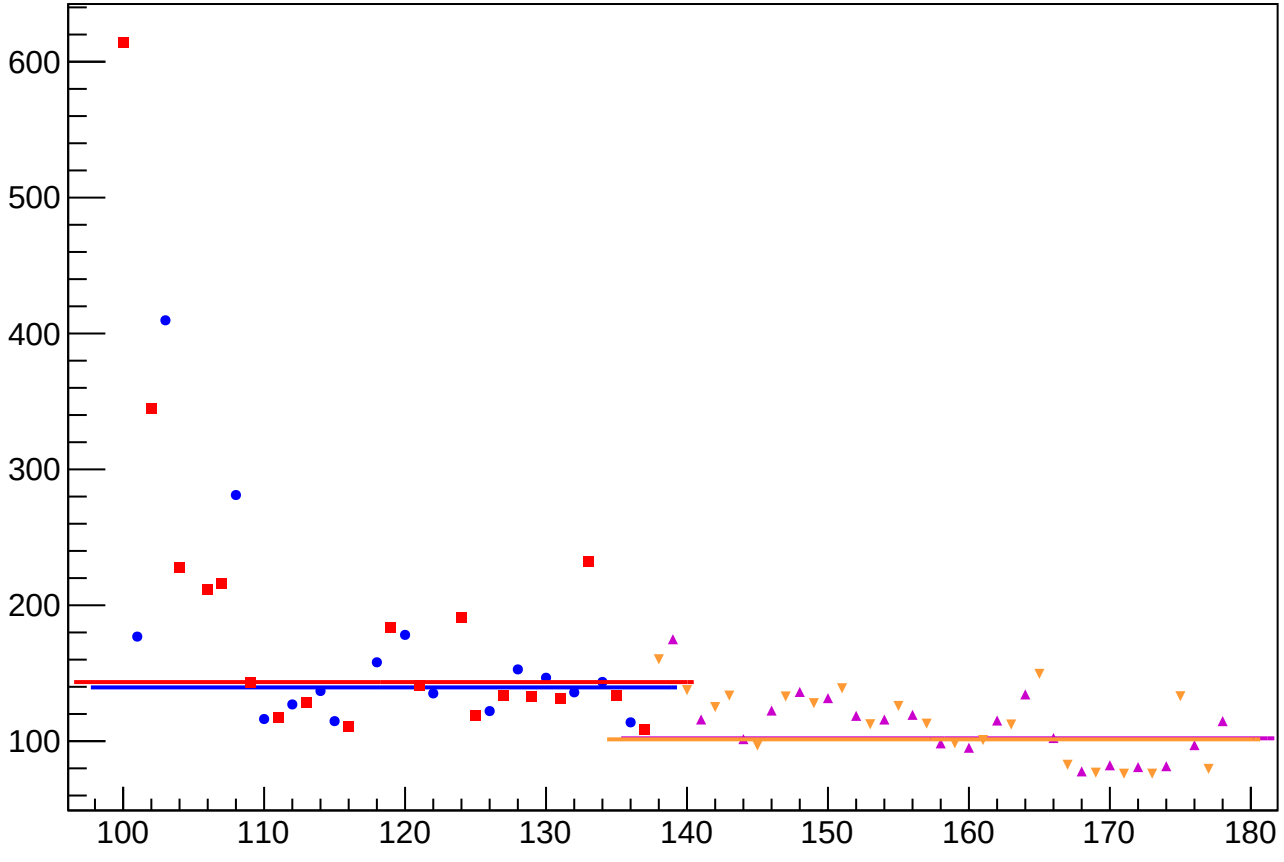
Right: 20.080+/-39.237 χ^2/NDF: 42.6/34

In: 33.301+/-23.838 χ^2/NDF:49.4/35

Out: 50.383+/-23.615 χ^2/NDF:56.7/39

All: 41.922+/-16.777 χ^2/NDF: 106.3/75

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: 102.093+/-0.019 χ^2/NDF:1220345.6/19

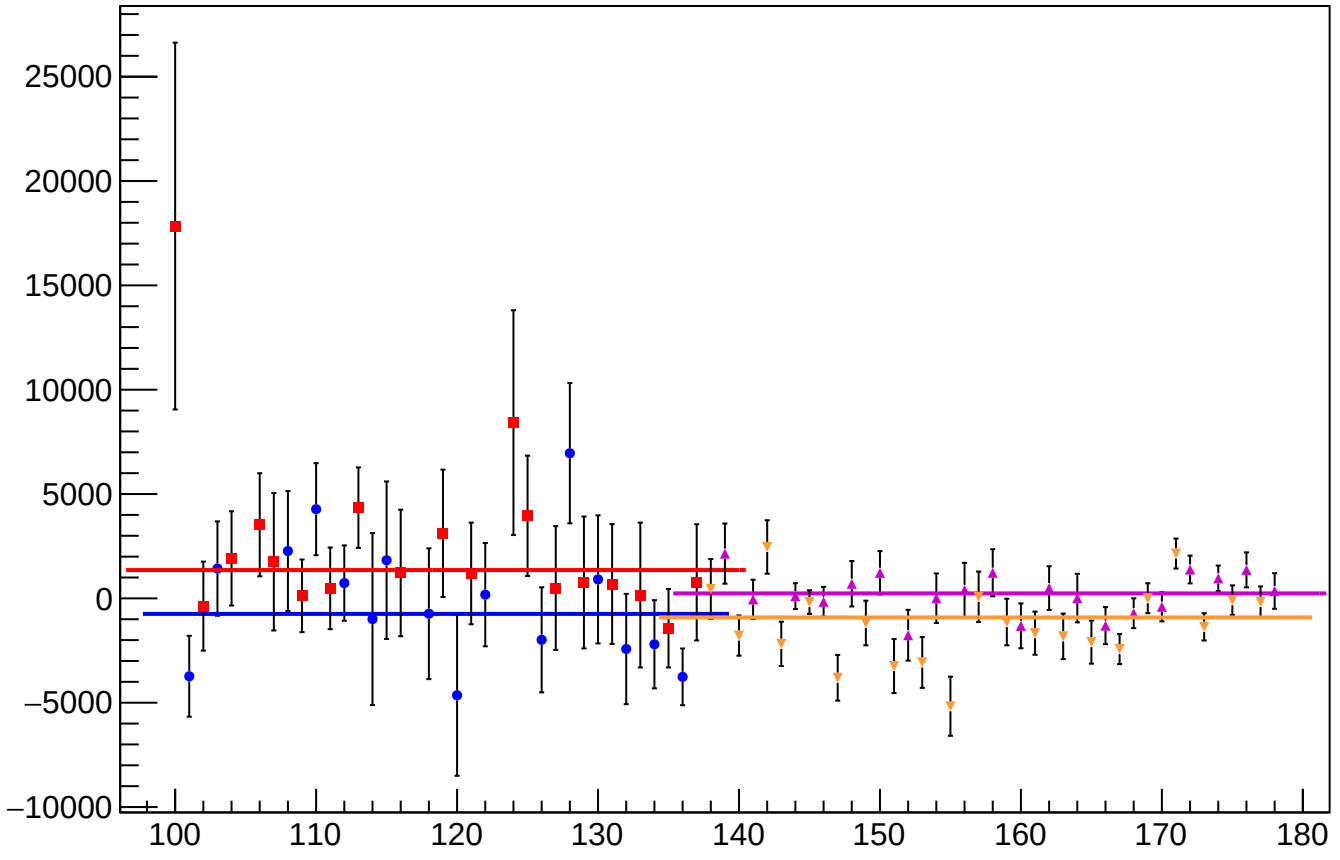
Left: 101.712+/-0.013 χ^2/NDF: 2948144.8/40

Right: 141.481+/-0.028 χ^2/NDF: 2098376.6/34

In: 109.157+/-0.017 χ^2/NDF:2953038.6/35

Out: 108.812+/-0.017 χ^2/NDF:3772236.4/39

All: 108.983+/-0.012 χ^2/NDF: 6725485.3/75



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: 238.368+/-195.224 χ^2/NDF:20.8/19

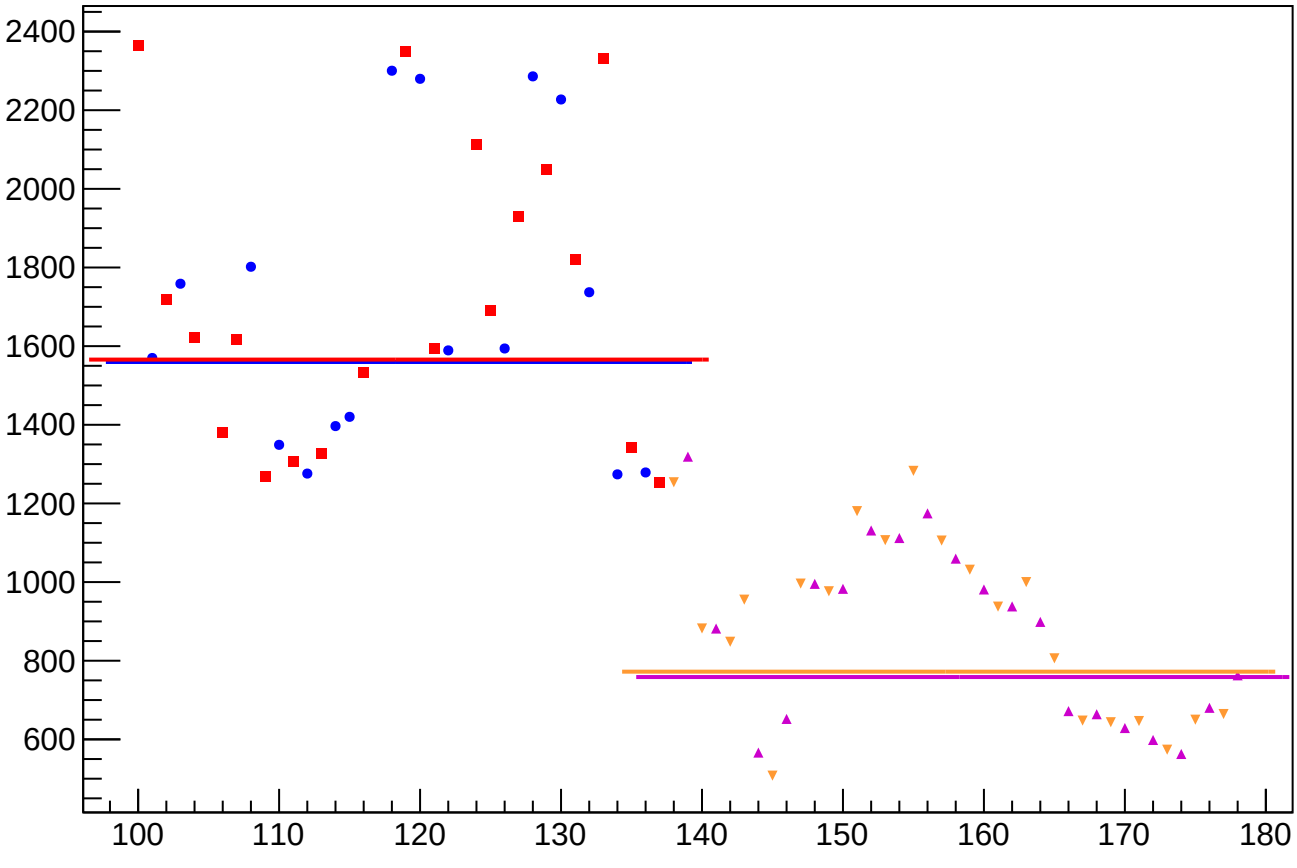
Left: -332.837+/-138.601 χ^2/NDF: 102.6/40

Right: 324.392+/-417.720 χ^2/NDF: 43.3/34

In: 143.059+/-185.519 χ^2/NDF:46.7/35

Out: -683.002+/-186.561 χ^2/NDF:91.6/39

All: -267.656+/-131.549 χ^2/NDF: 148.2/75



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: 758.504+/-0.138 χ^2/NDF:2108309.6/19

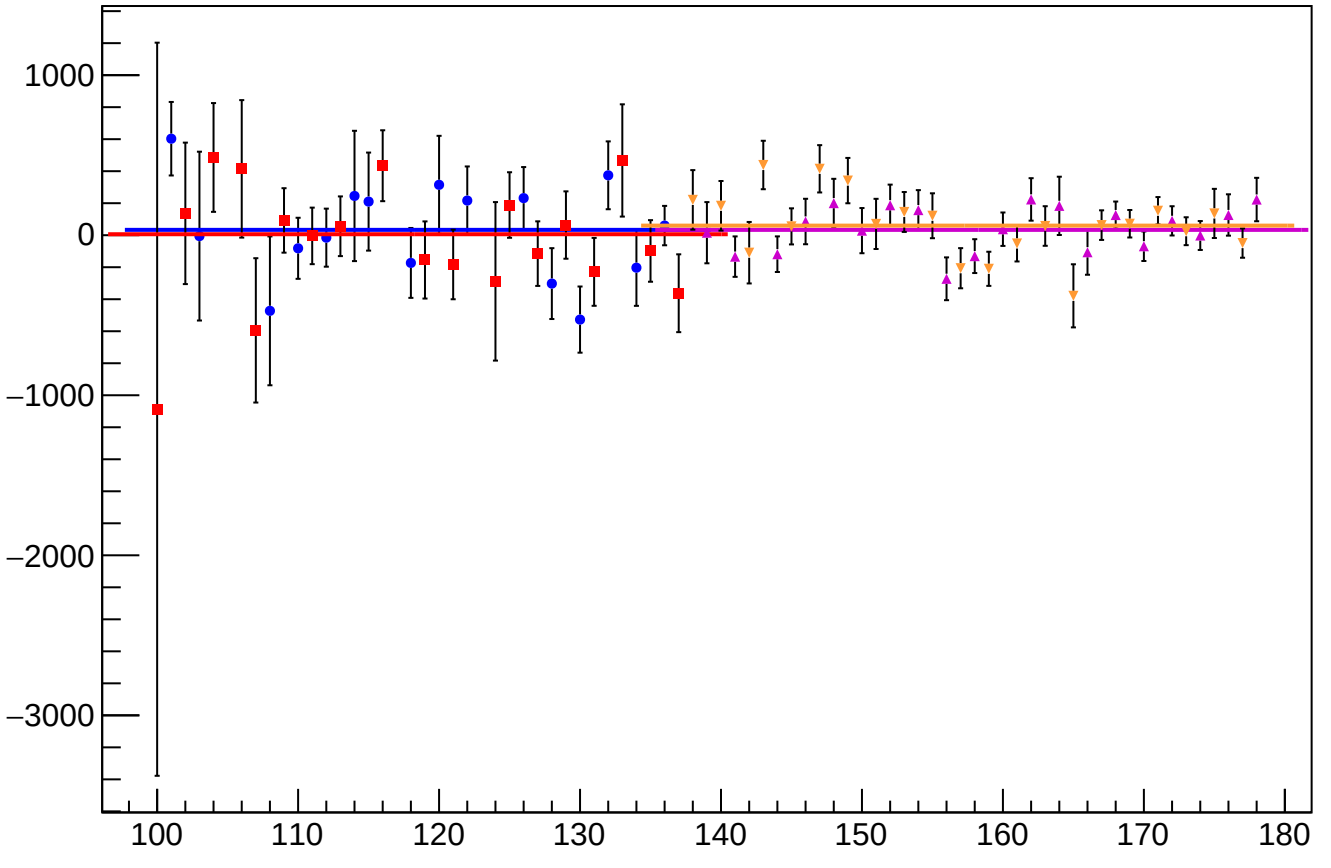
Left: 765.294+/-0.098 χ^2/NDF: 4505009.7/40

Right: 1562.823+/-0.295 χ^2/NDF: 1168163.0/34

In: 836.186+/-0.131 χ^2/NDF:5978702.5/35

Out: 852.684+/-0.132 χ^2/NDF:6254000.0/39

All: 844.389+/-0.093 χ^2/NDF: 12240566.3/75



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: 33.260+/-26.462 χ^2/NDF:24.2/19

Left: 46.808+/-18.559 χ^2/NDF: 63.4/40

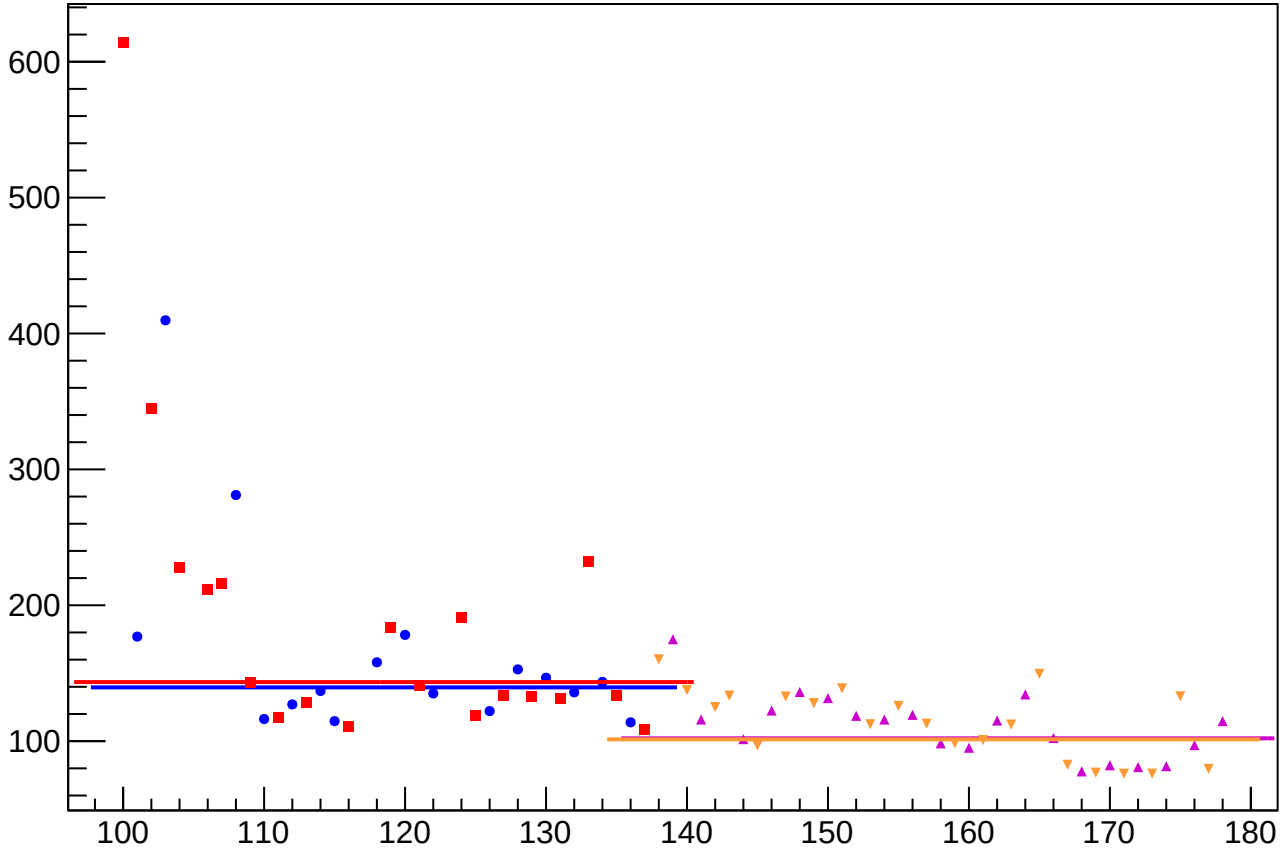
Right: 20.078+/-39.237 χ^2/NDF: 42.6/34

In: 33.299+/-23.838 χ^2/NDF:49.4/35

Out: 50.383+/-23.615 χ^2/NDF:56.7/39

All: 41.921+/-16.777 χ^2/NDF: 106.3/75

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: 102.094+/-0.019 χ^2/NDF:1220359.7/19

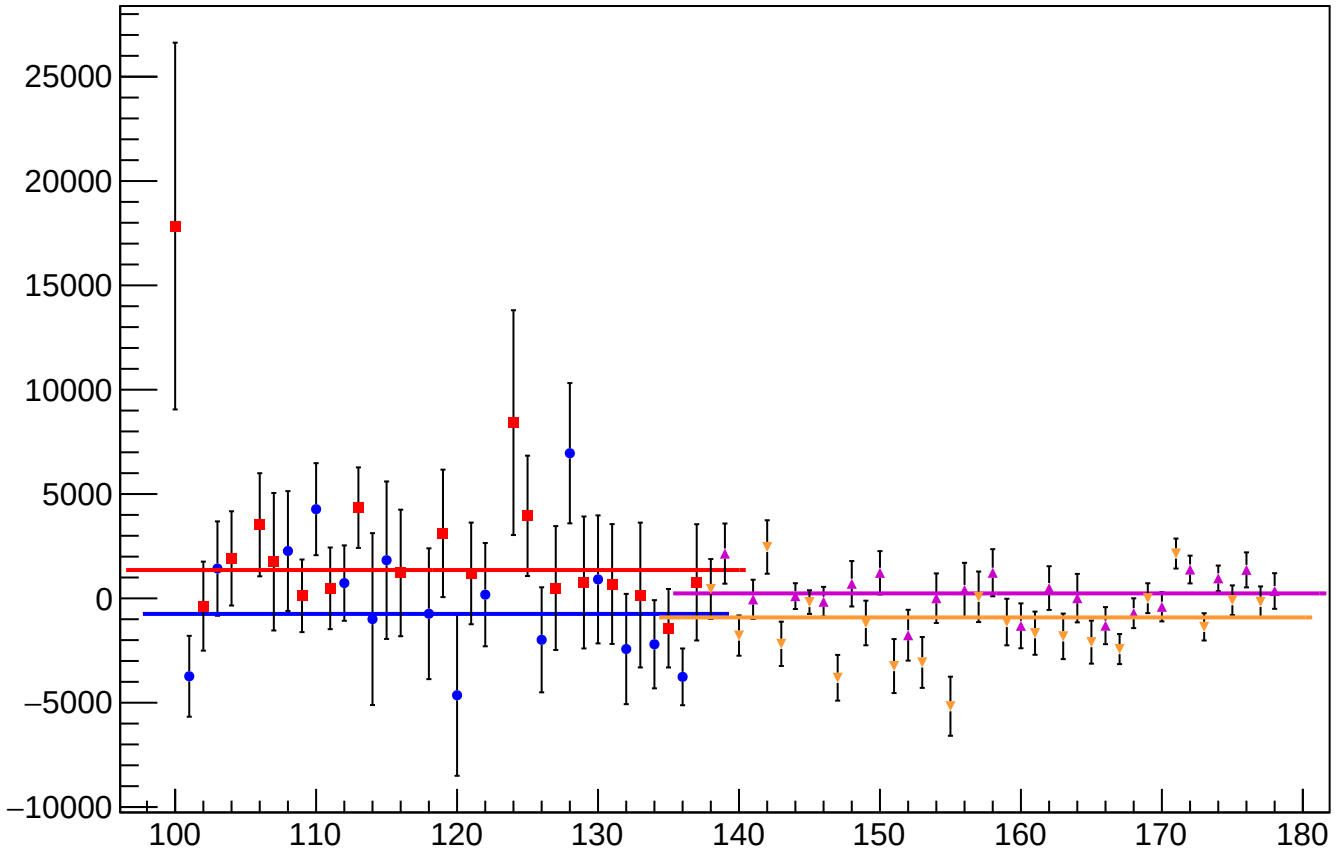
Left: 101.713+/-0.013 χ^2/NDF: 2948183.0/40

Right: 141.482+/-0.028 χ^2/NDF: 2098386.0/34

In: 109.157+/-0.017 χ^2/NDF:2953050.7/35

Out: 108.813+/-0.017 χ^2/NDF:3772267.4/39

All: 108.983+/-0.012 χ^2/NDF: 6725528.4/75



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: 238.367+/-195.223 χ^2/NDF:20.8/19

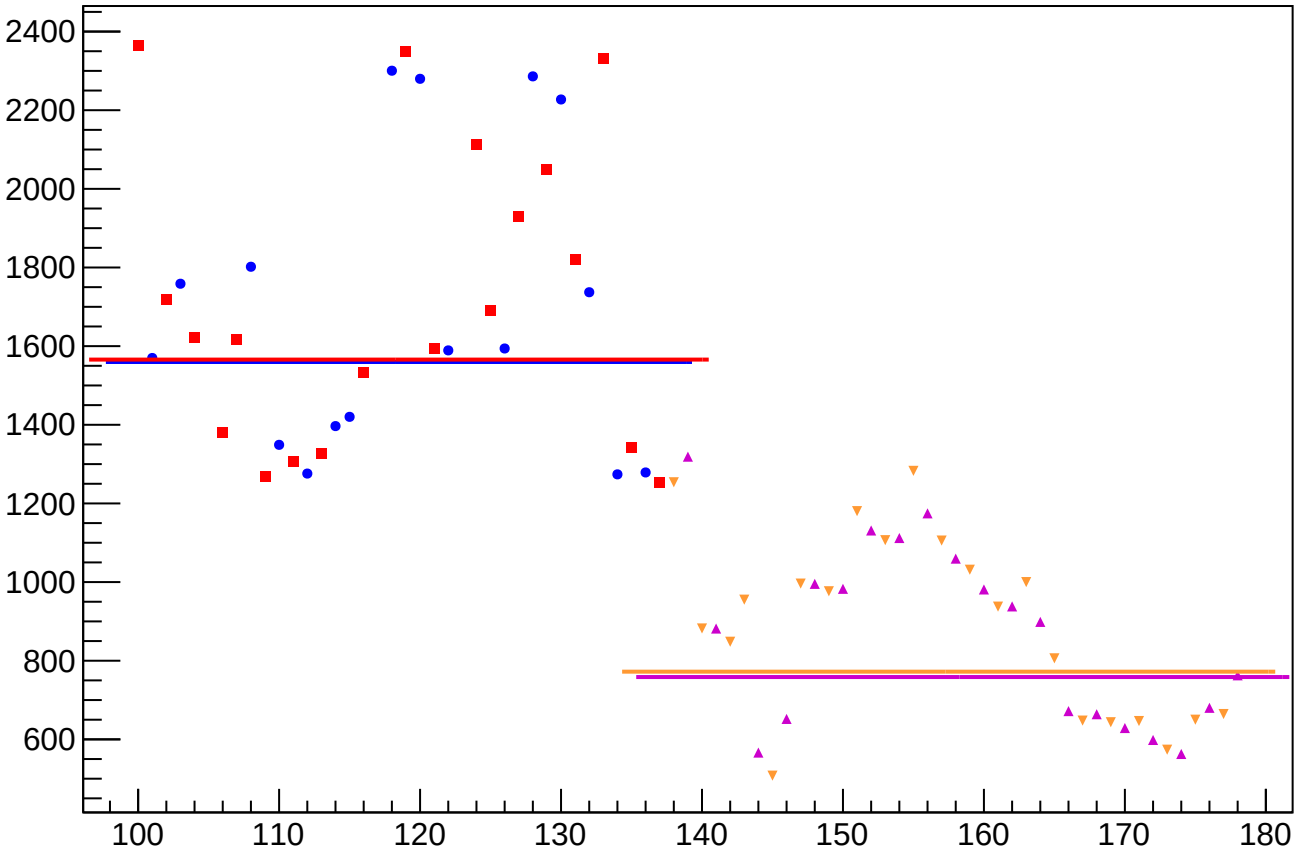
Left: -332.838+/-138.601 χ^2/NDF: 102.6/40

Right: 324.394+/-417.720 χ^2/NDF: 43.3/34

In: 143.058+/-185.519 χ^2/NDF:46.7/35

Out: -683.002+/-186.561 χ^2/NDF:91.6/39

All: -267.657+/-131.549 χ^2/NDF: 148.2/75



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: 758.504+/-0.138 χ^2/NDF:2108304.7/19

Left: 765.293+/-0.098 χ^2/NDF: 4504999.0/40

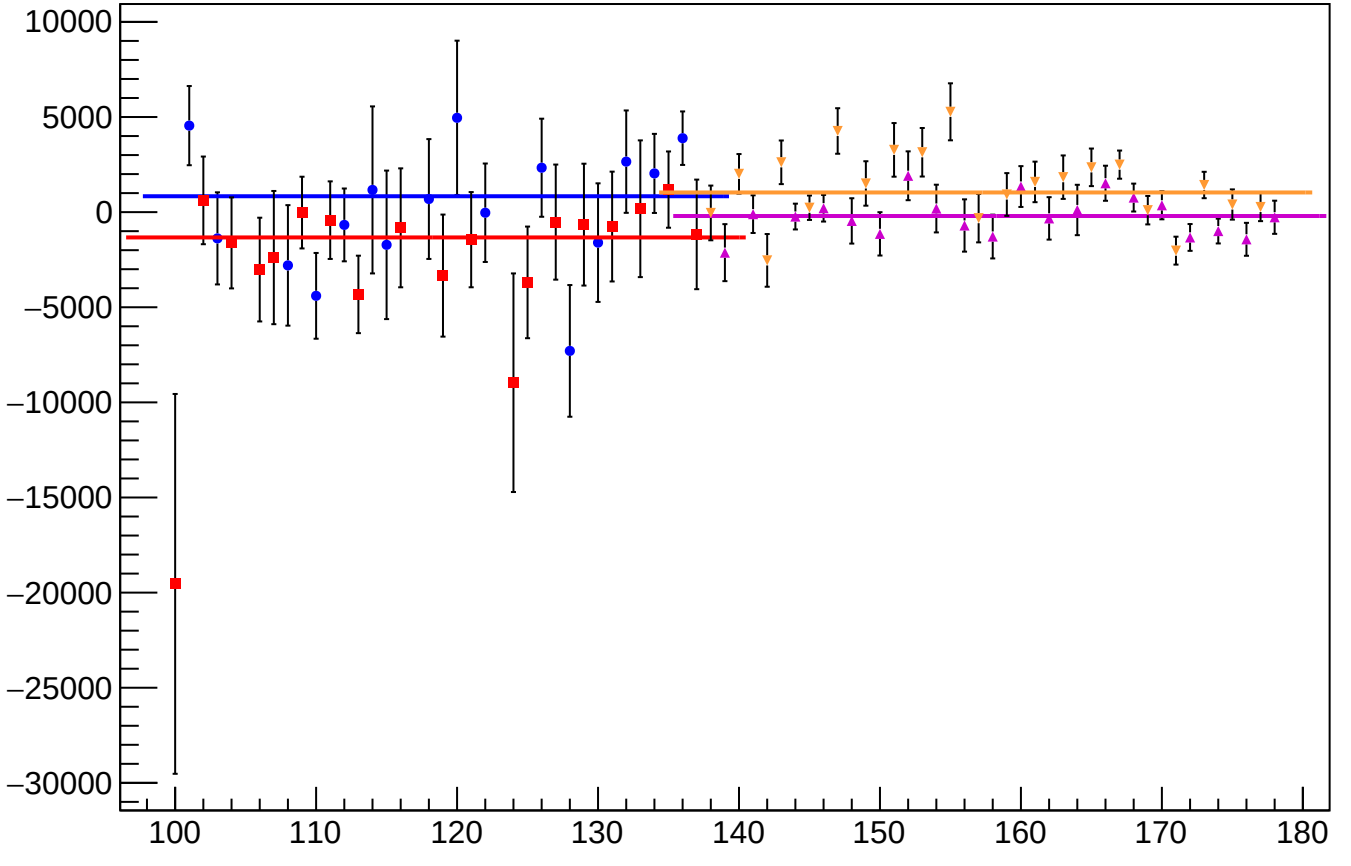
Right: 1562.821+/-0.295 χ^2/NDF: 1168161.1/34

In: 836.185+/-0.131 χ^2/NDF:5978697.3/35

Out: 852.683+/-0.132 χ^2/NDF:6253989.1/39

All: 844.388+/-0.093 χ^2/NDF: 12240550.3/75

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: -203.635+/-204.911 χ^2/NDF:20.6/19

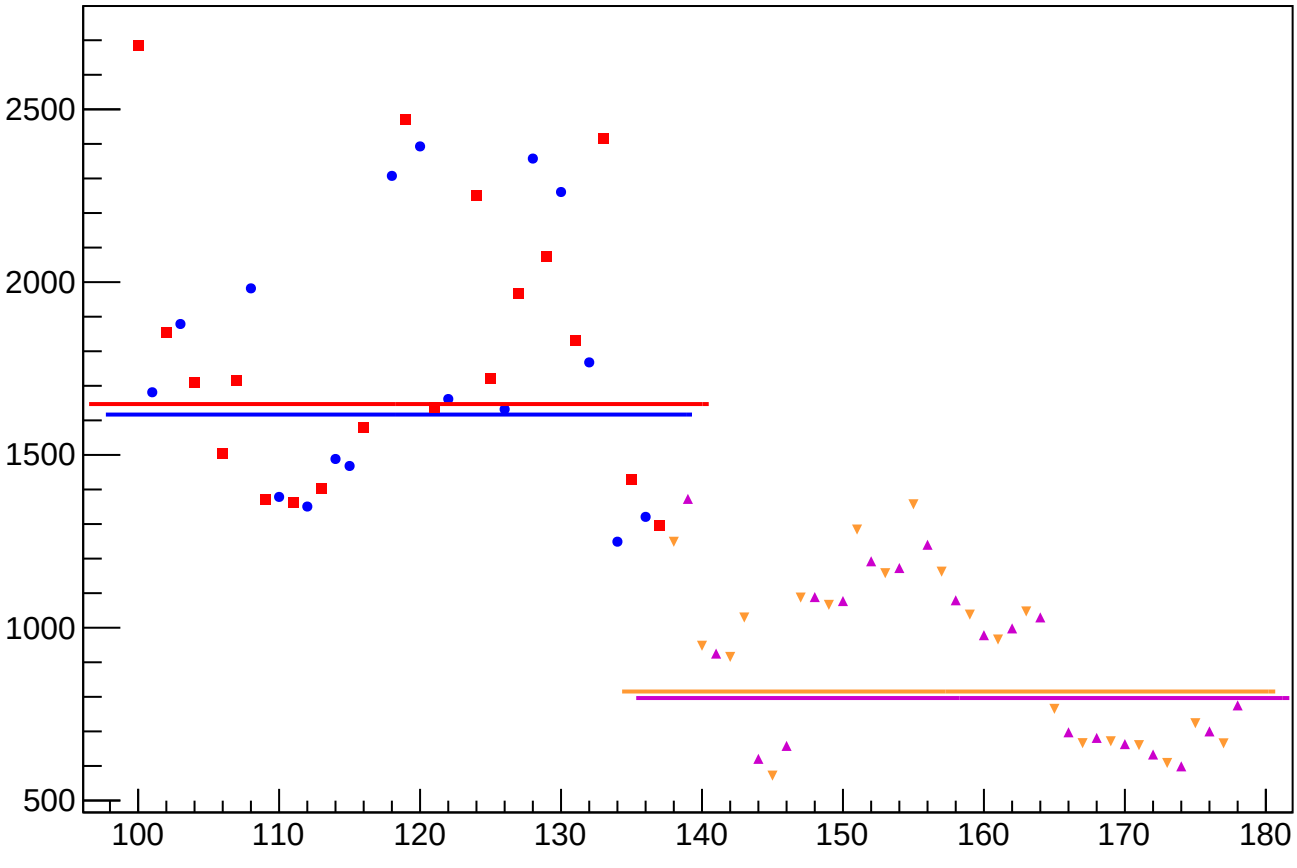
Left: 406.258+/-145.946 χ^2/NDF: 99.3/40

Right: -251.145+/-436.710 χ^2/NDF: 43.2/34

In: -100.943+/-194.523 χ^2/NDF:48.0/35

Out: 792.733+/-197.013 χ^2/NDF:86.1/39

All: 340.212+/-138.420 χ^2/NDF: 144.5/75



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: 796.502+/-0.145 χ^2/NDF:2123720.9/19

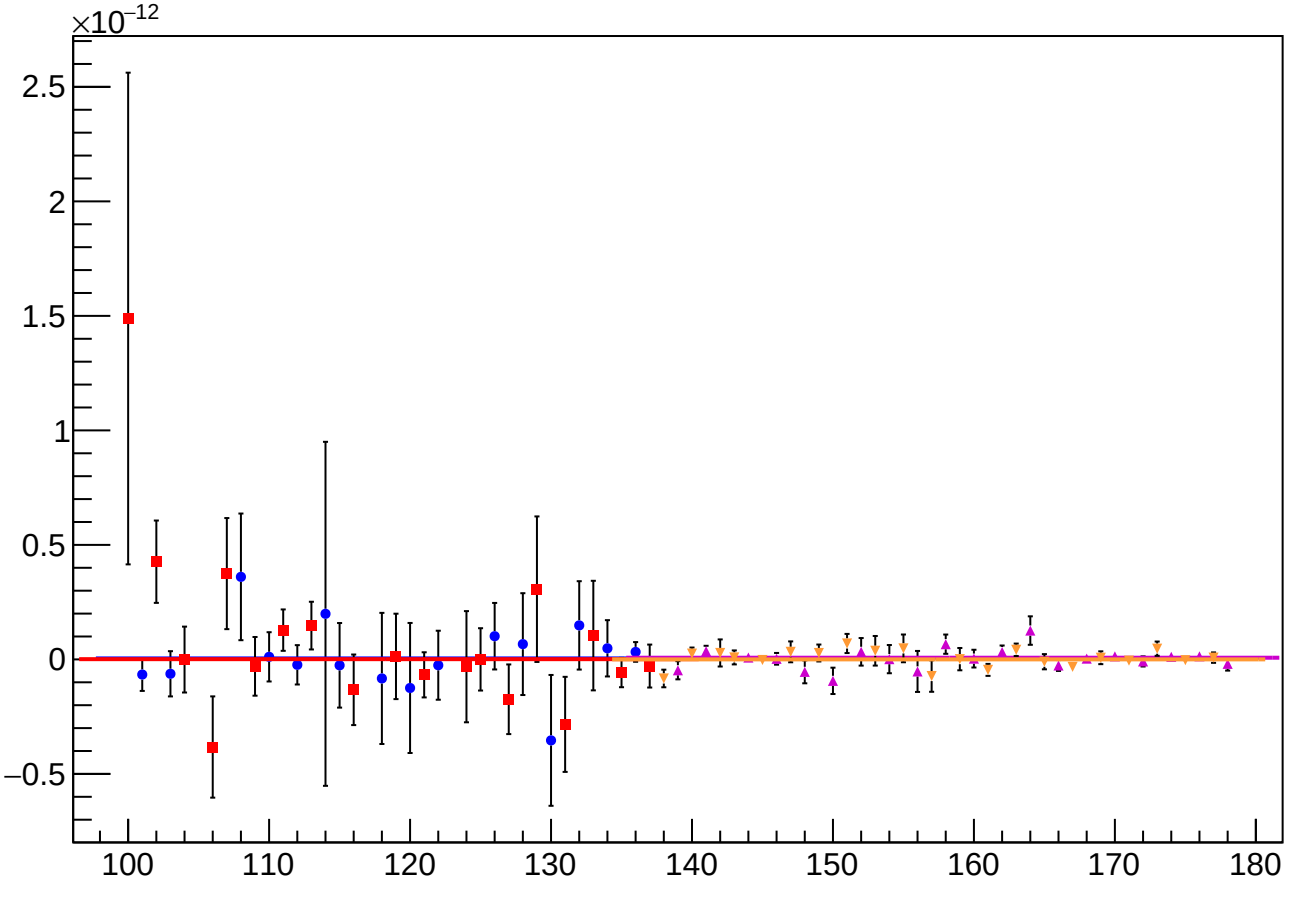
Left: 805.823+/-0.103 χ^2/NDF: 4420754.5/40

Right: 1632.074+/-0.309 χ^2/NDF: 1148558.3/34

In: 877.569+/-0.138 χ^2/NDF:5913467.0/35

Out: 900.385+/-0.139 χ^2/NDF:6082271.5/39

All: 888.832+/-0.098 χ^2/NDF: 12009321.2/75



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:18.9/19

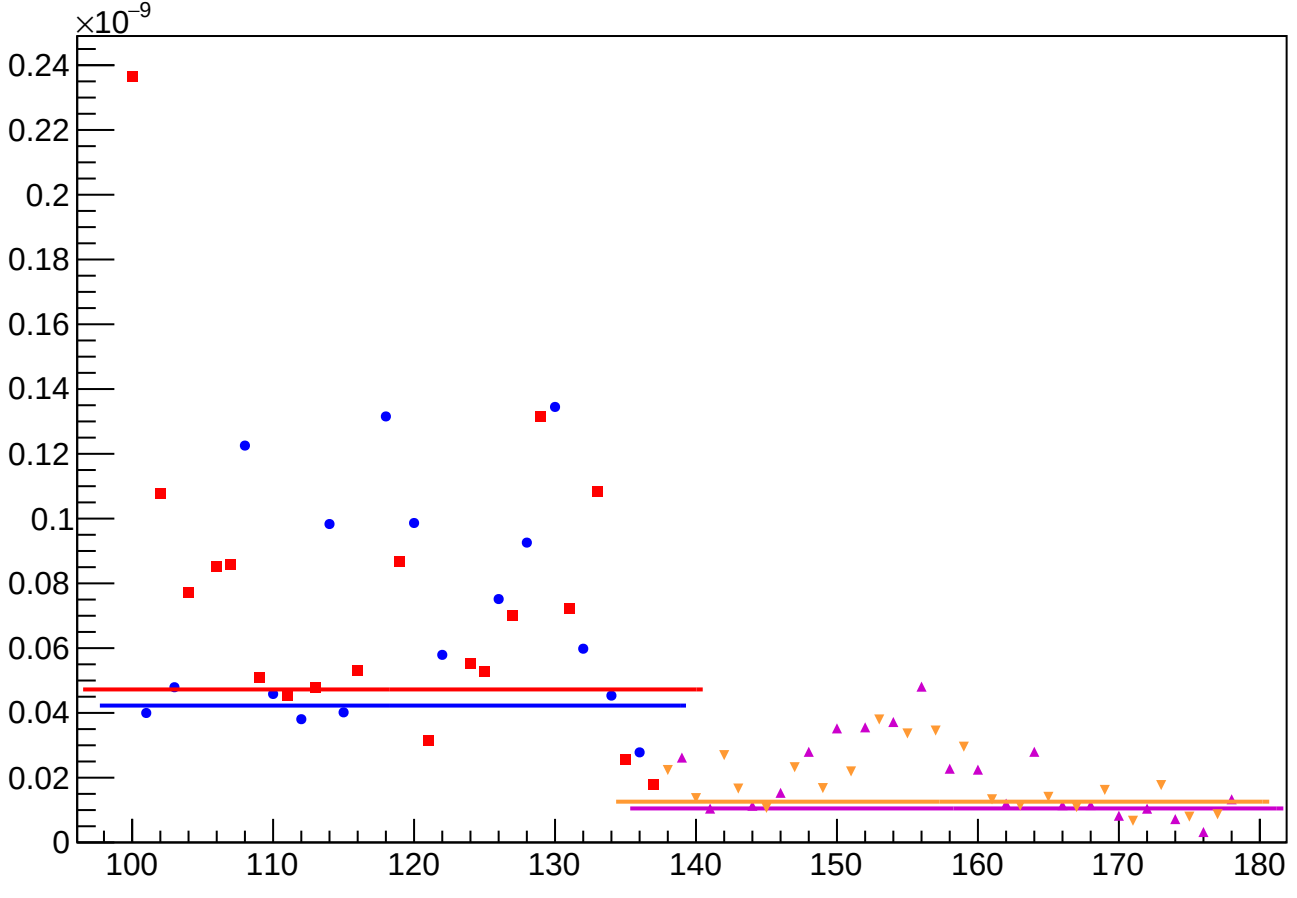
Left: 0.000+/-0.000 χ^2/NDF: 42.5/40

Right: 0.000+/-0.000 χ^2/NDF: 30.3/34

In: 0.000+/-0.000 χ^2/NDF:25.8/35

Out: 0.000+/-0.000 χ^2/NDF:46.2/39

All: 0.000+/-0.000 χ^2/NDF: 72.8/75



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:3607843.8/19

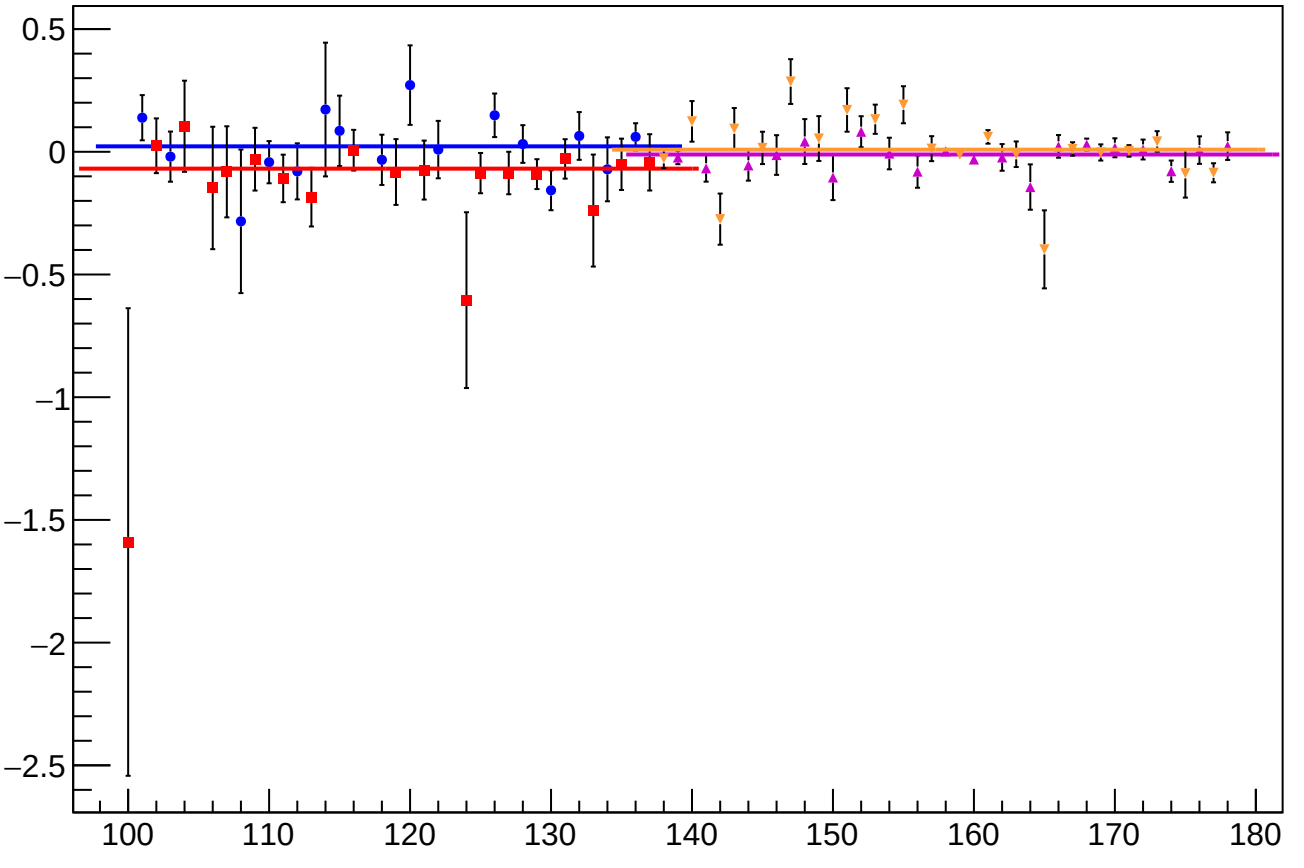
Left: 0.000+/-0.000 χ^2/NDF: 5938840.5/40

Right: 0.000+/-0.000 χ^2/NDF: 2588419.0/34

In: 0.000+/-0.000 χ^2/NDF:7371829.9/35

Out: 0.000+/-0.000 χ^2/NDF:6126024.0/39

All: 0.000+/-0.000 χ^2/NDF: 13647367.0/75



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: -0.011+/-0.008 χ^2/NDF:17.7/19

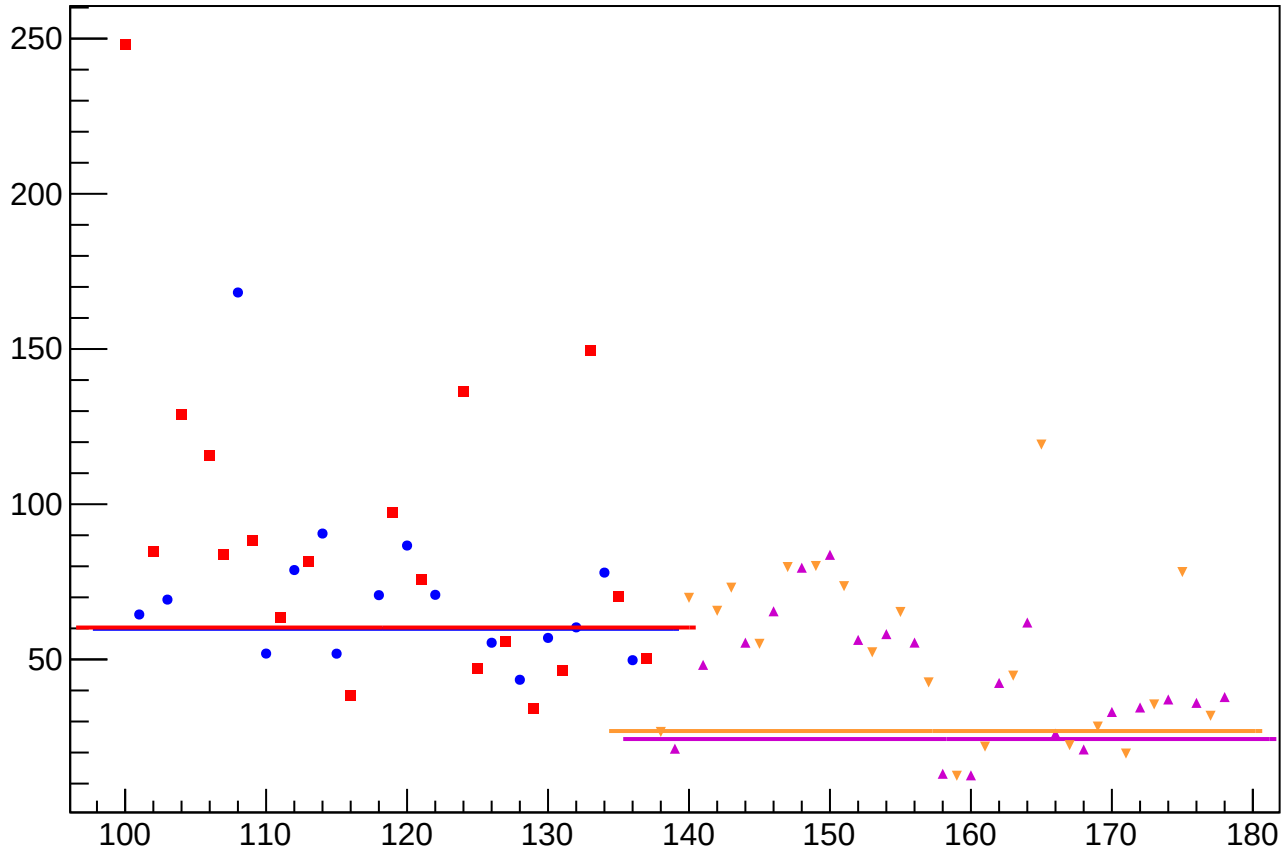
Left: -0.002+/-0.006 χ^2/NDF: 74.4/40

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.008+/-0.008 χ^2/NDF:34.8/35

Out: 0.001+/-0.008 χ^2/NDF:71.9/39

All: -0.004+/-0.006 χ^2/NDF: 107.3/75



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: 24.352+/-0.006 χ^2/NDF:7693560.5/19

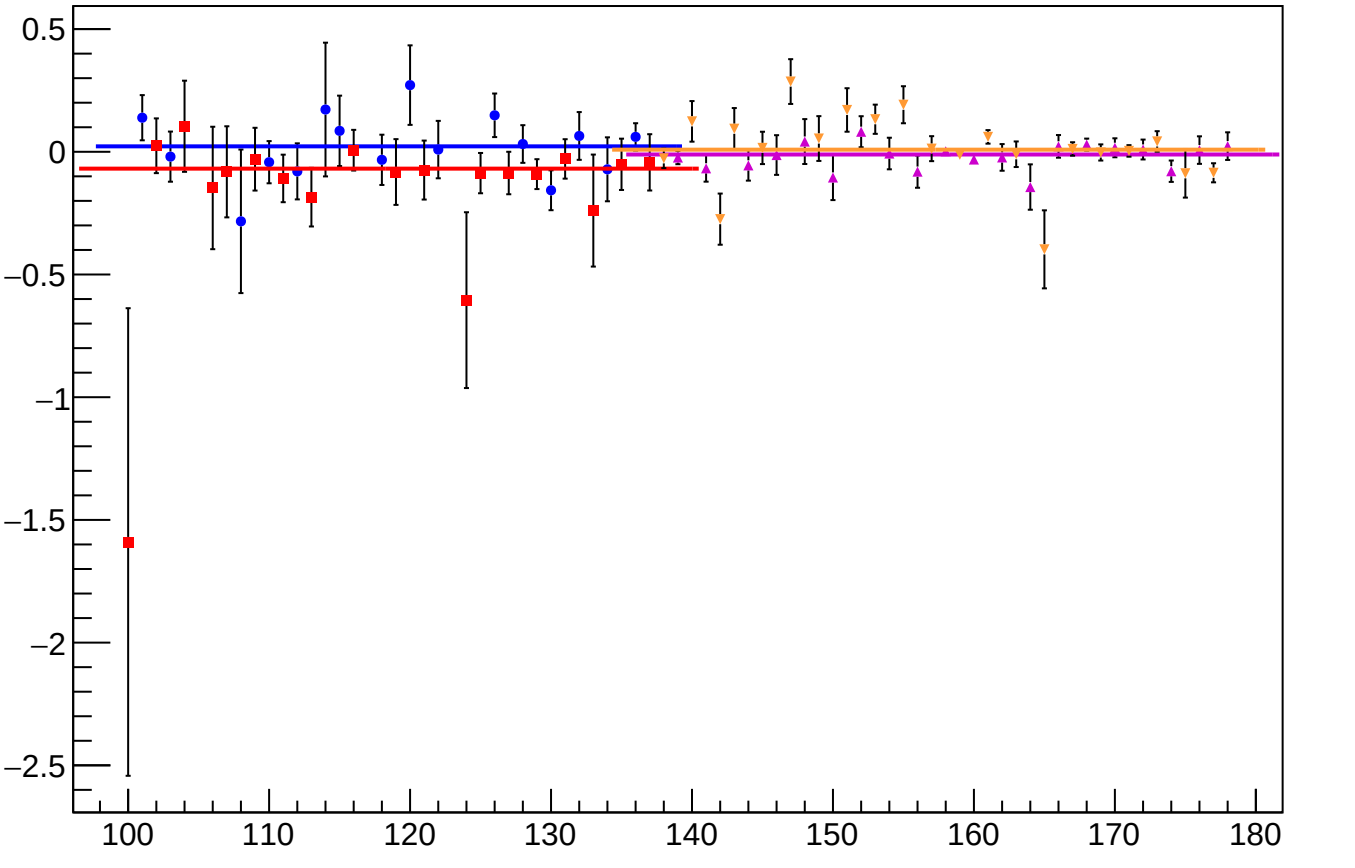
Left: 25.554+/-0.004 χ^2/NDF: 16157432.9/40

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 27.703+/-0.005 χ^2/NDF:12145097.7/35

Out: 30.337+/-0.006 χ^2/NDF:13468333.3/39

All: 28.937+/-0.004 χ^2/NDF: 25726496.0/75



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: -0.011+/-0.008 χ^2/NDF:17.7/19

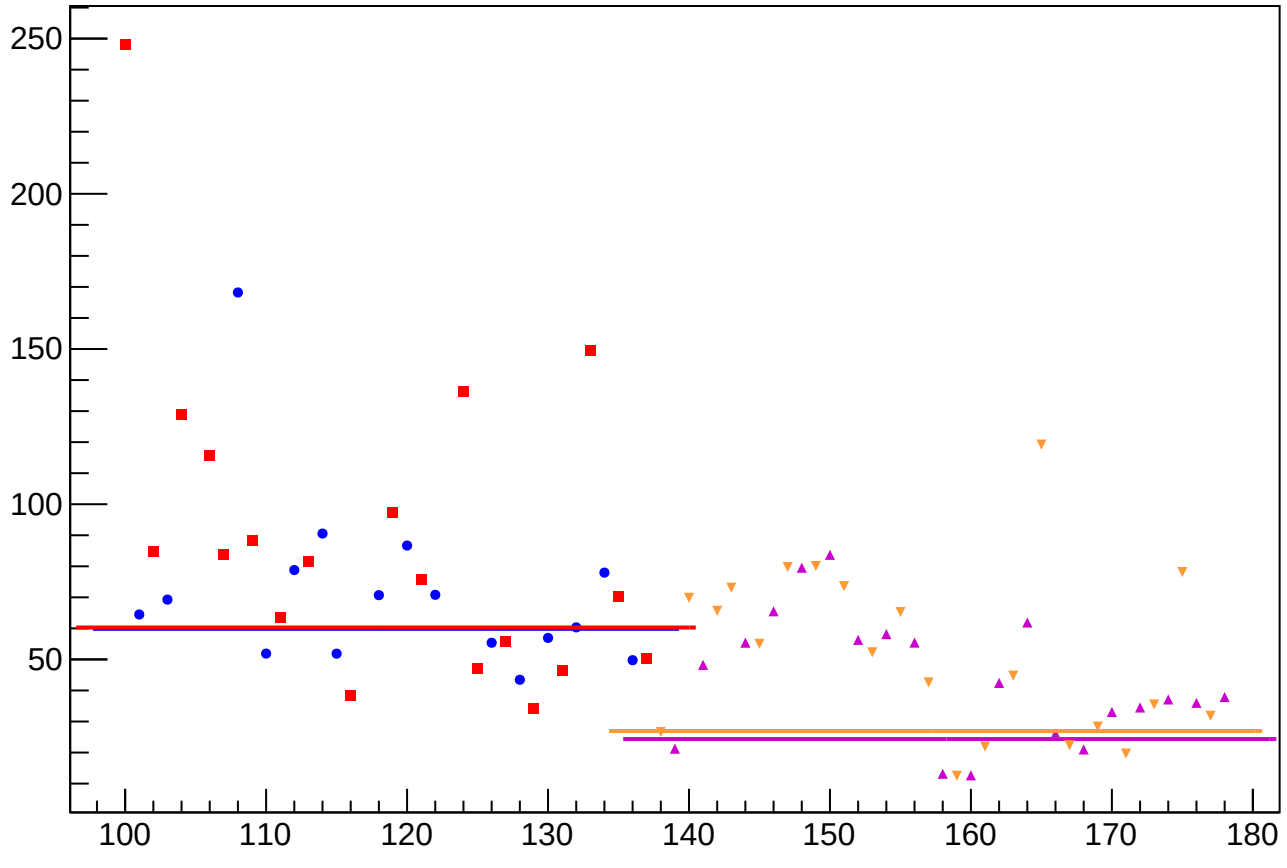
Left: -0.002+/-0.006 χ^2/NDF: 74.4/40

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.008+/-0.008 χ^2/NDF:34.8/35

Out: 0.001+/-0.008 χ^2/NDF:71.9/39

All: -0.004+/-0.006 χ^2/NDF: 107.3/75



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: 24.352+/-0.006 χ^2/NDF:7693560.5/19

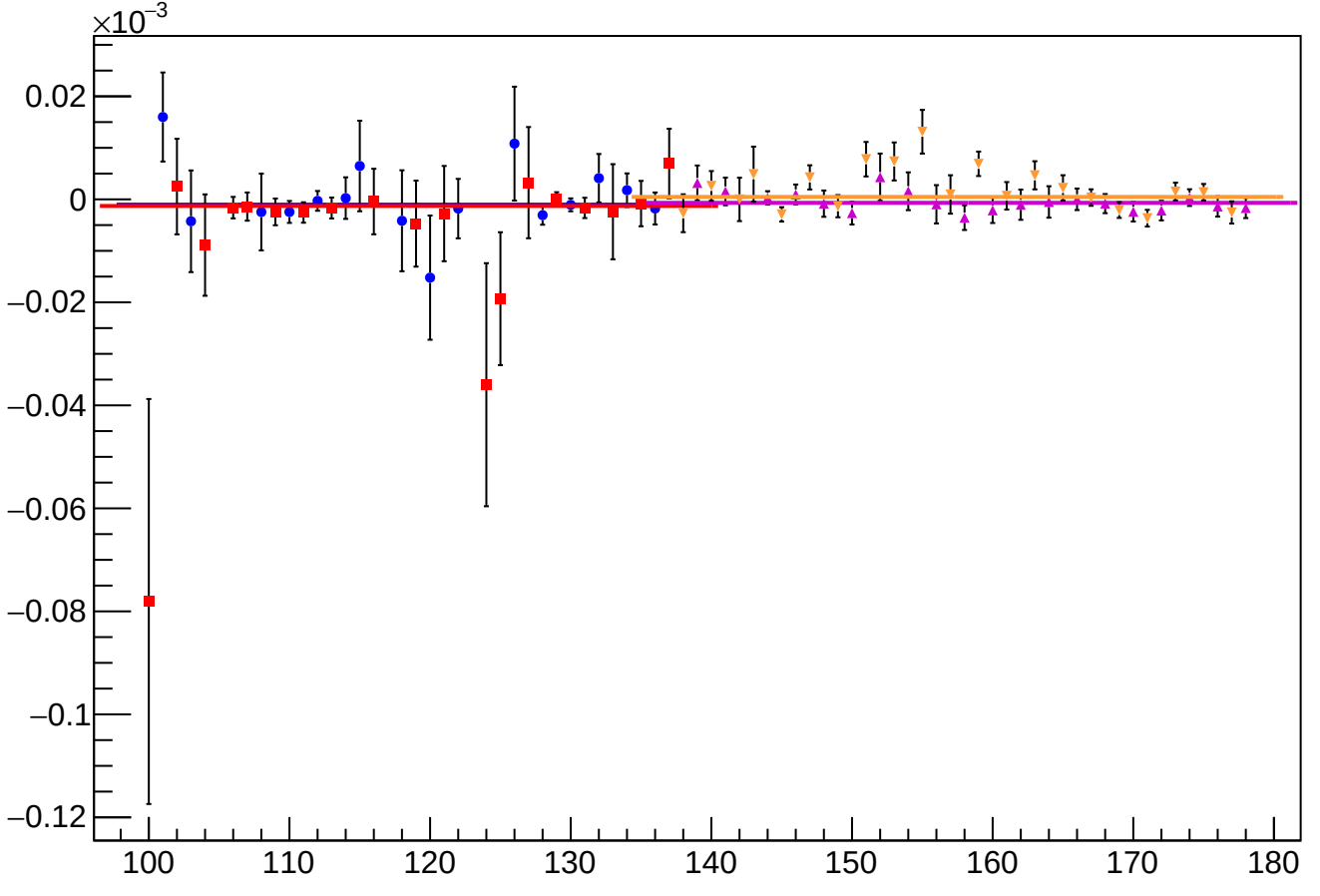
Left: 25.554+/-0.004 χ^2/NDF: 16157432.9/40

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 27.703+/-0.005 χ^2/NDF:12145097.7/35

Out: 30.337+/-0.006 χ^2/NDF:13468333.3/39

All: 28.937+/-0.004 χ^2/NDF: 25726496.0/75



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:9.7/19

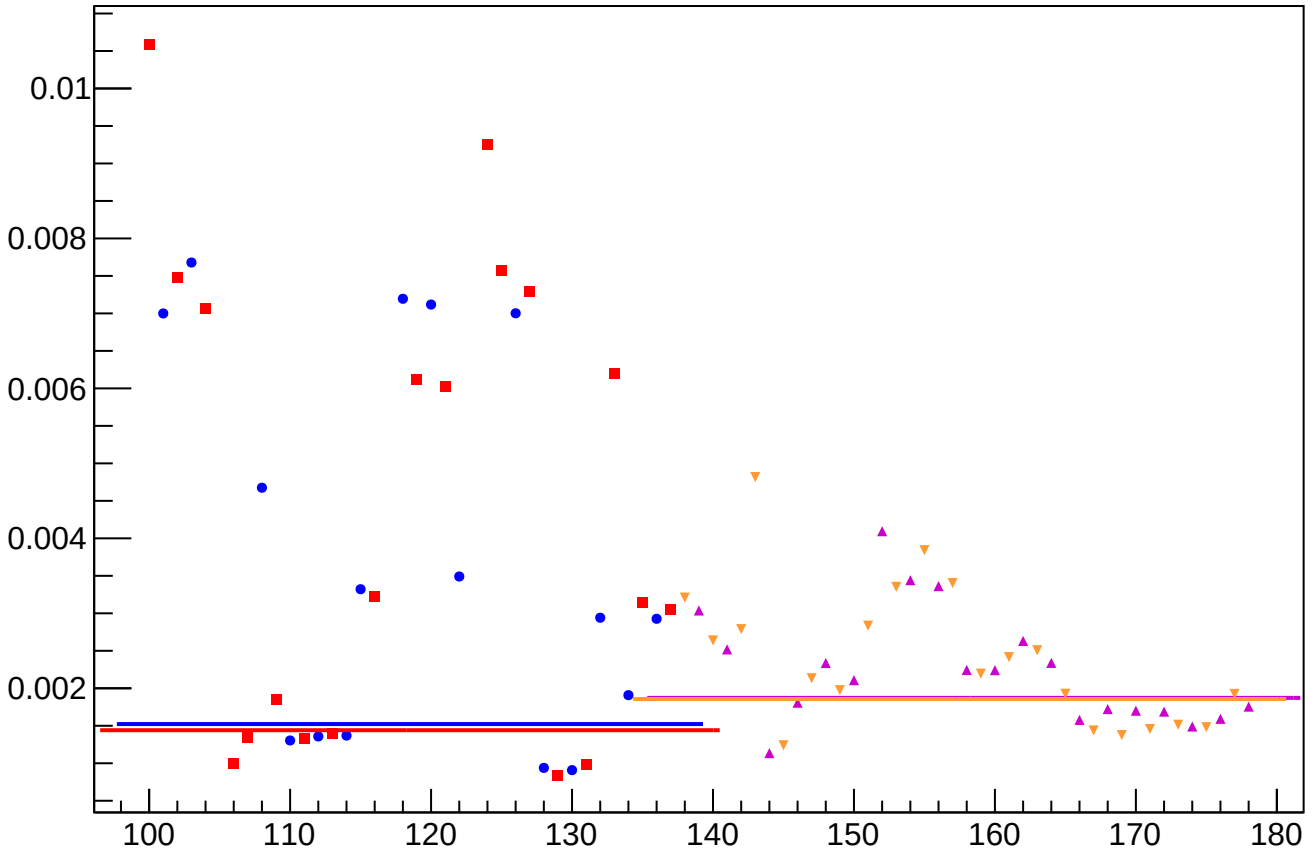
Left: -0.000+/-0.000 χ^2/NDF: 62.9/40

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:21.2/35

Out: -0.000+/-0.000 χ^2/NDF:67.2/39

All: -0.000+/-0.000 χ^2/NDF: 89.7/75



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:2756090.1/19

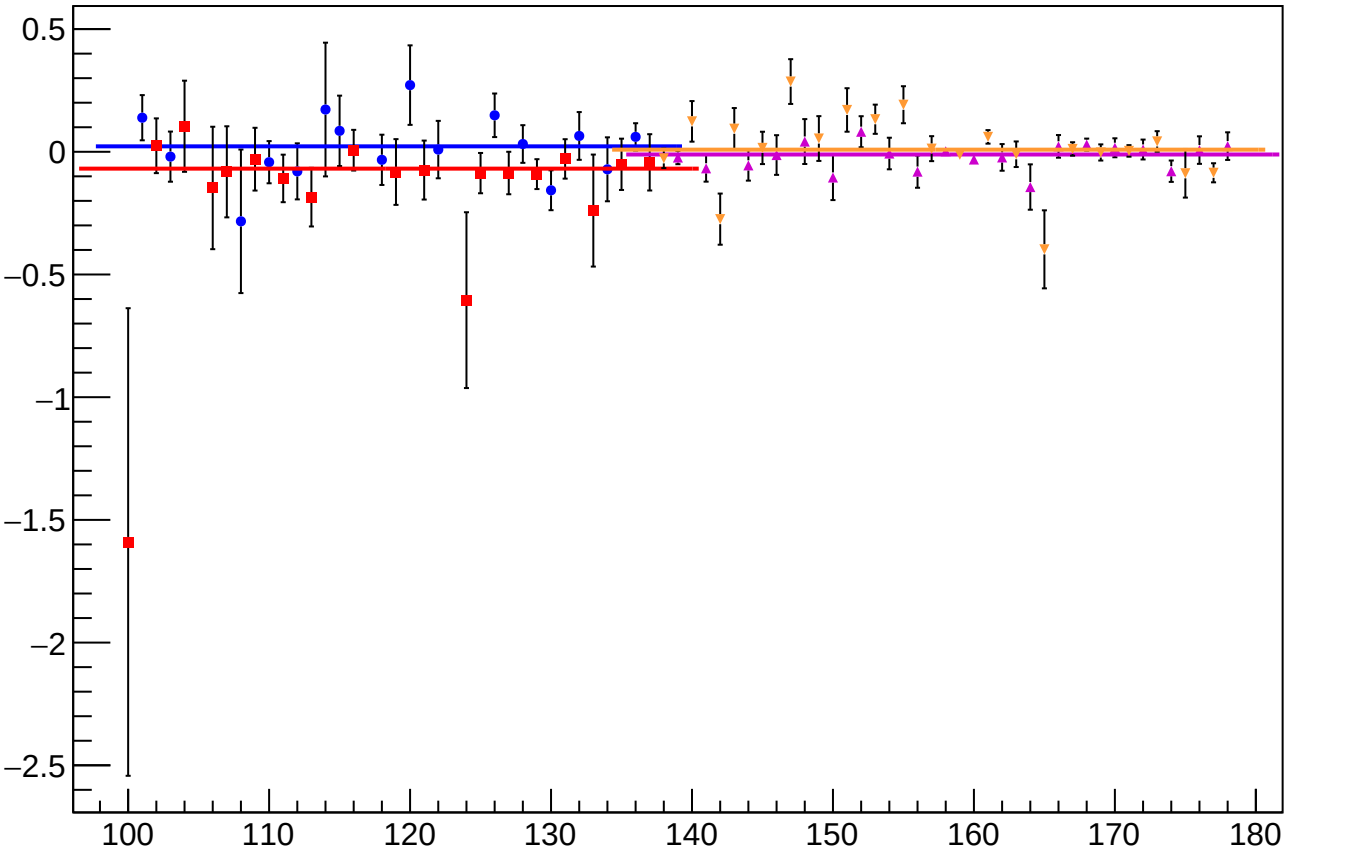
Left: 0.002+/-0.000 χ^2/NDF: 6477892.4/40

Right: 0.001+/-0.000 χ^2/NDF: 10985380.1/34

In: 0.002+/-0.000 χ^2/NDF:8248928.9/35

Out: 0.002+/-0.000 χ^2/NDF:9988089.1/39

All: 0.002+/-0.000 χ^2/NDF: 18248924.8/75



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: -0.011+/-0.008 χ^2/NDF:17.7/19

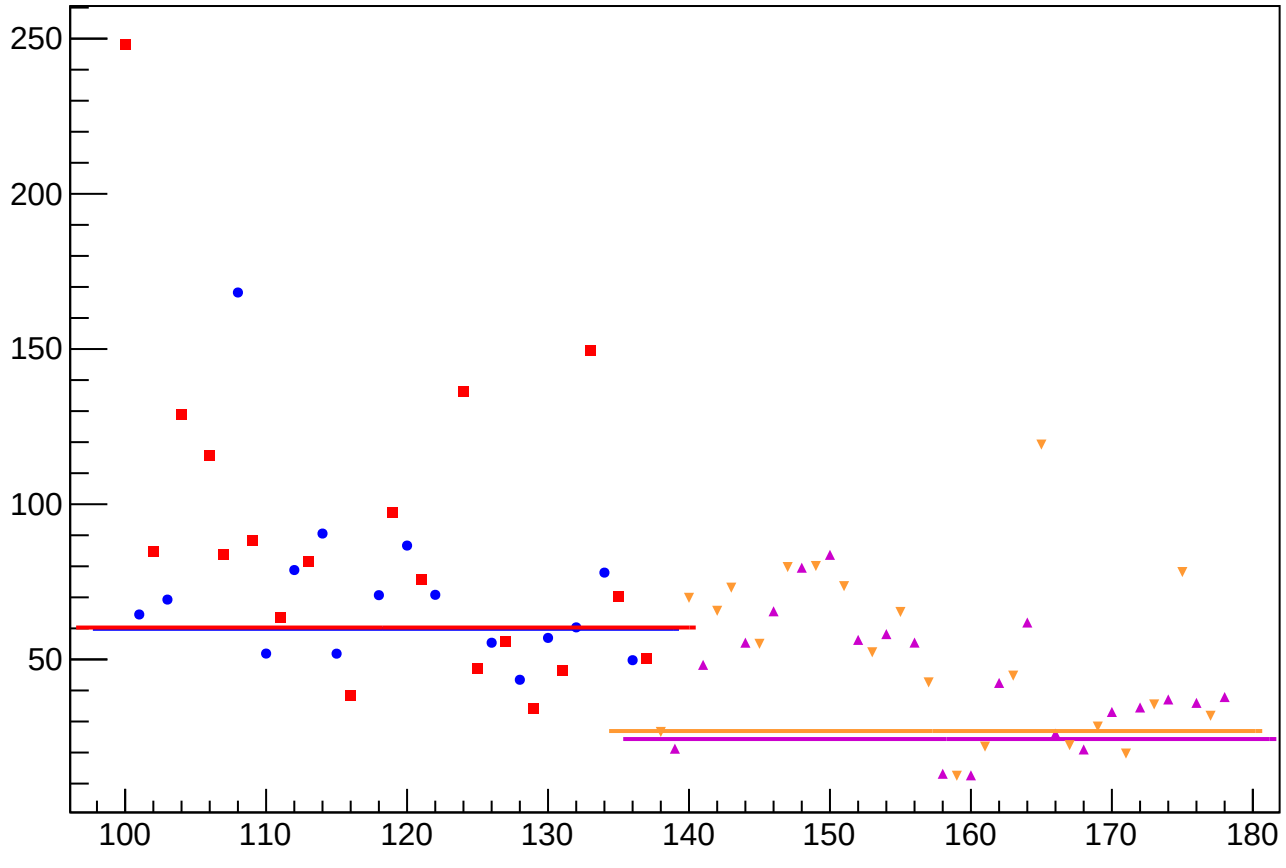
Left: -0.002+/-0.006 χ^2/NDF: 74.4/40

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.008+/-0.008 χ^2/NDF:34.8/35

Out: 0.001+/-0.008 χ^2/NDF:71.9/39

All: -0.004+/-0.006 χ^2/NDF: 107.3/75



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: 24.351+/-0.006 χ^2/NDF:7694040.5/19

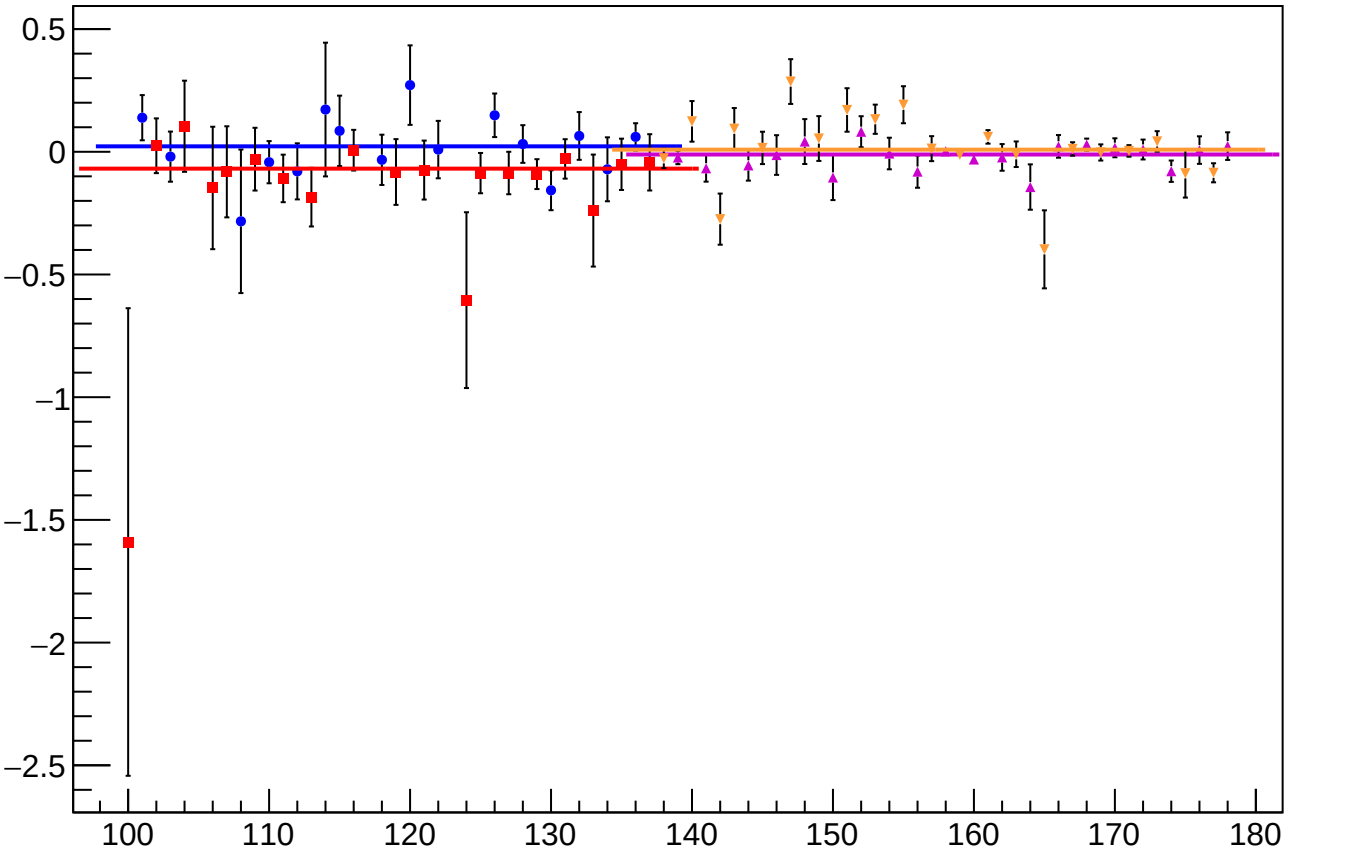
Left: 25.554+/-0.004 χ^2/NDF: 16158825.3/40

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 27.703+/-0.005 χ^2/NDF:12145773.9/35

Out: 30.336+/-0.006 χ^2/NDF:13469640.8/39

All: 28.936+/-0.004 χ^2/NDF: 25728410.7/75



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: -0.011+/-0.008 χ^2/NDF:17.7/19

Left: -0.002+/-0.006 χ^2/NDF: 74.4/40

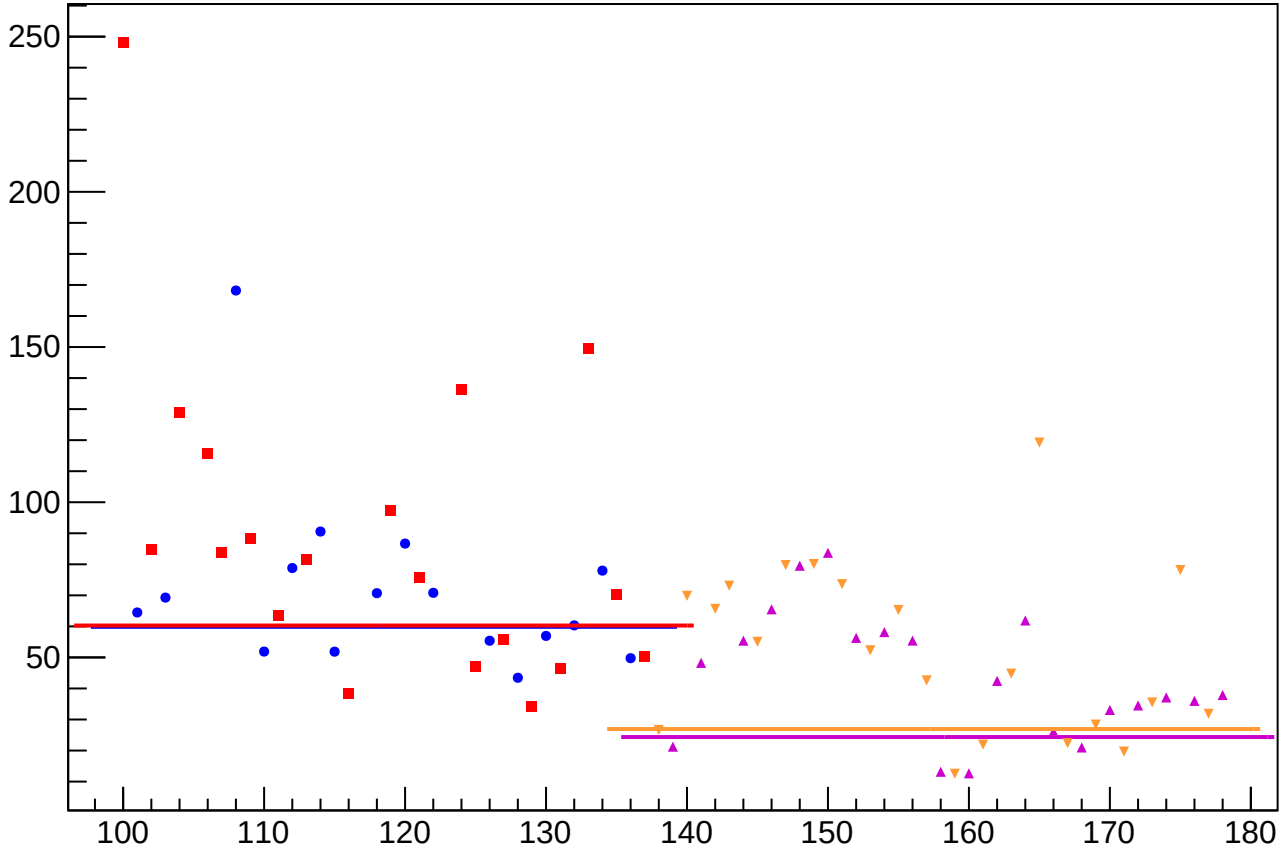
Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.008+/-0.008 χ^2/NDF:34.8/35

Out: 0.001+/-0.008 χ^2/NDF:71.9/39

All: -0.004+/-0.006 χ^2/NDF: 107.3/75

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 26.931+/-0.006 χ^2/NDF:8367010.8/20

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 24.351+/-0.006 χ^2/NDF:7694040.5/19

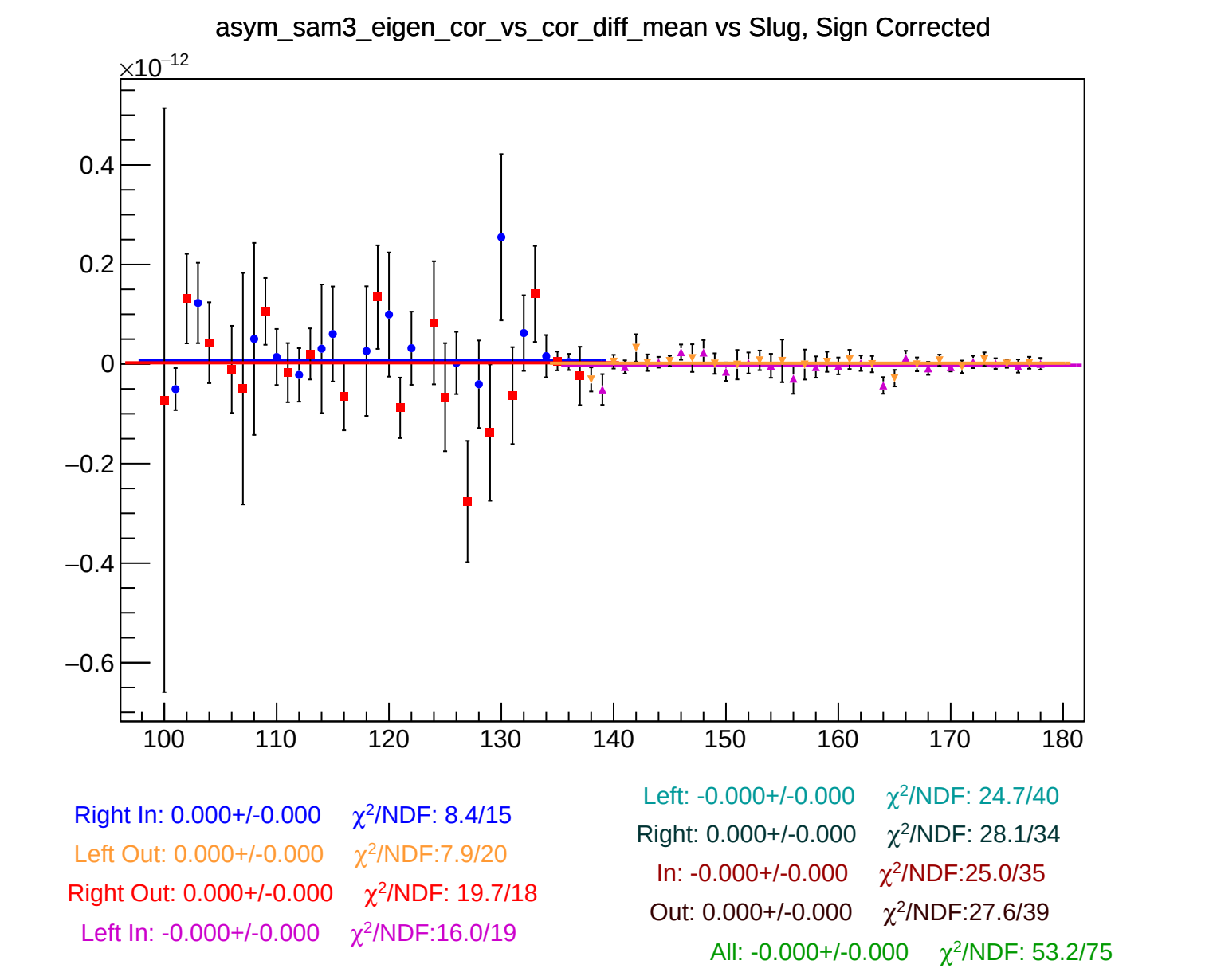
Left: 25.554+/-0.004 χ^2/NDF: 16158825.3/40

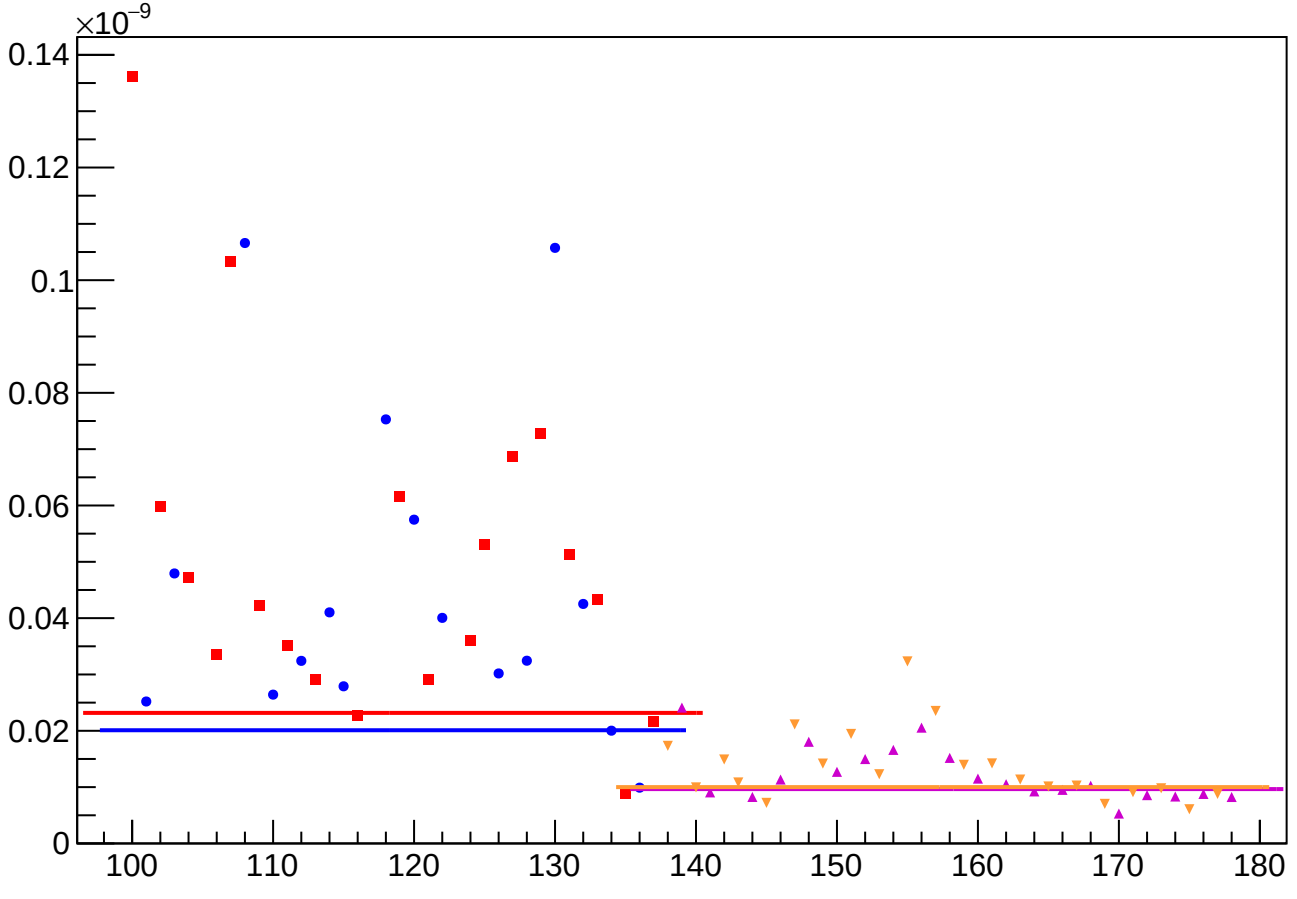
Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 27.703+/-0.005 χ^2/NDF:12145773.9/35

Out: 30.336+/-0.006 χ^2/NDF:13469640.8/39

All: 28.936+/-0.004 χ^2/NDF: 25728410.7/75


asym_sam3_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 8.4/15
Left Out: 0.000+/-0.000 χ²/NDF:7.9/20
Right Out: 0.000+/-0.000 χ²/NDF: 19.7/18
Left In: -0.000+/-0.000 χ²/NDF:16.0/19
Left: -0.000+/-0.000 χ²/NDF: 24.7/40
Right: 0.000+/-0.000 χ²/NDF: 28.1/34
In: -0.000+/-0.000 χ²/NDF:25.0/35
Out: 0.000+/-0.000 χ²/NDF:27.6/39
All: -0.000+/-0.000 χ²/NDF: 53.2/75



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:2066618.0/19

Left: 0.000+/-0.000 χ^2/NDF: 4829464.9/40

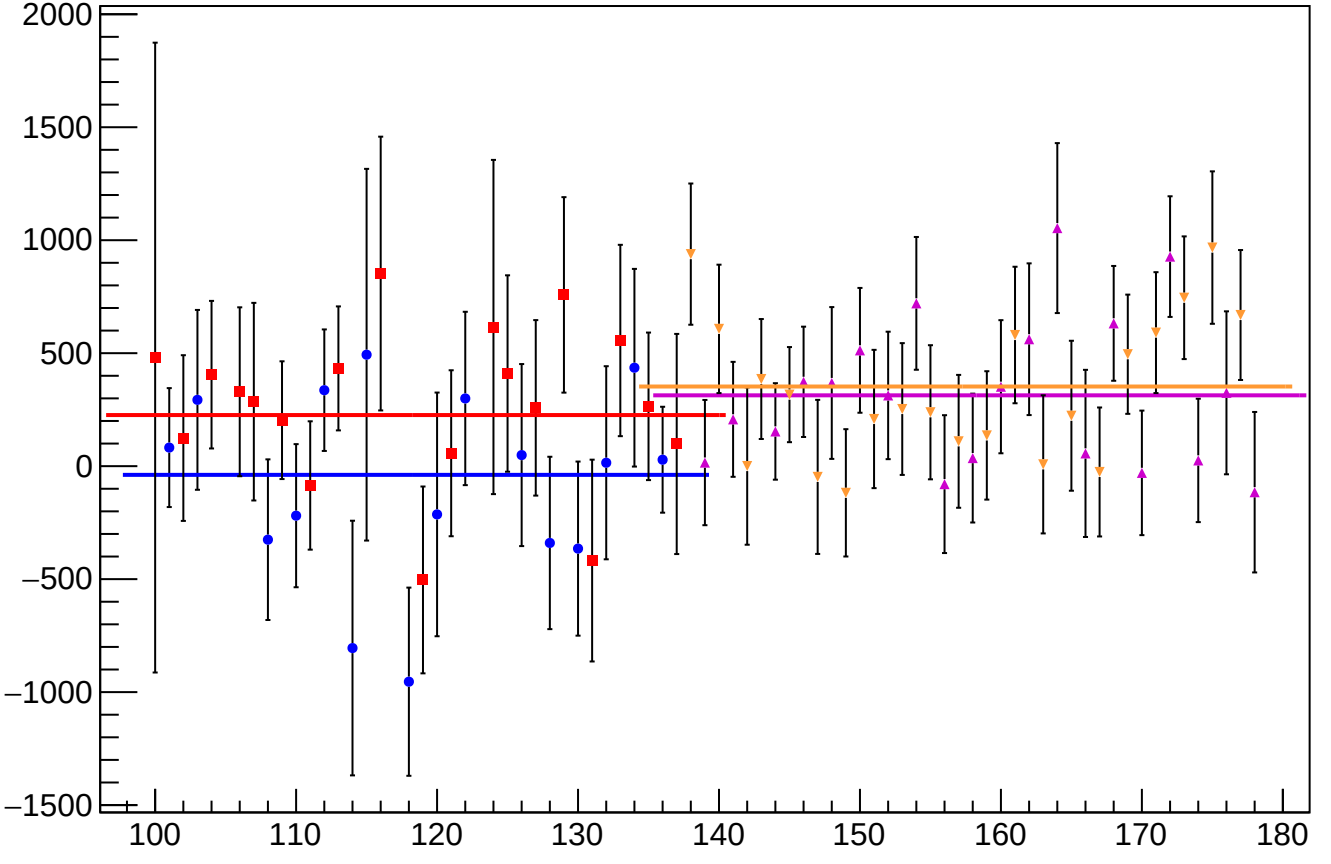
Right: 0.000+/-0.000 χ^2/NDF: 6709527.6/34

In: 0.000+/-0.000 χ^2/NDF:6568301.8/35

Out: 0.000+/-0.000 χ^2/NDF:8069467.7/39

All: 0.000+/-0.000 χ^2/NDF: 14654871.2/75

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: 313.463+/-64.168 χ^2/NDF:22.9/19

Left: 333.356+/-44.935 χ^2/NDF: 45.9/40

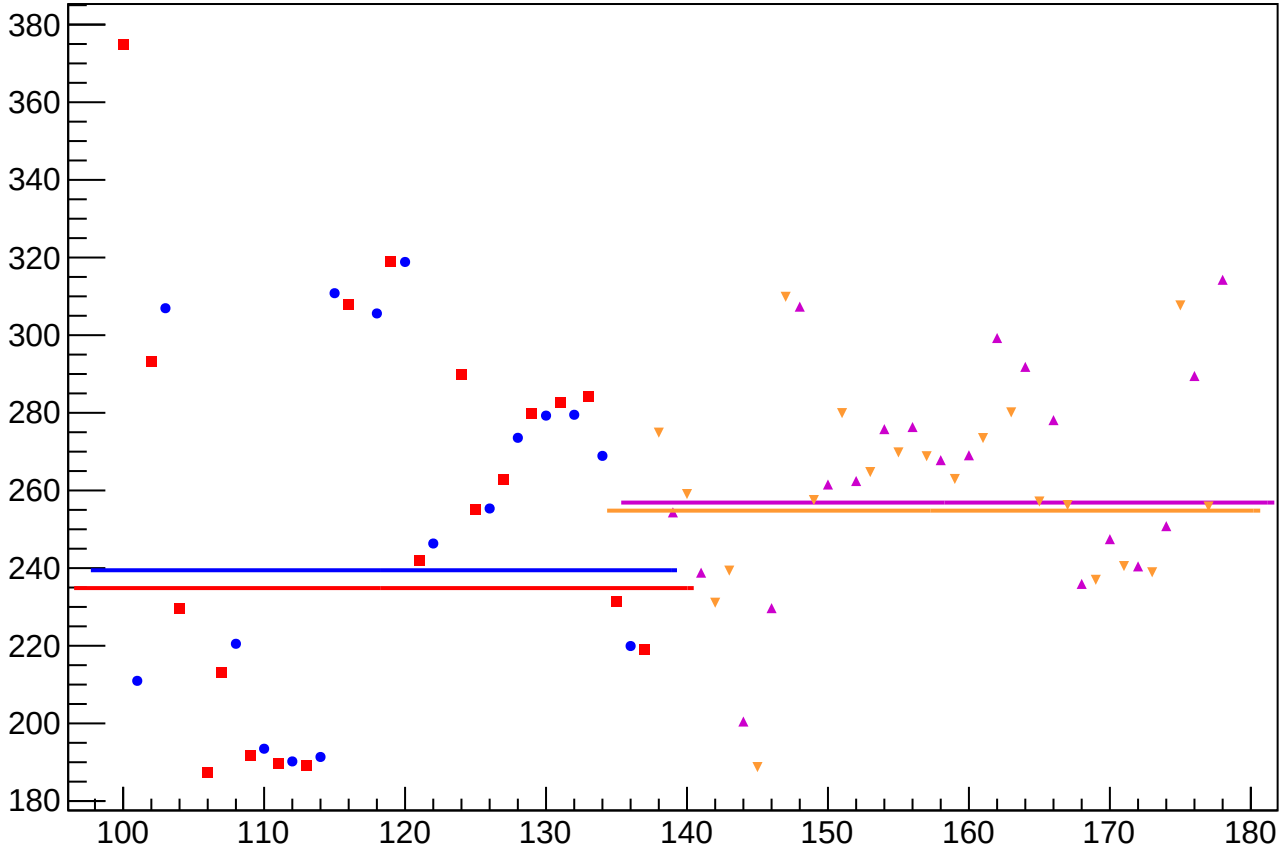
Right: 97.852+/-63.097 χ^2/NDF: 30.3/34

In: 195.920+/-52.368 χ^2/NDF:47.4/35

Out: 309.681+/-51.178 χ^2/NDF:35.6/39

All: 254.108+/-36.602 χ^2/NDF: 85.4/75

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: 256.882+/-0.045 χ^2/NDF:392700.9/19

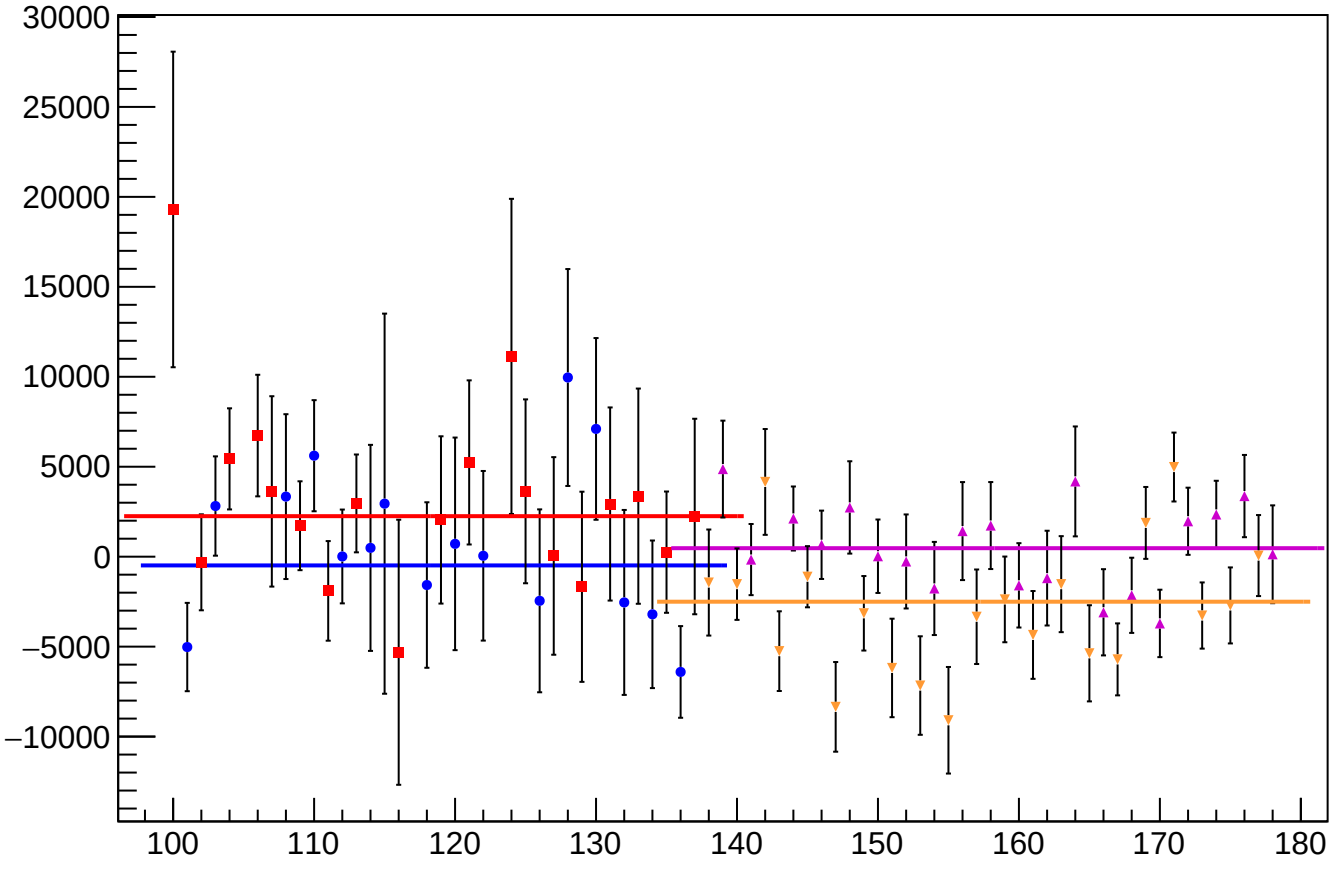
Left: 255.824+/-0.032 χ^2/NDF: 787342.1/40

Right: 237.082+/-0.045 χ^2/NDF: 885319.7/34

In: 251.060+/-0.037 χ^2/NDF:842954.8/35

Out: 248.044+/-0.036 χ^2/NDF:943393.0/39

All: 249.517+/-0.026 χ^2/NDF: 1789741.0/75



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: 472.065+/-499.964 χ^2/NDF:20.4/19

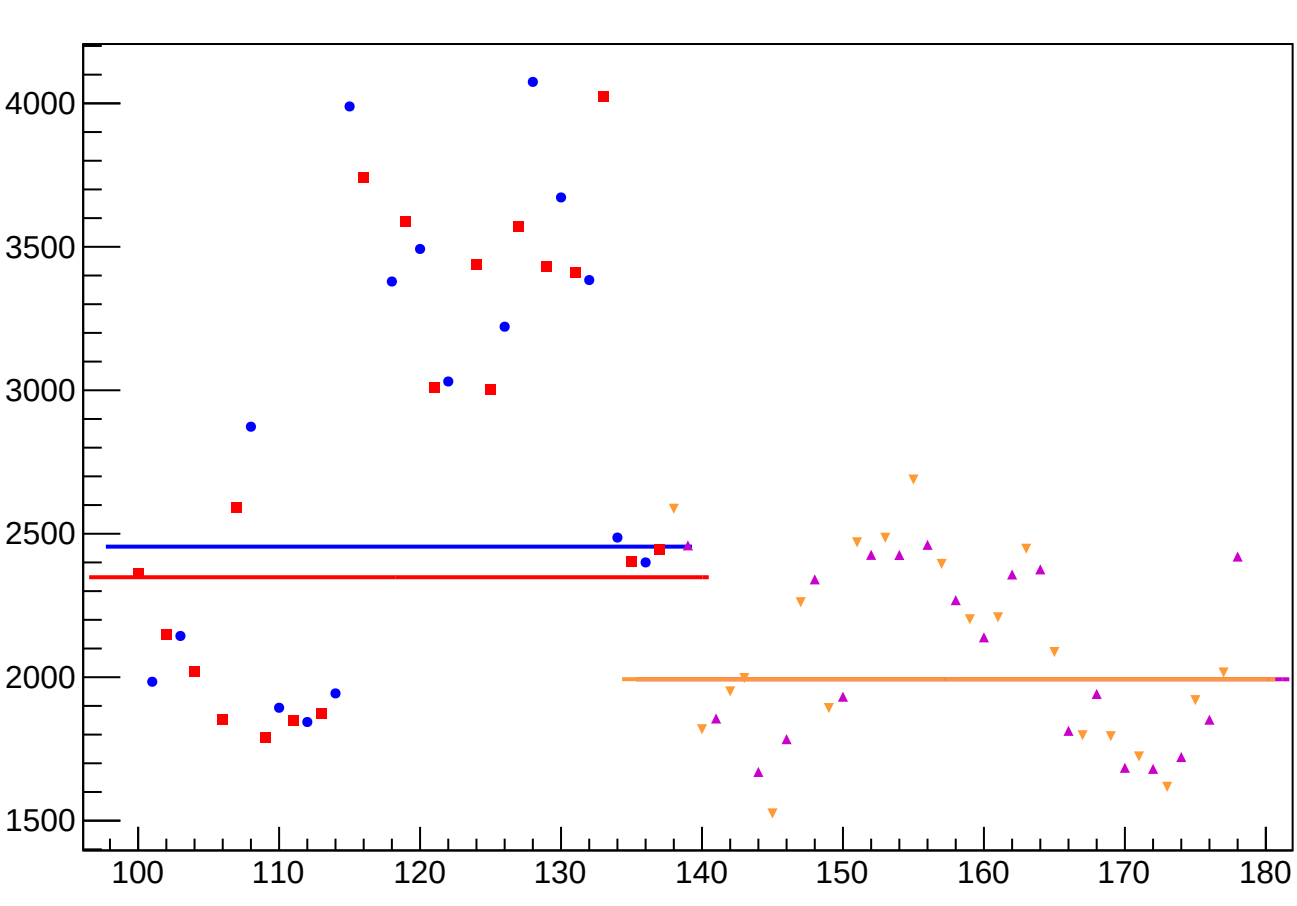
Left: -1027.775+/-352.032 χ^2/NDF: 87.3/40

Right: 962.136+/-650.297 χ^2/NDF: 39.4/34

In: 263.407+/-442.177 χ^2/NDF:42.3/35

Out: -1384.631+/-433.578 χ^2/NDF:84.6/39

All: -576.793+/-309.581 χ^2/NDF: 133.9/75



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: 1992.831+/-0.354 χ^2/NDF:693870.6/19

Left: 1992.972+/-0.249 χ^2/NDF: 1508807.7/40

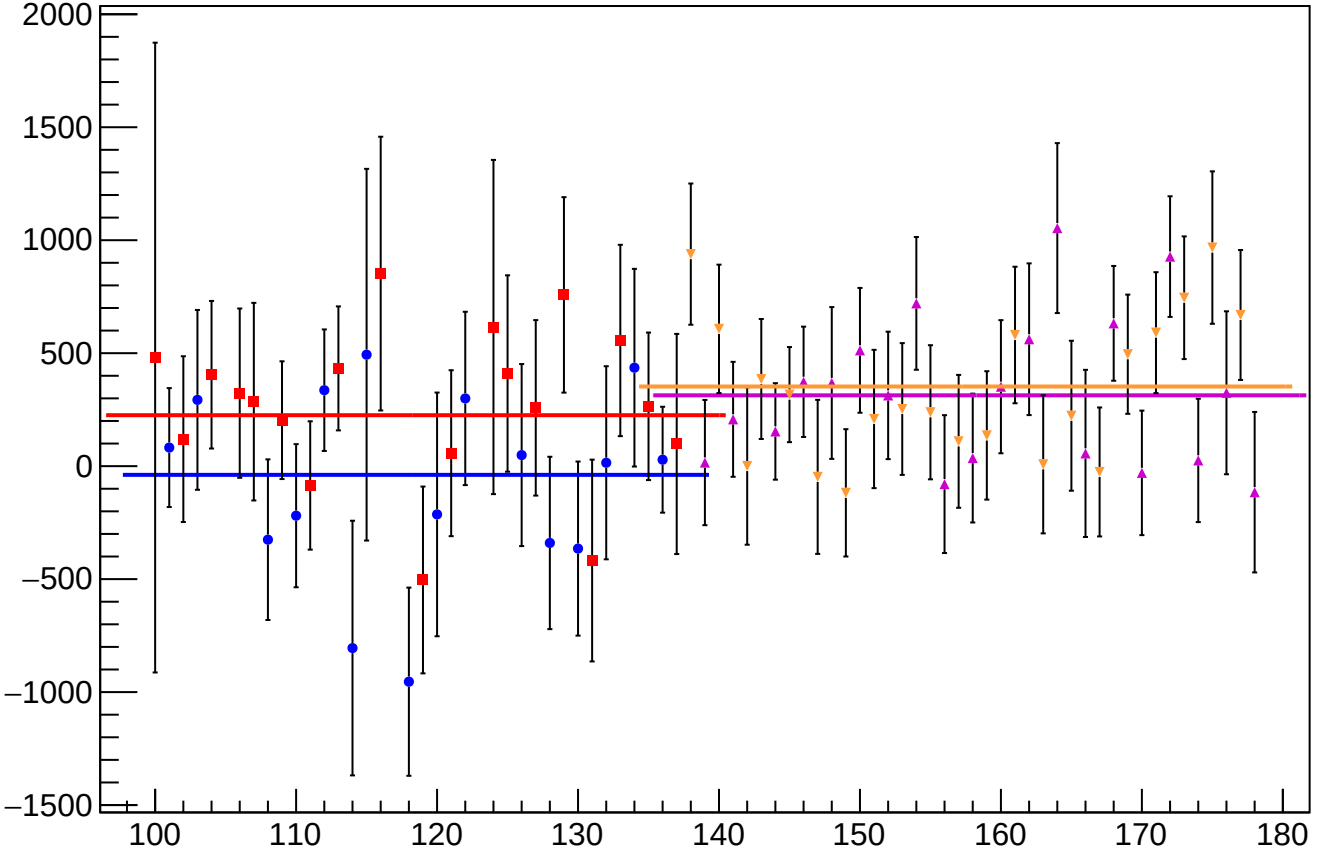
Right: 2398.691+/-0.460 χ^2/NDF: 1960216.3/34

In: 2093.517+/-0.313 χ^2/NDF:1960668.1/35

Out: 2076.658+/-0.307 χ^2/NDF:2108936.6/39

All: 2084.922+/-0.219 χ^2/NDF: 4071086.8/75

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: 313.466+/-64.168 χ^2/NDF:22.9/19

Left: 333.364+/-44.935 χ^2/NDF: 45.9/40

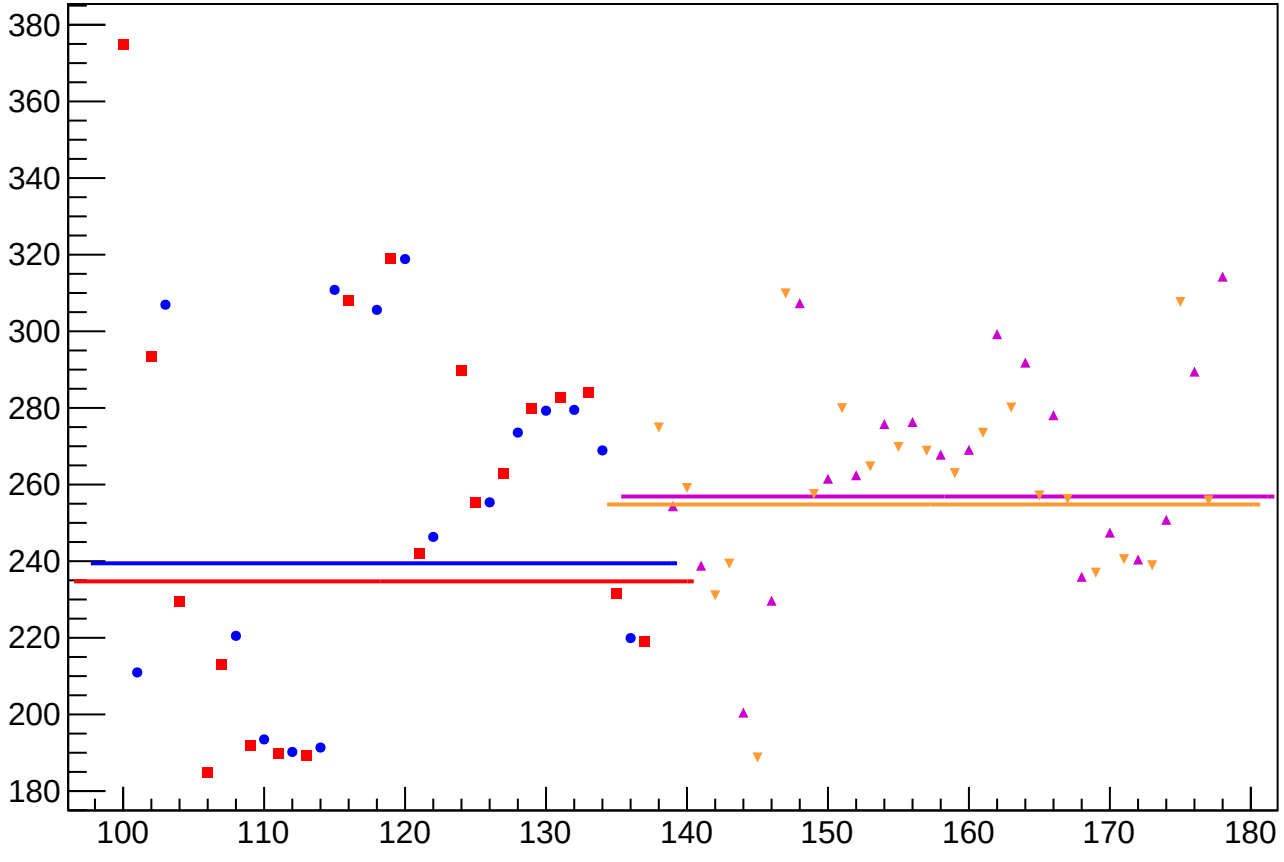
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 195.915+/-52.368 χ^2/NDF:47.4/35

Out: 309.477+/-51.180 χ^2/NDF:35.6/39

All: 253.998+/-36.603 χ^2/NDF: 85.4/75

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: 256.882+/-0.045 χ^2/NDF:392700.9/19

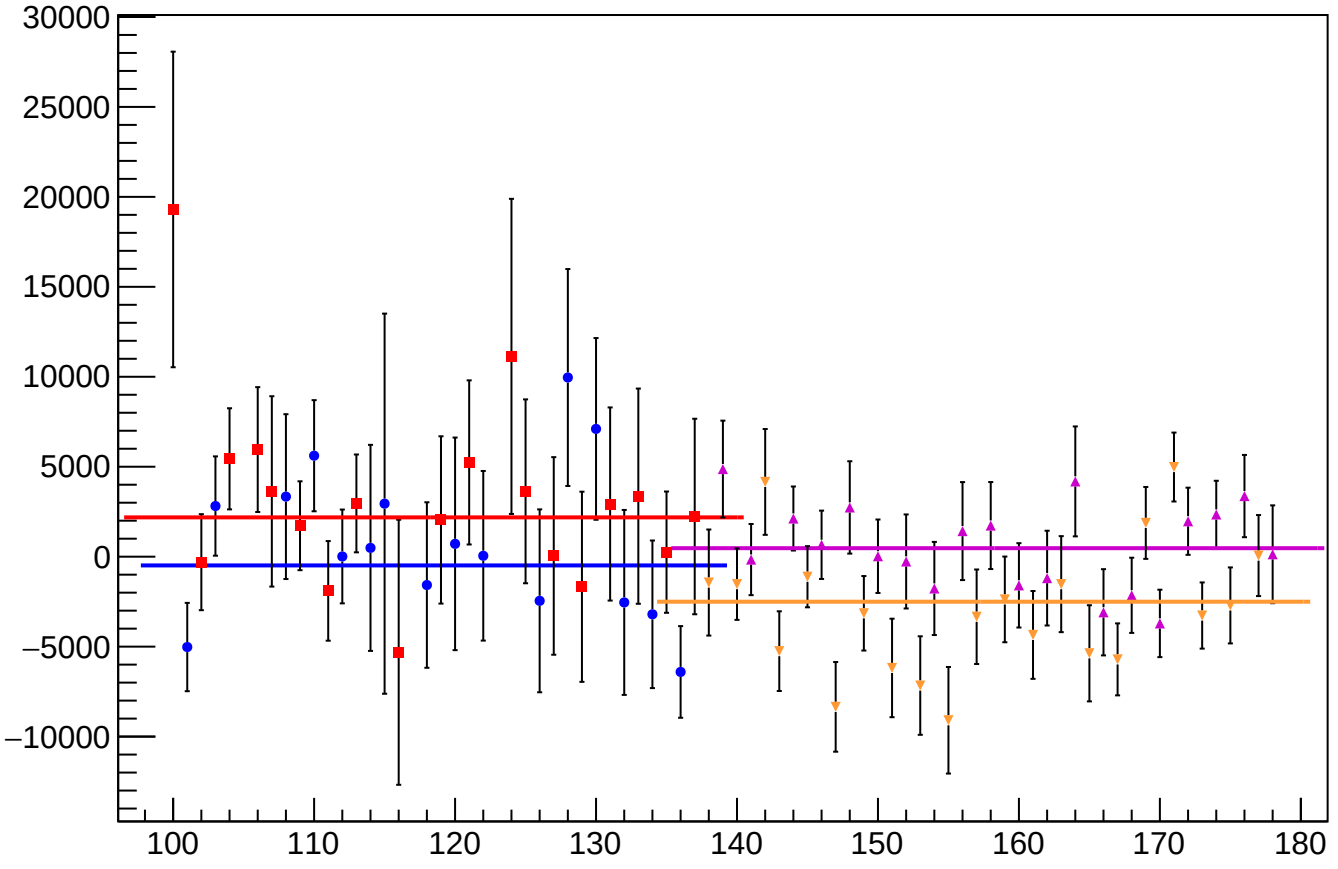
Left: 255.824+/-0.032 χ^2/NDF: 787342.1/40

Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 251.060+/-0.037 χ^2/NDF:842956.9/35

Out: 248.004+/-0.036 χ^2/NDF:947735.4/39

All: 249.497+/-0.026 χ^2/NDF: 1794175.6/75



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: 472.076+/-499.965 χ^2/NDF:20.4/19

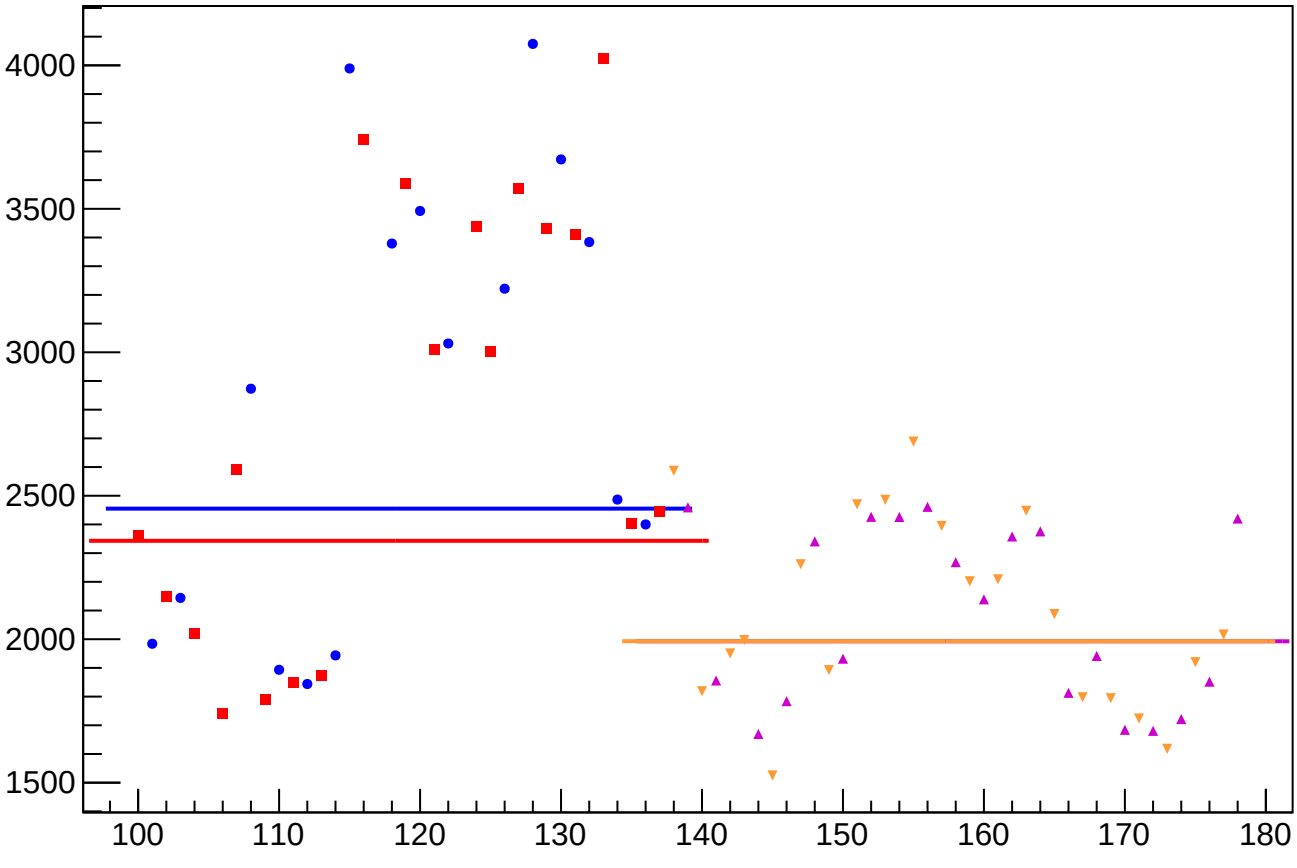
Left: -1027.764+/-352.032 χ^2/NDF: 87.3/40

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 263.381+/-442.178 χ^2/NDF:42.3/35

Out: -1403.574+/-433.770 χ^2/NDF:83.3/39

All: -586.095+/-309.652 χ^2/NDF: 132.8/75



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: 1992.831+/-0.354 χ^2/NDF:693871.3/19

Left: 1992.972+/-0.249 χ^2/NDF: 1508808.8/40

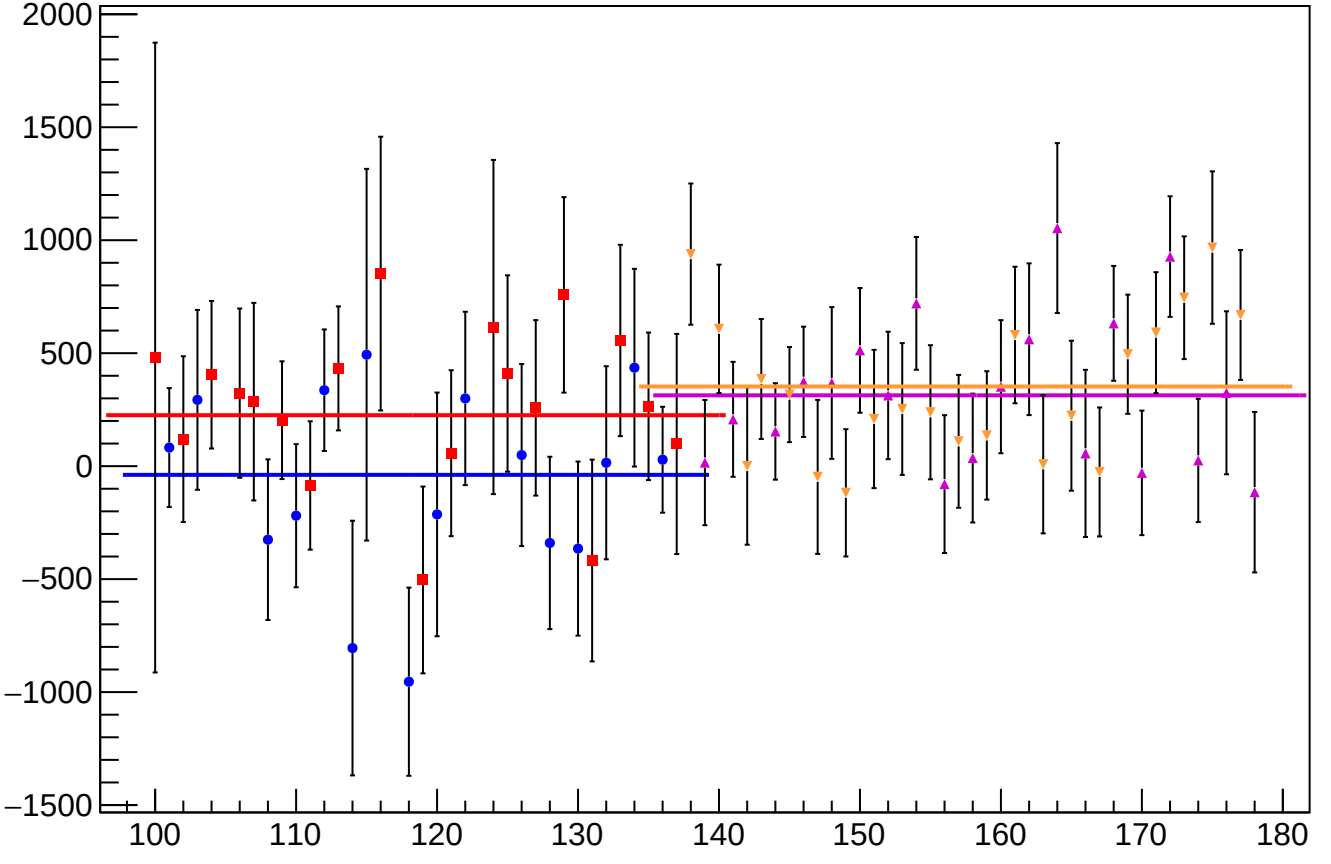
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2093.521+/-0.313 χ^2/NDF:1960670.9/35

Out: 2075.129+/-0.307 χ^2/NDF:2118818.9/39

All: 2084.149+/-0.219 χ^2/NDF: 4081253.0/75

eigen_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: 313.466+/-64.168 χ^2/NDF:22.9/19

Left: 333.364+/-44.935 χ^2/NDF: 45.9/40

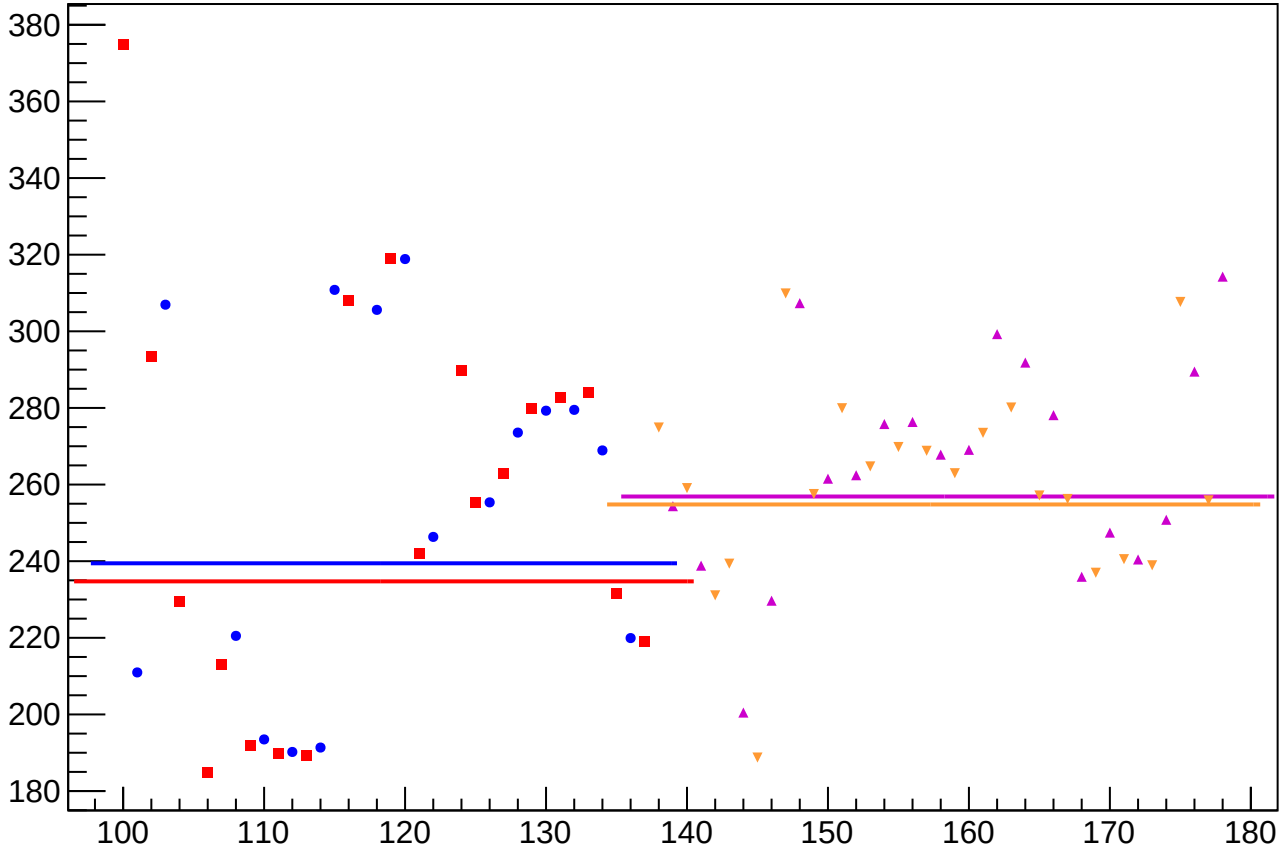
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 195.915+/-52.368 χ^2/NDF:47.4/35

Out: 309.477+/-51.180 χ^2/NDF:35.6/39

All: 253.998+/-36.603 χ^2/NDF: 85.4/75

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: 256.882+/-0.045 χ^2/NDF:392700.9/19

Left: 255.824+/-0.032 χ^2/NDF: 787342.1/40

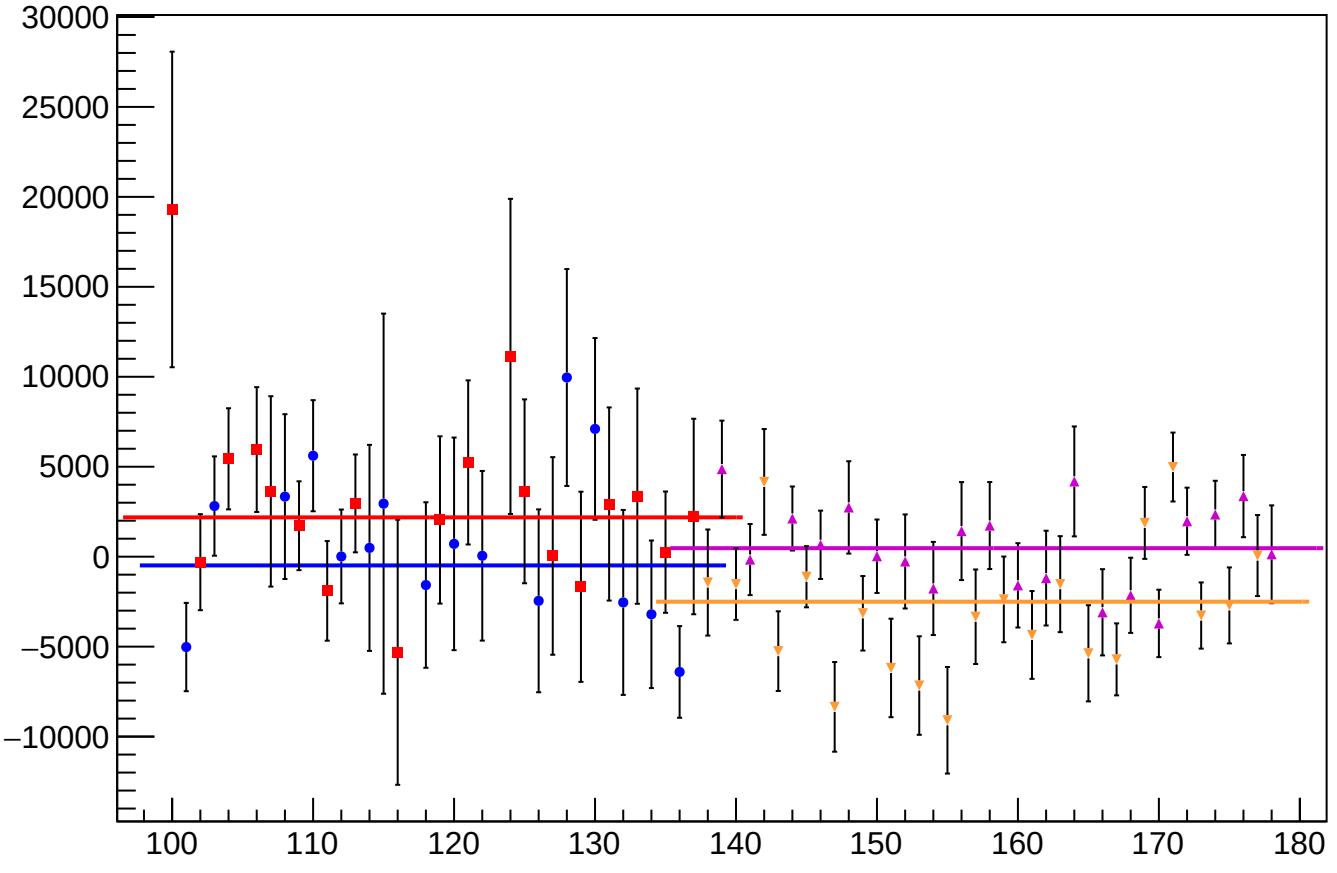
Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 251.060+/-0.037 χ^2/NDF:842956.9/35

Out: 248.004+/-0.036 χ^2/NDF:947735.4/39

All: 249.497+/-0.026 χ^2/NDF: 1794175.6/75

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: 472.076+/-499.965 χ^2/NDF:20.4/19

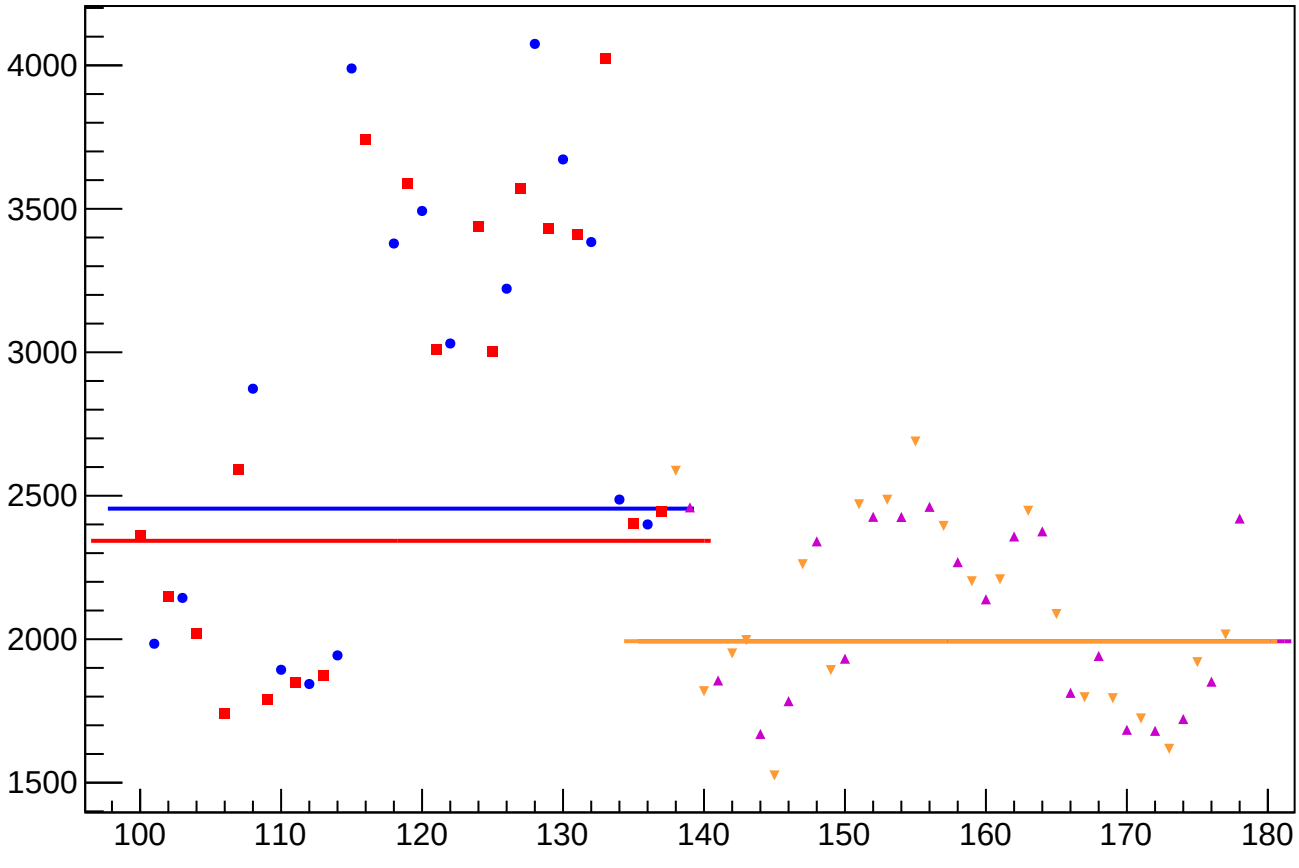
Left: -1027.764+/-352.032 χ^2/NDF: 87.3/40

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 263.381+/-442.178 χ^2/NDF:42.3/35

Out: -1403.574+/-433.770 χ^2/NDF:83.3/39

All: -586.095+/-309.652 χ^2/NDF: 132.8/75



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: 1992.831+/-0.354 χ^2/NDF:693871.3/19

Left: 1992.972+/-0.249 χ^2/NDF: 1508808.8/40

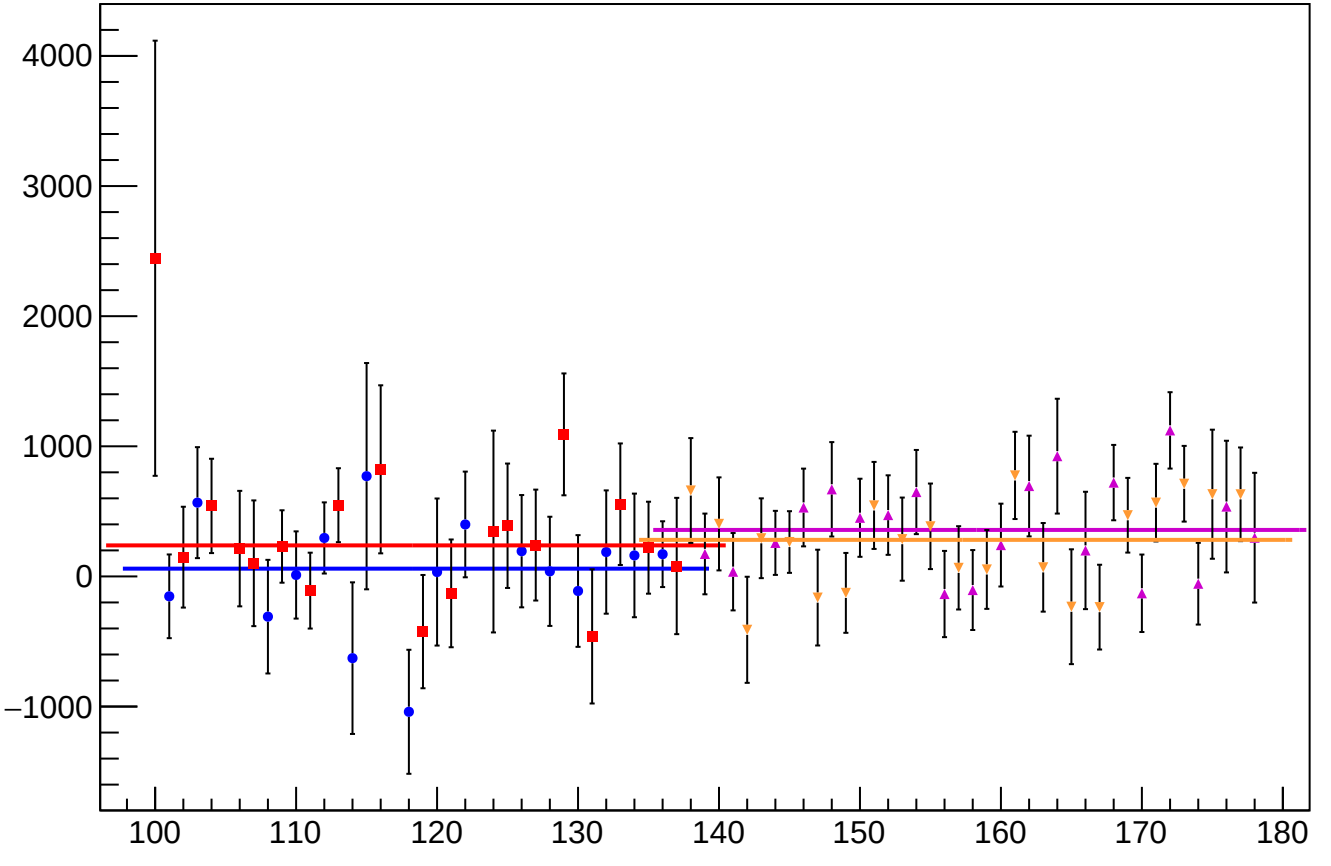
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2093.521+/-0.313 χ^2/NDF:1960670.9/35

Out: 2075.129+/-0.307 χ^2/NDF:2118818.9/39

All: 2084.149+/-0.219 χ^2/NDF: 4081253.0/75

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: 357.316+/-73.011 χ^2/NDF:23.9/19

Left: 318.468+/-51.182 χ^2/NDF: 44.7/40

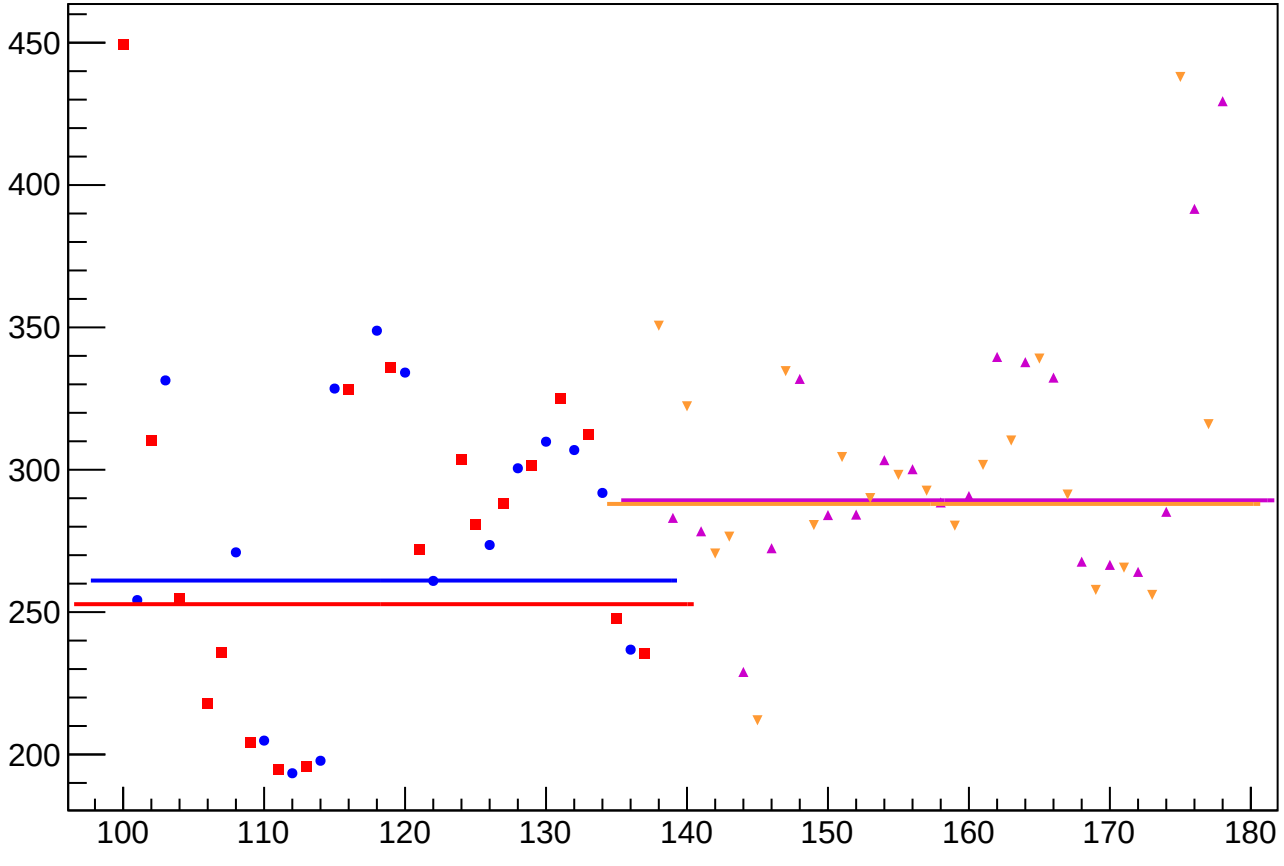
Right: 152.955+/-68.645 χ^2/NDF: 28.6/34

In: 252.795+/-58.808 χ^2/NDF:41.7/35

Out: 265.532+/-57.278 χ^2/NDF:35.4/39

All: 259.332+/-41.032 χ^2/NDF: 77.1/75

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: 289.263+/-0.052 χ^2/NDF:518606.9/19

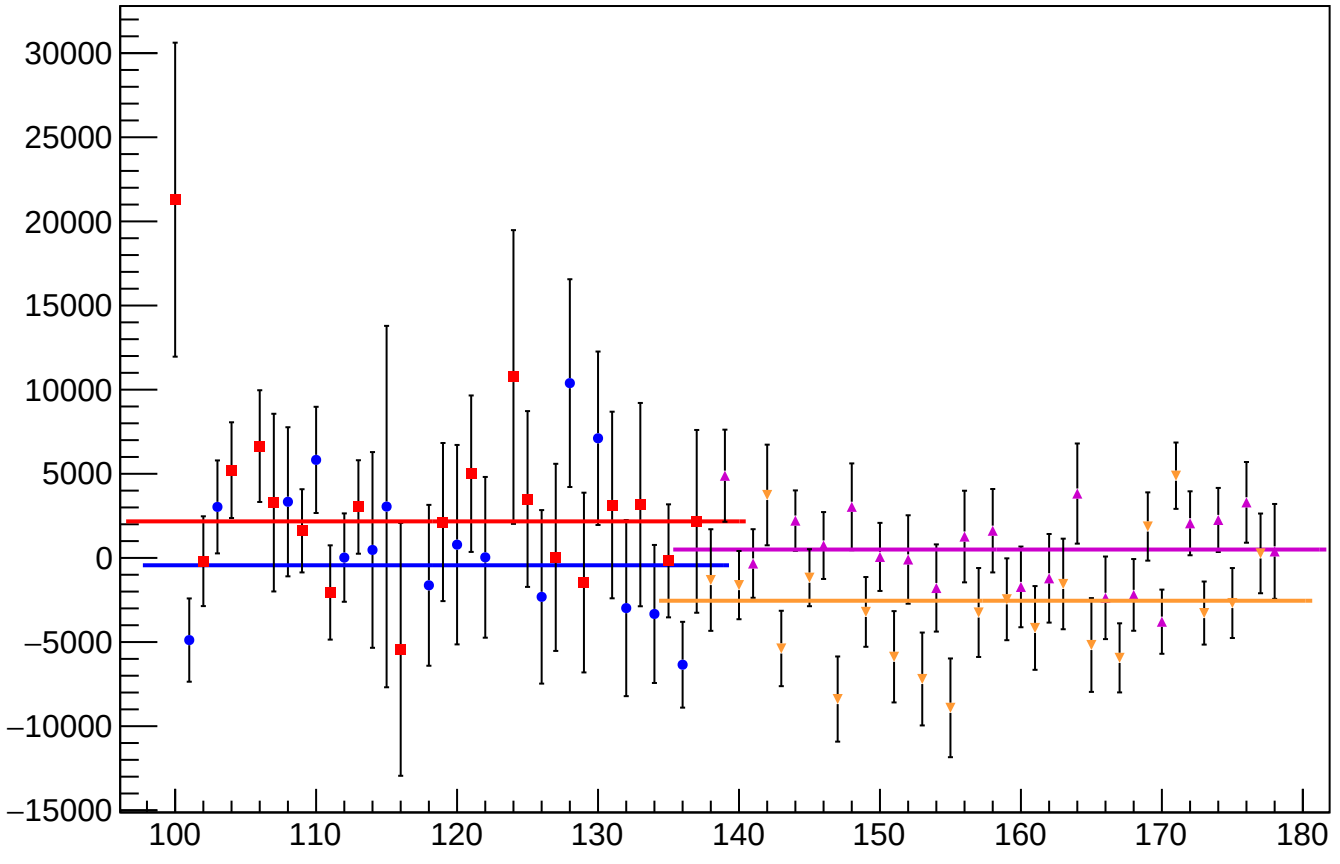
Left: 288.621+/-0.036 χ^2/NDF: 1130925.2/40

Right: 256.760+/-0.049 χ^2/NDF: 1007252.4/34

In: 279.368+/-0.042 χ^2/NDF:1085872.6/35

Out: 275.217+/-0.041 χ^2/NDF:1324110.0/39

All: 277.237+/-0.029 χ^2/NDF: 2415095.6/75



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: 498.594+/-508.408 χ^2/NDF:19.2/19

Left: -1039.972+/-357.490 χ^2/NDF: 83.7/40

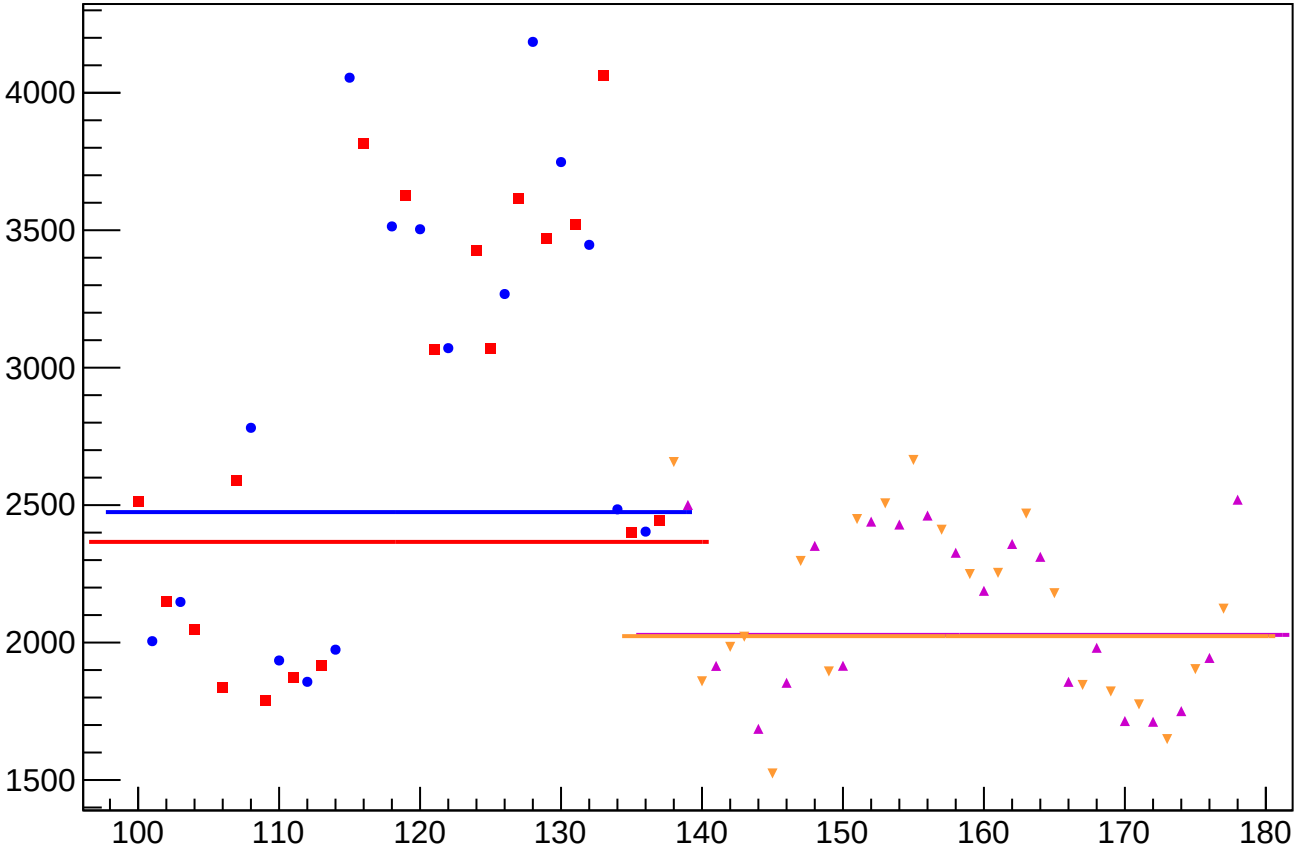
Right: 943.553+/-655.445 χ^2/NDF: 39.1/34

In: 292.094+/-448.790 χ^2/NDF:41.2/35

Out: -1424.848+/-439.055 χ^2/NDF:81.2/39

All: -585.200+/-313.844 χ^2/NDF: 129.9/75

asym_sam4_dit_correction_rms vs Slug, Sign Corrected



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: 2027.918+/-0.359 χ^2/NDF:652913.2/19

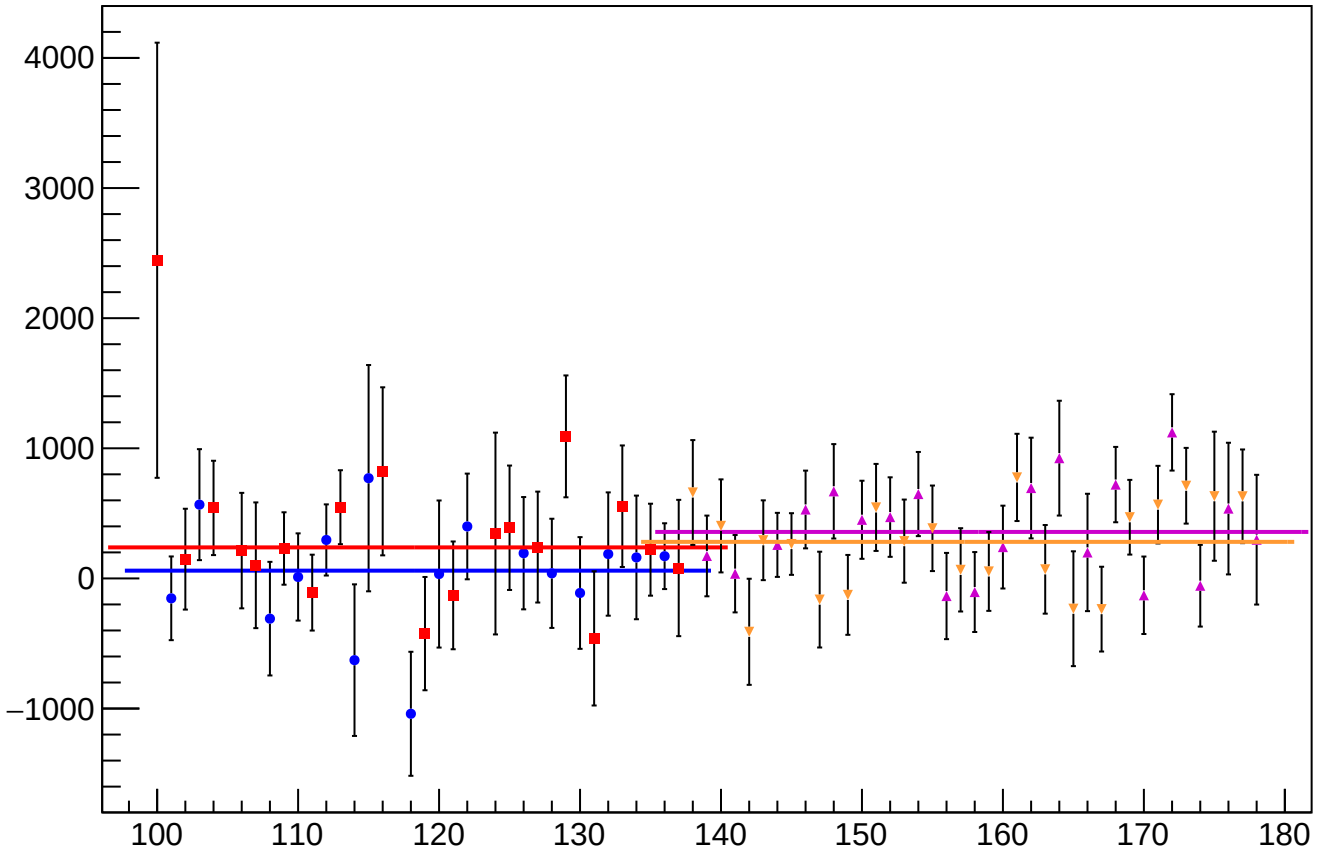
Left: 2025.631+/-0.253 χ^2/NDF: 1460014.9/40

Right: 2417.269+/-0.463 χ^2/NDF: 2007056.0/34

In: 2126.541+/-0.317 χ^2/NDF:1910044.4/35

Out: 2104.783+/-0.310 χ^2/NDF:2104959.2/39

All: 2115.424+/-0.222 χ^2/NDF: 4017405.4/75



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: 357.316+/-73.011 χ^2/NDF:23.9/19

Left: 318.470+/-51.182 χ^2/NDF: 44.7/40

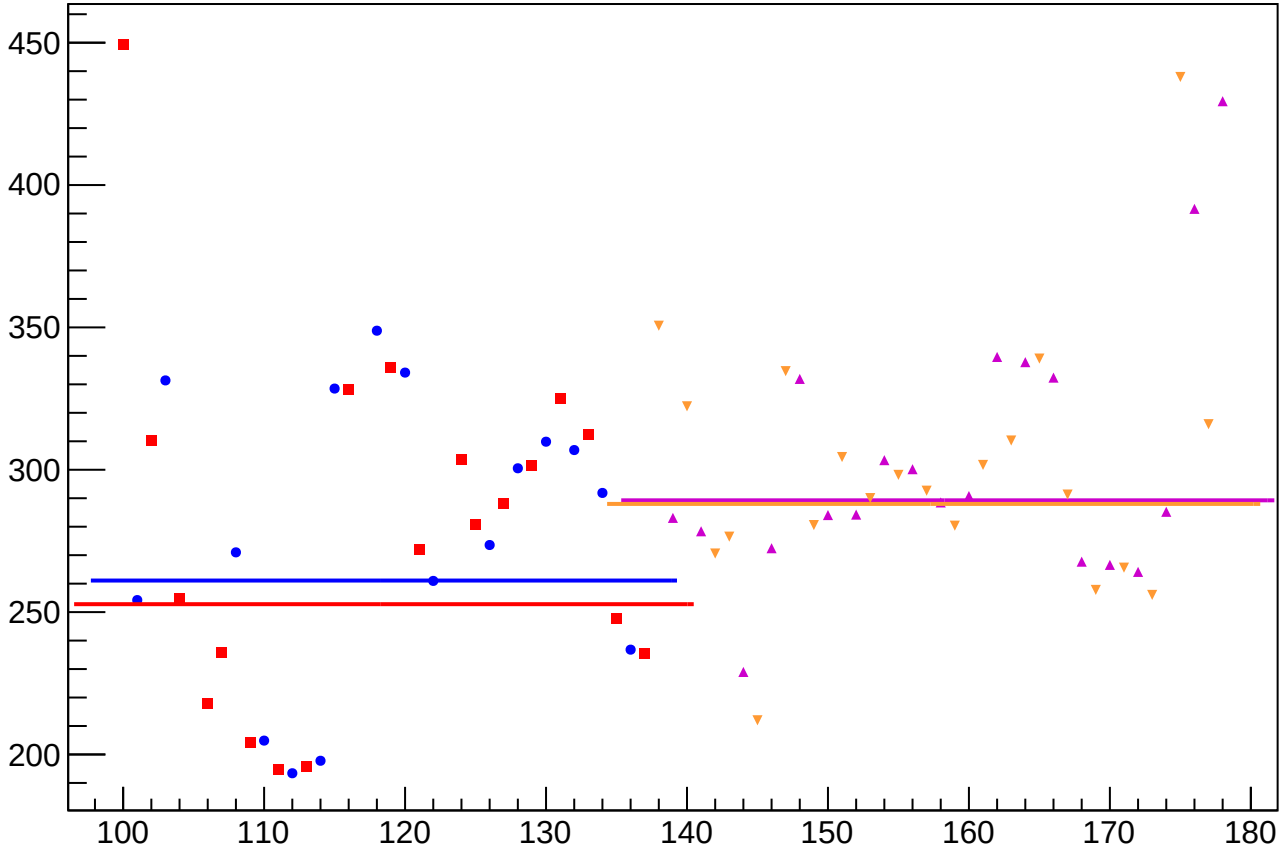
Right: 152.957+/-68.645 χ^2/NDF: 28.6/34

In: 252.797+/-58.808 χ^2/NDF:41.7/35

Out: 265.535+/-57.278 χ^2/NDF:35.4/39

All: 259.334+/-41.032 χ^2/NDF: 77.1/75

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: 289.263+/-0.052 χ^2/NDF:518596.9/19

Left: 288.622+/-0.036 χ^2/NDF: 1130909.6/40

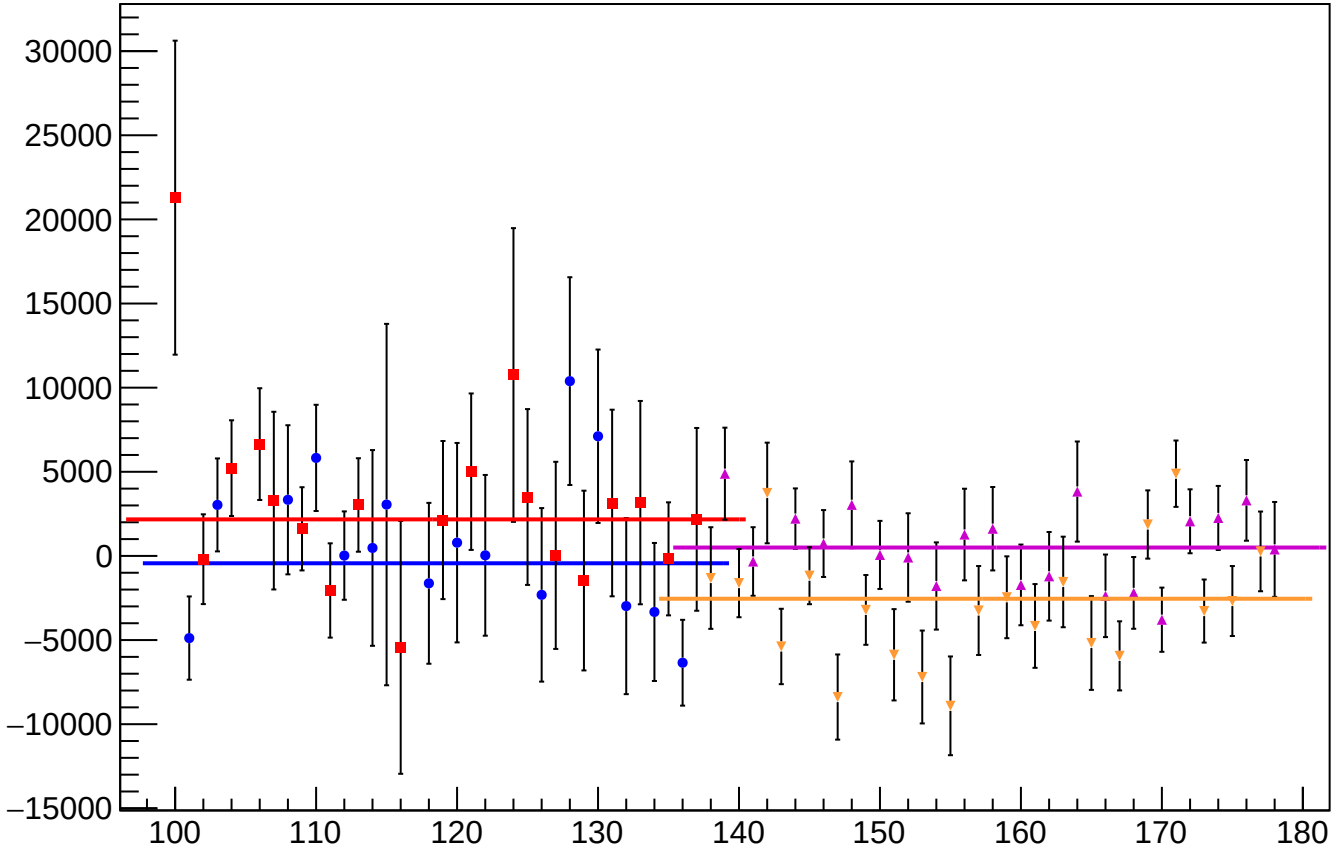
Right: 256.760+/-0.049 χ^2/NDF: 1007258.7/34

In: 279.368+/-0.042 χ^2/NDF:1085867.0/35

Out: 275.217+/-0.041 χ^2/NDF:1324110.7/39

All: 277.238+/-0.029 χ^2/NDF: 2415090.7/75

asym_sam4_eigen_dit_correction_mean vs Slug, Sign Corrected



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: 498.591+/-508.408 χ^2/NDF:19.2/19

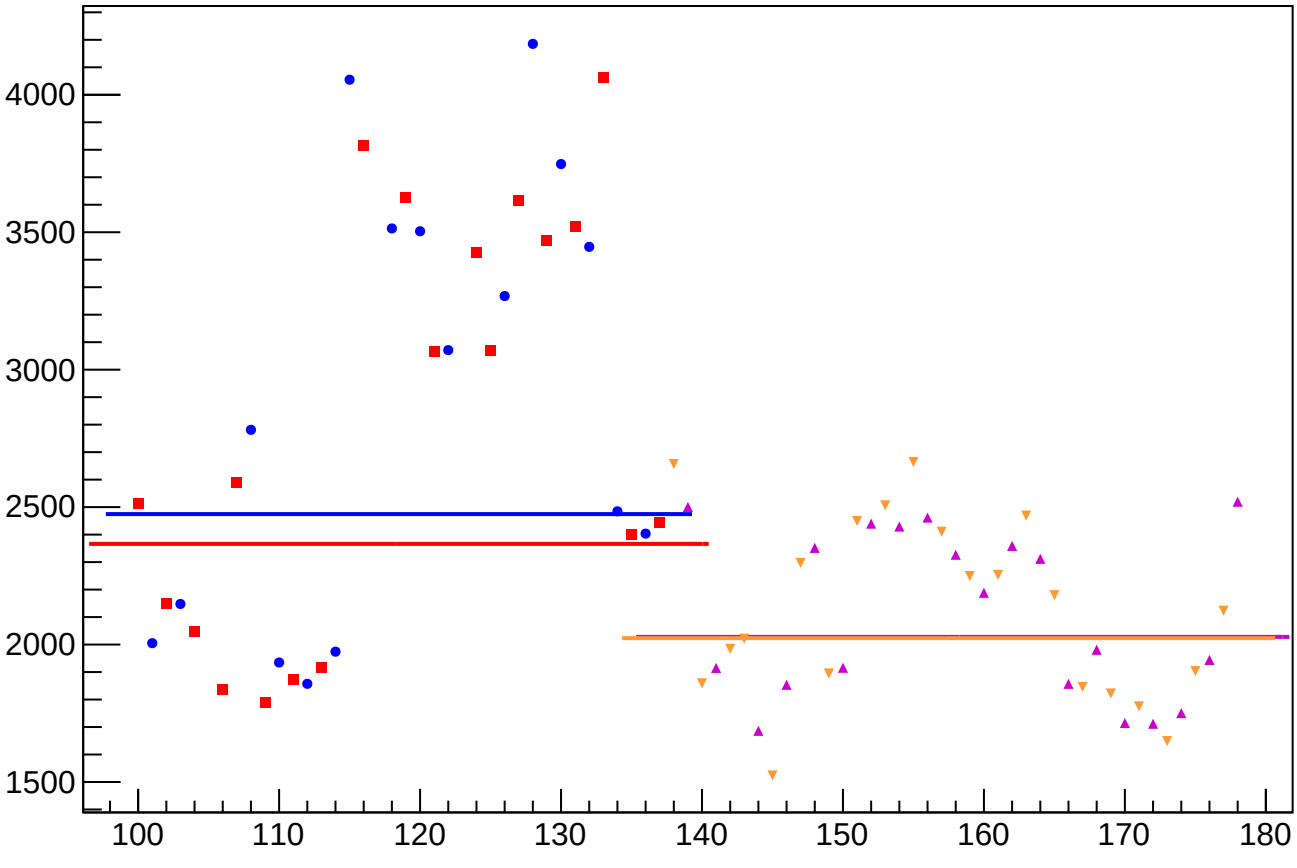
Left: -1039.971+/-357.490 χ^2/NDF: 83.7/40

Right: 943.553+/-655.444 χ^2/NDF: 39.1/34

In: 292.092+/-448.789 χ^2/NDF:41.2/35

Out: -1424.846+/-439.055 χ^2/NDF:81.2/39

All: -585.200+/-313.844 χ^2/NDF: 129.9/75



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: 2027.915+/-0.359 χ^2/NDF:652912.8/19

Left: 2025.628+/-0.253 χ^2/NDF: 1460018.3/40

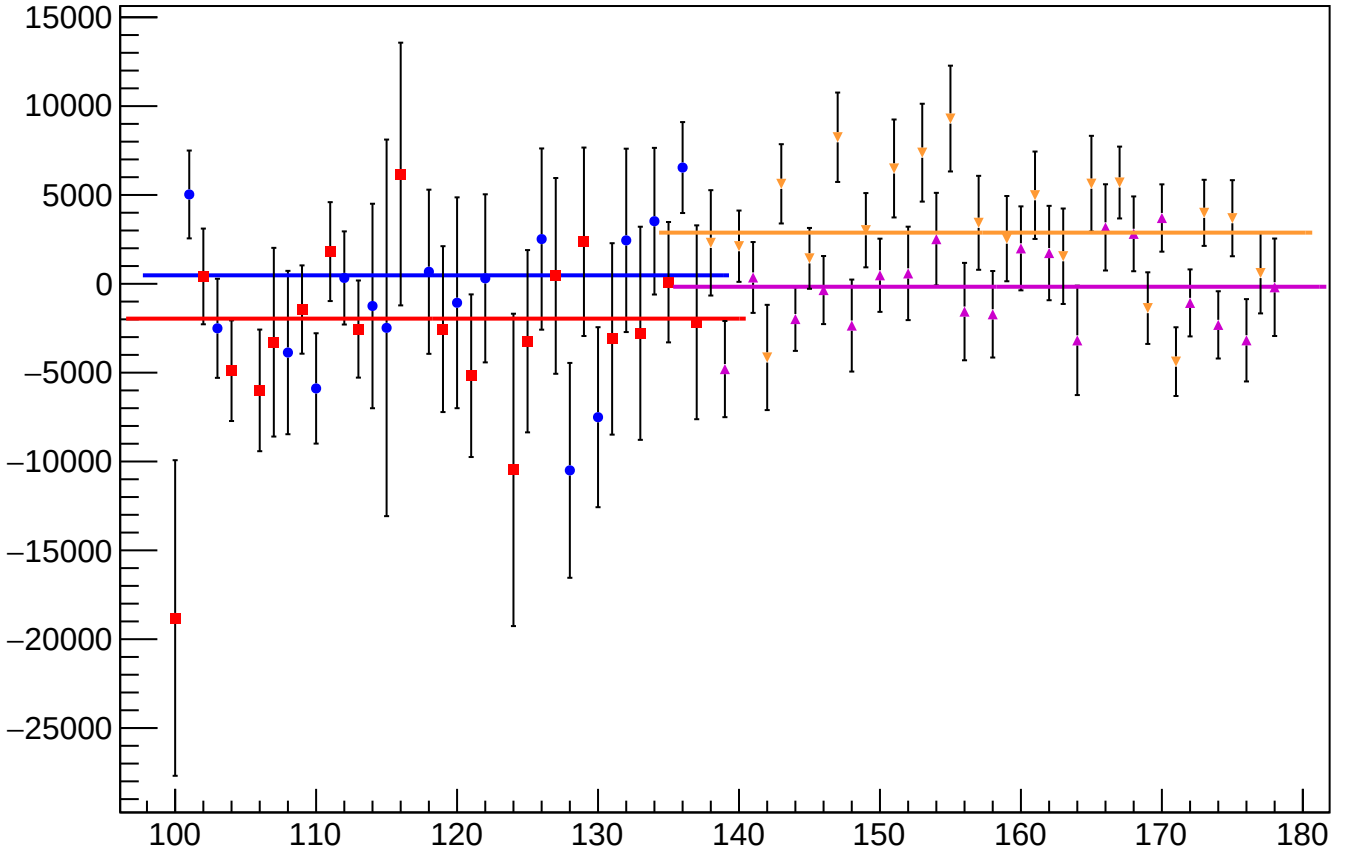
Right: 2417.267+/-0.463 χ^2/NDF: 2007061.7/34

In: 2126.538+/-0.317 χ^2/NDF:1910049.5/35

Out: 2104.781+/-0.310 χ^2/NDF:2104967.2/39

All: 2115.421+/-0.222 χ^2/NDF: 4017418.5/75

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: -165.572+/-504.362 χ^2/NDF:20.2/19

Left: 1370.243+/-355.104 χ^2/NDF: 84.3/40

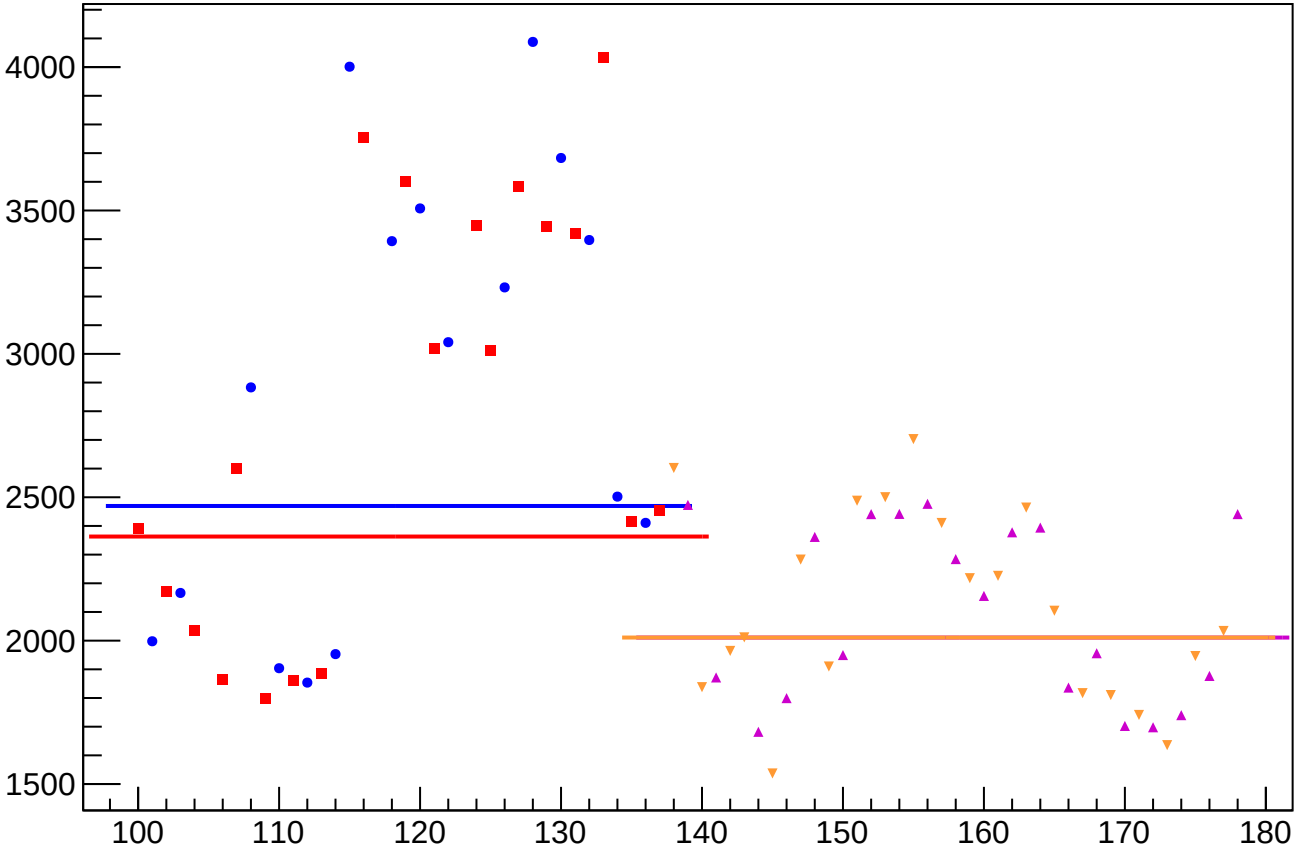
Right: -810.830+/-654.136 χ^2/NDF: 38.4/34

In: -24.854+/-445.756 χ^2/NDF:42.7/35

Out: 1737.789+/-437.079 χ^2/NDF:80.6/39

All: 873.791+/-312.084 χ^2/NDF: 131.3/75

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: 2010.767+/-0.357 χ^2/NDF:683152.6/19

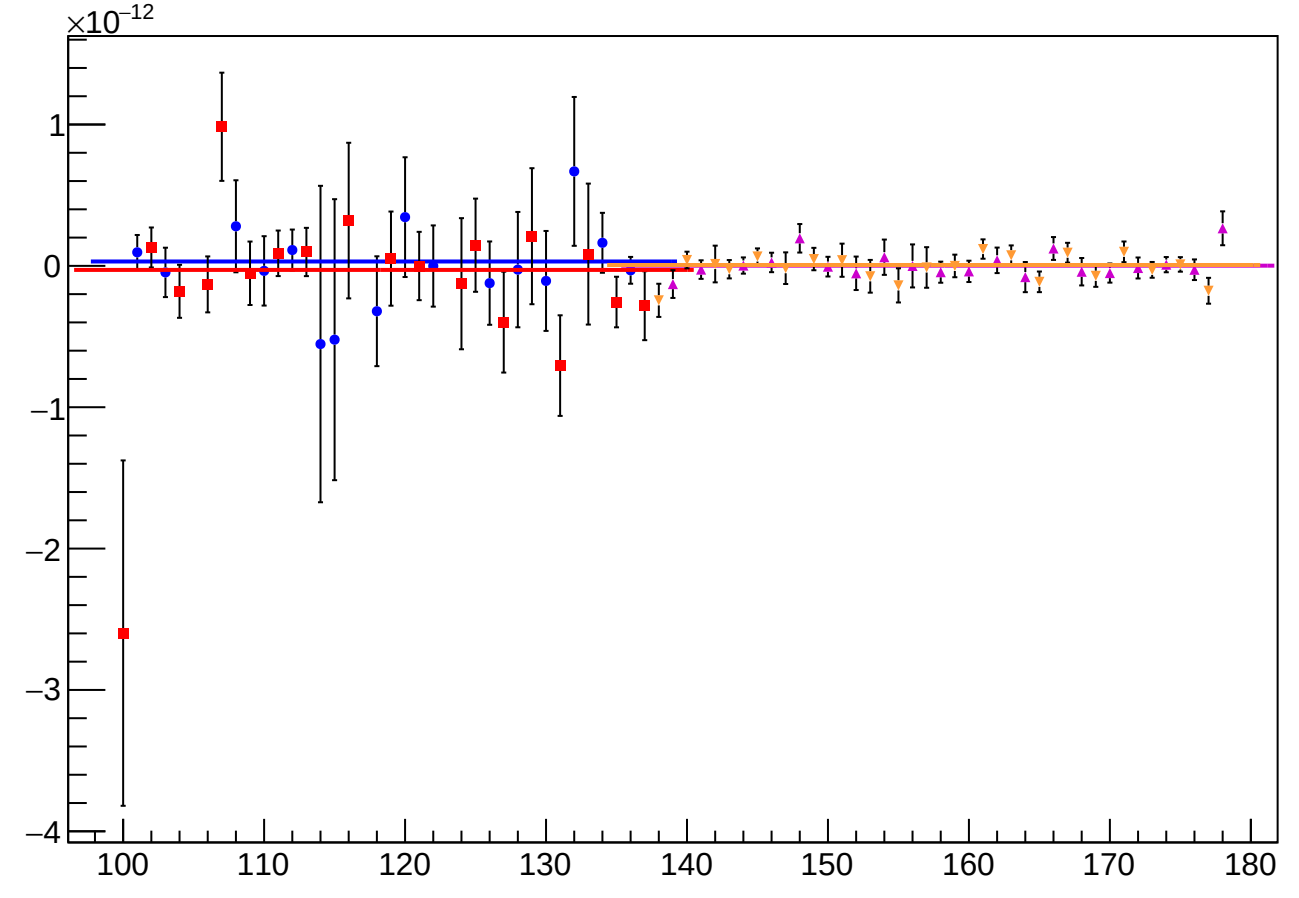
Left: 2010.810+/-0.251 χ^2/NDF: 1486177.8/40

Right: 2413.296+/-0.463 χ^2/NDF: 1942755.0/34

In: 2111.212+/-0.315 χ^2/NDF:1931710.4/35

Out: 2093.973+/-0.309 χ^2/NDF:2080524.5/39

All: 2102.423+/-0.221 χ^2/NDF: 4013759.9/75



Right In: 0.000+/-0.000 χ^2/NDF: 6.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.4/20

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:15.7/19

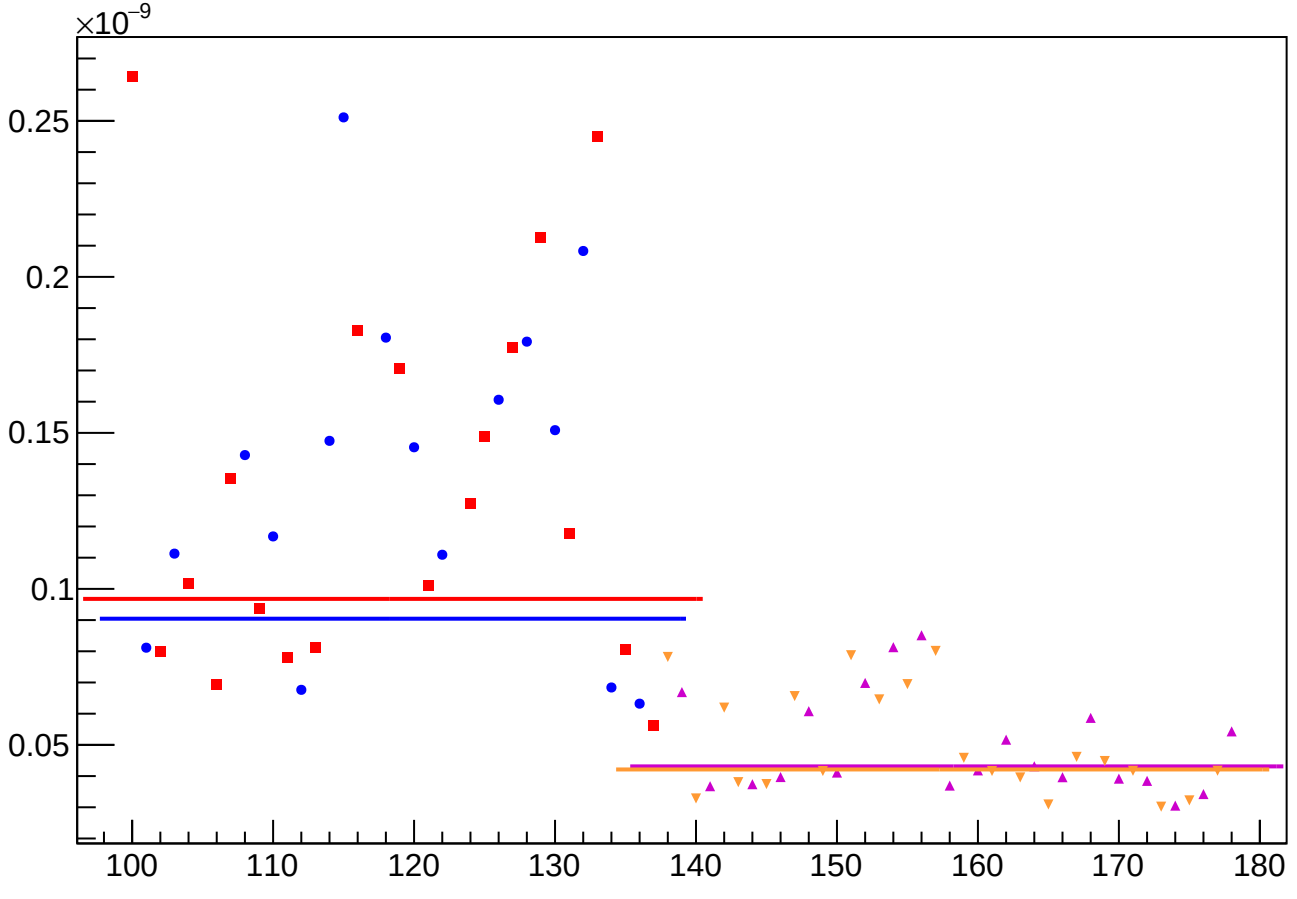
Left: 0.000+/-0.000 χ^2/NDF: 39.2/40

Right: 0.000+/-0.000 χ^2/NDF: 29.9/34

In: 0.000+/-0.000 χ^2/NDF:22.2/35

Out: 0.000+/-0.000 χ^2/NDF:46.9/39

All: 0.000+/-0.000 χ^2/NDF: 69.1/75



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:924323.6/19

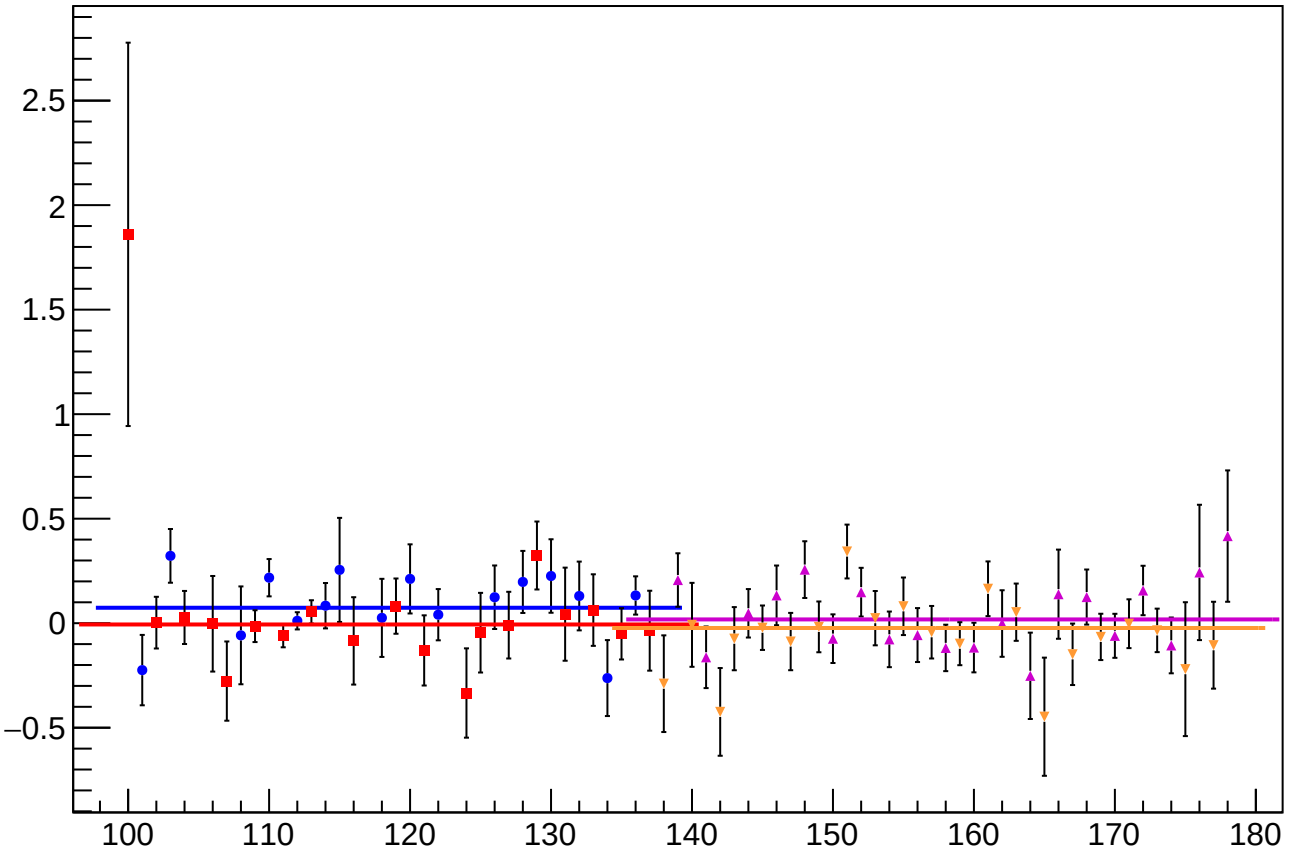
Left: 0.000+/-0.000 χ^2/NDF: 2064346.2/40

Right: 0.000+/-0.000 χ^2/NDF: 1791911.9/34

In: 0.000+/-0.000 χ^2/NDF:3306032.5/35

Out: 0.000+/-0.000 χ^2/NDF:3743131.3/39

All: 0.000+/-0.000 χ^2/NDF: 7056353.9/75



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: 0.018+/-0.030 χ^2/NDF:20.6/19

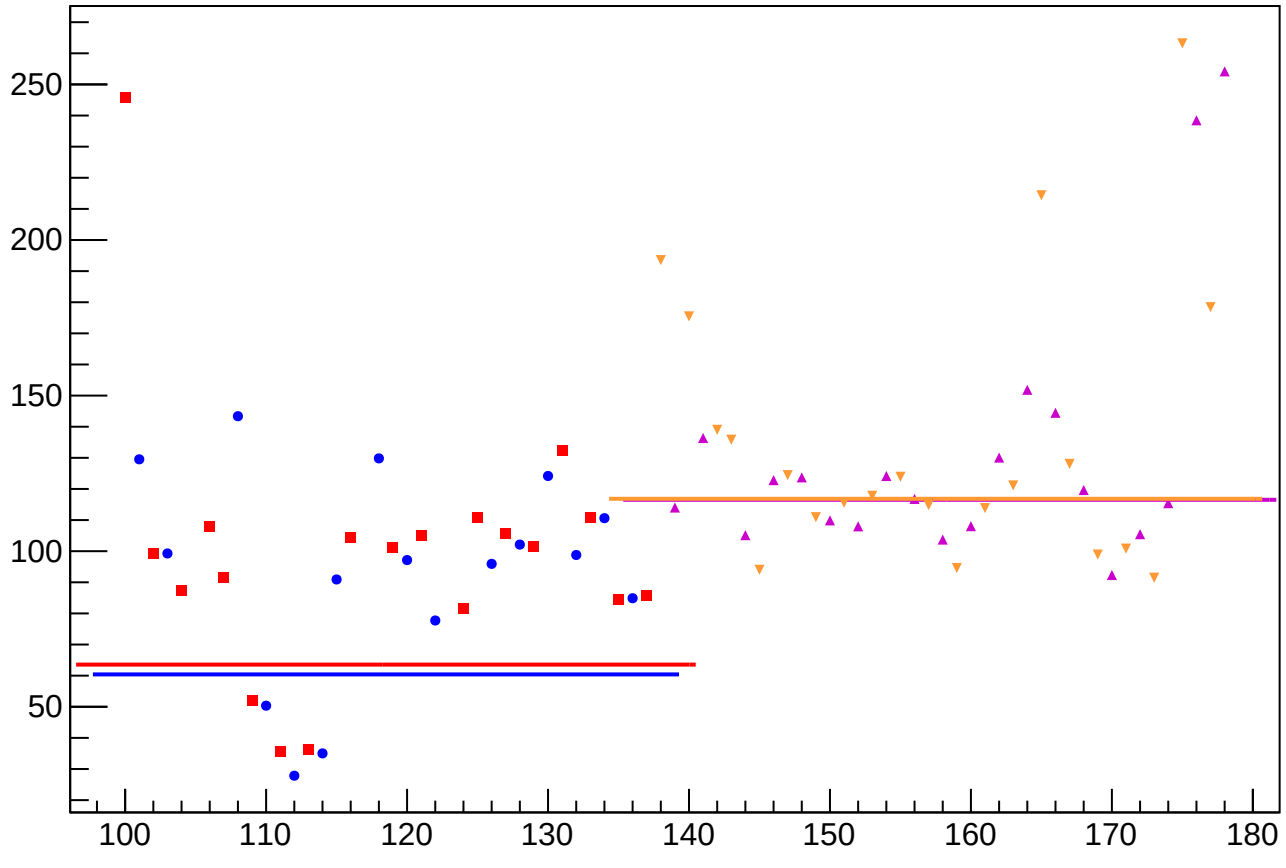
Left: -0.003+/-0.021 χ^2/NDF: 42.2/40

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.049+/-0.020 χ^2/NDF:41.4/35

Out: -0.014+/-0.020 χ^2/NDF:37.3/39

All: 0.018+/-0.014 χ^2/NDF: 83.6/75



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: 116.518+/-0.022 χ^2/NDF:1025865.2/19

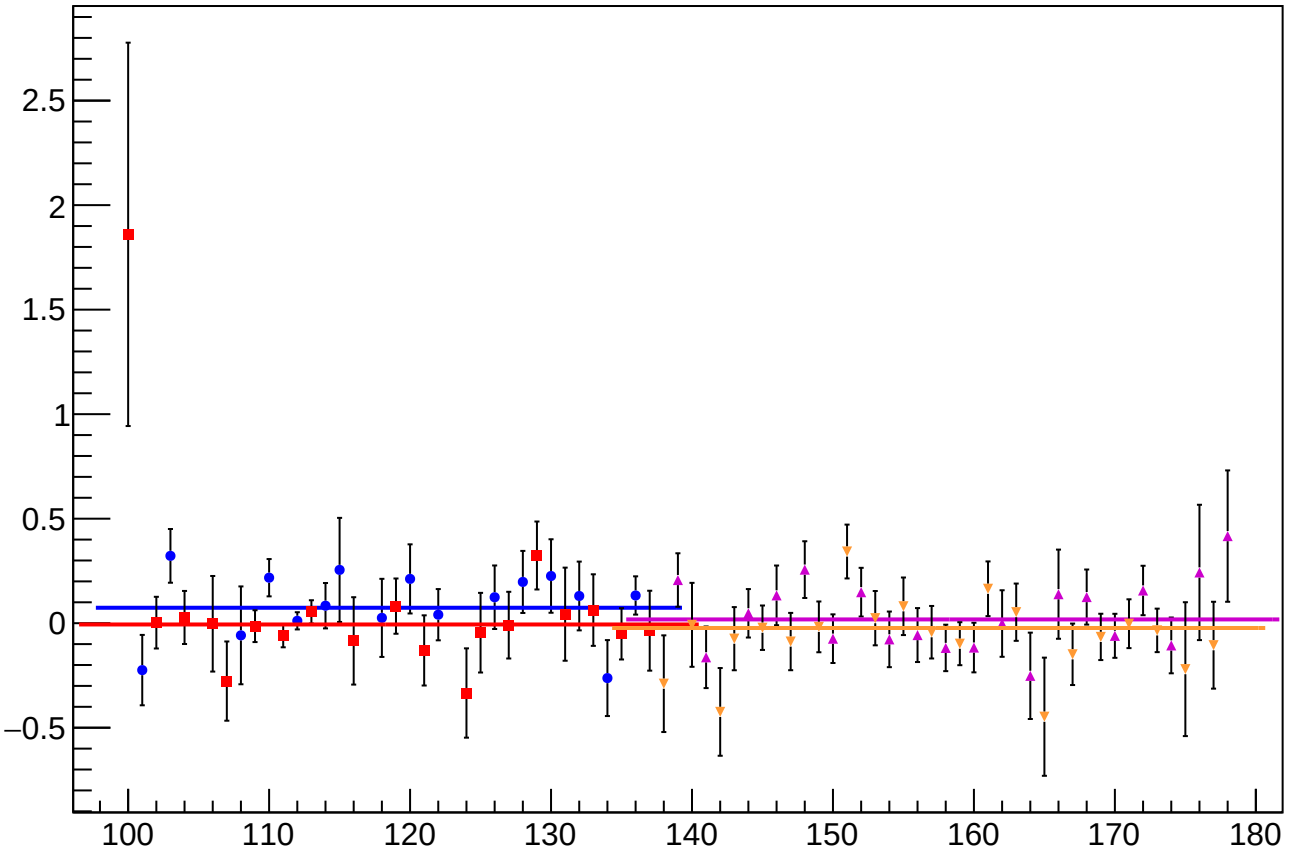
Left: 116.680+/-0.015 χ^2/NDF: 2728274.0/40

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 85.143+/-0.014 χ^2/NDF:8369823.6/35

Out: 87.106+/-0.014 χ^2/NDF:7843637.3/39

All: 86.132+/-0.010 χ^2/NDF: 16222974.8/75



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: 0.018+/-0.030 χ^2/NDF:20.6/19

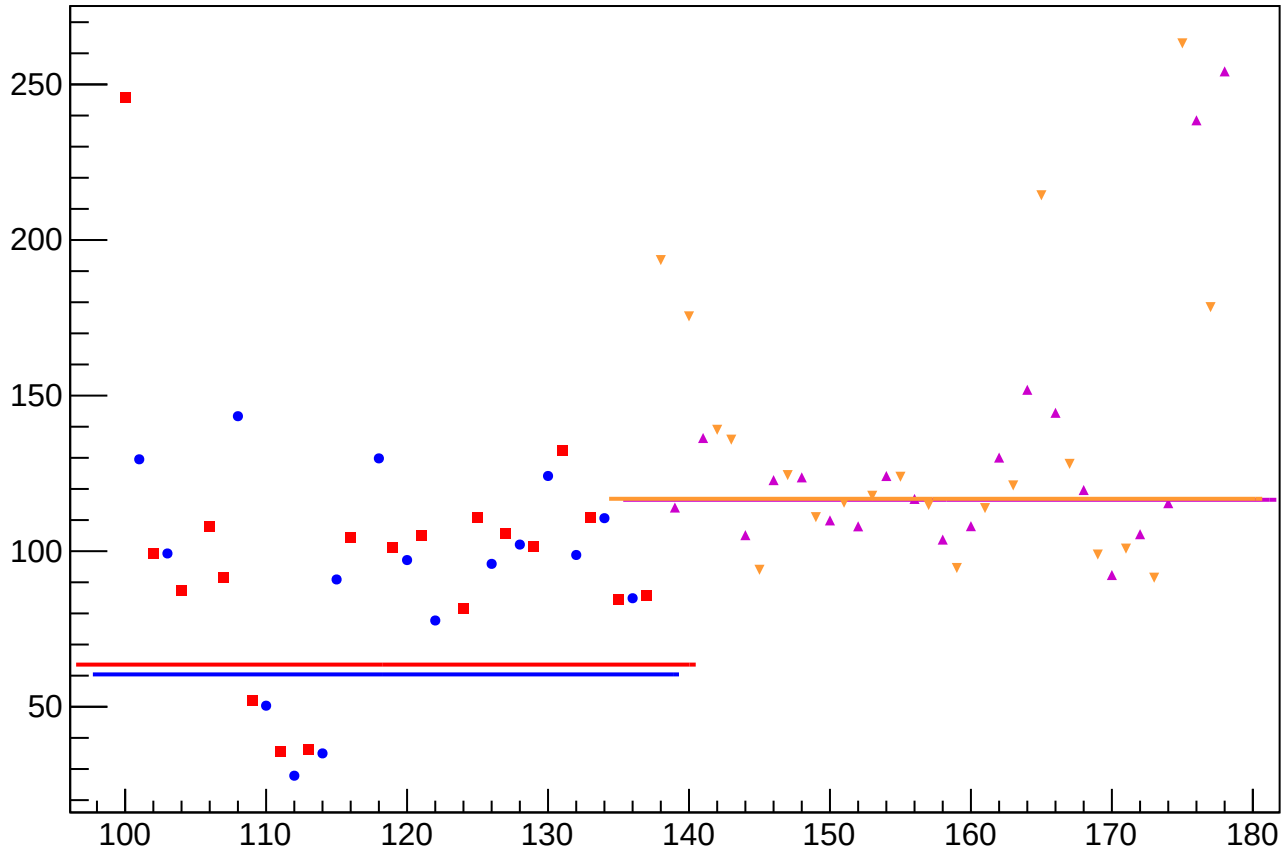
Left: -0.003+/-0.021 χ^2/NDF: 42.2/40

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.049+/-0.020 χ^2/NDF:41.4/35

Out: -0.014+/-0.020 χ^2/NDF:37.3/39

All: 0.018+/-0.014 χ^2/NDF: 83.6/75



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: 116.518+/-0.022 χ^2/NDF:1025865.2/19

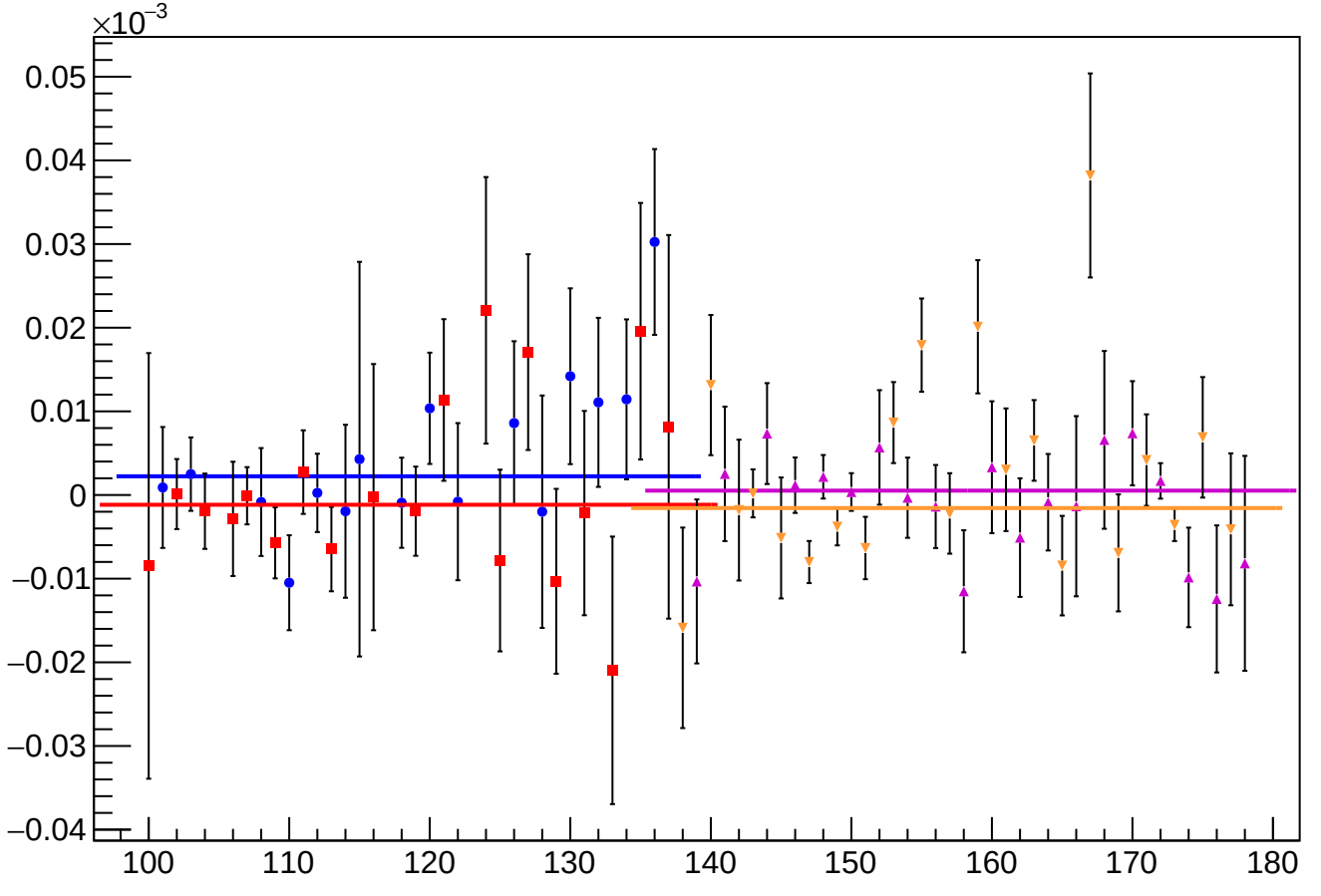
Left: 116.680+/-0.015 χ^2/NDF: 2728274.0/40

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 85.143+/-0.014 χ^2/NDF:8369823.6/35

Out: 87.106+/-0.014 χ^2/NDF:7843637.3/39

All: 86.132+/-0.010 χ^2/NDF: 16222974.8/75



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:14.8/19

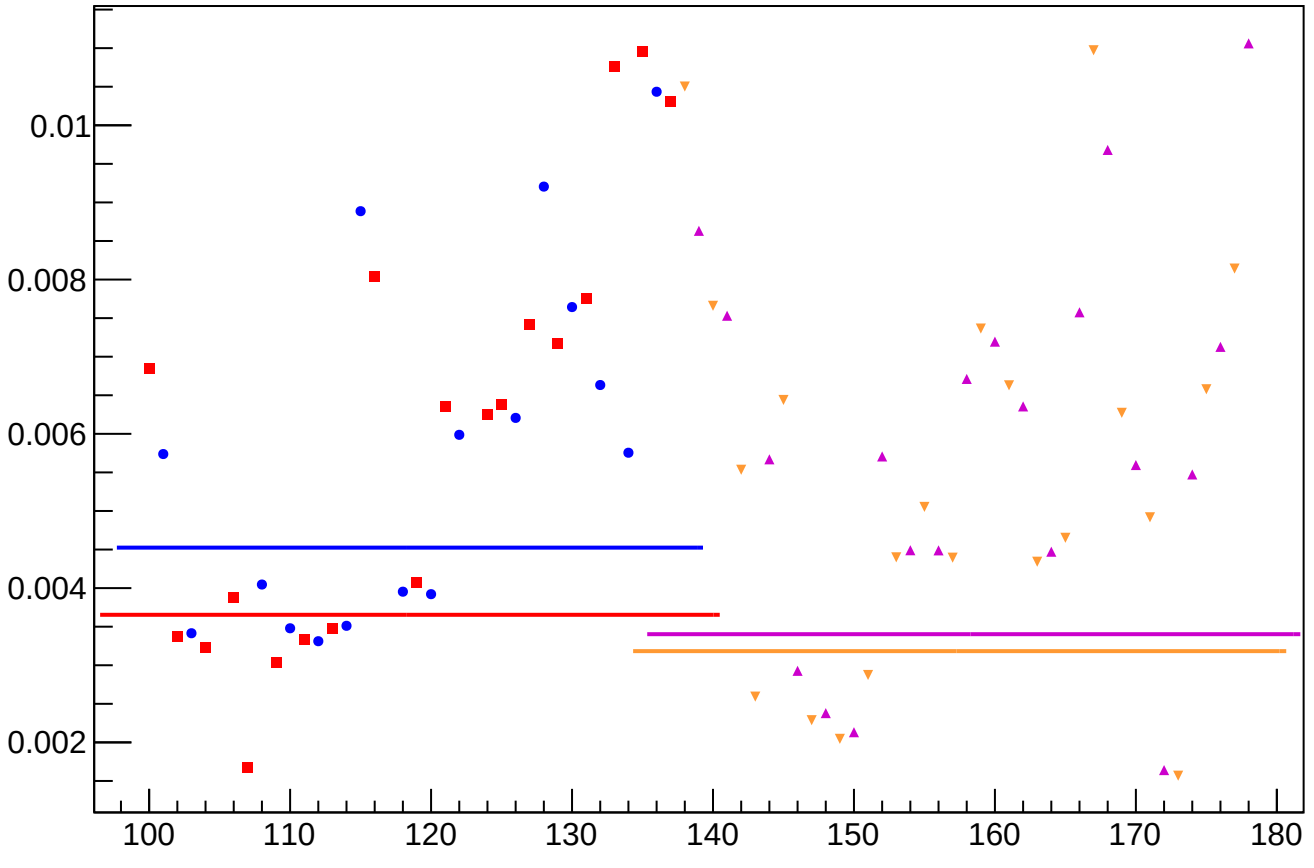
Left: -0.000+/-0.000 χ^2/NDF: 75.0/40

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:33.0/35

Out: -0.000+/-0.000 χ^2/NDF:72.0/39

All: -0.000+/-0.000 χ^2/NDF: 109.0/75



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:8022278.5/19

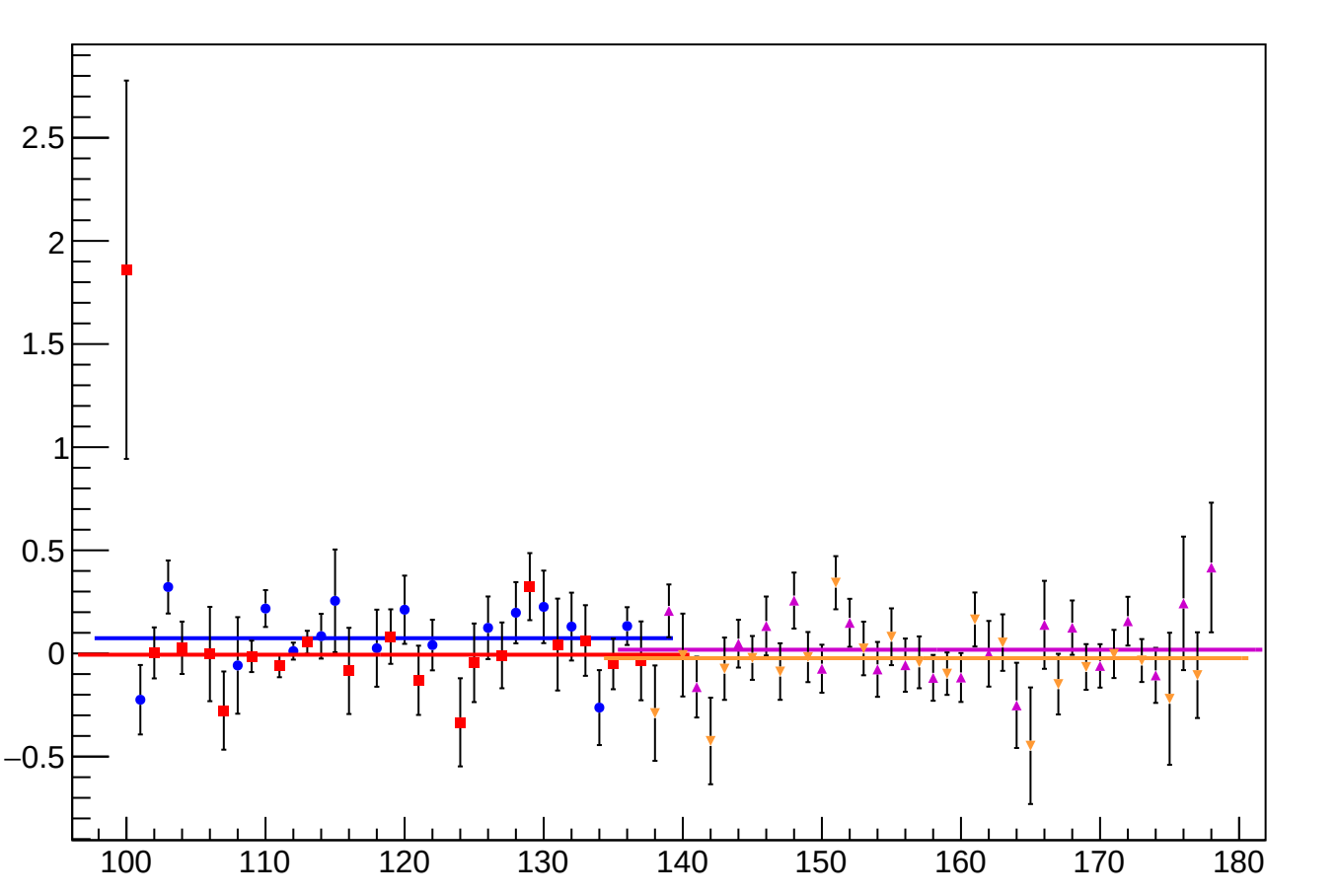
Left: 0.003+/-0.000 χ^2/NDF: 16377873.3/40

Right: 0.004+/-0.000 χ^2/NDF: 4928784.4/34

In: 0.004+/-0.000 χ^2/NDF:10330885.0/35

Out: 0.003+/-0.000 χ^2/NDF:11380142.6/39

All: 0.003+/-0.000 χ^2/NDF: 21893508.0/75



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: 0.018+/-0.030 χ^2/NDF:20.6/19

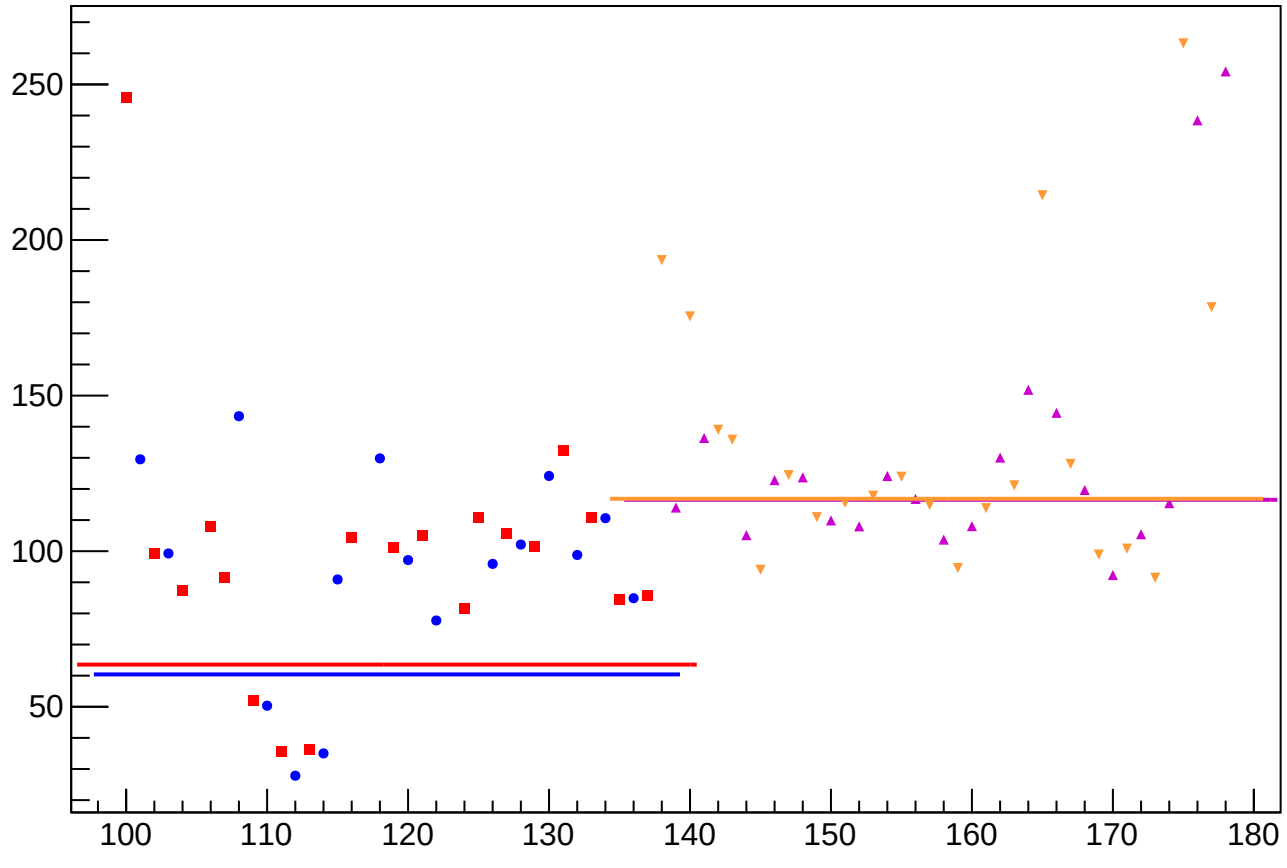
Left: -0.003+/-0.021 χ^2/NDF: 42.2/40

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.049+/-0.020 χ^2/NDF:41.4/35

Out: -0.014+/-0.020 χ^2/NDF:37.3/39

All: 0.018+/-0.014 χ^2/NDF: 83.6/75



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: 116.519+/-0.022 χ^2/NDF:1025822.2/19

Left: 116.681+/-0.015 χ^2/NDF: 2728178.5/40

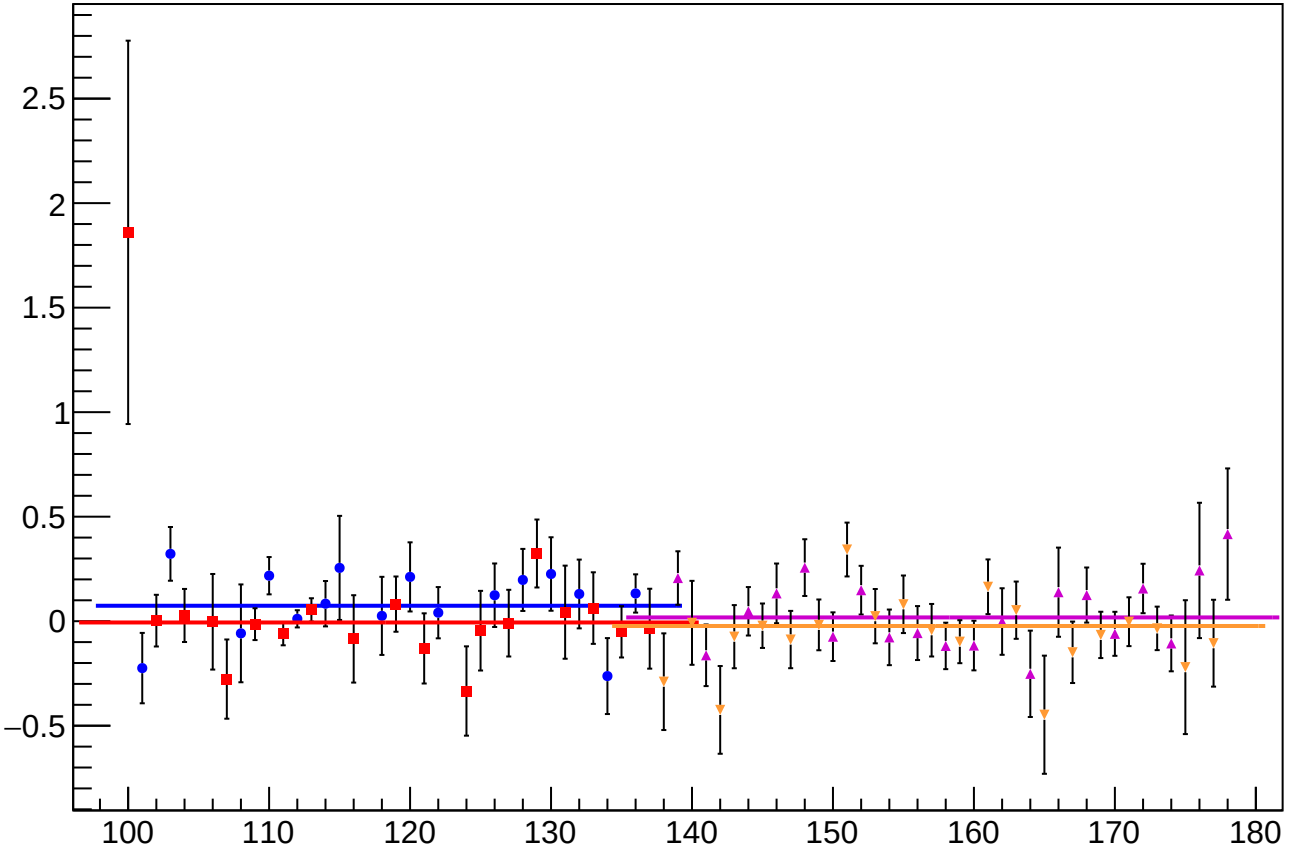
Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 85.142+/-0.014 χ^2/NDF:8370486.3/35

Out: 87.105+/-0.014 χ^2/NDF:7844240.3/39

All: 86.131+/-0.010 χ^2/NDF: 16224243.9/75

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: 0.018+/-0.030 χ^2/NDF:20.6/19

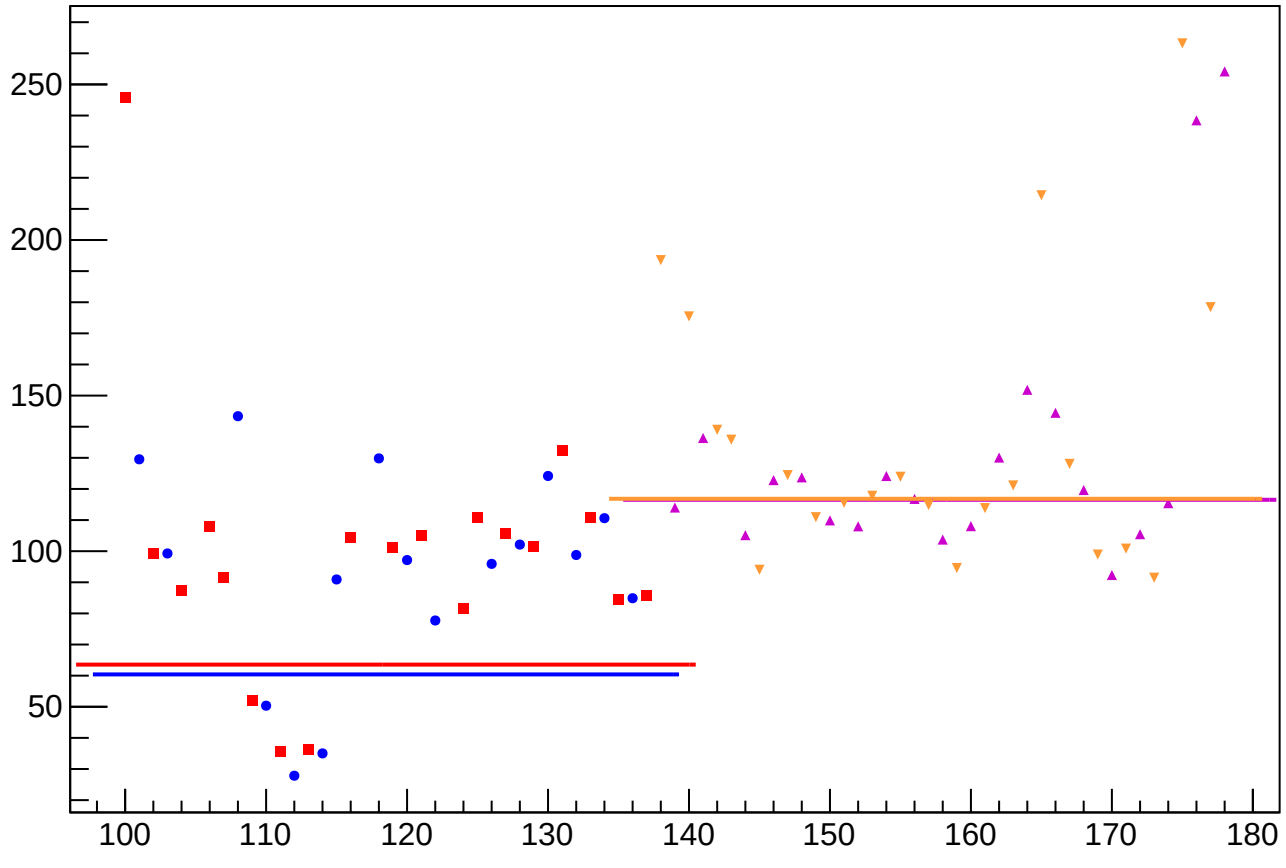
Left: -0.003+/-0.021 χ^2/NDF: 42.2/40

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.049+/-0.020 χ^2/NDF:41.4/35

Out: -0.014+/-0.020 χ^2/NDF:37.3/39

All: 0.018+/-0.014 χ^2/NDF: 83.6/75



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: 116.519+/-0.022 χ^2/NDF:1025822.2/19

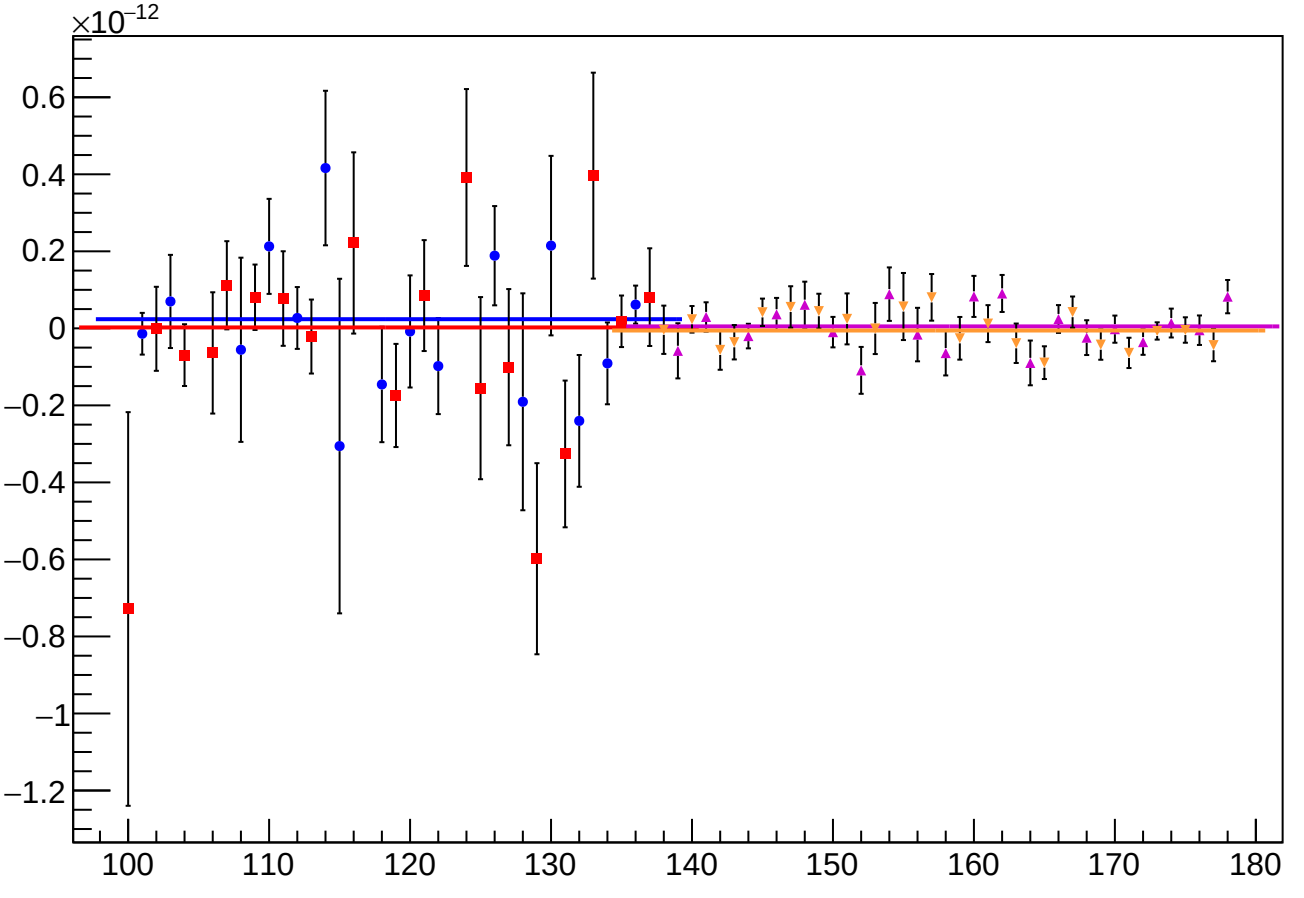
Left: 116.681+/-0.015 χ^2/NDF: 2728178.5/40

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 85.142+/-0.014 χ^2/NDF:8370486.3/35

Out: 87.105+/-0.014 χ^2/NDF:7844240.3/39

All: 86.131+/-0.010 χ^2/NDF: 16224243.9/75



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:23.4/19

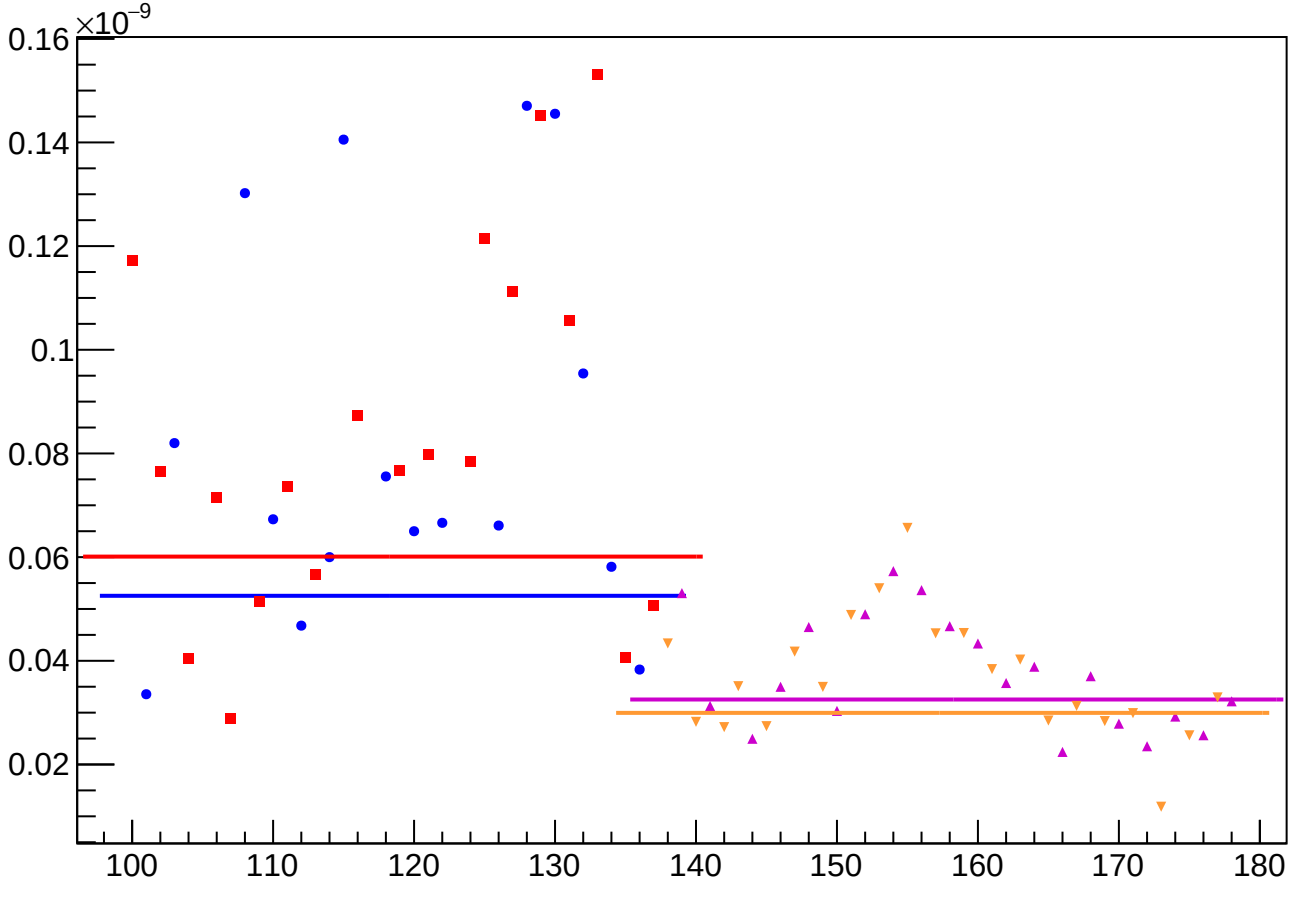
Left: -0.000+/-0.000 χ^2/NDF: 43.0/40

Right: 0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:40.7/35

Out: -0.000+/-0.000 χ^2/NDF:42.3/39

All: 0.000+/-0.000 χ^2/NDF: 83.8/75



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:1660048.5/19

Left: 0.000+/-0.000 χ^2/NDF: 4532345.4/40

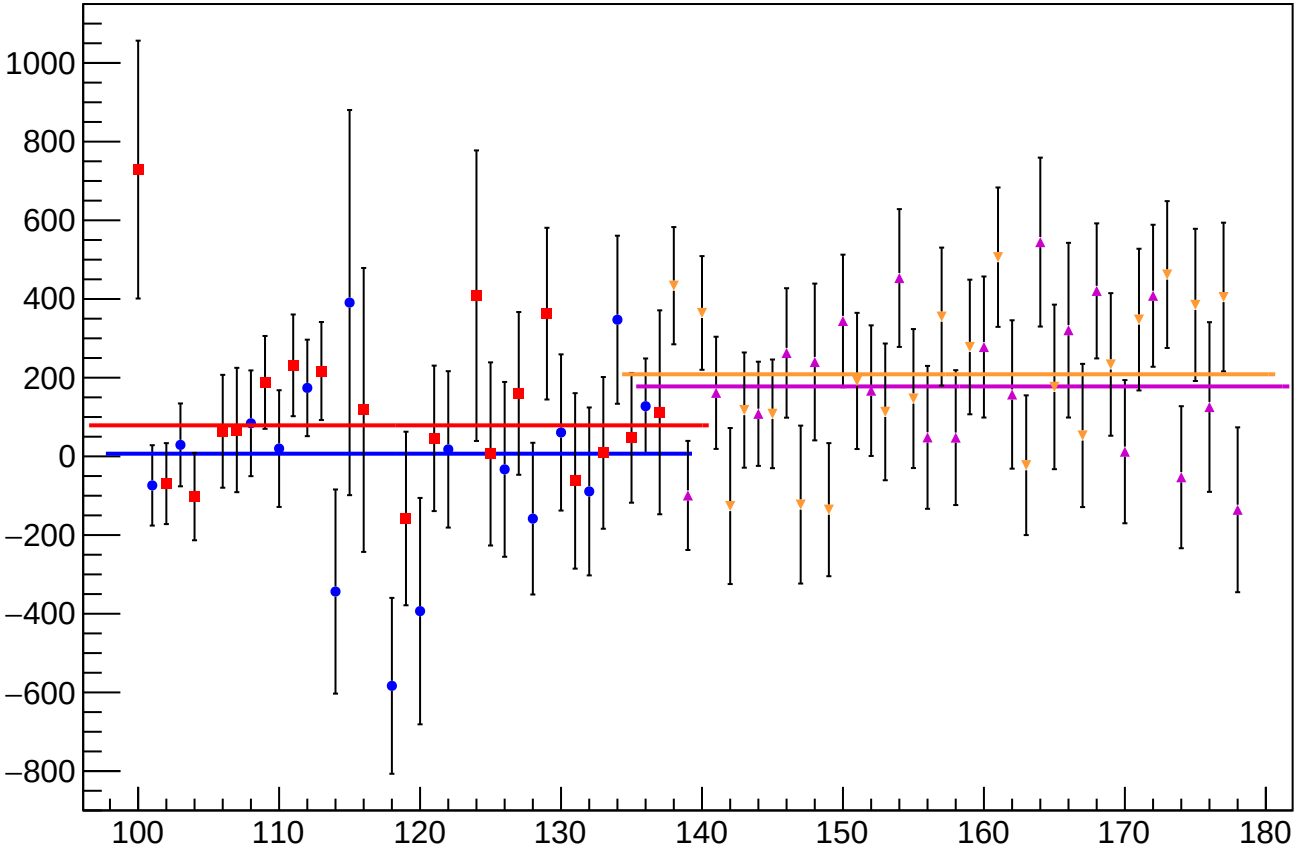
Right: 0.000+/-0.000 χ^2/NDF: 3263531.1/34

In: 0.000+/-0.000 χ^2/NDF:4331181.3/35

Out: 0.000+/-0.000 χ^2/NDF:6314404.5/39

All: 0.000+/-0.000 χ^2/NDF: 10705562.9/75

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: 177.778+/-38.928 χ^2/NDF:21.2/19

Left: 193.717+/-27.080 χ^2/NDF: 46.6/40

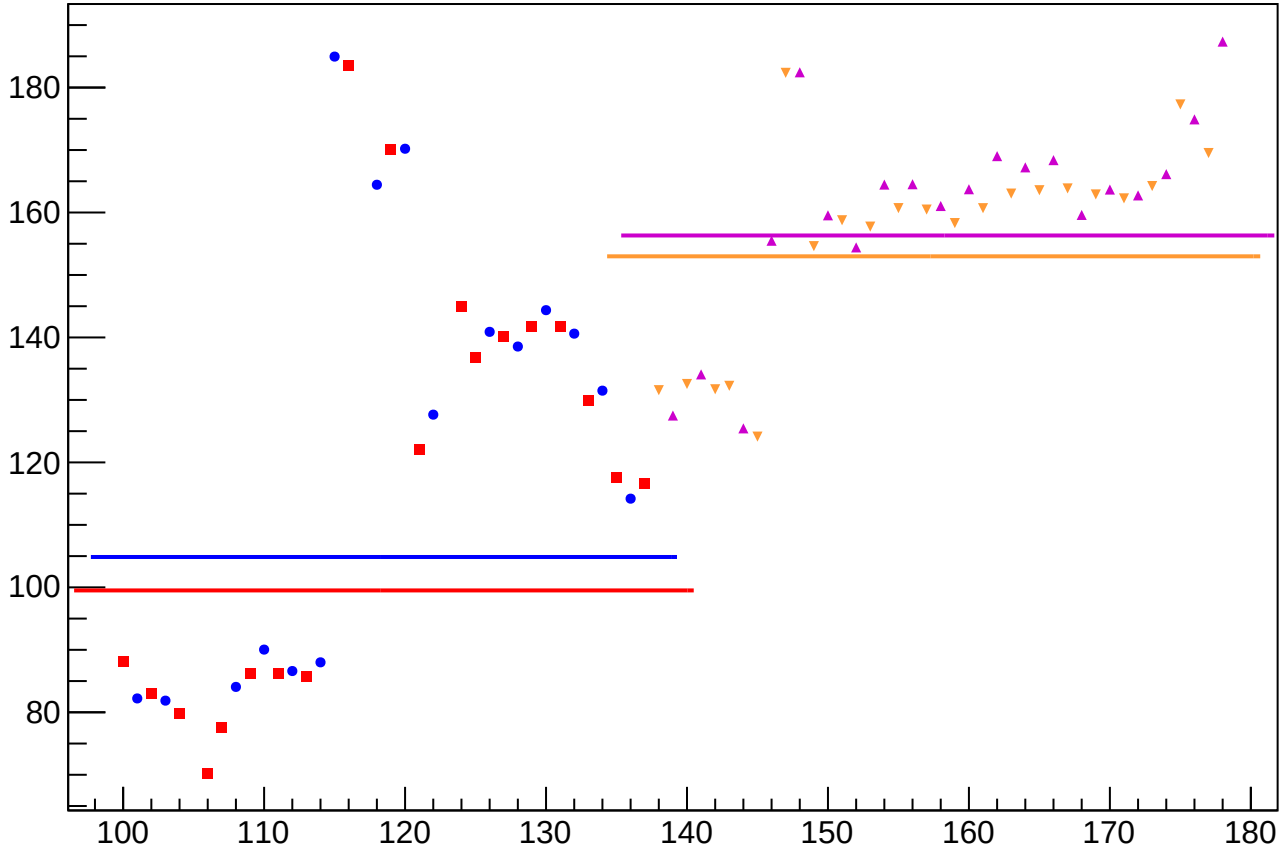
Right: 45.098+/-27.628 χ^2/NDF: 37.2/34

In: 95.366+/-28.017 χ^2/NDF:49.3/35

Out: 144.133+/-26.729 χ^2/NDF:47.6/39

All: 120.896+/-19.339 χ^2/NDF: 98.5/75

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: 156.322+/-0.028 χ^2/NDF:383893.2/19

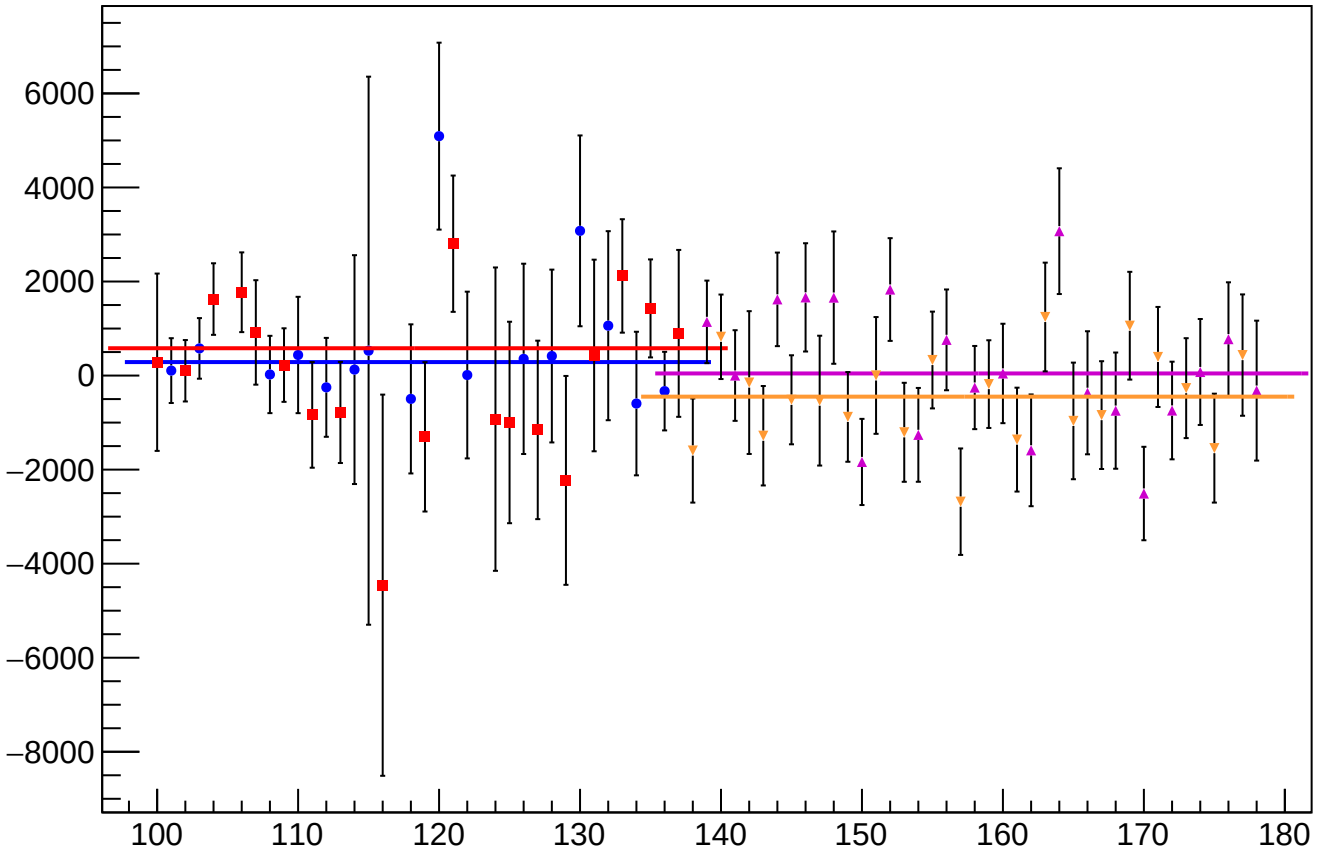
Left: 154.601+/-0.019 χ^2/NDF: 767283.2/40

Right: 102.017+/-0.020 χ^2/NDF: 1988955.2/34

In: 131.516+/-0.020 χ^2/NDF:2999967.2/35

Out: 126.395+/-0.019 χ^2/NDF:3416317.8/39

All: 128.835+/-0.014 χ^2/NDF: 6451254.9/75



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: 45.160+/-241.877 χ^2/NDF:31.6/19

Left: -203.860+/-170.254 χ^2/NDF: 49.8/40

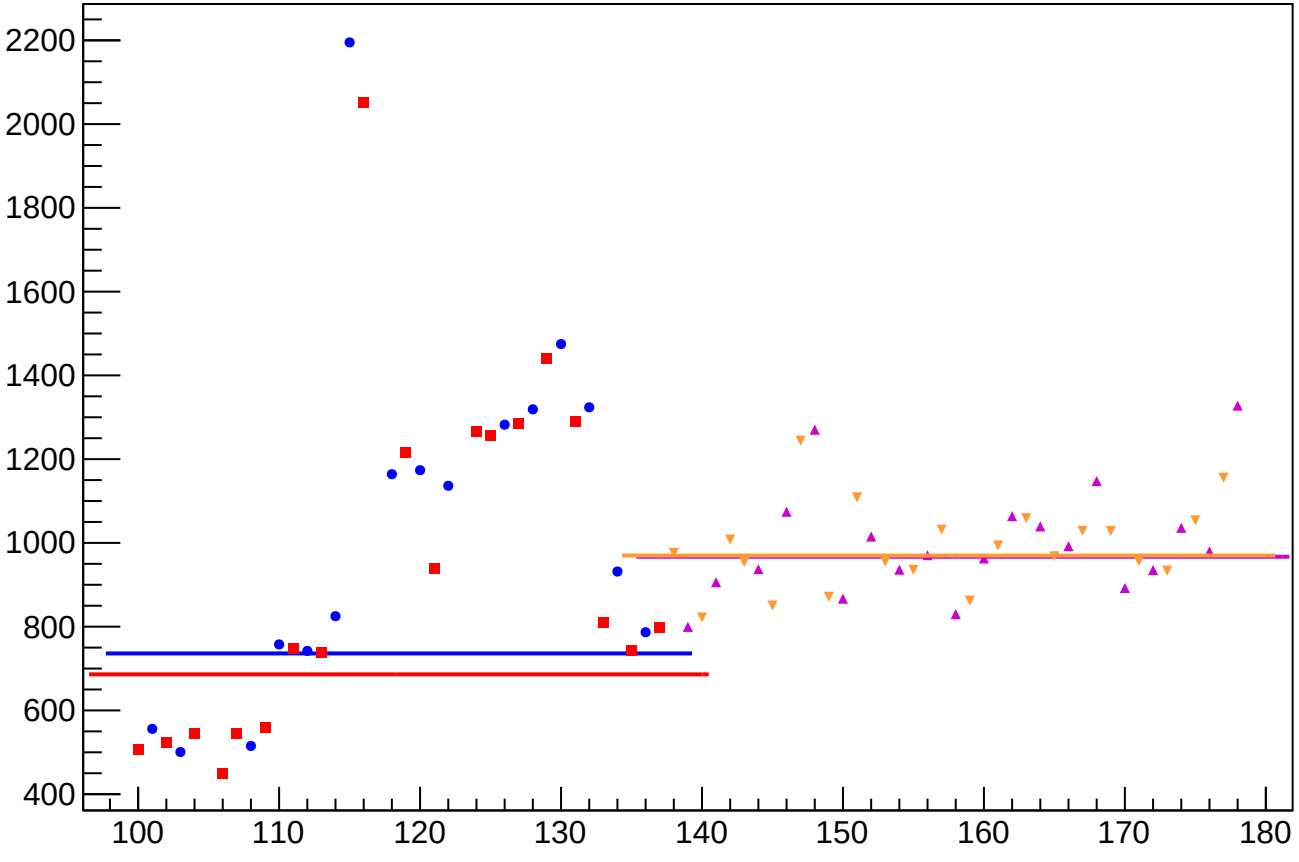
Right: 446.427+/-198.610 χ^2/NDF: 29.0/34

In: 142.952+/-186.652 χ^2/NDF:41.7/35

Out: 5.818+/-179.182 χ^2/NDF:42.9/39

All: 71.586+/-129.261 χ^2/NDF: 85.0/75

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: 966.958+/-0.171 χ^2/NDF:472029.1/19

Left: 968.423+/-0.120 χ^2/NDF: 798668.1/40

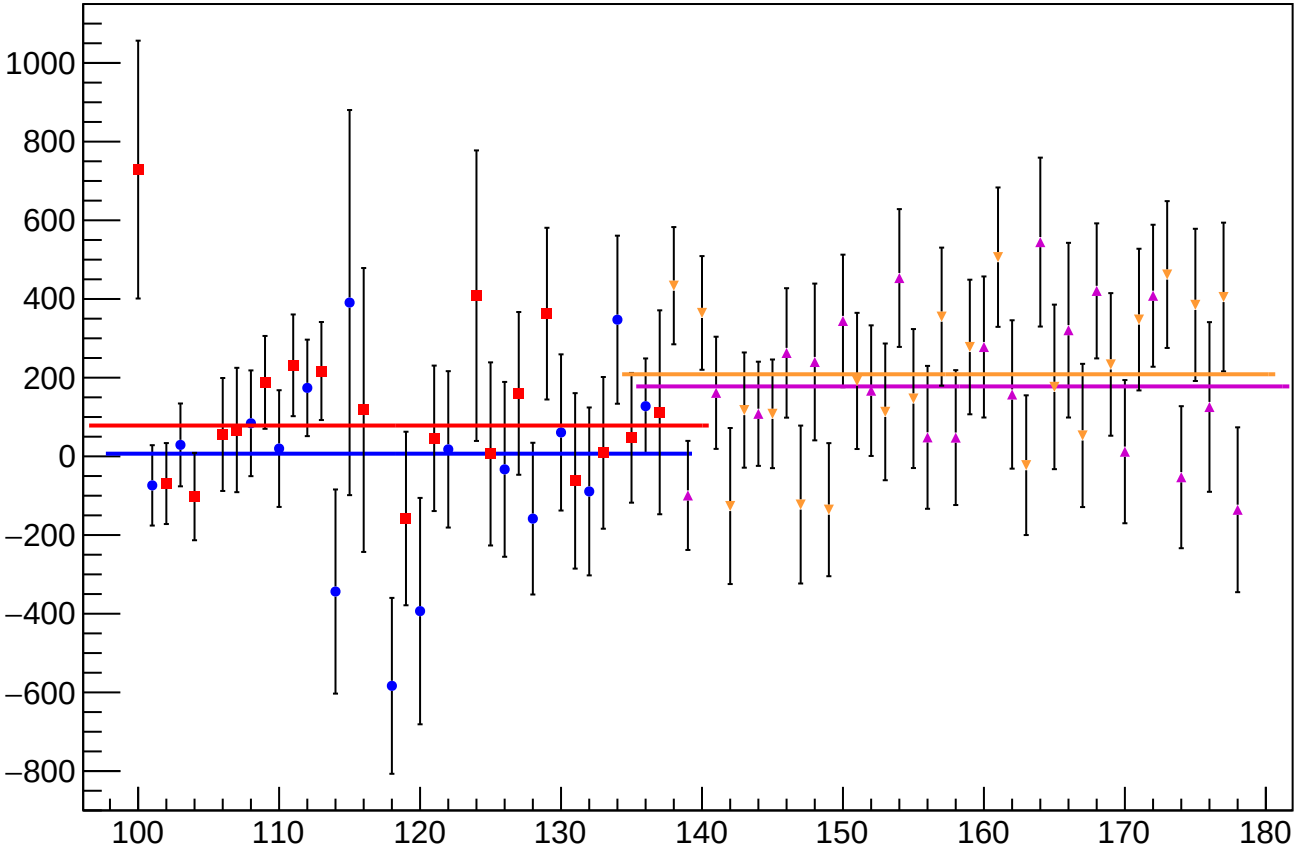
Right: 708.997+/-0.140 χ^2/NDF: 3695106.9/34

In: 873.568+/-0.132 χ^2/NDF:3053611.5/35

Out: 844.683+/-0.127 χ^2/NDF:3382192.3/39

All: 858.536+/-0.091 χ^2/NDF: 6460729.0/75

cor_asym_sam5_mean vs Slug, Sign Corrected



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: 177.782+/-38.928 χ^2/NDF:21.2/19

Left: 193.719+/-27.080 χ^2/NDF: 46.6/40

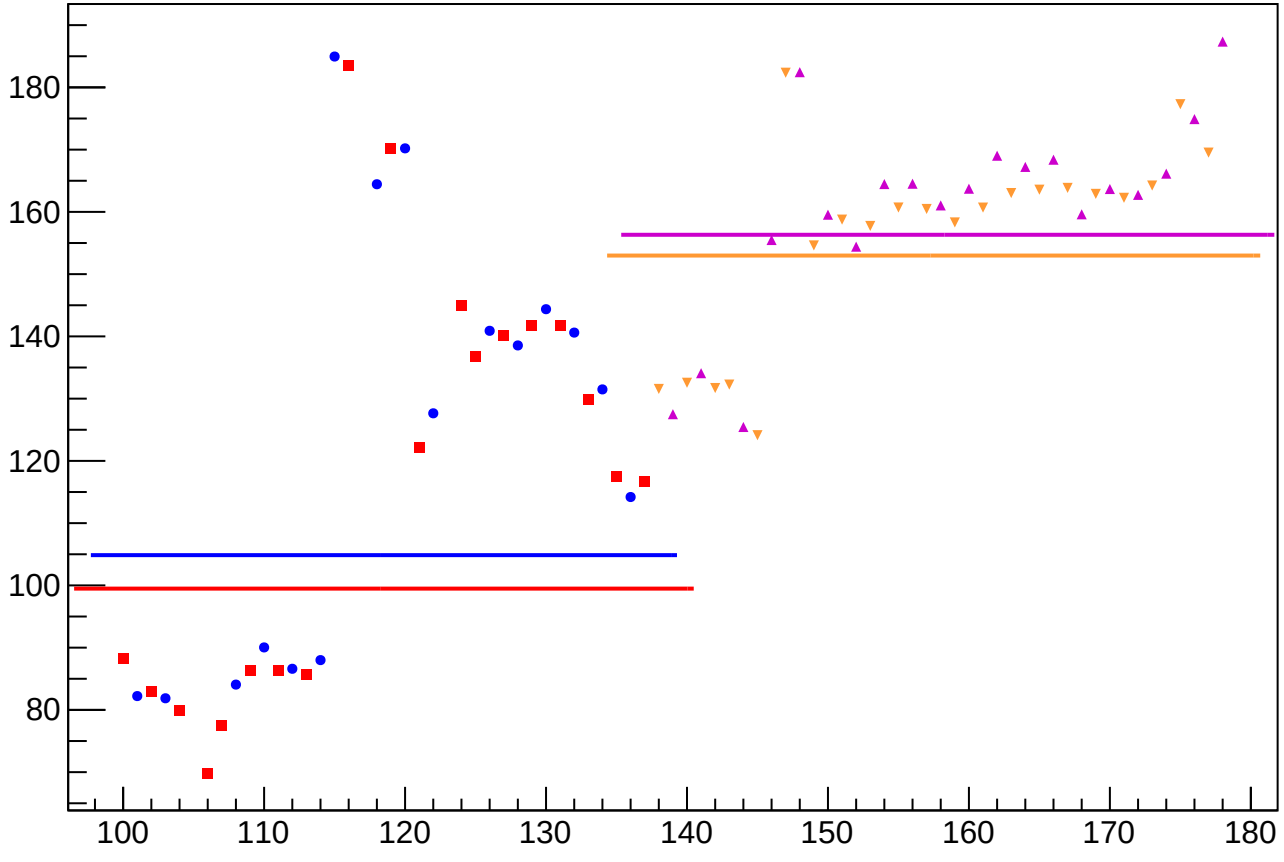
Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 95.363+/-28.017 χ^2/NDF:49.3/35

Out: 143.871+/-26.730 χ^2/NDF:47.7/39

All: 120.756+/-19.340 χ^2/NDF: 98.5/75

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: 156.322+/-0.028 χ^2/NDF:383893.3/19

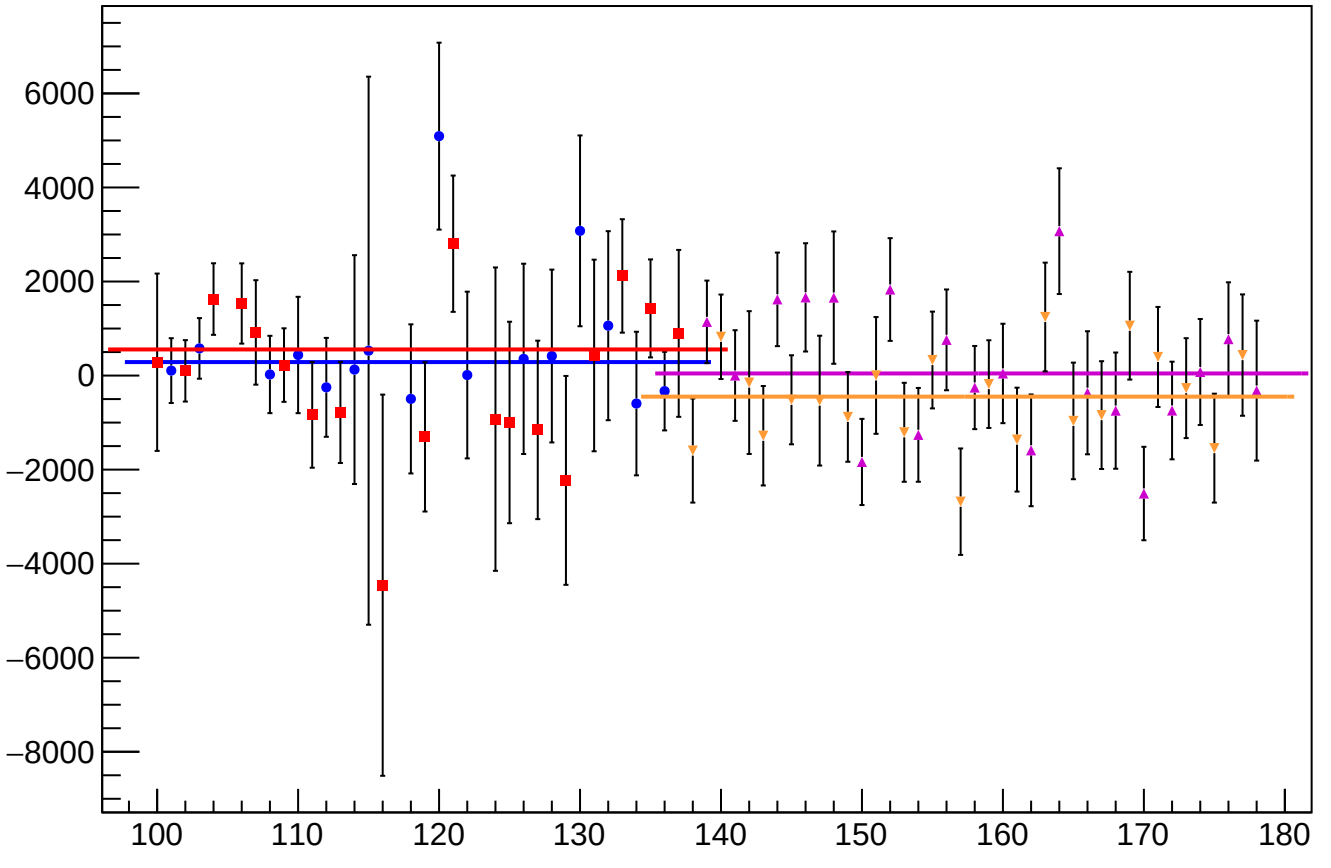
Left: 154.601+/-0.019 χ^2/NDF: 767283.2/40

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 131.516+/-0.020 χ^2/NDF:2999965.3/35

Out: 126.385+/-0.019 χ^2/NDF:3420150.5/39

All: 128.830+/-0.014 χ^2/NDF: 6455221.4/75



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: 45.161+/-241.877 χ^2/NDF:31.6/19

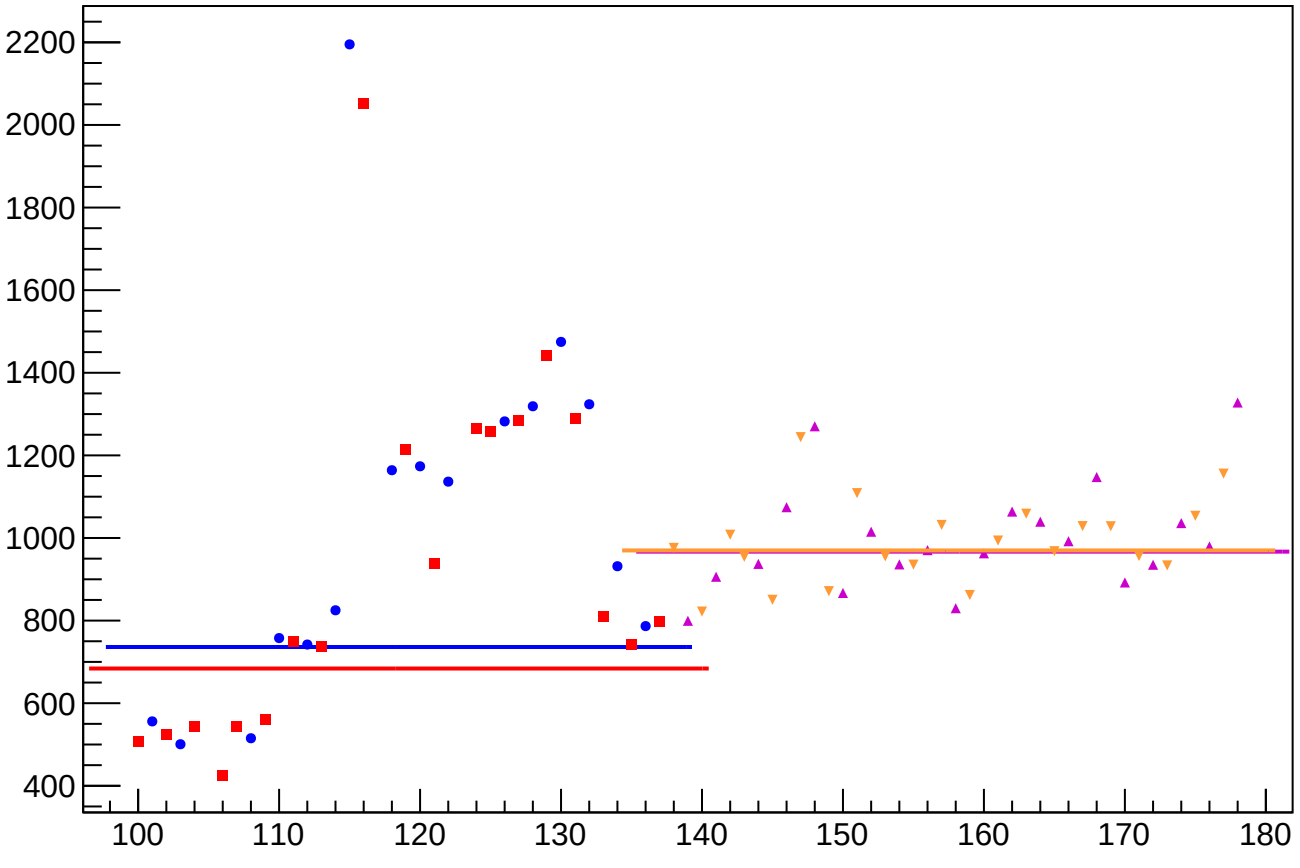
Left: -203.858+/-170.254 χ^2/NDF: 49.8/40

Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 142.954+/-186.652 χ^2/NDF:41.7/35

Out: -5.880+/-179.235 χ^2/NDF:41.8/39

All: 65.521+/-129.281 χ^2/NDF: 83.9/75



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: 966.958+/-0.171 χ^2/NDF:472032.2/19

Left: 968.423+/-0.120 χ^2/NDF: 798669.5/40

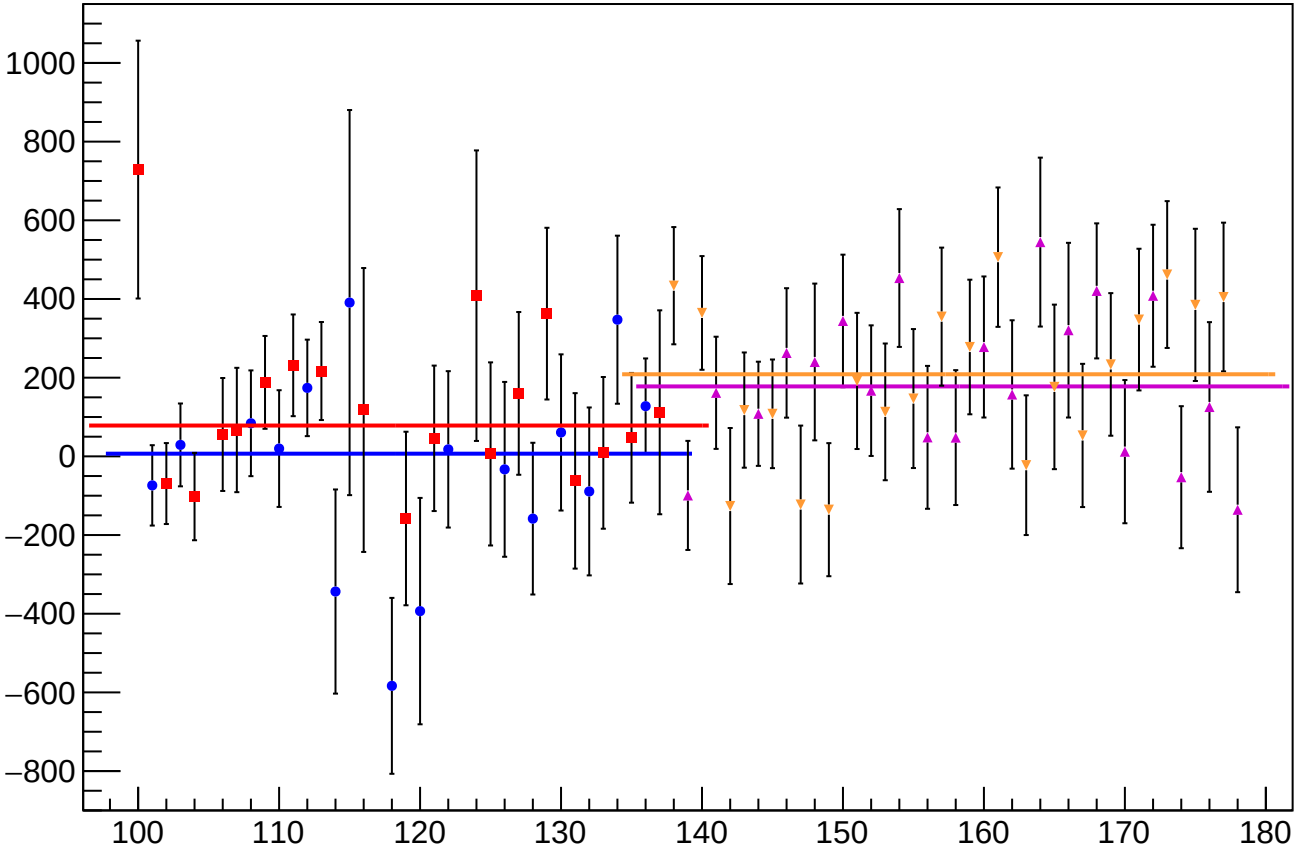
Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 873.567+/-0.132 χ^2/NDF:3053620.5/35

Out: 843.838+/-0.127 χ^2/NDF:3431105.5/39

All: 858.100+/-0.091 χ^2/NDF: 6511123.4/75

eigen_cor_asym_sam5_mean vs Slug, Sign Corrected



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: 177.782+/-38.928 χ^2/NDF:21.2/19

Left: 193.719+/-27.080 χ^2/NDF: 46.6/40

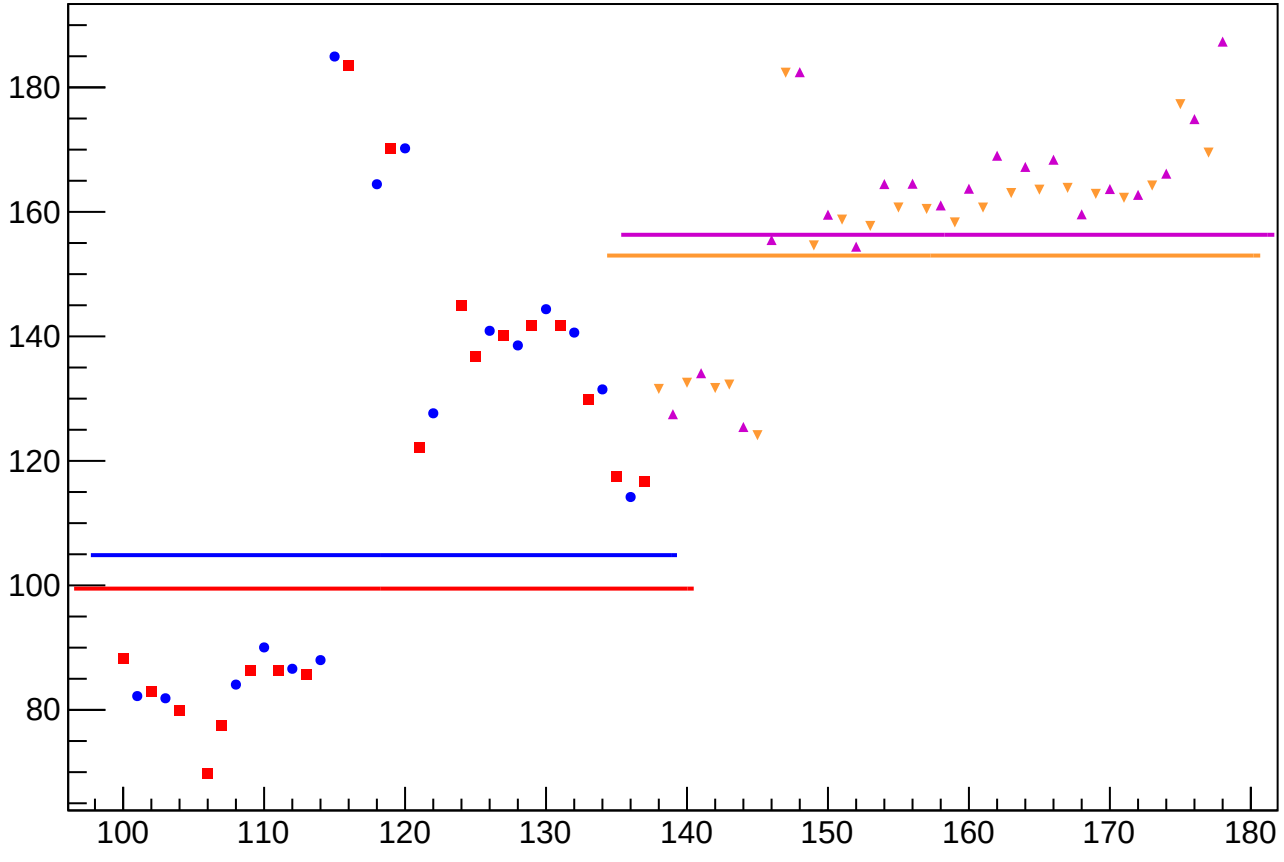
Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 95.363+/-28.017 χ^2/NDF:49.3/35

Out: 143.871+/-26.730 χ^2/NDF:47.7/39

All: 120.756+/-19.340 χ^2/NDF: 98.5/75

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: 156.322+/-0.028 χ^2/NDF:383893.3/19

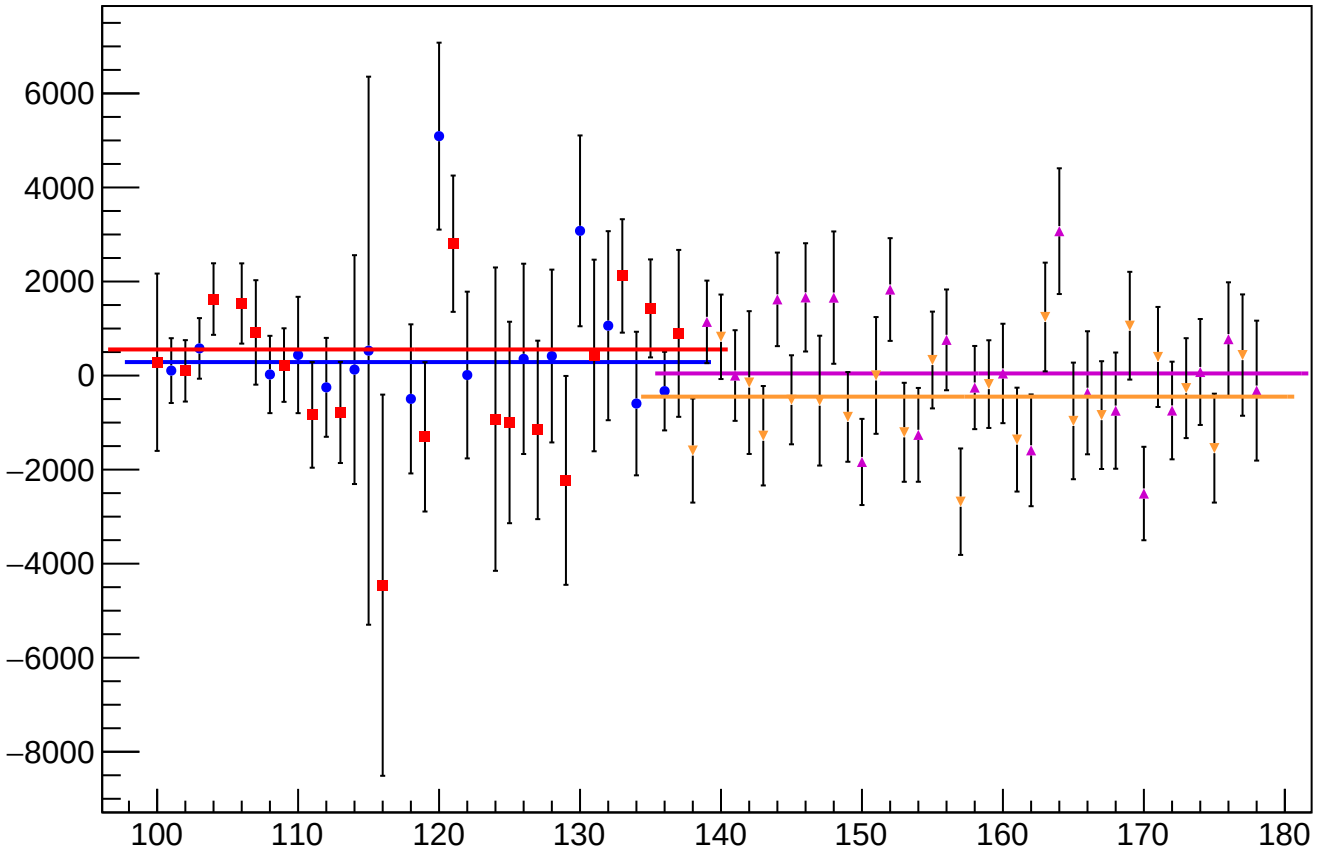
Left: 154.601+/-0.019 χ^2/NDF: 767283.2/40

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 131.516+/-0.020 χ^2/NDF:2999965.3/35

Out: 126.385+/-0.019 χ^2/NDF:3420150.5/39

All: 128.830+/-0.014 χ^2/NDF: 6455221.4/75



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: 45.161+/-241.877 χ^2/NDF:31.6/19

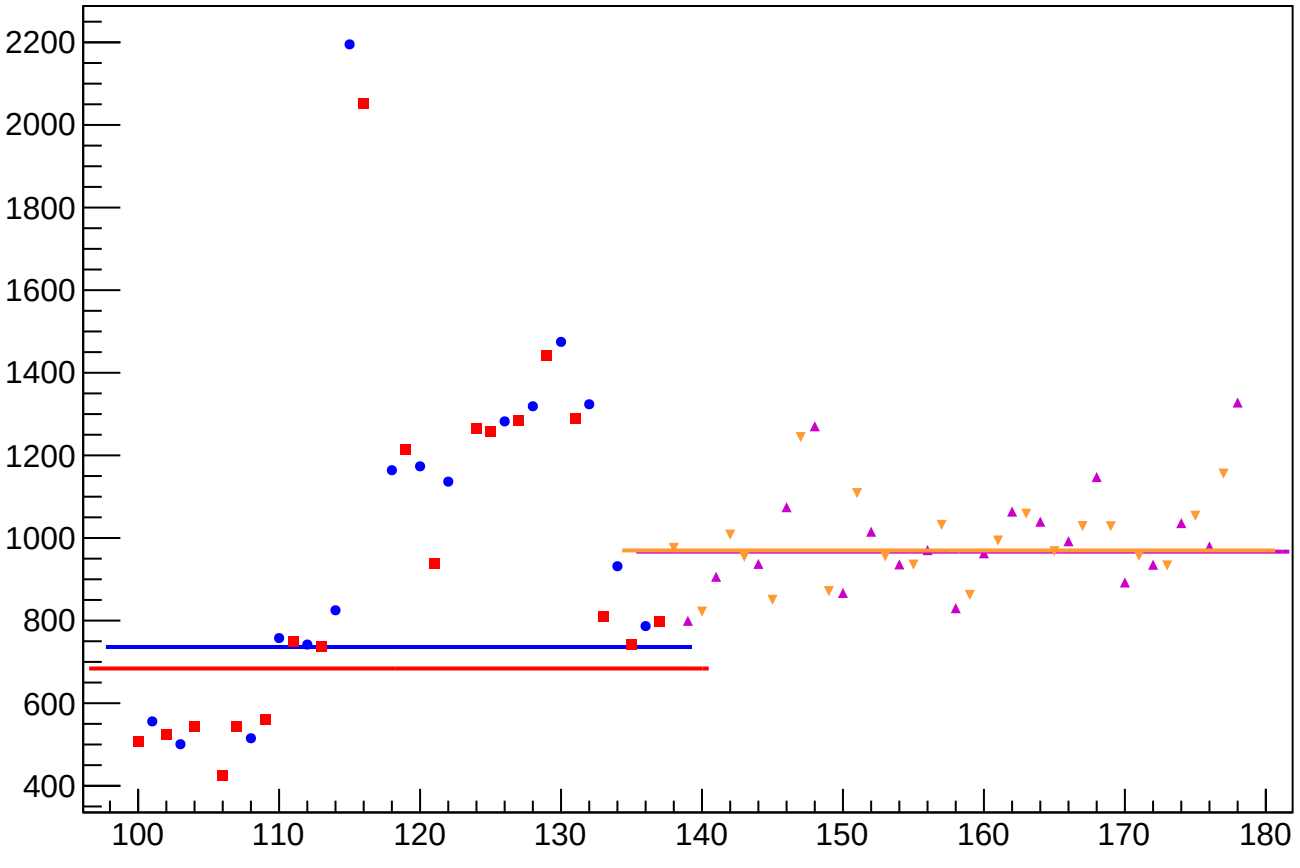
Left: -203.858+/-170.254 χ^2/NDF: 49.8/40

Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 142.954+/-186.652 χ^2/NDF:41.7/35

Out: -5.880+/-179.235 χ^2/NDF:41.8/39

All: 65.521+/-129.281 χ^2/NDF: 83.9/75



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: 966.958+/-0.171 χ^2/NDF:472032.2/19

Left: 968.423+/-0.120 χ^2/NDF: 798669.5/40

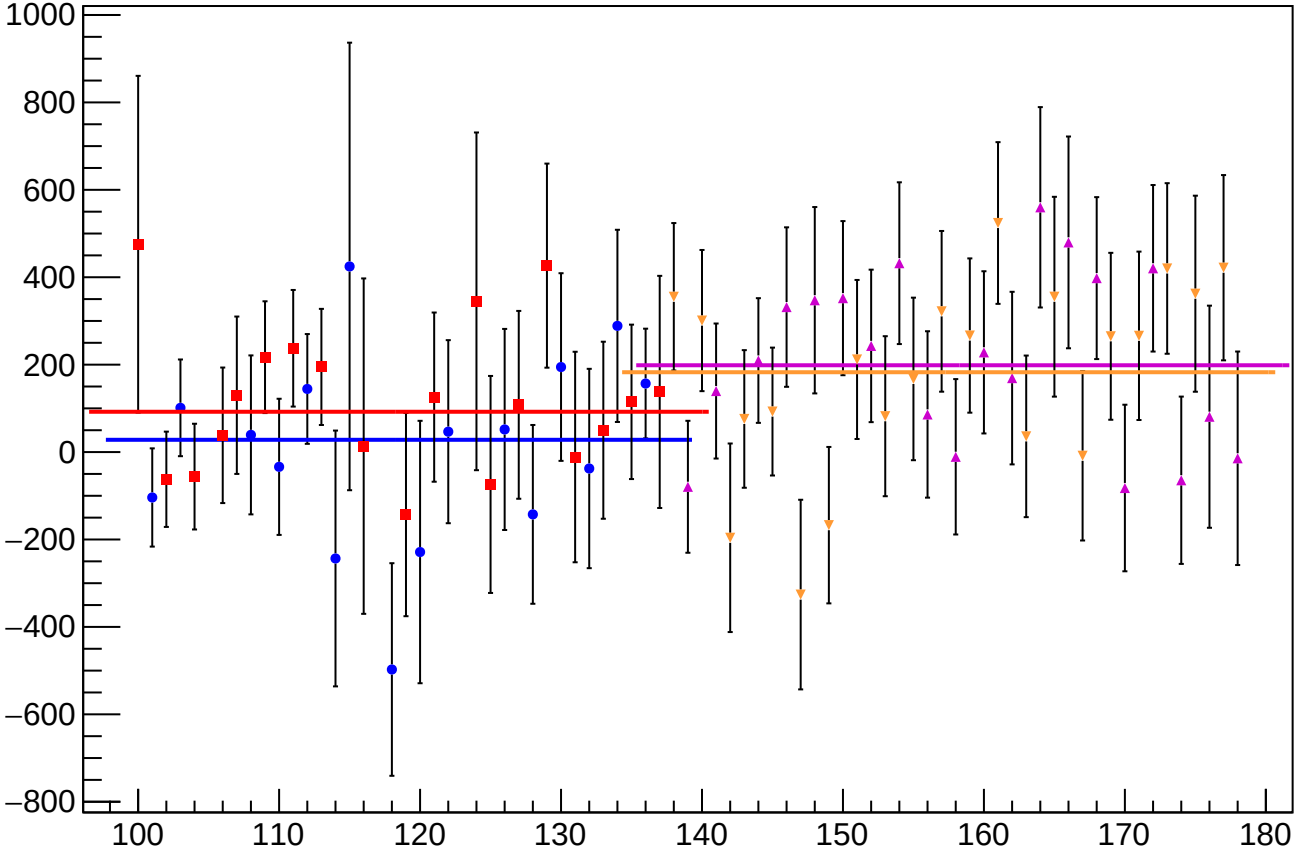
Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 873.567+/-0.132 χ^2/NDF:3053620.5/35

Out: 843.838+/-0.127 χ^2/NDF:3431105.5/39

All: 858.100+/-0.091 χ^2/NDF: 6511123.4/75

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: 198.630+/-41.701 χ^2/NDF:20.1/19

Left: 190.401+/-29.022 χ^2/NDF: 45.5/40

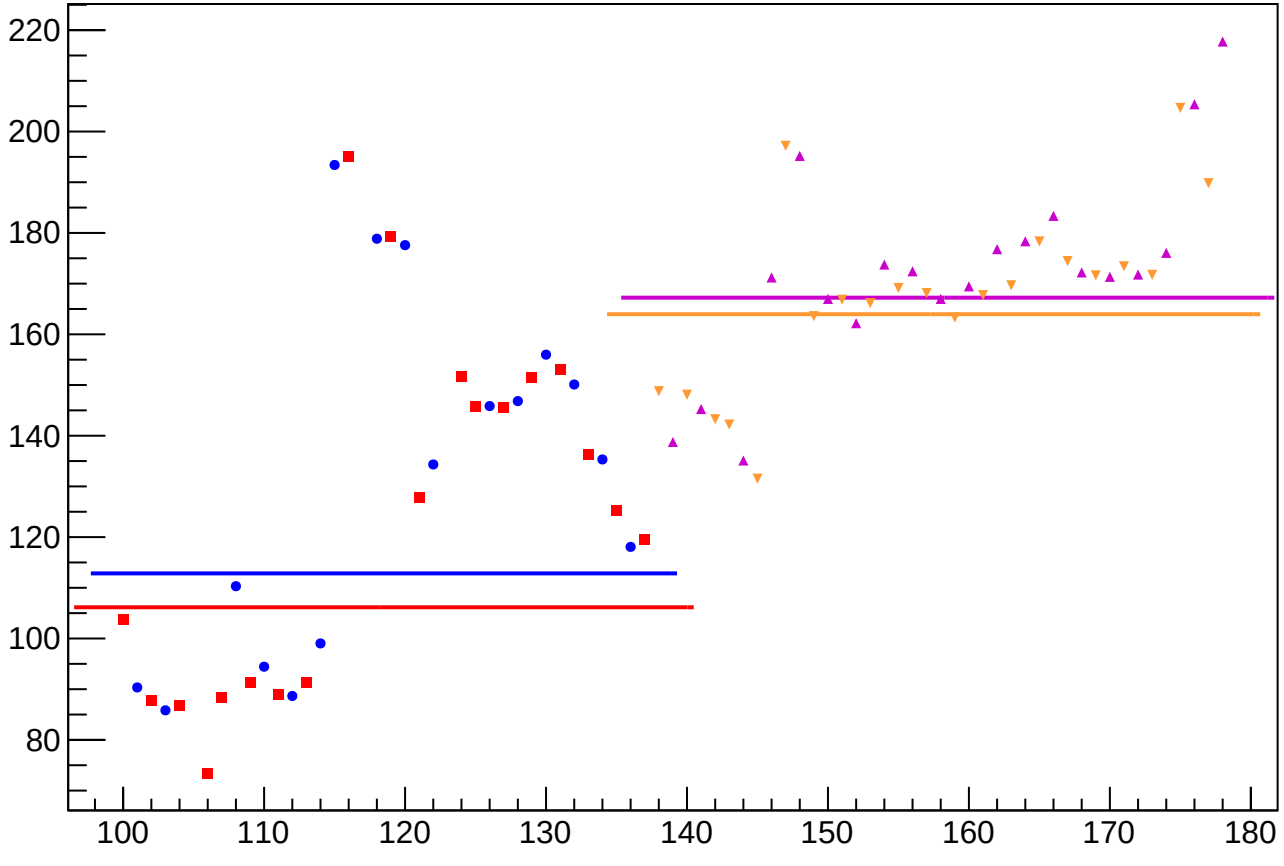
Right: 62.383+/-29.638 χ^2/NDF: 26.4/34

In: 116.841+/-30.083 χ^2/NDF:41.7/35

Out: 137.598+/-28.621 χ^2/NDF:39.5/39

All: 127.736+/-20.736 χ^2/NDF: 81.5/75

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: 167.230+/-0.029 χ^2/NDF:410996.9/19

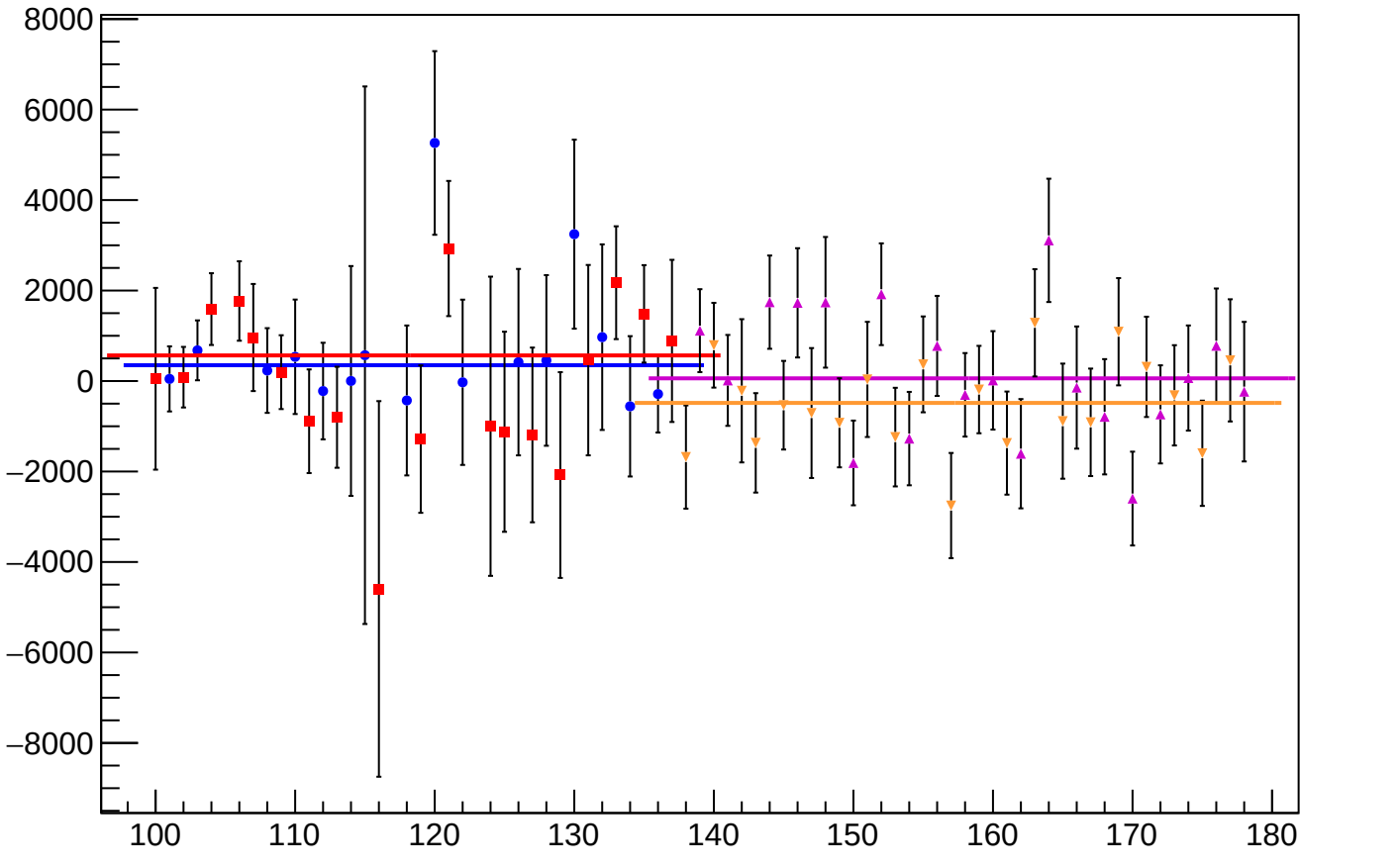
Left: 165.547+/-0.021 χ^2/NDF: 781464.7/40

Right: 109.270+/-0.021 χ^2/NDF: 1899683.8/34

In: 141.146+/-0.021 χ^2/NDF:2914779.0/35

Out: 135.152+/-0.020 χ^2/NDF:3406031.8/39

All: 137.999+/-0.015 χ^2/NDF: 6362487.7/75



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: 59.341+/-250.396 χ^2/NDF:31.1/19

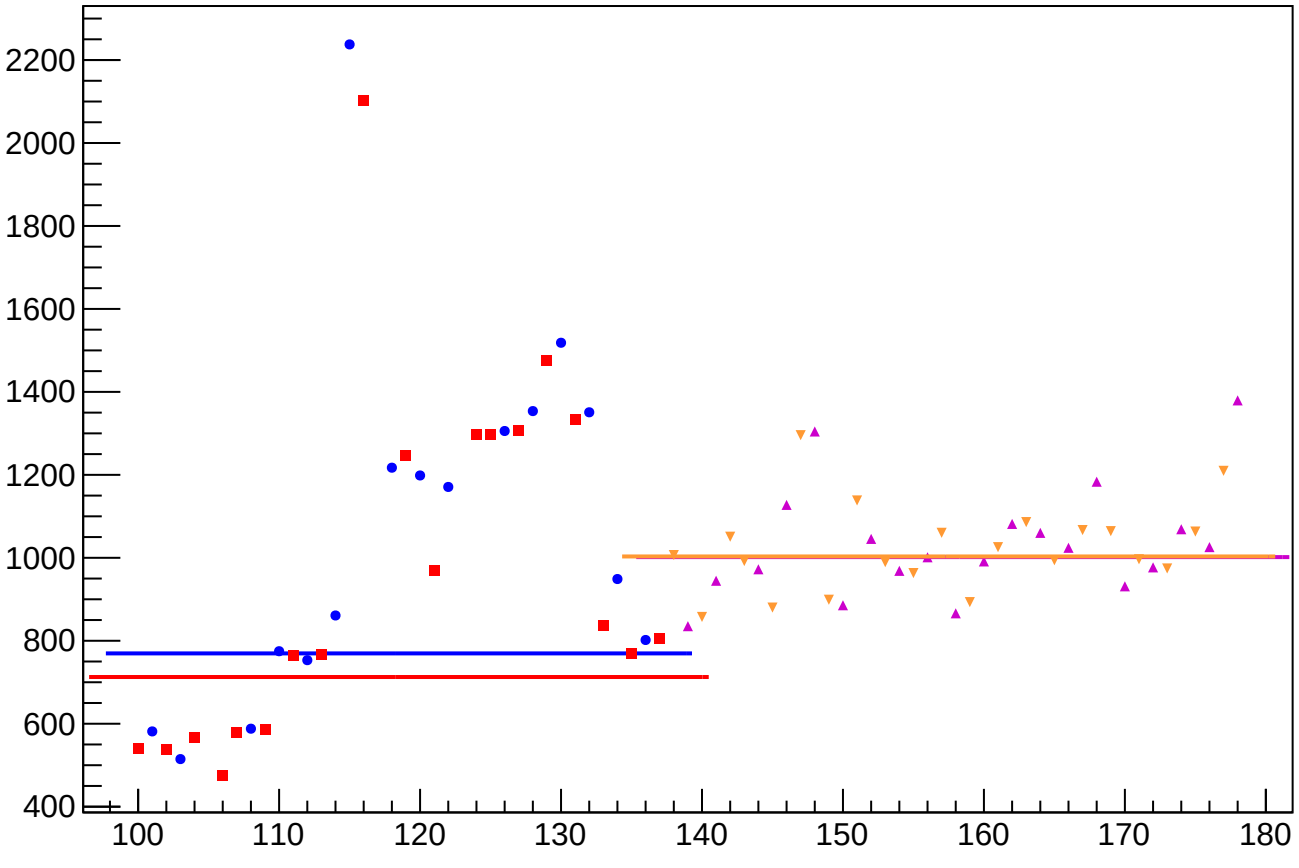
Left: -215.145+/-176.118 χ^2/NDF: 49.3/40

Right: 467.239+/-206.051 χ^2/NDF: 28.4/34

In: 175.860+/-193.615 χ^2/NDF:41.4/35

Out: -21.379+/-185.322 χ^2/NDF:42.0/39

All: 72.926+/-133.878 χ^2/NDF: 84.0/75



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: 1001.699+/-0.177 χ^2/NDF:454343.0/19

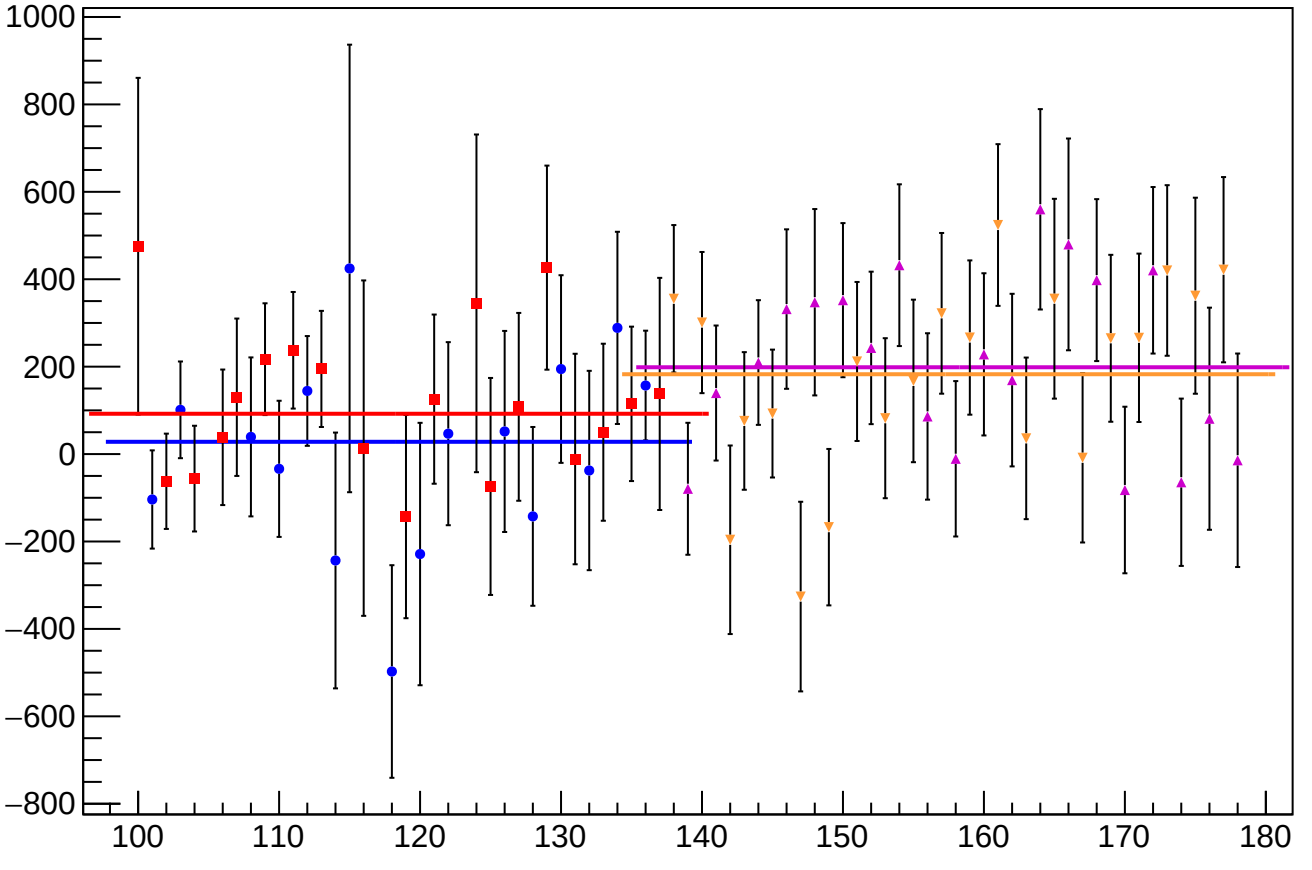
Left: 1002.486+/-0.125 χ^2/NDF: 773524.6/40

Right: 738.555+/-0.146 χ^2/NDF: 3545027.5/34

In: 908.353+/-0.137 χ^2/NDF:2885514.5/35

Out: 875.230+/-0.131 χ^2/NDF:3298651.7/39

All: 891.067+/-0.095 χ^2/NDF: 6214714.5/75



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: 198.630+/-41.701 χ^2/NDF:20.1/19

Left: 190.401+/-29.022 χ^2/NDF: 45.5/40

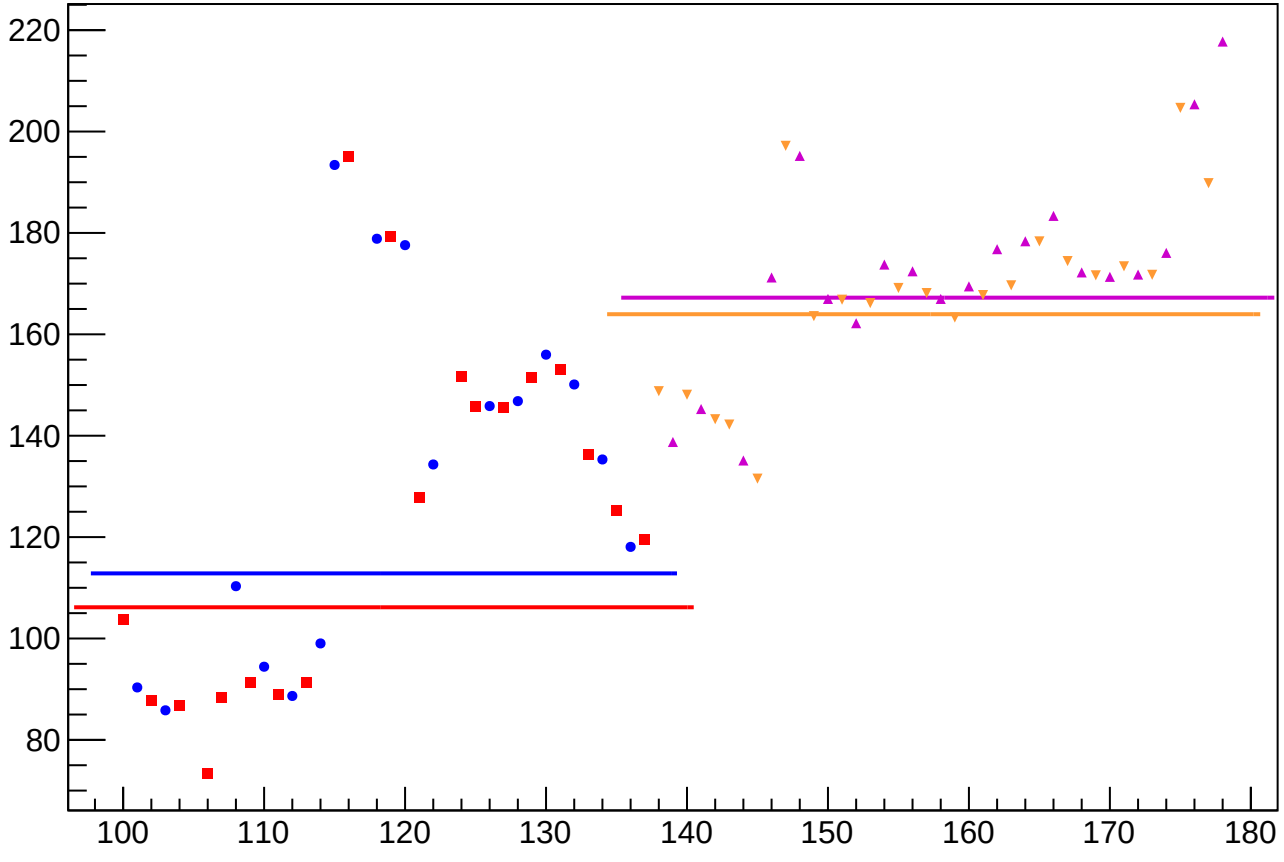
Right: 62.383+/-29.637 χ^2/NDF: 26.4/34

In: 116.840+/-30.083 χ^2/NDF:41.7/35

Out: 137.598+/-28.621 χ^2/NDF:39.5/39

All: 127.736+/-20.736 χ^2/NDF: 81.5/75

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: 167.230+/-0.029 χ^2/NDF:410985.1/19

Left: 165.548+/-0.021 χ^2/NDF: 781449.4/40

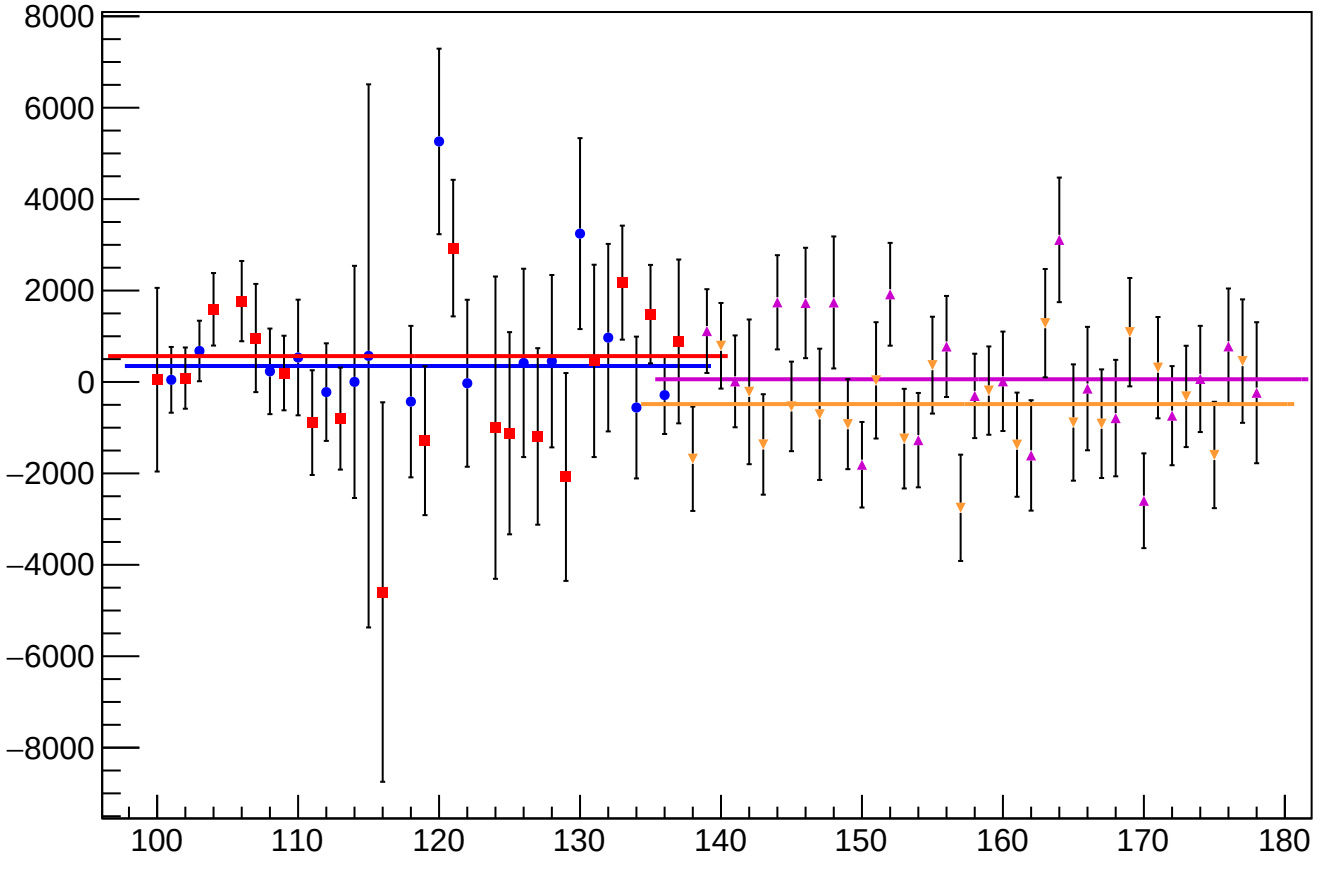
Right: 109.270+/-0.021 χ^2/NDF: 1899665.6/34

In: 141.145+/-0.021 χ^2/NDF:2914797.1/35

Out: 135.151+/-0.020 χ^2/NDF:3406043.9/39

All: 137.999+/-0.015 χ^2/NDF: 6362518.0/75

asym_sam5_eigen_dit_correction_mean vs Slug, Sign Corrected



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: 59.341+/-250.396 χ^2/NDF:31.1/19

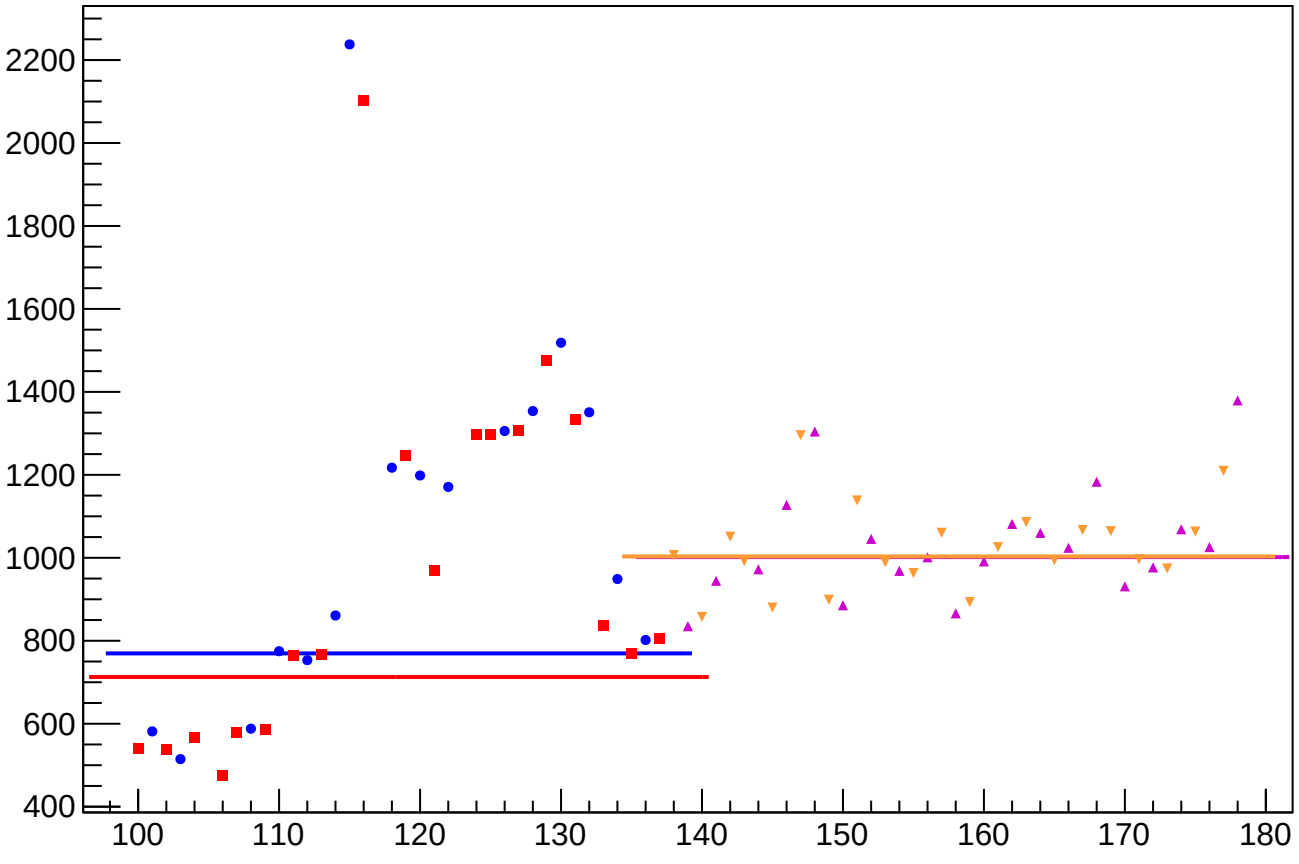
Left: -215.144+/-176.118 χ^2/NDF: 49.3/40

Right: 467.238+/-206.050 χ^2/NDF: 28.4/34

In: 175.861+/-193.615 χ^2/NDF:41.4/35

Out: -21.377+/-185.322 χ^2/NDF:42.0/39

All: 72.927+/-133.878 χ^2/NDF: 84.0/75



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: 1001.700+/-0.177 χ^2/NDF:454342.3/19

Left: 1002.488+/-0.125 χ^2/NDF: 773521.1/40

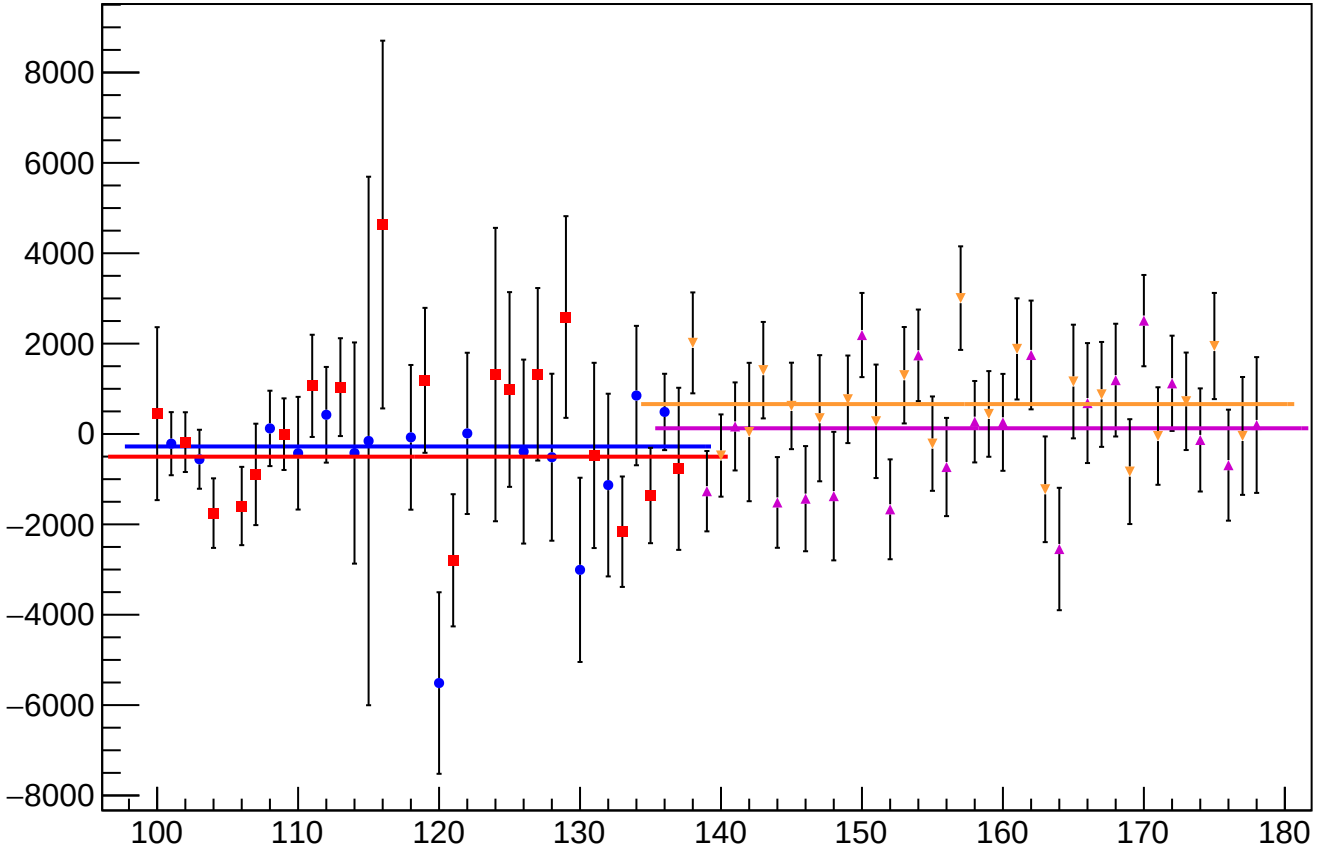
Right: 738.554+/-0.146 χ^2/NDF: 3545017.2/34

In: 908.353+/-0.137 χ^2/NDF:2885526.3/35

Out: 875.229+/-0.131 χ^2/NDF:3298663.2/39

All: 891.067+/-0.095 χ^2/NDF: 6214738.1/75

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: 126.493+/-245.190 χ^2/NDF:32.3/19

Left: 396.687+/-172.526 χ^2/NDF: 51.5/40

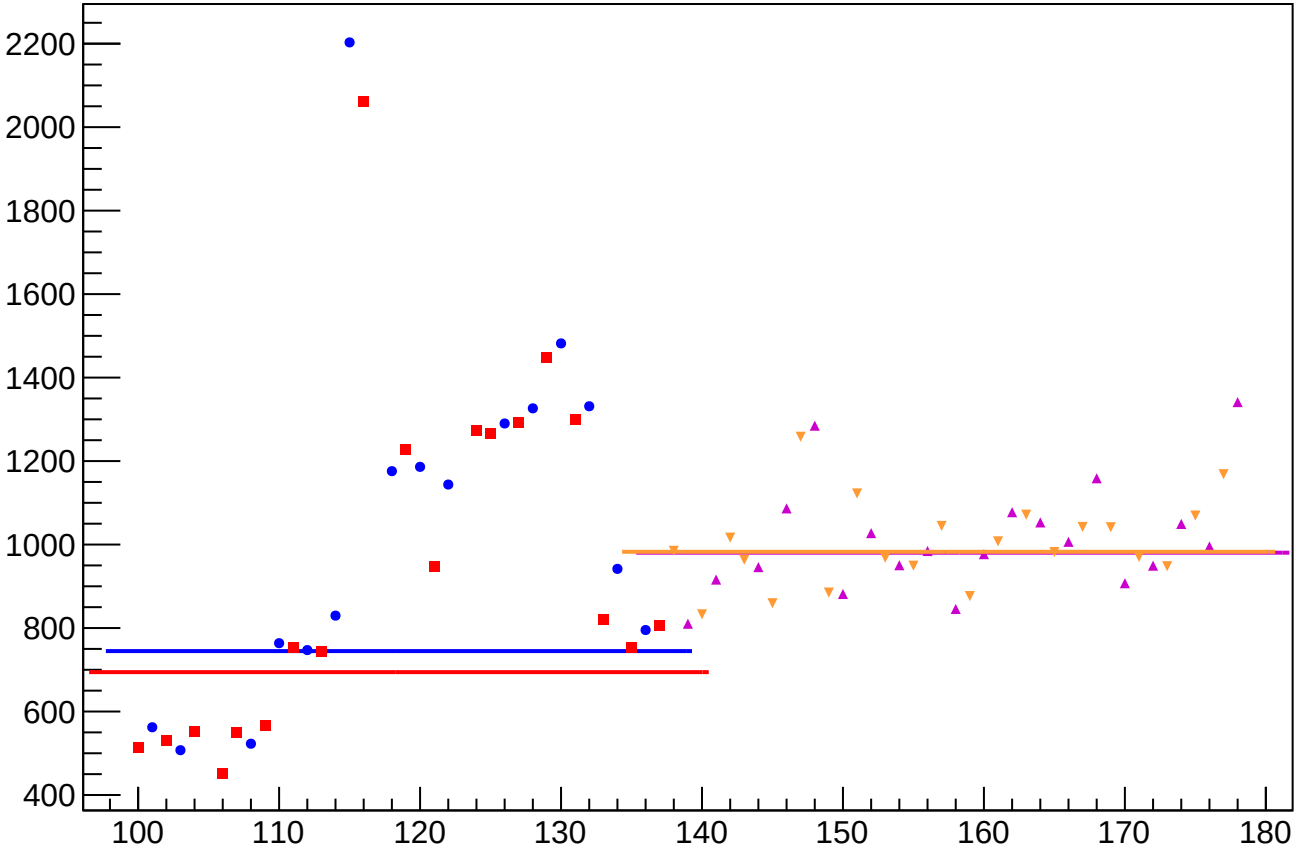
Right: -398.475+/-200.896 χ^2/NDF: 31.9/34

In: -36.912+/-189.006 χ^2/NDF:44.5/35

Out: 147.700+/-181.426 χ^2/NDF:47.3/39

All: 59.170+/-130.885 χ^2/NDF: 92.3/75

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: 980.507+/-0.173 χ^2/NDF:460604.8/19

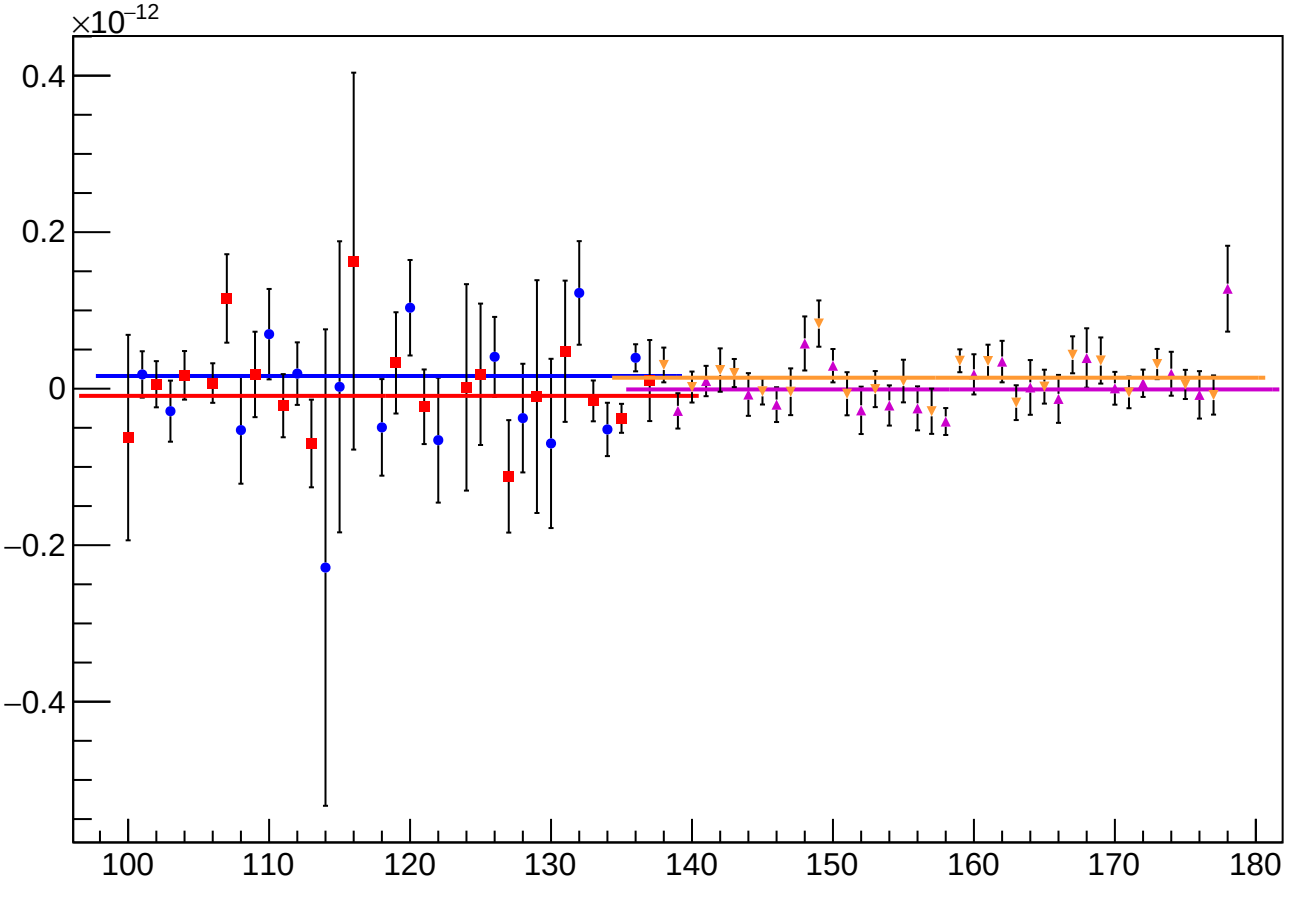
Left: 981.616+/-0.122 χ^2/NDF: 782815.0/40

Right: 717.469+/-0.142 χ^2/NDF: 3657590.2/34

In: 884.854+/-0.134 χ^2/NDF:3033269.3/35

Out: 855.344+/-0.128 χ^2/NDF:3371751.4/39

All: 869.496+/-0.093 χ^2/NDF: 6430396.2/75



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:25.3/19

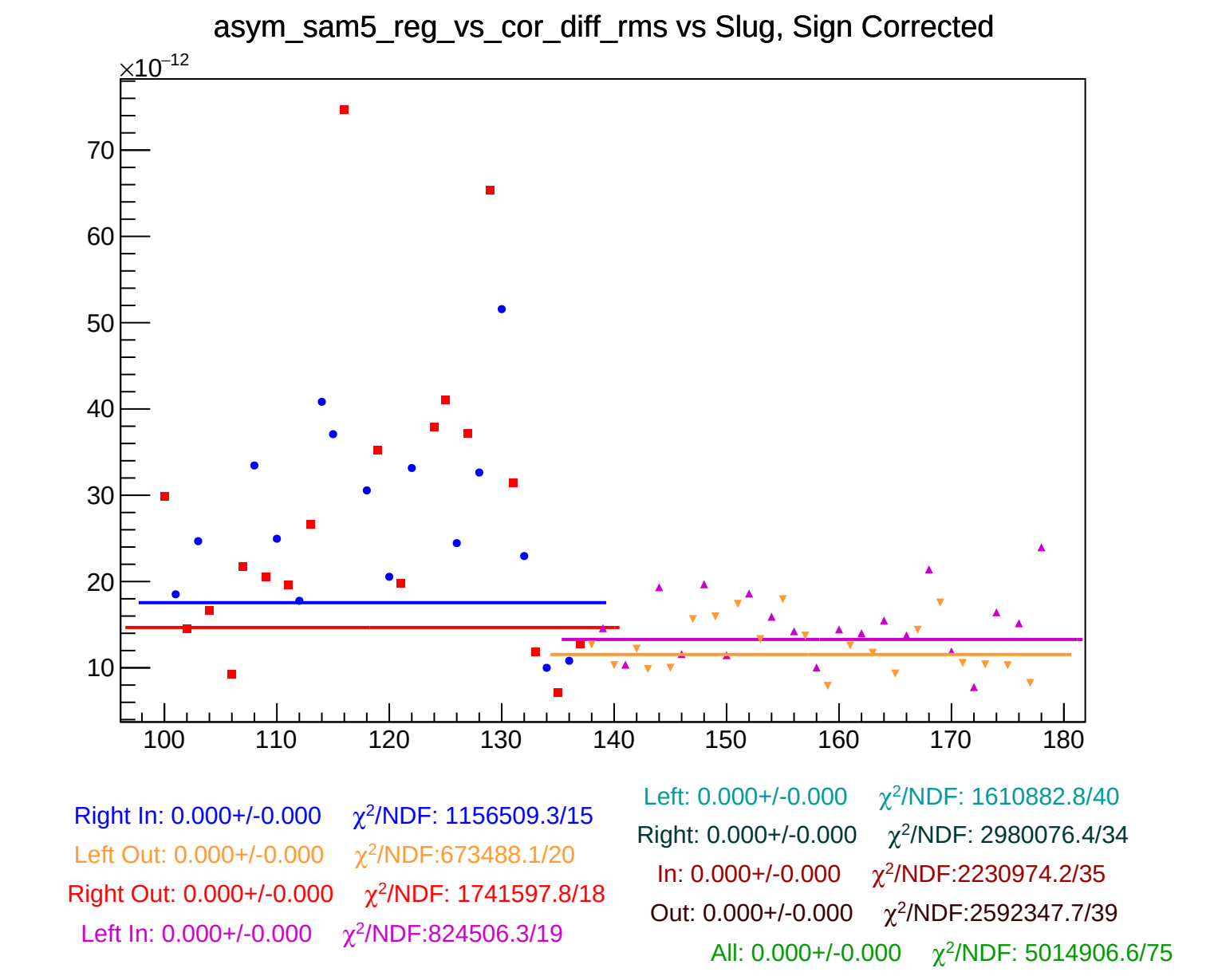
Left: 0.000+/-0.000 χ^2/NDF: 51.0/40

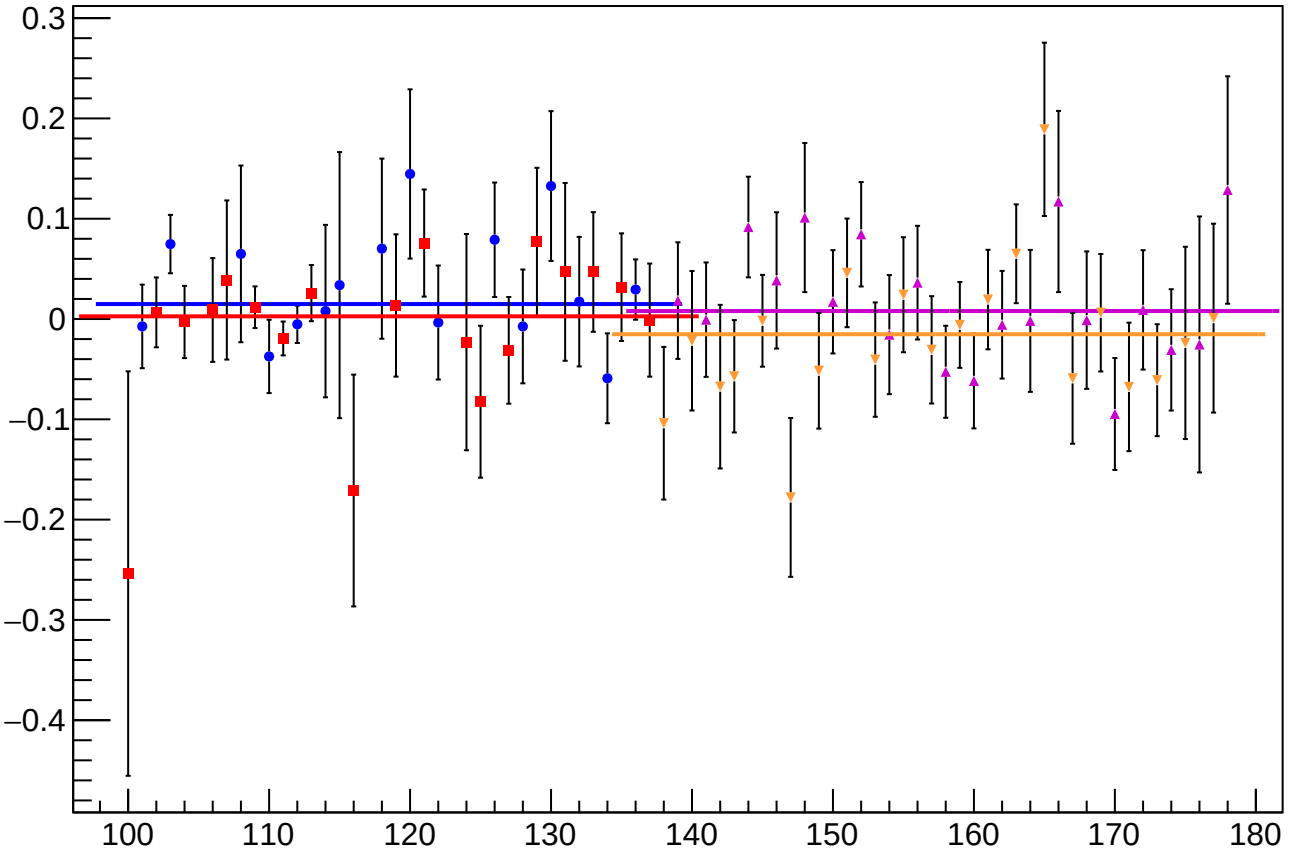
Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: 0.000+/-0.000 χ^2/NDF:45.3/35

Out: 0.000+/-0.000 χ^2/NDF:40.5/39

All: 0.000+/-0.000 χ^2/NDF: 86.8/75


asym_sam5_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1156509.3/15
Left Out: 0.000+/-0.000 χ²/NDF:673488.1/20
Right Out: 0.000+/-0.000 χ²/NDF: 1741597.8/18
Left In: 0.000+/-0.000 χ²/NDF:824506.3/19
Left: 0.000+/-0.000 χ²/NDF: 1610882.8/40
Right: 0.000+/-0.000 χ²/NDF: 2980076.4/34
In: 0.000+/-0.000 χ²/NDF:2230974.2/35
Out: 0.000+/-0.000 χ²/NDF:2592347.7/39
All: 0.000+/-0.000 χ²/NDF: 5014906.6/75



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: 0.008+/-0.013 χ^2/NDF:17.7/19

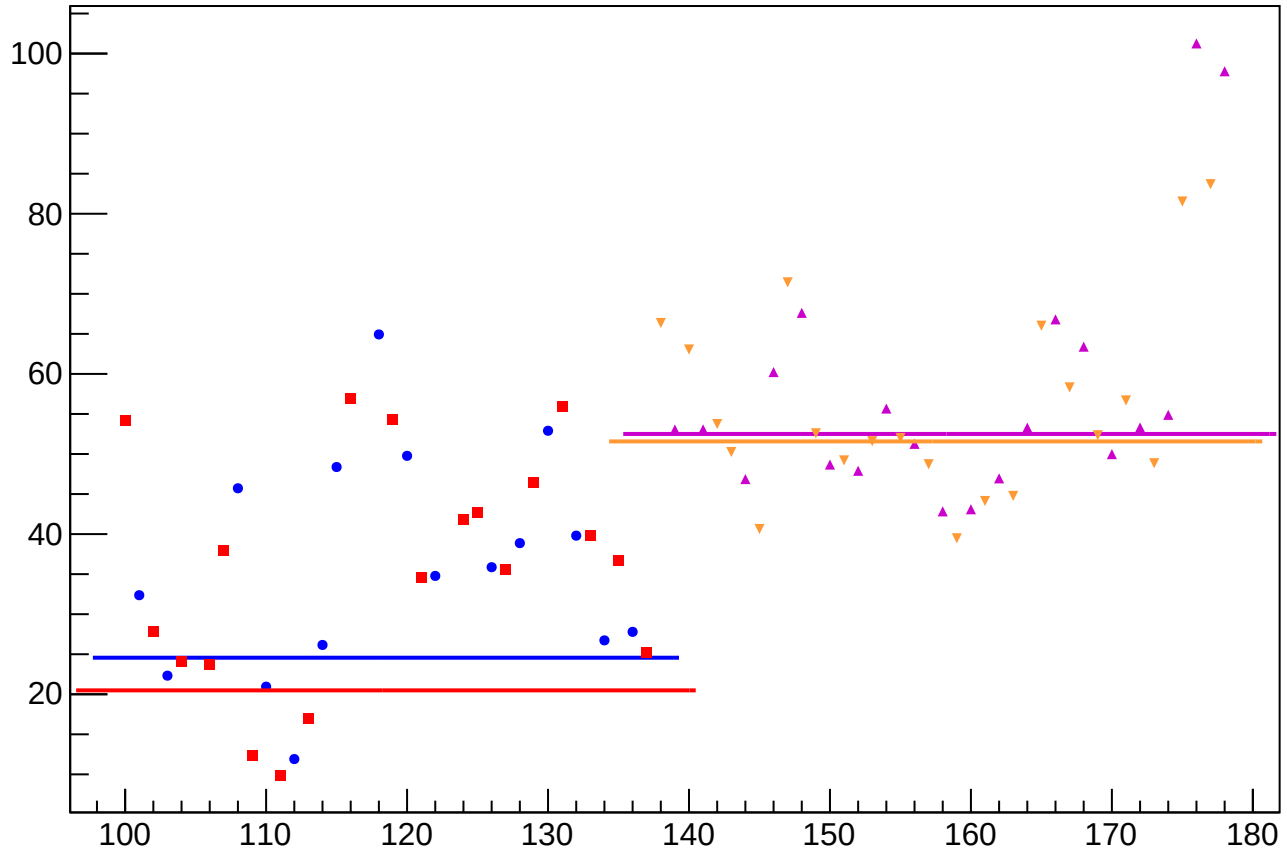
Left: -0.004+/-0.009 χ^2/NDF: 39.0/40

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.012+/-0.008 χ^2/NDF:35.6/35

Out: -0.003+/-0.008 χ^2/NDF:33.5/39

All: 0.004+/-0.006 χ^2/NDF: 71.1/75



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: 52.504+/-0.009 χ^2/NDF:1076244.8/19

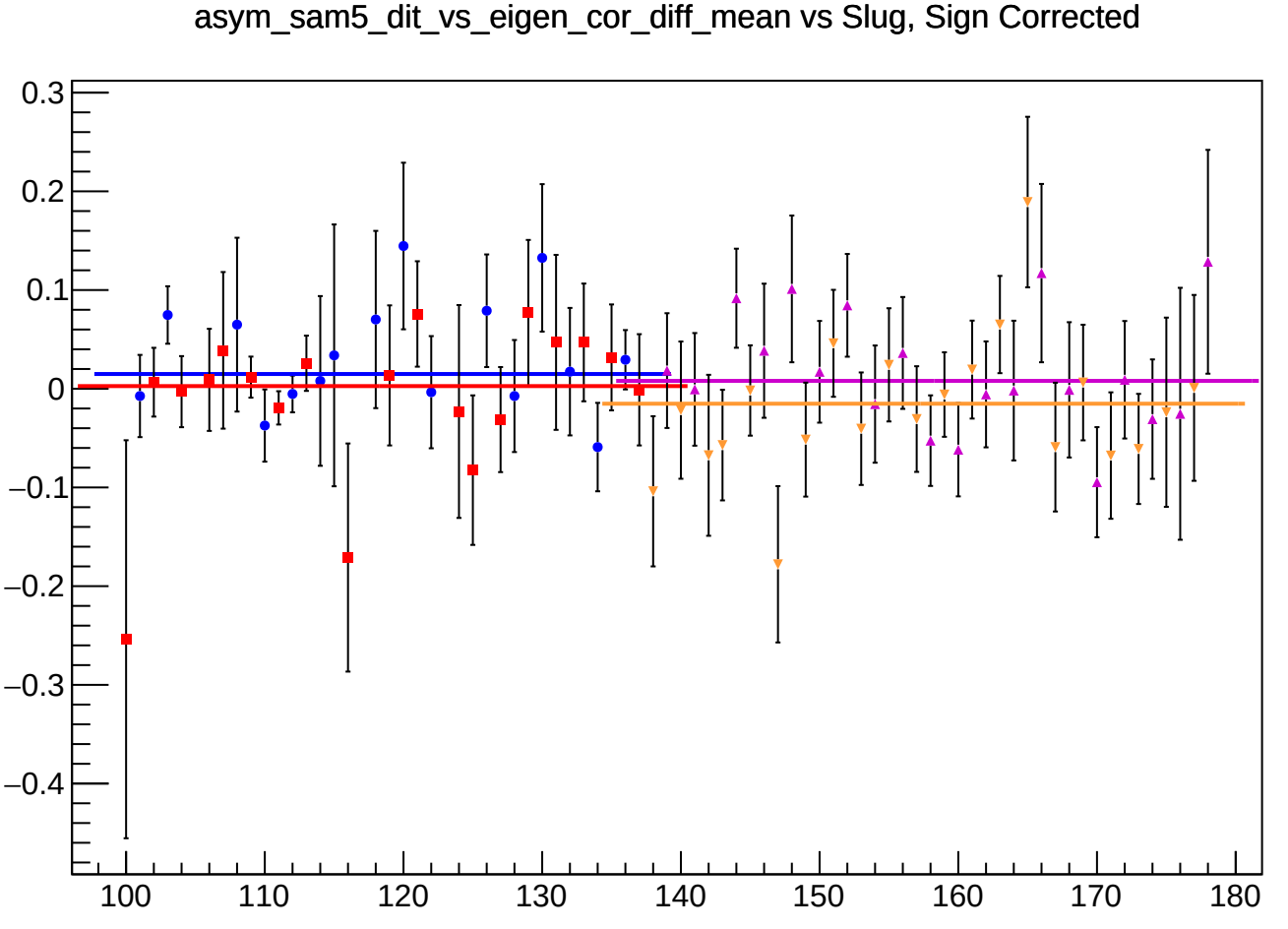
Left: 52.024+/-0.007 χ^2/NDF: 2230049.3/40

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 35.291+/-0.006 χ^2/NDF:8907100.1/35

Out: 30.878+/-0.005 χ^2/NDF:12321582.3/39

All: 32.867+/-0.004 χ^2/NDF: 21538455.4/75



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: 0.008+/-0.013 χ^2/NDF:17.7/19

Left: -0.004+/-0.009 χ^2/NDF: 39.0/40

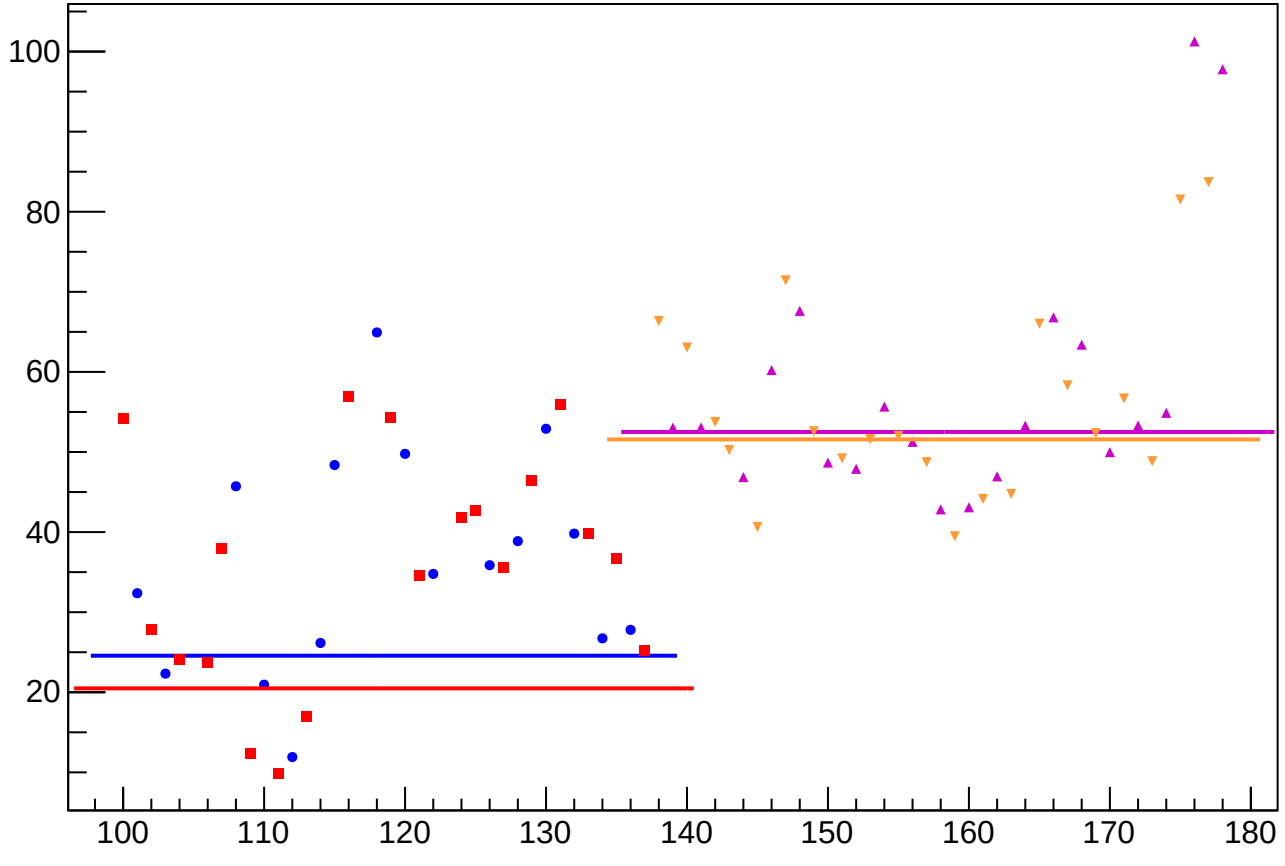
Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.012+/-0.008 χ^2/NDF:35.6/35

Out: -0.003+/-0.008 χ^2/NDF:33.5/39

All: 0.004+/-0.006 χ^2/NDF: 71.1/75

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: 52.504+/-0.009 χ^2/NDF:1076244.8/19

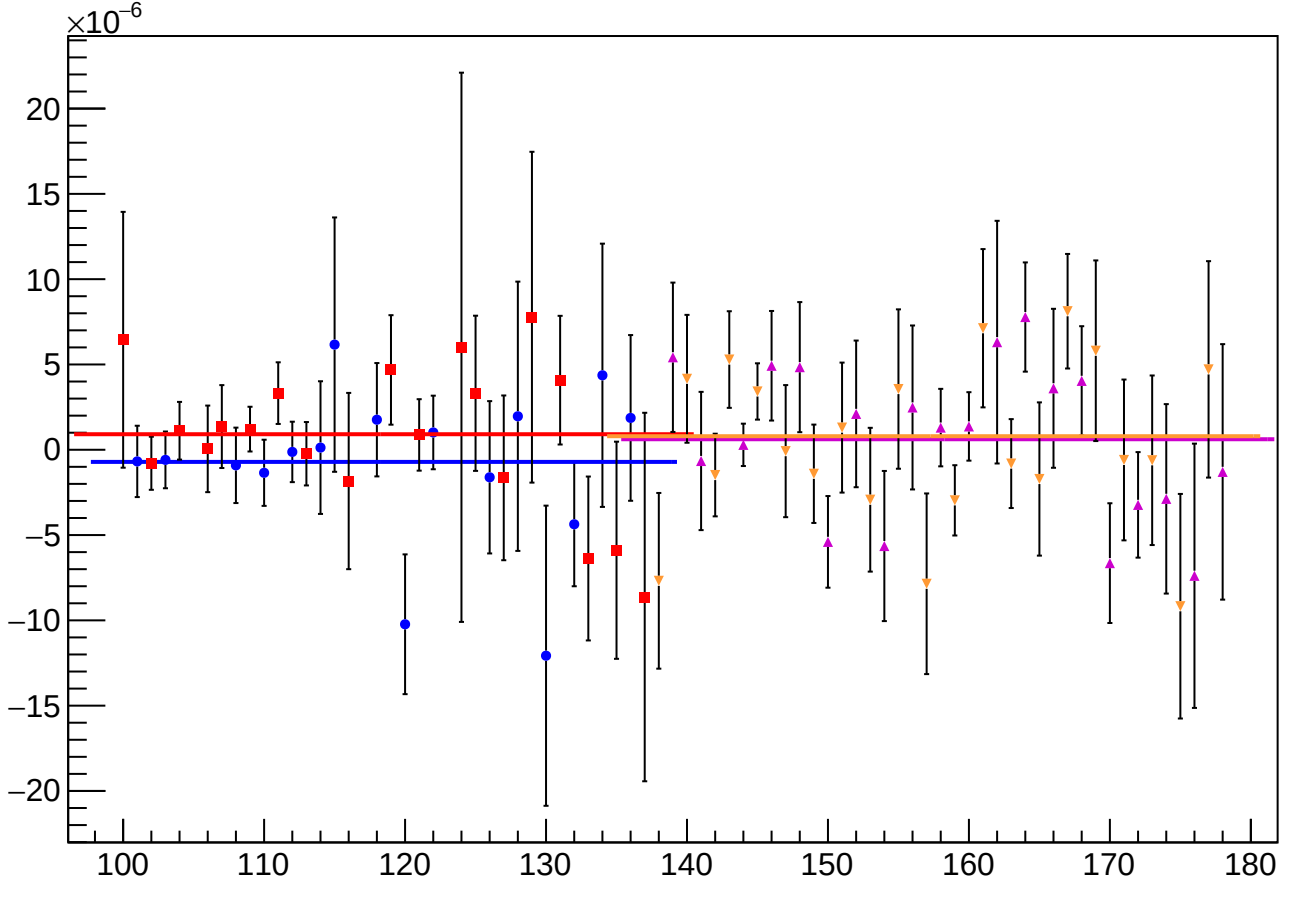
Left: 52.024+/-0.007 χ^2/NDF: 2230049.3/40

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 35.291+/-0.006 χ^2/NDF:8907100.1/35

Out: 30.878+/-0.005 χ^2/NDF:12321582.3/39

All: 32.867+/-0.004 χ^2/NDF: 21538455.4/75



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:26.5/19

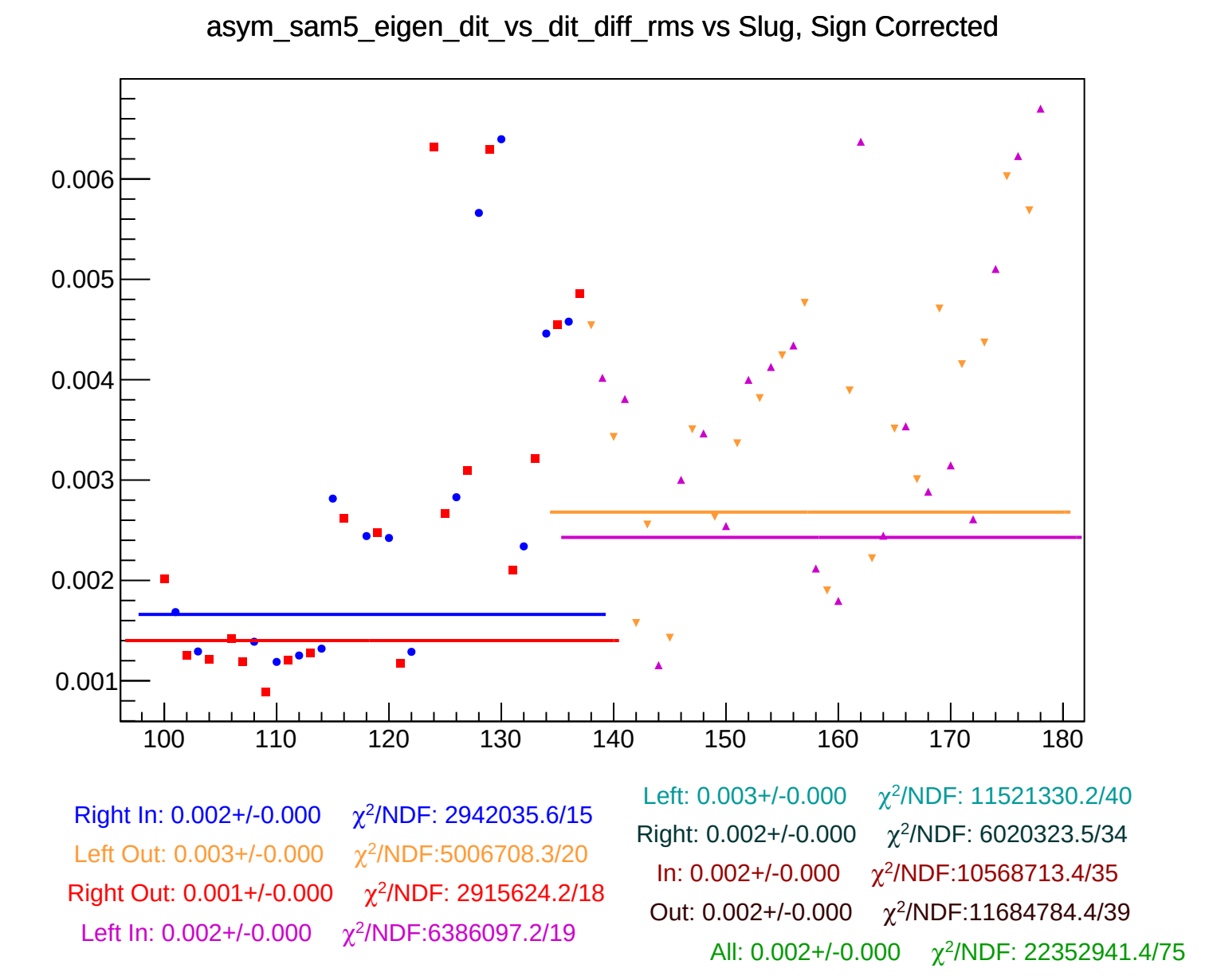
Left: 0.000+/-0.000 χ^2/NDF: 54.8/40

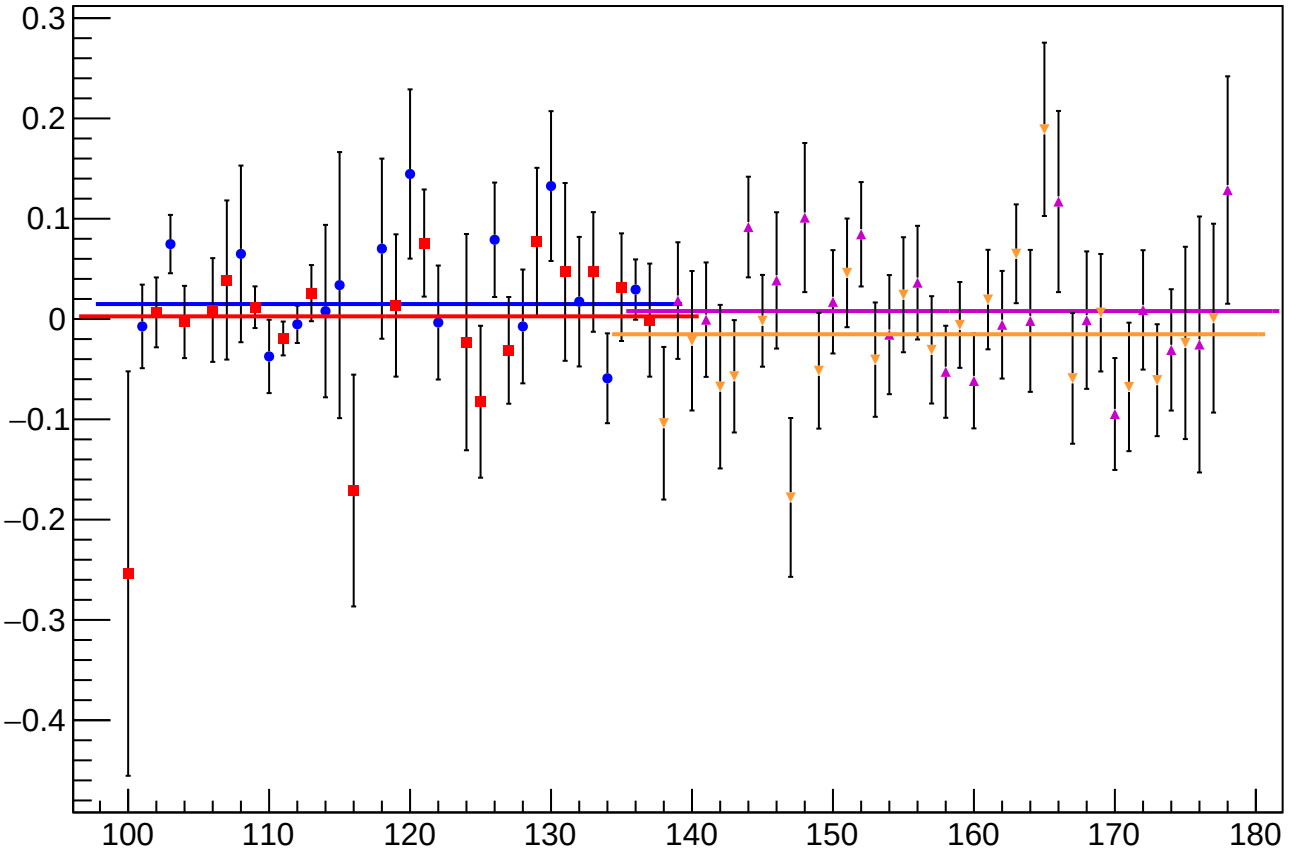
Right: 0.000+/-0.000 χ^2/NDF: 26.3/34

In: -0.000+/-0.000 χ^2/NDF:39.6/35

Out: 0.000+/-0.000 χ^2/NDF:40.2/39

All: 0.000+/-0.000 χ^2/NDF: 81.6/75


asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
180
Right In: 0.002+/-0.000 χ²/NDF: 2942035.6/15
Left Out: 0.003+/-0.000 χ²/NDF:5006708.3/20
Right Out: 0.001+/-0.000 χ²/NDF: 2915624.2/18
Left In: 0.002+/-0.000 χ²/NDF:6386097.2/19
Left: 0.003+/-0.000 χ²/NDF: 11521330.2/40
Right: 0.002+/-0.000 χ²/NDF: 6020323.5/34
In: 0.002+/-0.000 χ²/NDF:10568713.4/35
Out: 0.002+/-0.000 χ²/NDF:11684784.4/39
All: 0.002+/-0.000 χ²/NDF: 22352941.4/75



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: 0.008+/-0.013 χ^2/NDF:17.7/19

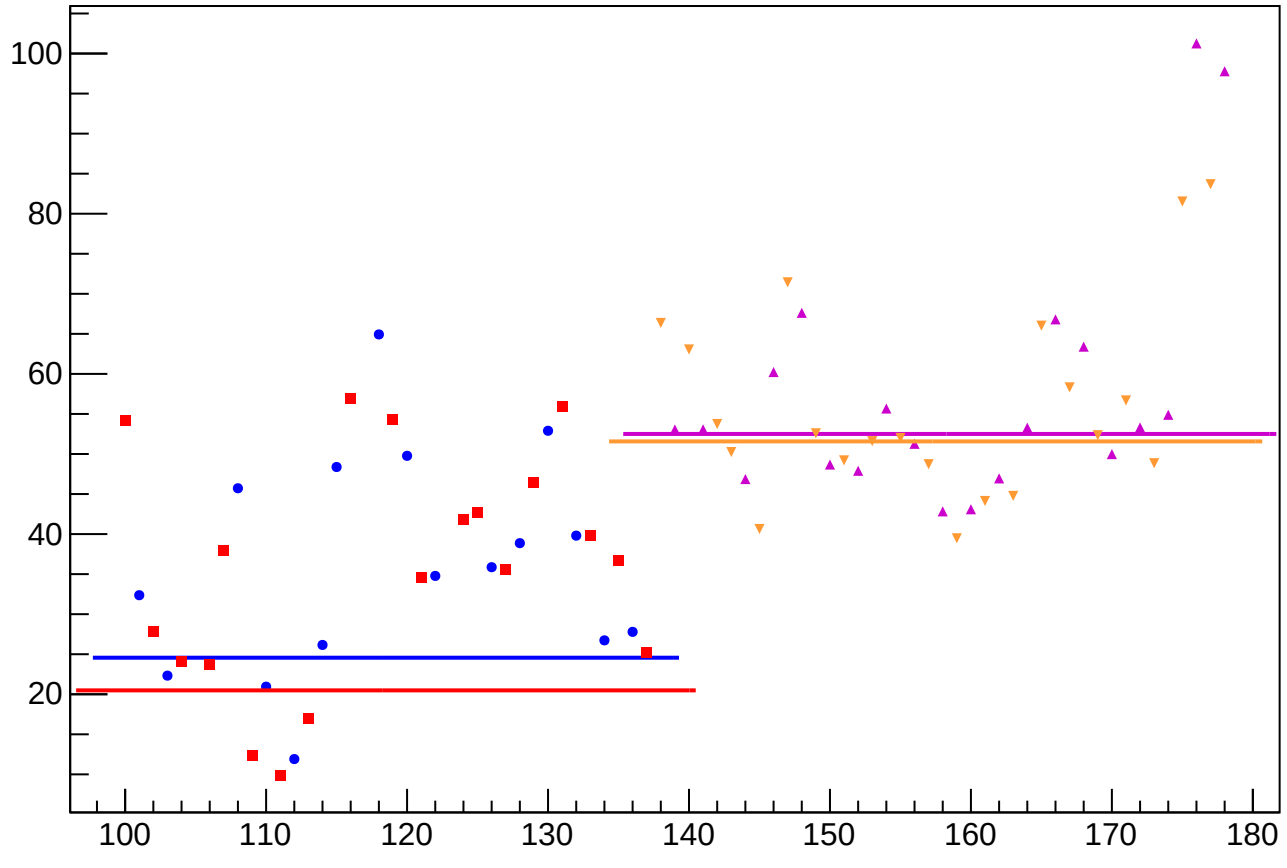
Left: -0.004+/-0.009 χ^2/NDF: 39.0/40

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.012+/-0.008 χ^2/NDF:35.6/35

Out: -0.003+/-0.008 χ^2/NDF:33.5/39

All: 0.004+/-0.006 χ^2/NDF: 71.1/75



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: 52.504+/-0.009 χ^2/NDF:1076281.9/19

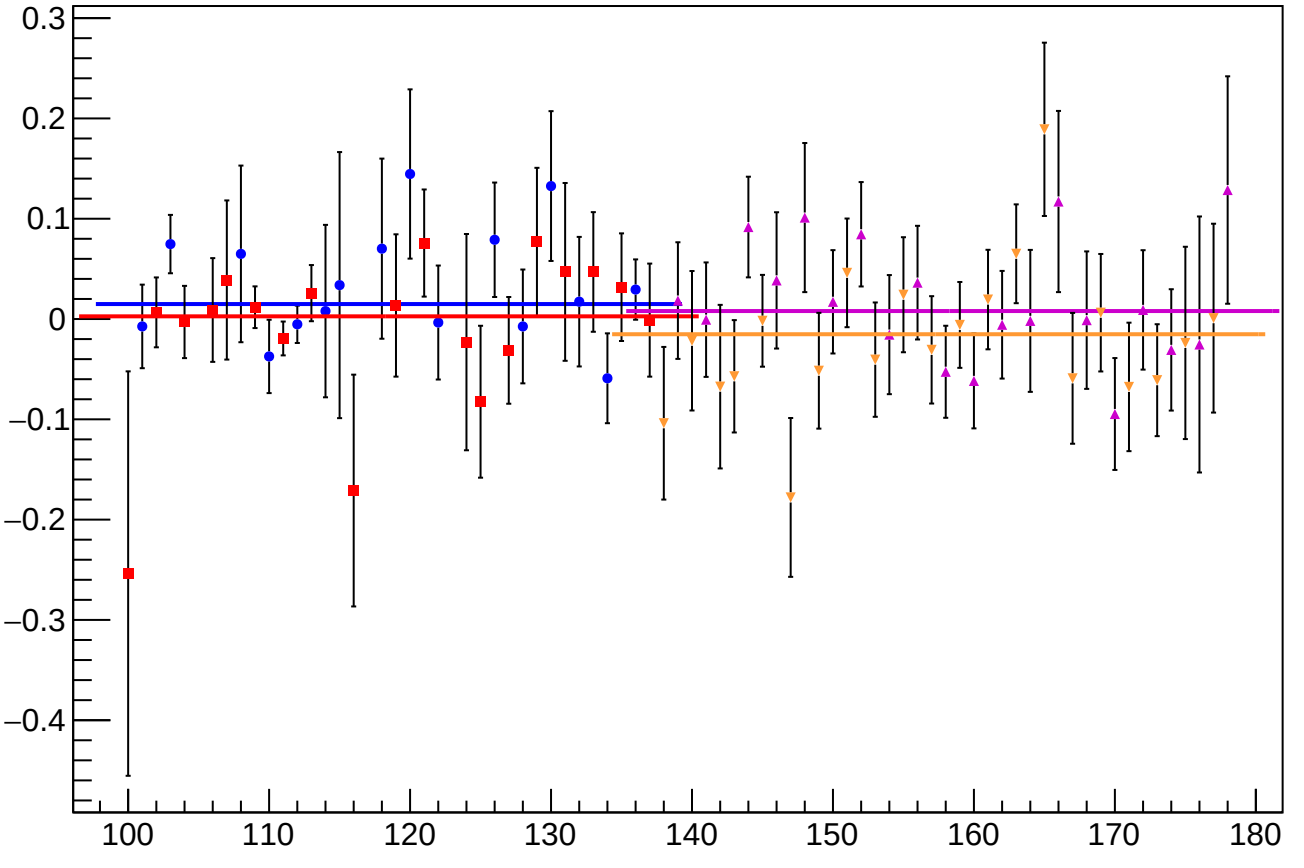
Left: 52.024+/-0.007 χ^2/NDF: 2230180.0/40

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 35.291+/-0.006 χ^2/NDF:8907385.7/35

Out: 30.878+/-0.005 χ^2/NDF:12322053.3/39

All: 32.867+/-0.004 χ^2/NDF: 21539231.3/75



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: 0.008+/-0.013 χ^2/NDF:17.7/19

Left: -0.004+/-0.009 χ^2/NDF: 39.0/40

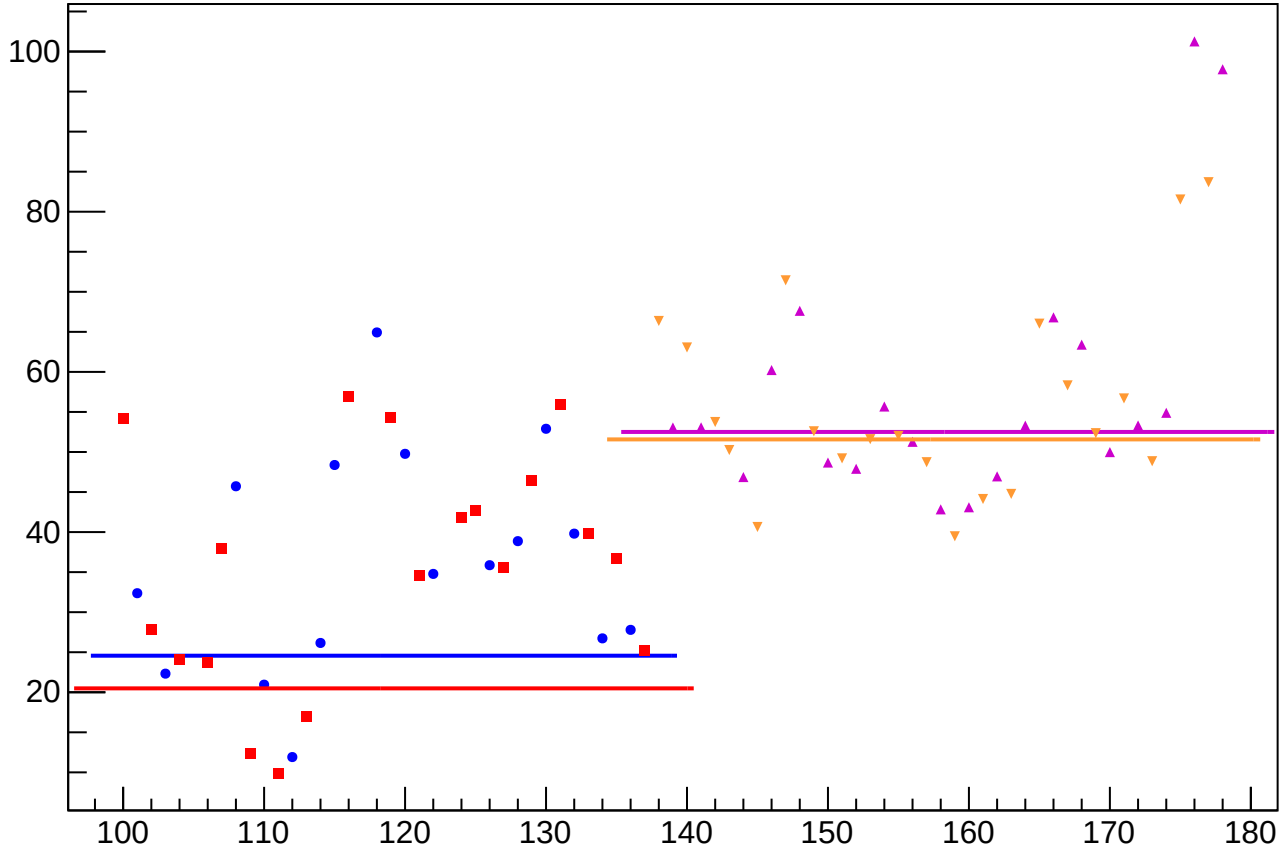
Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.012+/-0.008 χ^2/NDF:35.6/35

Out: -0.003+/-0.008 χ^2/NDF:33.5/39

All: 0.004+/-0.006 χ^2/NDF: 71.1/75

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 51.572+/-0.009 χ^2/NDF:1148930.3/20

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 52.504+/-0.009 χ^2/NDF:1076281.9/19

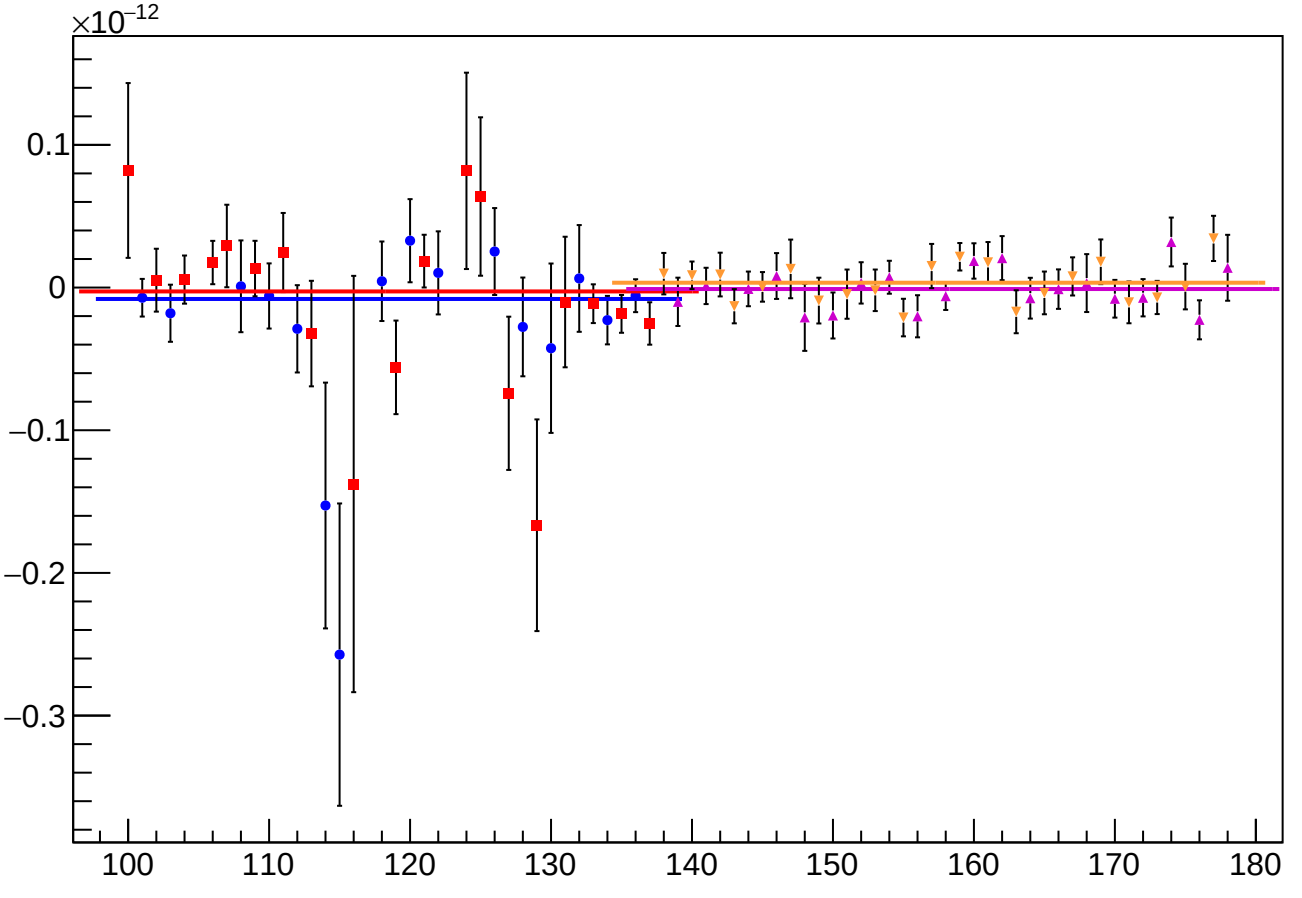
Left: 52.024+/-0.007 χ^2/NDF: 2230180.0/40

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 35.291+/-0.006 χ^2/NDF:8907385.7/35

Out: 30.878+/-0.005 χ^2/NDF:12322053.3/39

All: 32.867+/-0.004 χ^2/NDF: 21539231.3/75



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:17.0/19

Left: 0.000+/-0.000 χ^2/NDF: 39.0/40

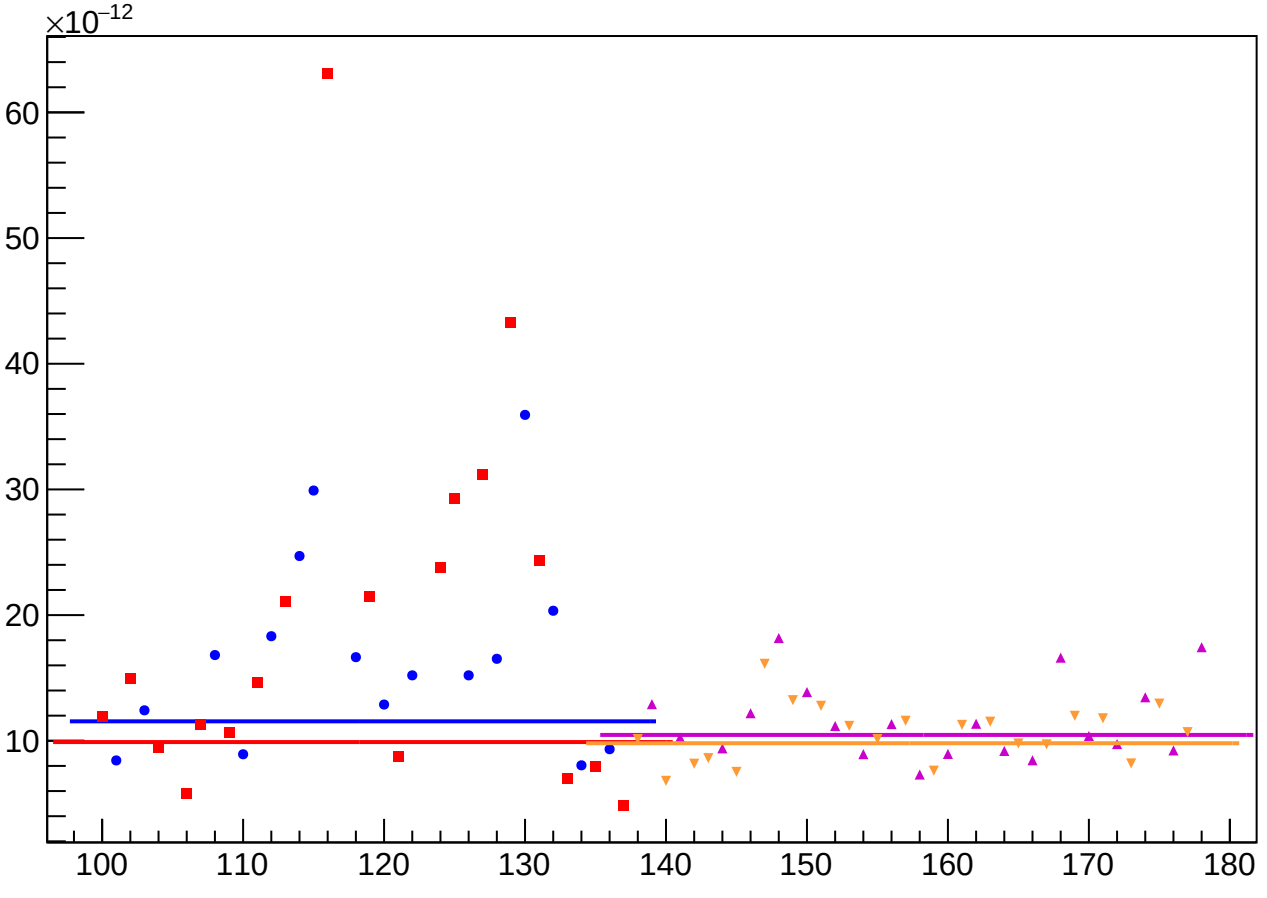
Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

In: -0.000+/-0.000 χ^2/NDF:32.7/35

Out: 0.000+/-0.000 χ^2/NDF:48.1/39

All: -0.000+/-0.000 χ^2/NDF: 82.2/75

asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1179957.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1065159.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2635766.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1189394.8/19

Left: 0.000+/-0.000 χ^2/NDF: 2300926.9/40

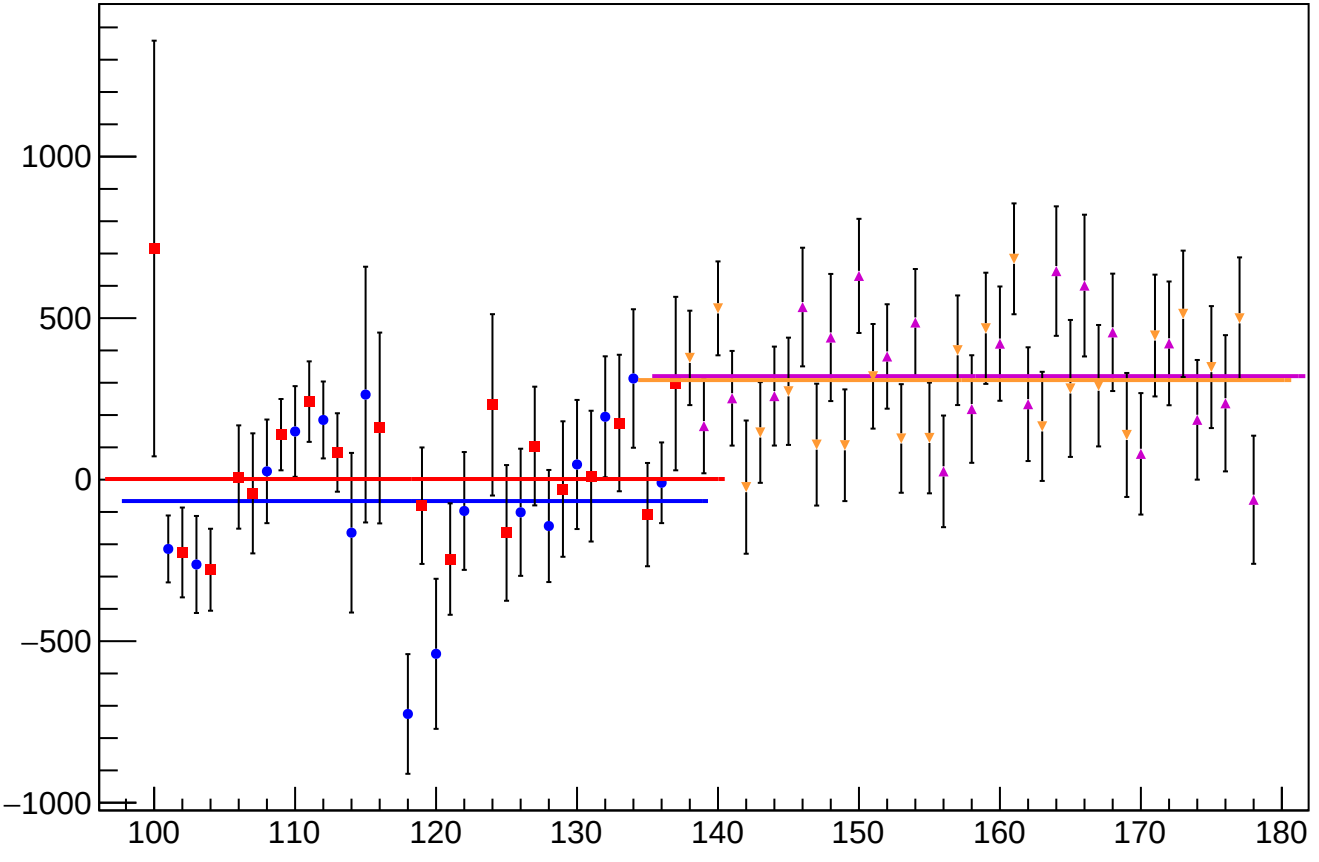
Right: 0.000+/-0.000 χ^2/NDF: 3905918.0/34

In: 0.000+/-0.000 χ^2/NDF:2423102.9/35

Out: 0.000+/-0.000 χ^2/NDF:3701409.5/39

All: 0.000+/-0.000 χ^2/NDF: 6234740.0/75

reg_asym_sam6_mean vs Slug, Sign Corrected



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: 320.483+/-39.510 χ^2/NDF:22.5/19

Left: 314.135+/-27.416 χ^2/NDF: 43.7/40

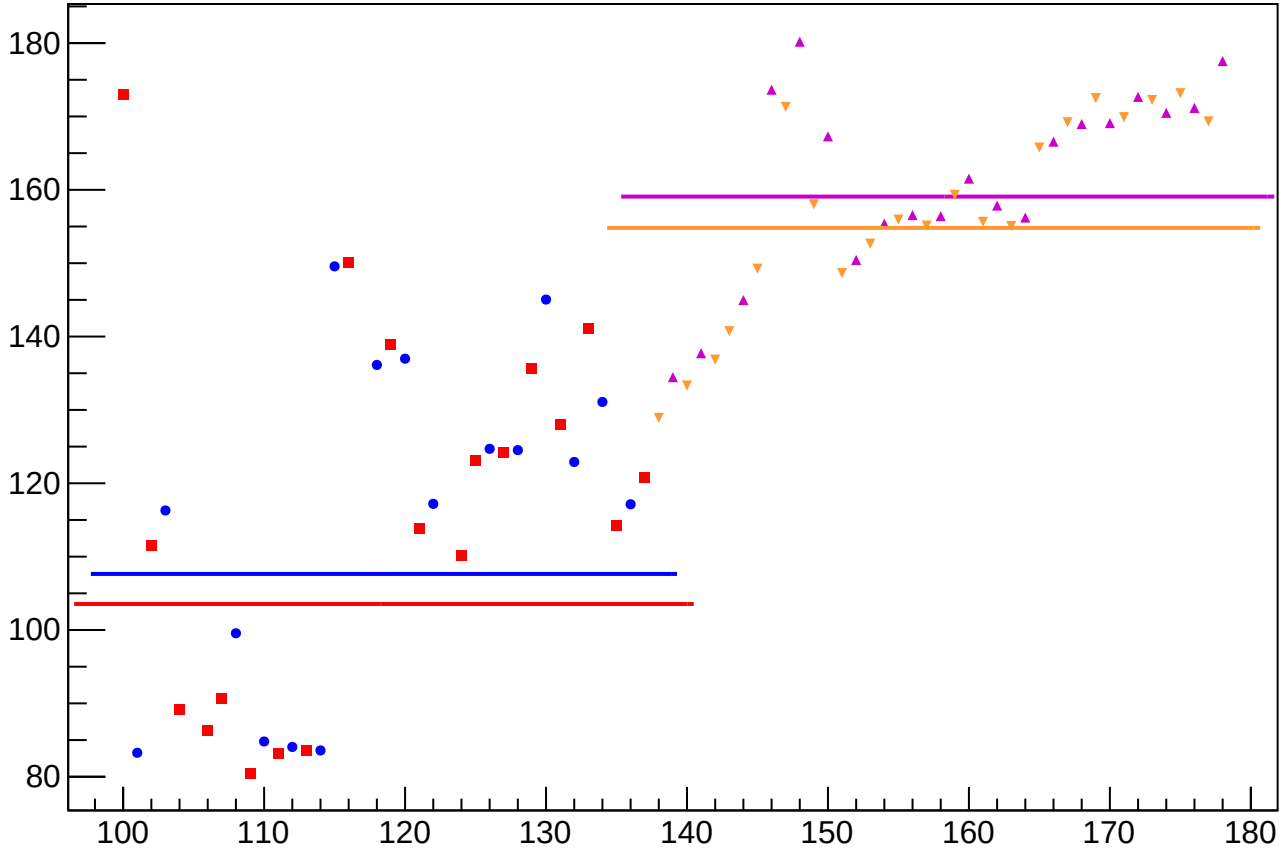
Right: -30.337+/-28.186 χ^2/NDF: 57.0/34

In: 133.986+/-28.429 χ^2/NDF:103.1/35

Out: 158.278+/-27.199 χ^2/NDF:74.0/39

All: 146.669+/-19.653 χ^2/NDF: 177.4/75

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: 159.078+/-0.028 χ^2/NDF:220069.5/19

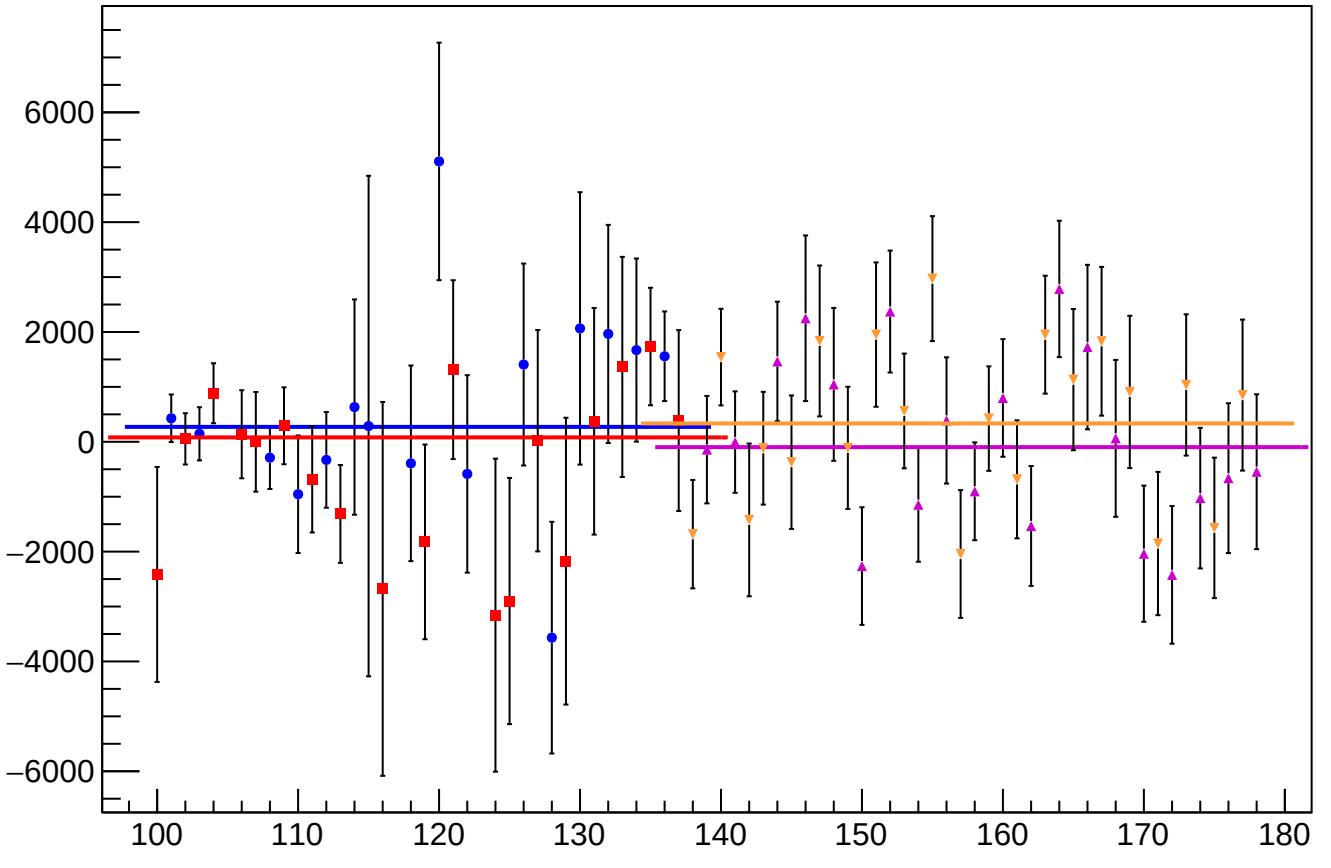
Left: 156.866+/-0.019 χ^2/NDF: 486603.1/40

Right: 105.491+/-0.020 χ^2/NDF: 1160688.9/34

In: 134.273+/-0.020 χ^2/NDF:2387458.2/35

Out: 129.708+/-0.019 χ^2/NDF:2647130.1/39

All: 131.890+/-0.014 χ^2/NDF: 5061517.5/75



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: -97.273+/-259.281 χ^2/NDF:32.2/19

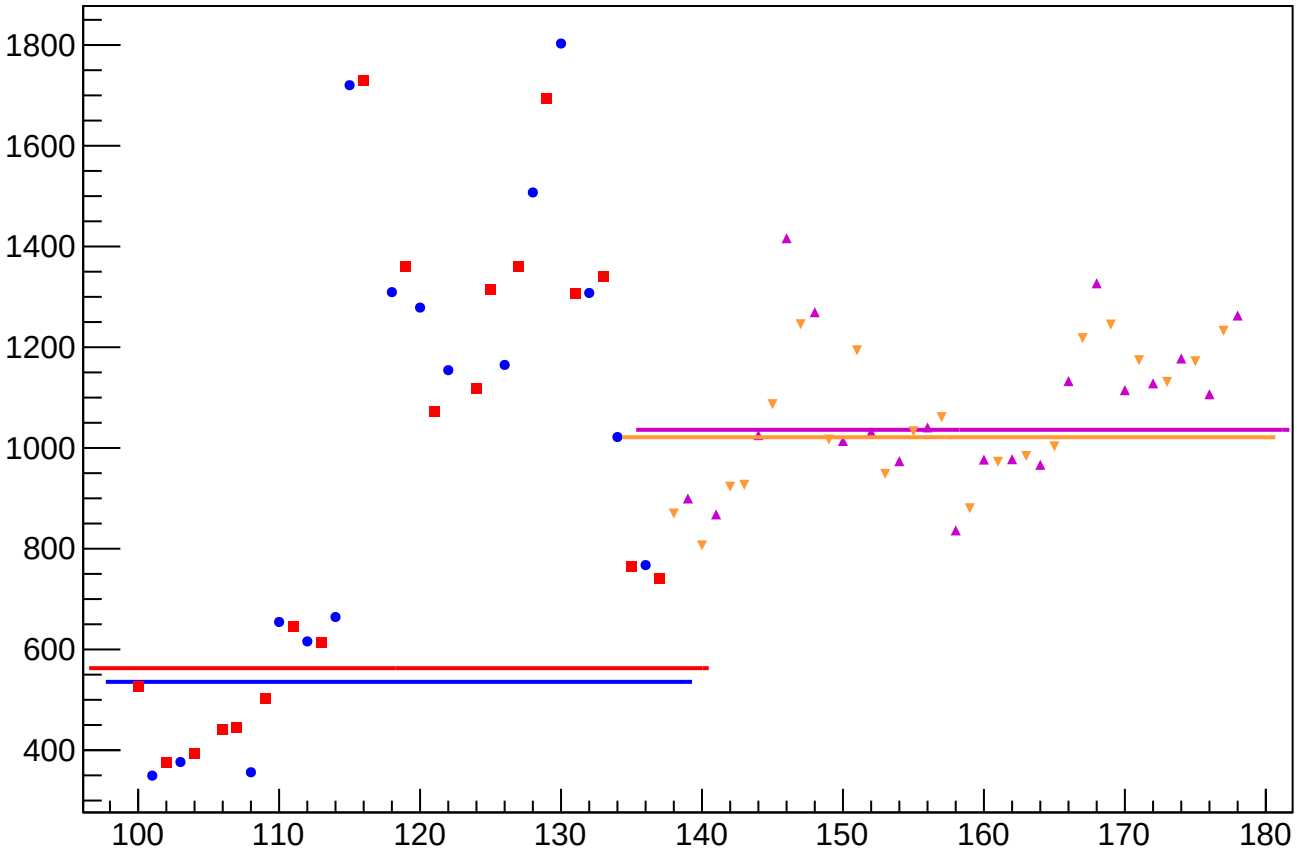
Left: 124.066+/-181.017 χ^2/NDF: 64.7/40

Right: 176.417+/-163.628 χ^2/NDF: 32.8/34

In: 108.583+/-172.336 χ^2/NDF:49.8/35

Out: 196.486+/-171.002 χ^2/NDF:47.6/39

All: 152.876+/-121.386 χ^2/NDF: 97.6/75



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: 1036.057+/-0.183 χ^2/NDF:607036.4/19

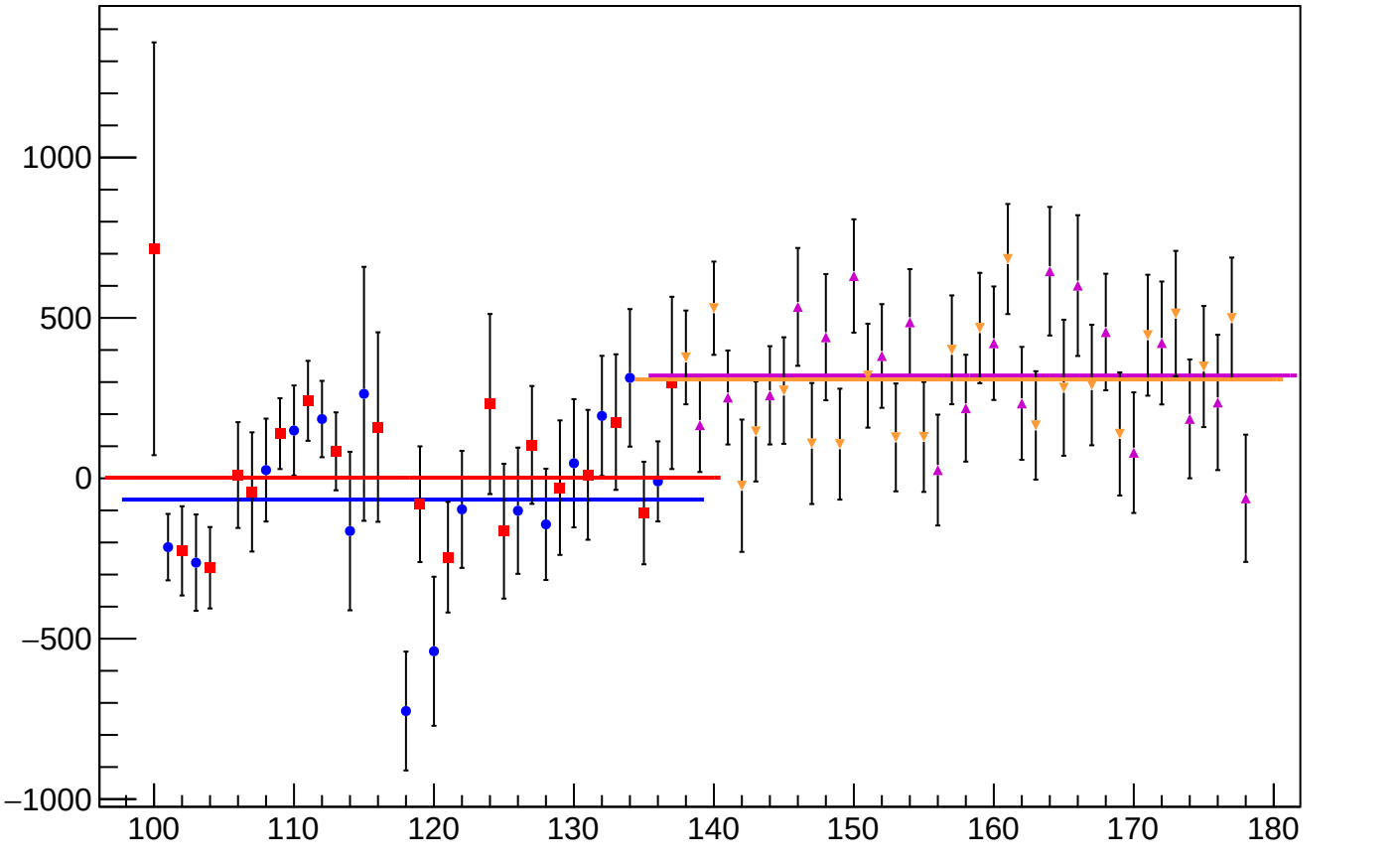
Left: 1028.486+/-0.128 χ^2/NDF: 1171598.6/40

Right: 549.176+/-0.116 χ^2/NDF: 6757198.8/34

In: 756.742+/-0.122 χ^2/NDF:8397365.0/35

Out: 772.554+/-0.121 χ^2/NDF:7239896.6/39

All: 764.710+/-0.086 χ^2/NDF: 15645745.7/75



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: 320.488+/-39.510 χ^2/NDF:22.5/19

Left: 314.136+/-27.416 χ^2/NDF: 43.7/40

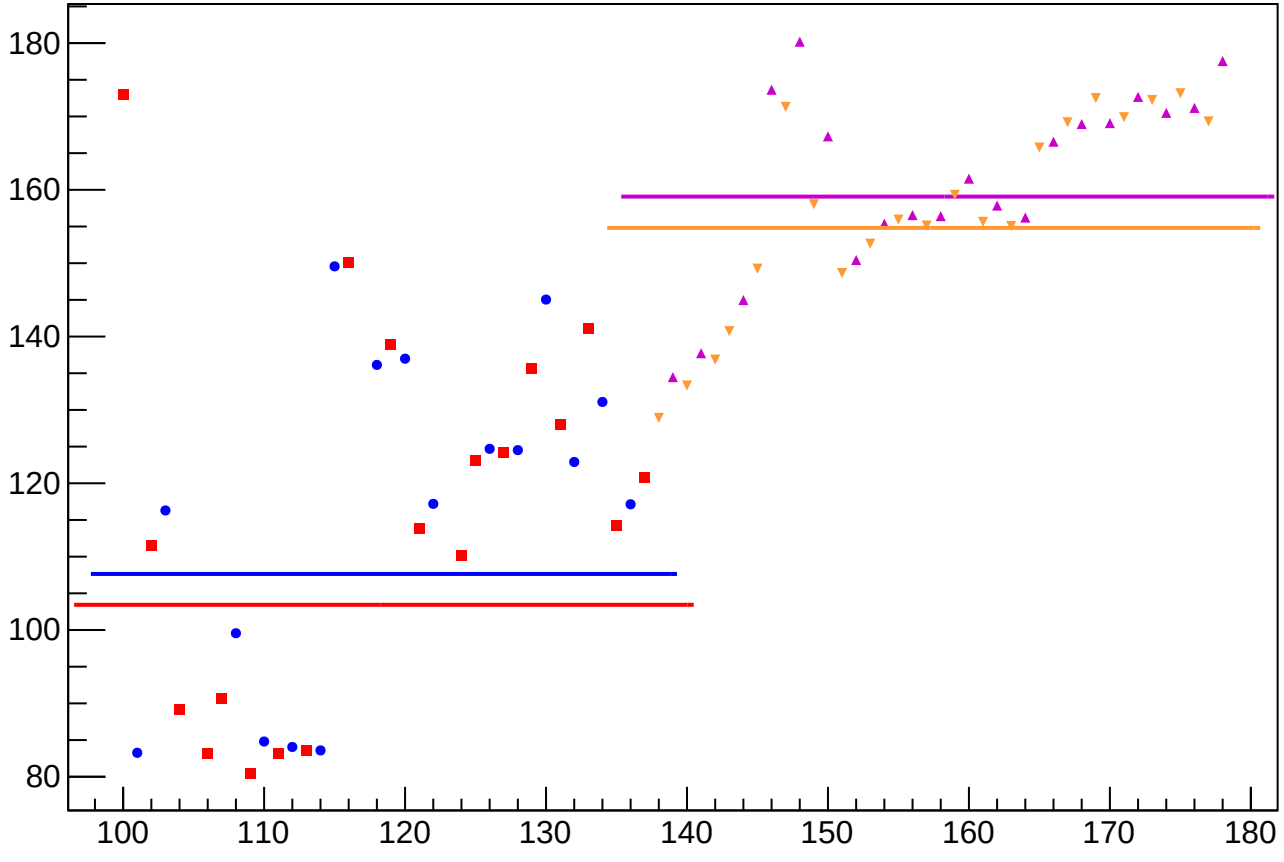
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 133.976+/-28.429 χ^2/NDF:103.1/35

Out: 158.575+/-27.223 χ^2/NDF:73.9/39

All: 146.809+/-19.662 χ^2/NDF: 177.4/75

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: 159.078+/-0.028 χ^2/NDF:220069.5/19

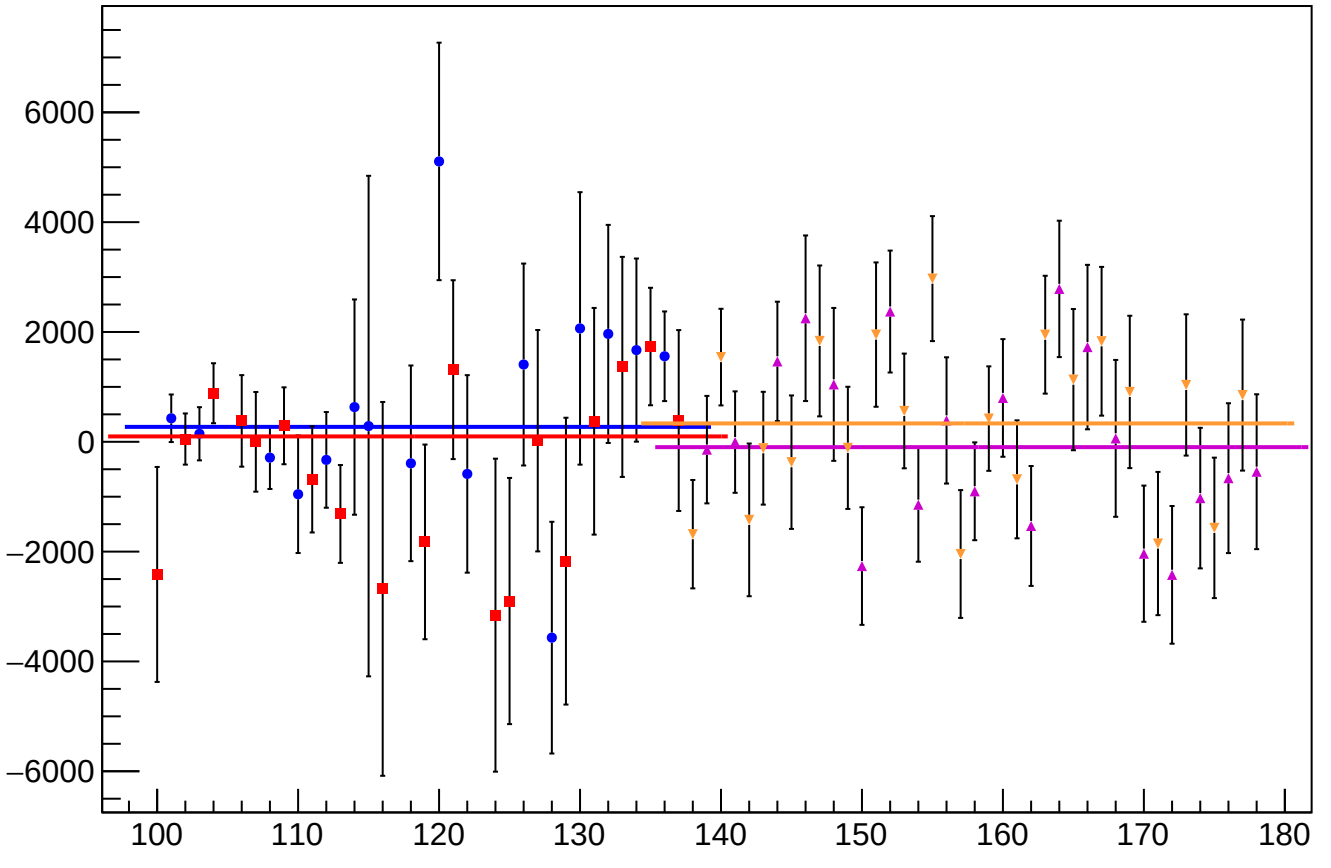
Left: 156.866+/-0.019 χ^2/NDF: 486603.1/40

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 134.273+/-0.020 χ^2/NDF:2387455.5/35

Out: 129.699+/-0.019 χ^2/NDF:2659024.0/39

All: 131.887+/-0.014 χ^2/NDF: 5073487.6/75



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: -97.273+/-259.281 χ^2/NDF:32.2/19

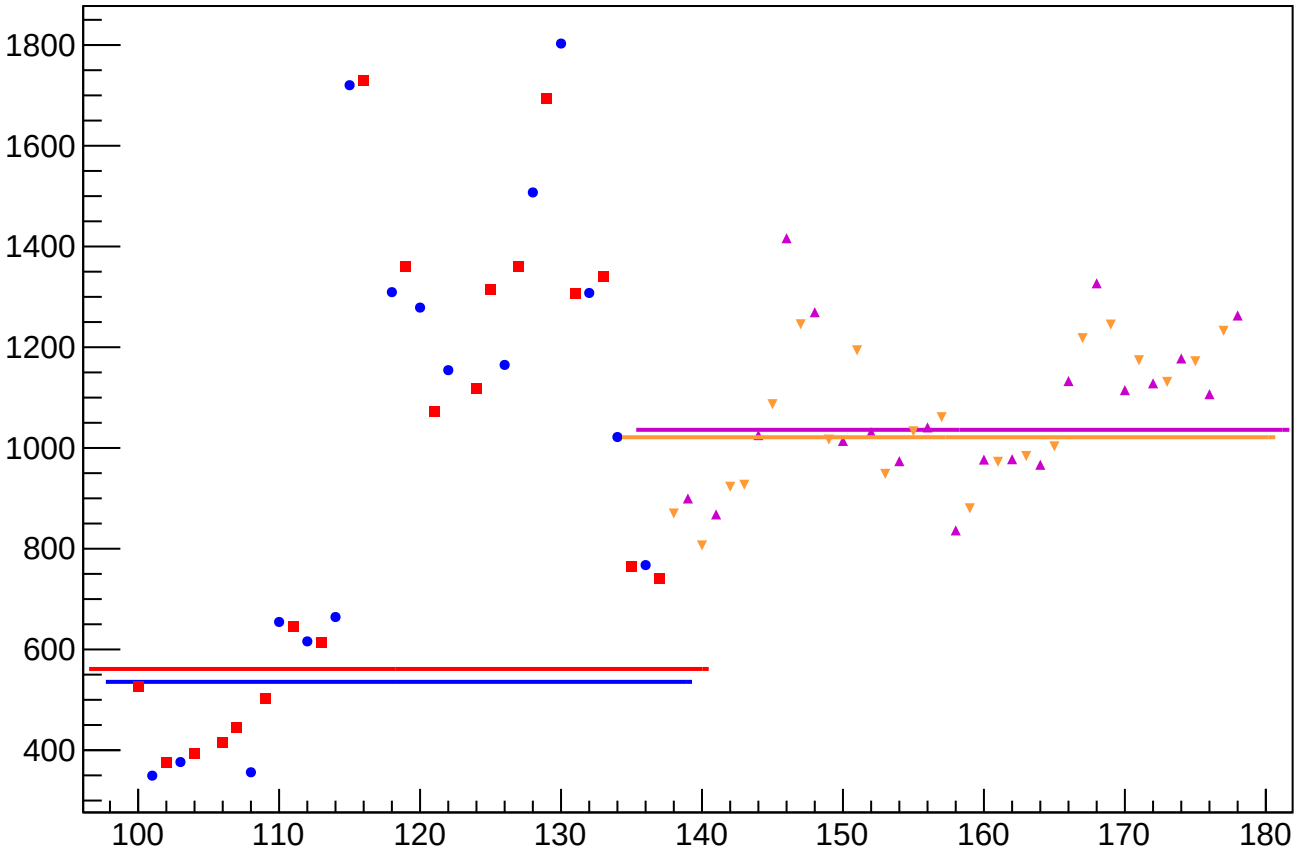
Left: 124.069+/-181.017 χ^2/NDF: 64.7/40

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 108.667+/-172.333 χ^2/NDF:49.8/35

Out: 206.436+/-171.252 χ^2/NDF:47.7/39

All: 157.860+/-121.474 χ^2/NDF: 97.6/75



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: 1036.057+/-0.183 χ^2/NDF:607034.0/19

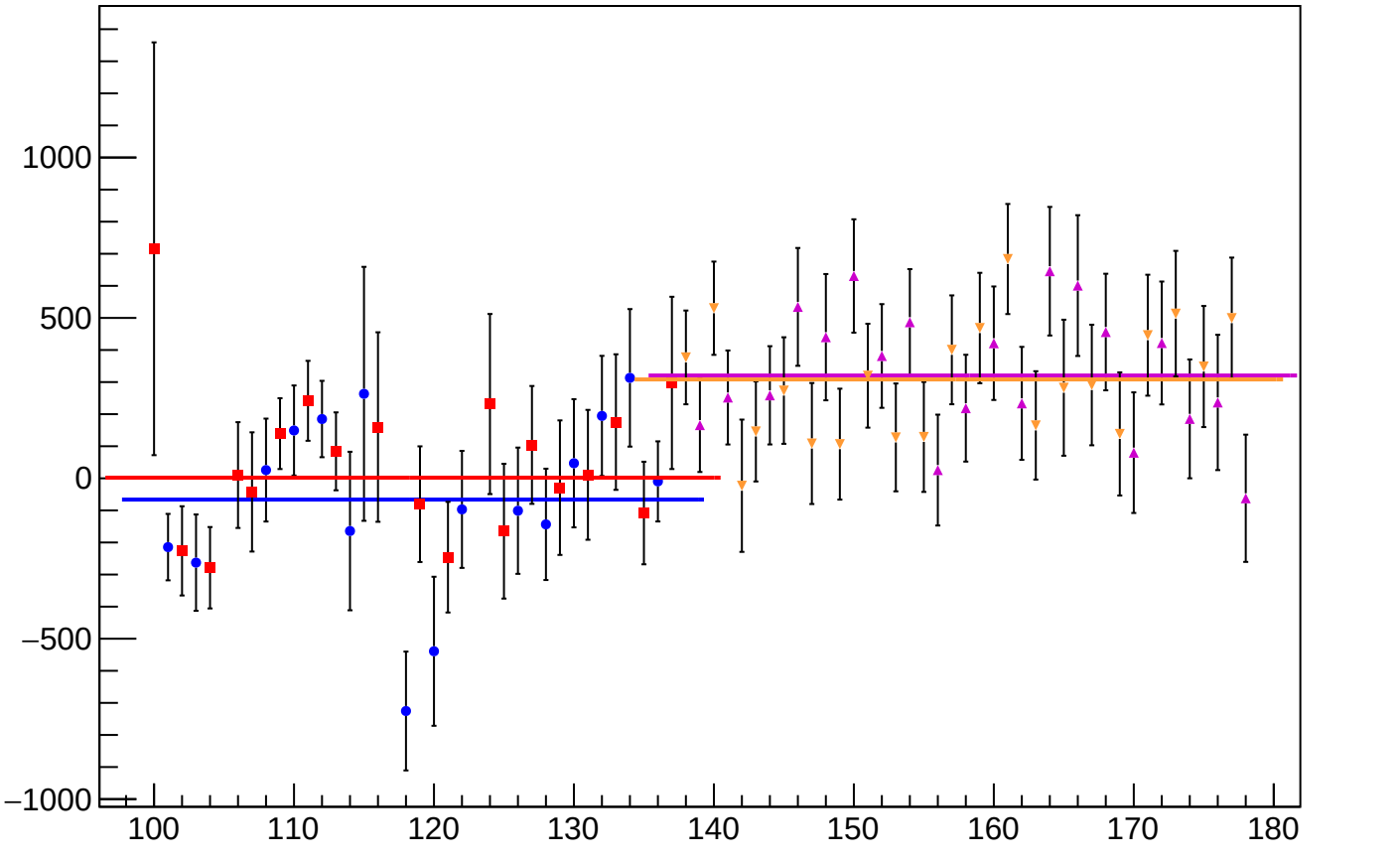
Left: 1028.486+/-0.128 χ^2/NDF: 1171595.1/40

Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 756.722+/-0.122 χ^2/NDF:8398039.3/35

Out: 772.316+/-0.121 χ^2/NDF:7275326.5/39

All: 764.568+/-0.086 χ^2/NDF: 15681604.5/75



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: 320.488+/-39.510 χ^2/NDF:22.5/19

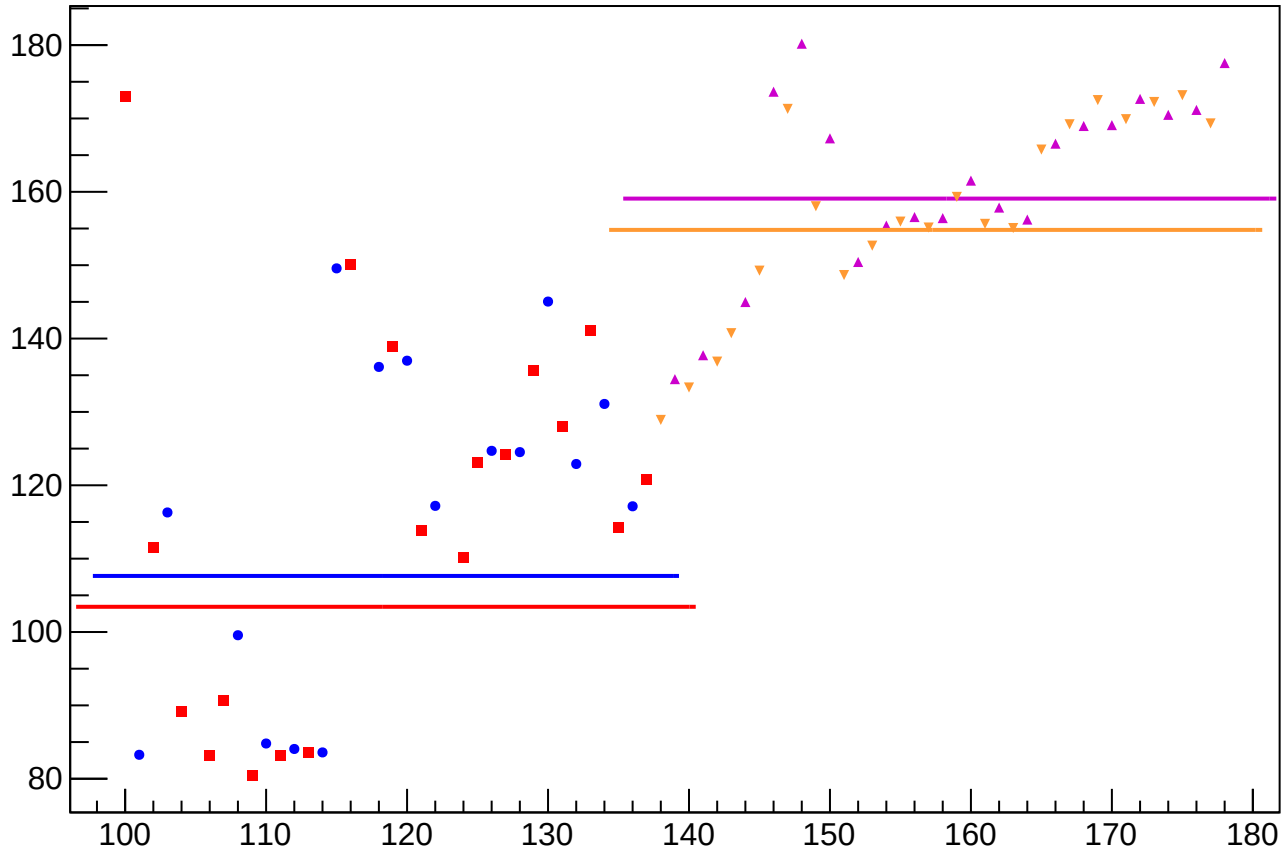
Left: 314.136+/-27.416 χ^2/NDF: 43.7/40

Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 133.976+/-28.429 χ^2/NDF:103.1/35

Out: 158.575+/-27.223 χ^2/NDF:73.9/39

All: 146.809+/-19.662 χ^2/NDF: 177.4/75



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: 159.078+/-0.028 χ^2/NDF:220069.5/19

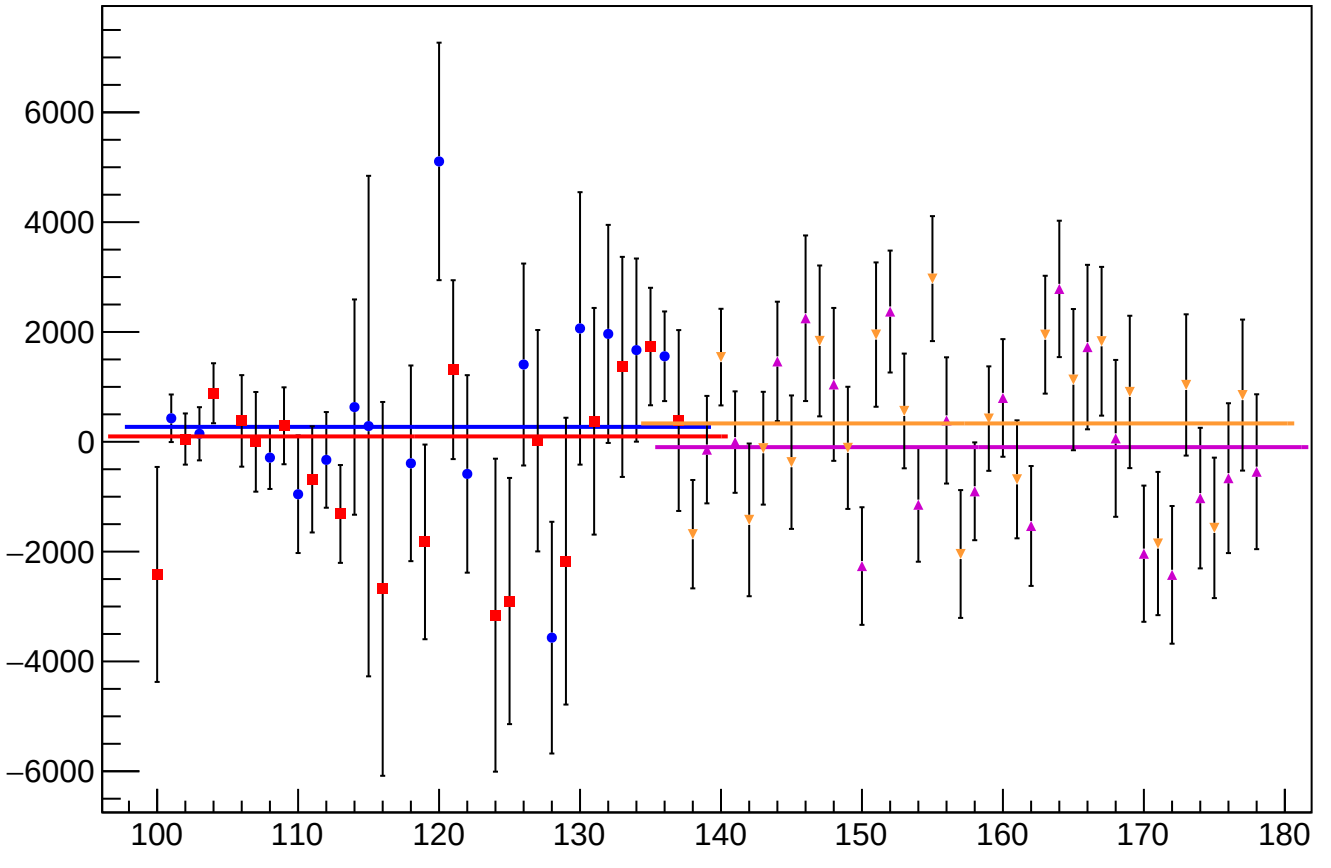
Left: 156.866+/-0.019 χ^2/NDF: 486603.1/40

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 134.273+/-0.020 χ^2/NDF:2387455.5/35

Out: 129.699+/-0.019 χ^2/NDF:2659024.0/39

All: 131.887+/-0.014 χ^2/NDF: 5073487.6/75



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: -97.273+/-259.281 χ^2/NDF:32.2/19

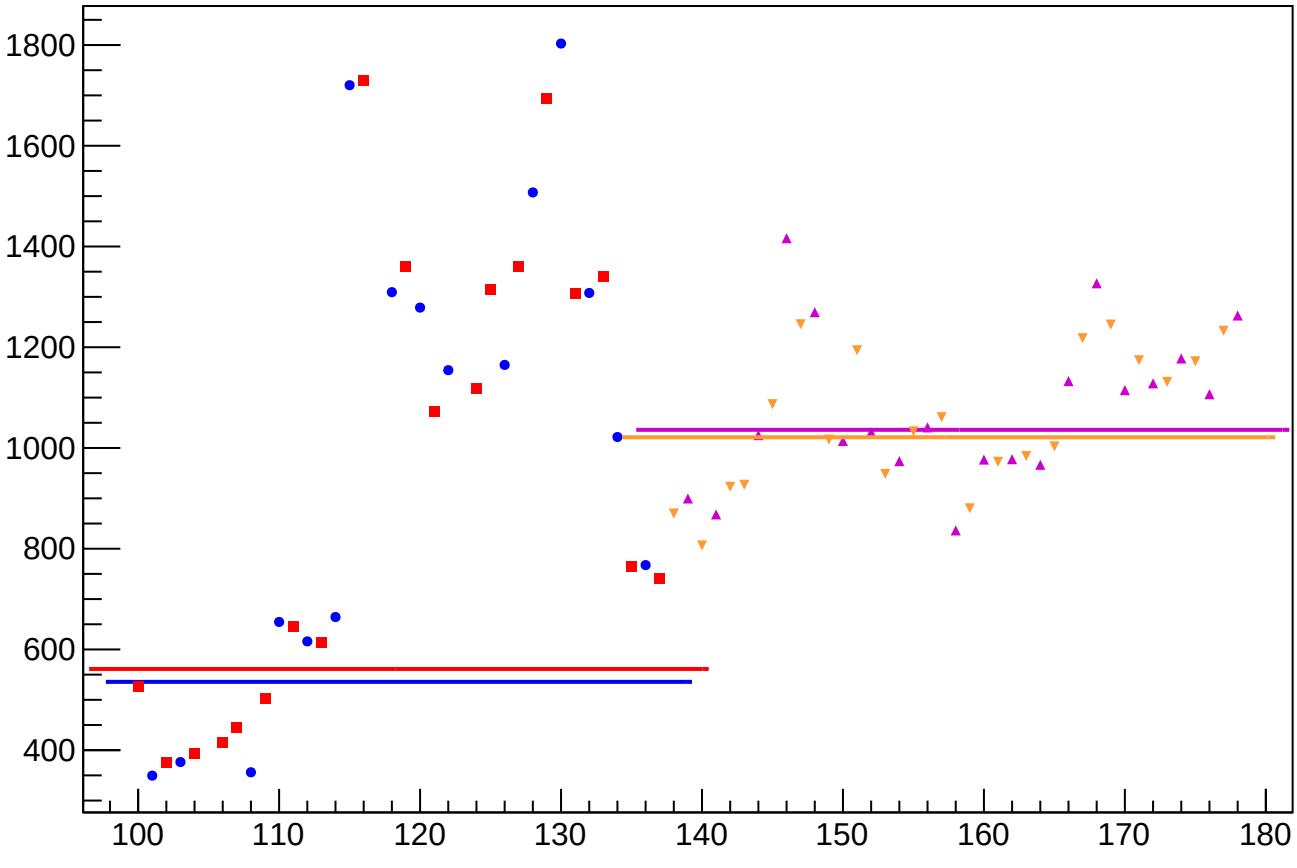
Left: 124.069+/-181.017 χ^2/NDF: 64.7/40

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 108.667+/-172.333 χ^2/NDF:49.8/35

Out: 206.436+/-171.252 χ^2/NDF:47.7/39

All: 157.860+/-121.474 χ^2/NDF: 97.6/75



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: 1036.057+/-0.183 χ^2/NDF:607034.0/19

Left: 1028.486+/-0.128 χ^2/NDF: 1171595.1/40

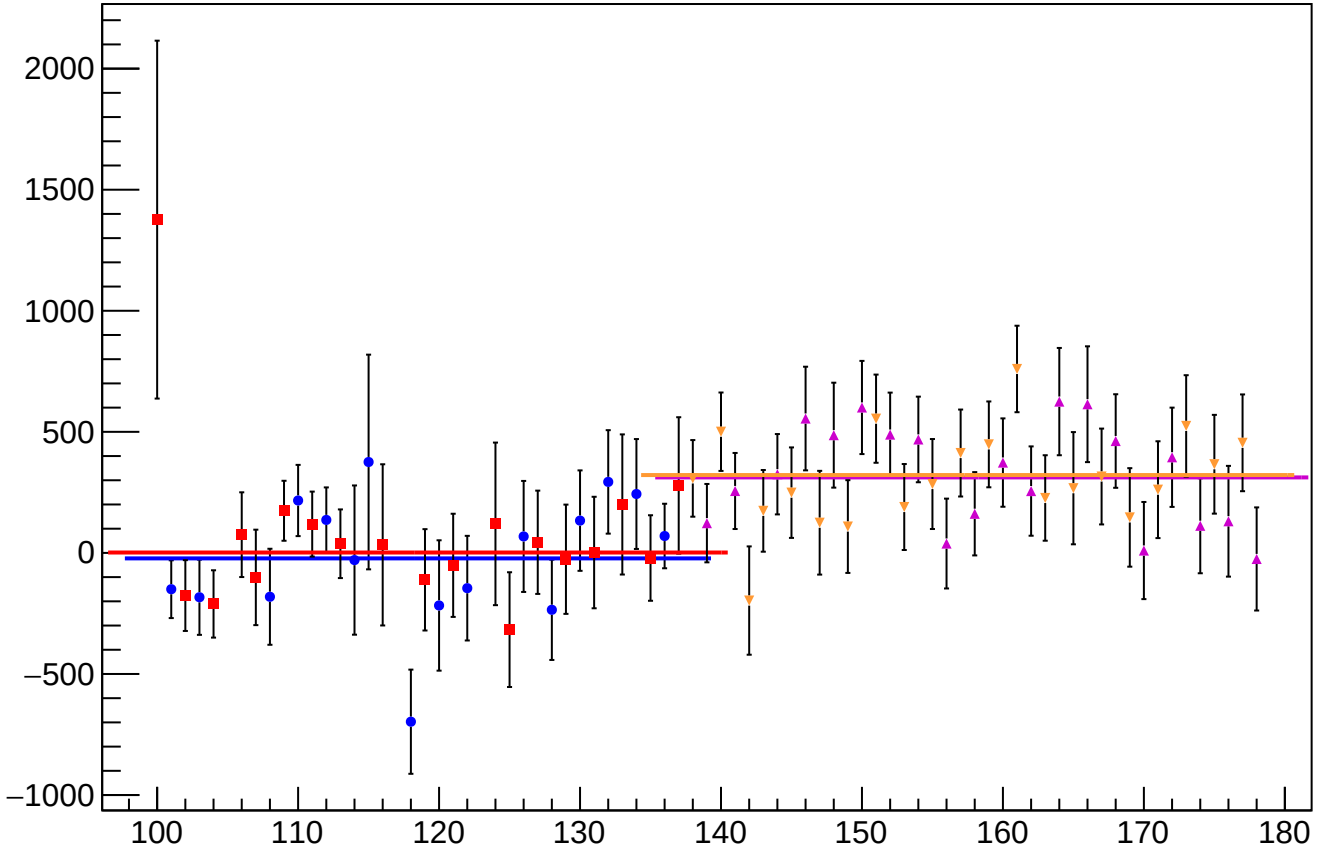
Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 756.722+/-0.122 χ^2/NDF:8398039.3/35

Out: 772.316+/-0.121 χ^2/NDF:7275326.5/39

All: 764.568+/-0.086 χ^2/NDF: 15681604.5/75

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: 311.741+/-42.517 χ^2/NDF:21.4/19

Left: 316.795+/-29.534 χ^2/NDF: 42.7/40

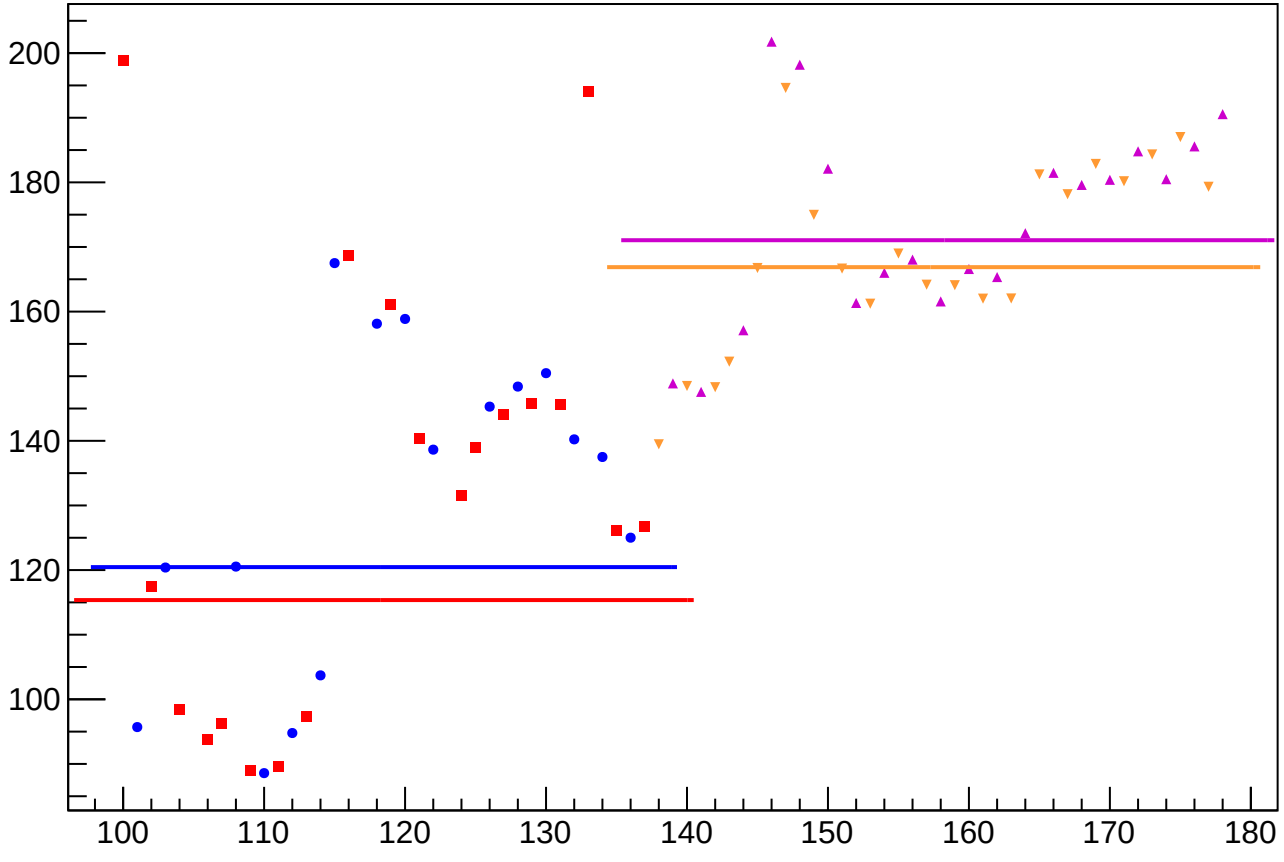
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 157.339+/-31.194 χ^2/NDF:74.2/35

Out: 171.021+/-29.878 χ^2/NDF:64.1/39

All: 164.475+/-21.577 χ^2/NDF: 138.4/75

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: 171.046+/-0.030 χ^2/NDF:243703.6/19

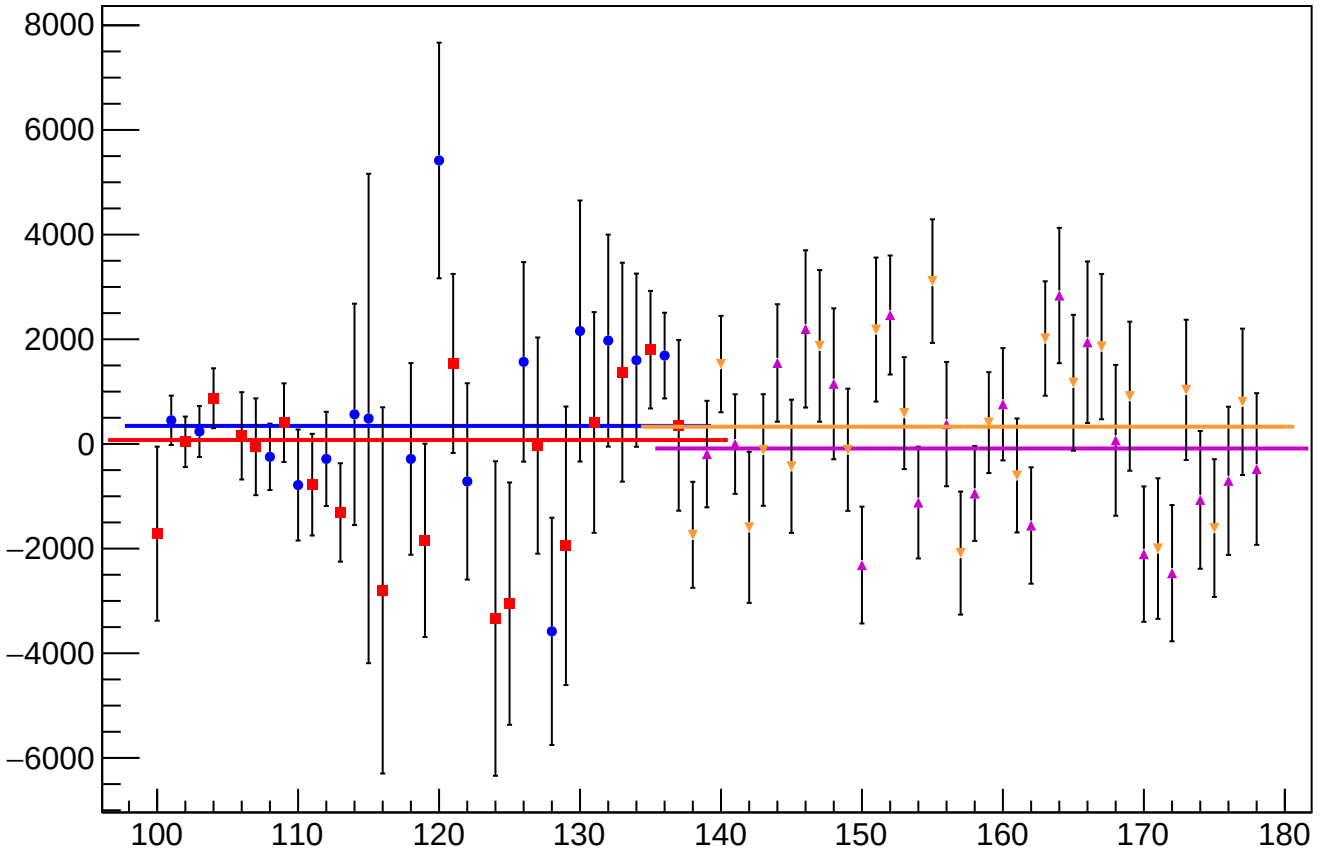
Left: 168.889+/-0.021 χ^2/NDF: 488105.5/40

Right: 117.774+/-0.022 χ^2/NDF: 1310562.3/34

In: 147.690+/-0.022 χ^2/NDF:2081308.1/35

Out: 142.642+/-0.021 χ^2/NDF:2483181.4/39

All: 145.057+/-0.015 χ^2/NDF: 4591802.9/75



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: -86.575+/-266.480 χ^2/NDF:32.0/19

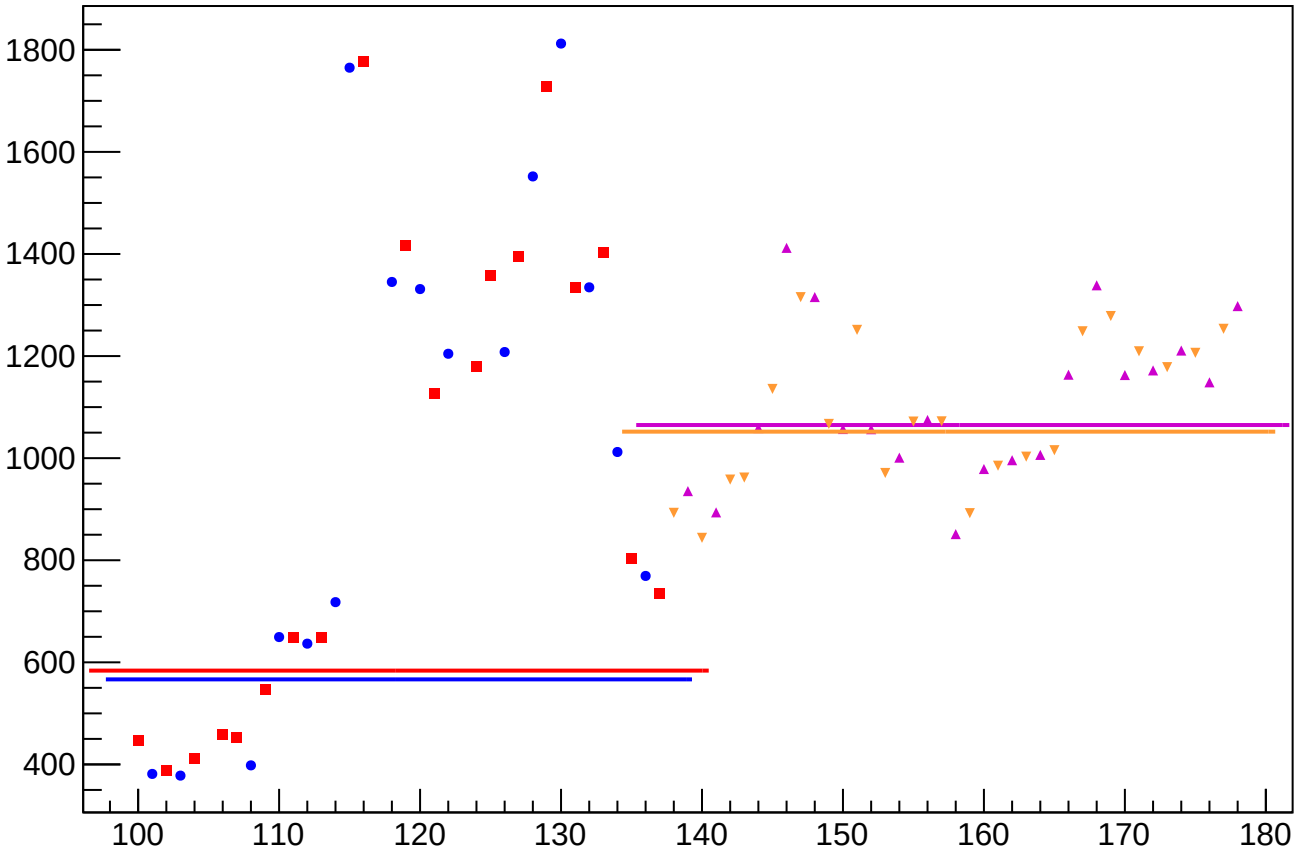
Left: 126.224+/-186.261 χ^2/NDF: 64.8/40

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 150.047+/-178.960 χ^2/NDF:49.7/35

Out: 192.355+/-176.683 χ^2/NDF:47.3/39

All: 171.472+/-125.731 χ^2/NDF: 97.0/75



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: 1064.919+/-0.188 χ^2/NDF:596090.6/19

Left: 1058.277+/-0.132 χ^2/NDF: 1175199.8/40

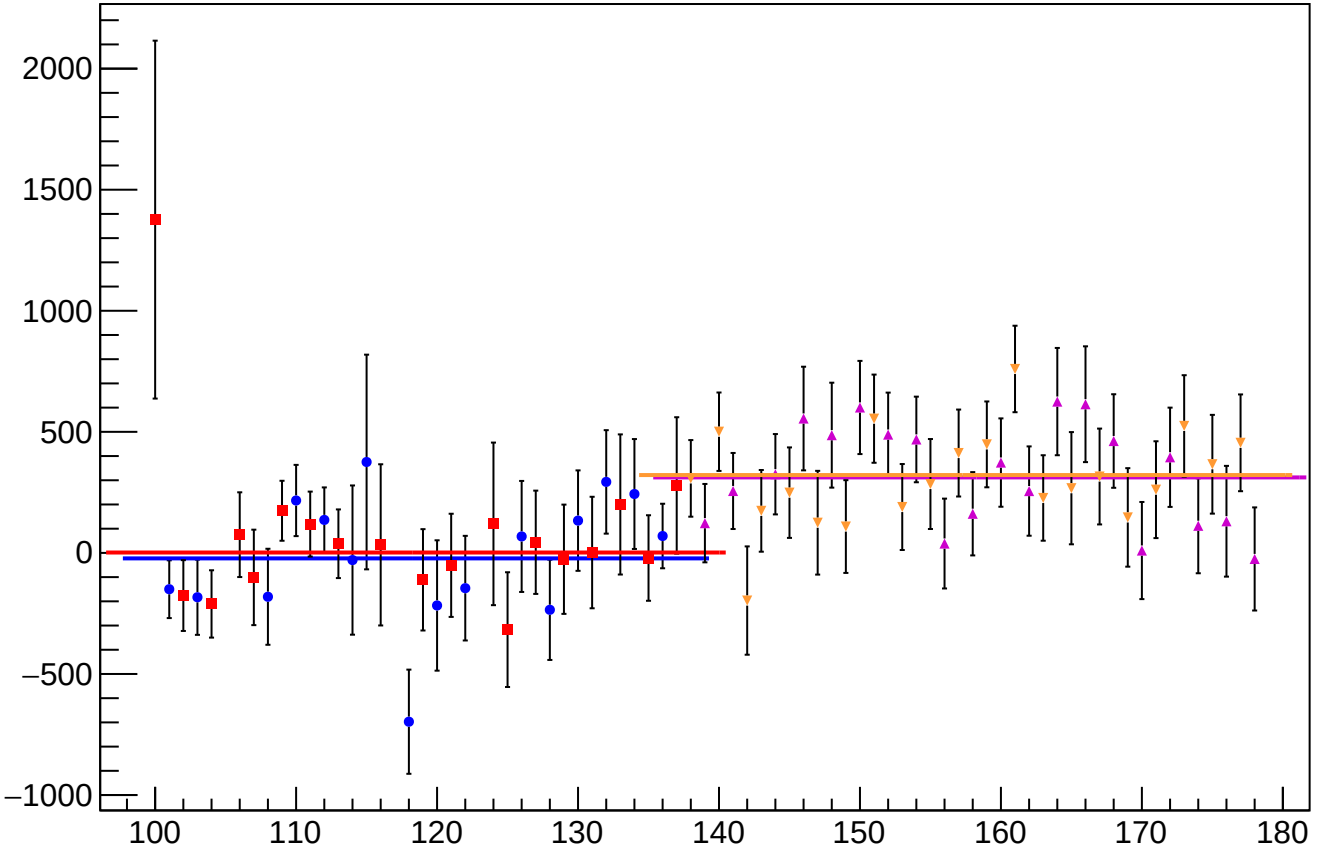
Right: 575.236+/-0.121 χ^2/NDF: 6545041.6/34

In: 791.348+/-0.127 χ^2/NDF:7868046.1/35

Out: 799.231+/-0.125 χ^2/NDF:7172126.7/39

All: 795.340+/-0.089 χ^2/NDF: 15042137.8/75

eigen_dit_asym_sam6_mean vs Slug, Sign Corrected



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: 311.741+/-42.517 χ^2/NDF:21.4/19

Left: 316.796+/-29.534 χ^2/NDF: 42.7/40

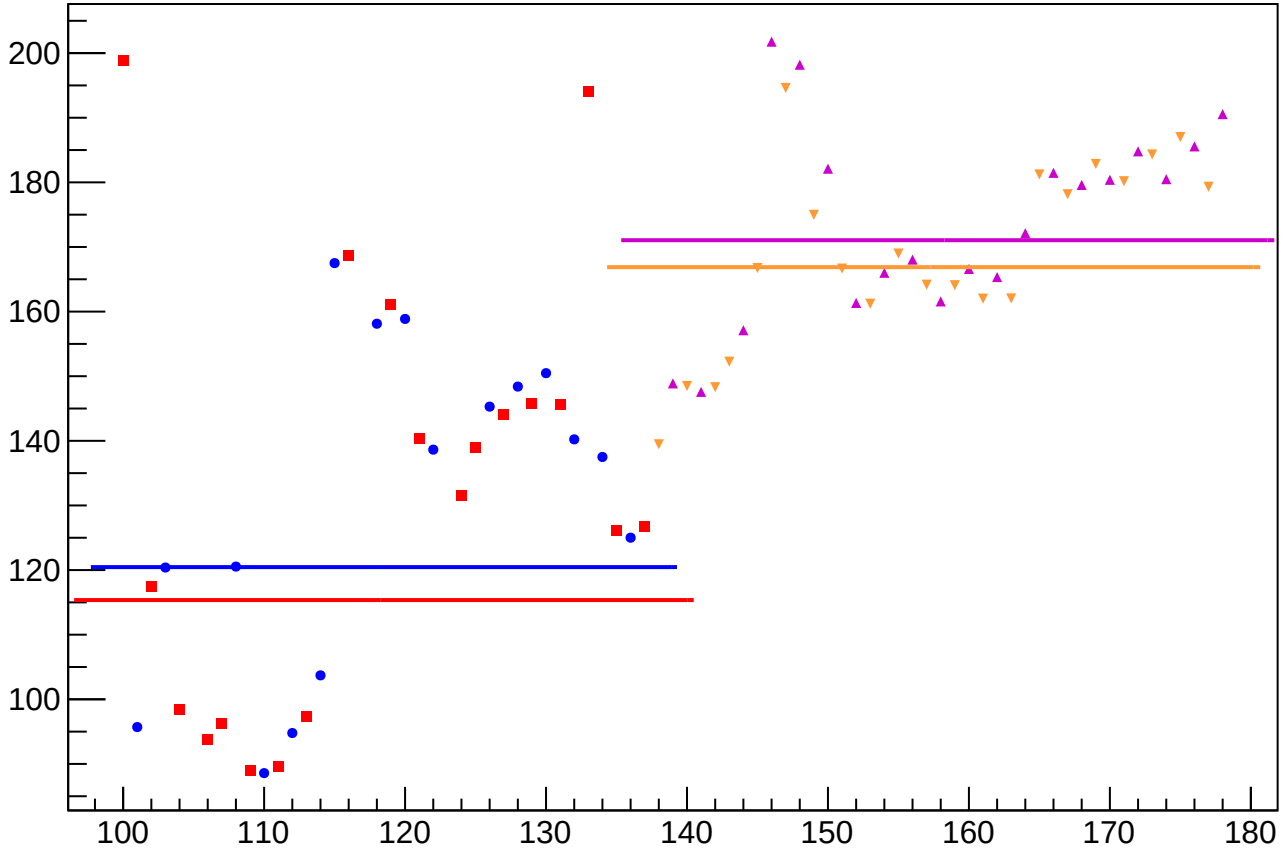
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 157.338+/-31.194 χ^2/NDF:74.2/35

Out: 171.022+/-29.878 χ^2/NDF:64.1/39

All: 164.475+/-21.577 χ^2/NDF: 138.4/75

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



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: 171.046+/-0.030 χ^2/NDF:243703.9/19

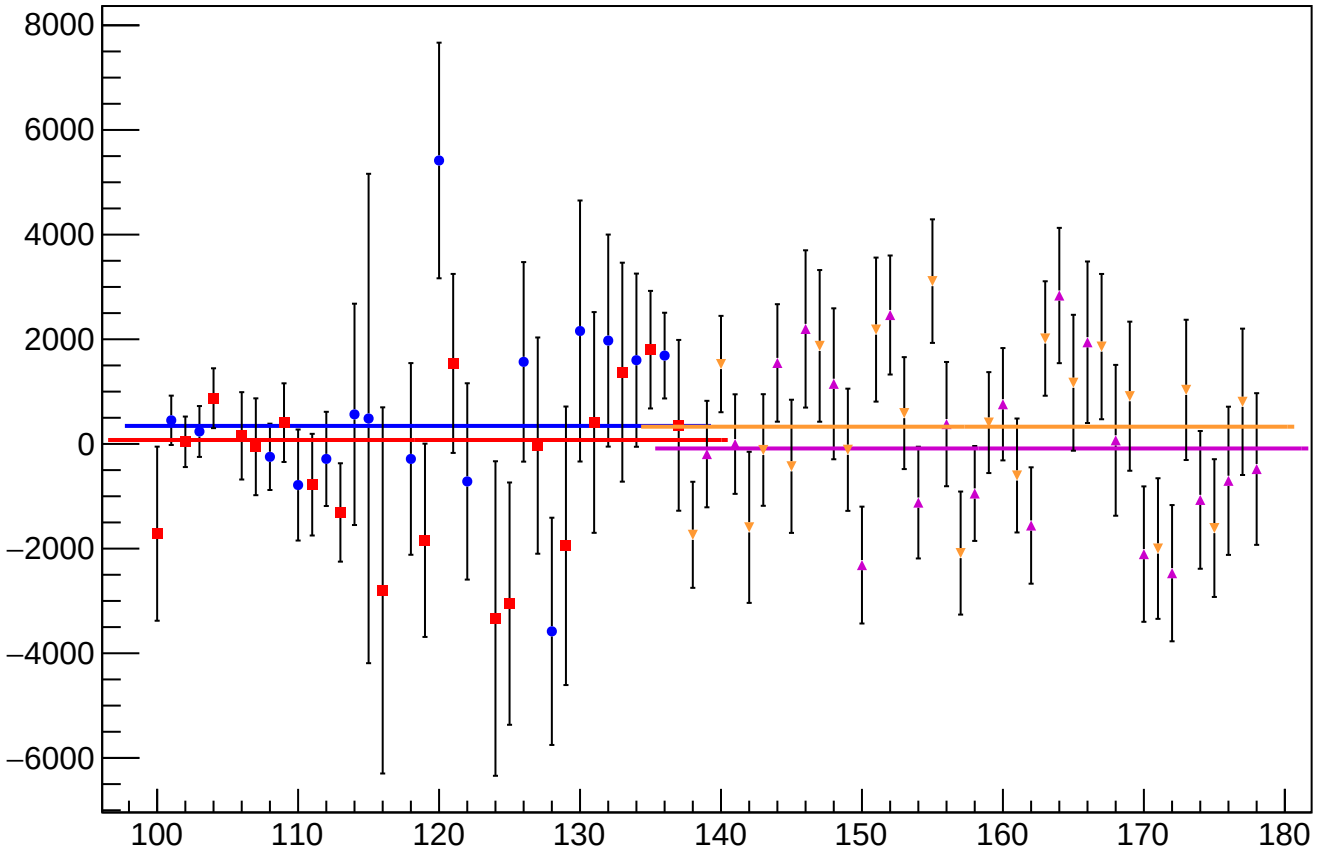
Left: 168.889+/-0.021 χ^2/NDF: 488105.9/40

Right: 117.774+/-0.022 χ^2/NDF: 1310564.2/34

In: 147.689+/-0.022 χ^2/NDF:2081319.9/35

Out: 142.642+/-0.021 χ^2/NDF:2483184.5/39

All: 145.057+/-0.015 χ^2/NDF: 4591817.4/75



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: -86.575+/-266.480 χ^2/NDF:32.0/19

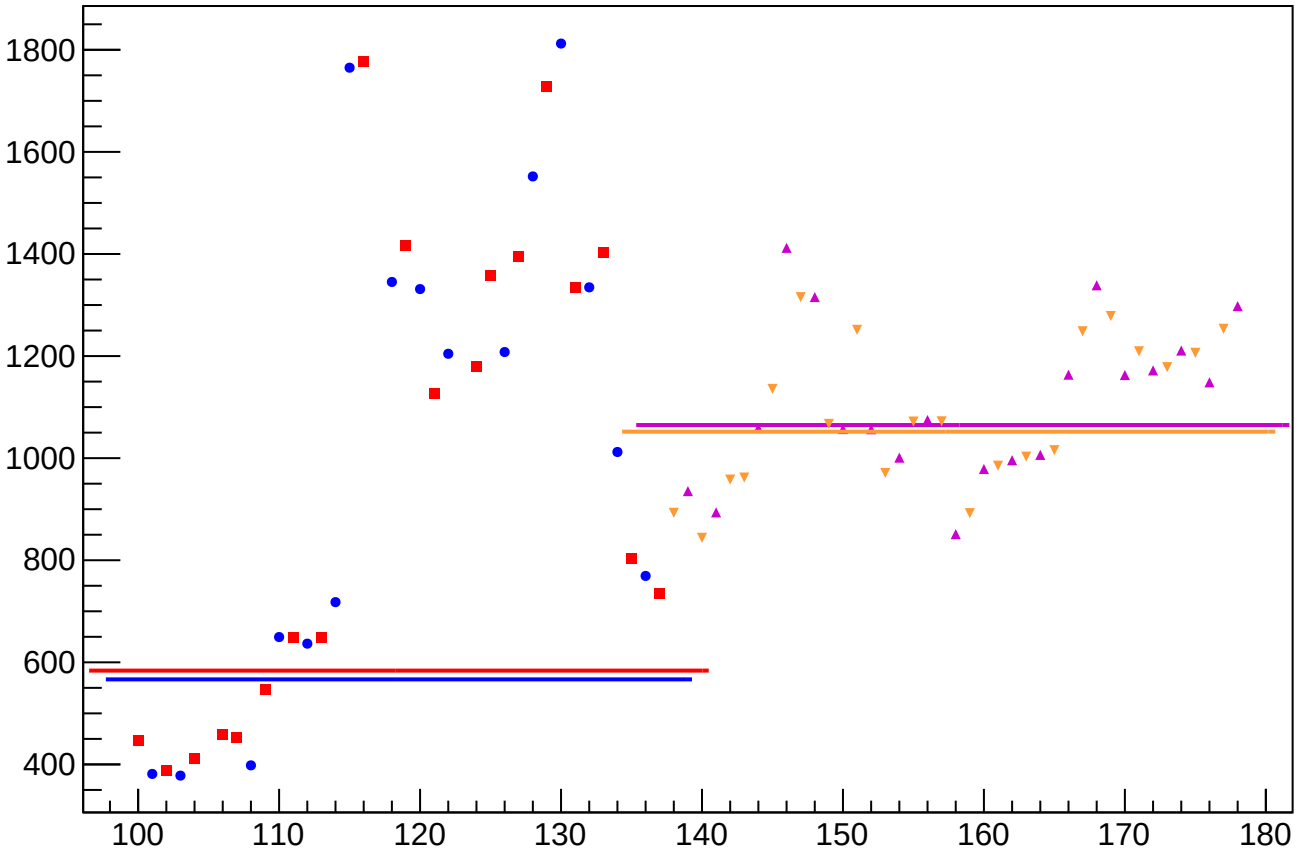
Left: 126.225+/-186.261 χ^2/NDF: 64.8/40

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 150.046+/-178.960 χ^2/NDF:49.7/35

Out: 192.356+/-176.683 χ^2/NDF:47.3/39

All: 171.472+/-125.731 χ^2/NDF: 97.0/75



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: 1064.919+/-0.188 χ^2/NDF:596094.5/19

Left: 1058.277+/-0.132 χ^2/NDF: 1175208.6/40

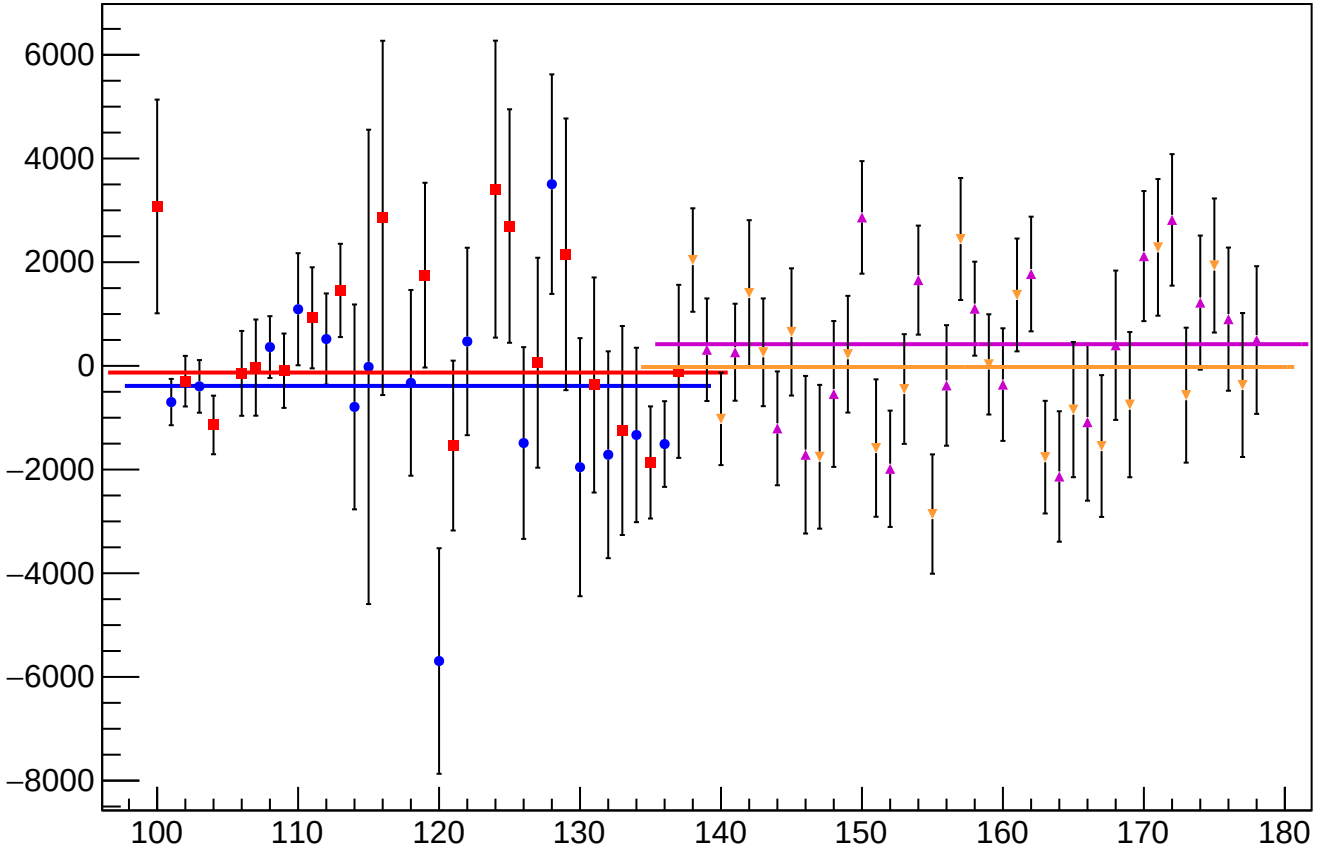
Right: 575.236+/-0.121 χ^2/NDF: 6545046.5/34

In: 791.348+/-0.127 χ^2/NDF:7868068.4/35

Out: 799.230+/-0.125 χ^2/NDF:7172143.4/39

All: 795.339+/-0.089 χ^2/NDF: 15042176.9/75

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: 418.297+/-262.412 χ^2/NDF:29.8/19

Left: 192.647+/-183.172 χ^2/NDF: 63.5/40

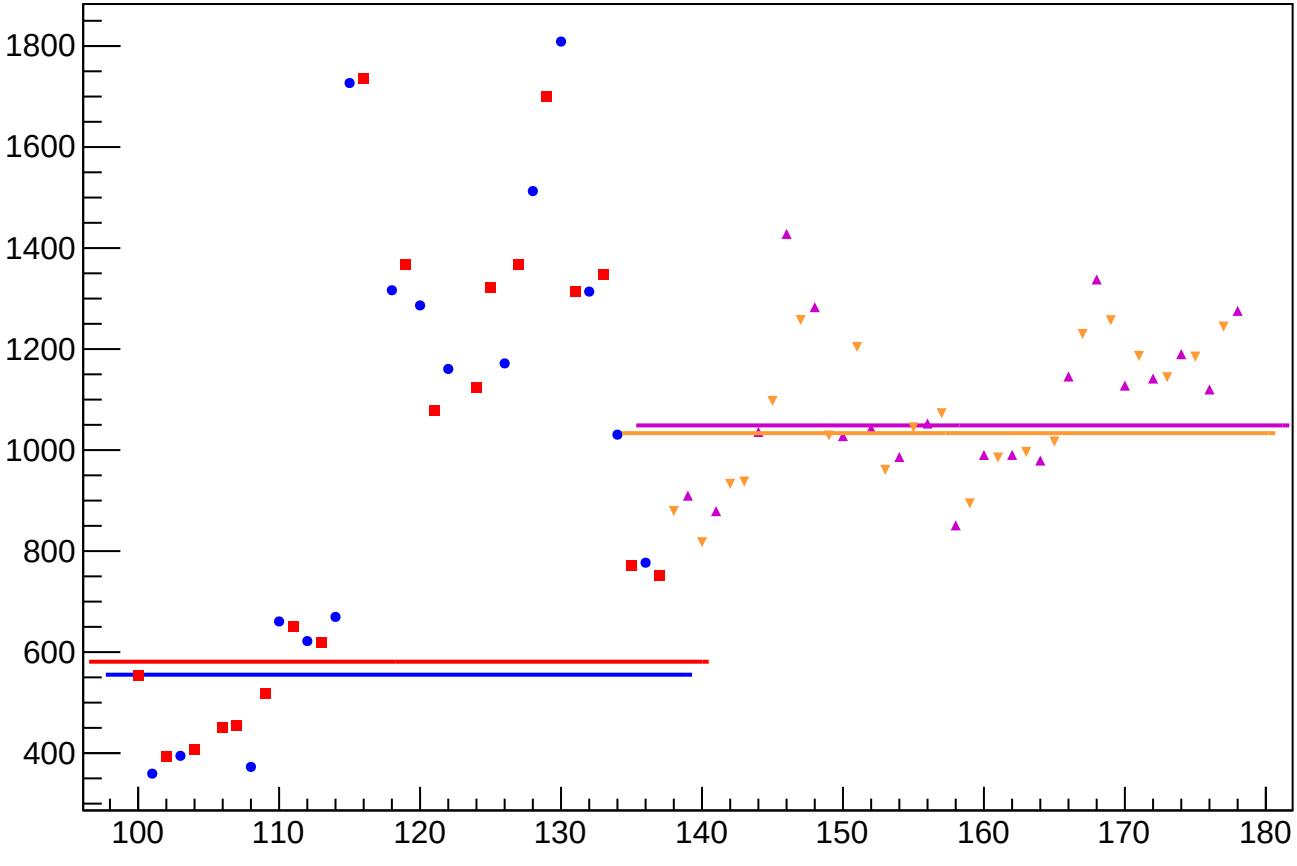
Right: -257.941+/-168.208 χ^2/NDF: 37.9/34

In: -24.078+/-176.098 χ^2/NDF:52.9/35

Out: -78.975+/-174.340 χ^2/NDF:51.8/39

All: -51.801+/-123.894 χ^2/NDF: 104.7/75

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: 1048.870+/-0.186 χ^2/NDF:593313.8/19

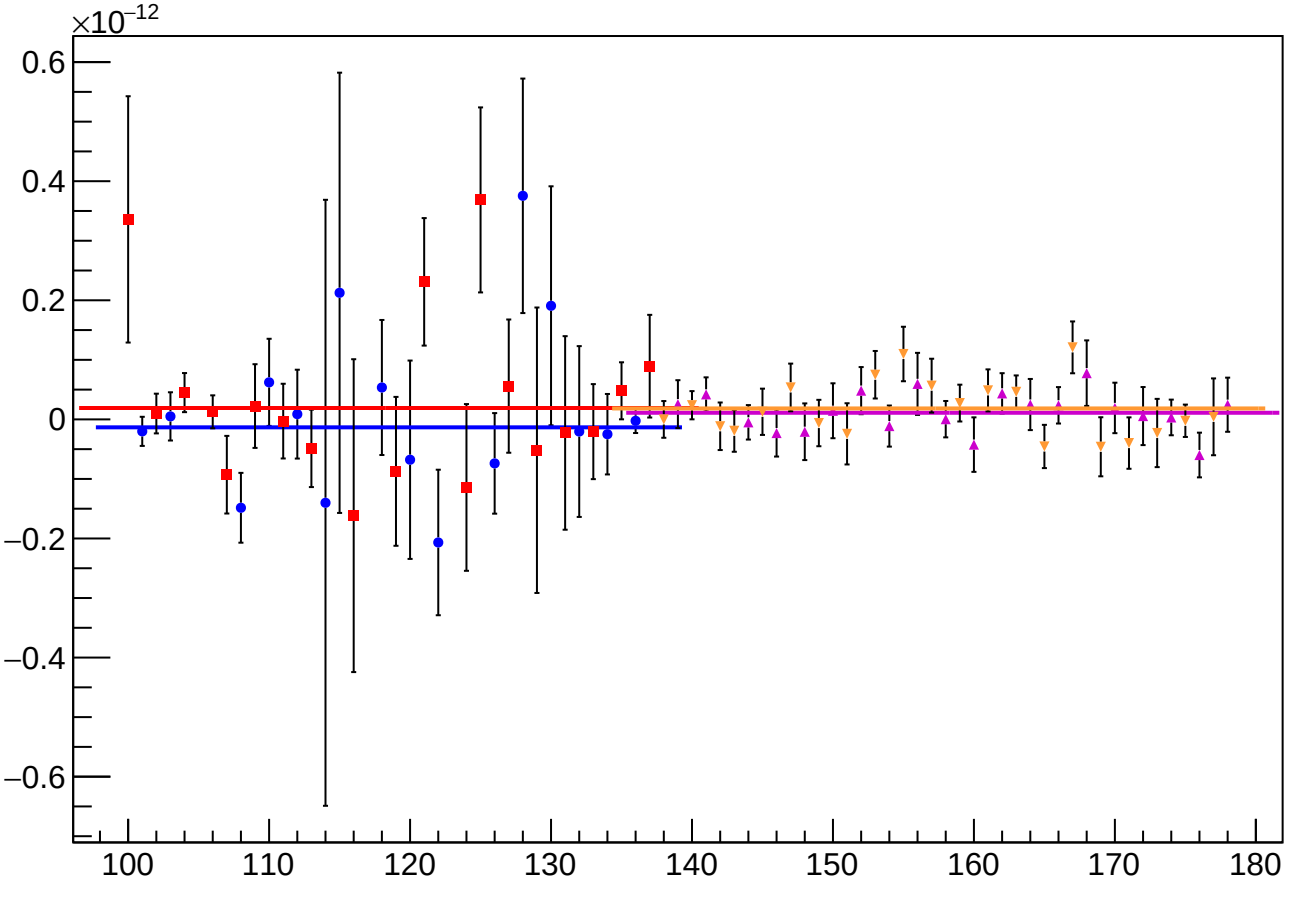
Left: 1041.015+/-0.130 χ^2/NDF: 1146731.3/40

Right: 568.105+/-0.119 χ^2/NDF: 6477767.0/34

In: 777.571+/-0.125 χ^2/NDF:7965105.0/35

Out: 791.205+/-0.123 χ^2/NDF:6885616.8/39

All: 784.457+/-0.088 χ^2/NDF: 14856776.0/75



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:12.9/19

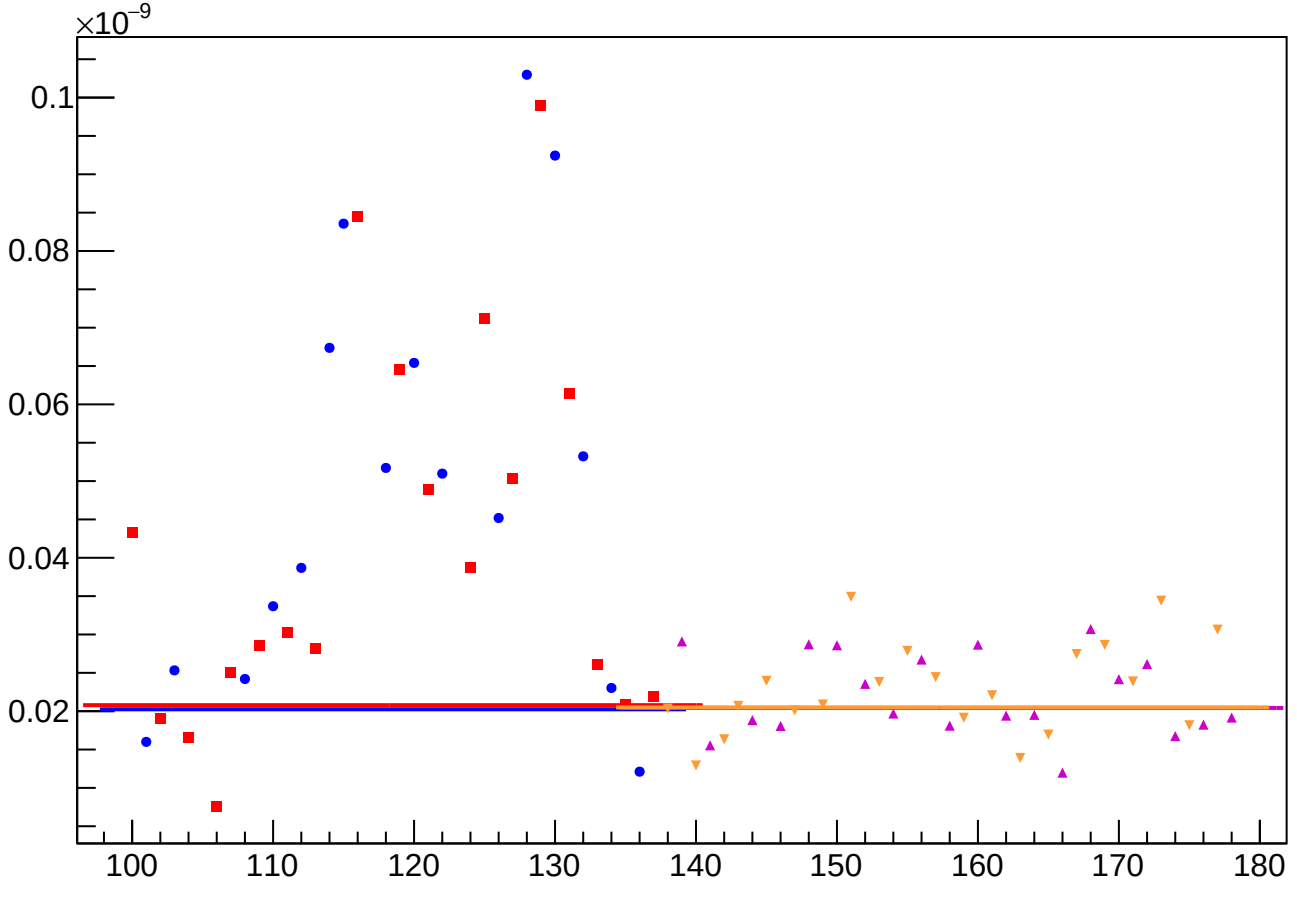
Left: 0.000+/-0.000 χ^2/NDF: 39.1/40

Right: 0.000+/-0.000 χ^2/NDF: 38.7/34

In: 0.000+/-0.000 χ^2/NDF:31.3/35

Out: 0.000+/-0.000 χ^2/NDF:45.7/39

All: 0.000+/-0.000 χ^2/NDF: 79.3/75



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:713438.9/19

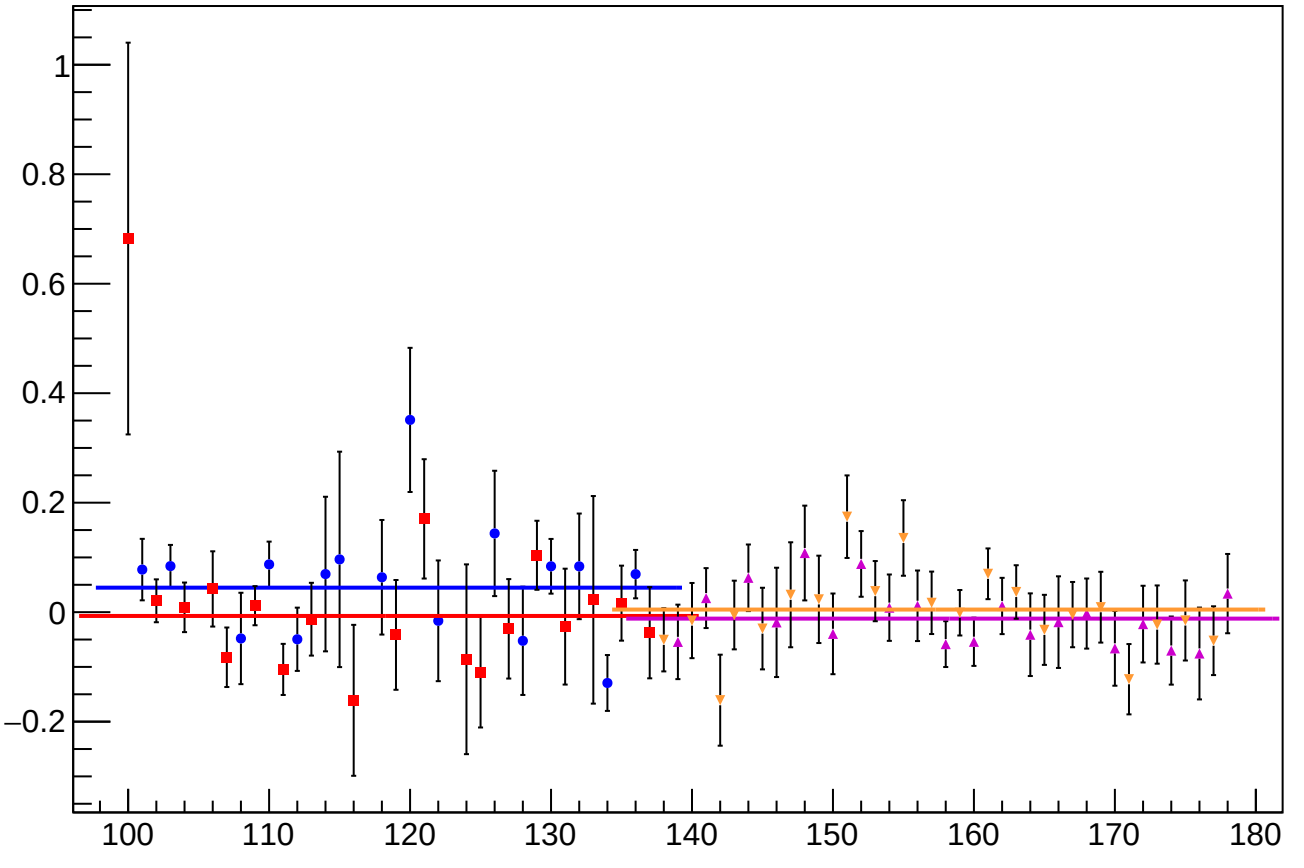
Left: 0.000+/-0.000 χ^2/NDF: 1634722.5/40

Right: 0.000+/-0.000 χ^2/NDF: 3862189.3/34

In: 0.000+/-0.000 χ^2/NDF:2718379.3/35

Out: 0.000+/-0.000 χ^2/NDF:2777768.6/39

All: 0.000+/-0.000 χ^2/NDF: 5496935.5/75



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: -0.012+/-0.014 χ^2/NDF:12.5/19

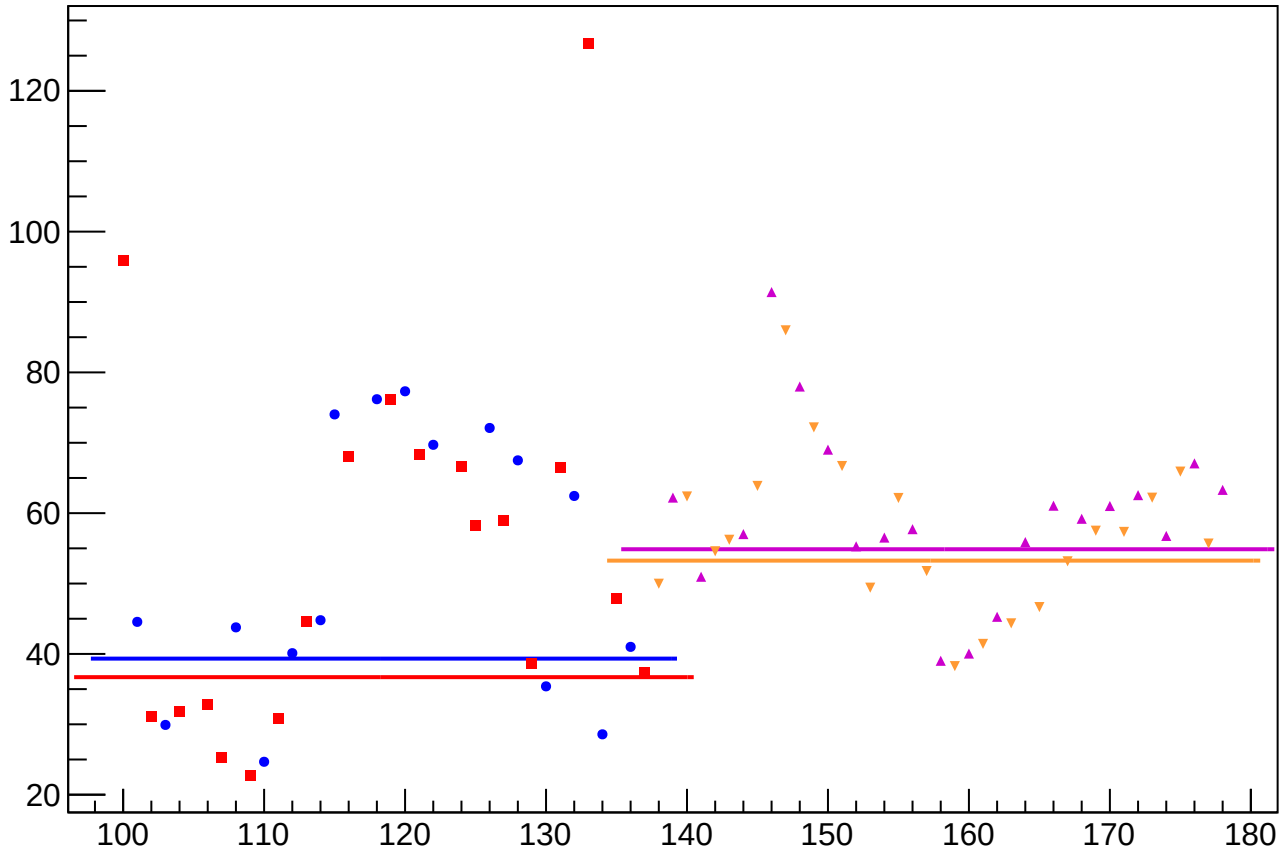
Left: -0.003+/-0.010 χ^2/NDF: 35.4/40

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.013+/-0.011 χ^2/NDF:46.2/35

Out: -0.000+/-0.010 χ^2/NDF:42.7/39

All: 0.006+/-0.007 χ^2/NDF: 89.7/75



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: 54.874+/-0.010 χ^2/NDF:1240346.4/19

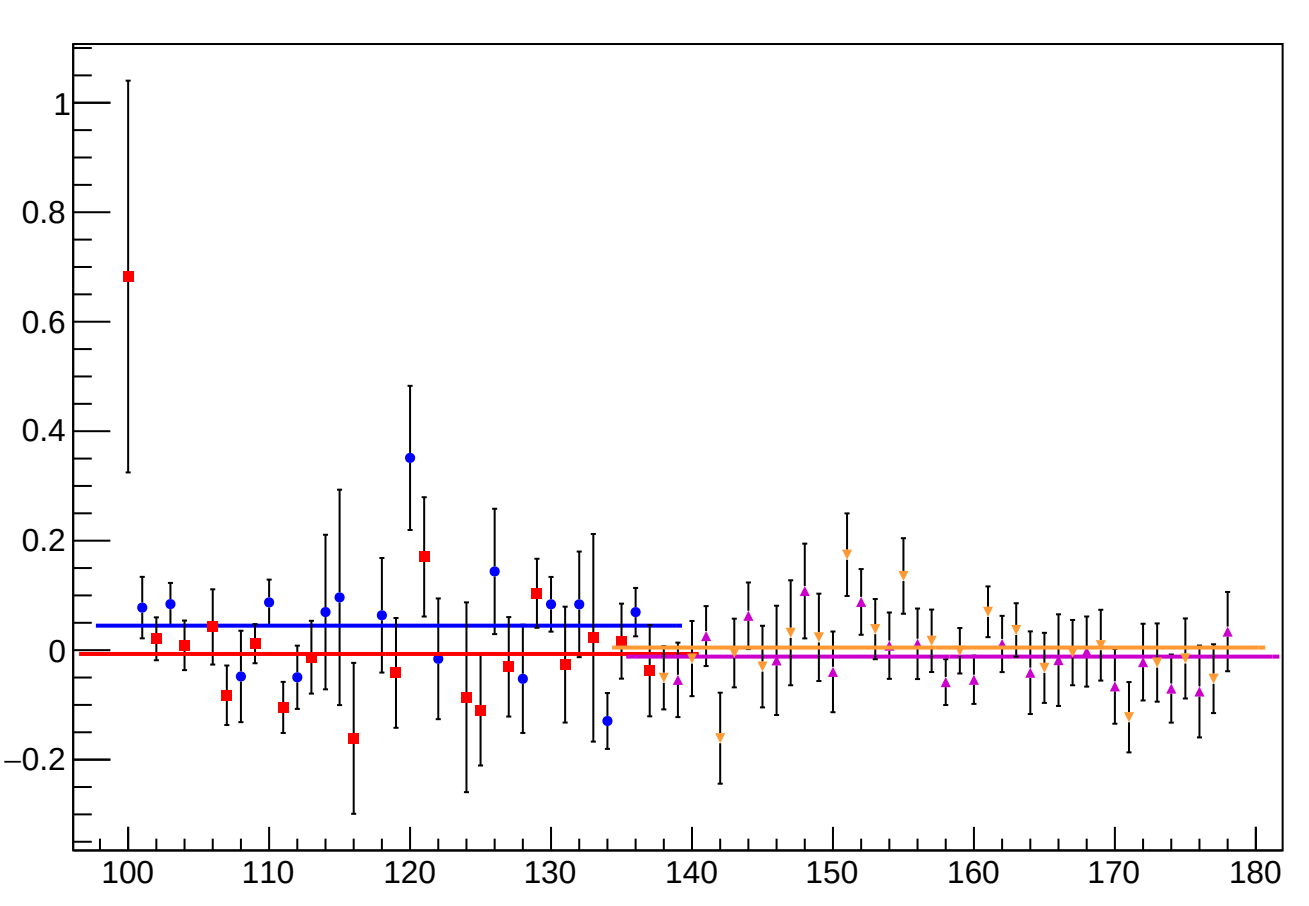
Left: 54.033+/-0.007 χ^2/NDF: 2384163.5/40

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 48.118+/-0.007 χ^2/NDF:3870277.1/35

Out: 45.908+/-0.007 χ^2/NDF:4562313.7/39

All: 46.960+/-0.005 χ^2/NDF: 8478441.2/75



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: -0.012+/-0.014 χ^2/NDF:12.5/19

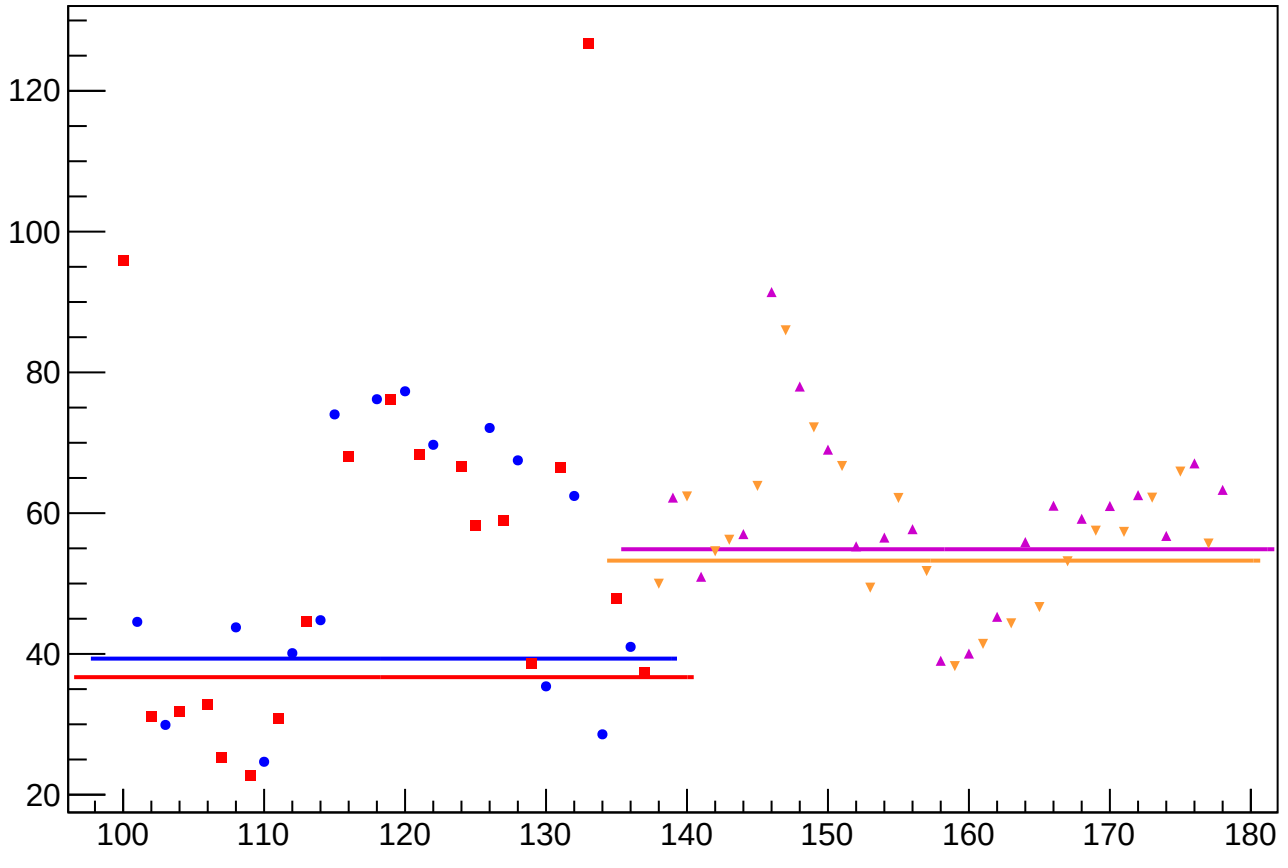
Left: -0.003+/-0.010 χ^2/NDF: 35.4/40

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.013+/-0.011 χ^2/NDF:46.2/35

Out: -0.000+/-0.010 χ^2/NDF:42.7/39

All: 0.006+/-0.007 χ^2/NDF: 89.7/75



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: 54.874+/-0.010 χ^2/NDF:1240346.4/19

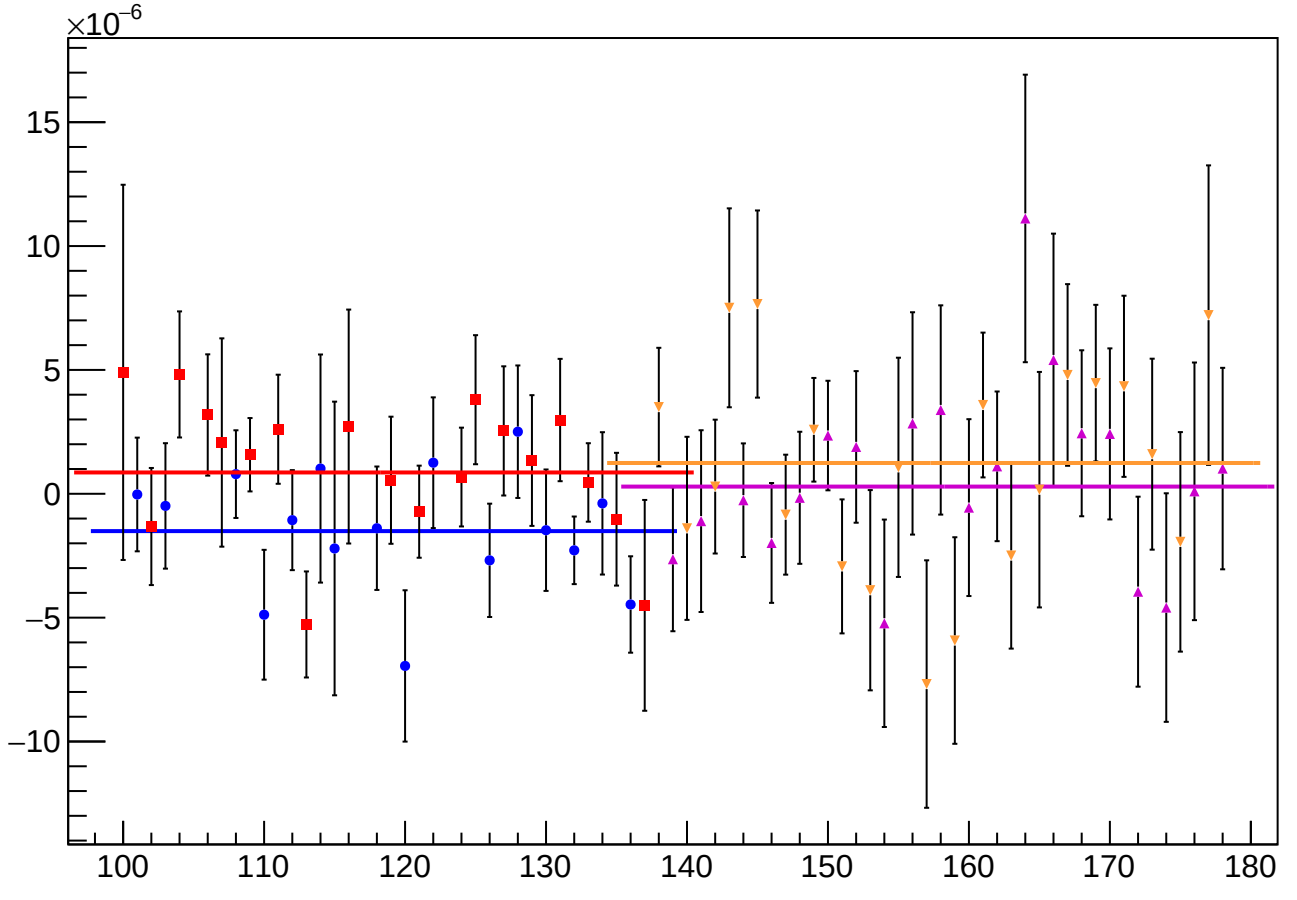
Left: 54.033+/-0.007 χ^2/NDF: 2384163.5/40

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 48.118+/-0.007 χ^2/NDF:3870277.1/35

Out: 45.908+/-0.007 χ^2/NDF:4562313.7/39

All: 46.960+/-0.005 χ^2/NDF: 8478441.2/75



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:13.7/19

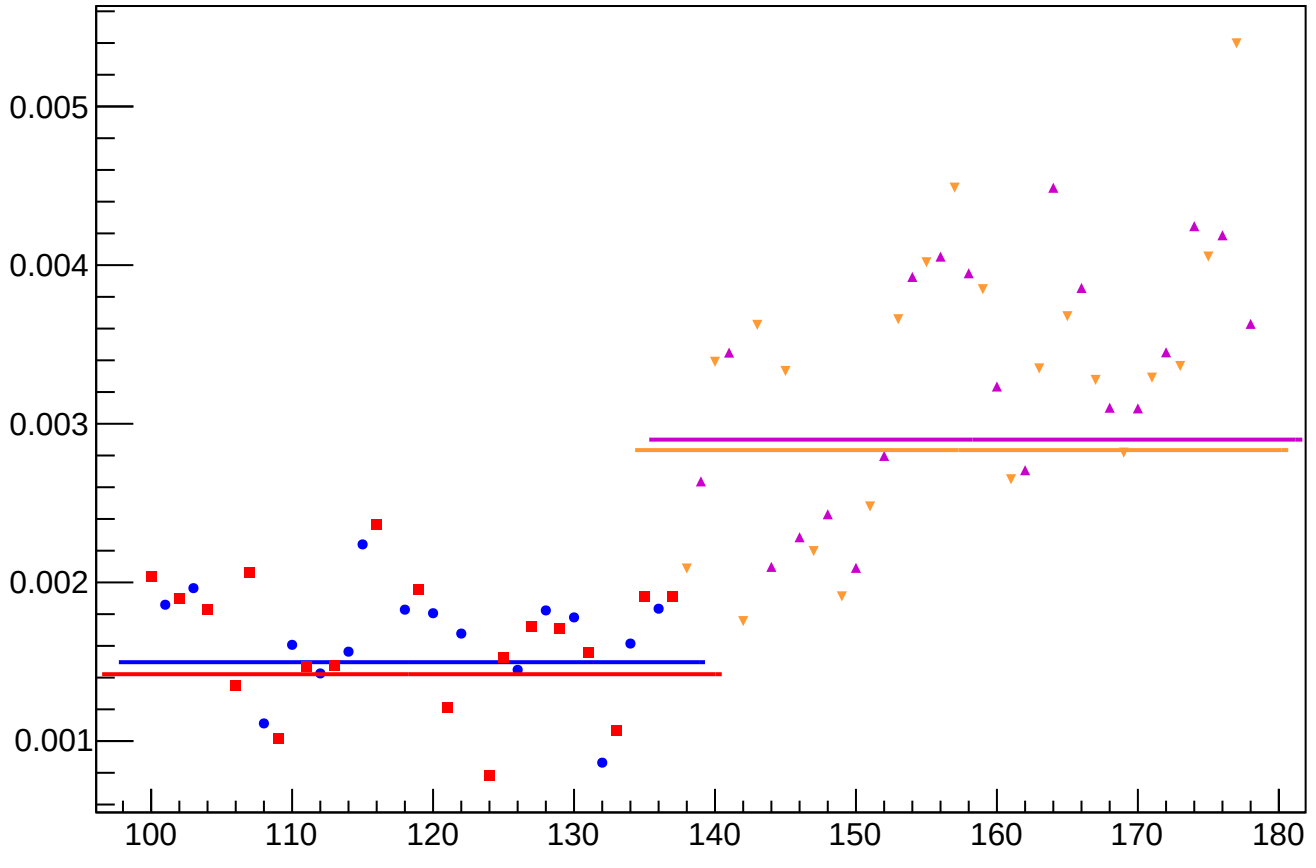
Left: 0.000+/-0.000 χ^2/NDF: 38.5/40

Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

In: -0.000+/-0.000 χ^2/NDF:31.2/35

Out: 0.000+/-0.000 χ^2/NDF:43.3/39

All: 0.000+/-0.000 χ^2/NDF: 82.8/75



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:1800225.1/19

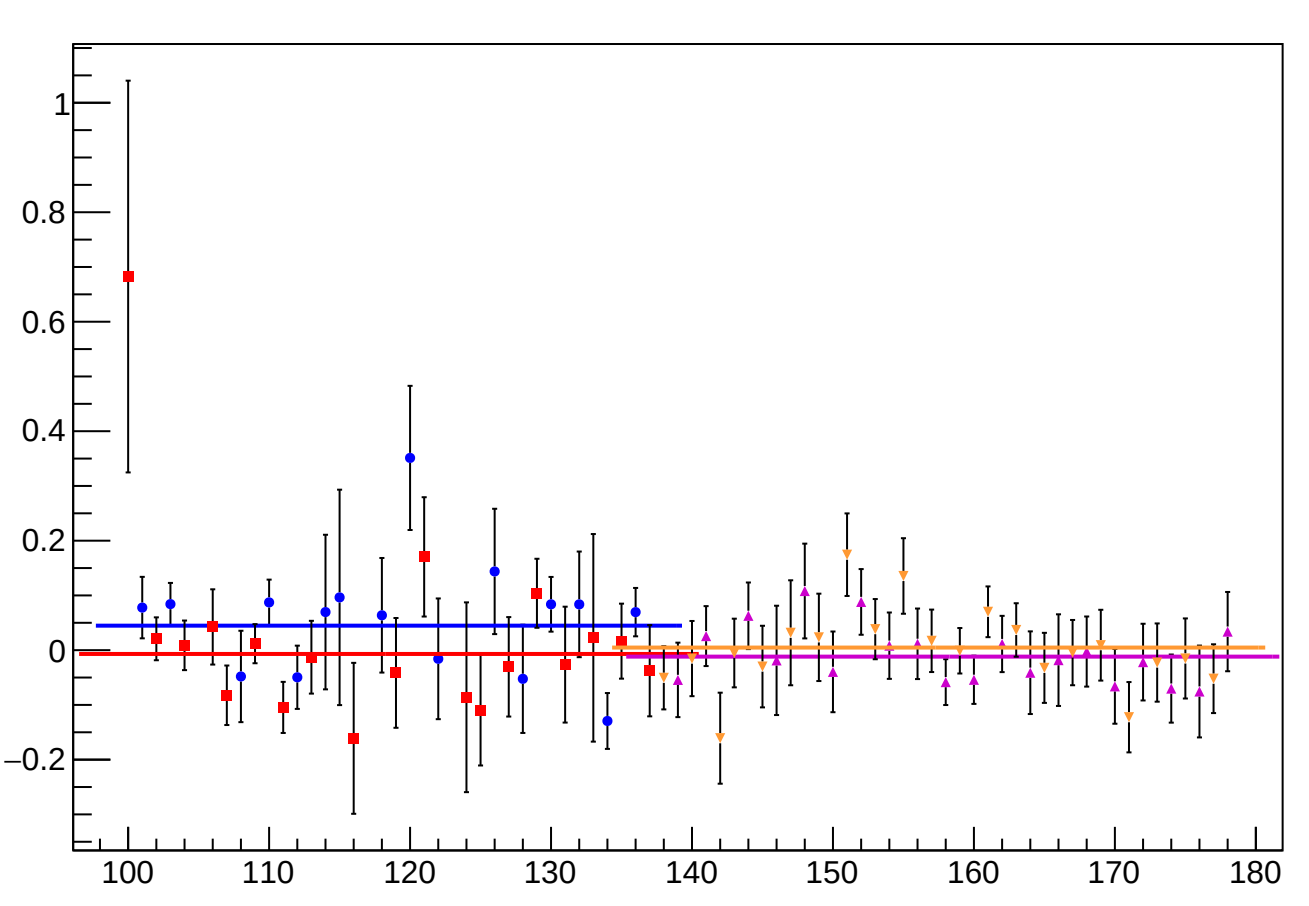
Left: 0.003+/-0.000 χ^2/NDF: 4322346.0/40

Right: 0.001+/-0.000 χ^2/NDF: 1883510.3/34

In: 0.002+/-0.000 χ^2/NDF:7091269.3/35

Out: 0.002+/-0.000 χ^2/NDF:8353828.9/39

All: 0.002+/-0.000 χ^2/NDF: 15497091.5/75



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: -0.012+/-0.014 χ^2/NDF:12.5/19

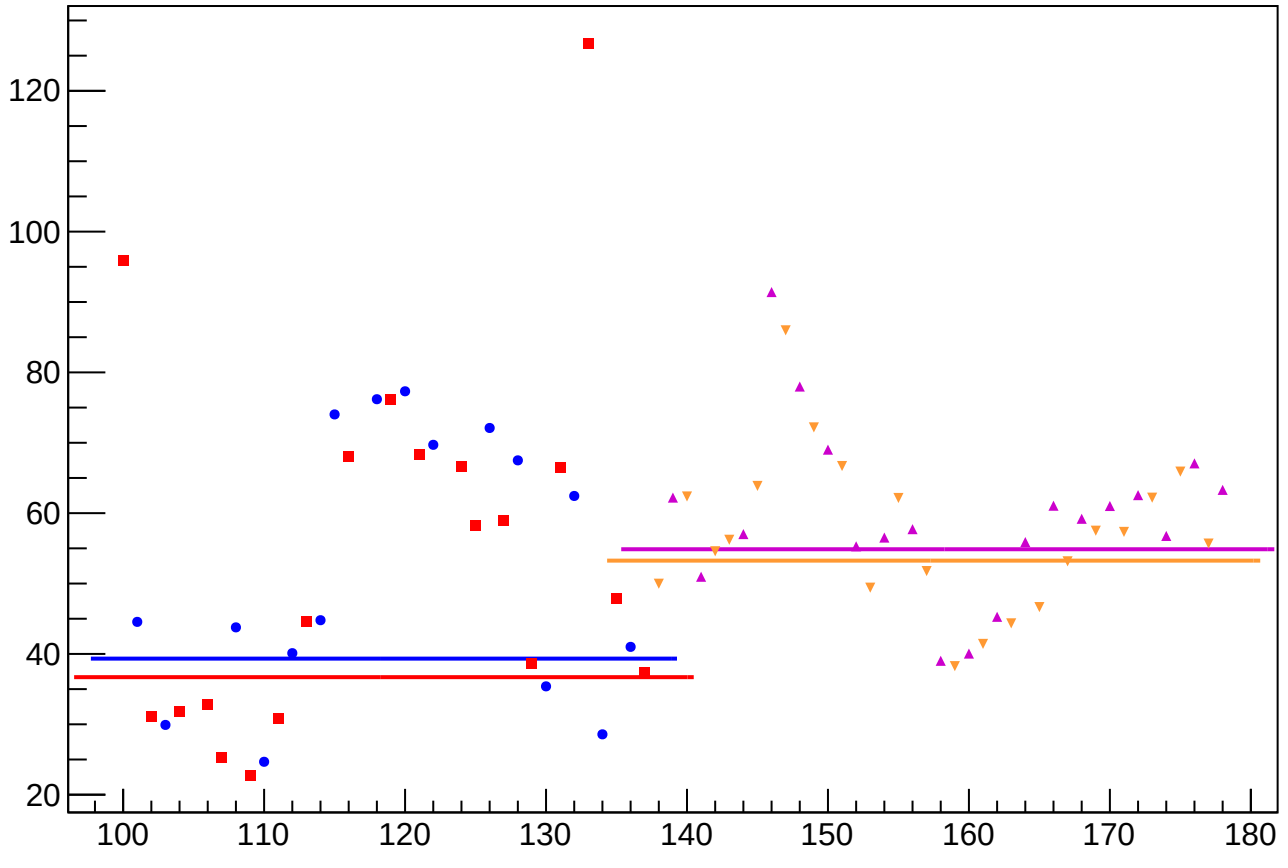
Left: -0.003+/-0.010 χ^2/NDF: 35.4/40

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.013+/-0.011 χ^2/NDF:46.2/35

Out: -0.000+/-0.010 χ^2/NDF:42.7/39

All: 0.006+/-0.007 χ^2/NDF: 89.7/75



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: 54.873+/-0.010 χ^2/NDF:1240495.2/19

Left: 54.032+/-0.007 χ^2/NDF: 2384404.8/40

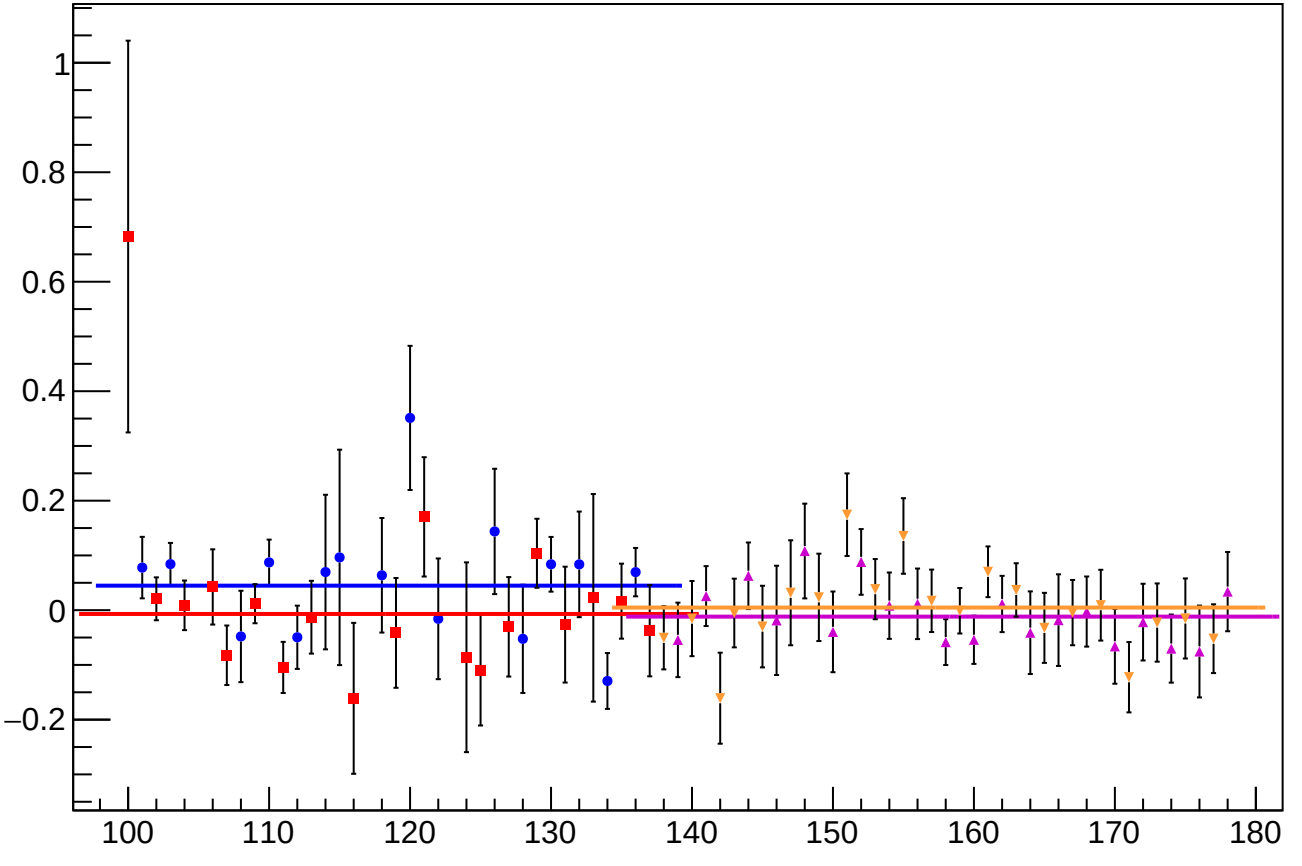
Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 48.117+/-0.007 χ^2/NDF:3870389.0/35

Out: 45.908+/-0.007 χ^2/NDF:4562310.9/39

All: 46.959+/-0.005 χ^2/NDF: 8478540.9/75

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: -0.012+/-0.014 χ^2/NDF:12.5/19

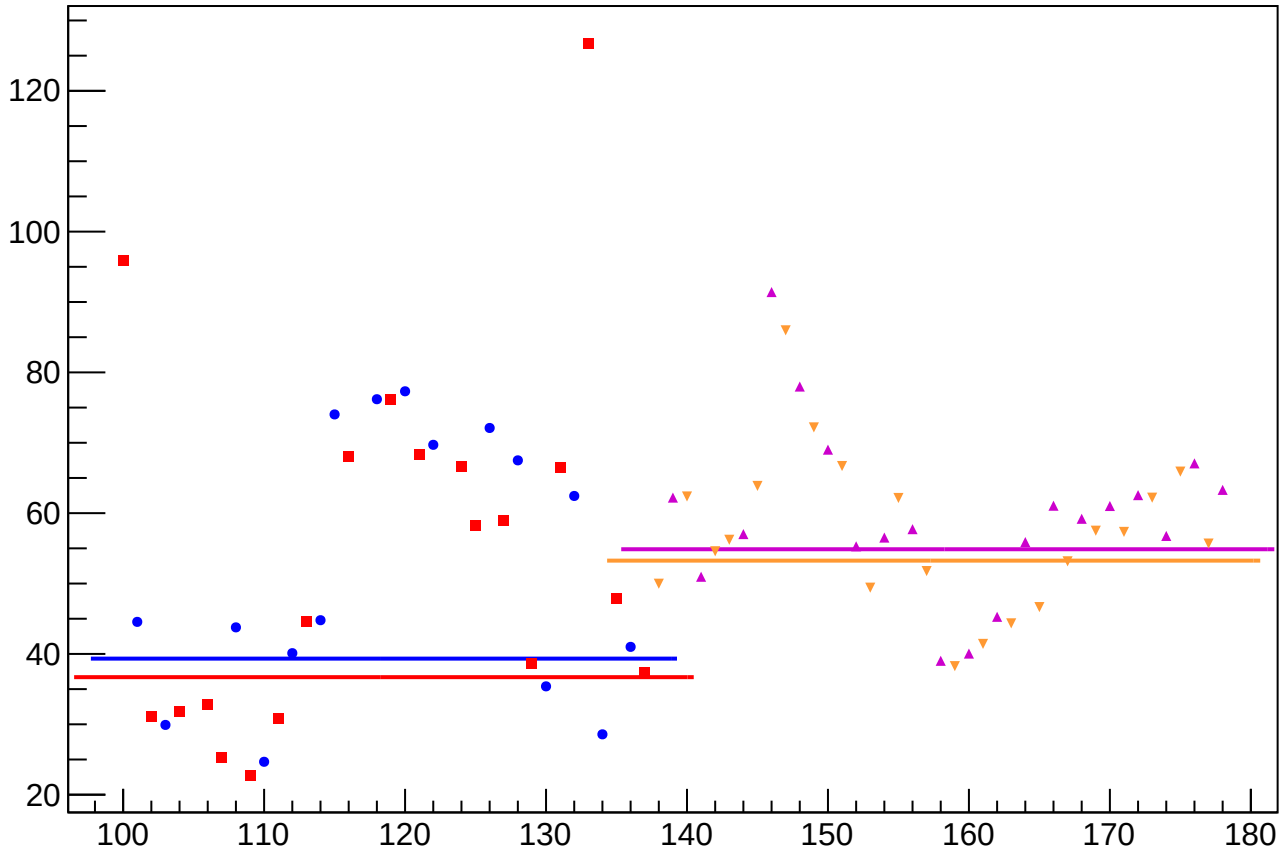
Left: -0.003+/-0.010 χ^2/NDF: 35.4/40

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.013+/-0.011 χ^2/NDF:46.2/35

Out: -0.000+/-0.010 χ^2/NDF:42.7/39

All: 0.006+/-0.007 χ^2/NDF: 89.7/75



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: 54.873+/-0.010 χ^2/NDF:1240495.2/19

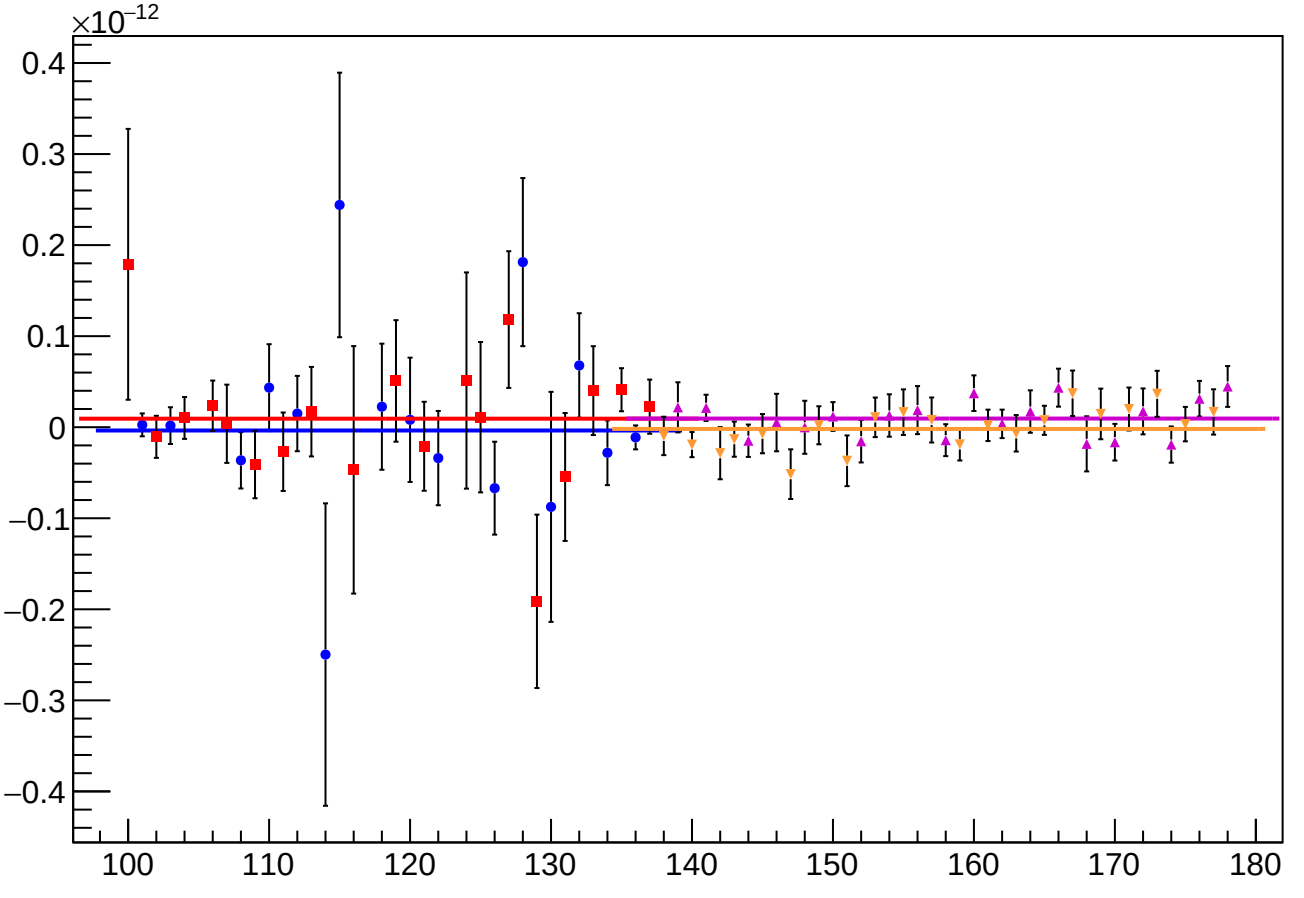
Left: 54.032+/-0.007 χ^2/NDF: 2384404.8/40

Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 48.117+/-0.007 χ^2/NDF:3870389.0/35

Out: 45.908+/-0.007 χ^2/NDF:4562310.9/39

All: 46.959+/-0.005 χ^2/NDF: 8478540.9/75



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:19.3/19

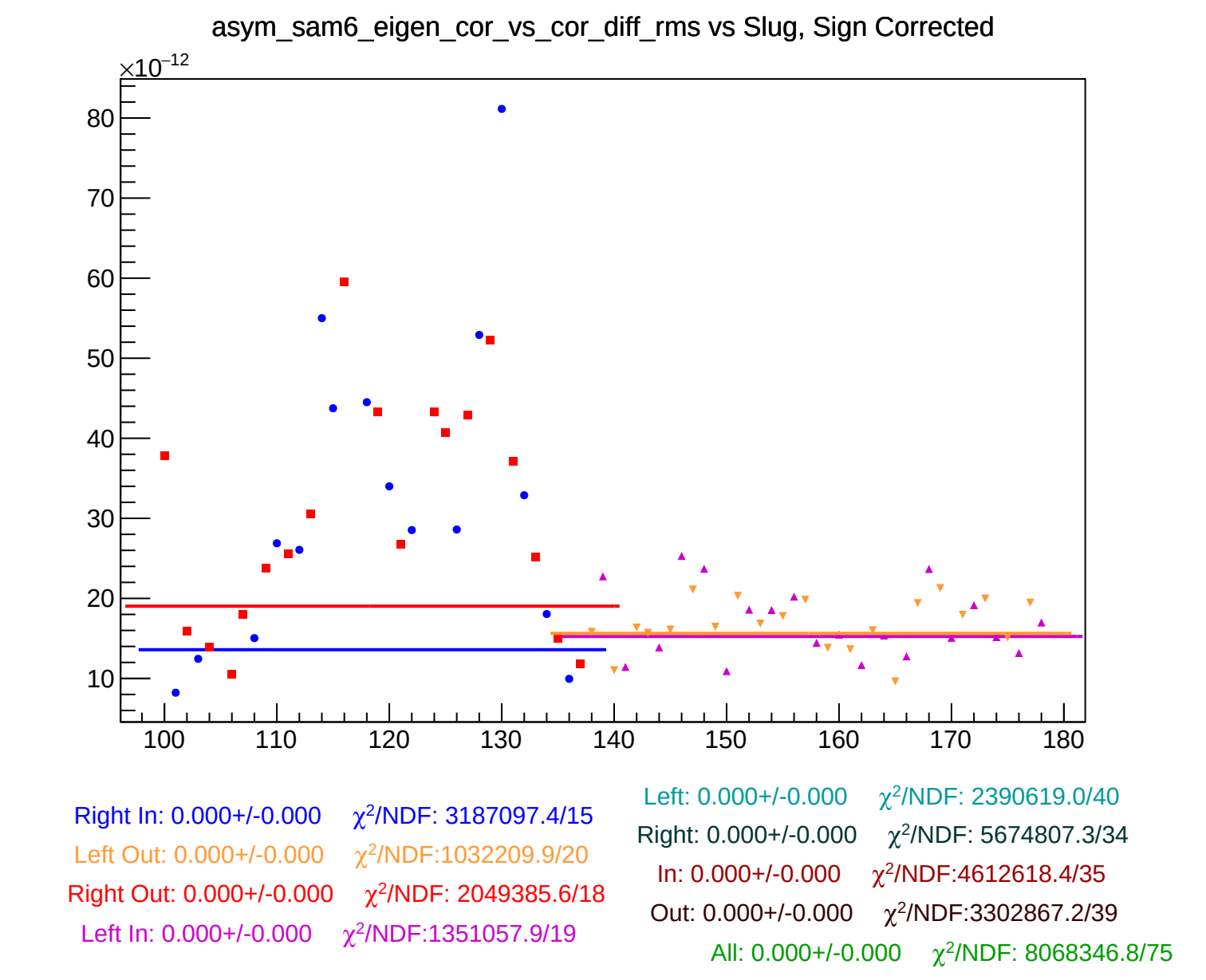
Left: 0.000+/-0.000 χ^2/NDF: 39.3/40

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

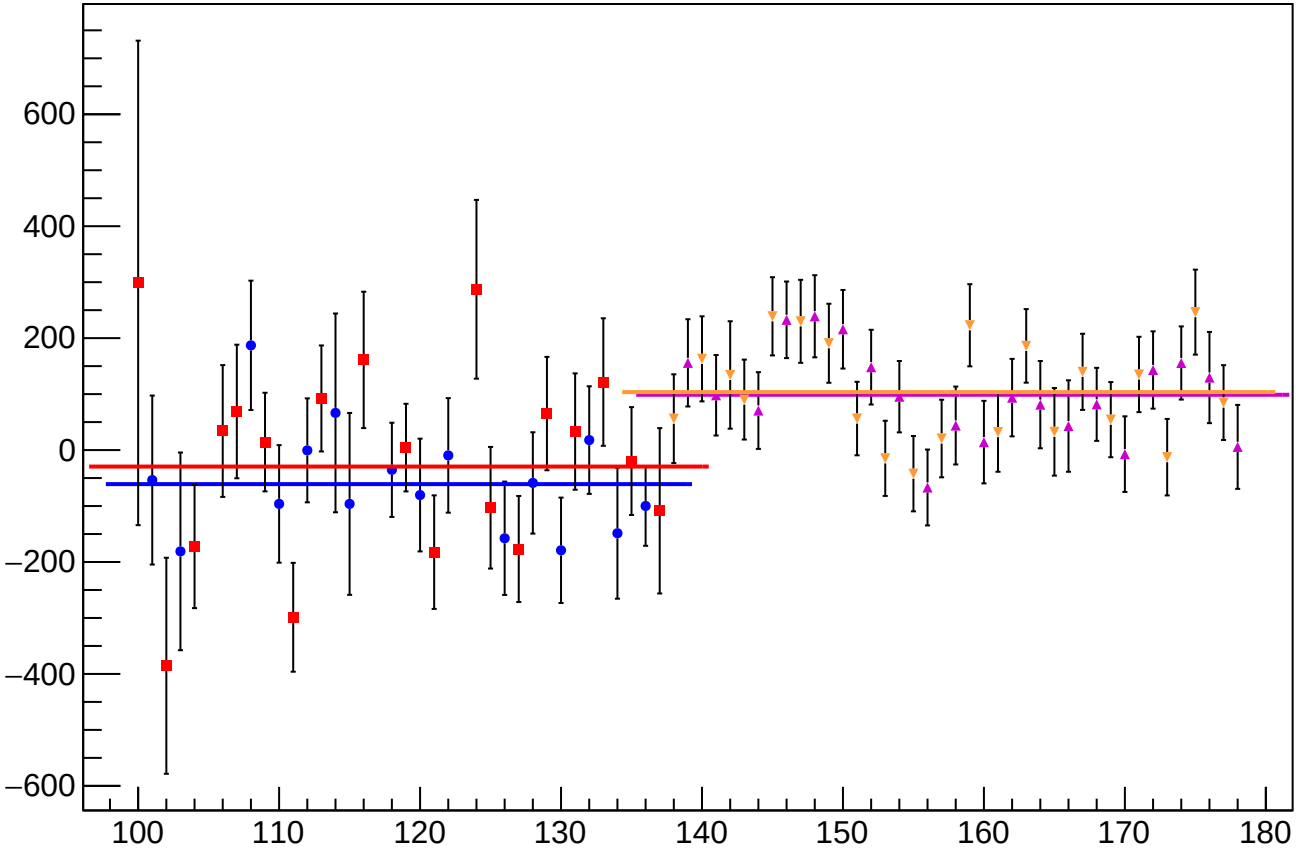
In: 0.000+/-0.000 χ^2/NDF:38.2/35

Out: 0.000+/-0.000 χ^2/NDF:33.9/39

All: 0.000+/-0.000 χ^2/NDF: 73.0/75


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:1351057.9/19
Left: 0.000+/-0.000 χ²/NDF: 2390619.0/40
Right: 0.000+/-0.000 χ²/NDF: 5674807.3/34
In: 0.000+/-0.000 χ²/NDF:4612618.4/35
Out: 0.000+/-0.000 χ²/NDF:3302867.2/39
All: 0.000+/-0.000 χ²/NDF: 8068346.8/75

reg_asym_sam7_mean vs Slug, Sign Corrected



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: 98.798+/-15.812 χ^2/NDF:25.3/19

Left: 101.249+/-11.073 χ^2/NDF: 58.1/40

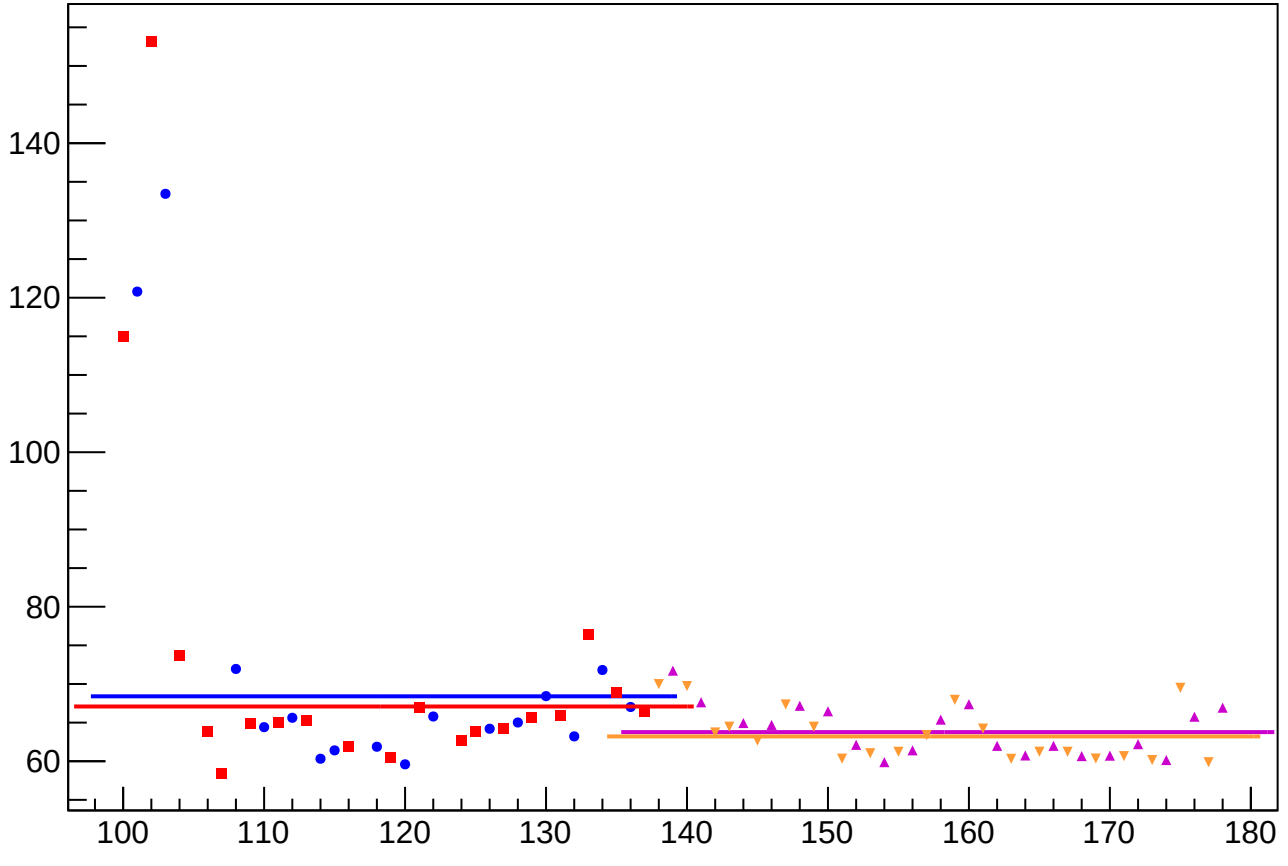
Right: -44.568+/-18.078 χ^2/NDF: 42.5/34

In: 55.824+/-13.517 χ^2/NDF:63.3/35

Out: 66.848+/-13.195 χ^2/NDF:84.2/39

All: 61.469+/-9.442 χ^2/NDF: 147.9/75

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: 63.771+/-0.011 χ^2/NDF:77482.5/19

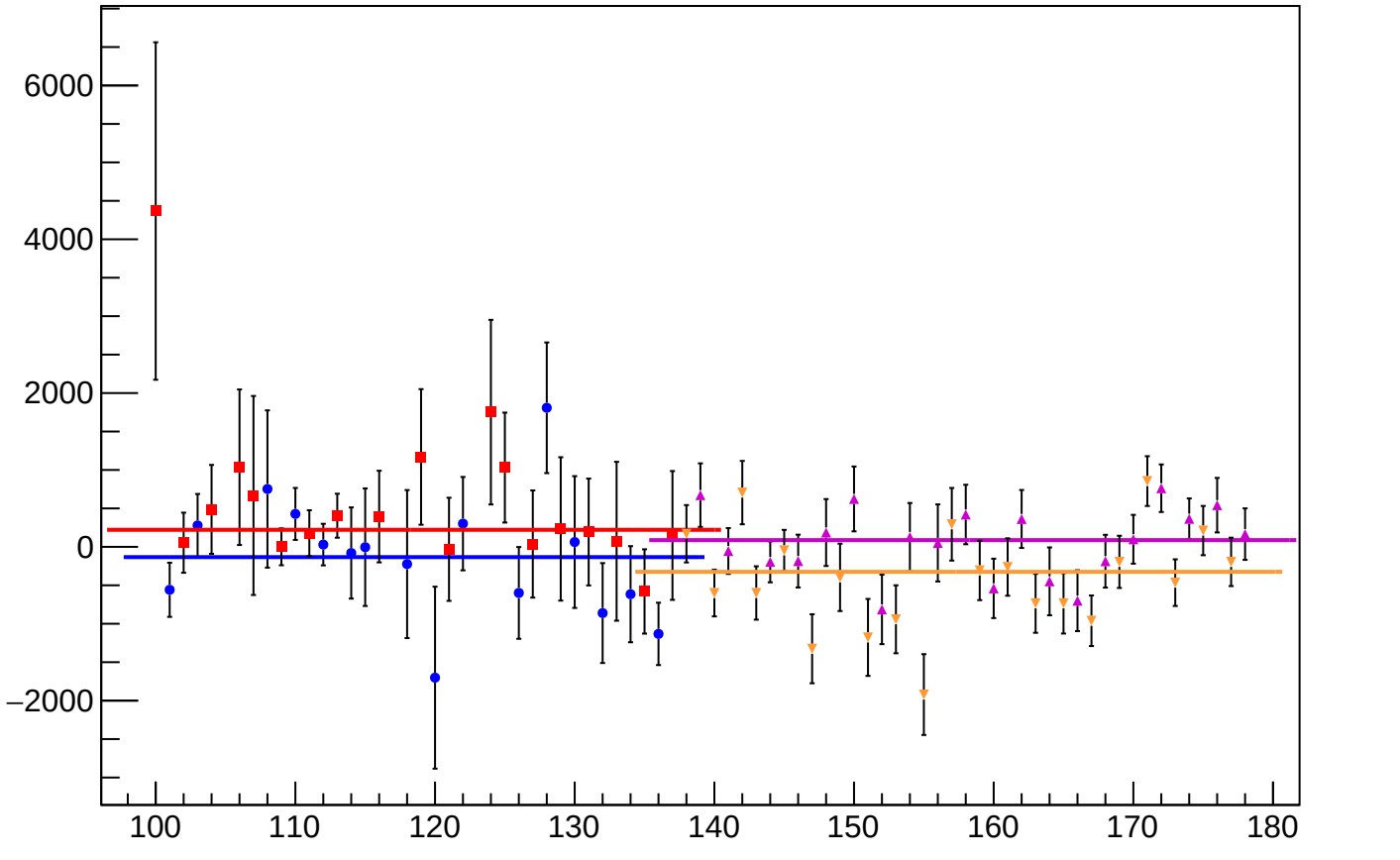
Left: 63.486+/-0.008 χ^2/NDF: 168291.2/40

Right: 67.720+/-0.013 χ^2/NDF: 1054024.8/34

In: 65.018+/-0.010 χ^2/NDF:693248.2/35

Out: 64.282+/-0.009 χ^2/NDF:605807.2/39

All: 64.641+/-0.007 χ^2/NDF: 1302086.4/75



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: 87.772+/-79.916 χ^2/NDF:27.2/19

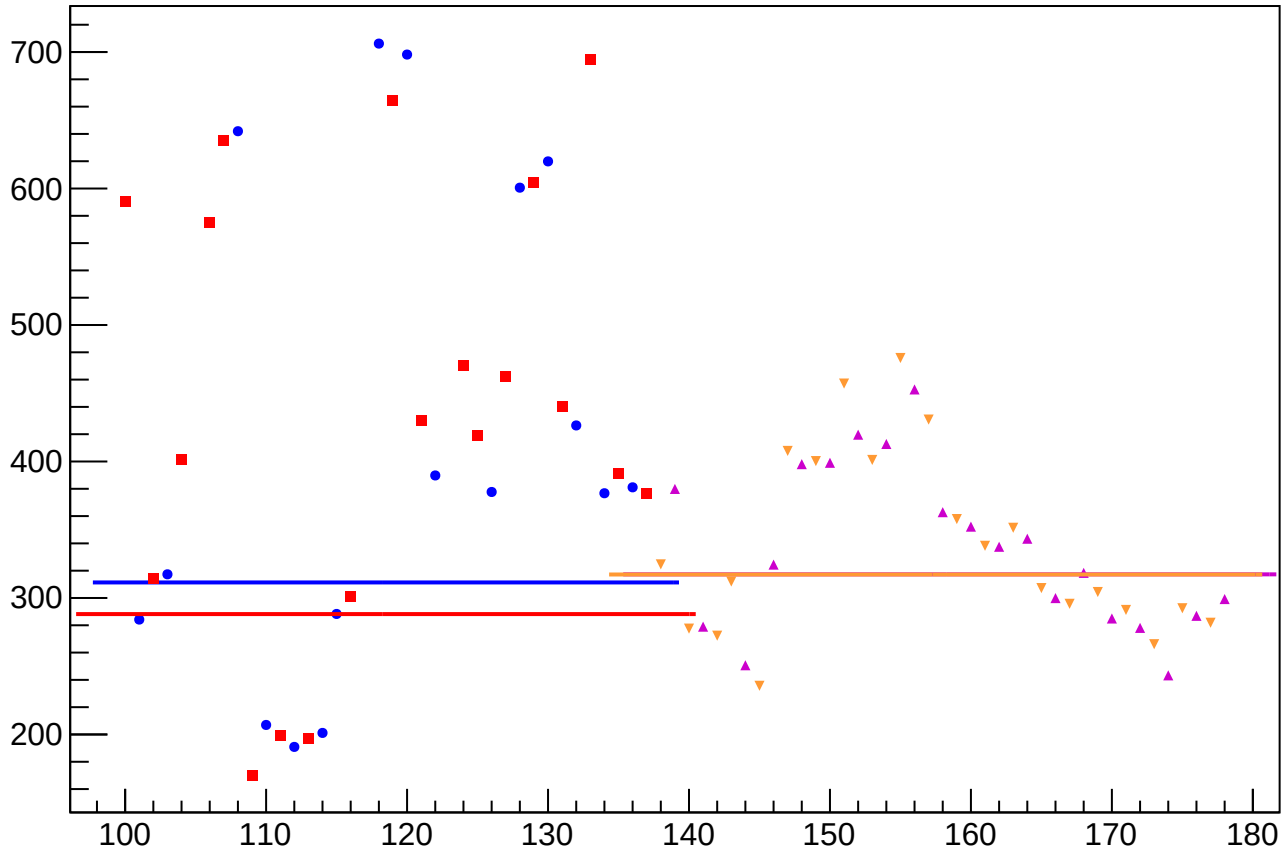
Left: -119.979+/-56.292 χ^2/NDF: 94.6/40

Right: 55.682+/-86.013 χ^2/NDF: 39.2/34

In: 24.199+/-67.472 χ^2/NDF:51.9/35

Out: -154.281+/-65.783 χ^2/NDF:81.3/39

All: -67.303+/-47.101 χ^2/NDF: 136.8/75



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: 317.315+/-0.057 χ^2/NDF:981686.7/19

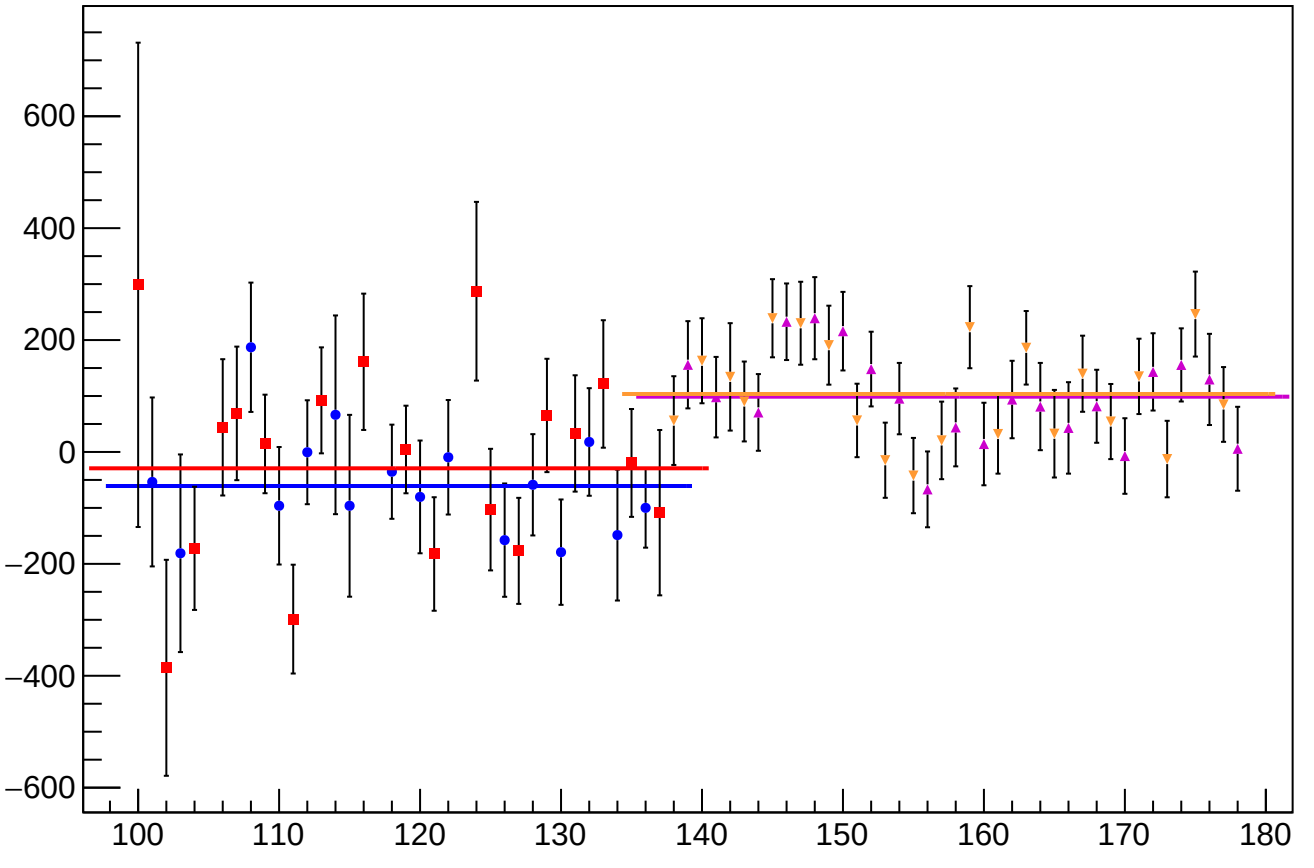
Left: 317.263+/-0.040 χ^2/NDF: 2071531.8/40

Right: 299.024+/-0.061 χ^2/NDF: 4875335.3/34

In: 315.612+/-0.048 χ^2/NDF:3108645.6/35

Out: 308.163+/-0.047 χ^2/NDF:3888687.6/39

All: 311.793+/-0.033 χ^2/NDF: 7009830.2/75



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: 98.795+/-15.812 χ^2/NDF:25.3/19

Left: 101.248+/-11.073 χ^2/NDF: 58.1/40

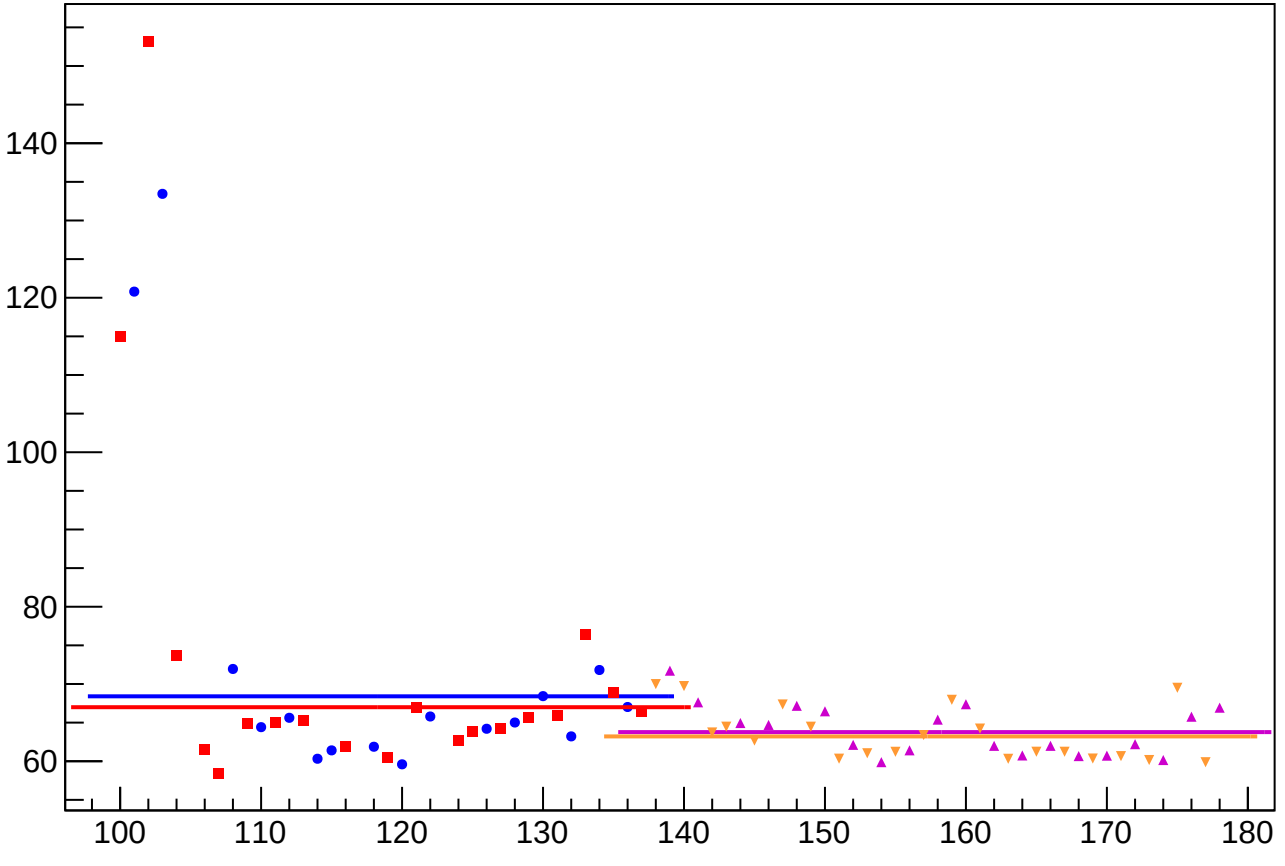
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 55.822+/-13.517 χ^2/NDF:63.3/35

Out: 66.992+/-13.201 χ^2/NDF:84.2/39

All: 61.539+/-9.444 χ^2/NDF: 147.9/75

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: 63.771+/-0.011 χ^2/NDF:77482.5/19

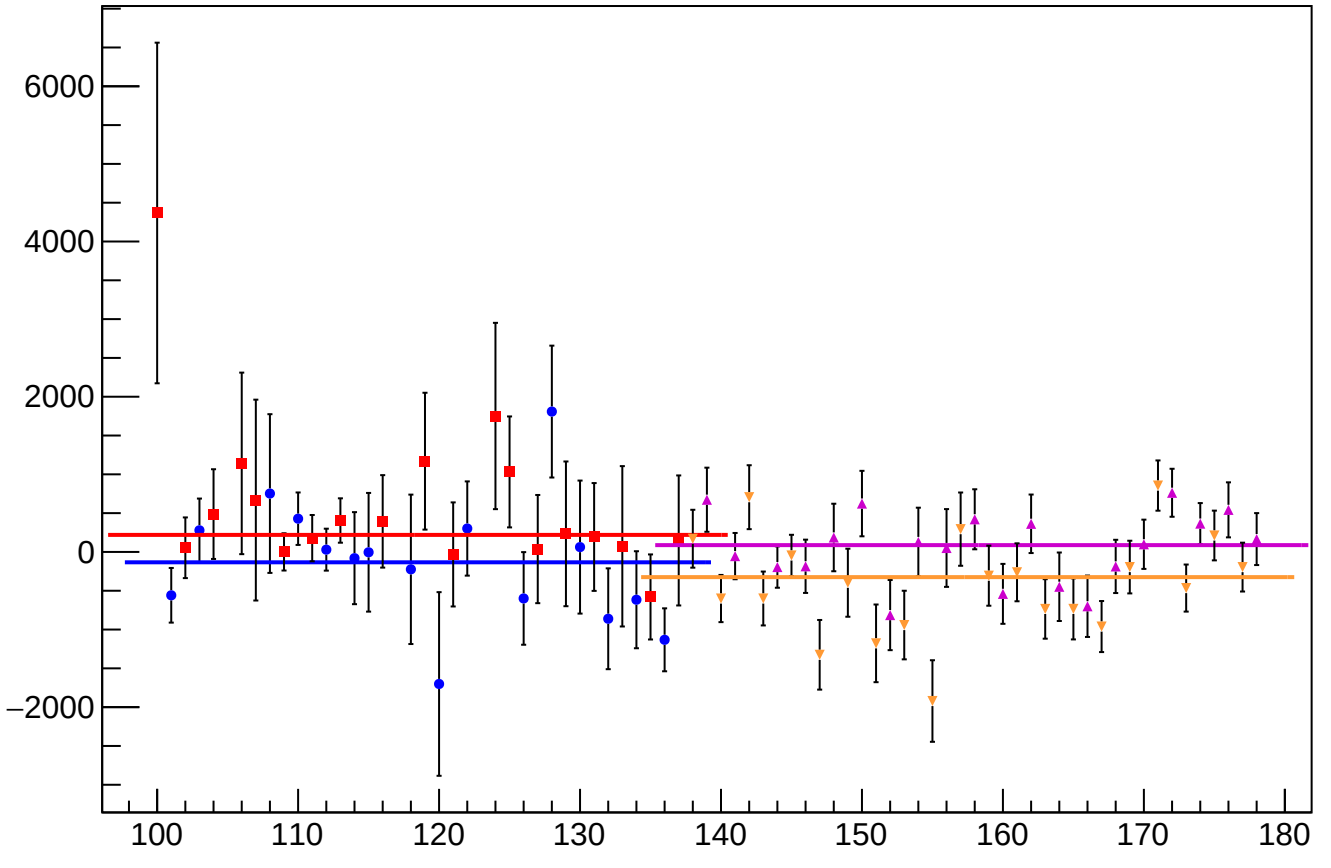
Left: 63.486+/-0.008 χ^2/NDF: 168291.2/40

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 65.018+/-0.010 χ^2/NDF:693248.5/35

Out: 64.255+/-0.009 χ^2/NDF:606806.7/39

All: 64.627+/-0.007 χ^2/NDF: 1303315.3/75



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: 87.765+/-79.916 χ^2/NDF:27.2/19

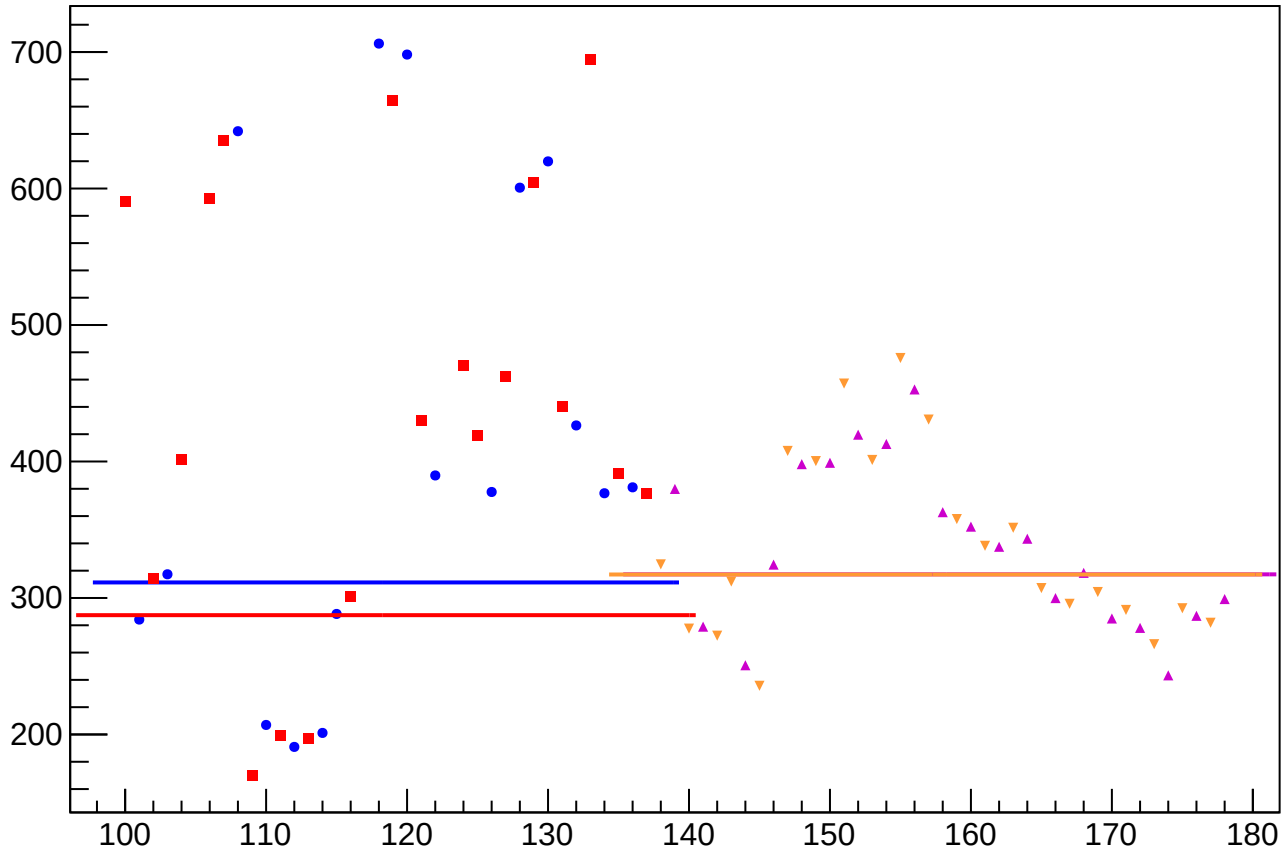
Left: -119.982+/-56.292 χ^2/NDF: 94.6/40

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: 24.196+/-67.472 χ^2/NDF:51.9/35

Out: -155.224+/-65.819 χ^2/NDF:81.2/39

All: -67.739+/-47.114 χ^2/NDF: 136.6/75



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: 317.315+/-0.057 χ^2/NDF:981690.7/19

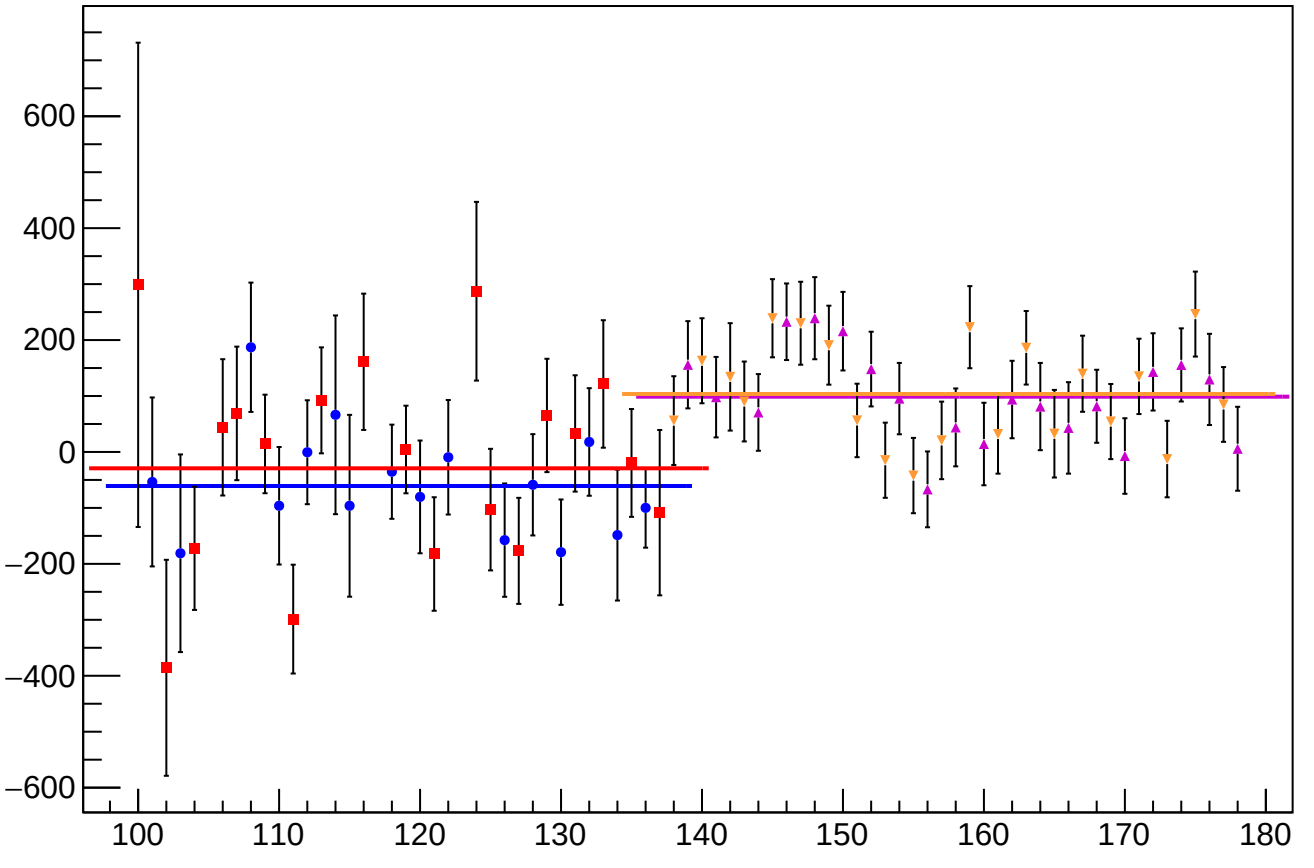
Left: 317.263+/-0.040 χ^2/NDF: 2071540.6/40

Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 315.613+/-0.048 χ^2/NDF:3108649.0/35

Out: 307.939+/-0.047 χ^2/NDF:3867974.4/39

All: 311.681+/-0.033 χ^2/NDF: 6989880.7/75



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: 98.795+/-15.812 χ^2/NDF:25.3/19

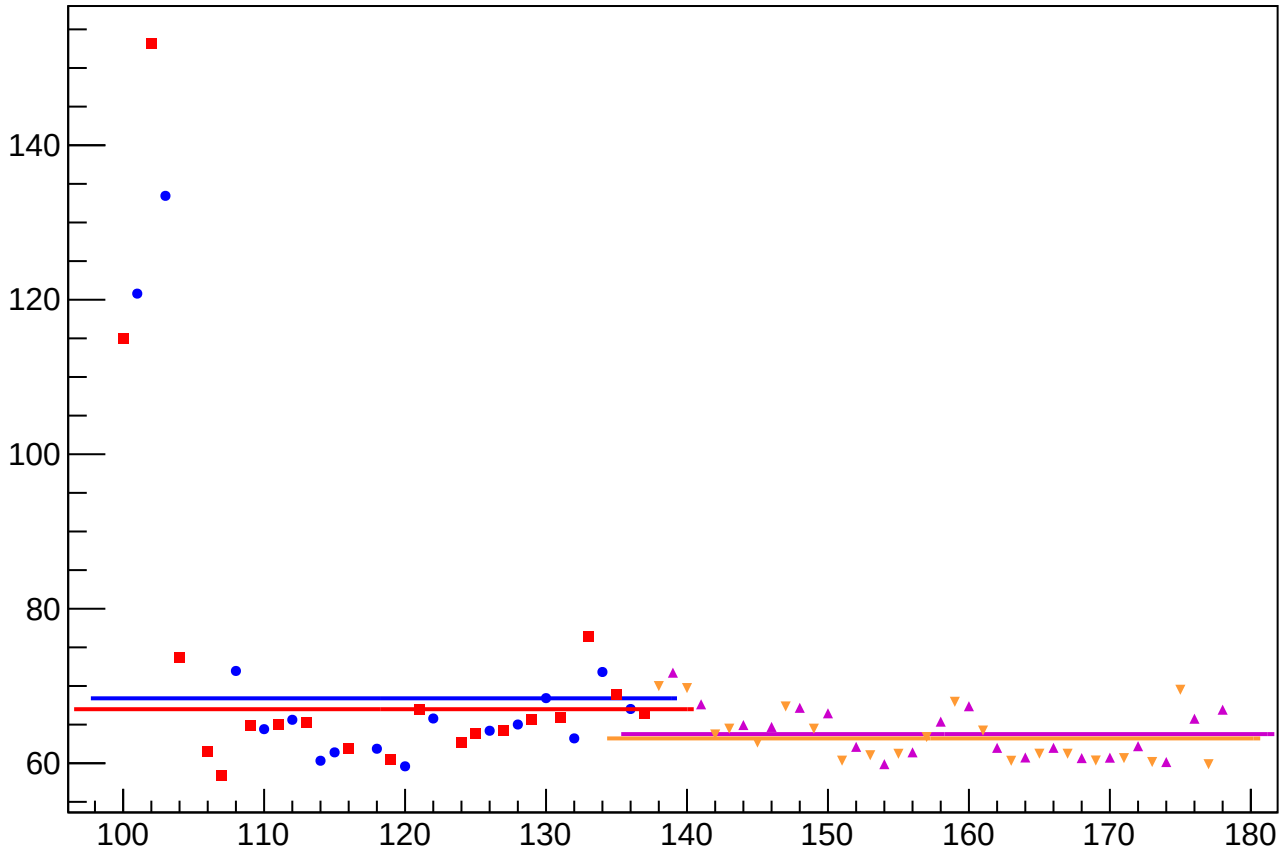
Left: 101.248+/-11.073 χ^2/NDF: 58.1/40

Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 55.822+/-13.517 χ^2/NDF:63.3/35

Out: 66.992+/-13.201 χ^2/NDF:84.2/39

All: 61.539+/-9.444 χ^2/NDF: 147.9/75



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: 63.771+/-0.011 χ^2/NDF:77482.5/19

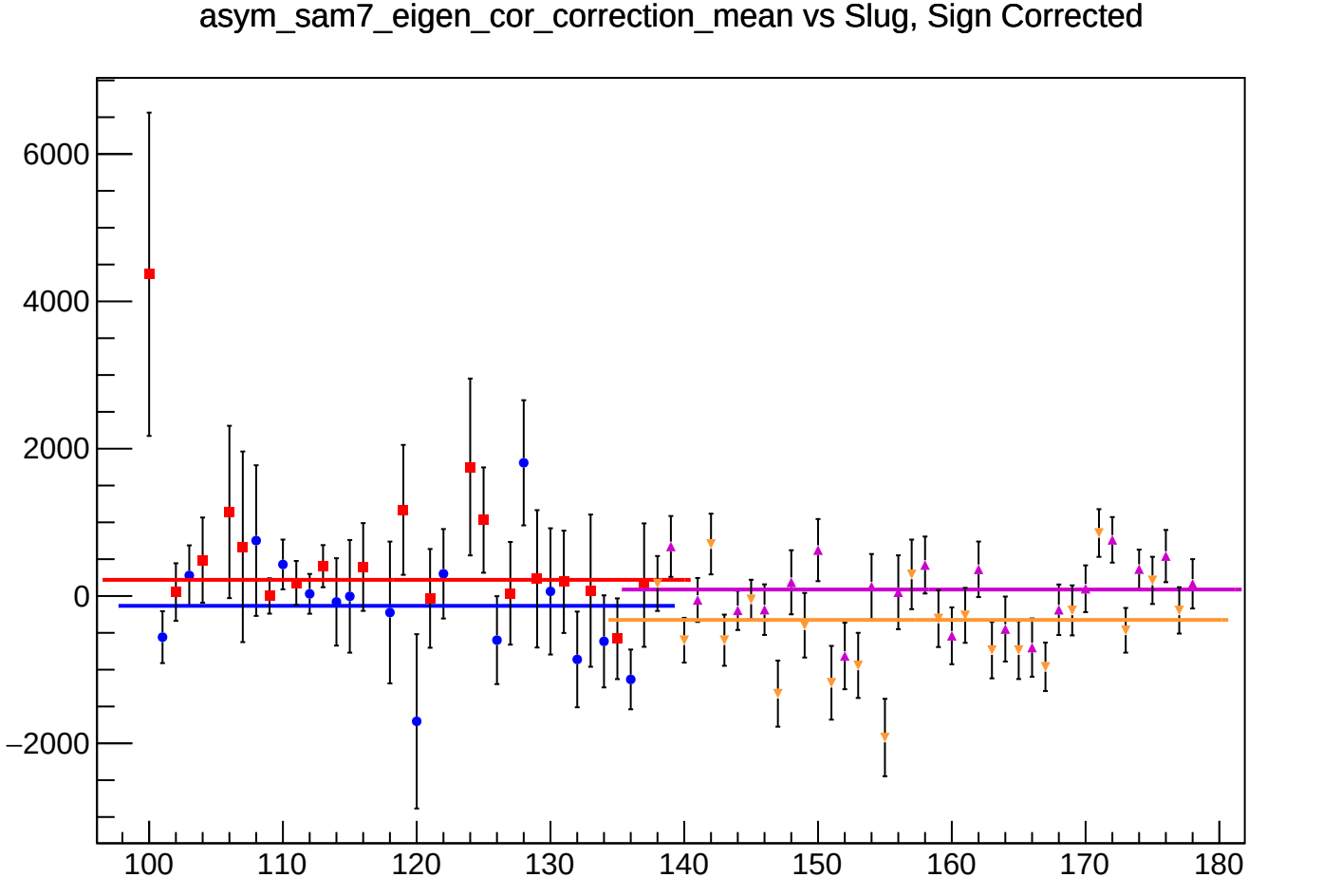
Left: 63.486+/-0.008 χ^2/NDF: 168291.2/40

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 65.018+/-0.010 χ^2/NDF:693248.5/35

Out: 64.255+/-0.009 χ^2/NDF:606806.7/39

All: 64.627+/-0.007 χ^2/NDF: 1303315.3/75



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: 87.765+/-79.916 χ^2/NDF:27.2/19

Left: -119.982+/-56.292 χ^2/NDF: 94.6/40

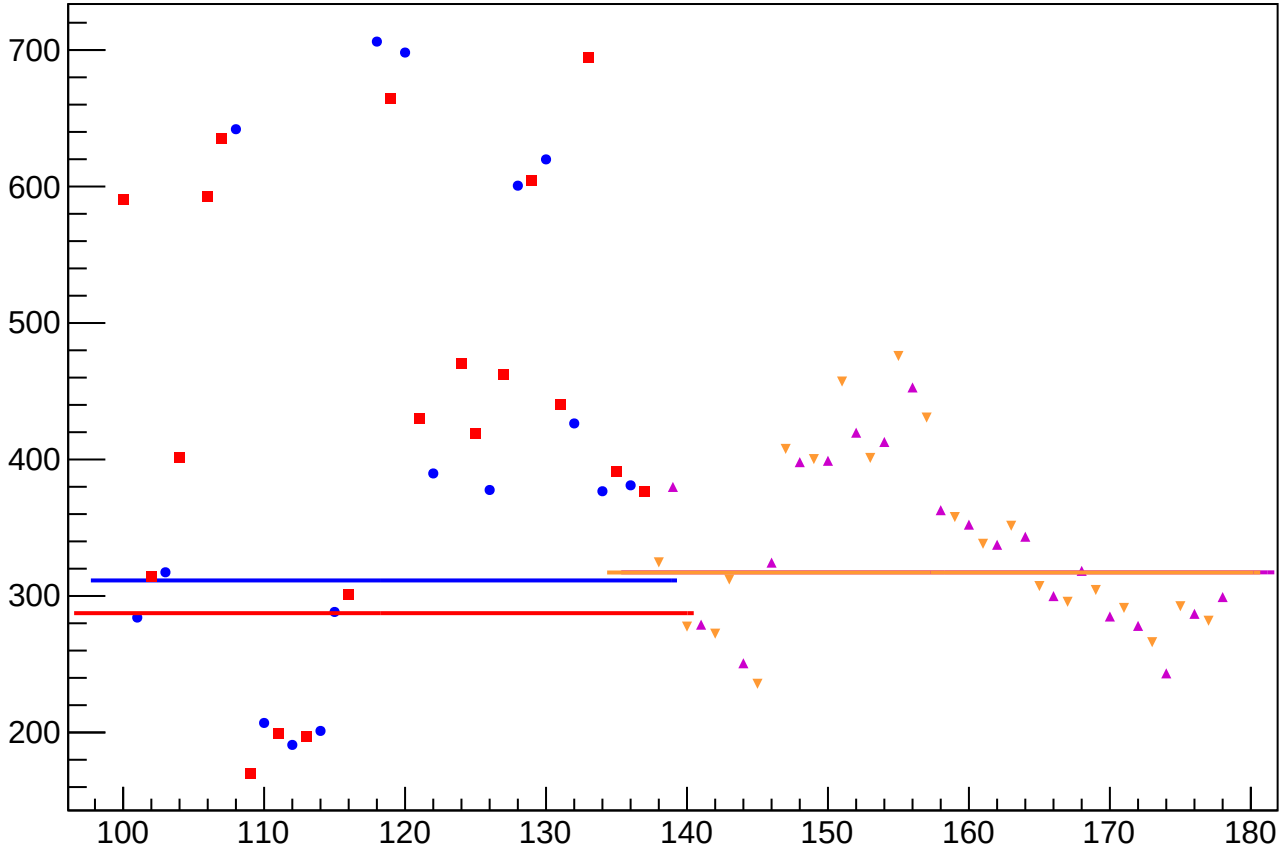
Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: 24.196+/-67.472 χ^2/NDF:51.9/35

Out: -155.224+/-65.819 χ^2/NDF:81.2/39

All: -67.739+/-47.114 χ^2/NDF: 136.6/75

asym_sam7_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 317.315+/-0.057 χ^2/NDF:981690.7/19

Left: 317.263+/-0.040 χ^2/NDF: 2071540.6/40

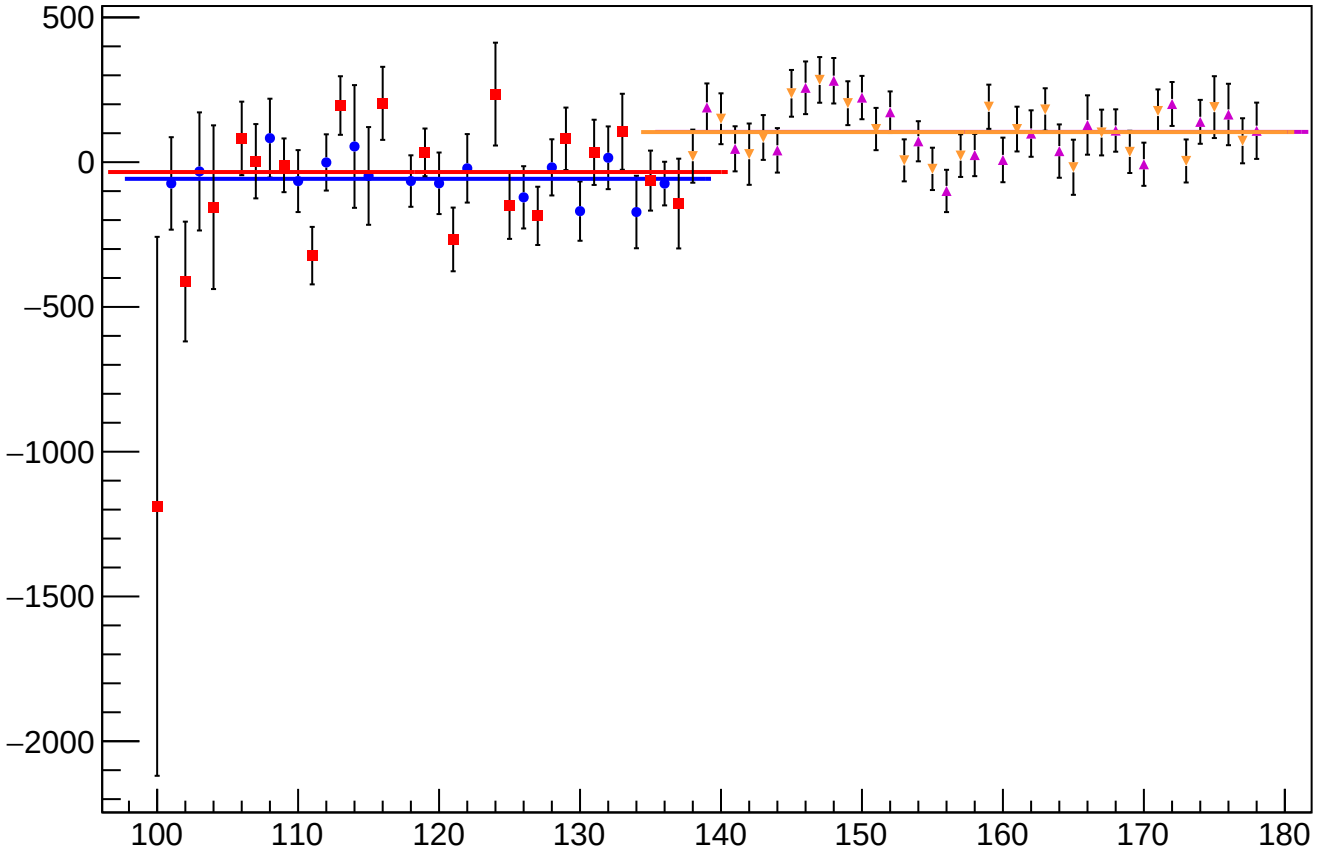
Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 315.613+/-0.048 χ^2/NDF:3108649.0/35

Out: 307.939+/-0.047 χ^2/NDF:3867974.4/39

All: 311.681+/-0.033 χ^2/NDF: 6989880.7/75

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: 104.551+/-17.776 χ^2/NDF:29.3/19

Left: 104.234+/-12.400 χ^2/NDF: 55.3/40

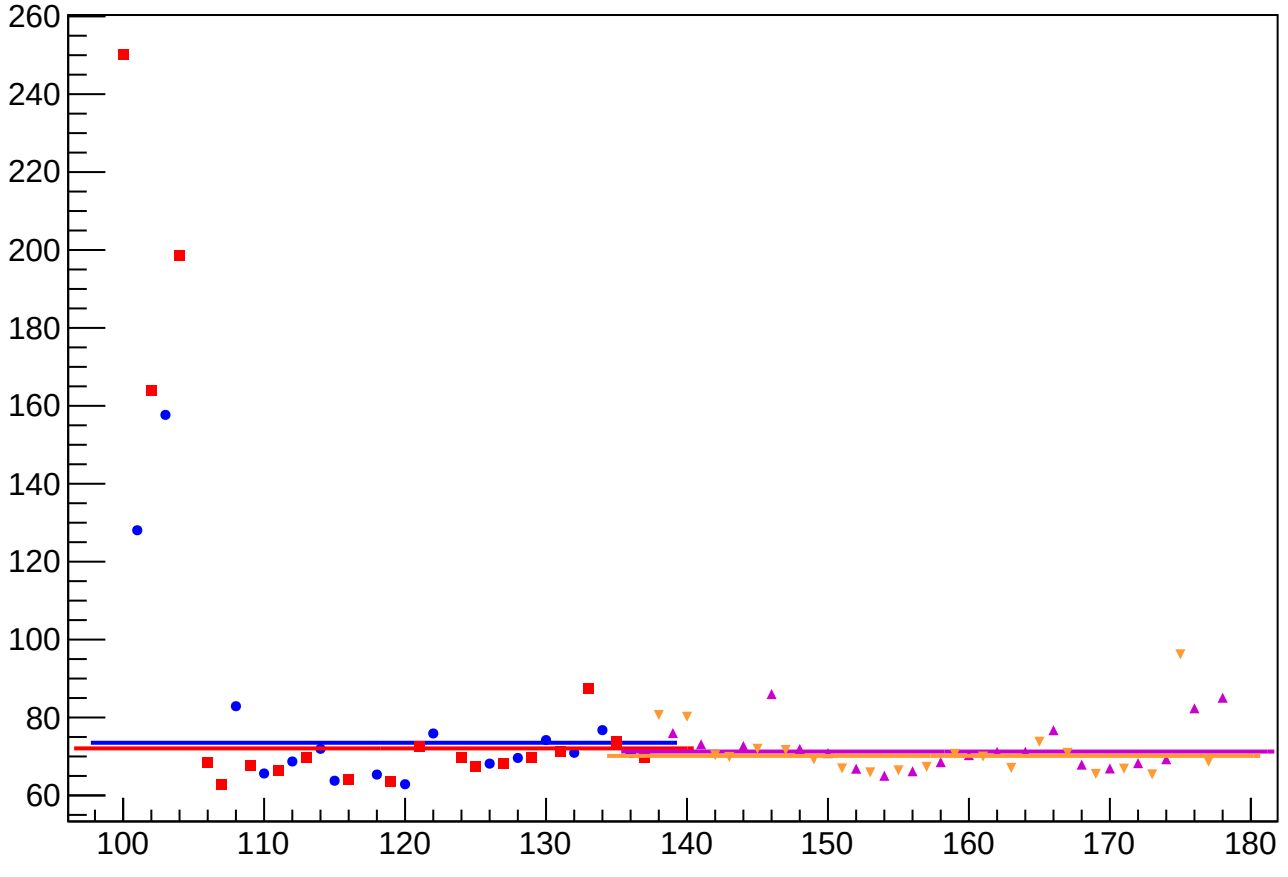
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 58.194+/-15.021 χ^2/NDF:58.0/35

Out: 64.588+/-14.631 χ^2/NDF:81.2/39

All: 61.475+/-10.481 χ^2/NDF: 139.3/75

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: 71.262+/-0.013 χ^2/NDF:180958.4/19

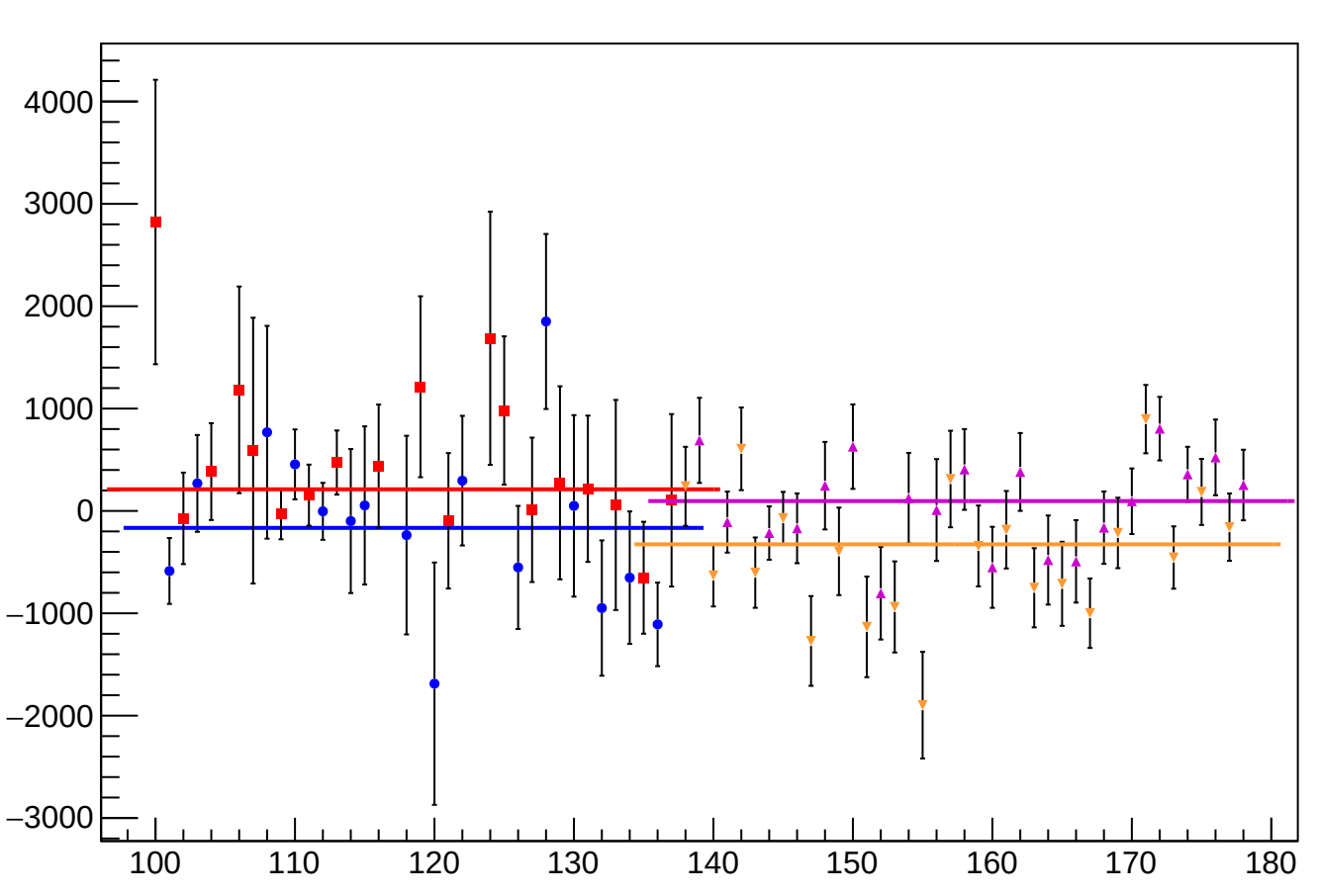
Left: 70.687+/-0.009 χ^2/NDF: 404759.5/40

Right: 72.779+/-0.014 χ^2/NDF: 1618055.3/34

In: 71.908+/-0.011 χ^2/NDF:847026.5/35

Out: 70.693+/-0.010 χ^2/NDF:1185327.9/39

All: 71.284+/-0.007 χ^2/NDF: 2039064.9/75



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: 96.464+/-80.429 χ^2/NDF:26.3/19

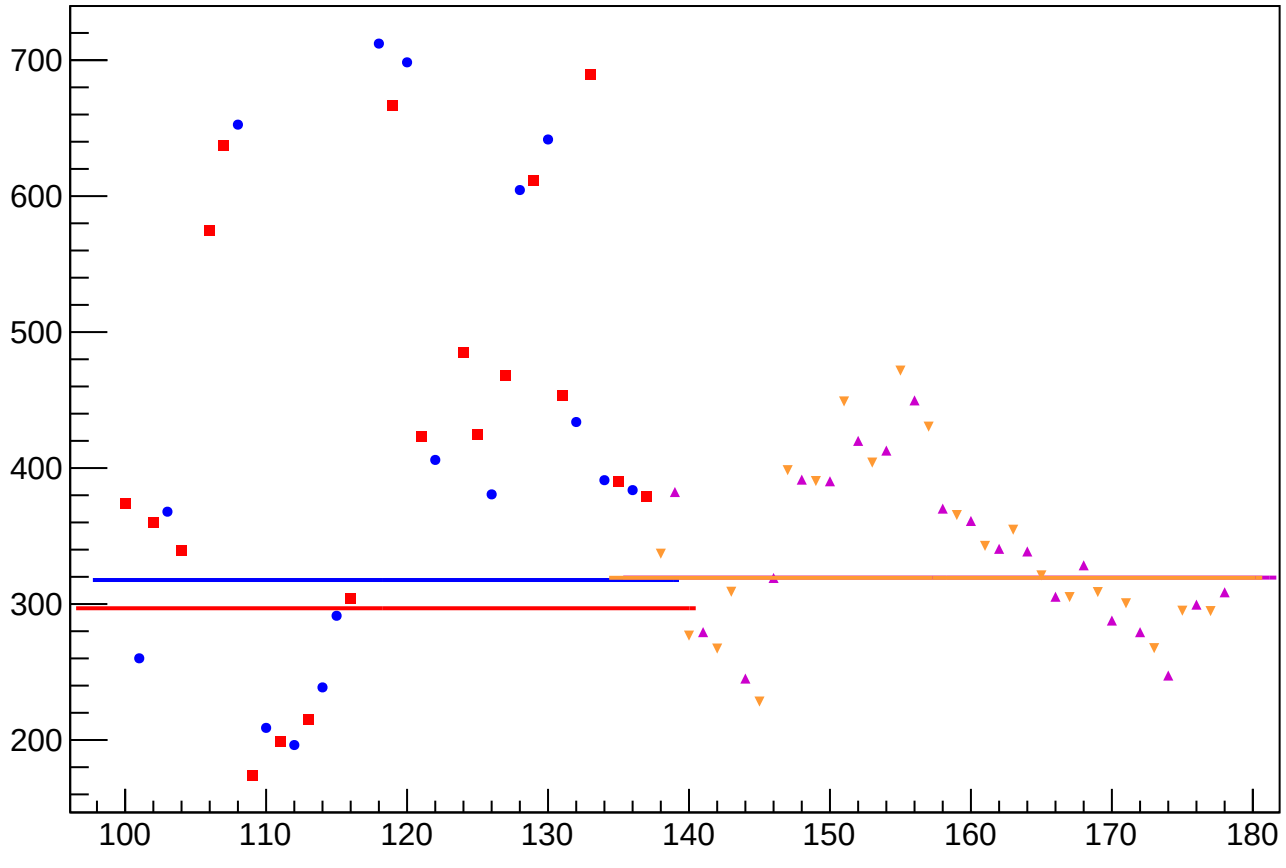
Left: -116.594+/-56.629 χ^2/NDF: 93.2/40

Right: 35.518+/-87.732 χ^2/NDF: 40.8/34

In: 22.674+/-68.166 χ^2/NDF:51.9/35

Out: -161.656+/-66.439 χ^2/NDF:80.5/39

All: -71.857+/-47.578 χ^2/NDF: 136.1/75



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: 319.431+/-0.057 χ^2/NDF:958962.9/19

Left: 319.361+/-0.040 χ^2/NDF: 2048059.3/40

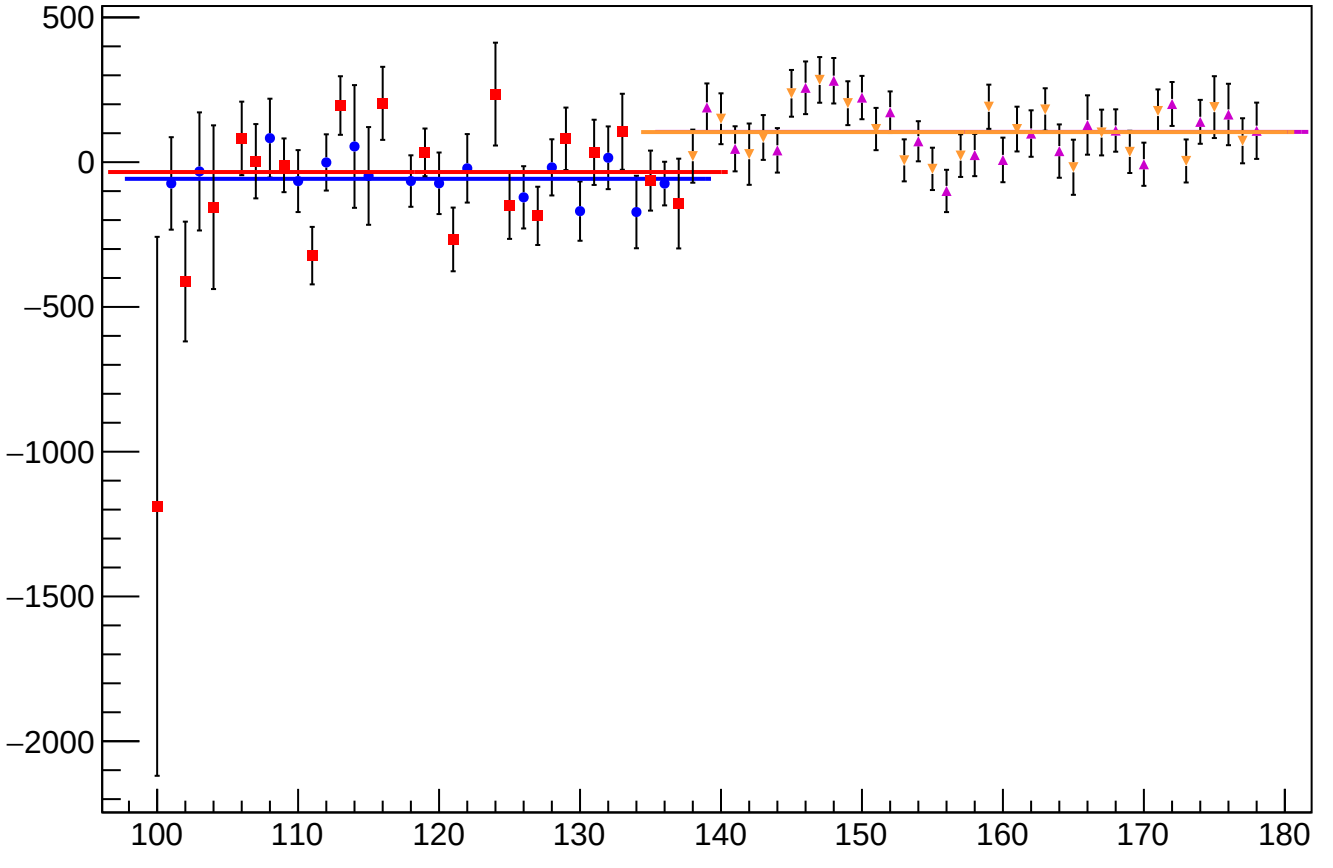
Right: 306.582+/-0.062 χ^2/NDF: 4705147.7/34

In: 318.933+/-0.048 χ^2/NDF:3095427.5/35

Out: 312.438+/-0.047 χ^2/NDF:3678423.8/39

All: 315.602+/-0.034 χ^2/NDF: 6783161.4/75

eigen_dit_asym_sam7_mean vs Slug, Sign Corrected



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: 104.551+/-17.776 χ^2/NDF:29.3/19

Left: 104.234+/-12.400 χ^2/NDF: 55.3/40

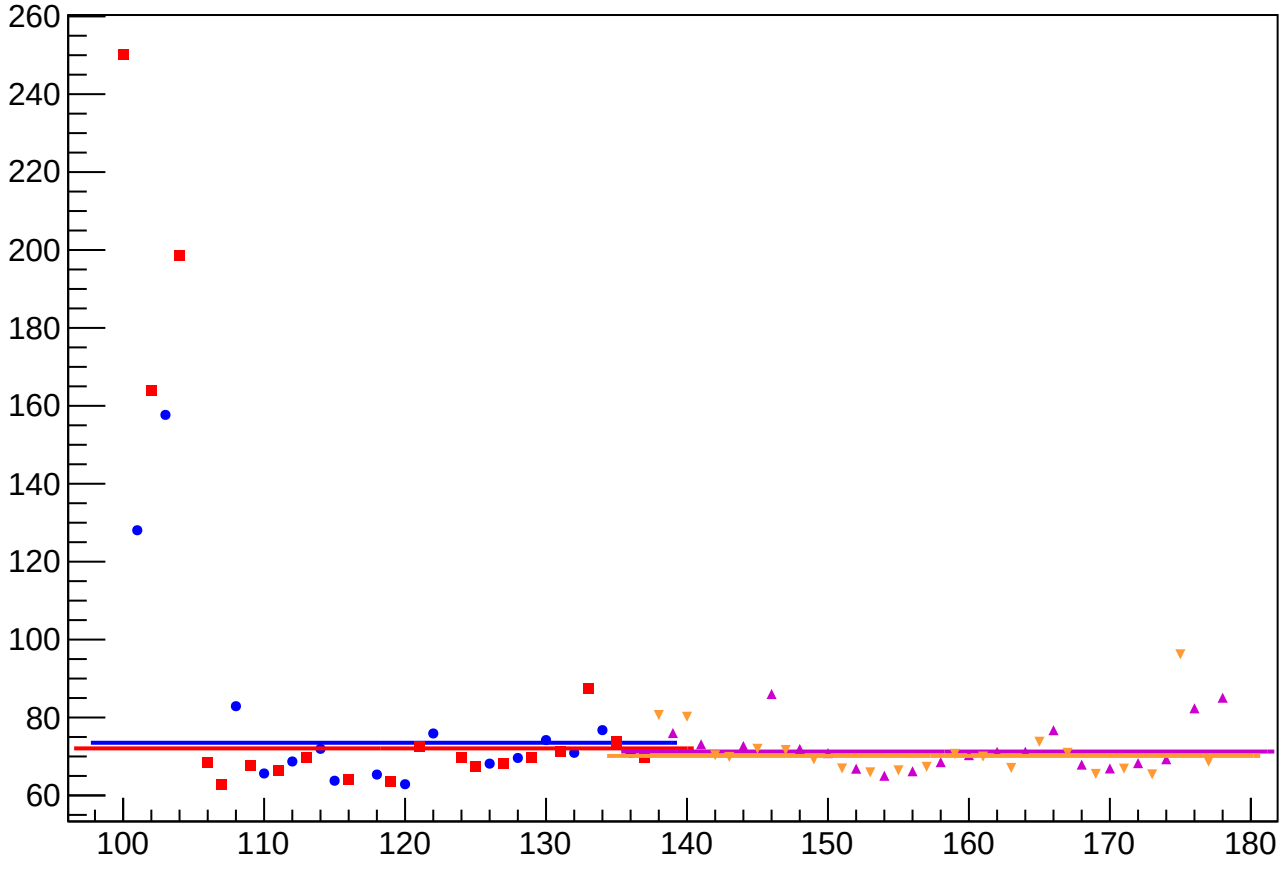
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 58.194+/-15.021 χ^2/NDF:58.0/35

Out: 64.588+/-14.631 χ^2/NDF:81.2/39

All: 61.475+/-10.481 χ^2/NDF: 139.3/75

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: 71.262+/-0.013 χ^2/NDF:180957.7/19

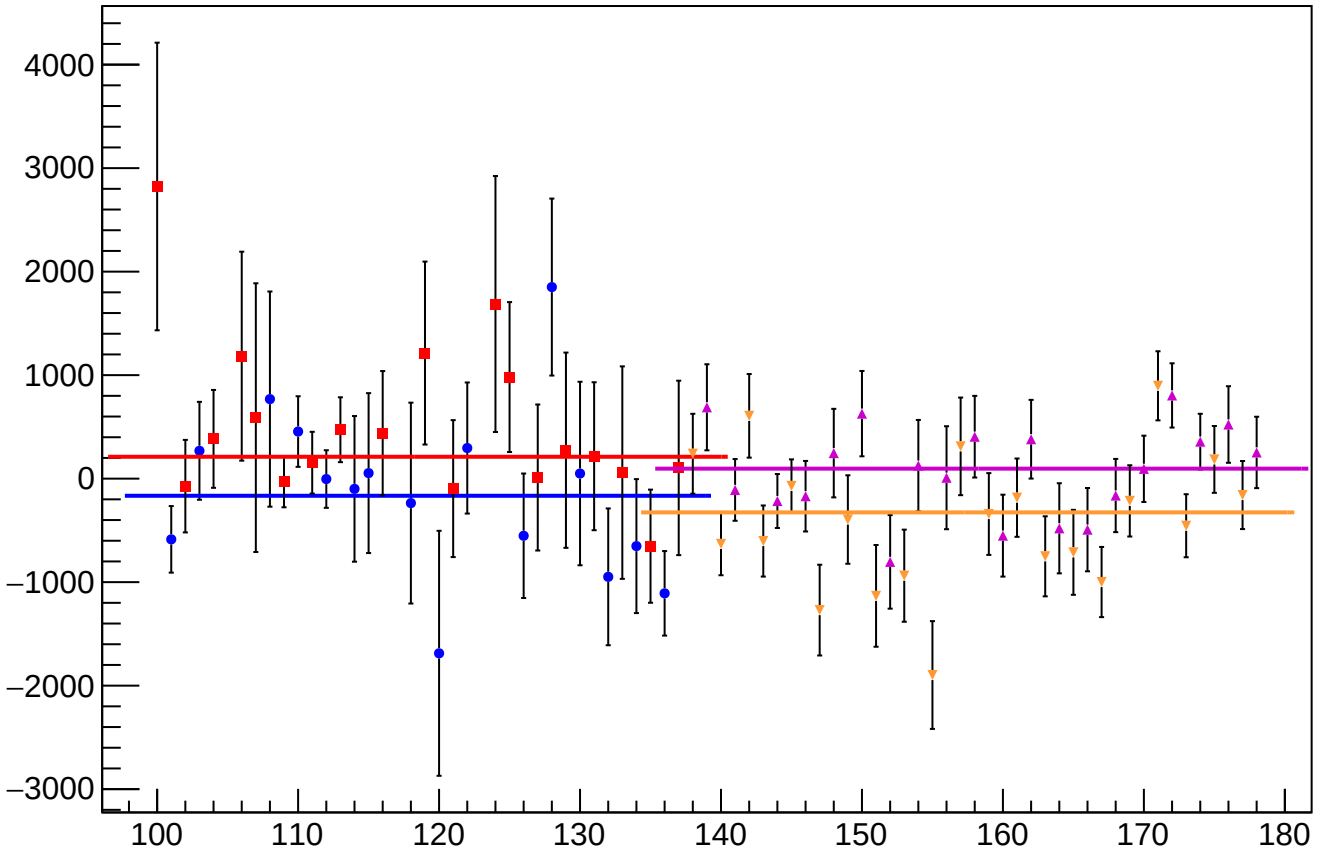
Left: 70.687+/-0.009 χ^2/NDF: 404758.0/40

Right: 72.778+/-0.014 χ^2/NDF: 1618058.1/34

In: 71.908+/-0.011 χ^2/NDF:847026.2/35

Out: 70.693+/-0.010 χ^2/NDF:1185327.5/39

All: 71.284+/-0.007 χ^2/NDF: 2039064.1/75



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: 96.463+/-80.429 χ^2/NDF:26.3/19

Left: -116.594+/-56.629 χ^2/NDF: 93.2/40

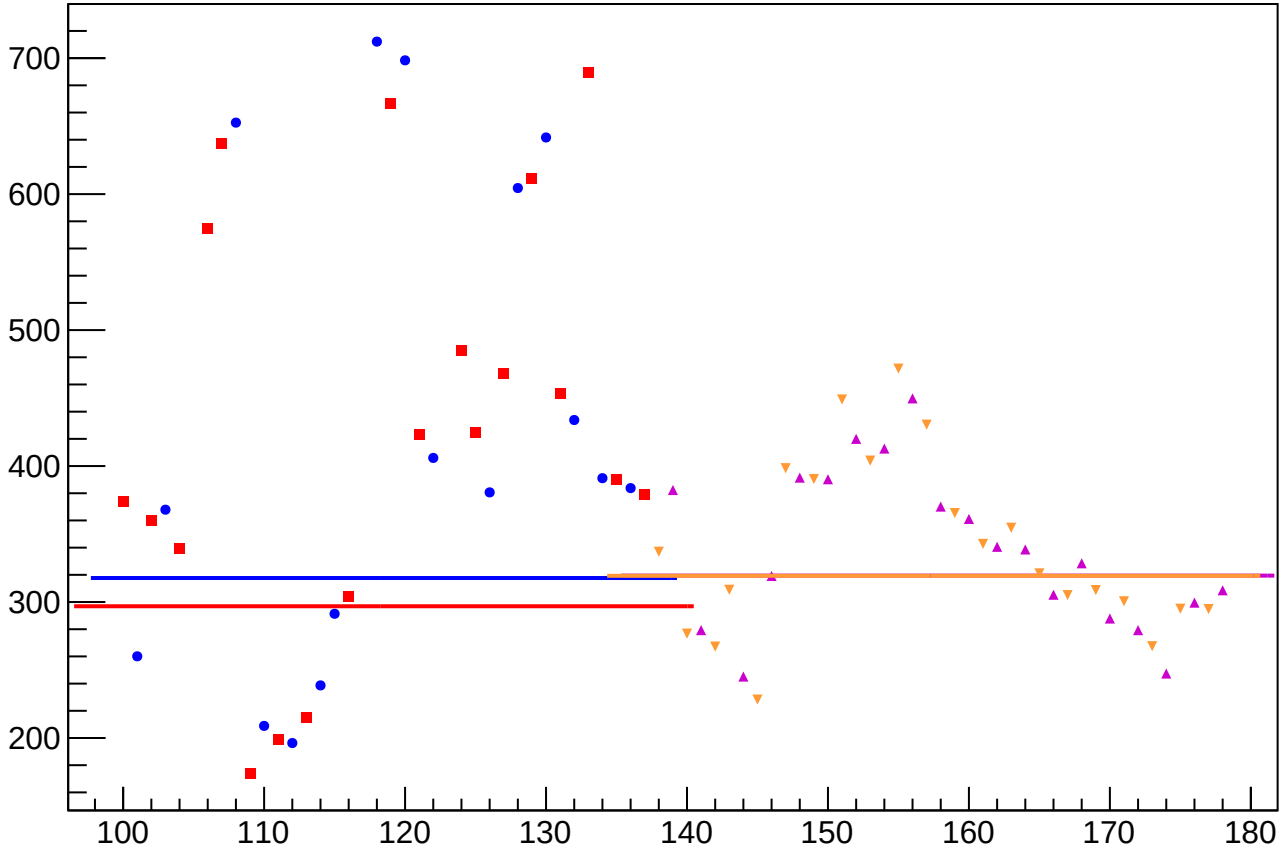
Right: 35.517+/-87.731 χ^2/NDF: 40.8/34

In: 22.673+/-68.166 χ^2/NDF:51.9/35

Out: -161.656+/-66.439 χ^2/NDF:80.5/39

All: -71.857+/-47.578 χ^2/NDF: 136.1/75

asym_sam7_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 319.431+/-0.057 χ^2/NDF:958960.7/19

Left: 319.361+/-0.040 χ^2/NDF: 2048061.9/40

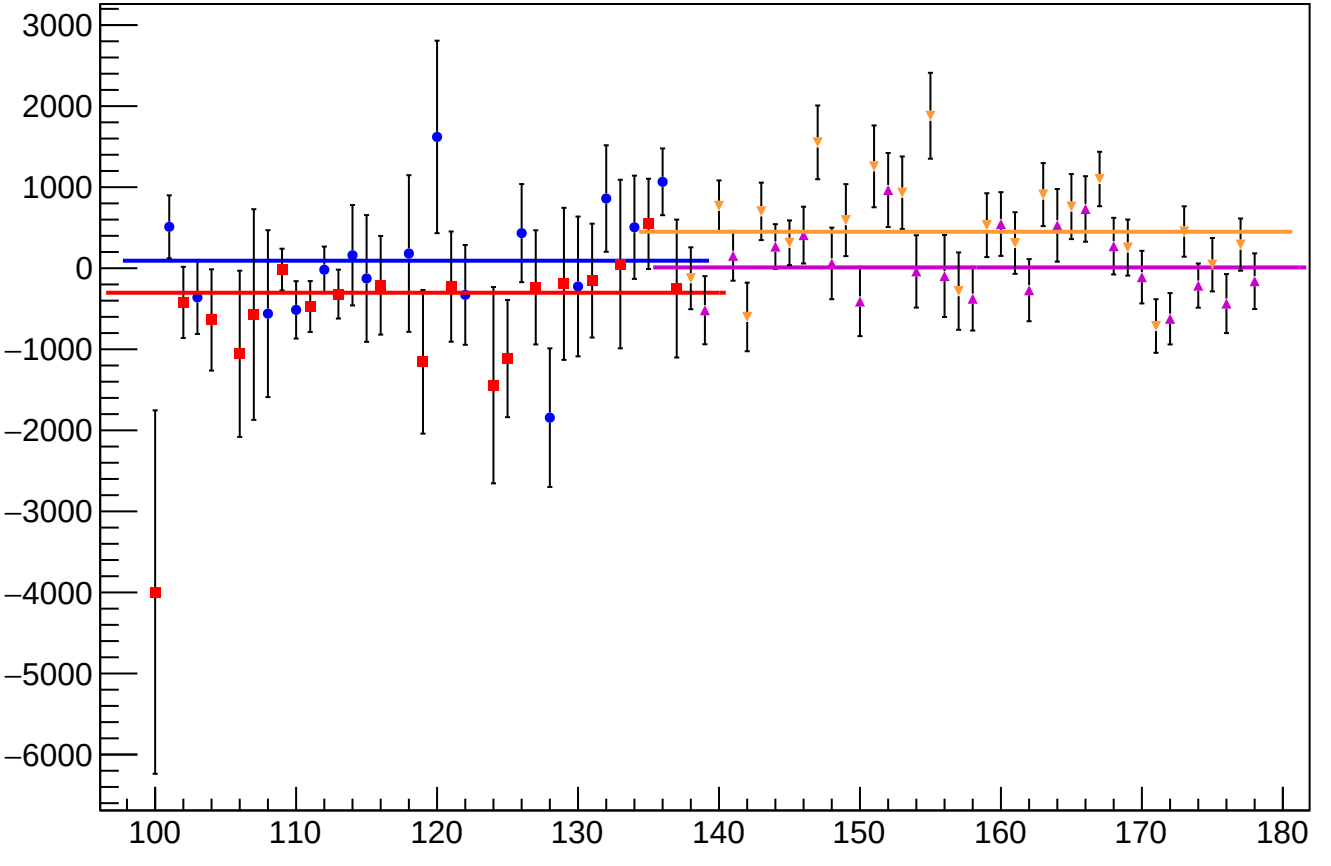
Right: 306.580+/-0.062 χ^2/NDF: 4705187.9/34

In: 318.932+/-0.048 χ^2/NDF:3095457.7/35

Out: 312.438+/-0.047 χ^2/NDF:3678446.2/39

All: 315.602+/-0.034 χ^2/NDF: 6783214.0/75

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: 9.909+/-81.684 χ^2/NDF:24.4/19

Left: 231.565+/-57.534 χ^2/NDF: 88.9/40

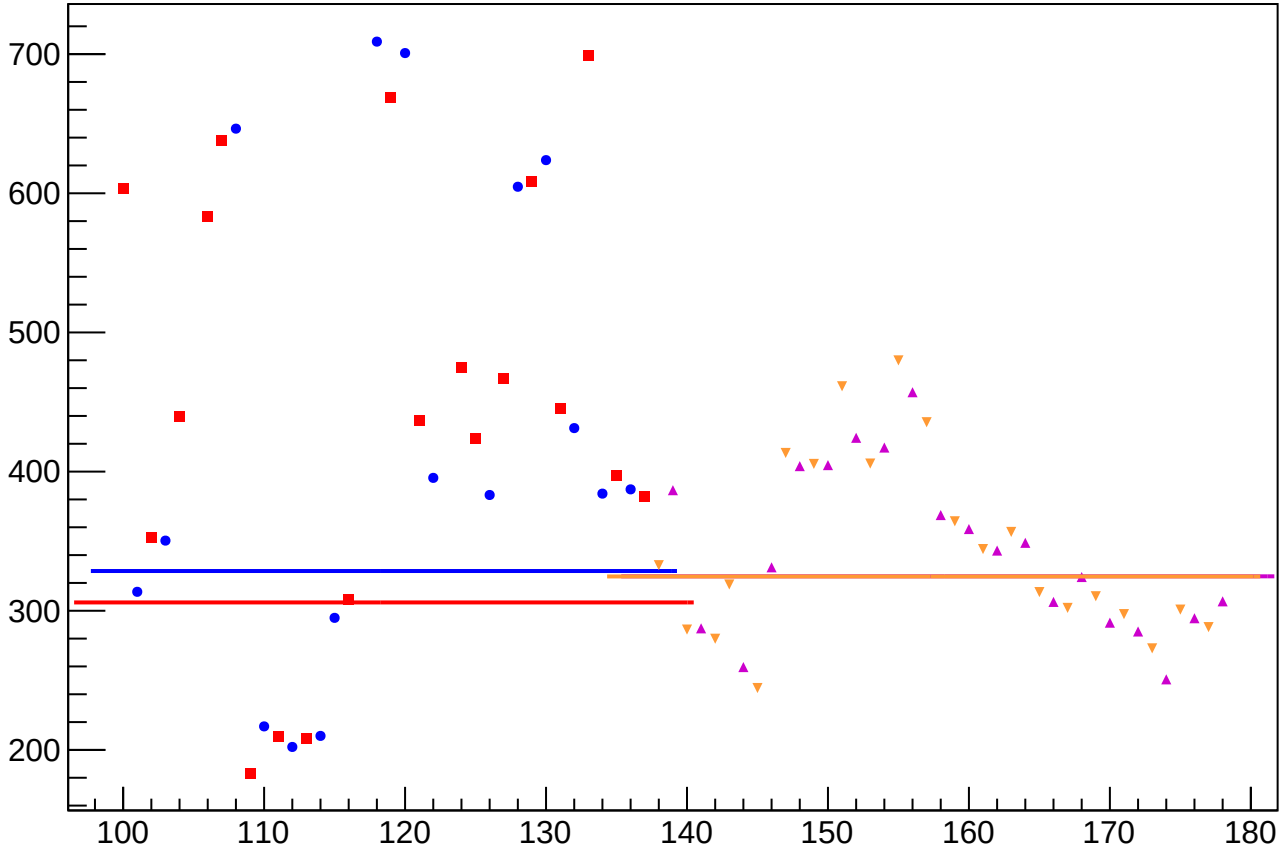
Right: -117.093+/-90.322 χ^2/NDF: 36.4/34

In: 32.881+/-69.450 χ^2/NDF:45.5/35

Out: 224.456+/-67.829 χ^2/NDF:86.5/39

All: 130.929+/-48.525 χ^2/NDF: 135.9/75

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: 324.750+/-0.058 χ^2/NDF:911117.9/19

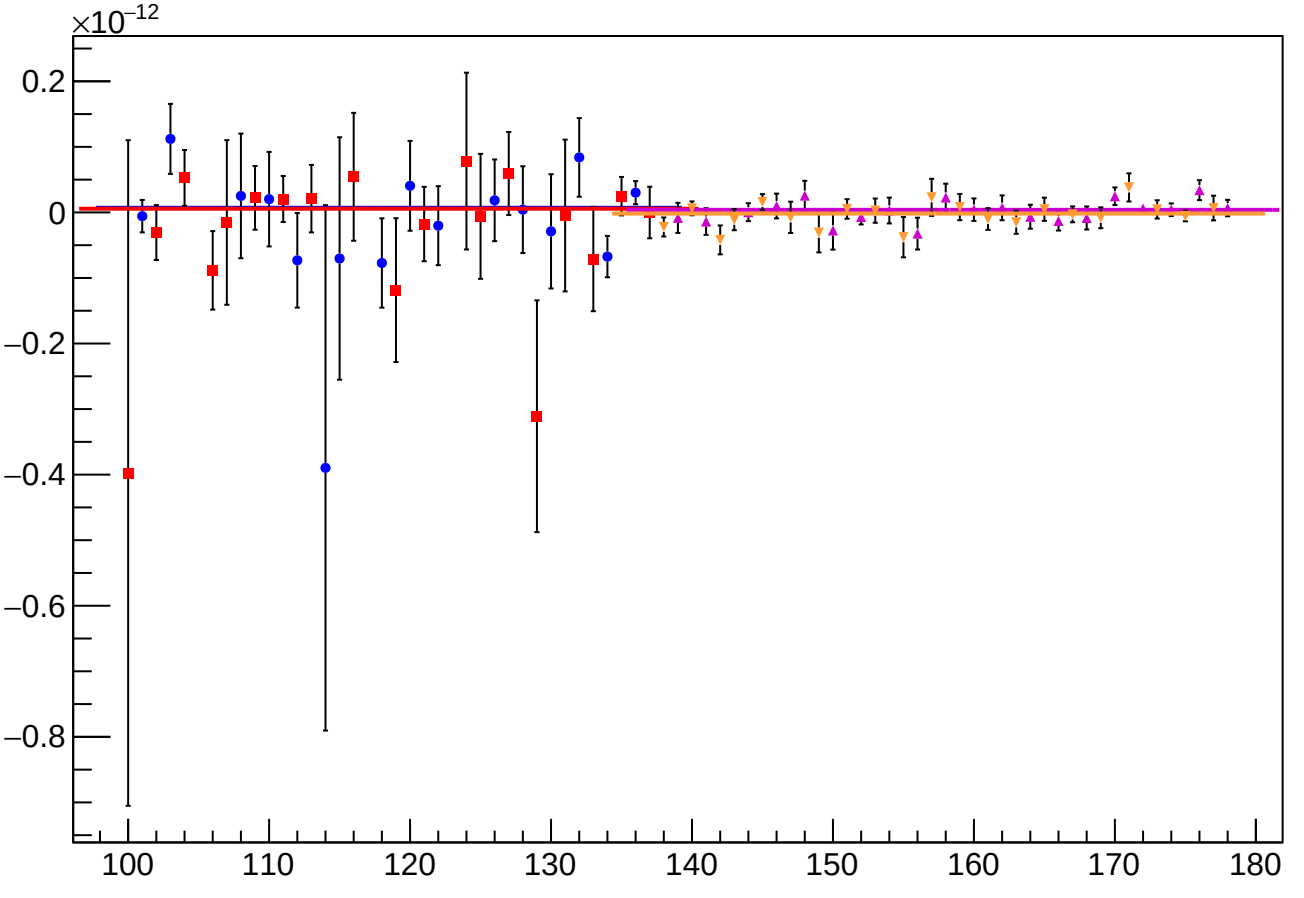
Left: 324.704+/-0.041 χ^2/NDF: 1925574.9/40

Right: 316.571+/-0.064 χ^2/NDF: 4517458.9/34

In: 325.807+/-0.049 χ^2/NDF:2871201.4/35

Out: 319.065+/-0.048 χ^2/NDF:3573719.6/39

All: 322.357+/-0.034 χ^2/NDF: 6454569.1/75



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:15.8/19

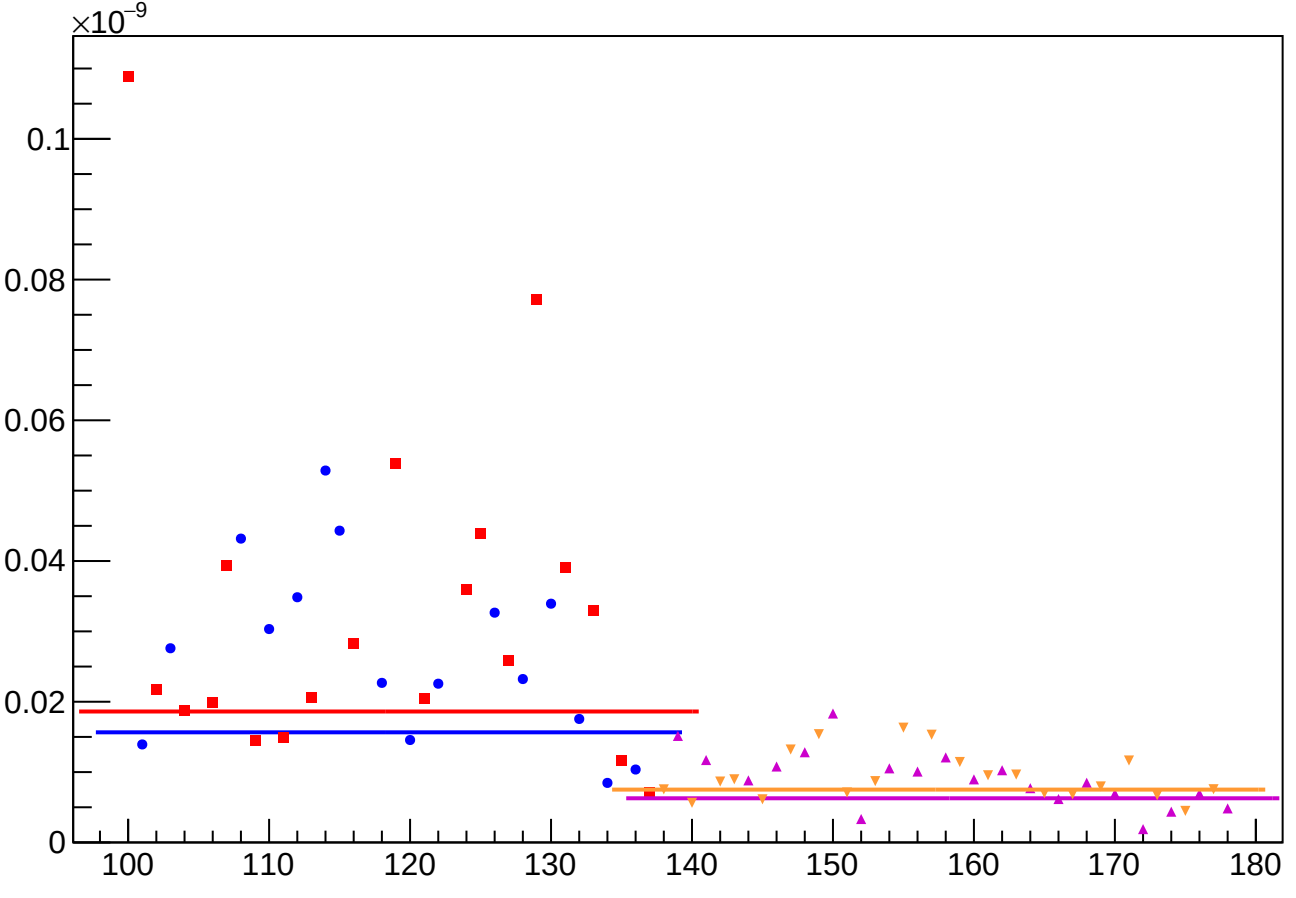
Left: 0.000+/-0.000 χ^2/NDF: 34.5/40

Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:33.6/35

Out: -0.000+/-0.000 χ^2/NDF:30.3/39

All: 0.000+/-0.000 χ^2/NDF: 65.4/75



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:2725926.1/19

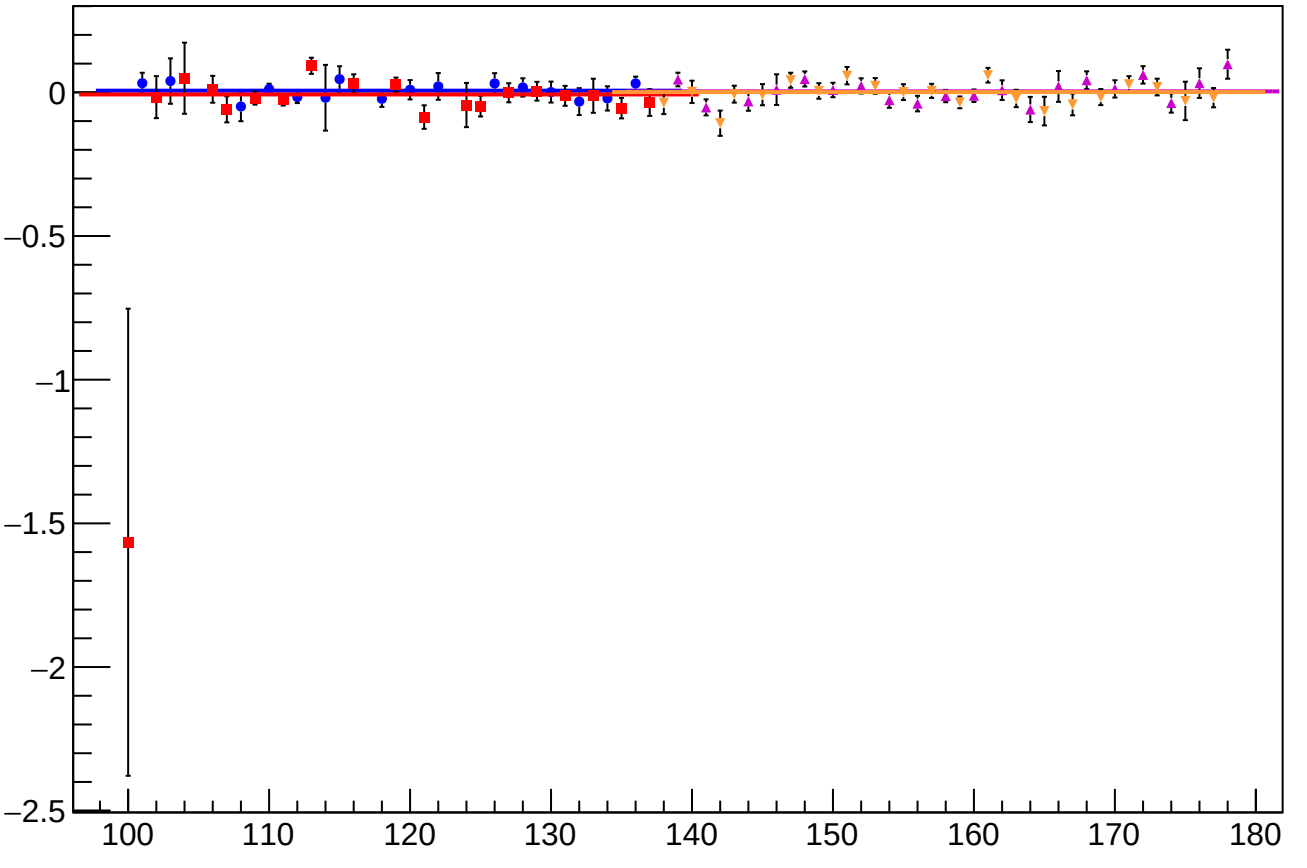
Left: 0.000+/-0.000 χ^2/NDF: 4058964.4/40

Right: 0.000+/-0.000 χ^2/NDF: 2454460.5/34

In: 0.000+/-0.000 χ^2/NDF:5239472.9/35

Out: 0.000+/-0.000 χ^2/NDF:3821156.8/39

All: 0.000+/-0.000 χ^2/NDF: 9204316.8/75



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: 0.003+/-0.007 χ^2/NDF:28.9/19

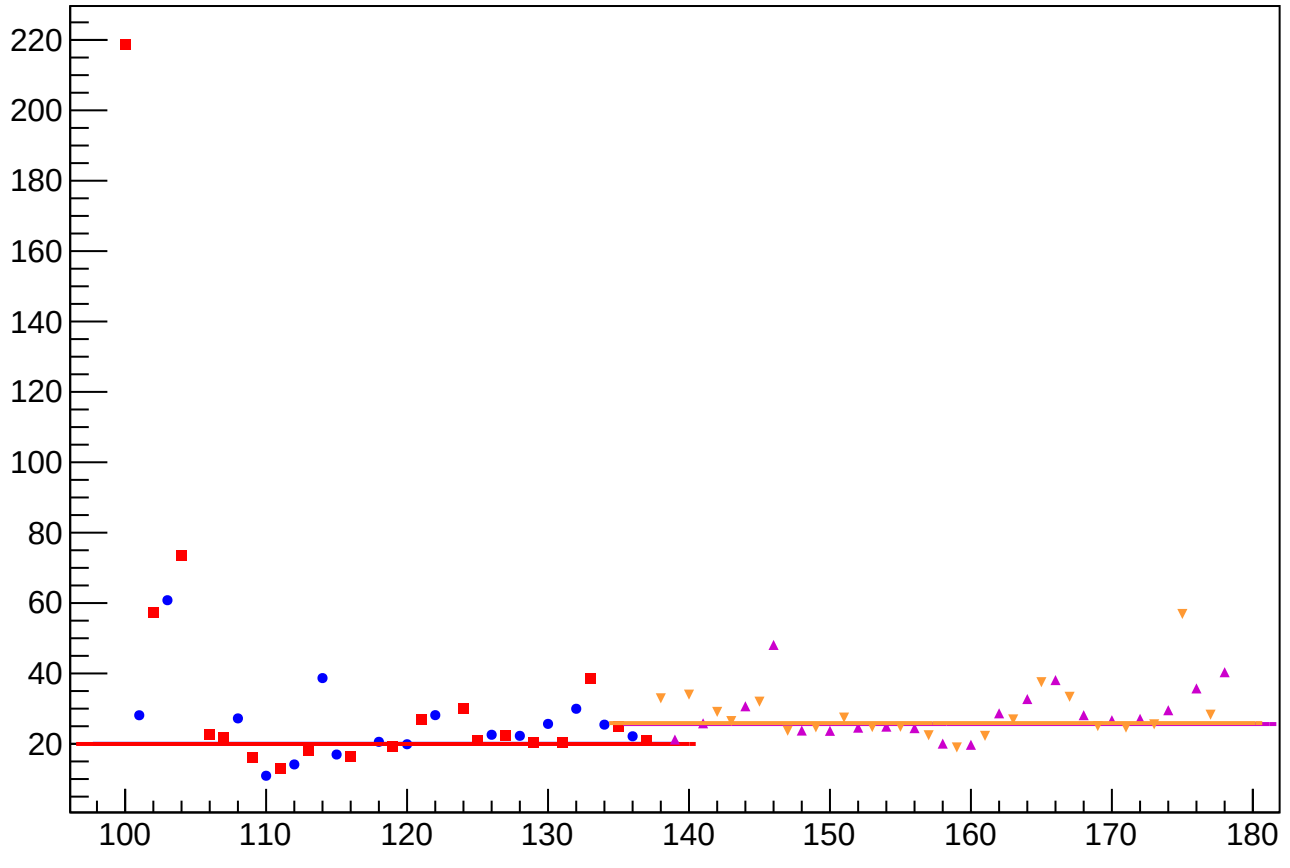
Left: 0.002+/-0.005 χ^2/NDF: 56.8/40

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.004+/-0.005 χ^2/NDF:36.8/35

Out: -0.002+/-0.005 χ^2/NDF:58.3/39

All: 0.001+/-0.004 χ^2/NDF: 96.0/75



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: 25.620+/-0.005 χ^2/NDF:1255045.2/19

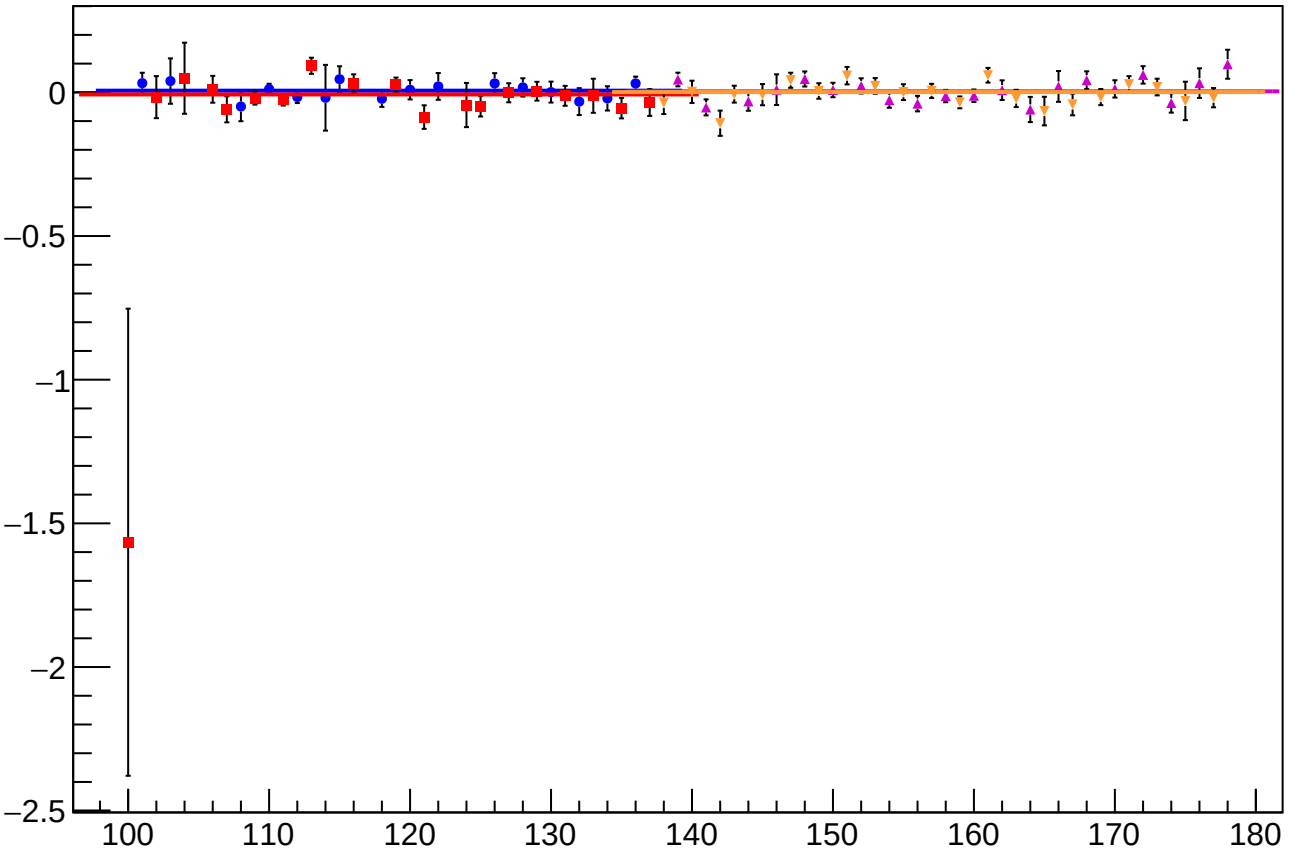
Left: 25.758+/-0.003 χ^2/NDF: 2444331.3/40

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 23.371+/-0.004 χ^2/NDF:3464314.0/35

Out: 23.519+/-0.004 χ^2/NDF:3548300.6/39

All: 23.446+/-0.003 χ^2/NDF: 7013444.9/75



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: 0.003+/-0.007 χ^2/NDF:28.9/19

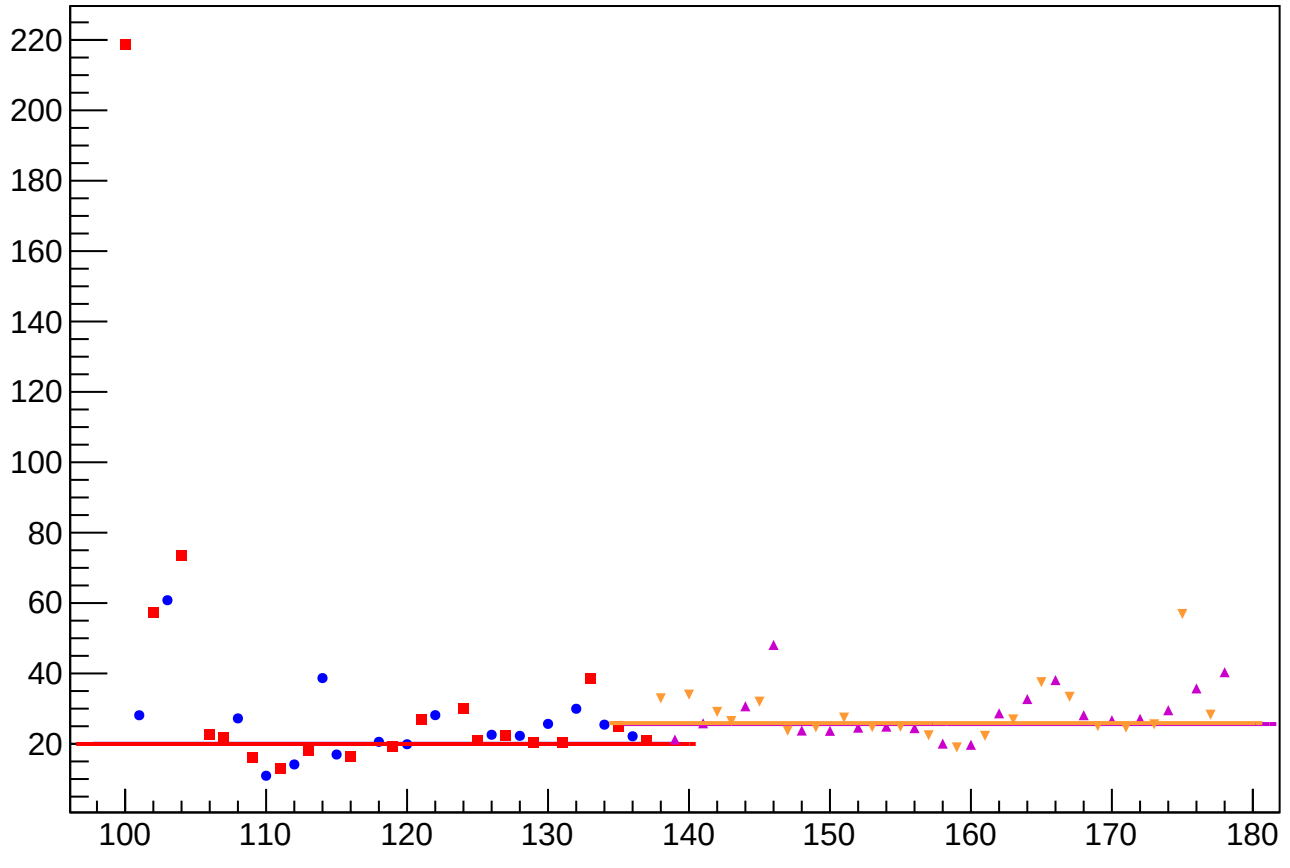
Left: 0.002+/-0.005 χ^2/NDF: 56.8/40

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.004+/-0.005 χ^2/NDF:36.8/35

Out: -0.002+/-0.005 χ^2/NDF:58.3/39

All: 0.001+/-0.004 χ^2/NDF: 96.0/75



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: 25.620+/-0.005 χ^2/NDF:1255045.2/19

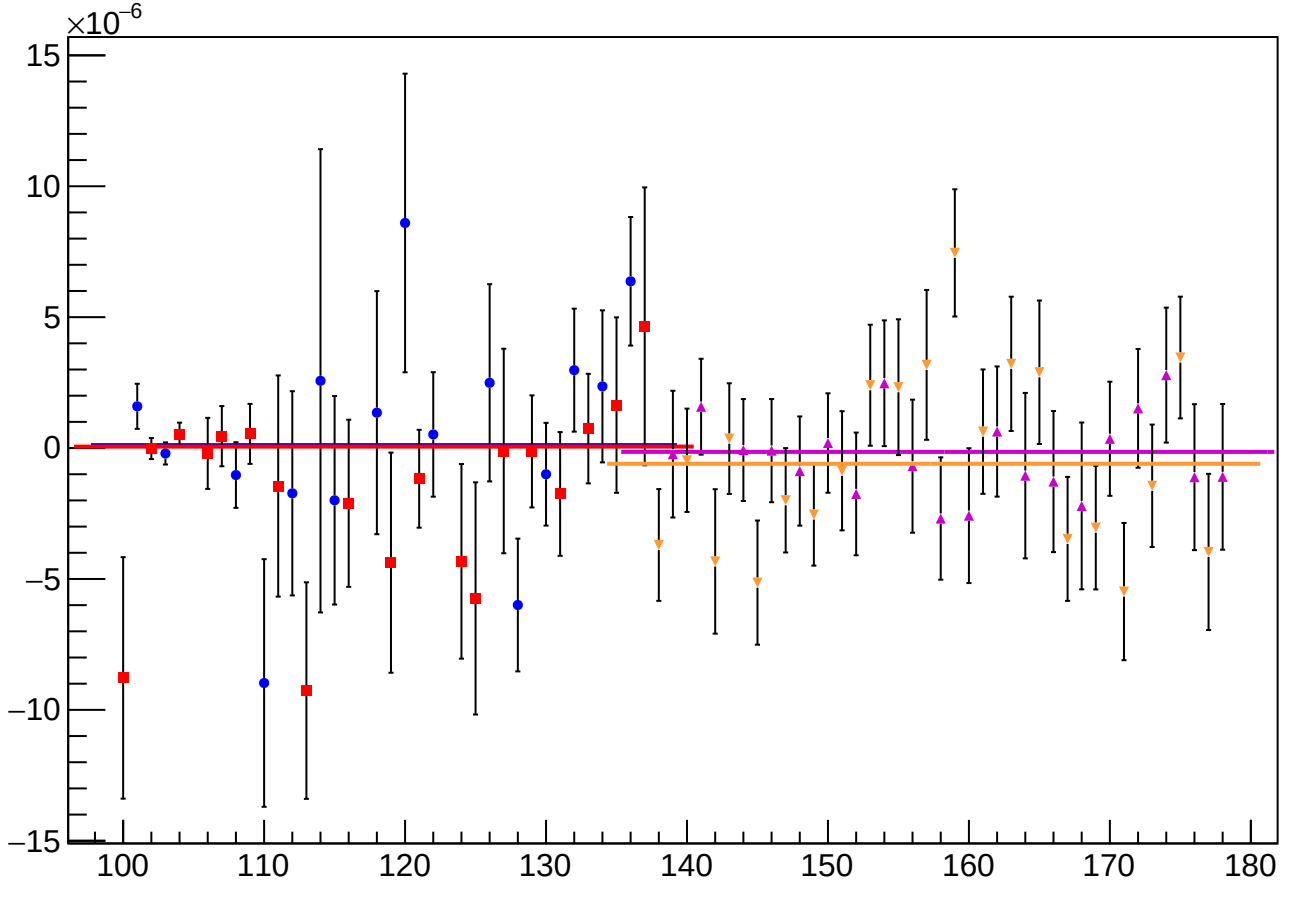
Left: 25.758+/-0.003 χ^2/NDF: 2444331.3/40

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 23.371+/-0.004 χ^2/NDF:3464314.0/35

Out: 23.519+/-0.004 χ^2/NDF:3548300.6/39

All: 23.446+/-0.003 χ^2/NDF: 7013444.9/75



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:7.7/19

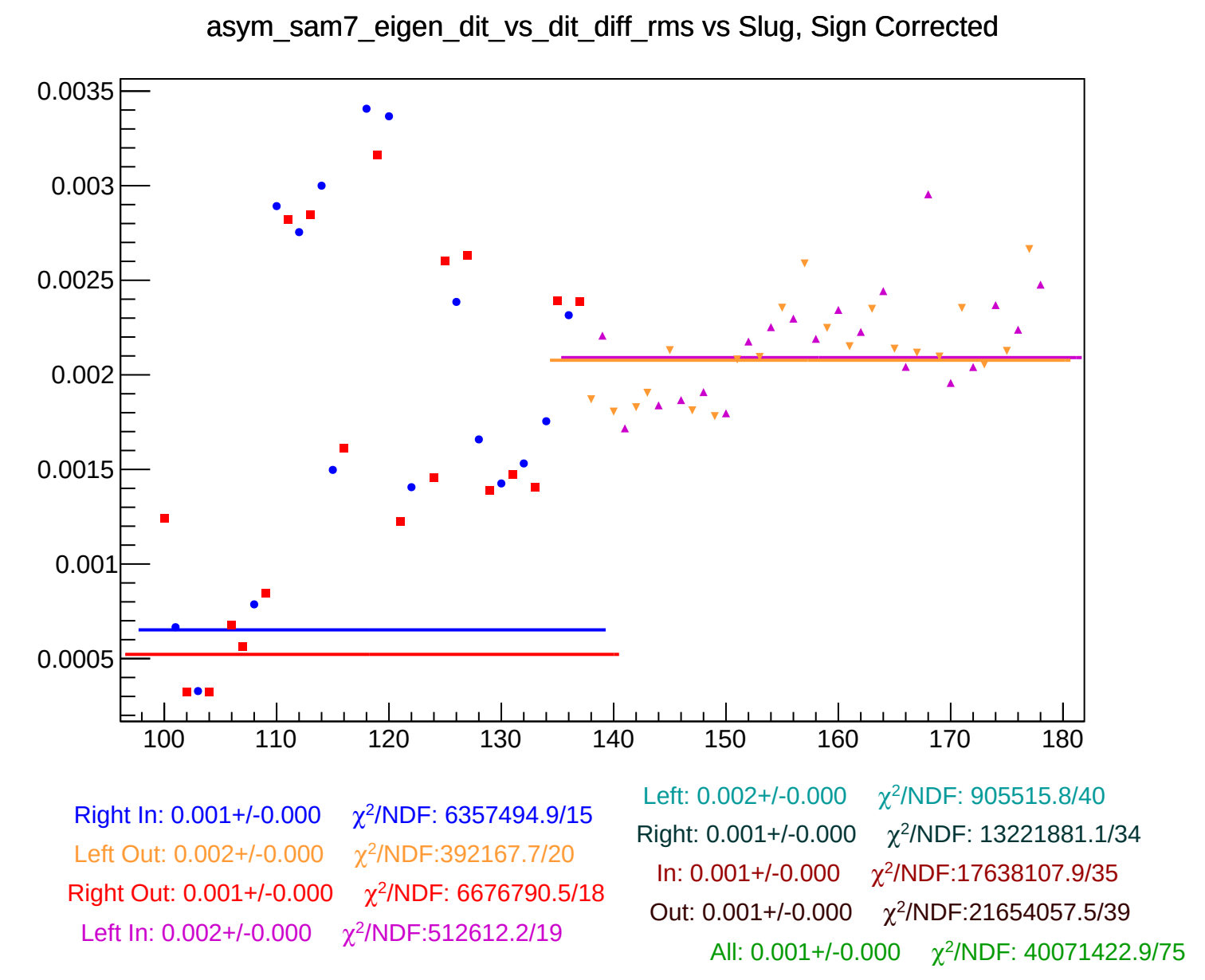
Left: -0.000+/-0.000 χ^2/NDF: 47.7/40

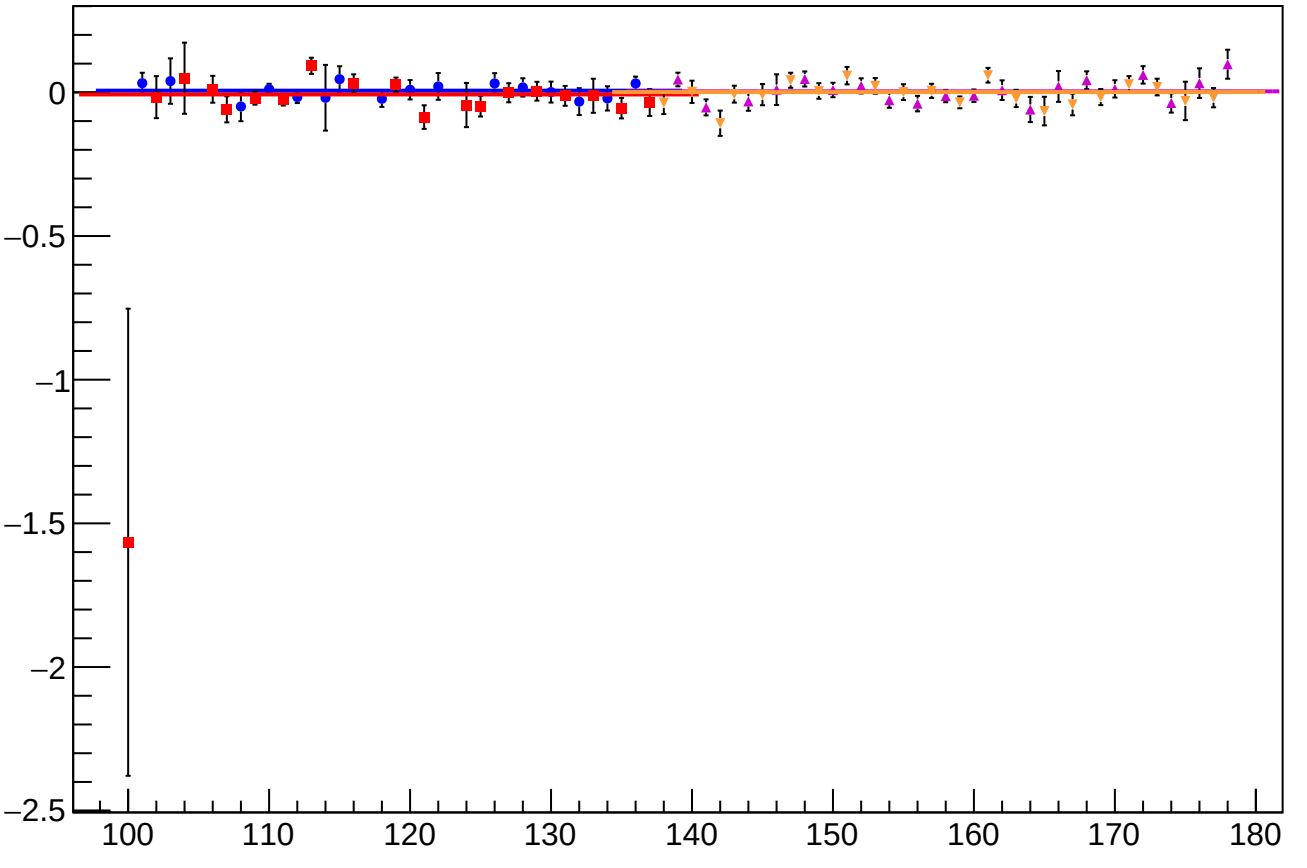
Right: 0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:34.0/35

Out: -0.000+/-0.000 χ^2/NDF:58.0/39

All: -0.000+/-0.000 χ^2/NDF: 92.0/75


asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 6357494.9/15
Left Out: 0.002+/-0.000 χ²/NDF:392167.7/20
Right Out: 0.001+/-0.000 χ²/NDF: 6676790.5/18
Left In: 0.002+/-0.000 χ²/NDF:512612.2/19
Left: 0.002+/-0.000 χ²/NDF: 905515.8/40
Right: 0.001+/-0.000 χ²/NDF: 13221881.1/34
In: 0.001+/-0.000 χ²/NDF:17638107.9/35
Out: 0.001+/-0.000 χ²/NDF:21654057.5/39
All: 0.001+/-0.000 χ²/NDF: 40071422.9/75



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: 0.003+/-0.007 χ^2/NDF:28.9/19

Left: 0.002+/-0.005 χ^2/NDF: 56.8/40

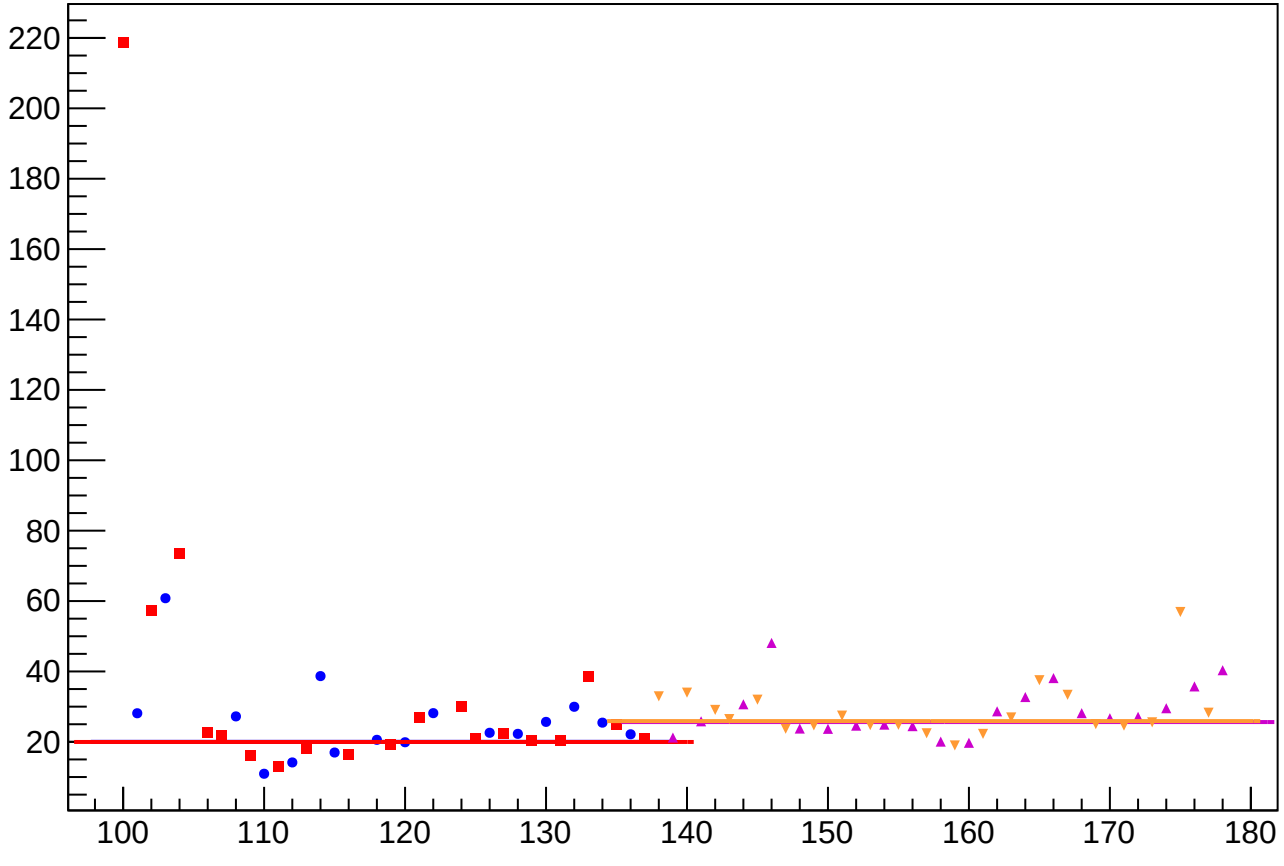
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.004+/-0.005 χ^2/NDF:36.8/35

Out: -0.002+/-0.005 χ^2/NDF:58.3/39

All: 0.001+/-0.004 χ^2/NDF: 96.0/75

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 25.894+/-0.005 χ^2/NDF:1187636.2/20

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 25.620+/-0.005 χ^2/NDF:1255110.1/19

Left: 25.758+/-0.003 χ^2/NDF: 2444447.5/40

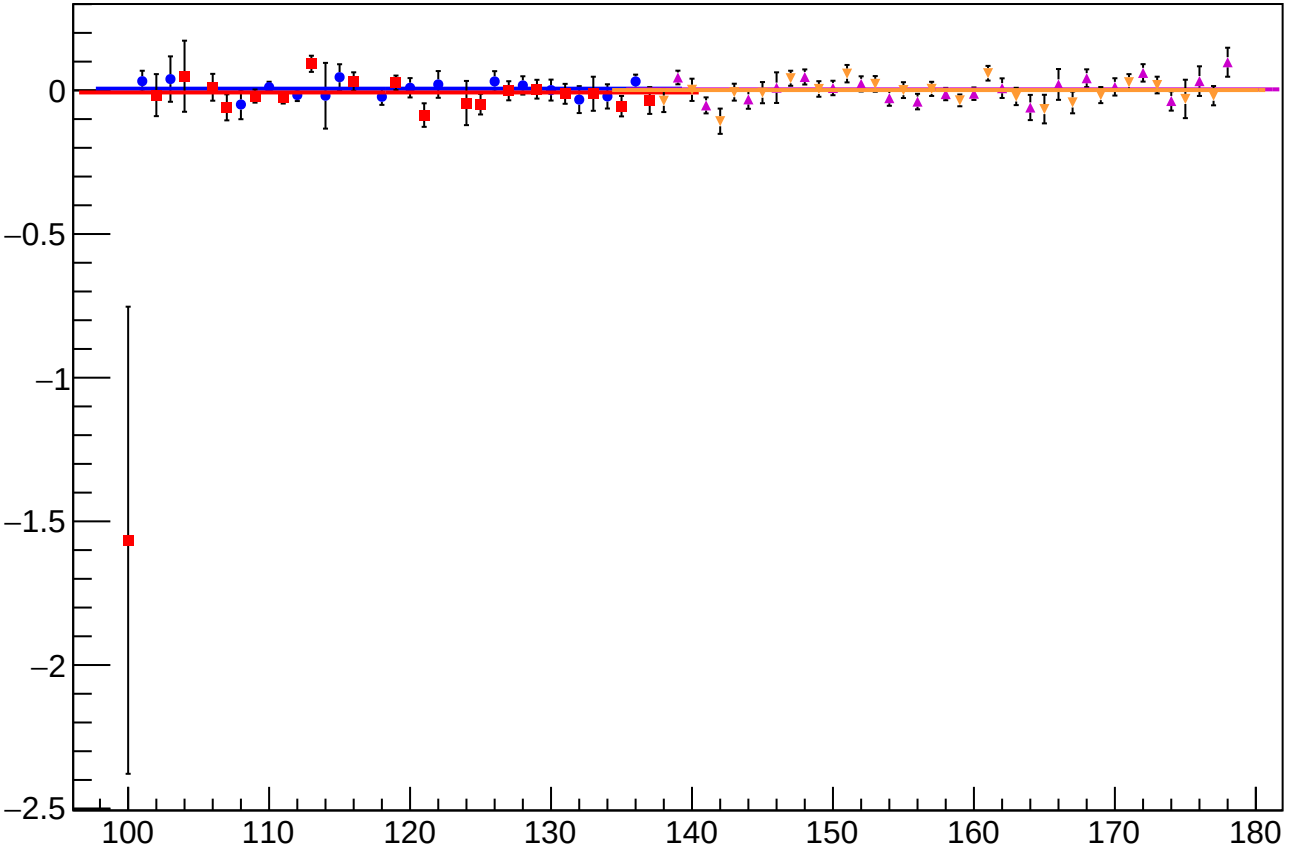
Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 23.371+/-0.004 χ^2/NDF:3464094.6/35

Out: 23.519+/-0.004 χ^2/NDF:3548258.3/39

All: 23.446+/-0.003 χ^2/NDF: 7013181.5/75

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:27.9/20

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.003+/-0.007 χ^2/NDF:28.9/19

Left: 0.002+/-0.005 χ^2/NDF: 56.8/40

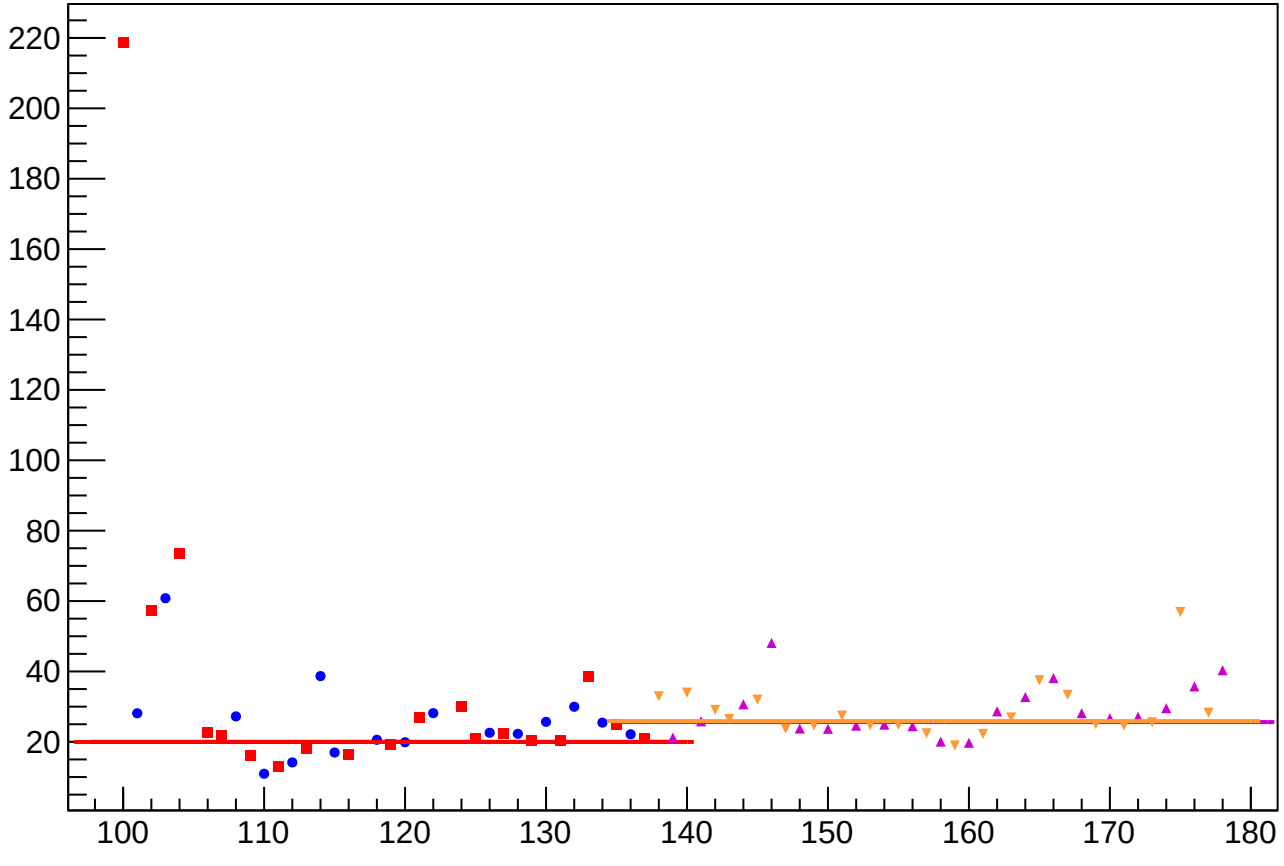
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.004+/-0.005 χ^2/NDF:36.8/35

Out: -0.002+/-0.005 χ^2/NDF:58.3/39

All: 0.001+/-0.004 χ^2/NDF: 96.0/75

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 25.894+/-0.005 χ^2/NDF:1187636.2/20

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 25.620+/-0.005 χ^2/NDF:1255110.1/19

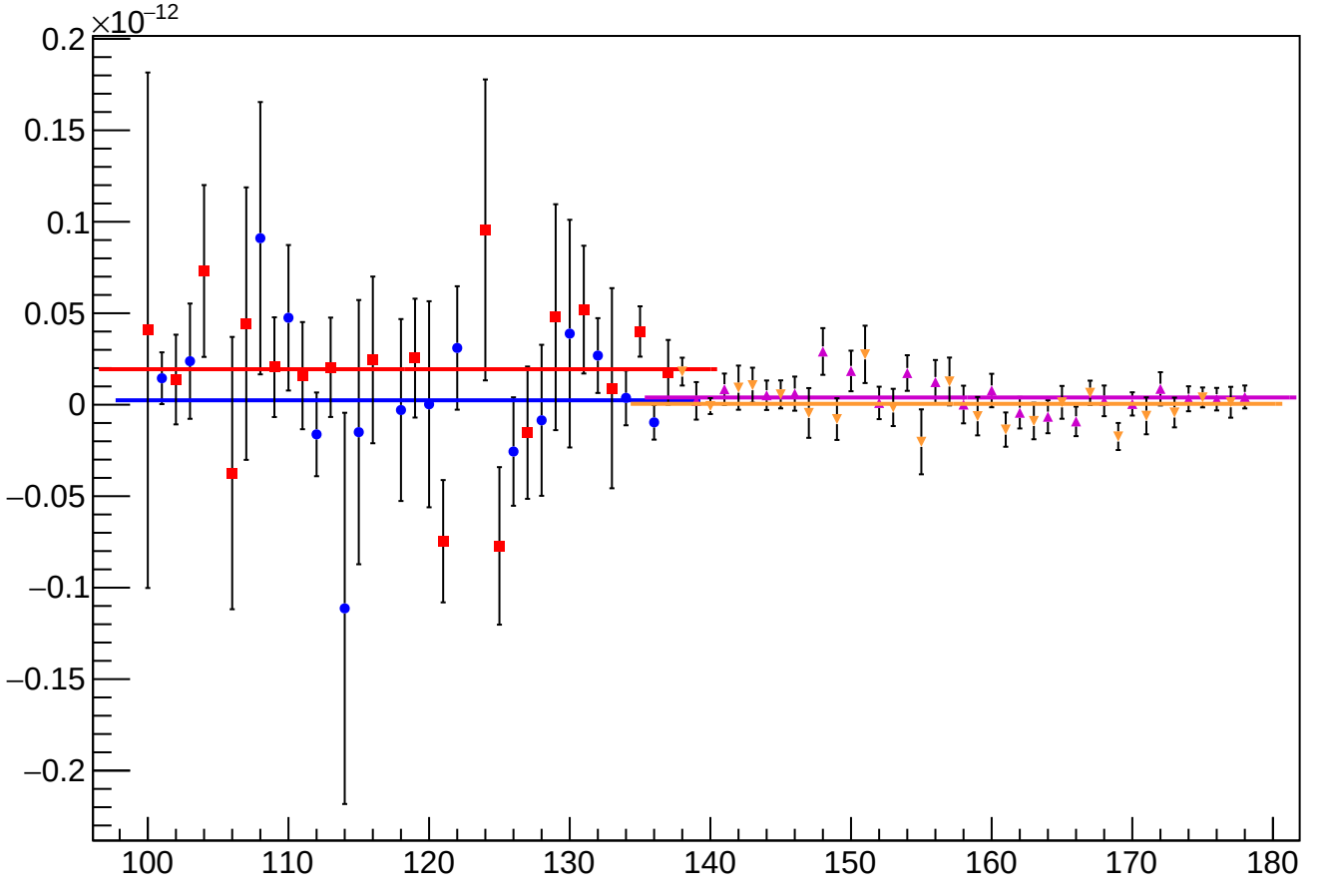
Left: 25.758+/-0.003 χ^2/NDF: 2444447.5/40

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 23.371+/-0.004 χ^2/NDF:3464094.6/35

Out: 23.519+/-0.004 χ^2/NDF:3548258.3/39

All: 23.446+/-0.003 χ^2/NDF: 7013181.5/75



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:14.3/19

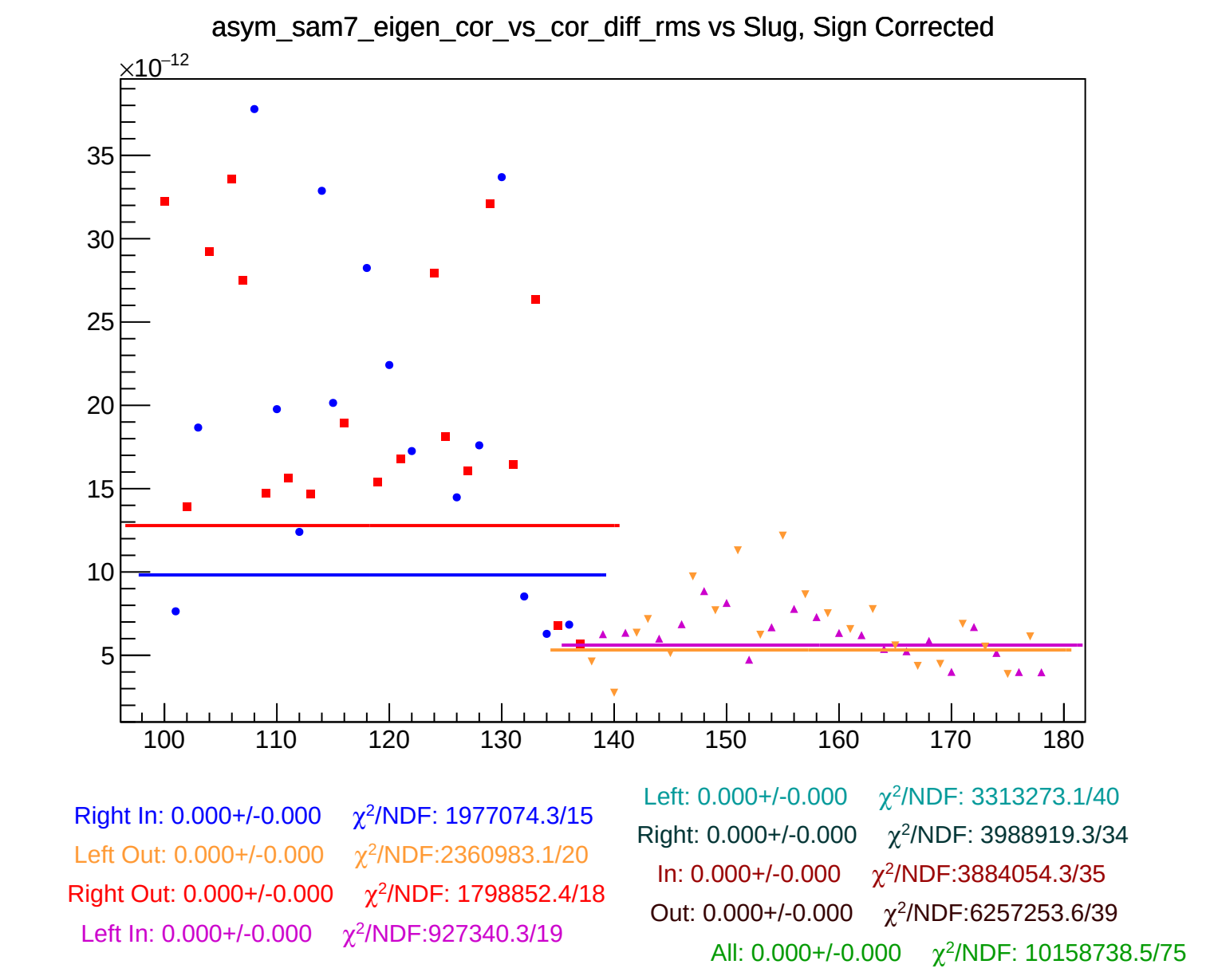
Left: 0.000+/-0.000 χ^2/NDF: 41.0/40

Right: 0.000+/-0.000 χ^2/NDF: 34.6/34

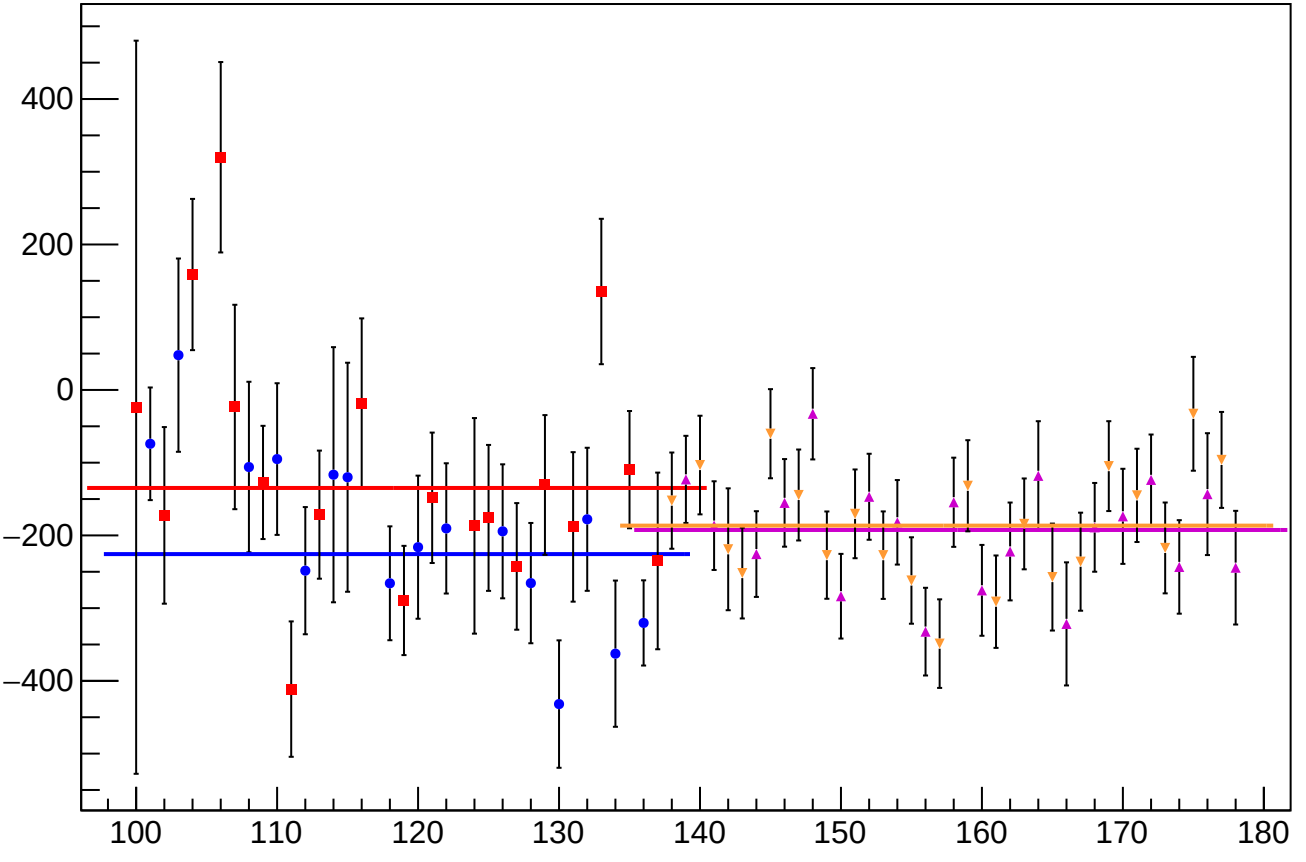
In: 0.000+/-0.000 χ^2/NDF:25.2/35

Out: 0.000+/-0.000 χ^2/NDF:51.9/39

All: 0.000+/-0.000 χ^2/NDF: 77.8/75


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:927340.3/19
Left: 0.000+/-0.000 χ²/NDF: 3313273.1/40
Right: 0.000+/-0.000 χ²/NDF: 3988919.3/34
In: 0.000+/-0.000 χ²/NDF:3884054.3/35
Out: 0.000+/-0.000 χ²/NDF:6257253.6/39
All: 0.000+/-0.000 χ²/NDF: 10158738.5/75

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: -192.541+/-14.307 χ^2/NDF:25.4/19

Left: -189.493+/-10.027 χ^2/NDF: 56.0/40

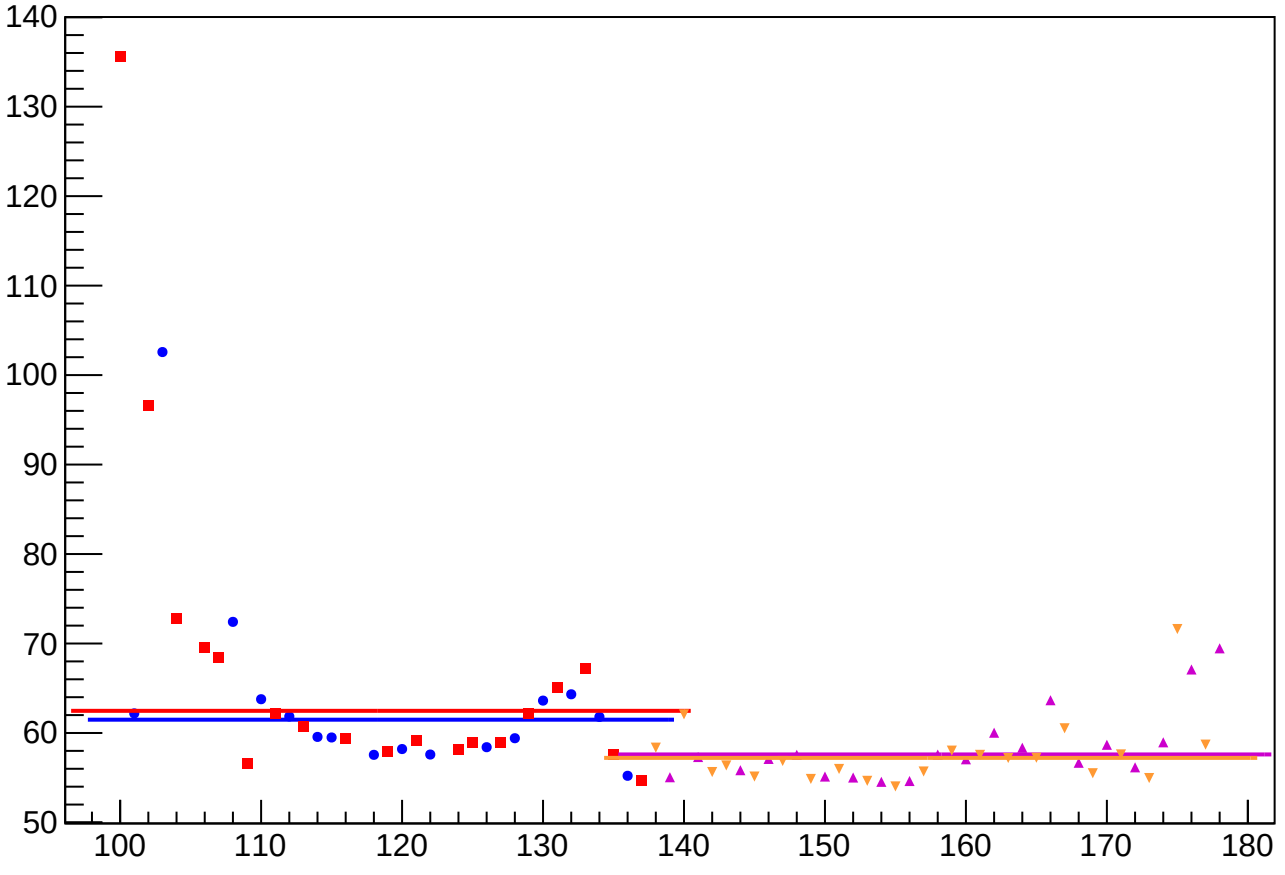
Right: -180.371+/-16.373 χ^2/NDF: 75.6/34

In: -201.721+/-12.166 χ^2/NDF:49.5/35

Out: -172.637+/-12.021 χ^2/NDF:79.4/39

All: -187.005+/-8.551 χ^2/NDF: 131.8/75

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: 57.602+/-0.010 χ^2/NDF:111316.1/19

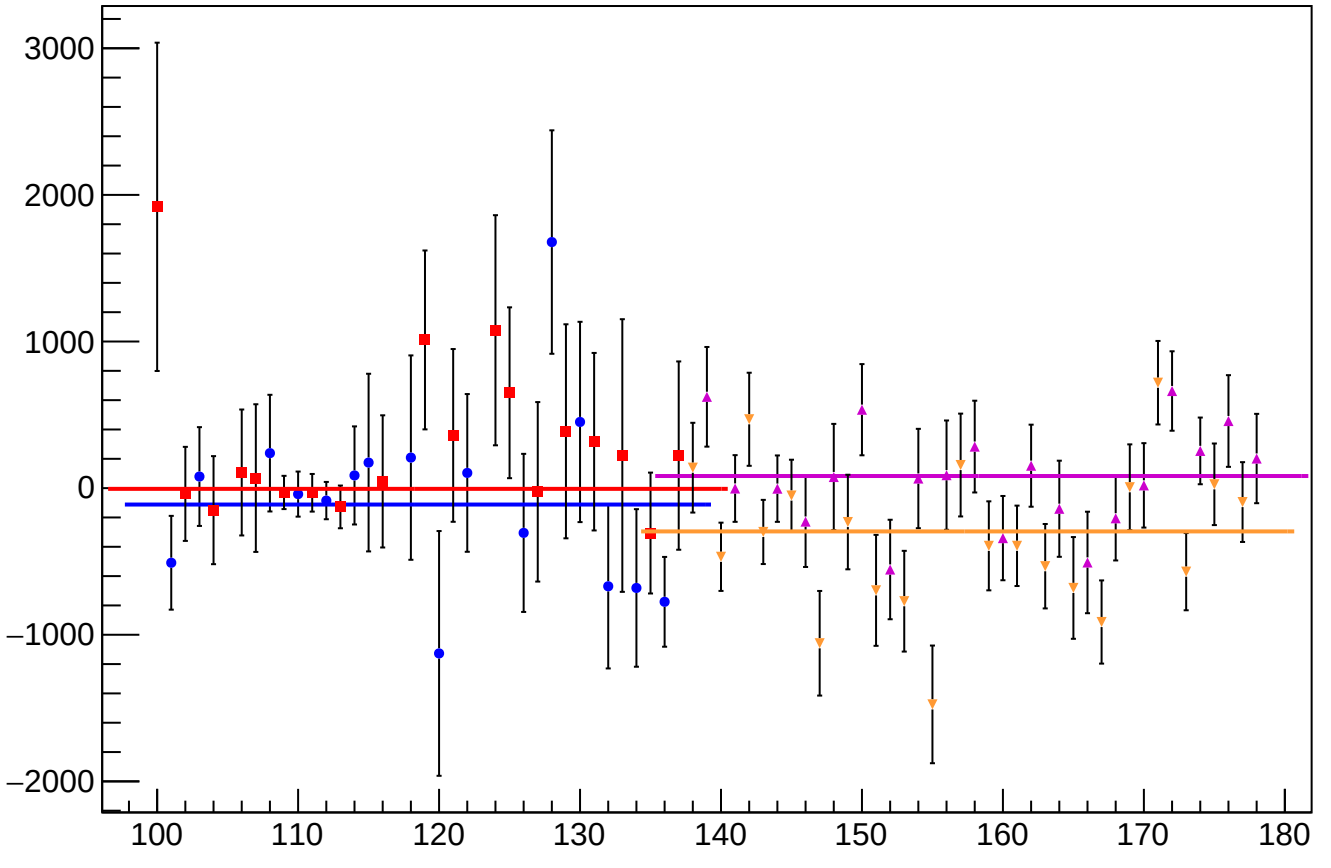
Left: 57.406+/-0.007 χ^2/NDF: 219082.4/40

Right: 61.979+/-0.012 χ^2/NDF: 533645.0/34

In: 58.678+/-0.009 χ^2/NDF:402799.9/35

Out: 58.630+/-0.009 χ^2/NDF:463376.8/39

All: 58.654+/-0.006 χ^2/NDF: 866192.2/75



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: 82.673+/-65.751 χ^2/NDF:23.3/19

Left: -111.961+/-45.783 χ^2/NDF: 91.2/40

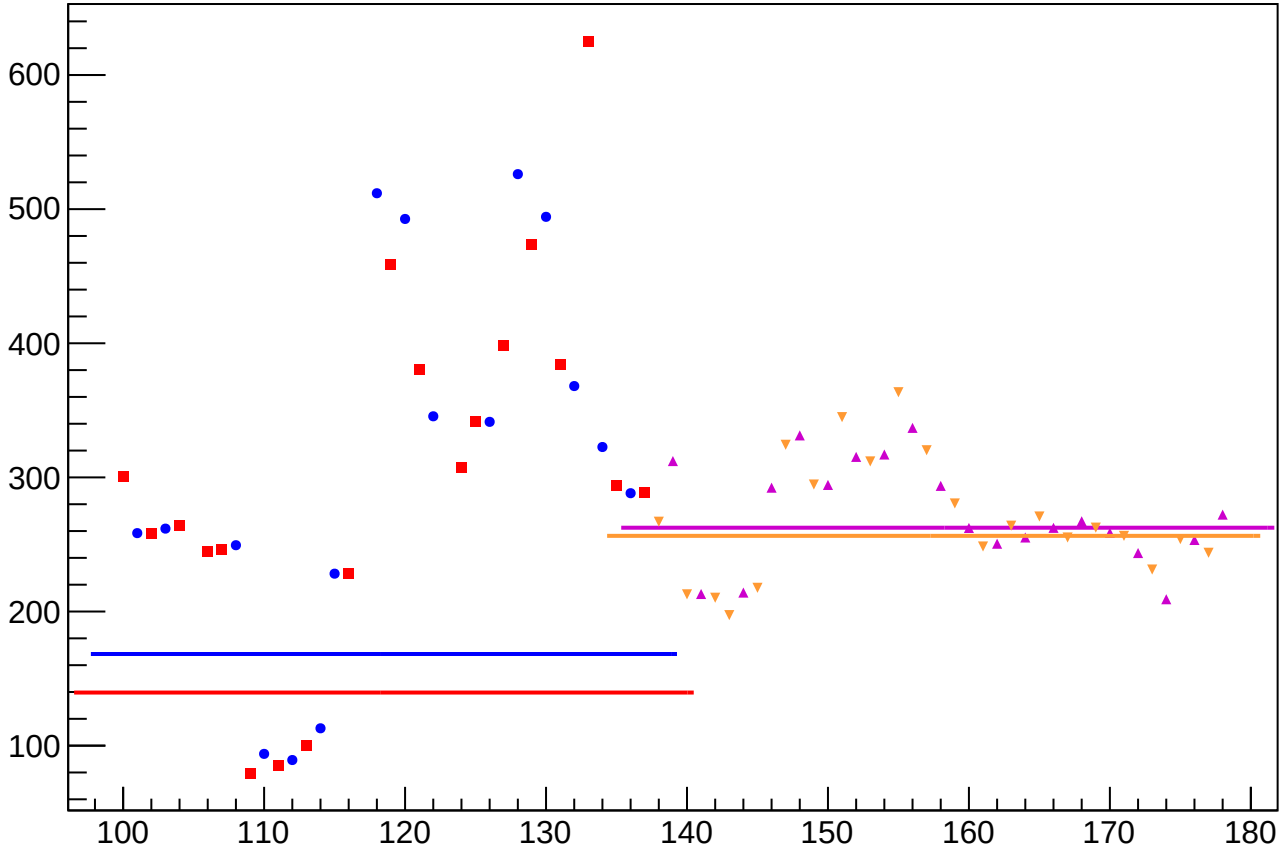
Right: -49.085+/-48.981 χ^2/NDF: 31.3/34

In: -0.346+/-49.784 χ^2/NDF:45.5/35

Out: -150.348+/-45.156 χ^2/NDF:72.9/39

All: -82.642+/-33.447 χ^2/NDF: 123.4/75

asym_sam8_reg_correction_rms vs Slug, Sign Corrected



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: 262.484+/-0.046 χ^2/NDF:669144.1/19

Left: 259.361+/-0.032 χ^2/NDF: 1502468.7/40

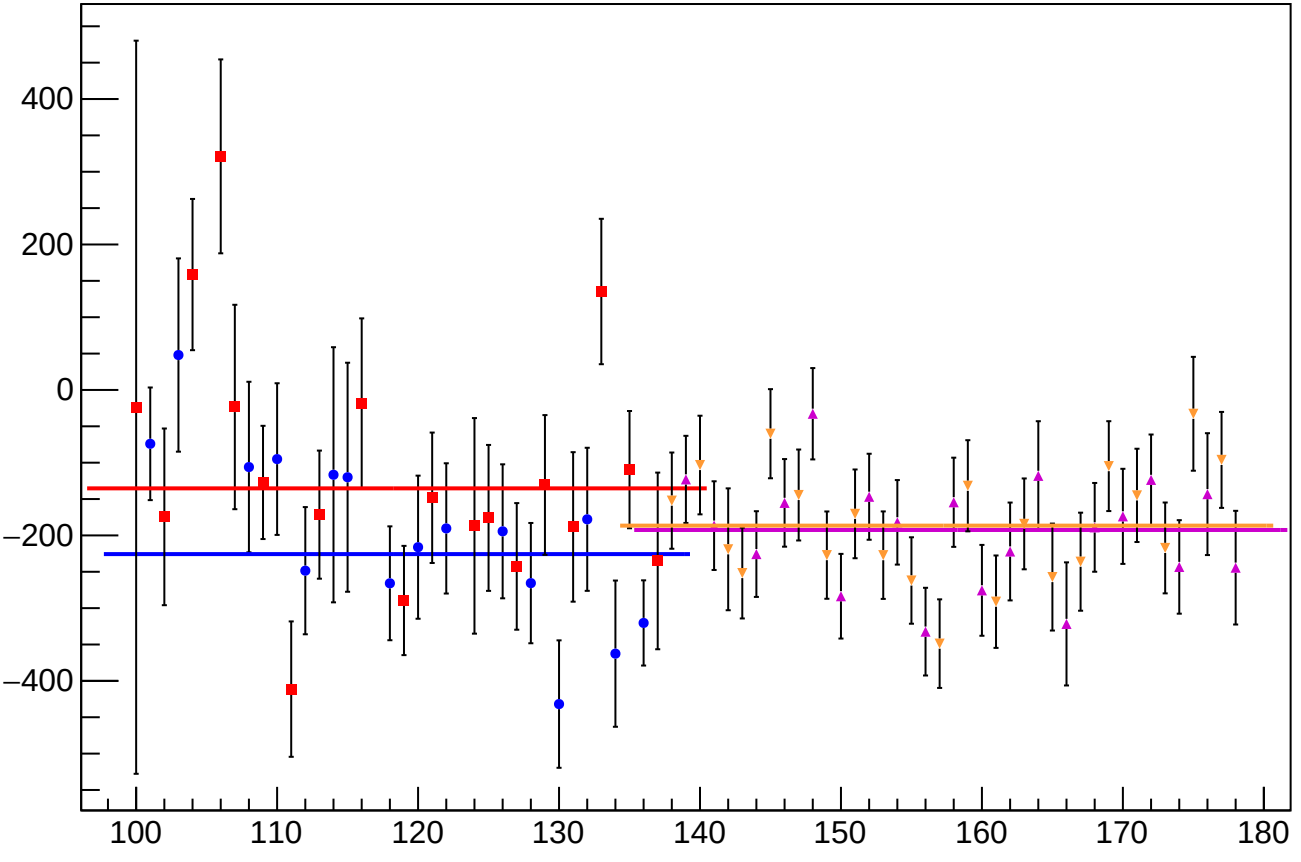
Right: 151.463+/-0.035 χ^2/NDF: 9865092.4/34

In: 222.308+/-0.035 χ^2/NDF:6963193.9/35

Out: 198.139+/-0.032 χ^2/NDF:9325490.3/39

All: 209.048+/-0.024 χ^2/NDF: 16547280.3/75

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: -192.541+/-14.307 χ^2/NDF:25.4/19

Left: -189.492+/-10.027 χ^2/NDF: 56.0/40

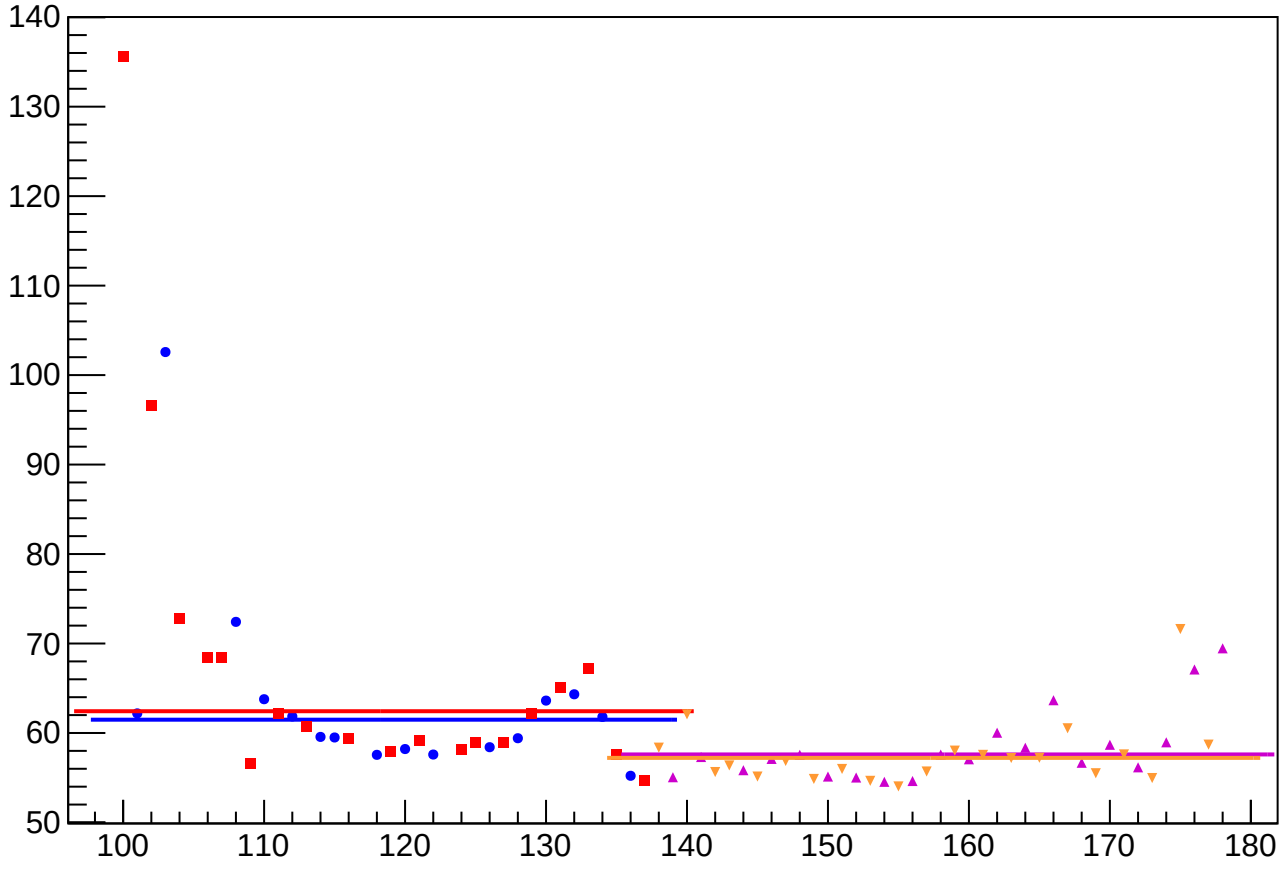
Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -201.721+/-12.166 χ^2/NDF:49.5/35

Out: -172.794+/-12.023 χ^2/NDF:79.0/39

All: -187.087+/-8.552 χ^2/NDF: 131.3/75

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: 57.602+/-0.010 χ^2/NDF:111316.1/19

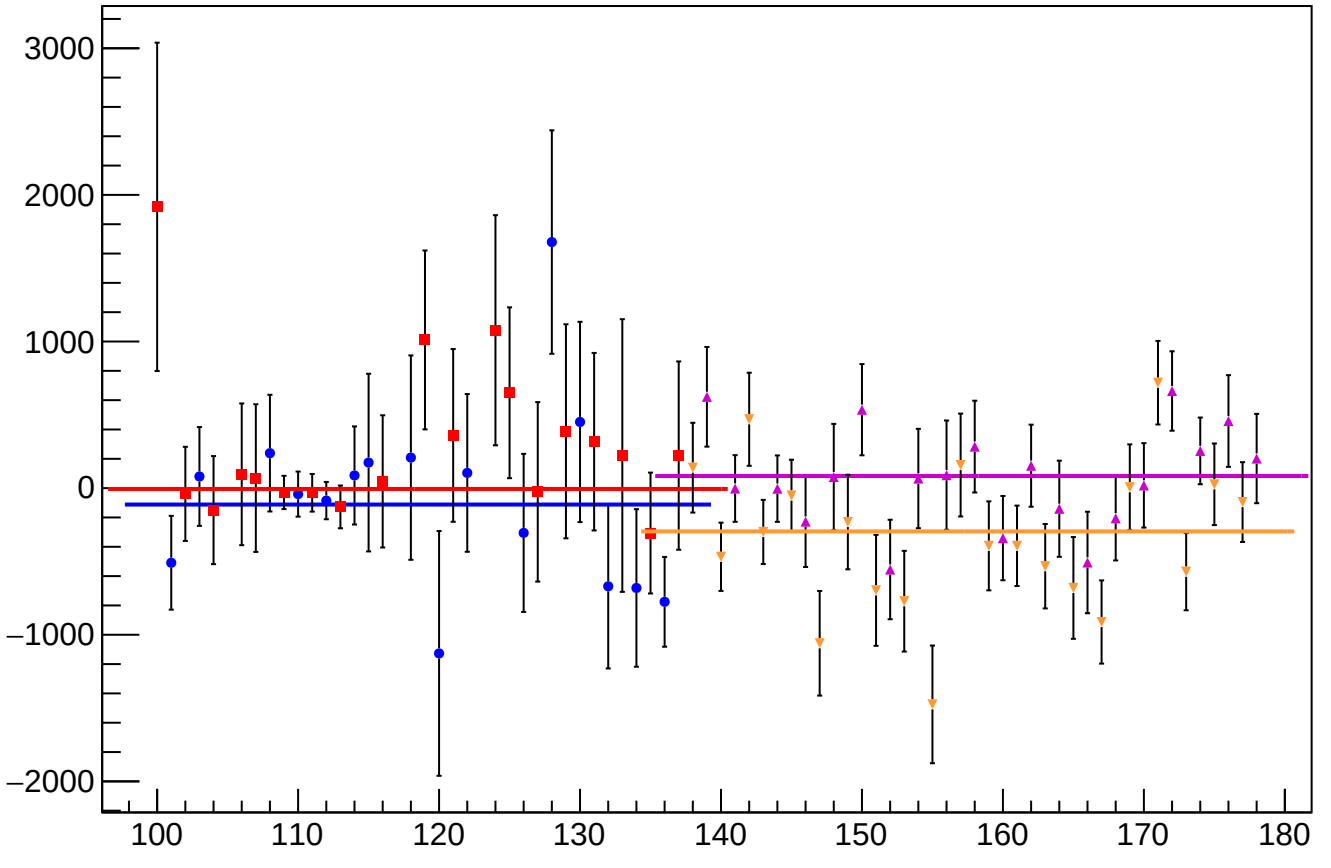
Left: 57.406+/-0.007 χ^2/NDF: 219082.4/40

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.678+/-0.009 χ^2/NDF:402802.5/35

Out: 58.617+/-0.009 χ^2/NDF:460347.7/39

All: 58.647+/-0.006 χ^2/NDF: 863175.2/75



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: 82.670+/-65.751 χ^2/NDF:23.3/19

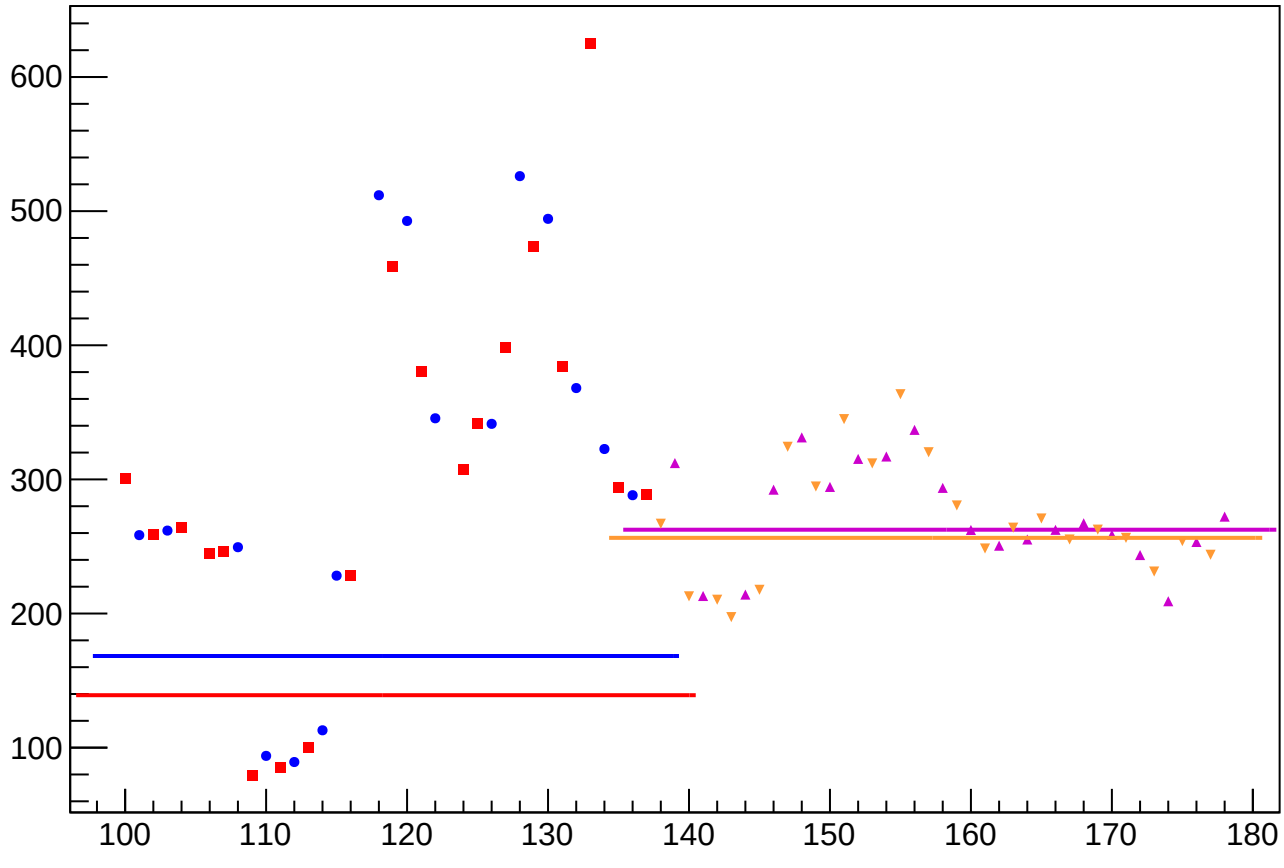
Left: -111.961+/-45.783 χ^2/NDF: 91.2/40

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -0.340+/-49.784 χ^2/NDF:45.5/35

Out: -151.051+/-45.209 χ^2/NDF:72.8/39

All: -82.937+/-33.469 χ^2/NDF: 123.3/75



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: 262.484+/-0.046 χ^2/NDF:669142.6/19

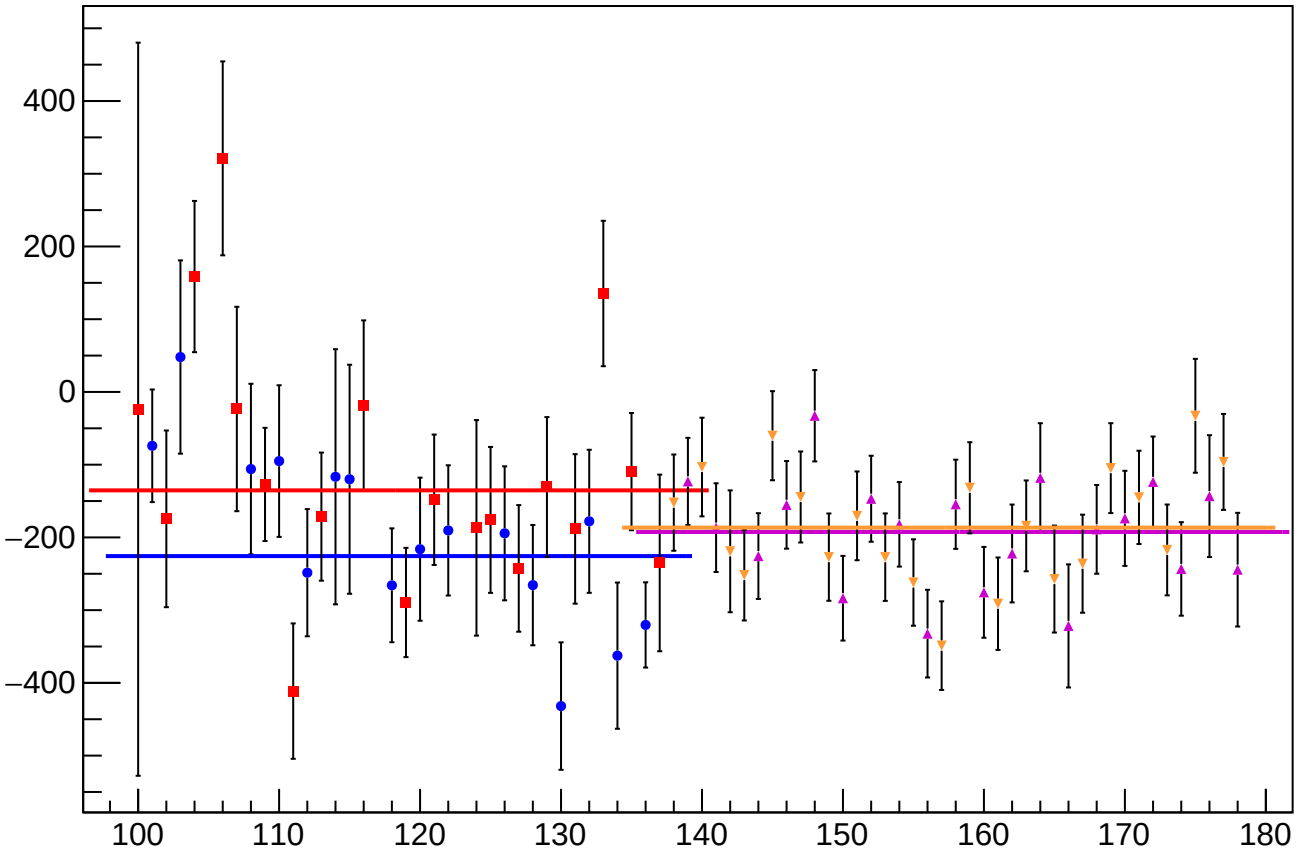
Left: 259.361+/-0.032 χ^2/NDF: 1502471.4/40

Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 222.308+/-0.035 χ^2/NDF:6963225.6/35

Out: 198.035+/-0.032 χ^2/NDF:9321368.8/39

All: 209.005+/-0.024 χ^2/NDF: 16545158.6/75



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: -192.541+/-14.307 χ^2/NDF:25.4/19

Left: -189.492+/-10.027 χ^2/NDF: 56.0/40

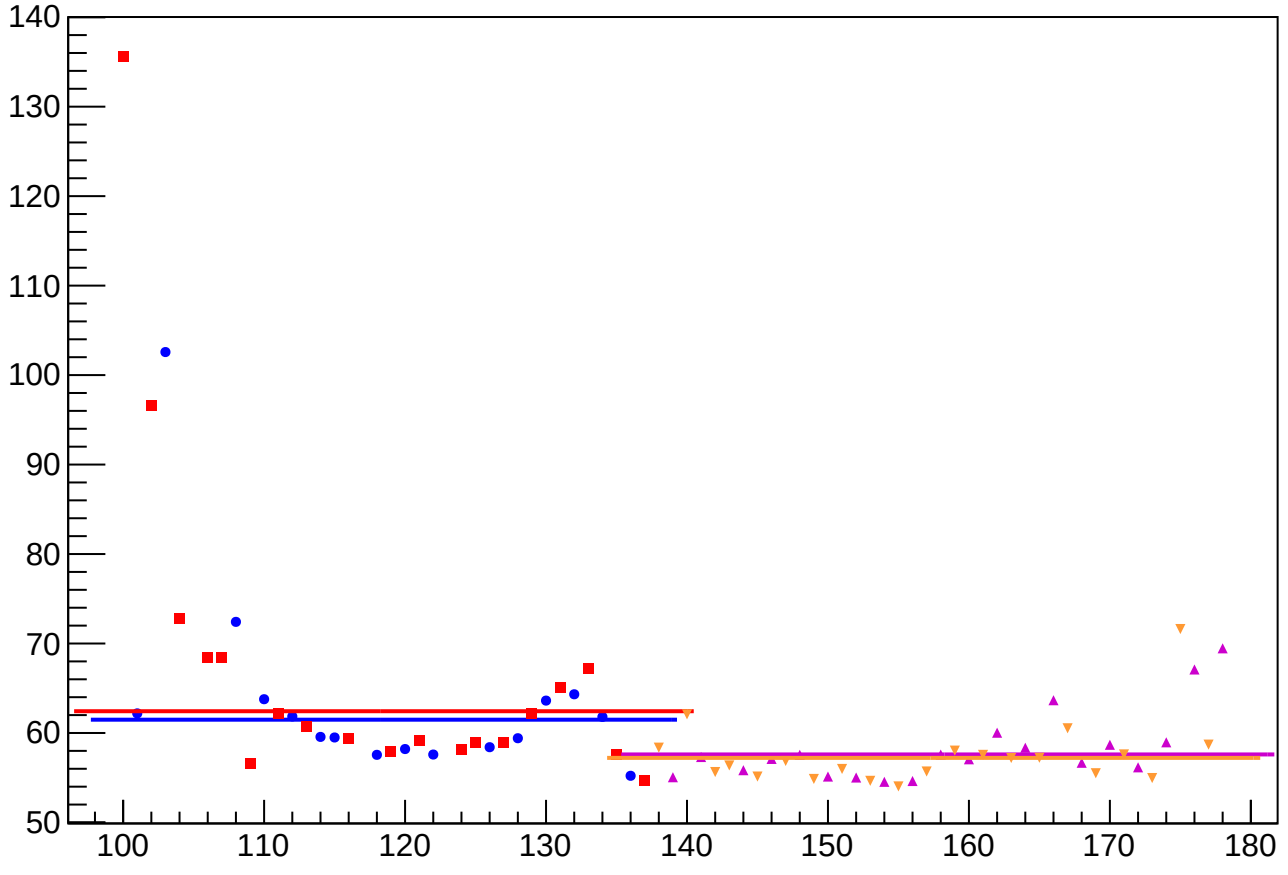
Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -201.721+/-12.166 χ^2/NDF:49.5/35

Out: -172.794+/-12.023 χ^2/NDF:79.0/39

All: -187.087+/-8.552 χ^2/NDF: 131.3/75

eigen_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: 57.602+/-0.010 χ^2/NDF:111316.1/19

Left: 57.406+/-0.007 χ^2/NDF: 219082.4/40

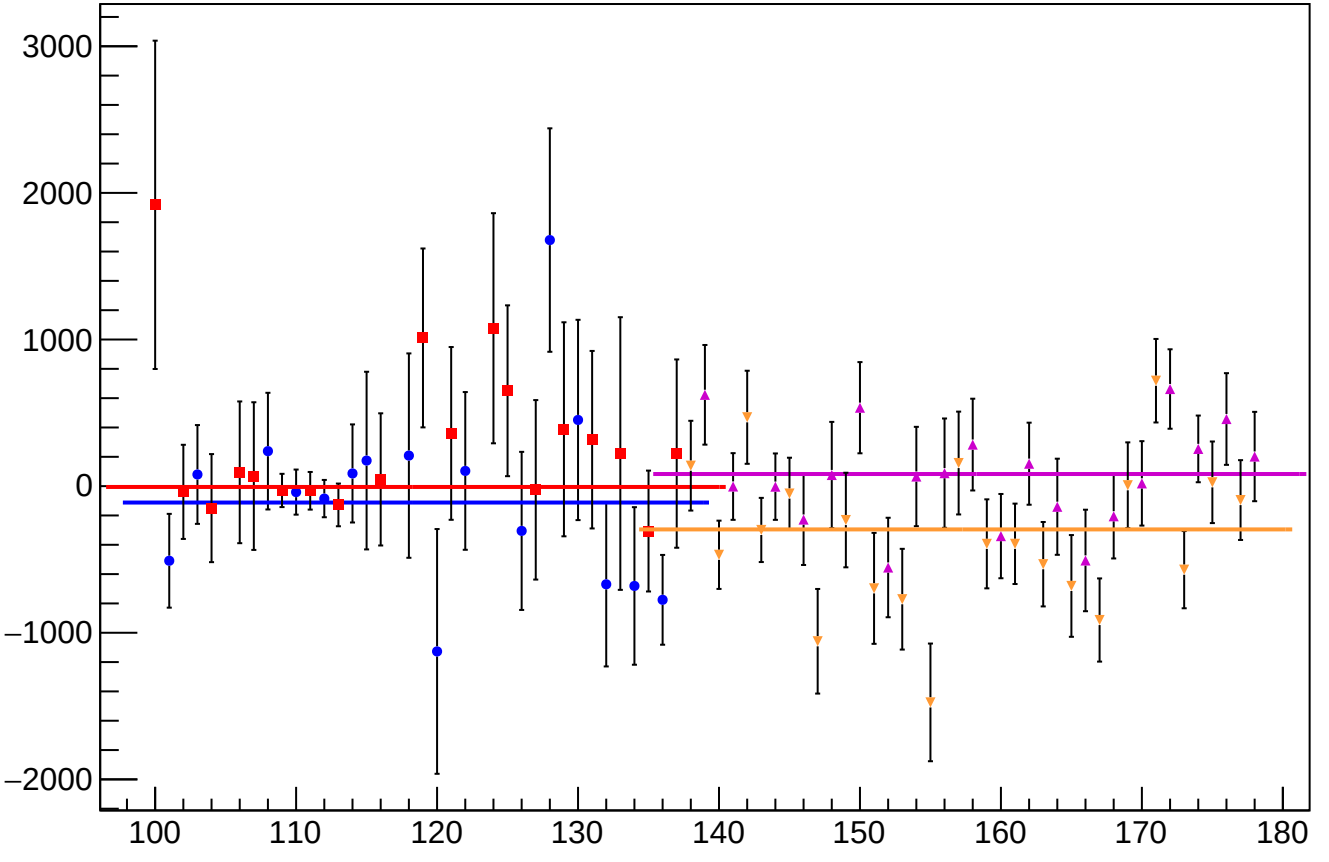
Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.678+/-0.009 χ^2/NDF:402802.5/35

Out: 58.617+/-0.009 χ^2/NDF:460347.7/39

All: 58.647+/-0.006 χ^2/NDF: 863175.2/75

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: 82.670+/-65.751 χ^2/NDF:23.3/19

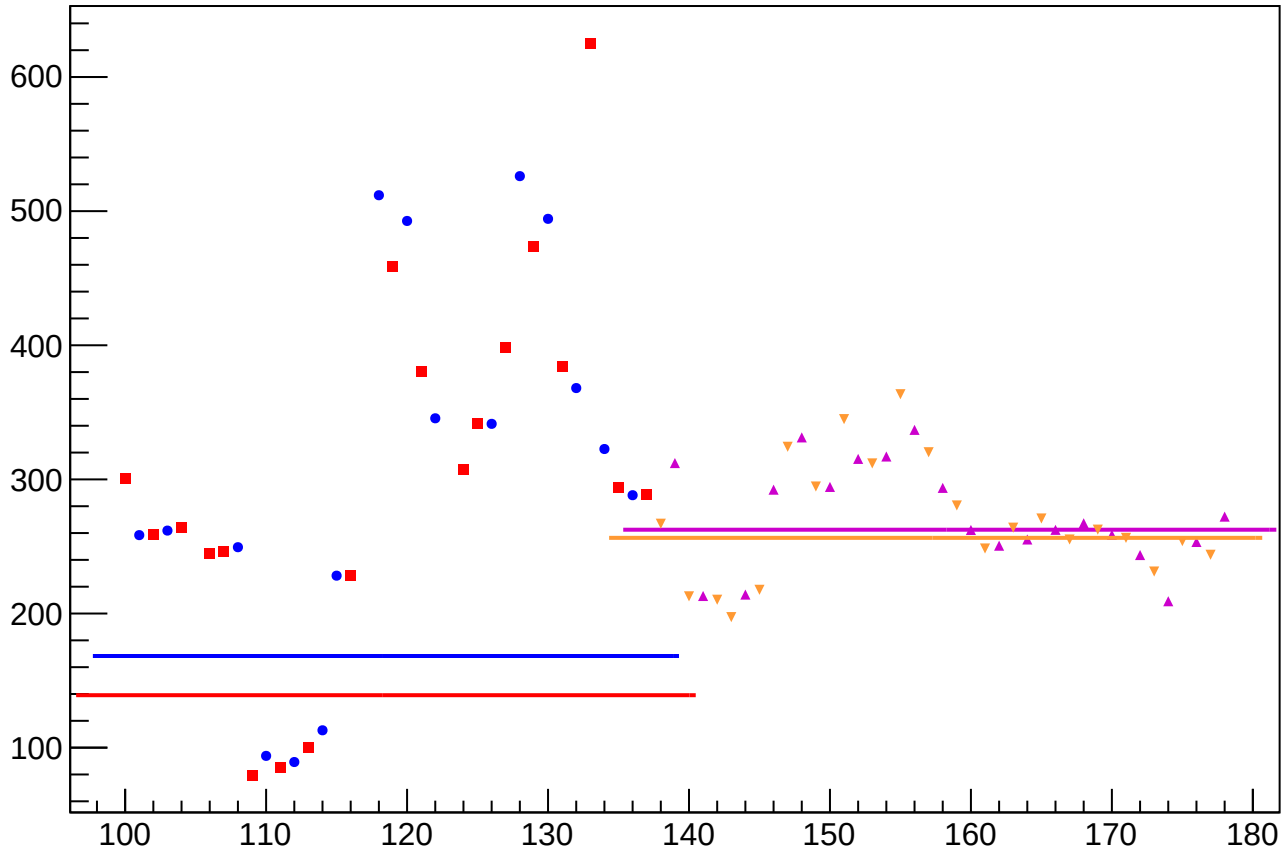
Left: -111.961+/-45.783 χ^2/NDF: 91.2/40

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -0.340+/-49.784 χ^2/NDF:45.5/35

Out: -151.051+/-45.209 χ^2/NDF:72.8/39

All: -82.937+/-33.469 χ^2/NDF: 123.3/75



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: 262.484+/-0.046 χ^2/NDF:669142.6/19

Left: 259.361+/-0.032 χ^2/NDF: 1502471.4/40

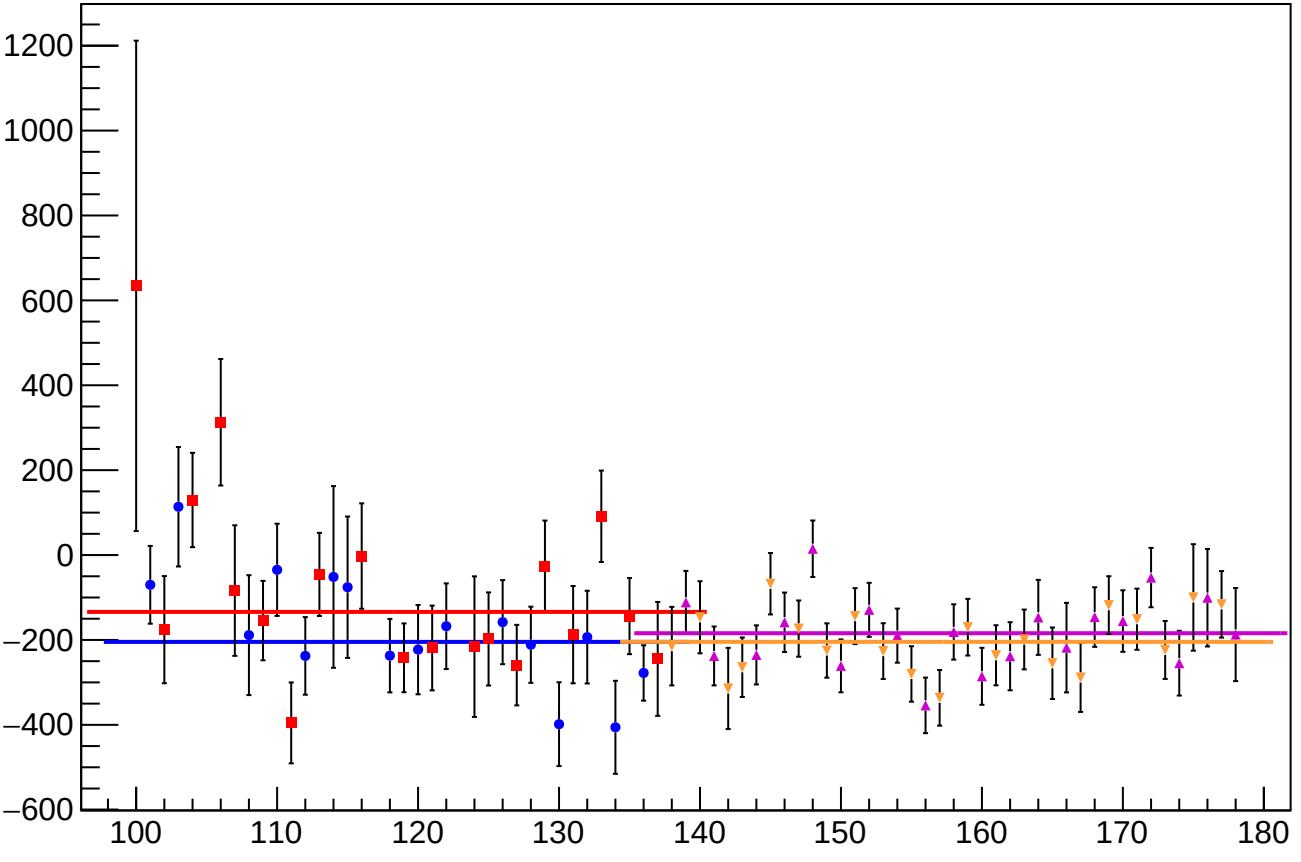
Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 222.308+/-0.035 χ^2/NDF:6963225.6/35

Out: 198.035+/-0.032 χ^2/NDF:9321368.8/39

All: 209.005+/-0.024 χ^2/NDF: 16545158.6/75

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: -184.164+/-16.289 χ^2/NDF:28.6/19

Left: -194.519+/-11.398 χ^2/NDF: 48.3/40

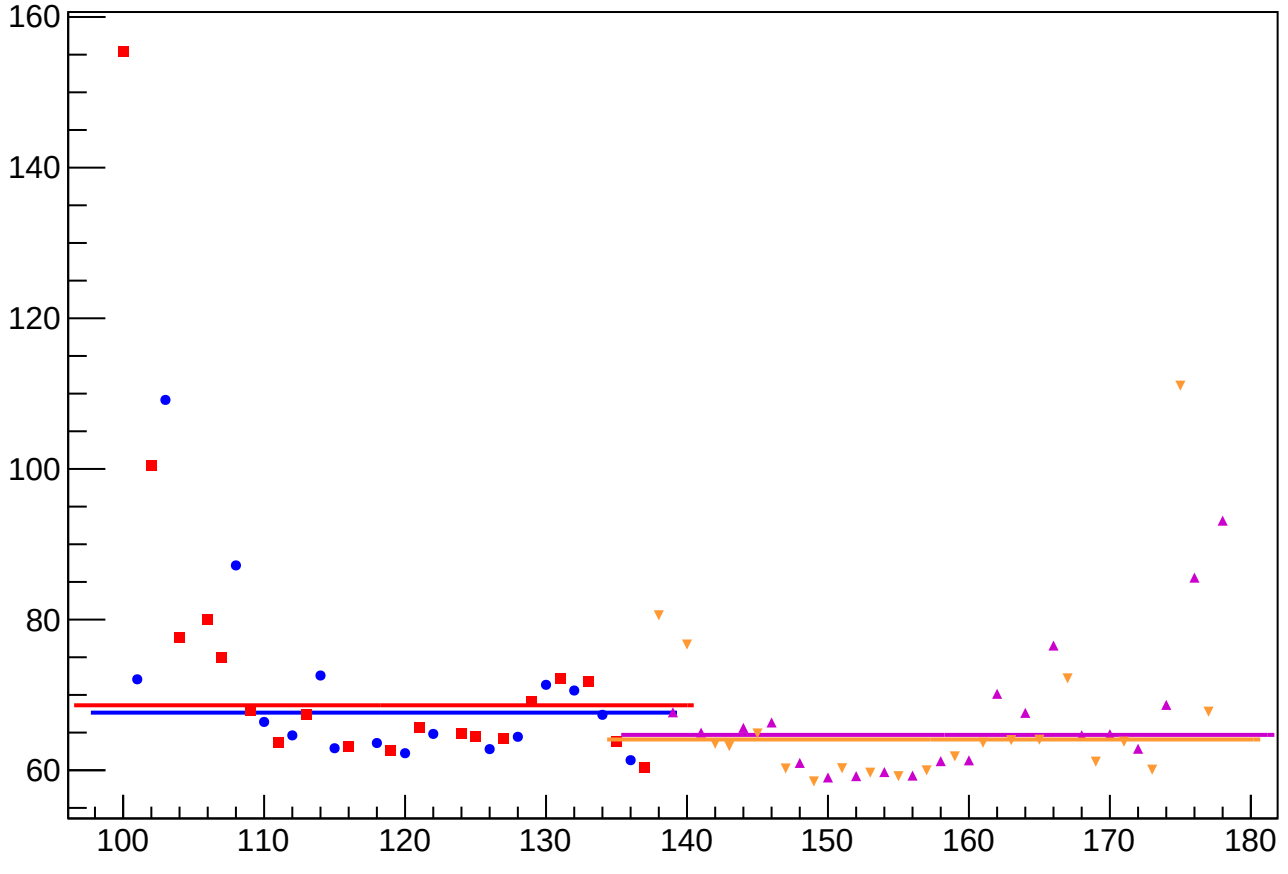
Right: -169.195+/-18.034 χ^2/NDF: 61.1/34

In: -190.072+/-13.731 χ^2/NDF:49.0/35

Out: -184.592+/-13.523 χ^2/NDF:61.6/39

All: -187.290+/-9.635 χ^2/NDF: 110.7/75

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: 64.695+/-0.012 χ^2/NDF:322757.5/19

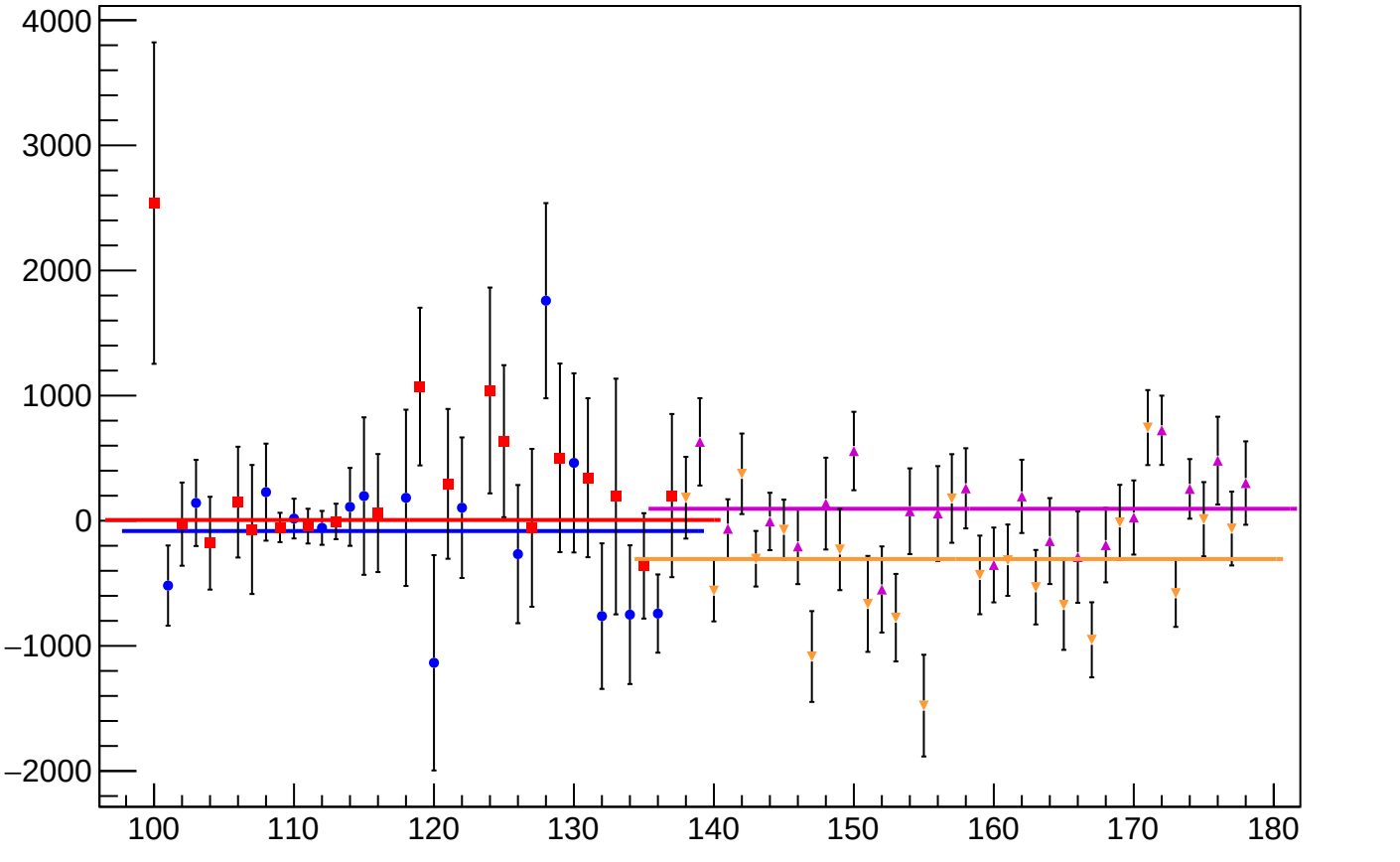
Left: 64.383+/-0.008 χ^2/NDF: 806877.8/40

Right: 68.136+/-0.013 χ^2/NDF: 513300.5/34

In: 65.549+/-0.010 χ^2/NDF:605445.7/35

Out: 65.363+/-0.010 χ^2/NDF:776439.8/39

All: 65.455+/-0.007 χ^2/NDF: 1382072.6/75



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: 95.569+/-67.935 χ^2/NDF:22.2/19

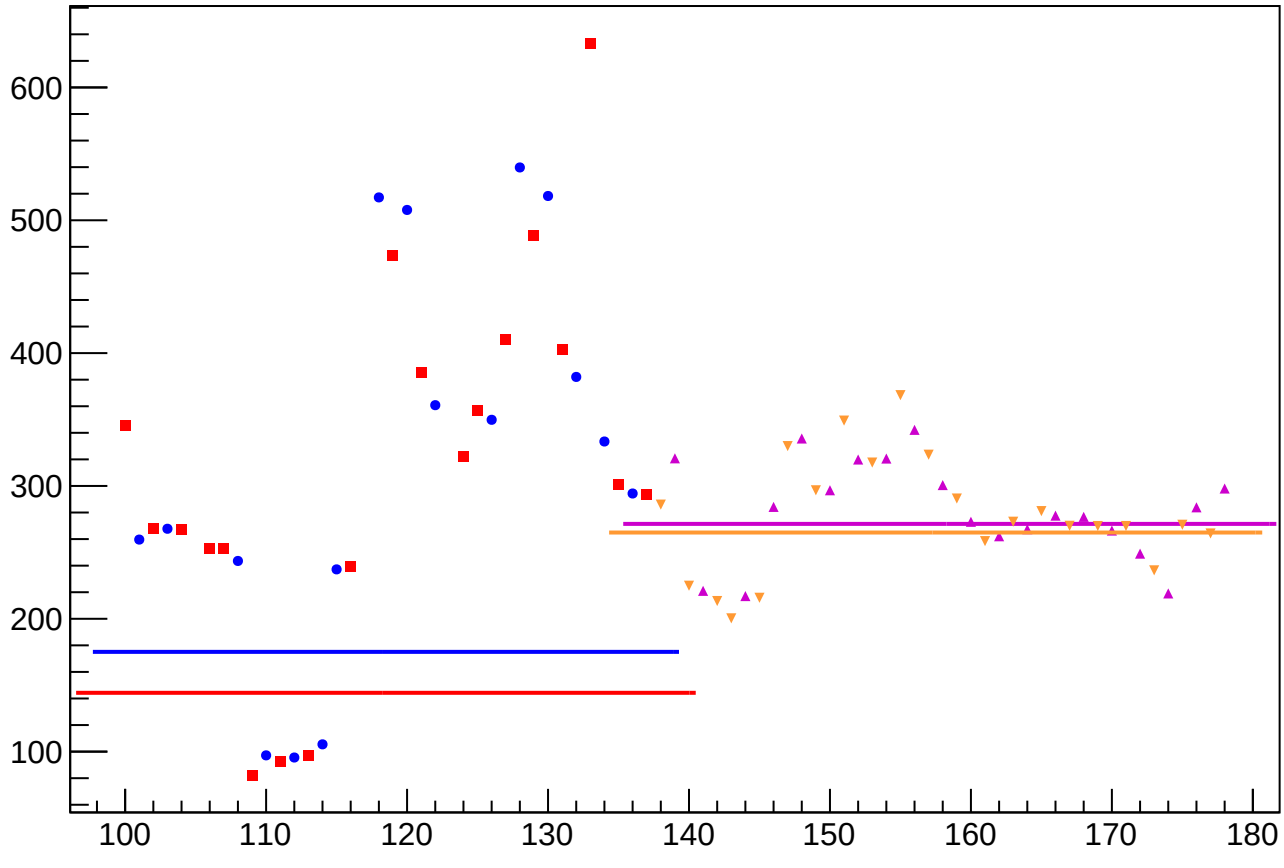
Left: -111.458+/-47.285 χ^2/NDF: 88.9/40

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: 19.627+/-51.419 χ^2/NDF:44.3/35

Out: -150.100+/-46.586 χ^2/NDF:72.0/39

All: -73.586+/-34.524 χ^2/NDF: 122.3/75



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: 271.438+/-0.048 χ^2/NDF:618092.2/19

Left: 268.088+/-0.033 χ^2/NDF: 1446649.7/40

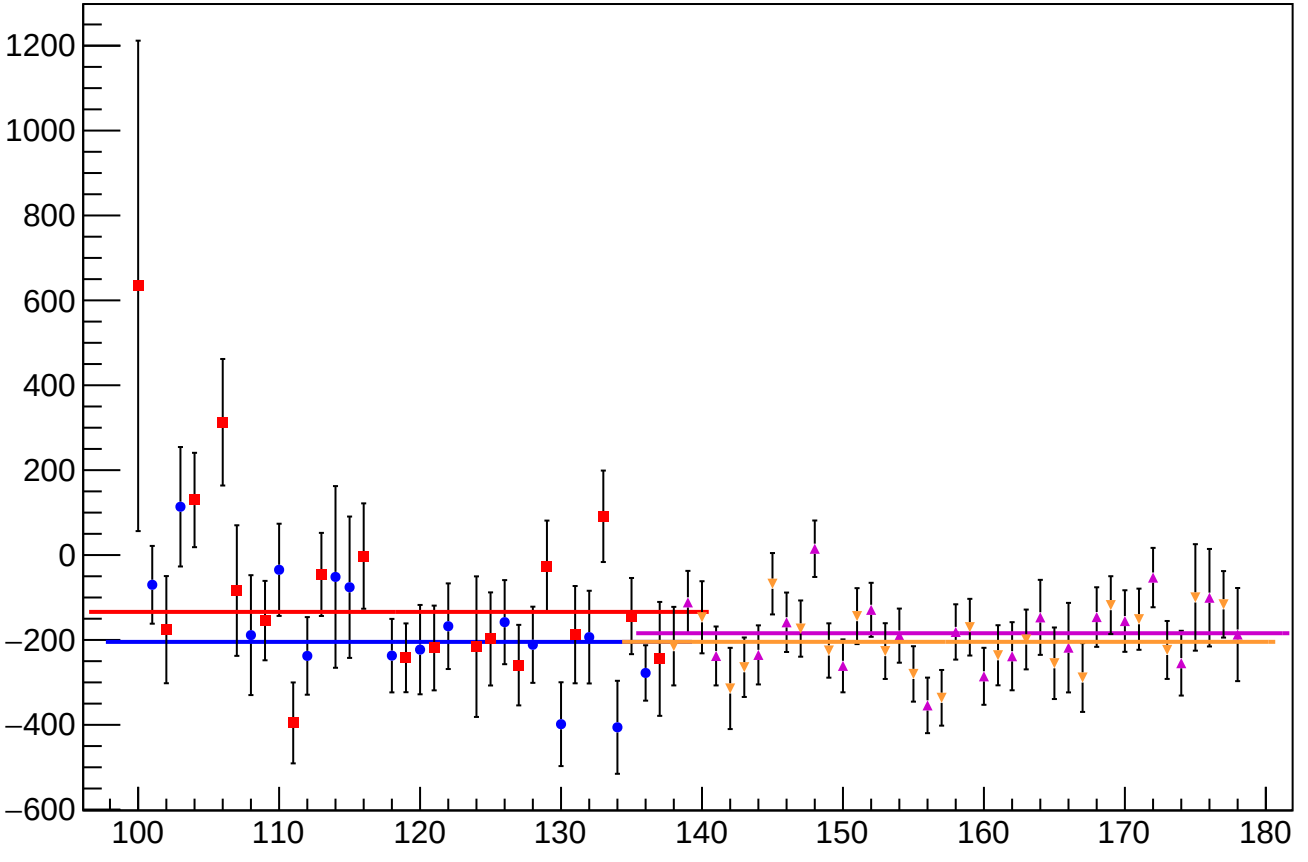
Right: 156.987+/-0.036 χ^2/NDF: 9741889.9/34

In: 230.289+/-0.036 χ^2/NDF:6765093.2/35

Out: 204.658+/-0.033 χ^2/NDF:9305866.0/39

All: 216.213+/-0.024 χ^2/NDF: 16343888.2/75

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: -184.166+/-16.289 χ^2/NDF:28.6/19

Left: -194.519+/-11.398 χ^2/NDF: 48.3/40

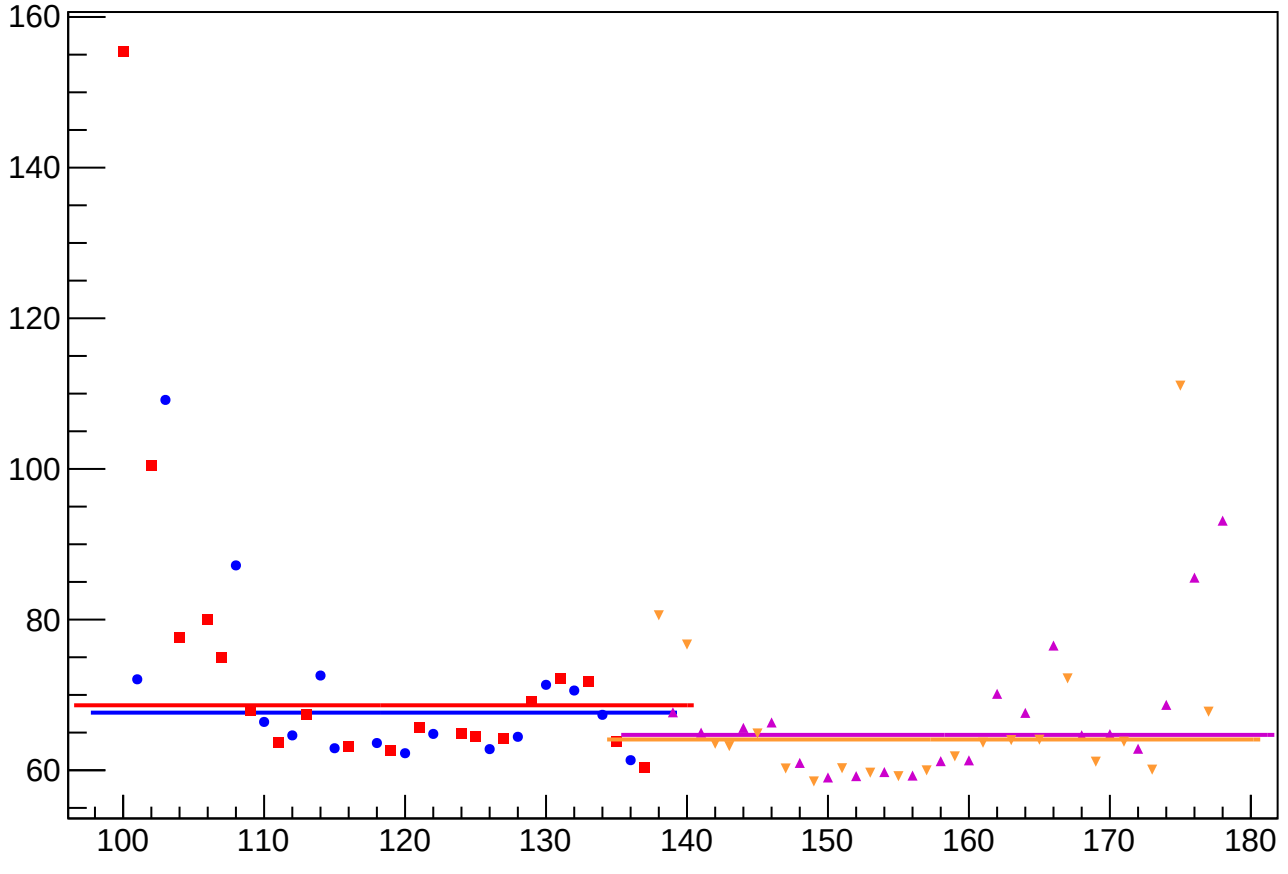
Right: -169.196+/-18.034 χ^2/NDF: 61.1/34

In: -190.073+/-13.731 χ^2/NDF:49.0/35

Out: -184.592+/-13.523 χ^2/NDF:61.6/39

All: -187.291+/-9.635 χ^2/NDF: 110.7/75

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: 64.695+/-0.012 χ^2/NDF:322754.7/19

Left: 64.383+/-0.008 χ^2/NDF: 806873.7/40

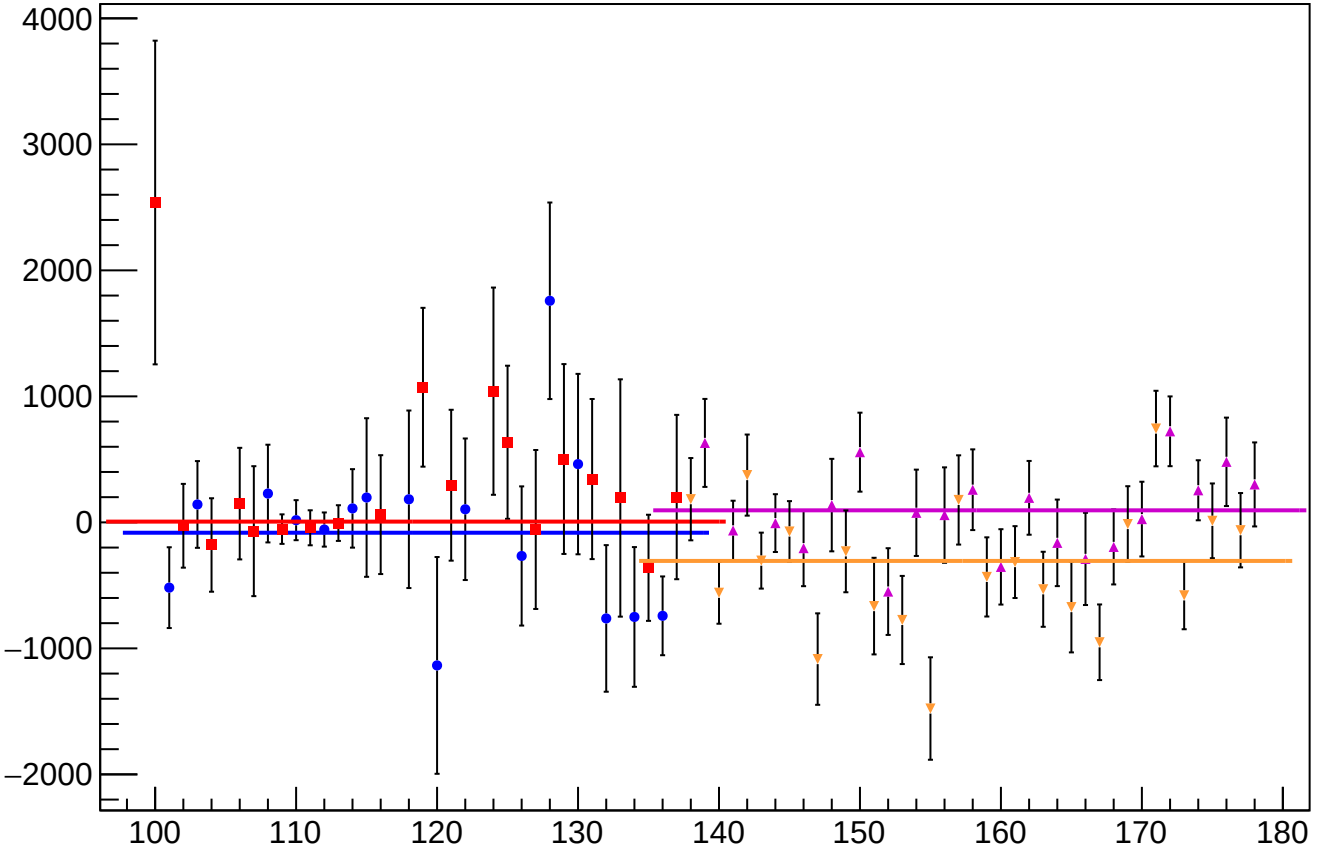
Right: 68.136+/-0.013 χ^2/NDF: 513301.0/34

In: 65.549+/-0.010 χ^2/NDF:605439.2/35

Out: 65.363+/-0.010 χ^2/NDF:776435.4/39

All: 65.455+/-0.007 χ^2/NDF: 1382061.8/75

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: 95.568+/-67.935 χ^2/NDF:22.2/19

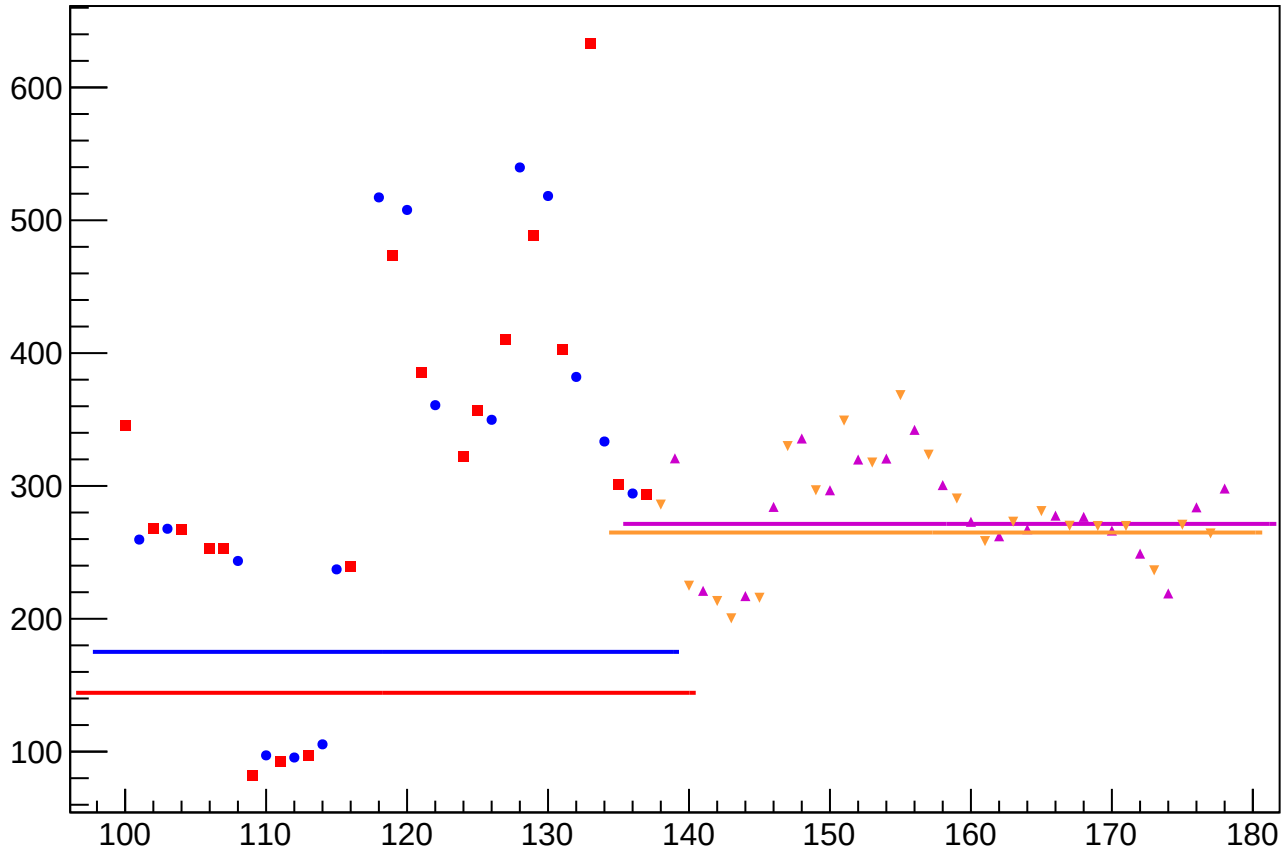
Left: -111.458+/-47.285 χ^2/NDF: 88.9/40

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: 19.627+/-51.419 χ^2/NDF:44.3/35

Out: -150.101+/-46.586 χ^2/NDF:72.0/39

All: -73.586+/-34.524 χ^2/NDF: 122.3/75



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: 271.437+/-0.048 χ^2/NDF:618097.3/19

Left: 268.087+/-0.033 χ^2/NDF: 1446664.3/40

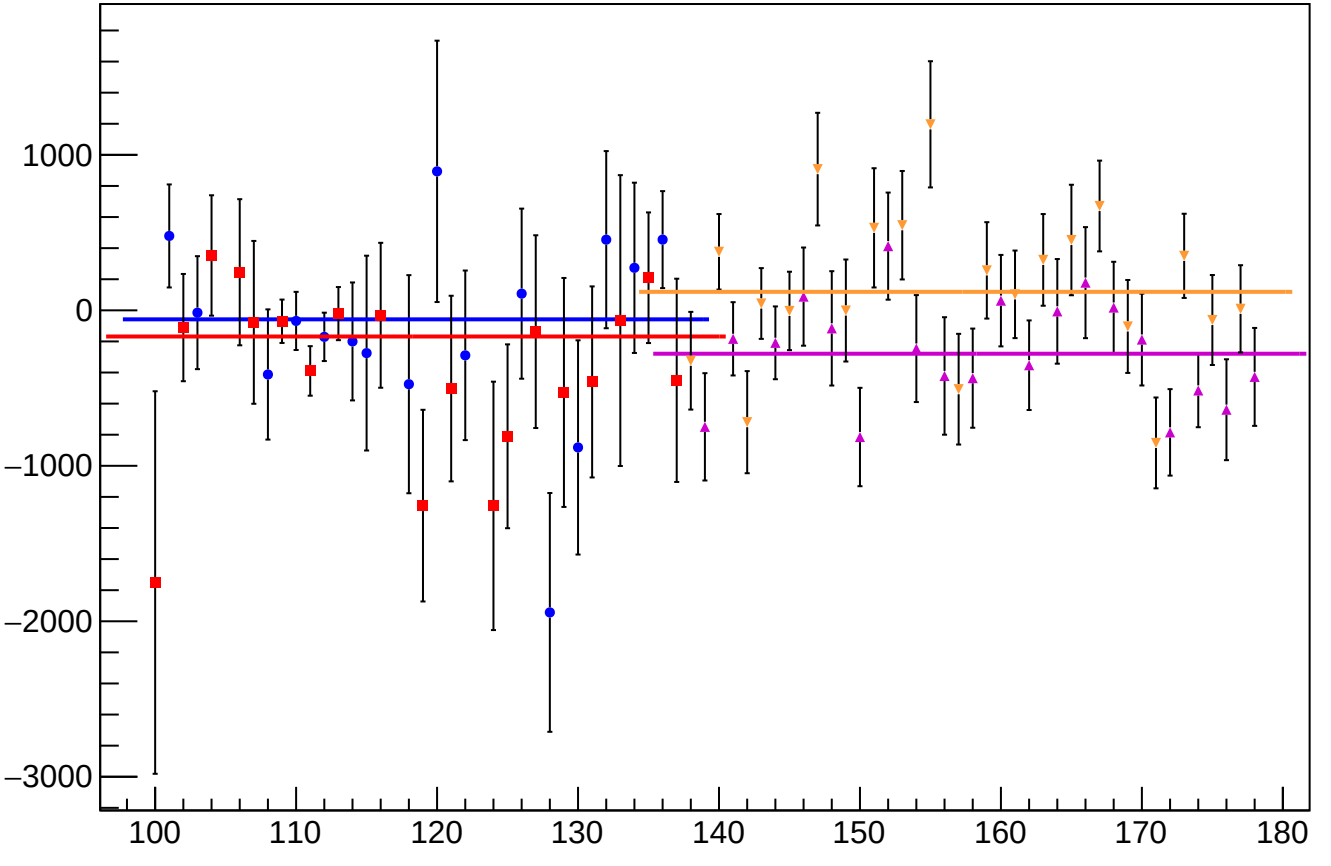
Right: 156.987+/-0.036 χ^2/NDF: 9741880.9/34

In: 230.288+/-0.036 χ^2/NDF:6765152.4/35

Out: 204.657+/-0.033 χ^2/NDF:9305837.4/39

All: 216.212+/-0.024 χ^2/NDF: 16343906.4/75

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: -279.105+/-67.508 χ^2/NDF:21.5/19

Left: -74.241+/-47.032 χ^2/NDF: 85.1/40

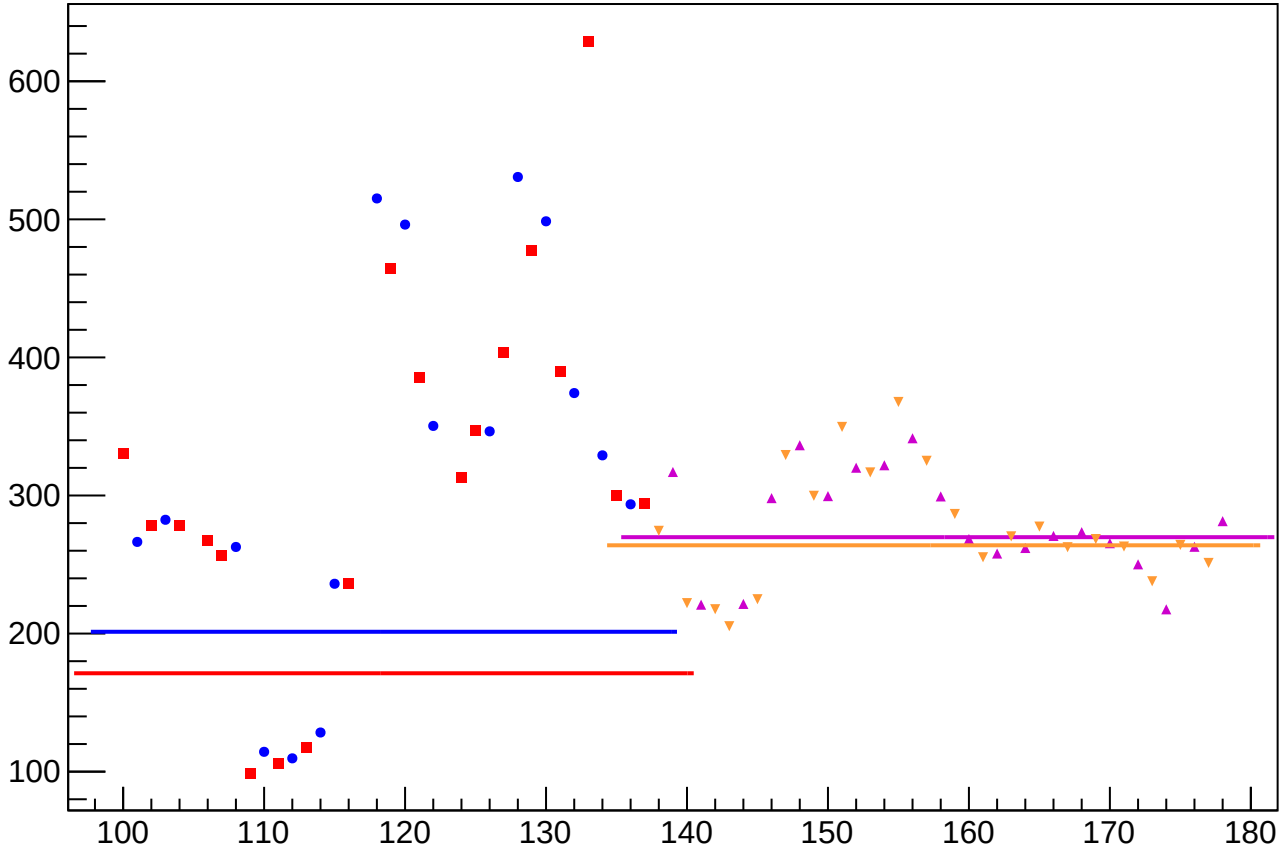
Right: -121.498+/-56.600 χ^2/NDF: 33.8/34

In: -195.867+/-53.310 χ^2/NDF:43.0/35

Out: -6.228+/-49.245 χ^2/NDF:69.6/39

All: -93.543+/-36.173 χ^2/NDF: 119.3/75

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: 269.816+/-0.048 χ^2/NDF:602022.6/19

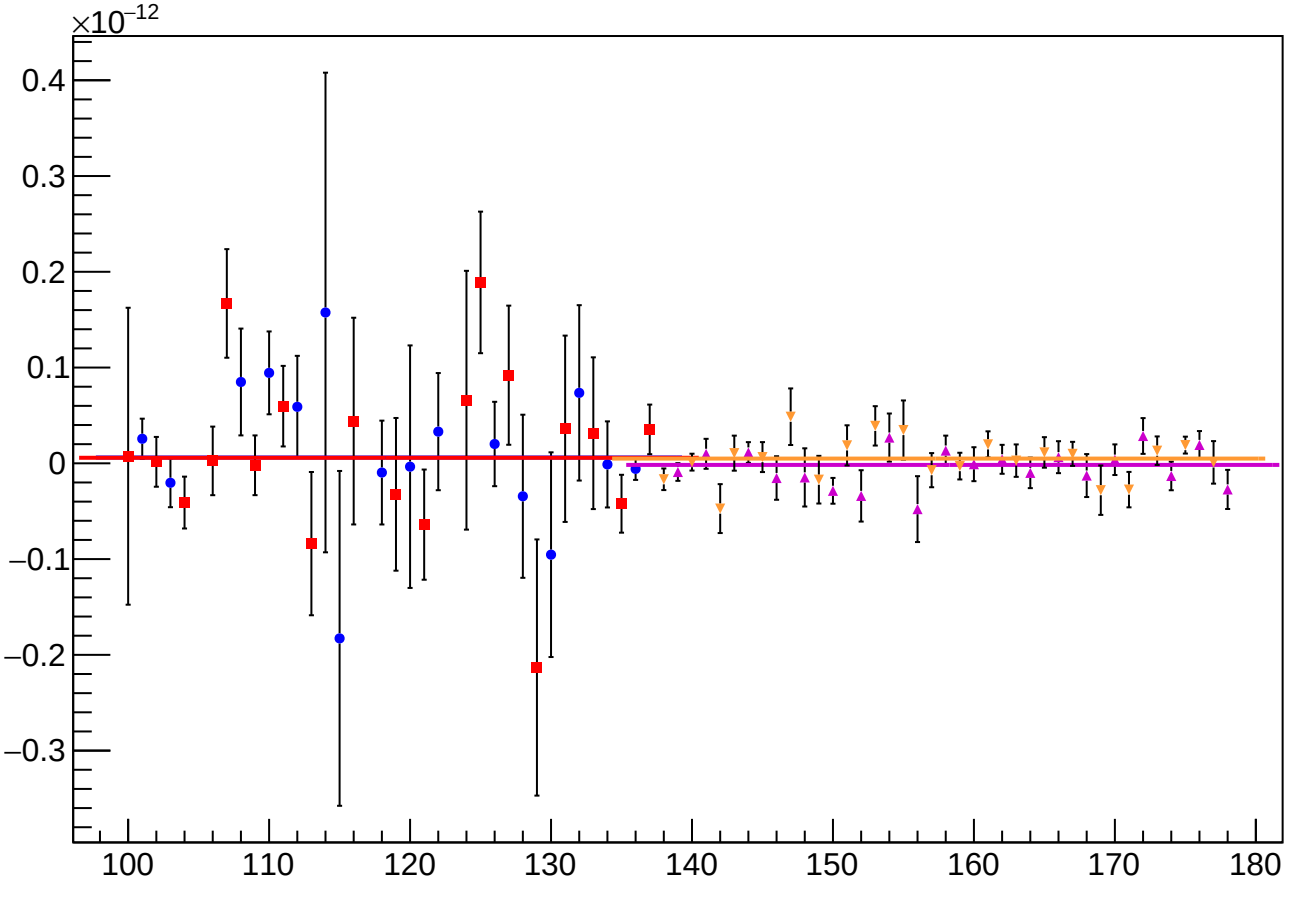
Left: 266.787+/-0.033 χ^2/NDF: 1356211.9/40

Right: 184.002+/-0.040 χ^2/NDF: 7902458.5/34

In: 244.026+/-0.038 χ^2/NDF:4949654.8/35

Out: 223.542+/-0.035 χ^2/NDF:6680669.7/39

All: 232.974+/-0.026 χ^2/NDF: 11789644.3/75



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:20.5/19

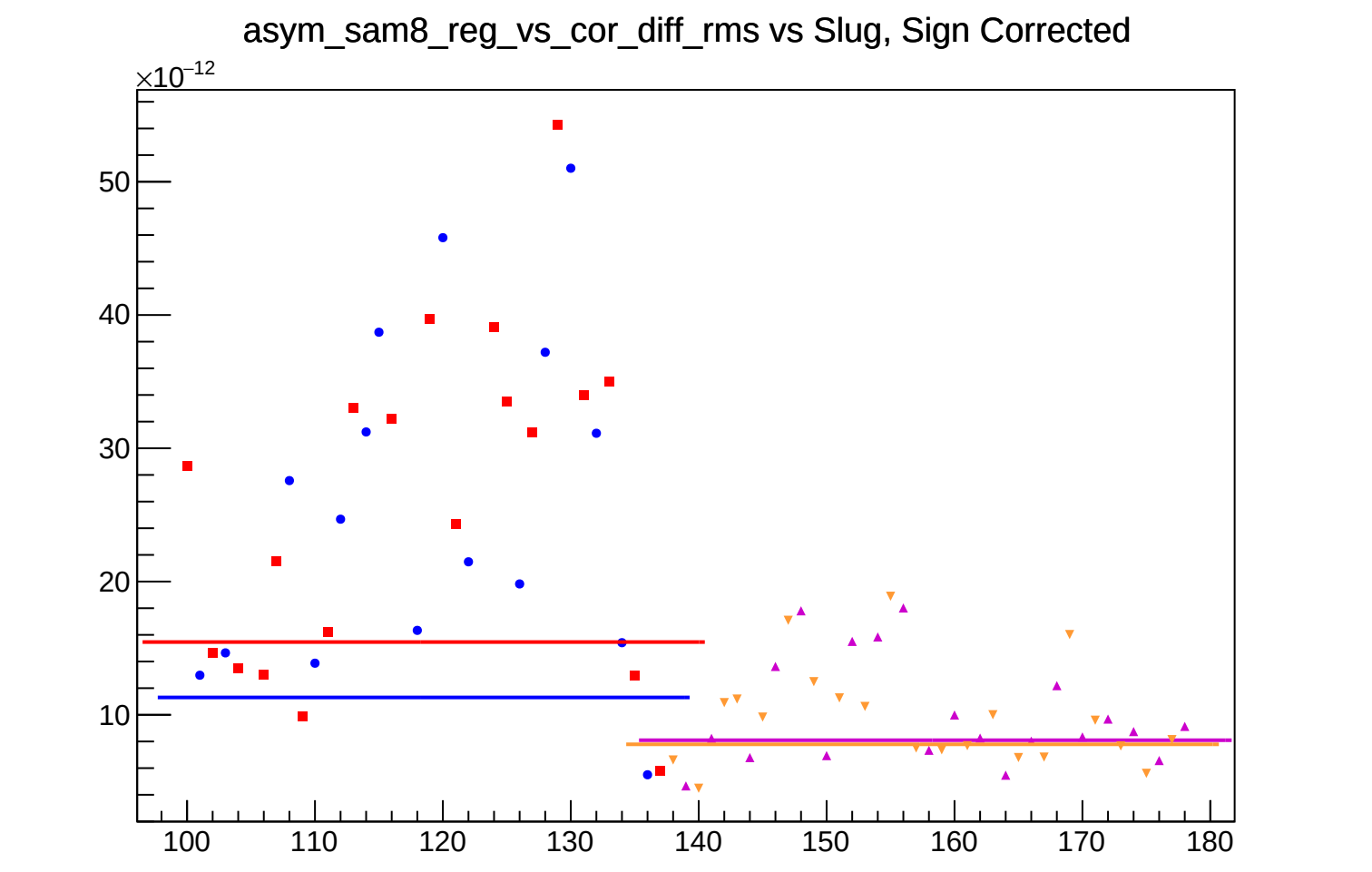
Left: 0.000+/-0.000 χ^2/NDF: 47.5/40

Right: 0.000+/-0.000 χ^2/NDF: 44.3/34

In: -0.000+/-0.000 χ^2/NDF:35.1/35

Out: 0.000+/-0.000 χ^2/NDF:55.7/39

All: 0.000+/-0.000 χ^2/NDF: 92.1/75



Right In: 0.000+/-0.000 χ^2/NDF: 1788731.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1458853.2/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1442096.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1346393.9/19

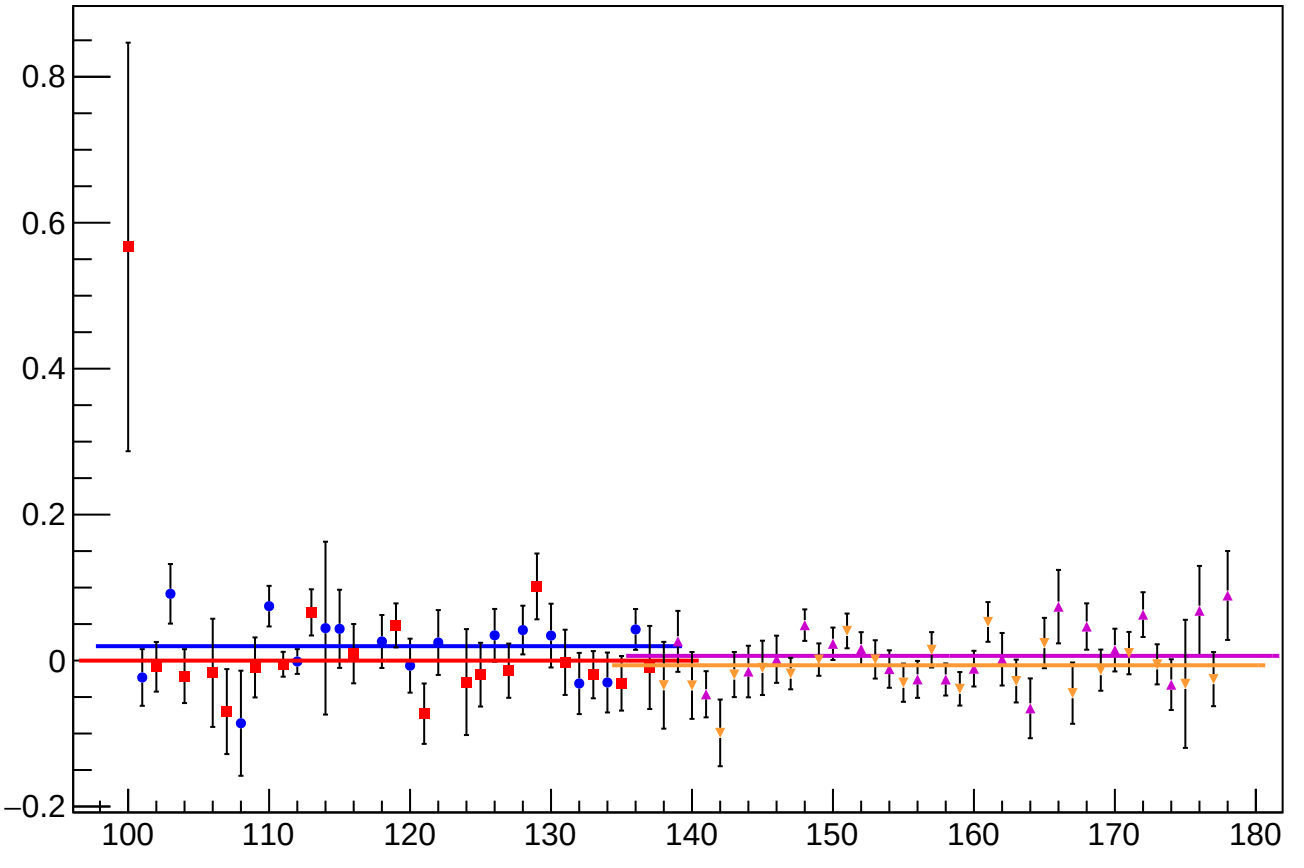
Left: 0.000+/-0.000 χ^2/NDF: 2813005.4/40

Right: 0.000+/-0.000 χ^2/NDF: 3431603.8/34

In: 0.000+/-0.000 χ^2/NDF:3388412.9/35

Out: 0.000+/-0.000 χ^2/NDF:3924008.2/39

All: 0.000+/-0.000 χ^2/NDF: 7312973.6/75



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: 0.006+/-0.007 χ^2/NDF:26.8/19

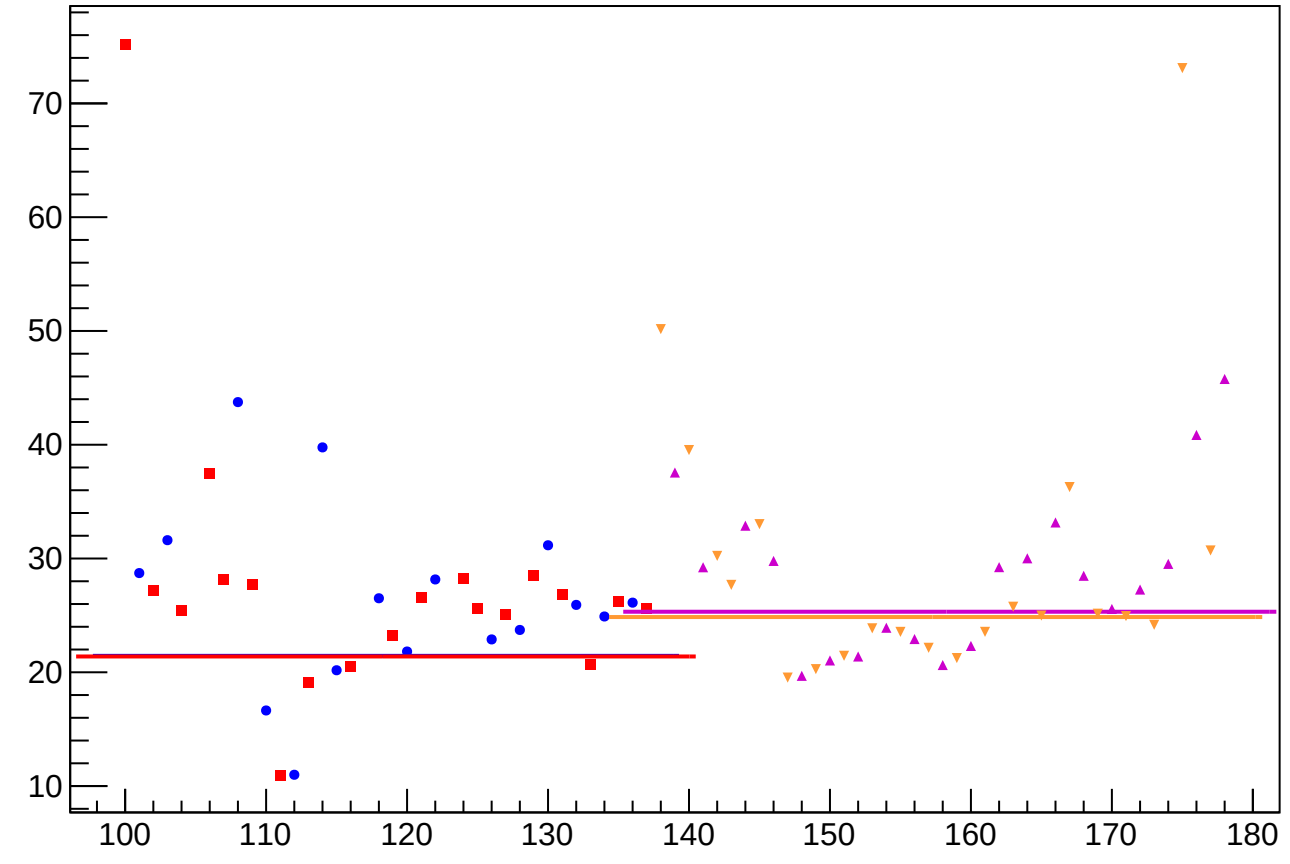
Left: -0.000+/-0.005 χ^2/NDF: 49.2/40

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.011+/-0.005 χ^2/NDF:45.3/35

Out: -0.004+/-0.005 χ^2/NDF:43.7/39

All: 0.003+/-0.004 χ^2/NDF: 93.4/75



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: 25.322+/-0.005 χ^2/NDF:1254921.9/19

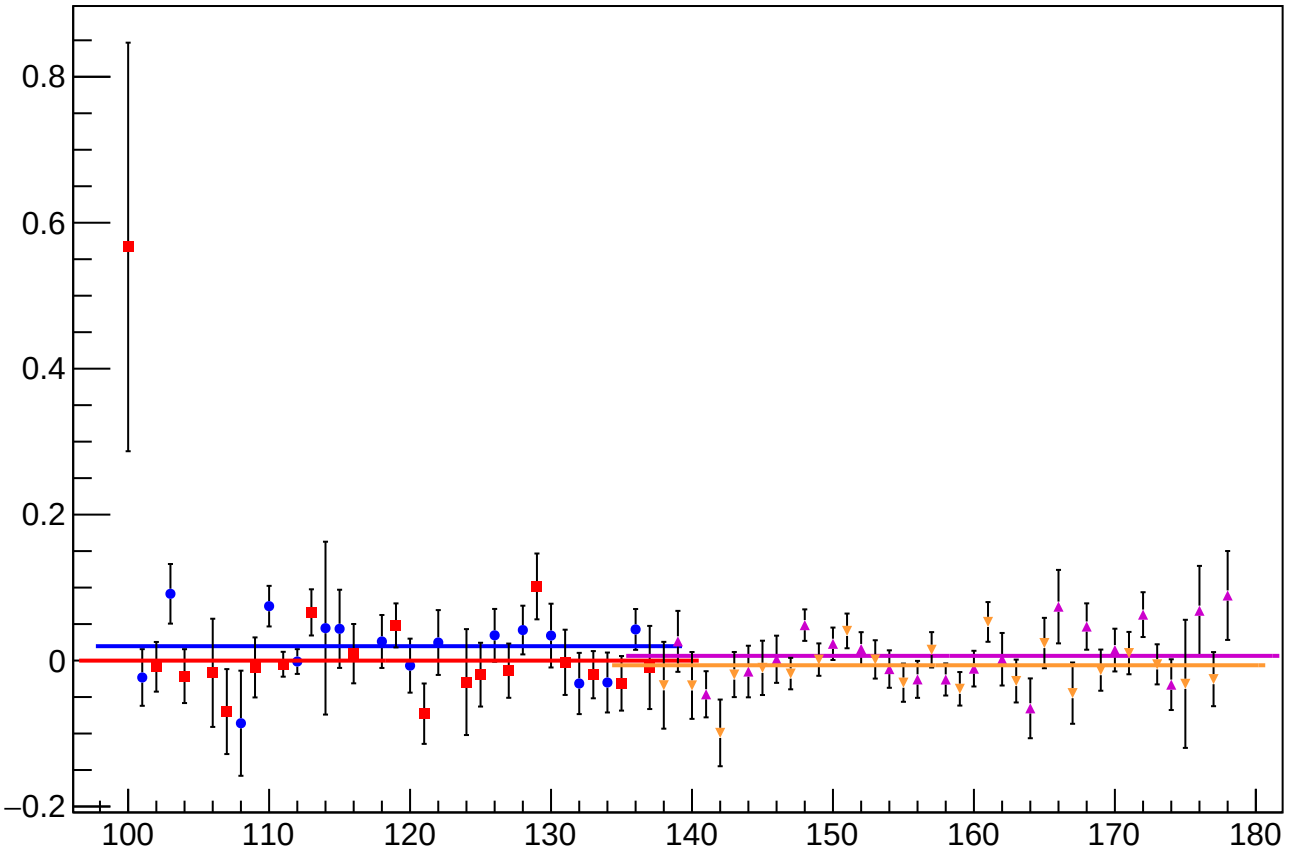
Left: 25.081+/-0.003 χ^2/NDF: 3108136.8/40

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 23.886+/-0.004 χ^2/NDF:3046728.6/35

Out: 23.588+/-0.004 χ^2/NDF:3370668.3/39

All: 23.733+/-0.003 χ^2/NDF: 6420645.6/75



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: 0.006+/-0.007 χ^2/NDF:26.8/19

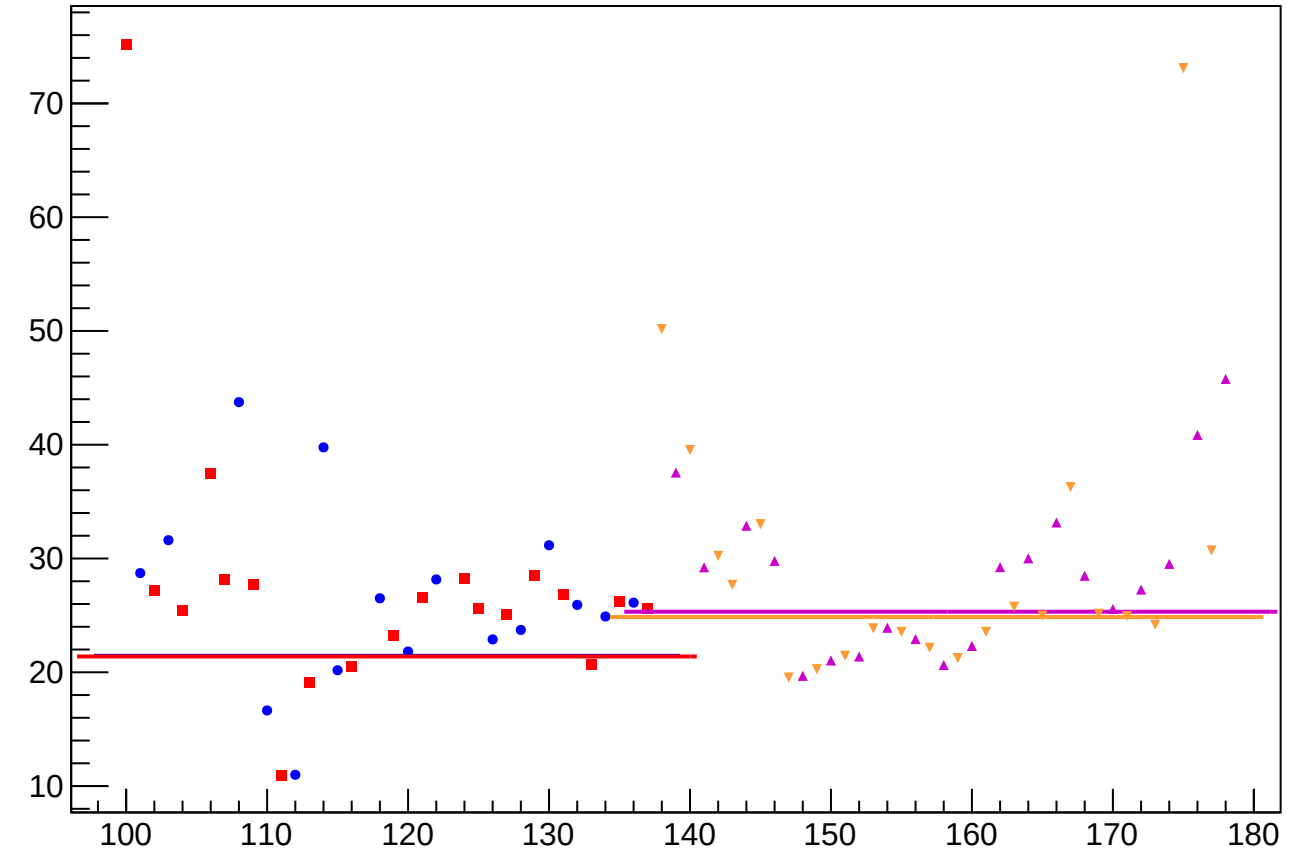
Left: -0.000+/-0.005 χ^2/NDF: 49.2/40

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.011+/-0.005 χ^2/NDF:45.3/35

Out: -0.004+/-0.005 χ^2/NDF:43.7/39

All: 0.003+/-0.004 χ^2/NDF: 93.4/75



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: 25.322+/-0.005 χ^2/NDF:1254921.9/19

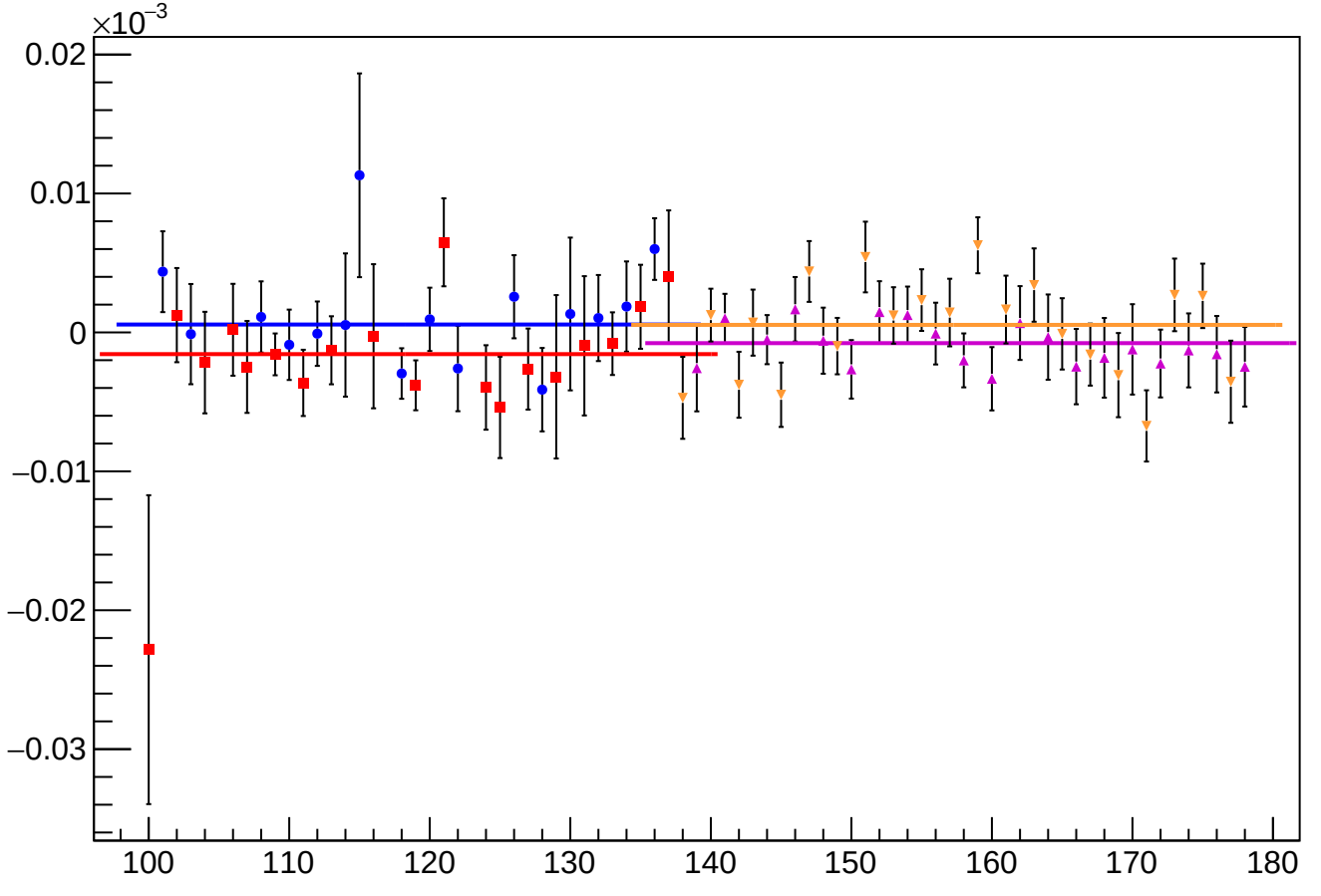
Left: 25.081+/-0.003 χ^2/NDF: 3108136.8/40

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 23.886+/-0.004 χ^2/NDF:3046728.6/35

Out: 23.588+/-0.004 χ^2/NDF:3370668.3/39

All: 23.733+/-0.003 χ^2/NDF: 6420645.6/75



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:8.7/19

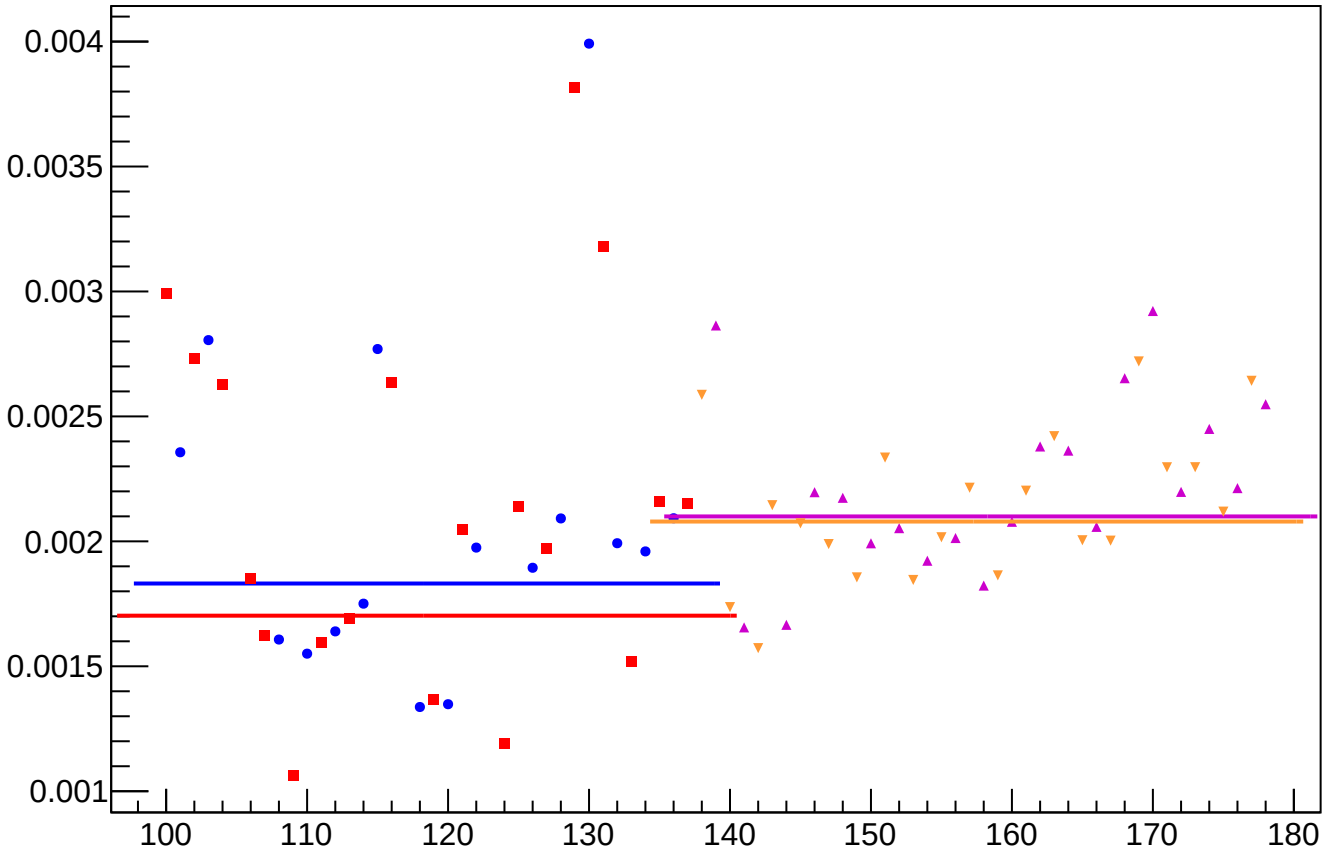
Left: -0.000+/-0.000 χ^2/NDF: 54.8/40

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: -0.000+/-0.000 χ^2/NDF:29.3/35

Out: -0.000+/-0.000 χ^2/NDF:67.5/39

All: -0.000+/-0.000 χ^2/NDF: 96.8/75



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:767809.2/19

Left: 0.002+/-0.000 χ^2/NDF: 1324567.5/40

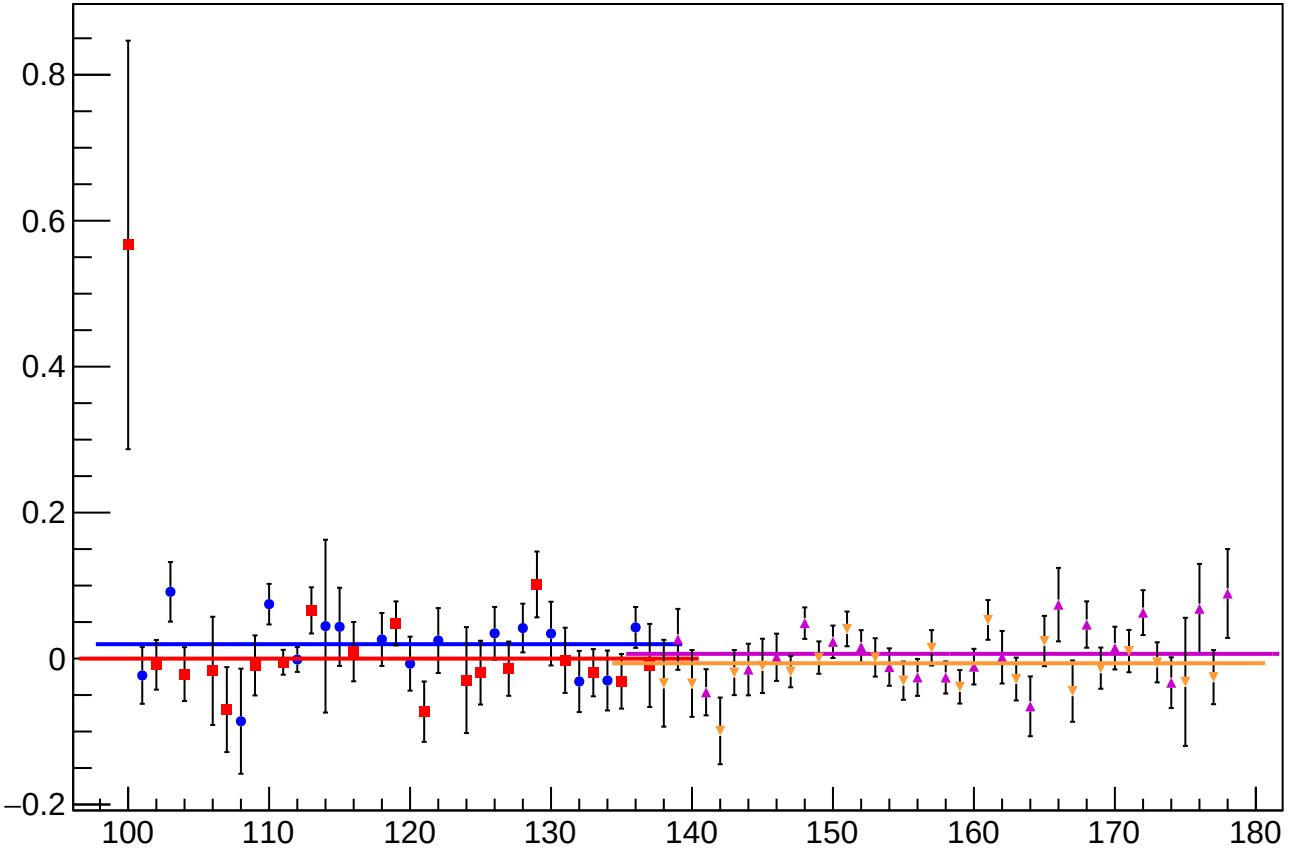
Right: 0.002+/-0.000 χ^2/NDF: 2413966.0/34

In: 0.002+/-0.000 χ^2/NDF:1853636.6/35

Out: 0.002+/-0.000 χ^2/NDF:2439022.6/39

All: 0.002+/-0.000 χ^2/NDF: 4318975.7/75

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: 0.006+/-0.007 χ^2/NDF:26.8/19

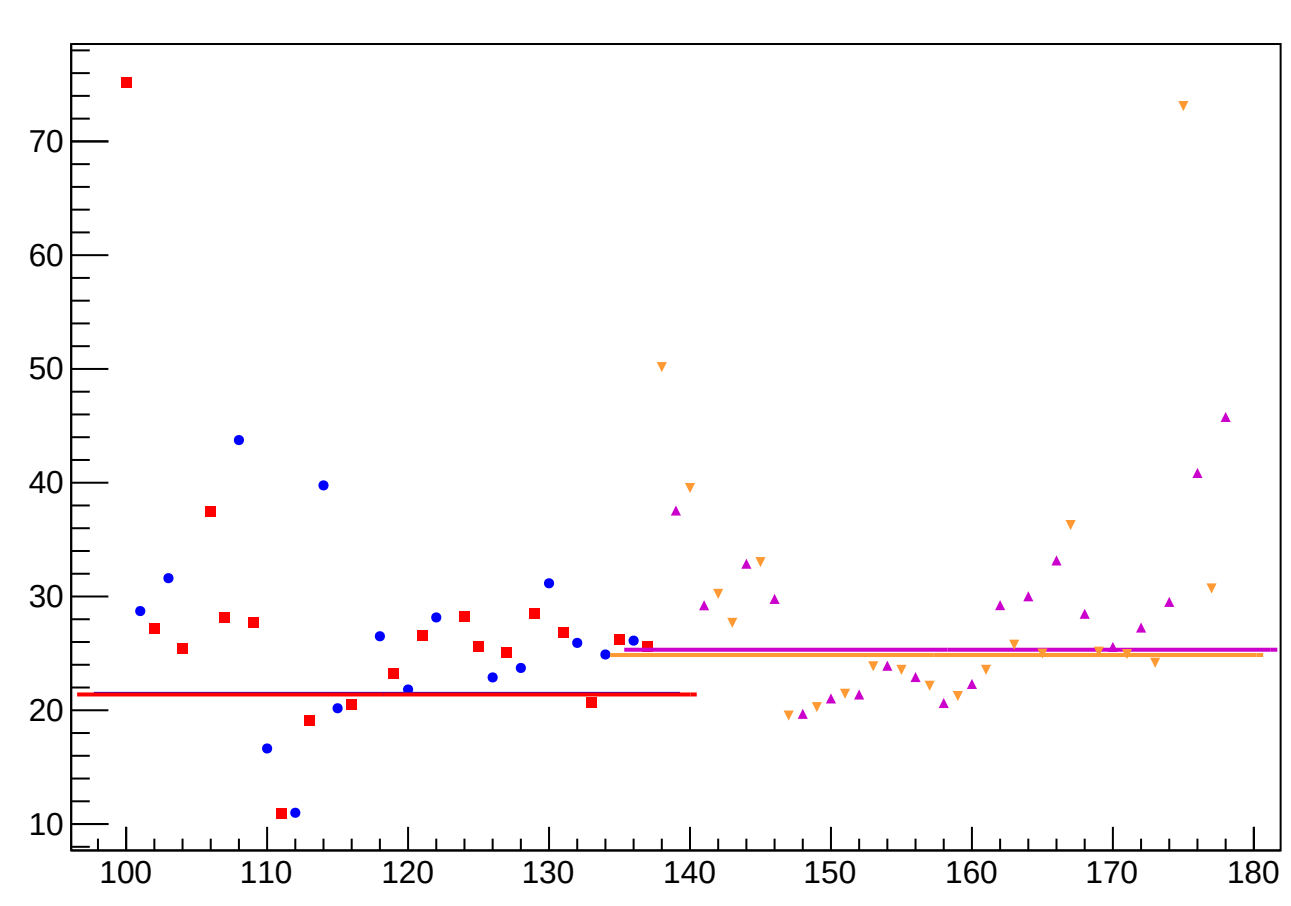
Left: -0.000+/-0.005 χ^2/NDF: 49.2/40

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.011+/-0.005 χ^2/NDF:45.3/35

Out: -0.004+/-0.005 χ^2/NDF:43.7/39

All: 0.003+/-0.004 χ^2/NDF: 93.4/75



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: 25.322+/-0.005 χ^2/NDF:1254911.2/19

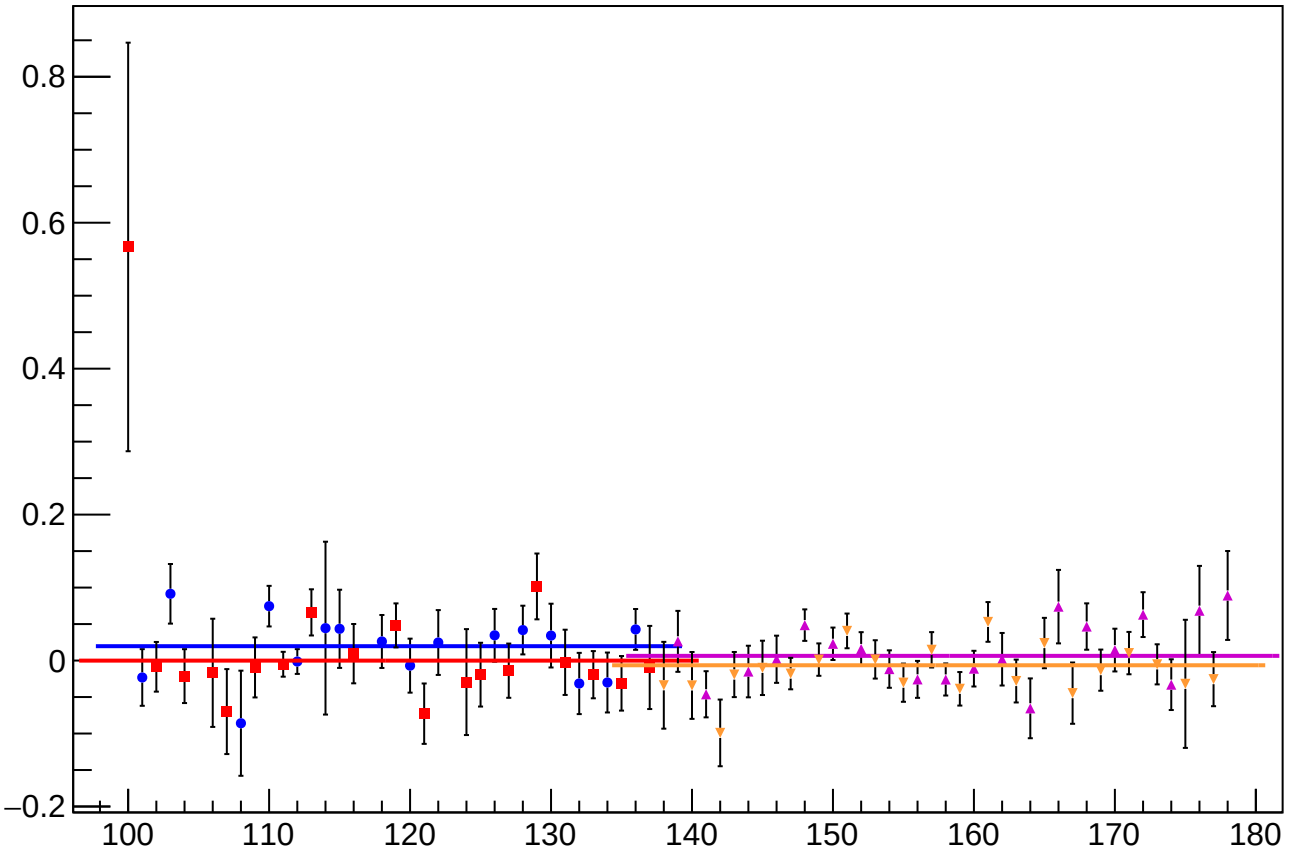
Left: 25.081+/-0.003 χ^2/NDF: 3108118.6/40

Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 23.885+/-0.004 χ^2/NDF:3046975.4/35

Out: 23.588+/-0.004 χ^2/NDF:3370878.8/39

All: 23.733+/-0.003 χ^2/NDF: 6421103.0/75



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: 0.006+/-0.007 χ^2/NDF:26.8/19

Left: -0.000+/-0.005 χ^2/NDF: 49.2/40

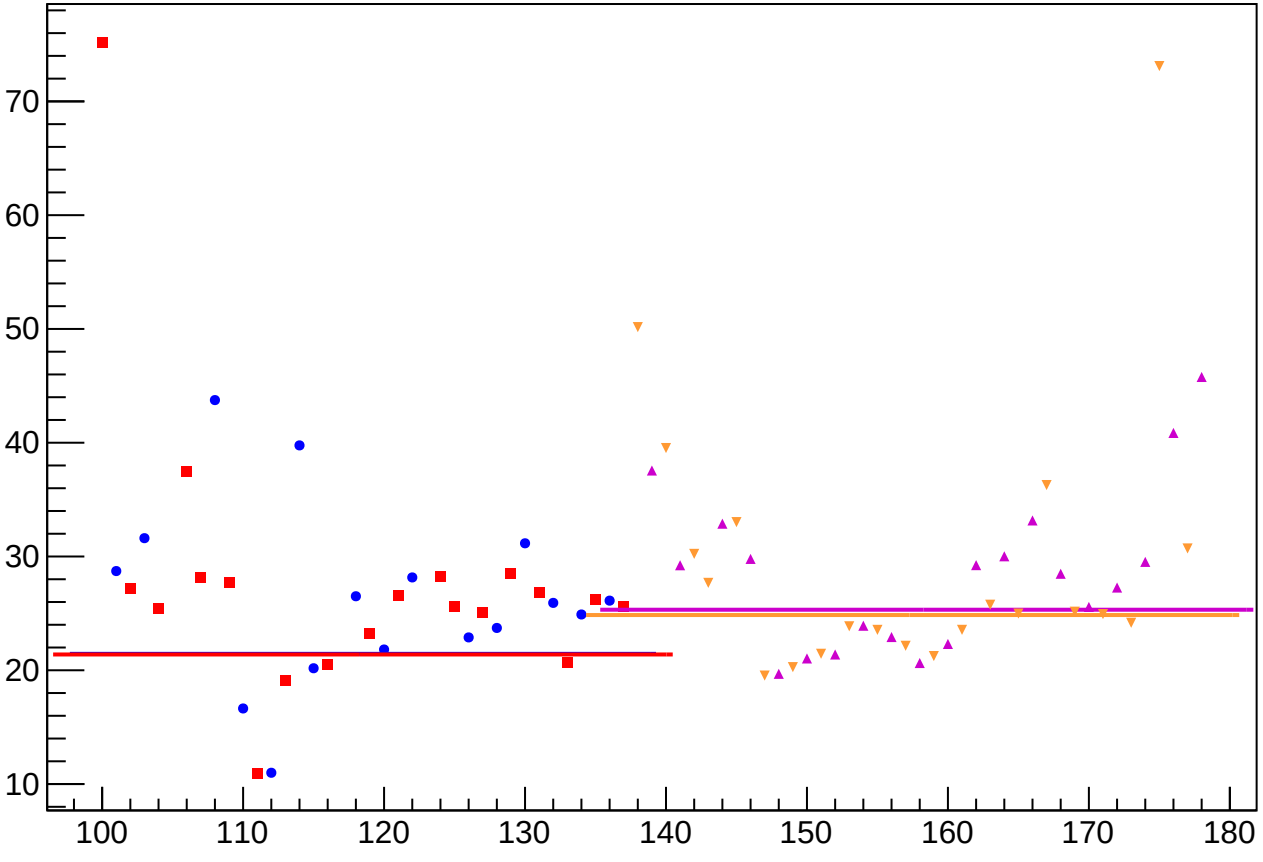
Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.011+/-0.005 χ^2/NDF:45.3/35

Out: -0.004+/-0.005 χ^2/NDF:43.7/39

All: 0.003+/-0.004 χ^2/NDF: 93.4/75

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.855+/-0.005 χ^2/NDF:1848129.2/20

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 25.322+/-0.005 χ^2/NDF:1254911.2/19

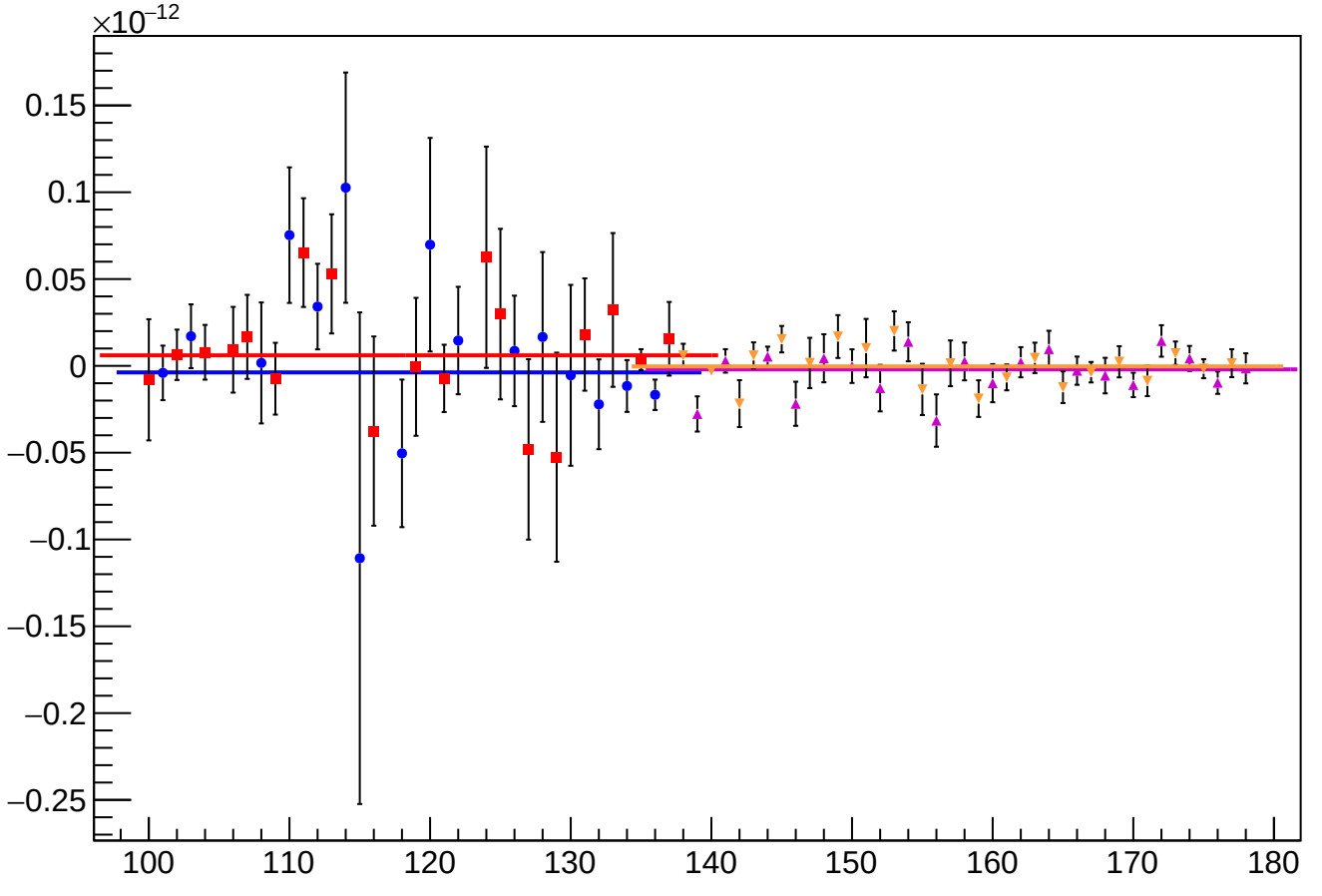
Left: 25.081+/-0.003 χ^2/NDF: 3108118.6/40

Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 23.885+/-0.004 χ^2/NDF:3046975.4/35

Out: 23.588+/-0.004 χ^2/NDF:3370878.8/39

All: 23.733+/-0.003 χ^2/NDF: 6421103.0/75



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:27.1/19

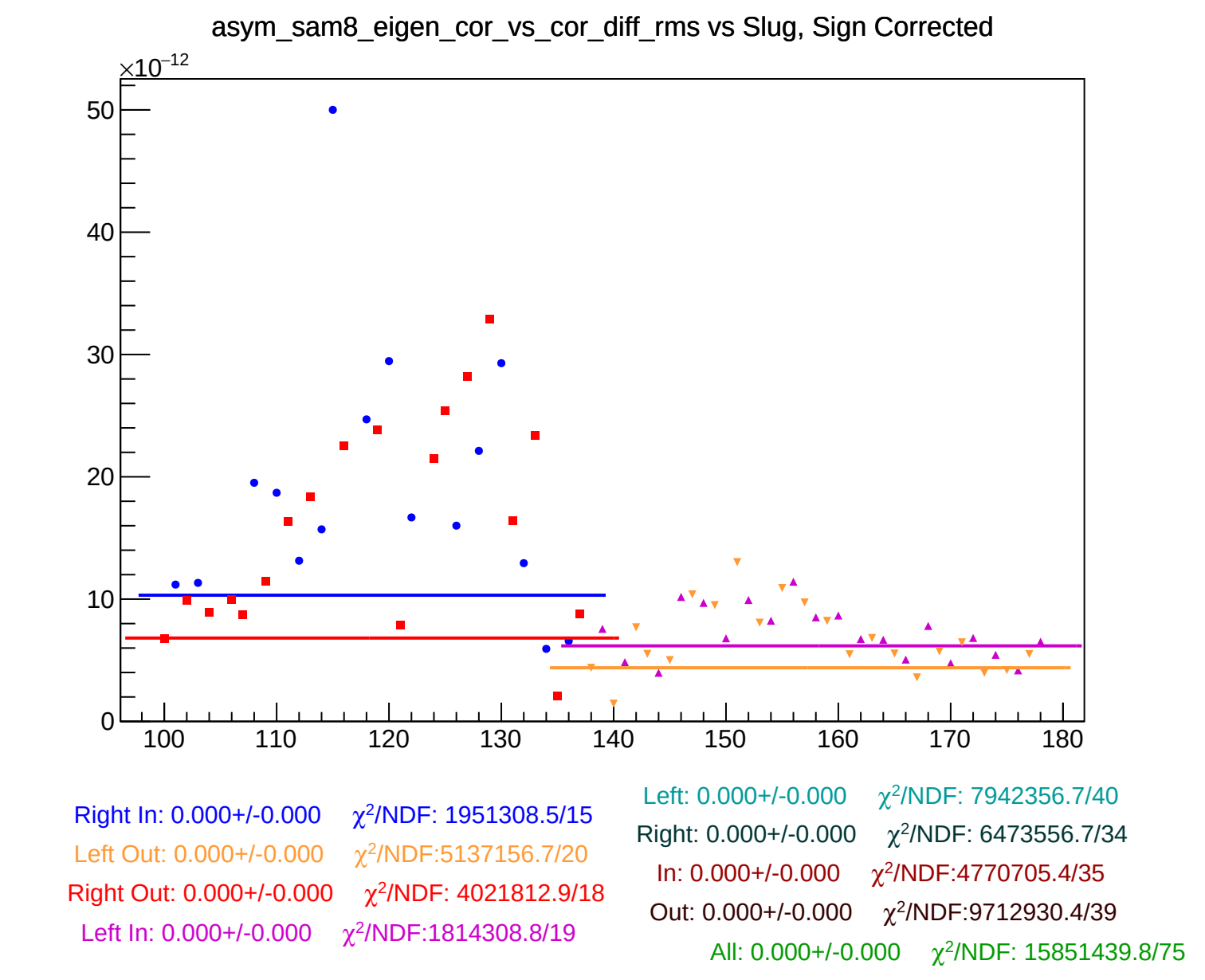
Left: -0.000+/-0.000 χ^2/NDF: 51.6/40

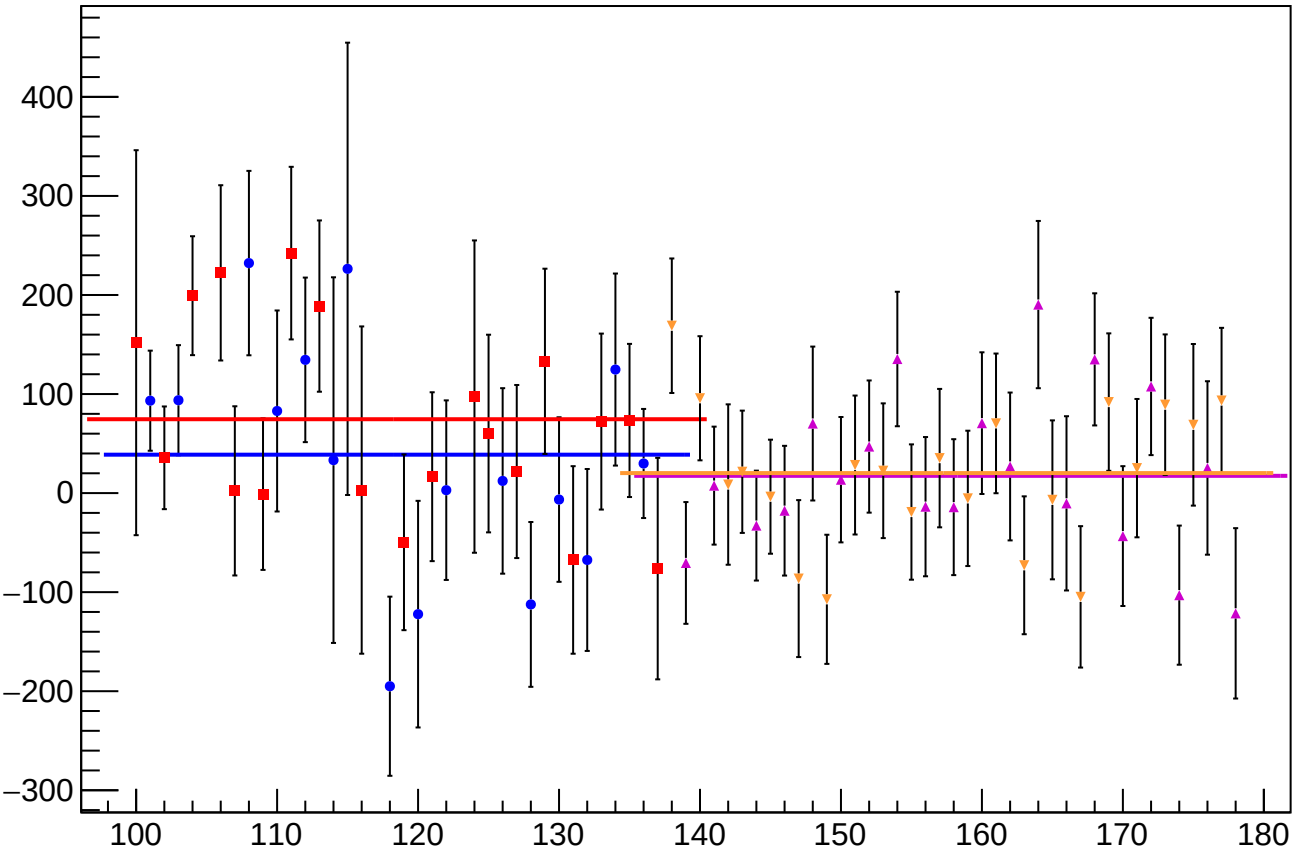
Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:44.3/35

Out: 0.000+/-0.000 χ^2/NDF:37.3/39

All: -0.000+/-0.000 χ^2/NDF: 82.9/75


asym_sam8_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1951308.5/15
Left Out: 0.000+/-0.000 χ²/NDF:5137156.7/20
Right Out: 0.000+/-0.000 χ²/NDF: 4021812.9/18
Left In: 0.000+/-0.000 χ²/NDF:1814308.8/19
Left: 0.000+/-0.000 χ²/NDF: 7942356.7/40
Right: 0.000+/-0.000 χ²/NDF: 6473556.7/34
In: 0.000+/-0.000 χ²/NDF:4770705.4/35
Out: 0.000+/-0.000 χ²/NDF:9712930.4/39
All: 0.000+/-0.000 χ²/NDF: 15851439.8/75



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: 17.426+/-15.573 χ^2/NDF:23.2/19

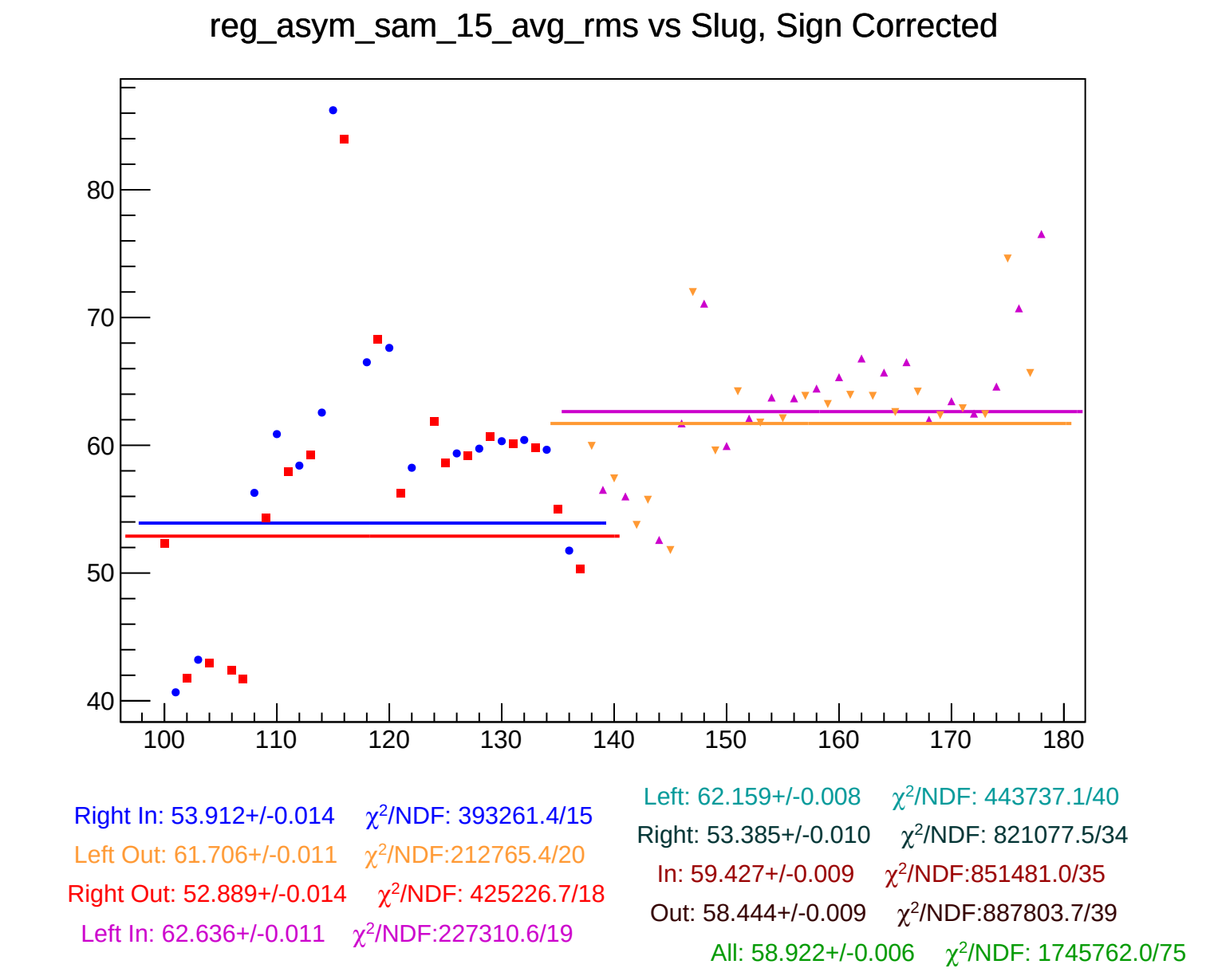
Left: 18.850+/-10.869 χ^2/NDF: 44.7/40

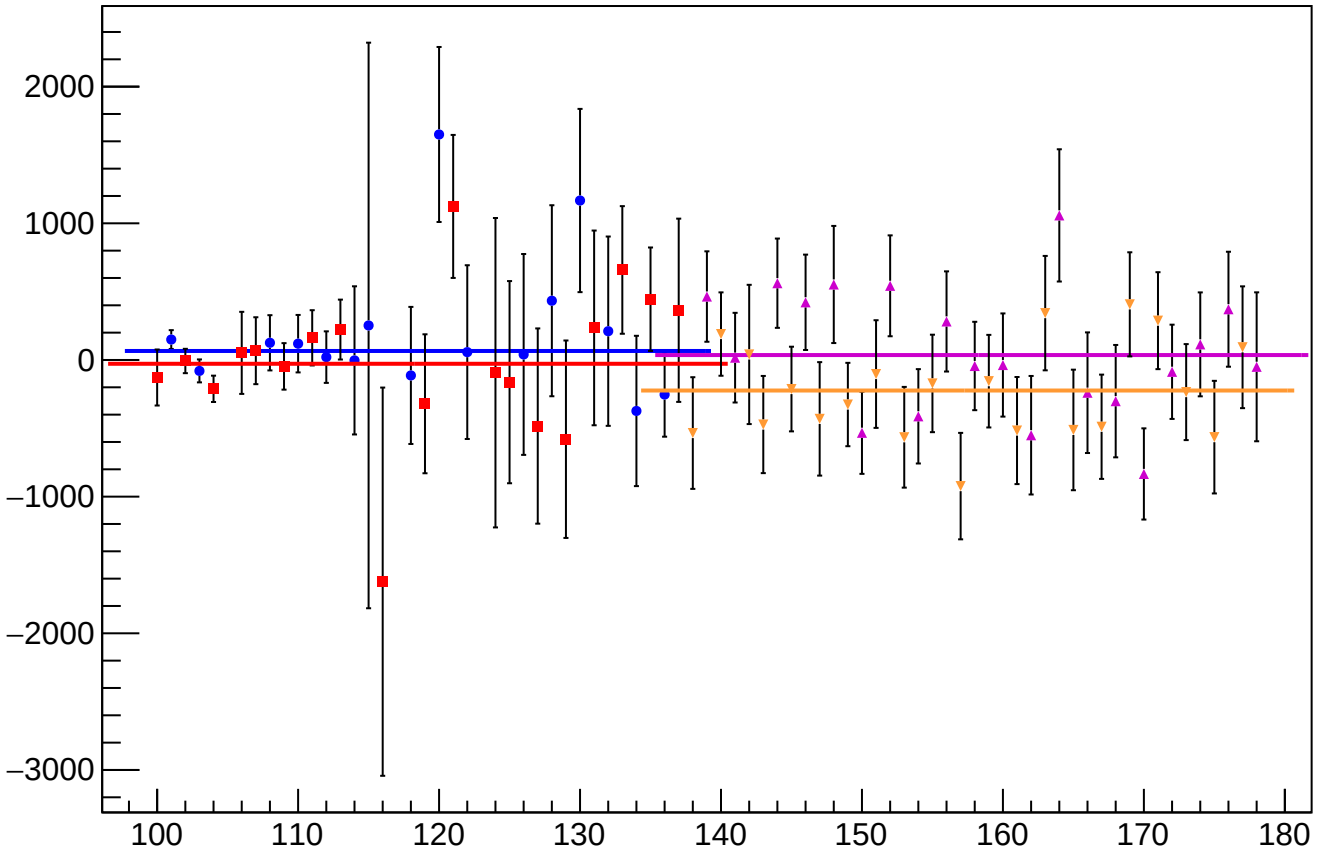
Right: 57.224+/-14.213 χ^2/NDF: 47.3/34

In: 25.283+/-12.381 χ^2/NDF:47.2/35

Out: 40.321+/-12.045 χ^2/NDF:48.7/39

All: 33.009+/-8.634 χ^2/NDF: 96.6/75


reg_asym_sam_15_avg_rms vs Slug, Sign Corrected
80
70
60
50
40
100
110
120
130
140
150
160
170
180
Right In: 53.912+/-0.014 χ²/NDF: 393261.4/15
Left Out: 61.706+/-0.011 χ²/NDF:212765.4/20
Right Out: 52.889+/-0.014 χ²/NDF: 425226.7/18
Left In: 62.636+/-0.011 χ²/NDF:227310.6/19
Left: 62.159+/-0.008 χ²/NDF: 443737.1/40
Right: 53.385+/-0.010 χ²/NDF: 821077.5/34
In: 59.427+/-0.009 χ²/NDF:851481.0/35
Out: 58.444+/-0.009 χ²/NDF:887803.7/39
All: 58.922+/-0.006 χ²/NDF: 1745762.0/75



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: 36.005+/-82.691 χ^2/NDF:29.6/19

Left: -95.621+/-58.045 χ^2/NDF: 51.7/40

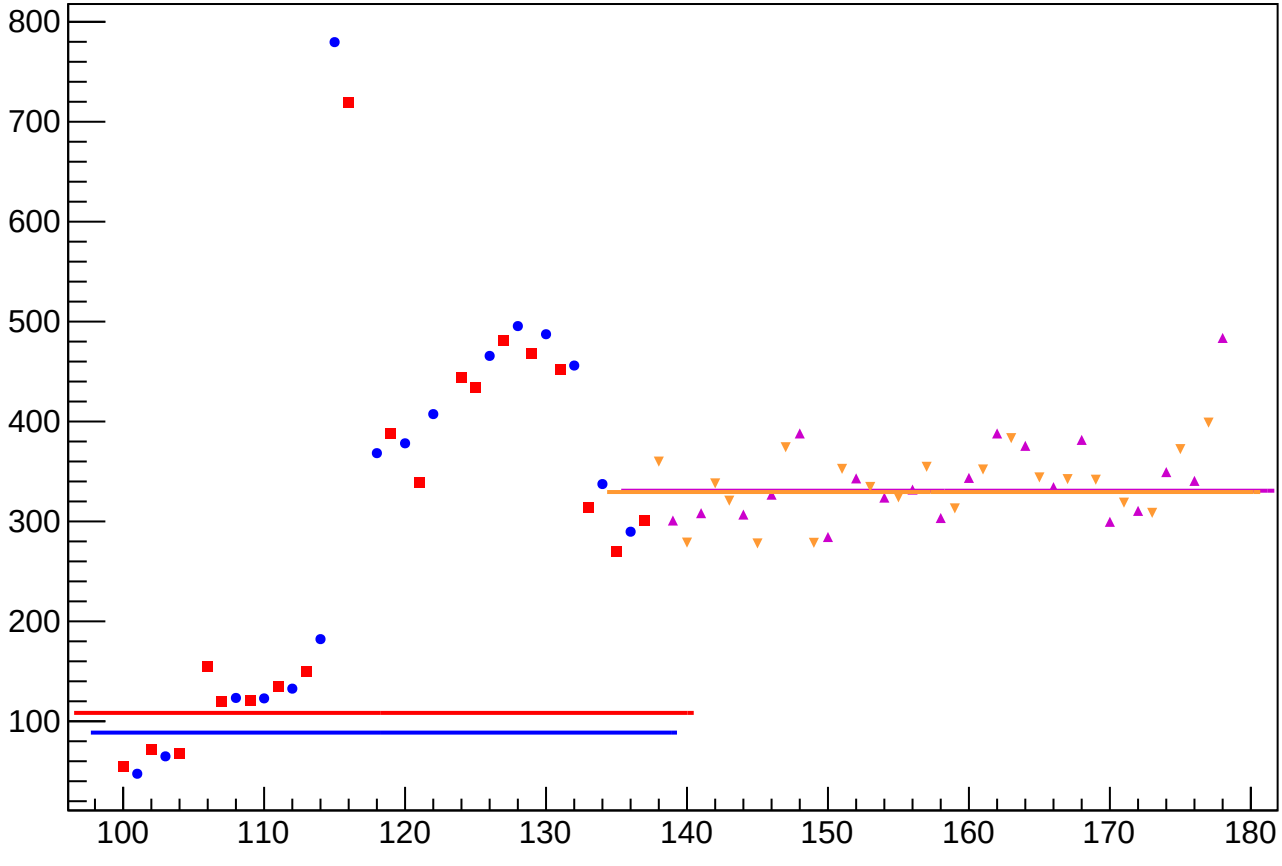
Right: 22.688+/-34.134 χ^2/NDF: 35.6/34

In: 58.687+/-40.517 χ^2/NDF:45.4/35

Out: -81.800+/-42.798 χ^2/NDF:39.3/39

All: -7.712+/-29.423 χ^2/NDF: 90.4/75

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: 330.741+/-0.058 χ^2/NDF:410024.5/19

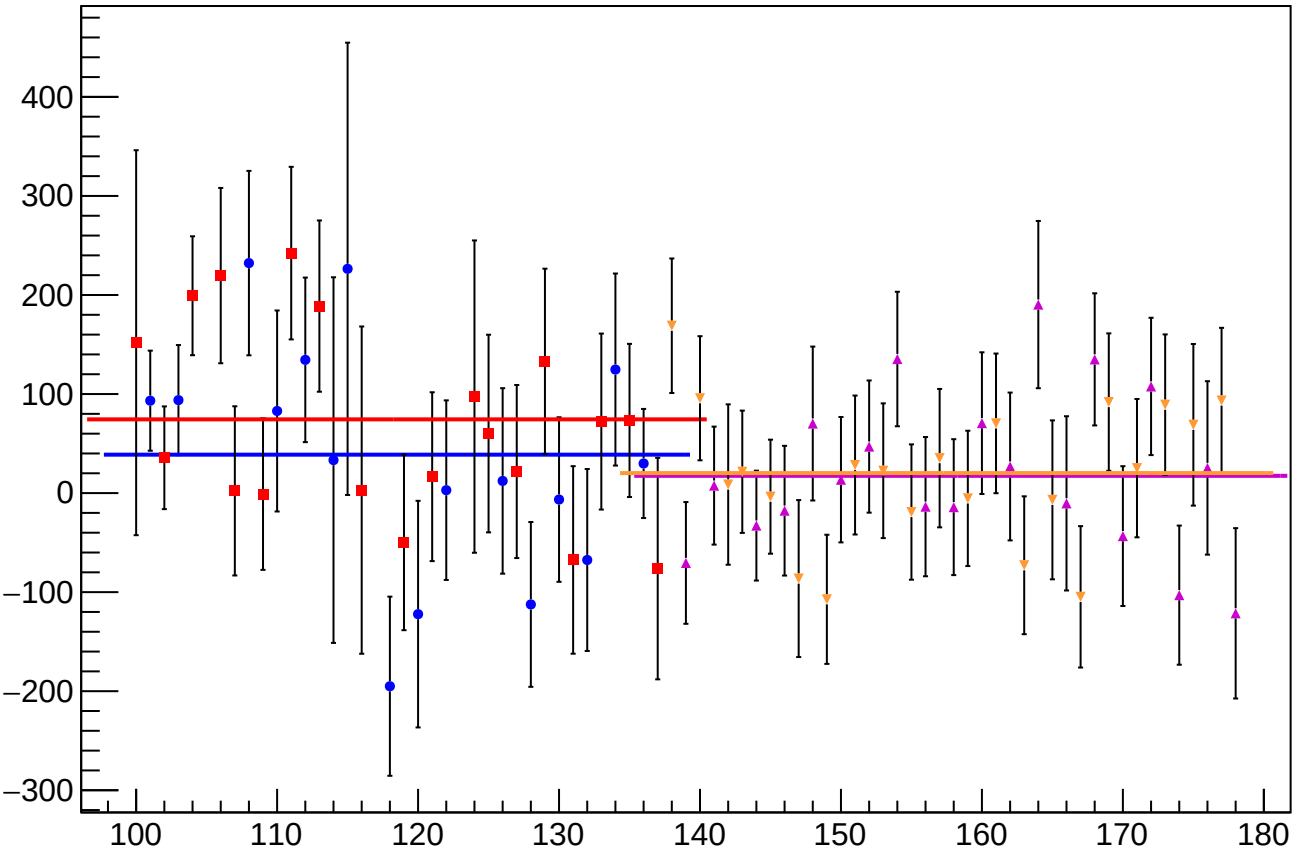
Left: 330.075+/-0.041 χ^2/NDF: 758625.2/40

Right: 97.745+/-0.024 χ^2/NDF: 12176874.0/34

In: 146.777+/-0.029 χ^2/NDF:20084096.7/35

Out: 169.345+/-0.030 χ^2/NDF:16366499.5/39

All: 157.444+/-0.021 χ^2/NDF: 36743864.4/75



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: 17.426+/-15.573 χ^2/NDF:23.2/19

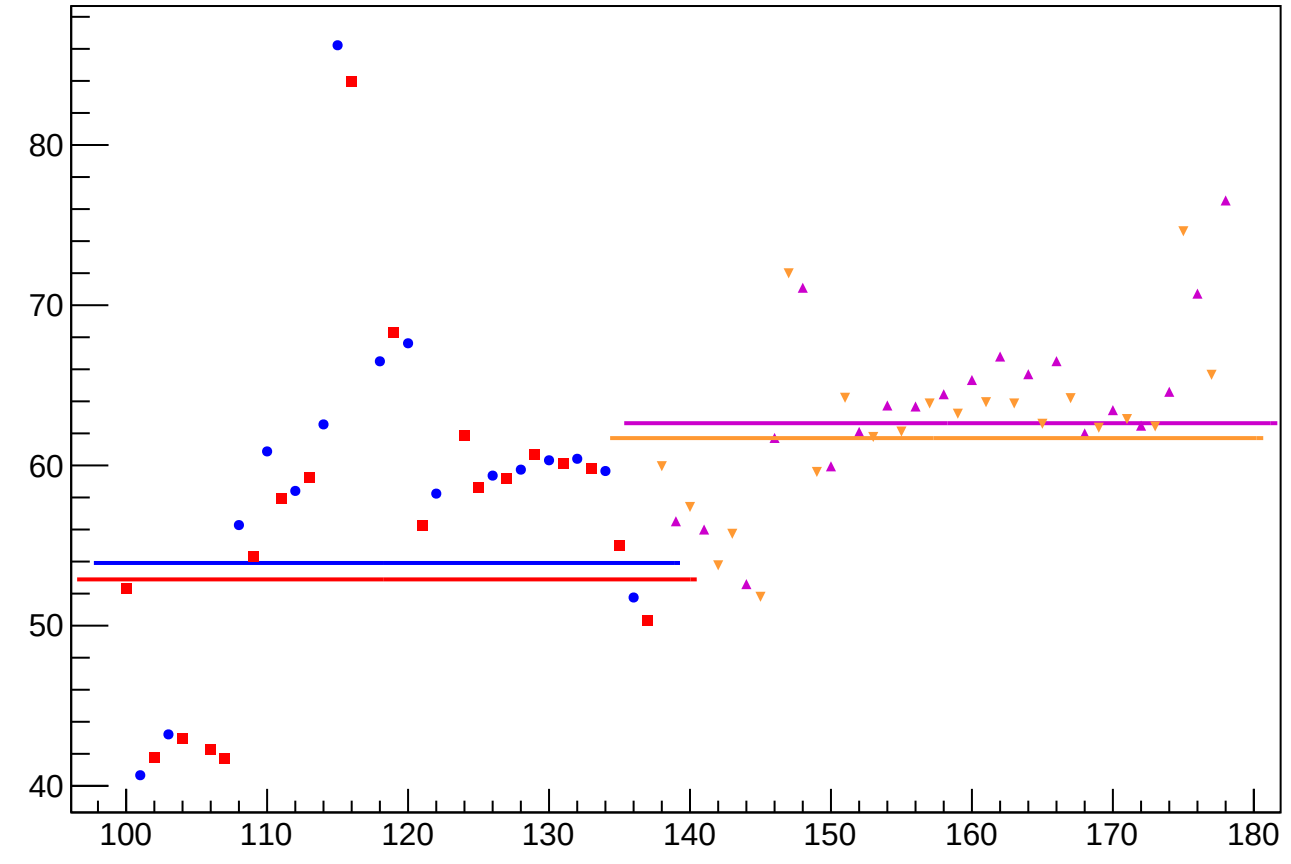
Left: 18.850+/-10.869 χ^2/NDF: 44.7/40

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 25.288+/-12.381 χ^2/NDF:47.2/35

Out: 40.270+/-12.045 χ^2/NDF:48.5/39

All: 32.985+/-8.634 χ^2/NDF: 96.5/75



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: 62.636+/-0.011 χ^2/NDF:227310.7/19

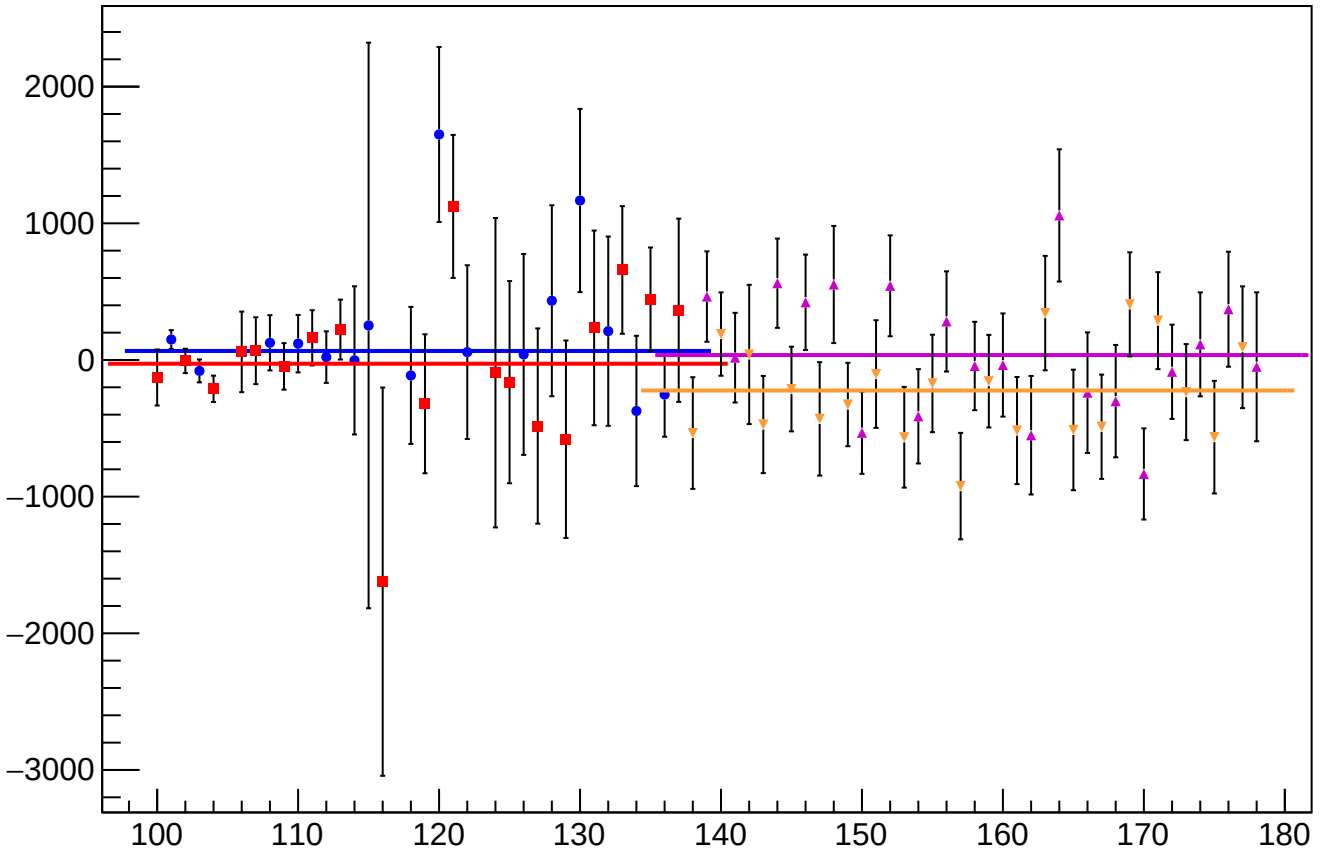
Left: 62.159+/-0.008 χ^2/NDF: 443737.1/40

Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 59.427+/-0.009 χ^2/NDF:851480.0/35

Out: 58.443+/-0.009 χ^2/NDF:888216.2/39

All: 58.921+/-0.006 χ^2/NDF: 1746180.5/75



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: 36.003+/-82.691 χ^2/NDF:29.6/19

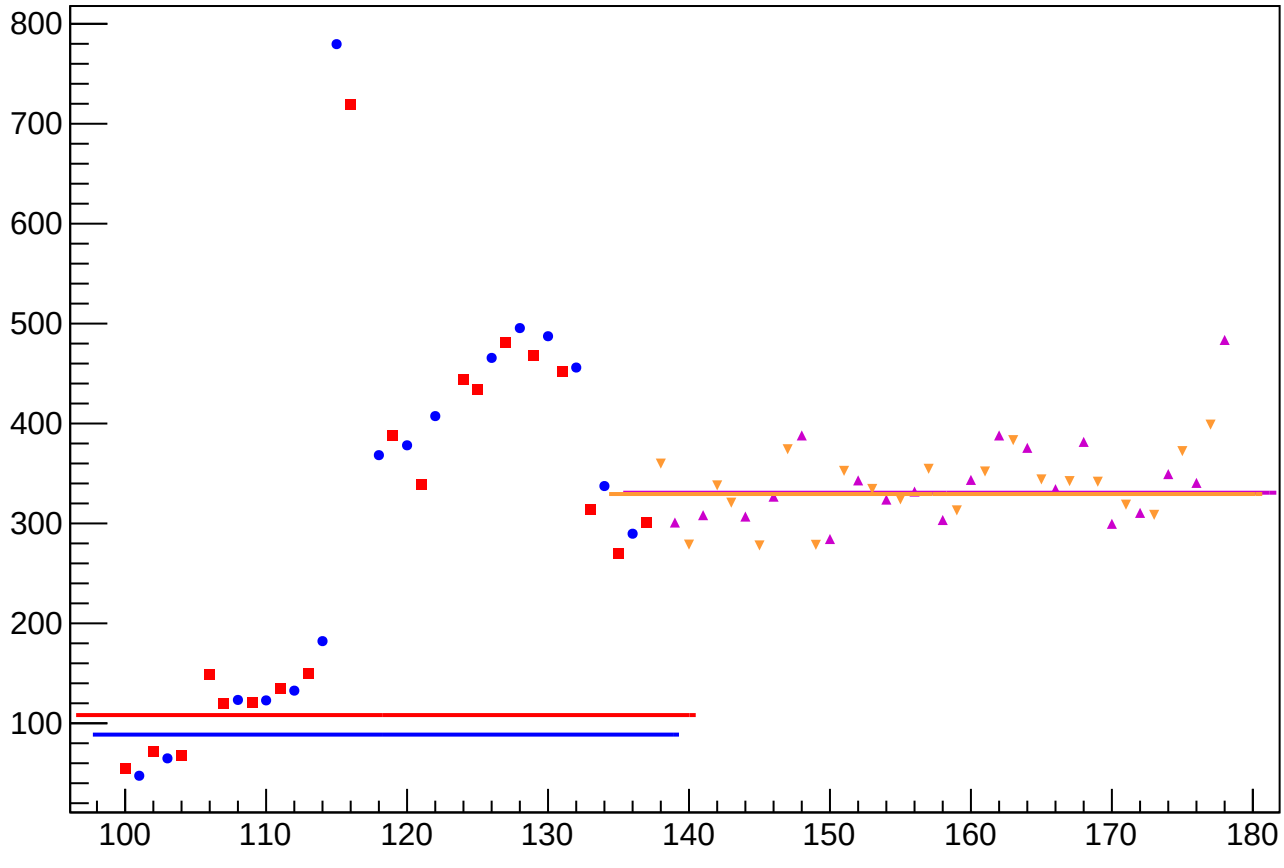
Left: -95.621+/-58.045 χ^2/NDF: 51.7/40

Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 58.690+/-40.516 χ^2/NDF:45.4/35

Out: -81.411+/-42.772 χ^2/NDF:39.3/39

All: -7.569+/-29.414 χ^2/NDF: 90.4/75



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: 330.741+/-0.058 χ^2/NDF:410030.6/19

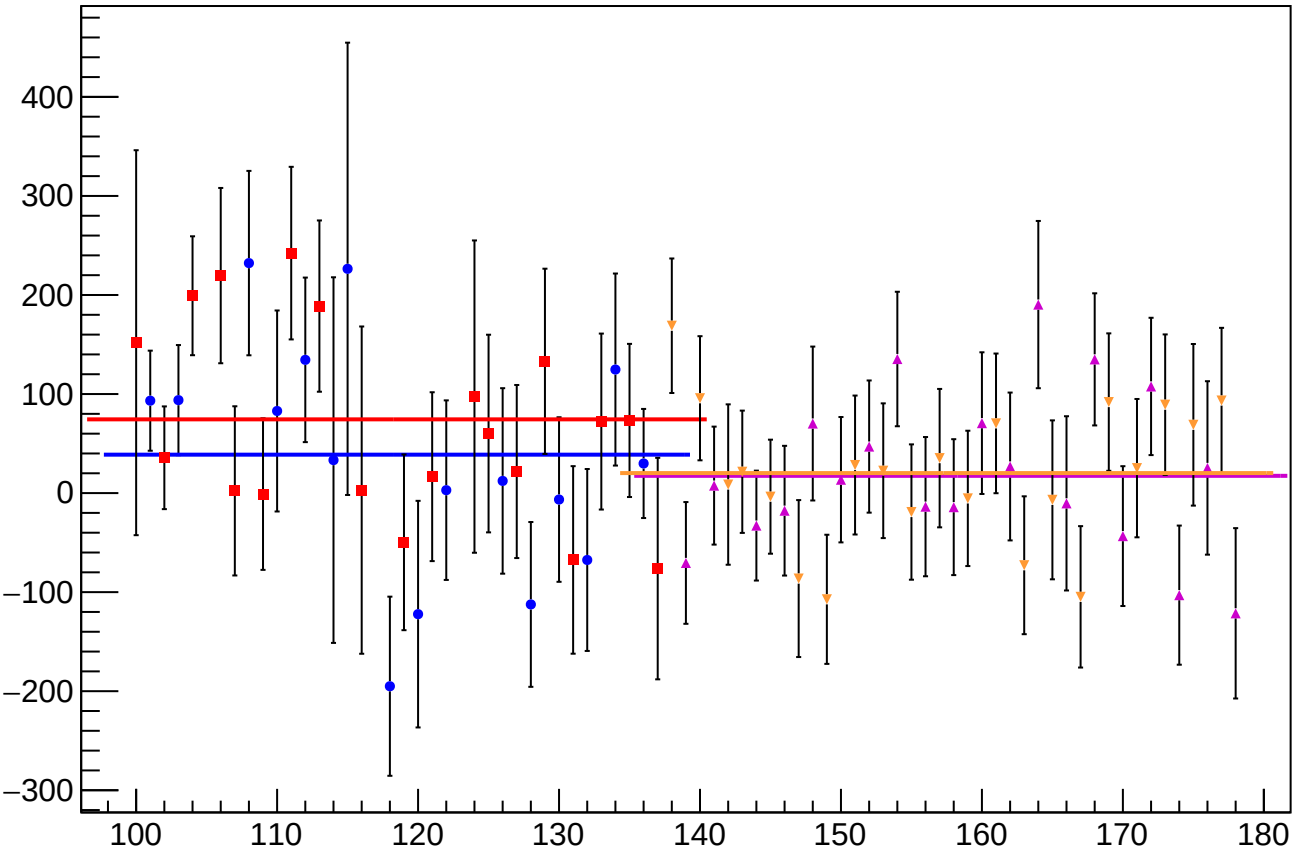
Left: 330.075+/-0.041 χ^2/NDF: 758627.6/40

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 146.773+/-0.029 χ^2/NDF:20084581.0/35

Out: 169.141+/-0.030 χ^2/NDF:16380755.1/39

All: 157.352+/-0.021 χ^2/NDF: 36753606.0/75



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: 17.426+/-15.573 χ^2/NDF:23.2/19

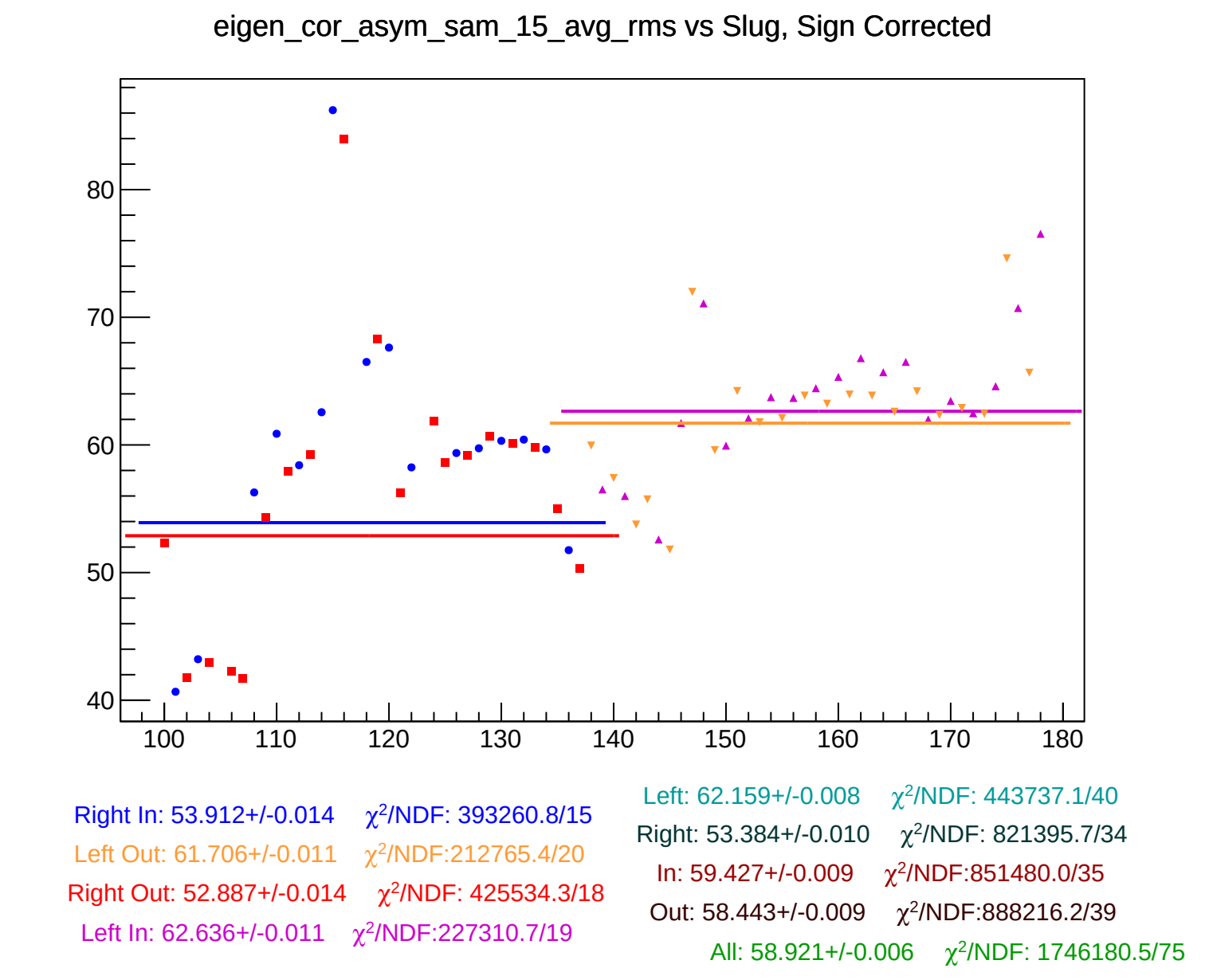
Left: 18.850+/-10.869 χ^2/NDF: 44.7/40

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

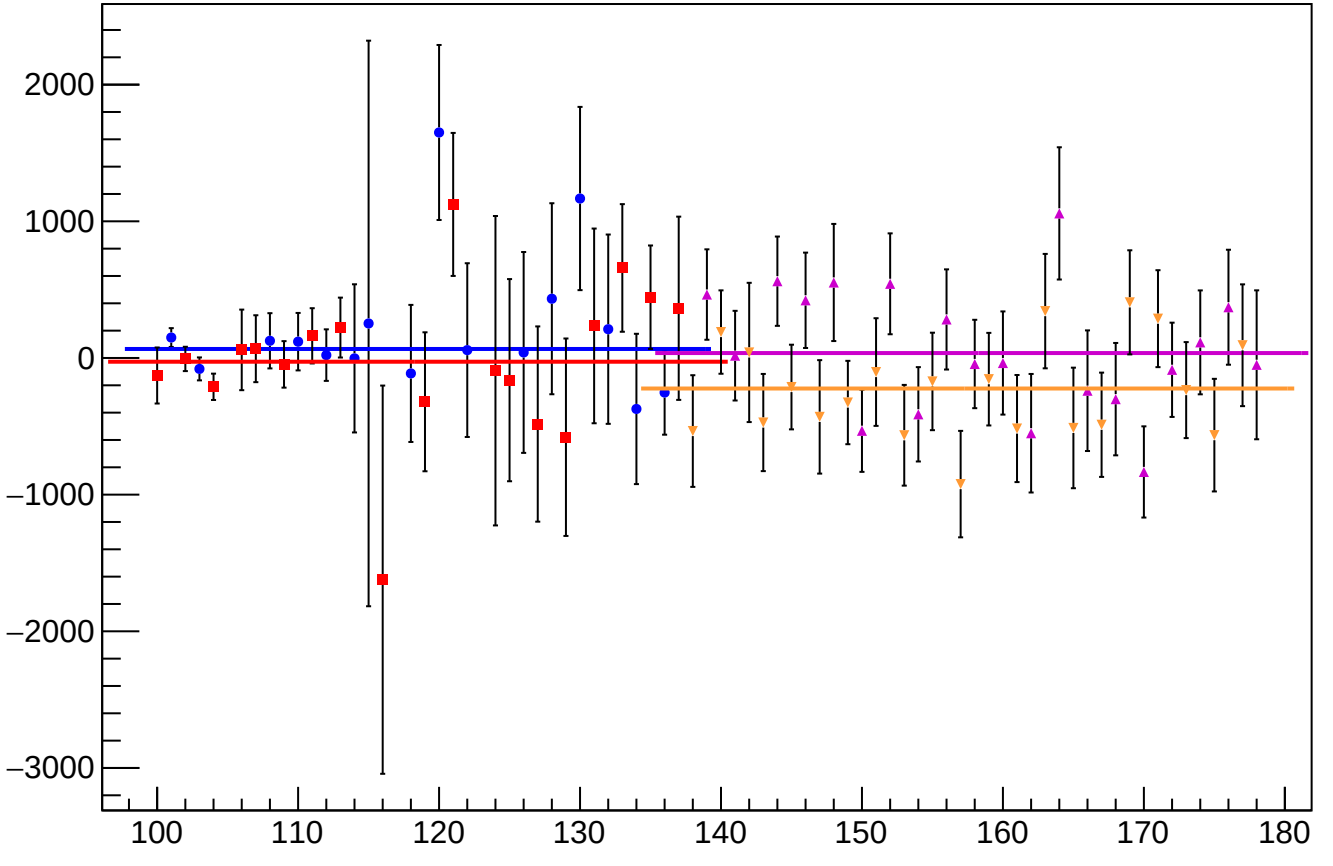
In: 25.288+/-12.381 χ^2/NDF:47.2/35

Out: 40.270+/-12.045 χ^2/NDF:48.5/39

All: 32.985+/-8.634 χ^2/NDF: 96.5/75


eigen_cor_asym_sam_15_avg_rms vs Slug, Sign Corrected
80
70
60
50
40
100
110
120
130
140
150
160
170
180
Right In: 53.912+/-0.014 χ²/NDF: 393260.8/15
Left Out: 61.706+/-0.011 χ²/NDF:212765.4/20
Right Out: 52.887+/-0.014 χ²/NDF: 425534.3/18
Left In: 62.636+/-0.011 χ²/NDF:227310.7/19
Left: 62.159+/-0.008 χ²/NDF: 443737.1/40
Right: 53.384+/-0.010 χ²/NDF: 821395.7/34
In: 59.427+/-0.009 χ²/NDF:851480.0/35
Out: 58.443+/-0.009 χ²/NDF:888216.2/39
All: 58.921+/-0.006 χ²/NDF: 1746180.5/75

asym_sam_15_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -223.474+/-81.498 χ^2/NDF:17.1/20

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 36.003+/-82.691 χ^2/NDF:29.6/19

Left: -95.621+/-58.045 χ^2/NDF: 51.7/40

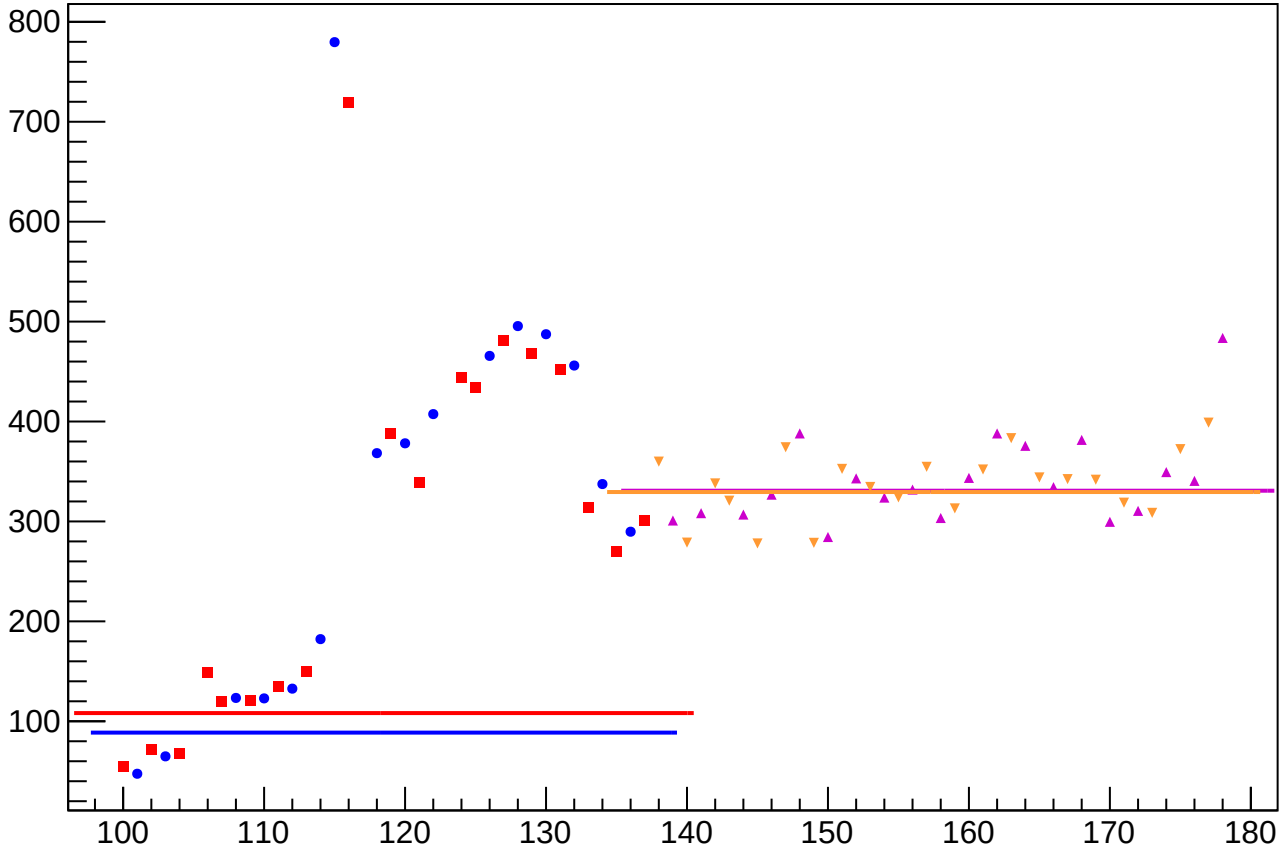
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 58.690+/-40.516 χ^2/NDF:45.4/35

Out: -81.411+/-42.772 χ^2/NDF:39.3/39

All: -7.569+/-29.414 χ^2/NDF: 90.4/75

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: 330.741+/-0.058 χ^2/NDF:410030.6/19

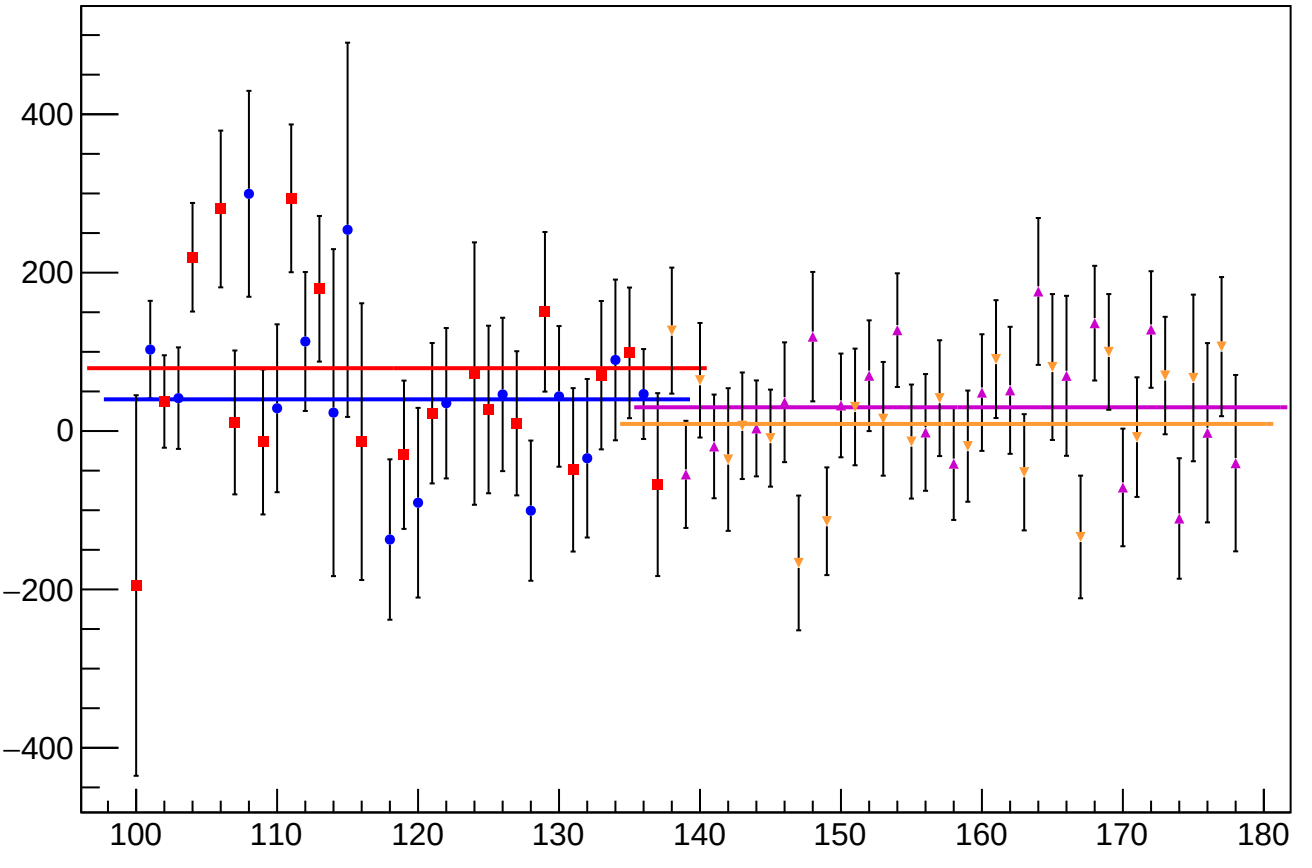
Left: 330.075+/-0.041 χ^2/NDF: 758627.6/40

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 146.773+/-0.029 χ^2/NDF:20084581.0/35

Out: 169.141+/-0.030 χ^2/NDF:16380755.1/39

All: 157.352+/-0.021 χ^2/NDF: 36753606.0/75



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: 30.010+/-16.891 χ^2/NDF:19.3/19

Left: 19.232+/-11.789 χ^2/NDF: 41.0/40

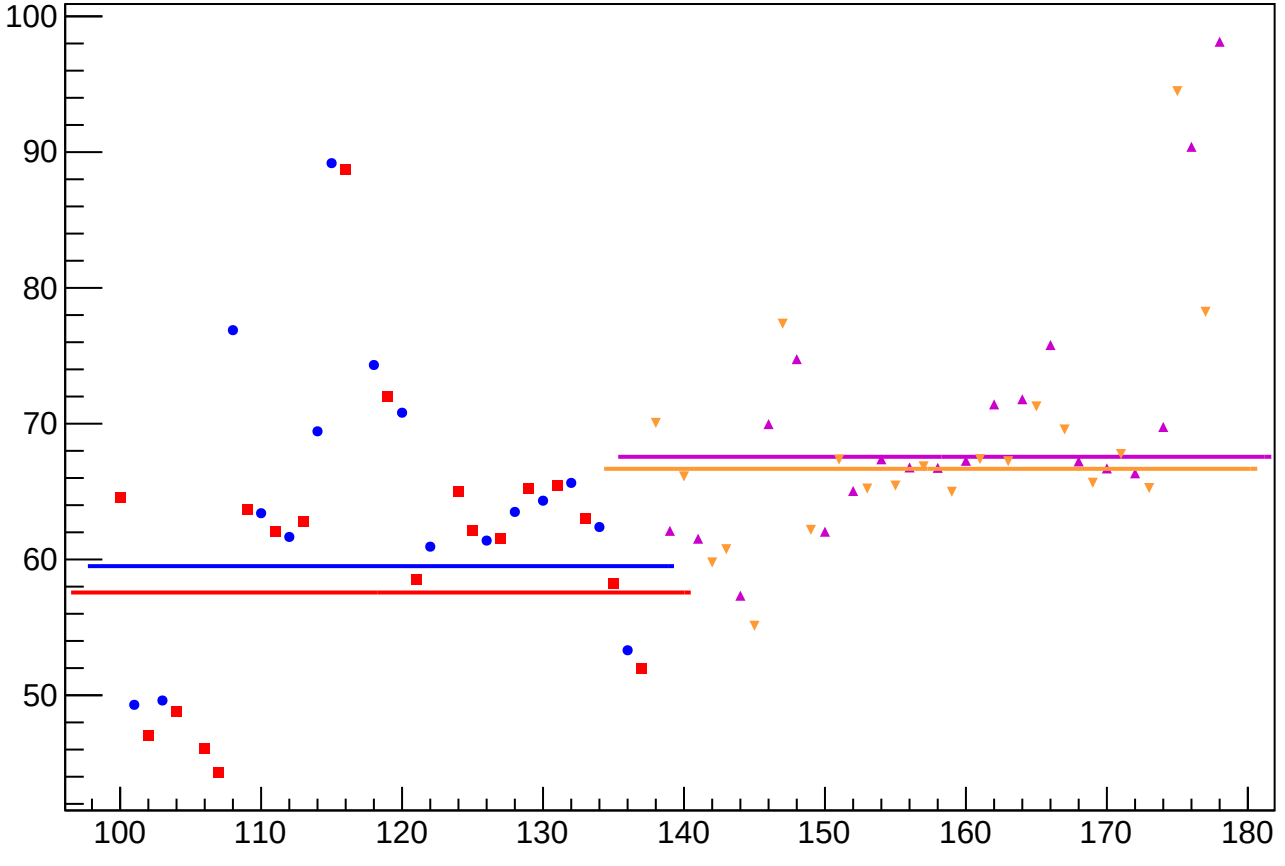
Right: 60.541+/-15.578 χ^2/NDF: 40.5/34

In: 33.618+/-13.511 χ^2/NDF:33.6/35

Out: 34.890+/-13.088 χ^2/NDF:52.4/39

All: 34.274+/-9.401 χ^2/NDF: 86.1/75

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



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: 67.562+/-0.012 χ^2/NDF:378458.1/19

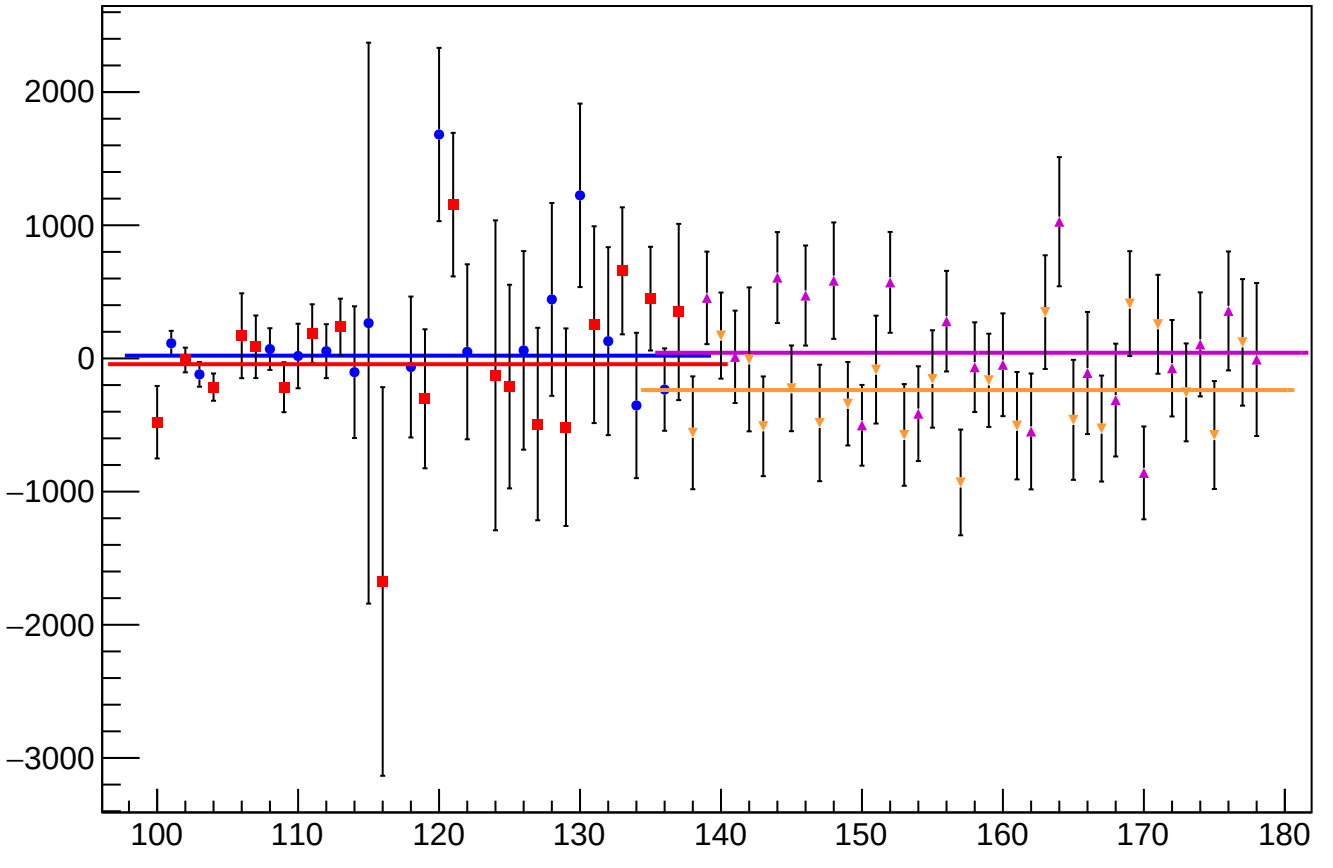
Left: 67.107+/-0.008 χ^2/NDF: 710470.5/40

Right: 58.497+/-0.011 χ^2/NDF: 638326.1/34

In: 64.662+/-0.010 χ^2/NDF:825377.1/35

Out: 63.324+/-0.009 χ^2/NDF:901850.3/39

All: 63.972+/-0.007 χ^2/NDF: 1737335.8/75



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: 42.669+/-85.722 χ^2/NDF:28.5/19

Left: -99.499+/-60.159 χ^2/NDF: 50.1/40

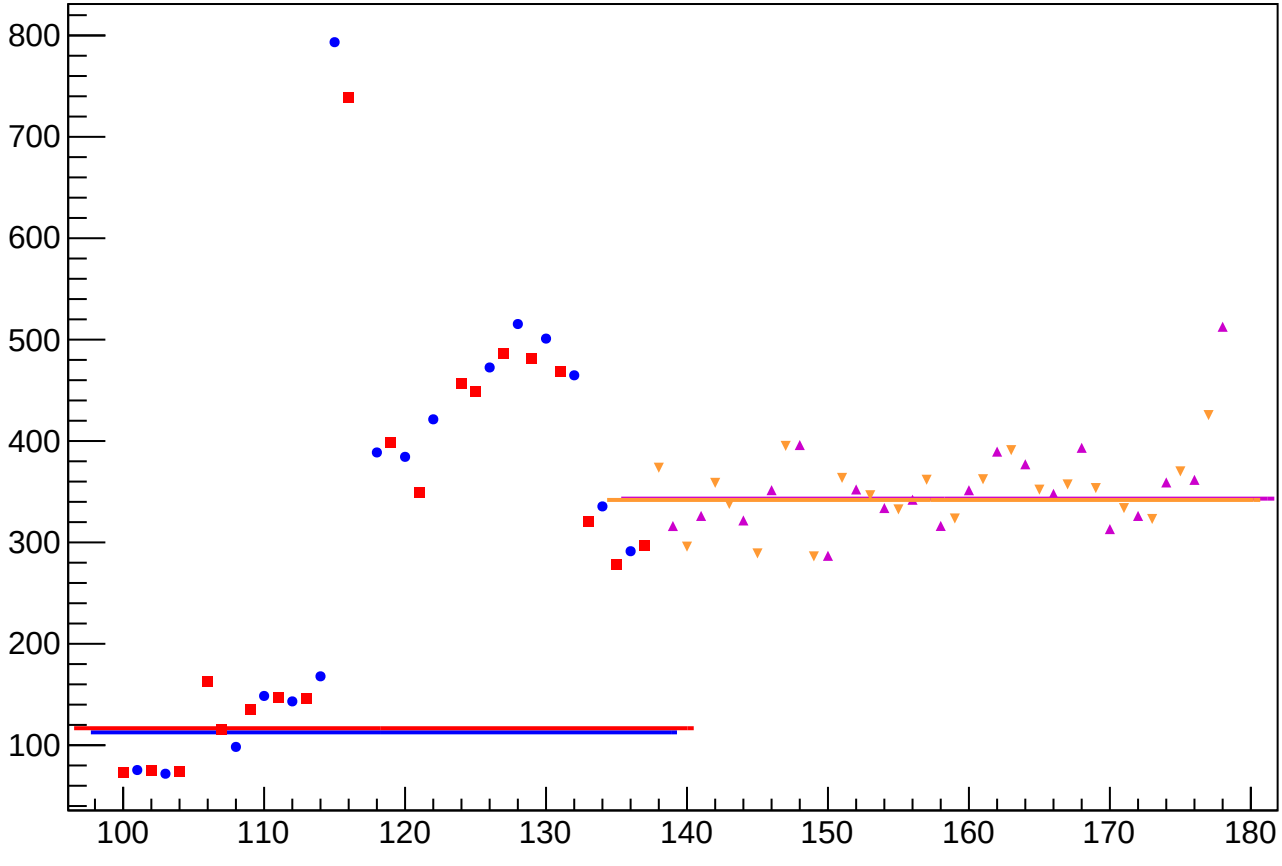
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 26.973+/-45.438 χ^2/NDF:43.1/35

Out: -98.455+/-45.019 χ^2/NDF:41.5/39

All: -36.322+/-31.980 χ^2/NDF: 88.5/75

asym_sam_15_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 341.895+/-0.060 χ^2/NDF:333635.5/20

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

Left In: 343.175+/-0.061 χ^2/NDF:401441.9/19

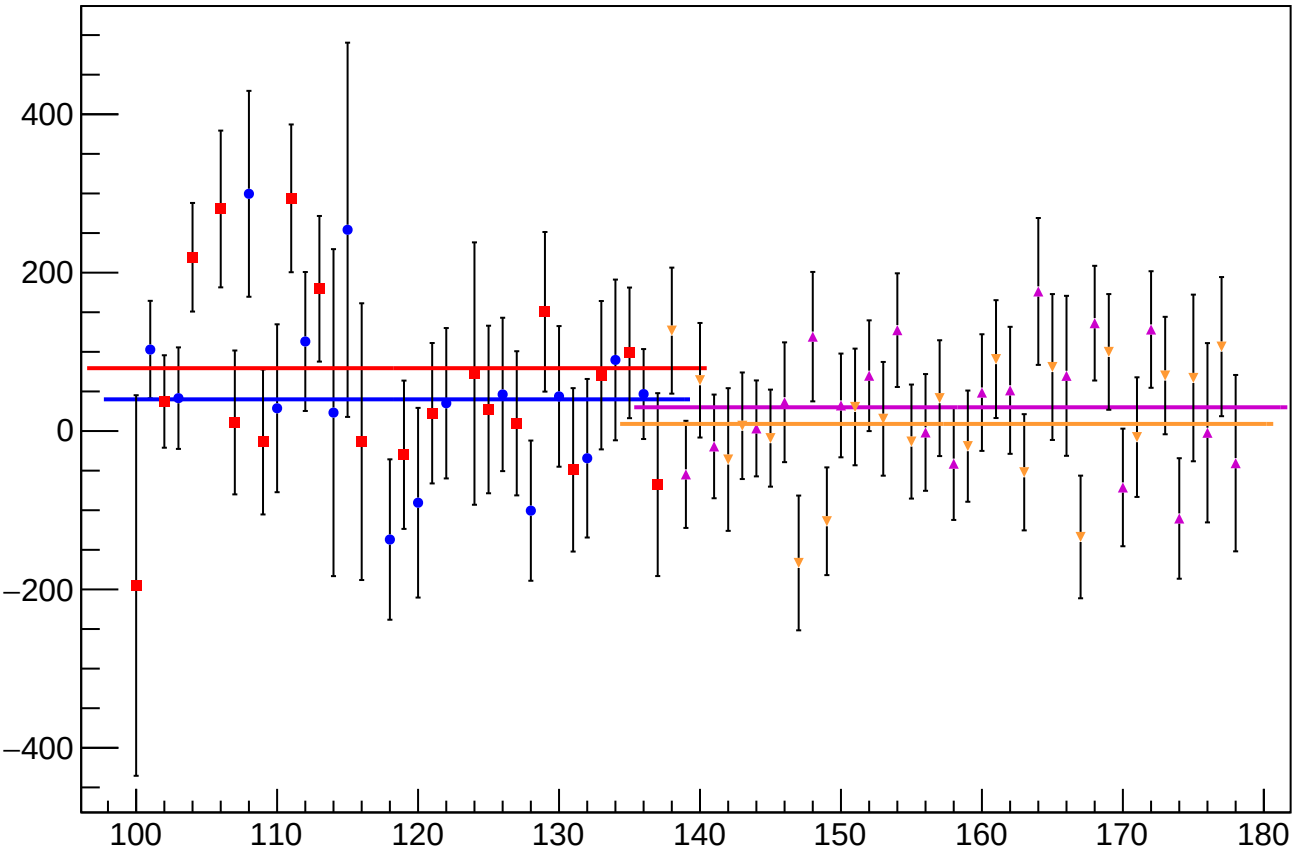
Left: 342.525+/-0.043 χ^2/NDF: 735303.9/40

Right: 114.715+/-0.027 χ^2/NDF: 10746836.7/34

In: 177.433+/-0.032 χ^2/NDF:16399486.5/35

Out: 180.720+/-0.032 χ^2/NDF:15652292.1/39

All: 179.092+/-0.023 χ^2/NDF: 32057061.1/75



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: 30.010+/-16.891 χ^2/NDF:19.3/19

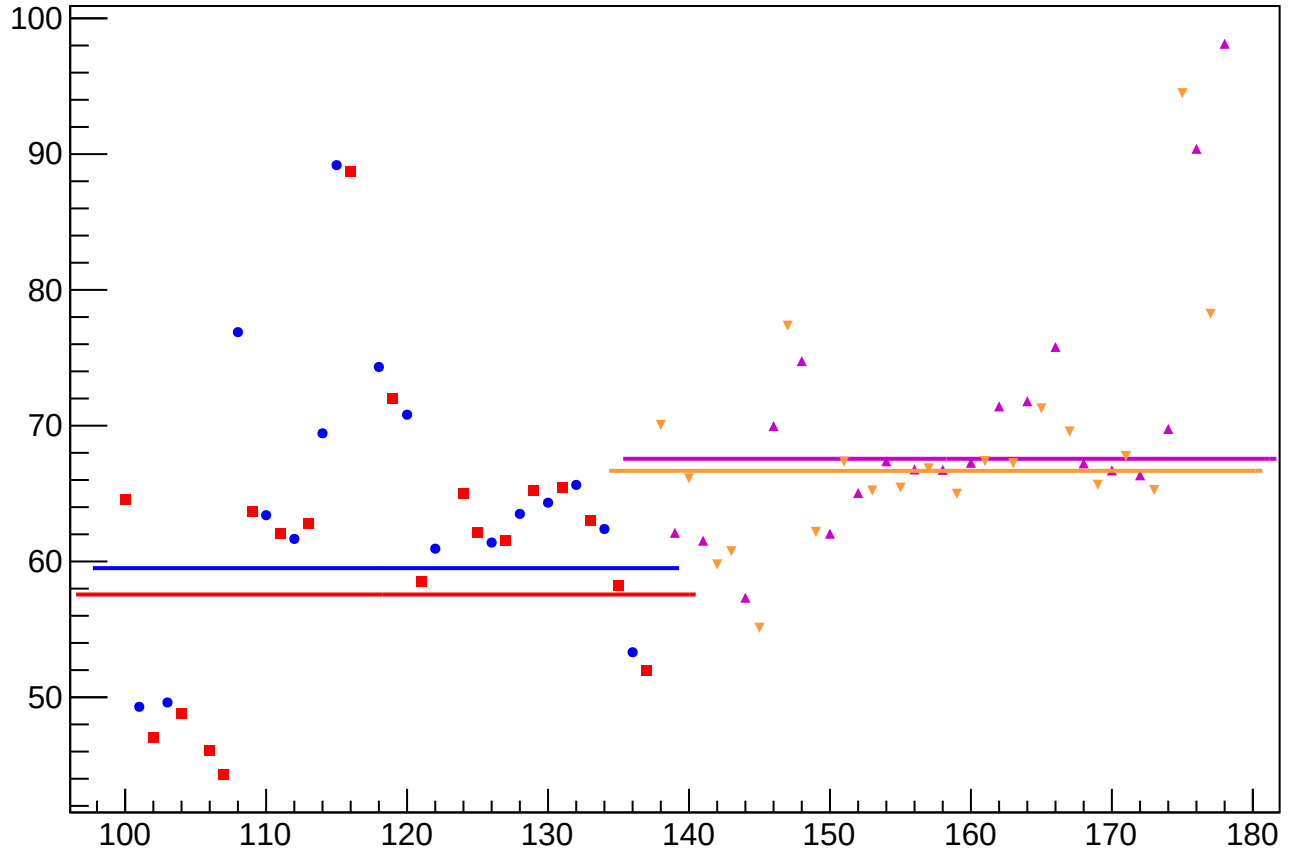
Left: 19.232+/-11.789 χ^2/NDF: 41.0/40

Right: 60.540+/-15.578 χ^2/NDF: 40.5/34

In: 33.618+/-13.511 χ^2/NDF:33.6/35

Out: 34.890+/-13.088 χ^2/NDF:52.4/39

All: 34.275+/-9.401 χ^2/NDF: 86.1/75



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: 67.562+/-0.012 χ^2/NDF:378440.7/19

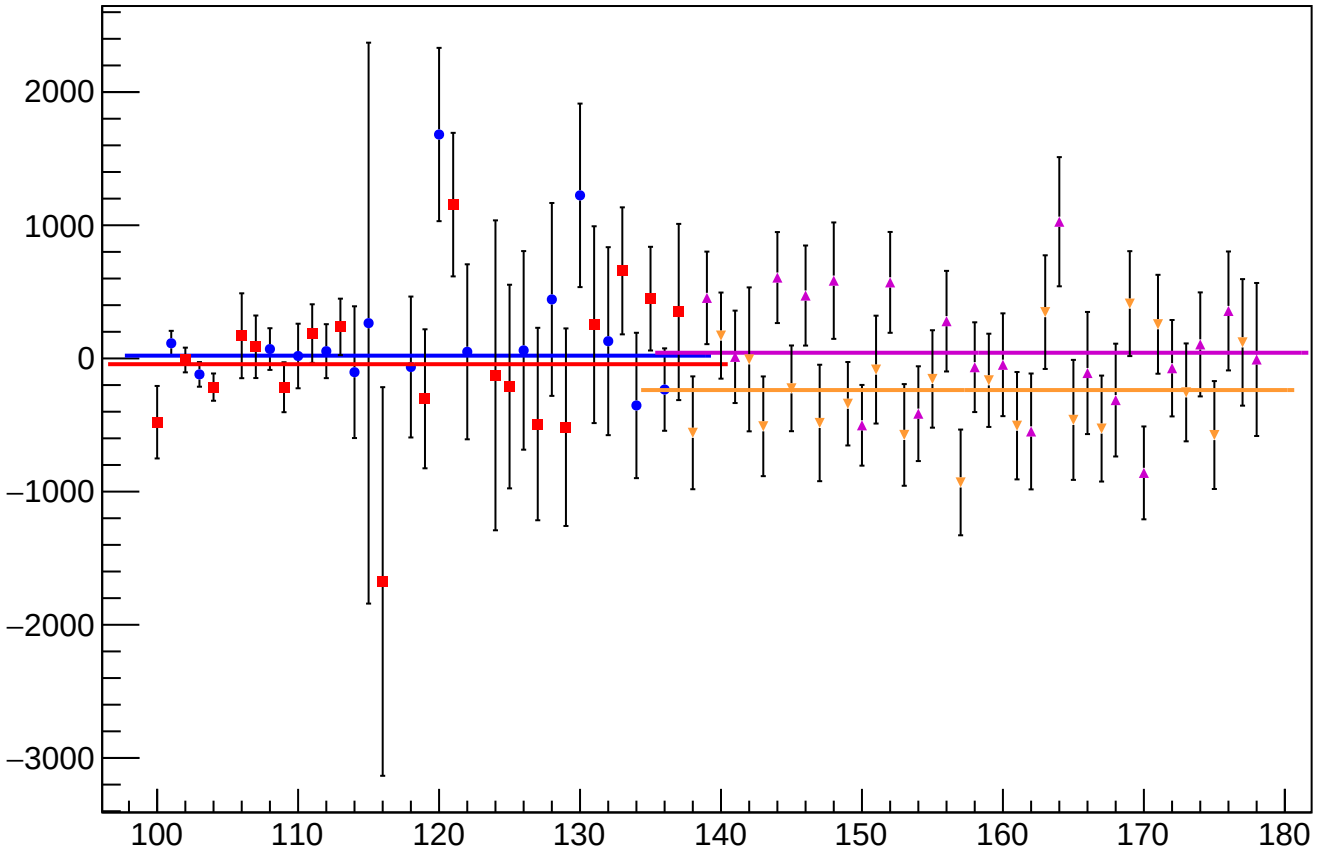
Left: 67.107+/-0.008 χ^2/NDF: 710448.0/40

Right: 58.496+/-0.011 χ^2/NDF: 638320.1/34

In: 64.662+/-0.010 χ^2/NDF:825366.9/35

Out: 63.324+/-0.009 χ^2/NDF:901849.4/39

All: 63.972+/-0.007 χ^2/NDF: 1737325.2/75



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: 42.669+/-85.722 χ^2/NDF:28.5/19

Left: -99.499+/-60.160 χ^2/NDF: 50.1/40

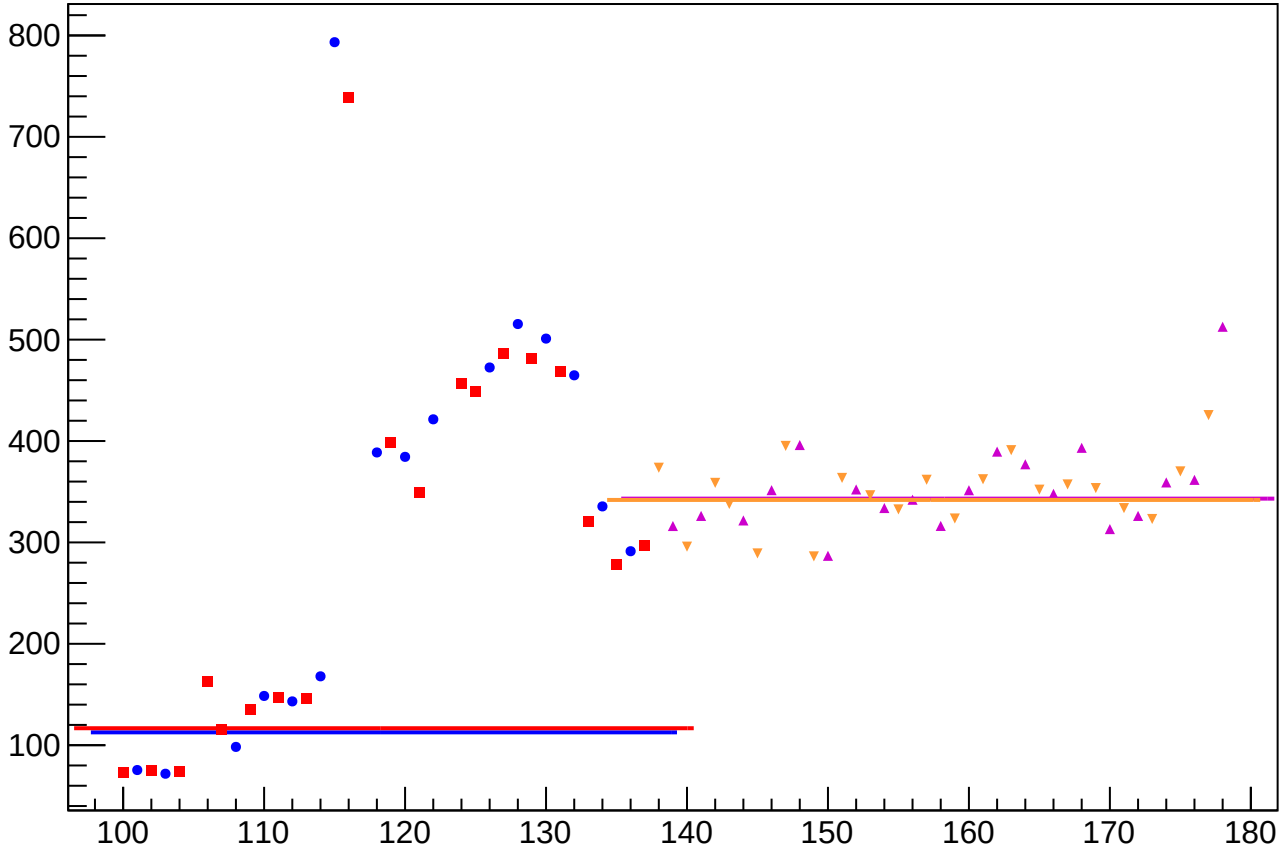
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 26.973+/-45.438 χ^2/NDF:43.1/35

Out: -98.455+/-45.019 χ^2/NDF:41.5/39

All: -36.322+/-31.980 χ^2/NDF: 88.5/75

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: 343.176+/-0.061 χ^2/NDF:401435.0/19

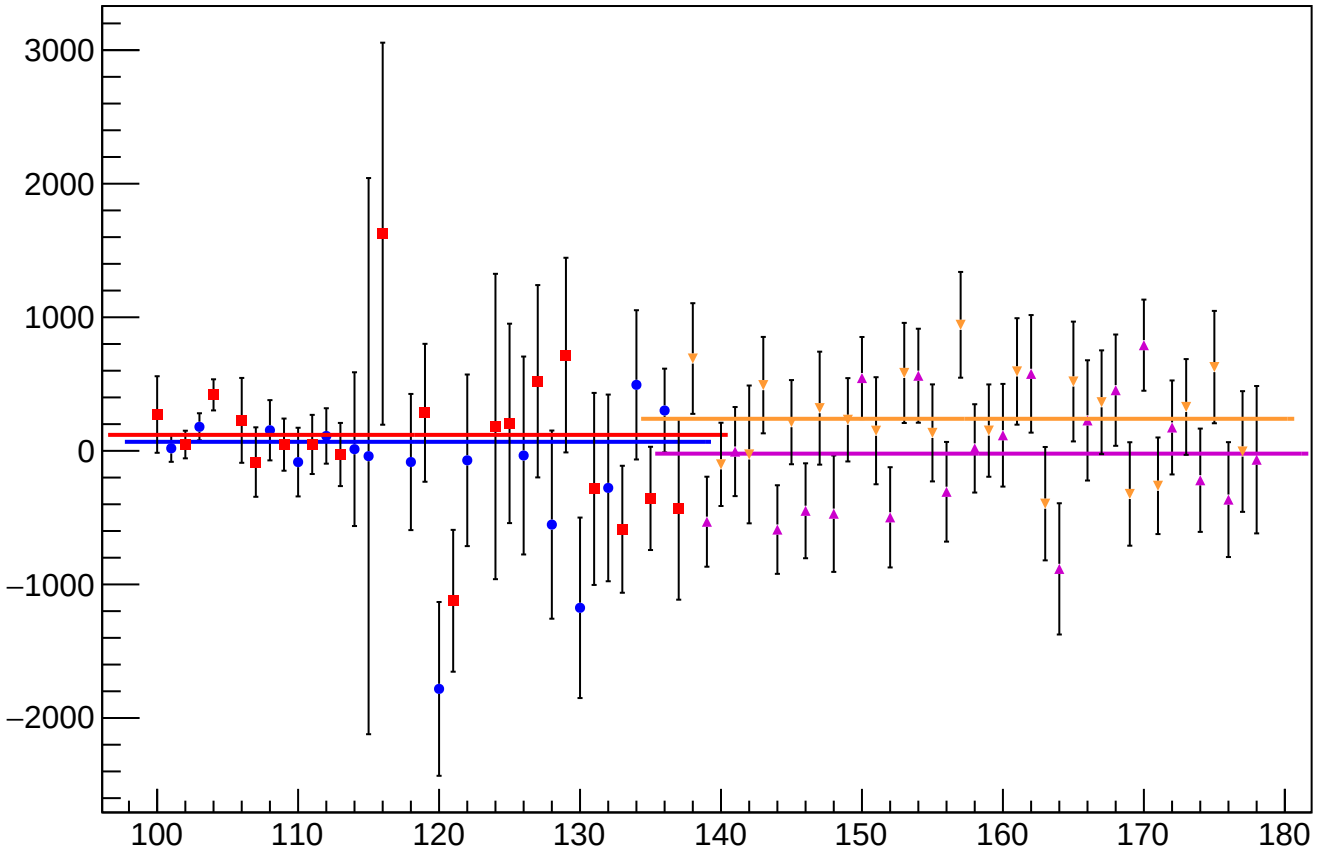
Left: 342.526+/-0.043 χ^2/NDF: 735289.9/40

Right: 114.714+/-0.027 χ^2/NDF: 10746837.6/34

In: 177.433+/-0.032 χ^2/NDF:16399540.5/35

Out: 180.720+/-0.032 χ^2/NDF:15652365.8/39

All: 179.092+/-0.023 χ^2/NDF: 32057188.2/75



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: -20.949+/-84.216 χ^2/NDF:29.6/19

Left: 111.479+/-59.104 χ^2/NDF: 50.7/40

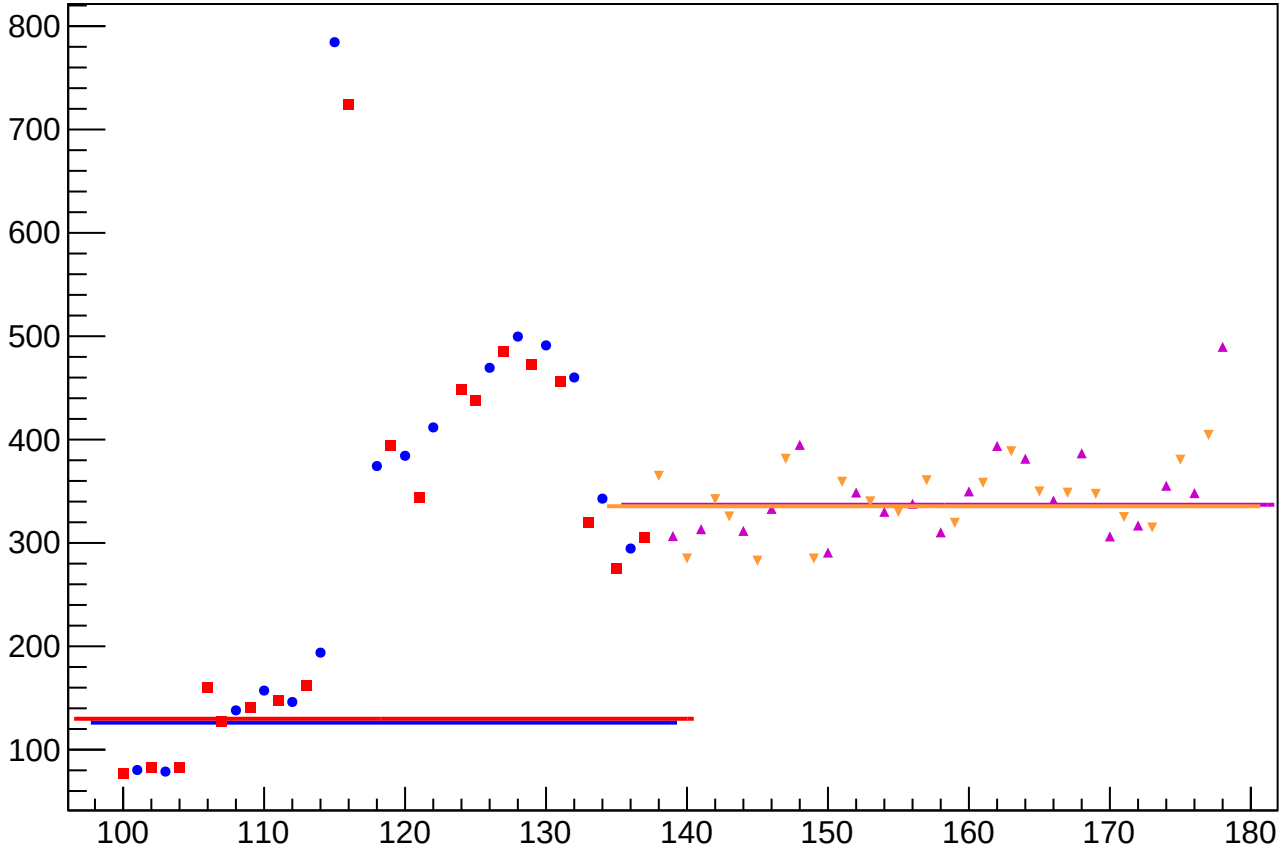
Right: 94.173+/-41.398 χ^2/NDF: 37.3/34

In: 38.349+/-48.414 χ^2/NDF:46.2/35

Out: 159.098+/-47.504 χ^2/NDF:38.7/39

All: 99.869+/-33.908 χ^2/NDF: 88.0/75

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: 336.971+/-0.060 χ^2/NDF:397236.8/19

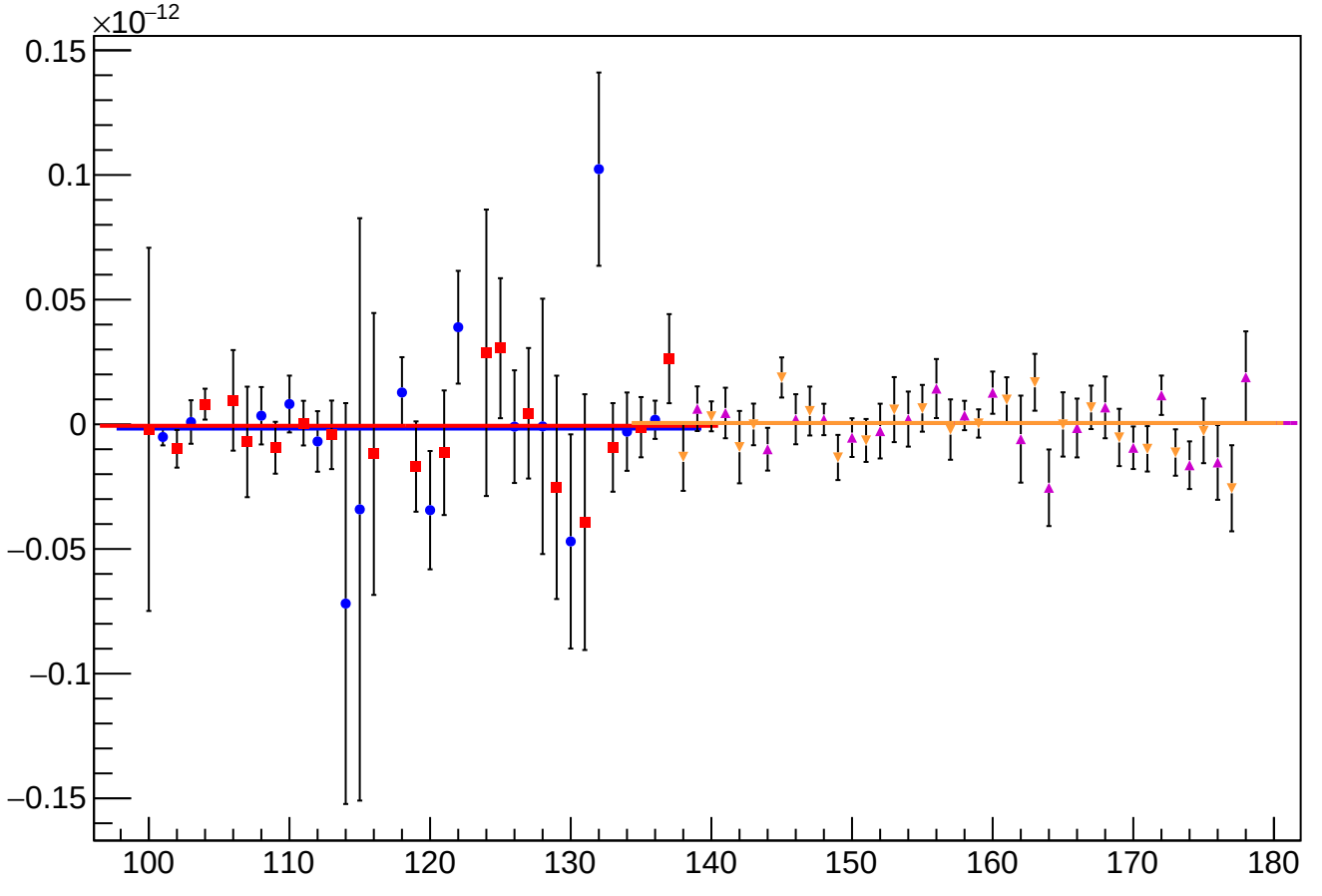
Left: 336.232+/-0.042 χ^2/NDF: 736142.0/40

Right: 128.074+/-0.029 χ^2/NDF: 9871930.1/34

In: 195.827+/-0.034 χ^2/NDF:14008322.9/35

Out: 197.314+/-0.034 χ^2/NDF:13241578.5/39

All: 196.584+/-0.024 χ^2/NDF: 27250862.4/75



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:18.4/19

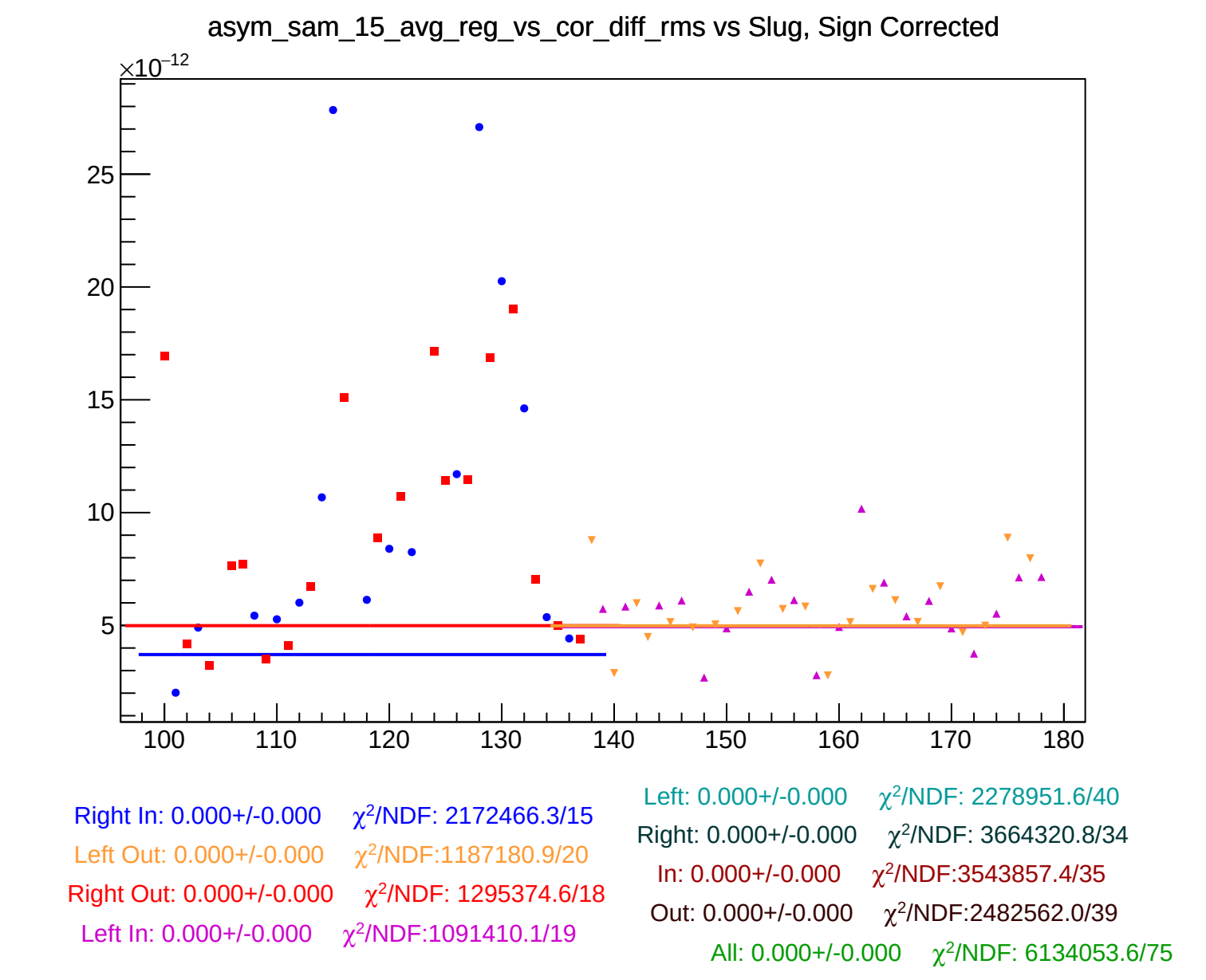
Left: 0.000+/-0.000 χ^2/NDF: 38.2/40

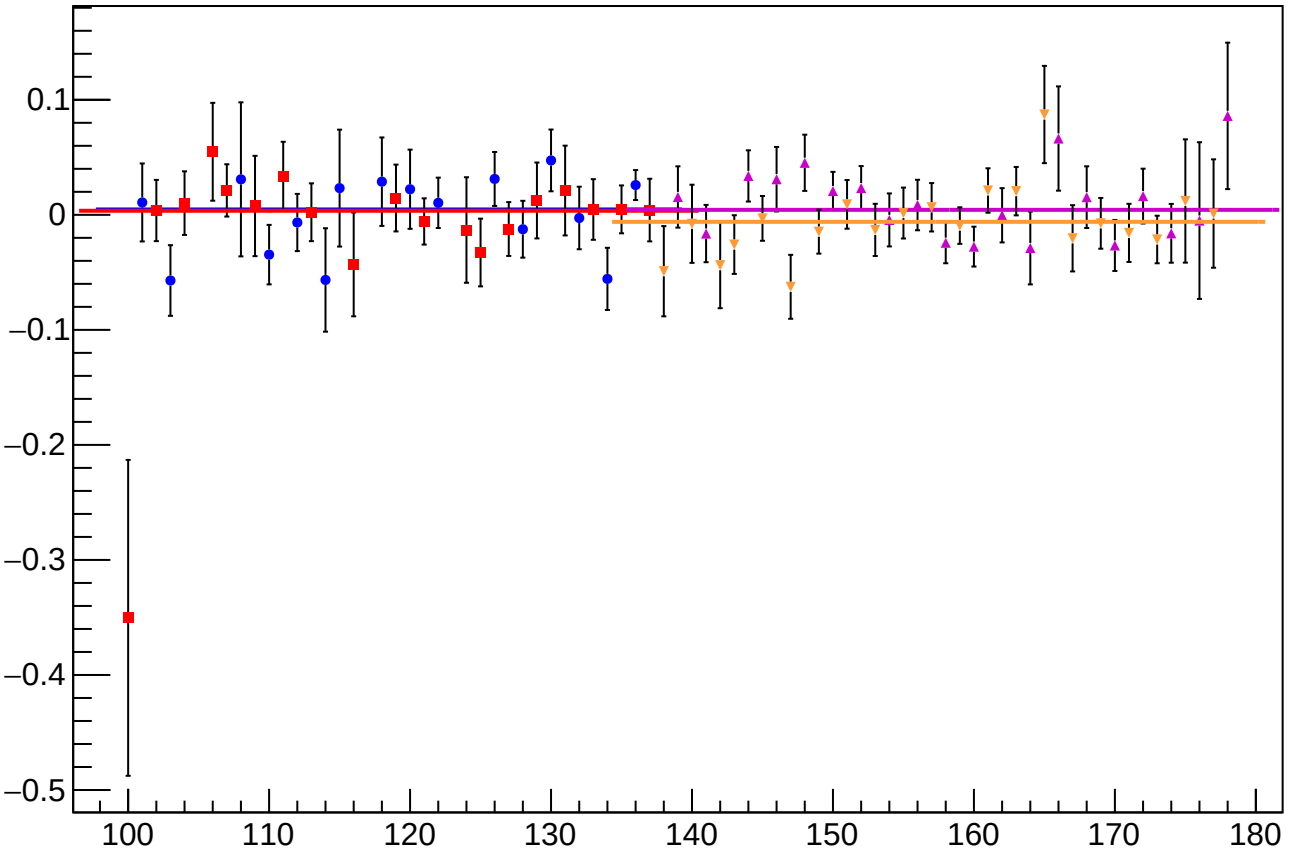
Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:36.6/35

Out: 0.000+/-0.000 χ^2/NDF:30.4/39

All: -0.000+/-0.000 χ^2/NDF: 67.1/75


asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
25
20
15
10
5
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2172466.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1187180.9/20
Right Out: 0.000+/-0.000 χ²/NDF: 1295374.6/18
Left In: 0.000+/-0.000 χ²/NDF:1091410.1/19
Left: 0.000+/-0.000 χ²/NDF: 2278951.6/40
Right: 0.000+/-0.000 χ²/NDF: 3664320.8/34
In: 0.000+/-0.000 χ²/NDF:3543857.4/35
Out: 0.000+/-0.000 χ²/NDF:2482562.0/39
All: 0.000+/-0.000 χ²/NDF: 6134053.6/75



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:22.1/19

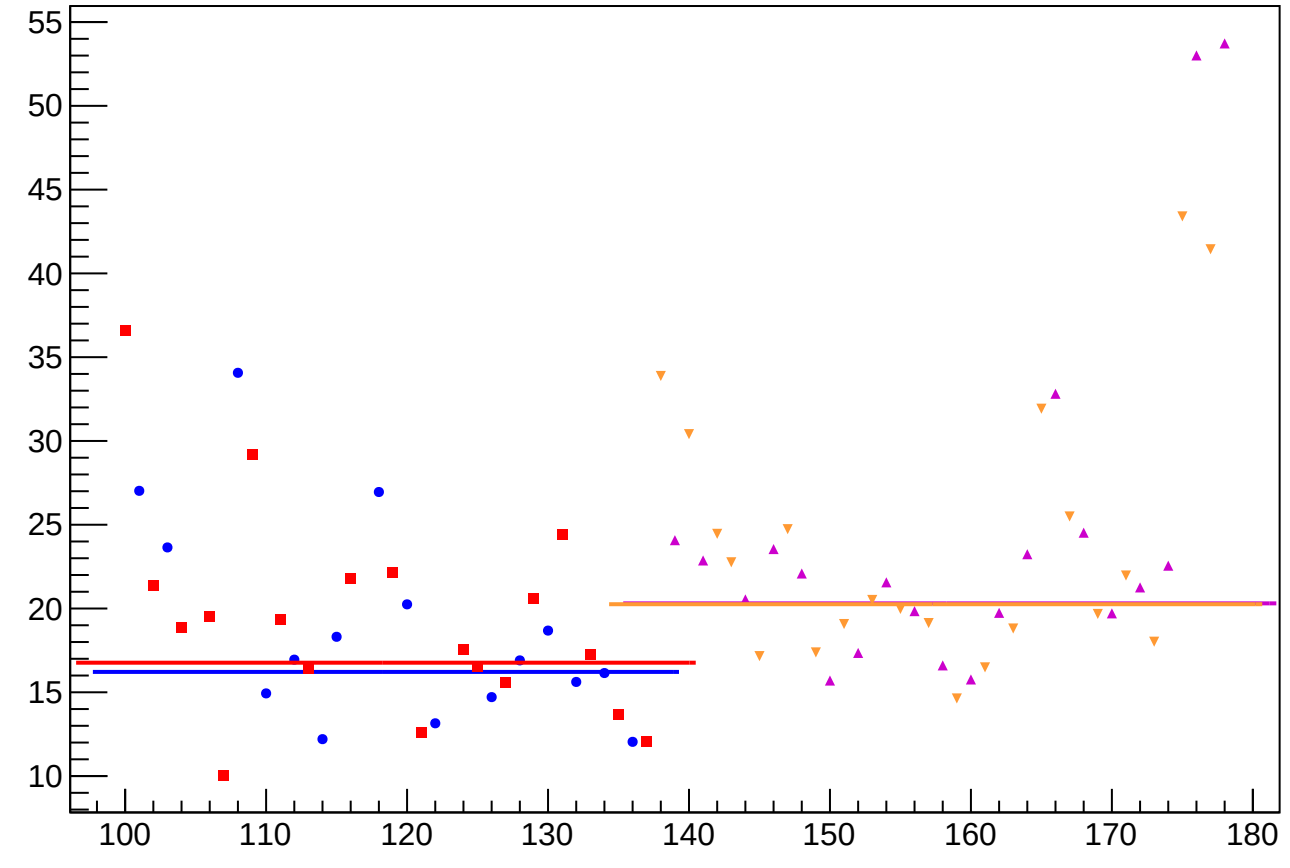
Left: -0.001+/-0.004 χ^2/NDF: 41.9/40

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.004 χ^2/NDF:43.6/35

Out: -0.002+/-0.004 χ^2/NDF:32.8/39

All: 0.001+/-0.003 χ^2/NDF: 77.7/75



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: 20.307+/-0.004 χ^2/NDF:1783071.4/19

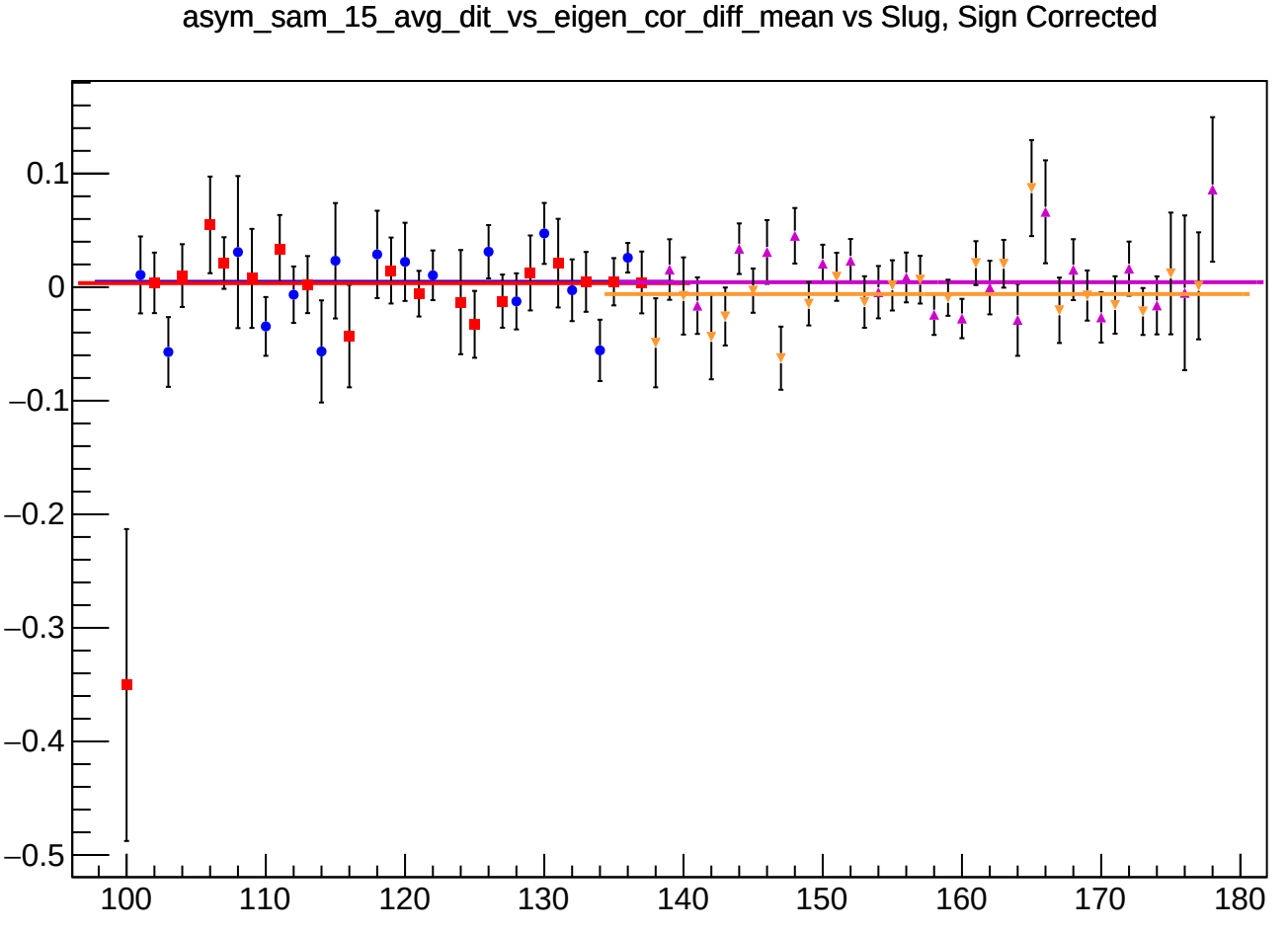
Left: 20.281+/-0.003 χ^2/NDF: 3774508.1/40

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 18.683+/-0.003 χ^2/NDF:3195021.0/35

Out: 18.912+/-0.003 χ^2/NDF:3199231.8/39

All: 18.798+/-0.002 χ^2/NDF: 6397349.2/75



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:22.1/19

Left: -0.001+/-0.004 χ^2/NDF: 41.9/40

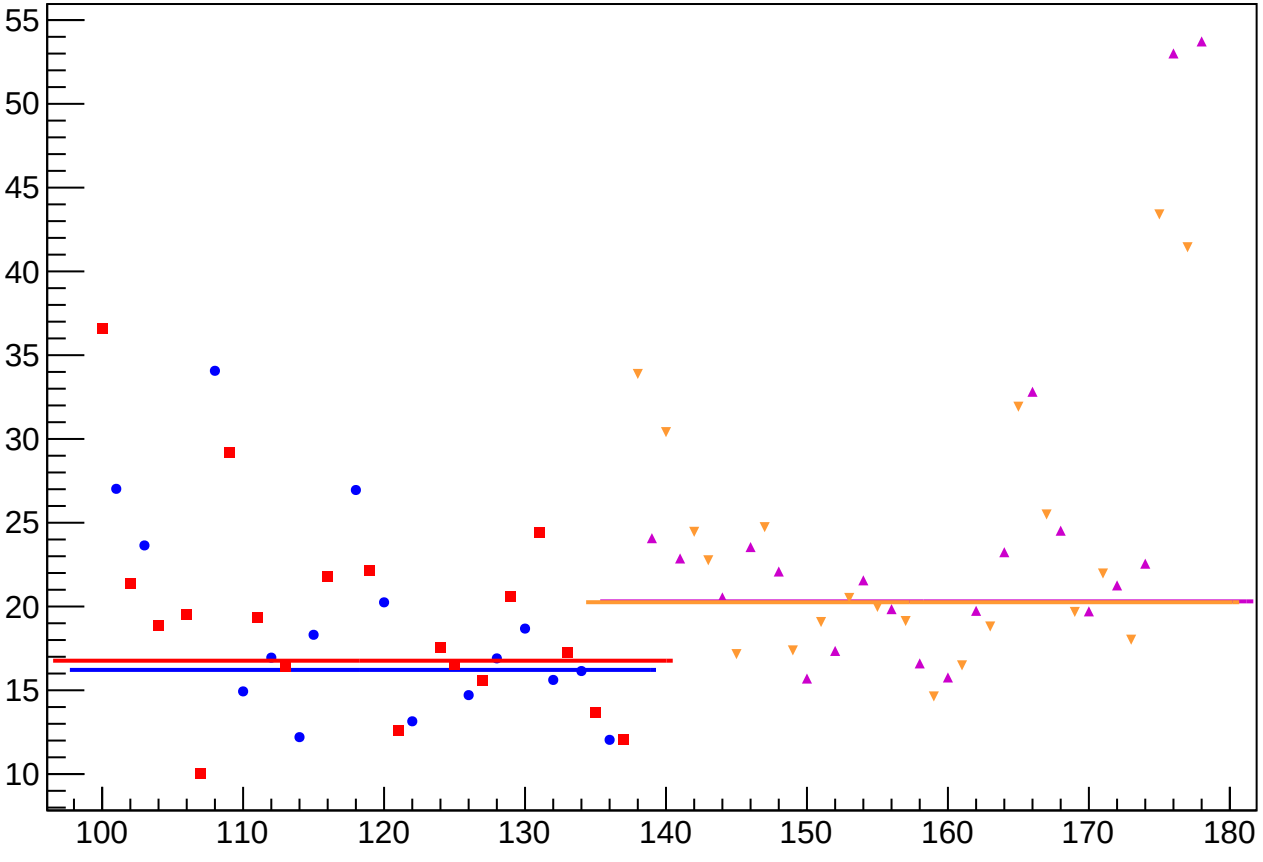
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.004 χ^2/NDF:43.6/35

Out: -0.002+/-0.004 χ^2/NDF:32.8/39

All: 0.001+/-0.003 χ^2/NDF: 77.7/75

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: 20.307+/-0.004 χ^2/NDF:1783071.4/19

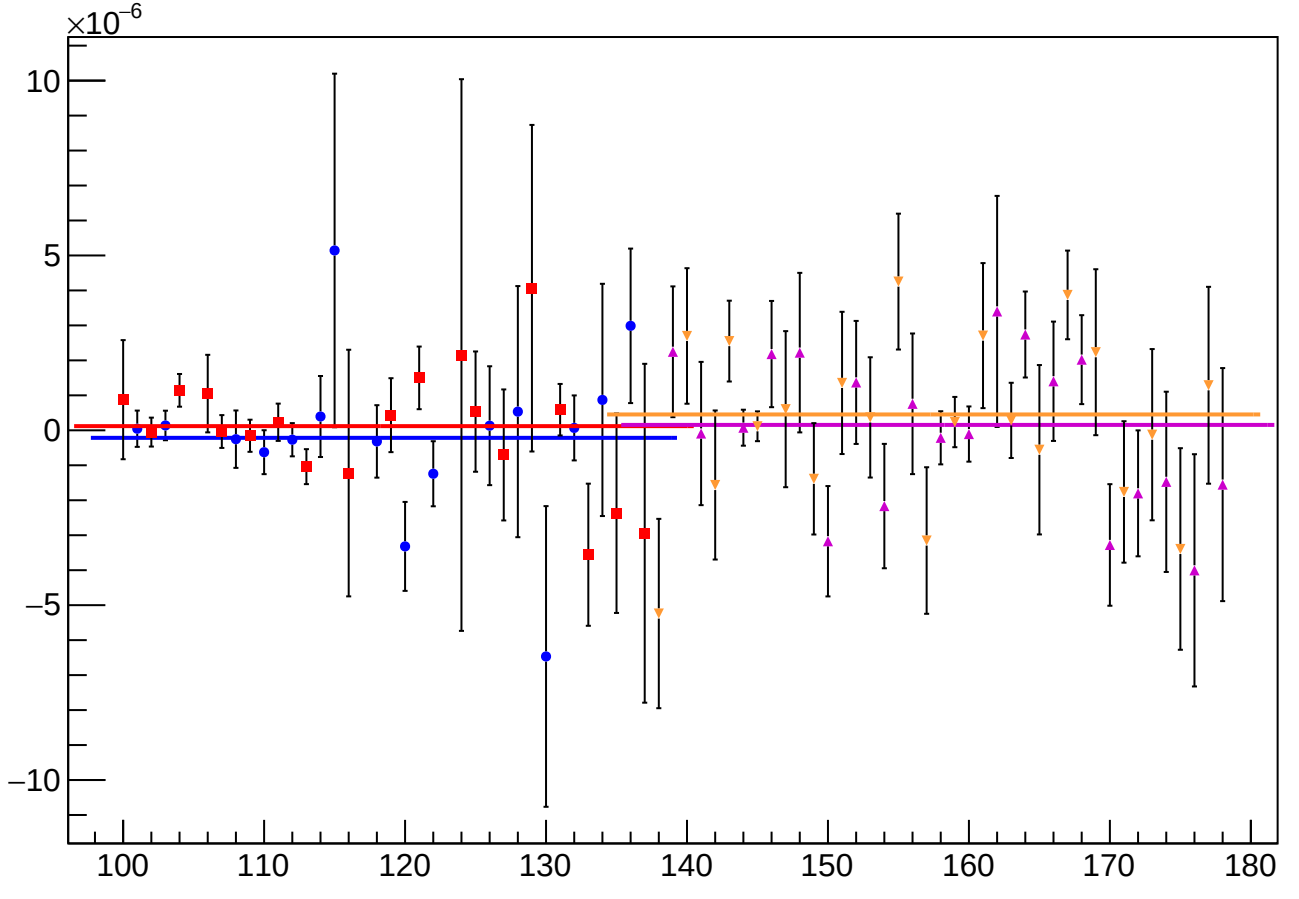
Left: 20.281+/-0.003 χ^2/NDF: 3774508.1/40

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 18.683+/-0.003 χ^2/NDF:3195021.0/35

Out: 18.912+/-0.003 χ^2/NDF:3199231.8/39

All: 18.798+/-0.002 χ^2/NDF: 6397349.2/75



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:26.3/19

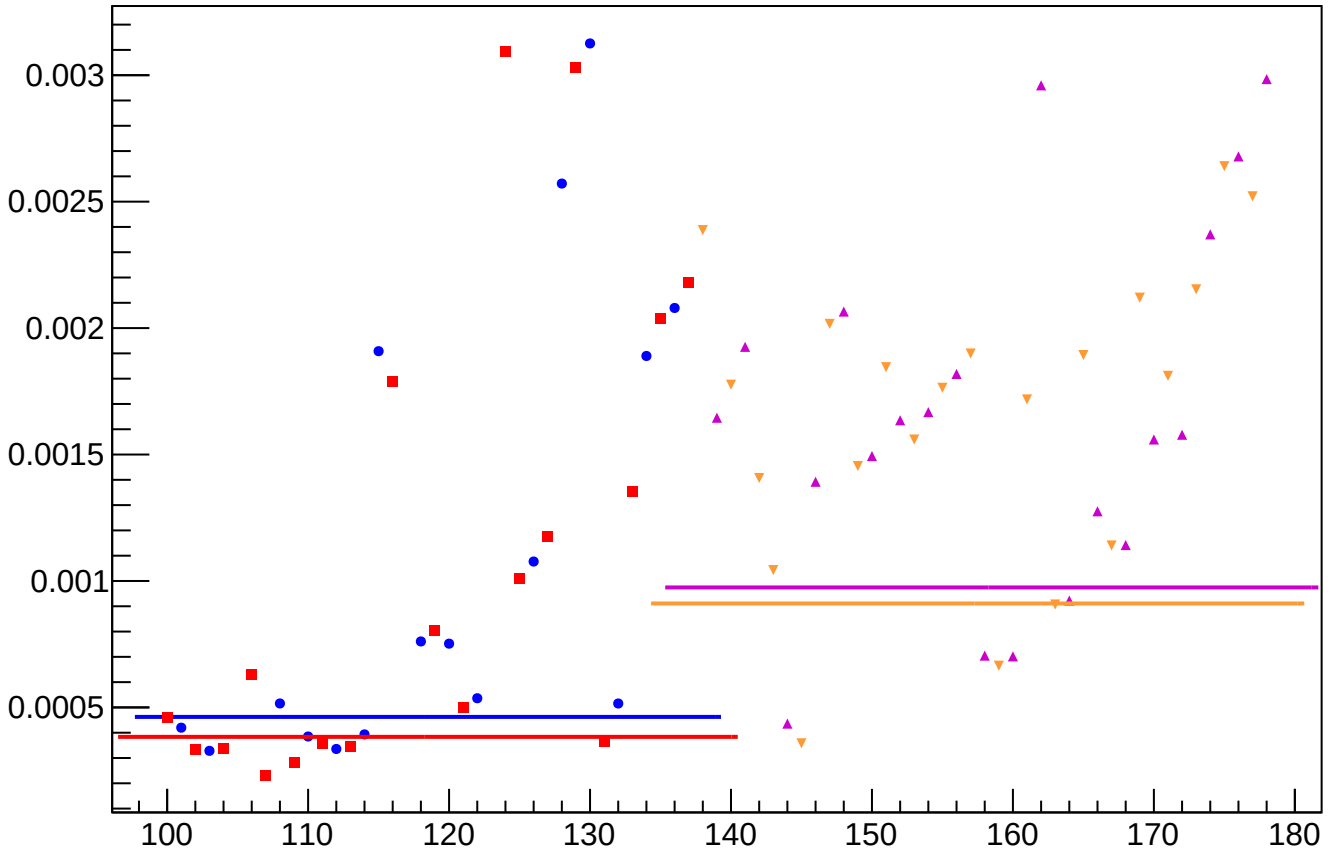
Left: 0.000+/-0.000 χ^2/NDF: 58.2/40

Right: -0.000+/-0.000 χ^2/NDF: 36.2/34

In: -0.000+/-0.000 χ^2/NDF:41.9/35

Out: 0.000+/-0.000 χ^2/NDF:52.6/39

All: 0.000+/-0.000 χ^2/NDF: 96.4/75



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:8252330.9/19

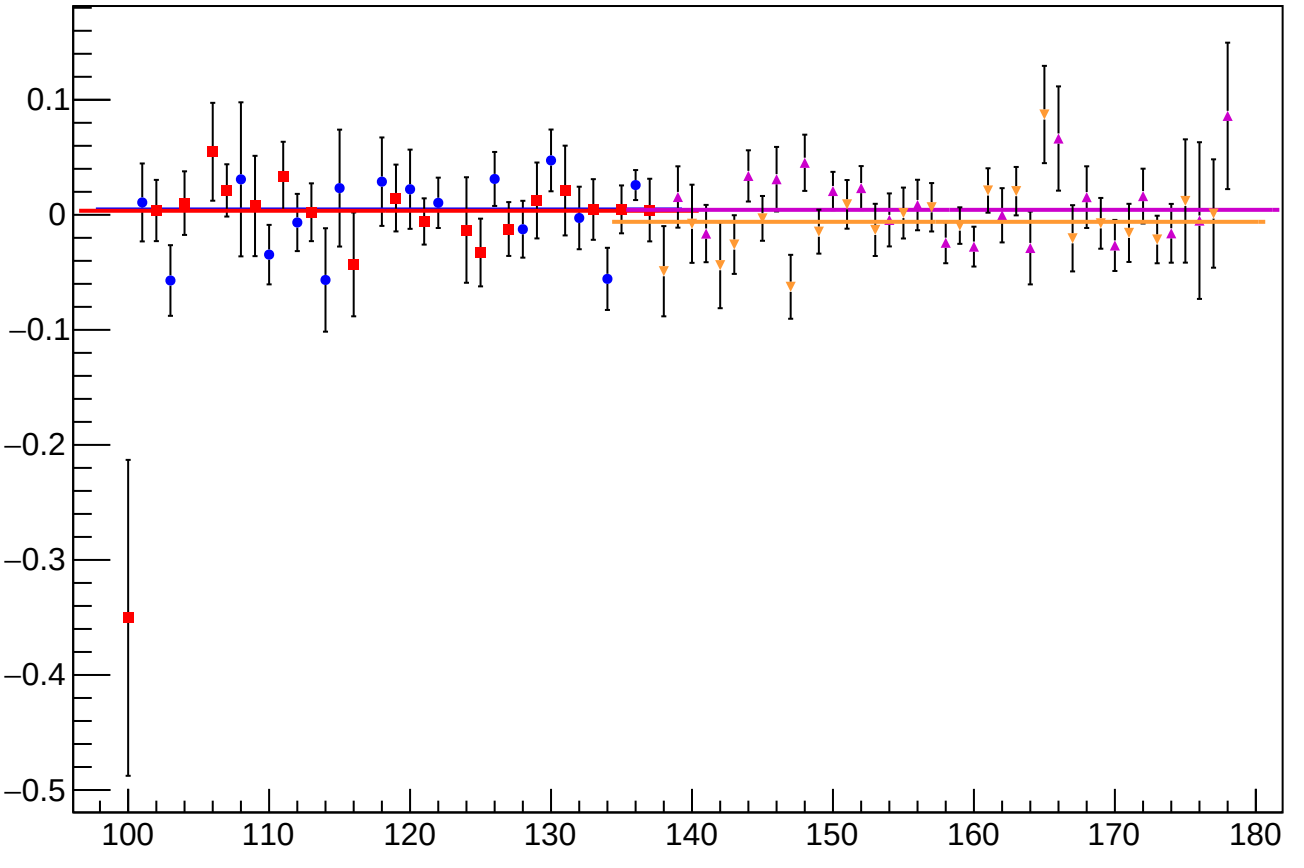
Left: 0.001+/-0.000 χ^2/NDF: 18795783.4/40

Right: 0.000+/-0.000 χ^2/NDF: 8244700.4/34

In: 0.001+/-0.000 χ^2/NDF:16468034.6/35

Out: 0.001+/-0.000 χ^2/NDF:19820782.9/39

All: 0.001+/-0.000 χ^2/NDF: 36748164.9/75



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:22.1/19

Left: -0.001+/-0.004 χ^2/NDF: 41.9/40

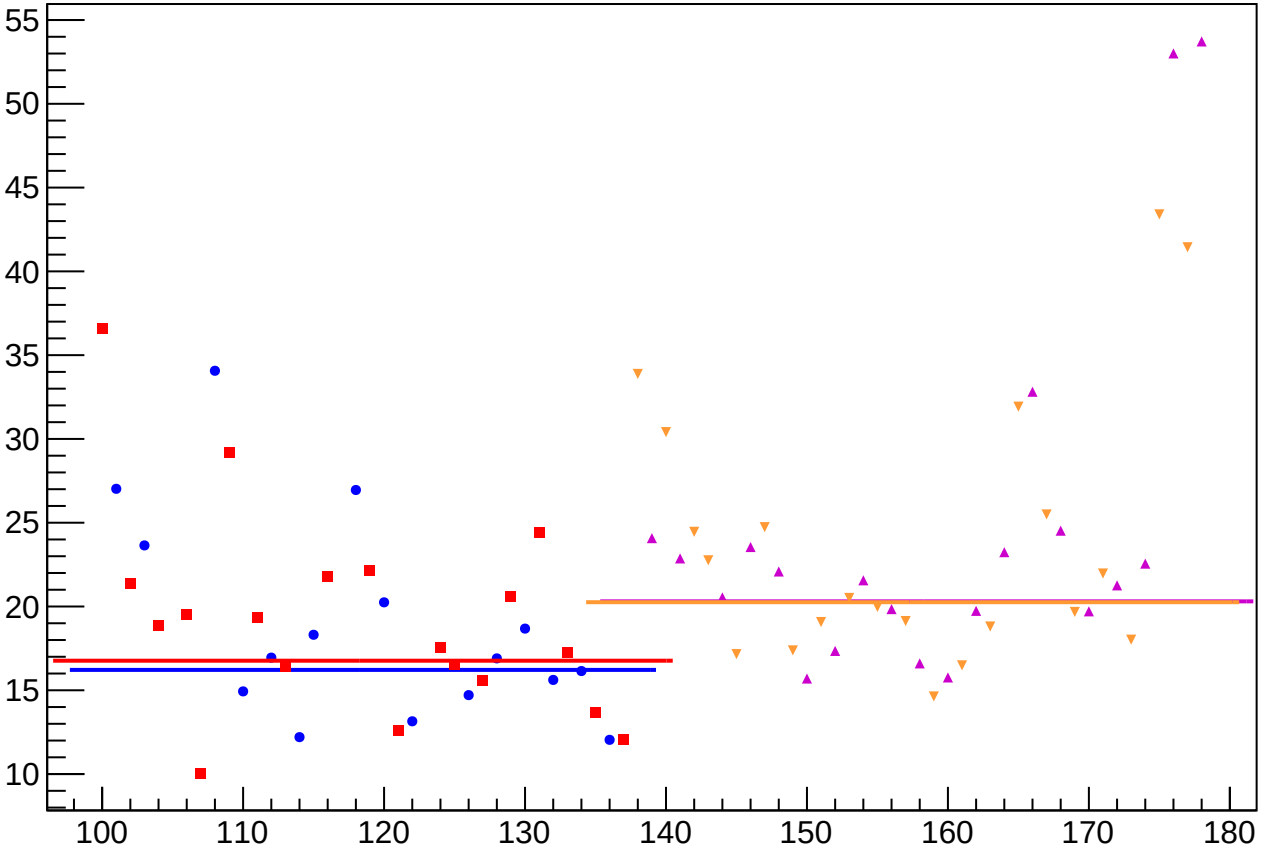
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.004 χ^2/NDF:43.6/35

Out: -0.002+/-0.004 χ^2/NDF:32.8/39

All: 0.001+/-0.003 χ^2/NDF: 77.7/75

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: 20.307+/-0.004 χ^2/NDF:1783121.0/19

Left: 20.281+/-0.003 χ^2/NDF: 3774579.2/40

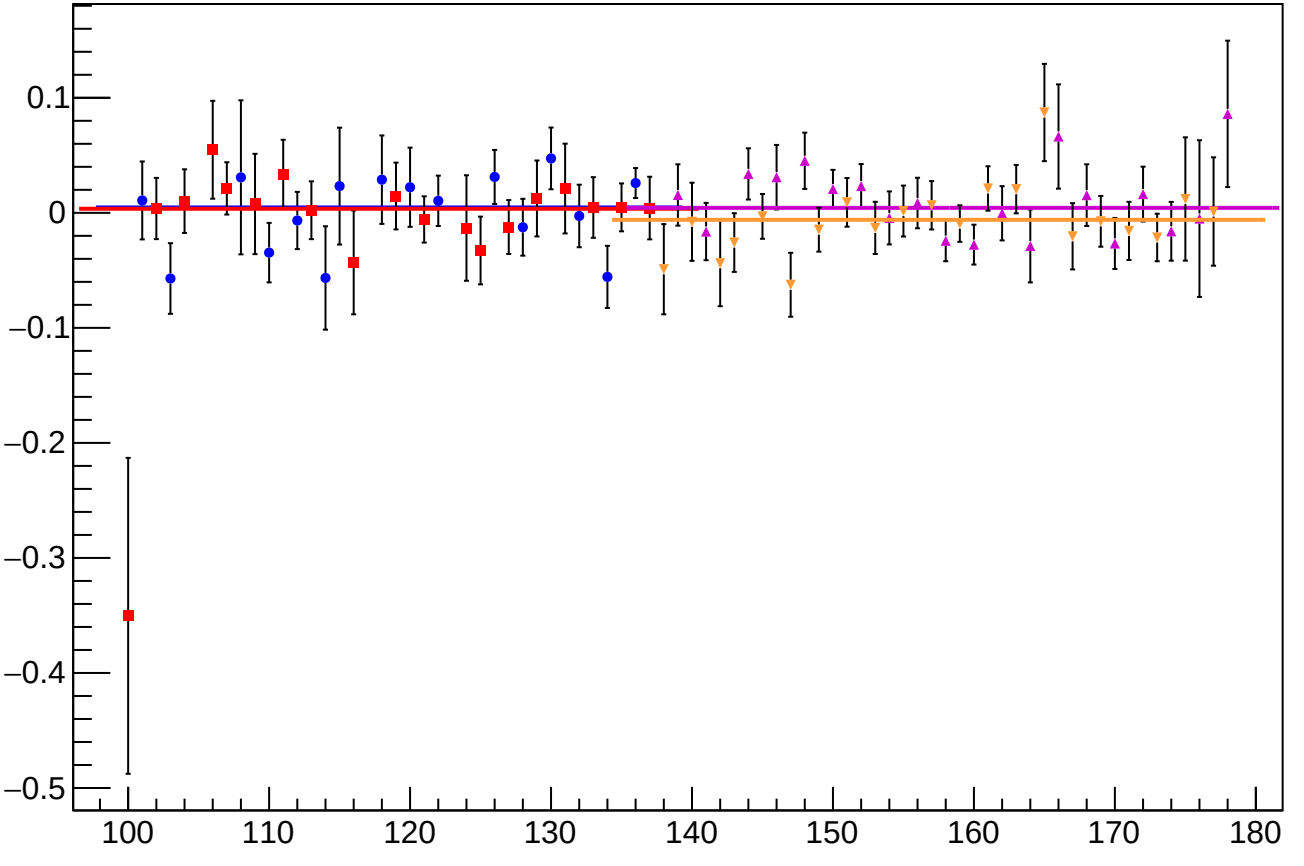
Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 18.683+/-0.003 χ^2/NDF:3195097.2/35

Out: 18.912+/-0.003 χ^2/NDF:3199313.7/39

All: 18.798+/-0.002 χ^2/NDF: 6397508.2/75

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:22.1/19

Left: -0.001+/-0.004 χ^2/NDF: 41.9/40

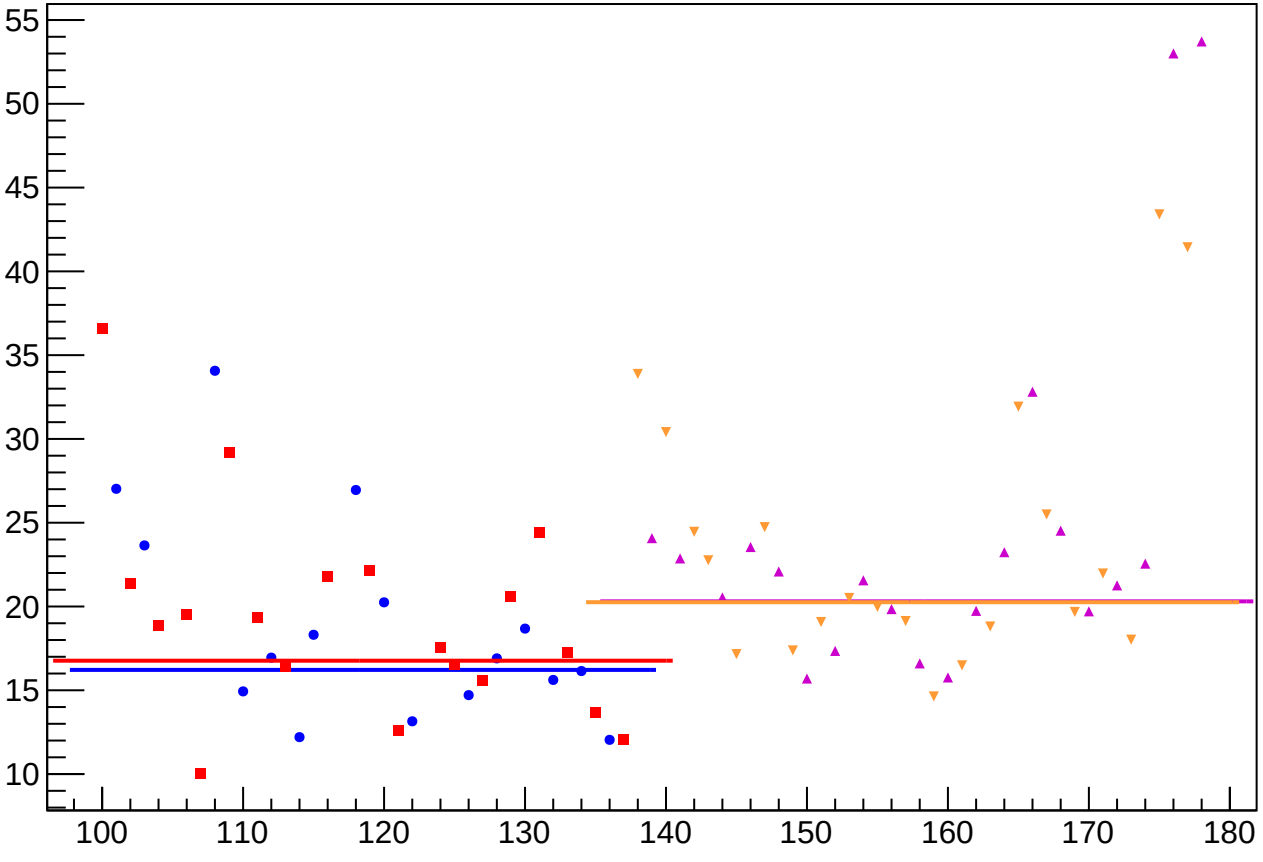
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.004 χ^2/NDF:43.6/35

Out: -0.002+/-0.004 χ^2/NDF:32.8/39

All: 0.001+/-0.003 χ^2/NDF: 77.7/75

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: 20.307+/-0.004 χ^2/NDF:1783121.0/19

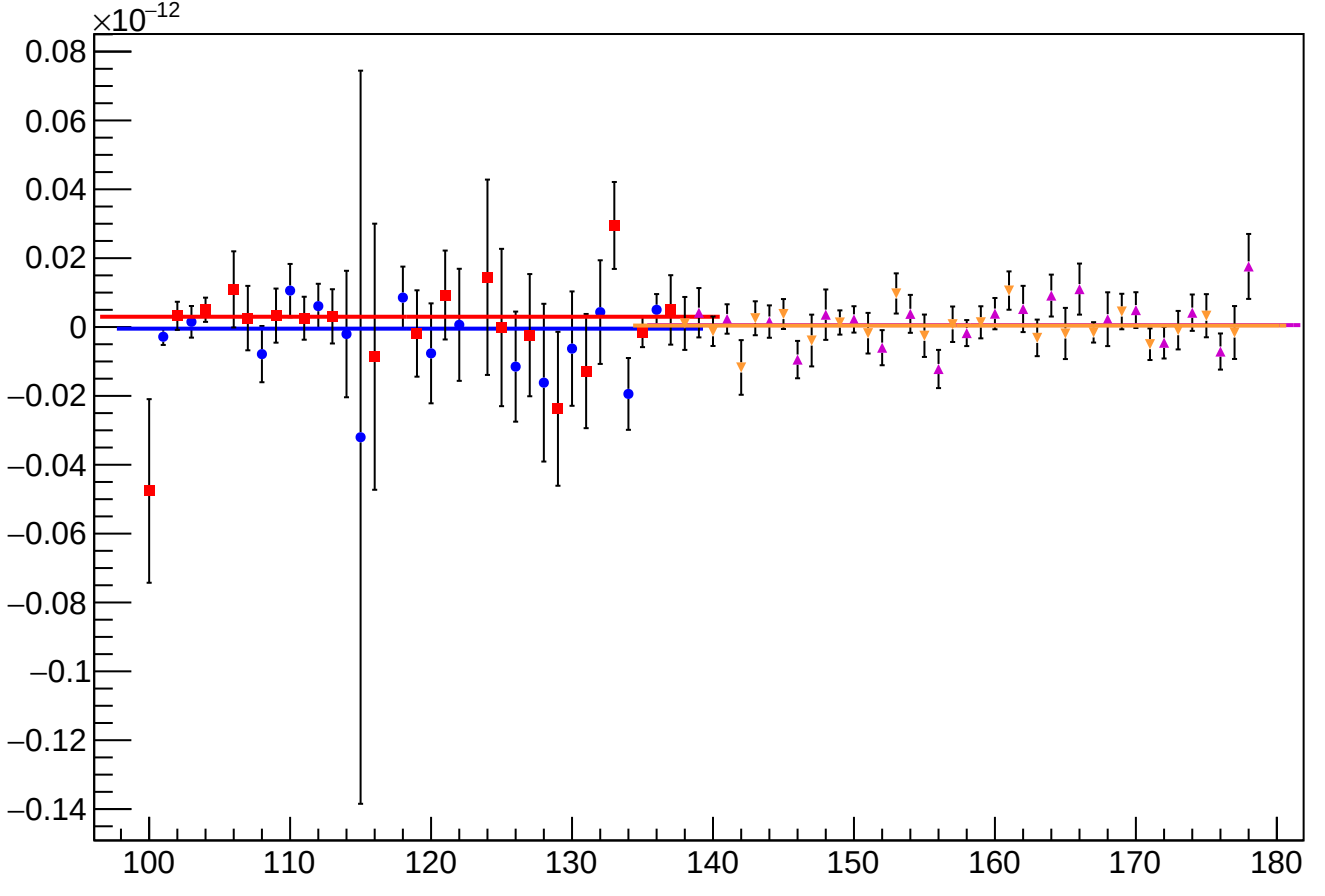
Left: 20.281+/-0.003 χ^2/NDF: 3774579.2/40

Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 18.683+/-0.003 χ^2/NDF:3195097.2/35

Out: 18.912+/-0.003 χ^2/NDF:3199313.7/39

All: 18.798+/-0.002 χ^2/NDF: 6397508.2/75



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:24.8/19

Left: 0.000+/-0.000 χ^2/NDF: 38.1/40

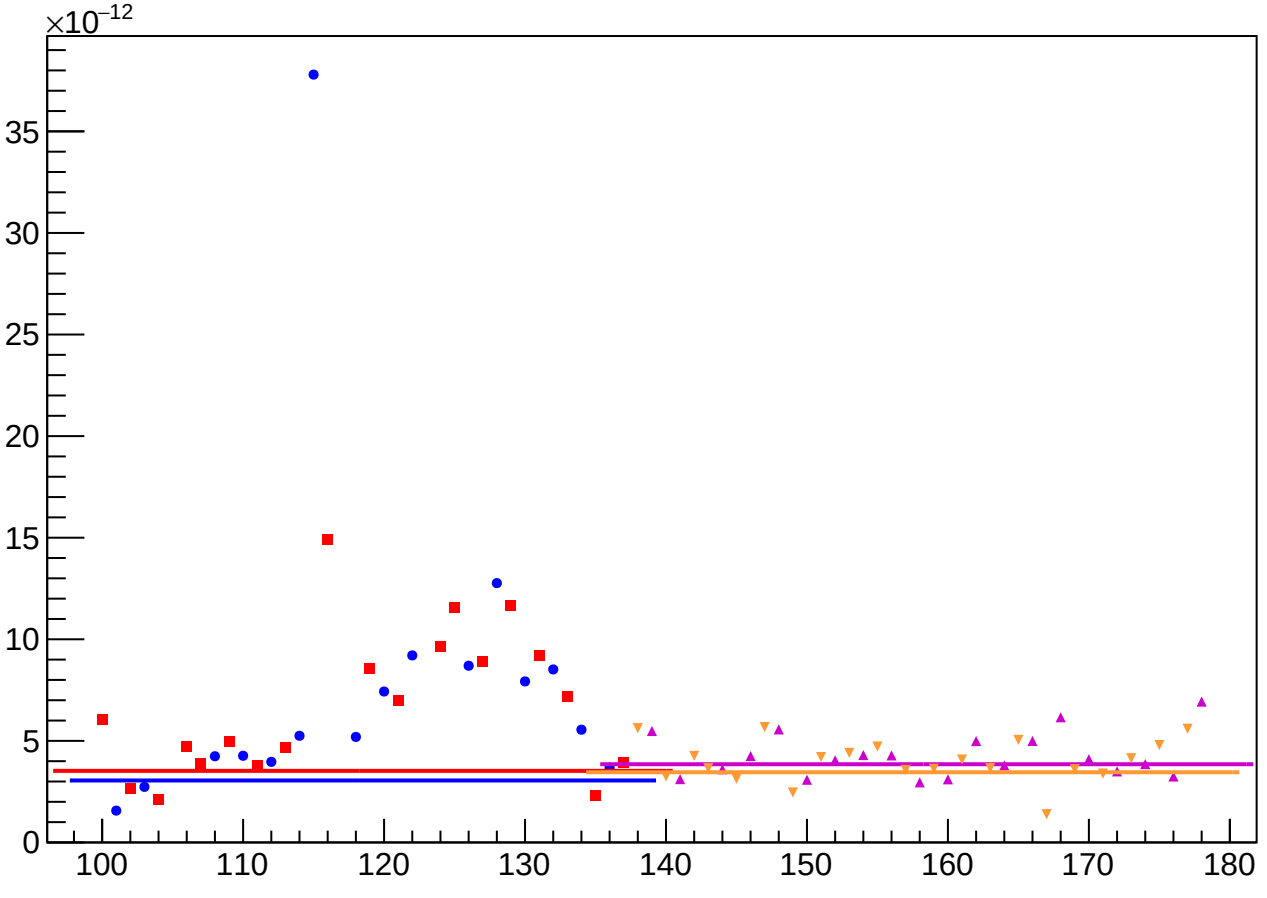
Right: 0.000+/-0.000 χ^2/NDF: 27.4/34

In: 0.000+/-0.000 χ^2/NDF:37.3/35

Out: 0.000+/-0.000 χ^2/NDF:27.8/39

All: 0.000+/-0.000 χ^2/NDF: 65.6/75

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2937232.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2080659.3/20

Right Out: 0.000+/-0.000 χ^2/NDF: 2559080.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1099004.3/19

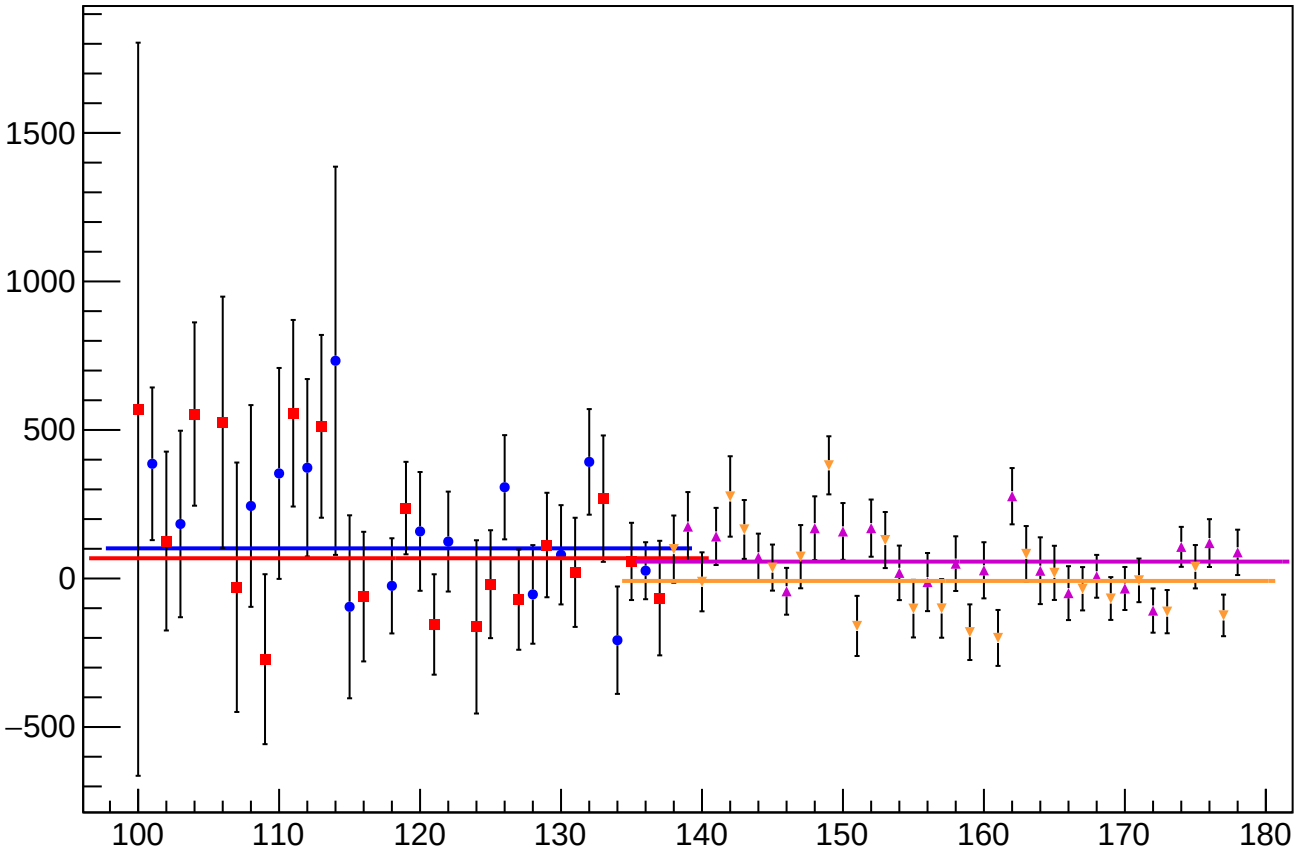
Left: 0.000+/-0.000 χ^2/NDF: 3298022.6/40

Right: 0.000+/-0.000 χ^2/NDF: 5572682.8/34

In: 0.000+/-0.000 χ^2/NDF:4350481.5/35

Out: 0.000+/-0.000 χ^2/NDF:4641851.3/39

All: 0.000+/-0.000 χ^2/NDF: 9003635.6/75



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: 56.819+/-19.315 χ^2/NDF:22.9/19

Left: 24.044+/-13.605 χ^2/NDF: 74.5/40

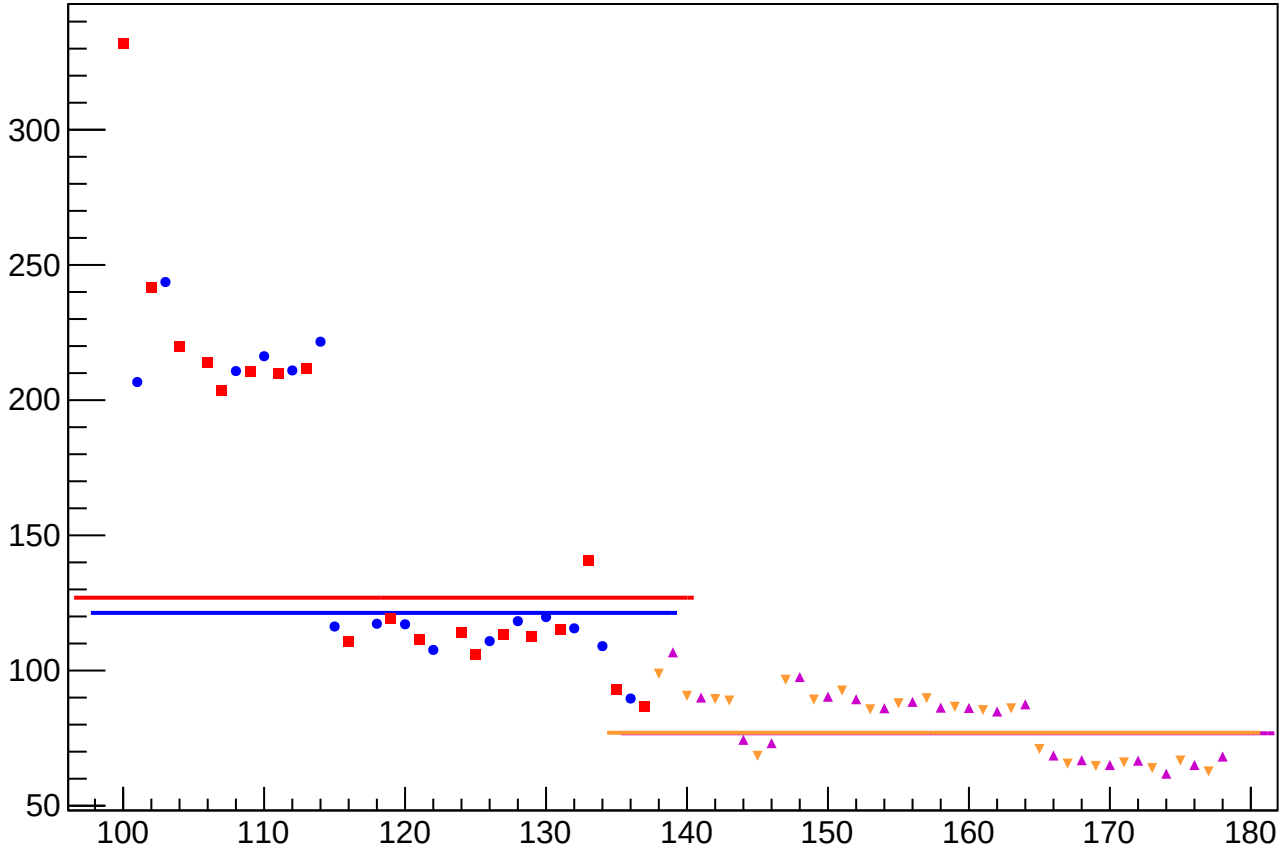
Right: 85.367+/-34.264 χ^2/NDF: 29.7/34

In: 63.123+/-17.899 χ^2/NDF:37.0/35

Out: 1.781+/-17.866 χ^2/NDF:64.1/39

All: 32.396+/-12.645 χ^2/NDF: 107.0/75

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: 76.798+/-0.014 χ^2/NDF:759117.3/19

Left: 76.902+/-0.010 χ^2/NDF: 1567695.2/40

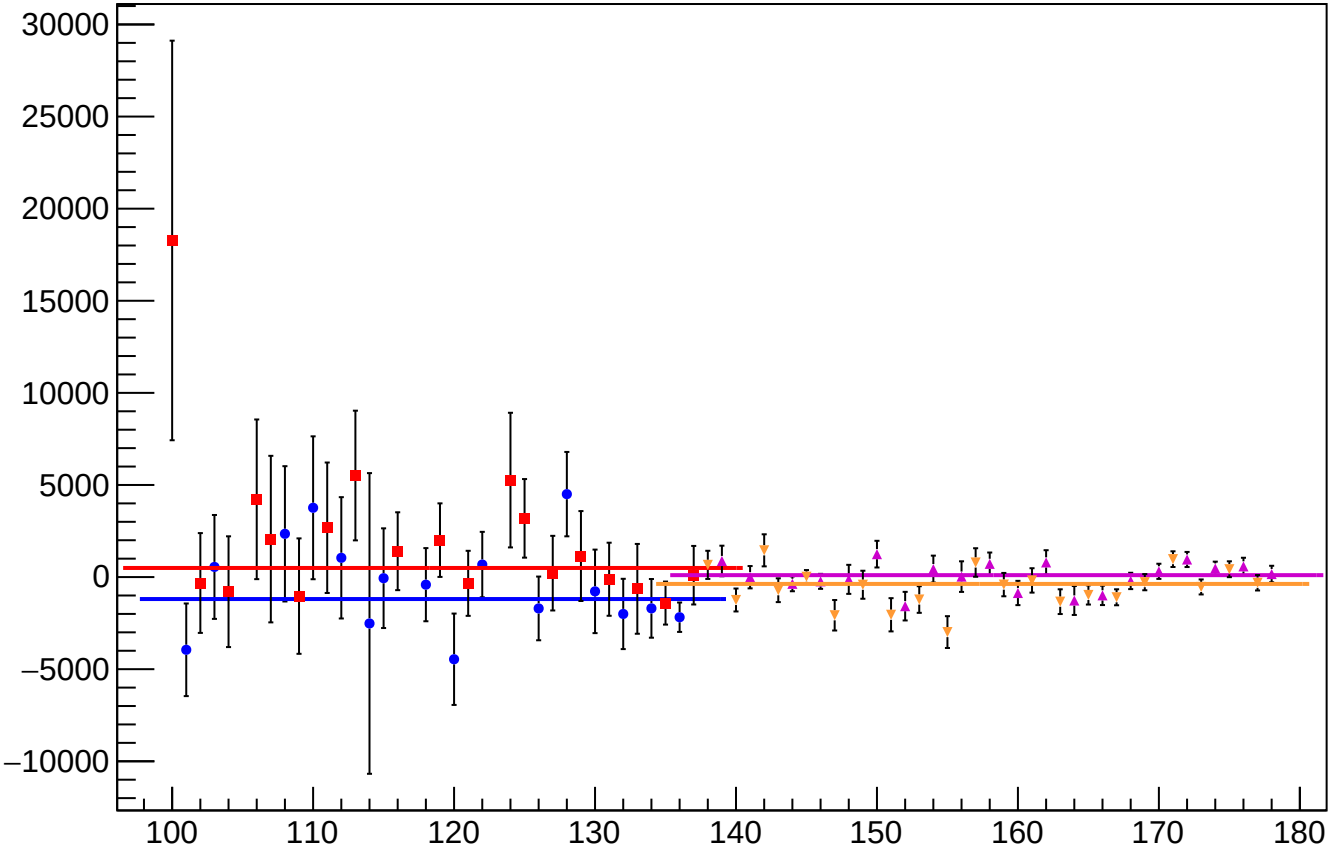
Right: 124.037+/-0.024 χ^2/NDF: 2771675.2/34

In: 83.086+/-0.013 χ^2/NDF:3546793.7/35

Out: 83.556+/-0.013 χ^2/NDF:4061166.9/39

All: 83.321+/-0.009 χ^2/NDF: 7608648.9/75

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: 104.782+/-118.702 χ^2/NDF:29.1/19

Left: -129.878+/-84.580 χ^2/NDF: 87.1/40

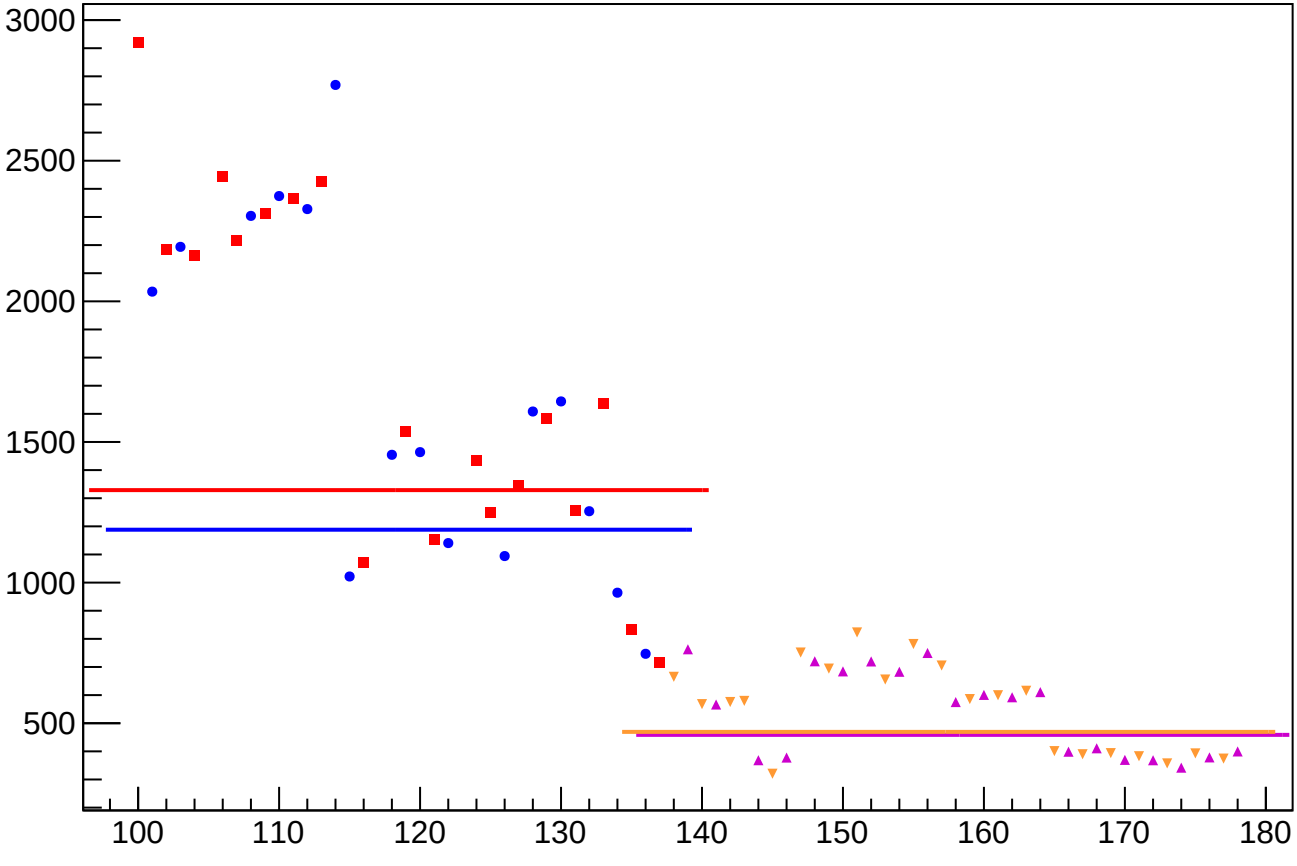
Right: -420.866+/-352.816 χ^2/NDF: 35.5/34

In: 29.716+/-115.216 χ^2/NDF:51.9/35

Out: -327.978+/-117.453 χ^2/NDF:66.5/39

All: -145.692+/-82.249 χ^2/NDF: 123.2/75

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: 458.621+/-0.084 χ^2/NDF:2435845.0/19

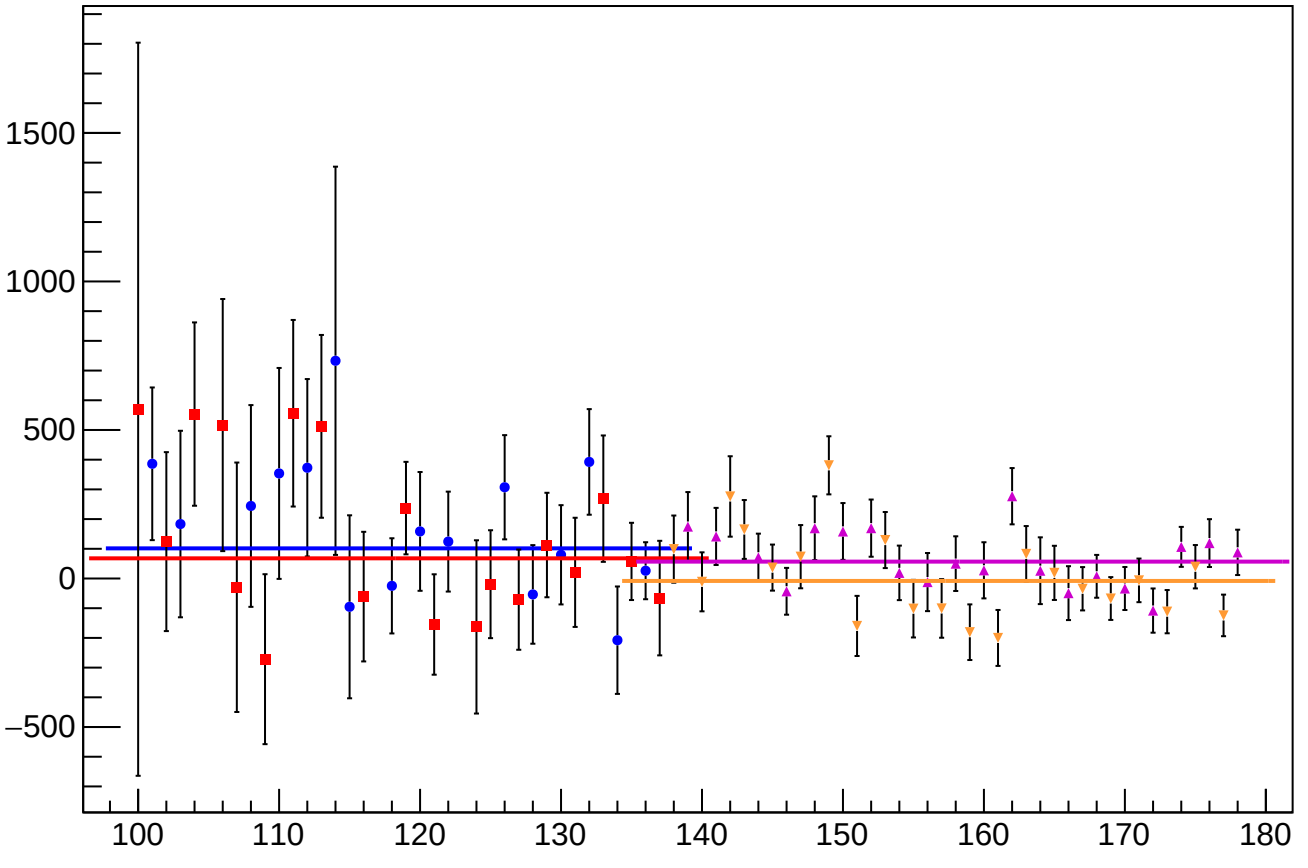
Left: 463.863+/-0.060 χ^2/NDF: 5147225.5/40

Right: 1252.427+/-0.249 χ^2/NDF: 4081382.8/34

In: 500.840+/-0.081 χ^2/NDF:8851899.3/35

Out: 512.827+/-0.083 χ^2/NDF:9814094.3/39

All: 506.718+/-0.058 χ^2/NDF: 18676608.9/75



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: 56.817+/-19.315 χ^2/NDF:22.9/19

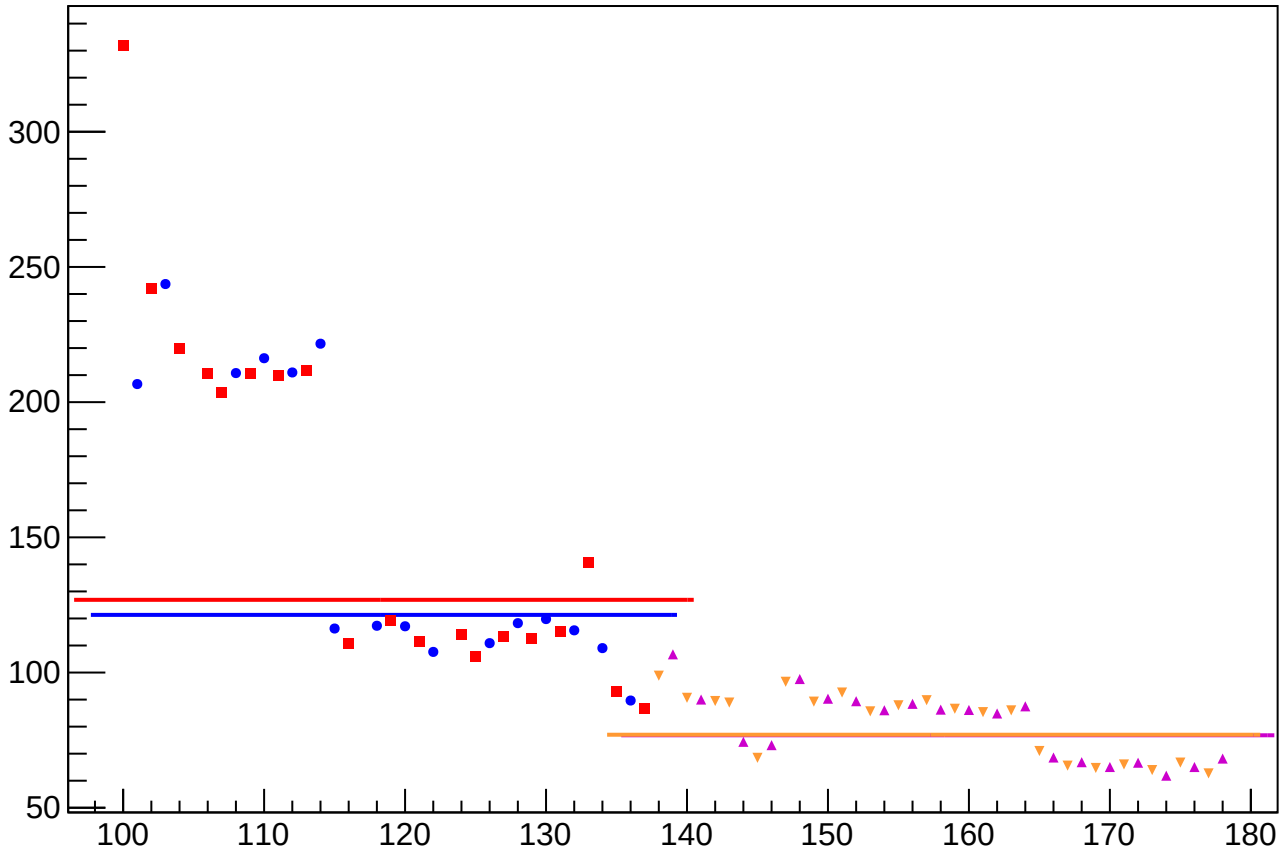
Left: 24.043+/-13.605 χ^2/NDF: 74.5/40

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 63.120+/-17.899 χ^2/NDF:37.0/35

Out: 1.750+/-17.866 χ^2/NDF:64.0/39

All: 32.379+/-12.645 χ^2/NDF: 106.9/75



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: 76.798+/-0.014 χ^2/NDF:759117.3/19

Left: 76.902+/-0.010 χ^2/NDF: 1567695.2/40

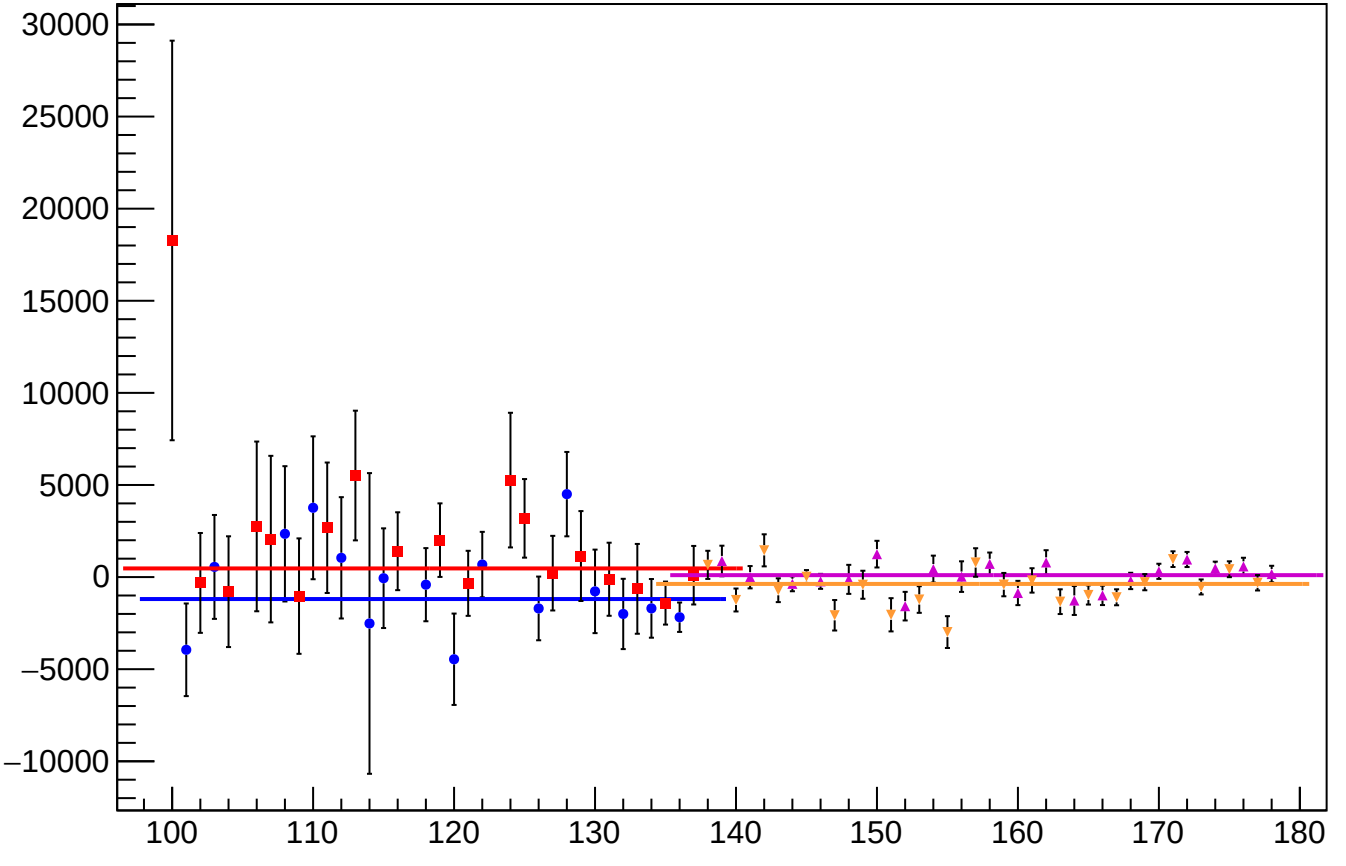
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 83.086+/-0.013 χ^2/NDF:3546795.8/35

Out: 83.548+/-0.013 χ^2/NDF:4051294.7/39

All: 83.318+/-0.009 χ^2/NDF: 7598757.5/75

asym_sam_26_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -371.886+/-120.547 χ^2/NDF:50.0/20

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: 104.782+/-118.702 χ^2/NDF:29.1/19

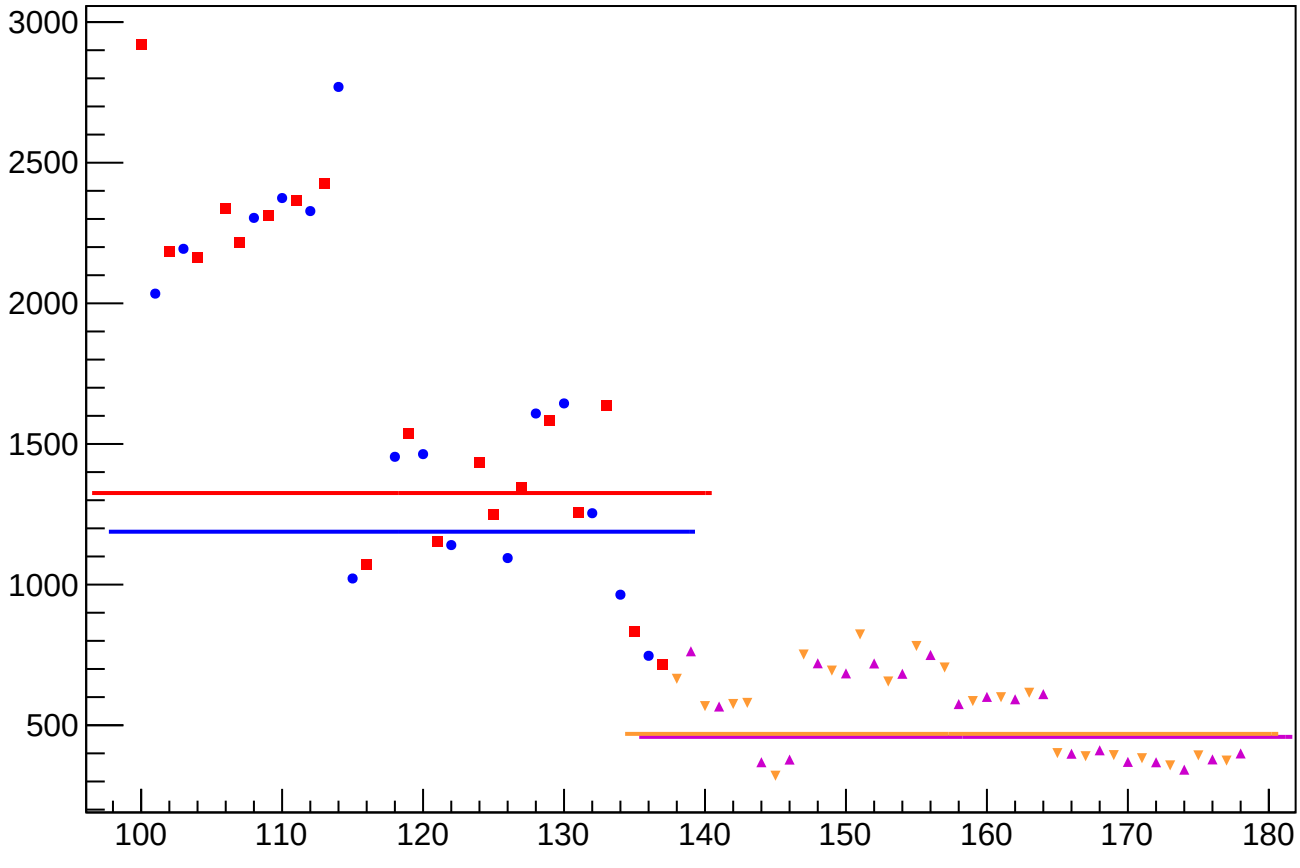
Left: -129.877+/-84.580 χ^2/NDF: 87.1/40

Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: 29.718+/-115.216 χ^2/NDF:51.9/35

Out: -329.307+/-117.458 χ^2/NDF:65.8/39

All: -146.335+/-82.251 χ^2/NDF: 122.5/75



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: 458.620+/-0.084 χ^2/NDF:2435849.9/19

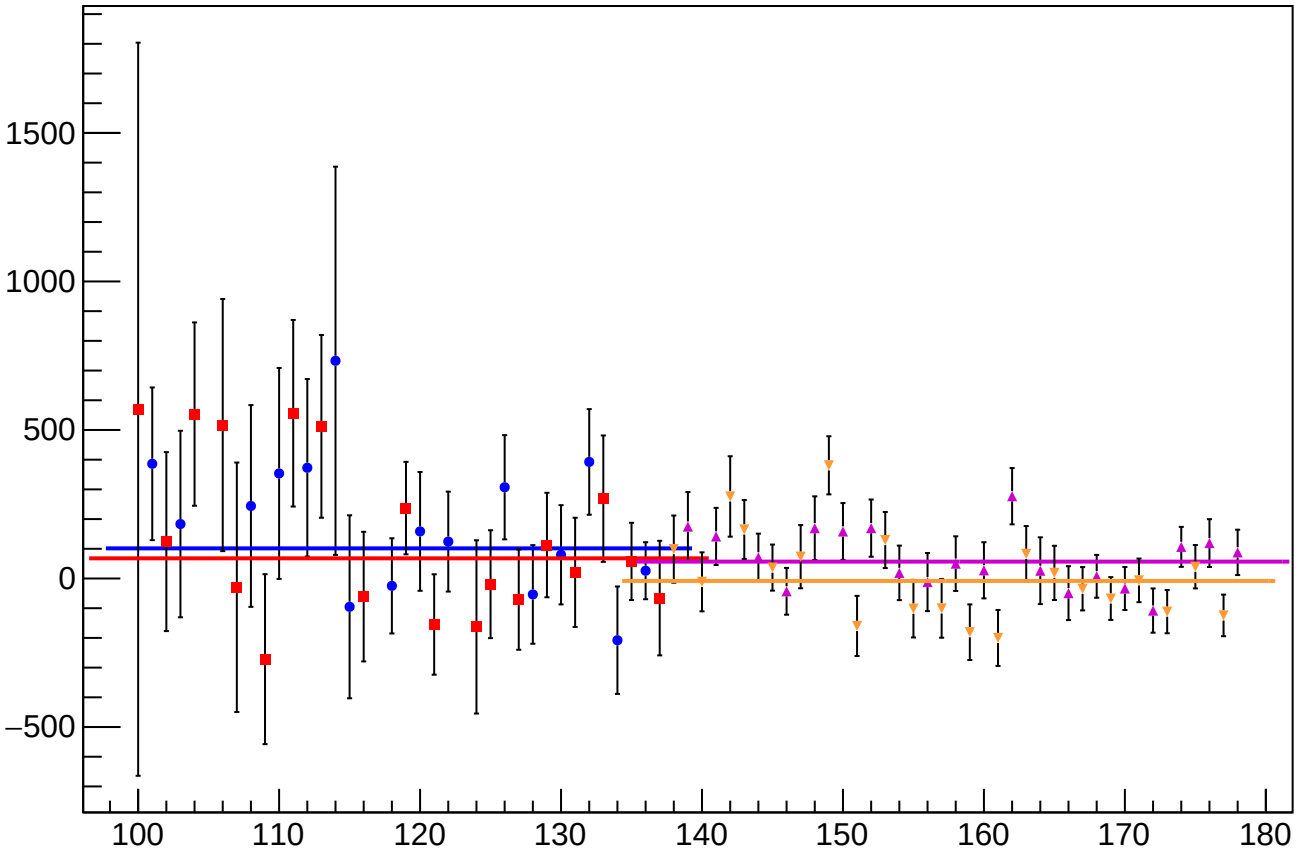
Left: 463.863+/-0.060 χ^2/NDF: 5147239.0/40

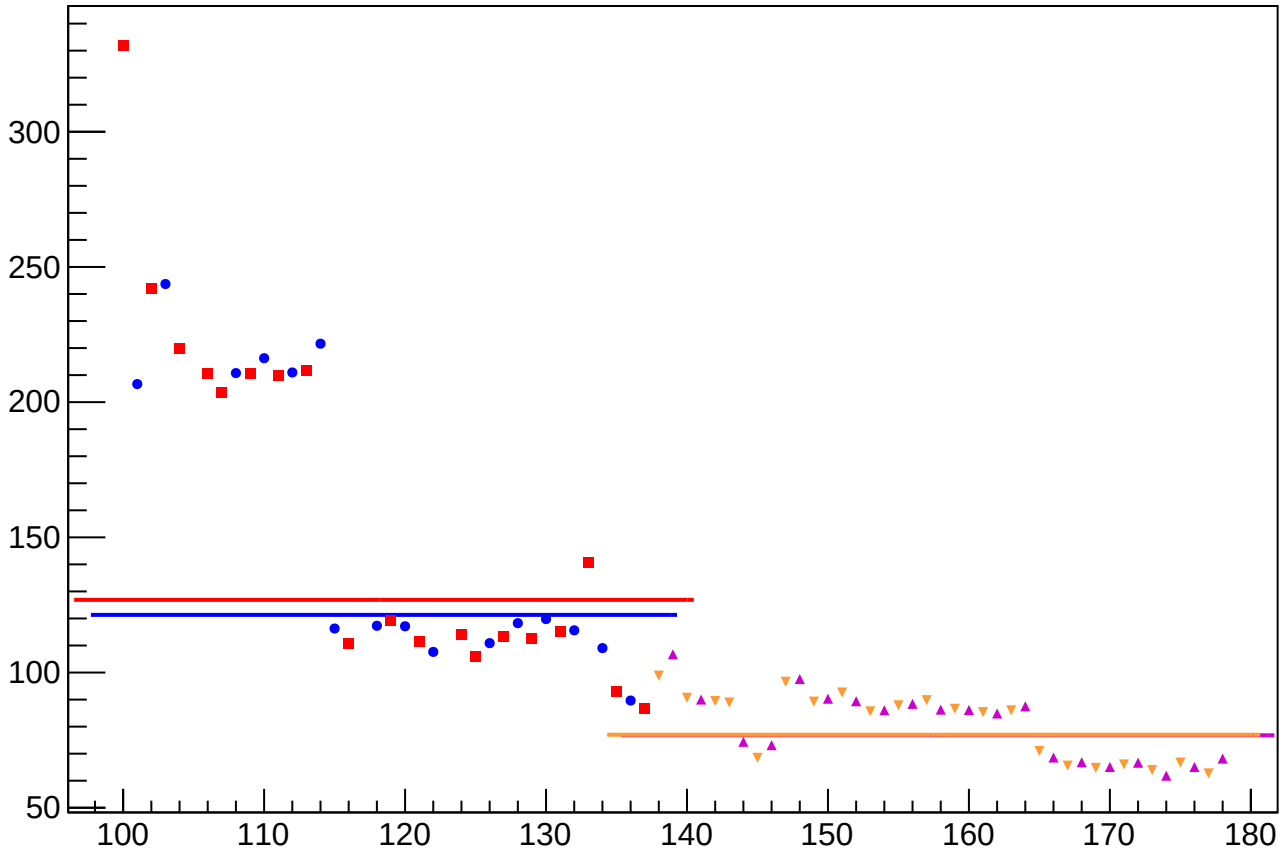
Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 500.840+/-0.081 χ^2/NDF:8851921.2/35

Out: 512.591+/-0.083 χ^2/NDF:9730098.1/39

All: 506.602+/-0.058 χ^2/NDF: 18592220.7/75


eigen_cor_asym_sam_26_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
100
110
120
130
140
150
160
170
180
Right In: 101.446+/-47.631 χ²/NDF: 13.3/15
Left Out: -8.234+/-19.168 χ²/NDF:45.9/20
Right Out: 67.881+/-49.331 χ²/NDF: 16.1/18
Left In: 56.817+/-19.315 χ²/NDF:22.9/19
Left: 24.043+/-13.605 χ²/NDF: 74.5/40
Right: 85.252+/-34.265 χ²/NDF: 29.7/34
In: 63.120+/-17.899 χ²/NDF:37.0/35
Out: 1.750+/-17.866 χ²/NDF:64.0/39
All: 32.379+/-12.645 χ²/NDF: 106.9/75



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: 76.798+/-0.014 χ^2/NDF:759117.3/19

Left: 76.902+/-0.010 χ^2/NDF: 1567695.2/40

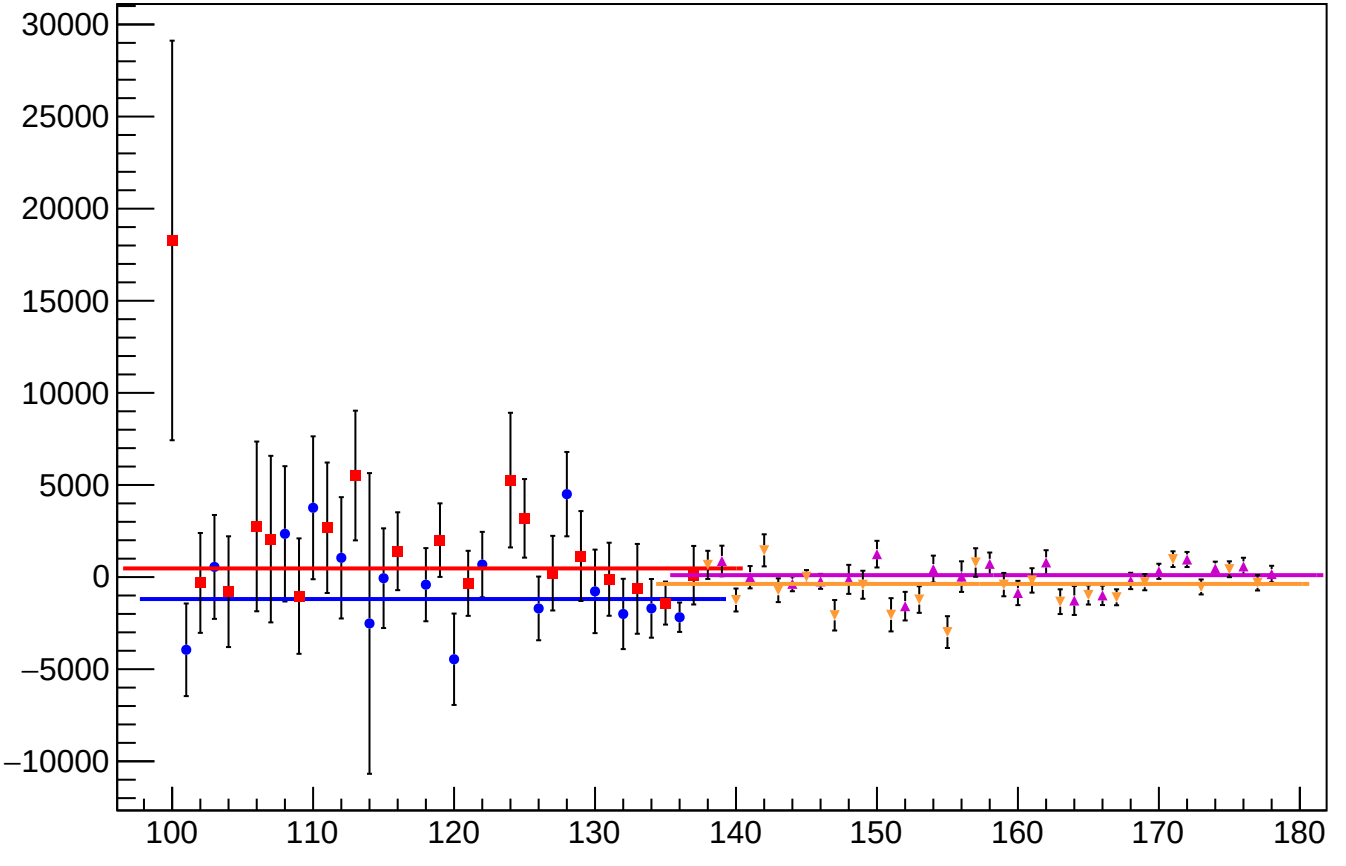
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 83.086+/-0.013 χ^2/NDF:3546795.8/35

Out: 83.548+/-0.013 χ^2/NDF:4051294.7/39

All: 83.318+/-0.009 χ^2/NDF: 7598757.5/75

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: 104.782+/-118.702 χ^2/NDF:29.1/19

Left: -129.877+/-84.580 χ^2/NDF: 87.1/40

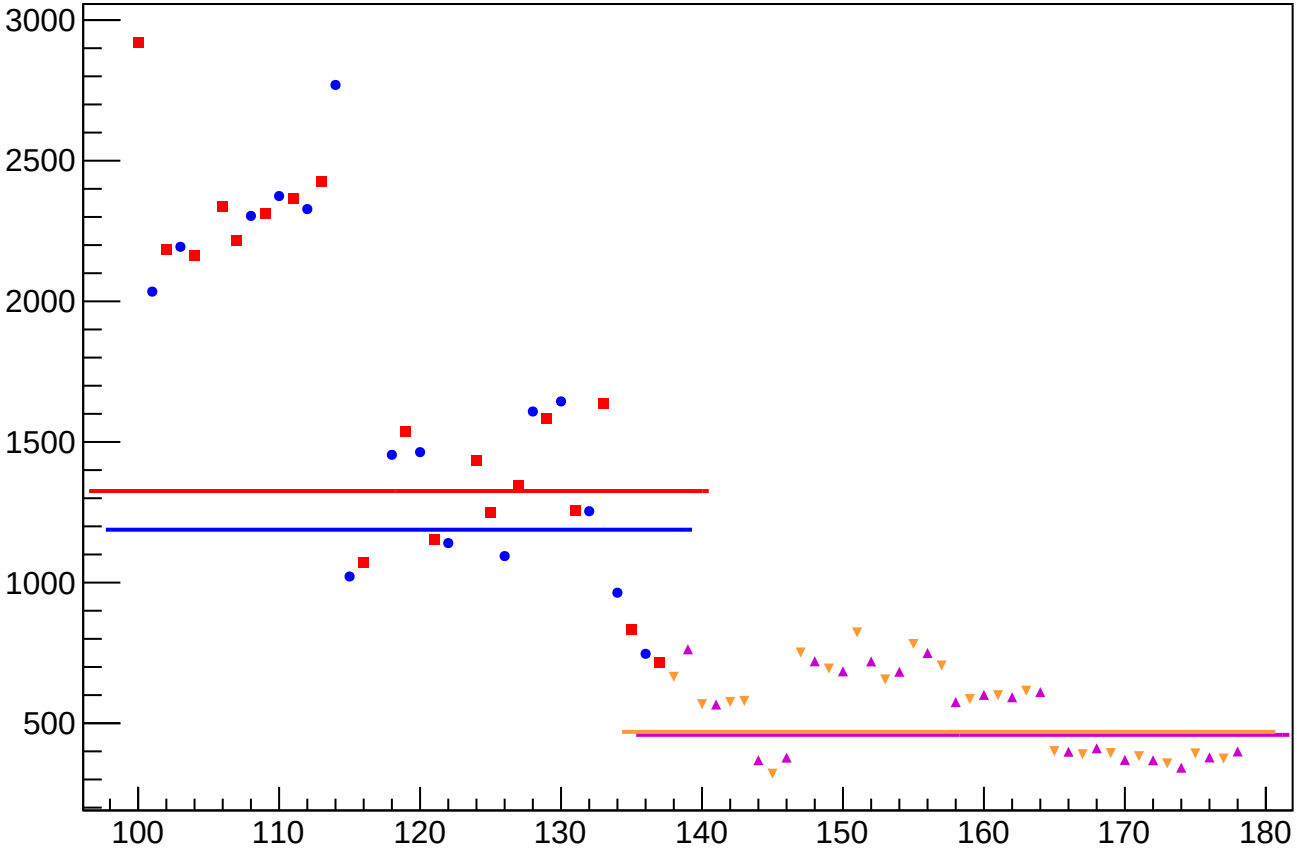
Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: 29.718+/-115.216 χ^2/NDF:51.9/35

Out: -329.307+/-117.458 χ^2/NDF:65.8/39

All: -146.335+/-82.251 χ^2/NDF: 122.5/75

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: 458.620+/-0.084 χ^2/NDF:2435849.9/19

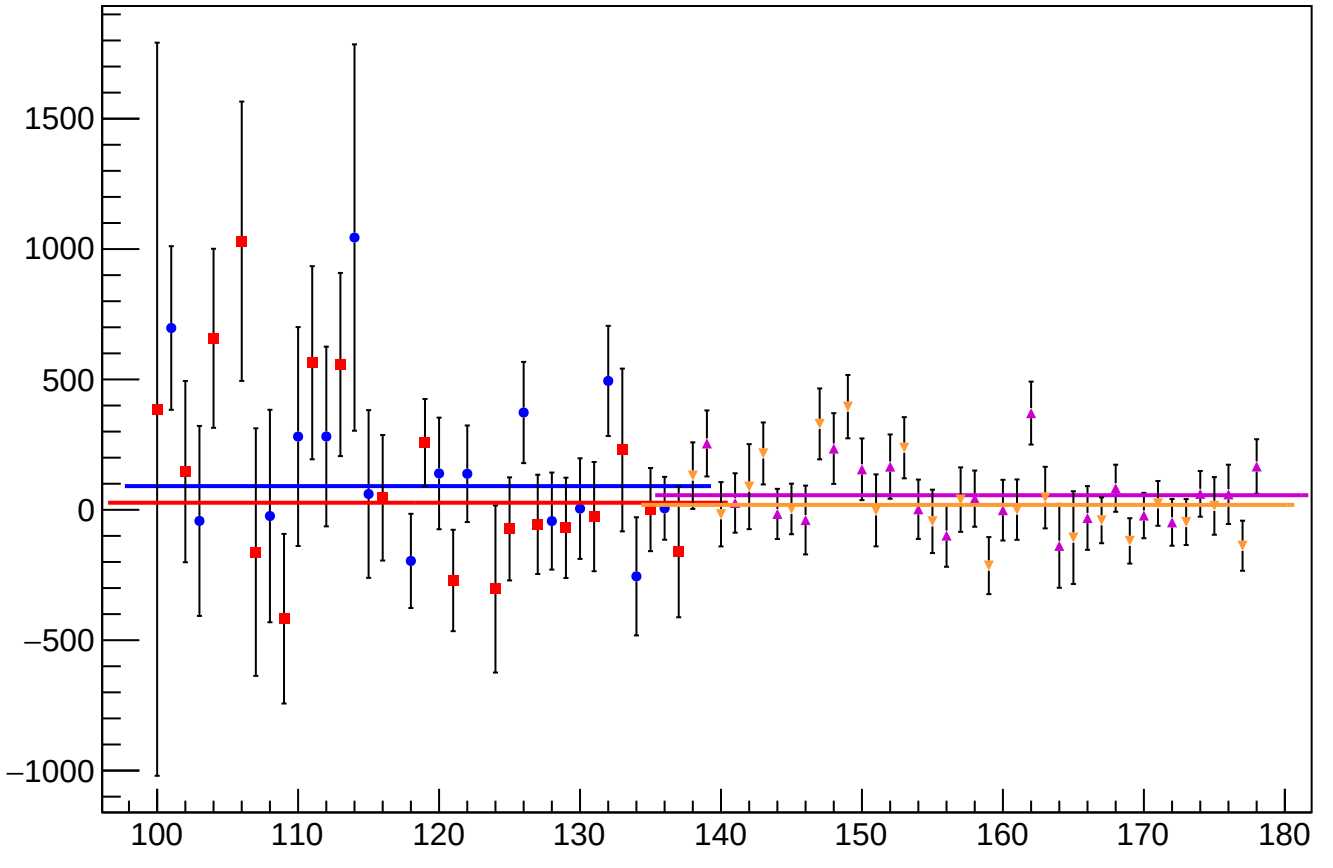
Left: 463.863+/-0.060 χ^2/NDF: 5147239.0/40

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 500.840+/-0.081 χ^2/NDF:8851921.2/35

Out: 512.591+/-0.083 χ^2/NDF:9730098.1/39

All: 506.602+/-0.058 χ^2/NDF: 18592220.7/75



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: 56.002+/-24.571 χ^2/NDF:21.1/19

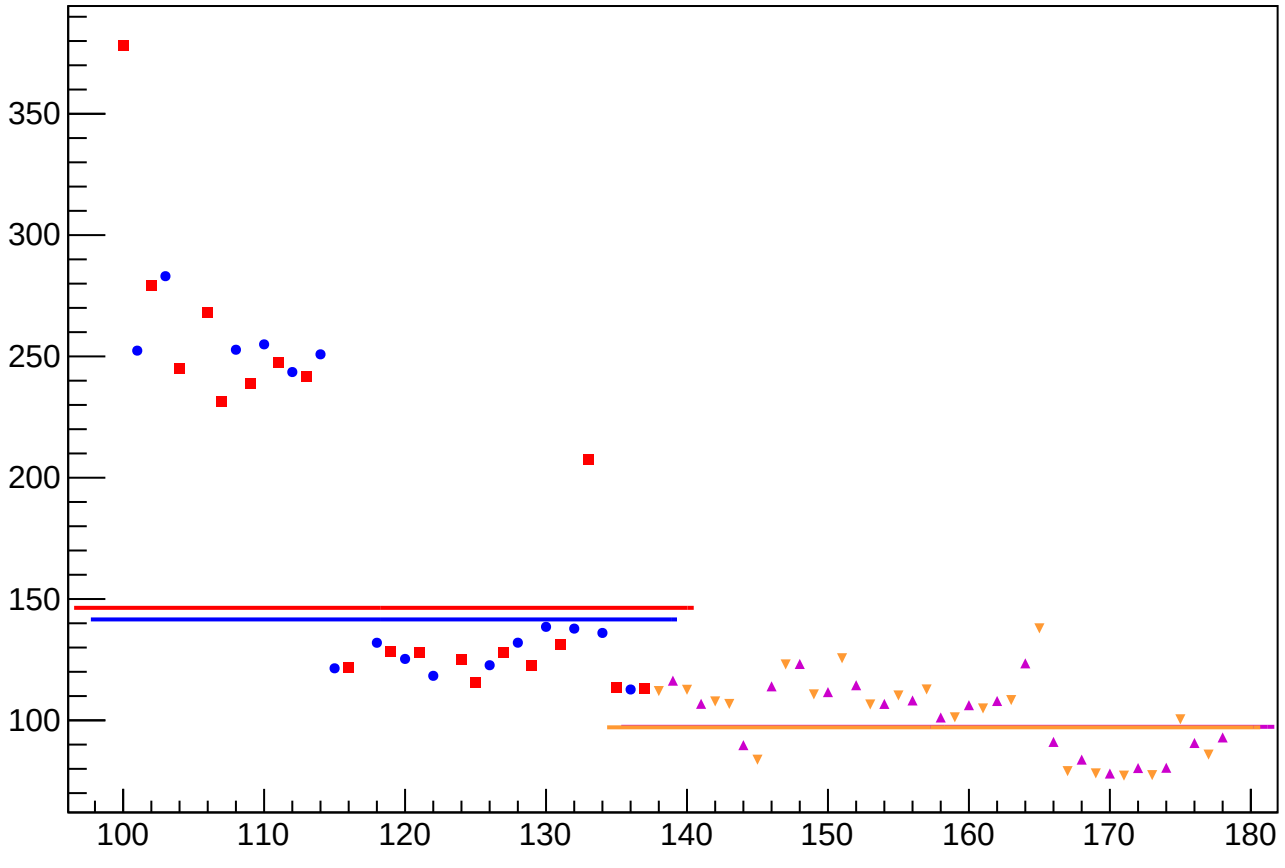
Left: 37.226+/-17.262 χ^2/NDF: 56.1/40

Right: 59.860+/-39.793 χ^2/NDF: 39.3/34

In: 61.711+/-22.472 χ^2/NDF:39.5/35

Out: 20.191+/-22.321 χ^2/NDF:54.4/39

All: 40.811+/-15.836 χ^2/NDF: 95.6/75



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: 97.325+/-0.017 χ^2/NDF:661589.3/19

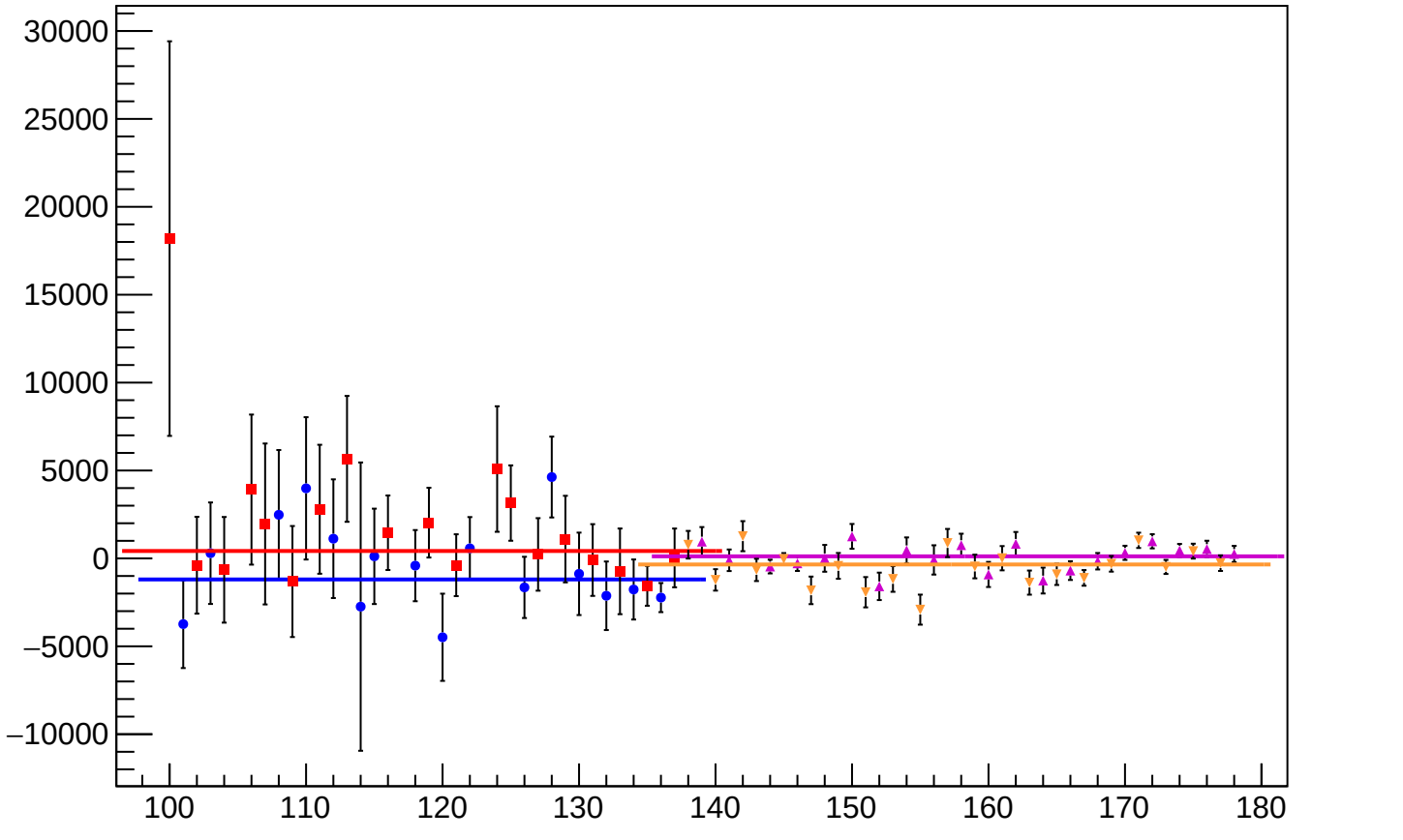
Left: 97.218+/-0.012 χ^2/NDF: 1582780.1/40

Right: 143.916+/-0.028 χ^2/NDF: 2783239.3/34

In: 104.564+/-0.016 χ^2/NDF:2985452.3/35

Out: 104.663+/-0.016 χ^2/NDF:3698614.4/39

All: 104.614+/-0.011 χ^2/NDF: 6684085.9/75



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: 118.558+/-119.768 χ^2/NDF:28.6/19

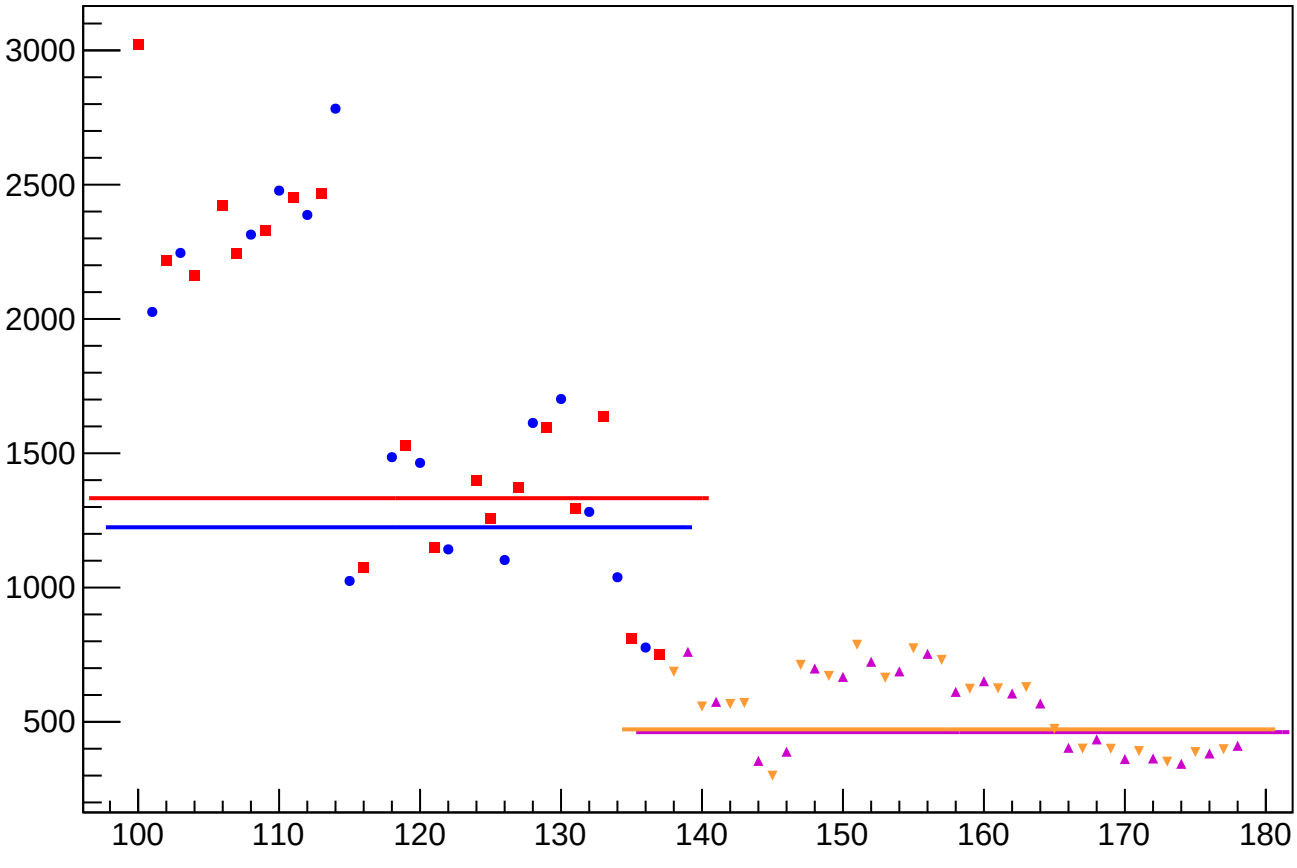
Left: -110.626+/-85.157 χ^2/NDF: 84.0/40

Right: -438.942+/-358.384 χ^2/NDF: 35.3/34

In: 44.806+/-116.361 χ^2/NDF:51.3/35

Out: -306.033+/-117.992 χ^2/NDF:64.3/39

All: -128.172+/-82.850 χ^2/NDF: 120.1/75



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: 461.698+/-0.085 χ^2/NDF:2489045.5/19

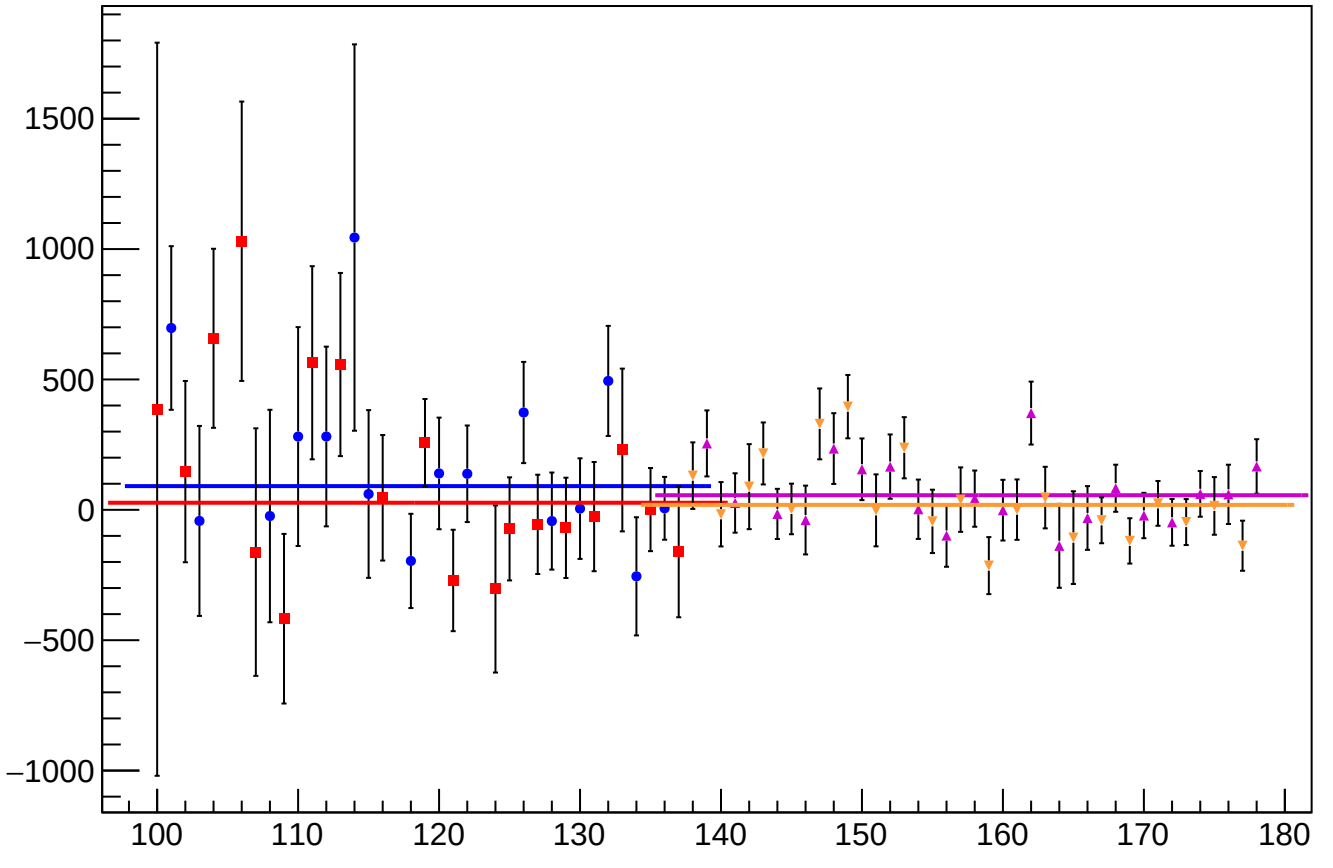
Left: 466.825+/-0.060 χ^2/NDF: 5283179.0/40

Right: 1275.169+/-0.253 χ^2/NDF: 3999659.2/34

In: 504.471+/-0.082 χ^2/NDF:8997400.0/35

Out: 515.736+/-0.083 χ^2/NDF:9907213.8/39

All: 510.025+/-0.059 χ^2/NDF: 18913856.3/75



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: 56.000+/-24.571 χ^2/NDF:21.1/19

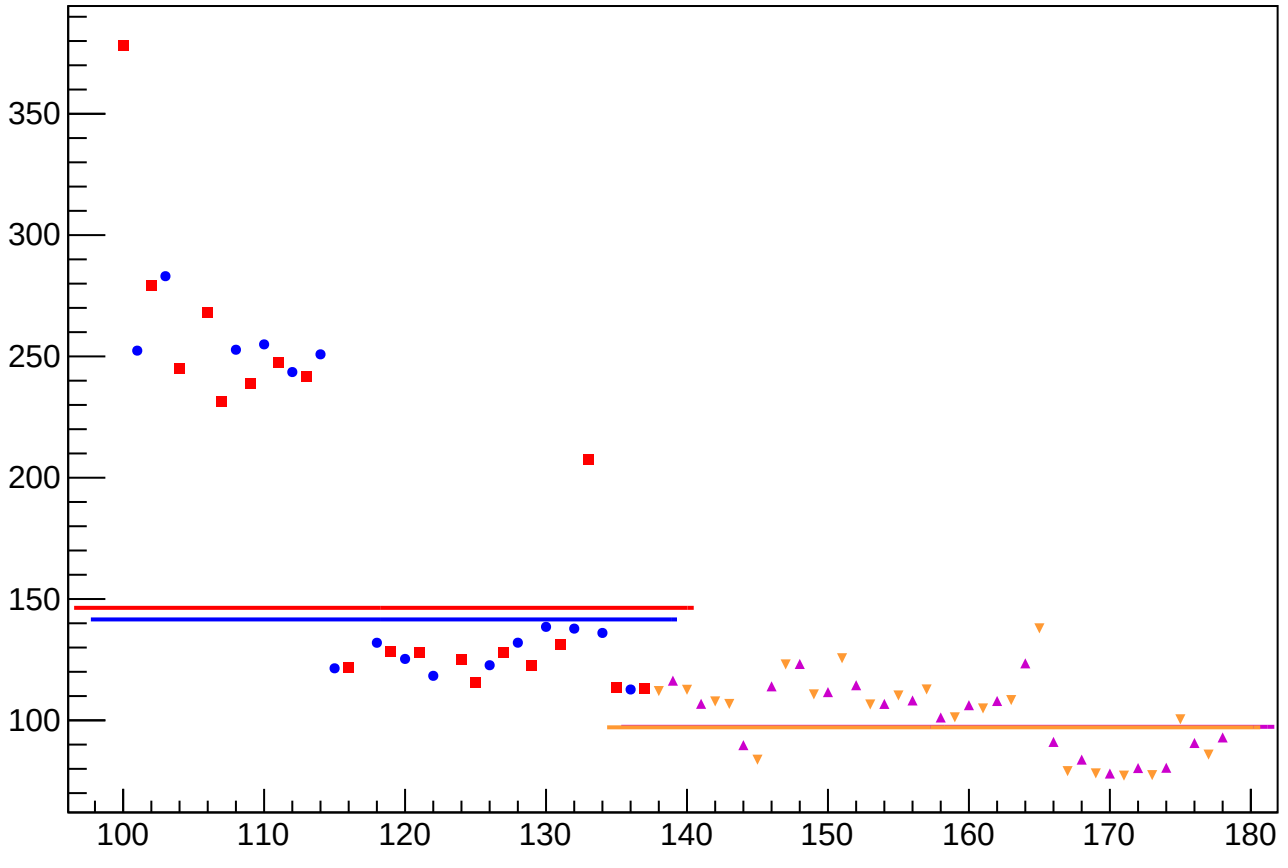
Left: 37.225+/-17.262 χ^2/NDF: 56.1/40

Right: 59.862+/-39.793 χ^2/NDF: 39.3/34

In: 61.710+/-22.472 χ^2/NDF:39.5/35

Out: 20.190+/-22.321 χ^2/NDF:54.4/39

All: 40.810+/-15.836 χ^2/NDF: 95.6/75



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: 97.325+/-0.017 χ^2/NDF:661578.7/19

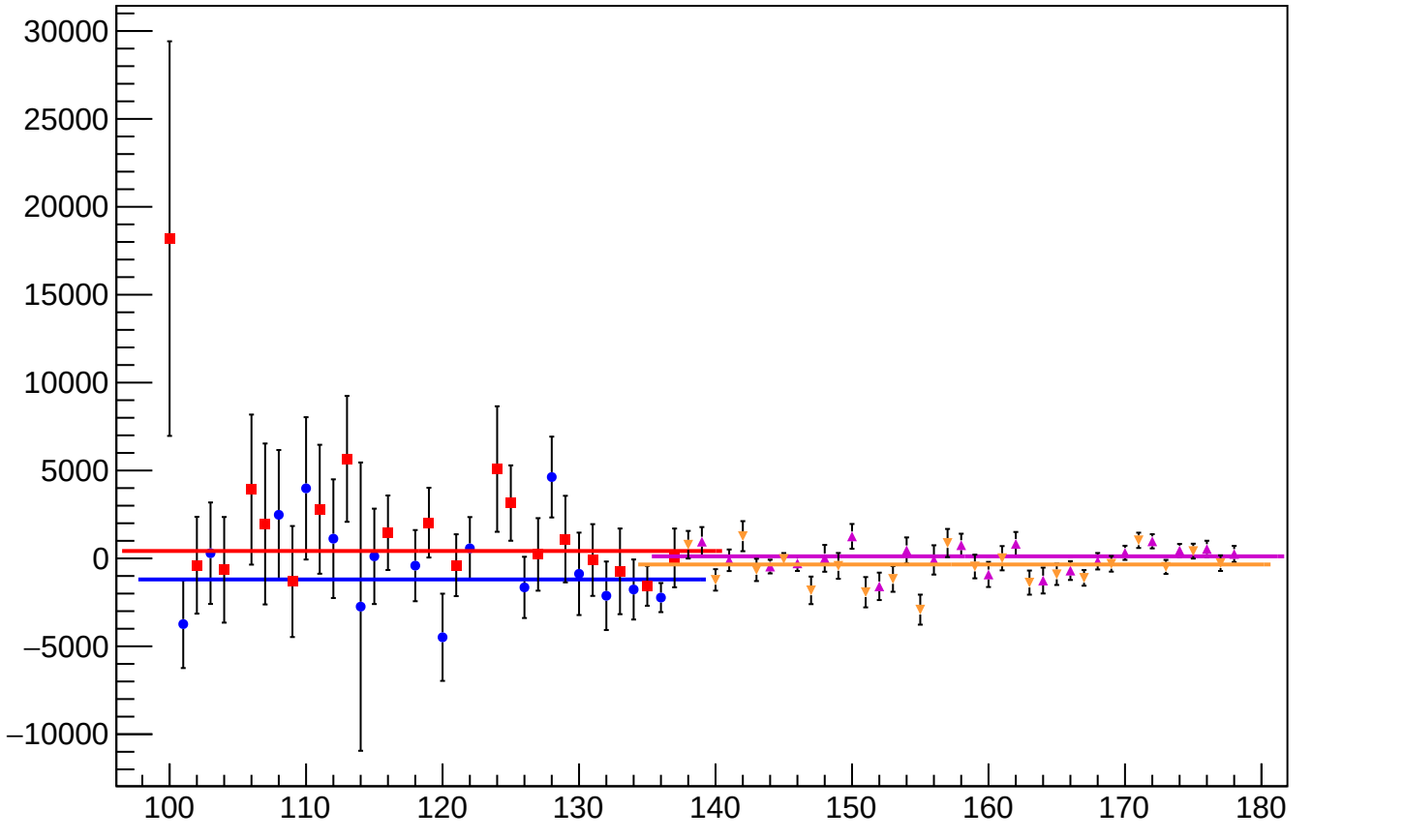
Left: 97.218+/-0.012 χ^2/NDF: 1582769.0/40

Right: 143.915+/-0.028 χ^2/NDF: 2783209.2/34

In: 104.565+/-0.016 χ^2/NDF:2985381.7/35

Out: 104.663+/-0.016 χ^2/NDF:3698575.6/39

All: 104.614+/-0.011 χ^2/NDF: 6683976.5/75



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: 118.557+/-119.768 χ^2/NDF:28.6/19

Left: -110.627+/-85.157 χ^2/NDF: 84.0/40

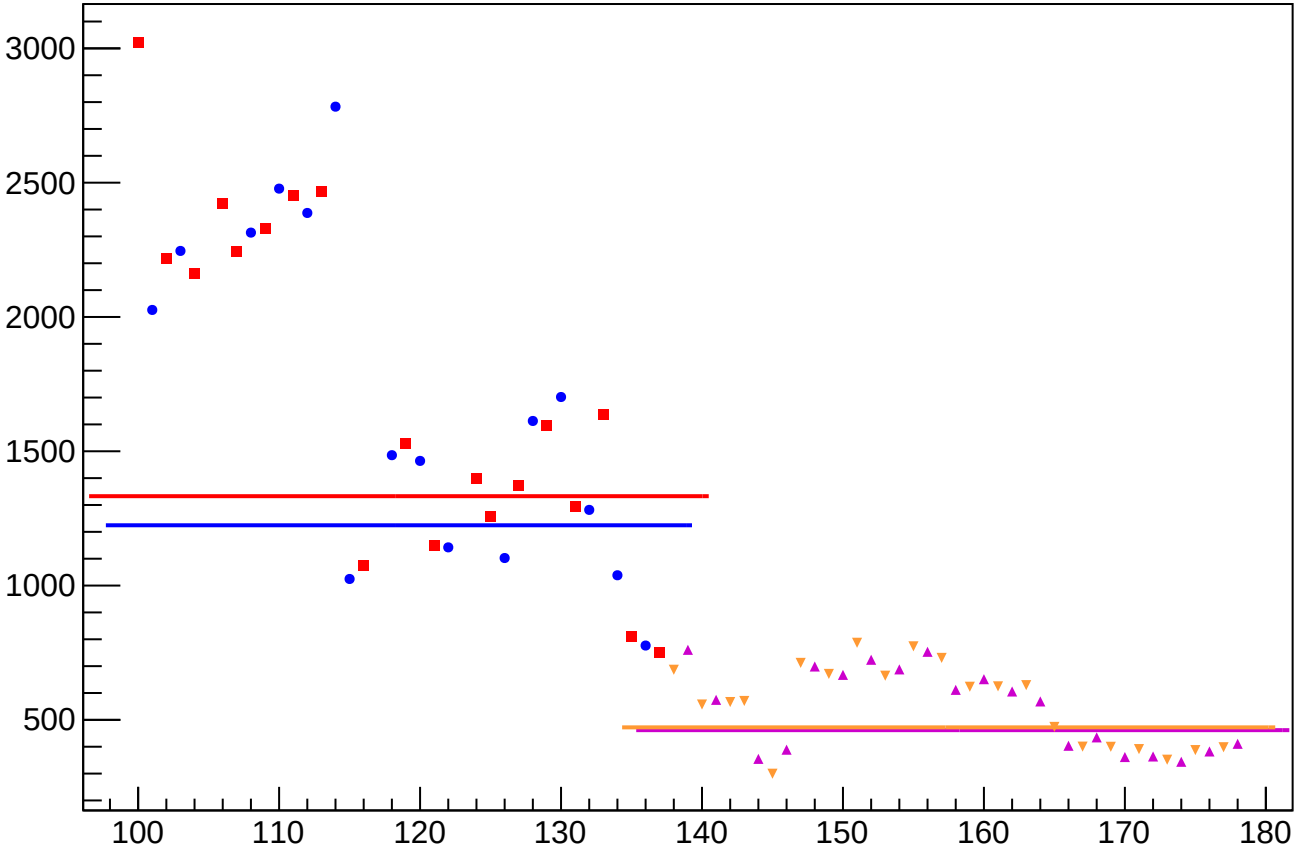
Right: -438.939+/-358.384 χ^2/NDF: 35.3/34

In: 44.805+/-116.361 χ^2/NDF:51.3/35

Out: -306.032+/-117.992 χ^2/NDF:64.3/39

All: -128.173+/-82.850 χ^2/NDF: 120.1/75

asym_sam_26_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1224.470+/-0.347 χ^2/NDF: 1959341.1/15

Left Out: 472.066+/-0.086 χ^2/NDF:2786744.6/20

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

Left In: 461.698+/-0.085 χ^2/NDF:2489044.7/19

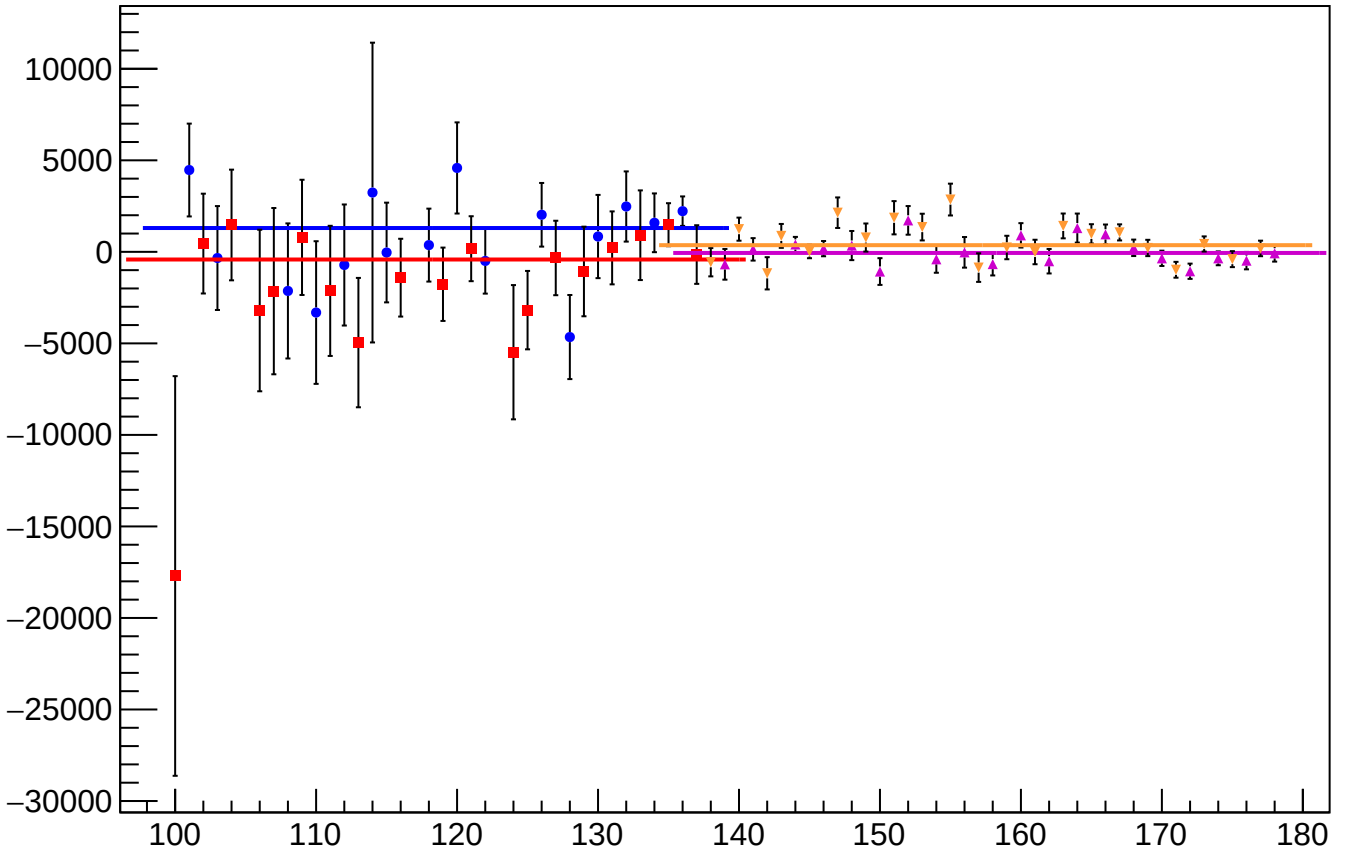
Left: 466.824+/-0.060 χ^2/NDF: 5283200.5/40

Right: 1275.168+/-0.253 χ^2/NDF: 3999620.7/34

In: 504.471+/-0.082 χ^2/NDF:8997381.9/35

Out: 515.735+/-0.083 χ^2/NDF:9907230.2/39

All: 510.025+/-0.059 χ^2/NDF: 18913853.6/75



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: -60.014+/-120.466 χ^2/NDF:27.9/19

Left: 149.193+/-85.803 χ^2/NDF: 81.6/40

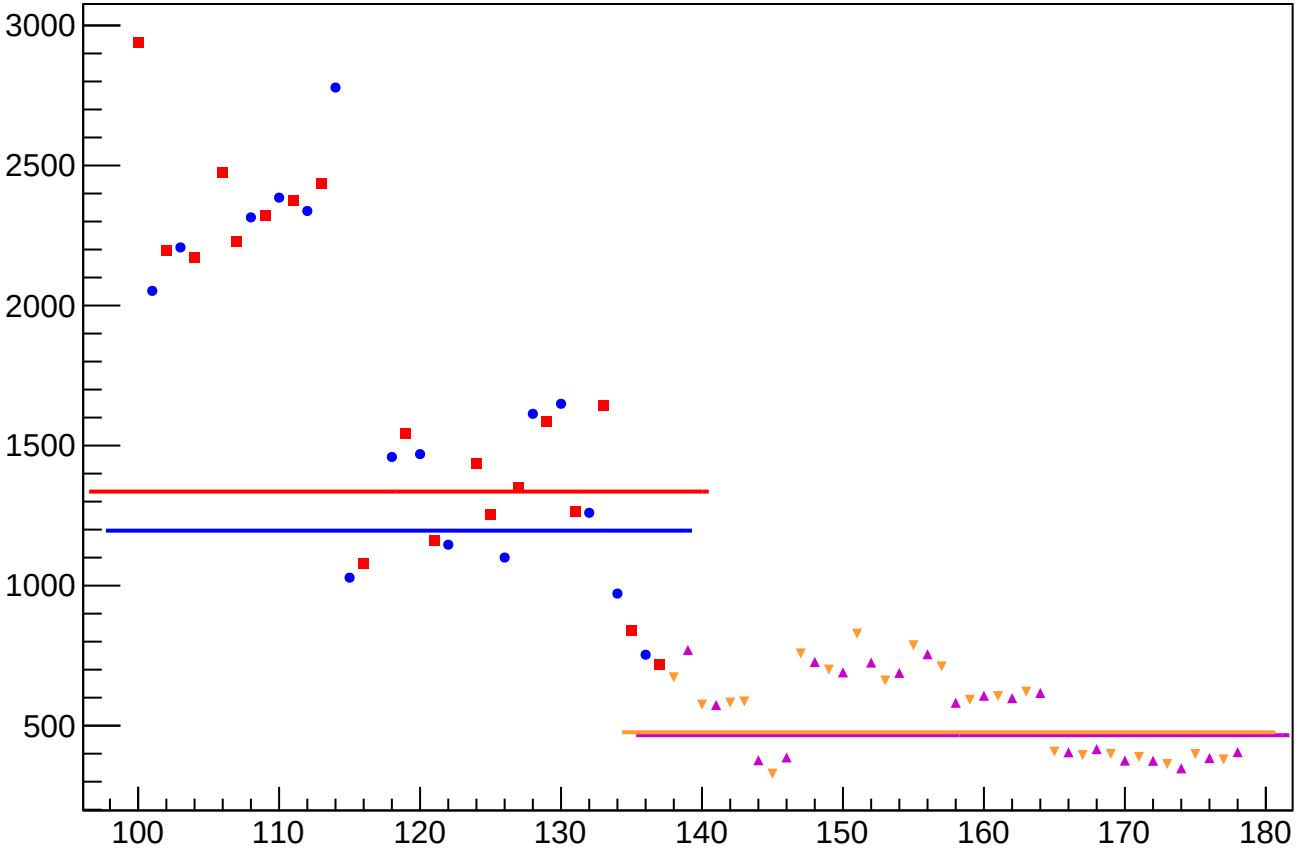
Right: 514.263+/-354.889 χ^2/NDF: 35.3/34

In: 20.053+/-116.871 χ^2/NDF:51.9/35

Out: 324.278+/-119.051 χ^2/NDF:62.8/39

All: 169.355+/-83.400 χ^2/NDF: 118.0/75

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: 465.940+/-0.085 χ^2/NDF:2377603.2/19

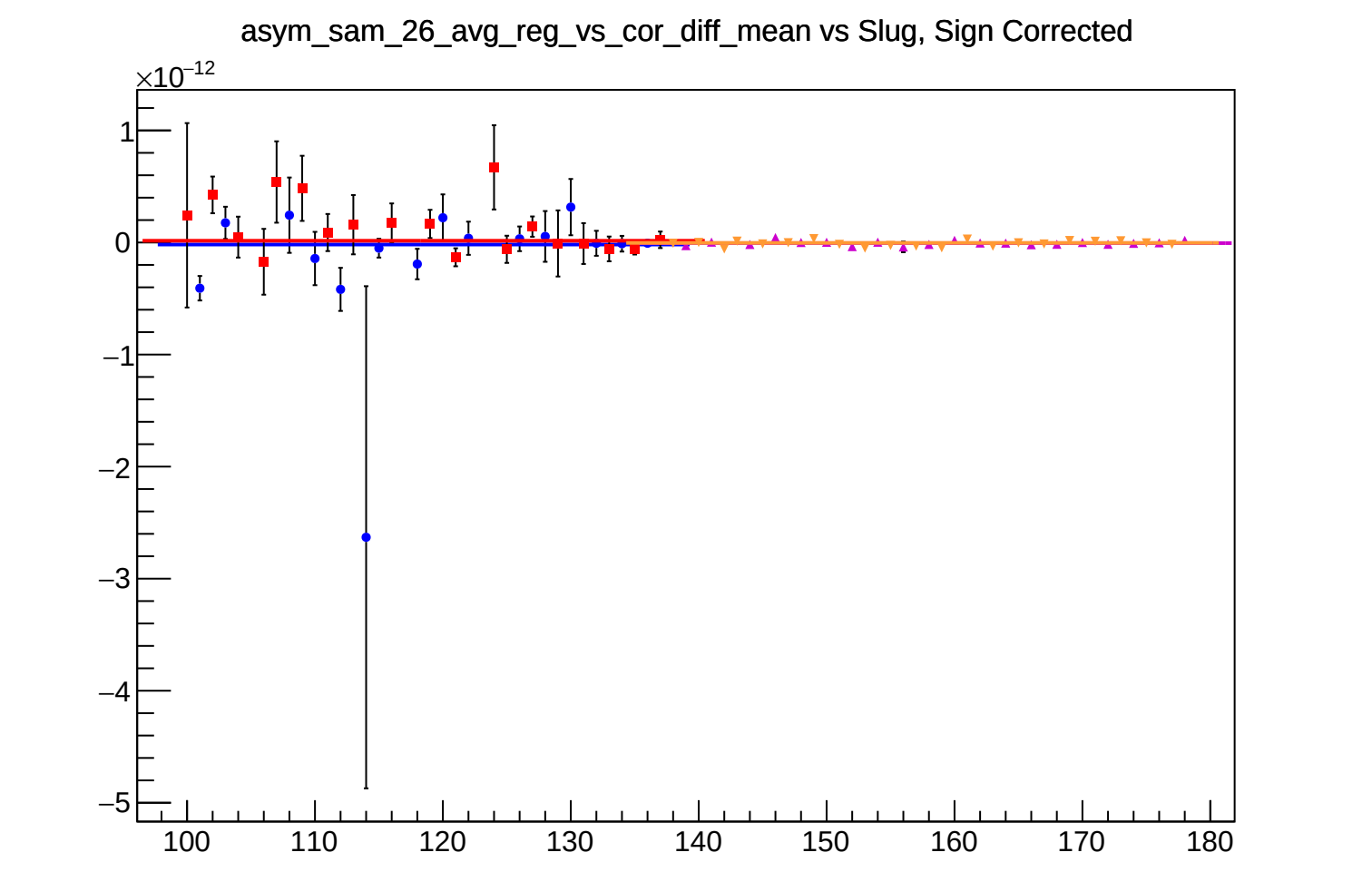
Left: 471.097+/-0.061 χ^2/NDF: 5024369.0/40

Right: 1260.195+/-0.251 χ^2/NDF: 4059839.9/34

In: 508.890+/-0.083 χ^2/NDF:8732745.1/35

Out: 520.681+/-0.084 χ^2/NDF:9683352.3/39

All: 514.676+/-0.059 χ^2/NDF: 18426088.9/75



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:15.1/19

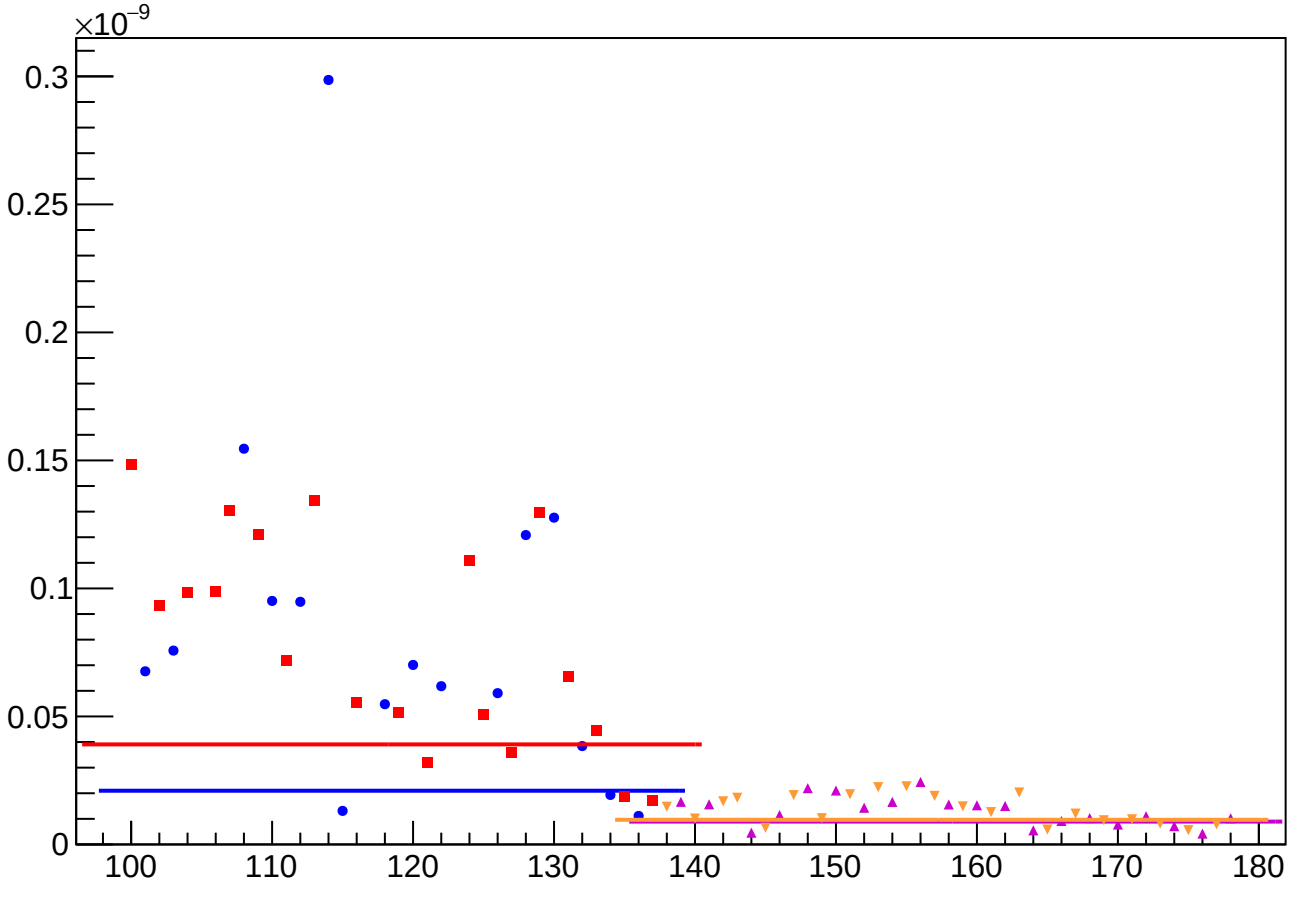
Left: -0.000+/-0.000 χ^2/NDF: 34.6/40

Right: -0.000+/-0.000 χ^2/NDF: 53.5/34

In: -0.000+/-0.000 χ^2/NDF:42.4/35

Out: -0.000+/-0.000 χ^2/NDF:45.5/39

All: -0.000+/-0.000 χ^2/NDF: 88.2/75



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:2590550.3/19

Left: 0.000+/-0.000 χ^2/NDF: 4996230.0/40

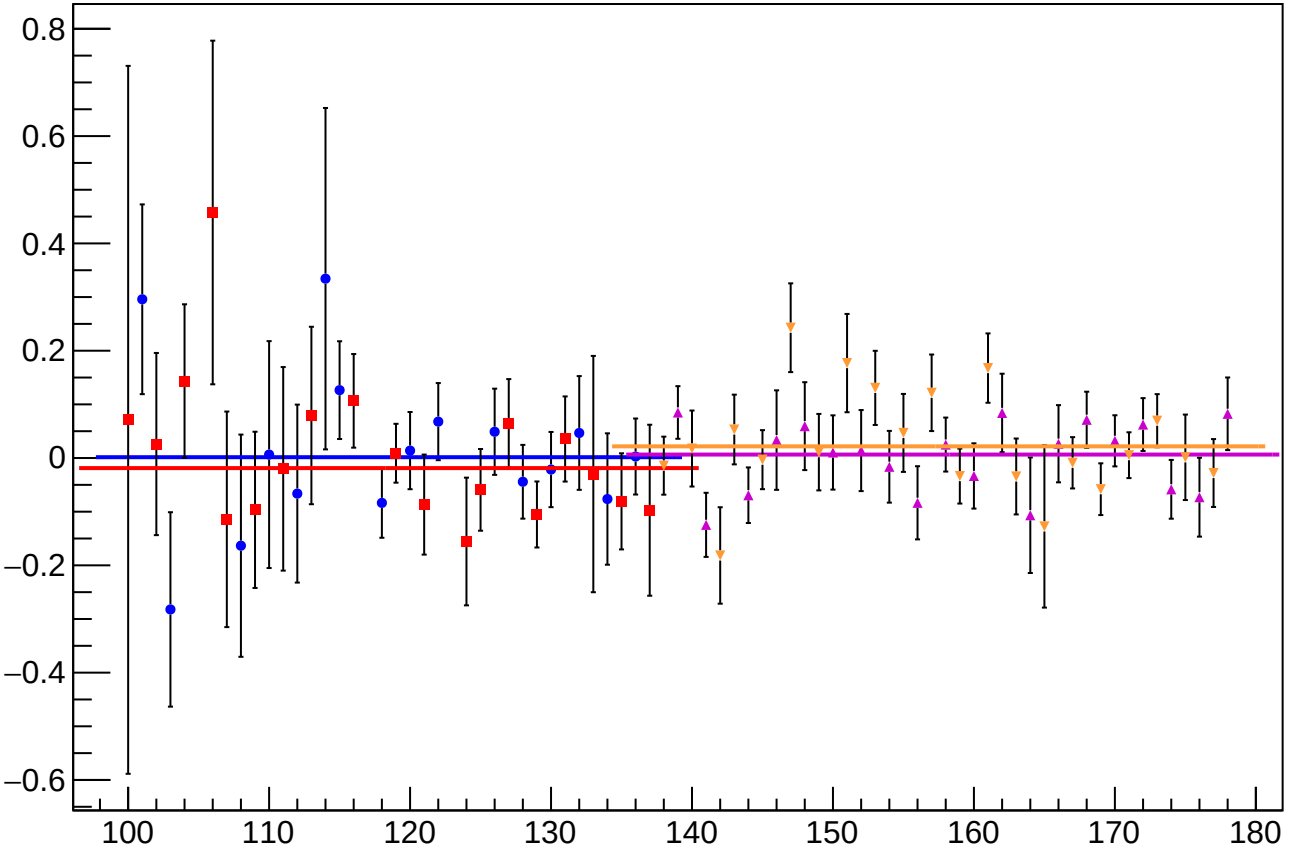
Right: 0.000+/-0.000 χ^2/NDF: 6062420.5/34

In: 0.000+/-0.000 χ^2/NDF:6841830.0/35

Out: 0.000+/-0.000 χ^2/NDF:6679983.8/39

All: 0.000+/-0.000 χ^2/NDF: 13554694.6/75

asym_sam_26_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



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: 0.006+/-0.014 χ^2/NDF:21.7/19

Left: 0.014+/-0.010 χ^2/NDF: 55.7/40

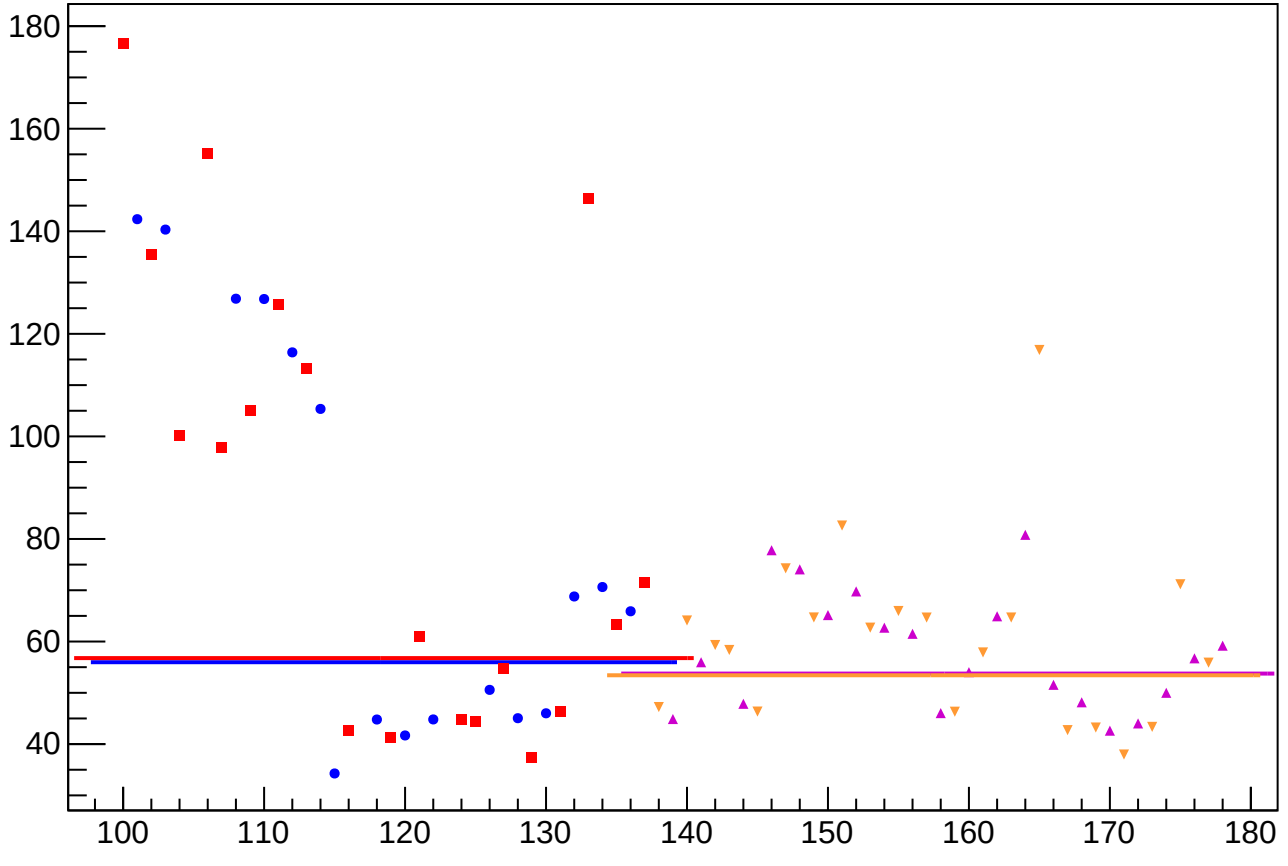
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.005+/-0.012 χ^2/NDF:34.8/35

Out: 0.012+/-0.012 χ^2/NDF:48.7/39

All: 0.008+/-0.008 χ^2/NDF: 83.7/75

asym_sam_26_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 53.421+/-0.010 χ^2/NDF:1737855.1/20

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 53.751+/-0.010 χ^2/NDF:1015071.6/19

Left: 53.584+/-0.007 χ^2/NDF: 2753503.5/40

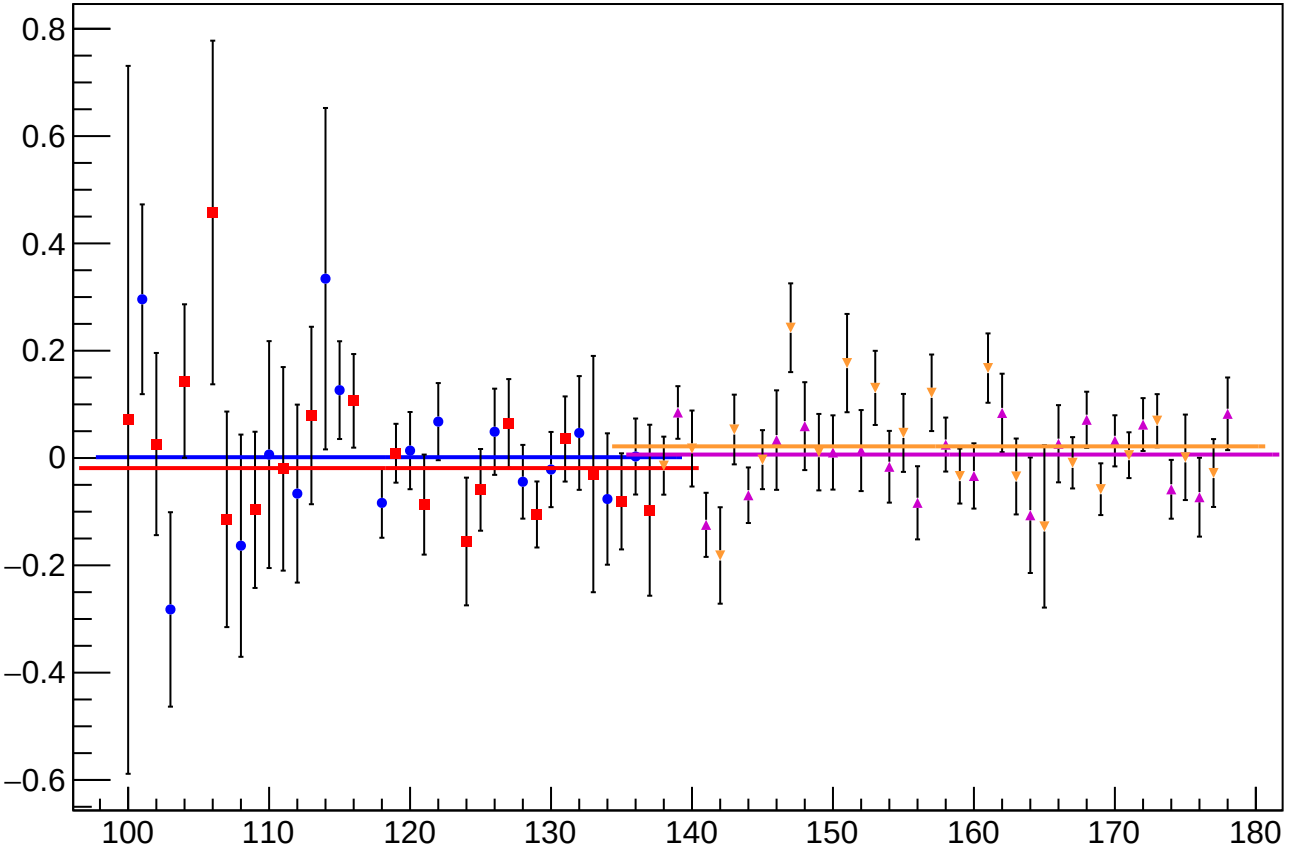
Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 54.323+/-0.008 χ^2/NDF:3208208.8/35

Out: 54.263+/-0.008 χ^2/NDF:4321448.6/39

All: 54.293+/-0.006 χ^2/NDF: 7529683.0/75

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.022+/-0.014 χ^2/NDF:33.4/20

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.006+/-0.014 χ^2/NDF:21.7/19

Left: 0.014+/-0.010 χ^2/NDF: 55.7/40

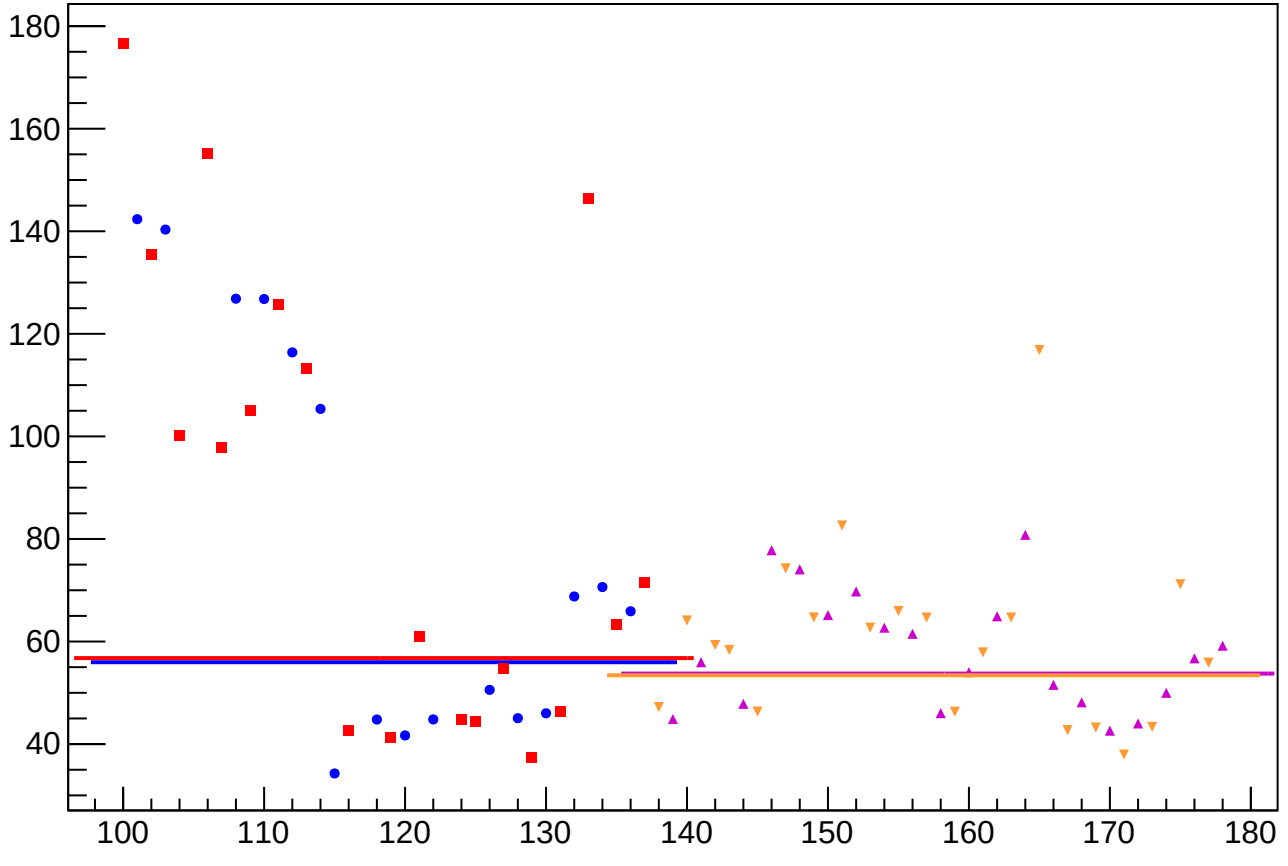
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.005+/-0.012 χ^2/NDF:34.8/35

Out: 0.012+/-0.012 χ^2/NDF:48.7/39

All: 0.008+/-0.008 χ^2/NDF: 83.7/75

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 53.421+/-0.010 χ^2/NDF:1737855.1/20

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 53.751+/-0.010 χ^2/NDF:1015071.6/19

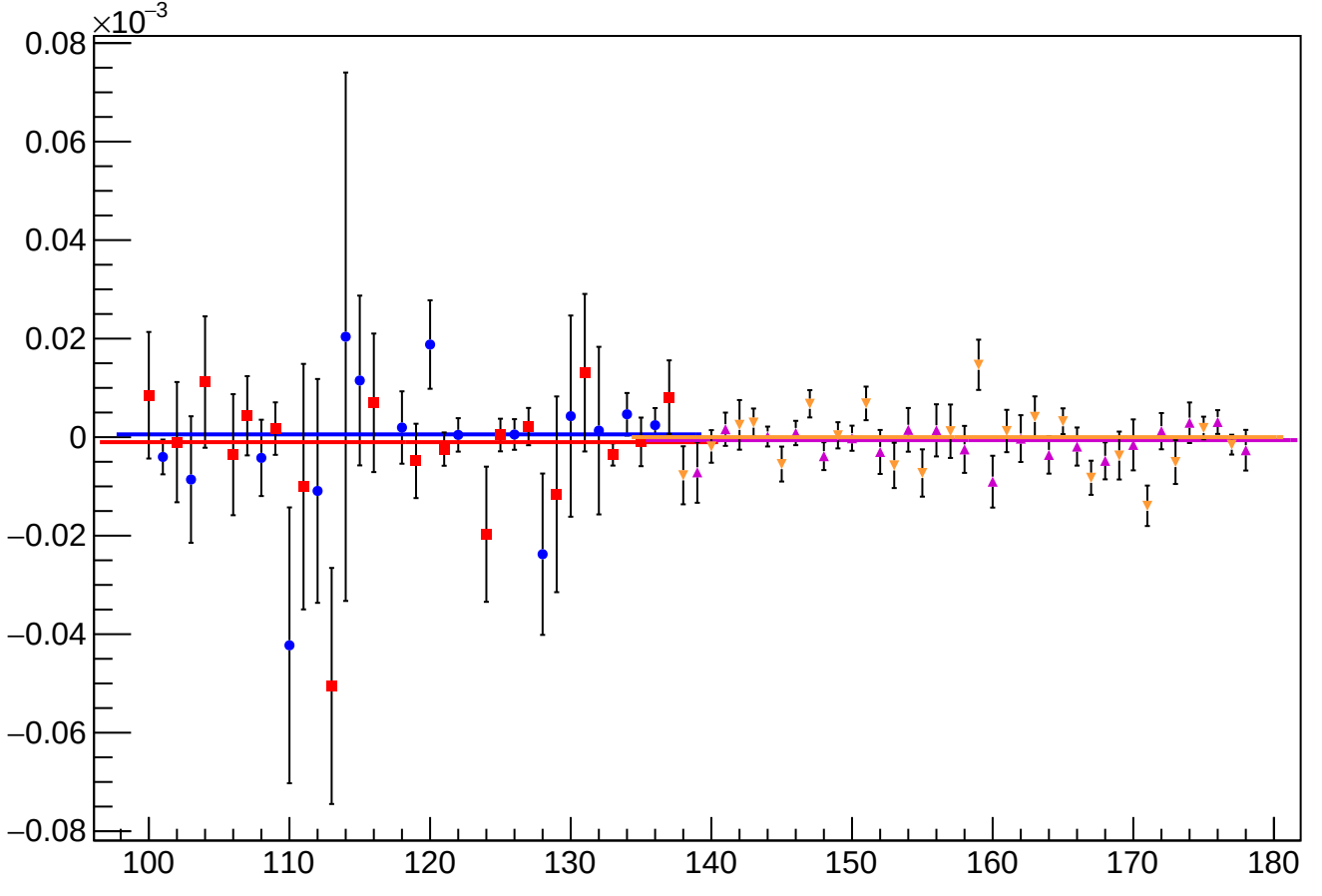
Left: 53.584+/-0.007 χ^2/NDF: 2753503.5/40

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 54.323+/-0.008 χ^2/NDF:3208208.8/35

Out: 54.263+/-0.008 χ^2/NDF:4321448.6/39

All: 54.293+/-0.006 χ^2/NDF: 7529683.0/75



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:12.3/19

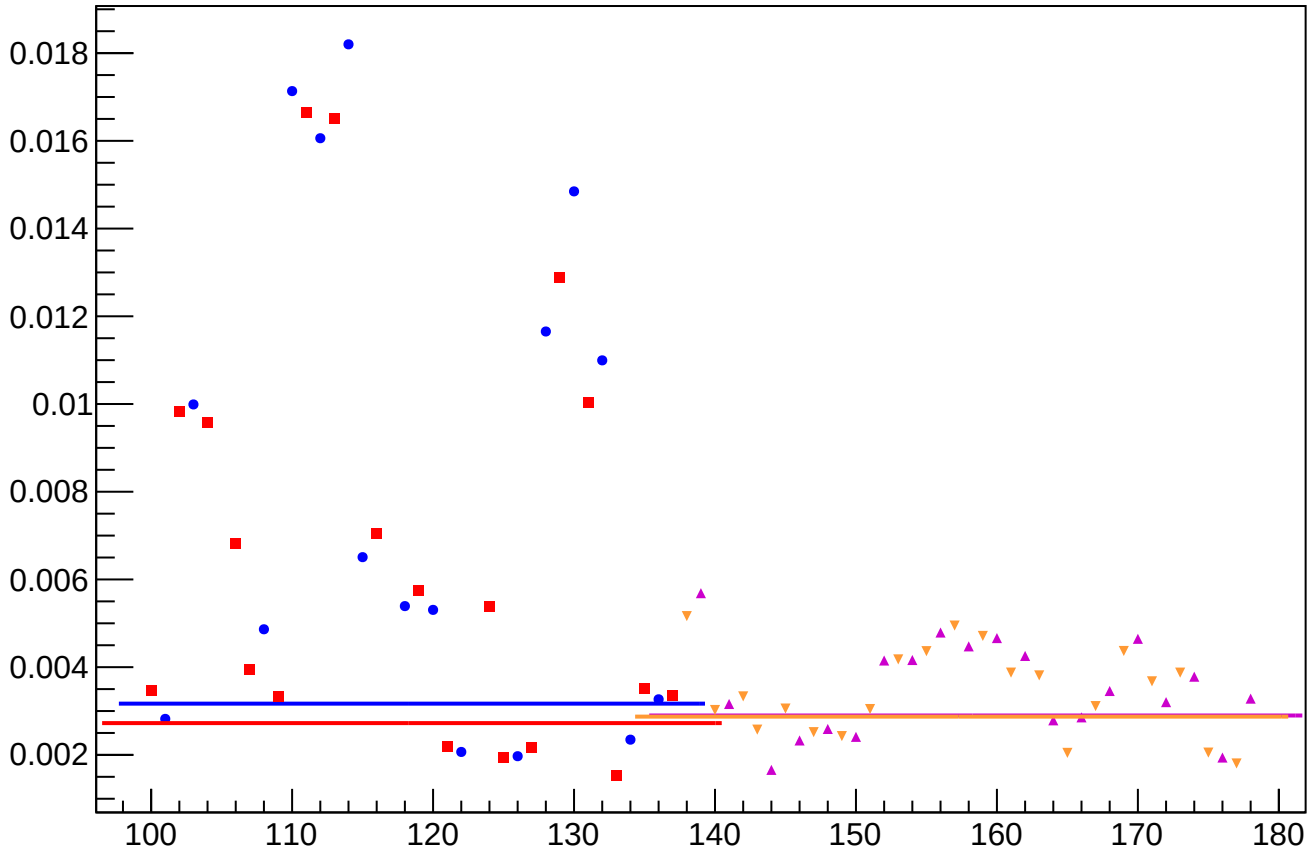
Left: -0.000+/-0.000 χ^2/NDF: 63.5/40

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:26.1/35

Out: -0.000+/-0.000 χ^2/NDF:65.1/39

All: -0.000+/-0.000 χ^2/NDF: 91.3/75



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:3274665.2/19

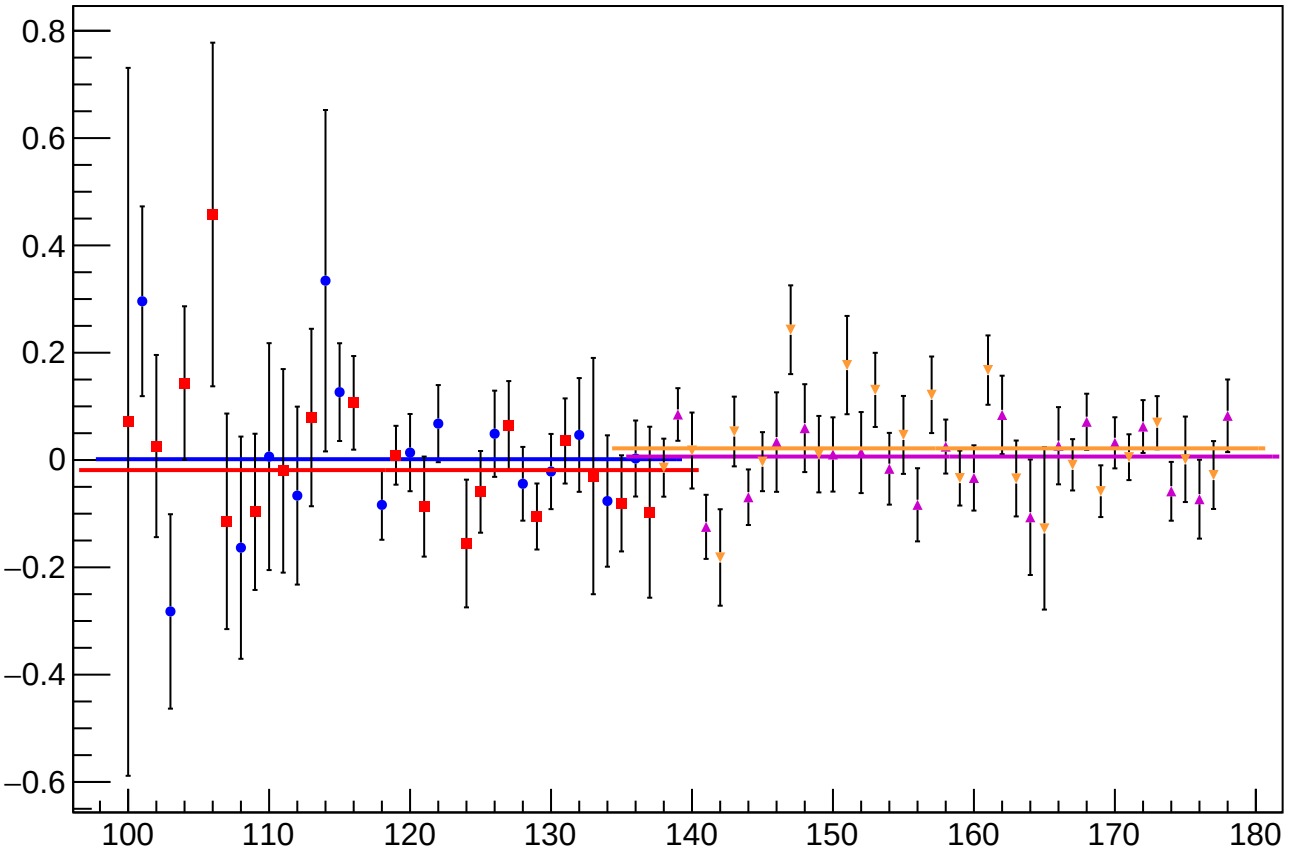
Left: 0.003+/-0.000 χ^2/NDF: 6233094.6/40

Right: 0.003+/-0.000 χ^2/NDF: 9804761.7/34

In: 0.003+/-0.000 χ^2/NDF:7874617.7/35

Out: 0.003+/-0.000 χ^2/NDF:8130628.6/39

All: 0.003+/-0.000 χ^2/NDF: 16039745.8/75



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: 0.006+/-0.014 χ^2/NDF:21.7/19

Left: 0.014+/-0.010 χ^2/NDF: 55.7/40

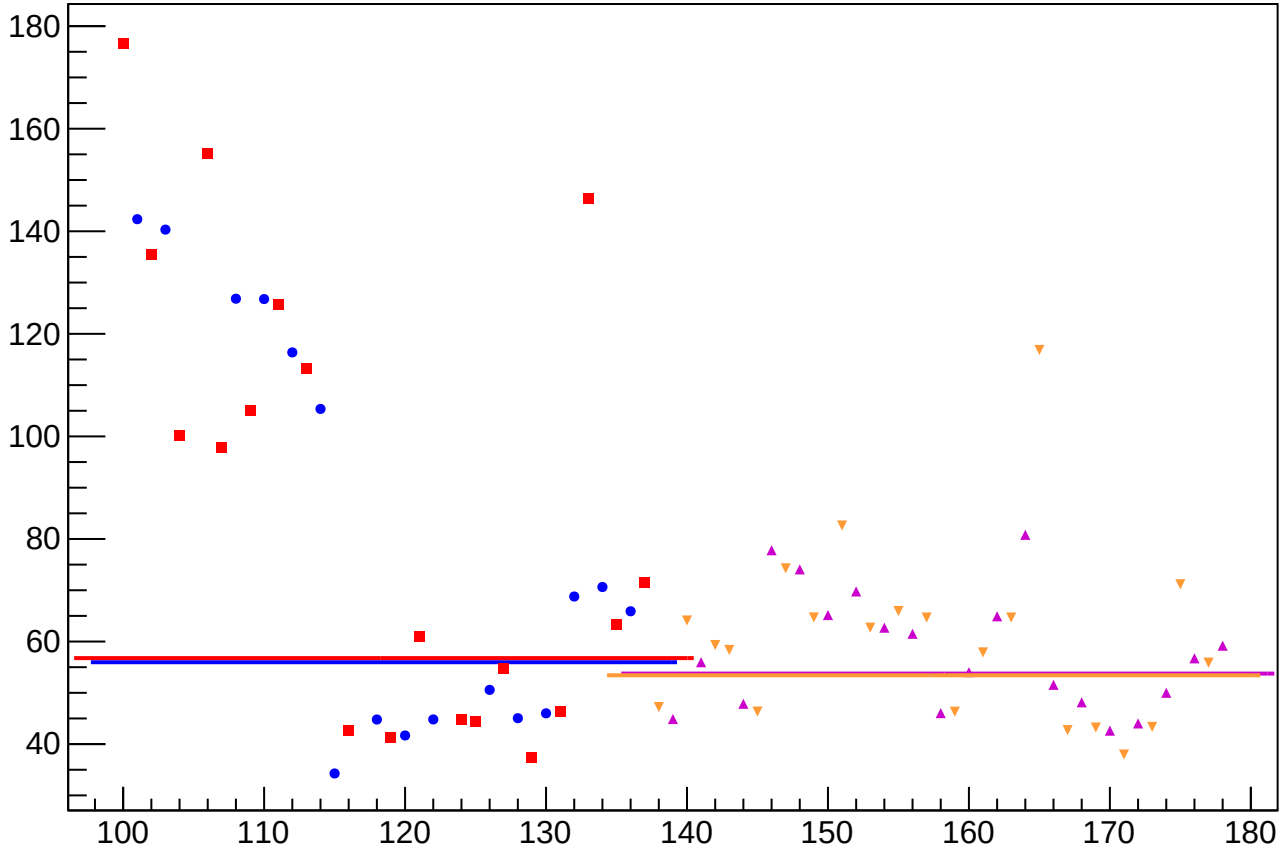
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.005+/-0.012 χ^2/NDF:34.8/35

Out: 0.012+/-0.012 χ^2/NDF:48.7/39

All: 0.008+/-0.008 χ^2/NDF: 83.7/75

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: 53.751+/-0.010 χ^2/NDF:1015043.7/19

Left: 53.584+/-0.007 χ^2/NDF: 2753460.2/40

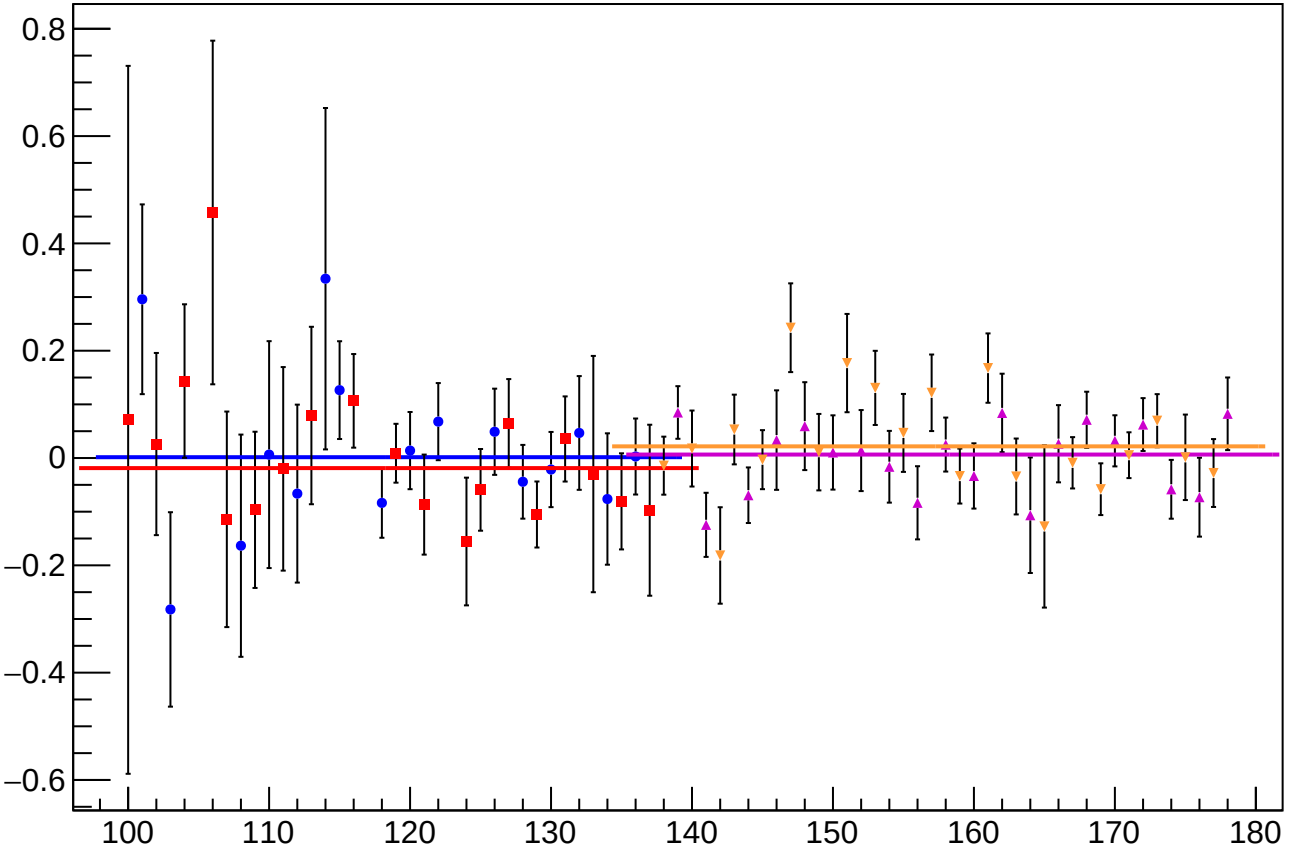
Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 54.323+/-0.008 χ^2/NDF:3208098.2/35

Out: 54.263+/-0.008 χ^2/NDF:4321360.6/39

All: 54.293+/-0.006 χ^2/NDF: 7529484.5/75

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.022+/-0.014 χ^2/NDF:33.4/20

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.006+/-0.014 χ^2/NDF:21.7/19

Left: 0.014+/-0.010 χ^2/NDF: 55.7/40

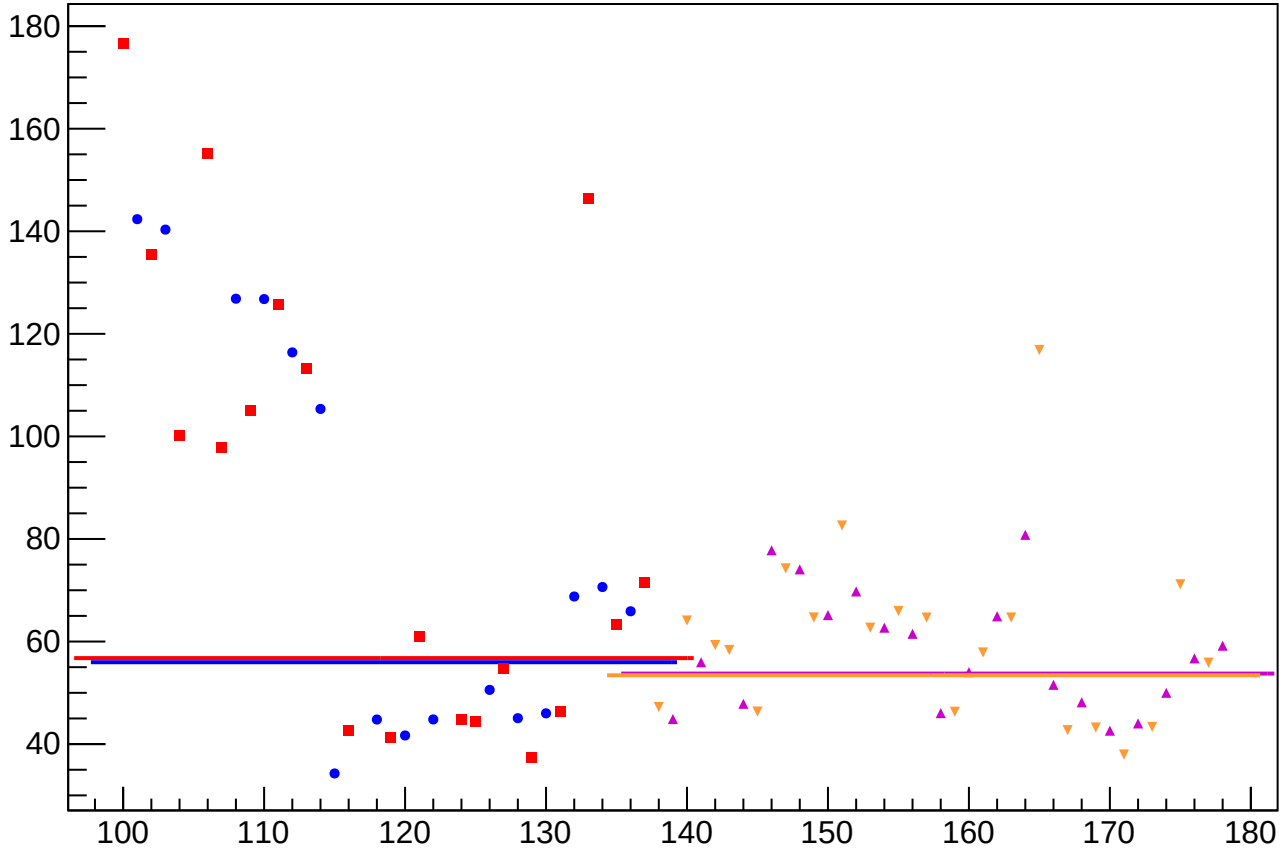
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.005+/-0.012 χ^2/NDF:34.8/35

Out: 0.012+/-0.012 χ^2/NDF:48.7/39

All: 0.008+/-0.008 χ^2/NDF: 83.7/75

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: 53.751+/-0.010 χ^2/NDF:1015043.7/19

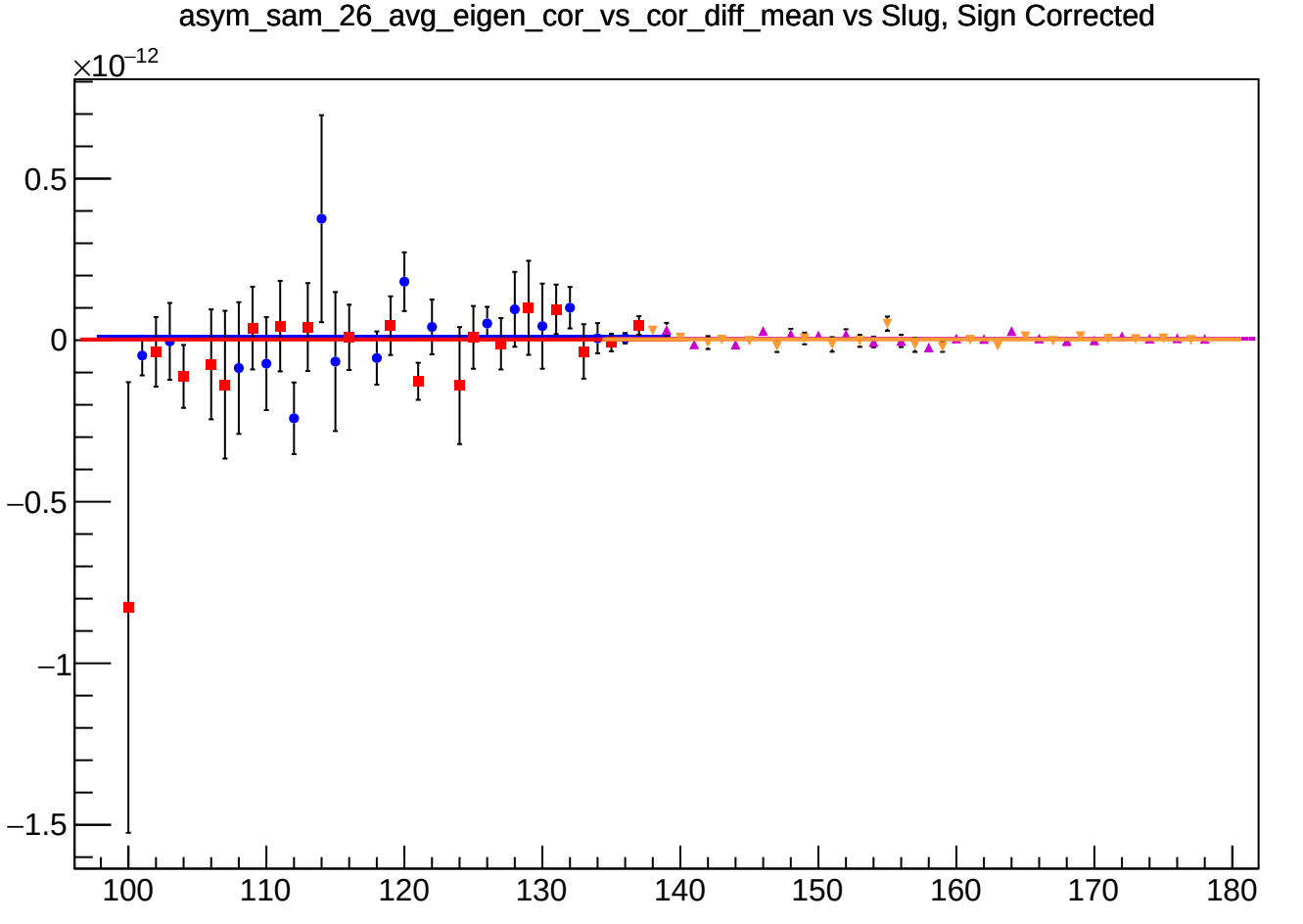
Left: 53.584+/-0.007 χ^2/NDF: 2753460.2/40

Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 54.323+/-0.008 χ^2/NDF:3208098.2/35

Out: 54.263+/-0.008 χ^2/NDF:4321360.6/39

All: 54.293+/-0.006 χ^2/NDF: 7529484.5/75



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:29.5/19

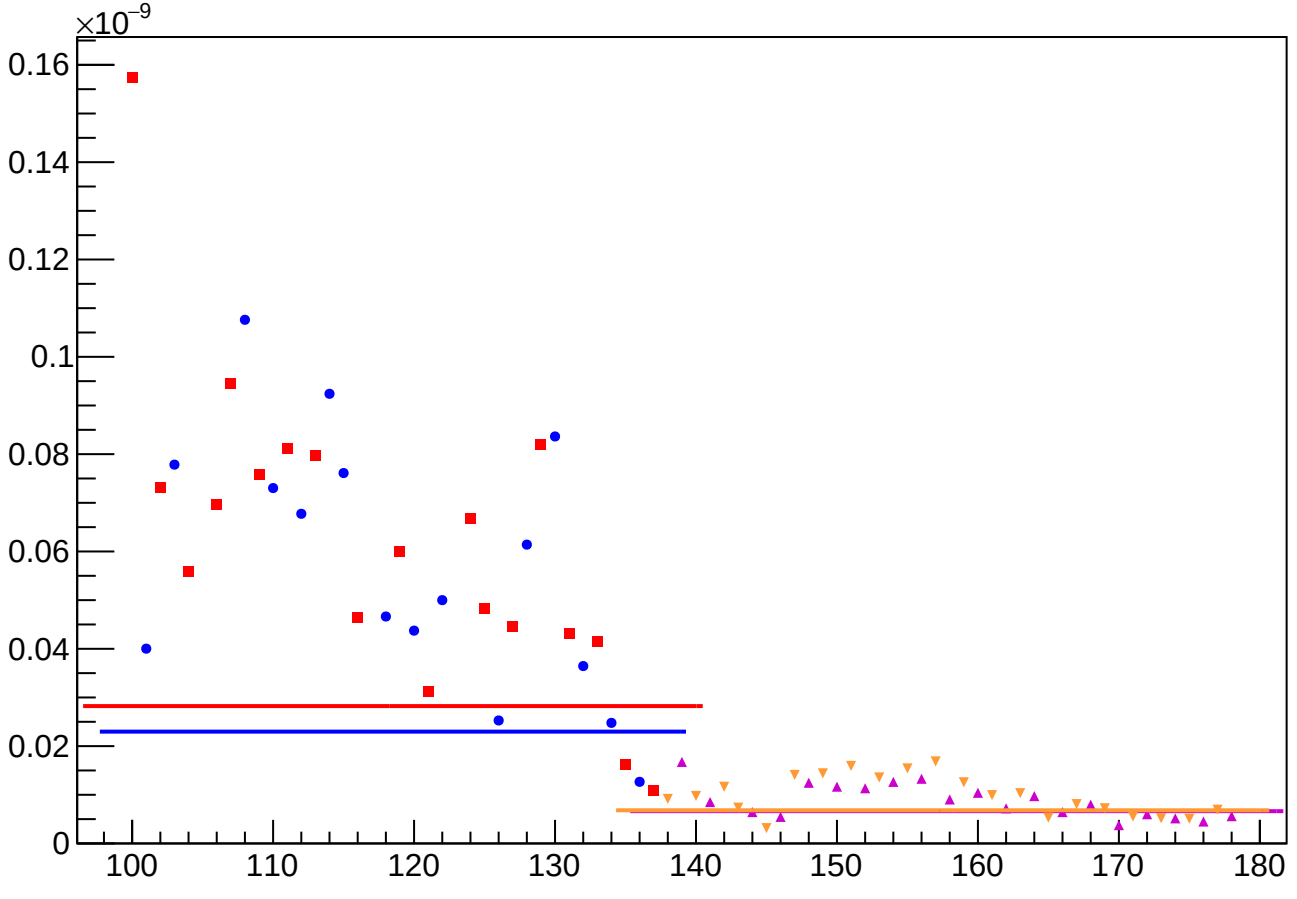
Left: 0.000+/-0.000 χ^2/NDF: 49.6/40

Right: 0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:45.4/35

Out: 0.000+/-0.000 χ^2/NDF:34.1/39

All: 0.000+/-0.000 χ^2/NDF: 79.8/75



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:2849055.5/19

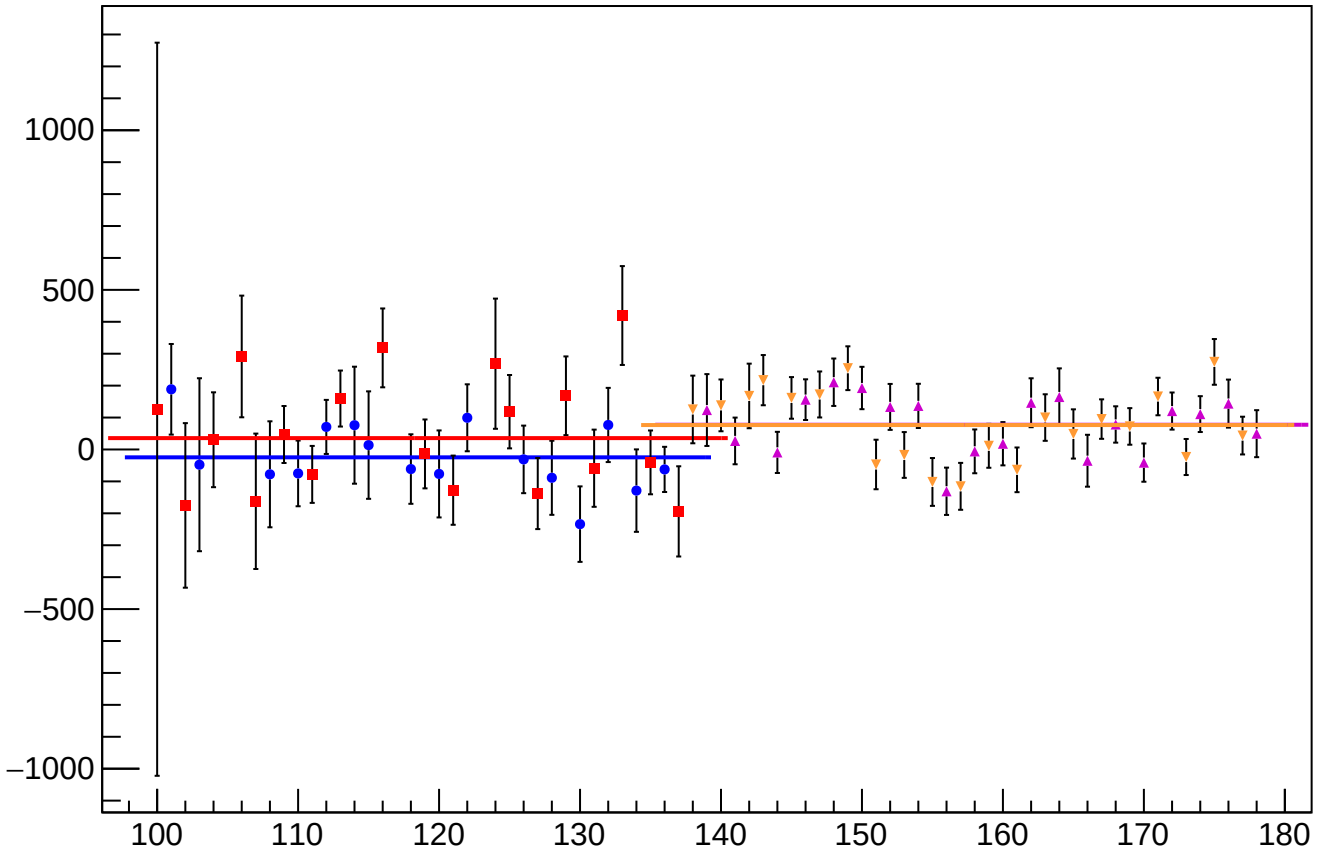
Left: 0.000+/-0.000 χ^2/NDF: 7081996.6/40

Right: 0.000+/-0.000 χ^2/NDF: 7687404.1/34

In: 0.000+/-0.000 χ^2/NDF:9672900.1/35

Out: 0.000+/-0.000 χ^2/NDF:11784235.1/39

All: 0.000+/-0.000 χ^2/NDF: 21462976.8/75



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: 77.452+/-15.462 χ^2/NDF:31.1/19

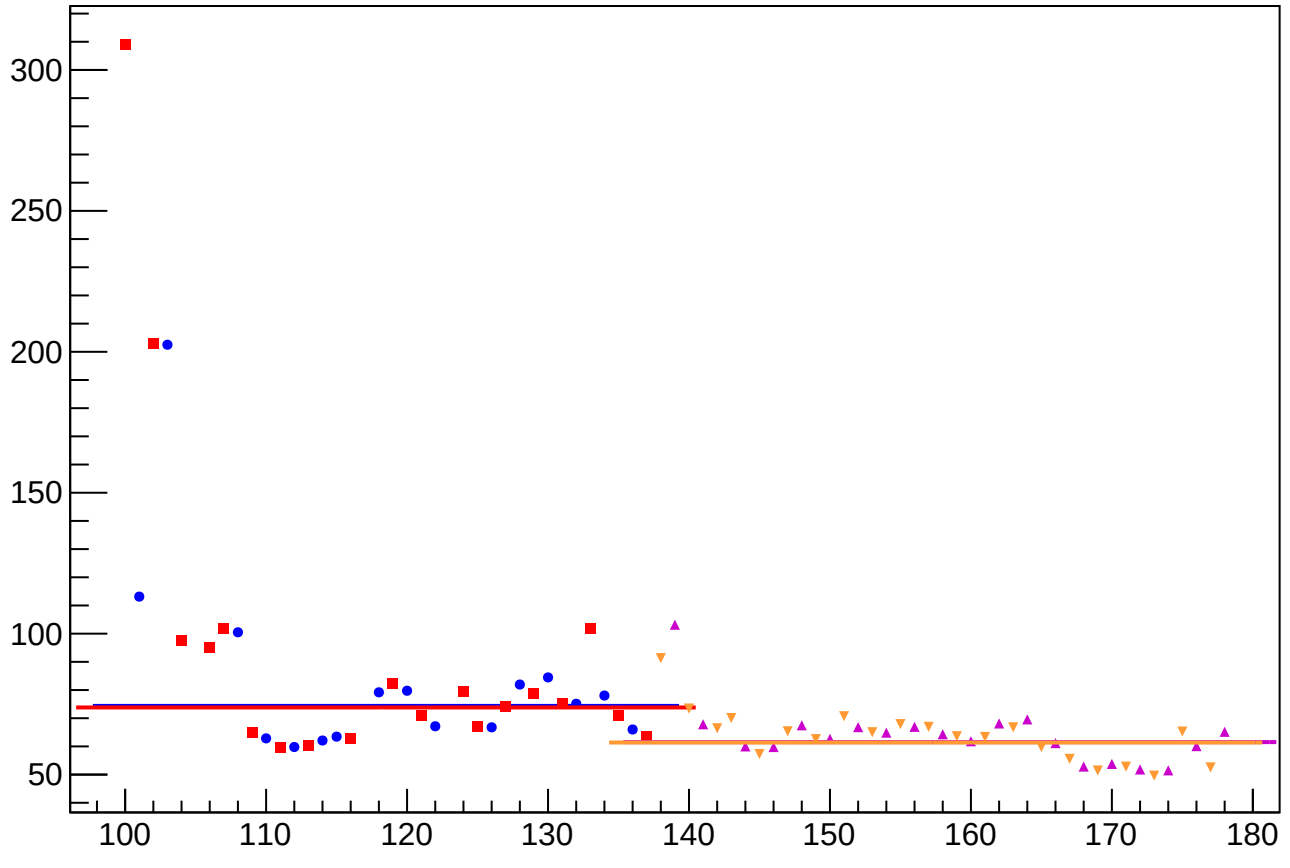
Left: 76.987+/-10.866 χ^2/NDF: 81.5/40

Right: 5.956+/-20.280 χ^2/NDF: 43.3/34

In: 54.748+/-13.635 χ^2/NDF:51.8/35

Out: 67.373+/-13.457 χ^2/NDF:82.1/39

All: 61.144+/-9.578 χ^2/NDF: 134.3/75



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: 61.527+/-0.011 χ^2/NDF:570747.3/19

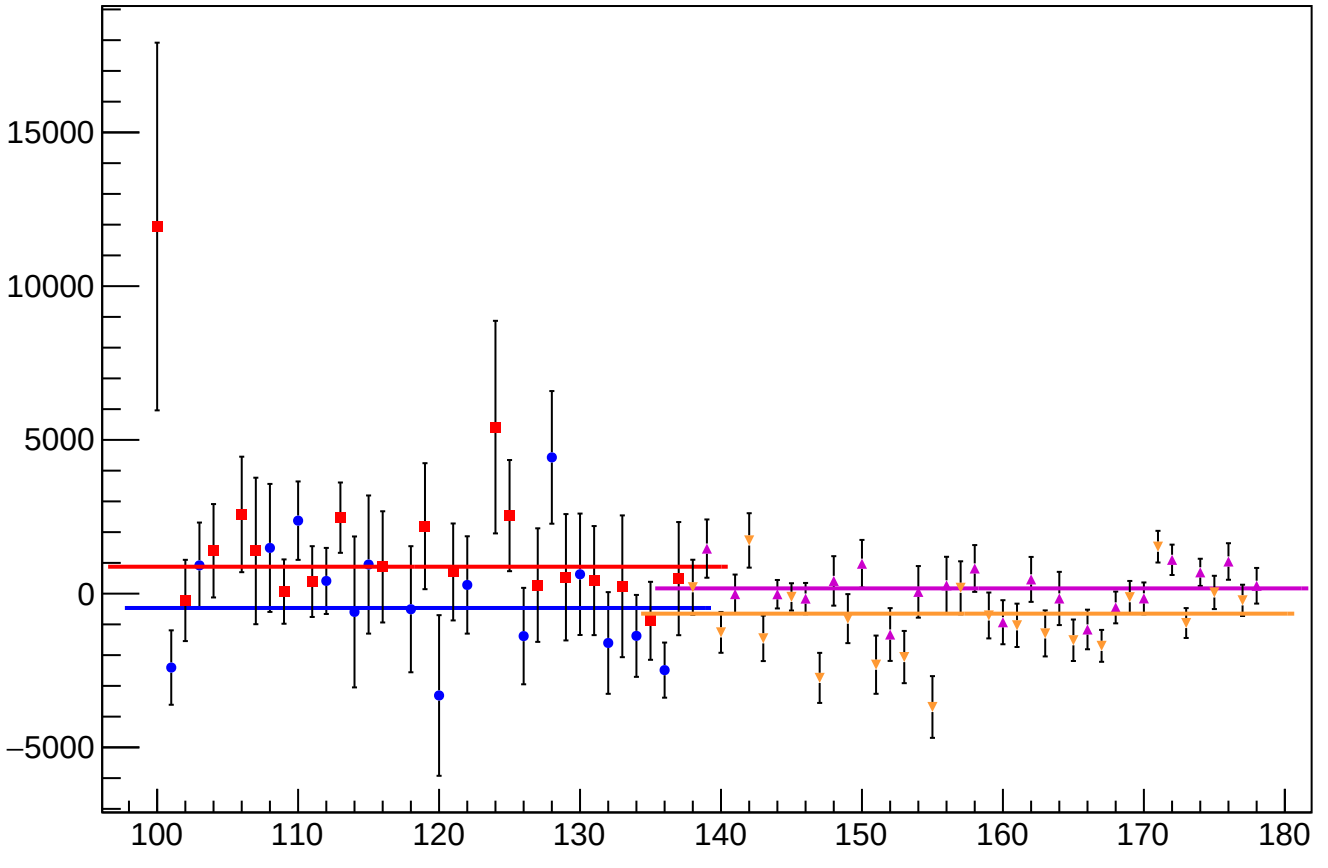
Left: 61.456+/-0.008 χ^2/NDF: 1152415.7/40

Right: 74.088+/-0.014 χ^2/NDF: 1759905.2/34

In: 64.383+/-0.010 χ^2/NDF:1705142.5/35

Out: 64.167+/-0.010 χ^2/NDF:1809730.0/39

All: 64.273+/-0.007 χ^2/NDF: 3515127.7/75



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: 170.657+/-139.933 χ^2/NDF:23.4/19

Left: -235.930+/-99.465 χ^2/NDF: 103.2/40

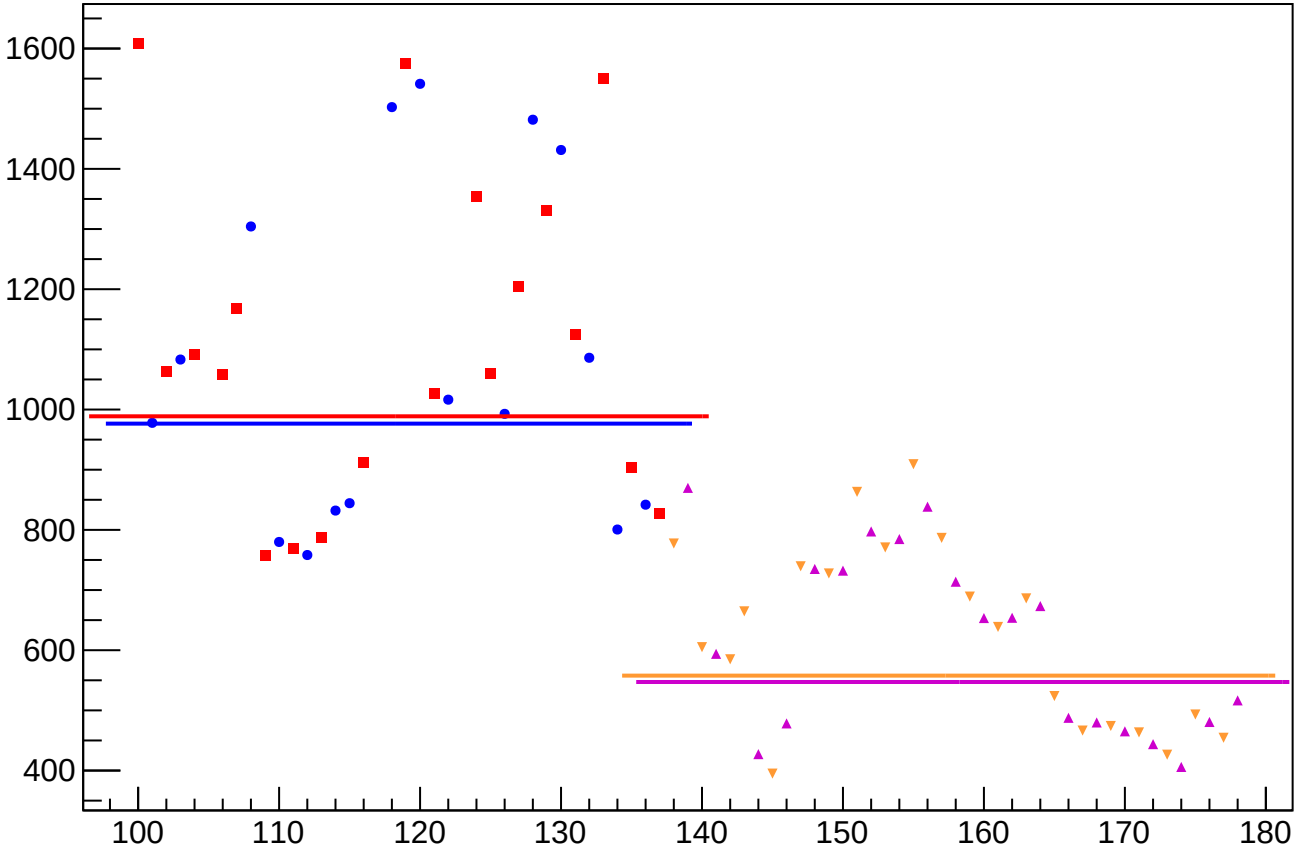
Right: 209.426+/-264.194 χ^2/NDF: 43.2/34

In: 92.788+/-131.104 χ^2/NDF:49.7/35

Out: -458.624+/-132.192 χ^2/NDF:90.4/39

All: -180.641+/-93.087 χ^2/NDF: 148.8/75

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: 547.175+/-0.099 χ^2/NDF:1812223.2/19

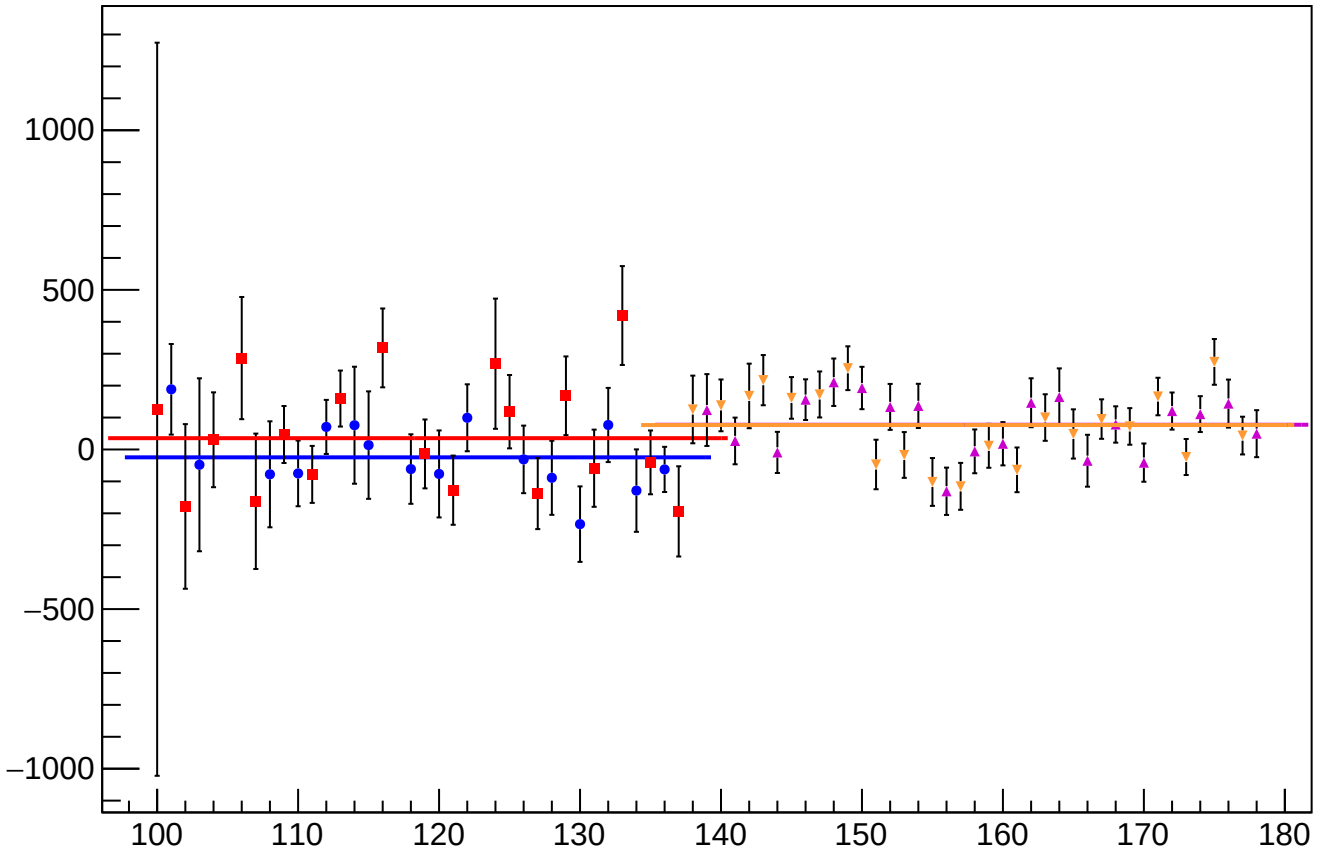
Left: 552.418+/-0.070 χ^2/NDF: 3760653.4/40

Right: 982.718+/-0.187 χ^2/NDF: 1453371.3/34

In: 599.652+/-0.093 χ^2/NDF:4850422.0/35

Out: 612.126+/-0.093 χ^2/NDF:5001496.6/39

All: 605.837+/-0.066 χ^2/NDF: 9860895.9/75



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: 77.451+/-15.462 χ^2/NDF:31.1/19

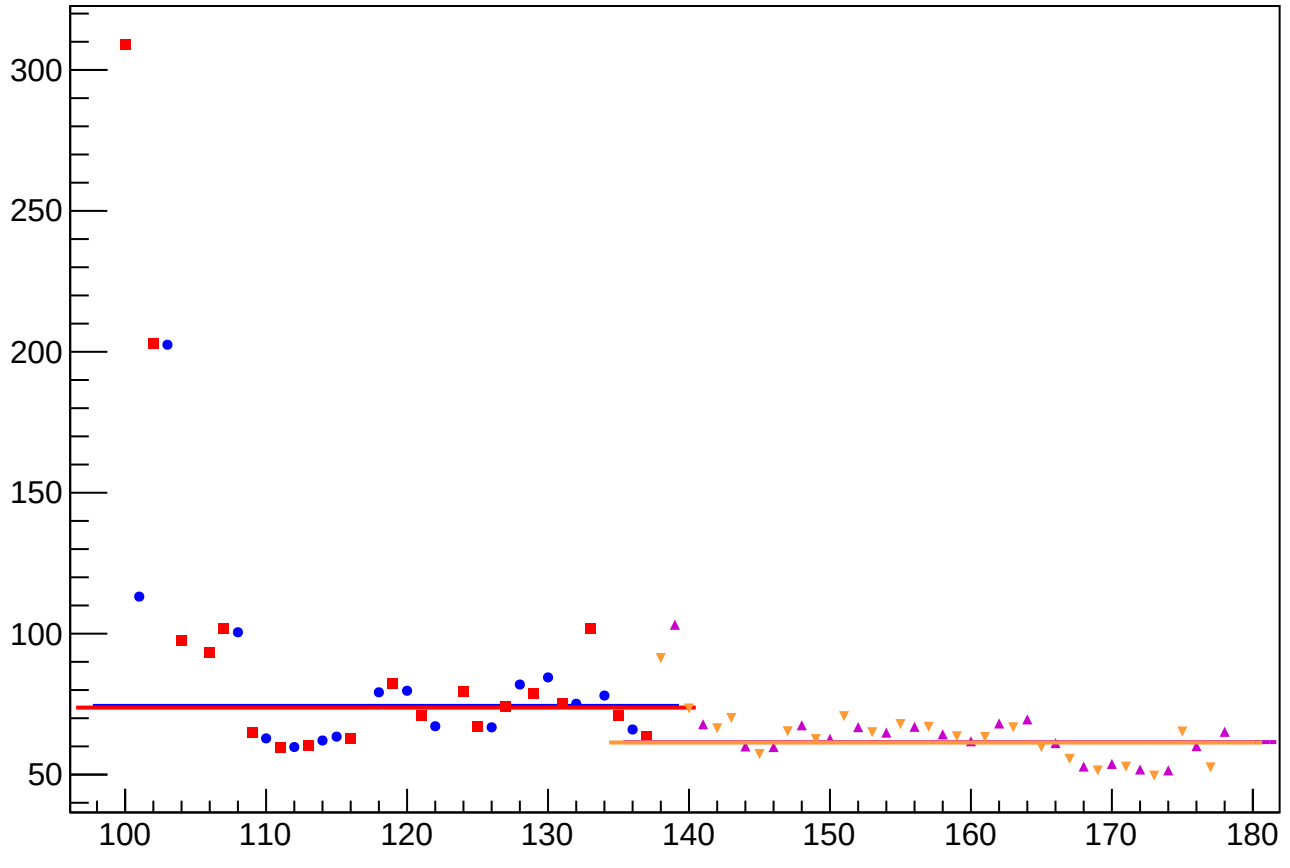
Left: 76.988+/-10.866 χ^2/NDF: 81.5/40

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 54.746+/-13.635 χ^2/NDF:51.8/35

Out: 67.332+/-13.458 χ^2/NDF:82.0/39

All: 61.122+/-9.578 χ^2/NDF: 134.3/75



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: 61.527+/-0.011 χ^2/NDF:570747.3/19

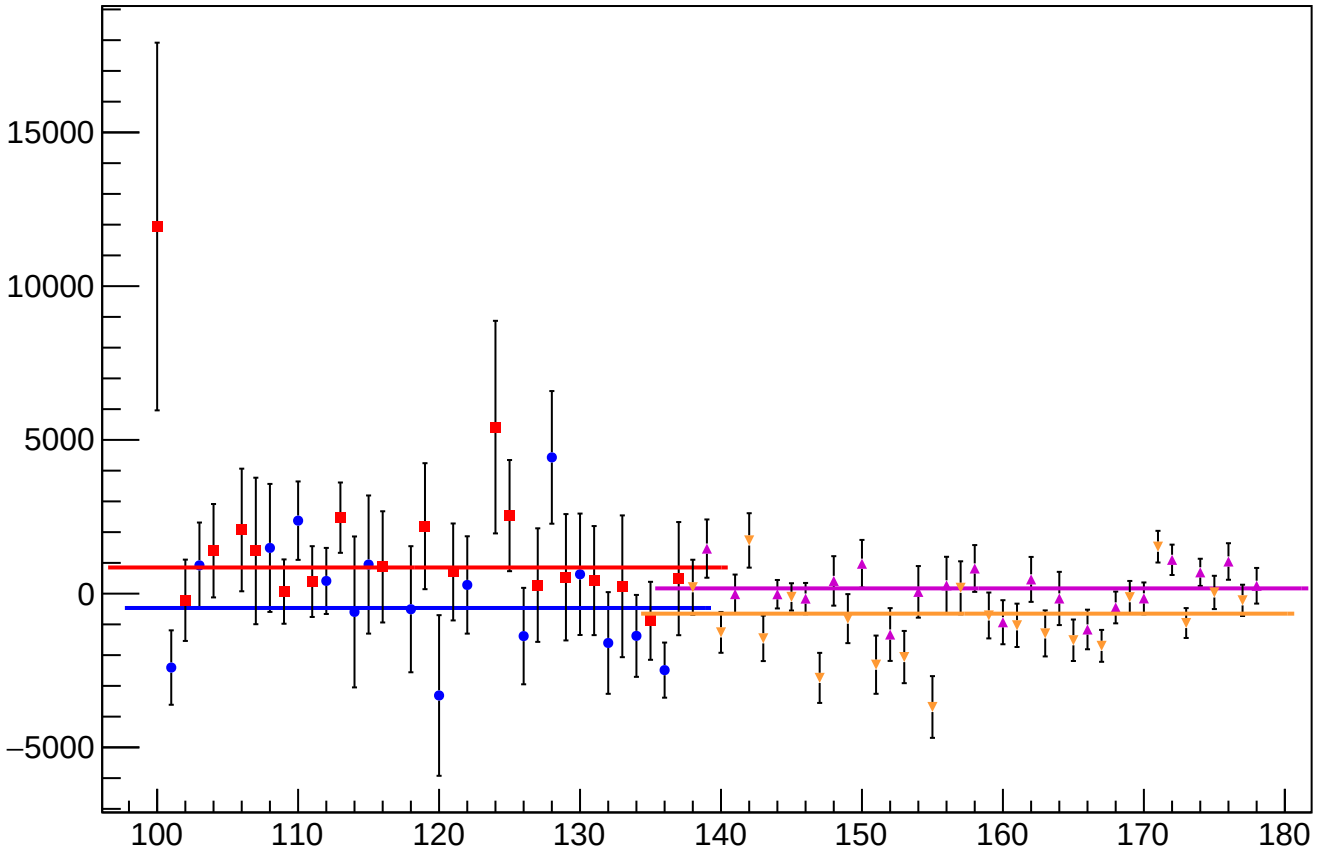
Left: 61.456+/-0.008 χ^2/NDF: 1152415.6/40

Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 64.383+/-0.010 χ^2/NDF:1705144.3/35

Out: 64.157+/-0.010 χ^2/NDF:1803906.6/39

All: 64.269+/-0.007 χ^2/NDF: 3509329.7/75



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: 170.655+/-139.933 χ^2/NDF:23.4/19

Left: -235.930+/-99.465 χ^2/NDF: 103.2/40

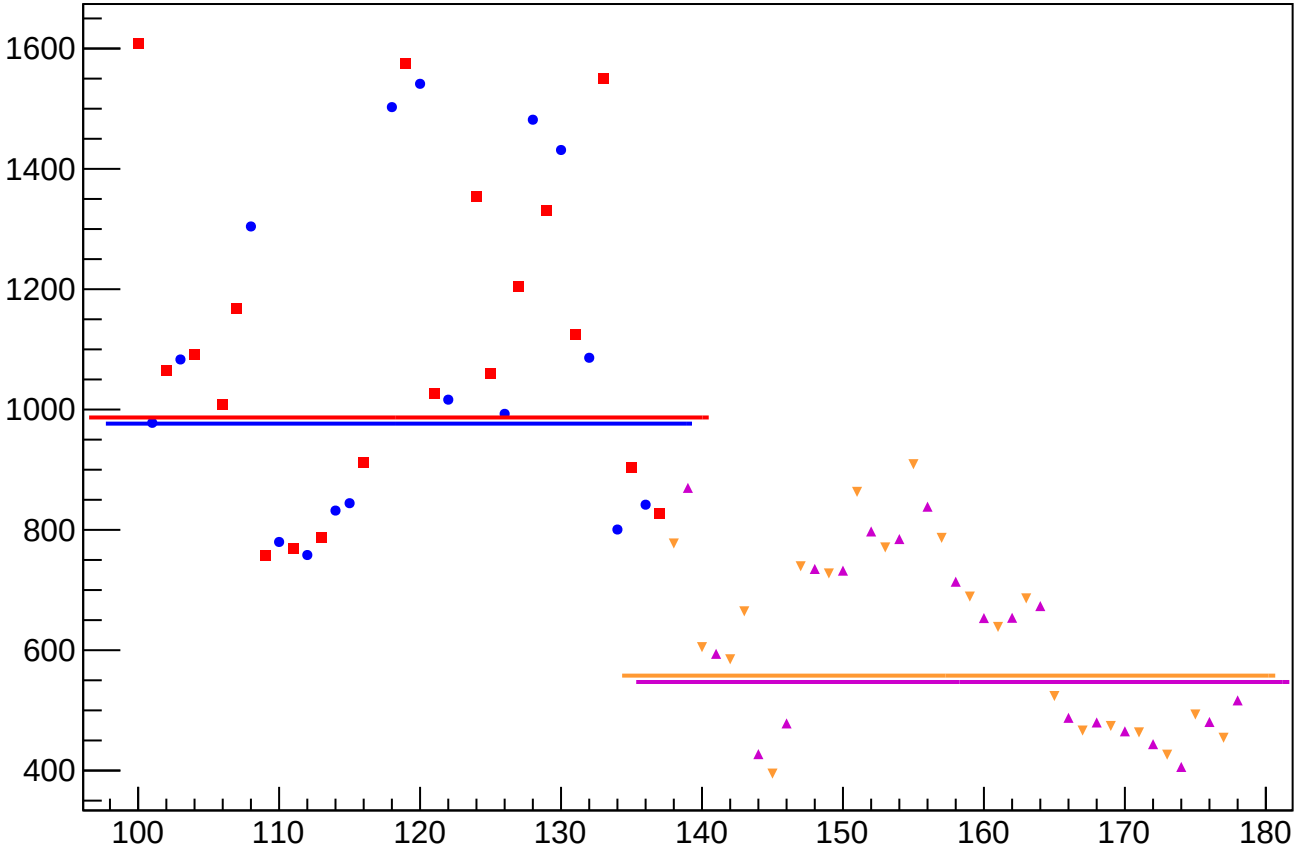
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: 92.789+/-131.105 χ^2/NDF:49.7/35

Out: -462.480+/-132.230 χ^2/NDF:89.4/39

All: -182.473+/-93.100 χ^2/NDF: 148.0/75

asym_sam_37_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 557.771+/-0.100 χ^2/NDF:1942757.9/20

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 547.175+/-0.099 χ^2/NDF:1812224.1/19

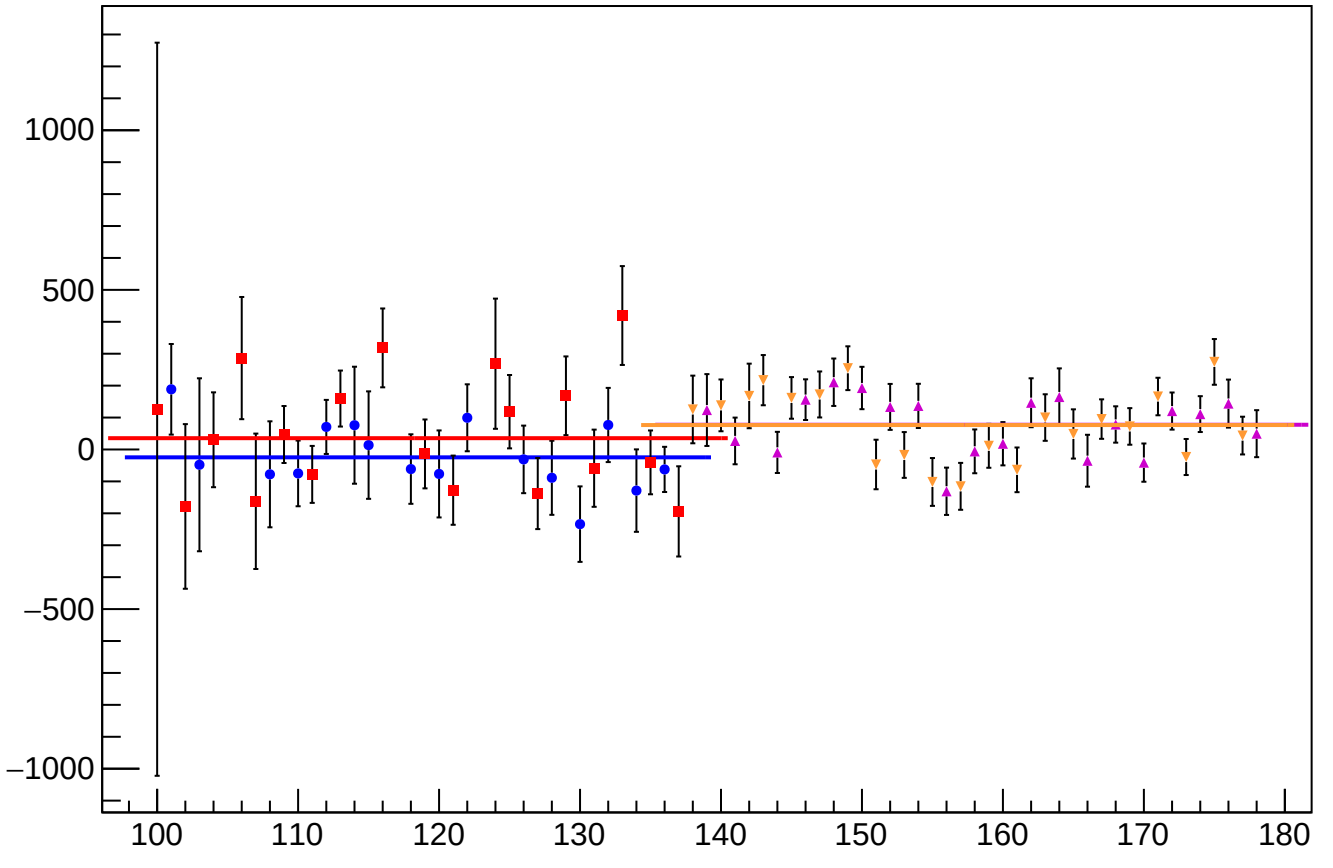
Left: 552.417+/-0.070 χ^2/NDF: 3760655.9/40

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 599.652+/-0.093 χ^2/NDF:4850480.7/35

Out: 611.665+/-0.094 χ^2/NDF:4968793.8/39

All: 605.607+/-0.066 χ^2/NDF: 9827597.7/75



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: 77.451+/-15.462 χ^2/NDF:31.1/19

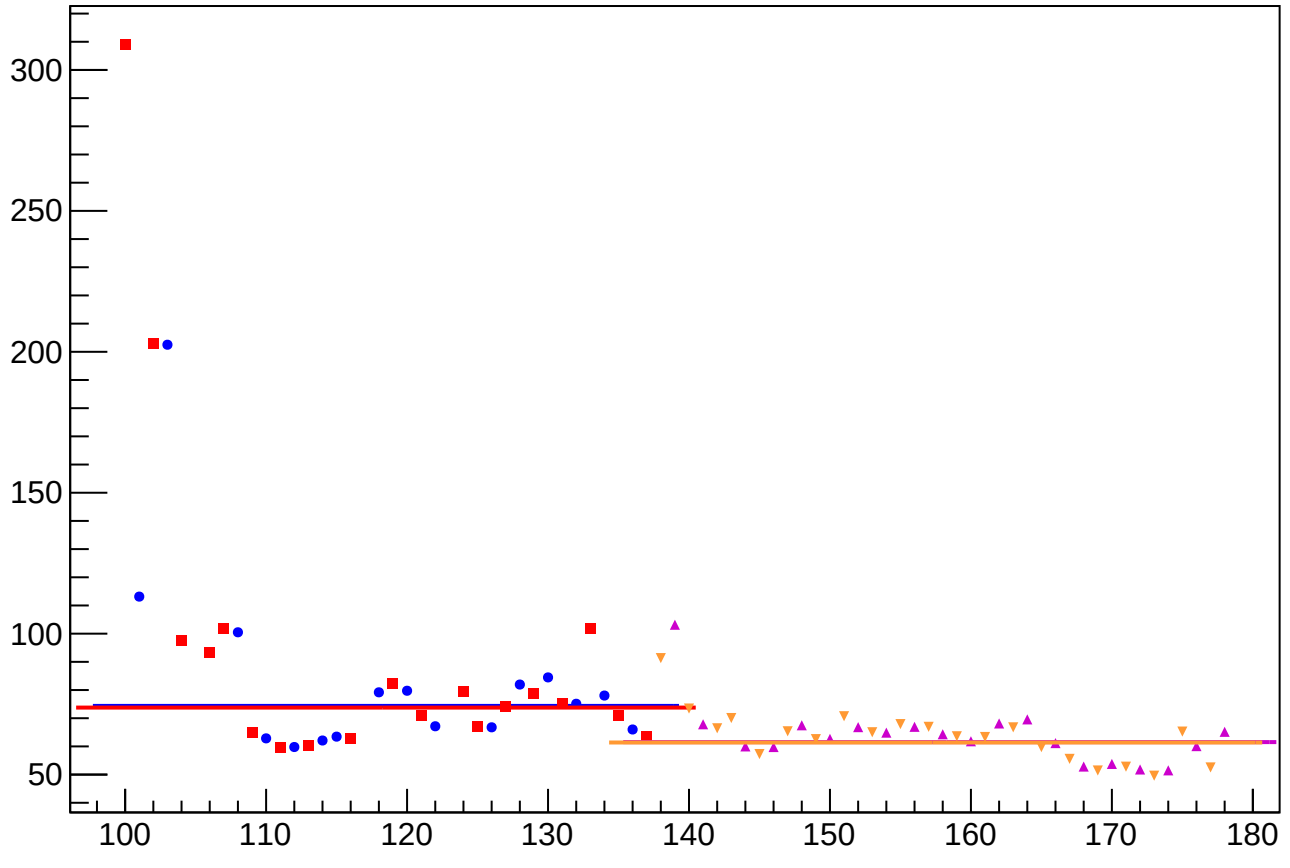
Left: 76.988+/-10.866 χ^2/NDF: 81.5/40

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 54.746+/-13.635 χ^2/NDF:51.8/35

Out: 67.332+/-13.458 χ^2/NDF:82.0/39

All: 61.122+/-9.578 χ^2/NDF: 134.3/75



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: 61.527+/-0.011 χ^2/NDF:570747.3/19

Left: 61.456+/-0.008 χ^2/NDF: 1152415.6/40

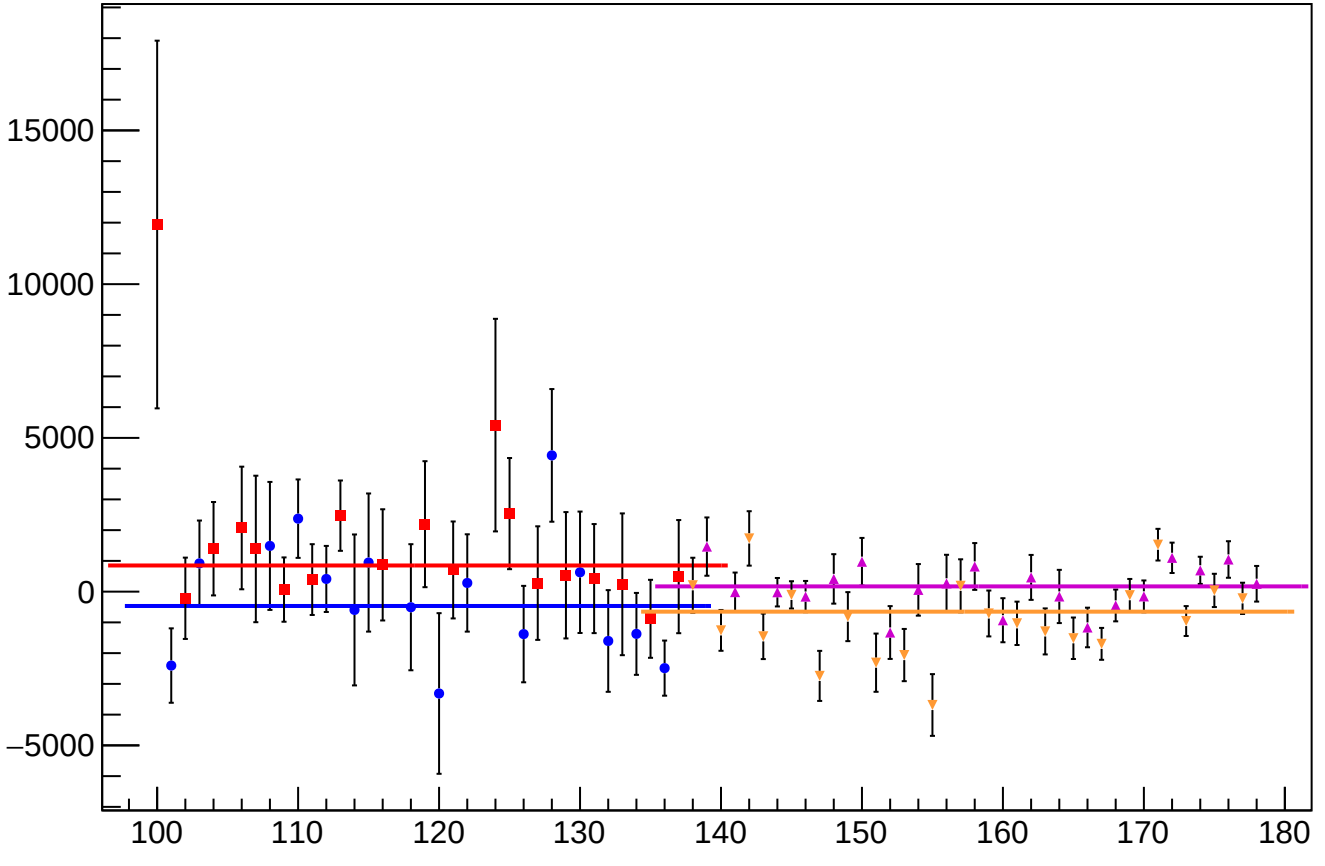
Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 64.383+/-0.010 χ^2/NDF:1705144.3/35

Out: 64.157+/-0.010 χ^2/NDF:1803906.6/39

All: 64.269+/-0.007 χ^2/NDF: 3509329.7/75

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: 170.655+/-139.933 χ^2/NDF:23.4/19

Left: -235.930+/-99.465 χ^2/NDF: 103.2/40

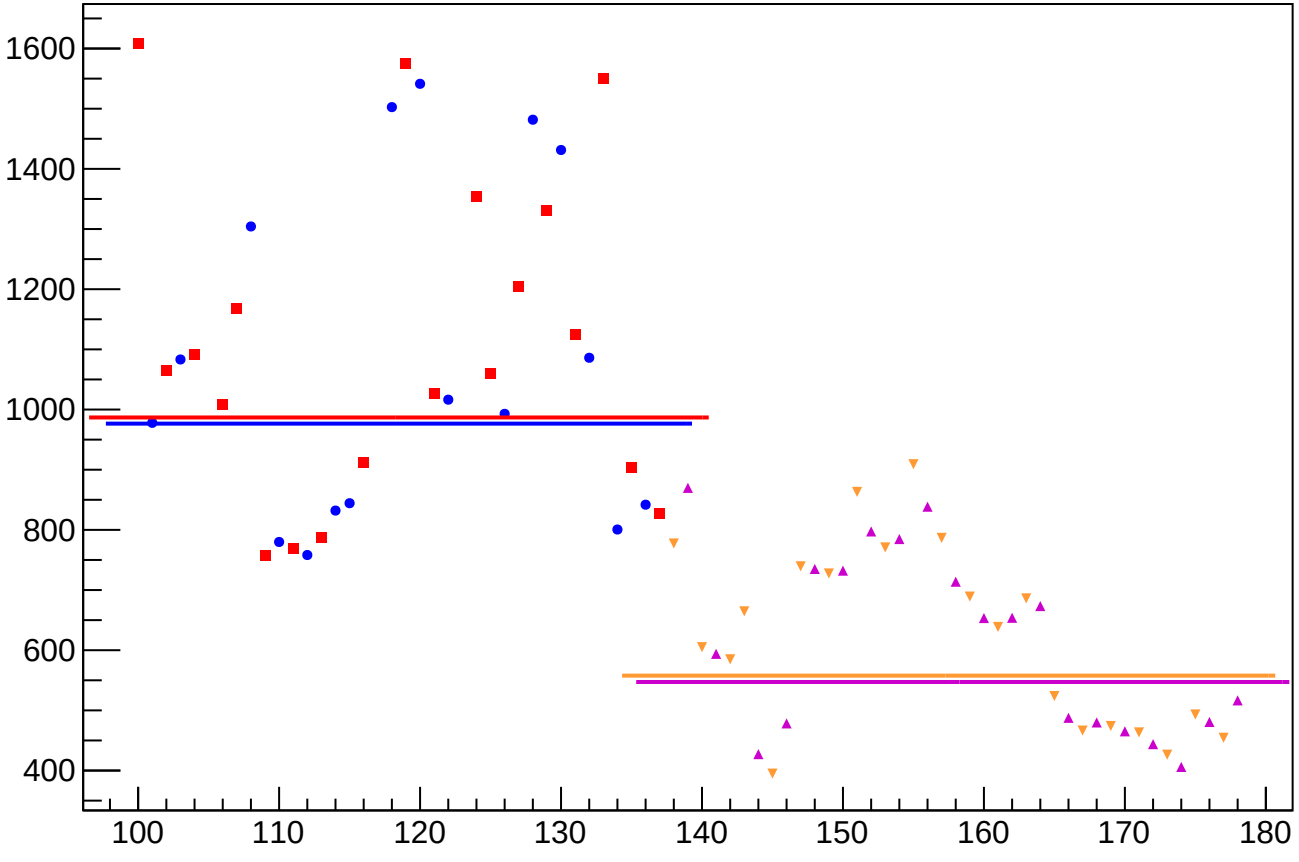
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: 92.789+/-131.105 χ^2/NDF:49.7/35

Out: -462.480+/-132.230 χ^2/NDF:89.4/39

All: -182.473+/-93.100 χ^2/NDF: 148.0/75

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: 547.175+/-0.099 χ^2/NDF:1812224.1/19

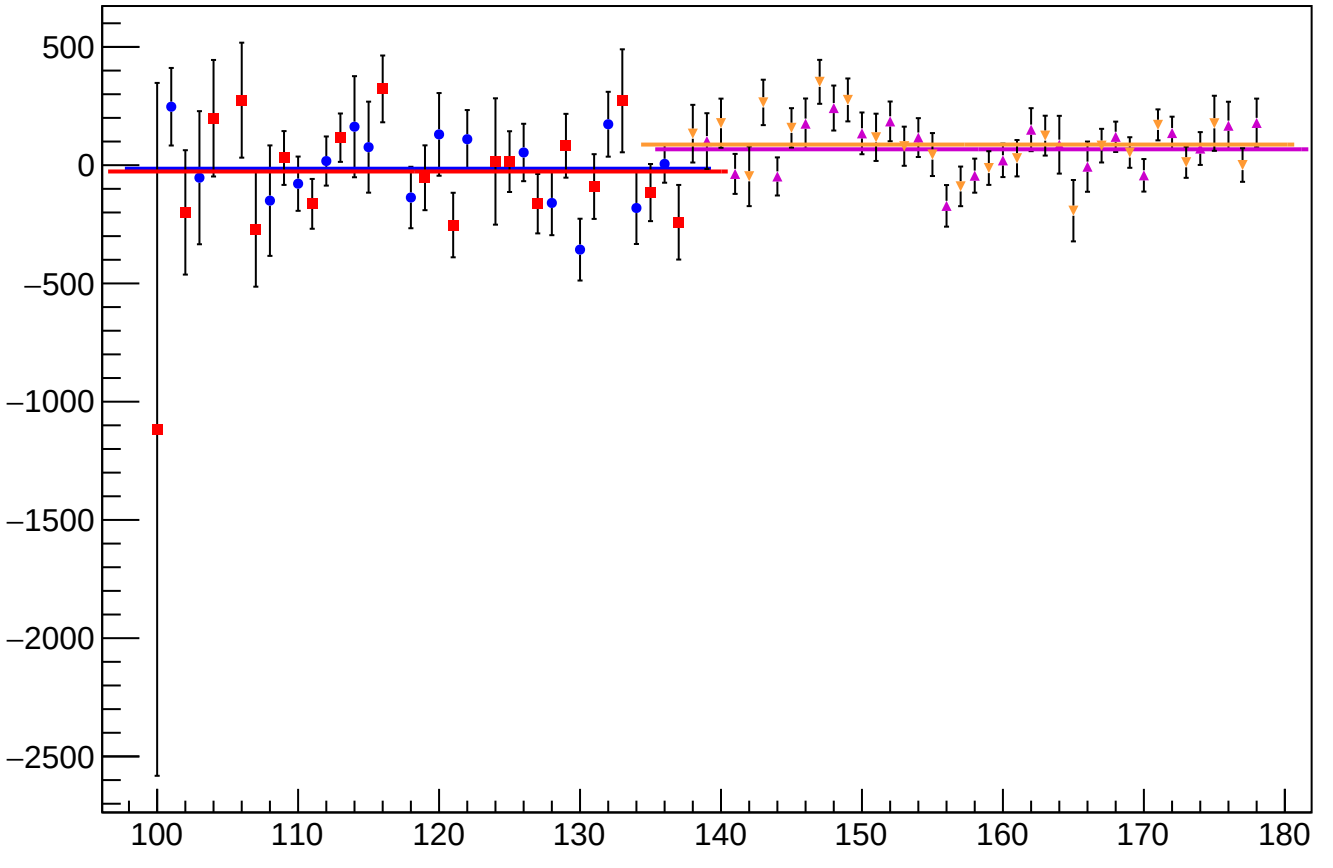
Left: 552.417+/-0.070 χ^2/NDF: 3760655.9/40

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 599.652+/-0.093 χ^2/NDF:4850480.7/35

Out: 611.665+/-0.094 χ^2/NDF:4968793.8/39

All: 605.607+/-0.066 χ^2/NDF: 9827597.7/75



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: 67.138+/-18.748 χ^2/NDF:28.9/19

Left: 77.355+/-13.122 χ^2/NDF: 65.5/40

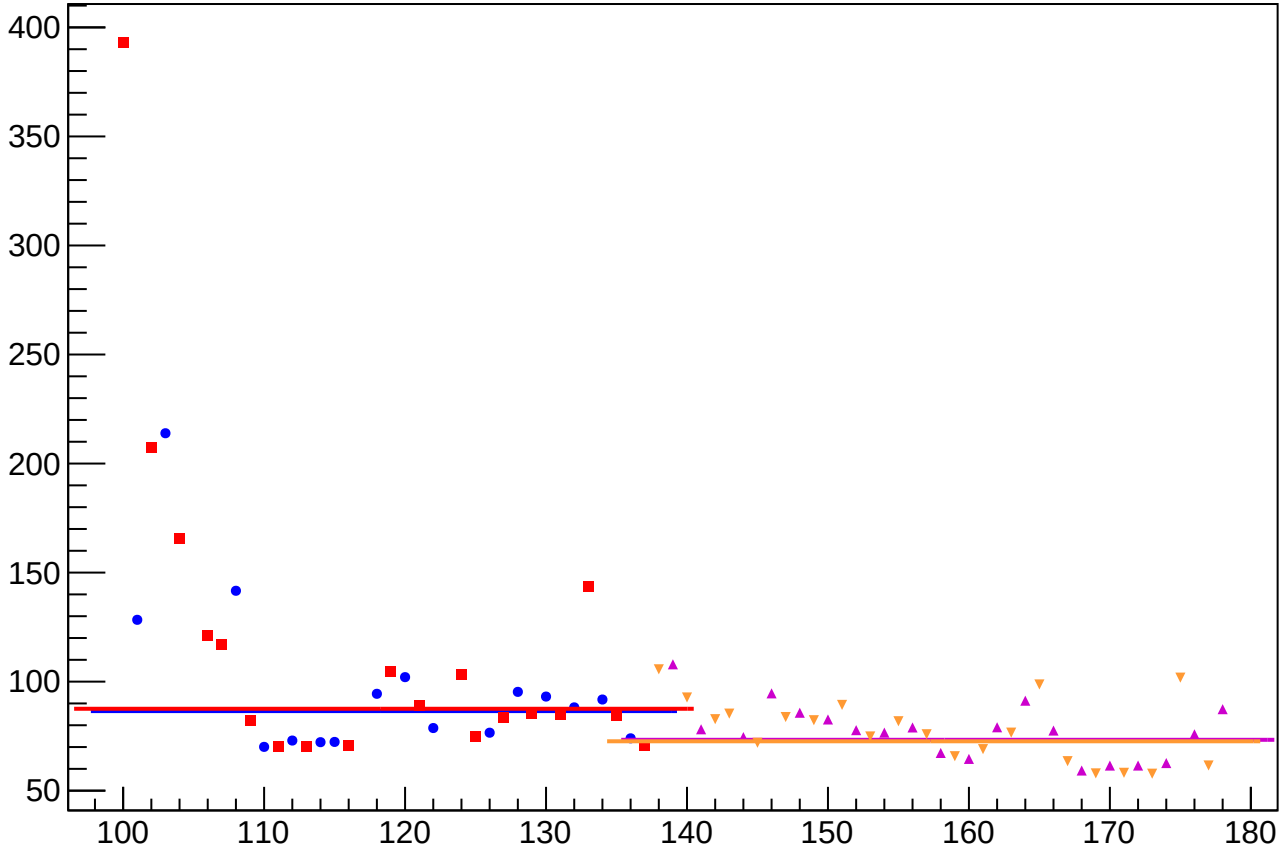
Right: -20.750+/-23.982 χ^2/NDF: 41.9/34

In: 47.790+/-16.390 χ^2/NDF:51.7/35

Out: 61.527+/-16.172 χ^2/NDF:68.3/39

All: 54.751+/-11.512 χ^2/NDF: 120.3/75

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: 73.324+/-0.013 χ^2/NDF:731457.6/19

Left: 72.978+/-0.009 χ^2/NDF: 1752291.9/40

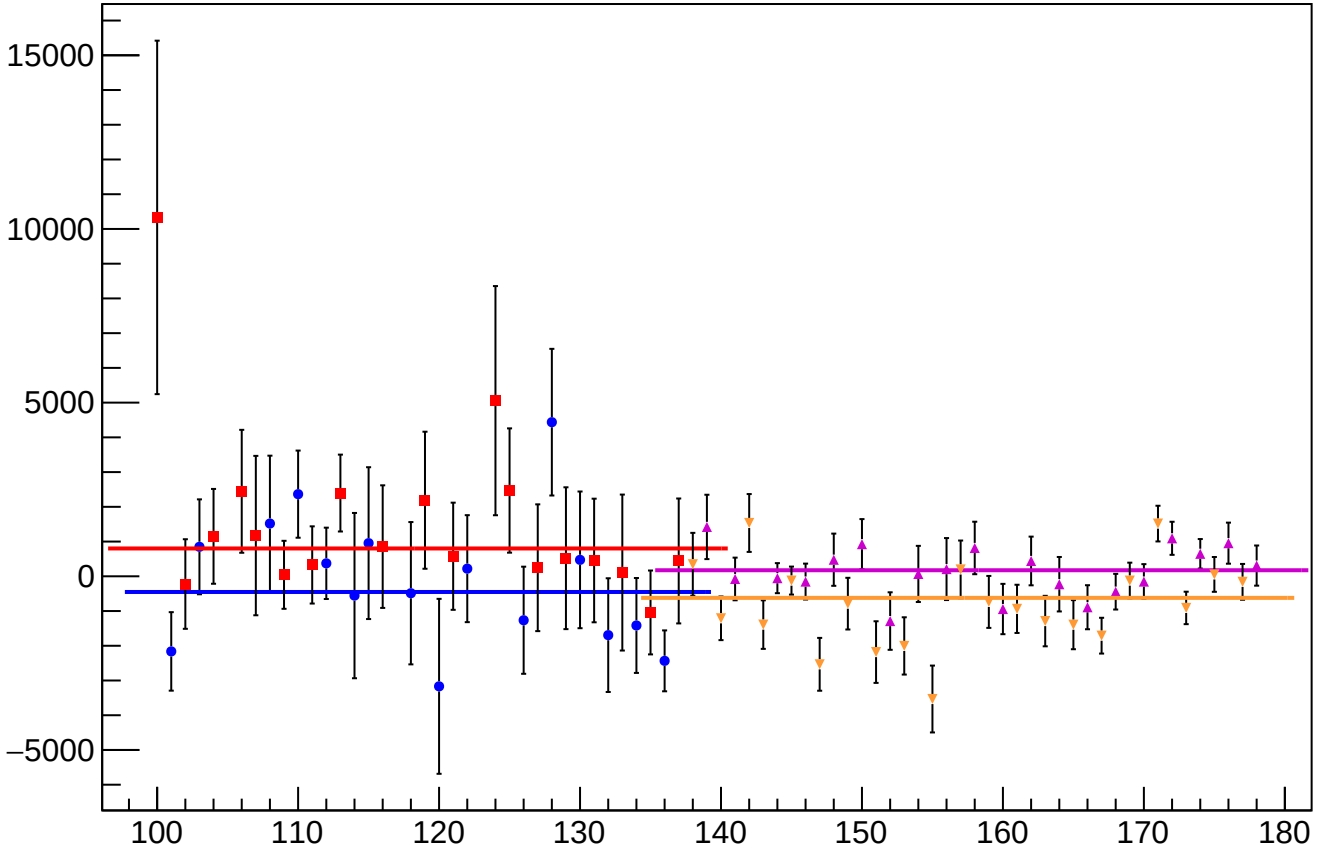
Right: 87.017+/-0.017 χ^2/NDF: 1987038.9/34

In: 76.427+/-0.012 χ^2/NDF:1820157.7/35

Out: 76.004+/-0.011 χ^2/NDF:2445951.5/39

All: 76.213+/-0.008 χ^2/NDF: 4266783.2/75

asym_sam_37_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -451.380+/-365.605 χ^2/NDF: 23.7/15

Left Out: -621.111+/-136.602 χ^2/NDF:61.8/20

Right Out: 801.206+/-357.866 χ^2/NDF: 13.6/18

Left In: 174.219+/-135.797 χ^2/NDF:22.0/19

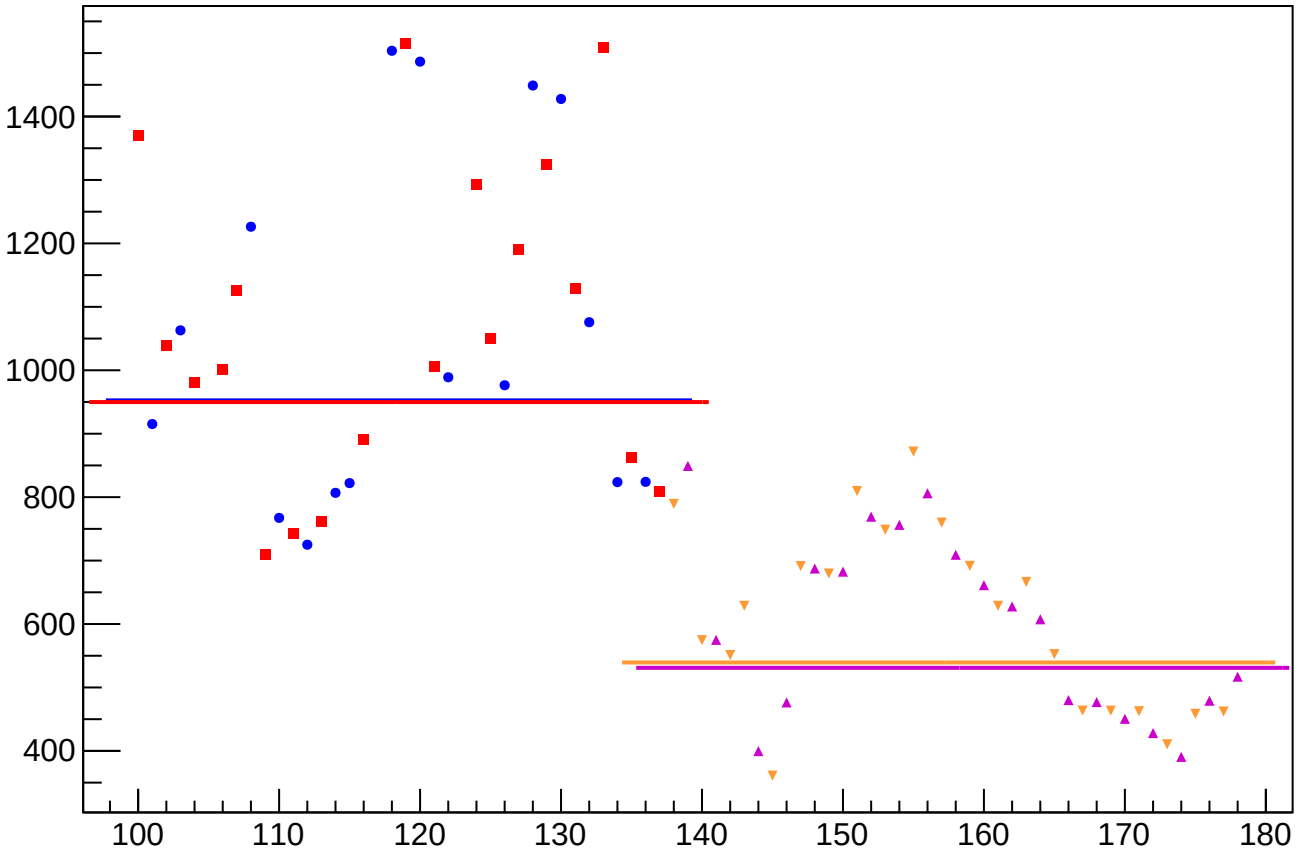
Left: -221.095+/-96.306 χ^2/NDF: 100.9/40

Right: 188.311+/-255.742 χ^2/NDF: 43.3/34

In: 98.374+/-127.300 χ^2/NDF:48.3/35

Out: -440.228+/-127.621 χ^2/NDF:89.3/39

All: -170.248+/-90.128 χ^2/NDF: 146.5/75



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: 530.956+/-0.096 χ^2/NDF:1786840.7/19

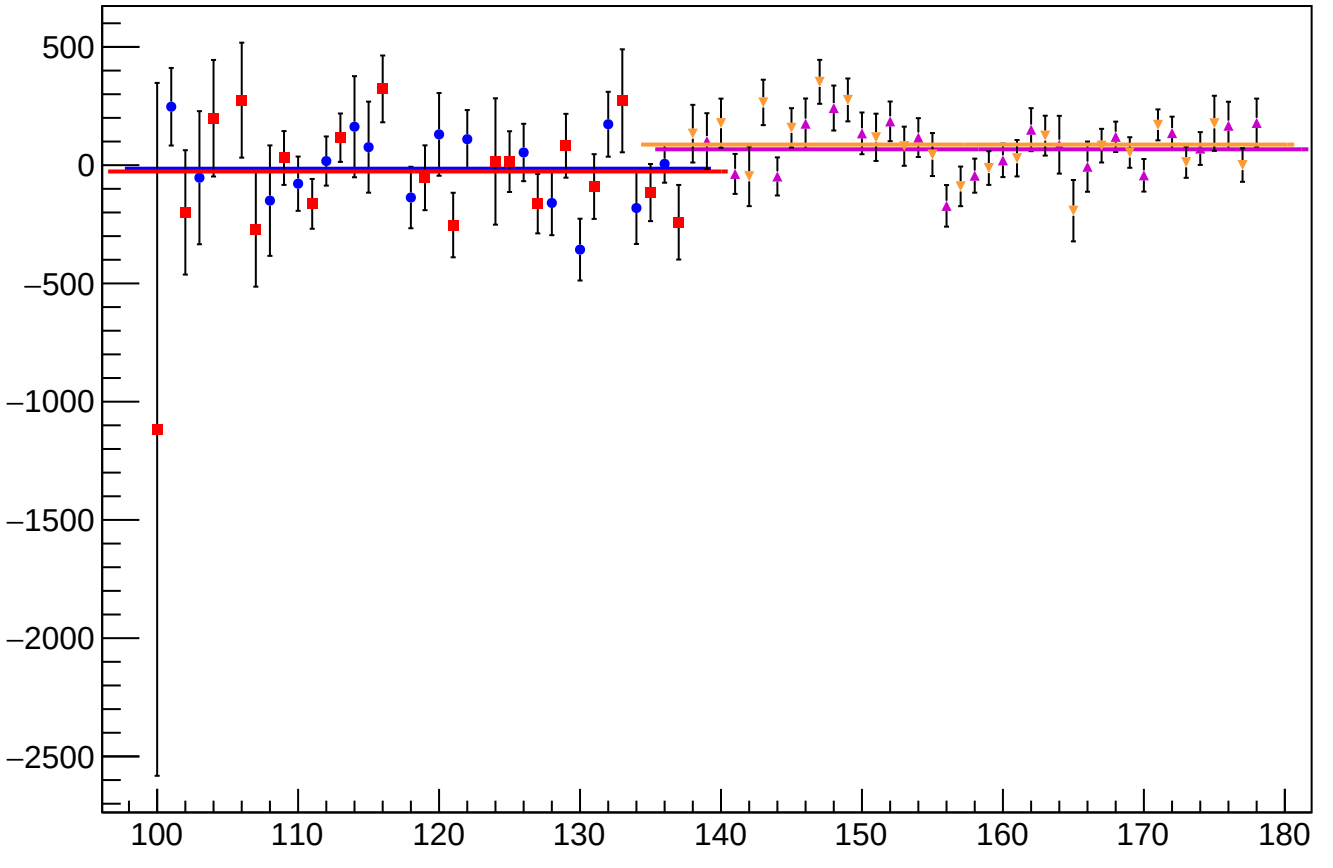
Left: 535.150+/-0.068 χ^2/NDF: 3777150.5/40

Right: 951.193+/-0.181 χ^2/NDF: 1498076.1/34

In: 582.068+/-0.090 χ^2/NDF:4870234.8/35

Out: 591.599+/-0.090 χ^2/NDF:5035026.6/39

All: 586.822+/-0.064 χ^2/NDF: 9910852.2/75



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: 67.137+/-18.748 χ^2/NDF:28.9/19

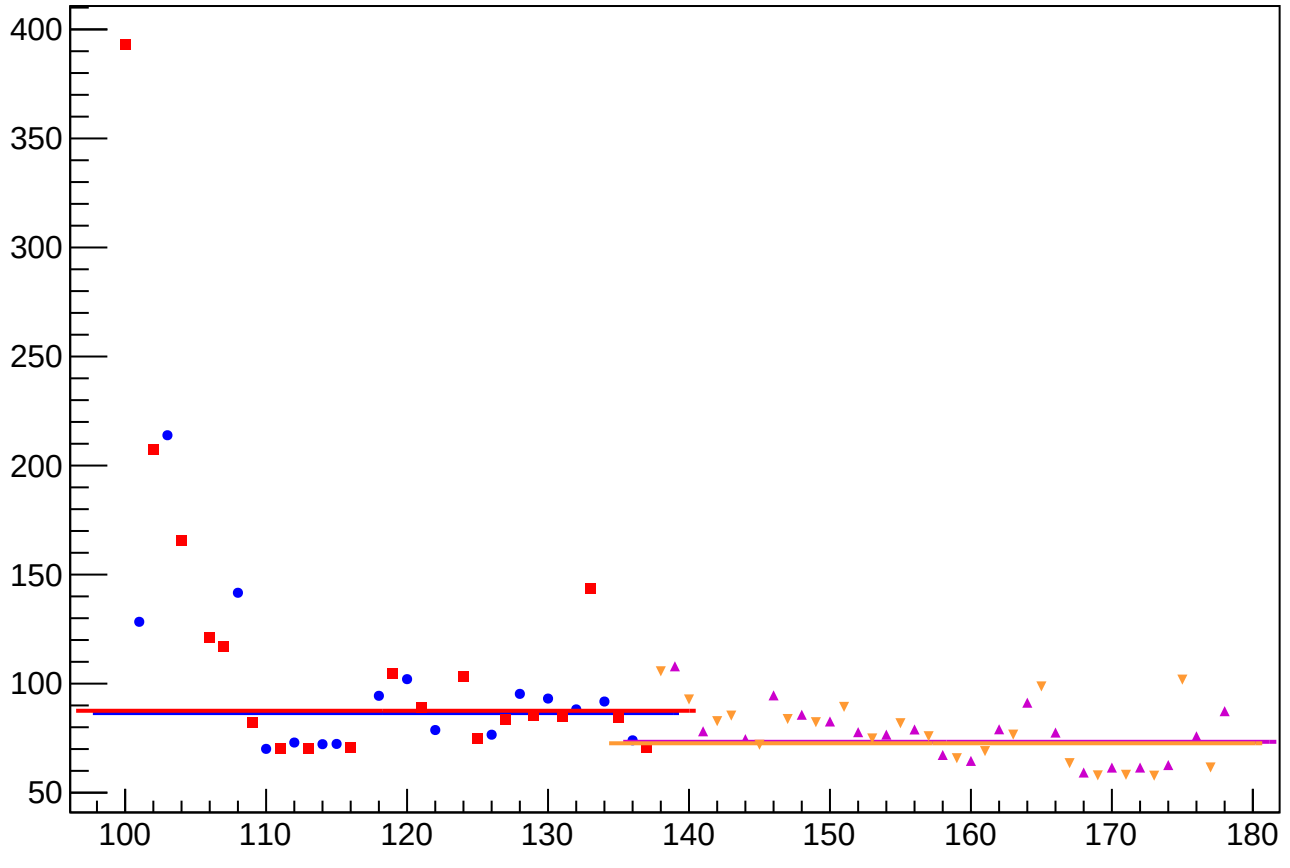
Left: 77.355+/-13.122 χ^2/NDF: 65.5/40

Right: -20.752+/-23.982 χ^2/NDF: 41.9/34

In: 47.789+/-16.390 χ^2/NDF:51.7/35

Out: 61.527+/-16.172 χ^2/NDF:68.3/39

All: 54.750+/-11.512 χ^2/NDF: 120.3/75



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: 73.324+/-0.013 χ^2/NDF:731462.7/19

Left: 72.978+/-0.009 χ^2/NDF: 1752303.7/40

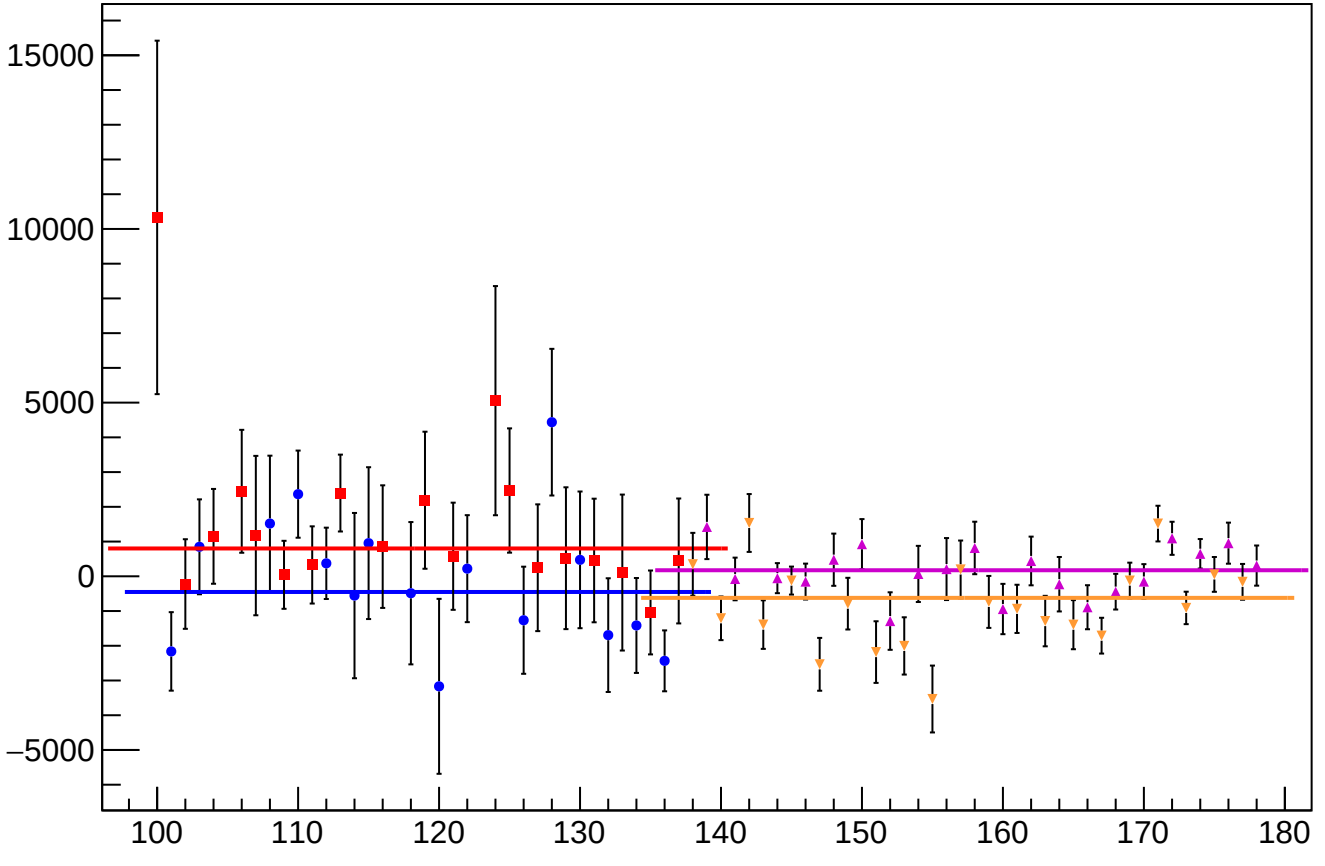
Right: 87.017+/-0.017 χ^2/NDF: 1987028.5/34

In: 76.427+/-0.012 χ^2/NDF:1820157.9/35

Out: 76.004+/-0.011 χ^2/NDF:2445961.3/39

All: 76.213+/-0.008 χ^2/NDF: 4266793.1/75

asym_sam_37_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -621.112+/-136.602 χ^2/NDF:61.8/20

Right Out: 801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: 174.218+/-135.797 χ^2/NDF:22.0/19

Left: -221.096+/-96.306 χ^2/NDF: 100.9/40

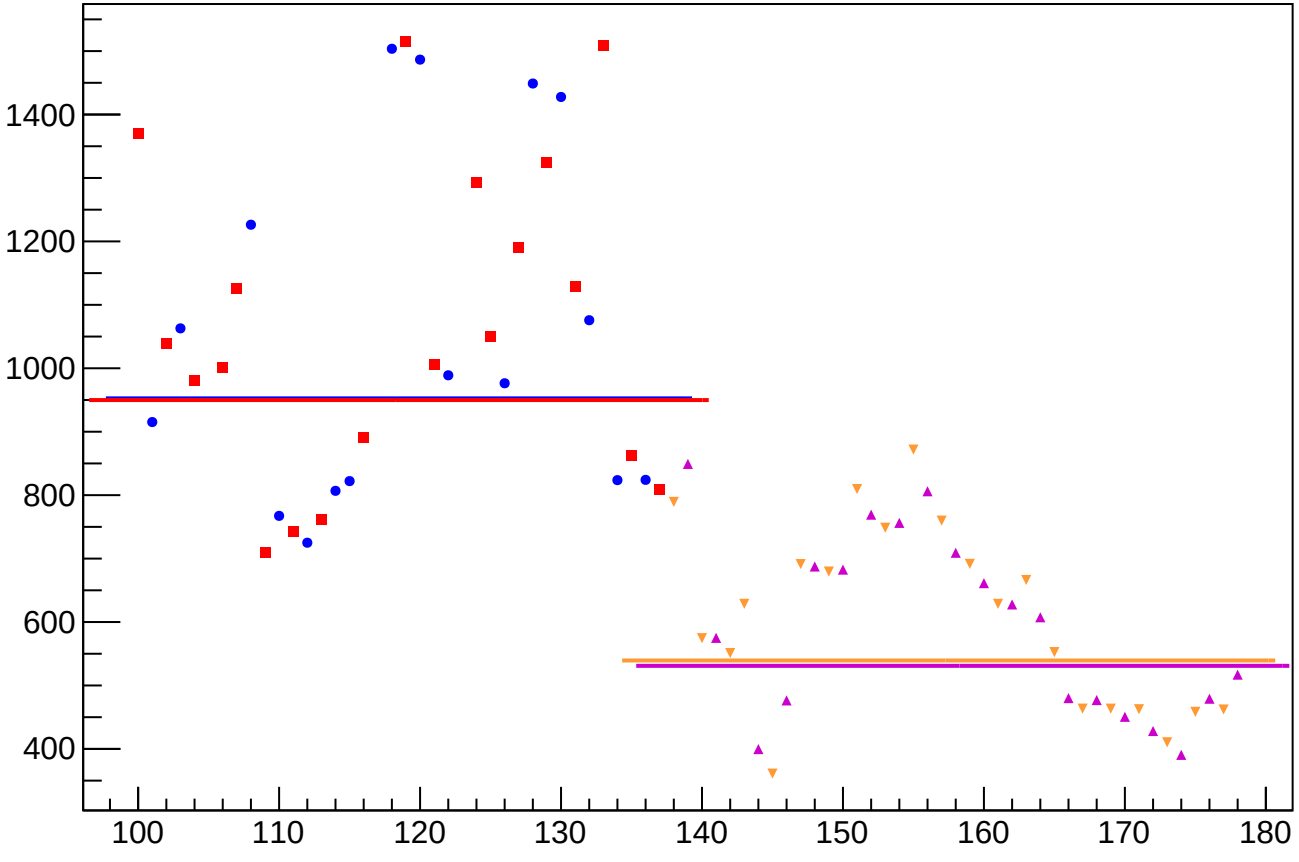
Right: 188.312+/-255.741 χ^2/NDF: 43.3/34

In: 98.374+/-127.299 χ^2/NDF:48.3/35

Out: -440.228+/-127.621 χ^2/NDF:89.3/39

All: -170.248+/-90.128 χ^2/NDF: 146.5/75

asym_sam_37_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 539.393+/-0.097 χ^2/NDF:1986467.8/20

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

Left In: 530.956+/-0.096 χ^2/NDF:1786834.9/19

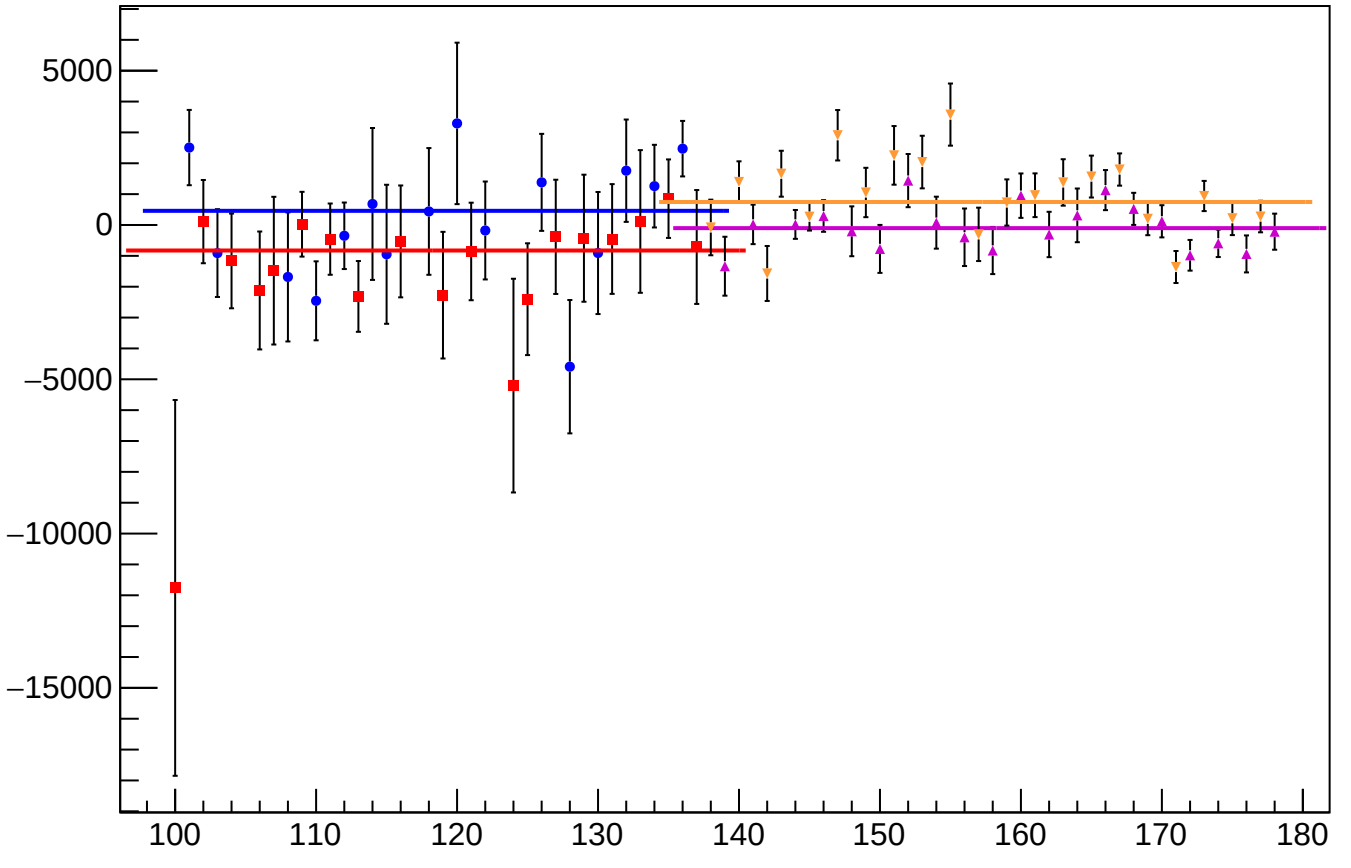
Left: 535.150+/-0.068 χ^2/NDF: 3777140.1/40

Right: 951.191+/-0.181 χ^2/NDF: 1498078.4/34

In: 582.068+/-0.090 χ^2/NDF:4870222.1/35

Out: 591.598+/-0.090 χ^2/NDF:5035013.2/39

All: 586.821+/-0.064 χ^2/NDF: 9910825.9/75



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: -101.620+/-140.910 χ^2/NDF:21.4/19

Left: 317.796+/-100.142 χ^2/NDF: 97.6/40

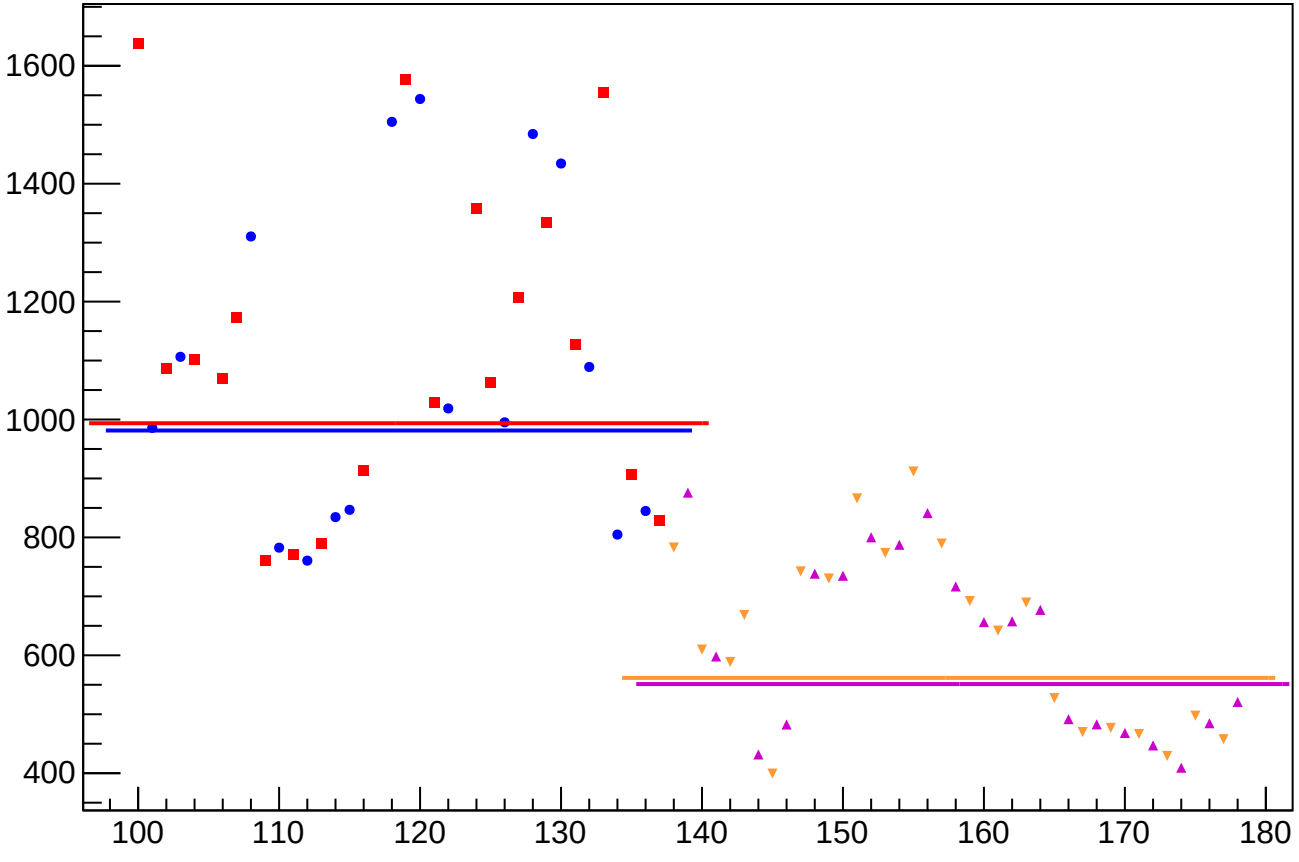
Right: -188.198+/-265.555 χ^2/NDF: 42.1/34

In: -32.844+/-131.986 χ^2/NDF:47.9/35

Out: 547.081+/-133.046 χ^2/NDF:85.5/39

All: 254.799+/-93.701 χ^2/NDF: 142.9/75

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: 551.212+/-0.100 χ^2/NDF:1788414.2/19

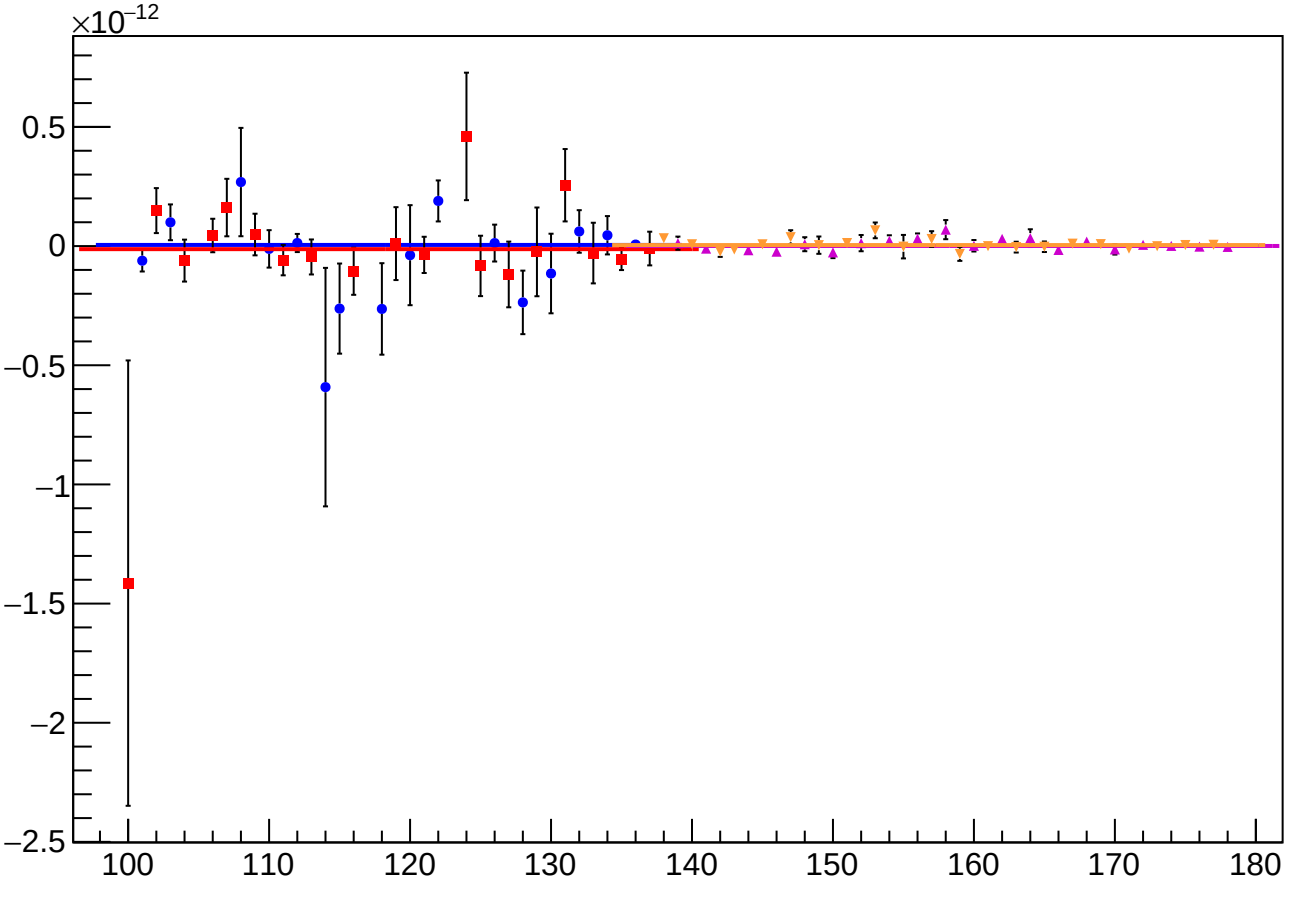
Left: 556.394+/-0.071 χ^2/NDF: 3711566.5/40

Right: 987.560+/-0.188 χ^2/NDF: 1458505.1/34

In: 603.968+/-0.093 χ^2/NDF:4811775.0/35

Out: 616.280+/-0.094 χ^2/NDF:4965648.3/39

All: 610.075+/-0.066 χ^2/NDF: 9786055.7/75



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:18.4/19

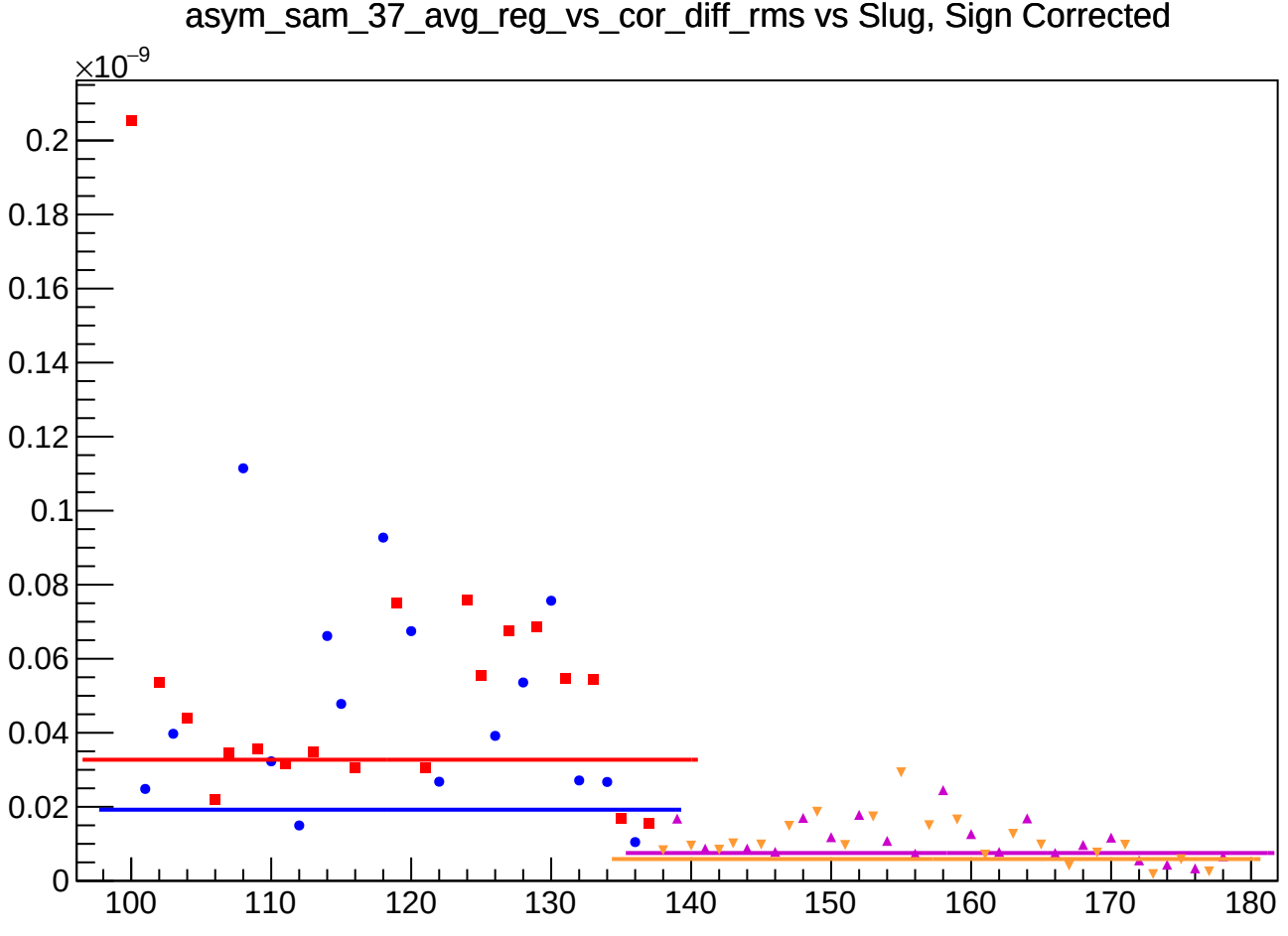
Left: 0.000+/-0.000 χ^2/NDF: 33.3/40

Right: -0.000+/-0.000 χ^2/NDF: 38.6/34

In: 0.000+/-0.000 χ^2/NDF:38.1/35

Out: 0.000+/-0.000 χ^2/NDF:33.4/39

All: 0.000+/-0.000 χ^2/NDF: 72.0/75



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:2099306.2/19

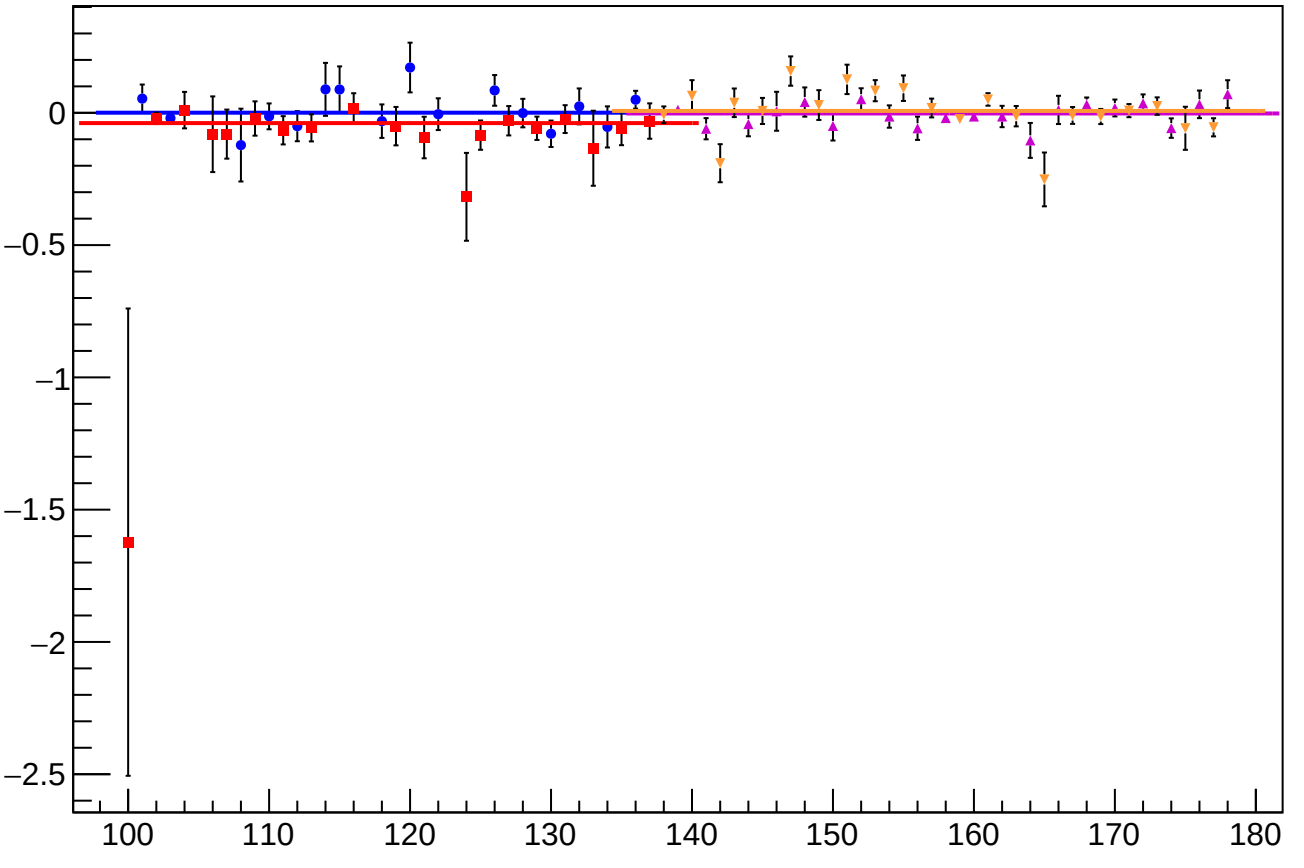
Left: 0.000+/-0.000 χ^2/NDF: 5829446.5/40

Right: 0.000+/-0.000 χ^2/NDF: 3729954.2/34

In: 0.000+/-0.000 χ^2/NDF:5306017.1/35

Out: 0.000+/-0.000 χ^2/NDF:7962584.5/39

All: 0.000+/-0.000 χ^2/NDF: 13536229.2/75



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: -0.002+/-0.007 χ^2/NDF:20.4/19

Left: 0.002+/-0.005 χ^2/NDF: 68.1/40

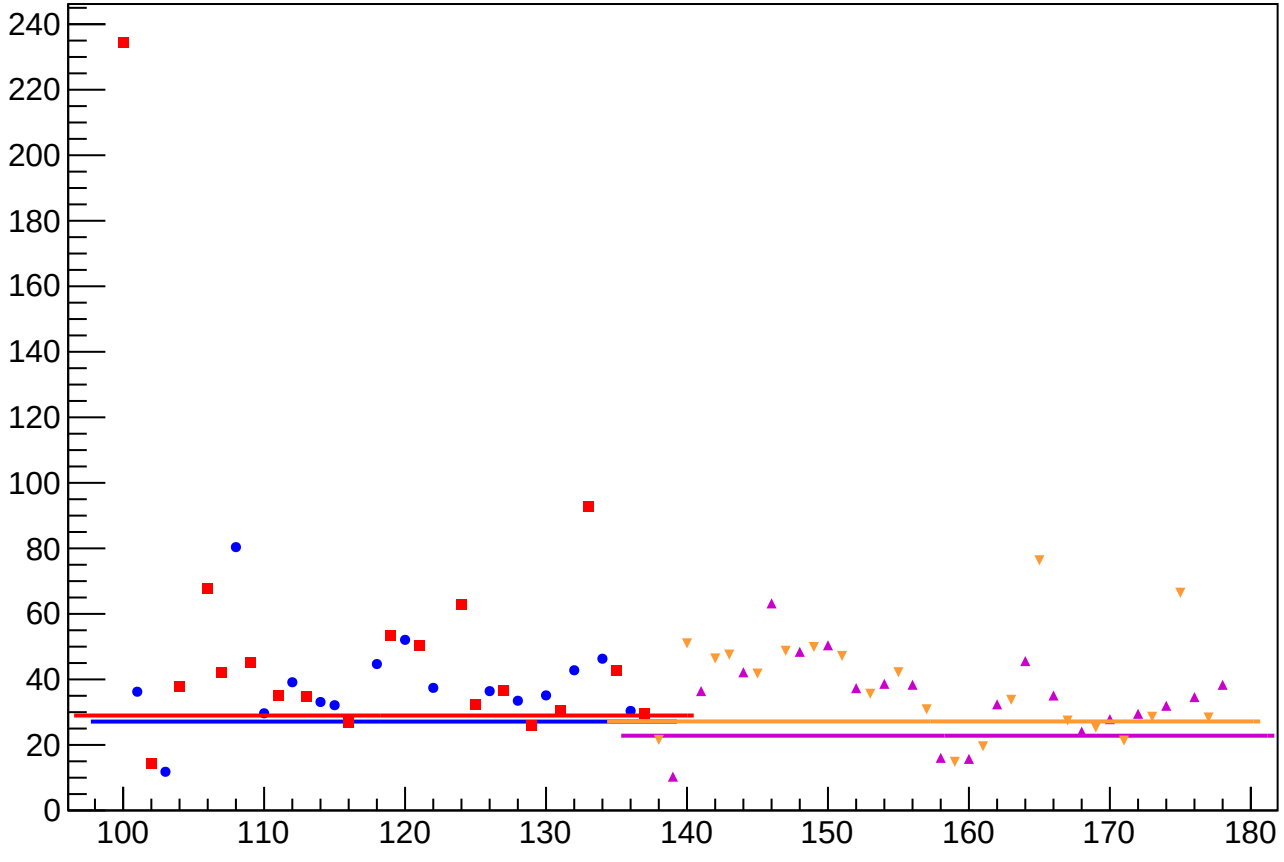
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.002+/-0.006 χ^2/NDF:36.9/35

Out: -0.005+/-0.007 χ^2/NDF:67.6/39

All: -0.003+/-0.004 χ^2/NDF: 104.6/75

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: 22.816+/-0.005 χ^2/NDF:6212712.3/19

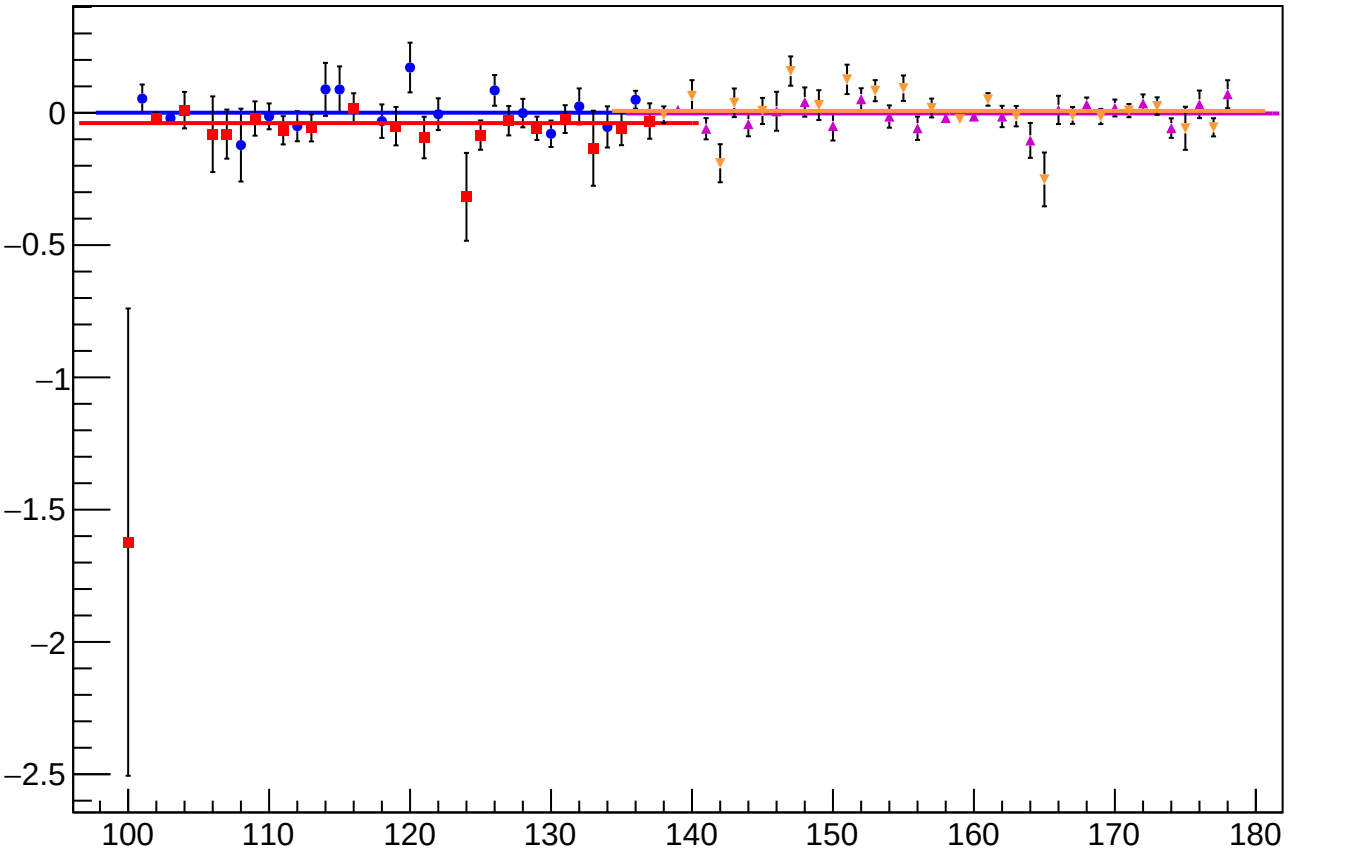
Left: 24.752+/-0.004 χ^2/NDF: 11203174.1/40

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 23.871+/-0.004 χ^2/NDF:8822028.0/35

Out: 27.658+/-0.005 χ^2/NDF:7116879.6/39

All: 25.584+/-0.003 χ^2/NDF: 16305160.1/75



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: -0.002+/-0.007 χ^2/NDF:20.4/19

Left: 0.002+/-0.005 χ^2/NDF: 68.1/40

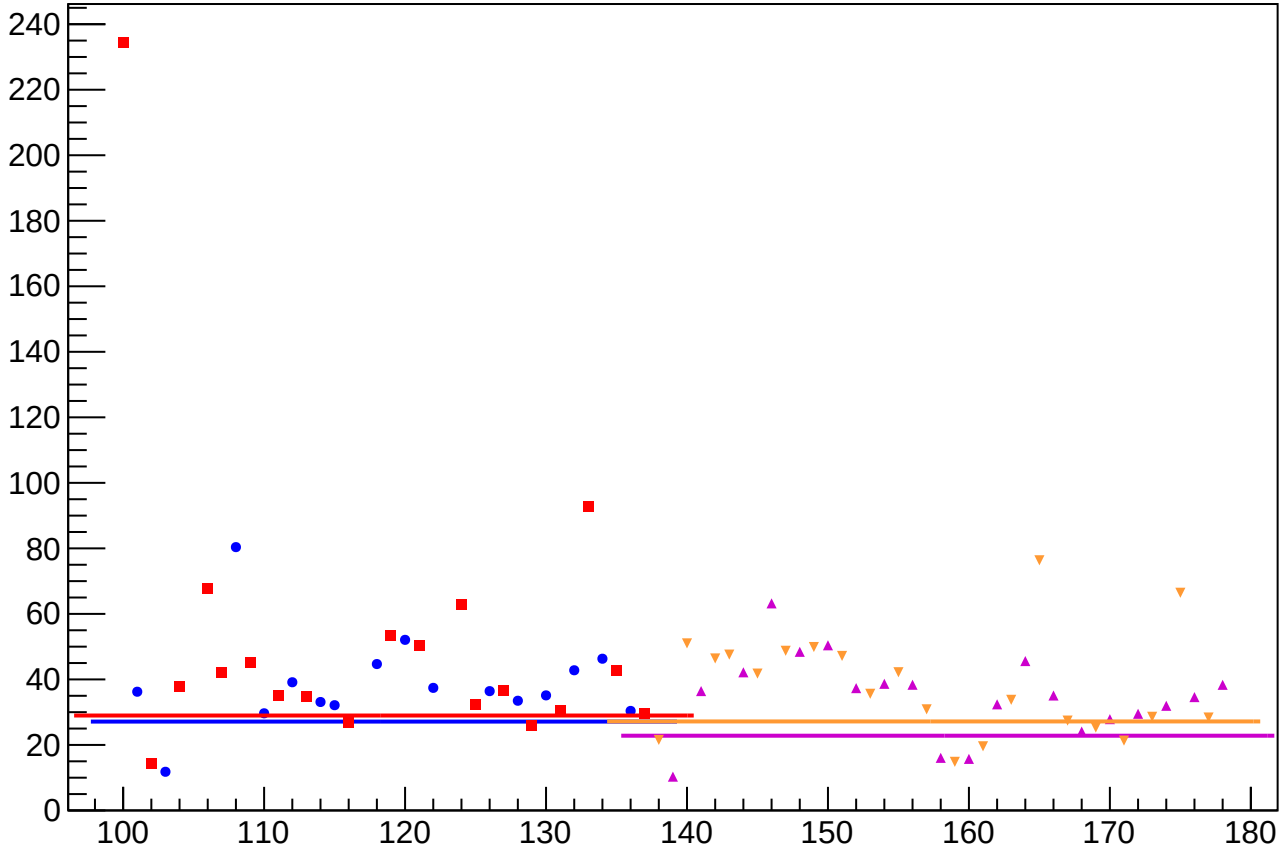
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.002+/-0.006 χ^2/NDF:36.9/35

Out: -0.005+/-0.007 χ^2/NDF:67.6/39

All: -0.003+/-0.004 χ^2/NDF: 104.6/75

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: 22.816+/-0.005 χ^2/NDF:6212712.3/19

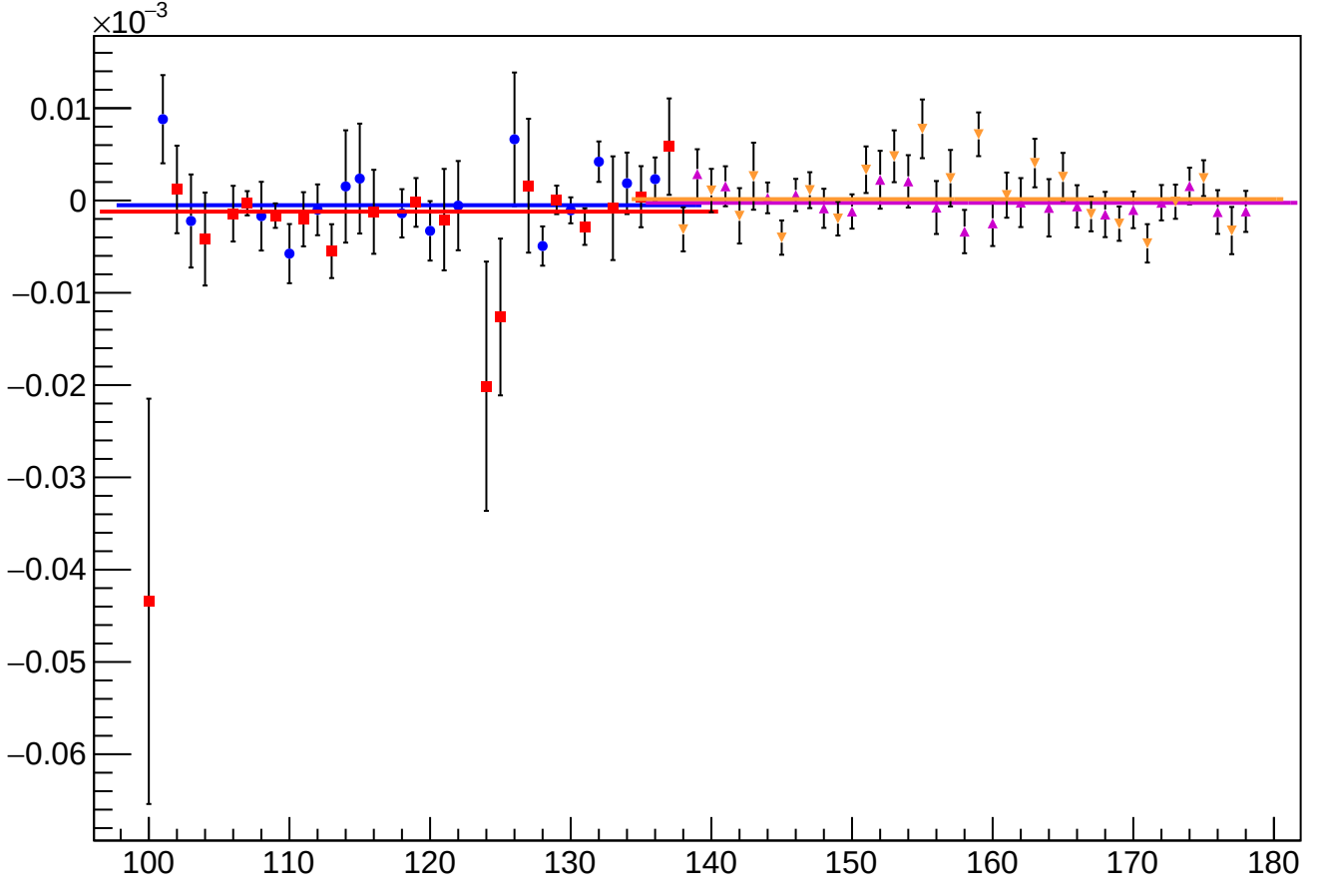
Left: 24.752+/-0.004 χ^2/NDF: 11203174.1/40

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 23.871+/-0.004 χ^2/NDF:8822028.0/35

Out: 27.658+/-0.005 χ^2/NDF:7116879.6/39

All: 25.584+/-0.003 χ^2/NDF: 16305160.1/75



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:8.3/19

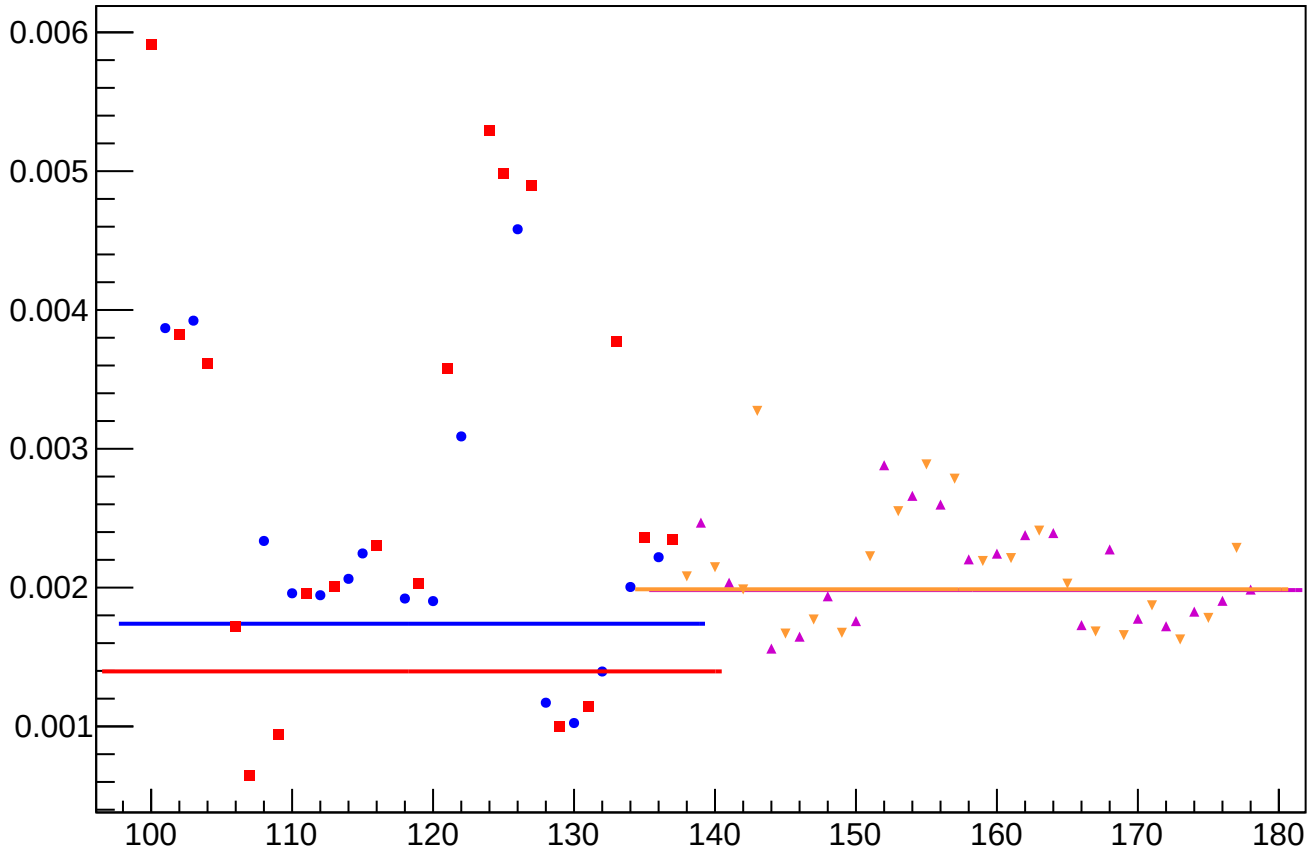
Left: -0.000+/-0.000 χ^2/NDF: 51.9/40

Right: -0.000+/-0.000 χ^2/NDF: 35.1/34

In: -0.000+/-0.000 χ^2/NDF:28.3/35

Out: -0.000+/-0.000 χ^2/NDF:60.8/39

All: -0.000+/-0.000 χ^2/NDF: 89.1/75



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:915256.0/19

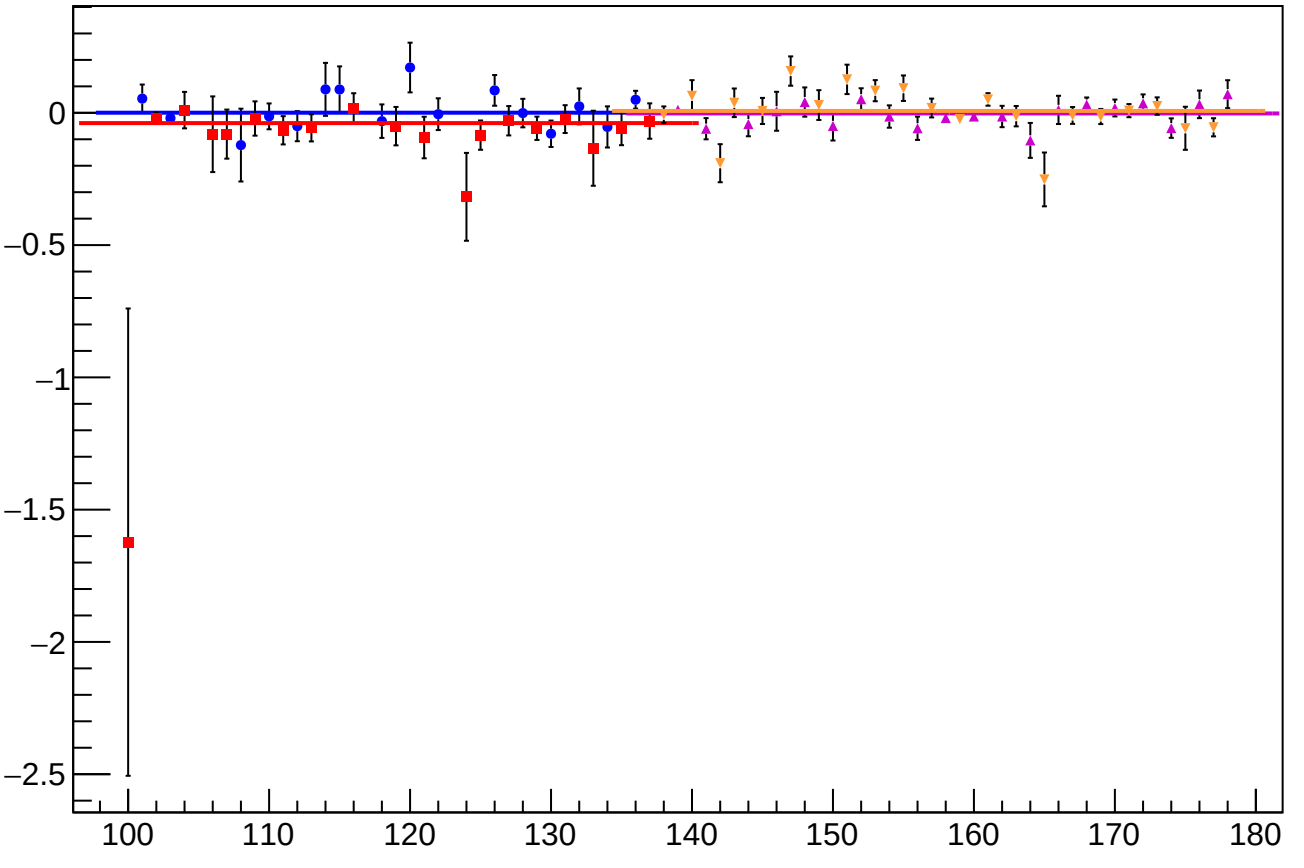
Left: 0.002+/-0.000 χ^2/NDF: 2045192.9/40

Right: 0.002+/-0.000 χ^2/NDF: 6735676.7/34

In: 0.002+/-0.000 χ^2/NDF:3216066.3/35

Out: 0.002+/-0.000 χ^2/NDF:6578007.7/39

All: 0.002+/-0.000 χ^2/NDF: 9937241.9/75



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: -0.002+/-0.007 χ^2/NDF:20.4/19

Left: 0.002+/-0.005 χ^2/NDF: 68.1/40

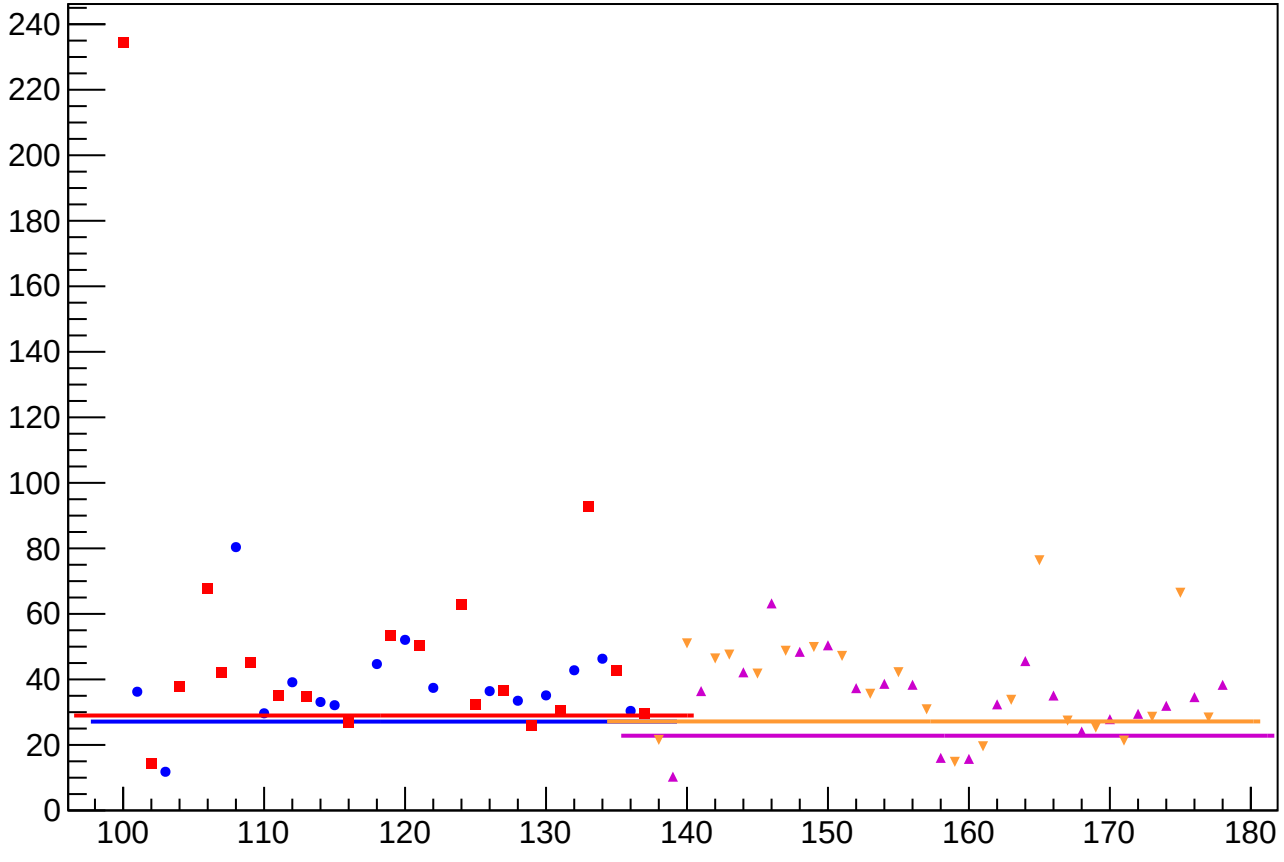
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.002+/-0.006 χ^2/NDF:36.9/35

Out: -0.005+/-0.007 χ^2/NDF:67.6/39

All: -0.003+/-0.004 χ^2/NDF: 104.6/75

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: 22.815+/-0.005 χ^2/NDF:6213697.6/19

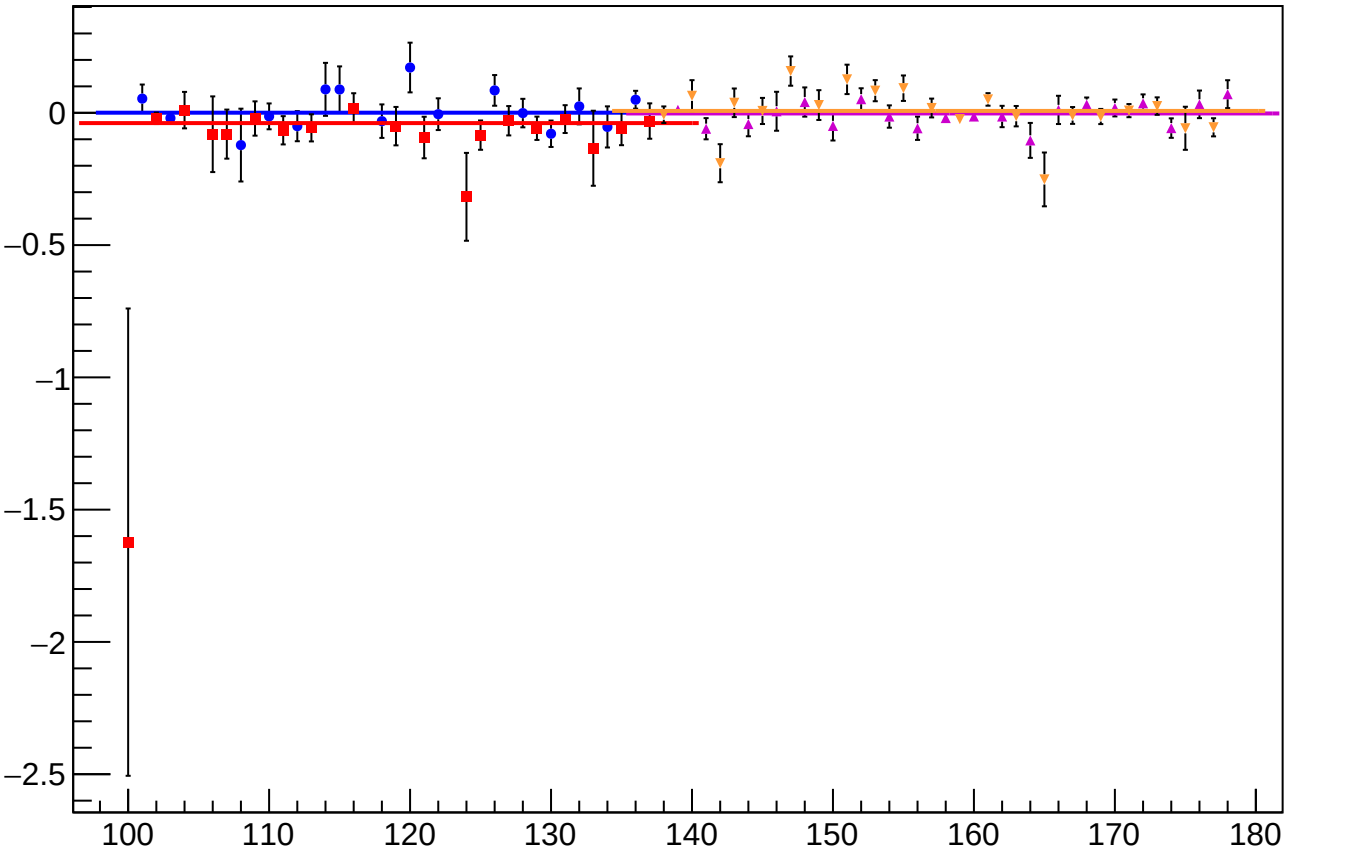
Left: 24.751+/-0.004 χ^2/NDF: 11204720.2/40

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 23.870+/-0.004 χ^2/NDF:8823385.7/35

Out: 27.659+/-0.005 χ^2/NDF:7116810.4/39

All: 25.584+/-0.003 χ^2/NDF: 16306734.4/75



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: -0.002+/-0.007 χ^2/NDF:20.4/19

Left: 0.002+/-0.005 χ^2/NDF: 68.1/40

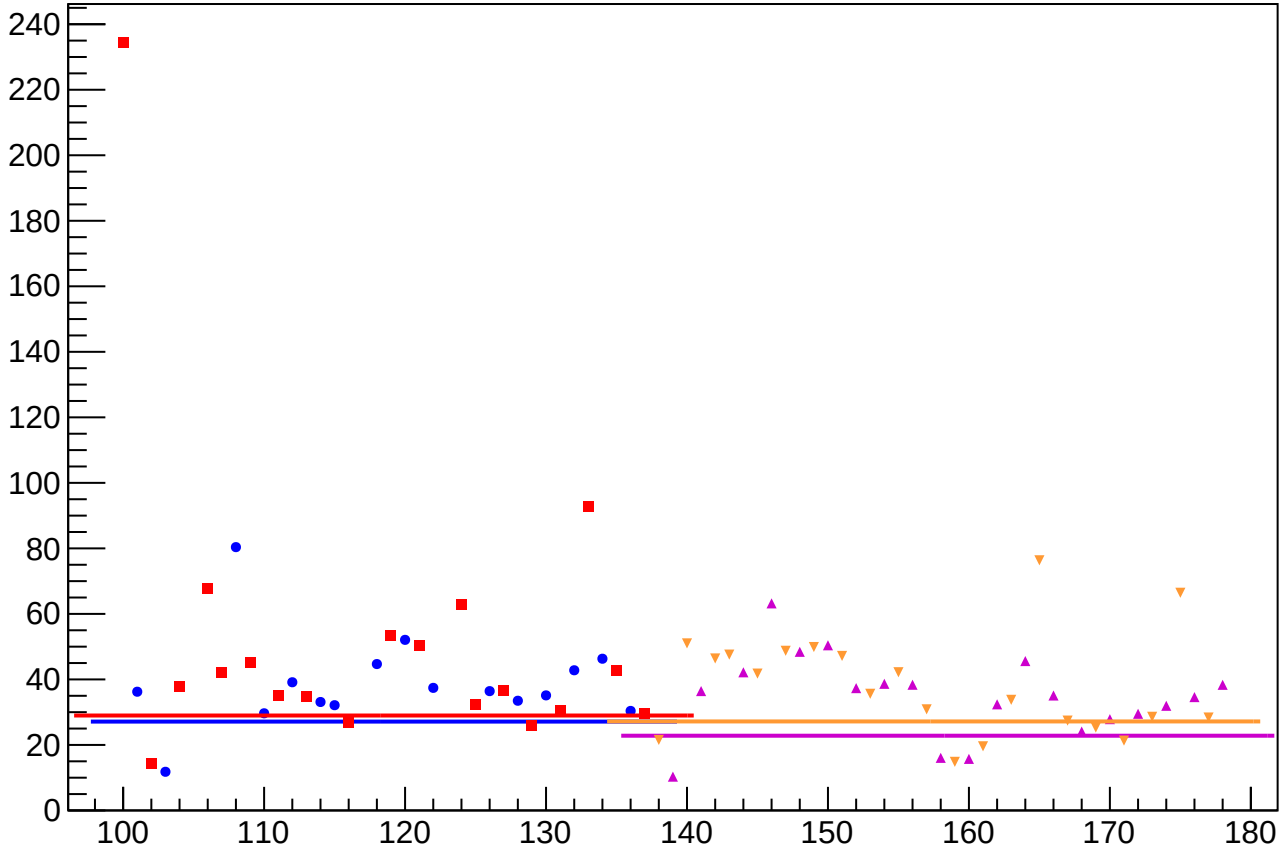
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.002+/-0.006 χ^2/NDF:36.9/35

Out: -0.005+/-0.007 χ^2/NDF:67.6/39

All: -0.003+/-0.004 χ^2/NDF: 104.6/75

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: 22.815+/-0.005 χ^2/NDF:6213697.6/19

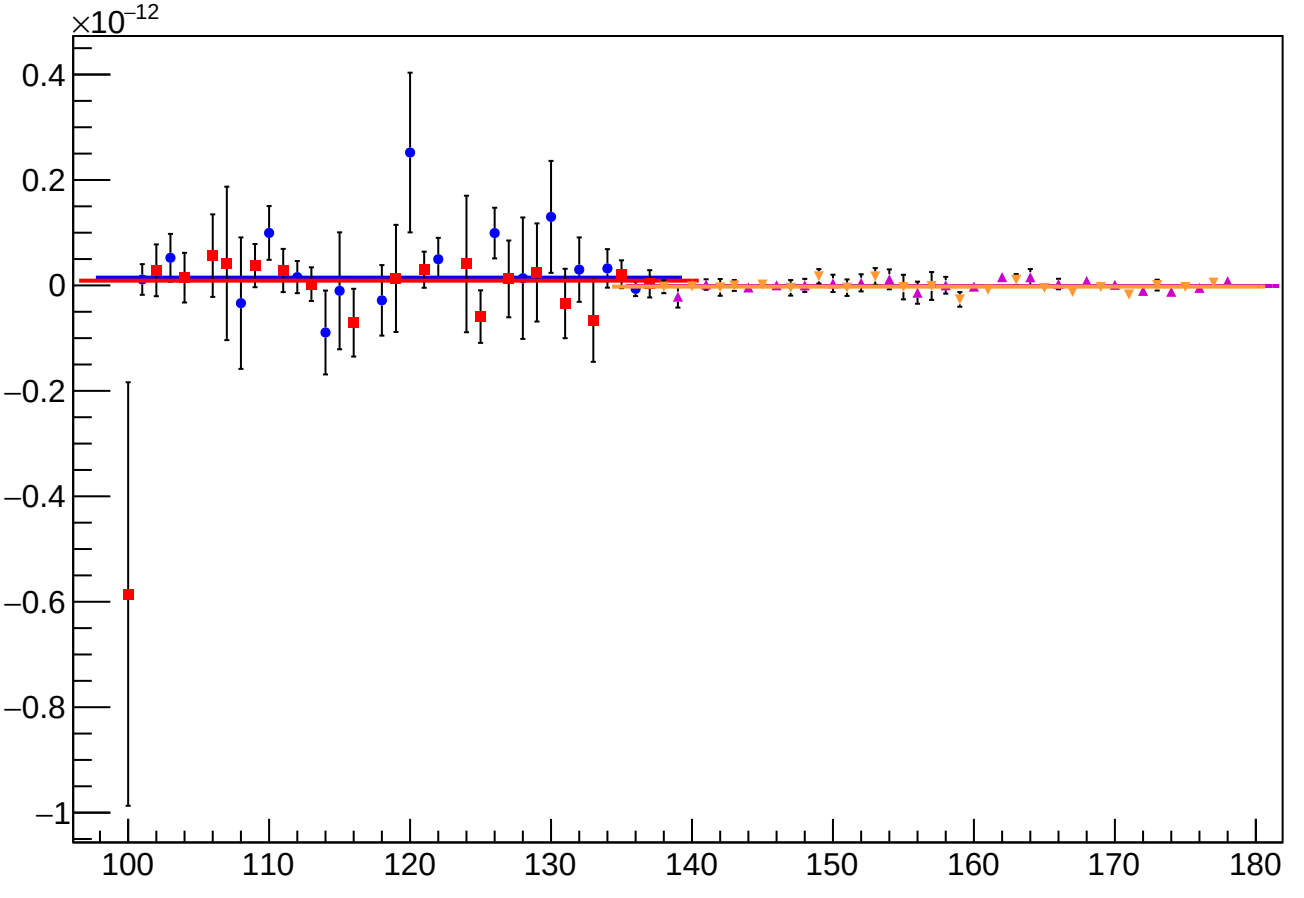
Left: 24.751+/-0.004 χ^2/NDF: 11204720.2/40

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 23.870+/-0.004 χ^2/NDF:8823385.7/35

Out: 27.659+/-0.005 χ^2/NDF:7116810.4/39

All: 25.584+/-0.003 χ^2/NDF: 16306734.4/75



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:15.1/19

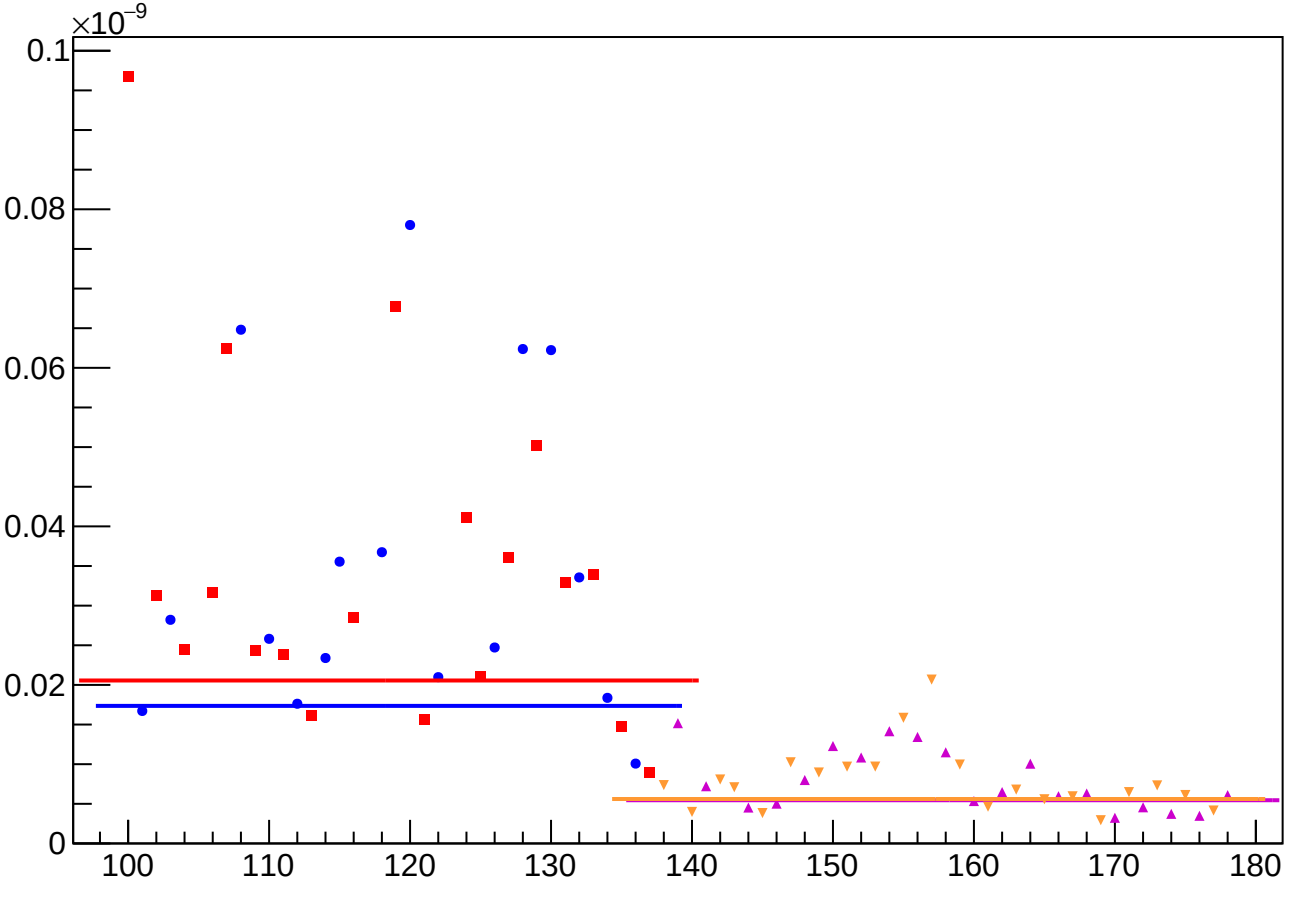
Left: -0.000+/-0.000 χ^2/NDF: 30.3/40

Right: 0.000+/-0.000 χ^2/NDF: 25.1/34

In: -0.000+/-0.000 χ^2/NDF:33.7/35

Out: -0.000+/-0.000 χ^2/NDF:25.1/39

All: -0.000+/-0.000 χ^2/NDF: 59.1/75



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:3185294.9/19

Left: 0.000+/-0.000 χ^2/NDF: 6121769.6/40

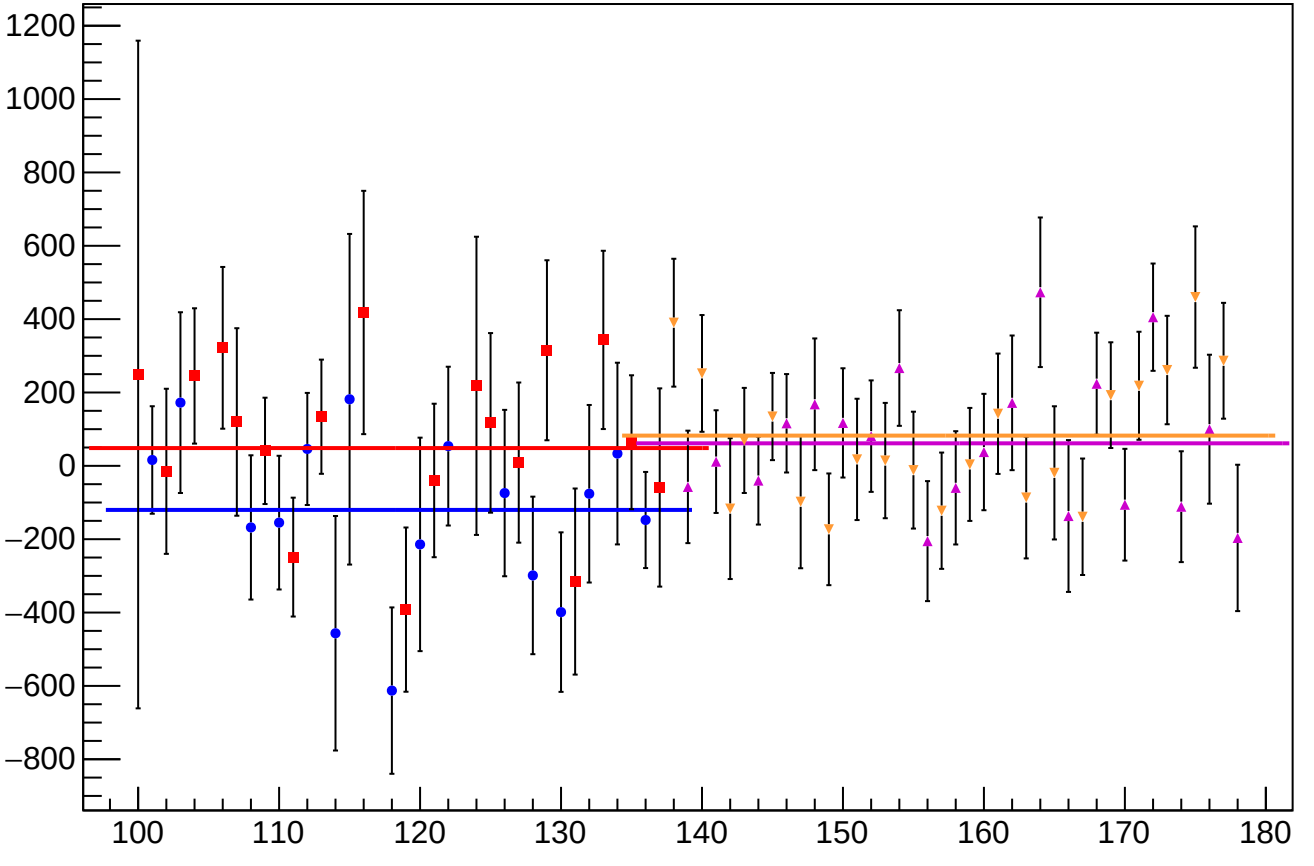
Right: 0.000+/-0.000 χ^2/NDF: 4467051.7/34

In: 0.000+/-0.000 χ^2/NDF:8662616.0/35

Out: 0.000+/-0.000 χ^2/NDF:8539866.4/39

All: 0.000+/-0.000 χ^2/NDF: 17208469.5/75

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



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: 61.415+/-35.161 χ^2/NDF:23.6/19

Left: 72.146+/-24.618 χ^2/NDF: 47.5/40

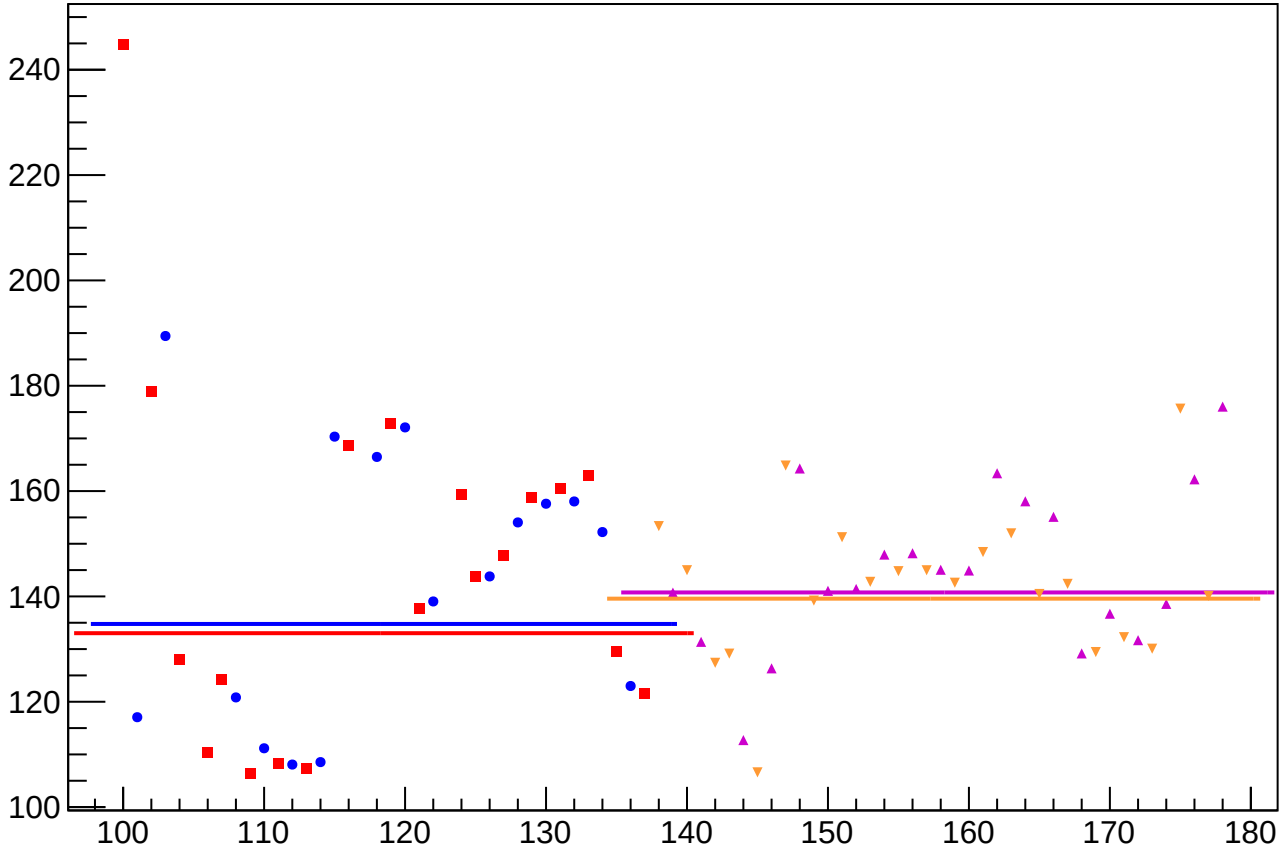
Right: -33.863+/-35.706 χ^2/NDF: 36.0/34

In: 3.075+/-28.967 χ^2/NDF:45.6/35

Out: 71.476+/-28.367 χ^2/NDF:41.1/39

All: 37.991+/-20.267 χ^2/NDF: 89.5/75

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: 140.754+/-0.025 χ^2/NDF:349513.2/19

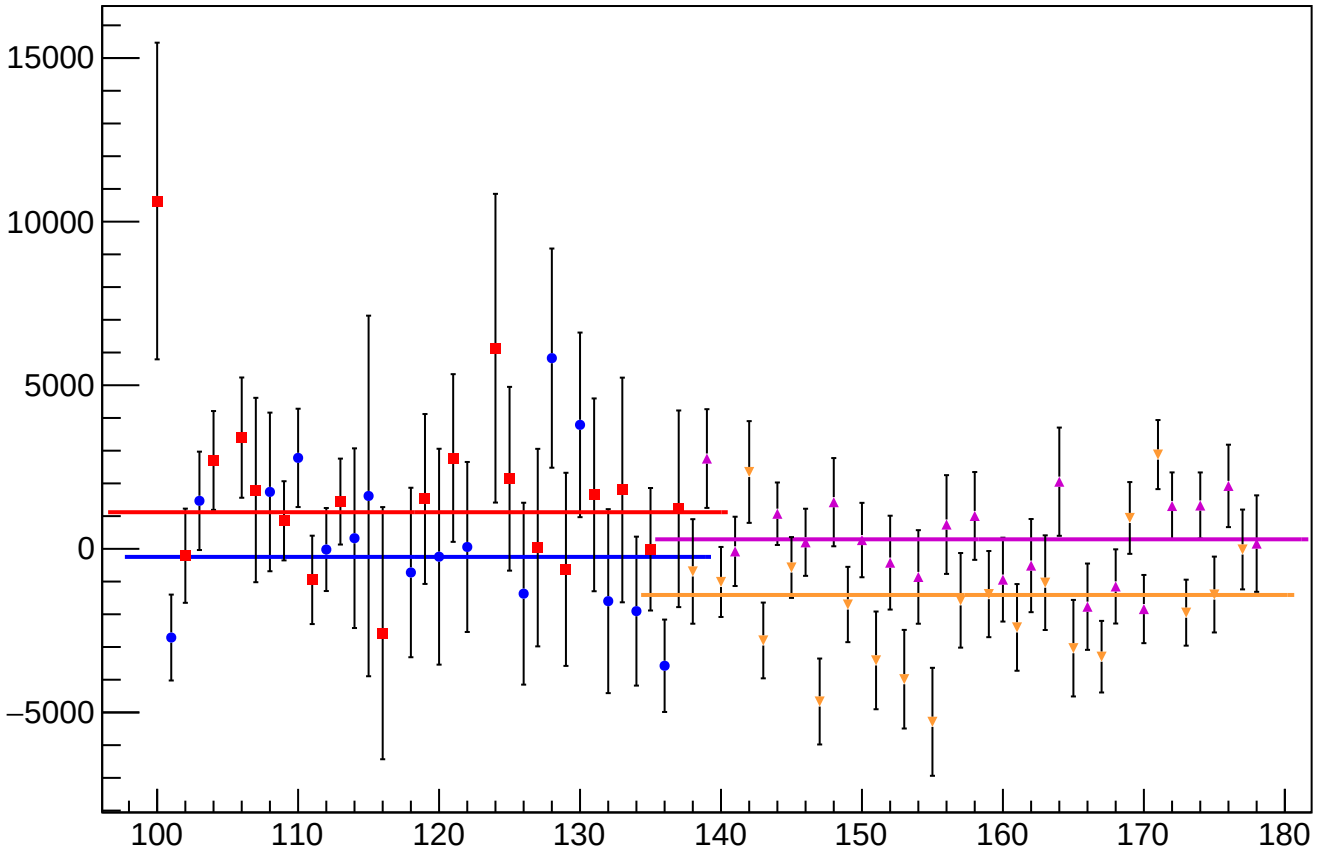
Left: 140.153+/-0.017 χ^2/NDF: 703671.7/40

Right: 133.875+/-0.025 χ^2/NDF: 913698.6/34

In: 138.832+/-0.020 χ^2/NDF:784899.4/35

Out: 137.457+/-0.020 χ^2/NDF:872080.8/39

All: 138.130+/-0.014 χ^2/NDF: 1659281.3/75



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: 291.059+/-272.865 χ^2/NDF:19.8/19

Left: -567.703+/-191.986 χ^2/NDF: 91.8/40

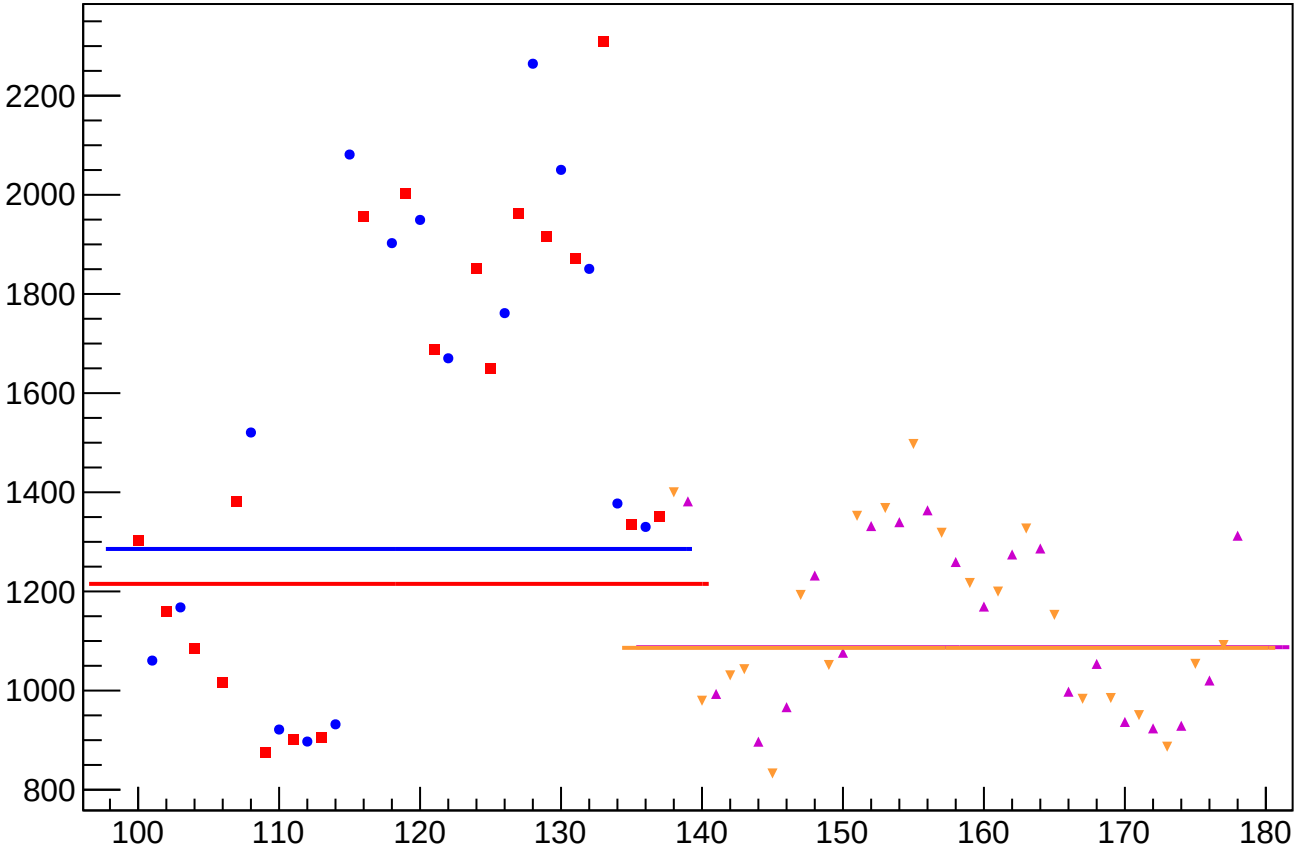
Right: 482.970+/-342.285 χ^2/NDF: 39.0/34

In: 168.270+/-239.674 χ^2/NDF:42.3/35

Out: -778.254+/-234.033 χ^2/NDF:87.7/39

All: -316.262+/-167.445 χ^2/NDF: 138.0/75

asym_sam_48_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 1086.212+/-0.191 χ^2/NDF:816751.3/20

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

Left In: 1087.524+/-0.193 χ^2/NDF:719414.2/19

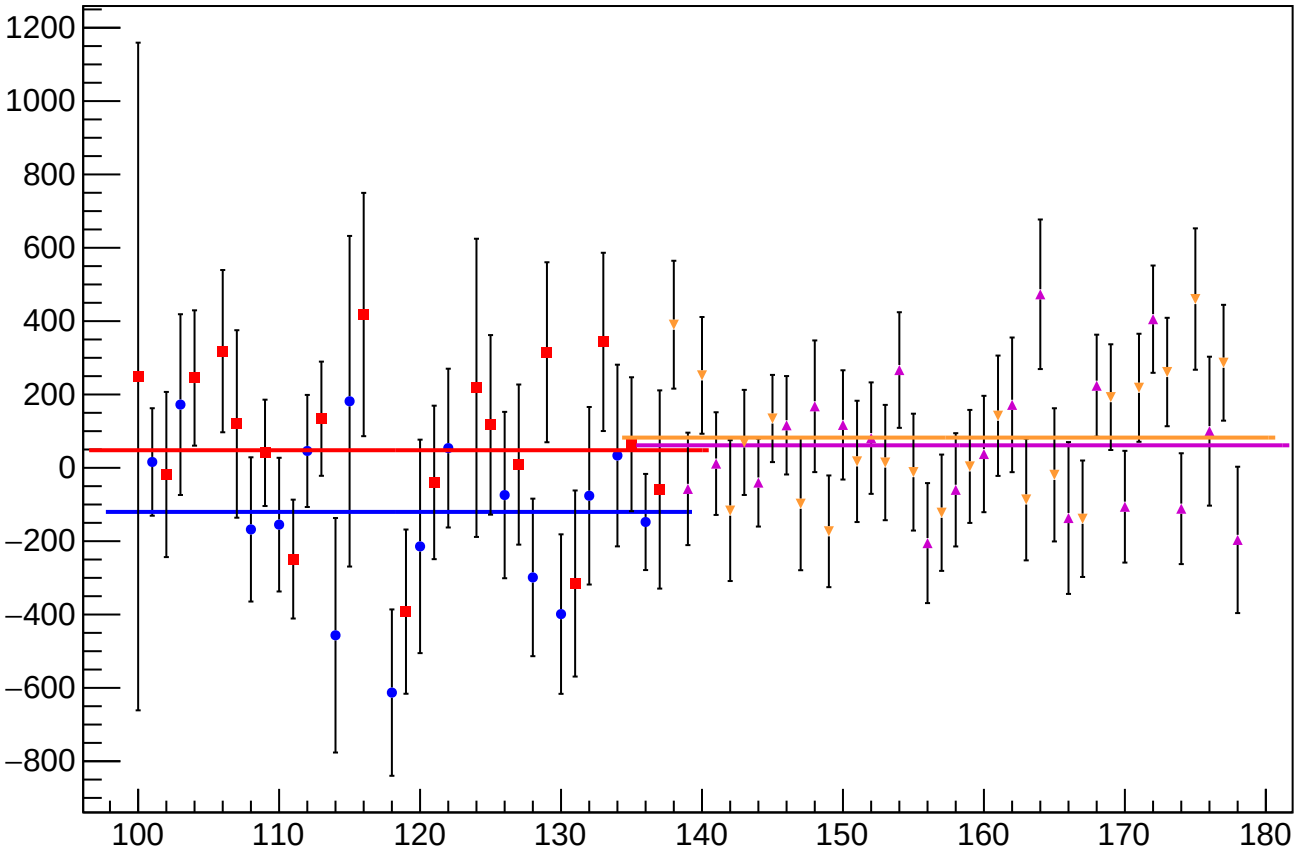
Left: 1086.861+/-0.136 χ^2/NDF: 1536188.9/40

Right: 1248.058+/-0.242 χ^2/NDF: 2577799.9/34

In: 1132.796+/-0.169 χ^2/NDF:2130813.0/35

Out: 1118.422+/-0.165 χ^2/NDF:2316912.3/39

All: 1125.438+/-0.118 χ^2/NDF: 4451407.6/75



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: 61.416+/-35.161 χ^2/NDF:23.6/19

Left: 72.150+/-24.618 χ^2/NDF: 47.5/40

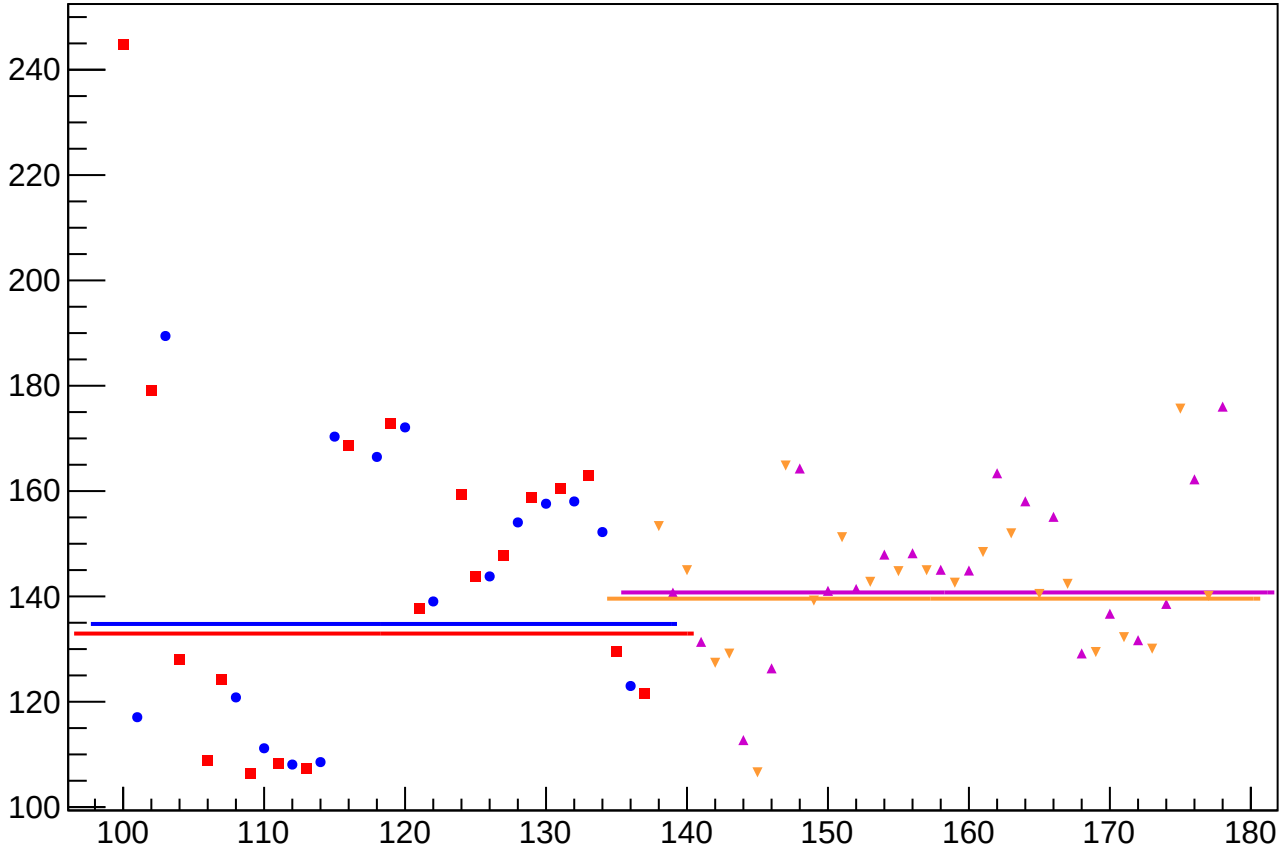
Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: 3.073+/-28.967 χ^2/NDF:45.6/35

Out: 71.342+/-28.369 χ^2/NDF:41.1/39

All: 37.920+/-20.268 χ^2/NDF: 89.5/75

cor_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 139.574+/-0.024 χ^2/NDF:353009.9/20

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 140.754+/-0.025 χ^2/NDF:349513.2/19

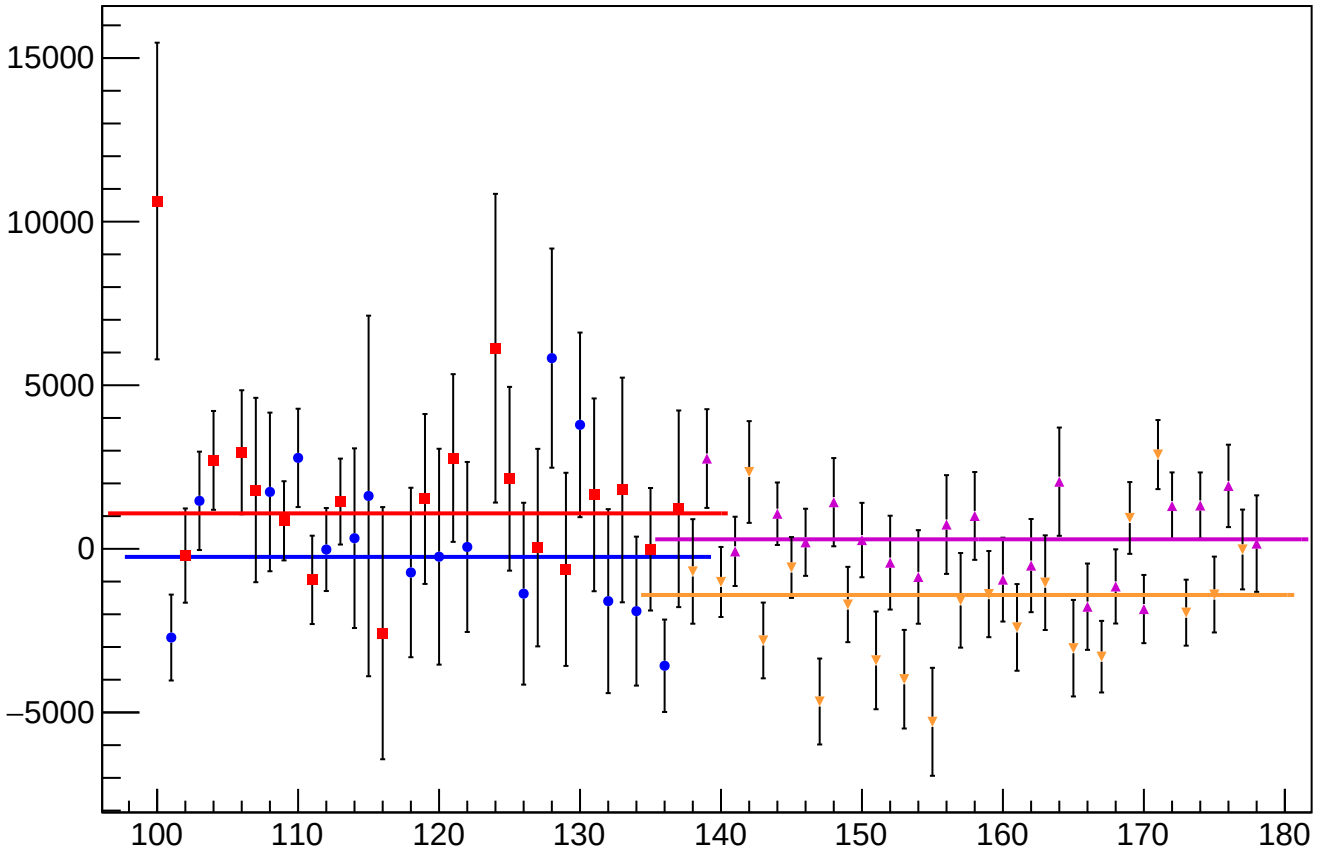
Left: 140.153+/-0.017 χ^2/NDF: 703671.7/40

Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 138.832+/-0.020 χ^2/NDF:784902.3/35

Out: 137.434+/-0.020 χ^2/NDF:875727.1/39

All: 138.118+/-0.014 χ^2/NDF: 1663007.5/75



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: 291.065+/-272.865 χ^2/NDF:19.8/19

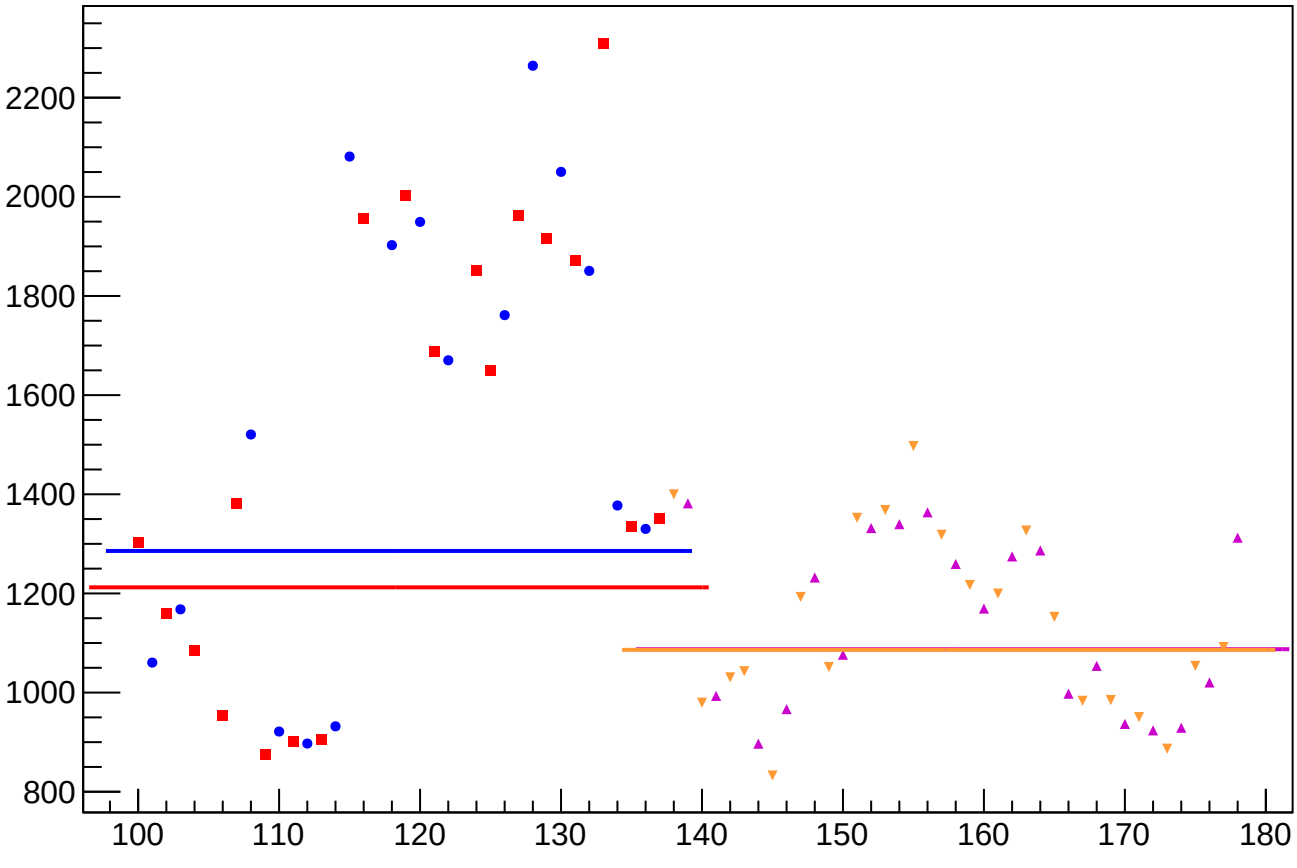
Left: -567.697+/-191.986 χ^2/NDF: 91.8/40

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 168.260+/-239.675 χ^2/NDF:42.3/35

Out: -788.906+/-234.148 χ^2/NDF:86.4/39

All: -321.486+/-167.487 χ^2/NDF: 136.8/75



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: 1087.524+/-0.193 χ^2/NDF:719414.6/19

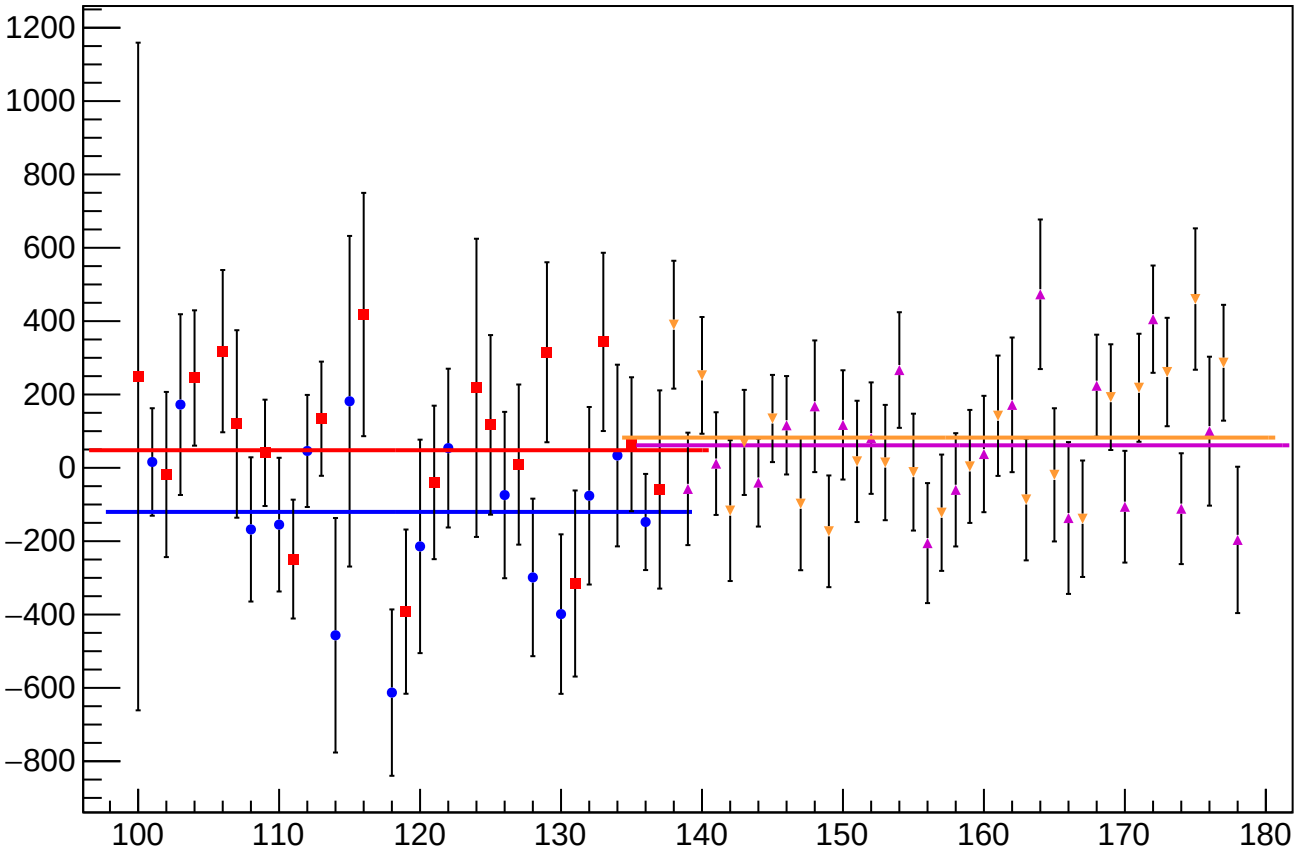
Left: 1086.861+/-0.136 χ^2/NDF: 1536190.1/40

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1132.799+/-0.169 χ^2/NDF:2130817.6/35

Out: 1117.590+/-0.166 χ^2/NDF:2325770.2/39

All: 1125.017+/-0.118 χ^2/NDF: 4460708.3/75



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: 61.416+/-35.161 χ^2/NDF:23.6/19

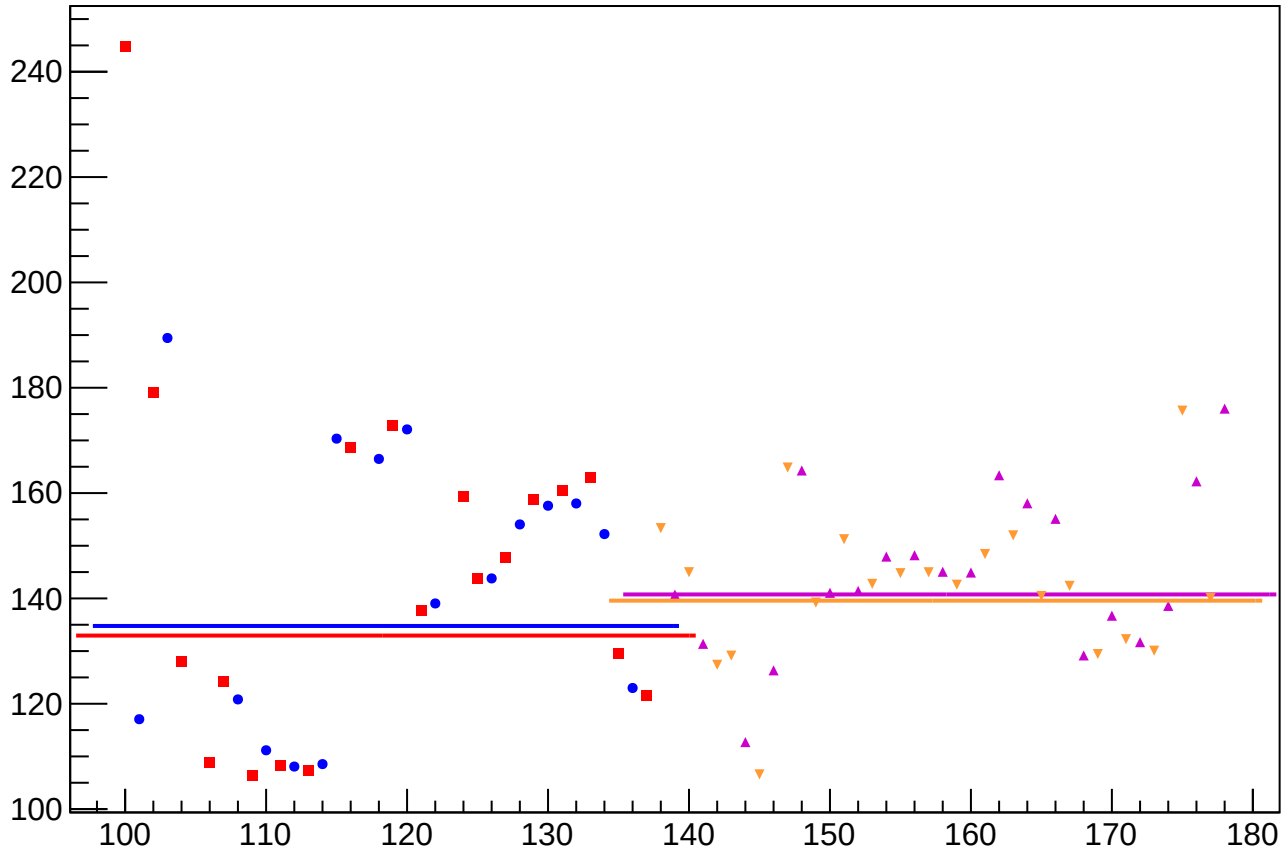
Left: 72.150+/-24.618 χ^2/NDF: 47.5/40

Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: 3.073+/-28.967 χ^2/NDF:45.6/35

Out: 71.342+/-28.369 χ^2/NDF:41.1/39

All: 37.920+/-20.268 χ^2/NDF: 89.5/75



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: 140.754+/-0.025 χ^2/NDF:349513.2/19

Left: 140.153+/-0.017 χ^2/NDF: 703671.7/40

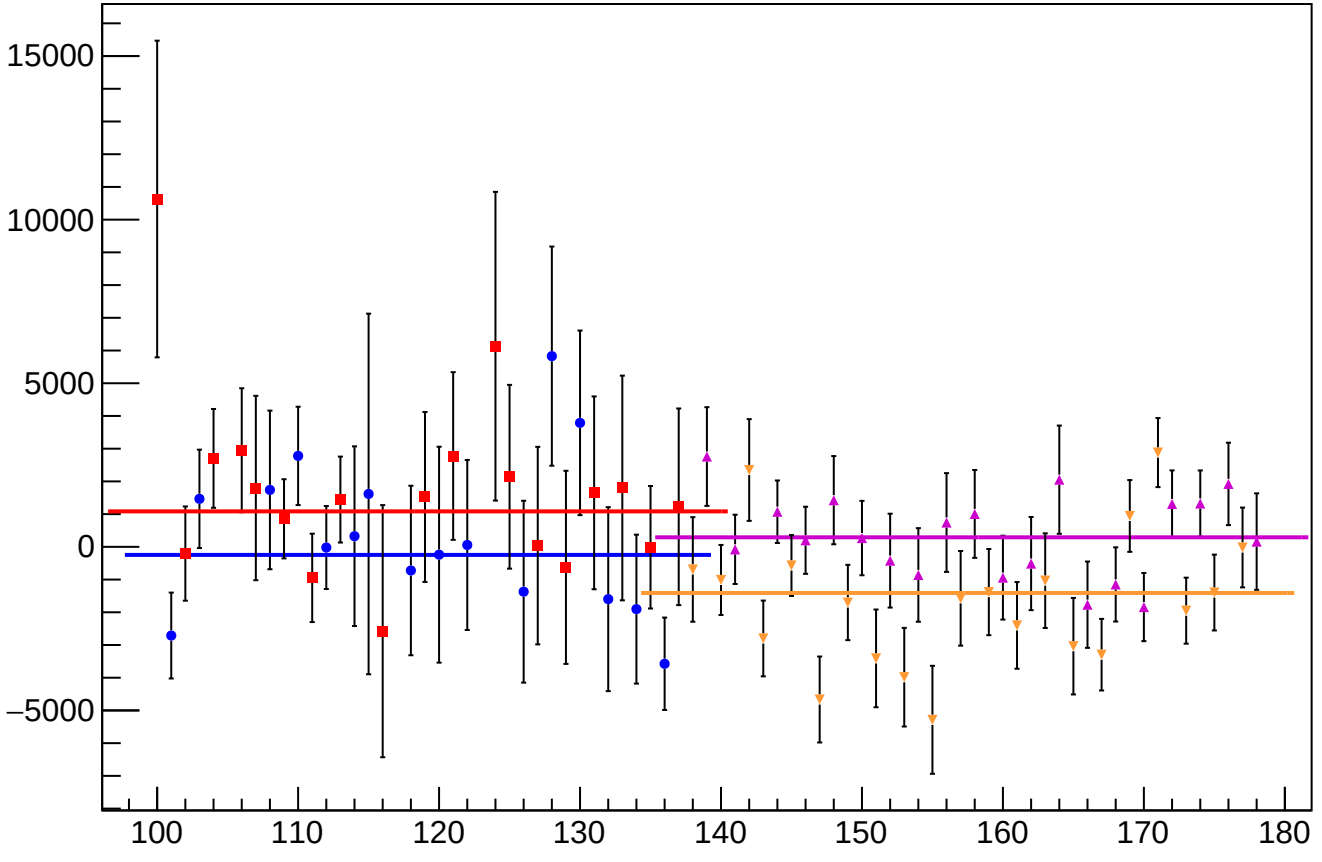
Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 138.832+/-0.020 χ^2/NDF:784902.3/35

Out: 137.434+/-0.020 χ^2/NDF:875727.1/39

All: 138.118+/-0.014 χ^2/NDF: 1663007.5/75

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: 291.065+/-272.865 χ^2/NDF:19.8/19

Left: -567.697+/-191.986 χ^2/NDF: 91.8/40

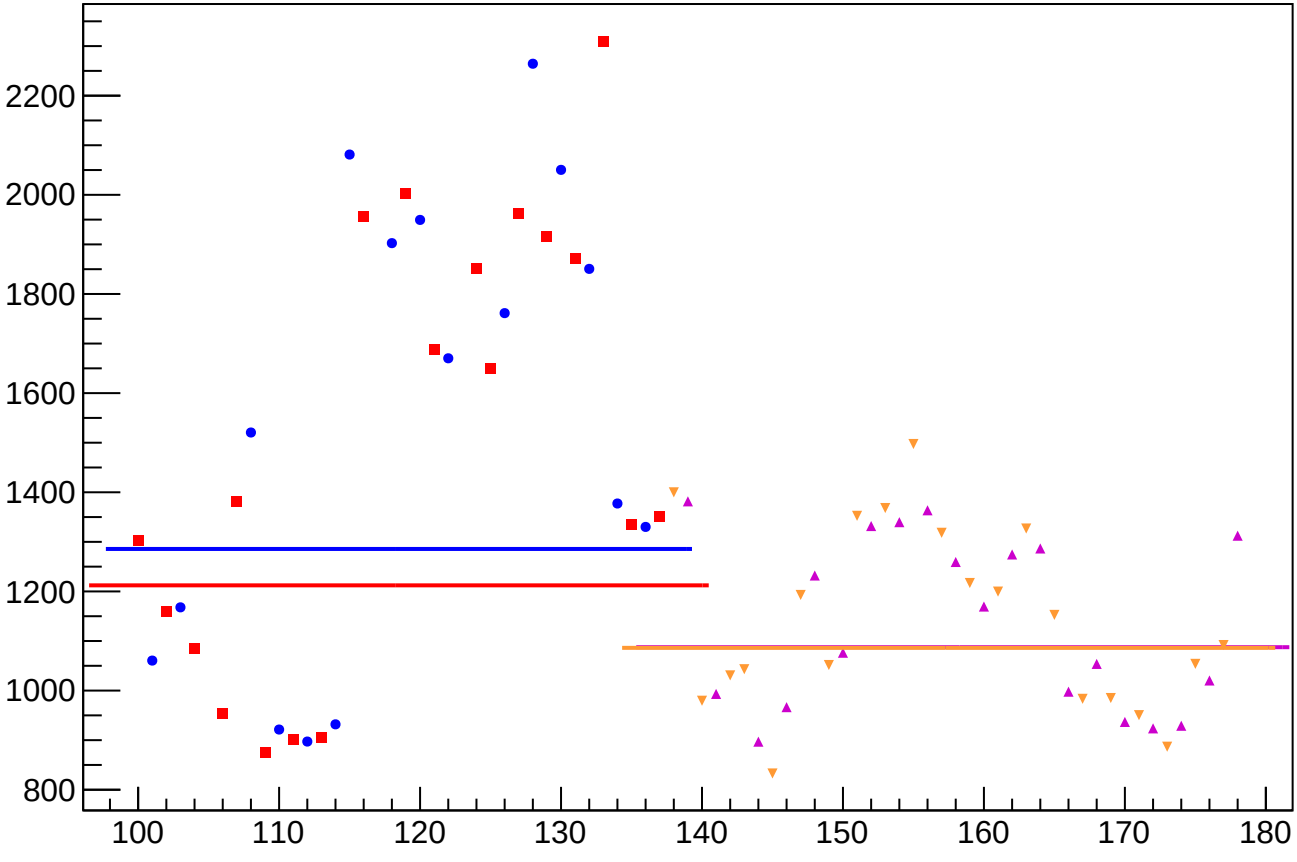
Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 168.260+/-239.675 χ^2/NDF:42.3/35

Out: -788.906+/-234.148 χ^2/NDF:86.4/39

All: -321.486+/-167.487 χ^2/NDF: 136.8/75

asym_sam_48_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1086.212+/-0.191 χ^2/NDF:816752.1/20

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1087.524+/-0.193 χ^2/NDF:719414.6/19

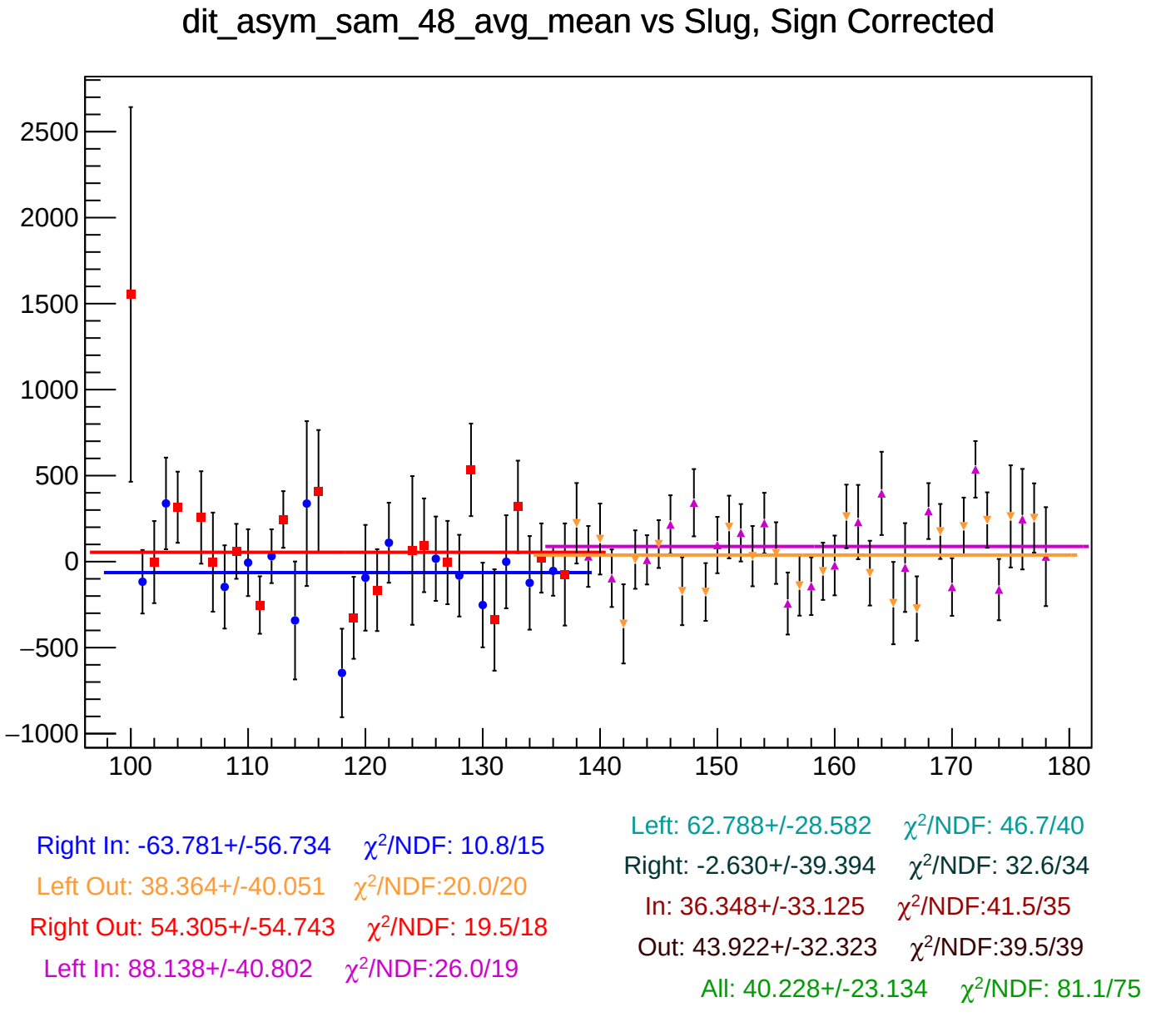
Left: 1086.861+/-0.136 χ^2/NDF: 1536190.1/40

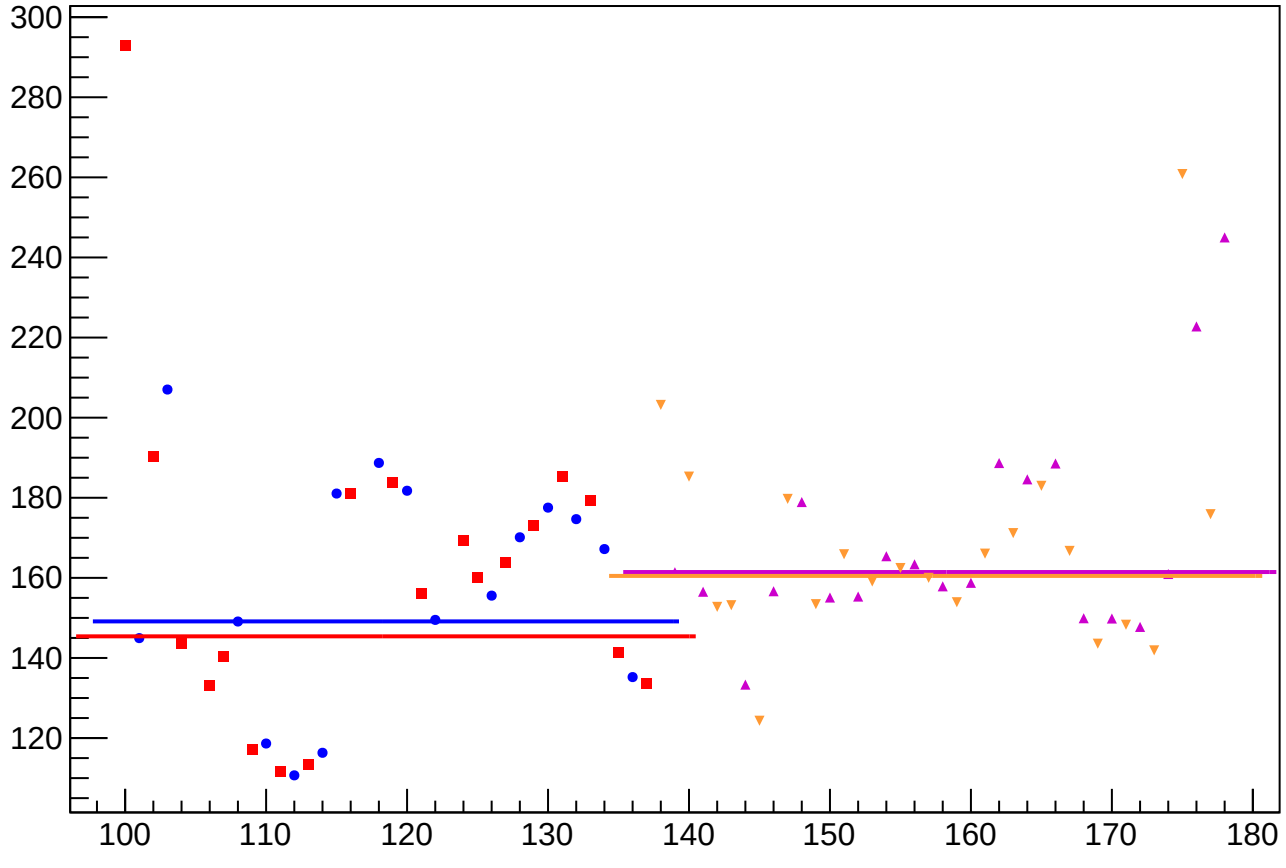
Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1132.799+/-0.169 χ^2/NDF:2130817.6/35

Out: 1117.590+/-0.166 χ^2/NDF:2325770.2/39

All: 1125.017+/-0.118 χ^2/NDF: 4460708.3/75


dit_asym_sam_48_avg_mean vs Slug, Sign Corrected
2500
2000
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
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: 88.138+/-40.802 χ²/NDF:26.0/19
Left: 62.788+/-28.582 χ²/NDF: 46.7/40
Right: -2.630+/-39.394 χ²/NDF: 32.6/34
In: 36.348+/-33.125 χ²/NDF:41.5/35
Out: 43.922+/-32.323 χ²/NDF:39.5/39
All: 40.228+/-23.134 χ²/NDF: 81.1/75



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: 161.456+/-0.029 χ^2/NDF:467130.6/19

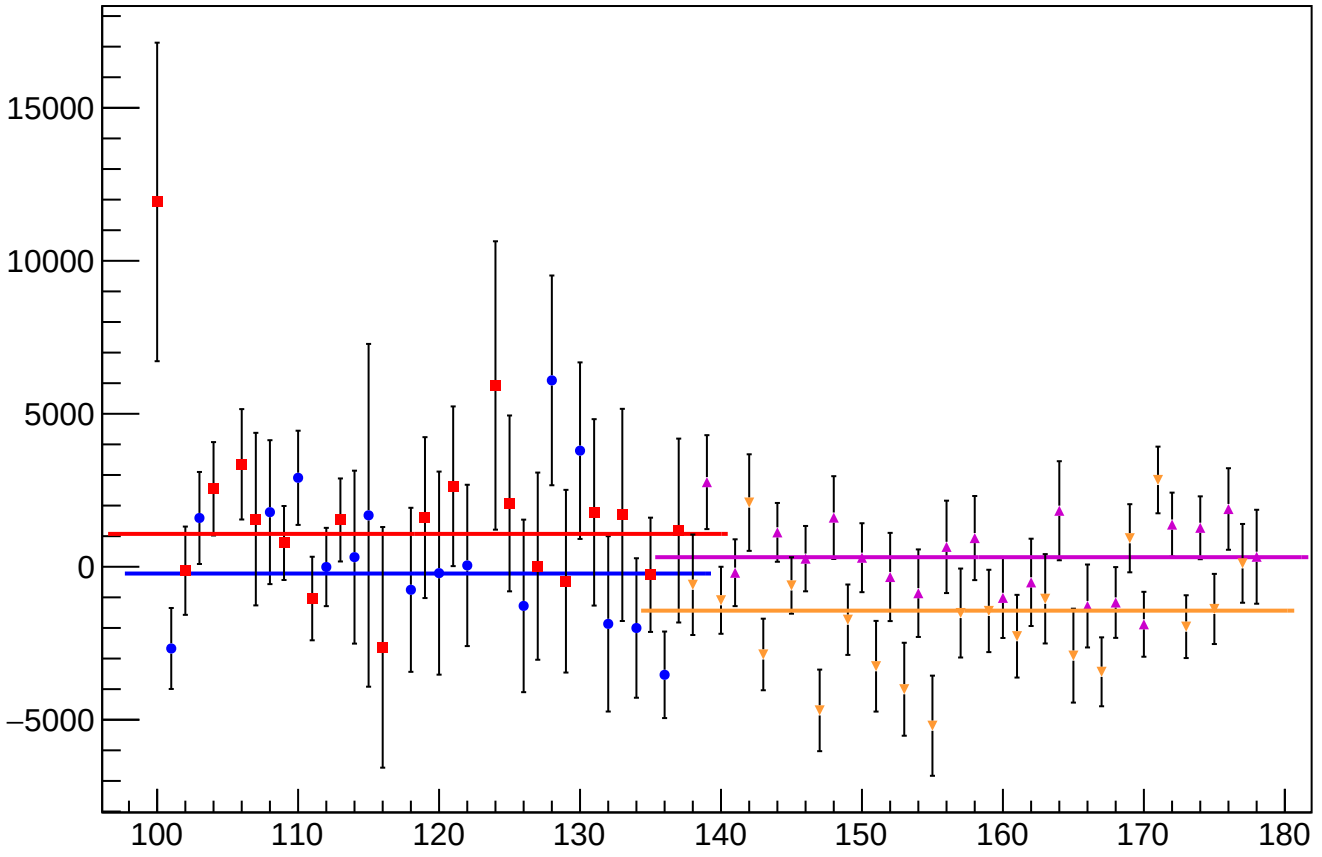
Left: 160.962+/-0.020 χ^2/NDF: 1059882.3/40

Right: 147.198+/-0.028 χ^2/NDF: 981303.1/34

In: 157.254+/-0.023 χ^2/NDF:980348.3/35

Out: 155.226+/-0.023 χ^2/NDF:1216941.1/39

All: 156.215+/-0.016 χ^2/NDF: 2201128.5/75



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: 313.122+/-277.564 χ^2/NDF:18.4/19

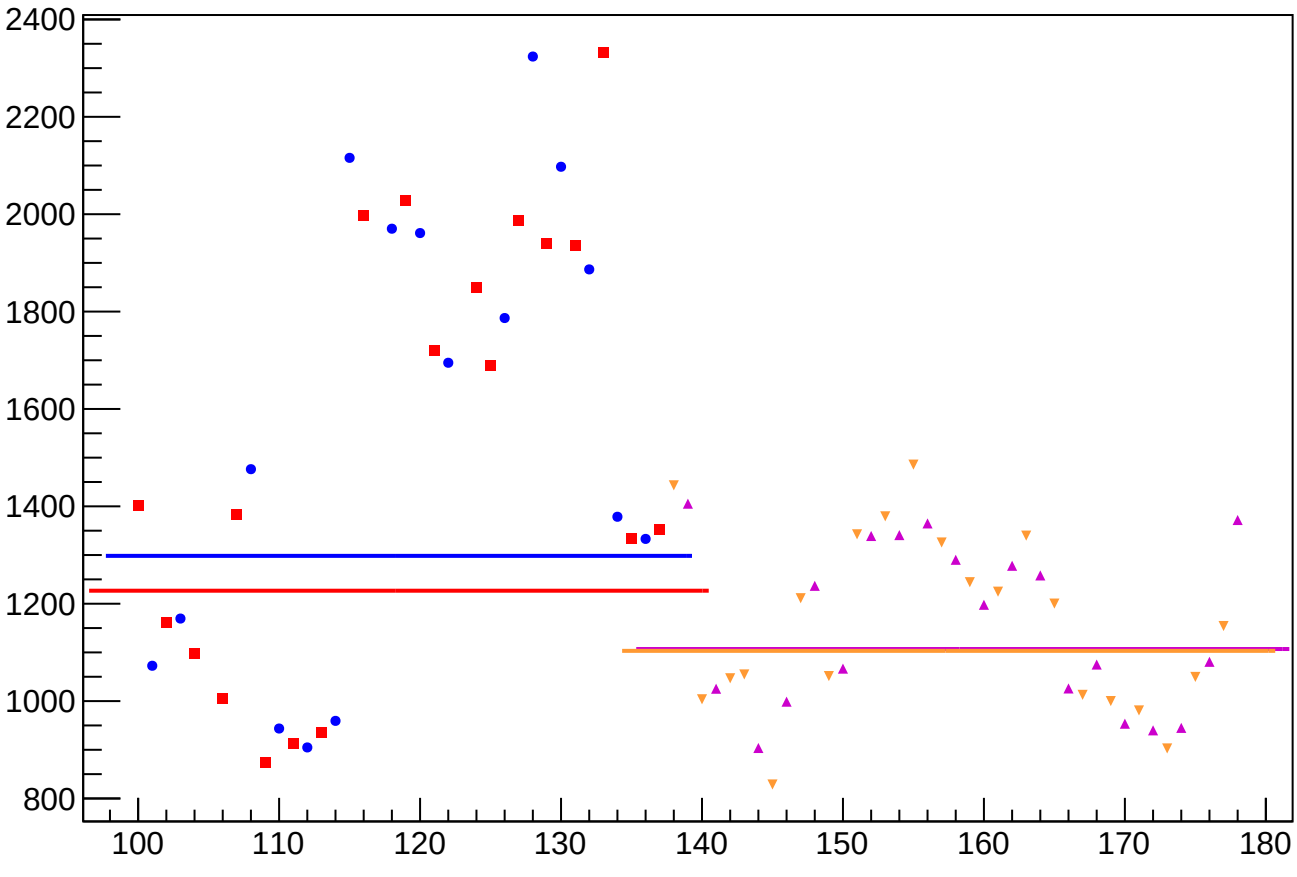
Left: -571.453+/-195.038 χ^2/NDF: 87.9/40

Right: 470.729+/-345.532 χ^2/NDF: 39.0/34

In: 189.598+/-243.378 χ^2/NDF:41.1/35

Out: -803.124+/-237.146 χ^2/NDF:84.2/39

All: -319.634+/-169.848 χ^2/NDF: 133.8/75



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: 1106.972+/-0.196 χ^2/NDF:684421.7/19

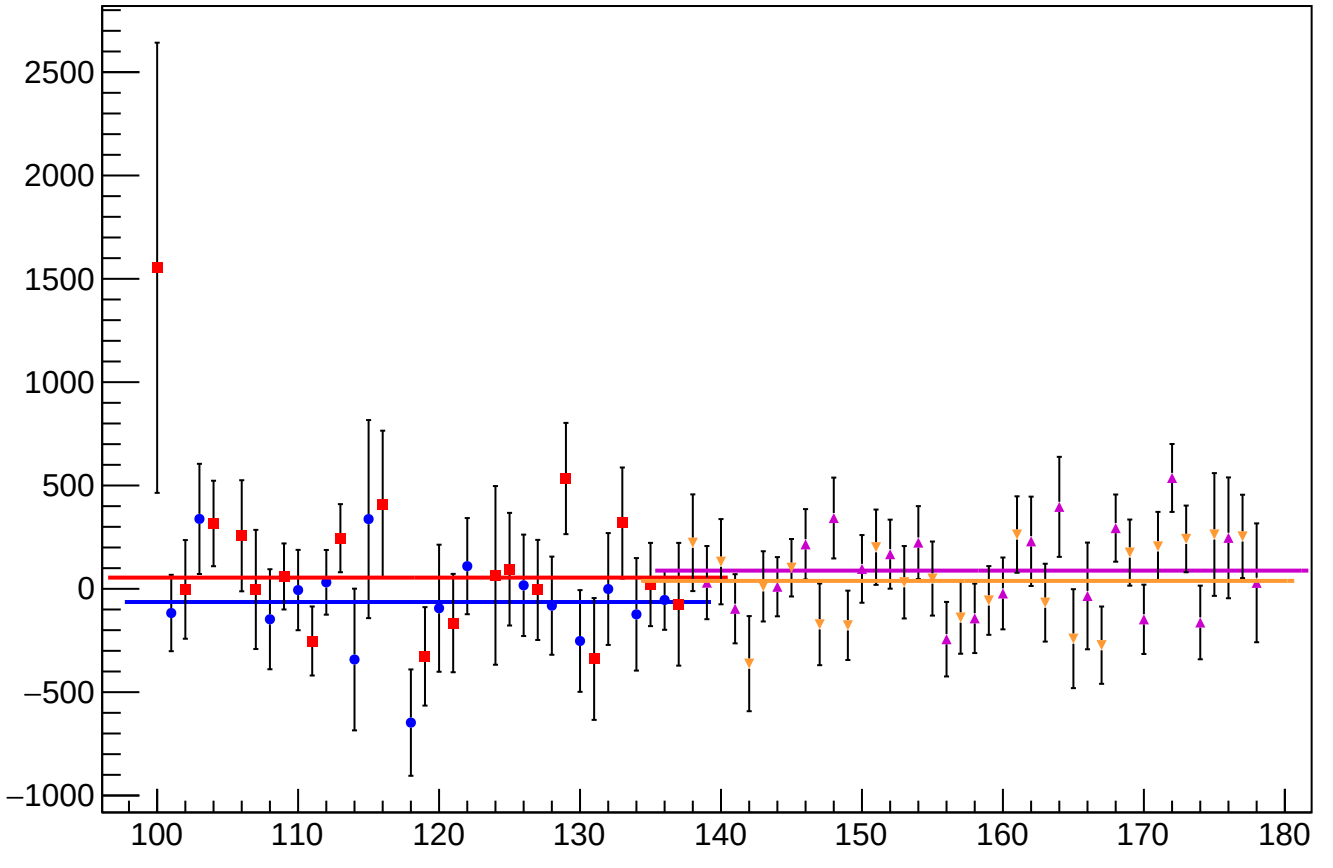
Left: 1105.060+/-0.138 χ^2/NDF: 1499015.6/40

Right: 1260.073+/-0.244 χ^2/NDF: 2607993.3/34

In: 1151.198+/-0.172 χ^2/NDF:2086200.1/35

Out: 1134.271+/-0.168 χ^2/NDF:2321109.6/39

All: 1142.515+/-0.120 χ^2/NDF: 4412272.5/75



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: 88.137+/-40.802 χ^2/NDF:26.0/19

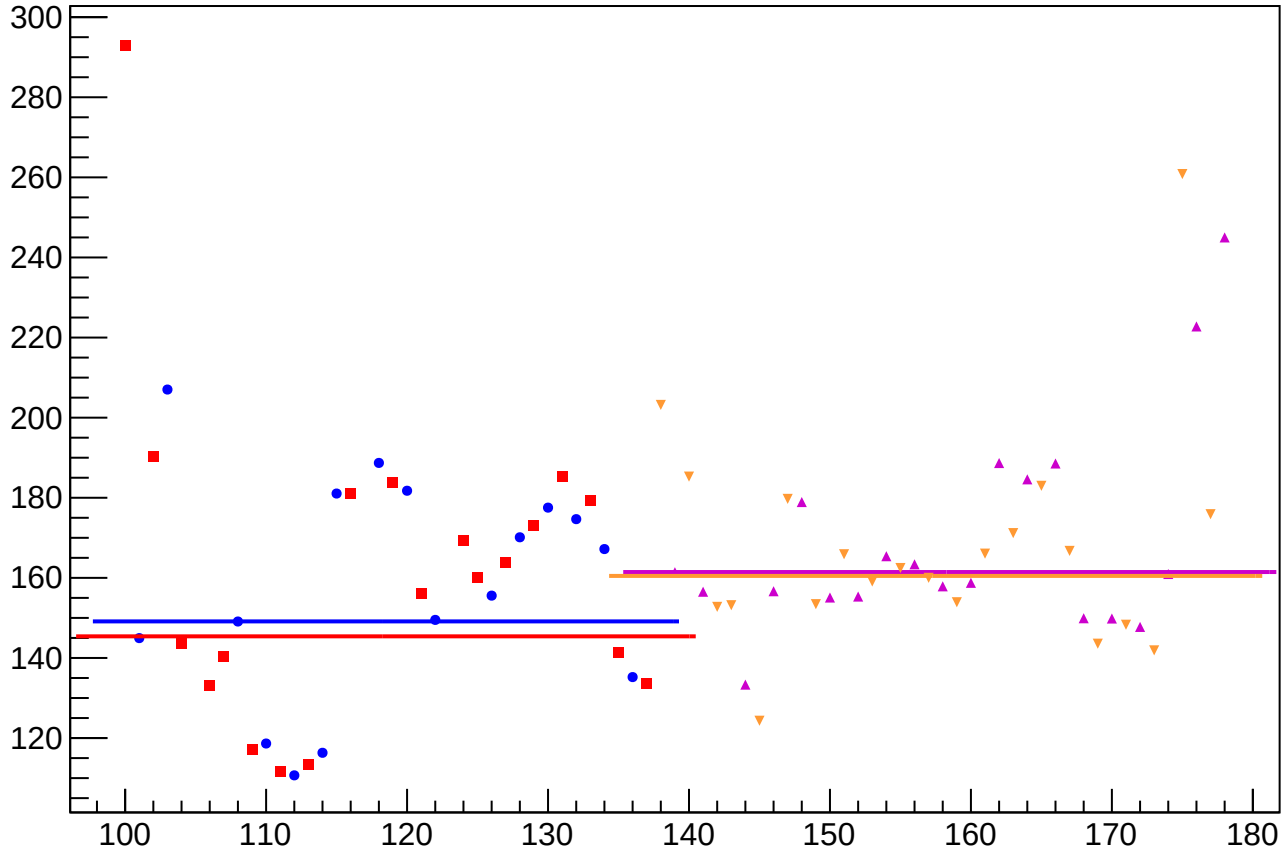
Left: 62.789+/-28.582 χ^2/NDF: 46.7/40

Right: -2.629+/-39.394 χ^2/NDF: 32.6/34

In: 36.349+/-33.125 χ^2/NDF:41.5/35

Out: 43.923+/-32.323 χ^2/NDF:39.5/39

All: 40.228+/-23.134 χ^2/NDF: 81.1/75



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 160.486+/-0.028 χ^2/NDF:592168.3/20

Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 161.456+/-0.029 χ^2/NDF:467119.3/19

Left: 160.962+/-0.020 χ^2/NDF: 1059862.7/40

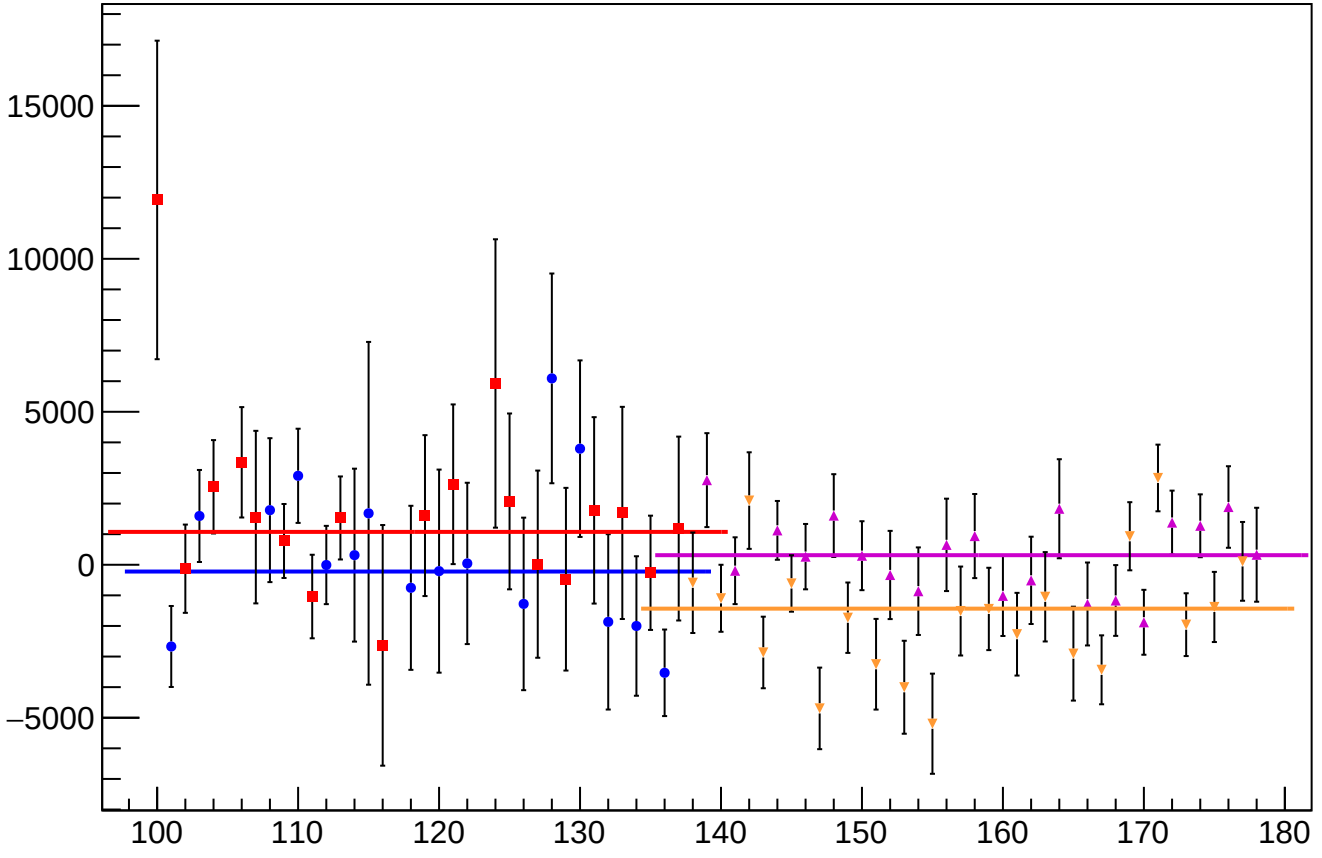
Right: 147.198+/-0.028 χ^2/NDF: 981307.0/34

In: 157.254+/-0.023 χ^2/NDF:980340.9/35

Out: 155.226+/-0.023 χ^2/NDF:1216939.0/39

All: 156.215+/-0.016 χ^2/NDF: 2201119.1/75

asym_sam_48_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -1434.204+/-274.118 χ^2/NDF:49.5/20

Right Out: 1074.432+/-472.816 χ^2/NDF: 13.6/18

Left In: 313.120+/-277.563 χ^2/NDF:18.4/19

Left: -571.453+/-195.038 χ^2/NDF: 87.9/40

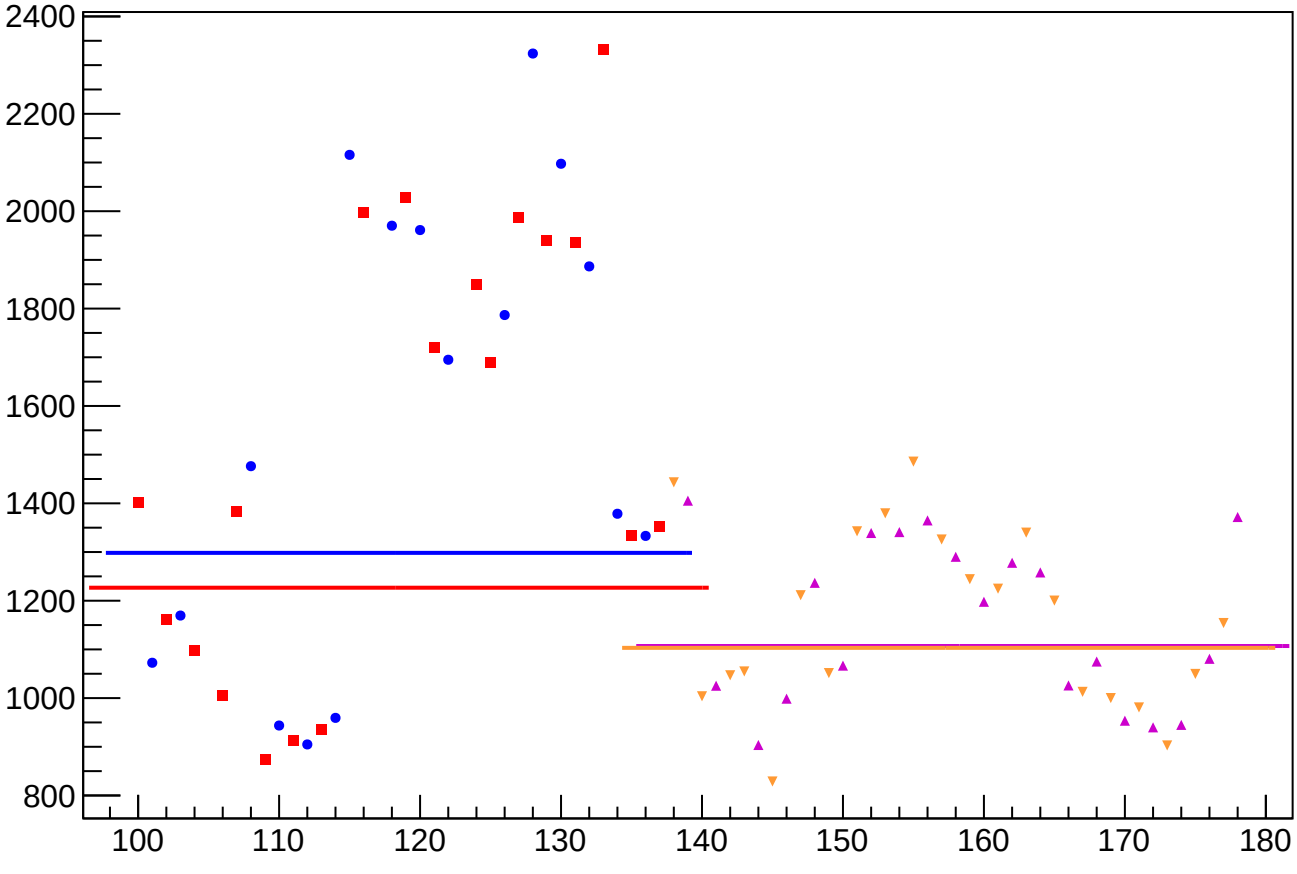
Right: 470.728+/-345.531 χ^2/NDF: 39.0/34

In: 189.597+/-243.377 χ^2/NDF:41.1/35

Out: -803.123+/-237.146 χ^2/NDF:84.2/39

All: -319.634+/-169.848 χ^2/NDF: 133.8/75

asym_sam_48_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1298.292+/-0.358 χ^2/NDF: 1182127.2/15

Left Out: 1103.193+/-0.194 χ^2/NDF:814410.0/20

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

Left In: 1106.971+/-0.196 χ^2/NDF:684421.5/19

Left: 1105.058+/-0.138 χ^2/NDF: 1499019.1/40

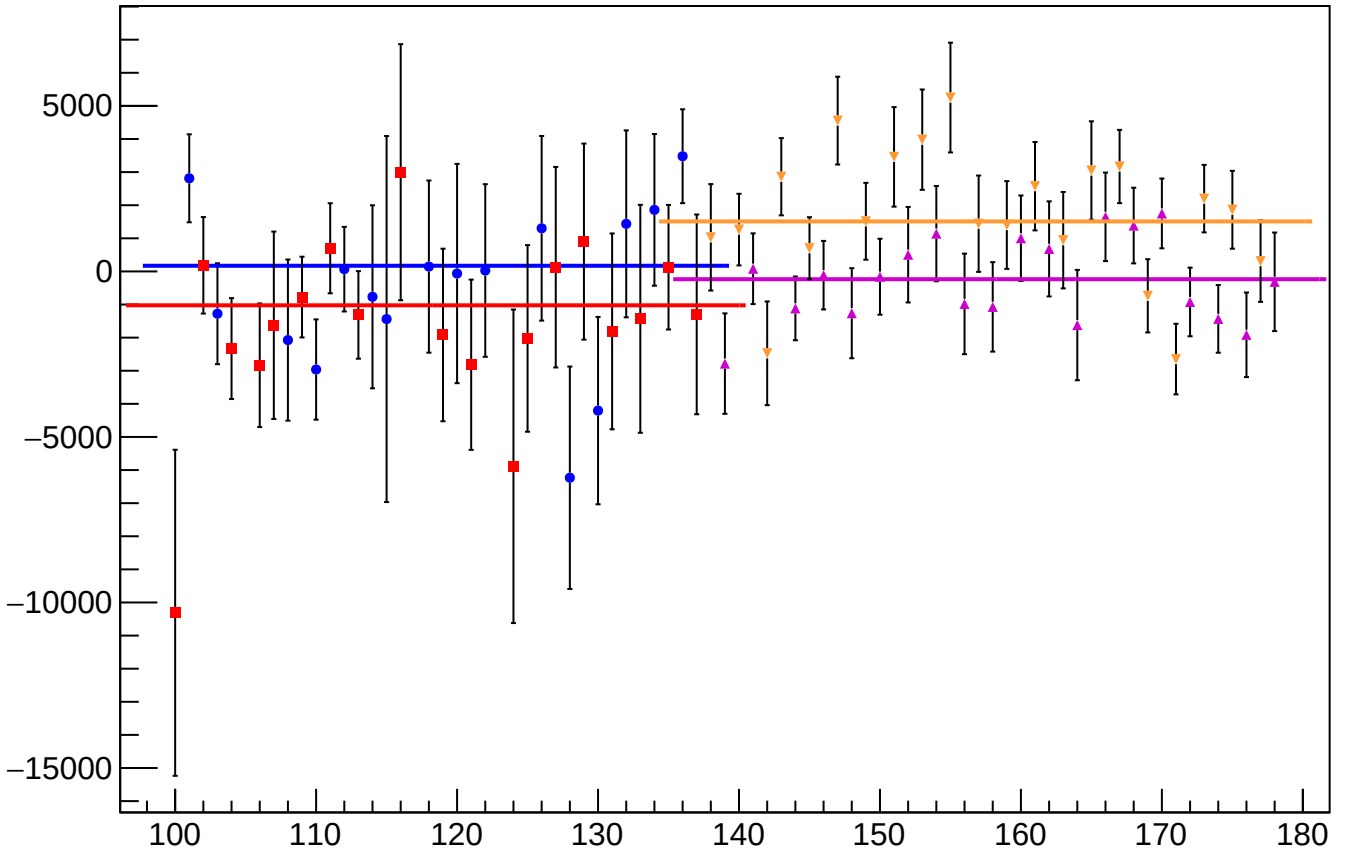
Right: 1260.072+/-0.244 χ^2/NDF: 2608000.5/34

In: 1151.196+/-0.172 χ^2/NDF:2086205.8/35

Out: 1134.269+/-0.168 χ^2/NDF:2321117.3/39

All: 1142.514+/-0.120 χ^2/NDF: 4412285.8/75

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: -235.309+/-275.314 χ^2/NDF:19.3/19

Left: 646.398+/-193.697 χ^2/NDF: 87.9/40

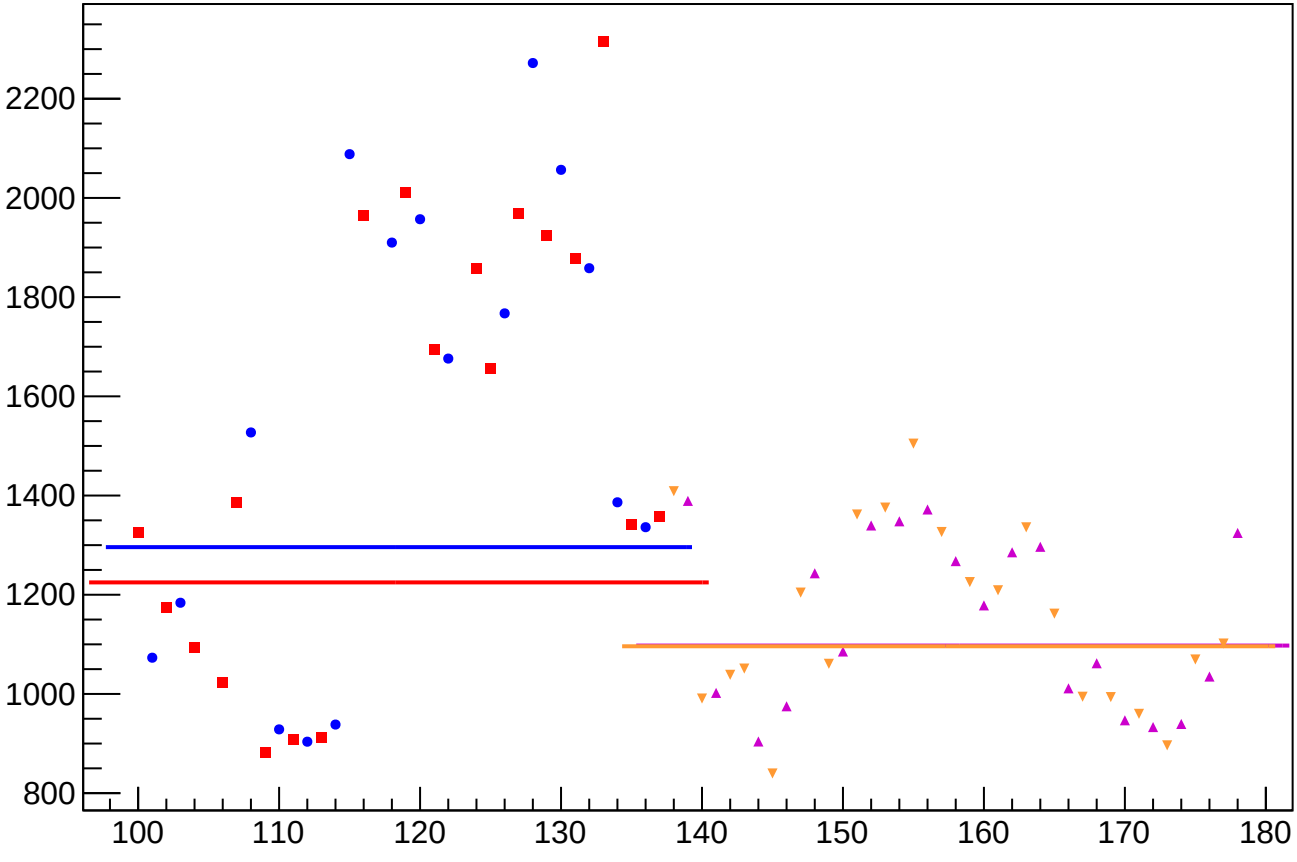
Right: -466.780+/-344.877 χ^2/NDF: 37.1/34

In: -142.242+/-241.740 χ^2/NDF:42.3/35

Out: 876.837+/-236.036 χ^2/NDF:81.5/39

All: 379.462+/-168.883 χ^2/NDF: 133.0/75

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: 1097.524+/-0.195 χ^2/NDF:707098.4/19

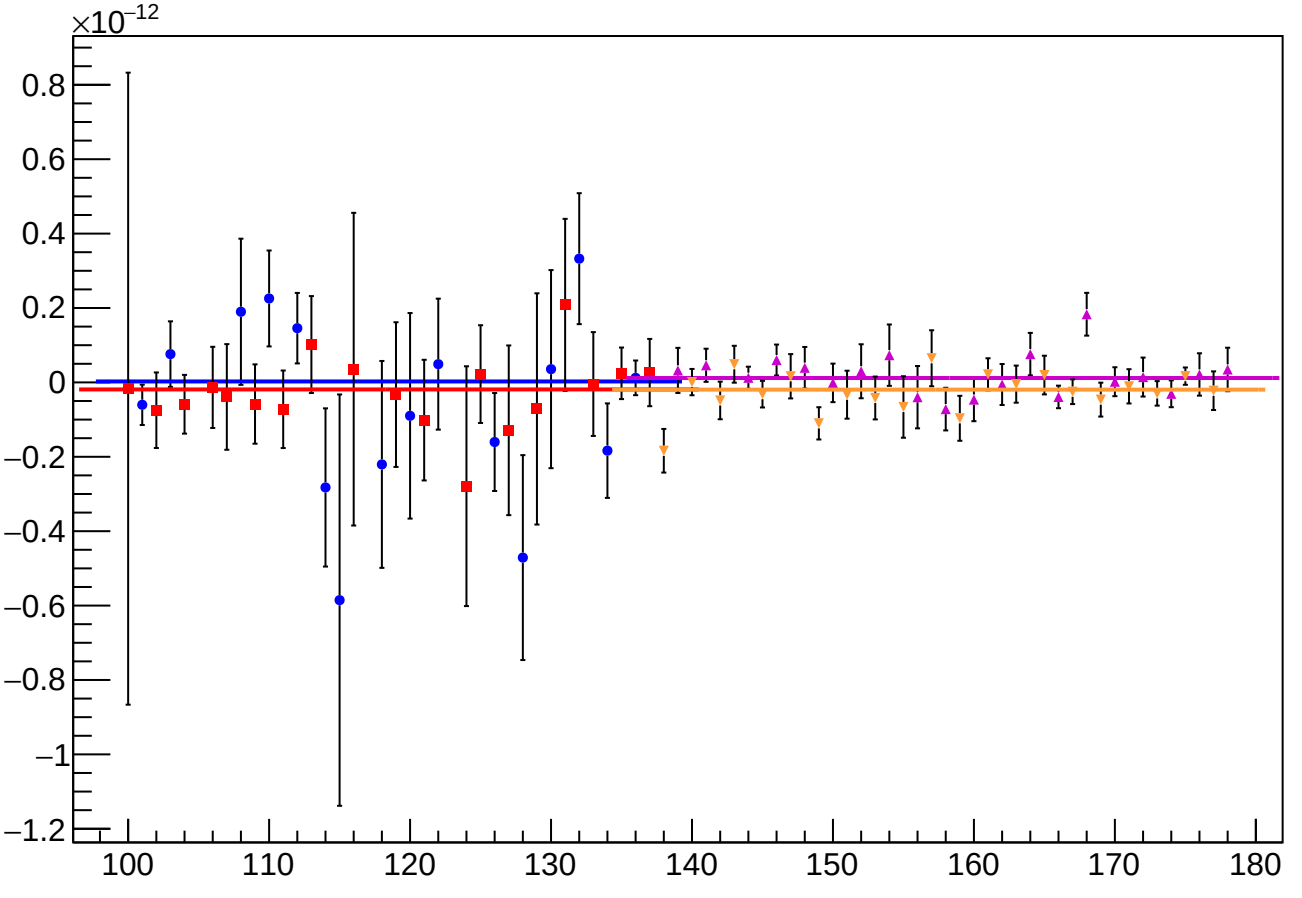
Left: 1096.807+/-0.137 χ^2/NDF: 1510537.1/40

Right: 1258.021+/-0.244 χ^2/NDF: 2546633.6/34

In: 1142.977+/-0.171 χ^2/NDF:2099303.2/35

Out: 1128.304+/-0.167 χ^2/NDF:2286325.0/39

All: 1135.465+/-0.119 χ^2/NDF: 4389400.4/75



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:21.2/19

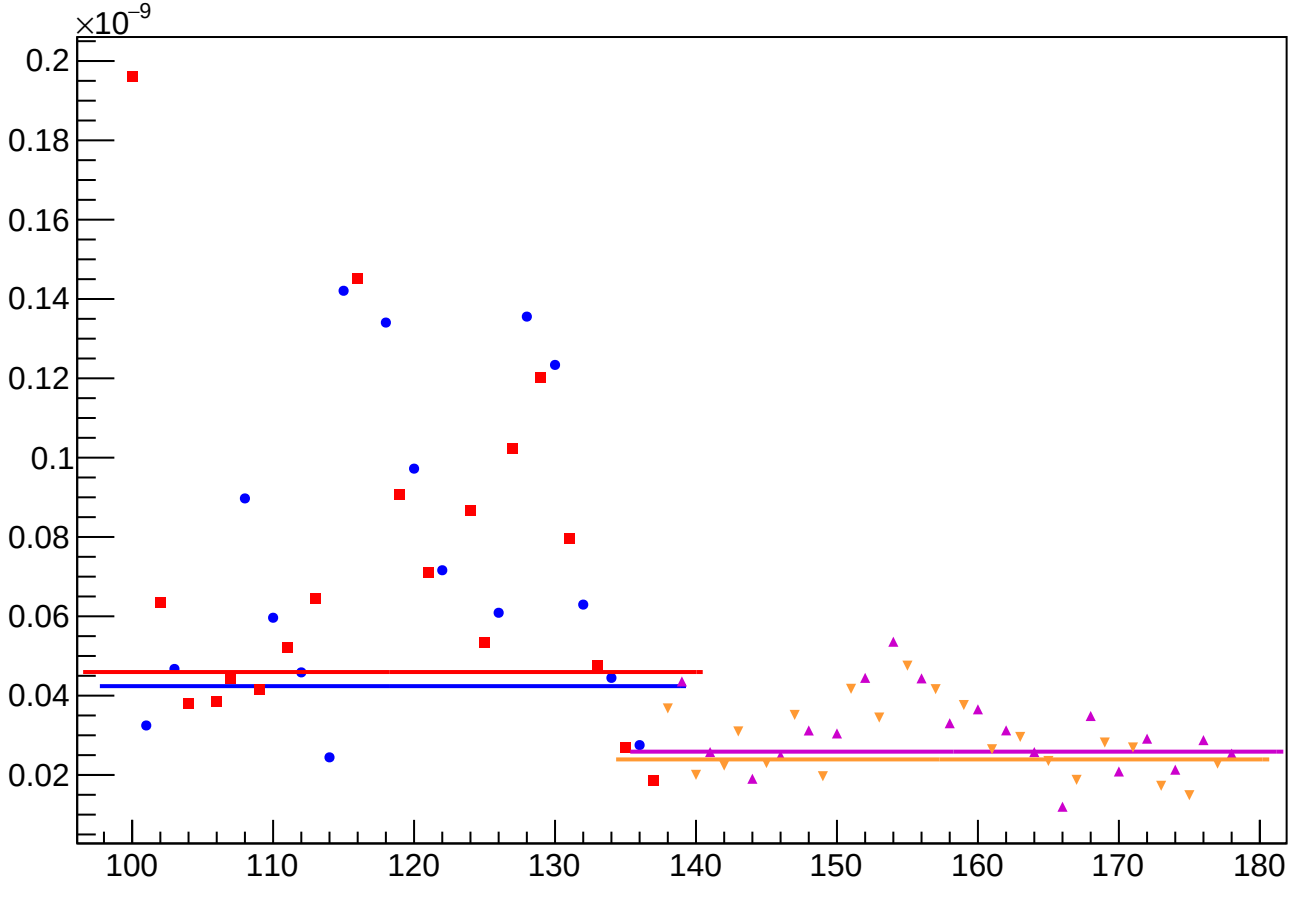
Left: -0.000+/-0.000 χ^2/NDF: 49.1/40

Right: -0.000+/-0.000 χ^2/NDF: 27.2/34

In: 0.000+/-0.000 χ^2/NDF:43.5/35

Out: -0.000+/-0.000 χ^2/NDF:27.9/39

All: -0.000+/-0.000 χ^2/NDF: 76.3/75



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:1430092.3/19

Left: 0.000+/-0.000 χ^2/NDF: 2808139.4/40

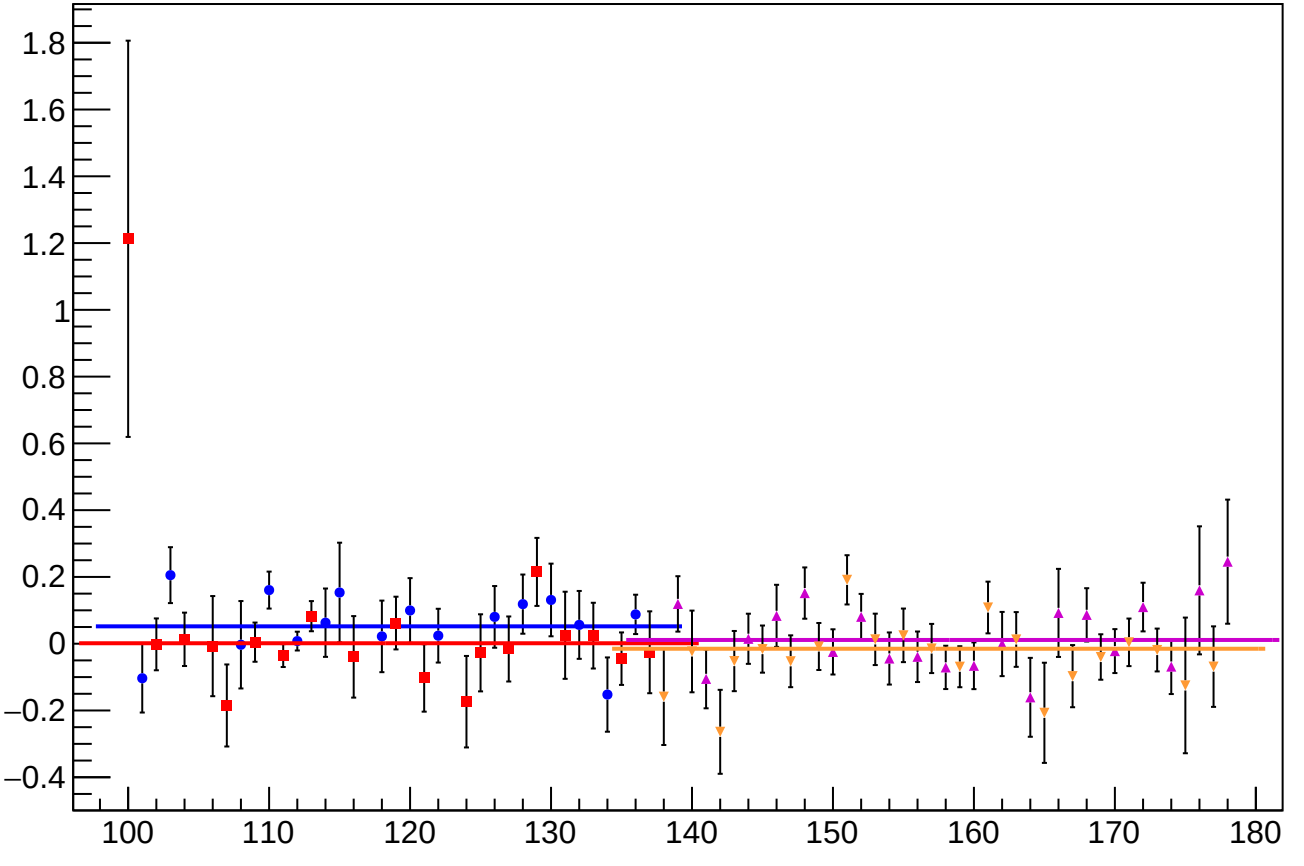
Right: 0.000+/-0.000 χ^2/NDF: 2476096.3/34

In: 0.000+/-0.000 χ^2/NDF:3424862.0/35

Out: 0.000+/-0.000 χ^2/NDF:3508327.3/39

All: 0.000+/-0.000 χ^2/NDF: 6979742.2/75

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: 0.011+/-0.018 χ^2/NDF:21.1/19

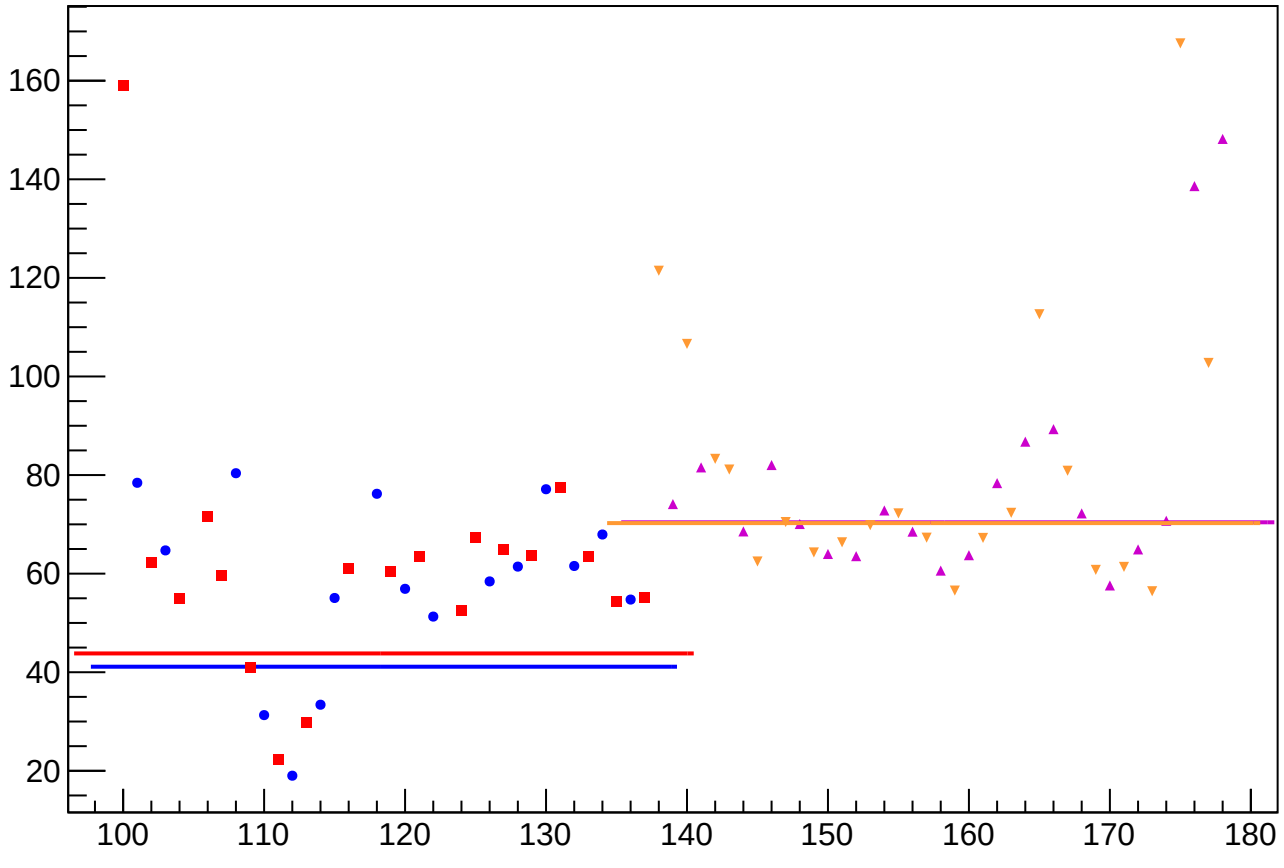
Left: -0.002+/-0.013 χ^2/NDF: 42.2/40

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.032+/-0.013 χ^2/NDF:41.6/35

Out: -0.007+/-0.013 χ^2/NDF:39.7/39

All: 0.013+/-0.009 χ^2/NDF: 86.0/75



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: 70.416+/-0.013 χ^2/NDF:957989.8/19

Left: 70.334+/-0.009 χ^2/NDF: 2540504.5/40

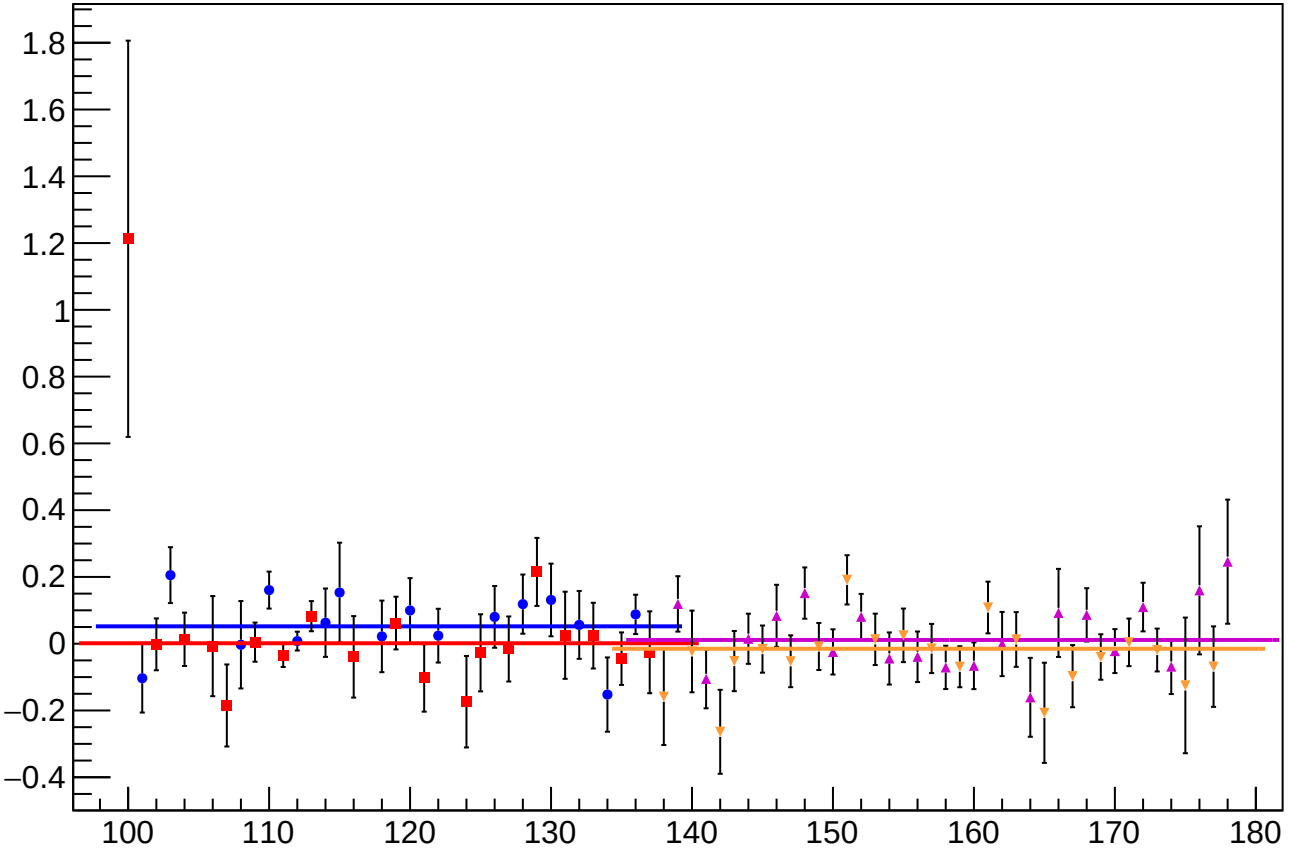
Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 55.287+/-0.009 χ^2/NDF:6511372.6/35

Out: 56.903+/-0.009 χ^2/NDF:5784496.1/39

All: 56.097+/-0.006 χ^2/NDF: 12311919.1/75

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: 0.011+/-0.018 χ^2/NDF:21.1/19

Left: -0.002+/-0.013 χ^2/NDF: 42.2/40

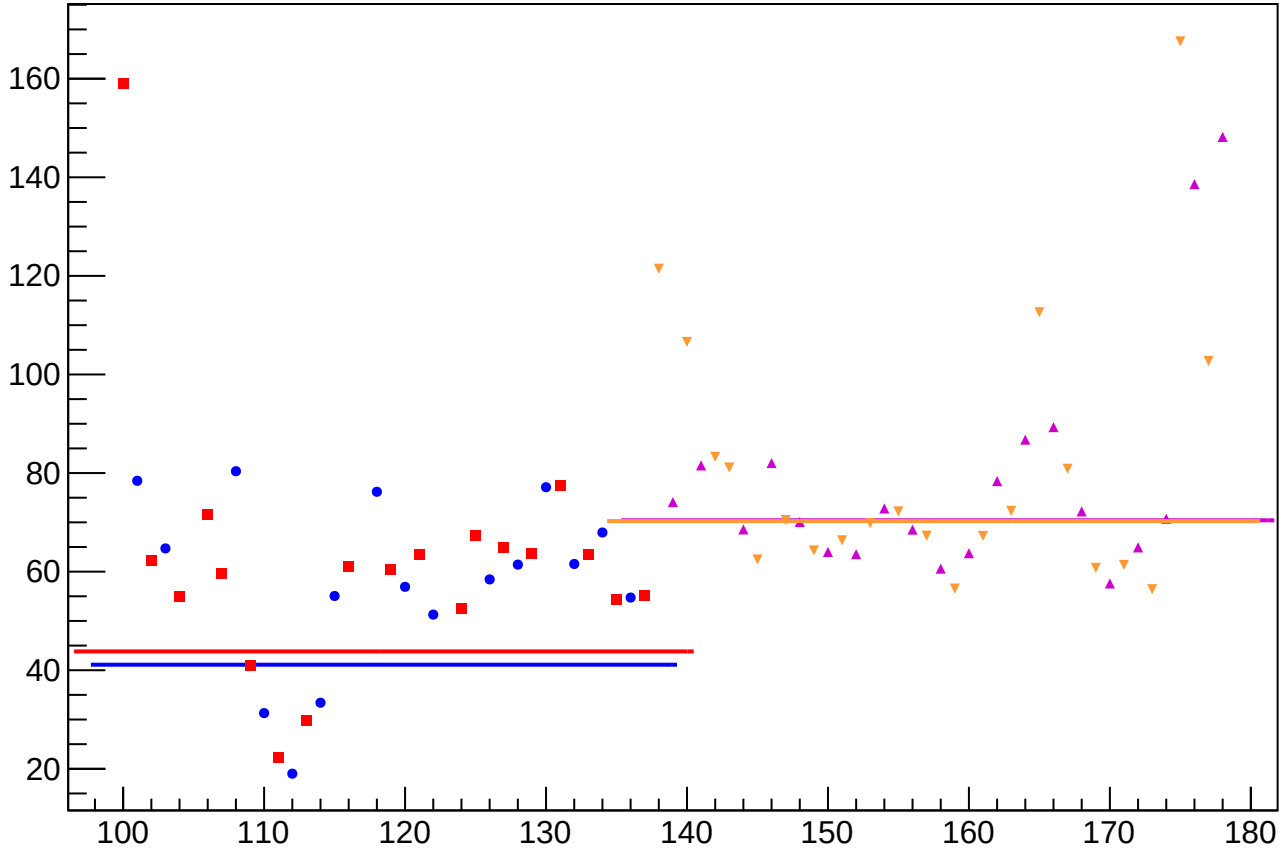
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.032+/-0.013 χ^2/NDF:41.6/35

Out: -0.007+/-0.013 χ^2/NDF:39.7/39

All: 0.013+/-0.009 χ^2/NDF: 86.0/75

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: 70.416+/-0.013 χ^2/NDF:957989.8/19

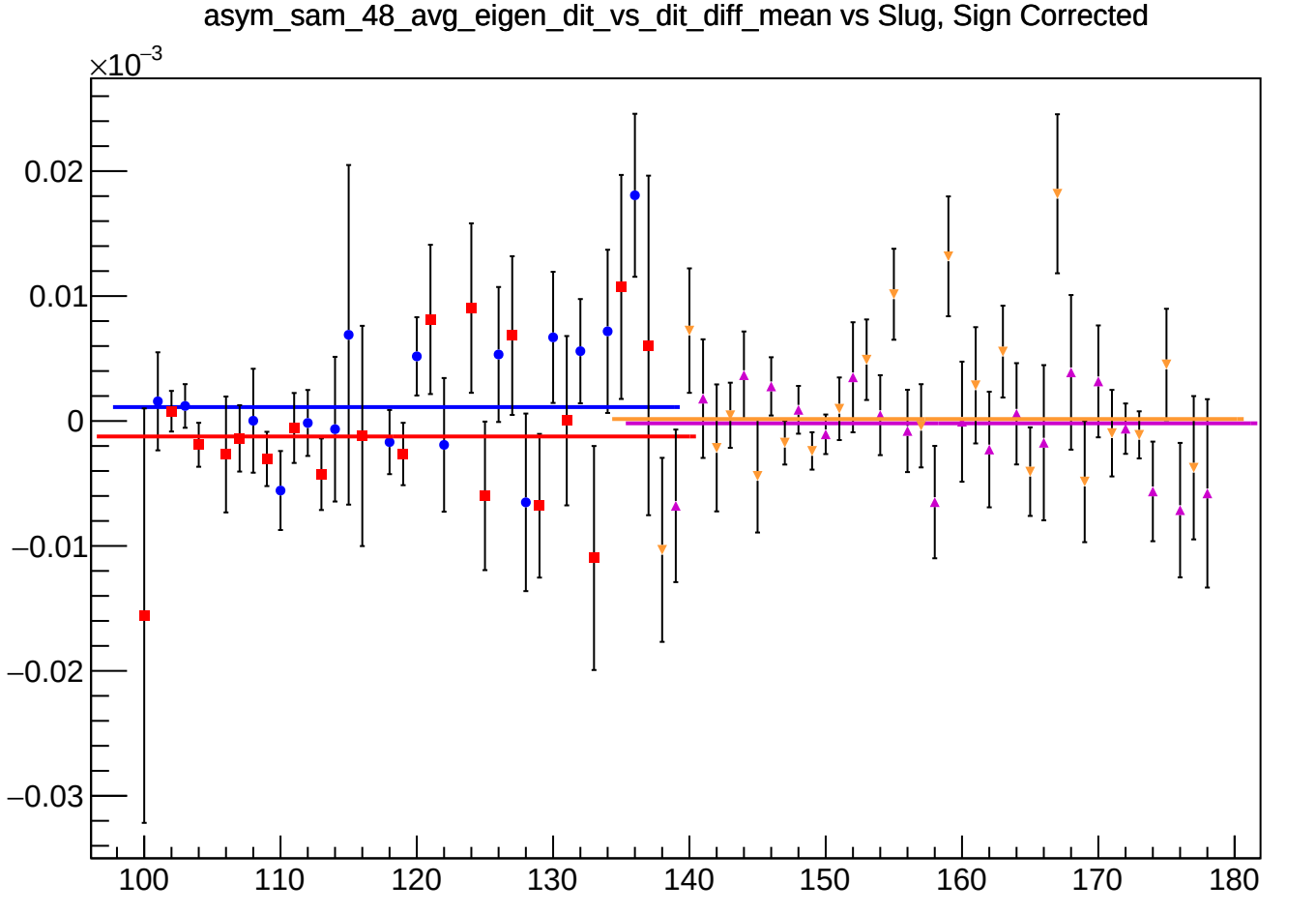
Left: 70.334+/-0.009 χ^2/NDF: 2540504.5/40

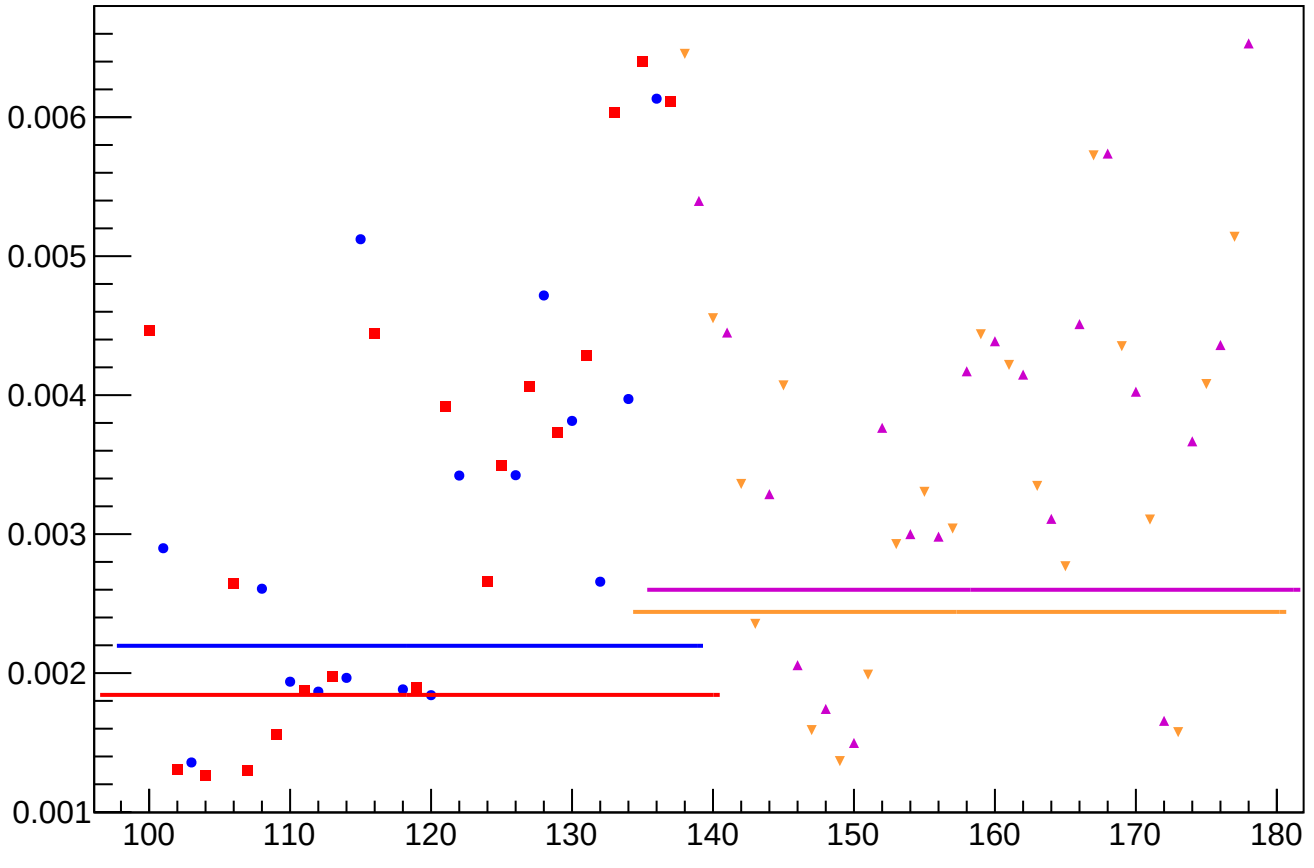
Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 55.287+/-0.009 χ^2/NDF:6511372.6/35

Out: 56.903+/-0.009 χ^2/NDF:5784496.1/39

All: 56.097+/-0.006 χ^2/NDF: 12311919.1/75


asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.02
0.01
0
−0.01
−0.02
−0.03
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 19.9/15
Left Out: 0.000+/-0.000 χ²/NDF:41.5/20
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: -0.000+/-0.000 χ²/NDF:13.0/19
Left: 0.000+/-0.000 χ²/NDF: 54.6/40
Right: -0.000+/-0.000 χ²/NDF: 39.8/34
In: 0.000+/-0.000 χ²/NDF:34.1/35
Out: -0.000+/-0.000 χ²/NDF:59.4/39
All: -0.000+/-0.000 χ²/NDF: 94.5/75



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:5502801.9/19

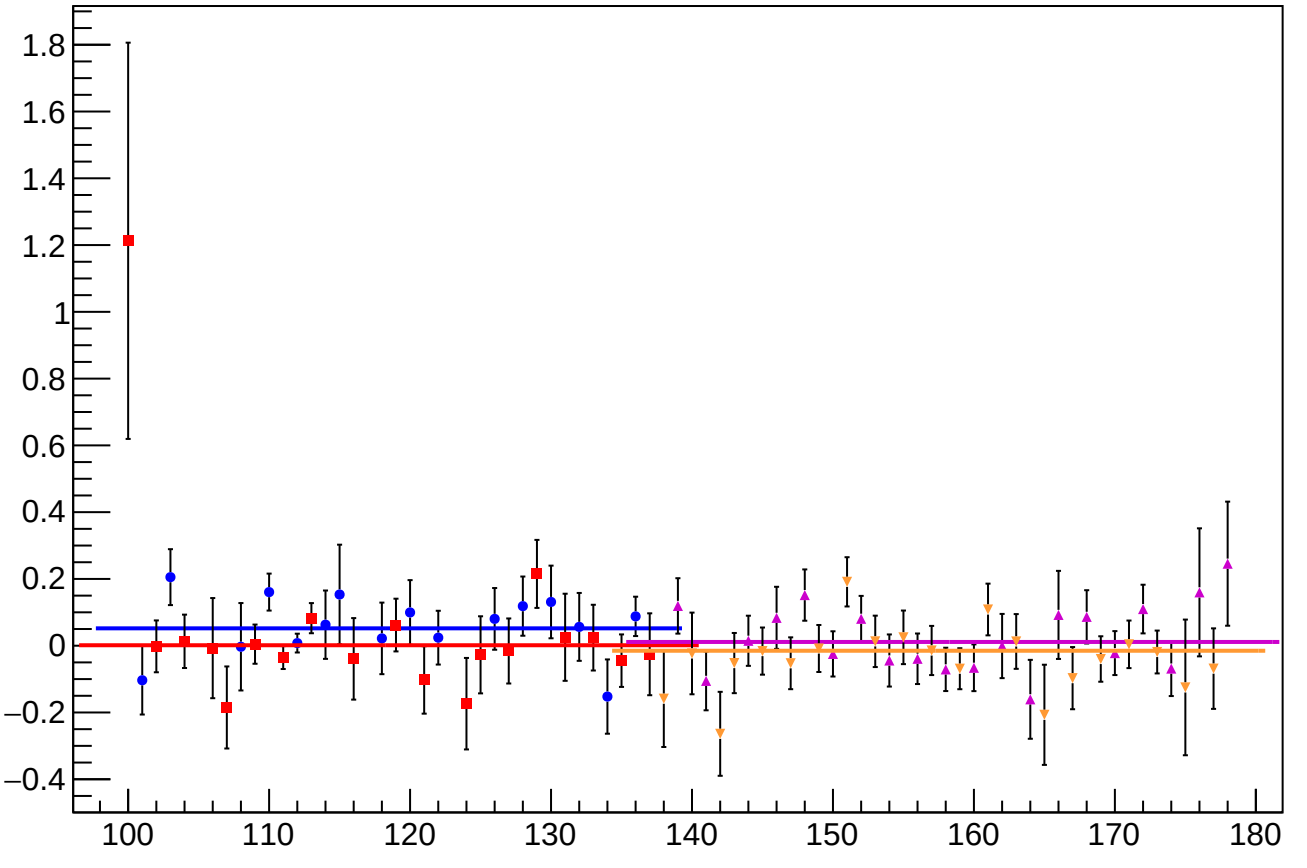
Left: 0.003+/-0.000 χ^2/NDF: 11456099.3/40

Right: 0.002+/-0.000 χ^2/NDF: 5607793.8/34

In: 0.002+/-0.000 χ^2/NDF:8037004.7/35

Out: 0.002+/-0.000 χ^2/NDF:9731383.4/39

All: 0.002+/-0.000 χ^2/NDF: 18007167.5/75



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: 0.011+/-0.018 χ^2/NDF:21.1/19

Left: -0.002+/-0.013 χ^2/NDF: 42.2/40

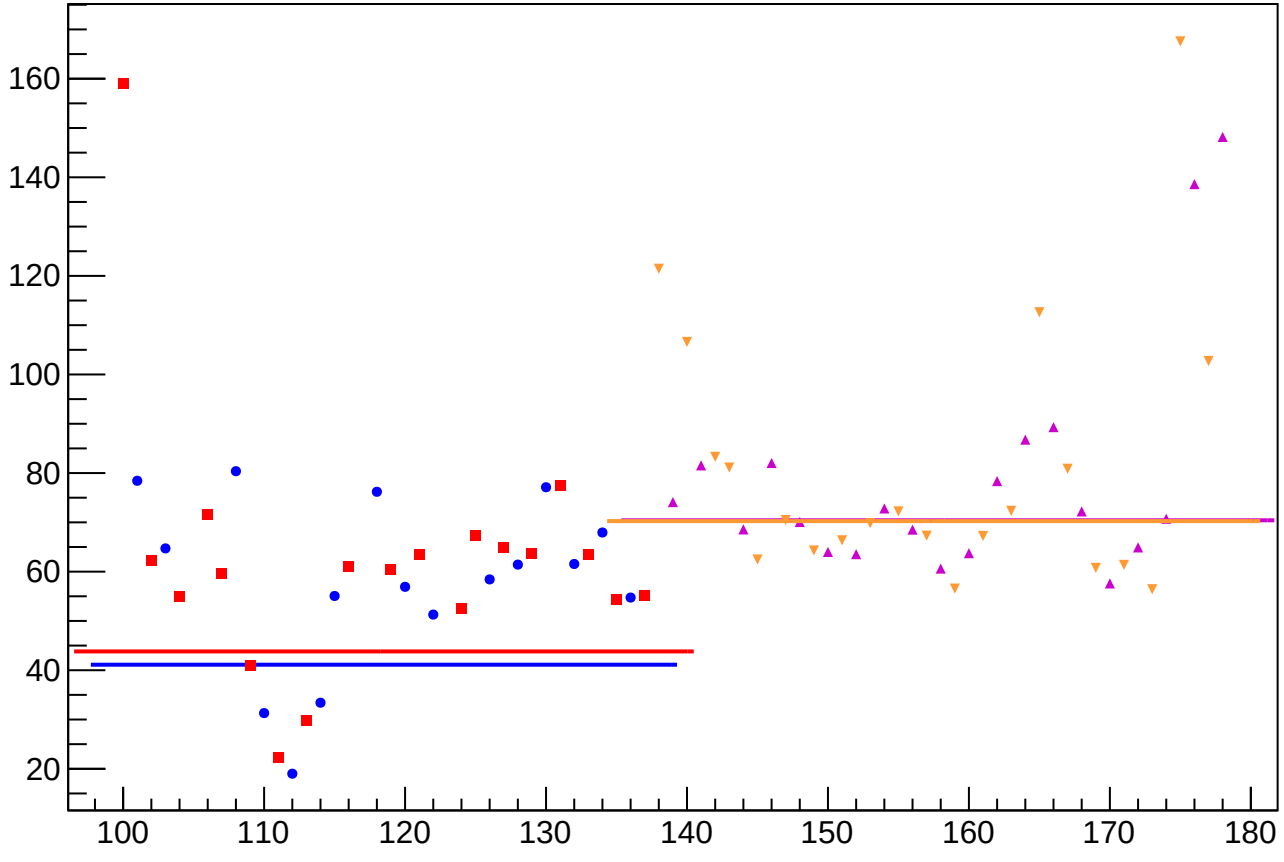
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.032+/-0.013 χ^2/NDF:41.6/35

Out: -0.007+/-0.013 χ^2/NDF:39.7/39

All: 0.013+/-0.009 χ^2/NDF: 86.0/75

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: 70.417+/-0.013 χ^2/NDF:957943.0/19

Left: 70.334+/-0.009 χ^2/NDF: 2540406.1/40

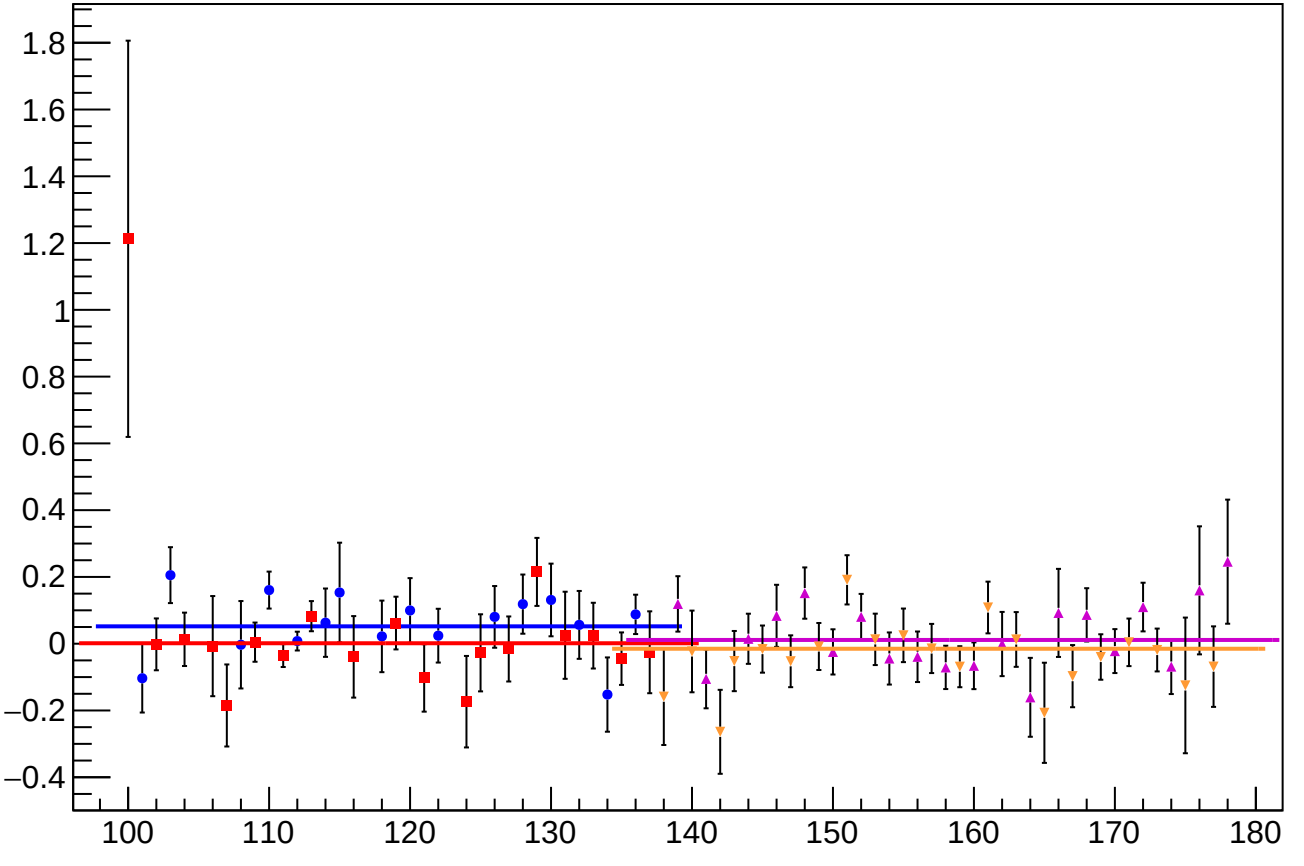
Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 55.286+/-0.009 χ^2/NDF:6511773.9/35

Out: 56.903+/-0.009 χ^2/NDF:5784875.0/39

All: 56.097+/-0.006 χ^2/NDF: 12312701.2/75

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: 0.011+/-0.018 χ^2/NDF:21.1/19

Left: -0.002+/-0.013 χ^2/NDF: 42.2/40

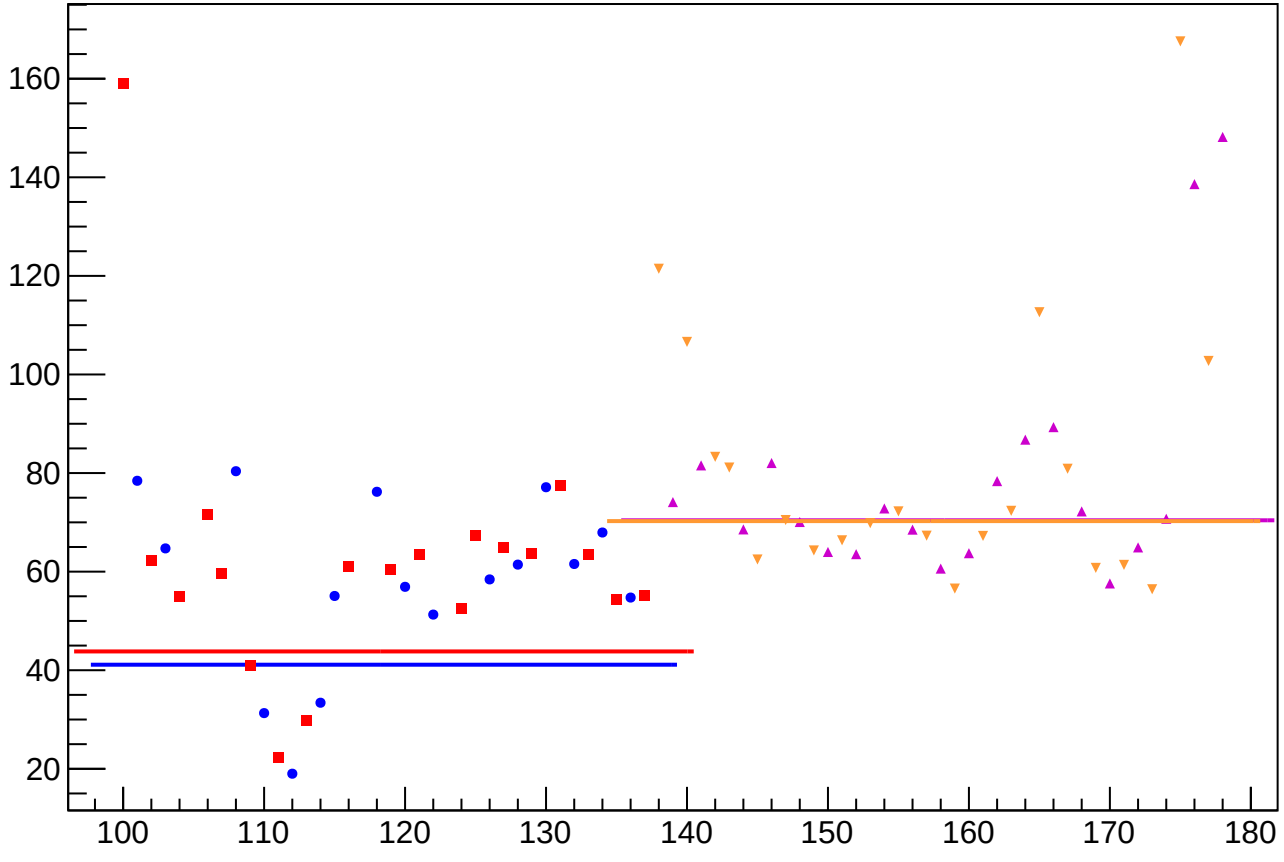
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.032+/-0.013 χ^2/NDF:41.6/35

Out: -0.007+/-0.013 χ^2/NDF:39.7/39

All: 0.013+/-0.009 χ^2/NDF: 86.0/75

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: 70.417+/-0.013 χ^2/NDF:957943.0/19

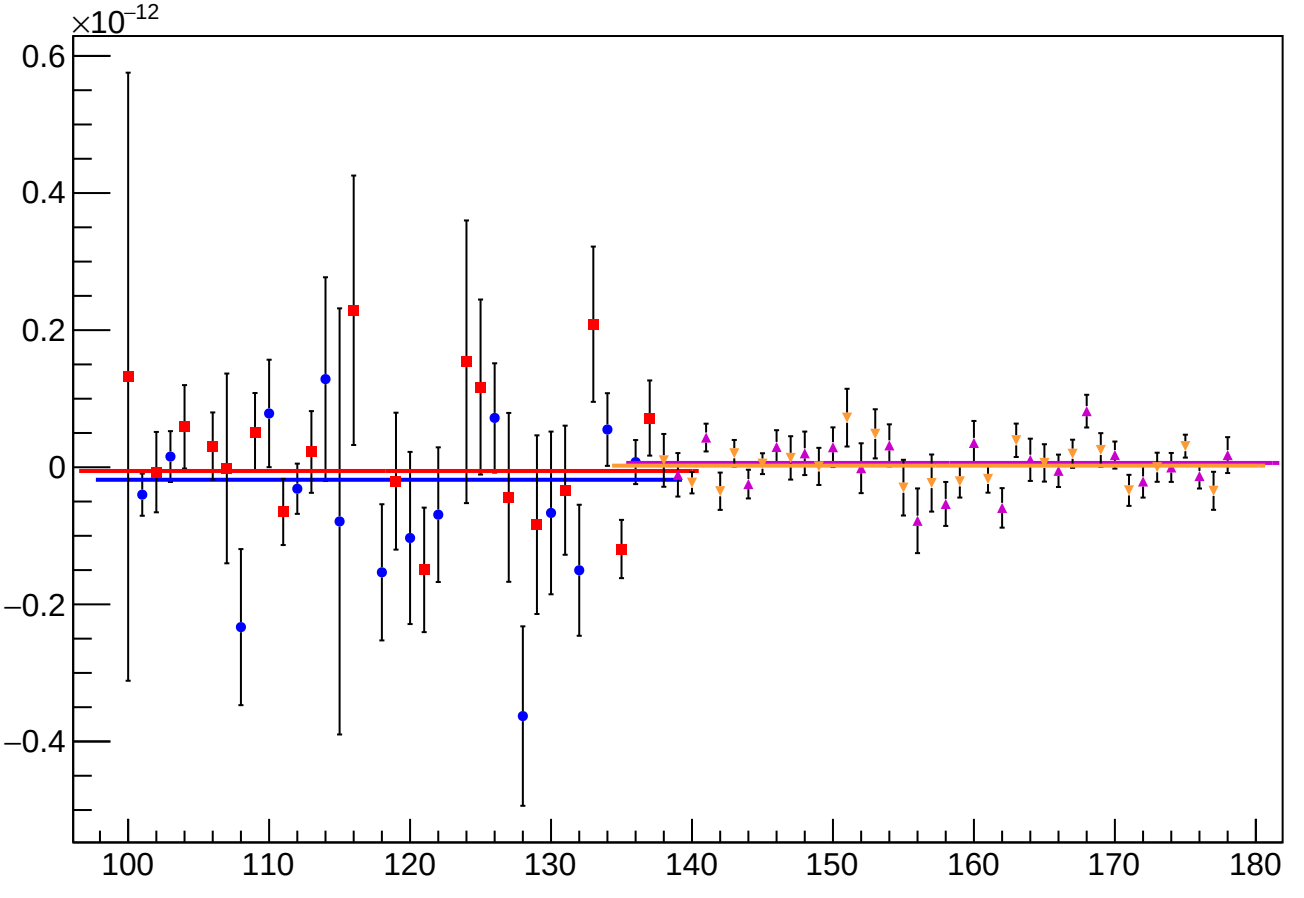
Left: 70.334+/-0.009 χ^2/NDF: 2540406.1/40

Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 55.286+/-0.009 χ^2/NDF:6511773.9/35

Out: 56.903+/-0.009 χ^2/NDF:5784875.0/39

All: 56.097+/-0.006 χ^2/NDF: 12312701.2/75



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:34.3/19

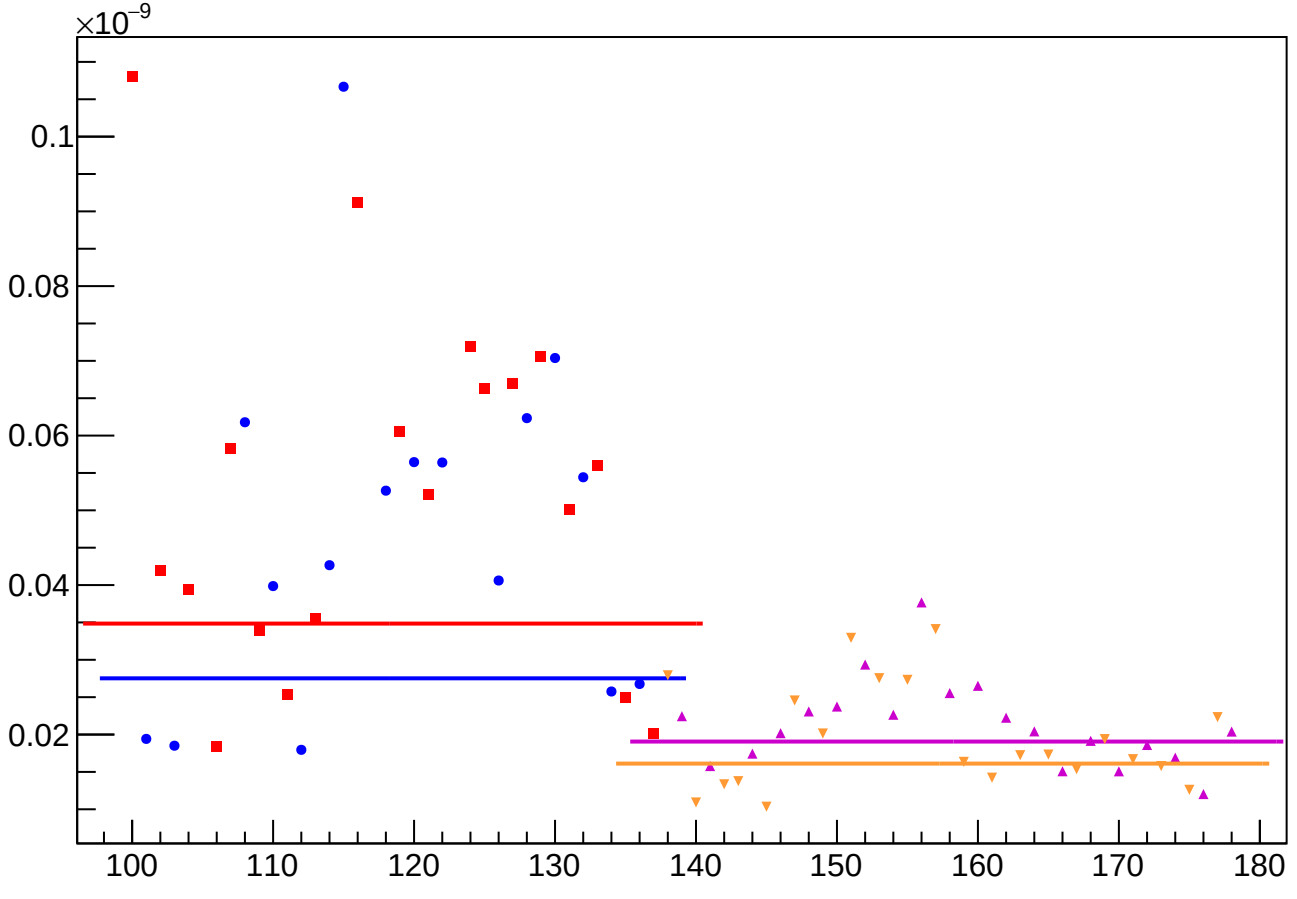
Left: 0.000+/-0.000 χ^2/NDF: 58.4/40

Right: -0.000+/-0.000 χ^2/NDF: 46.6/34

In: 0.000+/-0.000 χ^2/NDF:59.8/35

Out: 0.000+/-0.000 χ^2/NDF:47.4/39

All: 0.000+/-0.000 χ^2/NDF: 107.2/75



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:1355438.6/19

Left: 0.000+/-0.000 χ^2/NDF: 3889738.2/40

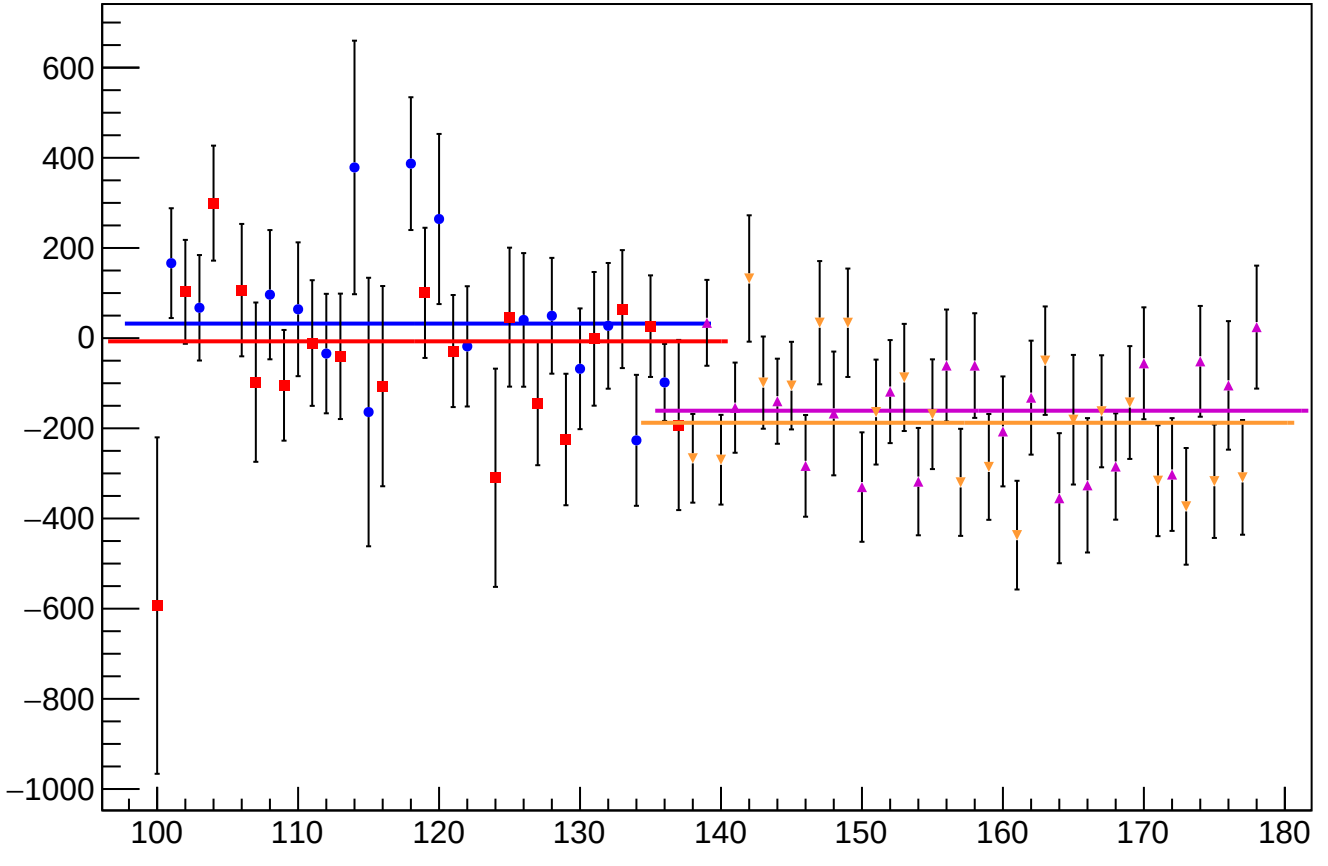
Right: 0.000+/-0.000 χ^2/NDF: 3696738.0/34

In: 0.000+/-0.000 χ^2/NDF:3750996.4/35

Out: 0.000+/-0.000 χ^2/NDF:6218747.5/39

All: 0.000+/-0.000 χ^2/NDF: 10208897.5/75

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: -160.945+/-26.715 χ^2/NDF:19.8/19

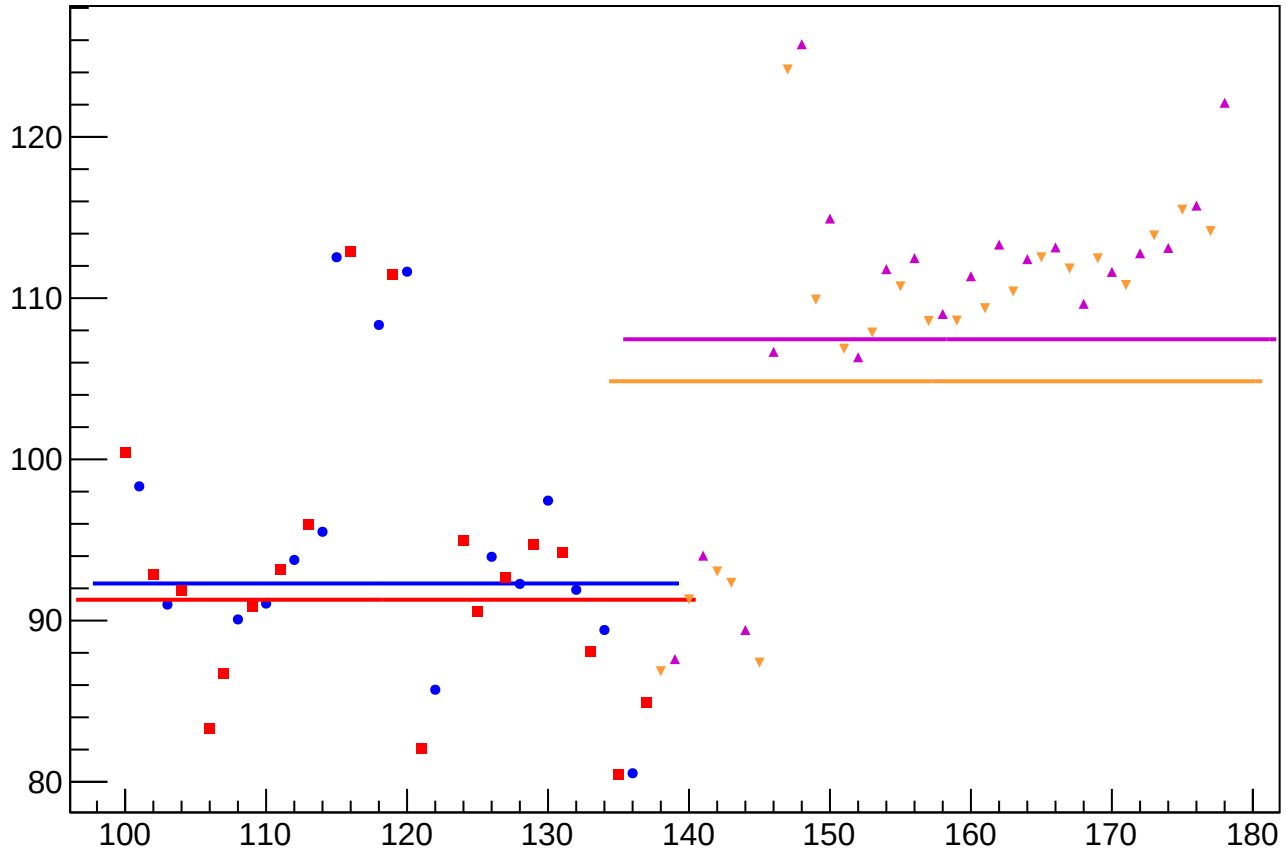
Left: -174.779+/-18.562 χ^2/NDF: 47.9/40

Right: 12.028+/-23.980 χ^2/NDF: 35.7/34

In: -88.322+/-21.106 χ^2/NDF:56.7/35

Out: -120.208+/-20.428 χ^2/NDF:63.7/39

All: -104.785+/-14.679 χ^2/NDF: 121.6/75



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: 107.449+/-0.019 χ^2/NDF:297945.2/19

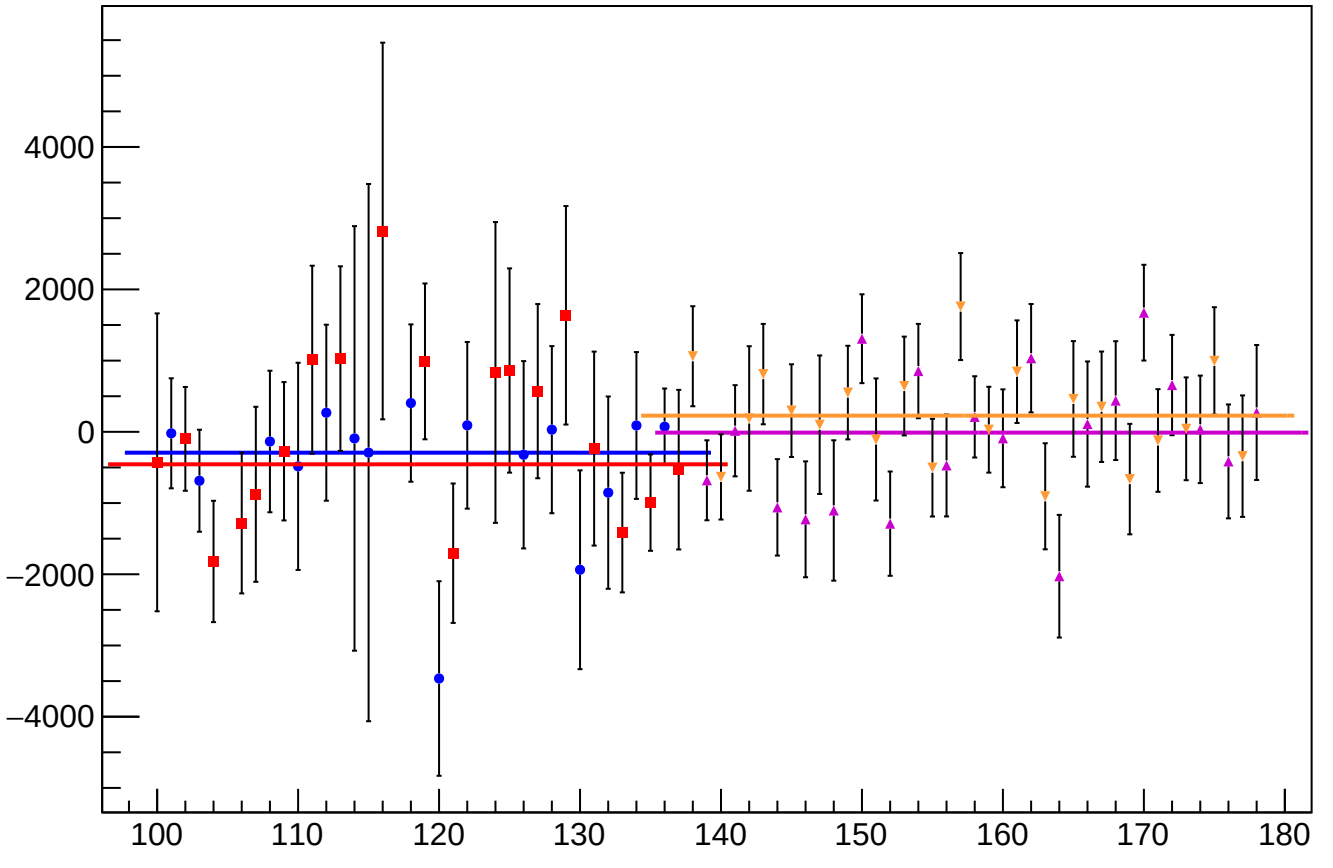
Left: 106.103+/-0.013 χ^2/NDF: 640484.5/40

Right: 91.783+/-0.017 χ^2/NDF: 213046.7/34

In: 101.757+/-0.015 χ^2/NDF:646627.3/35

Out: 99.782+/-0.014 χ^2/NDF:643817.6/39

All: 100.737+/-0.010 χ^2/NDF: 1299480.1/75



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: -11.166+/-160.858 χ^2/NDF:32.3/19

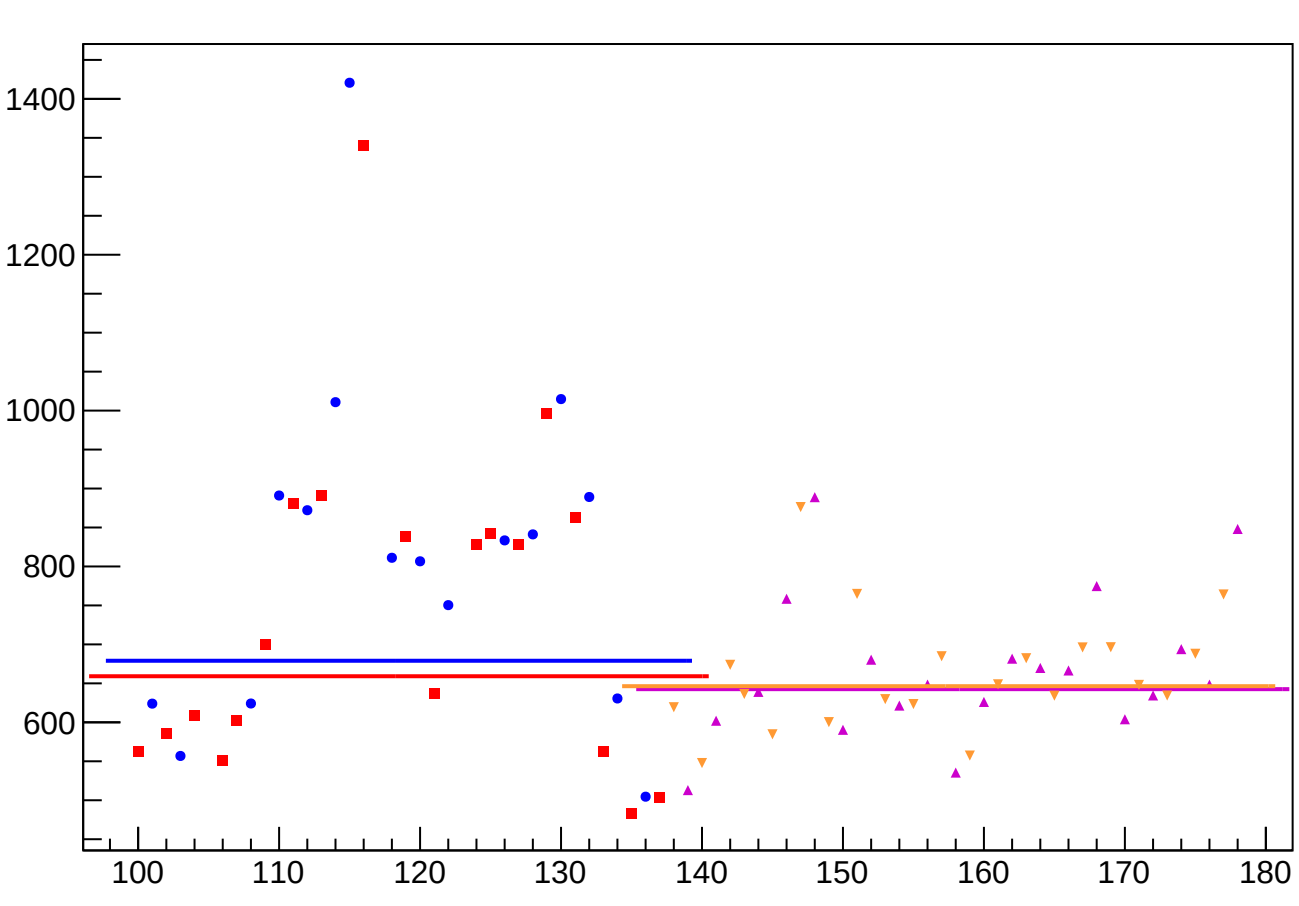
Left: 109.002+/-113.355 χ^2/NDF: 50.0/40

Right: -377.812+/-179.624 χ^2/NDF: 25.9/34

In: -89.248+/-136.749 χ^2/NDF:41.9/35

Out: 27.933+/-134.421 χ^2/NDF:38.8/39

All: -29.651+/-95.863 χ^2/NDF: 81.1/75



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: 642.566+/-0.114 χ^2/NDF:542315.0/19

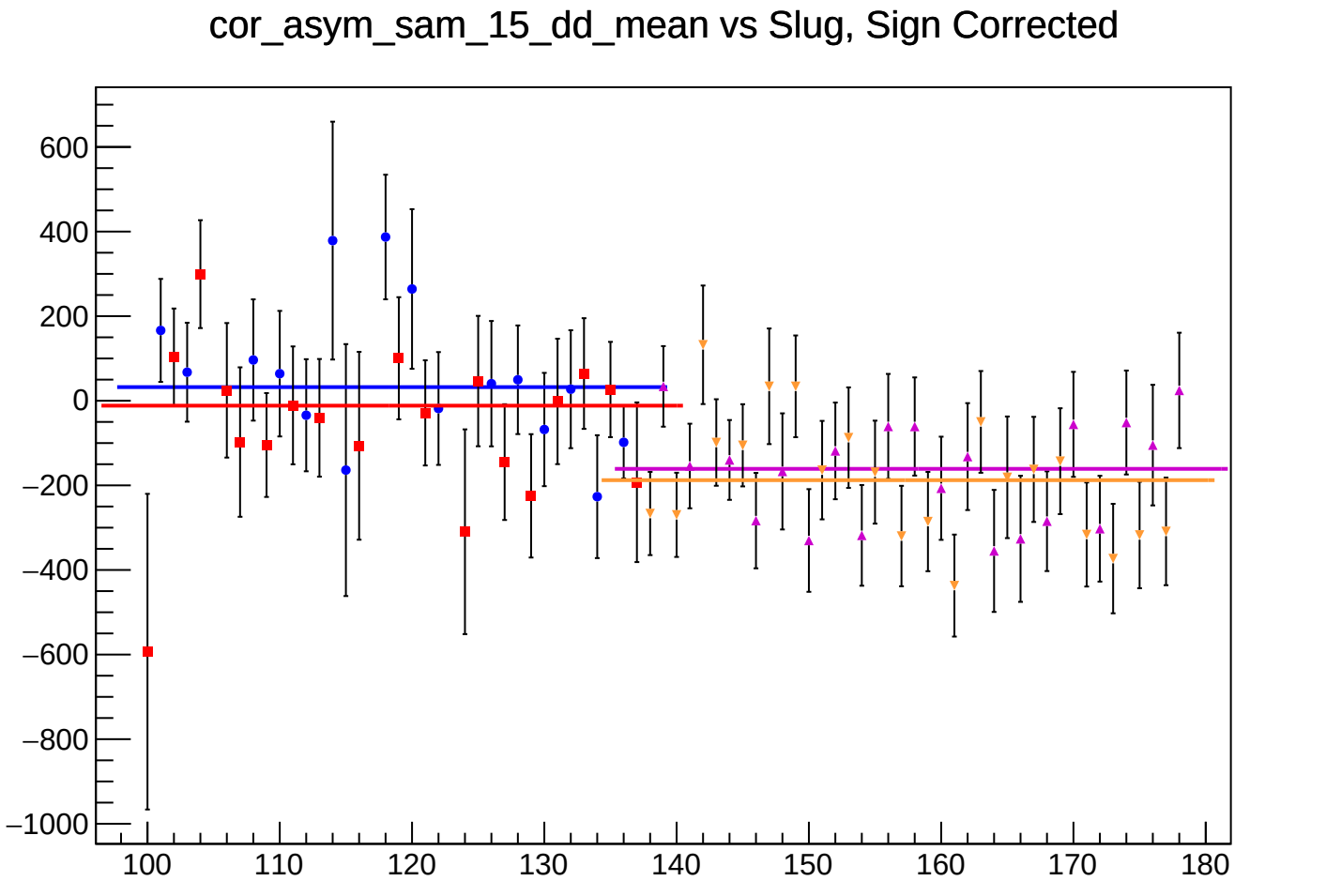
Left: 644.480+/-0.080 χ^2/NDF: 898358.8/40

Right: 668.639+/-0.127 χ^2/NDF: 1569967.8/34

In: 652.669+/-0.097 χ^2/NDF:1338753.9/35

Out: 650.097+/-0.095 χ^2/NDF:1155088.5/39

All: 651.361+/-0.068 χ^2/NDF: 2494202.4/75



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: -160.948+/-26.715 χ^2/NDF:19.8/19

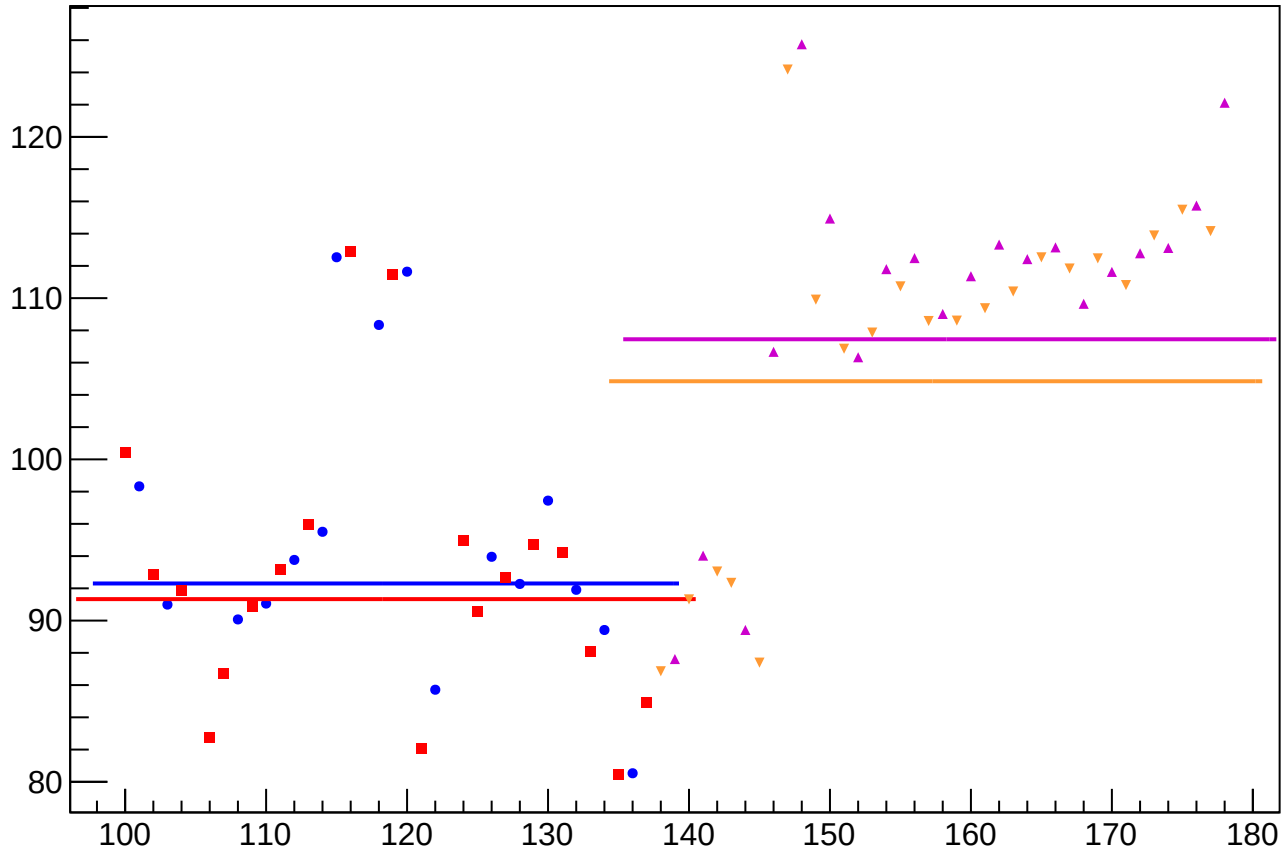
Left: -174.780+/-18.562 χ^2/NDF: 47.9/40

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -88.318+/-21.106 χ^2/NDF:56.8/35

Out: -122.207+/-20.457 χ^2/NDF:62.1/39

All: -105.792+/-14.689 χ^2/NDF: 120.2/75



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: 107.449+/-0.019 χ^2/NDF:297945.2/19

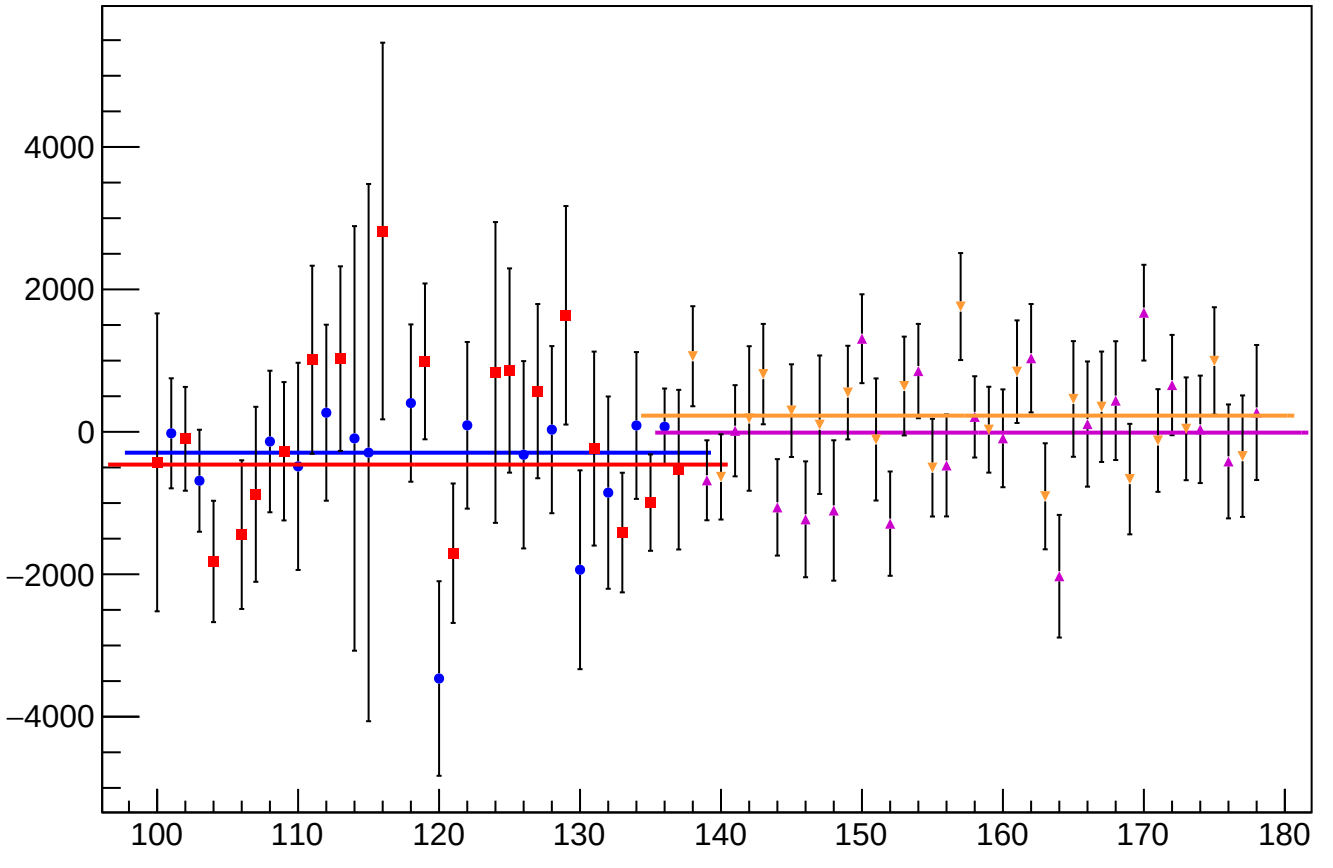
Left: 106.103+/-0.013 χ^2/NDF: 640484.5/40

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 101.757+/-0.015 χ^2/NDF:646627.2/35

Out: 99.821+/-0.014 χ^2/NDF:641490.9/39

All: 100.759+/-0.010 χ^2/NDF: 1296791.3/75



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: -11.169+/-160.858 χ^2/NDF:32.3/19

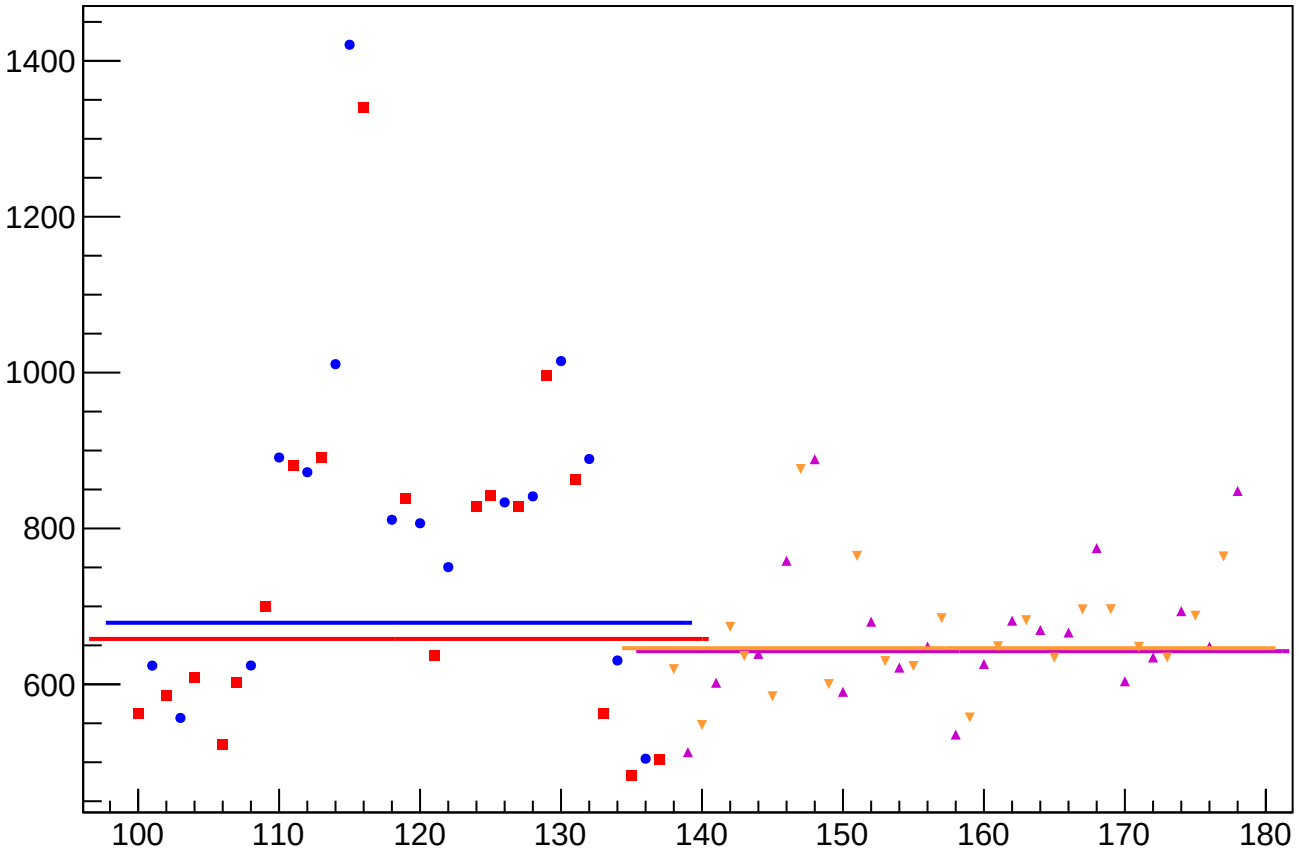
Left: 108.999+/-113.355 χ^2/NDF: 50.0/40

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -89.249+/-136.749 χ^2/NDF:41.9/35

Out: 27.772+/-134.551 χ^2/NDF:39.0/39

All: -29.790+/-95.910 χ^2/NDF: 81.4/75



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: 642.566+/-0.114 χ^2/NDF:542316.7/19

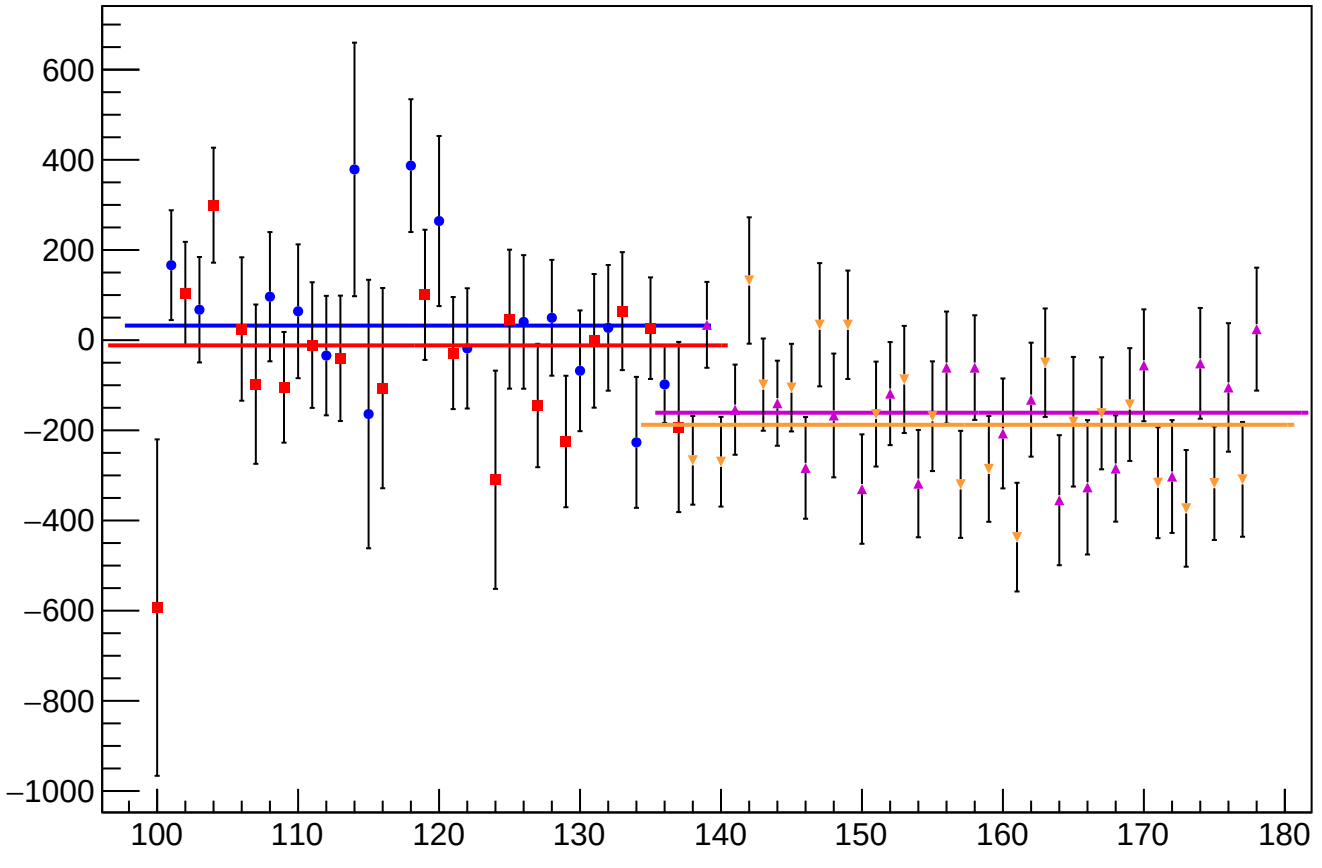
Left: 644.480+/-0.080 χ^2/NDF: 898360.9/40

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 652.669+/-0.097 χ^2/NDF:1338757.1/35

Out: 649.826+/-0.095 χ^2/NDF:1164602.1/39

All: 651.225+/-0.068 χ^2/NDF: 2503798.5/75



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: -160.948+/-26.715 χ^2/NDF:19.8/19

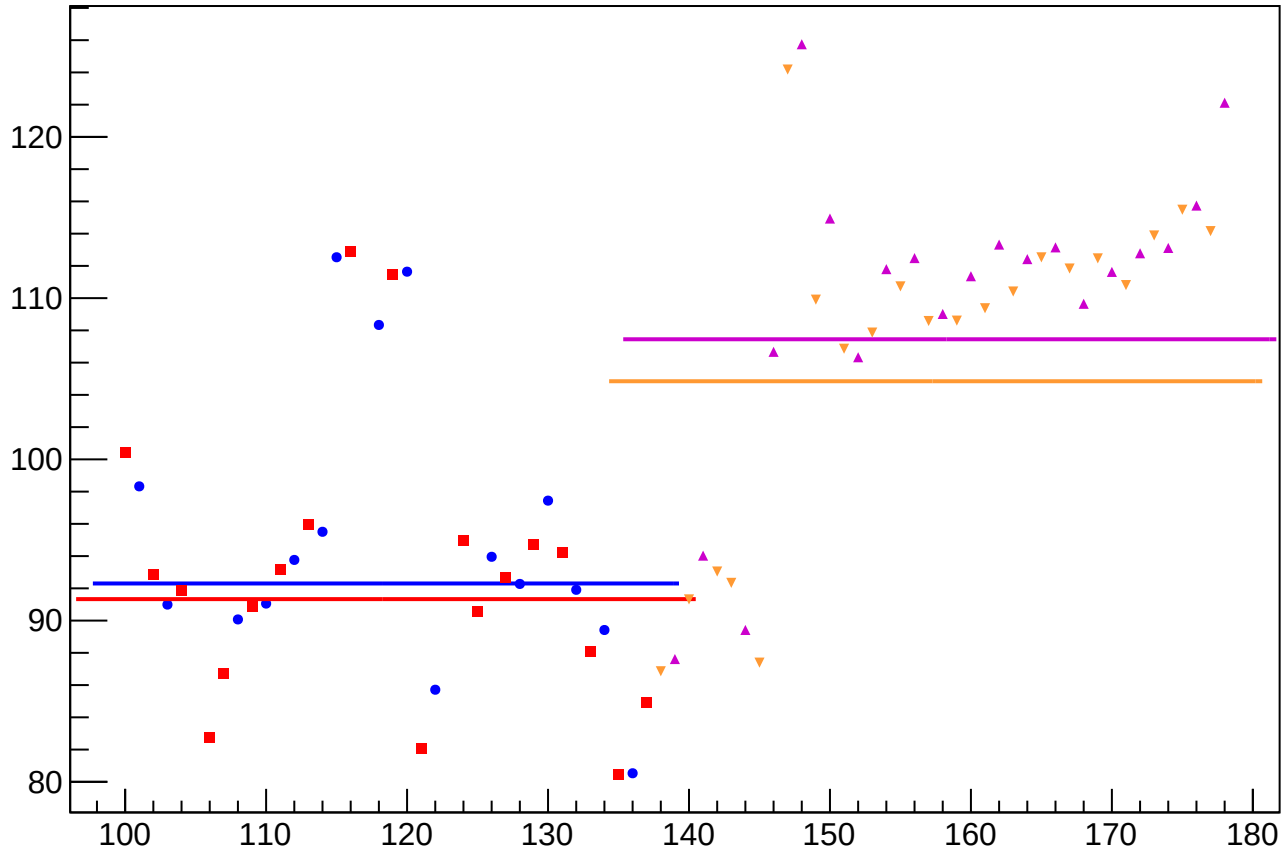
Left: -174.780+/-18.562 χ^2/NDF: 47.9/40

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -88.318+/-21.106 χ^2/NDF:56.8/35

Out: -122.207+/-20.457 χ^2/NDF:62.1/39

All: -105.792+/-14.689 χ^2/NDF: 120.2/75



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: 107.449+/-0.019 χ^2/NDF:297945.2/19

Left: 106.103+/-0.013 χ^2/NDF: 640484.5/40

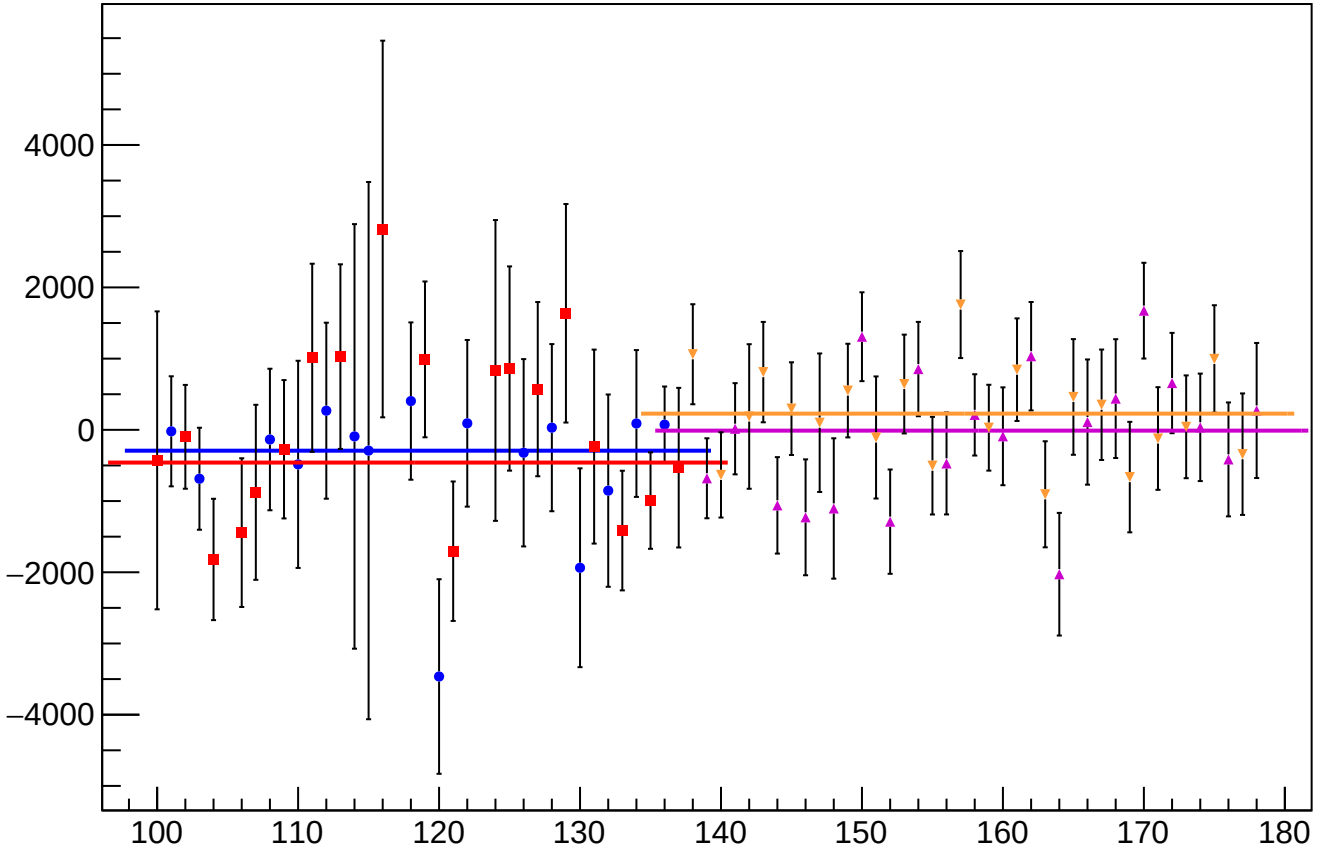
Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 101.757+/-0.015 χ^2/NDF:646627.2/35

Out: 99.821+/-0.014 χ^2/NDF:641490.9/39

All: 100.759+/-0.010 χ^2/NDF: 1296791.3/75

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: -11.169+/-160.858 χ^2/NDF:32.3/19

Left: 108.999+/-113.355 χ^2/NDF: 50.0/40

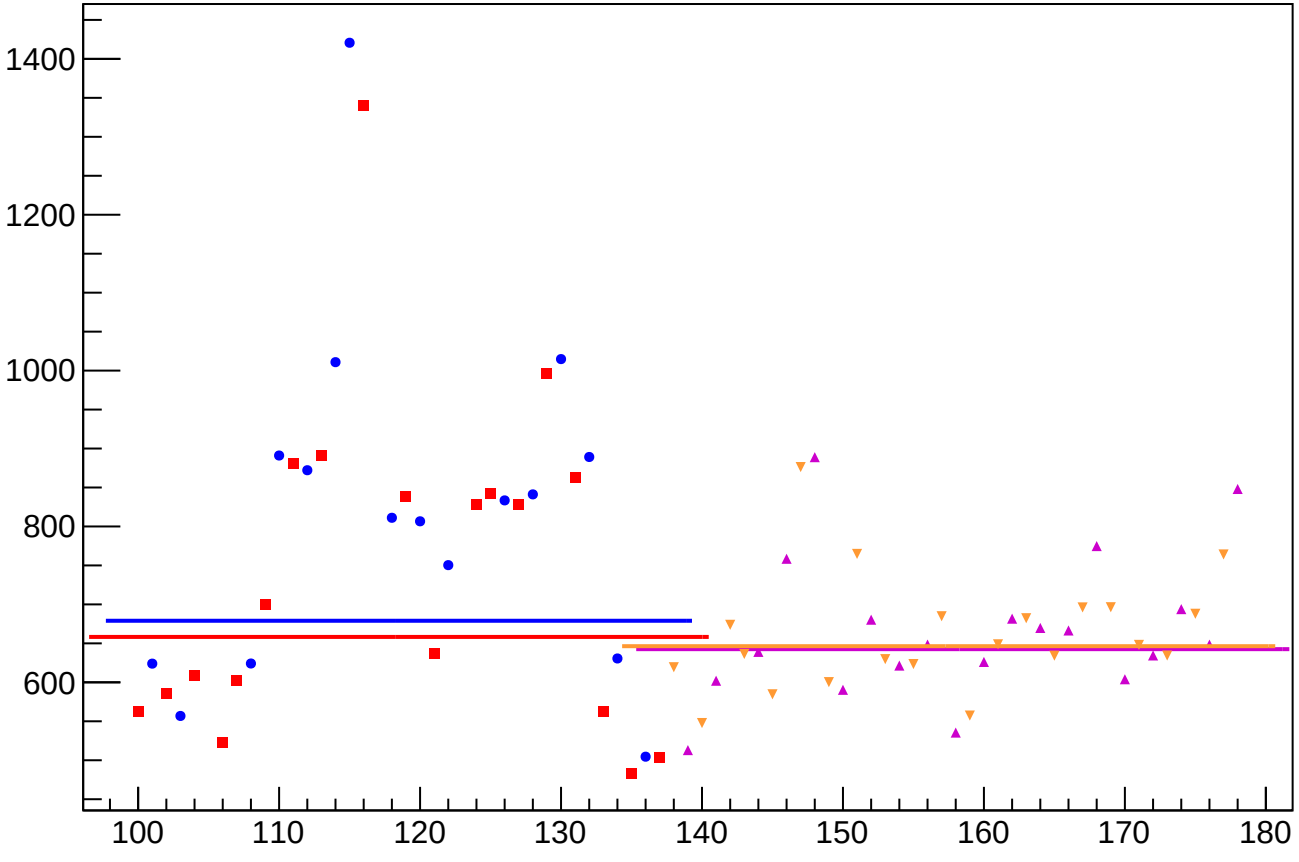
Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -89.249+/-136.749 χ^2/NDF:41.9/35

Out: 27.772+/-134.551 χ^2/NDF:39.0/39

All: -29.790+/-95.910 χ^2/NDF: 81.4/75

asym_sam_15_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 642.566+/-0.114 χ^2/NDF:542316.7/19

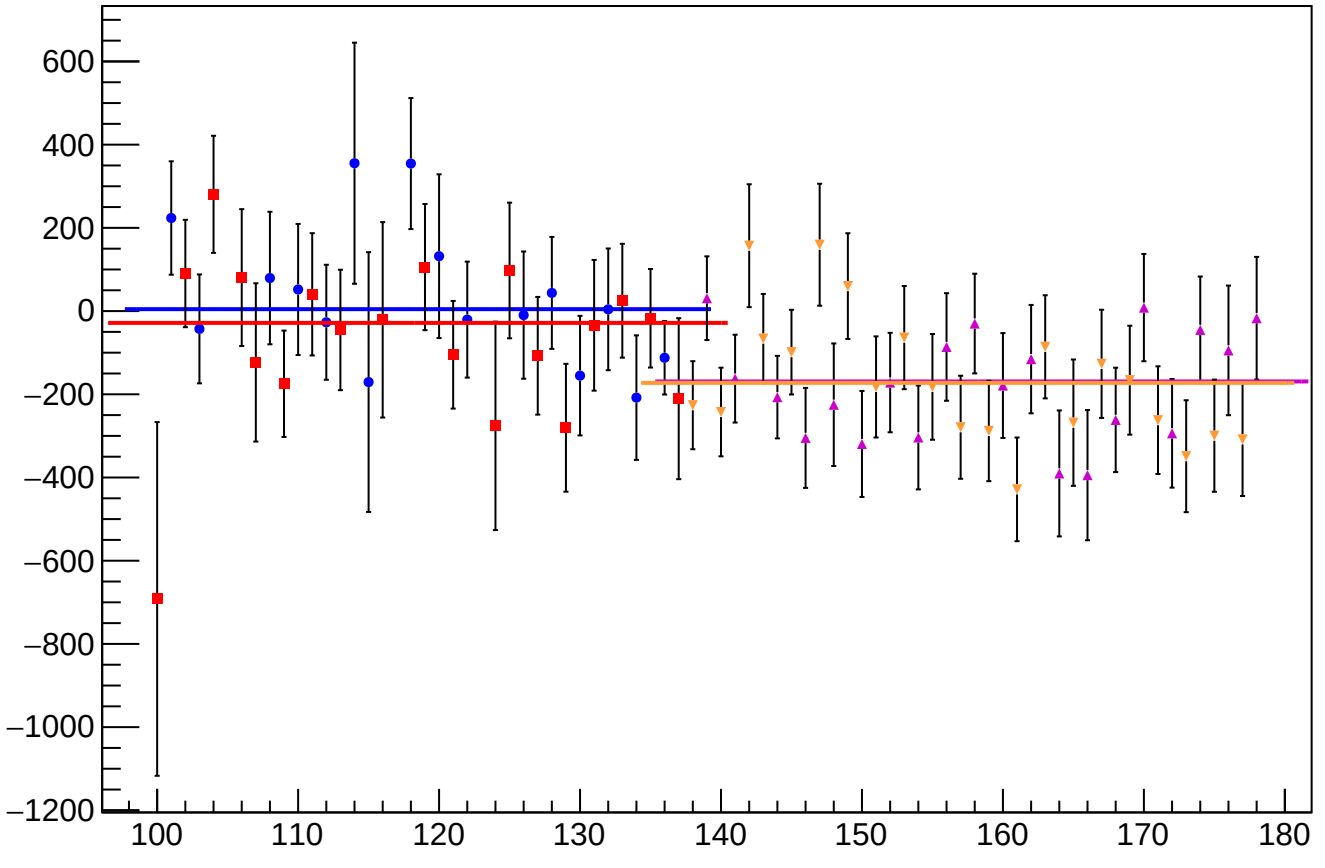
Left: 644.480+/-0.080 χ^2/NDF: 898360.9/40

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 652.669+/-0.097 χ^2/NDF:1338757.1/35

Out: 649.826+/-0.095 χ^2/NDF:1164602.1/39

All: 651.225+/-0.068 χ^2/NDF: 2503798.5/75



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: -169.150+/-28.084 χ^2/NDF:19.8/19

Left: -170.916+/-19.515 χ^2/NDF: 47.2/40

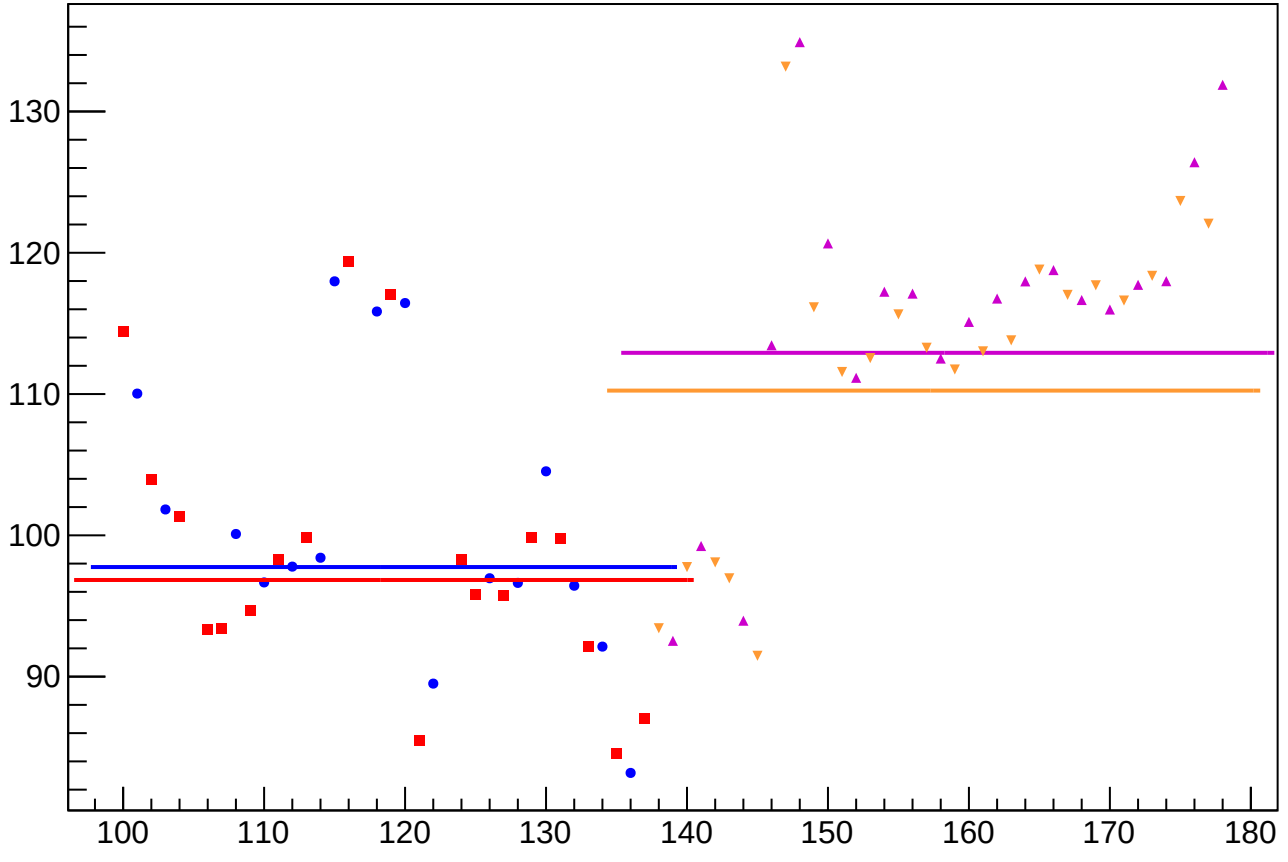
Right: -12.373+/-25.439 χ^2/NDF: 32.9/34

In: -104.550+/-22.260 χ^2/NDF:49.4/35

Out: -119.333+/-21.551 χ^2/NDF:54.9/39

All: -112.181+/-15.483 χ^2/NDF: 104.5/75

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: 112.918+/-0.020 χ^2/NDF:310087.6/19

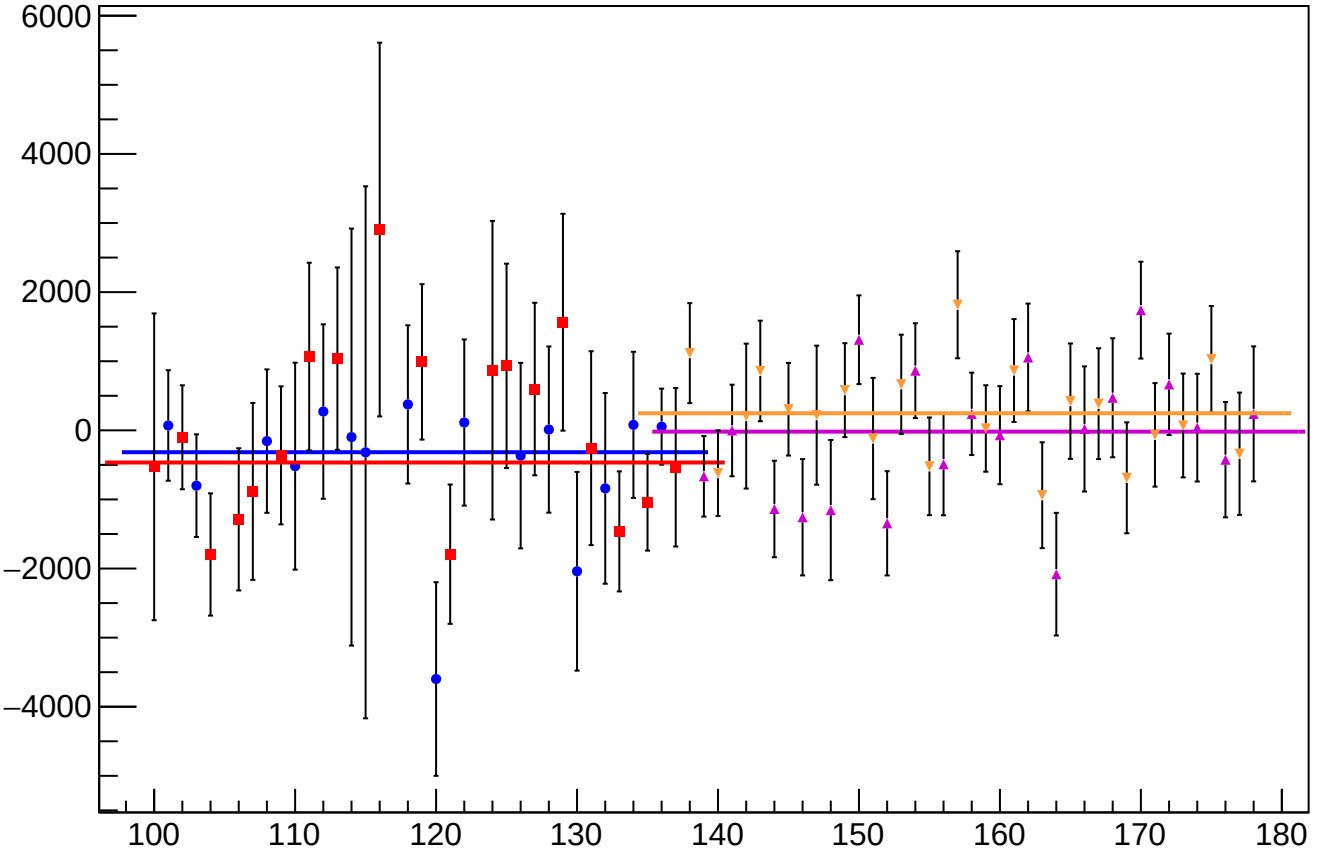
Left: 111.536+/-0.014 χ^2/NDF: 637037.3/40

Right: 97.285+/-0.018 χ^2/NDF: 256473.4/34

In: 107.282+/-0.016 χ^2/NDF:667459.2/35

Out: 105.295+/-0.015 χ^2/NDF:612985.4/39

All: 106.256+/-0.011 χ^2/NDF: 1288667.5/75



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: -18.833+/-166.431 χ^2/NDF:32.0/19

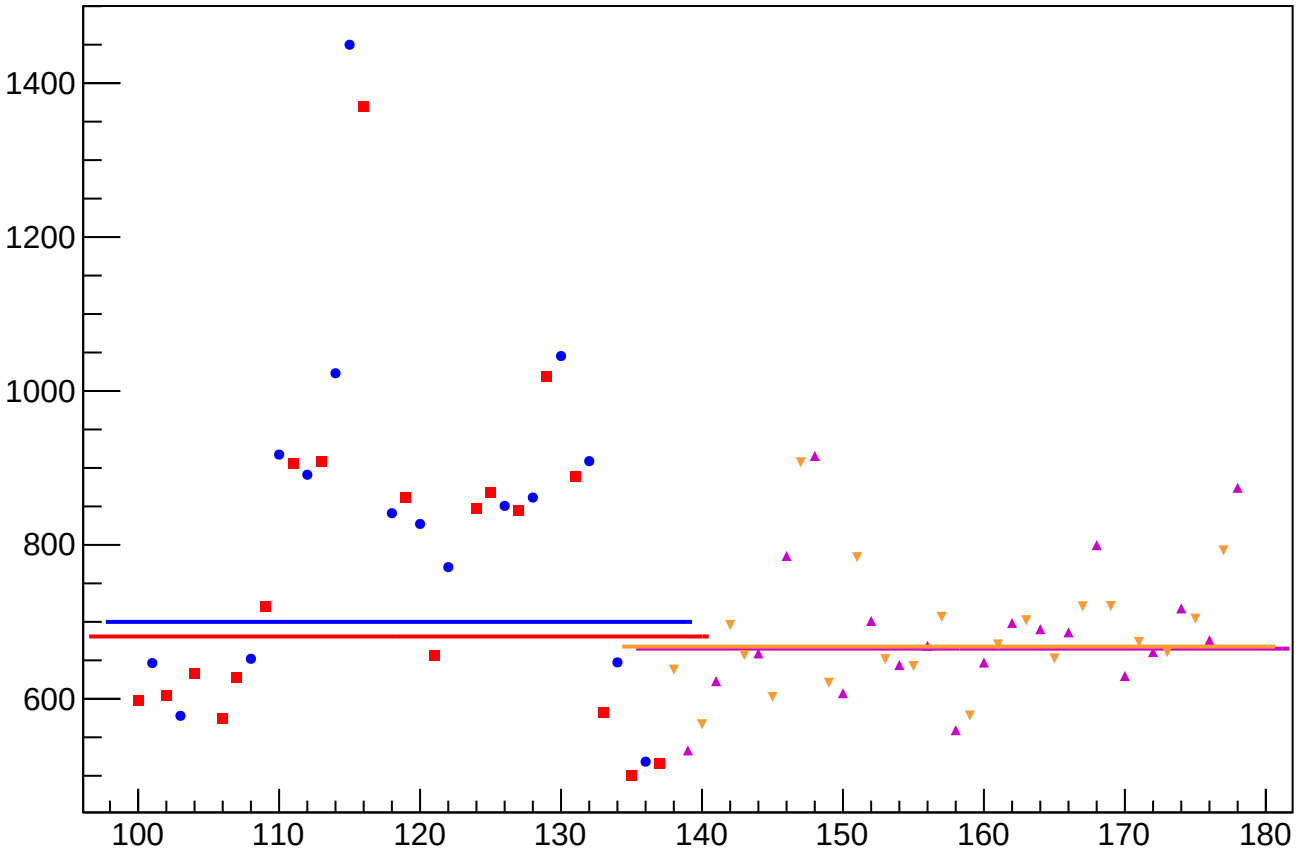
Left: 115.433+/-117.180 χ^2/NDF: 49.8/40

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -101.916+/-141.315 χ^2/NDF:42.0/35

Out: 38.880+/-138.799 χ^2/NDF:38.5/39

All: -30.254+/-99.023 χ^2/NDF: 81.0/75



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: 665.216+/-0.118 χ^2/NDF:522413.0/19

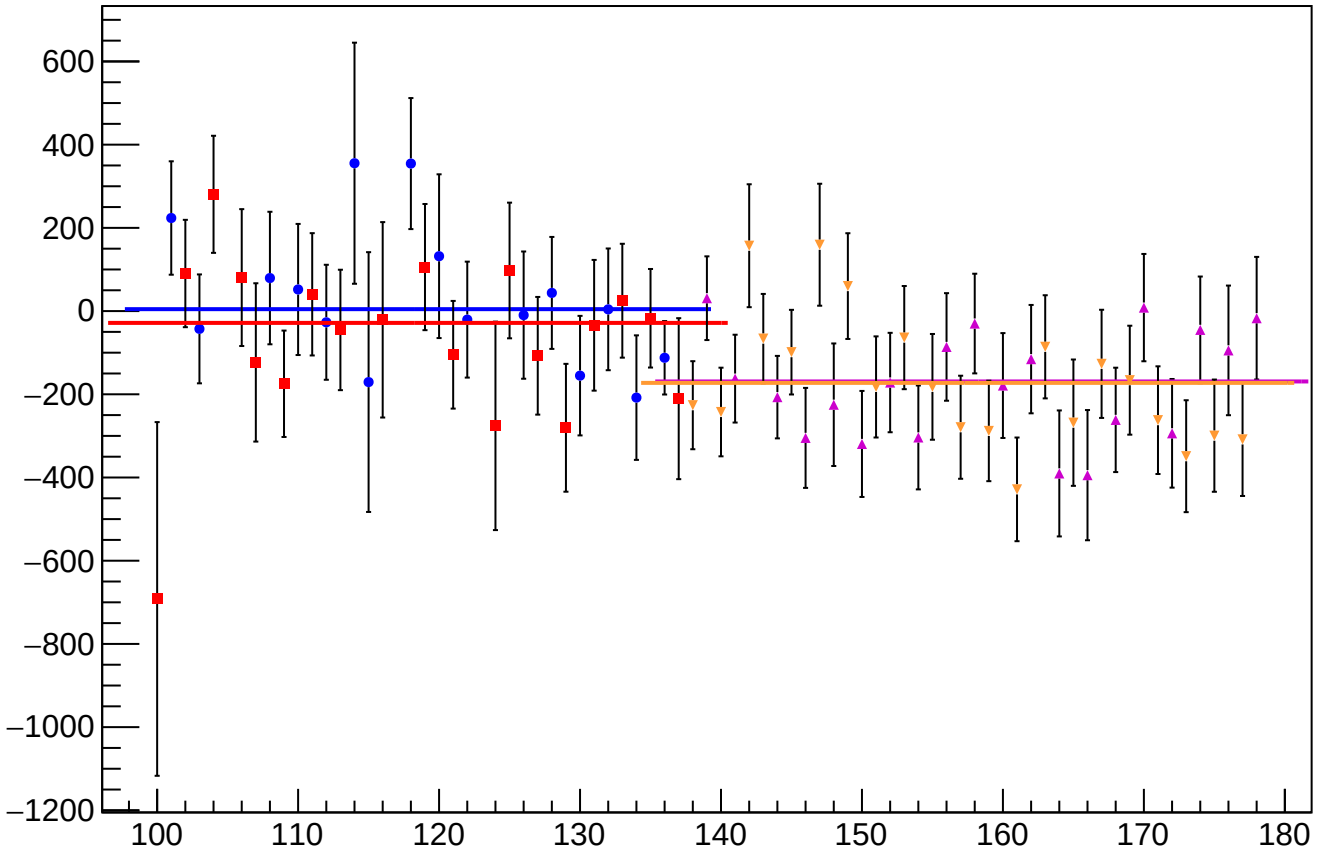
Left: 666.561+/-0.083 χ^2/NDF: 873984.4/40

Right: 690.102+/-0.131 χ^2/NDF: 1528292.0/34

In: 674.915+/-0.100 χ^2/NDF:1300417.8/35

Out: 671.724+/-0.098 χ^2/NDF:1124415.6/39

All: 673.291+/-0.070 χ^2/NDF: 2425352.4/75



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: -169.150+/-28.084 χ^2/NDF:19.8/19

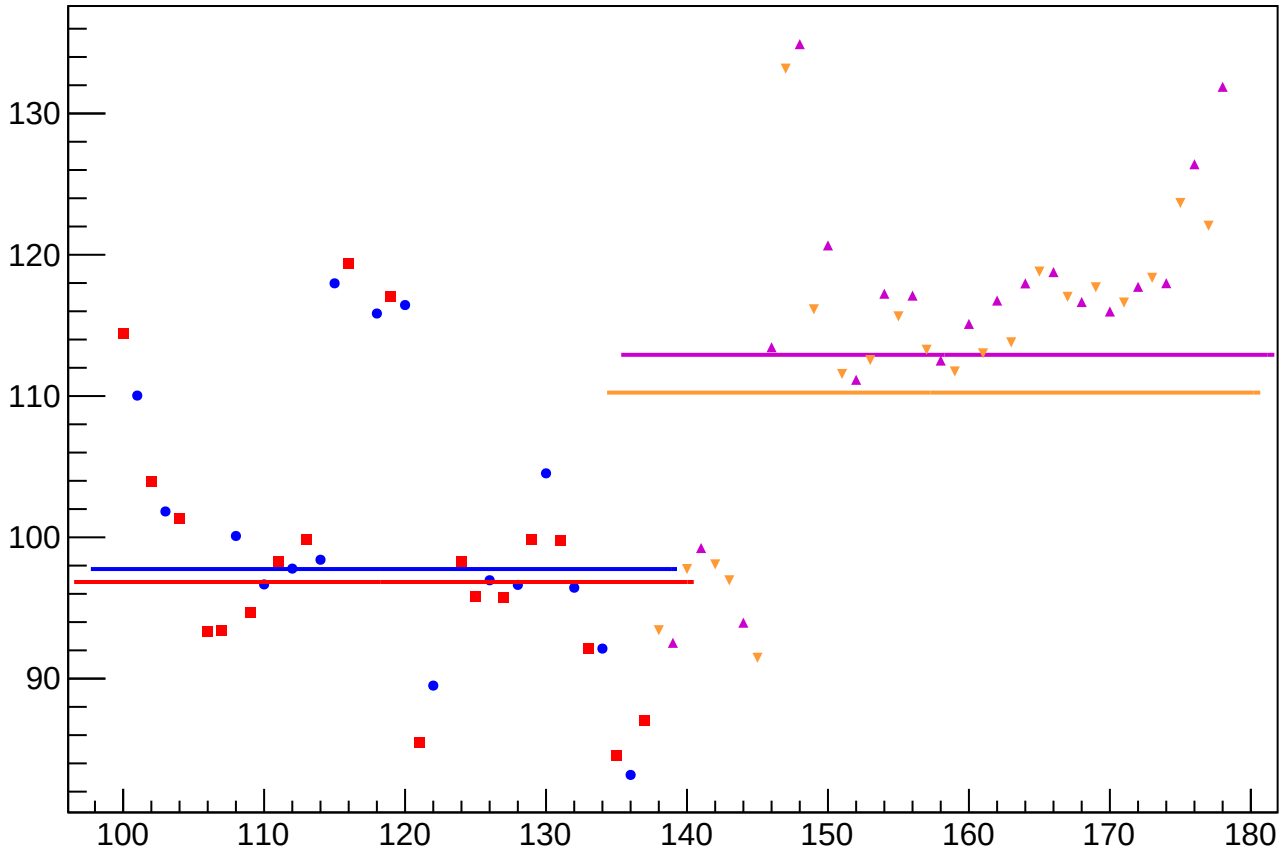
Left: -170.916+/-19.515 χ^2/NDF: 47.2/40

Right: -12.373+/-25.438 χ^2/NDF: 32.9/34

In: -104.550+/-22.260 χ^2/NDF:49.4/35

Out: -119.333+/-21.551 χ^2/NDF:54.9/39

All: -112.181+/-15.483 χ^2/NDF: 104.5/75



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: 112.918+/-0.020 χ^2/NDF:310083.2/19

Left: 111.536+/-0.014 χ^2/NDF: 637030.0/40

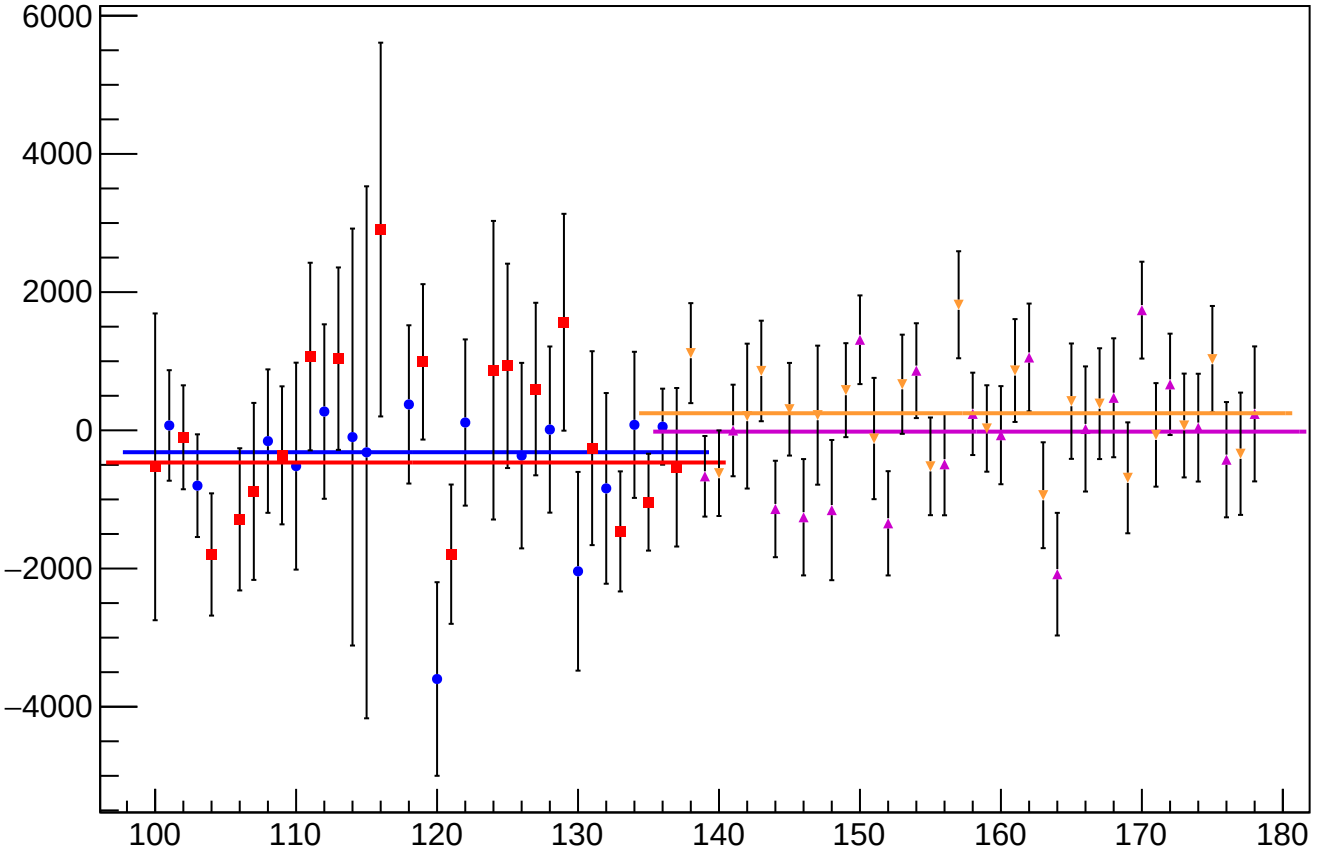
Right: 97.284+/-0.018 χ^2/NDF: 256476.1/34

In: 107.282+/-0.016 χ^2/NDF:667466.3/35

Out: 105.295+/-0.015 χ^2/NDF:612994.8/39

All: 106.256+/-0.011 χ^2/NDF: 1288684.3/75

asym_sam_15_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 247.422+/-165.014 χ^2/NDF:16.5/20

Right Out: -465.576+/-256.645 χ^2/NDF: 16.5/18

Left In: -18.833+/-166.431 χ^2/NDF:32.0/19

Left: 115.433+/-117.180 χ^2/NDF: 49.8/40

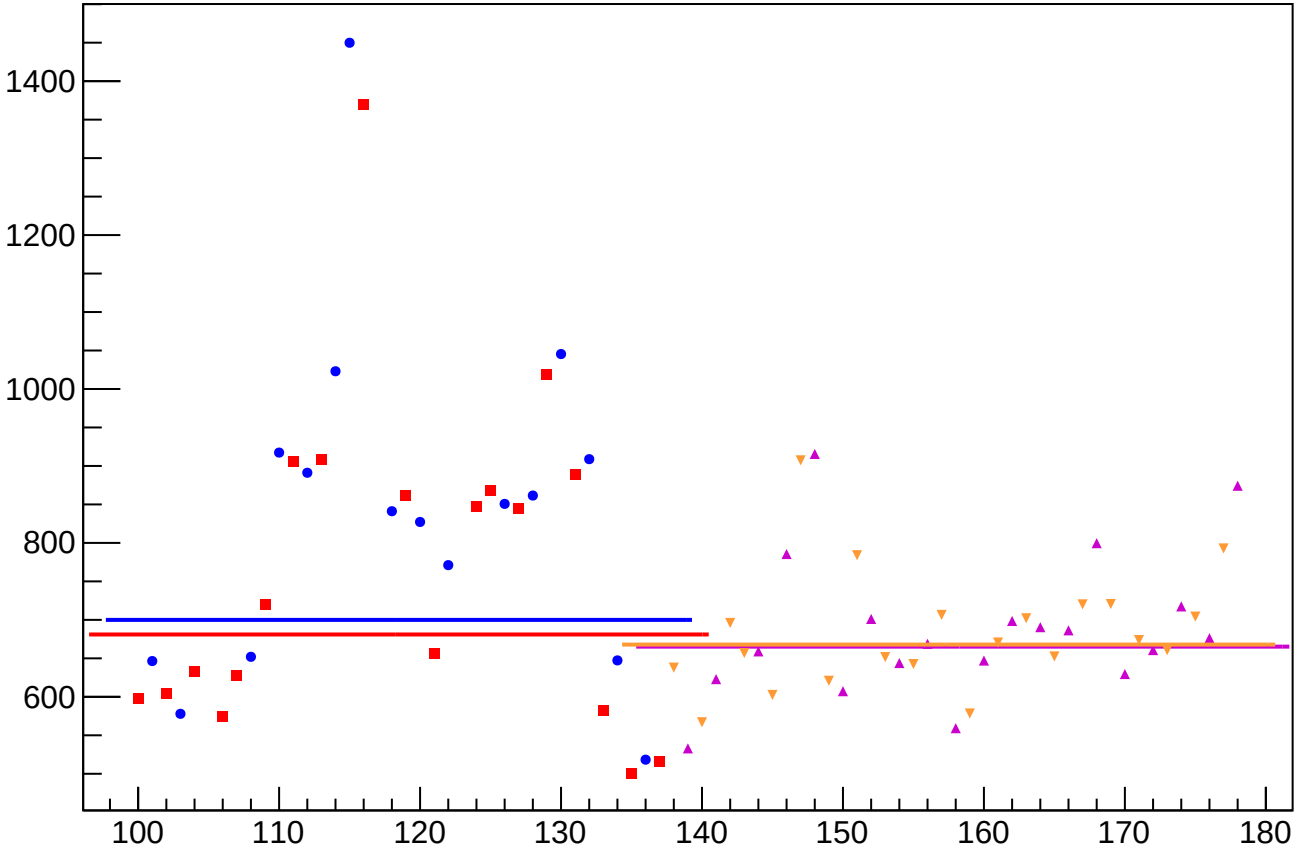
Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -101.916+/-141.315 χ^2/NDF:42.0/35

Out: 38.879+/-138.799 χ^2/NDF:38.5/39

All: -30.254+/-99.023 χ^2/NDF: 81.0/75

asym_sam_15_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 665.217+/-0.118 χ^2/NDF:522414.3/19

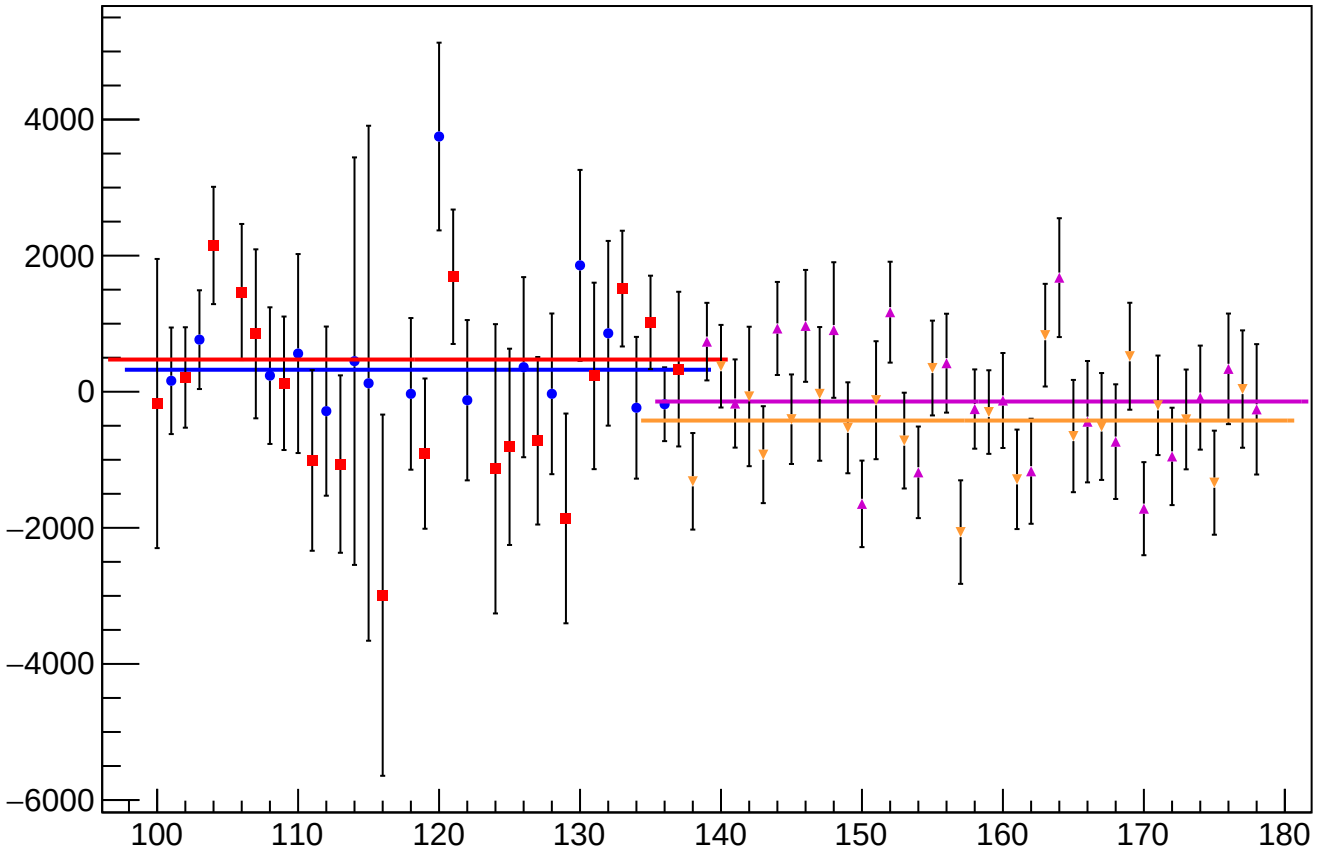
Left: 666.562+/-0.083 χ^2/NDF: 873984.2/40

Right: 690.100+/-0.131 χ^2/NDF: 1528298.1/34

In: 674.915+/-0.100 χ^2/NDF:1300419.0/35

Out: 671.724+/-0.098 χ^2/NDF:1124416.0/39

All: 673.291+/-0.070 χ^2/NDF: 2425354.1/75



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: -143.725+/-163.210 χ^2/NDF:33.2/19

Left: -284.650+/-114.964 χ^2/NDF: 52.5/40

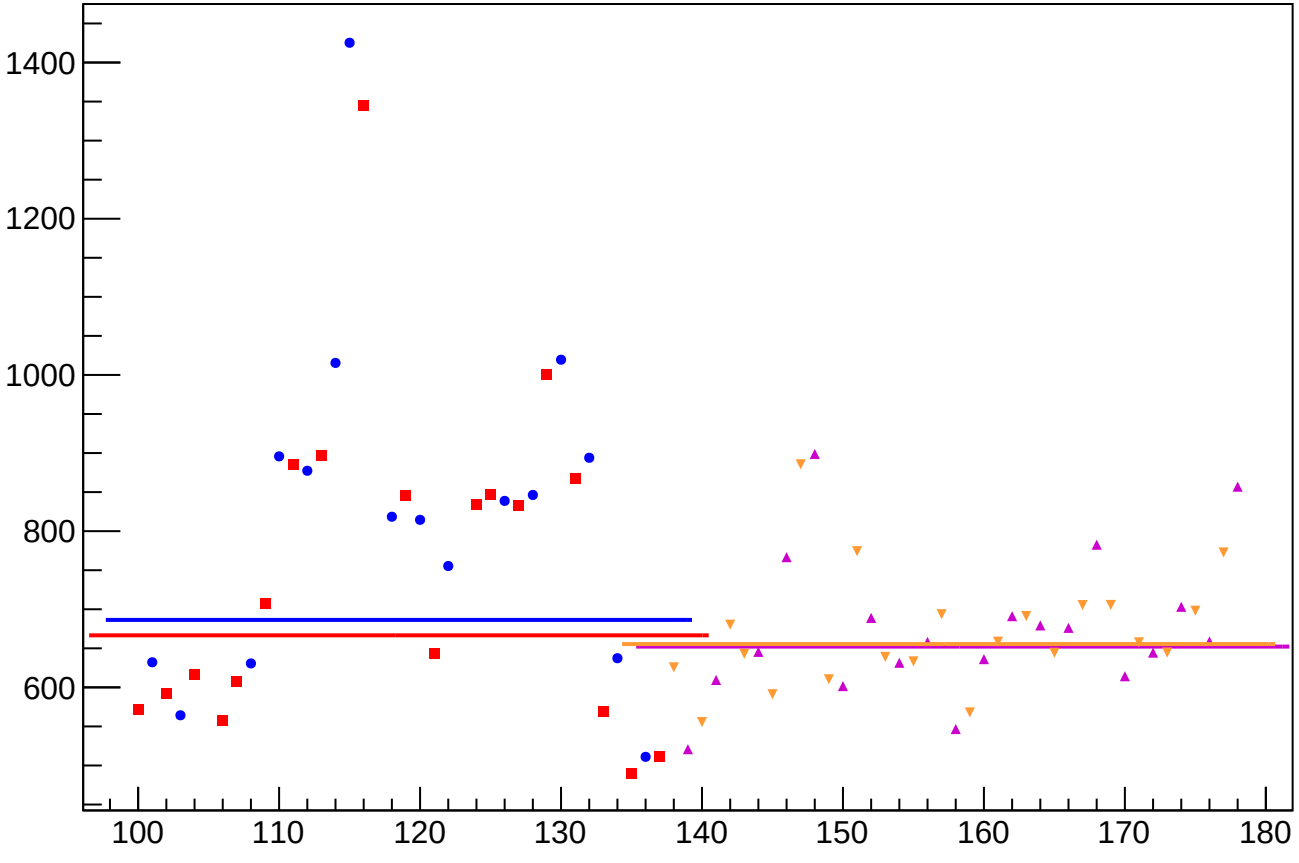
Right: 401.428+/-181.482 χ^2/NDF: 29.3/34

In: -13.428+/-138.579 χ^2/NDF:45.2/35

Out: -160.324+/-136.143 χ^2/NDF:46.2/39

All: -88.178+/-97.117 χ^2/NDF: 92.0/75

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: 652.210+/-0.115 χ^2/NDF:526074.1/19

Left: 653.844+/-0.081 χ^2/NDF: 875112.1/40

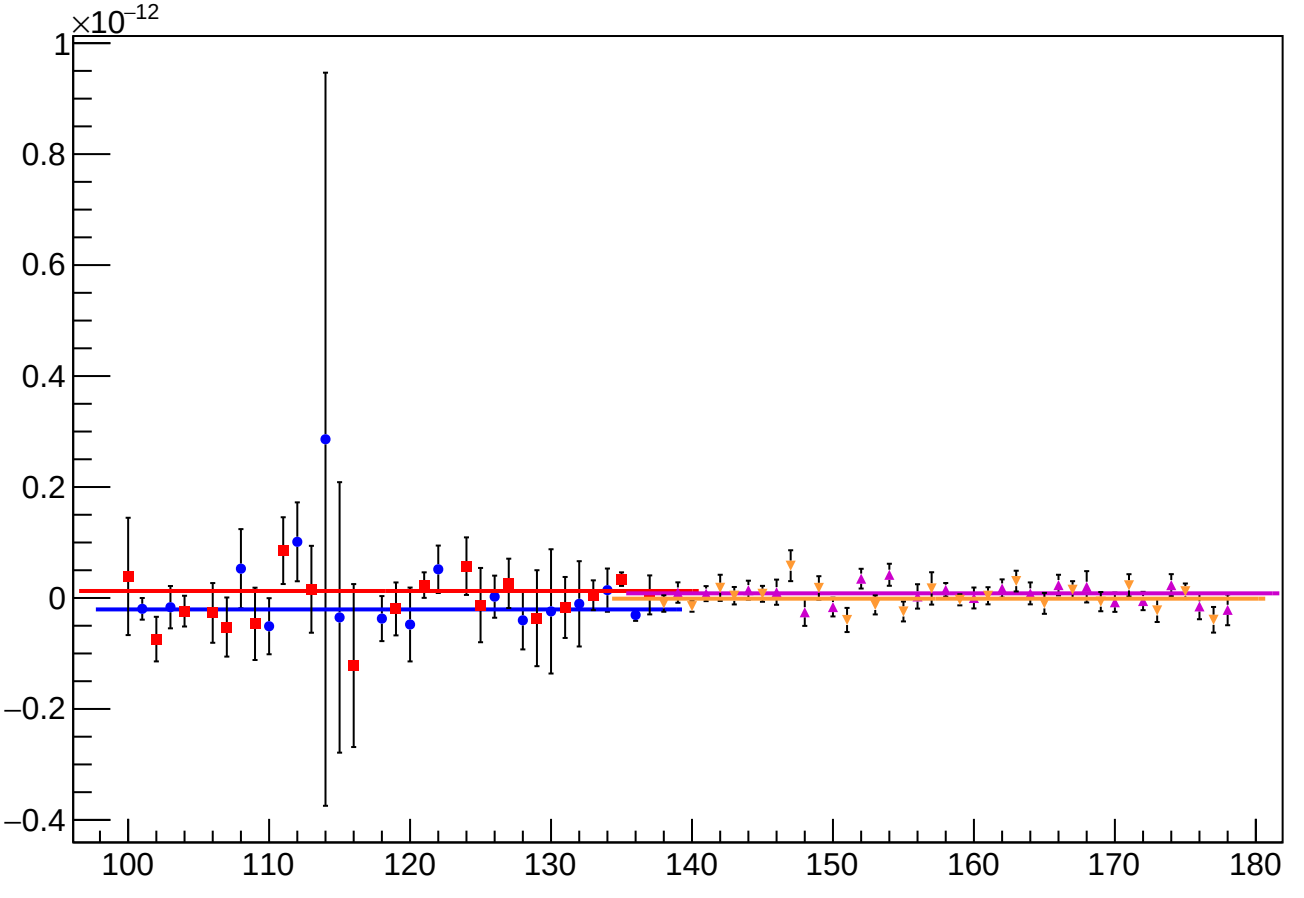
Right: 676.091+/-0.128 χ^2/NDF: 1532404.9/34

In: 661.749+/-0.098 χ^2/NDF:1300012.6/35

Out: 658.735+/-0.096 χ^2/NDF:1128470.0/39

All: 660.215+/-0.069 χ^2/NDF: 2428964.2/75

asym_sam_15_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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:15.2/19

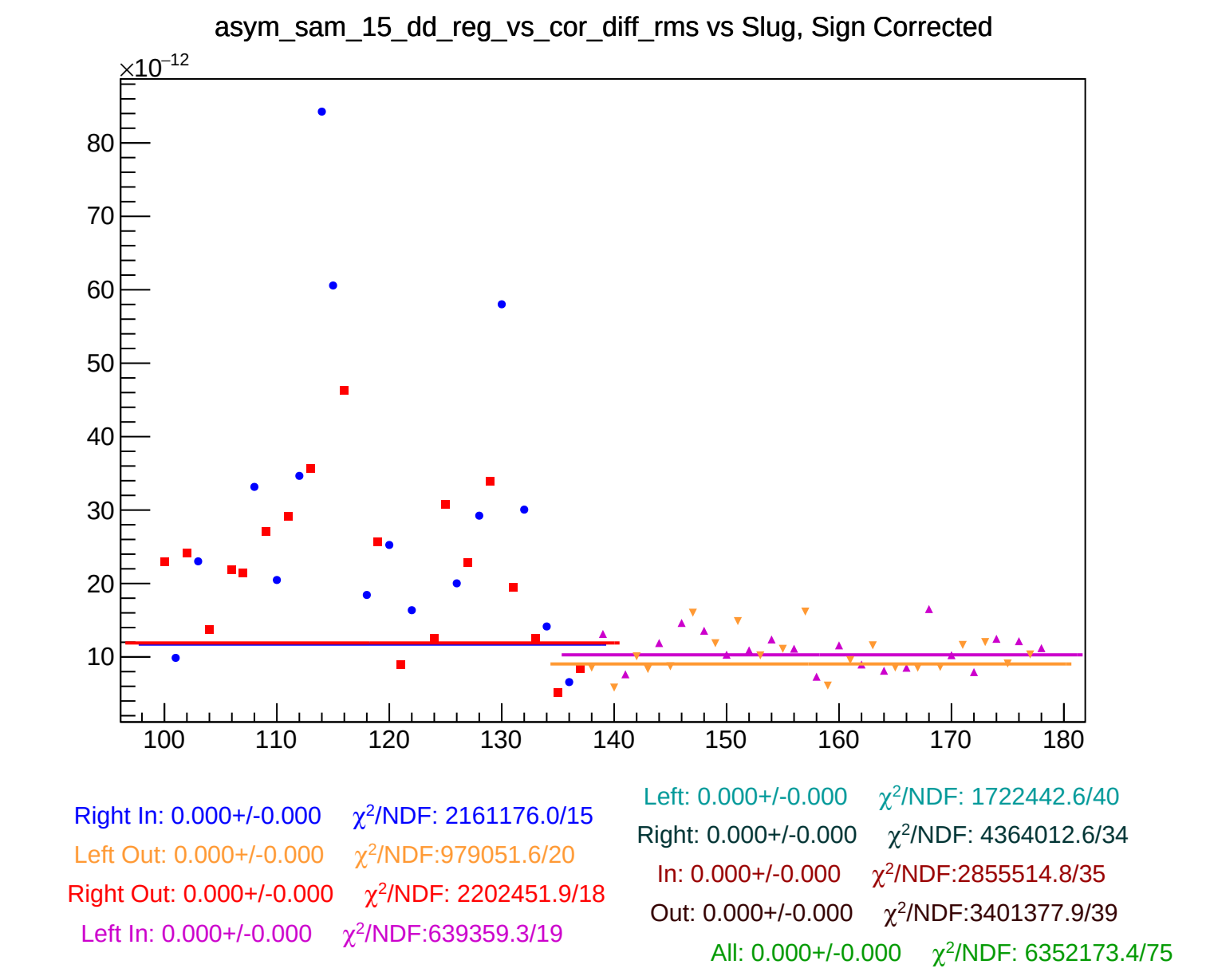
Left: 0.000+/-0.000 χ^2/NDF: 43.2/40

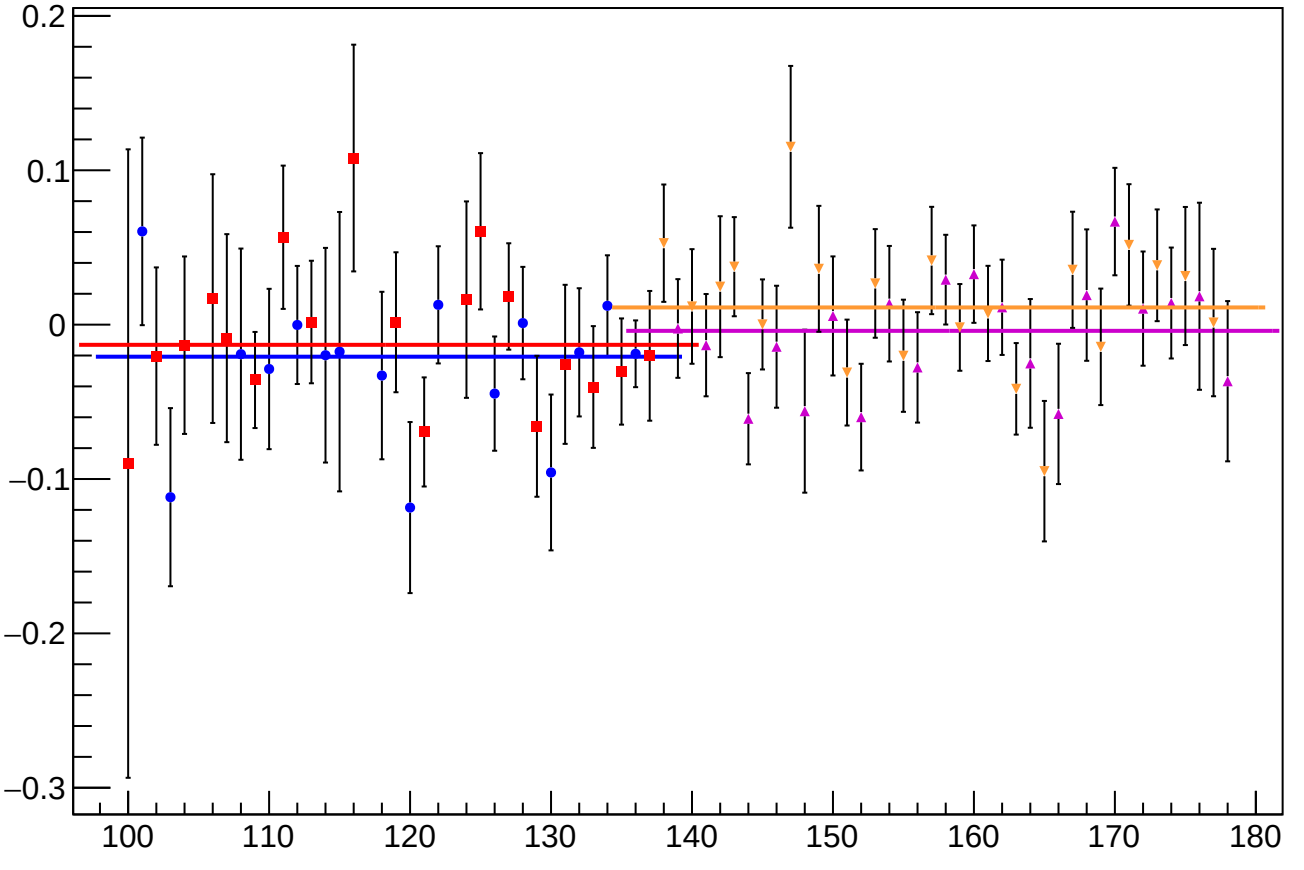
Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: 0.000+/-0.000 χ^2/NDF:35.9/35

Out: 0.000+/-0.000 χ^2/NDF:44.5/39

All: 0.000+/-0.000 χ^2/NDF: 80.5/75


asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
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:639359.3/19
Left: 0.000+/-0.000 χ²/NDF: 1722442.6/40
Right: 0.000+/-0.000 χ²/NDF: 4364012.6/34
In: 0.000+/-0.000 χ²/NDF:2855514.8/35
Out: 0.000+/-0.000 χ²/NDF:3401377.9/39
All: 0.000+/-0.000 χ²/NDF: 6352173.4/75



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: -0.004+/-0.008 χ^2/NDF:18.1/19

Left: 0.004+/-0.006 χ^2/NDF: 41.1/40

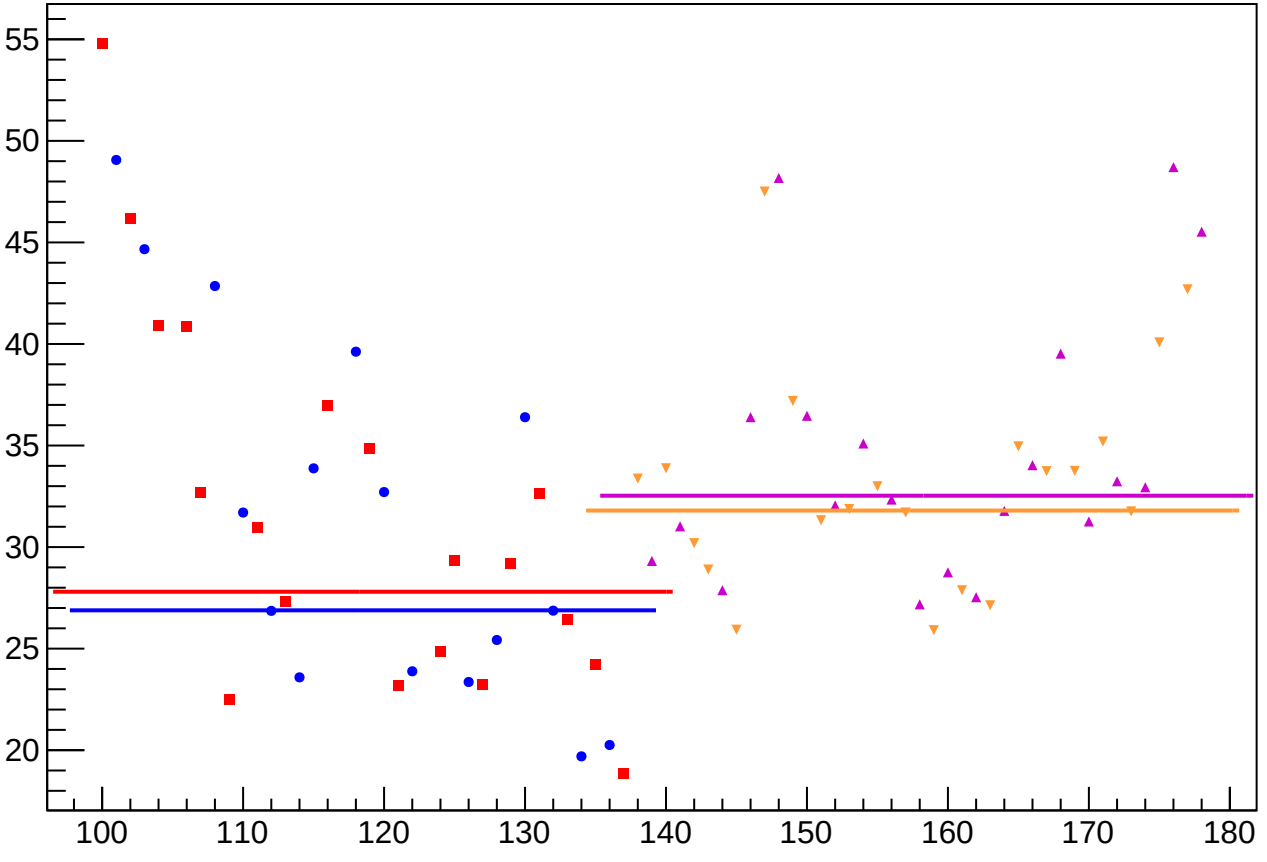
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.010+/-0.006 χ^2/NDF:32.2/35

Out: 0.002+/-0.006 χ^2/NDF:38.5/39

All: -0.004+/-0.005 χ^2/NDF: 72.7/75

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: 32.530+/-0.006 χ^2/NDF:776644.5/19

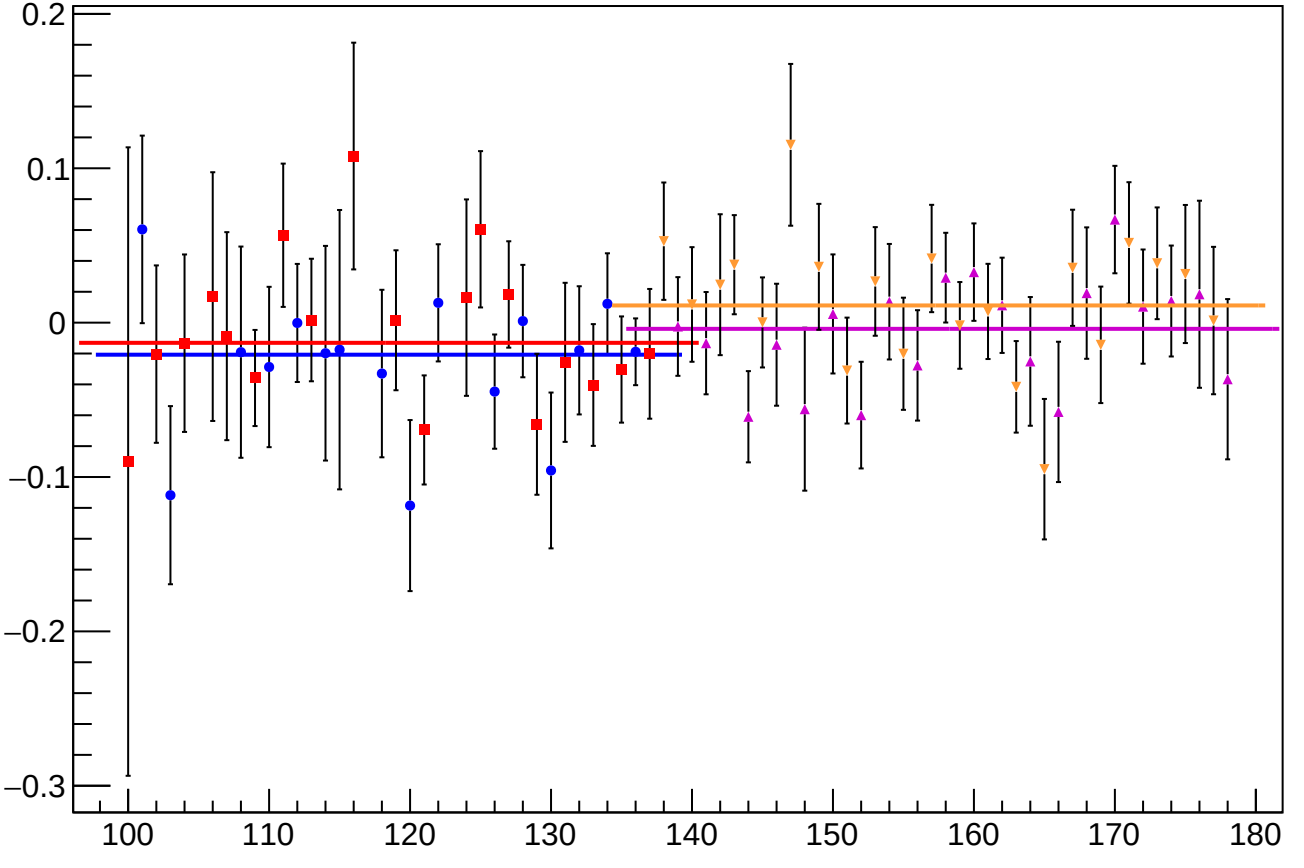
Left: 32.152+/-0.004 χ^2/NDF: 1489130.9/40

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 30.393+/-0.005 χ^2/NDF:2255688.9/35

Out: 30.357+/-0.004 χ^2/NDF:1651234.4/39

All: 30.375+/-0.003 χ^2/NDF: 3906954.8/75



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: -0.004+/-0.008 χ^2/NDF:18.1/19

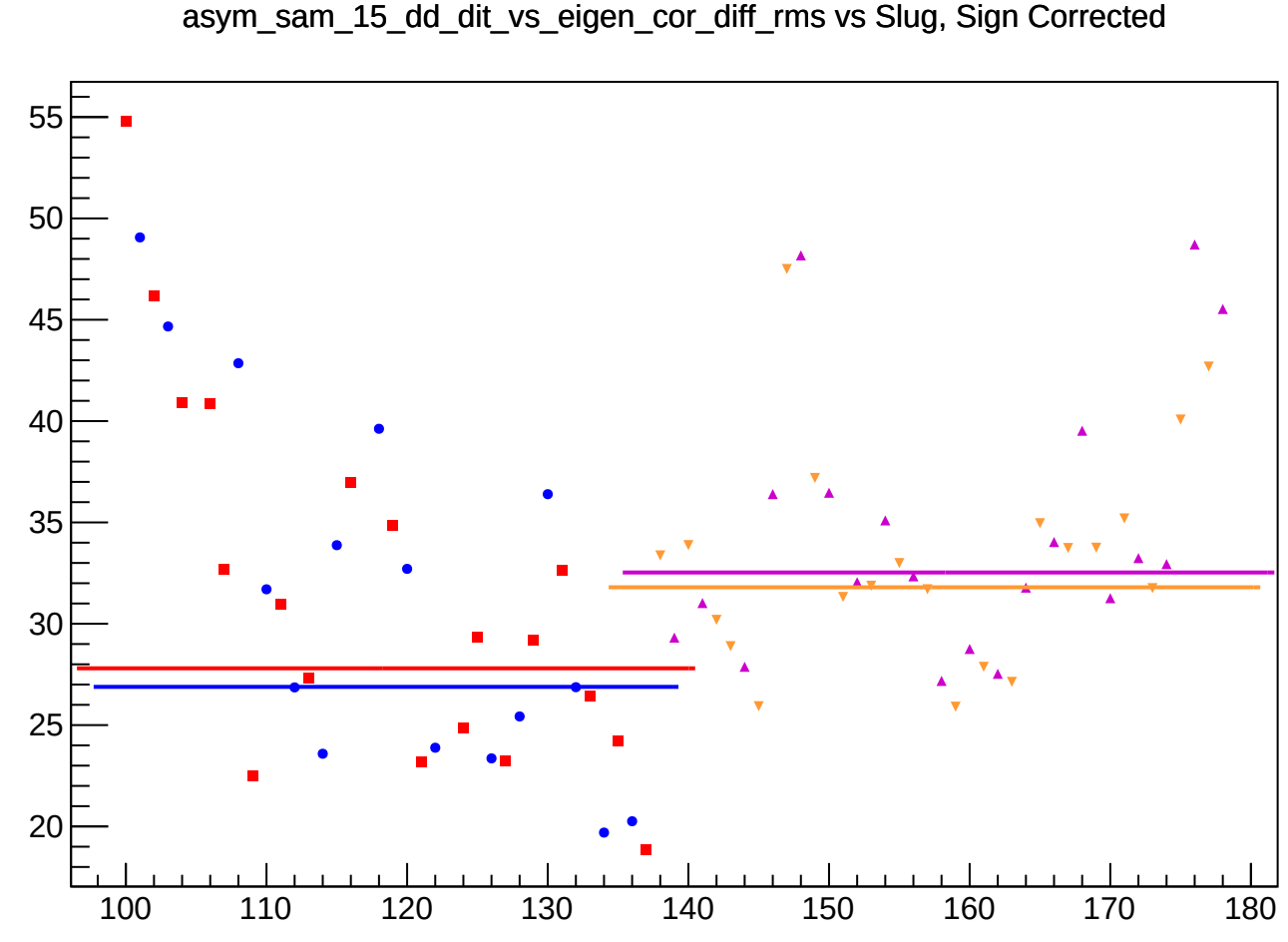
Left: 0.004+/-0.006 χ^2/NDF: 41.1/40

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.010+/-0.006 χ^2/NDF:32.2/35

Out: 0.002+/-0.006 χ^2/NDF:38.5/39

All: -0.004+/-0.005 χ^2/NDF: 72.7/75



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: 32.530+/-0.006 χ^2/NDF:776644.5/19

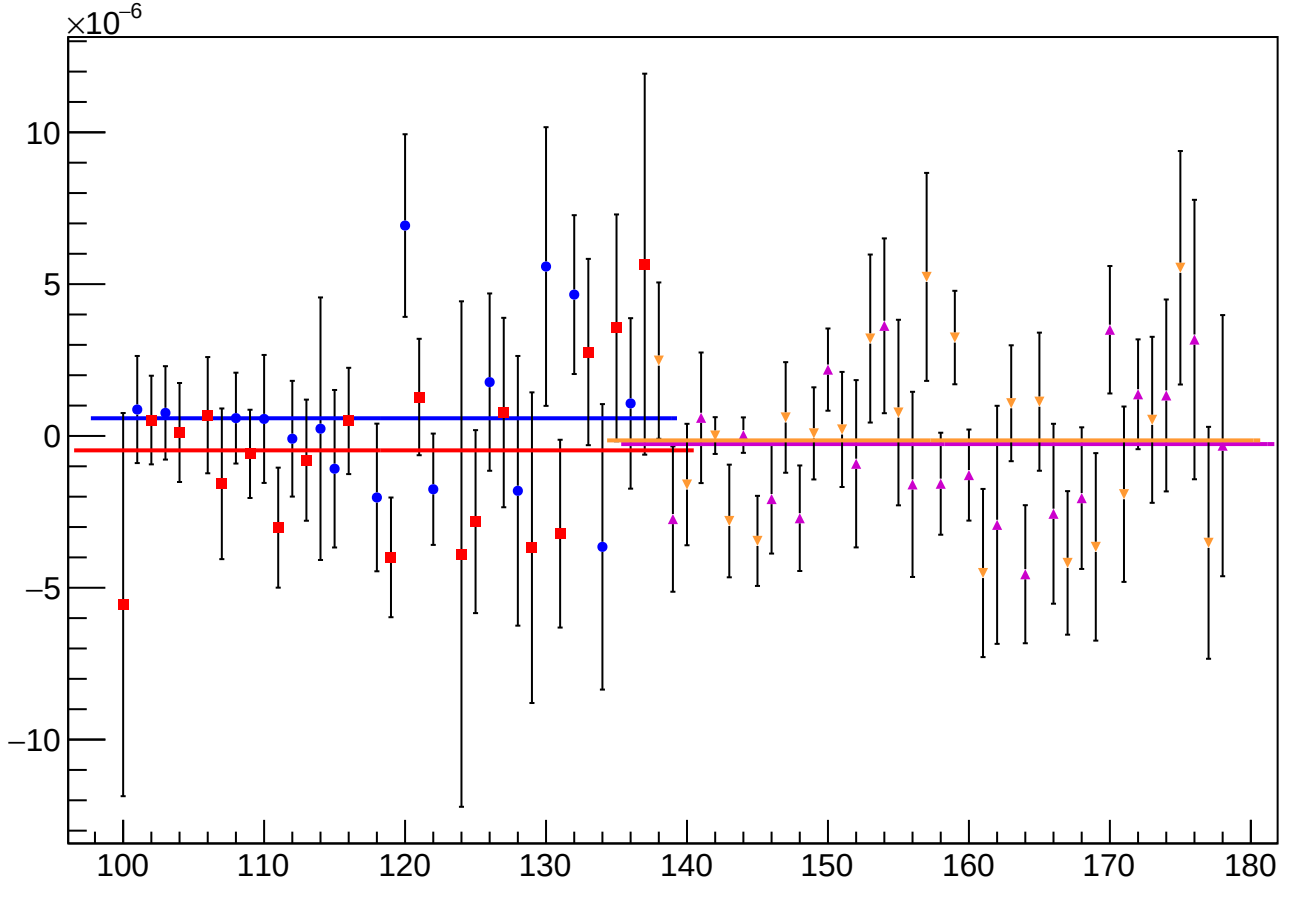
Left: 32.152+/-0.004 χ^2/NDF: 1489130.9/40

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 30.393+/-0.005 χ^2/NDF:2255688.9/35

Out: 30.357+/-0.004 χ^2/NDF:1651234.4/39

All: 30.375+/-0.003 χ^2/NDF: 3906954.8/75



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:21.0/19

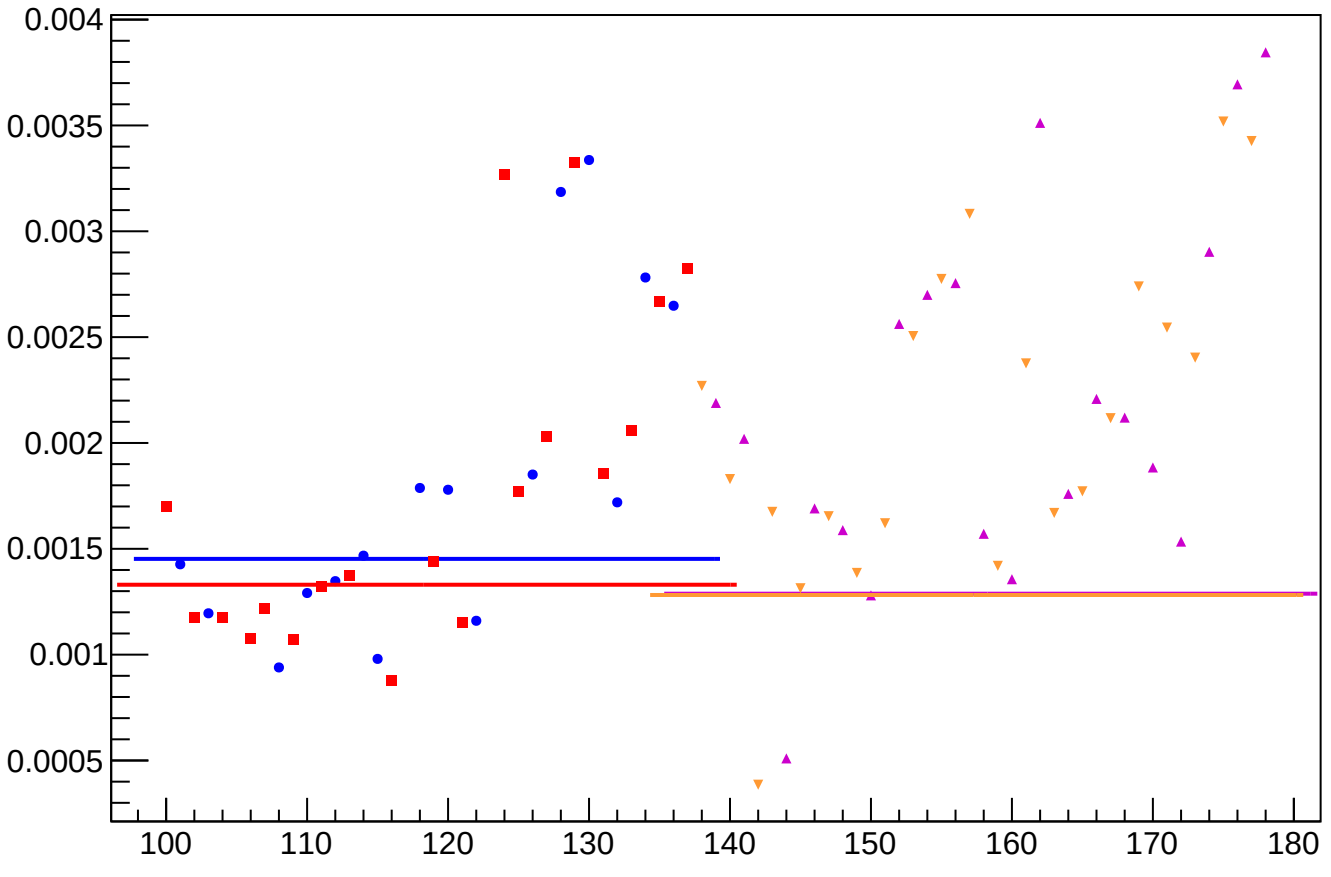
Left: -0.000+/-0.000 χ^2/NDF: 49.6/40

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:35.2/35

Out: -0.000+/-0.000 χ^2/NDF:42.0/39

All: -0.000+/-0.000 χ^2/NDF: 77.6/75



Right In: 0.001+/-0.000 χ^2/NDF: 1710487.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:9717300.7/20

Right Out: 0.001+/-0.000 χ^2/NDF: 1402821.5/18

Left In: 0.001+/-0.000 χ^2/NDF:8809256.7/19

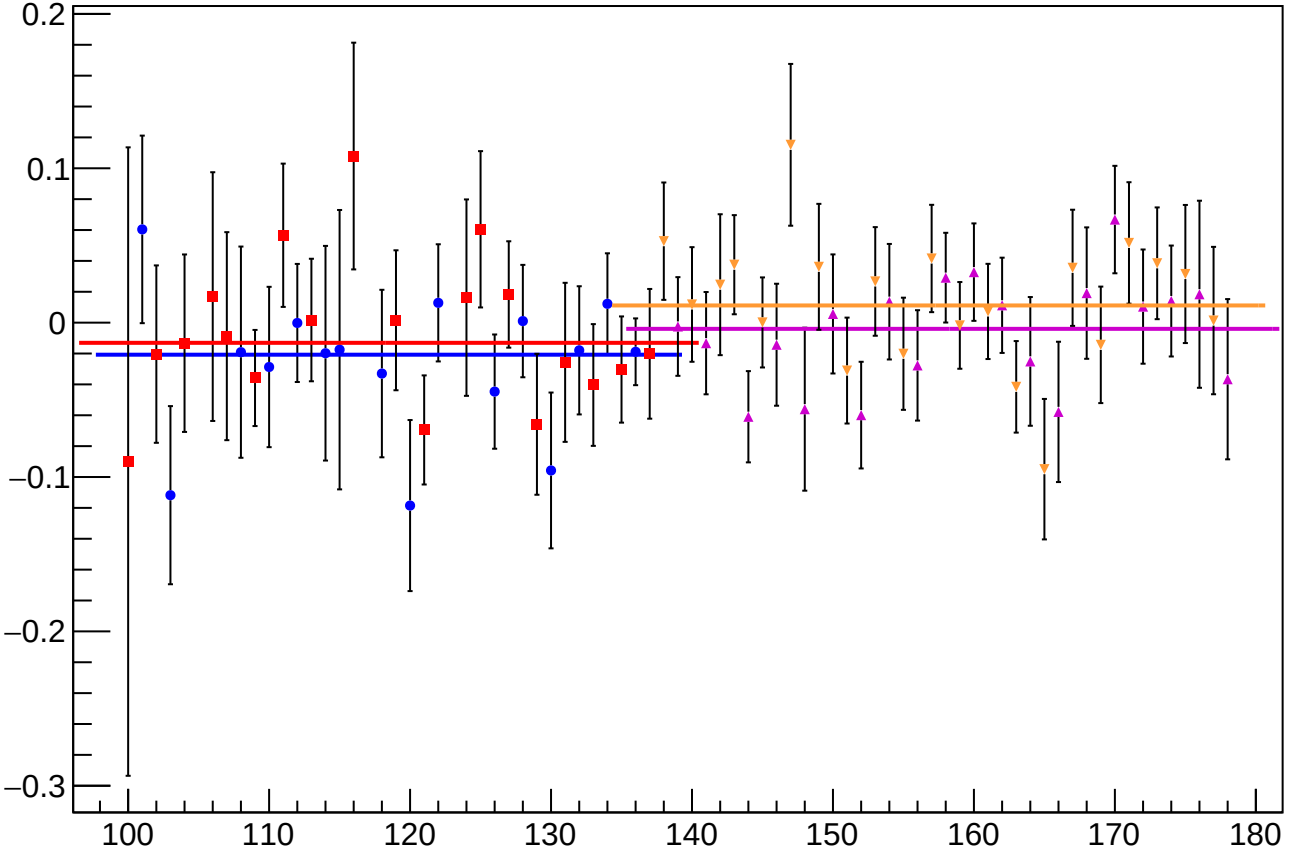
Left: 0.001+/-0.000 χ^2/NDF: 18526814.5/40

Right: 0.001+/-0.000 χ^2/NDF: 3162860.5/34

In: 0.001+/-0.000 χ^2/NDF:10633259.0/35

Out: 0.001+/-0.000 χ^2/NDF:11131457.9/39

All: 0.001+/-0.000 χ^2/NDF: 21780146.0/75



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: -0.004+/-0.008 χ^2/NDF:18.1/19

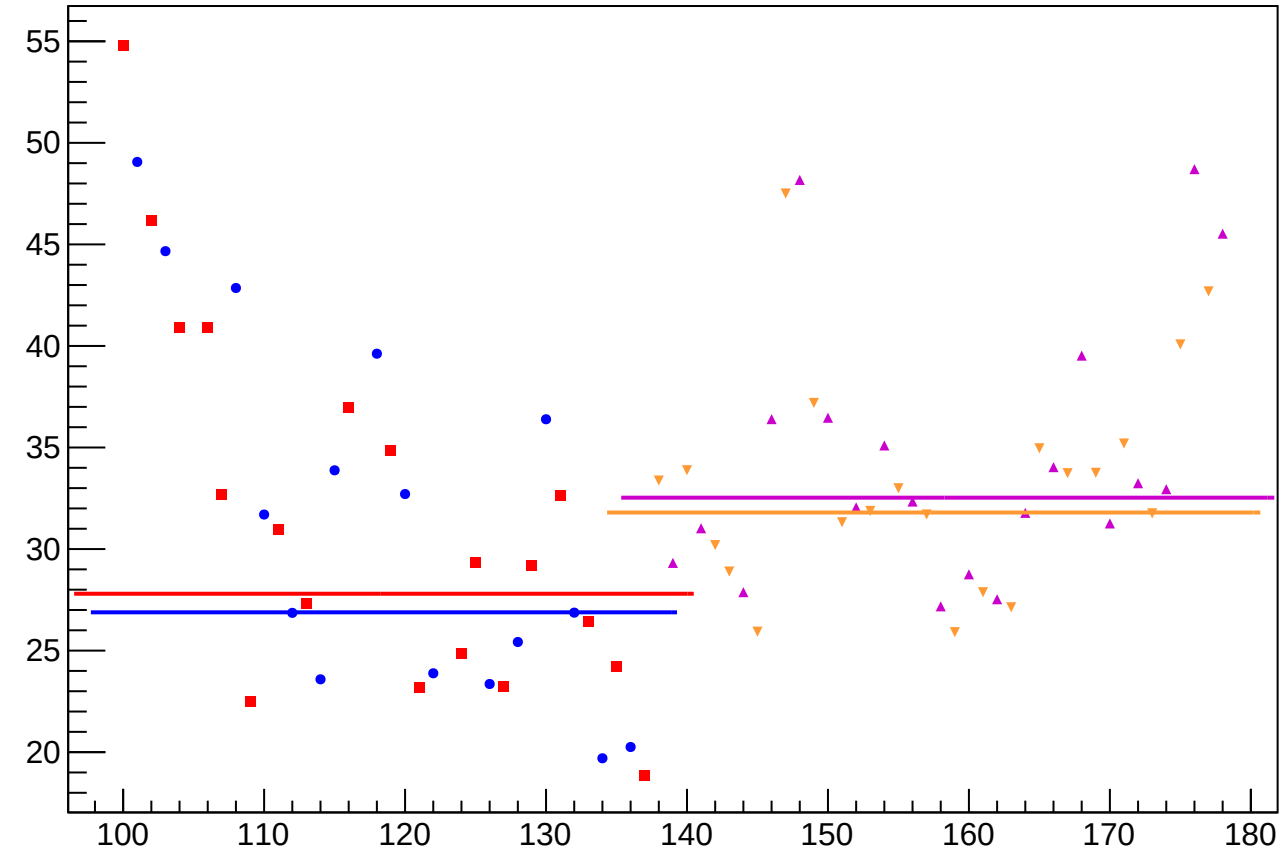
Left: 0.004+/-0.006 χ^2/NDF: 41.1/40

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.010+/-0.006 χ^2/NDF:32.2/35

Out: 0.002+/-0.006 χ^2/NDF:38.5/39

All: -0.004+/-0.005 χ^2/NDF: 72.7/75



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: 32.530+/-0.006 χ^2/NDF:776699.6/19

Left: 32.152+/-0.004 χ^2/NDF: 1489288.3/40

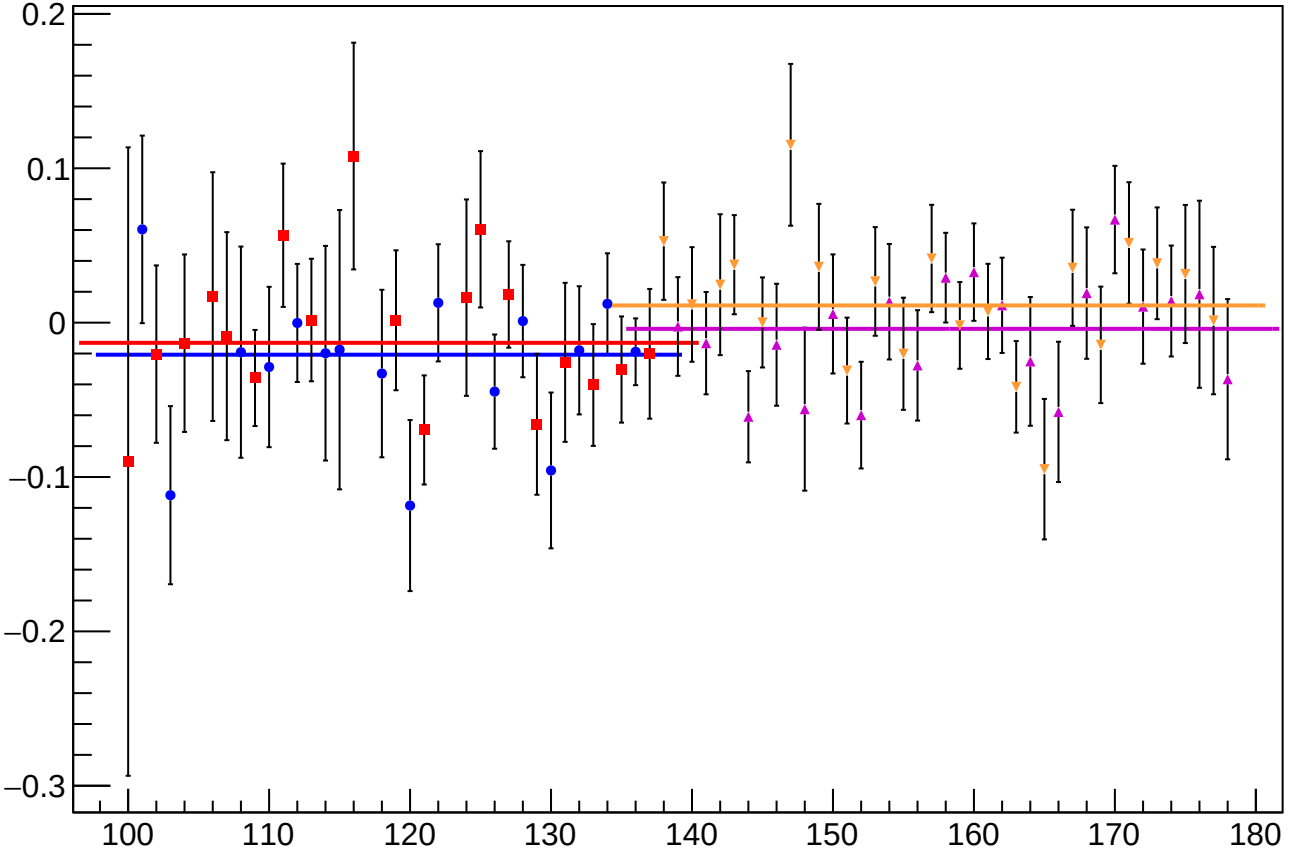
Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 30.393+/-0.005 χ^2/NDF:2255881.2/35

Out: 30.357+/-0.004 χ^2/NDF:1651571.0/39

All: 30.374+/-0.003 χ^2/NDF: 3907484.0/75

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: -0.004+/-0.008 χ^2/NDF:18.1/19

Left: 0.004+/-0.006 χ^2/NDF: 41.1/40

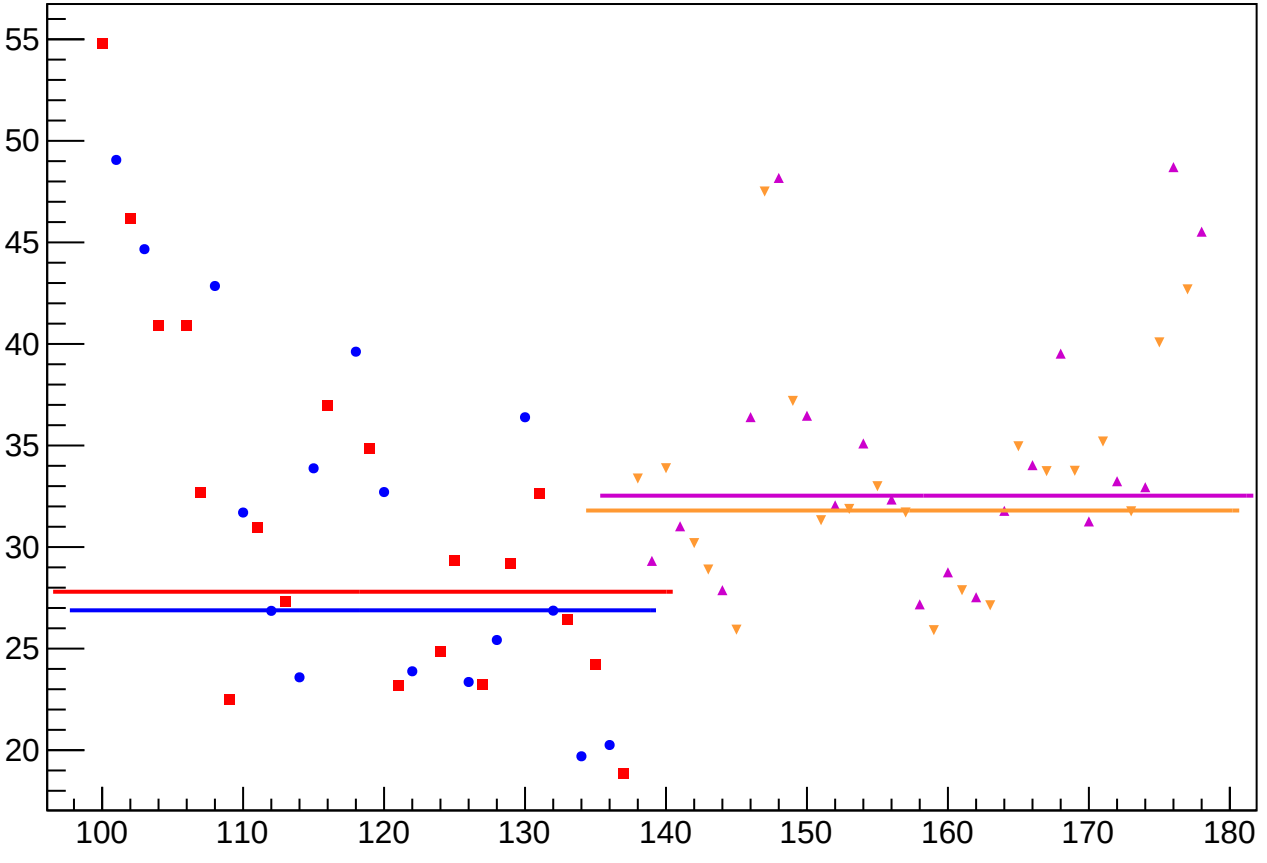
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.010+/-0.006 χ^2/NDF:32.2/35

Out: 0.002+/-0.006 χ^2/NDF:38.5/39

All: -0.004+/-0.005 χ^2/NDF: 72.7/75

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: 32.530+/-0.006 χ^2/NDF:776699.6/19

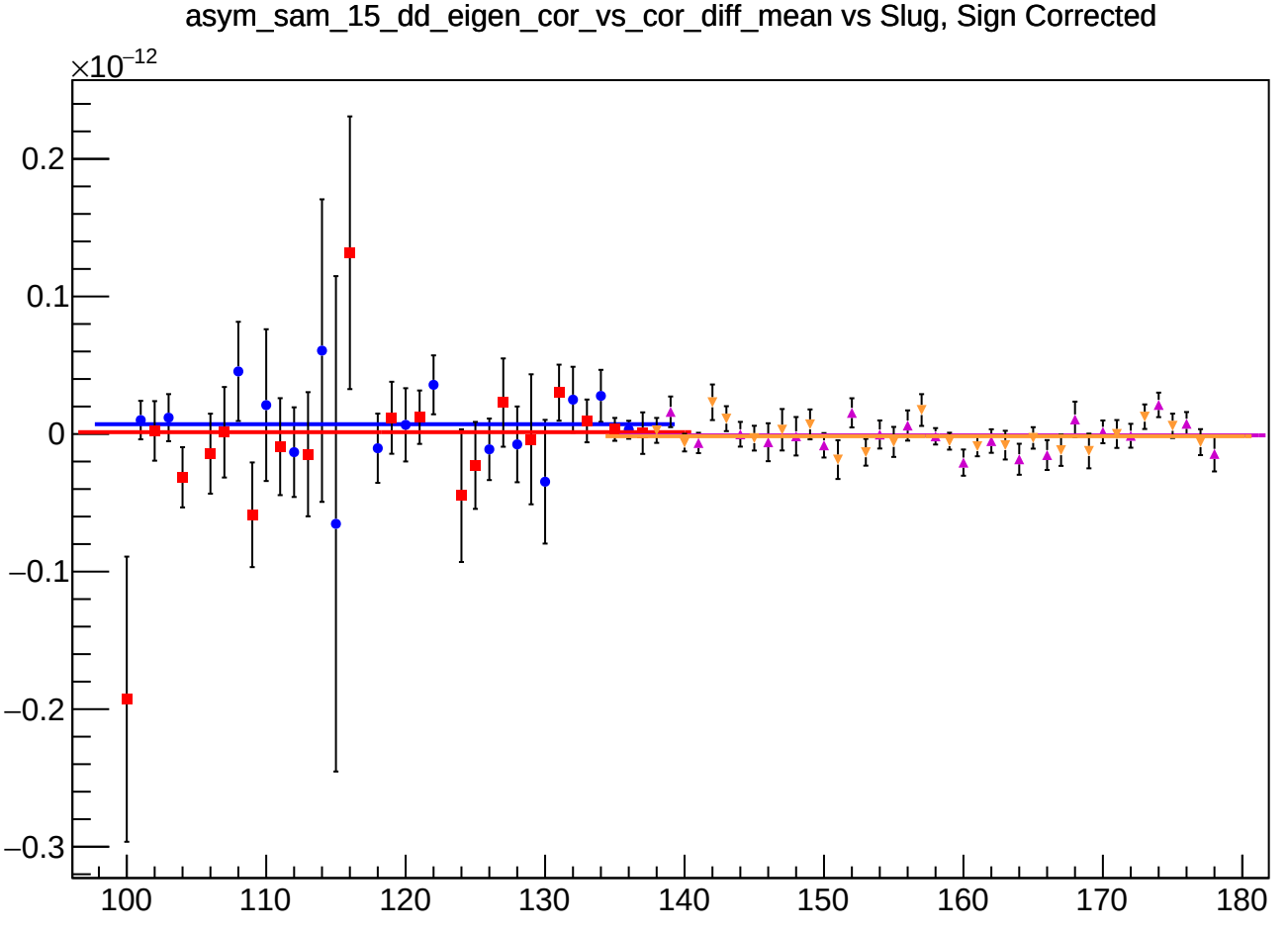
Left: 32.152+/-0.004 χ^2/NDF: 1489288.3/40

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 30.393+/-0.005 χ^2/NDF:2255881.2/35

Out: 30.357+/-0.004 χ^2/NDF:1651571.0/39

All: 30.374+/-0.003 χ^2/NDF: 3907484.0/75



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:24.4/19

Left: -0.000+/-0.000 χ^2/NDF: 44.1/40

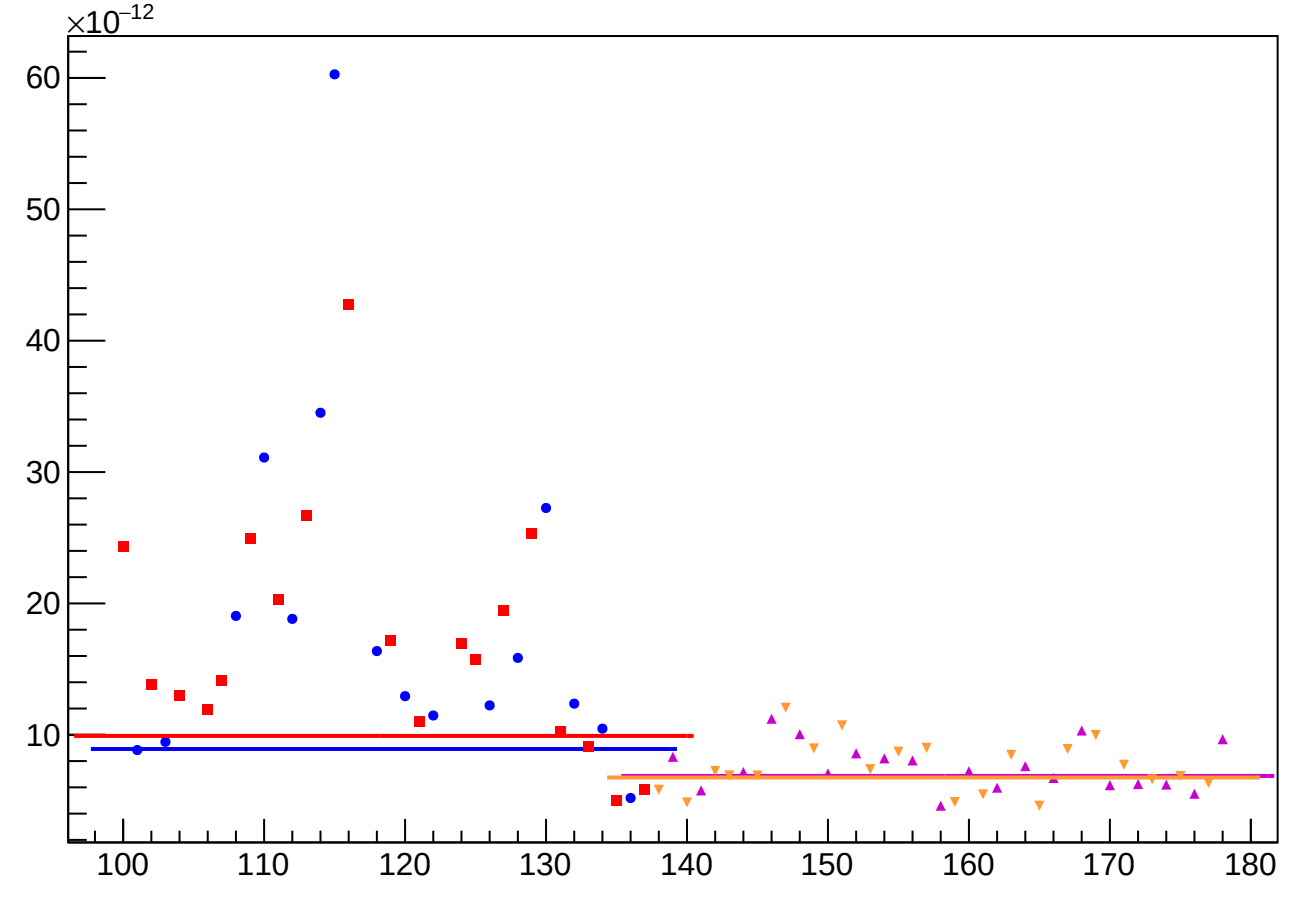
Right: 0.000+/-0.000 χ^2/NDF: 24.3/34

In: 0.000+/-0.000 χ^2/NDF:35.3/35

Out: -0.000+/-0.000 χ^2/NDF:35.2/39

All: -0.000+/-0.000 χ^2/NDF: 70.8/75

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:1142090.0/19

Left: 0.000+/-0.000 χ^2/NDF: 2665839.6/40

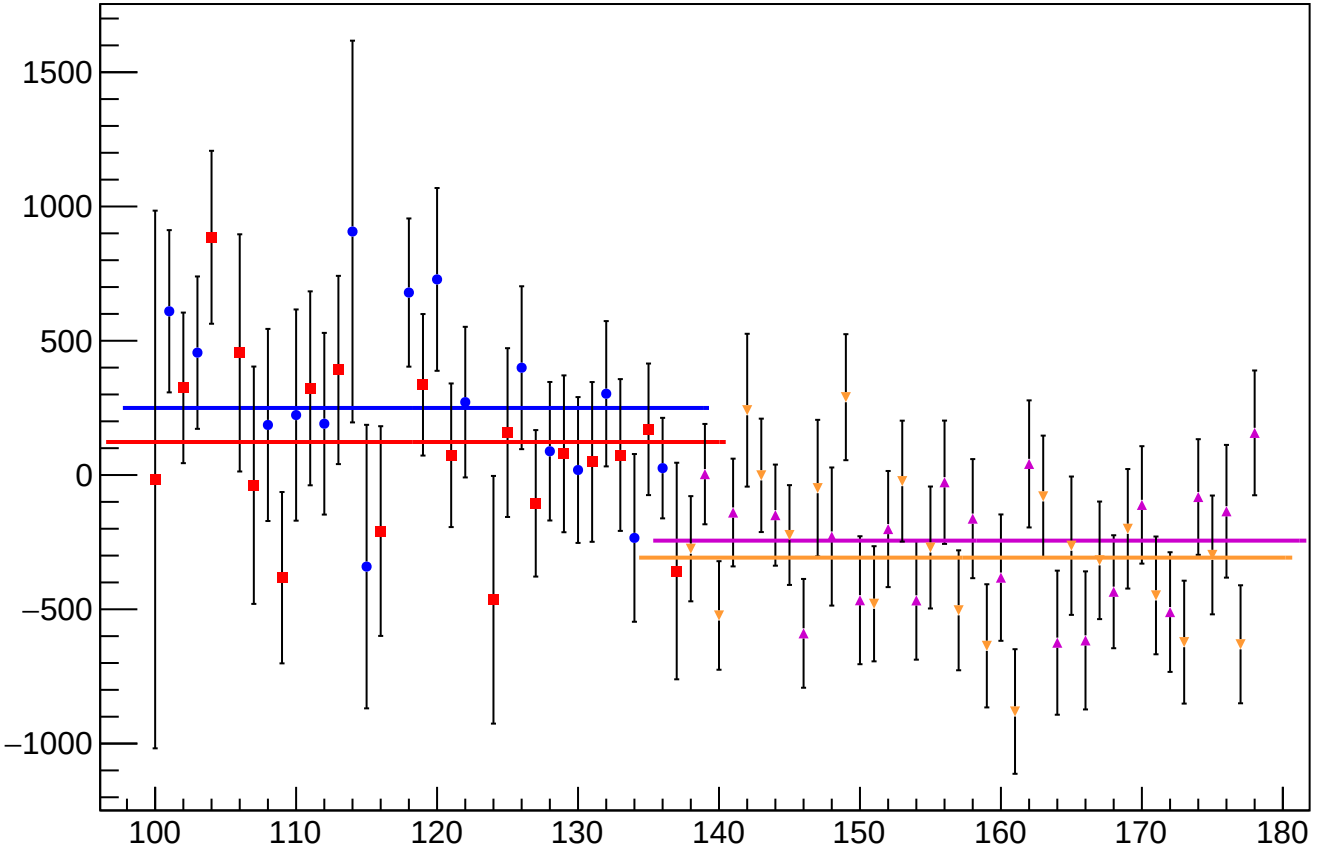
Right: 0.000+/-0.000 χ^2/NDF: 5116378.6/34

In: 0.000+/-0.000 χ^2/NDF:3875845.3/35

Out: 0.000+/-0.000 χ^2/NDF:4891450.0/39

All: 0.000+/-0.000 χ^2/NDF: 8767440.7/75

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: -244.306+/-49.687 χ^2/NDF:20.4/19

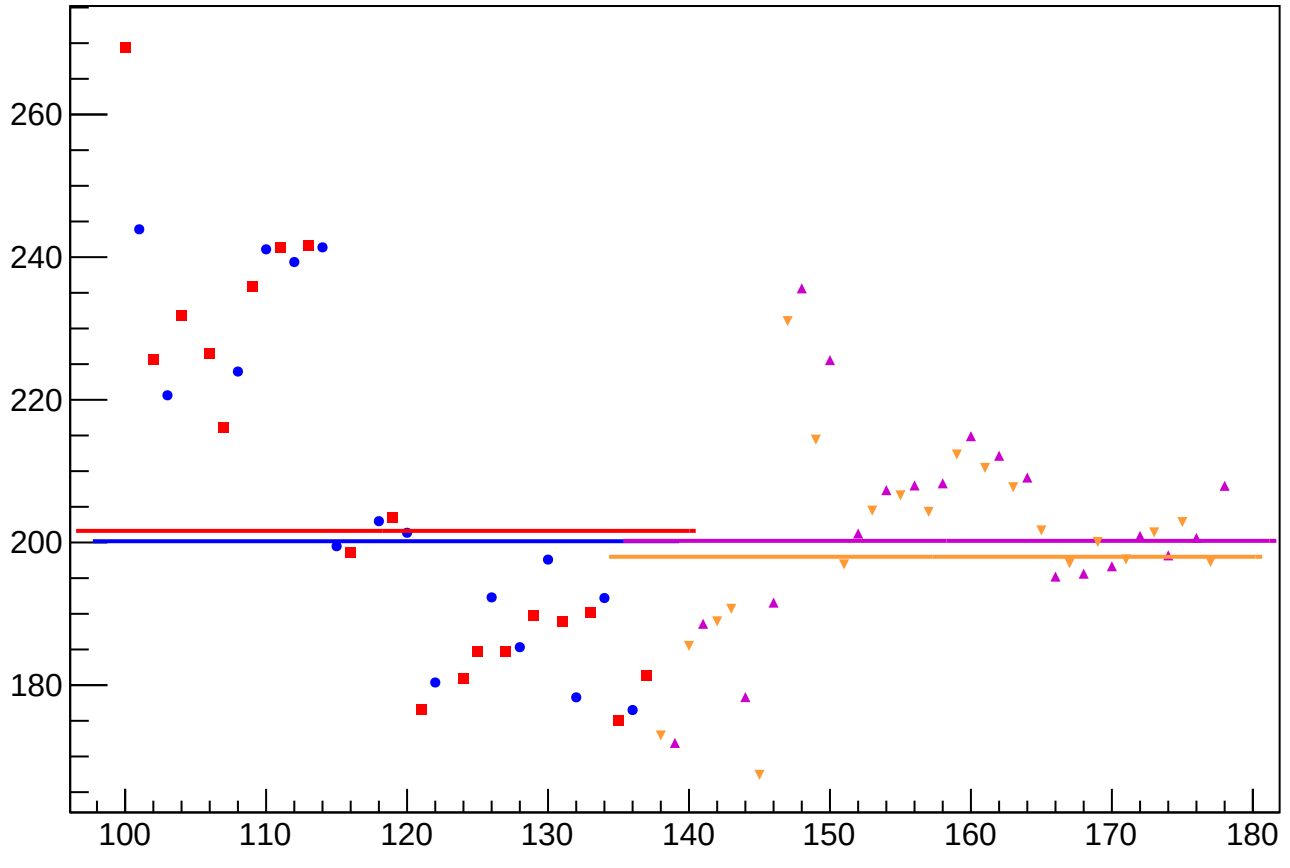
Left: -276.649+/-34.749 χ^2/NDF: 52.9/40

Right: 185.946+/-52.766 χ^2/NDF: 30.8/34

In: -93.262+/-41.401 χ^2/NDF:64.4/35

Out: -178.692+/-40.693 χ^2/NDF:70.7/39

All: -136.714+/-29.021 χ^2/NDF: 137.2/75



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: 200.227+/-0.035 χ^2/NDF:170664.6/19

Left: 199.087+/-0.025 χ^2/NDF: 340710.8/40

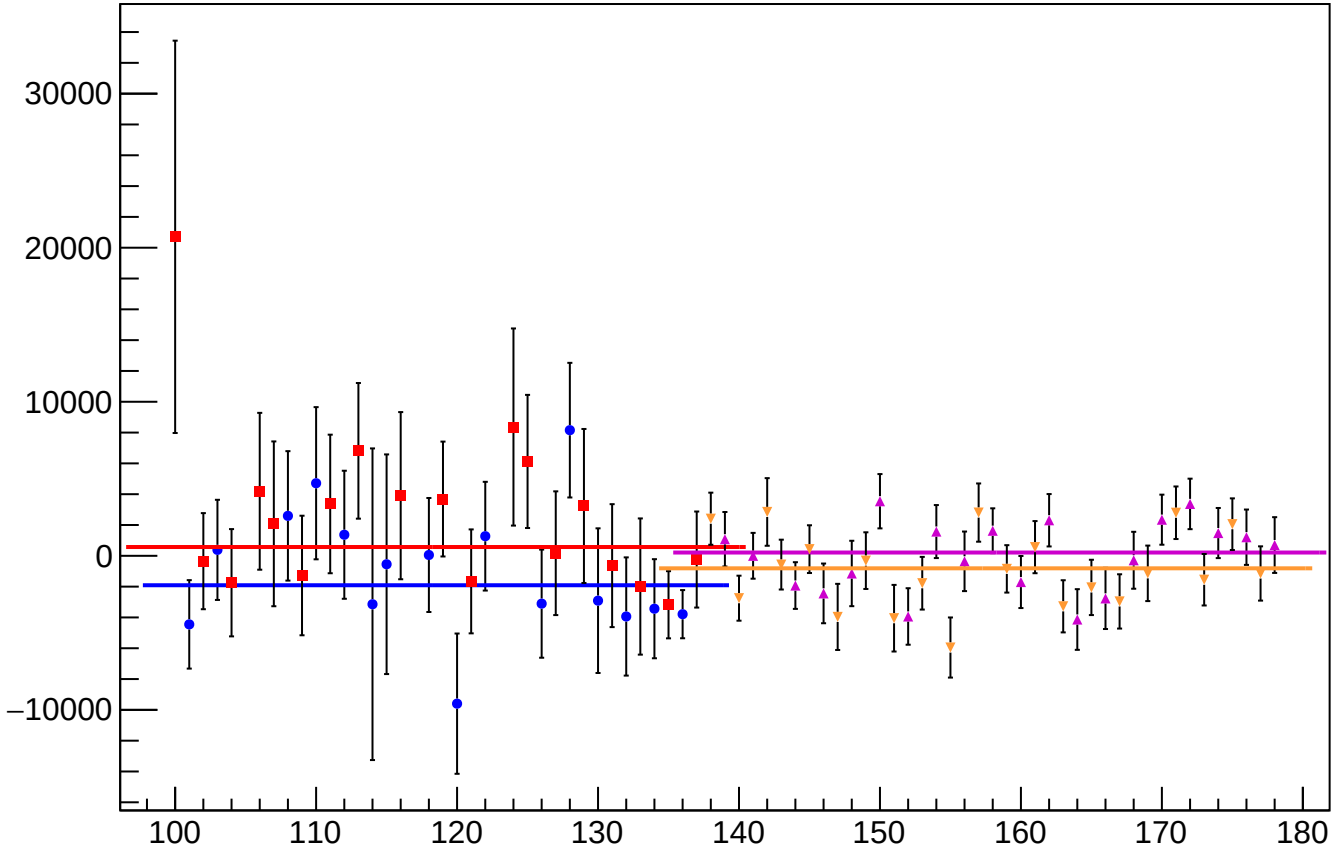
Right: 200.907+/-0.037 χ^2/NDF: 378624.7/34

In: 200.211+/-0.029 χ^2/NDF:351666.6/35

Out: 199.084+/-0.029 χ^2/NDF:368572.6/39

All: 199.638+/-0.021 χ^2/NDF: 720994.2/75

asym_sam_26_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: -811.551+/-381.335 χ^2/NDF:36.6/20

Right Out: 570.946+/-900.451 χ^2/NDF: 14.6/18

Left In: 213.098+/-388.144 χ^2/NDF:31.3/19

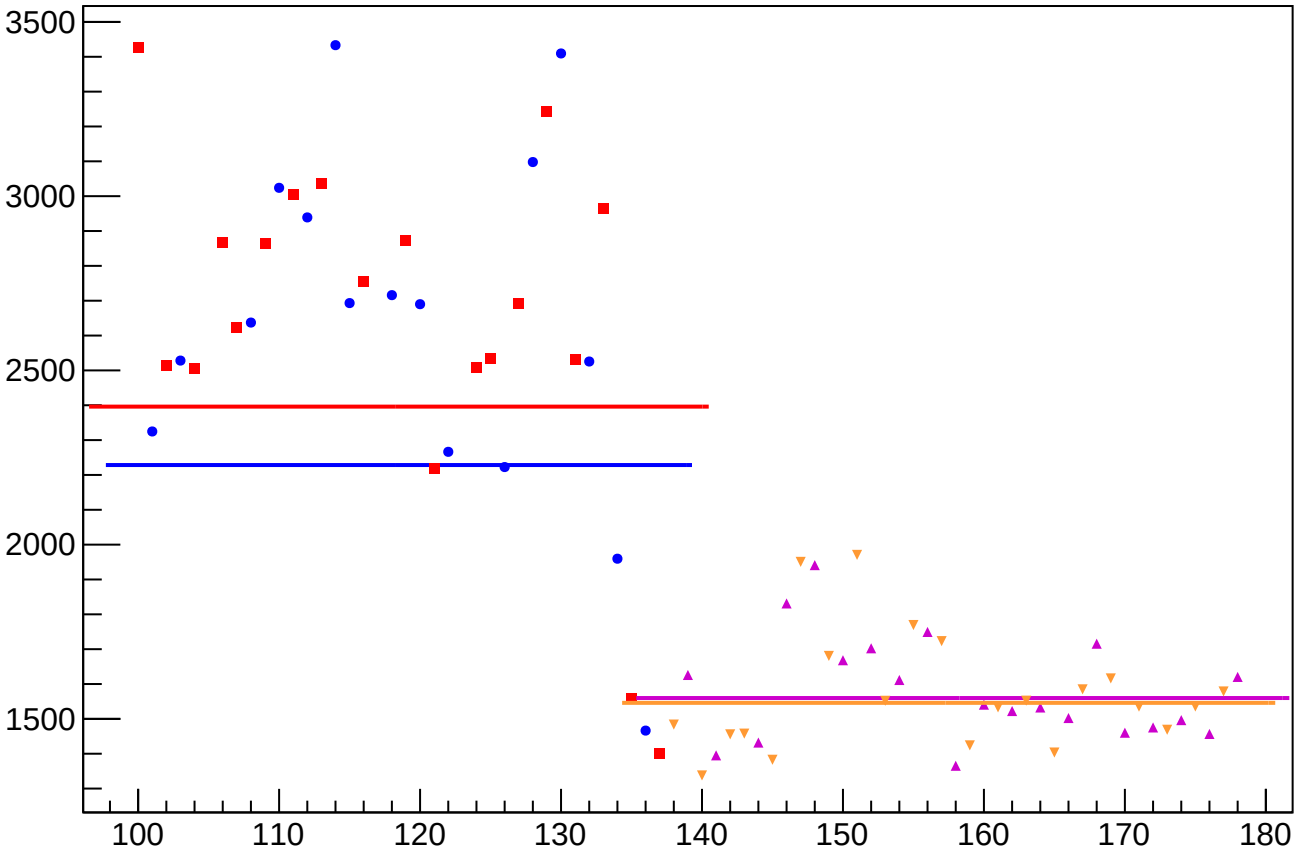
Left: -308.292+/-272.020 χ^2/NDF: 71.5/40

Right: -728.000+/-621.575 χ^2/NDF: 34.9/34

In: -146.881+/-353.717 χ^2/NDF:52.6/35

Out: -601.311+/-351.145 χ^2/NDF:53.3/39

All: -375.754+/-249.201 χ^2/NDF: 106.7/75



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: 1559.808+/-0.274 χ^2/NDF:263915.1/19

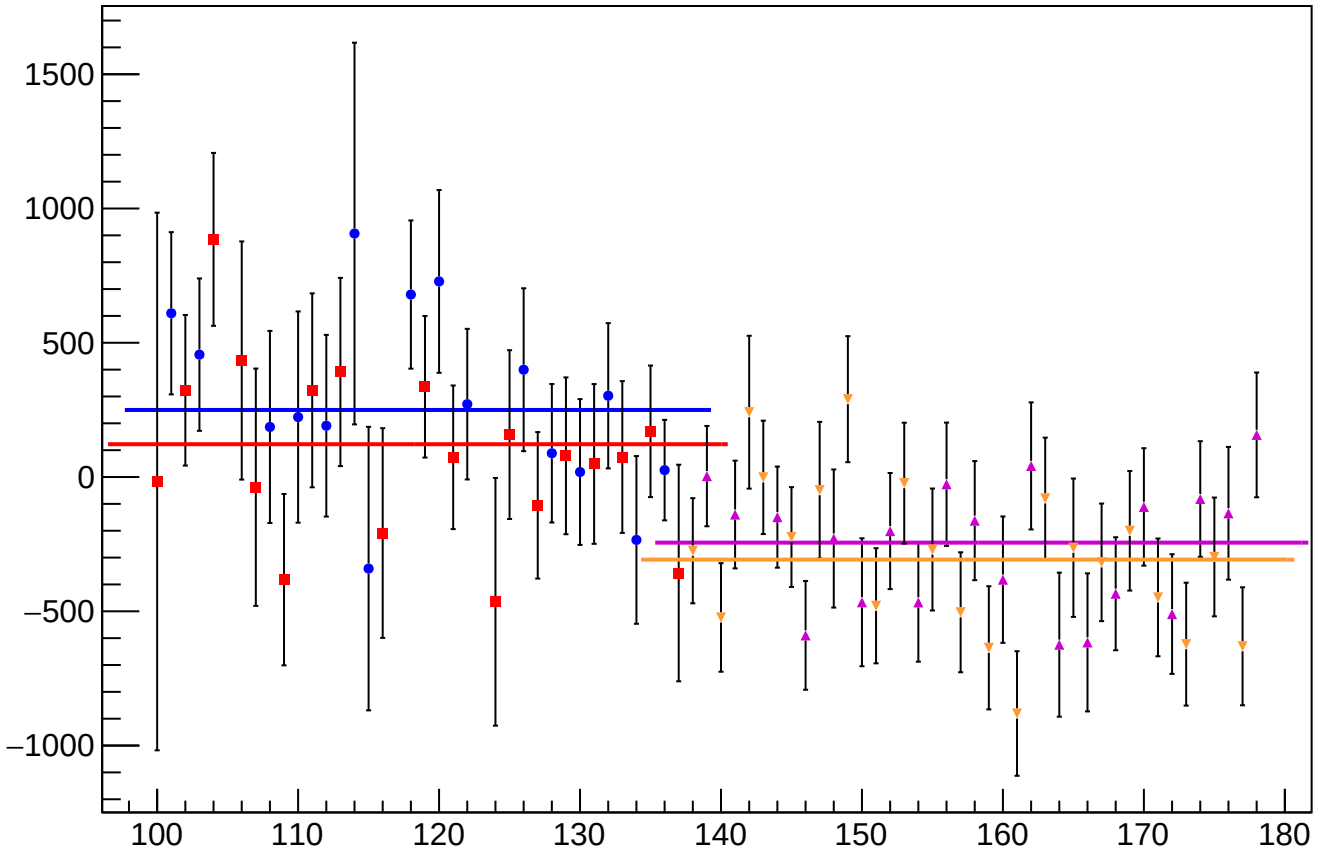
Left: 1552.774+/-0.192 χ^2/NDF: 577278.2/40

Right: 2308.317+/-0.440 χ^2/NDF: 1783390.1/34

In: 1673.157+/-0.250 χ^2/NDF:2217677.2/35

Out: 1675.261+/-0.248 χ^2/NDF:2622997.6/39

All: 1674.217+/-0.176 χ^2/NDF: 4840710.4/75



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: -244.312+/-49.687 χ^2/NDF:20.4/19

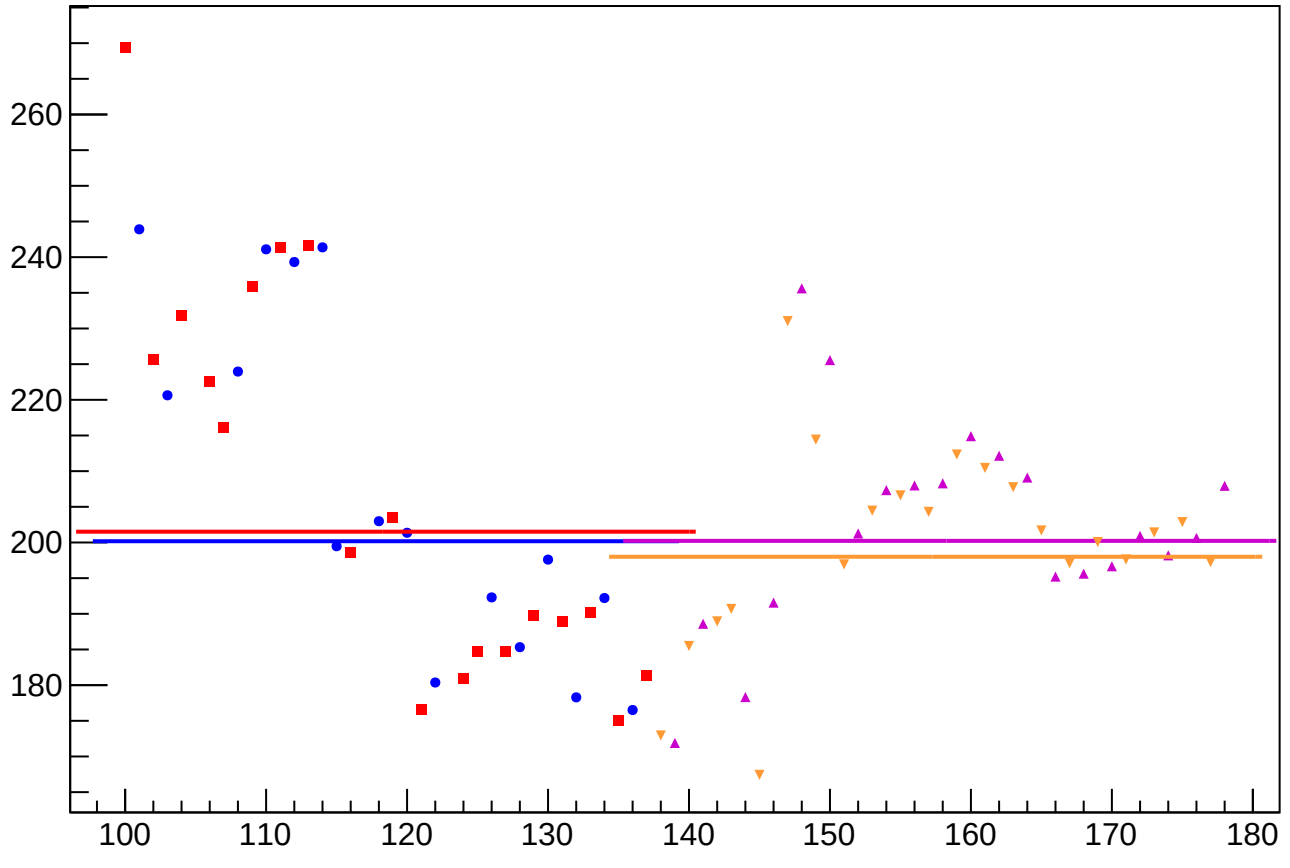
Left: -276.651+/-34.749 χ^2/NDF: 52.9/40

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -93.266+/-41.401 χ^2/NDF:64.4/35

Out: -178.950+/-40.695 χ^2/NDF:70.5/39

All: -136.844+/-29.022 χ^2/NDF: 137.1/75



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: 200.227+/-0.035 χ^2/NDF:170664.7/19

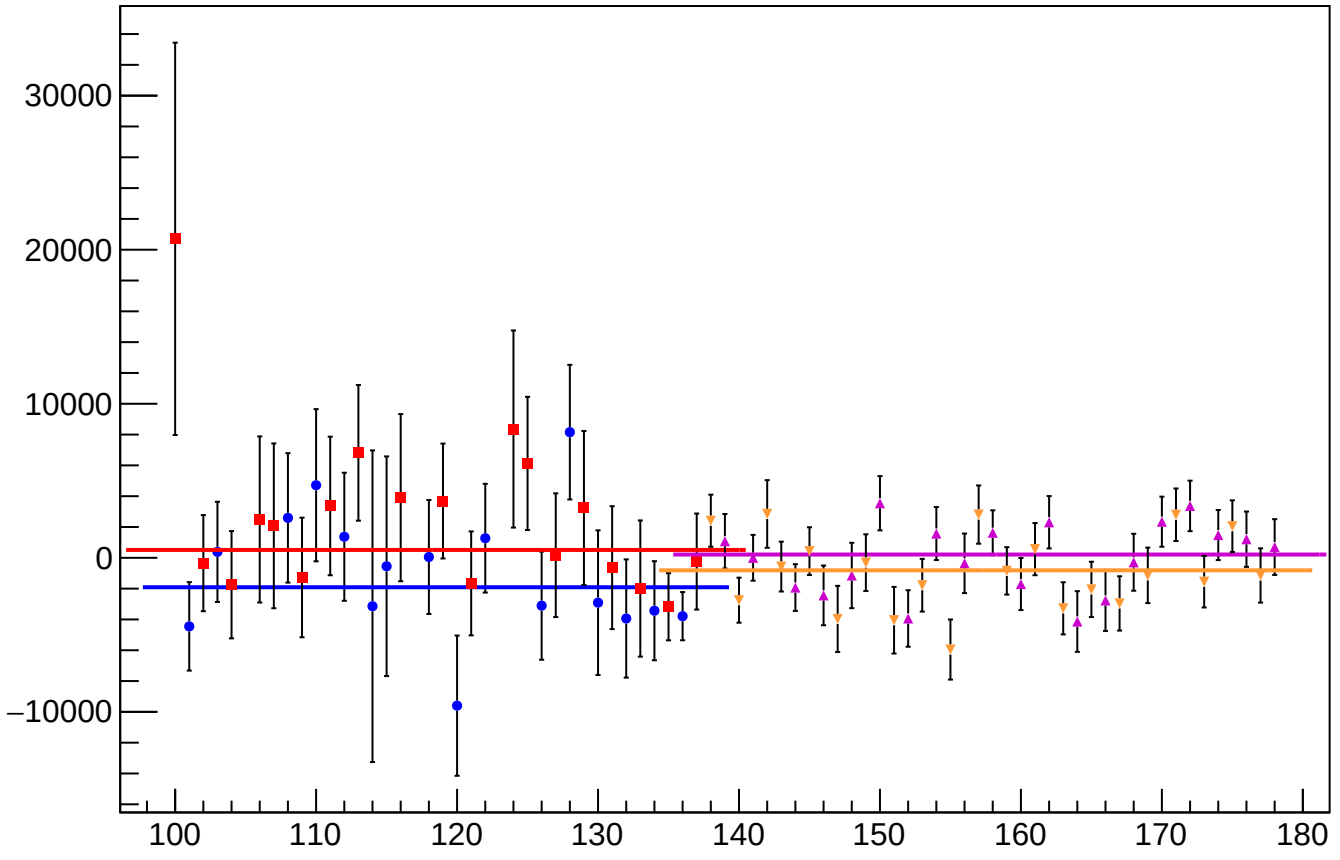
Left: 199.087+/-0.025 χ^2/NDF: 340710.9/40

Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 200.211+/-0.029 χ^2/NDF:351666.9/35

Out: 199.050+/-0.029 χ^2/NDF:366553.2/39

All: 199.621+/-0.021 χ^2/NDF: 719021.3/75



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: 213.100+/-388.144 χ^2/NDF:31.3/19

Left: -308.292+/-272.020 χ^2/NDF: 71.5/40

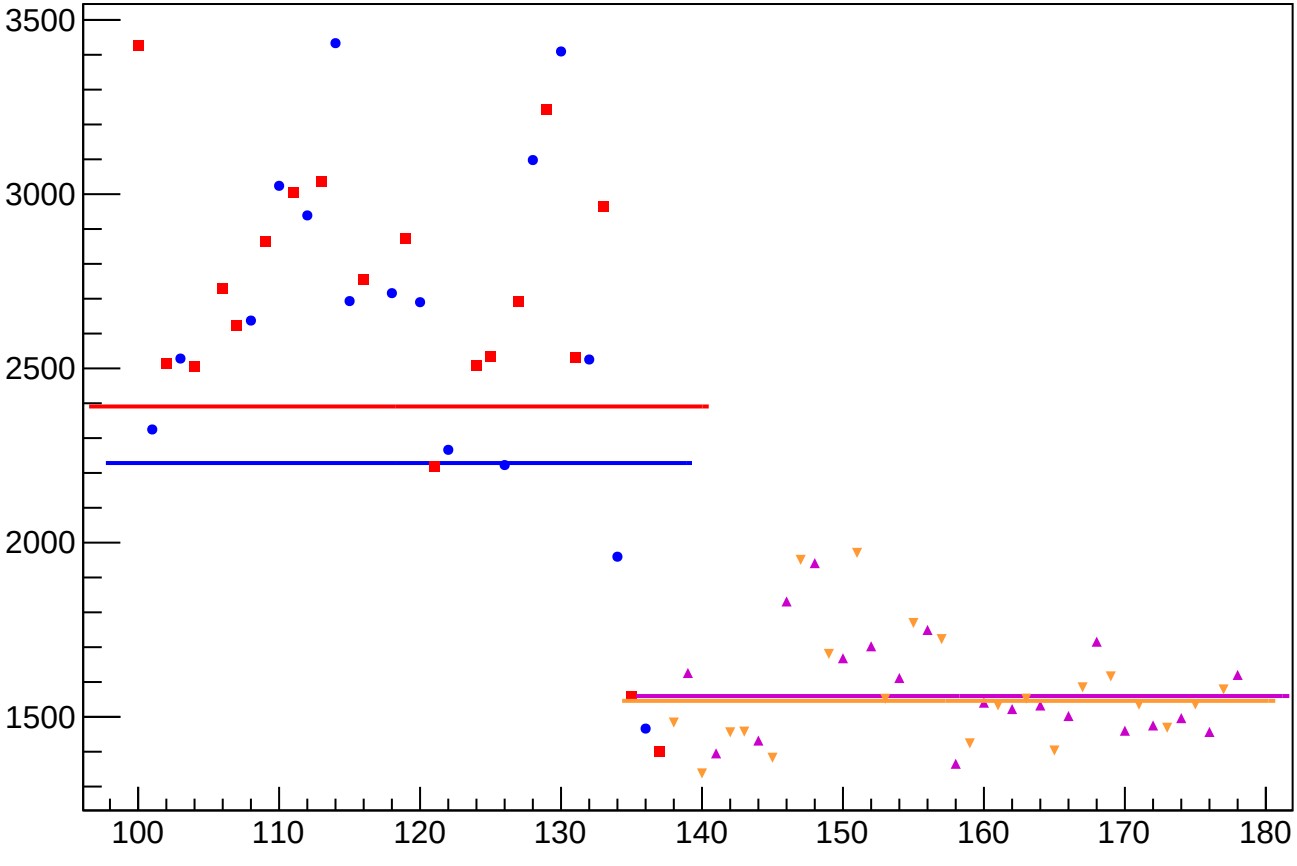
Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -146.872+/-353.717 χ^2/NDF:52.6/35

Out: -610.977+/-351.237 χ^2/NDF:52.7/39

All: -380.557+/-249.234 χ^2/NDF: 106.2/75

asym_sam_26_dd_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: 1559.808+/-0.274 χ^2/NDF:263917.0/19

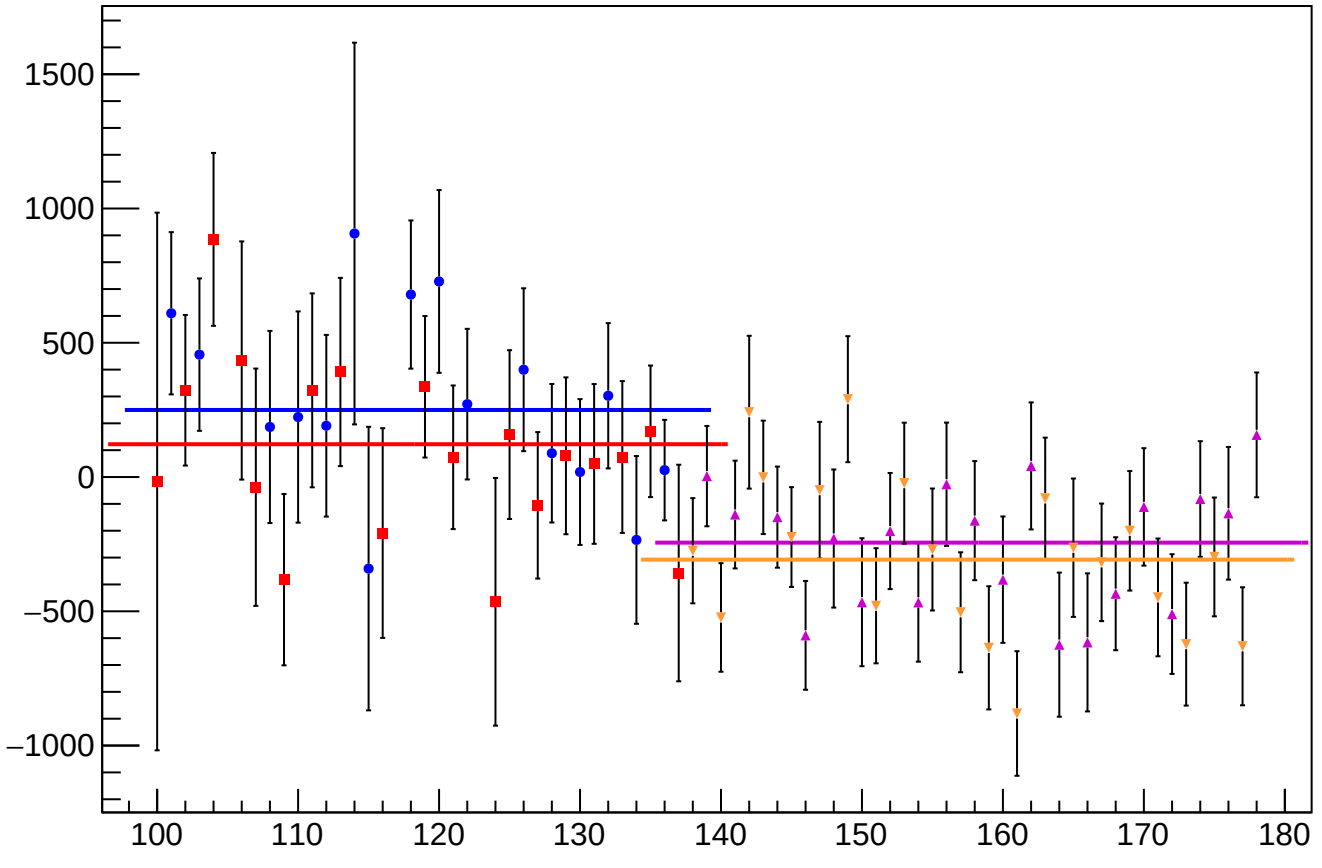
Left: 1552.774+/-0.192 χ^2/NDF: 577280.0/40

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1673.157+/-0.250 χ^2/NDF:2217691.1/35

Out: 1674.070+/-0.248 χ^2/NDF:2590214.0/39

All: 1673.617+/-0.176 χ^2/NDF: 4807911.8/75



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: -244.312+/-49.687 χ^2/NDF:20.4/19

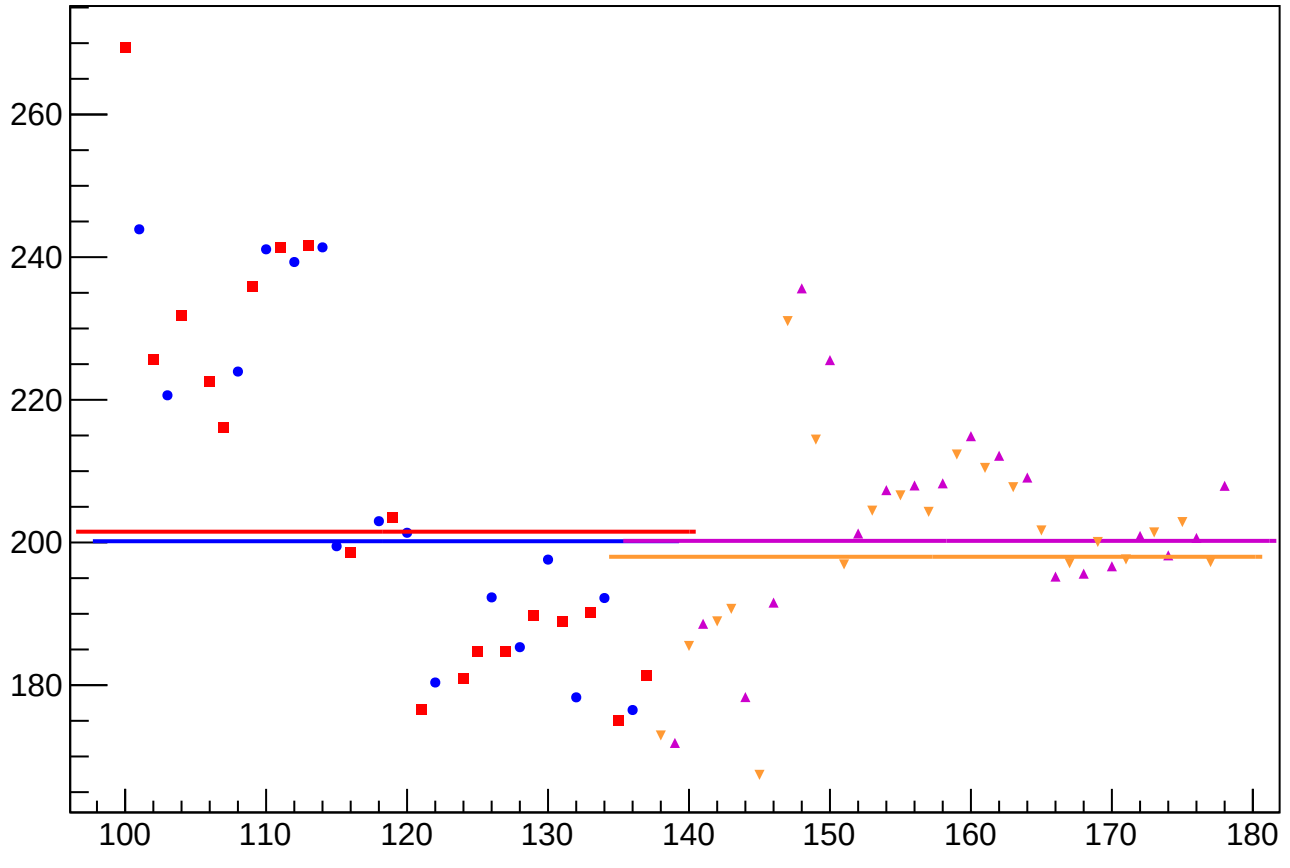
Left: -276.651+/-34.749 χ^2/NDF: 52.9/40

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -93.266+/-41.401 χ^2/NDF:64.4/35

Out: -178.950+/-40.695 χ^2/NDF:70.5/39

All: -136.844+/-29.022 χ^2/NDF: 137.1/75



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: 200.227+/-0.035 χ^2/NDF:170664.7/19

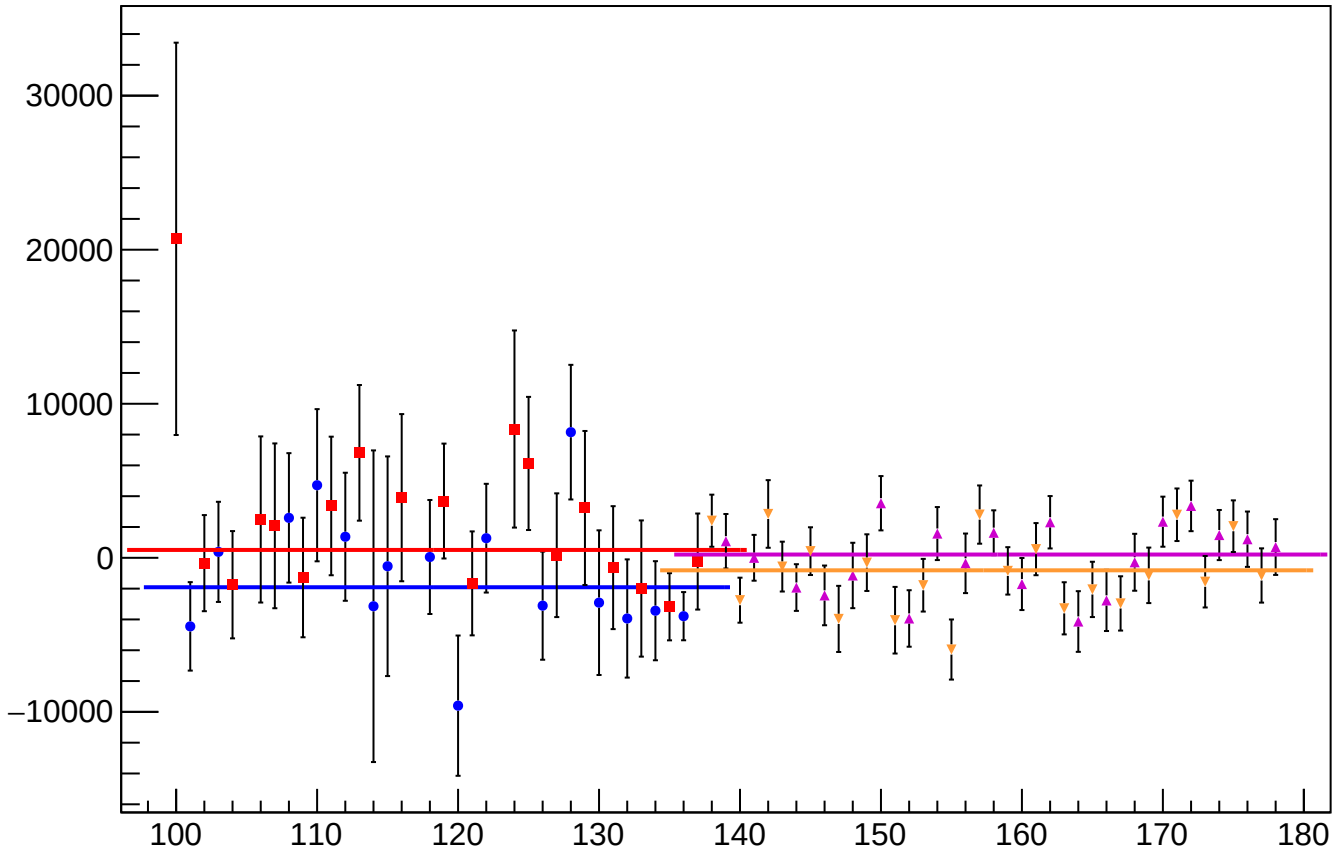
Left: 199.087+/-0.025 χ^2/NDF: 340710.9/40

Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 200.211+/-0.029 χ^2/NDF:351666.9/35

Out: 199.050+/-0.029 χ^2/NDF:366553.2/39

All: 199.621+/-0.021 χ^2/NDF: 719021.3/75



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: 213.100+/-388.144 χ^2/NDF:31.3/19

Left: -308.292+/-272.020 χ^2/NDF: 71.5/40

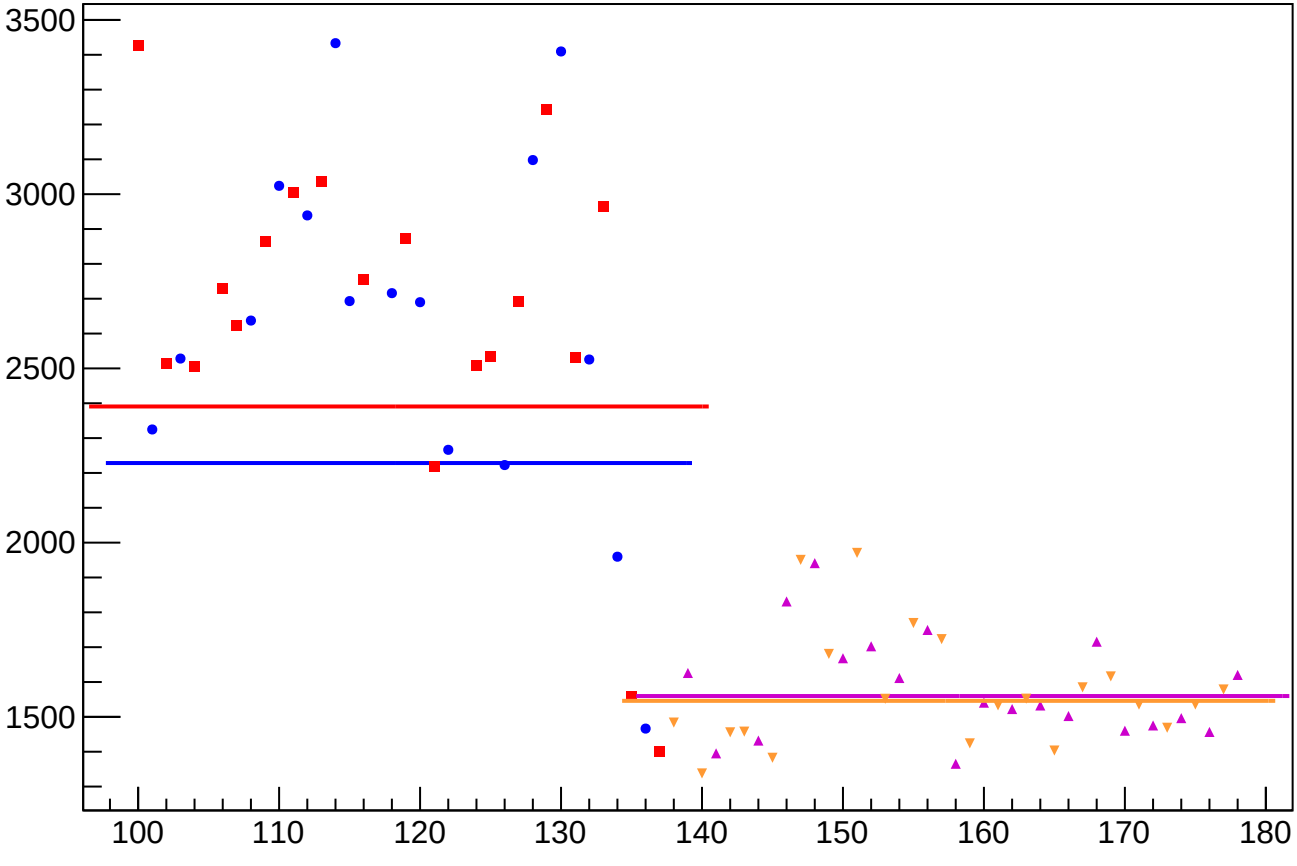
Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -146.872+/-353.717 χ^2/NDF:52.6/35

Out: -610.977+/-351.237 χ^2/NDF:52.7/39

All: -380.557+/-249.234 χ^2/NDF: 106.2/75

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: 1559.808+/-0.274 χ^2/NDF:263917.0/19

Left: 1552.774+/-0.192 χ^2/NDF: 577280.0/40

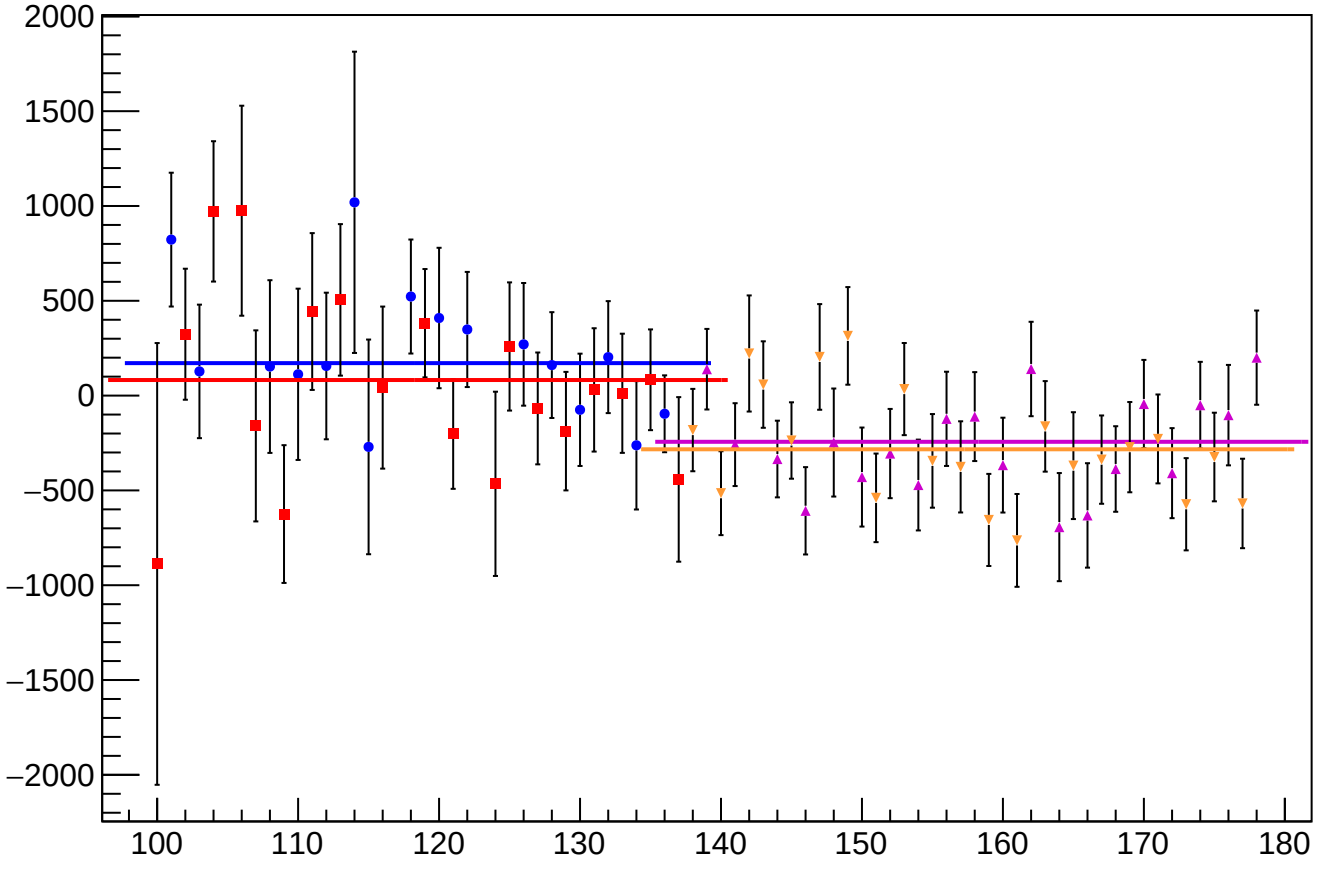
Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1673.157+/-0.250 χ^2/NDF:2217691.1/35

Out: 1674.070+/-0.248 χ^2/NDF:2590214.0/39

All: 1673.617+/-0.176 χ^2/NDF: 4807911.8/75

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



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: -243.661+/-53.733 χ^2/NDF:20.9/19

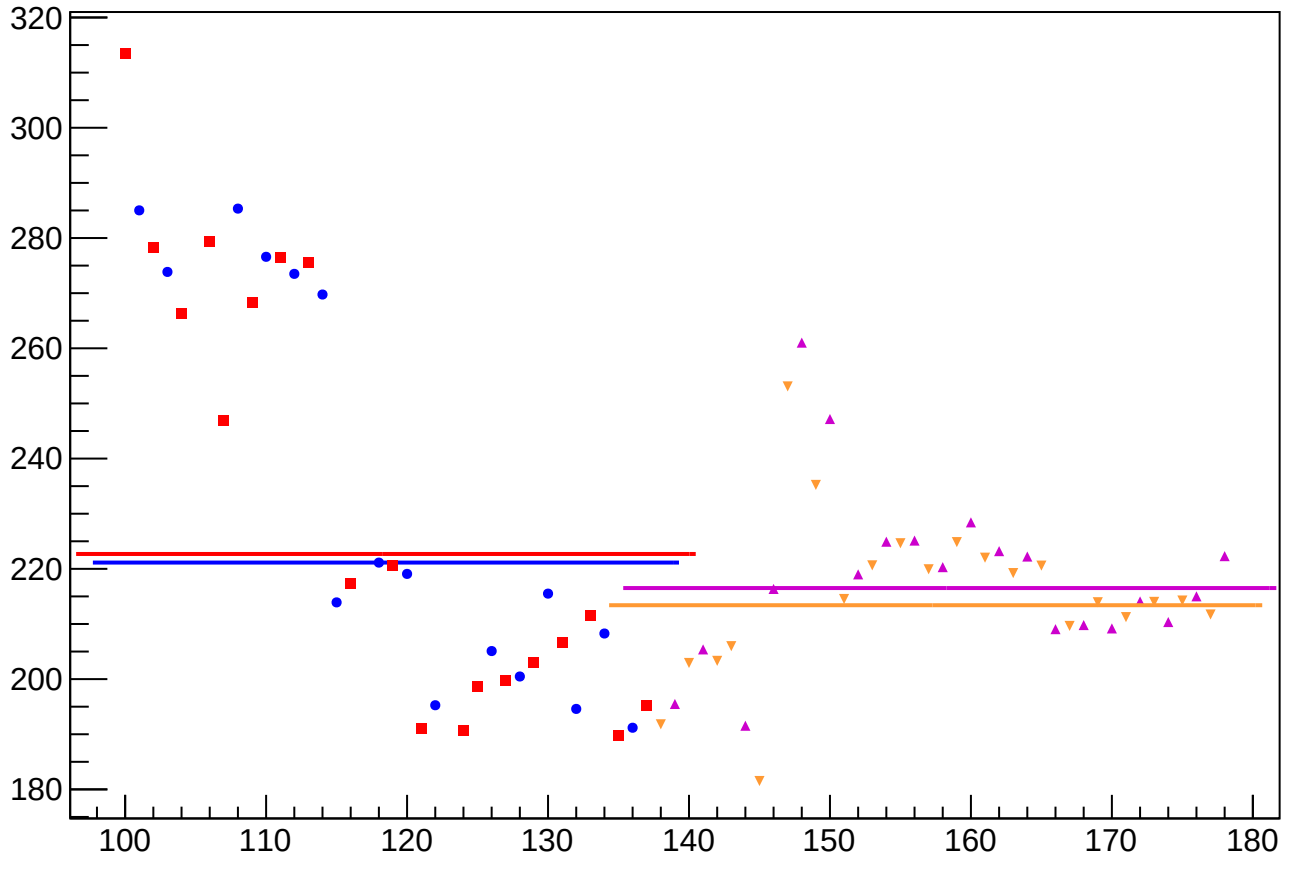
Left: -263.926+/-37.510 χ^2/NDF: 48.7/40

Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -121.364+/-45.124 χ^2/NDF:50.0/35

Out: -178.290+/-44.231 χ^2/NDF:63.1/39

All: -150.396+/-31.587 χ^2/NDF: 113.8/75



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: 216.517+/-0.038 χ^2/NDF:152109.2/19

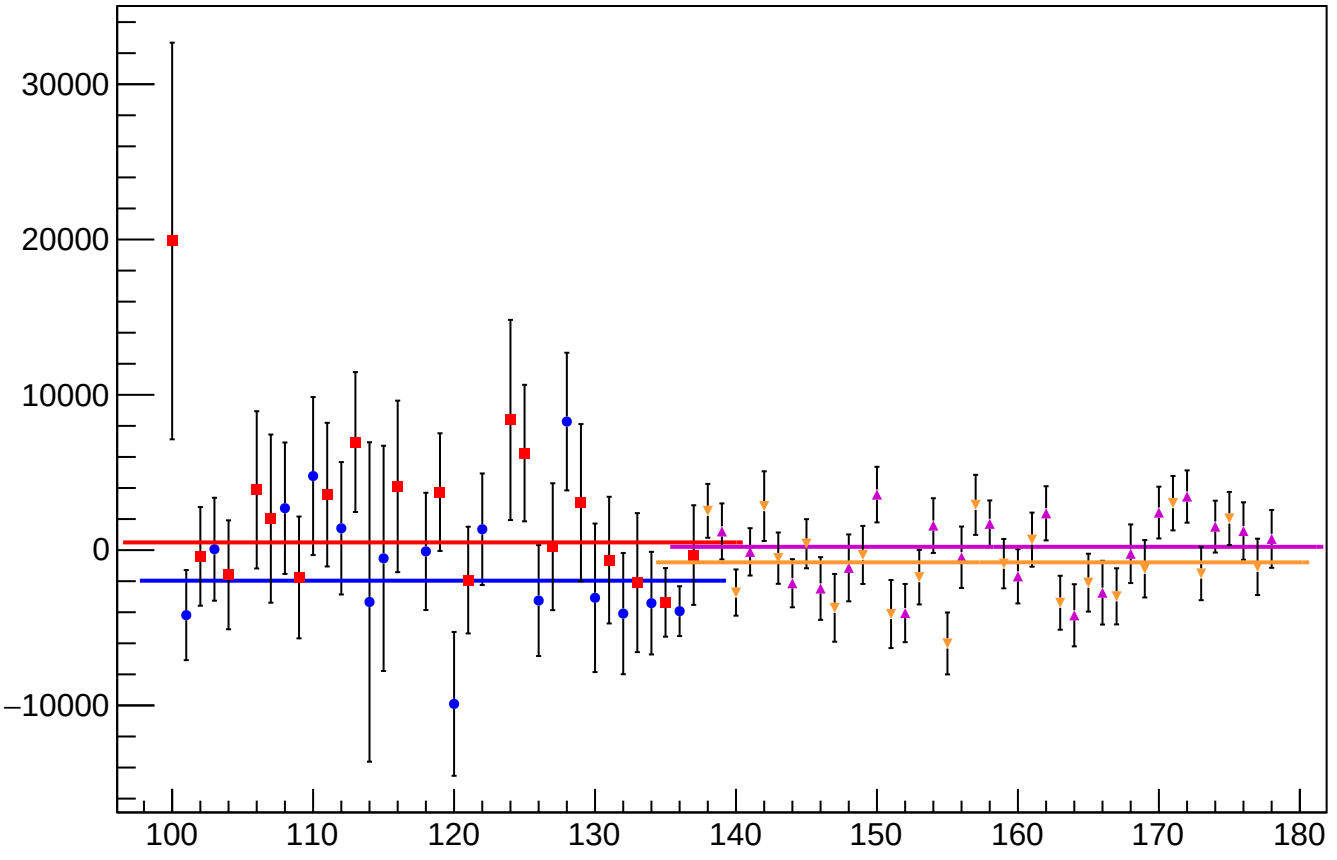
Left: 214.920+/-0.027 χ^2/NDF: 306811.5/40

Right: 221.924+/-0.041 χ^2/NDF: 646088.3/34

In: 217.879+/-0.032 χ^2/NDF:475174.0/35

Out: 216.072+/-0.031 χ^2/NDF:496367.4/39

All: 216.957+/-0.022 χ^2/NDF: 973177.7/75



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: -786.164+/-390.651 χ^2/NDF:36.2/20

Right Out: 497.281+/-914.759 χ^2/NDF: 14.8/18

Left In: 213.183+/-398.119 χ^2/NDF:31.3/19

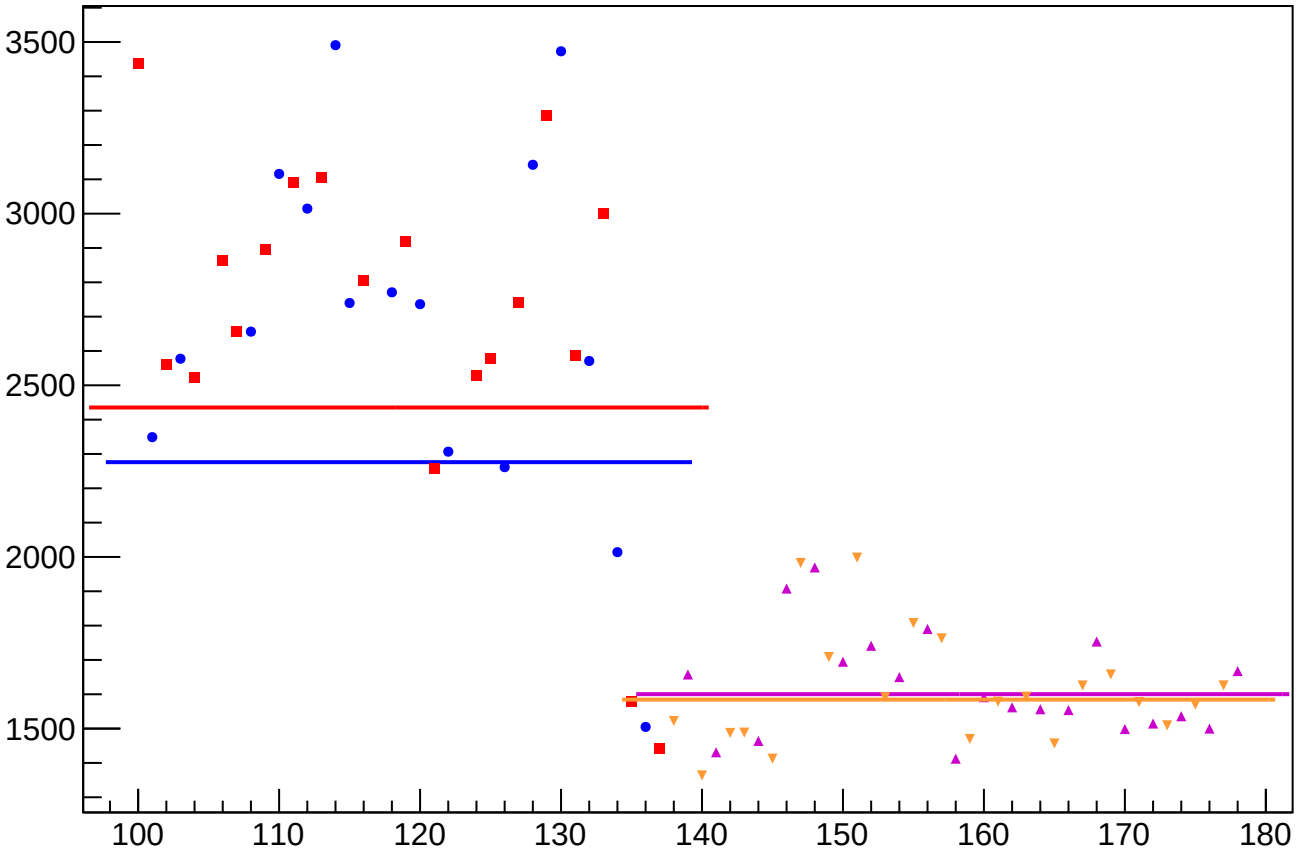
Left: -295.950+/-278.835 χ^2/NDF: 70.7/40

Right: -787.531+/-632.914 χ^2/NDF: 34.7/34

In: -159.678+/-362.487 χ^2/NDF:52.6/35

Out: -588.199+/-359.262 χ^2/NDF:52.6/39

All: -375.853+/-255.169 χ^2/NDF: 105.9/75



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: 1600.312+/-0.282 χ^2/NDF:255674.1/19

Left: 1592.225+/-0.197 χ^2/NDF: 555897.0/40

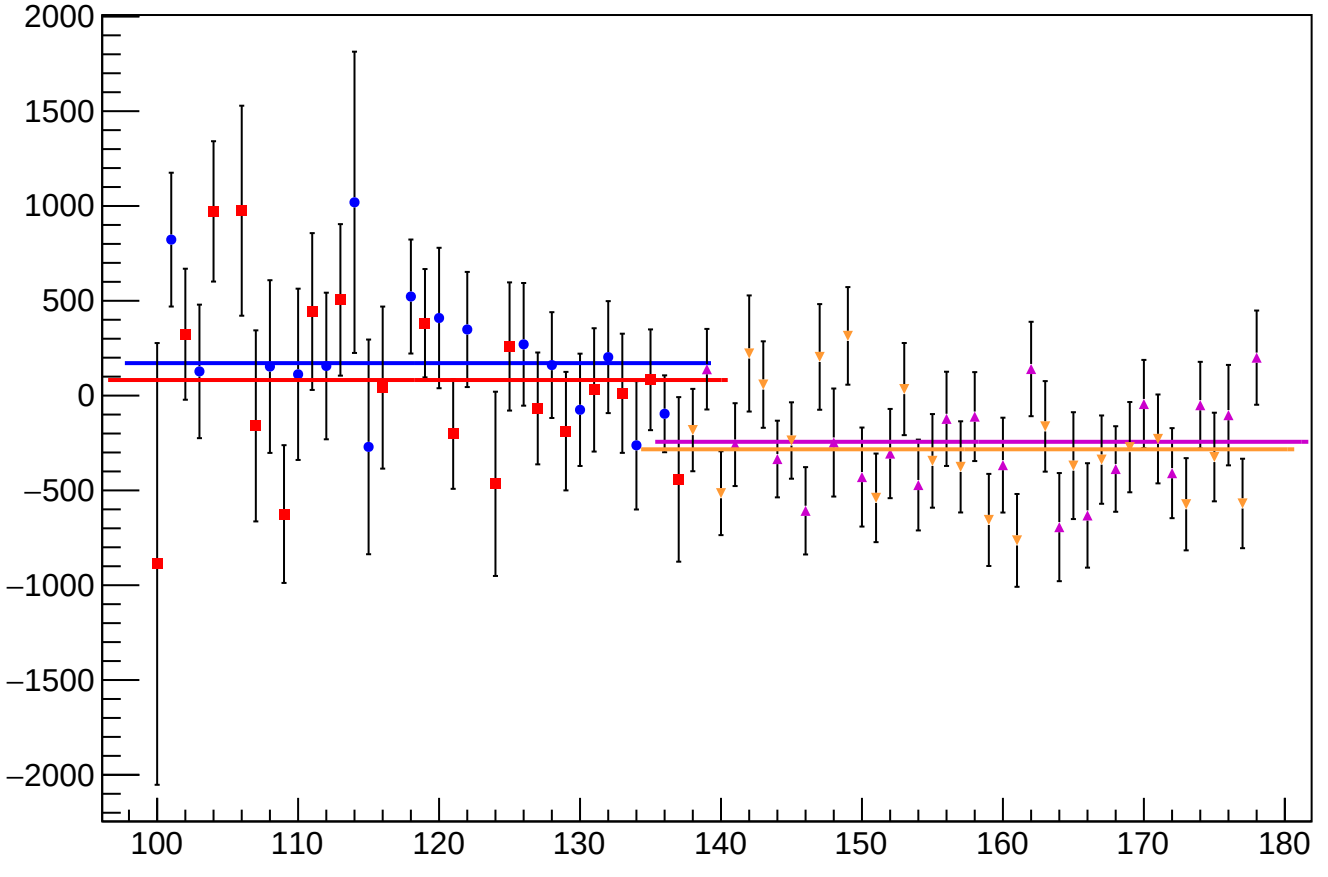
Right: 2352.355+/-0.448 χ^2/NDF: 1750083.9/34

In: 1715.872+/-0.256 χ^2/NDF:2168122.4/35

Out: 1715.687+/-0.254 χ^2/NDF:2553764.1/39

All: 1715.778+/-0.180 χ^2/NDF: 4721886.8/75

eigen_dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -283.191+/-52.387 χ^2/NDF:27.5/20

Right Out: 82.150+/-82.545 χ^2/NDF: 21.6/18

Left In: -243.663+/-53.733 χ^2/NDF:20.9/19

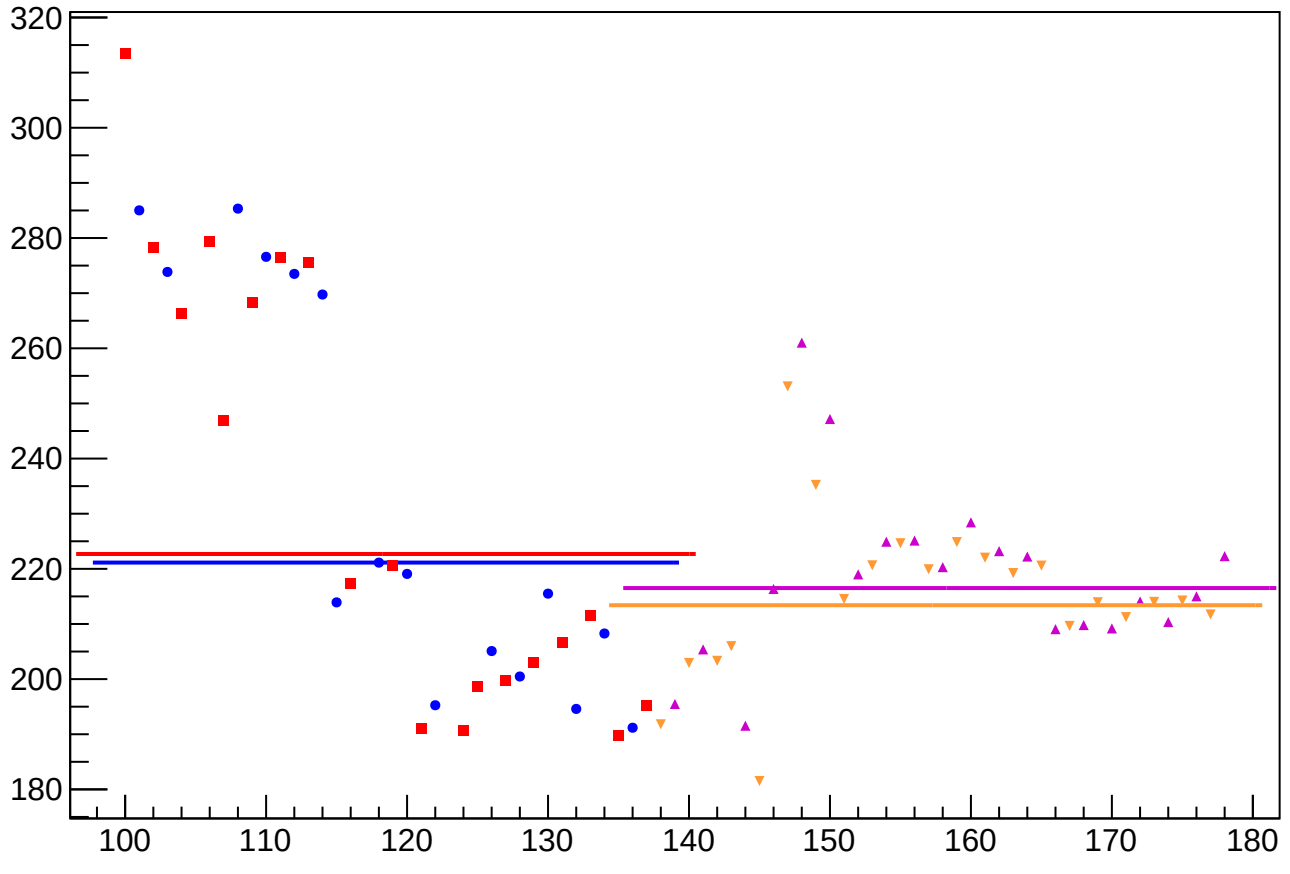
Left: -263.928+/-37.510 χ^2/NDF: 48.7/40

Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -121.363+/-45.124 χ^2/NDF:50.0/35

Out: -178.292+/-44.231 χ^2/NDF:63.1/39

All: -150.397+/-31.587 χ^2/NDF: 113.8/75



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: 216.516+/-0.038 χ^2/NDF:152111.8/19

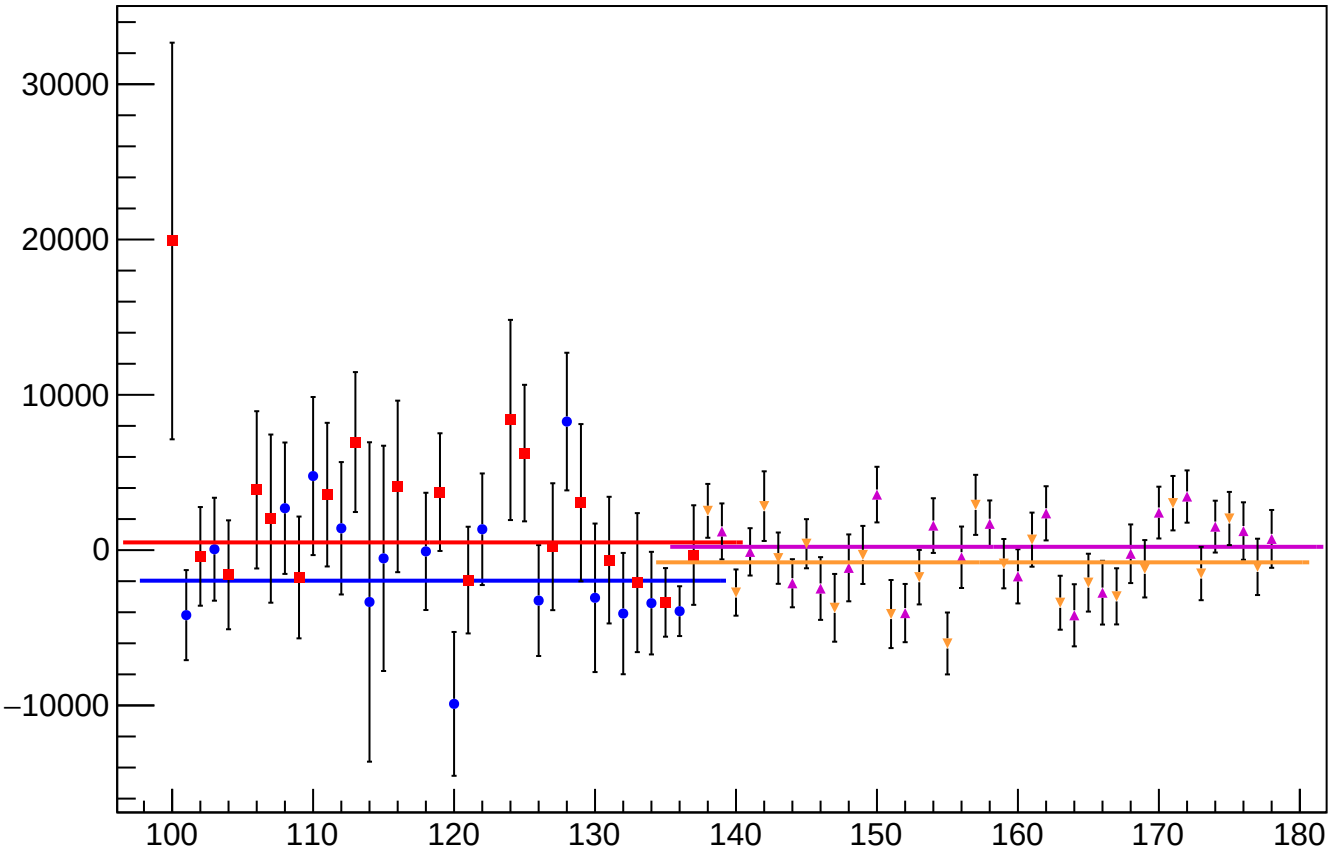
Left: 214.920+/-0.027 χ^2/NDF: 306817.9/40

Right: 221.923+/-0.041 χ^2/NDF: 646076.2/34

In: 217.879+/-0.032 χ^2/NDF:475169.6/35

Out: 216.071+/-0.031 χ^2/NDF:496361.4/39

All: 216.957+/-0.022 χ^2/NDF: 973167.0/75



Right In: -1967.409+/-876.608 χ^2/NDF: 16.2/15

Left Out: -786.165+/-390.651 χ^2/NDF:36.2/20

Right Out: 497.282+/-914.757 χ^2/NDF: 14.8/18

Left In: 213.183+/-398.119 χ^2/NDF:31.3/19

Left: -295.951+/-278.835 χ^2/NDF: 70.7/40

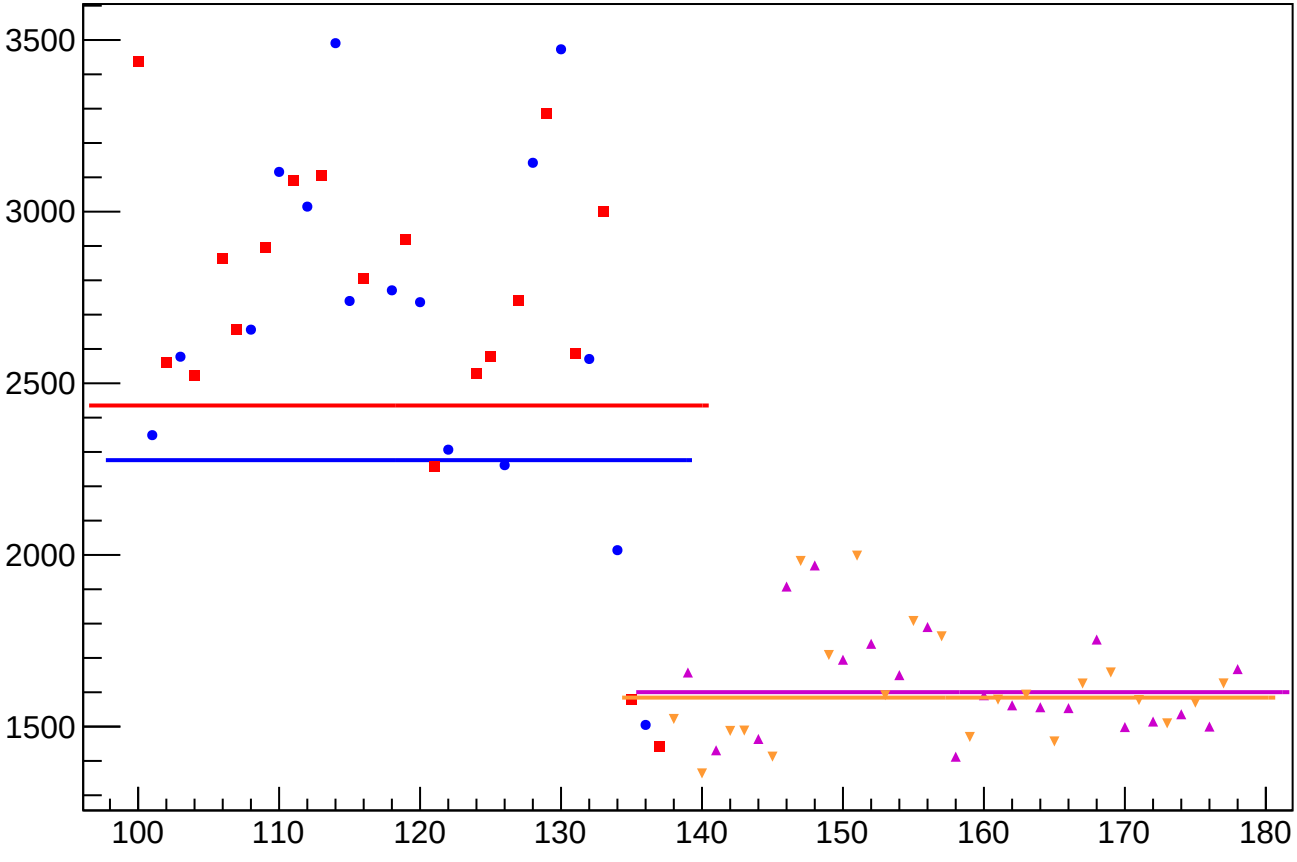
Right: -787.528+/-632.913 χ^2/NDF: 34.7/34

In: -159.679+/-362.487 χ^2/NDF:52.6/35

Out: -588.199+/-359.262 χ^2/NDF:52.6/39

All: -375.853+/-255.169 χ^2/NDF: 105.9/75

asym_sam_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1584.437+/-0.276 χ^2/NDF:298605.4/20

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

Left In: 1600.313+/-0.282 χ^2/NDF:255675.4/19

Left: 1592.225+/-0.197 χ^2/NDF: 555901.0/40

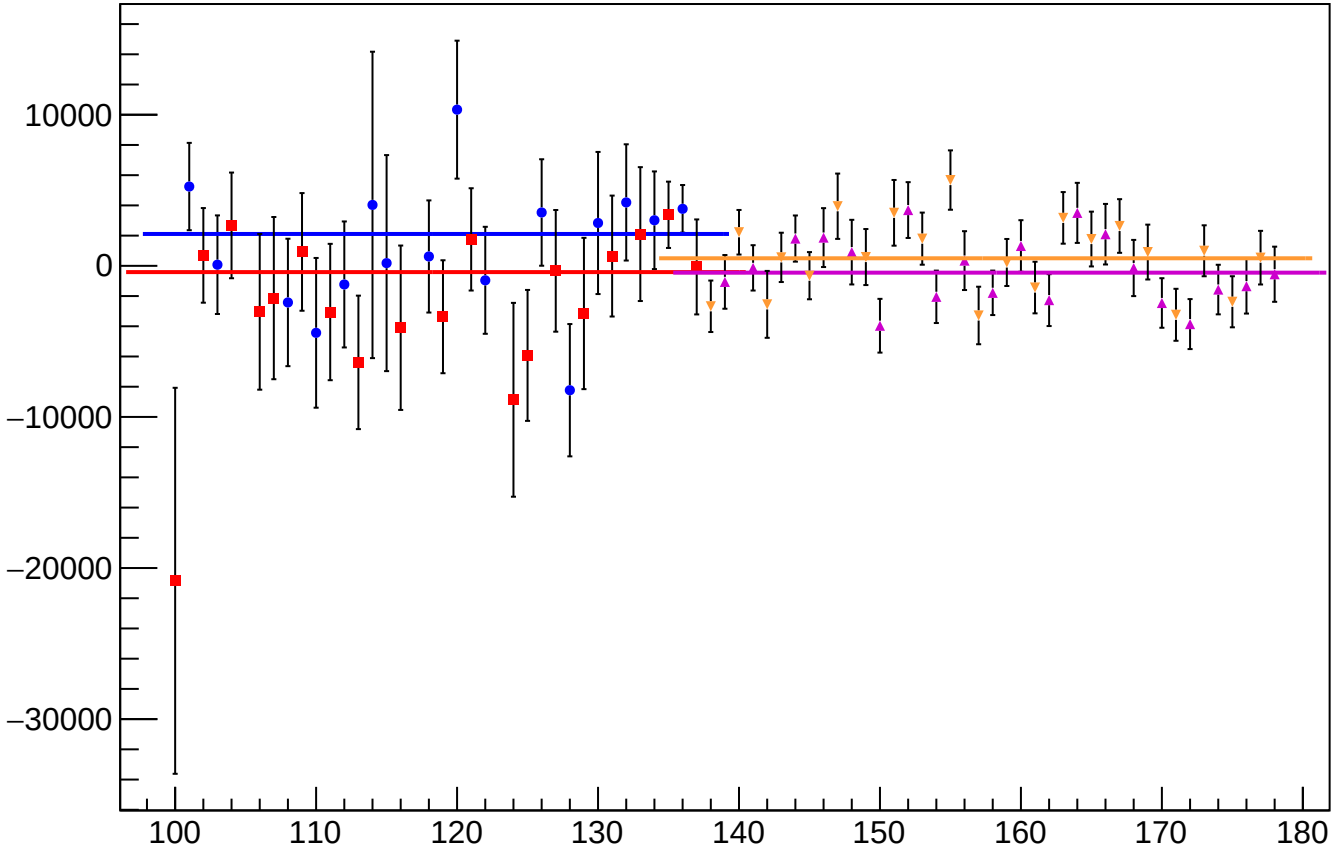
Right: 2352.352+/-0.448 χ^2/NDF: 1750068.0/34

In: 1715.872+/-0.256 χ^2/NDF:2168108.1/35

Out: 1715.687+/-0.254 χ^2/NDF:2553751.5/39

All: 1715.778+/-0.180 χ^2/NDF: 4721859.9/75

asym_sam_26_dd_mean vs Slug, Sign Corrected



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: -451.784+/-391.471 χ^2/NDF:29.2/19

Left: 32.610+/-274.337 χ^2/NDF: 68.9/40

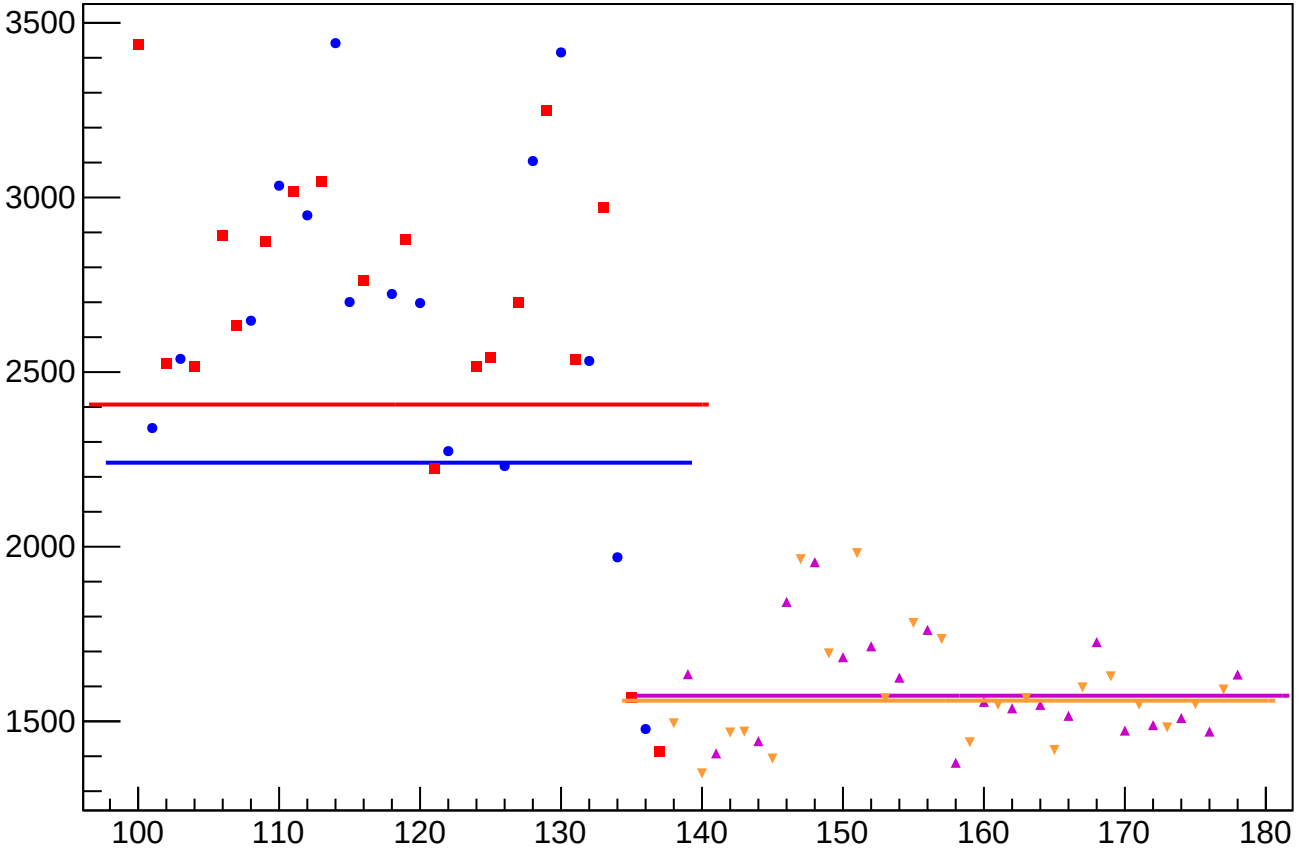
Right: 906.398+/-624.471 χ^2/NDF: 35.4/34

In: -14.932+/-356.527 χ^2/NDF:53.1/35

Out: 360.090+/-353.900 χ^2/NDF:52.2/39

All: 173.966+/-251.169 χ^2/NDF: 105.9/75

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: 1573.406+/-0.277 χ^2/NDF:258011.8/19

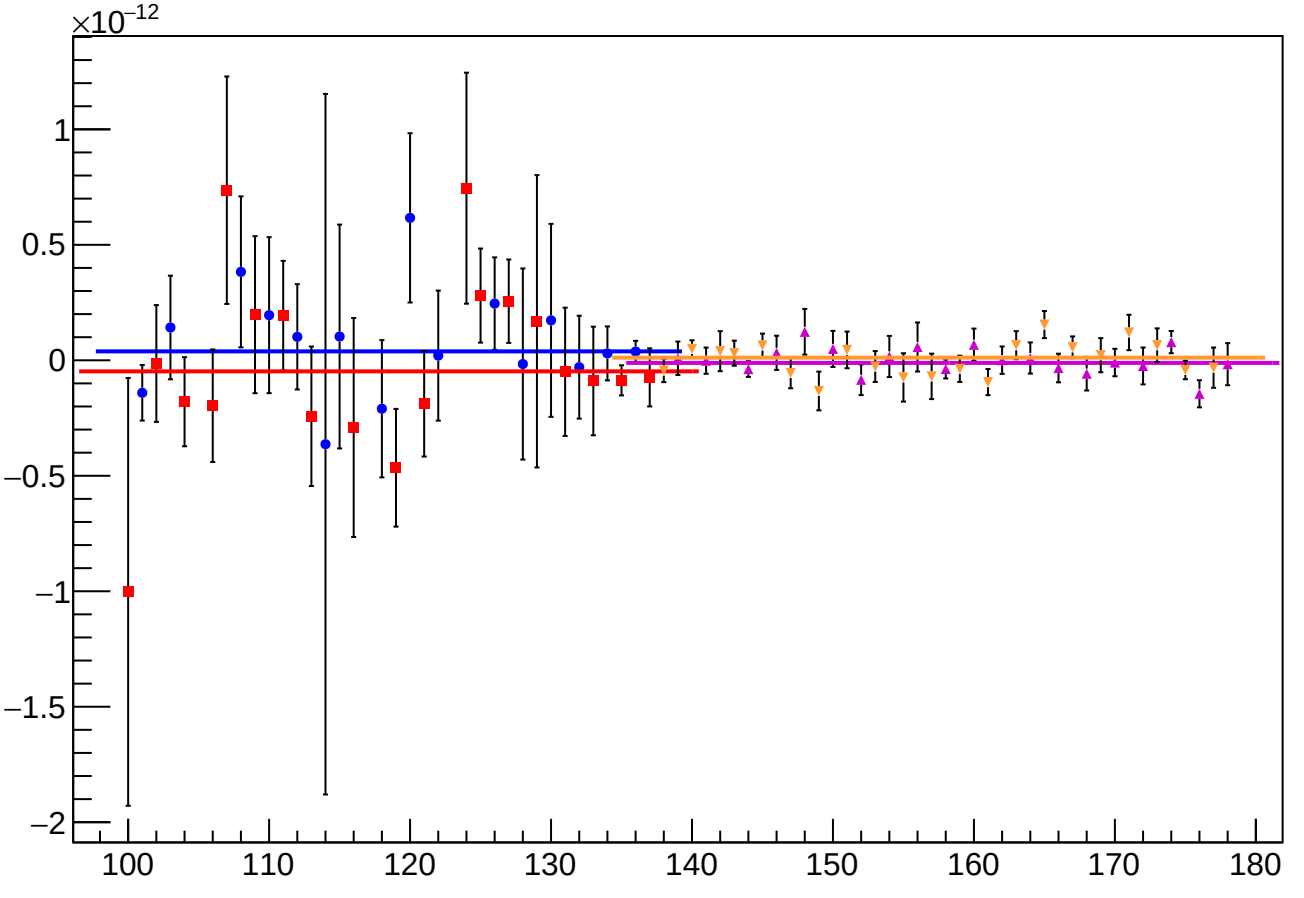
Left: 1566.236+/-0.194 χ^2/NDF: 566026.6/40

Right: 2320.004+/-0.442 χ^2/NDF: 1758033.9/34

In: 1687.206+/-0.252 χ^2/NDF:2182525.1/35

Out: 1689.132+/-0.250 χ^2/NDF:2584046.7/39

All: 1688.176+/-0.178 χ^2/NDF: 4766601.3/75



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:16.3/19

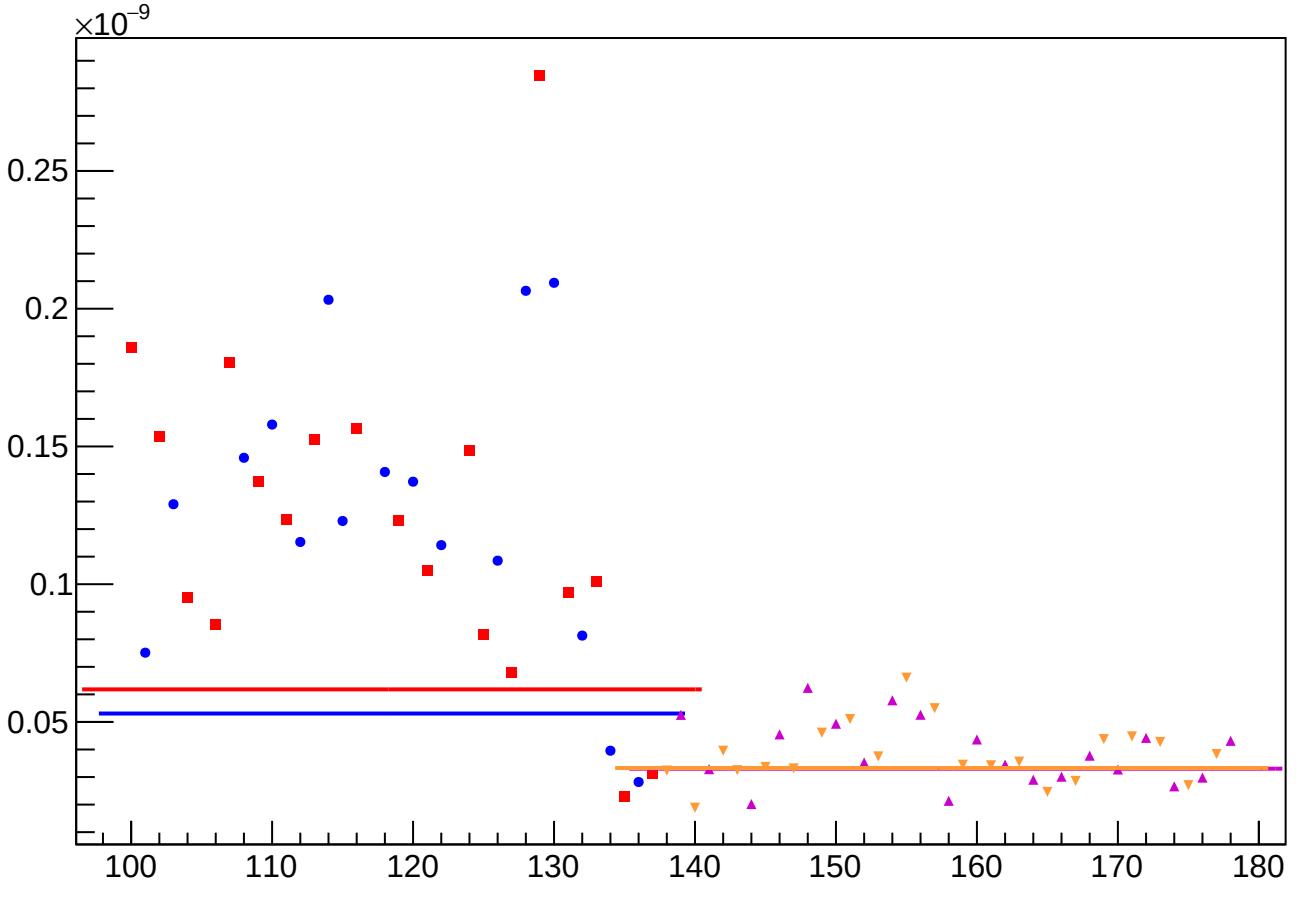
Left: 0.000+/-0.000 χ^2/NDF: 43.6/40

Right: 0.000+/-0.000 χ^2/NDF: 29.0/34

In: -0.000+/-0.000 χ^2/NDF:26.4/35

Out: 0.000+/-0.000 χ^2/NDF:45.8/39

All: 0.000+/-0.000 χ^2/NDF: 72.6/75



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:1309579.6/19

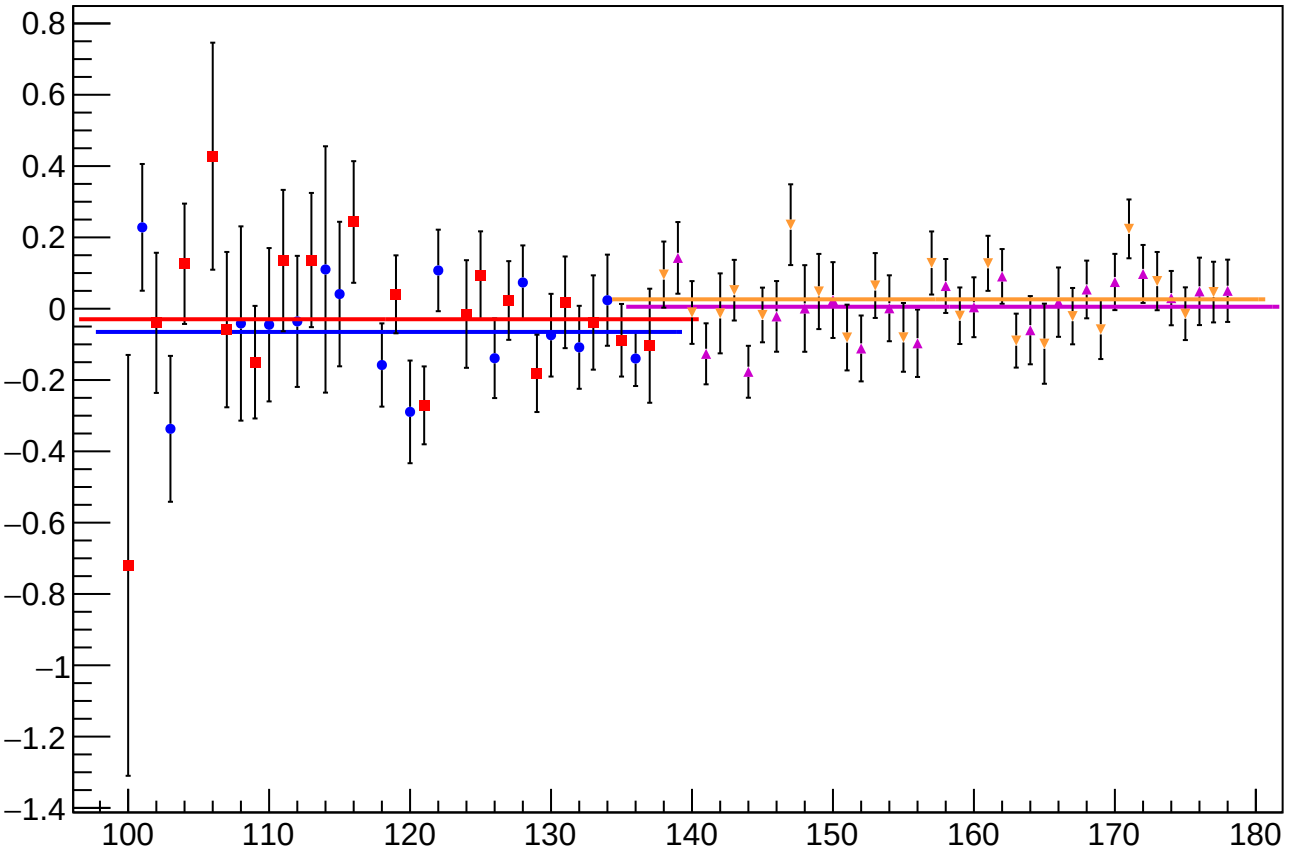
Left: 0.000+/-0.000 χ^2/NDF: 2308344.4/40

Right: 0.000+/-0.000 χ^2/NDF: 5040906.1/34

In: 0.000+/-0.000 χ^2/NDF:4416633.9/35

Out: 0.000+/-0.000 χ^2/NDF:4209219.6/39

All: 0.000+/-0.000 χ^2/NDF: 8625951.0/75



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: 0.005+/-0.020 χ^2/NDF:18.7/19

Left: 0.016+/-0.014 χ^2/NDF: 41.6/40

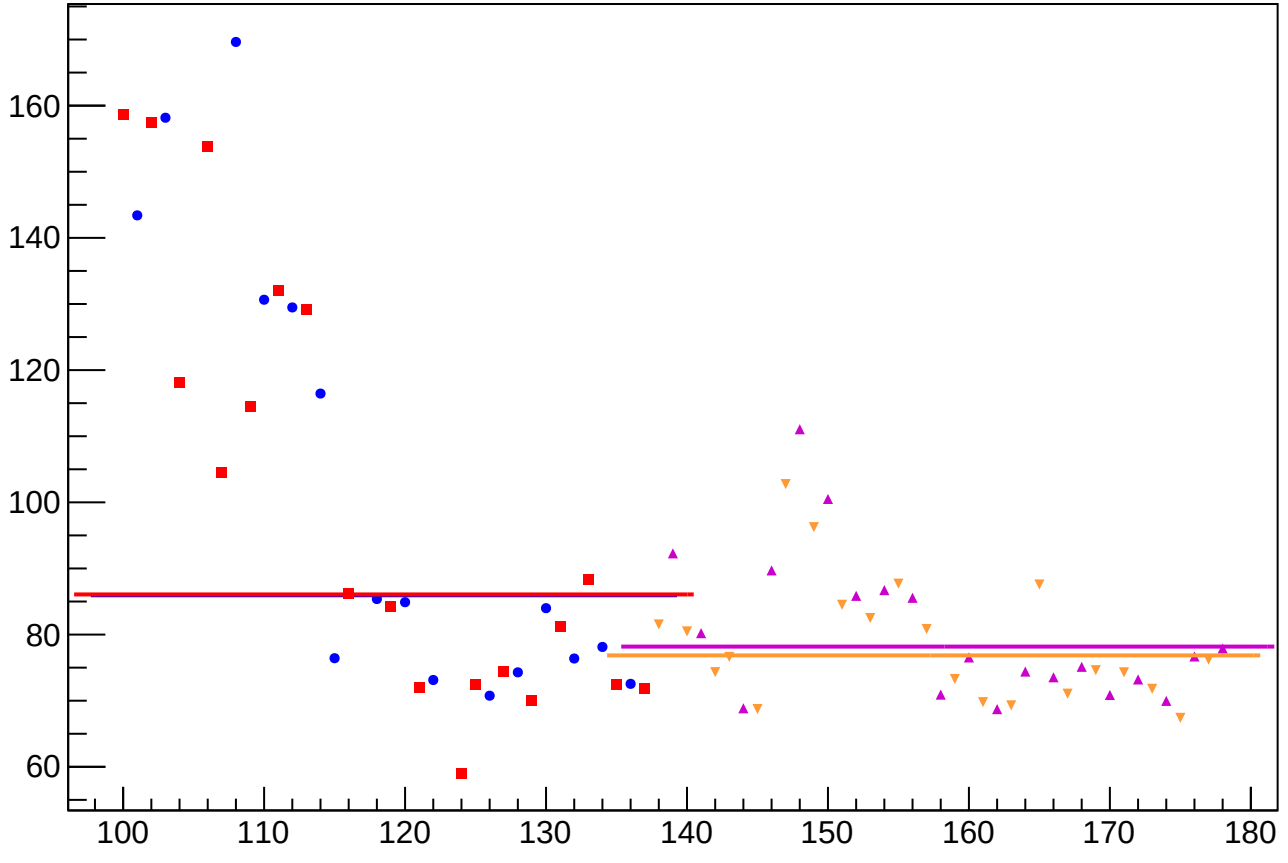
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.013+/-0.017 χ^2/NDF:36.2/35

Out: 0.012+/-0.016 χ^2/NDF:42.5/39

All: 0.000+/-0.012 χ^2/NDF: 79.9/75

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: 78.183+/-0.014 χ^2/NDF:486703.3/19

Left: 77.496+/-0.010 χ^2/NDF: 860139.4/40

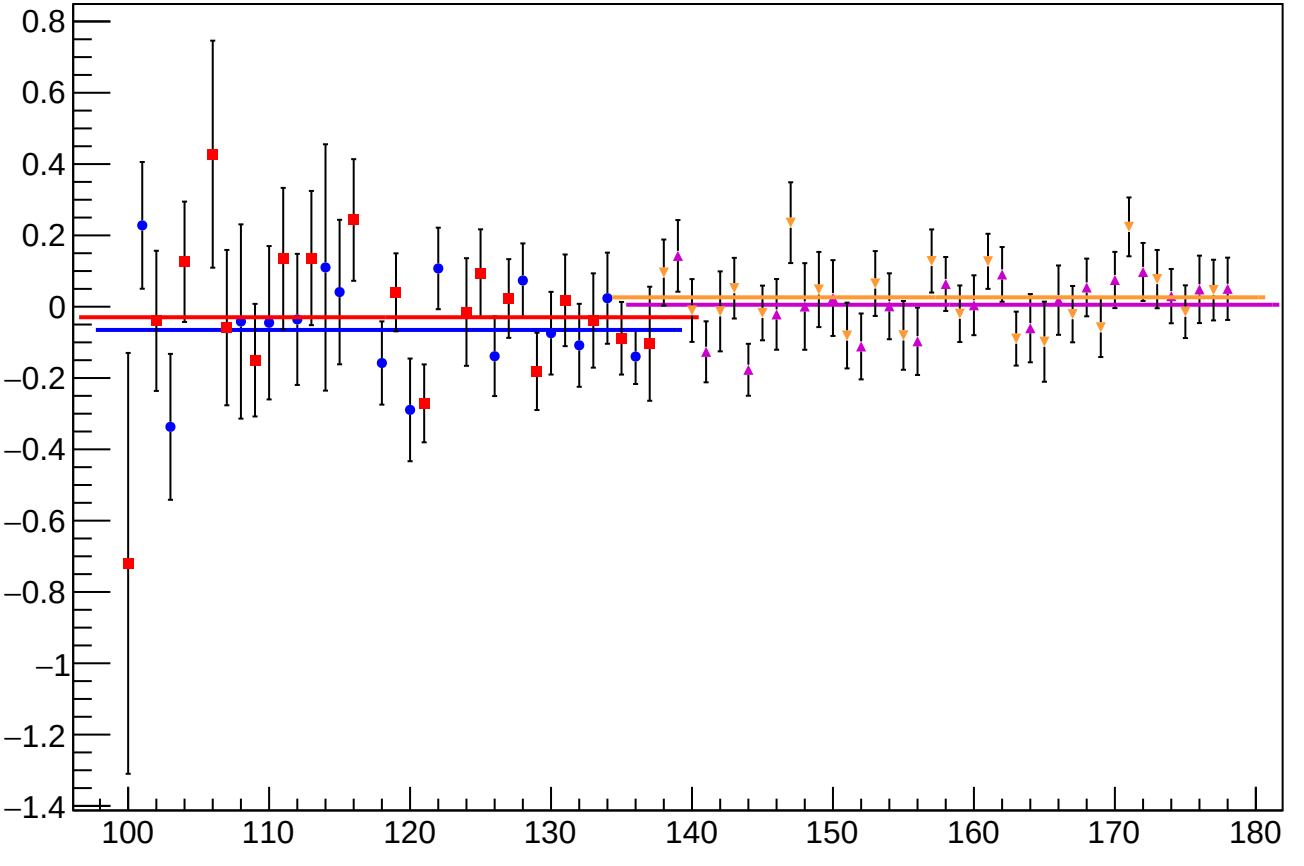
Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 80.176+/-0.012 χ^2/NDF:1602448.5/35

Out: 79.145+/-0.012 χ^2/NDF:1477623.8/39

All: 79.647+/-0.008 χ^2/NDF: 3083897.7/75

asym_sam_26_dd_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: 0.005+/-0.020 χ^2/NDF:18.7/19

Left: 0.016+/-0.014 χ^2/NDF: 41.6/40

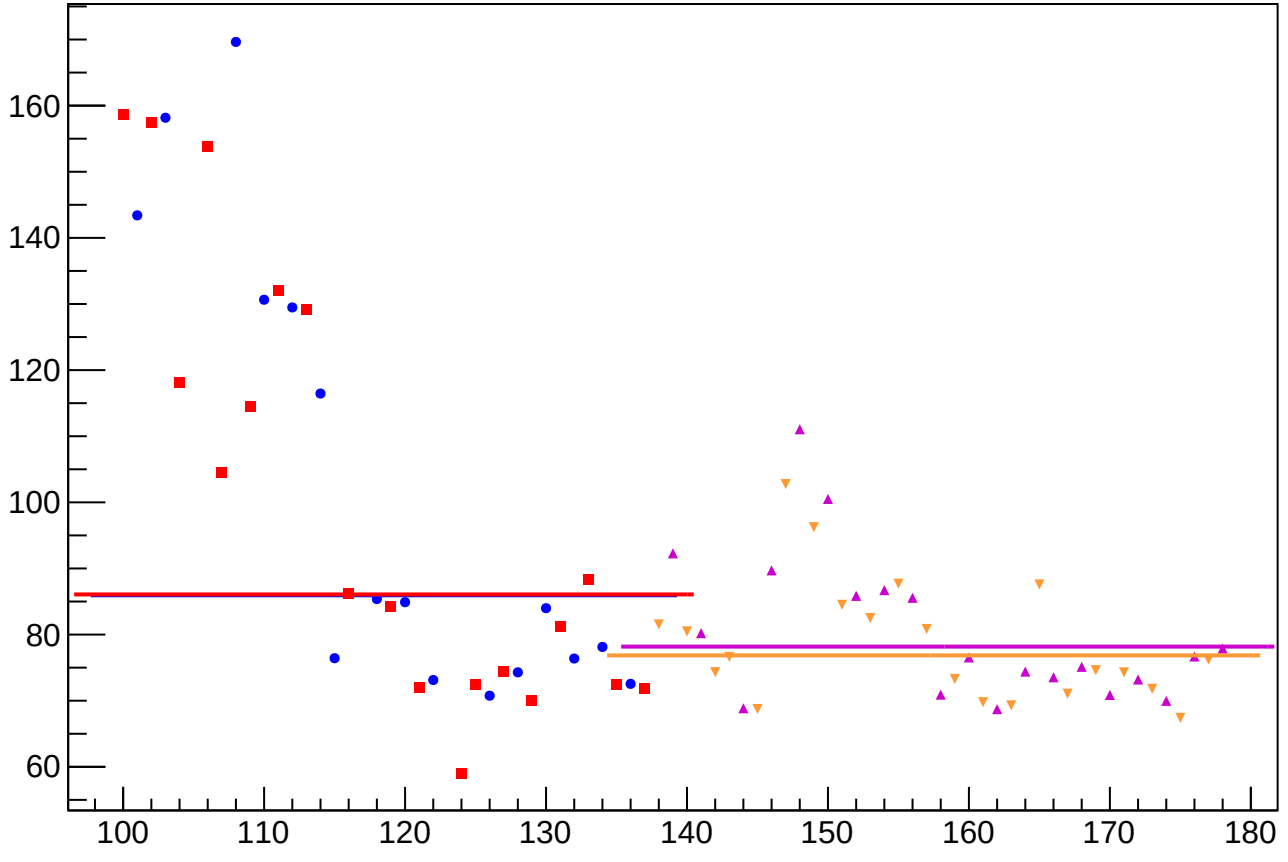
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.013+/-0.017 χ^2/NDF:36.2/35

Out: 0.012+/-0.016 χ^2/NDF:42.5/39

All: 0.000+/-0.012 χ^2/NDF: 79.9/75

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: 78.183+/-0.014 χ^2/NDF:486703.3/19

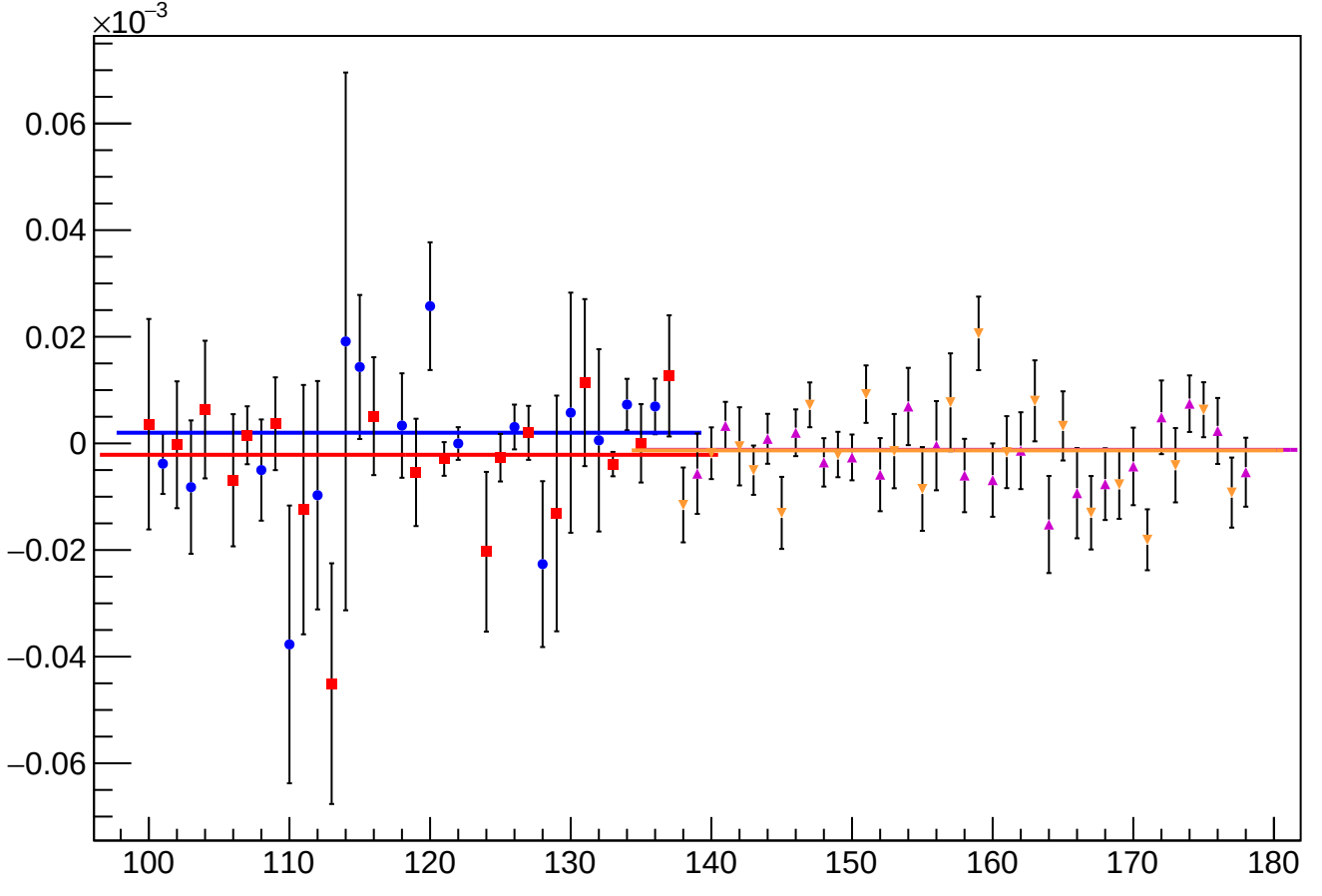
Left: 77.496+/-0.010 χ^2/NDF: 860139.4/40

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 80.176+/-0.012 χ^2/NDF:1602448.5/35

Out: 79.145+/-0.012 χ^2/NDF:1477623.8/39

All: 79.647+/-0.008 χ^2/NDF: 3083897.7/75



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:44.0/20

Right Out: -0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:13.9/19

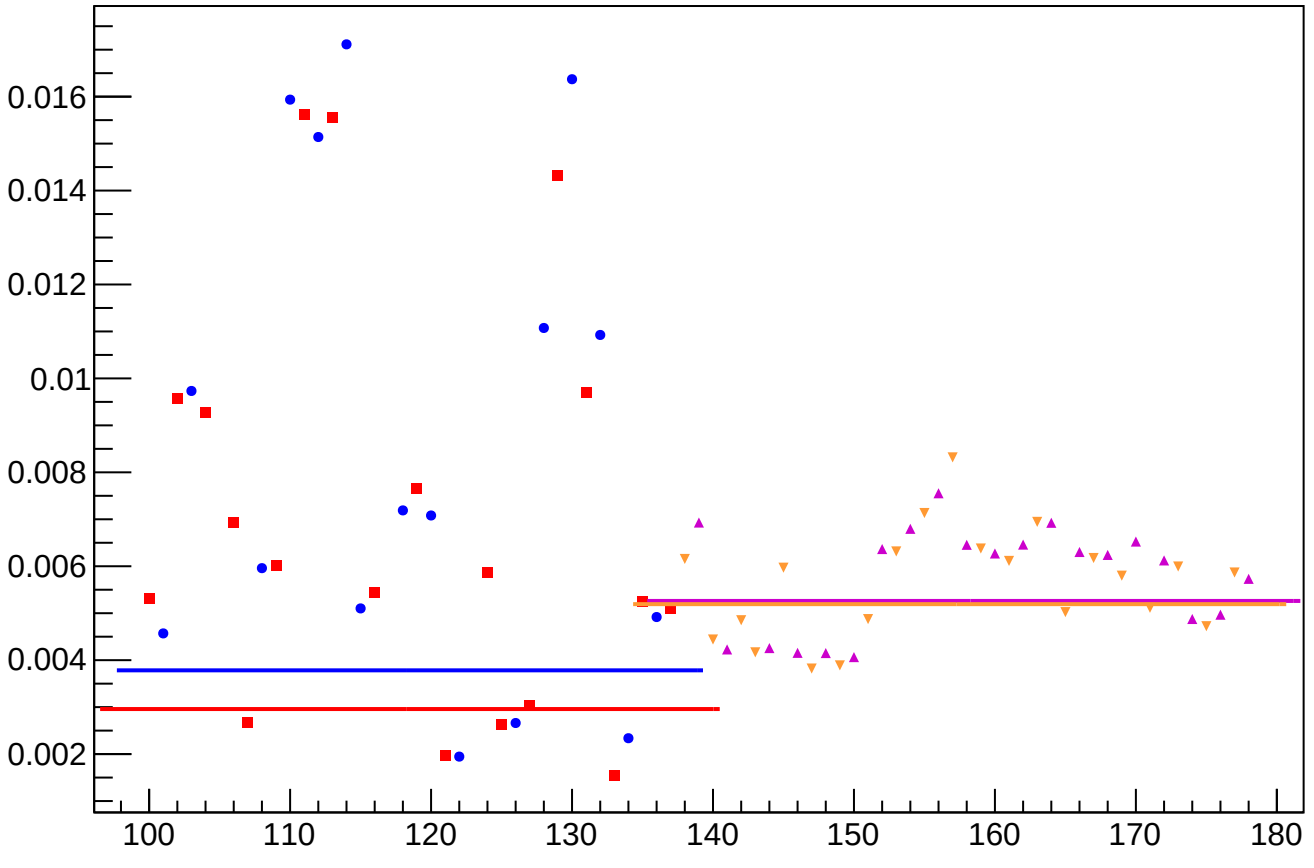
Left: -0.000+/-0.000 χ^2/NDF: 57.9/40

Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: -0.000+/-0.000 χ^2/NDF:31.0/35

Out: -0.000+/-0.000 χ^2/NDF:55.7/39

All: -0.000+/-0.000 χ^2/NDF: 88.0/75



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:1404405.9/19

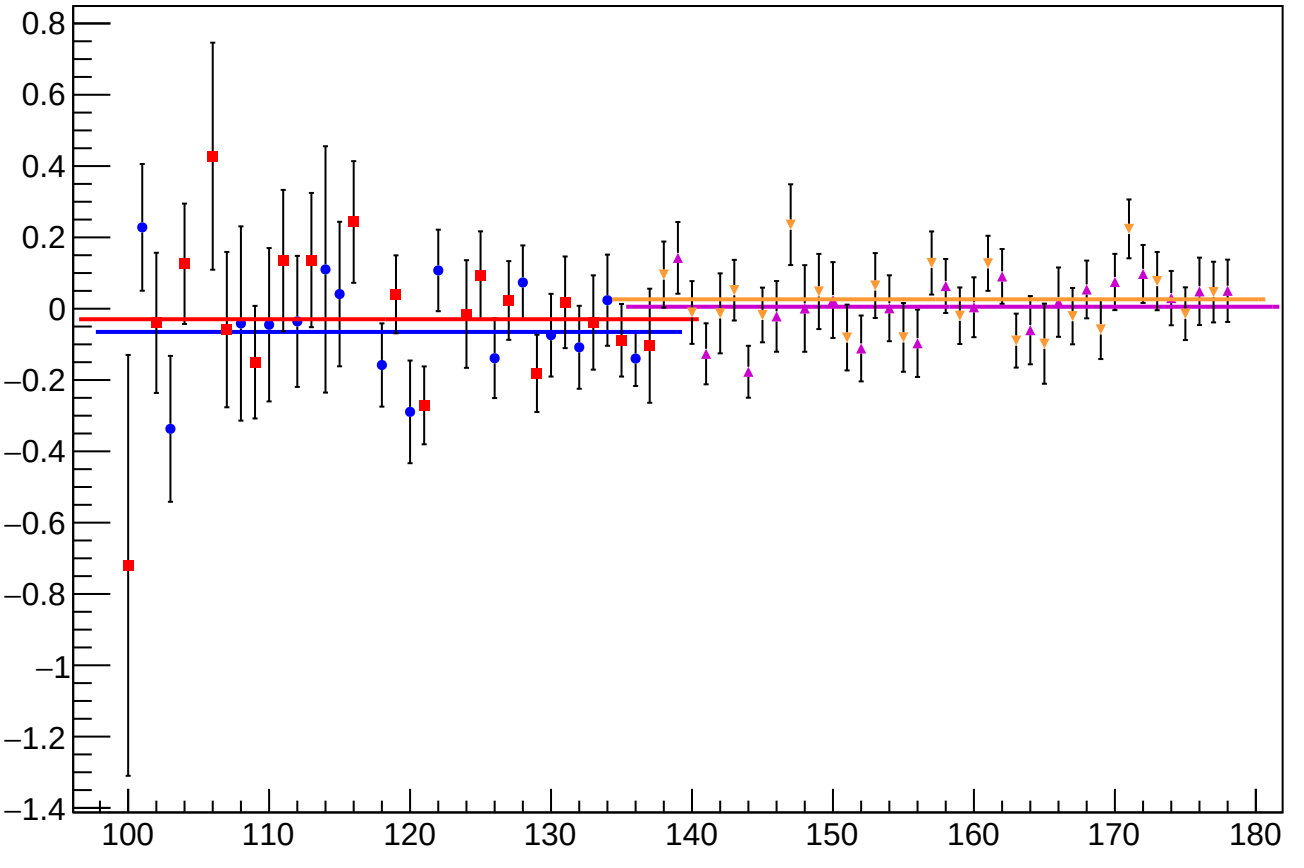
Left: 0.005+/-0.000 χ^2/NDF: 2762153.1/40

Right: 0.003+/-0.000 χ^2/NDF: 10513157.6/34

In: 0.005+/-0.000 χ^2/NDF:6999858.3/35

Out: 0.004+/-0.000 χ^2/NDF:9620408.2/39

All: 0.004+/-0.000 χ^2/NDF: 16925589.3/75



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: 0.005+/-0.020 χ^2/NDF:18.7/19

Left: 0.016+/-0.014 χ^2/NDF: 41.6/40

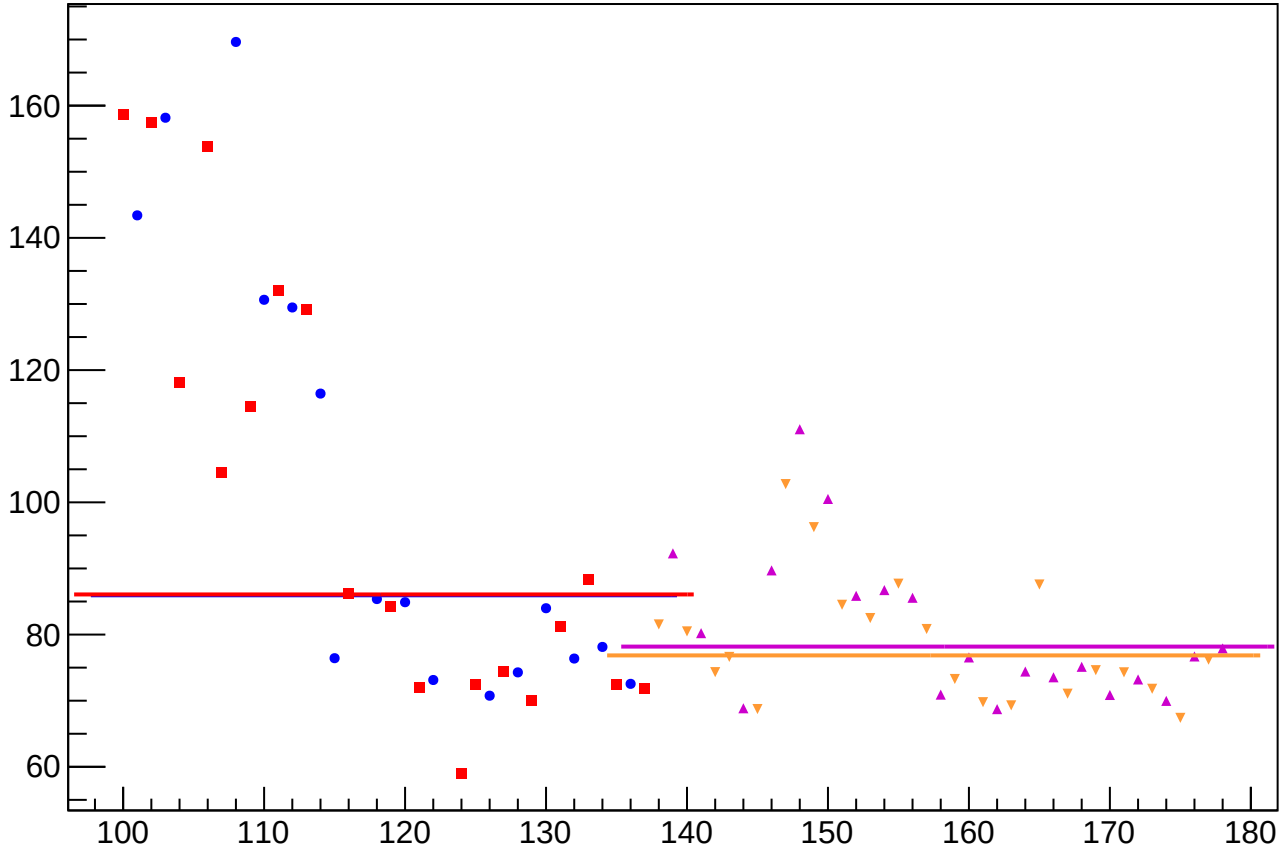
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.013+/-0.017 χ^2/NDF:36.2/35

Out: 0.012+/-0.016 χ^2/NDF:42.5/39

All: 0.000+/-0.012 χ^2/NDF: 79.9/75

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: 78.182+/-0.014 χ^2/NDF:486741.0/19

Left: 77.495+/-0.010 χ^2/NDF: 860213.3/40

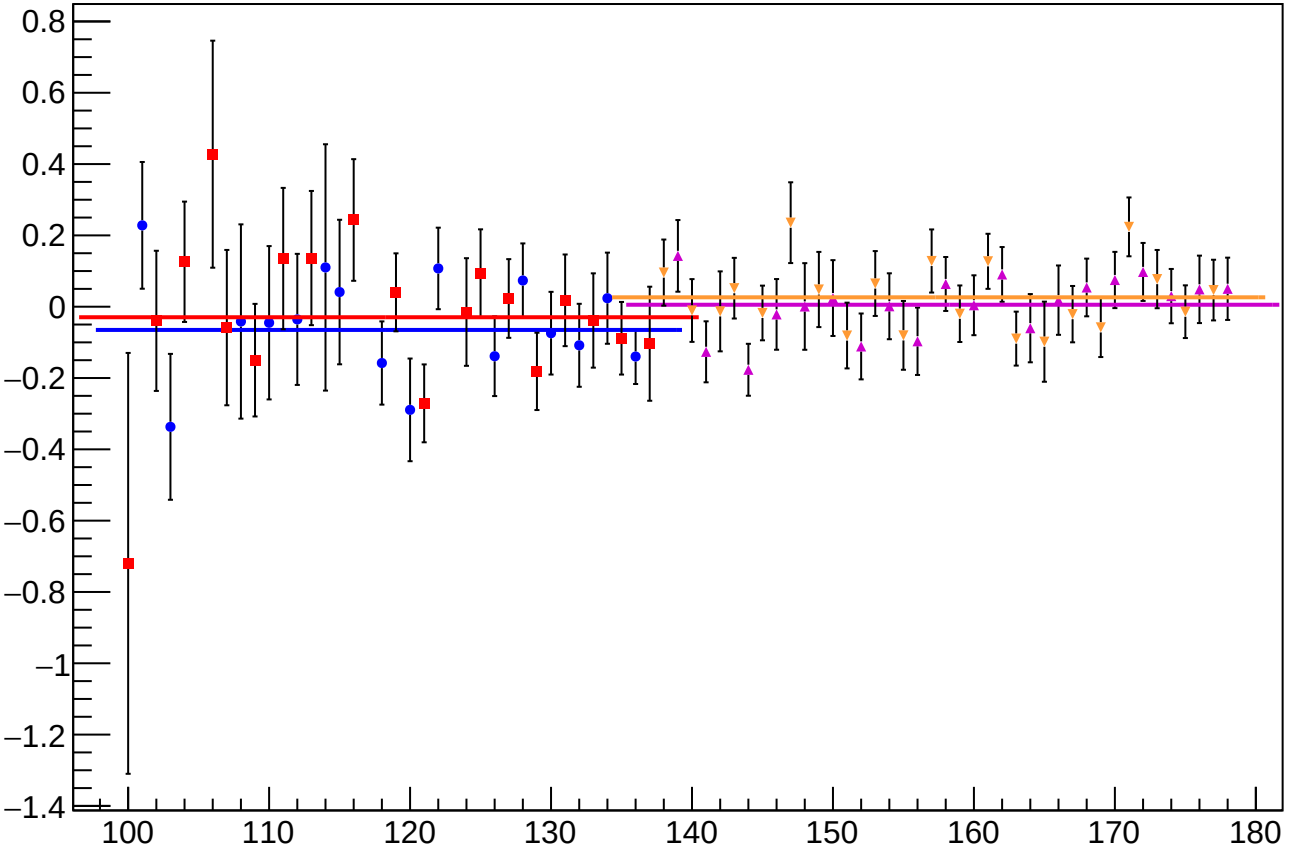
Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 80.175+/-0.012 χ^2/NDF:1602434.4/35

Out: 79.145+/-0.012 χ^2/NDF:1477616.1/39

All: 79.646+/-0.008 χ^2/NDF: 3083873.8/75

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: 0.005+/-0.020 χ^2/NDF:18.7/19

Left: 0.016+/-0.014 χ^2/NDF: 41.6/40

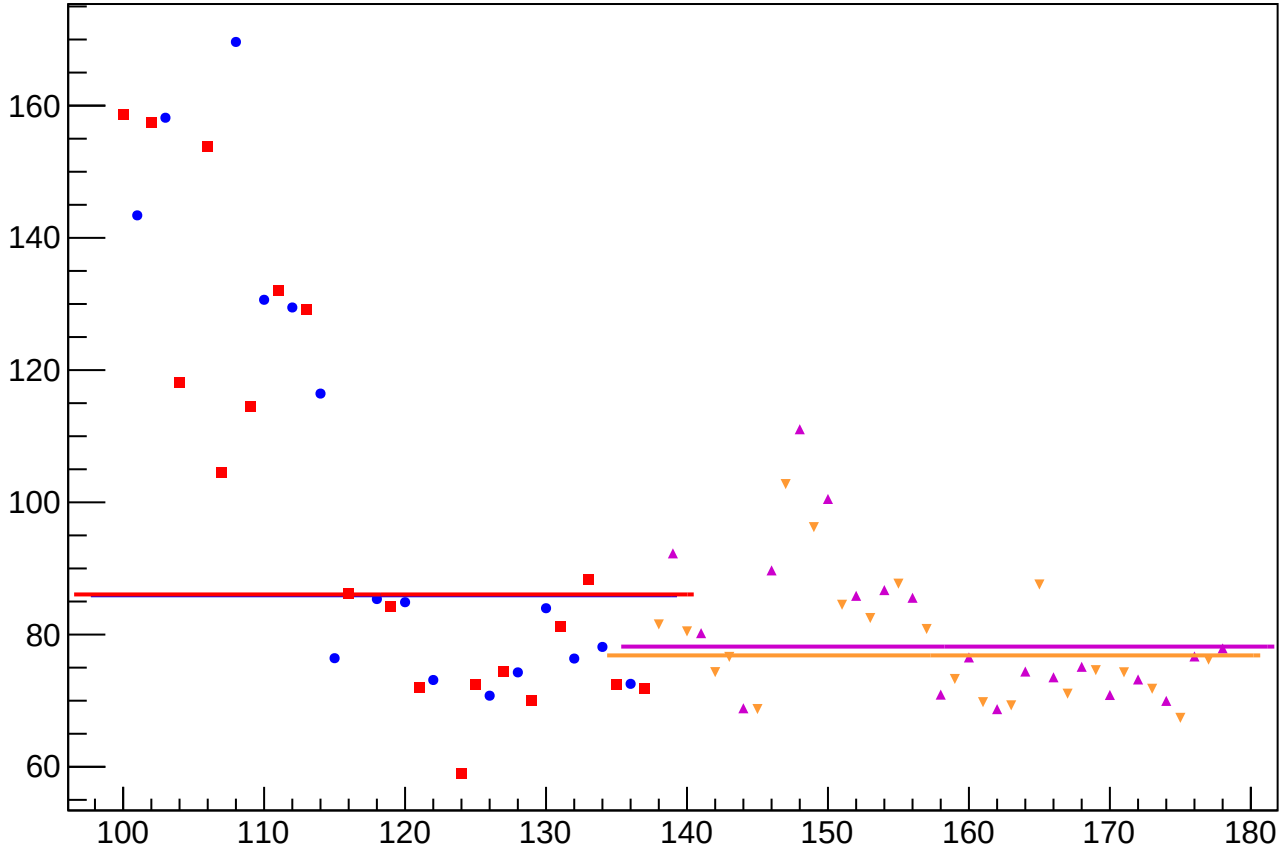
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.013+/-0.017 χ^2/NDF:36.2/35

Out: 0.012+/-0.016 χ^2/NDF:42.5/39

All: 0.000+/-0.012 χ^2/NDF: 79.9/75

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: 78.182+/-0.014 χ^2/NDF:486741.0/19

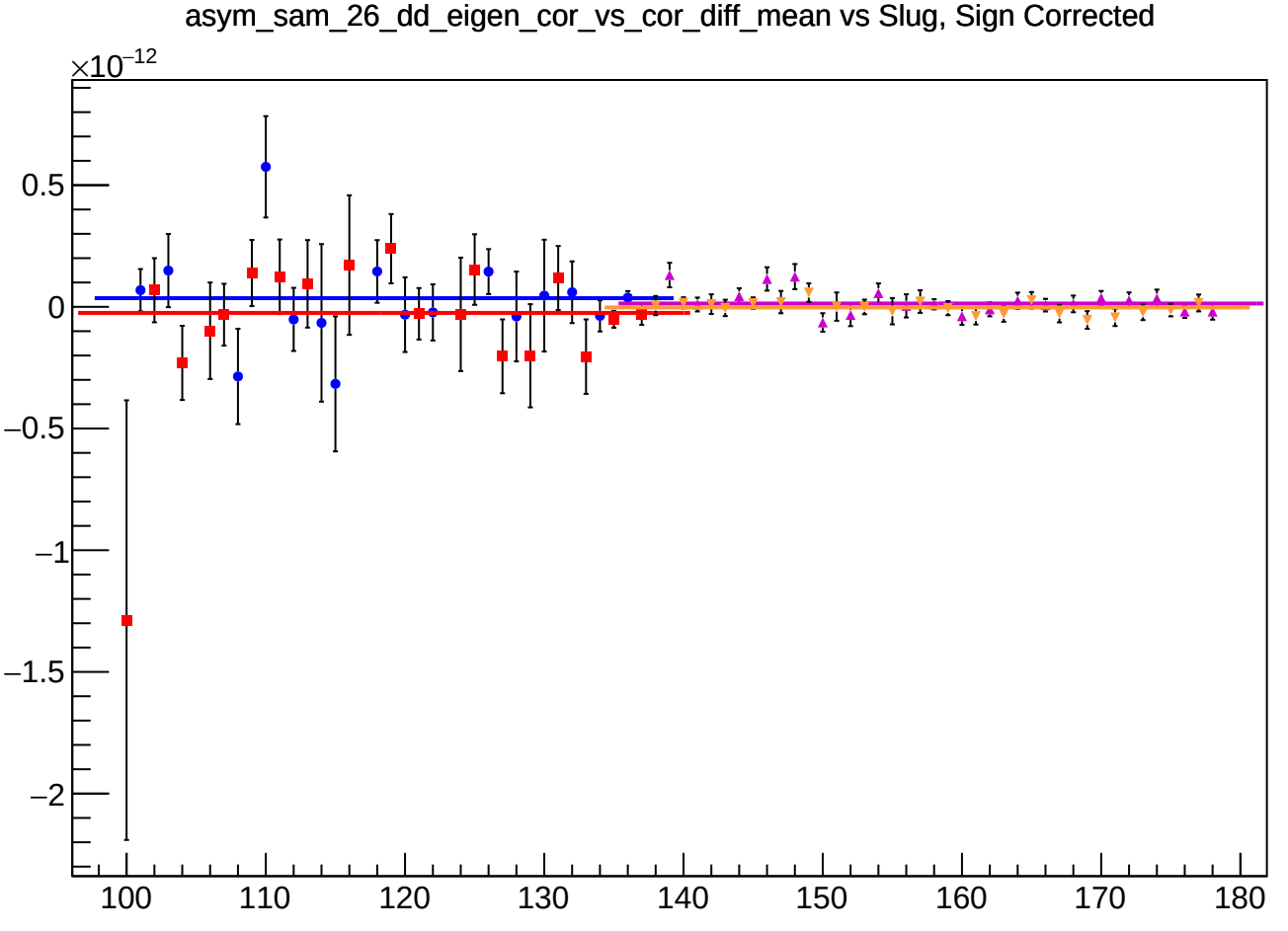
Left: 77.495+/-0.010 χ^2/NDF: 860213.3/40

Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 80.175+/-0.012 χ^2/NDF:1602434.4/35

Out: 79.145+/-0.012 χ^2/NDF:1477616.1/39

All: 79.646+/-0.008 χ^2/NDF: 3083873.8/75



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:28.5/19

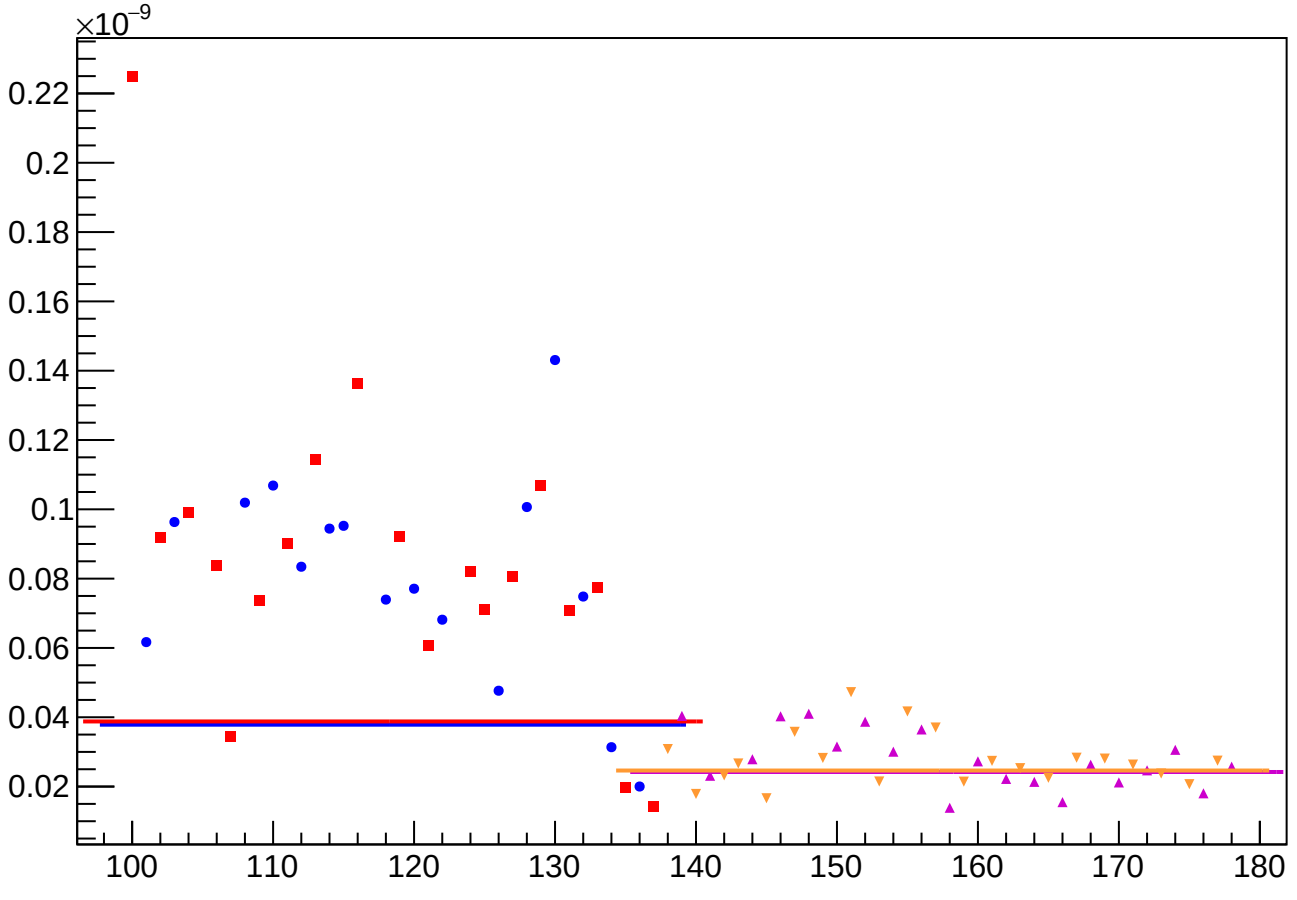
Left: 0.000+/-0.000 χ^2/NDF: 42.8/40

Right: 0.000+/-0.000 χ^2/NDF: 38.2/34

In: 0.000+/-0.000 χ^2/NDF:45.9/35

Out: -0.000+/-0.000 χ^2/NDF:30.6/39

All: 0.000+/-0.000 χ^2/NDF: 81.0/75



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:2073336.0/19

Left: 0.000+/-0.000 χ^2/NDF: 3498927.5/40

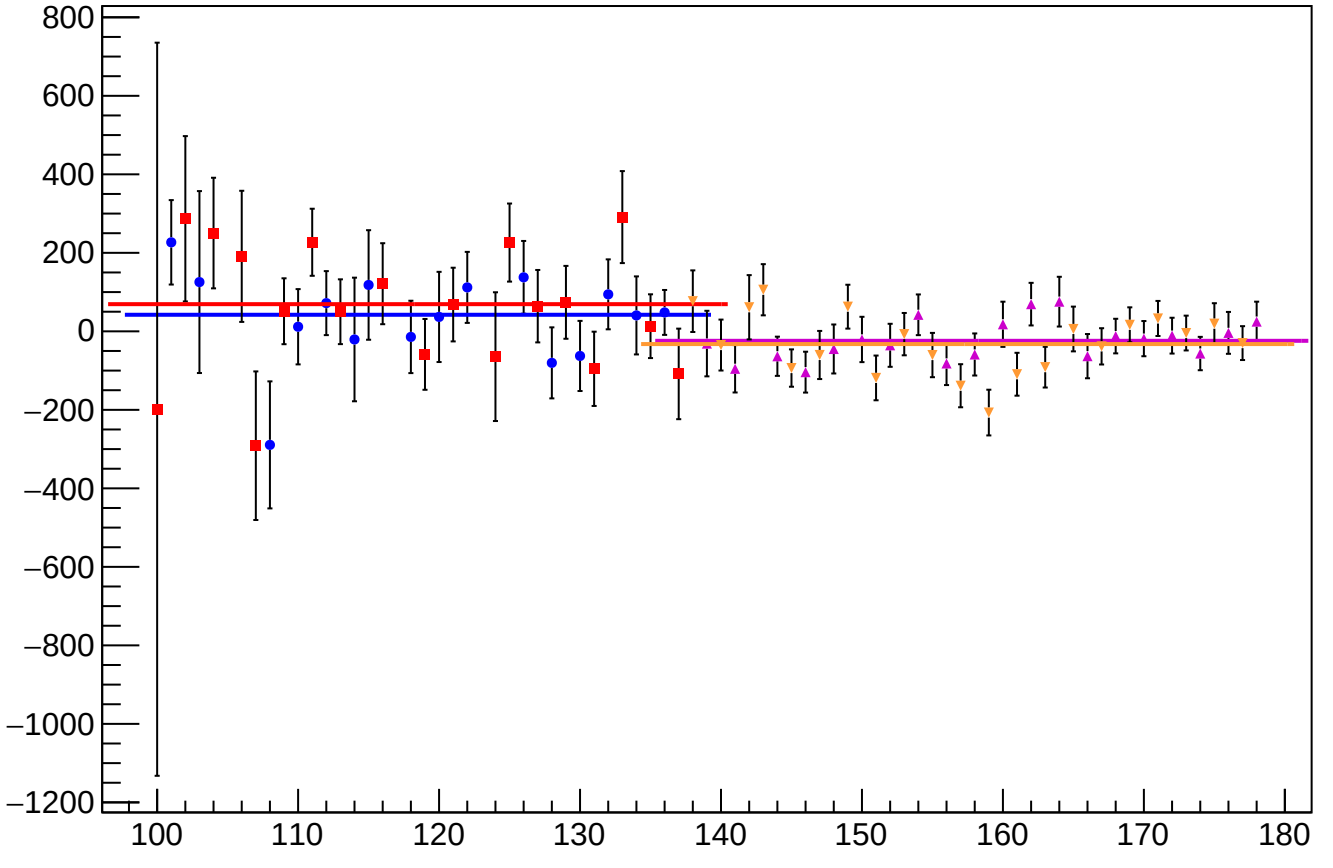
Right: 0.000+/-0.000 χ^2/NDF: 7580417.6/34

In: 0.000+/-0.000 χ^2/NDF:6306917.5/35

Out: 0.000+/-0.000 χ^2/NDF:6279380.7/39

All: 0.000+/-0.000 χ^2/NDF: 12587752.9/75

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: -24.132+/-11.852 χ^2/NDF:16.0/19

Left: -28.335+/-8.326 χ^2/NDF: 52.7/40

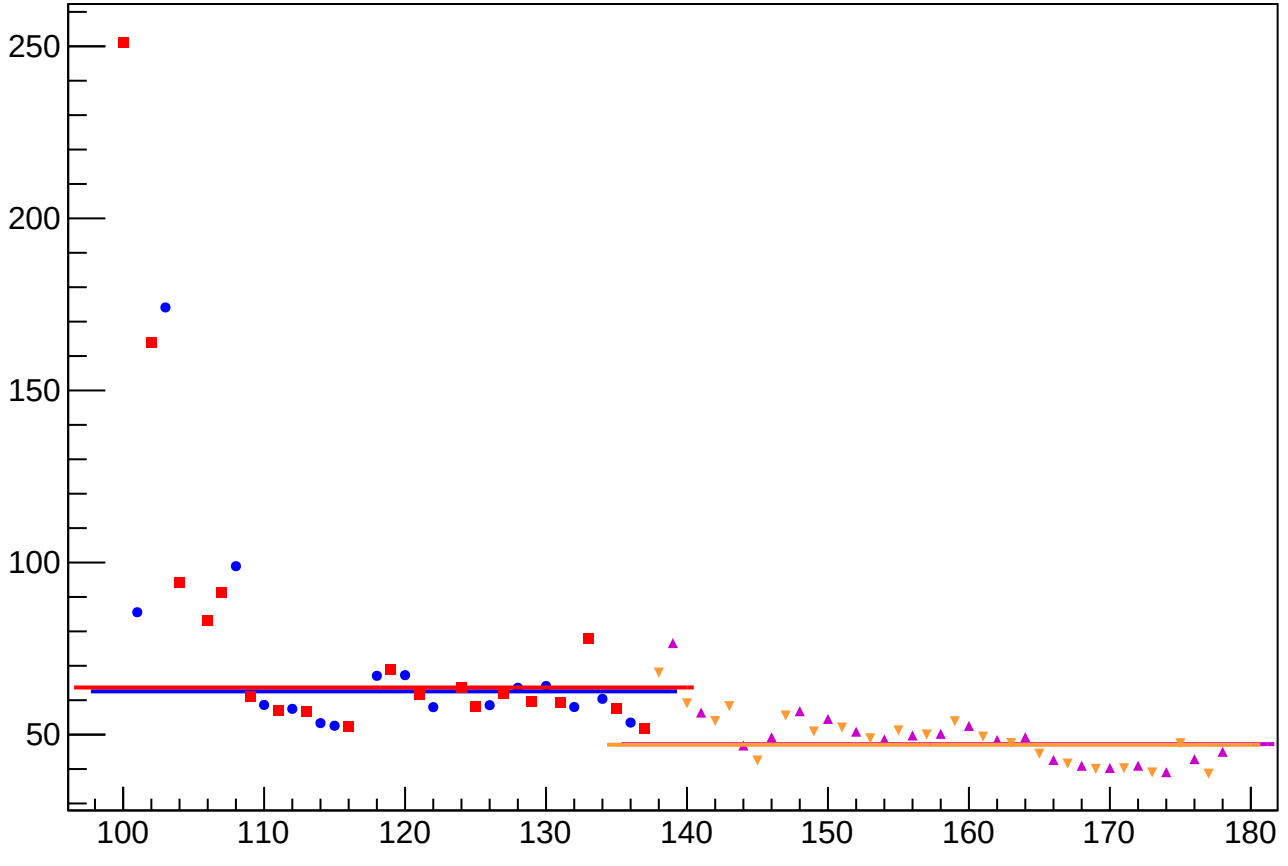
Right: 55.617+/-17.191 χ^2/NDF: 39.5/34

In: -11.302+/-10.645 χ^2/NDF:35.6/35

Out: -13.450+/-10.550 χ^2/NDF:75.9/39

All: -12.385+/-7.493 χ^2/NDF: 111.5/75

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: 47.242+/-0.008 χ^2/NDF:646373.5/19

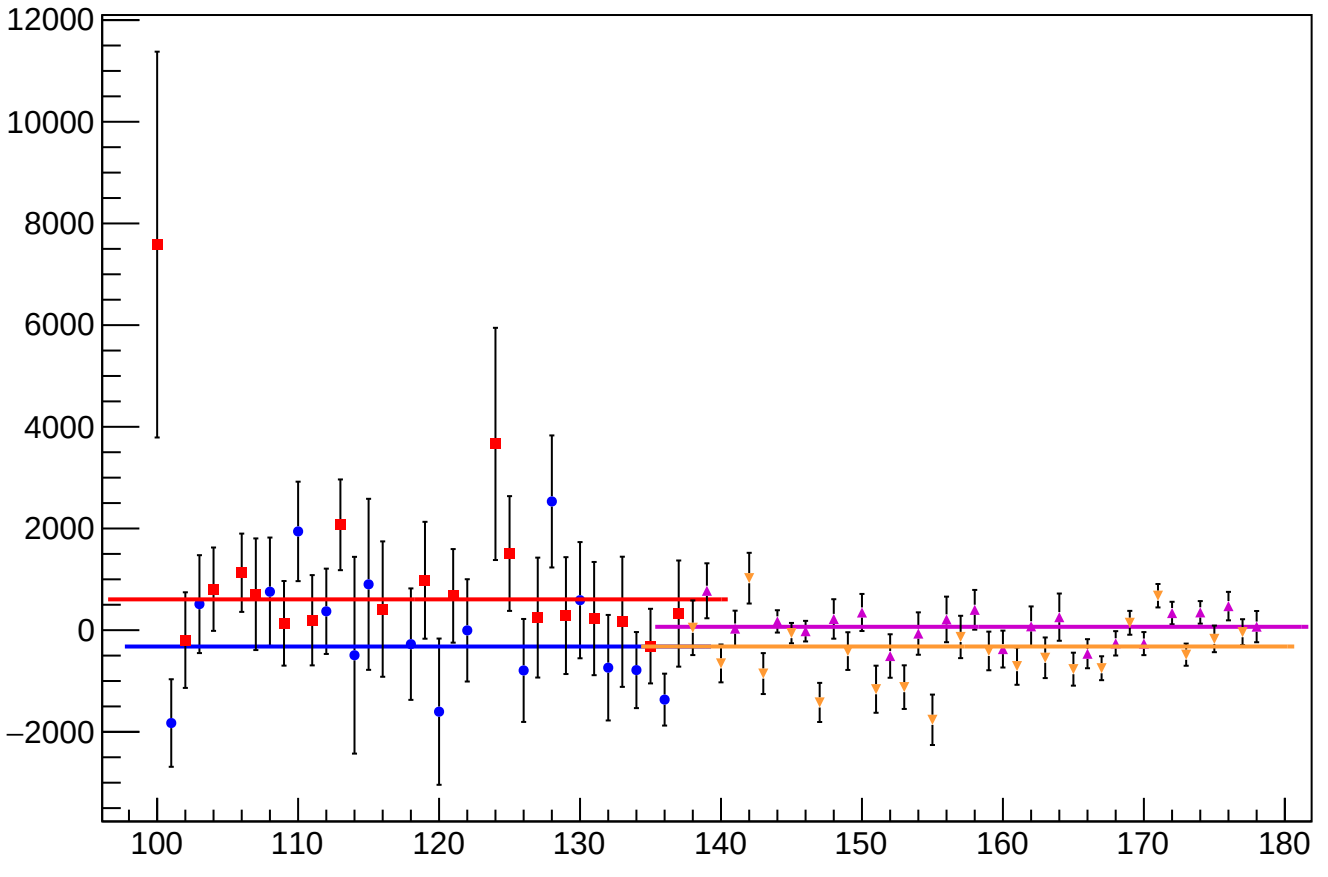
Left: 47.152+/-0.006 χ^2/NDF: 1334755.4/40

Right: 63.127+/-0.012 χ^2/NDF: 1594958.1/34

In: 50.205+/-0.008 χ^2/NDF:2051481.9/35

Out: 50.170+/-0.007 χ^2/NDF:2277269.7/39

All: 50.187+/-0.005 χ^2/NDF: 4328762.6/75



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: 66.105+/-66.602 χ^2/NDF:19.9/19

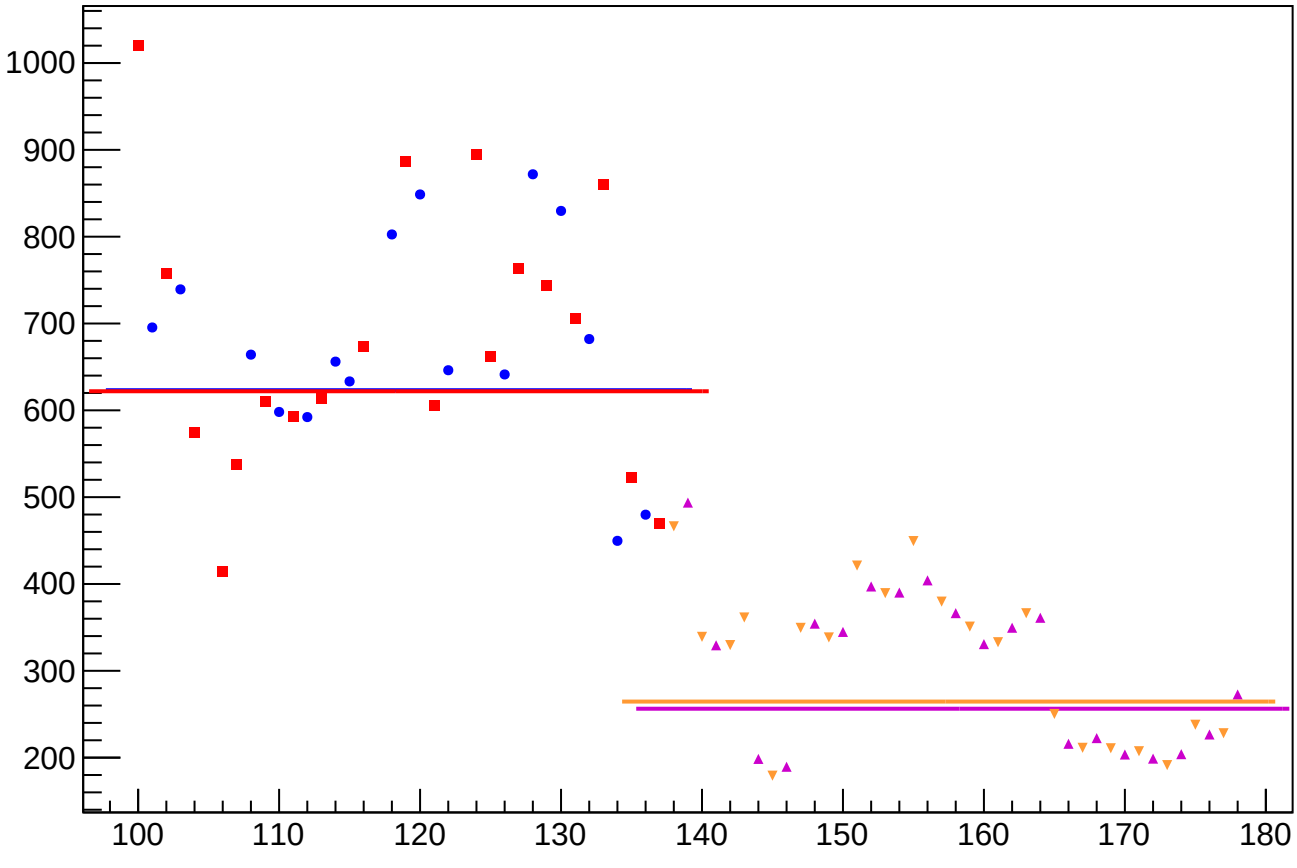
Left: -123.382+/-47.597 χ^2/NDF: 103.6/40

Right: 151.604+/-166.895 χ^2/NDF: 42.9/34

In: 38.050+/-64.147 χ^2/NDF:45.1/35

Out: -248.697+/-65.333 χ^2/NDF:94.1/39

All: -102.699+/-45.772 χ^2/NDF: 149.0/75



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: 256.337+/-0.047 χ^2/NDF:2633715.1/19

Left: 260.369+/-0.034 χ^2/NDF: 5453499.6/40

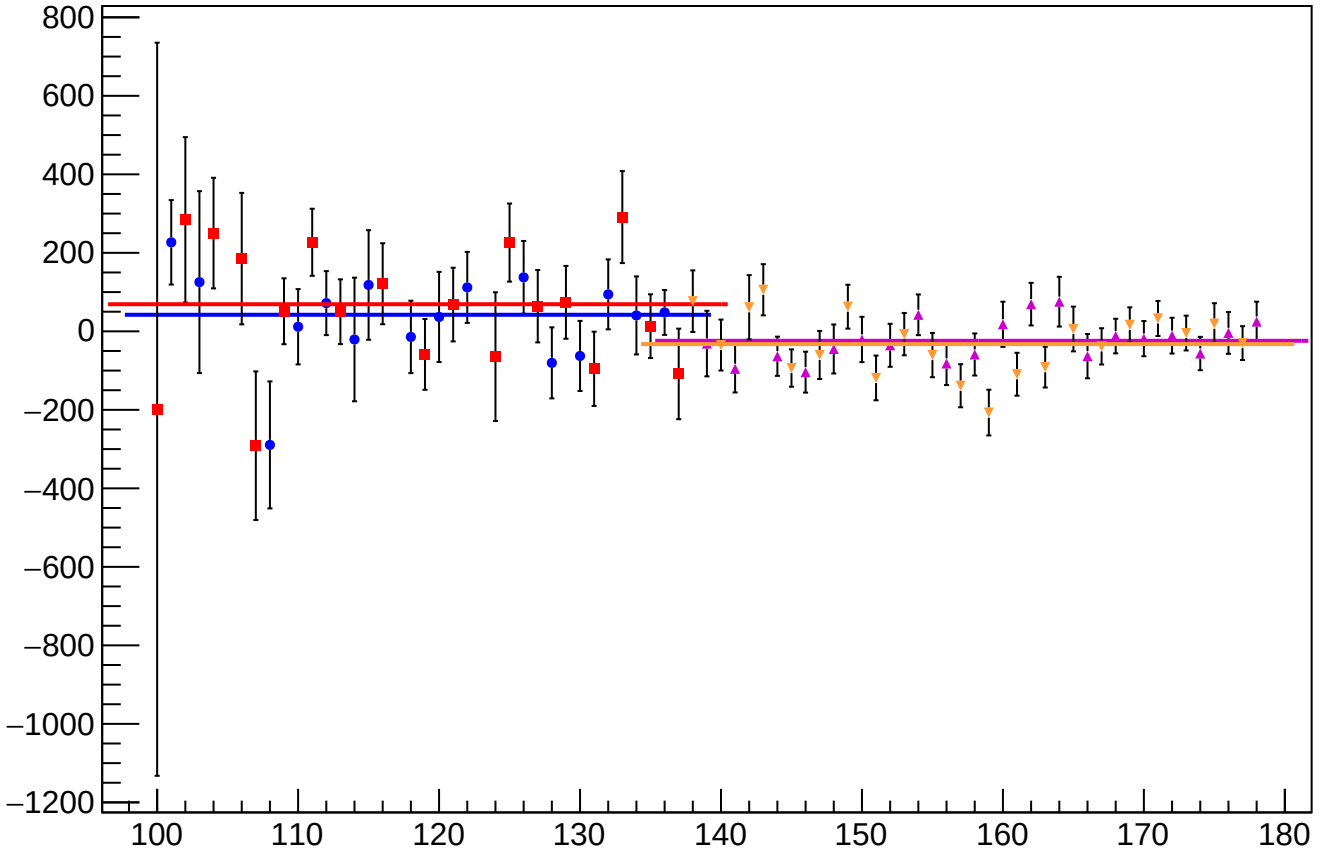
Right: 622.565+/-0.118 χ^2/NDF: 1148142.8/34

In: 282.878+/-0.045 χ^2/NDF:7589248.1/35

Out: 292.524+/-0.046 χ^2/NDF:7701231.2/39

All: 287.613+/-0.032 χ^2/NDF: 15312677.0/75

cor_asym_sam_37_dd_mean vs Slug, Sign Corrected



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: -24.130+/-11.852 χ^2/NDF:16.0/19

Left: -28.333+/-8.326 χ^2/NDF: 52.7/40

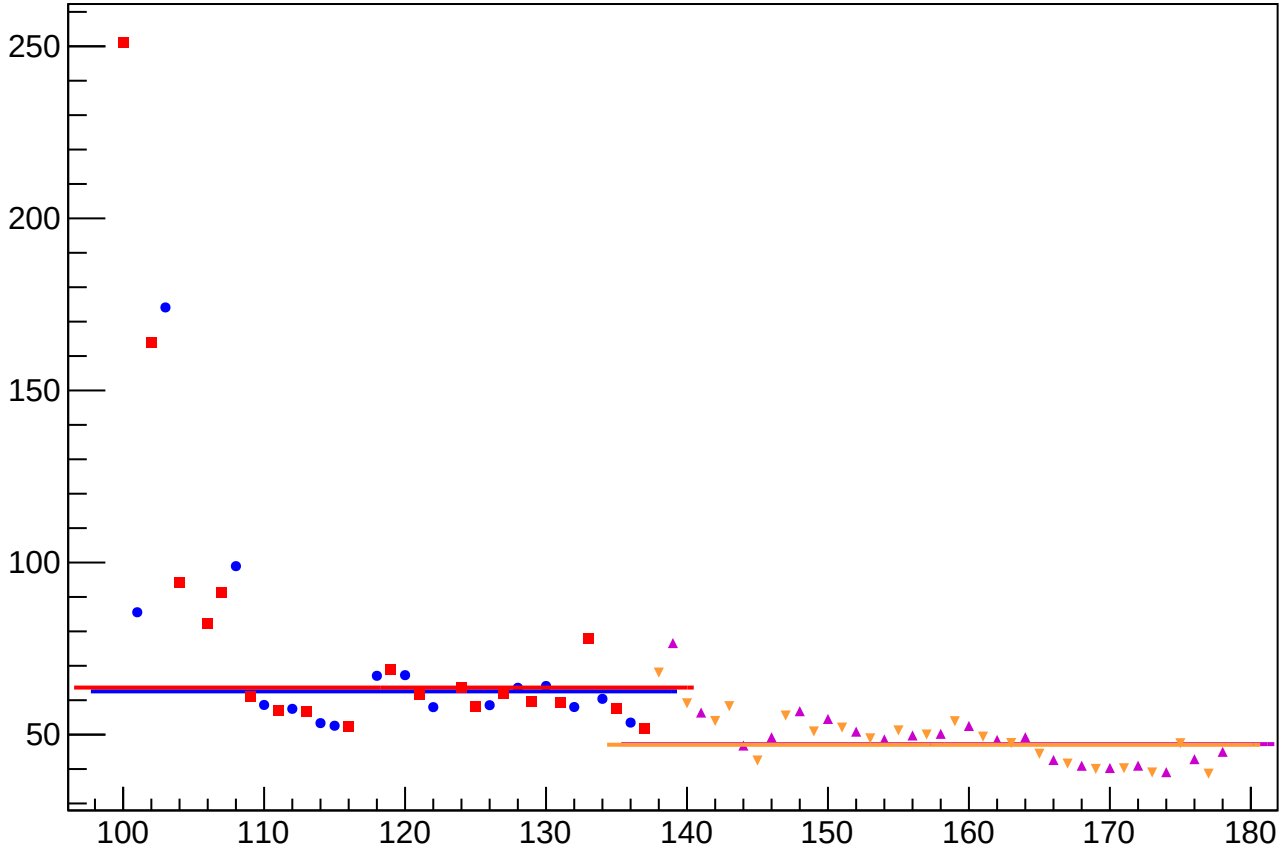
Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -11.301+/-10.645 χ^2/NDF:35.6/35

Out: -13.484+/-10.550 χ^2/NDF:75.8/39

All: -12.402+/-7.493 χ^2/NDF: 111.4/75

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: 47.242+/-0.008 χ^2/NDF:646373.5/19

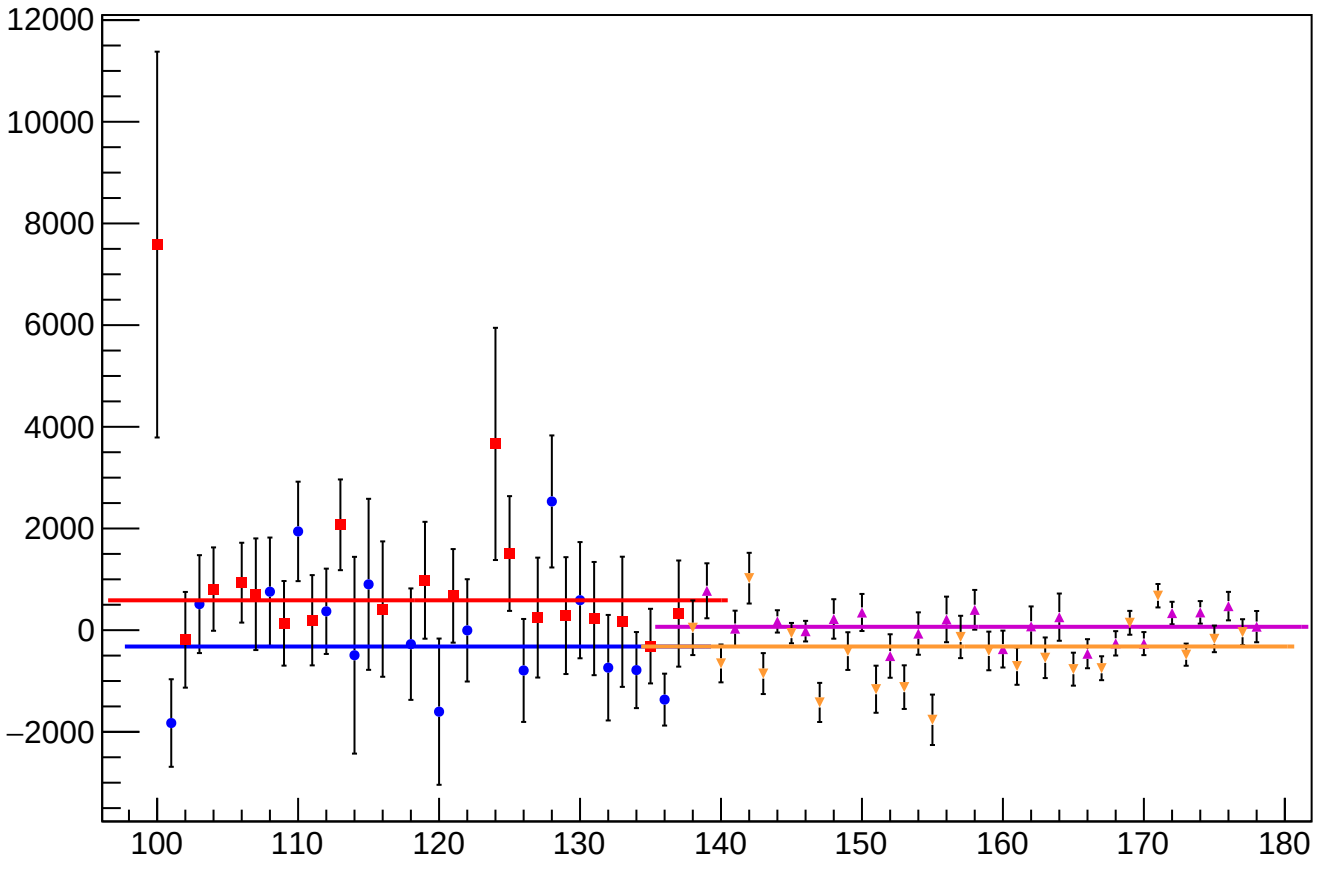
Left: 47.152+/-0.006 χ^2/NDF: 1334755.3/40

Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 50.205+/-0.008 χ^2/NDF:2051483.7/35

Out: 50.165+/-0.007 χ^2/NDF:2272258.1/39

All: 50.185+/-0.005 χ^2/NDF: 4323755.9/75



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: 66.108+/-66.602 χ^2/NDF:19.9/19

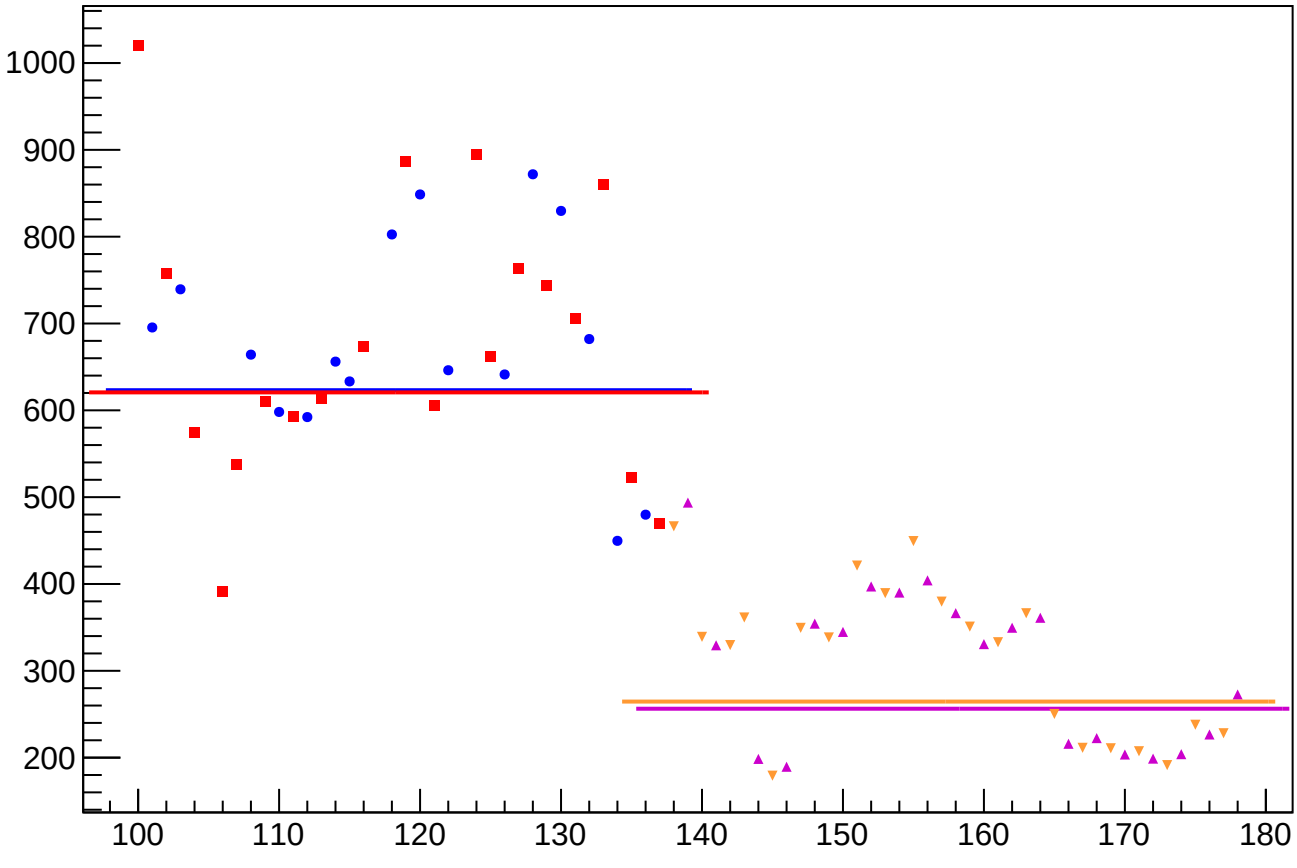
Left: -123.379+/-47.597 χ^2/NDF: 103.6/40

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 38.053+/-64.147 χ^2/NDF:45.1/35

Out: -250.395+/-65.342 χ^2/NDF:93.2/39

All: -103.509+/-45.776 χ^2/NDF: 148.2/75



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: 256.337+/-0.047 χ^2/NDF:2633710.2/19

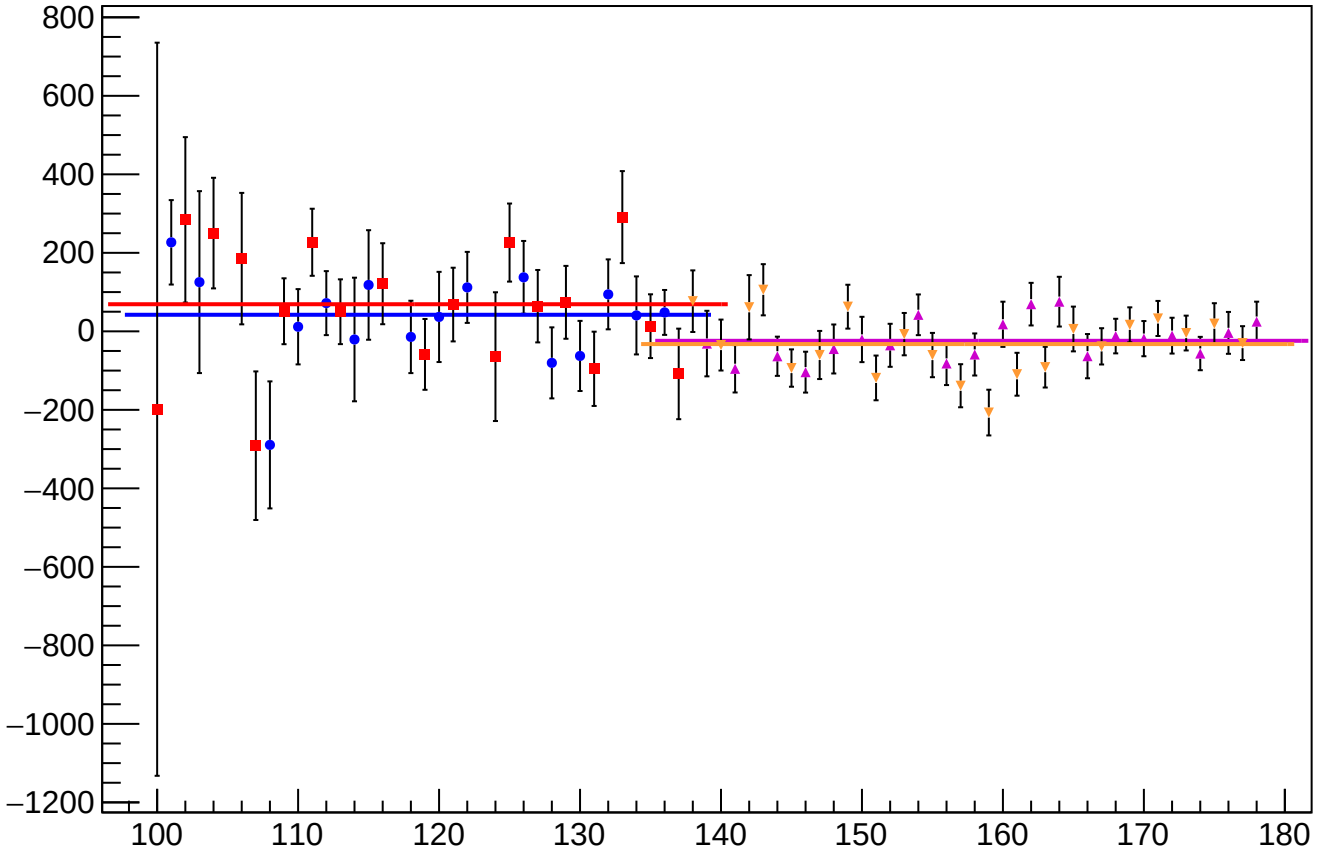
Left: 260.369+/-0.034 χ^2/NDF: 5453498.8/40

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 282.878+/-0.045 χ^2/NDF:7589291.8/35

Out: 292.326+/-0.046 χ^2/NDF:7683079.3/39

All: 287.515+/-0.032 χ^2/NDF: 15293665.1/75



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: -24.130+/-11.852 χ^2/NDF:16.0/19

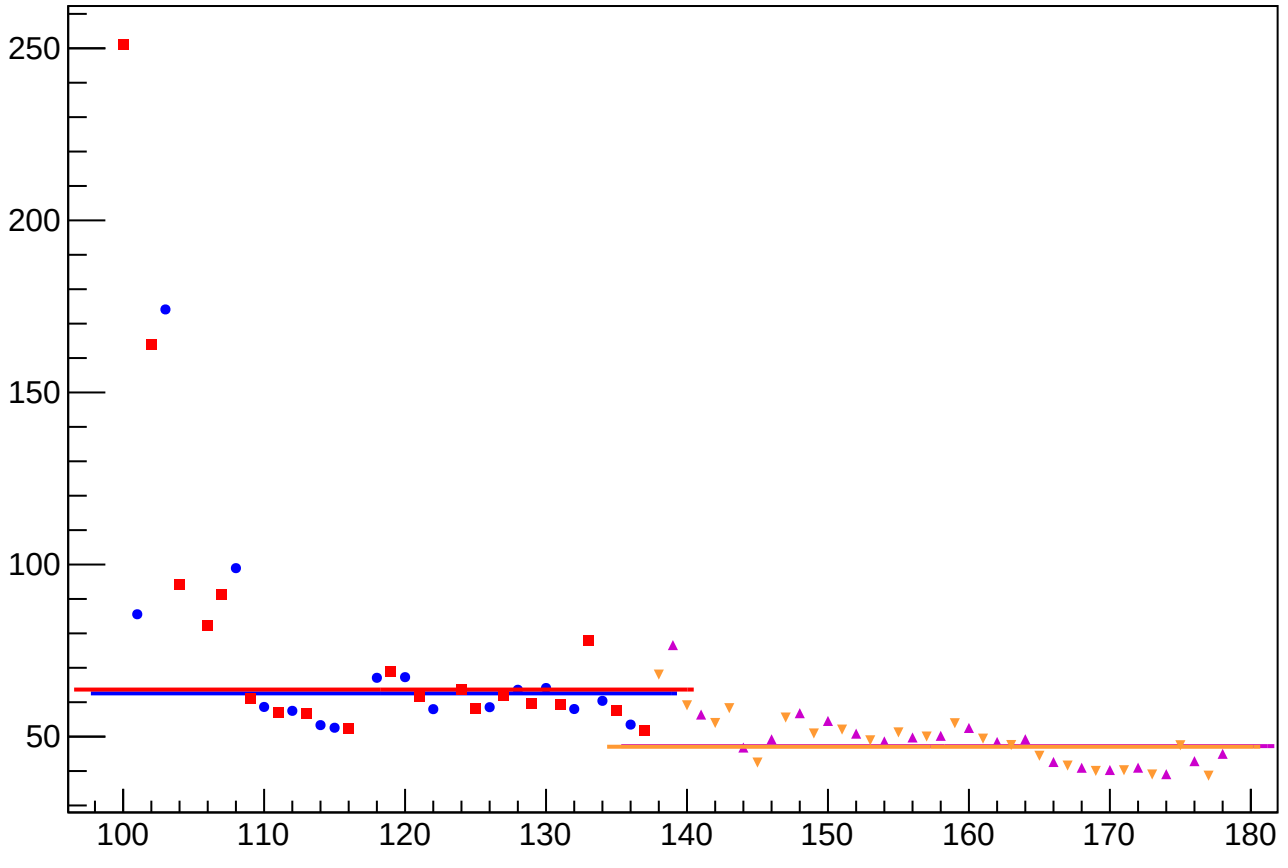
Left: -28.333+/-8.326 χ^2/NDF: 52.7/40

Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -11.301+/-10.645 χ^2/NDF:35.6/35

Out: -13.484+/-10.550 χ^2/NDF:75.8/39

All: -12.402+/-7.493 χ^2/NDF: 111.4/75



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: 47.242+/-0.008 χ^2/NDF:646373.5/19

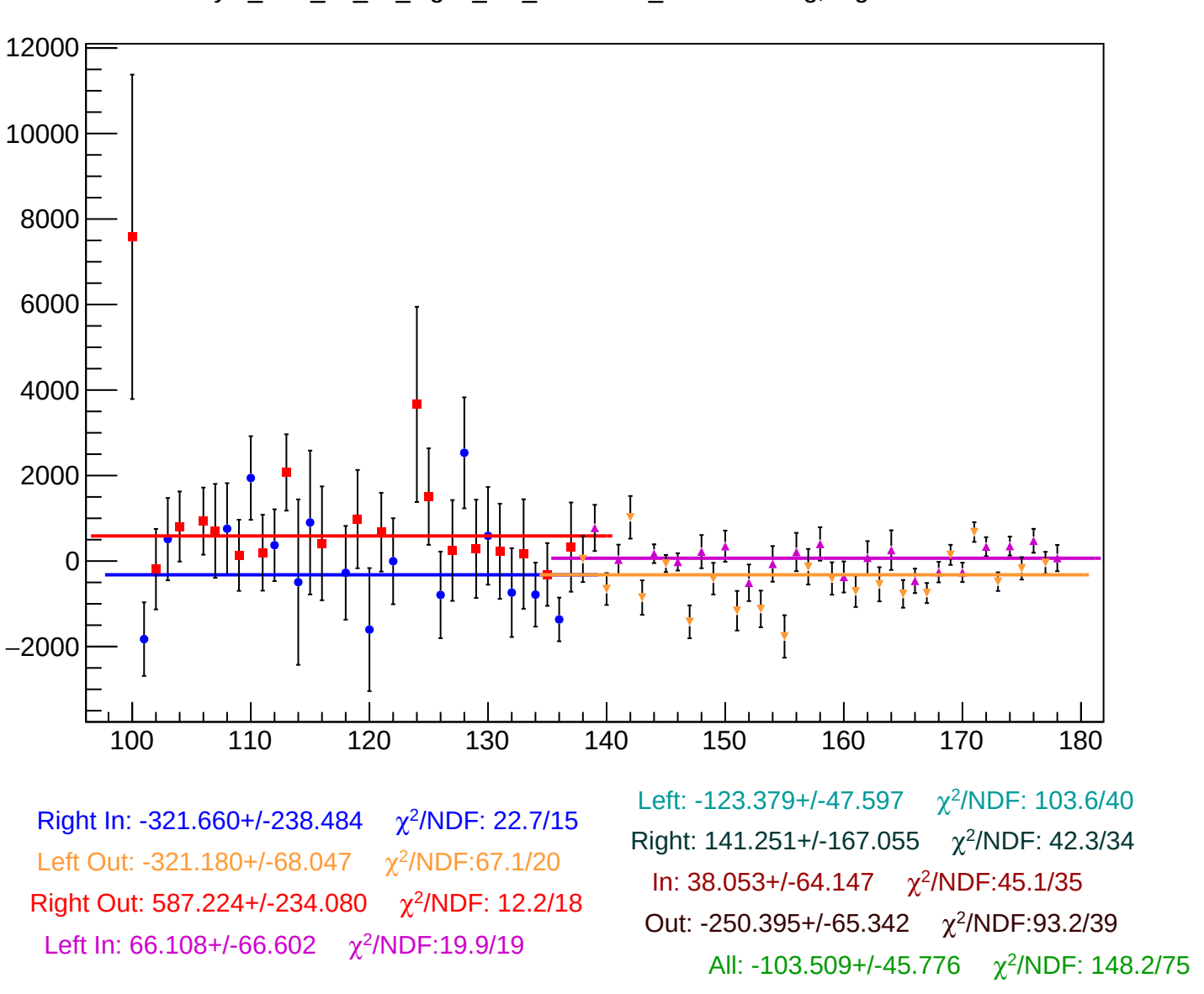
Left: 47.152+/-0.006 χ^2/NDF: 1334755.3/40

Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

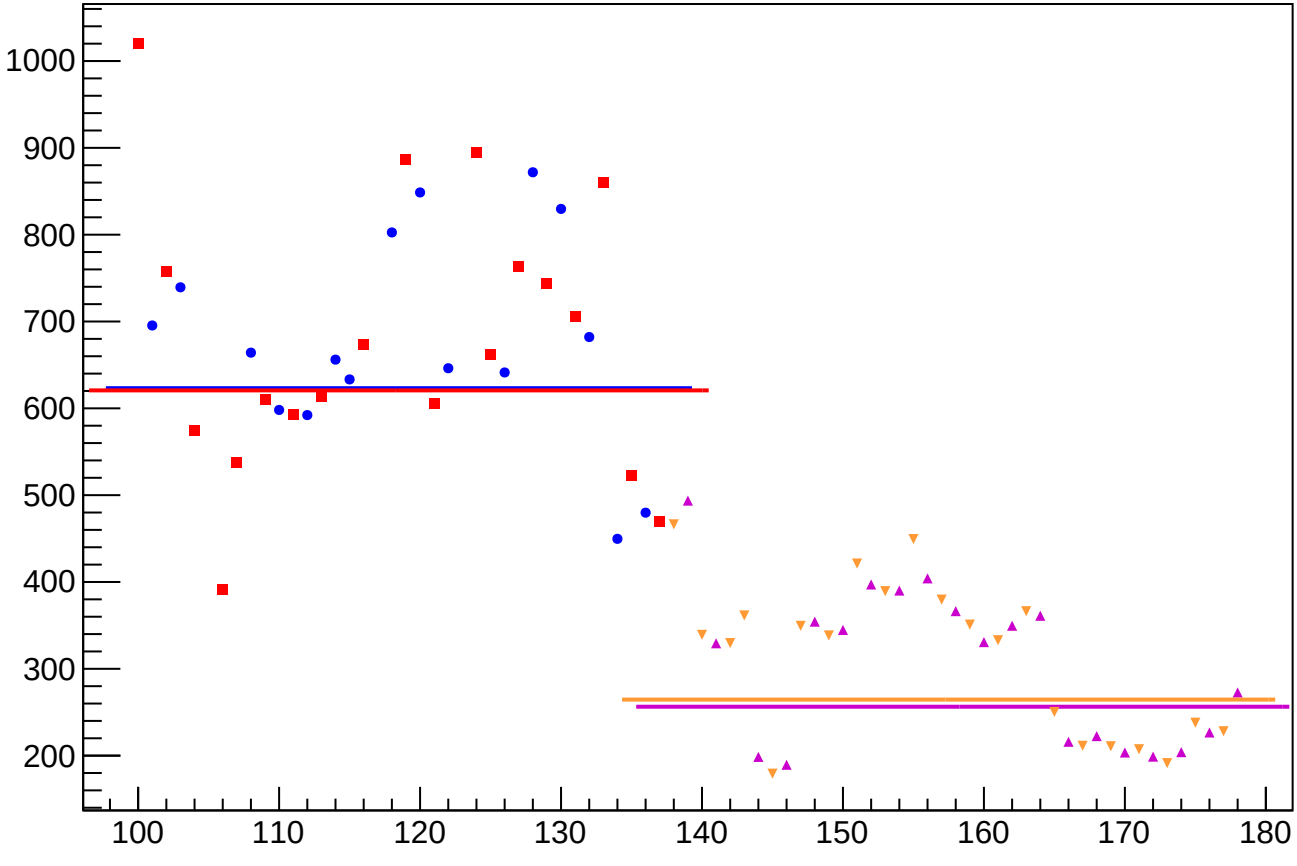
In: 50.205+/-0.008 χ^2/NDF:2051483.7/35

Out: 50.165+/-0.007 χ^2/NDF:2272258.1/39

All: 50.185+/-0.005 χ^2/NDF: 4323755.9/75


asym_sam_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
180
Right In: -321.660+/-238.484 χ²/NDF: 22.7/15
Left Out: -321.180+/-68.047 χ²/NDF:67.1/20
Right Out: 587.224+/-234.080 χ²/NDF: 12.2/18
Left In: 66.108+/-66.602 χ²/NDF:19.9/19
Left: -123.379+/-47.597 χ²/NDF: 103.6/40
Right: 141.251+/-167.055 χ²/NDF: 42.3/34
In: 38.053+/-64.147 χ²/NDF:45.1/35
Out: -250.395+/-65.342 χ²/NDF:93.2/39
All: -103.509+/-45.776 χ²/NDF: 148.2/75

asym_sam_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 264.579+/-0.048 χ^2/NDF:2804803.0/20

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 256.337+/-0.047 χ^2/NDF:2633710.2/19

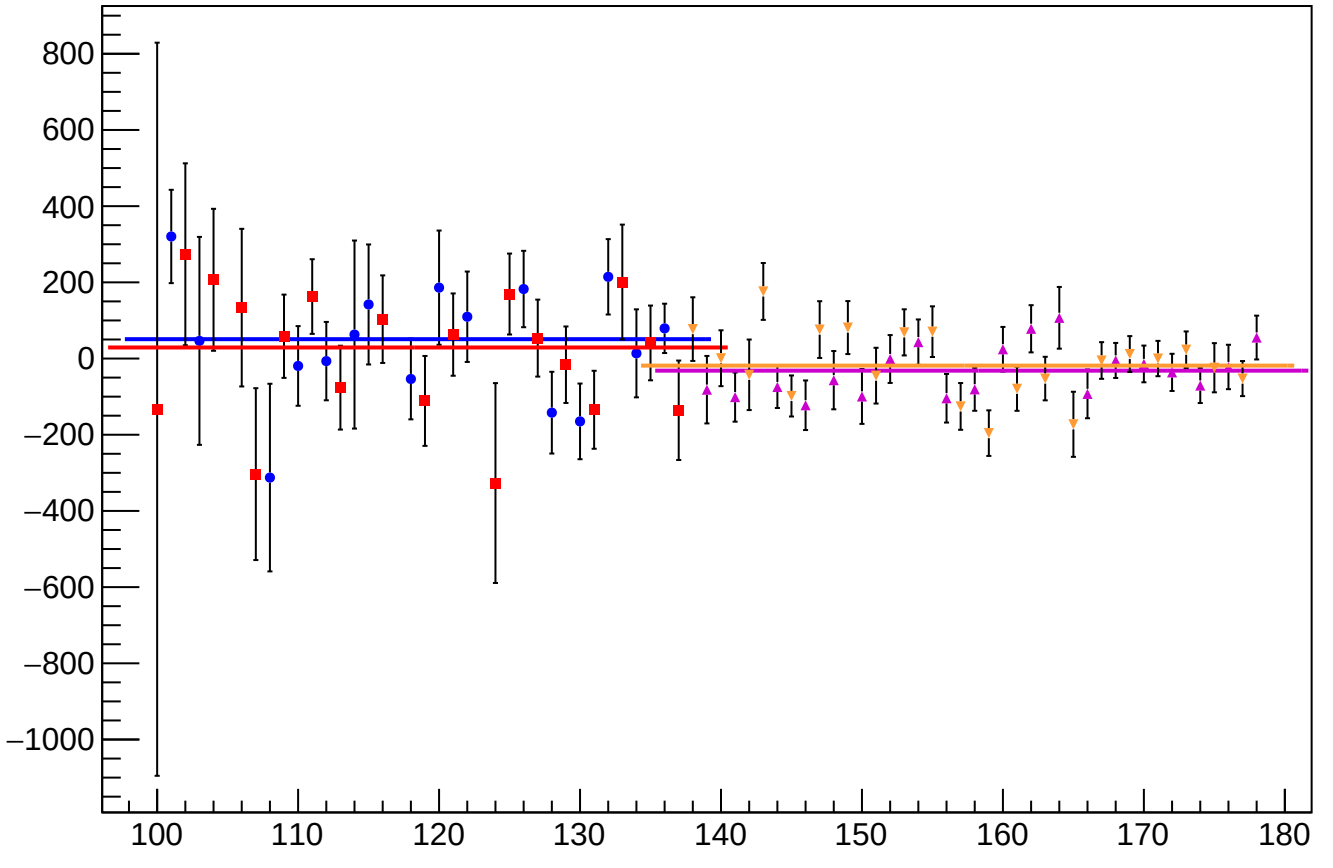
Left: 260.369+/-0.034 χ^2/NDF: 5453498.8/40

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 282.878+/-0.045 χ^2/NDF:7589291.8/35

Out: 292.326+/-0.046 χ^2/NDF:7683079.3/39

All: 287.515+/-0.032 χ^2/NDF: 15293665.1/75



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: -31.810+/-13.205 χ^2/NDF:20.3/19

Left: -25.122+/-9.300 χ^2/NDF: 57.4/40

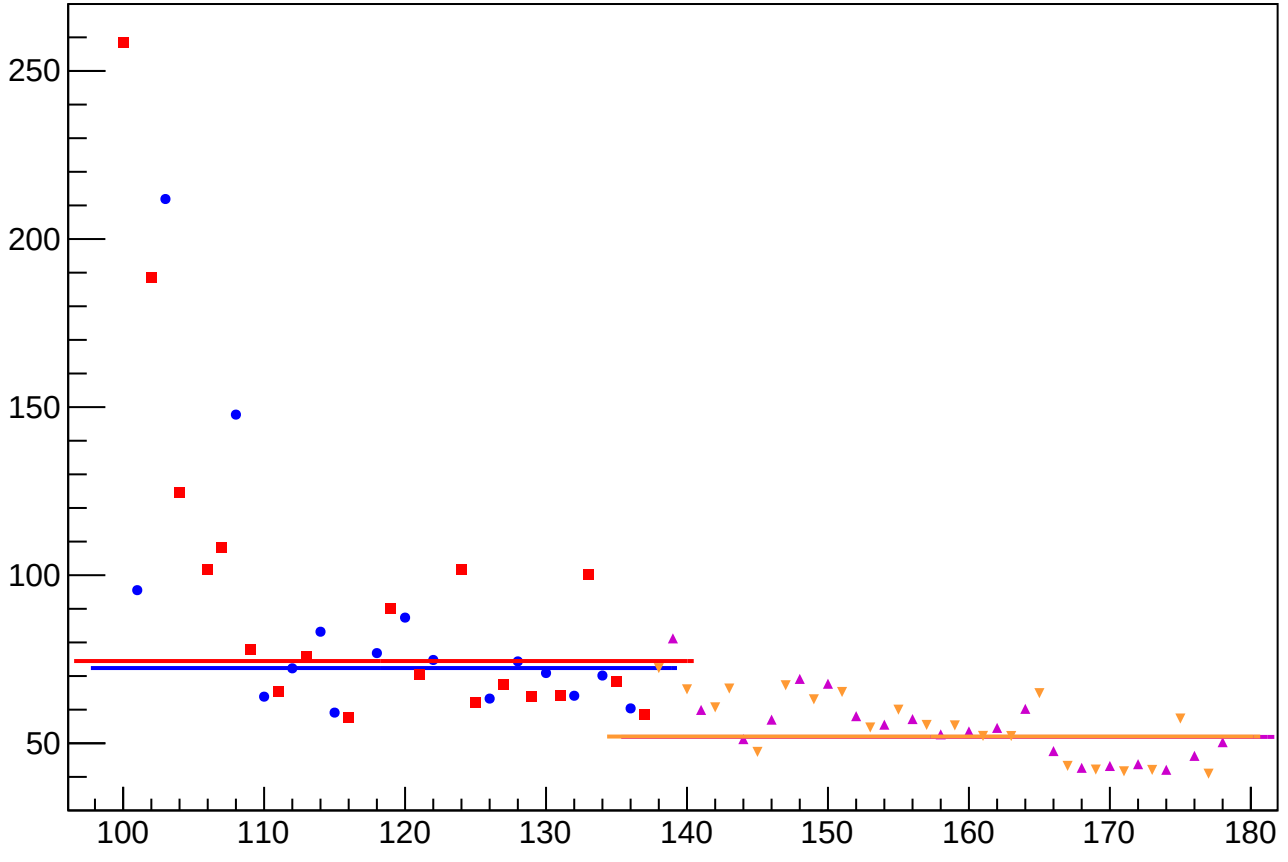
Right: 40.166+/-20.229 χ^2/NDF: 41.7/34

In: -17.046+/-11.968 χ^2/NDF:50.2/35

Out: -10.435+/-11.932 χ^2/NDF:57.4/39

All: -13.730+/-8.450 χ^2/NDF: 107.7/75

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 52.004+/-0.009 χ^2/NDF:1056140.6/20

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 51.891+/-0.009 χ^2/NDF:847824.3/19

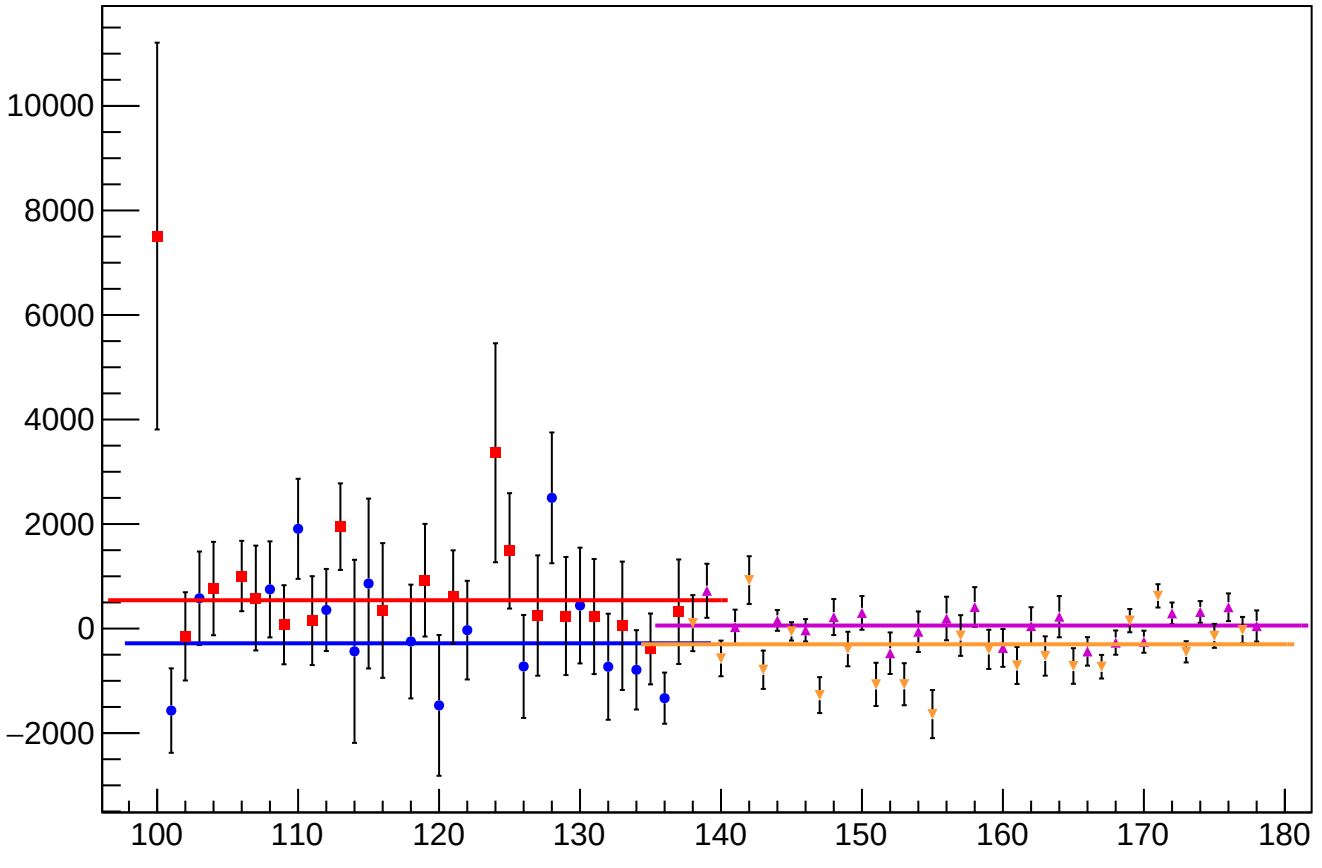
Left: 51.948+/-0.007 χ^2/NDF: 1904038.7/40

Right: 73.399+/-0.014 χ^2/NDF: 1995784.4/34

In: 55.551+/-0.008 χ^2/NDF:2645872.7/35

Out: 55.830+/-0.008 χ^2/NDF:3109874.0/39

All: 55.691+/-0.006 χ^2/NDF: 5756293.7/75



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: 57.764+/-63.035 χ^2/NDF:19.3/19

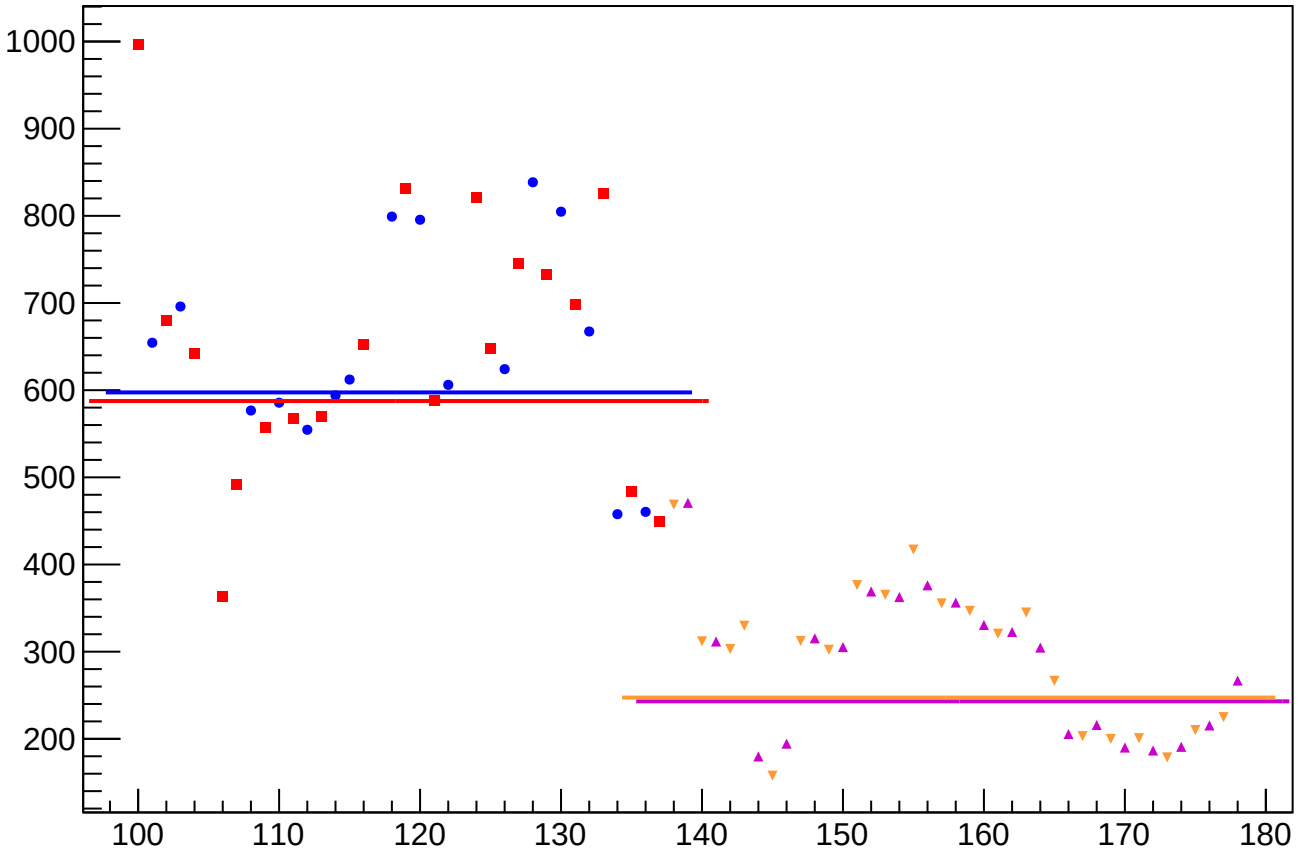
Left: -119.880+/-44.755 χ^2/NDF: 101.6/40

Right: 142.636+/-158.581 χ^2/NDF: 42.8/34

In: 33.593+/-60.752 χ^2/NDF:44.2/35

Out: -236.057+/-61.076 χ^2/NDF:93.0/39

All: -100.514+/-43.072 χ^2/NDF: 147.0/75



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: 243.030+/-0.045 χ^2/NDF:2478249.7/19

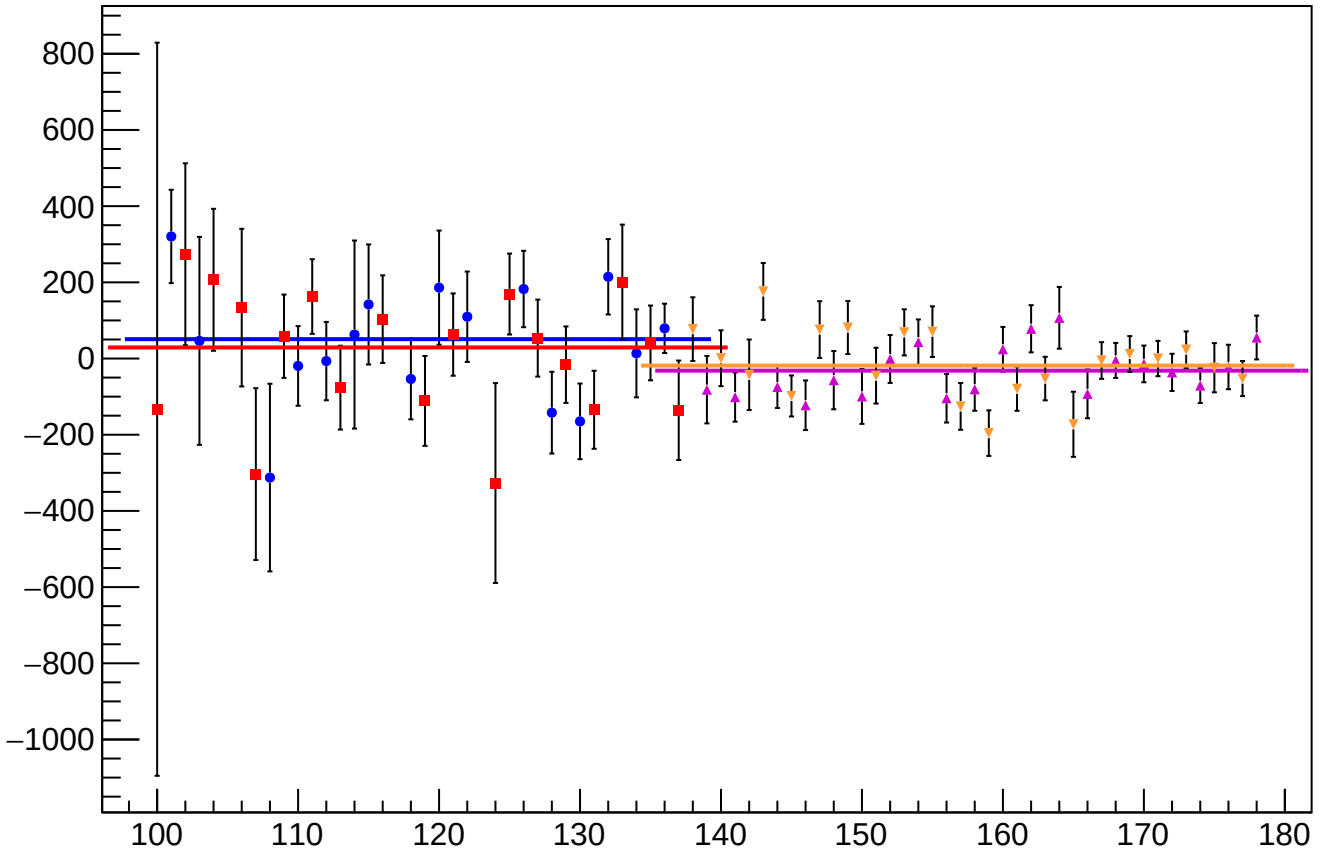
Left: 245.155+/-0.032 χ^2/NDF: 5387068.5/40

Right: 592.350+/-0.112 χ^2/NDF: 1224764.0/34

In: 268.240+/-0.043 χ^2/NDF:7509058.7/35

Out: 273.325+/-0.043 χ^2/NDF:7975377.0/39

All: 270.769+/-0.030 χ^2/NDF: 15491404.4/75



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: -31.810+/-13.205 χ^2/NDF:20.3/19

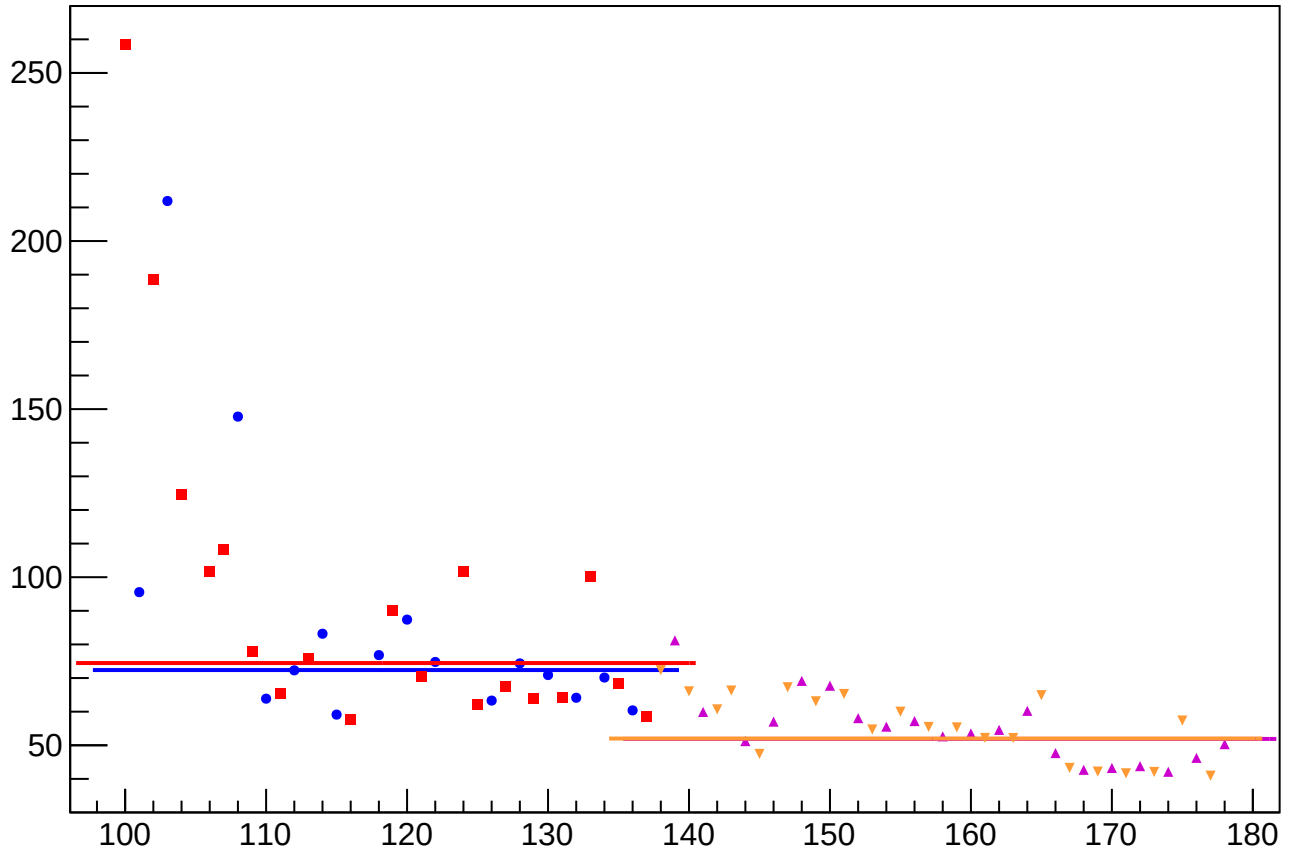
Left: -25.122+/-9.300 χ^2/NDF: 57.4/40

Right: 40.165+/-20.229 χ^2/NDF: 41.7/34

In: -17.046+/-11.968 χ^2/NDF:50.2/35

Out: -10.434+/-11.932 χ^2/NDF:57.4/39

All: -13.730+/-8.450 χ^2/NDF: 107.7/75



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: 51.891+/-0.009 χ^2/NDF:847834.4/19

Left: 51.948+/-0.007 χ^2/NDF: 1904076.5/40

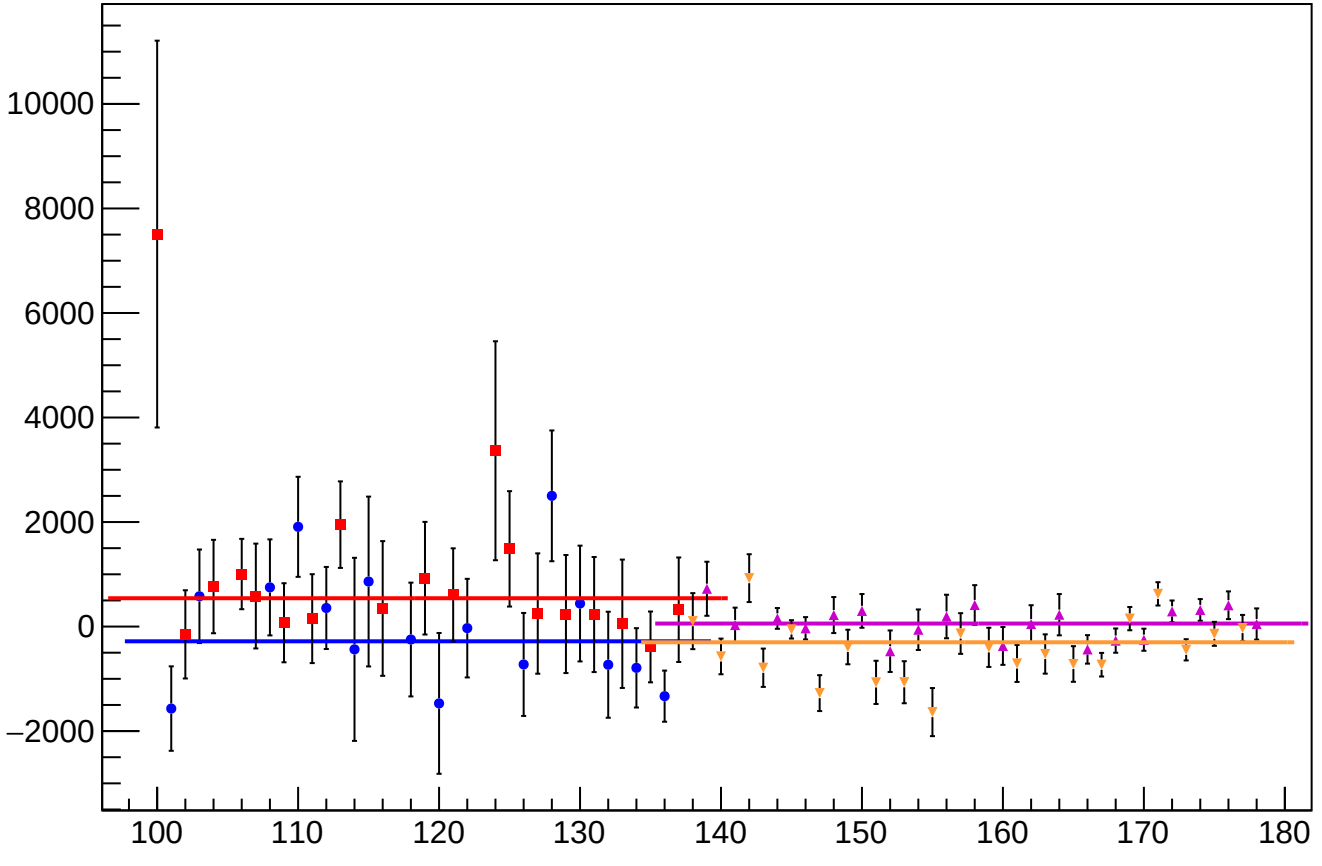
Right: 73.399+/-0.014 χ^2/NDF: 1995782.9/34

In: 55.551+/-0.008 χ^2/NDF:2645871.2/35

Out: 55.830+/-0.008 χ^2/NDF:3109883.3/39

All: 55.691+/-0.006 χ^2/NDF: 5756301.5/75

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: 57.763+/-63.035 χ^2/NDF:19.3/19

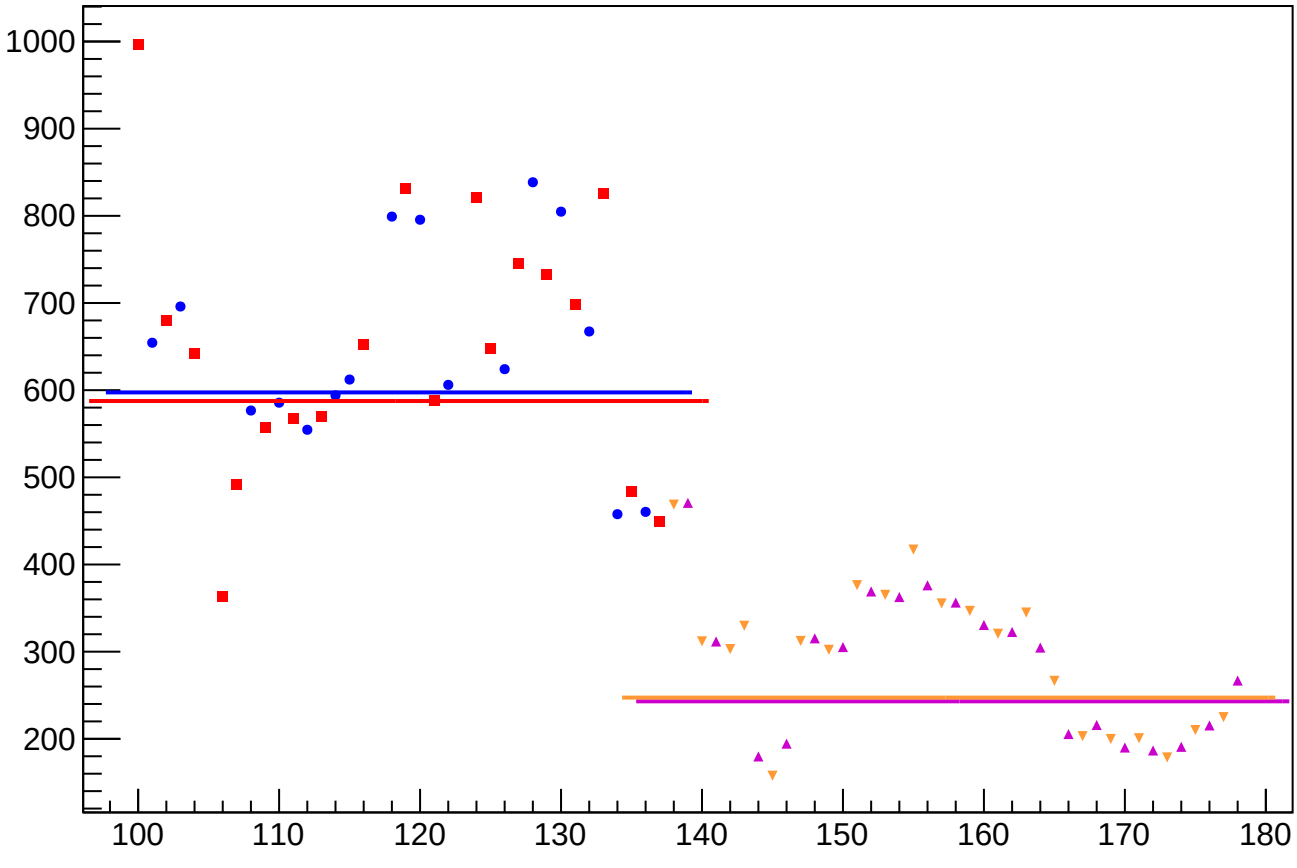
Left: -119.881+/-44.755 χ^2/NDF: 101.6/40

Right: 142.637+/-158.581 χ^2/NDF: 42.8/34

In: 33.593+/-60.752 χ^2/NDF:44.2/35

Out: -236.057+/-61.076 χ^2/NDF:93.0/39

All: -100.514+/-43.072 χ^2/NDF: 147.0/75



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: 243.030+/-0.045 χ^2/NDF:2478243.1/19

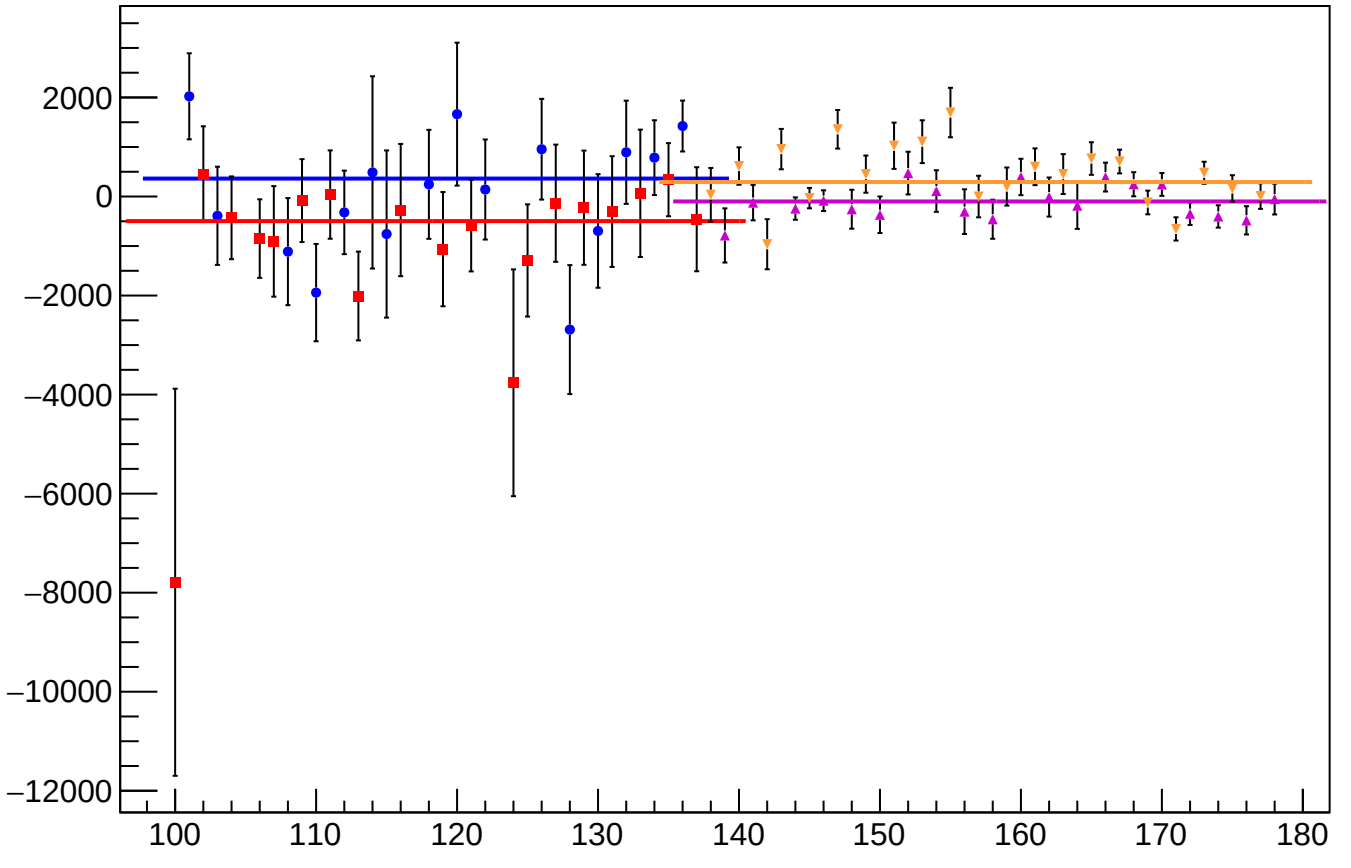
Left: 245.155+/-0.032 χ^2/NDF: 5387052.0/40

Right: 592.350+/-0.112 χ^2/NDF: 1224760.1/34

In: 268.239+/-0.043 χ^2/NDF:7509060.7/35

Out: 273.324+/-0.043 χ^2/NDF:7975365.5/39

All: 270.768+/-0.030 χ^2/NDF: 15491395.1/75



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: -99.630+/-67.855 χ^2/NDF:19.5/19

Left: 92.989+/-48.451 χ^2/NDF: 97.6/40

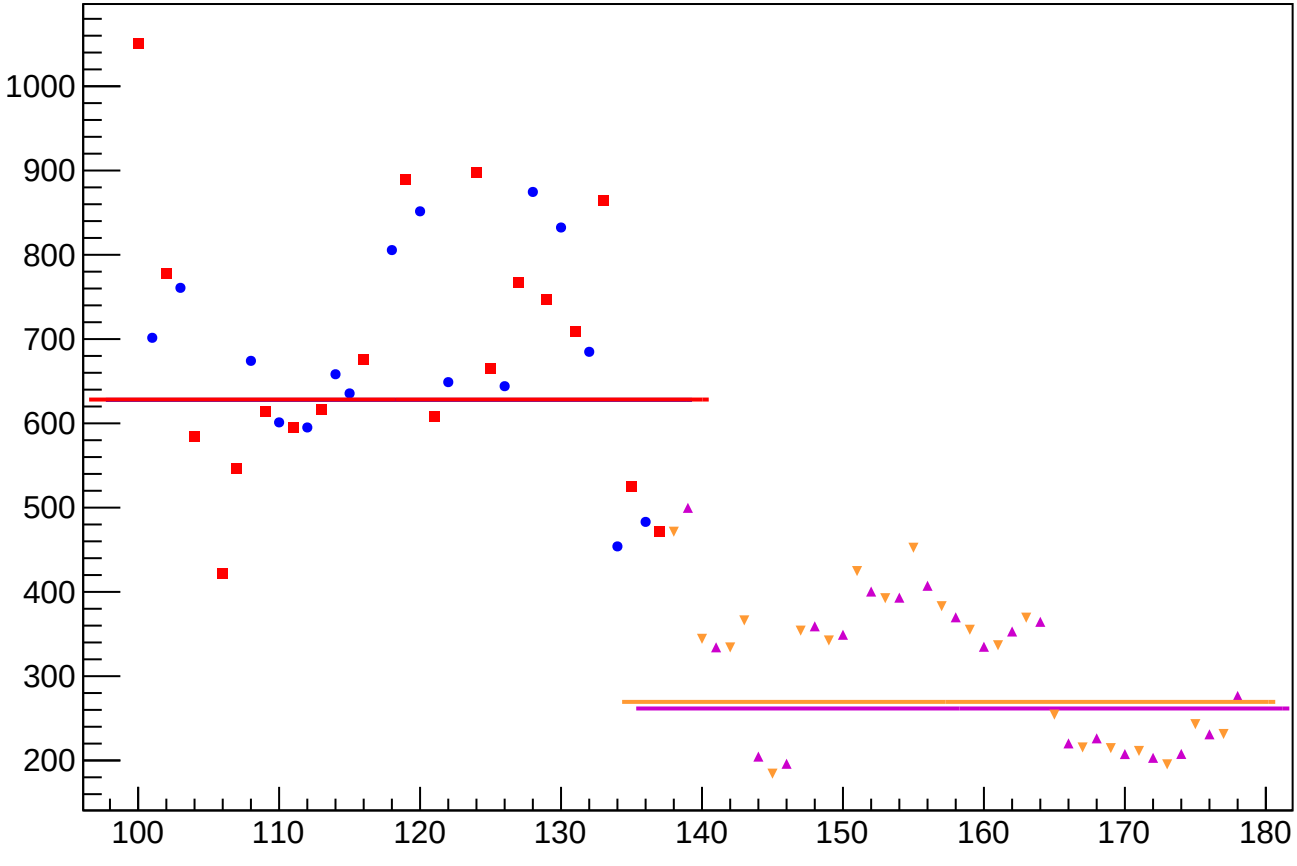
Right: -74.835+/-168.388 χ^2/NDF: 44.3/34

In: -65.512+/-65.302 χ^2/NDF:48.0/35

Out: 230.808+/-66.409 χ^2/NDF:84.7/39

All: 80.157+/-46.562 χ^2/NDF: 142.8/75

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: 261.658+/-0.048 χ^2/NDF:2532245.5/19

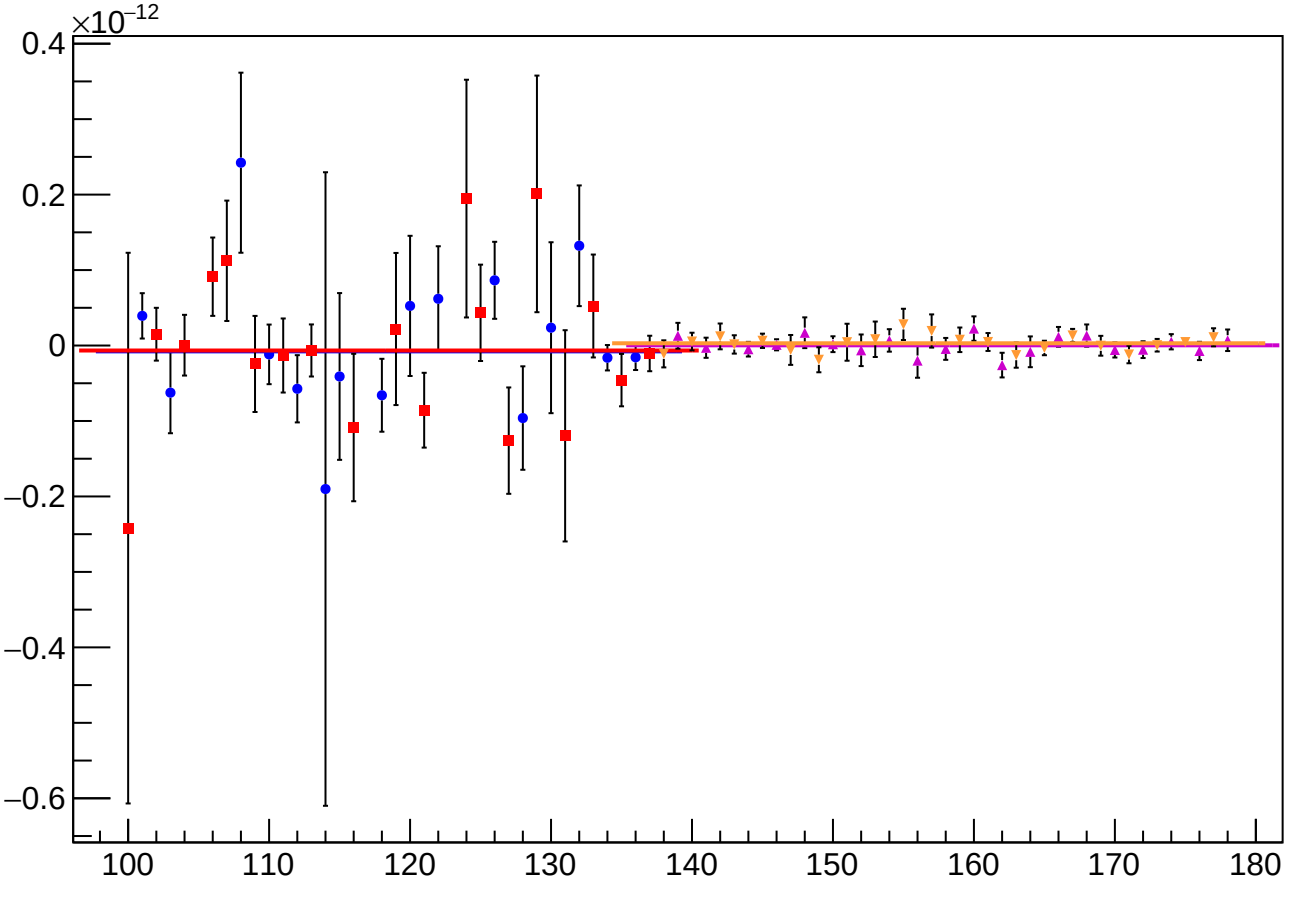
Left: 265.500+/-0.034 χ^2/NDF: 5261161.4/40

Right: 628.076+/-0.119 χ^2/NDF: 1137777.3/34

In: 288.703+/-0.046 χ^2/NDF:7401541.1/35

Out: 297.897+/-0.047 χ^2/NDF:7541568.5/39

All: 293.223+/-0.033 χ^2/NDF: 14962595.7/75



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:10.4/19

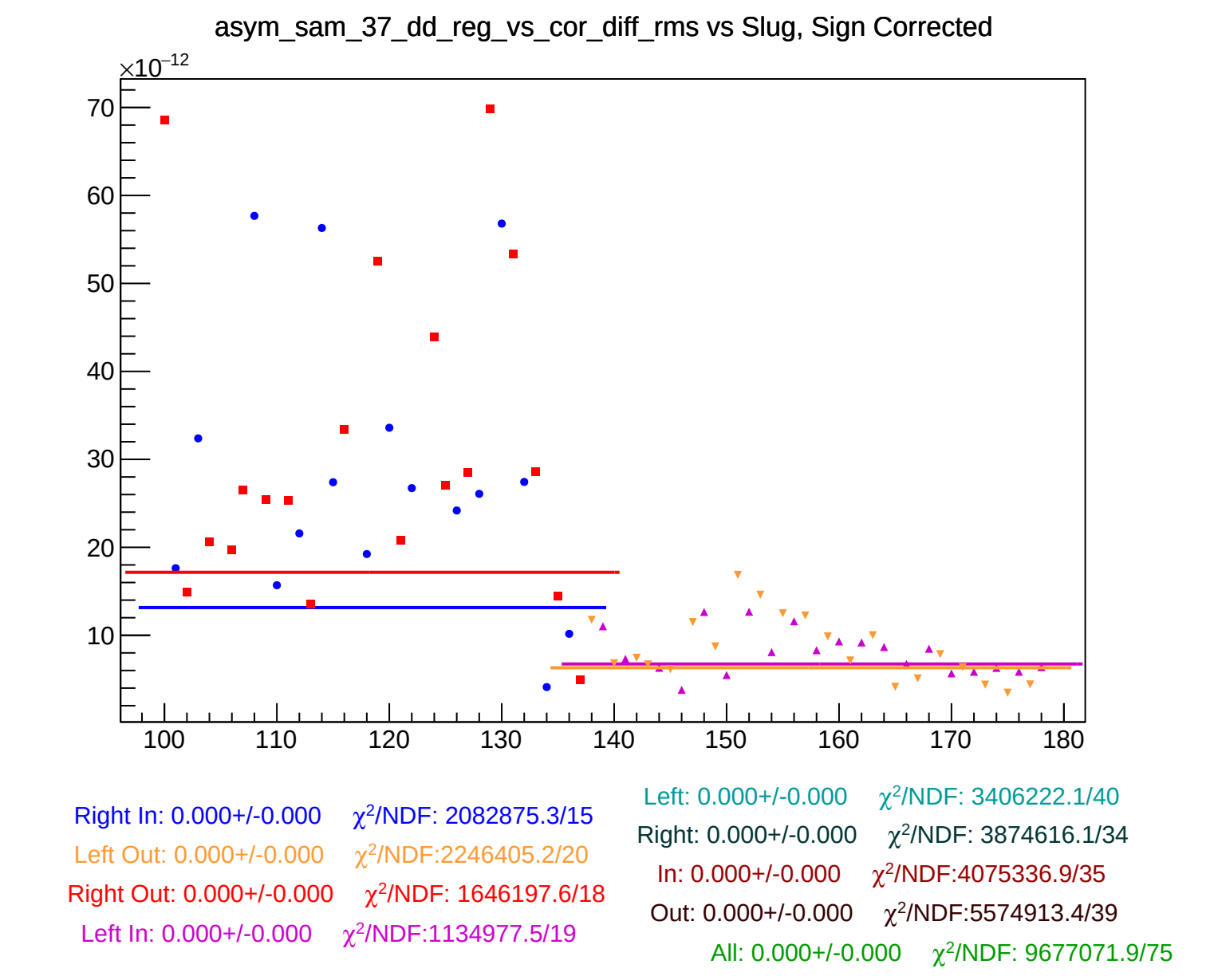
Left: 0.000+/-0.000 χ^2/NDF: 21.1/40

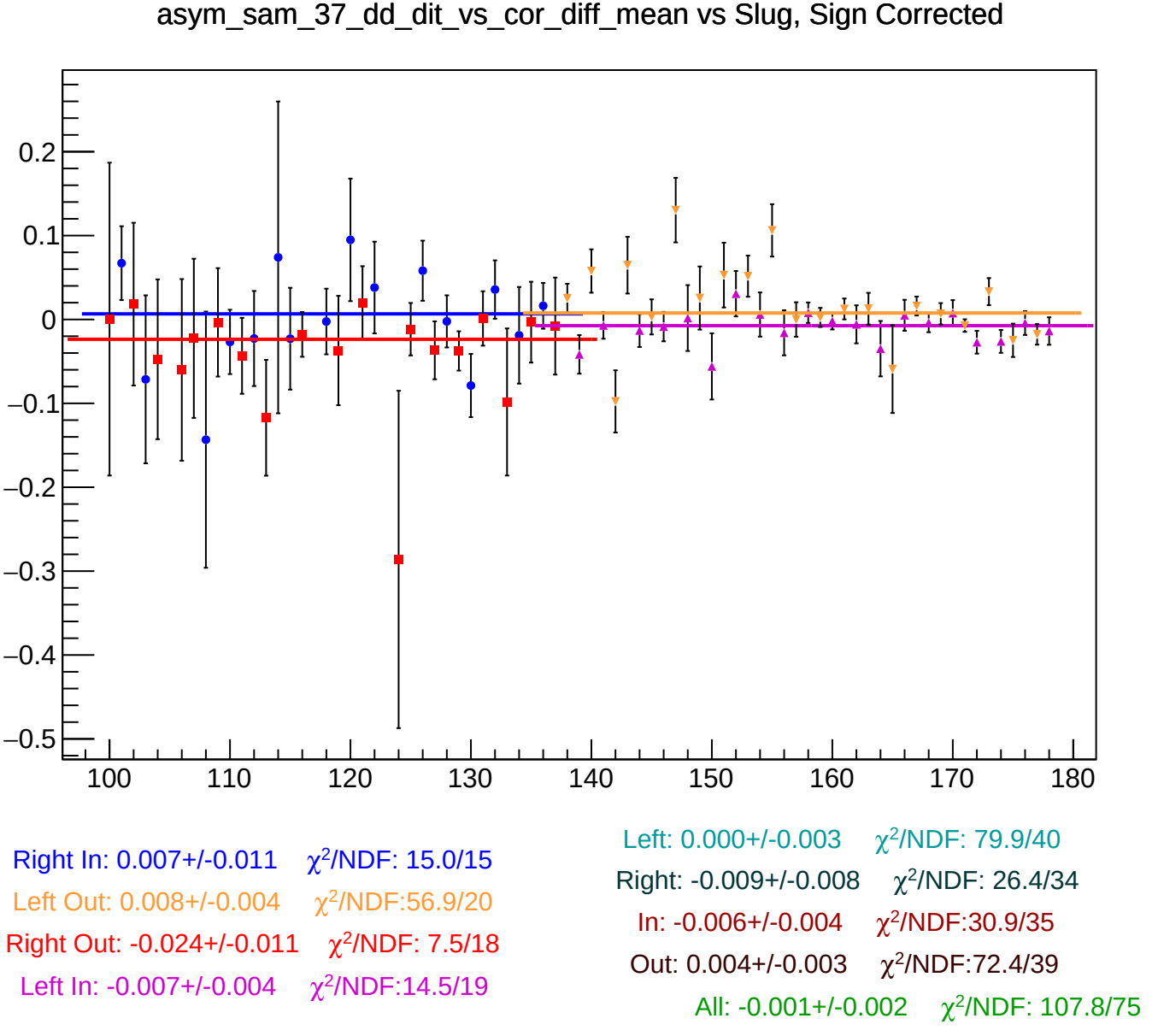
Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:32.0/35

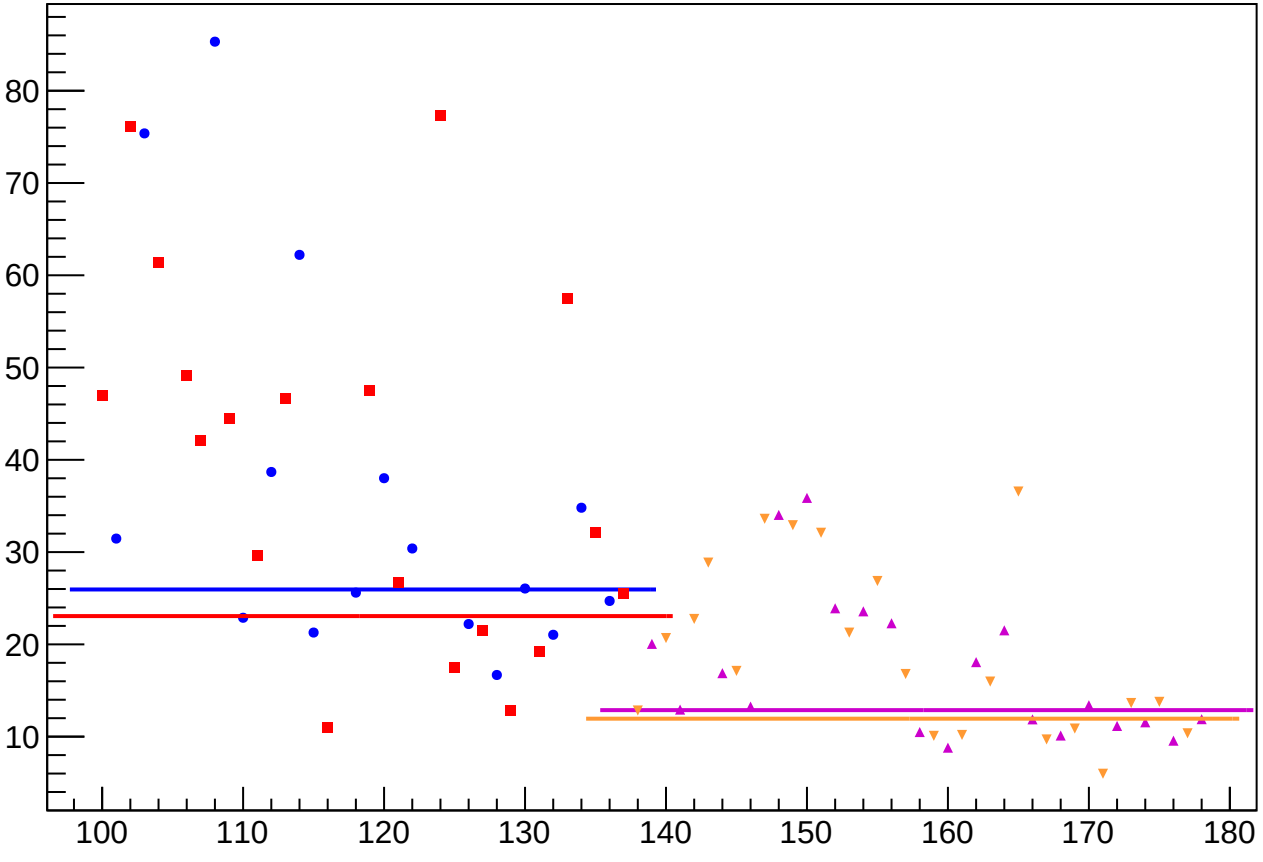
Out: 0.000+/-0.000 χ^2/NDF:30.8/39

All: 0.000+/-0.000 χ^2/NDF: 63.5/75


asym_sam_37_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2082875.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2246405.2/20
Right Out: 0.000+/-0.000 χ²/NDF: 1646197.6/18
Left In: 0.000+/-0.000 χ²/NDF:1134977.5/19
Left: 0.000+/-0.000 χ²/NDF: 3406222.1/40
Right: 0.000+/-0.000 χ²/NDF: 3874616.1/34
In: 0.000+/-0.000 χ²/NDF:4075336.9/35
Out: 0.000+/-0.000 χ²/NDF:5574913.4/39
All: 0.000+/-0.000 χ²/NDF: 9677071.9/75


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:14.5/19
Left: 0.000+/-0.003 χ²/NDF: 79.9/40
Right: -0.009+/-0.008 χ²/NDF: 26.4/34
In: -0.006+/-0.004 χ²/NDF:30.9/35
Out: 0.004+/-0.003 χ²/NDF:72.4/39
All: -0.001+/-0.002 χ²/NDF: 107.8/75

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: 12.873+/-0.003 χ^2/NDF:3390414.2/19

Left: 12.388+/-0.002 χ^2/NDF: 9203792.3/40

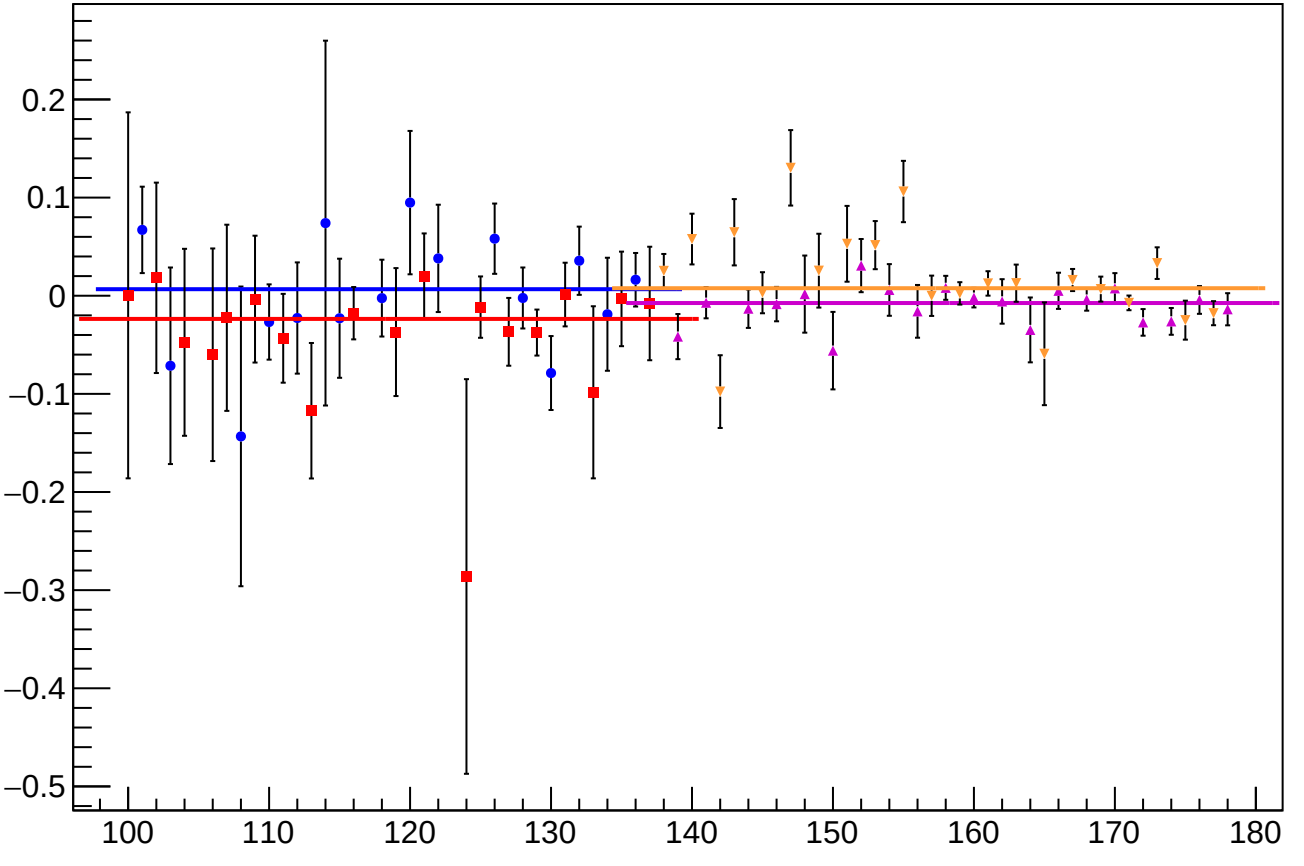
Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 14.211+/-0.003 χ^2/NDF:7263546.4/35

Out: 13.103+/-0.002 χ^2/NDF:11118942.7/39

All: 13.631+/-0.002 χ^2/NDF: 18484581.3/75

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.008+/-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:14.5/19

Left: 0.000+/-0.003 χ^2/NDF: 79.9/40

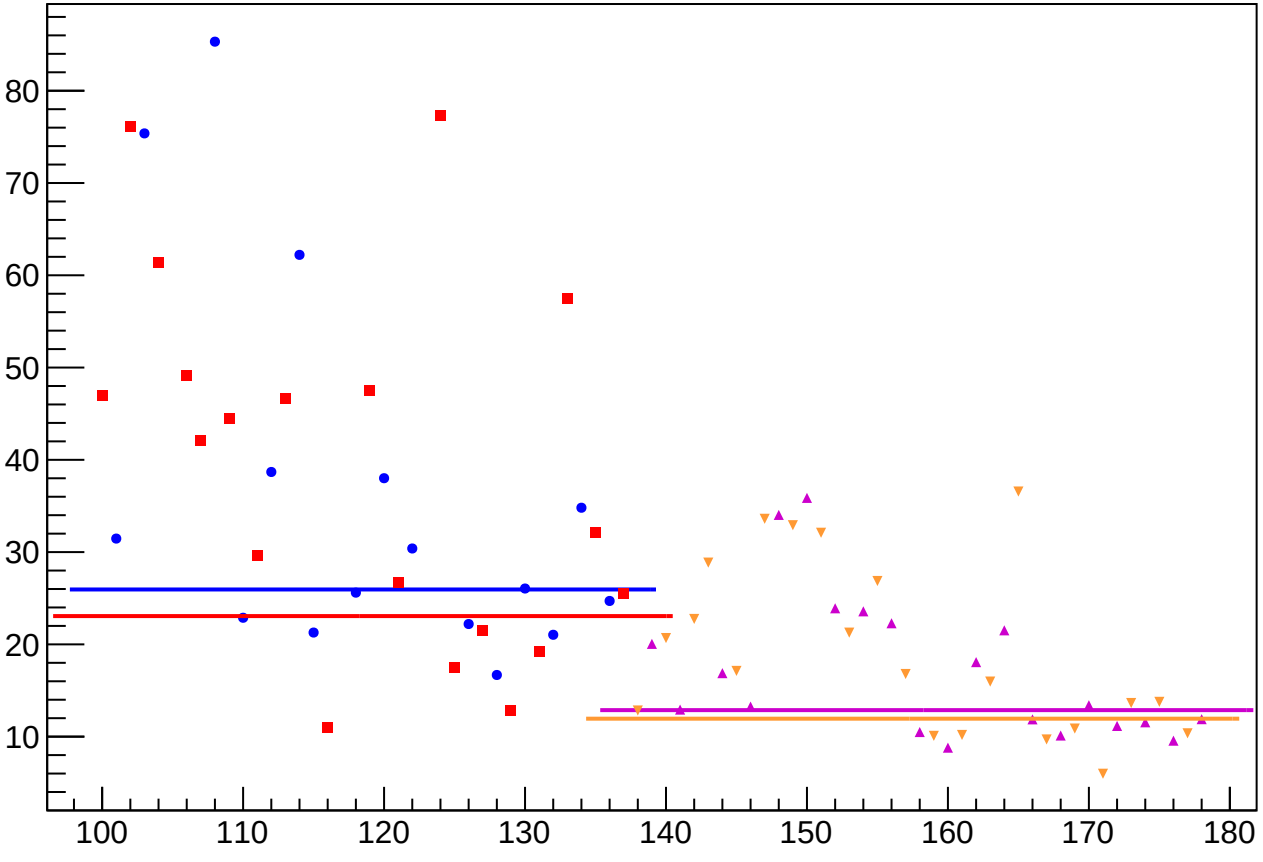
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.006+/-0.004 χ^2/NDF:30.9/35

Out: 0.004+/-0.003 χ^2/NDF:72.4/39

All: -0.001+/-0.002 χ^2/NDF: 107.8/75

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: 12.873+/-0.003 χ^2/NDF:3390414.2/19

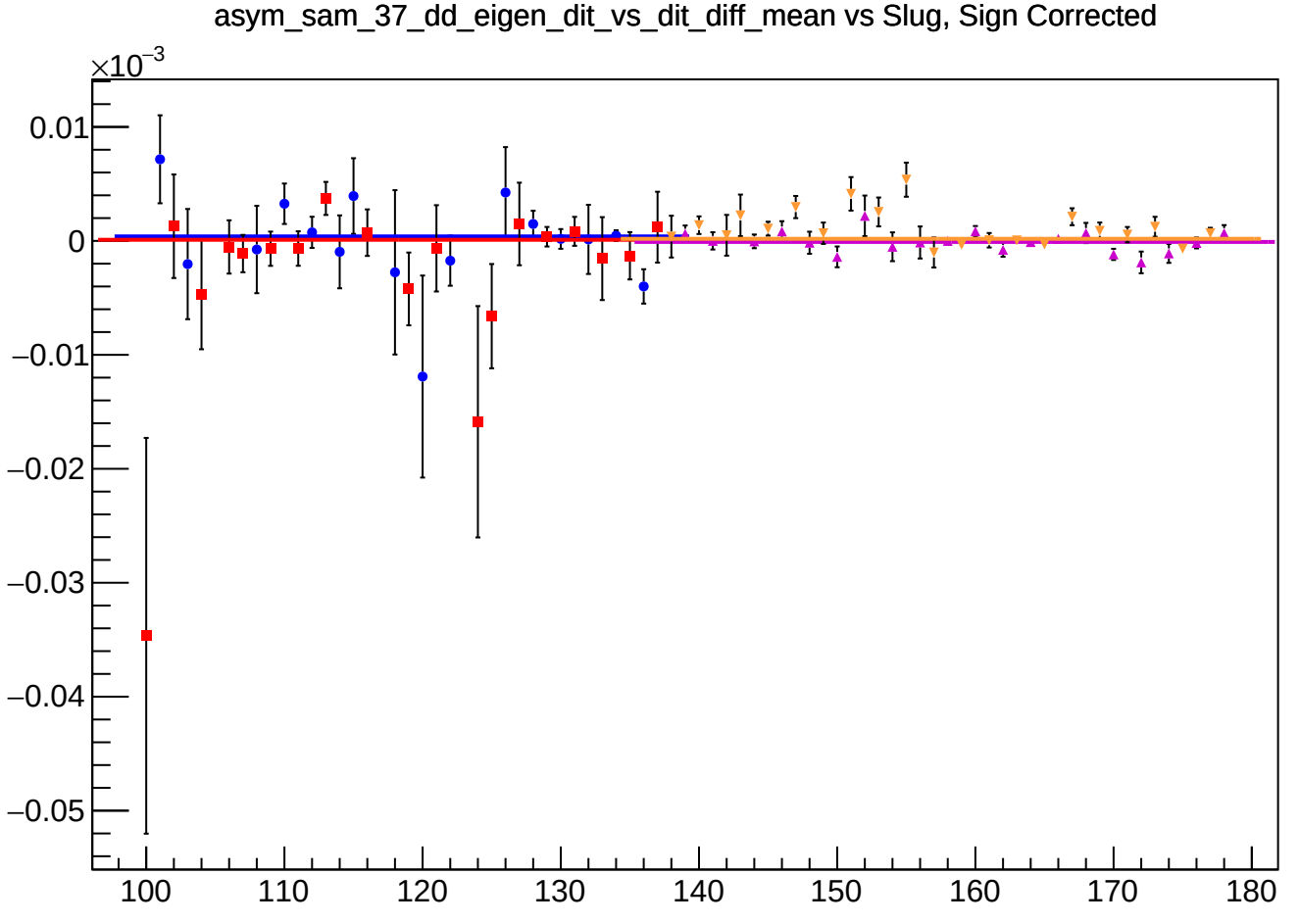
Left: 12.388+/-0.002 χ^2/NDF: 9203792.3/40

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 14.211+/-0.003 χ^2/NDF:7263546.4/35

Out: 13.103+/-0.002 χ^2/NDF:11118942.7/39

All: 13.631+/-0.002 χ^2/NDF: 18484581.3/75



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:23.9/19

Left: 0.000+/-0.000 χ^2/NDF: 86.7/40

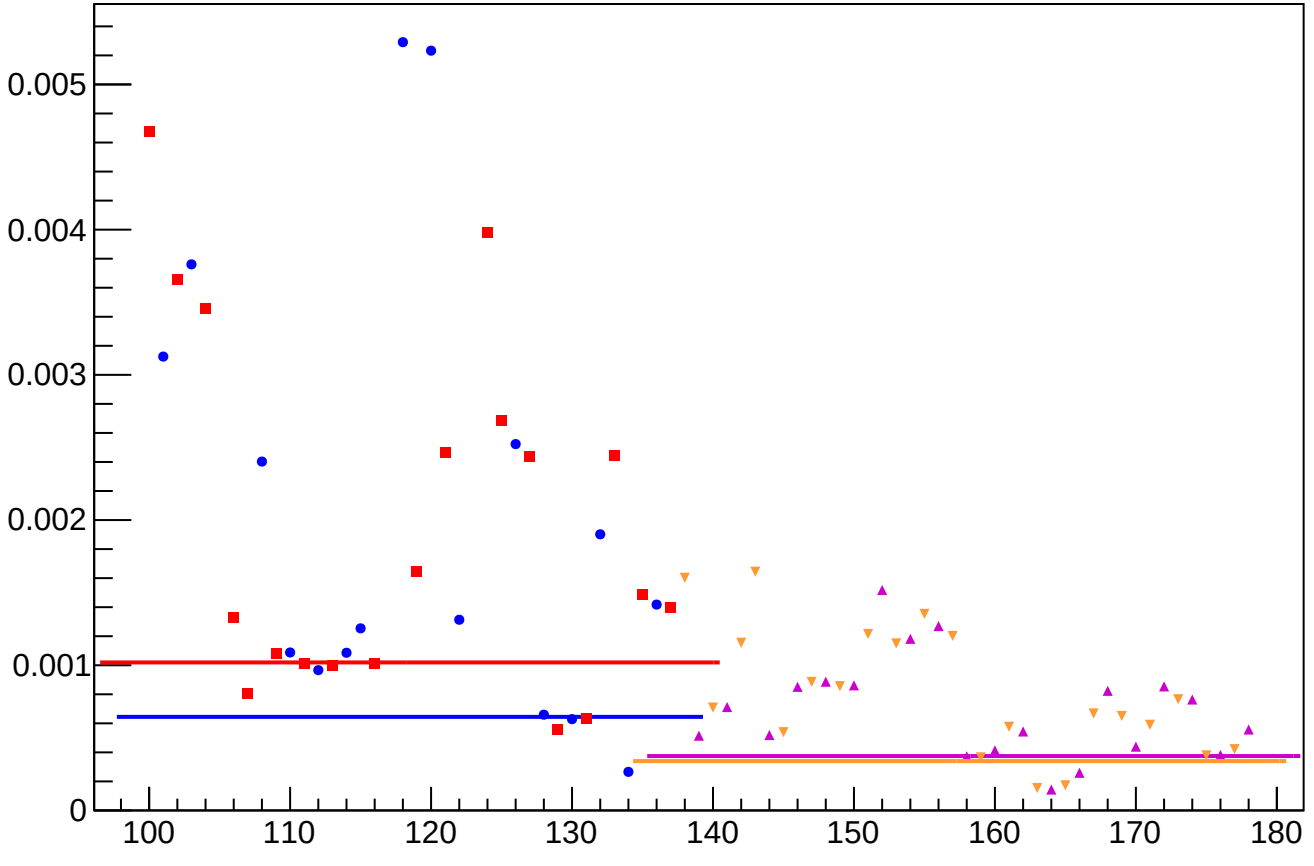
Right: 0.000+/-0.000 χ^2/NDF: 41.6/34

In: -0.000+/-0.000 χ^2/NDF:46.6/35

Out: 0.000+/-0.000 χ^2/NDF:80.3/39

All: 0.000+/-0.000 χ^2/NDF: 129.0/75

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:12583263.9/20

Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

Left In: 0.000+/-0.000 χ^2/NDF:9739870.9/19

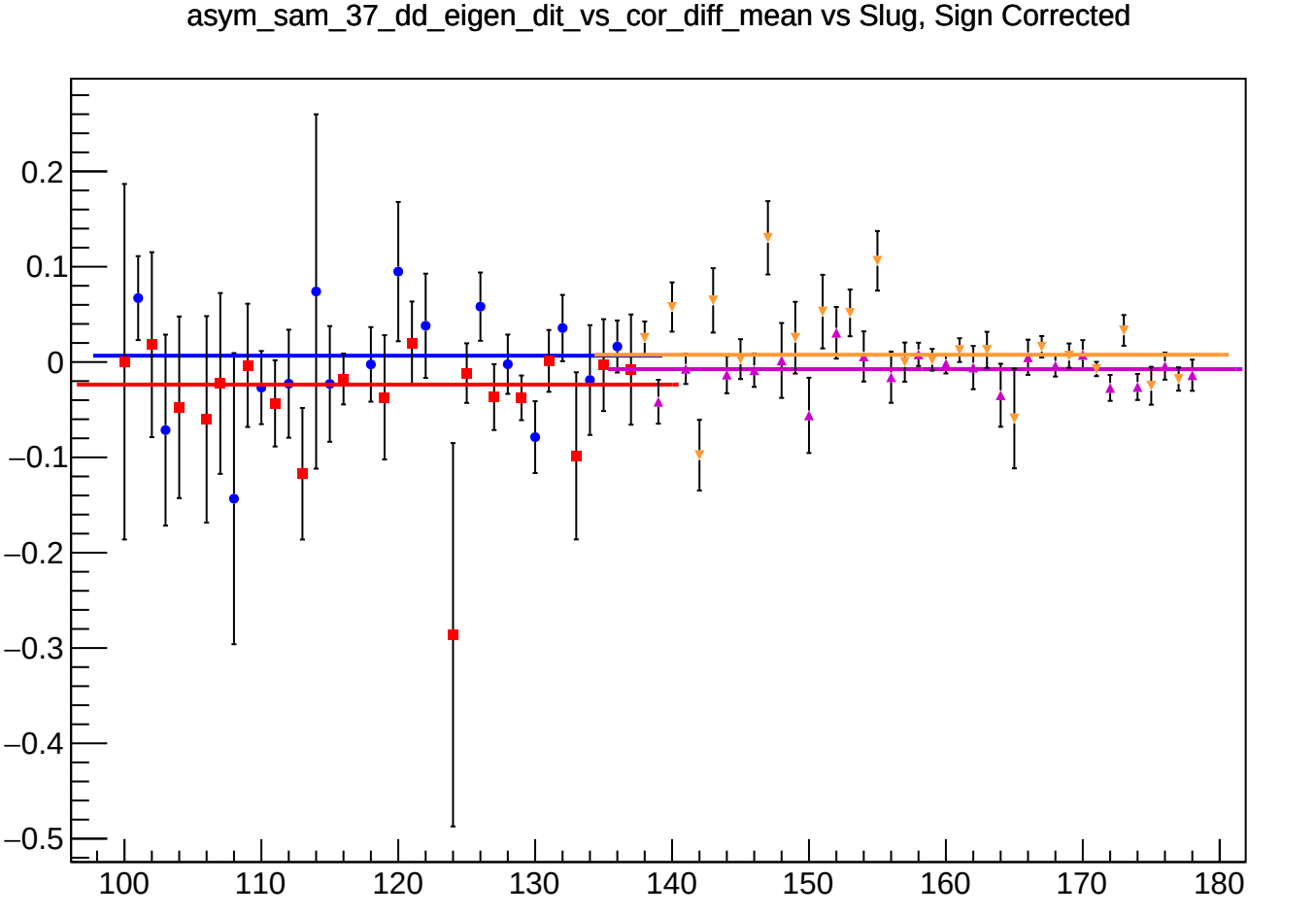
Left: 0.000+/-0.000 χ^2/NDF: 22417097.9/40

Right: 0.001+/-0.000 χ^2/NDF: 11121544.1/34

In: 0.000+/-0.000 χ^2/NDF:17442363.5/35

Out: 0.000+/-0.000 χ^2/NDF:20550822.5/39

All: 0.000+/-0.000 χ^2/NDF: 38049512.9/75



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:14.5/19

Left: 0.000+/-0.003 χ^2/NDF: 79.9/40

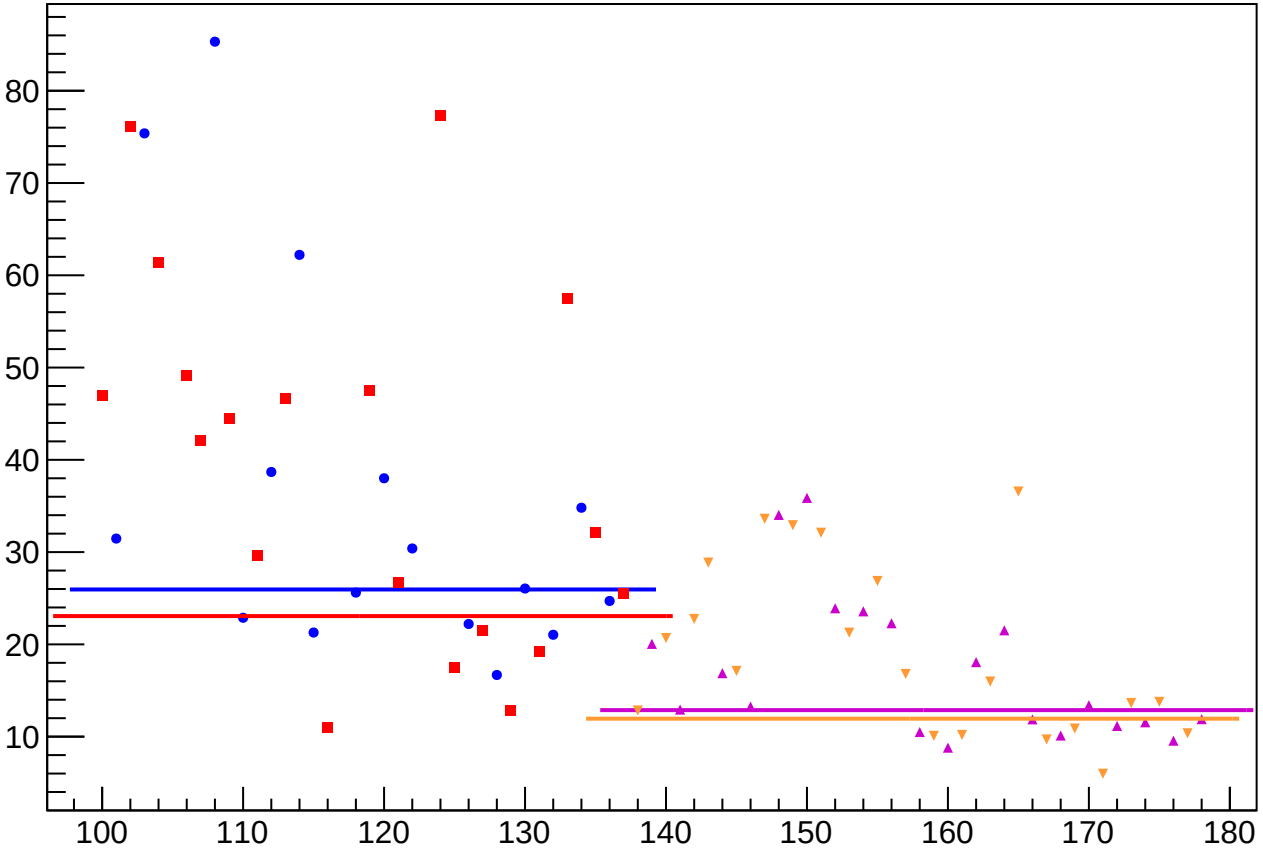
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.006+/-0.004 χ^2/NDF:30.9/35

Out: 0.004+/-0.003 χ^2/NDF:72.4/39

All: -0.001+/-0.002 χ^2/NDF: 107.8/75

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: 12.874+/-0.003 χ^2/NDF:3390589.7/19

Left: 12.389+/-0.002 χ^2/NDF: 9204195.9/40

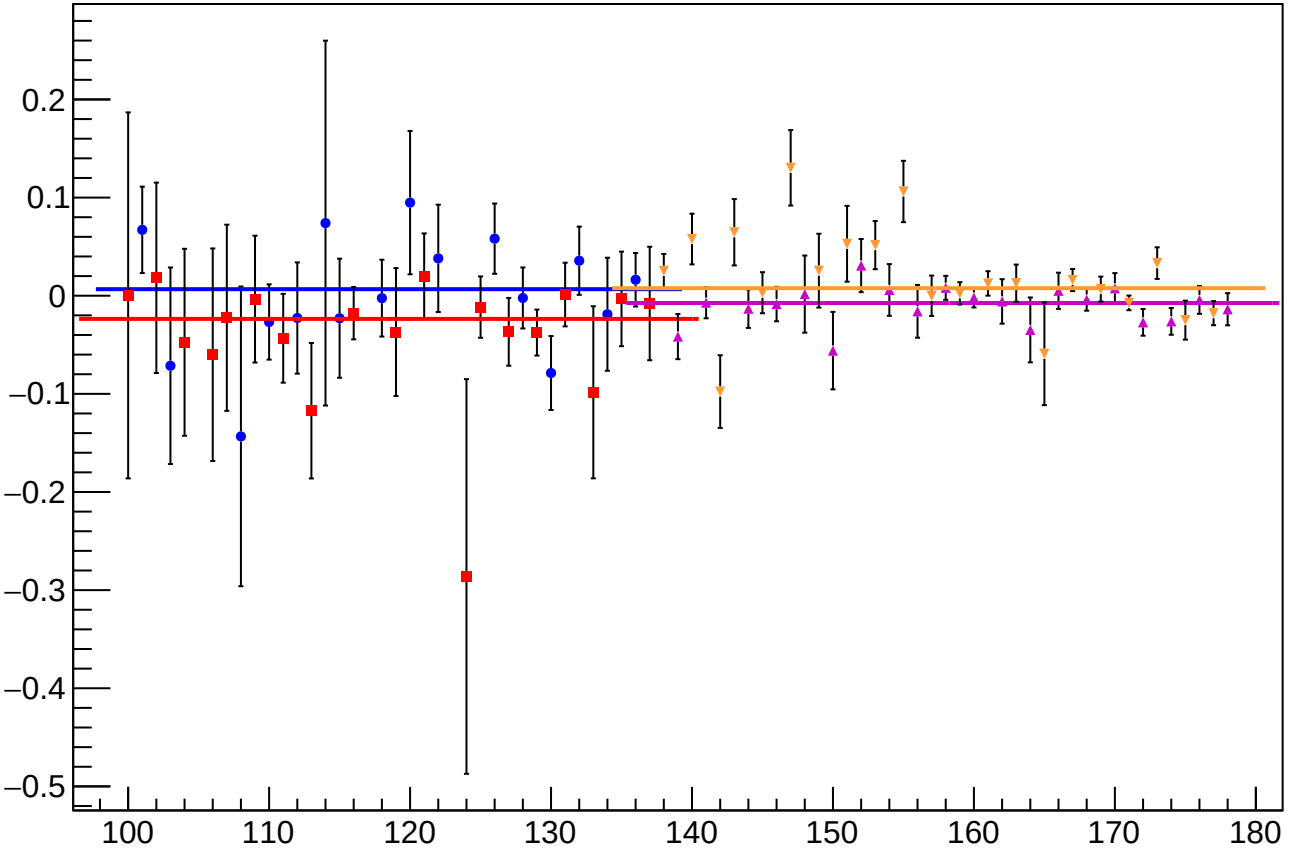
Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 14.212+/-0.003 χ^2/NDF:7263753.1/35

Out: 13.103+/-0.002 χ^2/NDF:11119112.8/39

All: 13.631+/-0.002 χ^2/NDF: 18484951.5/75

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:14.5/19

Left: 0.000+/-0.003 χ^2/NDF: 79.9/40

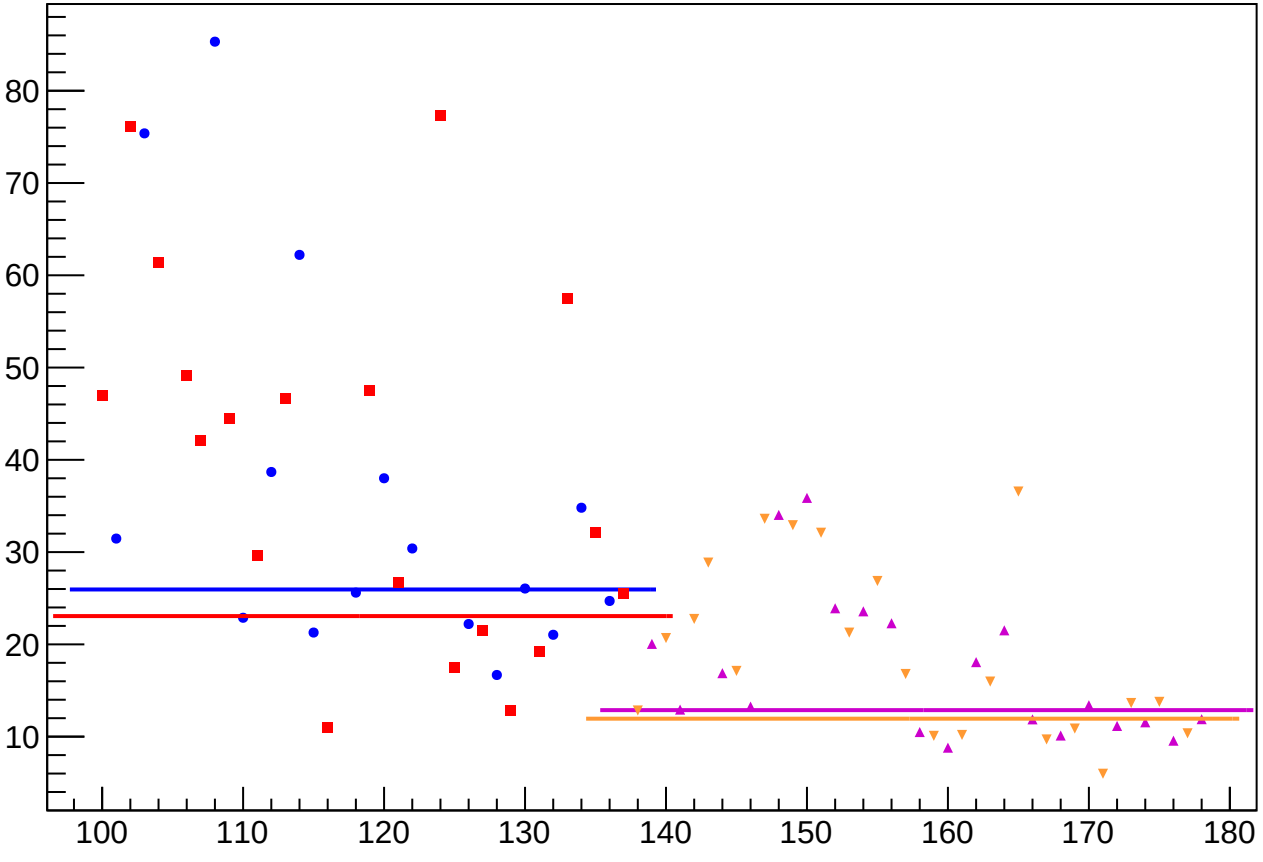
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.006+/-0.004 χ^2/NDF:30.9/35

Out: 0.004+/-0.003 χ^2/NDF:72.4/39

All: -0.001+/-0.002 χ^2/NDF: 107.8/75

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: 12.874+/-0.003 χ^2/NDF:3390589.7/19

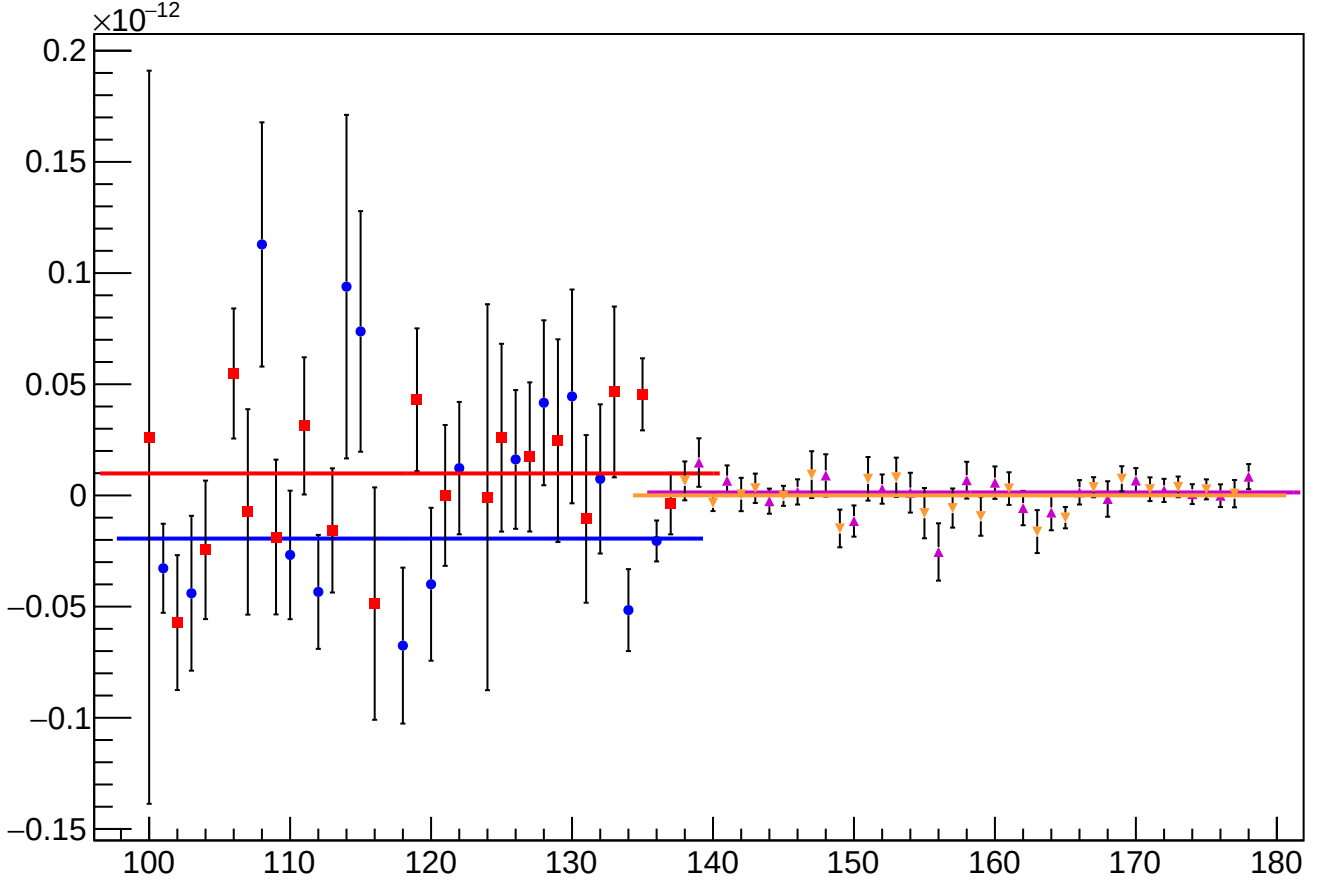
Left: 12.389+/-0.002 χ^2/NDF: 9204195.9/40

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 14.212+/-0.003 χ^2/NDF:7263753.1/35

Out: 13.103+/-0.002 χ^2/NDF:11119112.8/39

All: 13.631+/-0.002 χ^2/NDF: 18484951.5/75



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:16.6/19

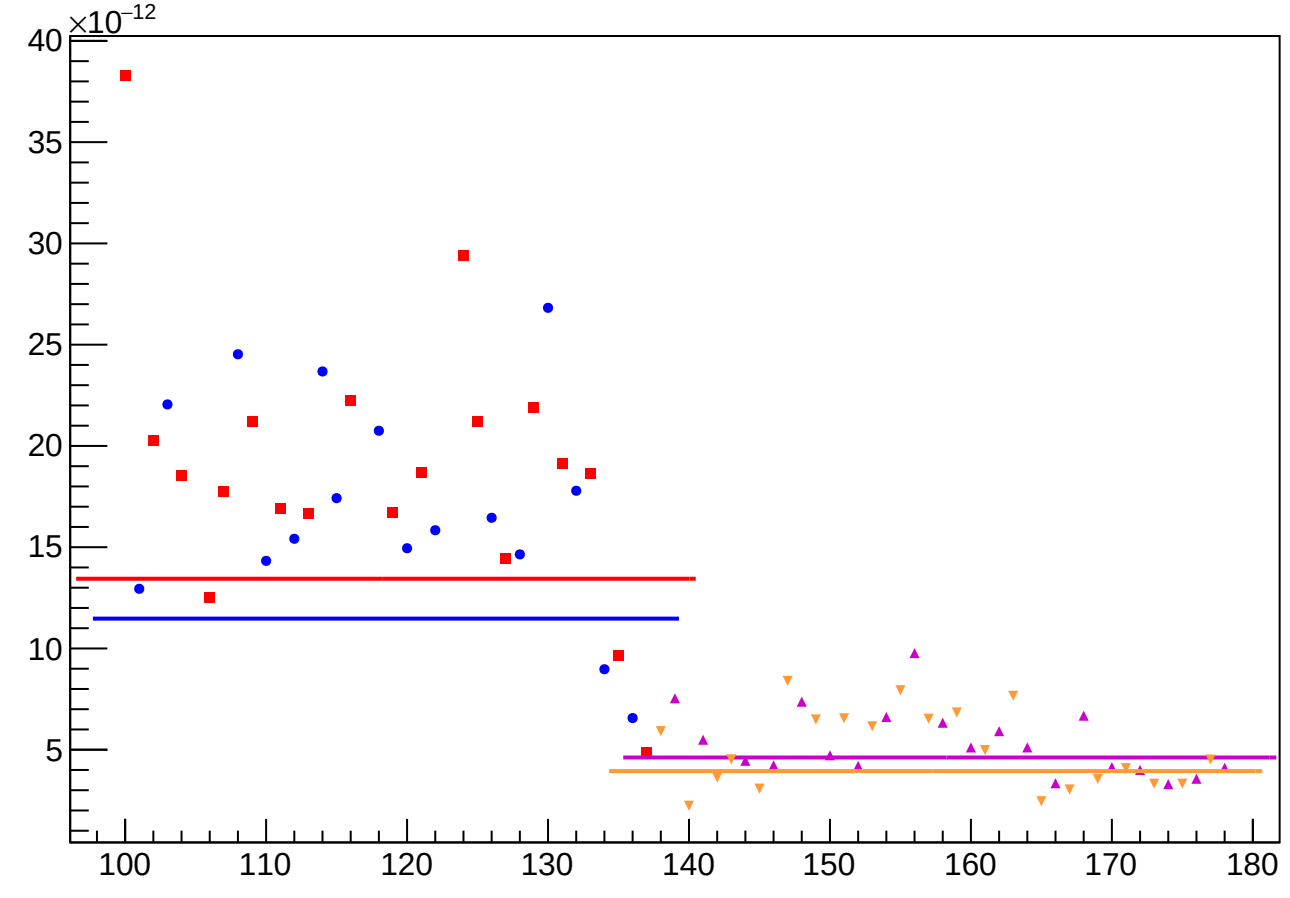
Left: 0.000+/-0.000 χ^2/NDF: 37.1/40

Right: -0.000+/-0.000 χ^2/NDF: 56.4/34

In: 0.000+/-0.000 χ^2/NDF:53.5/35

Out: 0.000+/-0.000 χ^2/NDF:42.4/39

All: 0.000+/-0.000 χ^2/NDF: 95.9/75



Right In: 0.000+/-0.000 χ^2/NDF: 1598593.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2770008.5/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1672848.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1498879.8/19

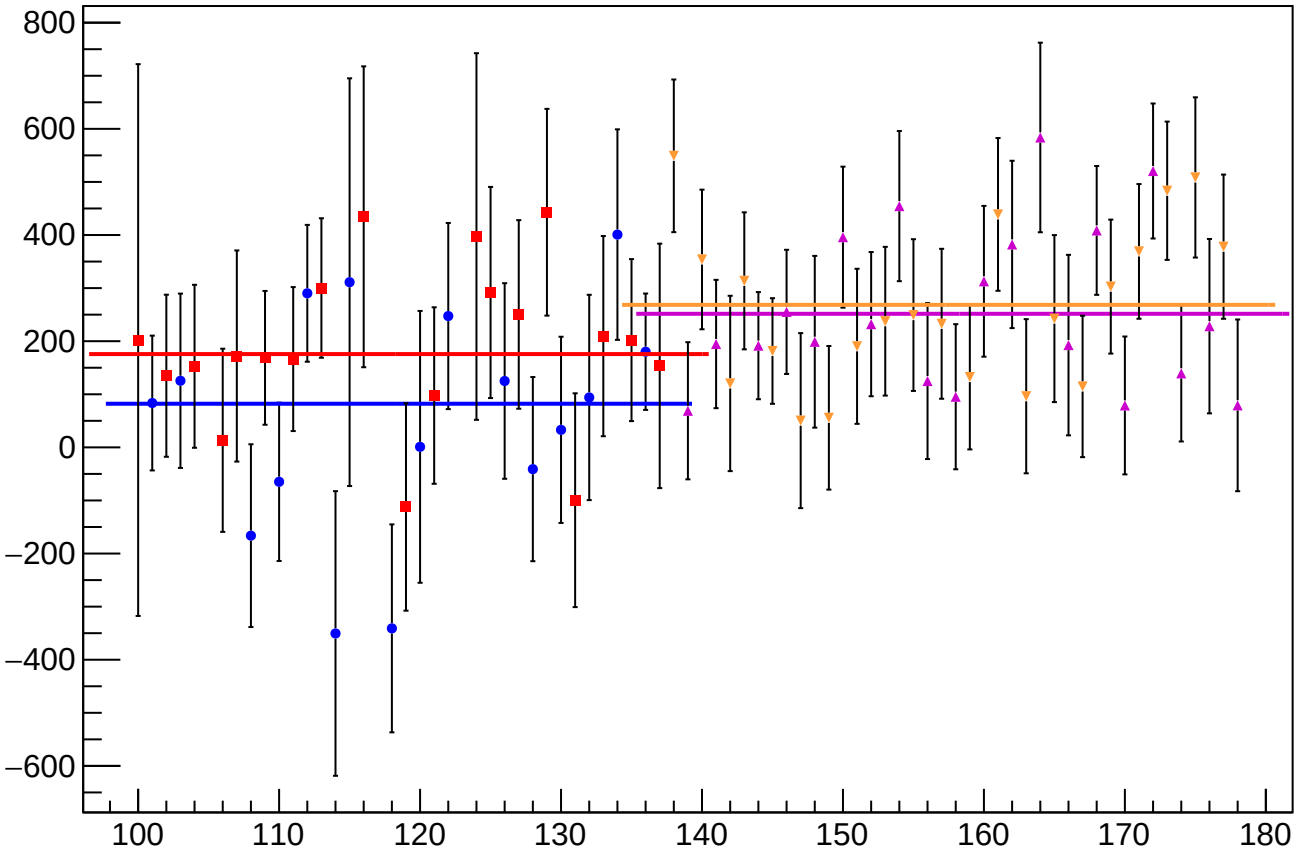
Left: 0.000+/-0.000 χ^2/NDF: 4500169.2/40

Right: 0.000+/-0.000 χ^2/NDF: 3365640.7/34

In: 0.000+/-0.000 χ^2/NDF:5538885.1/35

Out: 0.000+/-0.000 χ^2/NDF:8224984.4/39

All: 0.000+/-0.000 χ^2/NDF: 14027195.7/75



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: 251.616+/-30.435 χ^2/NDF:22.3/19

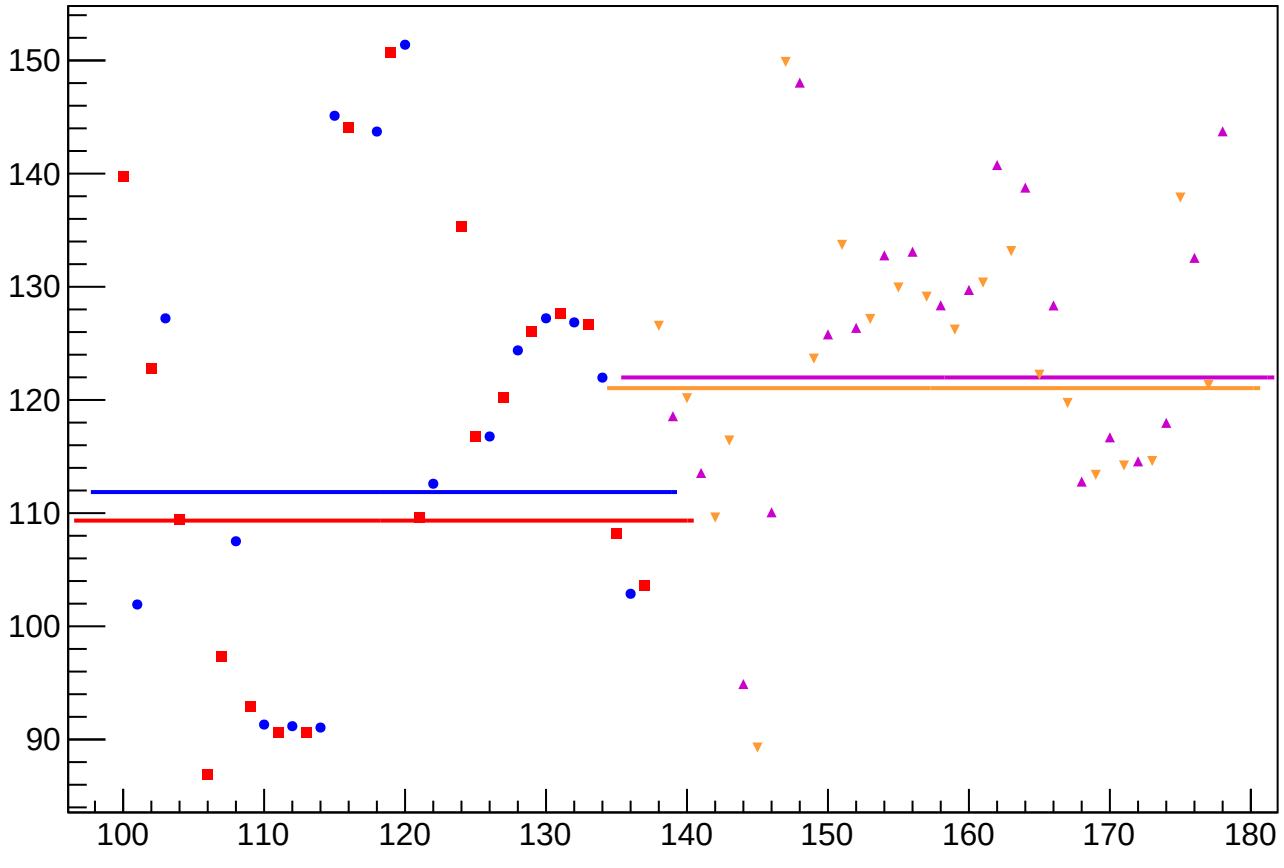
Left: 260.202+/-21.318 χ^2/NDF: 44.8/40

Right: 130.613+/-29.263 χ^2/NDF: 30.8/34

In: 193.526+/-24.671 χ^2/NDF:51.3/35

Out: 235.979+/-24.075 χ^2/NDF:35.6/39

All: 215.272+/-17.231 χ^2/NDF: 88.4/75



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: 121.989+/-0.022 χ^2/NDF:381826.4/19

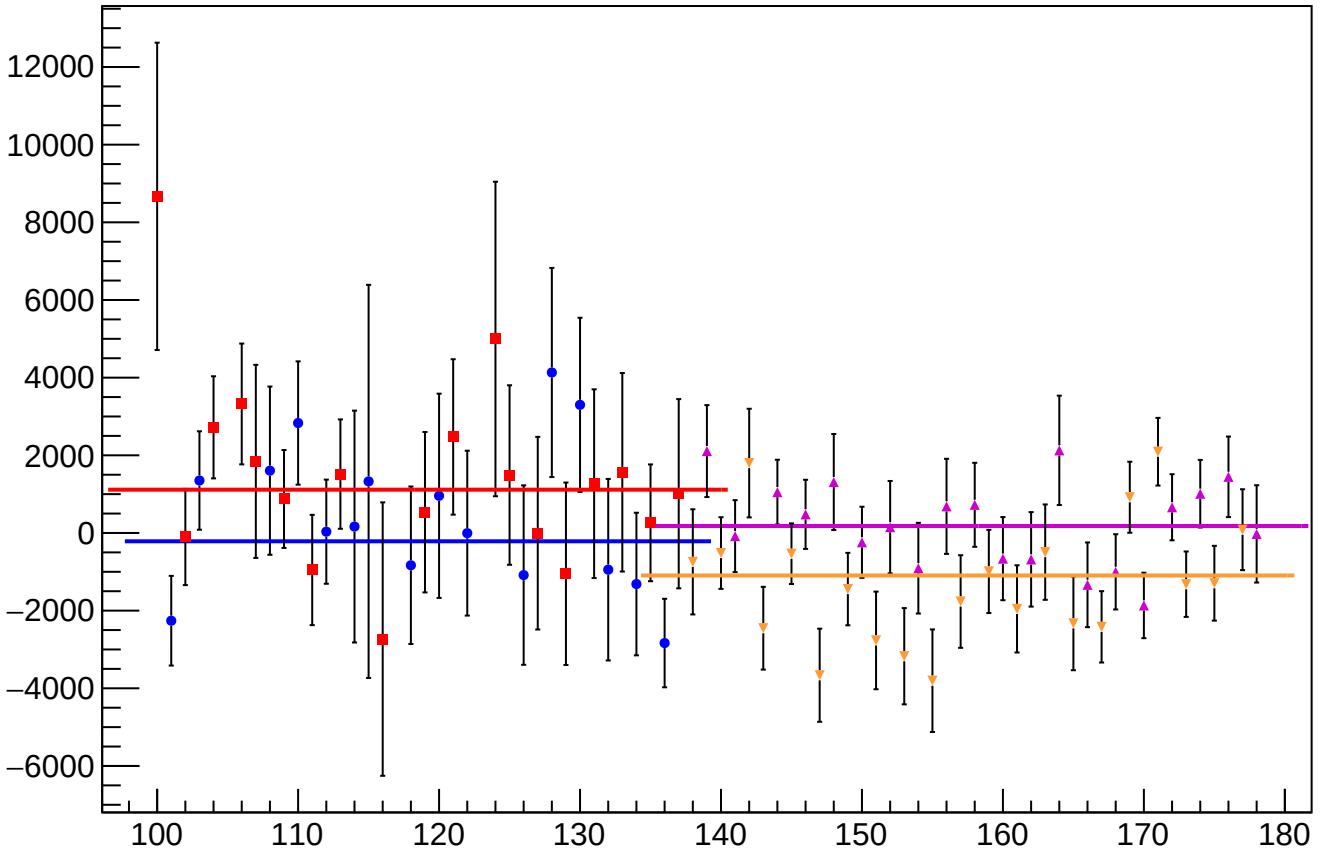
Left: 121.509+/-0.015 χ^2/NDF: 765410.8/40

Right: 110.557+/-0.021 χ^2/NDF: 676952.3/34

In: 118.516+/-0.017 χ^2/NDF:763769.0/35

Out: 116.945+/-0.017 χ^2/NDF:857456.2/39

All: 117.711+/-0.012 χ^2/NDF: 1625381.5/75



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: 179.487+/-229.296 χ^2/NDF:21.4/19

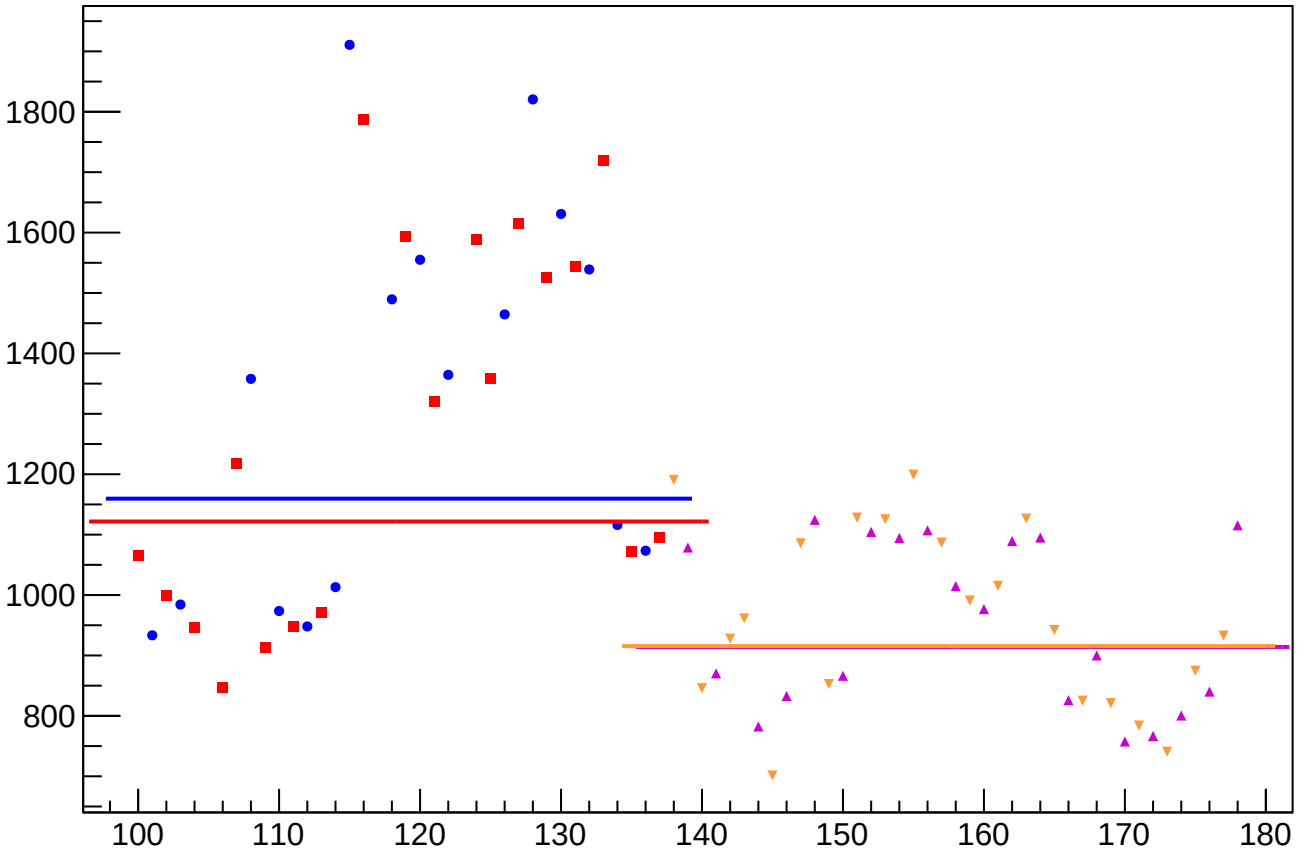
Left: -461.893+/-161.582 χ^2/NDF: 81.2/40

Right: 482.307+/-306.263 χ^2/NDF: 39.7/34

In: 96.588+/-203.728 χ^2/NDF:42.4/35

Out: -598.178+/-200.526 χ^2/NDF:80.0/39

All: -256.299+/-142.912 χ^2/NDF: 128.3/75



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: 914.043+/-0.162 χ^2/NDF:658682.3/19

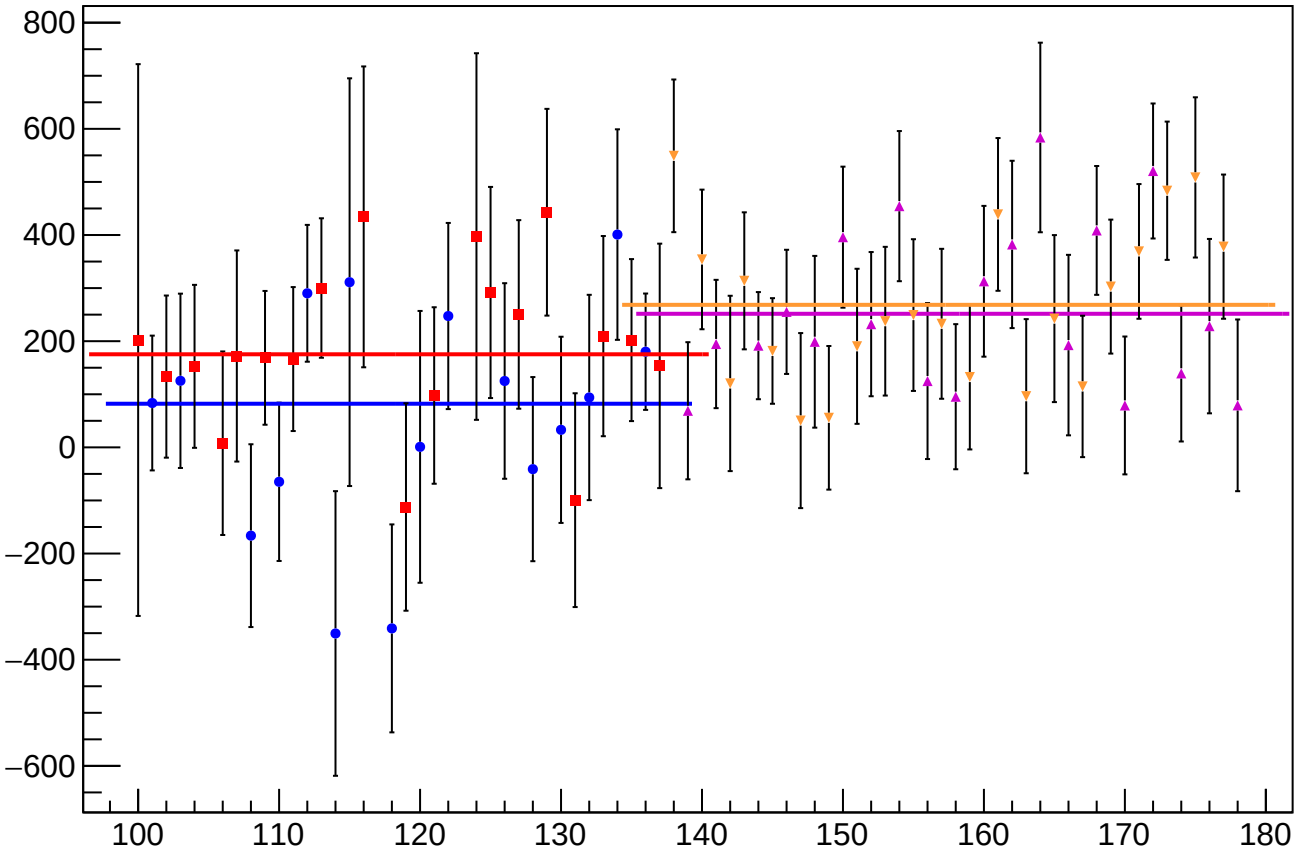
Left: 914.769+/-0.114 χ^2/NDF: 1466976.6/40

Right: 1139.747+/-0.217 χ^2/NDF: 1473571.5/34

In: 965.745+/-0.144 χ^2/NDF:1825251.2/35

Out: 961.830+/-0.142 χ^2/NDF:1959171.1/39

All: 963.756+/-0.101 χ^2/NDF: 3784797.3/75



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: 251.618+/-30.435 χ^2/NDF:22.3/19

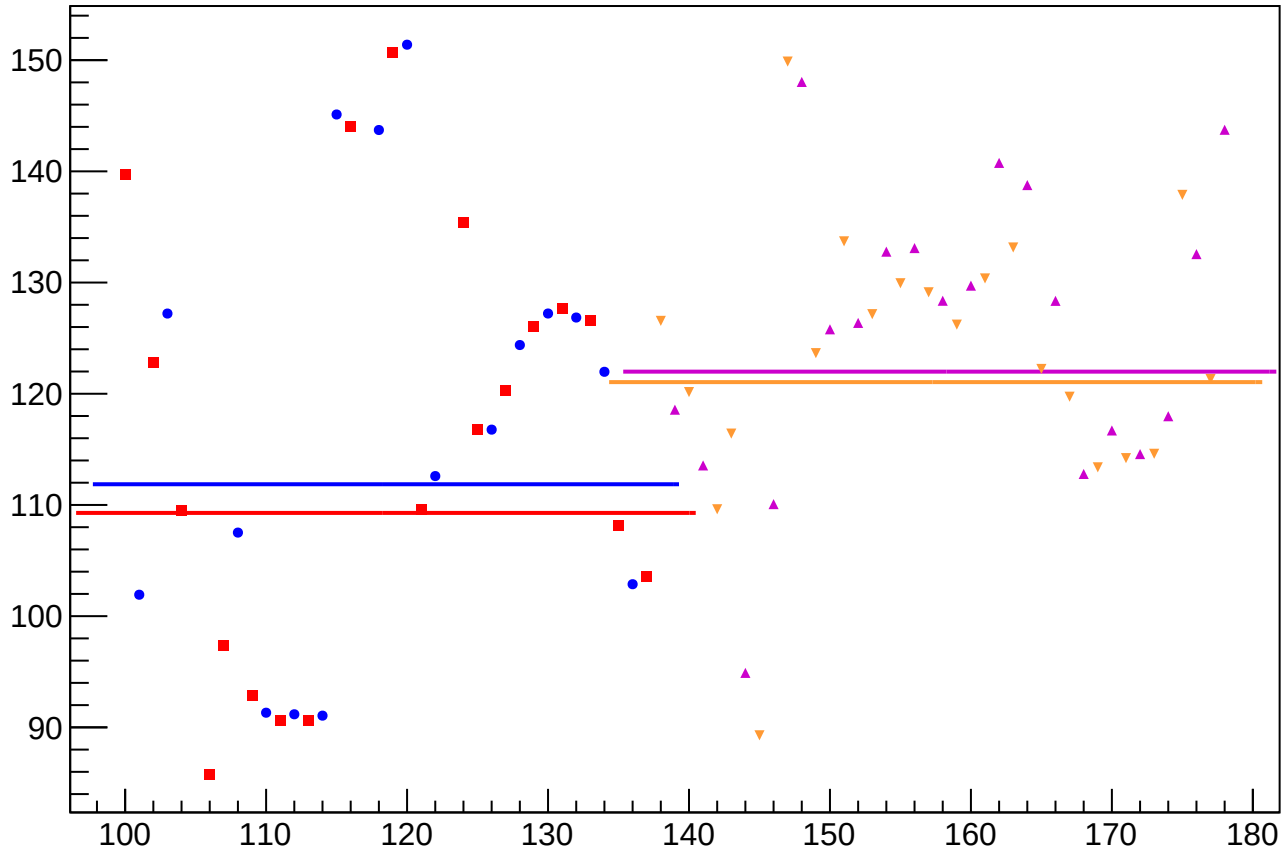
Left: 260.206+/-21.318 χ^2/NDF: 44.8/40

Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 193.523+/-24.671 χ^2/NDF:51.3/35

Out: 235.850+/-24.076 χ^2/NDF:35.7/39

All: 215.203+/-17.231 χ^2/NDF: 88.5/75



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: 121.989+/-0.022 χ^2/NDF:381826.4/19

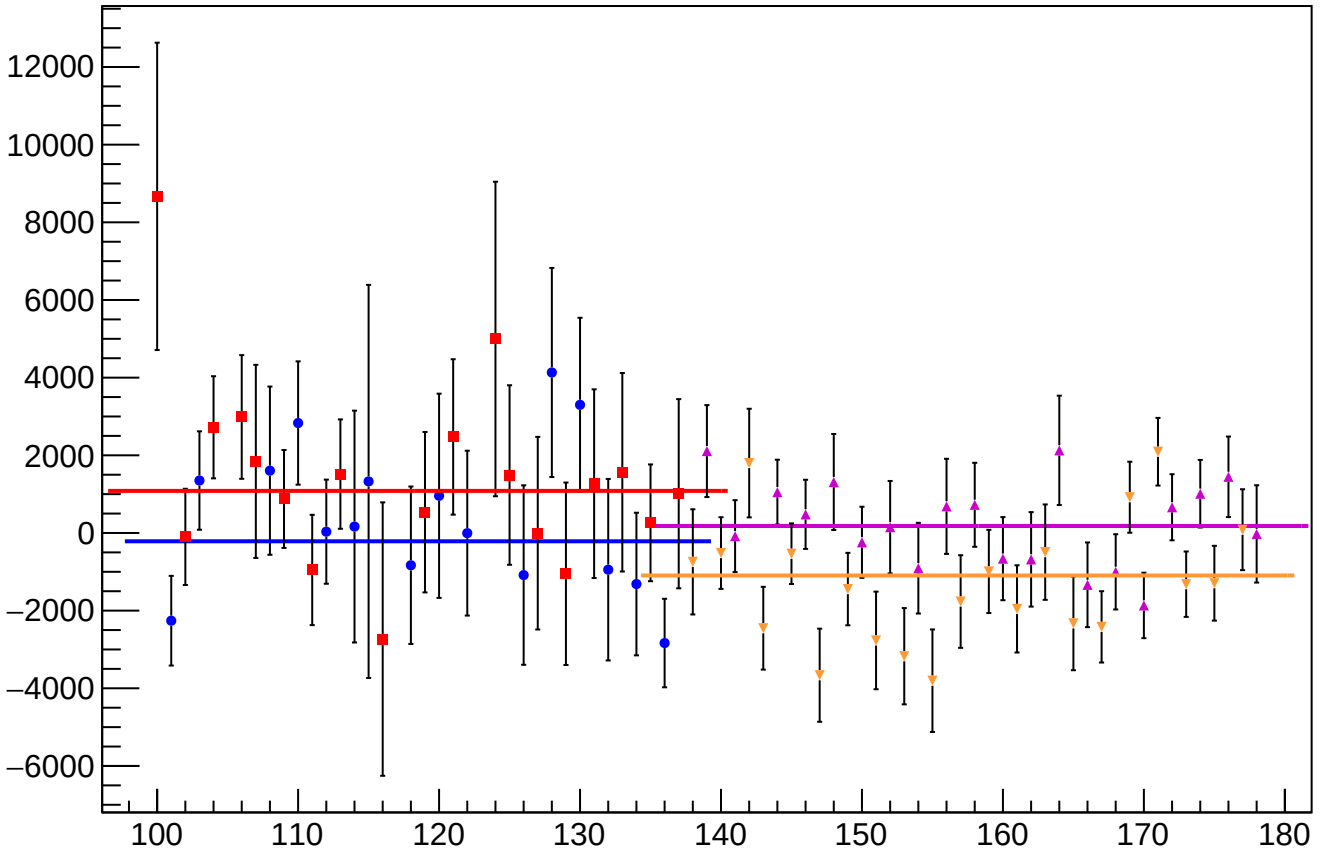
Left: 121.509+/-0.015 χ^2/NDF: 765410.8/40

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 118.516+/-0.017 χ^2/NDF:763769.7/35

Out: 116.926+/-0.017 χ^2/NDF:861963.2/39

All: 117.702+/-0.012 χ^2/NDF: 1629989.9/75



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: 179.492+/-229.296 χ^2/NDF:21.4/19

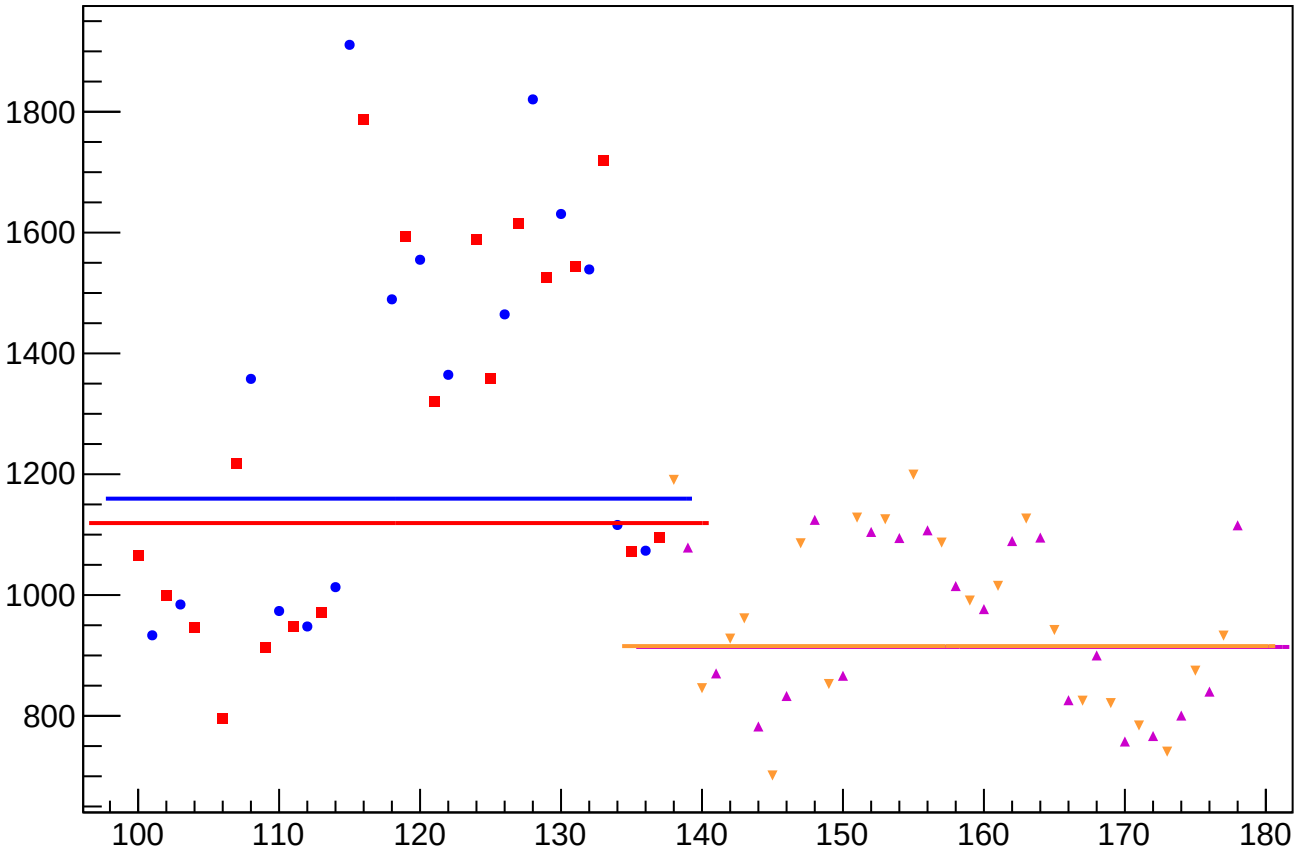
Left: -461.889+/-161.582 χ^2/NDF: 81.2/40

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 96.574+/-203.729 χ^2/NDF:42.4/35

Out: -606.403+/-200.604 χ^2/NDF:78.7/39

All: -260.347+/-142.940 χ^2/NDF: 127.2/75



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: 914.043+/-0.162 χ^2/NDF:658683.5/19

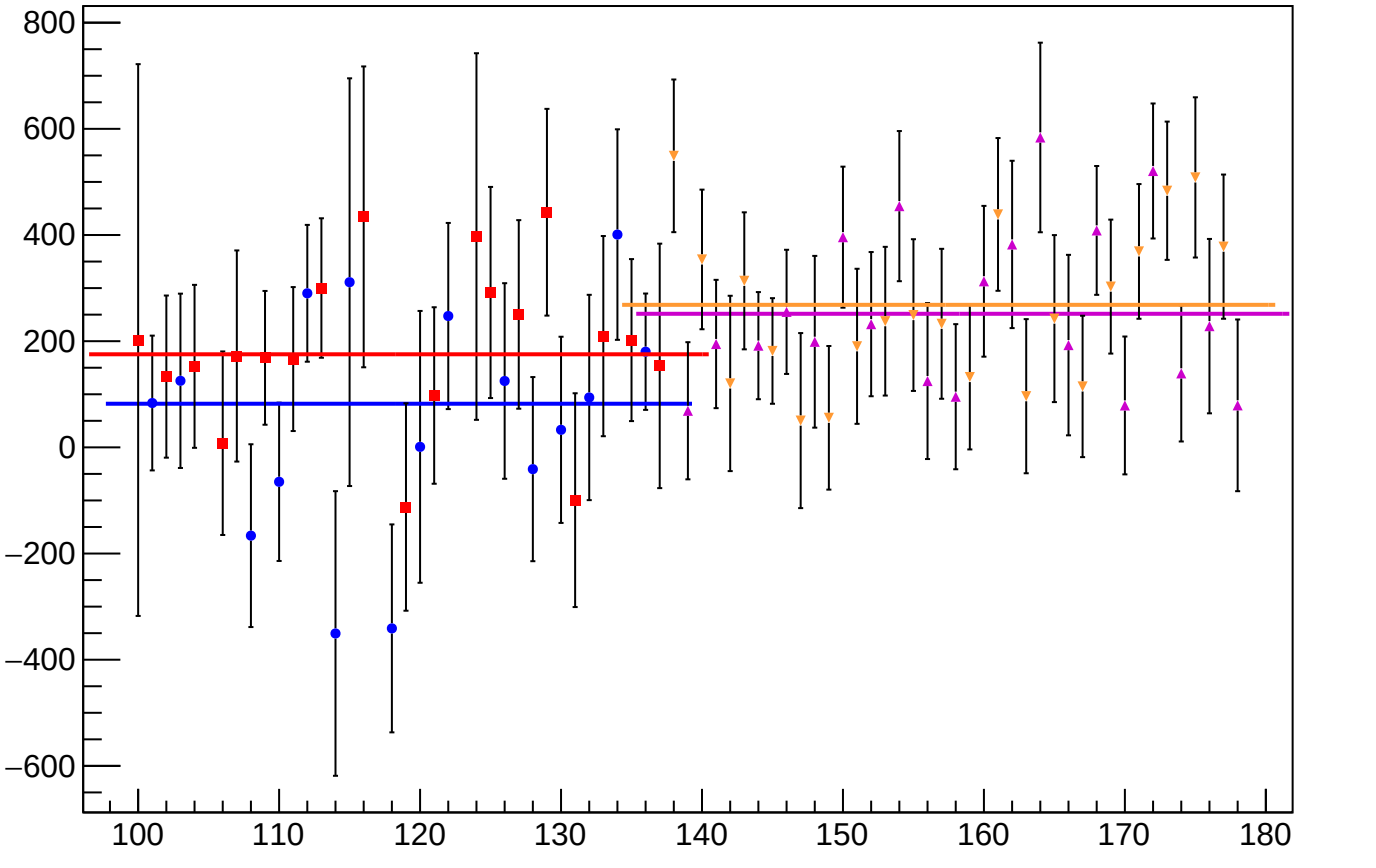
Left: 914.769+/-0.114 χ^2/NDF: 1466977.5/40

Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 965.746+/-0.144 χ^2/NDF:1825253.0/35

Out: 961.124+/-0.142 χ^2/NDF:1969863.8/39

All: 963.399+/-0.101 χ^2/NDF: 3795639.6/75



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: 251.618+/-30.435 χ^2/NDF:22.3/19

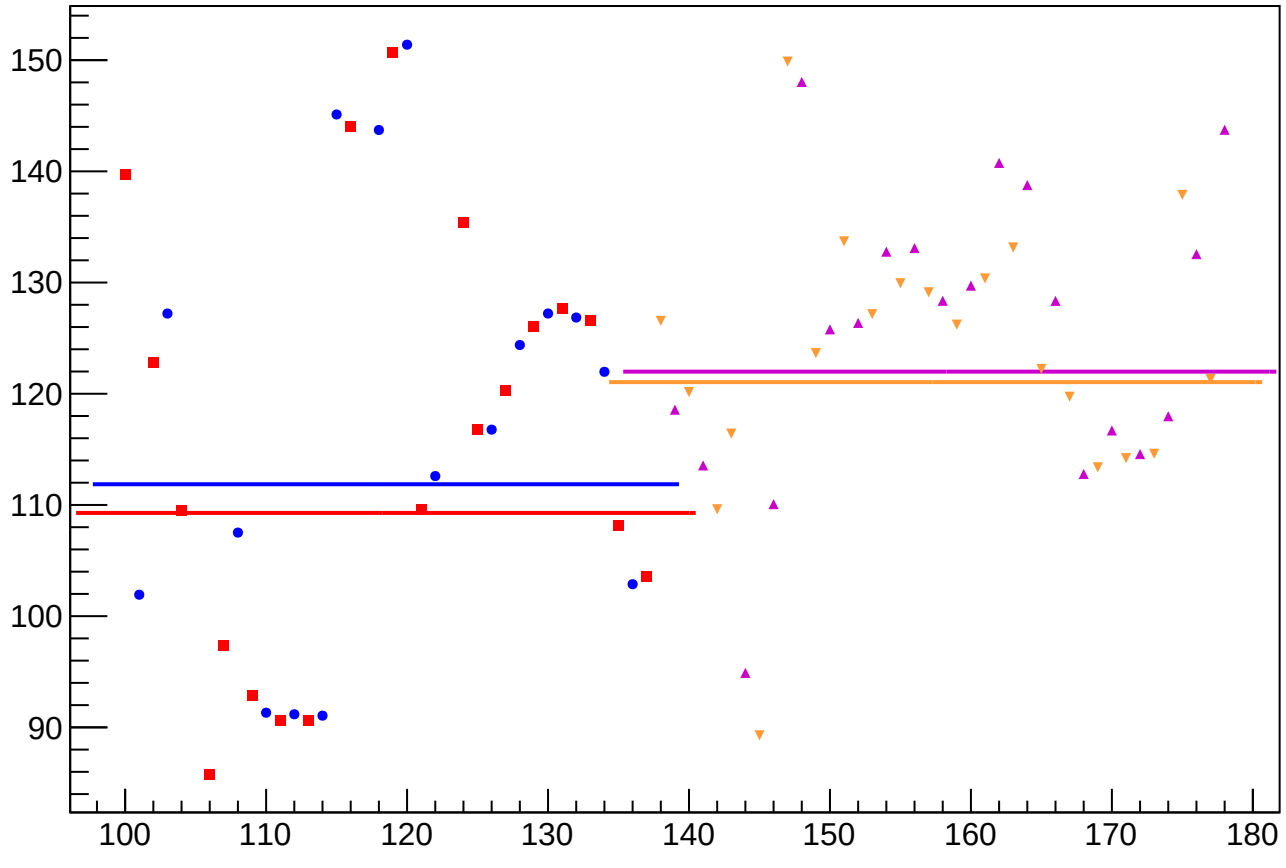
Left: 260.206+/-21.318 χ^2/NDF: 44.8/40

Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 193.523+/-24.671 χ^2/NDF:51.3/35

Out: 235.850+/-24.076 χ^2/NDF:35.7/39

All: 215.203+/-17.231 χ^2/NDF: 88.5/75



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: 121.989+/-0.022 χ^2/NDF:381826.4/19

Left: 121.509+/-0.015 χ^2/NDF: 765410.8/40

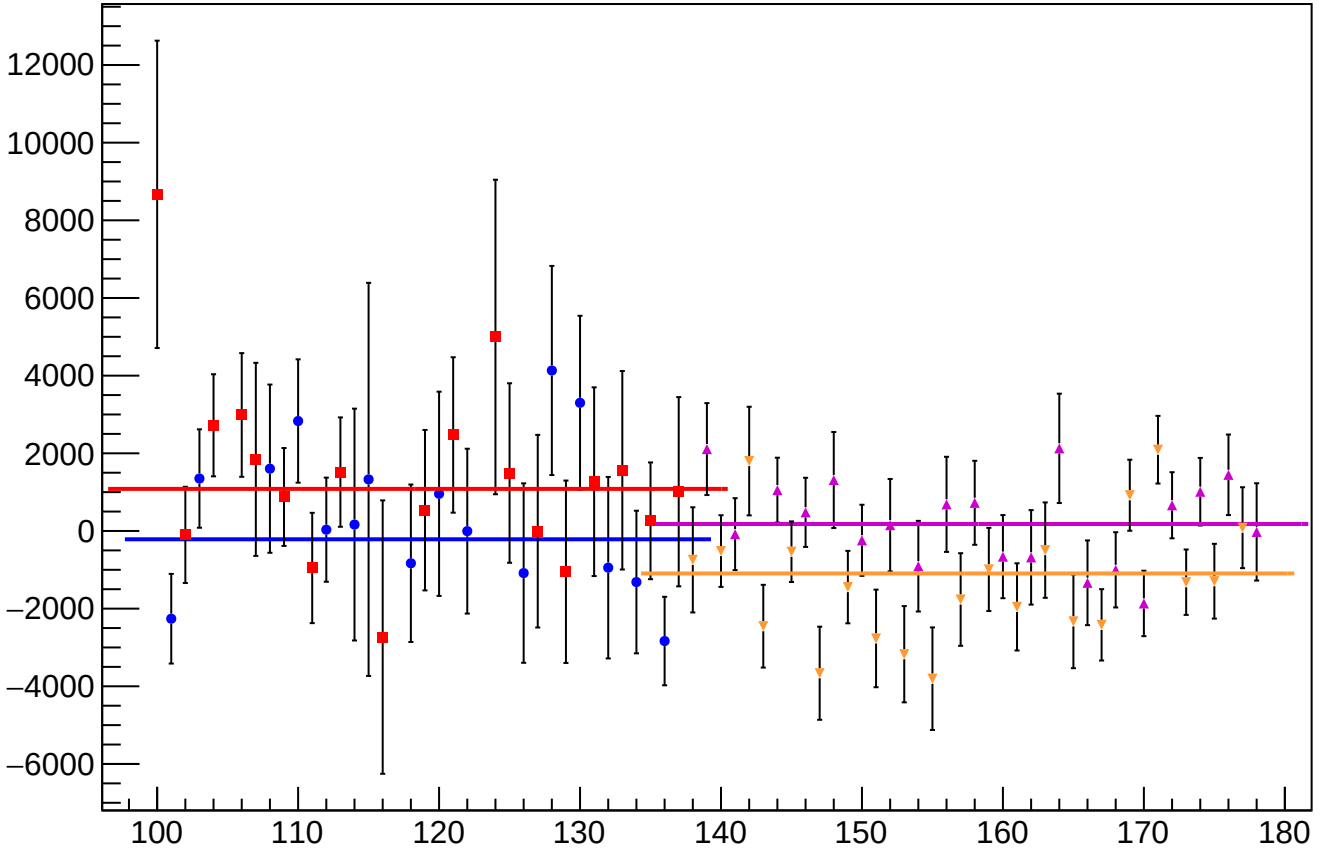
Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 118.516+/-0.017 χ^2/NDF:763769.7/35

Out: 116.926+/-0.017 χ^2/NDF:861963.2/39

All: 117.702+/-0.012 χ^2/NDF: 1629989.9/75

asym_sam_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1094.572+/-227.736 χ^2/NDF:44.3/20

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 179.492+/-229.296 χ^2/NDF:21.4/19

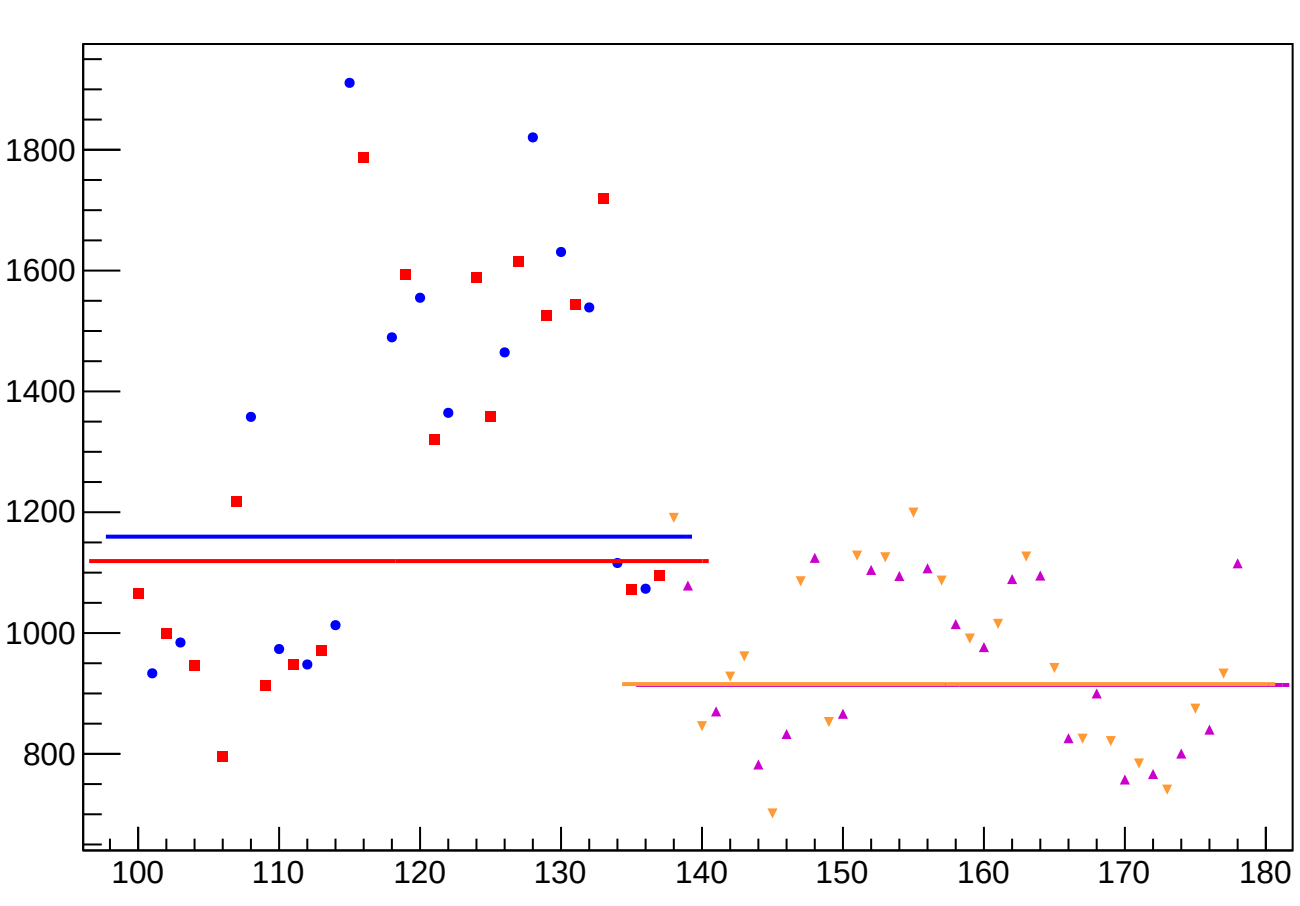
Left: -461.889+/-161.582 χ^2/NDF: 81.2/40

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 96.574+/-203.729 χ^2/NDF:42.4/35

Out: -606.403+/-200.604 χ^2/NDF:78.7/39

All: -260.347+/-142.940 χ^2/NDF: 127.2/75



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: 914.043+/-0.162 χ^2/NDF:658683.5/19

Left: 914.769+/-0.114 χ^2/NDF: 1466977.5/40

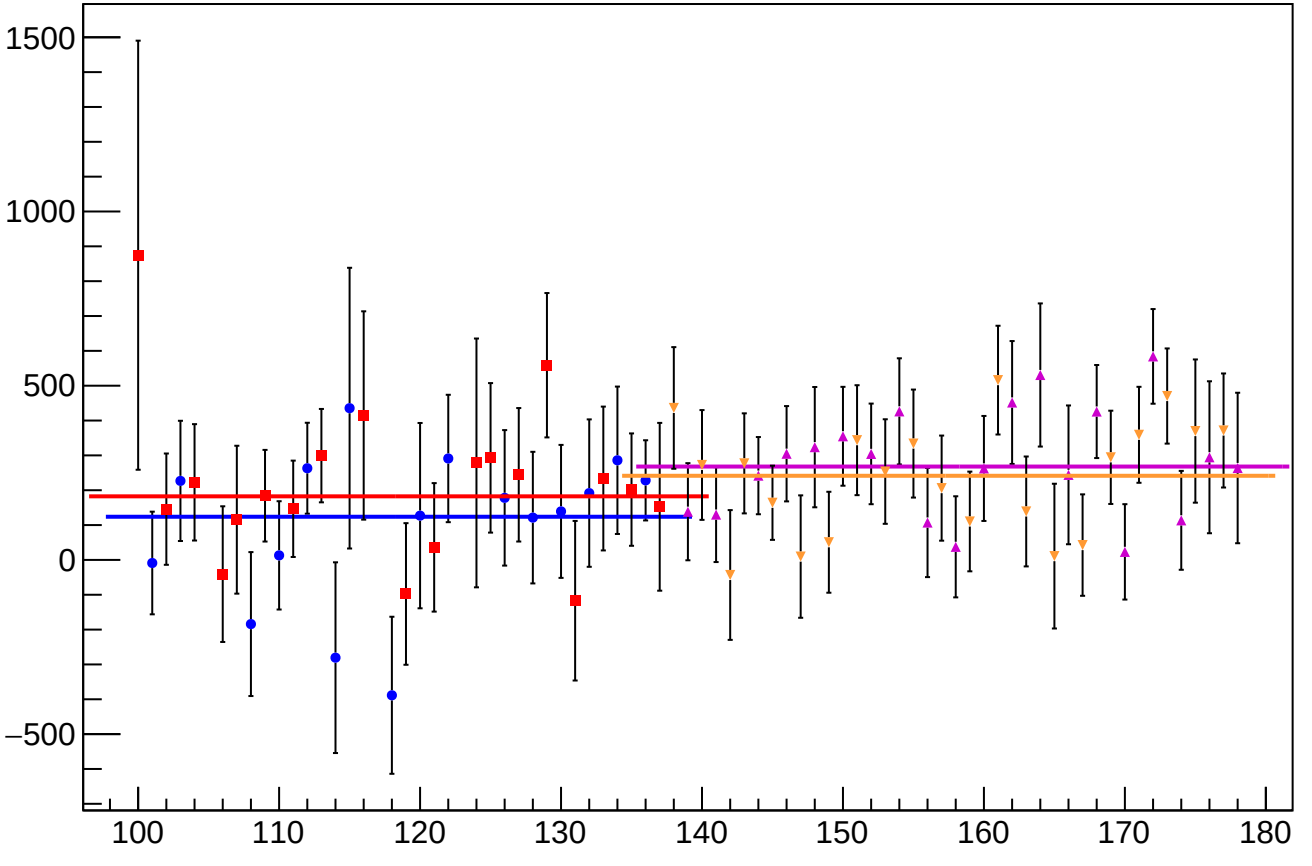
Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 965.746+/-0.144 χ^2/NDF:1825253.0/35

Out: 961.124+/-0.142 χ^2/NDF:1969863.8/39

All: 963.399+/-0.101 χ^2/NDF: 3795639.6/75

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 241.458+/-33.104 χ^2/NDF:20.7/20

Right Out: 182.467+/-43.224 χ^2/NDF: 12.3/18

Left In: 267.968+/-33.639 χ^2/NDF:21.2/19

Left: 254.501+/-23.595 χ^2/NDF: 42.2/40

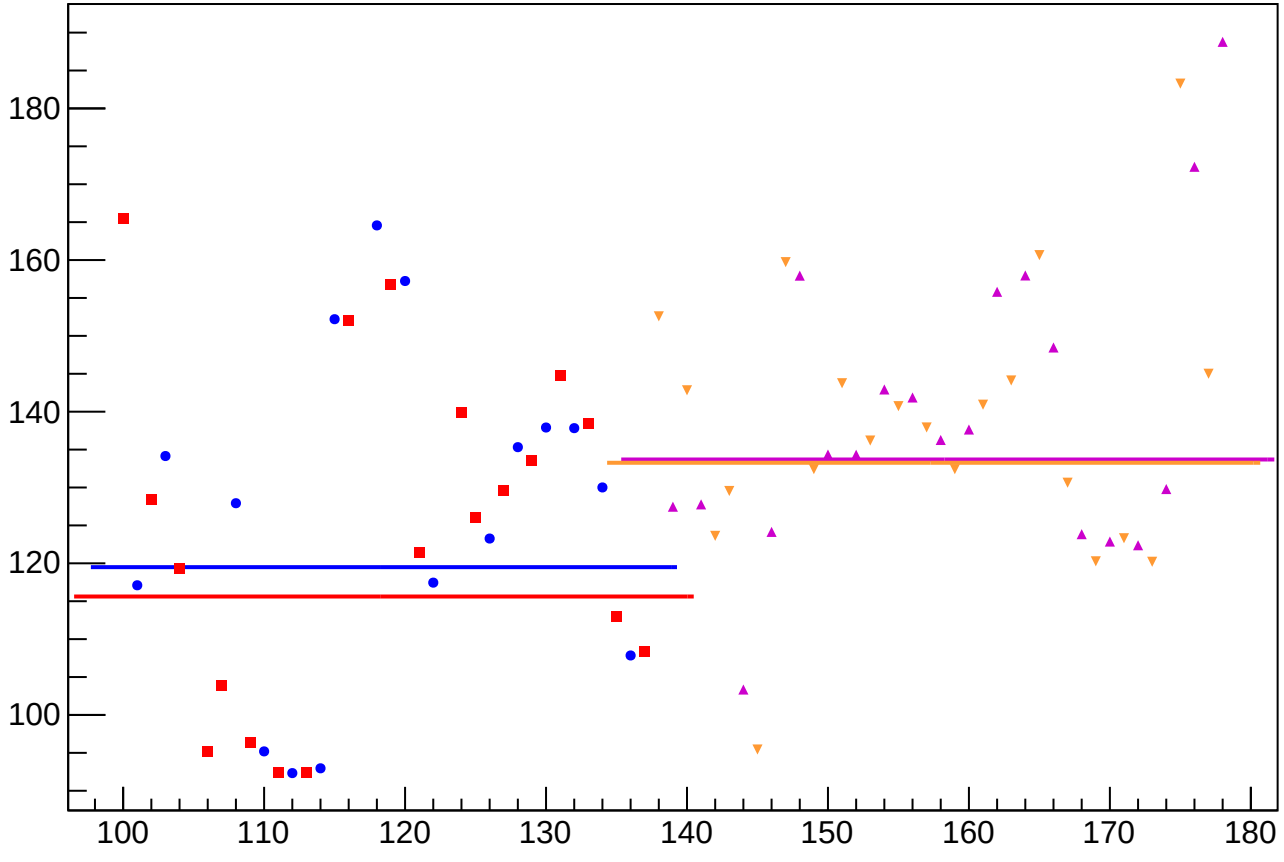
Right: 154.513+/-31.252 χ^2/NDF: 28.6/34

In: 216.668+/-26.994 χ^2/NDF:43.1/35

Out: 219.650+/-26.282 χ^2/NDF:34.2/39

All: 218.199+/-18.831 χ^2/NDF: 77.3/75

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 133.262+/-0.023 χ^2/NDF:578624.4/20

Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 133.694+/-0.024 χ^2/NDF:523825.5/19

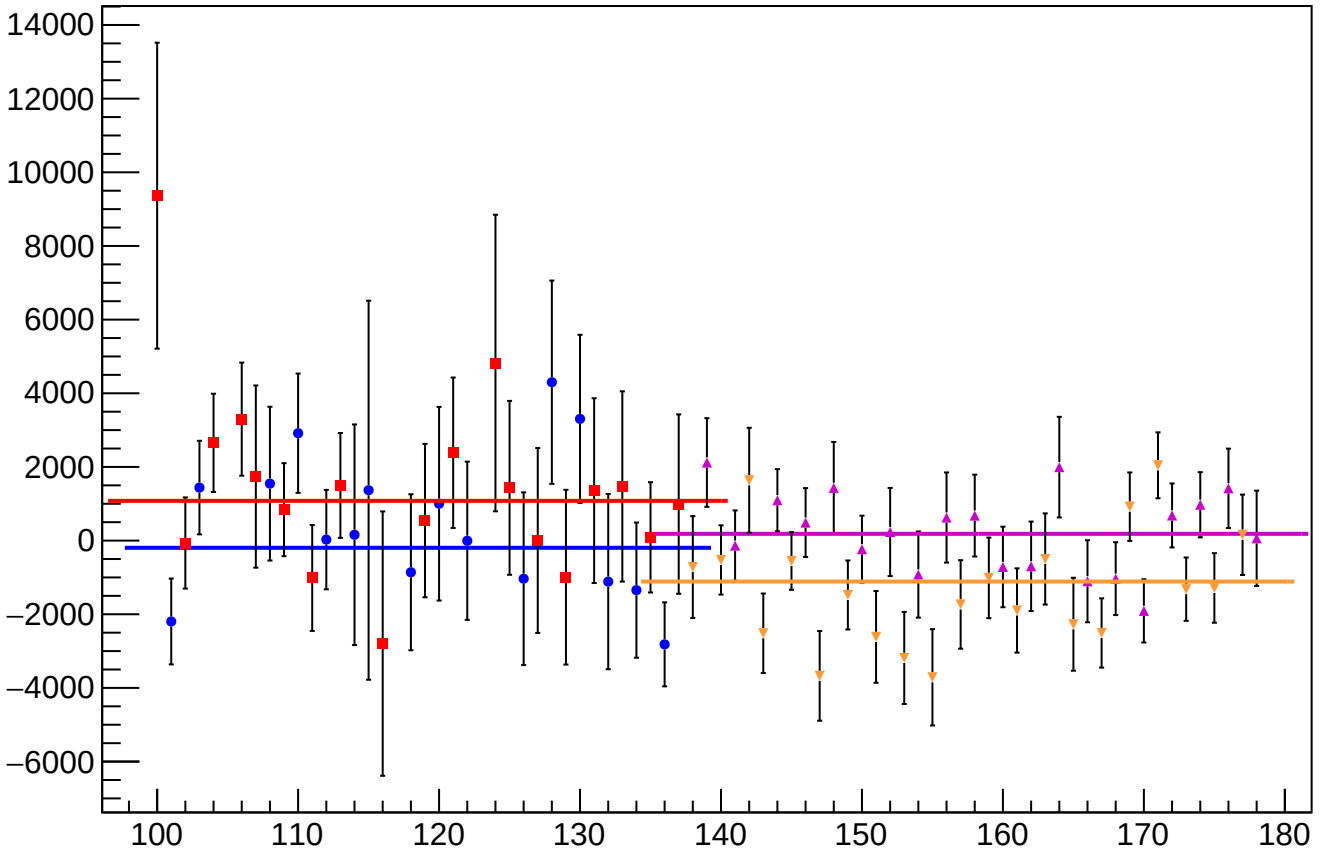
Left: 133.475+/-0.017 χ^2/NDF: 1102617.0/40

Right: 117.470+/-0.022 χ^2/NDF: 814875.1/34

In: 128.638+/-0.019 χ^2/NDF:1030953.9/35

Out: 126.741+/-0.019 χ^2/NDF:1215552.0/39

All: 127.664+/-0.013 χ^2/NDF: 2251577.8/75



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: 183.973+/-233.178 χ^2/NDF:20.6/19

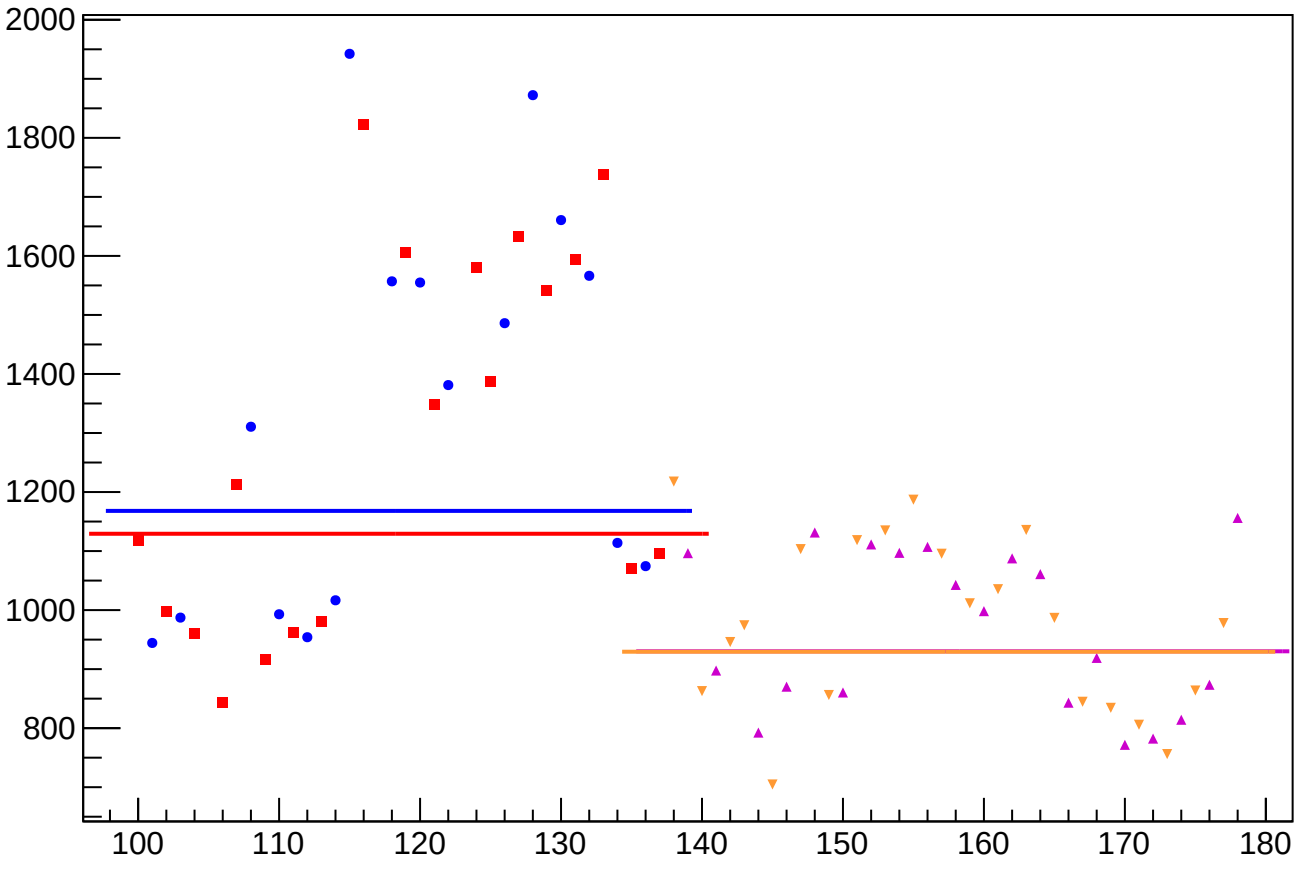
Left: -470.116+/-164.099 χ^2/NDF: 78.0/40

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 102.983+/-206.773 χ^2/NDF:41.6/35

Out: -613.979+/-203.046 χ^2/NDF:76.9/39

All: -262.017+/-144.875 χ^2/NDF: 124.6/75



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: 930.206+/-0.165 χ^2/NDF:613868.9/19

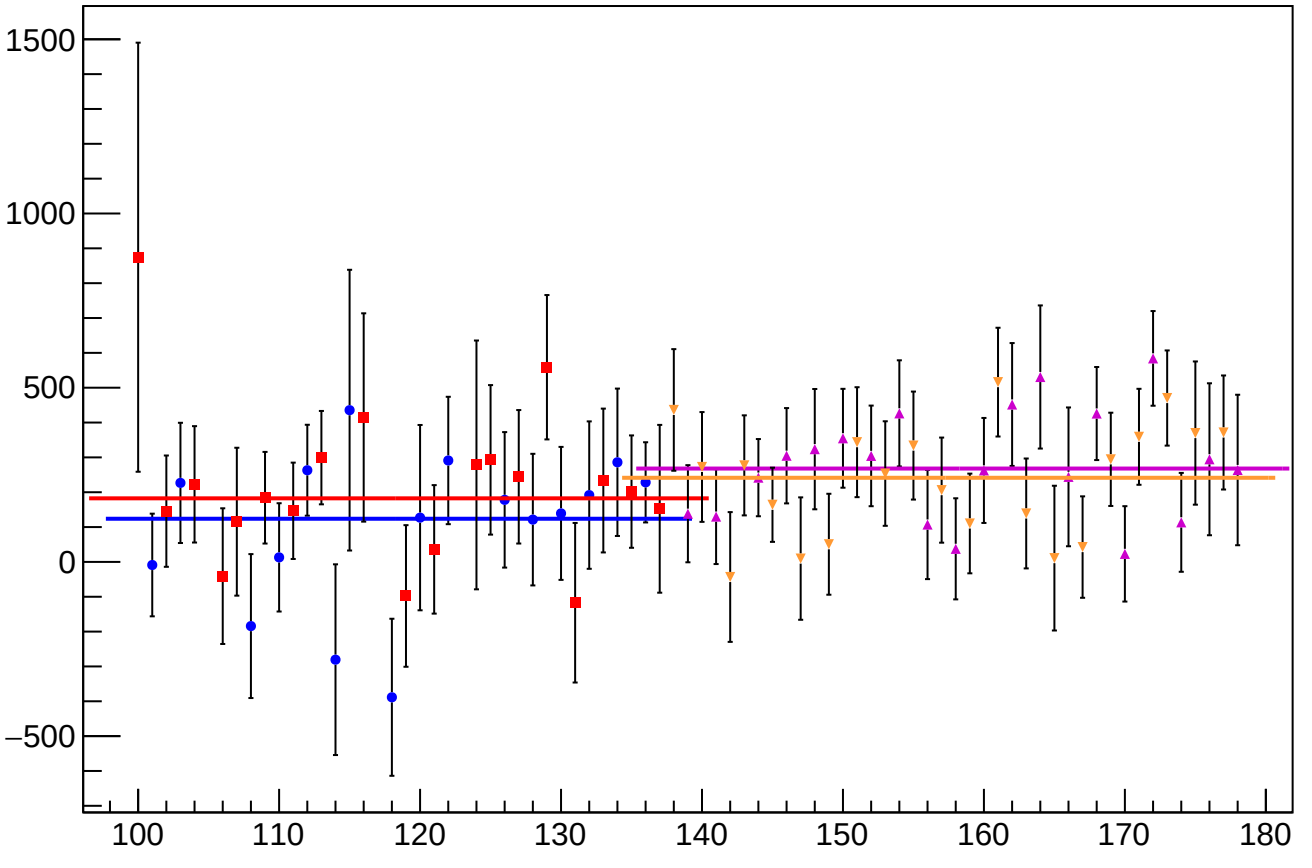
Left: 929.844+/-0.116 χ^2/NDF: 1406902.5/40

Right: 1147.741+/-0.218 χ^2/NDF: 1524455.8/34

In: 981.026+/-0.146 χ^2/NDF:1767873.6/35

Out: 974.897+/-0.144 χ^2/NDF:1940393.7/39

All: 977.906+/-0.102 χ^2/NDF: 3709161.8/75



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: 267.969+/-33.639 χ^2/NDF:21.2/19

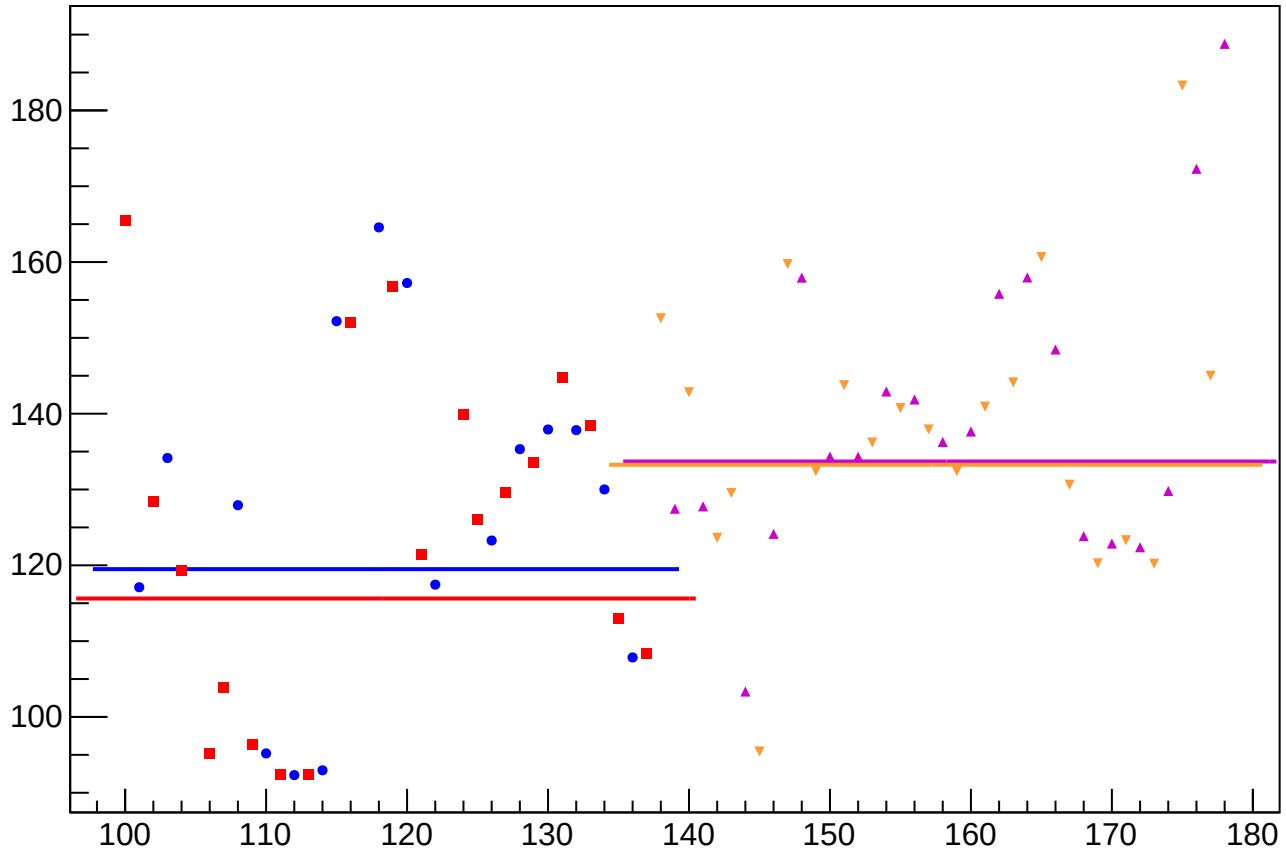
Left: 254.502+/-23.595 χ^2/NDF: 42.2/40

Right: 154.514+/-31.252 χ^2/NDF: 28.6/34

In: 216.669+/-26.994 χ^2/NDF:43.1/35

Out: 219.651+/-26.282 χ^2/NDF:34.2/39

All: 218.200+/-18.831 χ^2/NDF: 77.3/75



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: 133.694+/-0.024 χ^2/NDF:523818.8/19

Left: 133.475+/-0.017 χ^2/NDF: 1102609.7/40

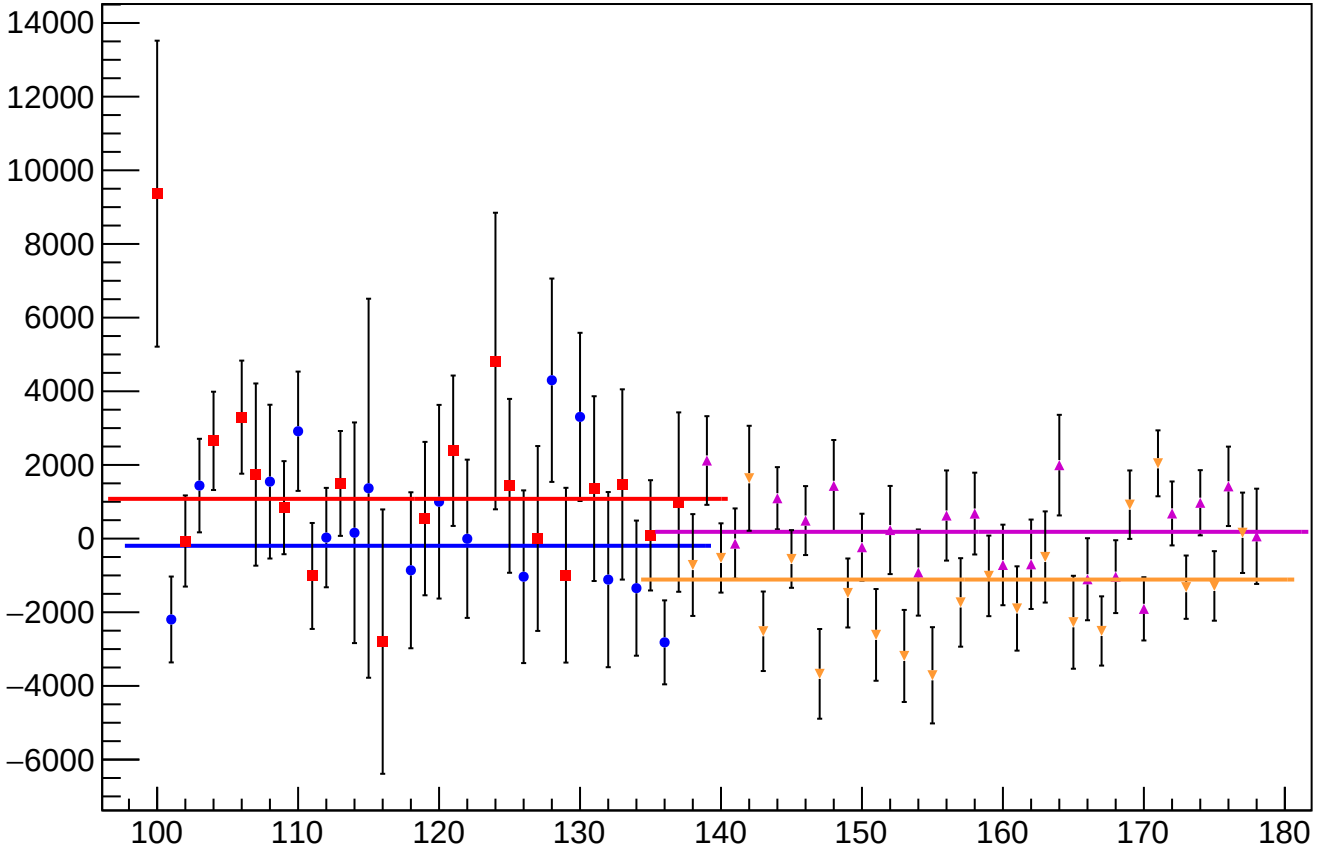
Right: 117.470+/-0.022 χ^2/NDF: 814883.4/34

In: 128.638+/-0.019 χ^2/NDF:1030950.2/35

Out: 126.741+/-0.019 χ^2/NDF:1215557.2/39

All: 127.664+/-0.013 χ^2/NDF: 2251579.3/75

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: 183.972+/-233.178 χ^2/NDF:20.6/19

Left: -470.115+/-164.098 χ^2/NDF: 78.0/40

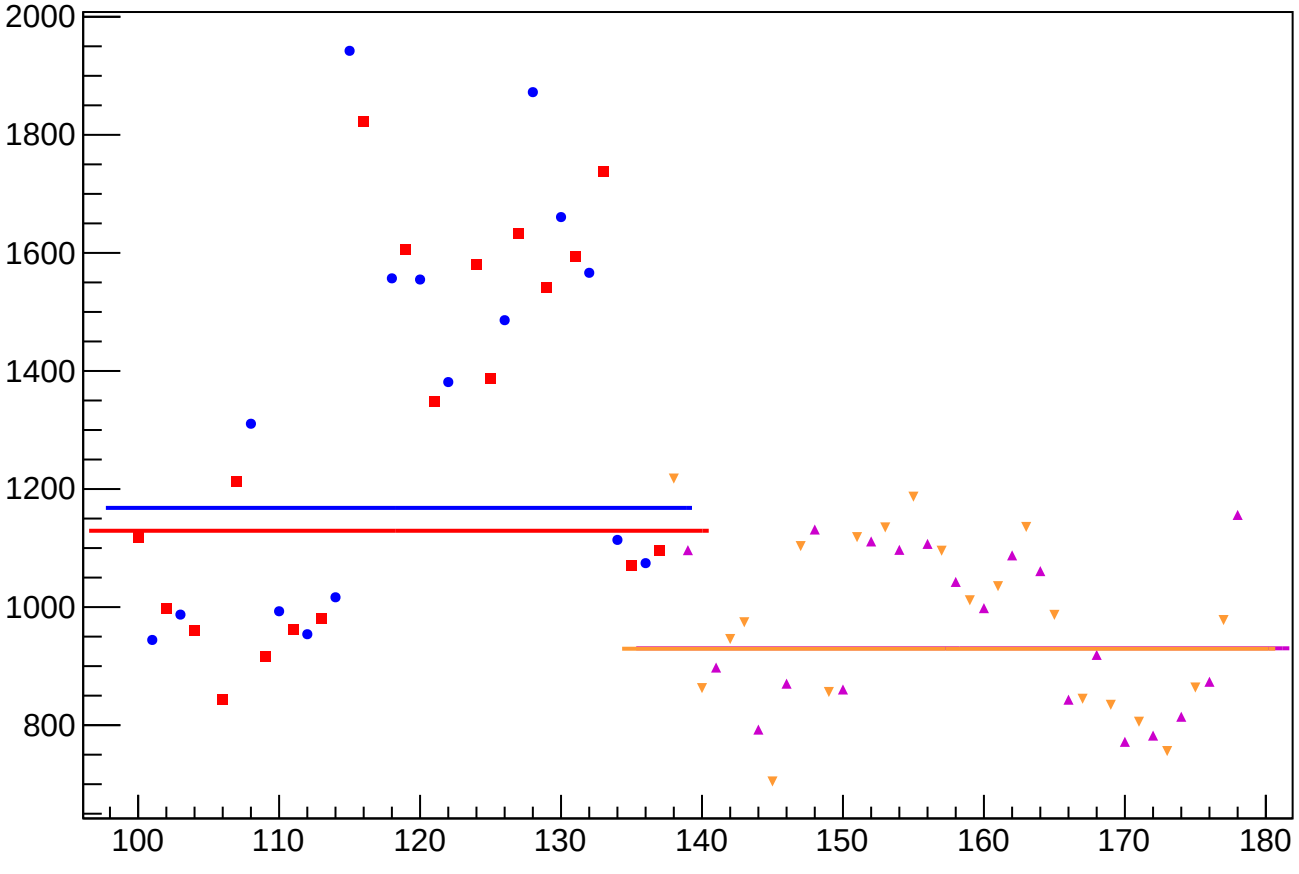
Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 102.982+/-206.773 χ^2/NDF:41.6/35

Out: -613.978+/-203.046 χ^2/NDF:76.9/39

All: -262.017+/-144.875 χ^2/NDF: 124.6/75

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: 930.205+/-0.165 χ^2/NDF:613868.7/19

Left: 929.843+/-0.116 χ^2/NDF: 1406906.2/40

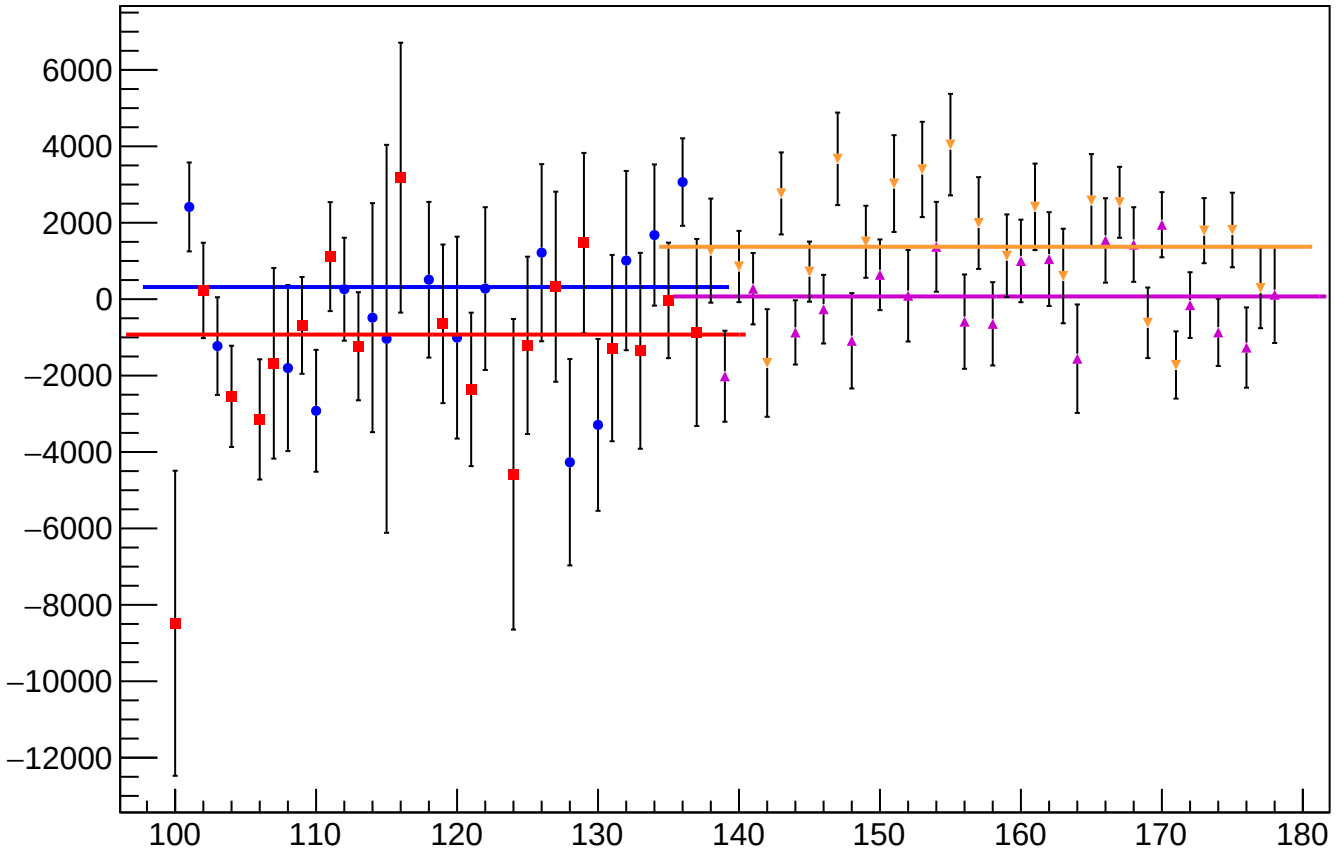
Right: 1147.741+/-0.218 χ^2/NDF: 1524459.2/34

In: 981.025+/-0.146 χ^2/NDF:1767878.4/35

Out: 974.896+/-0.144 χ^2/NDF:1940401.7/39

All: 977.905+/-0.102 χ^2/NDF: 3709174.7/75

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: 71.048+/-231.431 χ^2/NDF:21.8/19

Left: 725.653+/-163.074 χ^2/NDF: 79.6/40

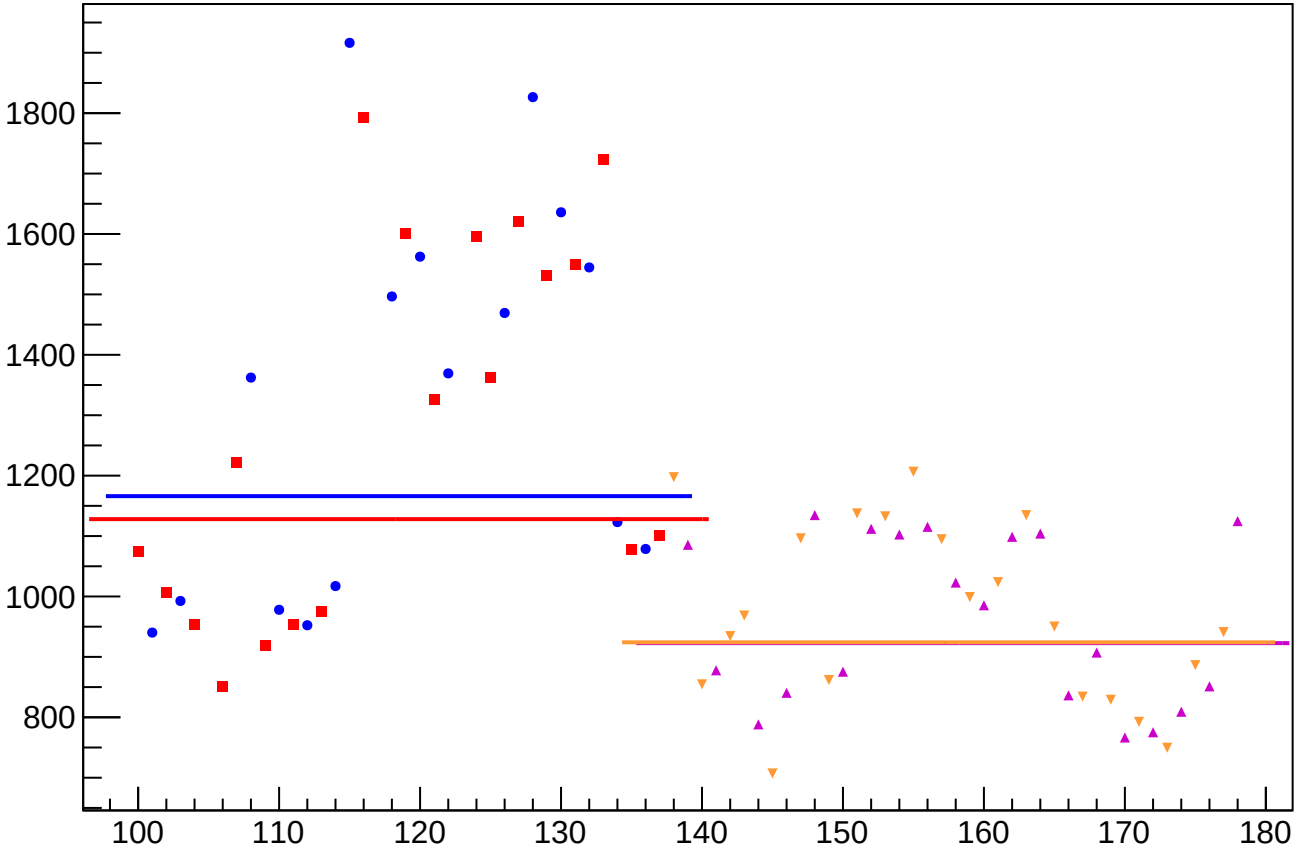
Right: -334.180+/-307.942 χ^2/NDF: 40.8/34

In: 123.239+/-205.455 χ^2/NDF:44.2/35

Out: 852.188+/-202.200 χ^2/NDF:79.1/39

All: 493.534+/-144.114 χ^2/NDF: 129.7/75

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: 922.758+/-0.164 χ^2/NDF:647982.9/19

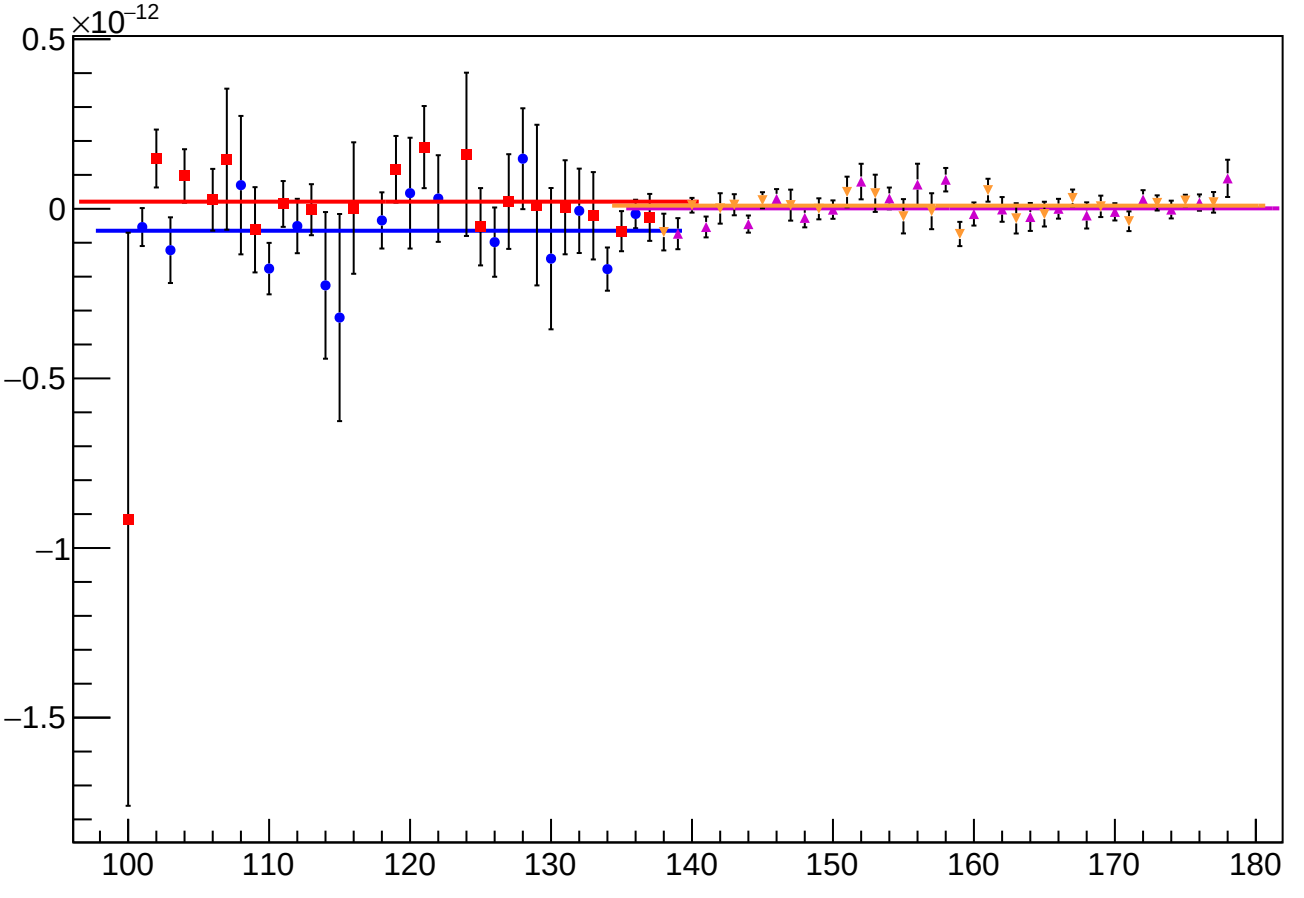
Left: 923.437+/-0.115 χ^2/NDF: 1444083.7/40

Right: 1146.118+/-0.218 χ^2/NDF: 1460446.1/34

In: 974.309+/-0.145 χ^2/NDF:1793392.6/35

Out: 970.172+/-0.143 χ^2/NDF:1927499.5/39

All: 972.207+/-0.102 χ^2/NDF: 3721304.0/75



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:26.7/19

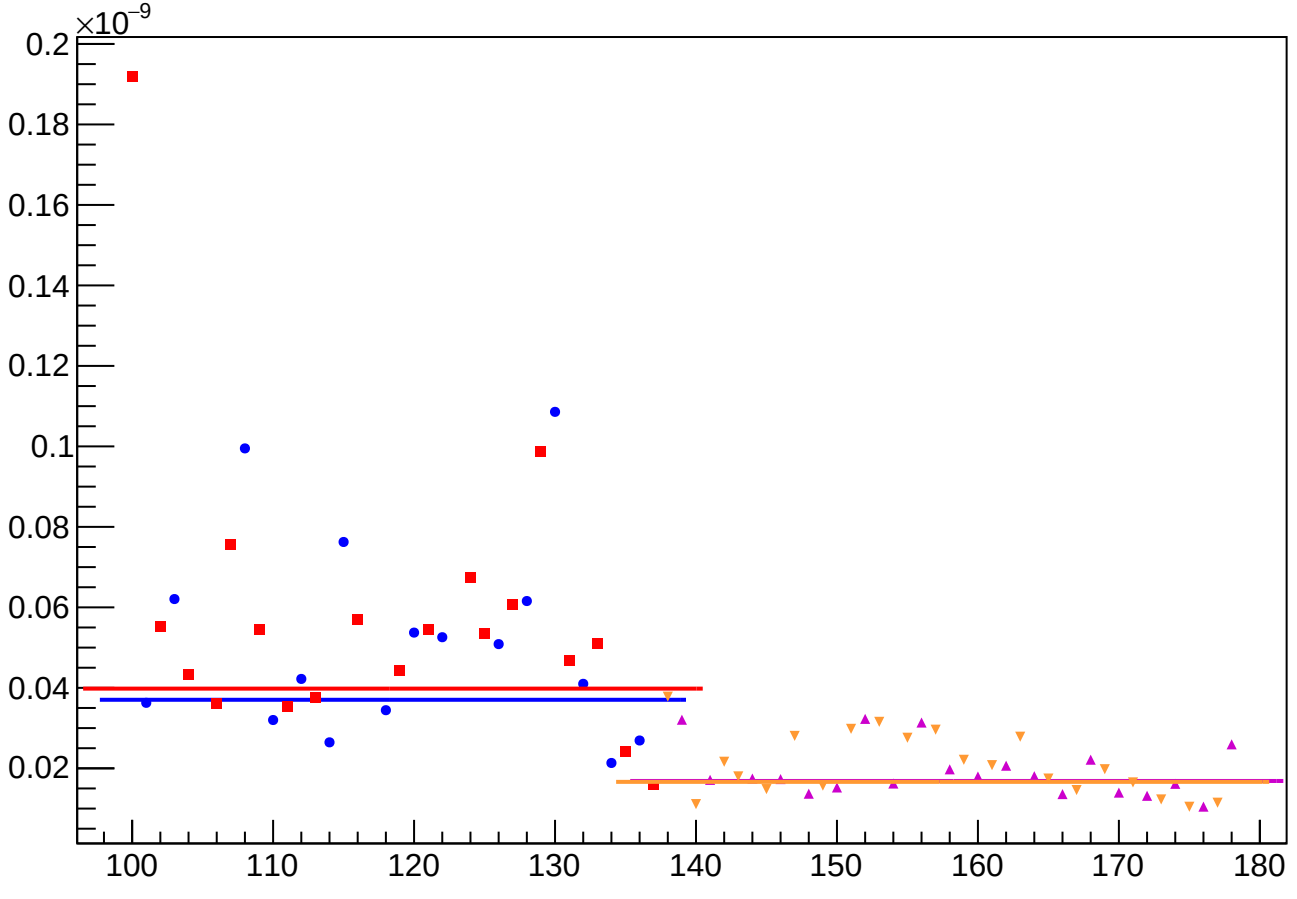
Left: 0.000+/-0.000 χ^2/NDF: 44.4/40

Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:47.4/35

Out: 0.000+/-0.000 χ^2/NDF:28.9/39

All: 0.000+/-0.000 χ^2/NDF: 78.9/75



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:903728.2/19

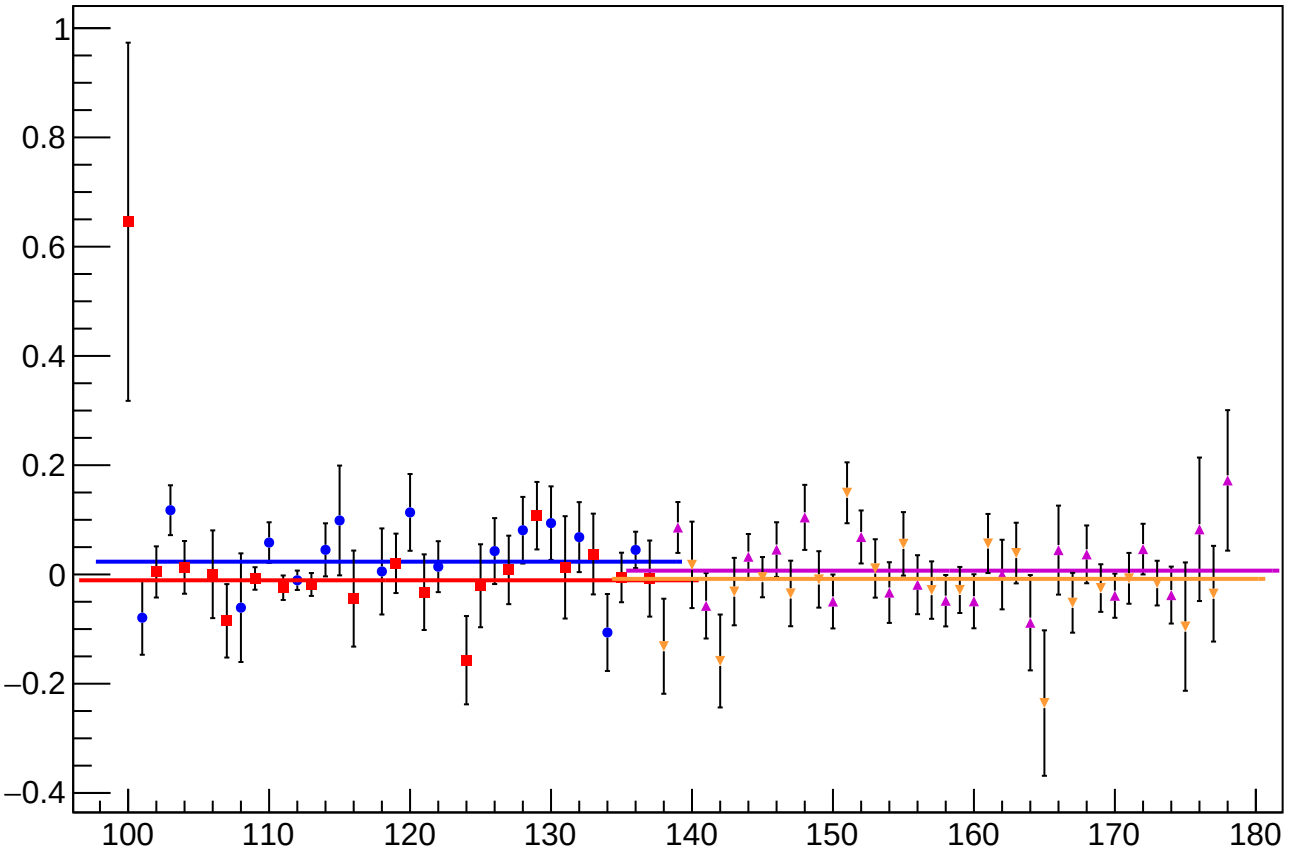
Left: 0.000+/-0.000 χ^2/NDF: 2666245.3/40

Right: 0.000+/-0.000 χ^2/NDF: 1914342.0/34

In: 0.000+/-0.000 χ^2/NDF:3443339.4/35

Out: 0.000+/-0.000 χ^2/NDF:4517445.4/39

All: 0.000+/-0.000 χ^2/NDF: 7963318.2/75



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: 0.007+/-0.012 χ^2/NDF:20.5/19

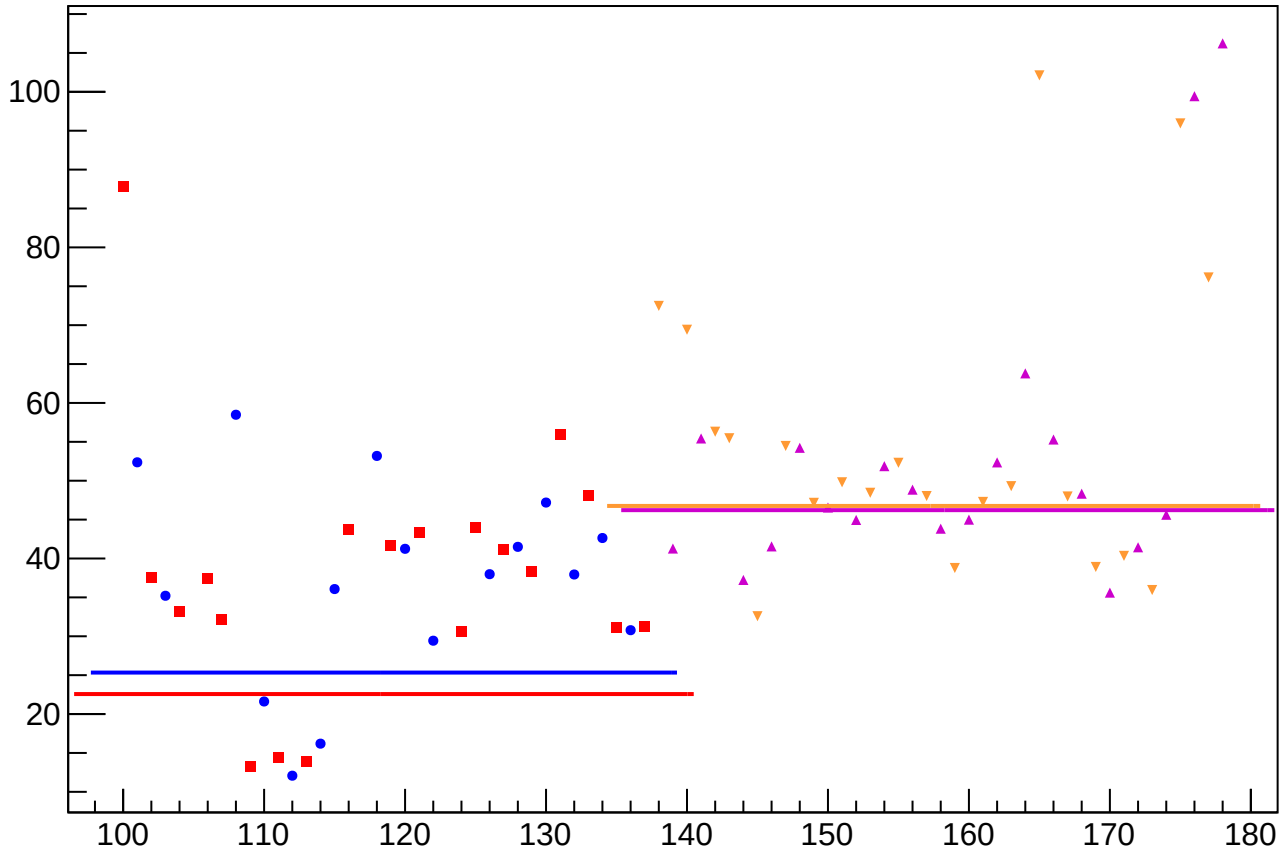
Left: -0.001+/-0.009 χ^2/NDF: 43.1/40

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.016+/-0.008 χ^2/NDF:42.2/35

Out: -0.010+/-0.008 χ^2/NDF:36.1/39

All: 0.002+/-0.006 χ^2/NDF: 83.6/75



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: 46.216+/-0.009 χ^2/NDF:1301117.3/19

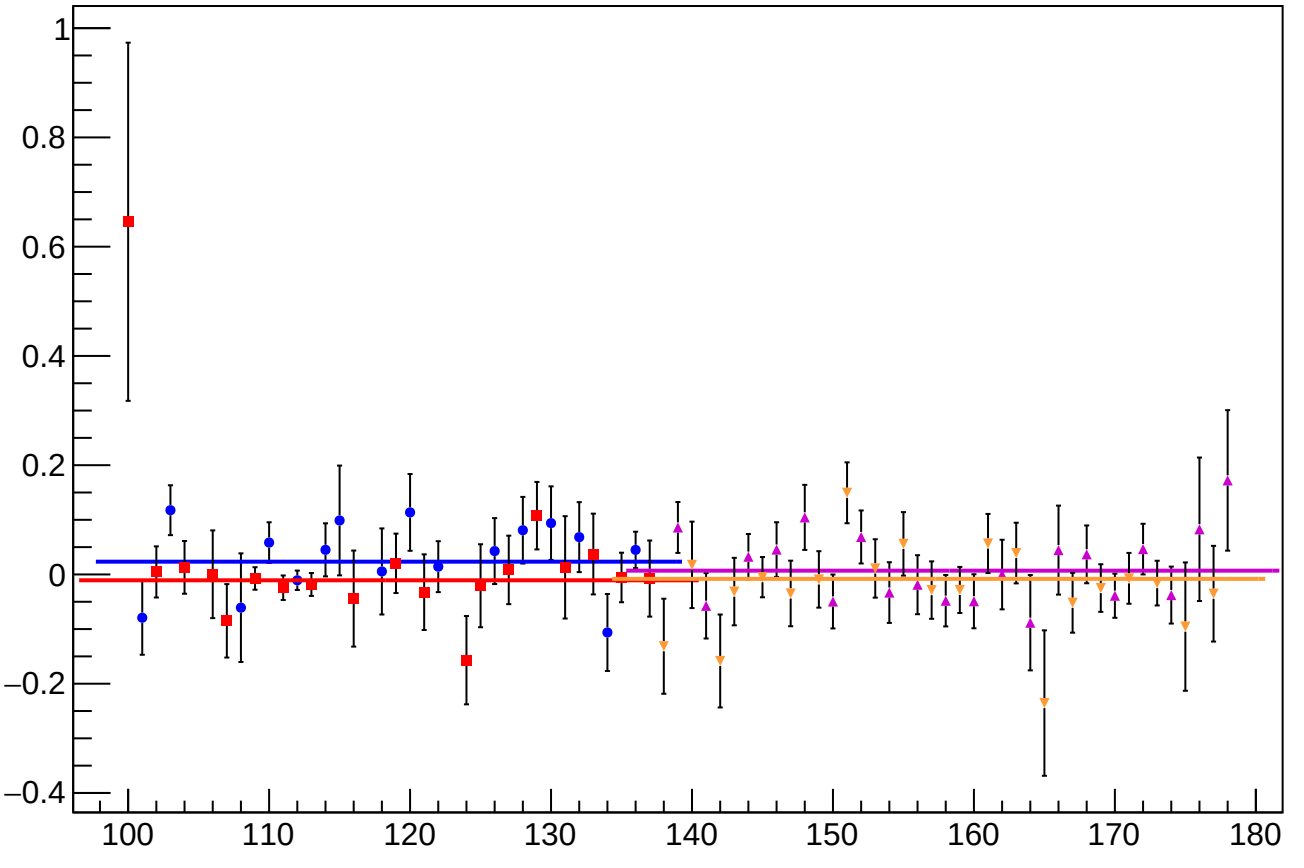
Left: 46.487+/-0.006 χ^2/NDF: 3304360.4/40

Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 34.835+/-0.006 χ^2/NDF:7464946.3/35

Out: 32.145+/-0.005 χ^2/NDF:9961436.3/39

All: 33.396+/-0.004 χ^2/NDF: 17542291.9/75



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: 0.007+/-0.012 χ^2/NDF:20.5/19

Left: -0.001+/-0.009 χ^2/NDF: 43.1/40

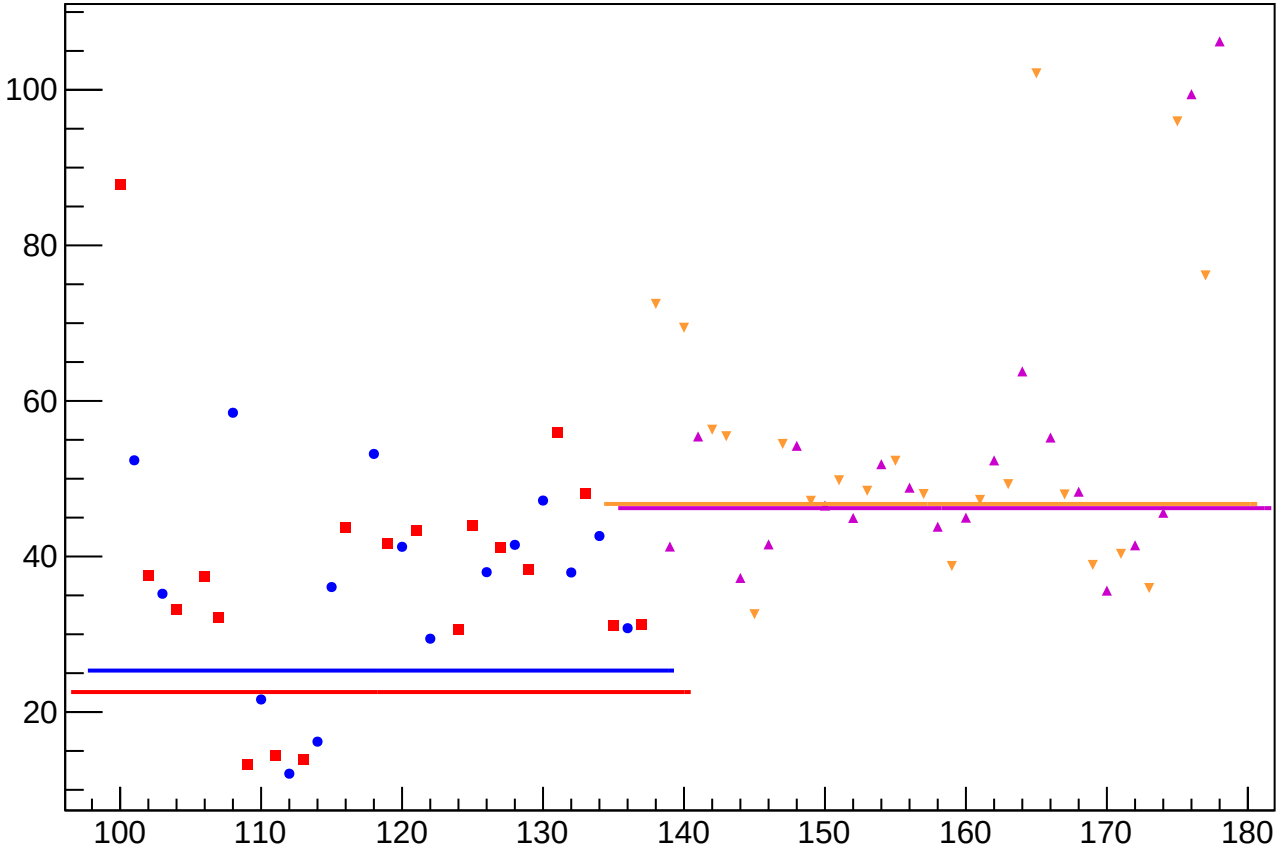
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.016+/-0.008 χ^2/NDF:42.2/35

Out: -0.010+/-0.008 χ^2/NDF:36.1/39

All: 0.002+/-0.006 χ^2/NDF: 83.6/75

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: 46.216+/-0.009 χ^2/NDF:1301117.3/19

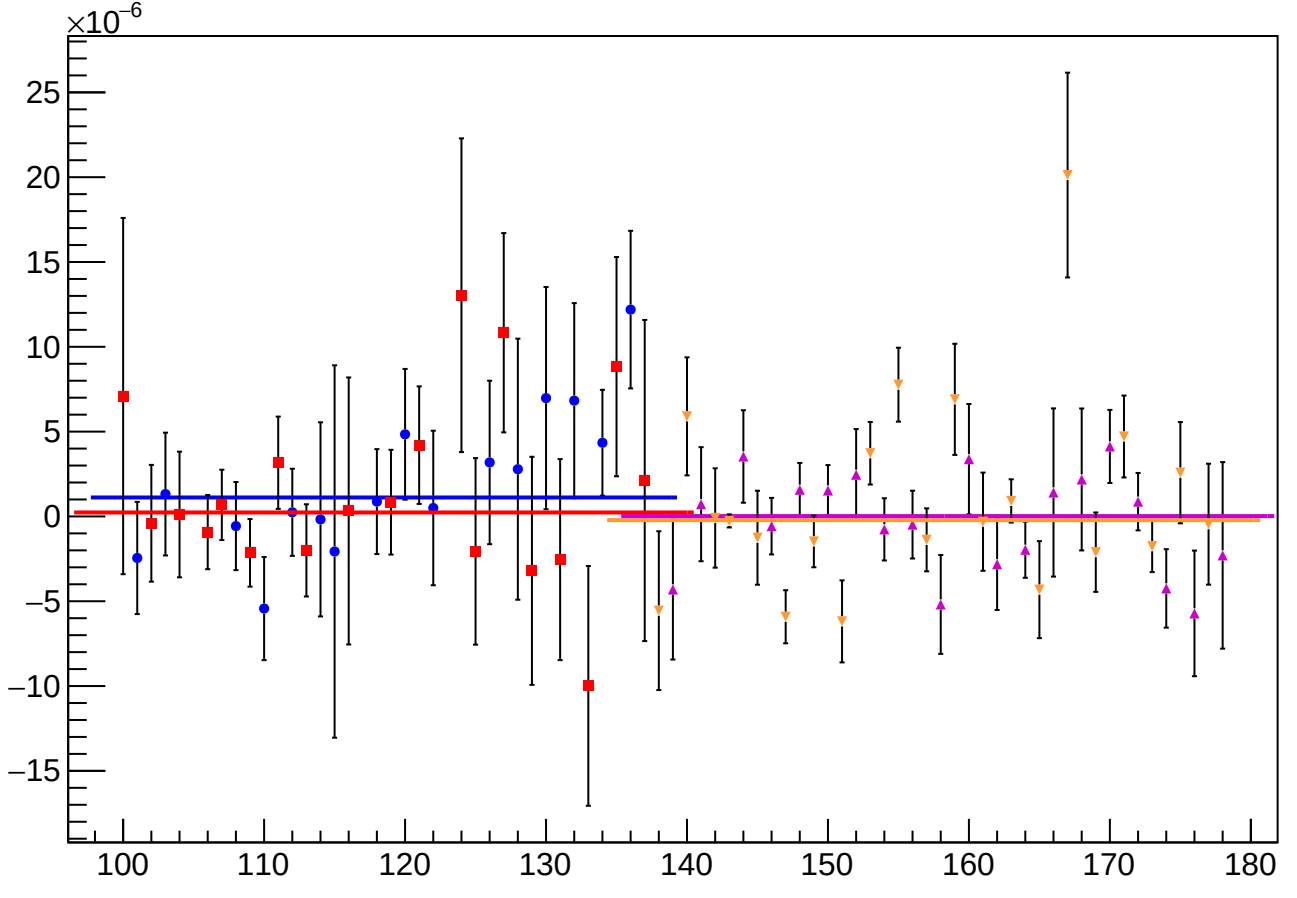
Left: 46.487+/-0.006 χ^2/NDF: 3304360.4/40

Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 34.835+/-0.006 χ^2/NDF:7464946.3/35

Out: 32.145+/-0.005 χ^2/NDF:9961436.3/39

All: 33.396+/-0.004 χ^2/NDF: 17542291.9/75



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:23.0/19

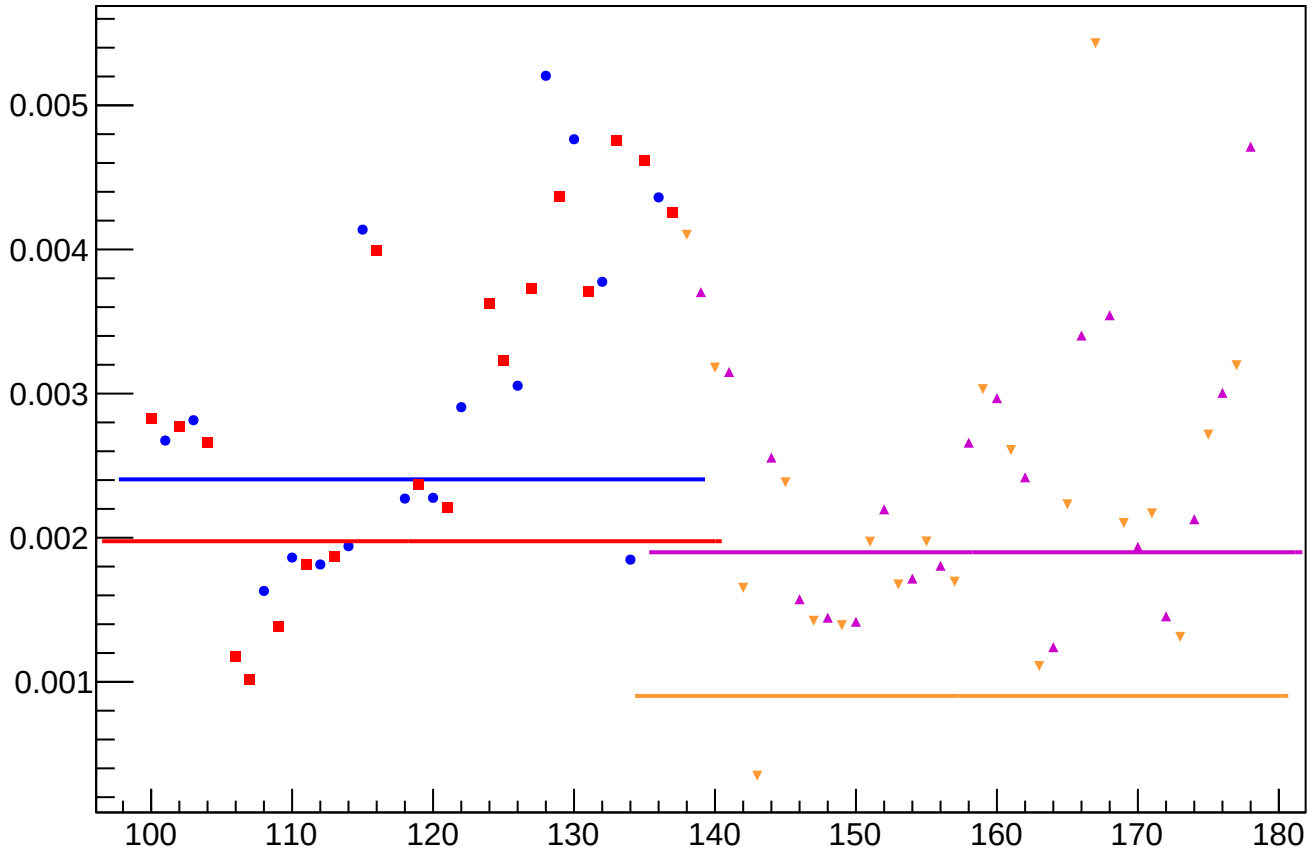
Left: -0.000+/-0.000 χ^2/NDF: 91.7/40

Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: 0.000+/-0.000 χ^2/NDF:40.2/35

Out: -0.000+/-0.000 χ^2/NDF:84.0/39

All: -0.000+/-0.000 χ^2/NDF: 124.8/75



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:3368363.3/19

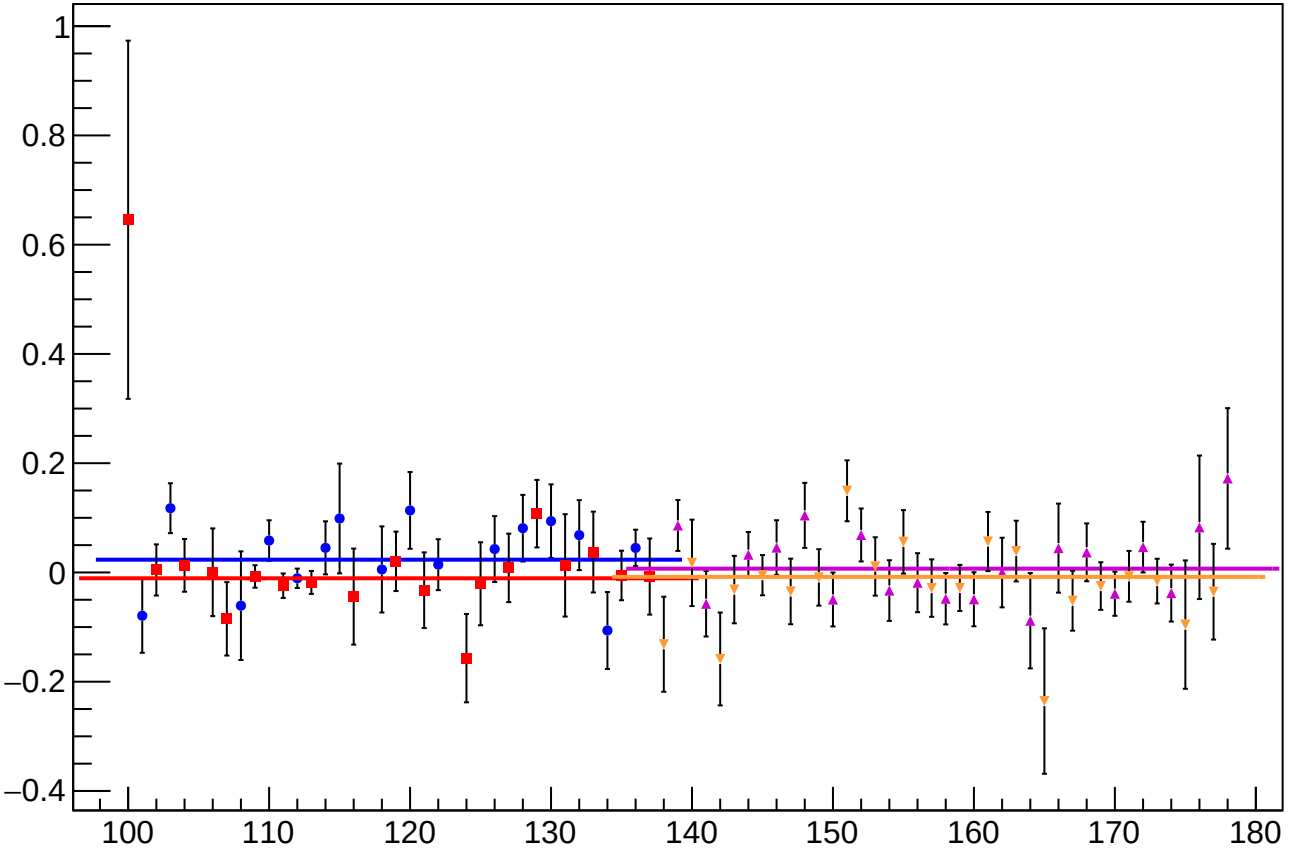
Left: 0.001+/-0.000 χ^2/NDF: 23571442.8/40

Right: 0.002+/-0.000 χ^2/NDF: 4581712.7/34

In: 0.002+/-0.000 χ^2/NDF:5376939.3/35

Out: 0.001+/-0.000 χ^2/NDF:20400371.6/39

All: 0.001+/-0.000 χ^2/NDF: 32522897.4/75



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: 0.007+/-0.012 χ^2/NDF:20.5/19

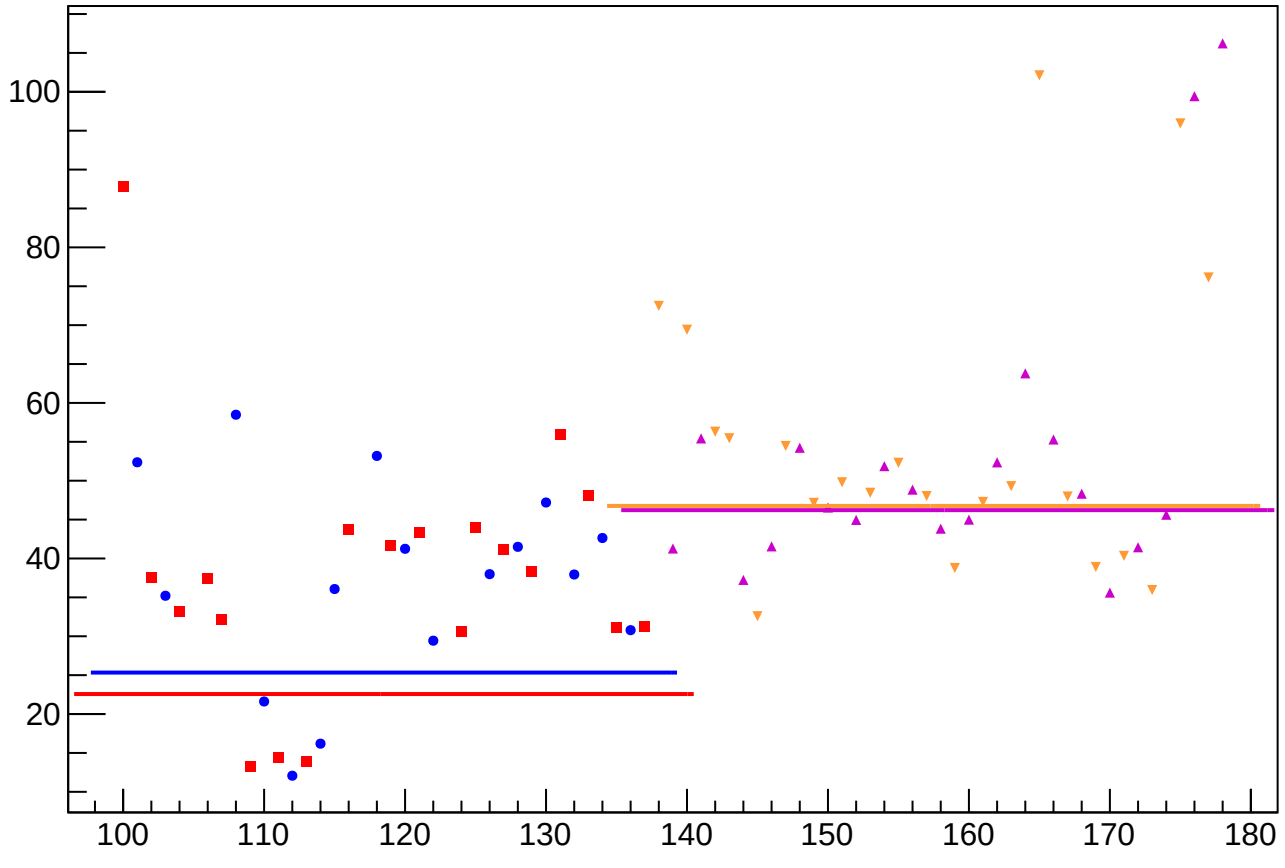
Left: -0.001+/-0.009 χ^2/NDF: 43.1/40

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.016+/-0.008 χ^2/NDF:42.2/35

Out: -0.010+/-0.008 χ^2/NDF:36.1/39

All: 0.002+/-0.006 χ^2/NDF: 83.6/75



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: 46.216+/-0.009 χ^2/NDF:1301084.6/19

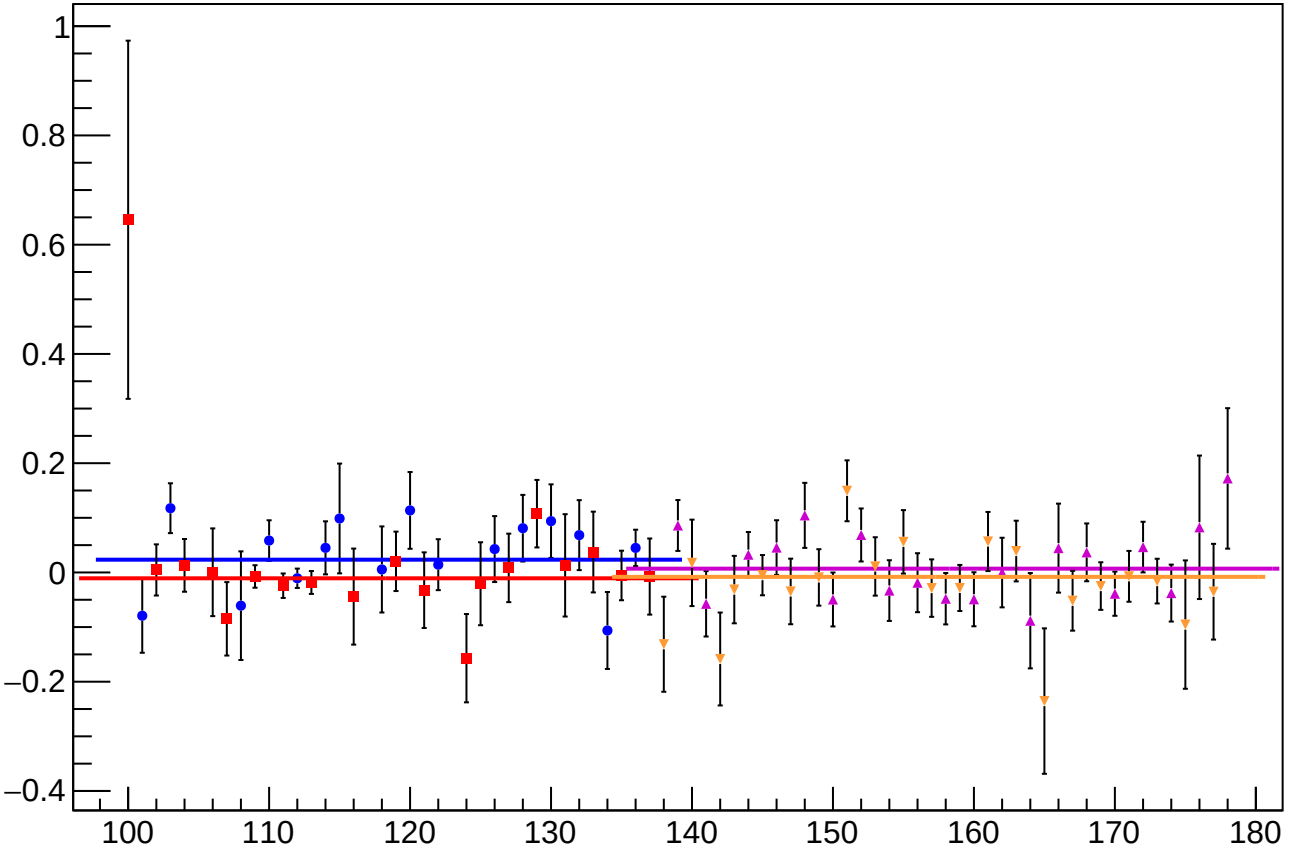
Left: 46.488+/-0.006 χ^2/NDF: 3304285.8/40

Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 34.834+/-0.006 χ^2/NDF:7465891.7/35

Out: 32.145+/-0.005 χ^2/NDF:9961768.4/39

All: 33.395+/-0.004 χ^2/NDF: 17543508.2/75



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: 0.007+/-0.012 χ^2/NDF:20.5/19

Left: -0.001+/-0.009 χ^2/NDF: 43.1/40

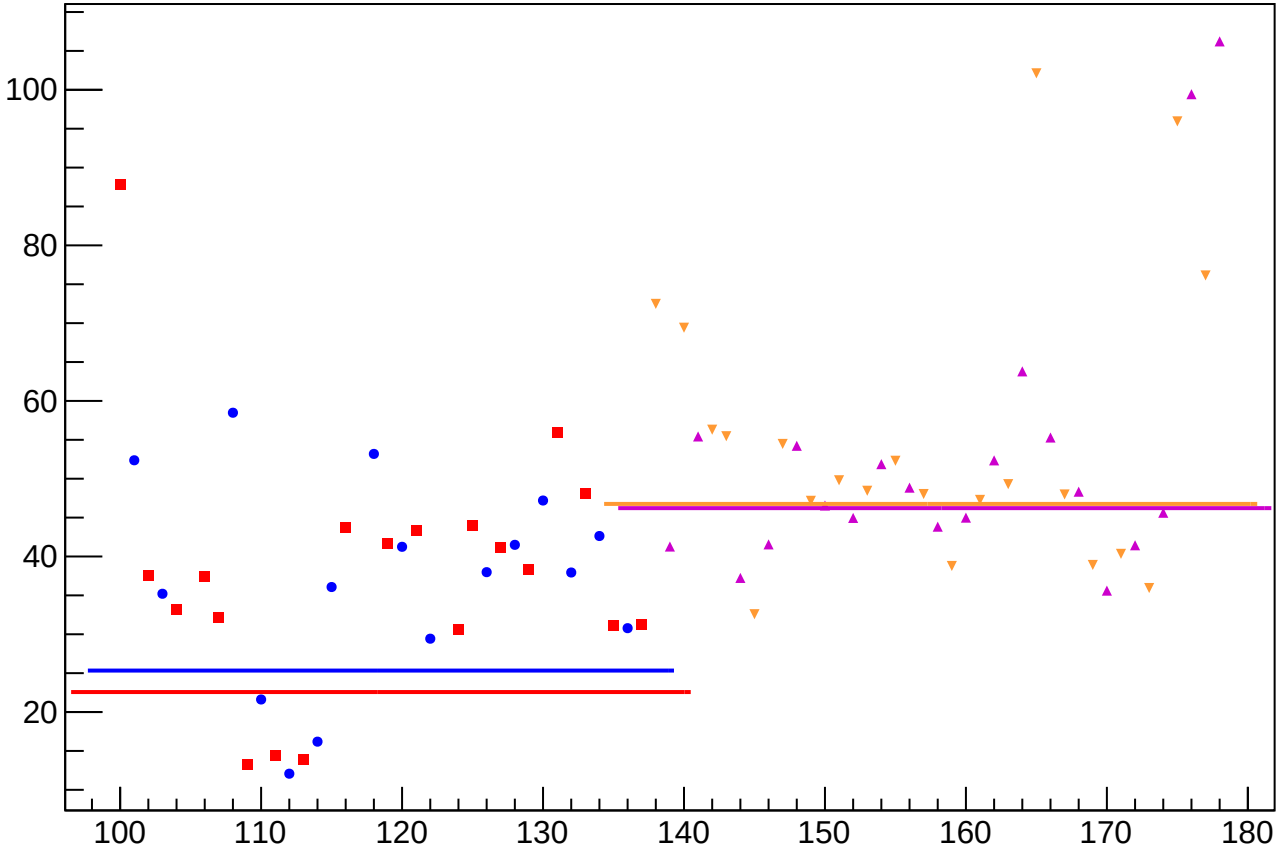
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.016+/-0.008 χ^2/NDF:42.2/35

Out: -0.010+/-0.008 χ^2/NDF:36.1/39

All: 0.002+/-0.006 χ^2/NDF: 83.6/75

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: 46.216+/-0.009 χ^2/NDF:1301084.6/19

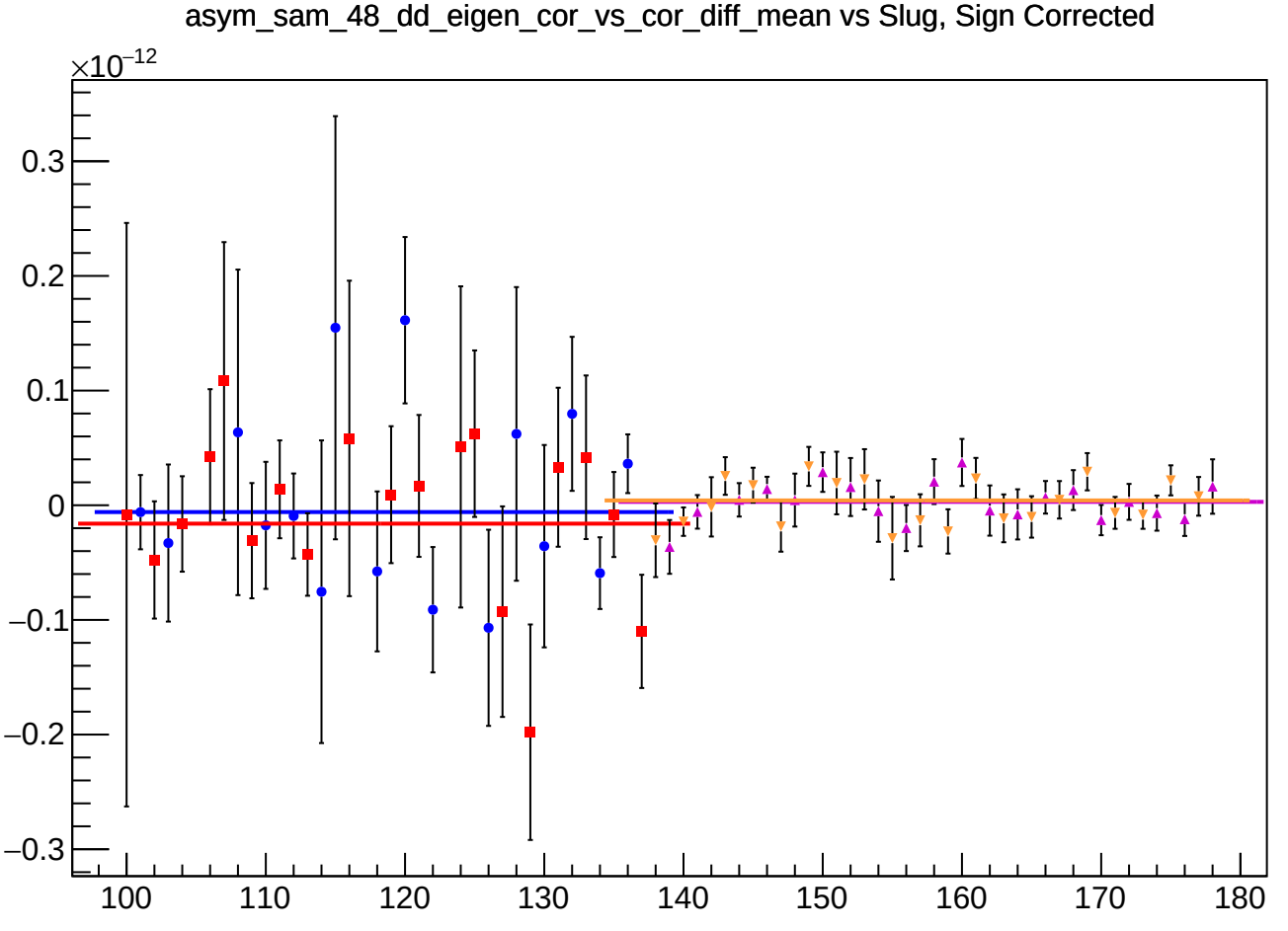
Left: 46.488+/-0.006 χ^2/NDF: 3304285.8/40

Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 34.834+/-0.006 χ^2/NDF:7465891.7/35

Out: 32.145+/-0.005 χ^2/NDF:9961768.4/39

All: 33.395+/-0.004 χ^2/NDF: 17543508.2/75



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:15.8/19

Left: 0.000+/-0.000 χ^2/NDF: 38.2/40

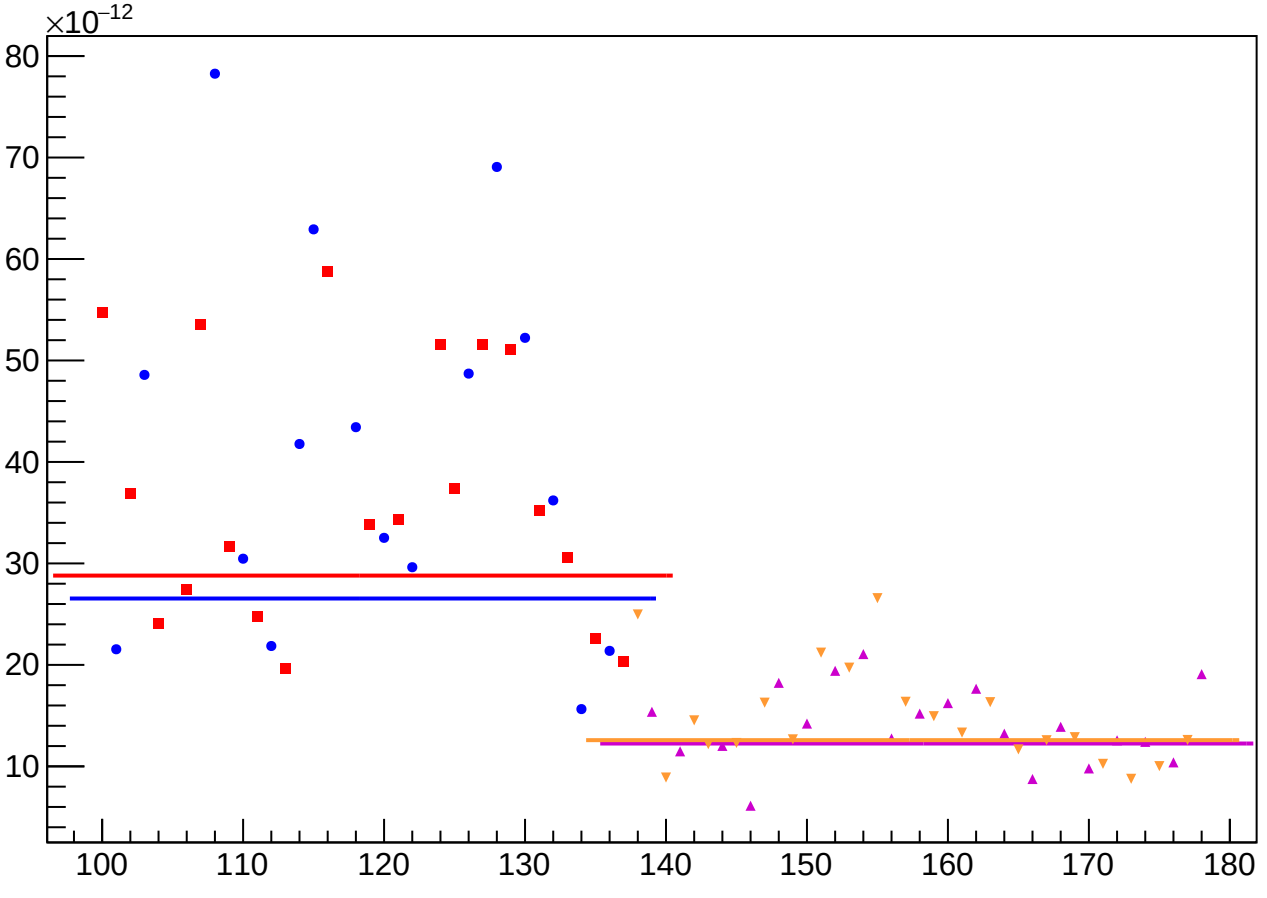
Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: 0.000+/-0.000 χ^2/NDF:35.1/35

Out: 0.000+/-0.000 χ^2/NDF:39.4/39

All: 0.000+/-0.000 χ^2/NDF: 74.5/75

asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1693643.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1674164.5/20

Right Out: 0.000+/-0.000 χ^2/NDF: 910681.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1892374.4/19

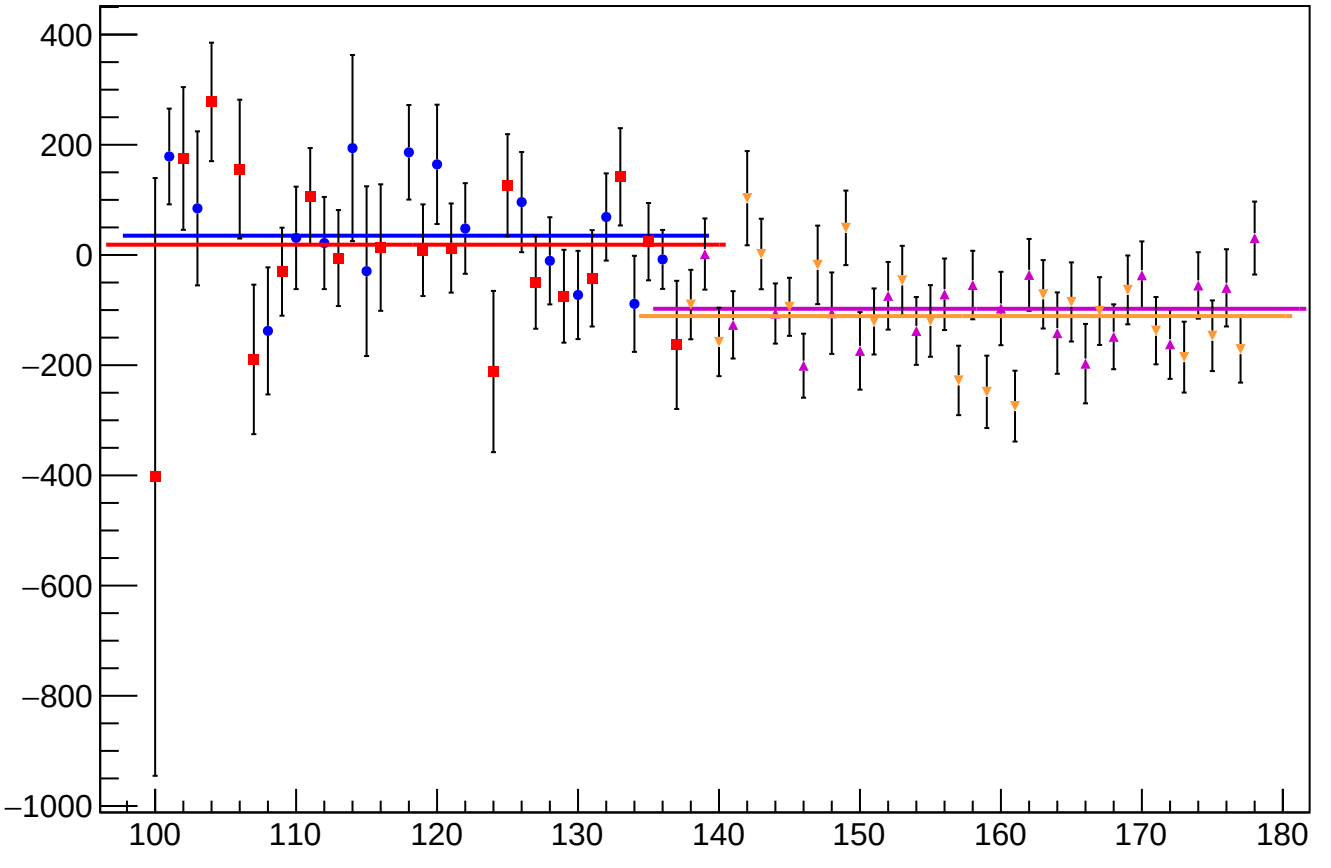
Left: 0.000+/-0.000 χ^2/NDF: 3574033.7/40

Right: 0.000+/-0.000 χ^2/NDF: 2634482.2/34

In: 0.000+/-0.000 χ^2/NDF:5902603.5/35

Out: 0.000+/-0.000 χ^2/NDF:5332133.6/39

All: 0.000+/-0.000 χ^2/NDF: 11246610.8/75



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: -97.639+/-14.289 χ^2/NDF:18.7/19

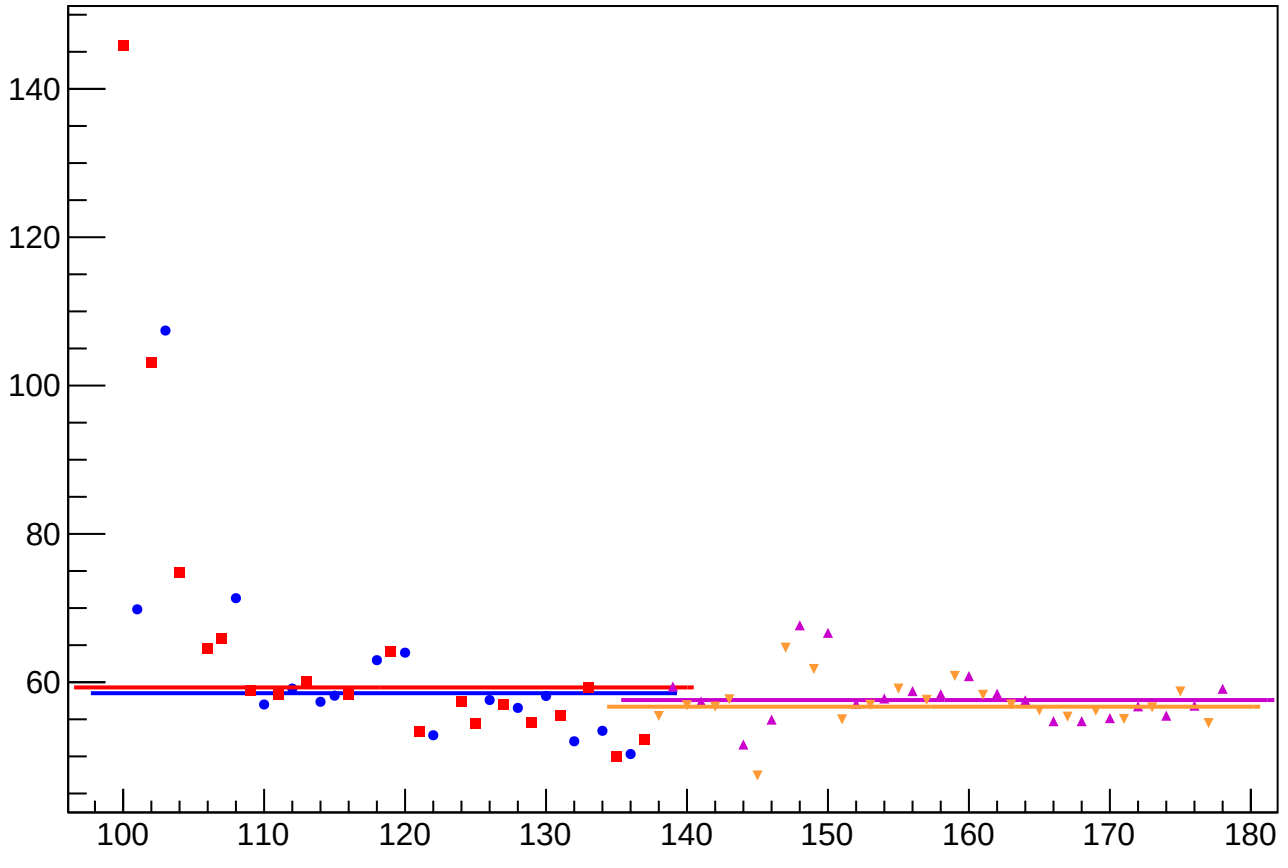
Left: -104.450+/-9.971 χ^2/NDF: 55.9/40

Right: 26.855+/-15.652 χ^2/NDF: 40.0/34

In: -58.617+/-12.005 χ^2/NDF:60.2/35

Out: -74.187+/-11.784 χ^2/NDF:84.9/39

All: -66.546+/-8.410 χ^2/NDF: 145.9/75



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: 57.599+/-0.010 χ^2/NDF:121361.5/19

Left: 57.137+/-0.007 χ^2/NDF: 246426.4/40

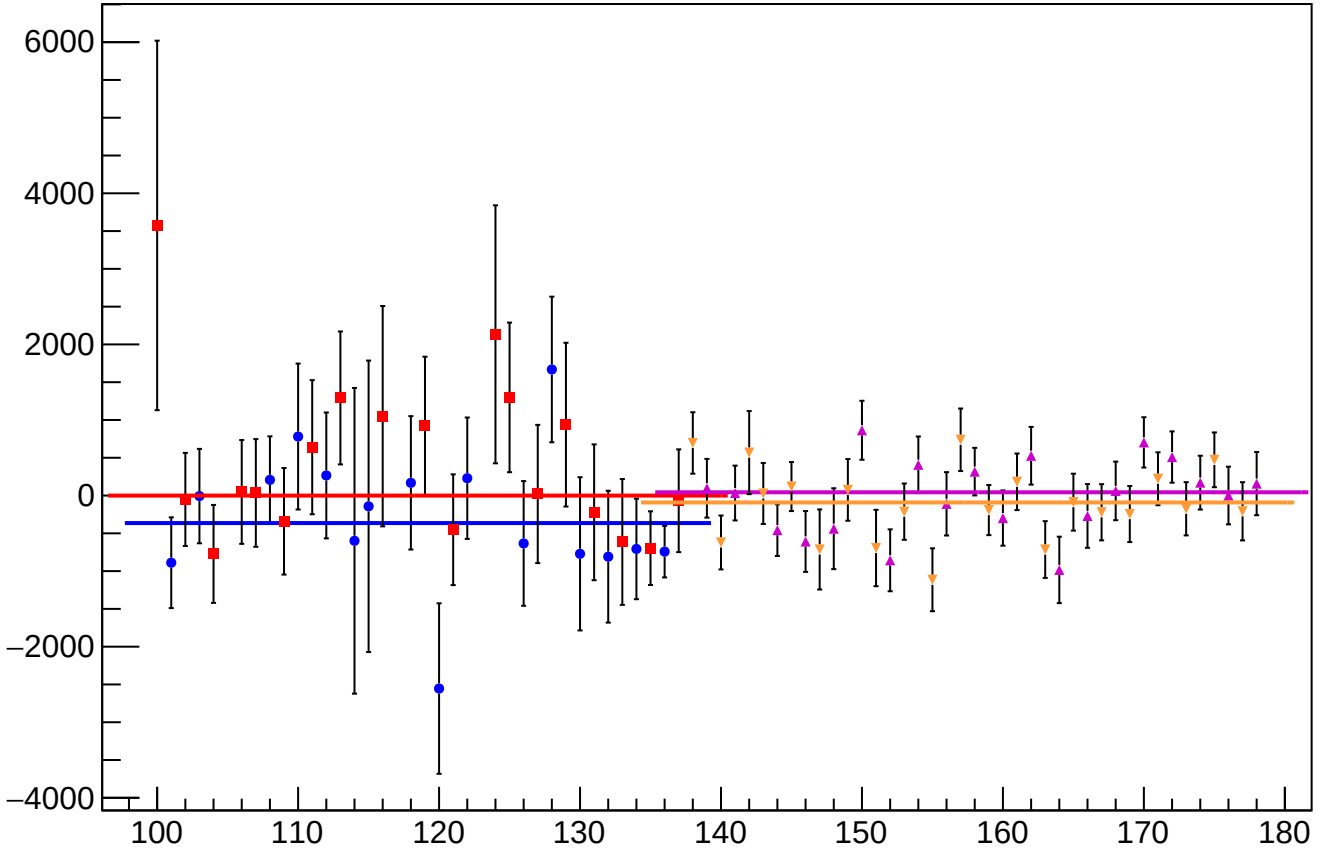
Right: 58.911+/-0.011 χ^2/NDF: 800594.3/34

In: 57.870+/-0.008 χ^2/NDF:516559.4/35

Out: 57.436+/-0.008 χ^2/NDF:547417.8/39

All: 57.649+/-0.006 χ^2/NDF: 1065307.9/75

asym_sam_13_57_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: -91.552+/-84.334 χ^2/NDF:28.1/20

Right Out: -0.570+/-183.085 χ^2/NDF: 15.1/18

Left In: 43.155+/-85.167 χ^2/NDF:31.2/19

Left: -24.860+/-59.926 χ^2/NDF: 60.5/40

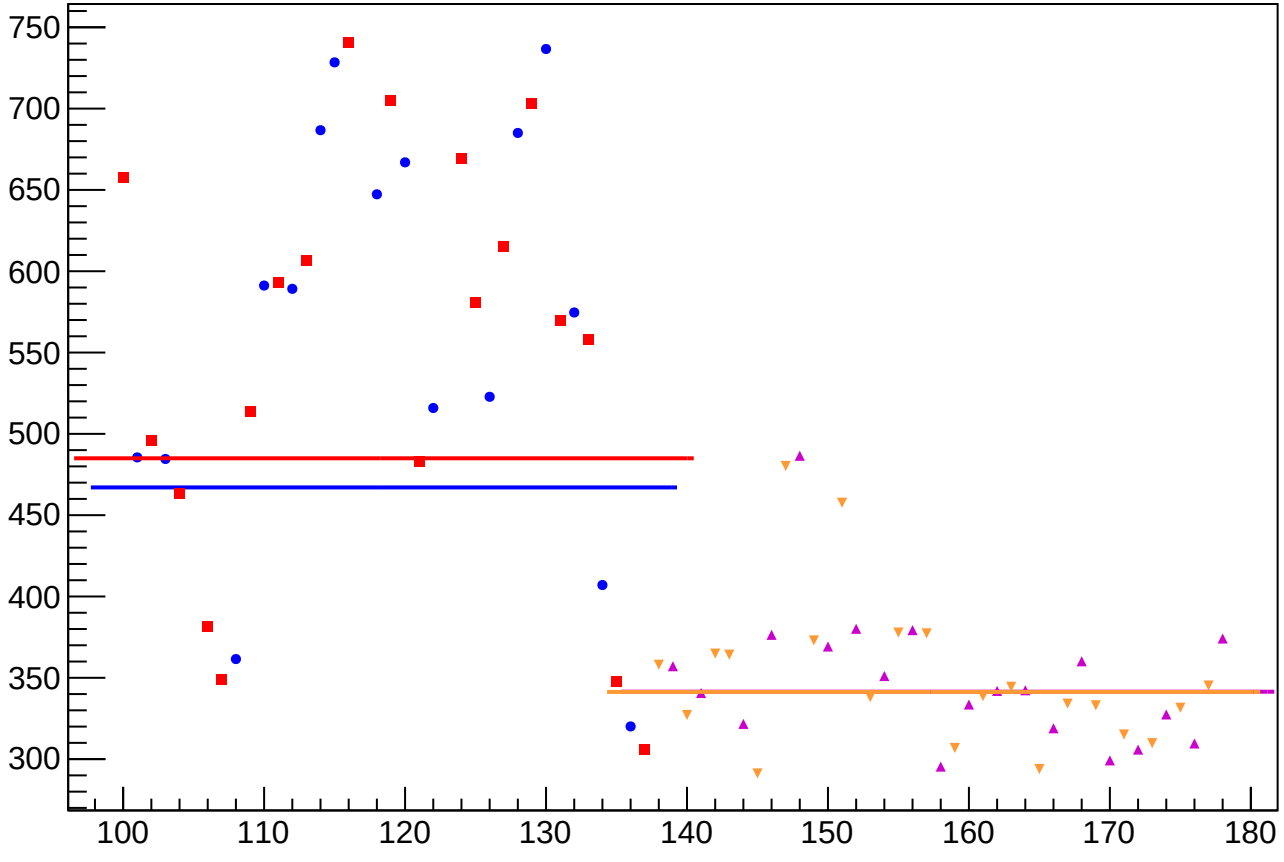
Right: -184.806+/-128.573 χ^2/NDF: 32.3/34

In: -30.931+/-77.031 χ^2/NDF:50.6/35

Out: -75.626+/-76.599 χ^2/NDF:43.4/39

All: -53.404+/-54.316 χ^2/NDF: 94.1/75

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: 341.454+/-0.060 χ^2/NDF:355253.7/19

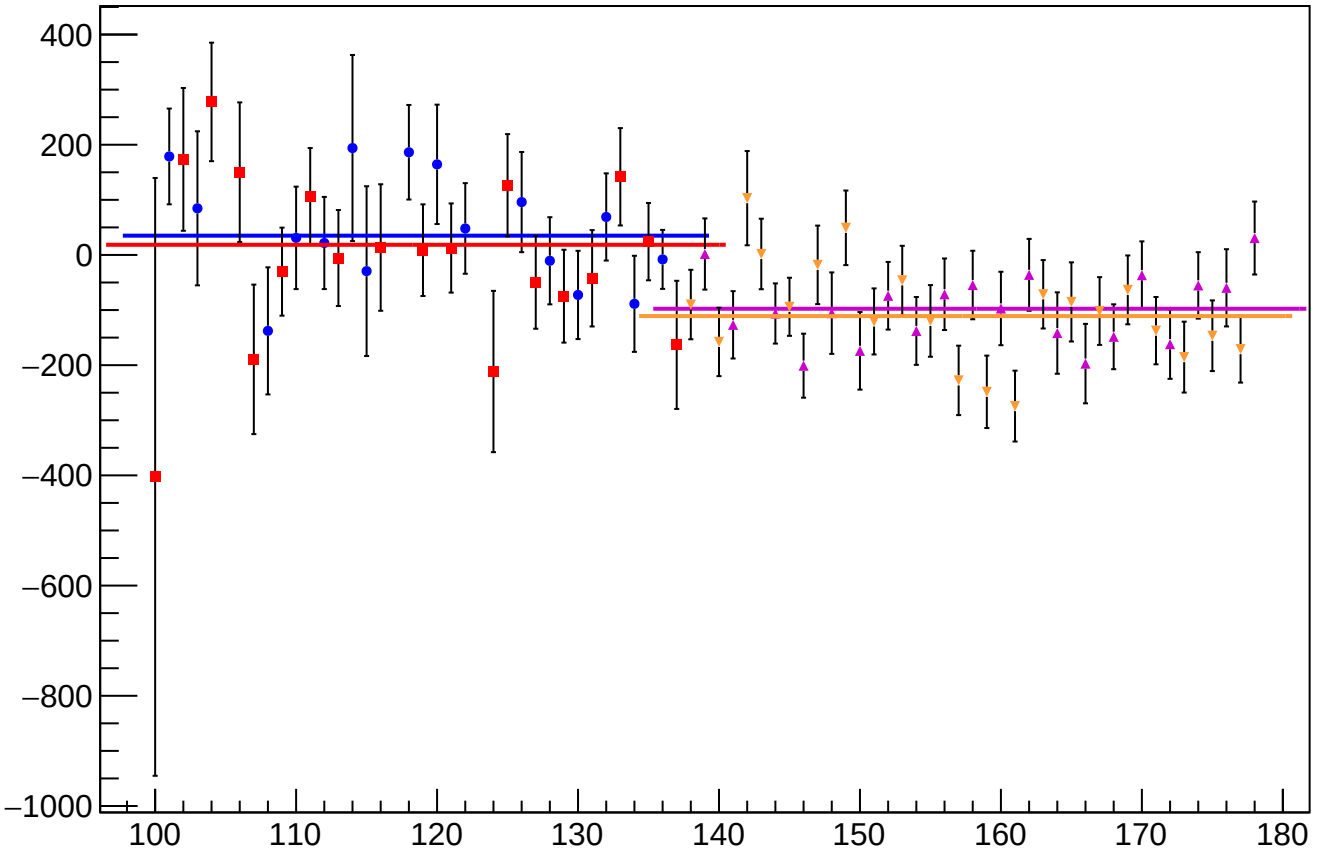
Left: 341.385+/-0.042 χ^2/NDF: 789759.6/40

Right: 475.902+/-0.091 χ^2/NDF: 1914085.4/34

In: 364.307+/-0.054 χ^2/NDF:2177043.9/35

Out: 366.464+/-0.054 χ^2/NDF:2324519.3/39

All: 365.391+/-0.038 χ^2/NDF: 4502351.7/75



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: -97.641+/-14.289 χ^2/NDF:18.7/19

Left: -104.450+/-9.971 χ^2/NDF: 55.9/40

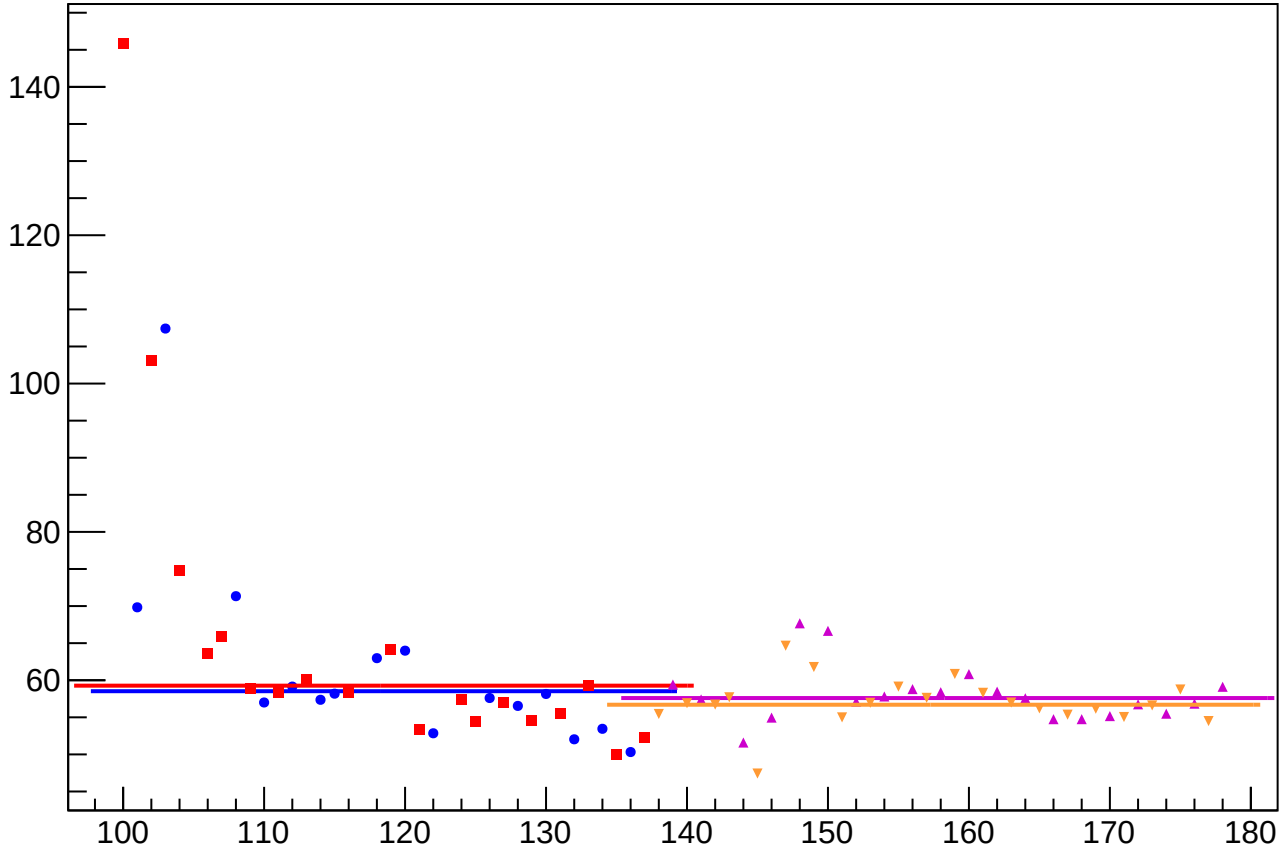
Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -58.619+/-12.005 χ^2/NDF:60.2/35

Out: -74.273+/-11.785 χ^2/NDF:84.6/39

All: -66.591+/-8.410 χ^2/NDF: 145.7/75

cor_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.699+/-0.010 χ^2/NDF:120994.6/20

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.599+/-0.010 χ^2/NDF:121361.5/19

Left: 57.137+/-0.007 χ^2/NDF: 246426.4/40

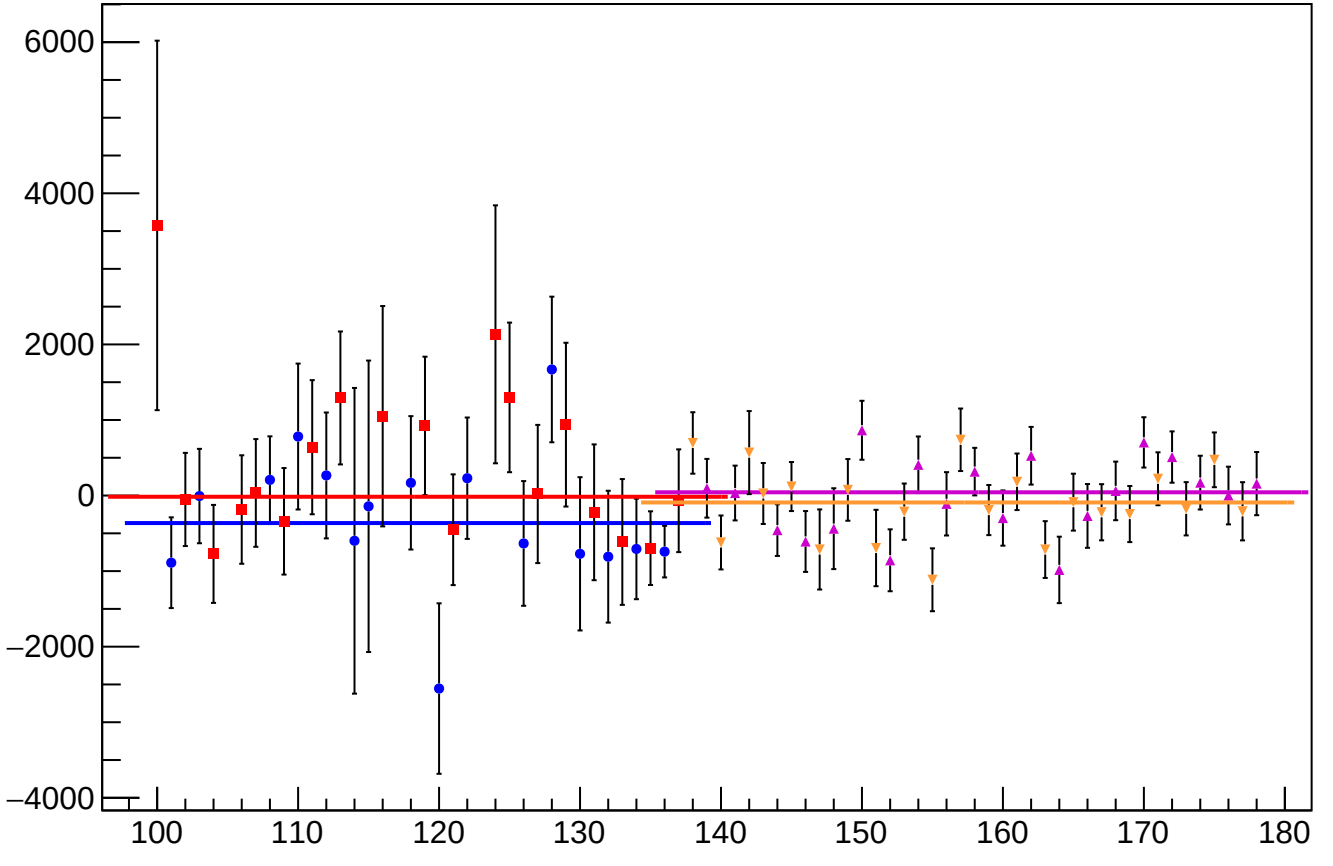
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 57.870+/-0.008 χ^2/NDF:516561.4/35

Out: 57.427+/-0.008 χ^2/NDF:545935.9/39

All: 57.644+/-0.006 χ^2/NDF: 1063885.1/75

asym_sam_13_57_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -91.553+/-84.334 χ^2/NDF:28.1/20

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: 43.154+/-85.167 χ^2/NDF:31.2/19

Left: -24.861+/-59.926 χ^2/NDF: 60.5/40

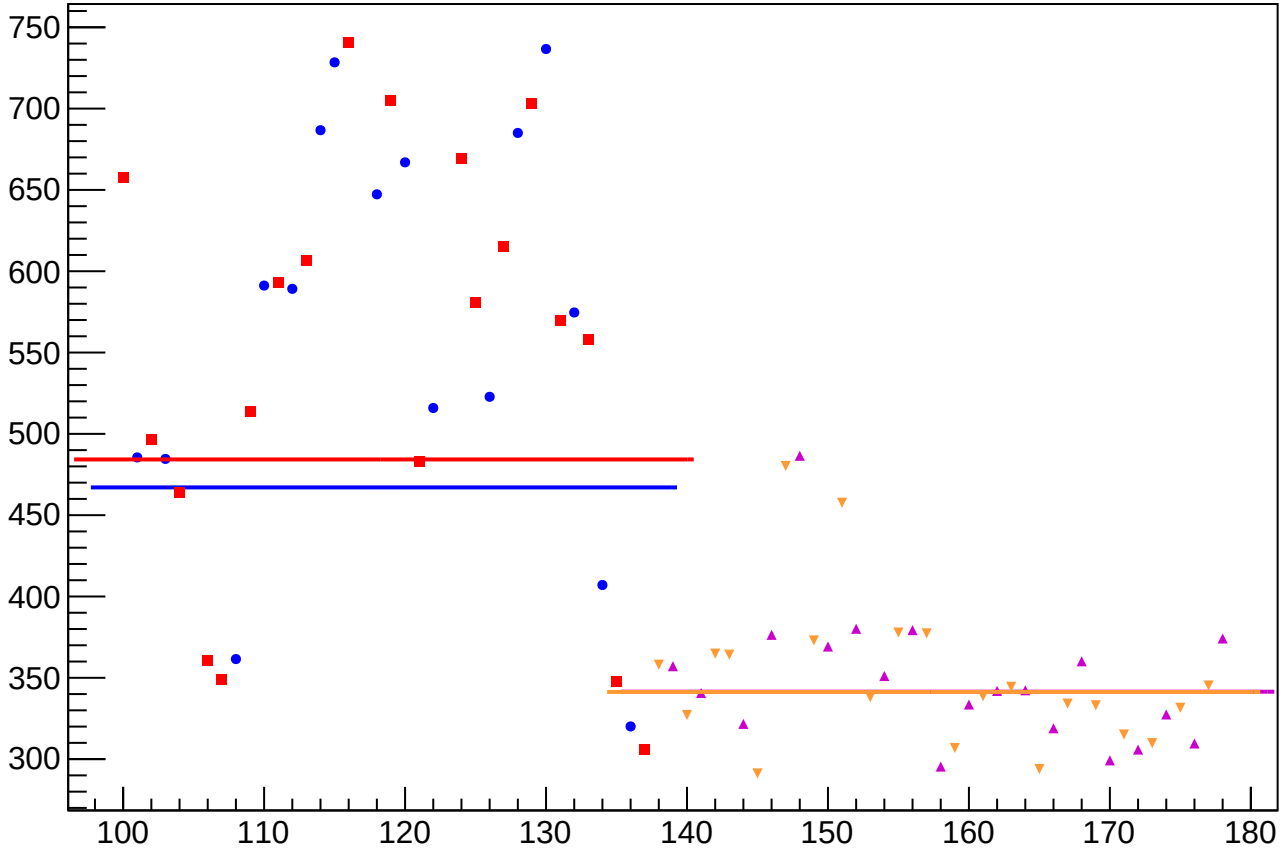
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -30.925+/-77.031 χ^2/NDF:50.6/35

Out: -78.411+/-76.640 χ^2/NDF:43.4/39

All: -54.789+/-54.330 χ^2/NDF: 94.1/75

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: 341.454+/-0.060 χ^2/NDF:355257.6/19

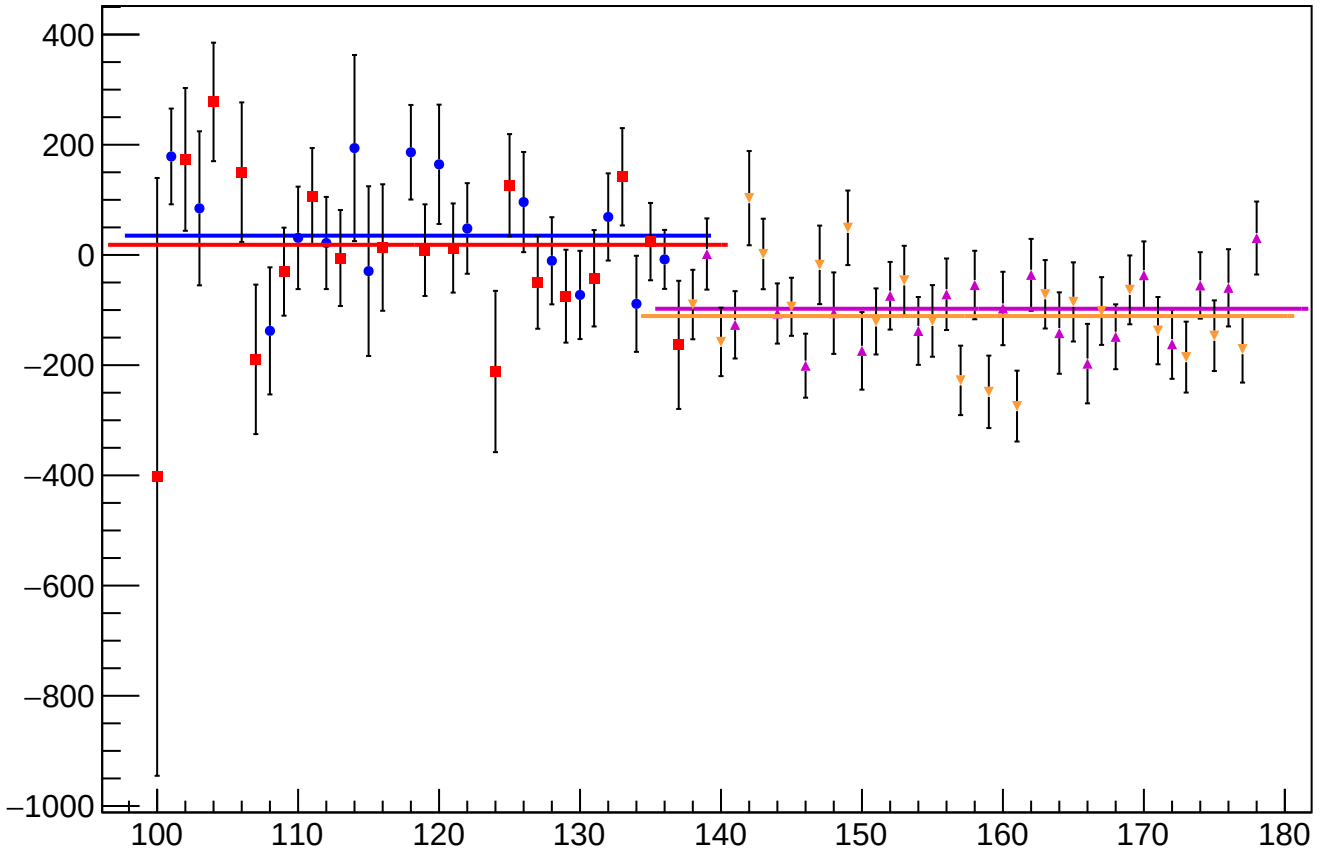
Left: 341.385+/-0.042 χ^2/NDF: 789763.0/40

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 364.307+/-0.054 χ^2/NDF:2177075.7/35

Out: 366.213+/-0.054 χ^2/NDF:2324119.1/39

All: 365.265+/-0.038 χ^2/NDF: 4501810.2/75



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: -97.641+/-14.289 χ^2/NDF:18.7/19

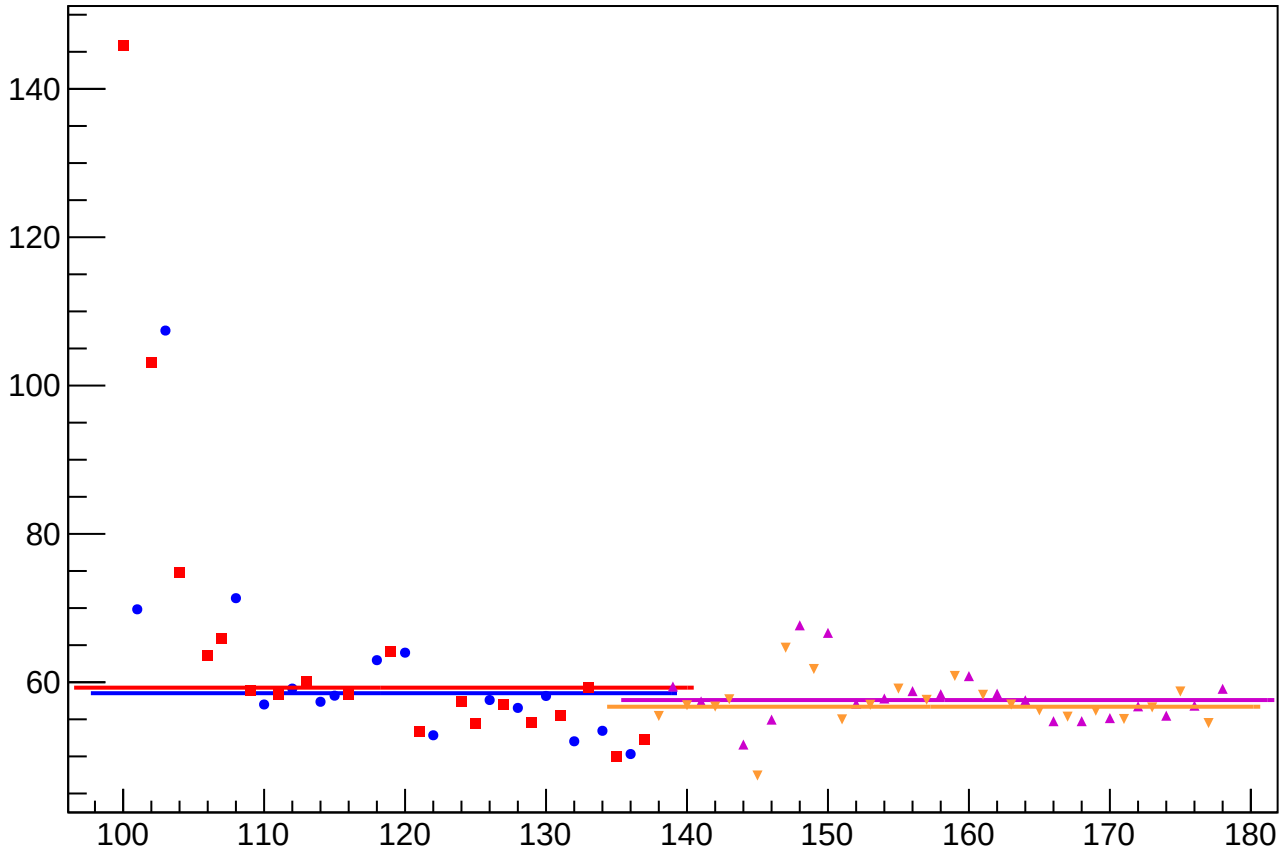
Left: -104.450+/-9.971 χ^2/NDF: 55.9/40

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -58.619+/-12.005 χ^2/NDF:60.2/35

Out: -74.273+/-11.785 χ^2/NDF:84.6/39

All: -66.591+/-8.410 χ^2/NDF: 145.7/75



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: 57.599+/-0.010 χ^2/NDF:121361.5/19

Left: 57.137+/-0.007 χ^2/NDF: 246426.4/40

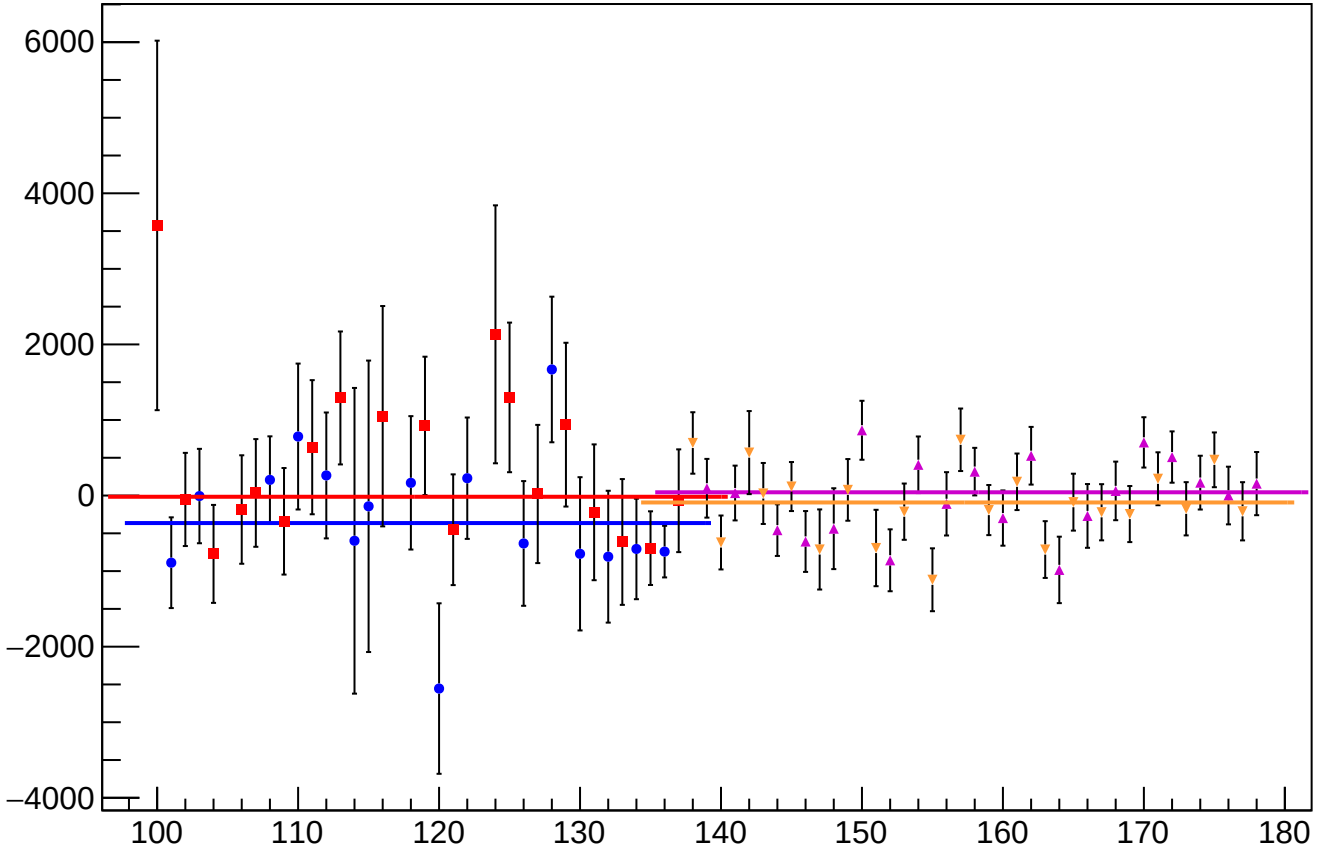
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 57.870+/-0.008 χ^2/NDF:516561.4/35

Out: 57.427+/-0.008 χ^2/NDF:545935.9/39

All: 57.644+/-0.006 χ^2/NDF: 1063885.1/75

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: 43.154+/-85.167 χ^2/NDF:31.2/19

Left: -24.861+/-59.926 χ^2/NDF: 60.5/40

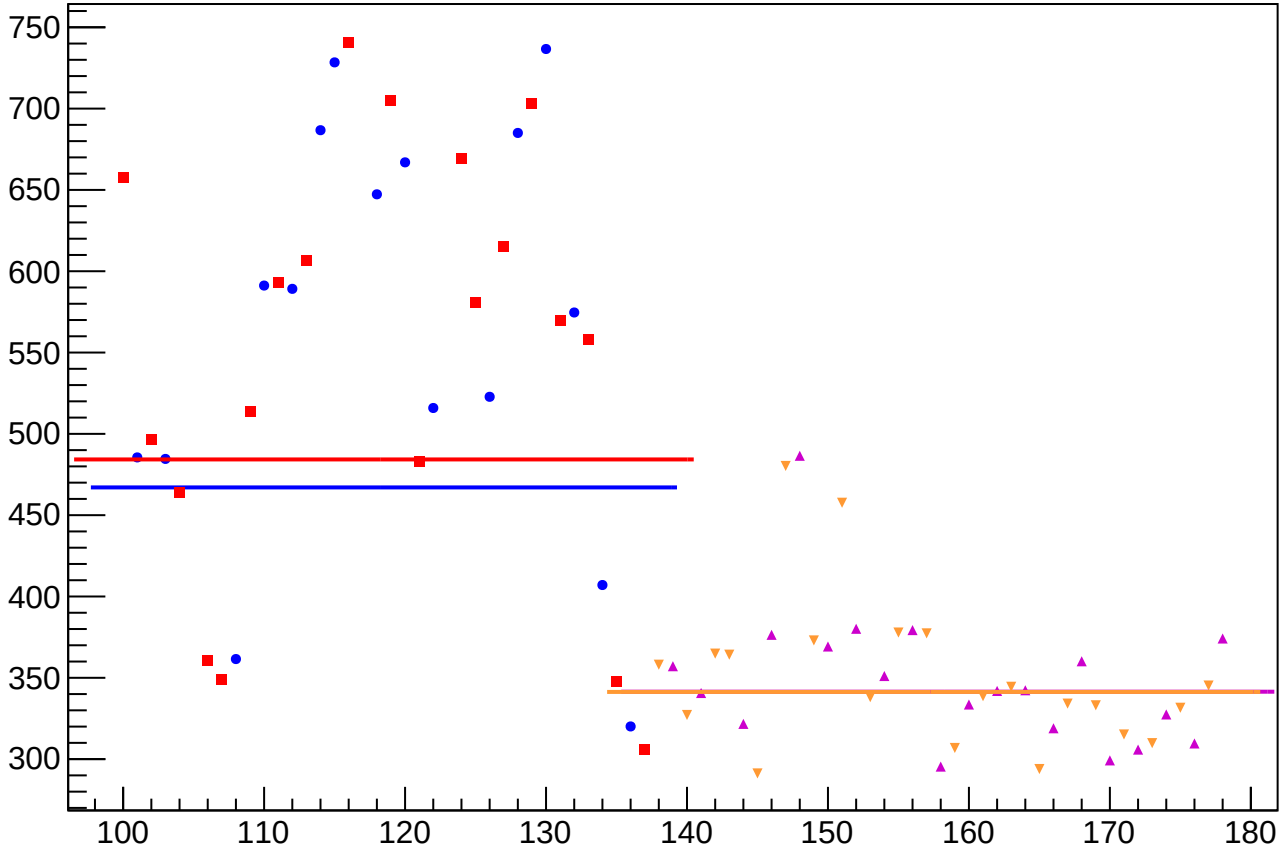
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -30.925+/-77.031 χ^2/NDF:50.6/35

Out: -78.411+/-76.640 χ^2/NDF:43.4/39

All: -54.789+/-54.330 χ^2/NDF: 94.1/75

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: 341.454+/-0.060 χ^2/NDF:355257.6/19

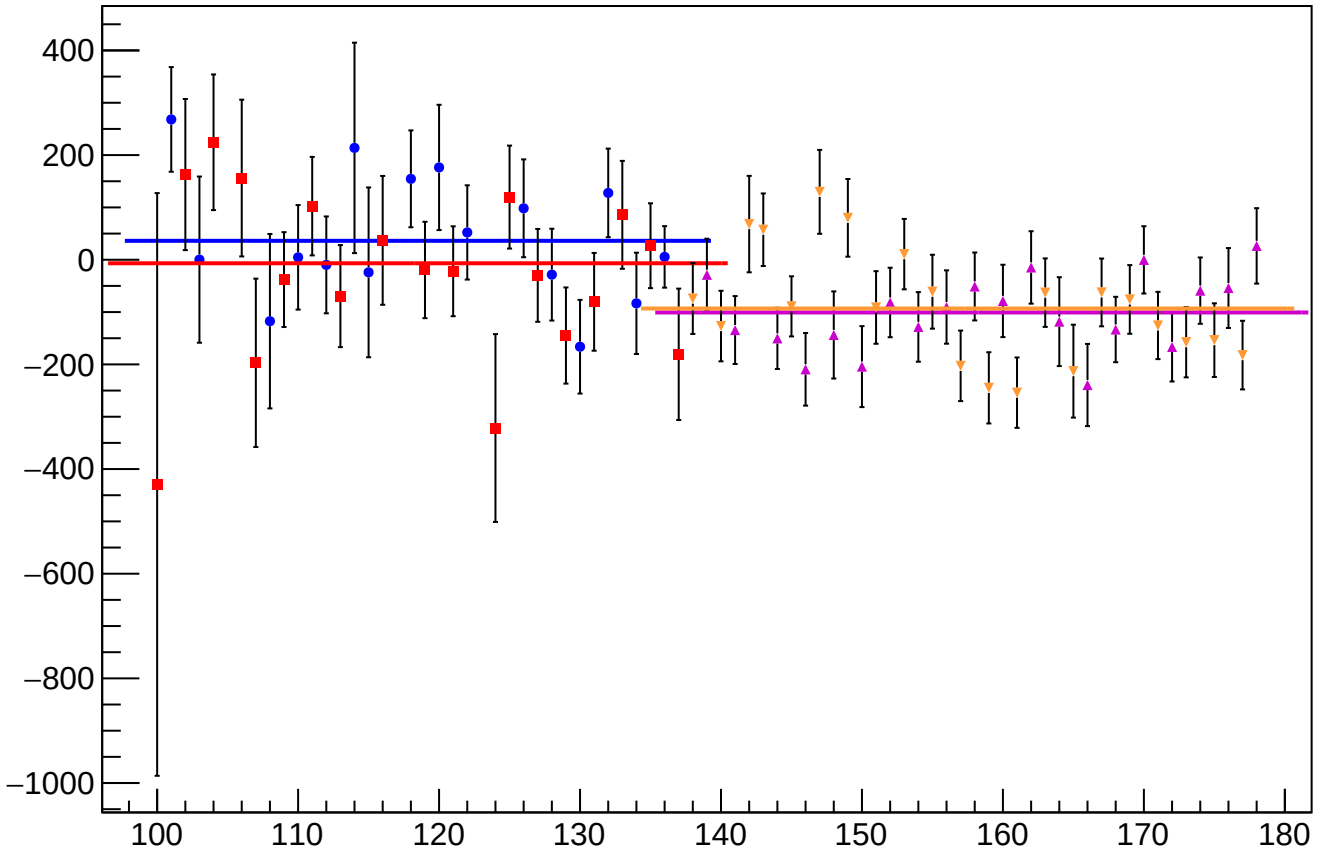
Left: 341.385+/-0.042 χ^2/NDF: 789763.0/40

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 364.307+/-0.054 χ^2/NDF:2177075.7/35

Out: 366.213+/-0.054 χ^2/NDF:2324119.1/39

All: 365.265+/-0.038 χ^2/NDF: 4501810.2/75



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: -100.743+/-15.407 χ^2/NDF:19.9/19

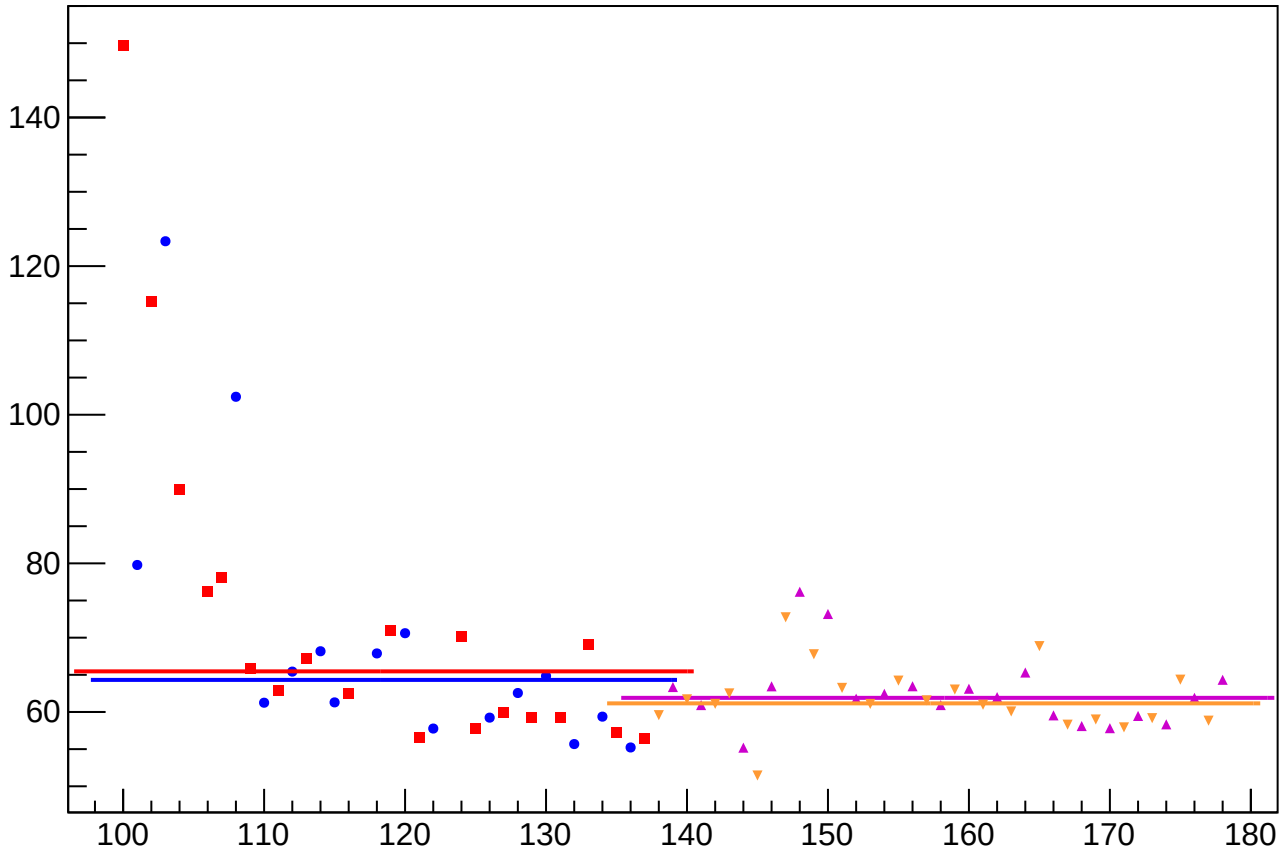
Left: -96.865+/-10.763 χ^2/NDF: 63.3/40

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -61.880+/-13.038 χ^2/NDF:62.0/35

Out: -69.599+/-12.828 χ^2/NDF:72.6/39

All: -65.802+/-9.144 χ^2/NDF: 134.8/75



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: 61.902+/-0.011 χ^2/NDF:163942.9/19

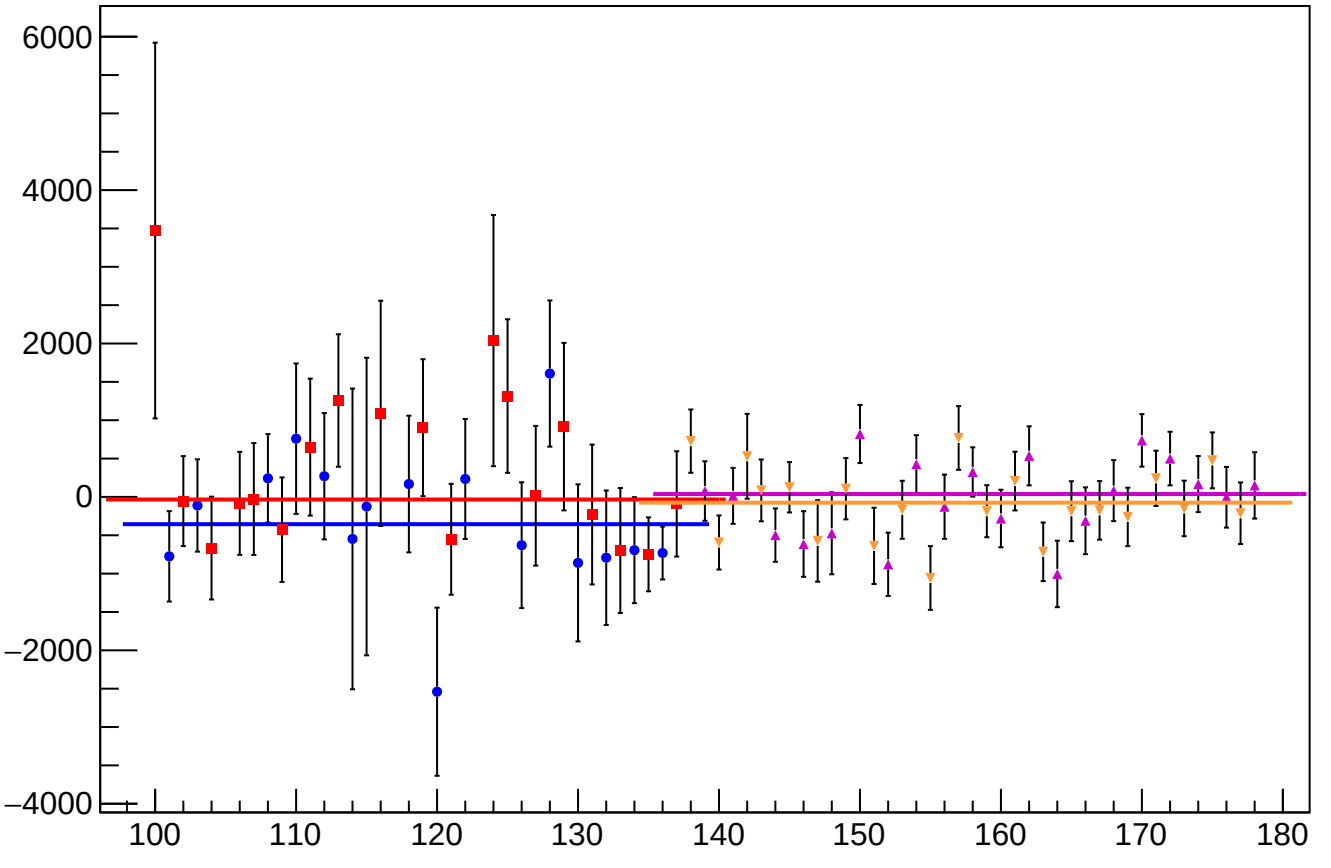
Left: 61.521+/-0.008 χ^2/NDF: 325305.1/40

Right: 64.889+/-0.012 χ^2/NDF: 1016625.1/34

In: 62.587+/-0.009 χ^2/NDF:709949.8/35

Out: 62.333+/-0.009 χ^2/NDF:686063.0/39

All: 62.458+/-0.006 χ^2/NDF: 1396398.2/75



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: 37.595+/-86.592 χ^2/NDF:31.8/19

Left: -19.273+/-60.843 χ^2/NDF: 59.6/40

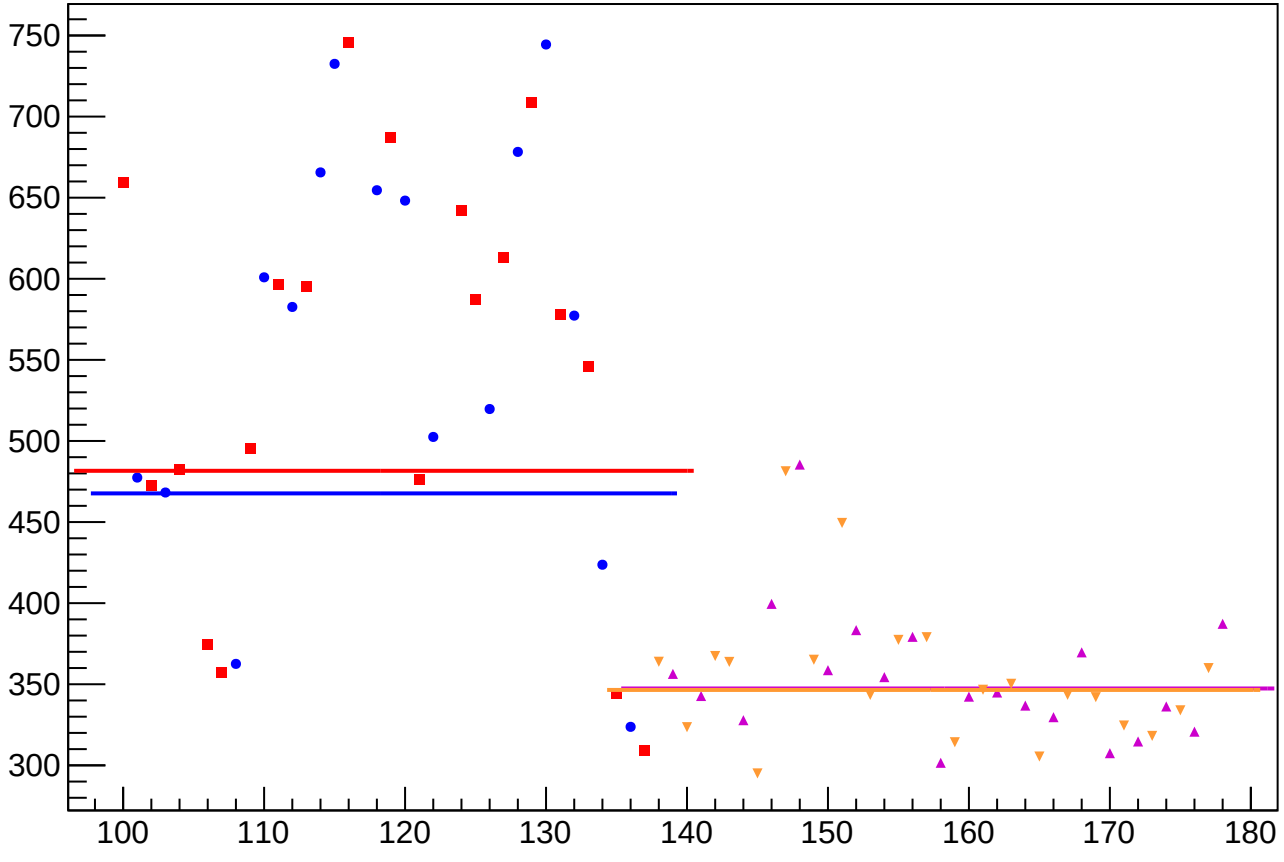
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -36.064+/-78.060 χ^2/NDF:50.5/35

Out: -67.294+/-77.358 χ^2/NDF:42.3/39

All: -51.820+/-54.947 χ^2/NDF: 92.9/75

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: 347.388+/-0.061 χ^2/NDF:324712.5/19

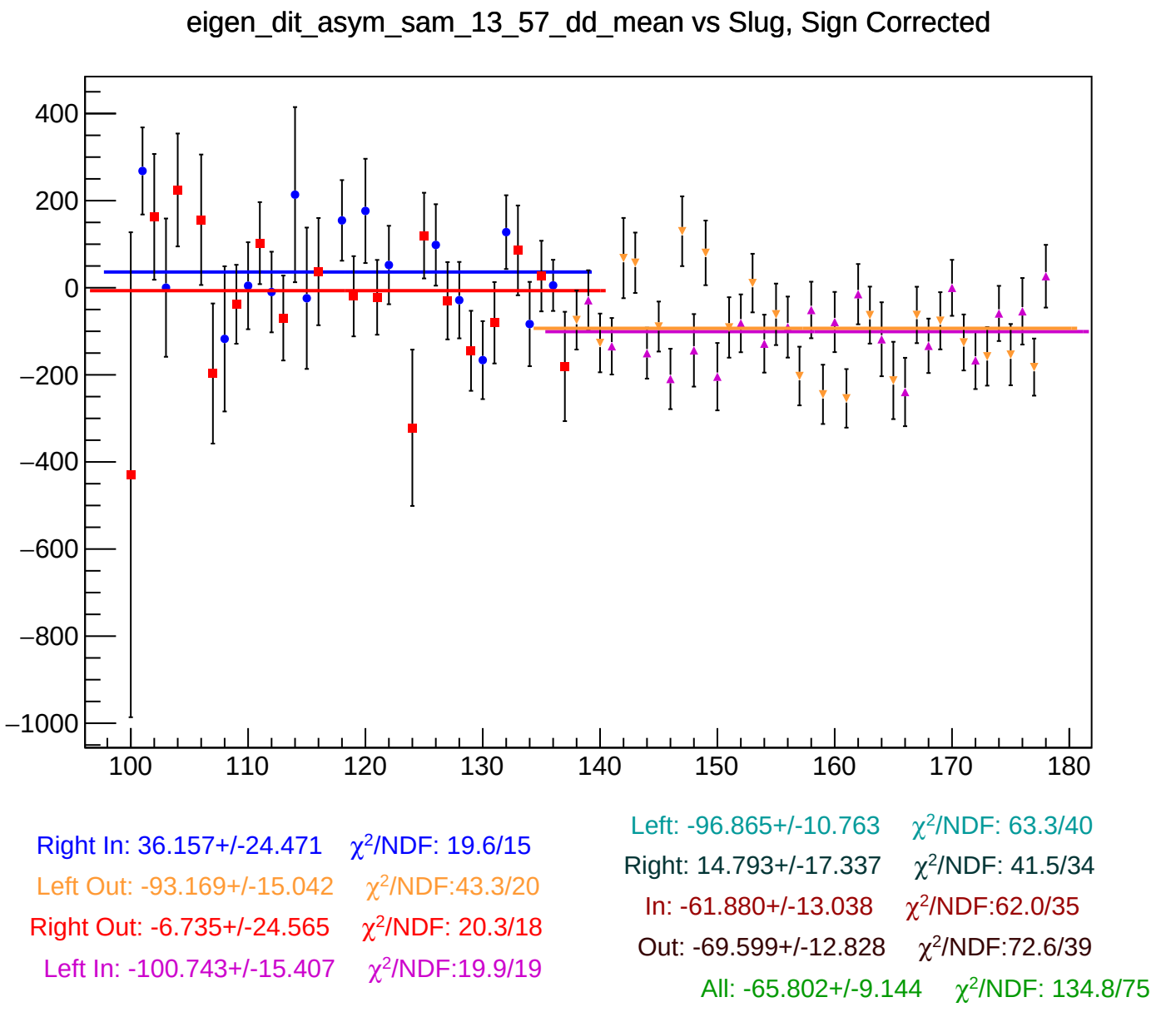
Left: 346.937+/-0.043 χ^2/NDF: 699885.7/40

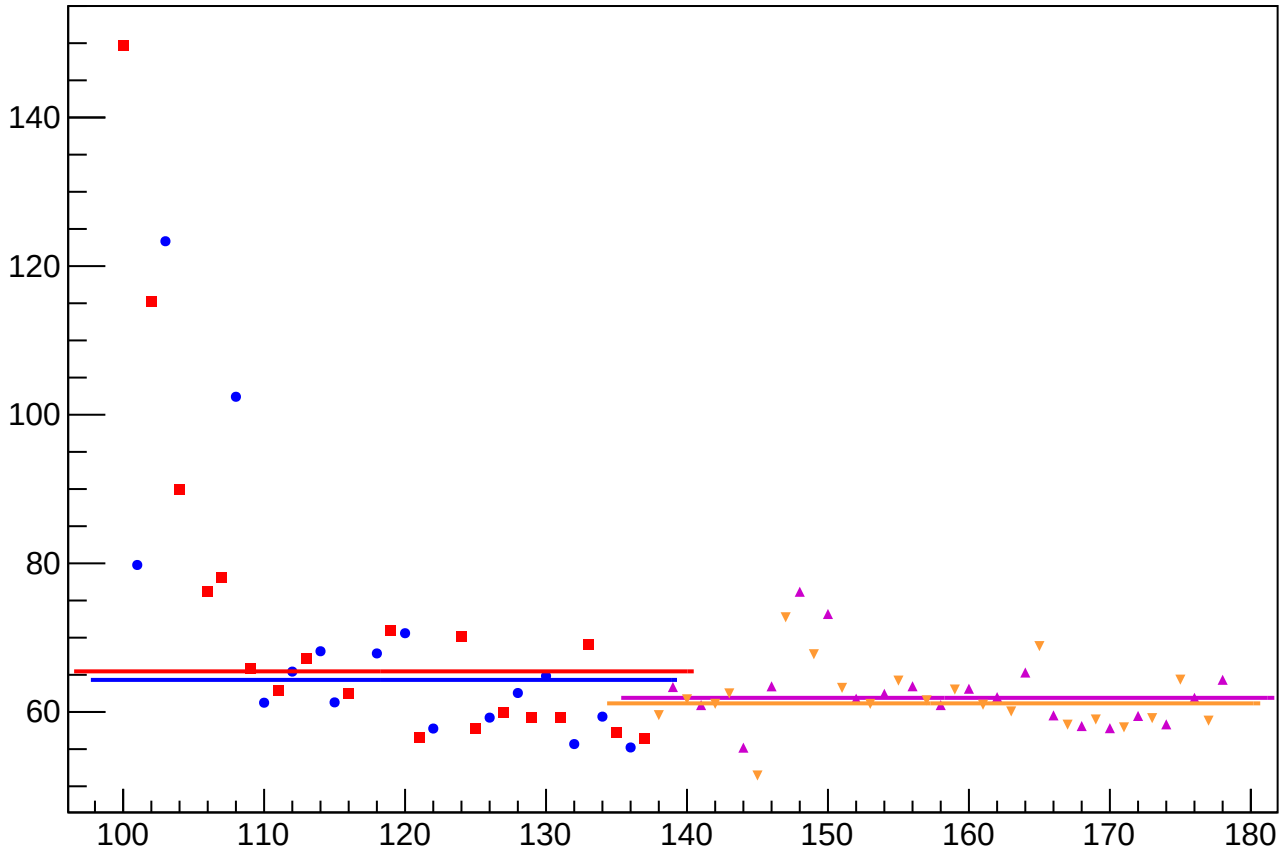
Right: 474.590+/-0.090 χ^2/NDF: 1846147.0/34

In: 369.926+/-0.055 χ^2/NDF:2033760.2/35

Out: 371.024+/-0.055 χ^2/NDF:2135724.1/39

All: 370.480+/-0.039 χ^2/NDF: 4169683.9/75


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: -100.743+/-15.407 χ²/NDF:19.9/19
Left: -96.865+/-10.763 χ²/NDF: 63.3/40
Right: 14.793+/-17.337 χ²/NDF: 41.5/34
In: -61.880+/-13.038 χ²/NDF:62.0/35
Out: -69.599+/-12.828 χ²/NDF:72.6/39
All: -65.802+/-9.144 χ²/NDF: 134.8/75



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: 61.902+/-0.011 χ^2/NDF:163945.7/19

Left: 61.521+/-0.008 χ^2/NDF: 325313.0/40

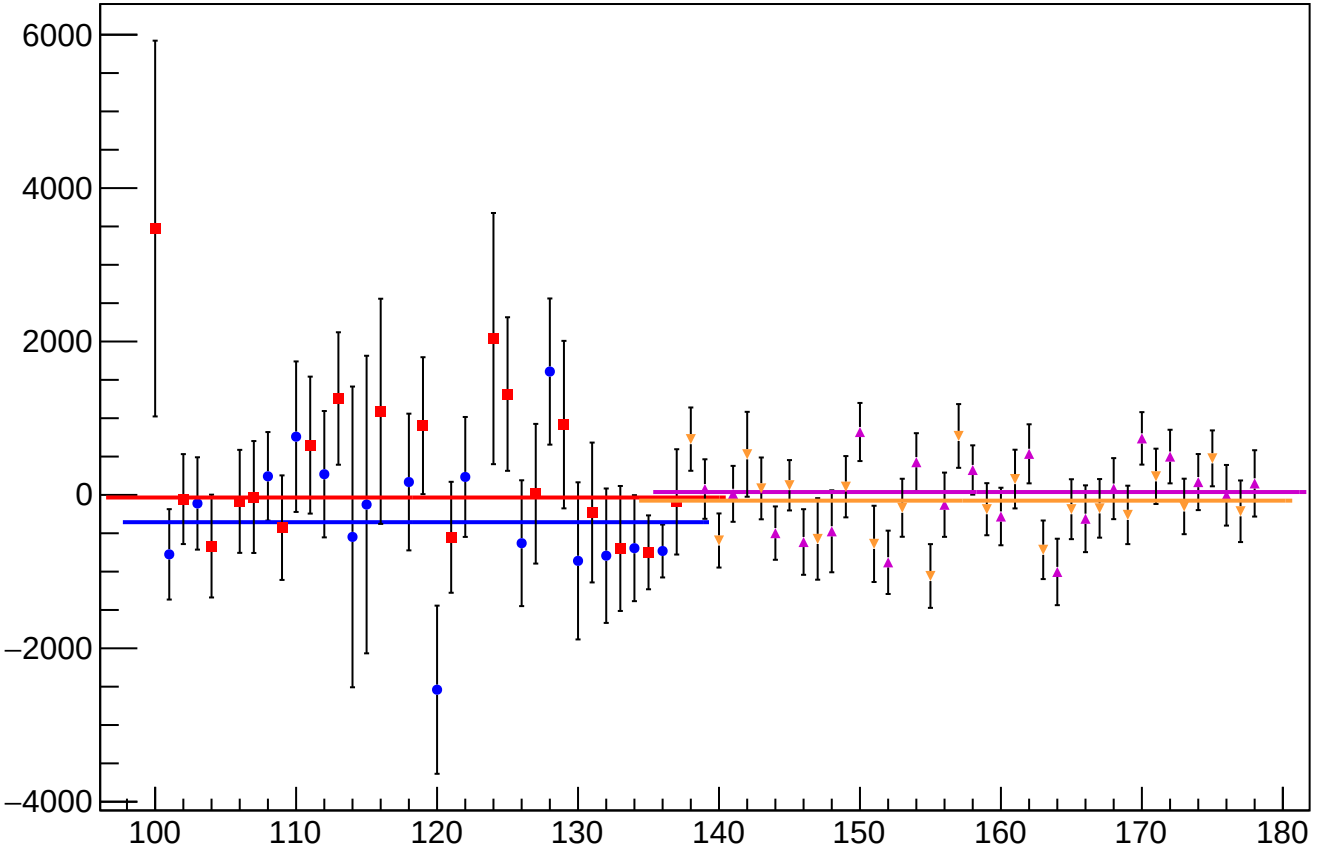
Right: 64.889+/-0.012 χ^2/NDF: 1016639.7/34

In: 62.587+/-0.009 χ^2/NDF:709959.5/35

Out: 62.333+/-0.009 χ^2/NDF:686071.6/39

All: 62.458+/-0.006 χ^2/NDF: 1396416.5/75

asym_sam_13_57_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.529+/-180.334 χ^2/NDF: 14.8/15

Left Out: -74.726+/-85.508 χ^2/NDF:26.9/20

Right Out: -33.787+/-181.560 χ^2/NDF: 15.4/18

Left In: 37.595+/-86.592 χ^2/NDF:31.8/19

Left: -19.273+/-60.843 χ^2/NDF: 59.6/40

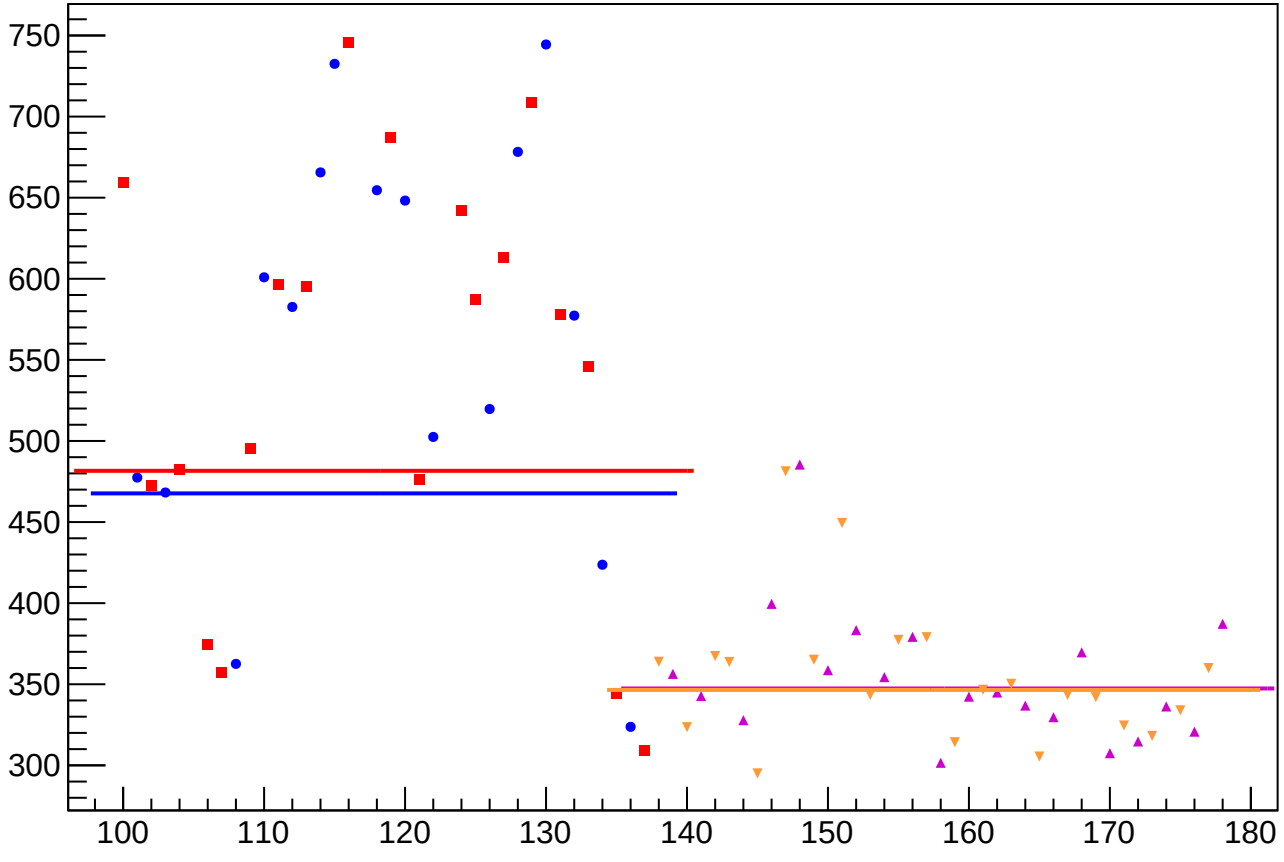
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -36.064+/-78.060 χ^2/NDF:50.5/35

Out: -67.294+/-77.358 χ^2/NDF:42.3/39

All: -51.820+/-54.947 χ^2/NDF: 92.9/75

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: 347.388+/-0.061 χ^2/NDF:324714.0/19

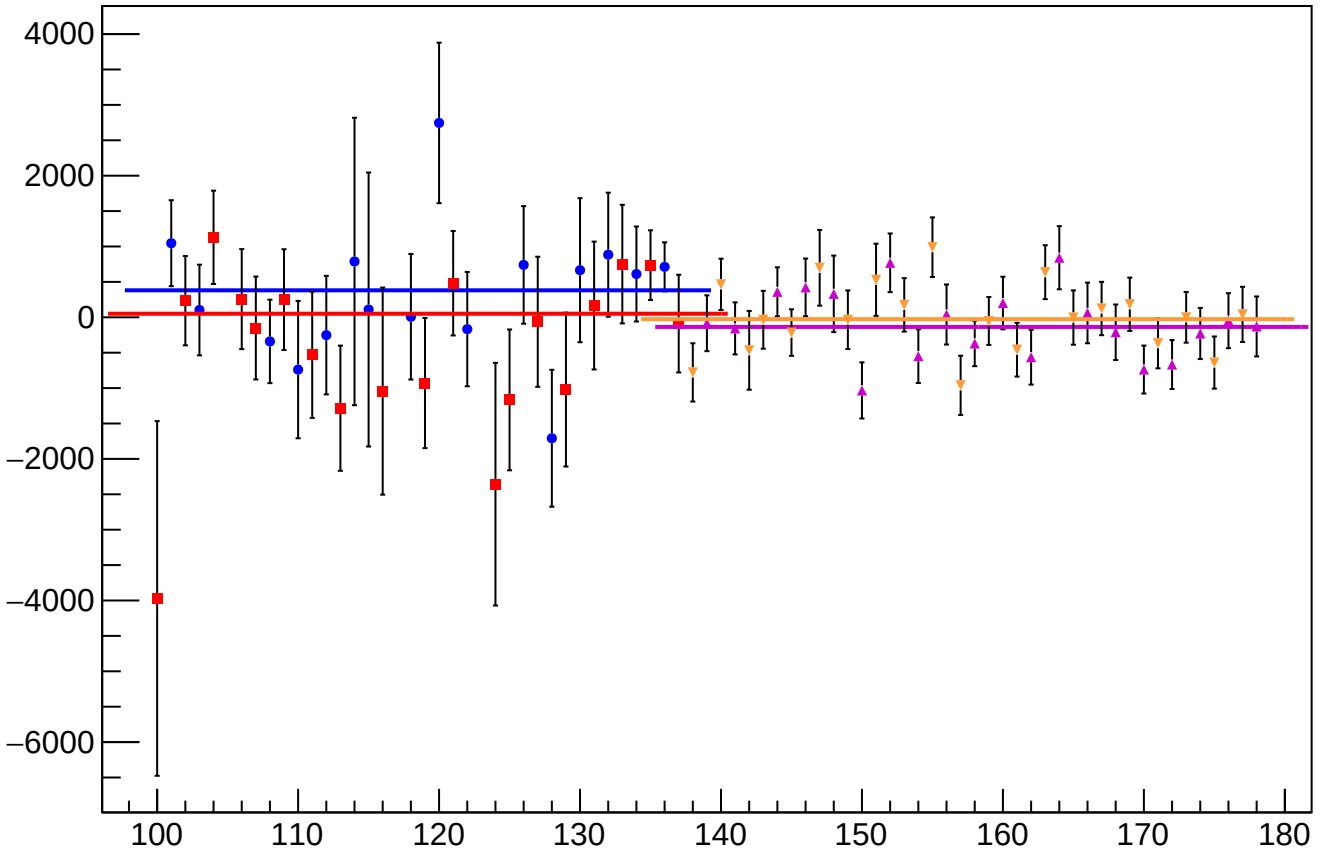
Left: 346.937+/-0.043 χ^2/NDF: 699886.3/40

Right: 474.589+/-0.090 χ^2/NDF: 1846148.4/34

In: 369.926+/-0.055 χ^2/NDF:2033756.3/35

Out: 371.024+/-0.055 χ^2/NDF:2135713.7/39

All: 370.480+/-0.039 χ^2/NDF: 4169669.7/75



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: -136.000+/-86.410 χ^2/NDF:29.2/19

Left: -80.557+/-60.790 χ^2/NDF: 58.8/40

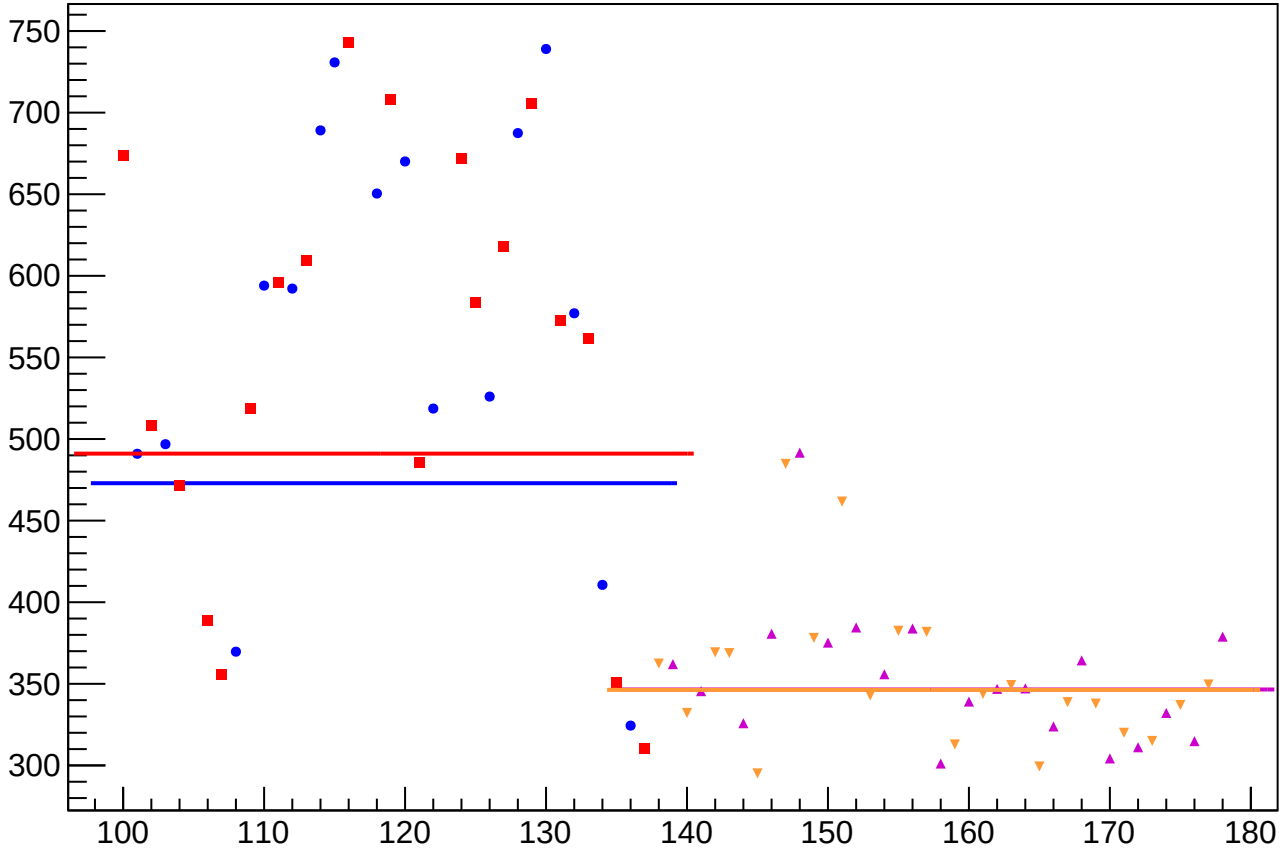
Right: 218.082+/-130.069 χ^2/NDF: 35.2/34

In: -41.439+/-78.110 χ^2/NDF:51.9/35

Out: -12.764+/-77.659 χ^2/NDF:46.4/39

All: -27.018+/-55.072 χ^2/NDF: 98.4/75

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: 346.531+/-0.061 χ^2/NDF:343361.3/19

Left: 346.410+/-0.043 χ^2/NDF: 764278.5/40

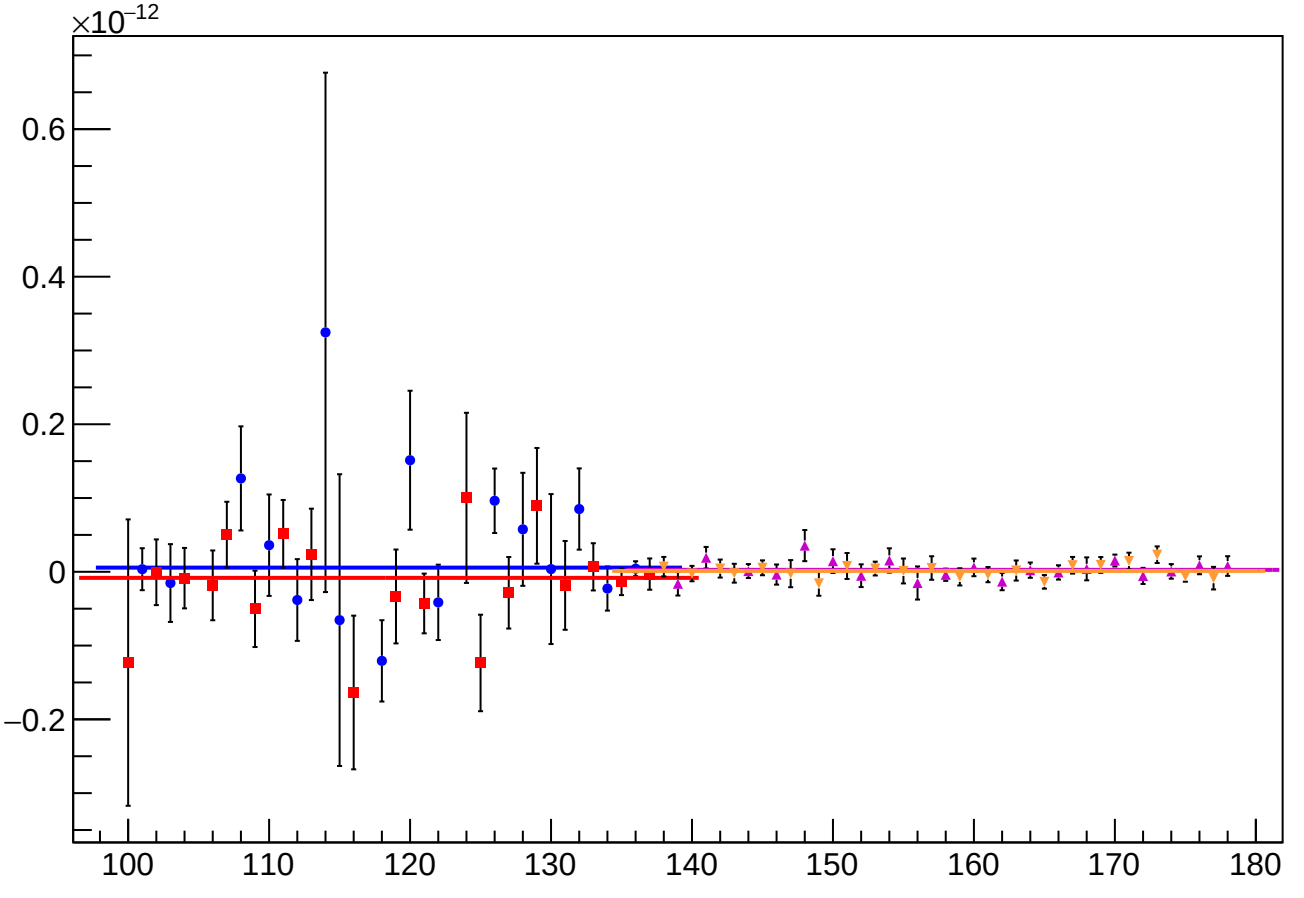
Right: 481.865+/-0.092 χ^2/NDF: 1857489.5/34

In: 369.645+/-0.055 χ^2/NDF:2126164.6/35

Out: 371.730+/-0.055 χ^2/NDF:2275100.6/39

All: 370.694+/-0.039 χ^2/NDF: 4401981.9/75

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.9/20

Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:13.5/19

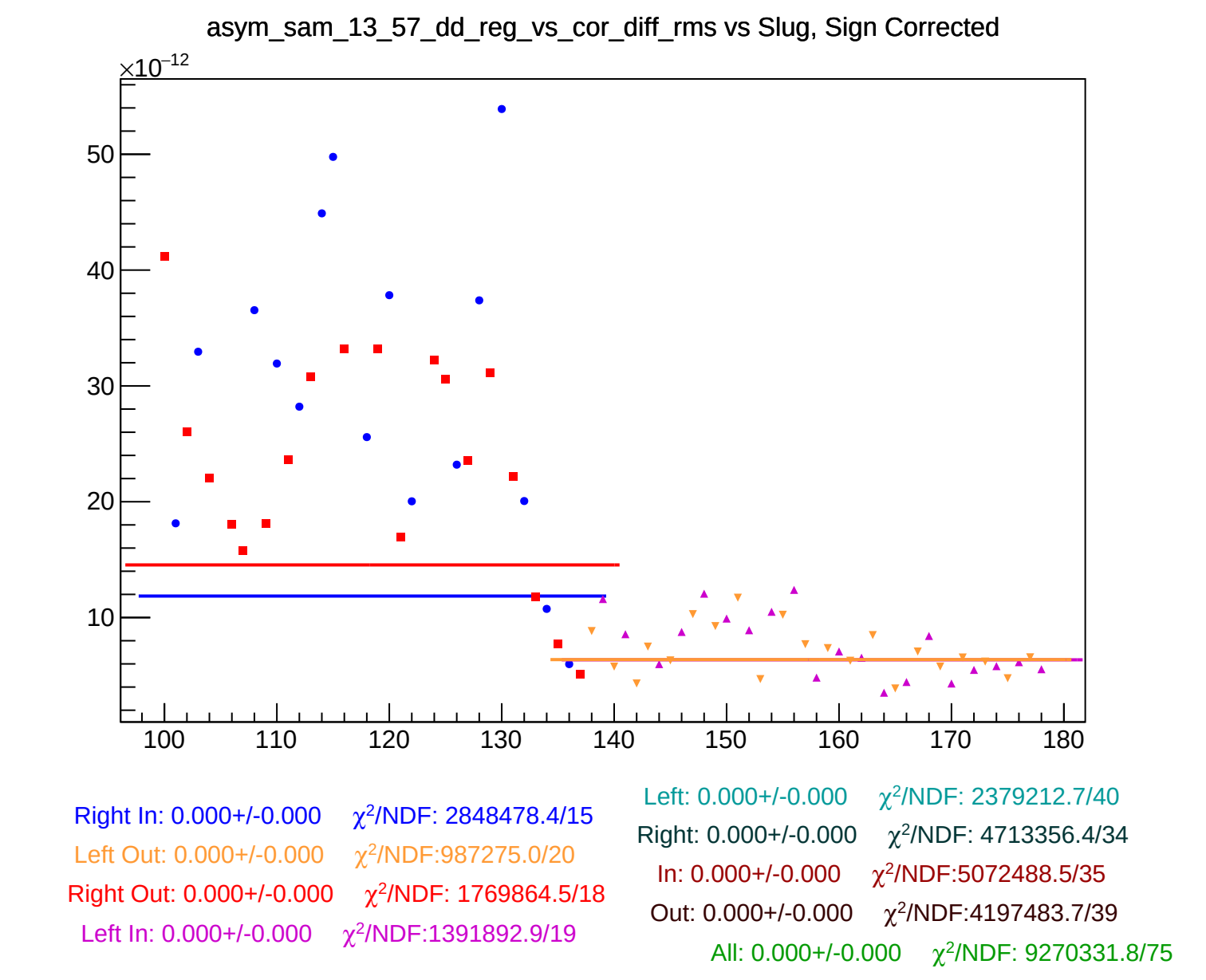
Left: 0.000+/-0.000 χ^2/NDF: 26.6/40

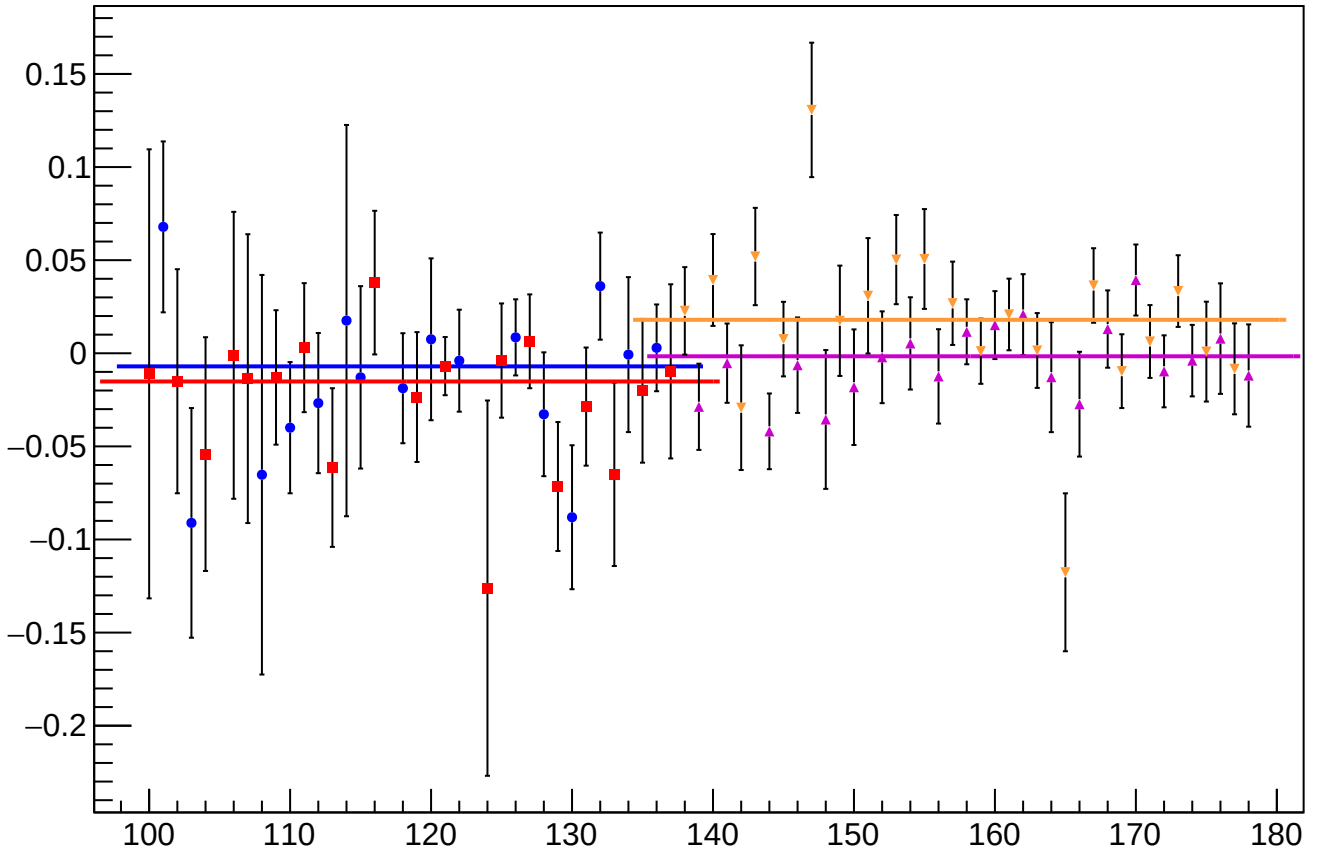
Right: -0.000+/-0.000 χ^2/NDF: 36.4/34

In: 0.000+/-0.000 χ^2/NDF:34.8/35

Out: 0.000+/-0.000 χ^2/NDF:27.9/39

All: 0.000+/-0.000 χ^2/NDF: 63.1/75


asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2848478.4/15
Left Out: 0.000+/-0.000 χ²/NDF:987275.0/20
Right Out: 0.000+/-0.000 χ²/NDF: 1769864.5/18
Left In: 0.000+/-0.000 χ²/NDF:1391892.9/19
Left: 0.000+/-0.000 χ²/NDF: 2379212.7/40
Right: 0.000+/-0.000 χ²/NDF: 4713356.4/34
In: 0.000+/-0.000 χ²/NDF:5072488.5/35
Out: 0.000+/-0.000 χ²/NDF:4197483.7/39
All: 0.000+/-0.000 χ²/NDF: 9270331.8/75



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: -0.002+/-0.005 χ^2/NDF:15.7/19

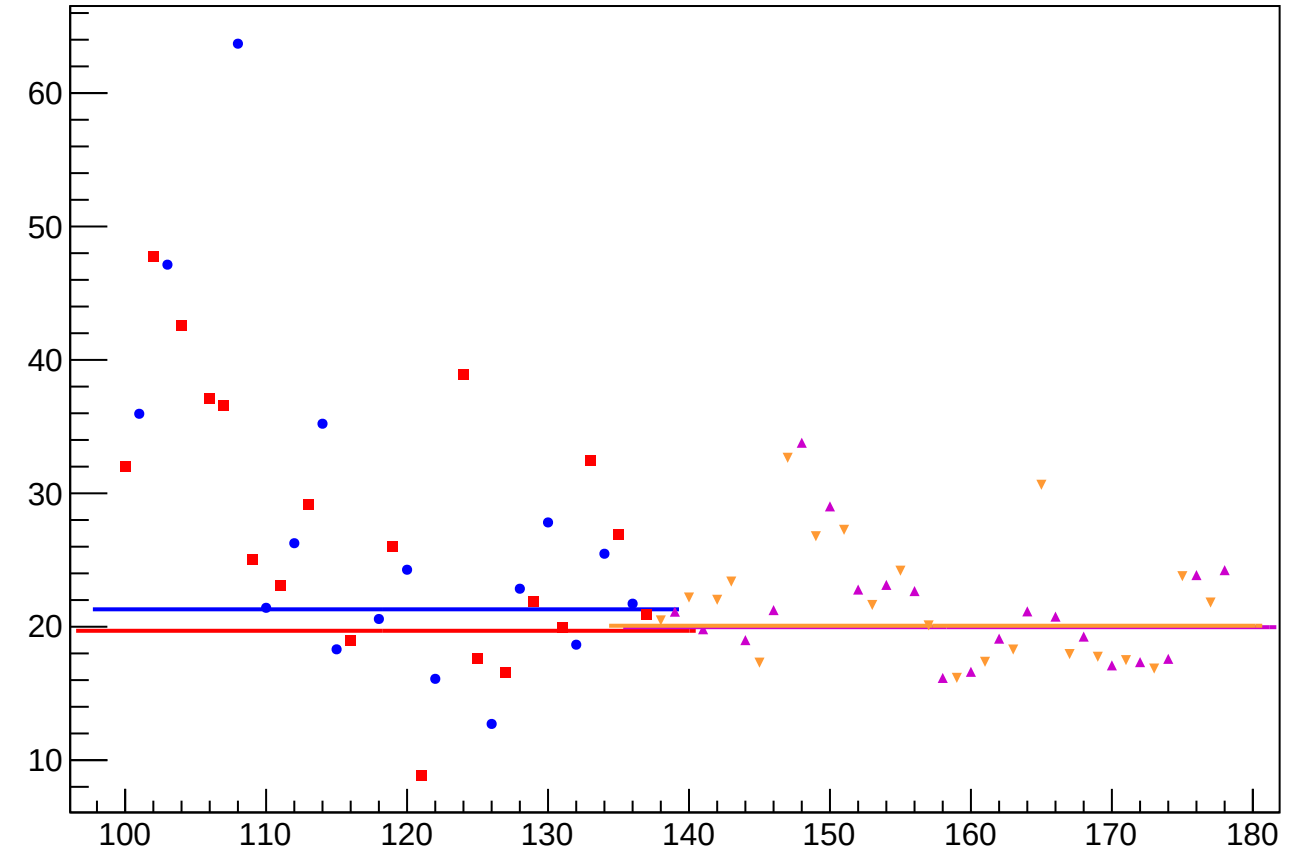
Left: 0.008+/-0.004 χ^2/NDF: 58.5/40

Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.003+/-0.004 χ^2/NDF:30.4/35

Out: 0.009+/-0.004 χ^2/NDF:57.1/39

All: 0.003+/-0.003 χ^2/NDF: 91.2/75



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: 19.966+/-0.004 χ^2/NDF:909537.0/19

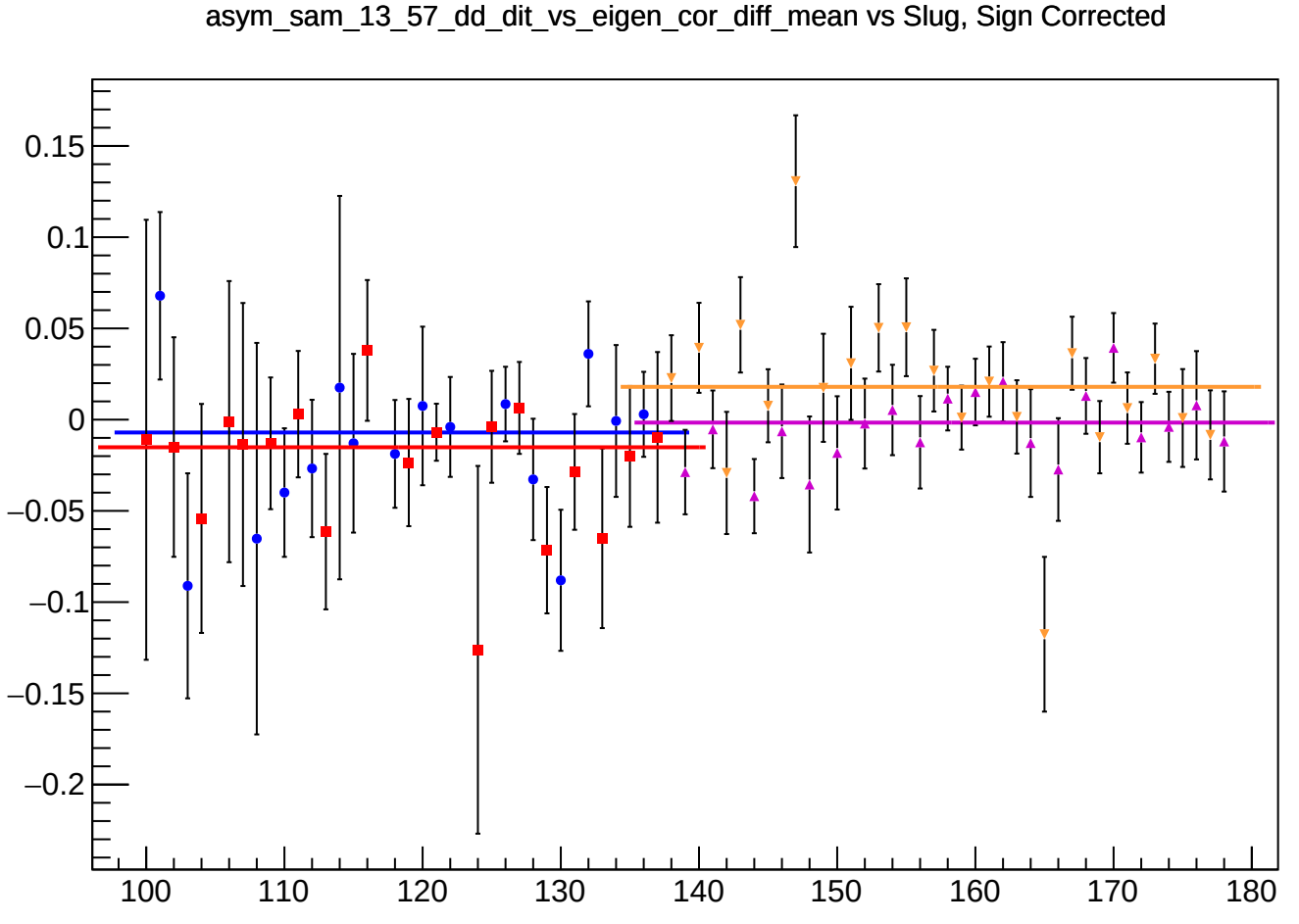
Left: 20.021+/-0.003 χ^2/NDF: 1979397.0/40

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 20.314+/-0.003 χ^2/NDF:2424652.4/35

Out: 19.971+/-0.003 χ^2/NDF:3511445.5/39

All: 20.139+/-0.002 χ^2/NDF: 5942286.3/75



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: -0.002+/-0.005 χ^2/NDF:15.7/19

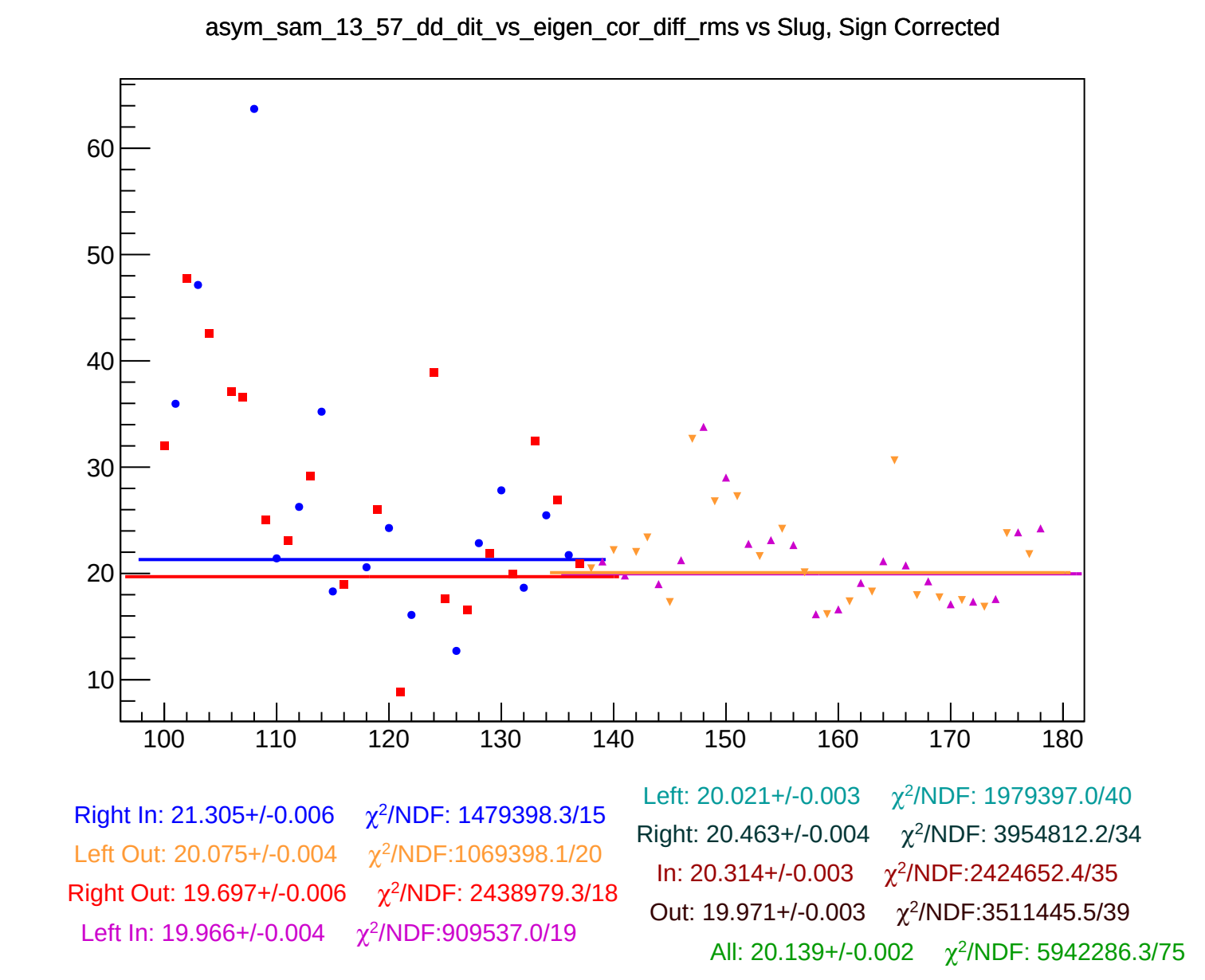
Left: 0.008+/-0.004 χ^2/NDF: 58.5/40

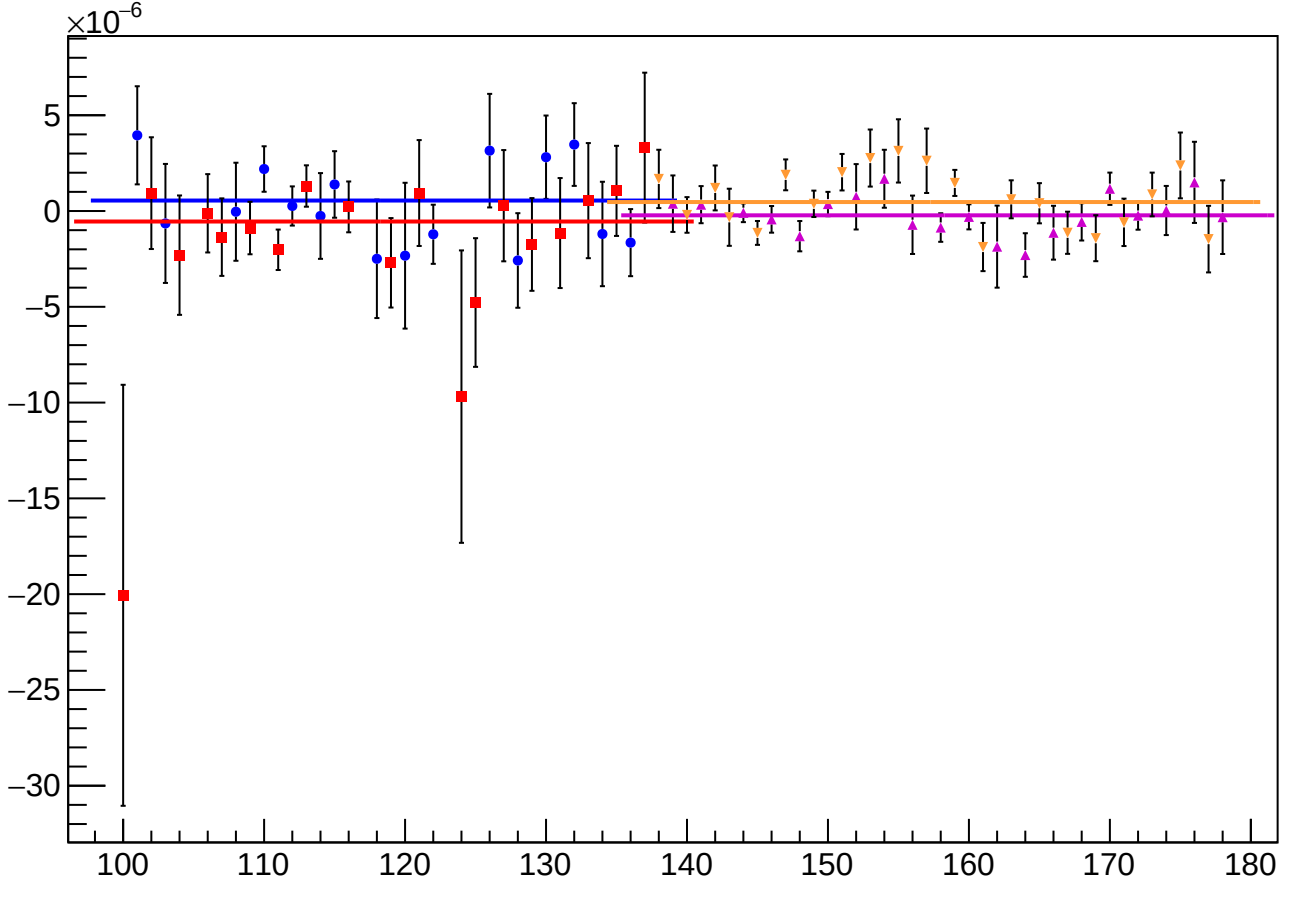
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.003+/-0.004 χ^2/NDF:30.4/35

Out: 0.009+/-0.004 χ^2/NDF:57.1/39

All: 0.003+/-0.003 χ^2/NDF: 91.2/75


asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 21.305+/-0.006 χ2/NDF: 1479398.3/15
Left Out: 20.075+/-0.004 χ2/NDF:1069398.1/20
Right Out: 19.697+/-0.006 χ2/NDF: 2438979.3/18
Left In: 19.966+/-0.004 χ2/NDF:909537.0/19
Left: 20.021+/-0.003 χ2/NDF: 1979397.0/40
Right: 20.463+/-0.004 χ2/NDF: 3954812.2/34
In: 20.314+/-0.003 χ2/NDF:2424652.4/35
Out: 19.971+/-0.003 χ2/NDF:3511445.5/39
All: 20.139+/-0.002 χ2/NDF: 5942286.3/75



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:14.0/19

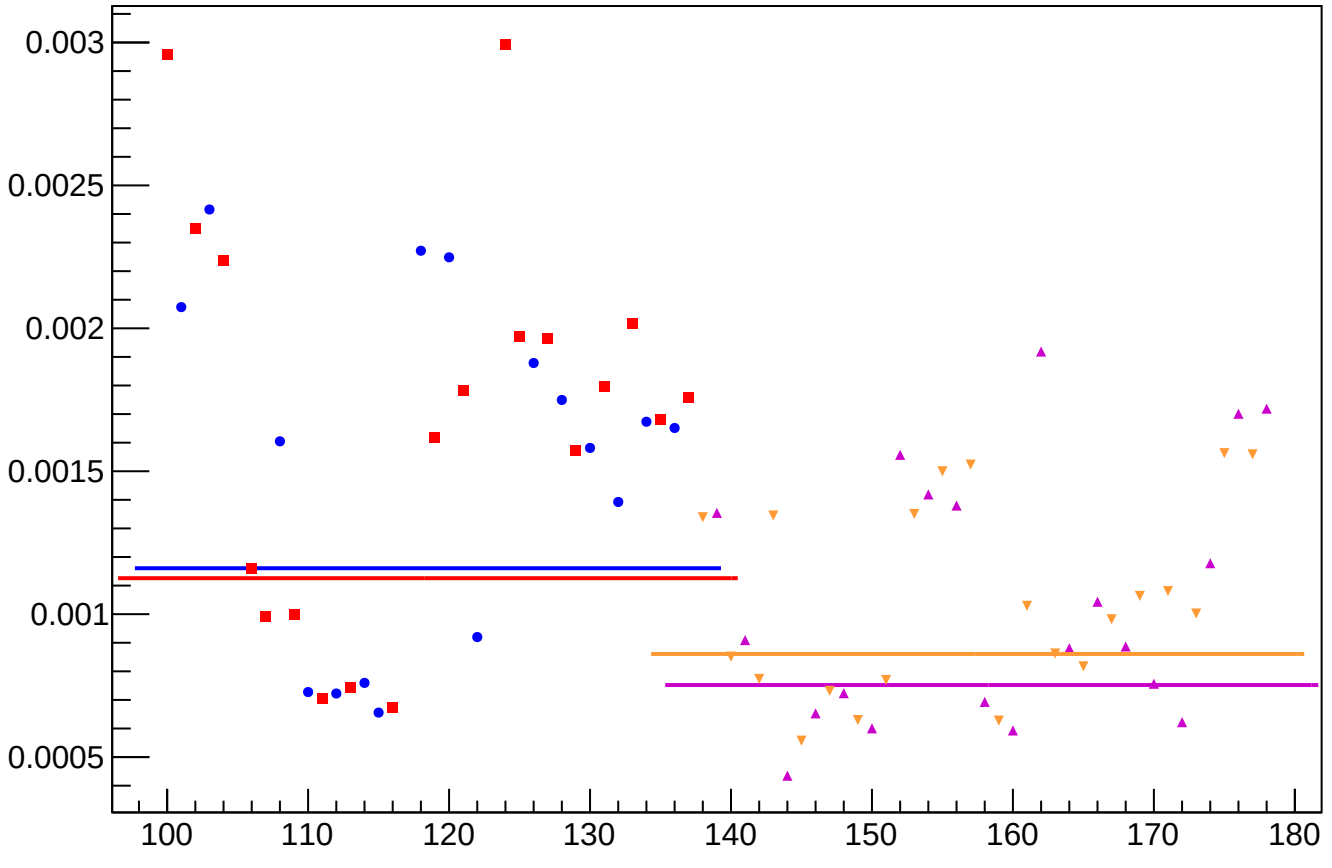
Left: 0.000+/-0.000 χ^2/NDF: 53.8/40

Right: -0.000+/-0.000 χ^2/NDF: 32.5/34

In: -0.000+/-0.000 χ^2/NDF:30.7/35

Out: 0.000+/-0.000 χ^2/NDF:53.8/39

All: 0.000+/-0.000 χ^2/NDF: 86.4/75



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:4621426.9/19

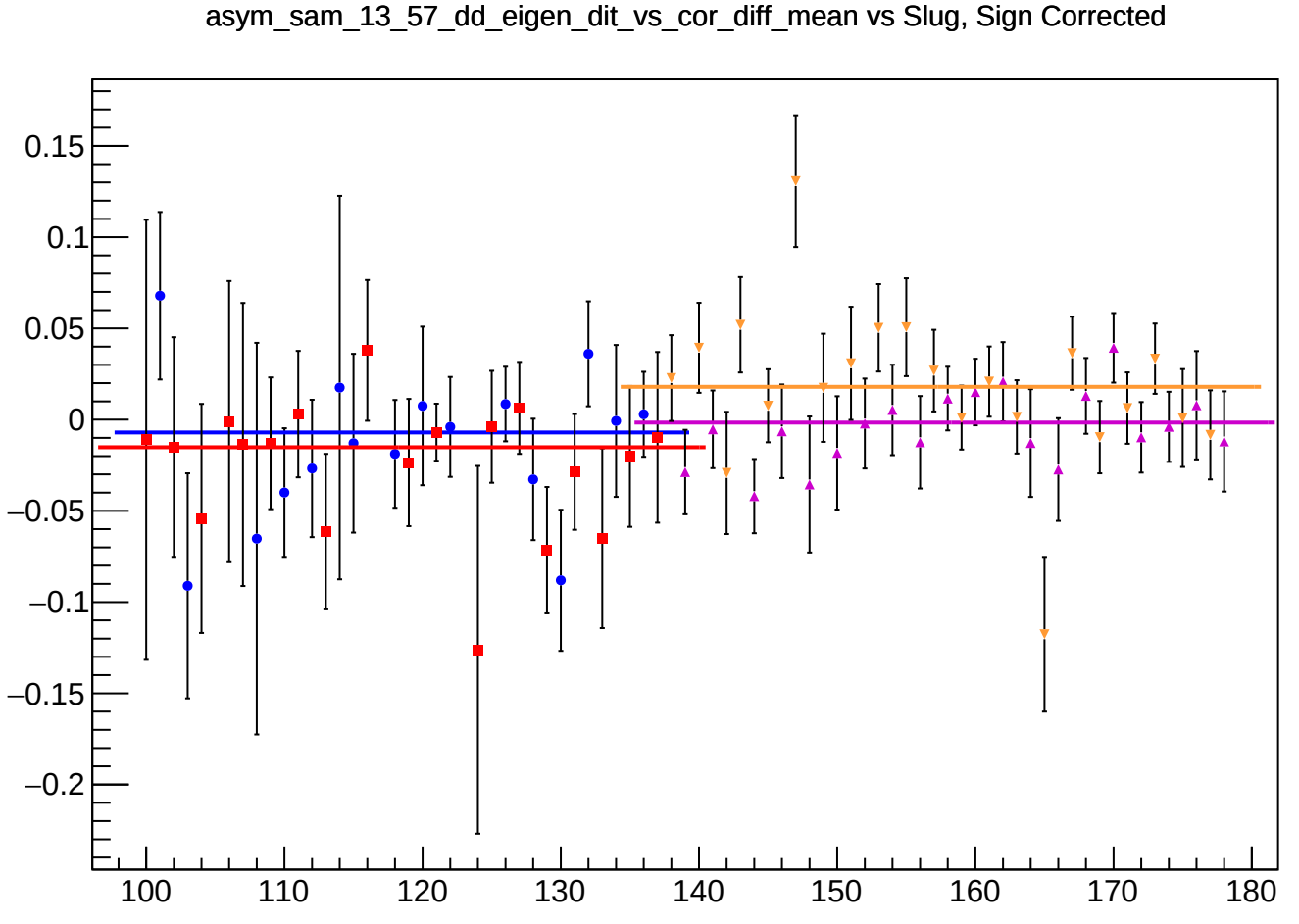
Left: 0.001+/-0.000 χ^2/NDF: 7998521.6/40

Right: 0.001+/-0.000 χ^2/NDF: 5164155.8/34

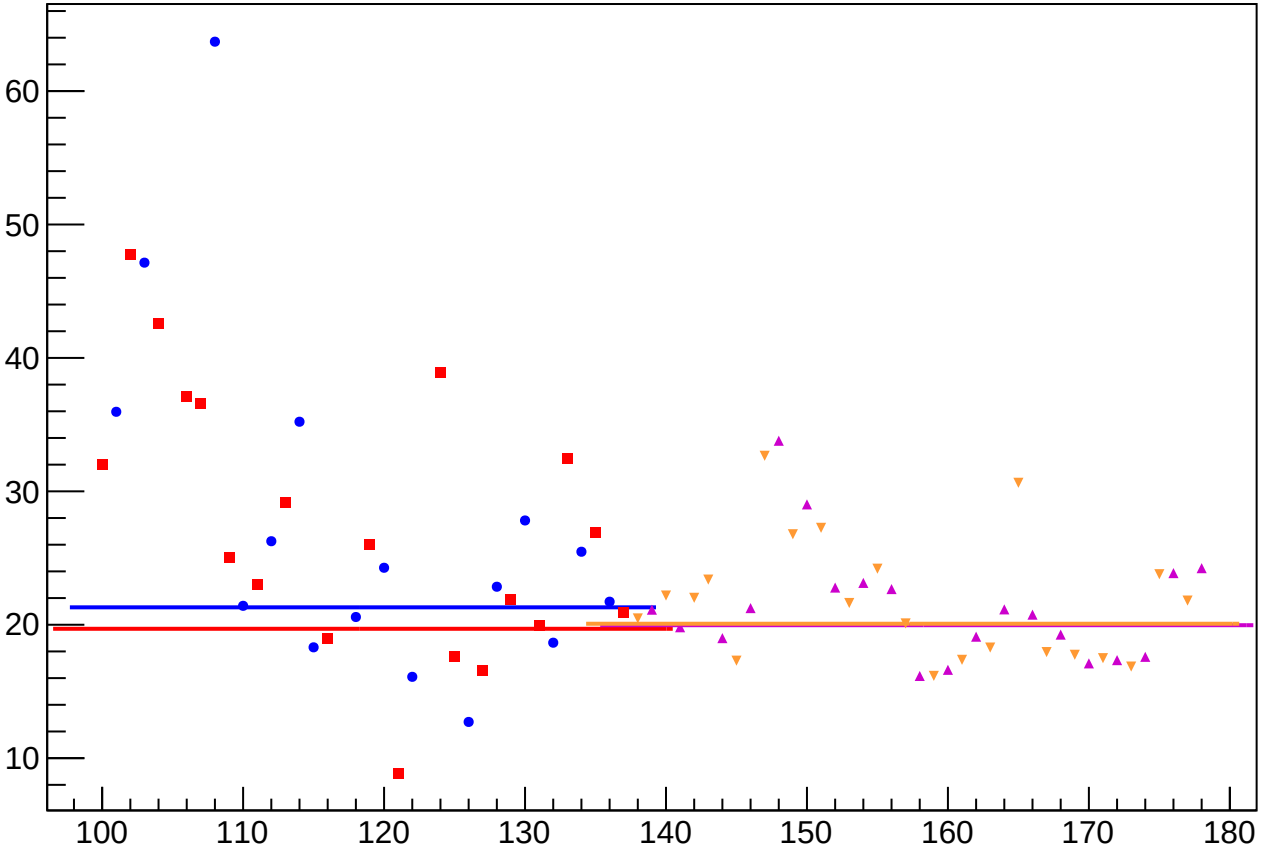
In: 0.001+/-0.000 χ^2/NDF:8389645.3/35

Out: 0.001+/-0.000 χ^2/NDF:6283114.2/39

All: 0.001+/-0.000 χ^2/NDF: 14924197.6/75


asym_sam_13_57_dd_eigen_dit_vs_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: -0.002+/-0.005 χ²/NDF:15.7/19
Left: 0.008+/-0.004 χ²/NDF: 58.5/40
Right: -0.011+/-0.006 χ²/NDF: 24.9/34
In: -0.003+/-0.004 χ²/NDF:30.4/35
Out: 0.009+/-0.004 χ²/NDF:57.1/39
All: 0.003+/-0.003 χ²/NDF: 91.2/75

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.075+/-0.004 χ^2/NDF:1069509.5/20

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 19.966+/-0.004 χ^2/NDF:909579.7/19

Left: 20.021+/-0.003 χ^2/NDF: 1979550.5/40

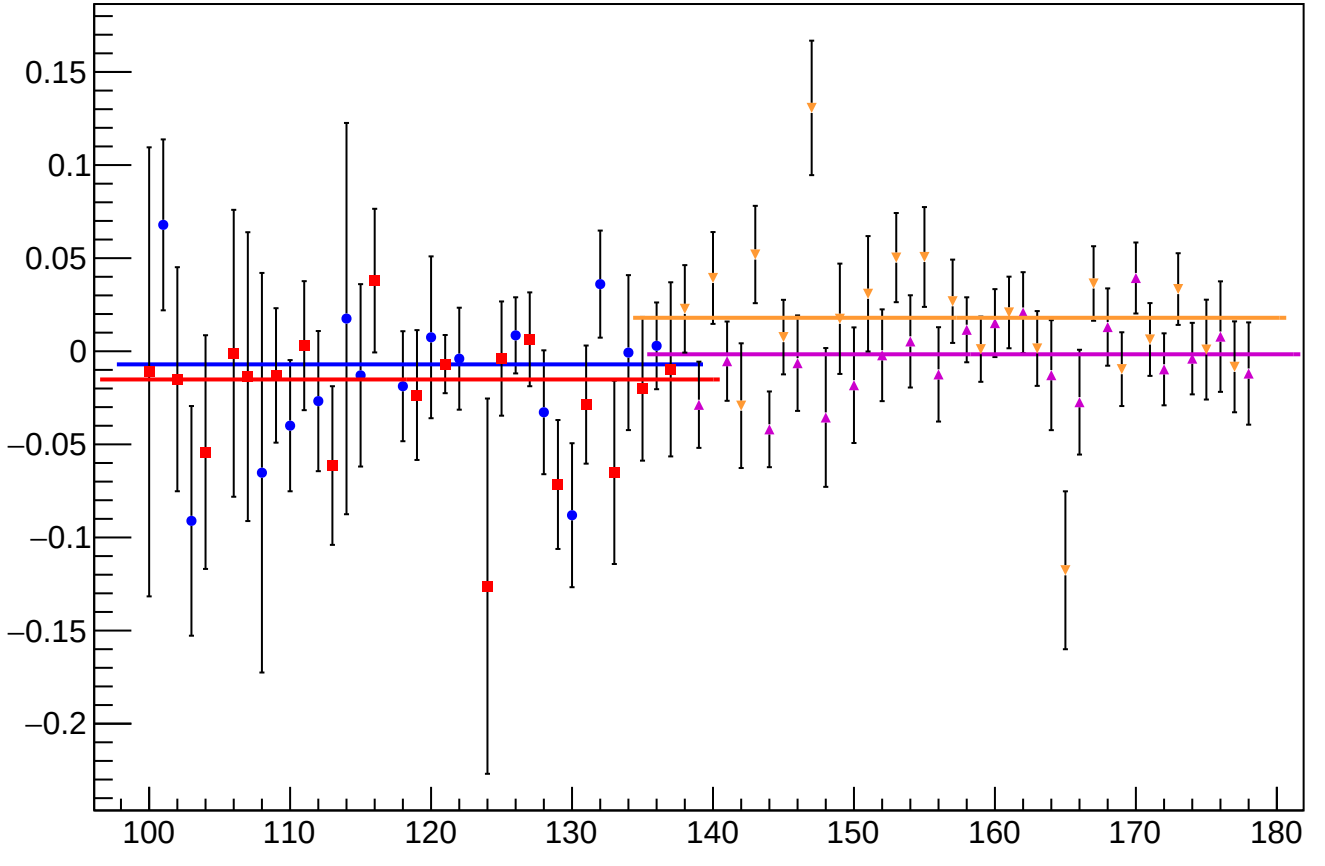
Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 20.314+/-0.003 χ^2/NDF:2424542.2/35

Out: 19.971+/-0.003 χ^2/NDF:3511178.6/39

All: 20.140+/-0.002 χ^2/NDF: 5941907.1/75

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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: -0.002+/-0.005 χ^2/NDF:15.7/19

Left: 0.008+/-0.004 χ^2/NDF: 58.5/40

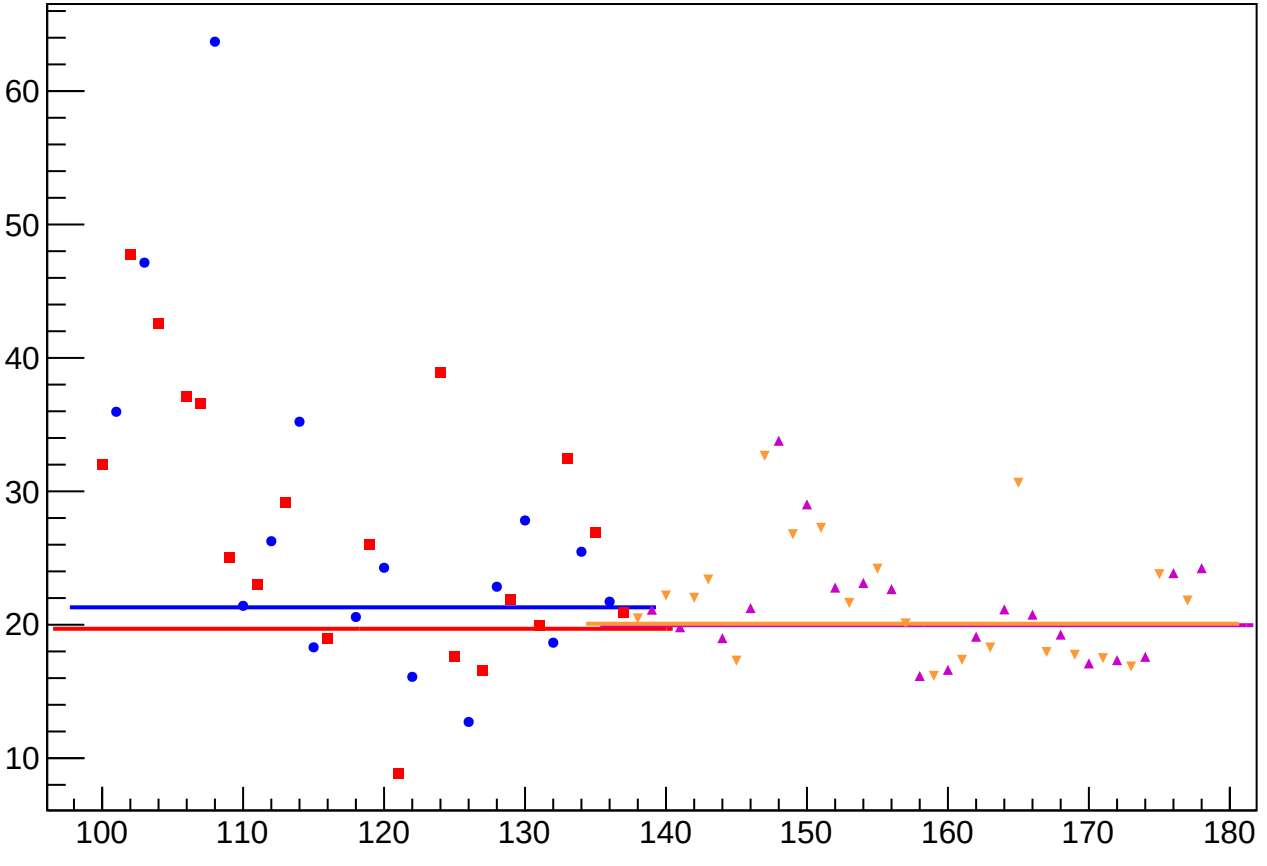
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.003+/-0.004 χ^2/NDF:30.4/35

Out: 0.009+/-0.004 χ^2/NDF:57.1/39

All: 0.003+/-0.003 χ^2/NDF: 91.2/75

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.075+/-0.004 χ^2/NDF:1069509.5/20

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 19.966+/-0.004 χ^2/NDF:909579.7/19

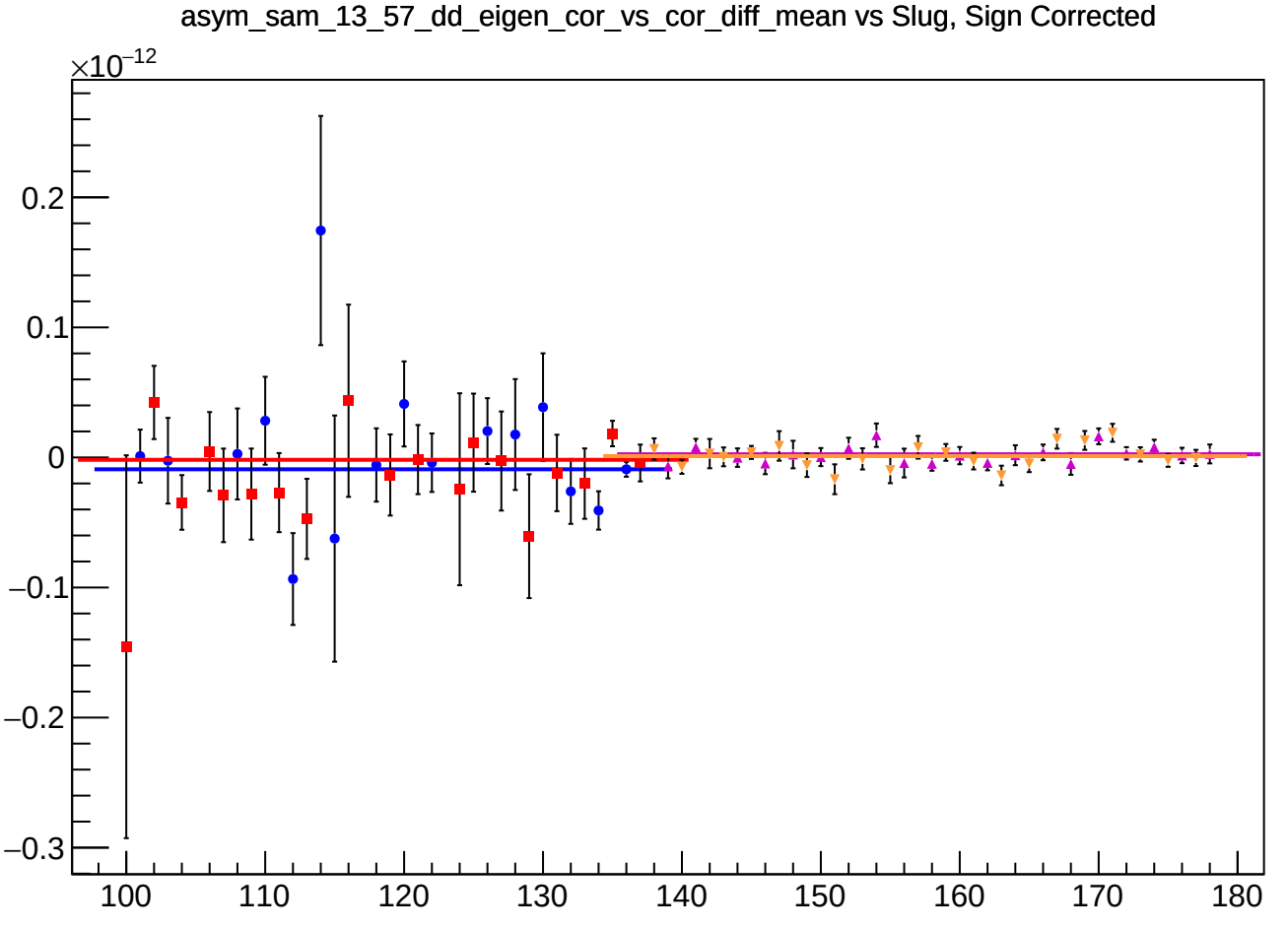
Left: 20.021+/-0.003 χ^2/NDF: 1979550.5/40

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 20.314+/-0.003 χ^2/NDF:2424542.2/35

Out: 19.971+/-0.003 χ^2/NDF:3511178.6/39

All: 20.140+/-0.002 χ^2/NDF: 5941907.1/75



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:16.2/19

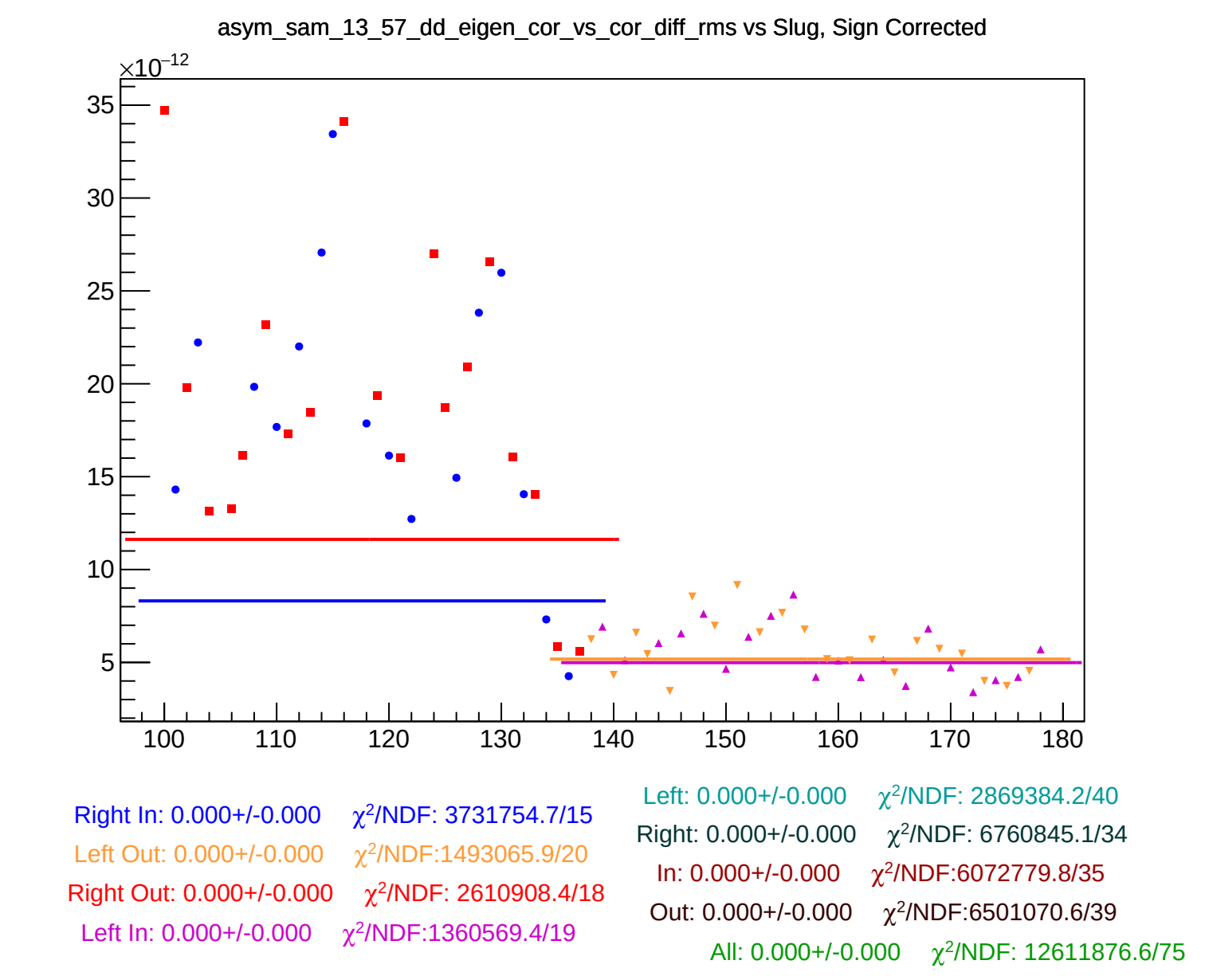
Left: 0.000+/-0.000 χ^2/NDF: 43.5/40

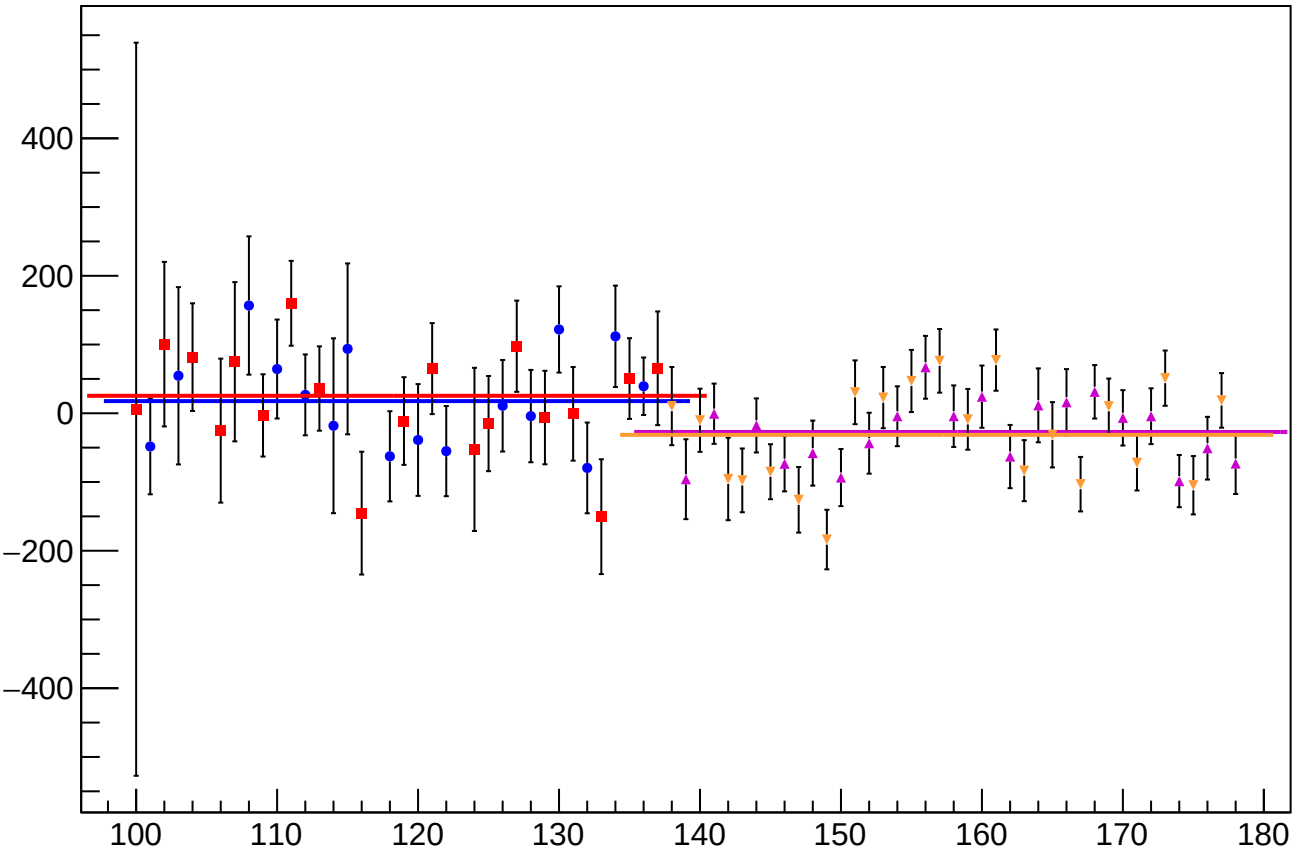
Right: -0.000+/-0.000 χ^2/NDF: 40.6/34

In: 0.000+/-0.000 χ^2/NDF:44.7/35

Out: 0.000+/-0.000 χ^2/NDF:44.0/39

All: 0.000+/-0.000 χ^2/NDF: 88.8/75


asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 3731754.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1493065.9/20
Right Out: 0.000+/-0.000 χ²/NDF: 2610908.4/18
Left In: 0.000+/-0.000 χ²/NDF:1360569.4/19
Left: 0.000+/-0.000 χ²/NDF: 2869384.2/40
Right: 0.000+/-0.000 χ²/NDF: 6760845.1/34
In: 0.000+/-0.000 χ²/NDF:6072779.8/35
Out: 0.000+/-0.000 χ²/NDF:6501070.6/39
All: 0.000+/-0.000 χ²/NDF: 12611876.6/75



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: -27.202+/-9.795 χ^2/NDF:22.0/19

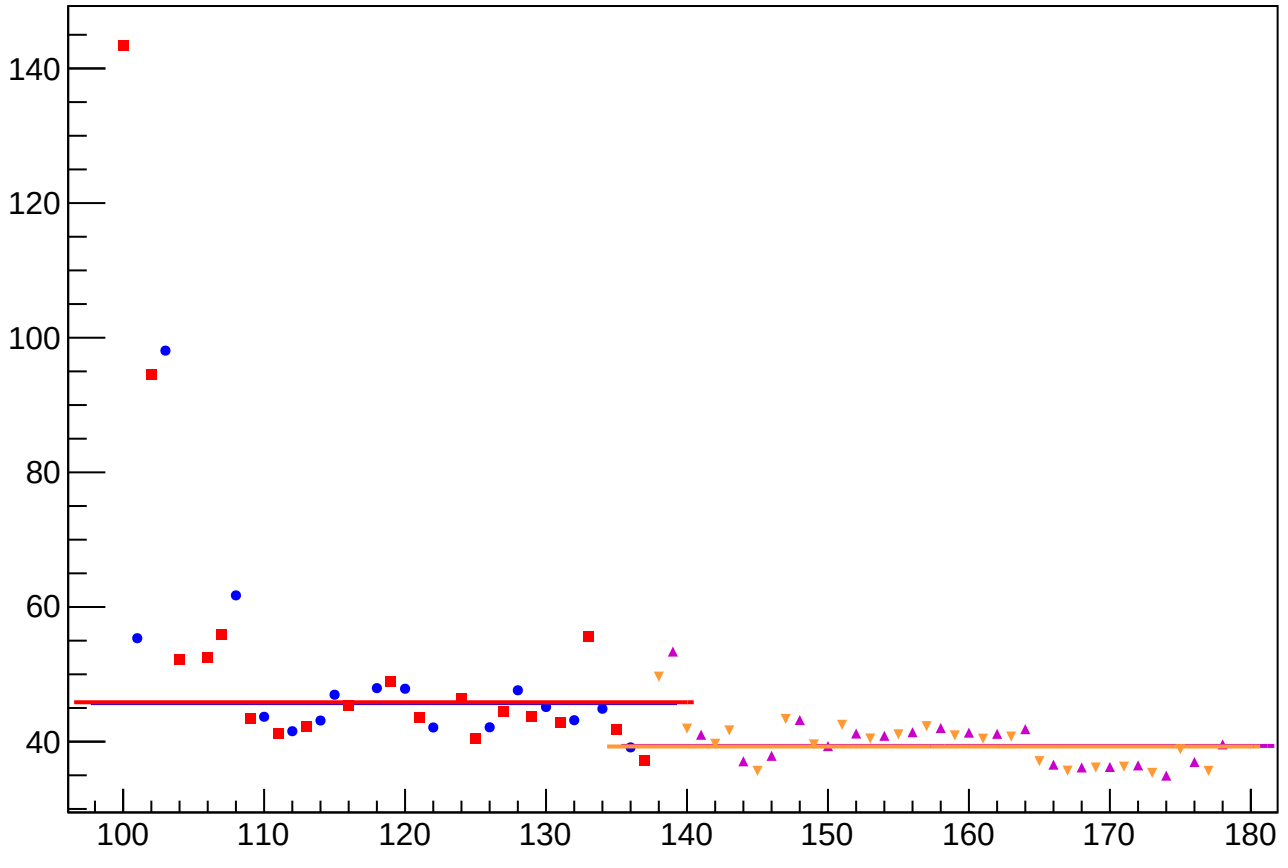
Left: -29.326+/-6.883 χ^2/NDF: 77.5/40

Right: 21.600+/-12.306 χ^2/NDF: 31.9/34

In: -16.463+/-8.544 χ^2/NDF:40.9/35

Out: -17.904+/-8.447 χ^2/NDF:81.5/39

All: -17.191+/-6.007 χ^2/NDF: 122.4/75



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: 39.363+/-0.007 χ^2/NDF:244827.3/19

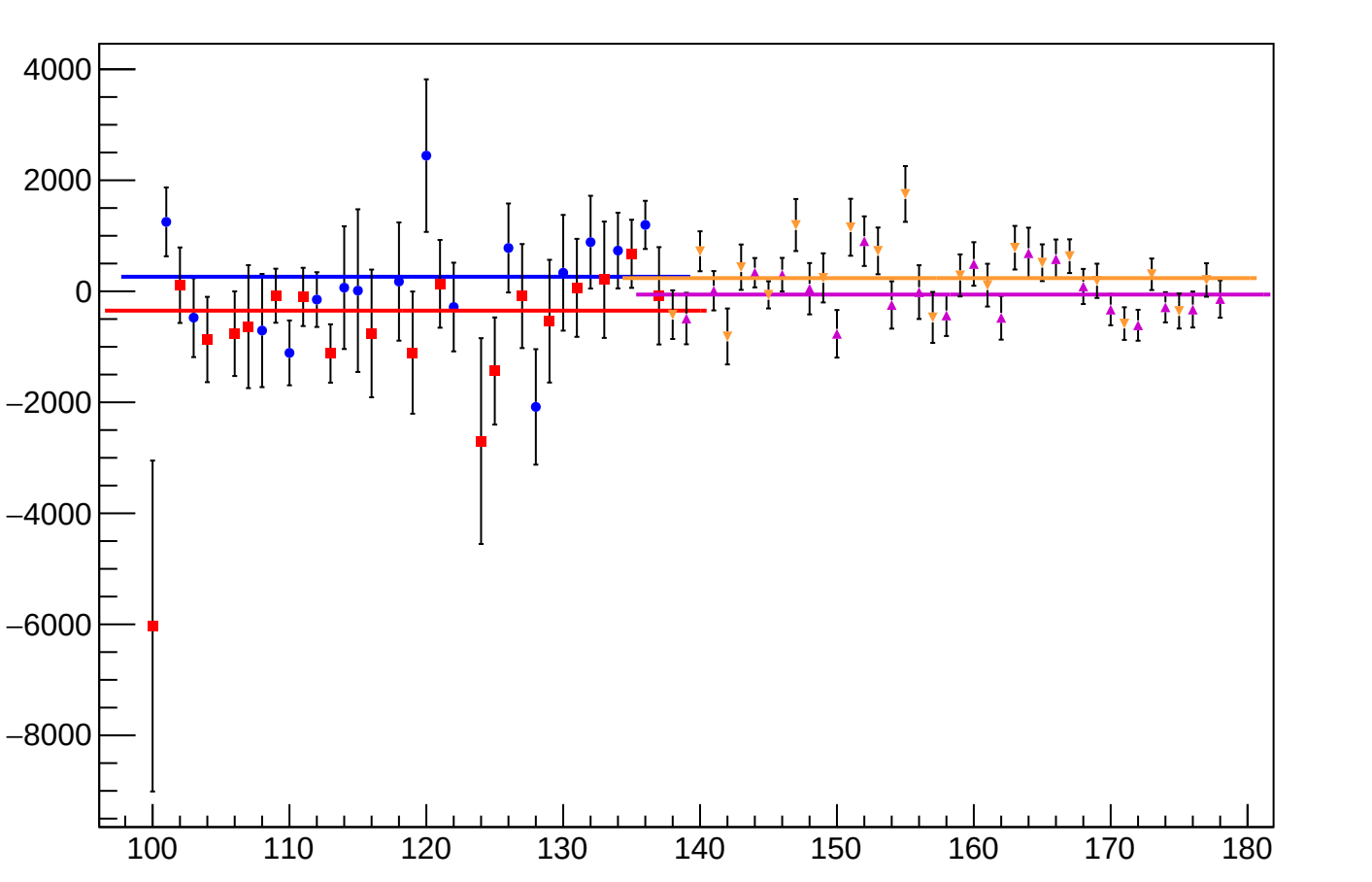
Left: 39.319+/-0.005 χ^2/NDF: 463407.5/40

Right: 45.788+/-0.009 χ^2/NDF: 1041667.0/34

In: 40.885+/-0.006 χ^2/NDF:948211.5/35

Out: 40.836+/-0.006 χ^2/NDF:977931.2/39

All: 40.860+/-0.004 χ^2/NDF: 1926175.3/75



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: -58.882+/-78.311 χ^2/NDF:28.7/19

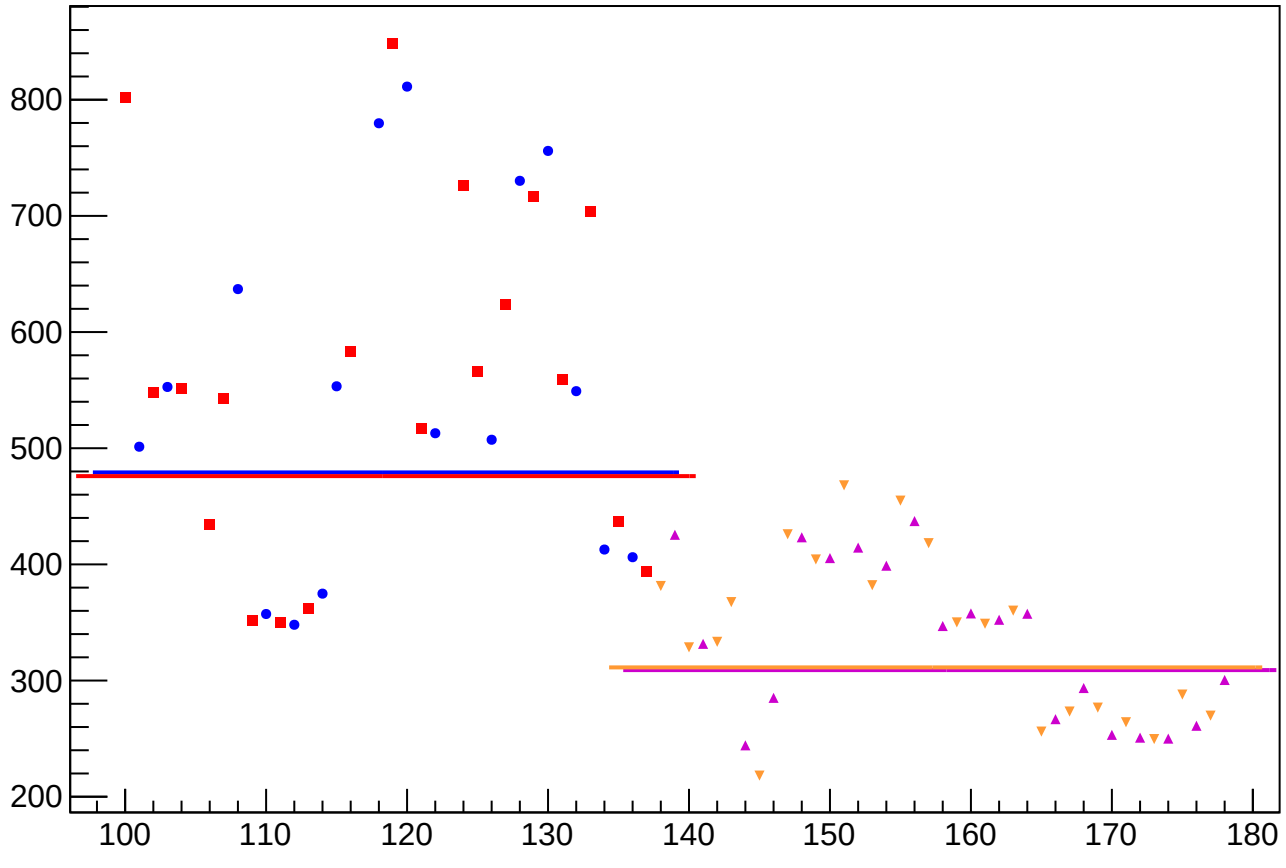
Left: 89.113+/-55.384 χ^2/NDF: 82.1/40

Right: -50.928+/-129.333 χ^2/NDF: 45.5/34

In: -10.225+/-72.129 χ^2/NDF:56.2/35

Out: 144.501+/-71.873 χ^2/NDF:70.0/39

All: 67.412+/-50.912 χ^2/NDF: 128.5/75



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: 308.999+/-0.055 χ^2/NDF:1267405.3/19

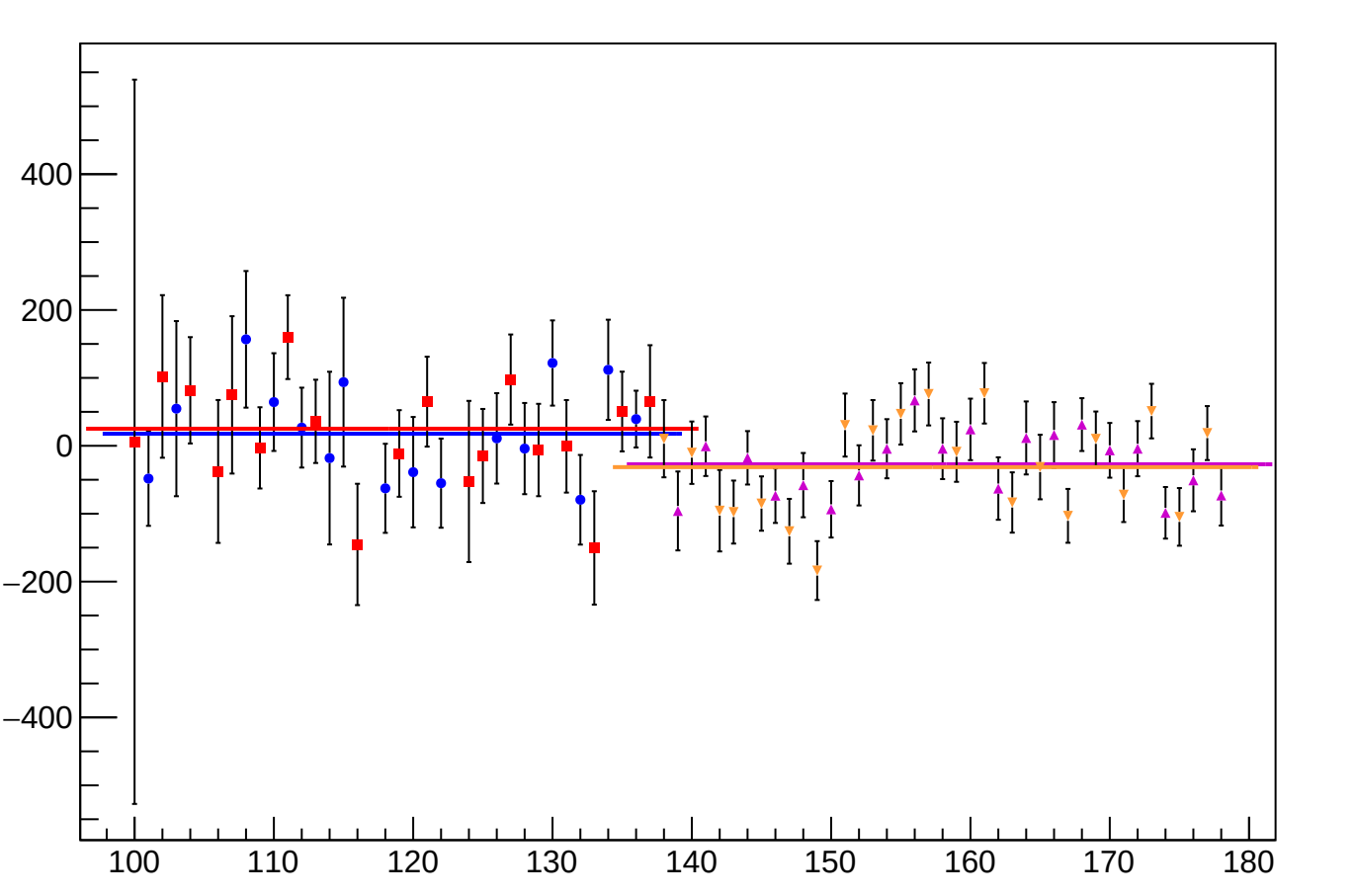
Left: 310.159+/-0.039 χ^2/NDF: 2754750.5/40

Right: 477.545+/-0.091 χ^2/NDF: 1959484.6/34

In: 334.809+/-0.051 χ^2/NDF:3652535.1/35

Out: 337.377+/-0.051 χ^2/NDF:3891342.0/39

All: 336.098+/-0.036 χ^2/NDF: 7545149.6/75



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: -27.201+/-9.795 χ^2/NDF:22.0/19

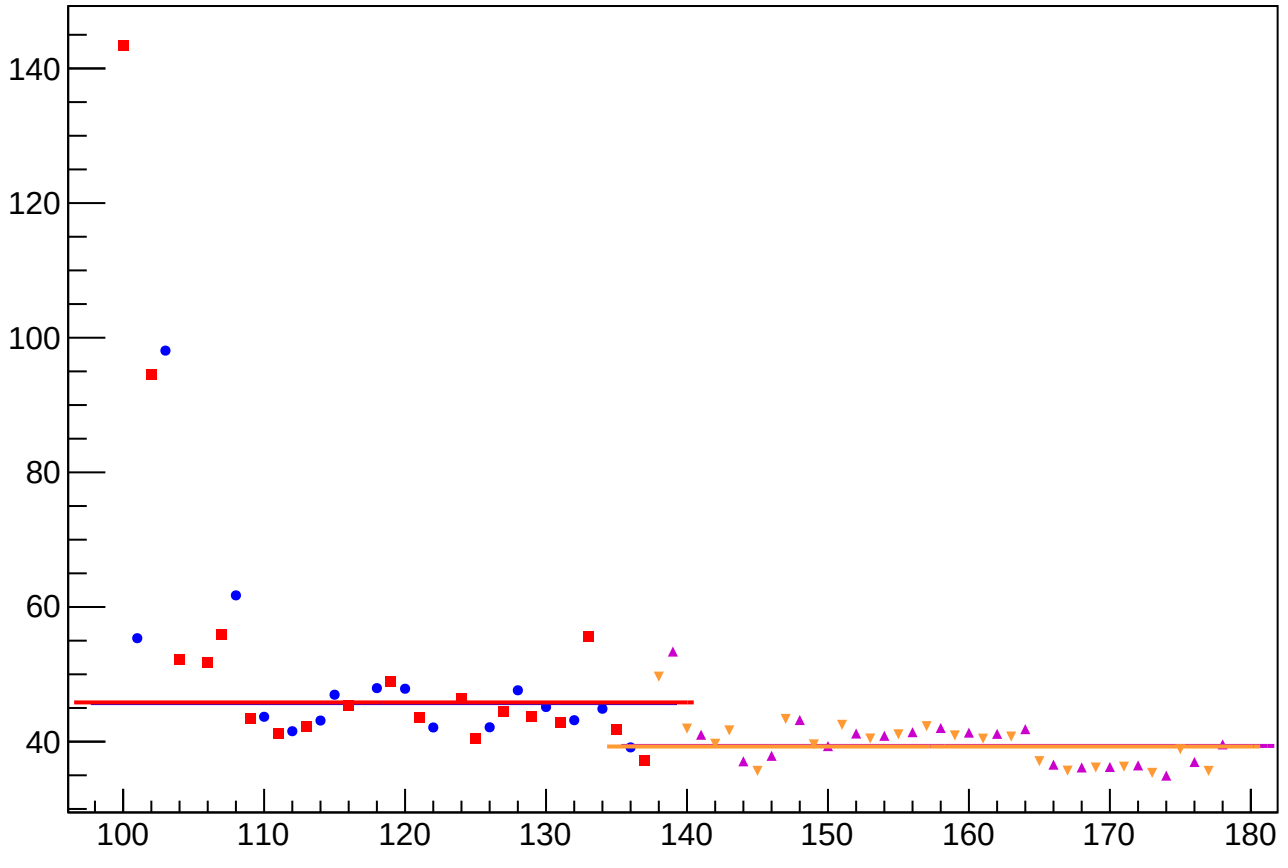
Left: -29.326+/-6.883 χ^2/NDF: 77.5/40

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -16.461+/-8.544 χ^2/NDF:40.9/35

Out: -17.977+/-8.448 χ^2/NDF:81.5/39

All: -17.228+/-6.007 χ^2/NDF: 122.5/75



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: 39.363+/-0.007 χ^2/NDF:244827.2/19

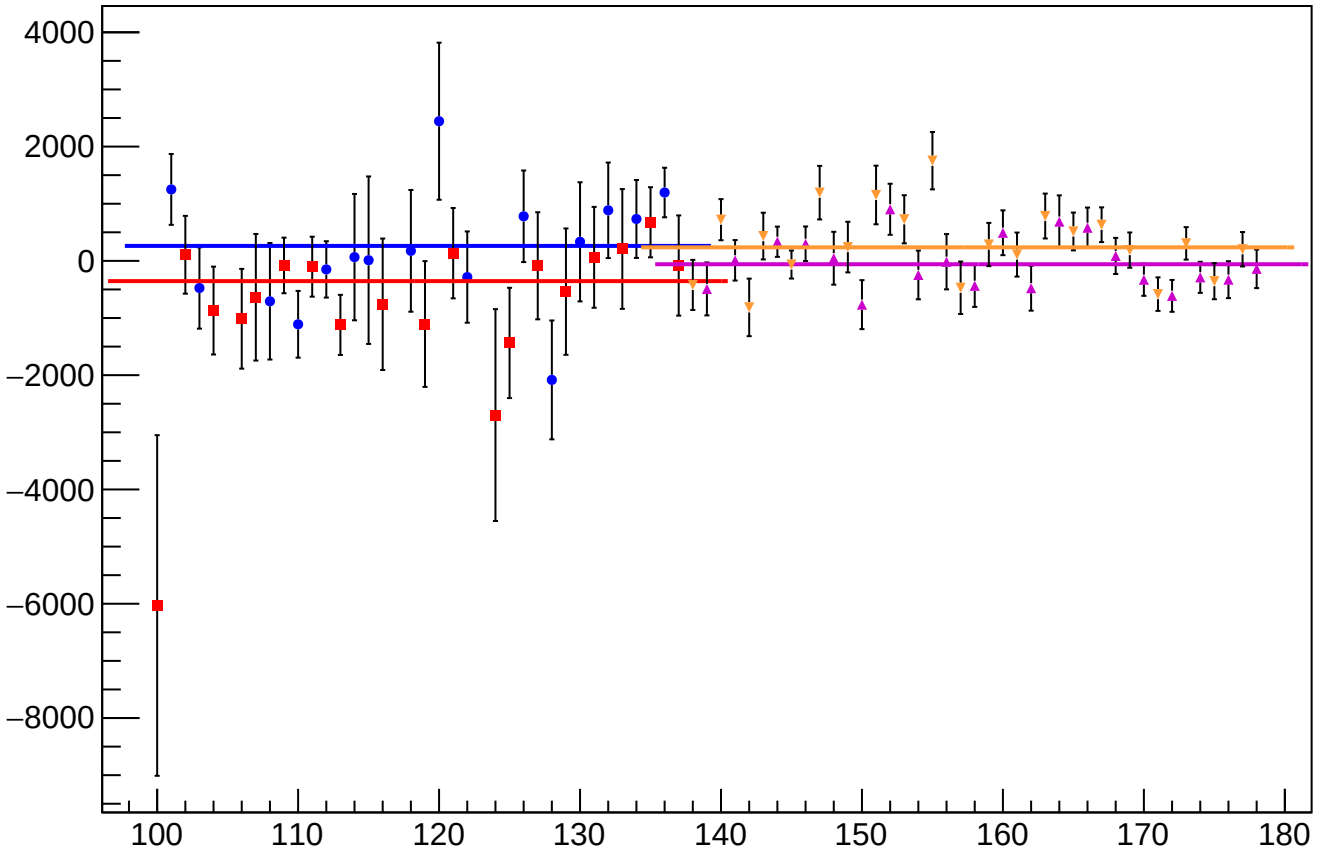
Left: 39.319+/-0.005 χ^2/NDF: 463407.5/40

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 40.885+/-0.006 χ^2/NDF:948214.4/35

Out: 40.830+/-0.006 χ^2/NDF:974612.6/39

All: 40.857+/-0.004 χ^2/NDF: 1922868.1/75



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: -58.879+/-78.311 χ^2/NDF:28.7/19

Left: 89.114+/-55.384 χ^2/NDF: 82.1/40

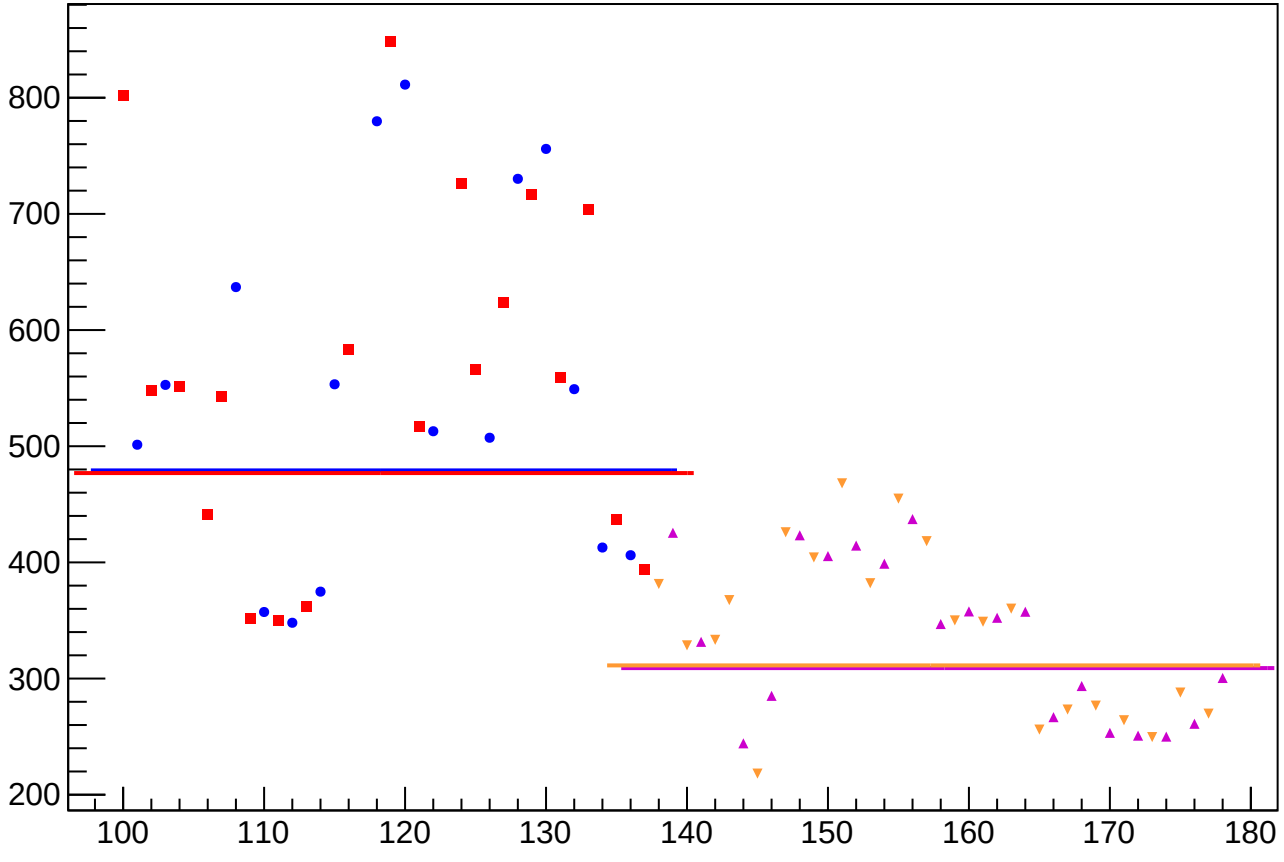
Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: -10.222+/-72.129 χ^2/NDF:56.2/35

Out: 144.682+/-71.950 χ^2/NDF:70.3/39

All: 67.422+/-50.939 χ^2/NDF: 128.9/75

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: 308.999+/-0.055 χ^2/NDF:1267413.8/19

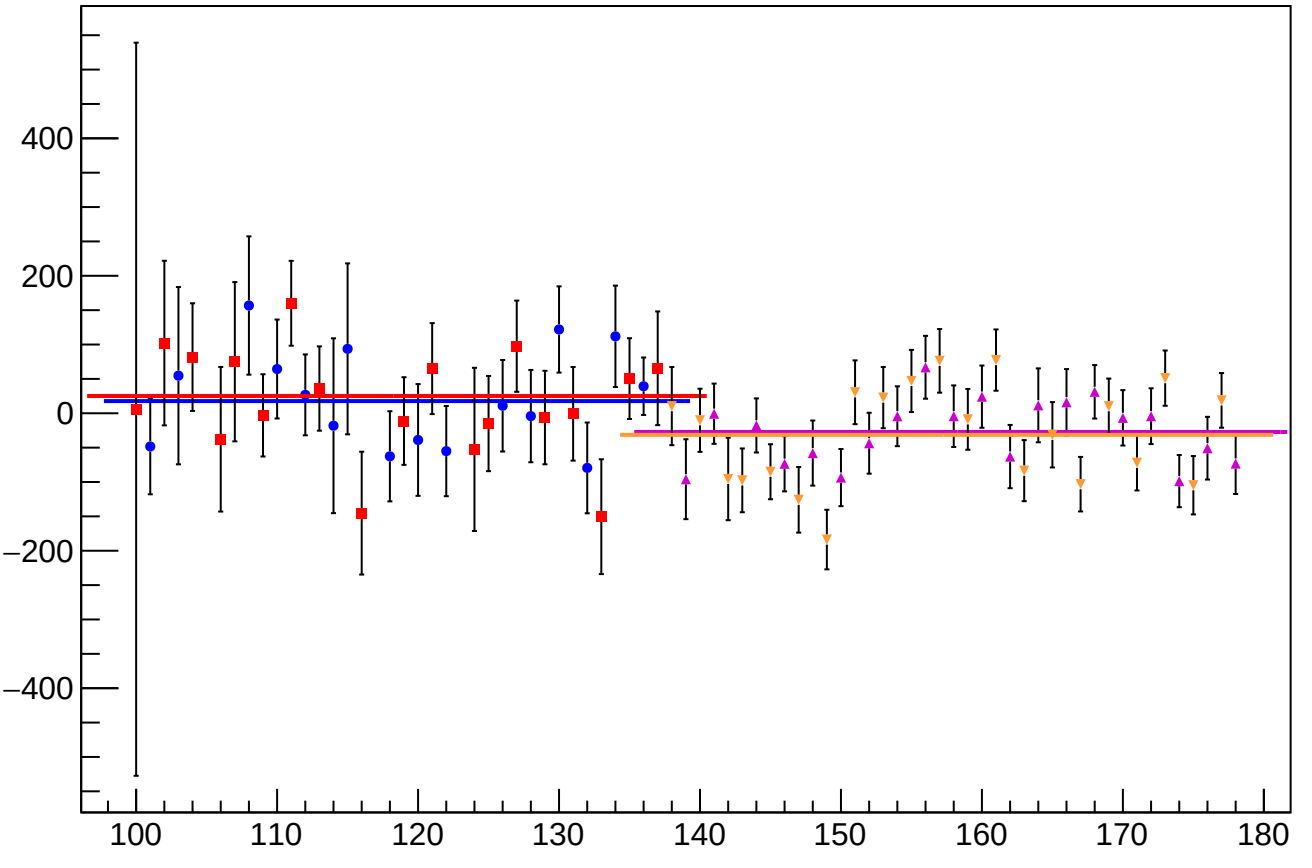
Left: 310.159+/-0.039 χ^2/NDF: 2754756.9/40

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 334.809+/-0.051 χ^2/NDF:3652597.0/35

Out: 337.224+/-0.051 χ^2/NDF:3888011.7/39

All: 336.020+/-0.036 χ^2/NDF: 7541733.0/75



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: -27.201+/-9.795 χ^2/NDF:22.0/19

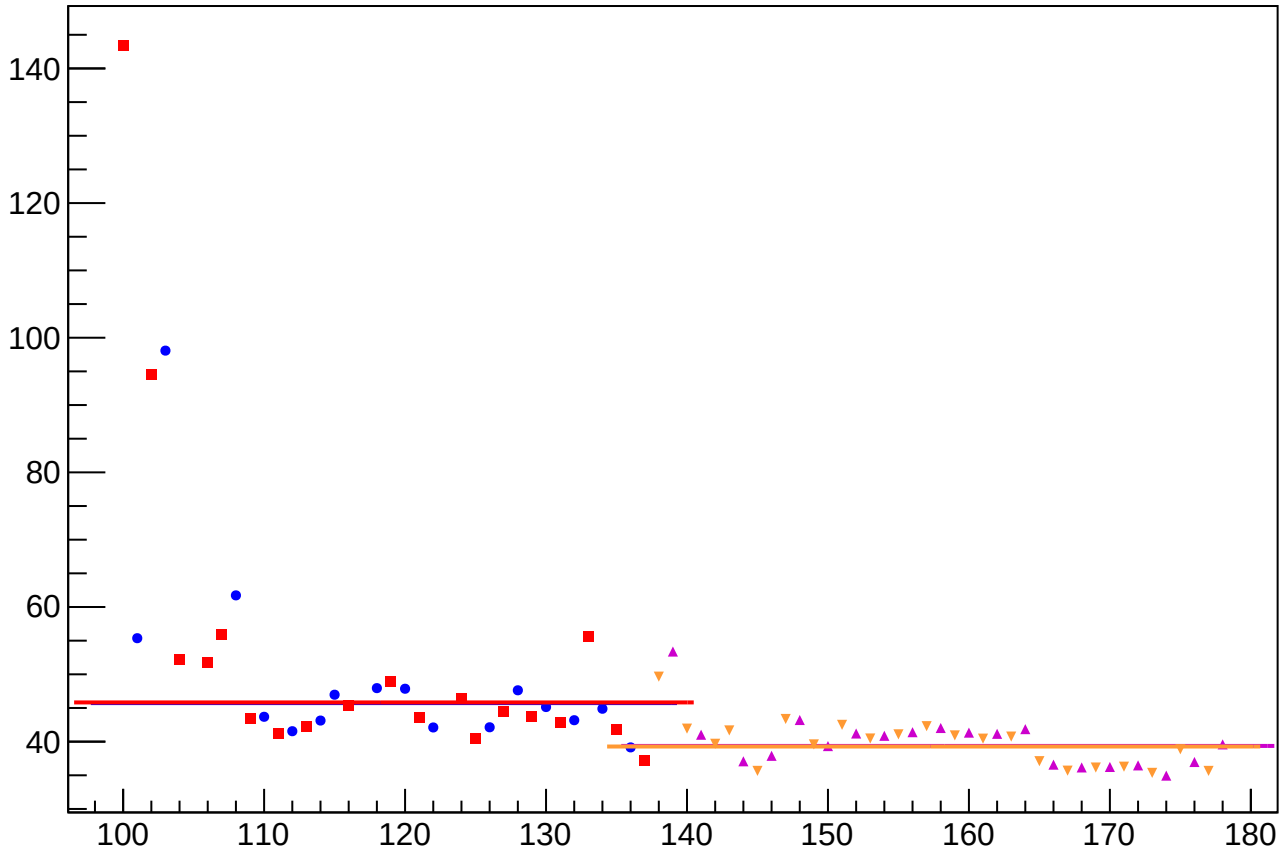
Left: -29.326+/-6.883 χ^2/NDF: 77.5/40

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -16.461+/-8.544 χ^2/NDF:40.9/35

Out: -17.977+/-8.448 χ^2/NDF:81.5/39

All: -17.228+/-6.007 χ^2/NDF: 122.5/75



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: 39.363+/-0.007 χ^2/NDF:244827.2/19

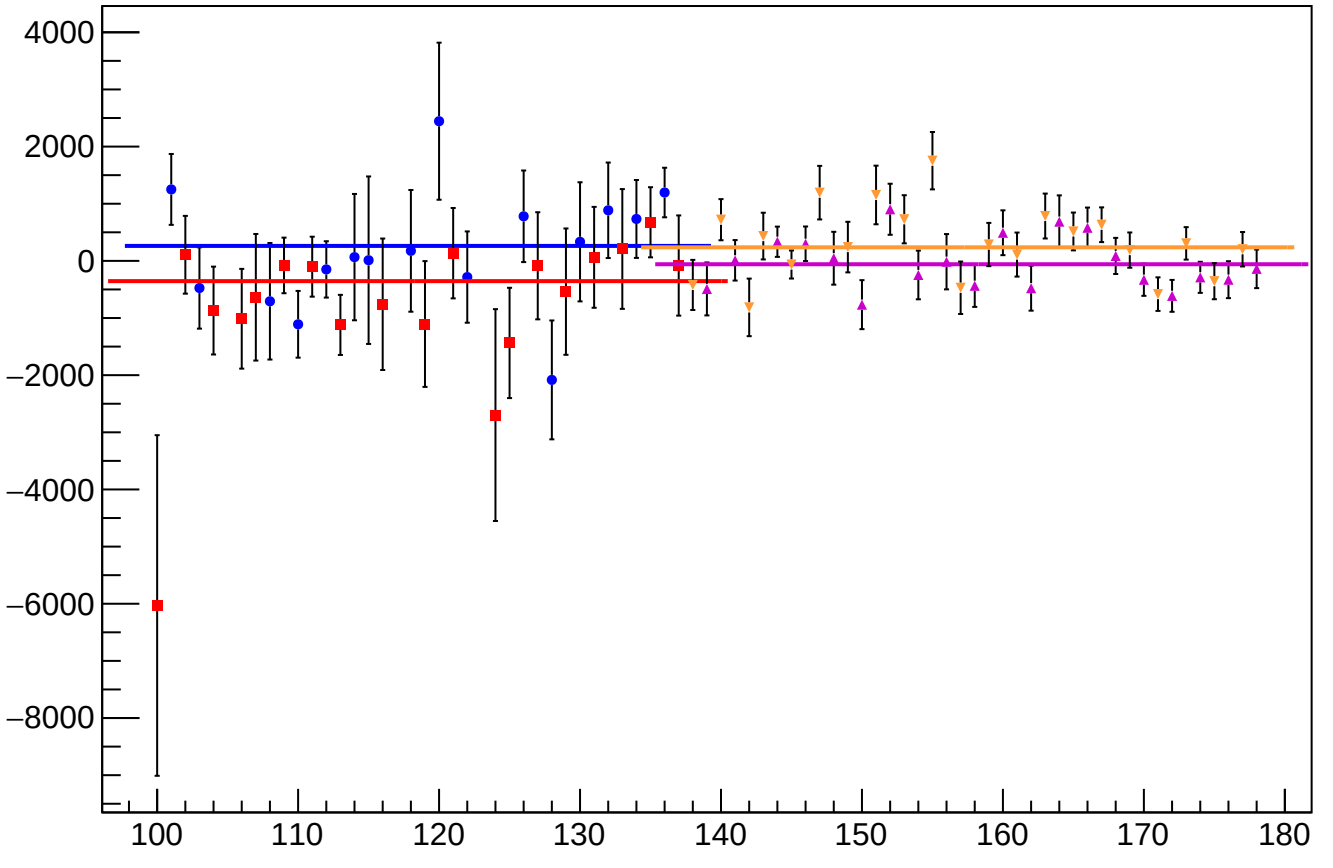
Left: 39.319+/-0.005 χ^2/NDF: 463407.5/40

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 40.885+/-0.006 χ^2/NDF:948214.4/35

Out: 40.830+/-0.006 χ^2/NDF:974612.6/39

All: 40.857+/-0.004 χ^2/NDF: 1922868.1/75



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: -58.879+/-78.311 χ^2/NDF:28.7/19

Left: 89.114+/-55.384 χ^2/NDF: 82.1/40

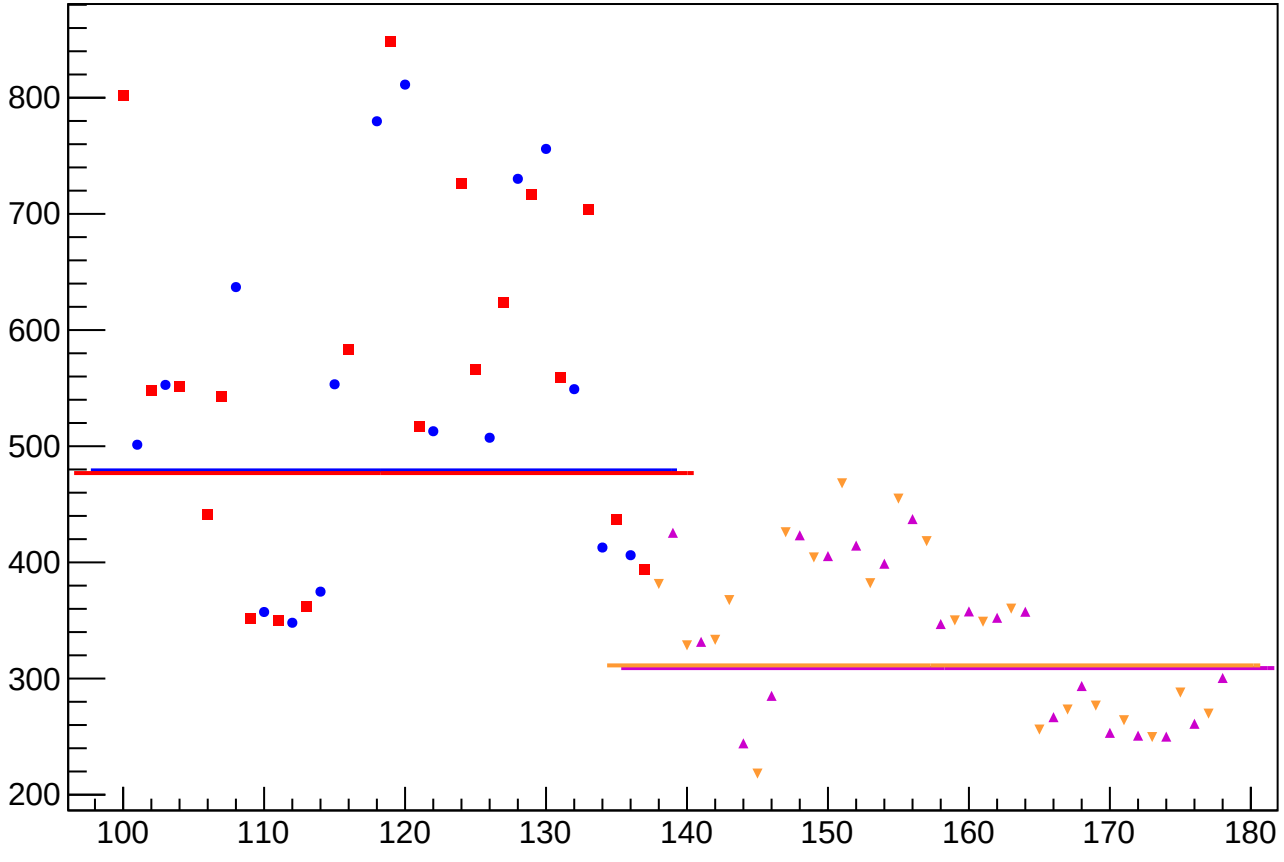
Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: -10.222+/-72.129 χ^2/NDF:56.2/35

Out: 144.682+/-71.950 χ^2/NDF:70.3/39

All: 67.422+/-50.939 χ^2/NDF: 128.9/75

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: 308.999+/-0.055 χ^2/NDF:1267413.8/19

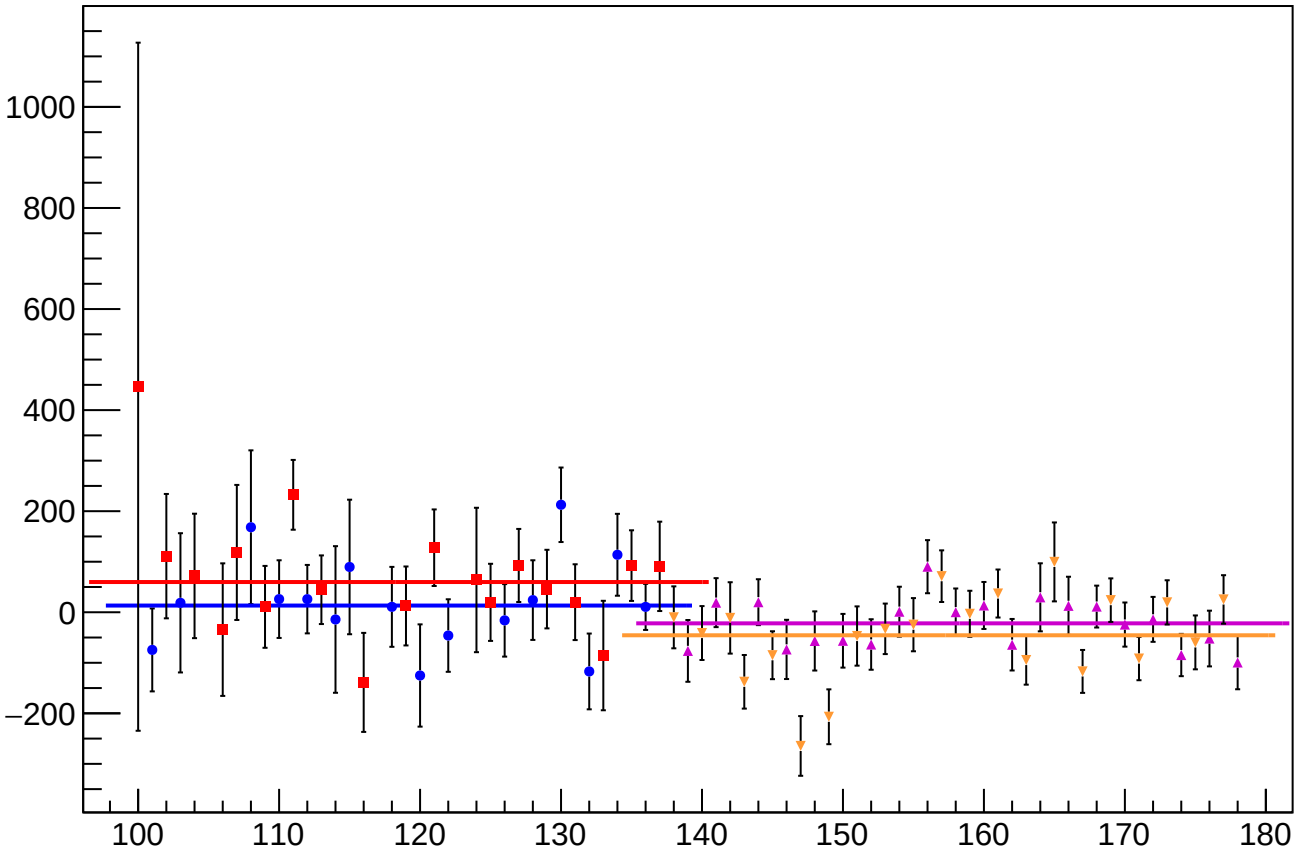
Left: 310.159+/-0.039 χ^2/NDF: 2754756.9/40

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 334.809+/-0.051 χ^2/NDF:3652597.0/35

Out: 337.224+/-0.051 χ^2/NDF:3888011.7/39

All: 336.020+/-0.036 χ^2/NDF: 7541733.0/75



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: -21.942+/-11.193 χ^2/NDF:17.2/19

Left: -33.865+/-7.876 χ^2/NDF: 71.2/40

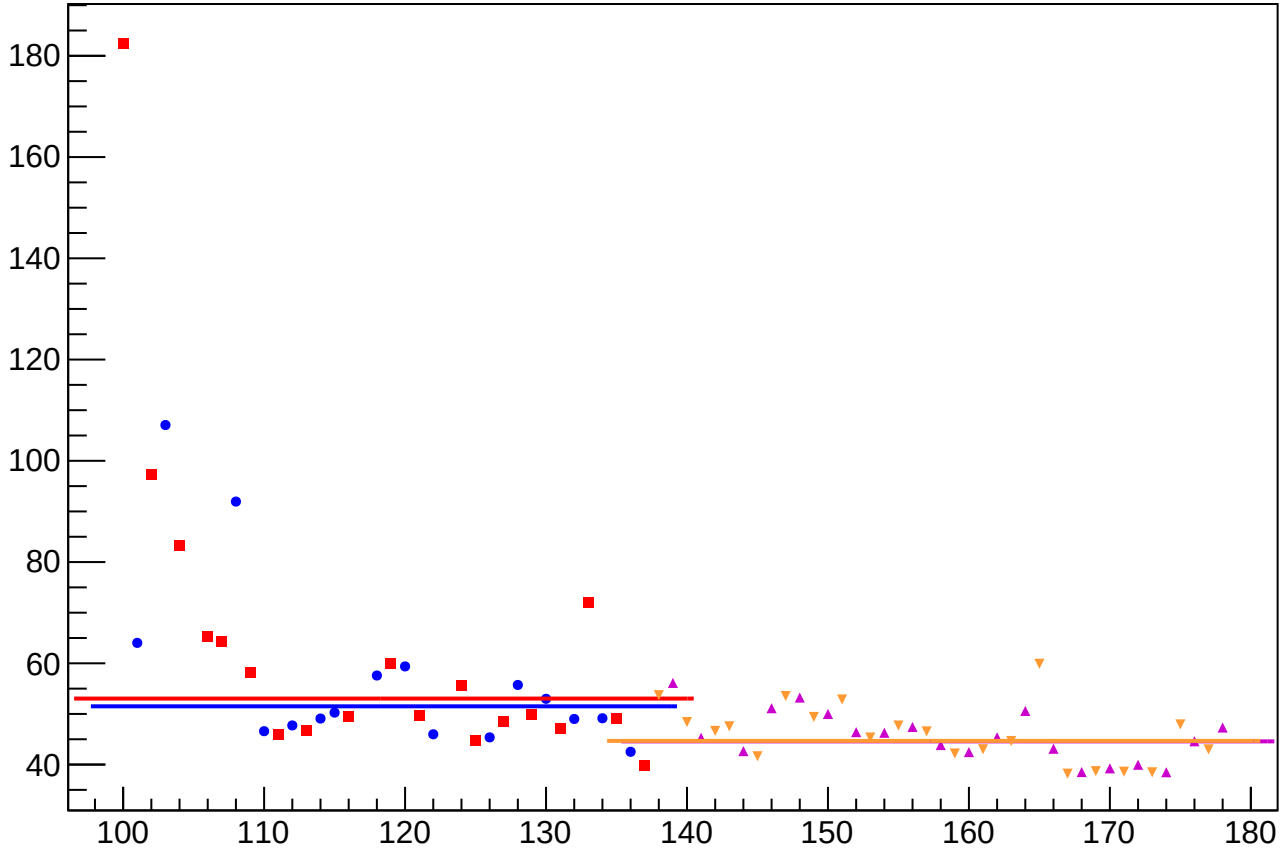
Right: 36.091+/-14.170 χ^2/NDF: 36.0/34

In: -13.448+/-9.749 χ^2/NDF:36.8/35

Out: -21.234+/-9.722 χ^2/NDF:88.7/39

All: -17.352+/-6.884 χ^2/NDF: 125.8/75

dit_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 44.675+/-0.008 χ^2/NDF:437327.8/20

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

Left In: 44.581+/-0.008 χ^2/NDF:340009.5/19

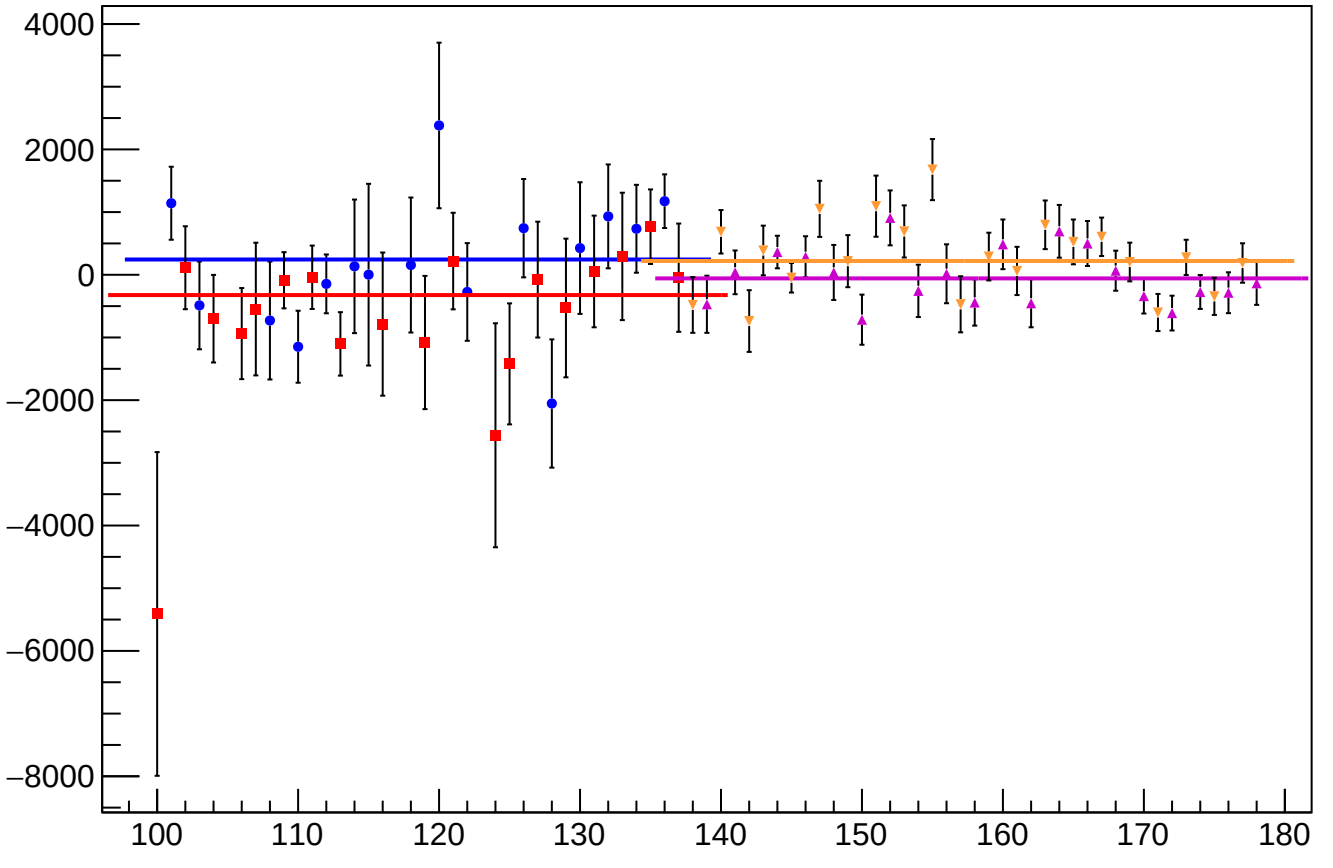
Left: 44.629+/-0.006 χ^2/NDF: 777407.7/40

Right: 52.257+/-0.010 χ^2/NDF: 1385808.8/34

In: 46.252+/-0.007 χ^2/NDF:1191732.4/35

Out: 46.606+/-0.007 χ^2/NDF:1412988.1/39

All: 46.429+/-0.005 χ^2/NDF: 2606040.4/75



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: -57.894+/-77.800 χ^2/NDF:28.5/19

Left: 81.754+/-54.899 χ^2/NDF: 79.8/40

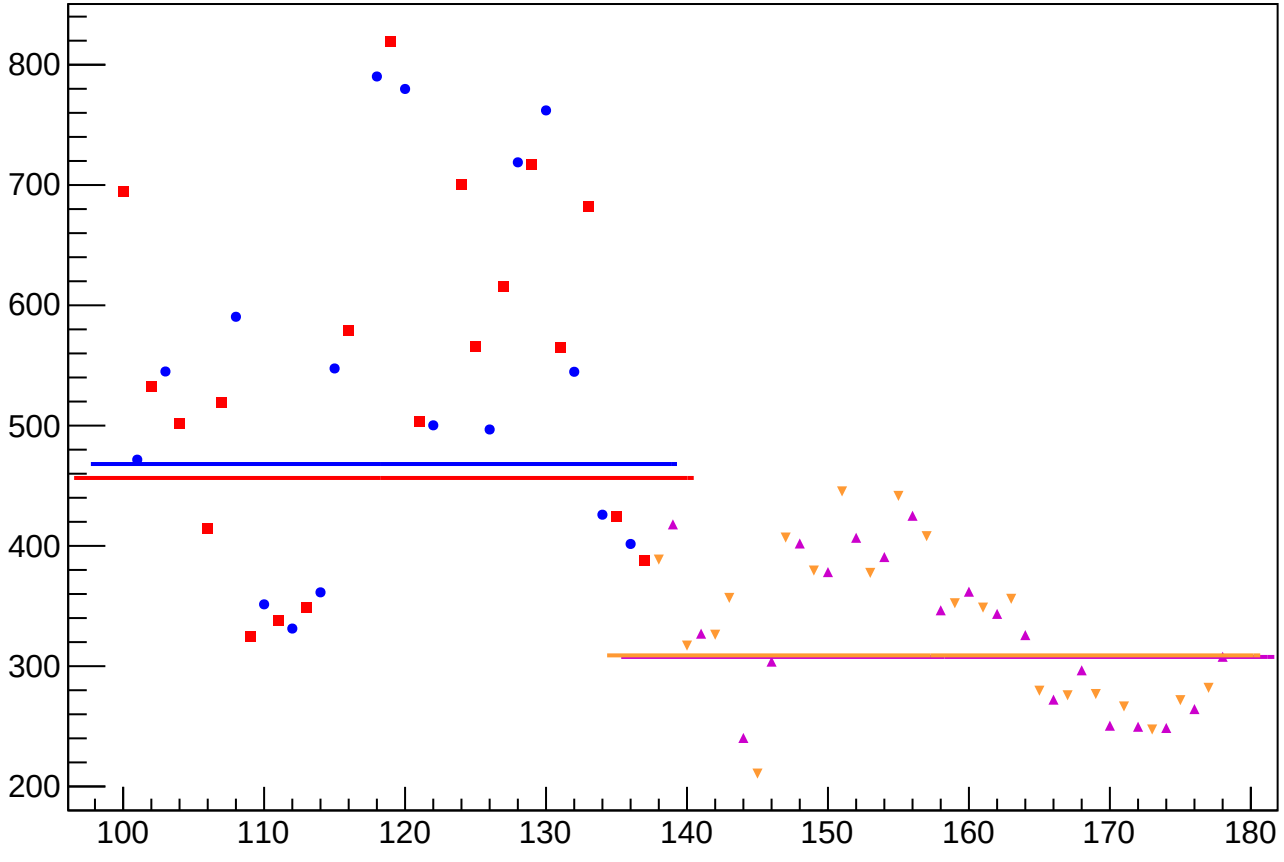
Right: -51.485+/-125.258 χ^2/NDF: 47.2/34

In: -10.785+/-71.469 χ^2/NDF:56.4/35

Out: 129.938+/-70.755 χ^2/NDF:69.6/39

All: 60.283+/-50.282 χ^2/NDF: 127.9/75

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: 307.680+/-0.055 χ^2/NDF:1123498.6/19

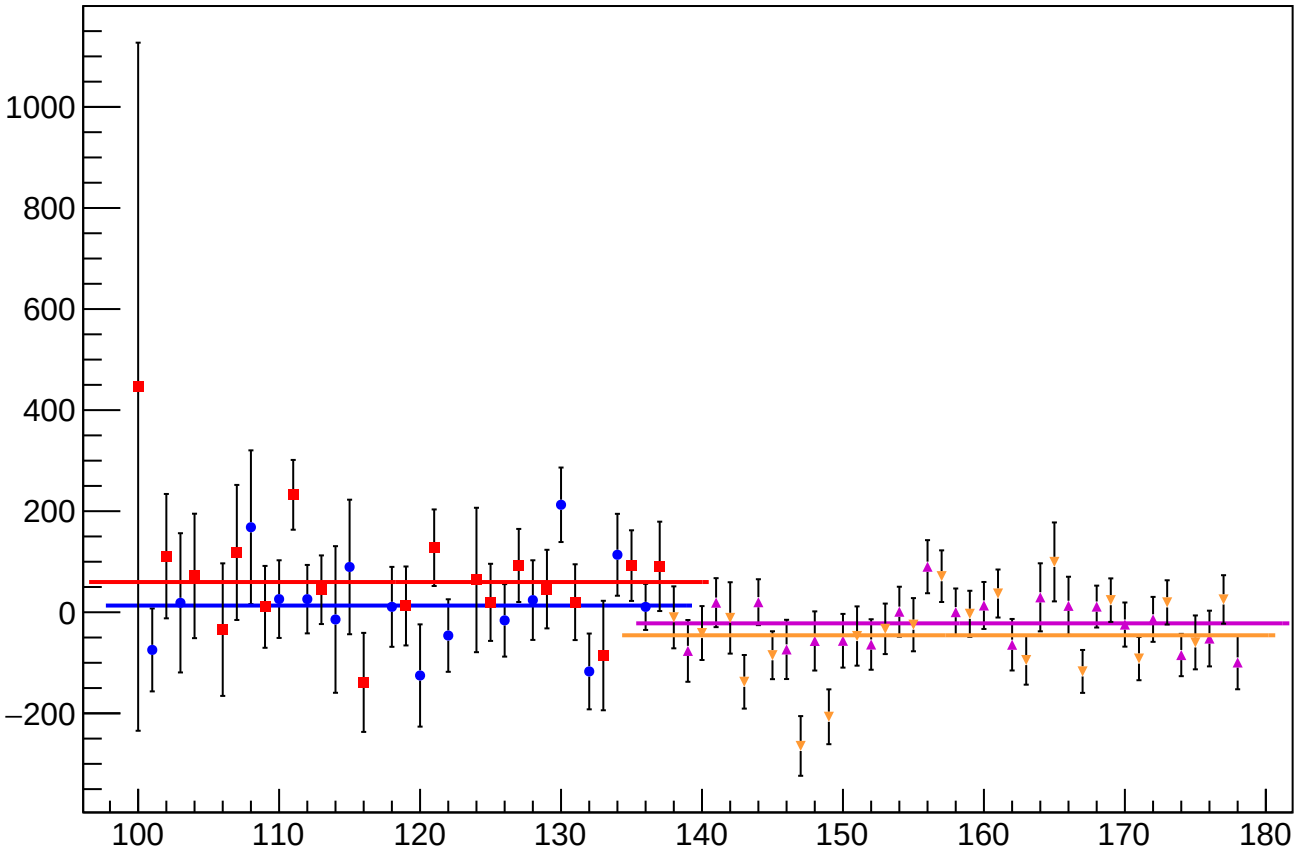
Left: 308.331+/-0.039 χ^2/NDF: 2496302.1/40

Right: 462.030+/-0.089 χ^2/NDF: 2069762.6/34

In: 332.722+/-0.051 χ^2/NDF:3433475.7/35

Out: 333.467+/-0.050 χ^2/NDF:3658602.4/39

All: 333.098+/-0.036 χ^2/NDF: 7092188.1/75



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: -21.942+/-11.193 χ^2/NDF:17.2/19

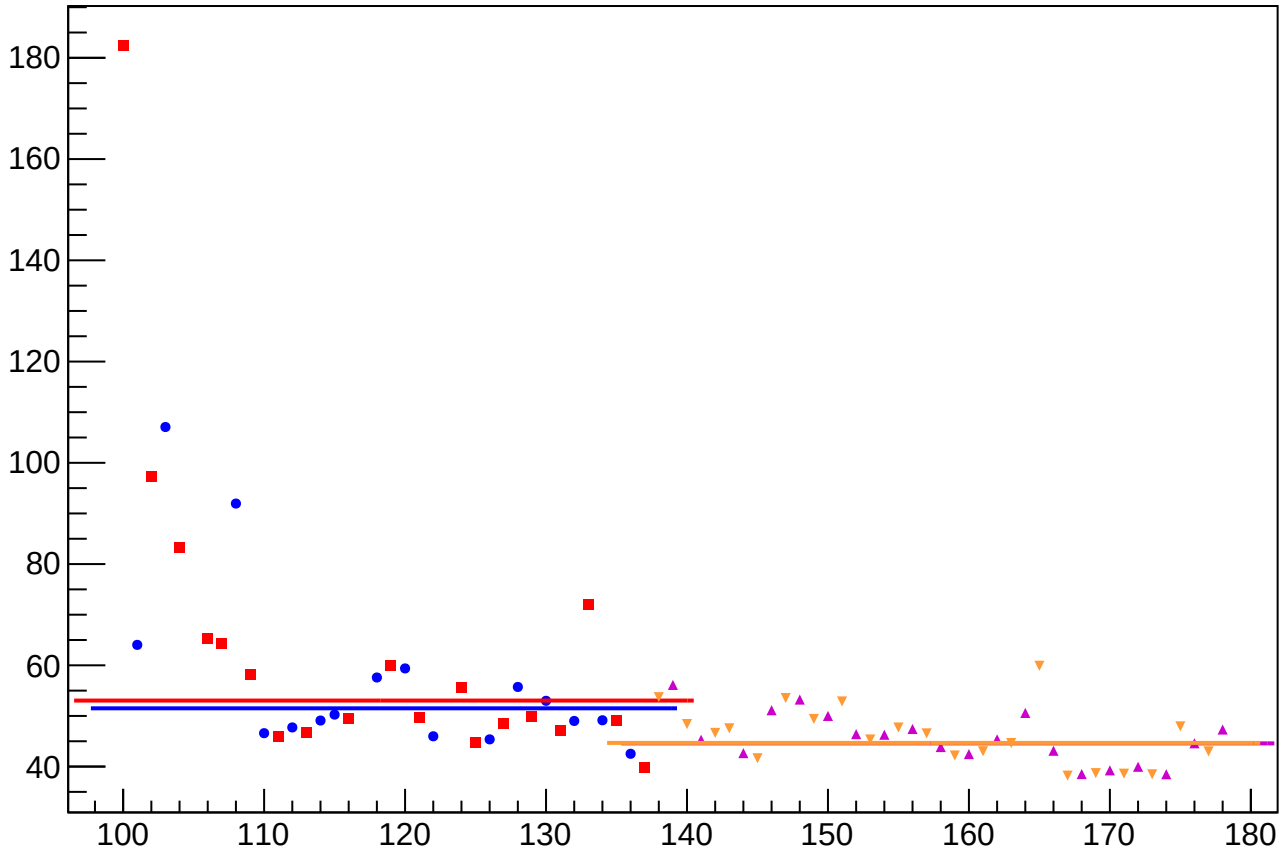
Left: -33.865+/-7.876 χ^2/NDF: 71.2/40

Right: 36.092+/-14.170 χ^2/NDF: 36.0/34

In: -13.448+/-9.749 χ^2/NDF:36.8/35

Out: -21.234+/-9.722 χ^2/NDF:88.7/39

All: -17.352+/-6.884 χ^2/NDF: 125.8/75



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: 44.581+/-0.008 χ^2/NDF:340008.3/19

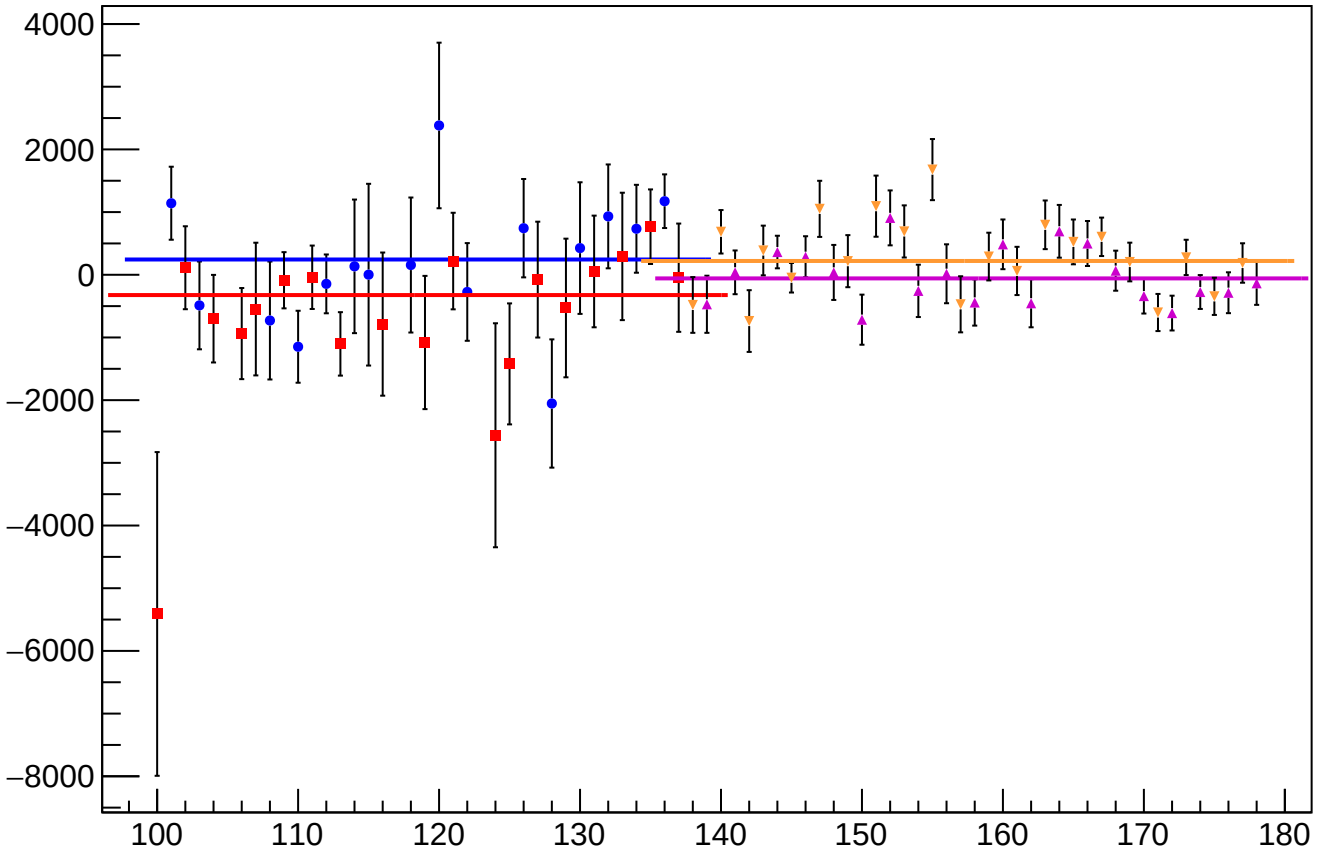
Left: 44.629+/-0.006 χ^2/NDF: 777409.7/40

Right: 52.257+/-0.010 χ^2/NDF: 1385824.6/34

In: 46.252+/-0.007 χ^2/NDF:1191736.2/35

Out: 46.606+/-0.007 χ^2/NDF:1413002.1/39

All: 46.429+/-0.005 χ^2/NDF: 2606058.3/75



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: -57.893+/-77.800 χ^2/NDF:28.5/19

Left: 81.754+/-54.899 χ^2/NDF: 79.8/40

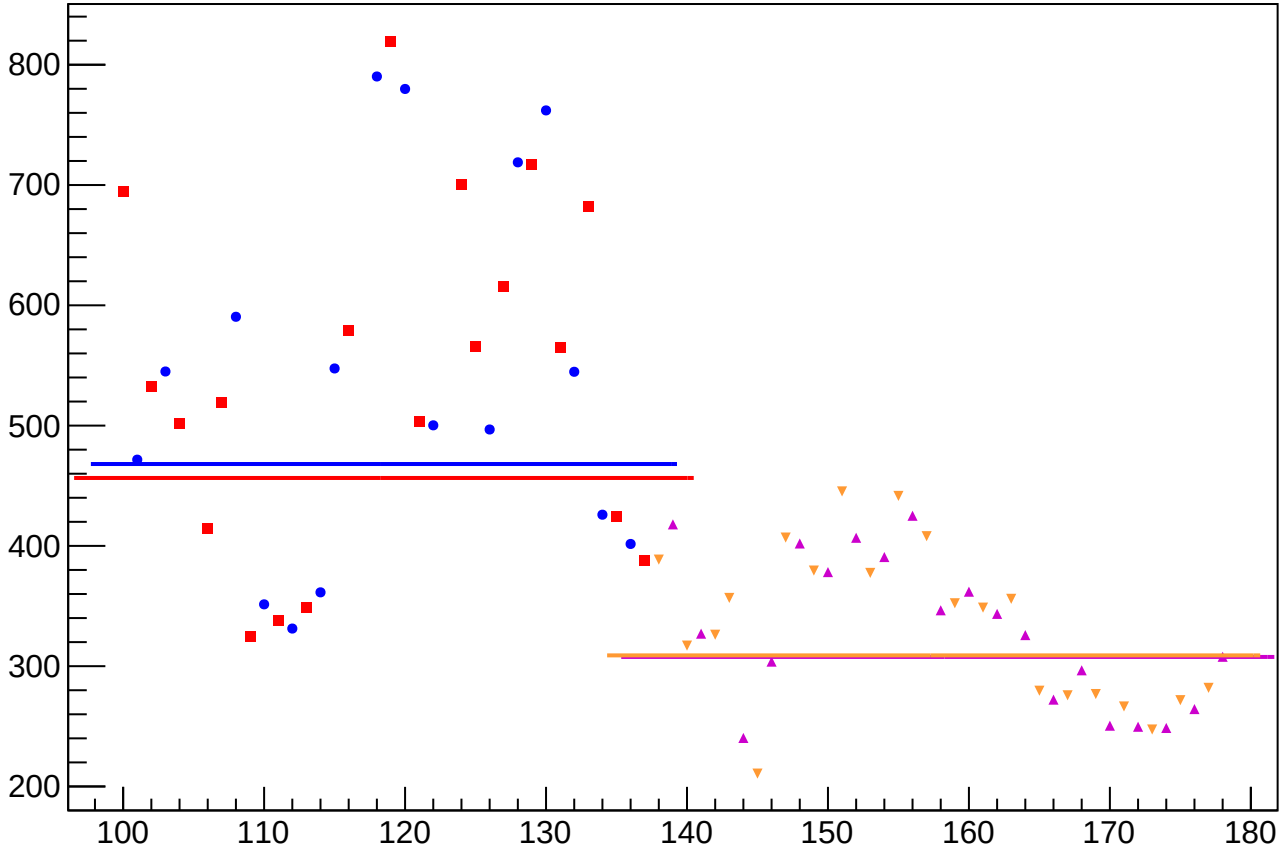
Right: -51.485+/-125.257 χ^2/NDF: 47.2/34

In: -10.785+/-71.469 χ^2/NDF:56.4/35

Out: 129.938+/-70.755 χ^2/NDF:69.6/39

All: 60.284+/-50.282 χ^2/NDF: 127.9/75

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: 307.681+/-0.055 χ^2/NDF:1123491.9/19

Left: 308.331+/-0.039 χ^2/NDF: 2496292.2/40

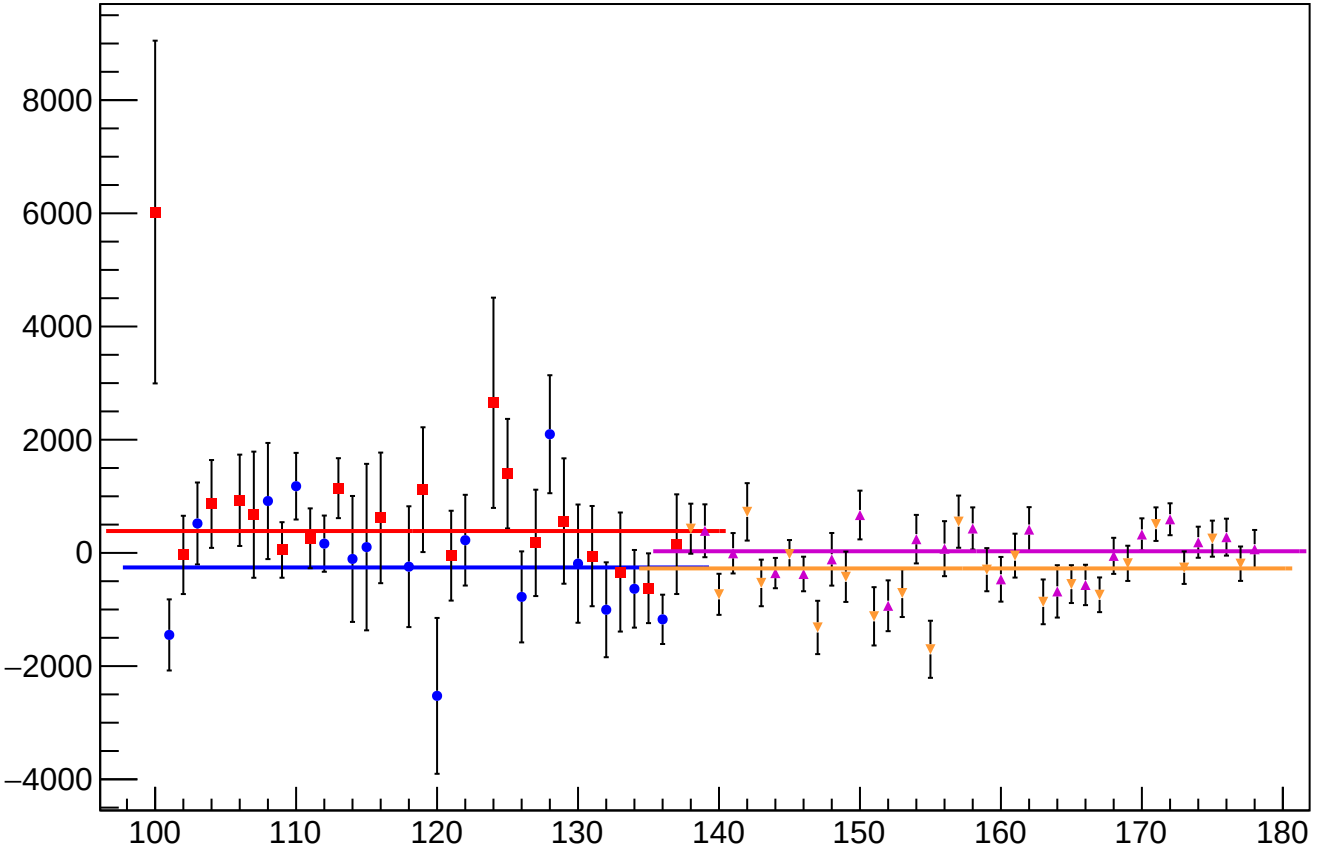
Right: 462.029+/-0.089 χ^2/NDF: 2069760.5/34

In: 332.722+/-0.051 χ^2/NDF:3433452.7/35

Out: 333.468+/-0.050 χ^2/NDF:3658583.1/39

All: 333.099+/-0.036 χ^2/NDF: 7092145.8/75

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: 29.183+/-78.981 χ^2/NDF:26.5/19

Left: -122.472+/-55.854 χ^2/NDF: 78.7/40

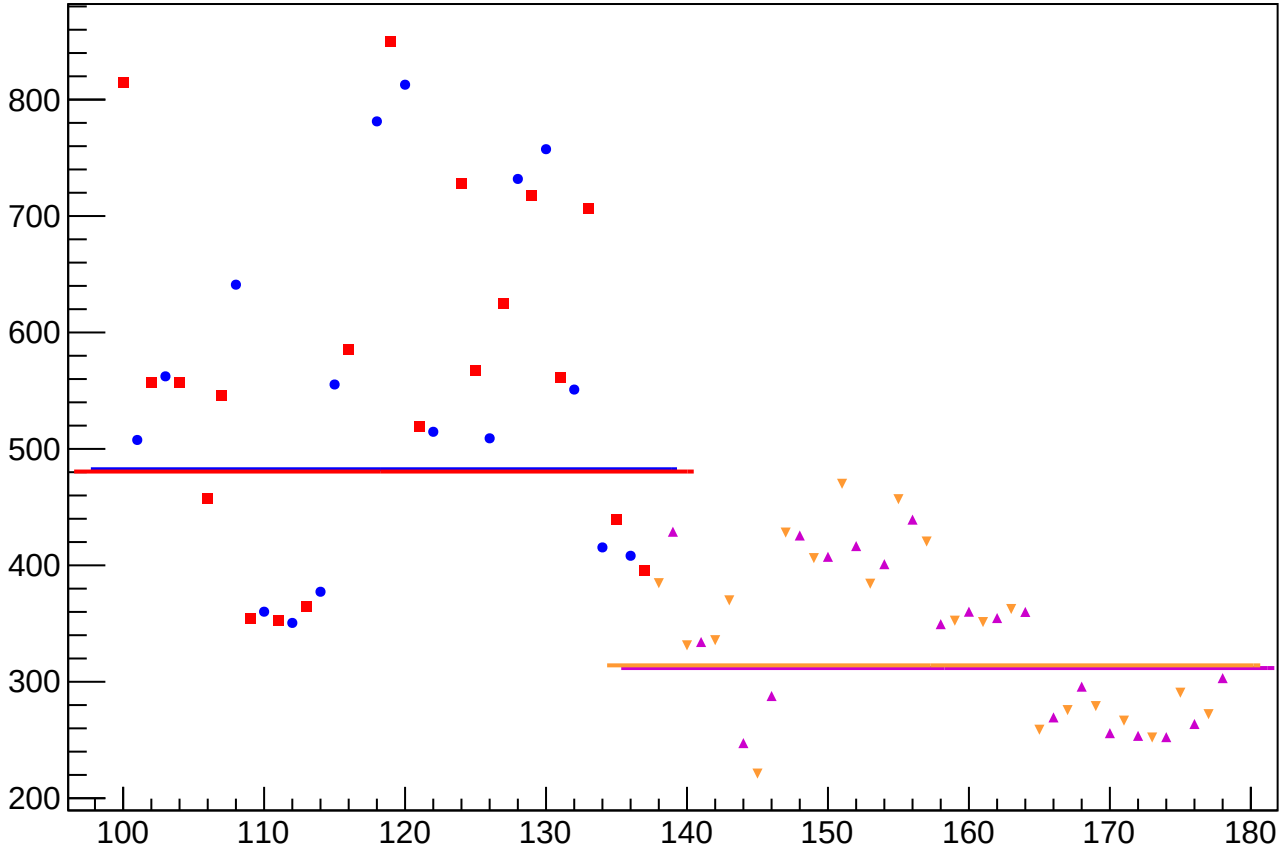
Right: 71.997+/-130.375 χ^2/NDF: 47.2/34

In: -14.314+/-72.726 χ^2/NDF:55.4/35

Out: -169.806+/-72.488 χ^2/NDF:70.1/39

All: -92.315+/-51.341 χ^2/NDF: 127.8/75

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: 311.791+/-0.056 χ^2/NDF:1242548.7/19

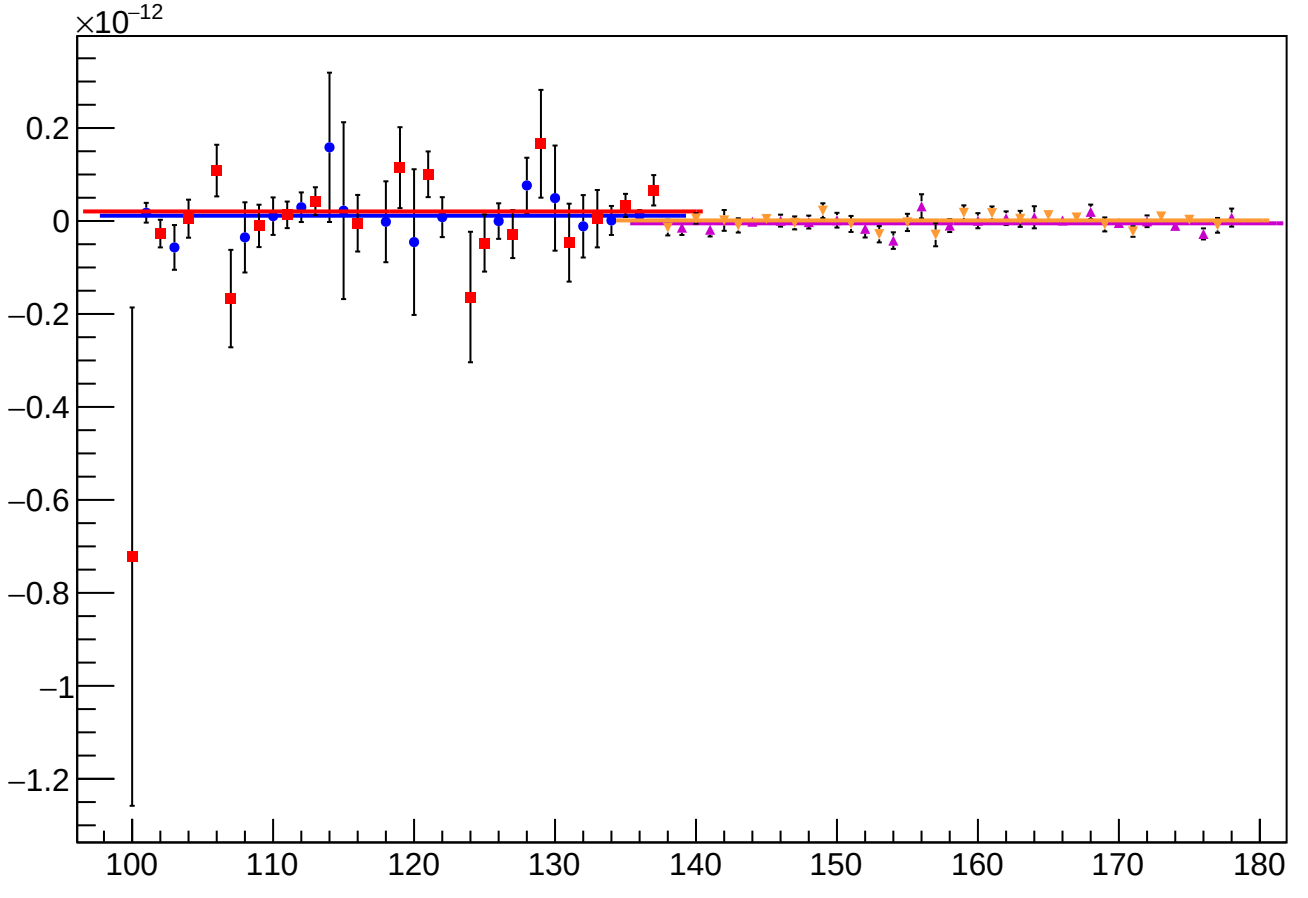
Left: 312.947+/-0.039 χ^2/NDF: 2699627.0/40

Right: 481.514+/-0.092 χ^2/NDF: 1940434.6/34

In: 337.762+/-0.051 χ^2/NDF:3610613.8/35

Out: 340.404+/-0.051 χ^2/NDF:3853043.7/39

All: 339.087+/-0.036 χ^2/NDF: 7464981.4/75



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:16.9/19

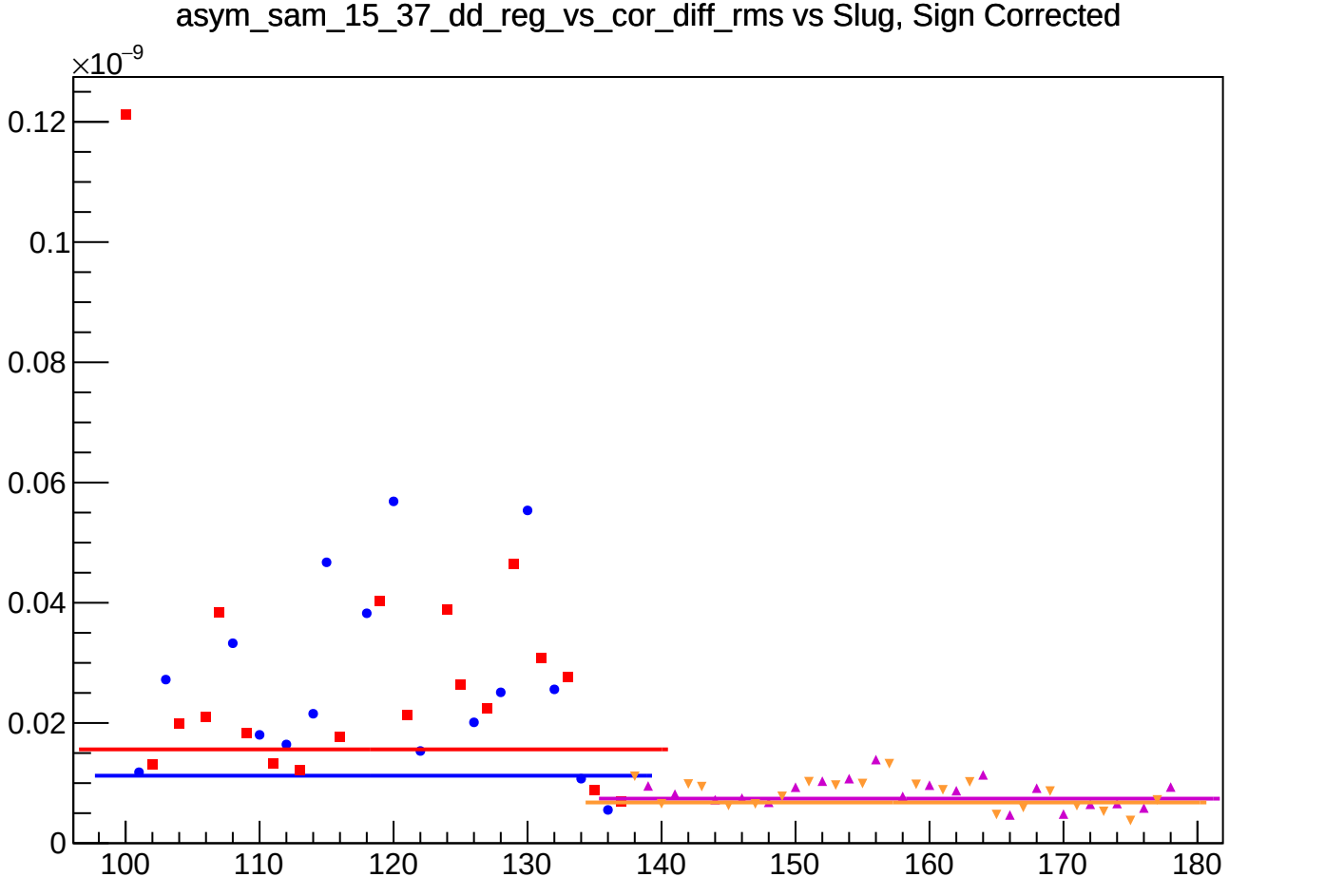
Left: -0.000+/-0.000 χ^2/NDF: 37.0/40

Right: 0.000+/-0.000 χ^2/NDF: 29.7/34

In: -0.000+/-0.000 χ^2/NDF:26.0/35

Out: 0.000+/-0.000 χ^2/NDF:44.8/39

All: -0.000+/-0.000 χ^2/NDF: 72.8/75



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:823557.4/19

Left: 0.000+/-0.000 χ^2/NDF: 2198559.2/40

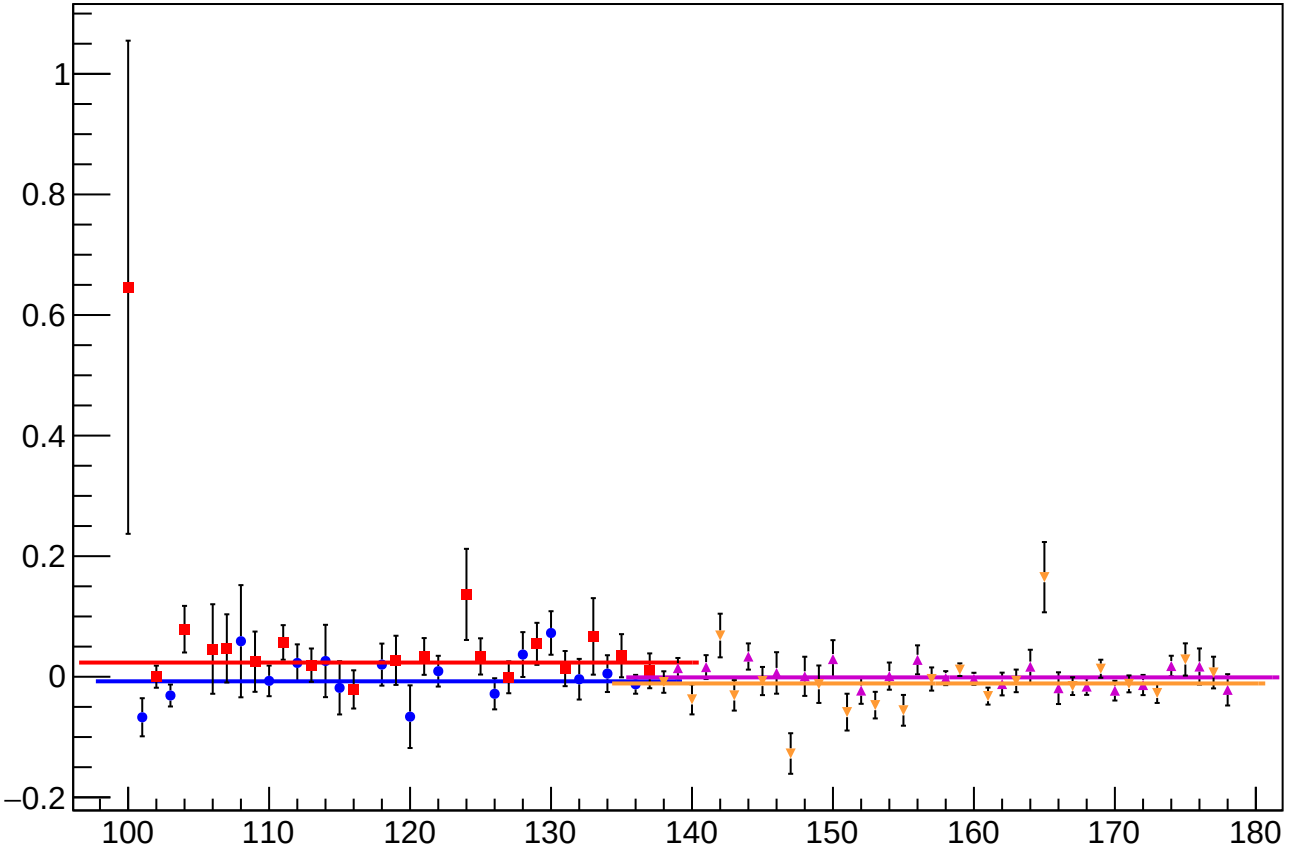
Right: 0.000+/-0.000 χ^2/NDF: 3514192.9/34

In: 0.000+/-0.000 χ^2/NDF:3324224.9/35

Out: 0.000+/-0.000 χ^2/NDF:3892568.1/39

All: 0.000+/-0.000 χ^2/NDF: 7250968.7/75

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: -0.001+/-0.004 χ^2/NDF:14.6/19

Left: -0.006+/-0.003 χ^2/NDF: 66.9/40

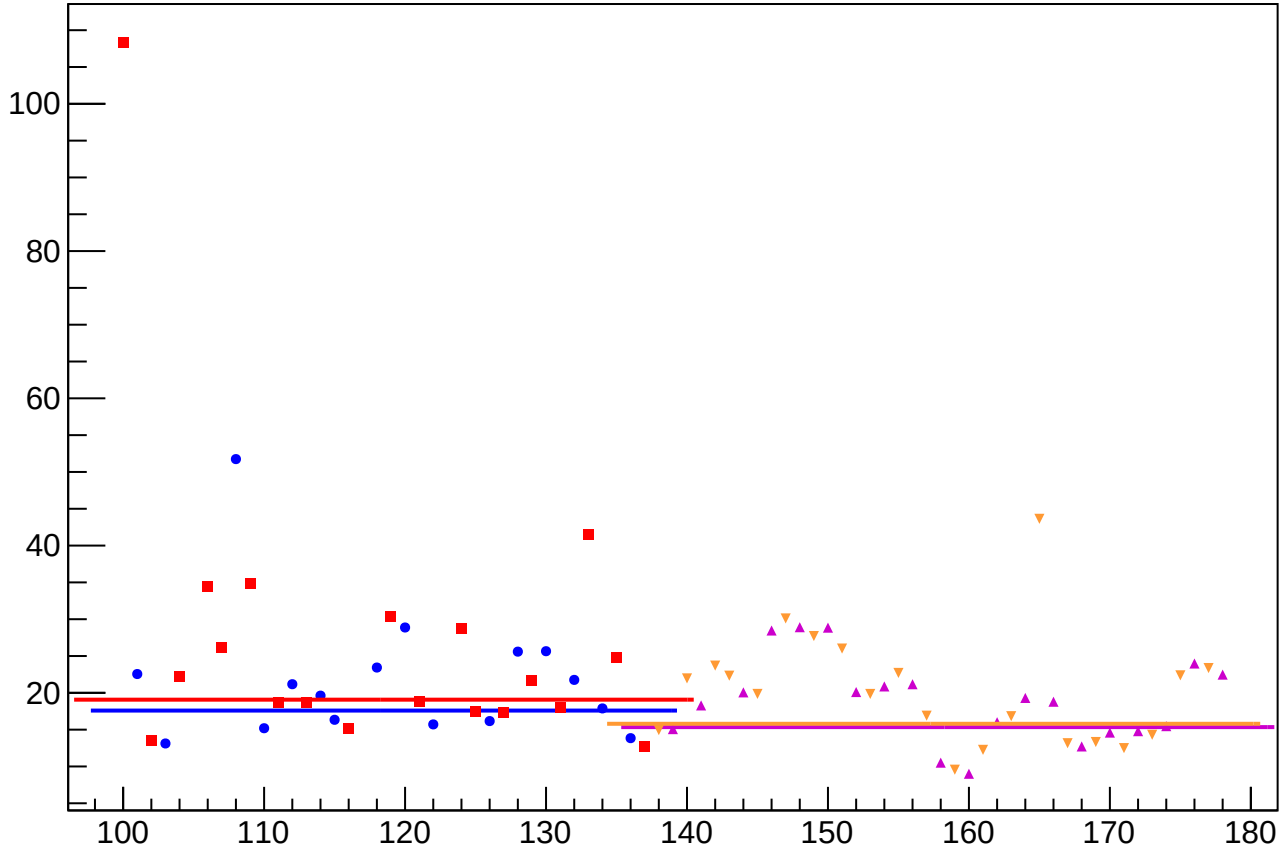
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.003+/-0.004 χ^2/NDF:32.0/35

Out: -0.003+/-0.004 χ^2/NDF:79.5/39

All: -0.003+/-0.003 χ^2/NDF: 111.5/75

asym_sam_15_37_dd_dit_vs_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: 15.345+/-0.003 χ^2/NDF:3099854.4/19

Left: 15.566+/-0.002 χ^2/NDF: 6459704.4/40

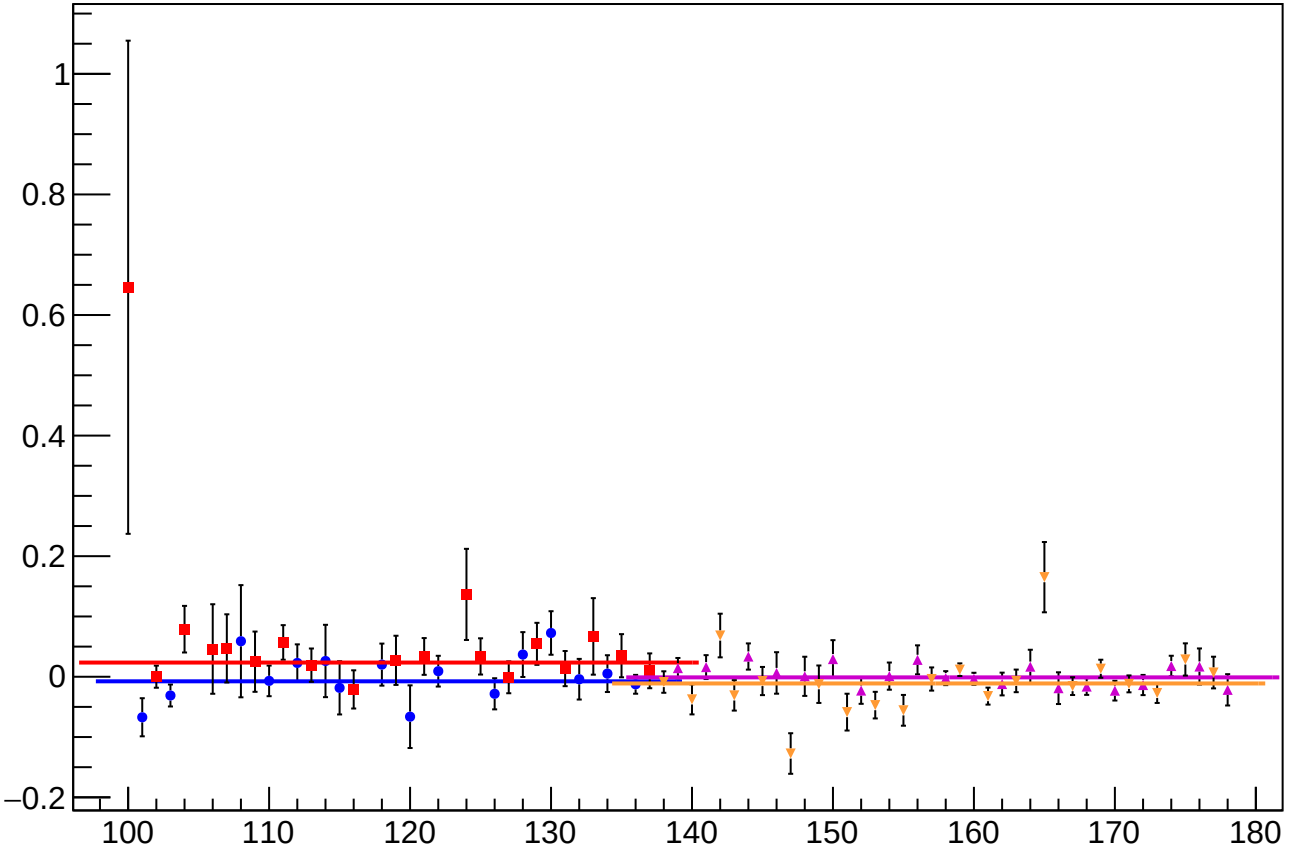
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 15.903+/-0.003 χ^2/NDF:4239395.4/35

Out: 16.546+/-0.003 χ^2/NDF:4872082.4/39

All: 16.215+/-0.002 χ^2/NDF: 9142552.9/75

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.011+/-0.004 χ^2/NDF:49.4/20

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.001+/-0.004 χ^2/NDF:14.6/19

Left: -0.006+/-0.003 χ^2/NDF: 66.9/40

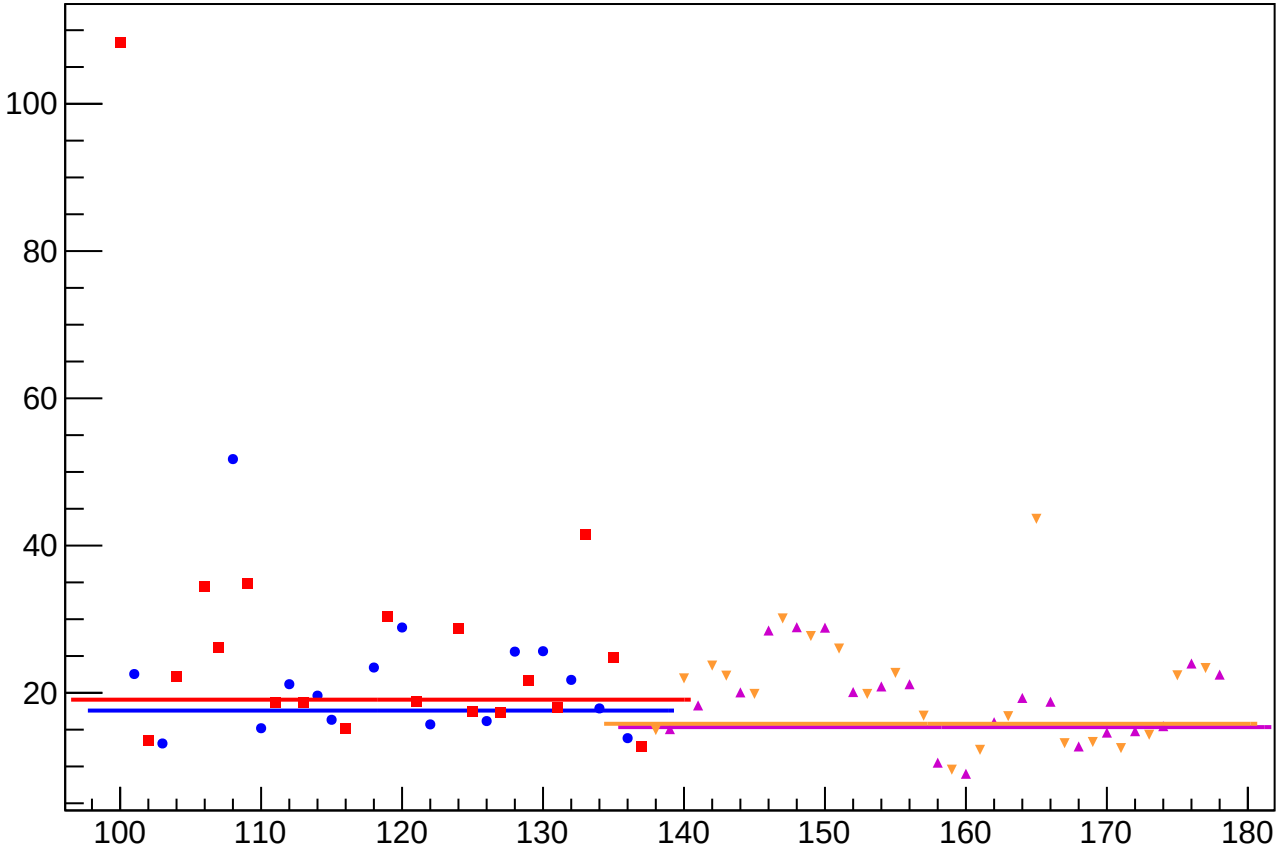
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.003+/-0.004 χ^2/NDF:32.0/35

Out: -0.003+/-0.004 χ^2/NDF:79.5/39

All: -0.003+/-0.003 χ^2/NDF: 111.5/75

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: 15.345+/-0.003 χ^2/NDF:3099854.4/19

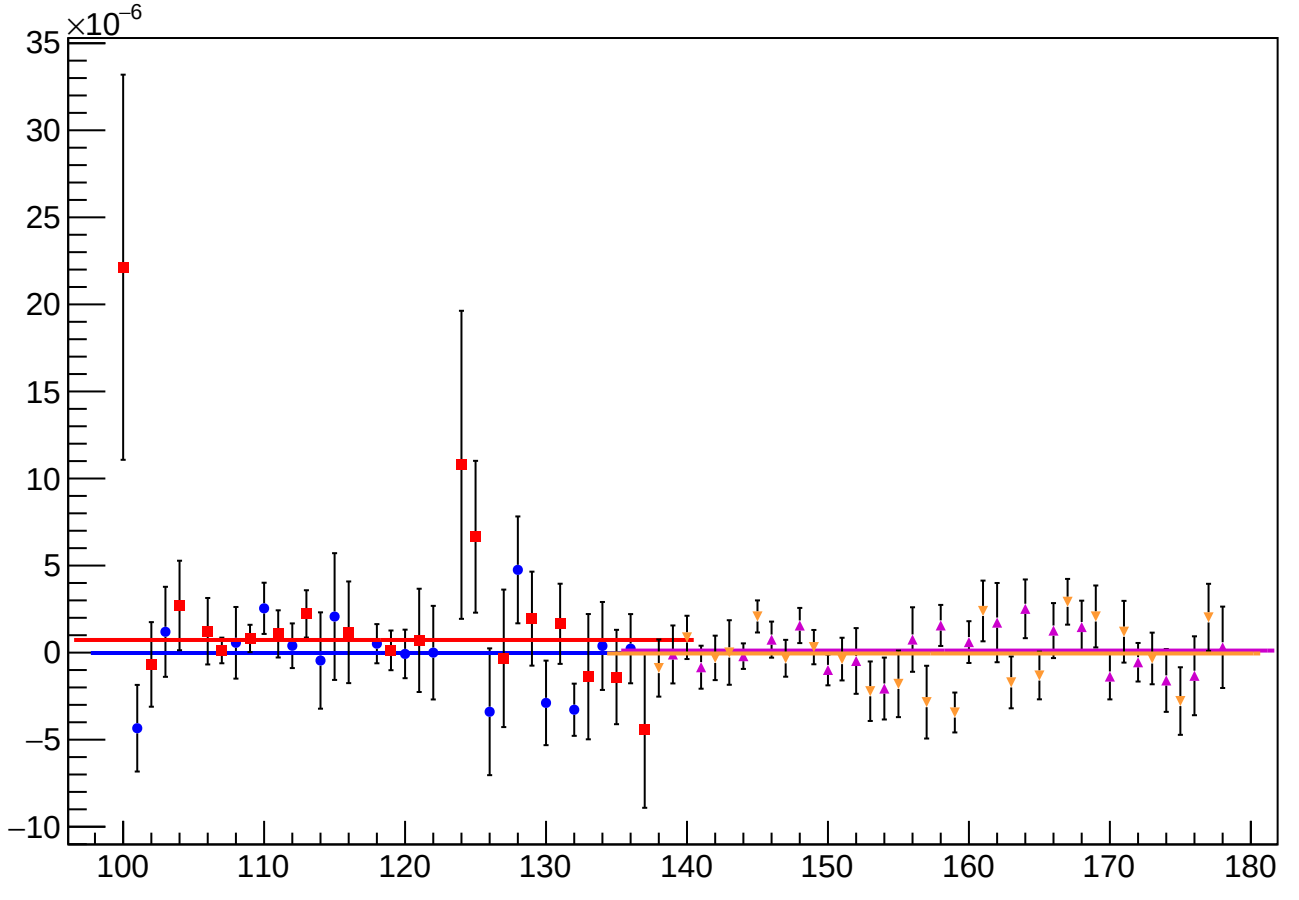
Left: 15.566+/-0.002 χ^2/NDF: 6459704.4/40

Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 15.903+/-0.003 χ^2/NDF:4239395.4/35

Out: 16.546+/-0.003 χ^2/NDF:4872082.4/39

All: 16.215+/-0.002 χ^2/NDF: 9142552.9/75



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:15.0/19

Left: 0.000+/-0.000 χ^2/NDF: 48.9/40

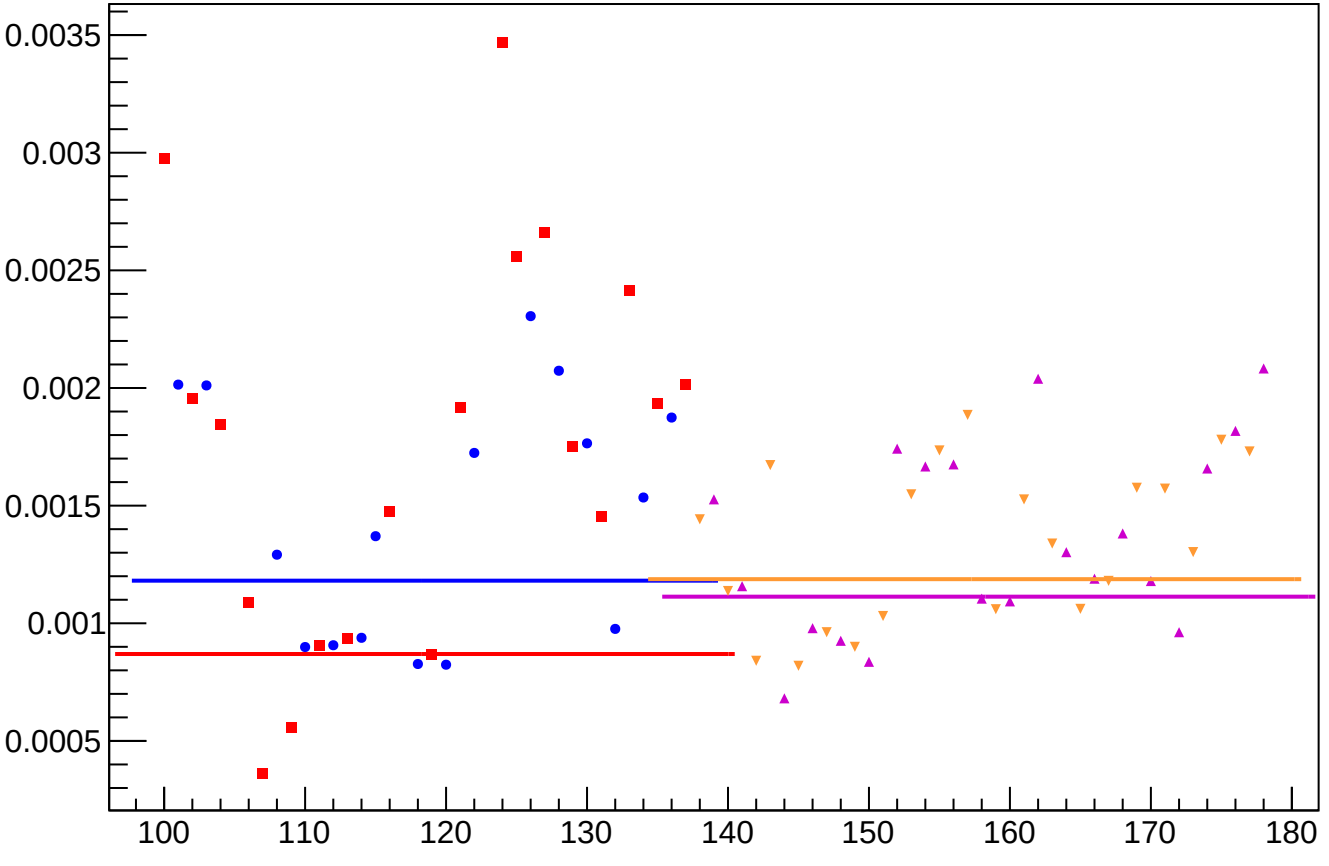
Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: 0.000+/-0.000 χ^2/NDF:31.5/35

Out: 0.000+/-0.000 χ^2/NDF:49.1/39

All: 0.000+/-0.000 χ^2/NDF: 80.9/75

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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:2904790.9/19

Left: 0.001+/-0.000 χ^2/NDF: 5077084.8/40

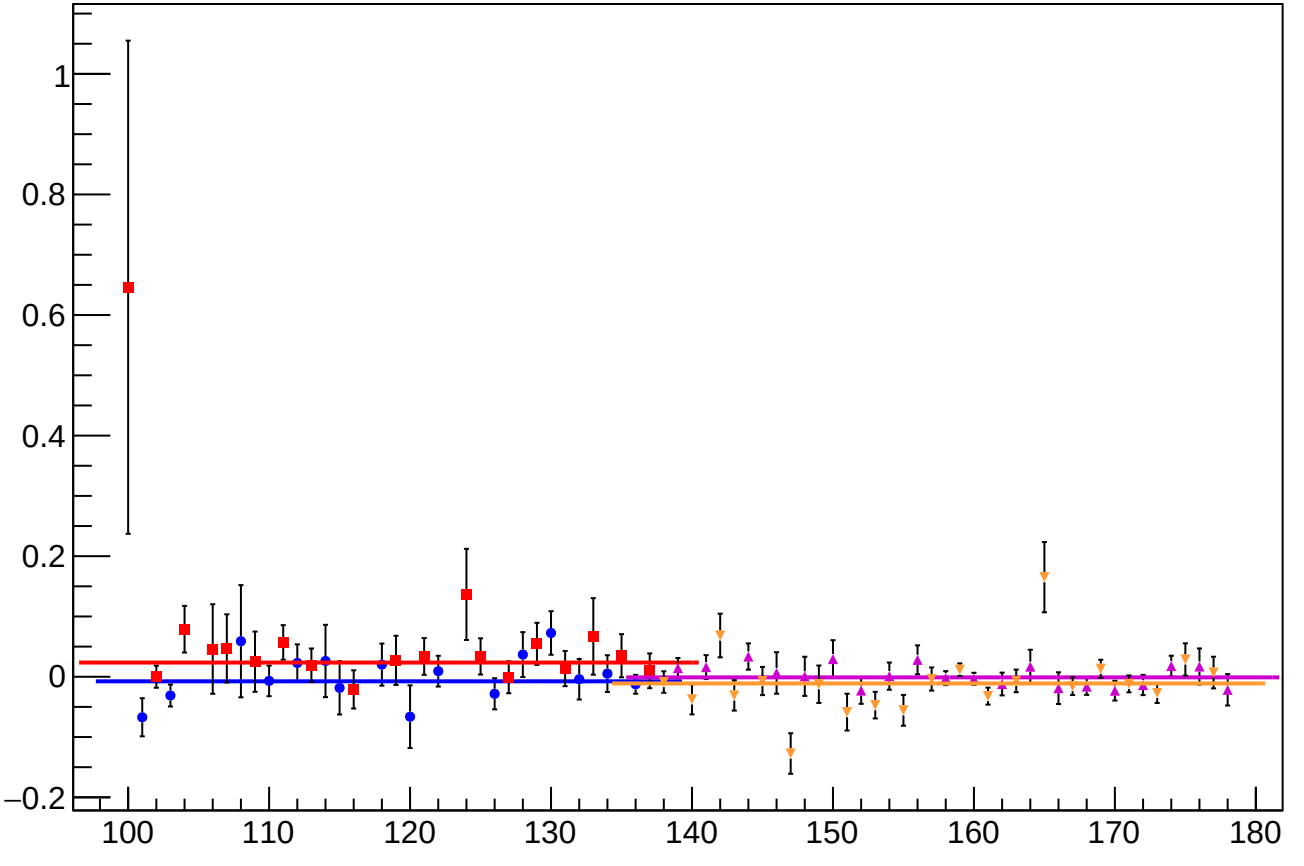
Right: 0.001+/-0.000 χ^2/NDF: 6790405.1/34

In: 0.001+/-0.000 χ^2/NDF:4763095.0/35

Out: 0.001+/-0.000 χ^2/NDF:7396127.0/39

All: 0.001+/-0.000 χ^2/NDF: 12237661.1/75

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: -0.001+/-0.004 χ^2/NDF:14.6/19

Left: -0.006+/-0.003 χ^2/NDF: 66.9/40

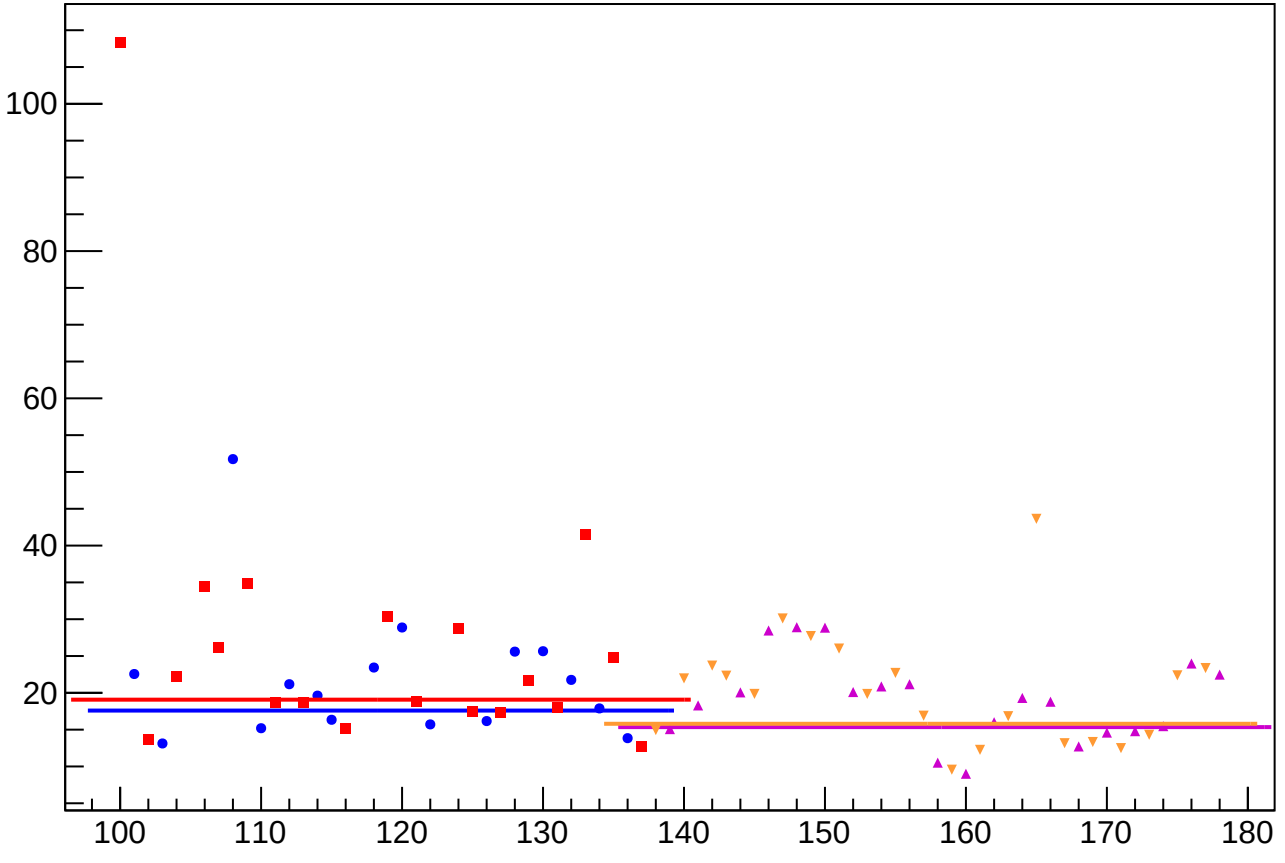
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.003+/-0.004 χ^2/NDF:32.0/35

Out: -0.003+/-0.004 χ^2/NDF:79.5/39

All: -0.003+/-0.003 χ^2/NDF: 111.5/75

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: 15.344+/-0.003 χ^2/NDF:3100174.4/19

Left: 15.566+/-0.002 χ^2/NDF: 6460278.9/40

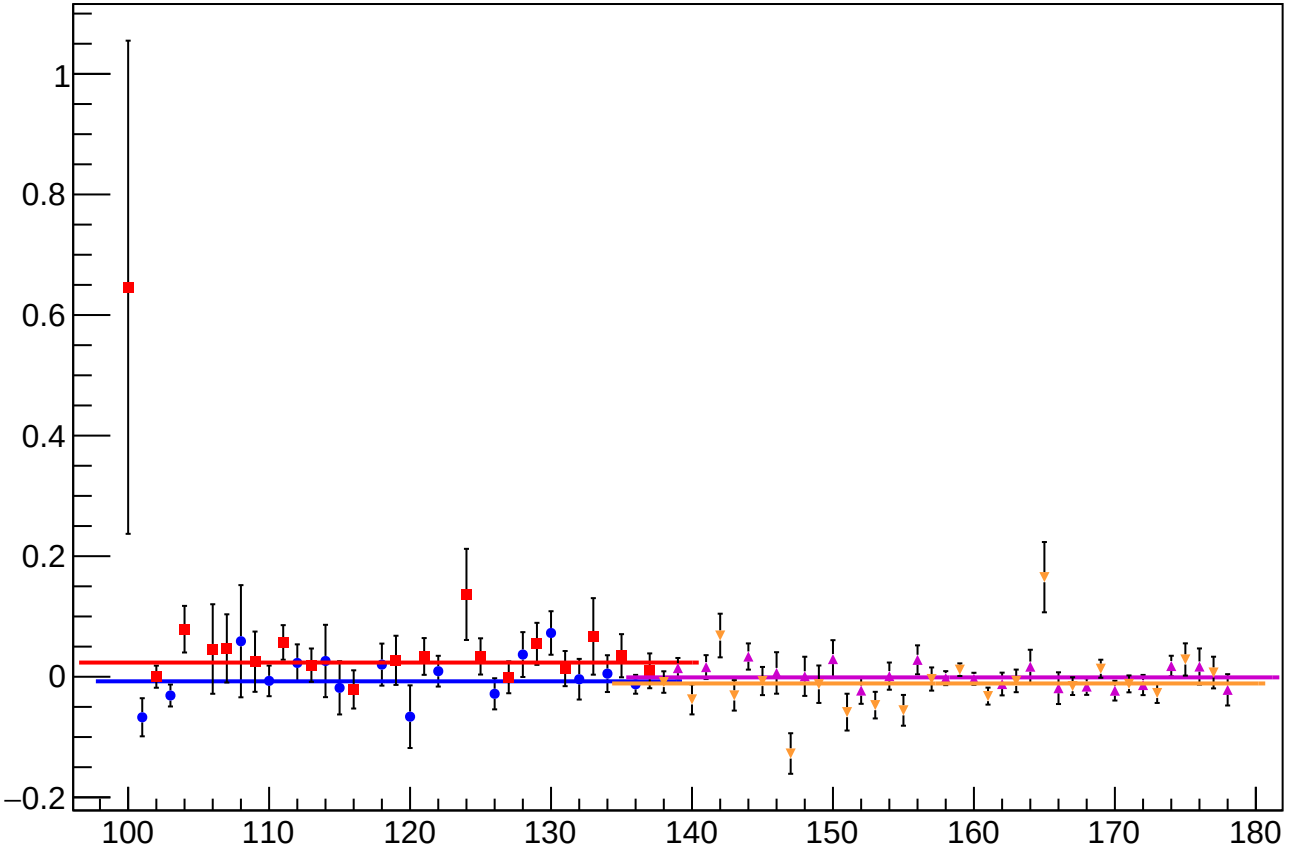
Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 15.903+/-0.003 χ^2/NDF:4239796.4/35

Out: 16.546+/-0.003 χ^2/NDF:4872343.2/39

All: 16.215+/-0.002 χ^2/NDF: 9143224.5/75

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: -0.001+/-0.004 χ^2/NDF:14.6/19

Left: -0.006+/-0.003 χ^2/NDF: 66.9/40

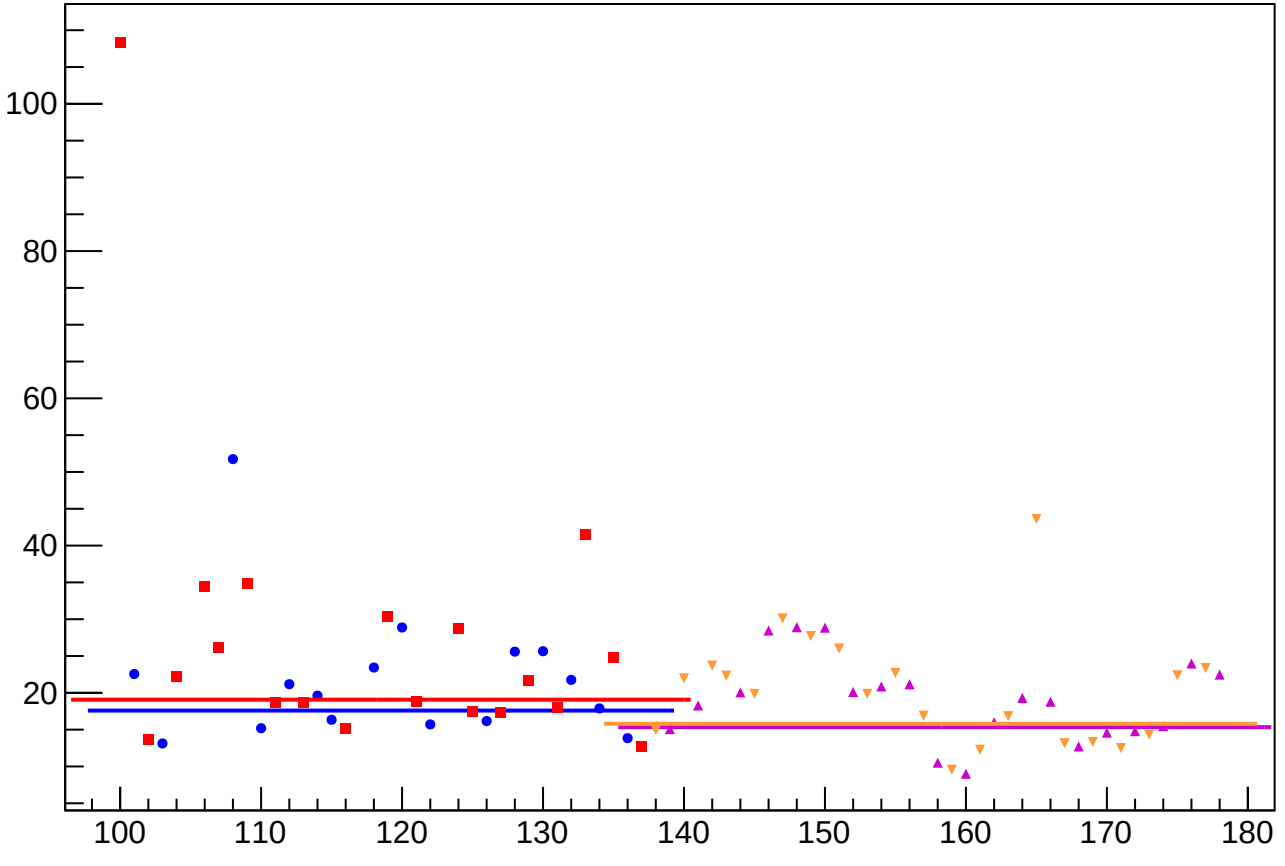
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.003+/-0.004 χ^2/NDF:32.0/35

Out: -0.003+/-0.004 χ^2/NDF:79.5/39

All: -0.003+/-0.003 χ^2/NDF: 111.5/75

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: 15.344+/-0.003 χ^2/NDF:3100174.4/19

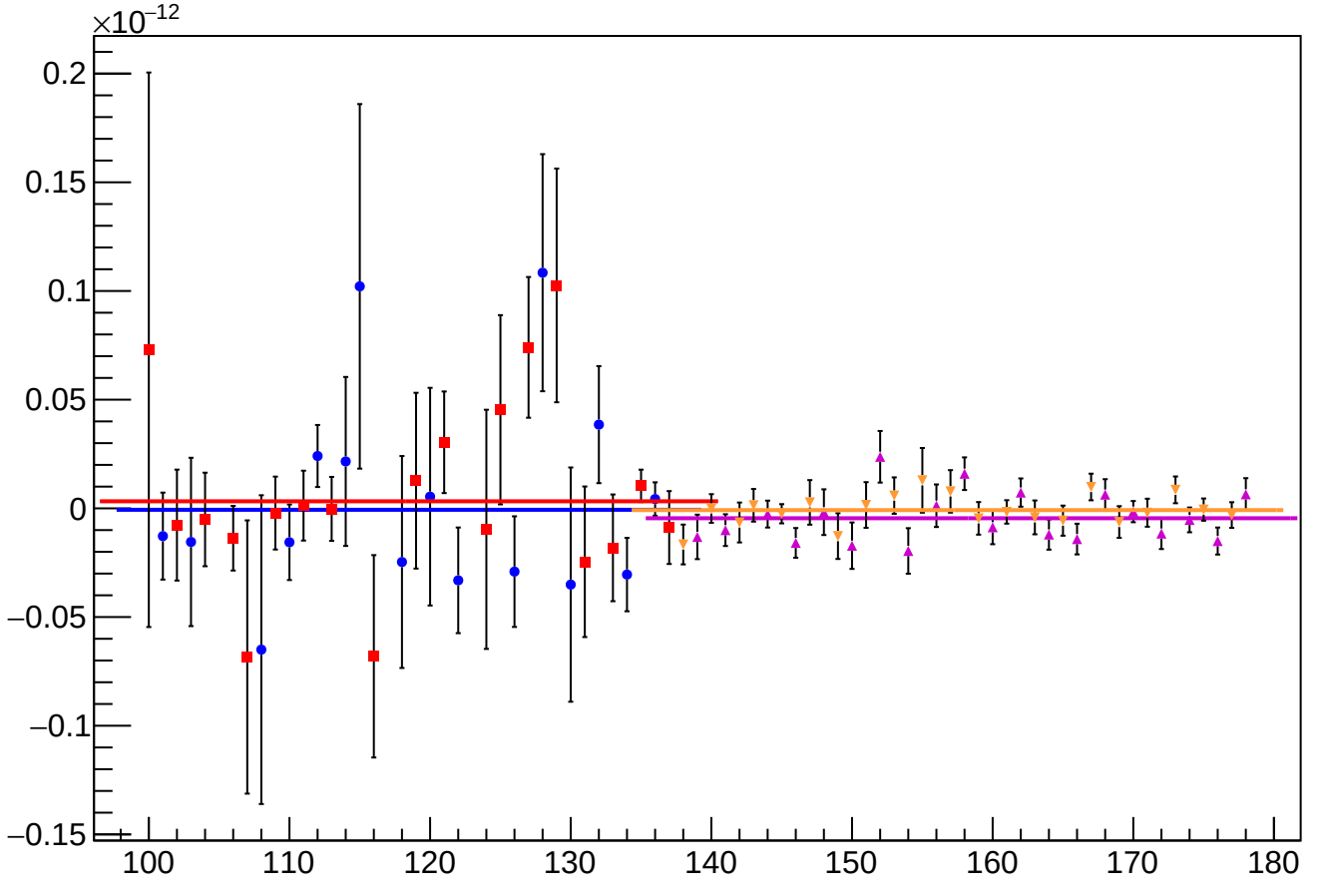
Left: 15.566+/-0.002 χ^2/NDF: 6460278.9/40

Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 15.903+/-0.003 χ^2/NDF:4239796.4/35

Out: 16.546+/-0.003 χ^2/NDF:4872343.2/39

All: 16.215+/-0.002 χ^2/NDF: 9143224.5/75



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:36.5/19

Left: -0.000+/-0.000 χ^2/NDF: 53.6/40

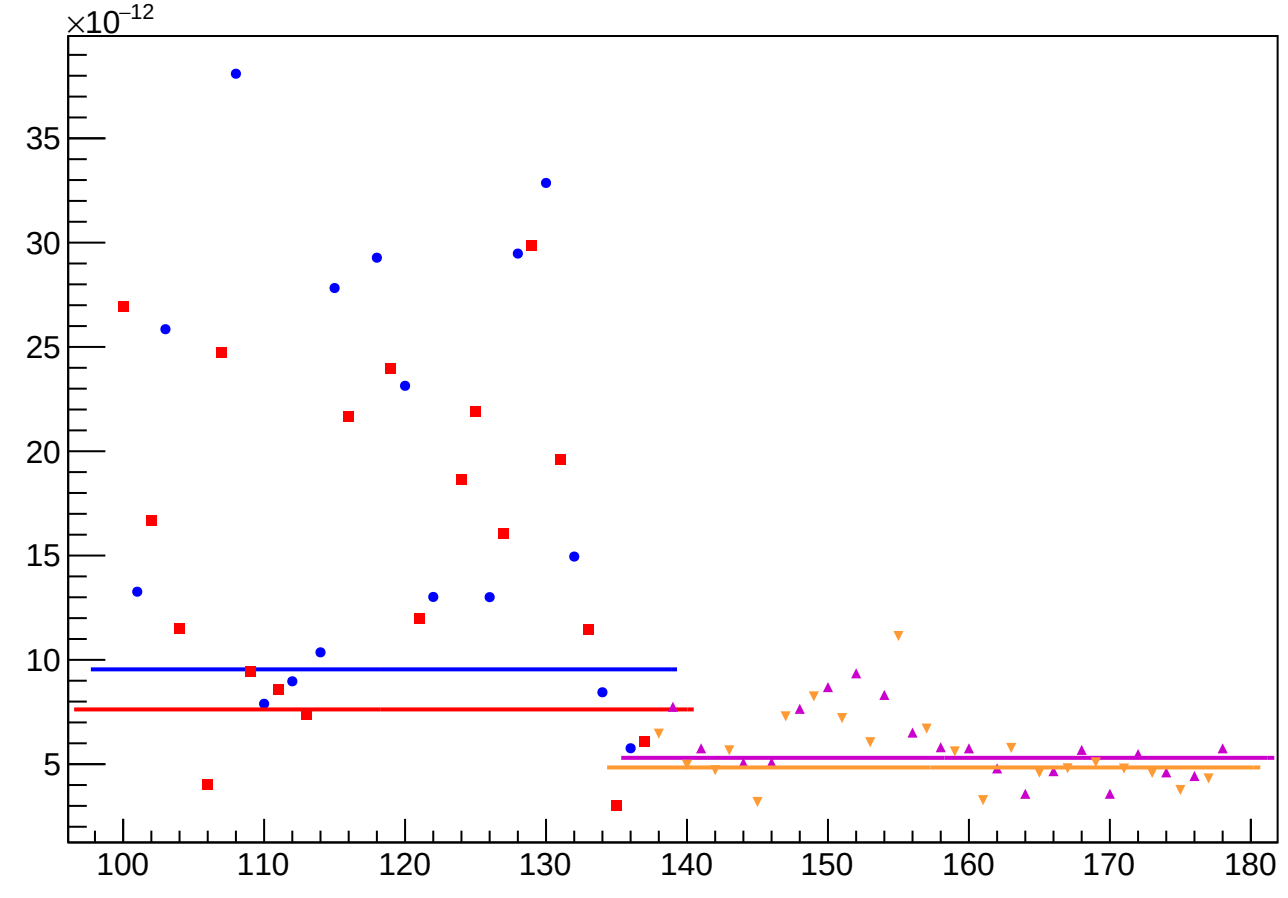
Right: 0.000+/-0.000 χ^2/NDF: 39.8/34

In: -0.000+/-0.000 χ^2/NDF:57.2/35

Out: -0.000+/-0.000 χ^2/NDF:34.3/39

All: -0.000+/-0.000 χ^2/NDF: 94.7/75

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:1357896.9/19

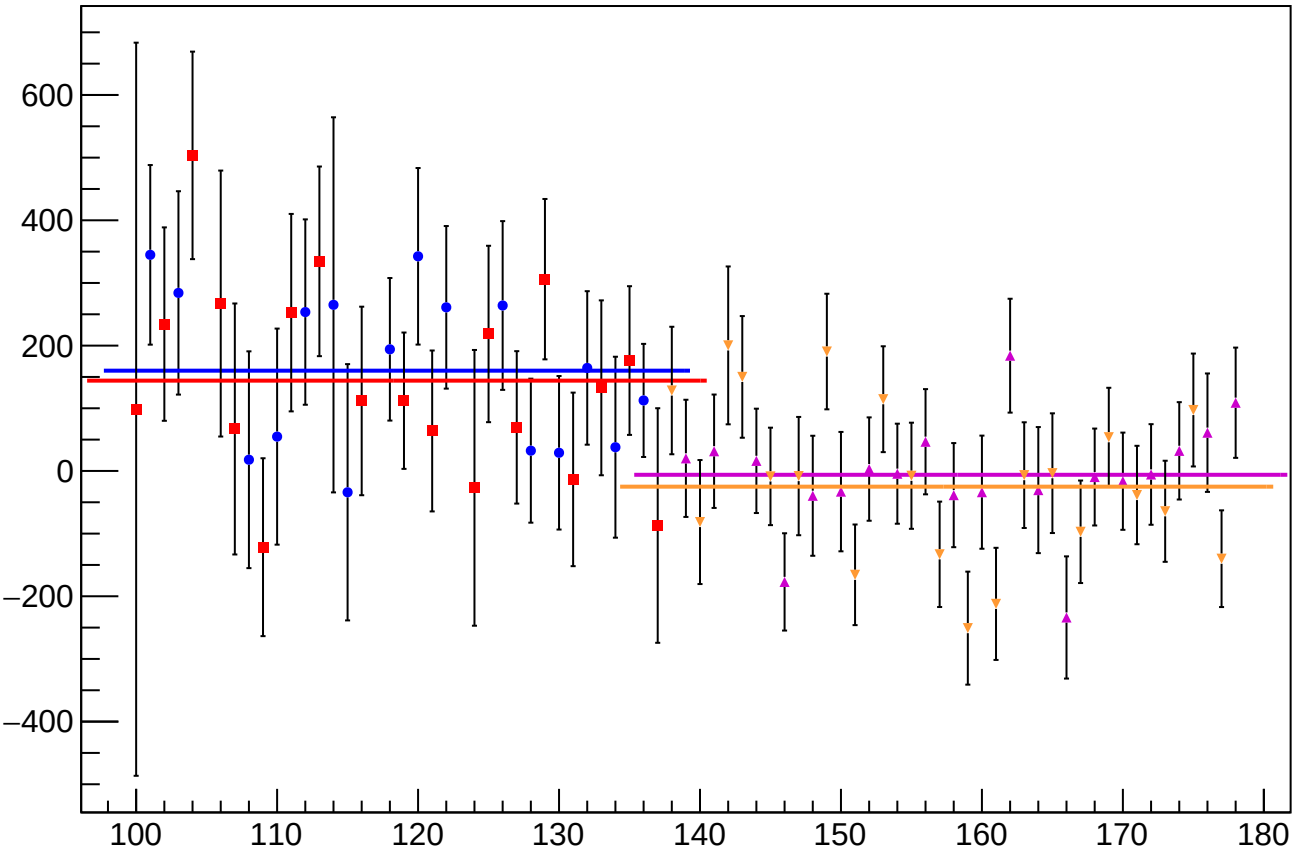
Left: 0.000+/-0.000 χ^2/NDF: 3042755.5/40

Right: 0.000+/-0.000 χ^2/NDF: 5879584.6/34

In: 0.000+/-0.000 χ^2/NDF:5259301.8/35

Out: 0.000+/-0.000 χ^2/NDF:5374571.0/39

All: 0.000+/-0.000 χ^2/NDF: 10777446.9/75



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: -6.149+/-19.245 χ^2/NDF:18.4/19

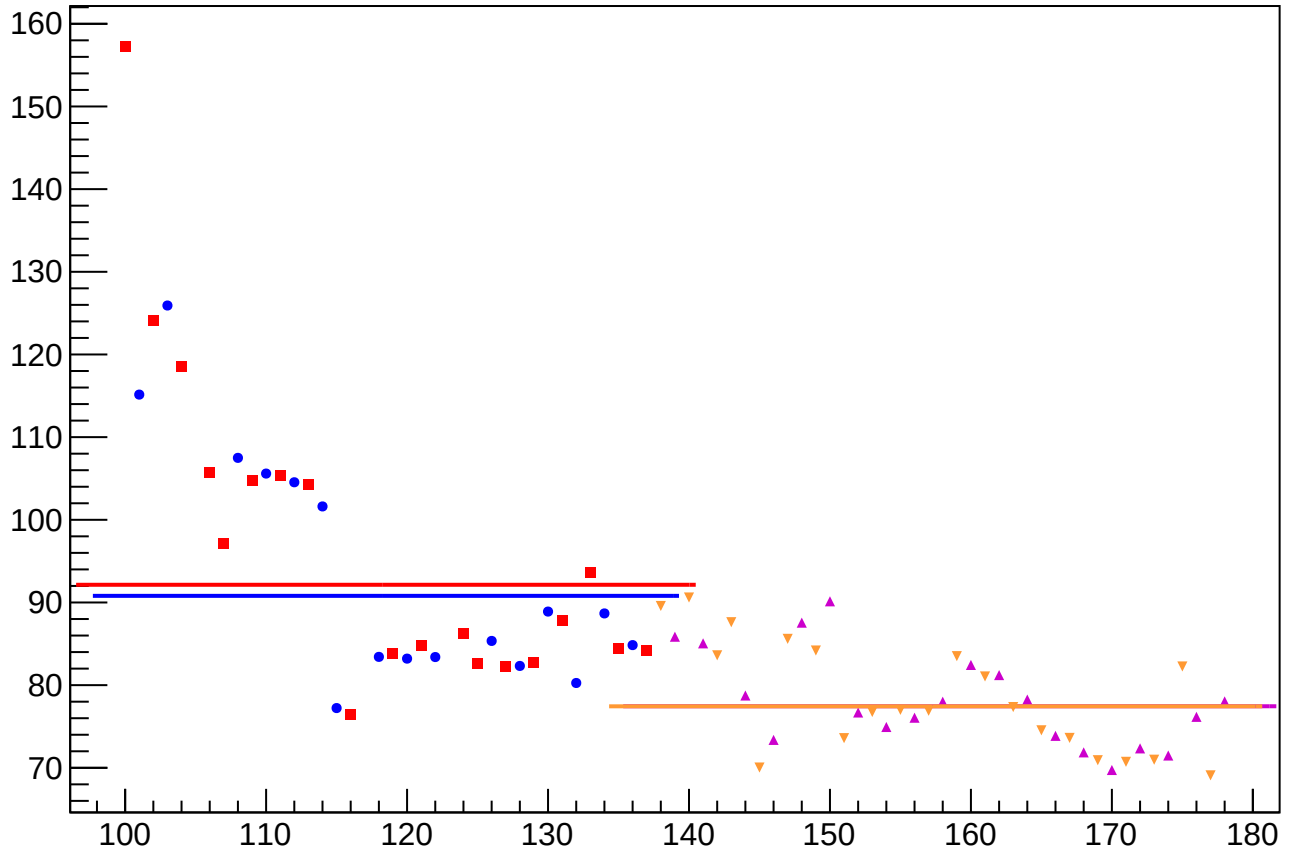
Left: -15.711+/-13.541 χ^2/NDF: 57.8/40

Right: 152.081+/-24.177 χ^2/NDF: 28.6/34

In: 33.870+/-16.769 χ^2/NDF:47.4/35

Out: 14.973+/-16.647 χ^2/NDF:75.0/39

All: 24.353+/-11.814 χ^2/NDF: 123.0/75



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: 77.447+/-0.014 χ^2/NDF:159763.4/19

Left: 77.443+/-0.010 χ^2/NDF: 387802.9/40

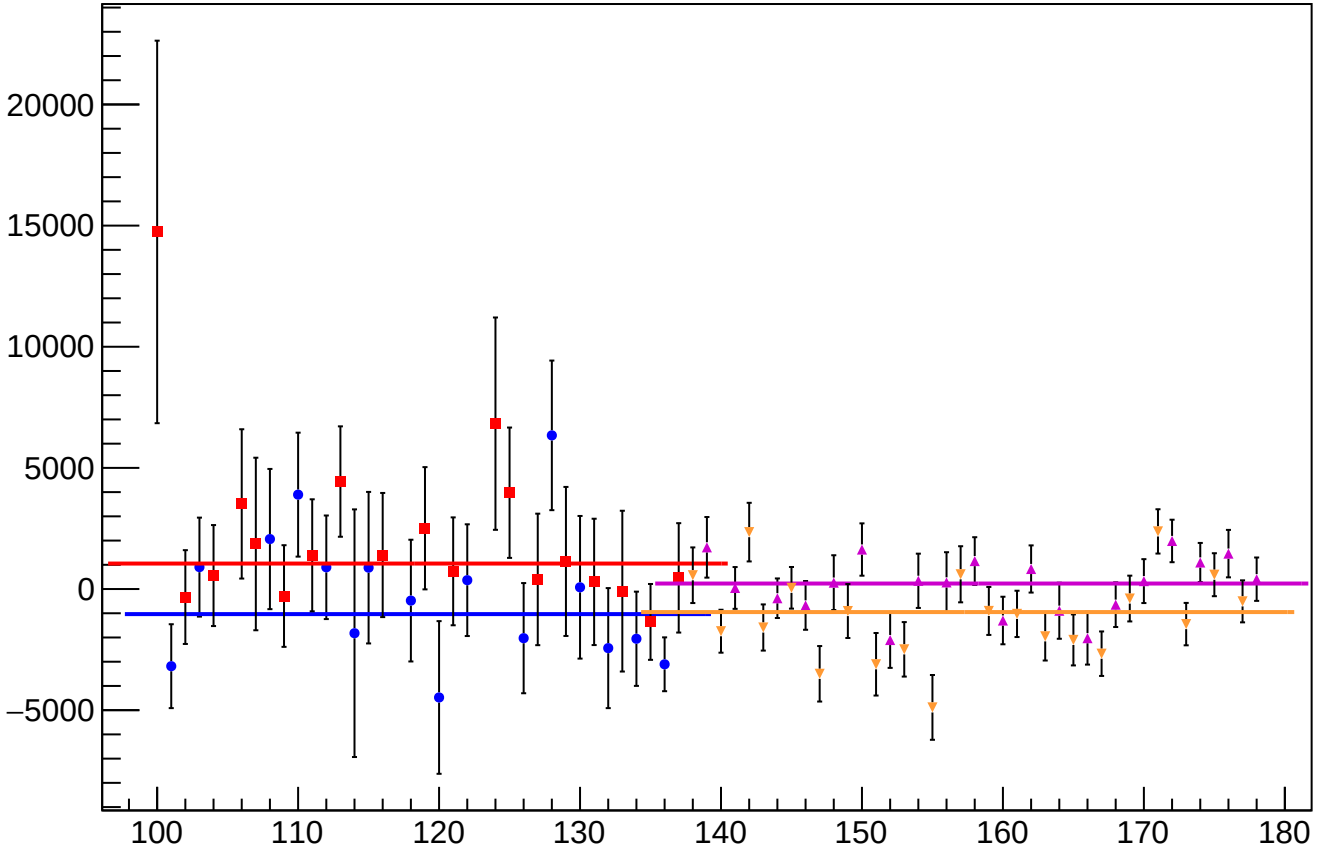
Right: 91.471+/-0.017 χ^2/NDF: 576322.1/34

In: 80.663+/-0.012 χ^2/NDF:664464.2/35

Out: 80.920+/-0.012 χ^2/NDF:811948.3/39

All: 80.792+/-0.008 χ^2/NDF: 1476649.0/75

asym_sam_24_68_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -950.906+/-218.916 χ^2/NDF:54.8/20

Right Out: 1051.517+/-568.935 χ^2/NDF: 12.9/18

Left In: 226.998+/-220.627 χ^2/NDF:25.2/19

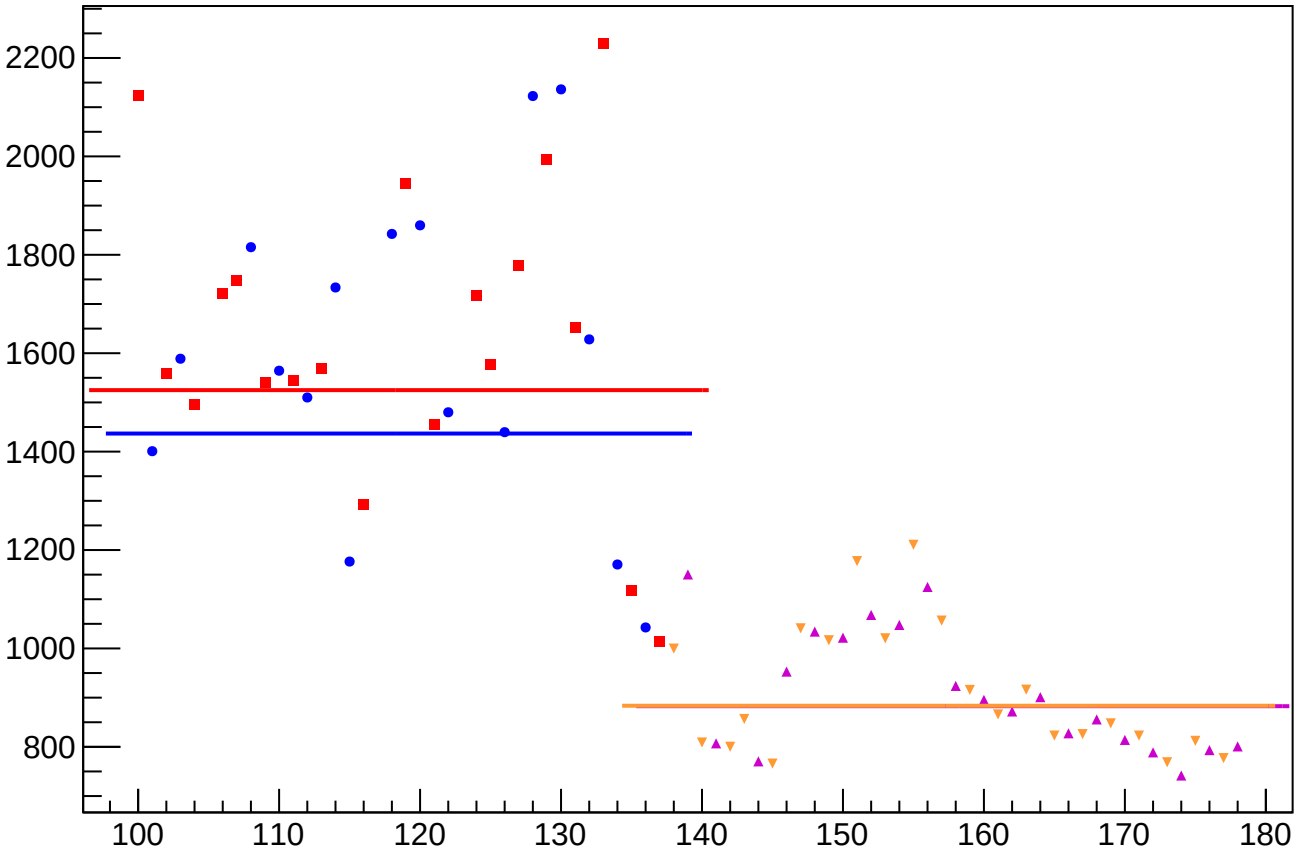
Left: -366.540+/-155.398 χ^2/NDF: 94.4/40

Right: -26.665+/-395.510 χ^2/NDF: 40.1/34

In: 52.182+/-204.777 χ^2/NDF:50.0/35

Out: -692.667+/-204.313 χ^2/NDF:78.5/39

All: -321.088+/-144.635 χ^2/NDF: 135.1/75



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: 882.635+/-0.156 χ^2/NDF:534894.2/19

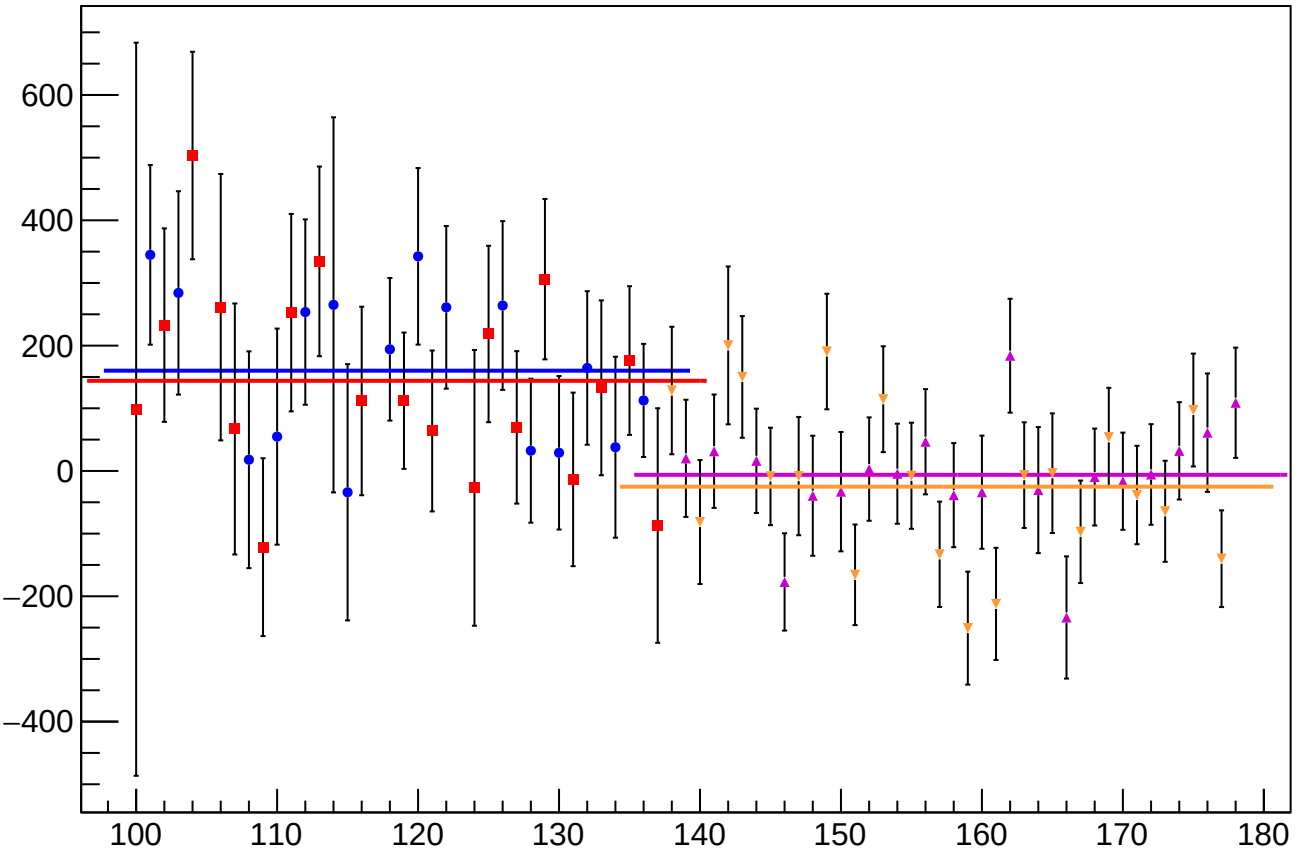
Left: 883.089+/-0.110 χ^2/NDF: 1090885.8/40

Right: 1479.369+/-0.280 χ^2/NDF: 1205085.6/34

In: 959.389+/-0.145 χ^2/NDF:2957990.3/35

Out: 966.256+/-0.144 χ^2/NDF:3274779.4/39

All: 962.830+/-0.102 χ^2/NDF: 6233897.0/75



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: -6.152+/-19.245 χ^2/NDF:18.4/19

Left: -15.712+/-13.541 χ^2/NDF: 57.8/40

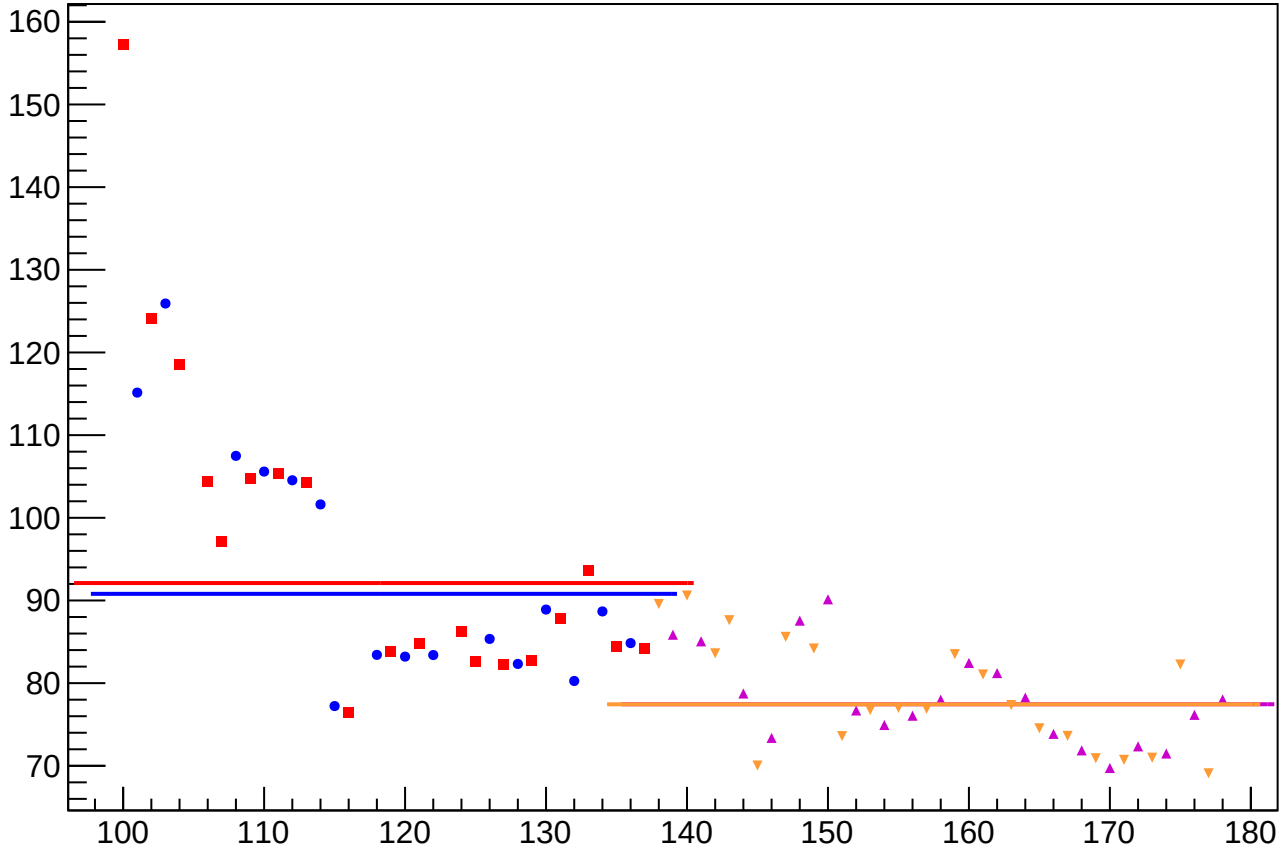
Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 33.867+/-16.769 χ^2/NDF:47.4/35

Out: 14.910+/-16.647 χ^2/NDF:74.9/39

All: 24.320+/-11.814 χ^2/NDF: 122.9/75

cor_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 77.439+/-0.013 χ^2/NDF:228039.4/20

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 77.447+/-0.014 χ^2/NDF:159763.4/19

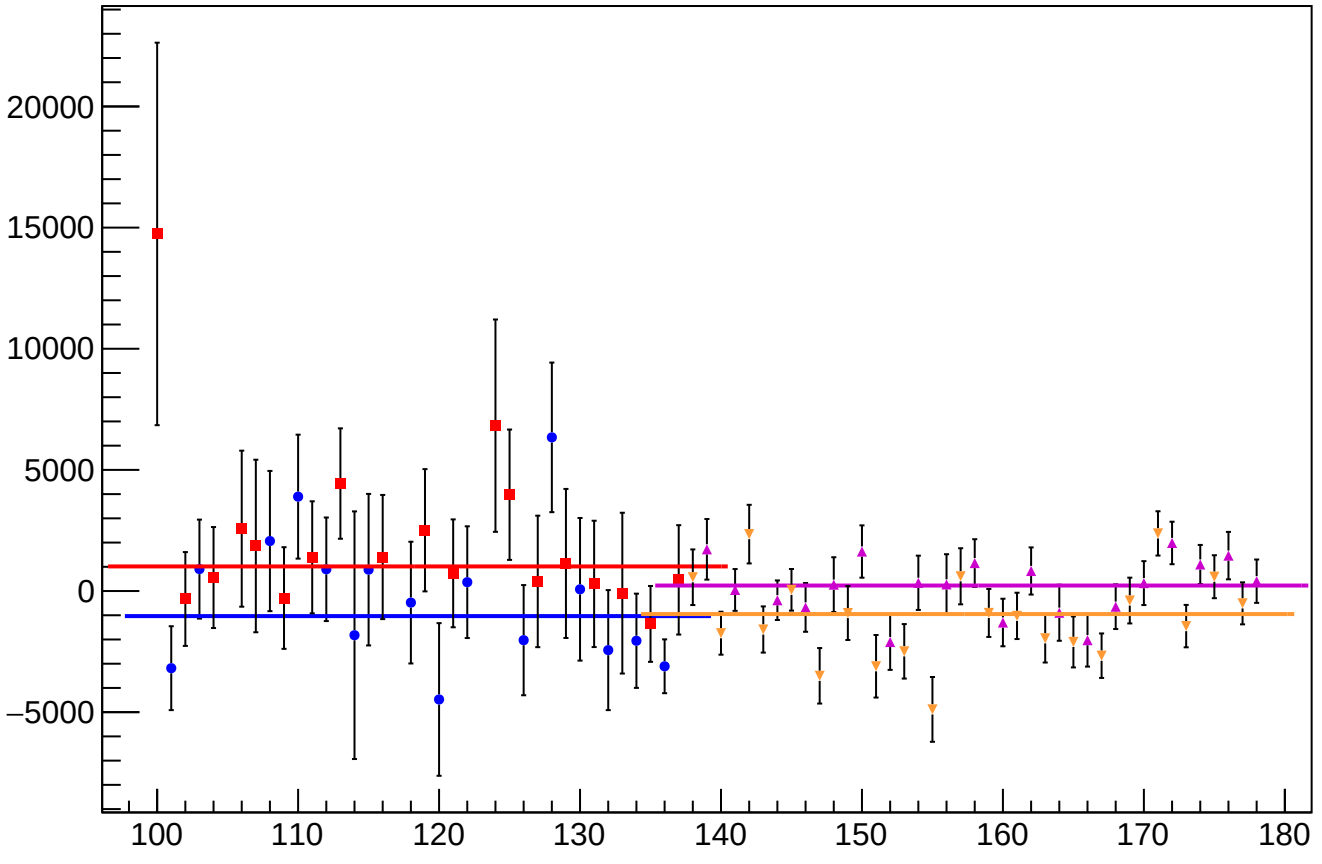
Left: 77.443+/-0.010 χ^2/NDF: 387802.9/40

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 80.663+/-0.012 χ^2/NDF:664466.2/35

Out: 80.912+/-0.012 χ^2/NDF:809389.9/39

All: 80.788+/-0.008 χ^2/NDF: 1474077.9/75



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: 226.998+/-220.627 χ^2/NDF:25.2/19

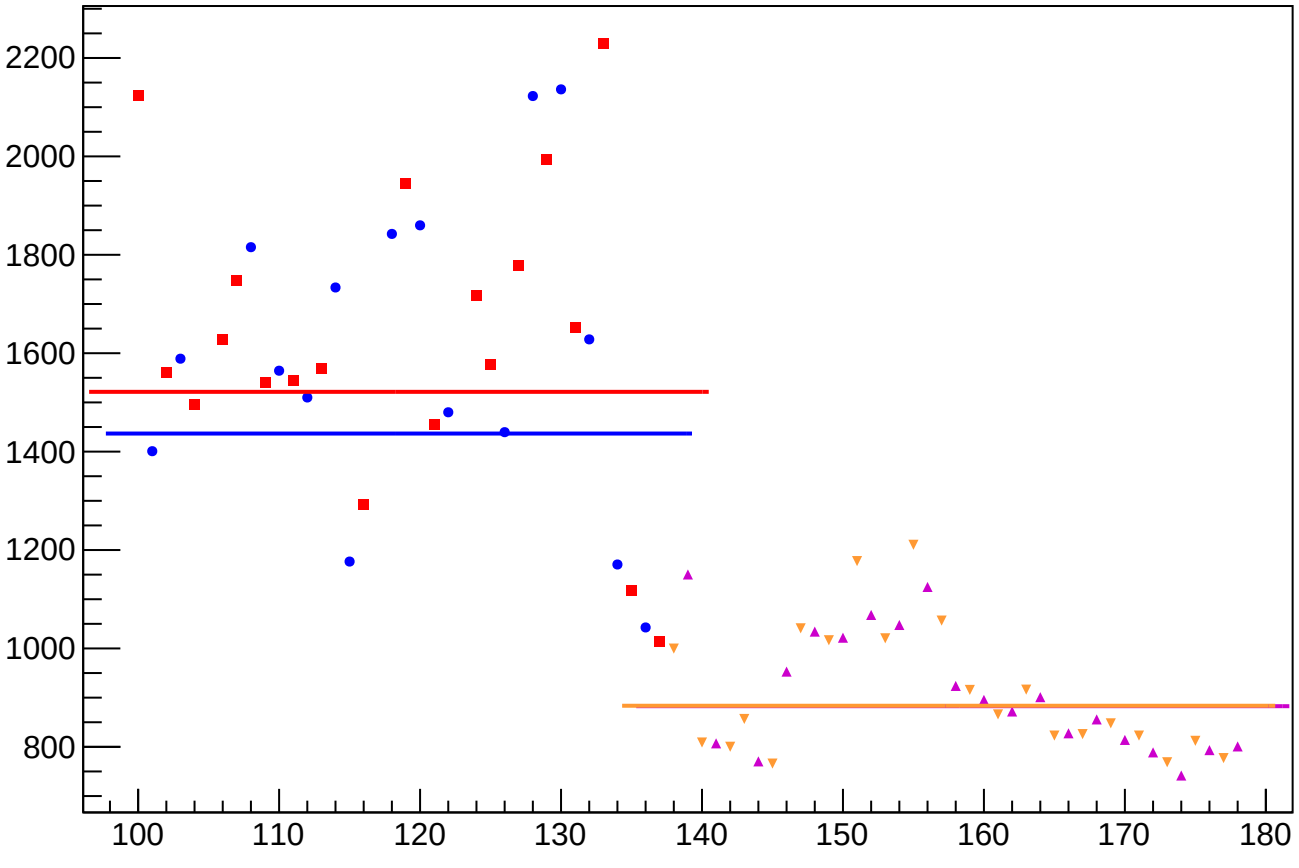
Left: -366.538+/-155.398 χ^2/NDF: 94.4/40

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: 52.187+/-204.777 χ^2/NDF:50.0/35

Out: -697.973+/-204.351 χ^2/NDF:77.6/39

All: -323.674+/-144.649 χ^2/NDF: 134.4/75



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: 882.635+/-0.156 χ^2/NDF:534893.9/19

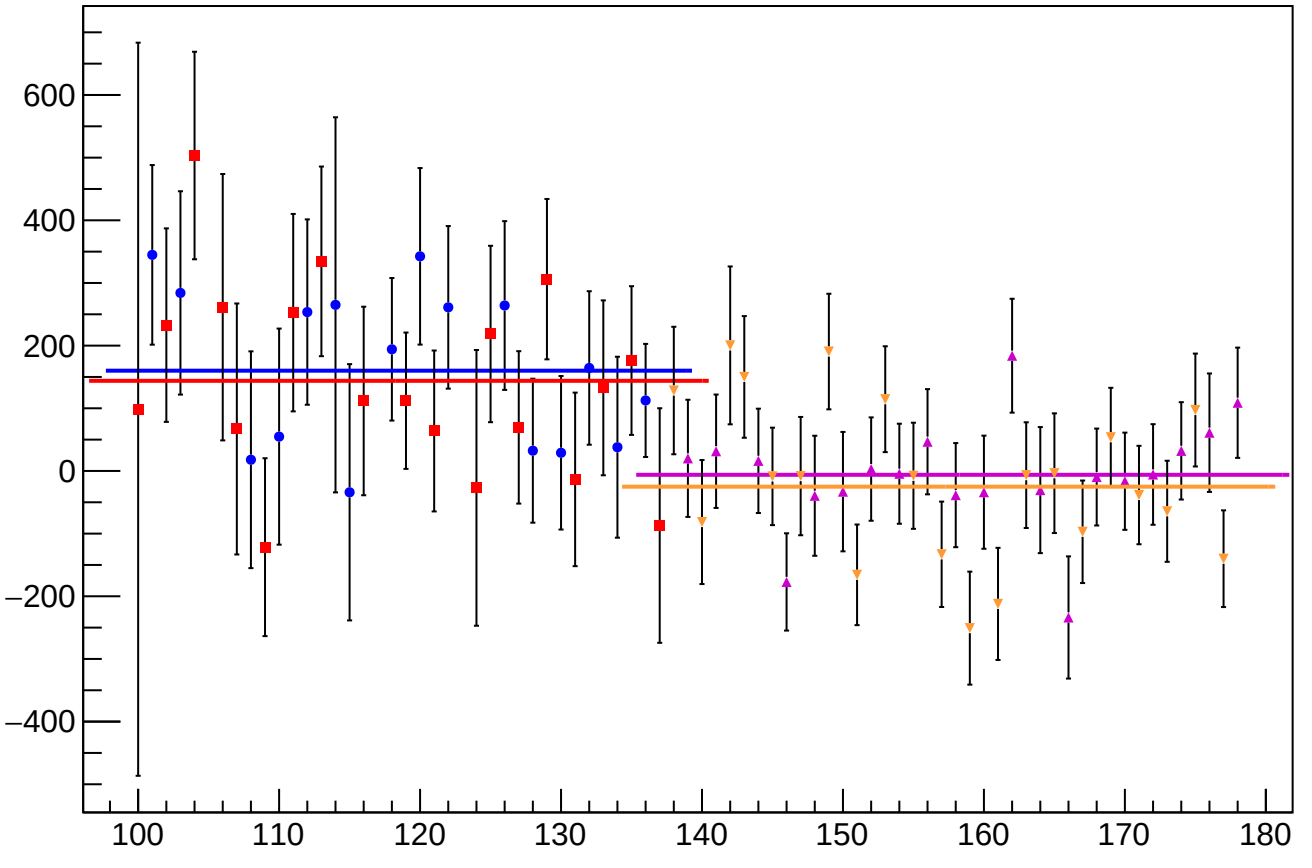
Left: 883.089+/-0.110 χ^2/NDF: 1090886.8/40

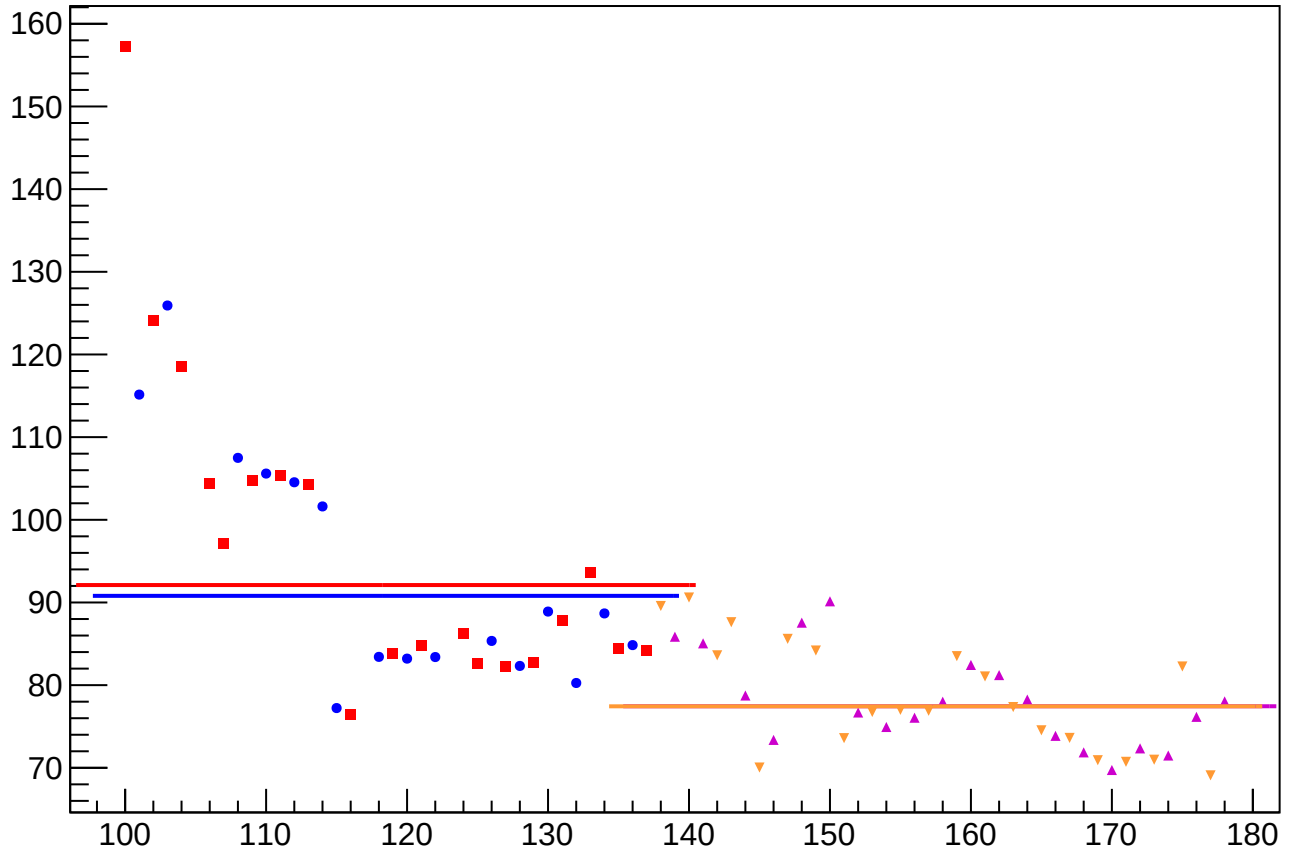
Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 959.389+/-0.145 χ^2/NDF:2958010.7/35

Out: 965.599+/-0.144 χ^2/NDF:3239153.6/39

All: 962.500+/-0.102 χ^2/NDF: 6198085.9/75


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: -6.152+/-19.245 χ²/NDF:18.4/19
Left: -15.712+/-13.541 χ²/NDF: 57.8/40
Right: 151.952+/-24.178 χ²/NDF: 28.5/34
In: 33.867+/-16.769 χ²/NDF:47.4/35
Out: 14.910+/-16.647 χ²/NDF:74.9/39
All: 24.320+/-11.814 χ²/NDF: 122.9/75



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: 77.447+/-0.014 χ^2/NDF:159763.4/19

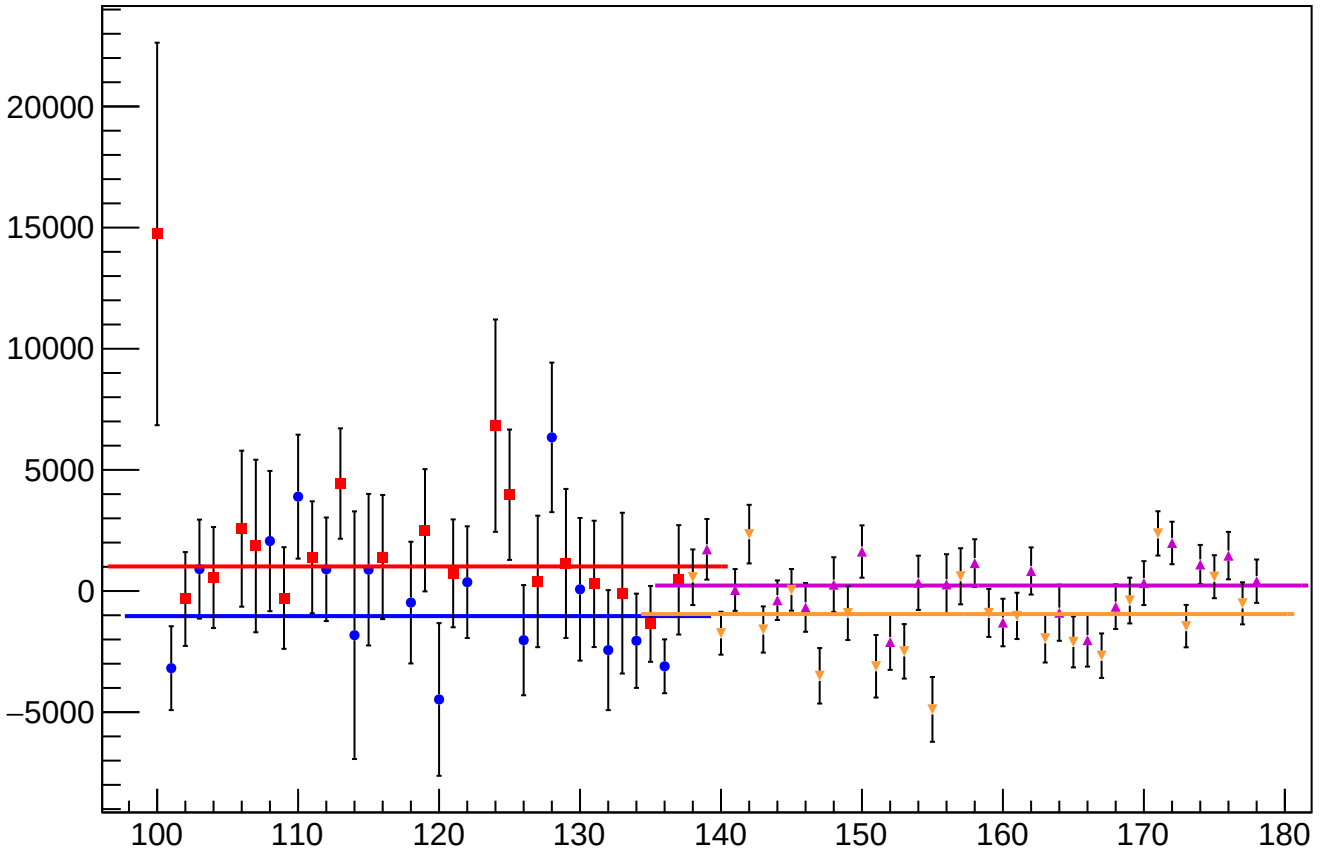
Left: 77.443+/-0.010 χ^2/NDF: 387802.9/40

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 80.663+/-0.012 χ^2/NDF:664466.2/35

Out: 80.912+/-0.012 χ^2/NDF:809389.9/39

All: 80.788+/-0.008 χ^2/NDF: 1474077.9/75



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: 226.998+/-220.627 χ^2/NDF:25.2/19

Left: -366.538+/-155.398 χ^2/NDF: 94.4/40

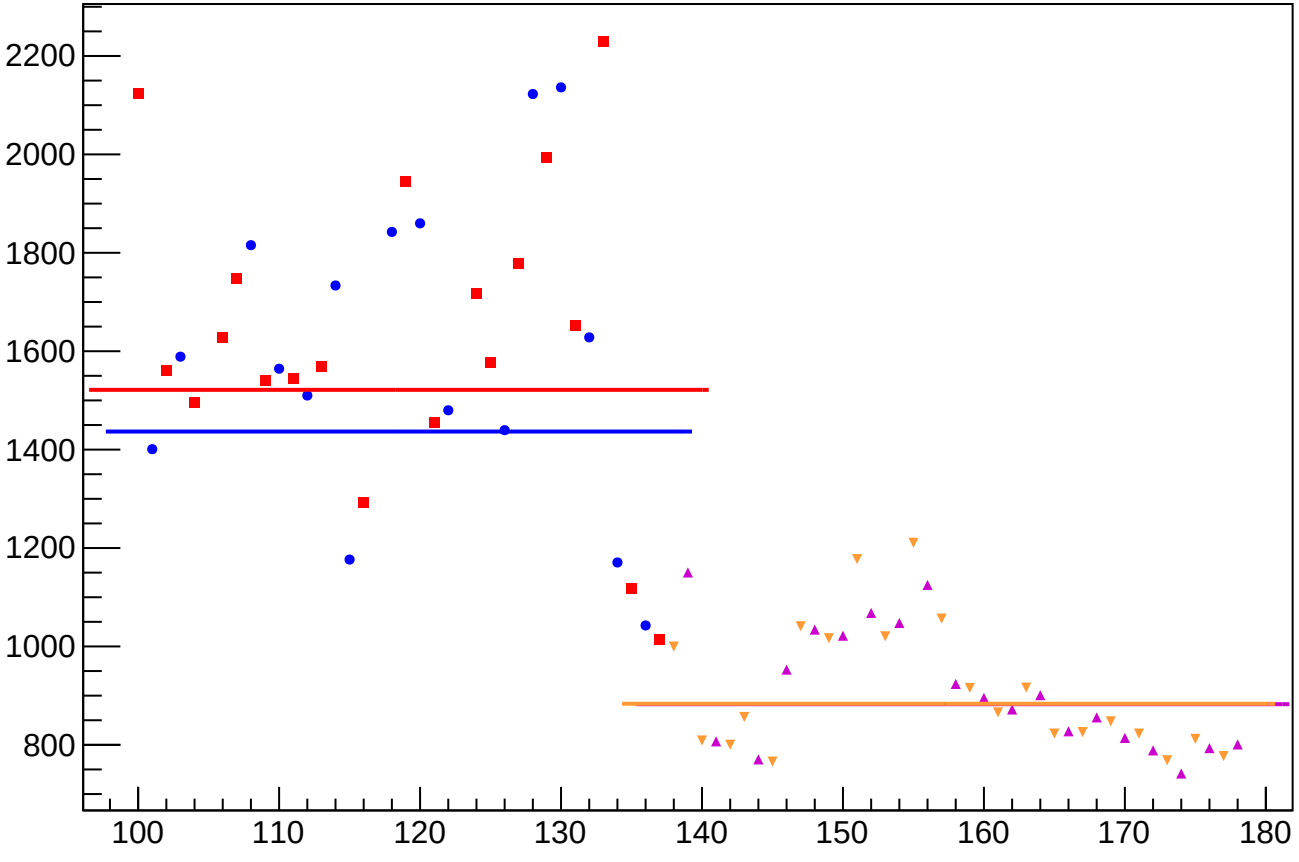
Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: 52.187+/-204.777 χ^2/NDF:50.0/35

Out: -697.973+/-204.351 χ^2/NDF:77.6/39

All: -323.674+/-144.649 χ^2/NDF: 134.4/75

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: 882.635+/-0.156 χ^2/NDF:534893.9/19

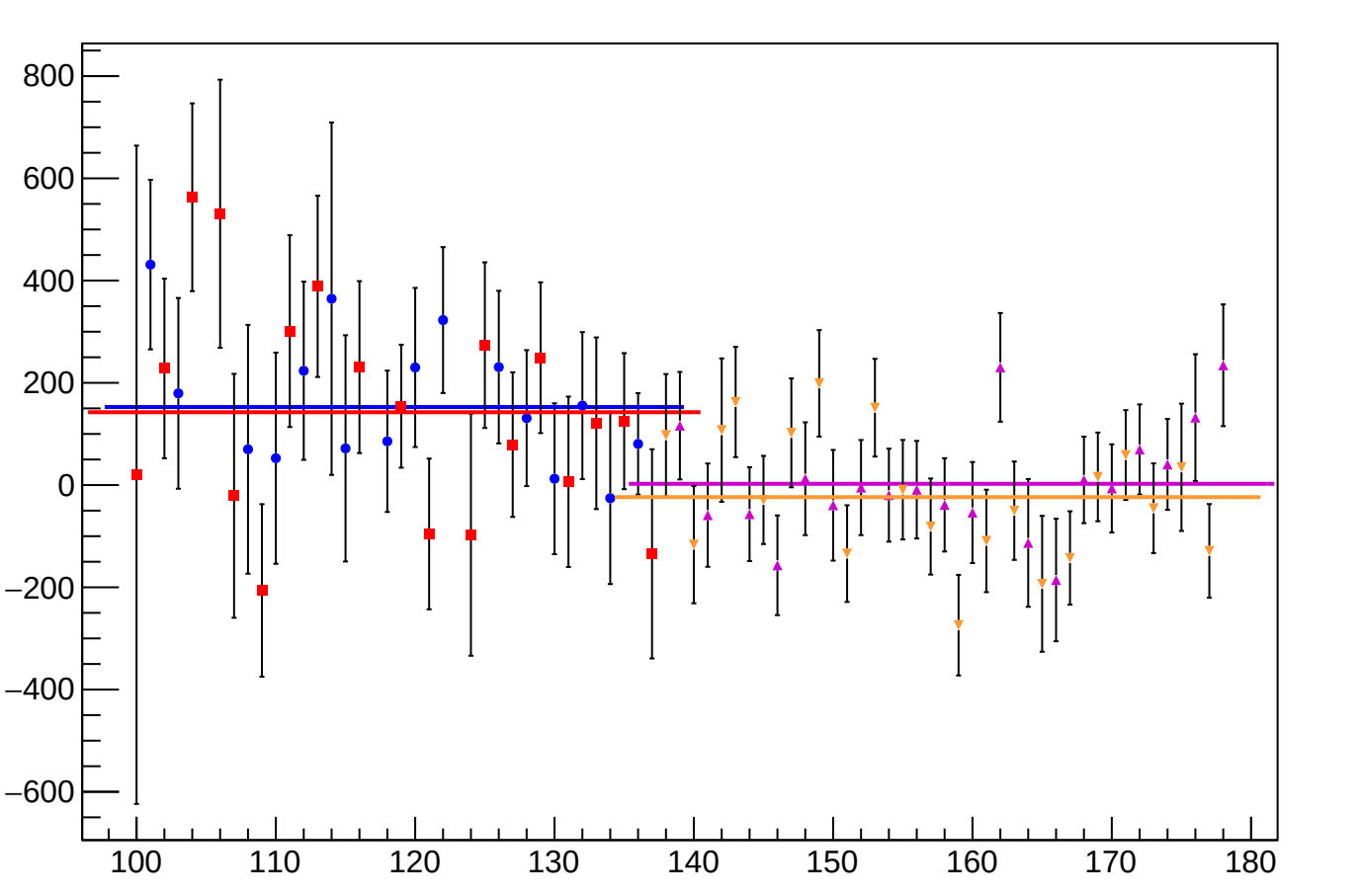
Left: 883.089+/-0.110 χ^2/NDF: 1090886.8/40

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

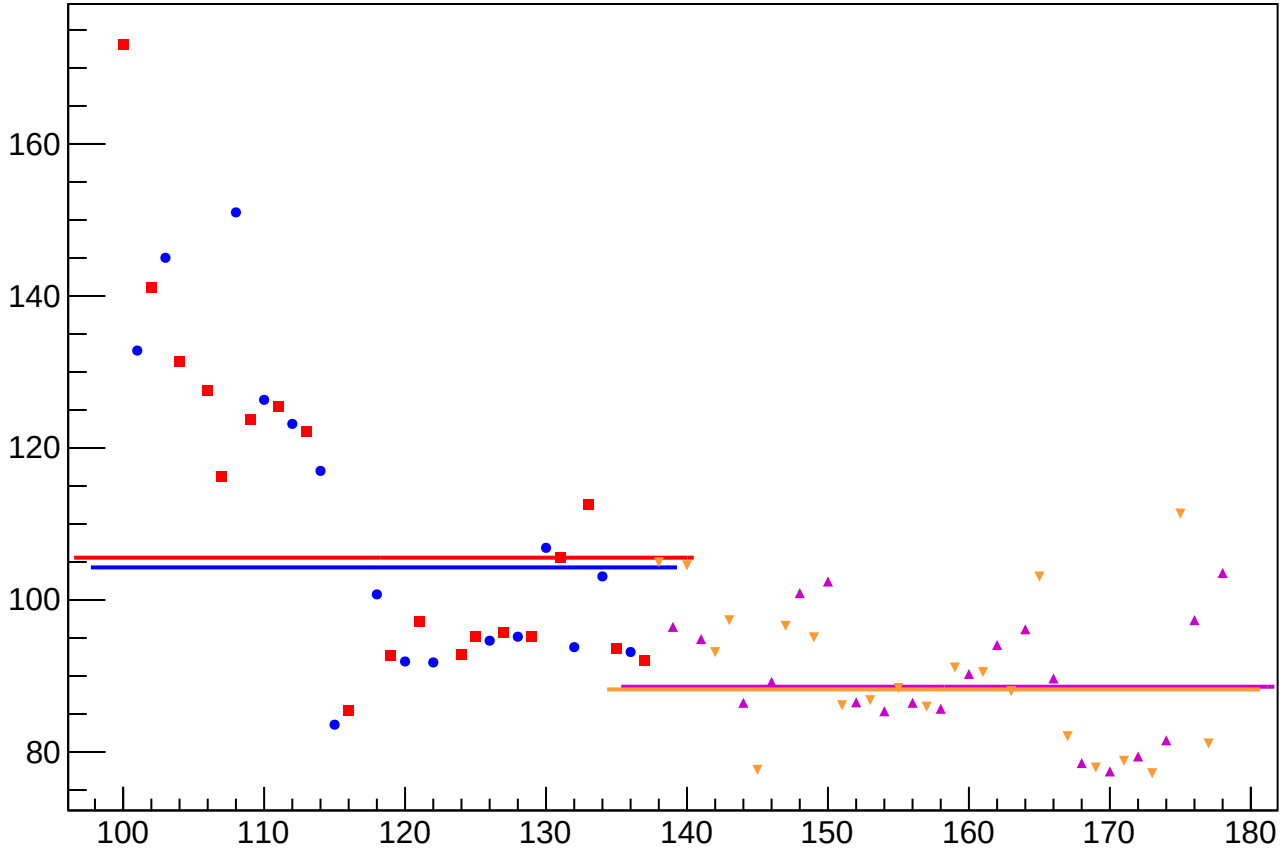
In: 959.389+/-0.145 χ^2/NDF:2958010.7/35

Out: 965.599+/-0.144 χ^2/NDF:3239153.6/39

All: 962.500+/-0.102 χ^2/NDF: 6198085.9/75


dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
100
110
120
130
140
150
160
170
180
Right In: 152.626+/-39.446 χ²/NDF: 8.6/15
Left Out: -23.611+/-21.817 χ²/NDF:29.9/20
Right Out: 142.496+/-39.340 χ²/NDF: 22.9/18
Left In: 2.455+/-22.165 χ²/NDF:19.0/19
Left: -10.785+/-15.549 χ²/NDF: 49.6/40
Right: 147.548+/-27.855 χ²/NDF: 31.6/34
In: 38.492+/-19.324 χ²/NDF:38.6/35
Out: 15.458+/-19.079 χ²/NDF:66.5/39
All: 26.829+/-13.577 χ²/NDF: 105.8/75

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: 88.590+/-0.016 χ^2/NDF:234987.1/19

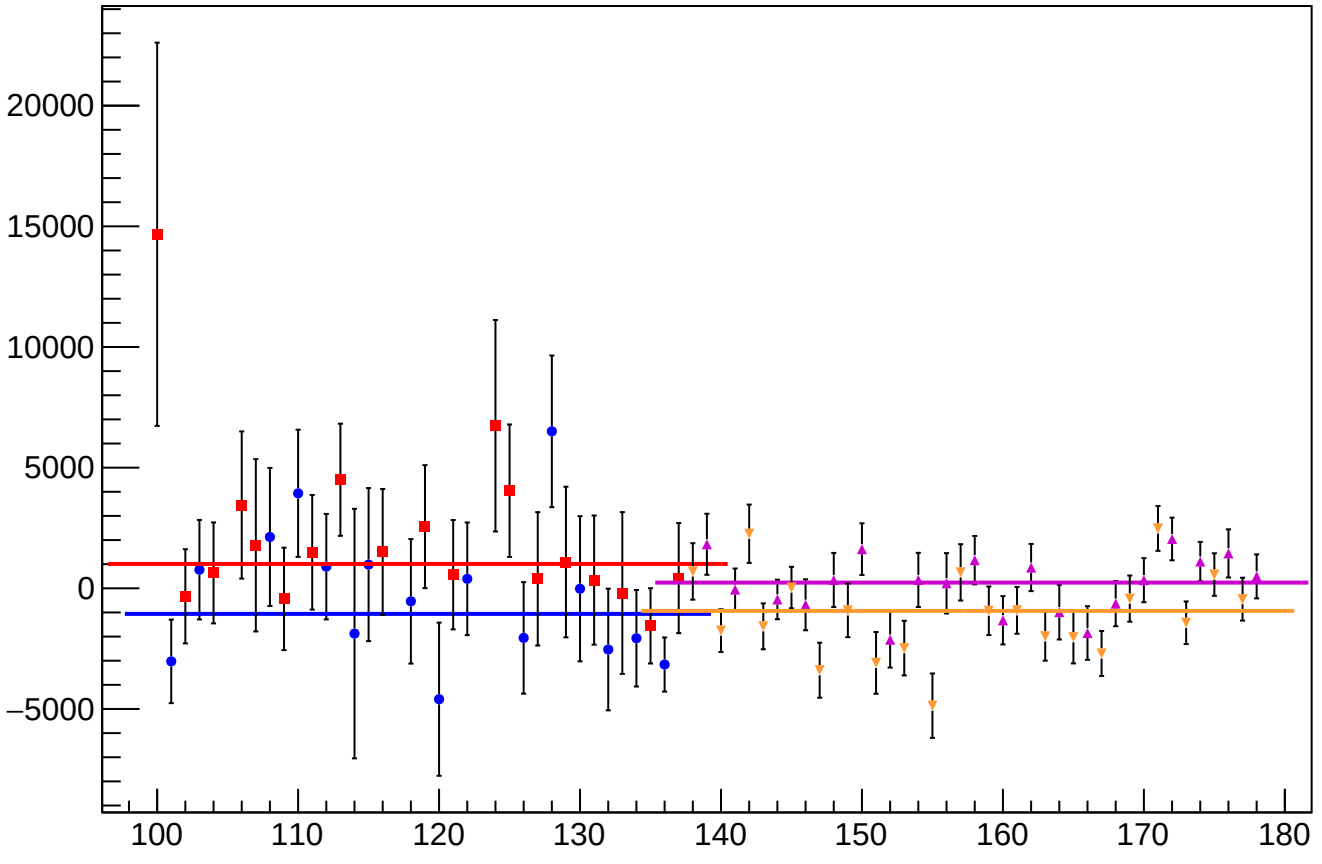
Left: 88.407+/-0.011 χ^2/NDF: 585879.9/40

Right: 104.929+/-0.020 χ^2/NDF: 723975.9/34

In: 92.357+/-0.014 χ^2/NDF:853978.0/35

Out: 92.308+/-0.013 χ^2/NDF:992334.8/39

All: 92.332+/-0.010 χ^2/NDF: 1846319.3/75



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: 237.249+/-222.780 χ^2/NDF:25.2/19

Left: -355.358+/-156.761 χ^2/NDF: 93.6/40

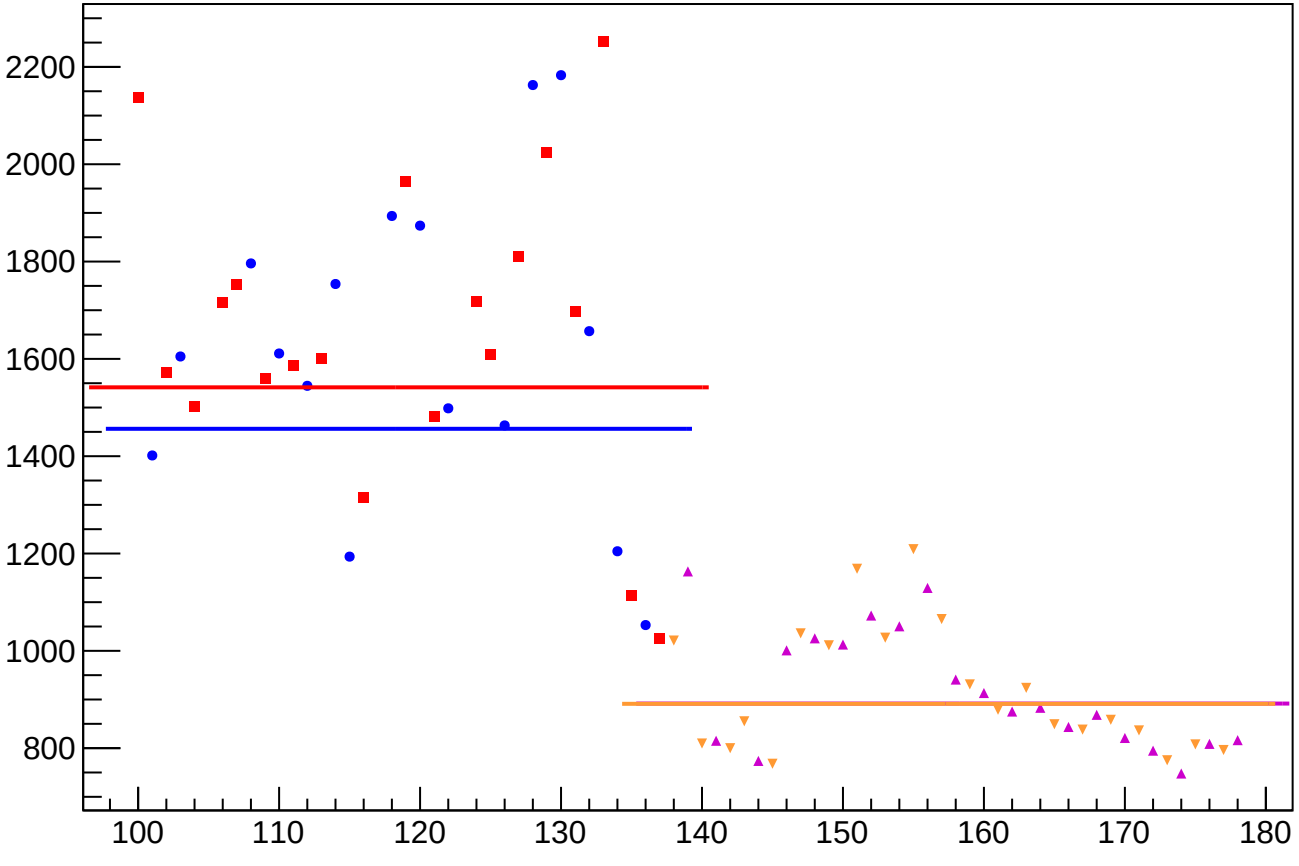
Right: -56.604+/-400.343 χ^2/NDF: 40.0/34

In: 58.791+/-206.882 χ^2/NDF:49.9/35

Out: -686.836+/-205.985 χ^2/NDF:77.7/39

All: -315.641+/-145.970 χ^2/NDF: 134.1/75

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: 891.647+/-0.158 χ^2/NDF:523412.0/19

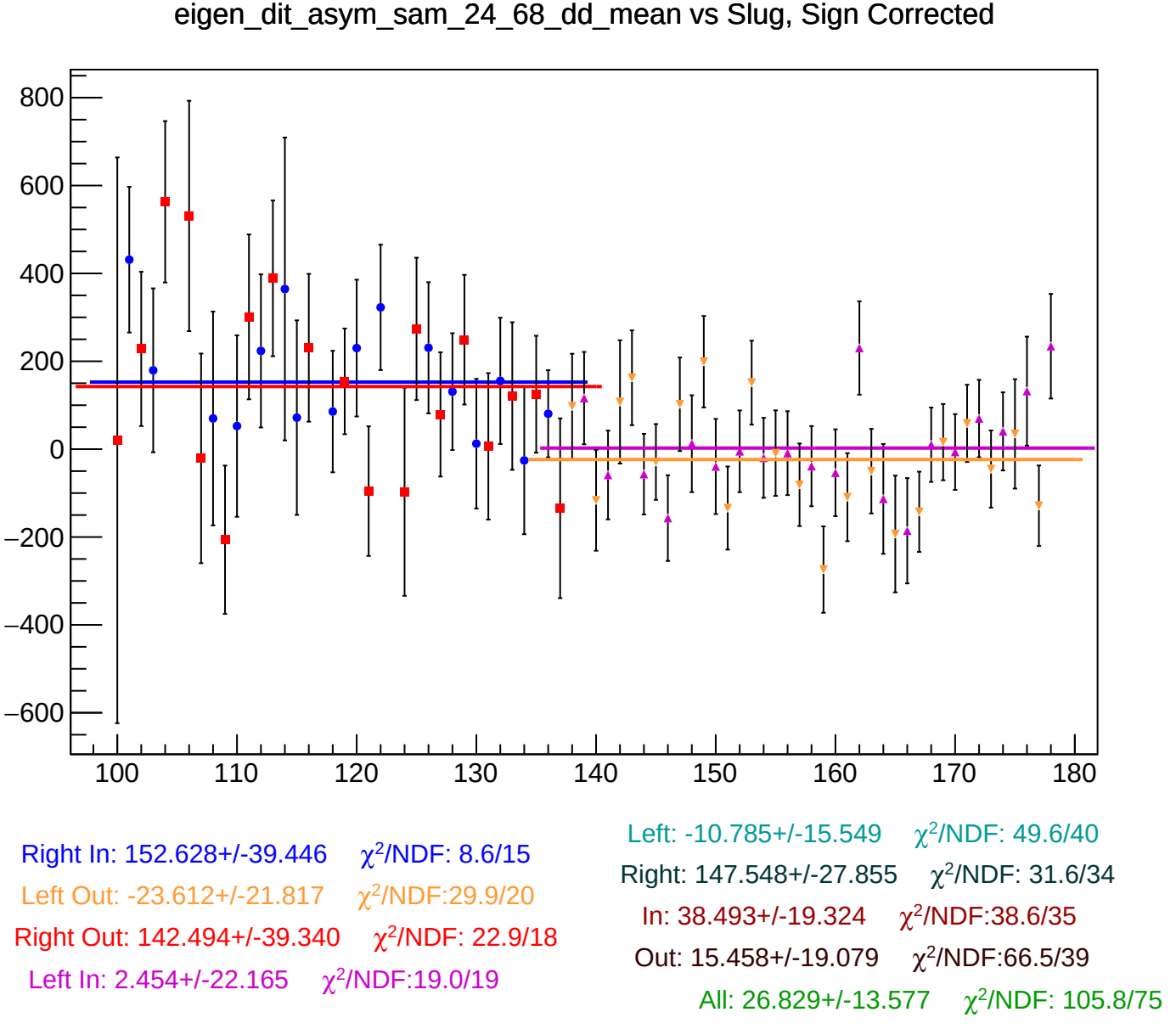
Left: 891.388+/-0.111 χ^2/NDF: 1056590.8/40

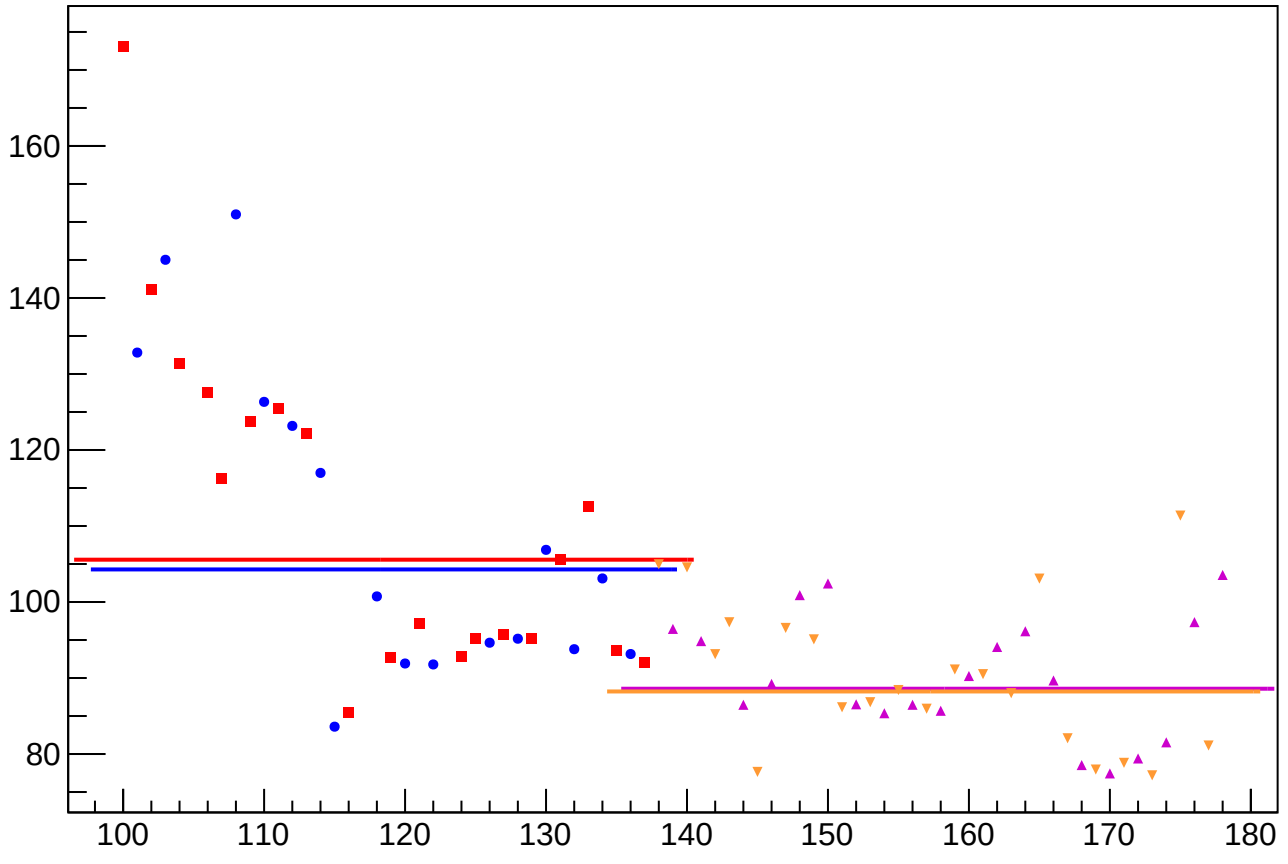
Right: 1497.600+/-0.283 χ^2/NDF: 1226777.5/34

In: 969.363+/-0.146 χ^2/NDF:2976593.0/35

Out: 974.571+/-0.146 χ^2/NDF:3282286.5/39

All: 971.979+/-0.103 χ^2/NDF: 6259516.0/75


eigen_dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
100
110
120
130
140
150
160
170
180
Right In: 152.628+/-39.446 χ²/NDF: 8.6/15
Left Out: -23.612+/-21.817 χ²/NDF:29.9/20
Right Out: 142.494+/-39.340 χ²/NDF: 22.9/18
Left In: 2.454+/-22.165 χ²/NDF:19.0/19
Left: -10.785+/-15.549 χ²/NDF: 49.6/40
Right: 147.548+/-27.855 χ²/NDF: 31.6/34
In: 38.493+/-19.324 χ²/NDF:38.6/35
Out: 15.458+/-19.079 χ²/NDF:66.5/39
All: 26.829+/-13.577 χ²/NDF: 105.8/75



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: 88.590+/-0.016 χ^2/NDF:234986.1/19

Left: 88.407+/-0.011 χ^2/NDF: 585878.0/40

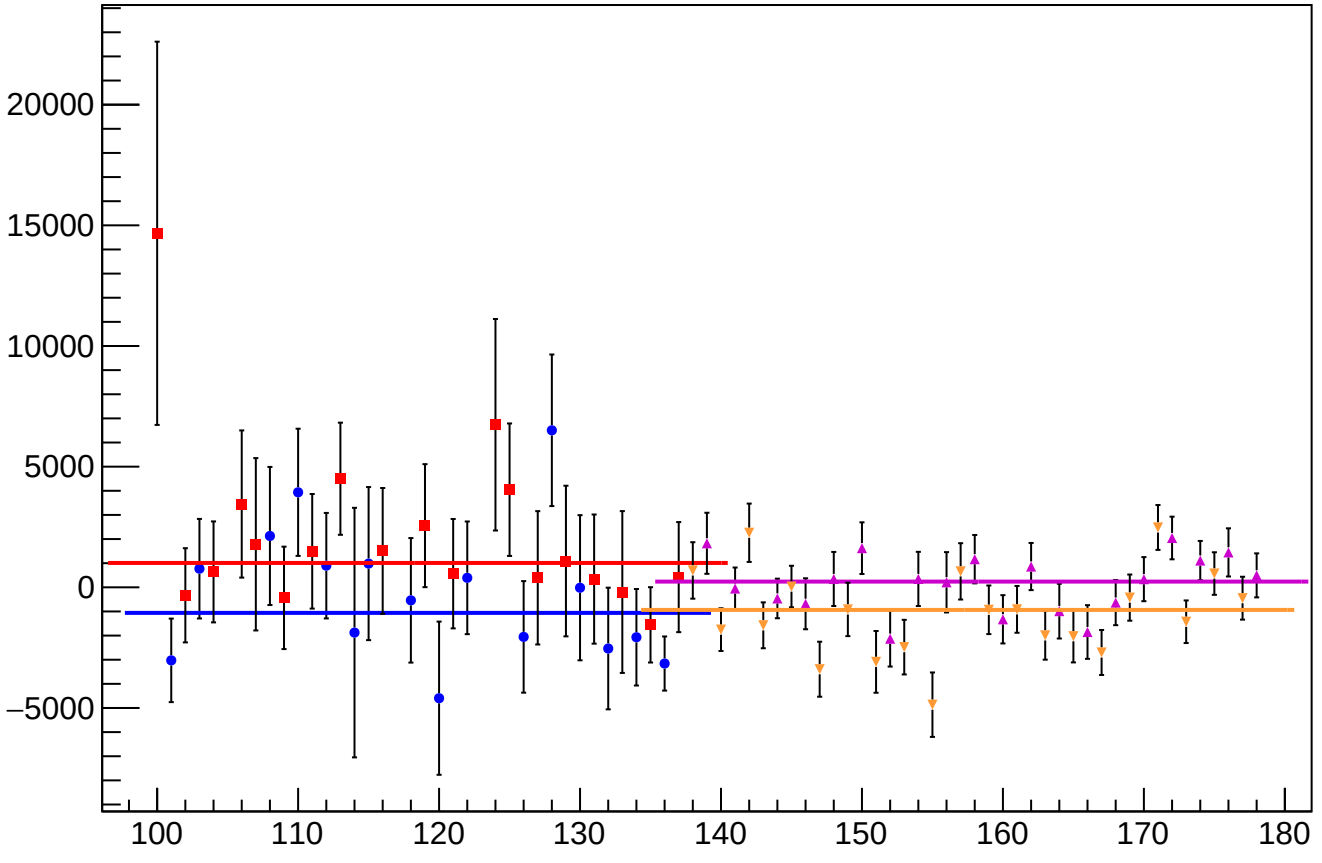
Right: 104.928+/-0.020 χ^2/NDF: 723977.9/34

In: 92.356+/-0.014 χ^2/NDF:853952.7/35

Out: 92.308+/-0.013 χ^2/NDF:992308.9/39

All: 92.332+/-0.010 χ^2/NDF: 1846268.0/75

asym_sam_24_68_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -936.542+/-220.622 χ^2/NDF:54.4/20

Right Out: 1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: 237.248+/-222.780 χ^2/NDF:25.2/19

Left: -355.359+/-156.761 χ^2/NDF: 93.6/40

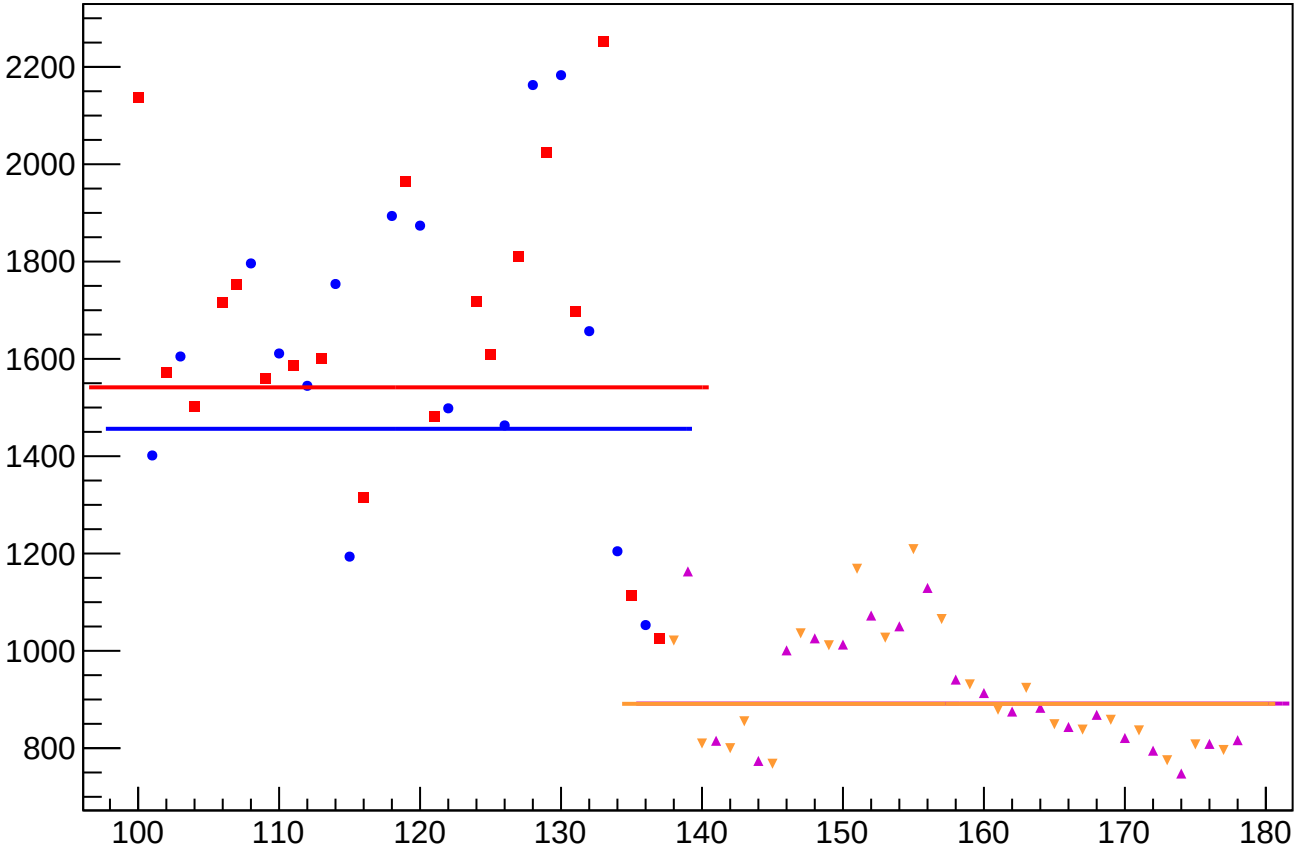
Right: -56.602+/-400.342 χ^2/NDF: 40.0/34

In: 58.790+/-206.882 χ^2/NDF:49.9/35

Out: -686.835+/-205.985 χ^2/NDF:77.7/39

All: -315.642+/-145.969 χ^2/NDF: 134.1/75

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: 891.646+/-0.158 χ^2/NDF:523411.6/19

Left: 891.388+/-0.111 χ^2/NDF: 1056590.2/40

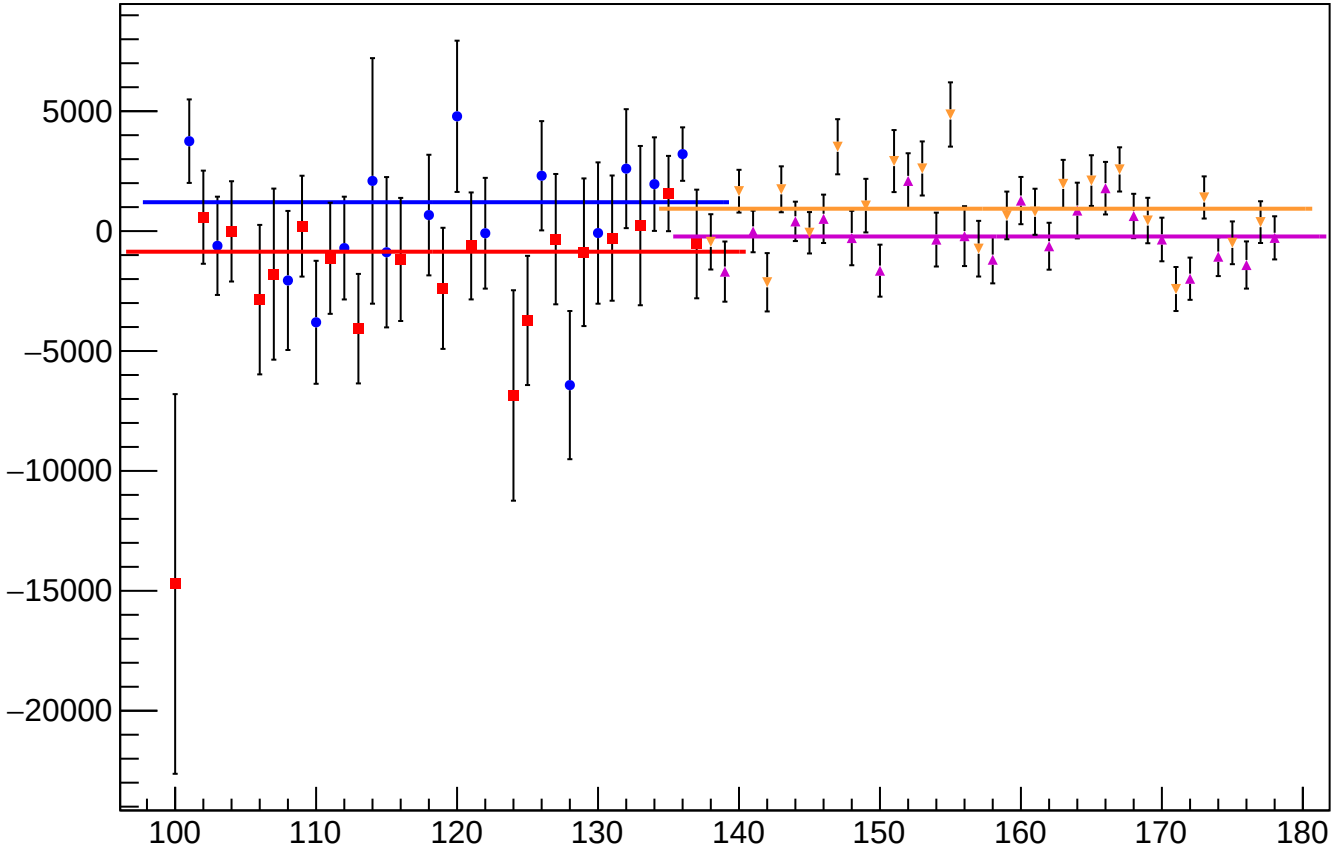
Right: 1497.597+/-0.283 χ^2/NDF: 1226774.5/34

In: 969.362+/-0.146 χ^2/NDF:2976584.3/35

Out: 974.571+/-0.146 χ^2/NDF:3282277.2/39

All: 971.978+/-0.103 χ^2/NDF: 6259498.0/75

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



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: -224.566+/-221.534 χ^2/NDF:23.4/19

Left: 358.956+/-156.040 χ^2/NDF: 90.4/40

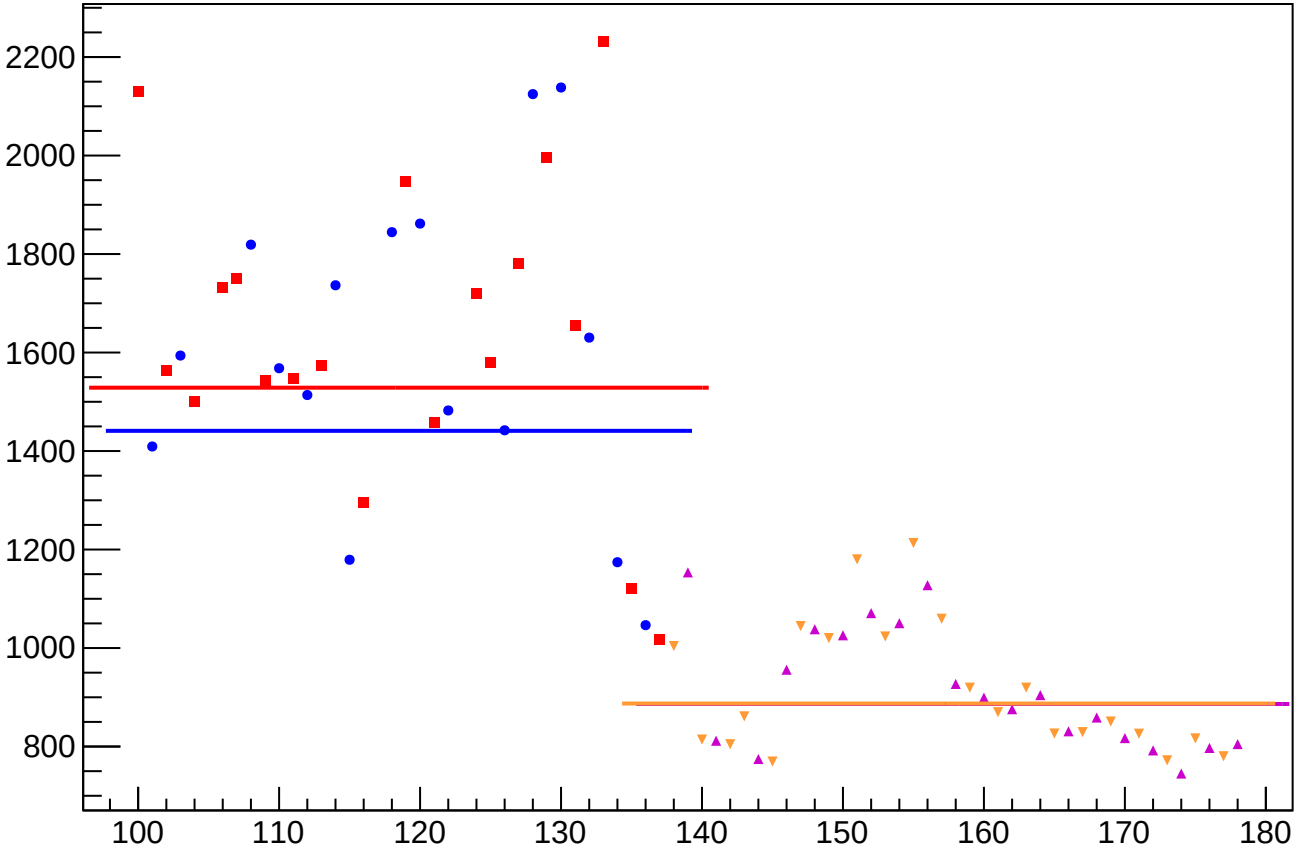
Right: 207.019+/-396.565 χ^2/NDF: 40.4/34

In: -26.129+/-205.581 χ^2/NDF:50.4/35

Out: 701.664+/-205.118 χ^2/NDF:74.3/39

All: 338.586+/-145.204 χ^2/NDF: 130.9/75

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: 886.367+/-0.157 χ^2/NDF:528939.5/19

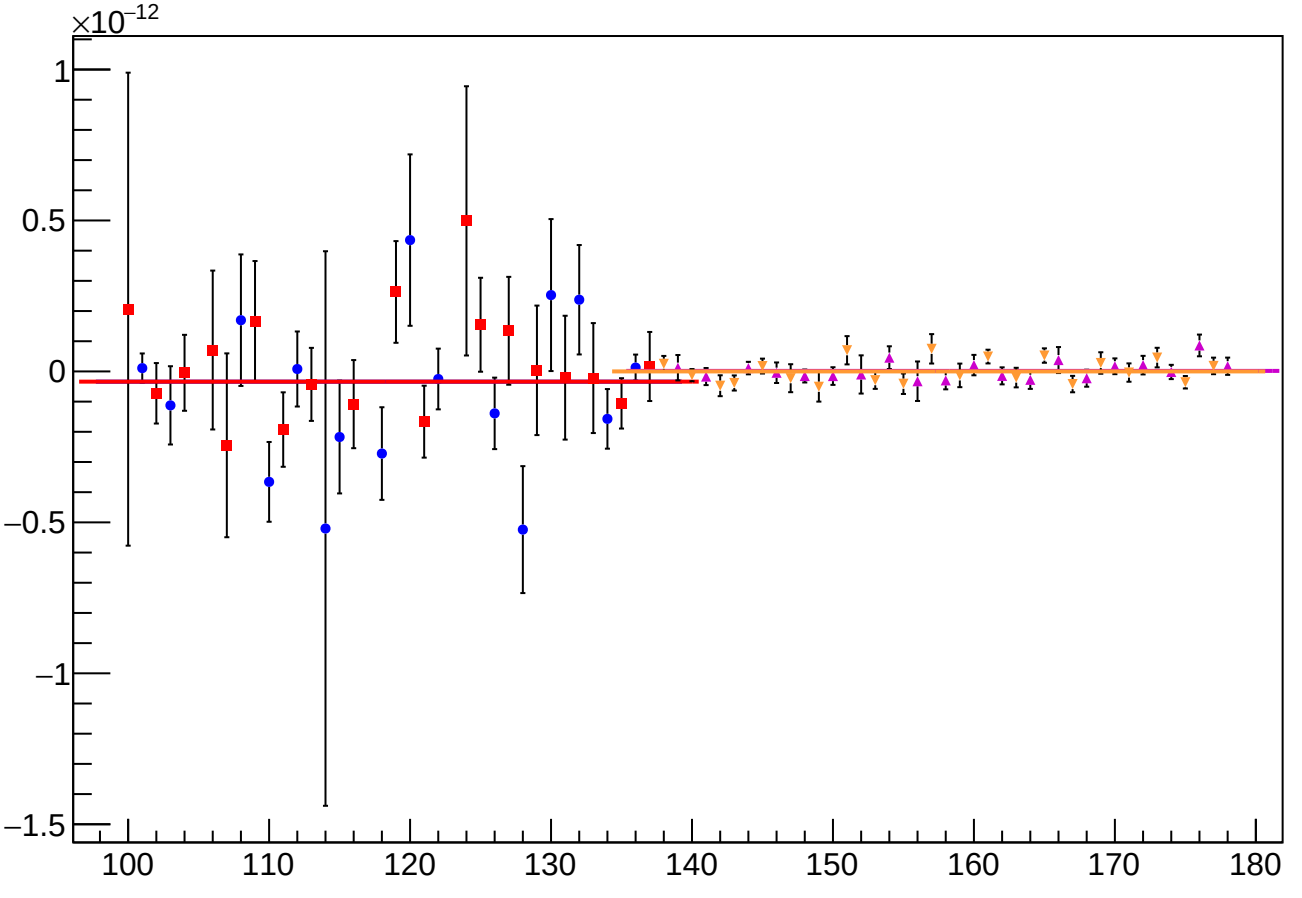
Left: 886.846+/-0.110 χ^2/NDF: 1079130.1/40

Right: 1483.381+/-0.280 χ^2/NDF: 1196778.1/34

In: 963.375+/-0.145 χ^2/NDF:2940271.1/35

Out: 970.255+/-0.145 χ^2/NDF:3253354.8/39

All: 966.823+/-0.103 χ^2/NDF: 6194748.1/75



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:14.1/19

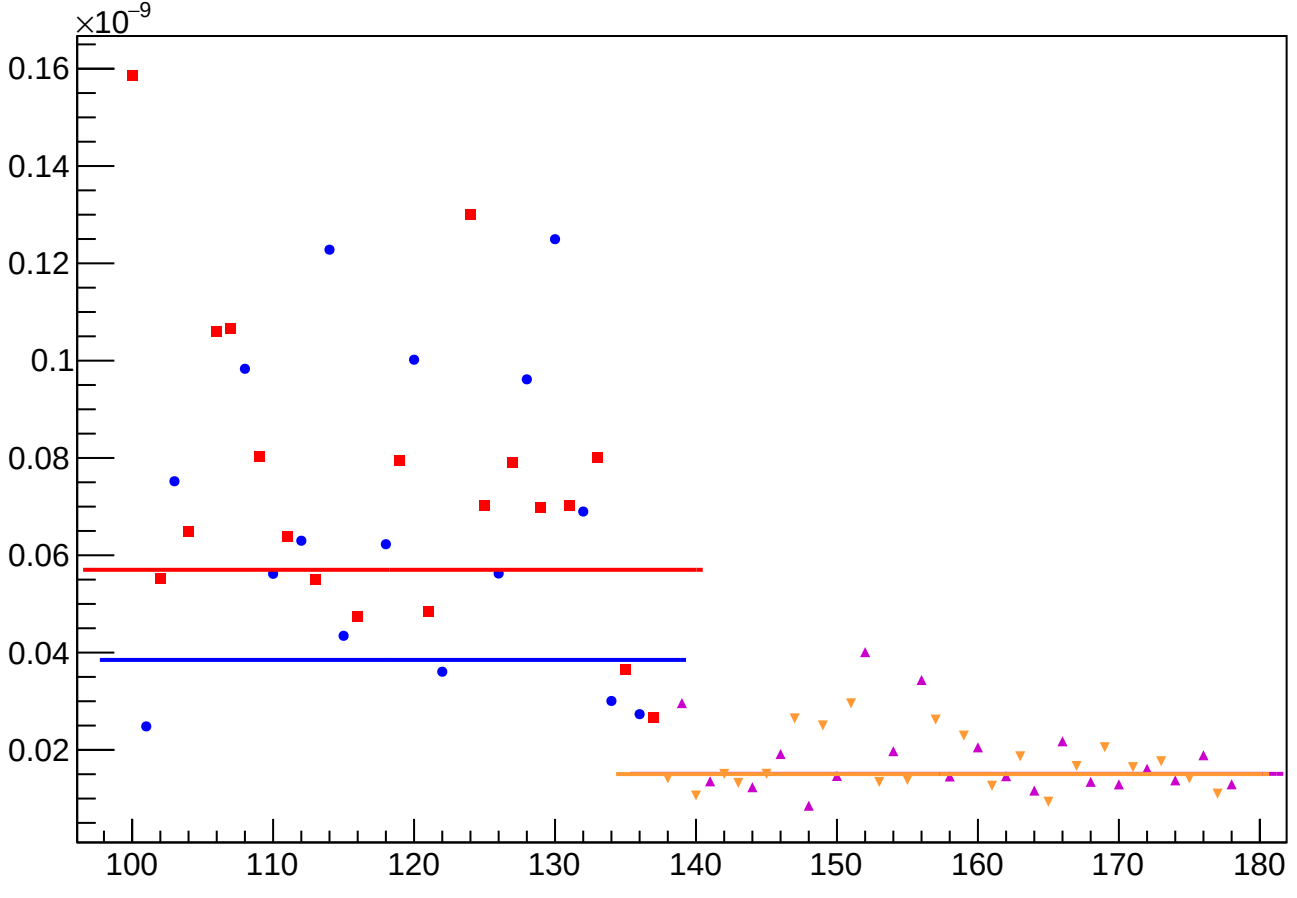
Left: 0.000+/-0.000 χ^2/NDF: 47.0/40

Right: -0.000+/-0.000 χ^2/NDF: 40.4/34

In: -0.000+/-0.000 χ^2/NDF:43.4/35

Out: -0.000+/-0.000 χ^2/NDF:46.8/39

All: -0.000+/-0.000 χ^2/NDF: 90.2/75



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:1203799.5/19

Left: 0.000+/-0.000 χ^2/NDF: 2187765.7/40

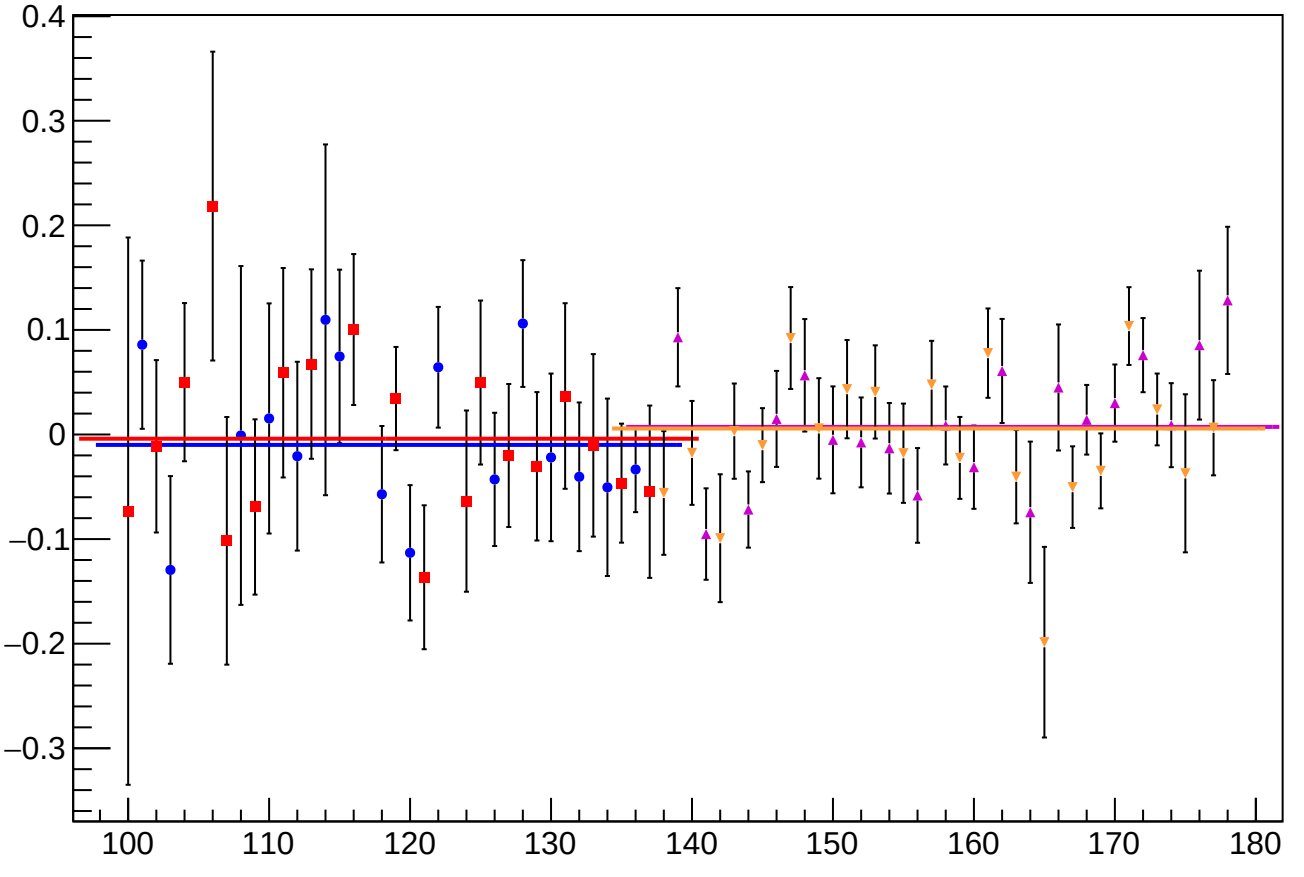
Right: 0.000+/-0.000 χ^2/NDF: 2430892.0/34

In: 0.000+/-0.000 χ^2/NDF:4215530.6/35

Out: 0.000+/-0.000 χ^2/NDF:4626677.1/39

All: 0.000+/-0.000 χ^2/NDF: 8843276.1/75

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: 0.007+/-0.010 χ^2/NDF:29.2/19

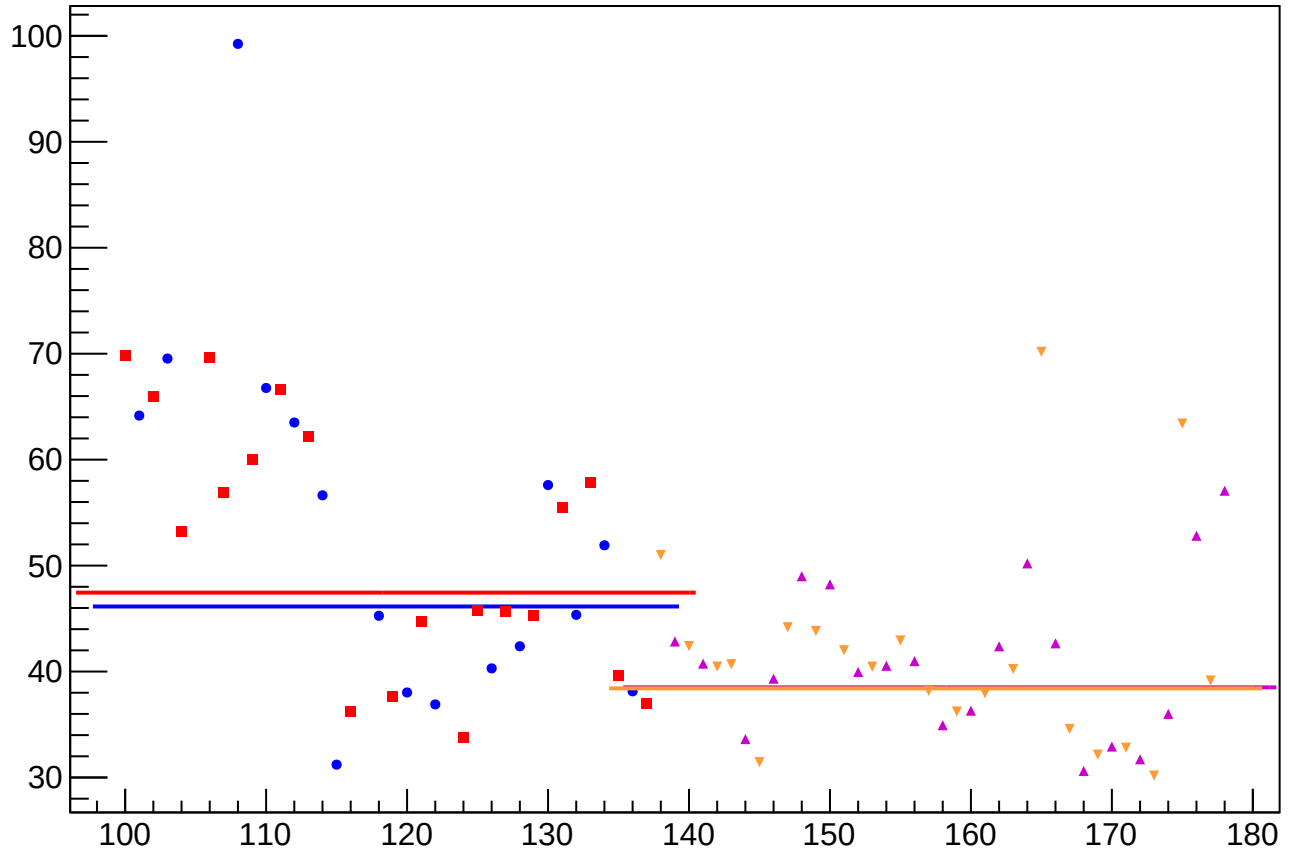
Left: 0.006+/-0.007 χ^2/NDF: 59.6/40

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: 0.003+/-0.009 χ^2/NDF:44.1/35

Out: 0.004+/-0.009 χ^2/NDF:44.5/39

All: 0.003+/-0.006 χ^2/NDF: 88.6/75



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: 38.508+/-0.007 χ^2/NDF:785221.2/19

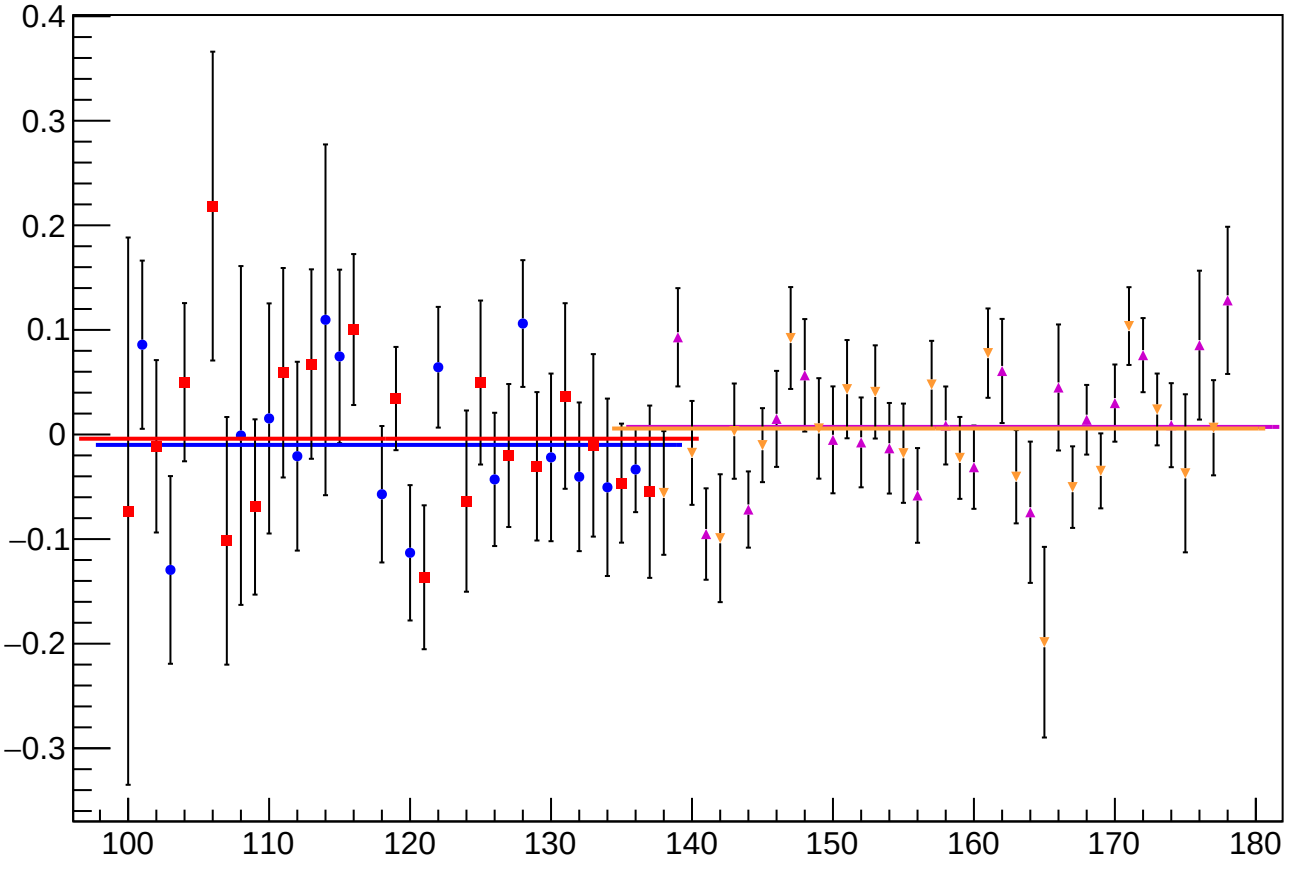
Left: 38.460+/-0.005 χ^2/NDF: 1773812.2/40

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 40.283+/-0.006 χ^2/NDF:1964733.0/35

Out: 40.441+/-0.006 χ^2/NDF:2030153.2/39

All: 40.363+/-0.004 χ^2/NDF: 3995220.2/75



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: 0.007+/-0.010 χ^2/NDF:29.2/19

Left: 0.006+/-0.007 χ^2/NDF: 59.6/40

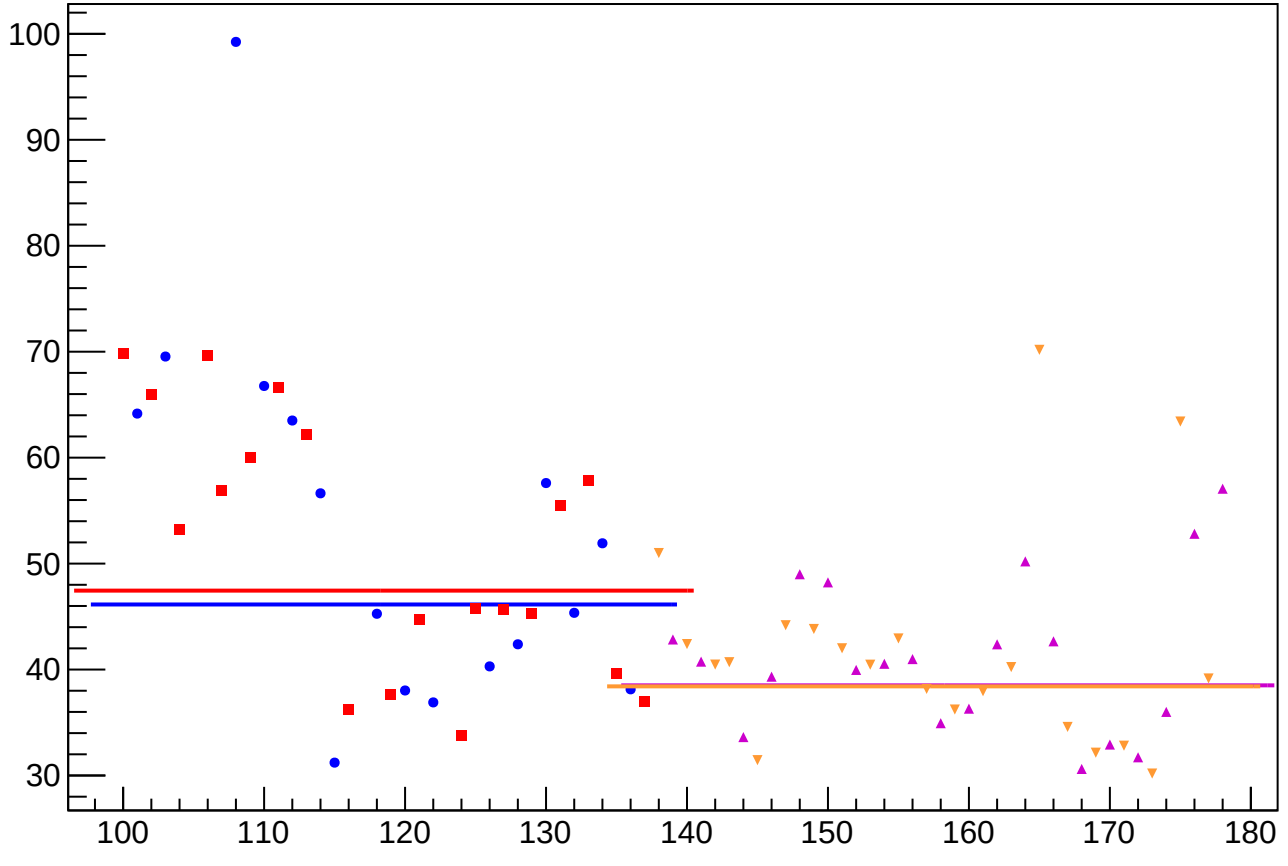
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: 0.003+/-0.009 χ^2/NDF:44.1/35

Out: 0.004+/-0.009 χ^2/NDF:44.5/39

All: 0.003+/-0.006 χ^2/NDF: 88.6/75

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: 38.508+/-0.007 χ^2/NDF:785221.2/19

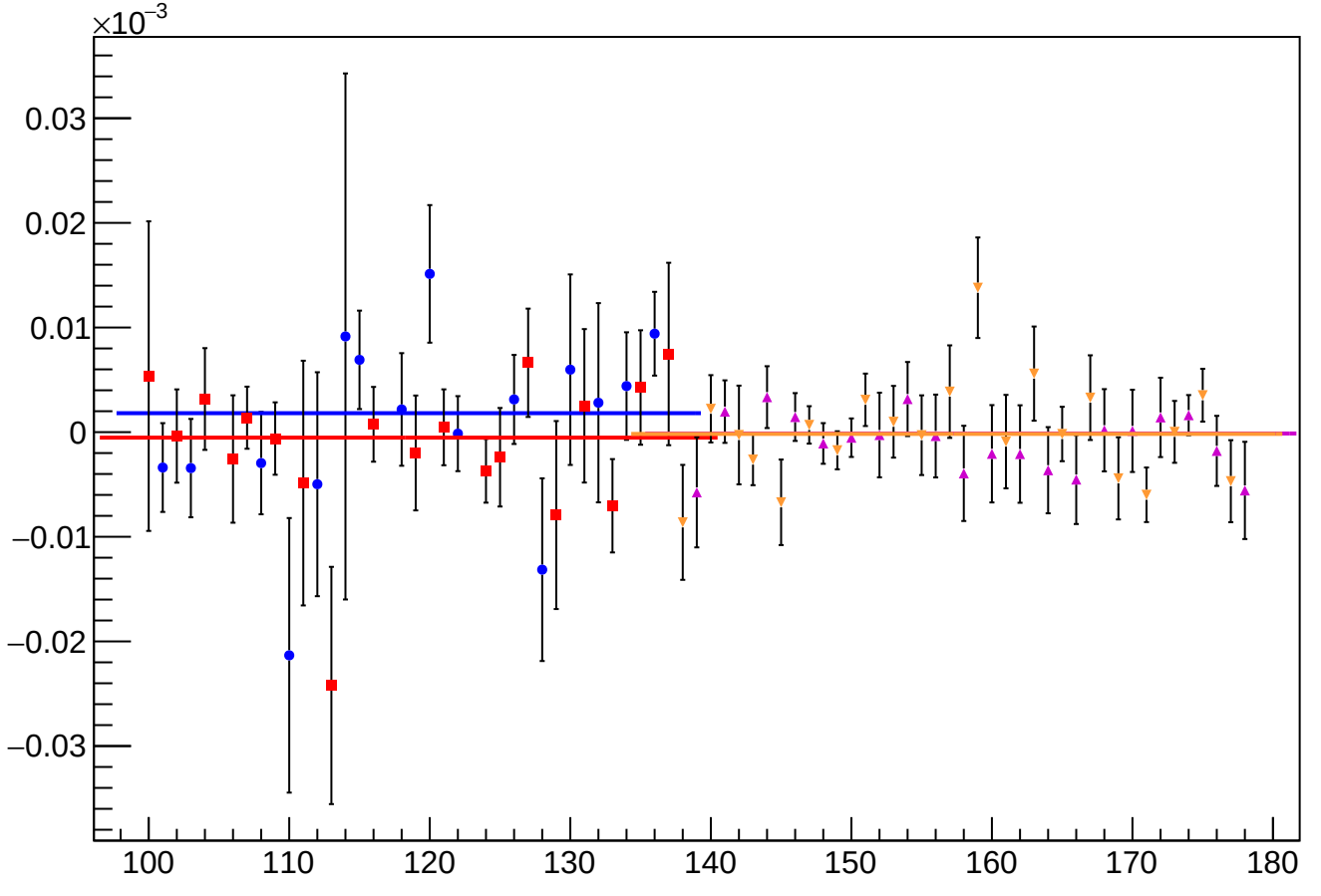
Left: 38.460+/-0.005 χ^2/NDF: 1773812.2/40

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 40.283+/-0.006 χ^2/NDF:1964733.0/35

Out: 40.441+/-0.006 χ^2/NDF:2030153.2/39

All: 40.363+/-0.004 χ^2/NDF: 3995220.2/75



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:10.1/19

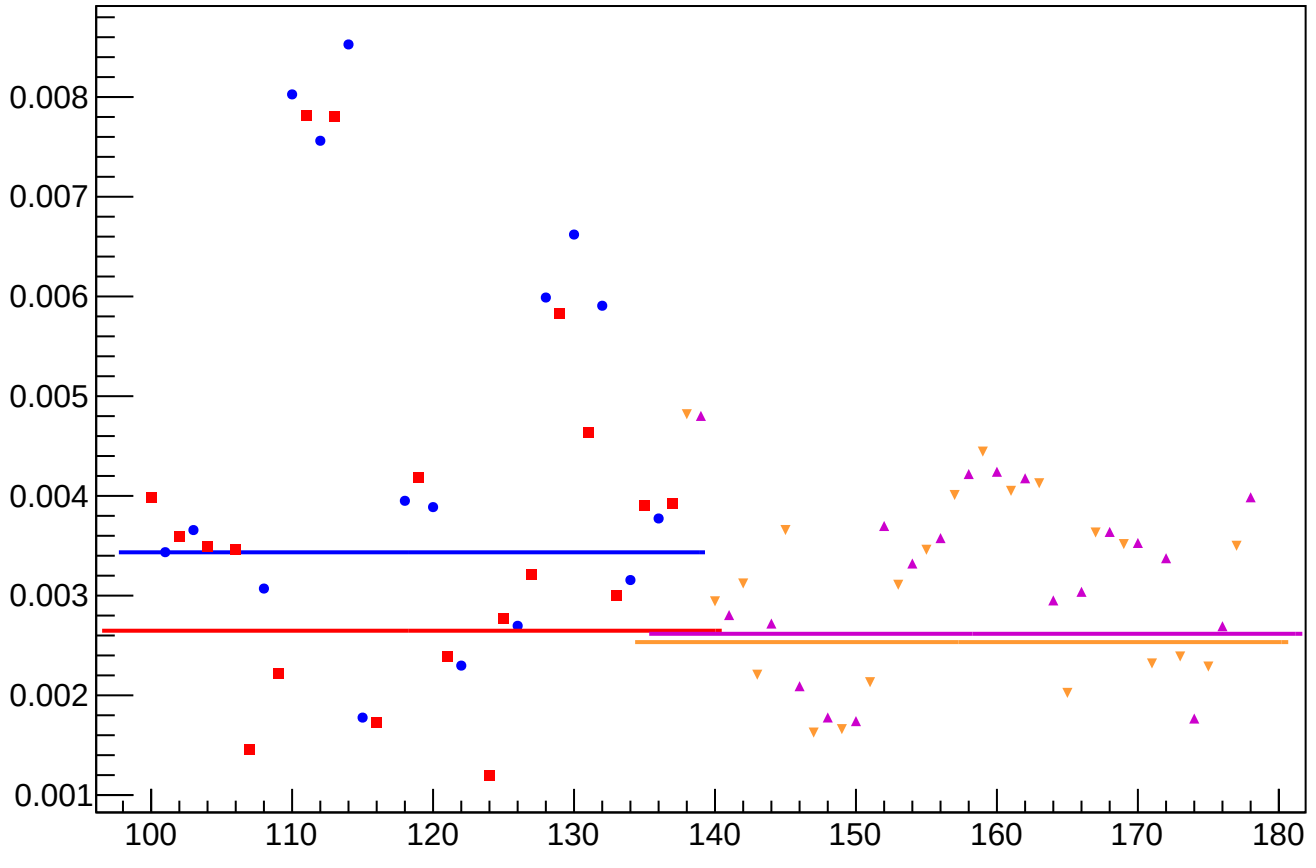
Left: -0.000+/-0.000 χ^2/NDF: 40.7/40

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:31.7/35

Out: -0.000+/-0.000 χ^2/NDF:44.4/39

All: -0.000+/-0.000 χ^2/NDF: 76.5/75



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:3263264.0/19

Left: 0.003+/-0.000 χ^2/NDF: 6604412.9/40

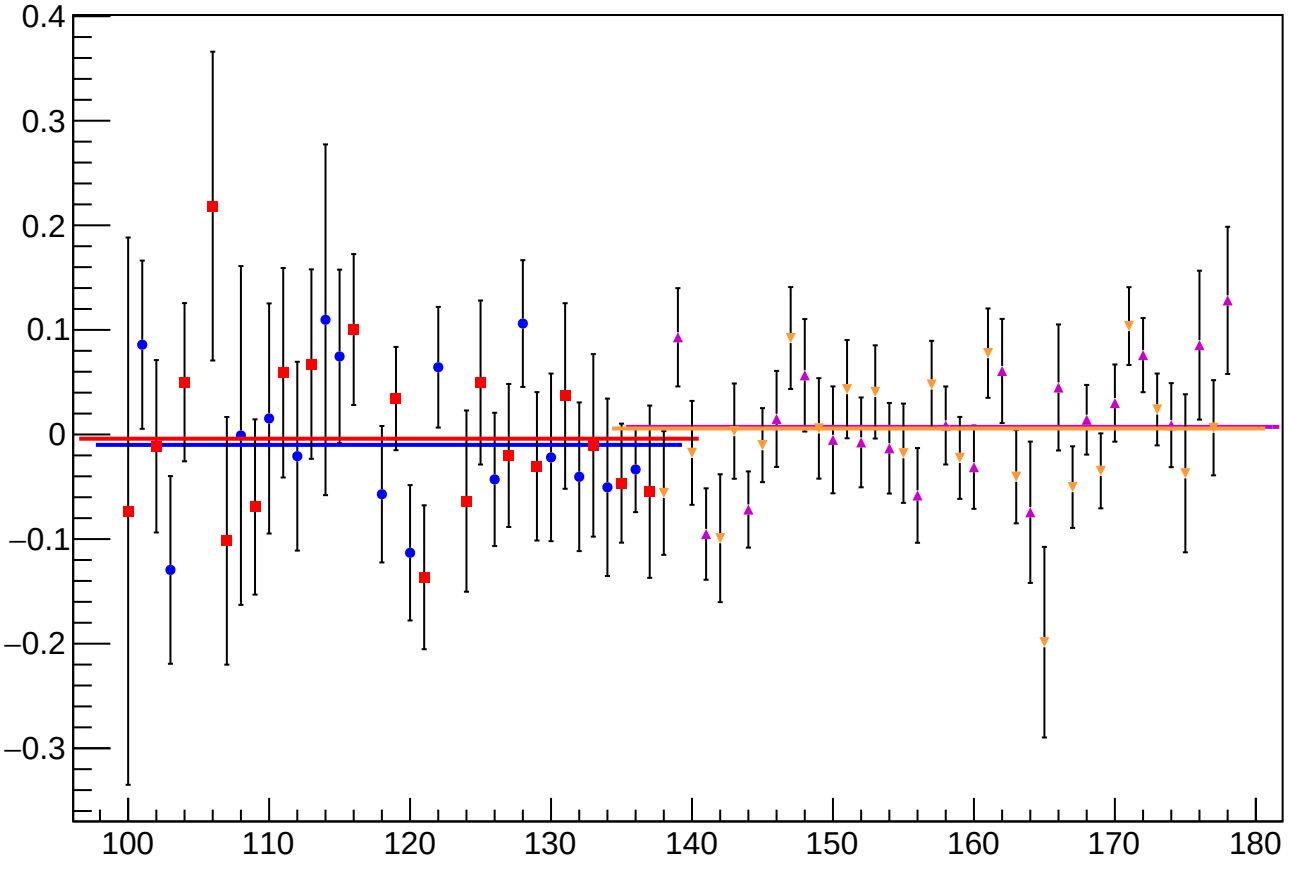
Right: 0.003+/-0.000 χ^2/NDF: 4848064.7/34

In: 0.003+/-0.000 χ^2/NDF:5576653.4/35

Out: 0.003+/-0.000 χ^2/NDF:6038954.6/39

All: 0.003+/-0.000 χ^2/NDF: 11751749.6/75

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: 0.007+/-0.010 χ^2/NDF:29.2/19

Left: 0.006+/-0.007 χ^2/NDF: 59.6/40

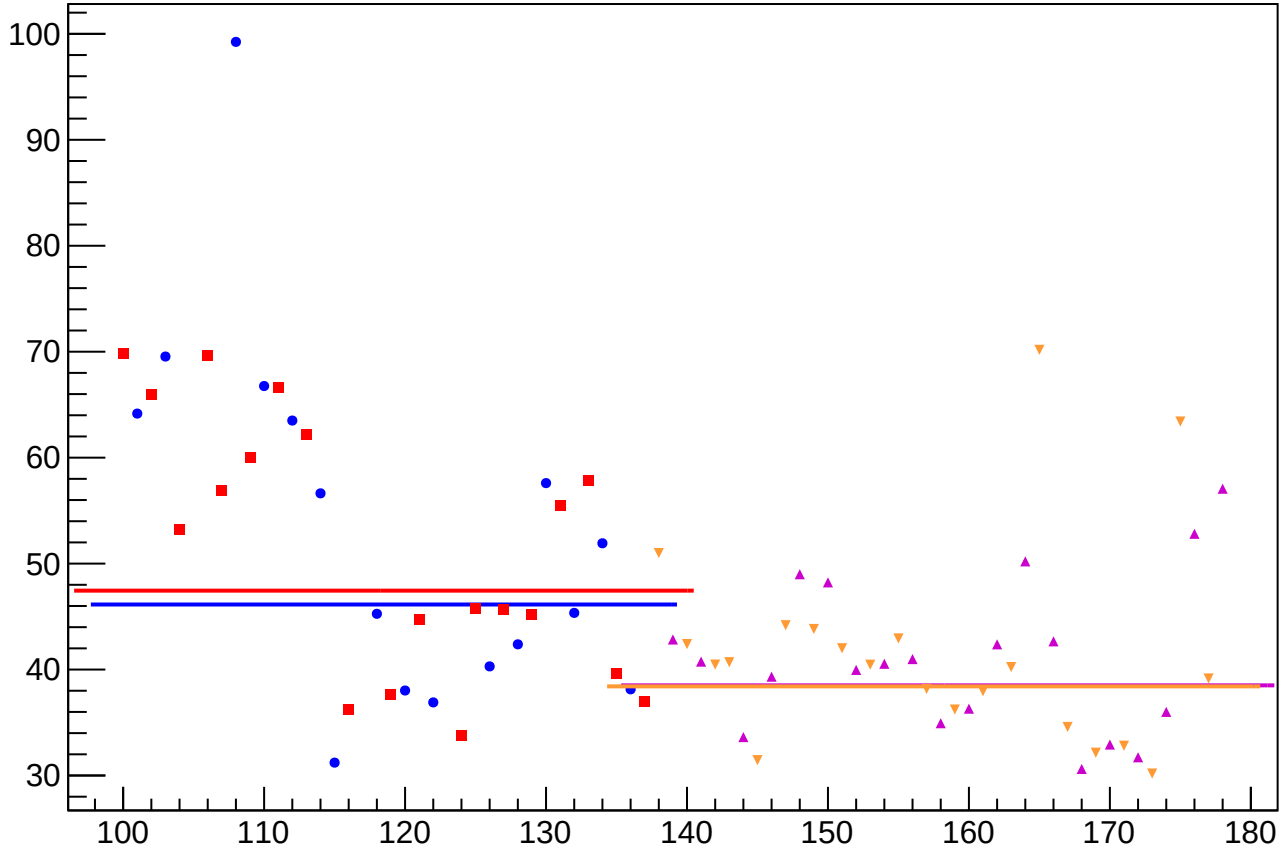
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: 0.003+/-0.009 χ^2/NDF:44.1/35

Out: 0.004+/-0.009 χ^2/NDF:44.5/39

All: 0.003+/-0.006 χ^2/NDF: 88.6/75

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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: 38.508+/-0.007 χ^2/NDF:785262.1/19

Left: 38.460+/-0.005 χ^2/NDF: 1773875.0/40

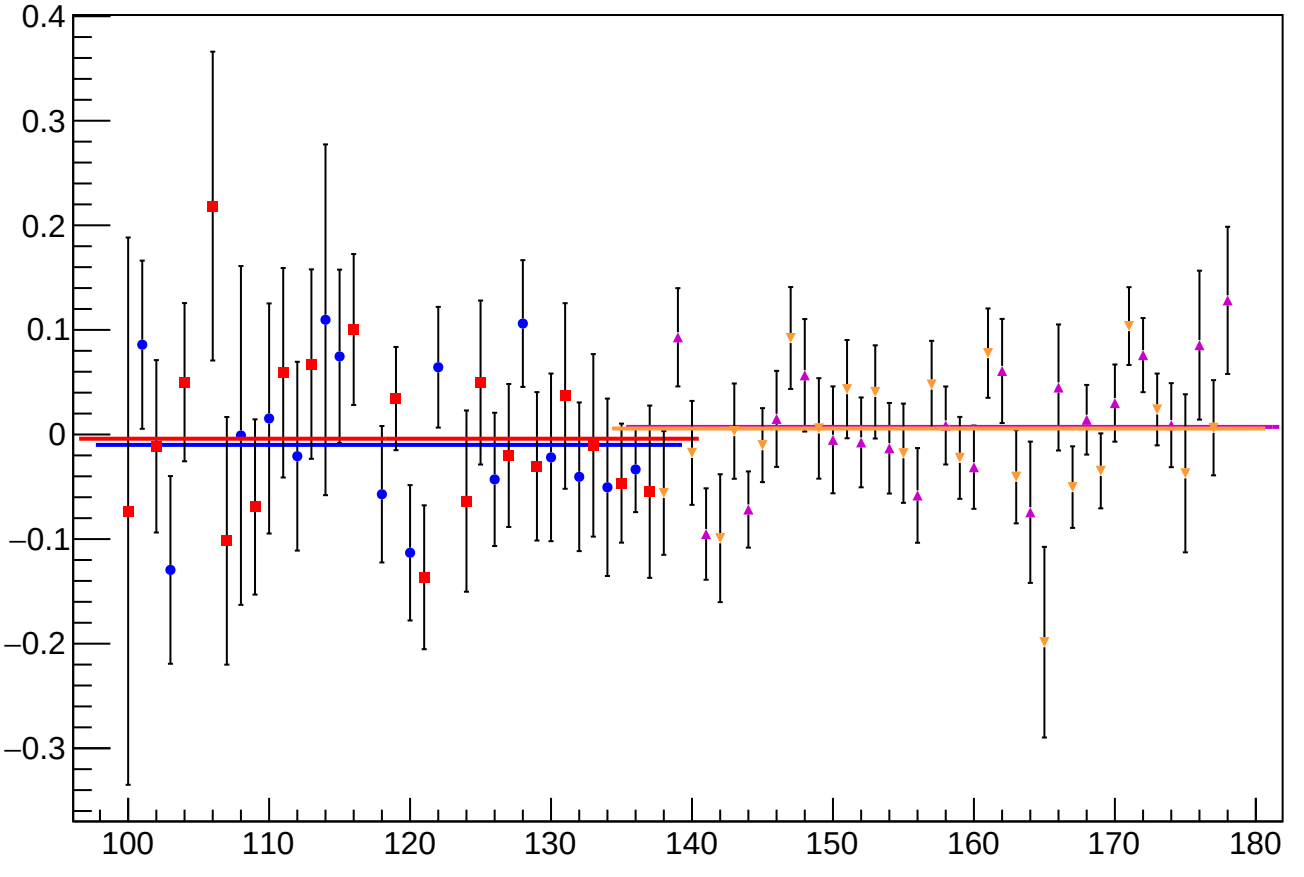
Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 40.283+/-0.006 χ^2/NDF:1964659.5/35

Out: 40.441+/-0.006 χ^2/NDF:2030074.0/39

All: 40.363+/-0.004 χ^2/NDF: 3995068.8/75

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.5/20

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.007+/-0.010 χ^2/NDF:29.2/19

Left: 0.006+/-0.007 χ^2/NDF: 59.6/40

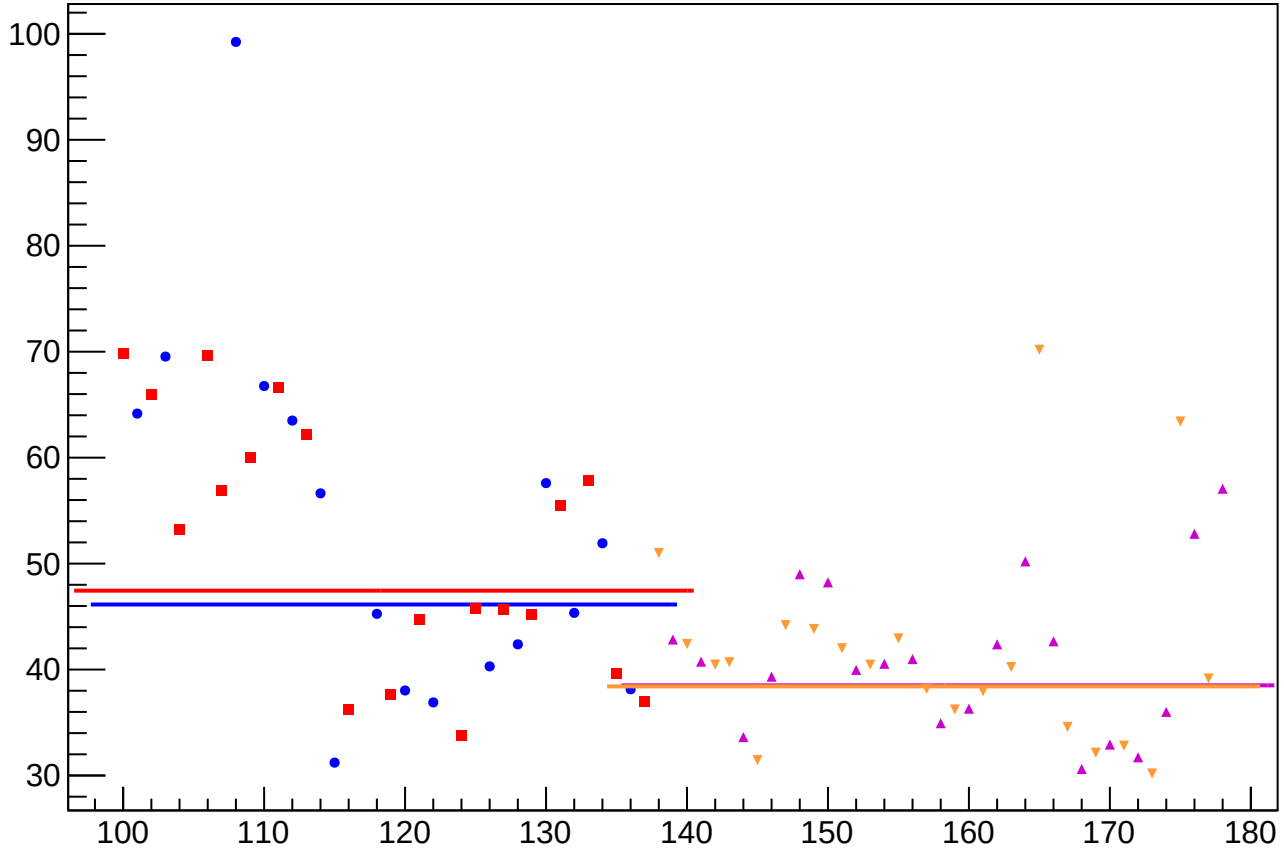
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: 0.003+/-0.009 χ^2/NDF:44.1/35

Out: 0.004+/-0.009 χ^2/NDF:44.5/39

All: 0.003+/-0.006 χ^2/NDF: 88.6/75

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 38.413+/-0.007 χ^2/NDF:988518.7/20

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 38.508+/-0.007 χ^2/NDF:785262.1/19

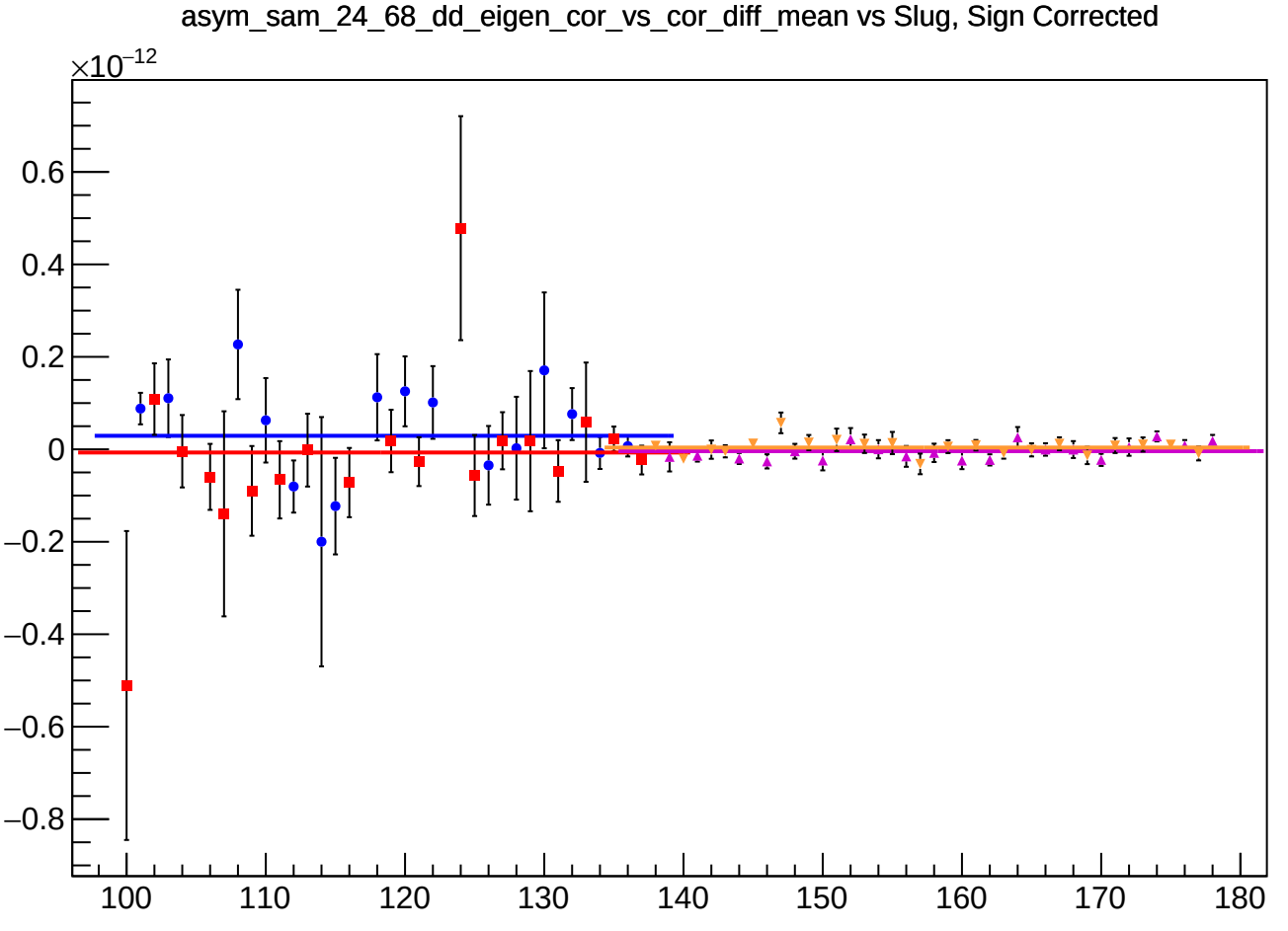
Left: 38.460+/-0.005 χ^2/NDF: 1773875.0/40

Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 40.283+/-0.006 χ^2/NDF:1964659.5/35

Out: 40.441+/-0.006 χ^2/NDF:2030074.0/39

All: 40.363+/-0.004 χ^2/NDF: 3995068.8/75



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:27.0/19

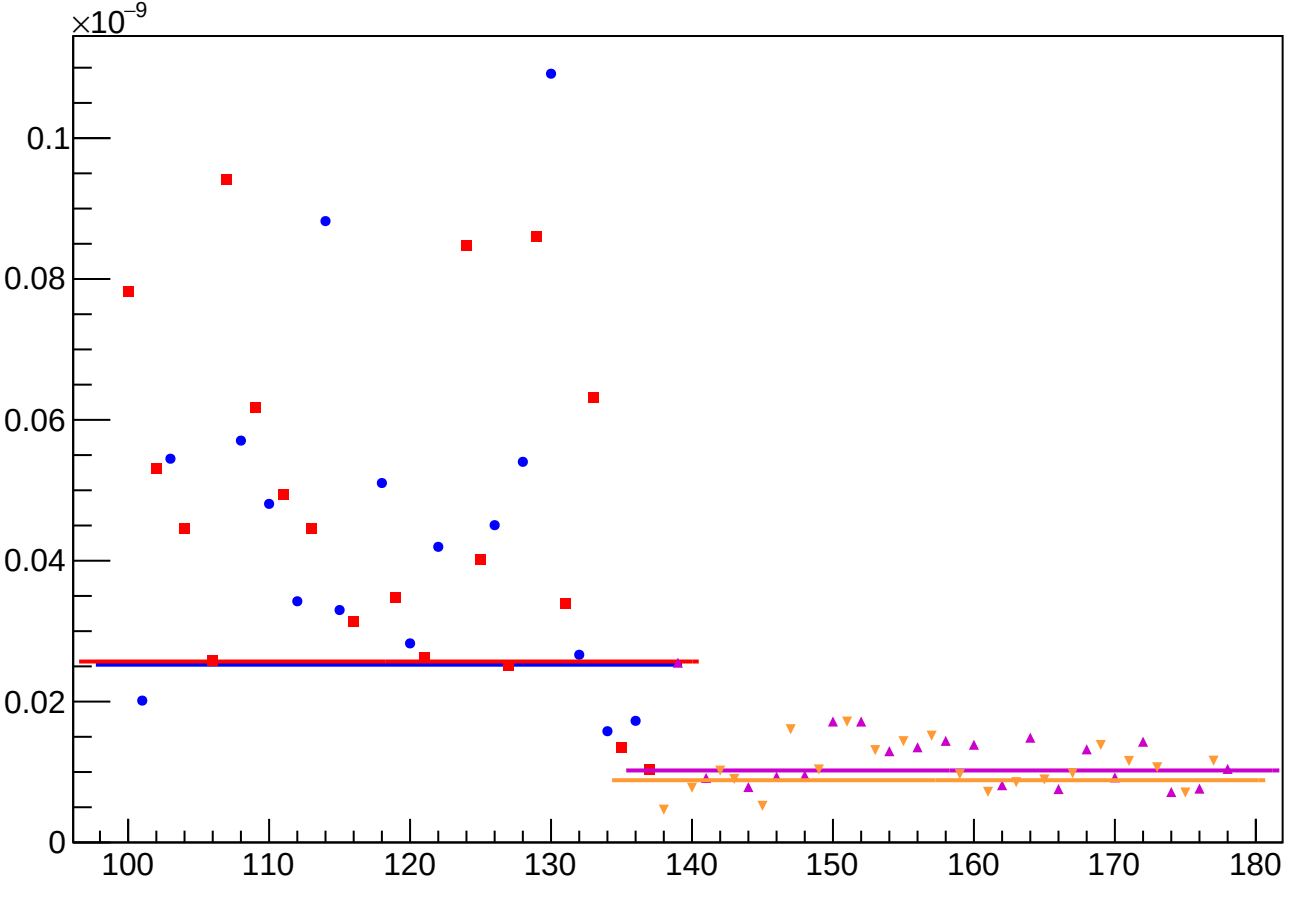
Left: 0.000+/-0.000 χ^2/NDF: 49.7/40

Right: 0.000+/-0.000 χ^2/NDF: 38.5/34

In: -0.000+/-0.000 χ^2/NDF:53.6/35

Out: 0.000+/-0.000 χ^2/NDF:34.7/39

All: 0.000+/-0.000 χ^2/NDF: 89.6/75



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:1829989.6/19

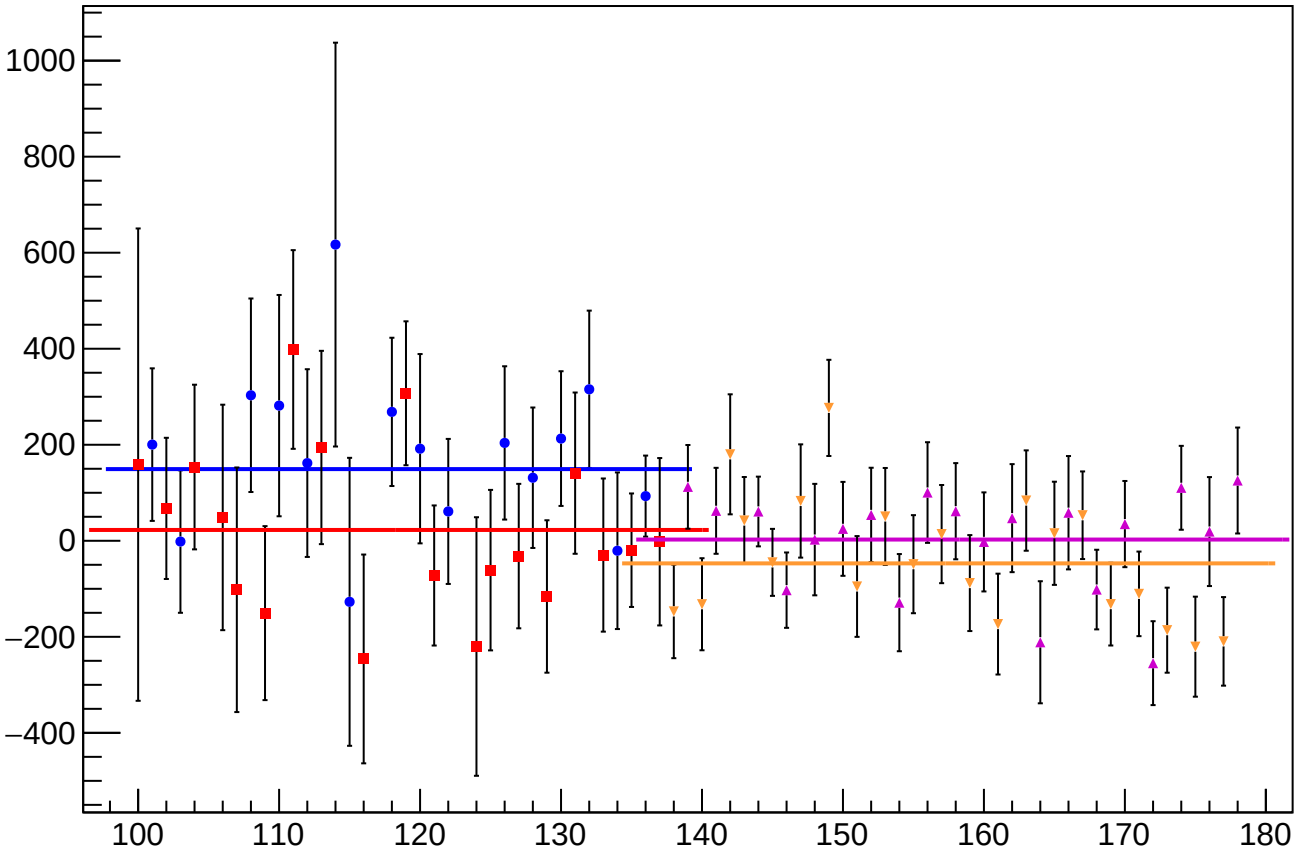
Left: 0.000+/-0.000 χ^2/NDF: 3935986.8/40

Right: 0.000+/-0.000 χ^2/NDF: 4909837.4/34

In: 0.000+/-0.000 χ^2/NDF:6264237.9/35

Out: 0.000+/-0.000 χ^2/NDF:7358749.4/39

All: 0.000+/-0.000 χ^2/NDF: 13872385.0/75



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: 2.565+/-21.431 χ^2/NDF:24.1/19

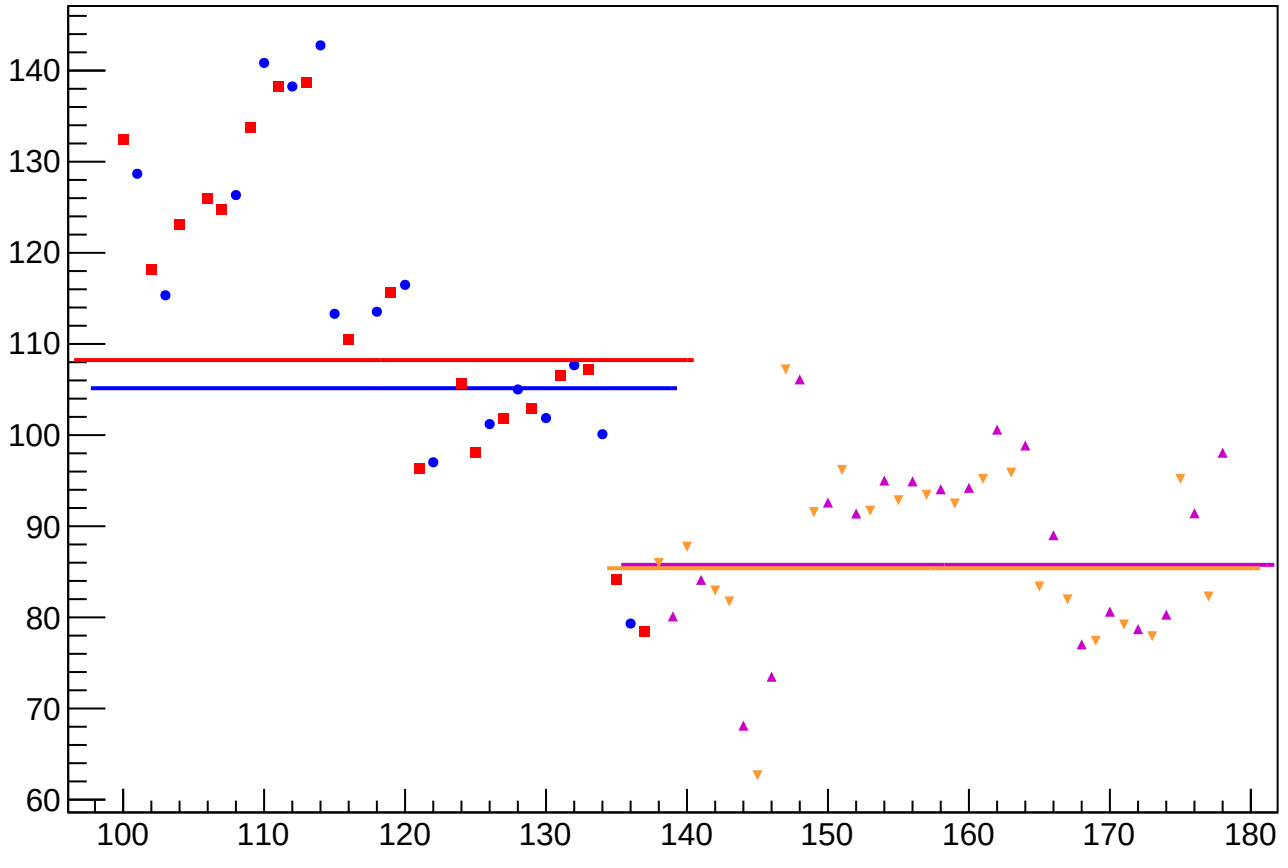
Left: -22.637+/-15.033 χ^2/NDF: 60.7/40

Right: 86.583+/-28.208 χ^2/NDF: 27.3/34

In: 35.693+/-18.857 χ^2/NDF:42.7/35

Out: -31.968+/-18.668 χ^2/NDF:50.4/39

All: 1.523+/-13.267 χ^2/NDF: 99.6/75



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: 85.765+/-0.015 χ^2/NDF:450046.2/19

Left: 85.575+/-0.011 χ^2/NDF: 908102.8/40

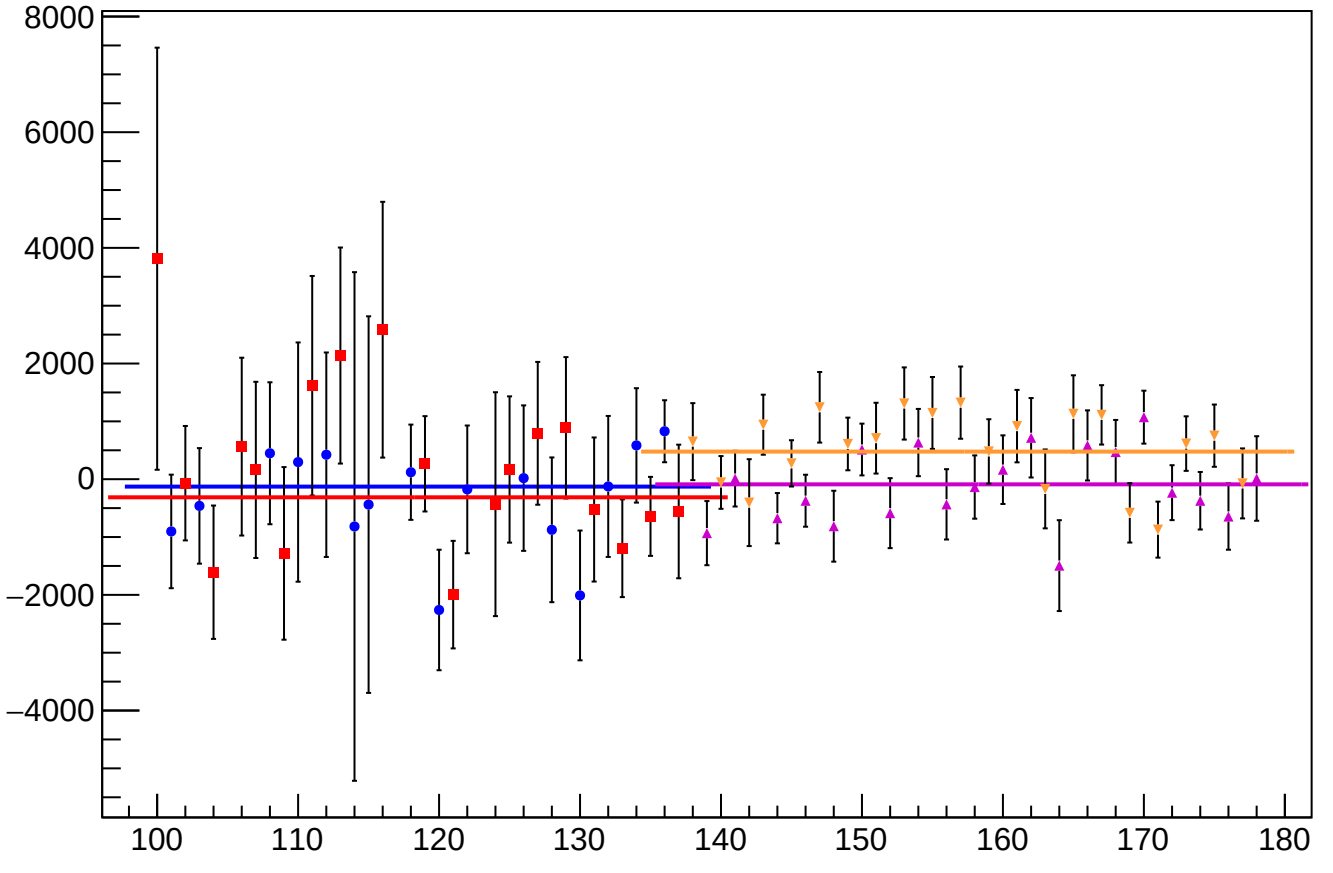
Right: 106.674+/-0.020 χ^2/NDF: 764328.3/34

In: 90.141+/-0.013 χ^2/NDF:1227730.4/35

Out: 90.342+/-0.013 χ^2/NDF:1315952.9/39

All: 90.242+/-0.009 χ^2/NDF: 2543798.0/75

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: -88.918+/-121.363 χ^2/NDF:25.1/19

Left: 197.257+/-85.343 χ^2/NDF: 63.7/40

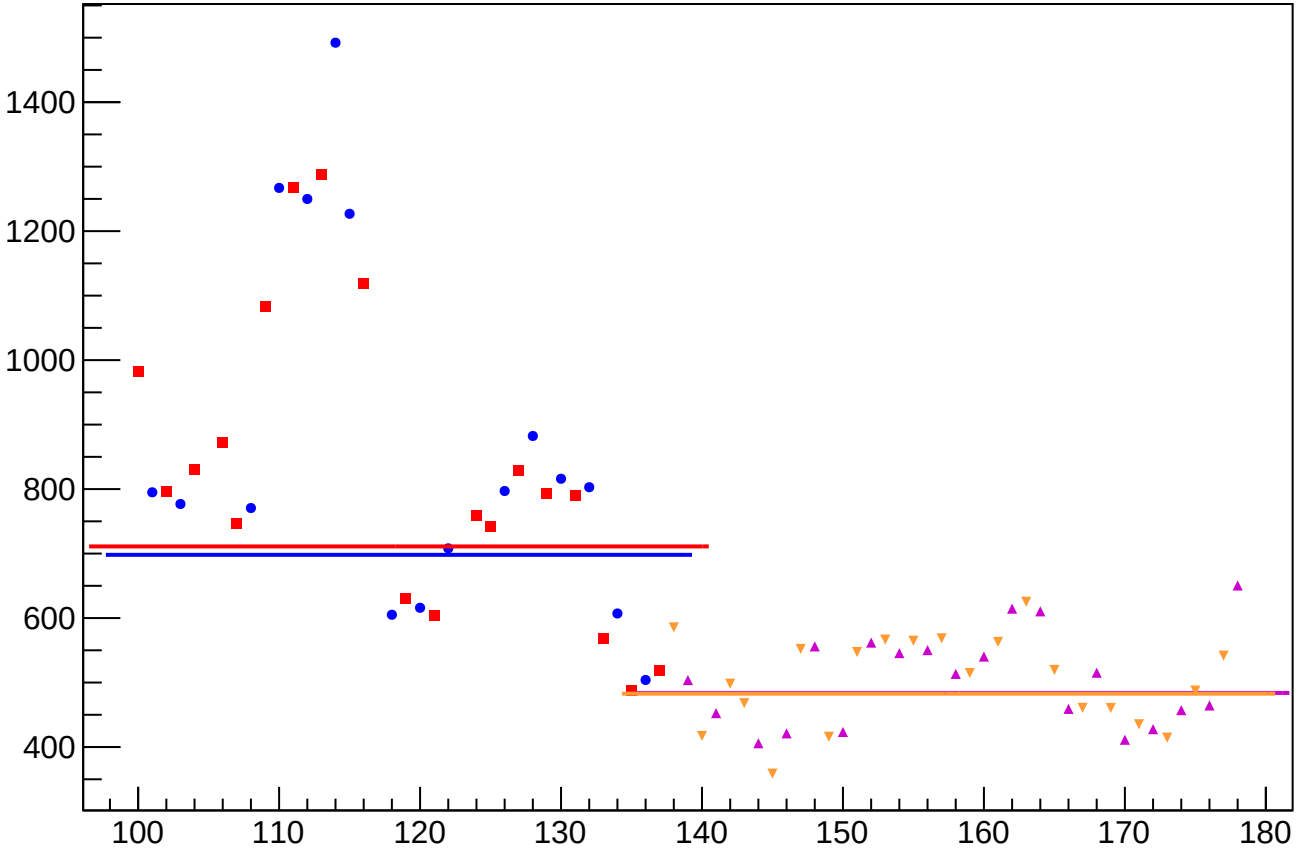
Right: -220.022+/-190.472 χ^2/NDF: 27.5/34

In: -95.554+/-110.598 χ^2/NDF:37.5/35

Out: 346.892+/-109.691 χ^2/NDF:49.7/39

All: 127.491+/-77.882 χ^2/NDF: 95.2/75

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: 483.869+/-0.086 χ^2/NDF:606634.6/19

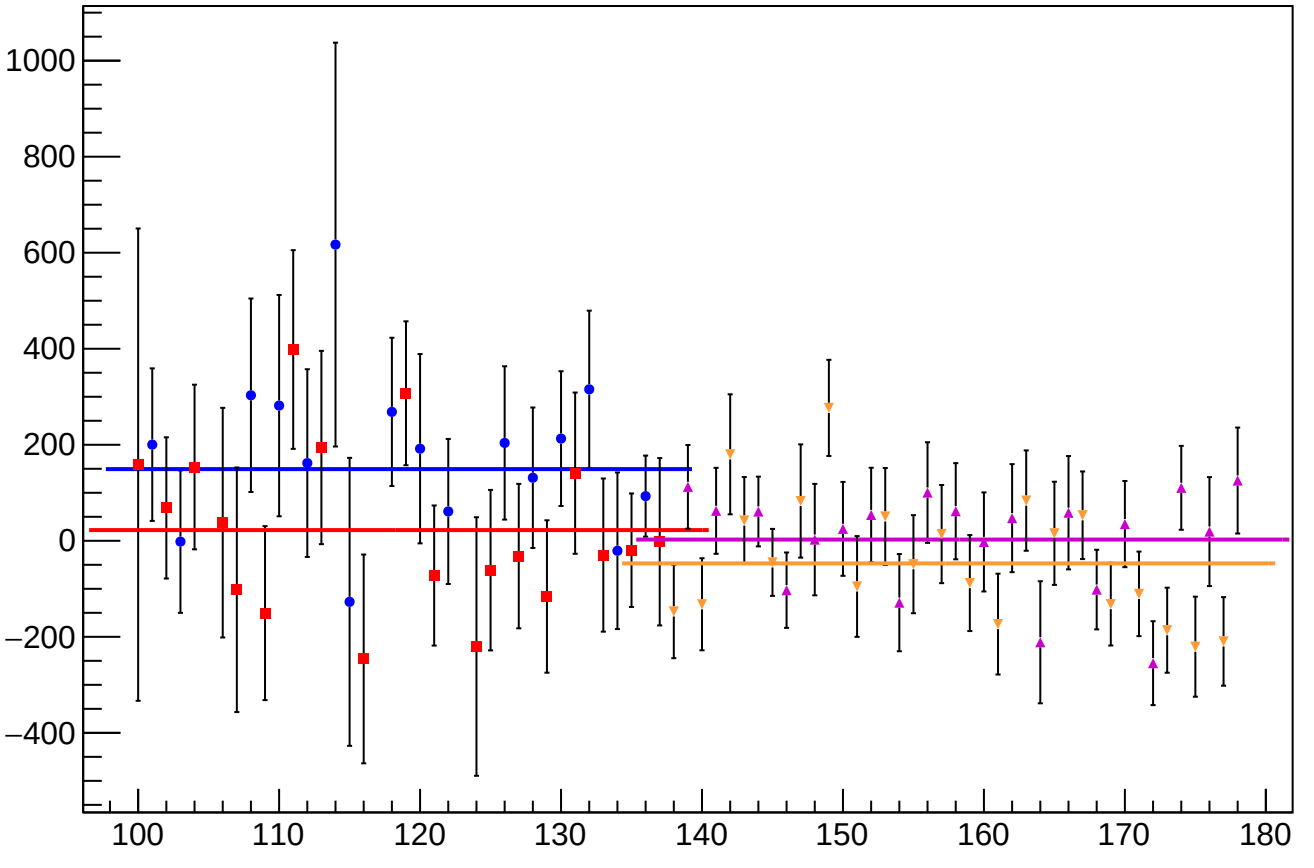
Left: 483.286+/-0.060 χ^2/NDF: 1310436.3/40

Right: 704.534+/-0.135 χ^2/NDF: 1950310.9/34

In: 520.180+/-0.078 χ^2/NDF:2575537.1/35

Out: 520.372+/-0.078 χ^2/NDF:2932569.7/39

All: 520.277+/-0.055 χ^2/NDF: 5508109.8/75



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: 2.564+/-21.431 χ^2/NDF:24.1/19

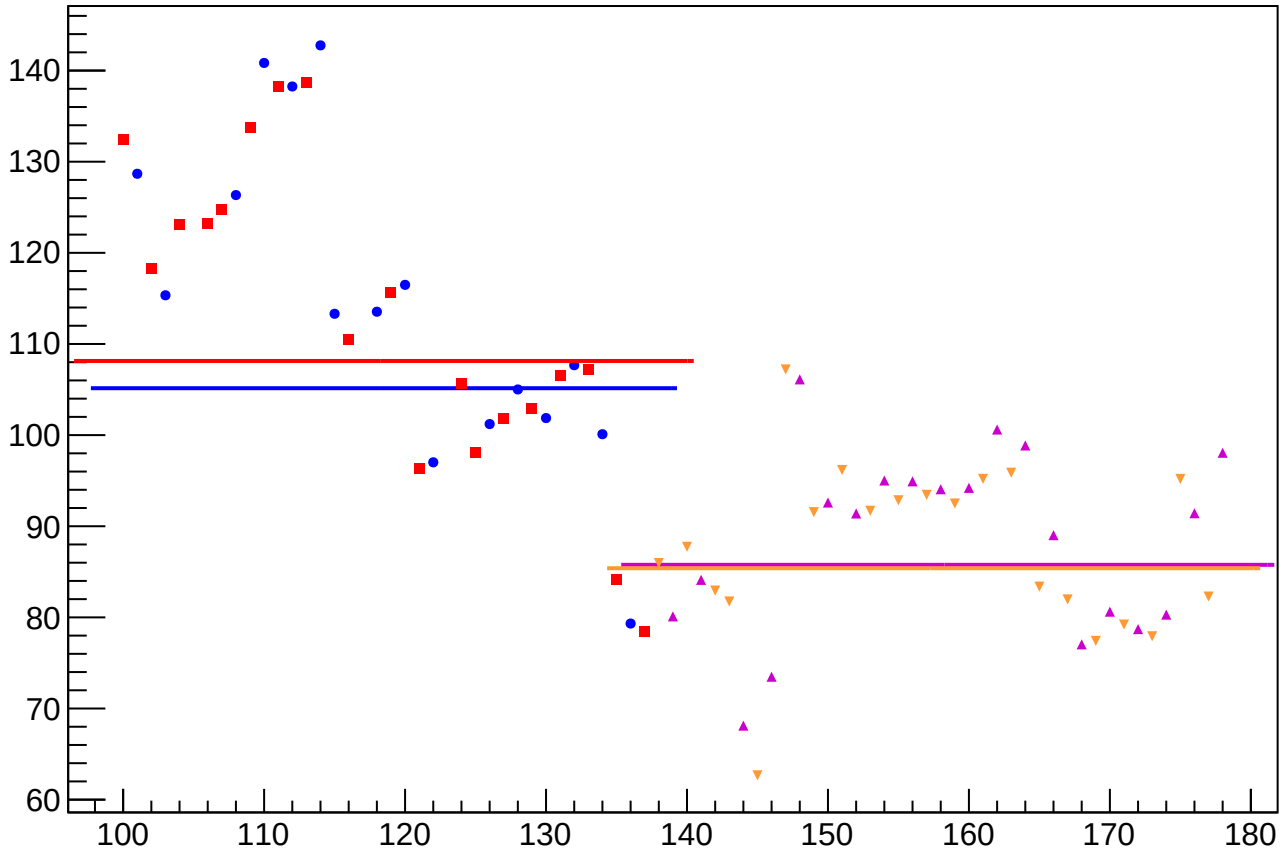
Left: -22.639+/-15.033 χ^2/NDF: 60.7/40

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 35.690+/-18.857 χ^2/NDF:42.7/35

Out: -32.039+/-18.671 χ^2/NDF:50.4/39

All: 1.489+/-13.268 χ^2/NDF: 99.6/75



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: 85.765+/-0.015 χ^2/NDF:450046.3/19

Left: 85.575+/-0.011 χ^2/NDF: 908102.8/40

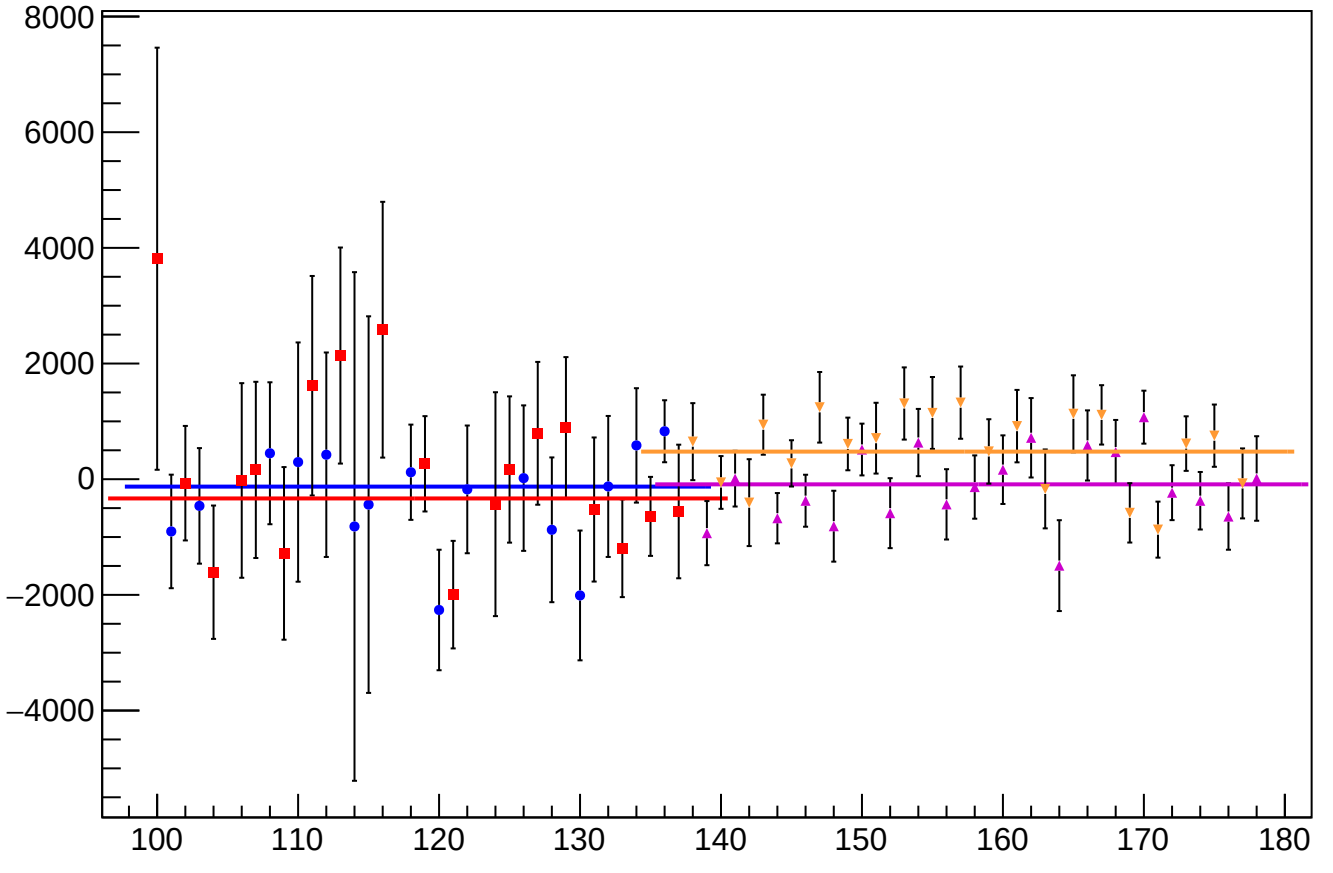
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 90.141+/-0.013 χ^2/NDF:1227730.8/35

Out: 90.317+/-0.013 χ^2/NDF:1307623.5/39

All: 90.230+/-0.009 χ^2/NDF: 2535442.0/75

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: -88.919+/-121.363 χ^2/NDF:25.1/19

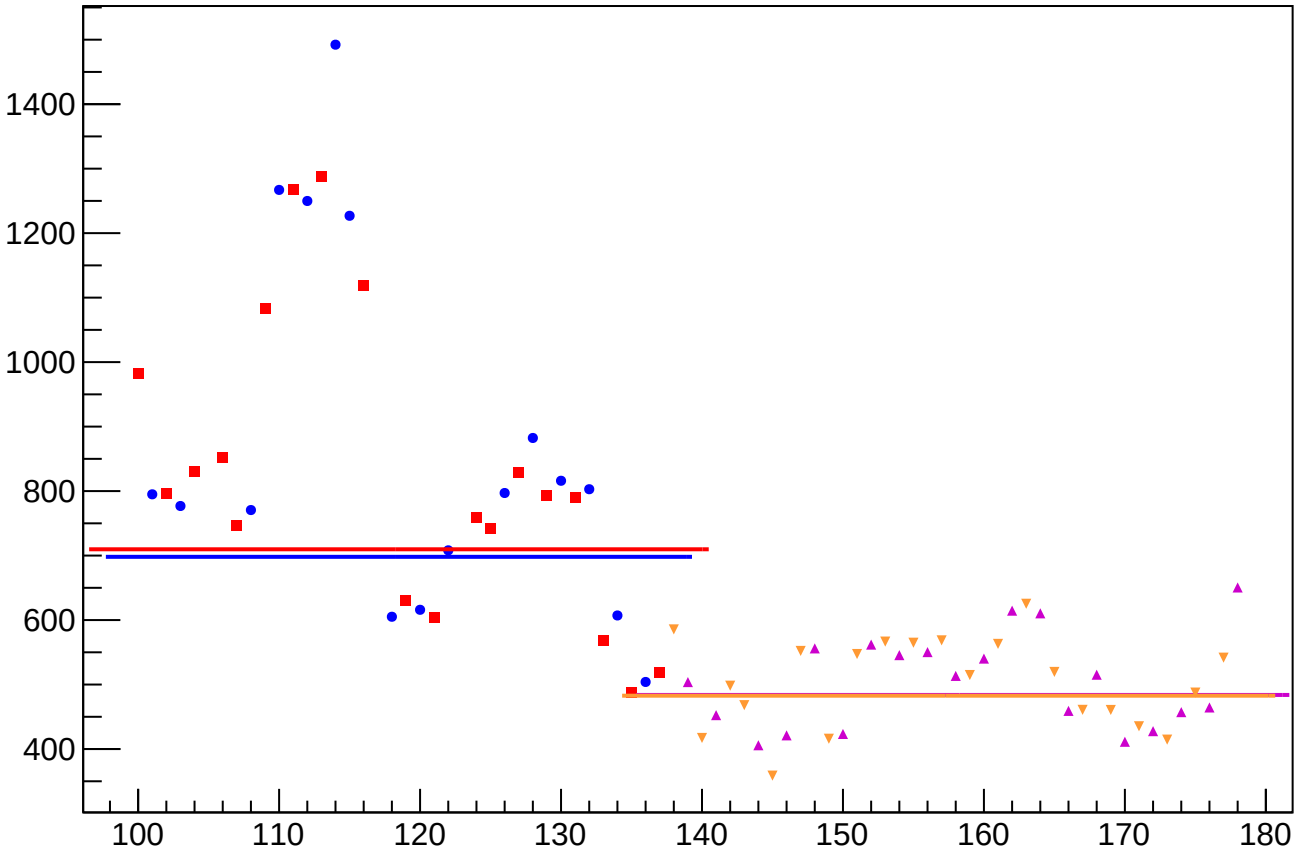
Left: 197.256+/-85.343 χ^2/NDF: 63.7/40

Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -95.552+/-110.598 χ^2/NDF:37.5/35

Out: 344.234+/-109.738 χ^2/NDF:49.7/39

All: 126.058+/-77.899 χ^2/NDF: 95.1/75



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: 483.869+/-0.086 χ^2/NDF:606638.5/19

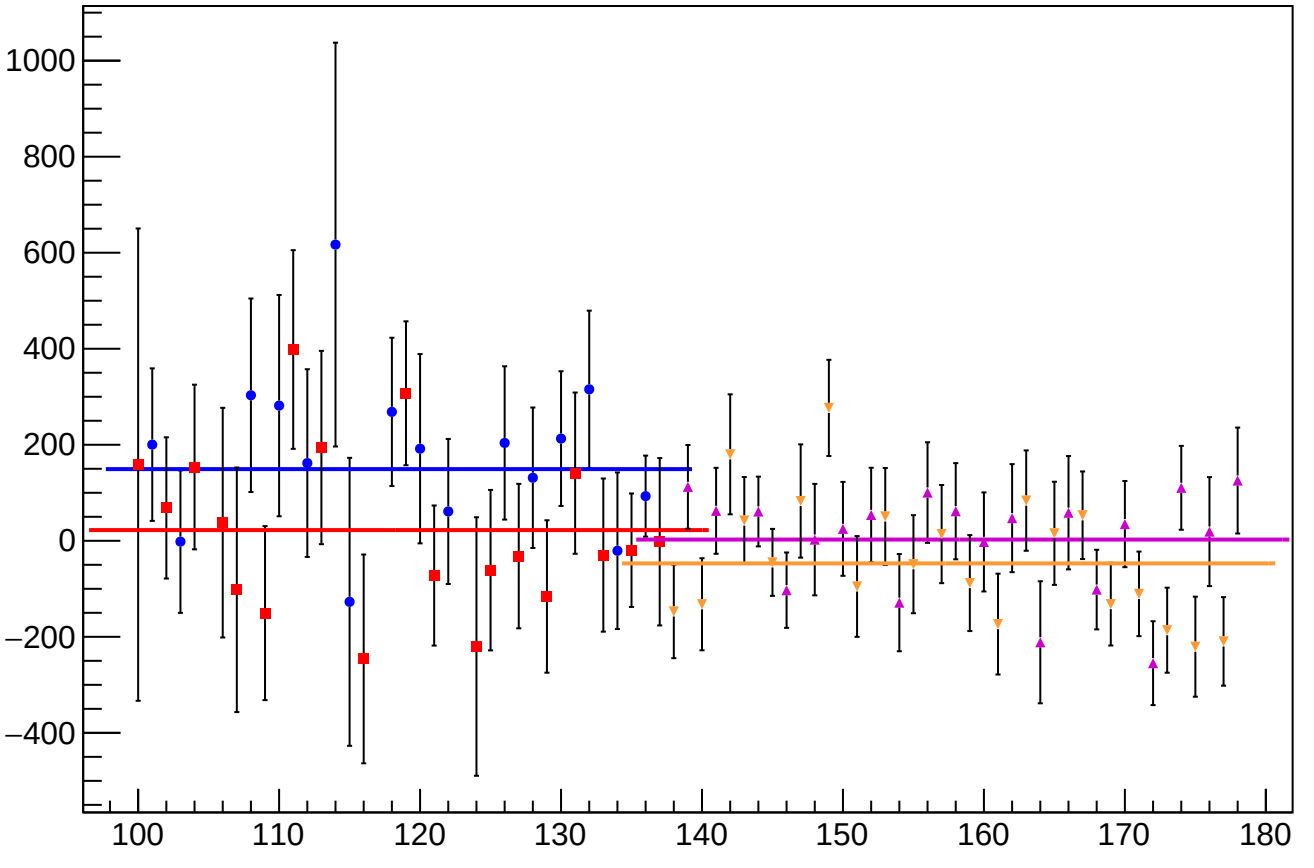
Left: 483.286+/-0.060 χ^2/NDF: 1310437.8/40

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 520.180+/-0.078 χ^2/NDF:2575554.3/35

Out: 519.989+/-0.078 χ^2/NDF:2905477.7/39

All: 520.084+/-0.055 χ^2/NDF: 5481034.9/75



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: 2.564+/-21.431 χ^2/NDF:24.1/19

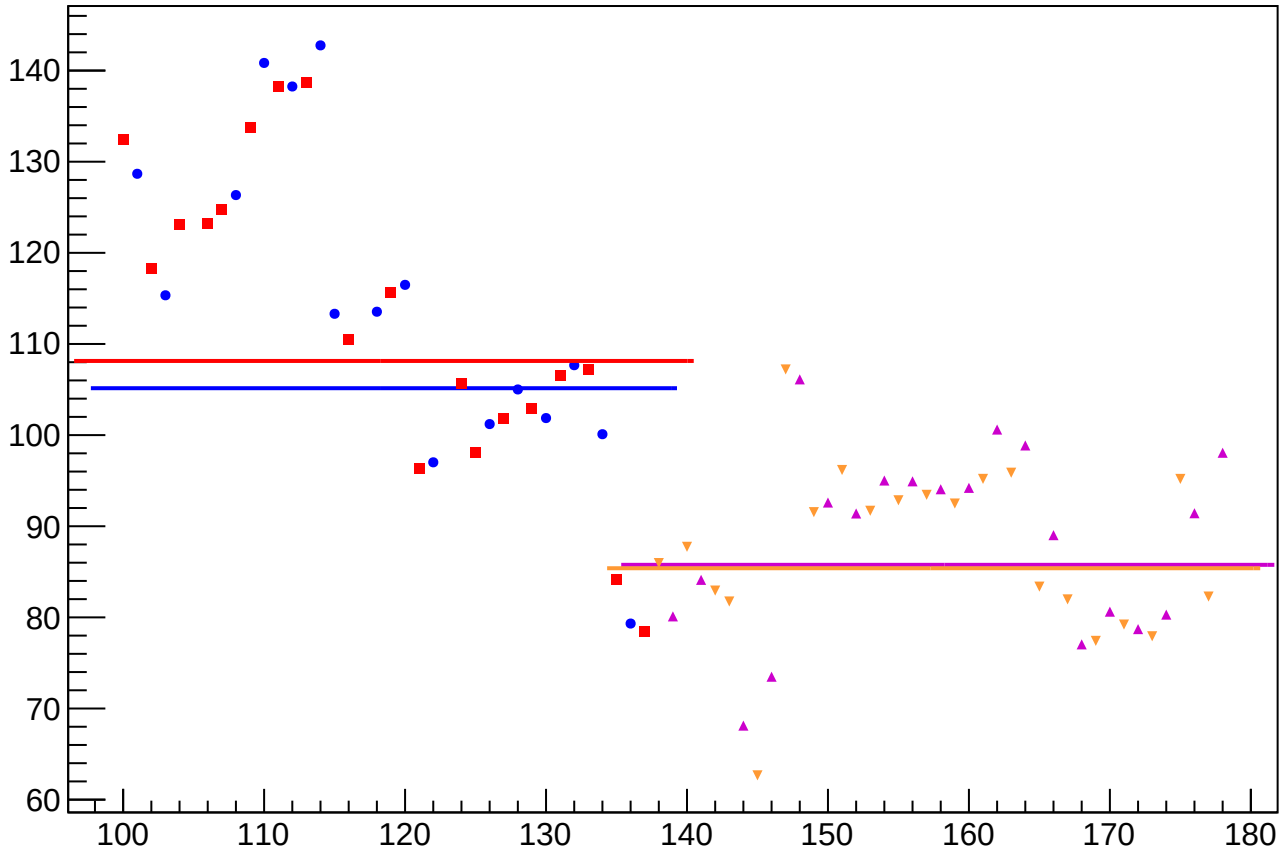
Left: -22.639+/-15.033 χ^2/NDF: 60.7/40

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 35.690+/-18.857 χ^2/NDF:42.7/35

Out: -32.039+/-18.671 χ^2/NDF:50.4/39

All: 1.489+/-13.268 χ^2/NDF: 99.6/75



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: 85.765+/-0.015 χ^2/NDF:450046.3/19

Left: 85.575+/-0.011 χ^2/NDF: 908102.8/40

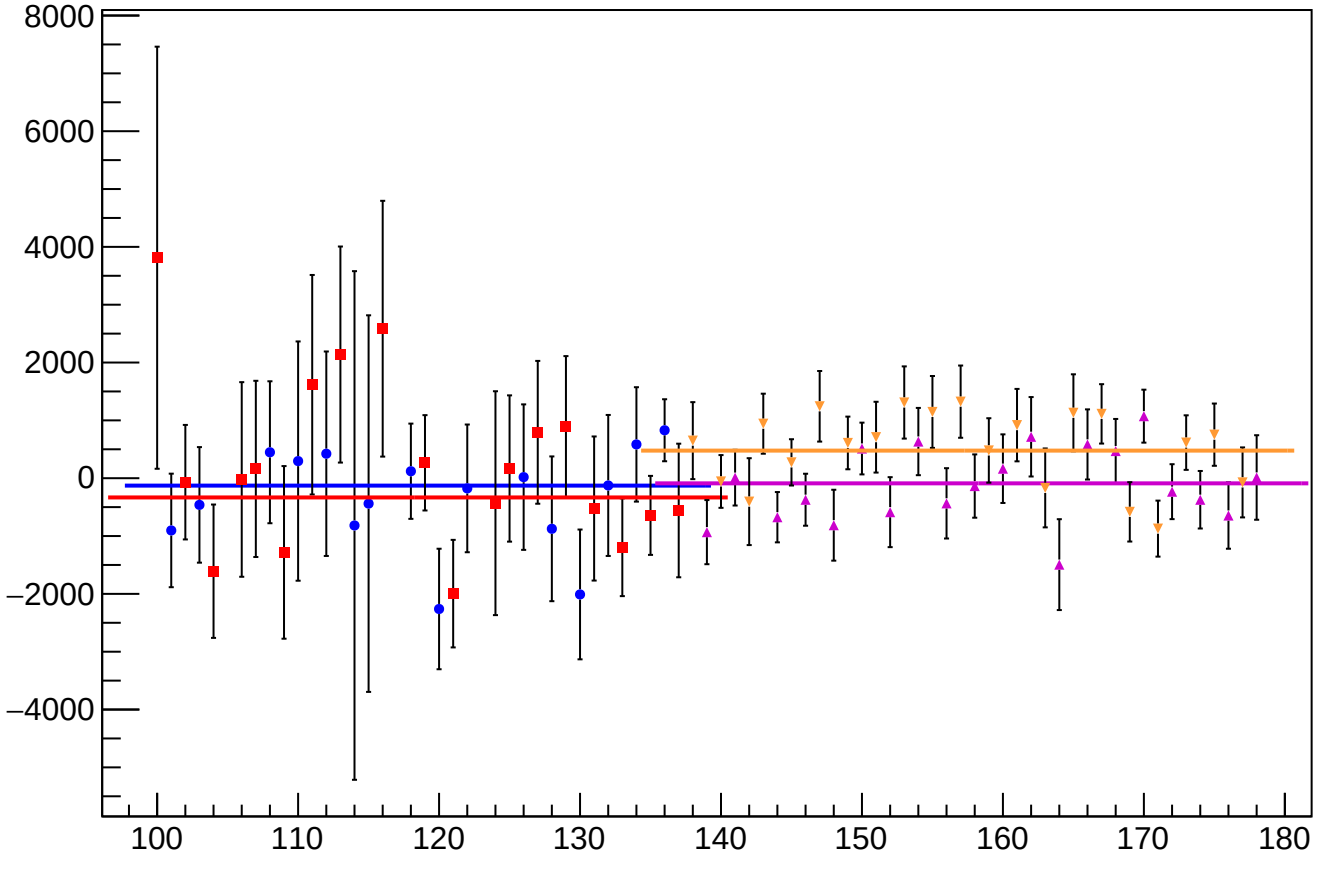
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 90.141+/-0.013 χ^2/NDF:1227730.8/35

Out: 90.317+/-0.013 χ^2/NDF:1307623.5/39

All: 90.230+/-0.009 χ^2/NDF: 2535442.0/75

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: -88.919+/-121.363 χ^2/NDF:25.1/19

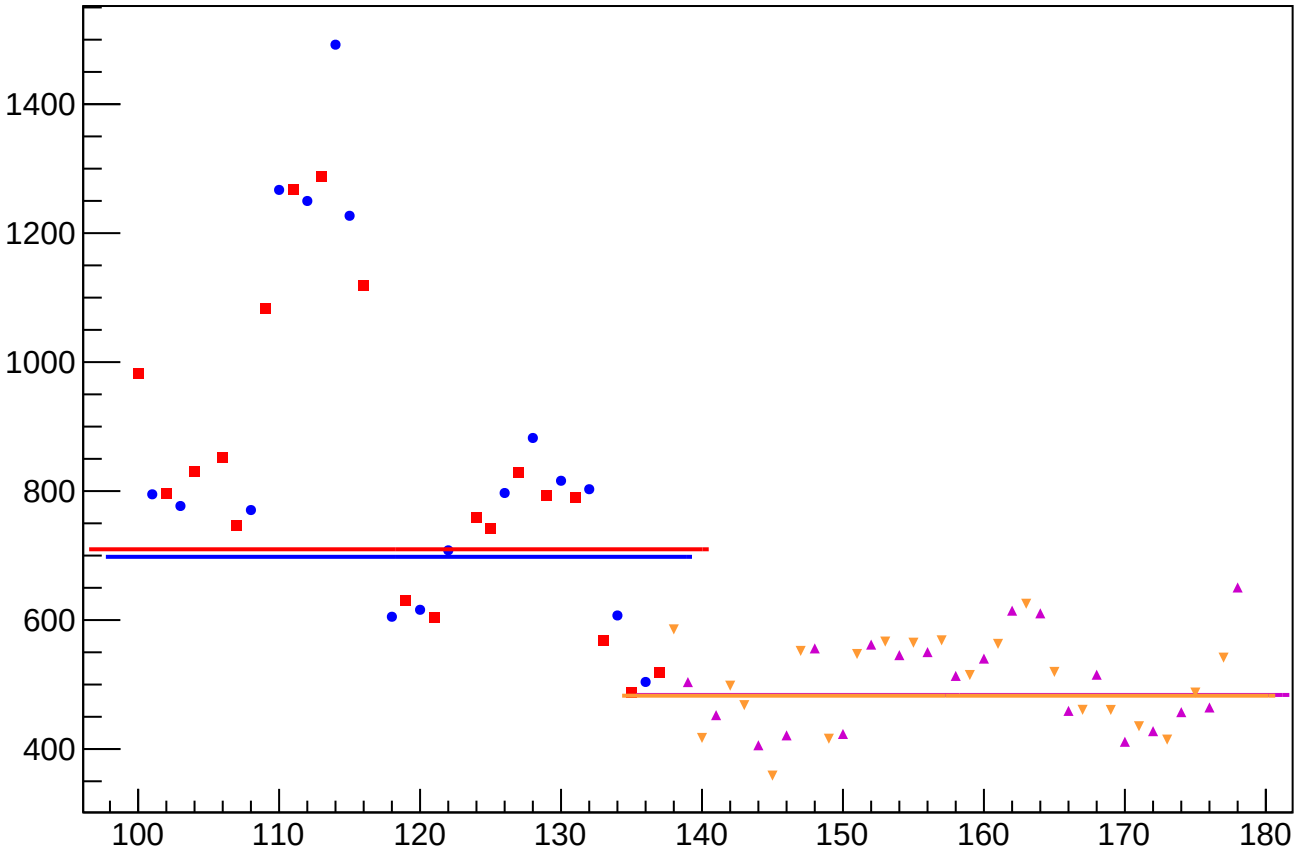
Left: 197.256+/-85.343 χ^2/NDF: 63.7/40

Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -95.552+/-110.598 χ^2/NDF:37.5/35

Out: 344.234+/-109.738 χ^2/NDF:49.7/39

All: 126.058+/-77.899 χ^2/NDF: 95.1/75



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: 483.869+/-0.086 χ^2/NDF:606638.5/19

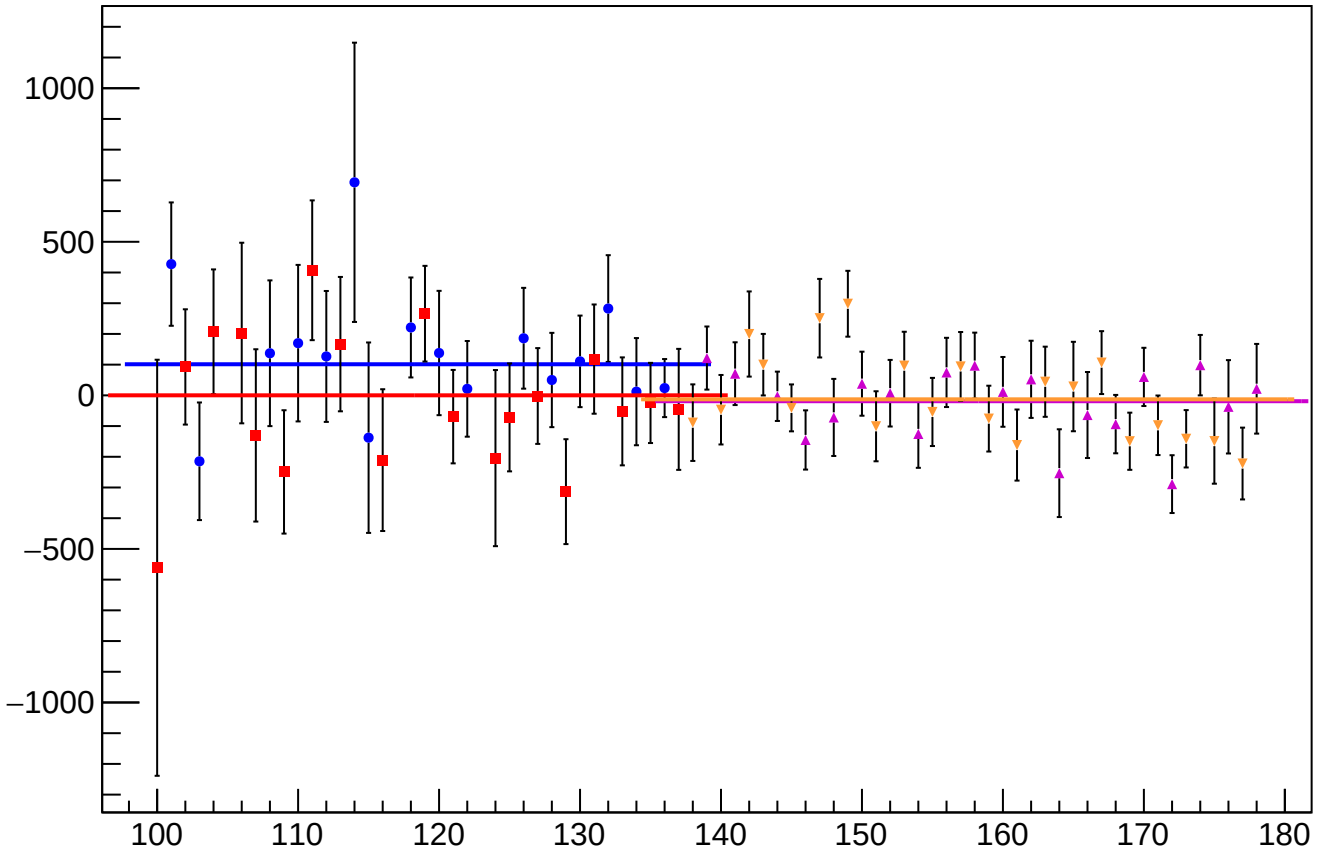
Left: 483.286+/-0.060 χ^2/NDF: 1310437.8/40

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 520.180+/-0.078 χ^2/NDF:2575554.3/35

Out: 519.989+/-0.078 χ^2/NDF:2905477.7/39

All: 520.084+/-0.055 χ^2/NDF: 5481034.9/75



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: -19.062+/-24.181 χ^2/NDF:21.9/19

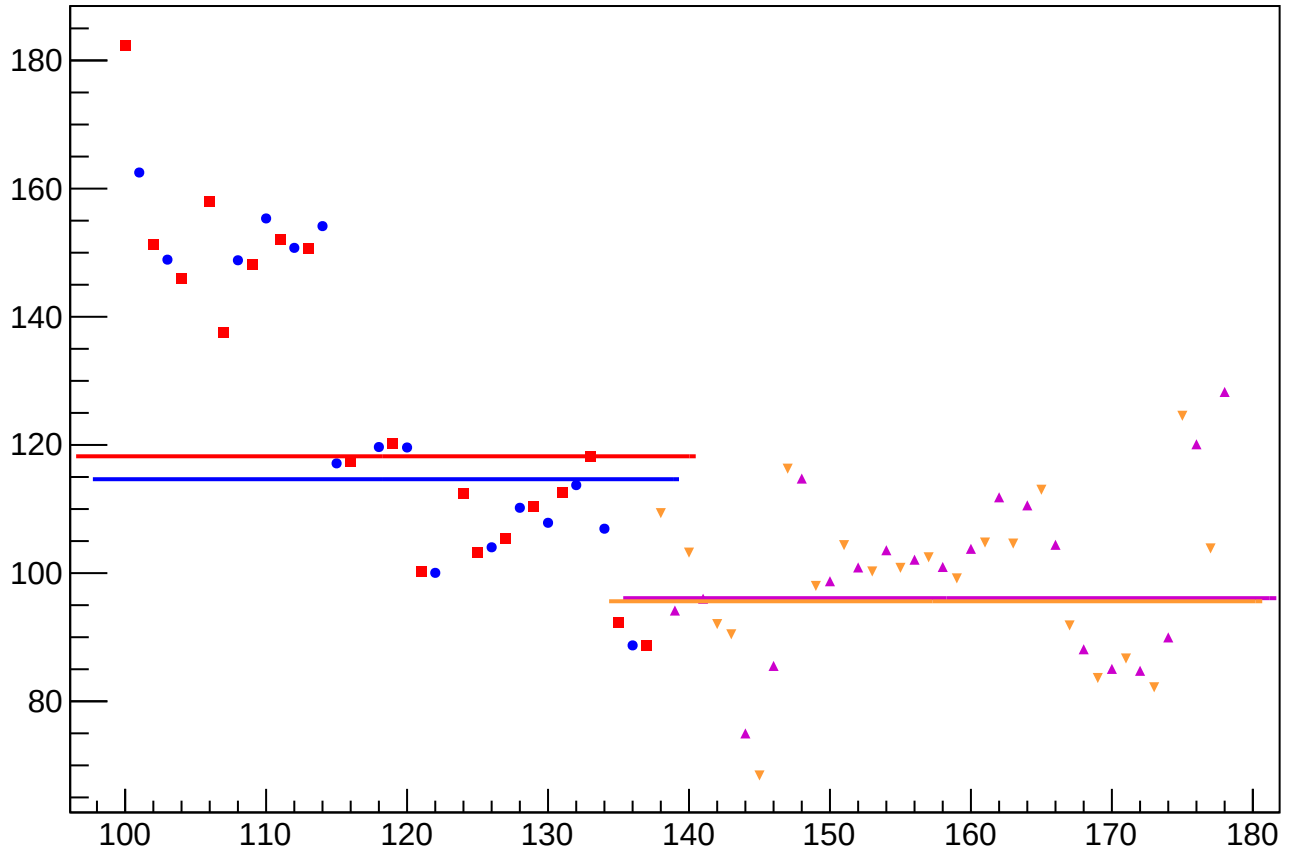
Left: -15.942+/-16.936 χ^2/NDF: 54.2/40

Right: 51.310+/-30.950 χ^2/NDF: 30.3/34

In: 9.337+/-21.136 χ^2/NDF:38.8/35

Out: -9.999+/-20.889 χ^2/NDF:48.9/39

All: -0.445+/-14.857 χ^2/NDF: 88.1/75



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: 96.092+/-0.017 χ^2/NDF:524384.7/19

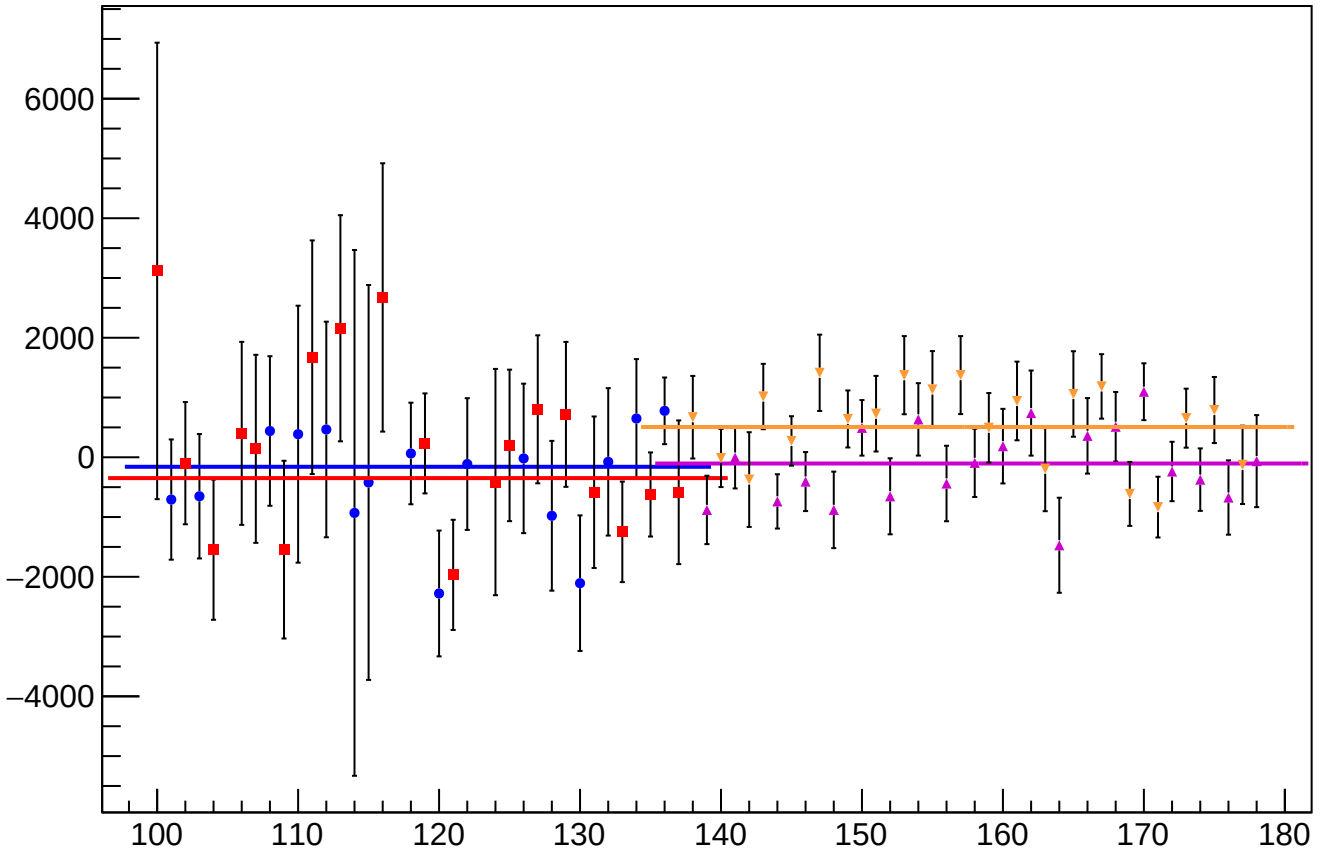
Left: 95.846+/-0.012 χ^2/NDF: 1145440.6/40

Right: 116.421+/-0.022 χ^2/NDF: 1022057.2/34

In: 100.473+/-0.015 χ^2/NDF:1334476.2/35

Out: 100.699+/-0.015 χ^2/NDF:1513109.0/39

All: 100.587+/-0.011 χ^2/NDF: 2847701.3/75



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: -104.187+/-127.449 χ^2/NDF:23.6/19

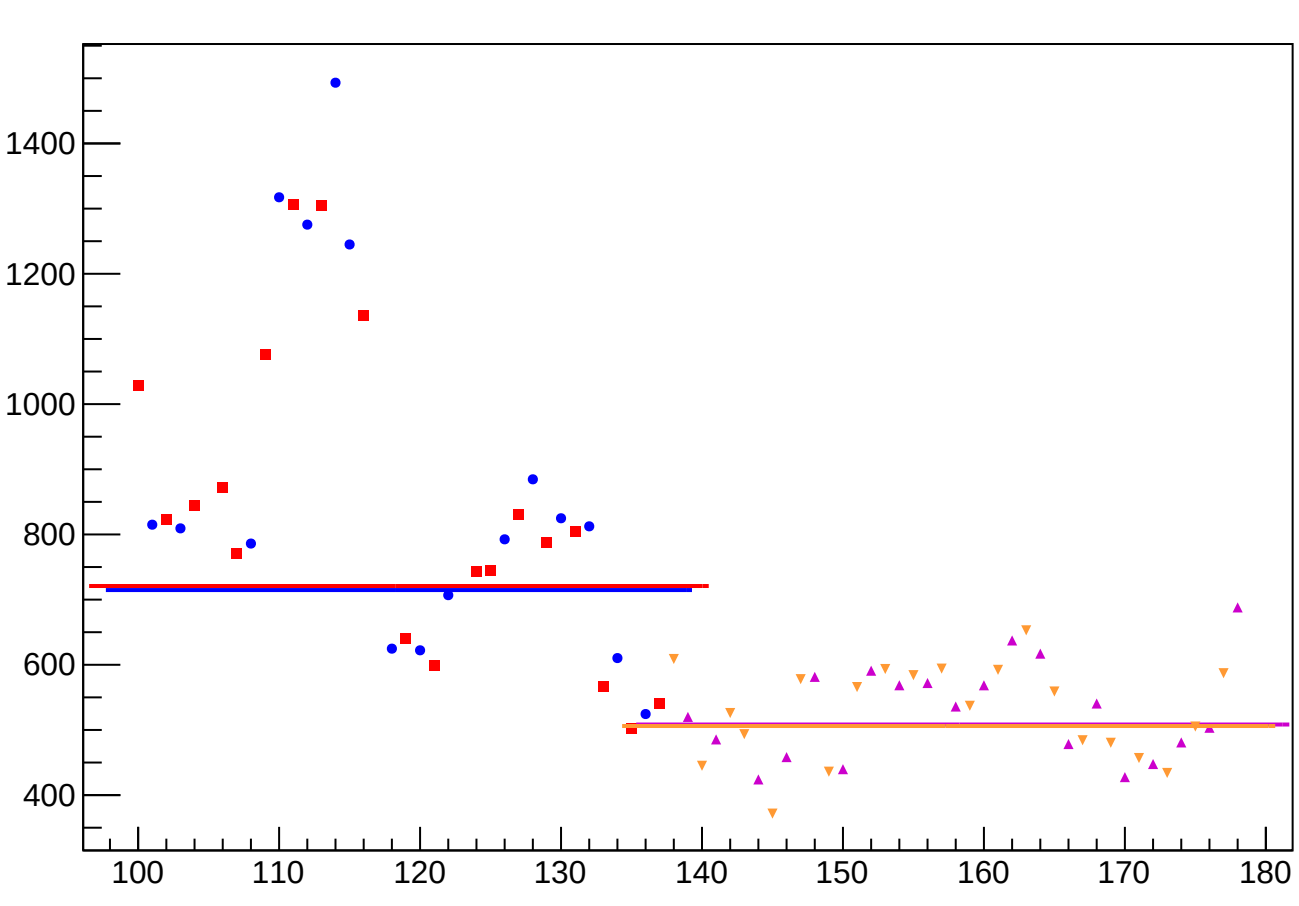
Left: 205.515+/-89.508 χ^2/NDF: 61.8/40

Right: -254.152+/-193.800 χ^2/NDF: 26.5/34

In: -113.924+/-115.601 χ^2/NDF:35.6/35

Out: 357.772+/-114.248 χ^2/NDF:48.9/39

All: 124.701+/-81.260 χ^2/NDF: 92.9/75



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: 508.342+/-0.090 χ^2/NDF:576371.7/19

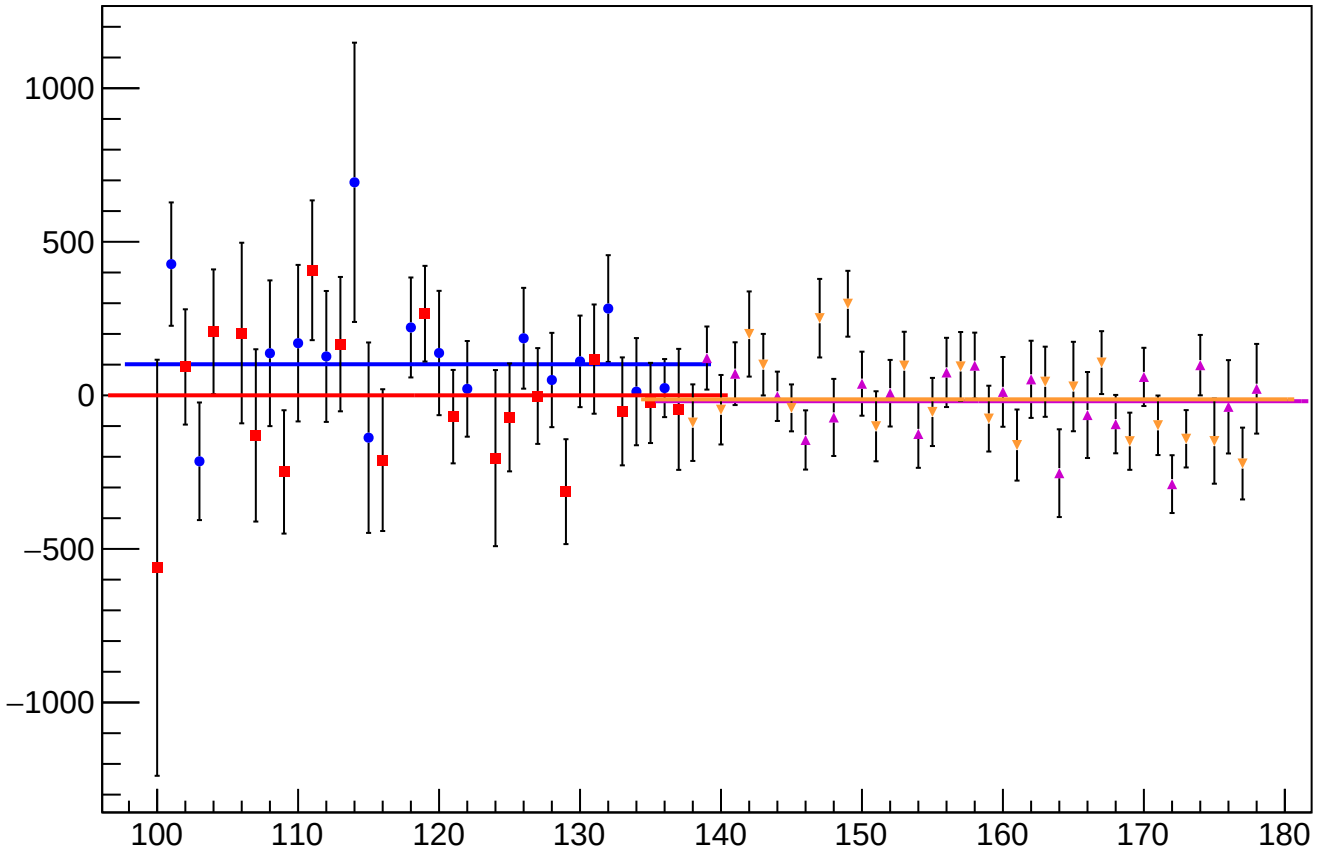
Left: 507.179+/-0.063 χ^2/NDF: 1289686.3/40

Right: 717.786+/-0.137 χ^2/NDF: 1895167.0/34

In: 544.919+/-0.082 χ^2/NDF:2381802.1/35

Out: 543.509+/-0.081 χ^2/NDF:2749585.8/39

All: 544.206+/-0.057 χ^2/NDF: 5131538.5/75



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: -19.062+/-24.181 χ^2/NDF:21.9/19

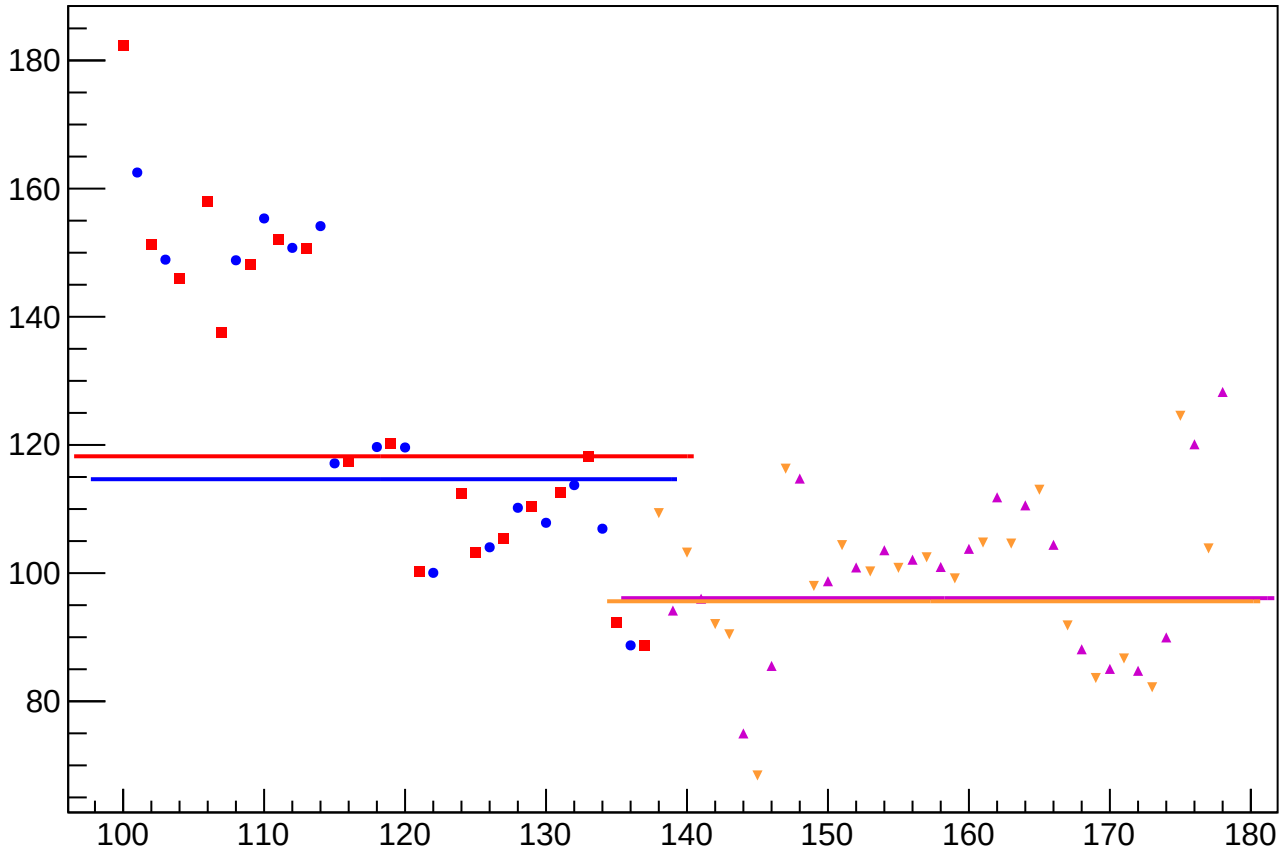
Left: -15.943+/-16.936 χ^2/NDF: 54.2/40

Right: 51.308+/-30.950 χ^2/NDF: 30.3/34

In: 9.337+/-21.136 χ^2/NDF:38.8/35

Out: -10.000+/-20.889 χ^2/NDF:48.9/39

All: -0.446+/-14.857 χ^2/NDF: 88.1/75



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: 96.092+/-0.017 χ^2/NDF:524378.0/19

Left: 95.846+/-0.012 χ^2/NDF: 1145438.5/40

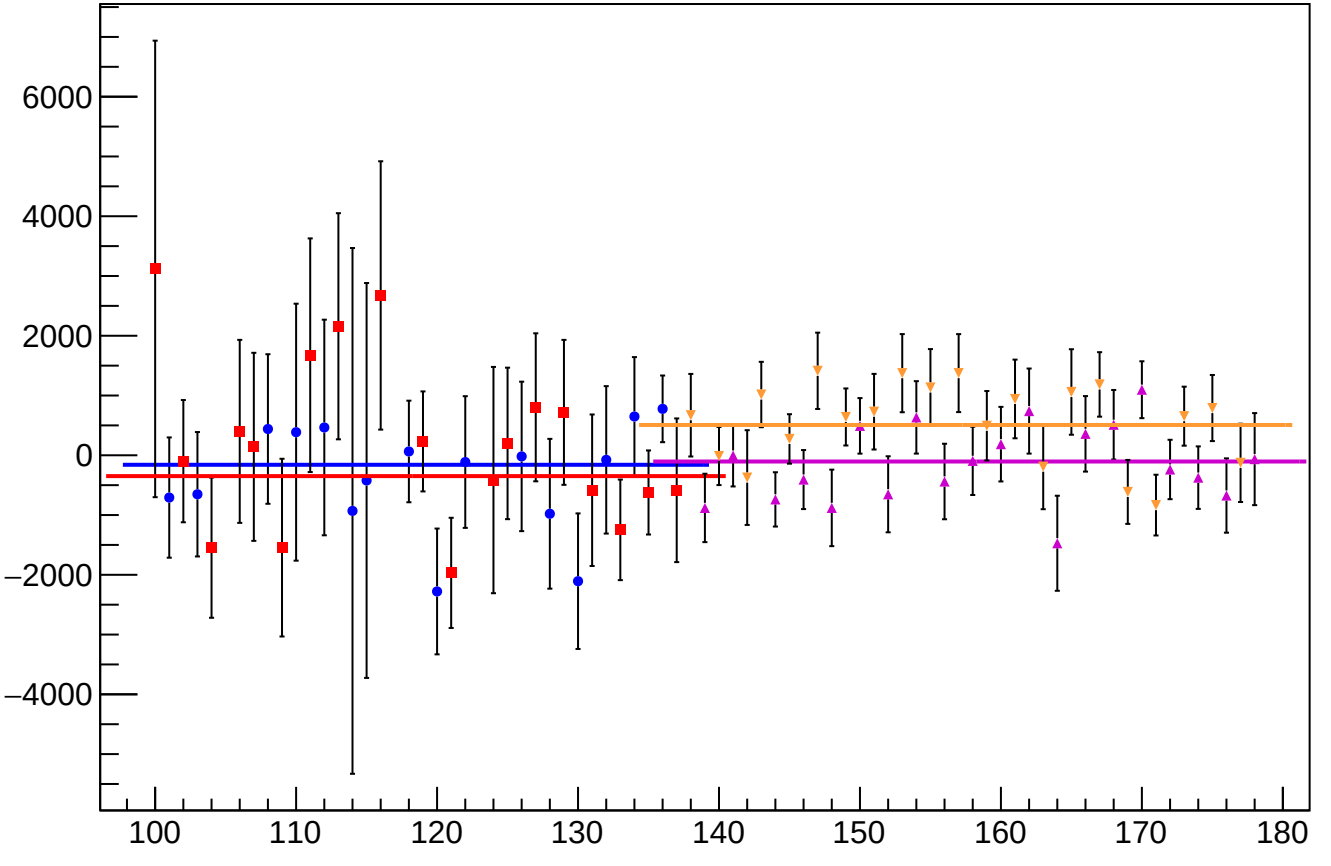
Right: 116.421+/-0.022 χ^2/NDF: 1022036.9/34

In: 100.473+/-0.015 χ^2/NDF:1334460.9/35

Out: 100.699+/-0.015 χ^2/NDF:1513108.7/39

All: 100.587+/-0.011 χ^2/NDF: 2847685.6/75

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: -104.187+/-127.449 χ^2/NDF:23.6/19

Left: 205.515+/-89.508 χ^2/NDF: 61.8/40

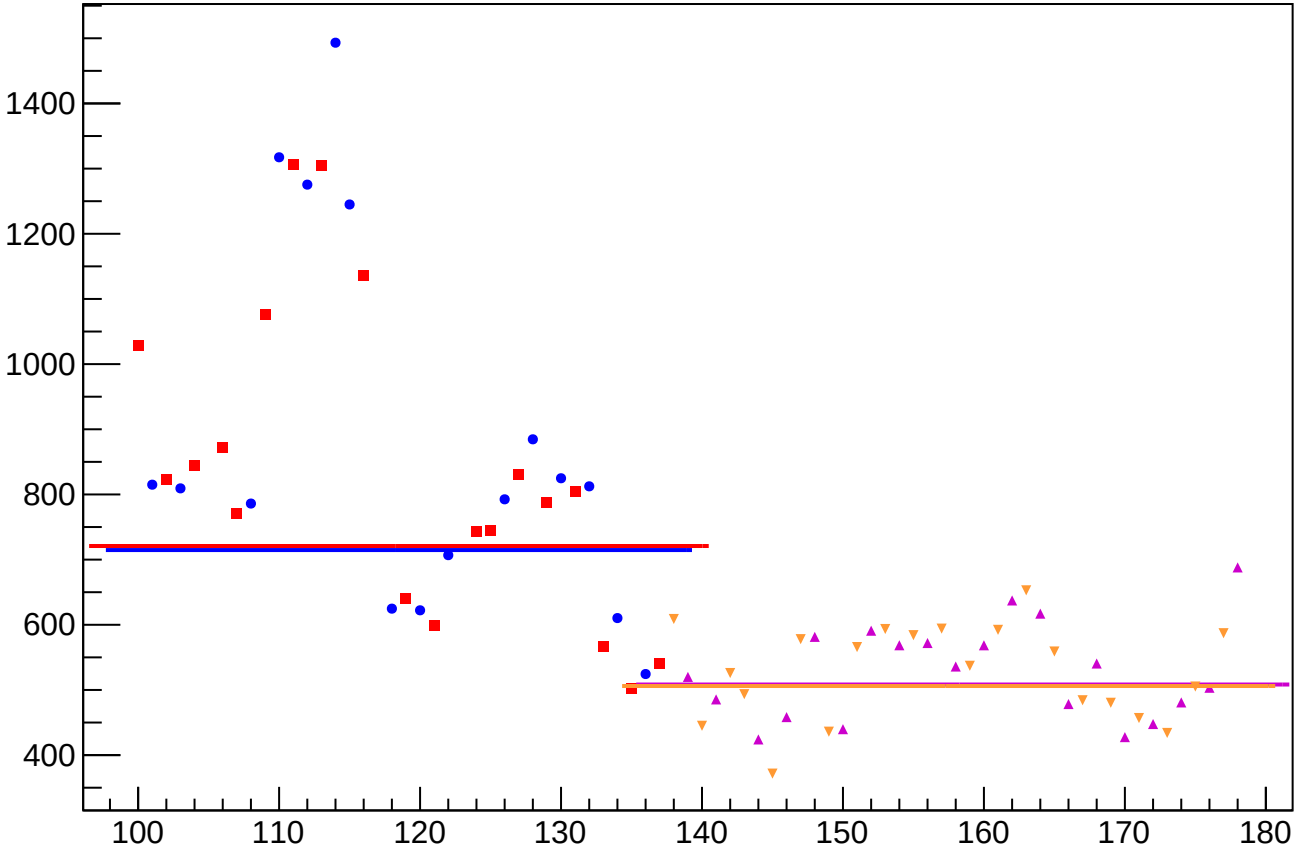
Right: -254.153+/-193.800 χ^2/NDF: 26.5/34

In: -113.924+/-115.601 χ^2/NDF:35.6/35

Out: 357.770+/-114.248 χ^2/NDF:48.9/39

All: 124.701+/-81.260 χ^2/NDF: 92.9/75

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: 508.342+/-0.090 χ^2/NDF:576370.0/19

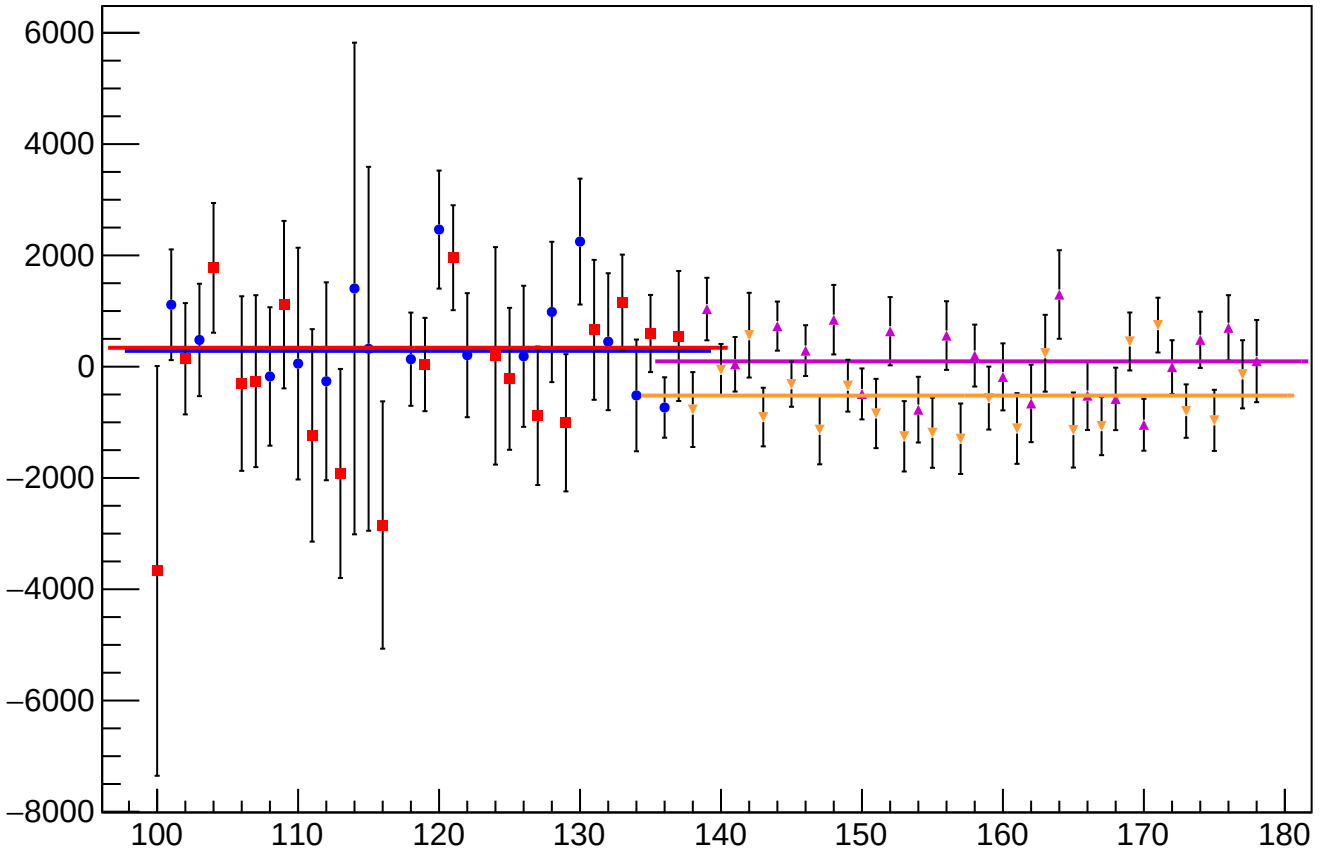
Left: 507.179+/-0.063 χ^2/NDF: 1289685.0/40

Right: 717.786+/-0.137 χ^2/NDF: 1895155.0/34

In: 544.919+/-0.082 χ^2/NDF:2381796.3/35

Out: 543.509+/-0.081 χ^2/NDF:2749580.1/39

All: 544.206+/-0.057 χ^2/NDF: 5131527.1/75



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: 95.715+/-123.359 χ^2/NDF:25.4/19

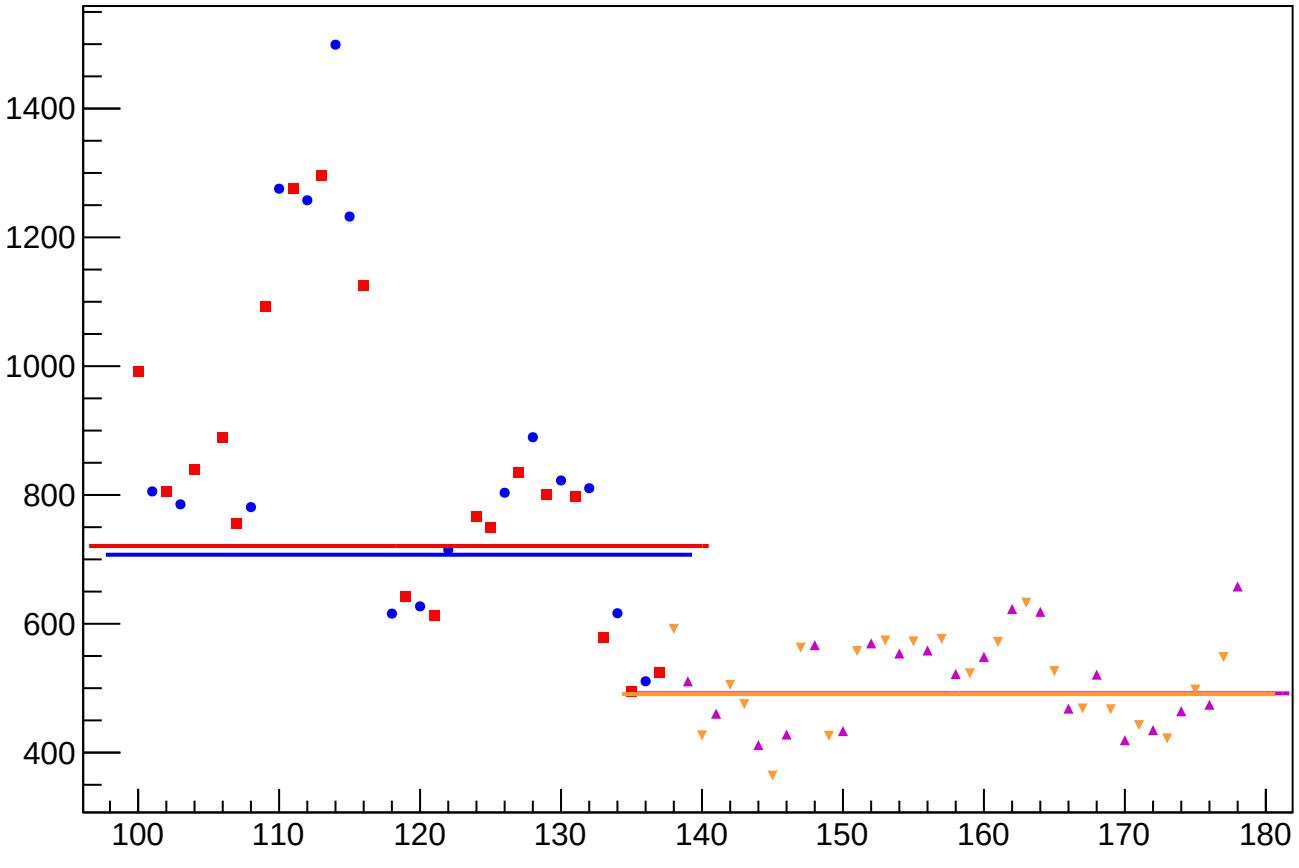
Left: -215.155+/-86.747 χ^2/NDF: 62.8/40

Right: 312.231+/-192.877 χ^2/NDF: 26.9/34

In: 127.980+/-112.341 χ^2/NDF:38.6/35

Out: -376.724+/-111.431 χ^2/NDF:47.1/39

All: -126.426+/-79.113 χ^2/NDF: 95.9/75



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: 491.995+/-0.087 χ^2/NDF:593264.3/19

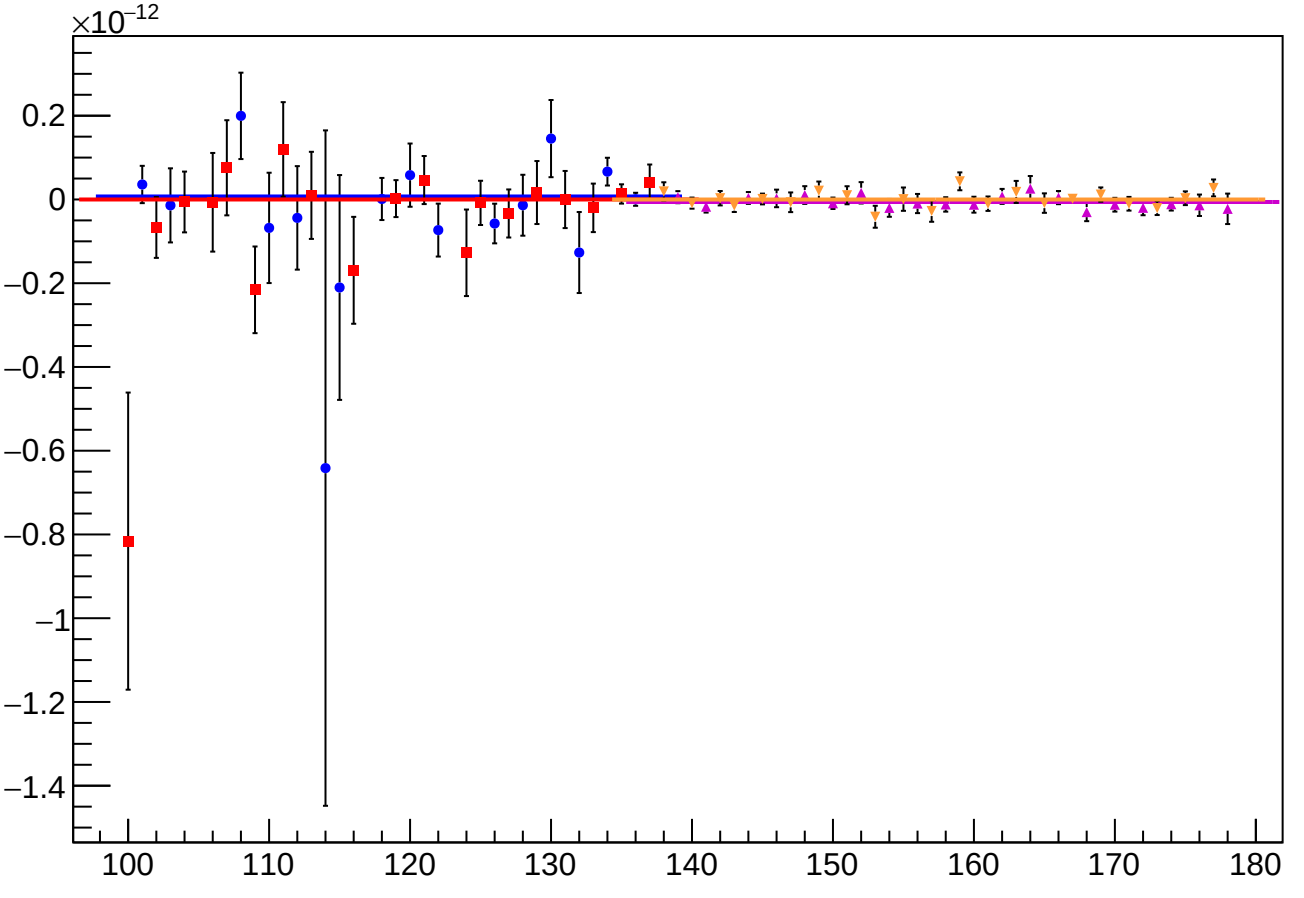
Left: 491.437+/-0.061 χ^2/NDF: 1281452.3/40

Right: 713.952+/-0.136 χ^2/NDF: 1914442.0/34

In: 528.723+/-0.079 χ^2/NDF:2528791.6/35

Out: 529.022+/-0.079 χ^2/NDF:2881141.5/39

All: 528.874+/-0.056 χ^2/NDF: 5409940.3/75



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:8.5/19

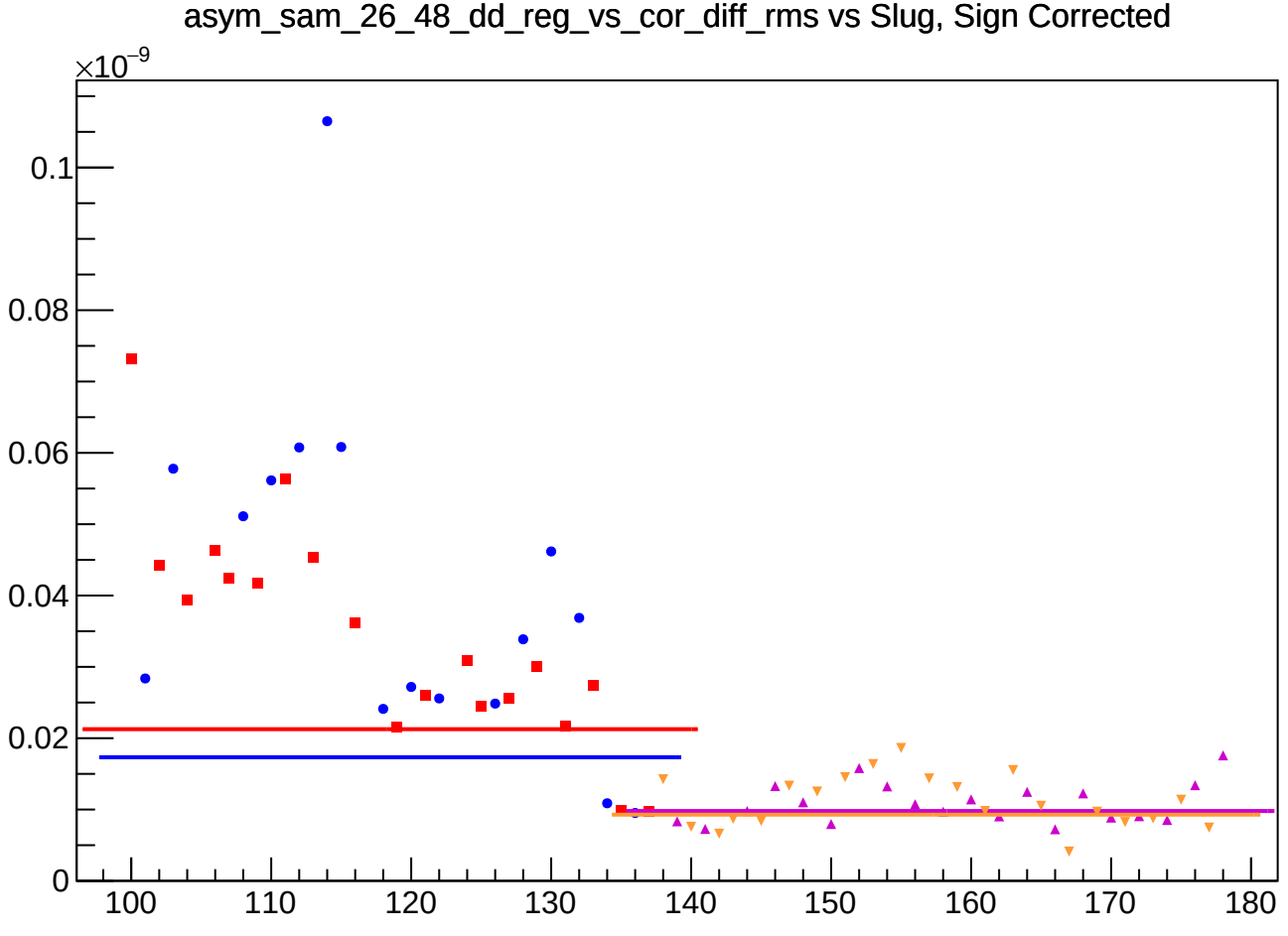
Left: -0.000+/-0.000 χ^2/NDF: 26.1/40

Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: -0.000+/-0.000 χ^2/NDF:27.0/35

Out: -0.000+/-0.000 χ^2/NDF:34.2/39

All: -0.000+/-0.000 χ^2/NDF: 61.9/75



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:617135.7/19

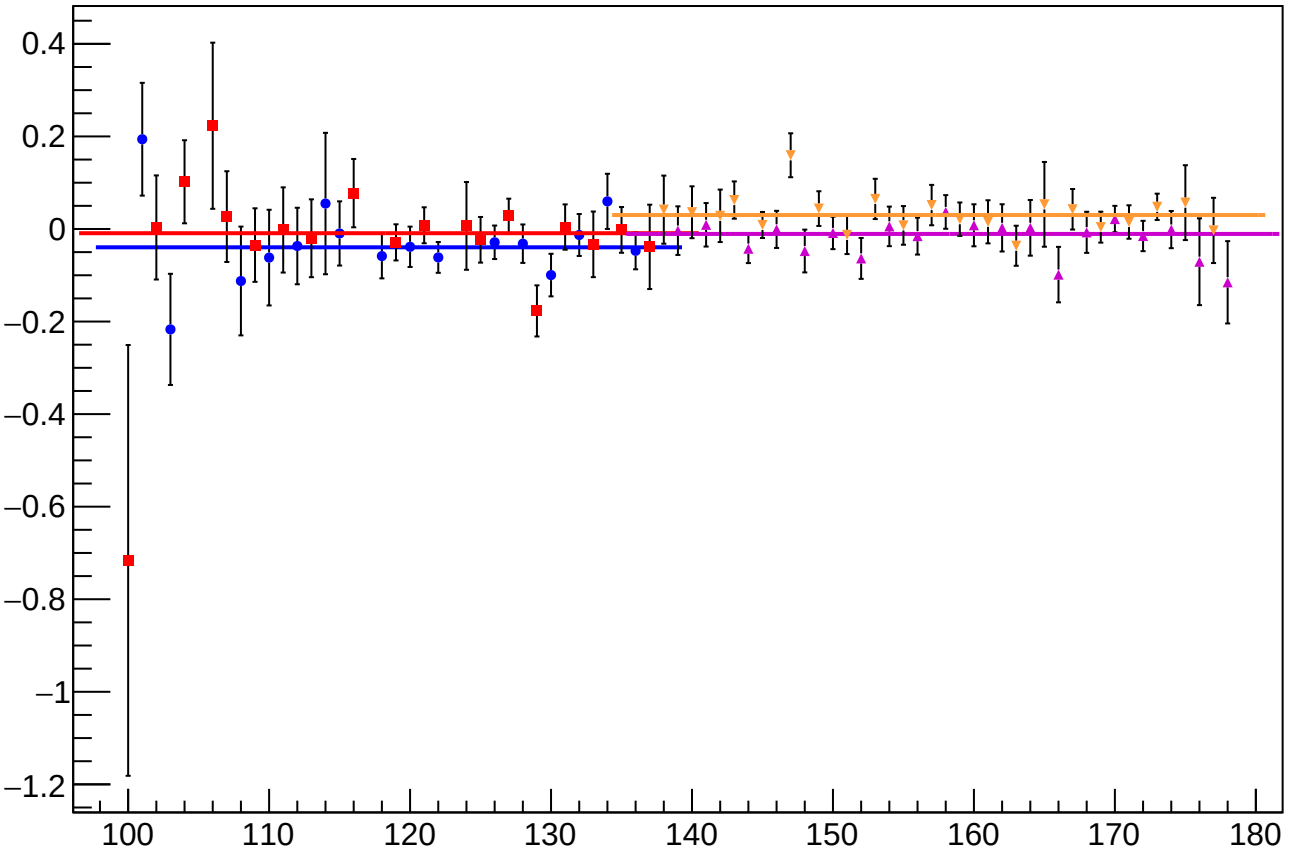
Left: 0.000+/-0.000 χ^2/NDF: 2369900.8/40

Right: 0.000+/-0.000 χ^2/NDF: 4139315.0/34

In: 0.000+/-0.000 χ^2/NDF:3751961.9/35

Out: 0.000+/-0.000 χ^2/NDF:4887860.3/39

All: 0.000+/-0.000 χ^2/NDF: 8654969.0/75



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: -0.011+/-0.009 χ^2/NDF:10.8/19

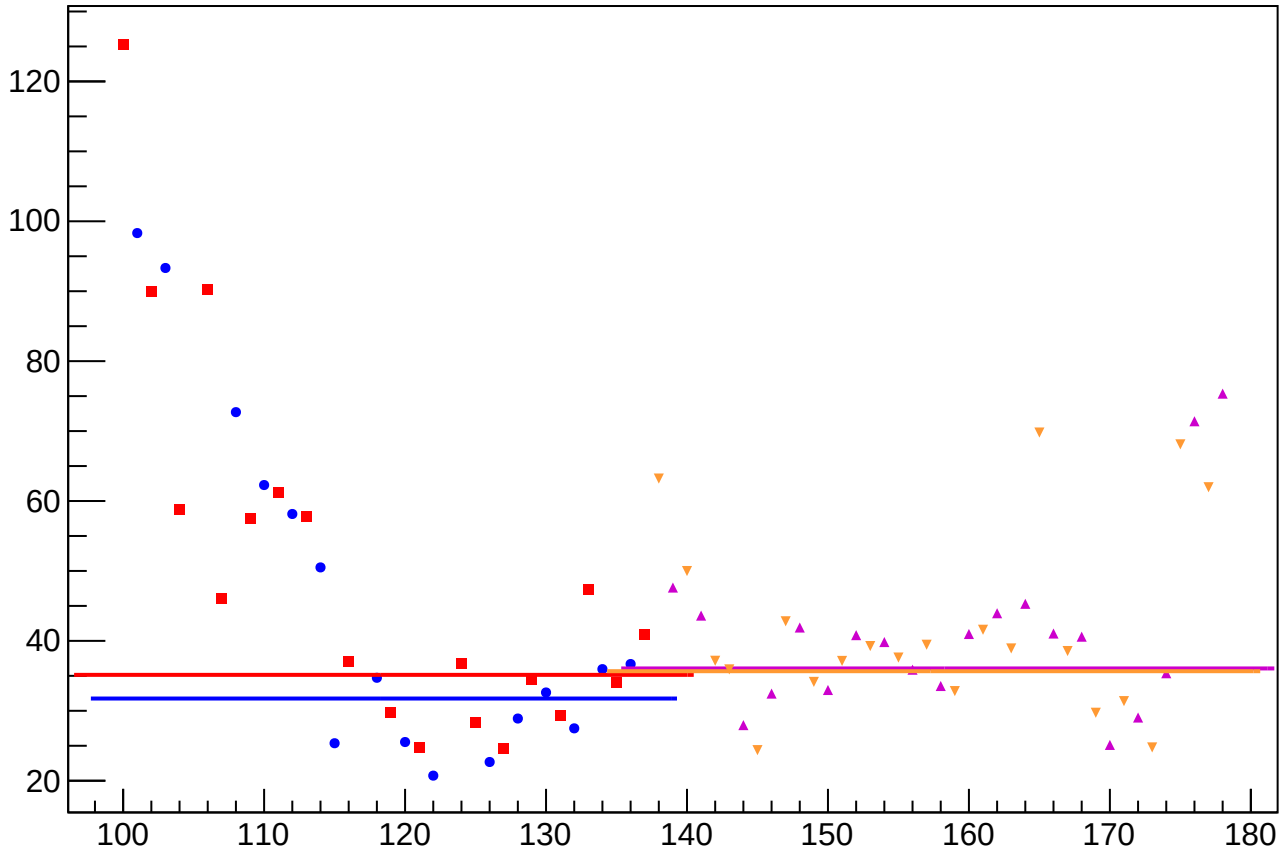
Left: 0.010+/-0.007 χ^2/NDF: 35.6/40

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.021+/-0.008 χ^2/NDF:26.4/35

Out: 0.018+/-0.008 χ^2/NDF:38.9/39

All: -0.001+/-0.005 χ^2/NDF: 78.1/75



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: 36.057+/-0.007 χ^2/NDF:1610735.6/19

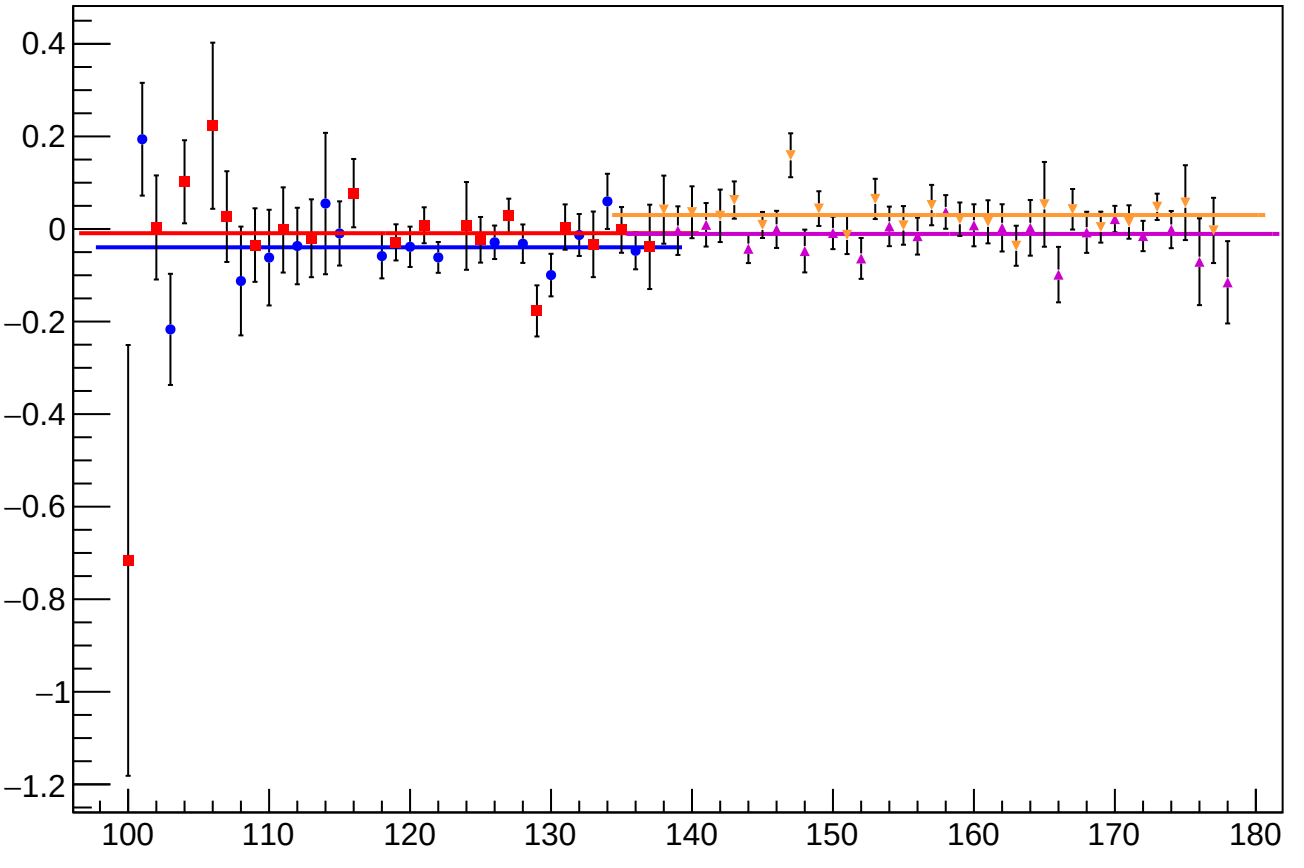
Left: 35.856+/-0.005 χ^2/NDF: 3758596.9/40

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 34.589+/-0.005 χ^2/NDF:4003871.7/35

Out: 35.507+/-0.005 χ^2/NDF:3992691.2/39

All: 35.045+/-0.004 χ^2/NDF: 8010719.5/75



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: -0.011+/-0.009 χ^2/NDF:10.8/19

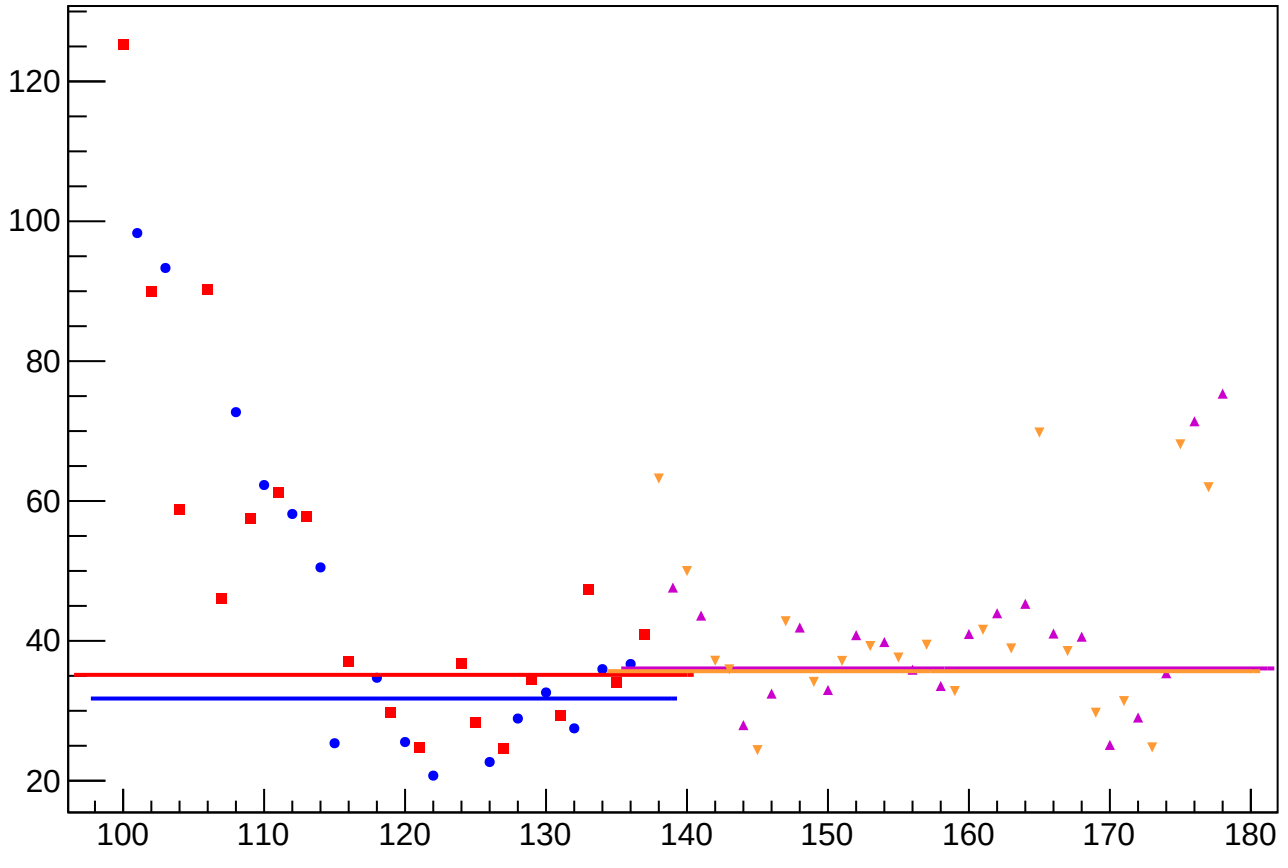
Left: 0.010+/-0.007 χ^2/NDF: 35.6/40

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.021+/-0.008 χ^2/NDF:26.4/35

Out: 0.018+/-0.008 χ^2/NDF:38.9/39

All: -0.001+/-0.005 χ^2/NDF: 78.1/75



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: 36.057+/-0.007 χ^2/NDF:1610735.6/19

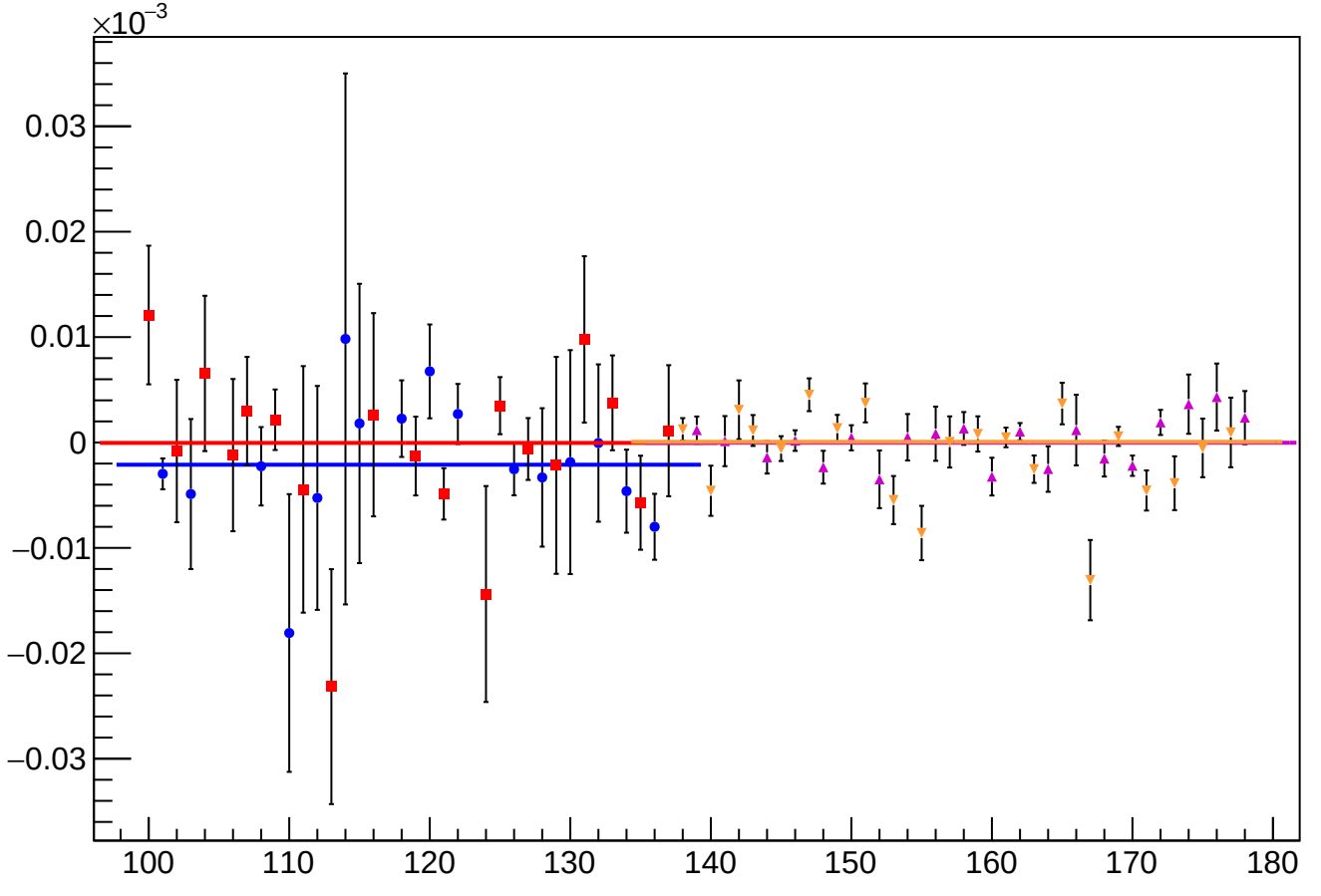
Left: 35.856+/-0.005 χ^2/NDF: 3758596.9/40

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 34.589+/-0.005 χ^2/NDF:4003871.7/35

Out: 35.507+/-0.005 χ^2/NDF:3992691.2/39

All: 35.045+/-0.004 χ^2/NDF: 8010719.5/75



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:25.9/19

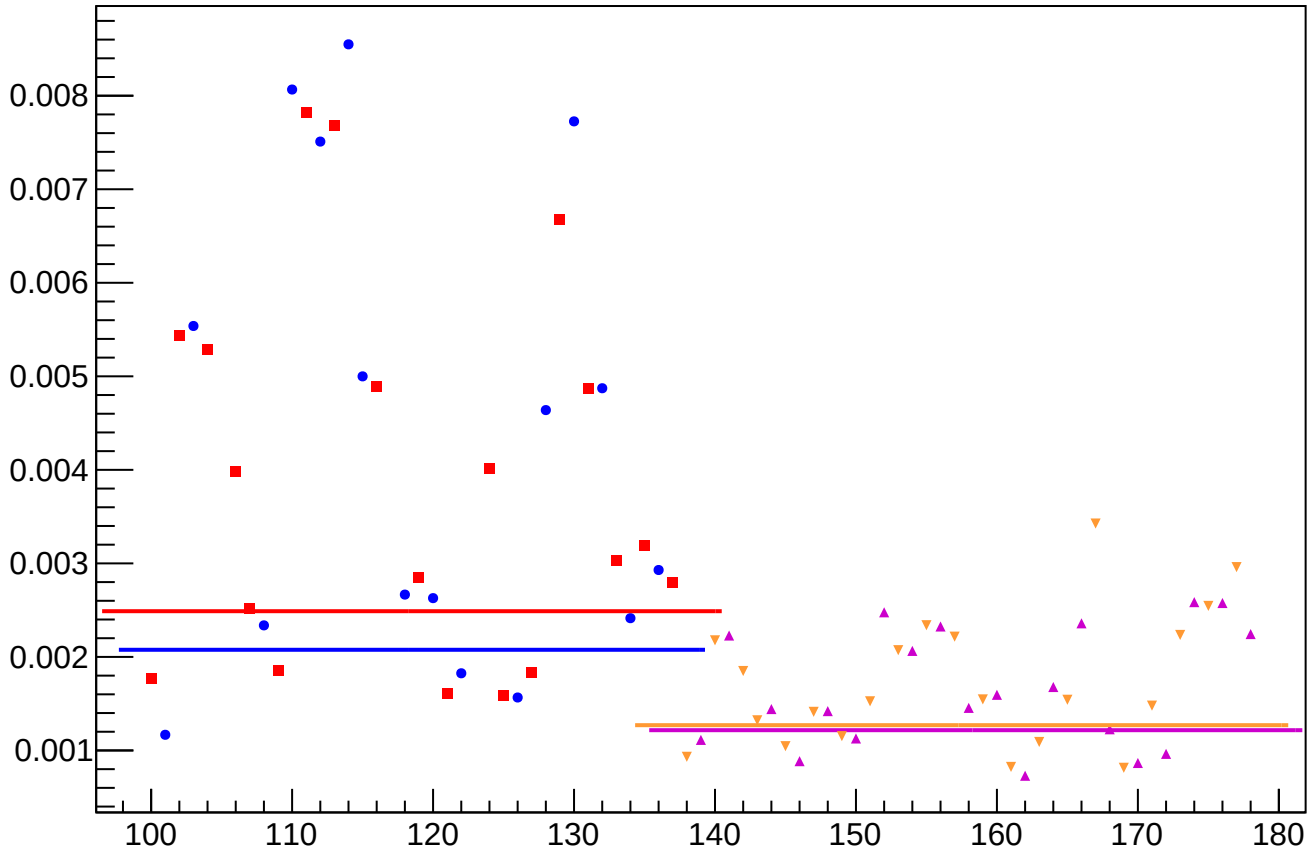
Left: 0.000+/-0.000 χ^2/NDF: 91.8/40

Right: -0.000+/-0.000 χ^2/NDF: 38.4/34

In: -0.000+/-0.000 χ^2/NDF:45.3/35

Out: 0.000+/-0.000 χ^2/NDF:87.2/39

All: -0.000+/-0.000 χ^2/NDF: 133.1/75



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:4485519.4/19

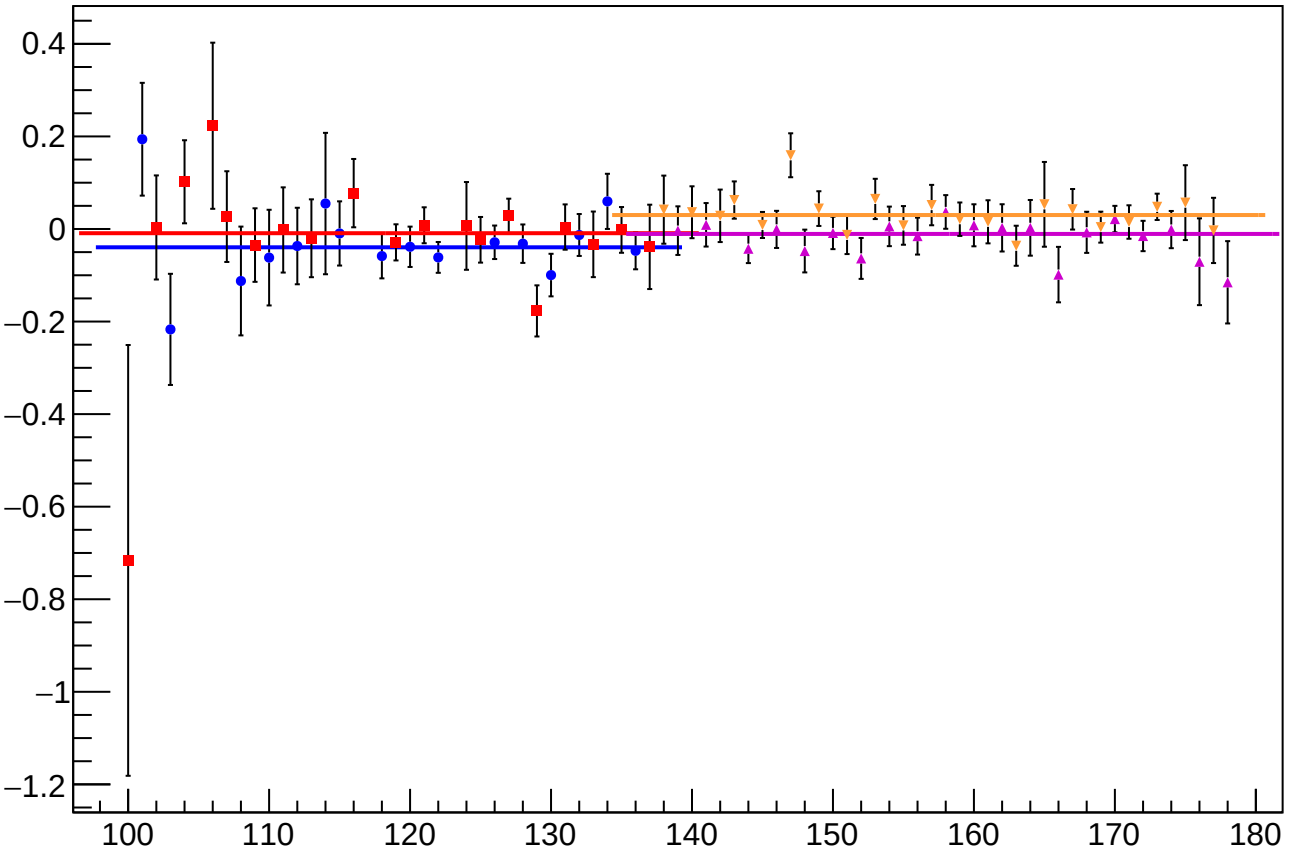
Left: 0.001+/-0.000 χ^2/NDF: 9121538.6/40

Right: 0.002+/-0.000 χ^2/NDF: 7186793.8/34

In: 0.001+/-0.000 χ^2/NDF:9975761.8/35

Out: 0.001+/-0.000 χ^2/NDF:10171109.0/39

All: 0.001+/-0.000 χ^2/NDF: 20194097.2/75



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: -0.011+/-0.009 χ^2/NDF:10.8/19

Left: 0.010+/-0.007 χ^2/NDF: 35.6/40

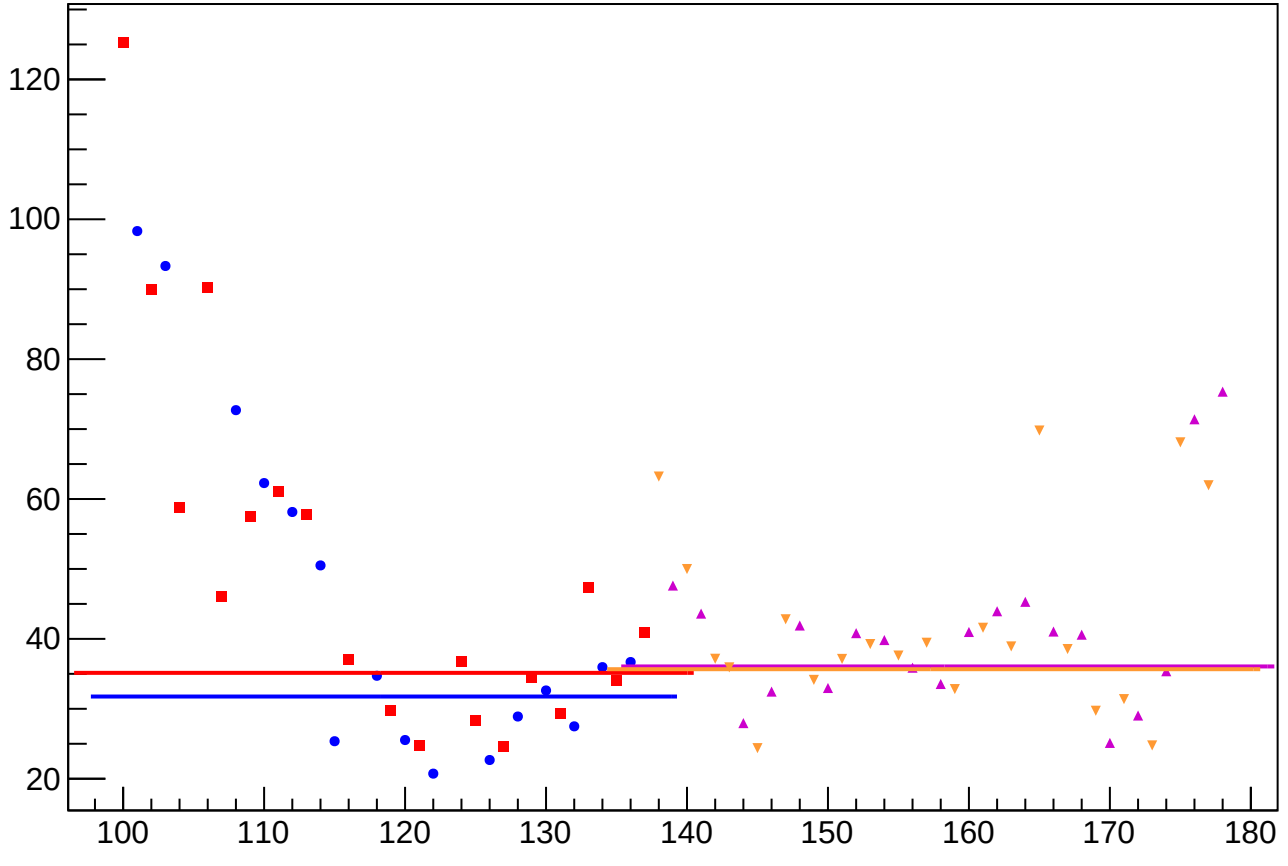
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.021+/-0.008 χ^2/NDF:26.4/35

Out: 0.018+/-0.008 χ^2/NDF:38.9/39

All: -0.001+/-0.005 χ^2/NDF: 78.1/75

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 35.664+/-0.007 χ^2/NDF:2146101.8/20

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 36.057+/-0.007 χ^2/NDF:1610704.5/19

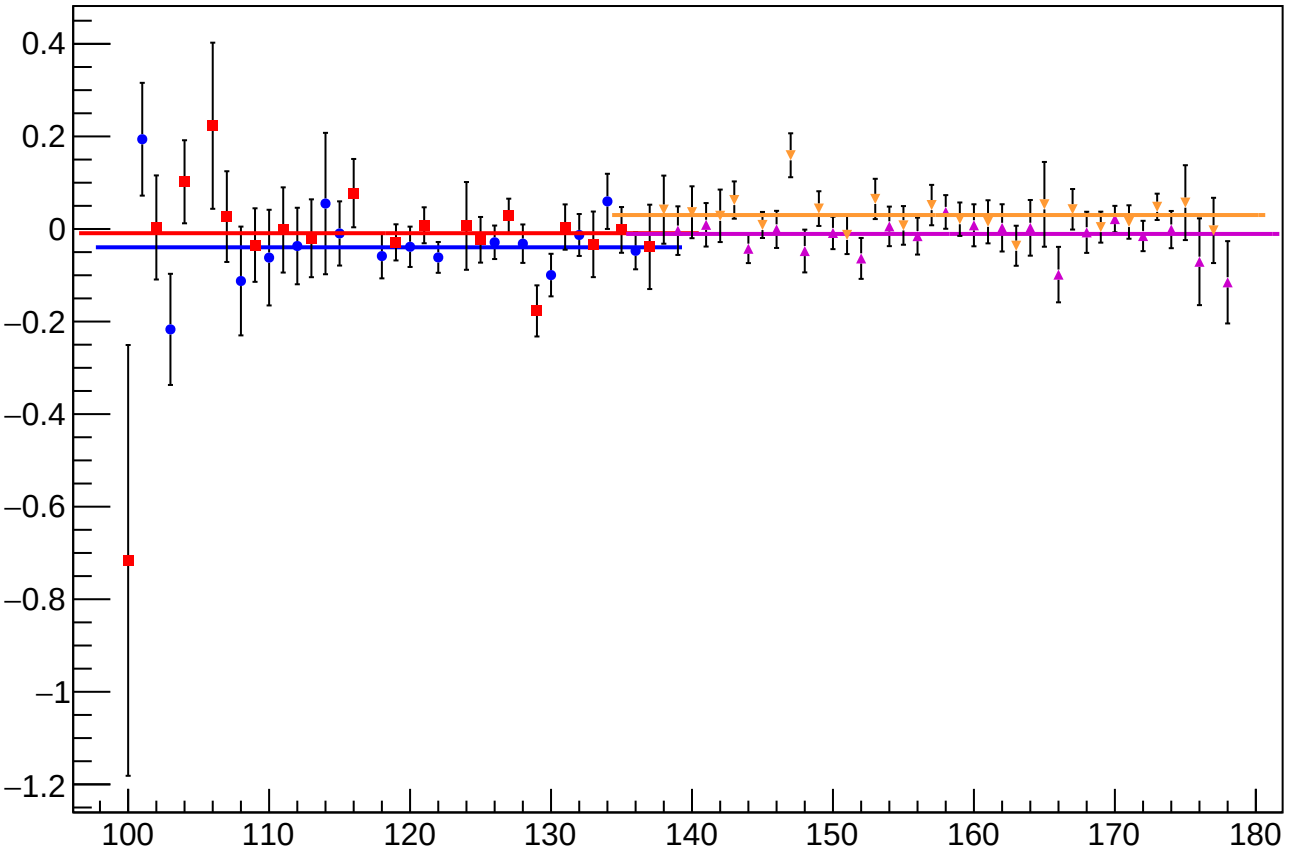
Left: 35.855+/-0.005 χ^2/NDF: 3758573.2/40

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 34.590+/-0.005 χ^2/NDF:4003786.7/35

Out: 35.507+/-0.005 χ^2/NDF:3992591.2/39

All: 35.045+/-0.004 χ^2/NDF: 8010534.8/75



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: -0.011+/-0.009 χ^2/NDF:10.8/19

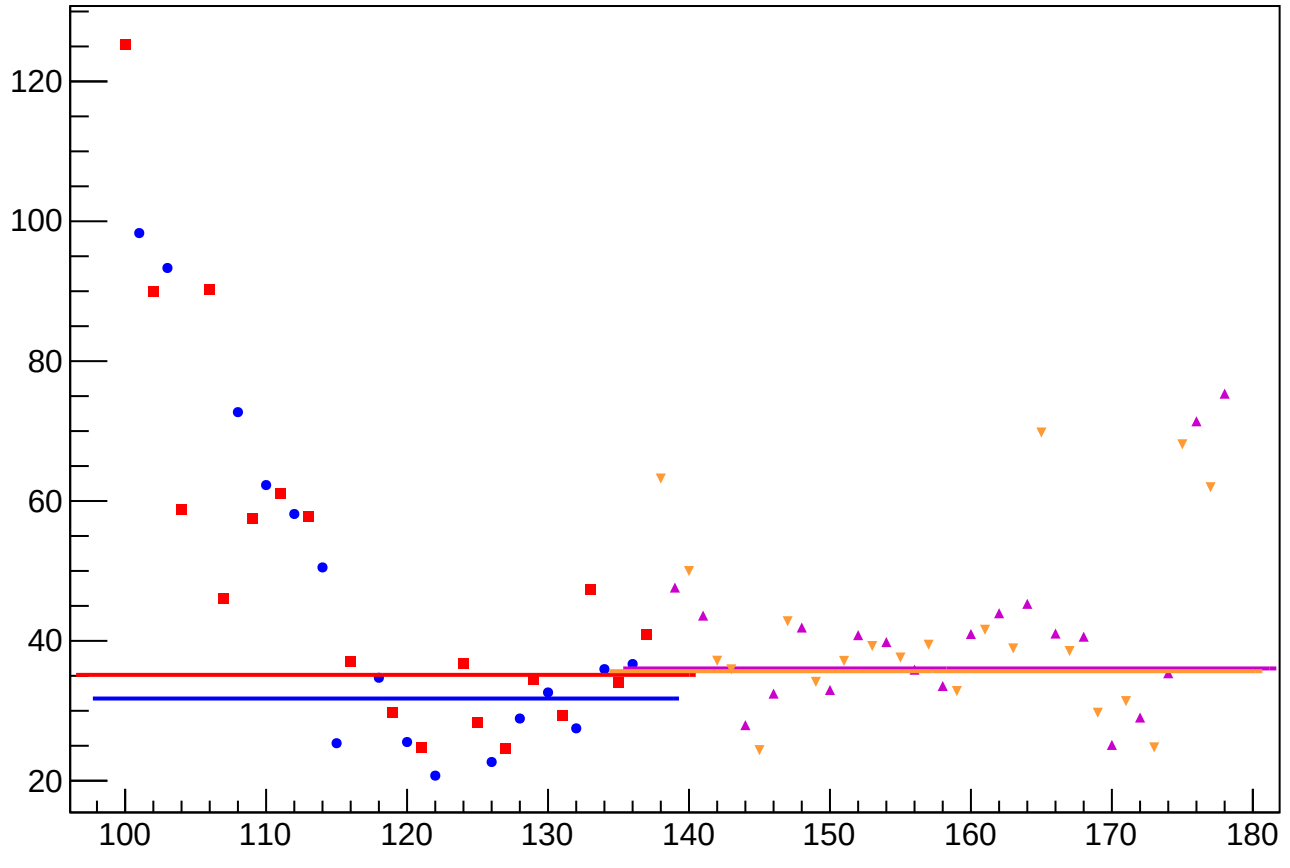
Left: 0.010+/-0.007 χ^2/NDF: 35.6/40

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.021+/-0.008 χ^2/NDF:26.4/35

Out: 0.018+/-0.008 χ^2/NDF:38.9/39

All: -0.001+/-0.005 χ^2/NDF: 78.1/75



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: 36.057+/-0.007 χ^2/NDF:1610704.5/19

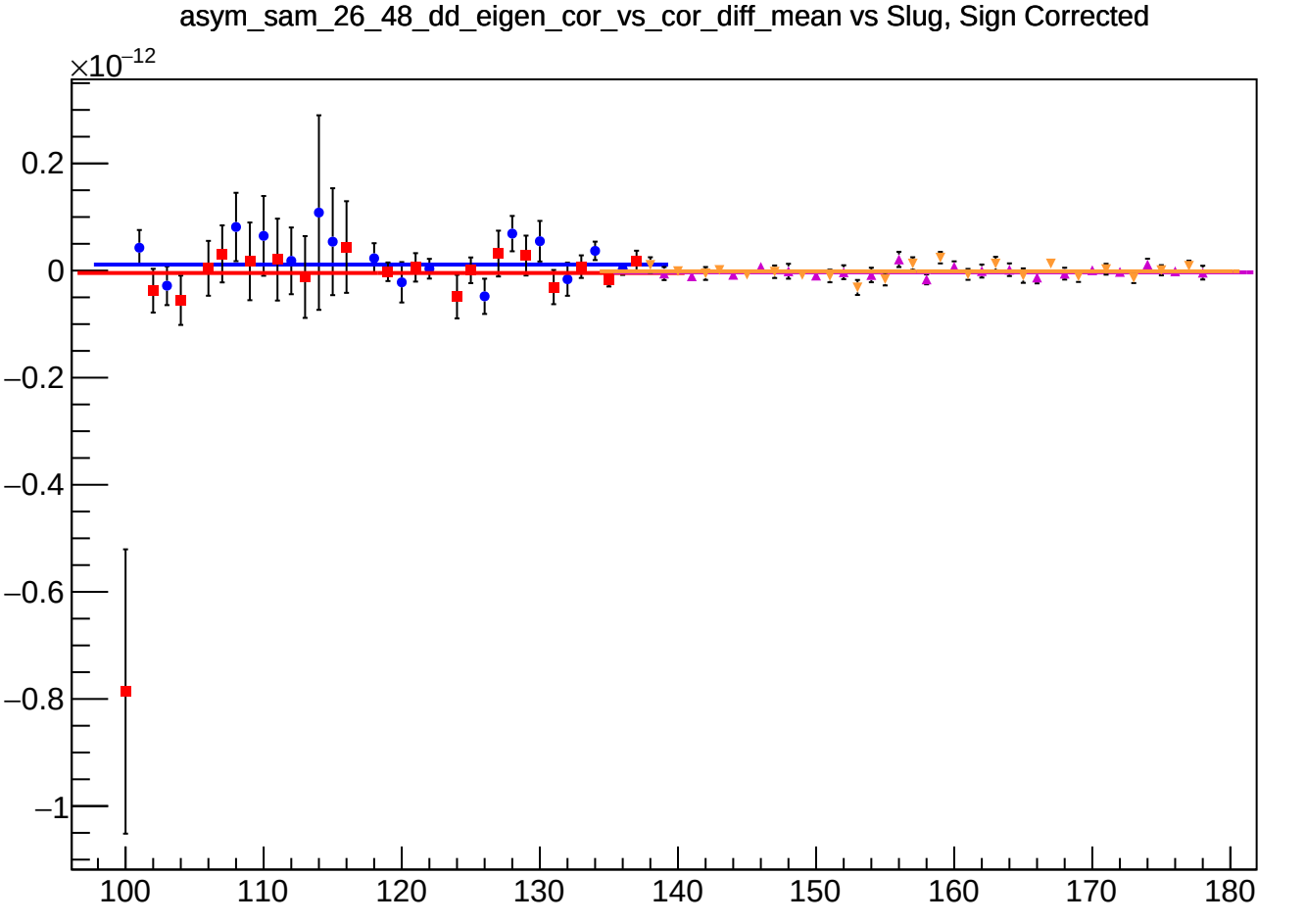
Left: 35.855+/-0.005 χ^2/NDF: 3758573.2/40

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 34.590+/-0.005 χ^2/NDF:4003786.7/35

Out: 35.507+/-0.005 χ^2/NDF:3992591.2/39

All: 35.045+/-0.004 χ^2/NDF: 8010534.8/75



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:12.5/19

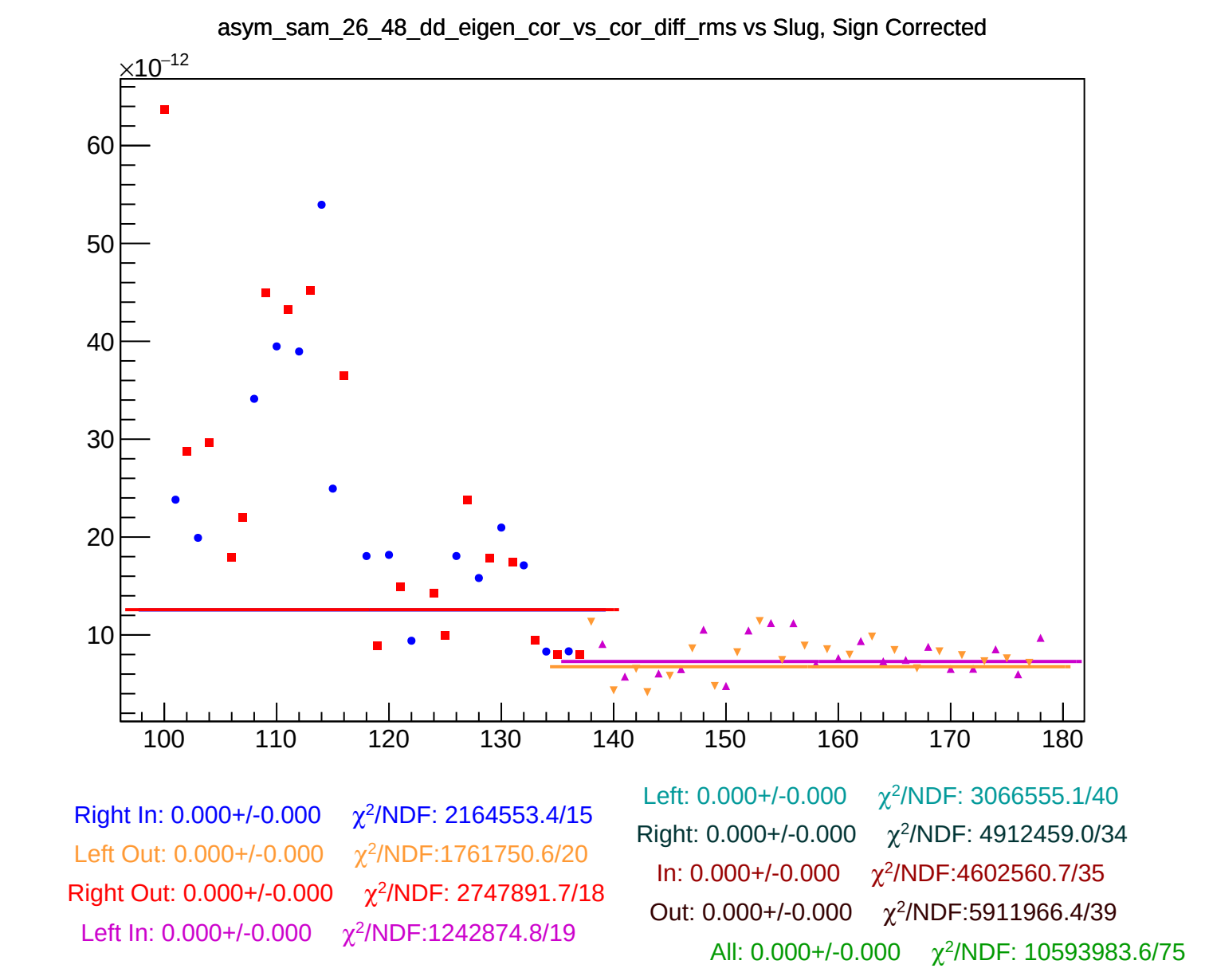
Left: -0.000+/-0.000 χ^2/NDF: 37.3/40

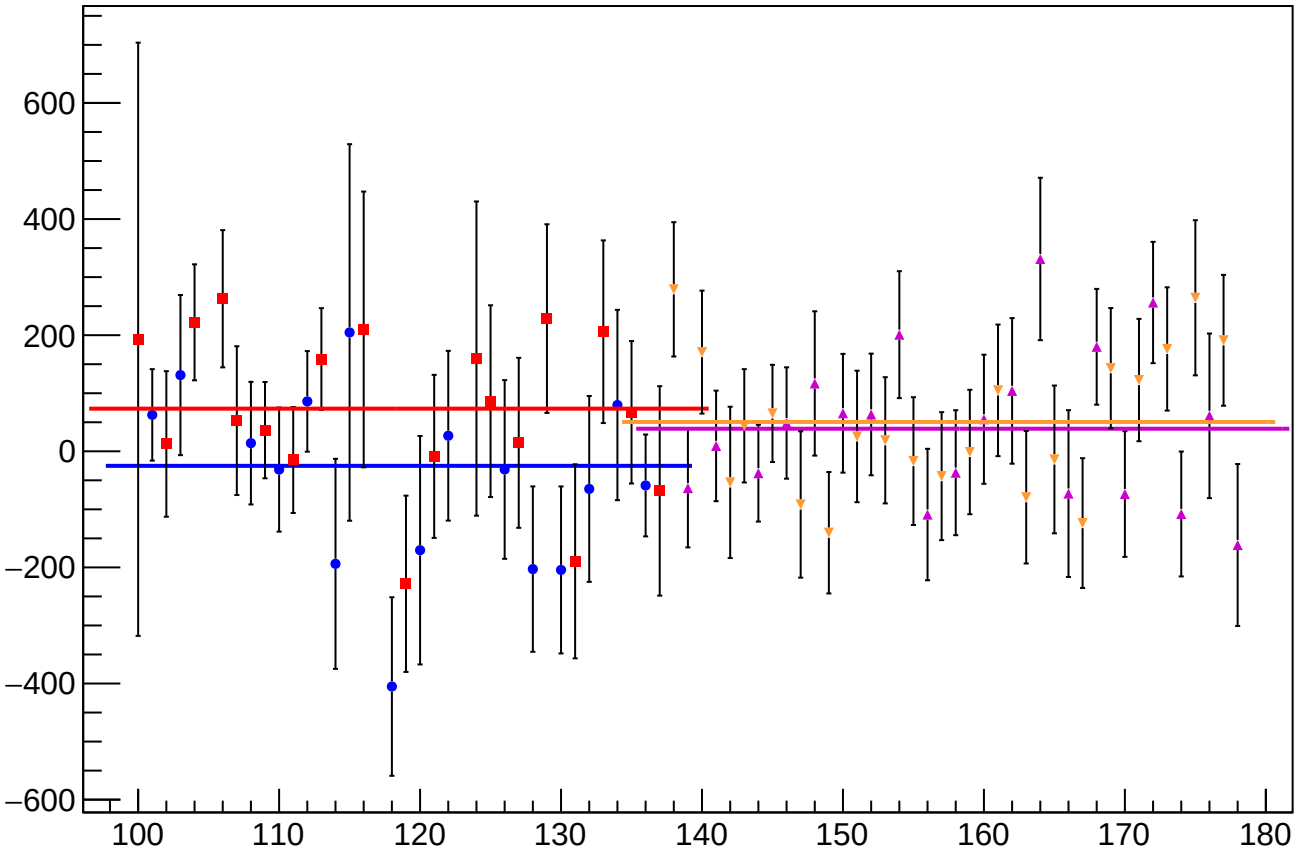
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:33.9/35

Out: -0.000+/-0.000 χ^2/NDF:42.1/39

All: -0.000+/-0.000 χ^2/NDF: 76.0/75


asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2164553.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1761750.6/20
Right Out: 0.000+/-0.000 χ²/NDF: 2747891.7/18
Left In: 0.000+/-0.000 χ²/NDF:1242874.8/19
Left: 0.000+/-0.000 χ²/NDF: 3066555.1/40
Right: 0.000+/-0.000 χ²/NDF: 4912459.0/34
In: 0.000+/-0.000 χ²/NDF:4602560.7/35
Out: 0.000+/-0.000 χ²/NDF:5911966.4/39
All: 0.000+/-0.000 χ²/NDF: 10593983.6/75



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: 38.857+/-24.492 χ^2/NDF:23.5/19

Left: 44.819+/-17.126 χ^2/NDF: 46.5/40

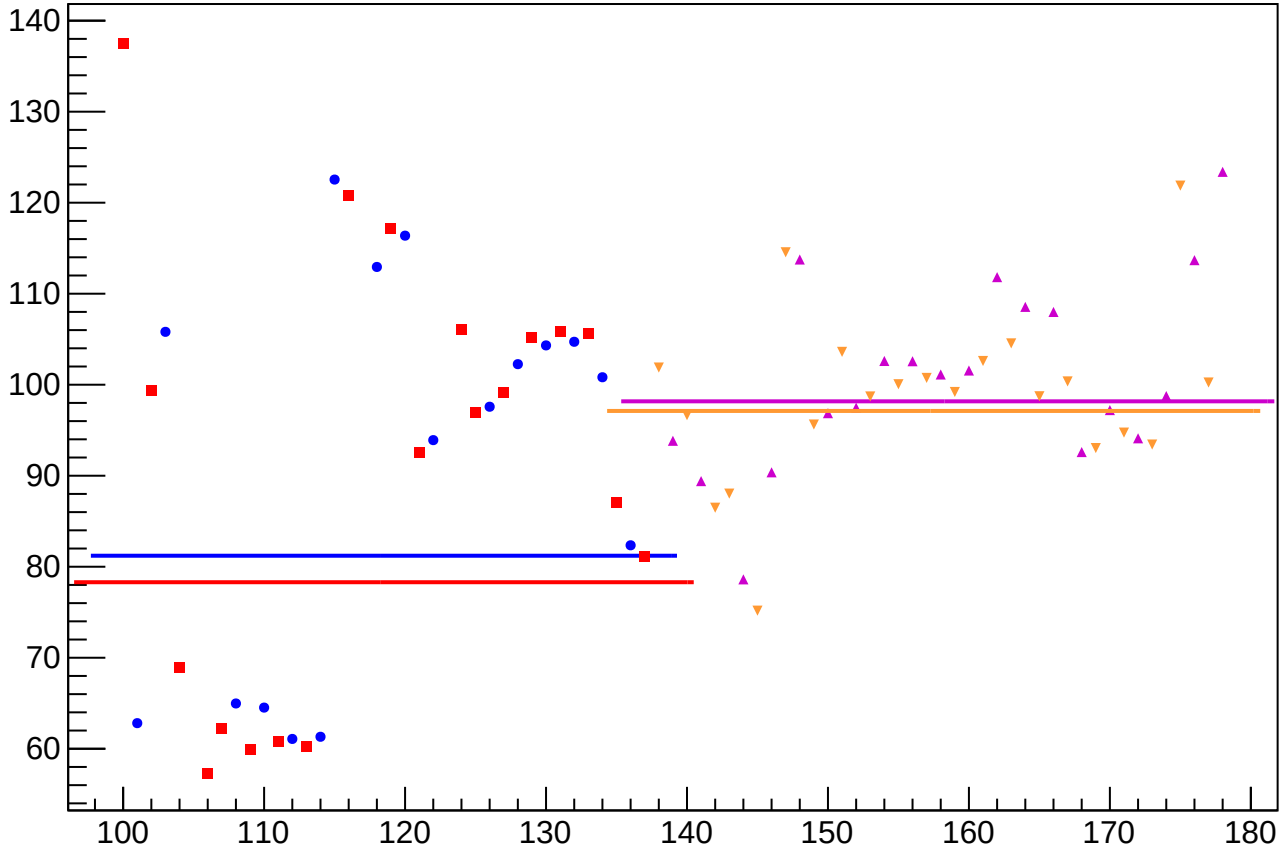
Right: 26.278+/-21.610 χ^2/NDF: 38.2/34

In: 14.511+/-19.272 χ^2/NDF:42.3/35

Out: 59.478+/-18.704 χ^2/NDF:40.1/39

All: 37.667+/-13.422 χ^2/NDF: 85.2/75

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: 98.174+/-0.017 χ^2/NDF:328181.9/19

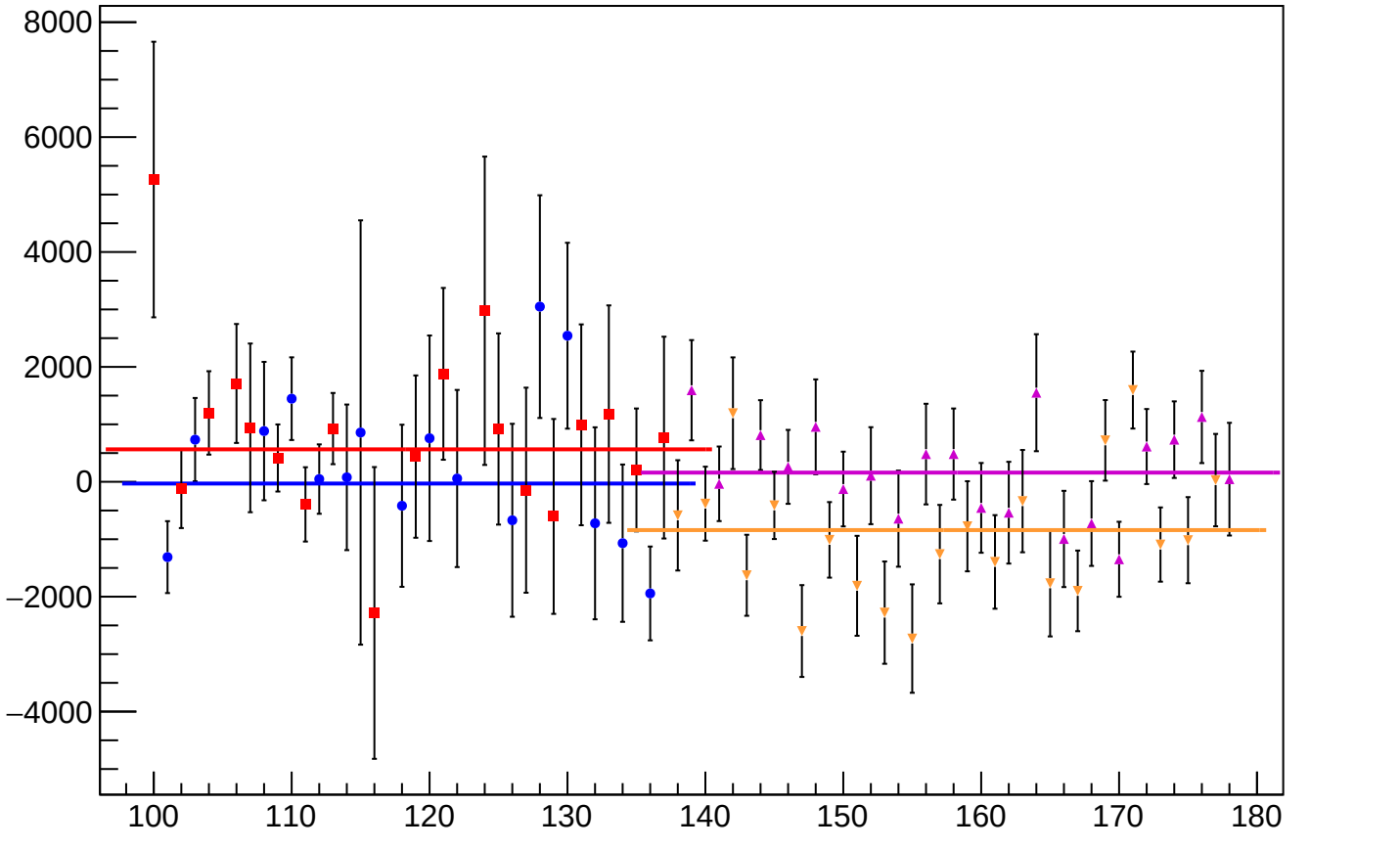
Left: 97.634+/-0.012 χ^2/NDF: 643469.5/40

Right: 79.692+/-0.015 χ^2/NDF: 1731411.2/34

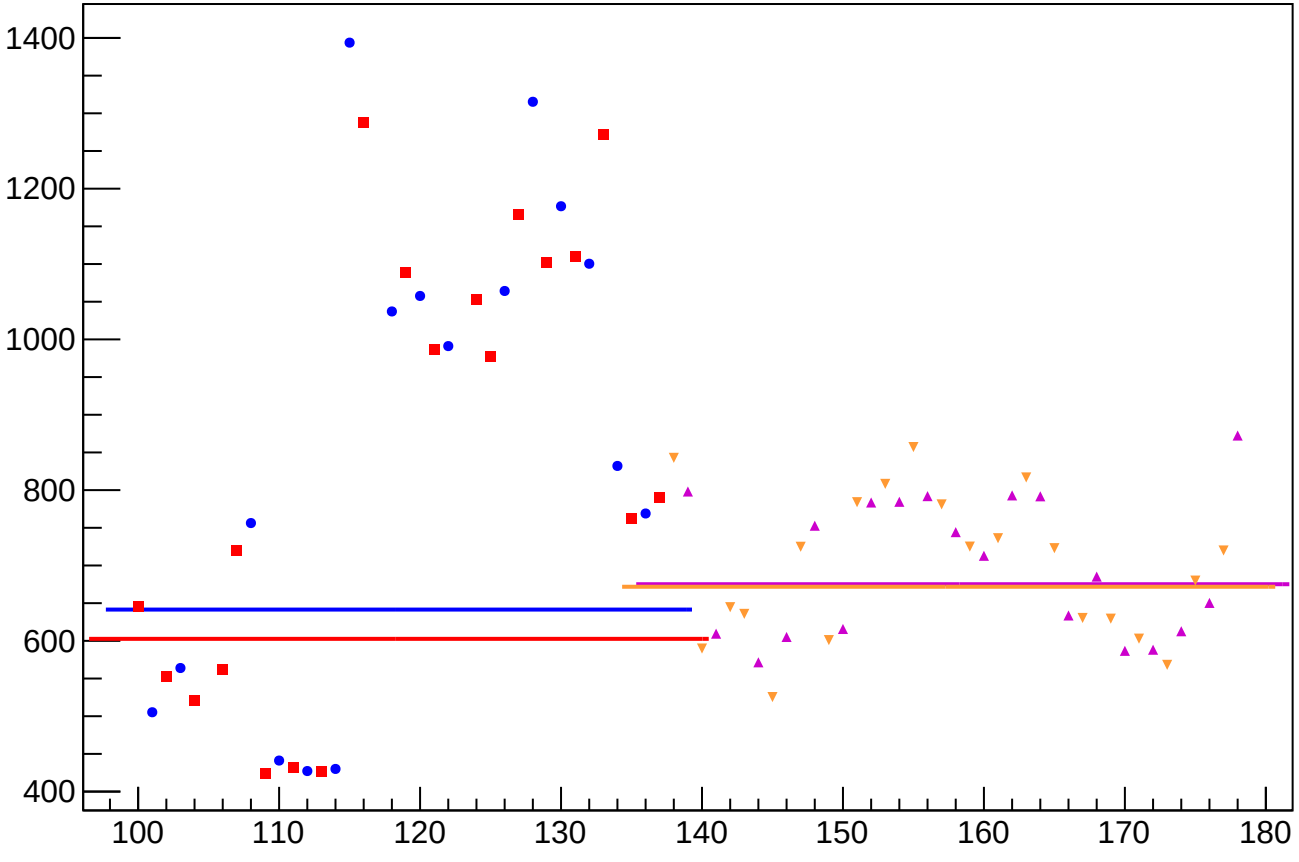
In: 91.714+/-0.014 χ^2/NDF:1481280.7/35

Out: 89.770+/-0.013 χ^2/NDF:1729916.4/39

All: 90.713+/-0.009 χ^2/NDF: 3221674.5/75


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: 159.973+/-168.952 χ²/NDF:20.8/19
Left: -347.245+/-118.647 χ²/NDF: 82.0/40
Right: 289.446+/-174.816 χ²/NDF: 38.1/34
In: 102.523+/-141.177 χ²/NDF:43.1/35
Out: -379.580+/-136.608 χ²/NDF:80.0/39
All: -146.457+/-98.172 χ²/NDF: 129.1/75

asym_sam_1548_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 671.779+/-0.118 χ^2/NDF:624673.5/20

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

Left In: 675.142+/-0.119 χ^2/NDF:538243.4/19

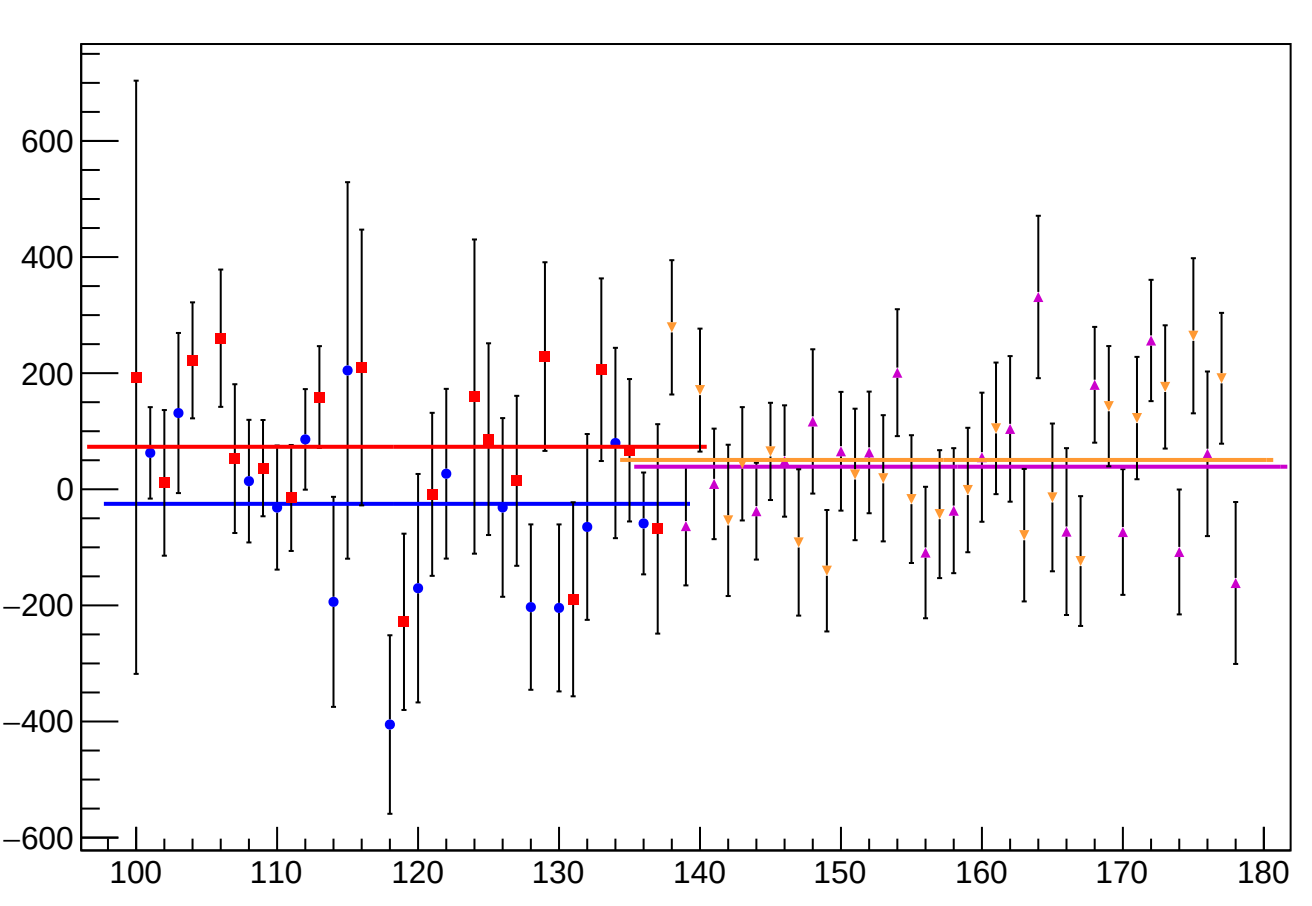
Left: 673.438+/-0.084 χ^2/NDF: 1163318.4/40

Right: 620.627+/-0.124 χ^2/NDF: 3969848.5/34

In: 664.990+/-0.100 χ^2/NDF:2437165.9/35

Out: 649.099+/-0.097 χ^2/NDF:2807874.7/39

All: 656.783+/-0.069 χ^2/NDF: 5258126.0/75



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: 38.857+/-24.492 χ^2/NDF:23.5/19

Left: 44.822+/-17.126 χ^2/NDF: 46.5/40

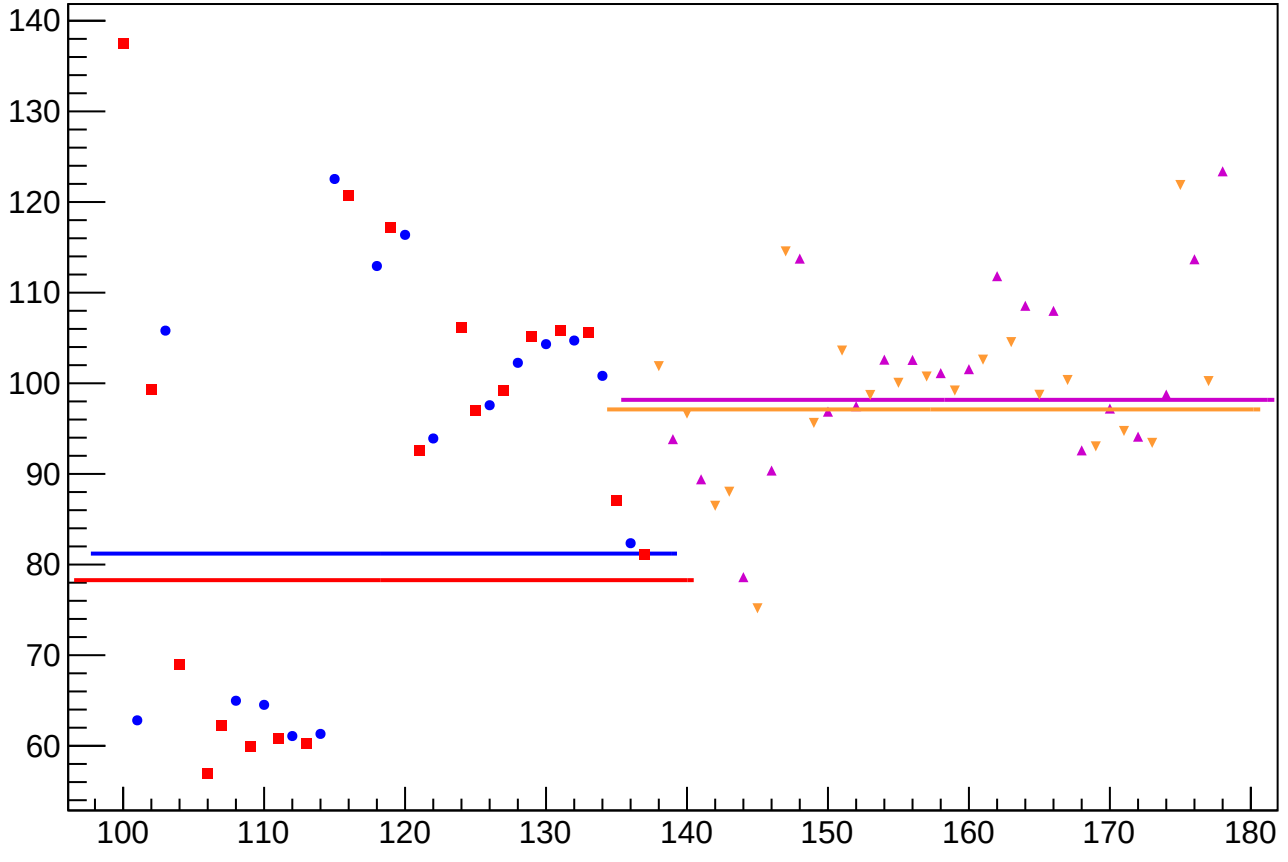
Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: 14.511+/-19.272 χ^2/NDF:42.3/35

Out: 59.376+/-18.705 χ^2/NDF:40.0/39

All: 37.613+/-13.422 χ^2/NDF: 85.1/75

cor_asym_sam_1548_avg_rms vs Slug, Sign Corrected



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: 98.174+/-0.017 χ^2/NDF:328181.9/19

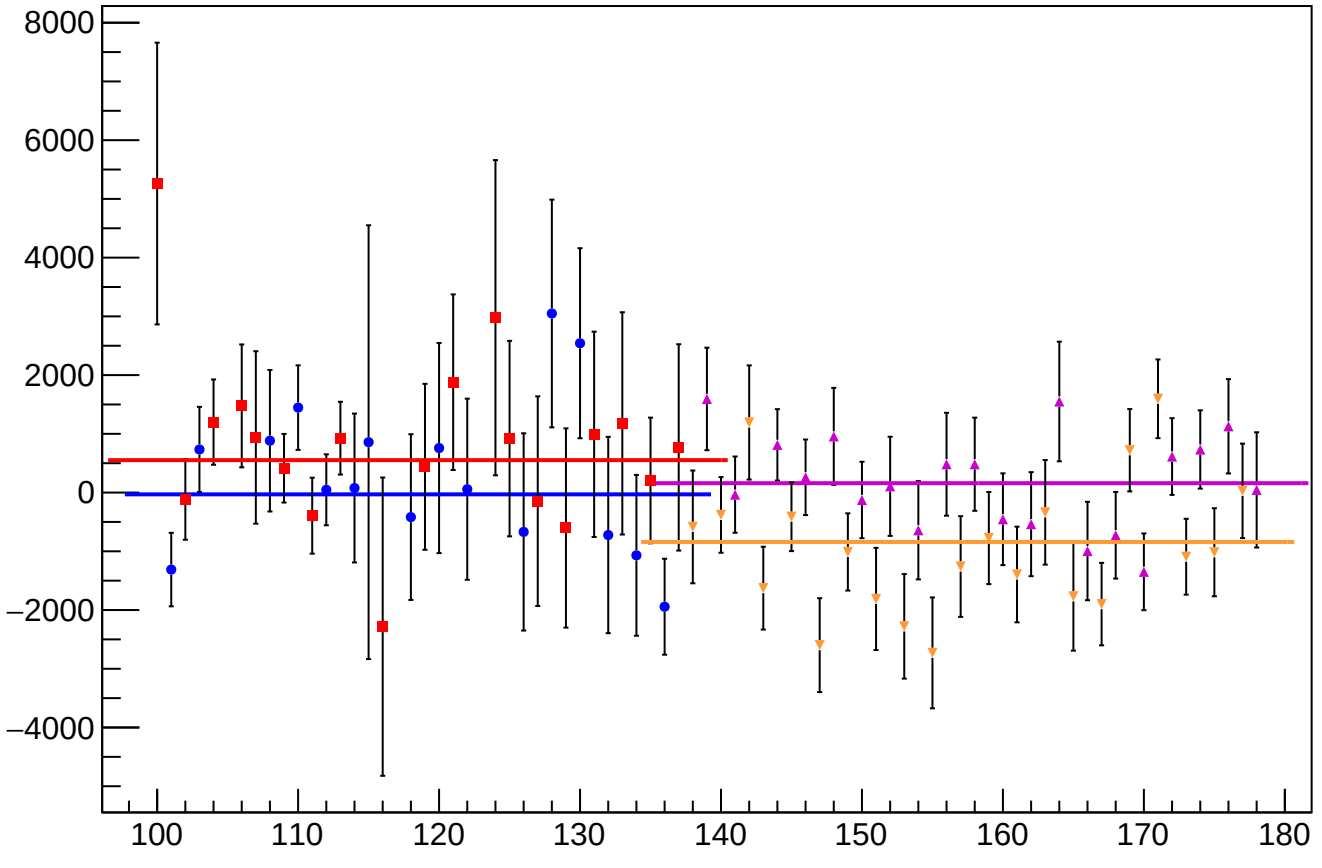
Left: 97.634+/-0.012 χ^2/NDF: 643469.5/40

Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 91.714+/-0.014 χ^2/NDF:1481282.2/35

Out: 89.763+/-0.013 χ^2/NDF:1732973.9/39

All: 90.709+/-0.009 χ^2/NDF: 3224806.0/75



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: 159.975+/-168.952 χ^2/NDF:20.8/19

Left: -347.242+/-118.647 χ^2/NDF: 82.0/40

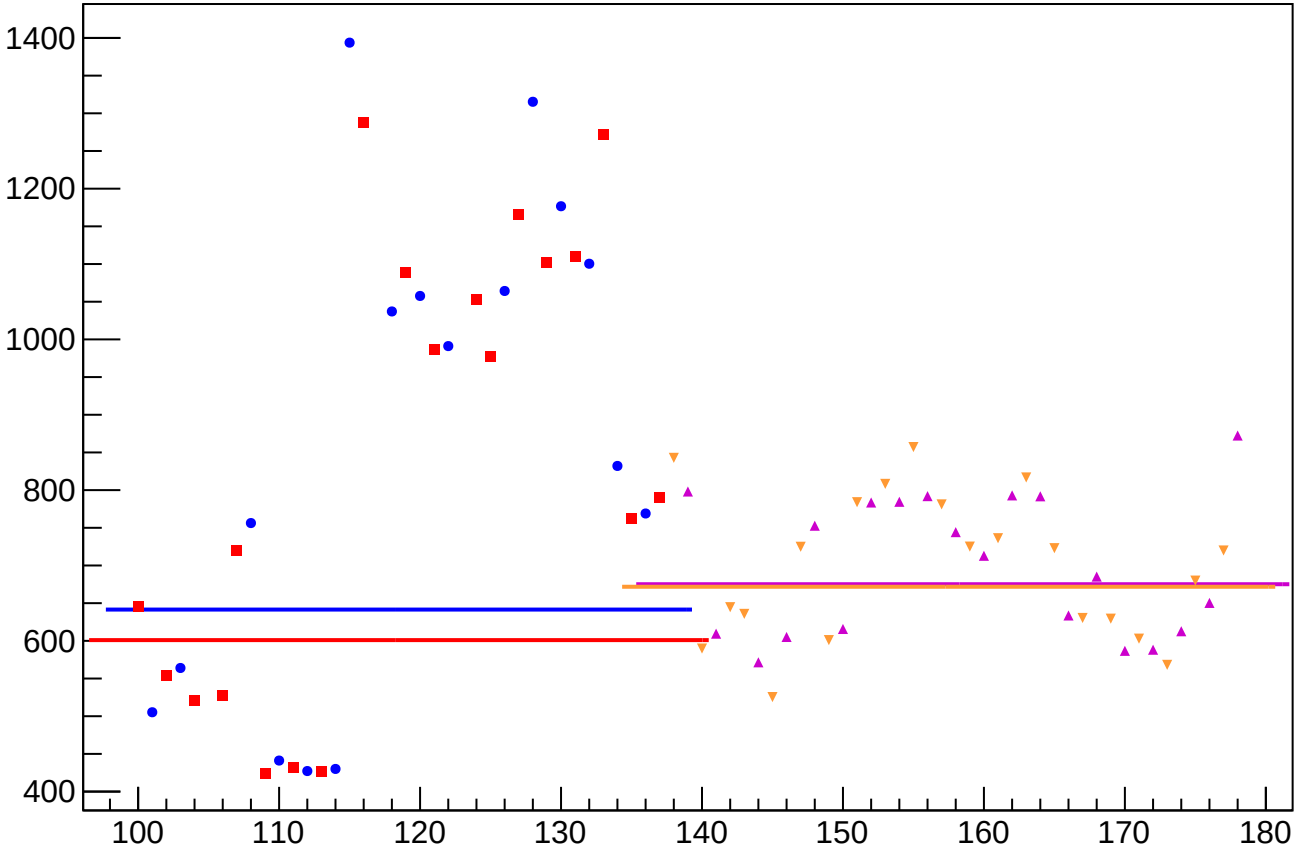
Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 102.518+/-141.178 χ^2/NDF:43.1/35

Out: -384.204+/-136.635 χ^2/NDF:79.1/39

All: -148.799+/-98.182 χ^2/NDF: 128.3/75

asym_sam_1548_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 671.779+/-0.118 χ^2/NDF:624673.2/20

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 675.142+/-0.119 χ^2/NDF:538244.5/19

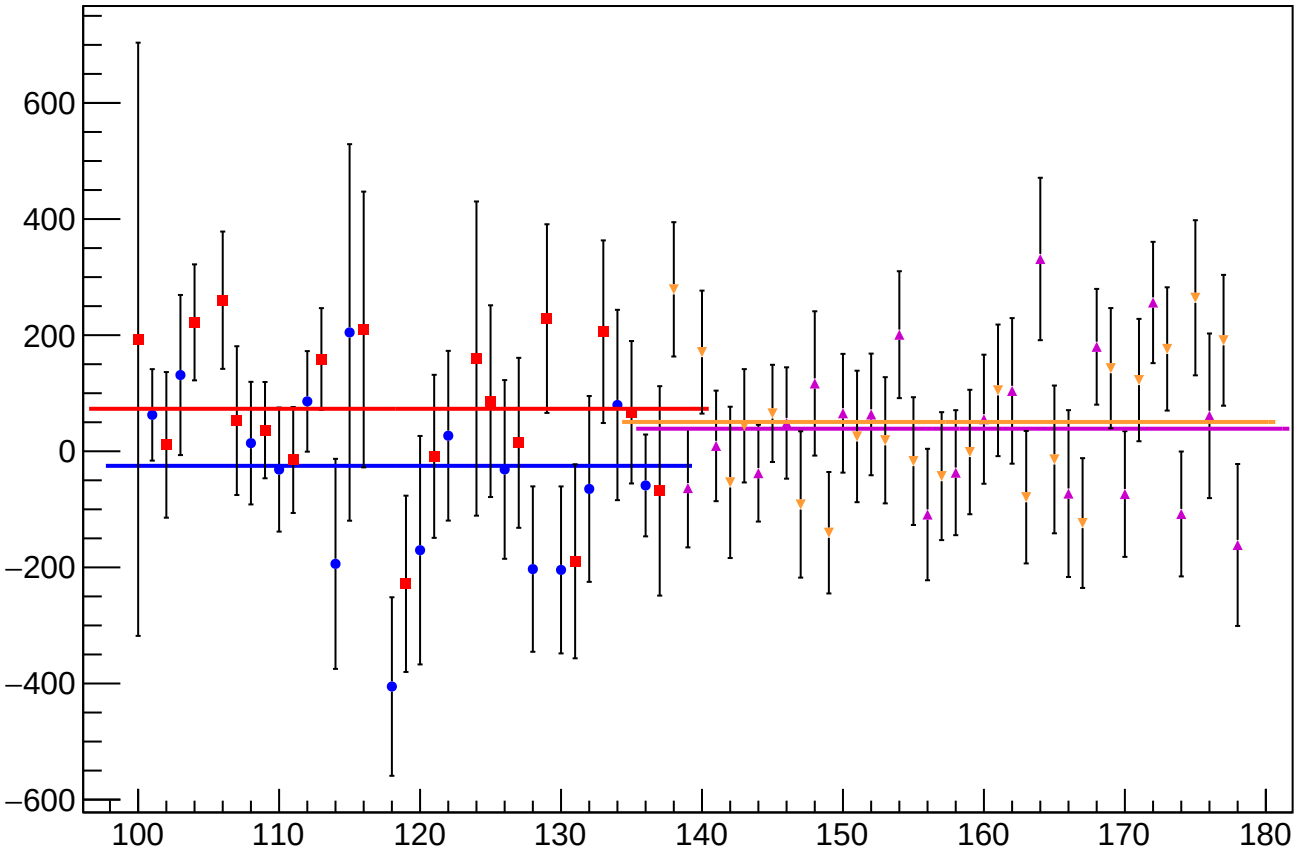
Left: 673.438+/-0.084 χ^2/NDF: 1163319.2/40

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 664.993+/-0.100 χ^2/NDF:2437113.1/35

Out: 648.568+/-0.097 χ^2/NDF:2820248.5/39

All: 656.512+/-0.069 χ^2/NDF: 5271338.7/75



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: 38.857+/-24.492 χ^2/NDF:23.5/19

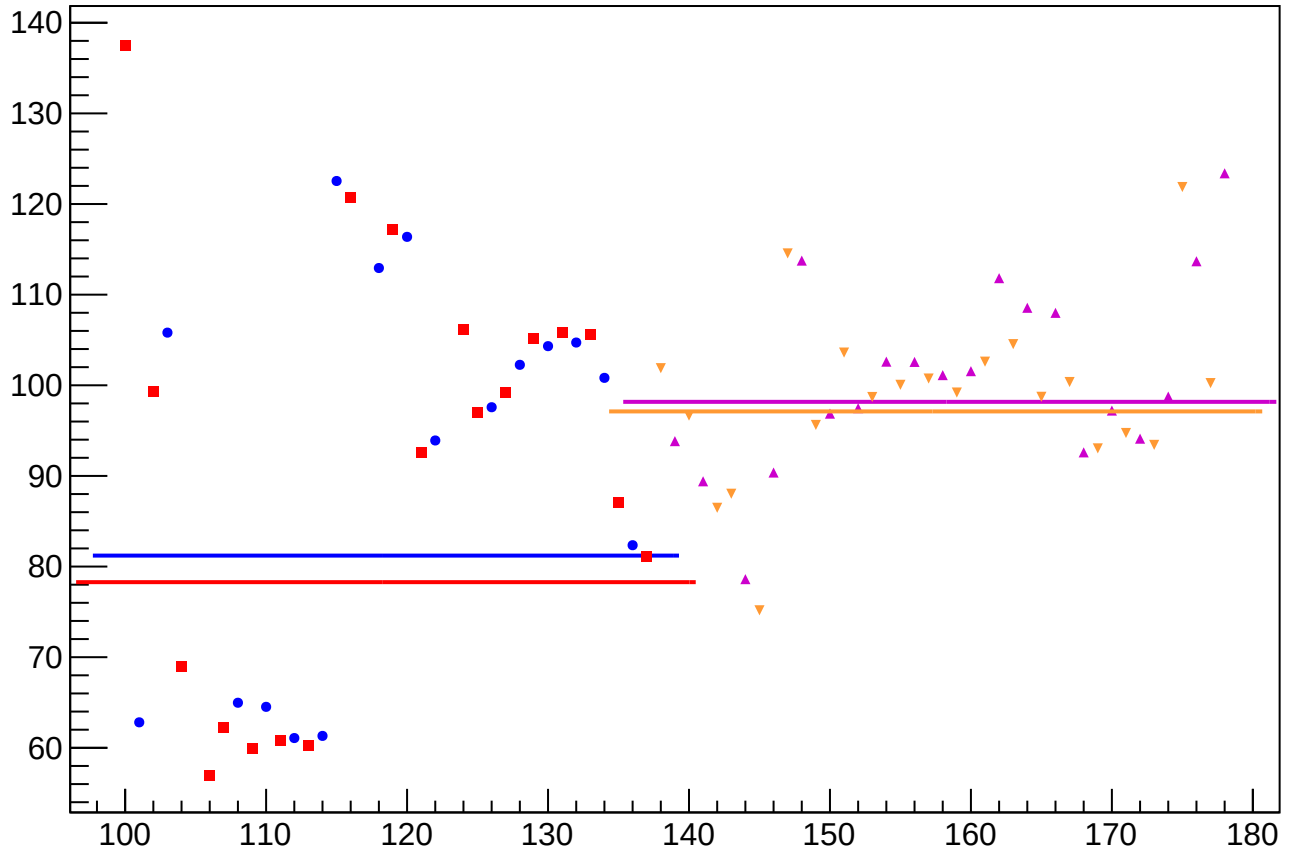
Left: 44.822+/-17.126 χ^2/NDF: 46.5/40

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: 14.511+/-19.272 χ^2/NDF:42.3/35

Out: 59.376+/-18.705 χ^2/NDF:40.0/39

All: 37.613+/-13.422 χ^2/NDF: 85.1/75



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: 98.174+/-0.017 χ^2/NDF:328181.9/19

Left: 97.634+/-0.012 χ^2/NDF: 643469.5/40

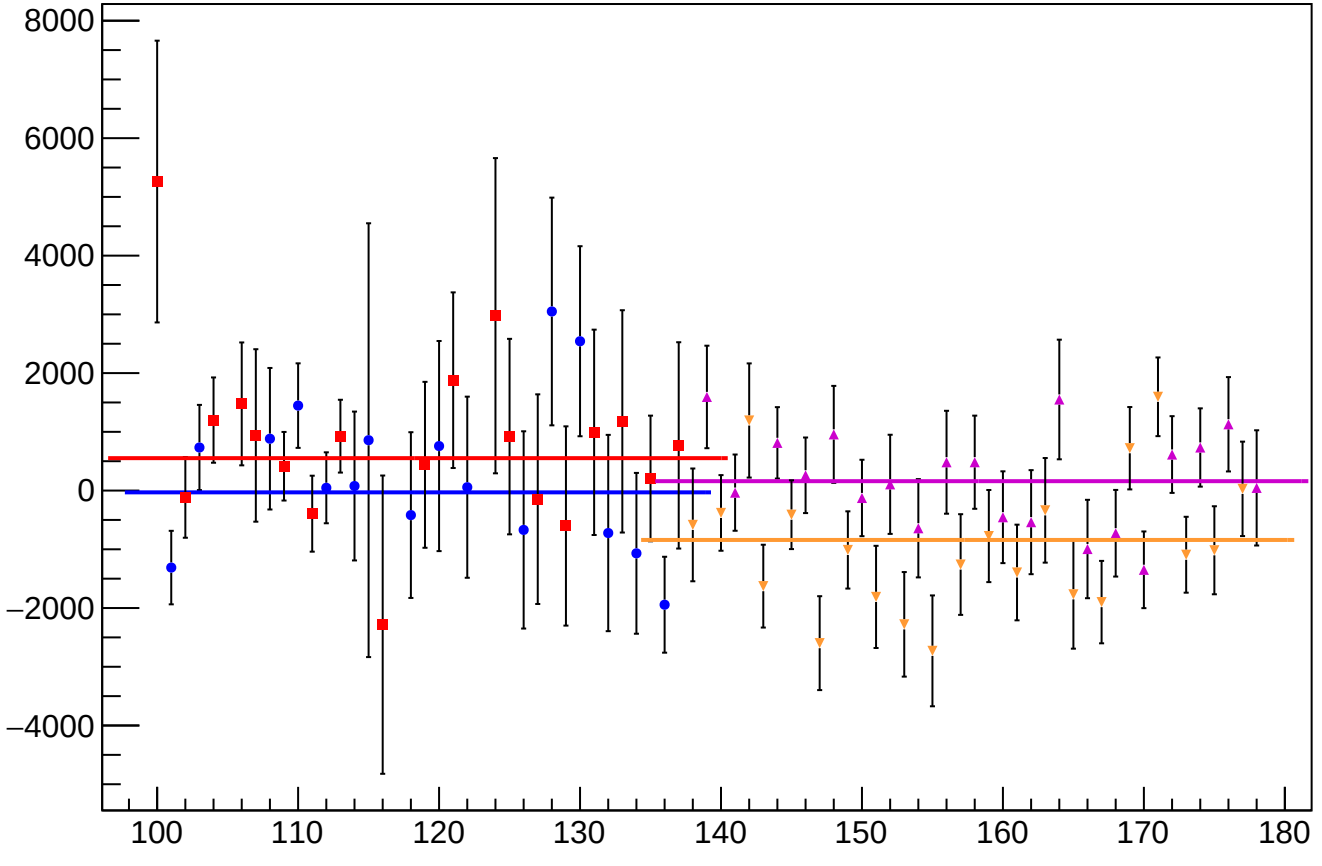
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 91.714+/-0.014 χ^2/NDF:1481282.2/35

Out: 89.763+/-0.013 χ^2/NDF:1732973.9/39

All: 90.709+/-0.009 χ^2/NDF: 3224806.0/75

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: 159.975+/-168.952 χ^2/NDF:20.8/19

Left: -347.242+/-118.647 χ^2/NDF: 82.0/40

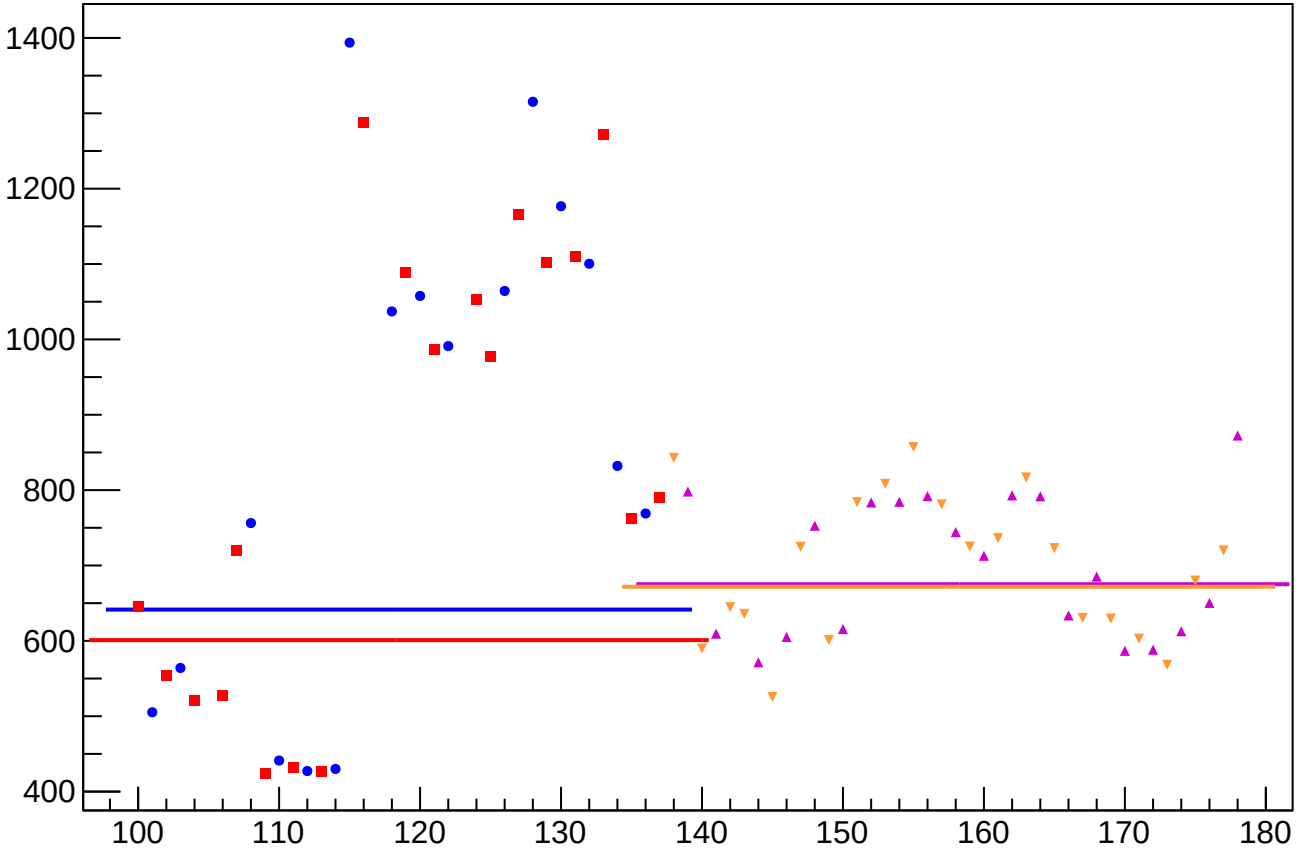
Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 102.518+/-141.178 χ^2/NDF:43.1/35

Out: -384.204+/-136.635 χ^2/NDF:79.1/39

All: -148.799+/-98.182 χ^2/NDF: 128.3/75

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: 675.142+/-0.119 χ^2/NDF:538244.5/19

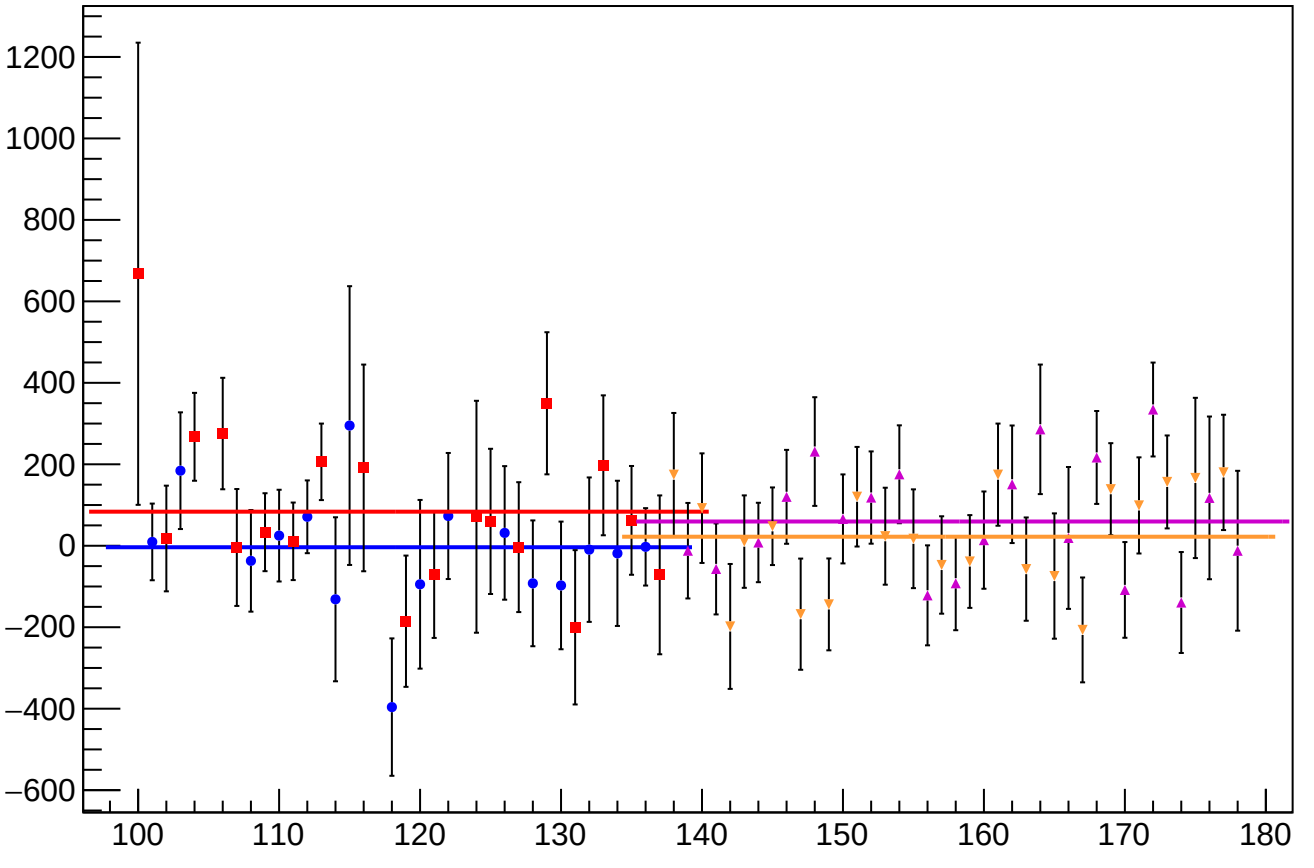
Left: 673.438+/-0.084 χ^2/NDF: 1163319.2/40

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 664.993+/-0.100 χ^2/NDF:2437113.1/35

Out: 648.568+/-0.097 χ^2/NDF:2820248.5/39

All: 656.512+/-0.069 χ^2/NDF: 5271338.7/75



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: 59.547+/-27.804 χ^2/NDF:23.8/19

Left: 40.503+/-19.467 χ^2/NDF: 43.7/40

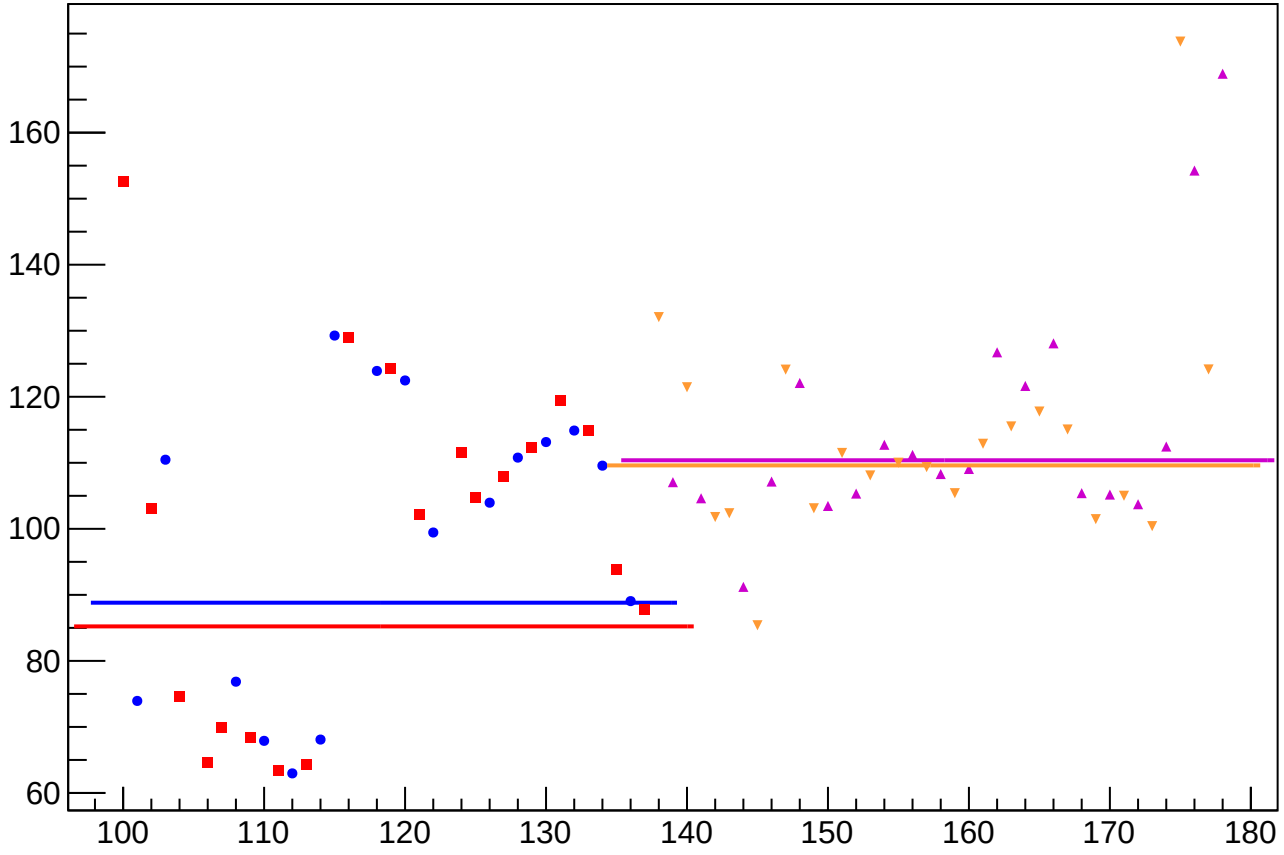
Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 34.363+/-21.562 χ^2/NDF:36.2/35

Out: 47.467+/-20.924 χ^2/NDF:40.0/39

All: 41.112+/-15.016 χ^2/NDF: 76.5/75

dit_asym_sam_1548_avg_rms vs Slug, Sign Corrected



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: 110.384+/-0.020 χ^2/NDF:460755.1/19

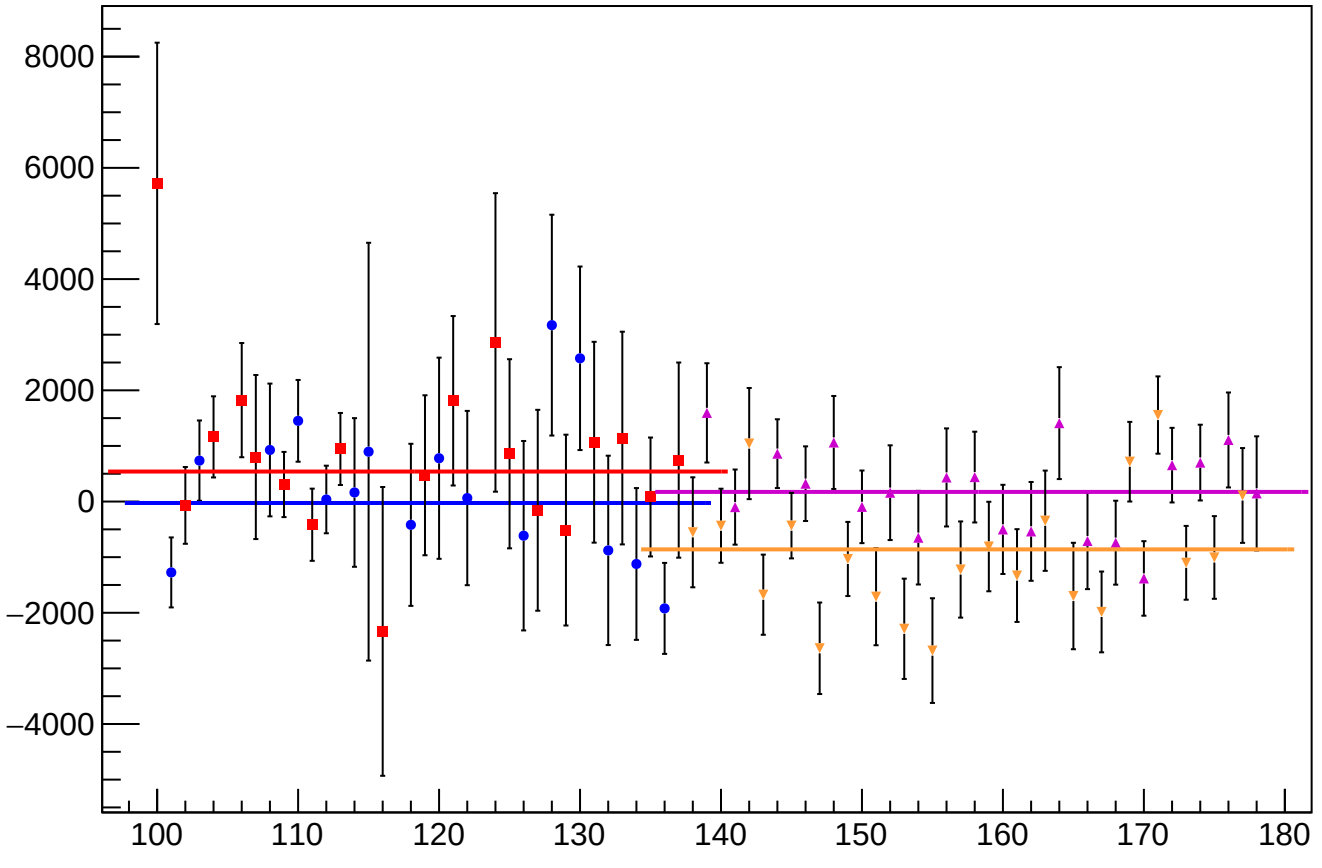
Left: 109.987+/-0.014 χ^2/NDF: 971453.9/40

Right: 86.937+/-0.017 χ^2/NDF: 1620225.0/34

In: 101.786+/-0.015 χ^2/NDF:1665189.4/35

Out: 99.582+/-0.015 χ^2/NDF:2051361.6/39

All: 100.651+/-0.011 χ^2/NDF: 3727318.5/75



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: 173.217+/-172.868 χ^2/NDF:19.5/19

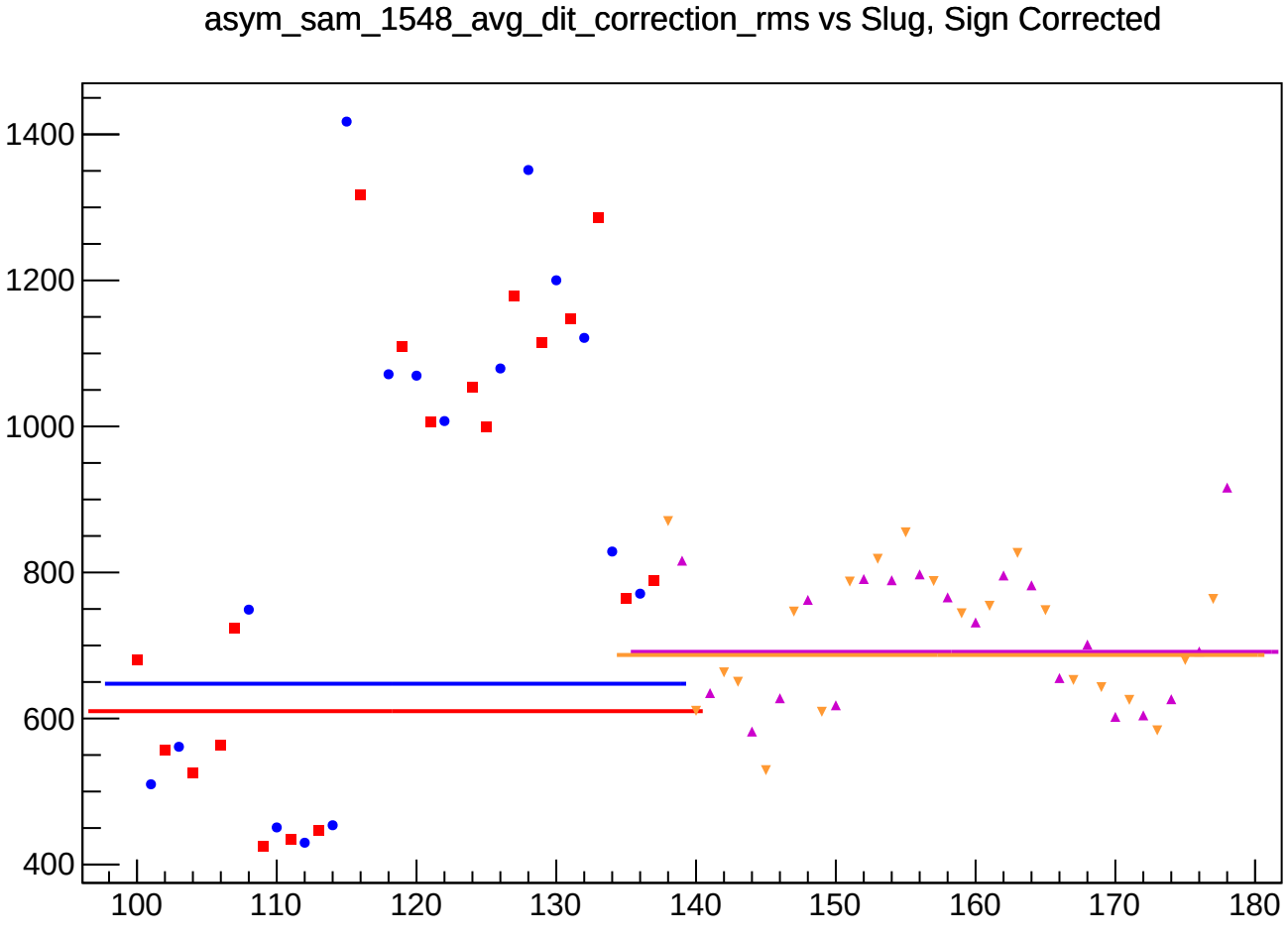
Left: -351.297+/-121.295 χ^2/NDF: 77.9/40

Right: 277.418+/-176.654 χ^2/NDF: 37.7/34

In: 112.022+/-143.852 χ^2/NDF:41.5/35

Out: -394.687+/-139.090 χ^2/NDF:76.4/39

All: -149.857+/-99.993 χ^2/NDF: 124.2/75



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: 691.288+/-0.122 χ^2/NDF:509442.3/19

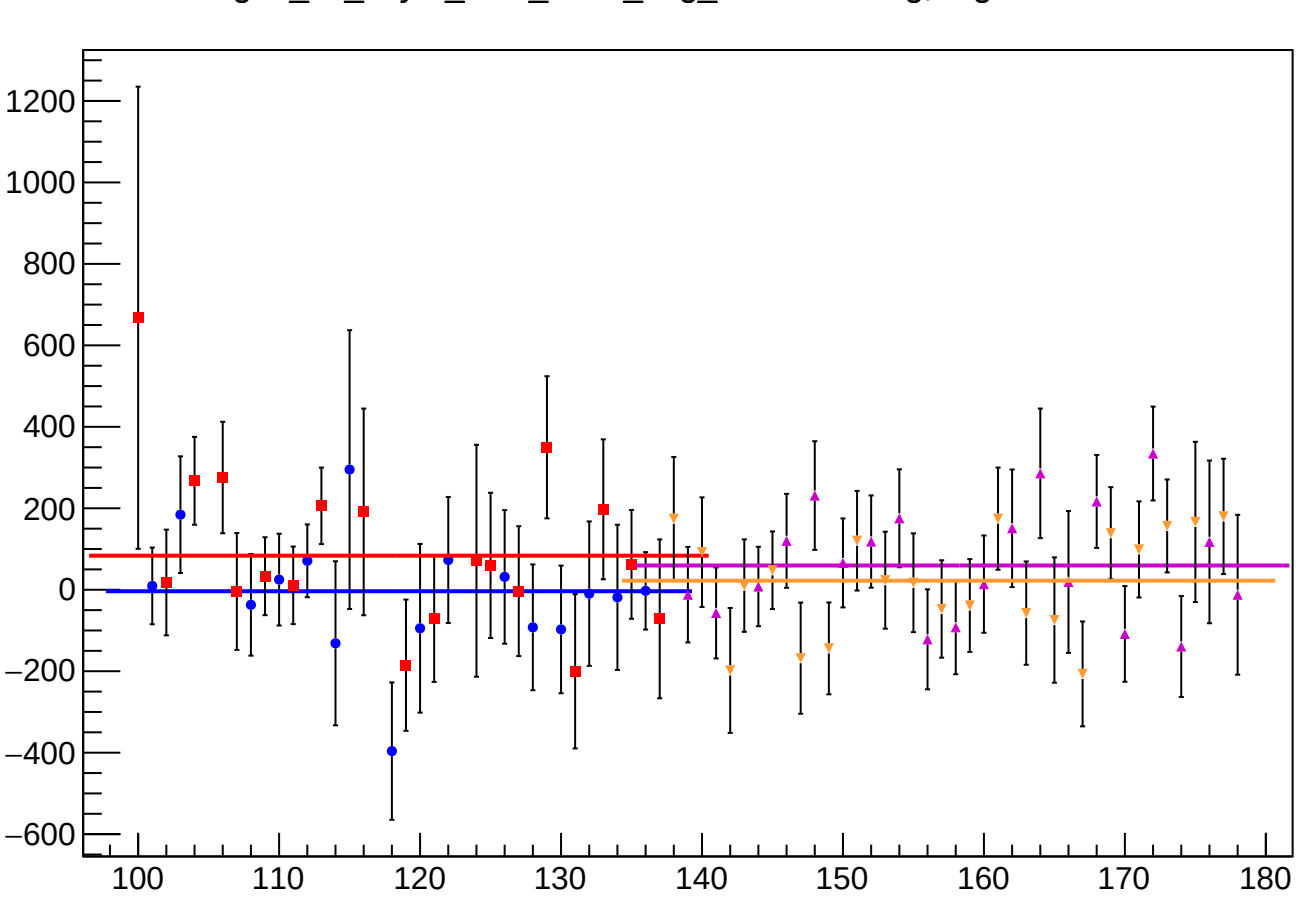
Left: 689.121+/-0.086 χ^2/NDF: 1124969.1/40

Right: 627.489+/-0.125 χ^2/NDF: 3984572.9/34

In: 677.865+/-0.102 χ^2/NDF:2436468.8/35

Out: 661.436+/-0.098 χ^2/NDF:2825037.2/39

All: 669.374+/-0.071 χ^2/NDF: 5274987.7/75



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: 59.547+/-27.804 χ^2/NDF:23.8/19

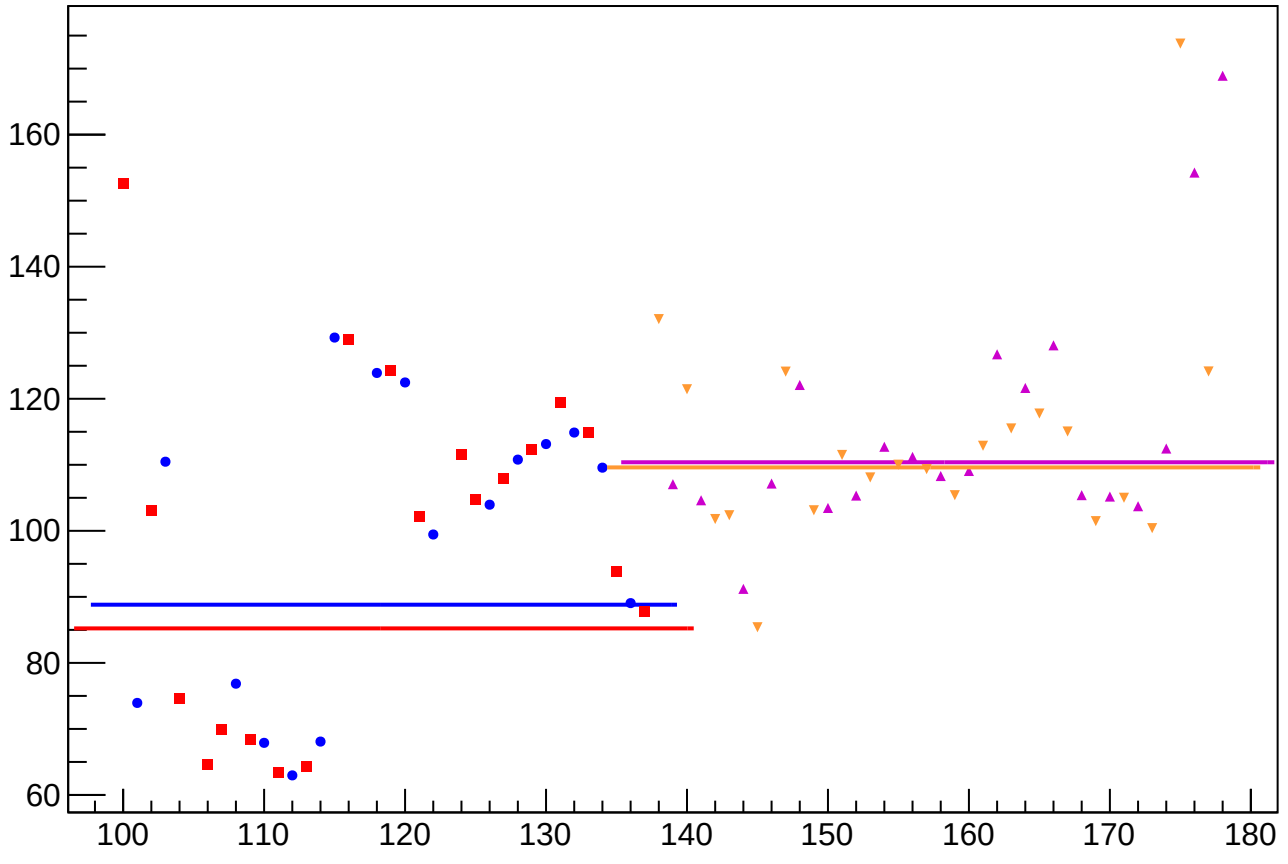
Left: 40.503+/-19.467 χ^2/NDF: 43.7/40

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 34.363+/-21.562 χ^2/NDF:36.2/35

Out: 47.468+/-20.924 χ^2/NDF:40.0/39

All: 41.112+/-15.016 χ^2/NDF: 76.5/75



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: 110.384+/-0.020 χ^2/NDF:460740.7/19

Left: 109.987+/-0.014 χ^2/NDF: 971432.5/40

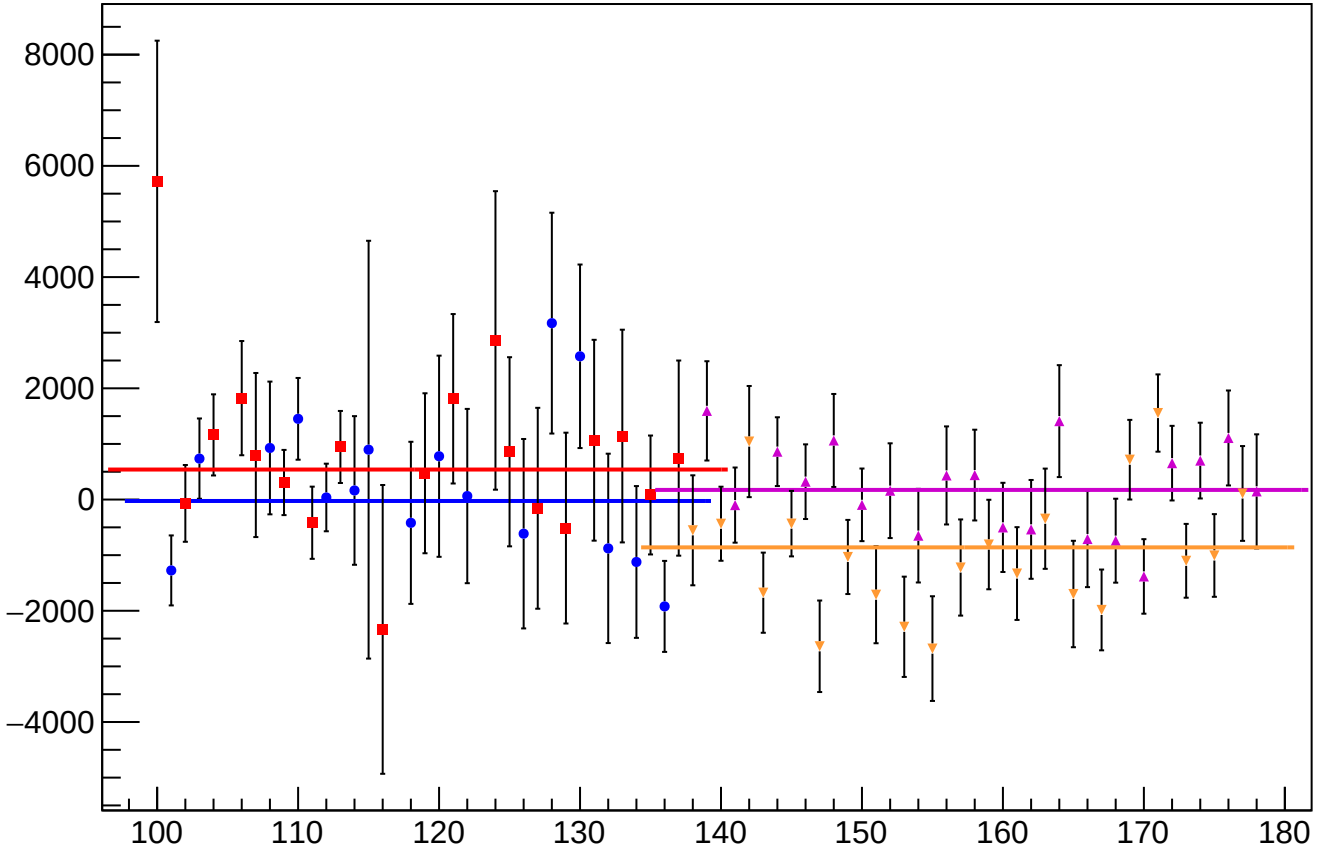
Right: 86.937+/-0.017 χ^2/NDF: 1620226.9/34

In: 101.786+/-0.015 χ^2/NDF:1665182.3/35

Out: 99.582+/-0.015 χ^2/NDF:2051364.3/39

All: 100.651+/-0.011 χ^2/NDF: 3727314.4/75

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: 173.216+/-172.868 χ^2/NDF:19.5/19

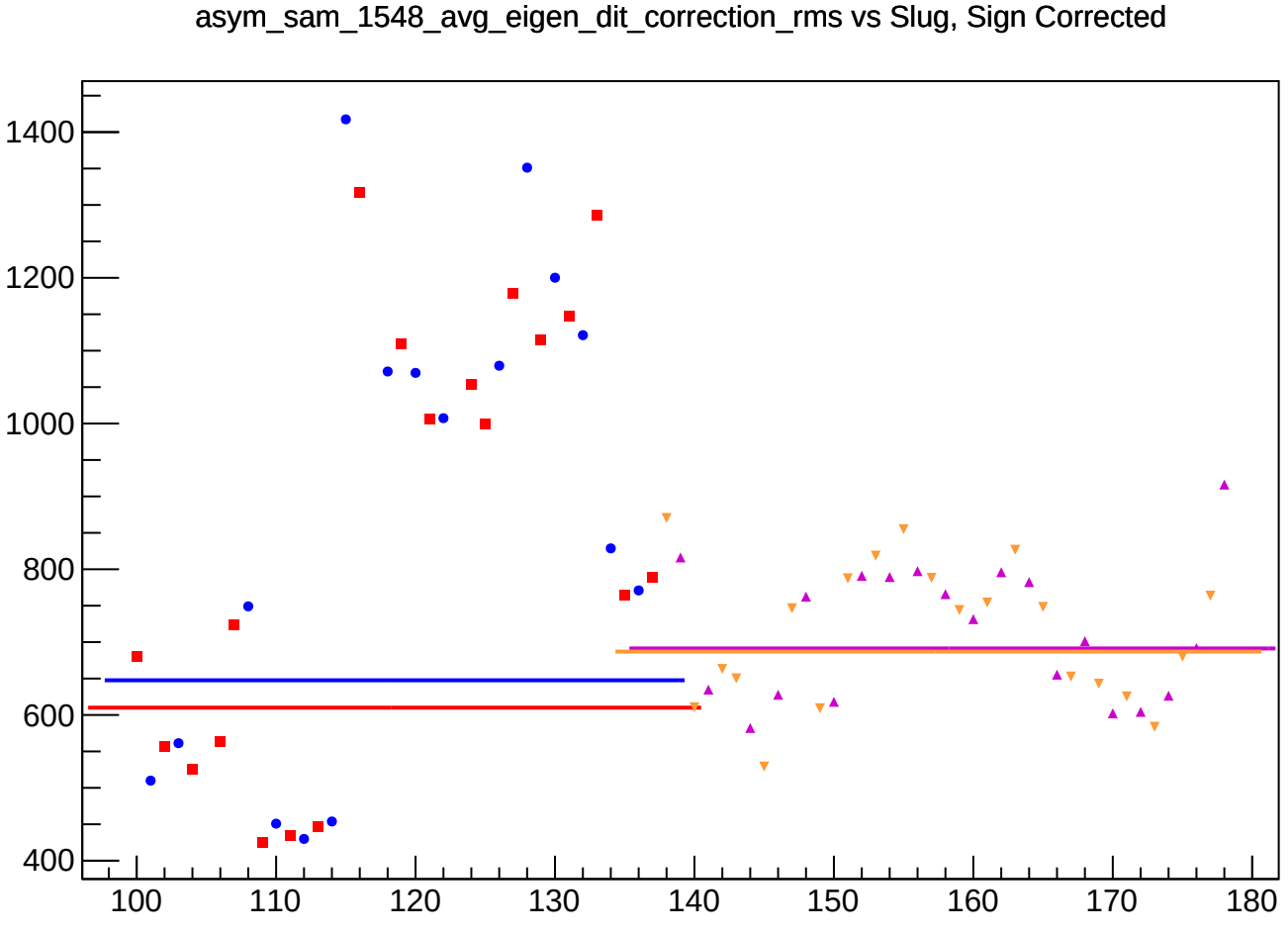
Left: -351.297+/-121.294 χ^2/NDF: 77.9/40

Right: 277.418+/-176.653 χ^2/NDF: 37.7/34

In: 112.022+/-143.852 χ^2/NDF:41.5/35

Out: -394.686+/-139.090 χ^2/NDF:76.4/39

All: -149.857+/-99.993 χ^2/NDF: 124.2/75



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: 691.287+/-0.122 χ^2/NDF:509438.5/19

Left: 689.121+/-0.086 χ^2/NDF: 1124965.0/40

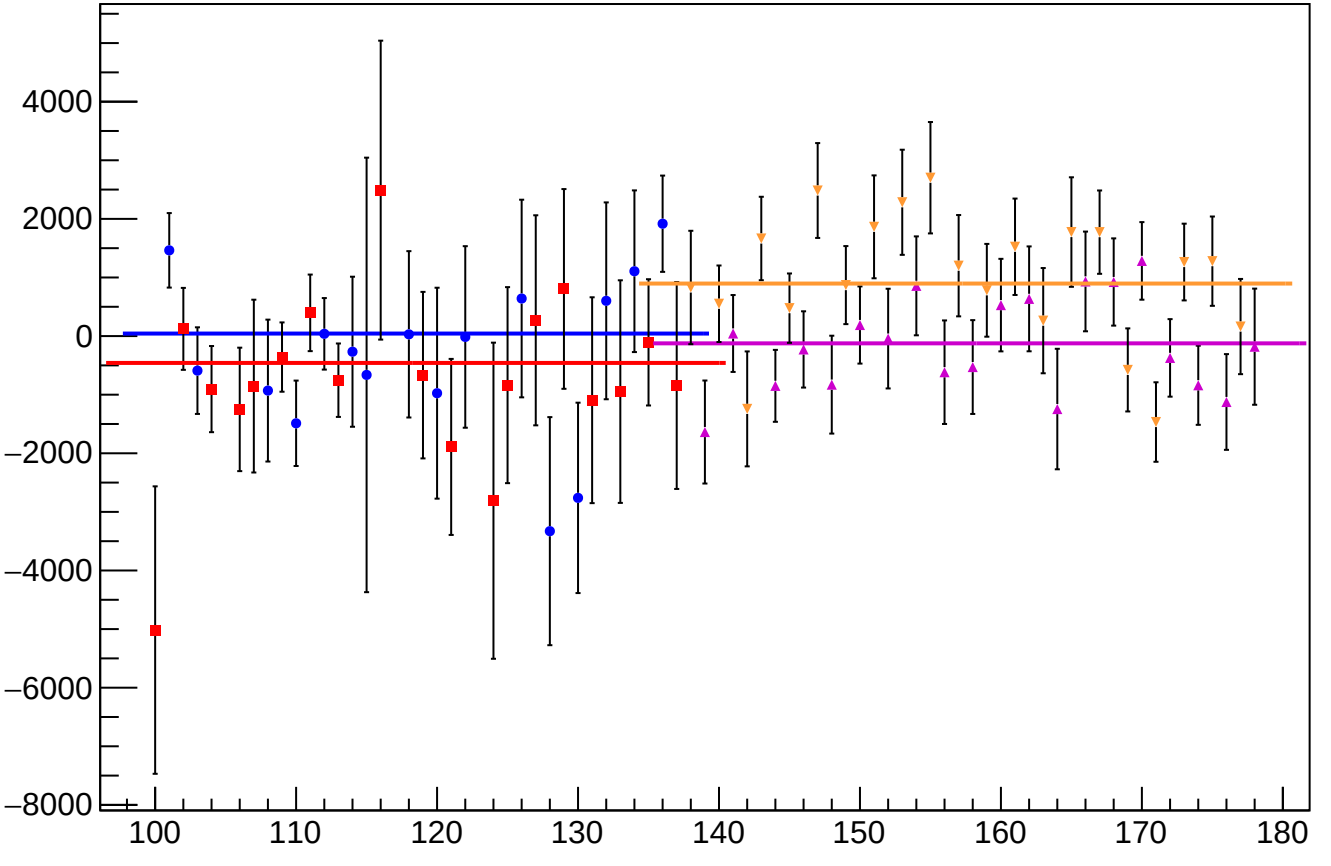
Right: 627.488+/-0.125 χ^2/NDF: 3984580.5/34

In: 677.864+/-0.102 χ^2/NDF:2436470.0/35

Out: 661.436+/-0.098 χ^2/NDF:2825040.1/39

All: 669.374+/-0.071 χ^2/NDF: 5274992.0/75

asym_sam_1548_avg_mean vs Slug, Sign Corrected



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: -123.942+/-170.835 χ^2/NDF:20.7/19

Left: 393.242+/-119.964 χ^2/NDF: 78.0/40

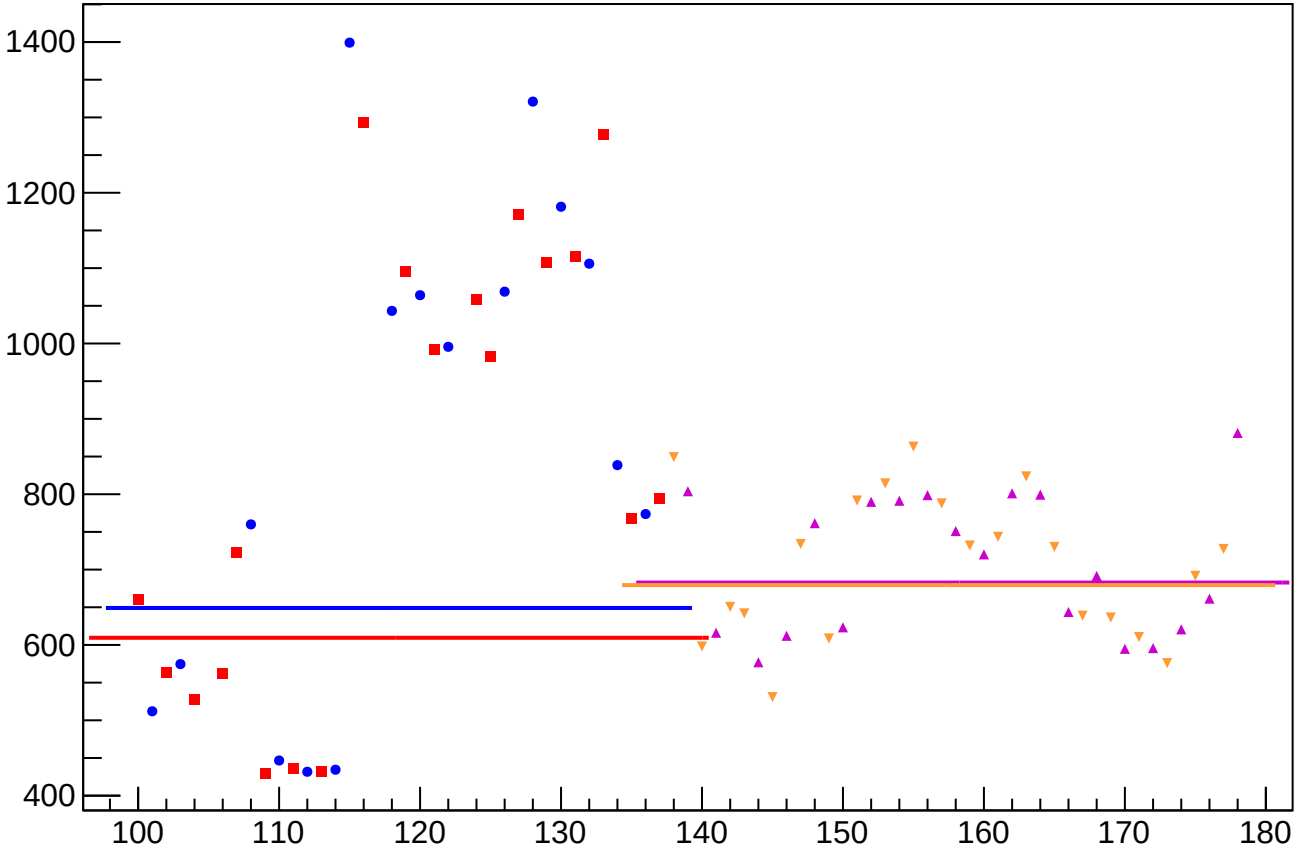
Right: -226.145+/-176.731 χ^2/NDF: 36.5/34

In: -73.501+/-142.740 χ^2/NDF:44.2/35

Out: 451.945+/-138.115 χ^2/NDF:71.7/39

All: 197.872+/-99.257 χ^2/NDF: 122.9/75

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: 682.817+/-0.121 χ^2/NDF:527640.3/19

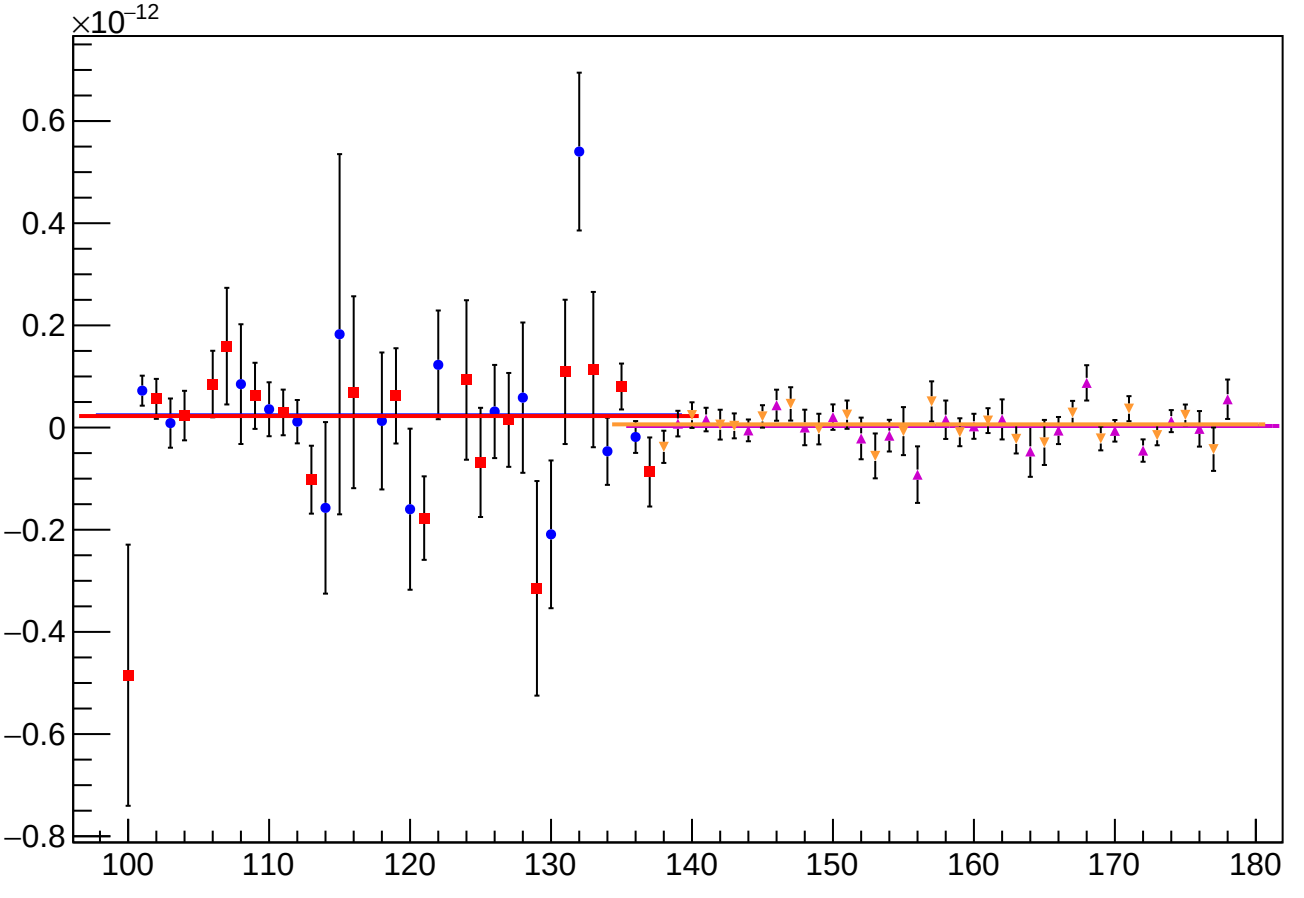
Left: 681.079+/-0.085 χ^2/NDF: 1140585.2/40

Right: 627.830+/-0.125 χ^2/NDF: 3914338.8/34

In: 672.636+/-0.101 χ^2/NDF:2396987.1/35

Out: 656.463+/-0.098 χ^2/NDF:2768972.5/39

All: 664.283+/-0.070 χ^2/NDF: 5179220.7/75



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:20.8/19

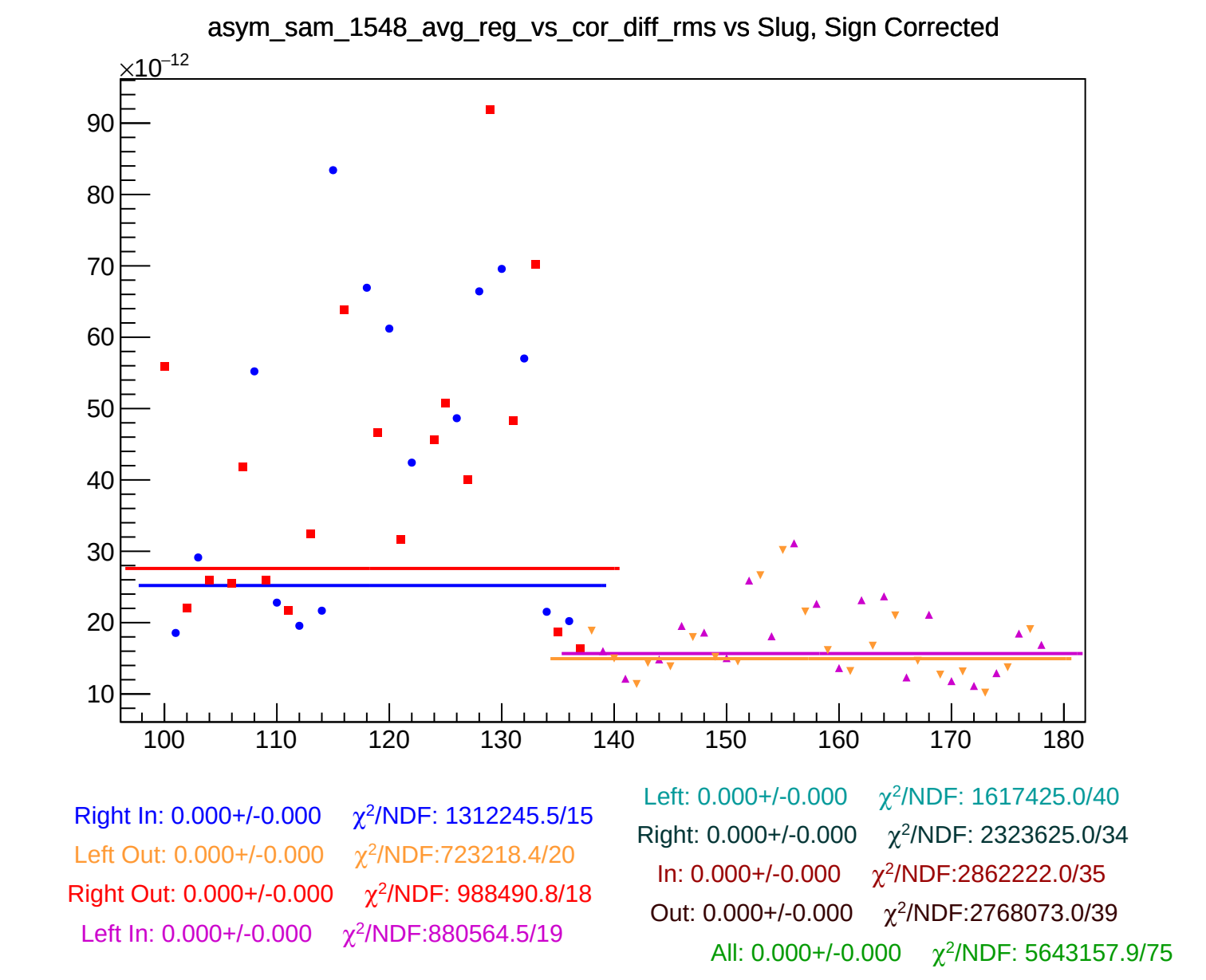
Left: 0.000+/-0.000 χ^2/NDF: 38.7/40

Right: 0.000+/-0.000 χ^2/NDF: 49.3/34

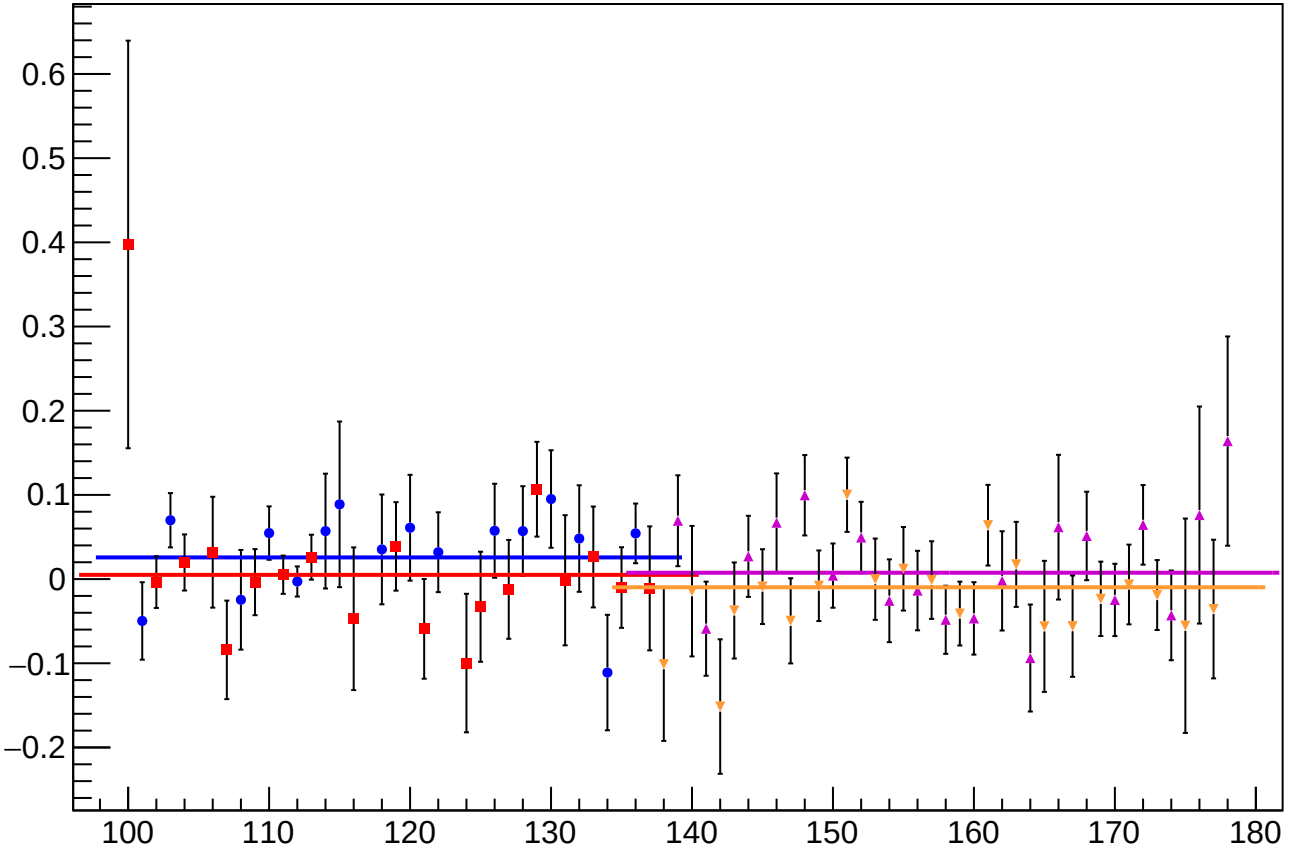
In: 0.000+/-0.000 χ^2/NDF:46.1/35

Out: 0.000+/-0.000 χ^2/NDF:44.2/39

All: 0.000+/-0.000 χ^2/NDF: 90.4/75


asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1312245.5/15
Left Out: 0.000+/-0.000 χ²/NDF:723218.4/20
Right Out: 0.000+/-0.000 χ²/NDF: 988490.8/18
Left In: 0.000+/-0.000 χ²/NDF:880564.5/19
Left: 0.000+/-0.000 χ²/NDF: 1617425.0/40
Right: 0.000+/-0.000 χ²/NDF: 2323625.0/34
In: 0.000+/-0.000 χ²/NDF:2862222.0/35
Out: 0.000+/-0.000 χ²/NDF:2768073.0/39
All: 0.000+/-0.000 χ²/NDF: 5643157.9/75

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: 0.008+/-0.011 χ^2/NDF:21.2/19

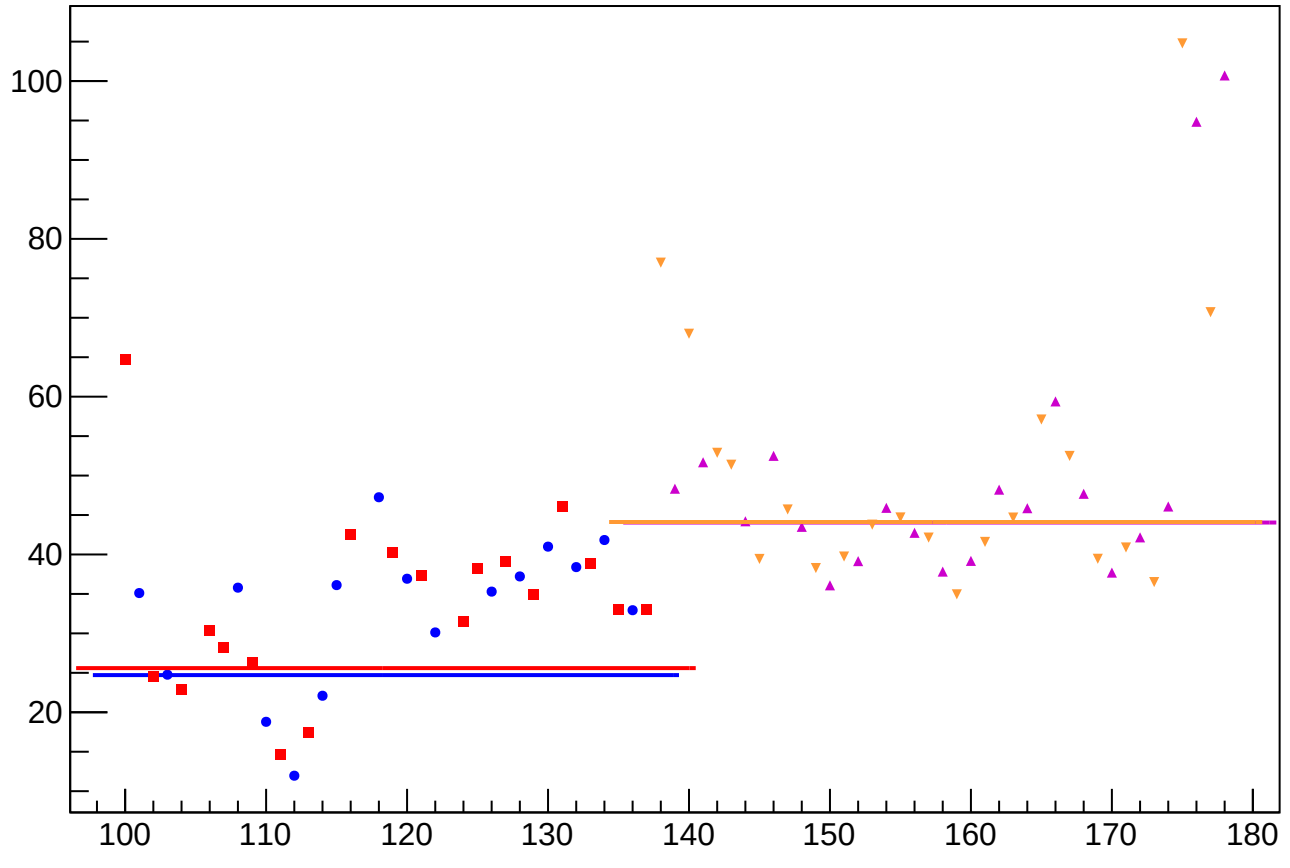
Left: -0.001+/-0.008 χ^2/NDF: 38.5/40

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.018+/-0.008 χ^2/NDF:39.1/35

Out: -0.002+/-0.008 χ^2/NDF:30.7/39

All: 0.008+/-0.005 χ^2/NDF: 72.9/75



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: 44.048+/-0.008 χ^2/NDF:1143741.4/19

Left: 44.082+/-0.006 χ^2/NDF: 2714955.9/40

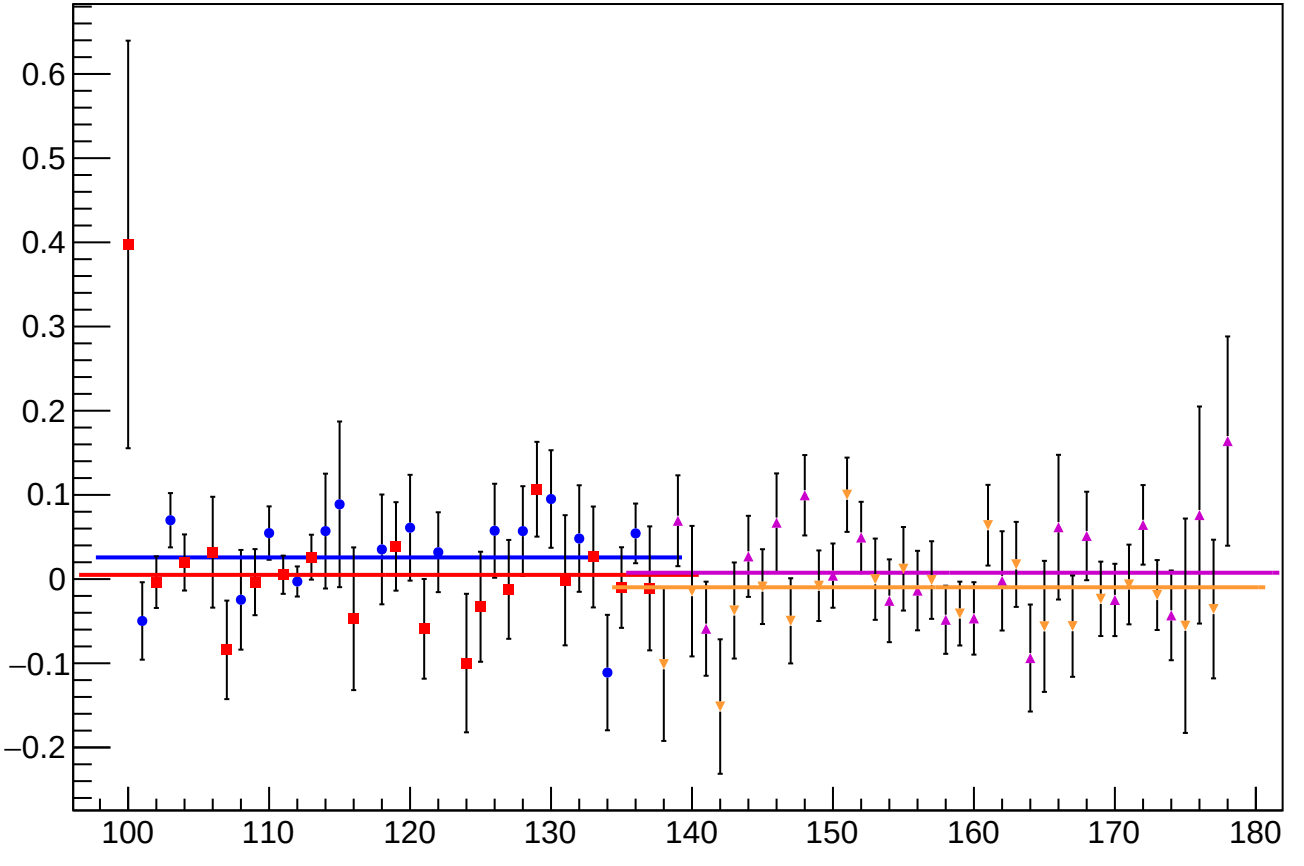
Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 33.385+/-0.005 χ^2/NDF:6565558.5/35

Out: 33.994+/-0.005 χ^2/NDF:6080582.1/39

All: 33.691+/-0.004 χ^2/NDF: 12652453.6/75

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: 0.008+/-0.011 χ^2/NDF:21.2/19

Left: -0.001+/-0.008 χ^2/NDF: 38.5/40

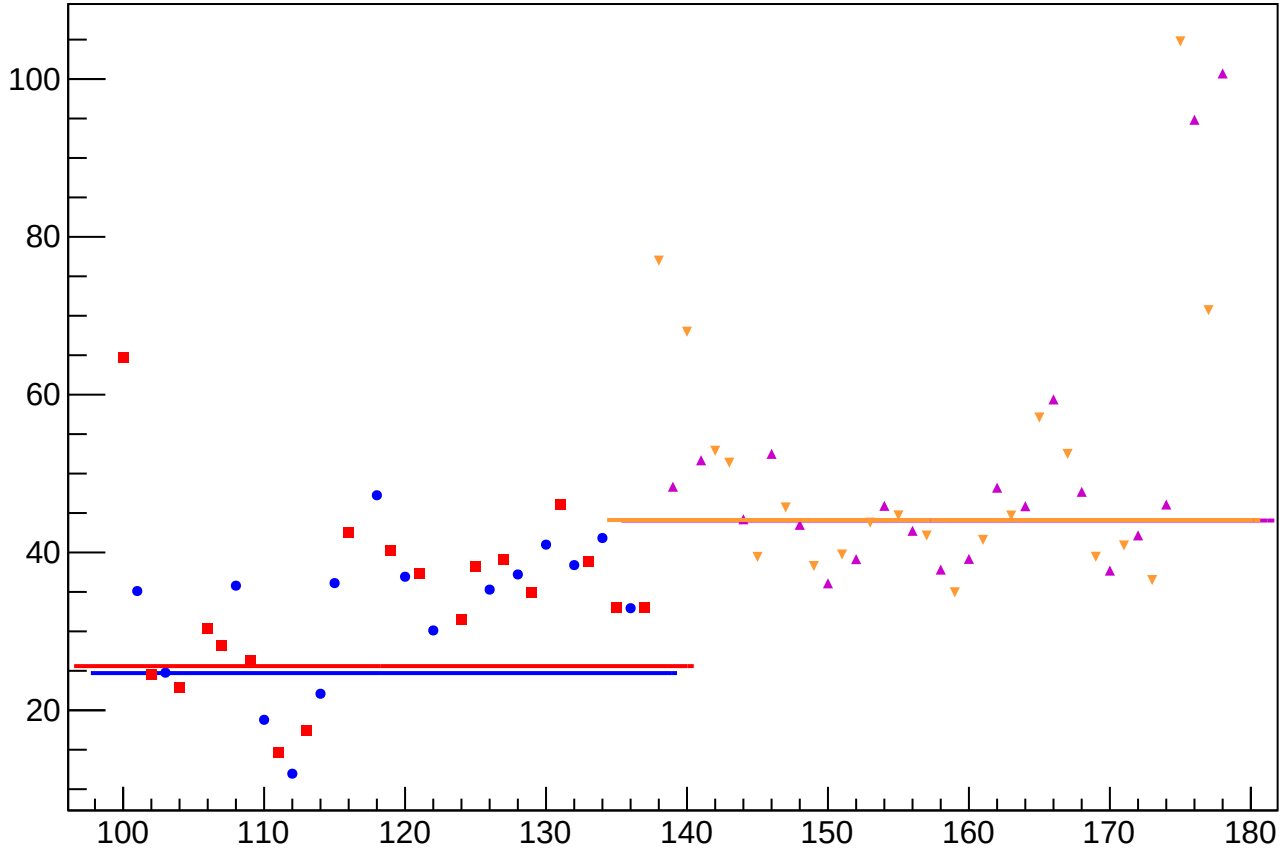
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.018+/-0.008 χ^2/NDF:39.1/35

Out: -0.002+/-0.008 χ^2/NDF:30.7/39

All: 0.008+/-0.005 χ^2/NDF: 72.9/75

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: 44.048+/-0.008 χ^2/NDF:1143741.4/19

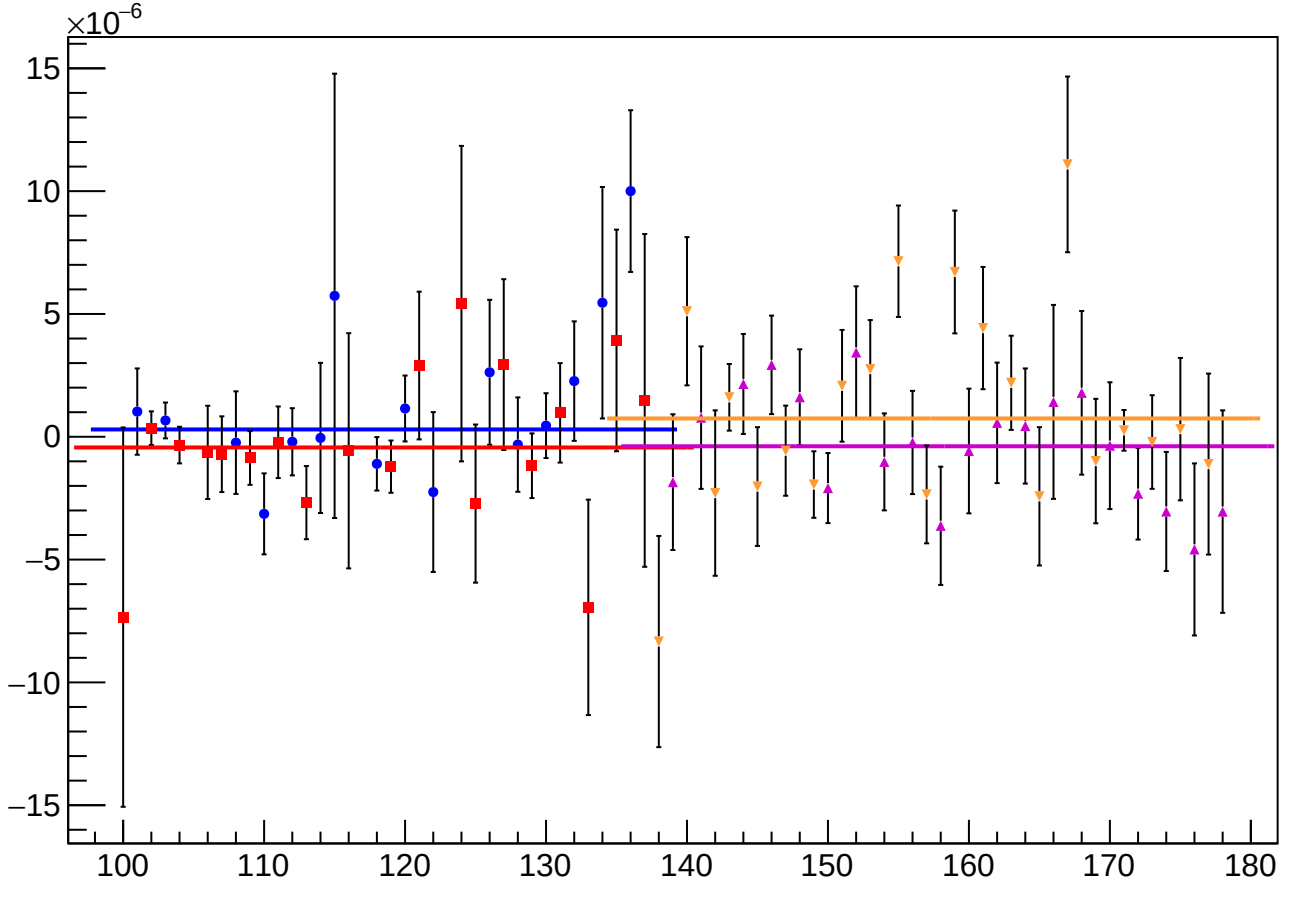
Left: 44.082+/-0.006 χ^2/NDF: 2714955.9/40

Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 33.385+/-0.005 χ^2/NDF:6565558.5/35

Out: 33.994+/-0.005 χ^2/NDF:6080582.1/39

All: 33.691+/-0.004 χ^2/NDF: 12652453.6/75



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:16.2/19

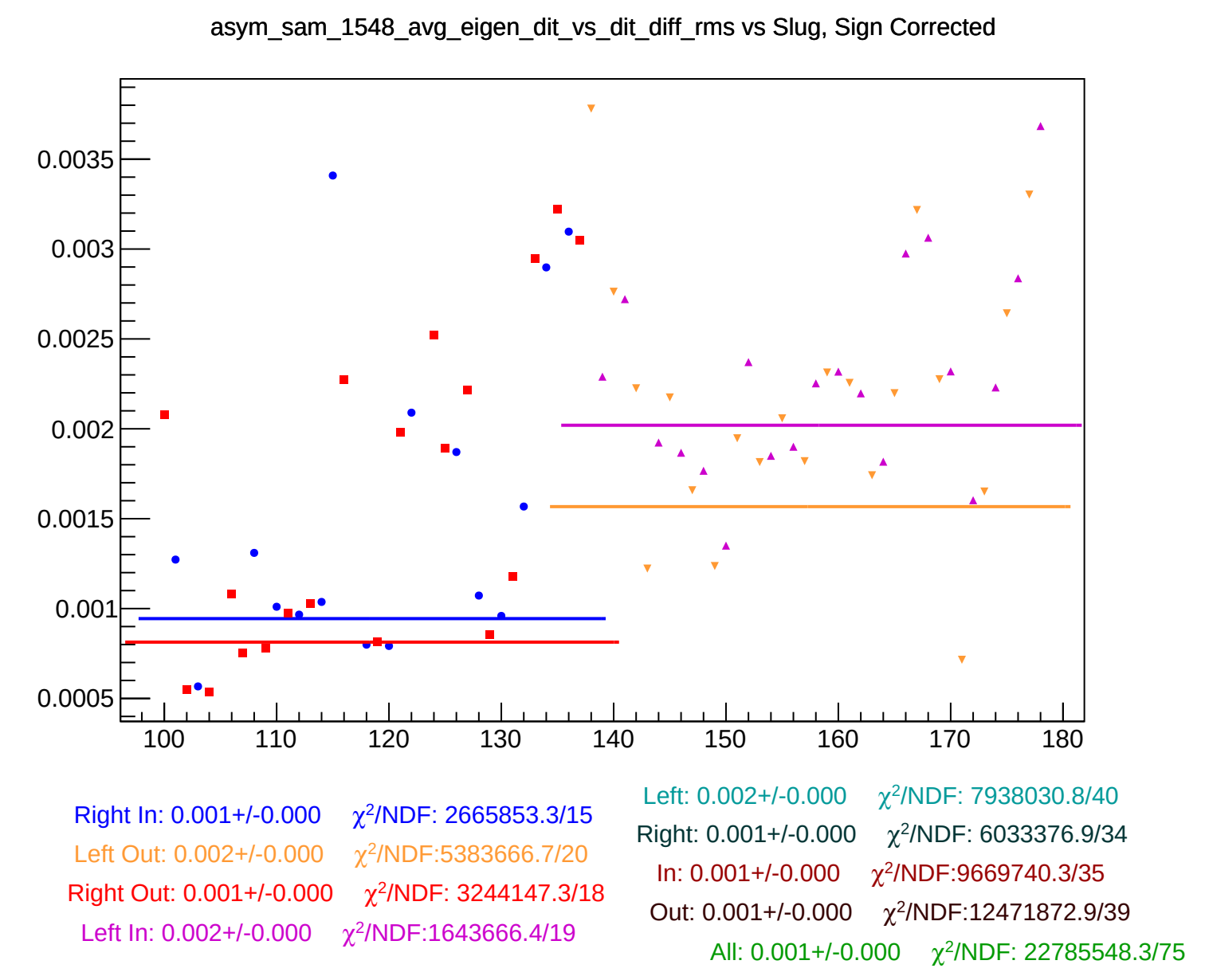
Left: 0.000+/-0.000 χ^2/NDF: 63.7/40

Right: -0.000+/-0.000 χ^2/NDF: 33.9/34

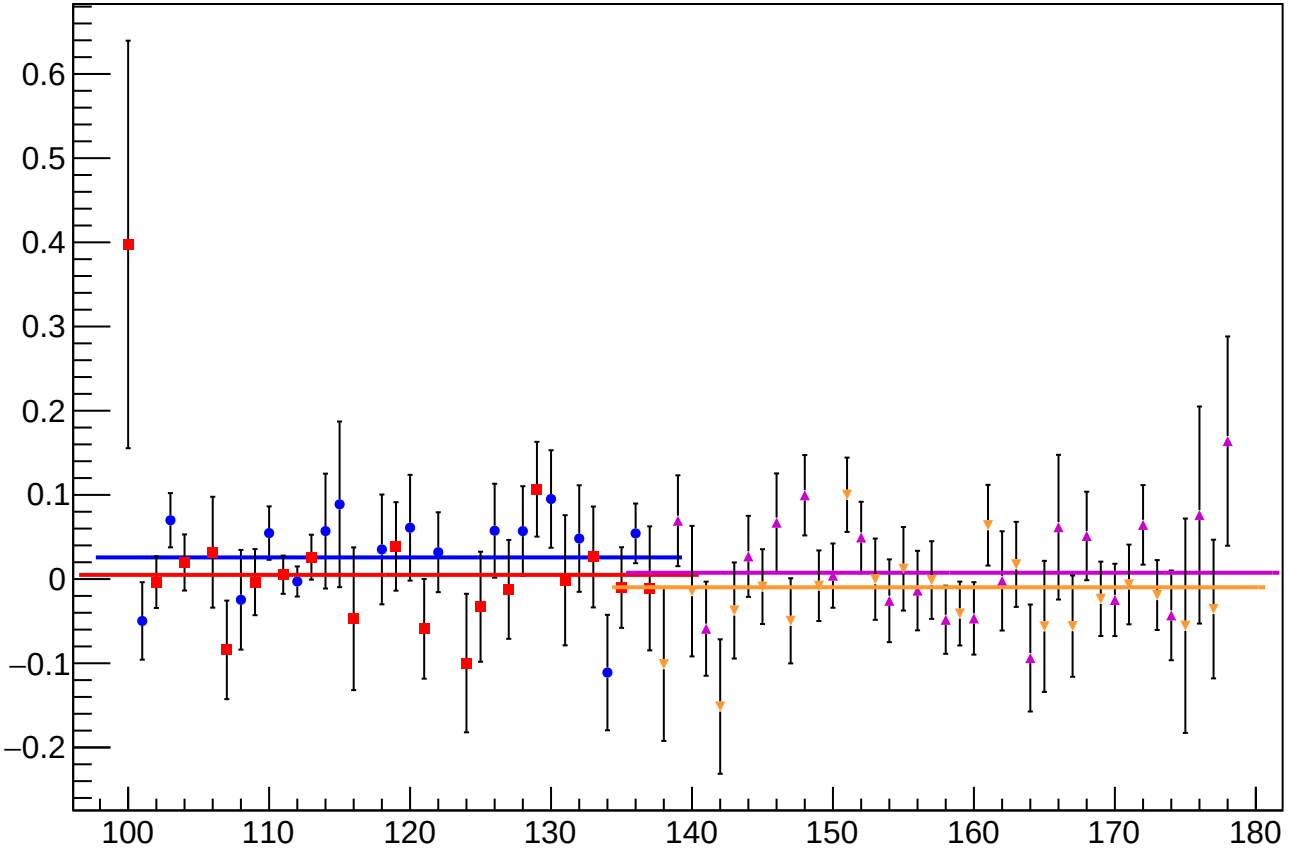
In: 0.000+/-0.000 χ^2/NDF:36.5/35

Out: 0.000+/-0.000 χ^2/NDF:62.1/39

All: 0.000+/-0.000 χ^2/NDF: 98.7/75


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:1643666.4/19
Left: 0.002+/-0.000 χ²/NDF: 7938030.8/40
Right: 0.001+/-0.000 χ²/NDF: 6033376.9/34
In: 0.001+/-0.000 χ²/NDF:9669740.3/35
Out: 0.001+/-0.000 χ²/NDF:12471872.9/39
All: 0.001+/-0.000 χ²/NDF: 22785548.3/75

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: 0.008+/-0.011 χ^2/NDF:21.2/19

Left: -0.001+/-0.008 χ^2/NDF: 38.5/40

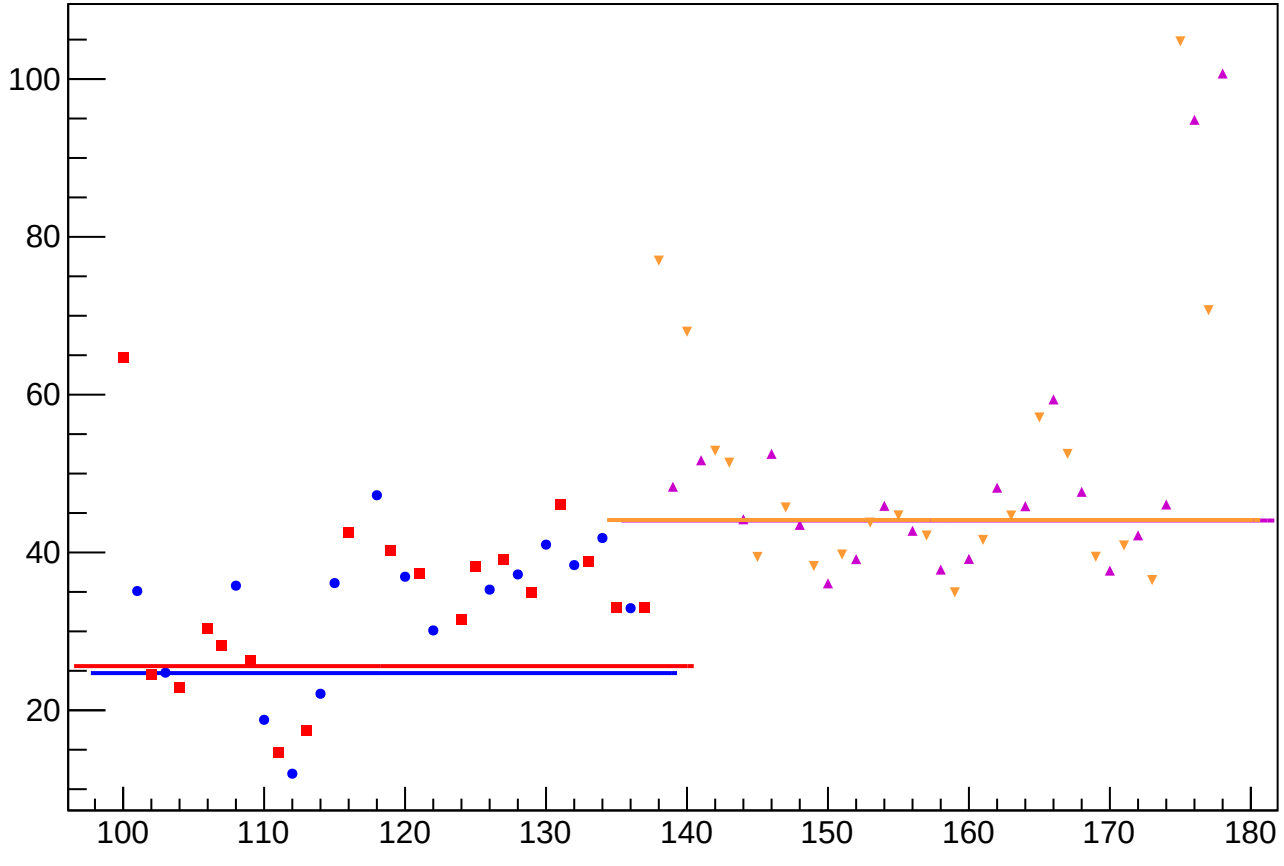
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.018+/-0.008 χ^2/NDF:39.1/35

Out: -0.002+/-0.008 χ^2/NDF:30.7/39

All: 0.008+/-0.005 χ^2/NDF: 72.9/75

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: 44.049+/-0.008 χ^2/NDF:1143678.4/19

Left: 44.083+/-0.006 χ^2/NDF: 2714835.7/40

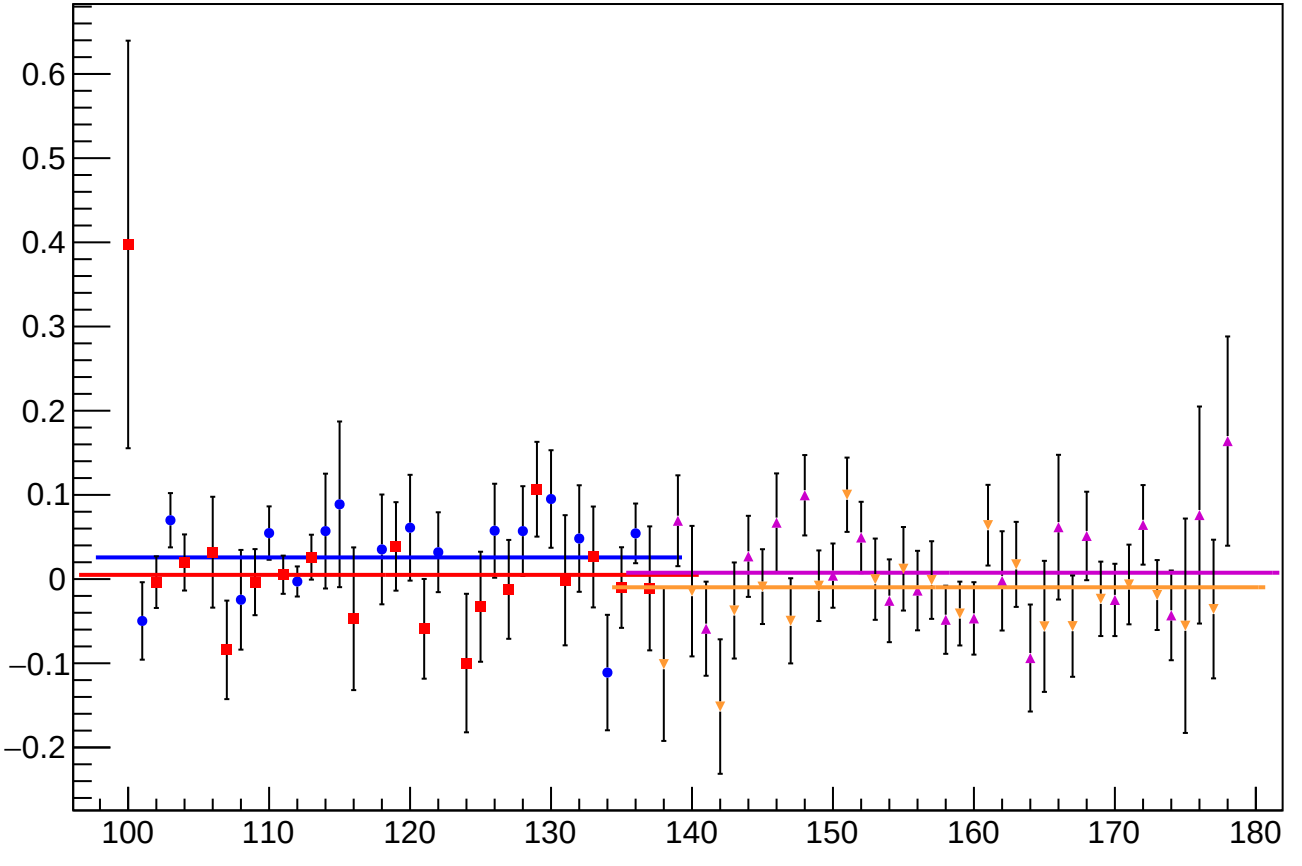
Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 33.384+/-0.005 χ^2/NDF:6566000.7/35

Out: 33.994+/-0.005 χ^2/NDF:6080925.2/39

All: 33.691+/-0.004 χ^2/NDF: 12653241.6/75

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: 0.008+/-0.011 χ^2/NDF:21.2/19

Left: -0.001+/-0.008 χ^2/NDF: 38.5/40

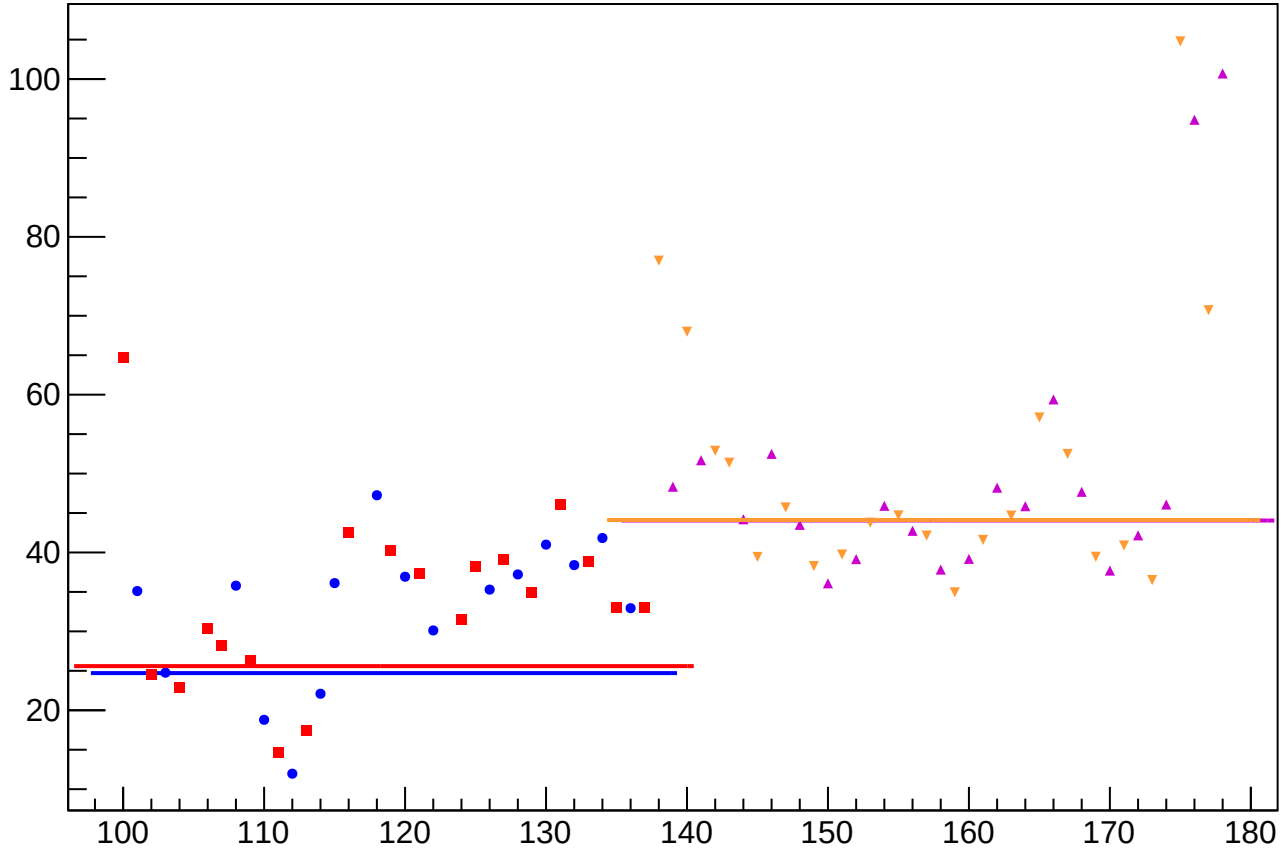
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.018+/-0.008 χ^2/NDF:39.1/35

Out: -0.002+/-0.008 χ^2/NDF:30.7/39

All: 0.008+/-0.005 χ^2/NDF: 72.9/75

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: 44.049+/-0.008 χ^2/NDF:1143678.4/19

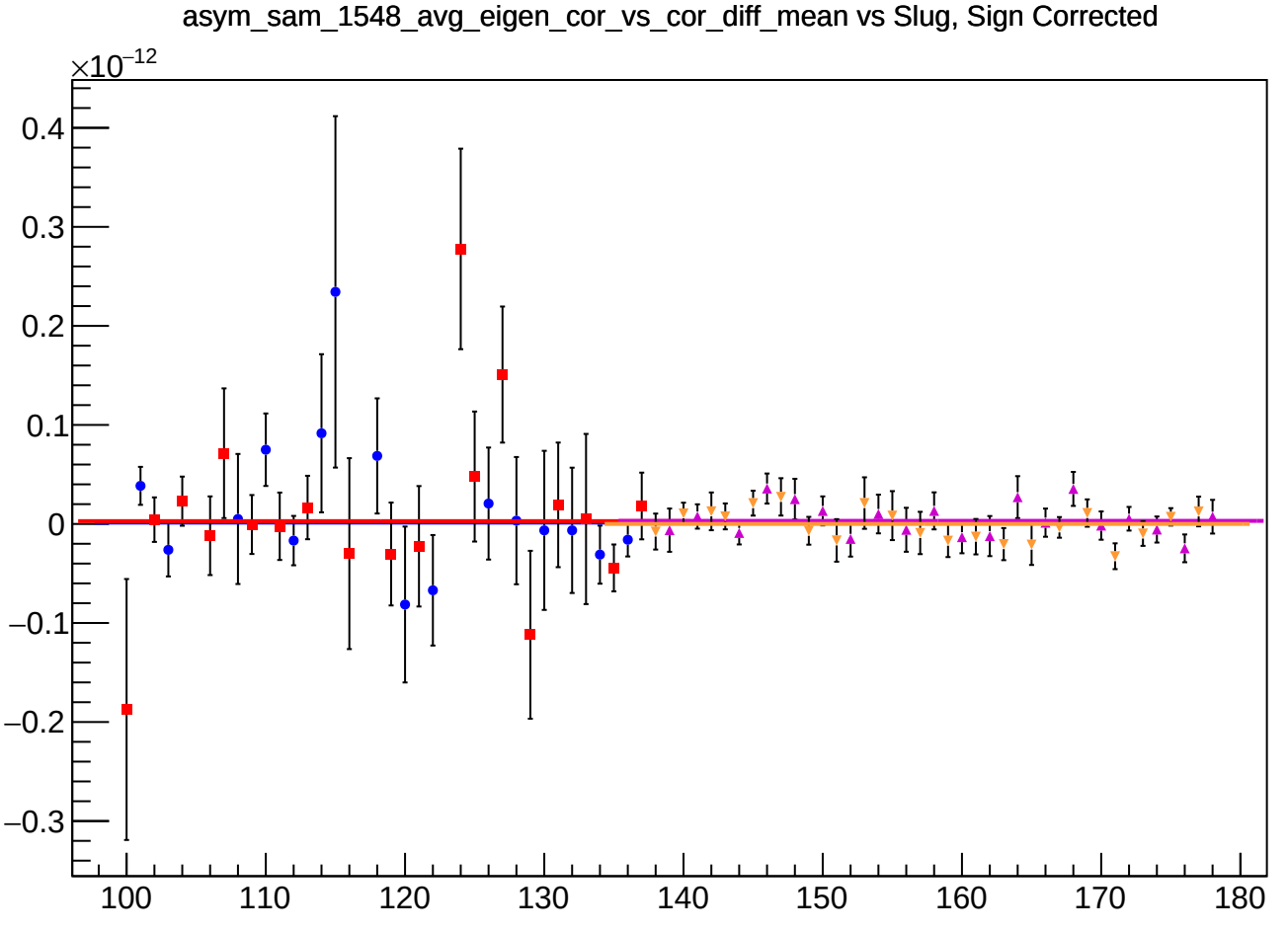
Left: 44.083+/-0.006 χ^2/NDF: 2714835.7/40

Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 33.384+/-0.005 χ^2/NDF:6566000.7/35

Out: 33.994+/-0.005 χ^2/NDF:6080925.2/39

All: 33.691+/-0.004 χ^2/NDF: 12653241.6/75



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:20.3/19

Left: 0.000+/-0.000 χ^2/NDF: 42.5/40

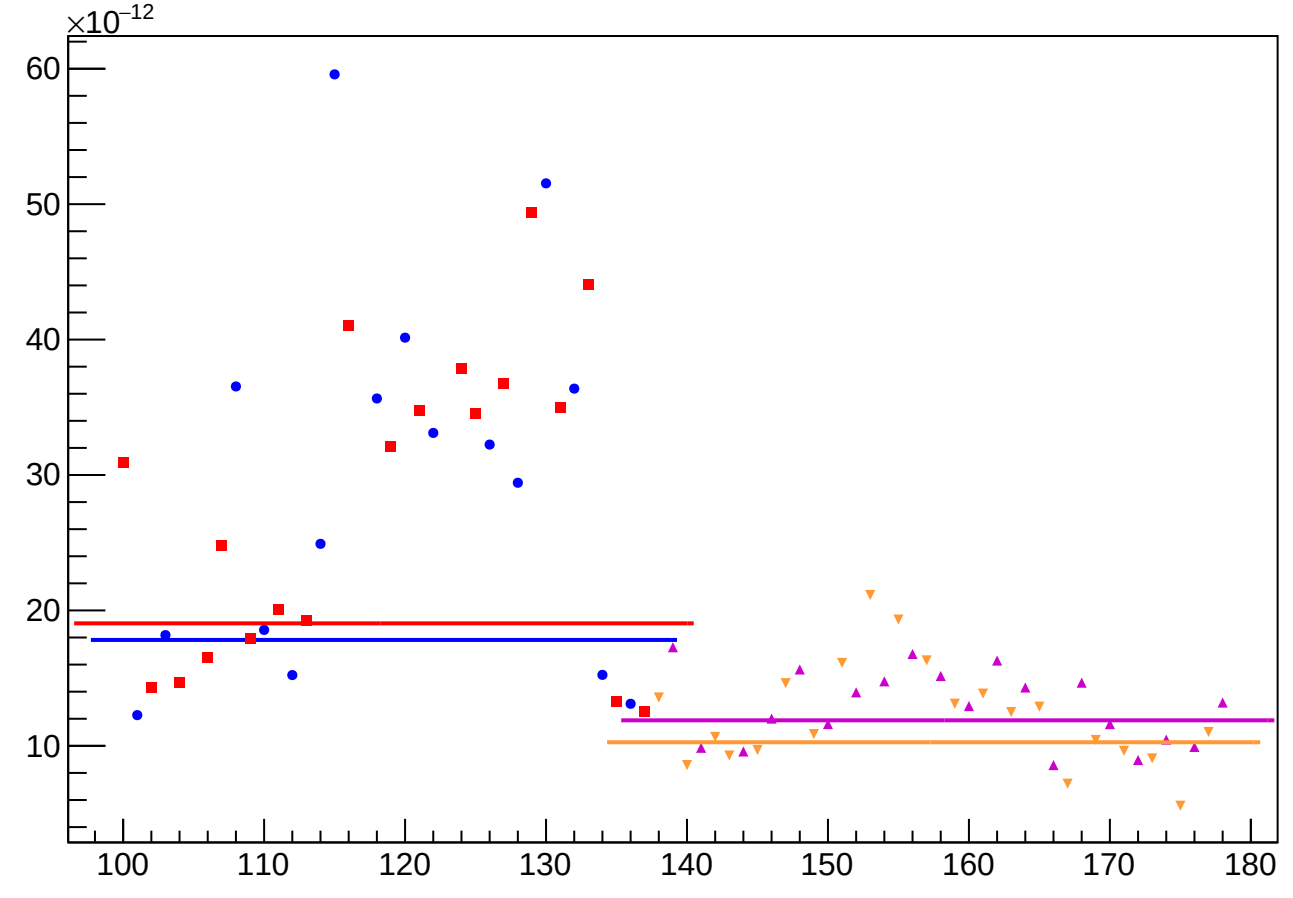
Right: 0.000+/-0.000 χ^2/NDF: 42.2/34

In: 0.000+/-0.000 χ^2/NDF:39.0/35

Out: 0.000+/-0.000 χ^2/NDF:45.3/39

All: 0.000+/-0.000 χ^2/NDF: 84.7/75

asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1869965.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2146406.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1620721.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1037794.4/19

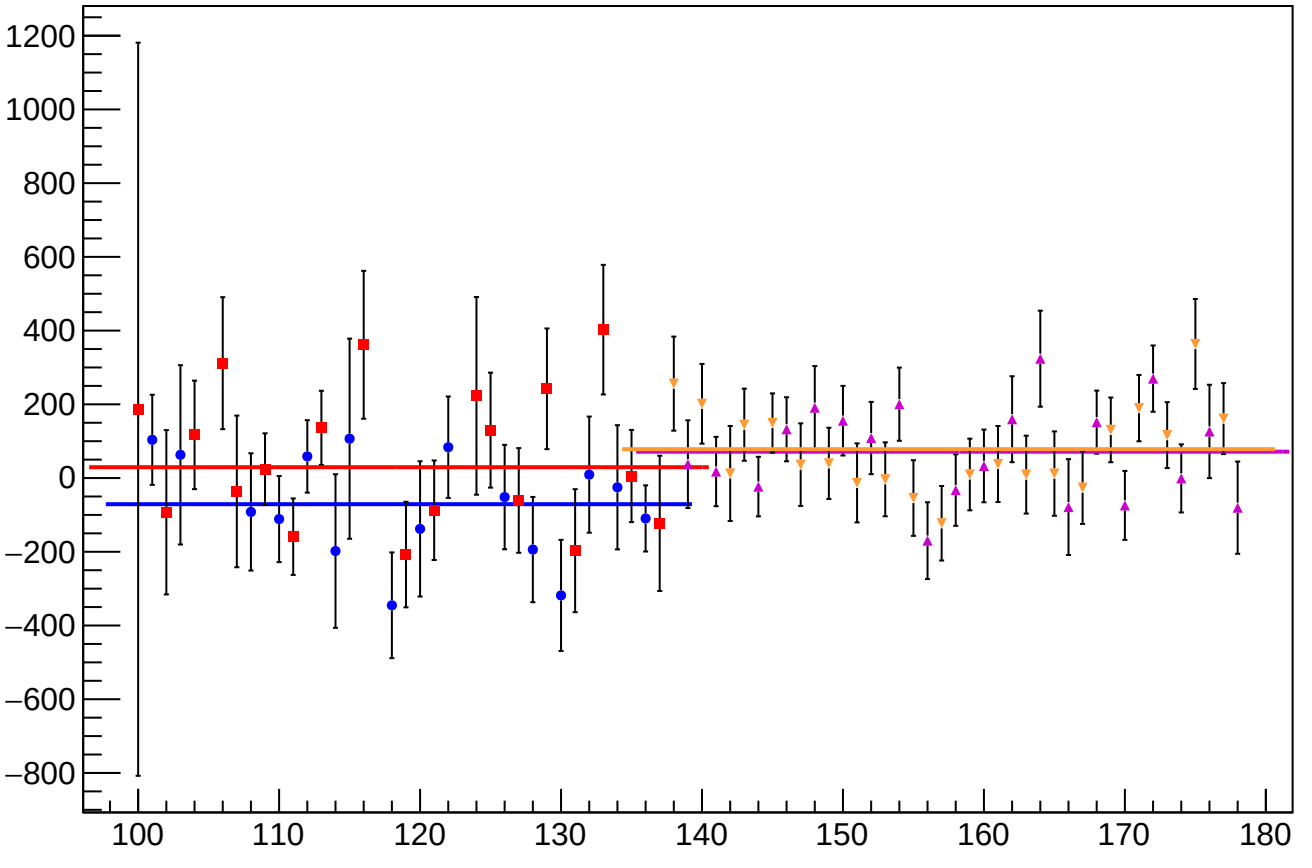
Left: 0.000+/-0.000 χ^2/NDF: 3417788.5/40

Right: 0.000+/-0.000 χ^2/NDF: 3509564.6/34

In: 0.000+/-0.000 χ^2/NDF:3712654.0/35

Out: 0.000+/-0.000 χ^2/NDF:5414537.3/39

All: 0.000+/-0.000 χ^2/NDF: 9358344.8/75



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: 71.570+/-22.493 χ^2/NDF:28.8/19

Left: 75.029+/-15.749 χ^2/NDF: 51.7/40

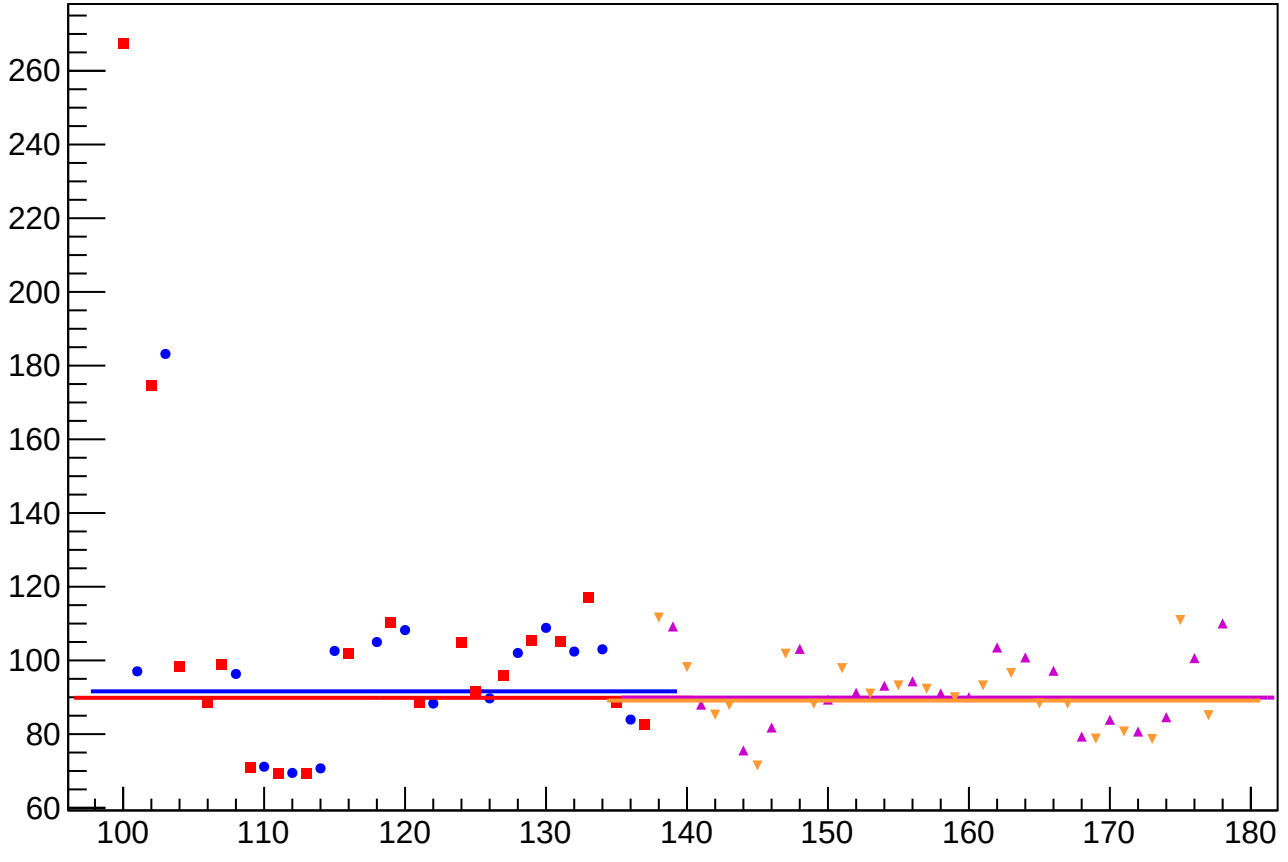
Right: -19.470+/-24.518 χ^2/NDF: 42.3/34

In: 30.134+/-18.942 χ^2/NDF:54.5/35

Out: 64.002+/-18.543 χ^2/NDF:48.3/39

All: 47.428+/-13.251 χ^2/NDF: 104.5/75

reg_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 89.111+/-0.016 χ^2/NDF:373389.1/20

Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 89.912+/-0.016 χ^2/NDF:347735.8/19

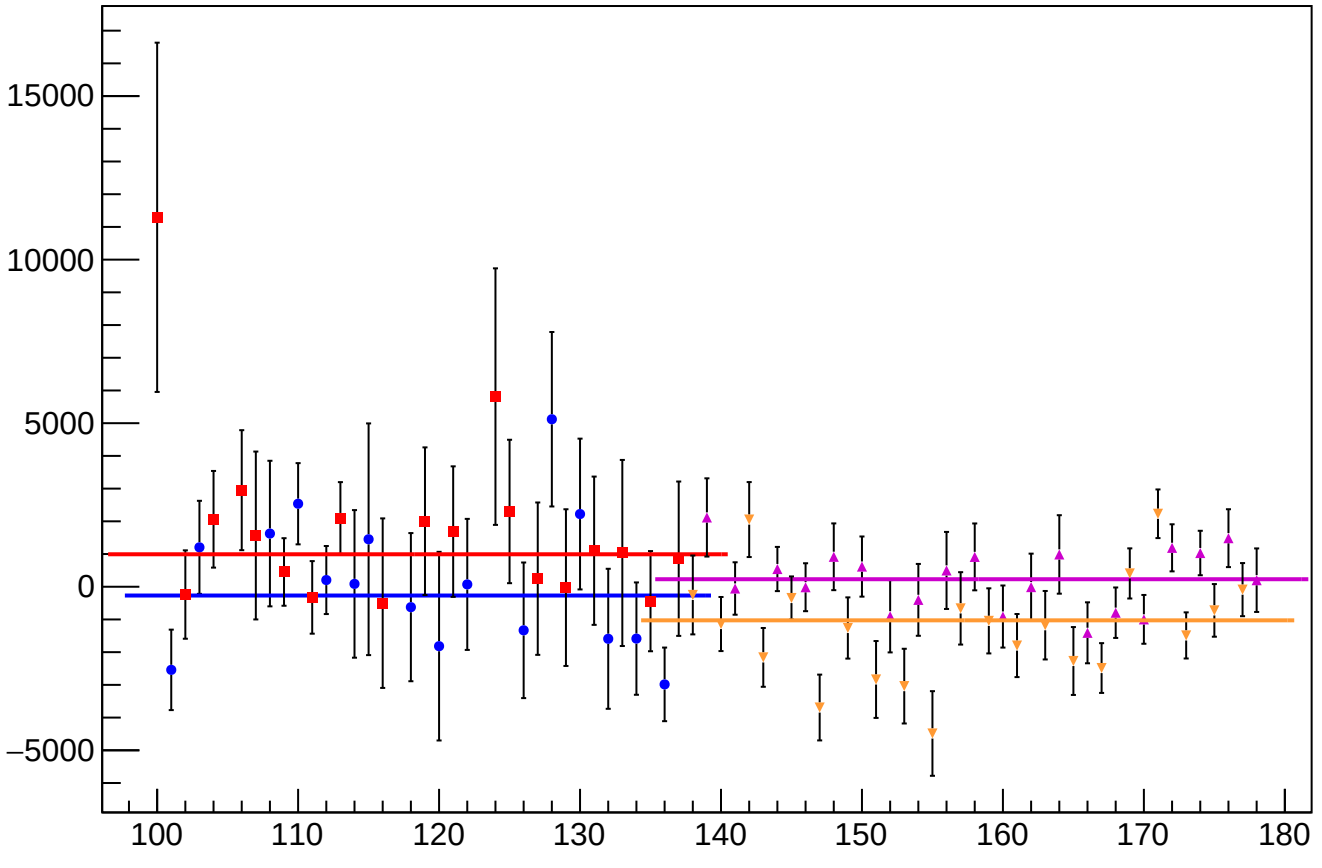
Left: 89.504+/-0.011 χ^2/NDF: 722417.2/40

Right: 90.709+/-0.017 χ^2/NDF: 1329517.7/34

In: 90.405+/-0.013 χ^2/NDF:931715.5/35

Out: 89.329+/-0.013 χ^2/NDF:1120344.0/39

All: 89.856+/-0.009 χ^2/NDF: 2055355.9/75



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: 229.880+/-197.622 χ^2/NDF:20.1/19

Left: -399.937+/-139.587 χ^2/NDF: 100.9/40

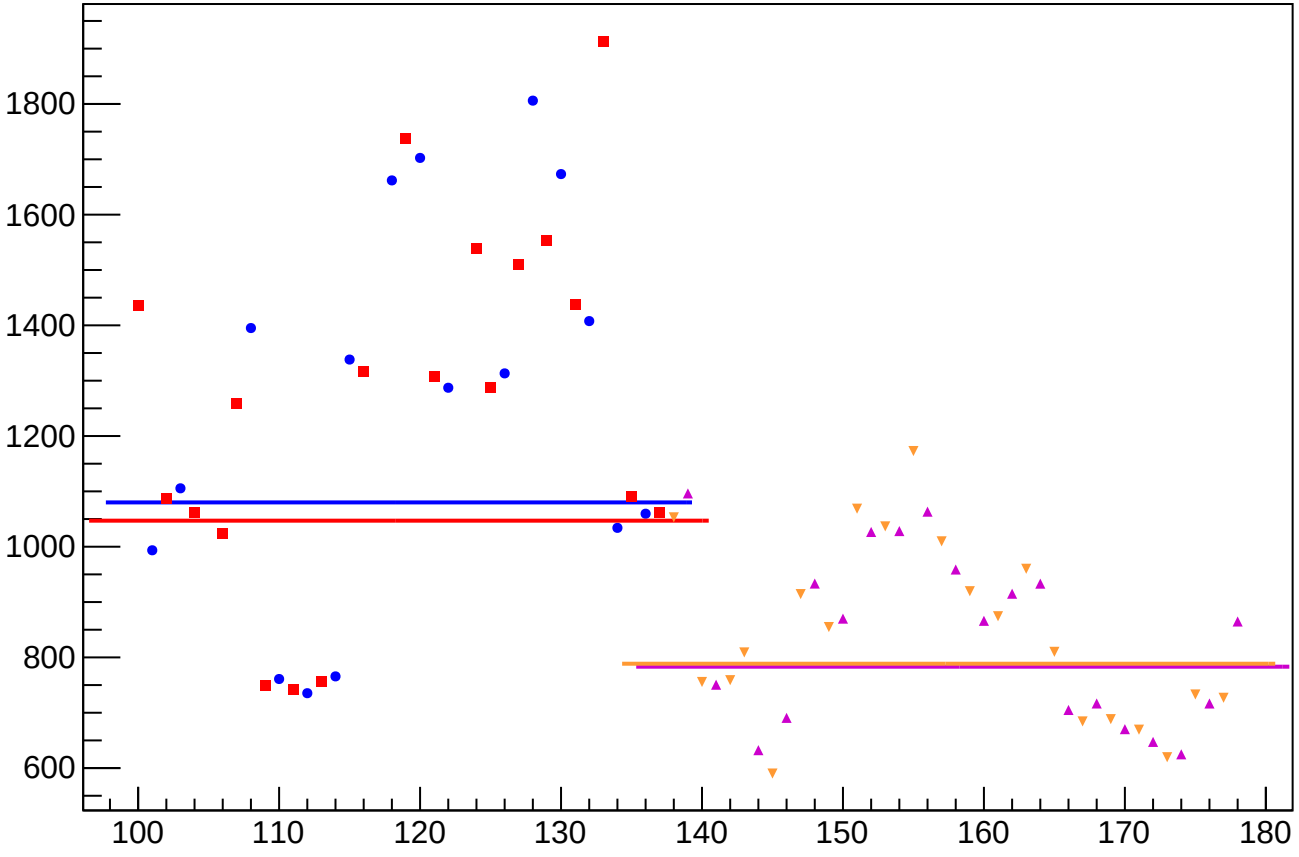
Right: 390.906+/-289.829 χ^2/NDF: 40.8/34

In: 139.394+/-178.784 χ^2/NDF:44.7/35

Out: -633.440+/-176.937 χ^2/NDF:93.6/39

All: -251.035+/-125.761 χ^2/NDF: 147.7/75

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: 783.206+/-0.140 χ^2/NDF:1061732.9/19

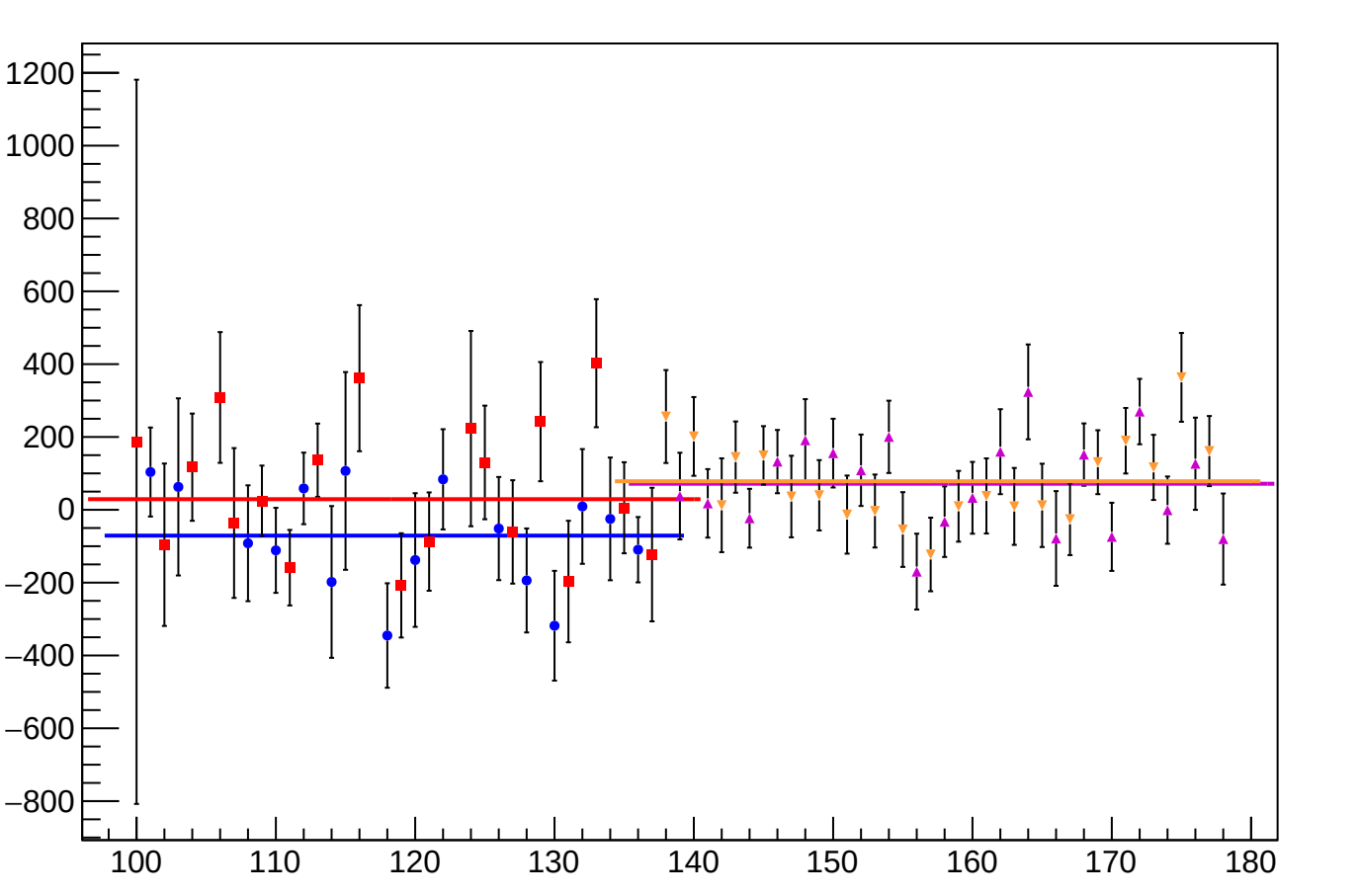
Left: 785.897+/-0.099 χ^2/NDF: 2214852.9/40

Right: 1062.803+/-0.205 χ^2/NDF: 2258574.4/34

In: 837.101+/-0.126 χ^2/NDF:2934481.4/35

Out: 838.947+/-0.125 χ^2/NDF:3020726.9/39

All: 838.034+/-0.089 χ^2/NDF: 5955316.0/75



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: 71.571+/-22.493 χ^2/NDF:28.8/19

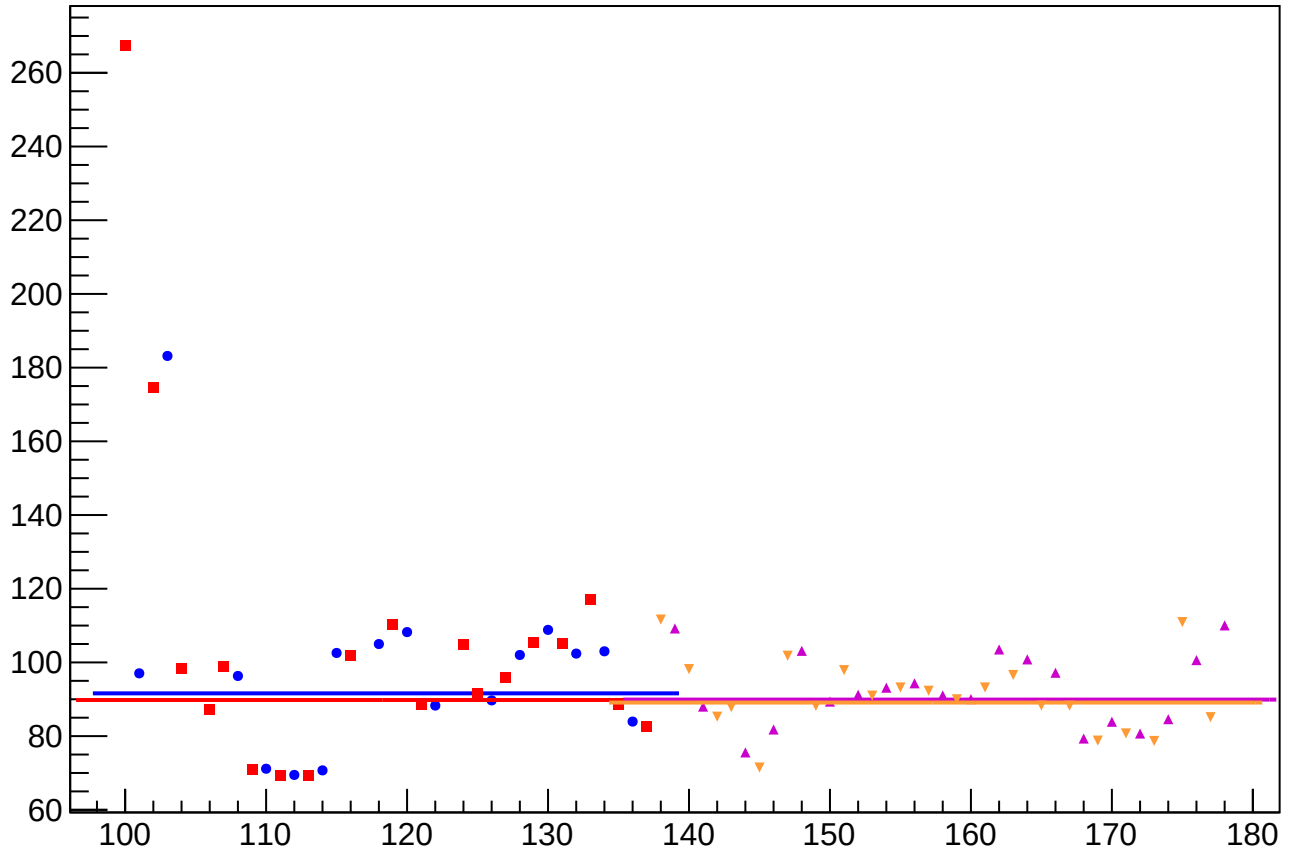
Left: 75.032+/-15.749 χ^2/NDF: 51.7/40

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 30.131+/-18.942 χ^2/NDF:54.5/35

Out: 63.934+/-18.544 χ^2/NDF:48.3/39

All: 47.391+/-13.251 χ^2/NDF: 104.4/75



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: 89.912+/-0.016 χ^2/NDF:347735.8/19

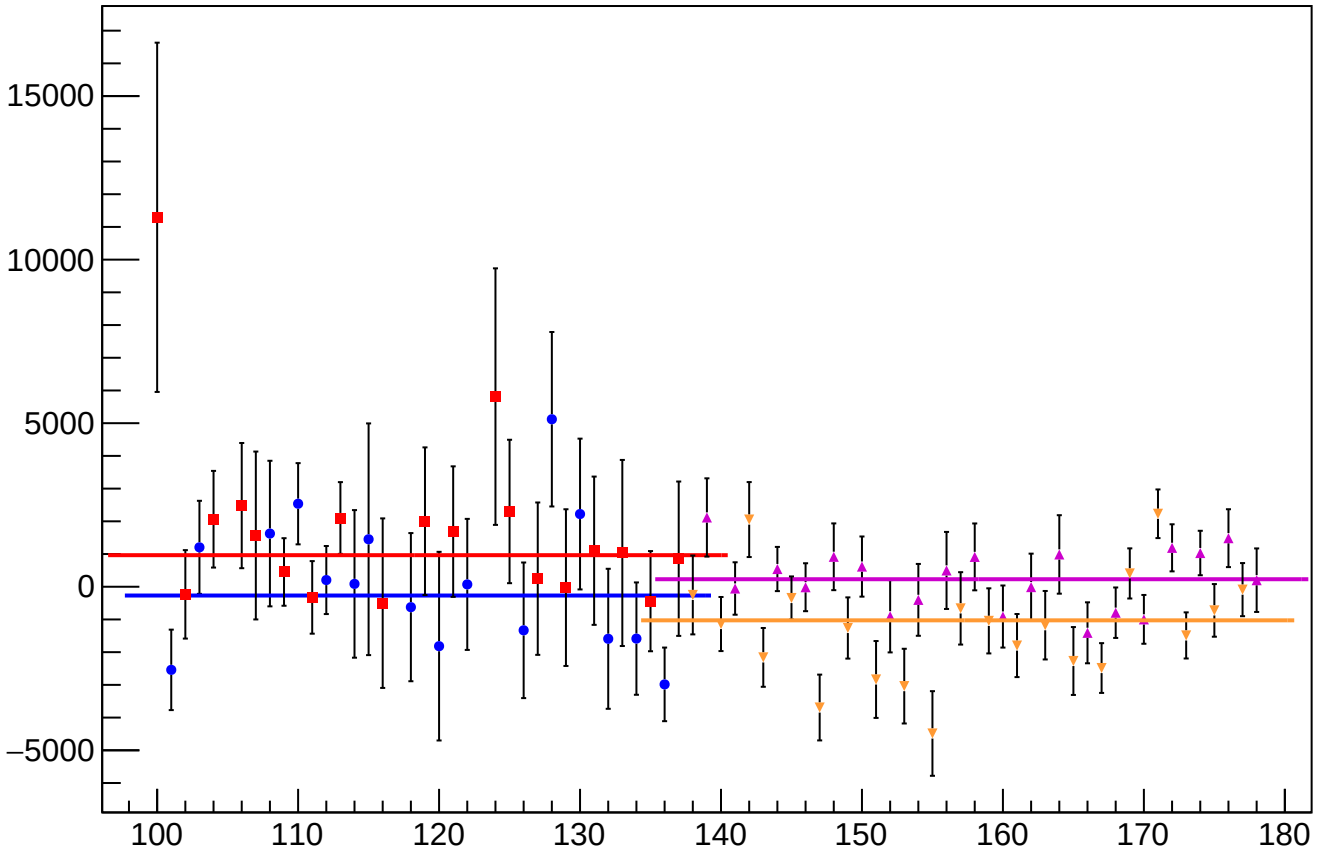
Left: 89.504+/-0.011 χ^2/NDF: 722417.2/40

Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 90.405+/-0.013 χ^2/NDF:931718.6/35

Out: 89.315+/-0.013 χ^2/NDF:1120806.0/39

All: 89.849+/-0.009 χ^2/NDF: 2055906.8/75



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: 229.883+/-197.622 χ^2/NDF:20.1/19

Left: -399.933+/-139.587 χ^2/NDF: 100.9/40

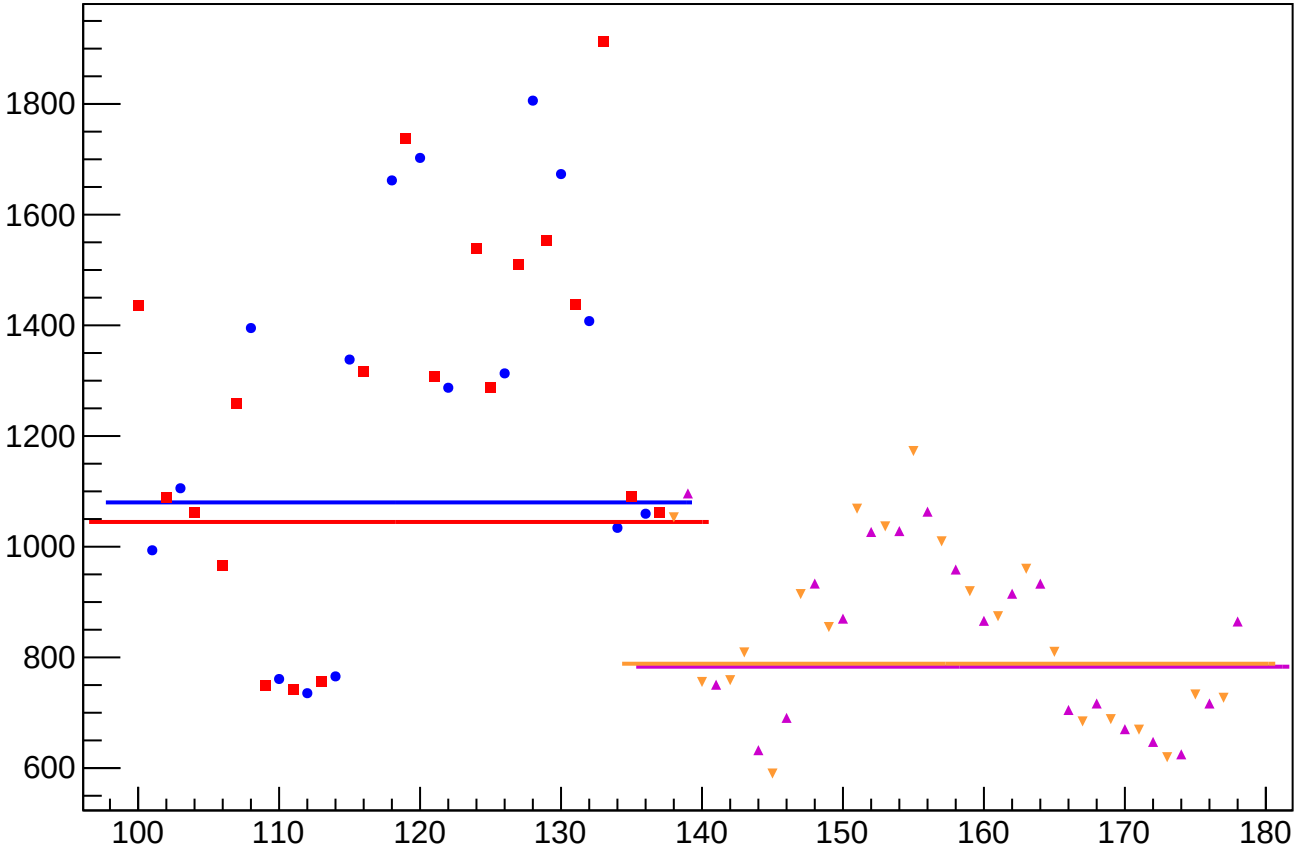
Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 139.394+/-178.784 χ^2/NDF:44.7/35

Out: -640.088+/-177.006 χ^2/NDF:92.4/39

All: -254.242+/-125.786 χ^2/NDF: 146.7/75

asym_sam_3748_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 788.577+/-0.139 χ^2/NDF:1152382.0/20

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 783.206+/-0.140 χ^2/NDF:1061732.7/19

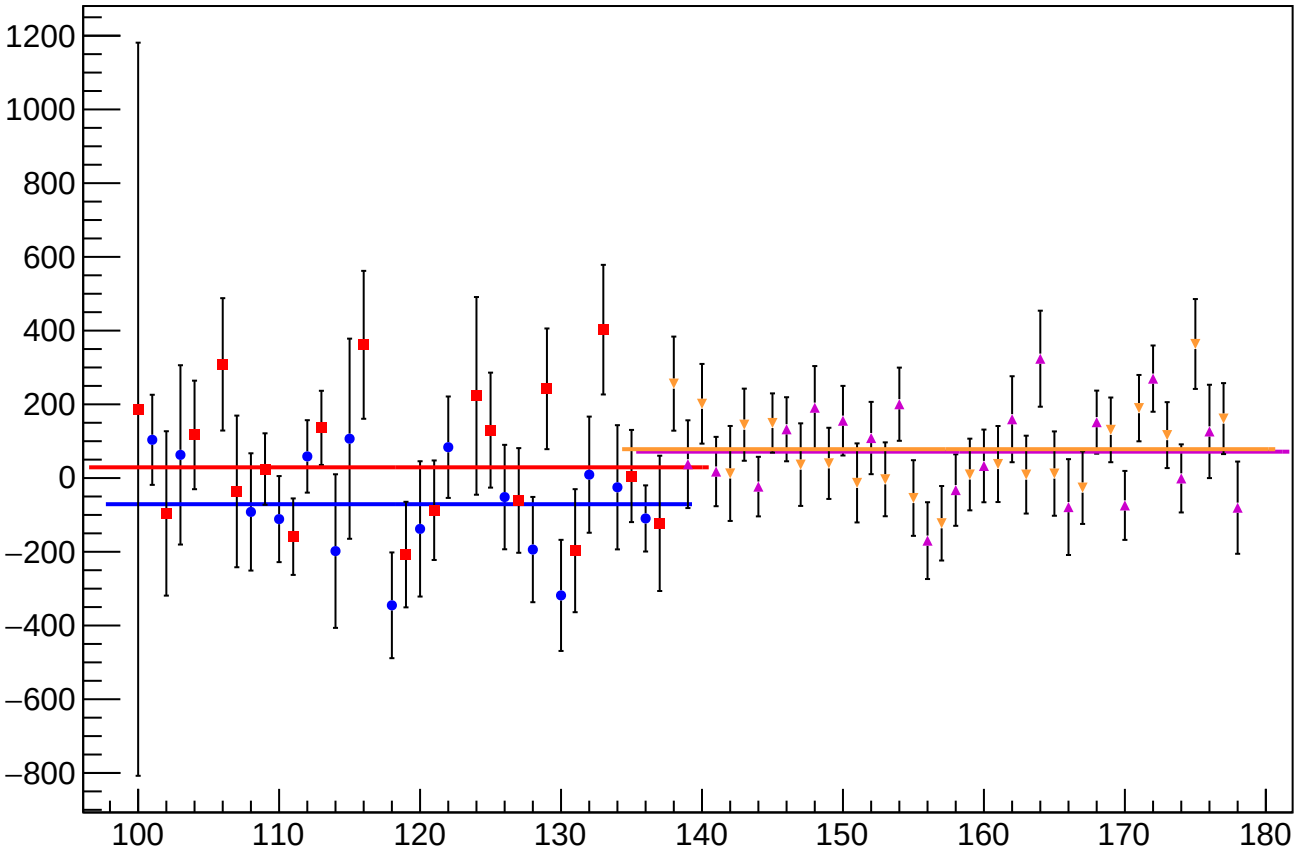
Left: 785.897+/-0.099 χ^2/NDF: 2214855.0/40

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 837.102+/-0.126 χ^2/NDF:2934523.3/35

Out: 838.327+/-0.125 χ^2/NDF:3009652.5/39

All: 837.721+/-0.089 χ^2/NDF: 5944223.2/75



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: 71.571+/-22.493 χ^2/NDF:28.8/19

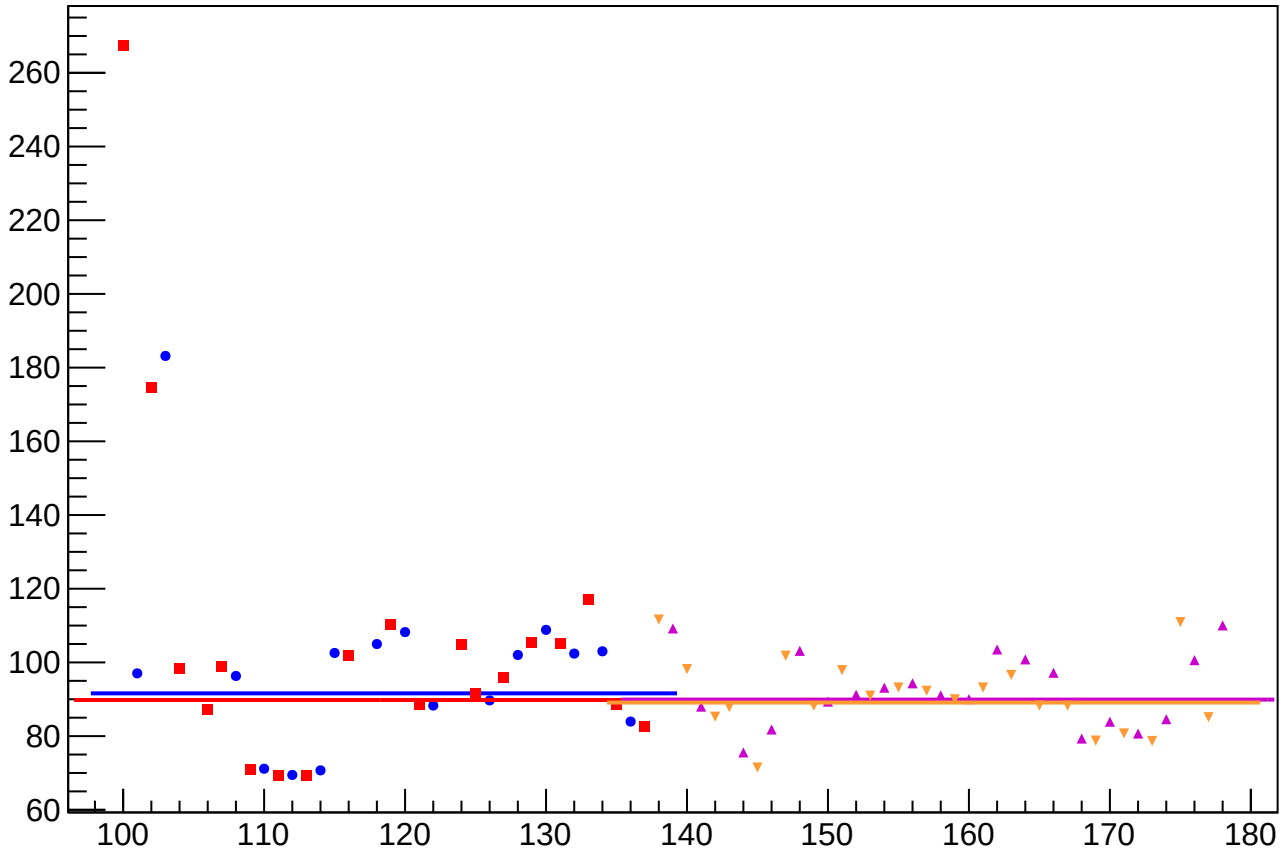
Left: 75.032+/-15.749 χ^2/NDF: 51.7/40

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 30.131+/-18.942 χ^2/NDF:54.5/35

Out: 63.934+/-18.544 χ^2/NDF:48.3/39

All: 47.391+/-13.251 χ^2/NDF: 104.4/75



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: 89.912+/-0.016 χ^2/NDF:347735.8/19

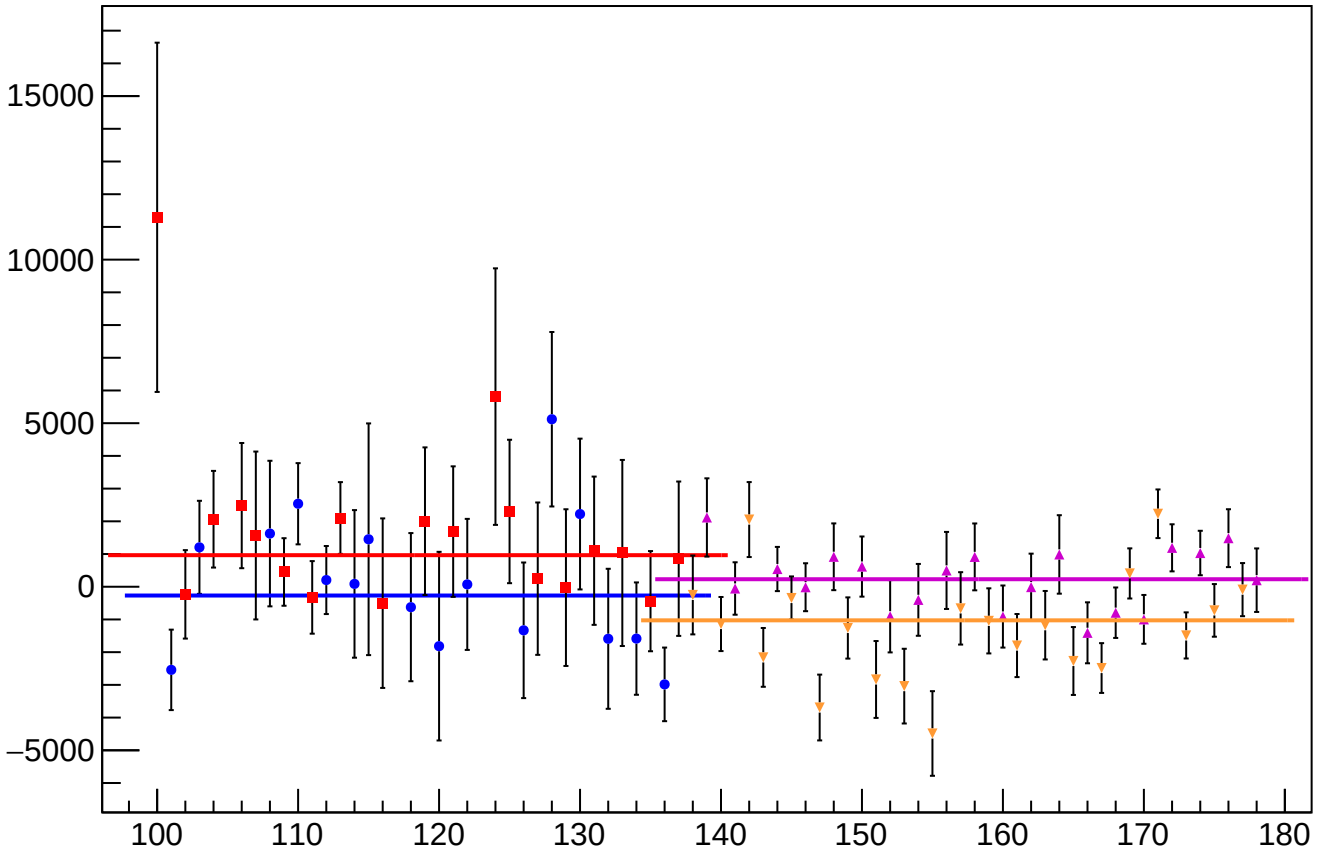
Left: 89.504+/-0.011 χ^2/NDF: 722417.2/40

Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 90.405+/-0.013 χ^2/NDF:931718.6/35

Out: 89.315+/-0.013 χ^2/NDF:1120806.0/39

All: 89.849+/-0.009 χ^2/NDF: 2055906.8/75



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: 229.883+/-197.622 χ^2/NDF:20.1/19

Left: -399.933+/-139.587 χ^2/NDF: 100.9/40

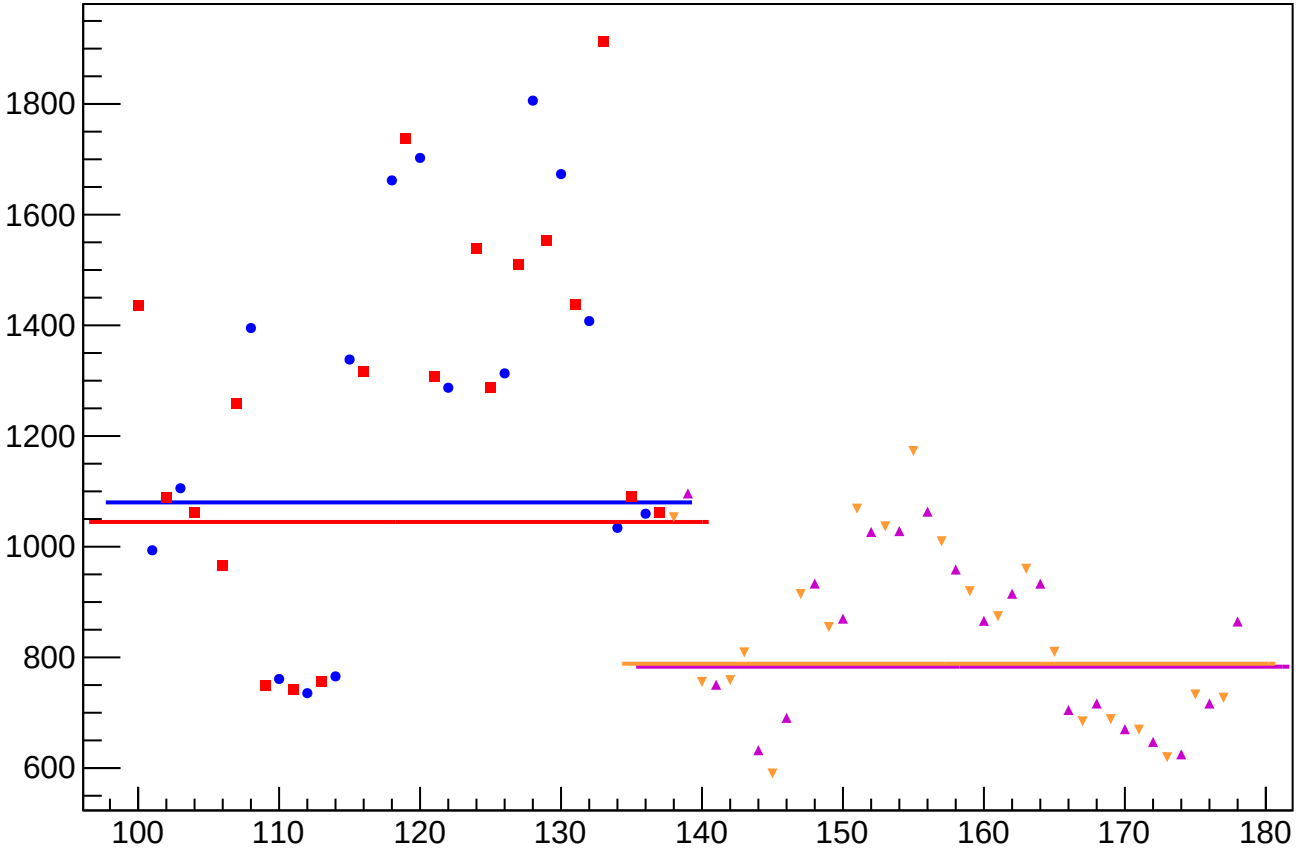
Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 139.394+/-178.784 χ^2/NDF:44.7/35

Out: -640.088+/-177.006 χ^2/NDF:92.4/39

All: -254.242+/-125.786 χ^2/NDF: 146.7/75

asym_sam_3748_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 788.577+/-0.139 χ^2/NDF:1152382.0/20

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 783.206+/-0.140 χ^2/NDF:1061732.7/19

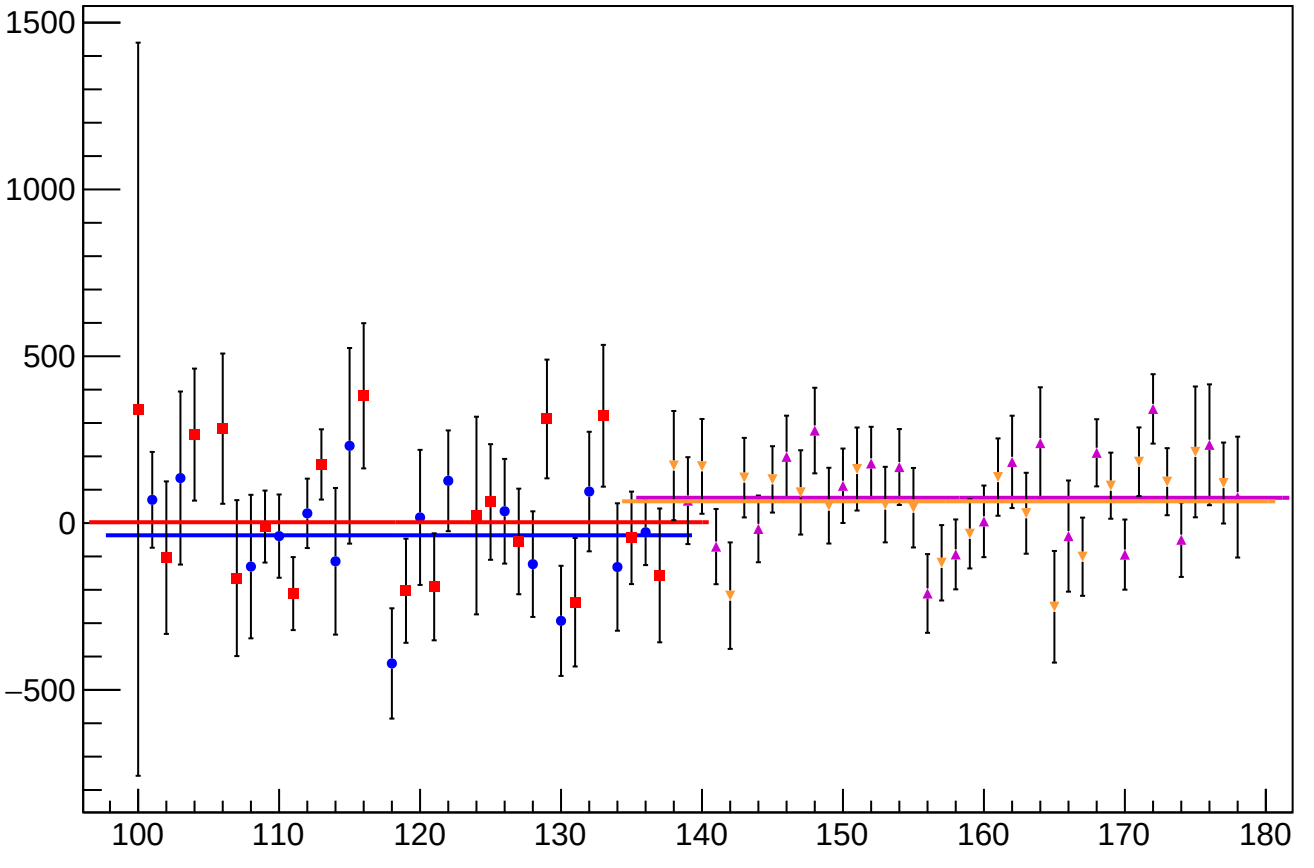
Left: 785.897+/-0.099 χ^2/NDF: 2214855.0/40

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 837.102+/-0.126 χ^2/NDF:2934523.3/35

Out: 838.327+/-0.125 χ^2/NDF:3009652.5/39

All: 837.721+/-0.089 χ^2/NDF: 5944223.2/75



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: 75.806+/-26.714 χ^2/NDF:31.7/19

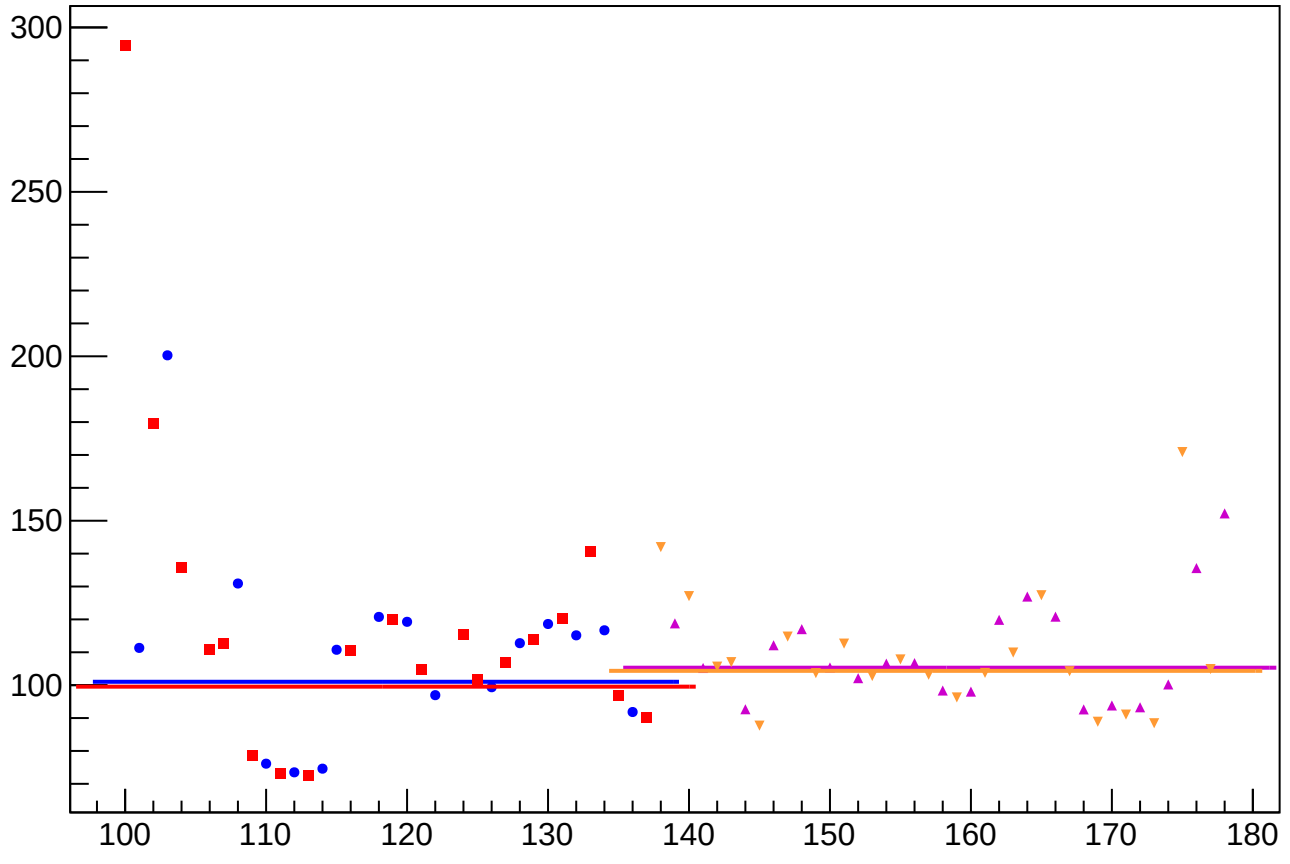
Left: 70.428+/-18.690 χ^2/NDF: 49.6/40

Right: -16.592+/-27.274 χ^2/NDF: 38.1/34

In: 39.900+/-22.038 χ^2/NDF:50.2/35

Out: 45.232+/-21.576 χ^2/NDF:44.4/39

All: 42.622+/-15.417 χ^2/NDF: 94.7/75



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: 105.309+/-0.019 χ^2/NDF:445993.2/19

Left: 104.822+/-0.013 χ^2/NDF: 1103048.7/40

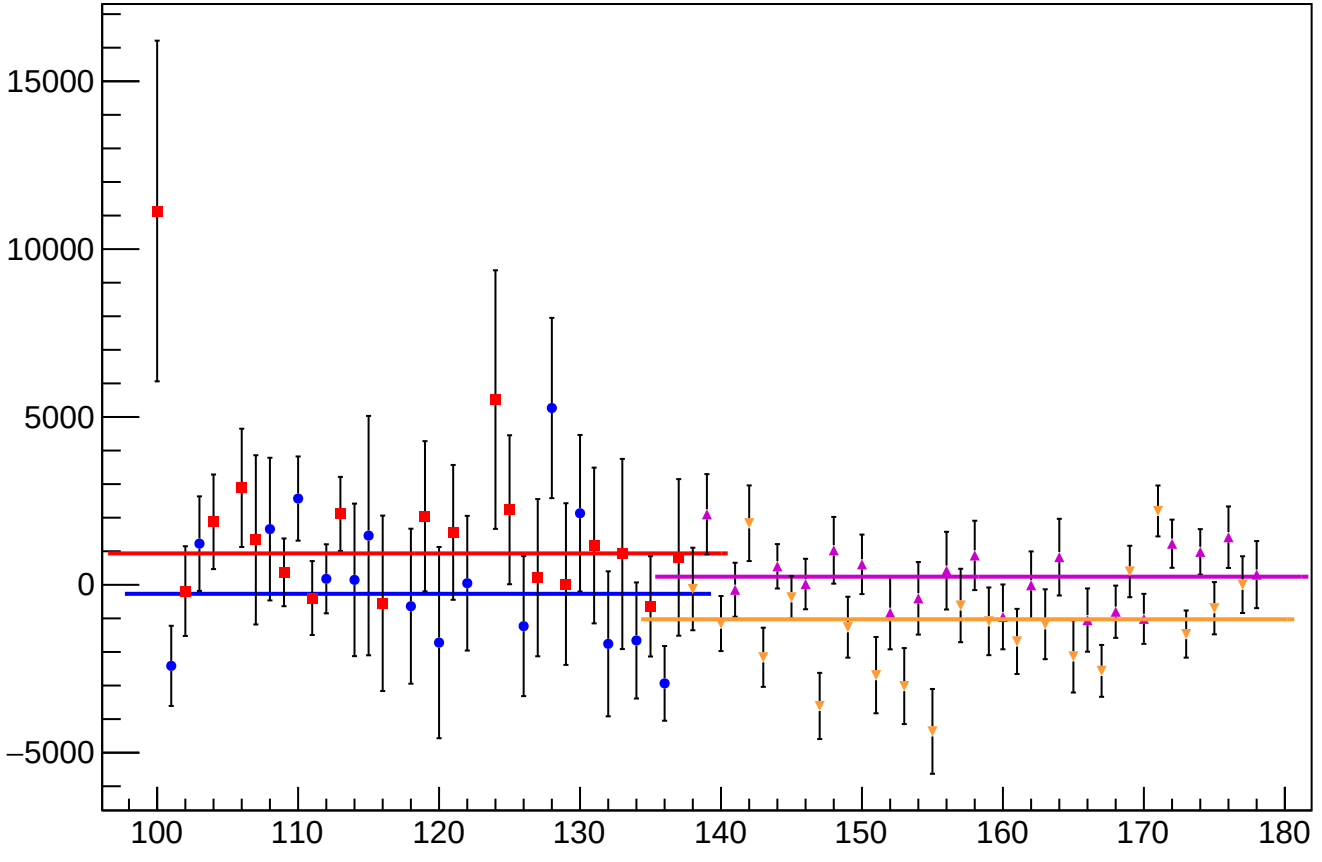
Right: 100.273+/-0.019 χ^2/NDF: 1598073.3/34

In: 103.942+/-0.016 χ^2/NDF:1178473.6/35

Out: 102.819+/-0.015 χ^2/NDF:1557851.3/39

All: 103.369+/-0.011 χ^2/NDF: 2738980.7/75

asym_sam_3748_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1026.112+/-196.114 χ^2/NDF:58.1/20

Right Out: 936.734+/-396.234 χ^2/NDF: 13.1/18

Left In: 242.845+/-197.315 χ^2/NDF:18.6/19

Left: -395.505+/-139.096 χ^2/NDF: 97.5/40

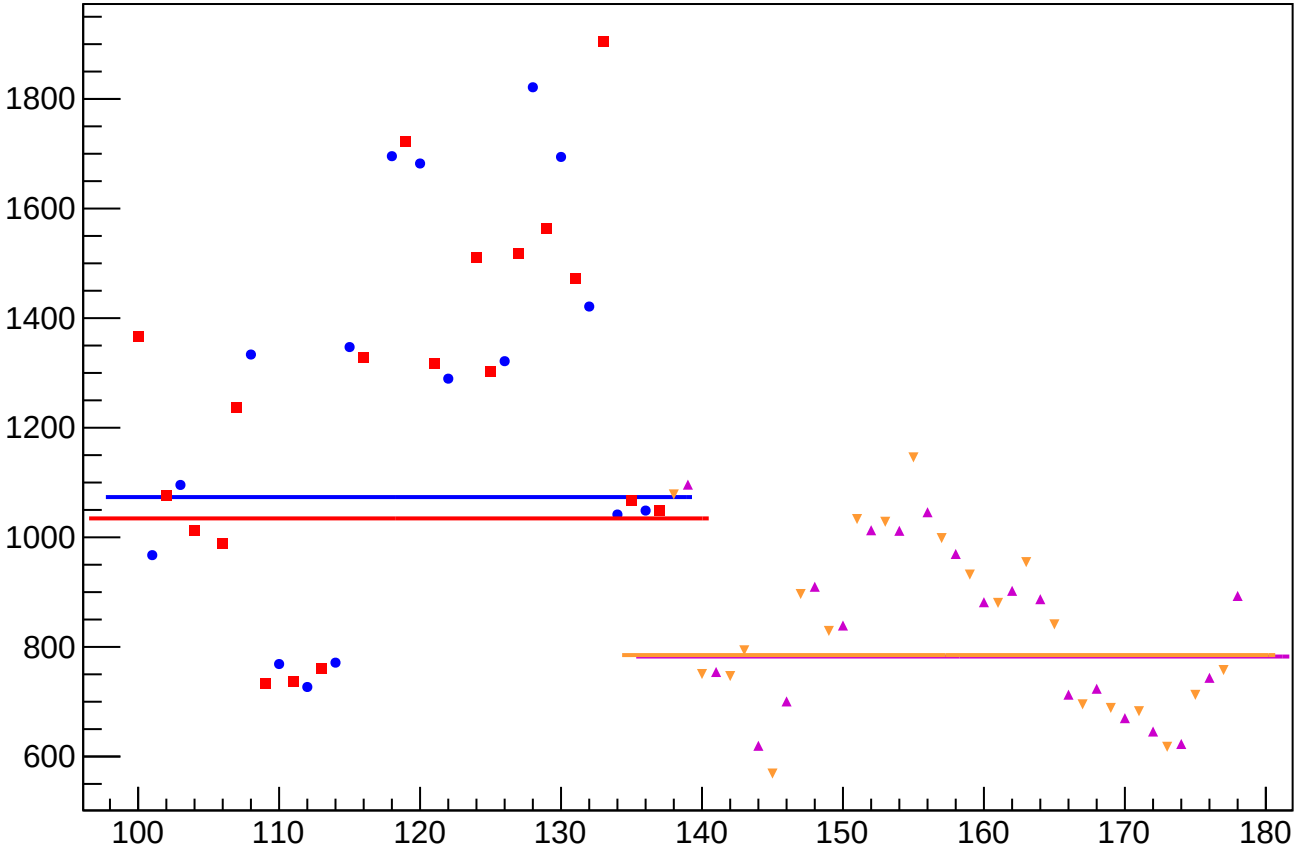
Right: 365.251+/-287.261 χ^2/NDF: 41.0/34

In: 149.436+/-178.361 χ^2/NDF:43.3/35

Out: -639.886+/-175.764 χ^2/NDF:91.0/39

All: -251.012+/-125.192 χ^2/NDF: 144.2/75

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: 782.444+/-0.140 χ^2/NDF:1020685.5/19

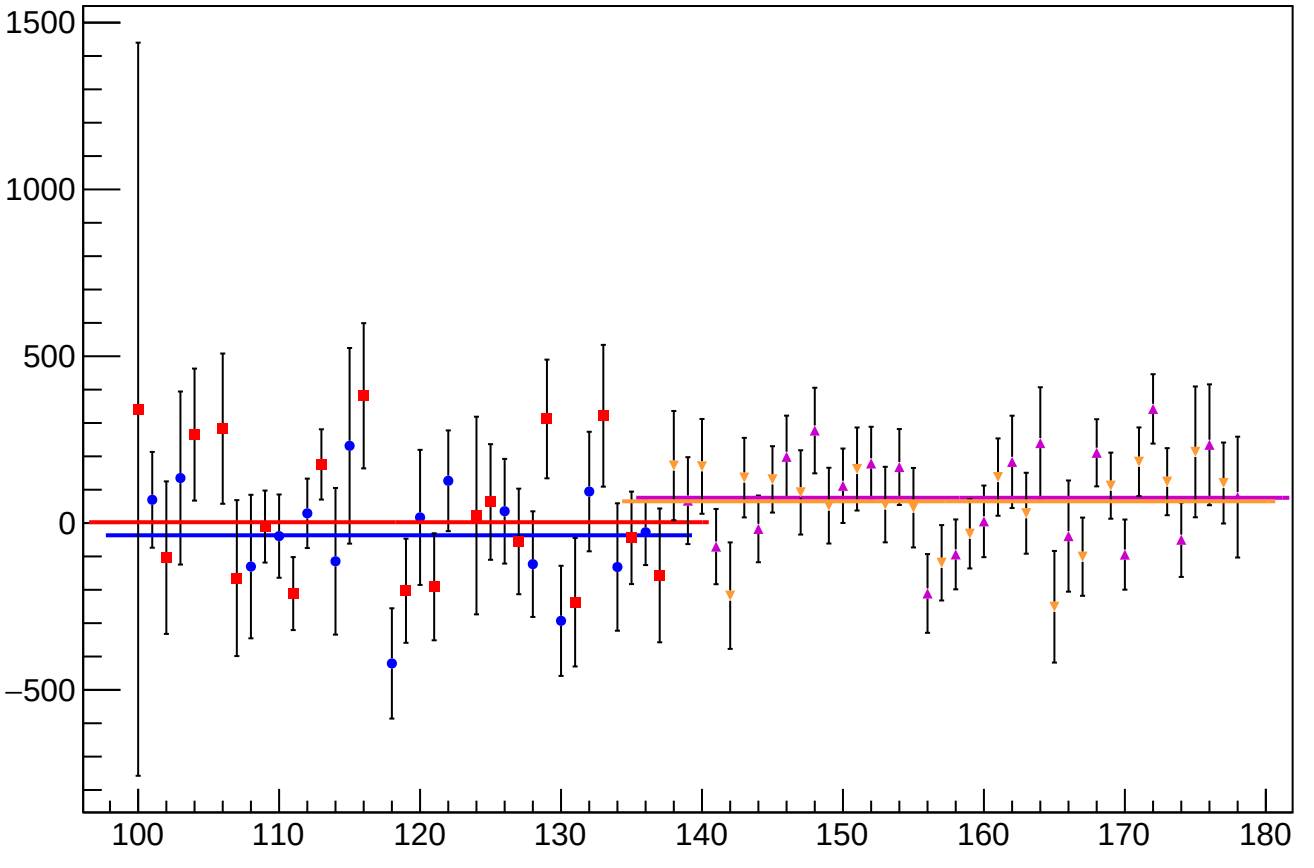
Left: 783.786+/-0.098 χ^2/NDF: 2179033.7/40

Right: 1052.999+/-0.203 χ^2/NDF: 2315554.6/34

In: 835.668+/-0.126 χ^2/NDF:2893405.4/35

Out: 834.190+/-0.124 χ^2/NDF:3024072.2/39

All: 834.918+/-0.089 χ^2/NDF: 5917547.2/75



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 65.273+/-26.157 χ^2/NDF:17.9/20

Right Out: 2.566+/-38.165 χ^2/NDF: 24.7/18

Left In: 75.805+/-26.714 χ^2/NDF:31.7/19

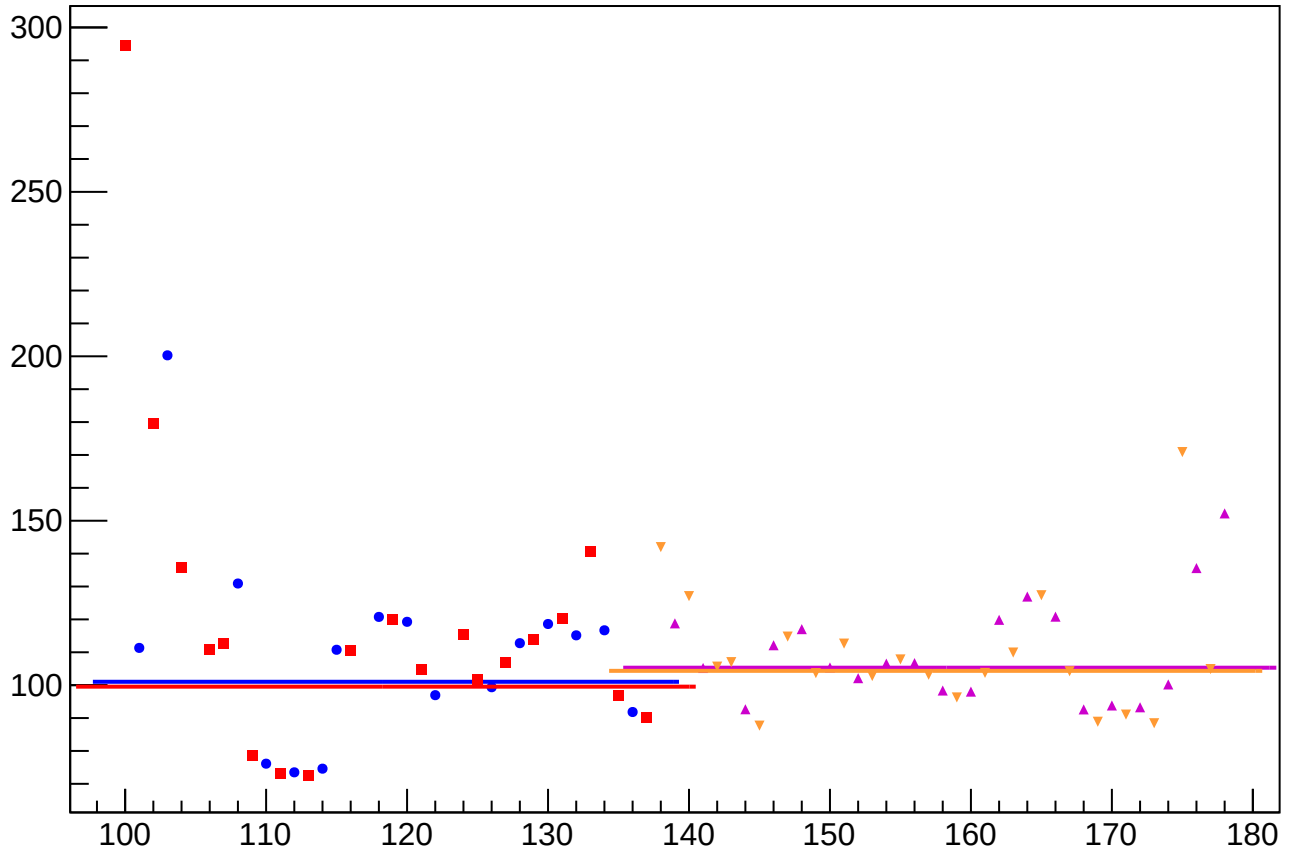
Left: 70.428+/-18.690 χ^2/NDF: 49.6/40

Right: -16.593+/-27.274 χ^2/NDF: 38.1/34

In: 39.899+/-22.038 χ^2/NDF:50.2/35

Out: 45.232+/-21.576 χ^2/NDF:44.4/39

All: 42.622+/-15.417 χ^2/NDF: 94.7/75



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: 105.309+/-0.019 χ^2/NDF:445984.2/19

Left: 104.823+/-0.013 χ^2/NDF: 1103035.4/40

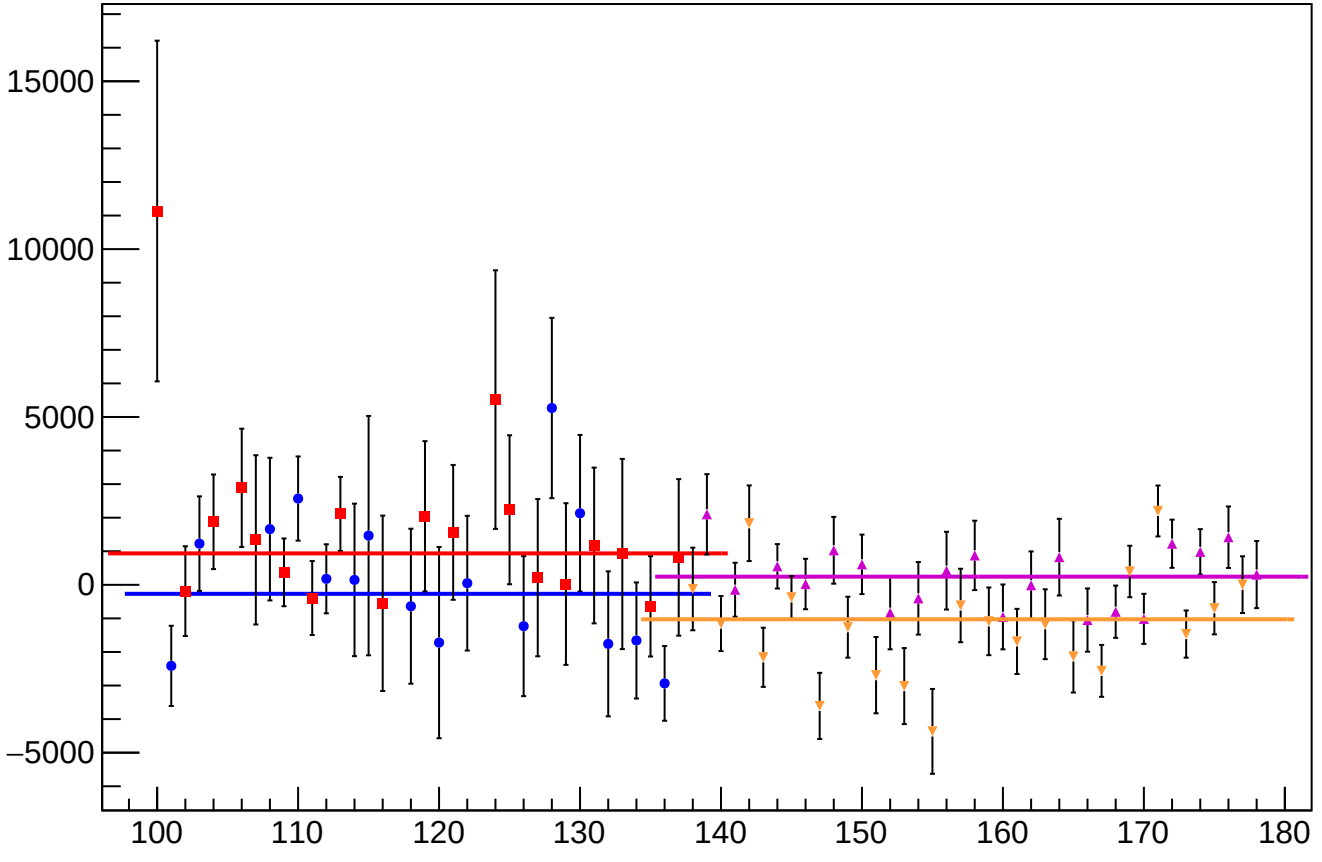
Right: 100.273+/-0.019 χ^2/NDF: 1598074.0/34

In: 103.943+/-0.016 χ^2/NDF:1178464.5/35

Out: 102.819+/-0.015 χ^2/NDF:1557850.6/39

All: 103.369+/-0.011 χ^2/NDF: 2738970.8/75

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: 242.844+/-197.314 χ^2/NDF:18.6/19

Left: -395.505+/-139.096 χ^2/NDF: 97.5/40

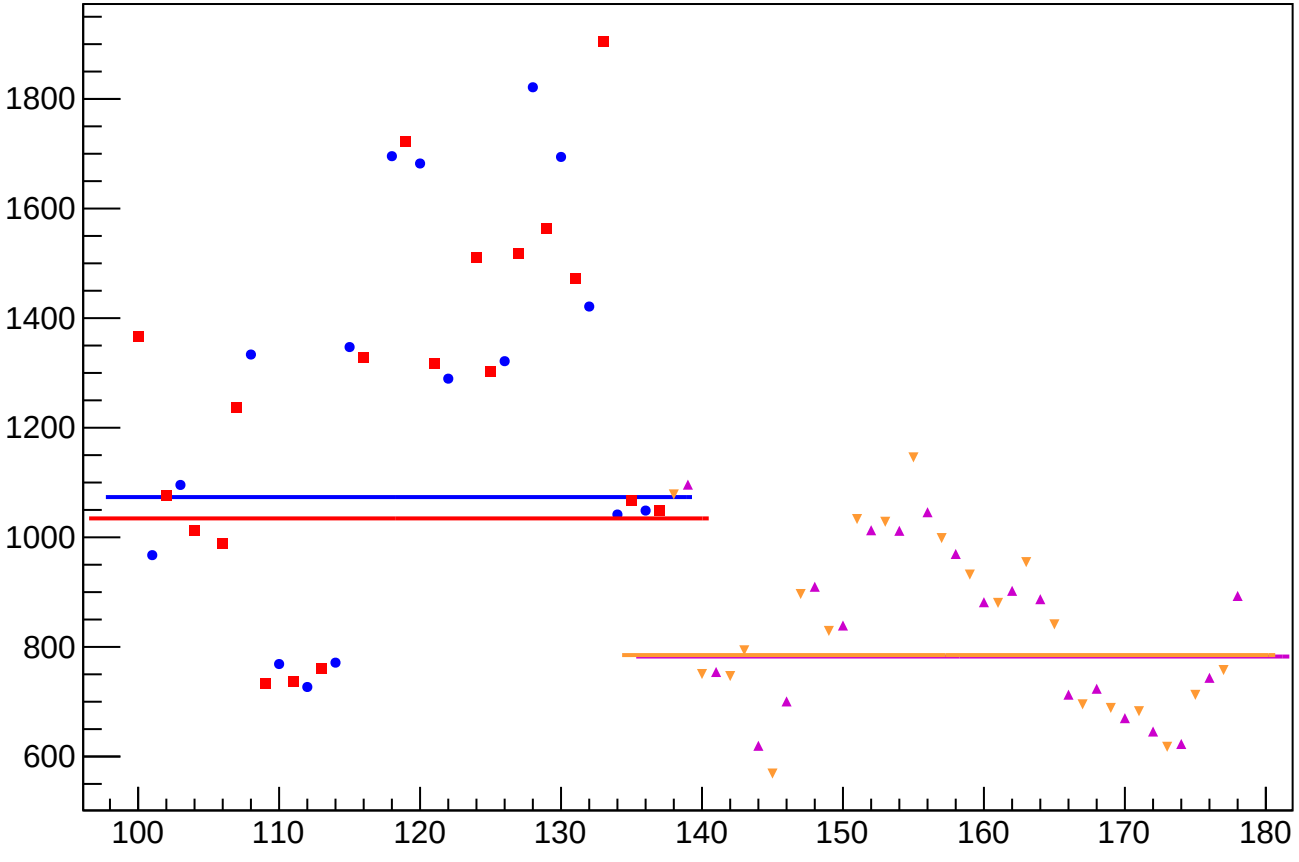
Right: 365.251+/-287.260 χ^2/NDF: 41.0/34

In: 149.435+/-178.360 χ^2/NDF:43.3/35

Out: -639.885+/-175.764 χ^2/NDF:91.0/39

All: -251.012+/-125.192 χ^2/NDF: 144.2/75

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: 782.443+/-0.140 χ^2/NDF:1020686.4/19

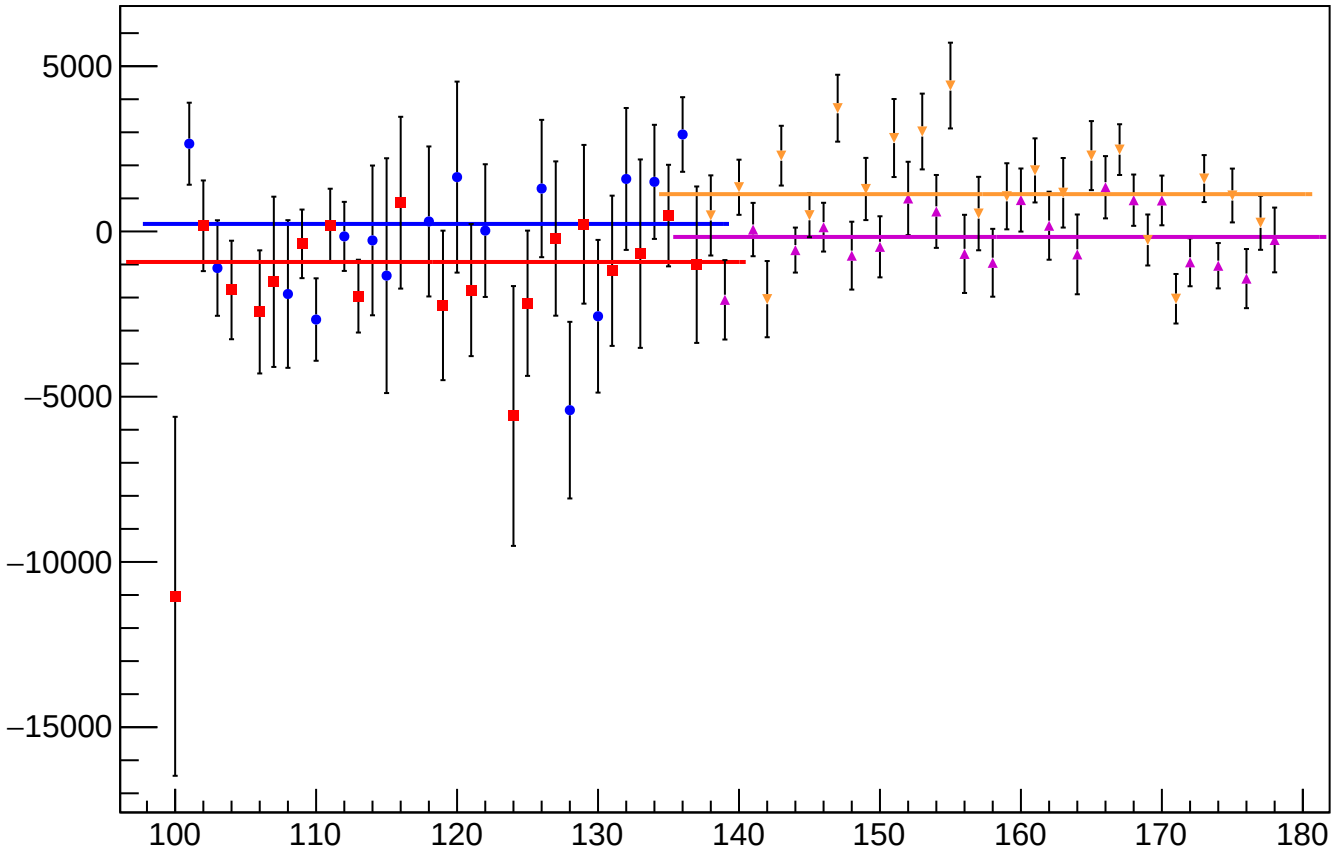
Left: 783.784+/-0.098 χ^2/NDF: 2179038.0/40

Right: 1052.997+/-0.203 χ^2/NDF: 2315562.9/34

In: 835.667+/-0.126 χ^2/NDF:2893411.5/35

Out: 834.189+/-0.124 χ^2/NDF:3024078.5/39

All: 834.917+/-0.089 χ^2/NDF: 5917559.6/75



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: -166.321+/-199.039 χ^2/NDF:19.0/19

Left: 482.780+/-140.571 χ^2/NDF: 96.4/40

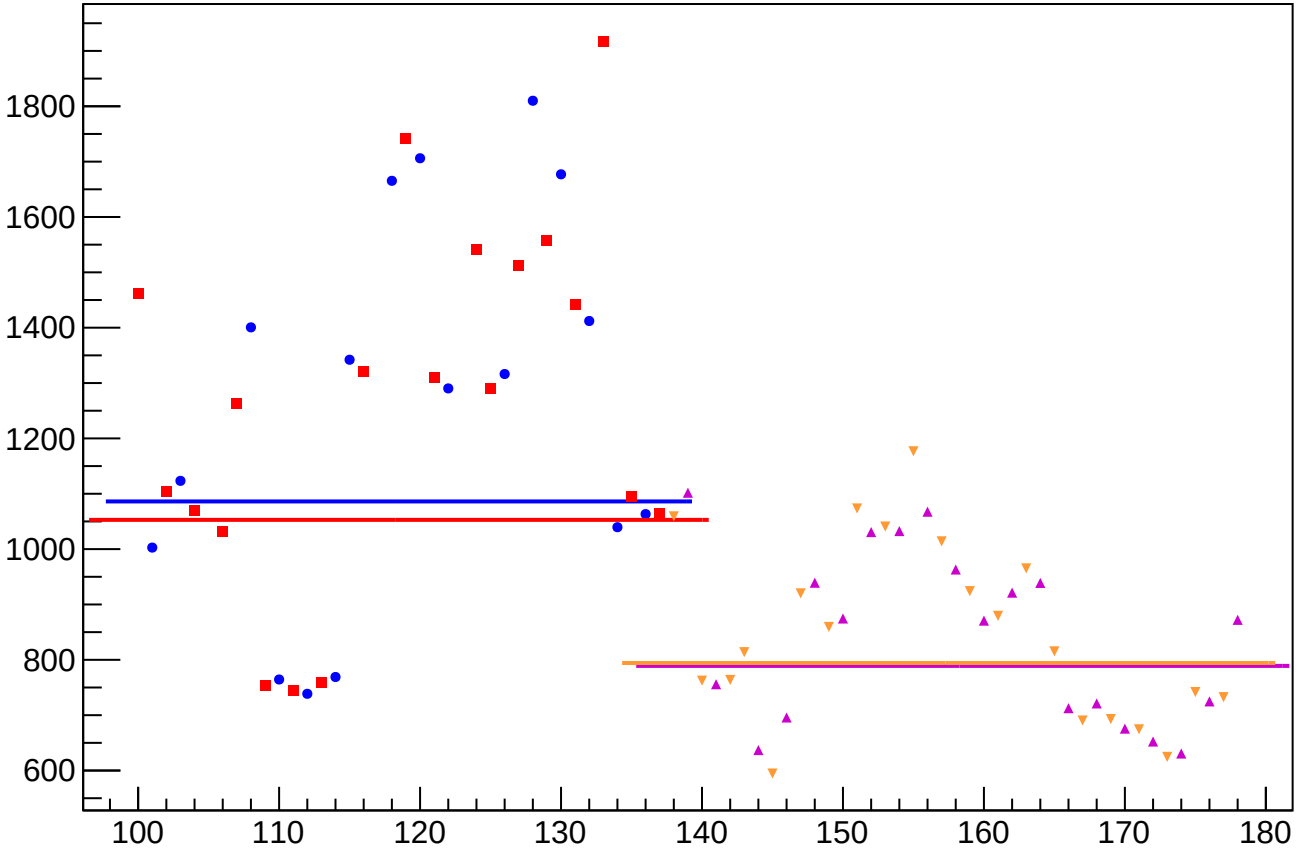
Right: -374.204+/-291.435 χ^2/NDF: 39.5/34

In: -94.609+/-180.007 χ^2/NDF:44.2/35

Out: 728.006+/-178.121 χ^2/NDF:88.2/39

All: 321.031+/-126.612 χ^2/NDF: 142.9/75

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: 789.020+/-0.141 χ^2/NDF:1046146.9/19

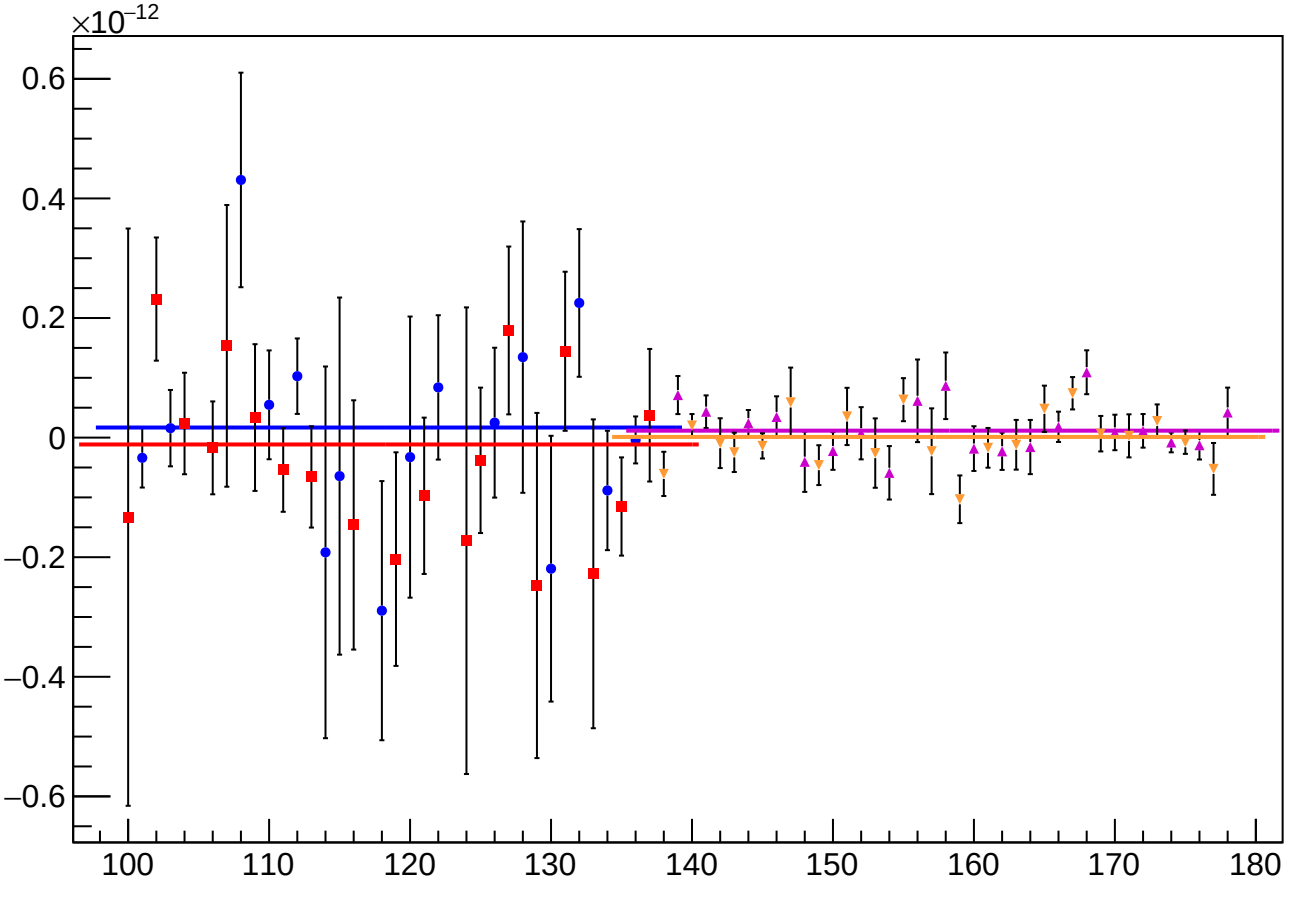
Left: 791.646+/-0.099 χ^2/NDF: 2183232.4/40

Right: 1068.728+/-0.206 χ^2/NDF: 2248417.5/34

In: 843.123+/-0.127 χ^2/NDF:2905147.5/35

Out: 844.746+/-0.126 χ^2/NDF:2993062.4/39

All: 843.943+/-0.090 χ^2/NDF: 5898292.1/75



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:25.0/19

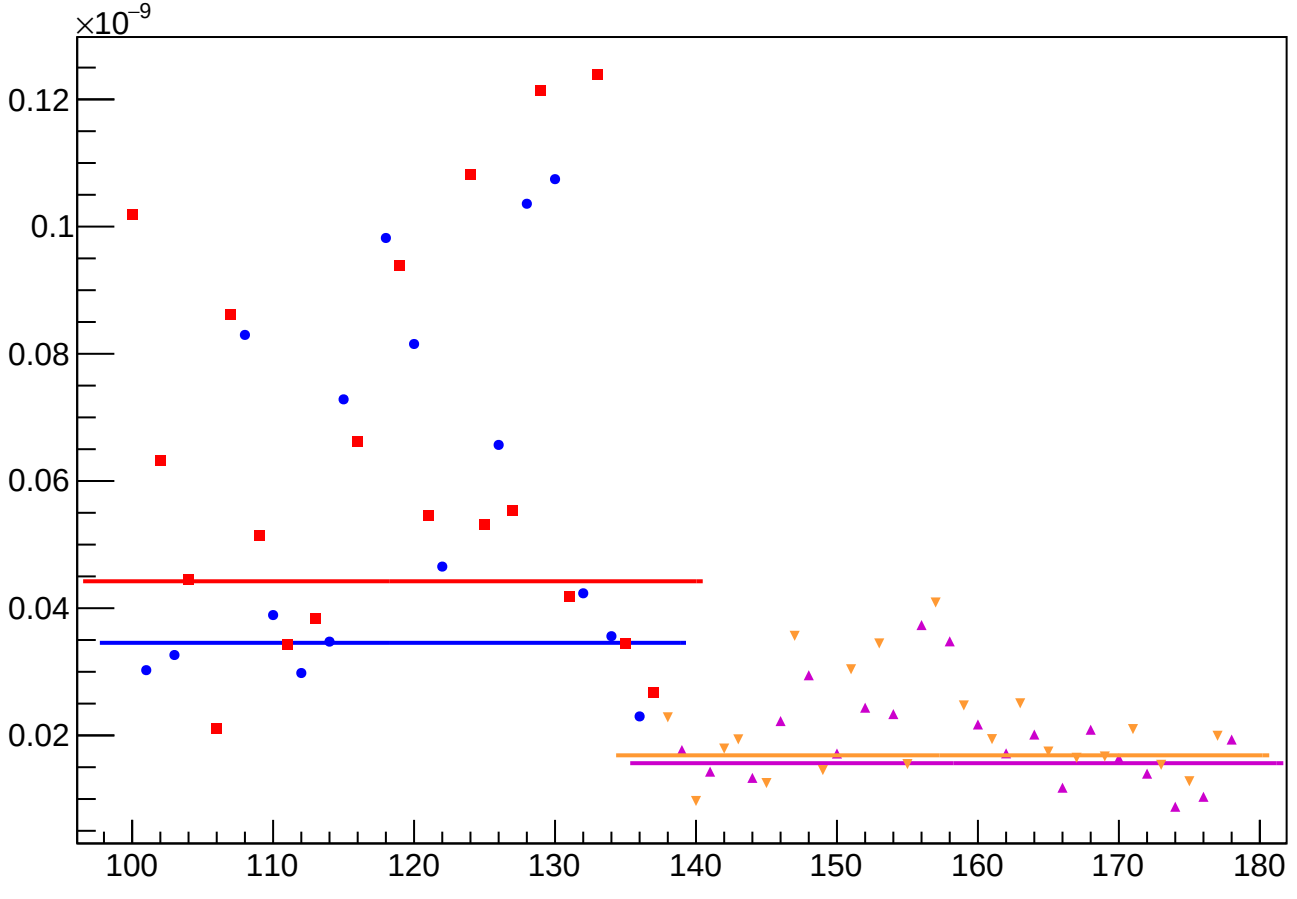
Left: 0.000+/-0.000 χ^2/NDF: 56.6/40

Right: 0.000+/-0.000 χ^2/NDF: 33.4/34

In: 0.000+/-0.000 χ^2/NDF:42.0/35

Out: 0.000+/-0.000 χ^2/NDF:46.5/39

All: 0.000+/-0.000 χ^2/NDF: 90.0/75



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:1466523.9/19

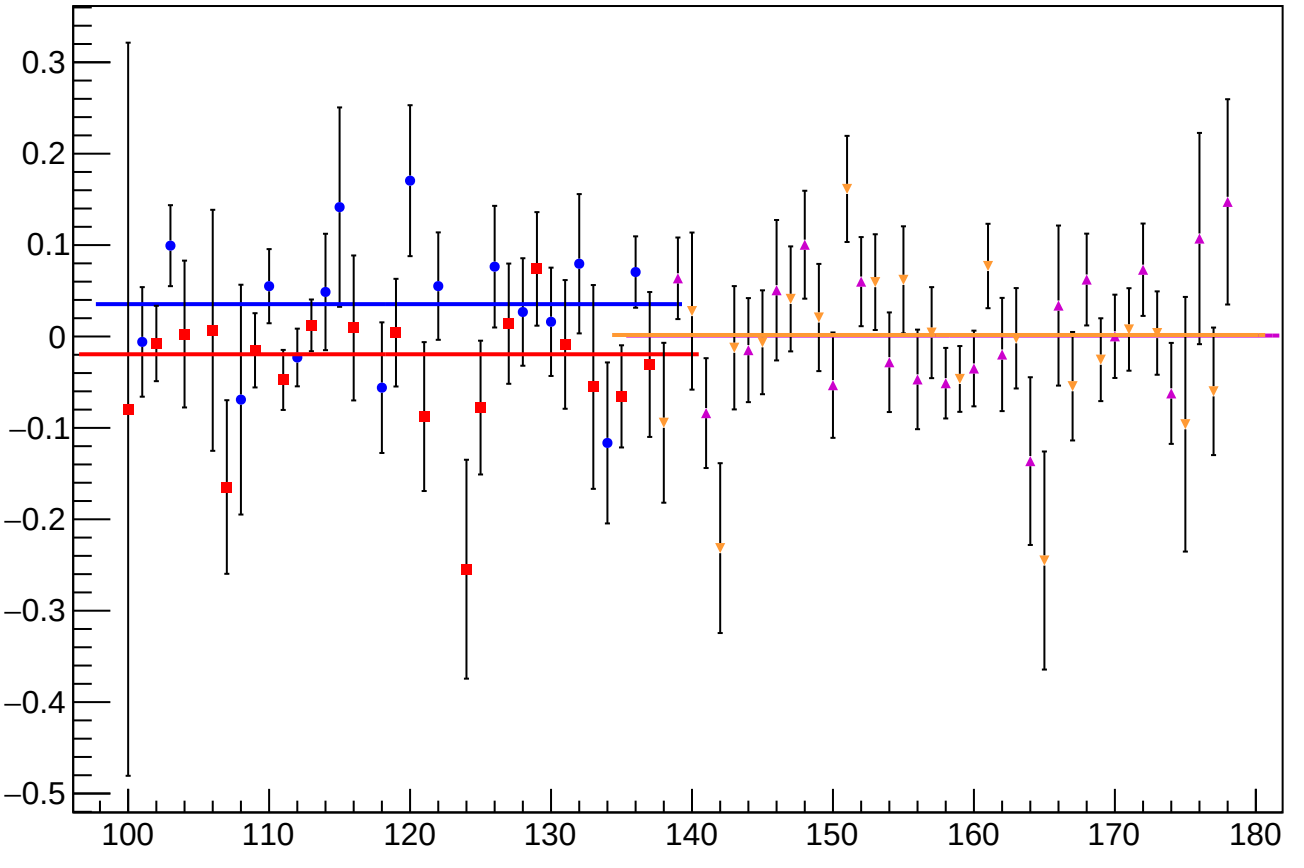
Left: 0.000+/-0.000 χ^2/NDF: 3013974.5/40

Right: 0.000+/-0.000 χ^2/NDF: 2418011.3/34

In: 0.000+/-0.000 χ^2/NDF:4023147.7/35

Out: 0.000+/-0.000 χ^2/NDF:4529022.0/39

All: 0.000+/-0.000 χ^2/NDF: 8586977.4/75



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+/-0.012 χ^2/NDF:23.2/19

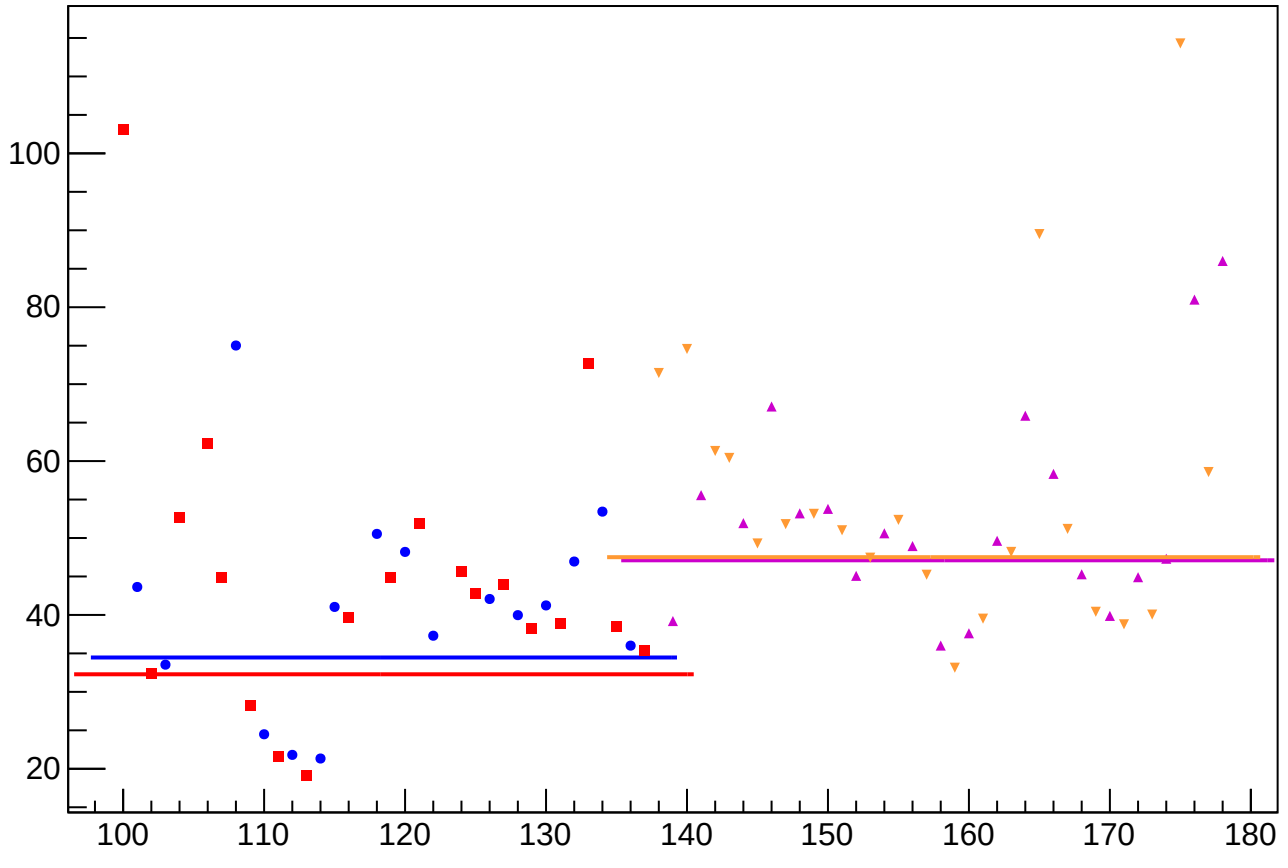
Left: 0.001+/-0.009 χ^2/NDF: 52.5/40

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.016+/-0.009 χ^2/NDF:43.5/35

Out: -0.008+/-0.009 χ^2/NDF:44.1/39

All: 0.004+/-0.006 χ^2/NDF: 91.2/75



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: 47.103+/-0.009 χ^2/NDF:1173570.3/19

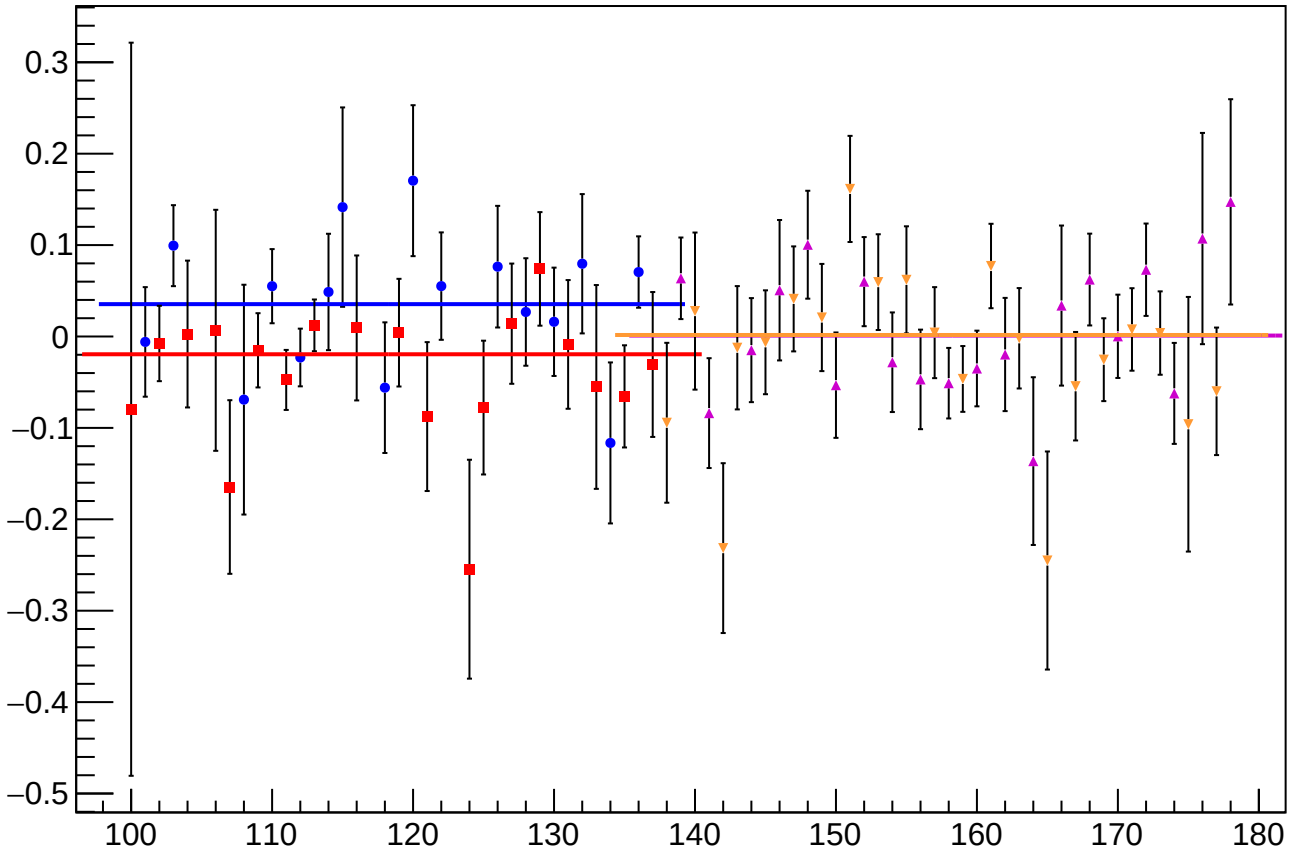
Left: 47.306+/-0.006 χ^2/NDF: 3018950.9/40

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 41.477+/-0.007 χ^2/NDF:3262613.9/35

Out: 40.327+/-0.006 χ^2/NDF:4938718.8/39

All: 40.886+/-0.005 χ^2/NDF: 8217153.1/75



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+/-0.012 χ^2/NDF:23.2/19

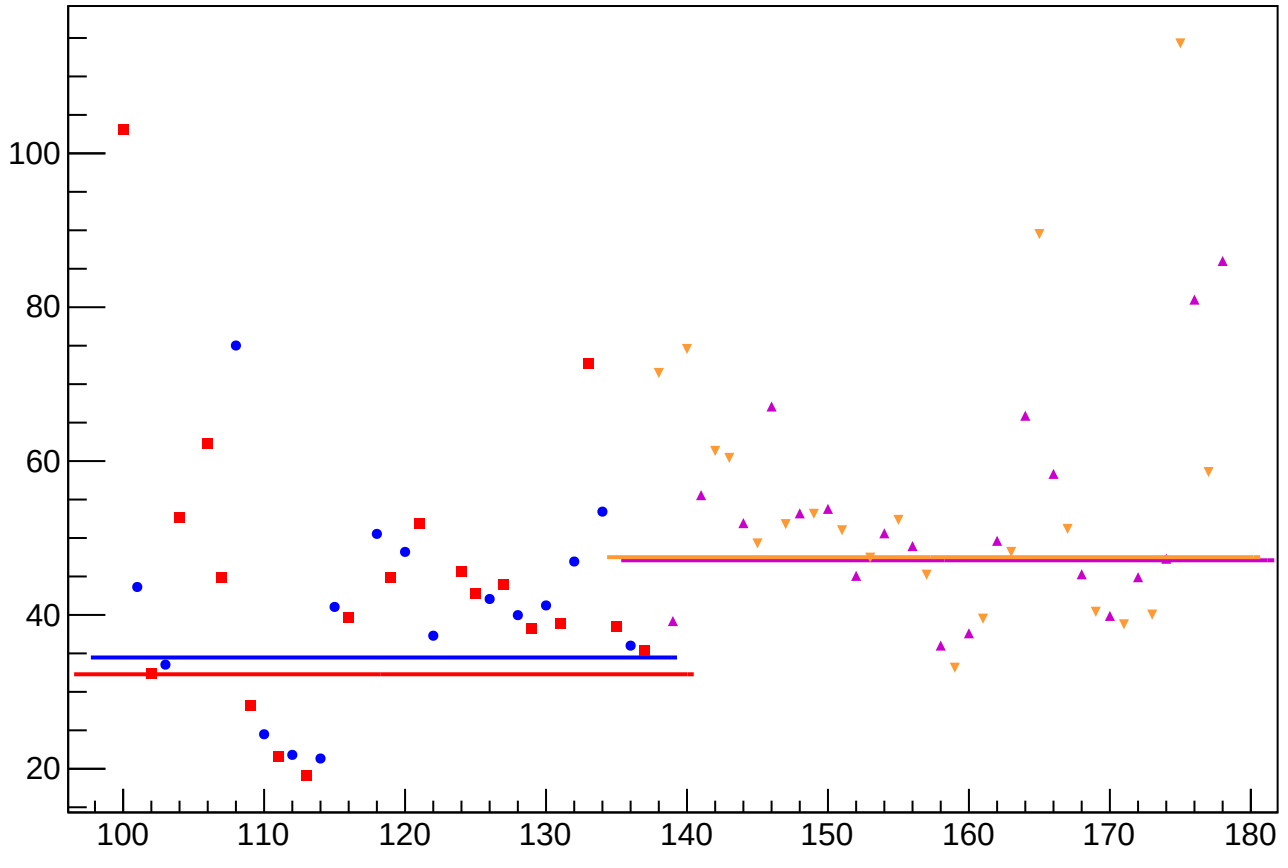
Left: 0.001+/-0.009 χ^2/NDF: 52.5/40

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.016+/-0.009 χ^2/NDF:43.5/35

Out: -0.008+/-0.009 χ^2/NDF:44.1/39

All: 0.004+/-0.006 χ^2/NDF: 91.2/75



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: 47.103+/-0.009 χ^2/NDF:1173570.3/19

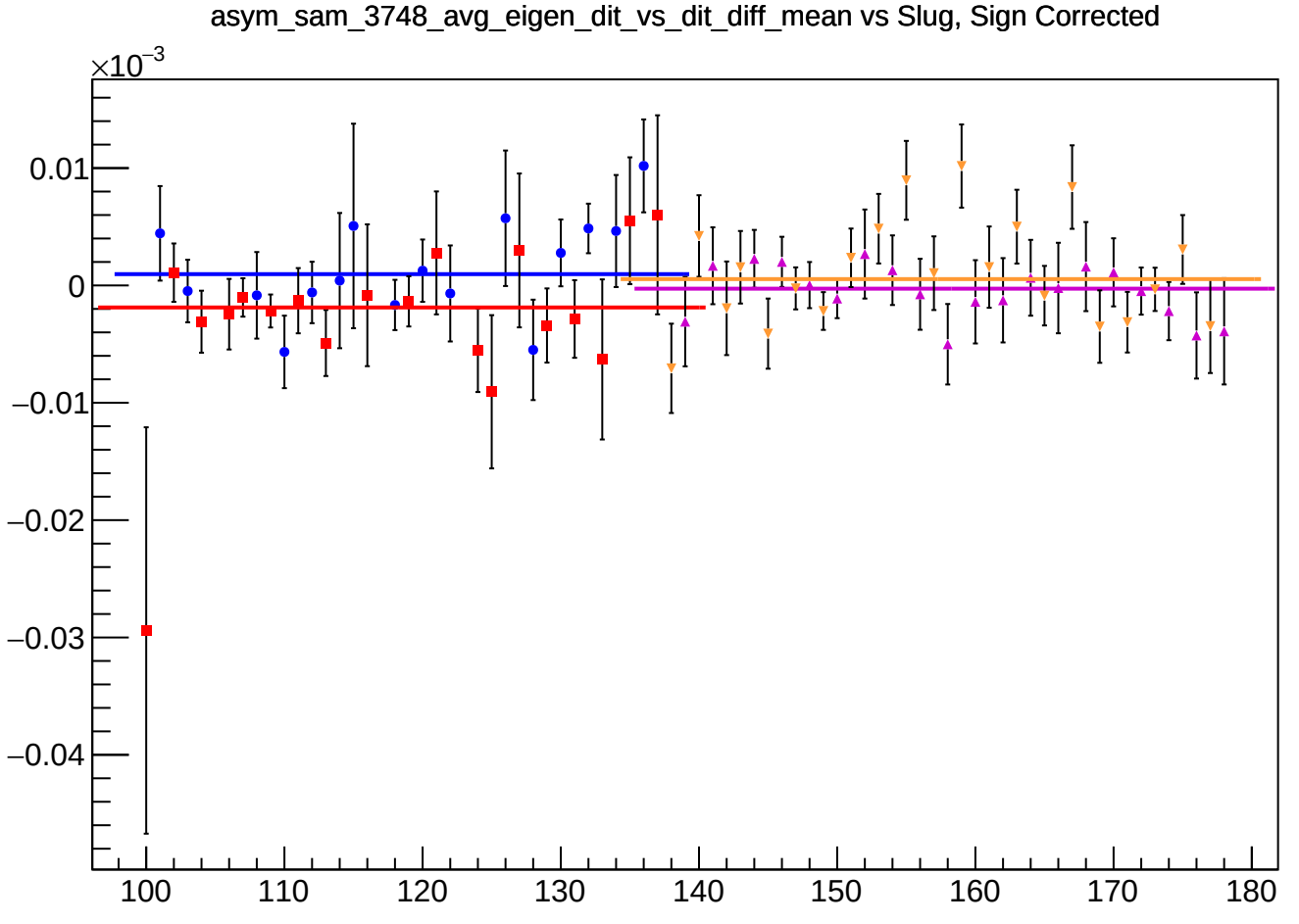
Left: 47.306+/-0.006 χ^2/NDF: 3018950.9/40

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 41.477+/-0.007 χ^2/NDF:3262613.9/35

Out: 40.327+/-0.006 χ^2/NDF:4938718.8/39

All: 40.886+/-0.005 χ^2/NDF: 8217153.1/75



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:9.4/19

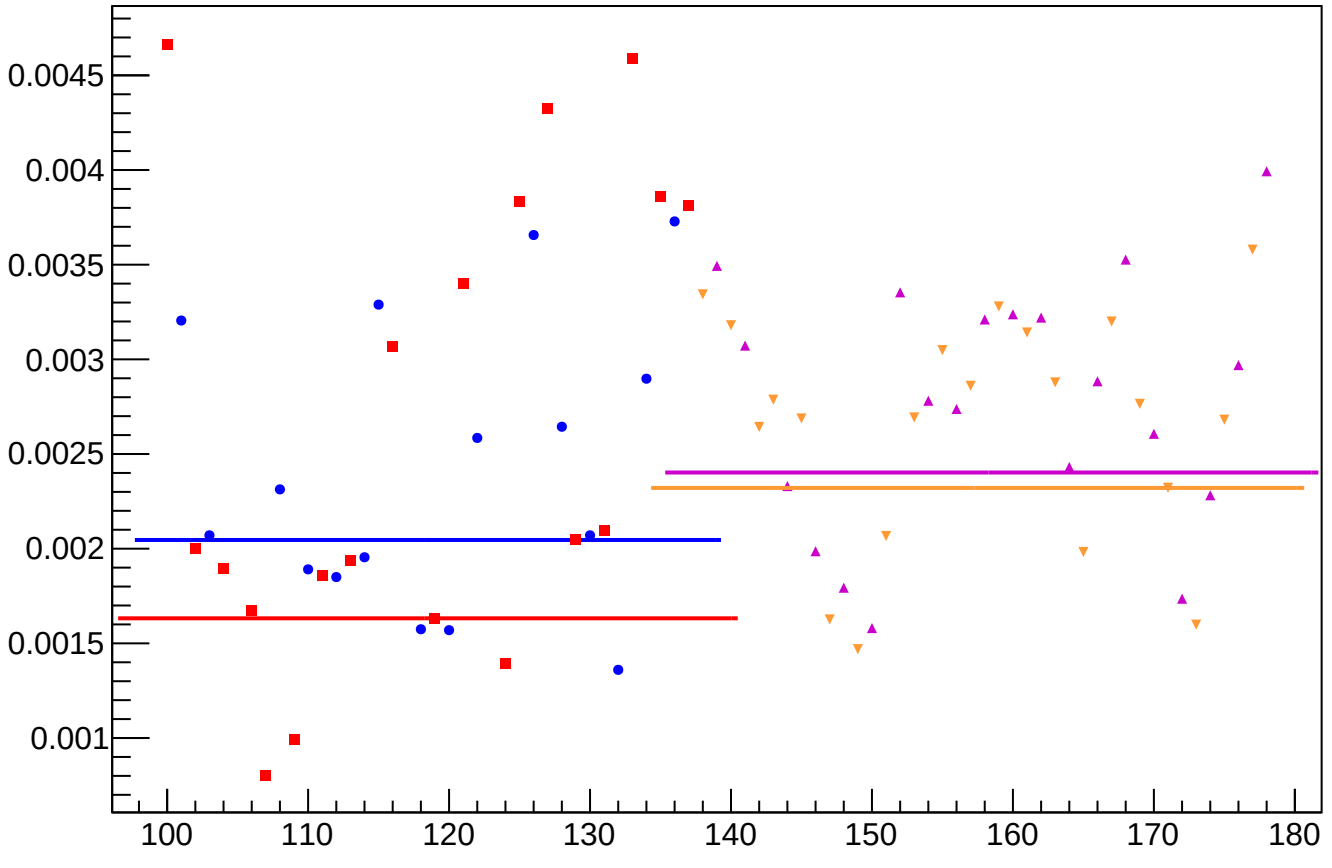
Left: 0.000+/-0.000 χ^2/NDF: 50.6/40

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

In: 0.000+/-0.000 χ^2/NDF:31.8/35

Out: -0.000+/-0.000 χ^2/NDF:60.5/39

All: -0.000+/-0.000 χ^2/NDF: 93.4/75



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:2245896.8/19

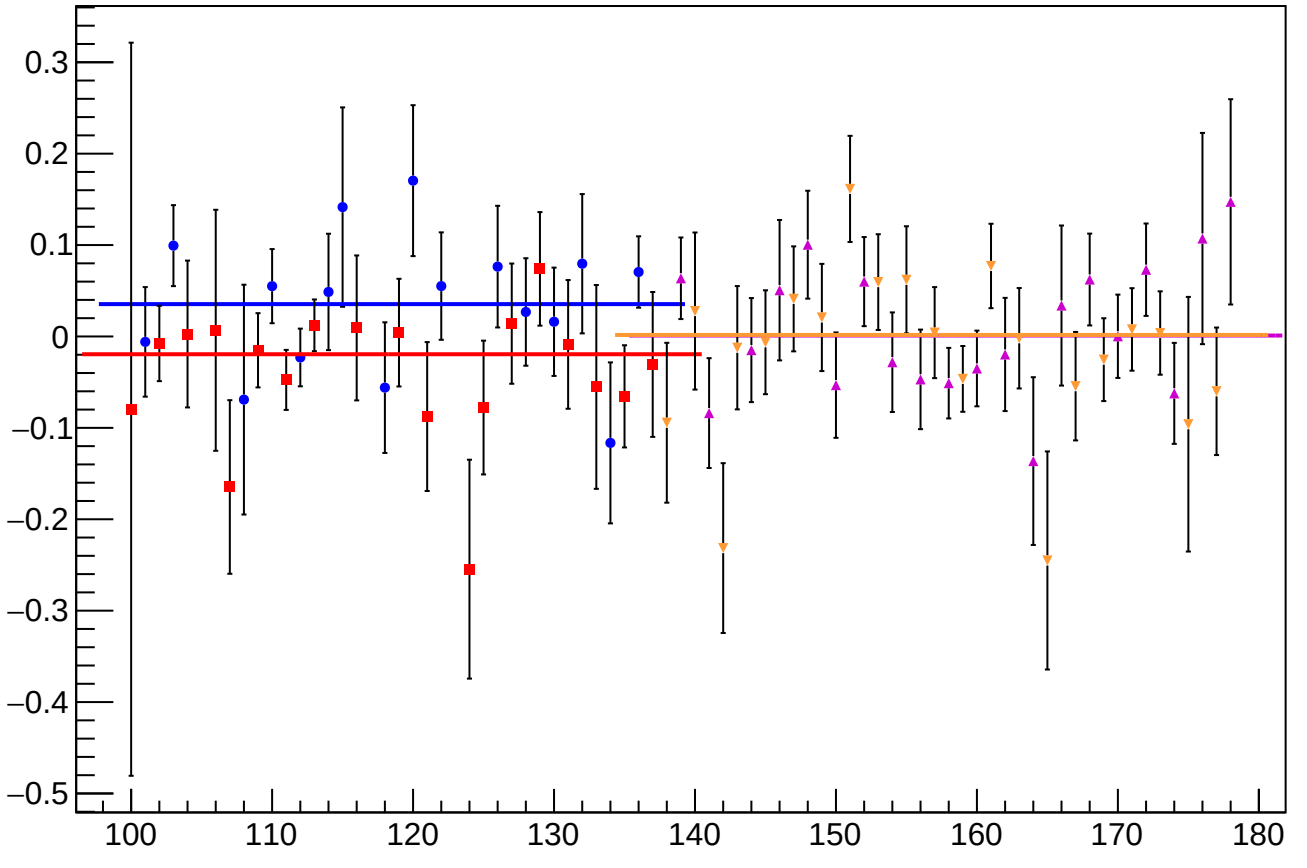
Left: 0.002+/-0.000 χ^2/NDF: 4740717.9/40

Right: 0.002+/-0.000 χ^2/NDF: 4499888.8/34

In: 0.002+/-0.000 χ^2/NDF:3750231.1/35

Out: 0.002+/-0.000 χ^2/NDF:6585865.7/39

All: 0.002+/-0.000 χ^2/NDF: 10625065.7/75



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+/-0.012 χ^2/NDF:23.2/19

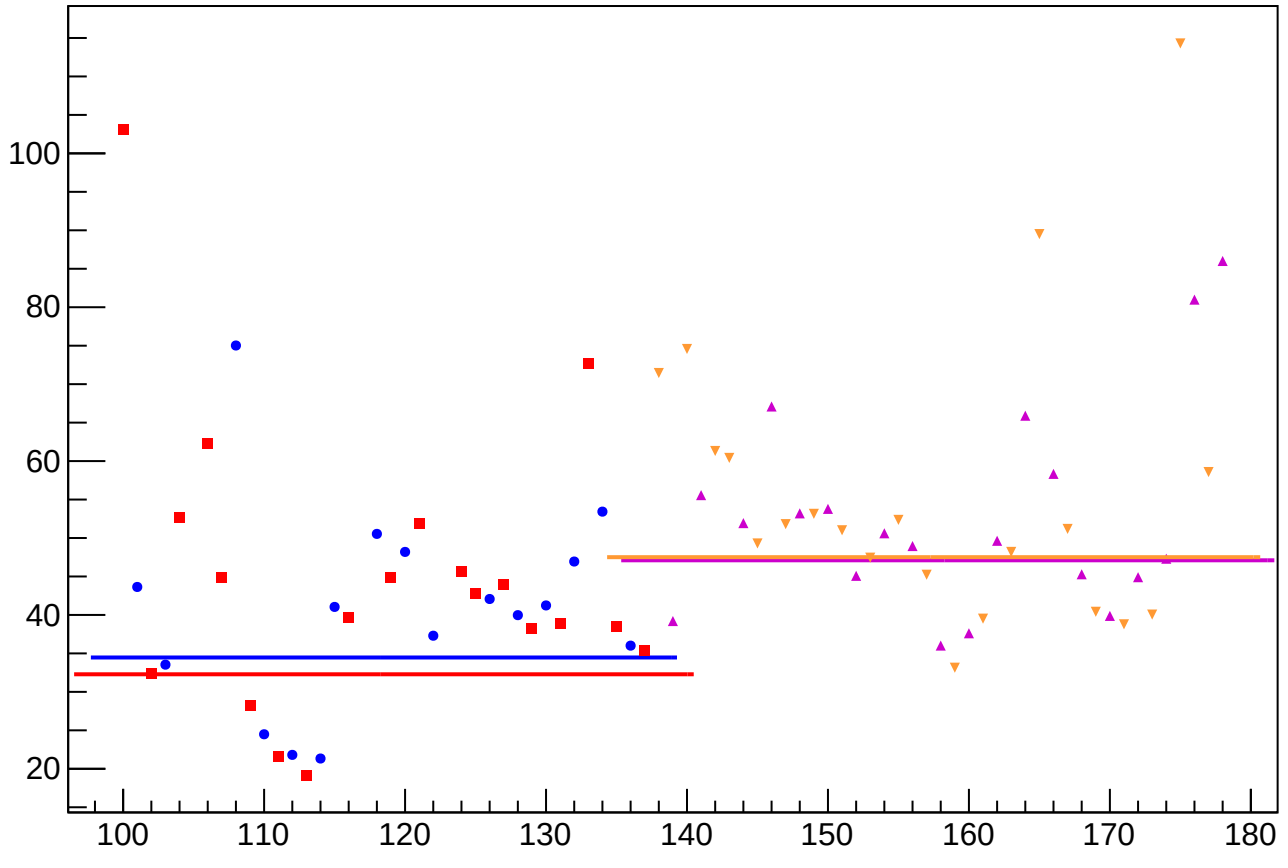
Left: 0.001+/-0.009 χ^2/NDF: 52.5/40

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.016+/-0.009 χ^2/NDF:43.5/35

Out: -0.008+/-0.009 χ^2/NDF:44.1/39

All: 0.004+/-0.006 χ^2/NDF: 91.2/75



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: 47.103+/-0.009 χ^2/NDF:1173563.3/19

Left: 47.306+/-0.006 χ^2/NDF: 3018932.5/40

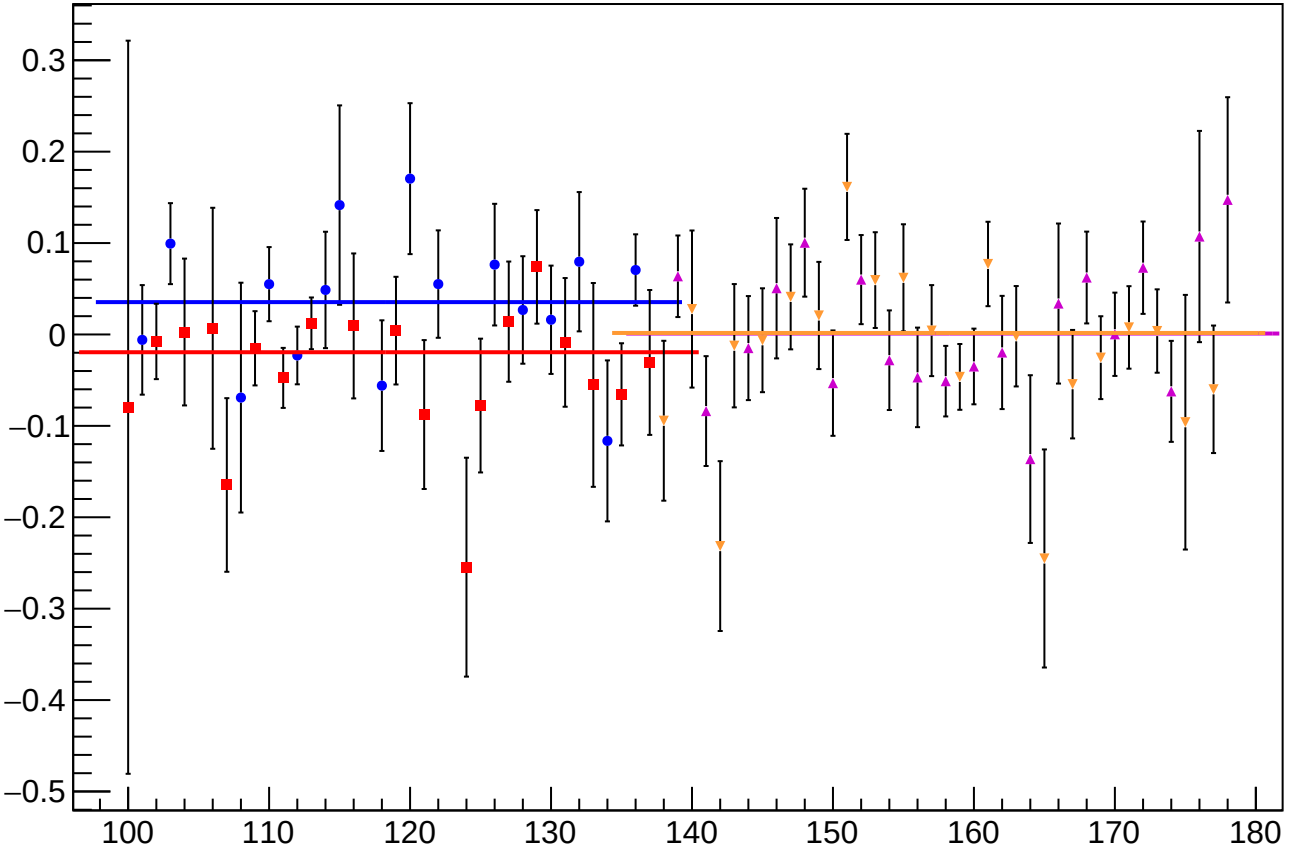
Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

In: 41.477+/-0.007 χ^2/NDF:3262571.7/35

Out: 40.327+/-0.006 χ^2/NDF:4938681.8/39

All: 40.886+/-0.005 χ^2/NDF: 8217072.9/75

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+/-0.012 χ^2/NDF:23.2/19

Left: 0.001+/-0.009 χ^2/NDF: 52.5/40

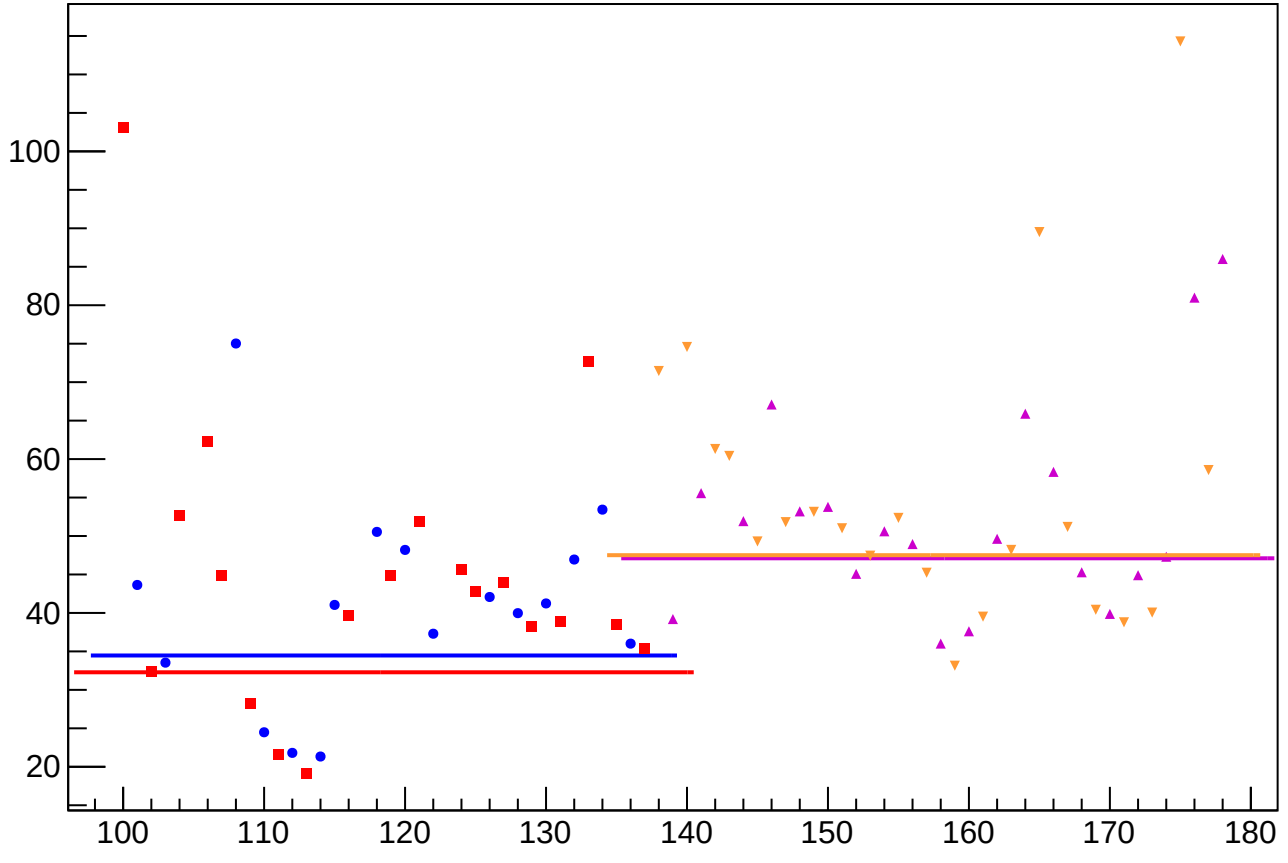
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.016+/-0.009 χ^2/NDF:43.5/35

Out: -0.008+/-0.009 χ^2/NDF:44.1/39

All: 0.004+/-0.006 χ^2/NDF: 91.2/75

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 47.508+/-0.009 χ^2/NDF:1844307.4/20

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 47.103+/-0.009 χ^2/NDF:1173563.3/19

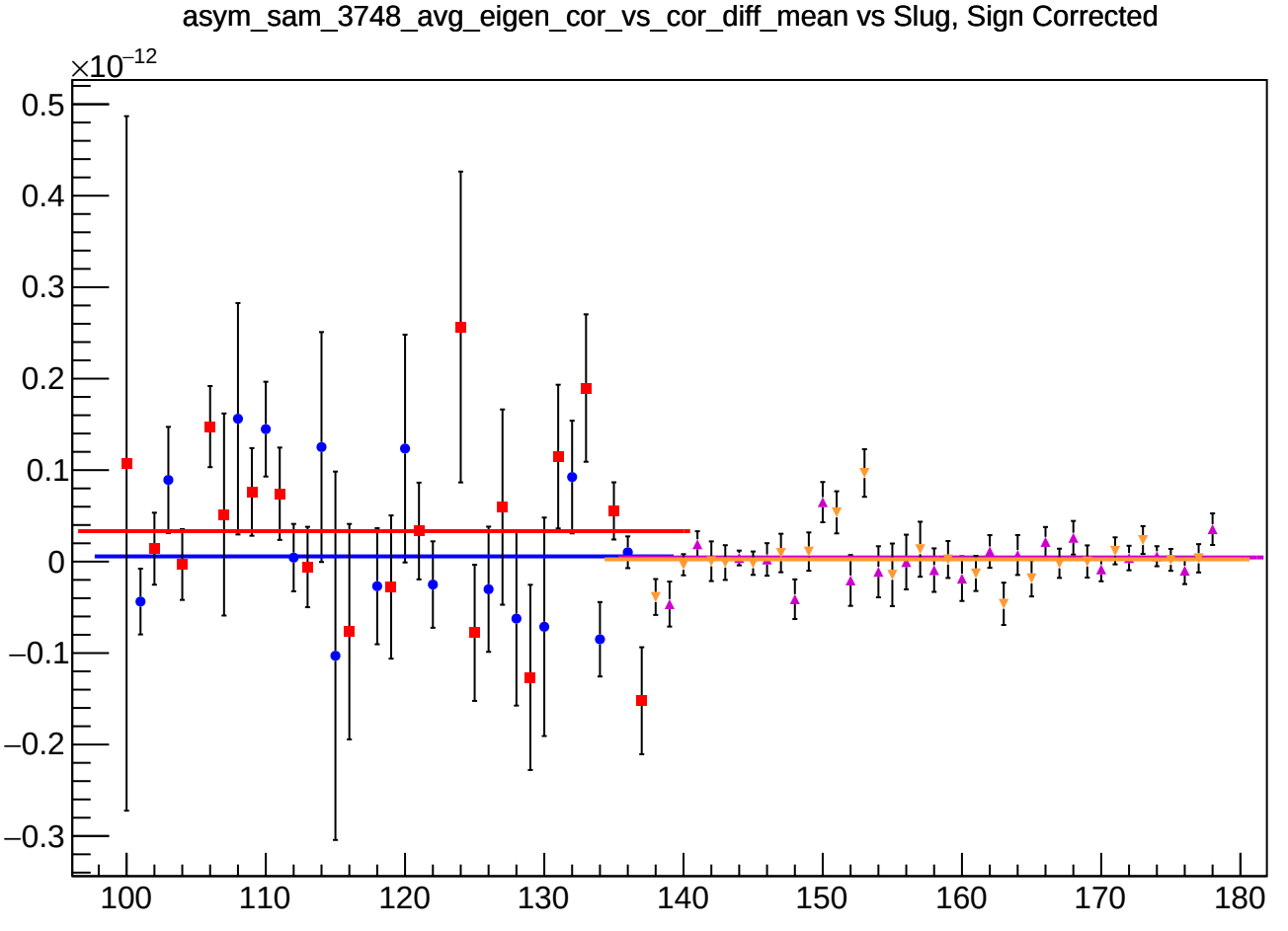
Left: 47.306+/-0.006 χ^2/NDF: 3018932.5/40

Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

In: 41.477+/-0.007 χ^2/NDF:3262571.7/35

Out: 40.327+/-0.006 χ^2/NDF:4938681.8/39

All: 40.886+/-0.005 χ^2/NDF: 8217072.9/75



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:27.5/19

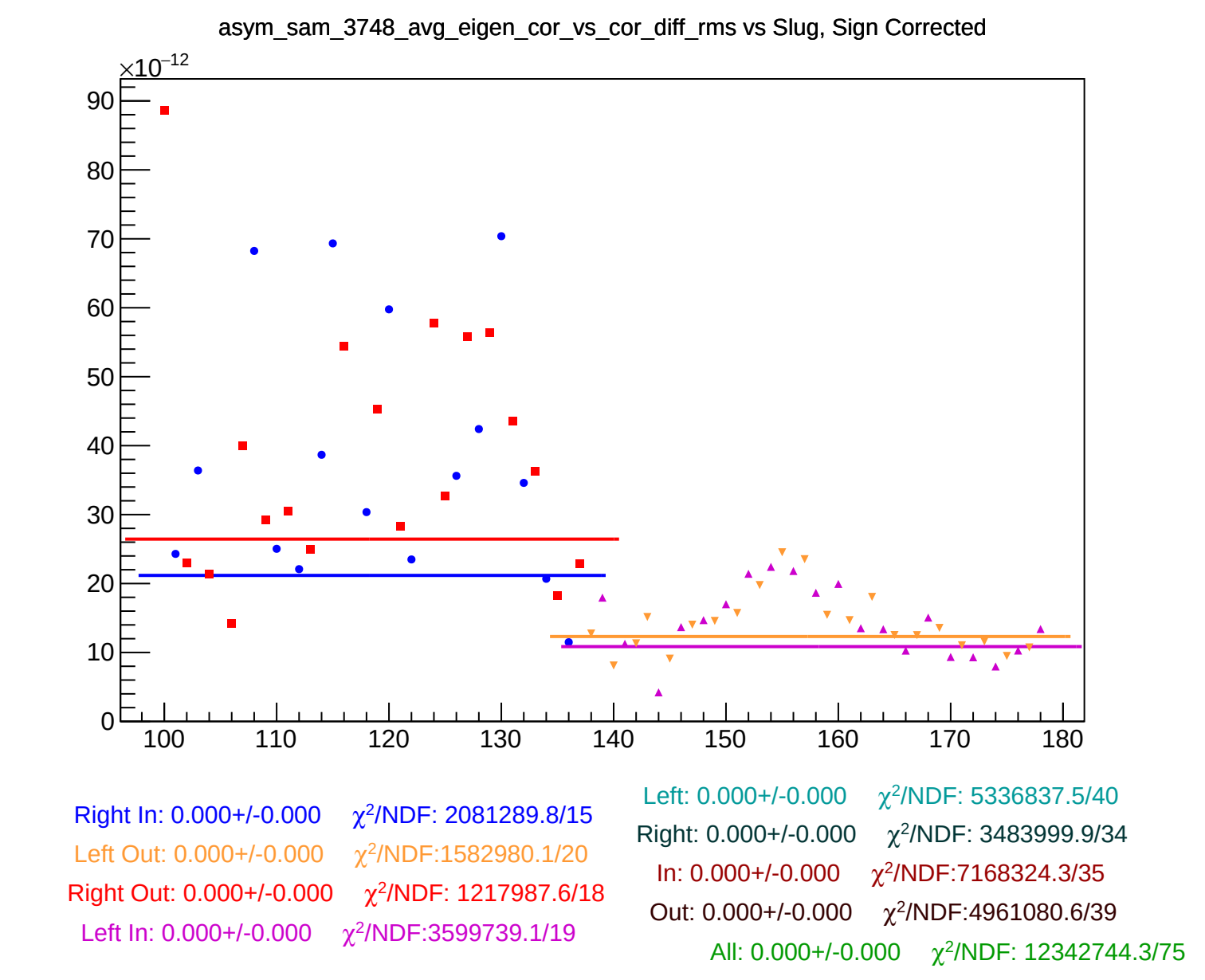
Left: 0.000+/-0.000 χ^2/NDF: 59.9/40

Right: 0.000+/-0.000 χ^2/NDF: 59.6/34

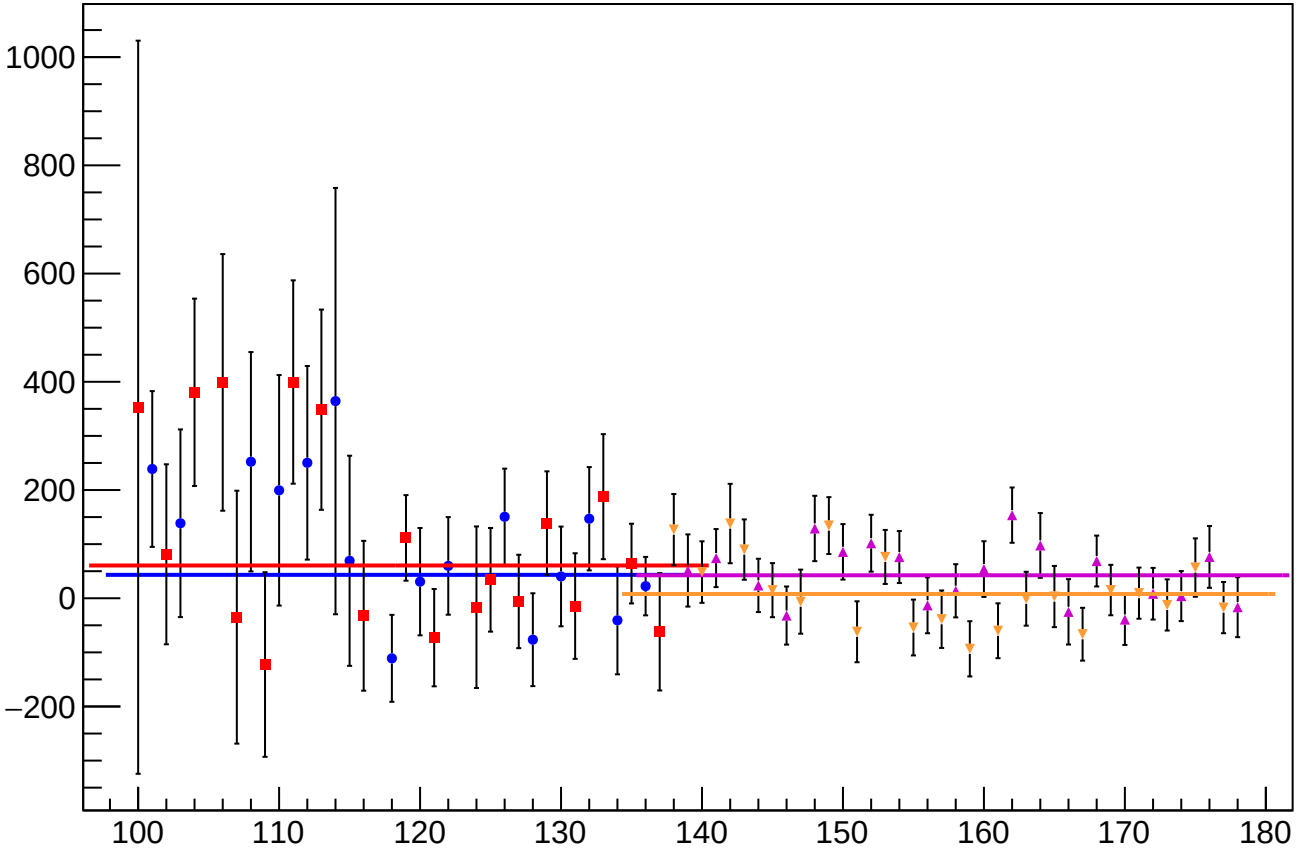
In: 0.000+/-0.000 χ^2/NDF:51.1/35

Out: 0.000+/-0.000 χ^2/NDF:70.8/39

All: 0.000+/-0.000 χ^2/NDF: 121.9/75


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1582980.1/20
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:3599739.1/19
Left: 0.000+/-0.000 χ²/NDF: 5336837.5/40
Right: 0.000+/-0.000 χ²/NDF: 3483999.9/34
In: 0.000+/-0.000 χ²/NDF:7168324.3/35
Out: 0.000+/-0.000 χ²/NDF:4961080.6/39
All: 0.000+/-0.000 χ²/NDF: 12342744.3/75

reg_asym_sam_1526_avg_mean vs Slug, Sign Corrected



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: 42.468+/-11.681 χ^2/NDF:21.4/19

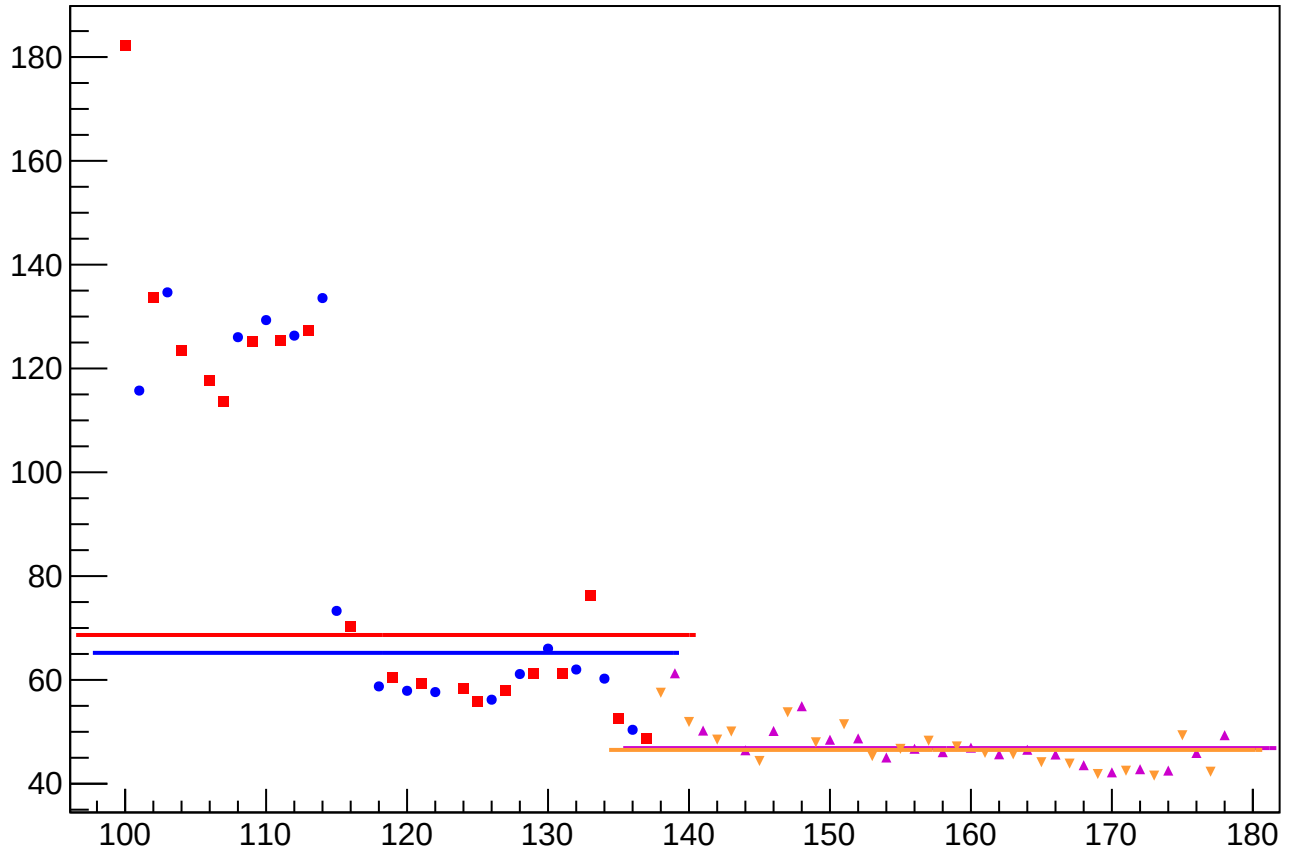
Left: 24.839+/-8.185 χ^2/NDF: 55.8/40

Right: 51.548+/-18.611 χ^2/NDF: 35.6/34

In: 42.601+/-10.640 χ^2/NDF:36.3/35

Out: 15.956+/-10.552 χ^2/NDF:53.7/39

All: 29.168+/-7.492 χ^2/NDF: 93.1/75



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: 46.865+/-0.008 χ^2/NDF:220842.5/19

Left: 46.687+/-0.006 χ^2/NDF: 447212.9/40

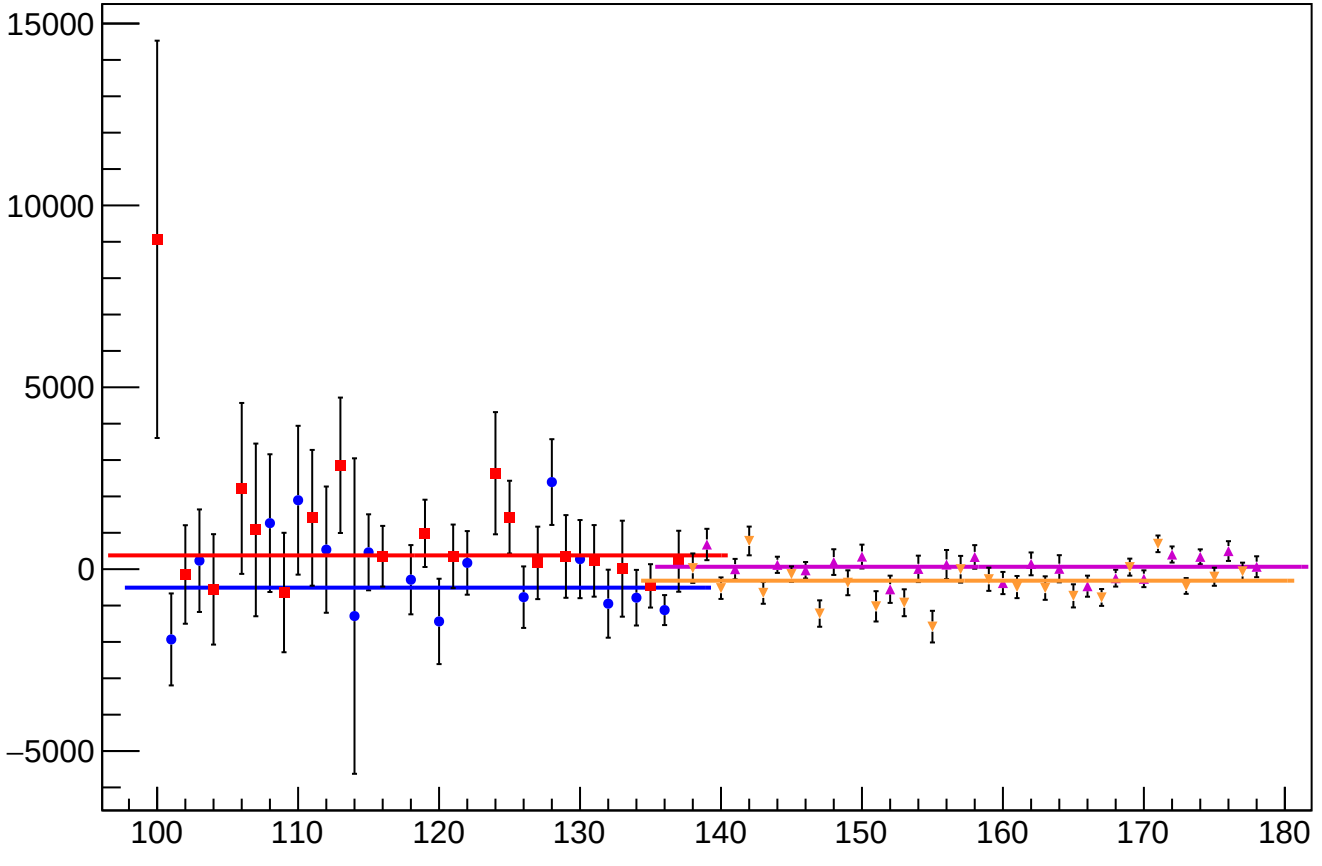
Right: 66.862+/-0.013 χ^2/NDF: 3104495.7/34

In: 49.990+/-0.008 χ^2/NDF:2507799.0/35

Out: 49.923+/-0.007 χ^2/NDF:3013275.9/39

All: 49.956+/-0.005 χ^2/NDF: 5521114.7/75

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: 65.809+/-62.903 χ^2/NDF:22.8/19

Left: -124.352+/-44.596 χ^2/NDF: 103.3/40

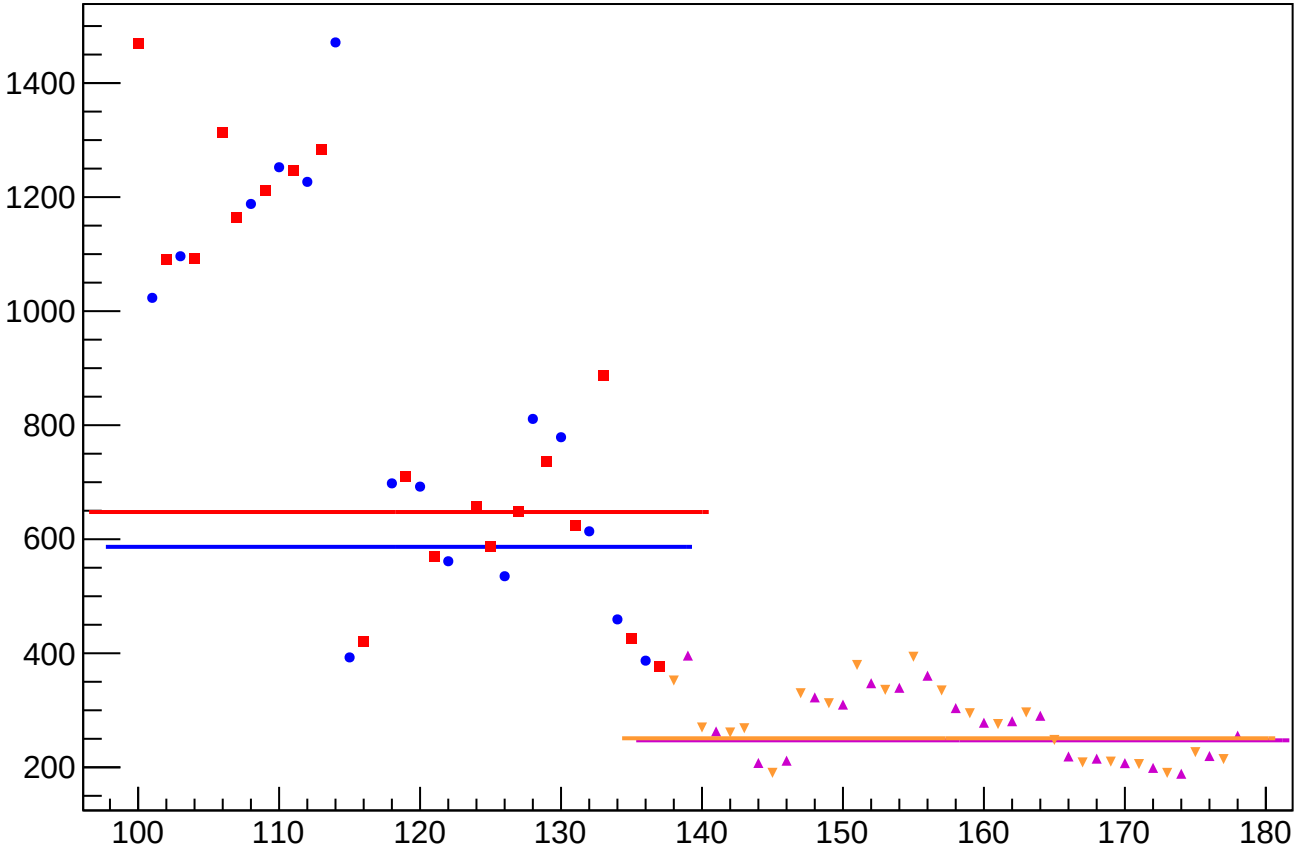
Right: -99.449+/-174.019 χ^2/NDF: 33.8/34

In: 28.036+/-60.797 χ^2/NDF:43.9/35

Out: -276.654+/-61.395 χ^2/NDF:80.8/39

All: -122.817+/-43.200 χ^2/NDF: 137.1/75

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: 247.323+/-0.044 χ^2/NDF:1482604.3/19

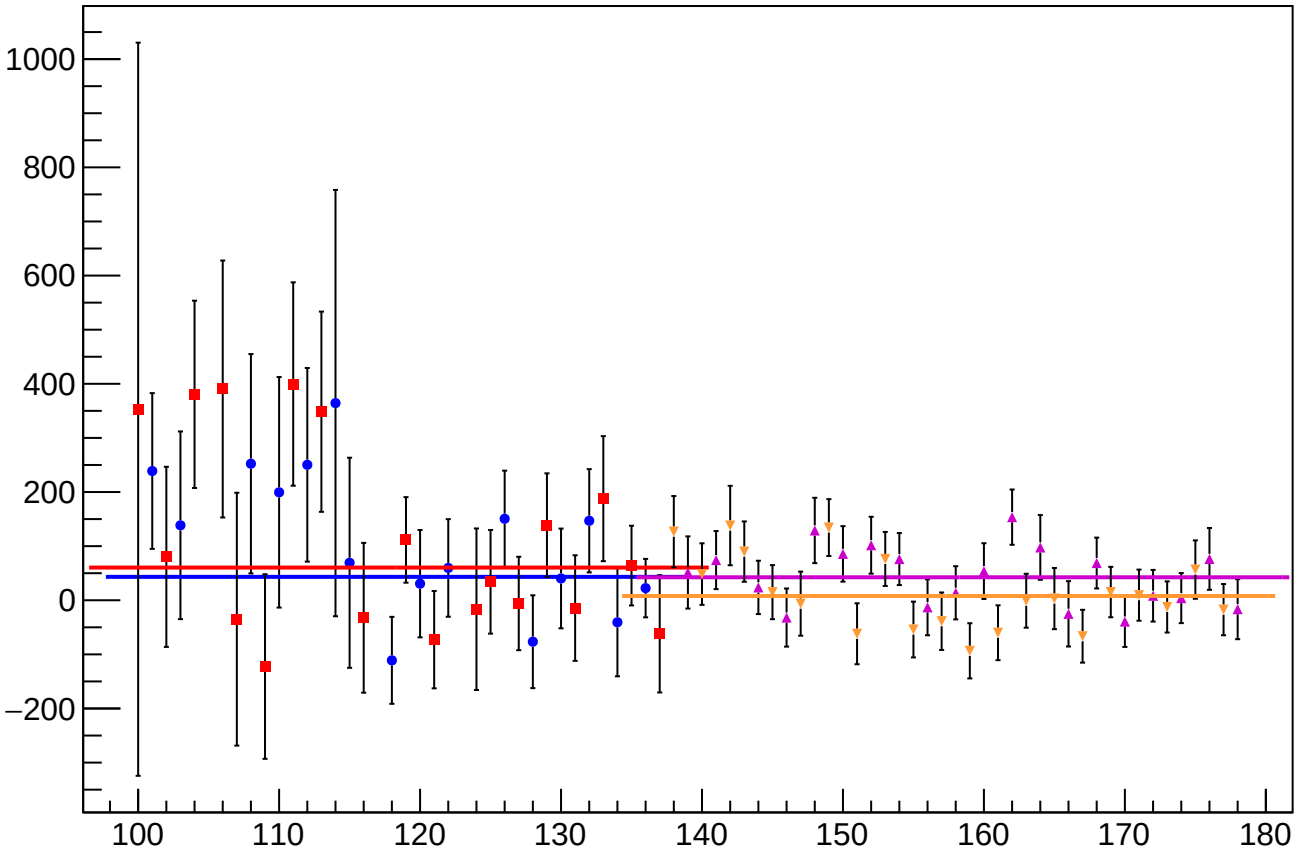
Left: 249.105+/-0.032 χ^2/NDF: 3084796.2/40

Right: 614.784+/-0.123 χ^2/NDF: 4220010.2/34

In: 269.663+/-0.043 χ^2/NDF:7367366.1/35

Out: 273.657+/-0.043 χ^2/NDF:8220450.0/39

All: 271.640+/-0.031 χ^2/NDF: 15592089.1/75



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: 42.468+/-11.681 χ^2/NDF:21.4/19

Left: 24.839+/-8.185 χ^2/NDF: 55.8/40

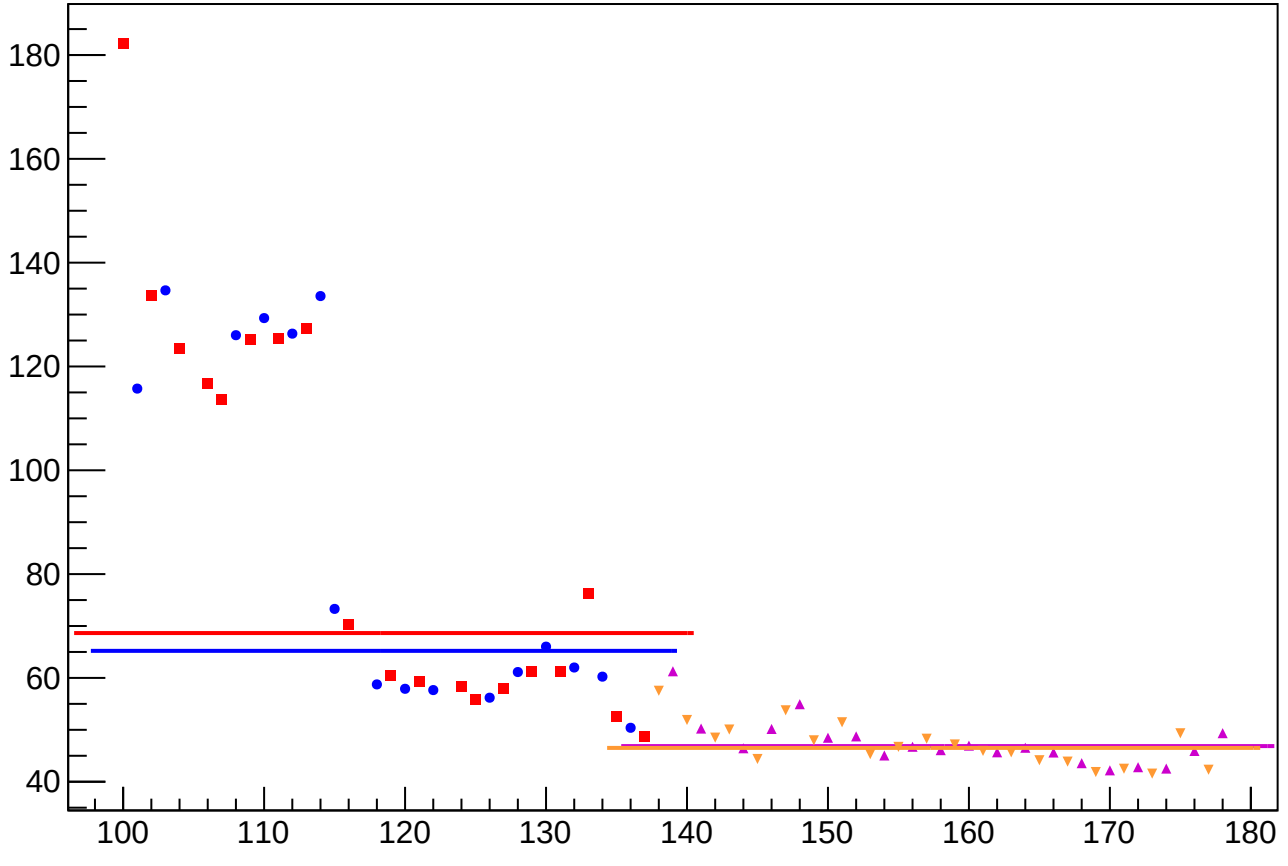
Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 42.599+/-10.640 χ^2/NDF:36.3/35

Out: 15.933+/-10.552 χ^2/NDF:53.5/39

All: 29.155+/-7.492 χ^2/NDF: 93.0/75

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: 46.865+/-0.008 χ^2/NDF:220842.5/19

Left: 46.687+/-0.006 χ^2/NDF: 447212.8/40

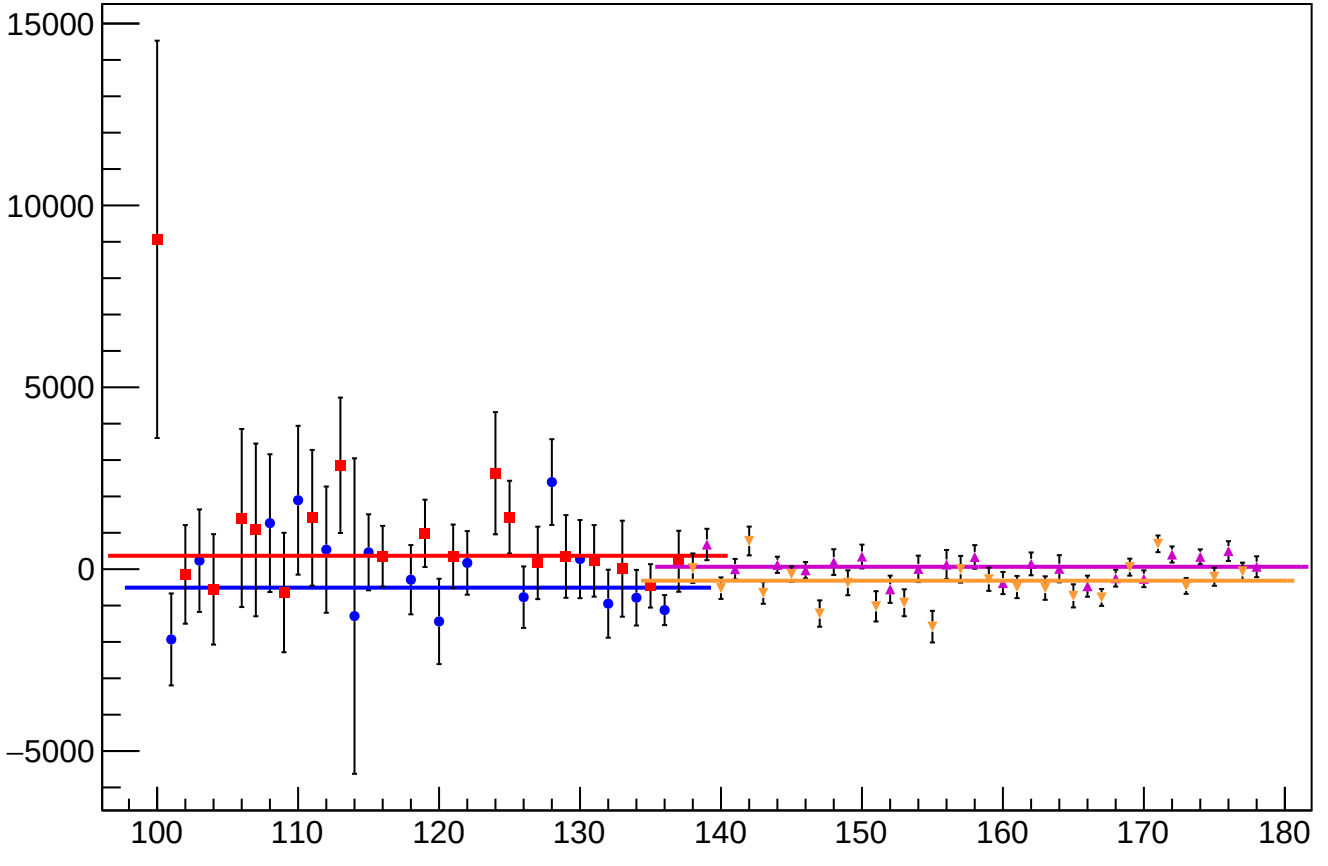
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 49.990+/-0.008 χ^2/NDF:2507801.0/35

Out: 49.921+/-0.007 χ^2/NDF:3008384.3/39

All: 49.955+/-0.005 χ^2/NDF: 5516228.0/75

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: 65.807+/-62.903 χ^2/NDF:22.8/19

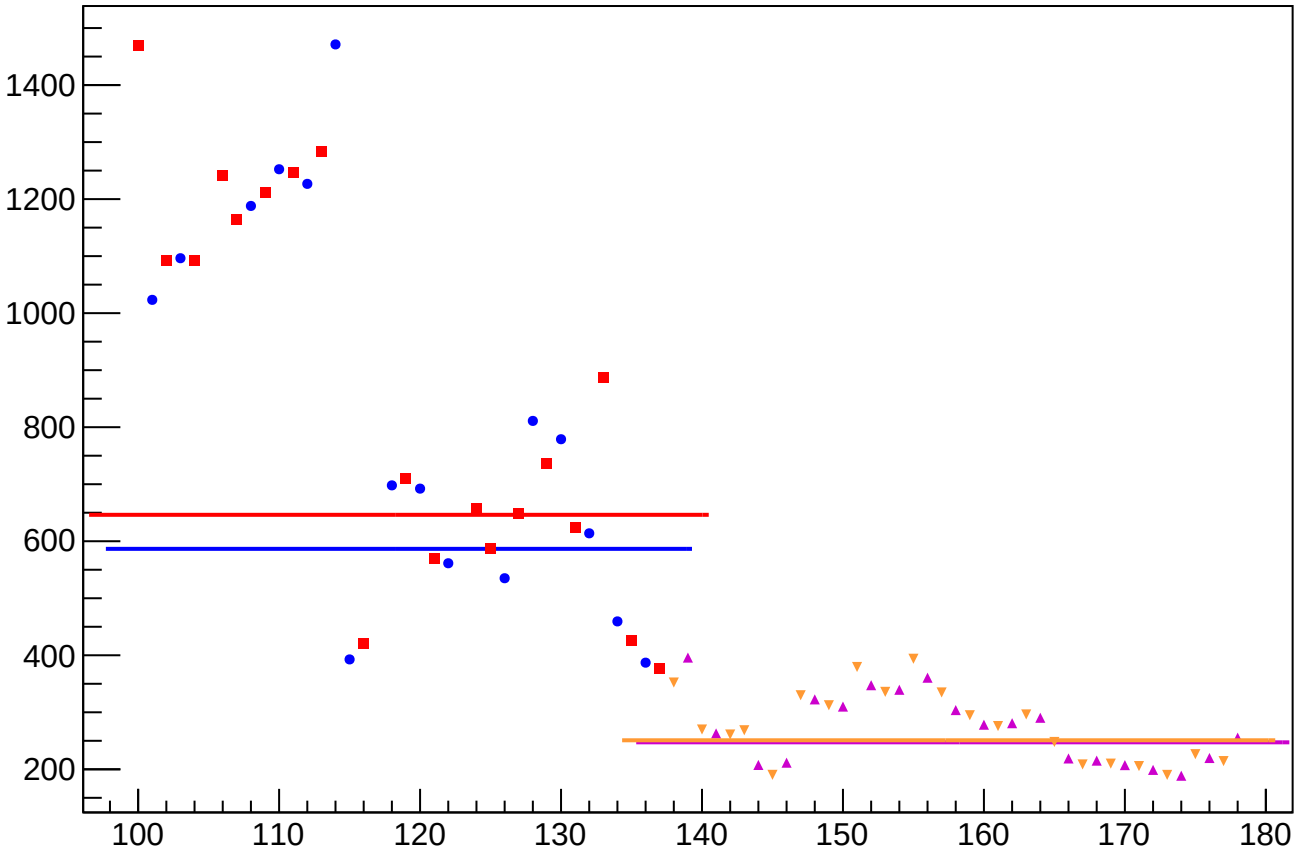
Left: -124.352+/-44.596 χ^2/NDF: 103.3/40

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: 28.035+/-60.797 χ^2/NDF:43.9/35

Out: -277.293+/-61.397 χ^2/NDF:80.2/39

All: -123.130+/-43.201 χ^2/NDF: 136.5/75



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: 247.323+/-0.044 χ^2/NDF:1482599.2/19

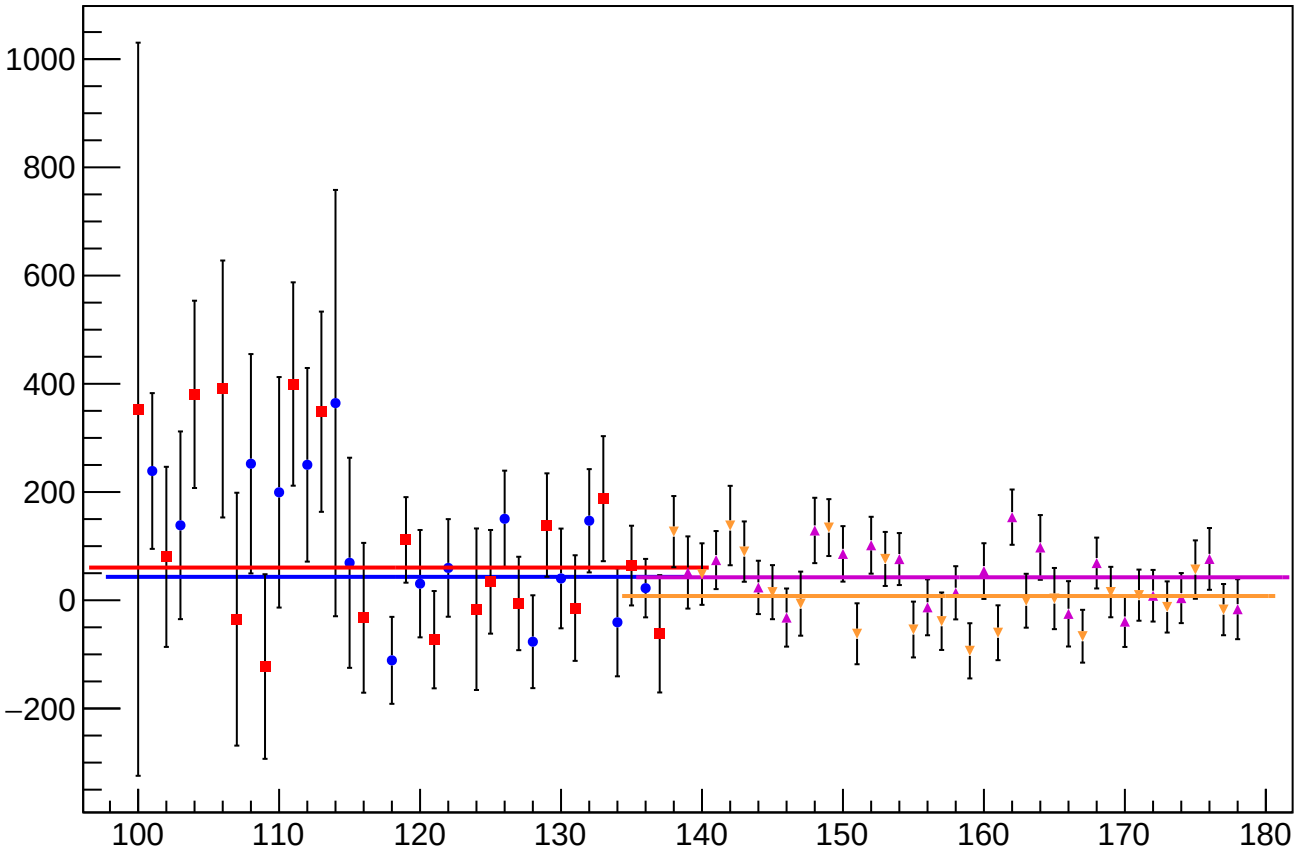
Left: 249.104+/-0.032 χ^2/NDF: 3084801.4/40

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 269.663+/-0.043 χ^2/NDF:7367378.6/35

Out: 273.554+/-0.043 χ^2/NDF:8141844.2/39

All: 271.590+/-0.031 χ^2/NDF: 15513279.8/75



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: 42.468+/-11.681 χ^2/NDF:21.4/19

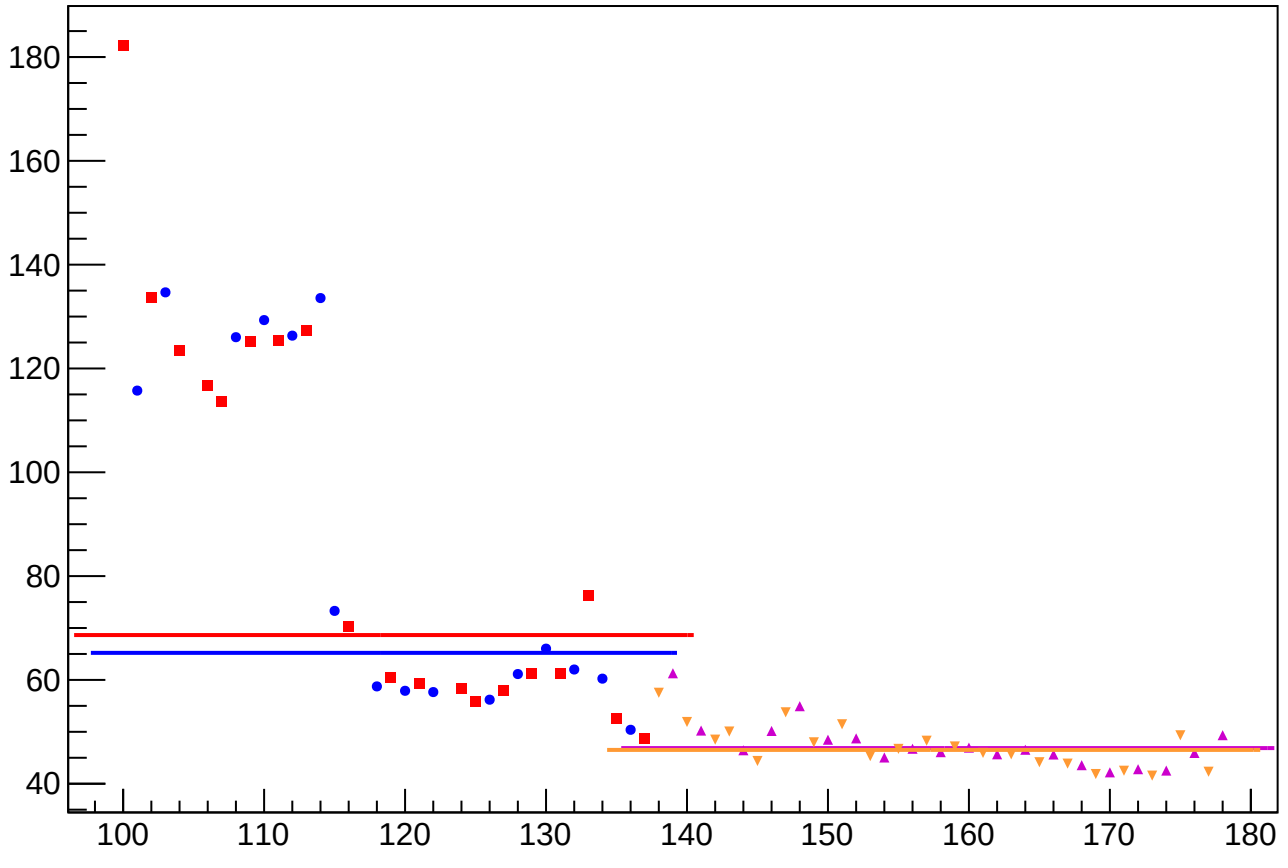
Left: 24.839+/-8.185 χ^2/NDF: 55.8/40

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 42.599+/-10.640 χ^2/NDF:36.3/35

Out: 15.933+/-10.552 χ^2/NDF:53.5/39

All: 29.155+/-7.492 χ^2/NDF: 93.0/75



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: 46.865+/-0.008 χ^2/NDF:220842.5/19

Left: 46.687+/-0.006 χ^2/NDF: 447212.8/40

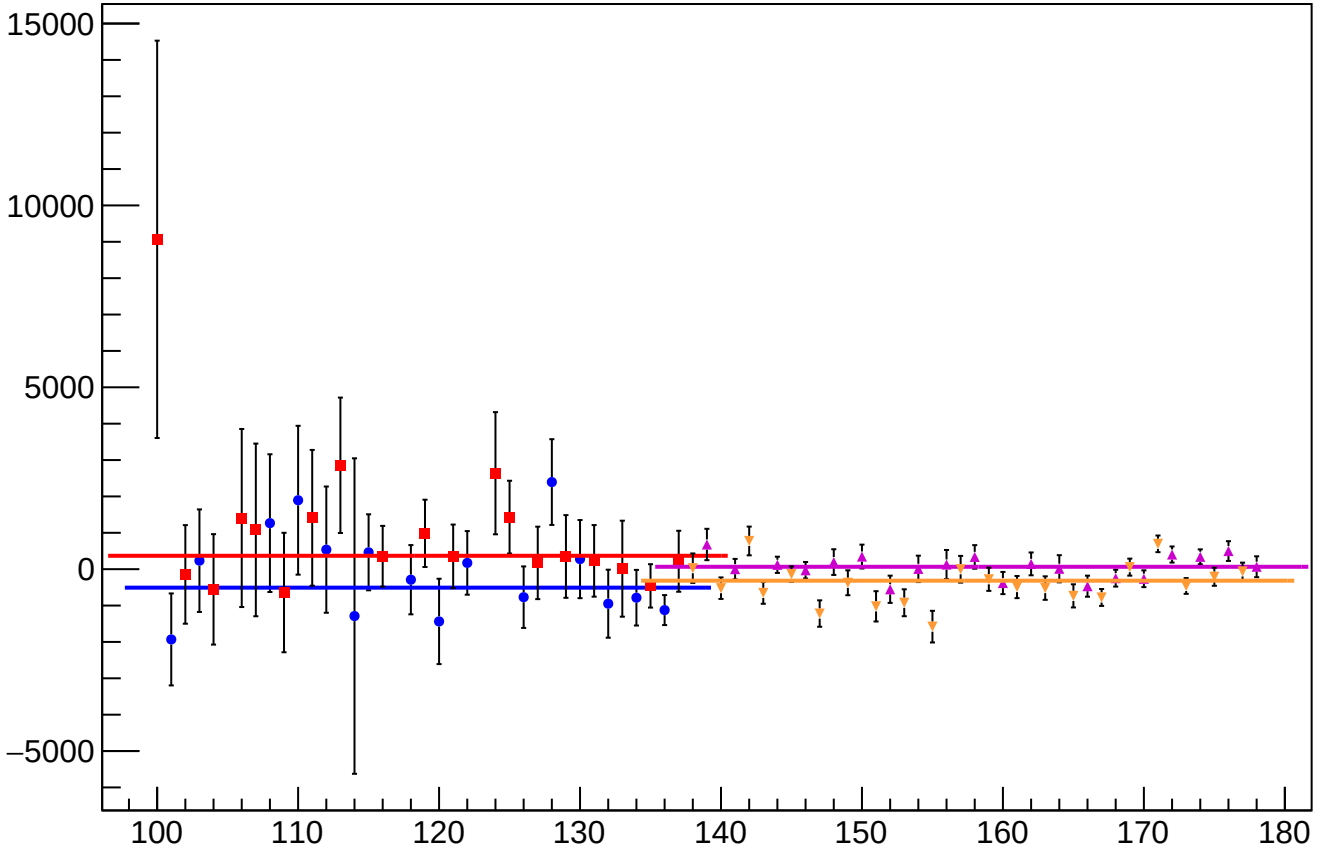
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 49.990+/-0.008 χ^2/NDF:2507801.0/35

Out: 49.921+/-0.007 χ^2/NDF:3008384.3/39

All: 49.955+/-0.005 χ^2/NDF: 5516228.0/75

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: 65.807+/-62.903 χ^2/NDF:22.8/19

Left: -124.352+/-44.596 χ^2/NDF: 103.3/40

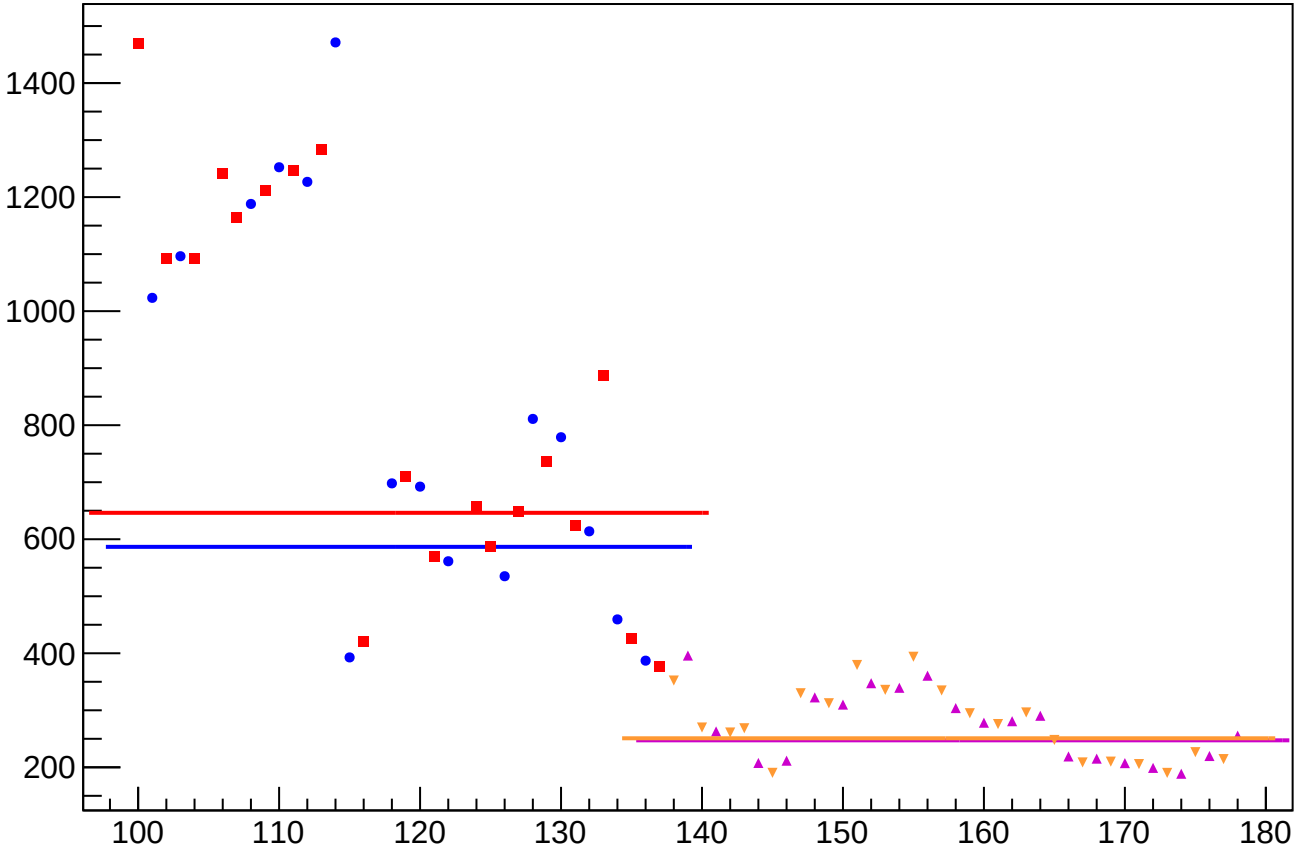
Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: 28.035+/-60.797 χ^2/NDF:43.9/35

Out: -277.293+/-61.397 χ^2/NDF:80.2/39

All: -123.130+/-43.201 χ^2/NDF: 136.5/75

asym_sam_1526_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 250.905+/-0.045 χ^2/NDF:1598977.0/20

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 247.323+/-0.044 χ^2/NDF:1482599.2/19

Left: 249.104+/-0.032 χ^2/NDF: 3084801.4/40

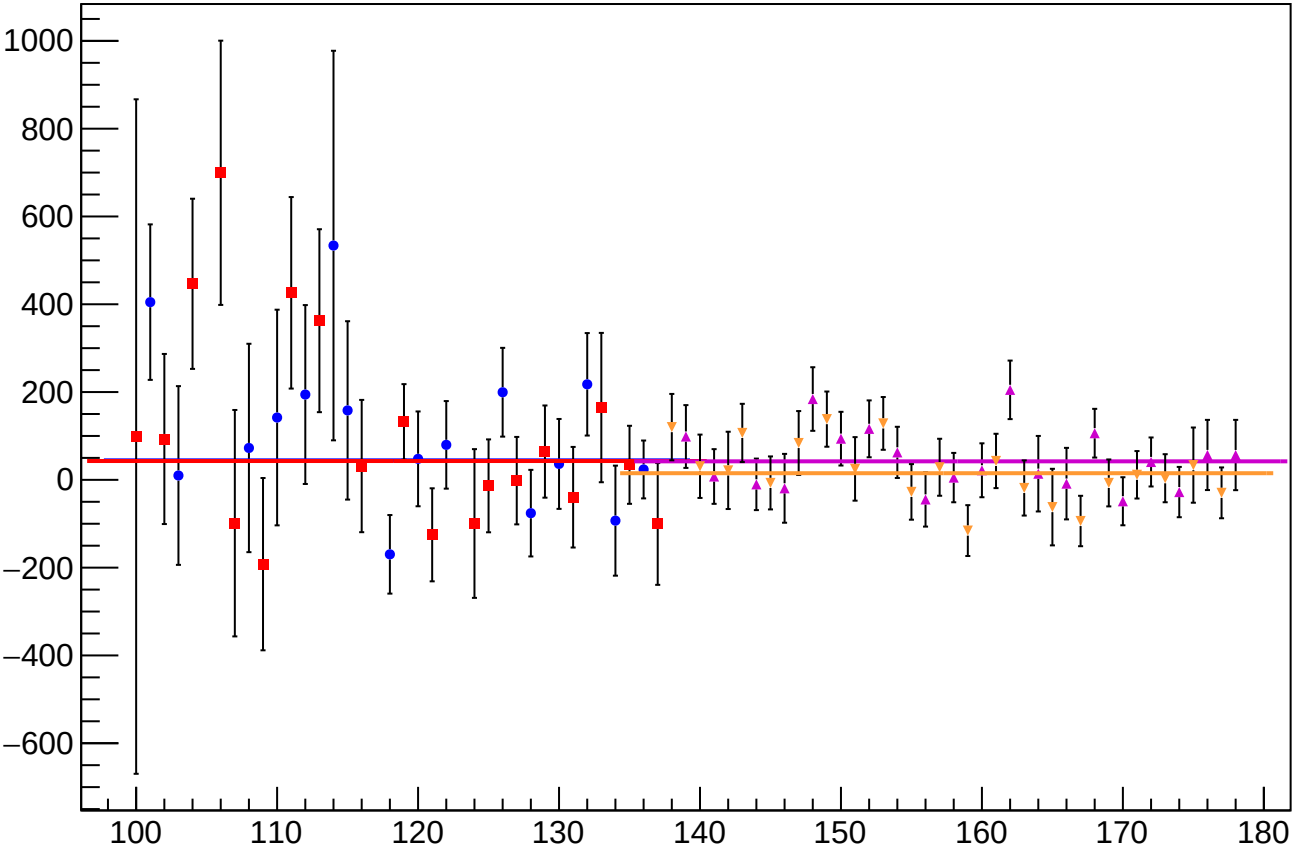
Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 269.663+/-0.043 χ^2/NDF:7367378.6/35

Out: 273.554+/-0.043 χ^2/NDF:8141844.2/39

All: 271.590+/-0.031 χ^2/NDF: 15513279.8/75

dit_asym_sam_1526_avg_mean vs Slug, Sign Corrected



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: 42.178+/-14.365 χ^2/NDF:22.9/19

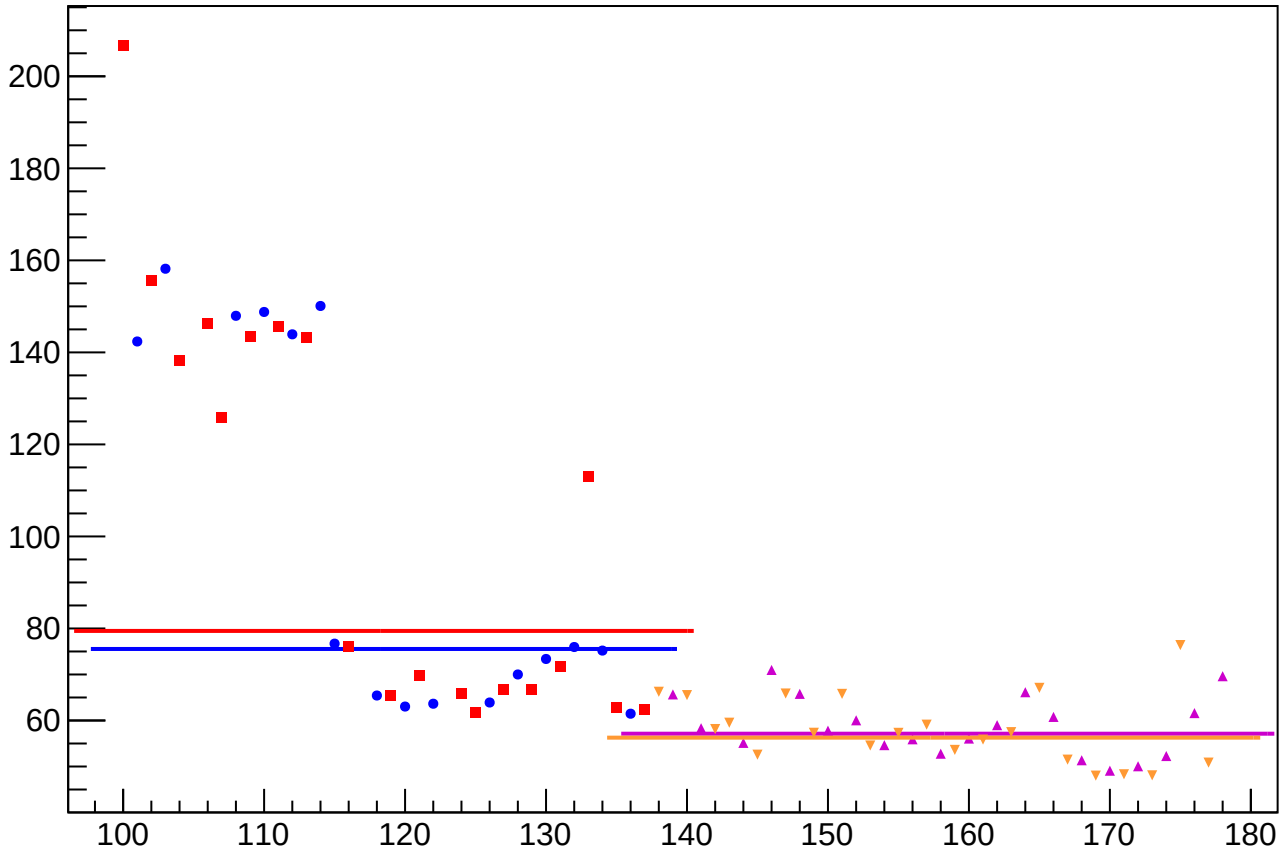
Left: 28.312+/-10.027 χ^2/NDF: 48.4/40

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 42.592+/-12.949 χ^2/NDF:42.6/35

Out: 19.781+/-12.777 χ^2/NDF:47.6/39

All: 31.034+/-9.095 χ^2/NDF: 91.7/75



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: 57.130+/-0.010 χ^2/NDF:337568.3/19

Left: 56.689+/-0.007 χ^2/NDF: 811230.4/40

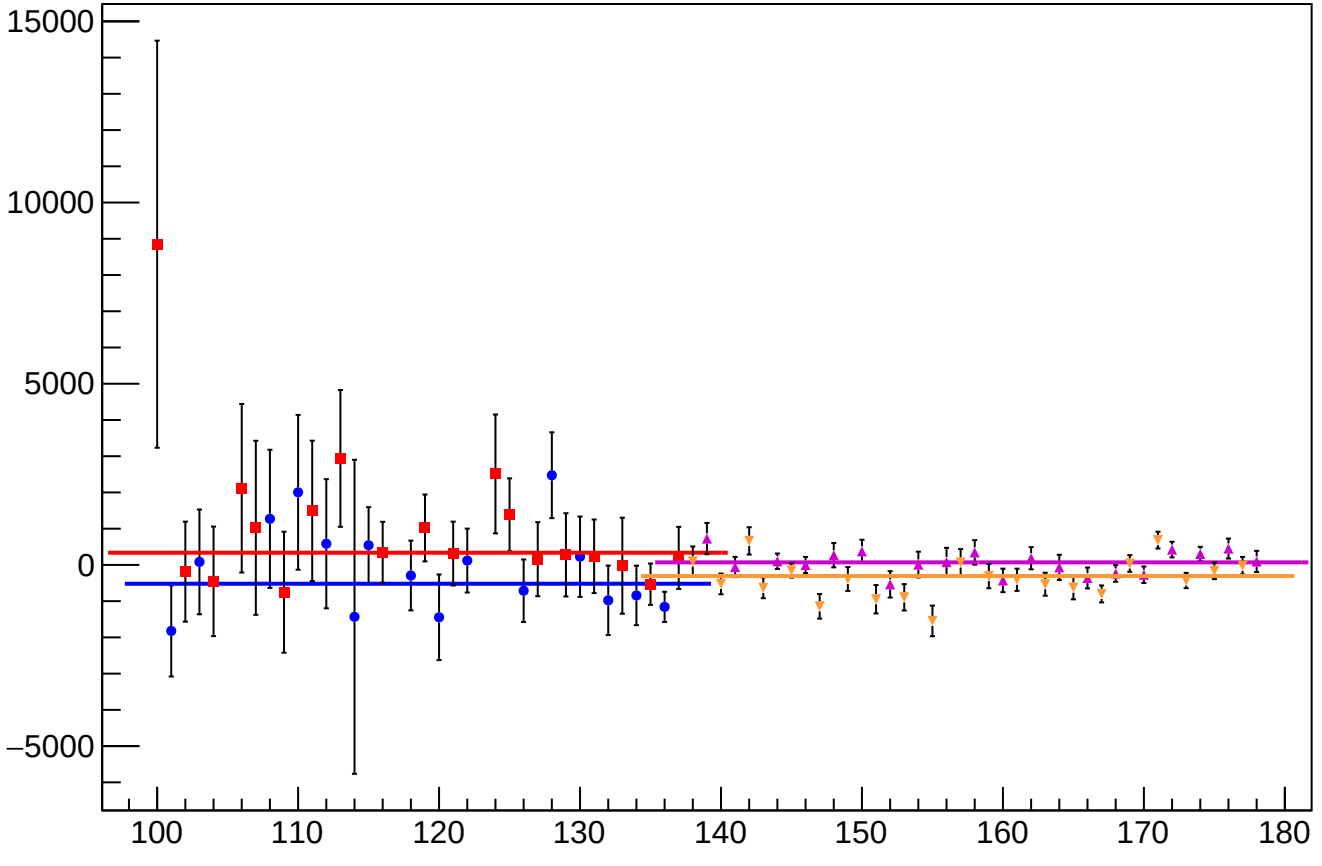
Right: 77.419+/-0.015 χ^2/NDF: 3165620.3/34

In: 60.582+/-0.009 χ^2/NDF:2419121.2/35

Out: 60.148+/-0.009 χ^2/NDF:3071369.4/39

All: 60.362+/-0.006 χ^2/NDF: 5491628.1/75

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: 70.299+/-61.978 χ^2/NDF:22.3/19

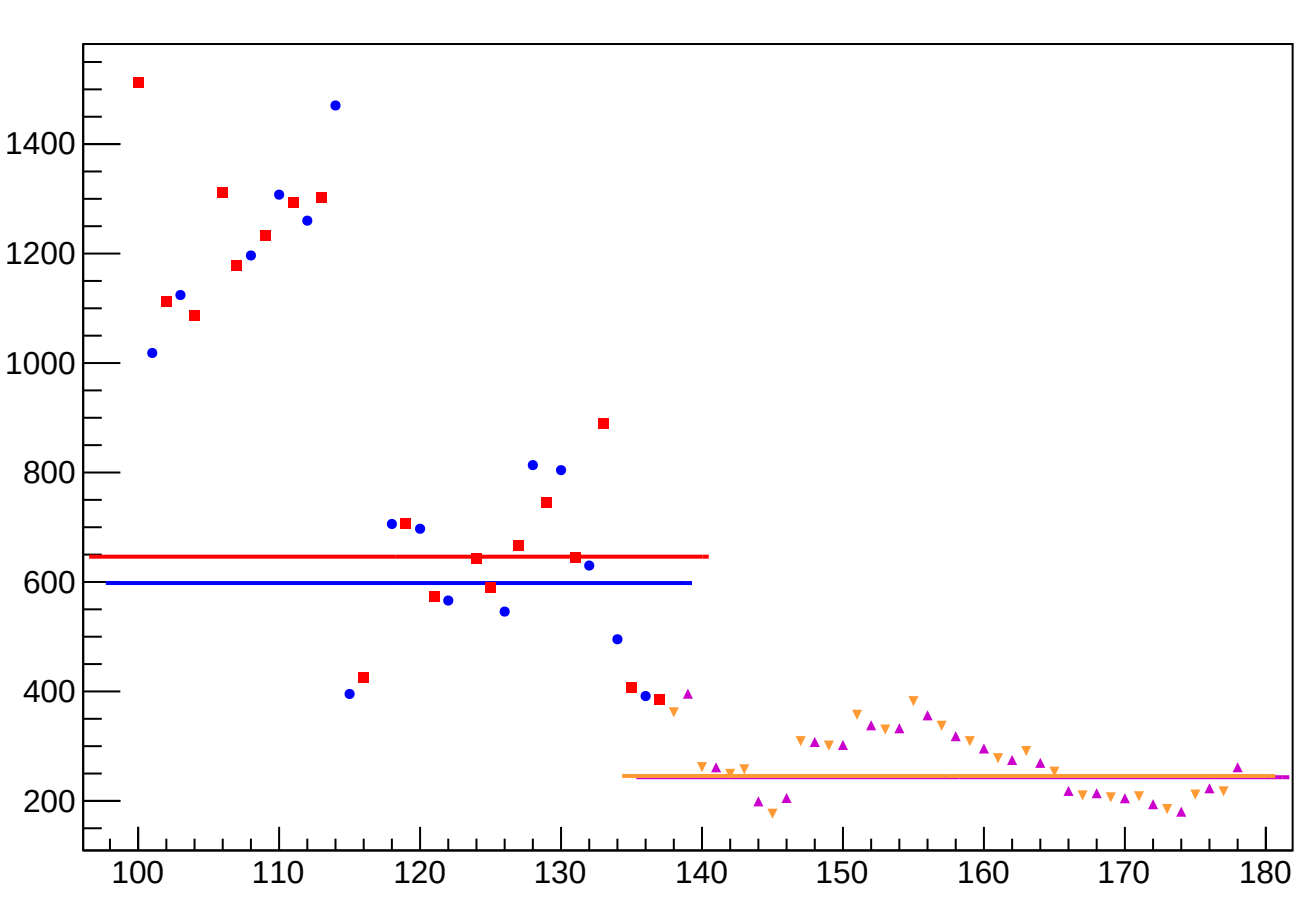
Left: -118.405+/-43.781 χ^2/NDF: 100.7/40

Right: -117.538+/-175.797 χ^2/NDF: 33.6/34

In: 33.817+/-60.030 χ^2/NDF:43.7/35

Out: -271.044+/-60.132 χ^2/NDF:77.7/39

All: -118.354+/-42.483 χ^2/NDF: 134.3/75



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: 243.258+/-0.044 χ^2/NDF:1586441.8/19

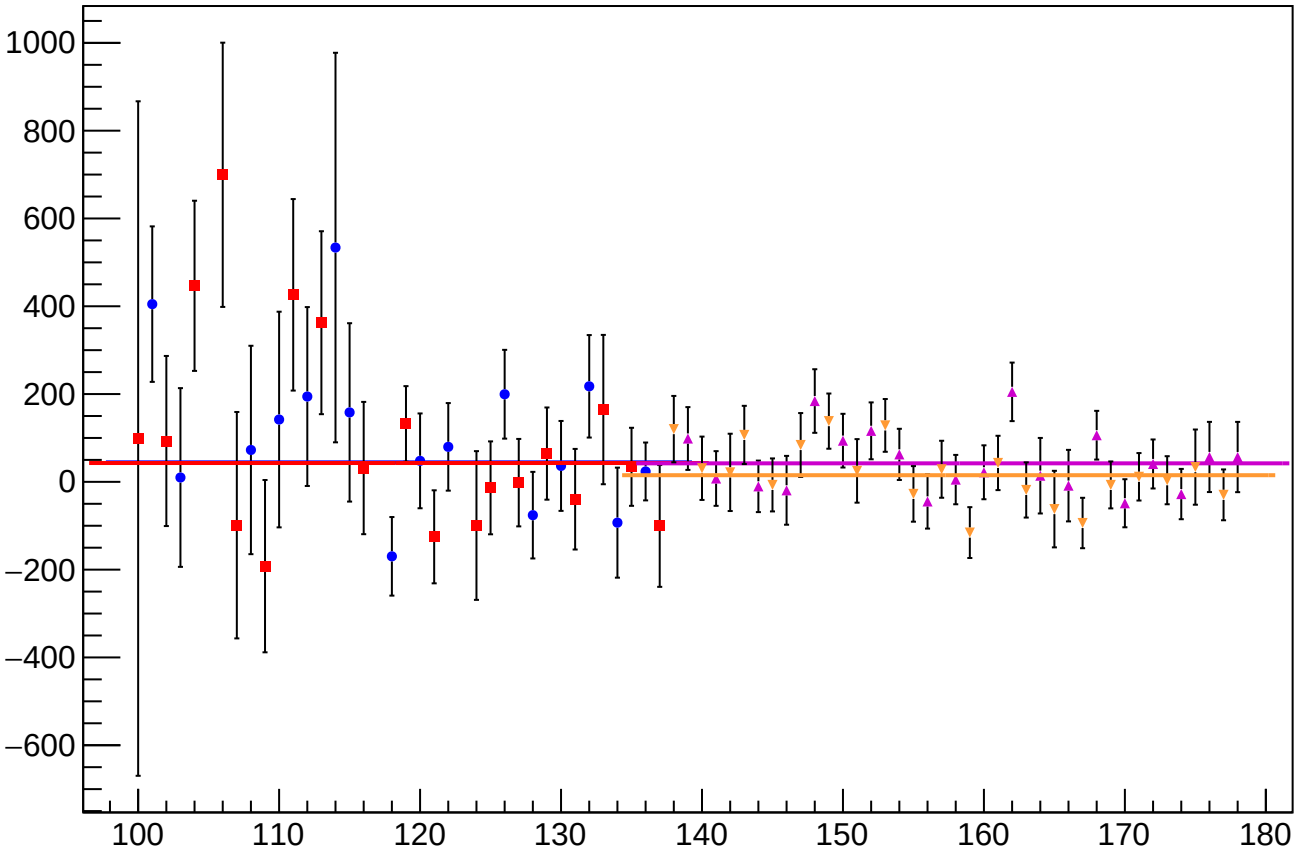
Left: 244.415+/-0.031 χ^2/NDF: 3261482.2/40

Right: 620.639+/-0.124 χ^2/NDF: 4290624.3/34

In: 265.213+/-0.042 χ^2/NDF:7689779.6/35

Out: 267.564+/-0.043 χ^2/NDF:8485935.3/39

All: 266.386+/-0.030 χ^2/NDF: 16177246.1/75



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: 42.177+/-14.365 χ^2/NDF:22.9/19

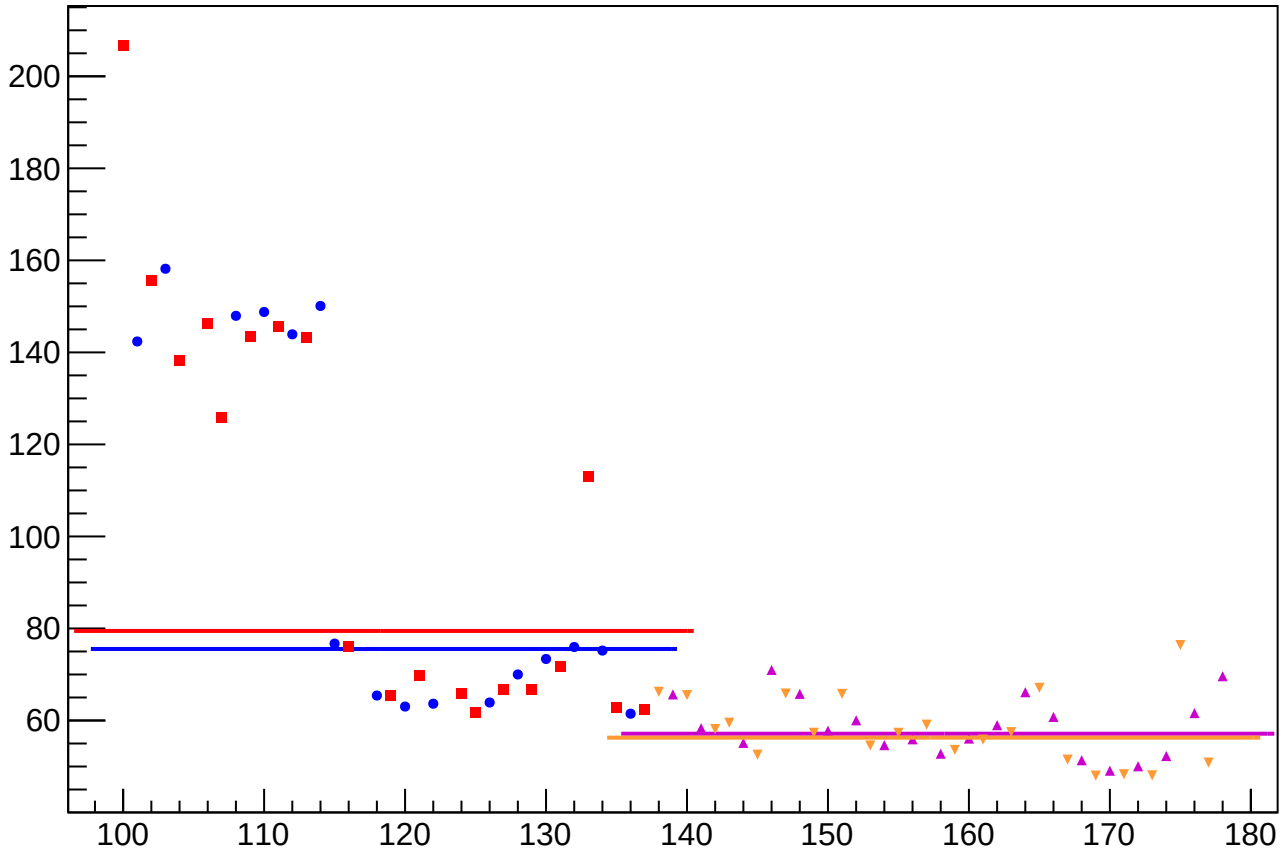
Left: 28.311+/-10.027 χ^2/NDF: 48.4/40

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 42.591+/-12.949 χ^2/NDF:42.6/35

Out: 19.781+/-12.777 χ^2/NDF:47.6/39

All: 31.034+/-9.095 χ^2/NDF: 91.7/75



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: 57.131+/-0.010 χ^2/NDF:337566.9/19

Left: 56.689+/-0.007 χ^2/NDF: 811232.5/40

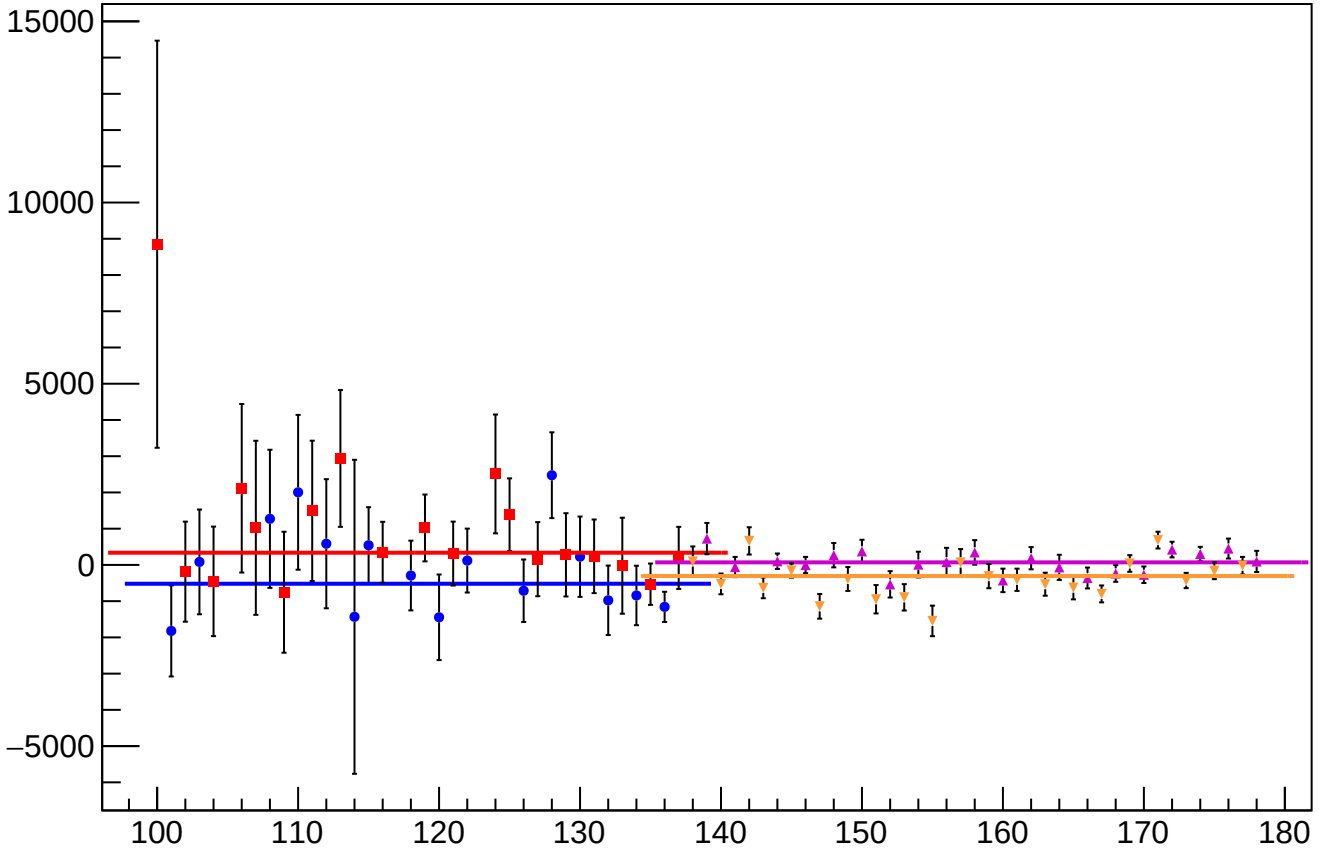
Right: 77.419+/-0.015 χ^2/NDF: 3165598.5/34

In: 60.582+/-0.009 χ^2/NDF:2419076.3/35

Out: 60.148+/-0.009 χ^2/NDF:3071341.0/39

All: 60.362+/-0.006 χ^2/NDF: 5491555.3/75

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: 70.298+/-61.978 χ^2/NDF:22.3/19

Left: -118.405+/-43.781 χ^2/NDF: 100.7/40

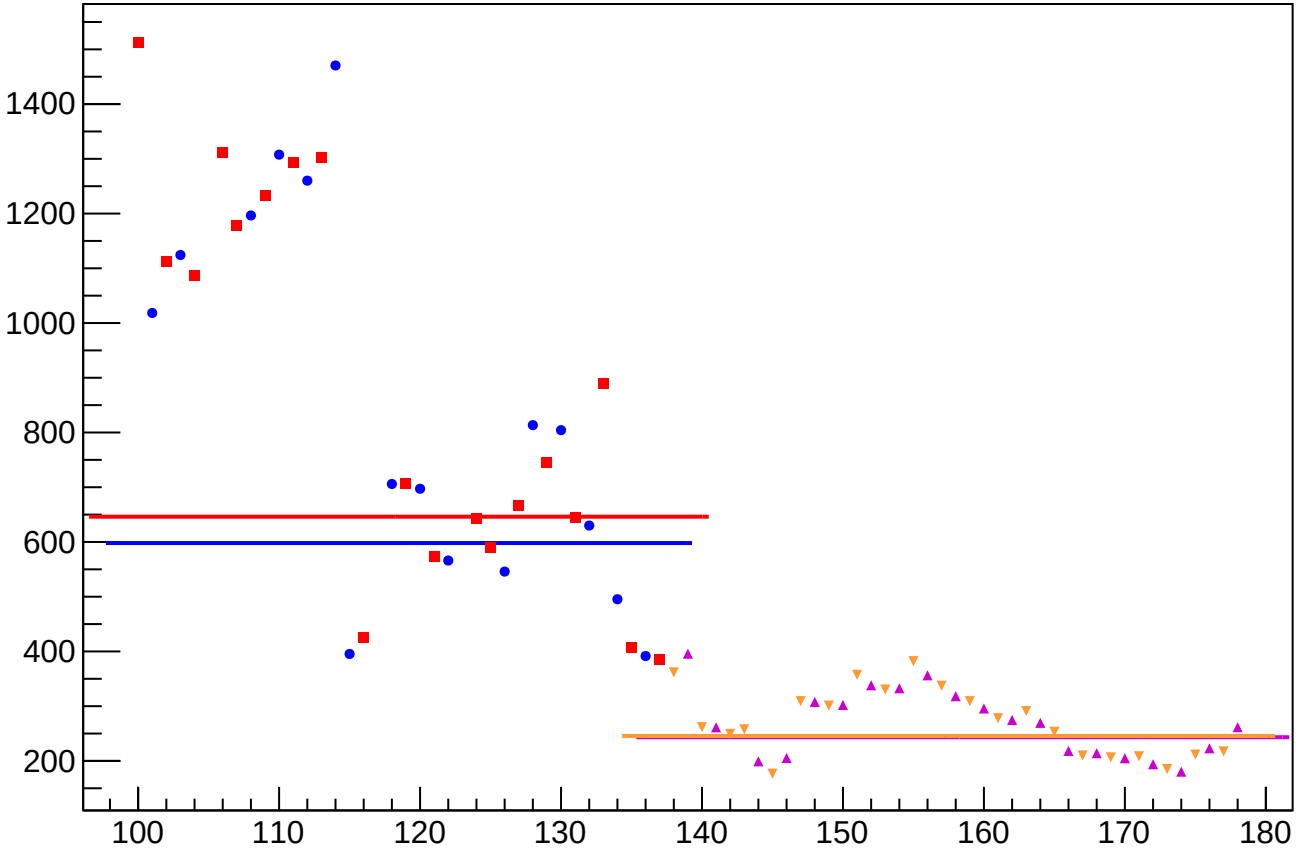
Right: -117.537+/-175.797 χ^2/NDF: 33.6/34

In: 33.816+/-60.029 χ^2/NDF:43.7/35

Out: -271.043+/-60.132 χ^2/NDF:77.7/39

All: -118.354+/-42.483 χ^2/NDF: 134.3/75

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: 243.258+/-0.044 χ^2/NDF:1586432.7/19

Left: 244.414+/-0.031 χ^2/NDF: 3261474.2/40

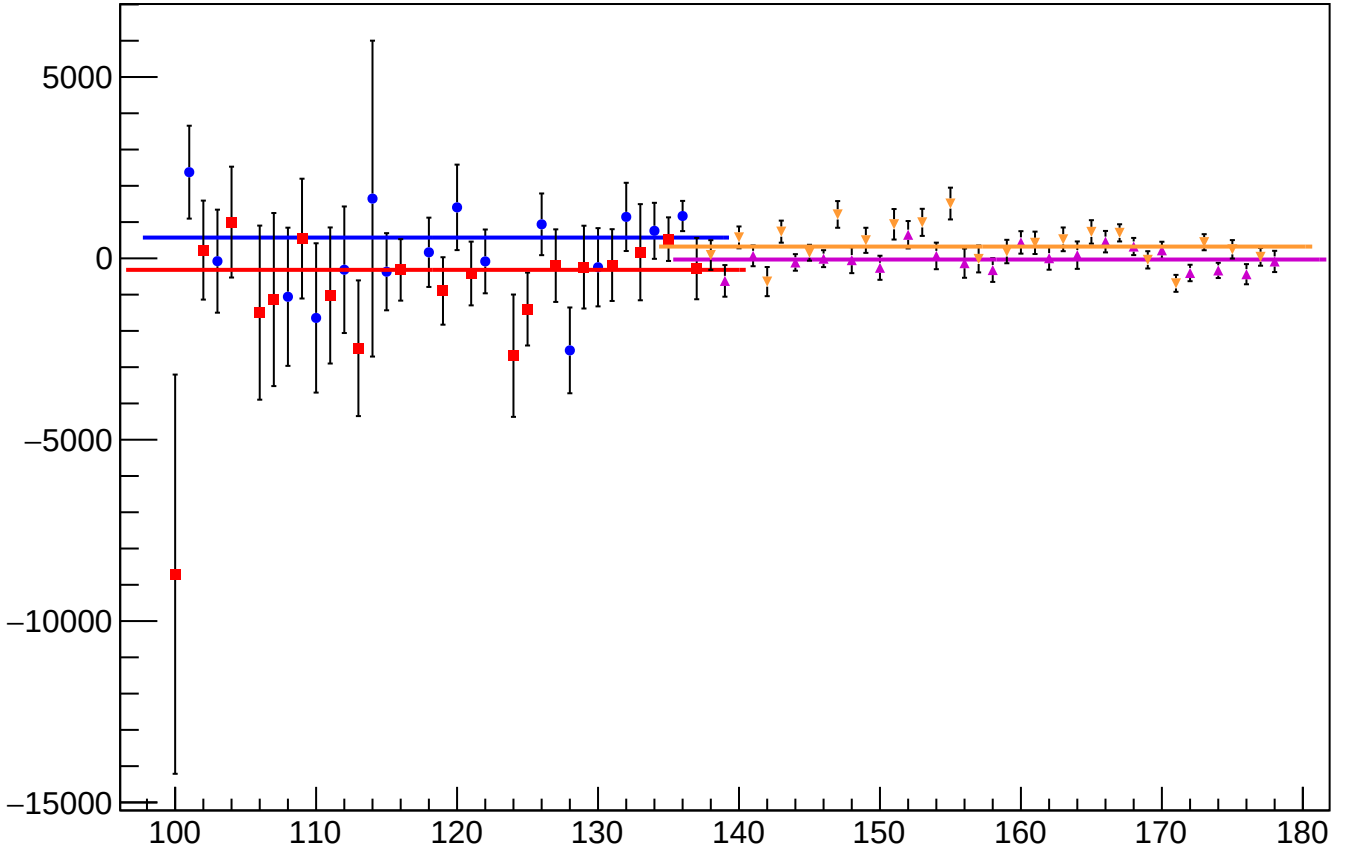
Right: 620.638+/-0.124 χ^2/NDF: 4290589.9/34

In: 265.213+/-0.042 χ^2/NDF:7689758.2/35

Out: 267.563+/-0.043 χ^2/NDF:8485931.0/39

All: 266.386+/-0.030 χ^2/NDF: 16177220.2/75

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: -32.084+/-64.152 χ^2/NDF:22.3/19

Left: 145.724+/-45.451 χ^2/NDF: 94.2/40

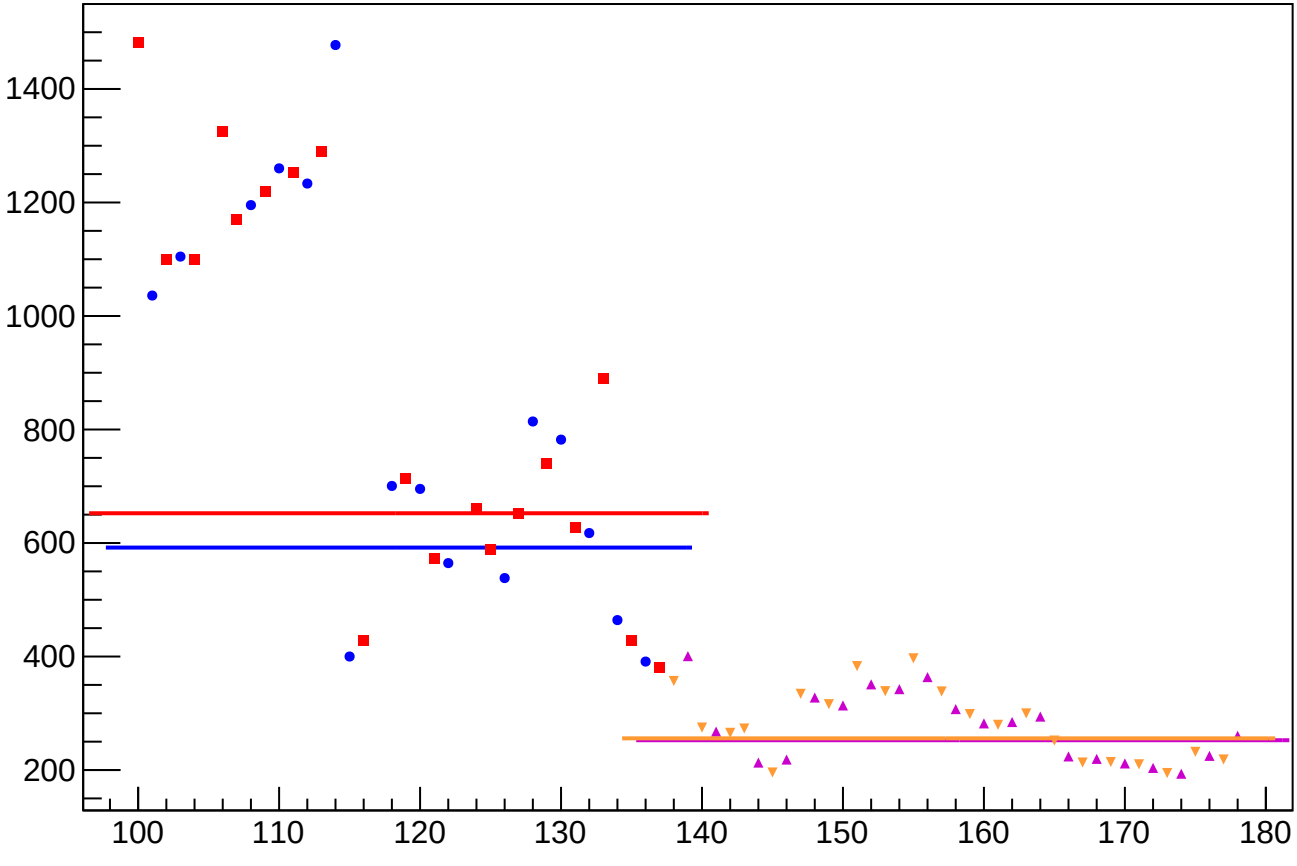
Right: 162.809+/-175.375 χ^2/NDF: 34.0/34

In: 8.631+/-61.957 χ^2/NDF:44.8/35

Out: 287.358+/-62.491 χ^2/NDF:73.3/39

All: 146.800+/-43.998 χ^2/NDF: 128.2/75

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: 252.548+/-0.045 χ^2/NDF:1410314.7/19

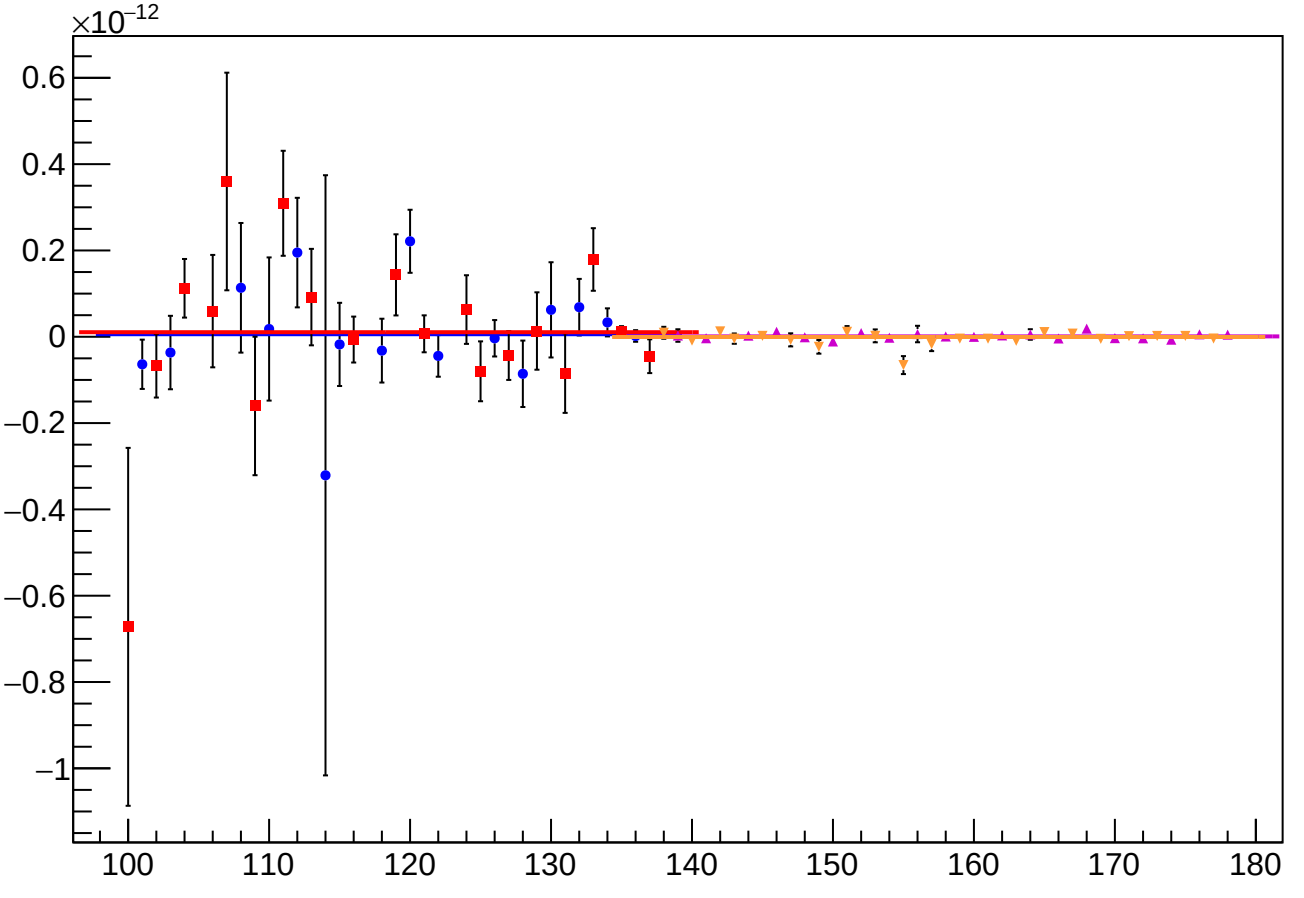
Left: 254.191+/-0.032 χ^2/NDF: 2942577.0/40

Right: 619.870+/-0.124 χ^2/NDF: 4184800.0/34

In: 275.374+/-0.044 χ^2/NDF:7211121.0/35

Out: 279.071+/-0.044 χ^2/NDF:8060953.5/39

All: 277.207+/-0.031 χ^2/NDF: 15275606.2/75



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:11.8/19

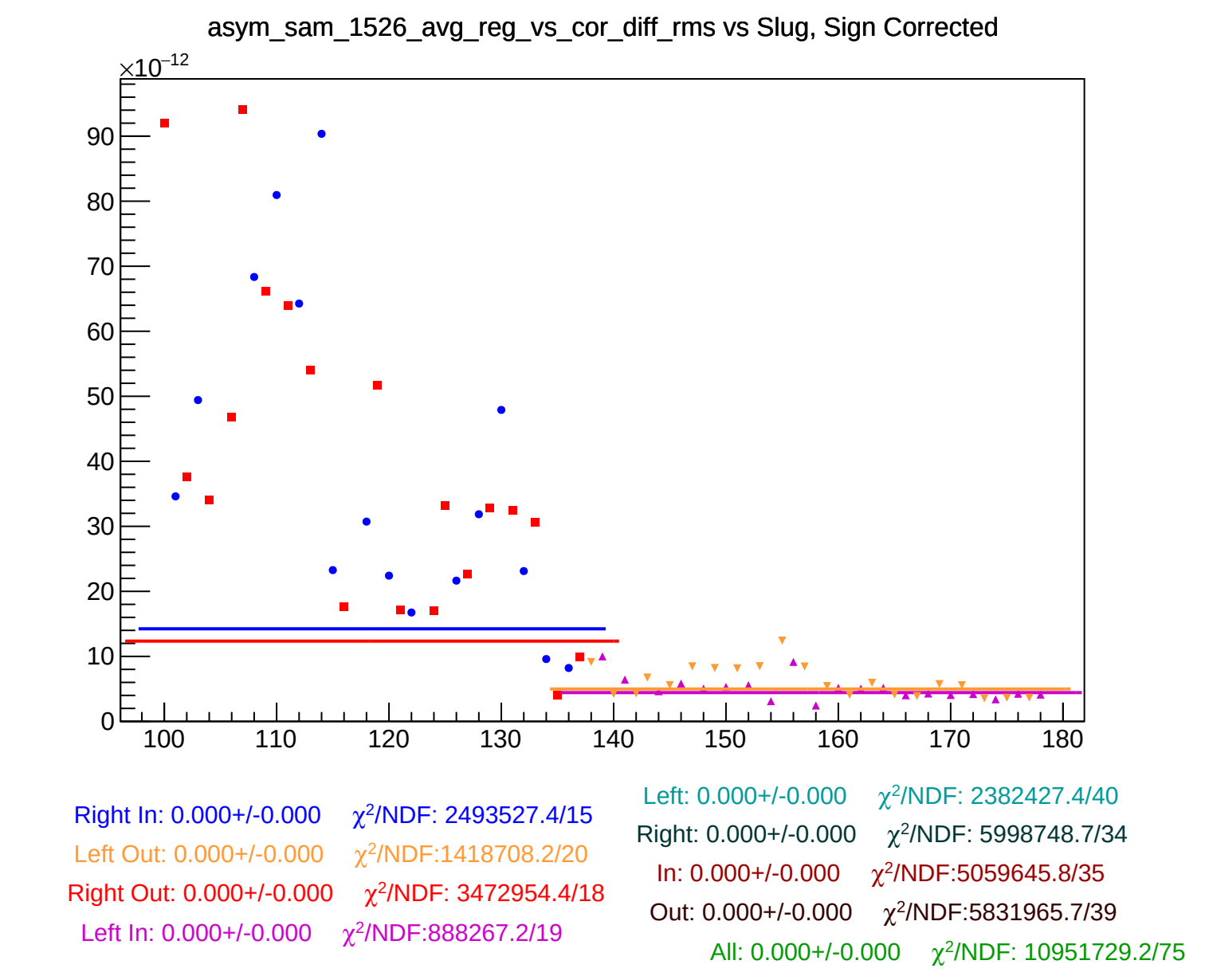
Left: 0.000+/-0.000 χ^2/NDF: 34.2/40

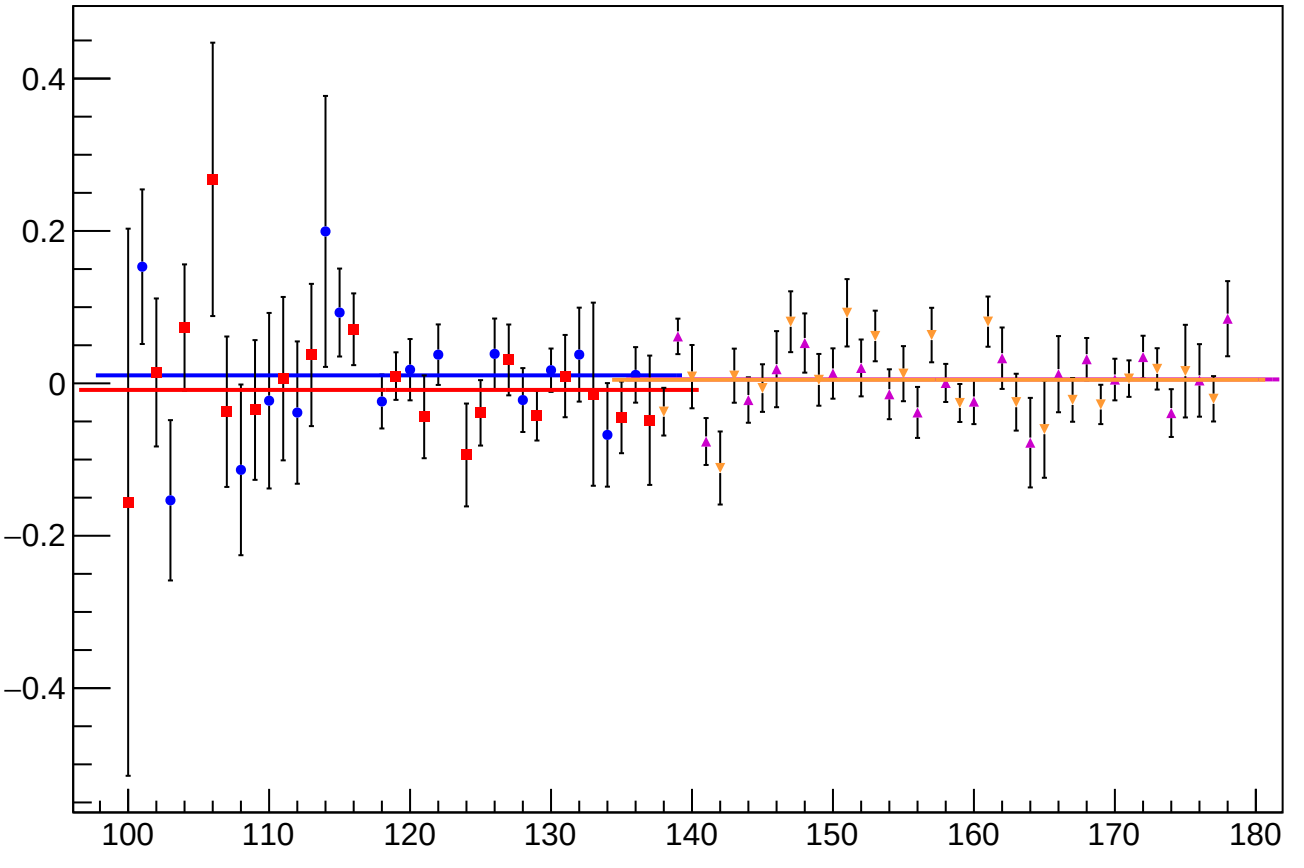
Right: 0.000+/-0.000 χ^2/NDF: 47.8/34

In: 0.000+/-0.000 χ^2/NDF:30.2/35

Out: -0.000+/-0.000 χ^2/NDF:52.7/39

All: 0.000+/-0.000 χ^2/NDF: 83.1/75


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:888267.2/19
Left: 0.000+/-0.000 χ²/NDF: 2382427.4/40
Right: 0.000+/-0.000 χ²/NDF: 5998748.7/34
In: 0.000+/-0.000 χ²/NDF:5059645.8/35
Out: 0.000+/-0.000 χ²/NDF:5831965.7/39
All: 0.000+/-0.000 χ²/NDF: 10951729.2/75



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: 0.005+/-0.007 χ^2/NDF:27.6/19

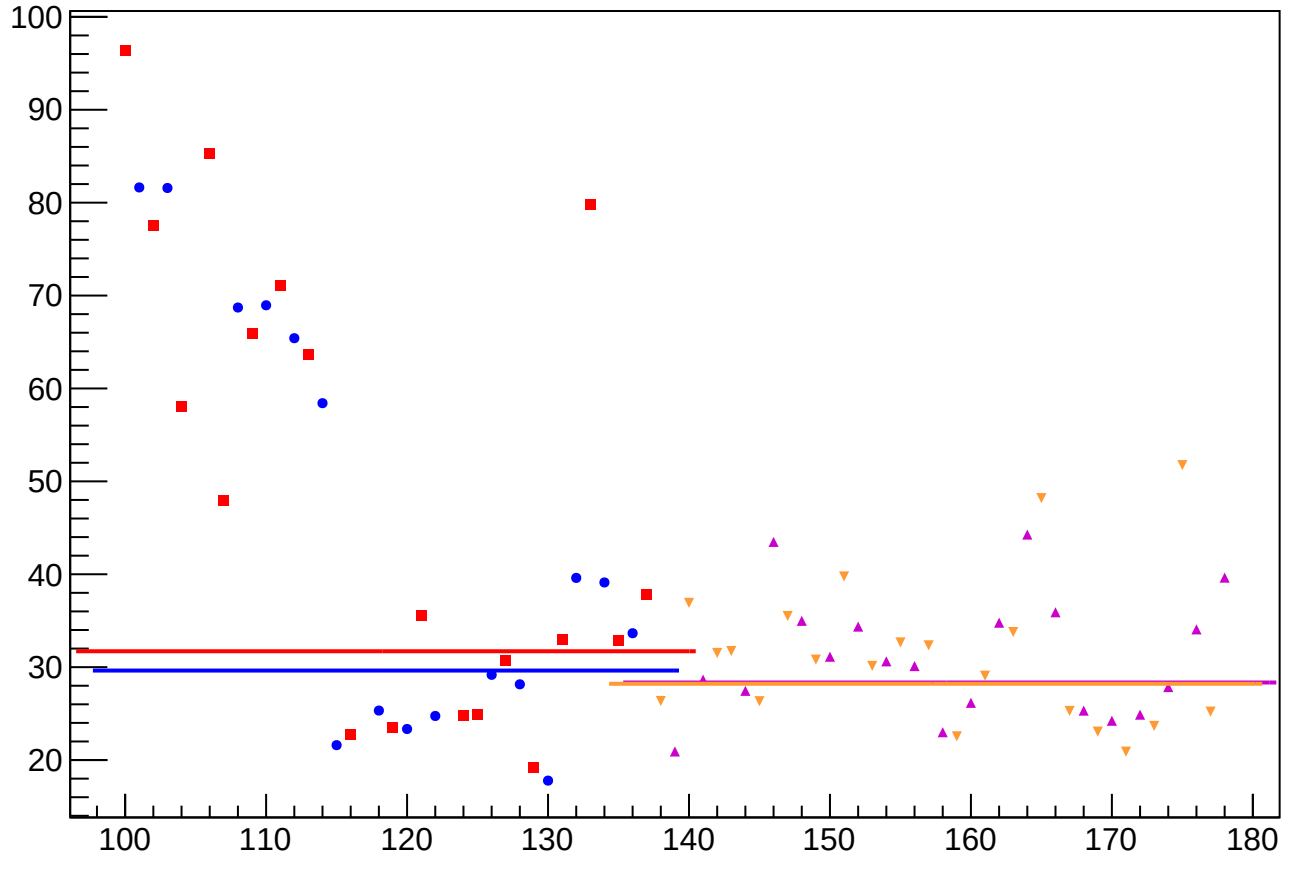
Left: 0.005+/-0.005 χ^2/NDF: 60.7/40

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.007+/-0.006 χ^2/NDF:40.9/35

Out: 0.002+/-0.006 χ^2/NDF:46.3/39

All: 0.004+/-0.004 χ^2/NDF: 87.5/75



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: 28.348+/-0.005 χ^2/NDF:1109227.2/19

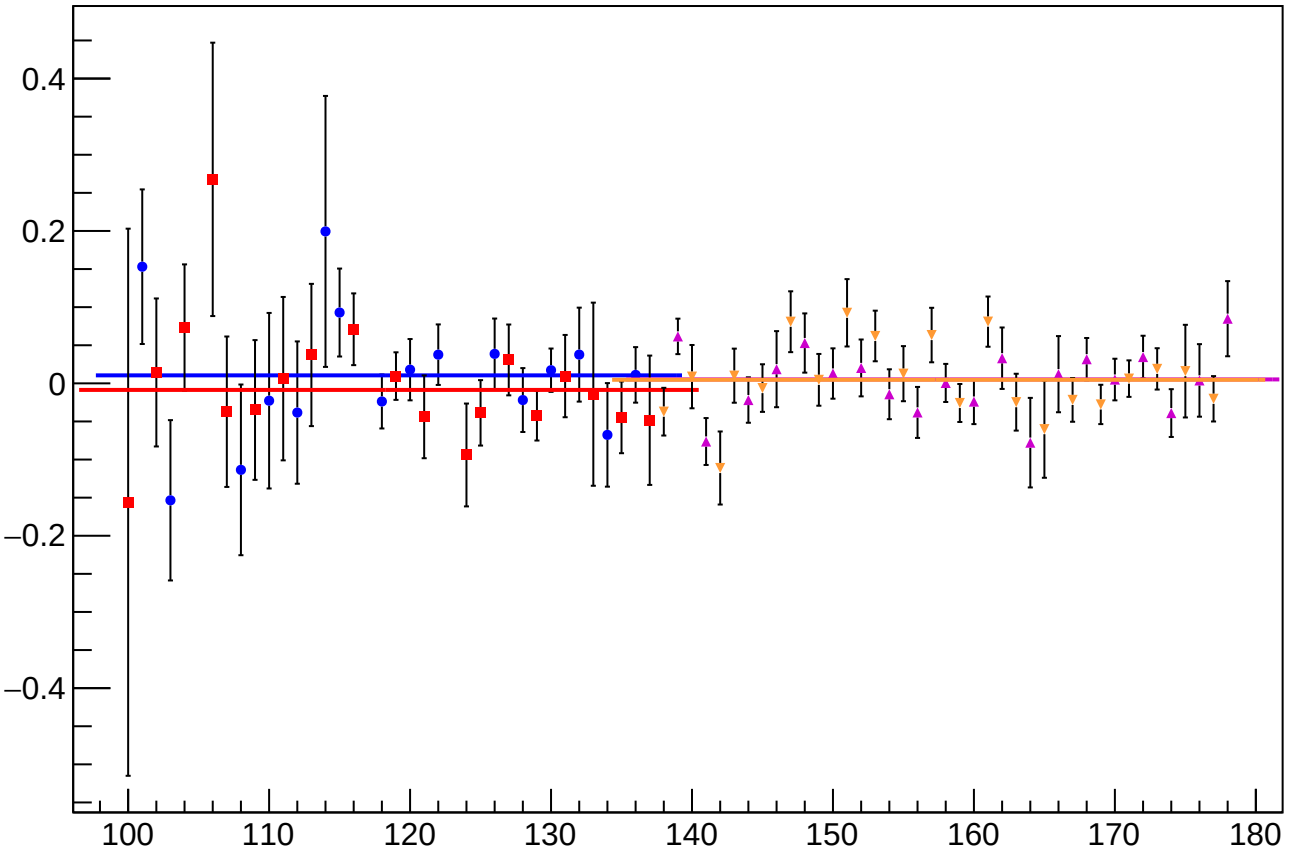
Left: 28.279+/-0.004 χ^2/NDF: 2527638.4/40

Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 28.678+/-0.004 χ^2/NDF:3573300.5/35

Out: 29.019+/-0.004 χ^2/NDF:4177100.9/39

All: 28.849+/-0.003 χ^2/NDF: 7753269.9/75



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: 0.005+/-0.007 χ^2/NDF:27.6/19

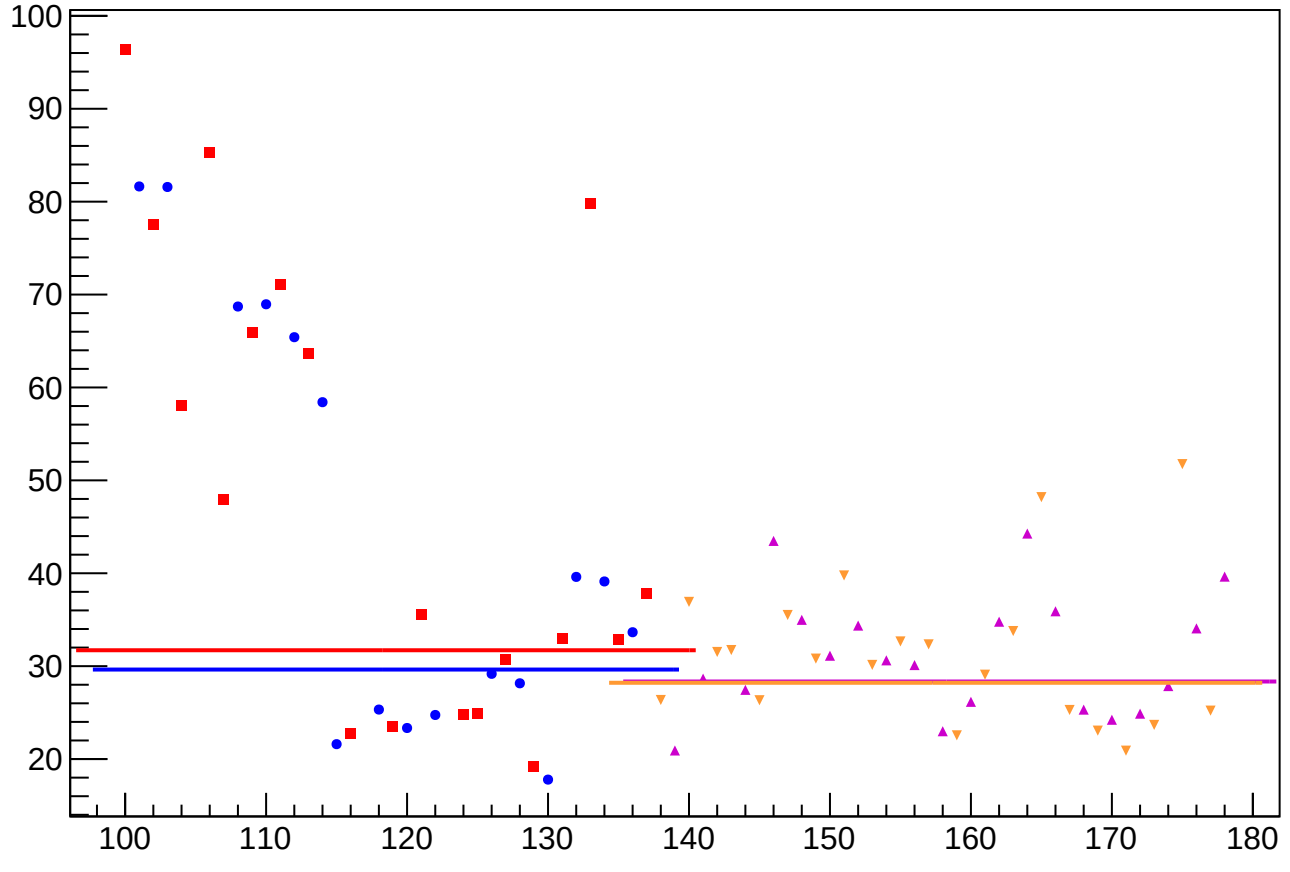
Left: 0.005+/-0.005 χ^2/NDF: 60.7/40

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.007+/-0.006 χ^2/NDF:40.9/35

Out: 0.002+/-0.006 χ^2/NDF:46.3/39

All: 0.004+/-0.004 χ^2/NDF: 87.5/75



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: 28.348+/-0.005 χ^2/NDF:1109227.2/19

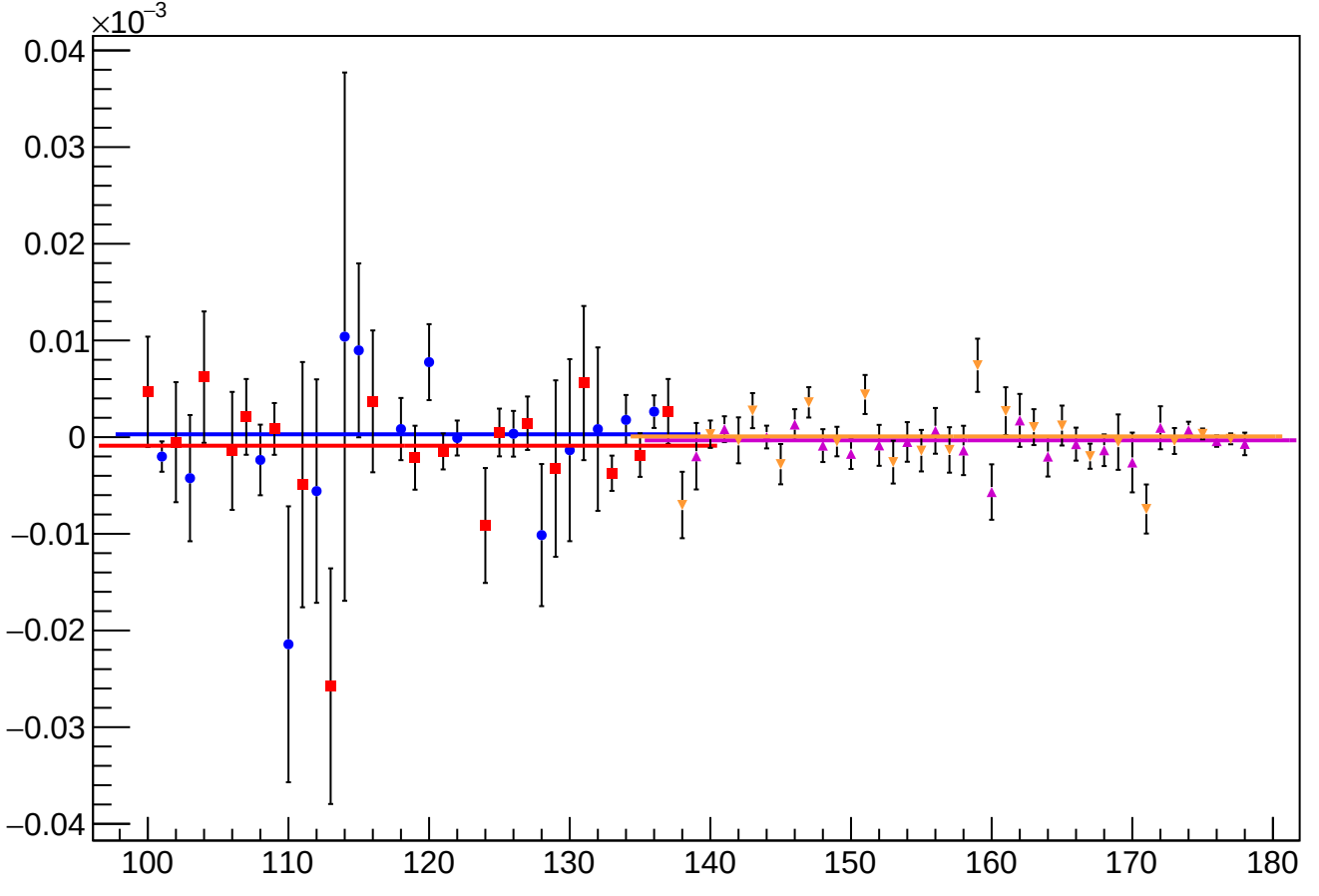
Left: 28.279+/-0.004 χ^2/NDF: 2527638.4/40

Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 28.678+/-0.004 χ^2/NDF:3573300.5/35

Out: 29.019+/-0.004 χ^2/NDF:4177100.9/39

All: 28.849+/-0.003 χ^2/NDF: 7753269.9/75



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:10.9/19

Left: -0.000+/-0.000 χ^2/NDF: 52.8/40

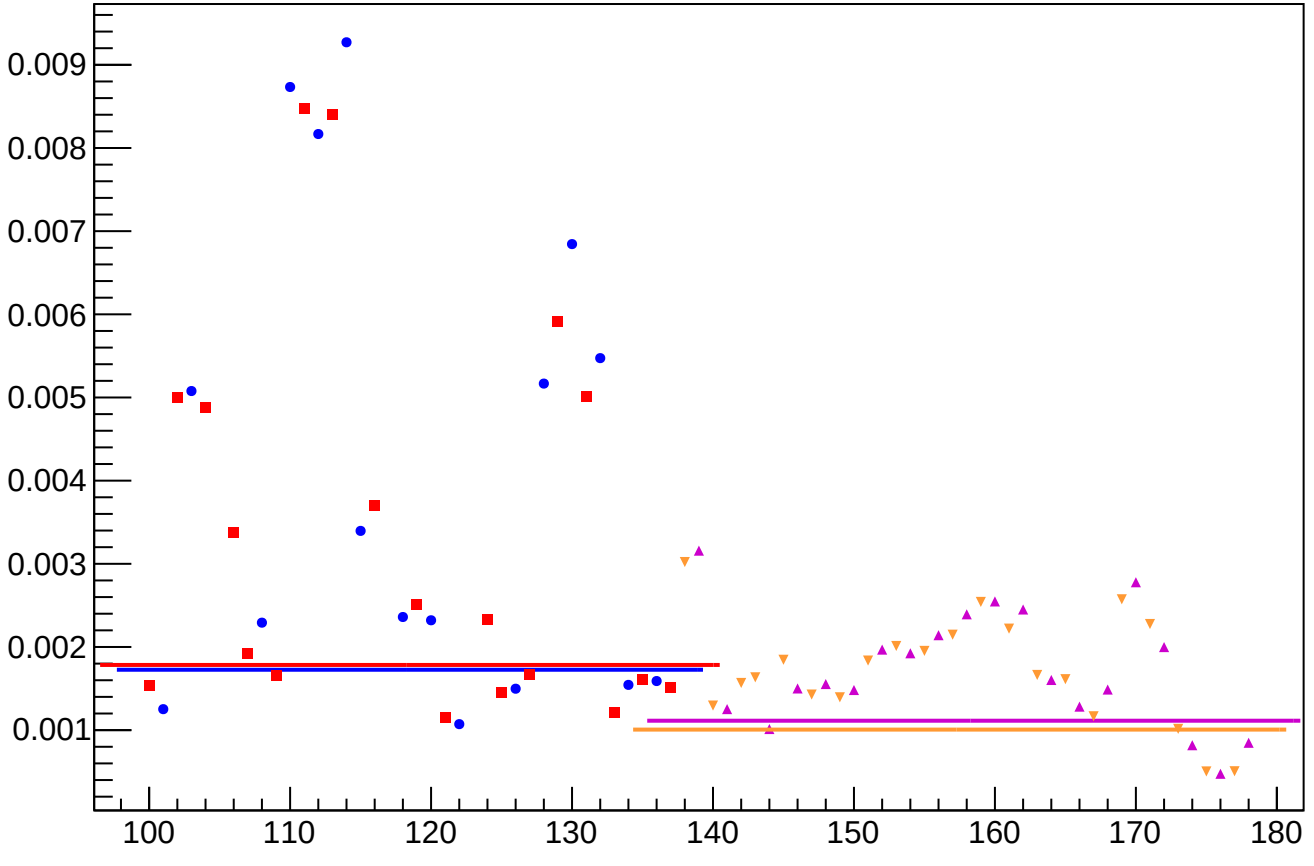
Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:26.3/35

Out: -0.000+/-0.000 χ^2/NDF:57.8/39

All: -0.000+/-0.000 χ^2/NDF: 84.3/75

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:7430689.2/19

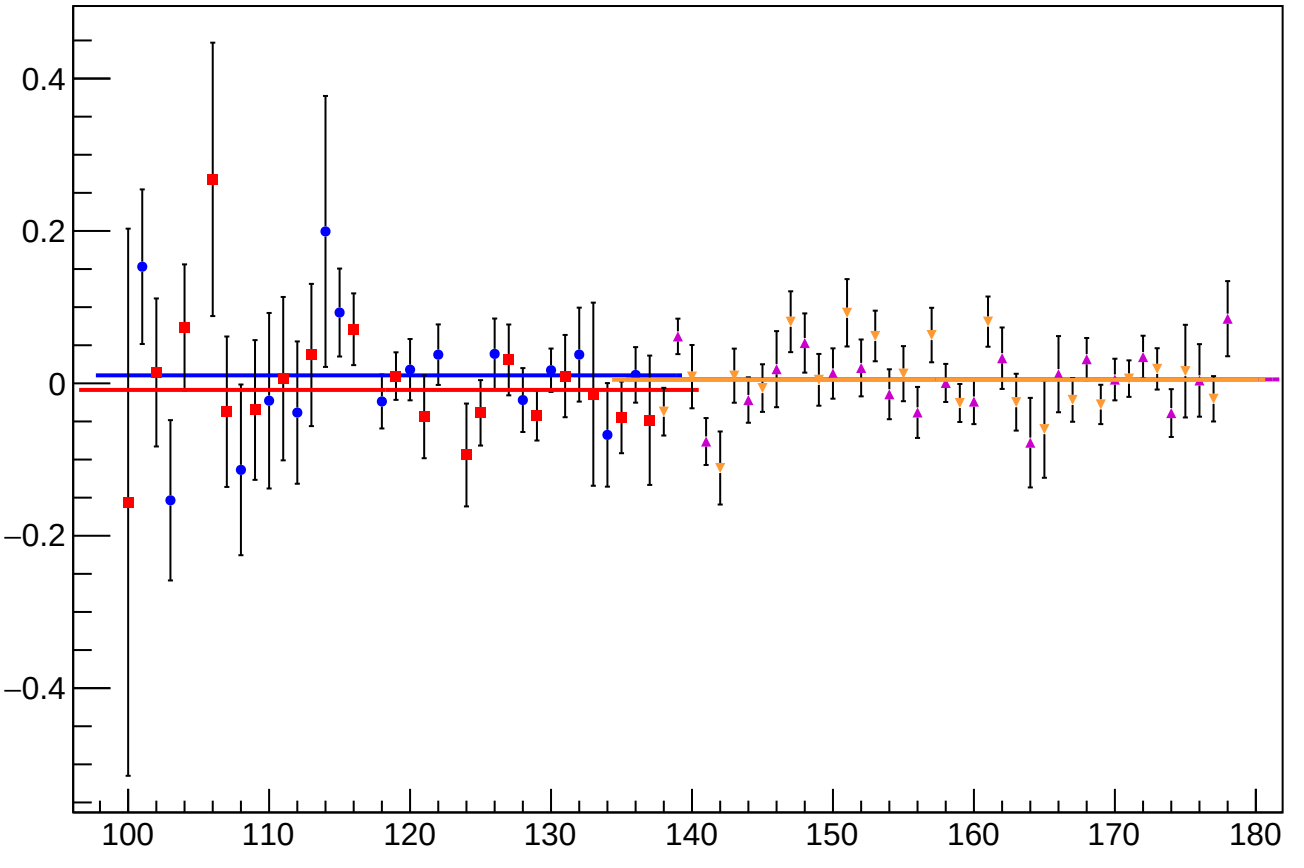
Left: 0.001+/-0.000 χ^2/NDF: 16731967.5/40

Right: 0.002+/-0.000 χ^2/NDF: 7656643.6/34

In: 0.001+/-0.000 χ^2/NDF:12462505.8/35

Out: 0.001+/-0.000 χ^2/NDF:14653924.9/39

All: 0.001+/-0.000 χ^2/NDF: 27242391.9/75



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: 0.005+/-0.007 χ^2/NDF:27.6/19

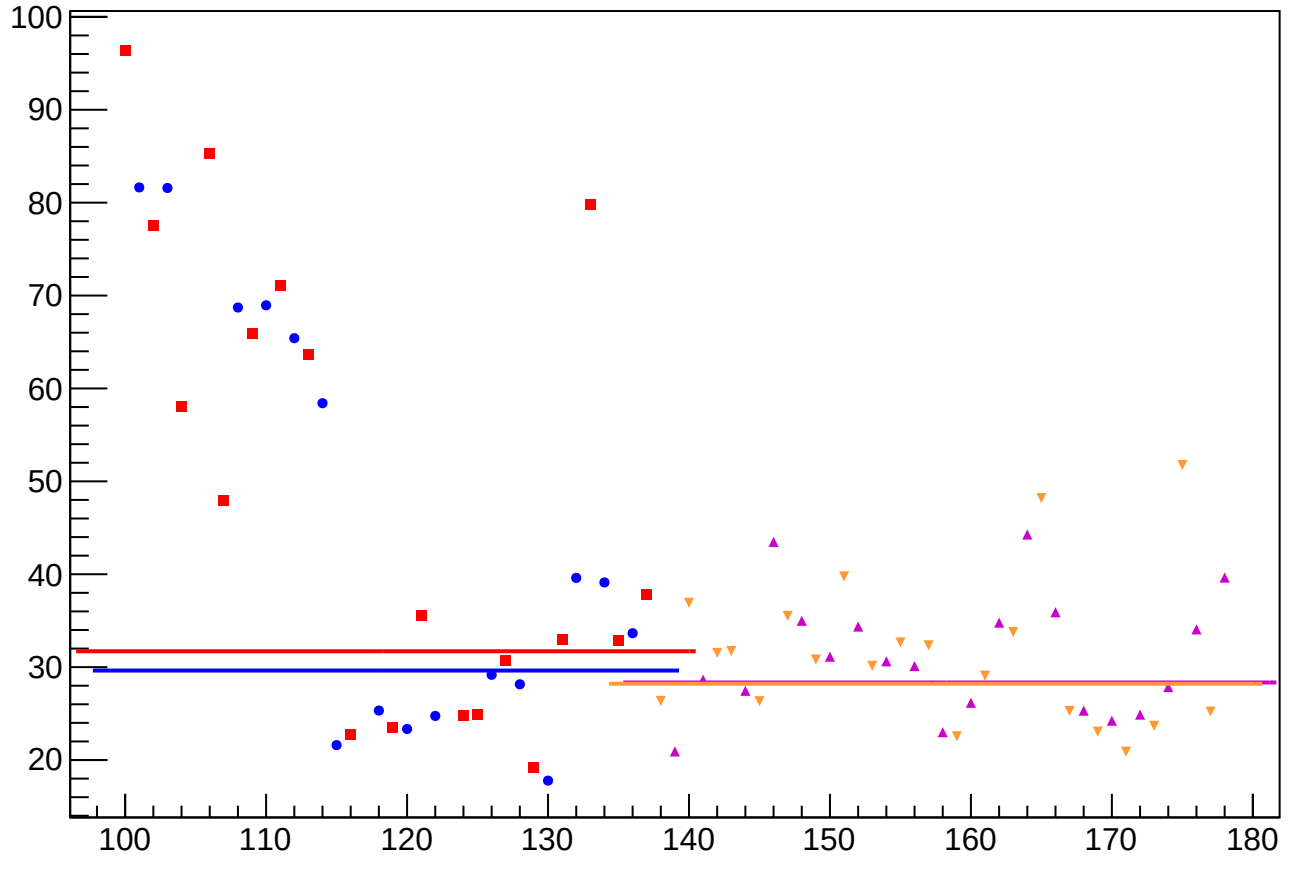
Left: 0.005+/-0.005 χ^2/NDF: 60.7/40

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.007+/-0.006 χ^2/NDF:40.9/35

Out: 0.002+/-0.006 χ^2/NDF:46.3/39

All: 0.004+/-0.004 χ^2/NDF: 87.5/75



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: 28.348+/-0.005 χ^2/NDF:1109220.6/19

Left: 28.279+/-0.004 χ^2/NDF: 2527671.7/40

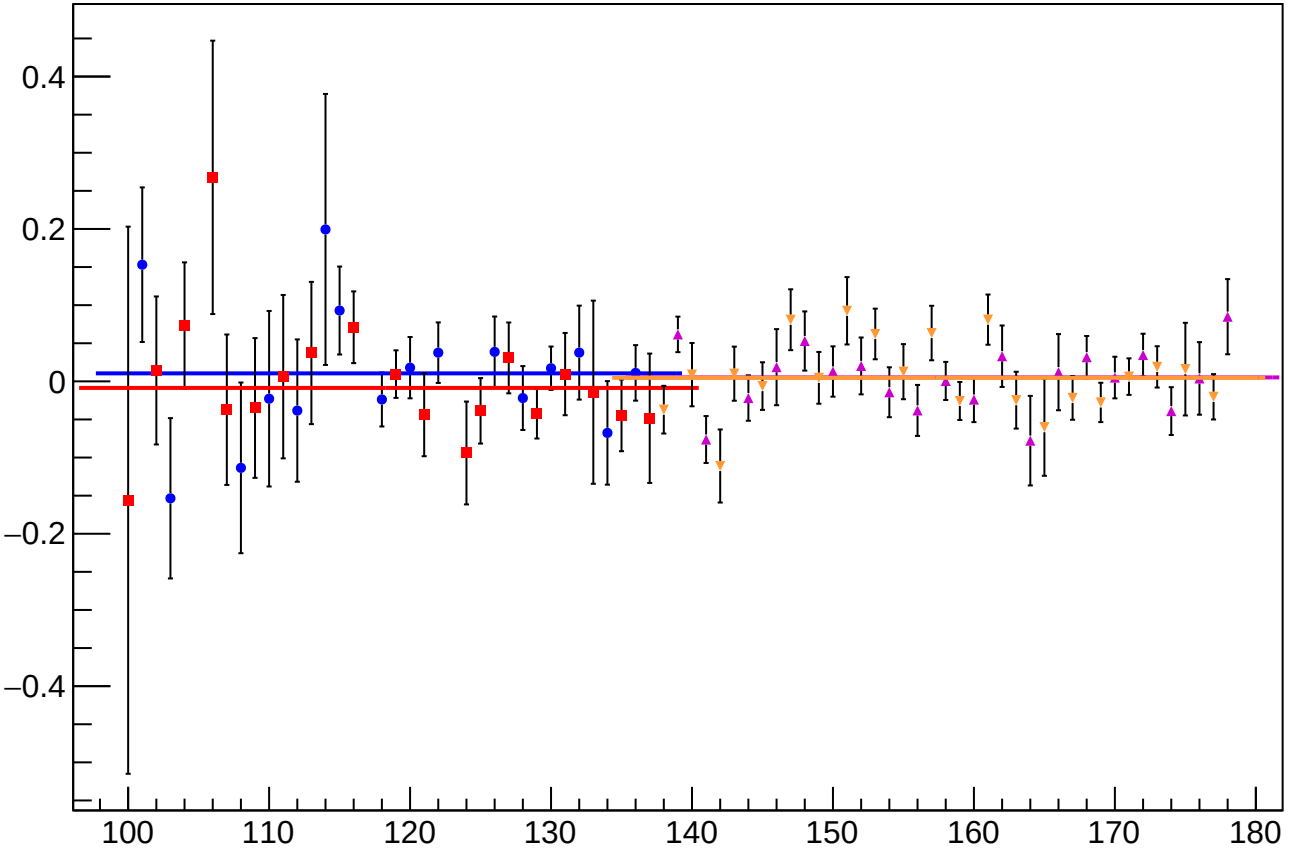
Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

In: 28.678+/-0.004 χ^2/NDF:3573457.7/35

Out: 29.019+/-0.004 χ^2/NDF:4177224.6/39

All: 28.848+/-0.003 χ^2/NDF: 7753549.1/75

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.007 χ^2/NDF:33.1/20

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.005+/-0.007 χ^2/NDF:27.6/19

Left: 0.005+/-0.005 χ^2/NDF: 60.7/40

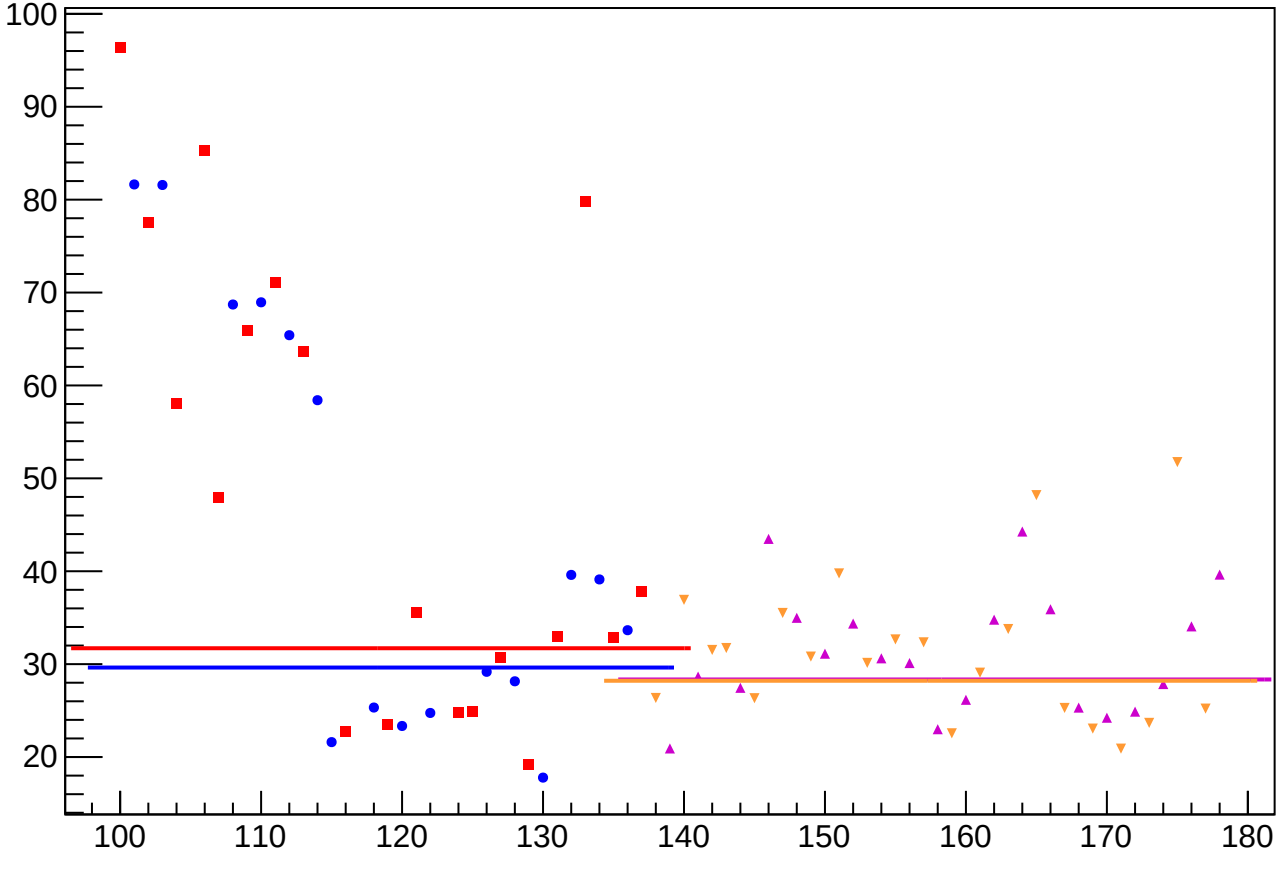
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.007+/-0.006 χ^2/NDF:40.9/35

Out: 0.002+/-0.006 χ^2/NDF:46.3/39

All: 0.004+/-0.004 χ^2/NDF: 87.5/75

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 28.211+/-0.005 χ^2/NDF:1418099.6/20

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 28.348+/-0.005 χ^2/NDF:1109220.6/19

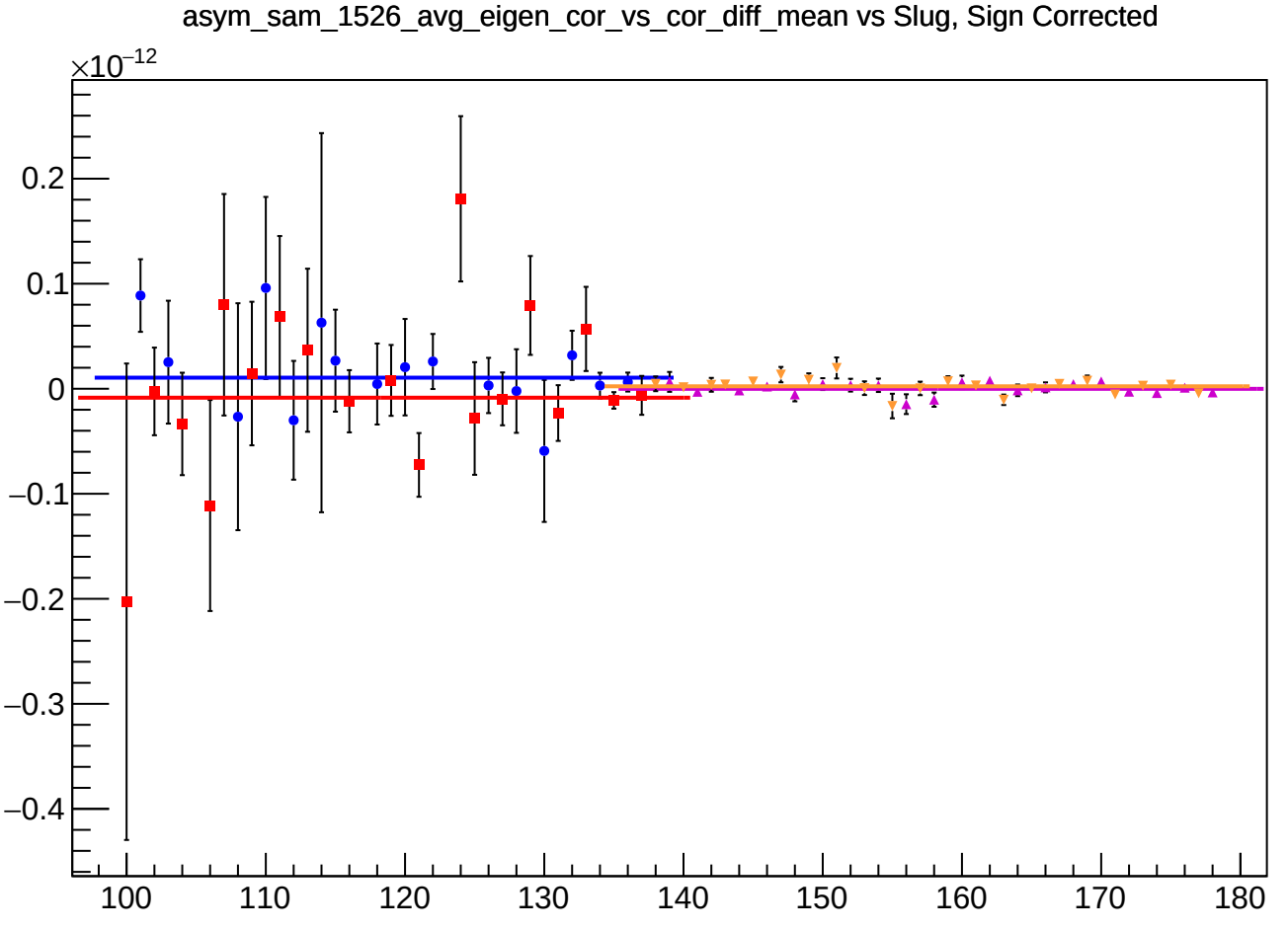
Left: 28.279+/-0.004 χ^2/NDF: 2527671.7/40

Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

In: 28.678+/-0.004 χ^2/NDF:3573457.7/35

Out: 29.019+/-0.004 χ^2/NDF:4177224.6/39

All: 28.848+/-0.003 χ^2/NDF: 7753549.1/75



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:18.0/19

Left: 0.000+/-0.000 χ^2/NDF: 47.0/40

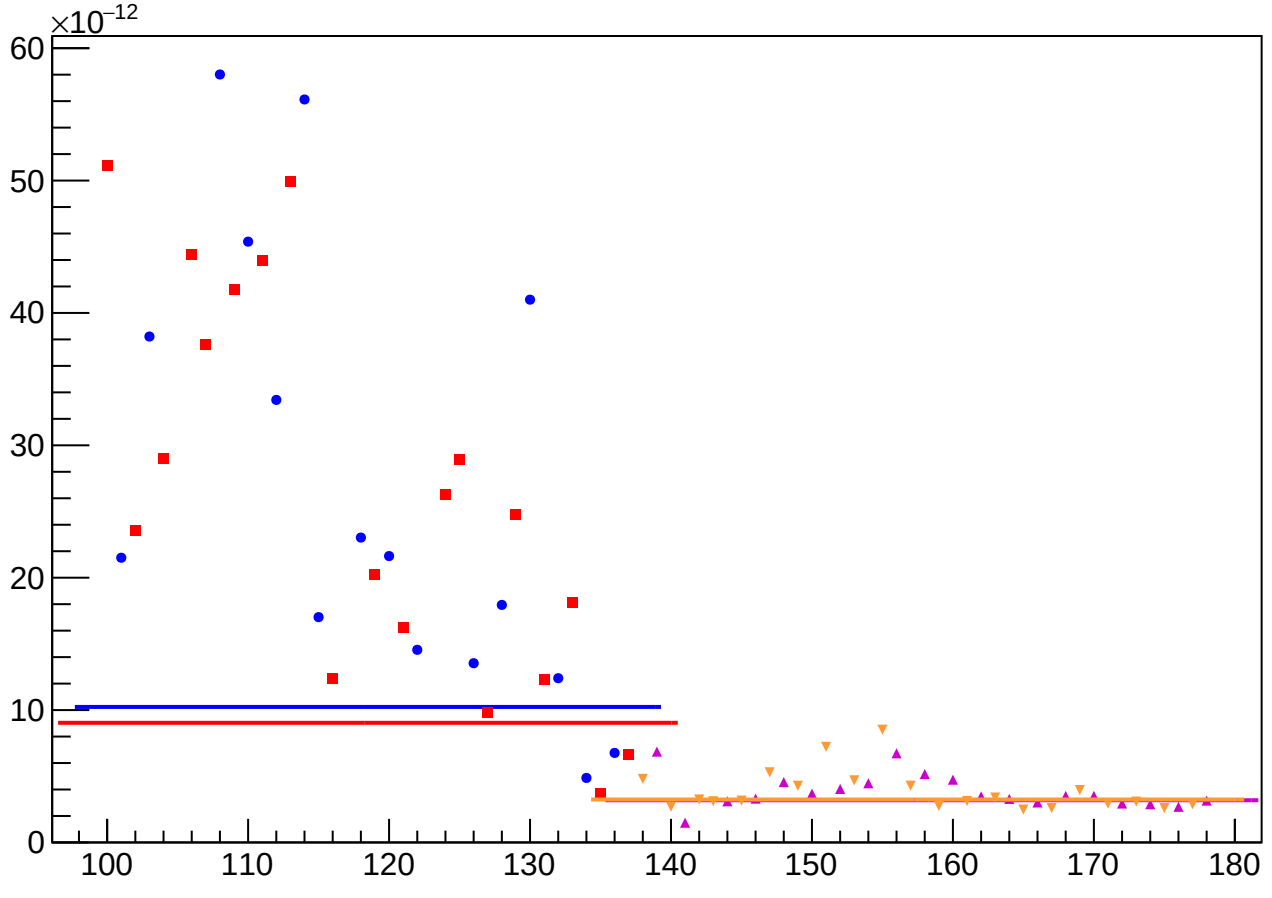
Right: 0.000+/-0.000 χ^2/NDF: 36.6/34

In: 0.000+/-0.000 χ^2/NDF:31.1/35

Out: 0.000+/-0.000 χ^2/NDF:51.0/39

All: 0.000+/-0.000 χ^2/NDF: 83.6/75

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:1975635.6/19

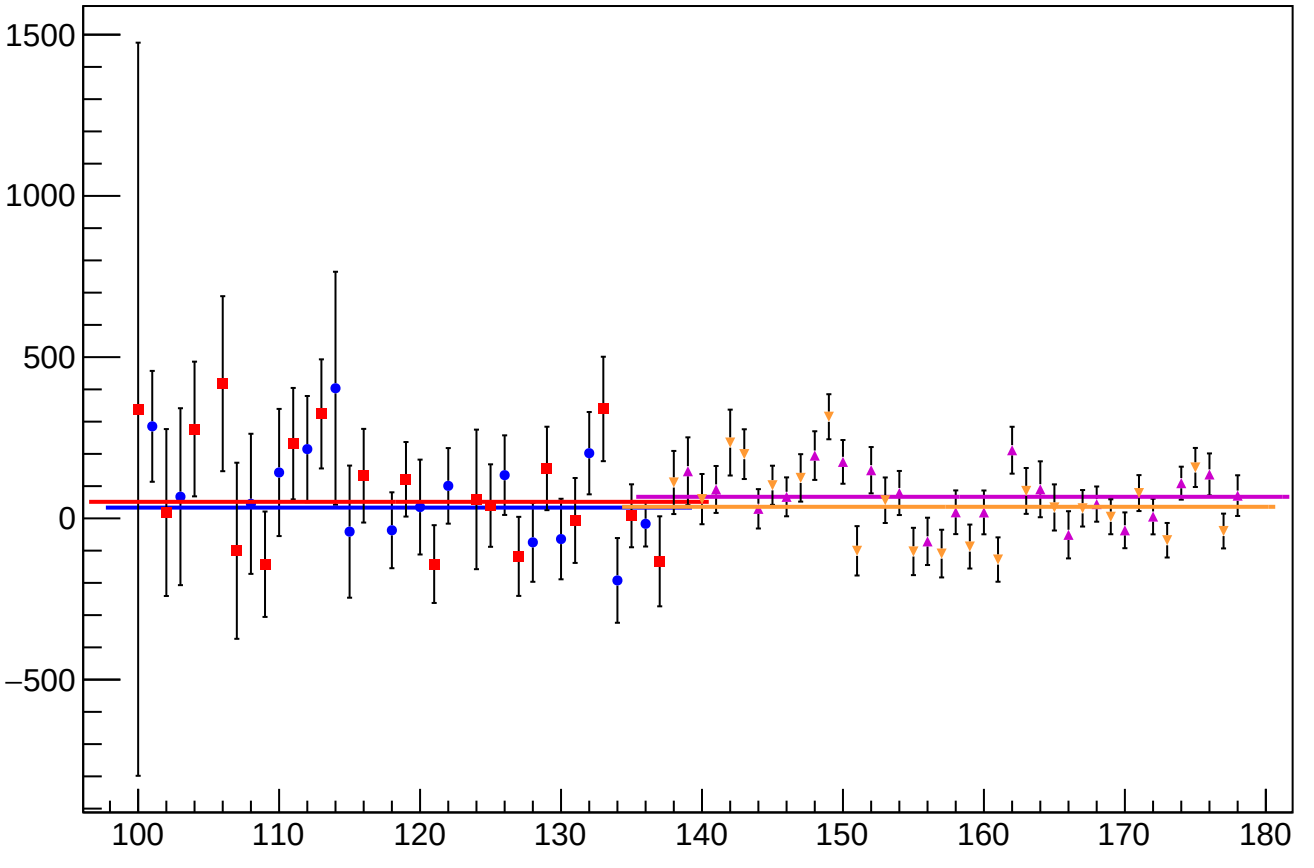
Left: 0.000+/-0.000 χ^2/NDF: 3503173.7/40

Right: 0.000+/-0.000 χ^2/NDF: 8066534.1/34

In: 0.000+/-0.000 χ^2/NDF:8167305.9/35

Out: 0.000+/-0.000 χ^2/NDF:7893286.5/39

All: 0.000+/-0.000 χ^2/NDF: 16061114.4/75



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: 66.906+/-14.728 χ^2/NDF:25.7/19

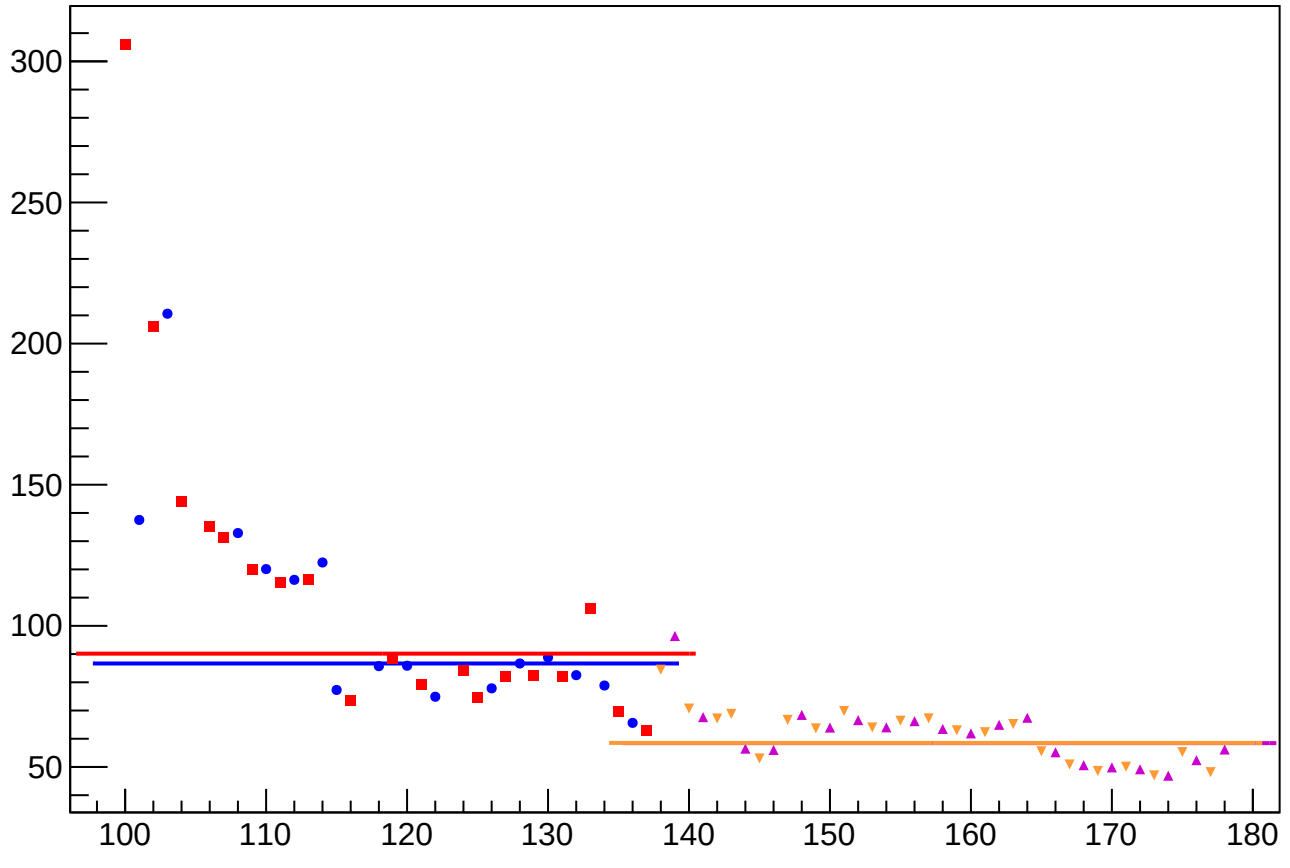
Left: 51.265+/-10.367 χ^2/NDF: 86.3/40

Right: 42.130+/-24.293 χ^2/NDF: 32.5/34

In: 61.585+/-13.507 χ^2/NDF:39.3/35

Out: 38.207+/-13.463 χ^2/NDF:78.1/39

All: 49.858+/-9.535 χ^2/NDF: 119.0/75



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: 58.447+/-0.010 χ^2/NDF:732855.9/19

Left: 58.482+/-0.007 χ^2/NDF: 1487415.6/40

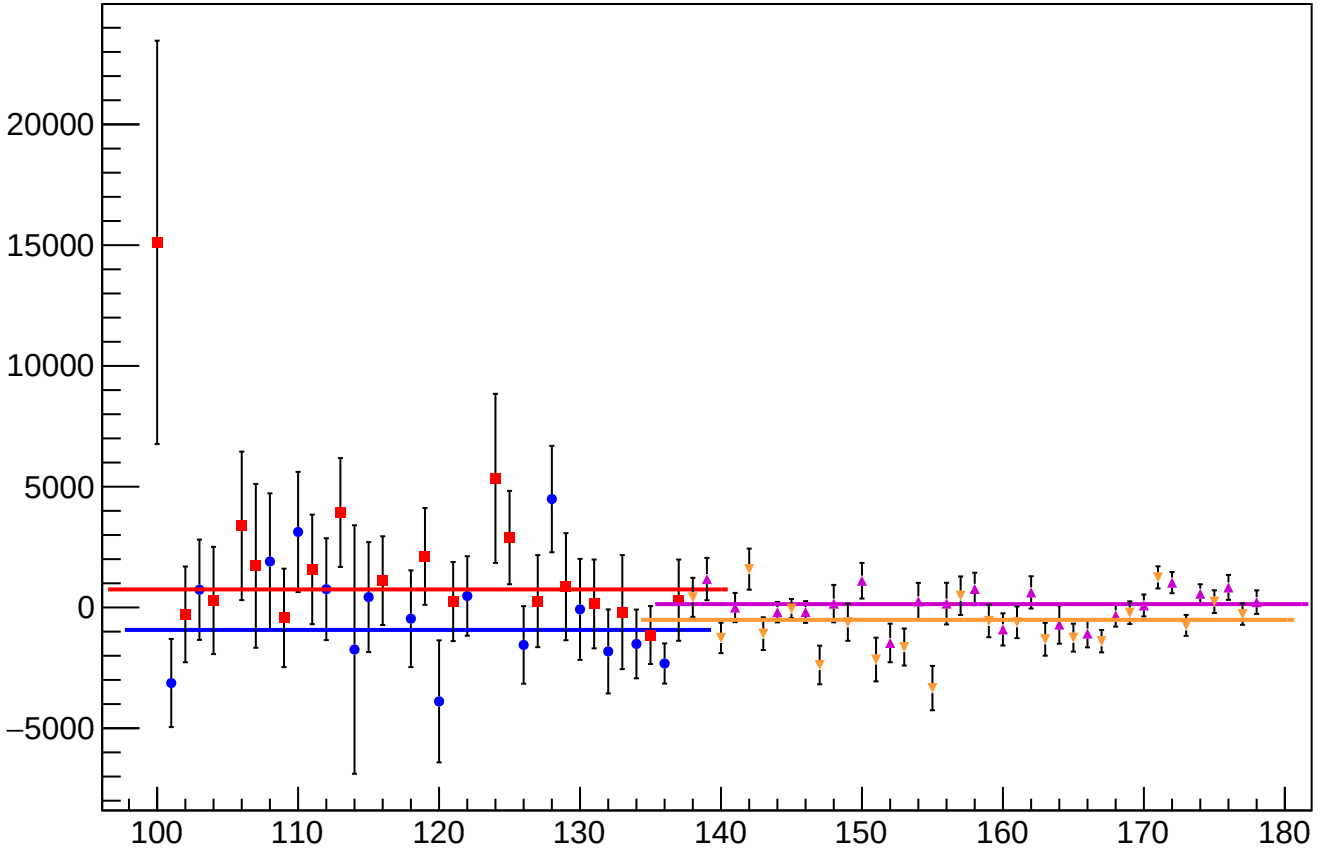
Right: 88.360+/-0.017 χ^2/NDF: 2199082.5/34

In: 62.932+/-0.010 χ^2/NDF:2938553.0/35

Out: 63.237+/-0.010 χ^2/NDF:3306676.4/39

All: 63.085+/-0.007 χ^2/NDF: 6245740.2/75

asym_sam_3726_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -511.683+/-127.403 χ^2/NDF:57.9/20

Right Out: 747.199+/-467.902 χ^2/NDF: 13.0/18

Left In: 138.287+/-125.711 χ^2/NDF:26.2/19

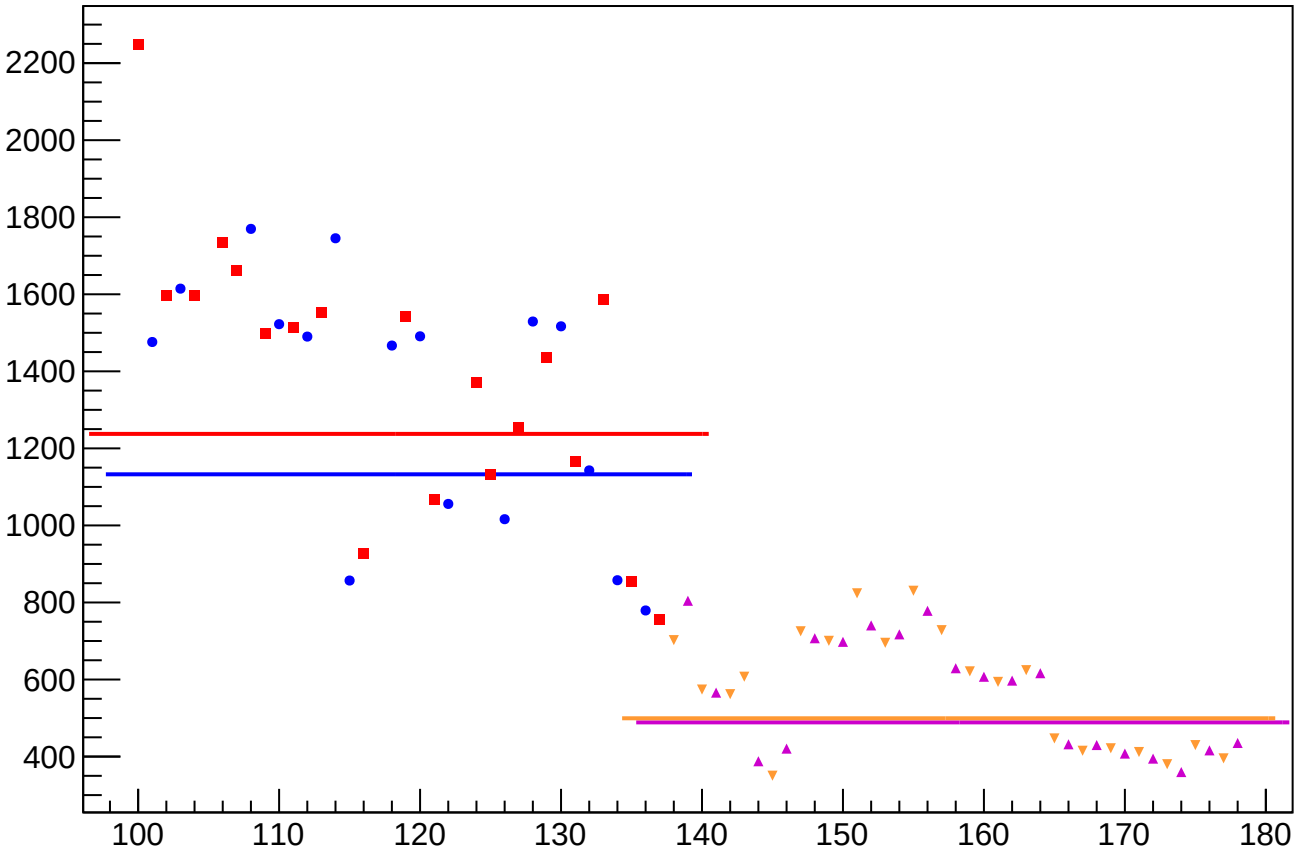
Left: -182.354+/-89.483 χ^2/NDF: 97.3/40

Right: -141.108+/-320.882 χ^2/NDF: 38.3/34

In: 57.981+/-120.893 χ^2/NDF:50.1/35

Out: -424.793+/-122.927 χ^2/NDF:77.7/39

All: -179.378+/-86.194 χ^2/NDF: 135.6/75



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: 488.770+/-0.089 χ^2/NDF:2118097.0/19

Left: 494.008+/-0.063 χ^2/NDF: 4427300.3/40

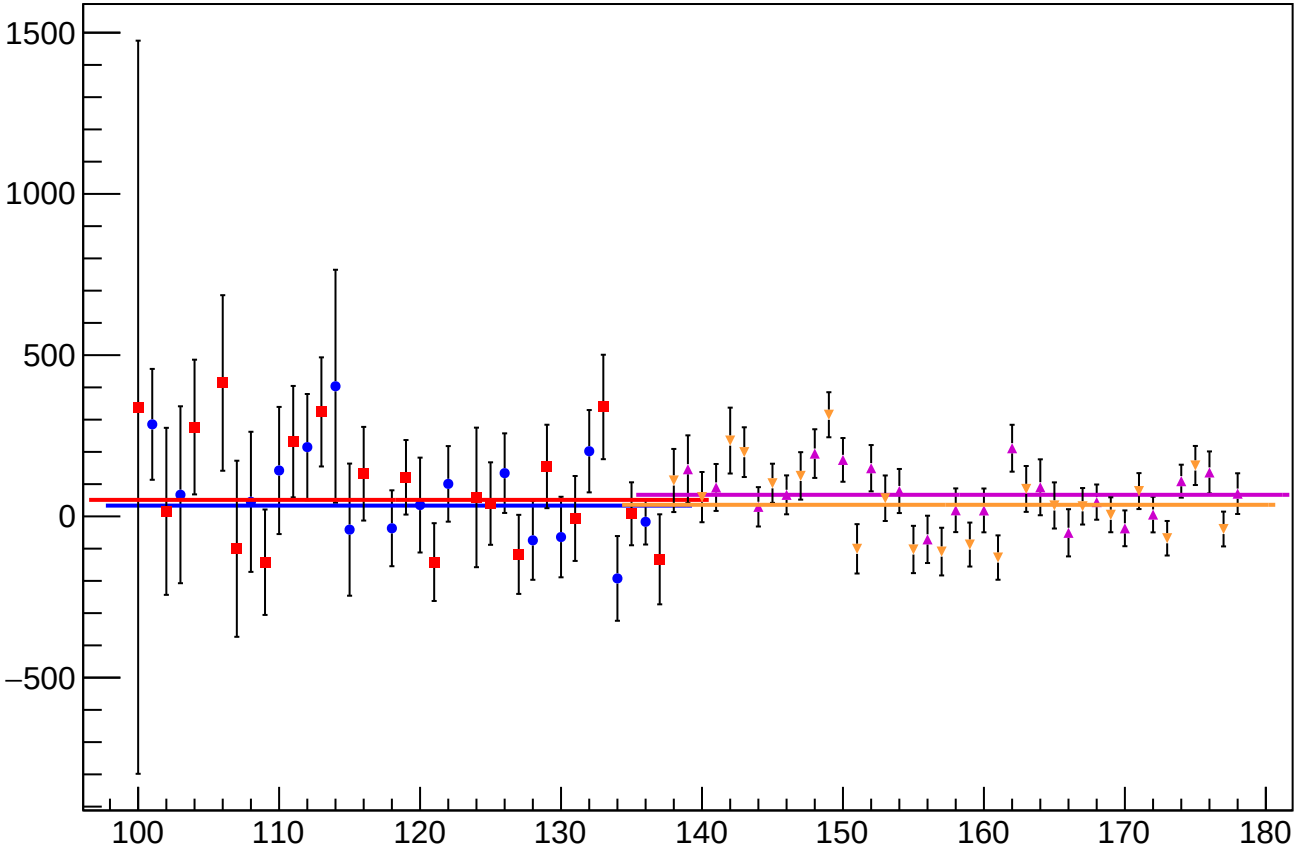
Right: 1182.025+/-0.227 χ^2/NDF: 2072715.6/34

In: 537.184+/-0.085 χ^2/NDF:7187538.3/35

Out: 550.339+/-0.087 χ^2/NDF:7832075.6/39

All: 543.652+/-0.061 χ^2/NDF: 15031258.3/75

cor_asym_sam_3726_avg_mean vs Slug, Sign Corrected



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: 66.904+/-14.728 χ^2/NDF:25.7/19

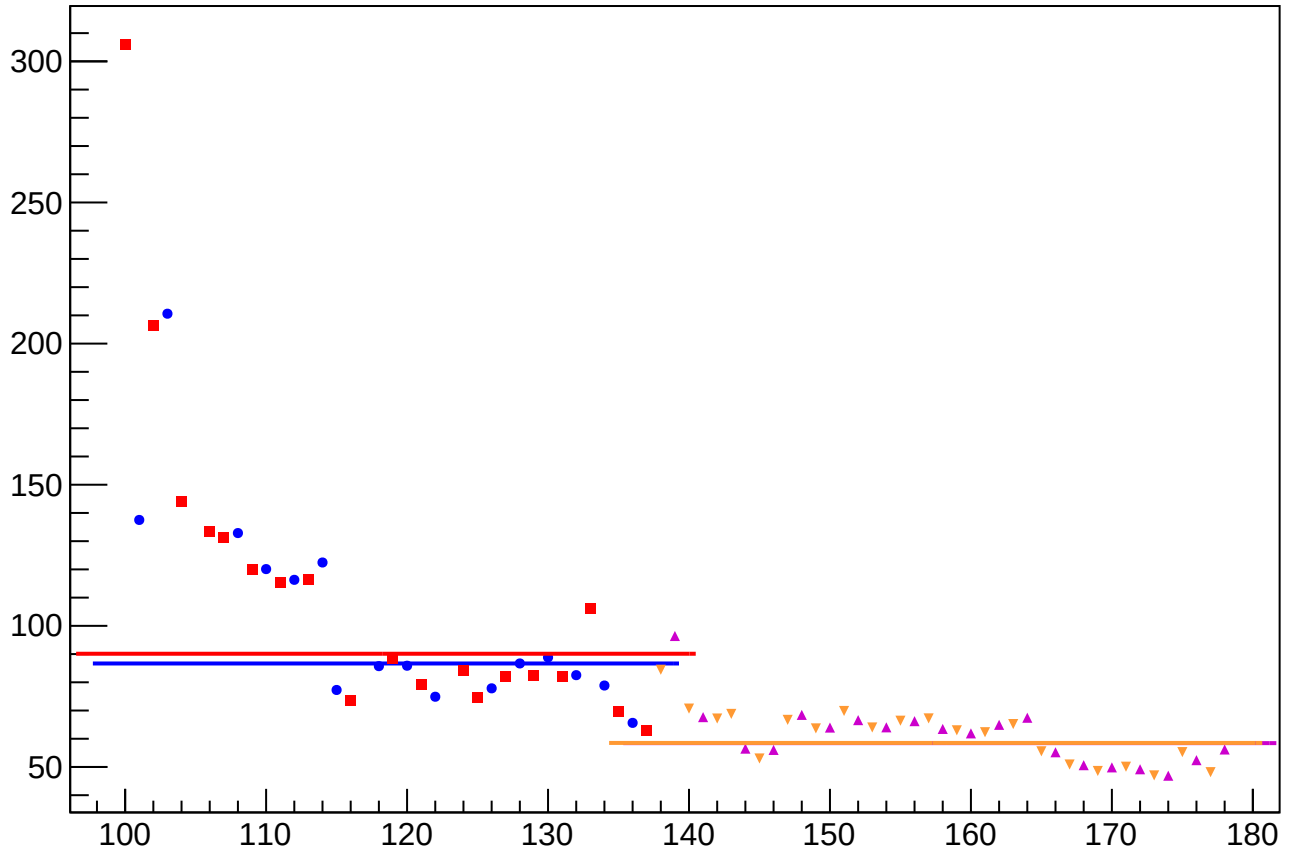
Left: 51.265+/-10.367 χ^2/NDF: 86.3/40

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 61.583+/-13.507 χ^2/NDF:39.3/35

Out: 38.185+/-13.463 χ^2/NDF:78.1/39

All: 49.846+/-9.535 χ^2/NDF: 118.9/75



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: 58.447+/-0.010 χ^2/NDF:732855.9/19

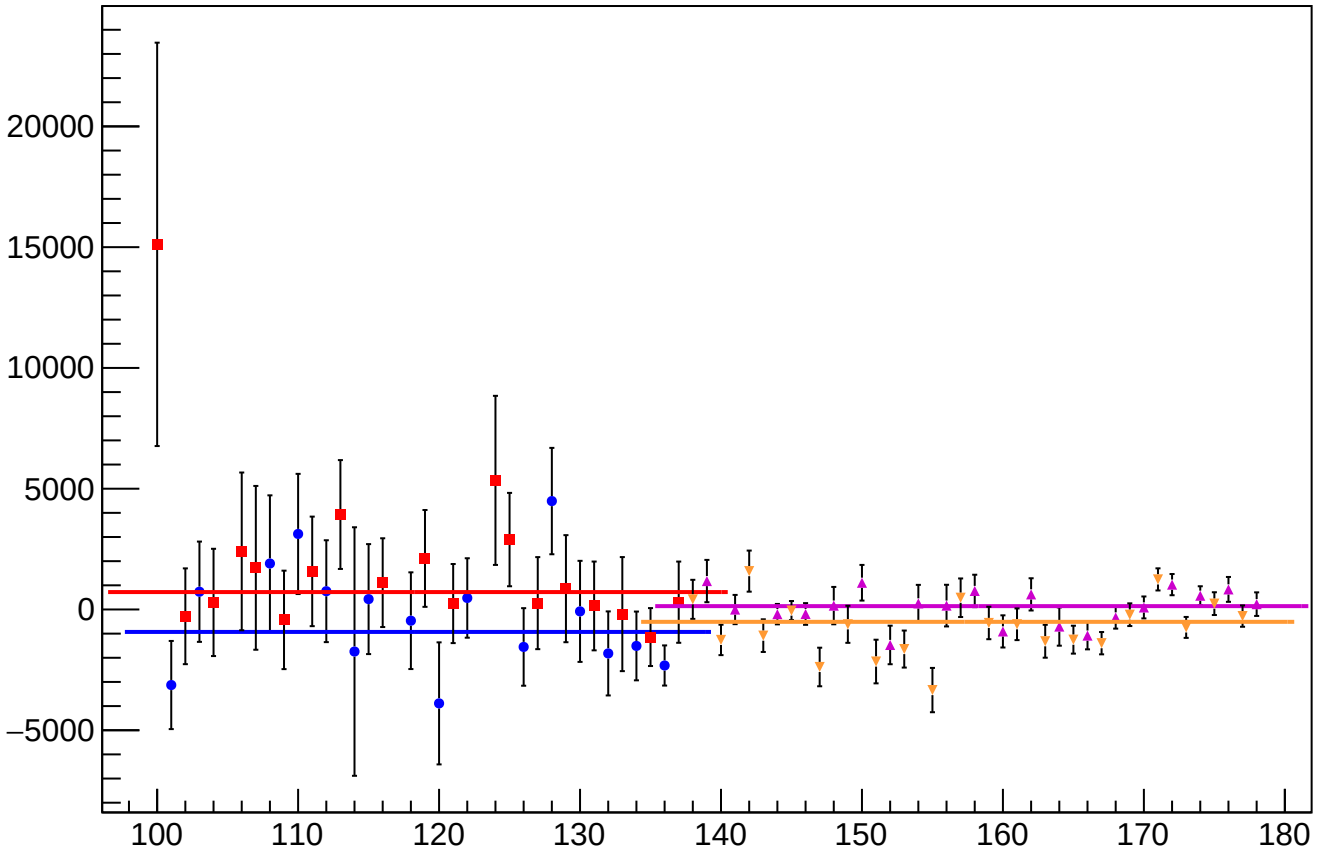
Left: 58.482+/-0.007 χ^2/NDF: 1487415.6/40

Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 62.932+/-0.010 χ^2/NDF:2938555.2/35

Out: 63.231+/-0.010 χ^2/NDF:3298551.9/39

All: 63.082+/-0.007 χ^2/NDF: 6237598.1/75



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: 138.285+/-125.711 χ^2/NDF:26.2/19

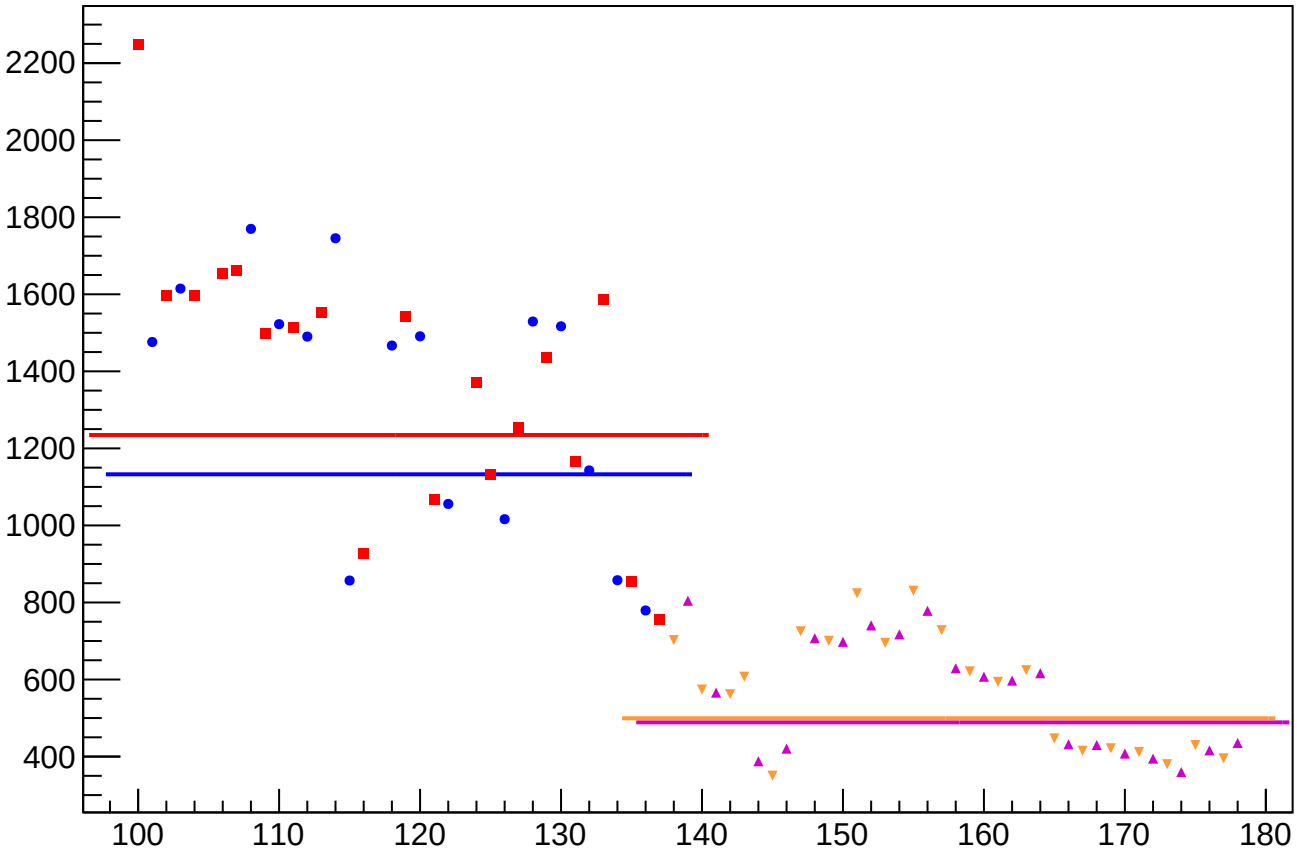
Left: -182.354+/-89.483 χ^2/NDF: 97.3/40

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: 57.981+/-120.893 χ^2/NDF:50.1/35

Out: -426.841+/-122.939 χ^2/NDF:76.9/39

All: -180.362+/-86.198 χ^2/NDF: 134.9/75



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: 488.770+/-0.089 χ^2/NDF:2118098.2/19

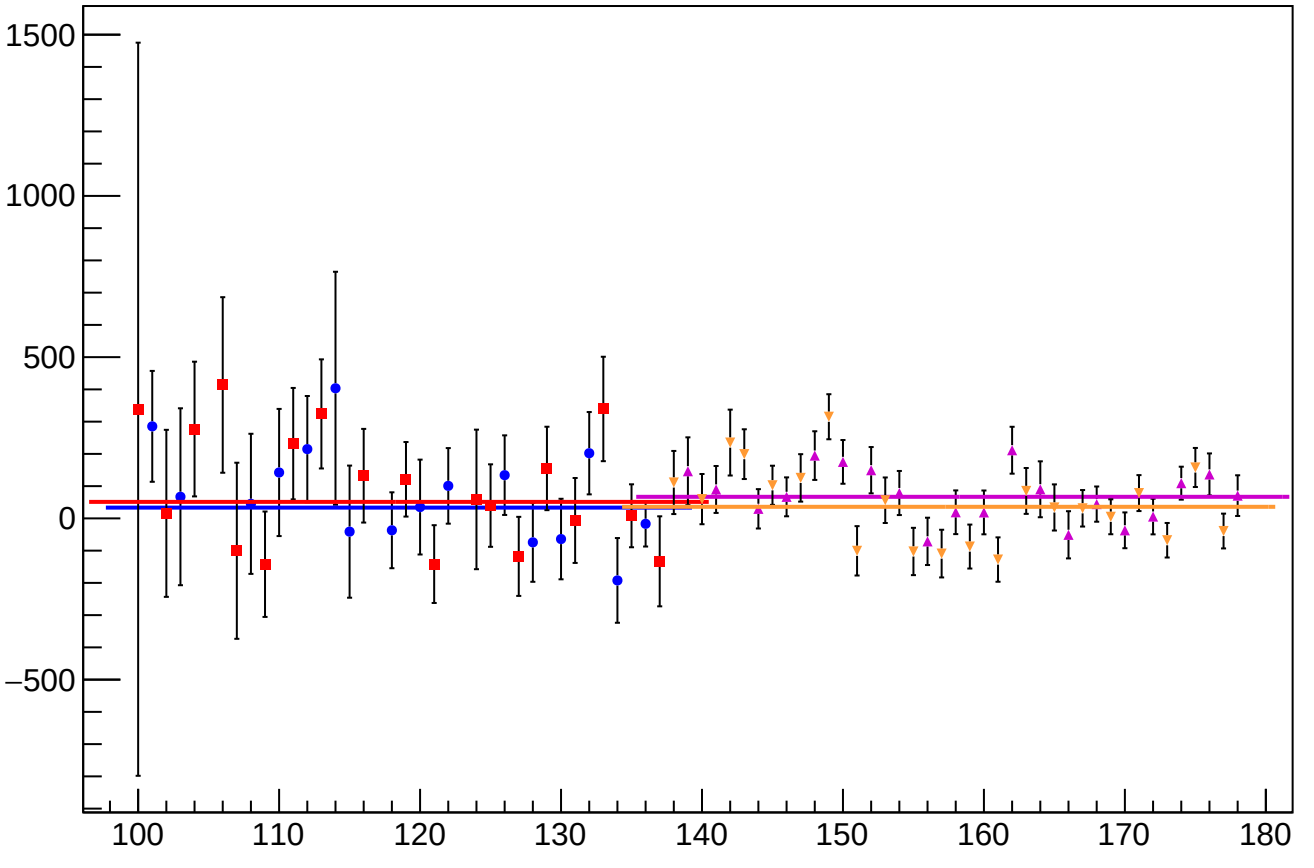
Left: 494.008+/-0.063 χ^2/NDF: 4427306.2/40

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 537.184+/-0.085 χ^2/NDF:7187570.6/35

Out: 550.011+/-0.087 χ^2/NDF:7765277.7/39

All: 543.490+/-0.061 χ^2/NDF: 14963918.6/75



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: 66.904+/-14.728 χ^2/NDF:25.7/19

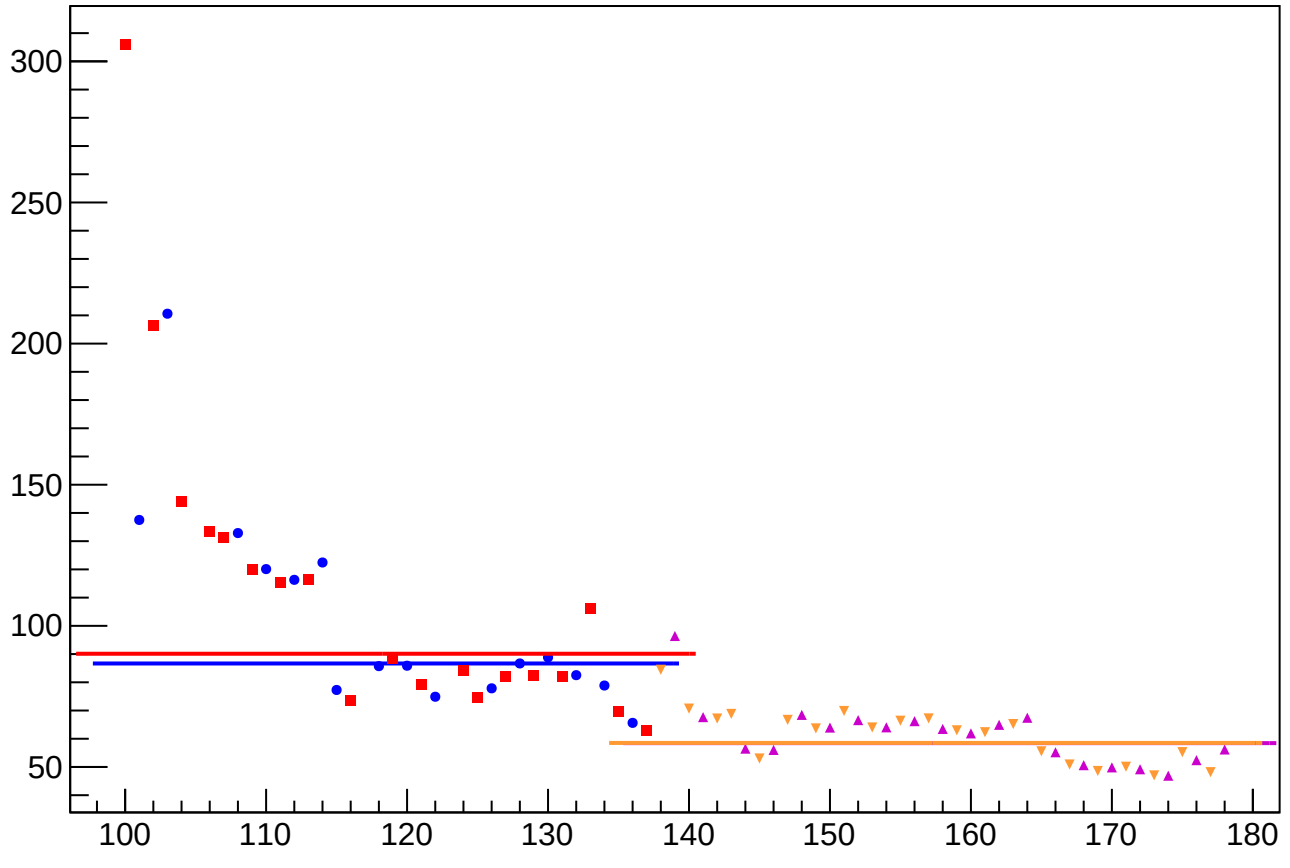
Left: 51.265+/-10.367 χ^2/NDF: 86.3/40

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 61.583+/-13.507 χ^2/NDF:39.3/35

Out: 38.185+/-13.463 χ^2/NDF:78.1/39

All: 49.846+/-9.535 χ^2/NDF: 118.9/75



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: 58.447+/-0.010 χ^2/NDF:732855.9/19

Left: 58.482+/-0.007 χ^2/NDF: 1487415.6/40

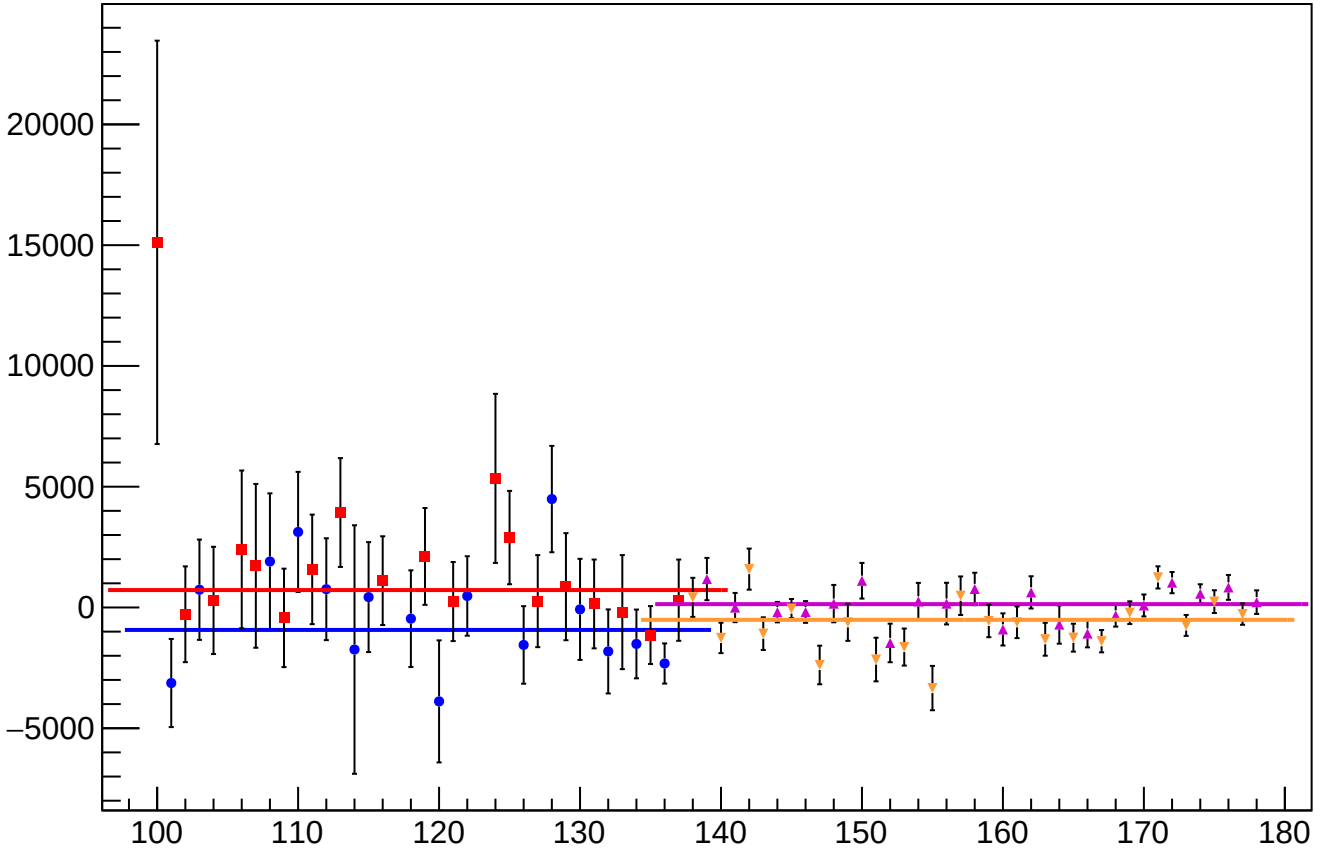
Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 62.932+/-0.010 χ^2/NDF:2938555.2/35

Out: 63.231+/-0.010 χ^2/NDF:3298551.9/39

All: 63.082+/-0.007 χ^2/NDF: 6237598.1/75

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: 138.285+/-125.711 χ^2/NDF:26.2/19

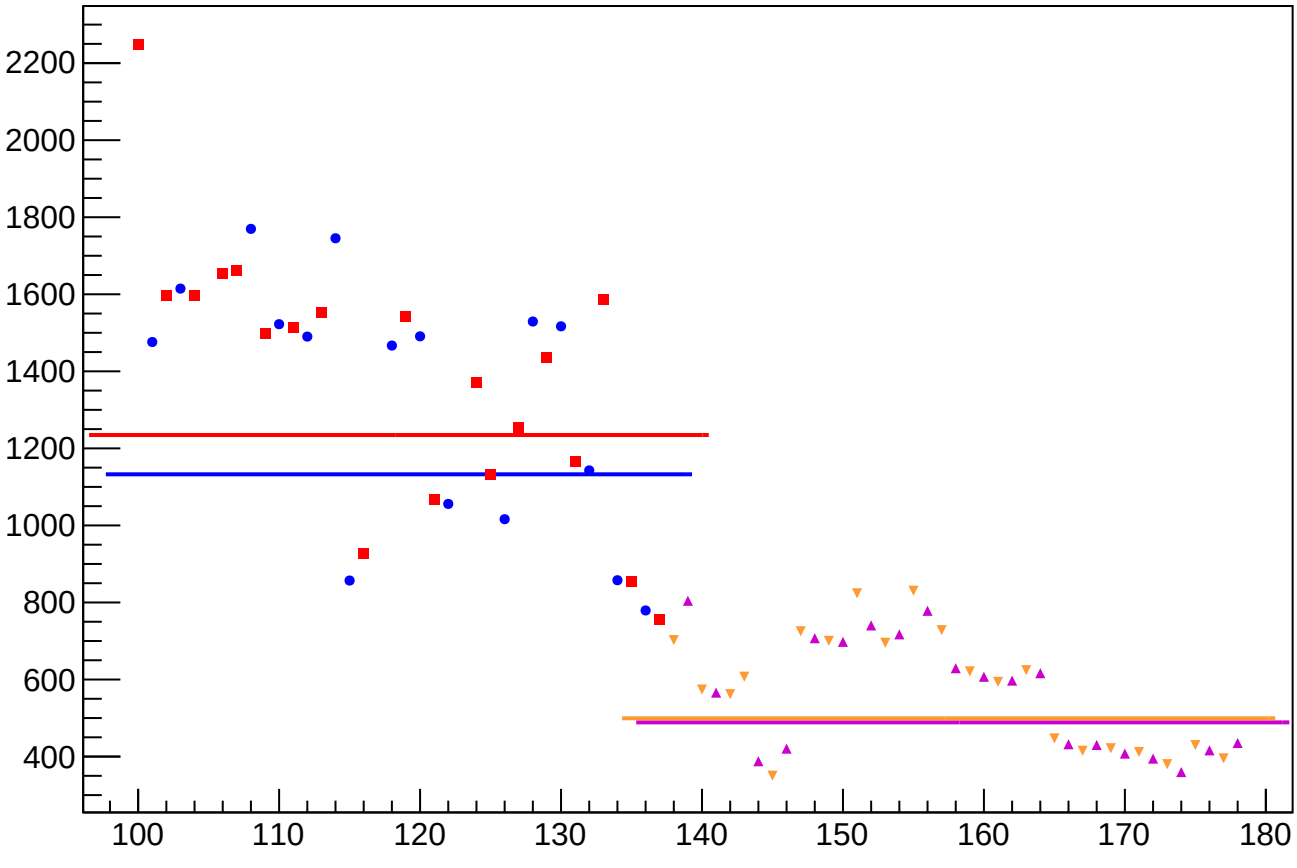
Left: -182.354+/-89.483 χ^2/NDF: 97.3/40

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: 57.981+/-120.893 χ^2/NDF:50.1/35

Out: -426.841+/-122.939 χ^2/NDF:76.9/39

All: -180.362+/-86.198 χ^2/NDF: 134.9/75



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: 488.770+/-0.089 χ^2/NDF:2118098.2/19

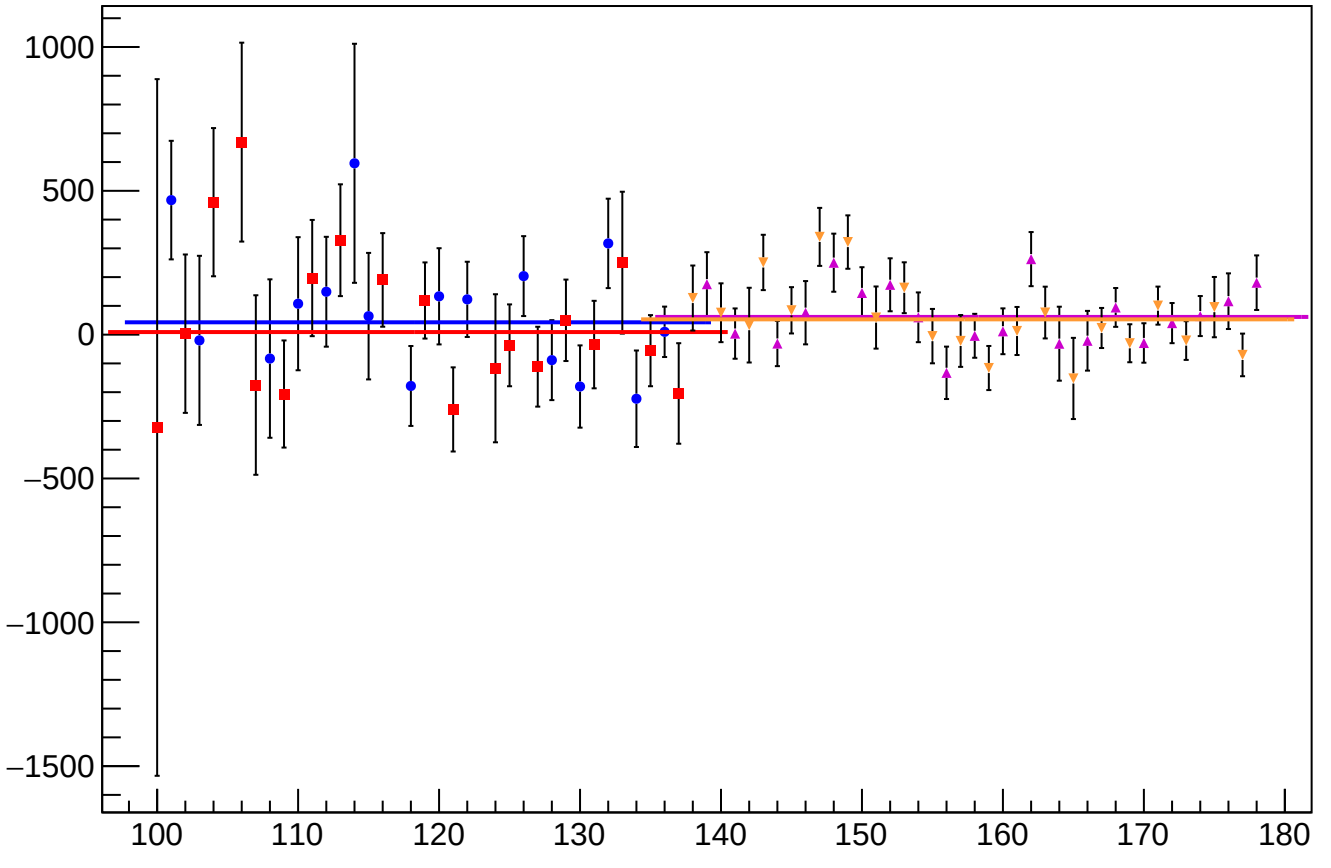
Left: 494.008+/-0.063 χ^2/NDF: 4427306.2/40

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 537.184+/-0.085 χ^2/NDF:7187570.6/35

Out: 550.011+/-0.087 χ^2/NDF:7765277.7/39

All: 543.490+/-0.061 χ^2/NDF: 14963918.6/75



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: 61.599+/-19.214 χ^2/NDF:24.1/19

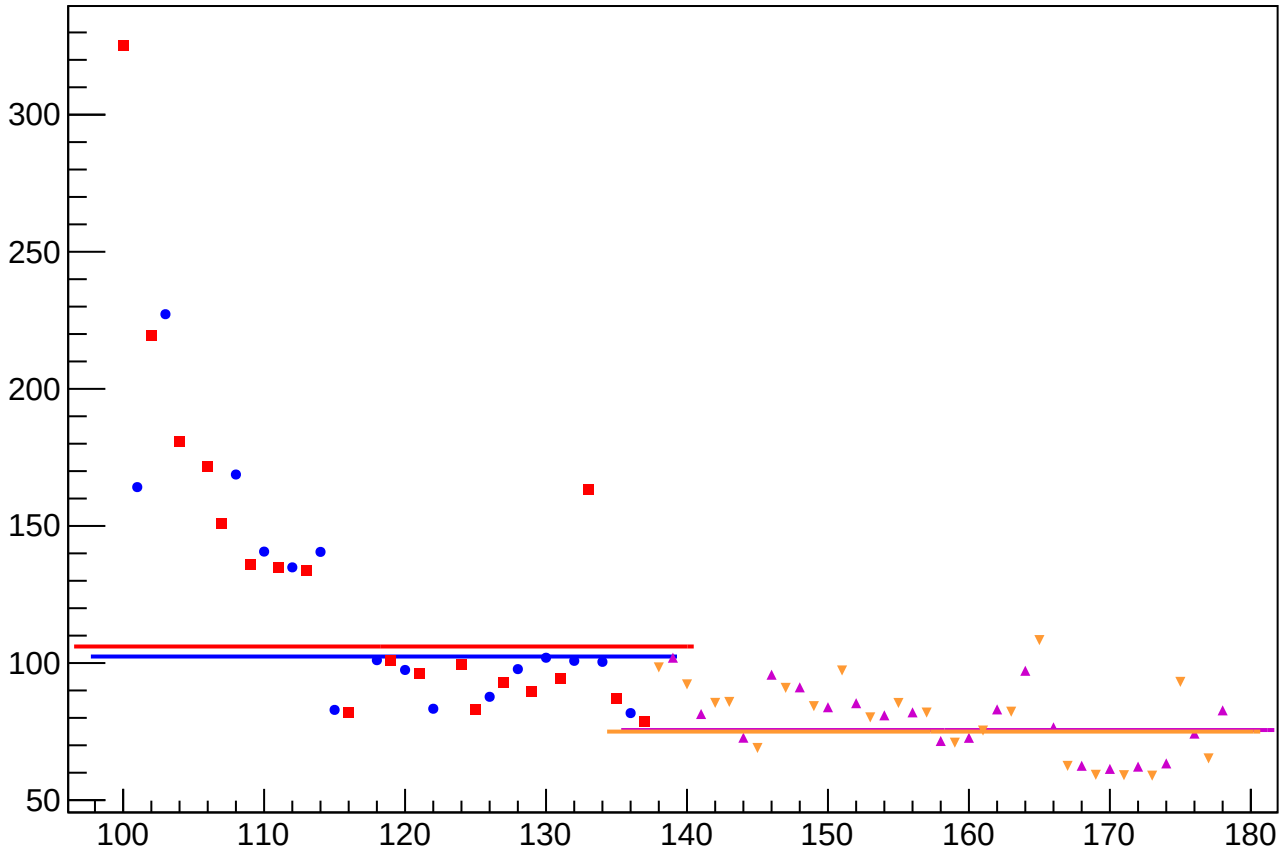
Left: 57.316+/-13.468 χ^2/NDF: 61.9/40

Right: 26.417+/-28.632 χ^2/NDF: 42.0/34

In: 58.089+/-17.315 χ^2/NDF:44.6/35

Out: 45.463+/-17.156 χ^2/NDF:60.0/39

All: 51.718+/-12.187 χ^2/NDF: 104.9/75



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: 75.565+/-0.014 χ^2/NDF:680203.5/19

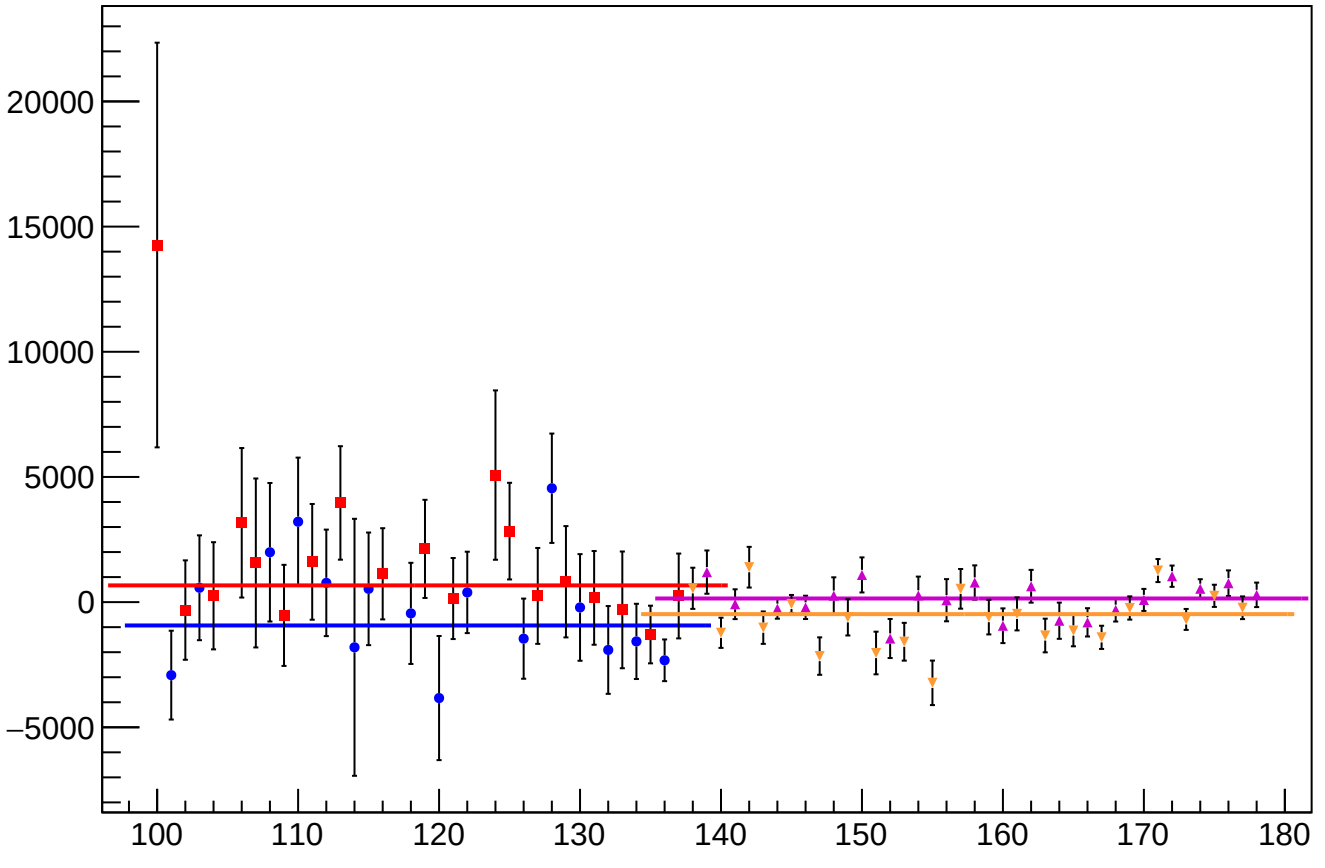
Left: 75.277+/-0.010 χ^2/NDF: 1704766.6/40

Right: 104.155+/-0.020 χ^2/NDF: 2181742.7/34

In: 80.603+/-0.012 χ^2/NDF:2394262.9/35

Out: 80.417+/-0.012 χ^2/NDF:3157999.7/39

All: 80.509+/-0.009 χ^2/NDF: 5552378.5/75



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: 145.326+/-123.572 χ^2/NDF:25.4/19

Left: -164.352+/-87.751 χ^2/NDF: 94.8/40

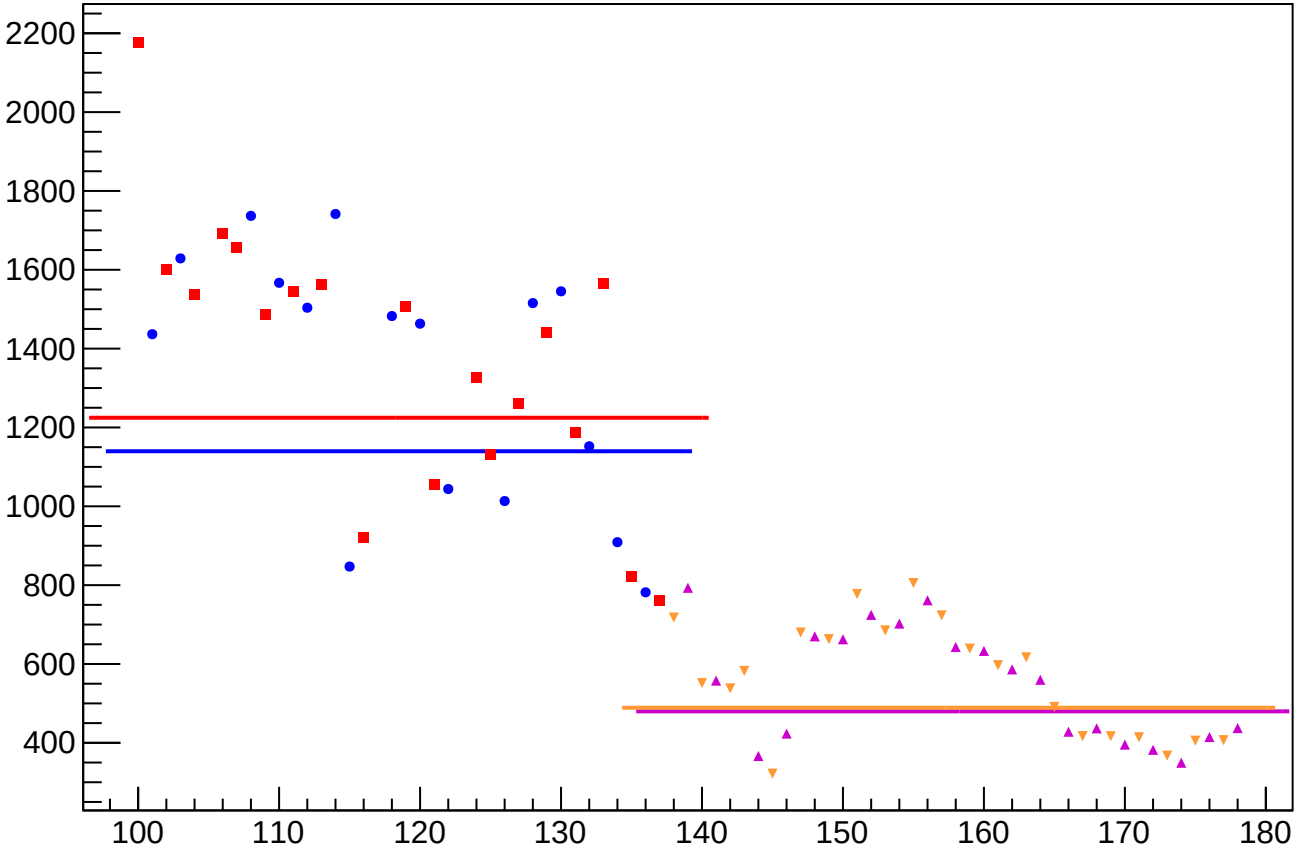
Right: -168.117+/-320.052 χ^2/NDF: 38.2/34

In: 67.434+/-119.022 χ^2/NDF:49.4/35

Out: -401.875+/-120.351 χ^2/NDF:75.9/39

All: -164.616+/-84.627 χ^2/NDF: 133.0/75

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: 479.859+/-0.087 χ^2/NDF:2138775.0/19

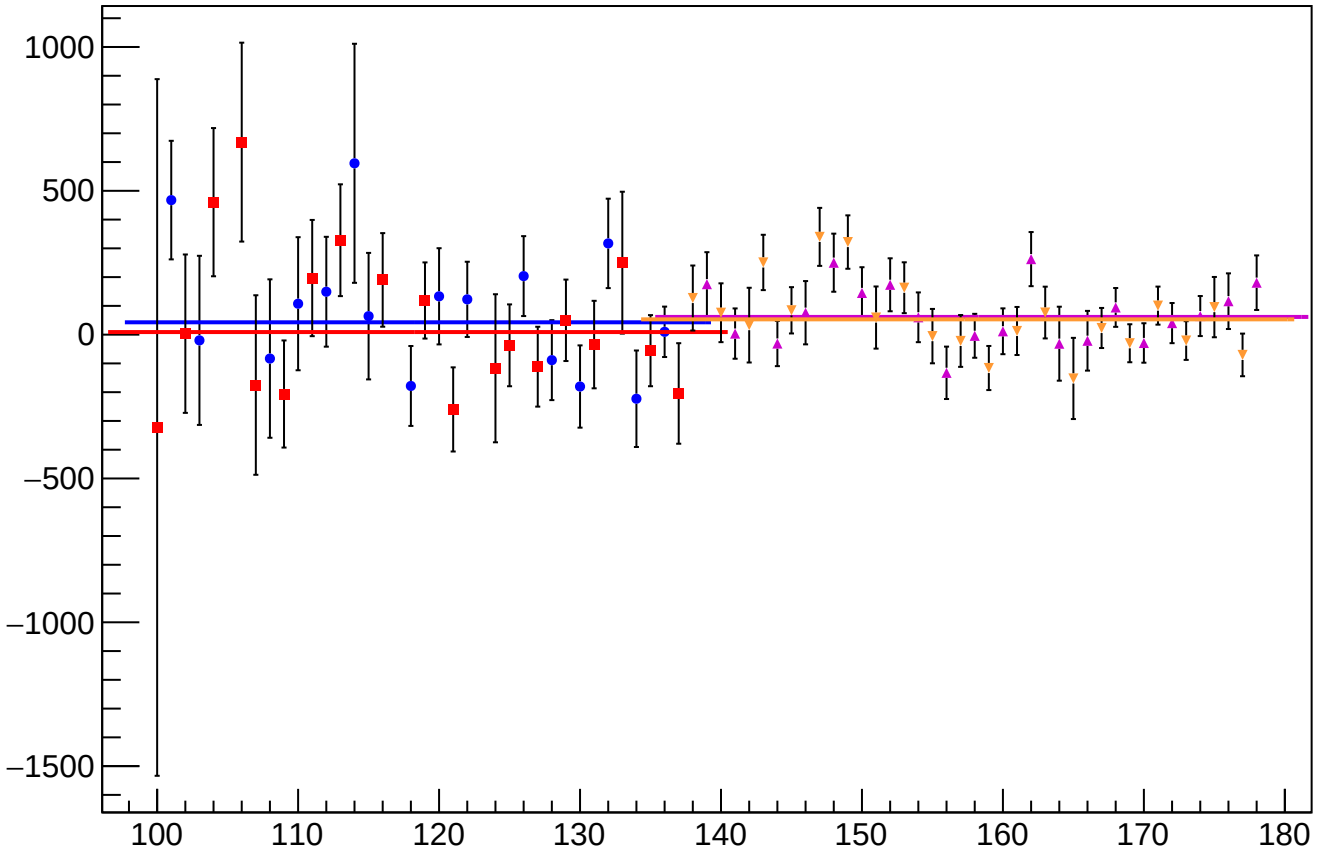
Left: 484.409+/-0.062 χ^2/NDF: 4516295.8/40

Right: 1180.226+/-0.226 χ^2/NDF: 2050976.5/34

In: 527.546+/-0.084 χ^2/NDF:7353203.9/35

Out: 538.695+/-0.085 χ^2/NDF:7997687.8/39

All: 533.059+/-0.060 χ^2/NDF: 15359567.7/75



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: 61.598+/-19.214 χ^2/NDF:24.1/19

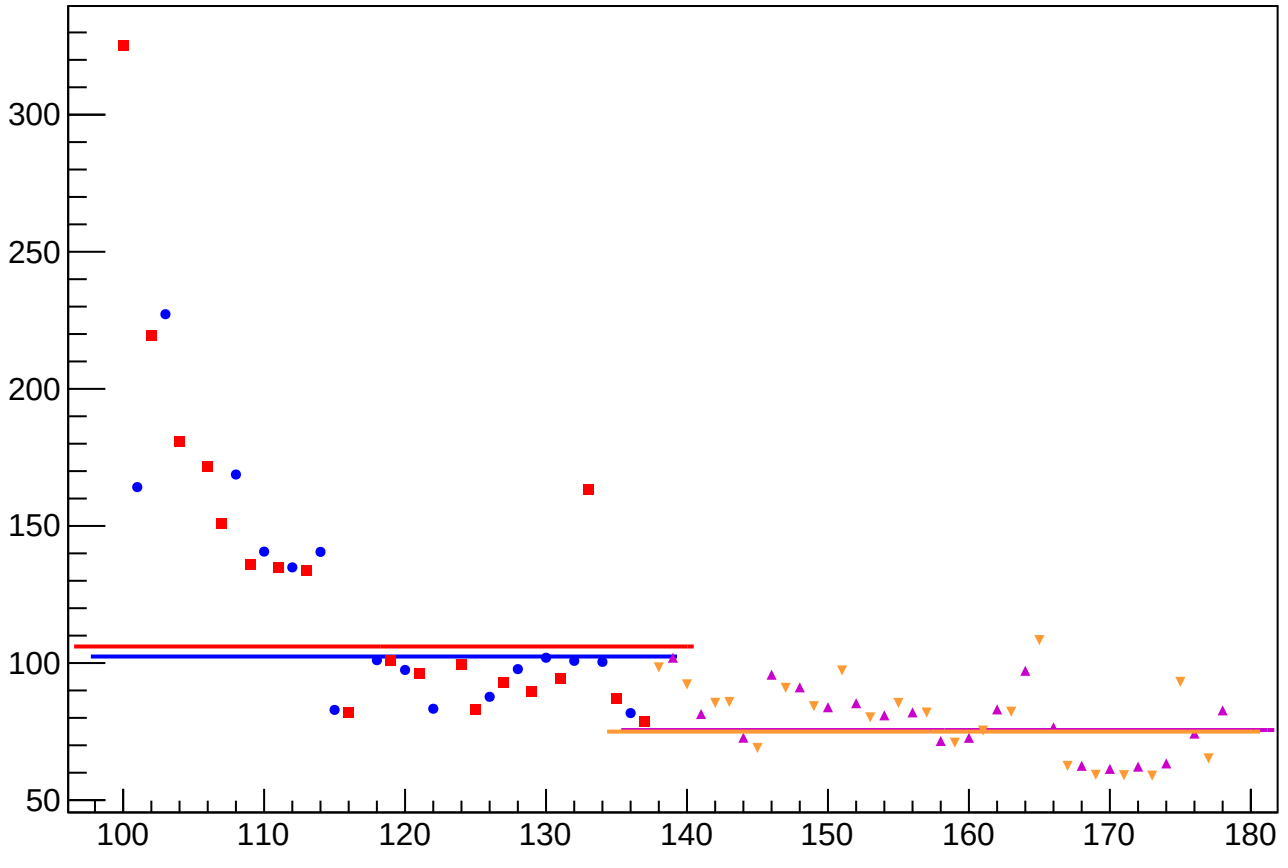
Left: 57.314+/-13.468 χ^2/NDF: 61.9/40

Right: 26.416+/-28.632 χ^2/NDF: 42.0/34

In: 58.088+/-17.315 χ^2/NDF:44.6/35

Out: 45.462+/-17.156 χ^2/NDF:60.0/39

All: 51.717+/-12.187 χ^2/NDF: 104.9/75



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: 75.566+/-0.014 χ^2/NDF:680198.8/19

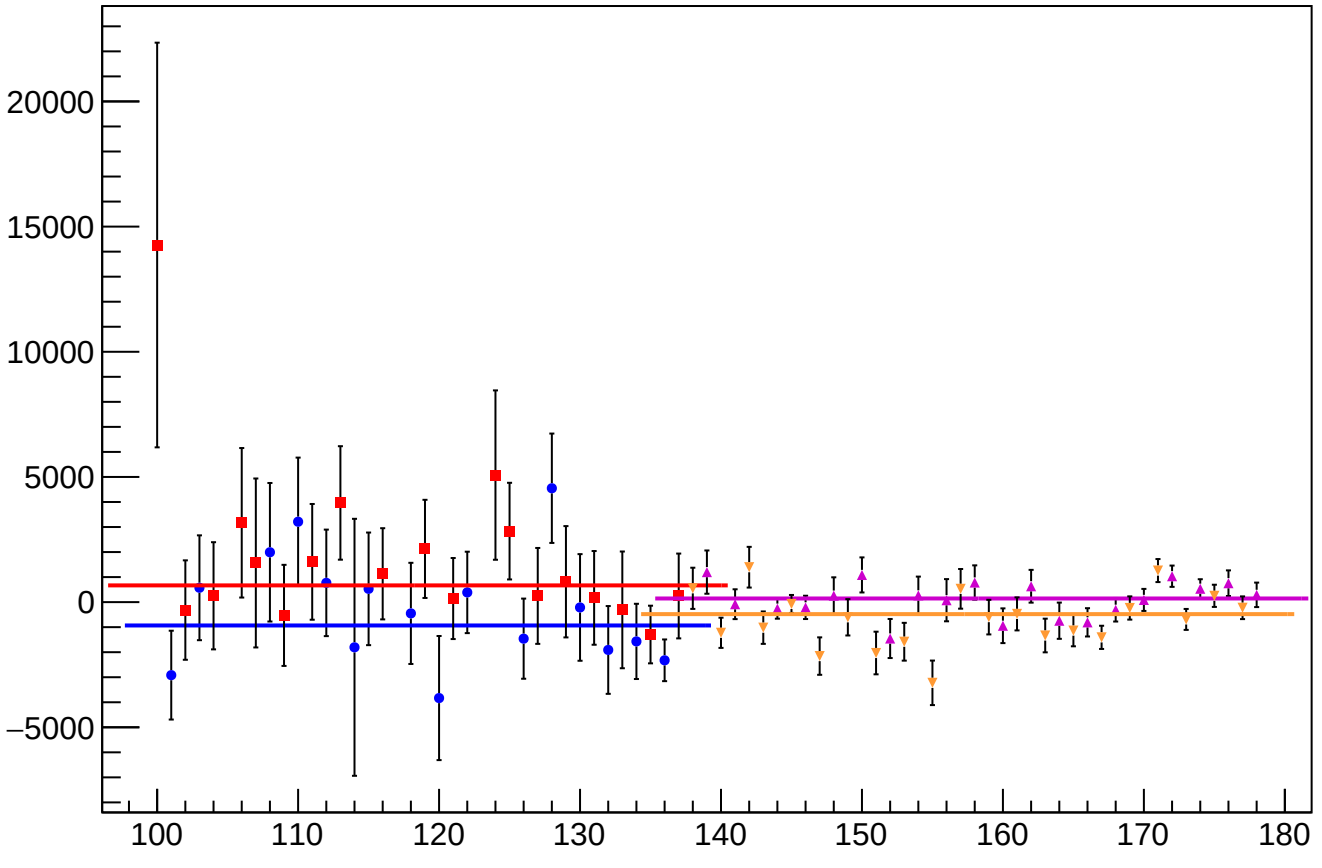
Left: 75.278+/-0.010 χ^2/NDF: 1704759.8/40

Right: 104.155+/-0.020 χ^2/NDF: 2181741.7/34

In: 80.603+/-0.012 χ^2/NDF:2394226.3/35

Out: 80.417+/-0.012 χ^2/NDF:3157980.1/39

All: 80.509+/-0.009 χ^2/NDF: 5552322.4/75



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: 145.325+/-123.572 χ^2/NDF:25.4/19

Left: -164.353+/-87.751 χ^2/NDF: 94.8/40

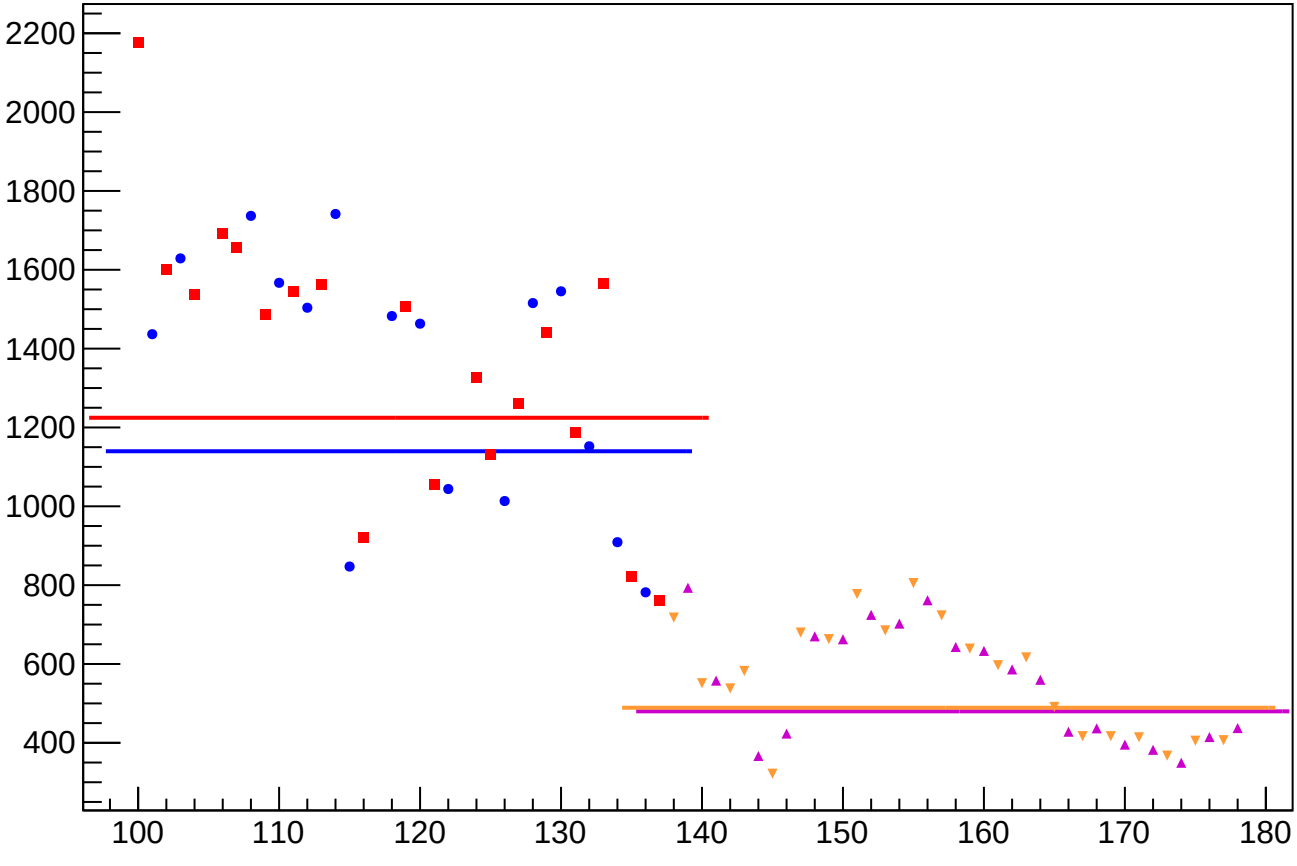
Right: -168.114+/-320.051 χ^2/NDF: 38.2/34

In: 67.433+/-119.022 χ^2/NDF:49.4/35

Out: -401.875+/-120.351 χ^2/NDF:75.9/39

All: -164.616+/-84.627 χ^2/NDF: 133.0/75

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: 479.859+/-0.087 χ^2/NDF:2138768.2/19

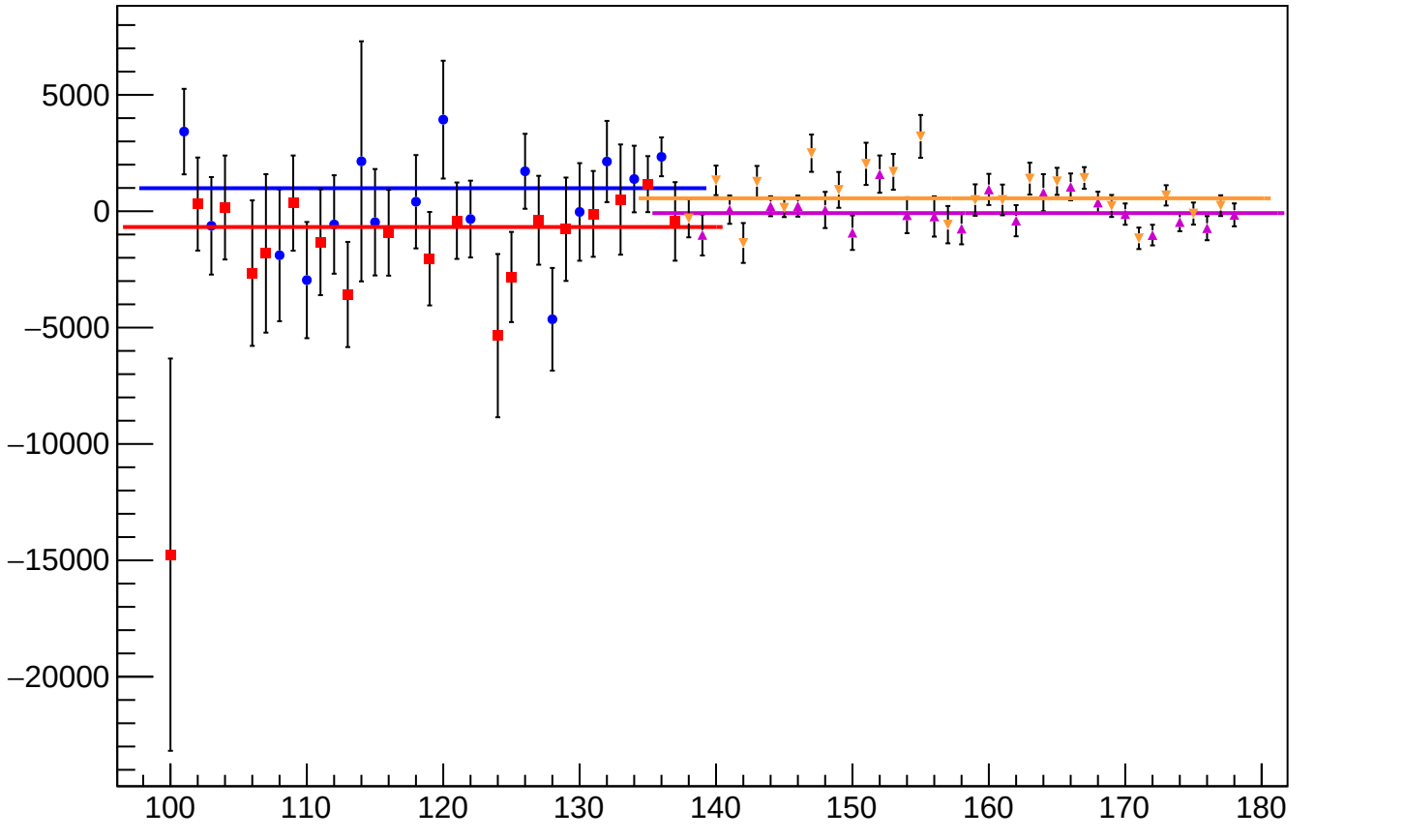
Left: 484.409+/-0.062 χ^2/NDF: 4516292.9/40

Right: 1180.225+/-0.226 χ^2/NDF: 2050952.9/34

In: 527.546+/-0.084 χ^2/NDF:7353181.8/35

Out: 538.694+/-0.085 χ^2/NDF:7997680.3/39

All: 533.058+/-0.060 χ^2/NDF: 15359537.4/75



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: -80.188+/-126.690 χ^2/NDF:24.4/19

Left: 233.716+/-90.160 χ^2/NDF: 91.4/40

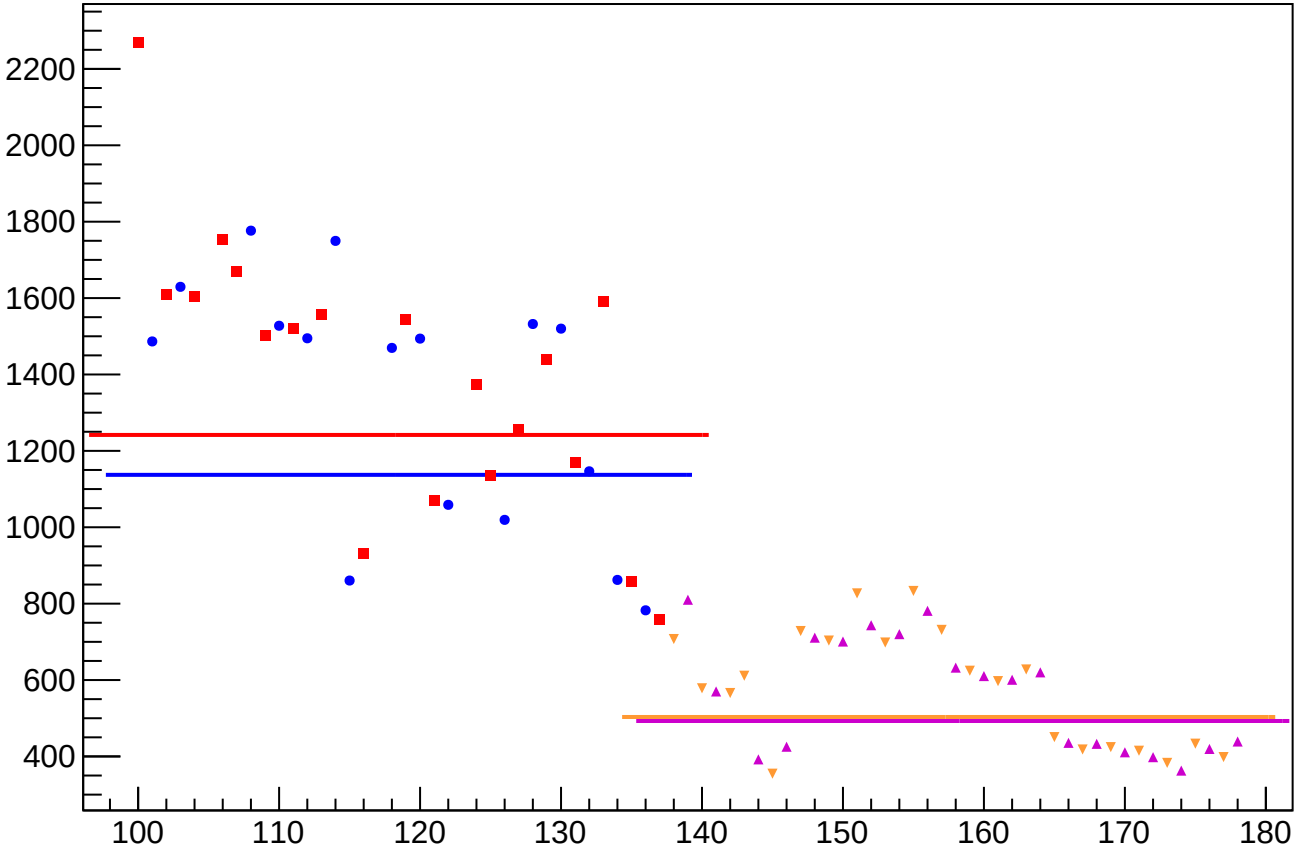
Right: 205.171+/-322.118 χ^2/NDF: 37.6/34

In: 0.793+/-121.799 χ^2/NDF:48.9/35

Out: 470.135+/-123.799 χ^2/NDF:72.8/39

All: 231.642+/-86.823 χ^2/NDF: 129.0/75

asym_sam_3726_avg_rms vs Slug, Sign Corrected



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: 492.799+/-0.090 χ^2/NDF:2091295.5/19

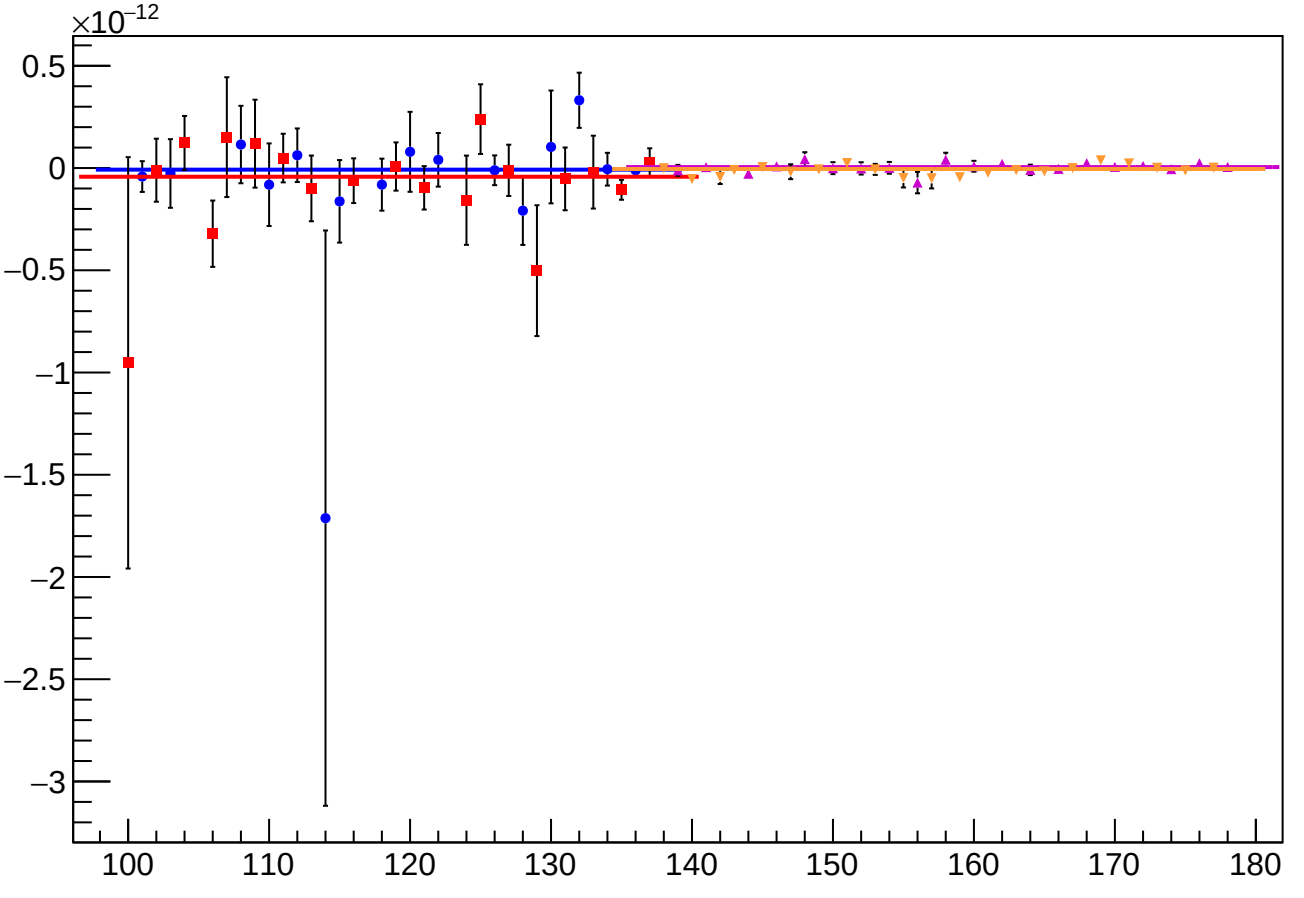
Left: 497.974+/-0.064 χ^2/NDF: 4371338.5/40

Right: 1186.373+/-0.228 χ^2/NDF: 2075531.5/34

In: 541.593+/-0.086 χ^2/NDF:7133151.1/35

Out: 554.594+/-0.088 χ^2/NDF:7773285.7/39

All: 547.988+/-0.061 χ^2/NDF: 14917644.4/75



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:13.1/19

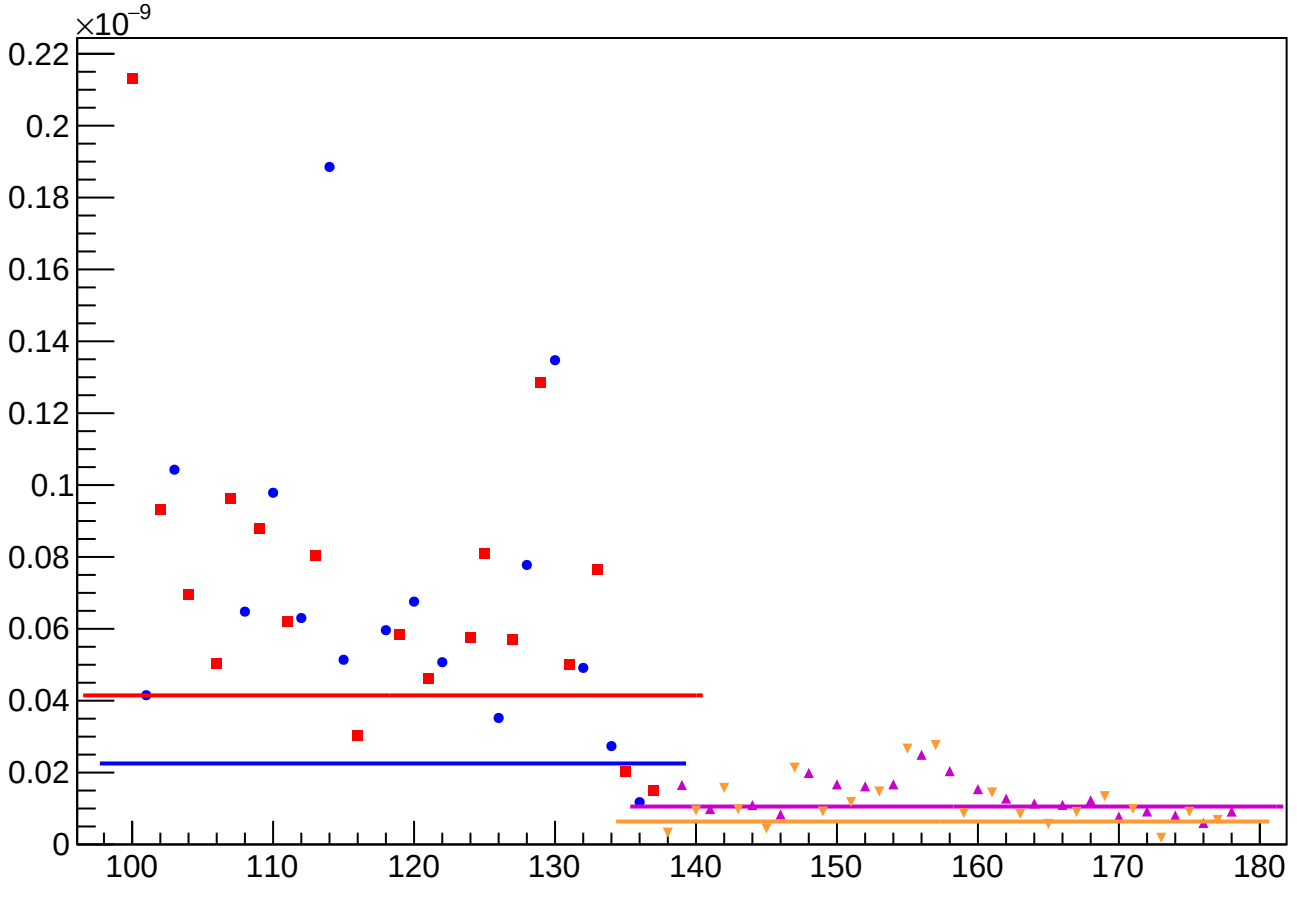
Left: -0.000+/-0.000 χ^2/NDF: 42.8/40

Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: 0.000+/-0.000 χ^2/NDF:25.3/35

Out: -0.000+/-0.000 χ^2/NDF:44.4/39

All: -0.000+/-0.000 χ^2/NDF: 72.4/75



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:1350531.8/19

Left: 0.000+/-0.000 χ^2/NDF: 6112389.7/40

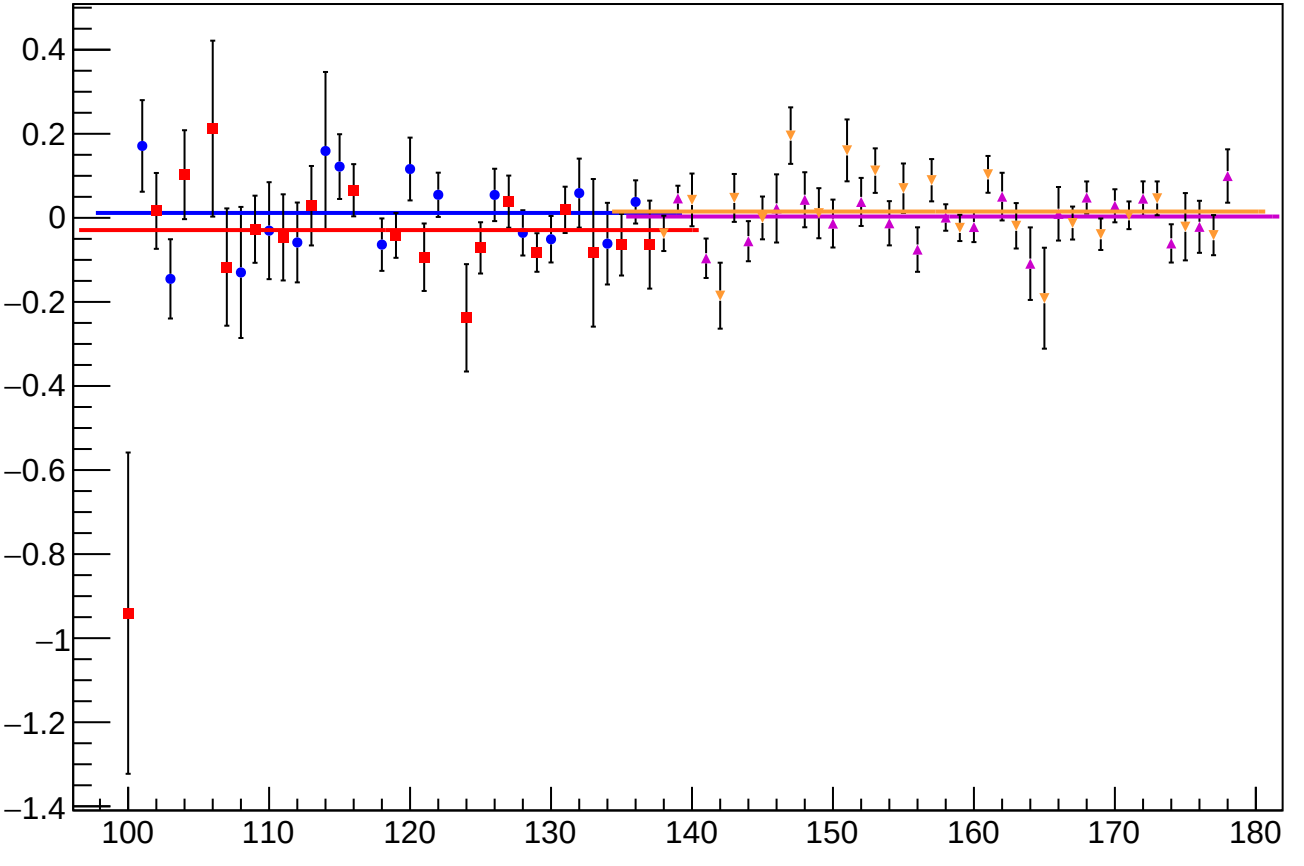
Right: 0.000+/-0.000 χ^2/NDF: 5394567.7/34

In: 0.000+/-0.000 χ^2/NDF:5094753.2/35

Out: 0.000+/-0.000 χ^2/NDF:8838813.2/39

All: 0.000+/-0.000 χ^2/NDF: 15229844.4/75

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.015+/-0.011 χ^2/NDF:40.0/20

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.003+/-0.010 χ^2/NDF:21.4/19

Left: 0.009+/-0.007 χ^2/NDF: 62.1/40

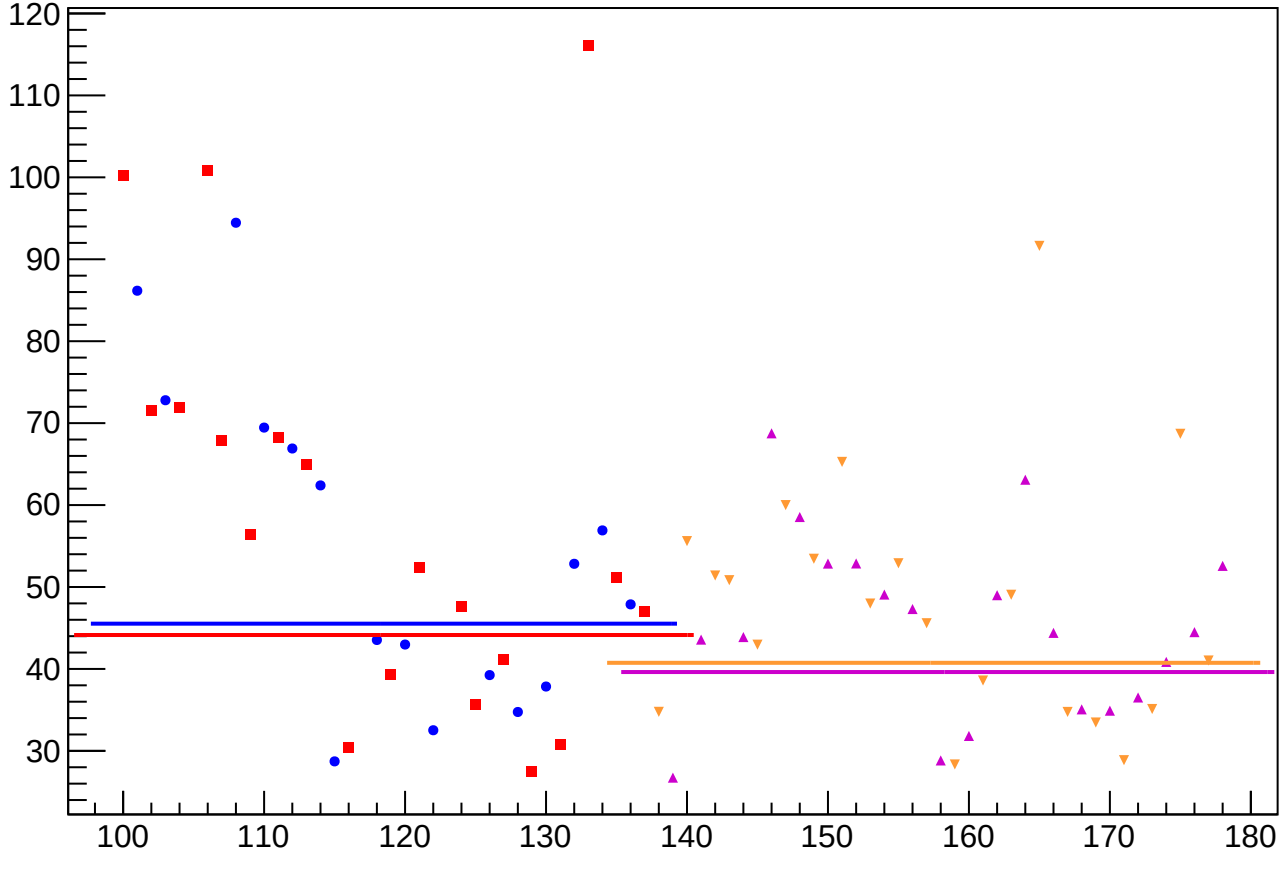
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.005+/-0.009 χ^2/NDF:38.5/35

Out: 0.004+/-0.009 χ^2/NDF:64.1/39

All: 0.004+/-0.006 χ^2/NDF: 102.6/75

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 40.747+/-0.008 χ^2/NDF:2264428.5/20

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 39.621+/-0.007 χ^2/NDF:1852620.1/19

Left: 40.176+/-0.005 χ^2/NDF: 4128435.8/40

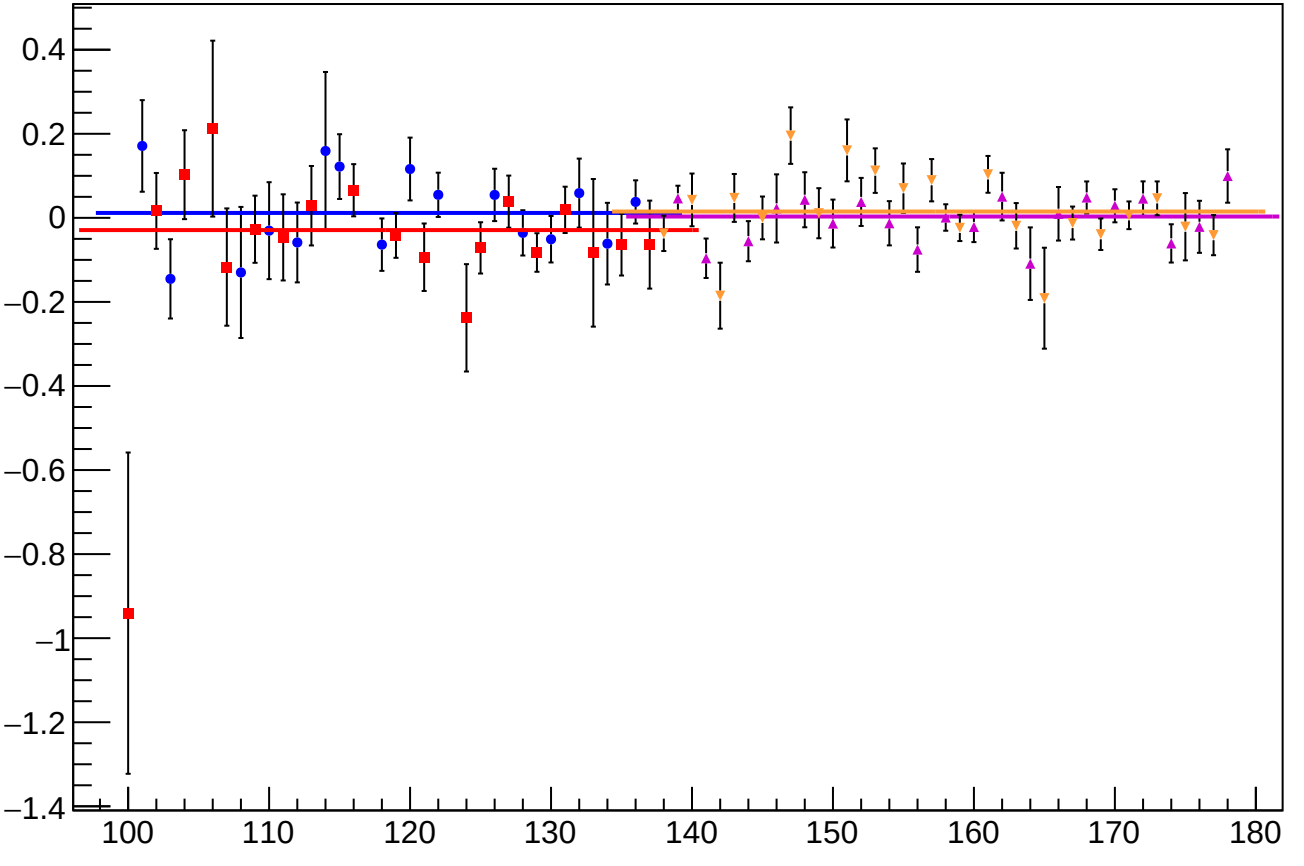
Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 41.077+/-0.006 χ^2/NDF:3263090.9/35

Out: 41.633+/-0.006 χ^2/NDF:4061085.2/39

All: 41.354+/-0.005 χ^2/NDF: 7327896.7/75

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.015+/-0.011 χ^2/NDF:40.0/20

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.003+/-0.010 χ^2/NDF:21.4/19

Left: 0.009+/-0.007 χ^2/NDF: 62.1/40

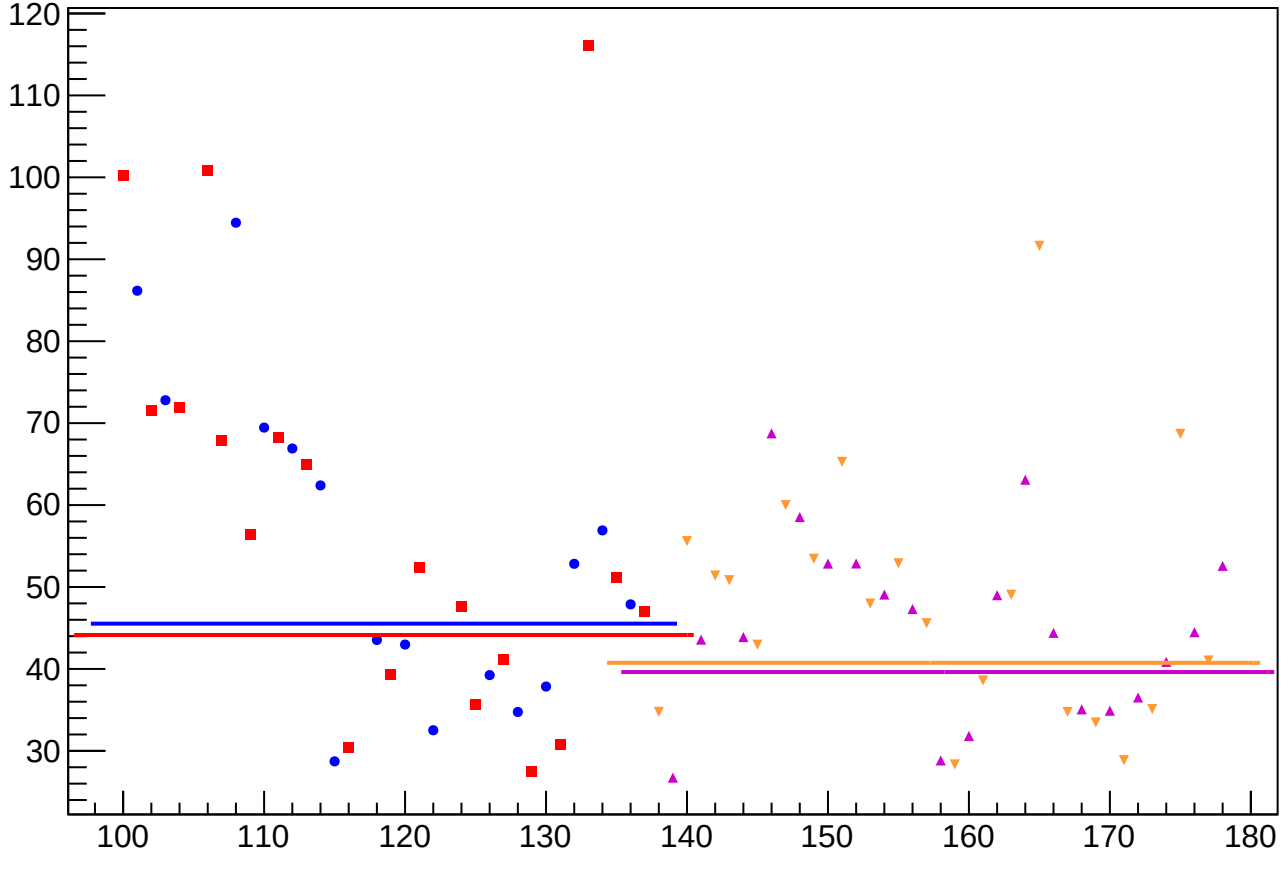
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.005+/-0.009 χ^2/NDF:38.5/35

Out: 0.004+/-0.009 χ^2/NDF:64.1/39

All: 0.004+/-0.006 χ^2/NDF: 102.6/75

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 40.747+/-0.008 χ^2/NDF:2264428.5/20

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 39.621+/-0.007 χ^2/NDF:1852620.1/19

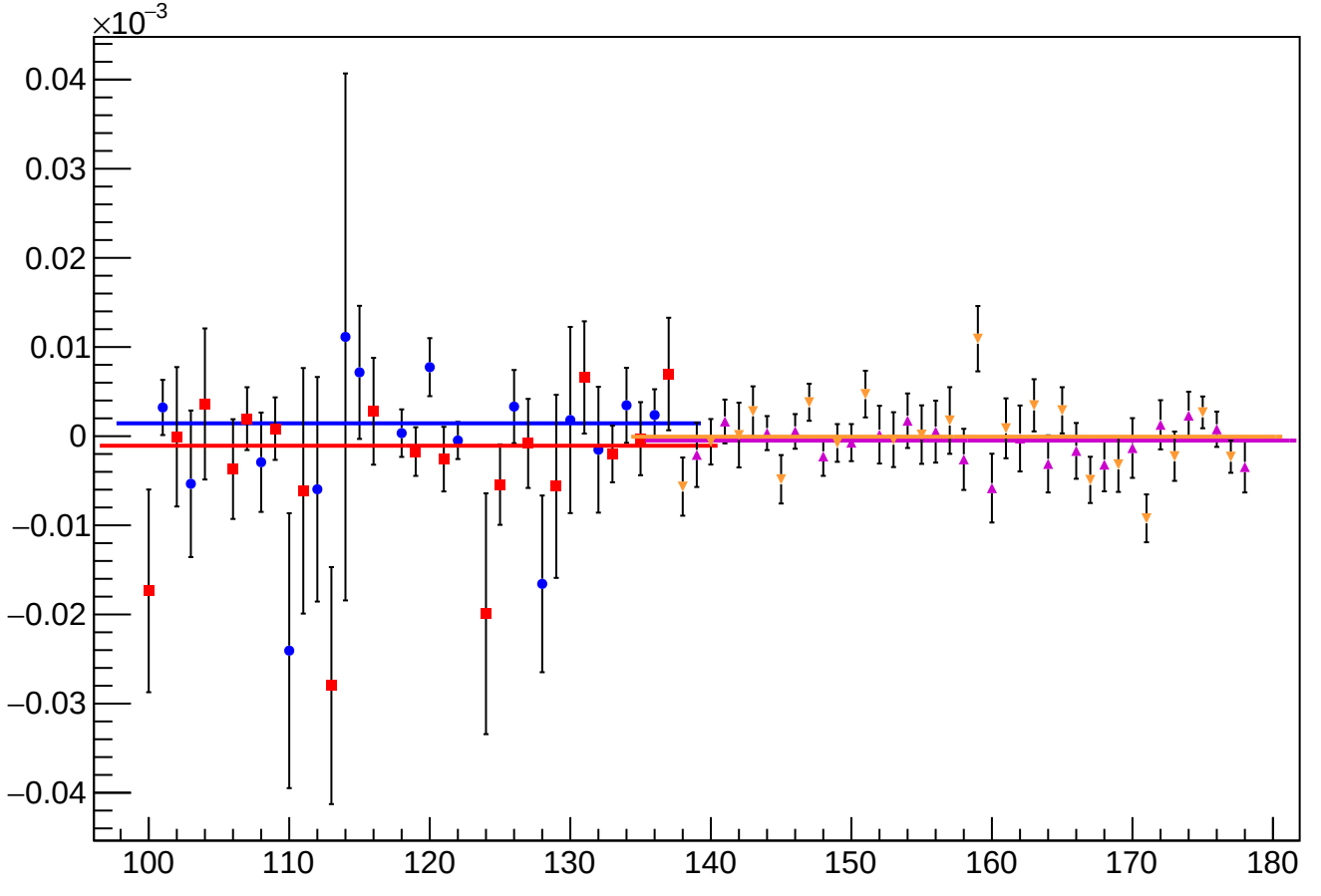
Left: 40.176+/-0.005 χ^2/NDF: 4128435.8/40

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 41.077+/-0.006 χ^2/NDF:3263090.9/35

Out: 41.633+/-0.006 χ^2/NDF:4061085.2/39

All: 41.354+/-0.005 χ^2/NDF: 7327896.7/75



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:9.7/19

Left: -0.000+/-0.000 χ^2/NDF: 56.7/40

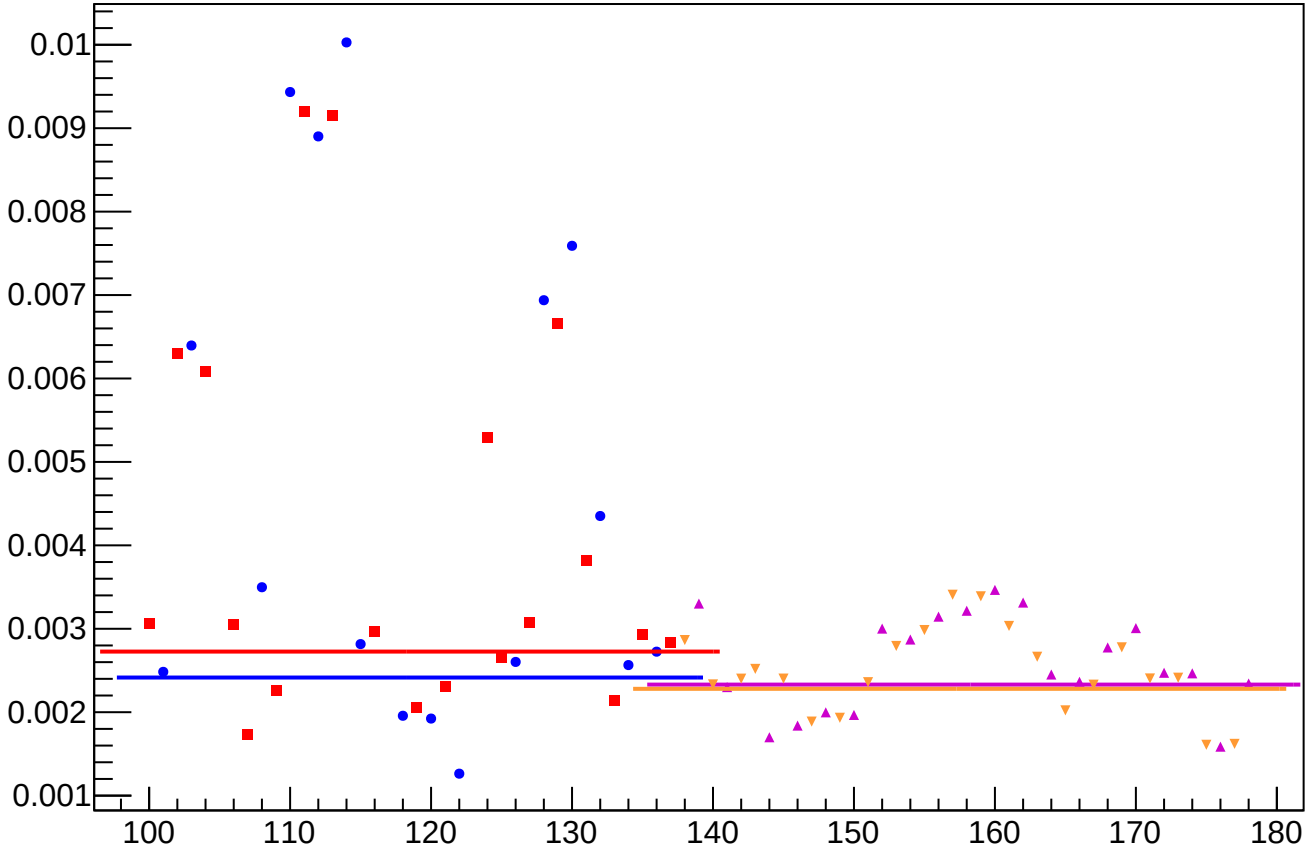
Right: 0.000+/-0.000 χ^2/NDF: 31.7/34

In: -0.000+/-0.000 χ^2/NDF:26.5/35

Out: -0.000+/-0.000 χ^2/NDF:62.2/39

All: -0.000+/-0.000 χ^2/NDF: 88.8/75

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF:1491435.8/20

Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.002+/-0.000 χ^2/NDF:1726655.5/19

Left: 0.002+/-0.000 χ^2/NDF: 3225529.7/40

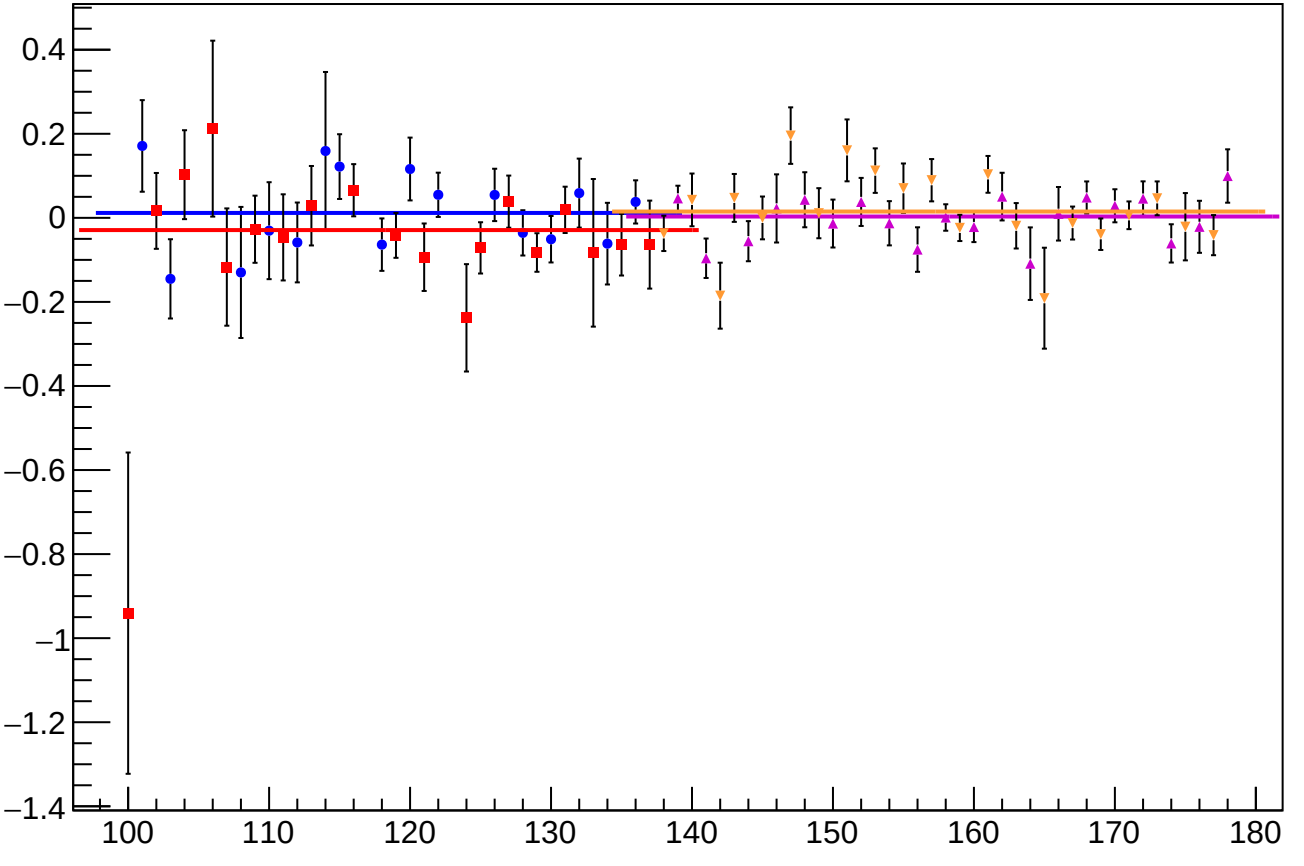
Right: 0.003+/-0.000 χ^2/NDF: 6019731.5/34

In: 0.002+/-0.000 χ^2/NDF:5168714.1/35

Out: 0.002+/-0.000 χ^2/NDF:4247461.7/39

All: 0.002+/-0.000 χ^2/NDF: 9417834.6/75

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.015+/-0.011 χ^2/NDF:40.0/20

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.003+/-0.010 χ^2/NDF:21.4/19

Left: 0.009+/-0.007 χ^2/NDF: 62.1/40

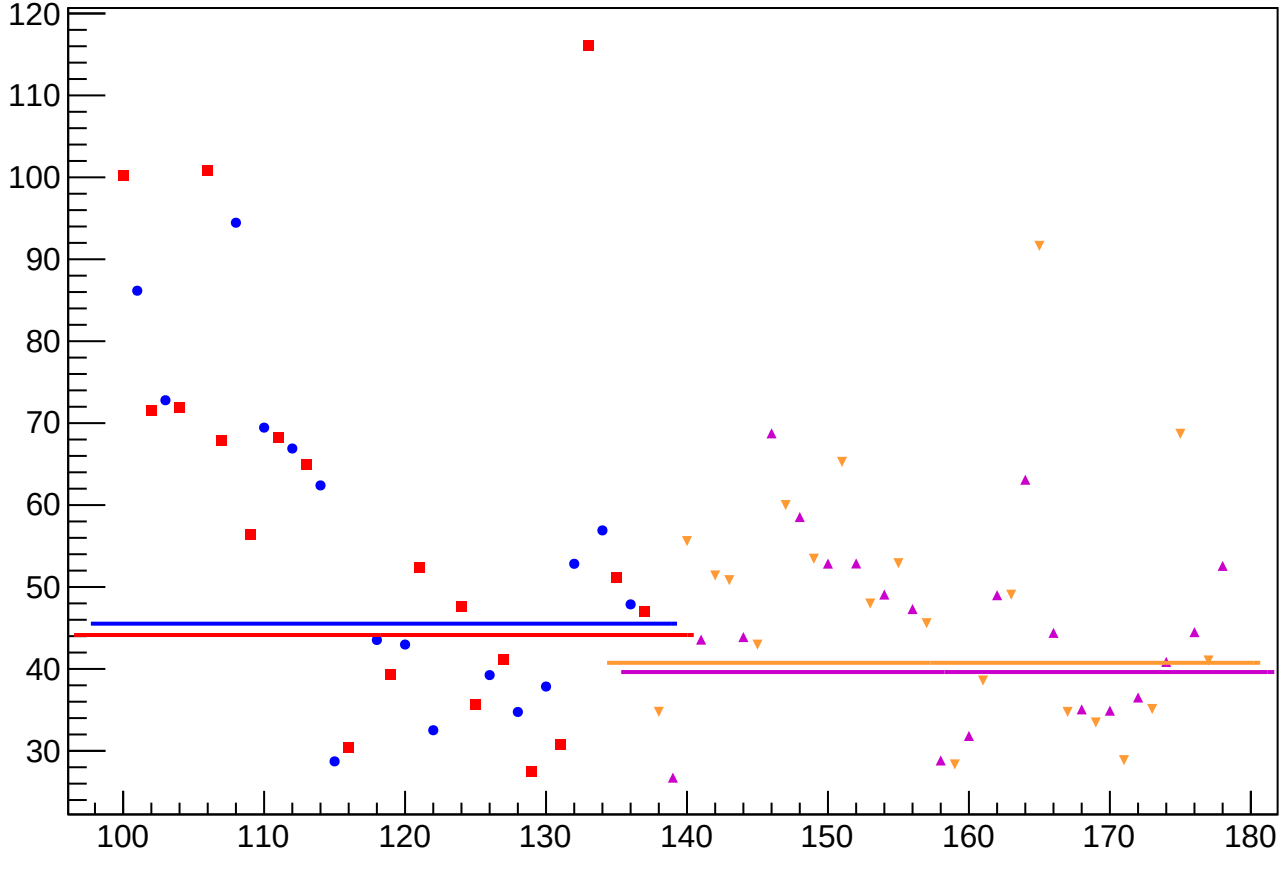
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.005+/-0.009 χ^2/NDF:38.5/35

Out: 0.004+/-0.009 χ^2/NDF:64.1/39

All: 0.004+/-0.006 χ^2/NDF: 102.6/75

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 40.748+/-0.008 χ^2/NDF:2264456.8/20

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 39.621+/-0.007 χ^2/NDF:1852656.1/19

Left: 40.177+/-0.005 χ^2/NDF: 4128498.7/40

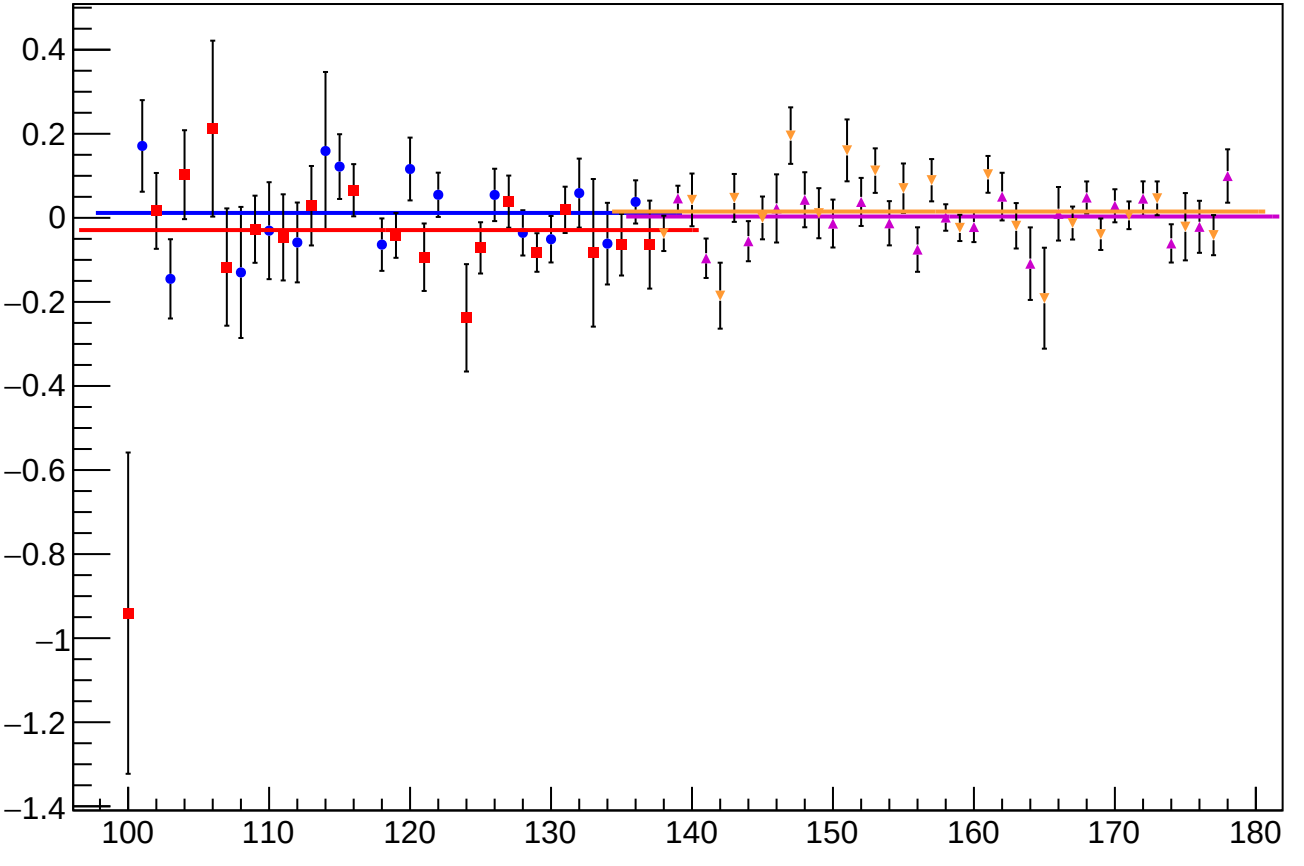
Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 41.077+/-0.006 χ^2/NDF:3263064.0/35

Out: 41.633+/-0.006 χ^2/NDF:4061035.9/39

All: 41.354+/-0.005 χ^2/NDF: 7327820.8/75

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.015+/-0.011 χ^2/NDF:40.0/20

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.003+/-0.010 χ^2/NDF:21.4/19

Left: 0.009+/-0.007 χ^2/NDF: 62.1/40

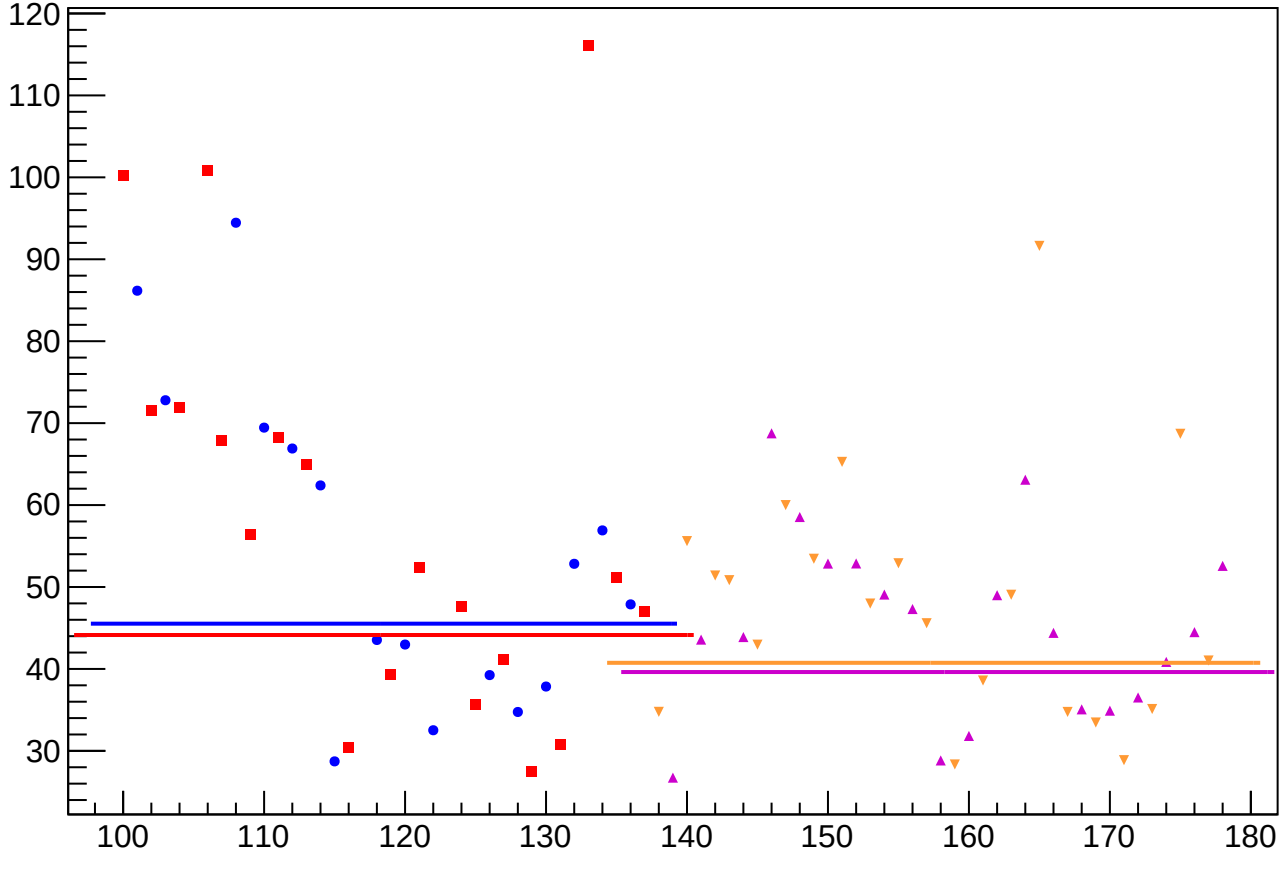
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.005+/-0.009 χ^2/NDF:38.5/35

Out: 0.004+/-0.009 χ^2/NDF:64.1/39

All: 0.004+/-0.006 χ^2/NDF: 102.6/75

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: 39.621+/-0.007 χ^2/NDF:1852656.1/19

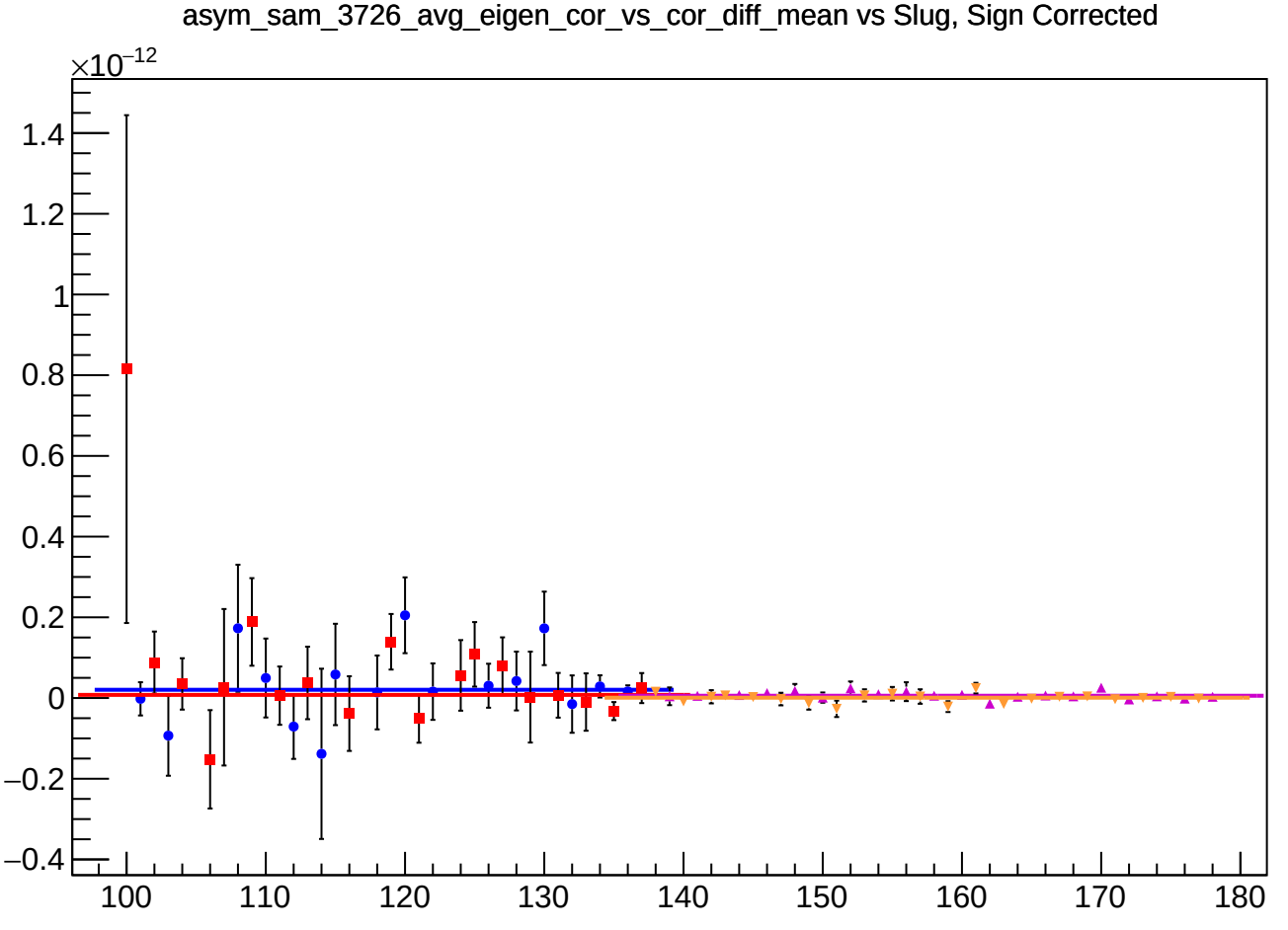
Left: 40.177+/-0.005 χ^2/NDF: 4128498.7/40

Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 41.077+/-0.006 χ^2/NDF:3263064.0/35

Out: 41.633+/-0.006 χ^2/NDF:4061035.9/39

All: 41.354+/-0.005 χ^2/NDF: 7327820.8/75



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:12.5/19

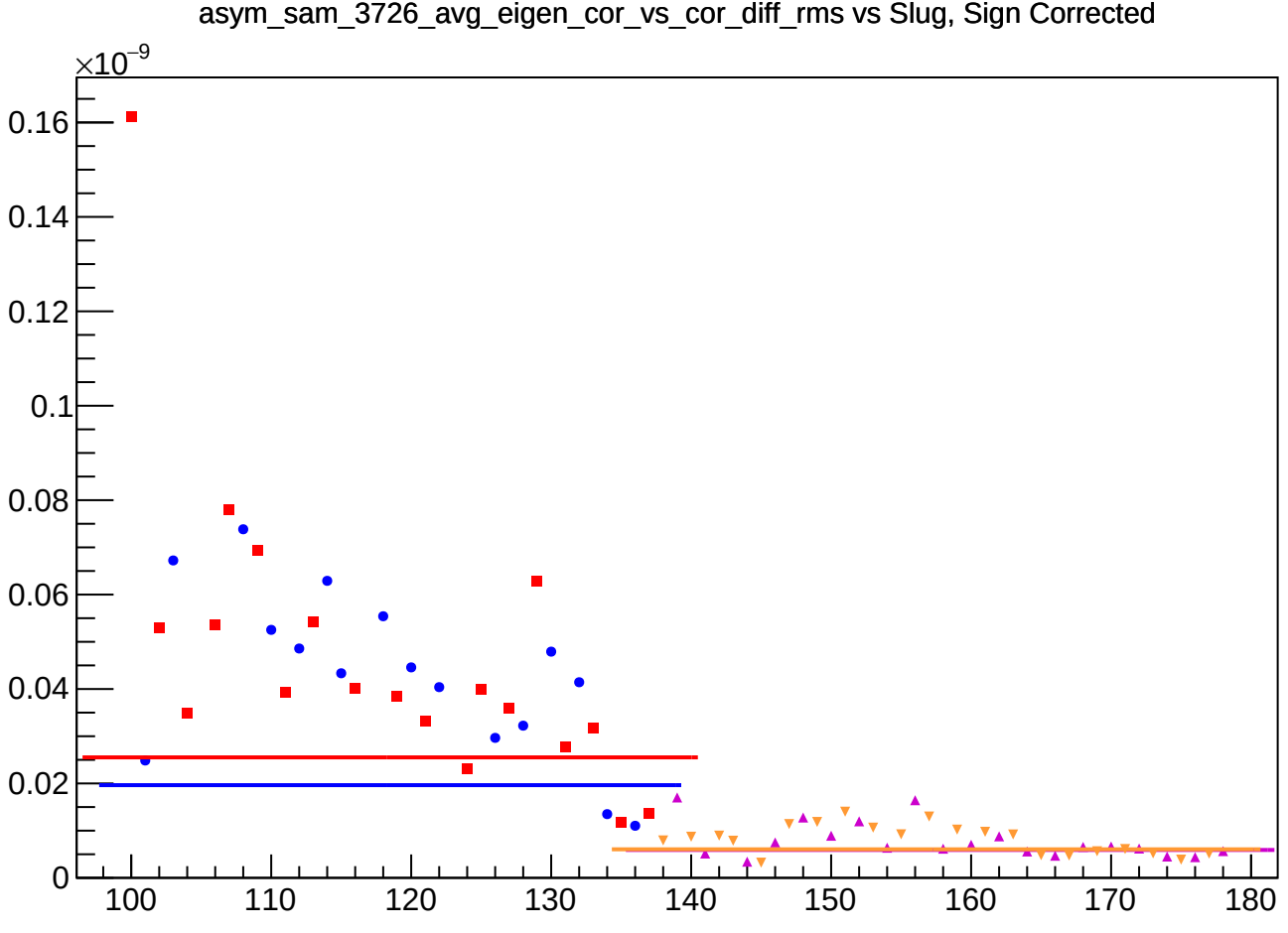
Left: 0.000+/-0.000 χ^2/NDF: 29.2/40

Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:26.0/35

Out: 0.000+/-0.000 χ^2/NDF:33.0/39

All: 0.000+/-0.000 χ^2/NDF: 62.1/75



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:2442390.5/19

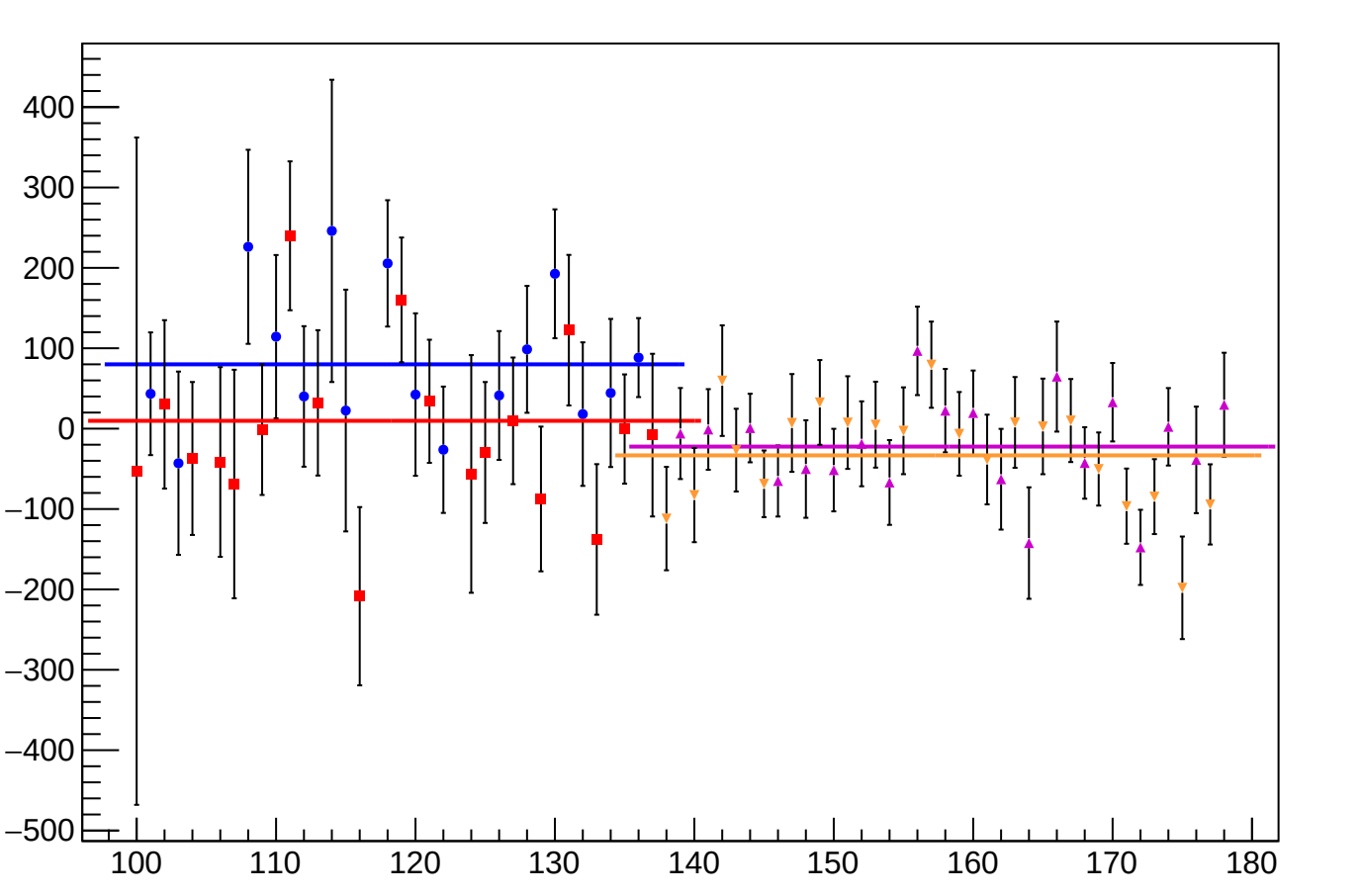
Left: 0.000+/-0.000 χ^2/NDF: 5567084.8/40

Right: 0.000+/-0.000 χ^2/NDF: 6166556.0/34

In: 0.000+/-0.000 χ^2/NDF:8599751.8/35

Out: 0.000+/-0.000 χ^2/NDF:9773464.5/39

All: 0.000+/-0.000 χ^2/NDF: 18376952.6/75



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: -22.346+/-11.820 χ^2/NDF:23.5/19

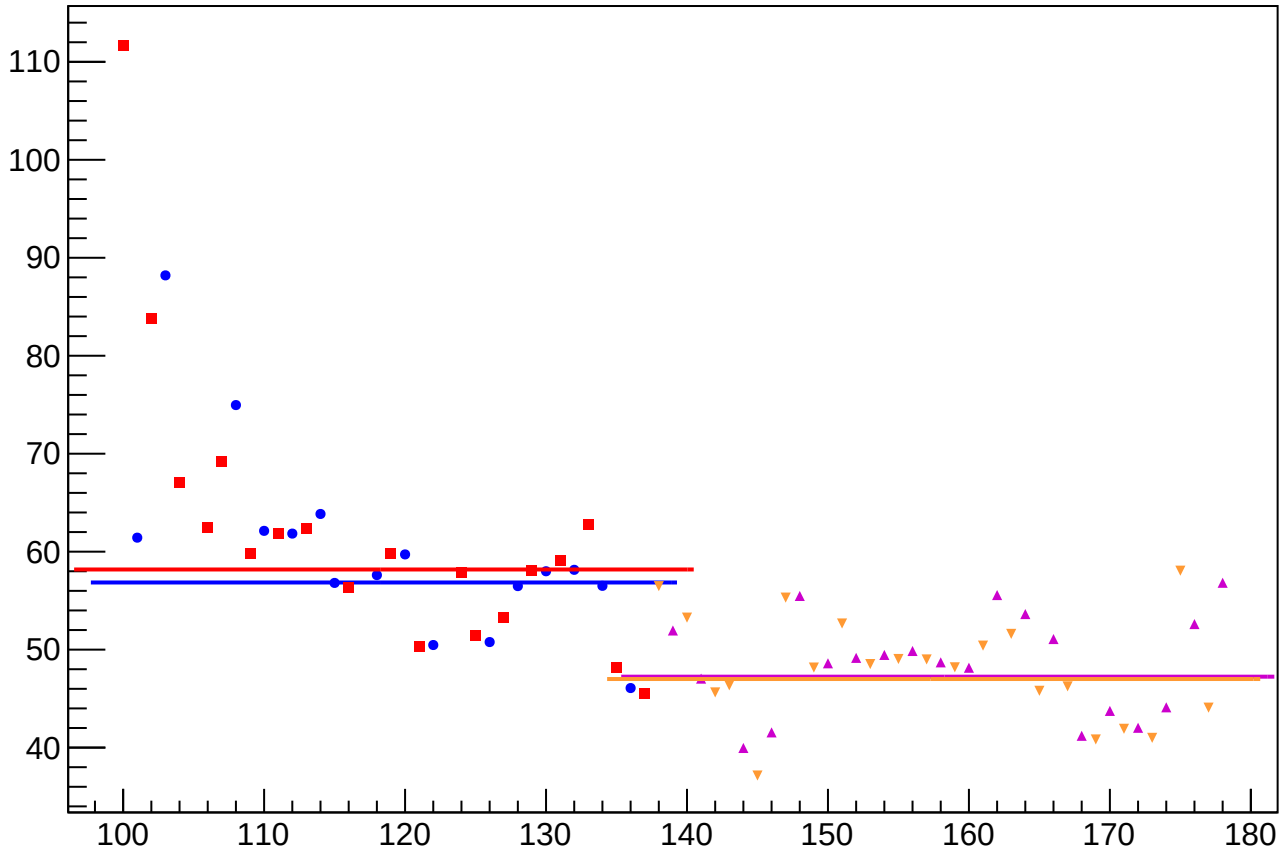
Left: -27.891+/-8.292 χ^2/NDF: 49.7/40

Right: 45.094+/-15.235 χ^2/NDF: 37.2/34

In: 1.449+/-10.355 χ^2/NDF:52.5/35

Out: -23.607+/-10.247 χ^2/NDF:49.2/39

All: -11.210+/-7.283 χ^2/NDF: 104.6/75



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: 47.240+/-0.008 χ^2/NDF:352584.5/19

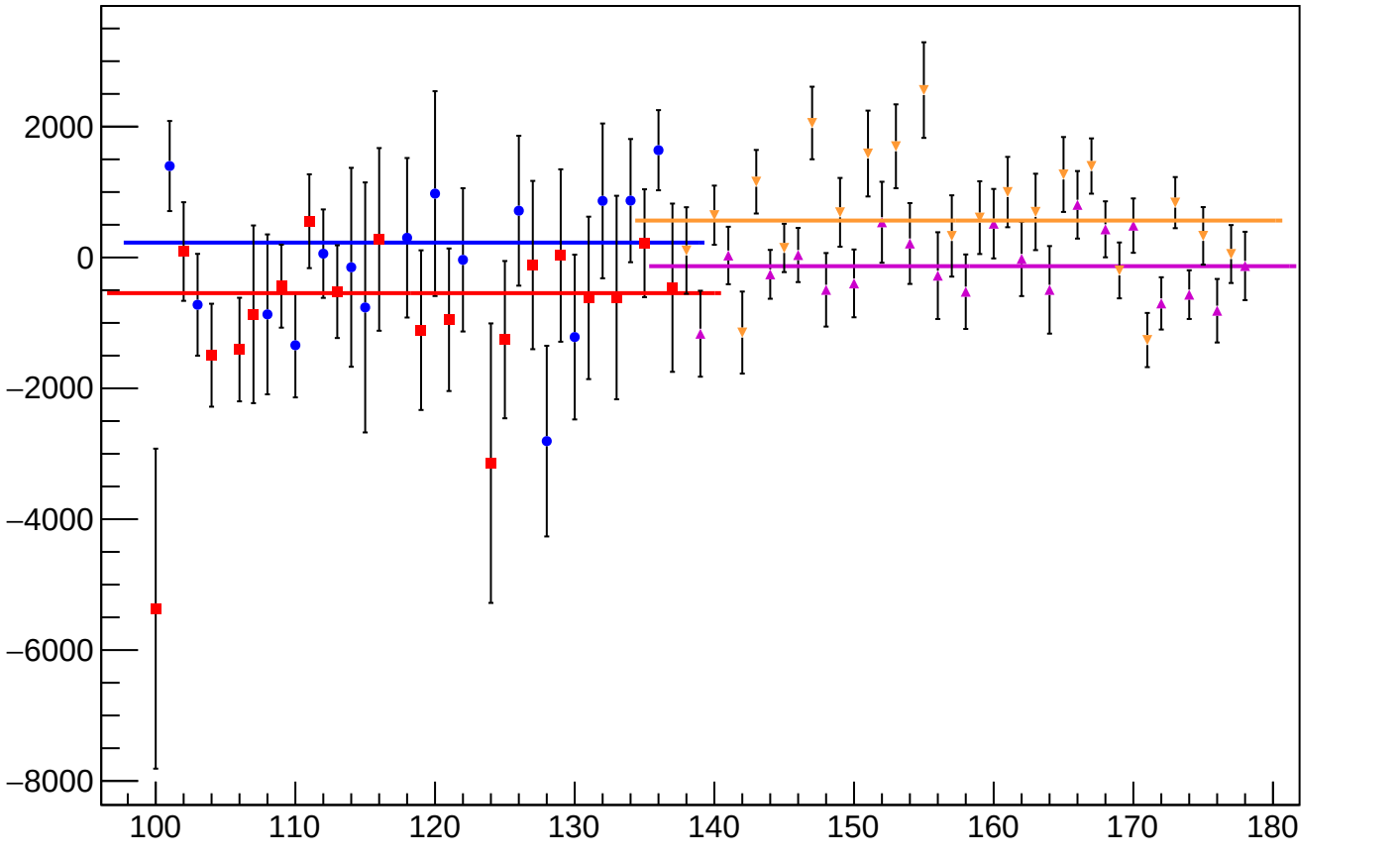
Left: 47.118+/-0.006 χ^2/NDF: 781730.5/40

Right: 57.513+/-0.011 χ^2/NDF: 660056.1/34

In: 49.475+/-0.007 χ^2/NDF:1001889.4/35

Out: 49.513+/-0.007 χ^2/NDF:1158210.0/39

All: 49.494+/-0.005 χ^2/NDF: 2160112.8/75



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: -132.696+/-109.583 χ^2/NDF:20.0/19

Left: 217.037+/-77.367 χ^2/NDF: 102.4/40

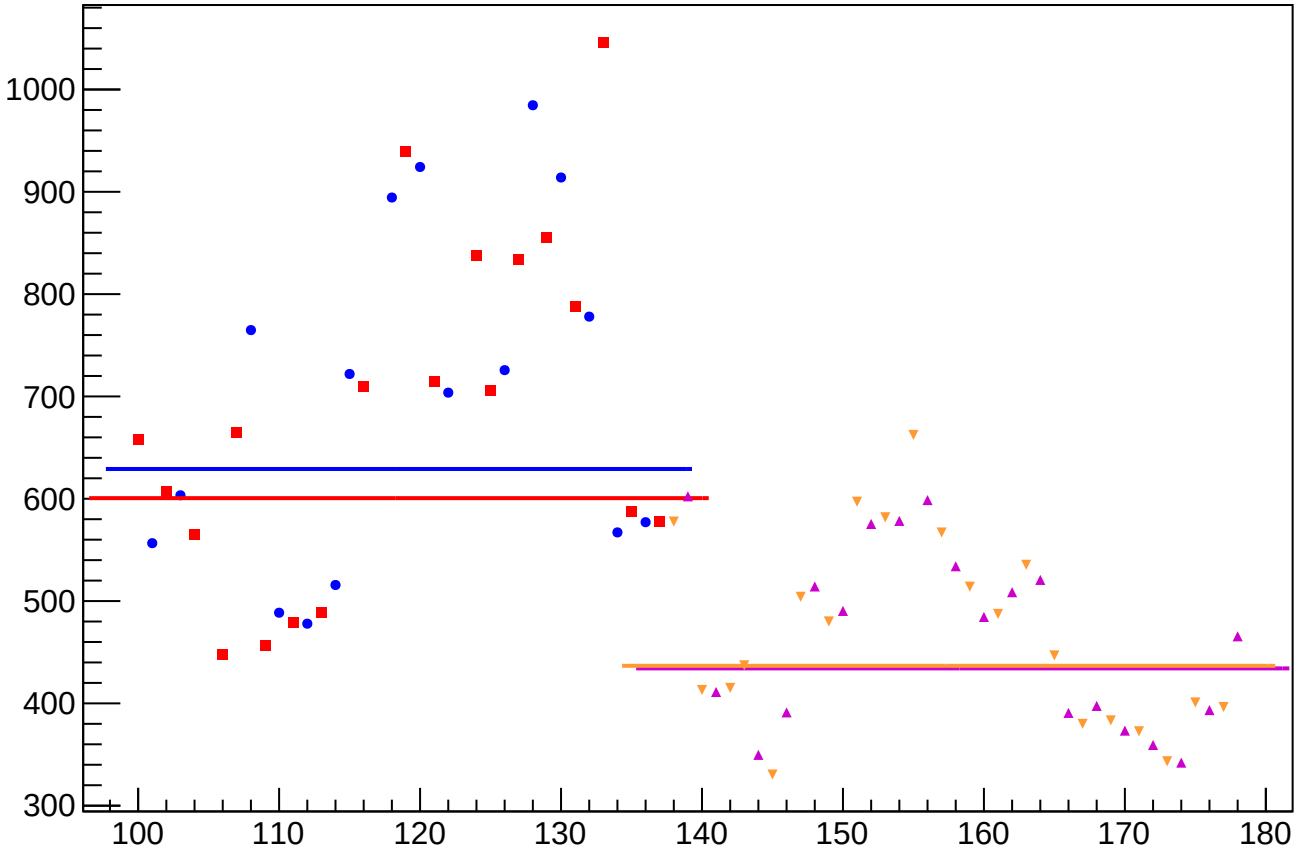
Right: -181.660+/-165.407 χ^2/NDF: 40.4/34

In: -71.078+/-99.771 χ^2/NDF:43.5/35

Out: 356.357+/-98.459 χ^2/NDF:94.8/39

All: 145.468+/-70.080 χ^2/NDF: 147.6/75

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: 434.178+/-0.077 χ^2/NDF:1093639.8/19

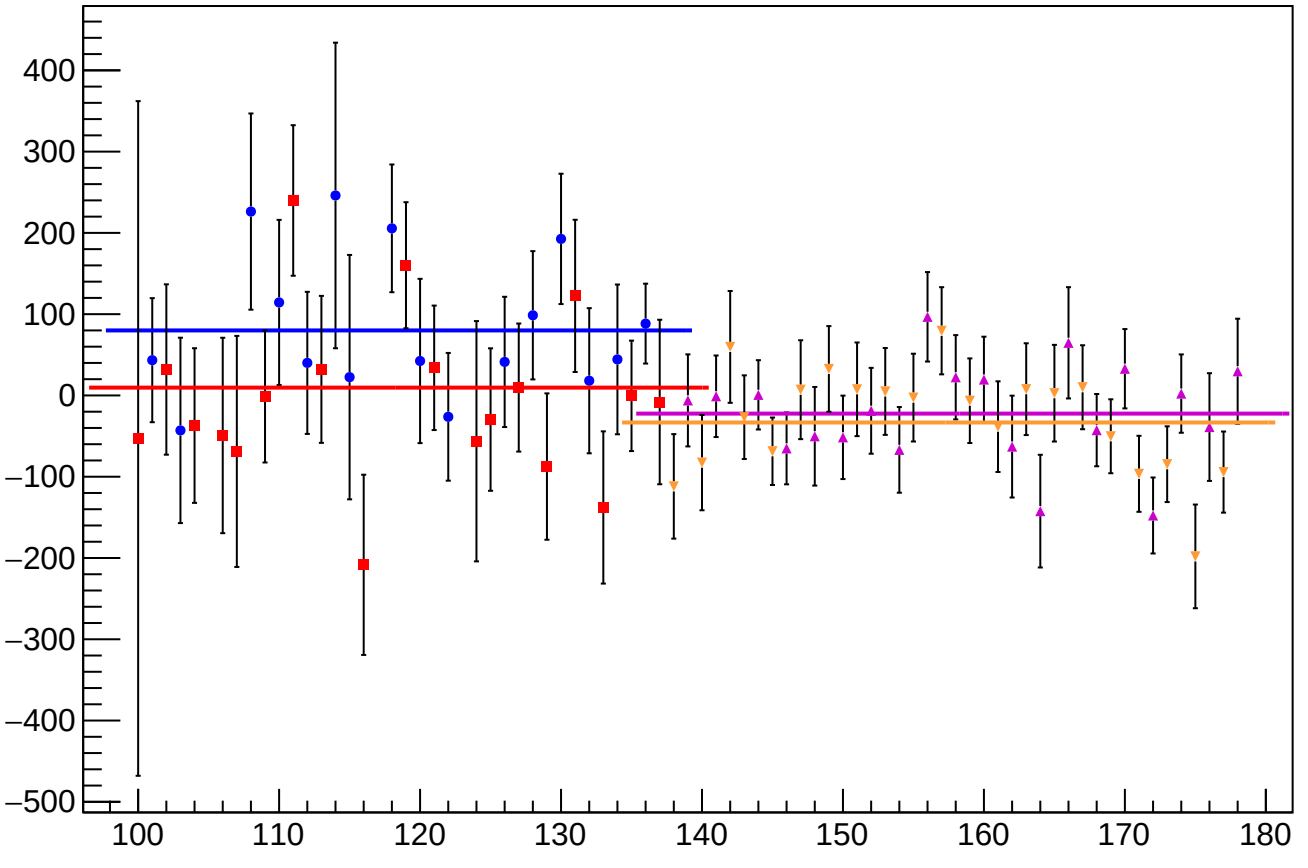
Left: 435.448+/-0.055 χ^2/NDF: 2275231.8/40

Right: 613.994+/-0.117 χ^2/NDF: 1582132.3/34

In: 467.521+/-0.071 χ^2/NDF:2868819.0/35

Out: 467.475+/-0.070 χ^2/NDF:2900601.7/39

All: 467.498+/-0.050 χ^2/NDF: 5769420.9/75



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: -22.347+/-11.820 χ^2/NDF:23.5/19

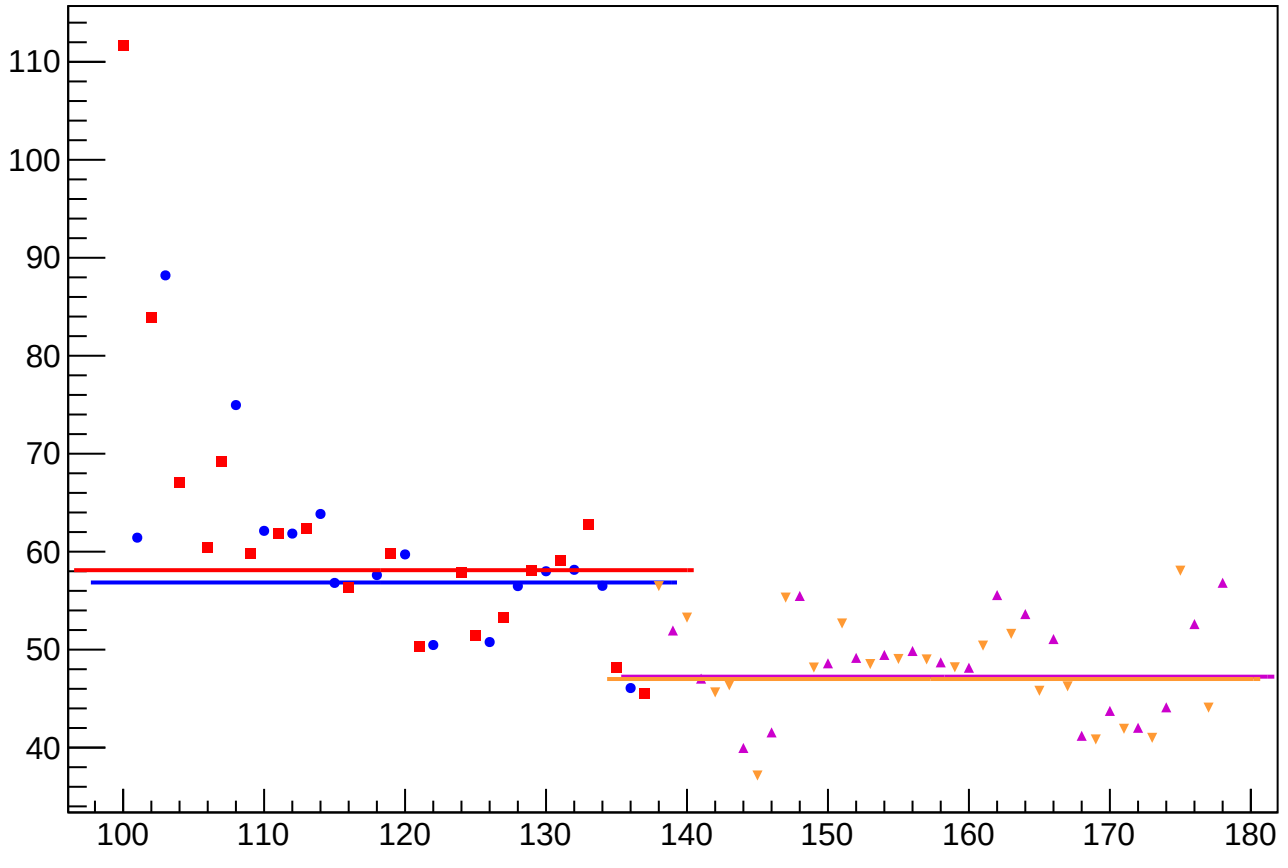
Left: -27.894+/-8.292 χ^2/NDF: 49.7/40

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 1.449+/-10.355 χ^2/NDF:52.5/35

Out: -23.643+/-10.248 χ^2/NDF:49.2/39

All: -11.227+/-7.284 χ^2/NDF: 104.6/75



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: 47.240+/-0.008 χ^2/NDF:352584.5/19

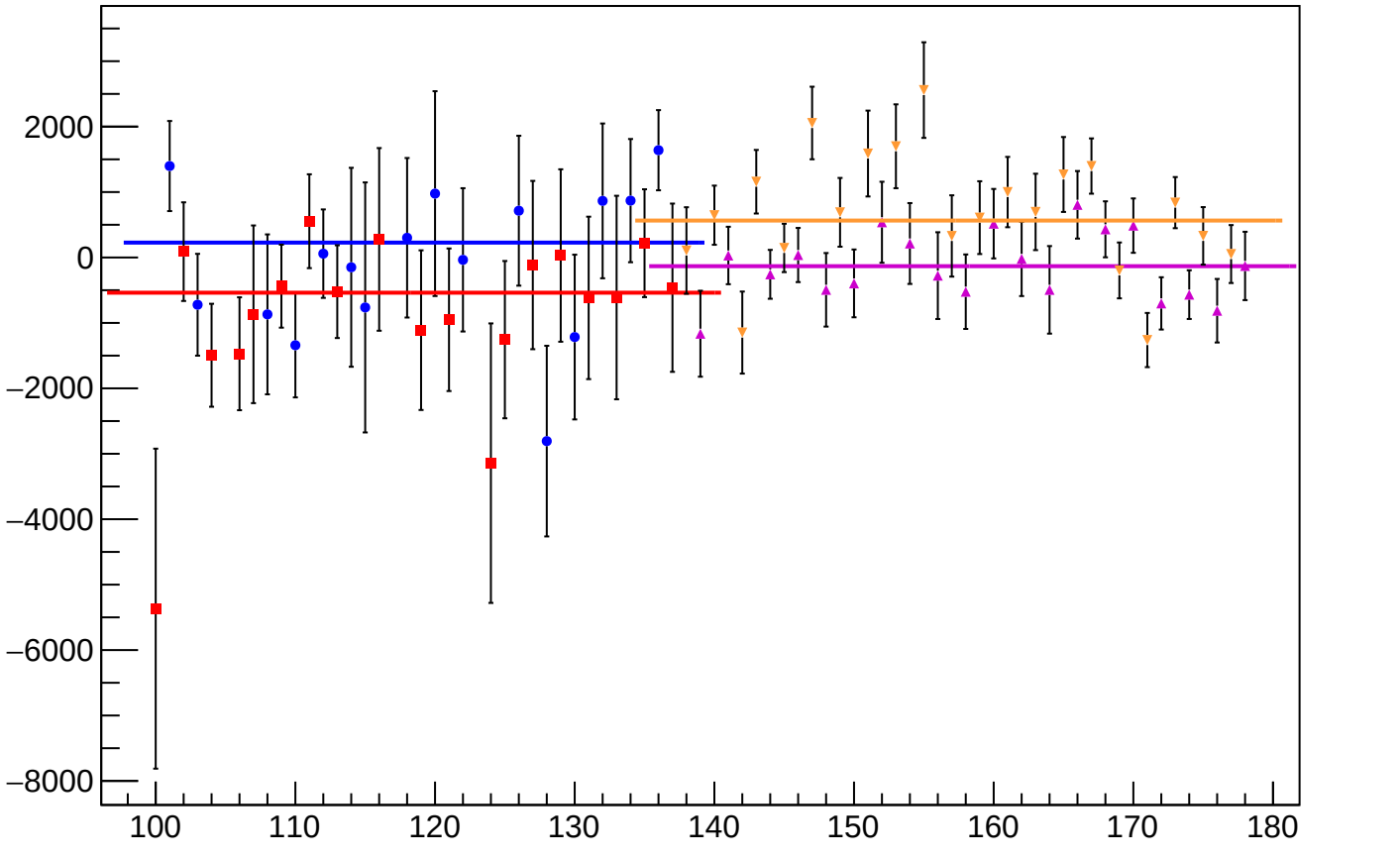
Left: 47.118+/-0.006 χ^2/NDF: 781730.5/40

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 49.475+/-0.007 χ^2/NDF:1001893.5/35

Out: 49.494+/-0.007 χ^2/NDF:1150857.7/39

All: 49.485+/-0.005 χ^2/NDF: 2152754.7/75



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: -132.698+/-109.583 χ^2/NDF:20.0/19

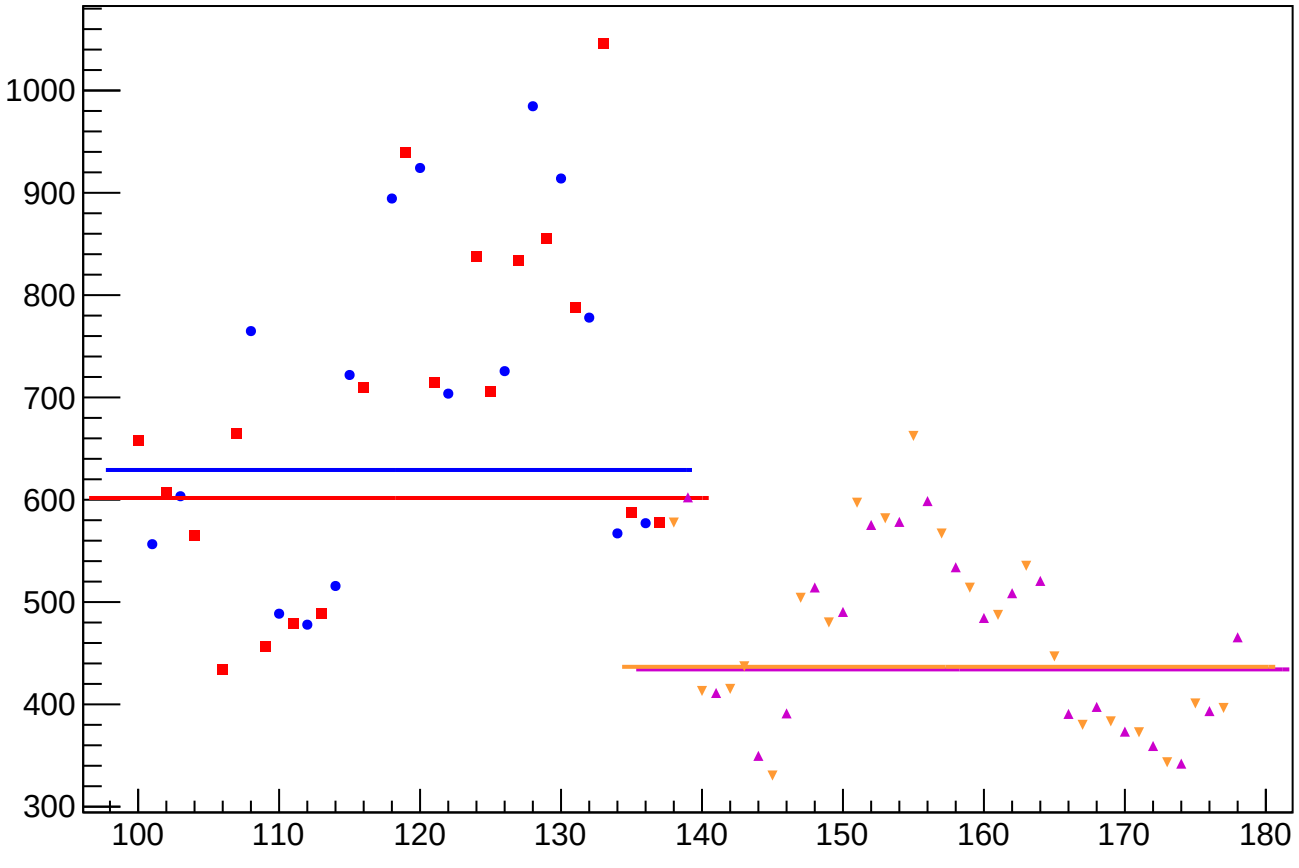
Left: 217.034+/-77.367 χ^2/NDF: 102.4/40

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -71.074+/-99.771 χ^2/NDF:43.5/35

Out: 359.824+/-98.581 χ^2/NDF:94.3/39

All: 146.960+/-70.124 χ^2/NDF: 147.3/75



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: 434.178+/-0.077 χ^2/NDF:1093639.6/19

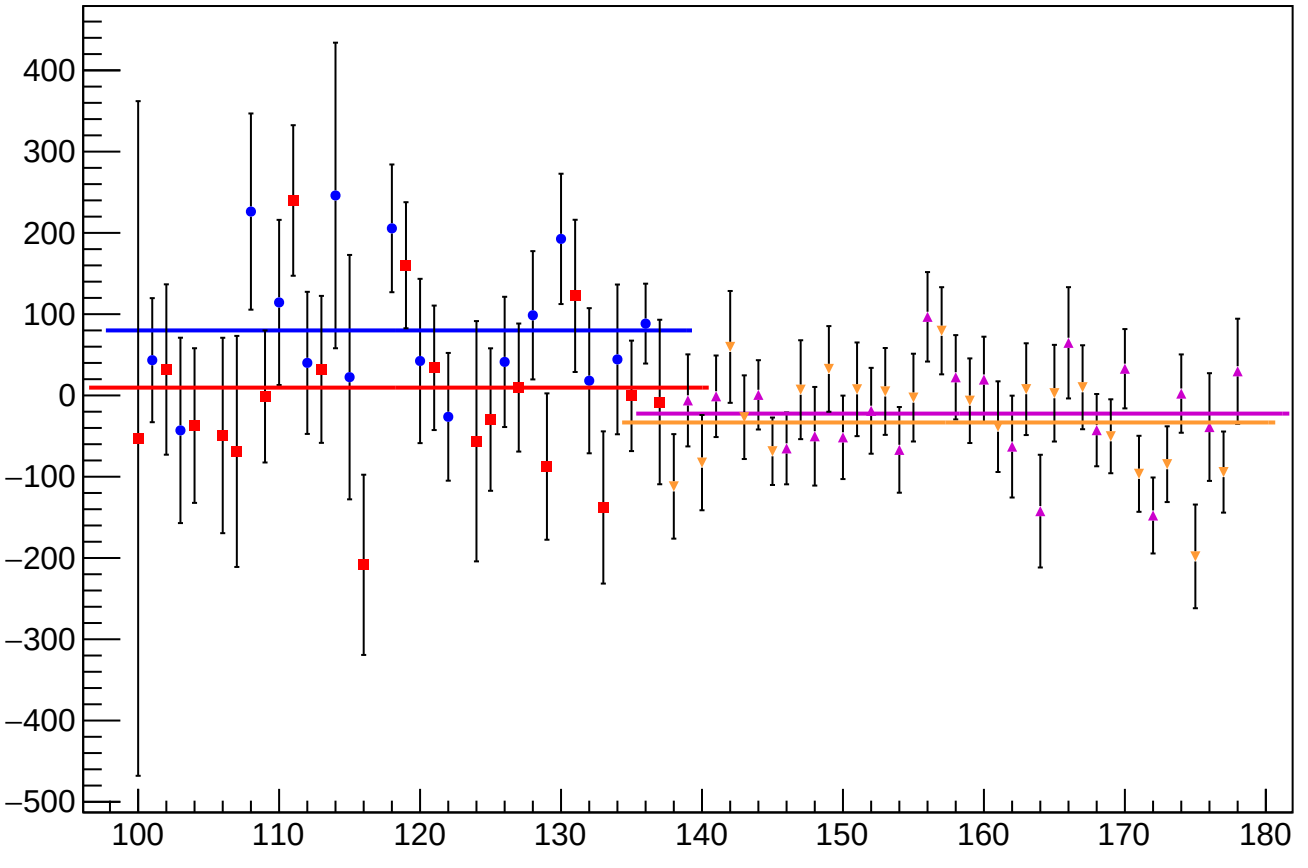
Left: 435.448+/-0.055 χ^2/NDF: 2275231.7/40

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 467.522+/-0.071 χ^2/NDF:2868848.7/35

Out: 467.355+/-0.070 χ^2/NDF:2902509.0/39

All: 467.437+/-0.050 χ^2/NDF: 5771360.5/75



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: -22.347+/-11.820 χ^2/NDF:23.5/19

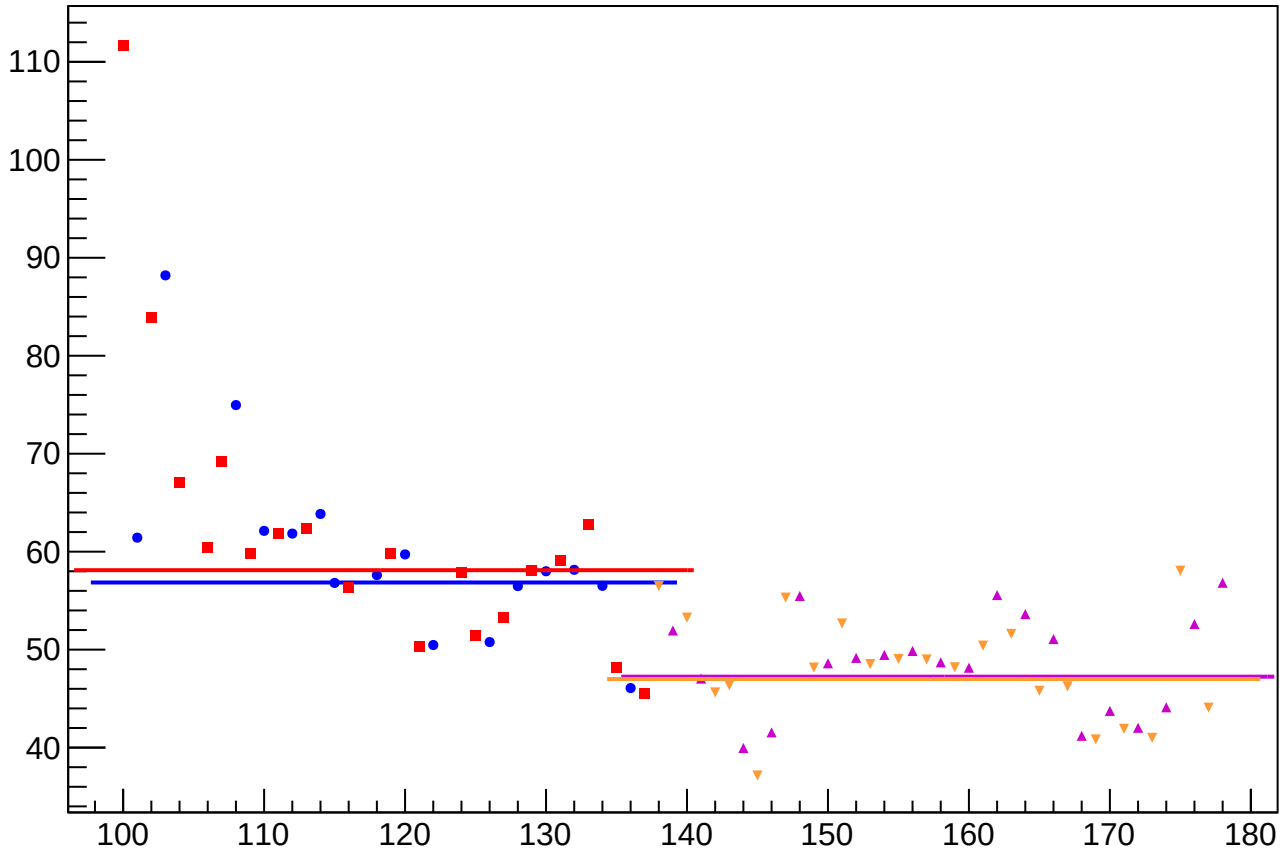
Left: -27.894+/-8.292 χ^2/NDF: 49.7/40

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 1.449+/-10.355 χ^2/NDF:52.5/35

Out: -23.643+/-10.248 χ^2/NDF:49.2/39

All: -11.227+/-7.284 χ^2/NDF: 104.6/75



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: 47.240+/-0.008 χ^2/NDF:352584.5/19

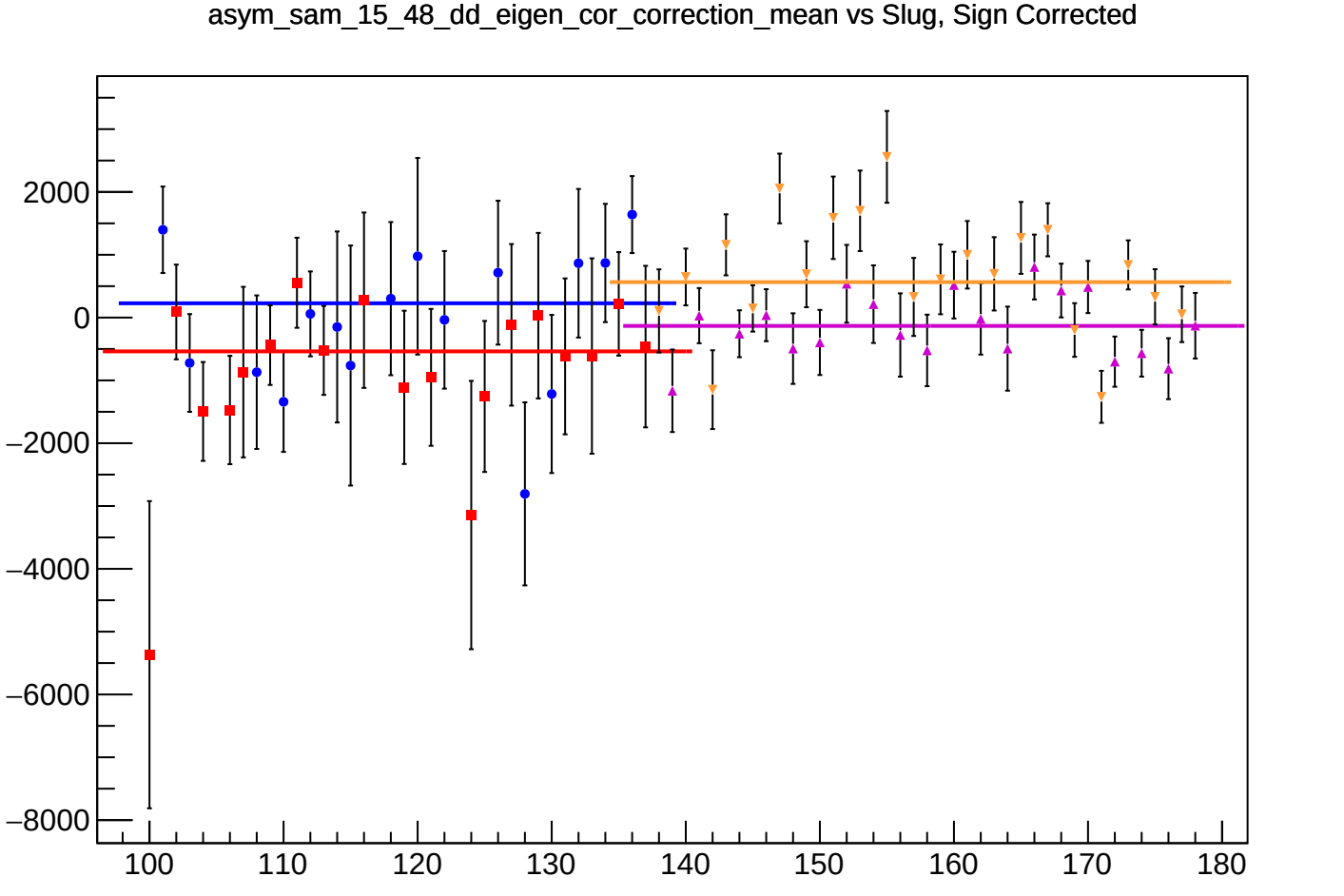
Left: 47.118+/-0.006 χ^2/NDF: 781730.5/40

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 49.475+/-0.007 χ^2/NDF:1001893.5/35

Out: 49.494+/-0.007 χ^2/NDF:1150857.7/39

All: 49.485+/-0.005 χ^2/NDF: 2152754.7/75



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: -132.698+/-109.583 χ^2/NDF:20.0/19

Left: 217.034+/-77.367 χ^2/NDF: 102.4/40

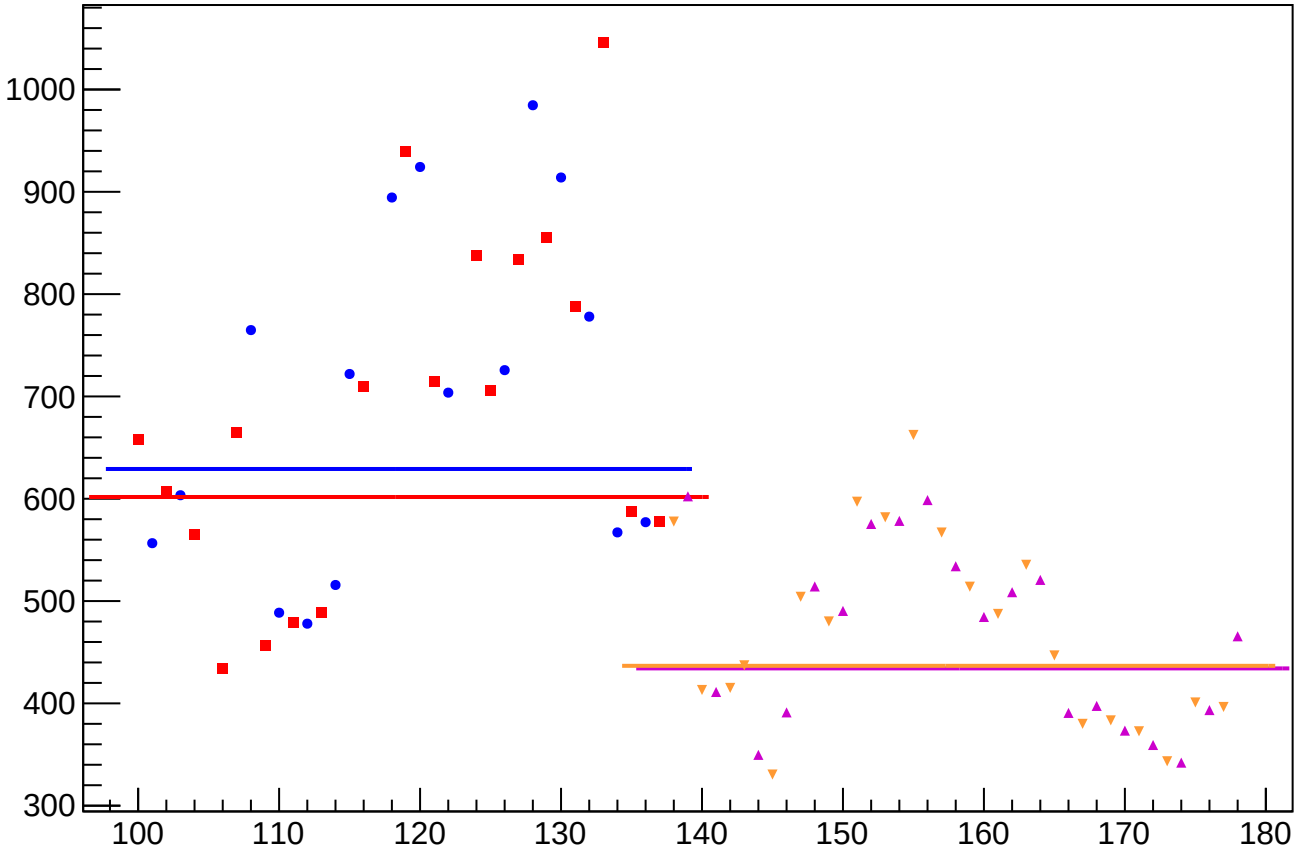
Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -71.074+/-99.771 χ^2/NDF:43.5/35

Out: 359.824+/-98.581 χ^2/NDF:94.3/39

All: 146.960+/-70.124 χ^2/NDF: 147.3/75

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: 434.178+/-0.077 χ^2/NDF:1093639.6/19

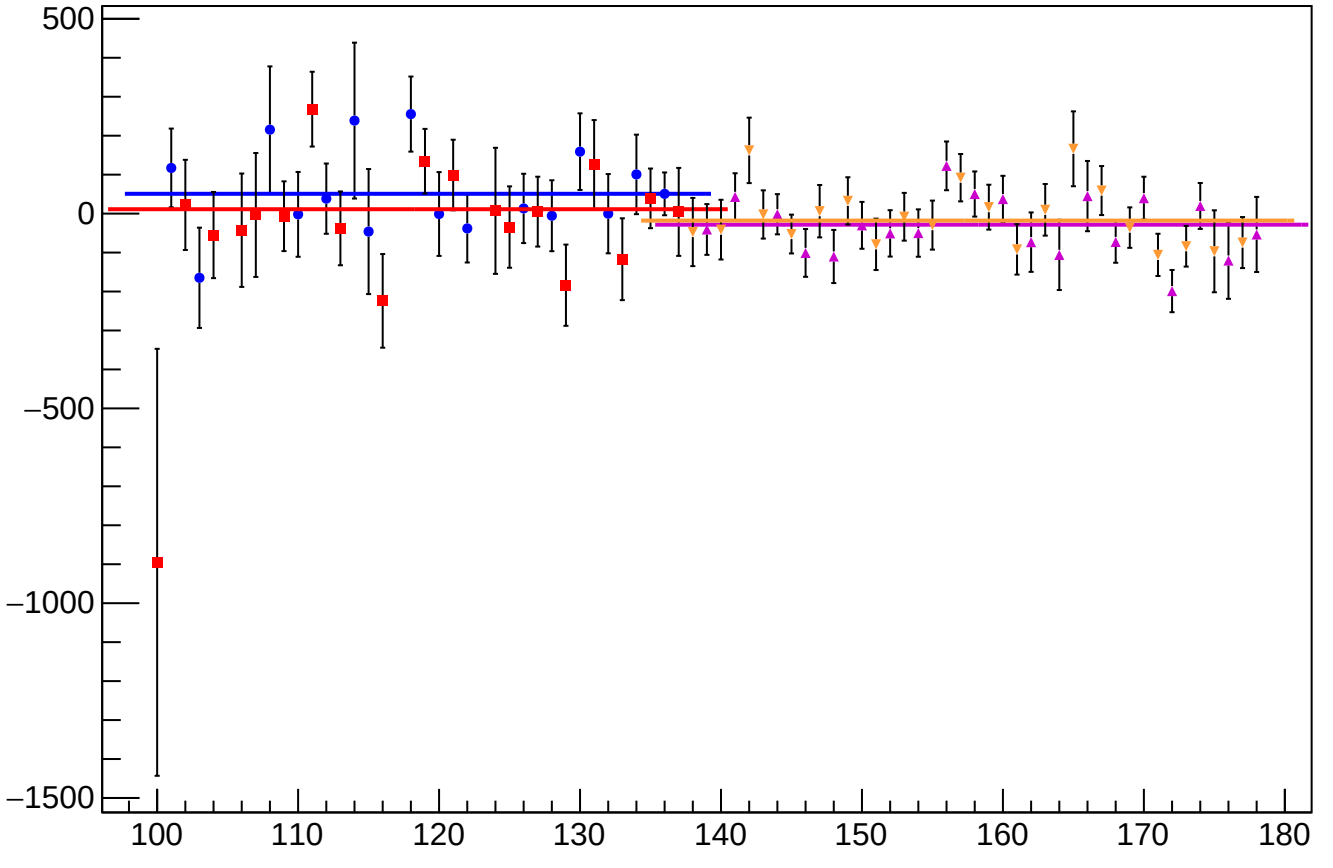
Left: 435.448+/-0.055 χ^2/NDF: 2275231.7/40

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 467.522+/-0.071 χ^2/NDF:2868848.7/35

Out: 467.355+/-0.070 χ^2/NDF:2902509.0/39

All: 467.437+/-0.050 χ^2/NDF: 5771360.5/75



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: -28.438+/-14.192 χ^2/NDF:29.2/19

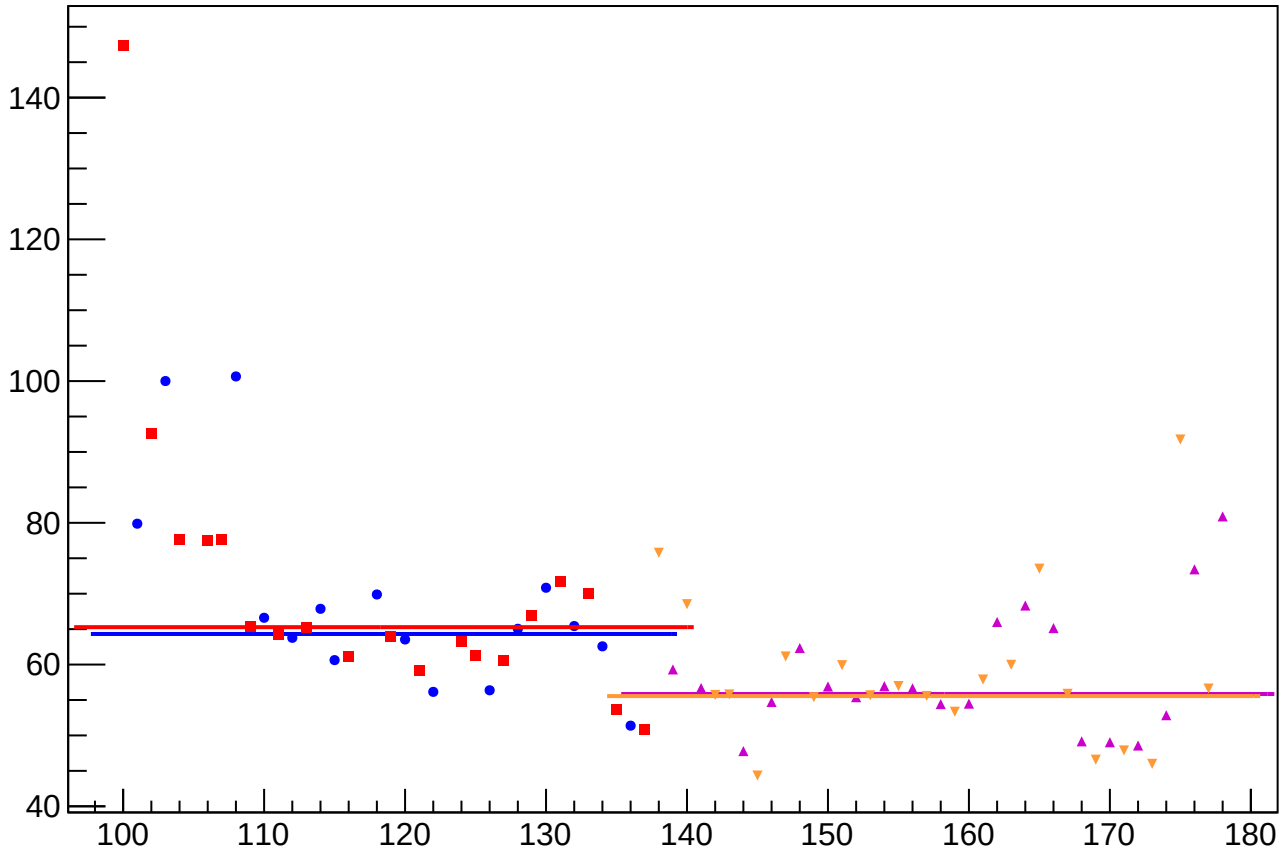
Left: -23.089+/-9.944 χ^2/NDF: 52.5/40

Right: 30.925+/-17.259 χ^2/NDF: 39.1/34

In: -8.505+/-12.279 χ^2/NDF:50.8/35

Out: -10.714+/-12.093 χ^2/NDF:48.1/39

All: -9.627+/-8.616 χ^2/NDF: 99.0/75



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: 55.848+/-0.010 χ^2/NDF:474926.0/19

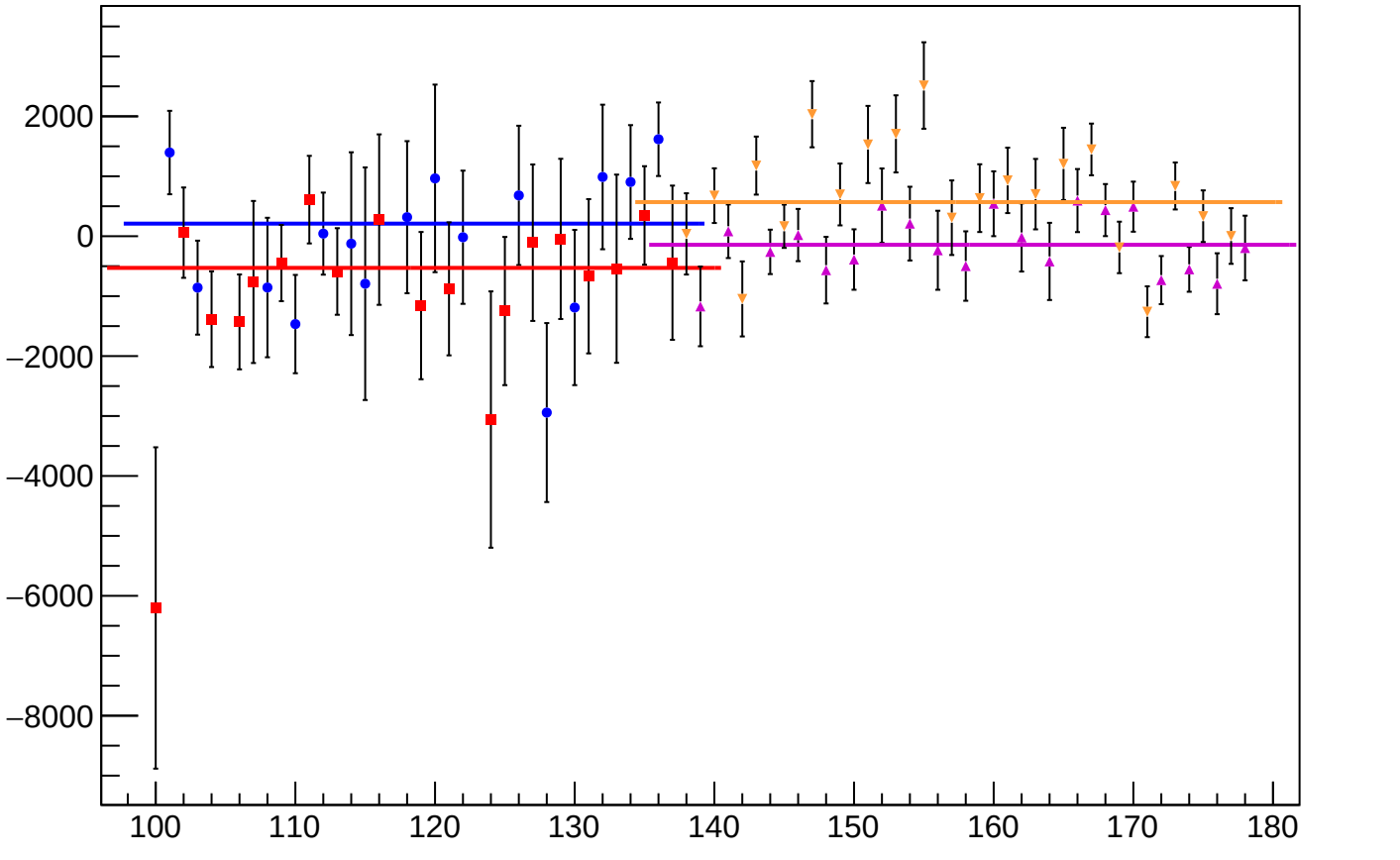
Left: 55.697+/-0.007 χ^2/NDF: 1252794.9/40

Right: 64.800+/-0.012 χ^2/NDF: 785637.7/34

In: 57.977+/-0.009 χ^2/NDF:1118900.2/35

Out: 57.956+/-0.009 χ^2/NDF:1337275.9/39

All: 57.966+/-0.006 χ^2/NDF: 2456179.1/75



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: -143.589+/-110.588 χ^2/NDF:18.4/19

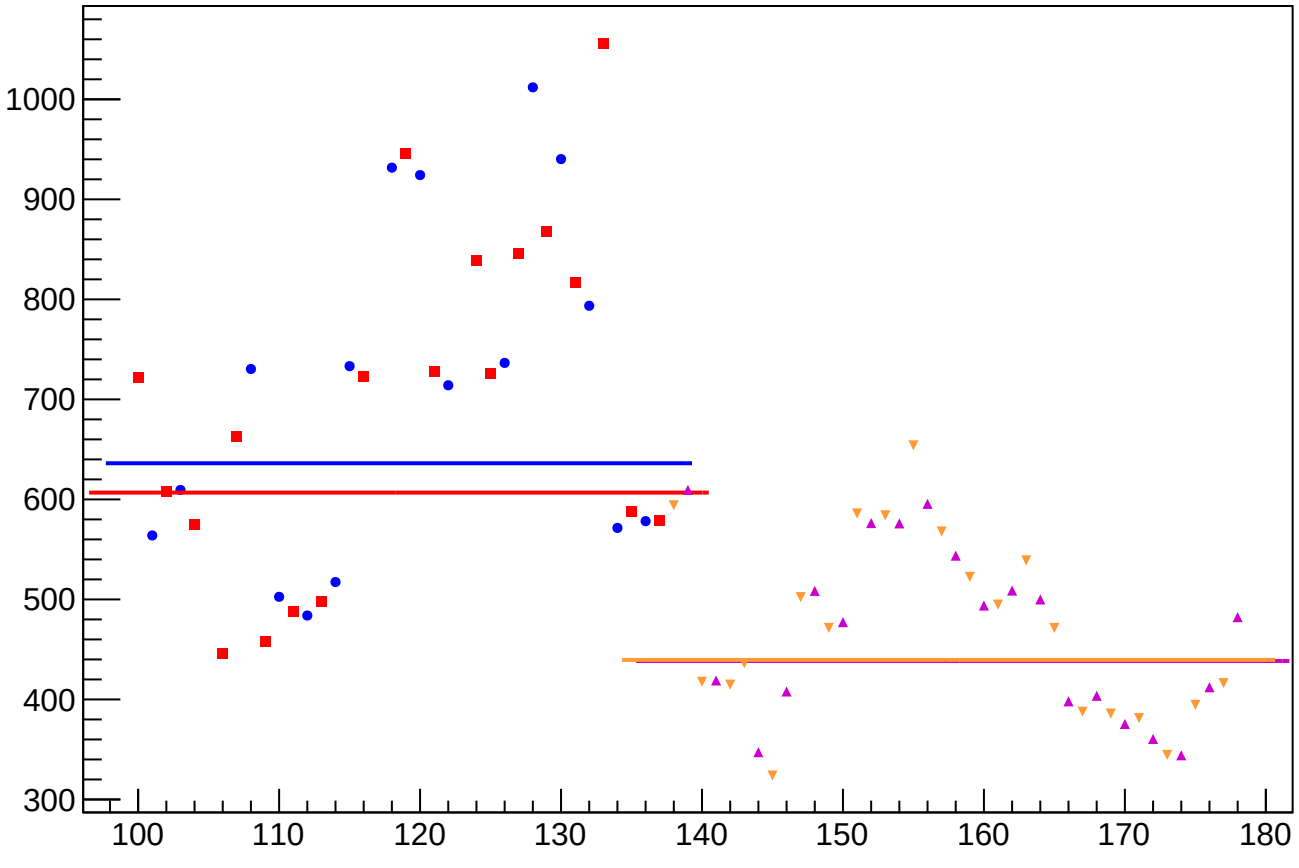
Left: 215.315+/-77.937 χ^2/NDF: 99.2/40

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -83.247+/-100.711 χ^2/NDF:42.6/35

Out: 365.025+/-99.103 χ^2/NDF:92.3/39

All: 144.498+/-70.638 χ^2/NDF: 145.0/75



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: 438.428+/-0.078 χ^2/NDF:1050446.3/19

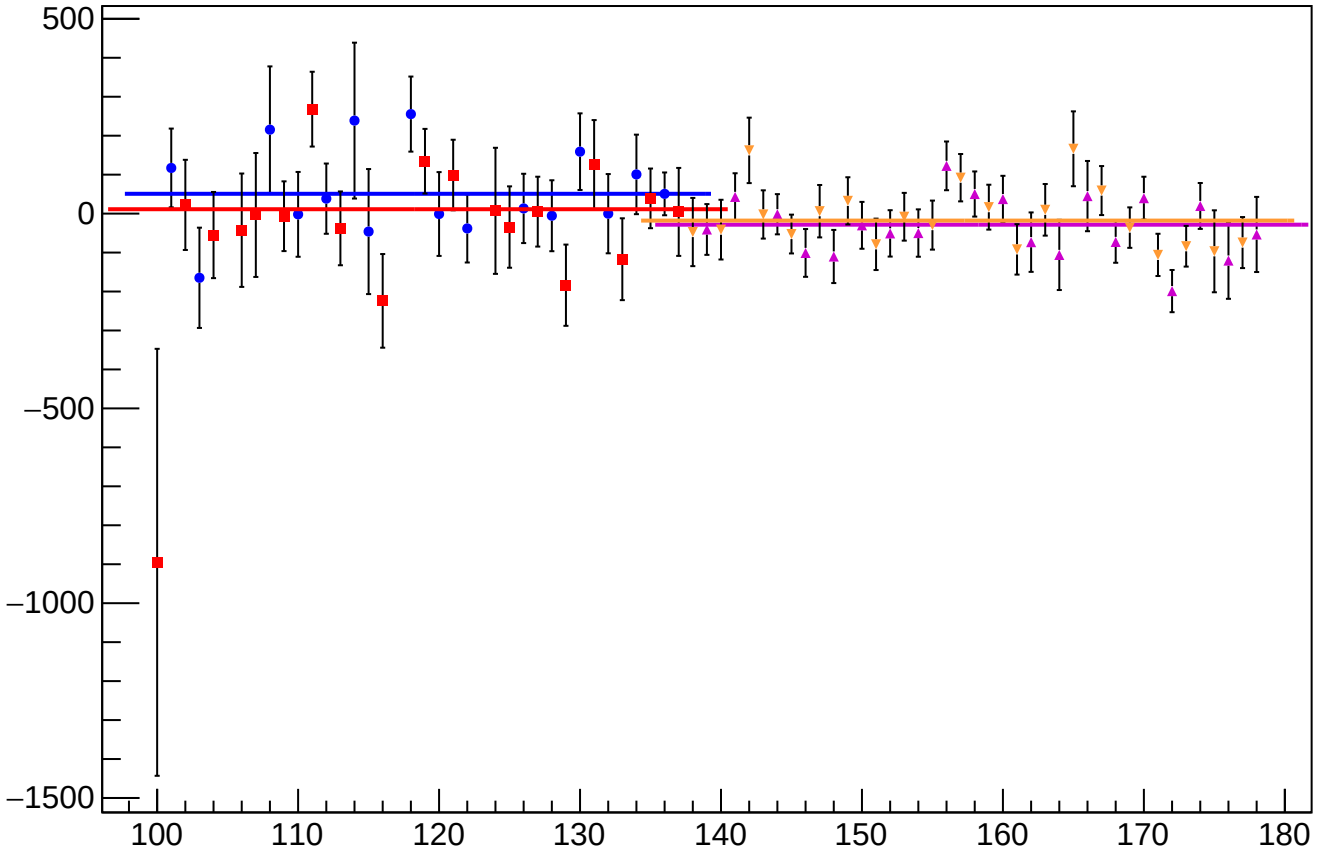
Left: 438.993+/-0.055 χ^2/NDF: 2235329.7/40

Right: 620.599+/-0.118 χ^2/NDF: 1614464.0/34

In: 472.168+/-0.071 χ^2/NDF:2846610.9/35

Out: 470.689+/-0.070 χ^2/NDF:2941762.8/39

All: 471.416+/-0.050 χ^2/NDF: 5788592.6/75



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: -28.438+/-14.192 χ^2/NDF:29.2/19

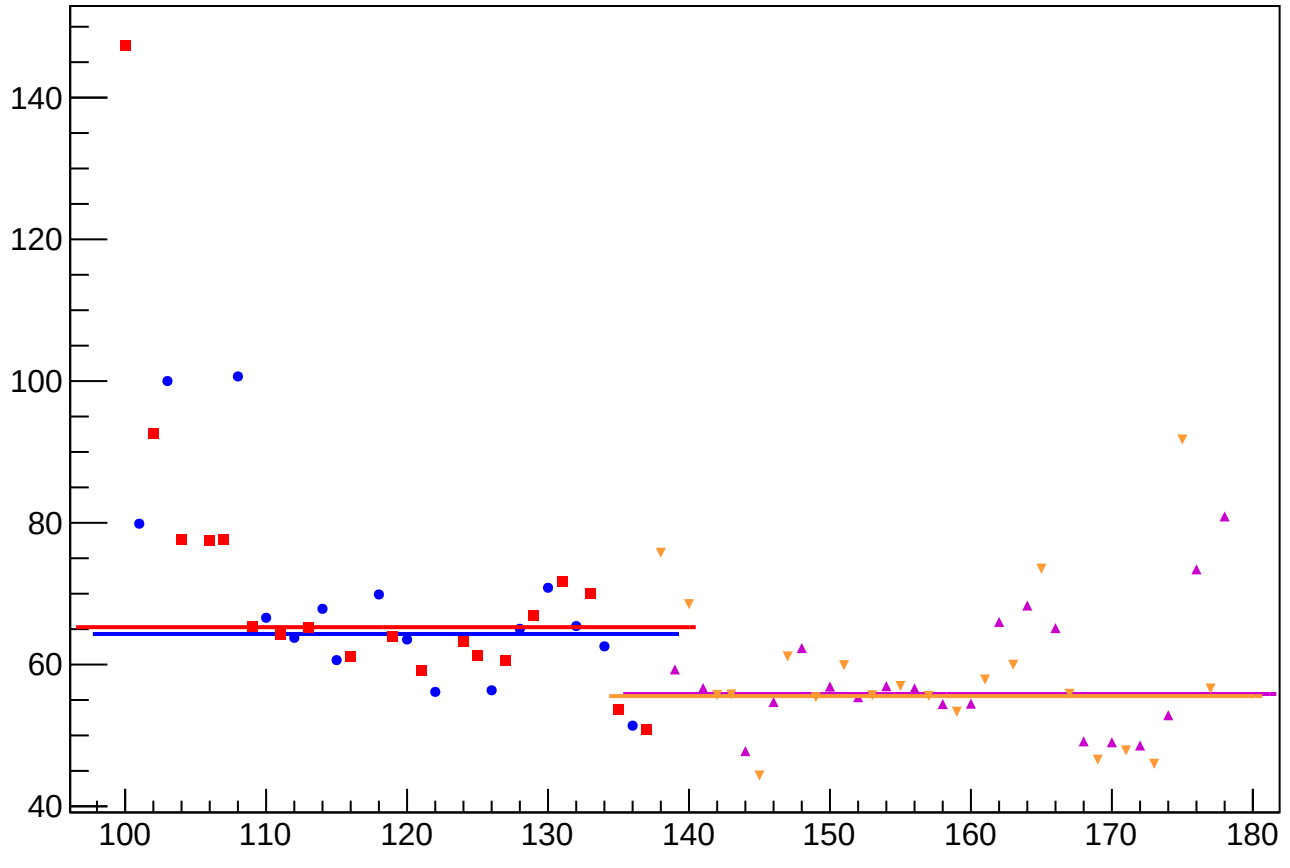
Left: -23.089+/-9.944 χ^2/NDF: 52.5/40

Right: 30.924+/-17.259 χ^2/NDF: 39.1/34

In: -8.506+/-12.279 χ^2/NDF:50.8/35

Out: -10.714+/-12.093 χ^2/NDF:48.1/39

All: -9.627+/-8.616 χ^2/NDF: 99.0/75



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: 55.848+/-0.010 χ^2/NDF:474920.5/19

Left: 55.697+/-0.007 χ^2/NDF: 1252777.4/40

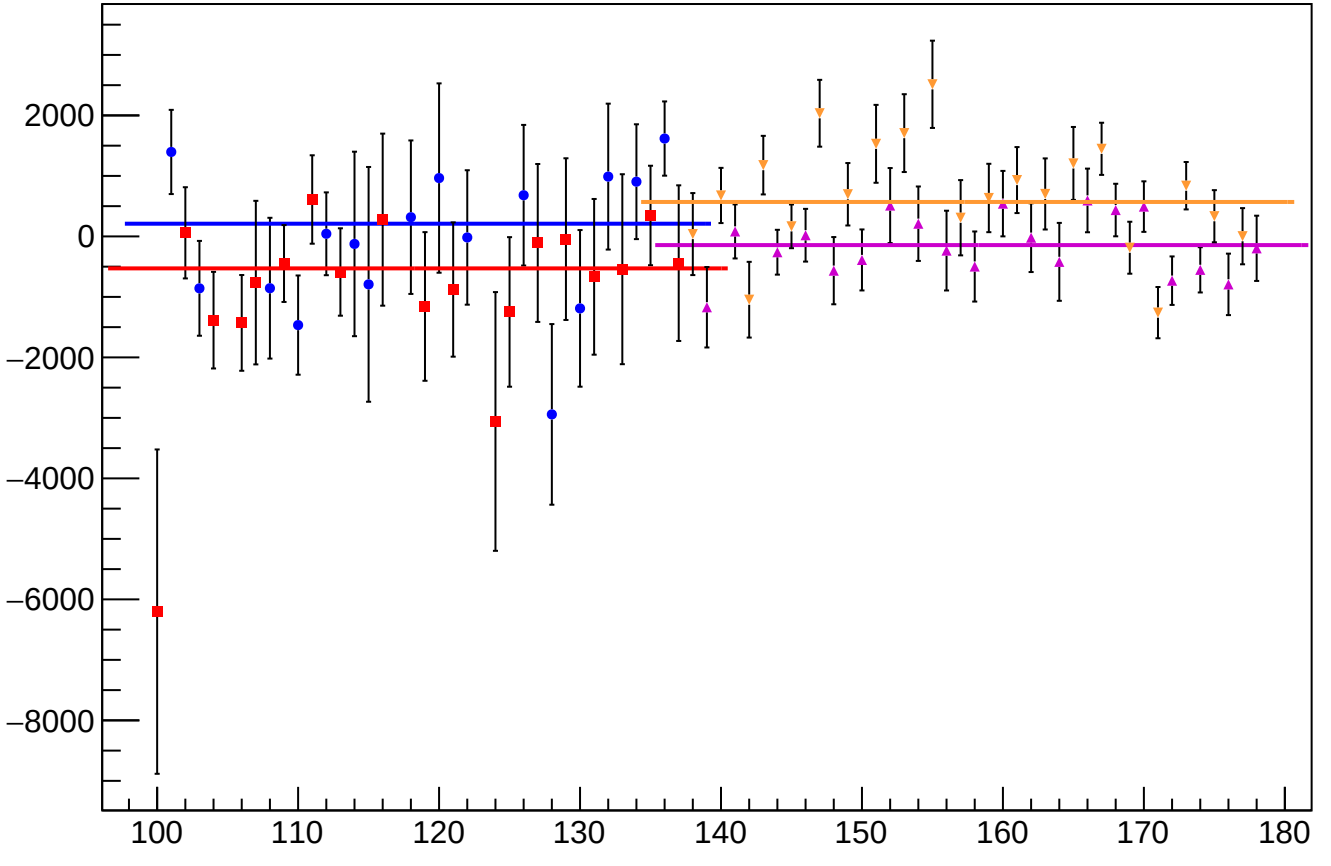
Right: 64.800+/-0.012 χ^2/NDF: 785639.3/34

In: 57.977+/-0.009 χ^2/NDF:1118887.2/35

Out: 57.956+/-0.009 χ^2/NDF:1337255.2/39

All: 57.966+/-0.006 χ^2/NDF: 2456145.4/75

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: -143.588+/-110.588 χ^2/NDF:18.4/19

Left: 215.315+/-77.937 χ^2/NDF: 99.2/40

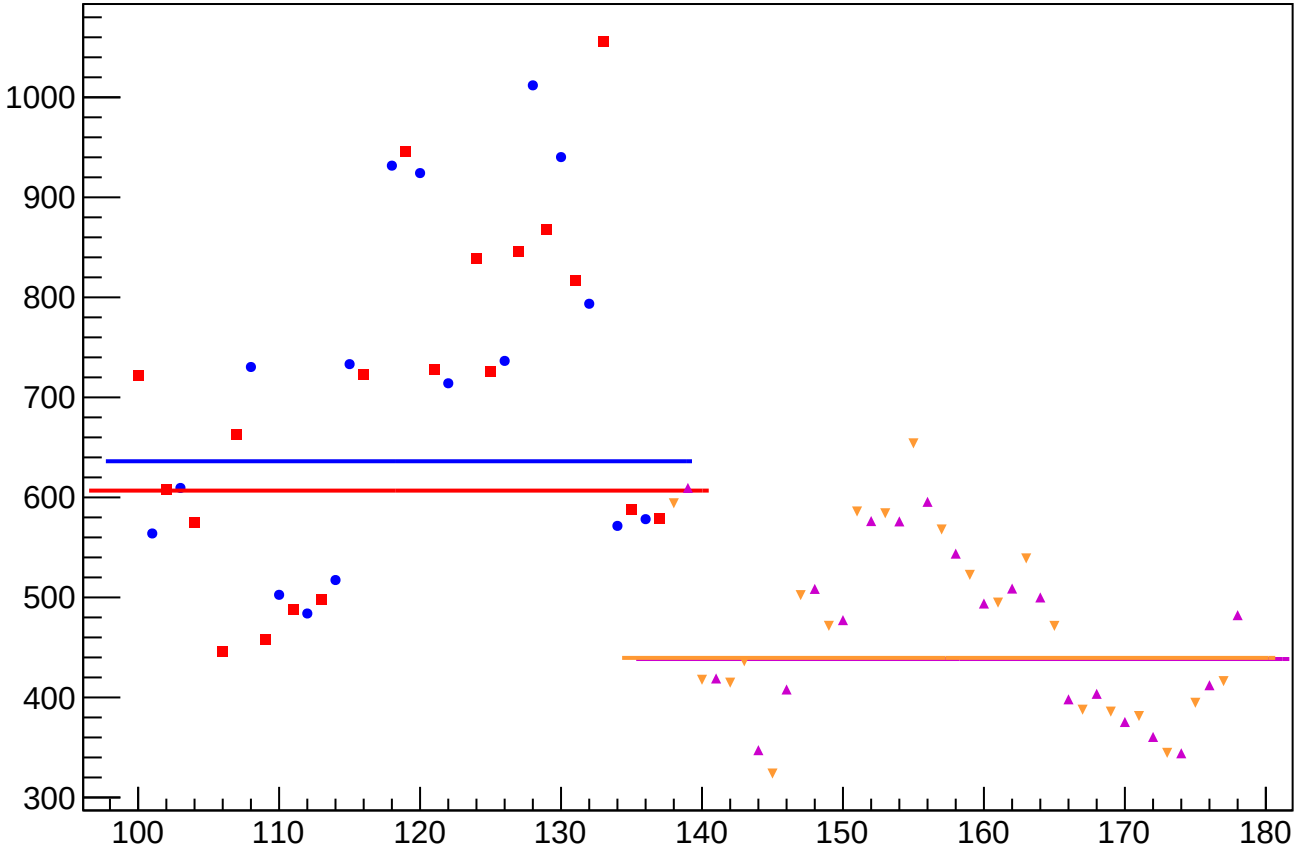
Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -83.247+/-100.711 χ^2/NDF:42.6/35

Out: 365.025+/-99.102 χ^2/NDF:92.3/39

All: 144.498+/-70.638 χ^2/NDF: 145.0/75

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: 438.427+/-0.078 χ^2/NDF:1050453.9/19

Left: 438.992+/-0.055 χ^2/NDF: 2235346.8/40

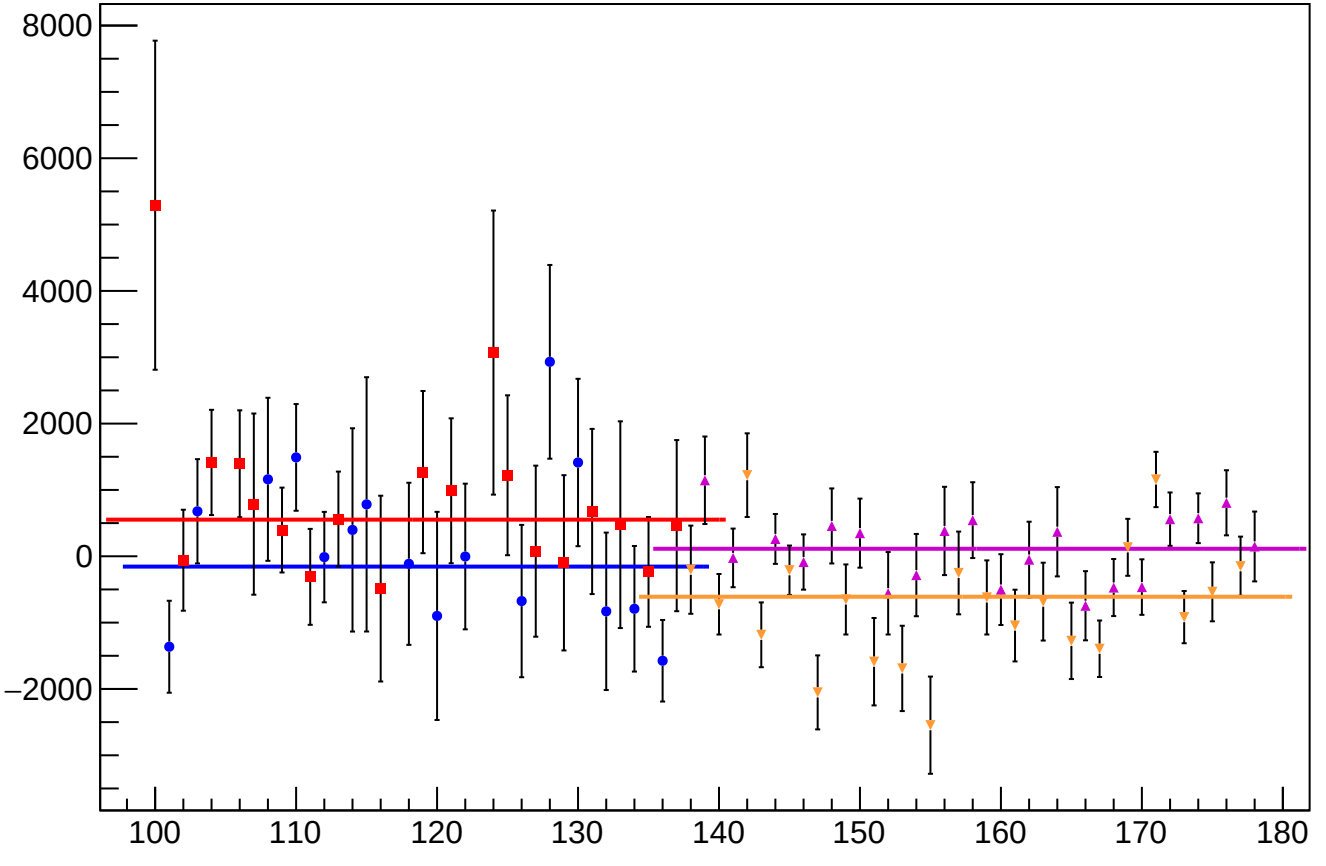
Right: 620.599+/-0.118 χ^2/NDF: 1614469.5/34

In: 472.166+/-0.071 χ^2/NDF:2846629.5/35

Out: 470.688+/-0.070 χ^2/NDF:2941779.2/39

All: 471.415+/-0.050 χ^2/NDF: 5788627.7/75

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: 113.028+/-110.295 χ^2/NDF:18.6/19

Left: -249.673+/-77.863 χ^2/NDF: 98.6/40

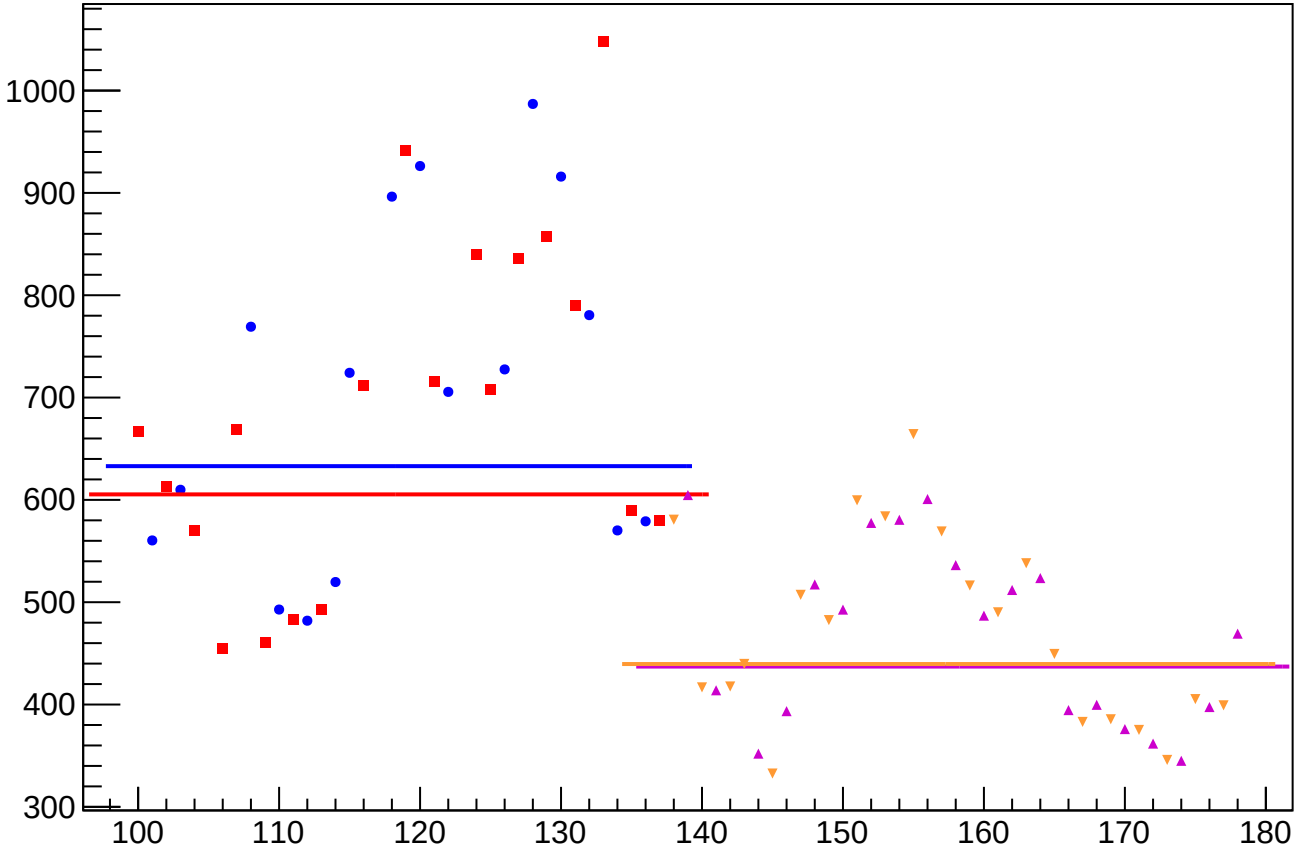
Right: 218.820+/-166.484 χ^2/NDF: 39.1/34

In: 67.005+/-100.405 χ^2/NDF:42.1/35

Out: -392.169+/-99.099 χ^2/NDF:91.6/39

All: -165.589+/-70.531 χ^2/NDF: 144.3/75

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: 437.104+/-0.078 χ^2/NDF:1079134.3/19

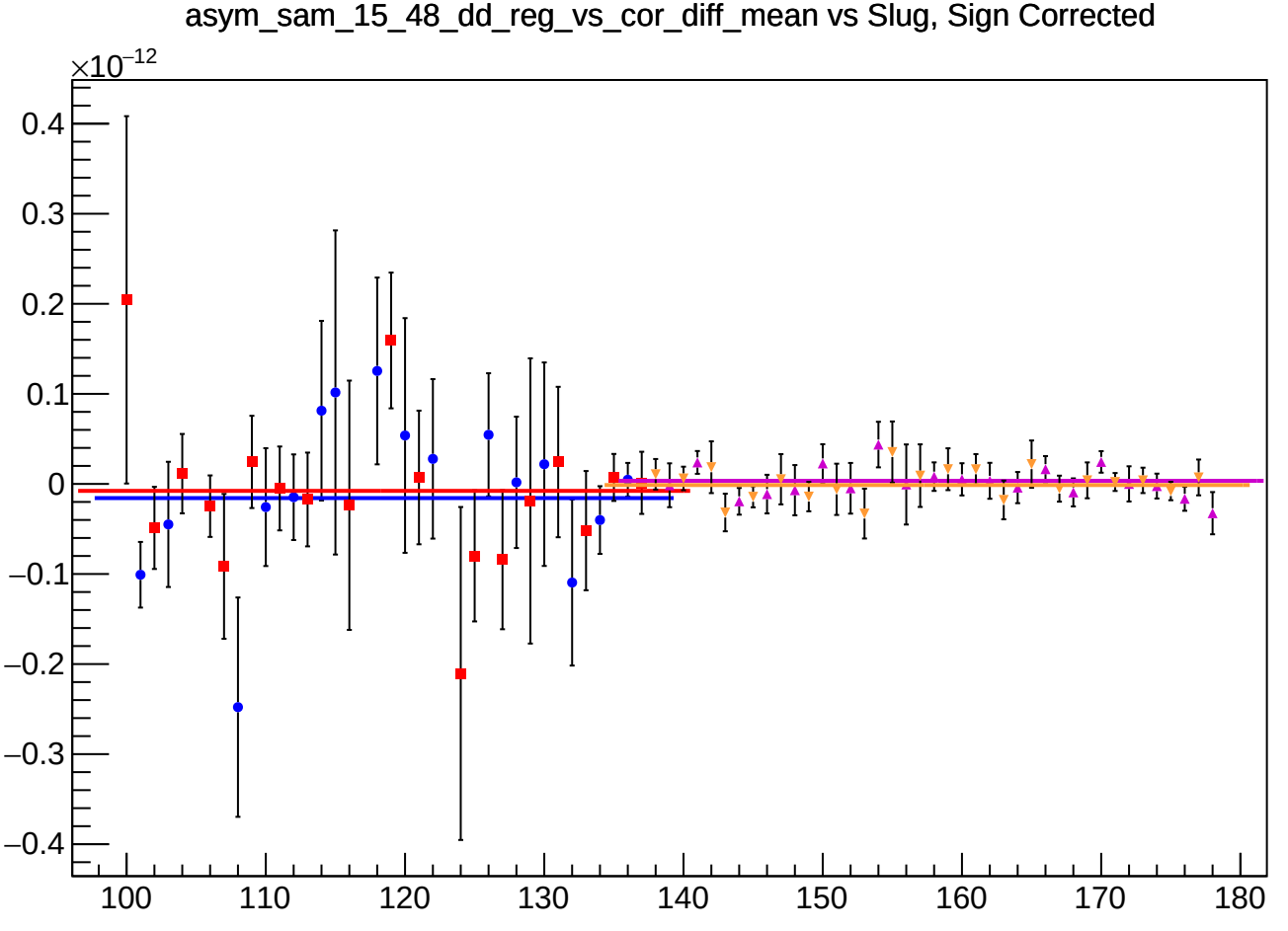
Left: 438.346+/-0.055 χ^2/NDF: 2246735.7/40

Right: 618.368+/-0.118 χ^2/NDF: 1548821.0/34

In: 470.654+/-0.071 χ^2/NDF:2840630.2/35

Out: 470.658+/-0.070 χ^2/NDF:2873722.1/39

All: 470.656+/-0.050 χ^2/NDF: 5714352.3/75



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:18.7/19

Left: 0.000+/-0.000 χ^2/NDF: 31.4/40

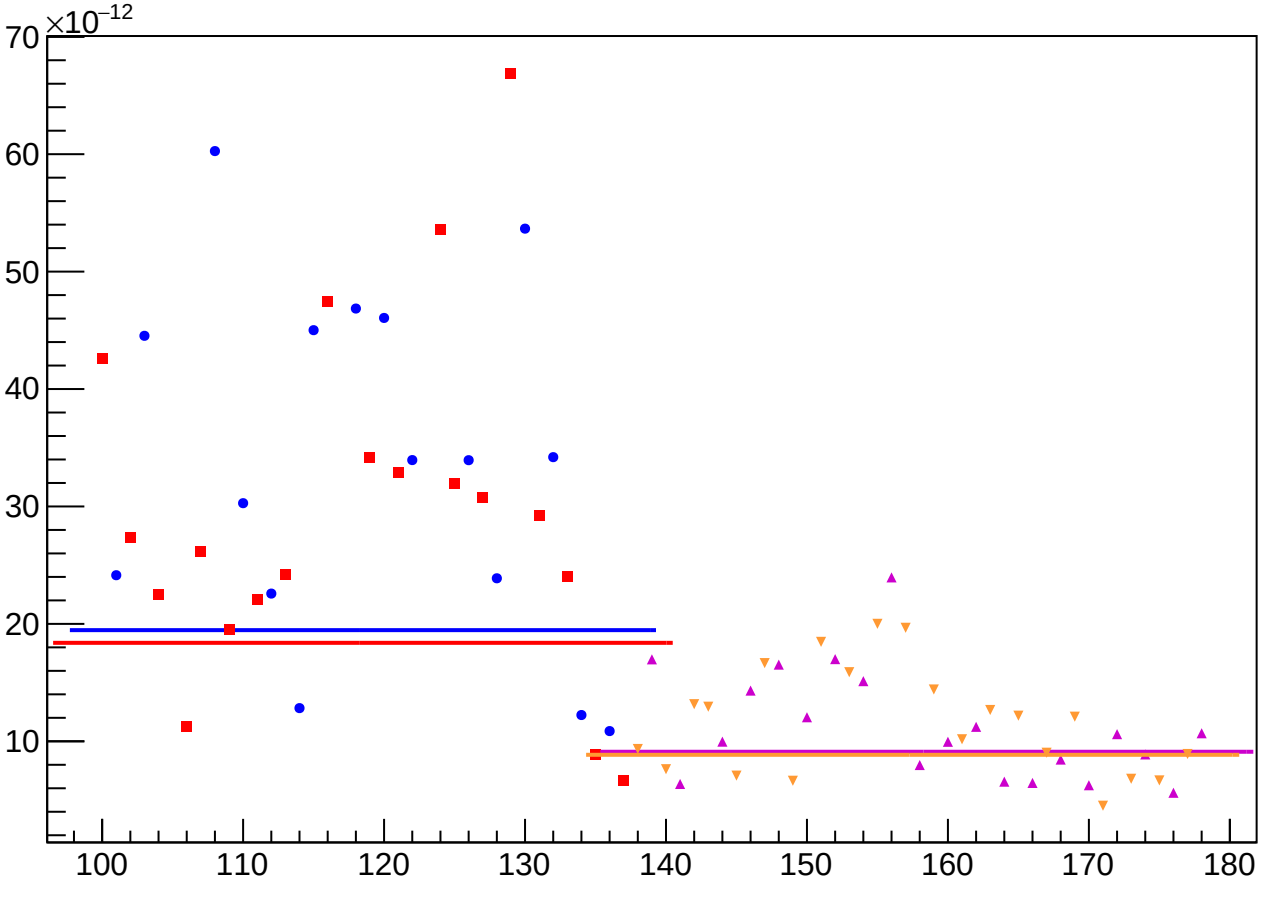
Right: -0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:37.7/35

Out: -0.000+/-0.000 χ^2/NDF:25.2/39

All: -0.000+/-0.000 χ^2/NDF: 63.4/75

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1735565.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1935212.1/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1524220.8/19

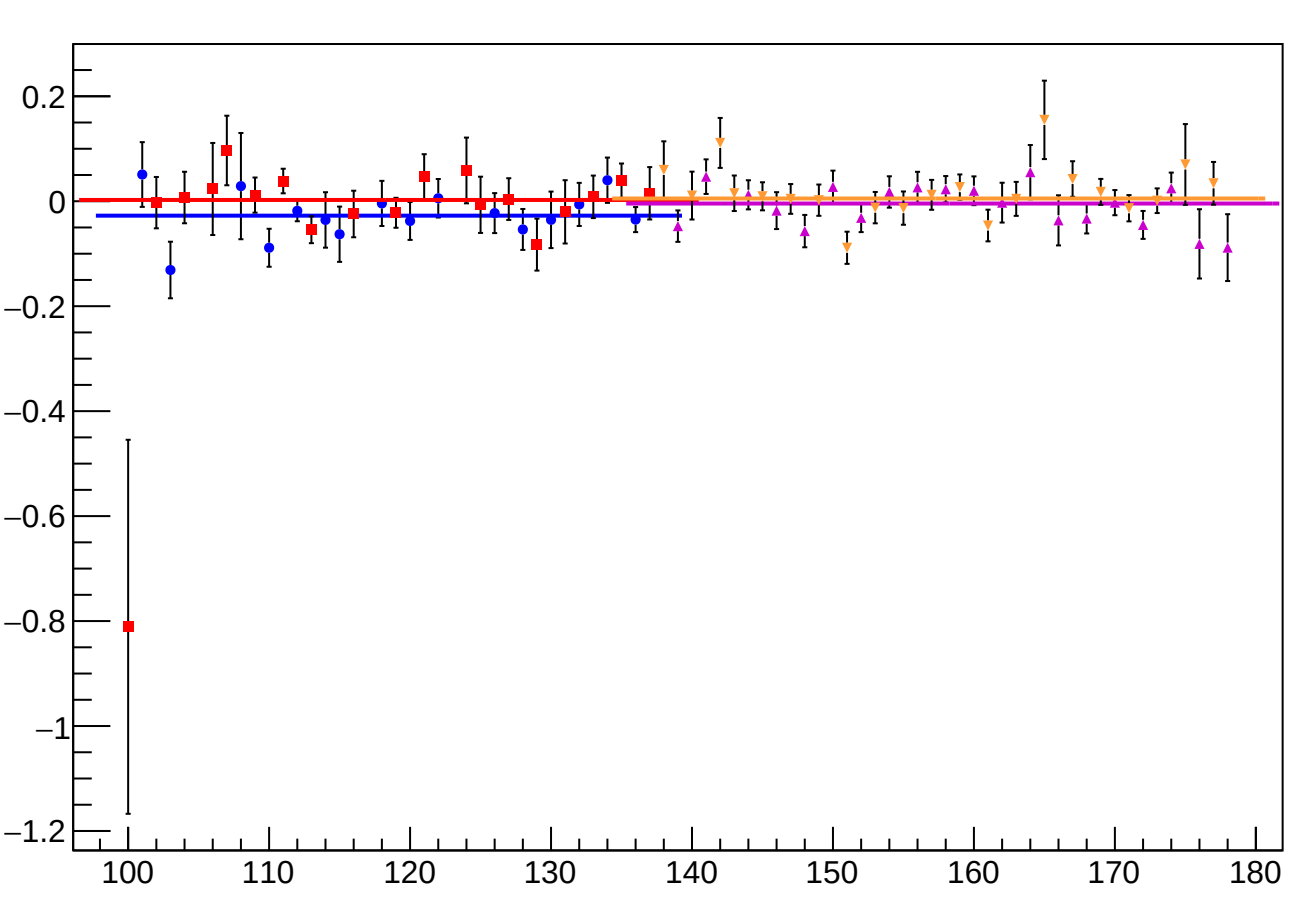
Left: 0.000+/-0.000 χ^2/NDF: 3464047.1/40

Right: 0.000+/-0.000 χ^2/NDF: 3187950.4/34

In: 0.000+/-0.000 χ^2/NDF:4491076.4/35

Out: 0.000+/-0.000 χ^2/NDF:4505105.0/39

All: 0.000+/-0.000 χ^2/NDF: 9005734.2/75



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: -0.004+/-0.007 χ^2/NDF:22.7/19

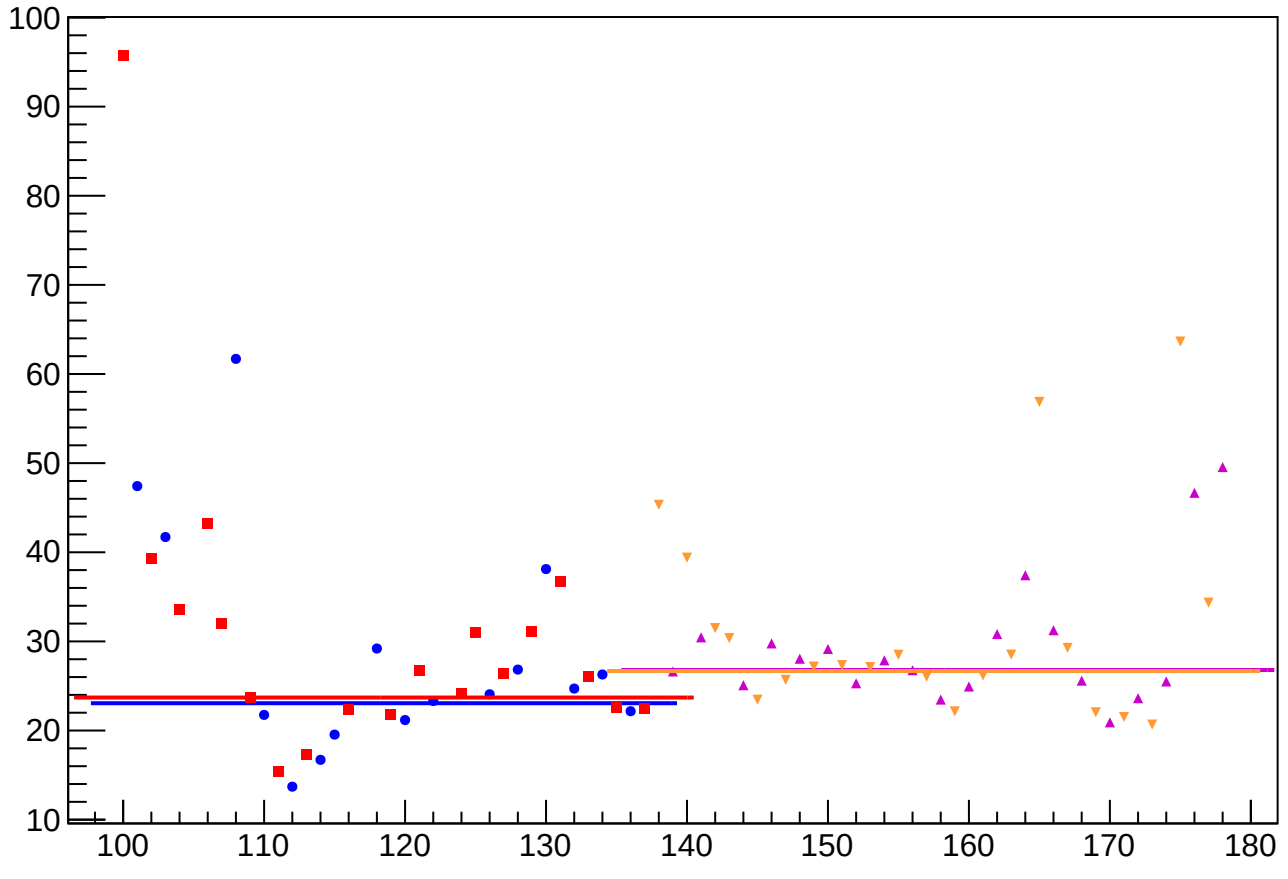
Left: 0.000+/-0.005 χ^2/NDF: 50.9/40

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.013+/-0.006 χ^2/NDF:40.3/35

Out: 0.004+/-0.006 χ^2/NDF:49.4/39

All: -0.004+/-0.004 χ^2/NDF: 94.2/75



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: 26.792+/-0.005 χ^2/NDF:831403.1/19

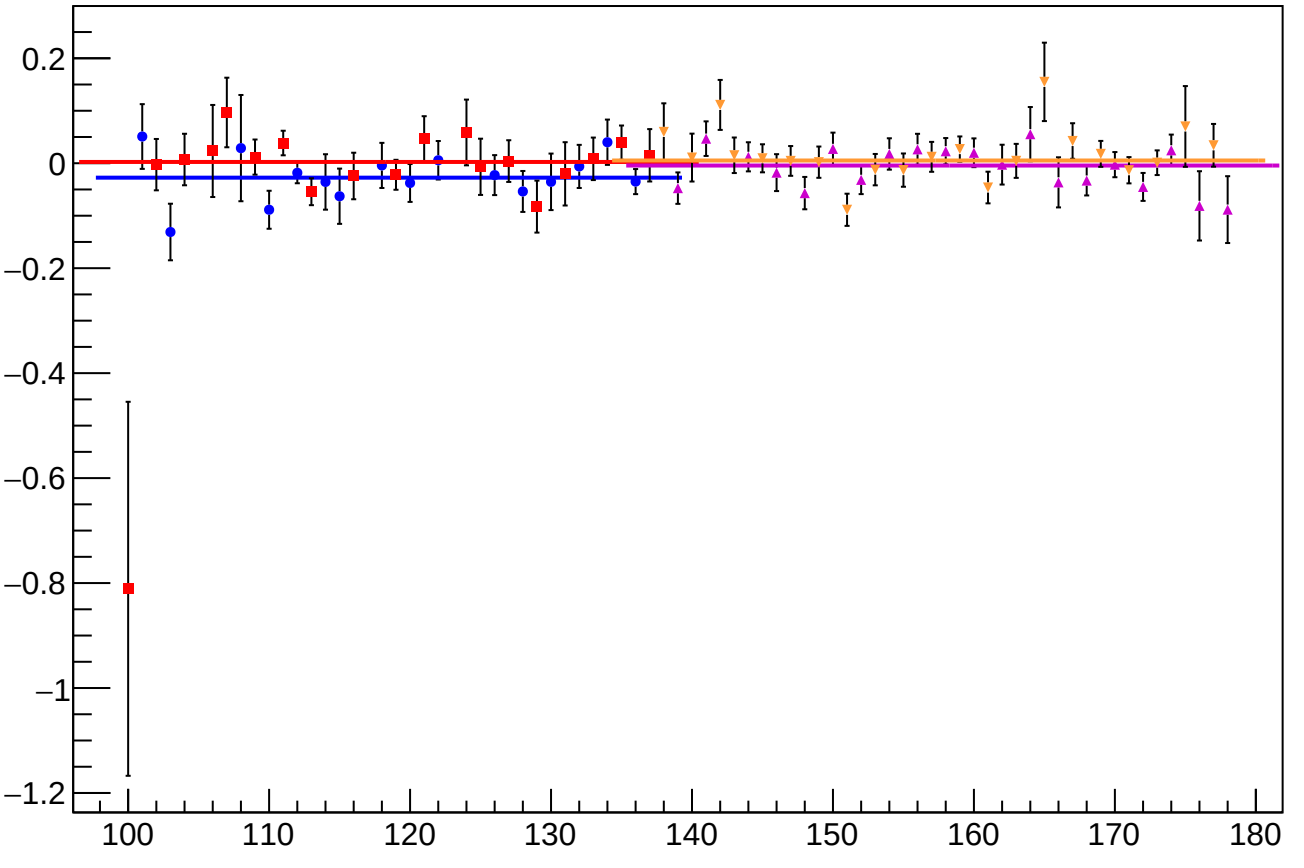
Left: 26.734+/-0.003 χ^2/NDF: 2541041.6/40

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 25.455+/-0.004 χ^2/NDF:2597647.3/35

Out: 25.619+/-0.004 χ^2/NDF:2930021.5/39

All: 25.538+/-0.003 χ^2/NDF: 5528531.6/75



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: -0.004+/-0.007 χ^2/NDF:22.7/19

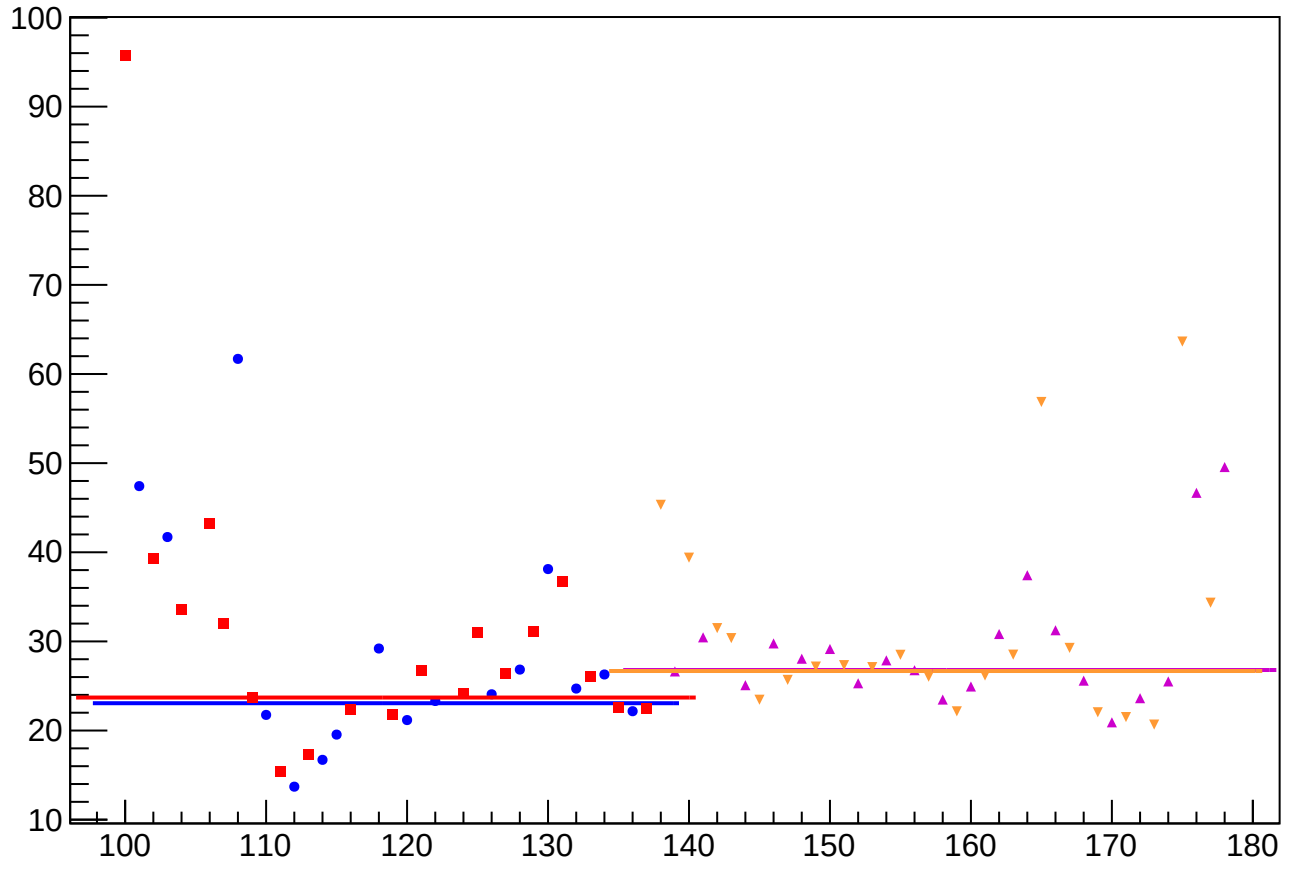
Left: 0.000+/-0.005 χ^2/NDF: 50.9/40

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.013+/-0.006 χ^2/NDF:40.3/35

Out: 0.004+/-0.006 χ^2/NDF:49.4/39

All: -0.004+/-0.004 χ^2/NDF: 94.2/75



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: 26.792+/-0.005 χ^2/NDF:831403.1/19

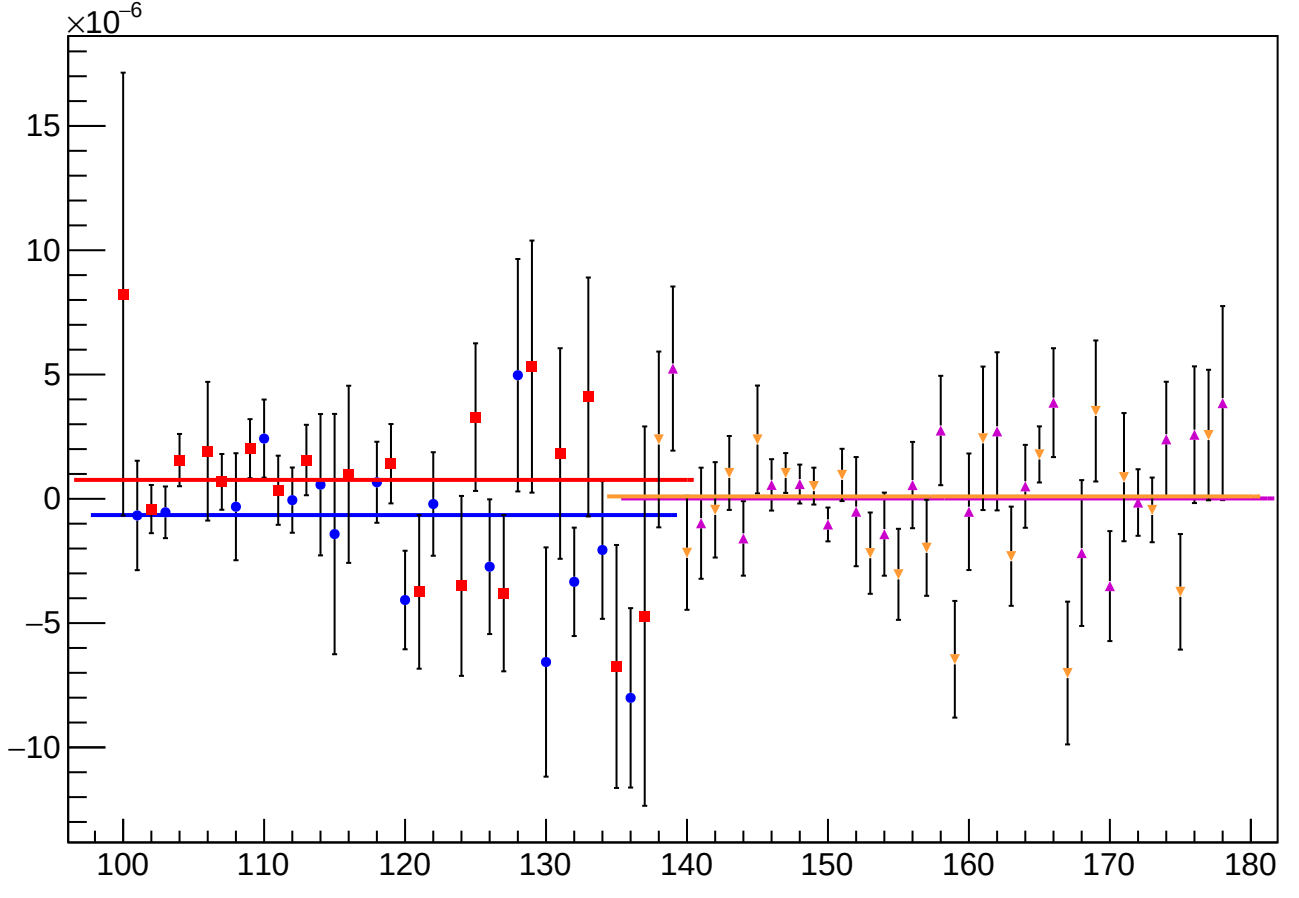
Left: 26.734+/-0.003 χ^2/NDF: 2541041.6/40

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 25.455+/-0.004 χ^2/NDF:2597647.3/35

Out: 25.619+/-0.004 χ^2/NDF:2930021.5/39

All: 25.538+/-0.003 χ^2/NDF: 5528531.6/75



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:19.4/19

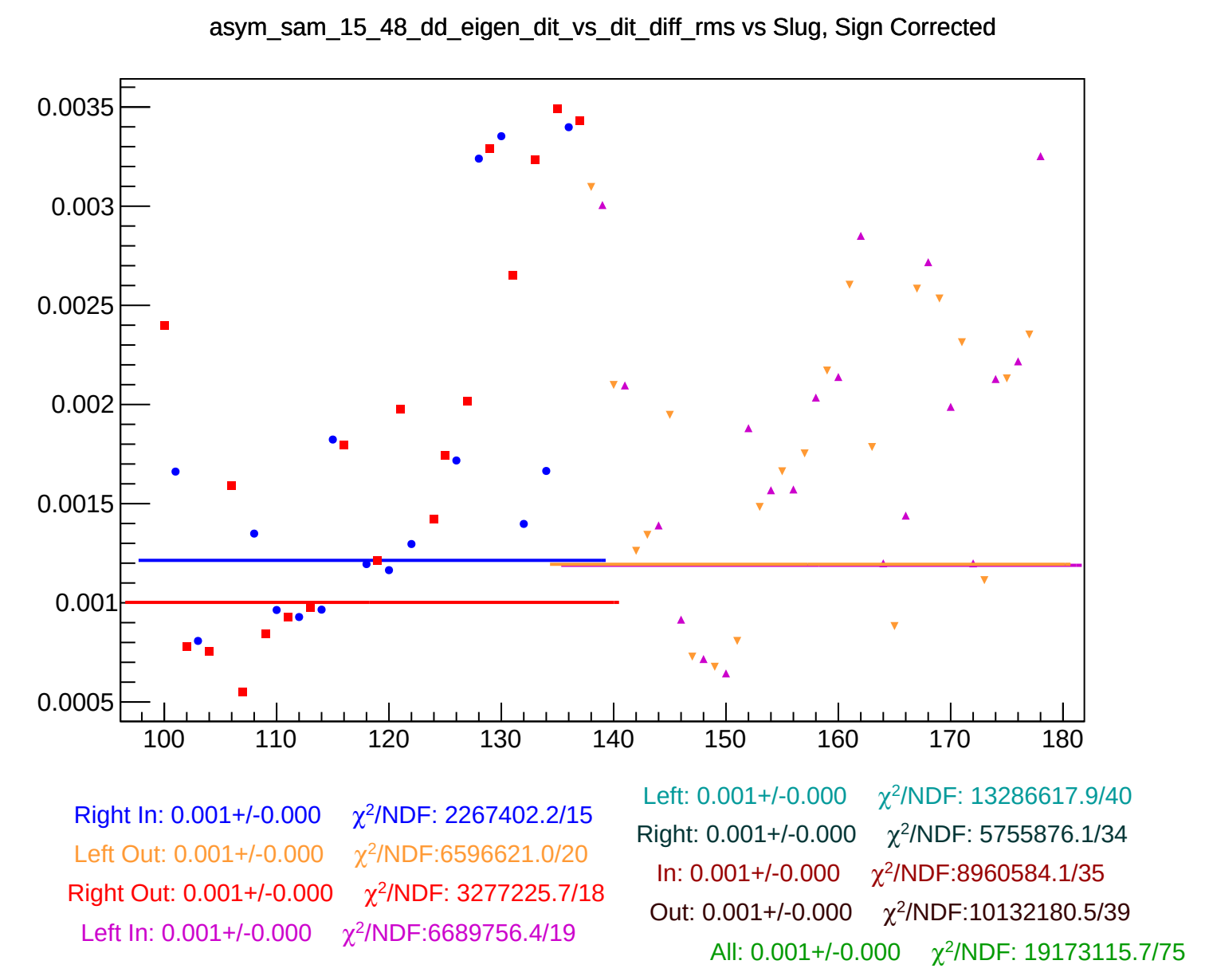
Left: 0.000+/-0.000 χ^2/NDF: 54.5/40

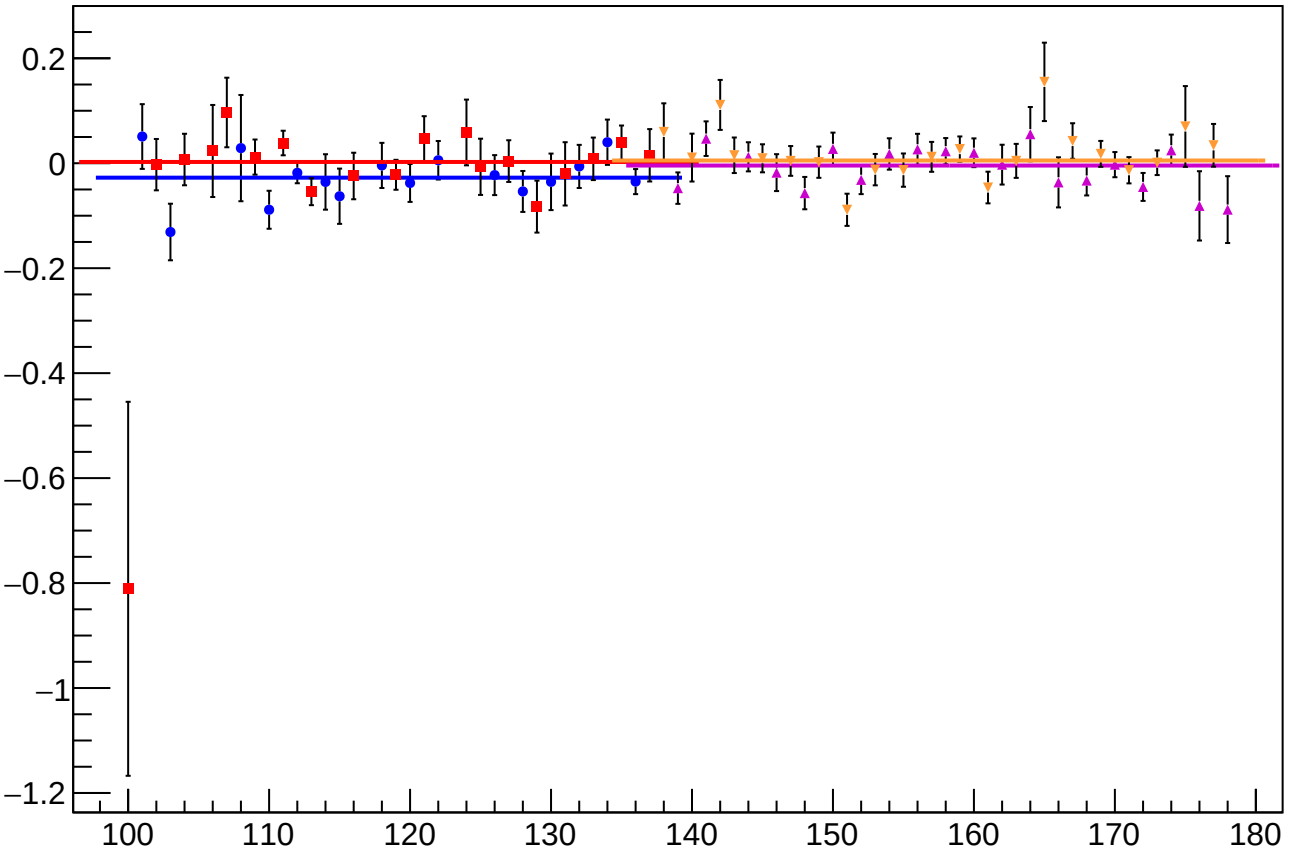
Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:38.2/35

Out: 0.000+/-0.000 χ^2/NDF:51.7/39

All: 0.000+/-0.000 χ^2/NDF: 92.0/75


asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 2267402.2/15
Left Out: 0.001+/-0.000 χ²/NDF:6596621.0/20
Right Out: 0.001+/-0.000 χ²/NDF: 3277225.7/18
Left In: 0.001+/-0.000 χ²/NDF:6689756.4/19
Left: 0.001+/-0.000 χ²/NDF: 13286617.9/40
Right: 0.001+/-0.000 χ²/NDF: 5755876.1/34
In: 0.001+/-0.000 χ²/NDF:8960584.1/35
Out: 0.001+/-0.000 χ²/NDF:10132180.5/39
All: 0.001+/-0.000 χ²/NDF: 19173115.7/75



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: -0.004+/-0.007 χ^2/NDF:22.7/19

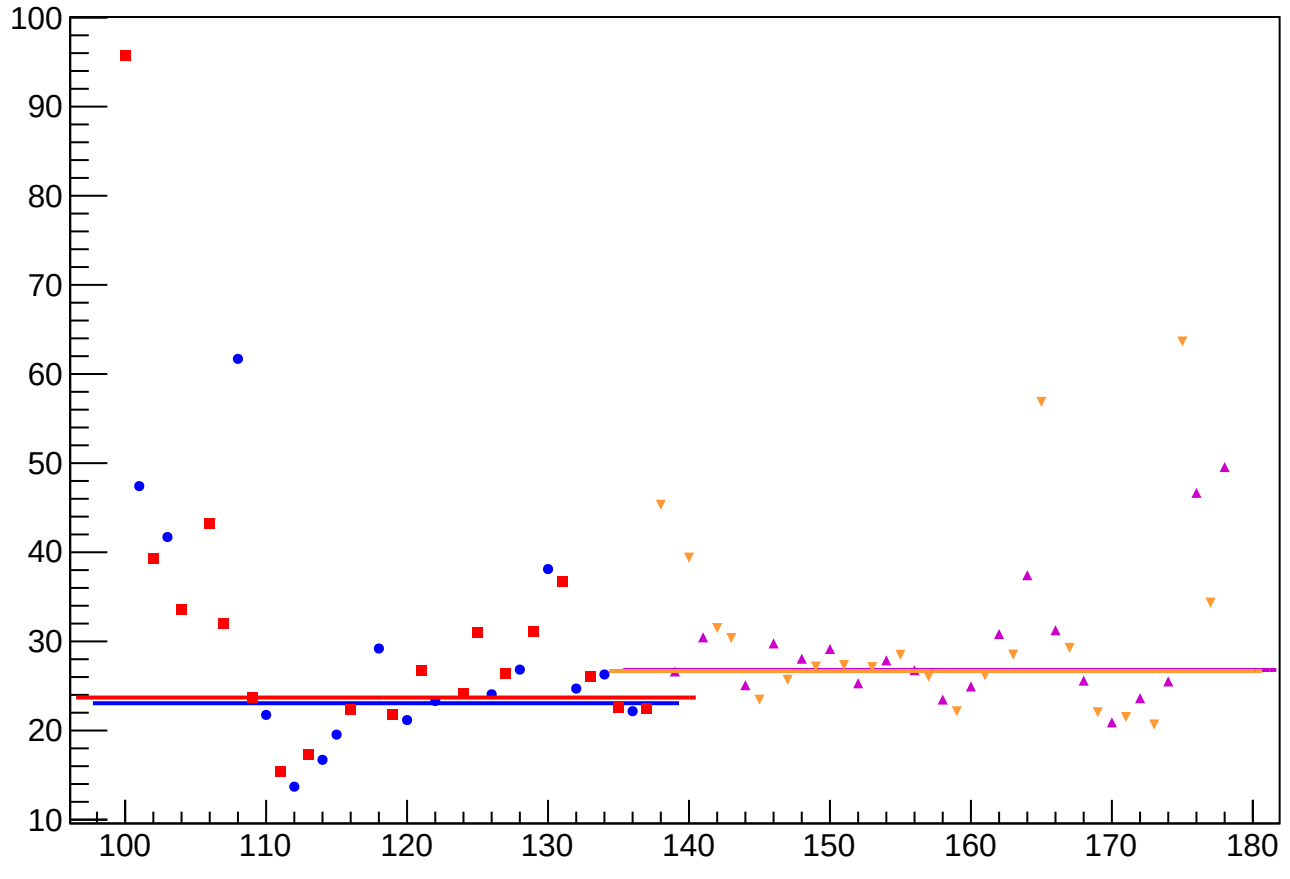
Left: 0.000+/-0.005 χ^2/NDF: 50.9/40

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.013+/-0.006 χ^2/NDF:40.3/35

Out: 0.004+/-0.006 χ^2/NDF:49.4/39

All: -0.004+/-0.004 χ^2/NDF: 94.2/75



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: 26.792+/-0.005 χ^2/NDF:831389.6/19

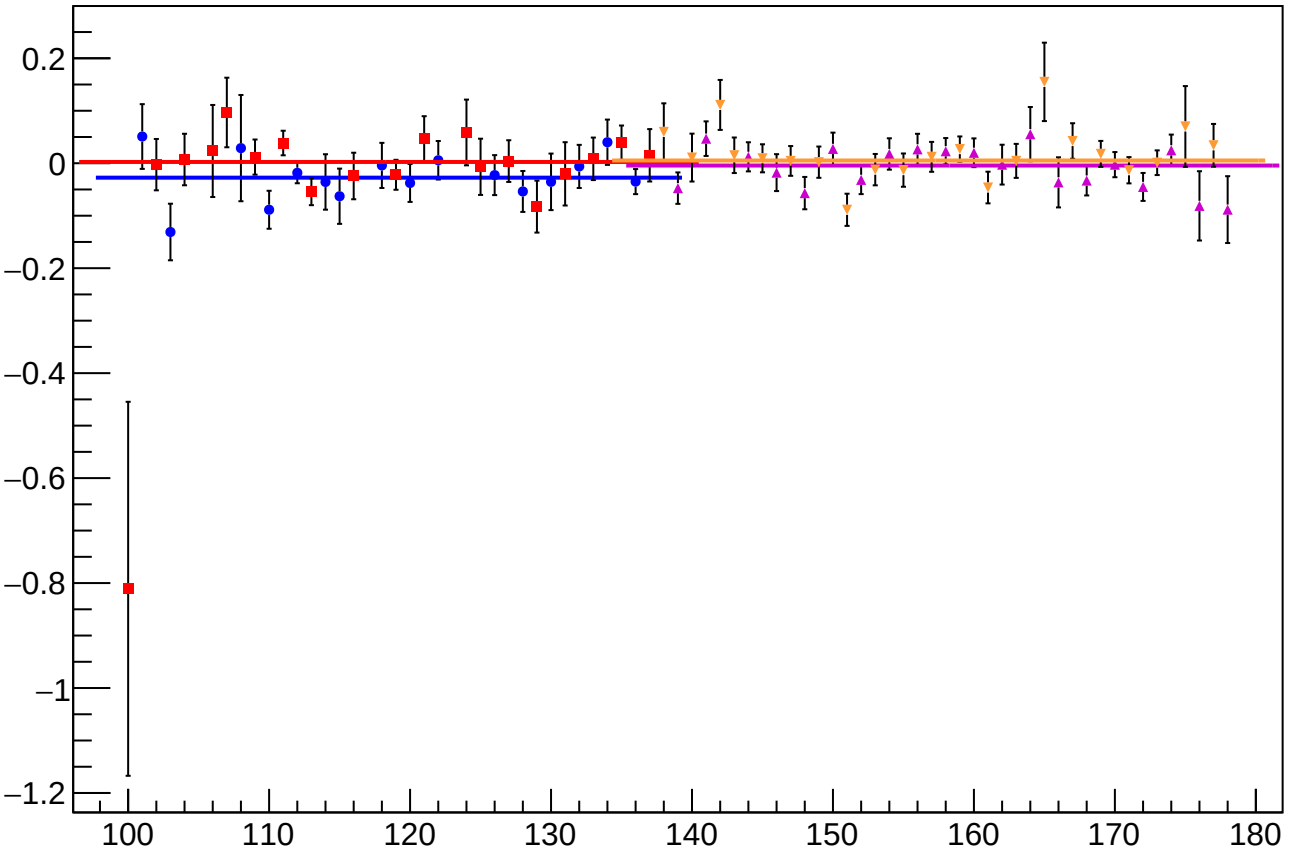
Left: 26.734+/-0.003 χ^2/NDF: 2540964.4/40

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 25.455+/-0.004 χ^2/NDF:2597690.5/35

Out: 25.619+/-0.004 χ^2/NDF:2930046.1/39

All: 25.538+/-0.003 χ^2/NDF: 5528600.1/75



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: -0.004+/-0.007 χ^2/NDF:22.7/19

Left: 0.000+/-0.005 χ^2/NDF: 50.9/40

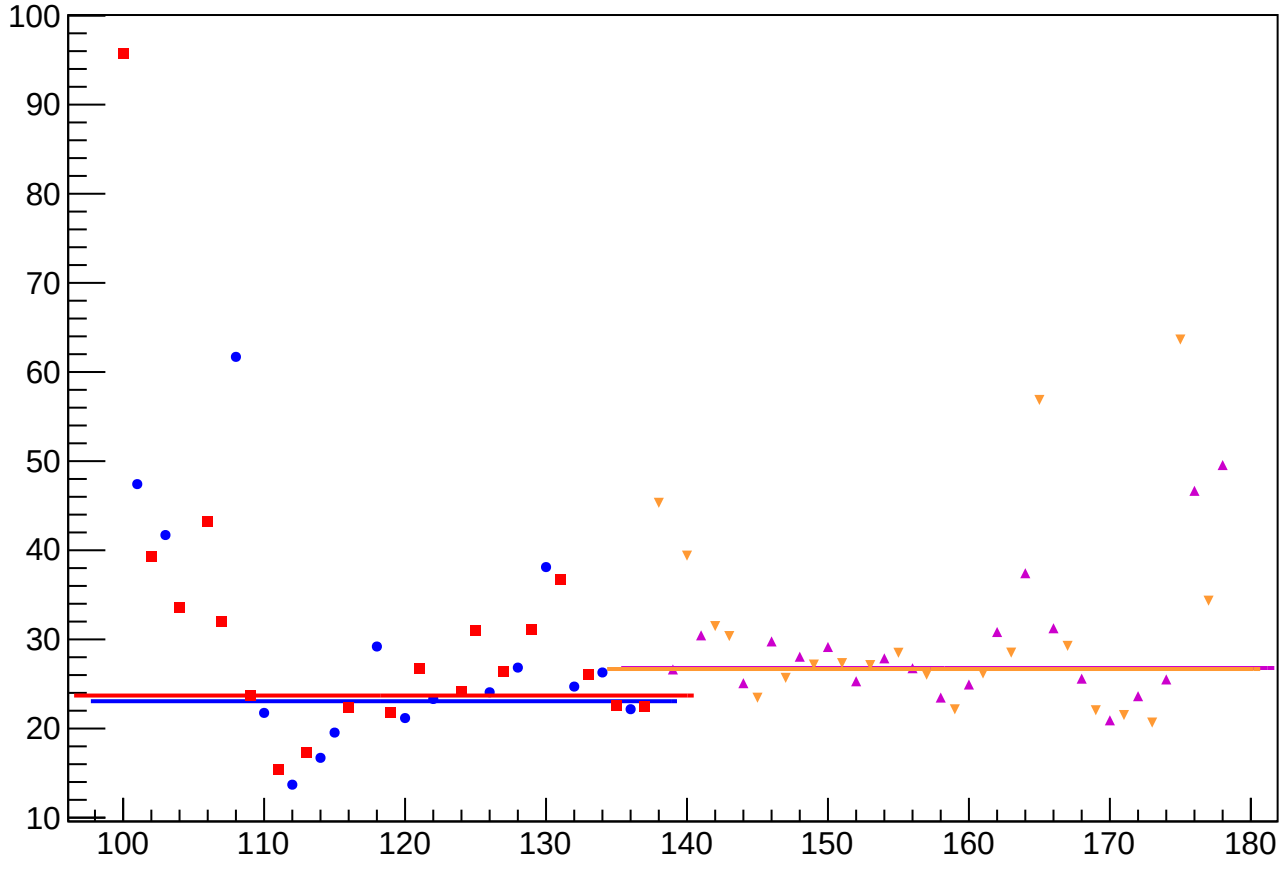
Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.013+/-0.006 χ^2/NDF:40.3/35

Out: 0.004+/-0.006 χ^2/NDF:49.4/39

All: -0.004+/-0.004 χ^2/NDF: 94.2/75

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 26.679+/-0.005 χ^2/NDF:1709312.4/20

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.792+/-0.005 χ^2/NDF:831389.6/19

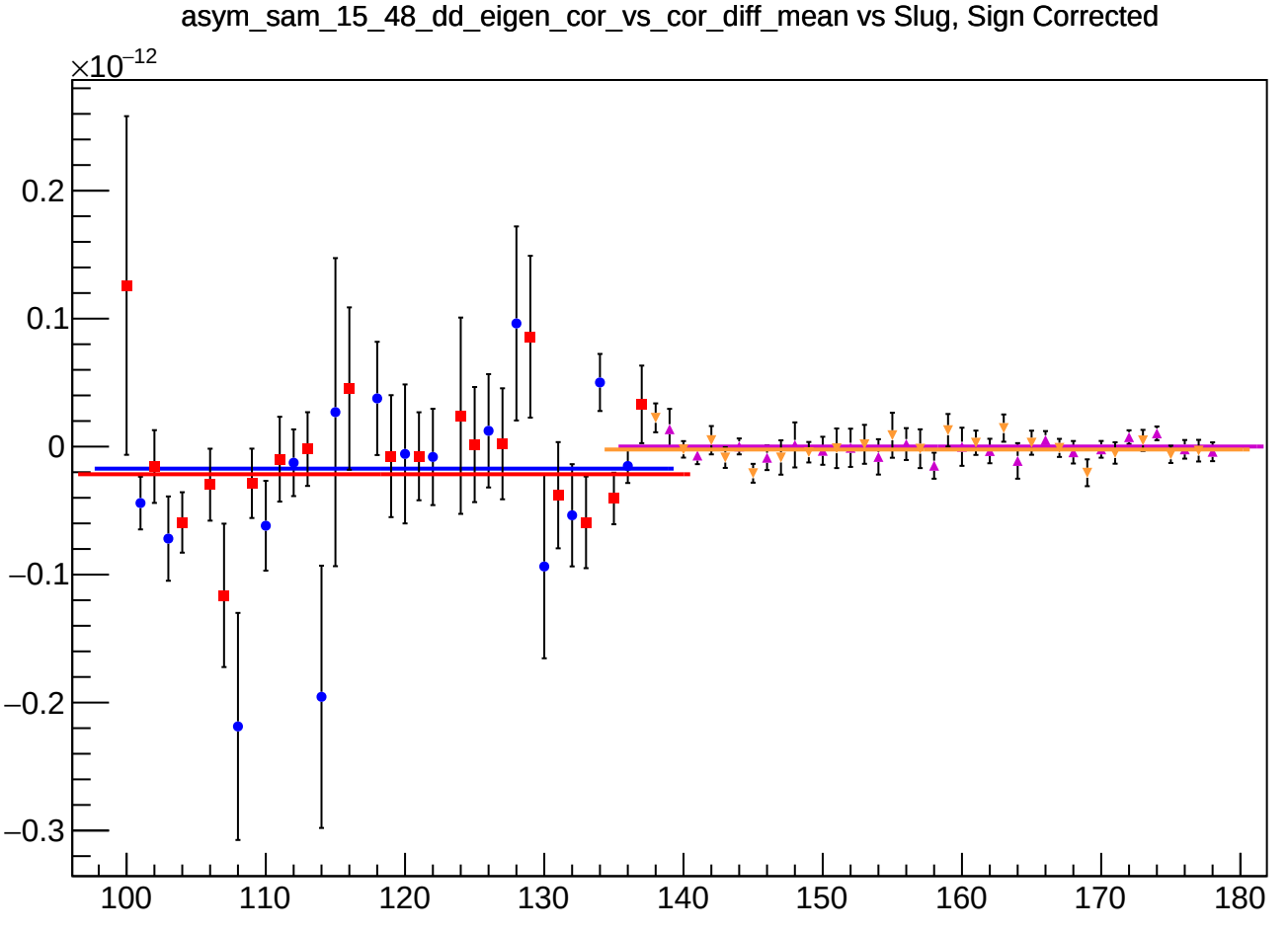
Left: 26.734+/-0.003 χ^2/NDF: 2540964.4/40

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 25.455+/-0.004 χ^2/NDF:2597690.5/35

Out: 25.619+/-0.004 χ^2/NDF:2930046.1/39

All: 25.538+/-0.003 χ^2/NDF: 5528600.1/75



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:12.9/19

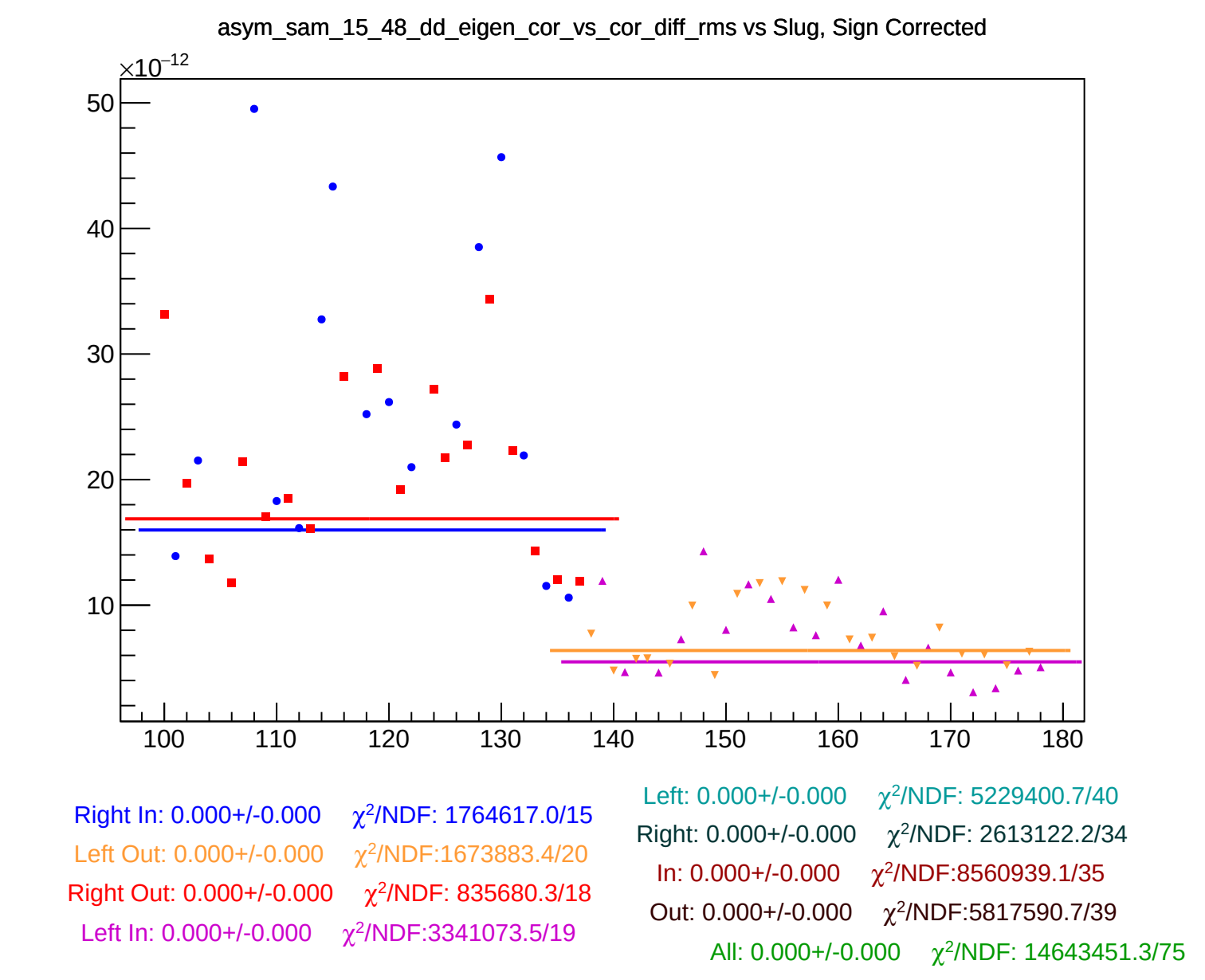
Left: -0.000+/-0.000 χ^2/NDF: 35.3/40

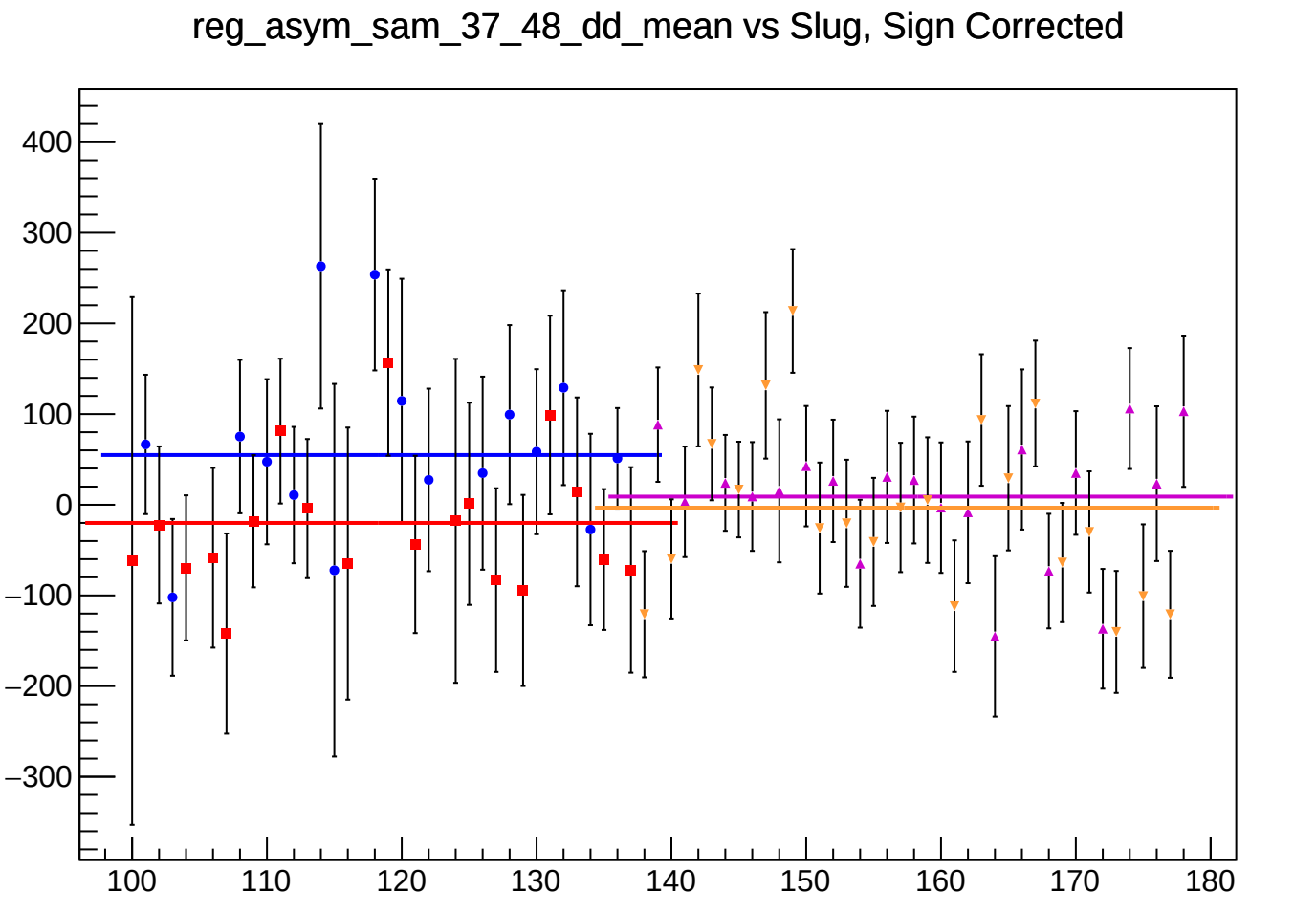
Right: -0.000+/-0.000 χ^2/NDF: 48.0/34

In: -0.000+/-0.000 χ^2/NDF:47.4/35

Out: -0.000+/-0.000 χ^2/NDF:45.3/39

All: -0.000+/-0.000 χ^2/NDF: 93.7/75


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 1764617.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1673883.4/20
Right Out: 0.000+/-0.000 χ²/NDF: 835680.3/18
Left In: 0.000+/-0.000 χ²/NDF:3341073.5/19
Left: 0.000+/-0.000 χ²/NDF: 5229400.7/40
Right: 0.000+/-0.000 χ²/NDF: 2613122.2/34
In: 0.000+/-0.000 χ²/NDF:8560939.1/35
Out: 0.000+/-0.000 χ²/NDF:5817590.7/39
All: 0.000+/-0.000 χ²/NDF: 14643451.3/75



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: 8.995+/-15.482 χ^2/NDF:16.9/19

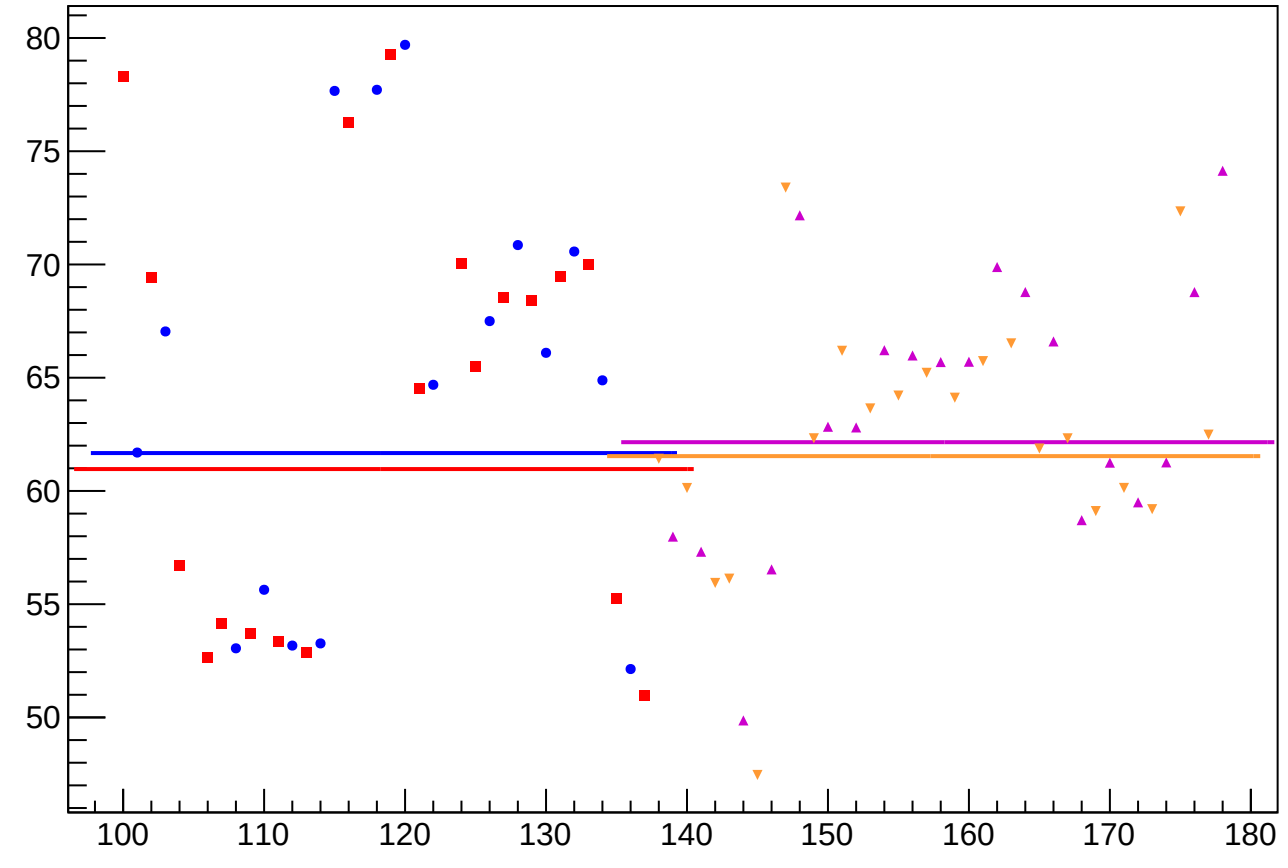
Left: 2.778+/-10.831 χ^2/NDF: 55.2/40

Right: 16.437+/-16.171 χ^2/NDF: 25.6/34

In: 23.152+/-12.874 χ^2/NDF:30.6/35

Out: -8.416+/-12.584 χ^2/NDF:47.7/39

All: 7.008+/-8.999 χ^2/NDF: 81.3/75



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: 62.153+/-0.011 χ^2/NDF:300926.0/19

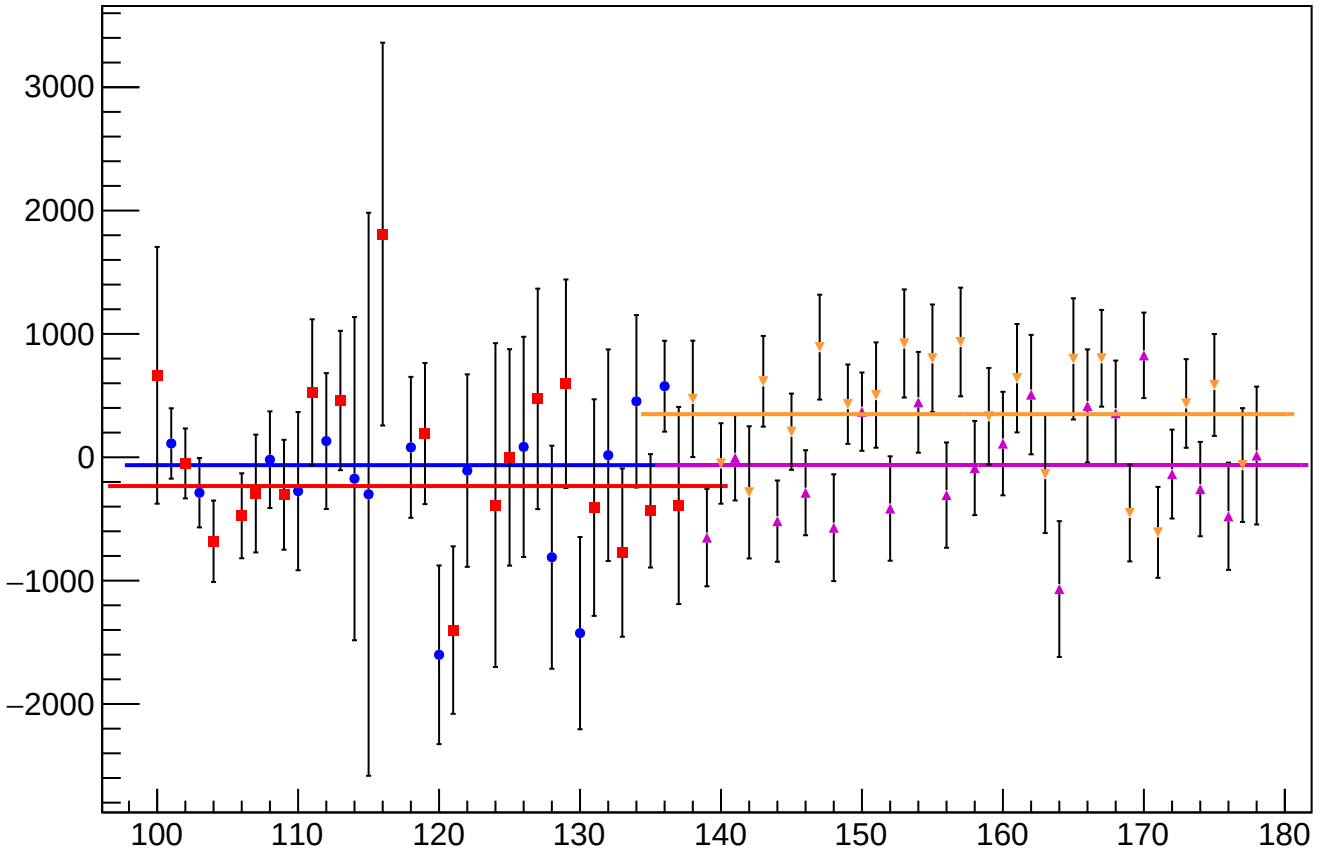
Left: 61.839+/-0.008 χ^2/NDF: 594266.4/40

Right: 61.310+/-0.011 χ^2/NDF: 552244.9/34

In: 62.005+/-0.009 χ^2/NDF:568627.6/35

Out: 61.360+/-0.009 χ^2/NDF:576793.0/39

All: 61.675+/-0.006 χ^2/NDF: 1147986.2/75



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: -62.484+/-88.932 χ^2/NDF:25.2/19

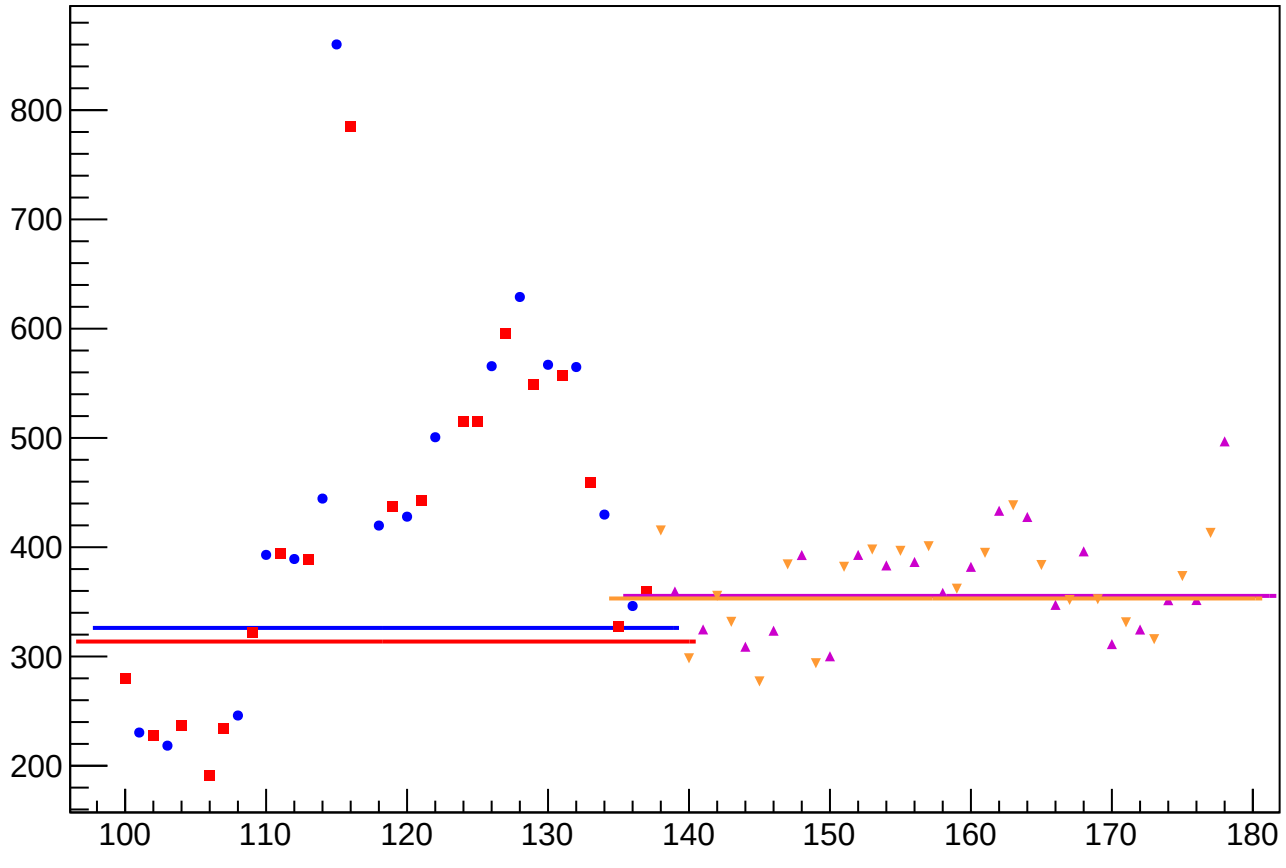
Left: 146.876+/-62.397 χ^2/NDF: 61.9/40

Right: -153.135+/-89.161 χ^2/NDF: 28.6/34

In: -62.916+/-73.341 χ^2/NDF:38.3/35

Out: 153.298+/-71.296 χ^2/NDF:55.3/39

All: 48.247+/-51.122 χ^2/NDF: 98.1/75



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: 355.456+/-0.063 χ^2/NDF:472747.0/19

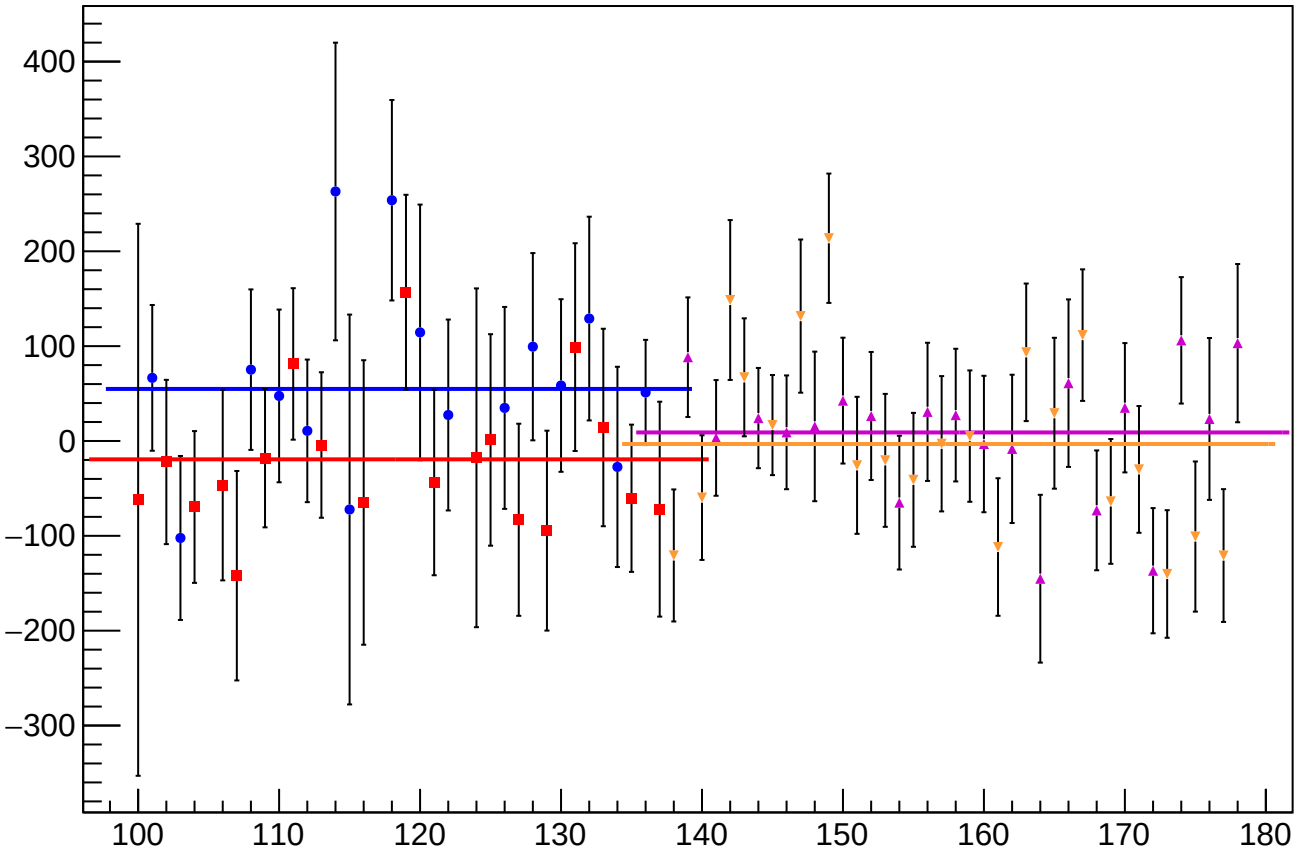
Left: 354.252+/-0.044 χ^2/NDF: 1002222.7/40

Right: 319.570+/-0.063 χ^2/NDF: 3531102.5/34

In: 346.080+/-0.052 χ^2/NDF:2276226.3/35

Out: 339.797+/-0.050 χ^2/NDF:2452683.0/39

All: 342.850+/-0.036 χ^2/NDF: 4736456.0/75



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: -3.185+/-15.159 χ^2/NDF:38.1/20

Right Out: -19.352+/-22.588 χ^2/NDF: 9.2/18

Left In: 8.994+/-15.482 χ^2/NDF:16.9/19

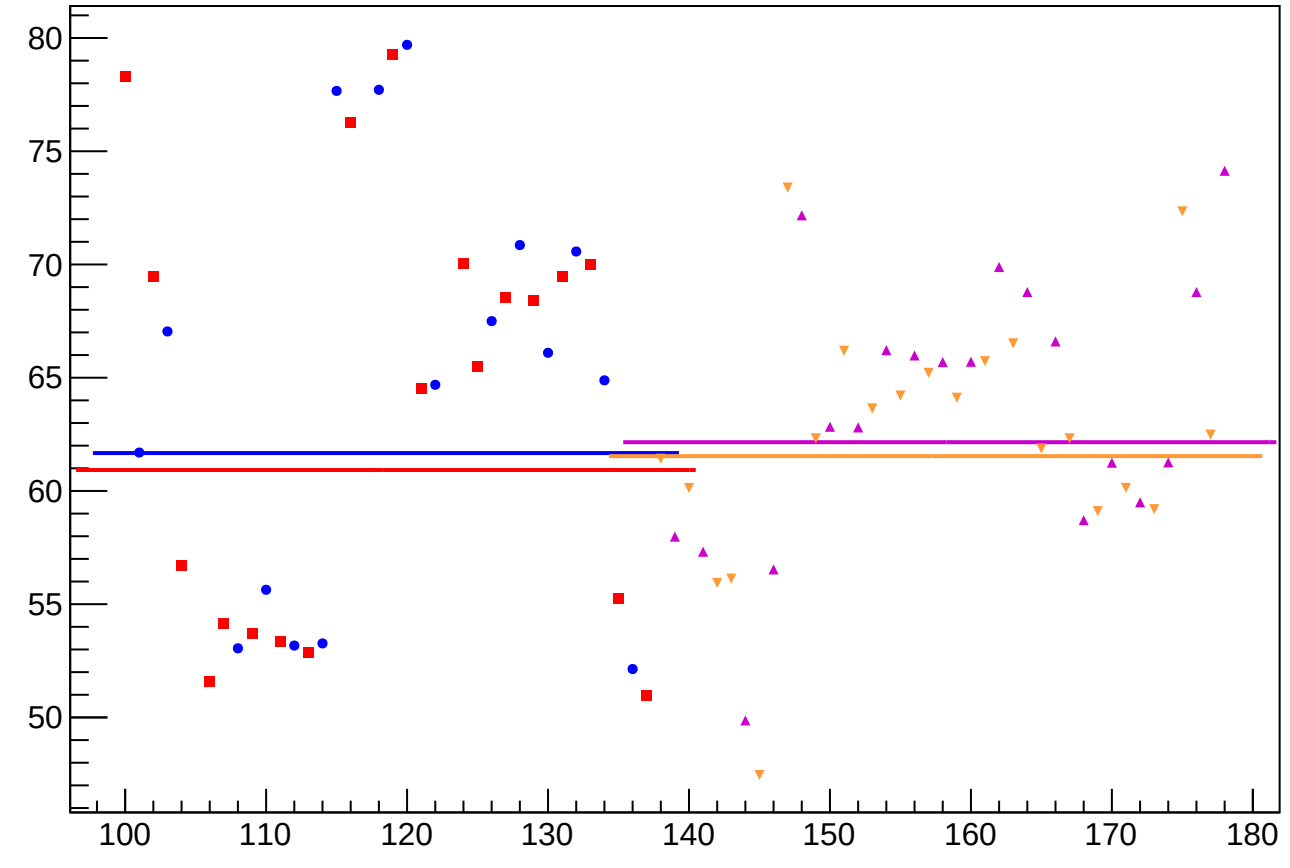
Left: 2.776+/-10.831 χ^2/NDF: 55.2/40

Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 23.149+/-12.874 χ^2/NDF:30.6/35

Out: -8.205+/-12.587 χ^2/NDF:47.6/39

All: 7.118+/-9.000 χ^2/NDF: 81.2/75



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: 62.153+/-0.011 χ^2/NDF:300926.0/19

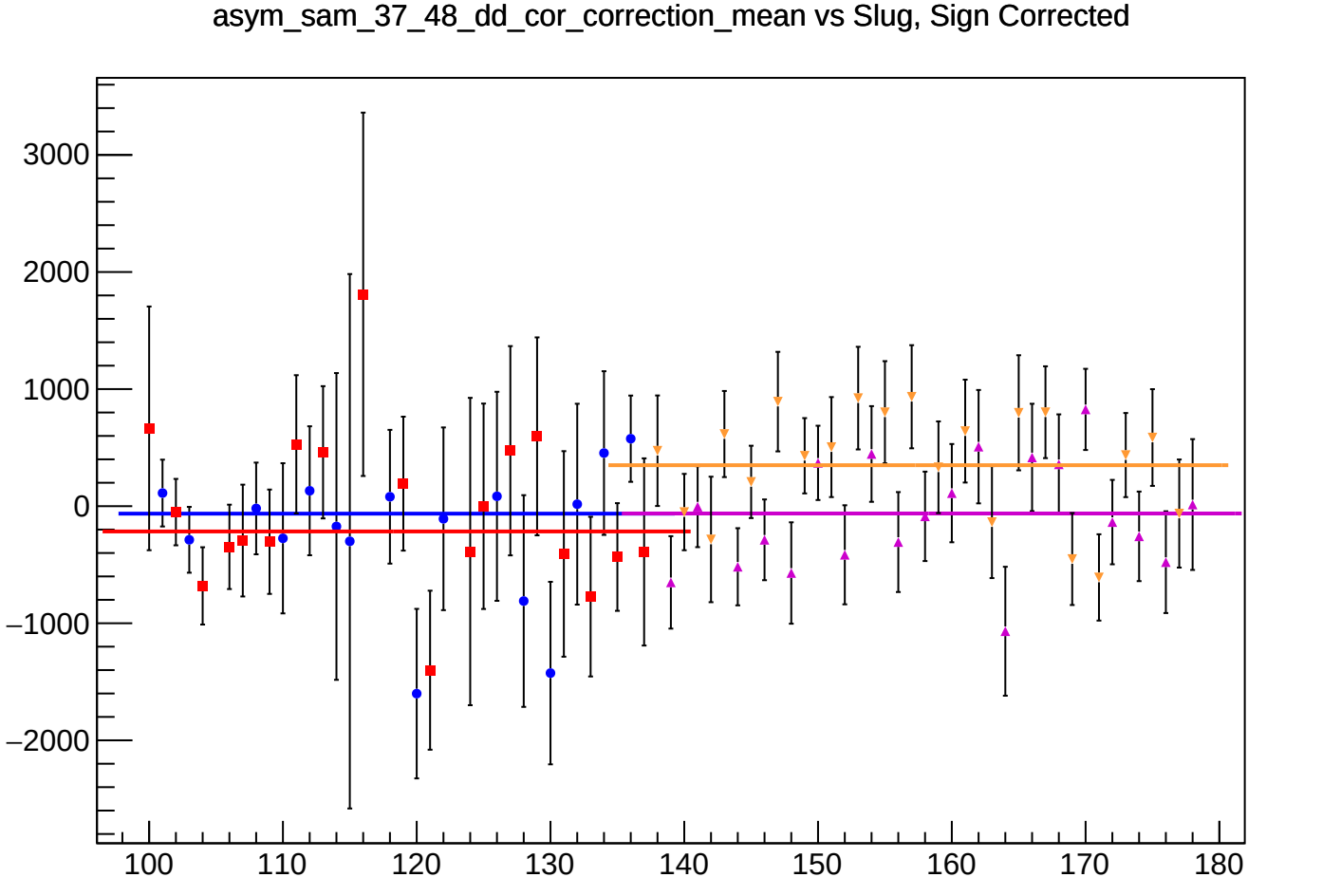
Left: 61.839+/-0.008 χ^2/NDF: 594266.4/40

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 62.005+/-0.009 χ^2/NDF:568627.8/35

Out: 61.348+/-0.009 χ^2/NDF:580318.9/39

All: 61.669+/-0.006 χ^2/NDF: 1151612.2/75



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: -62.484+/-88.932 χ^2/NDF:25.2/19

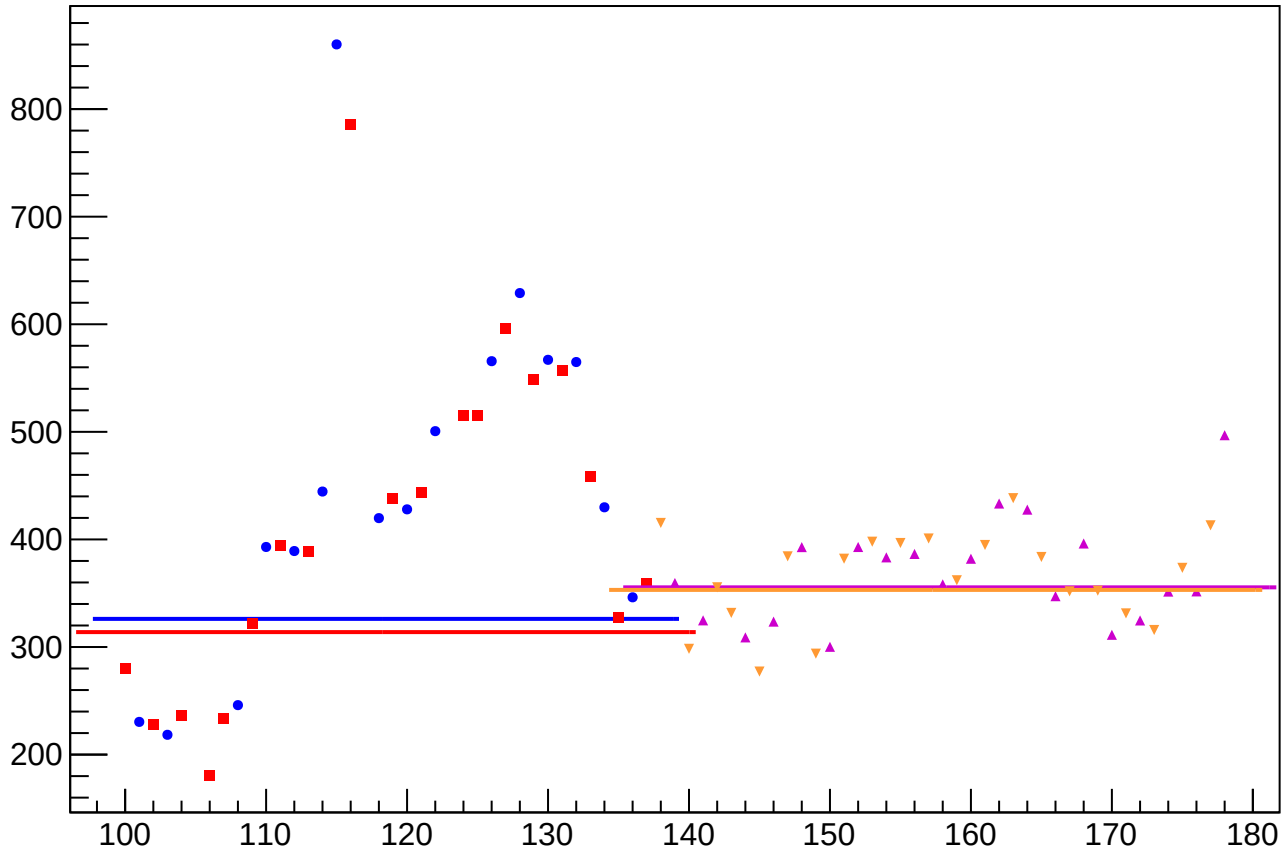
Left: 146.875+/-62.397 χ^2/NDF: 61.9/40

Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -62.911+/-73.341 χ^2/NDF:38.3/35

Out: 160.563+/-71.433 χ^2/NDF:53.9/39

All: 51.772+/-51.172 χ^2/NDF: 97.0/75



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: 355.456+/-0.063 χ^2/NDF:472749.7/19

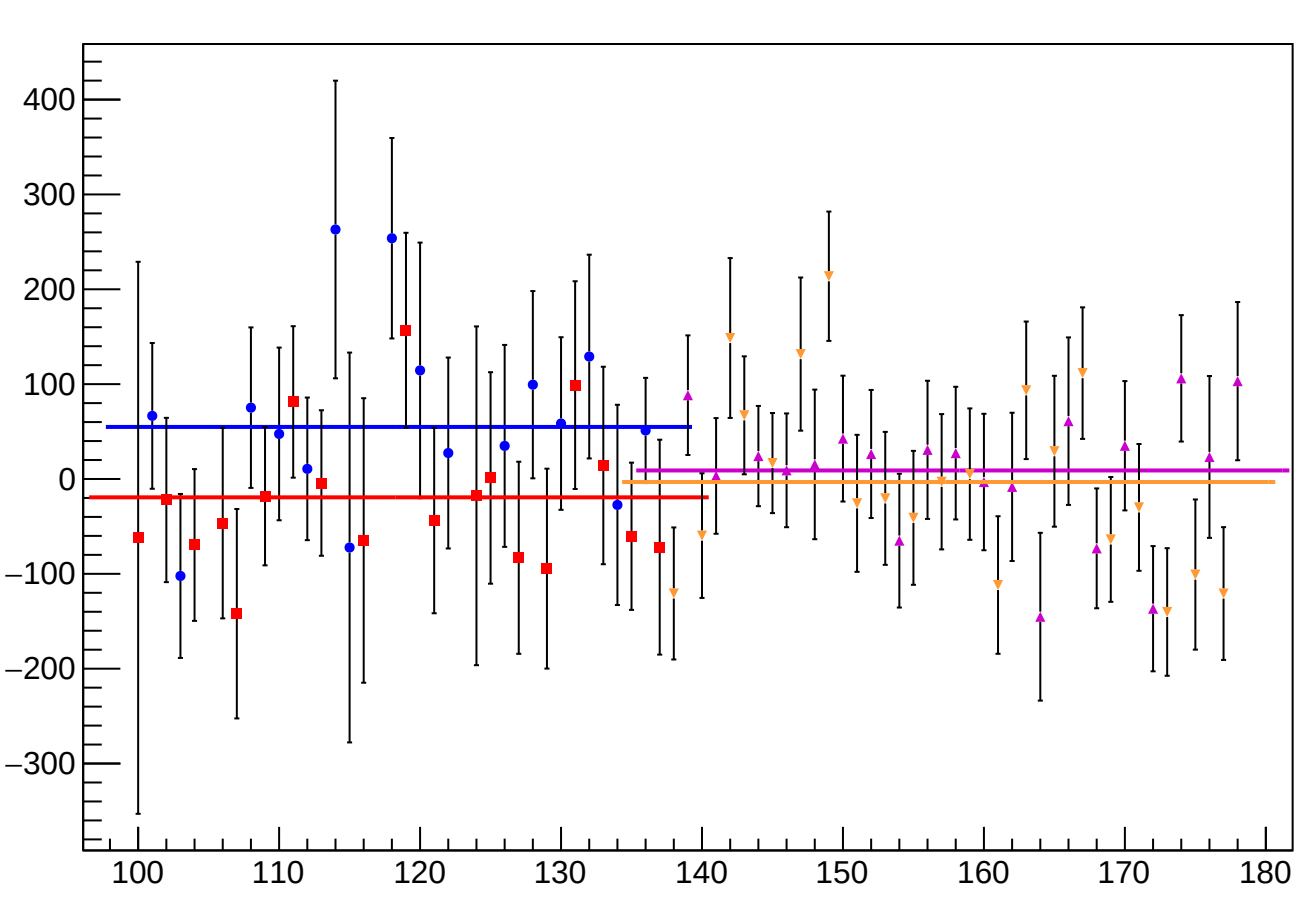
Left: 354.252+/-0.044 χ^2/NDF: 1002222.4/40

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 346.081+/-0.052 χ^2/NDF:2276154.2/35

Out: 339.961+/-0.051 χ^2/NDF:2468789.5/39

All: 342.940+/-0.036 χ^2/NDF: 4752092.4/75



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: -3.185+/-15.159 χ^2/NDF:38.1/20

Right Out: -19.352+/-22.588 χ^2/NDF: 9.2/18

Left In: 8.994+/-15.482 χ^2/NDF:16.9/19

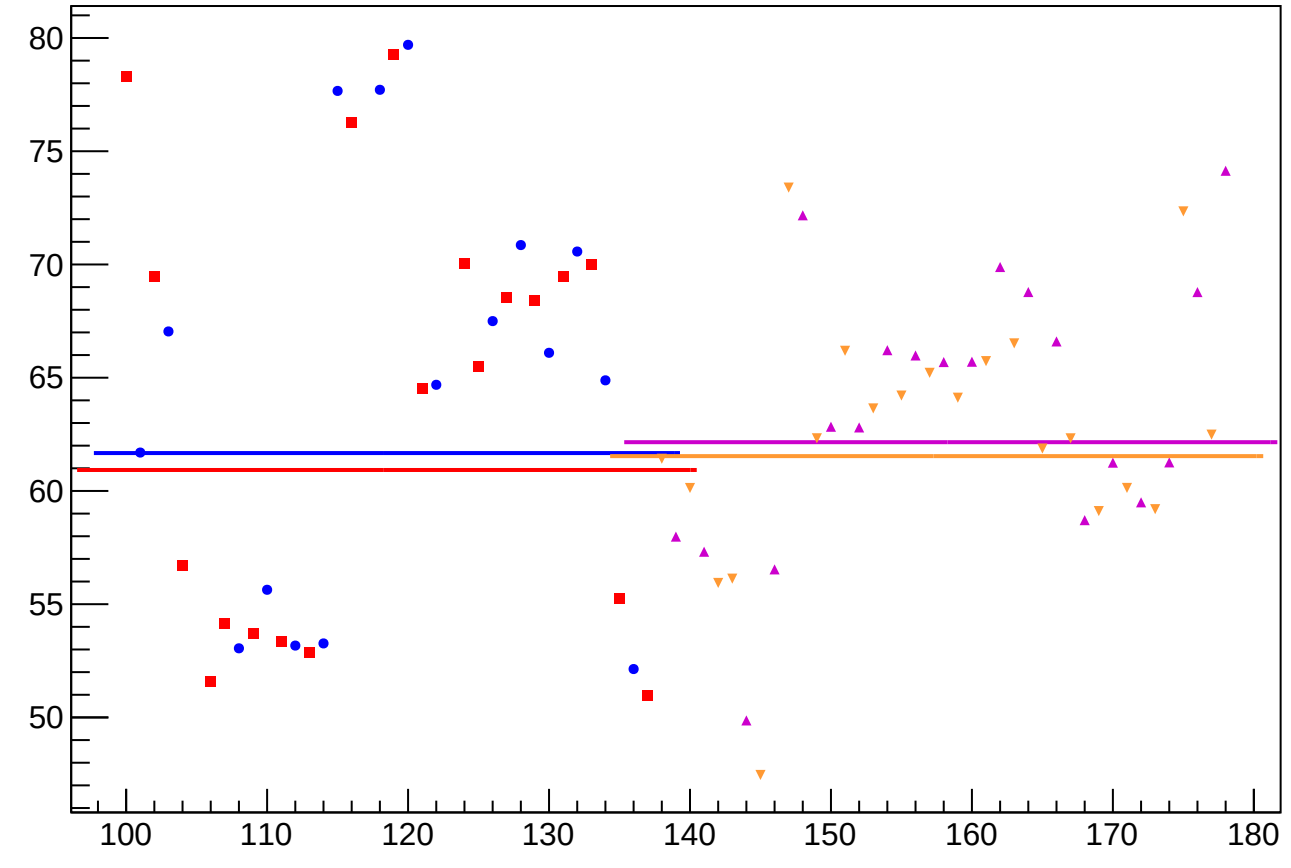
Left: 2.776+/-10.831 χ^2/NDF: 55.2/40

Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 23.149+/-12.874 χ^2/NDF:30.6/35

Out: -8.205+/-12.587 χ^2/NDF:47.6/39

All: 7.118+/-9.000 χ^2/NDF: 81.2/75



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: 62.153+/-0.011 χ^2/NDF:300926.0/19

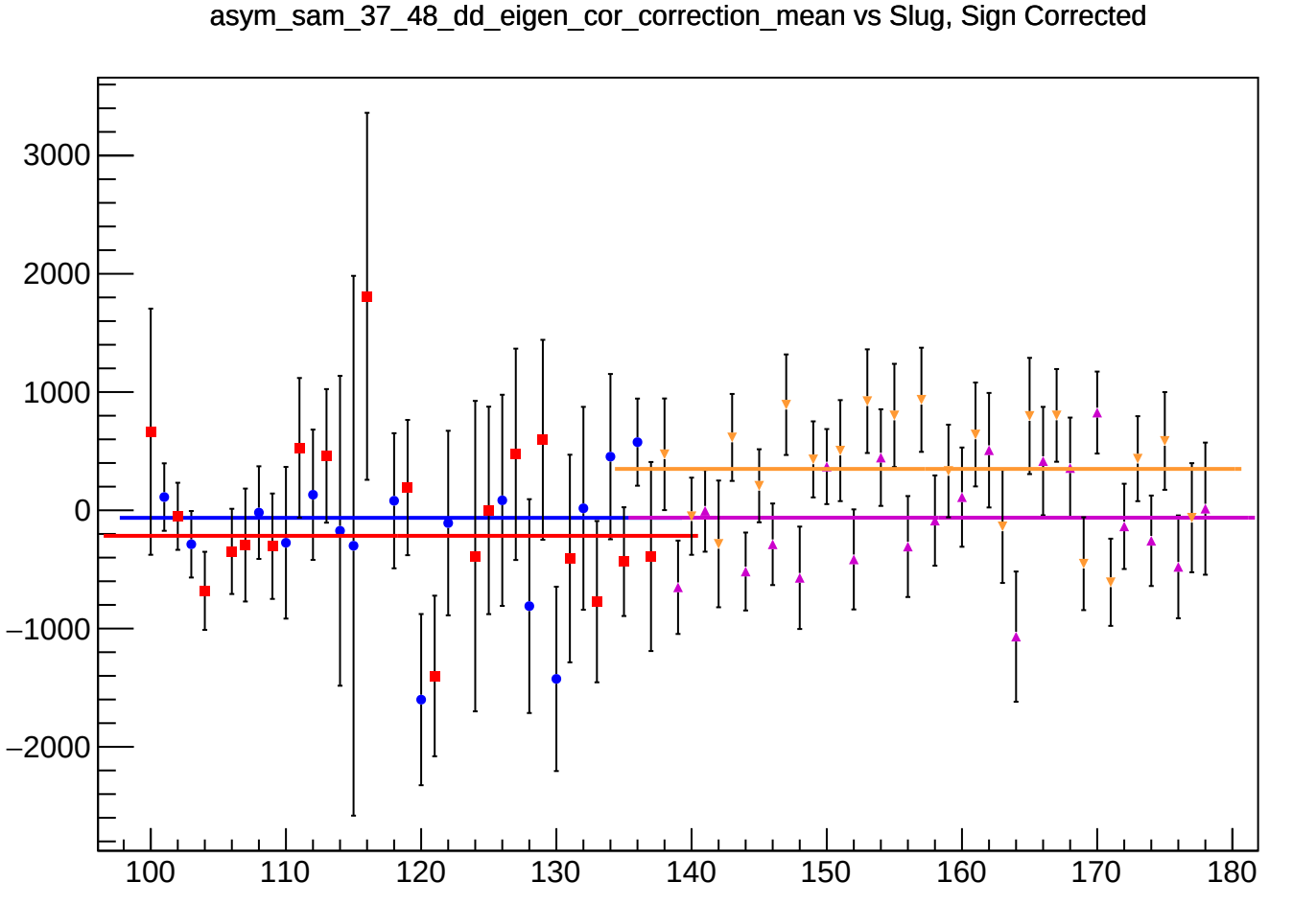
Left: 61.839+/-0.008 χ^2/NDF: 594266.4/40

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

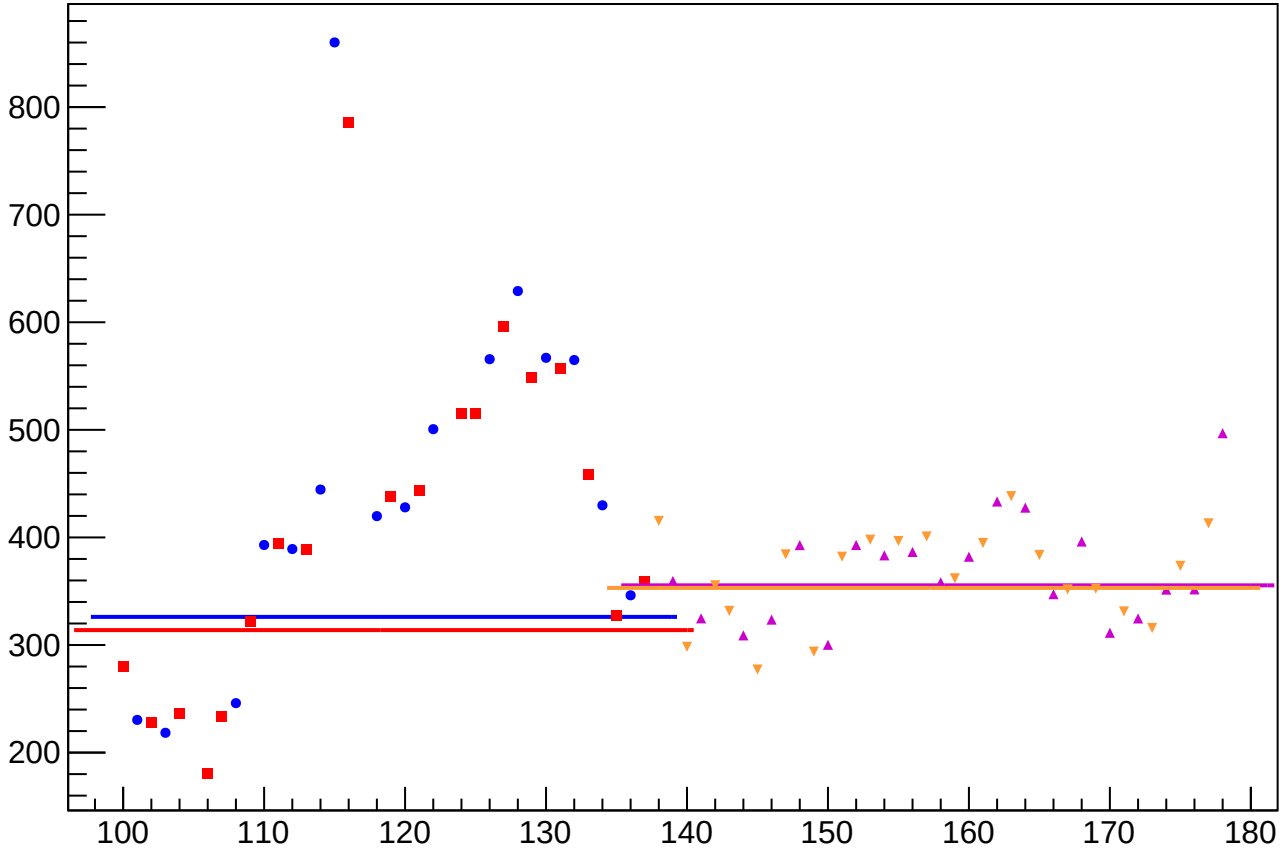
In: 62.005+/-0.009 χ^2/NDF:568627.8/35

Out: 61.348+/-0.009 χ^2/NDF:580318.9/39

All: 61.669+/-0.006 χ^2/NDF: 1151612.2/75


asym_sam_37_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
170
180
Right In: -63.820+/-129.675 χ²/NDF: 13.2/15
Left Out: 349.872+/-87.570 χ²/NDF:25.8/20
Right Out: -215.911+/-123.491 χ²/NDF: 14.1/18
Left In: -62.484+/-88.932 χ²/NDF:25.2/19
Left: 146.875+/-62.397 χ²/NDF: 61.9/40
Right: -143.578+/-89.428 χ²/NDF: 28.0/34
In: -62.911+/-73.341 χ²/NDF:38.3/35
Out: 160.563+/-71.433 χ²/NDF:53.9/39
All: 51.772+/-51.172 χ²/NDF: 97.0/75

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: 355.456+/-0.063 χ^2/NDF:472749.7/19

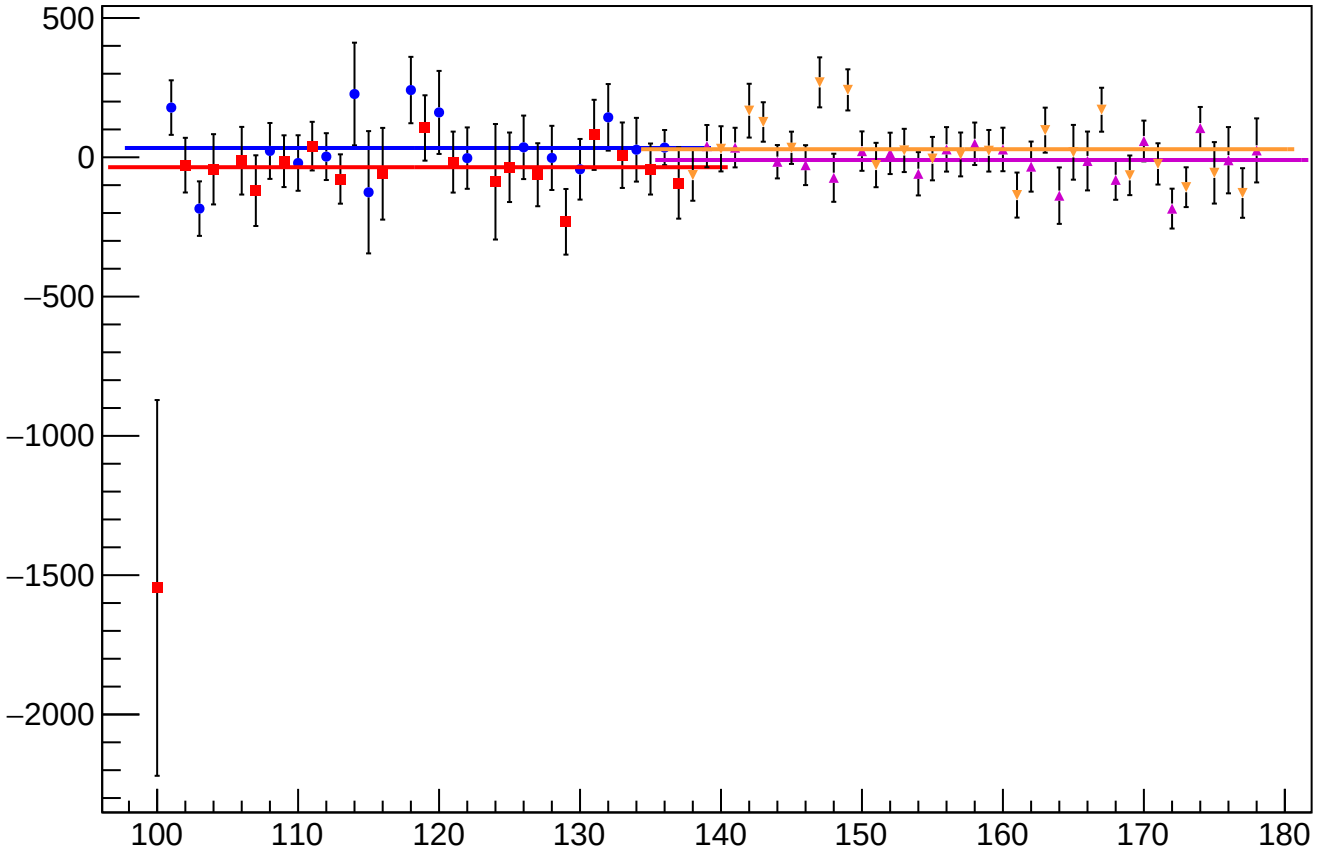
Left: 354.252+/-0.044 χ^2/NDF: 1002222.4/40

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 346.081+/-0.052 χ^2/NDF:2276154.2/35

Out: 339.961+/-0.051 χ^2/NDF:2468789.5/39

All: 342.940+/-0.036 χ^2/NDF: 4752092.4/75



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: -9.718+/-17.601 χ^2/NDF:15.1/19

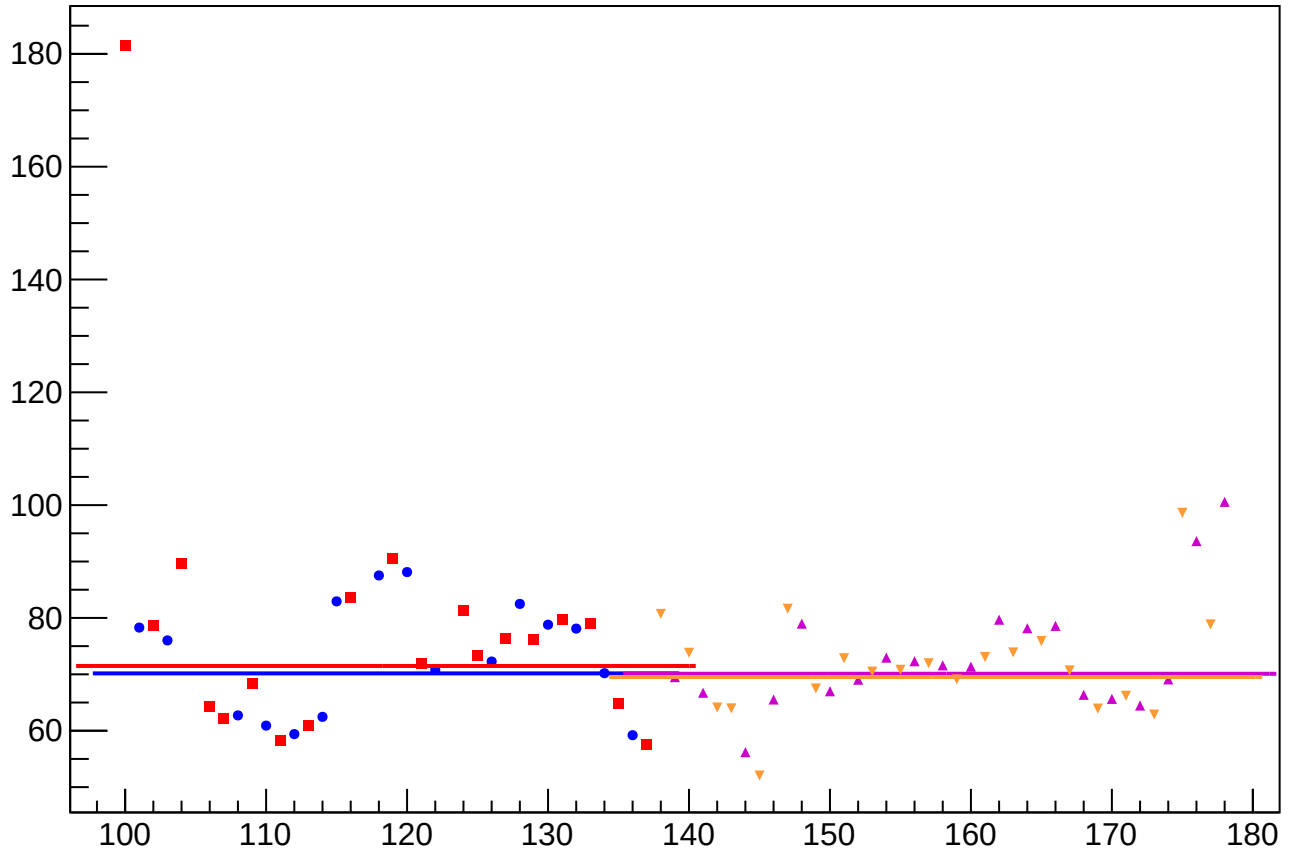
Left: 10.051+/-12.315 χ^2/NDF: 56.4/40

Right: -0.931+/-18.721 χ^2/NDF: 30.0/34

In: 3.540+/-14.647 χ^2/NDF:31.4/35

Out: 9.845+/-14.455 χ^2/NDF:55.2/39

All: 6.734+/-10.289 χ^2/NDF: 86.7/75



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: 70.101+/-0.012 χ^2/NDF:444245.9/19

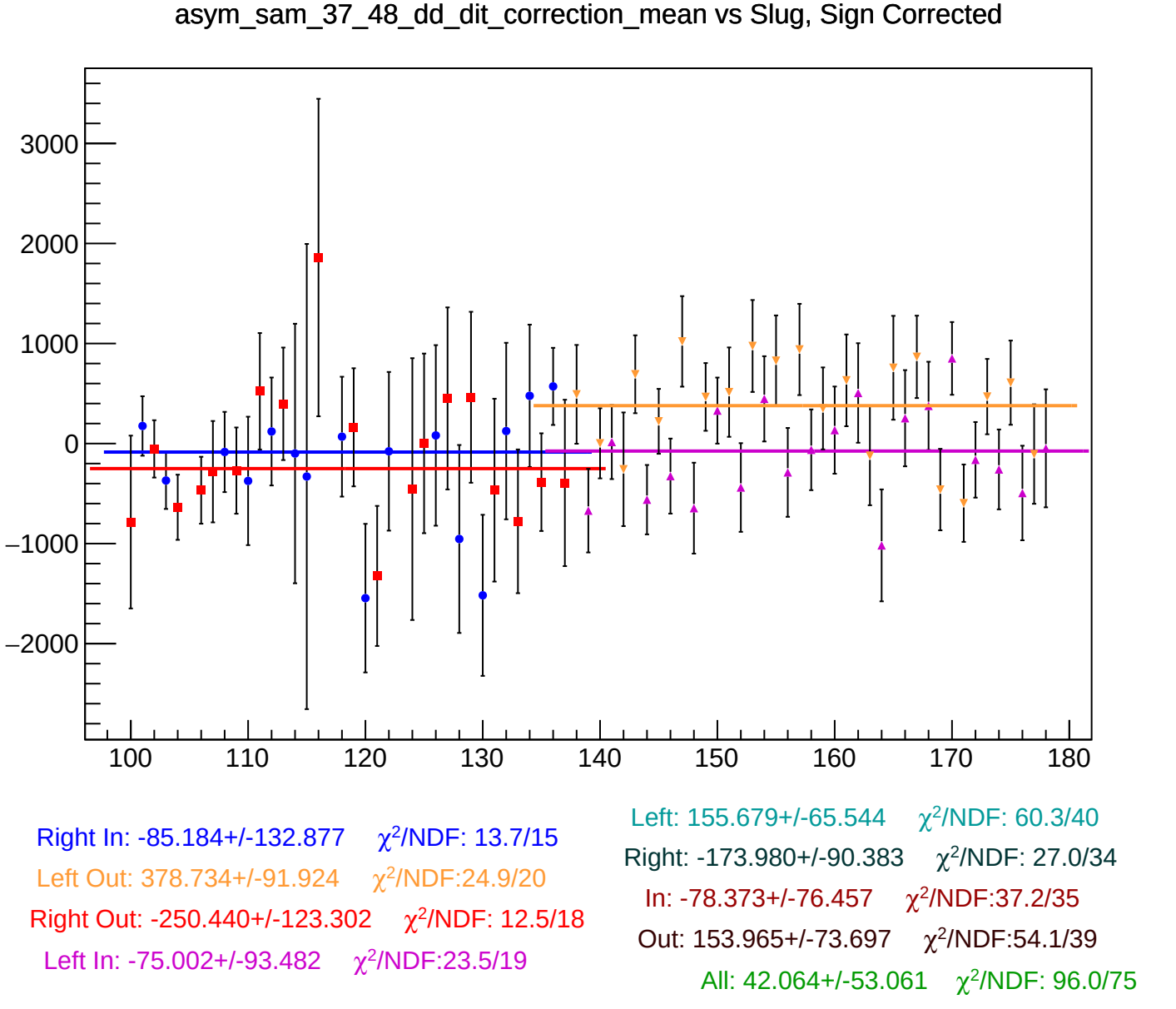
Left: 69.811+/-0.009 χ^2/NDF: 938861.0/40

Right: 70.822+/-0.013 χ^2/NDF: 597434.8/34

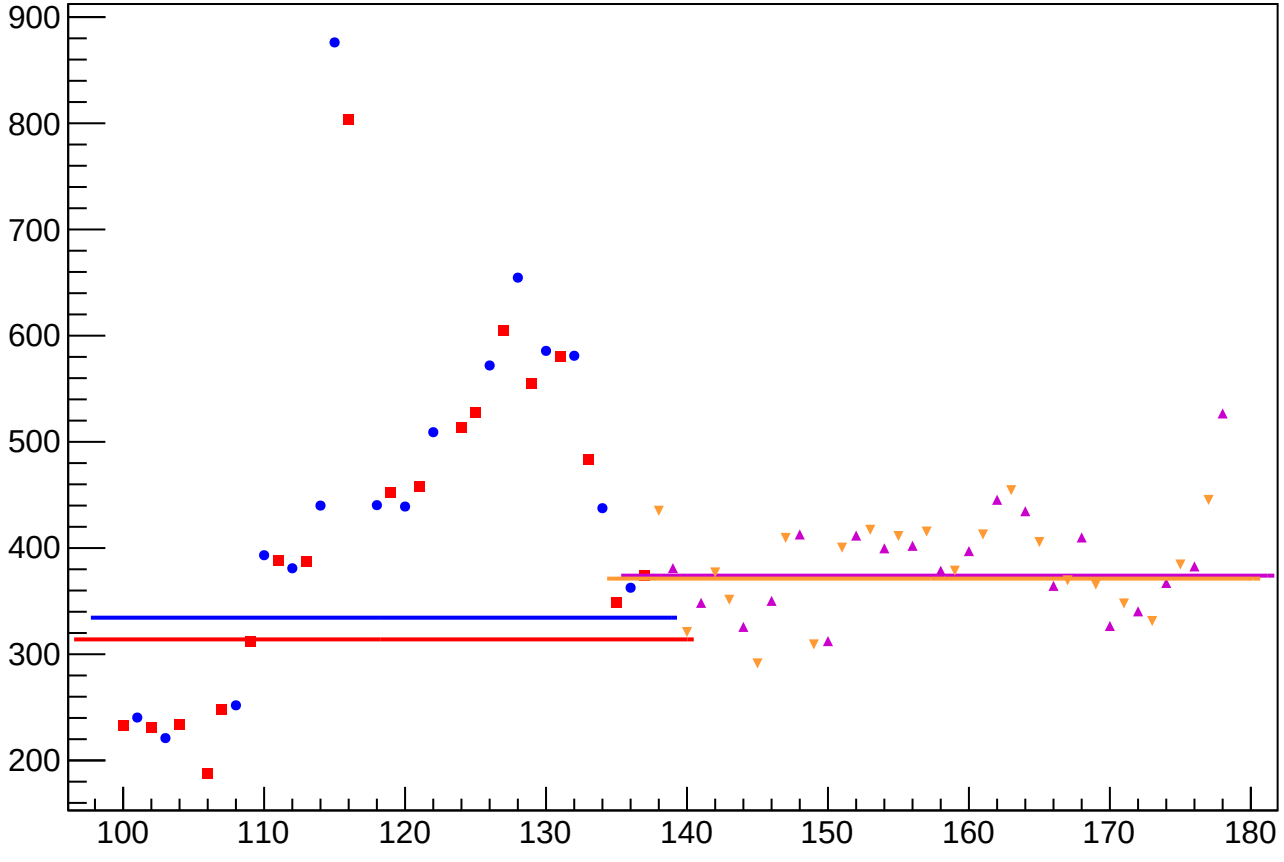
In: 70.121+/-0.010 χ^2/NDF:713504.6/35

Out: 70.111+/-0.010 χ^2/NDF:826867.5/39

All: 70.116+/-0.007 χ^2/NDF: 1540372.6/75


asym_sam_37_48_dd_dit_correction_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
170
180
Right In: -85.184+/-132.877 χ²/NDF: 13.7/15
Left Out: 378.734+/-91.924 χ²/NDF:24.9/20
Right Out: -250.440+/-123.302 χ²/NDF: 12.5/18
Left In: -75.002+/-93.482 χ²/NDF:23.5/19
Left: 155.679+/-65.544 χ²/NDF: 60.3/40
Right: -173.980+/-90.383 χ²/NDF: 27.0/34
In: -78.373+/-76.457 χ²/NDF:37.2/35
Out: 153.965+/-73.697 χ²/NDF:54.1/39
All: 42.064+/-53.061 χ²/NDF: 96.0/75

asym_sam_37_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 334.431+/-0.094 χ^2/NDF: 1730610.2/15

Left Out: 371.218+/-0.065 χ^2/NDF:504935.6/20

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

Left In: 374.008+/-0.066 χ^2/NDF:441013.9/19

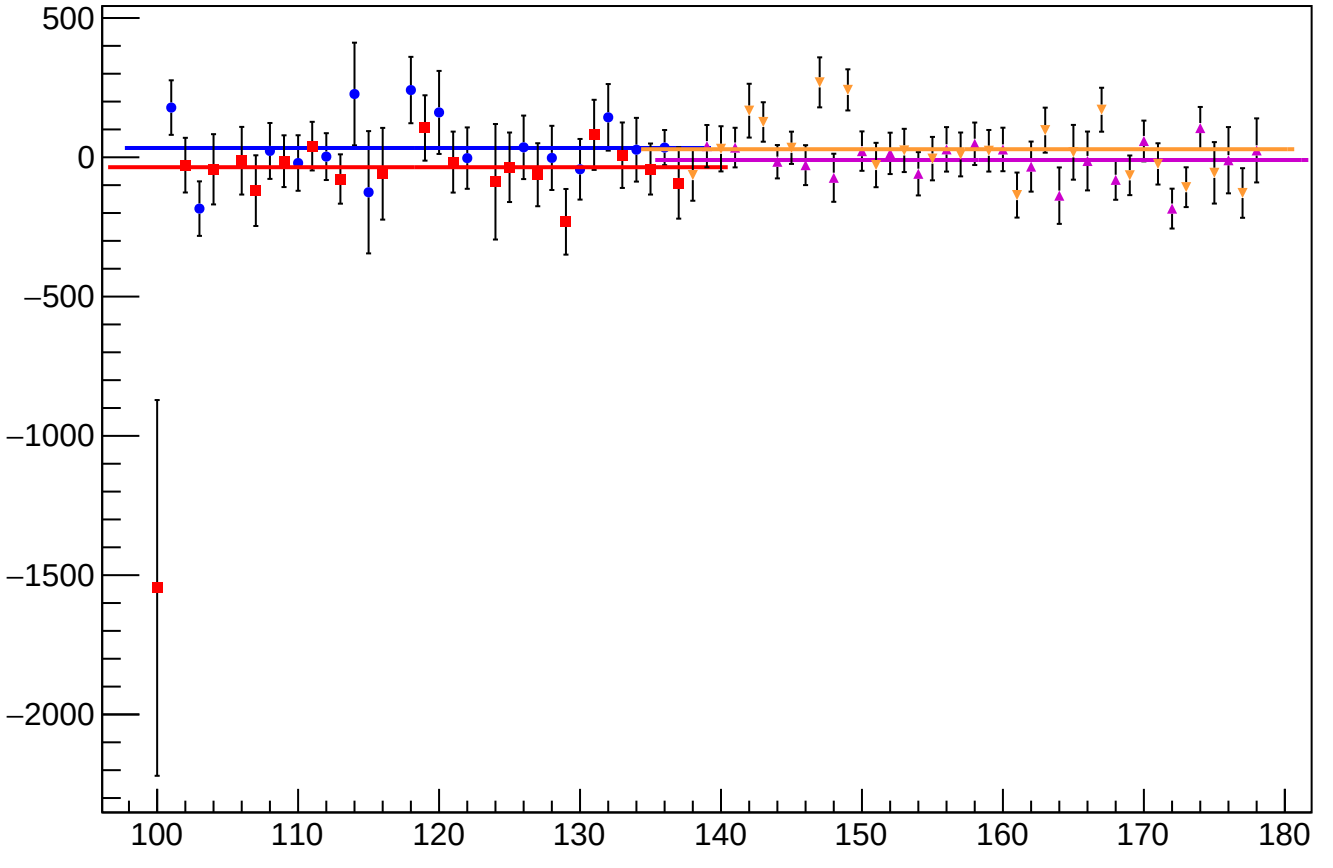
Left: 372.590+/-0.046 χ^2/NDF: 946855.2/40

Right: 323.437+/-0.064 χ^2/NDF: 3660694.2/34

In: 360.905+/-0.054 χ^2/NDF:2290308.7/35

Out: 350.767+/-0.052 χ^2/NDF:2686644.6/39

All: 355.650+/-0.038 χ^2/NDF: 4995181.5/75



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: -9.717+/-17.601 χ^2/NDF:15.1/19

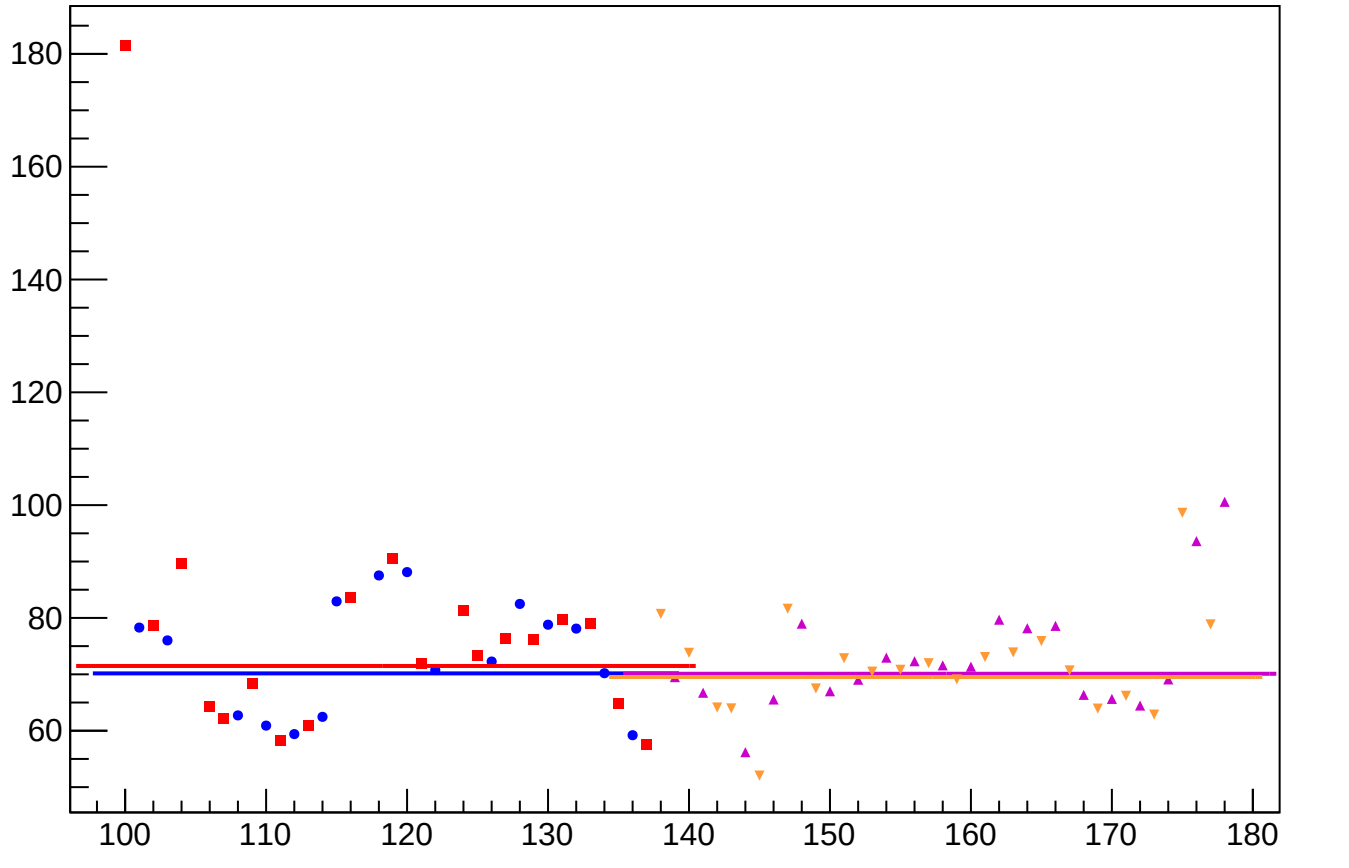
Left: 10.051+/-12.315 χ^2/NDF: 56.4/40

Right: -0.932+/-18.721 χ^2/NDF: 30.0/34

In: 3.540+/-14.647 χ^2/NDF:31.4/35

Out: 9.844+/-14.455 χ^2/NDF:55.2/39

All: 6.734+/-10.289 χ^2/NDF: 86.7/75



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: 70.101+/-0.012 χ^2/NDF:444241.7/19

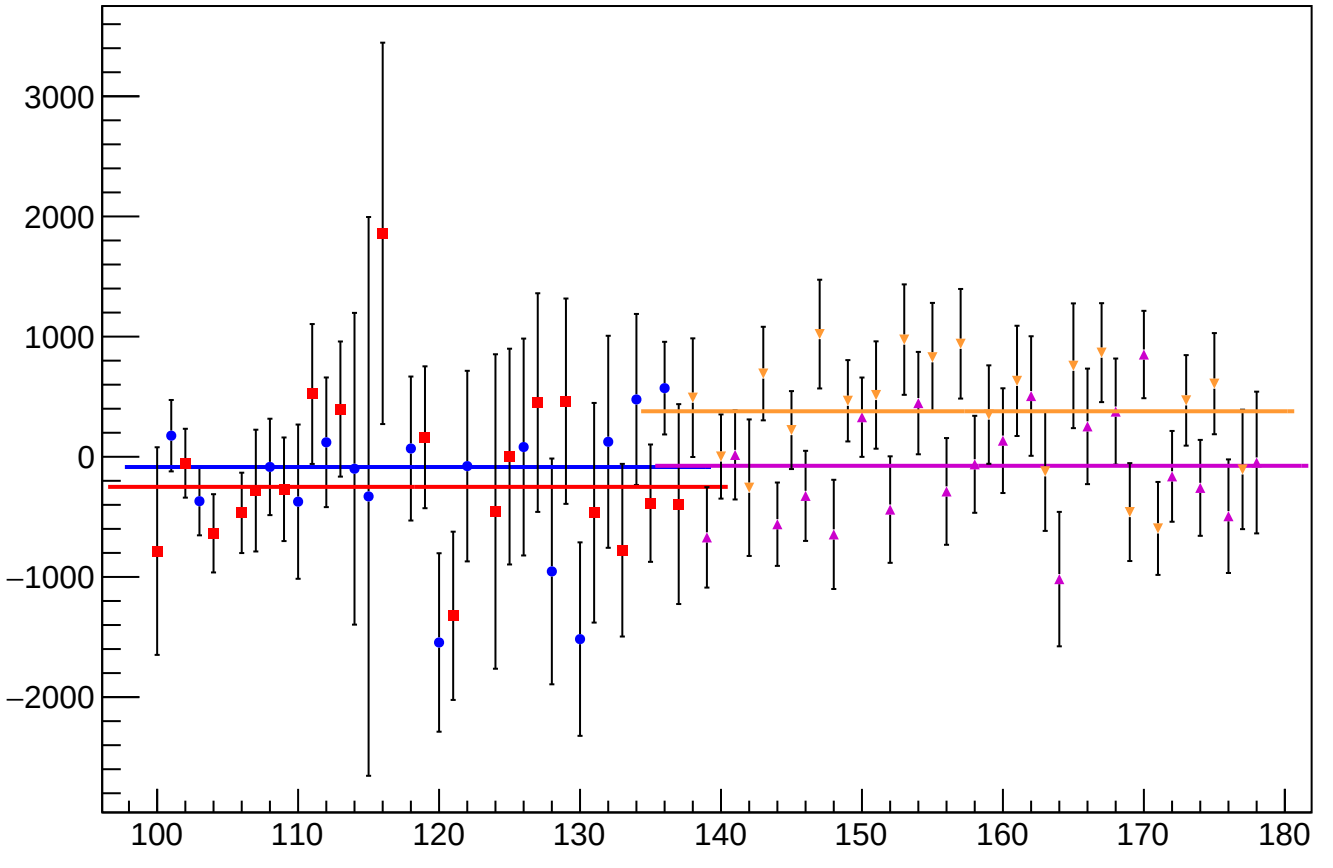
Left: 69.810+/-0.009 χ^2/NDF: 938860.4/40

Right: 70.822+/-0.013 χ^2/NDF: 597444.3/34

In: 70.121+/-0.010 χ^2/NDF:713503.4/35

Out: 70.111+/-0.010 χ^2/NDF:826878.6/39

All: 70.116+/-0.007 χ^2/NDF: 1540382.5/75



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: -75.001+/-93.482 χ^2/NDF:23.5/19

Left: 155.679+/-65.544 χ^2/NDF: 60.3/40

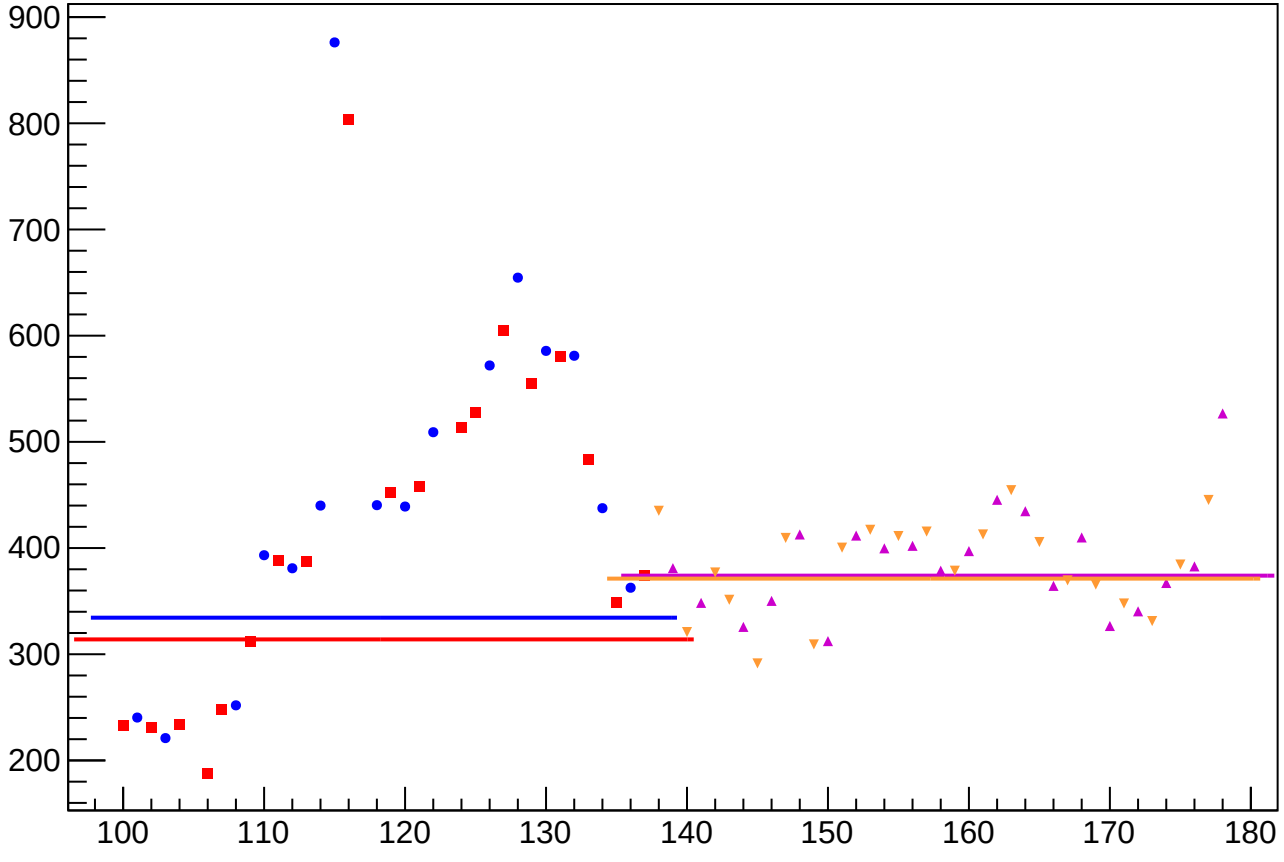
Right: -173.981+/-90.383 χ^2/NDF: 27.0/34

In: -78.373+/-76.457 χ^2/NDF:37.2/35

Out: 153.965+/-73.697 χ^2/NDF:54.1/39

All: 42.064+/-53.061 χ^2/NDF: 96.0/75

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: 374.008+/-0.066 χ^2/NDF:441011.6/19

Left: 372.589+/-0.046 χ^2/NDF: 946855.7/40

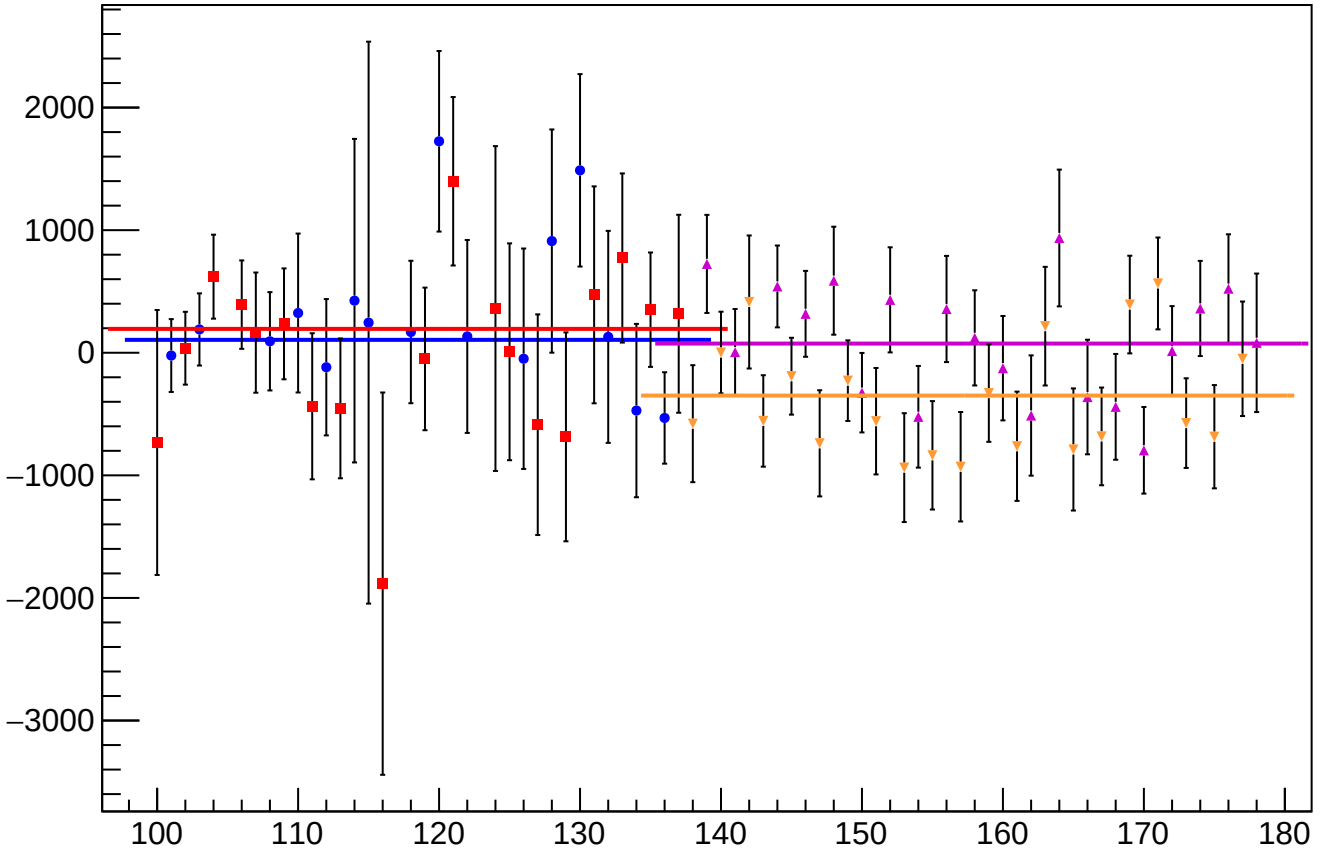
Right: 323.437+/-0.064 χ^2/NDF: 3660692.3/34

In: 360.905+/-0.054 χ^2/NDF:2290302.7/35

Out: 350.767+/-0.052 χ^2/NDF:2686643.0/39

All: 355.649+/-0.038 χ^2/NDF: 4995174.3/75

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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: 74.861+/-90.346 χ^2/NDF:25.2/19

Left: -140.414+/-63.389 χ^2/NDF: 60.7/40

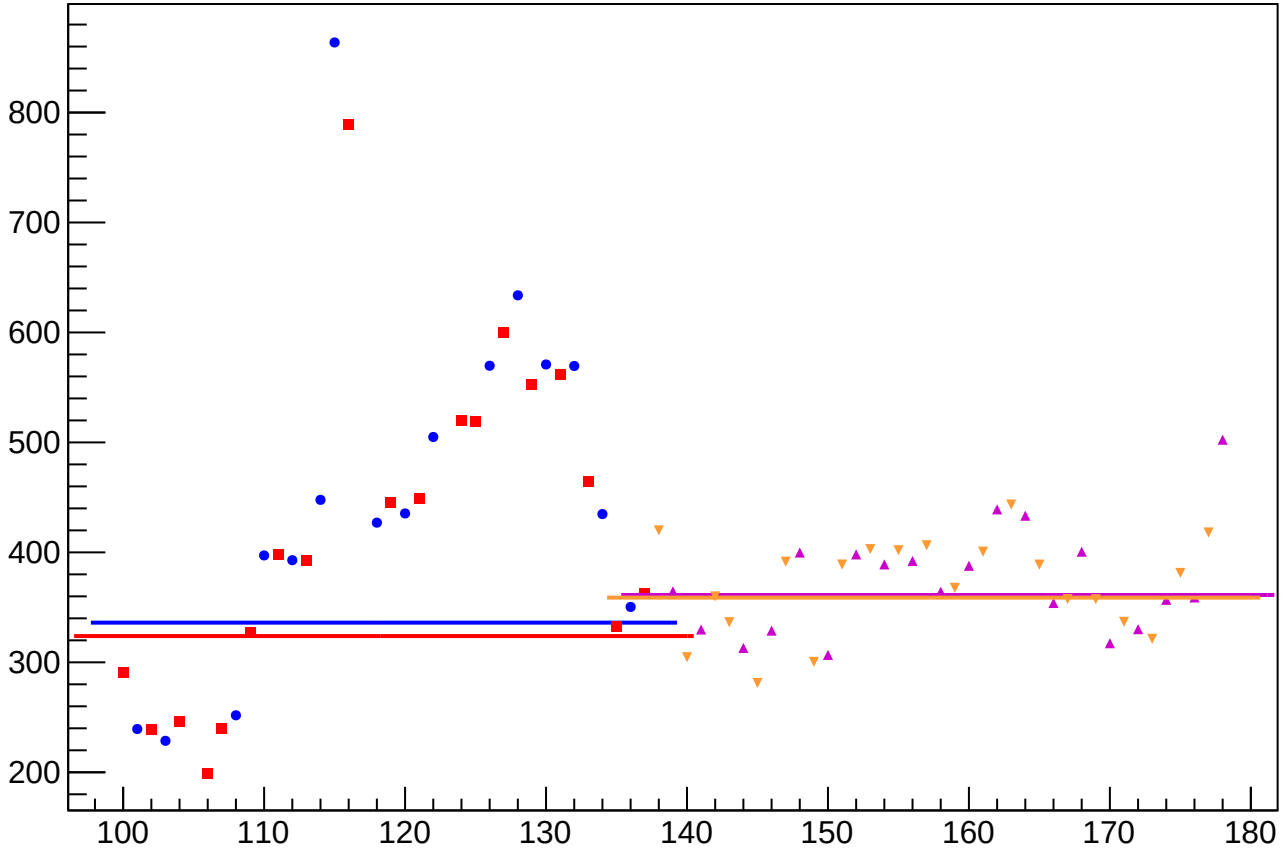
Right: 152.409+/-91.561 χ^2/NDF: 26.3/34

In: 84.496+/-74.742 χ^2/NDF:38.2/35

Out: -168.599+/-72.711 χ^2/NDF:49.8/39

All: -45.538+/-52.118 χ^2/NDF: 93.9/75

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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: 361.232+/-0.064 χ^2/NDF:460043.3/19

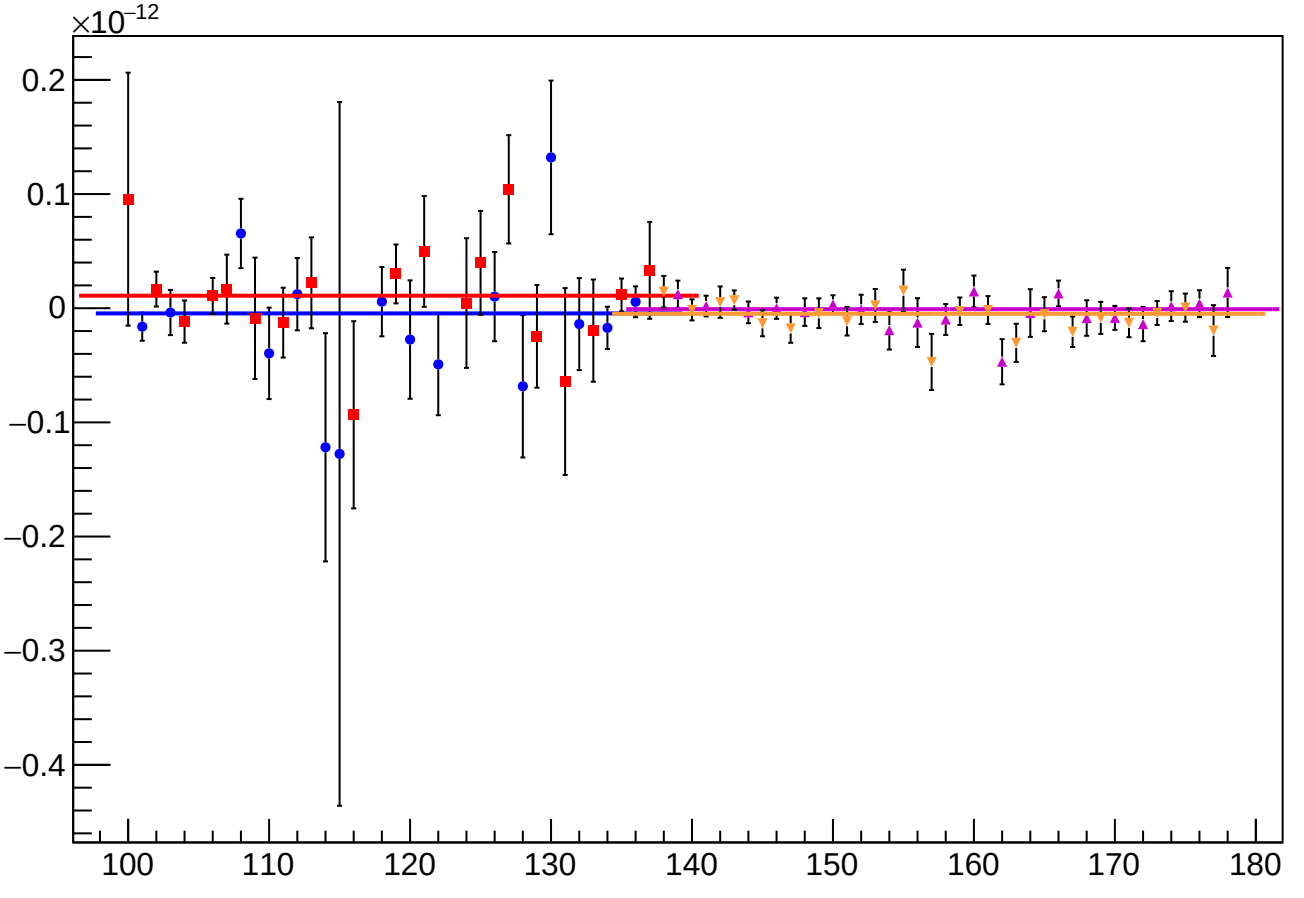
Left: 360.027+/-0.045 χ^2/NDF: 974915.8/40

Right: 329.666+/-0.065 χ^2/NDF: 3293280.0/34

In: 353.298+/-0.053 χ^2/NDF:2127914.7/35

Out: 347.248+/-0.051 χ^2/NDF:2282198.8/39

All: 350.190+/-0.037 χ^2/NDF: 4416845.7/75



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:14.0/19

Left: -0.000+/-0.000 χ^2/NDF: 30.8/40

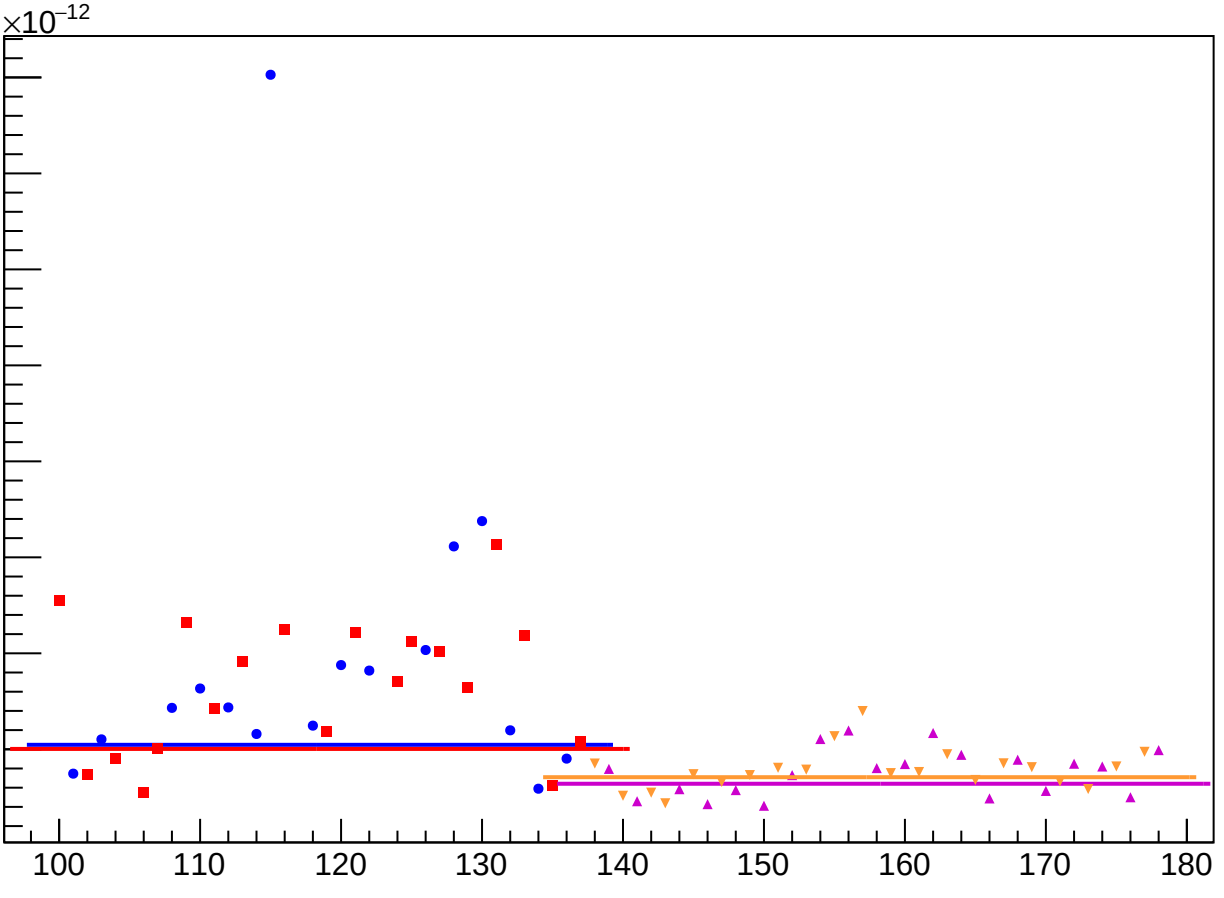
Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:30.8/35

Out: -0.000+/-0.000 χ^2/NDF:33.3/39

All: -0.000+/-0.000 χ^2/NDF: 64.1/75

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:1203971.5/19

Left: 0.000+/-0.000 χ^2/NDF: 2047186.1/40

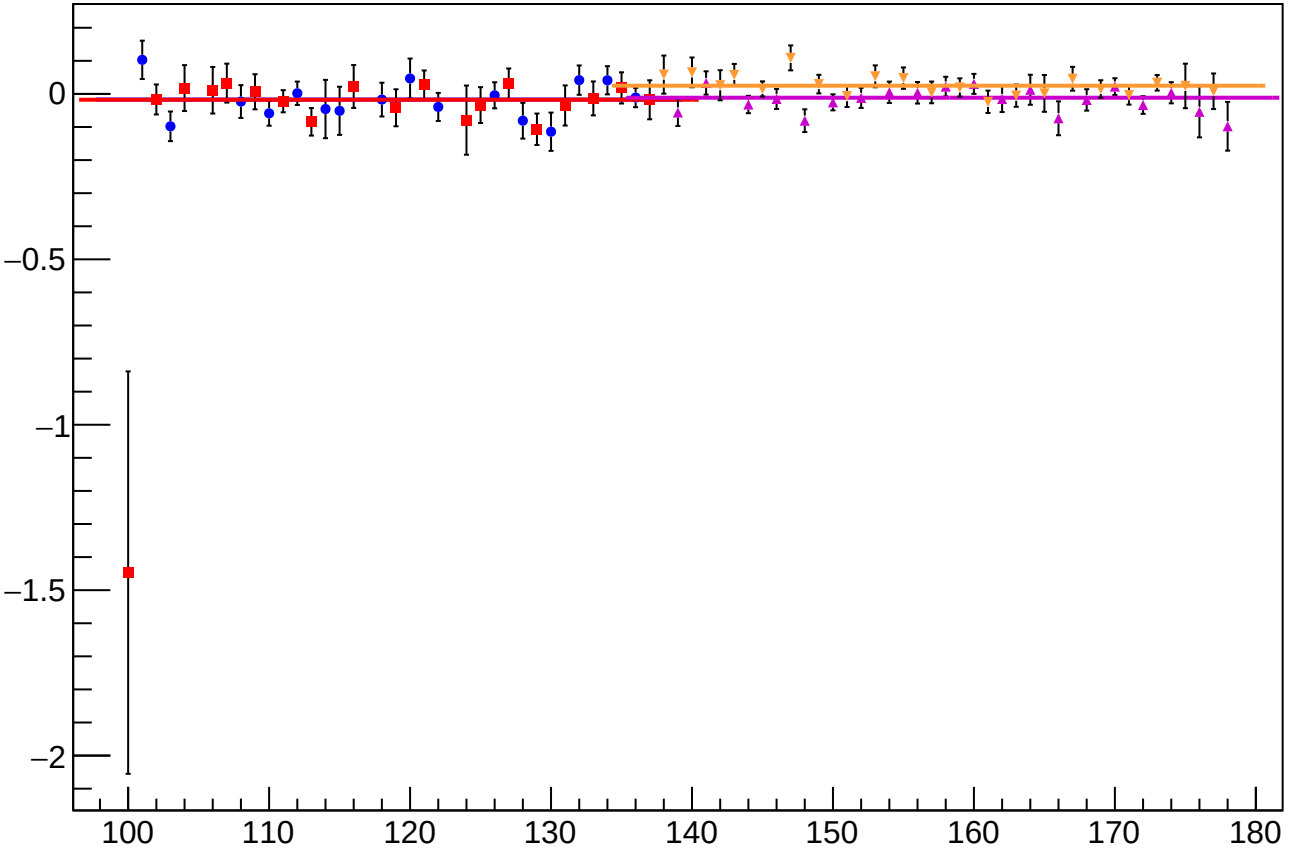
Right: 0.000+/-0.000 χ^2/NDF: 2604050.5/34

In: 0.000+/-0.000 χ^2/NDF:3058030.3/35

Out: 0.000+/-0.000 χ^2/NDF:2552672.9/39

All: 0.000+/-0.000 χ^2/NDF: 5653870.1/75

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:14.6/20

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.011+/-0.007 χ^2/NDF:17.6/19

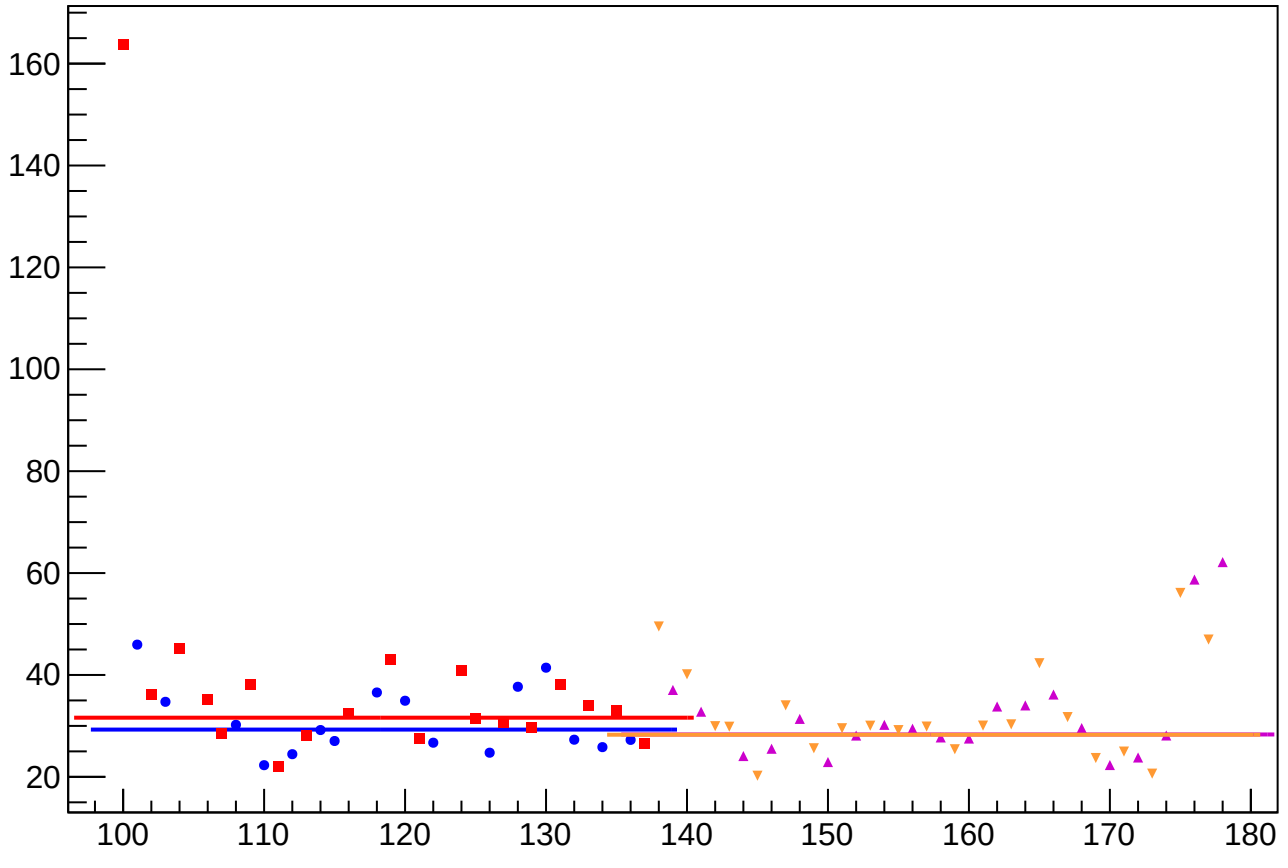
Left: 0.007+/-0.005 χ^2/NDF: 44.6/40

Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.006 χ^2/NDF:36.6/35

Out: 0.014+/-0.006 χ^2/NDF:40.5/39

All: 0.000+/-0.004 χ^2/NDF: 86.4/75



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: 28.320+/-0.005 χ^2/NDF:1339642.1/19

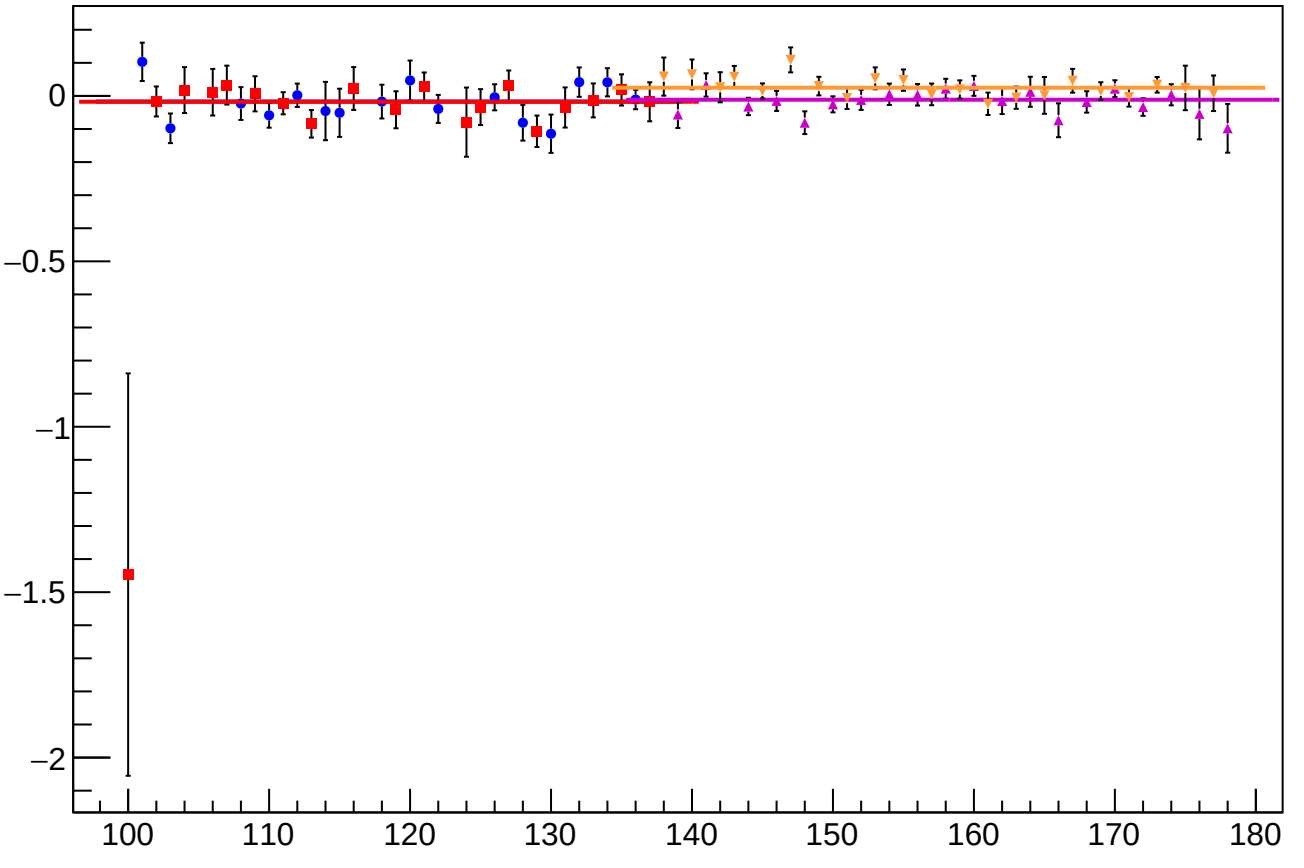
Left: 28.294+/-0.004 χ^2/NDF: 3146922.9/40

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.604+/-0.004 χ^2/NDF:1910349.3/35

Out: 29.154+/-0.004 χ^2/NDF:2491724.9/39

All: 28.877+/-0.003 χ^2/NDF: 4409966.8/75



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:17.6/19

Left: 0.007+/-0.005 χ^2/NDF: 44.6/40

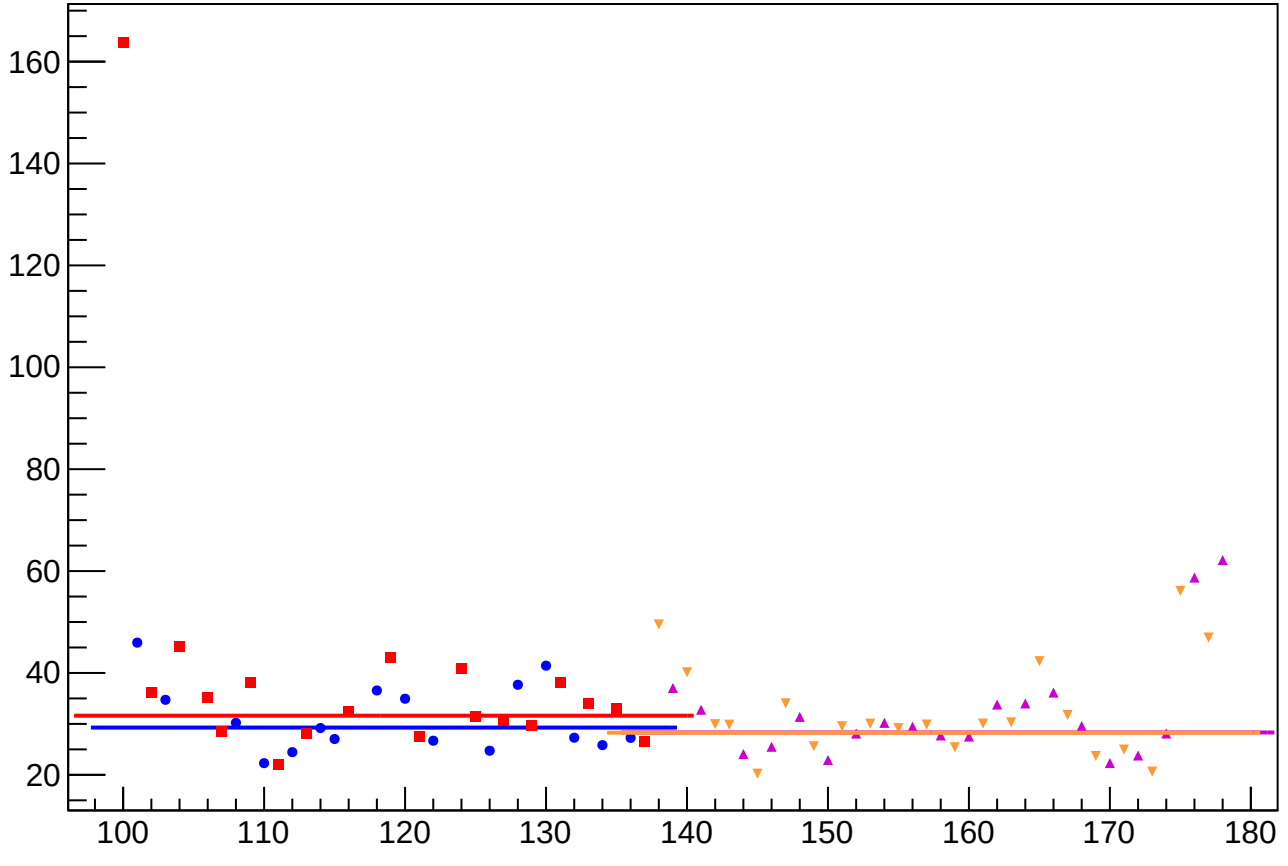
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.006 χ^2/NDF:36.6/35

Out: 0.014+/-0.006 χ^2/NDF:40.5/39

All: 0.000+/-0.004 χ^2/NDF: 86.4/75

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: 28.320+/-0.005 χ^2/NDF:1339642.1/19

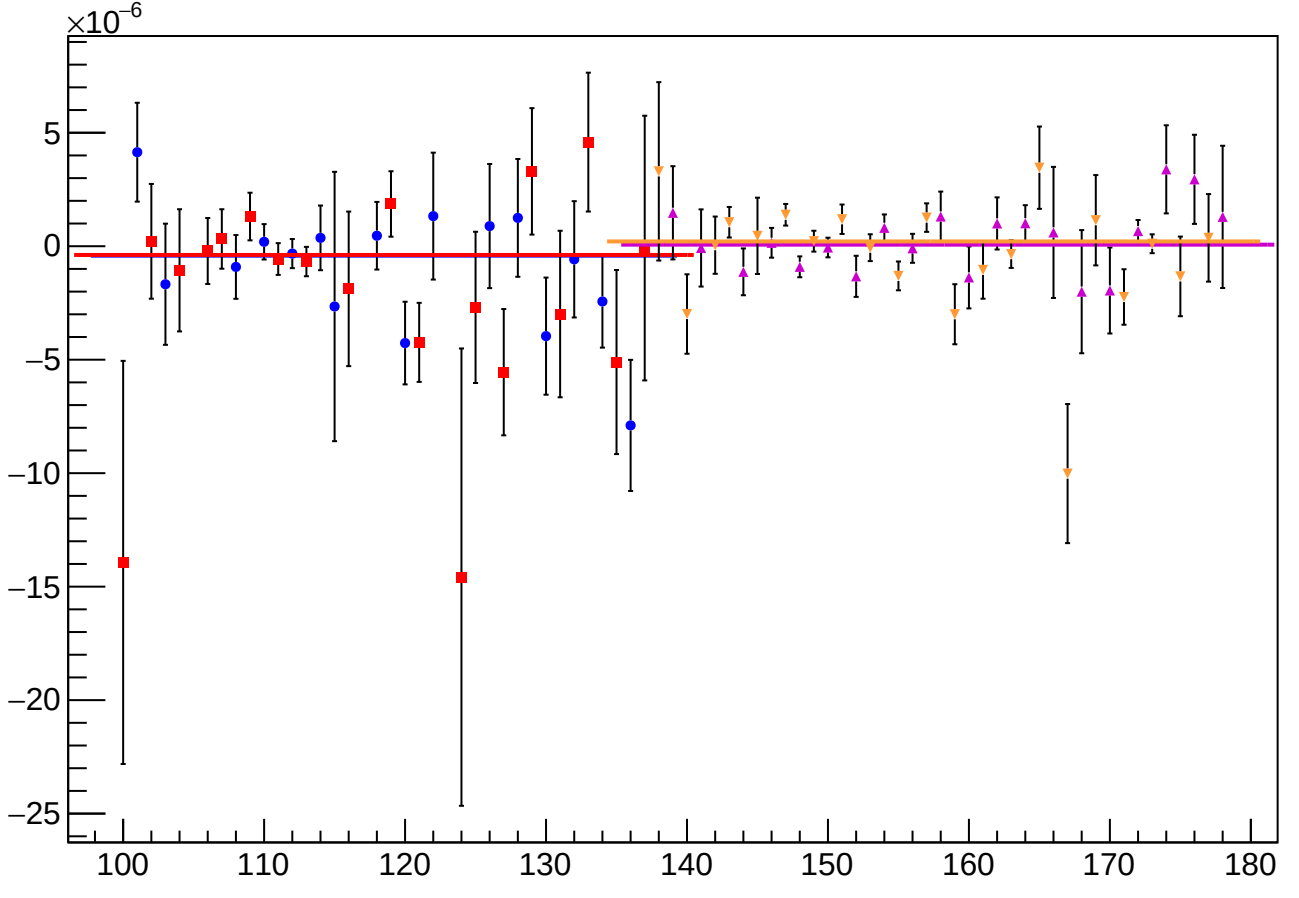
Left: 28.294+/-0.004 χ^2/NDF: 3146922.9/40

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.604+/-0.004 χ^2/NDF:1910349.3/35

Out: 29.154+/-0.004 χ^2/NDF:2491724.9/39

All: 28.877+/-0.003 χ^2/NDF: 4409966.8/75



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:23.4/19

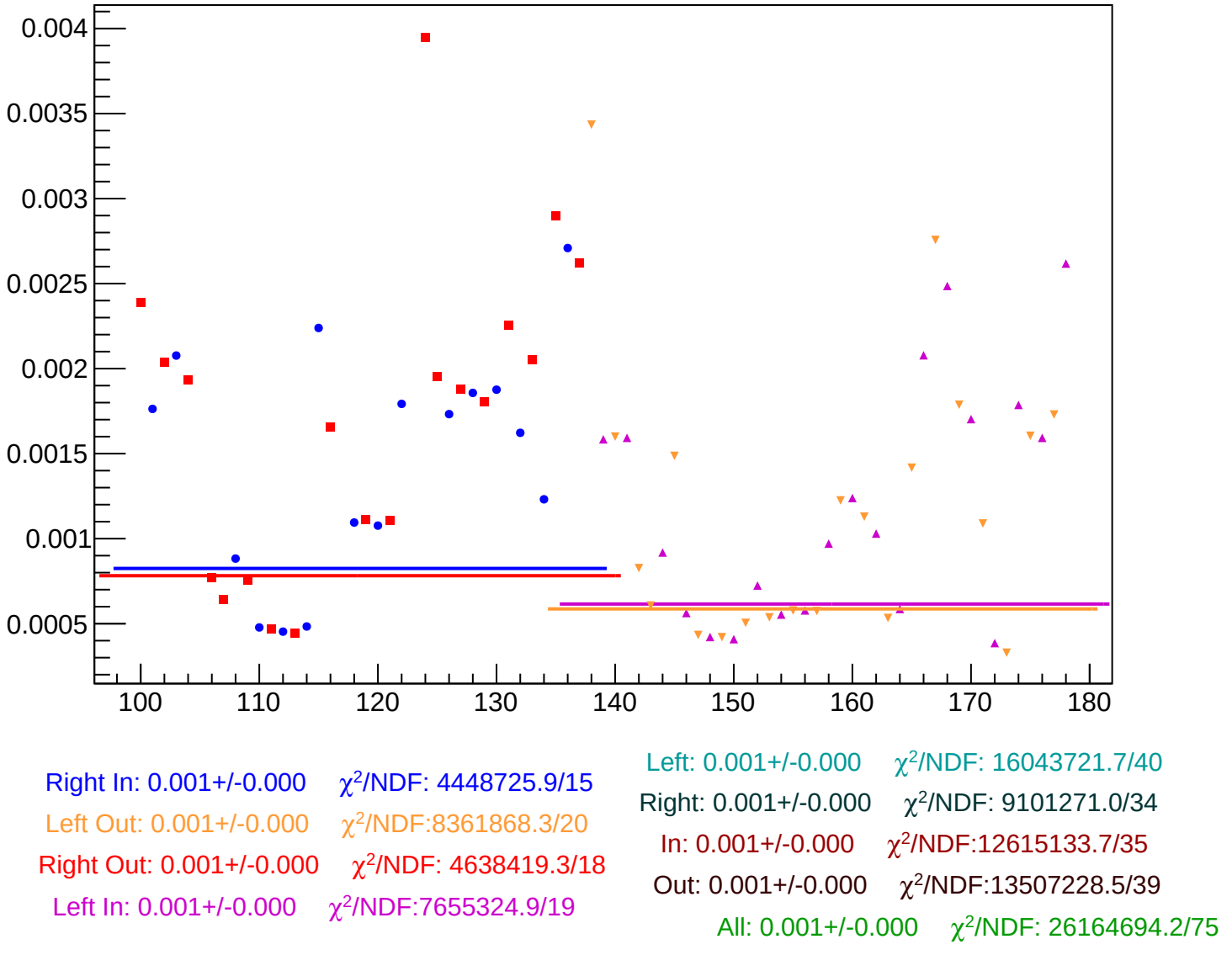
Left: 0.000+/-0.000 χ^2/NDF: 73.5/40

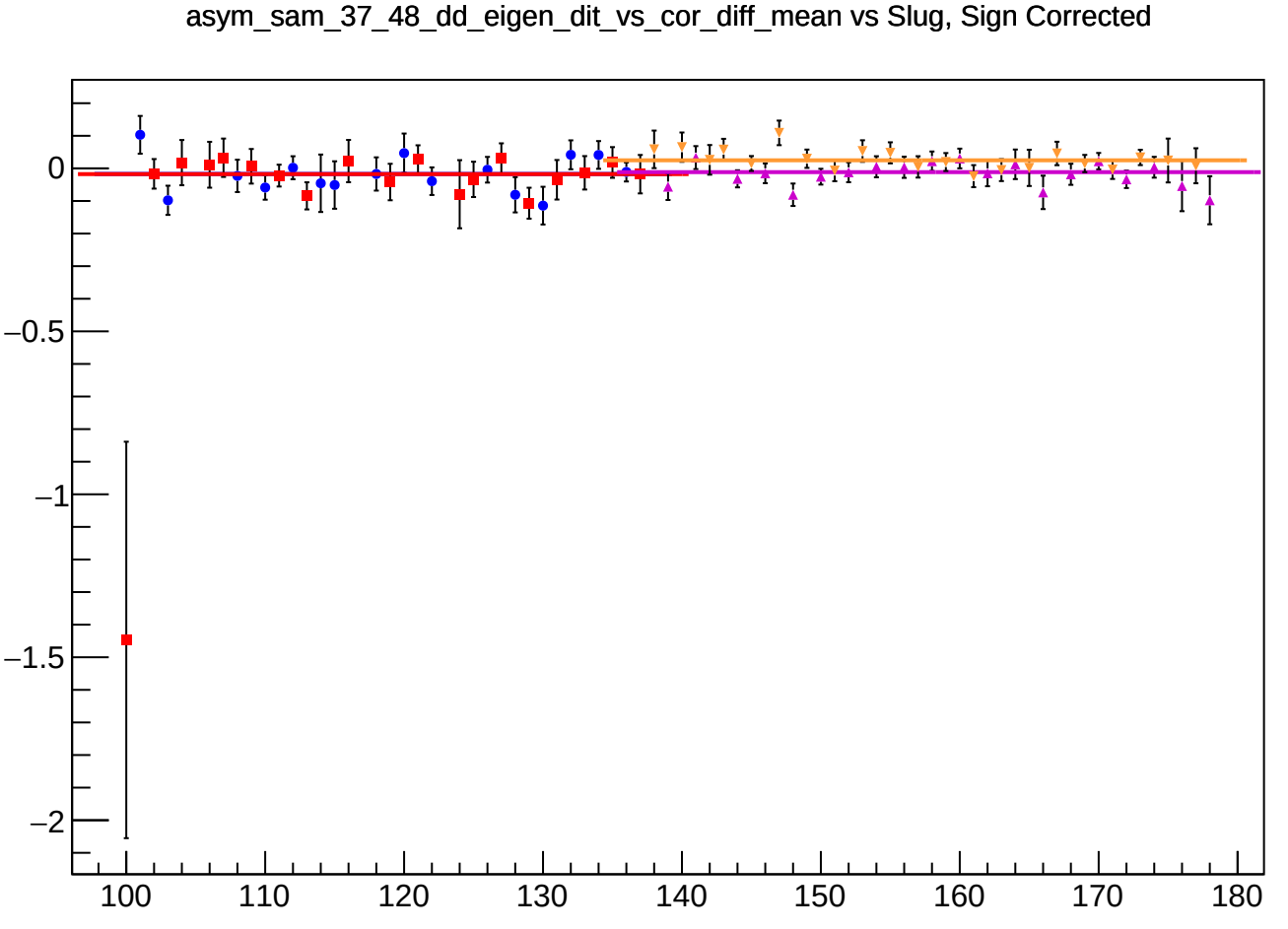
Right: -0.000+/-0.000 χ^2/NDF: 46.5/34

In: -0.000+/-0.000 χ^2/NDF:46.0/35

Out: 0.000+/-0.000 χ^2/NDF:77.4/39

All: 0.000+/-0.000 χ^2/NDF: 123.7/75


asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
180
Right In: 0.001+/-0.000 χ²/NDF: 4448725.9/15
Left Out: 0.001+/-0.000 χ²/NDF:8361868.3/20
Right Out: 0.001+/-0.000 χ²/NDF: 4638419.3/18
Left In: 0.001+/-0.000 χ²/NDF:7655324.9/19
Left: 0.001+/-0.000 χ²/NDF: 16043721.7/40
Right: 0.001+/-0.000 χ²/NDF: 9101271.0/34
In: 0.001+/-0.000 χ²/NDF:12615133.7/35
Out: 0.001+/-0.000 χ²/NDF:13507228.5/39
All: 0.001+/-0.000 χ²/NDF: 26164694.2/75



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:17.6/19

Left: 0.007+/-0.005 χ^2/NDF: 44.6/40

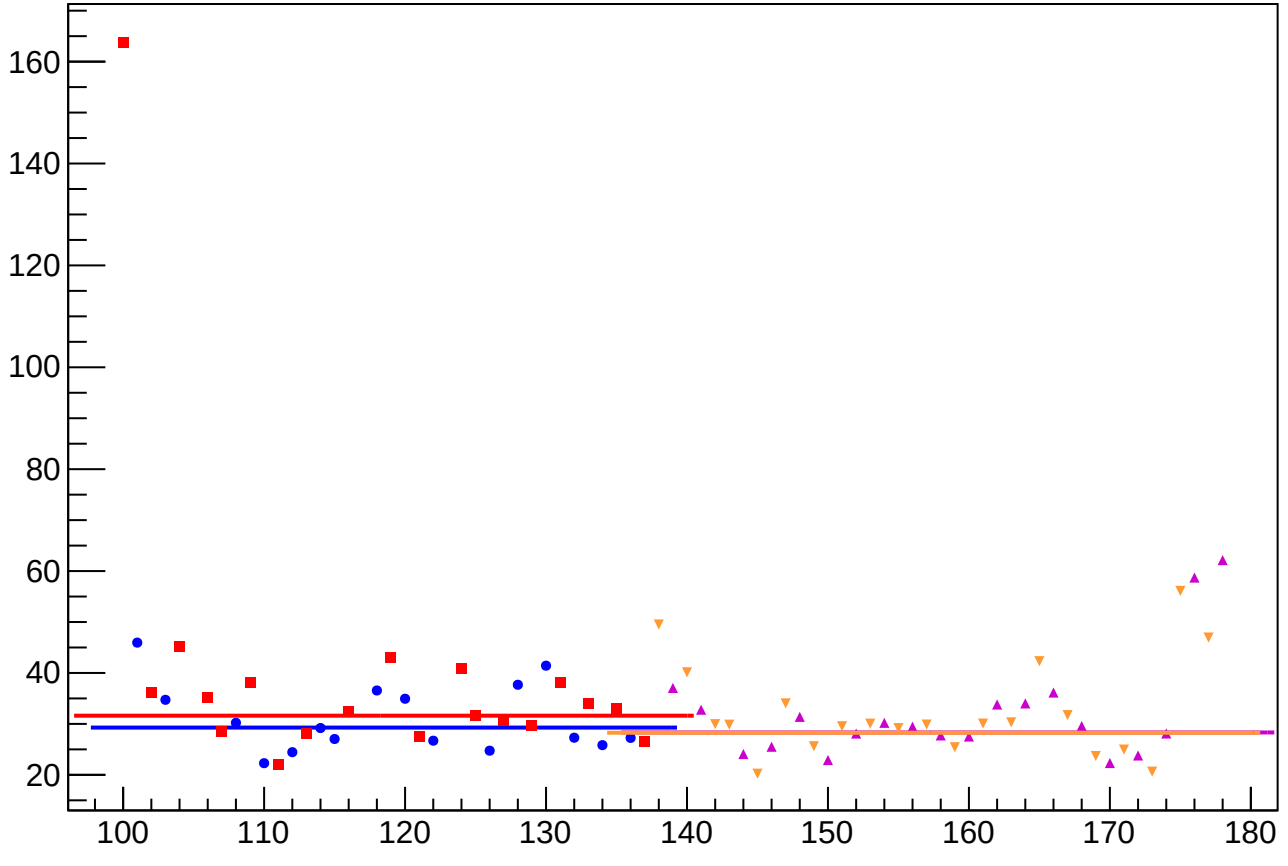
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.006 χ^2/NDF:36.6/35

Out: 0.014+/-0.006 χ^2/NDF:40.5/39

All: 0.000+/-0.004 χ^2/NDF: 86.4/75

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: 28.319+/-0.005 χ^2/NDF:1339606.7/19

Left: 28.294+/-0.004 χ^2/NDF: 3146928.4/40

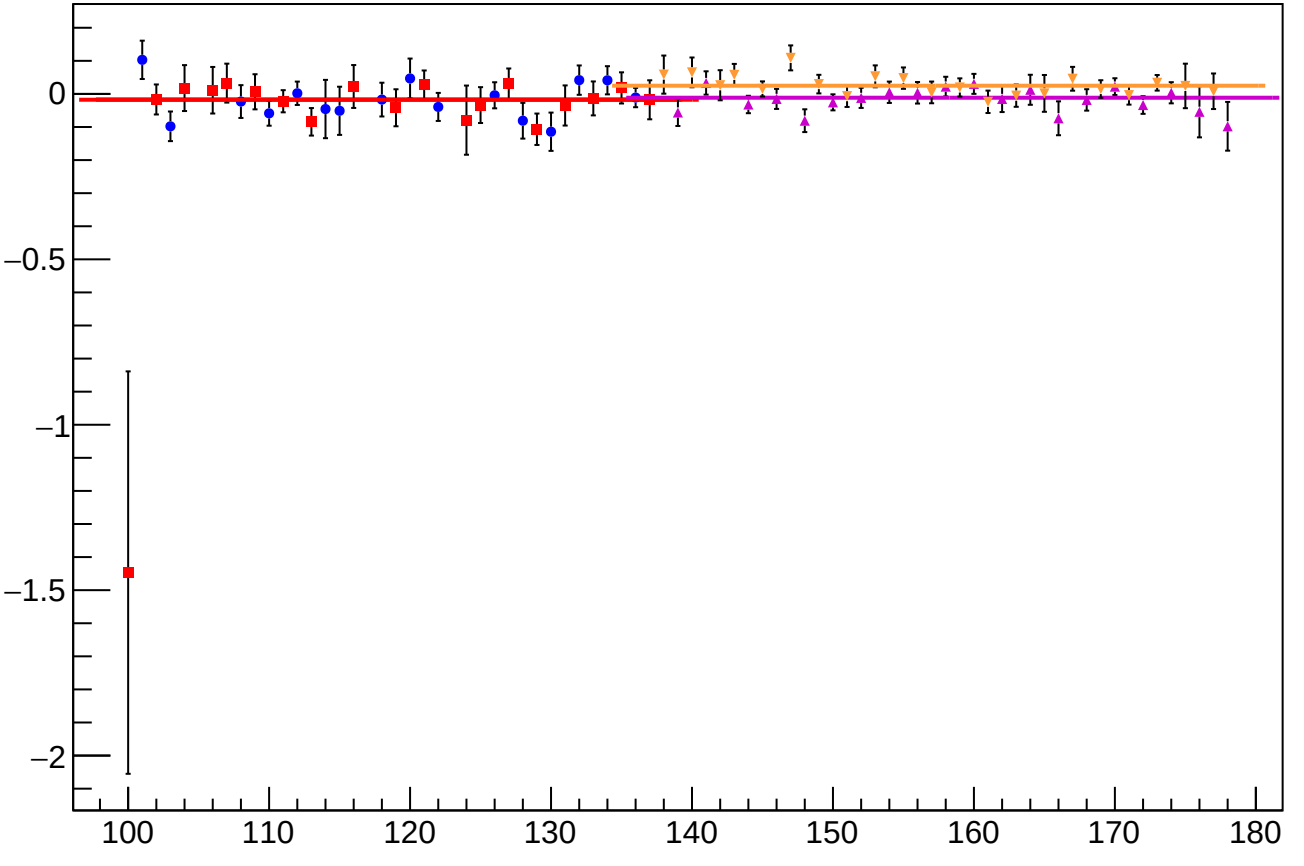
Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 28.604+/-0.004 χ^2/NDF:1910319.7/35

Out: 29.154+/-0.004 χ^2/NDF:2491793.6/39

All: 28.877+/-0.003 χ^2/NDF: 4410005.5/75

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:14.6/20

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.011+/-0.007 χ^2/NDF:17.6/19

Left: 0.007+/-0.005 χ^2/NDF: 44.6/40

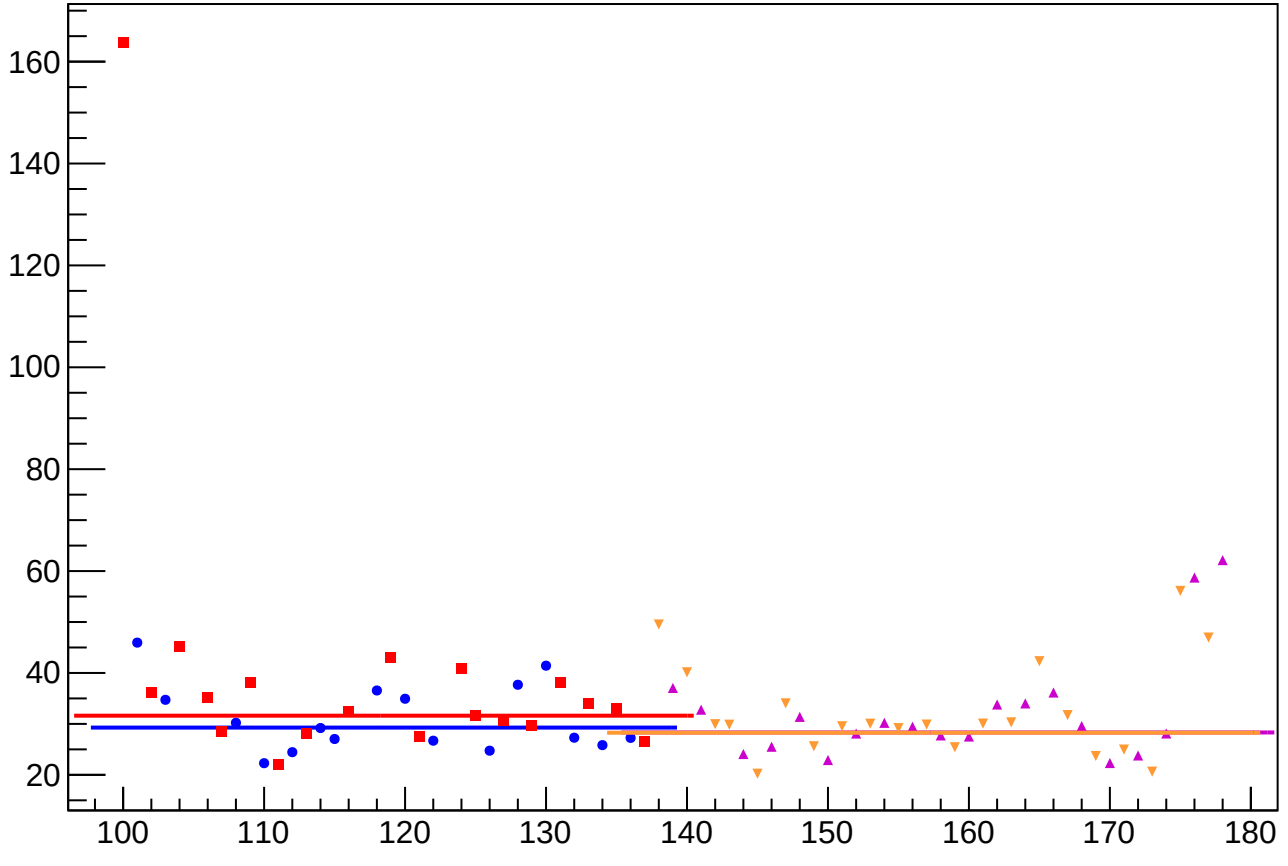
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.006 χ^2/NDF:36.6/35

Out: 0.014+/-0.006 χ^2/NDF:40.5/39

All: 0.000+/-0.004 χ^2/NDF: 86.4/75

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: 28.319+/-0.005 χ^2/NDF:1339606.7/19

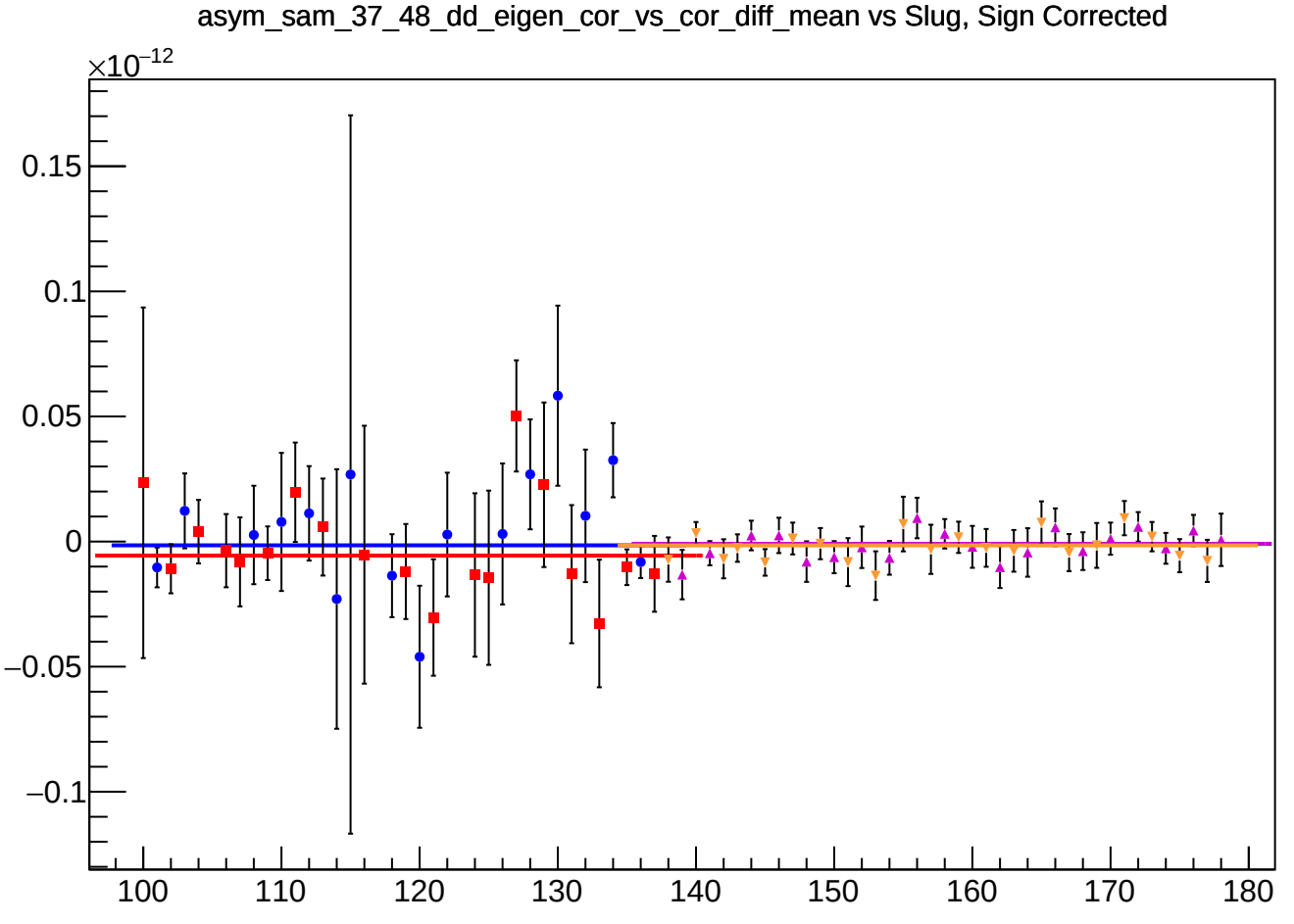
Left: 28.294+/-0.004 χ^2/NDF: 3146928.4/40

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 28.604+/-0.004 χ^2/NDF:1910319.7/35

Out: 29.154+/-0.004 χ^2/NDF:2491793.6/39

All: 28.877+/-0.003 χ^2/NDF: 4410005.5/75



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:11.5/19

Left: -0.000+/-0.000 χ^2/NDF: 23.6/40

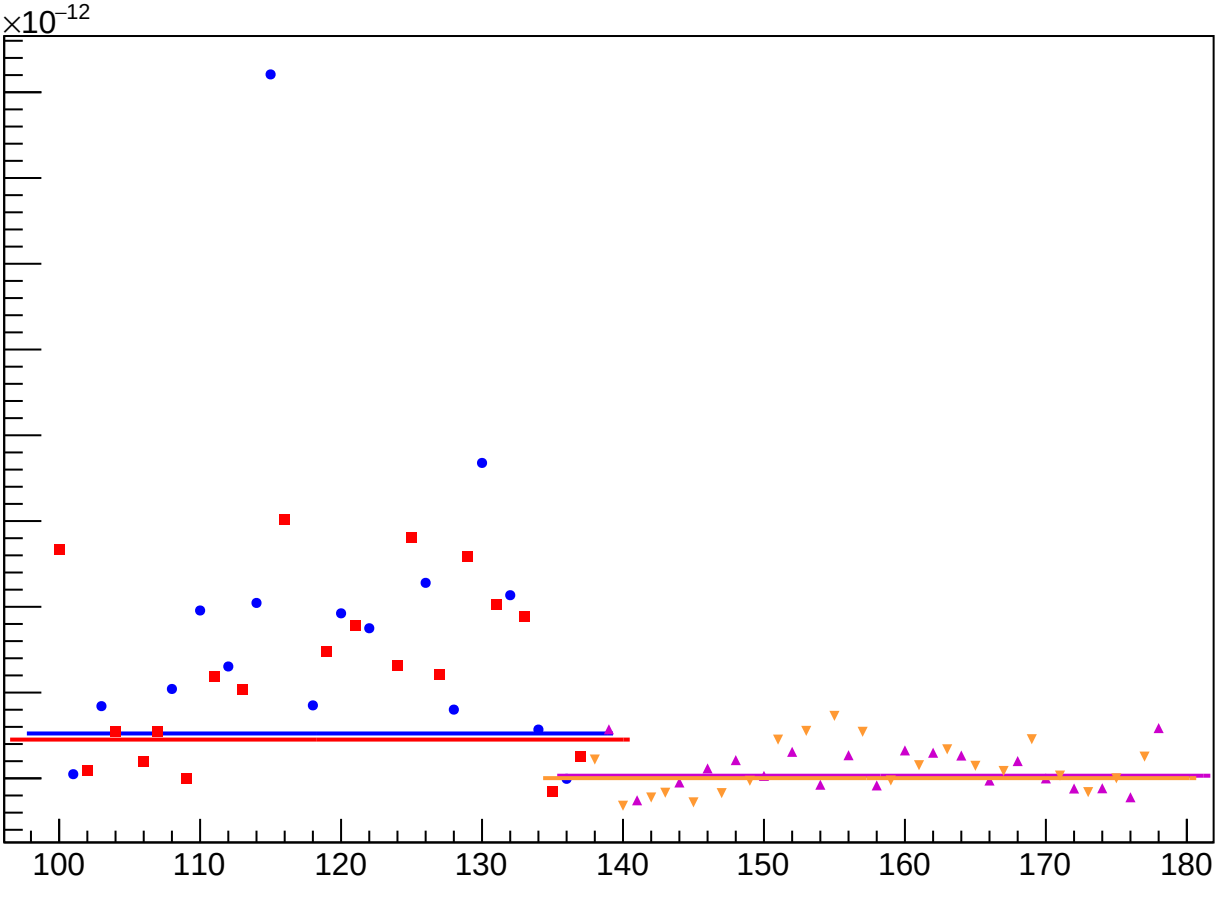
Right: -0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:28.5/35

Out: -0.000+/-0.000 χ^2/NDF:26.4/39

All: -0.000+/-0.000 χ^2/NDF: 55.2/75

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:951644.3/19

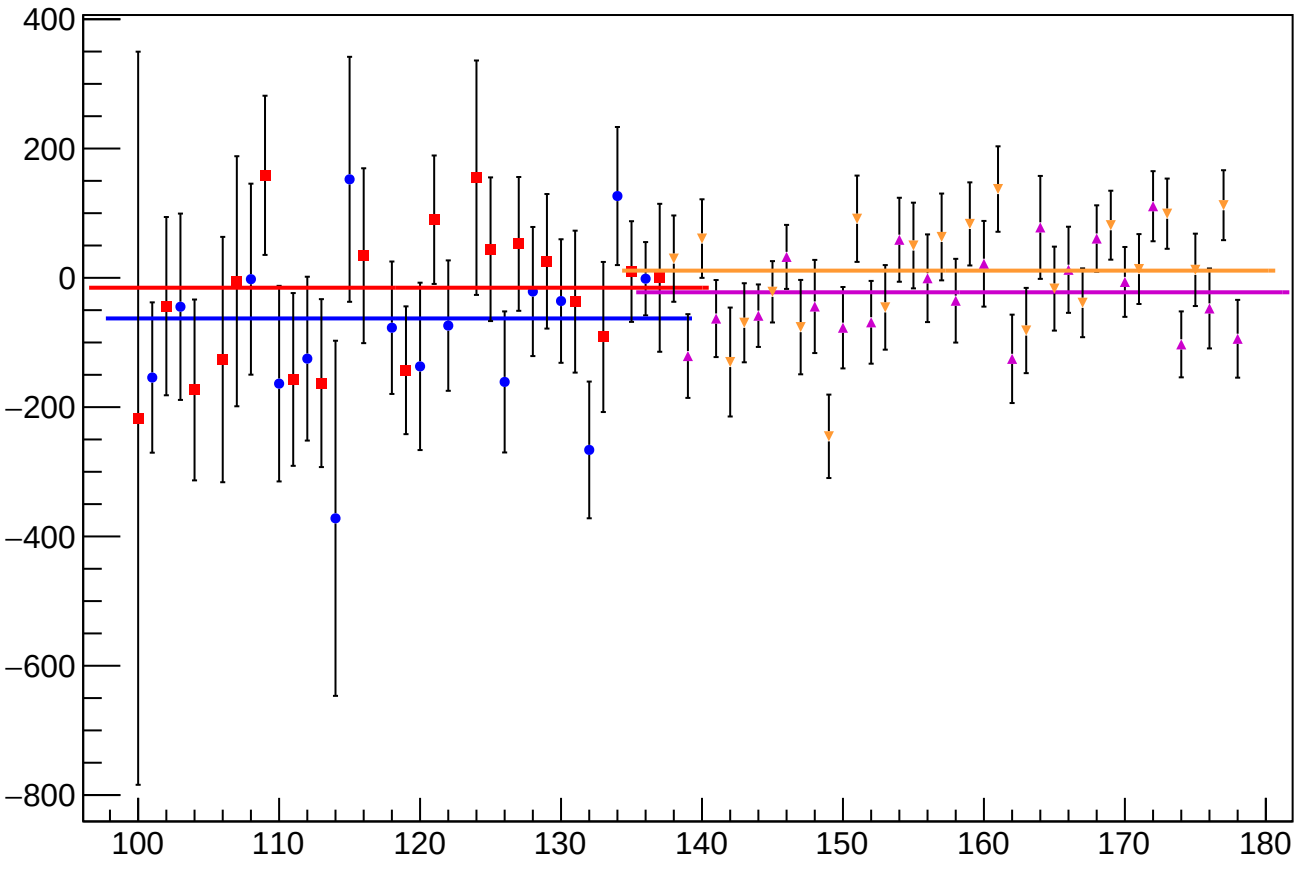
Left: 0.000+/-0.000 χ^2/NDF: 2492812.8/40

Right: 0.000+/-0.000 χ^2/NDF: 4028618.6/34

In: 0.000+/-0.000 χ^2/NDF:3684447.0/35

Out: 0.000+/-0.000 χ^2/NDF:4176477.4/39

All: 0.000+/-0.000 χ^2/NDF: 7873115.3/75



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: -22.354+/-13.428 χ^2/NDF:25.0/19

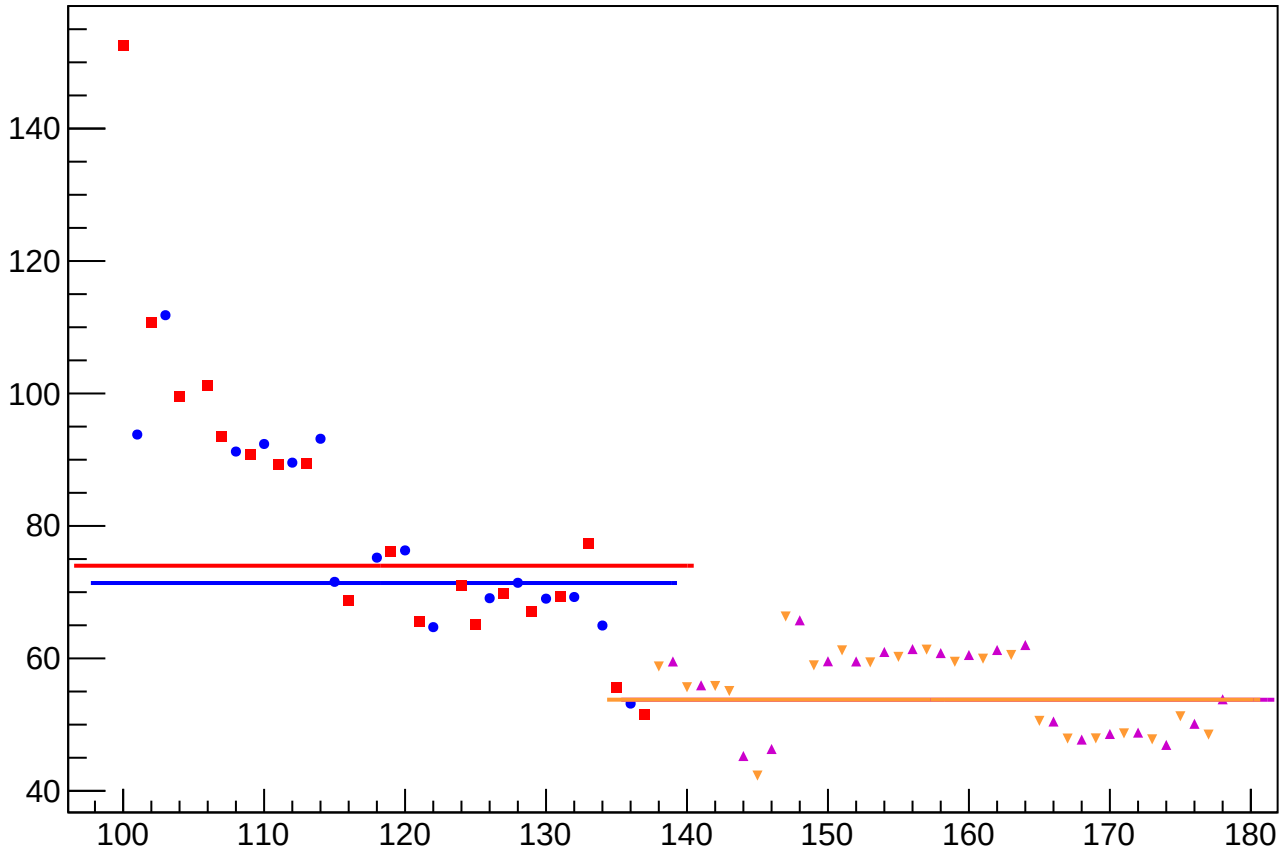
Left: -5.418+/-9.443 χ^2/NDF: 70.1/40

Right: -39.524+/-19.436 χ^2/NDF: 26.4/34

In: -30.273+/-12.042 χ^2/NDF:40.3/35

Out: 6.229+/-11.982 χ^2/NDF:54.1/39

All: -11.931+/-8.494 χ^2/NDF: 99.1/75



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: 53.758+/-0.009 χ^2/NDF:464492.0/19

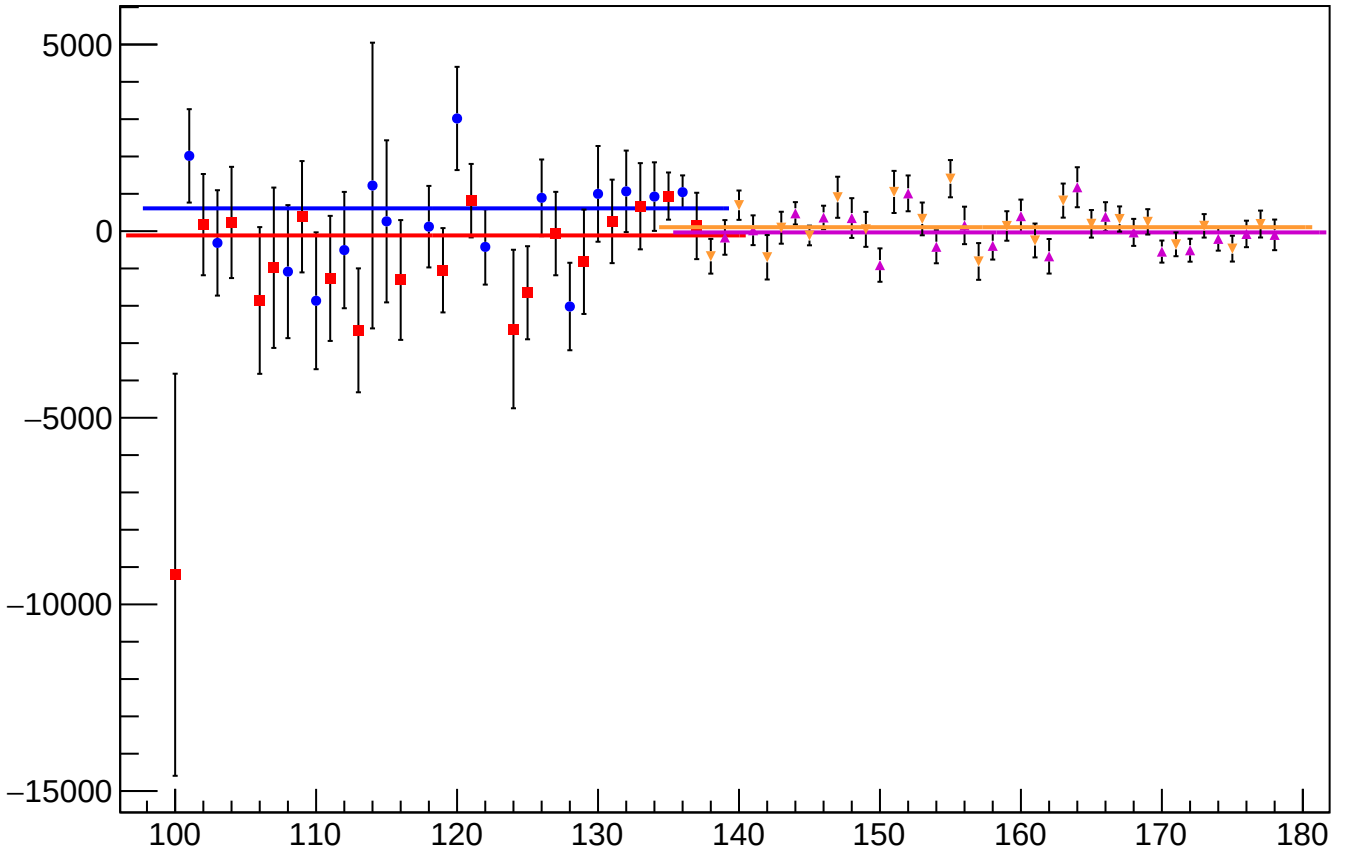
Left: 53.763+/-0.007 χ^2/NDF: 925306.1/40

Right: 72.662+/-0.014 χ^2/NDF: 1238370.4/34

In: 57.209+/-0.009 χ^2/NDF:1730122.1/35

Out: 57.534+/-0.008 χ^2/NDF:1962639.9/39

All: 57.372+/-0.006 χ^2/NDF: 3693493.7/75



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: -33.964+/-86.099 χ^2/NDF:30.5/19

Left: 35.985+/-60.877 χ^2/NDF: 63.5/40

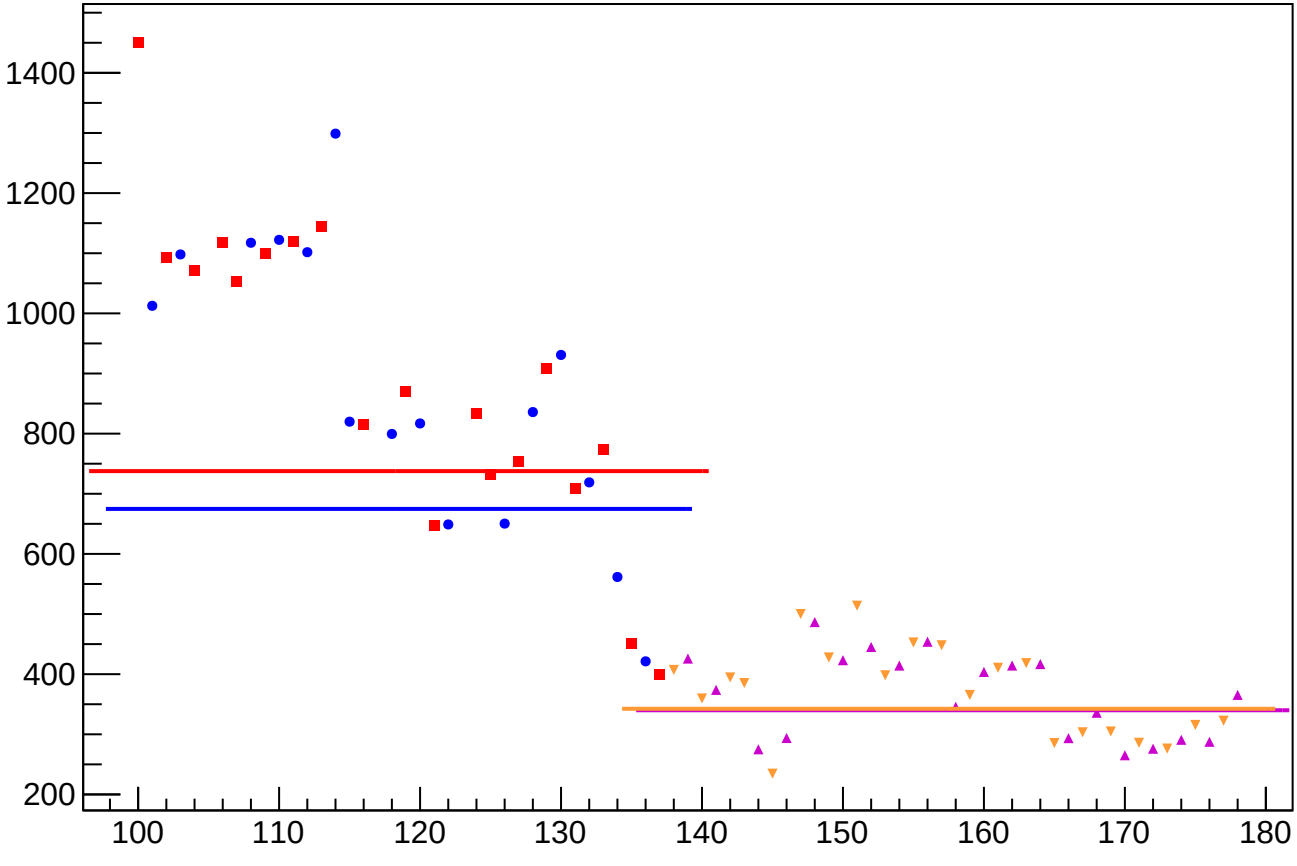
Right: 270.981+/-194.553 χ^2/NDF: 34.7/34

In: 26.826+/-81.938 χ^2/NDF:51.5/35

Out: 87.392+/-82.393 χ^2/NDF:47.8/39

All: 56.941+/-58.099 χ^2/NDF: 99.6/75

asym_sam_15_26_dd_reg_correction_rms vs Slug, Sign Corrected



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: 339.995+/-0.061 χ^2/NDF:1174069.4/19

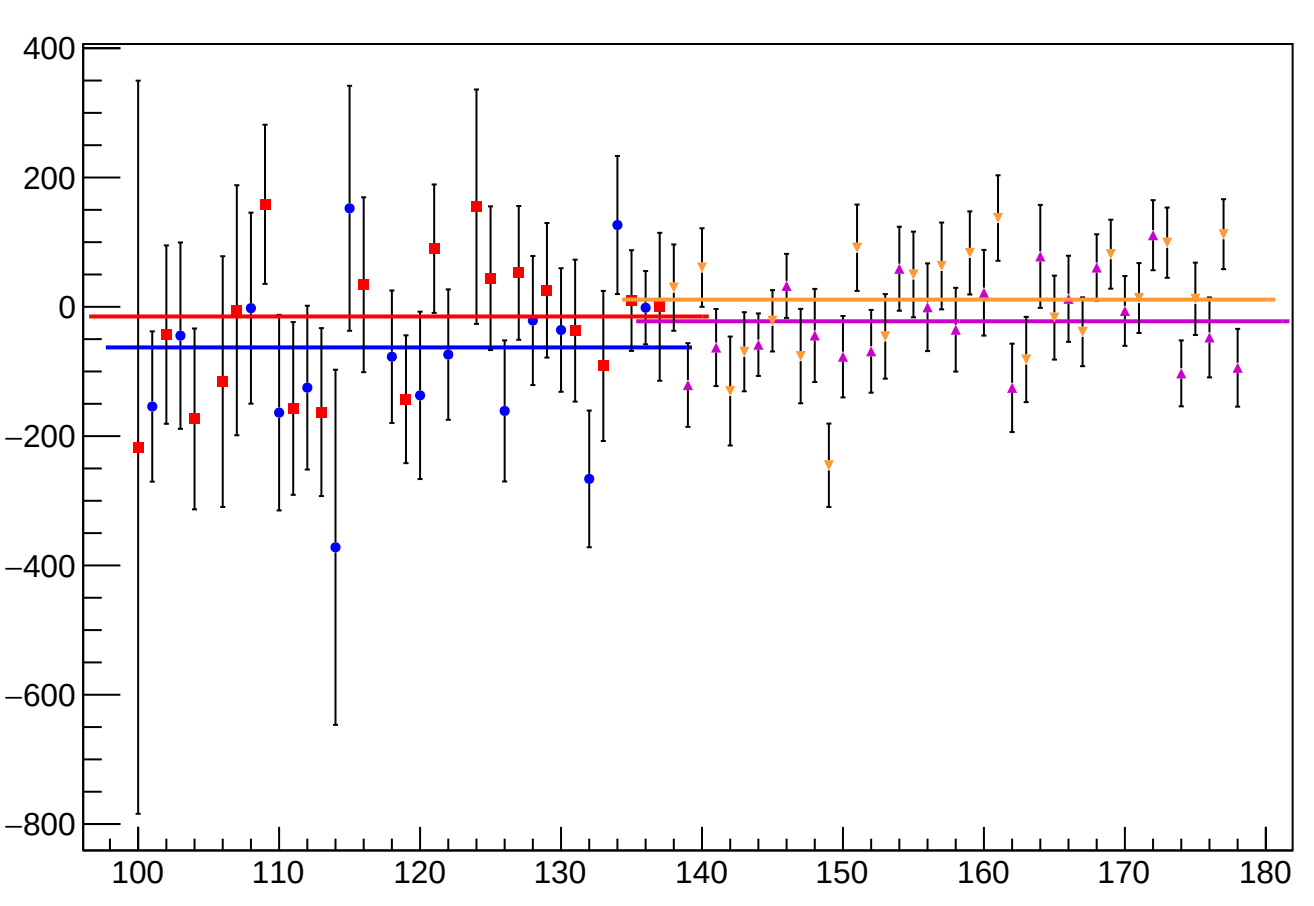
Left: 341.235+/-0.043 χ^2/NDF: 2600703.7/40

Right: 704.257+/-0.138 χ^2/NDF: 3186306.4/34

In: 371.576+/-0.058 χ^2/NDF:5644594.0/35

Out: 375.665+/-0.058 χ^2/NDF:6482339.6/39

All: 373.609+/-0.041 χ^2/NDF: 12129409.9/75



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: -22.353+/-13.428 χ^2/NDF:25.0/19

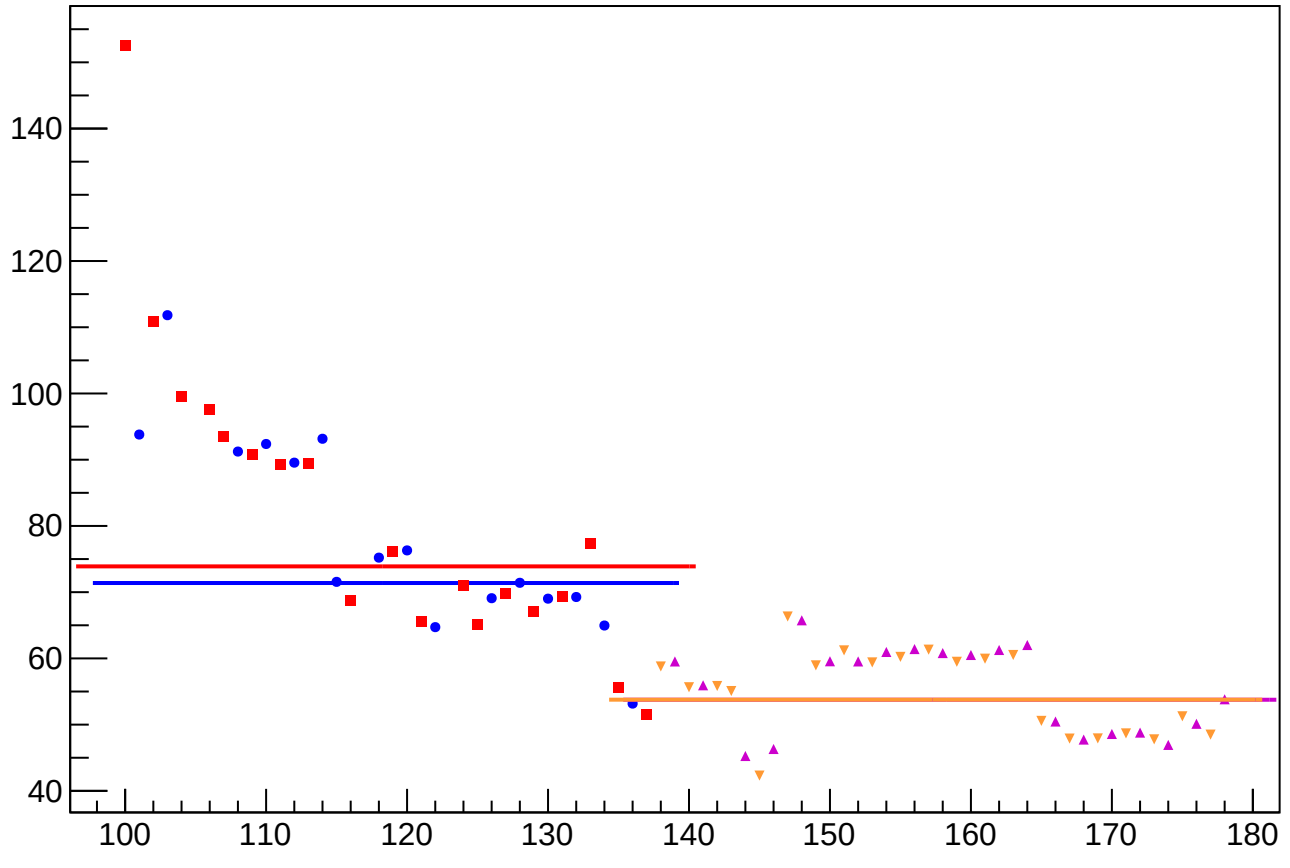
Left: -5.418+/-9.443 χ^2/NDF: 70.1/40

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -30.271+/-12.042 χ^2/NDF:40.3/35

Out: 6.299+/-11.983 χ^2/NDF:54.1/39

All: -11.896+/-8.494 χ^2/NDF: 99.0/75



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: 53.758+/-0.009 χ^2/NDF:464492.0/19

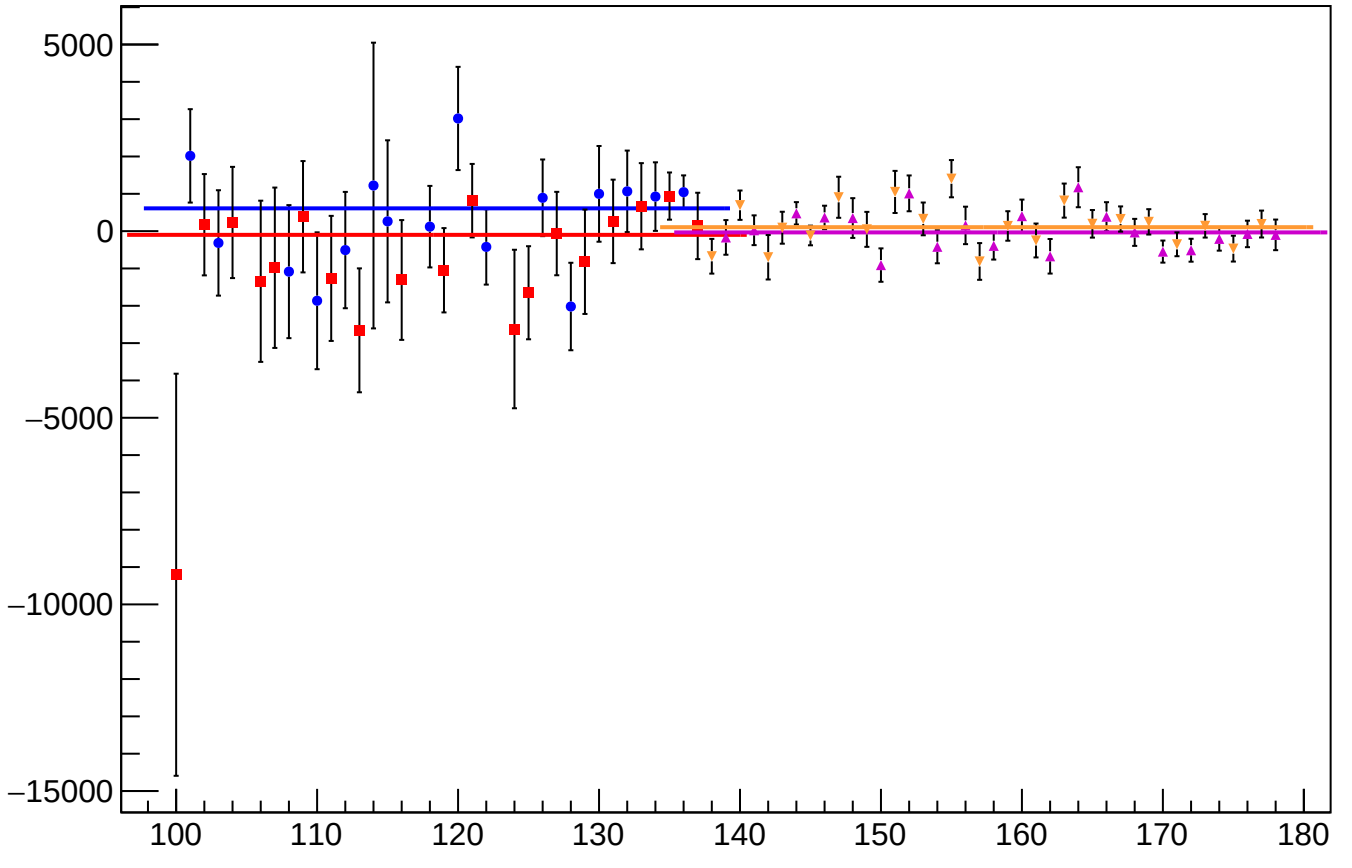
Left: 53.763+/-0.007 χ^2/NDF: 925306.1/40

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 57.209+/-0.009 χ^2/NDF:1730124.7/35

Out: 57.512+/-0.008 χ^2/NDF:1942050.5/39

All: 57.361+/-0.006 χ^2/NDF: 3672813.3/75



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: -33.965+/-86.099 χ^2/NDF:30.5/19

Left: 35.983+/-60.877 χ^2/NDF: 63.5/40

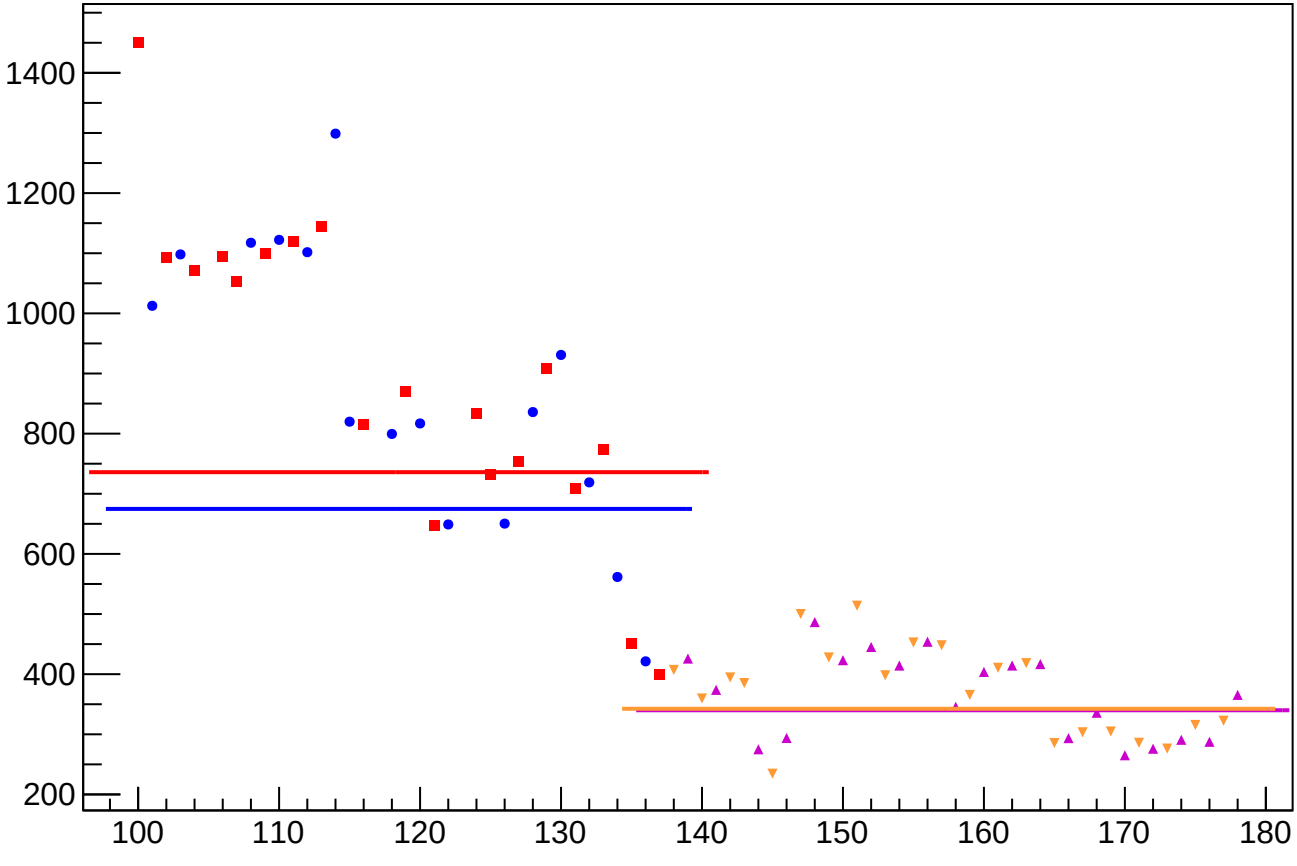
Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 26.824+/-81.938 χ^2/NDF:51.5/35

Out: 88.715+/-82.406 χ^2/NDF:47.2/39

All: 57.593+/-58.104 χ^2/NDF: 99.0/75

asym_sam_15_26_dd_cor_correction_rms vs Slug, Sign Corrected



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: 339.995+/-0.061 χ^2/NDF:1174079.7/19

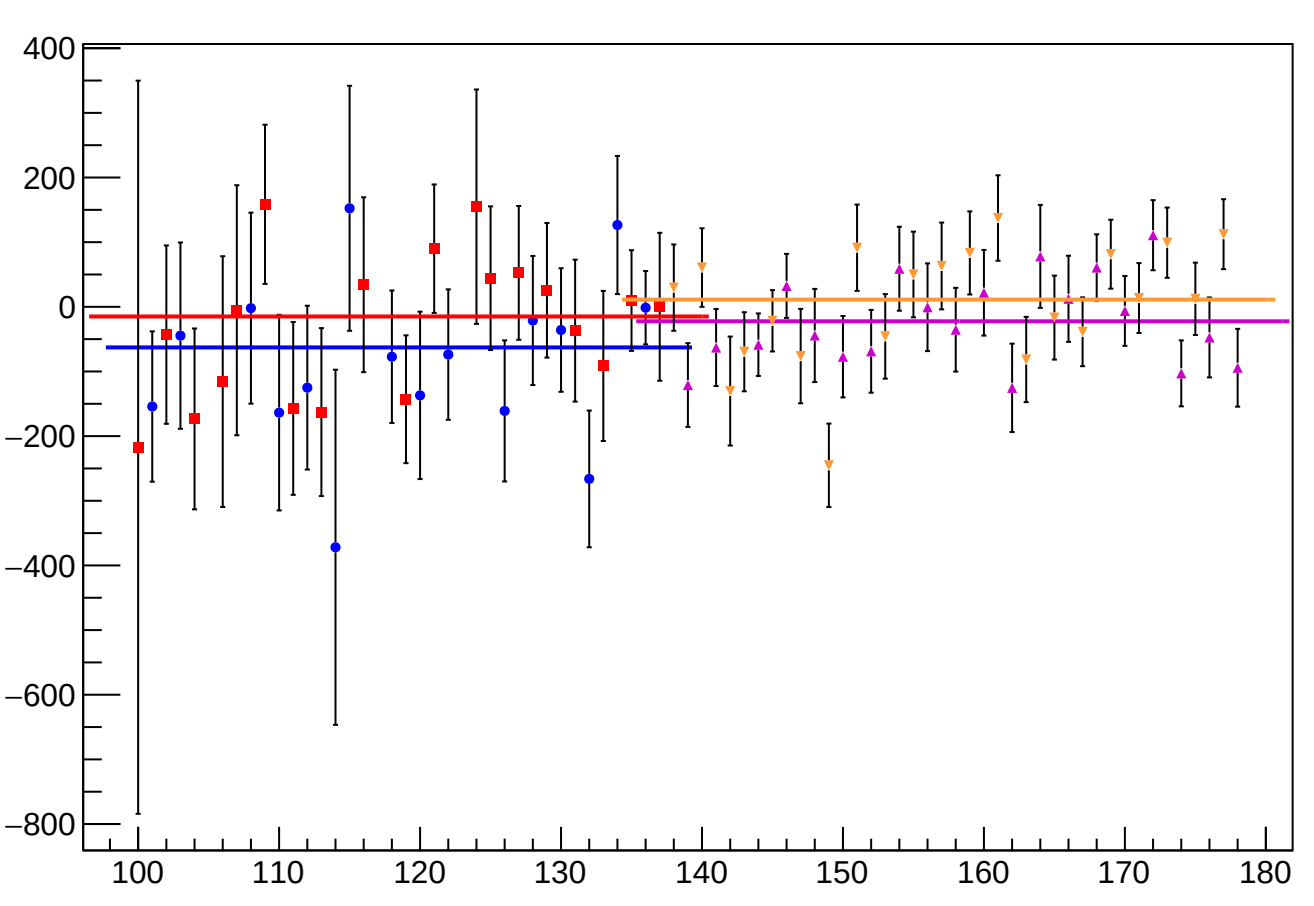
Left: 341.235+/-0.043 χ^2/NDF: 2600715.2/40

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 371.576+/-0.058 χ^2/NDF:5644629.0/35

Out: 375.407+/-0.058 χ^2/NDF:6419495.4/39

All: 373.480+/-0.041 χ^2/NDF: 12066298.5/75



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: -22.353+/-13.428 χ^2/NDF:25.0/19

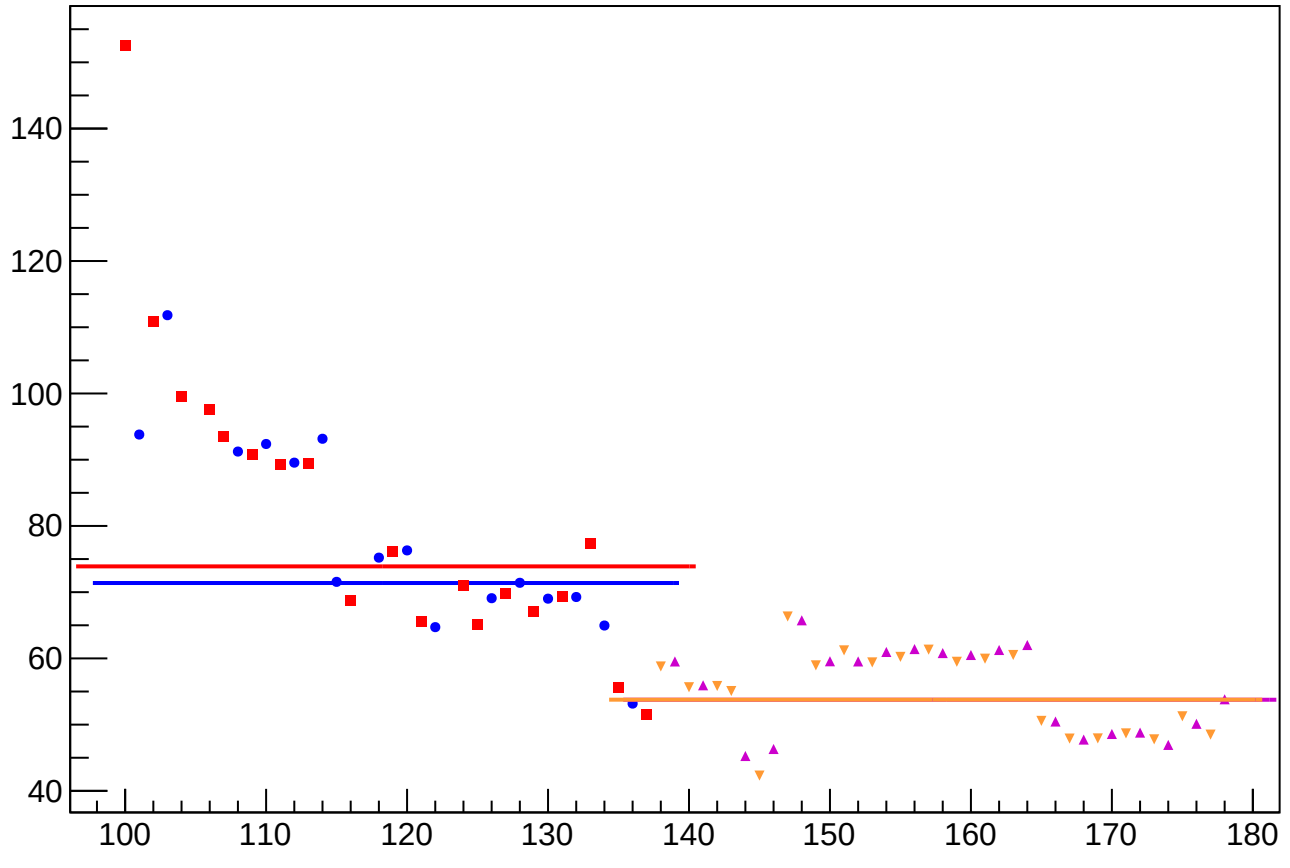
Left: -5.418+/-9.443 χ^2/NDF: 70.1/40

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -30.271+/-12.042 χ^2/NDF:40.3/35

Out: 6.299+/-11.983 χ^2/NDF:54.1/39

All: -11.896+/-8.494 χ^2/NDF: 99.0/75



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: 53.758+/-0.009 χ^2/NDF:464492.0/19

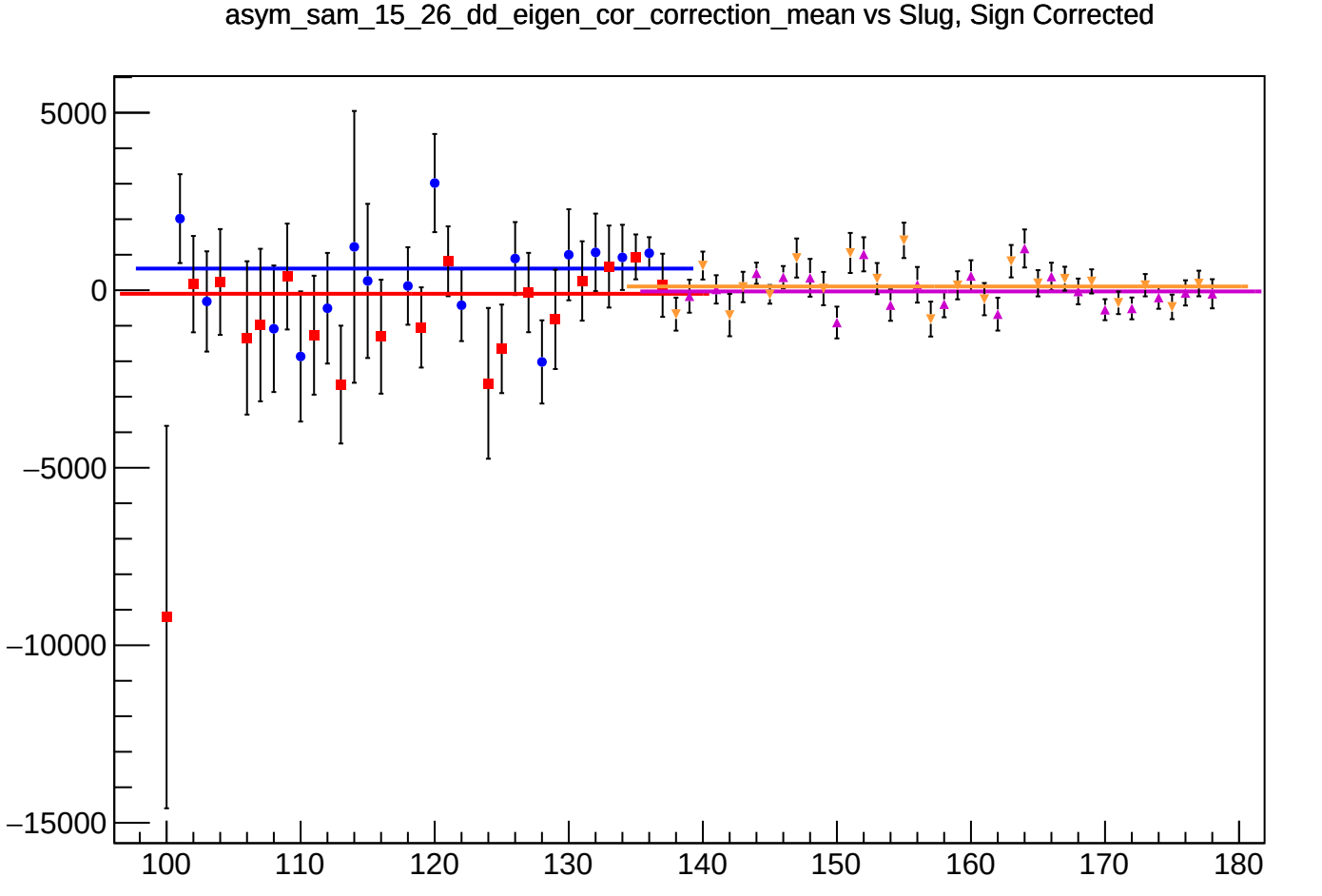
Left: 53.763+/-0.007 χ^2/NDF: 925306.1/40

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 57.209+/-0.009 χ^2/NDF:1730124.7/35

Out: 57.512+/-0.008 χ^2/NDF:1942050.5/39

All: 57.361+/-0.006 χ^2/NDF: 3672813.3/75



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: -33.965+/-86.099 χ^2/NDF:30.5/19

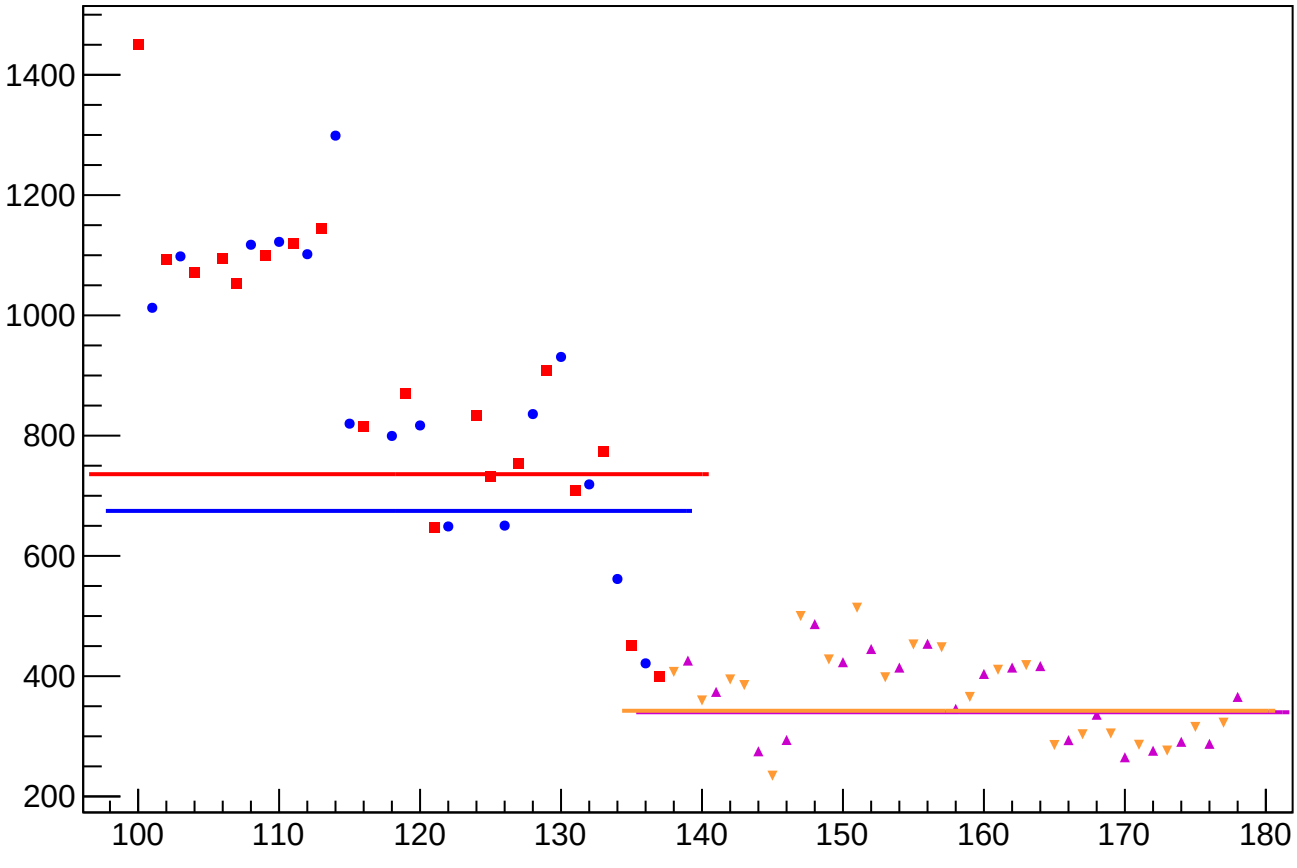
Left: 35.983+/-60.877 χ^2/NDF: 63.5/40

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 26.824+/-81.938 χ^2/NDF:51.5/35

Out: 88.715+/-82.406 χ^2/NDF:47.2/39

All: 57.593+/-58.104 χ^2/NDF: 99.0/75



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: 339.995+/-0.061 χ^2/NDF:1174079.7/19

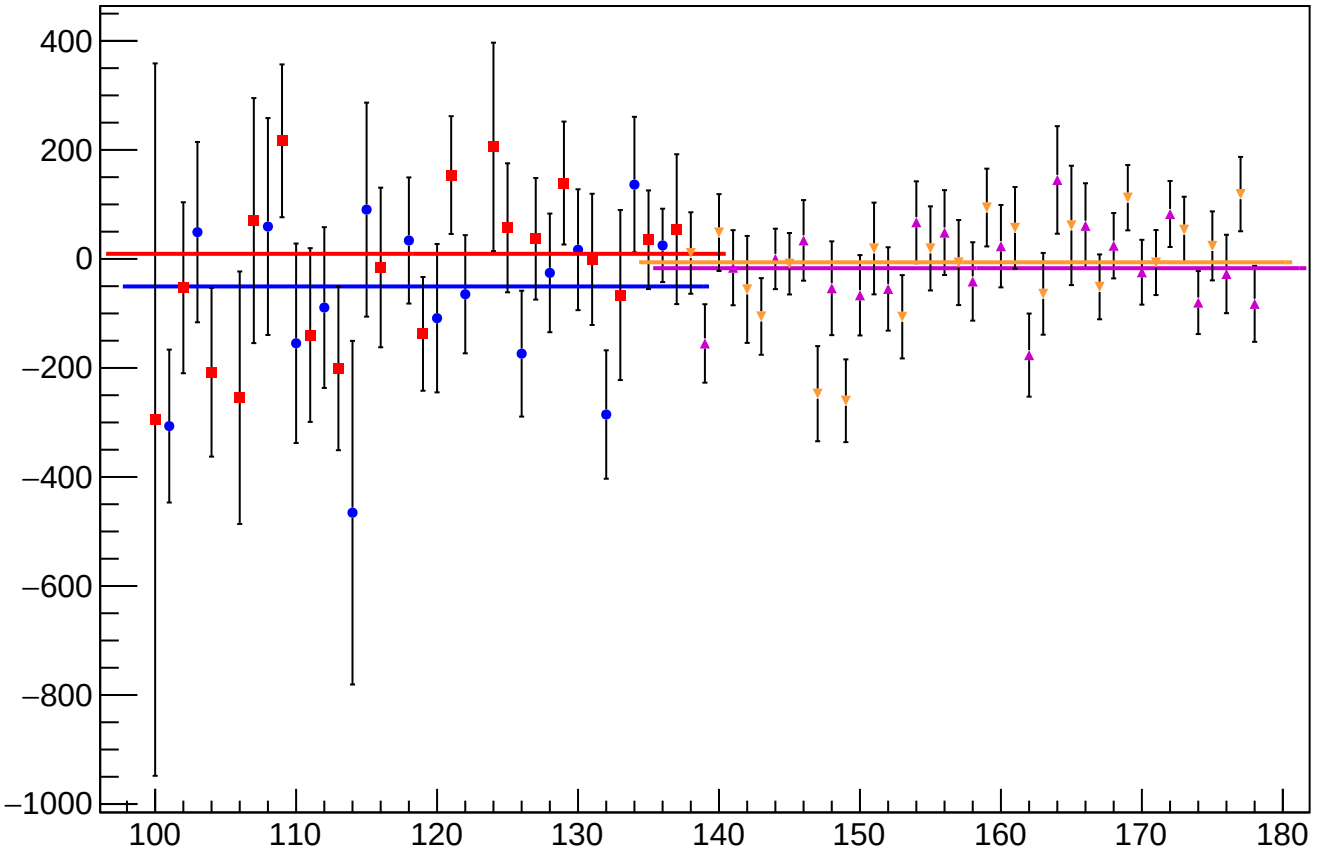
Left: 341.235+/-0.043 χ^2/NDF: 2600715.2/40

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 371.576+/-0.058 χ^2/NDF:5644629.0/35

Out: 375.407+/-0.058 χ^2/NDF:6419495.4/39

All: 373.480+/-0.041 χ^2/NDF: 12066298.5/75



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: -17.004+/-15.649 χ^2/NDF:20.8/19

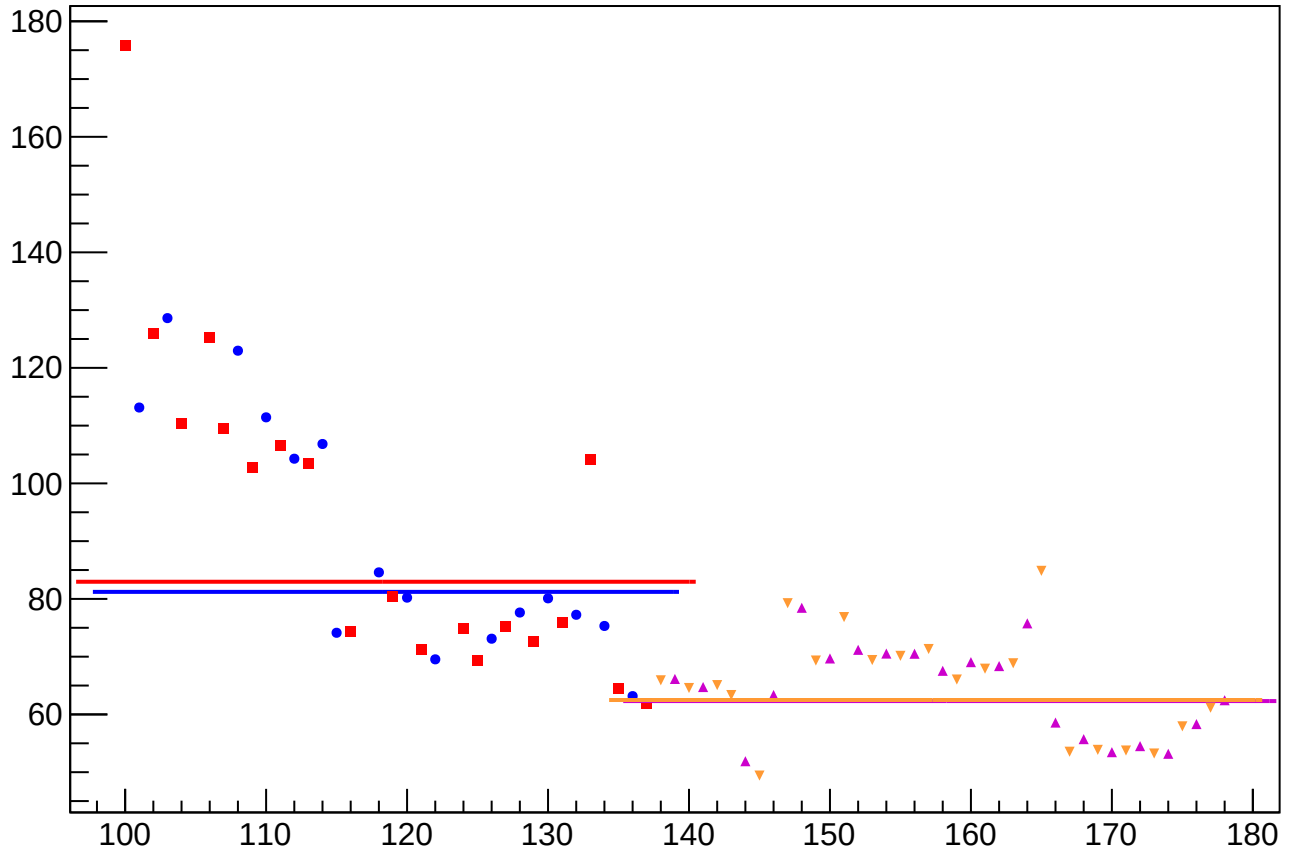
Left: -11.512+/-11.010 χ^2/NDF: 57.4/40

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -23.778+/-13.975 χ^2/NDF:38.2/35

Out: -3.067+/-13.879 χ^2/NDF:52.1/39

All: -13.351+/-9.848 χ^2/NDF: 91.4/75



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: 62.313+/-0.011 χ^2/NDF:481176.9/19

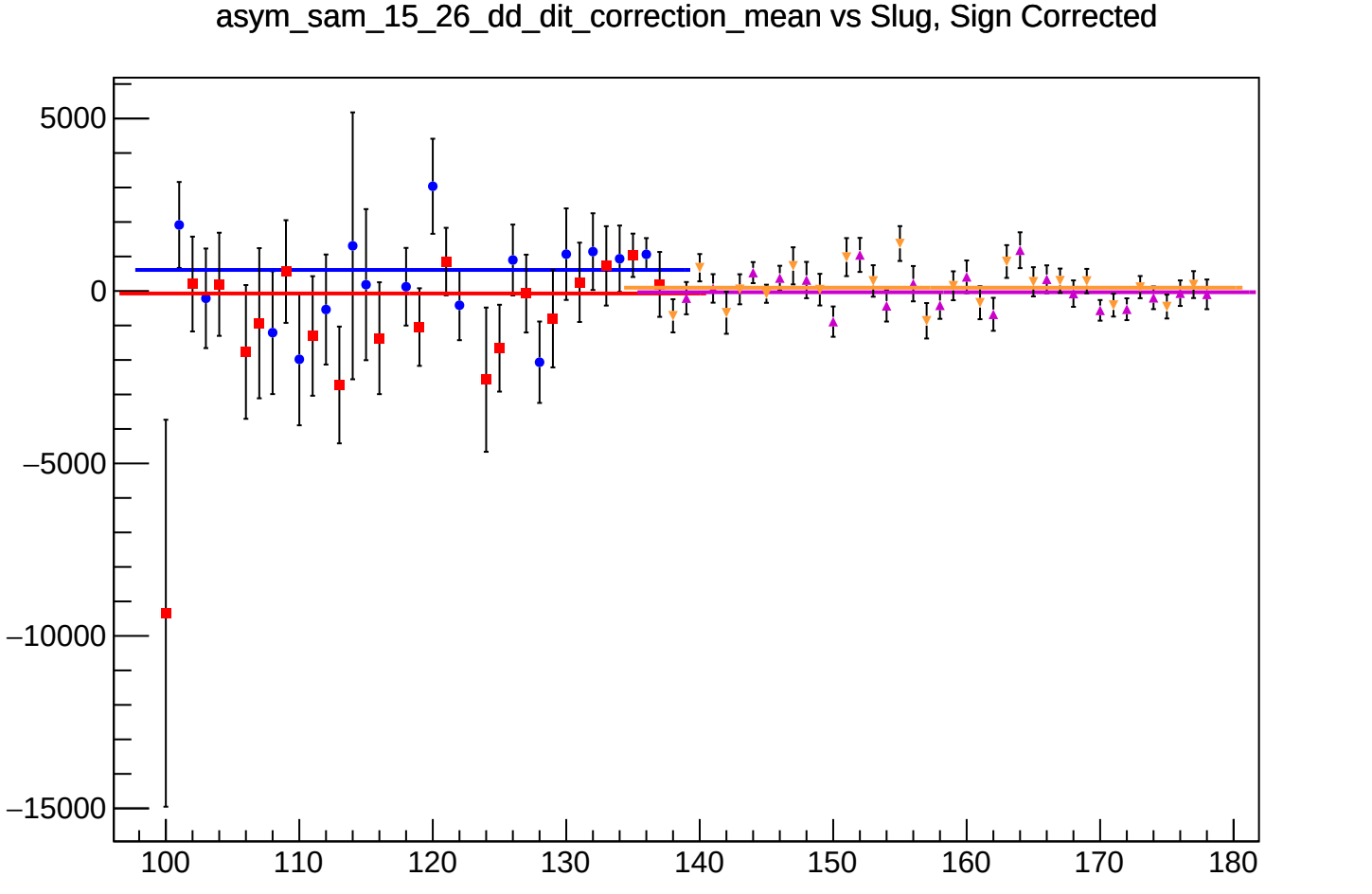
Left: 62.405+/-0.008 χ^2/NDF: 1107485.1/40

Right: 82.090+/-0.016 χ^2/NDF: 1396425.1/34

In: 66.140+/-0.010 χ^2/NDF:1734975.4/35

Out: 66.539+/-0.010 χ^2/NDF:2046241.9/39

All: 66.341+/-0.007 χ^2/NDF: 3782039.5/75



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 95.522+/-88.682 χ^2/NDF:30.1/20

Right Out: -72.311+/-286.830 χ^2/NDF: 16.2/18

Left In: -35.908+/-89.218 χ^2/NDF:30.8/19

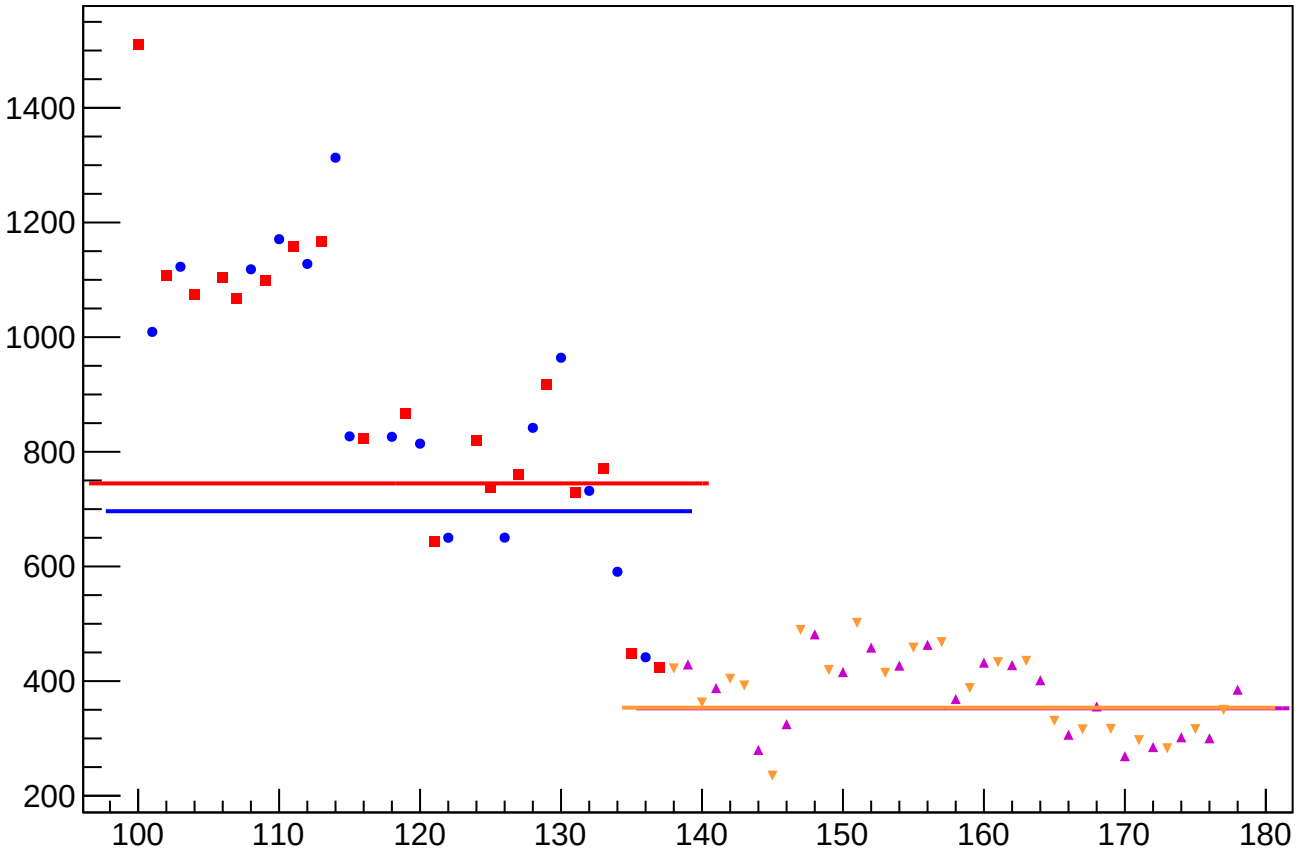
Left: 30.203+/-62.897 χ^2/NDF: 62.0/40

Right: 284.669+/-198.121 χ^2/NDF: 34.9/34

In: 26.054+/-84.834 χ^2/NDF:51.6/35

Out: 80.878+/-84.725 χ^2/NDF:46.6/39

All: 53.501+/-59.948 χ^2/NDF: 98.4/75



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: 352.553+/-0.063 χ^2/NDF:1092949.6/19

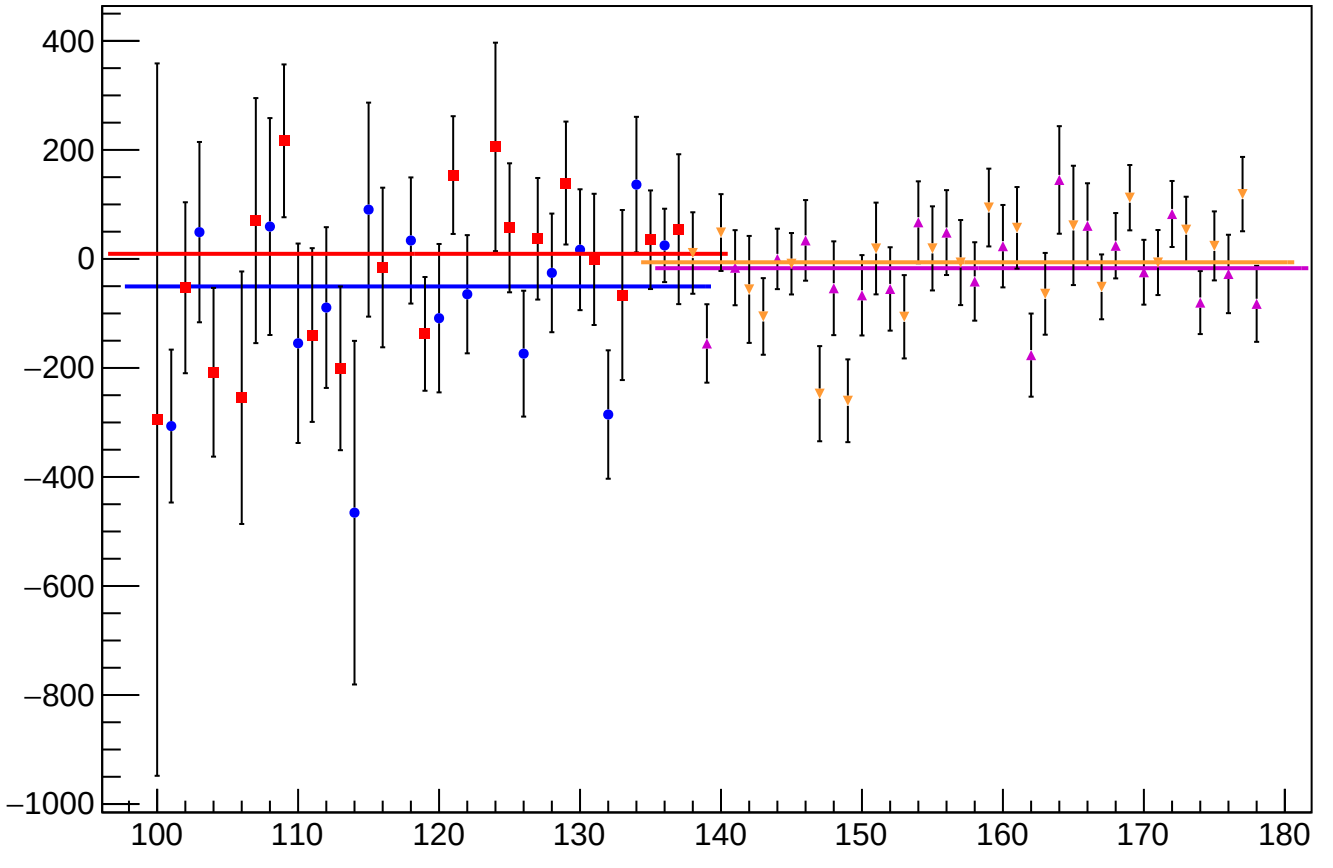
Left: 353.106+/-0.044 χ^2/NDF: 2463883.0/40

Right: 719.512+/-0.140 χ^2/NDF: 3043745.4/34

In: 385.516+/-0.060 χ^2/NDF:5455988.4/35

Out: 387.788+/-0.060 χ^2/NDF:6265219.8/39

All: 386.653+/-0.042 χ^2/NDF: 11721926.4/75



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: -17.004+/-15.649 χ^2/NDF:20.8/19

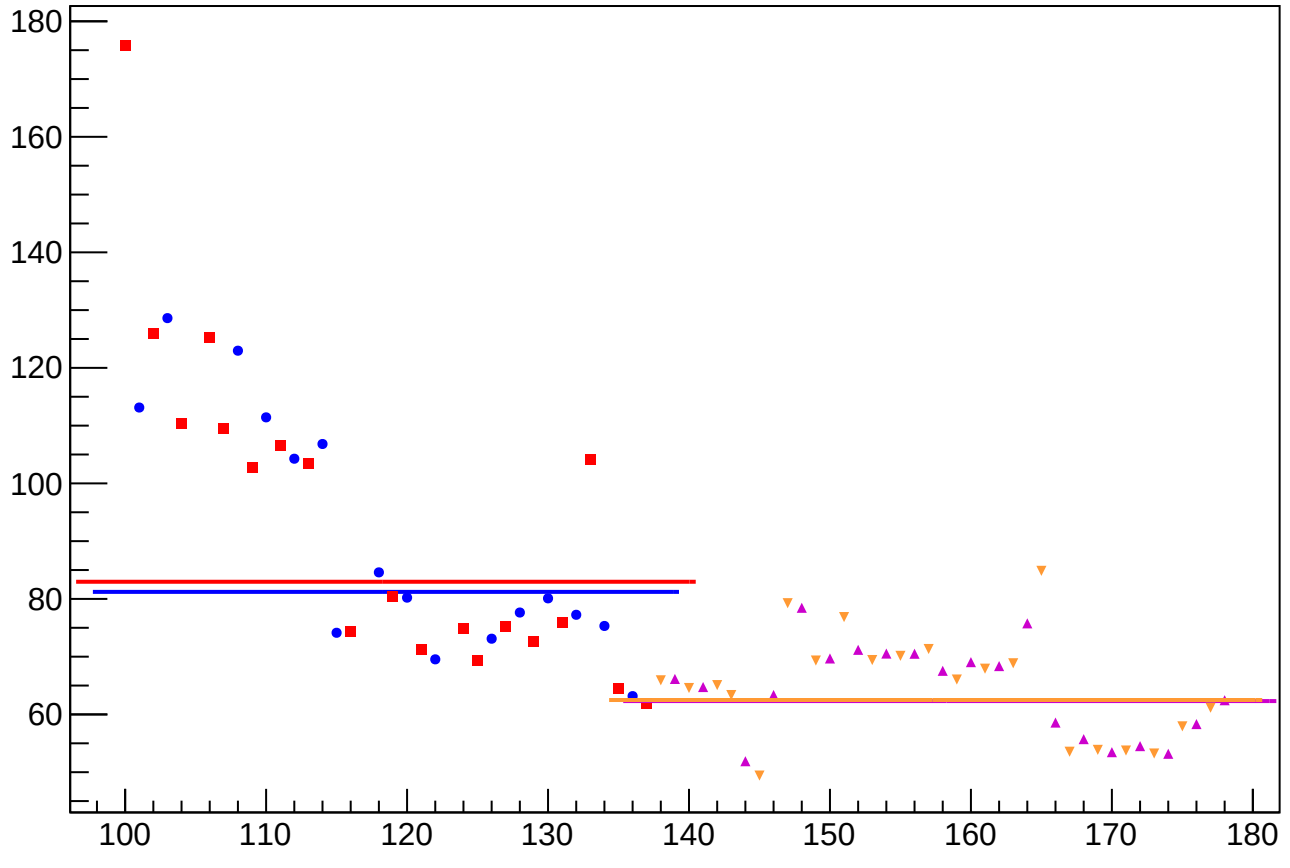
Left: -11.511+/-11.010 χ^2/NDF: 57.4/40

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -23.778+/-13.975 χ^2/NDF:38.2/35

Out: -3.066+/-13.879 χ^2/NDF:52.1/39

All: -13.350+/-9.848 χ^2/NDF: 91.4/75



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: 62.313+/-0.011 χ^2/NDF:481169.5/19

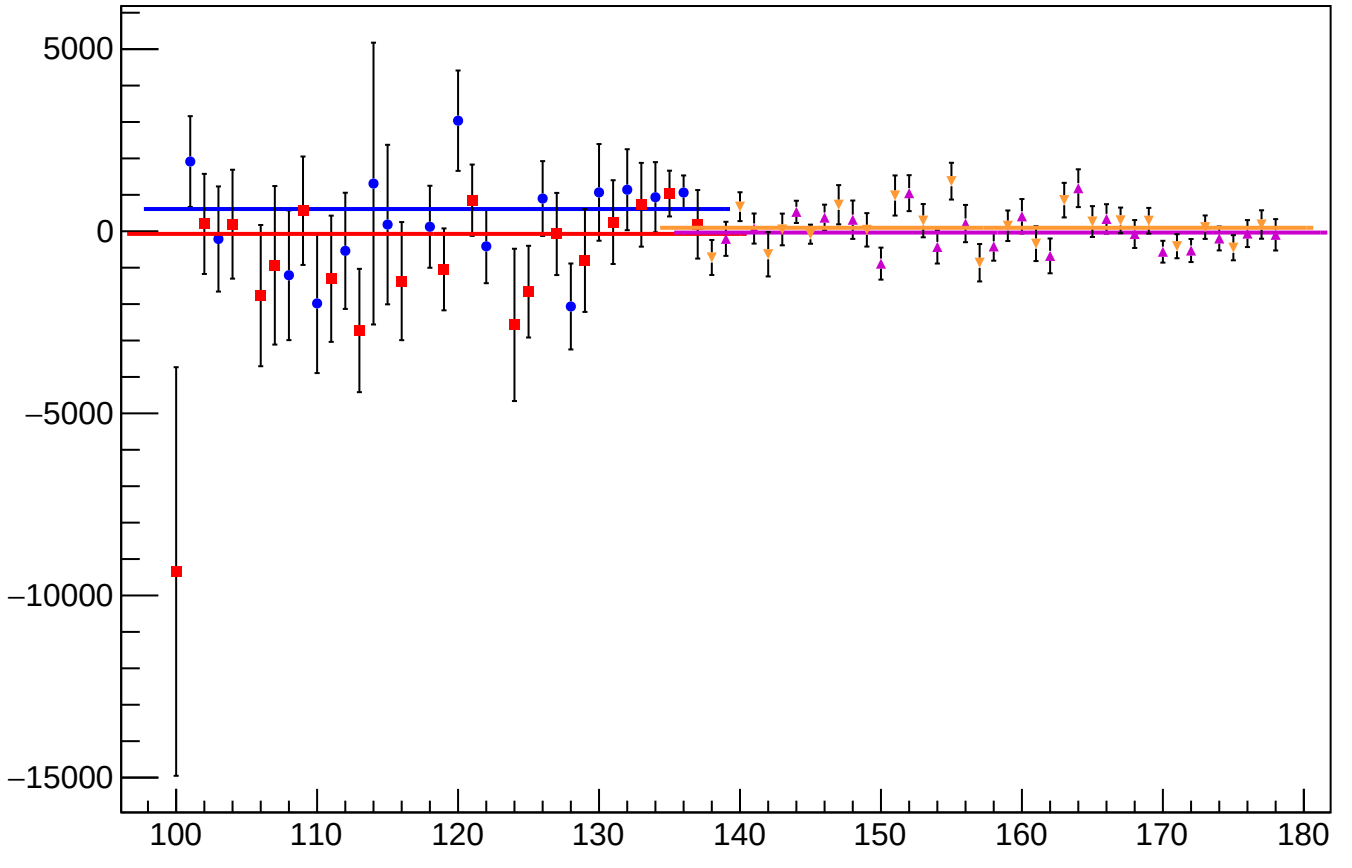
Left: 62.406+/-0.008 χ^2/NDF: 1107475.4/40

Right: 82.089+/-0.016 χ^2/NDF: 1396405.1/34

In: 66.140+/-0.010 χ^2/NDF:1734921.6/35

Out: 66.539+/-0.010 χ^2/NDF:2046208.4/39

All: 66.341+/-0.007 χ^2/NDF: 3781952.1/75



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: -35.908+/-89.219 χ^2/NDF:30.8/19

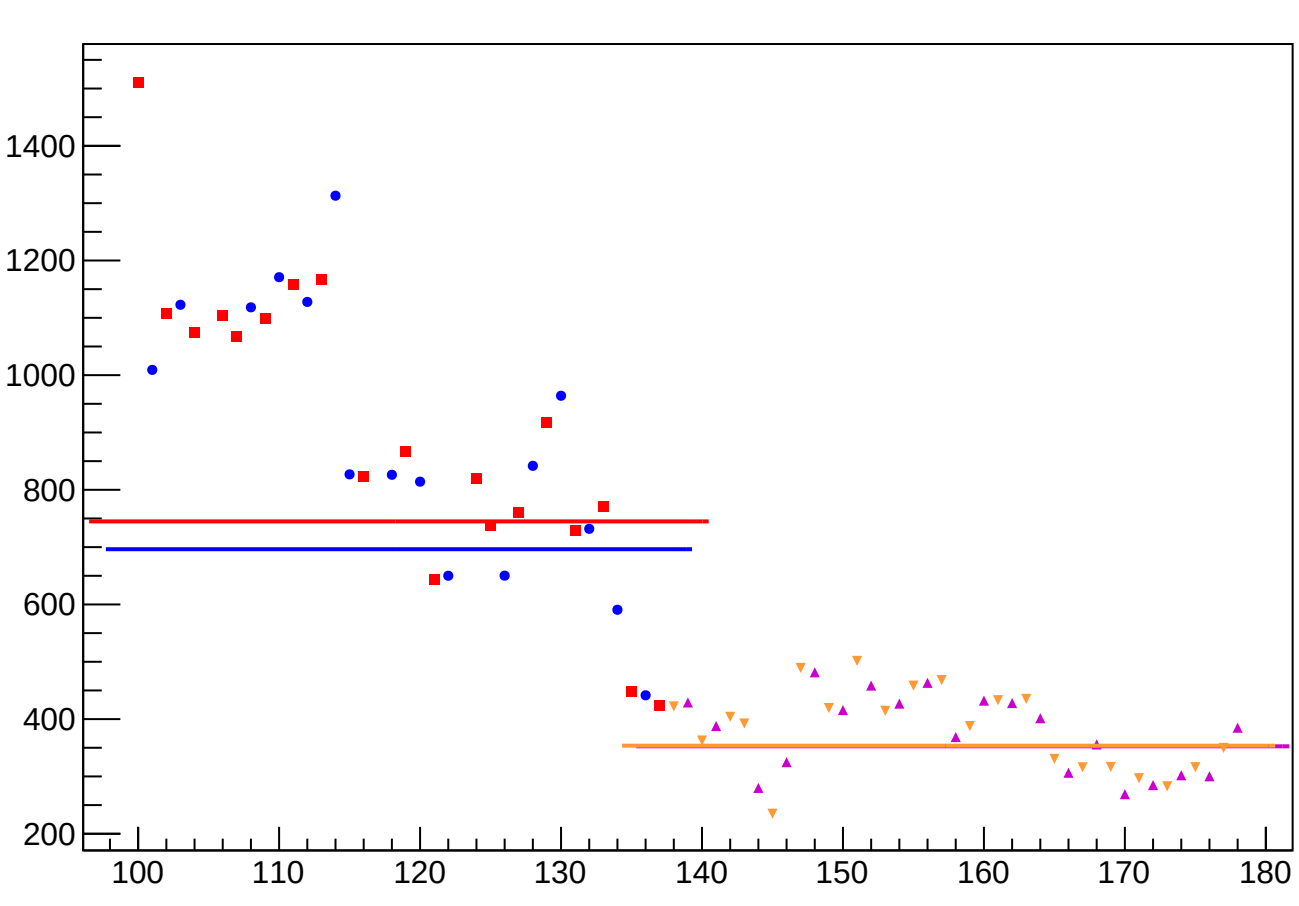
Left: 30.203+/-62.897 χ^2/NDF: 62.0/40

Right: 284.667+/-198.121 χ^2/NDF: 34.9/34

In: 26.054+/-84.834 χ^2/NDF:51.6/35

Out: 80.878+/-84.725 χ^2/NDF:46.6/39

All: 53.501+/-59.948 χ^2/NDF: 98.4/75



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: 352.553+/-0.063 χ^2/NDF:1092955.7/19

Left: 353.107+/-0.044 χ^2/NDF: 2463902.9/40

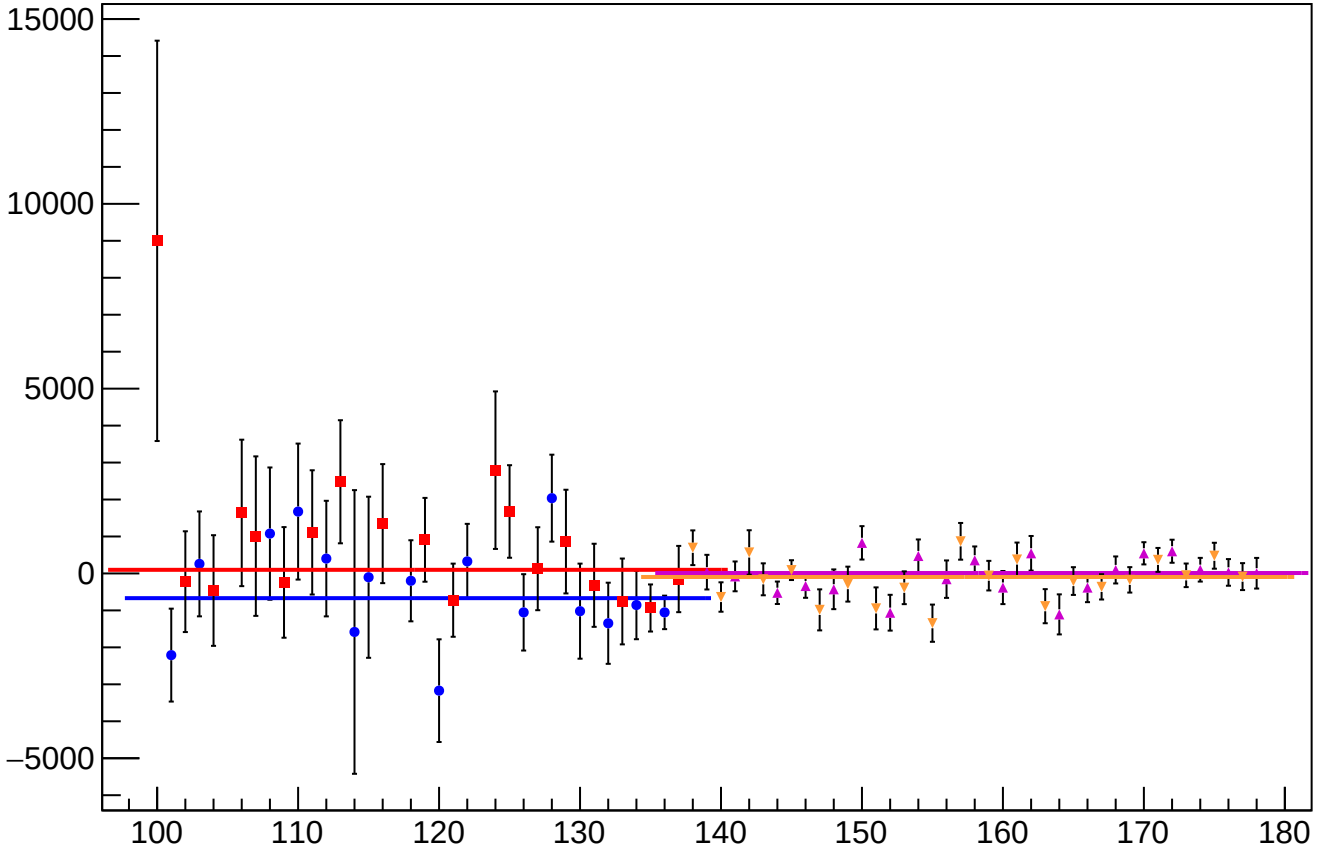
Right: 719.511+/-0.140 χ^2/NDF: 3043716.8/34

In: 385.516+/-0.060 χ^2/NDF:5455966.6/35

Out: 387.788+/-0.060 χ^2/NDF:6265211.6/39

All: 386.654+/-0.042 χ^2/NDF: 11721896.3/75

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: 11.567+/-87.205 χ^2/NDF:29.4/19

Left: -42.072+/-61.649 χ^2/NDF: 61.4/40

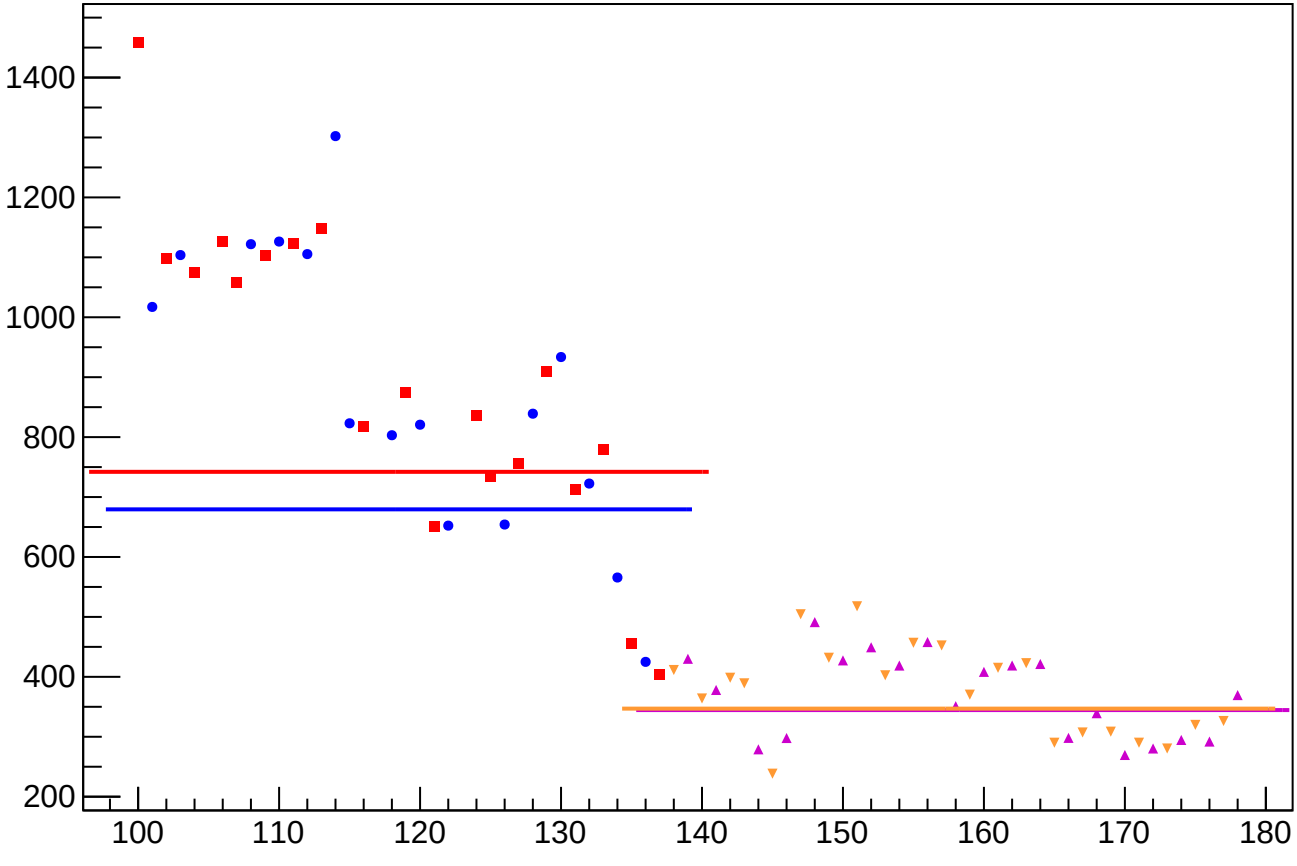
Right: -309.326+/-195.696 χ^2/NDF: 34.8/34

In: -53.345+/-82.938 χ^2/NDF:51.4/35

Out: -79.189+/-83.375 χ^2/NDF:46.5/39

All: -66.199+/-58.800 χ^2/NDF: 97.9/75

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: 344.536+/-0.062 χ^2/NDF:1148998.5/19

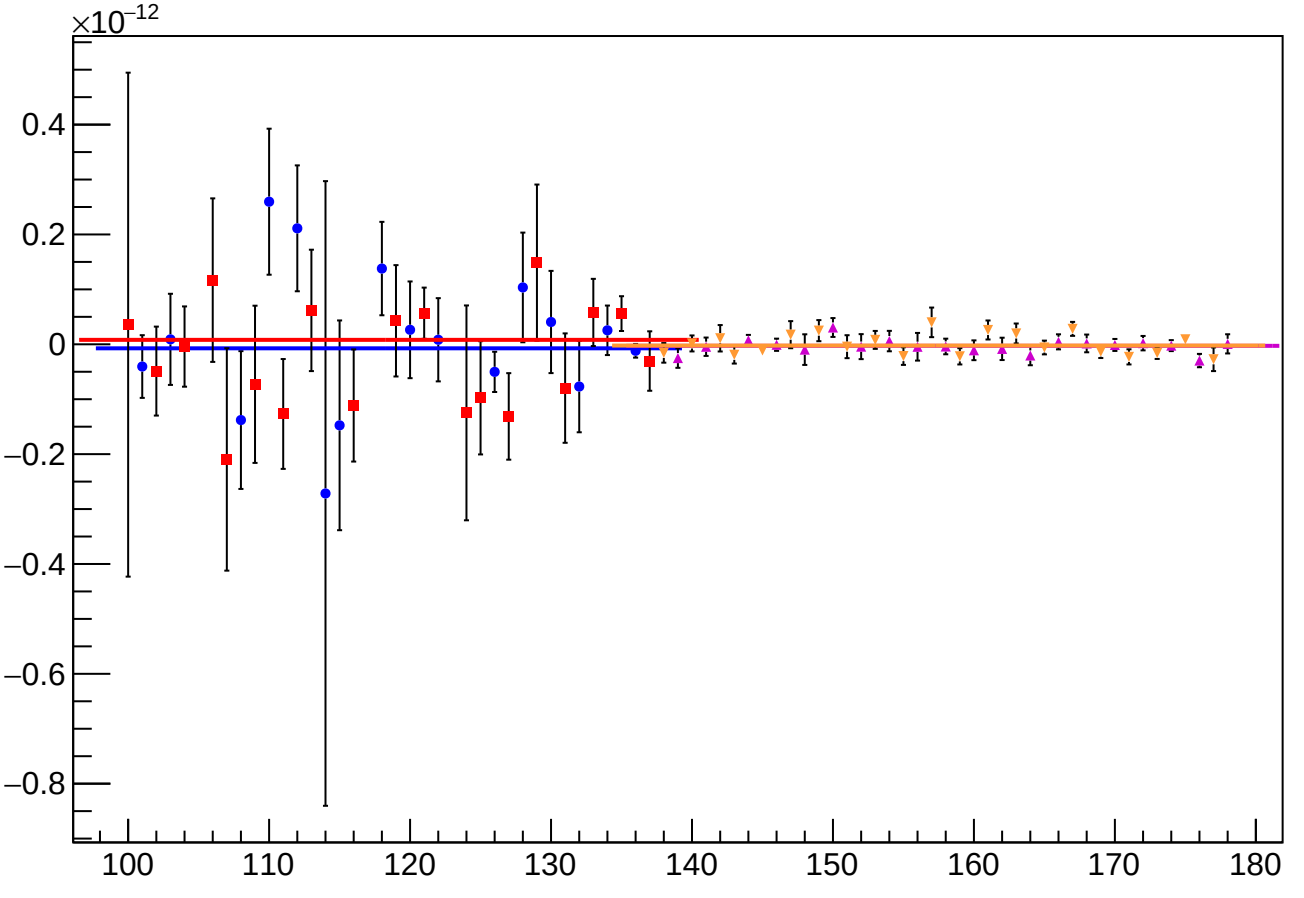
Left: 345.747+/-0.044 χ^2/NDF: 2545893.6/40

Right: 708.808+/-0.138 χ^2/NDF: 3156293.3/34

In: 376.505+/-0.059 χ^2/NDF:5565986.6/35

Out: 380.564+/-0.059 χ^2/NDF:6396095.4/39

All: 378.524+/-0.042 χ^2/NDF: 11964464.0/75



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:13.4/19

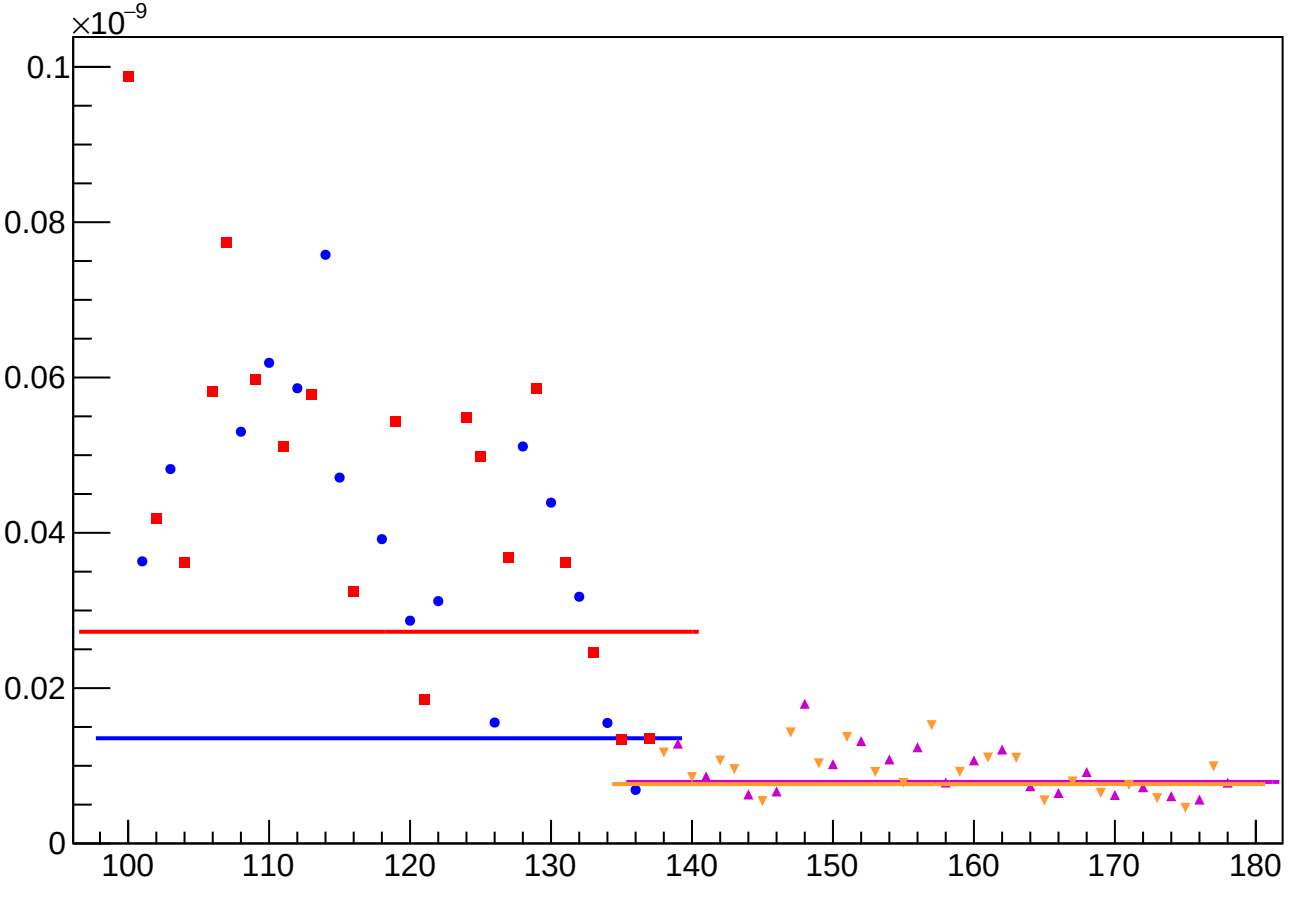
Left: -0.000+/-0.000 χ^2/NDF: 43.2/40

Right: -0.000+/-0.000 χ^2/NDF: 34.8/34

In: -0.000+/-0.000 χ^2/NDF:30.8/35

Out: -0.000+/-0.000 χ^2/NDF:47.2/39

All: -0.000+/-0.000 χ^2/NDF: 78.0/75



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:1107543.4/19

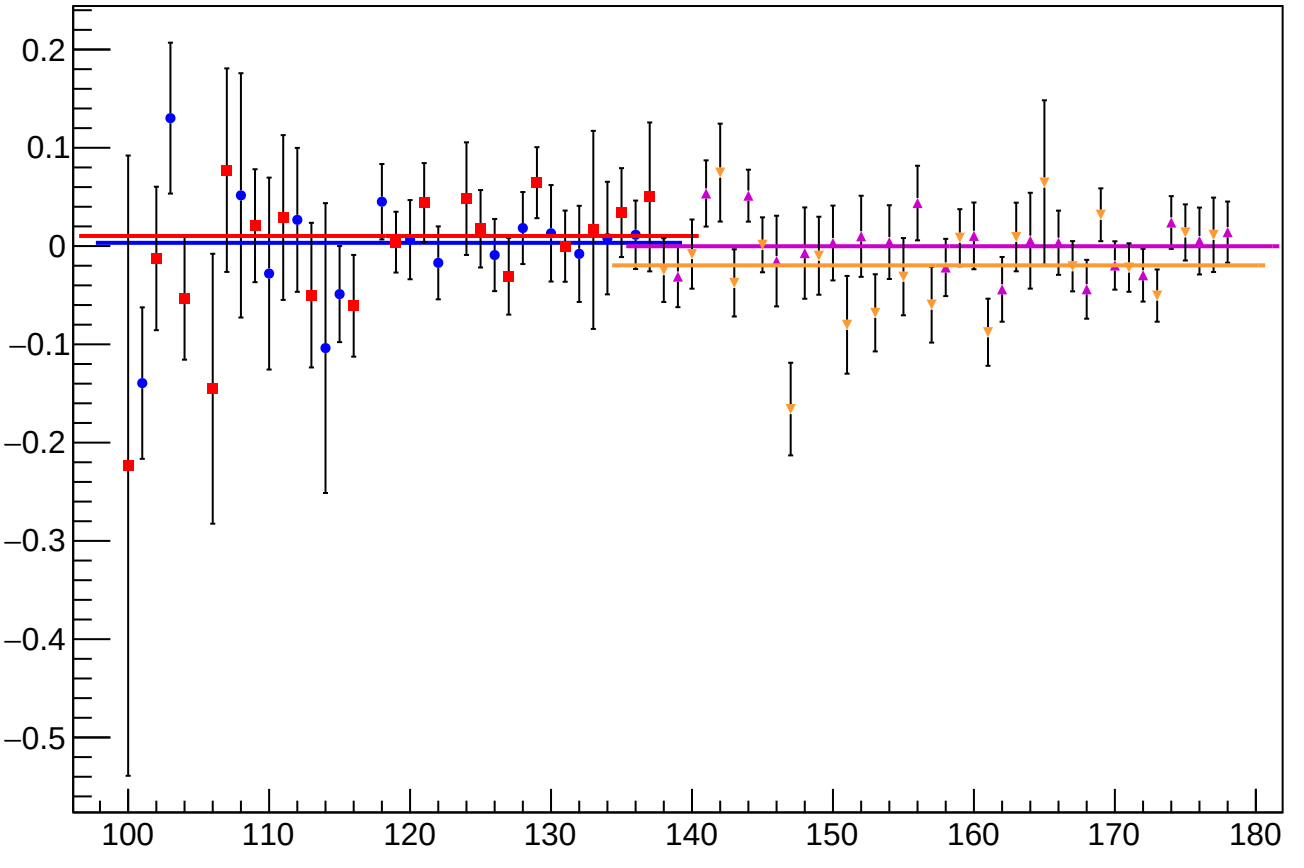
Left: 0.000+/-0.000 χ^2/NDF: 2562989.6/40

Right: 0.000+/-0.000 χ^2/NDF: 5700569.4/34

In: 0.000+/-0.000 χ^2/NDF:4679181.3/35

Out: 0.000+/-0.000 χ^2/NDF:5671254.8/39

All: 0.000+/-0.000 χ^2/NDF: 10353740.6/75



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: -0.000+/-0.007 χ^2/NDF:16.3/19

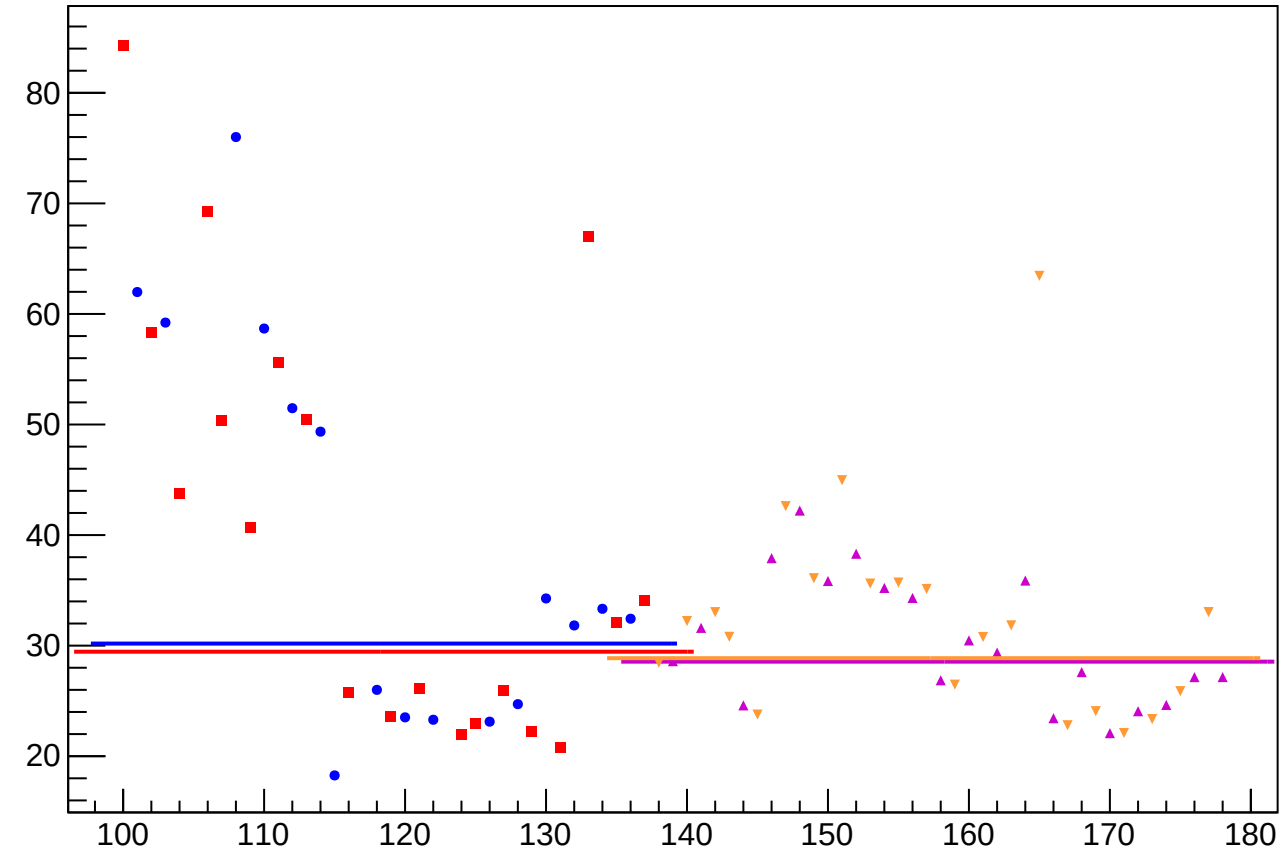
Left: -0.010+/-0.005 χ^2/NDF: 51.9/40

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.001+/-0.006 χ^2/NDF:26.5/35

Out: -0.011+/-0.006 χ^2/NDF:47.9/39

All: -0.005+/-0.004 χ^2/NDF: 76.3/75



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: 28.550+/-0.005 χ^2/NDF:965676.2/19

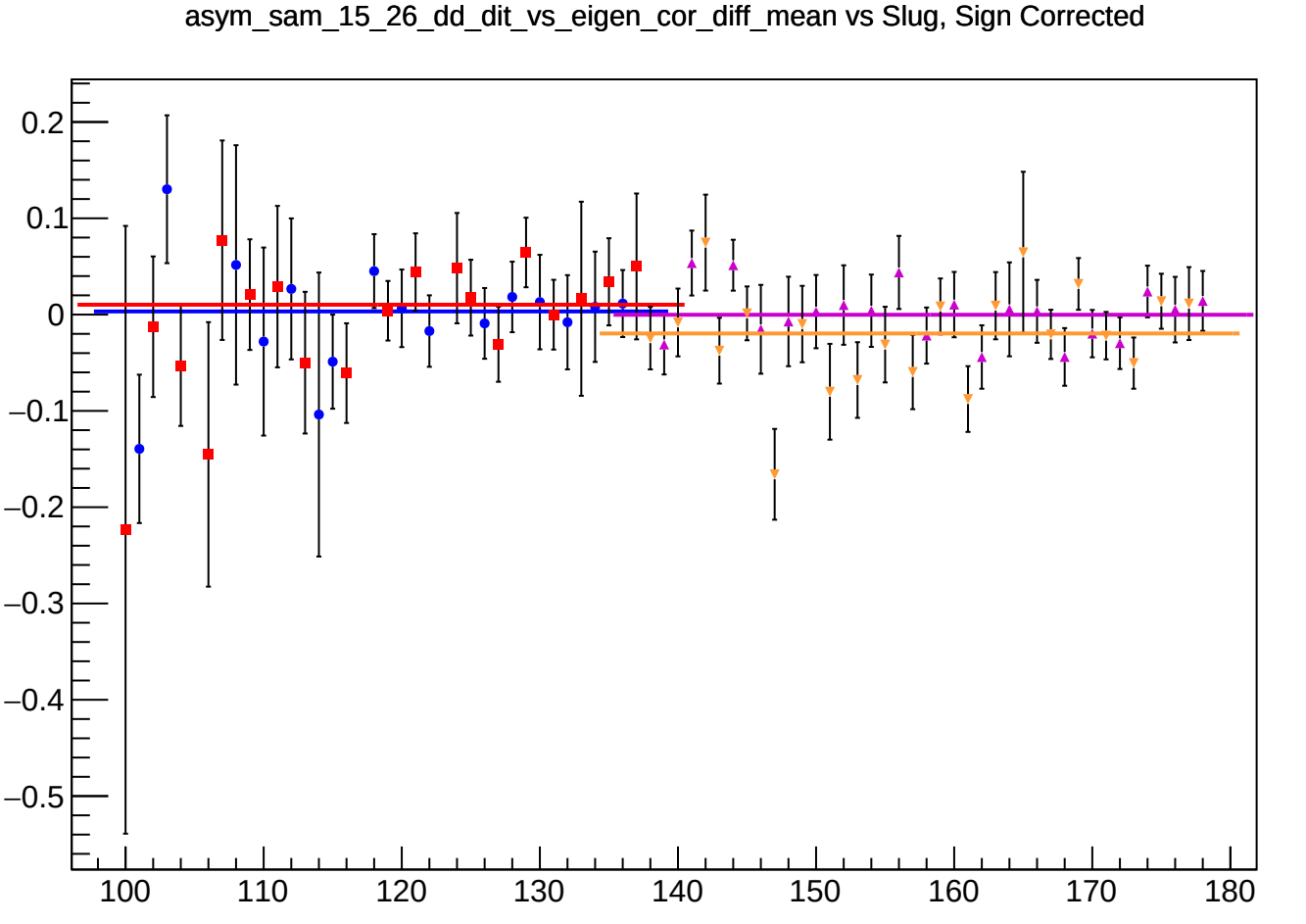
Left: 28.707+/-0.004 χ^2/NDF: 2525780.3/40

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 28.978+/-0.004 χ^2/NDF:2679272.5/35

Out: 29.028+/-0.004 χ^2/NDF:3410449.9/39

All: 29.003+/-0.003 χ^2/NDF: 6089785.1/75



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: -0.000+/-0.007 χ^2/NDF:16.3/19

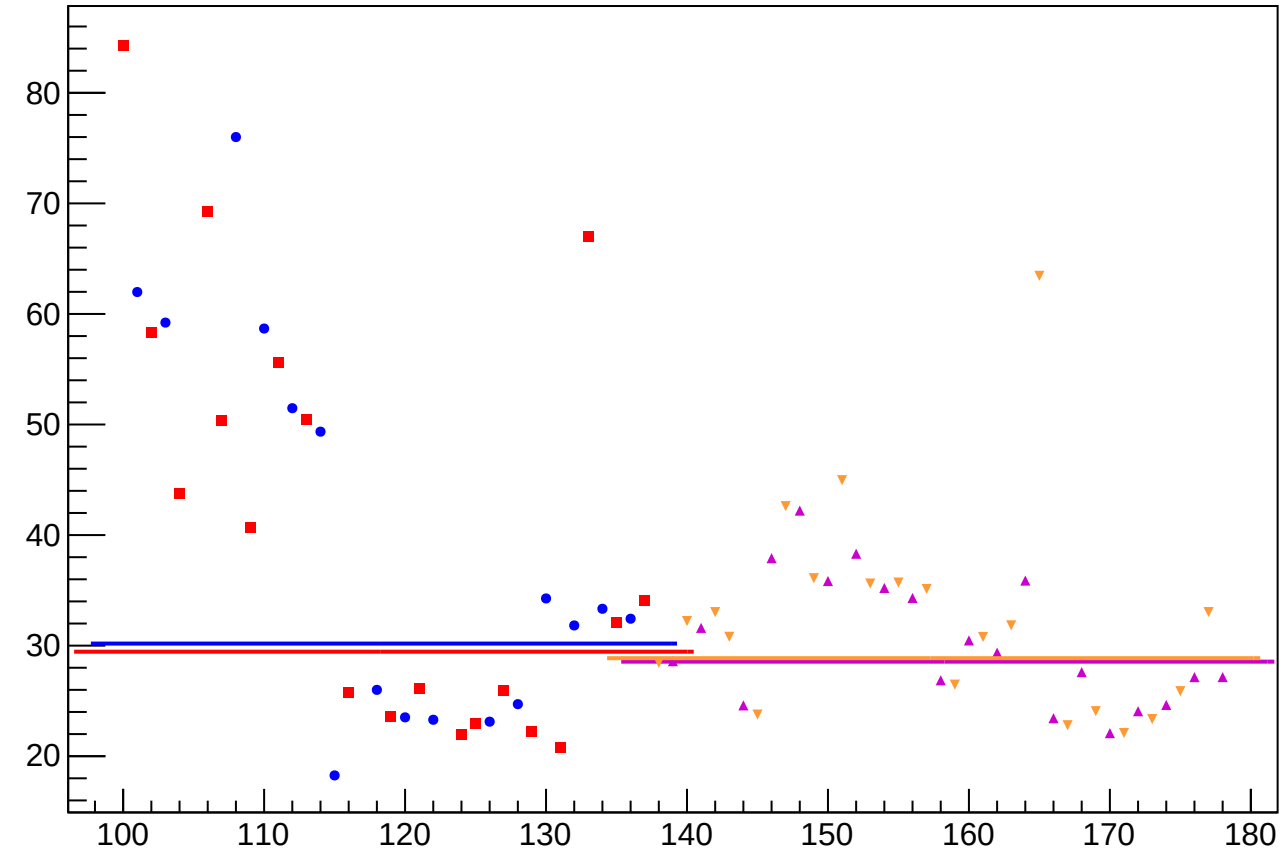
Left: -0.010+/-0.005 χ^2/NDF: 51.9/40

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.001+/-0.006 χ^2/NDF:26.5/35

Out: -0.011+/-0.006 χ^2/NDF:47.9/39

All: -0.005+/-0.004 χ^2/NDF: 76.3/75



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: 28.550+/-0.005 χ^2/NDF:965676.2/19

Left: 28.707+/-0.004 χ^2/NDF: 2525780.3/40

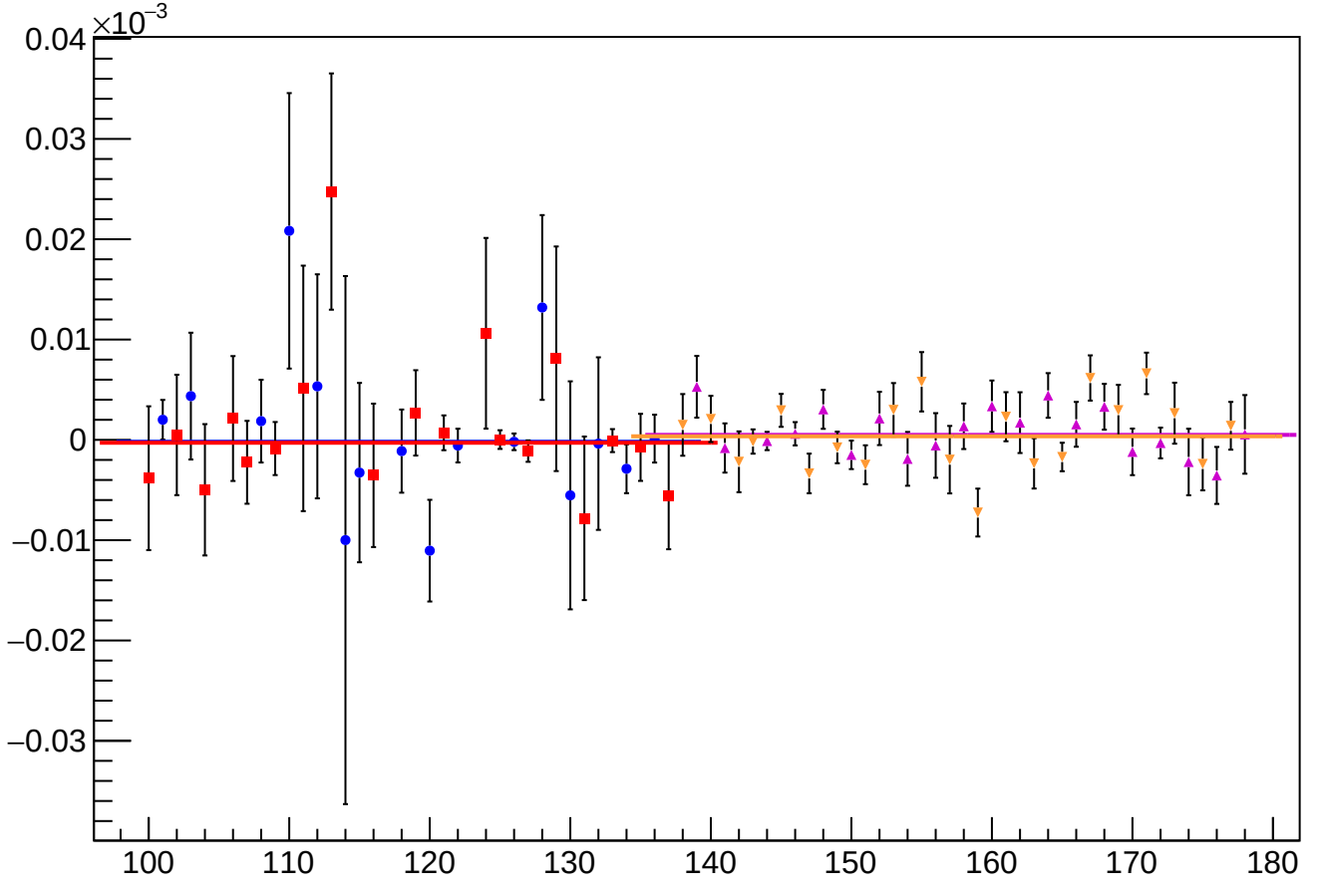
Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 28.978+/-0.004 χ^2/NDF:2679272.5/35

Out: 29.028+/-0.004 χ^2/NDF:3410449.9/39

All: 29.003+/-0.003 χ^2/NDF: 6089785.1/75

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:47.9/20

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:18.0/19

Left: 0.000+/-0.000 χ^2/NDF: 65.9/40

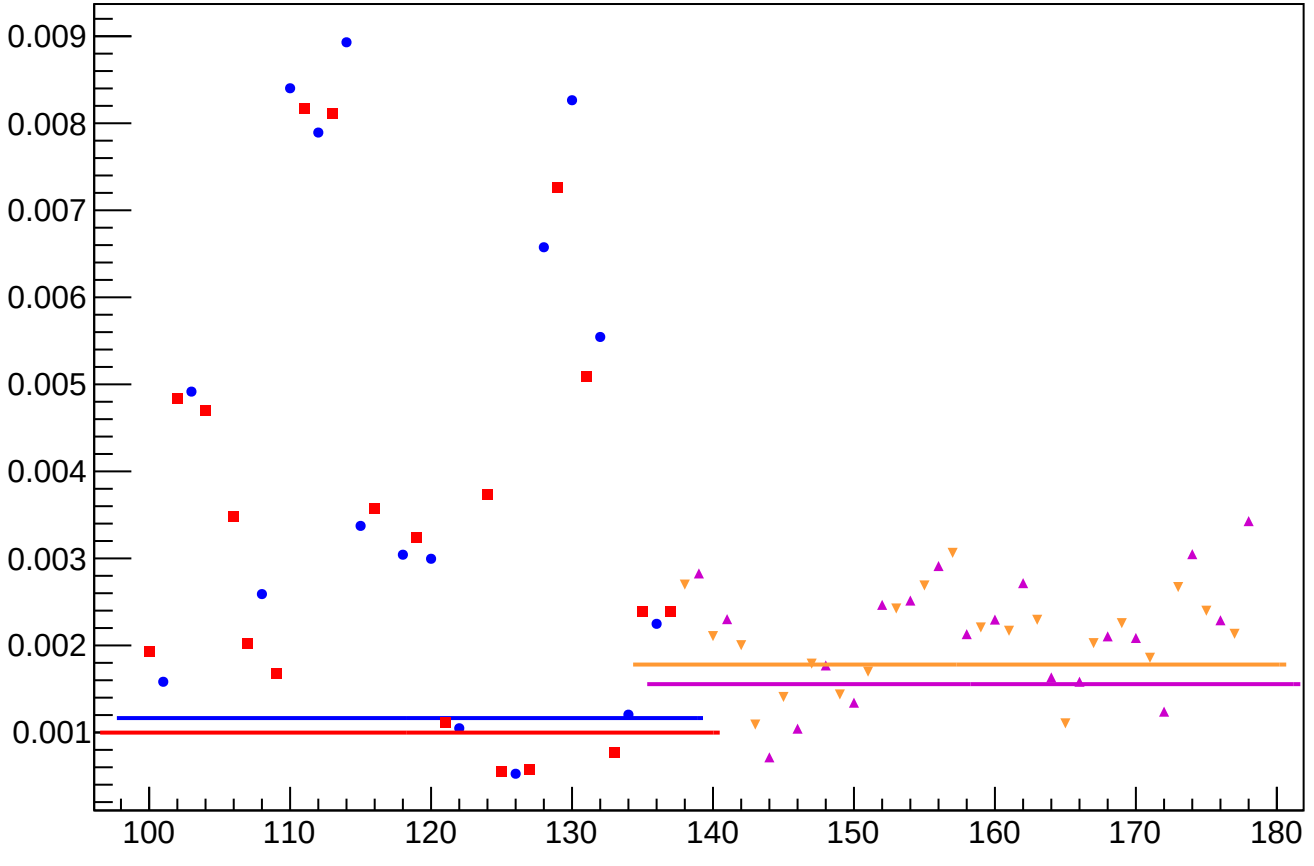
Right: -0.000+/-0.000 χ^2/NDF: 24.6/34

In: 0.000+/-0.000 χ^2/NDF:32.0/35

Out: 0.000+/-0.000 χ^2/NDF:60.1/39

All: 0.000+/-0.000 χ^2/NDF: 92.3/75

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 6881775.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2749058.9/20

Right Out: 0.001+/-0.000 χ^2/NDF: 6937197.5/18

Left In: 0.002+/-0.000 χ^2/NDF:5431037.8/19

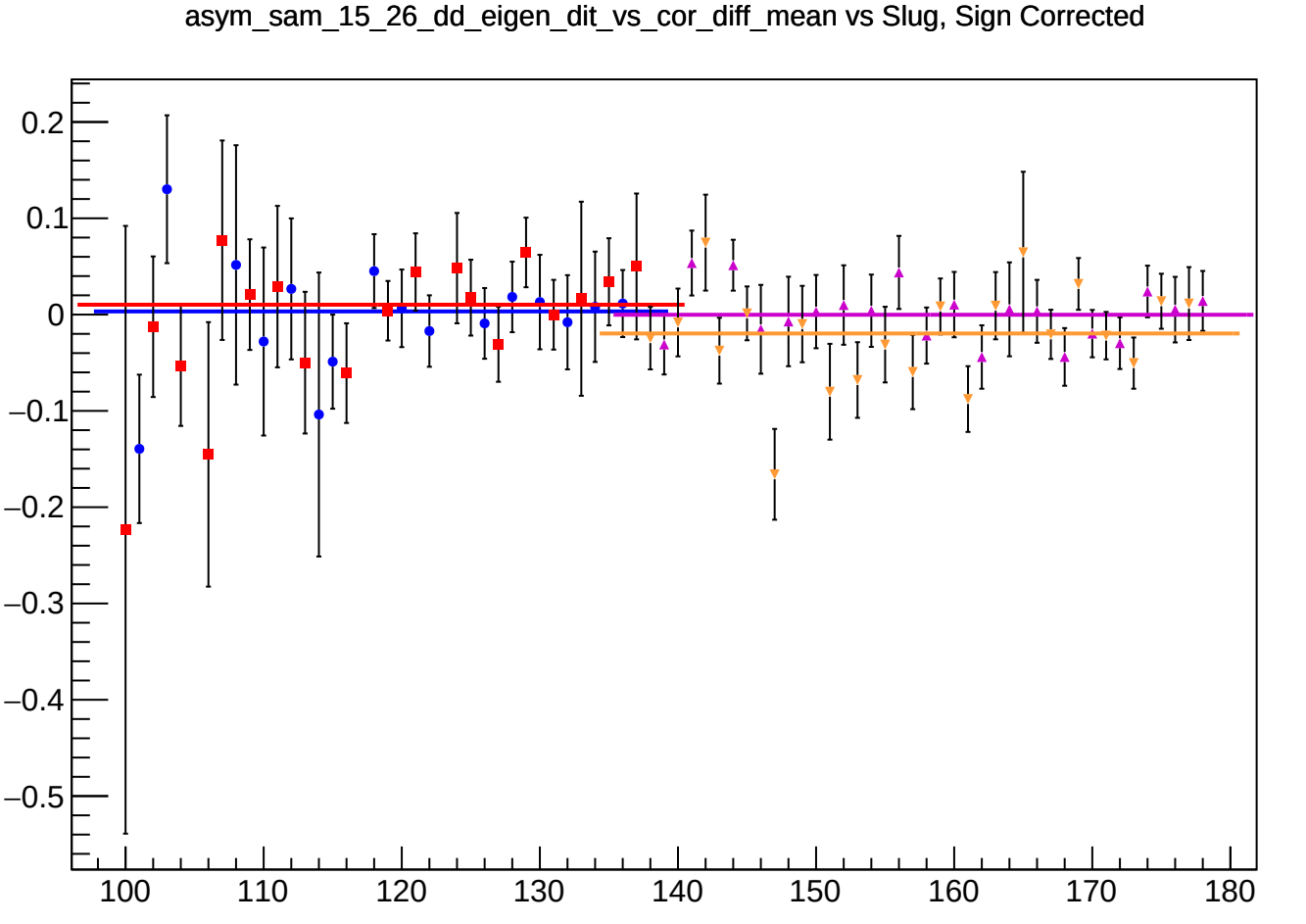
Left: 0.002+/-0.000 χ^2/NDF: 8433626.2/40

Right: 0.001+/-0.000 χ^2/NDF: 13904727.1/34

In: 0.001+/-0.000 χ^2/NDF:12849895.7/35

Out: 0.001+/-0.000 χ^2/NDF:12213989.3/39

All: 0.001+/-0.000 χ^2/NDF: 25065476.9/75



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: -0.000+/-0.007 χ^2/NDF:16.3/19

Left: -0.010+/-0.005 χ^2/NDF: 51.9/40

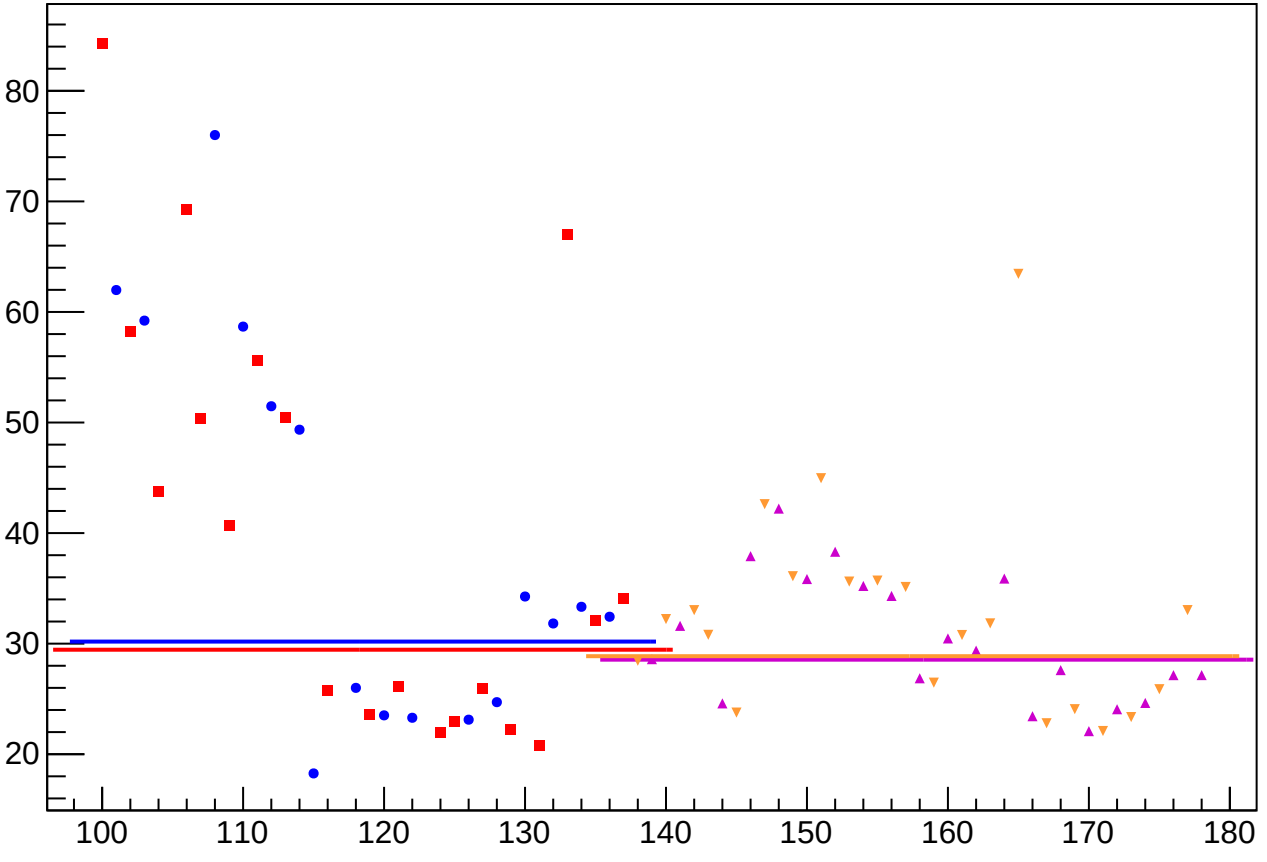
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.001+/-0.006 χ^2/NDF:26.5/35

Out: -0.011+/-0.006 χ^2/NDF:47.9/39

All: -0.005+/-0.004 χ^2/NDF: 76.3/75

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: 28.551+/-0.005 χ^2/NDF:965638.7/19

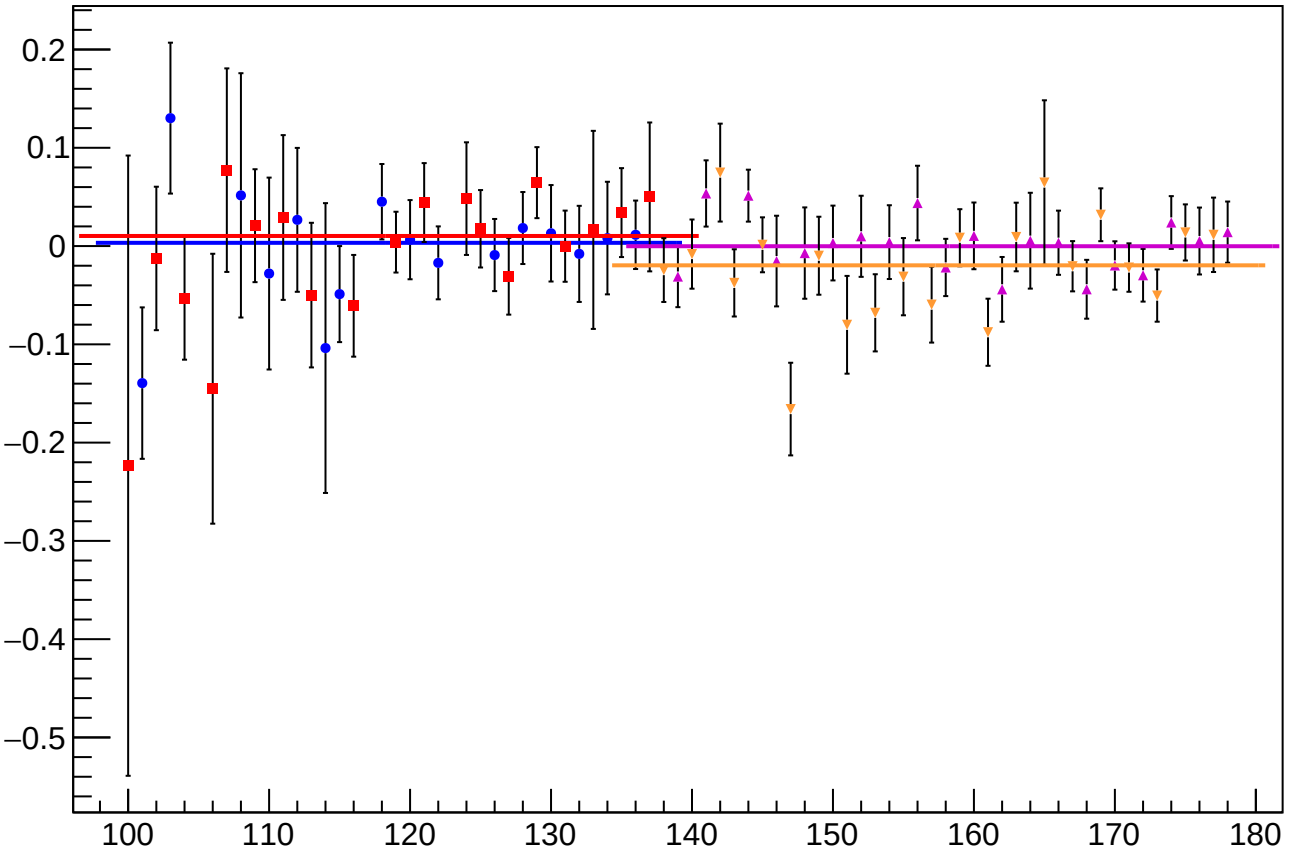
Left: 28.708+/-0.004 χ^2/NDF: 2525713.3/40

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 28.978+/-0.004 χ^2/NDF:2679043.0/35

Out: 29.028+/-0.004 χ^2/NDF:3410410.0/39

All: 29.003+/-0.003 χ^2/NDF: 6089515.0/75



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: -0.000+/-0.007 χ^2/NDF:16.3/19

Left: -0.010+/-0.005 χ^2/NDF: 51.9/40

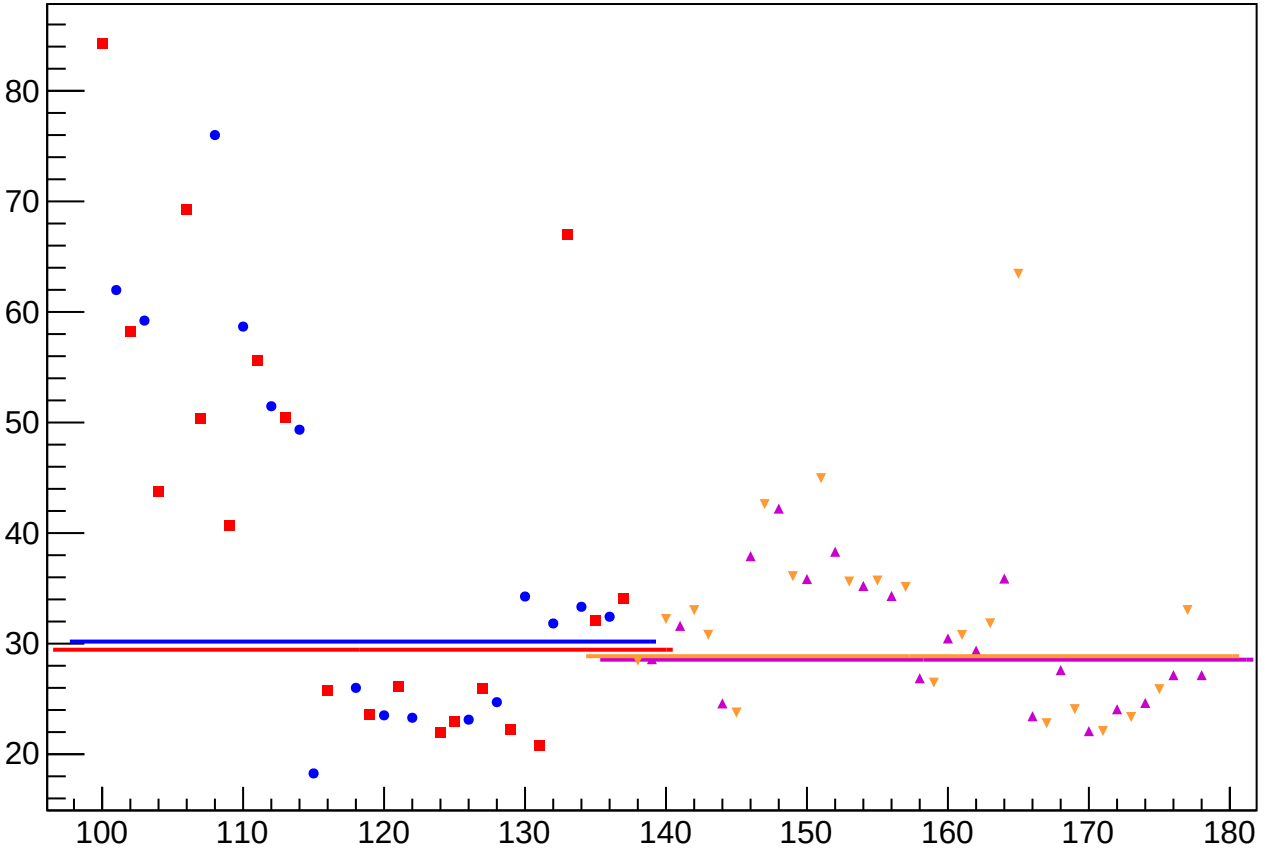
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.001+/-0.006 χ^2/NDF:26.5/35

Out: -0.011+/-0.006 χ^2/NDF:47.9/39

All: -0.005+/-0.004 χ^2/NDF: 76.3/75

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: 28.551+/-0.005 χ^2/NDF:965638.7/19

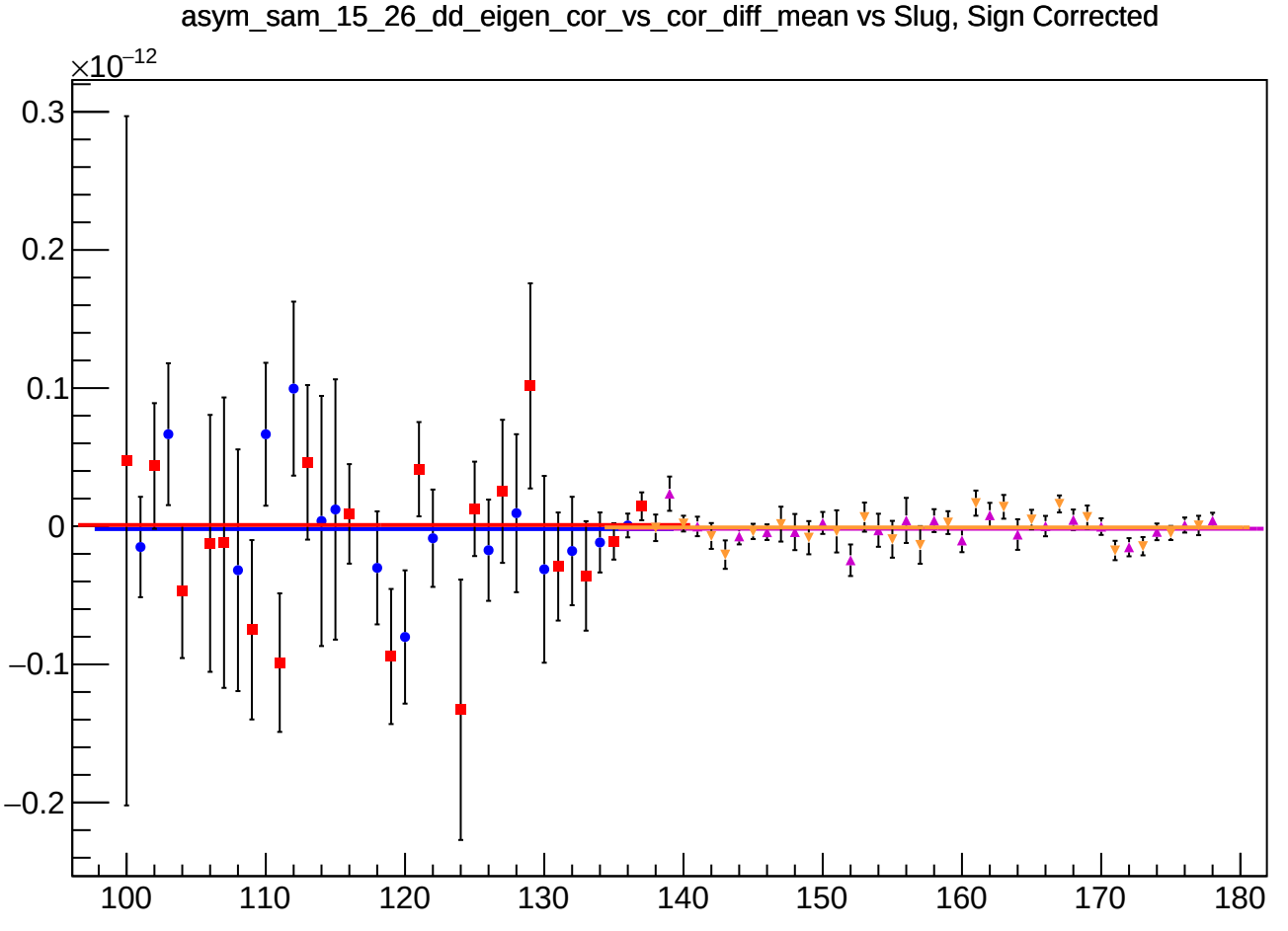
Left: 28.708+/-0.004 χ^2/NDF: 2525713.3/40

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 28.978+/-0.004 χ^2/NDF:2679043.0/35

Out: 29.028+/-0.004 χ^2/NDF:3410410.0/39

All: 29.003+/-0.003 χ^2/NDF: 6089515.0/75



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:19.0/19

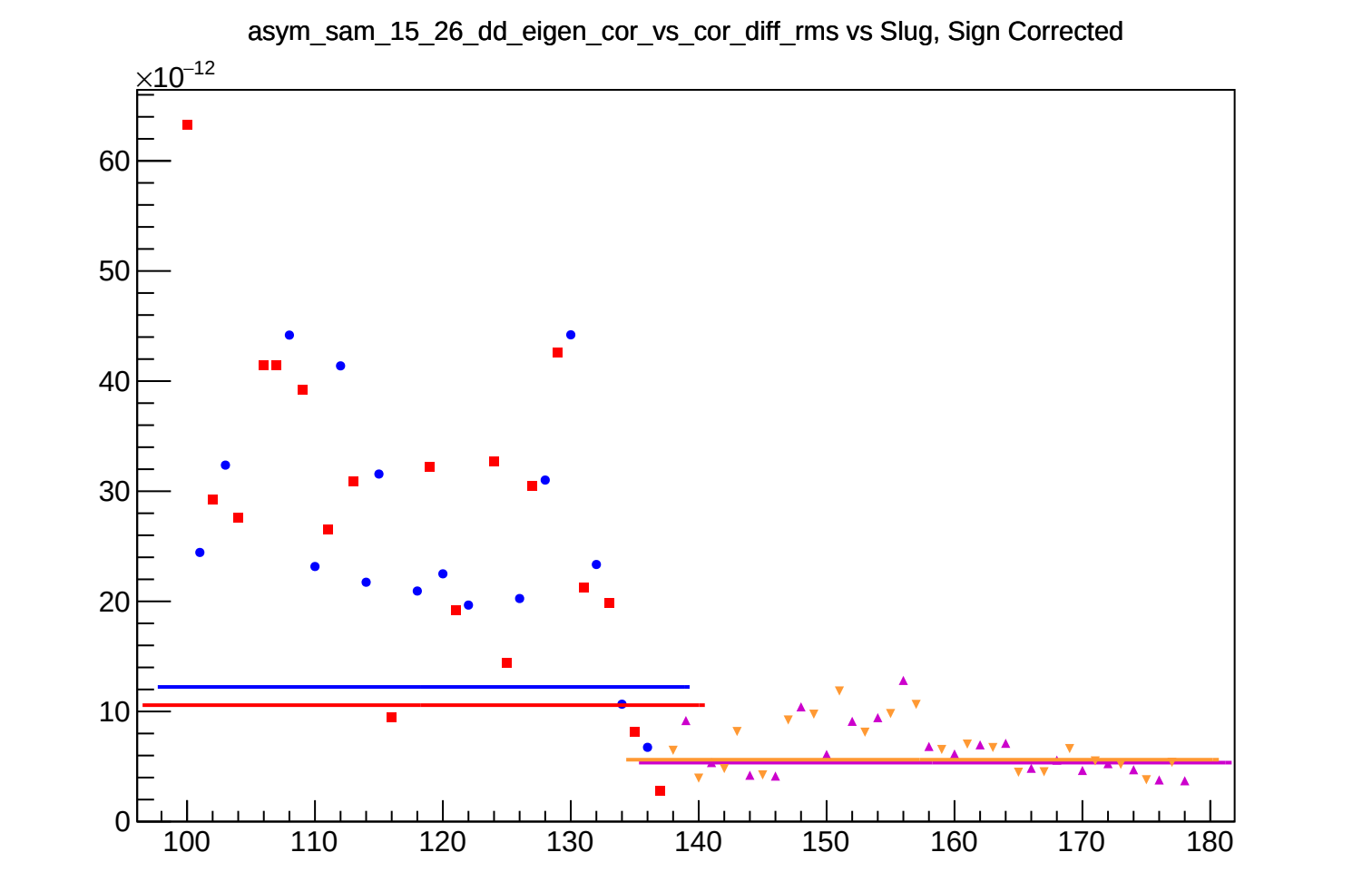
Left: -0.000+/-0.000 χ^2/NDF: 52.6/40

Right: -0.000+/-0.000 χ^2/NDF: 31.9/34

In: -0.000+/-0.000 χ^2/NDF:29.4/35

Out: -0.000+/-0.000 χ^2/NDF:54.9/39

All: -0.000+/-0.000 χ^2/NDF: 84.6/75



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:2132278.3/19

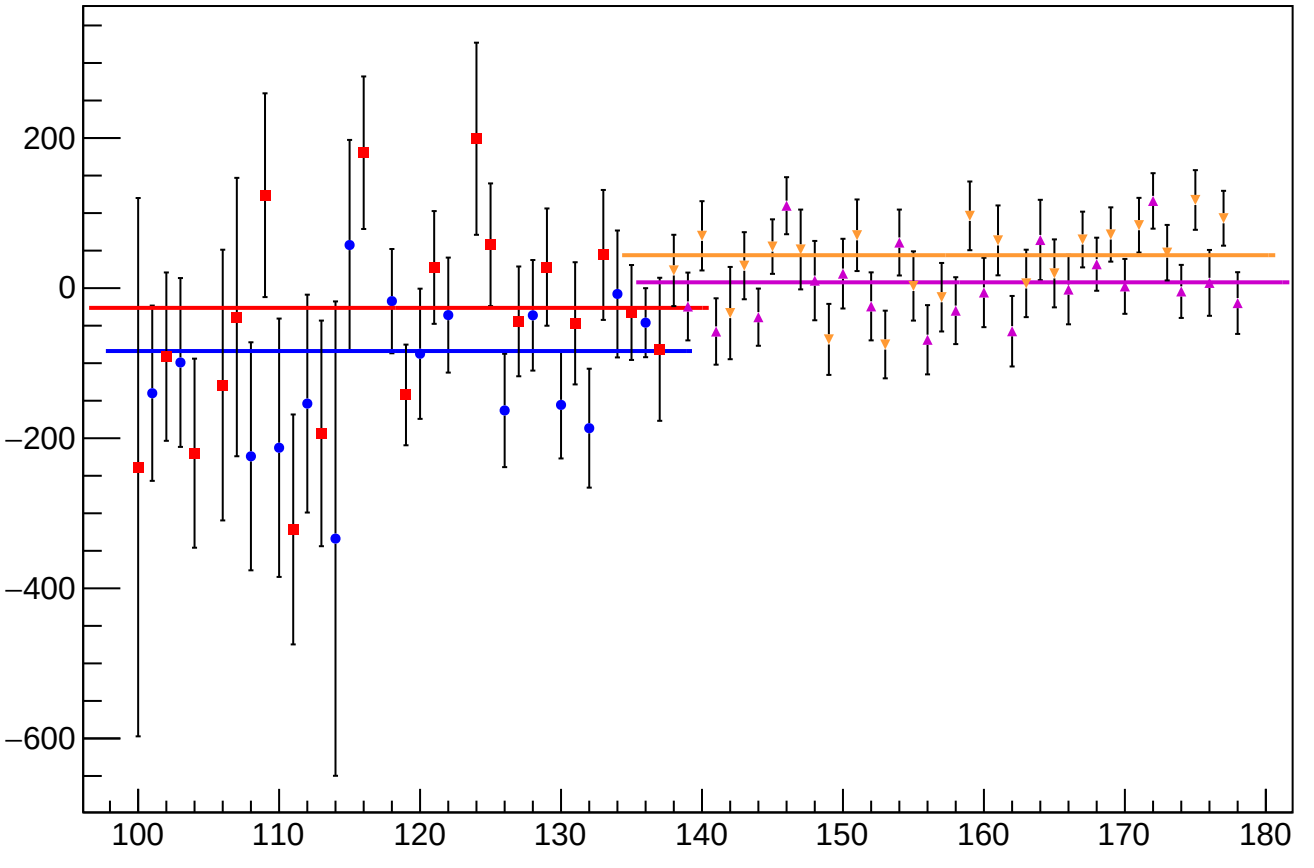
Left: 0.000+/-0.000 χ^2/NDF: 4439133.0/40

Right: 0.000+/-0.000 χ^2/NDF: 8268115.2/34

In: 0.000+/-0.000 χ^2/NDF:7485269.7/35

Out: 0.000+/-0.000 χ^2/NDF:8089232.4/39

All: 0.000+/-0.000 χ^2/NDF: 15586951.1/75



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: 7.763+/-9.488 χ^2/NDF:29.7/19

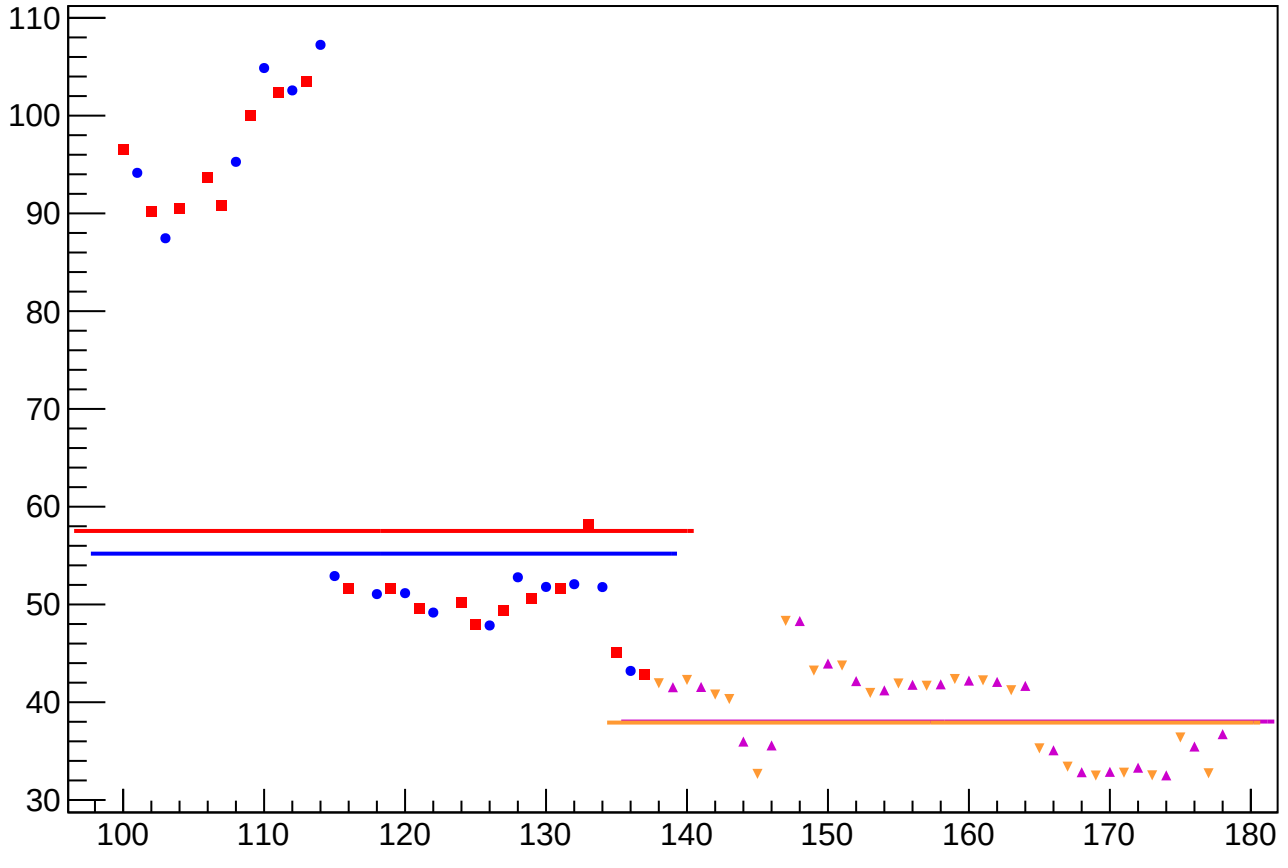
Left: 26.055+/-6.666 χ^2/NDF: 64.4/40

Right: -55.890+/-15.375 χ^2/NDF: 37.0/34

In: -7.239+/-8.676 χ^2/NDF:55.5/35

Out: 33.170+/-8.623 χ^2/NDF:58.9/39

All: 13.089+/-6.116 χ^2/NDF: 125.3/75



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: 38.023+/-0.007 χ^2/NDF:423393.2/19

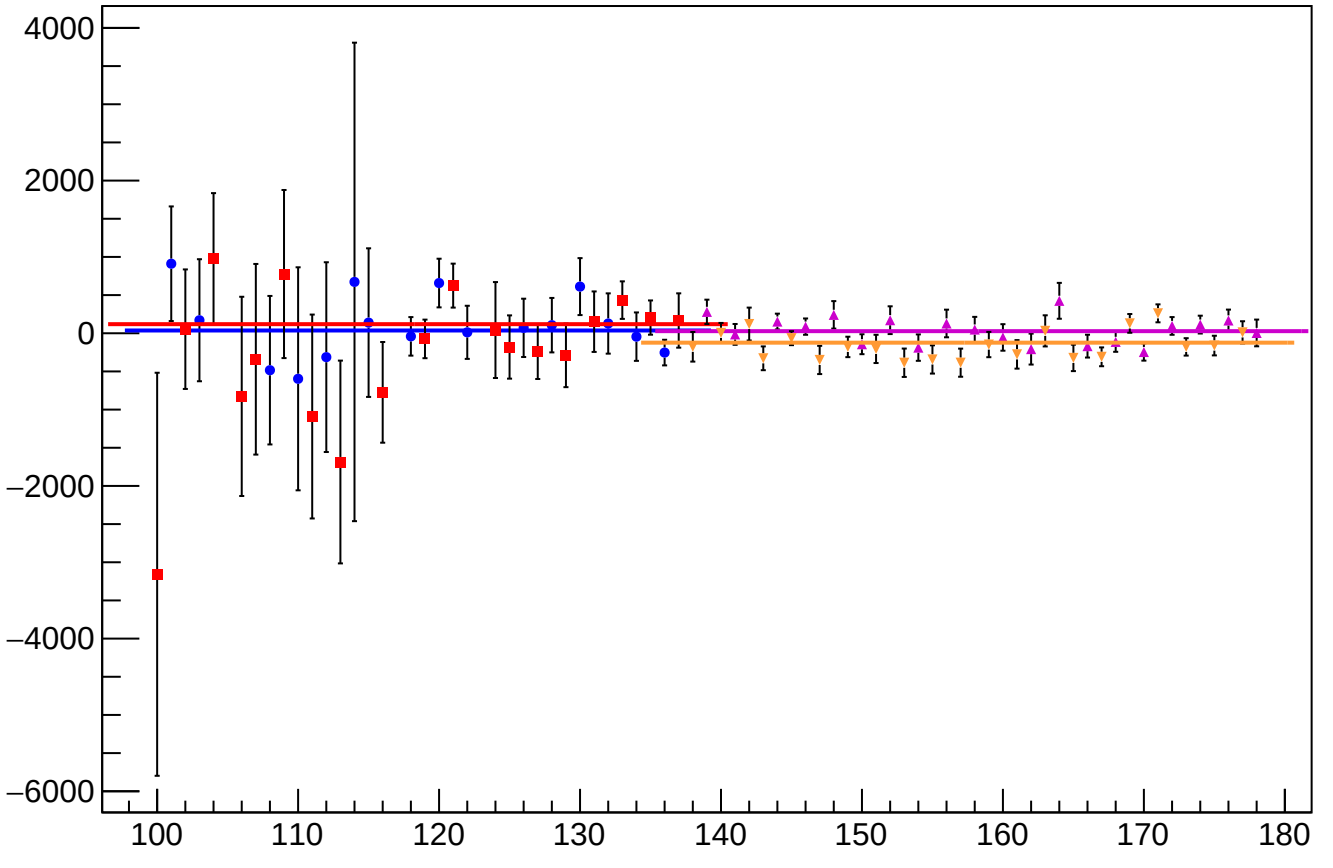
Left: 37.971+/-0.005 χ^2/NDF: 930691.4/40

Right: 56.325+/-0.011 χ^2/NDF: 2445763.7/34

In: 40.837+/-0.006 χ^2/NDF:2649612.9/35

Out: 40.912+/-0.006 χ^2/NDF:3125898.1/39

All: 40.875+/-0.004 χ^2/NDF: 5775585.8/75



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: 27.585+/-31.929 χ^2/NDF:25.0/19

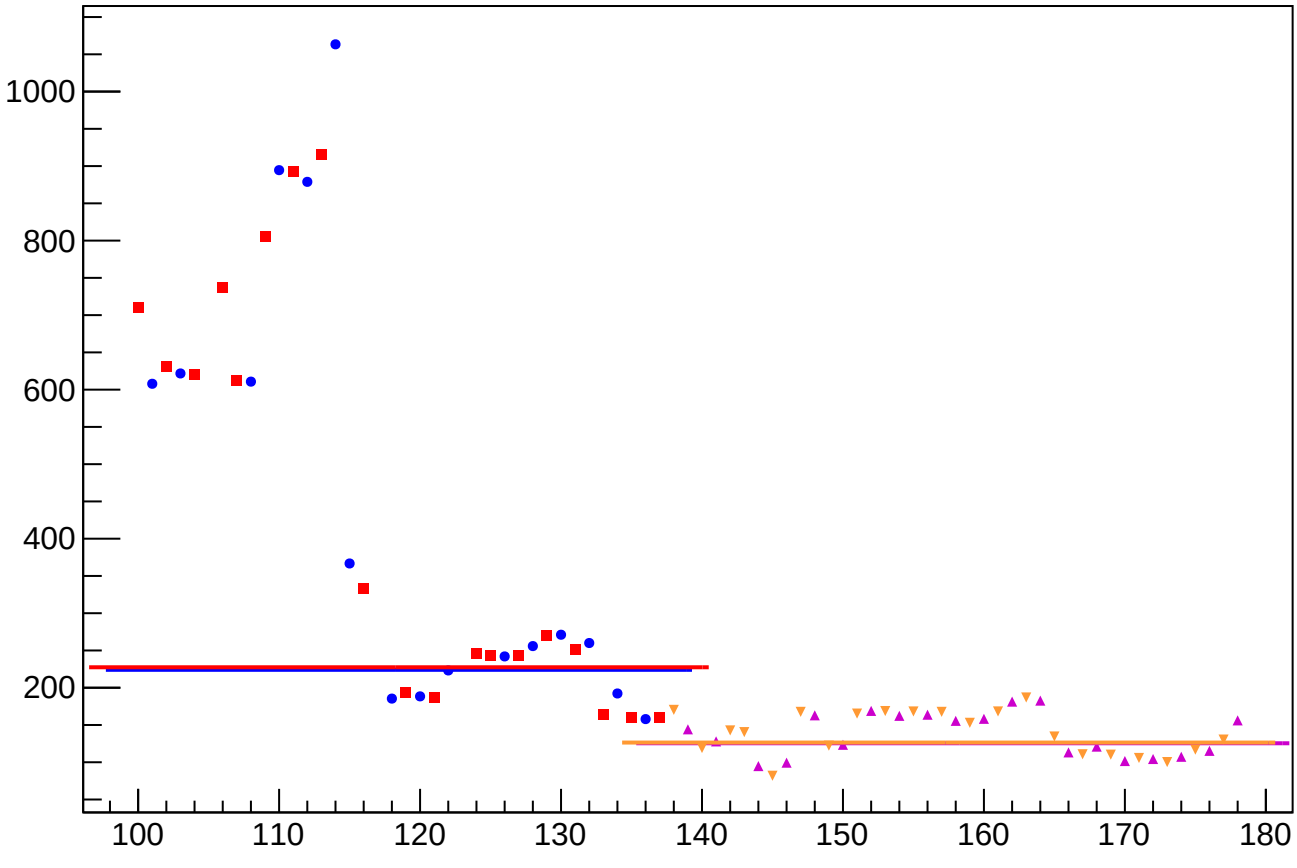
Left: -47.815+/-22.578 χ^2/NDF: 68.9/40

Right: 76.754+/-66.947 χ^2/NDF: 27.8/34

In: 28.497+/-30.218 χ^2/NDF:36.4/35

Out: -99.003+/-30.293 χ^2/NDF:54.5/39

All: -35.094+/-21.394 χ^2/NDF: 99.8/75



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: 125.469+/-0.023 χ^2/NDF:1402387.2/19

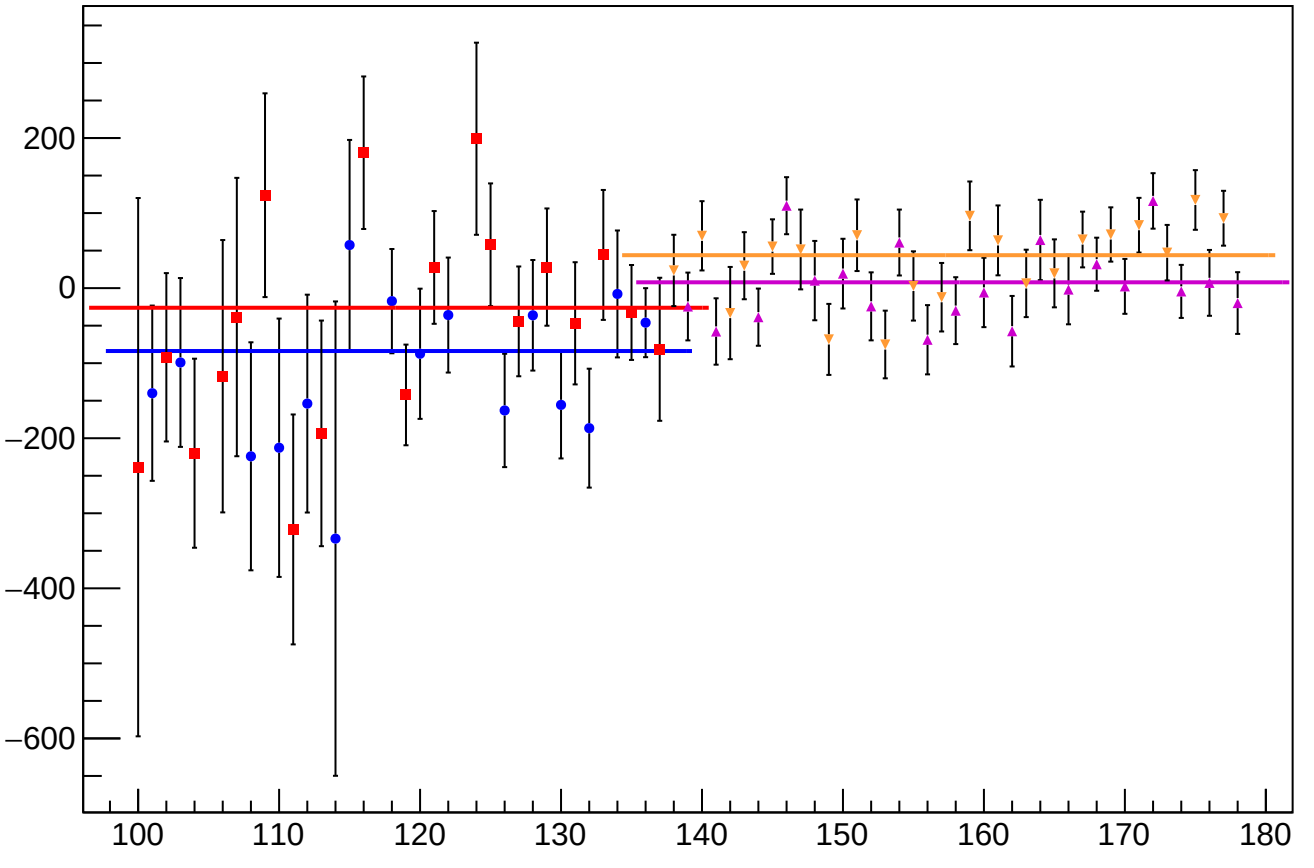
Left: 125.949+/-0.016 χ^2/NDF: 3085931.5/40

Right: 225.705+/-0.047 χ^2/NDF: 6609984.7/34

In: 135.750+/-0.021 χ^2/NDF:6358816.6/35

Out: 136.524+/-0.021 χ^2/NDF:7323594.8/39

All: 136.136+/-0.015 χ^2/NDF: 13683064.7/75



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: 7.763+/-9.488 χ^2/NDF:29.7/19

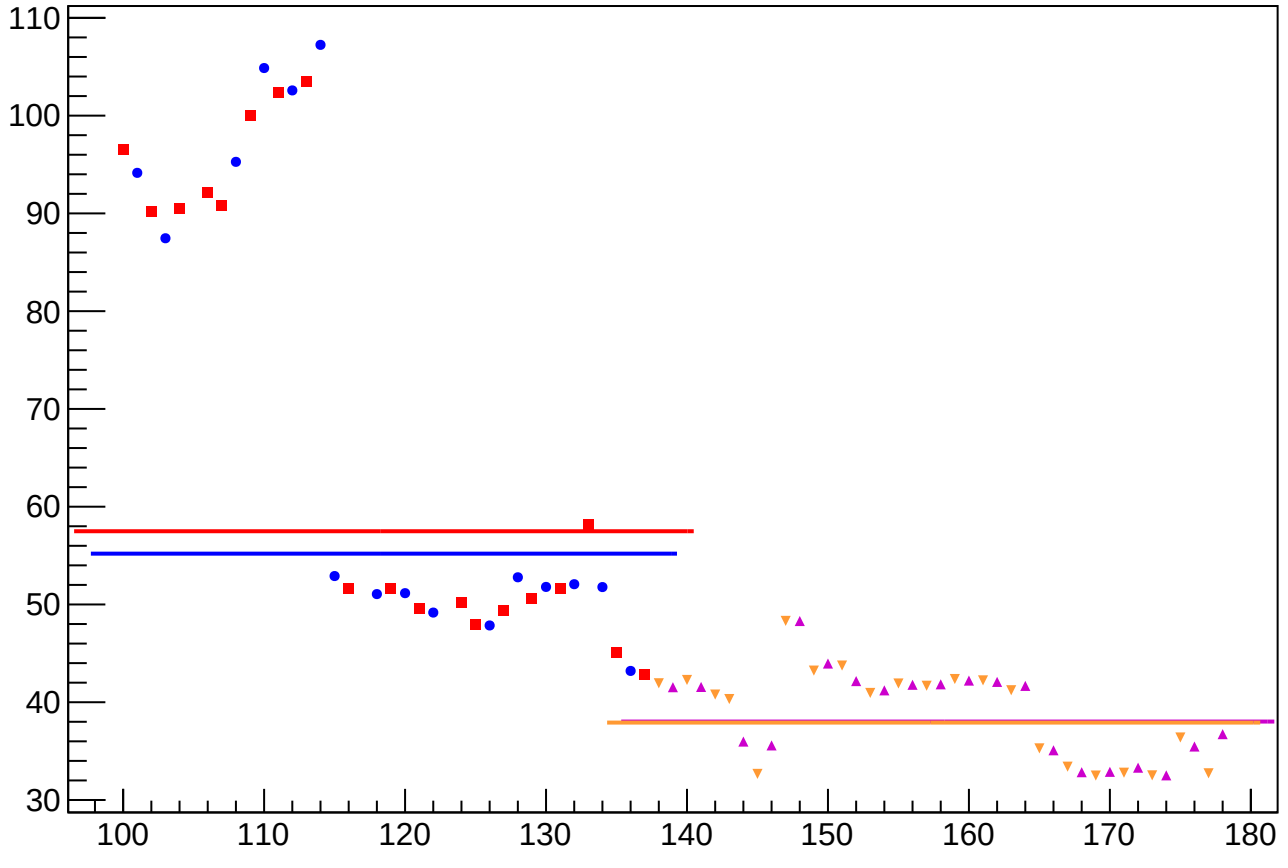
Left: 26.056+/-6.666 χ^2/NDF: 64.4/40

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -7.238+/-8.676 χ^2/NDF:55.5/35

Out: 33.197+/-8.623 χ^2/NDF:58.8/39

All: 13.103+/-6.116 χ^2/NDF: 125.2/75



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: 38.023+/-0.007 χ^2/NDF:423393.2/19

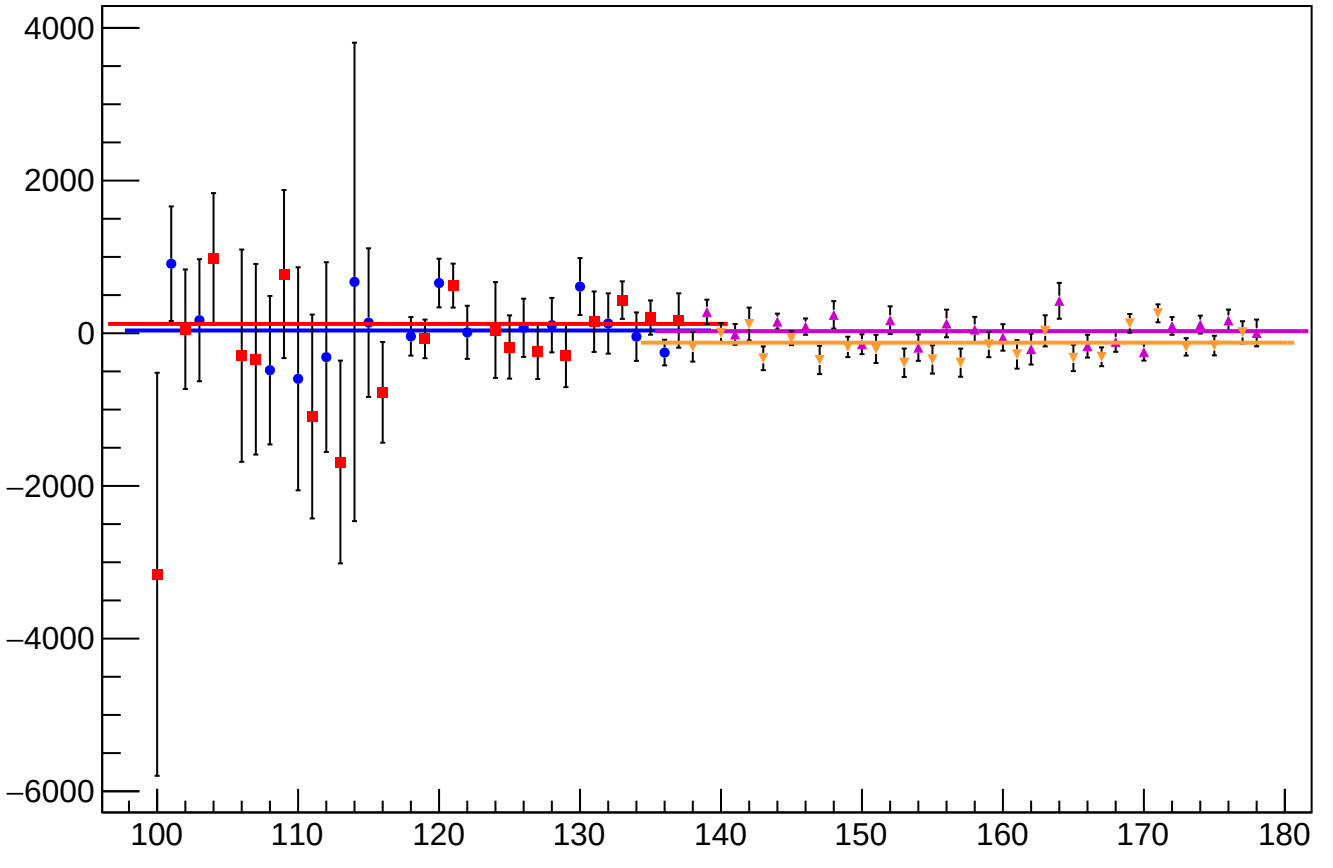
Left: 37.971+/-0.005 χ^2/NDF: 930691.4/40

Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 40.837+/-0.006 χ^2/NDF:2649613.1/35

Out: 40.907+/-0.006 χ^2/NDF:3114339.2/39

All: 40.872+/-0.004 χ^2/NDF: 5764017.6/75



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: 27.586+/-31.929 χ^2/NDF:25.0/19

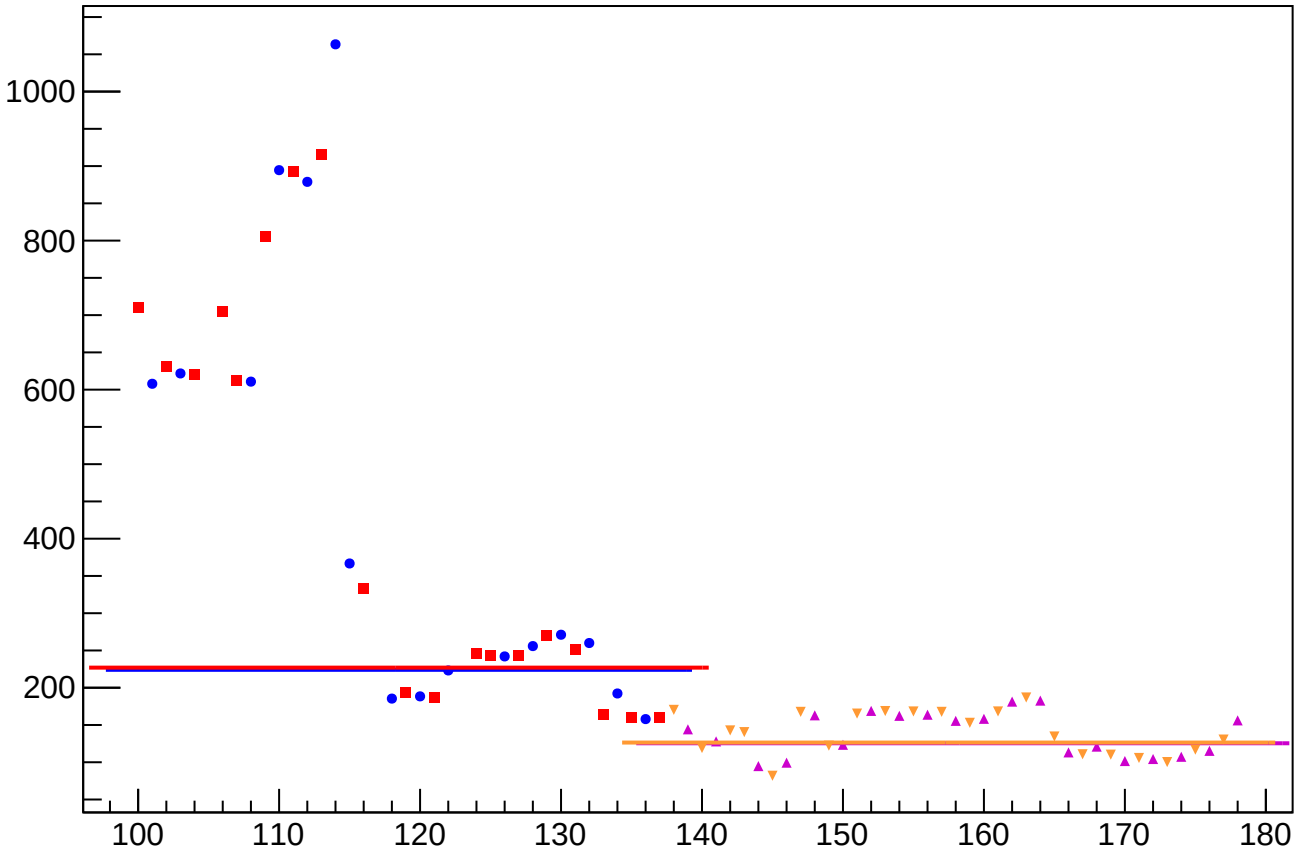
Left: -47.815+/-22.578 χ^2/NDF: 68.9/40

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 28.498+/-30.218 χ^2/NDF:36.4/35

Out: -98.706+/-30.294 χ^2/NDF:54.2/39

All: -34.944+/-21.394 χ^2/NDF: 99.5/75



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: 125.469+/-0.023 χ^2/NDF:1402395.9/19

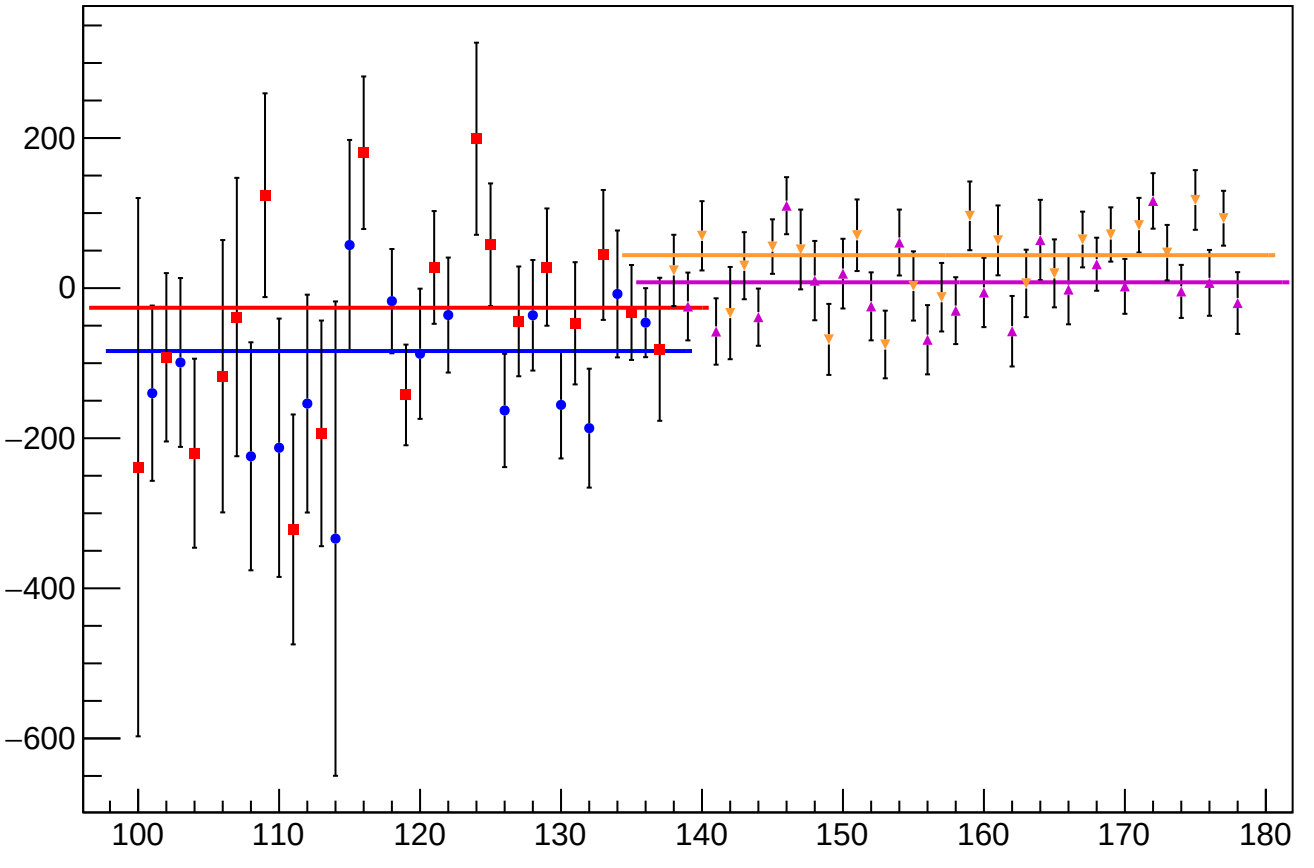
Left: 125.949+/-0.016 χ^2/NDF: 3085939.2/40

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 135.750+/-0.021 χ^2/NDF:6358836.1/35

Out: 136.470+/-0.021 χ^2/NDF:7234781.2/39

All: 136.109+/-0.015 χ^2/NDF: 13594183.0/75



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: 7.763+/-9.488 χ^2/NDF:29.7/19

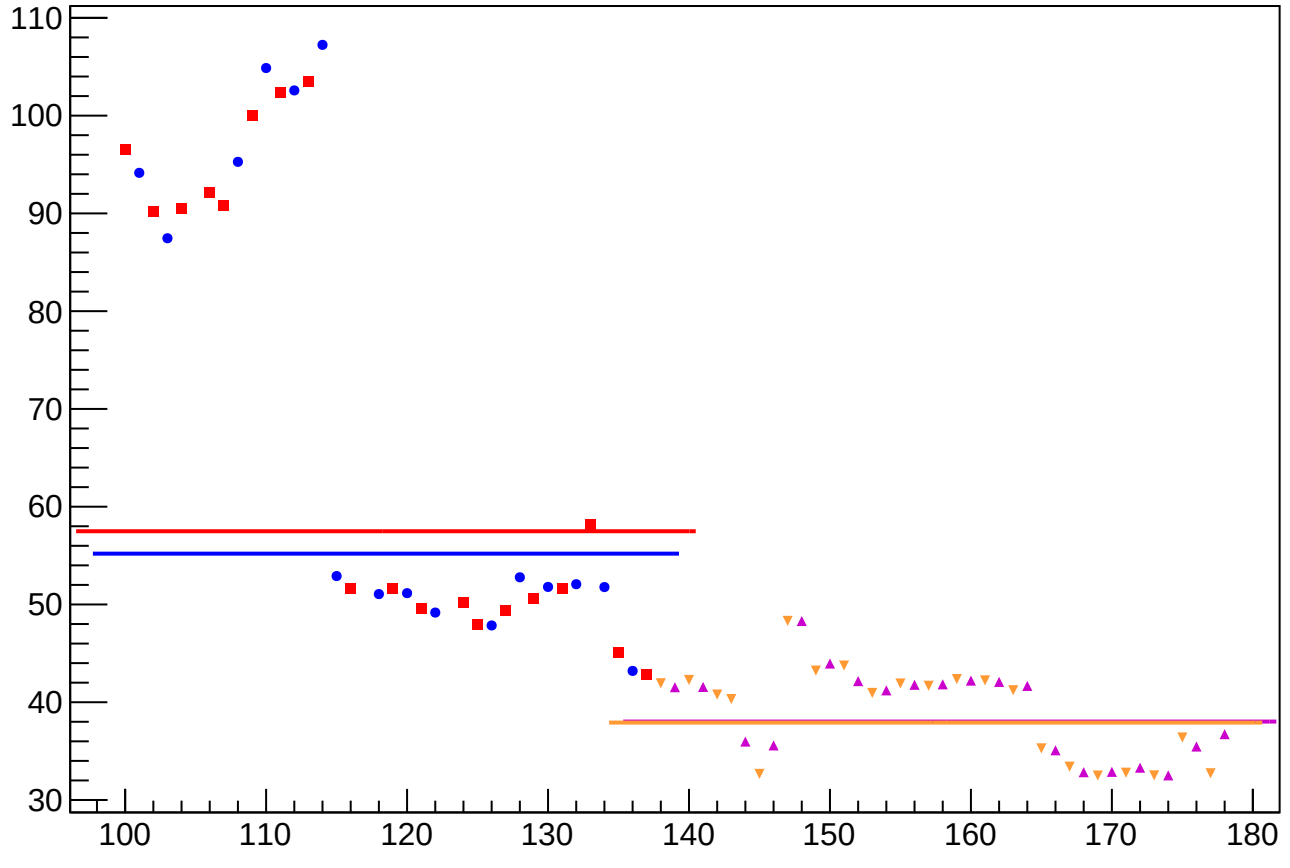
Left: 26.056+/-6.666 χ^2/NDF: 64.4/40

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -7.238+/-8.676 χ^2/NDF:55.5/35

Out: 33.197+/-8.623 χ^2/NDF:58.8/39

All: 13.103+/-6.116 χ^2/NDF: 125.2/75



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: 38.023+/-0.007 χ^2/NDF:423393.2/19

Left: 37.971+/-0.005 χ^2/NDF: 930691.4/40

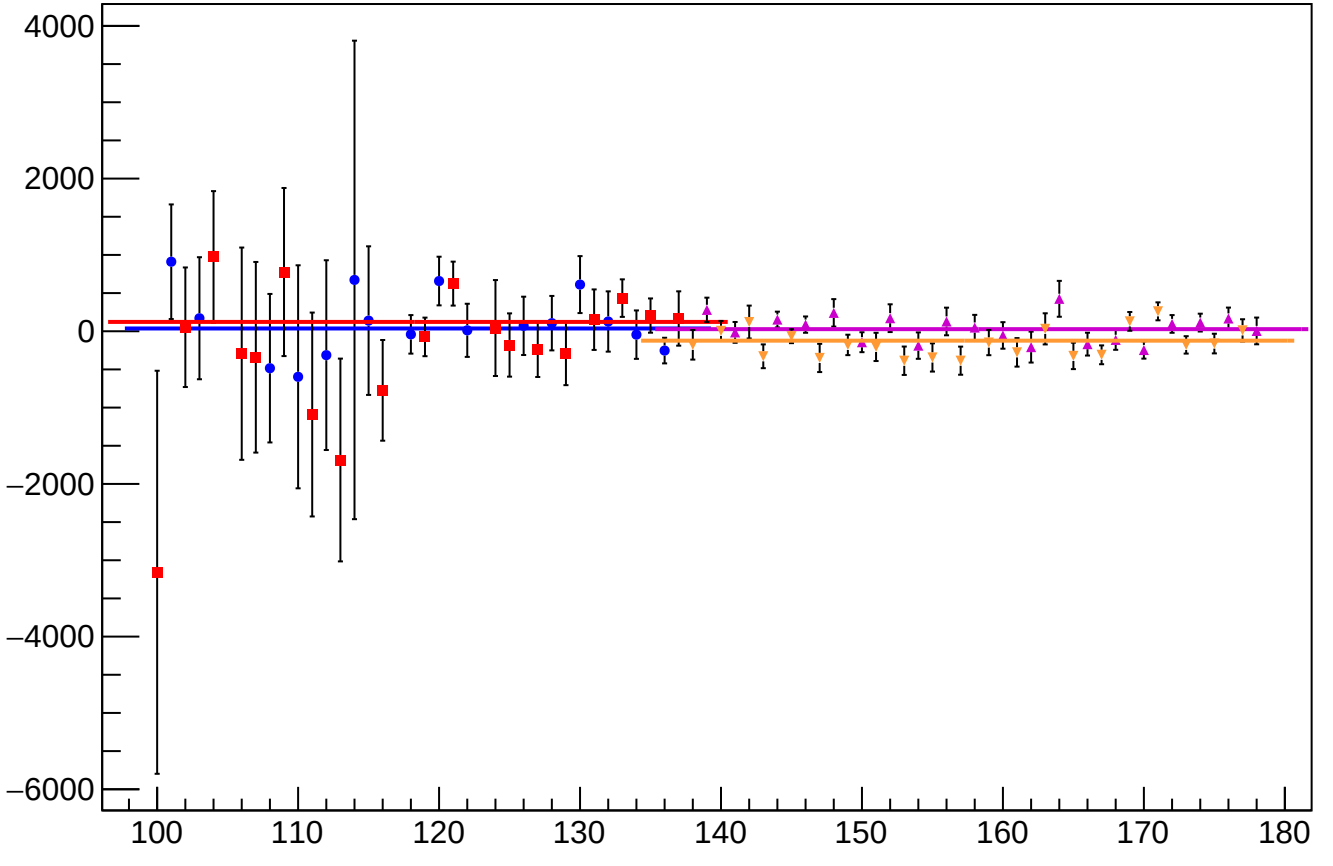
Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 40.837+/-0.006 χ^2/NDF:2649613.1/35

Out: 40.907+/-0.006 χ^2/NDF:3114339.2/39

All: 40.872+/-0.004 χ^2/NDF: 5764017.6/75

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: 27.586+/-31.929 χ^2/NDF:25.0/19

Left: -47.815+/-22.578 χ^2/NDF: 68.9/40

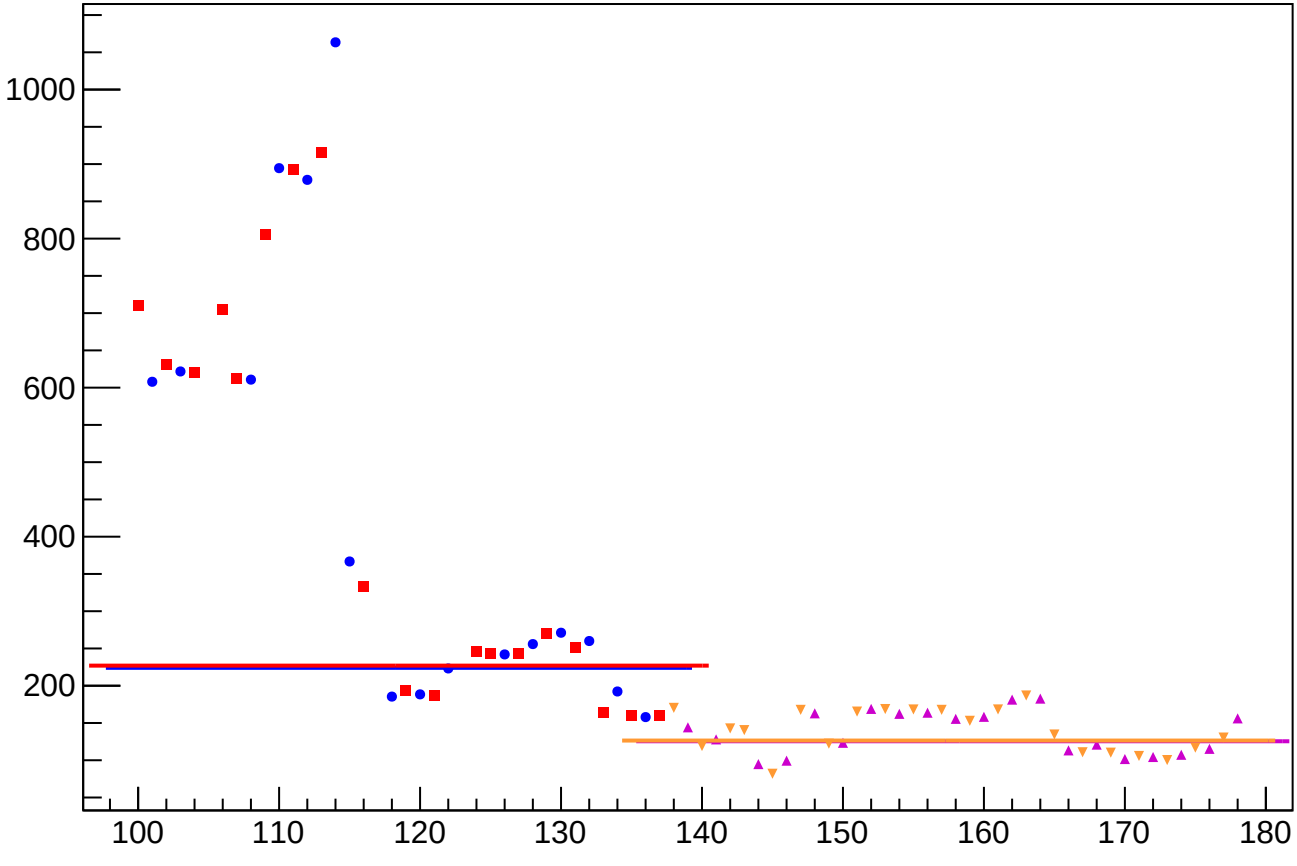
Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 28.498+/-30.218 χ^2/NDF:36.4/35

Out: -98.706+/-30.294 χ^2/NDF:54.2/39

All: -34.944+/-21.394 χ^2/NDF: 99.5/75

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: 125.469+/-0.023 χ^2/NDF:1402395.9/19

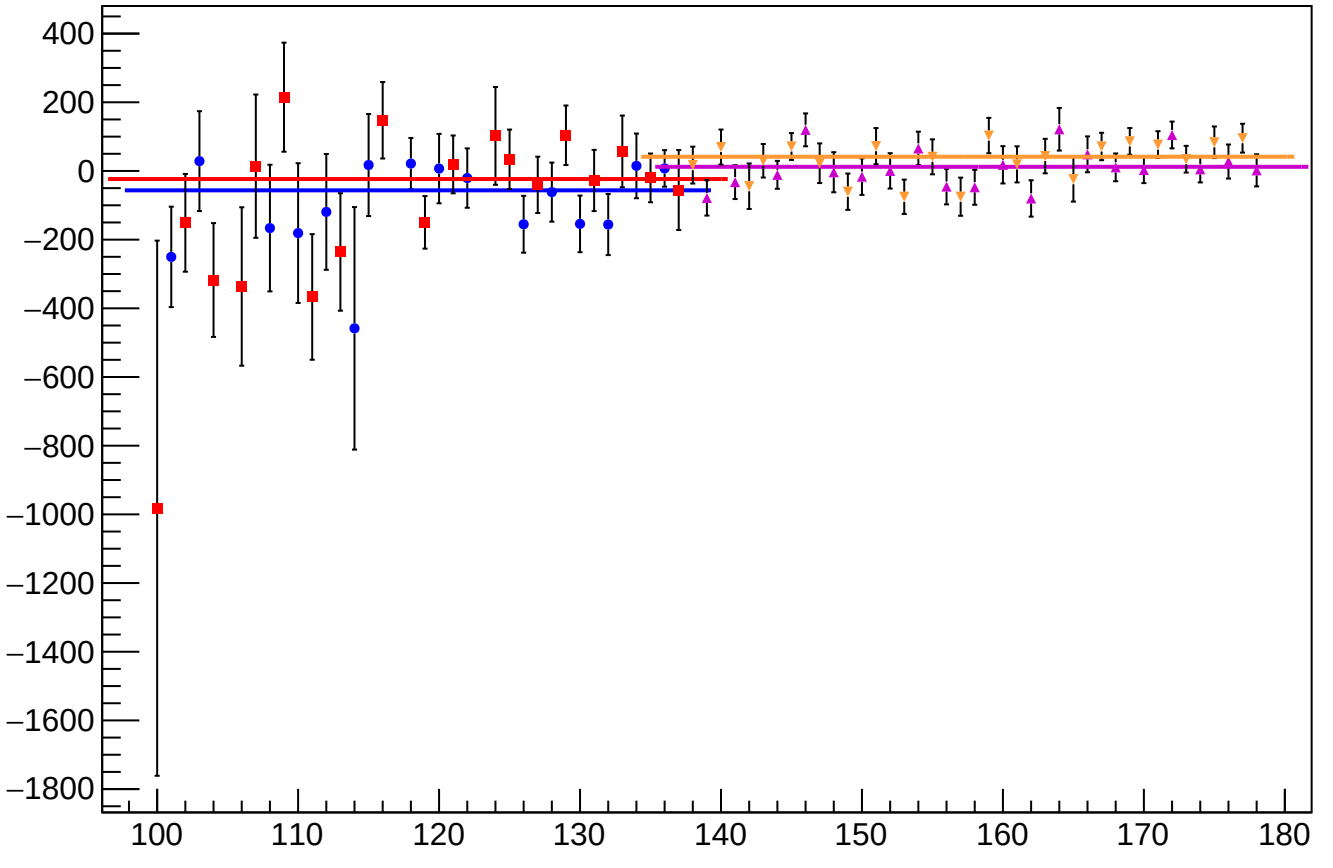
Left: 125.949+/-0.016 χ^2/NDF: 3085939.2/40

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 135.750+/-0.021 χ^2/NDF:6358836.1/35

Out: 136.470+/-0.021 χ^2/NDF:7234781.2/39

All: 136.109+/-0.015 χ^2/NDF: 13594183.0/75



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: 12.127+/-10.627 χ^2/NDF:26.0/19

Left: 27.045+/-7.446 χ^2/NDF: 54.6/40

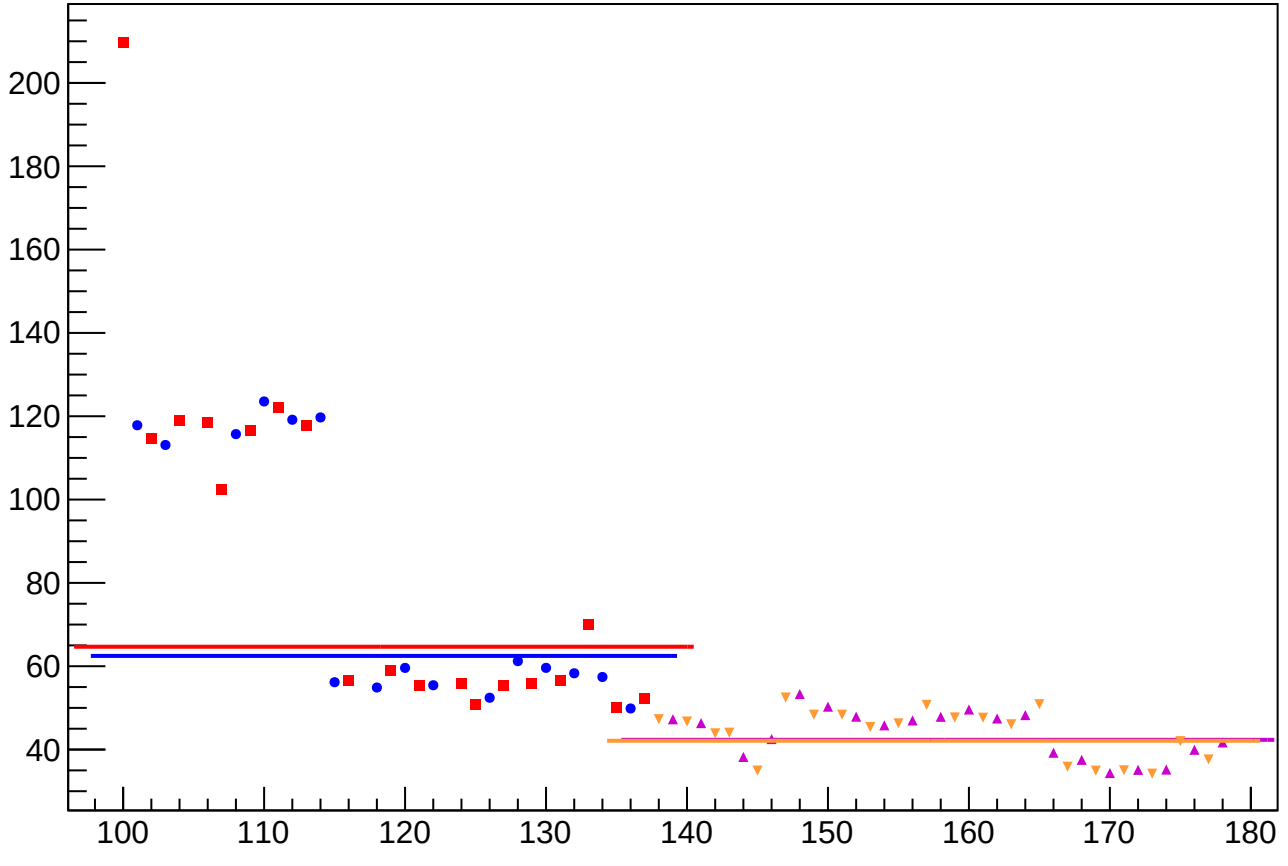
Right: -40.400+/-17.549 χ^2/NDF: 37.2/34

In: 1.265+/-9.749 χ^2/NDF:44.9/35

Out: 31.901+/-9.640 χ^2/NDF:54.4/39

All: 16.755+/-6.855 χ^2/NDF: 104.3/75

dit_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 42.107+/-0.007 χ^2/NDF:680413.2/20

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

Left In: 42.335+/-0.008 χ^2/NDF:579312.1/19

Left: 42.219+/-0.005 χ^2/NDF: 1260193.9/40

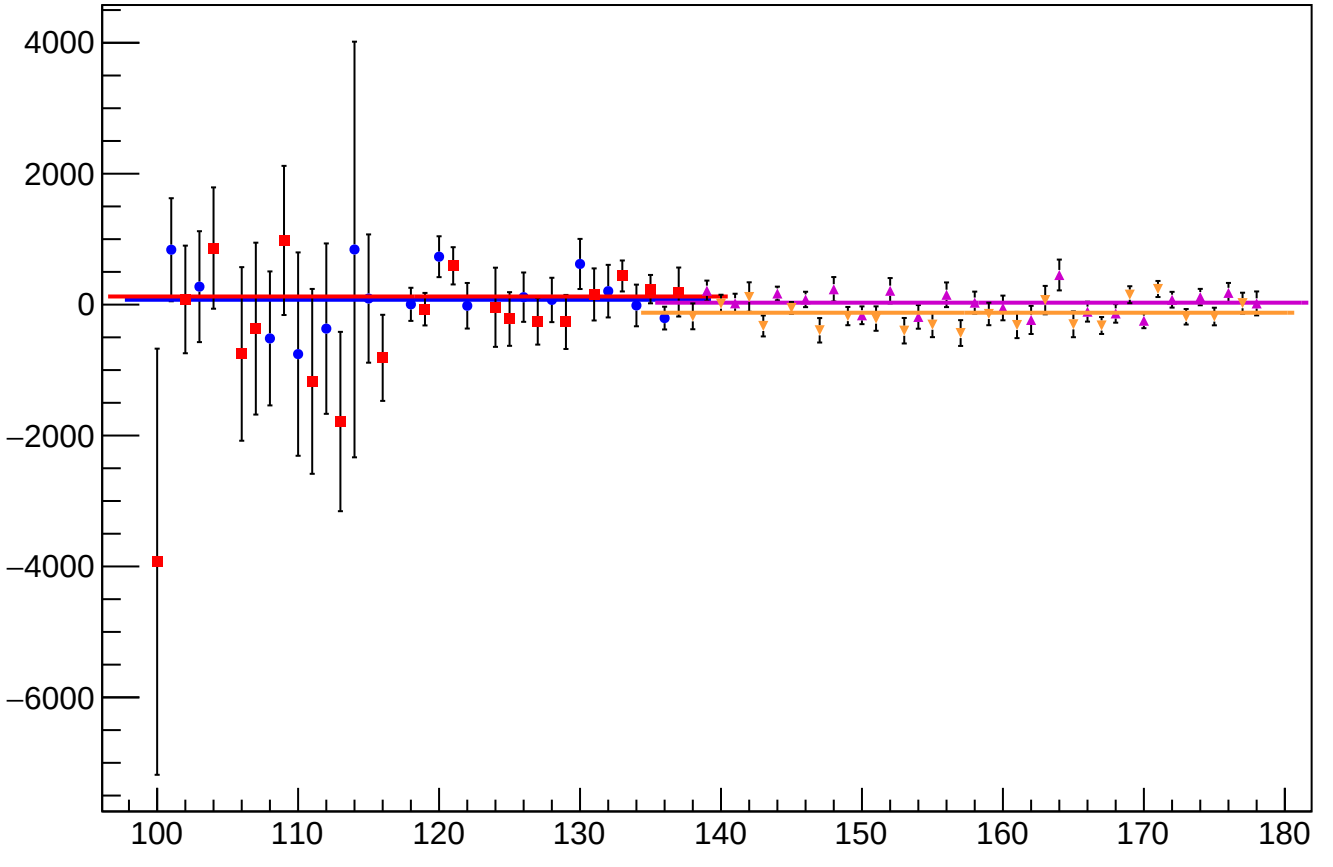
Right: 63.547+/-0.012 χ^2/NDF: 2946567.9/34

In: 45.527+/-0.007 χ^2/NDF:3065772.2/35

Out: 45.421+/-0.007 χ^2/NDF:3644337.3/39

All: 45.473+/-0.005 χ^2/NDF: 6710228.4/75

asym_sam_37_26_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -123.931+/-33.198 χ^2/NDF:31.6/20

Right Out: 124.201+/-94.665 χ^2/NDF: 16.3/18

Left In: 29.544+/-33.333 χ^2/NDF:23.8/19

Left: -47.505+/-23.522 χ^2/NDF: 66.1/40

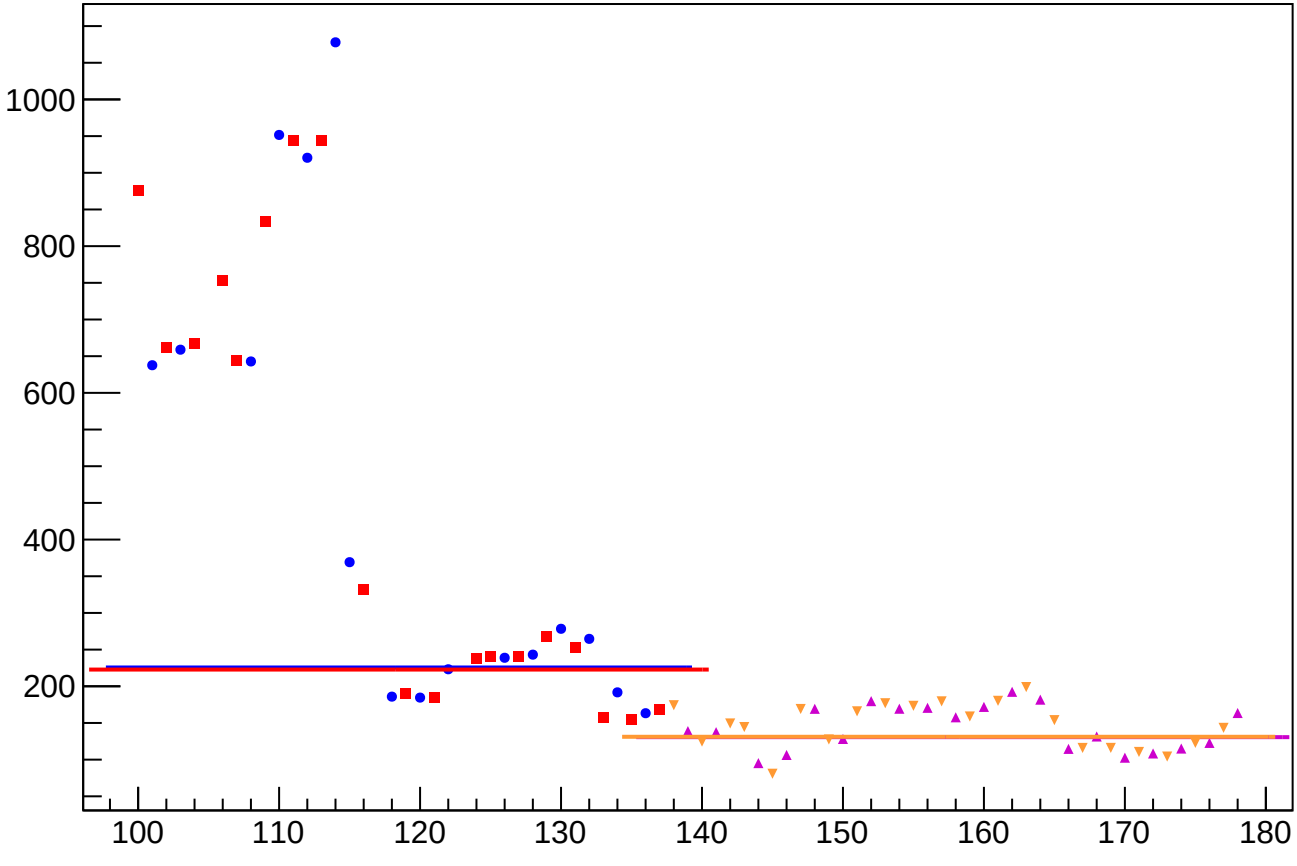
Right: 99.202+/-66.877 χ^2/NDF: 27.7/34

In: 34.497+/-31.435 χ^2/NDF:35.2/35

Out: -96.757+/-31.327 χ^2/NDF:54.1/39

All: -31.355+/-22.190 χ^2/NDF: 98.0/75

asym_sam_37_26_dd_dit_correction_rms vs Slug, Sign Corrected



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: 130.649+/-0.024 χ^2/NDF:1439510.1/19

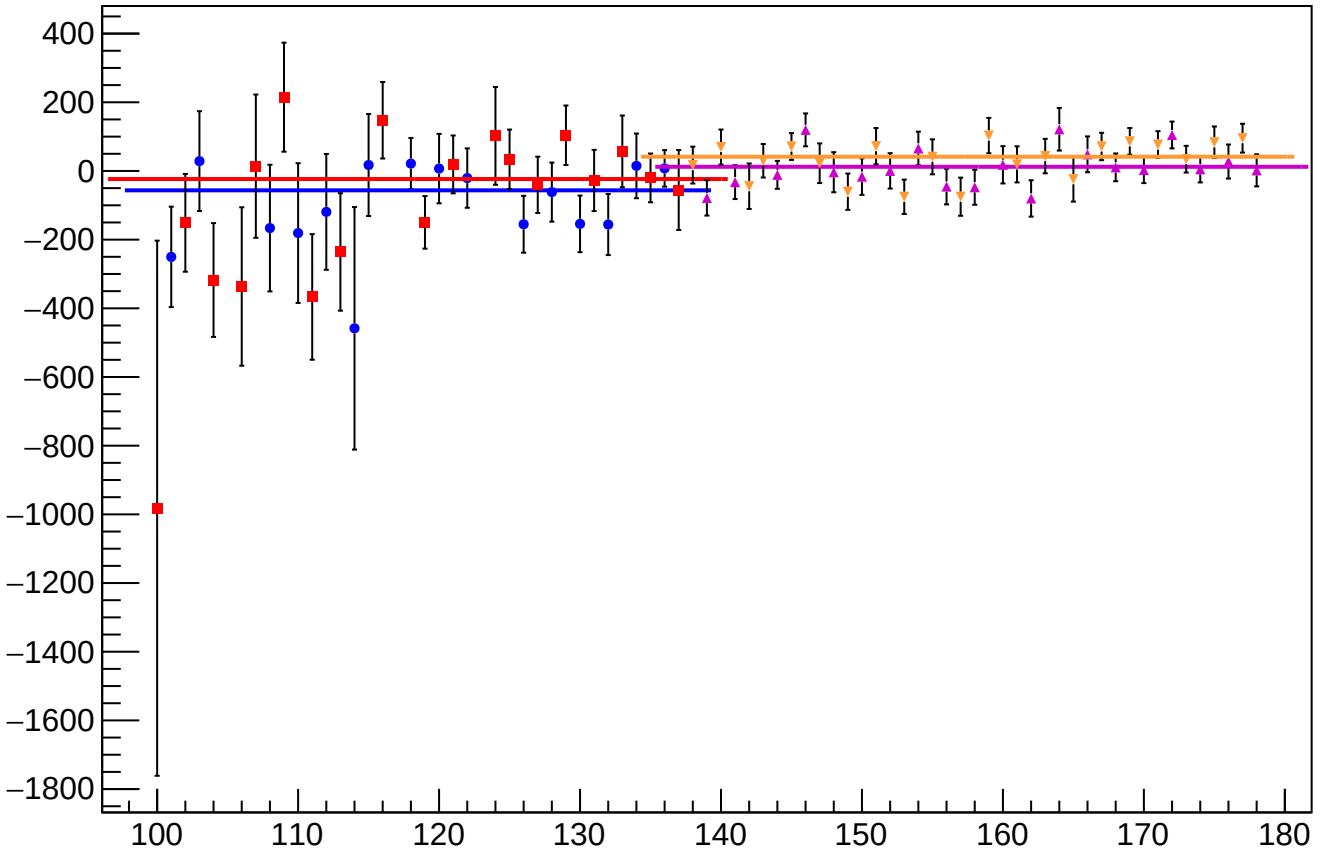
Left: 130.904+/-0.017 χ^2/NDF: 3301466.2/40

Right: 224.203+/-0.047 χ^2/NDF: 6875057.9/34

In: 141.158+/-0.022 χ^2/NDF:6262040.7/35

Out: 141.192+/-0.022 χ^2/NDF:7378409.3/39

All: 141.175+/-0.016 χ^2/NDF: 13640451.1/75



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: 12.127+/-10.627 χ^2/NDF:26.0/19

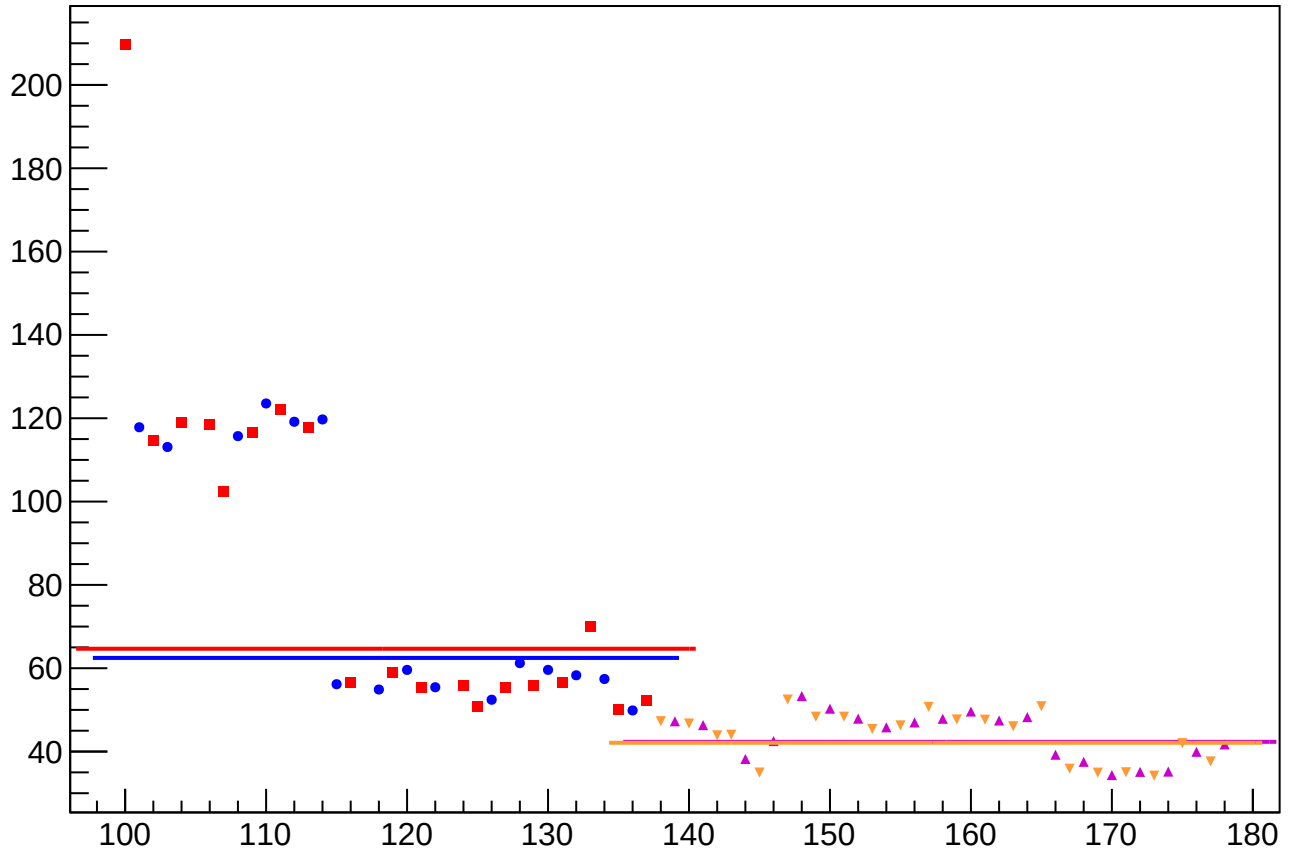
Left: 27.045+/-7.446 χ^2/NDF: 54.6/40

Right: -40.402+/-17.549 χ^2/NDF: 37.2/34

In: 1.265+/-9.749 χ^2/NDF:44.9/35

Out: 31.902+/-9.640 χ^2/NDF:54.4/39

All: 16.755+/-6.855 χ^2/NDF: 104.3/75



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: 42.335+/-0.008 χ^2/NDF:579316.1/19

Left: 42.219+/-0.005 χ^2/NDF: 1260216.9/40

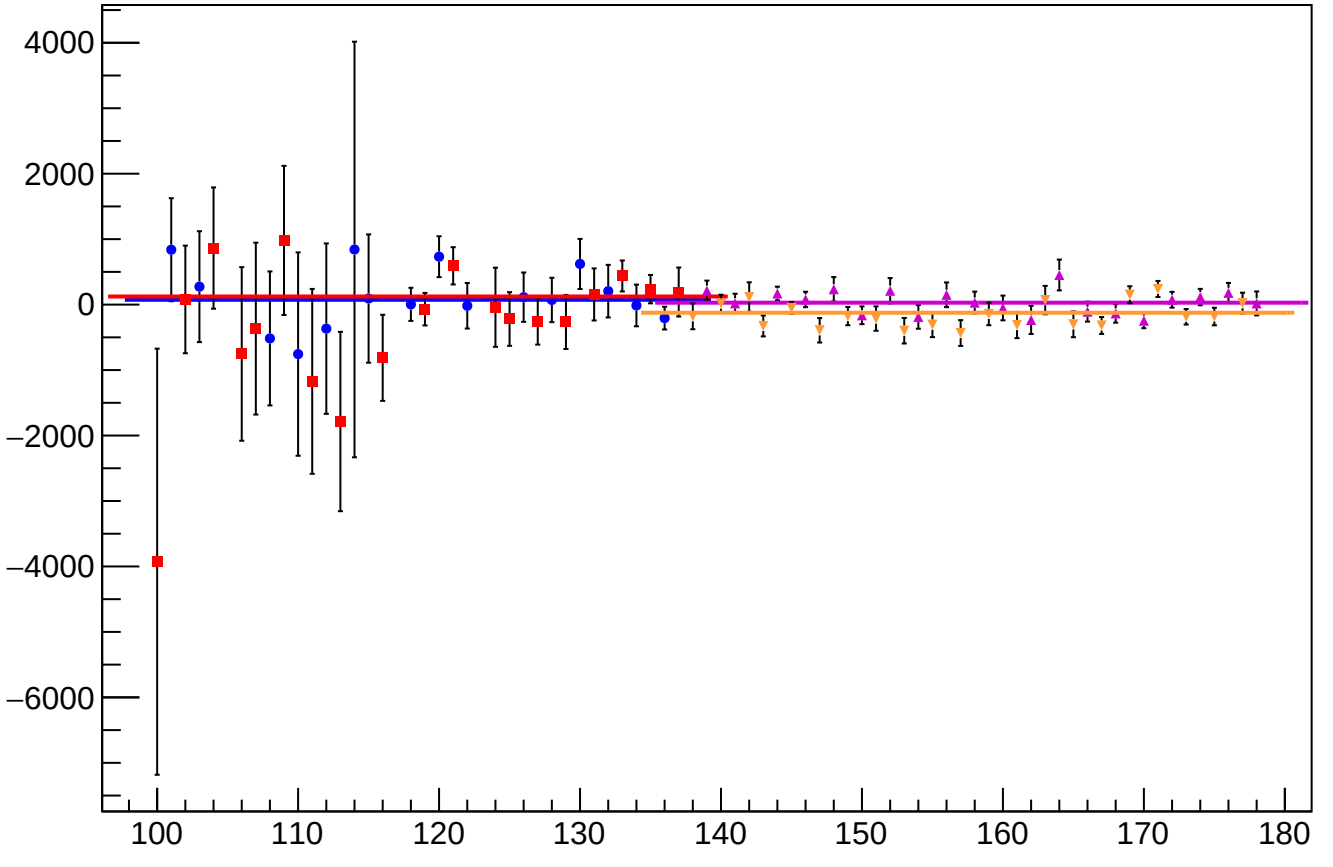
Right: 63.547+/-0.012 χ^2/NDF: 2946529.3/34

In: 45.527+/-0.007 χ^2/NDF:3065707.4/35

Out: 45.421+/-0.007 χ^2/NDF:3644311.9/39

All: 45.473+/-0.005 χ^2/NDF: 6710138.4/75

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: 29.545+/-33.333 χ^2/NDF:23.8/19

Left: -47.505+/-23.522 χ^2/NDF: 66.1/40

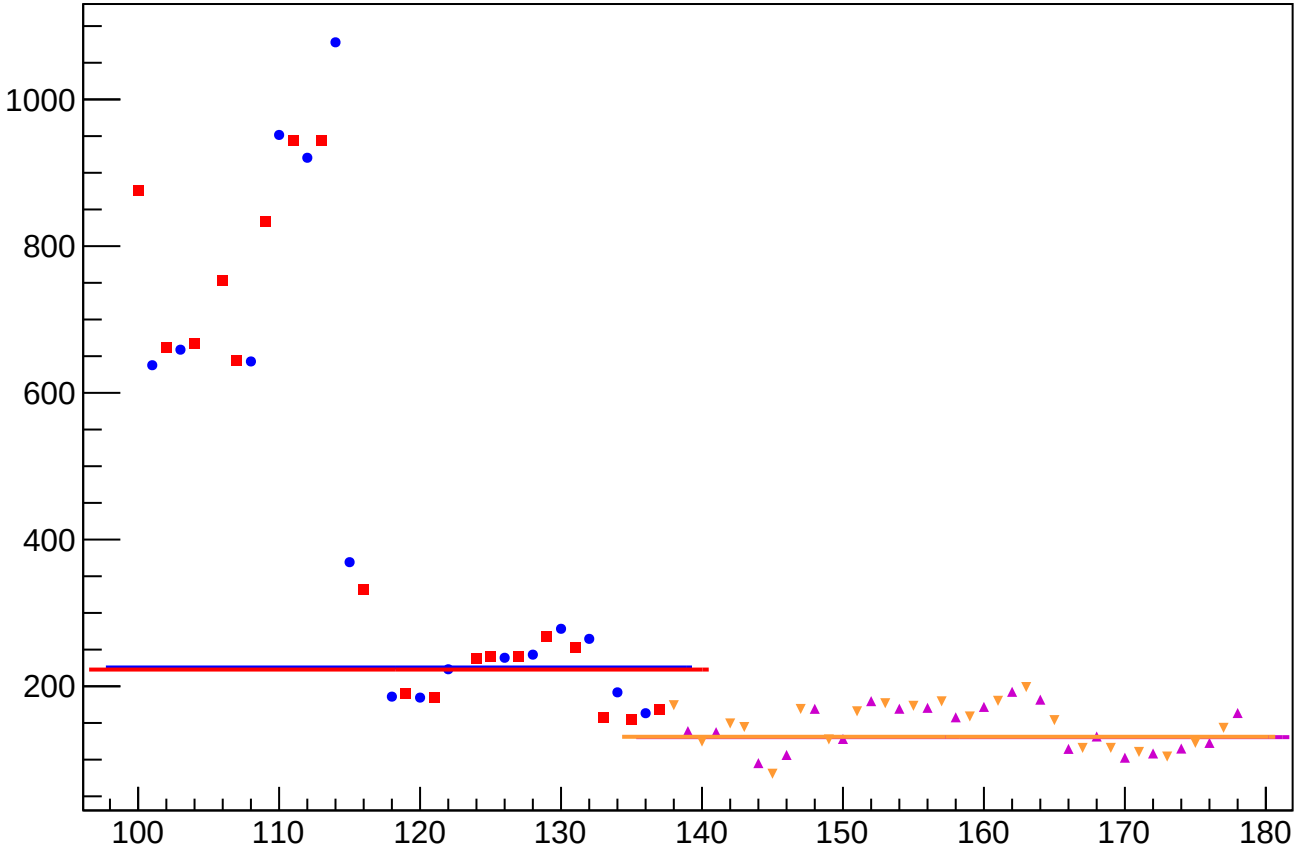
Right: 99.201+/-66.877 χ^2/NDF: 27.7/34

In: 34.497+/-31.435 χ^2/NDF:35.2/35

Out: -96.757+/-31.327 χ^2/NDF:54.1/39

All: -31.355+/-22.190 χ^2/NDF: 98.0/75

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: 130.649+/-0.024 χ^2/NDF:1439509.1/19

Left: 130.905+/-0.017 χ^2/NDF: 3301453.1/40

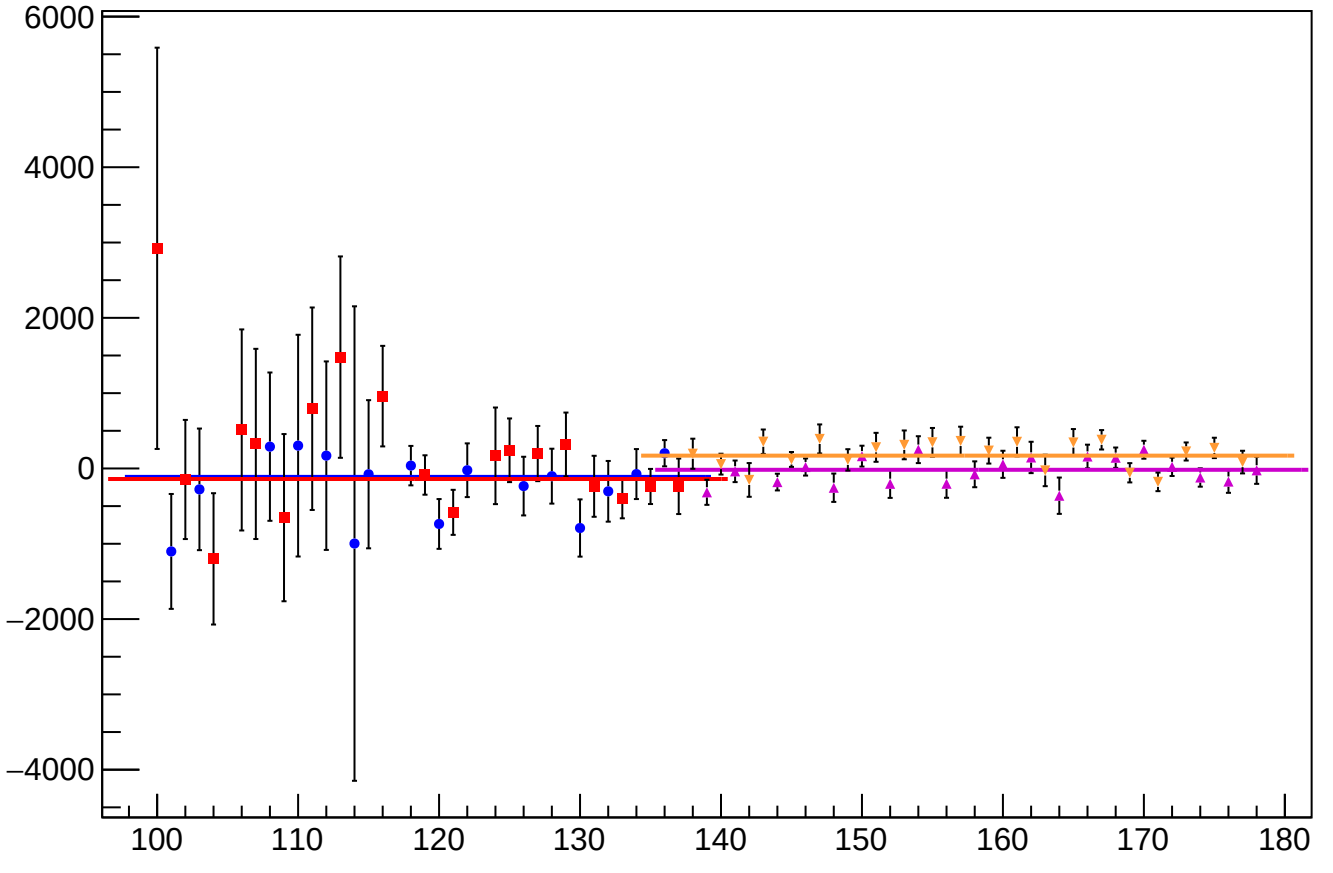
Right: 224.203+/-0.047 χ^2/NDF: 6875025.2/34

In: 141.159+/-0.022 χ^2/NDF:6262020.0/35

Out: 141.192+/-0.022 χ^2/NDF:7378383.4/39

All: 141.176+/-0.016 χ^2/NDF: 13640404.5/75

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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: -17.753+/-33.459 χ^2/NDF:25.6/19

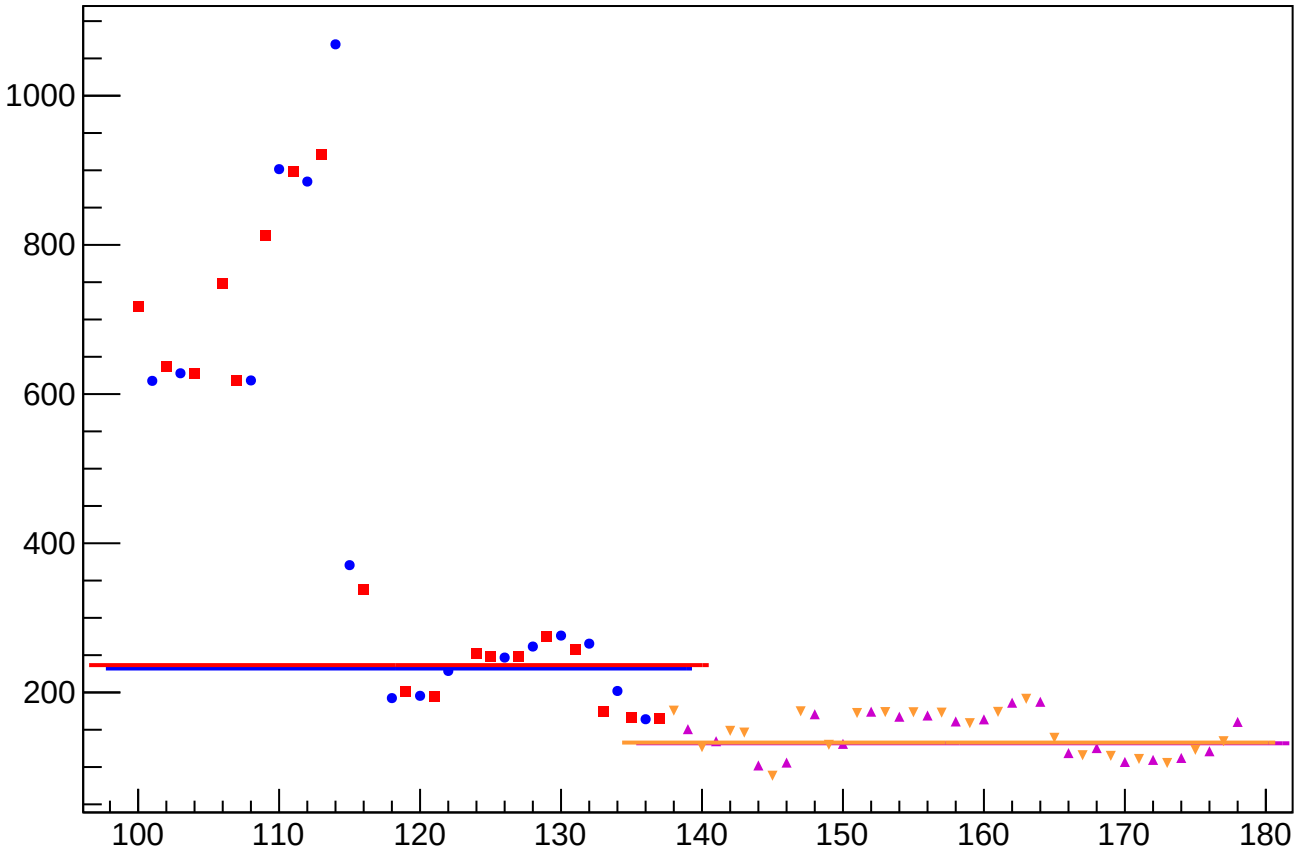
Left: 76.332+/-23.651 χ^2/NDF: 67.8/40

Right: -125.569+/-69.180 χ^2/NDF: 27.5/34

In: -27.848+/-31.614 χ^2/NDF:39.2/35

Out: 138.622+/-31.684 χ^2/NDF:49.8/39

All: 55.203+/-22.379 χ^2/NDF: 102.9/75



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: 131.848+/-0.024 χ^2/NDF:1271689.7/19

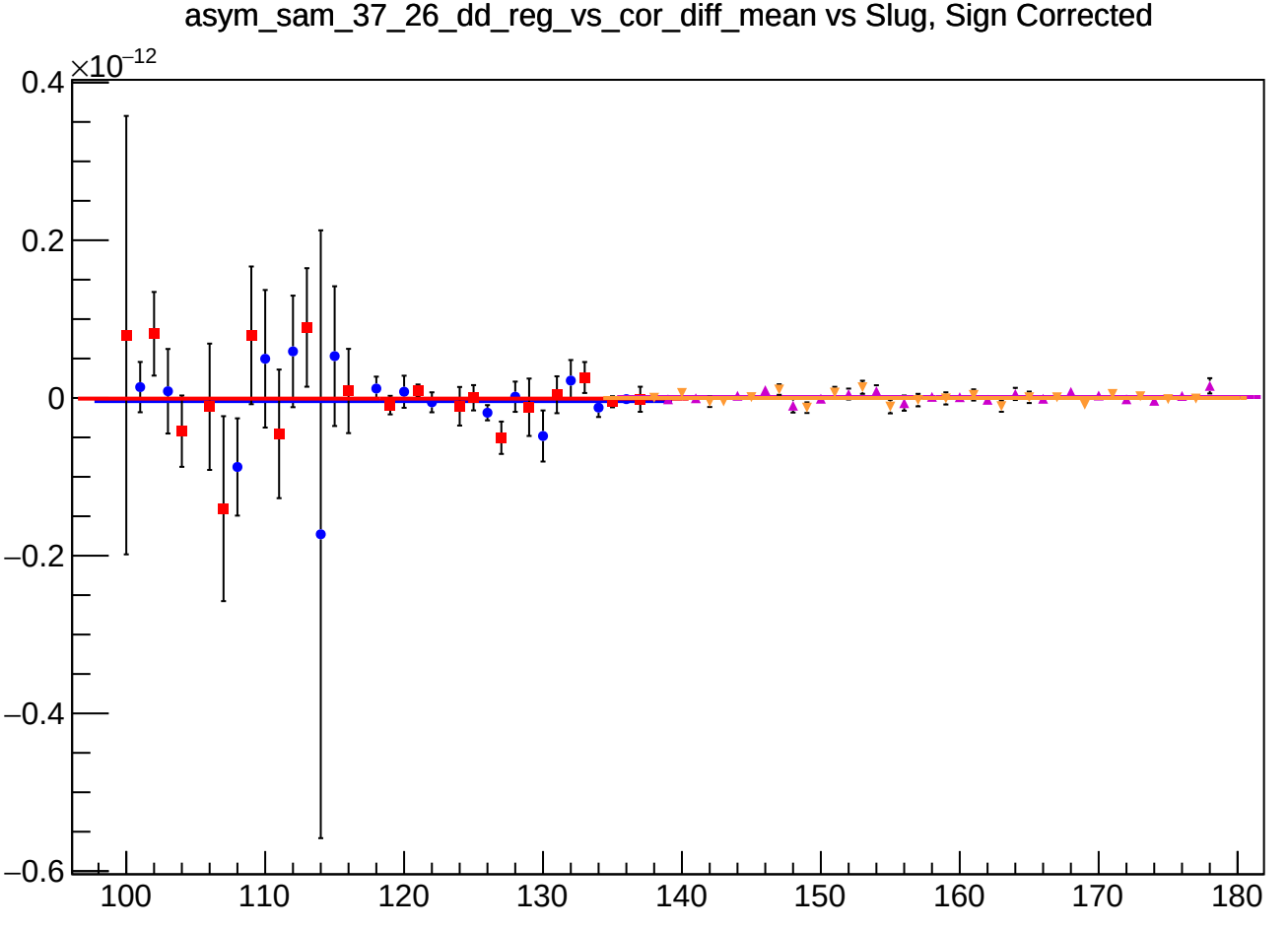
Left: 132.326+/-0.017 χ^2/NDF: 2798055.0/40

Right: 234.316+/-0.049 χ^2/NDF: 6408696.2/34

In: 142.597+/-0.022 χ^2/NDF:6082564.9/35

Out: 143.403+/-0.022 χ^2/NDF:7015528.5/39

All: 142.999+/-0.016 χ^2/NDF: 13098741.5/75



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:13.3/19

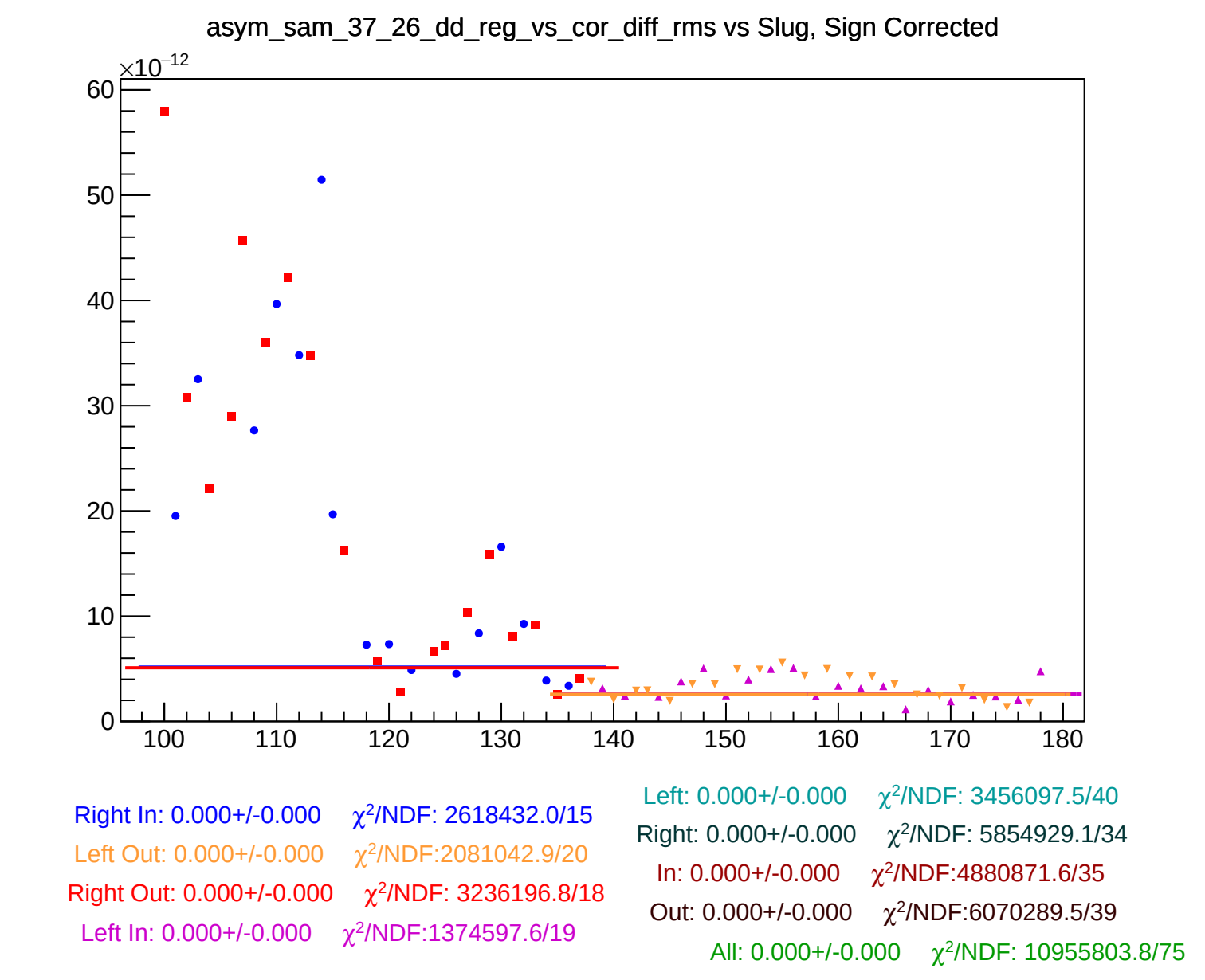
Left: 0.000+/-0.000 χ^2/NDF: 36.9/40

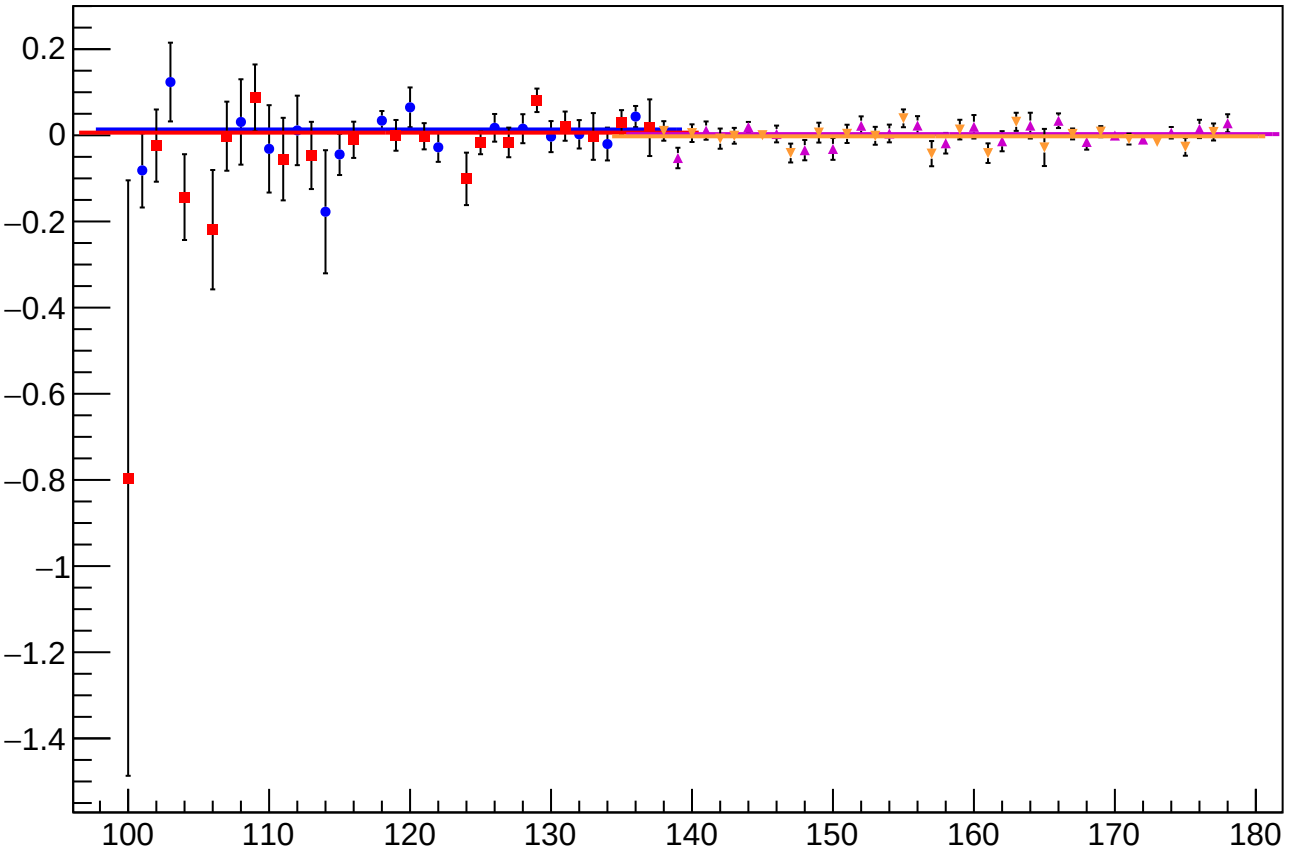
Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: 0.000+/-0.000 χ^2/NDF:26.5/35

Out: -0.000+/-0.000 χ^2/NDF:41.1/39

All: 0.000+/-0.000 χ^2/NDF: 67.9/75


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:1374597.6/19
Left: 0.000+/-0.000 χ²/NDF: 3456097.5/40
Right: 0.000+/-0.000 χ²/NDF: 5854929.1/34
In: 0.000+/-0.000 χ²/NDF:4880871.6/35
Out: 0.000+/-0.000 χ²/NDF:6070289.5/39
All: 0.000+/-0.000 χ²/NDF: 10955803.8/75



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: 0.003+/-0.004 χ^2/NDF:23.3/19

Left: 0.000+/-0.003 χ^2/NDF: 44.4/40

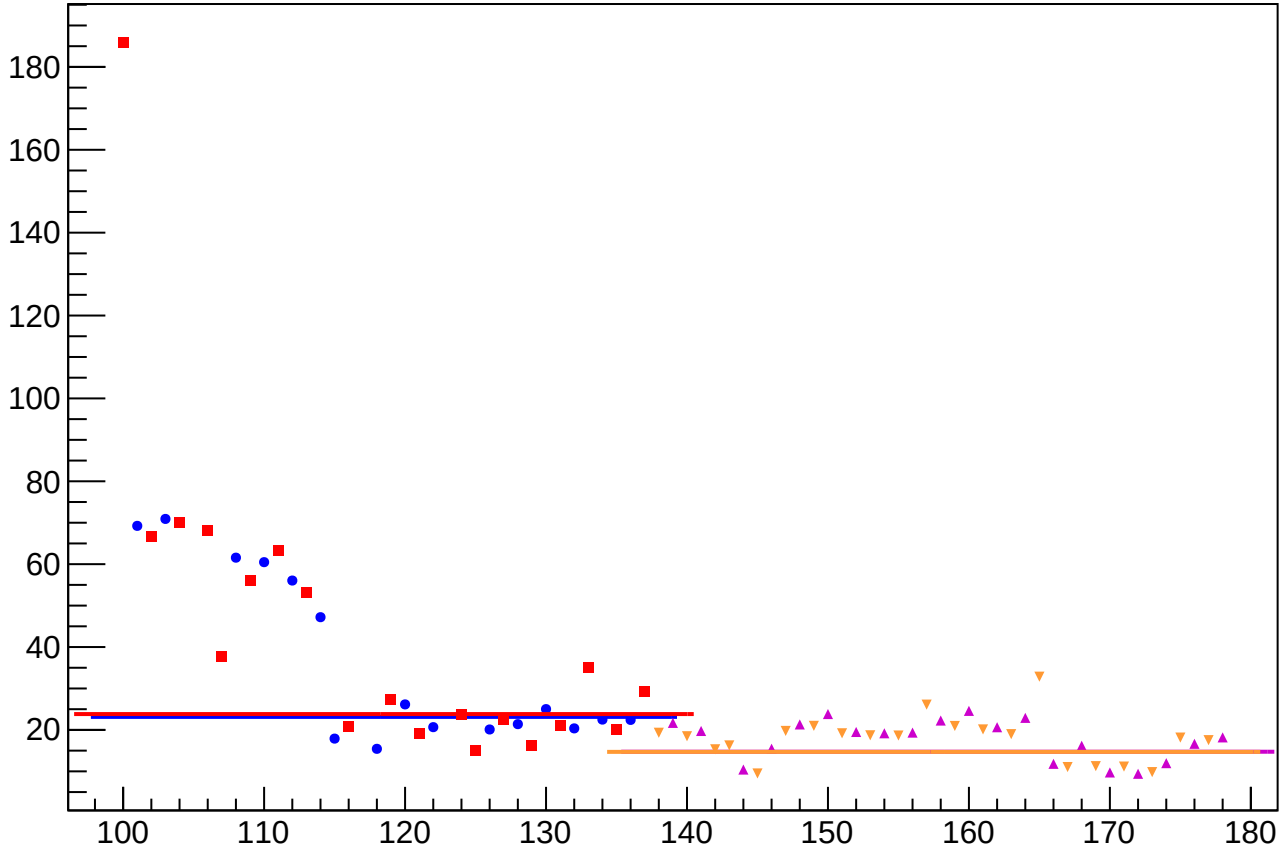
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.004+/-0.004 χ^2/NDF:36.7/35

Out: -0.001+/-0.004 χ^2/NDF:42.4/39

All: 0.001+/-0.003 χ^2/NDF: 80.2/75

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: 14.735+/-0.003 χ^2/NDF:3127098.9/19

Left: 14.719+/-0.002 χ^2/NDF: 6151832.5/40

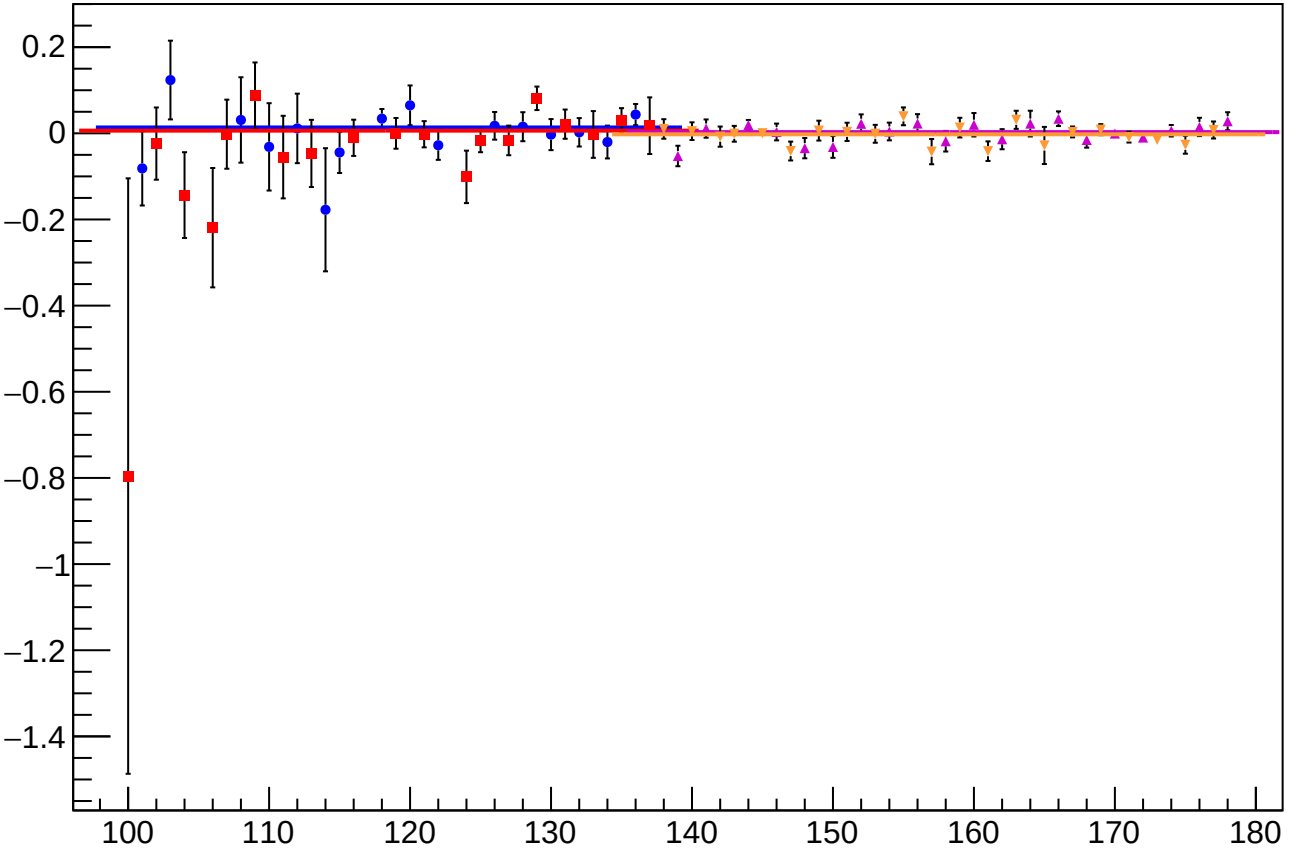
Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 15.908+/-0.003 χ^2/NDF:6788967.9/35

Out: 15.876+/-0.003 χ^2/NDF:7354484.5/39

All: 15.892+/-0.002 χ^2/NDF: 14143532.6/75

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.002+/-0.004 χ^2/NDF:20.3/20

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.003+/-0.004 χ^2/NDF:23.3/19

Left: 0.000+/-0.003 χ^2/NDF: 44.4/40

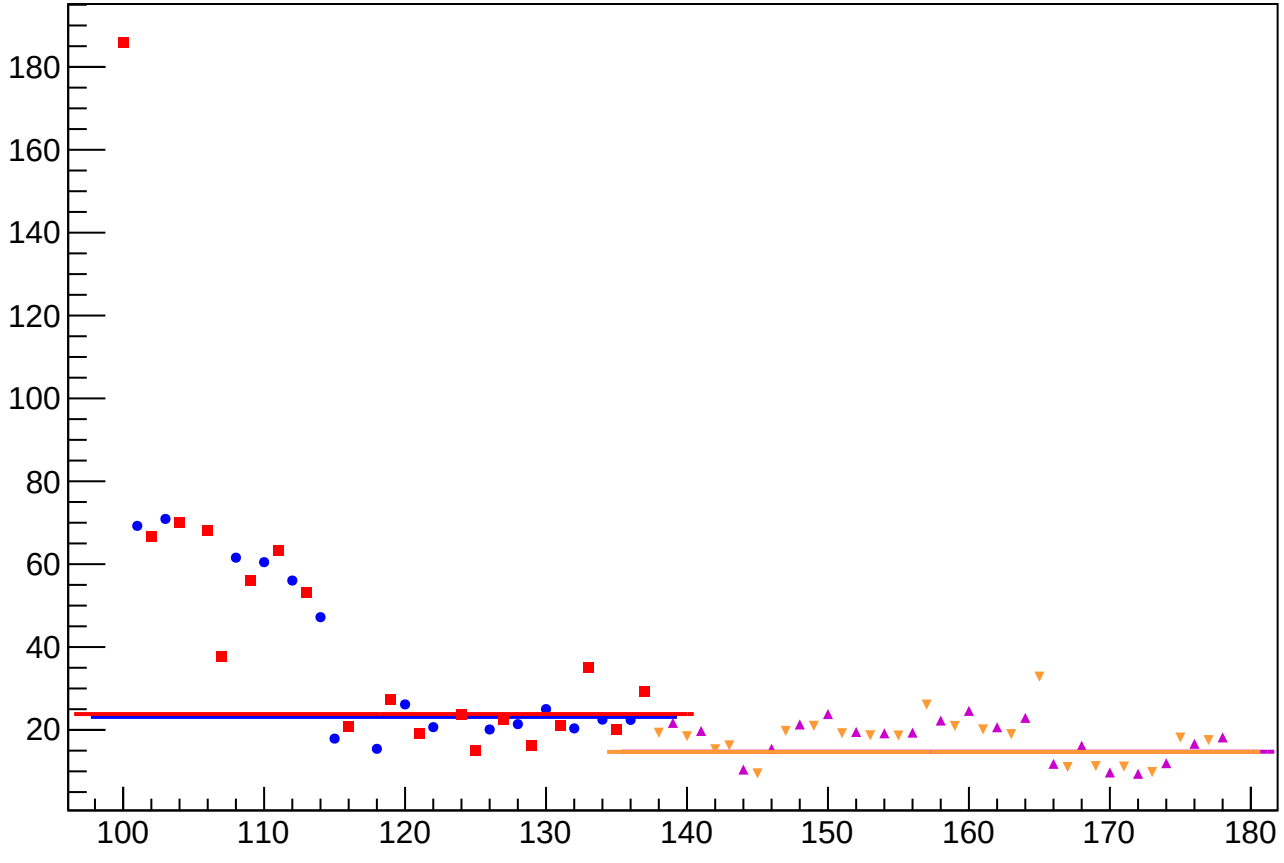
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.004+/-0.004 χ^2/NDF:36.7/35

Out: -0.001+/-0.004 χ^2/NDF:42.4/39

All: 0.001+/-0.003 χ^2/NDF: 80.2/75

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: 14.735+/-0.003 χ^2/NDF:3127098.9/19

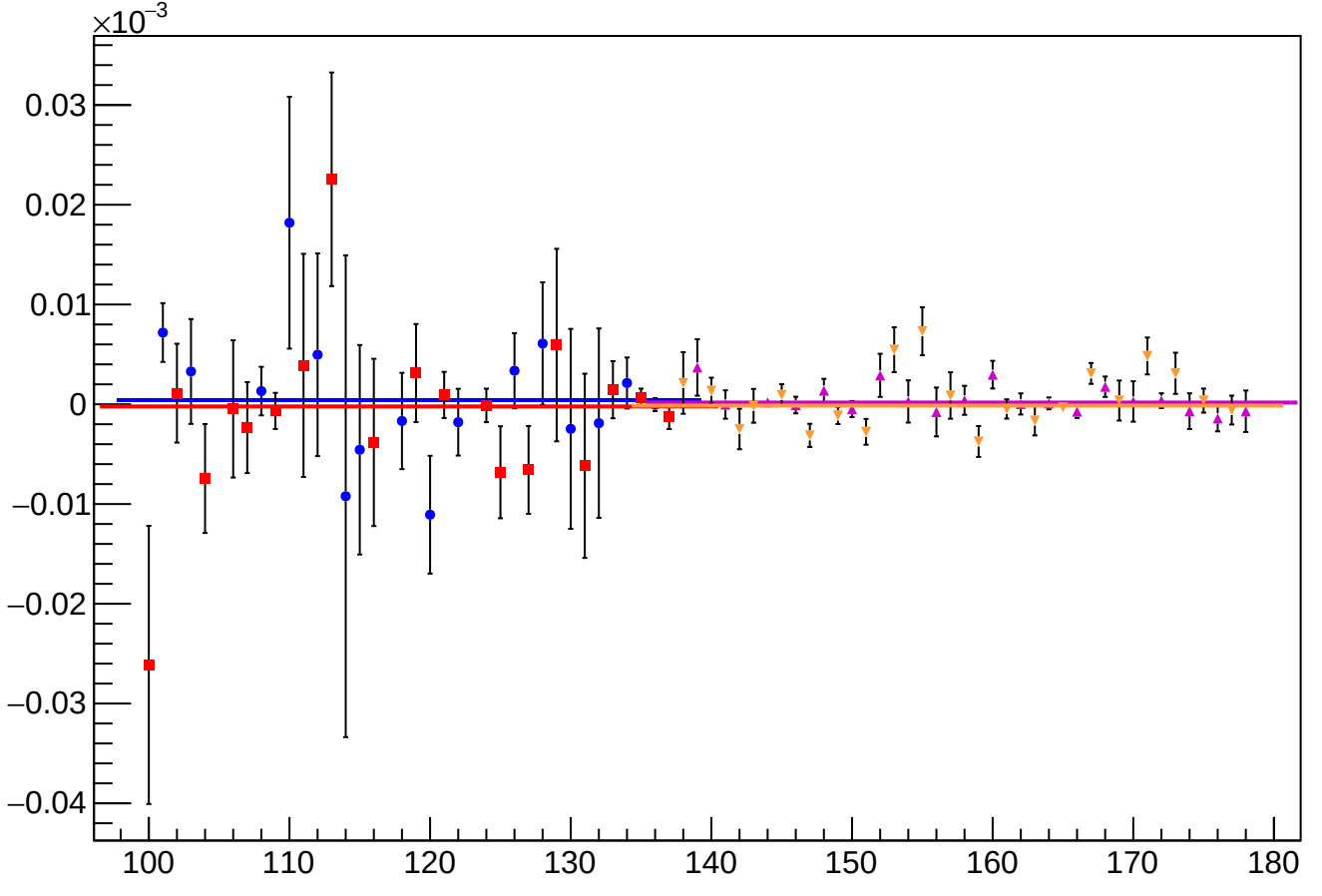
Left: 14.719+/-0.002 χ^2/NDF: 6151832.5/40

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 15.908+/-0.003 χ^2/NDF:6788967.9/35

Out: 15.876+/-0.003 χ^2/NDF:7354484.5/39

All: 15.892+/-0.002 χ^2/NDF: 14143532.6/75



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:15.6/19

Left: 0.000+/-0.000 χ^2/NDF: 75.4/40

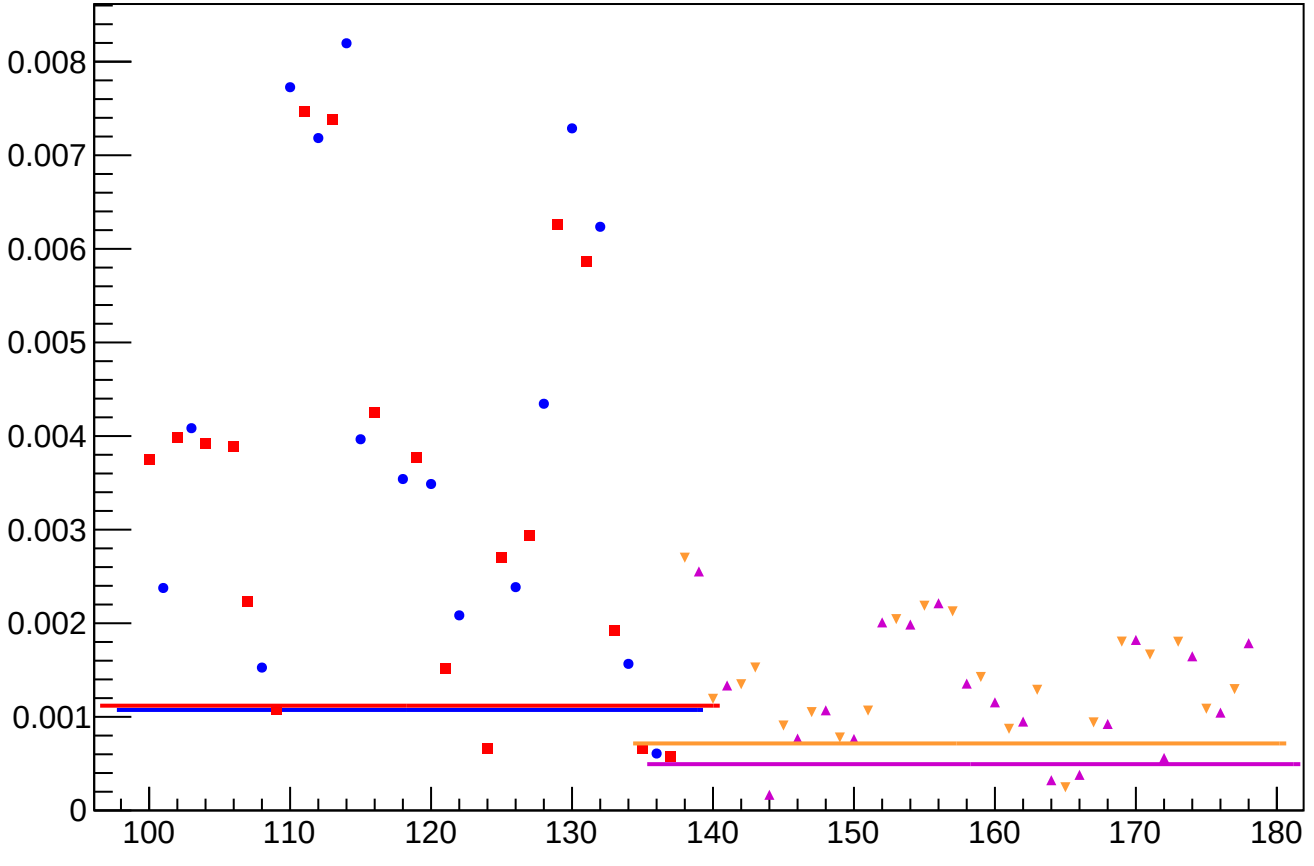
Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: 0.000+/-0.000 χ^2/NDF:31.0/35

Out: -0.000+/-0.000 χ^2/NDF:76.5/39

All: 0.000+/-0.000 χ^2/NDF: 109.1/75

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:13898561.2/19

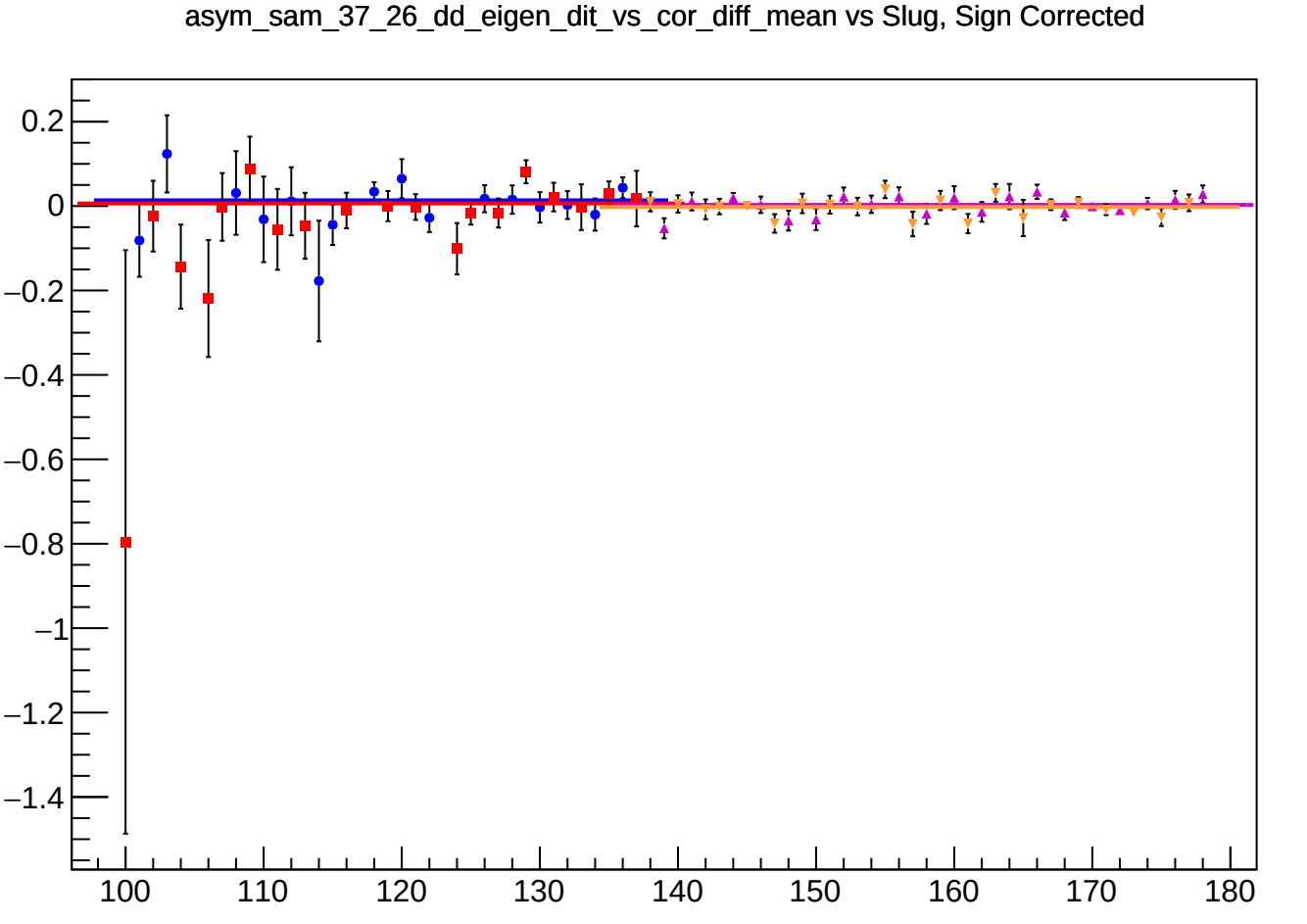
Left: 0.001+/-0.000 χ^2/NDF: 26838158.5/40

Right: 0.001+/-0.000 χ^2/NDF: 13848160.8/34

In: 0.001+/-0.000 χ^2/NDF:22879676.0/35

Out: 0.001+/-0.000 χ^2/NDF:19400219.6/39

All: 0.001+/-0.000 χ^2/NDF: 43660801.6/75



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: 0.003+/-0.004 χ^2/NDF:23.3/19

Left: 0.000+/-0.003 χ^2/NDF: 44.4/40

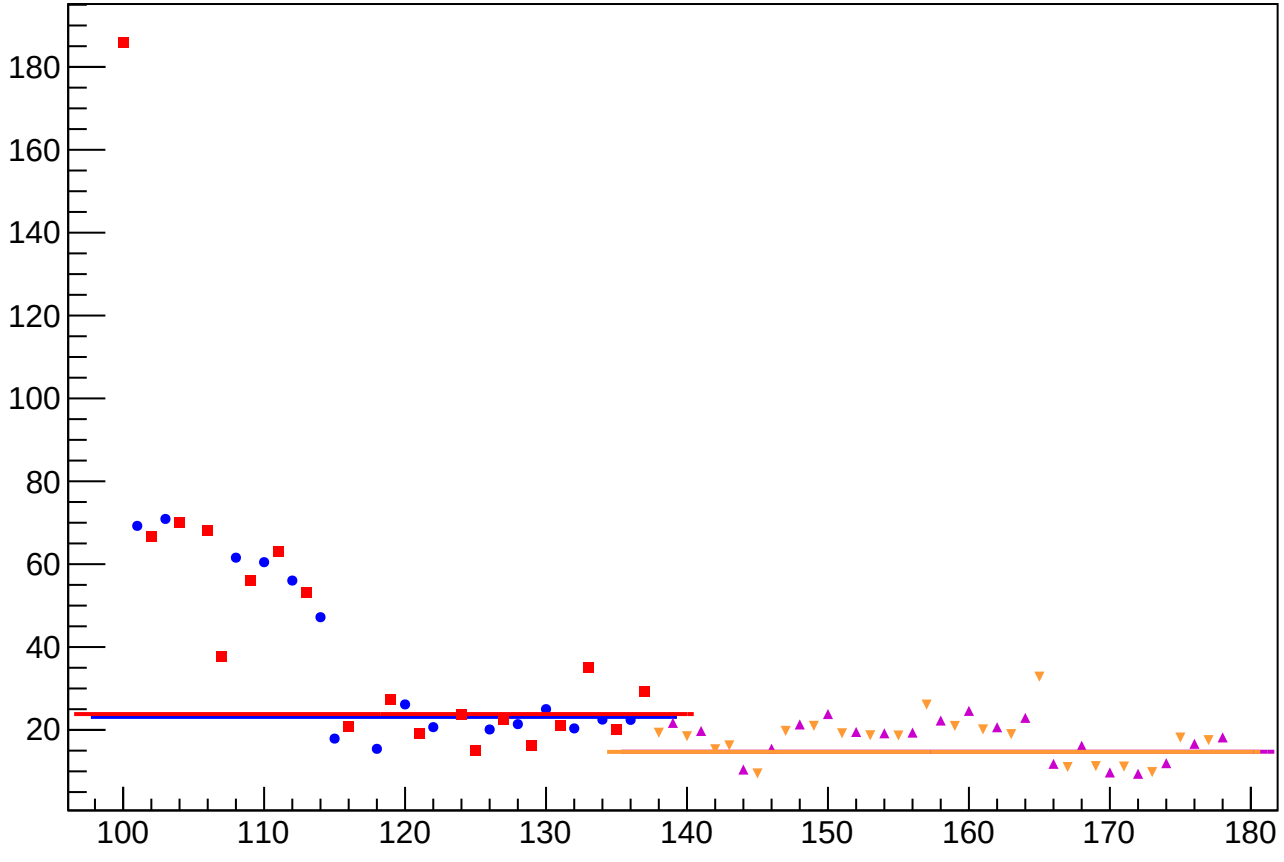
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.004+/-0.004 χ^2/NDF:36.7/35

Out: -0.001+/-0.004 χ^2/NDF:42.4/39

All: 0.001+/-0.003 χ^2/NDF: 80.2/75

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: 14.736+/-0.003 χ^2/NDF:3127109.3/19

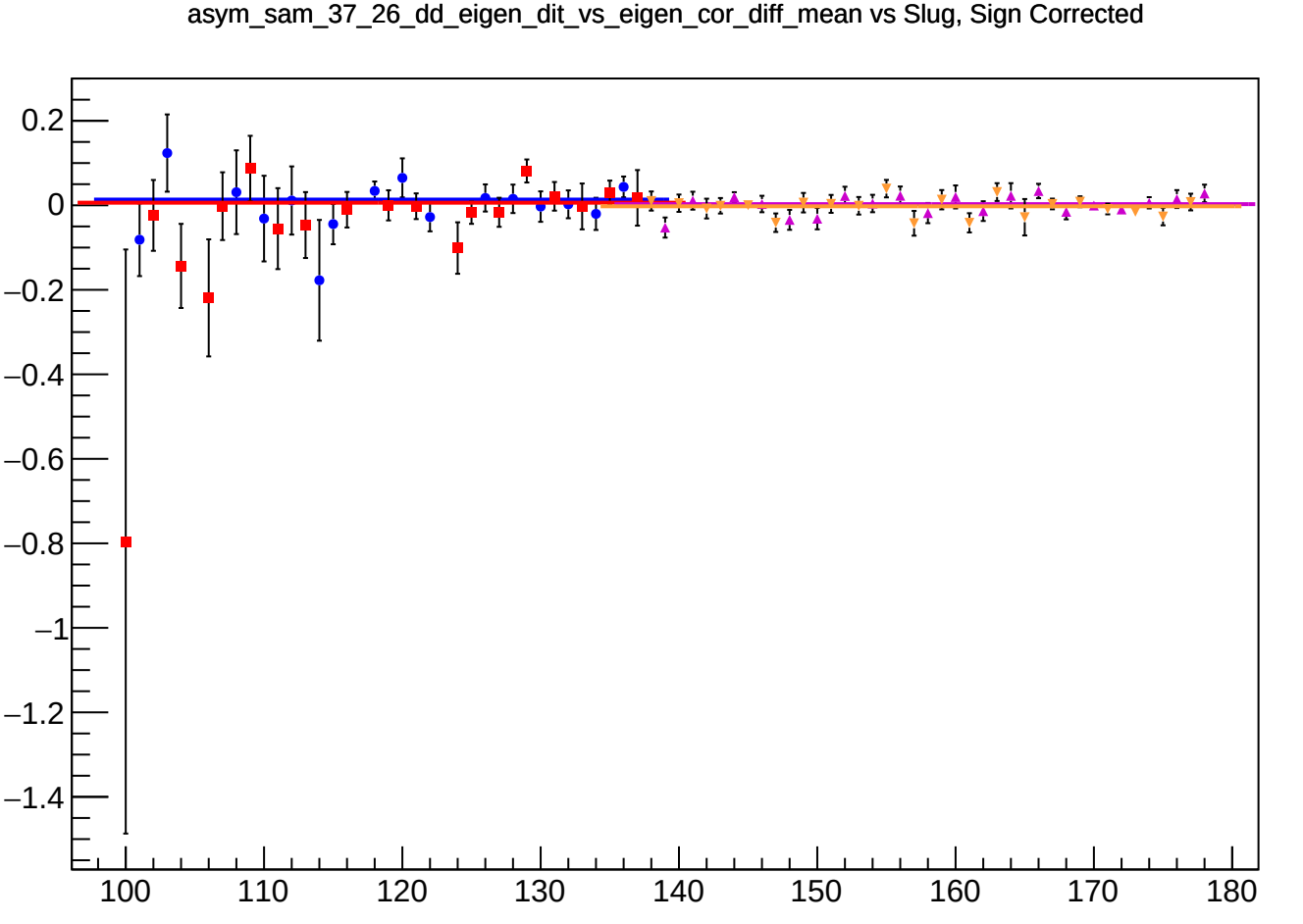
Left: 14.719+/-0.002 χ^2/NDF: 6151961.0/40

Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 15.908+/-0.003 χ^2/NDF:6788704.3/35

Out: 15.876+/-0.003 χ^2/NDF:7354413.3/39

All: 15.892+/-0.002 χ^2/NDF: 14143197.7/75



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: 0.003+/-0.004 χ^2/NDF:23.3/19

Left: 0.000+/-0.003 χ^2/NDF: 44.4/40

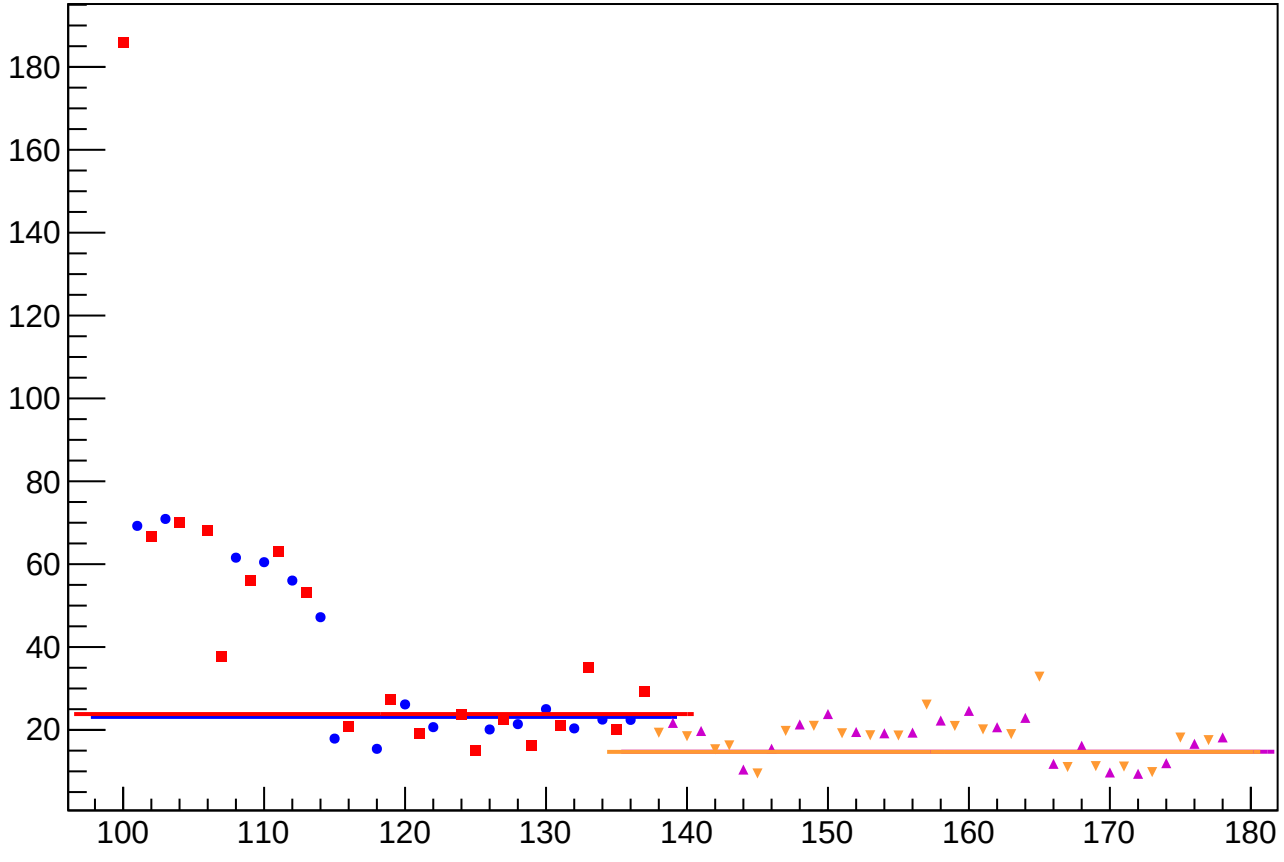
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.004+/-0.004 χ^2/NDF:36.7/35

Out: -0.001+/-0.004 χ^2/NDF:42.4/39

All: 0.001+/-0.003 χ^2/NDF: 80.2/75

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: 14.736+/-0.003 χ^2/NDF:3127109.3/19

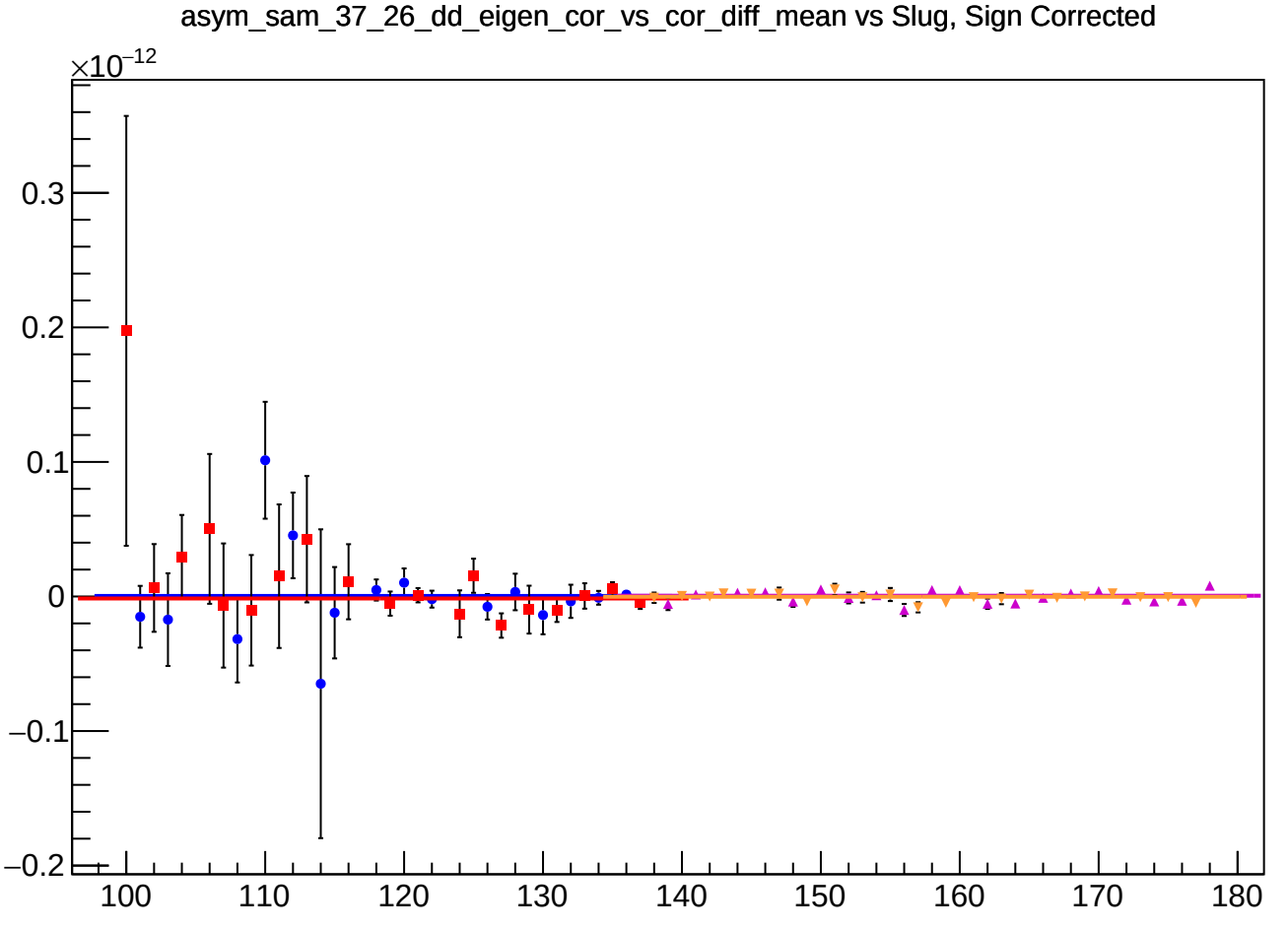
Left: 14.719+/-0.002 χ^2/NDF: 6151961.0/40

Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 15.908+/-0.003 χ^2/NDF:6788704.3/35

Out: 15.876+/-0.003 χ^2/NDF:7354413.3/39

All: 15.892+/-0.002 χ^2/NDF: 14143197.7/75



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:38.4/19

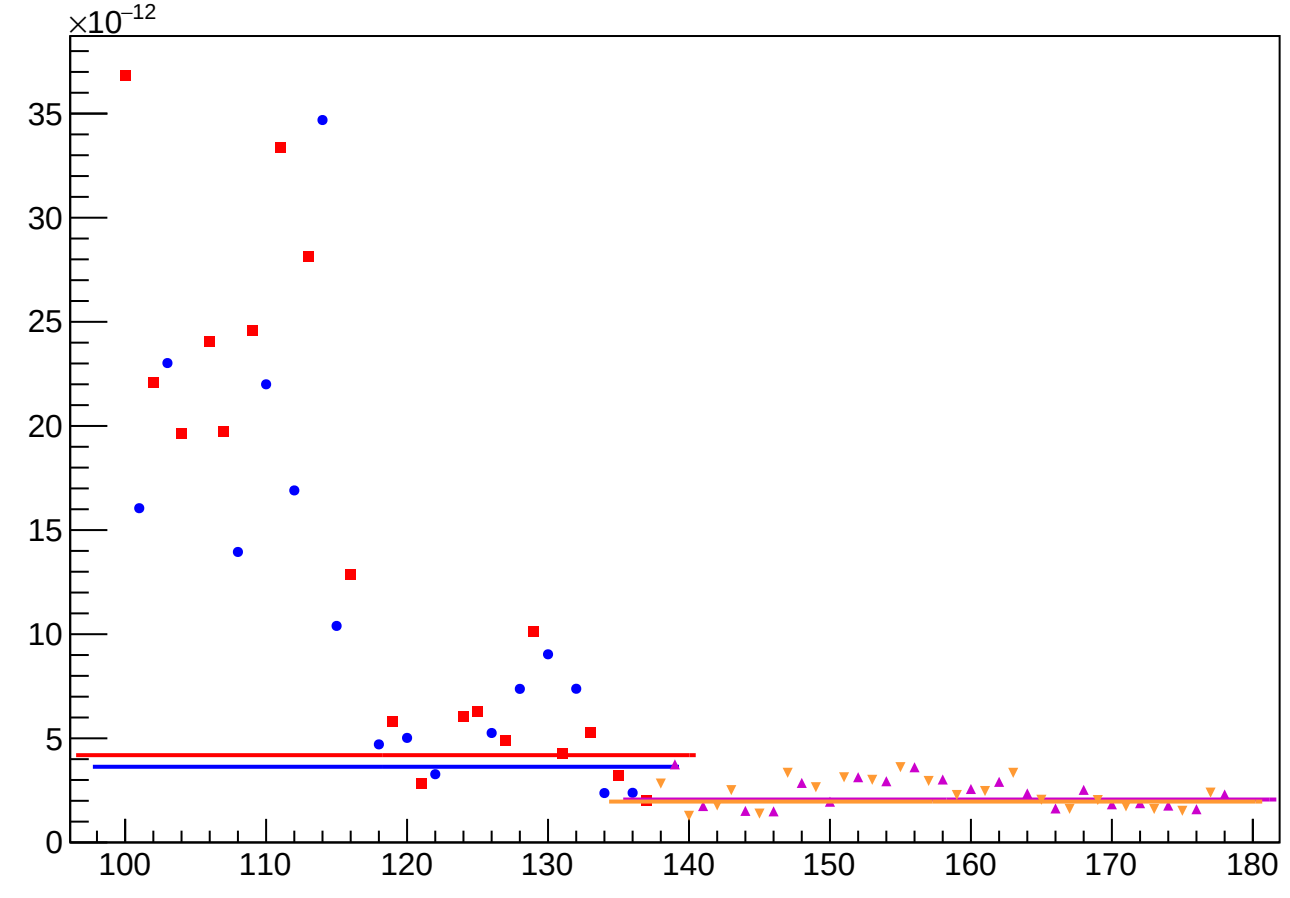
Left: 0.000+/-0.000 χ^2/NDF: 55.2/40

Right: -0.000+/-0.000 χ^2/NDF: 28.9/34

In: 0.000+/-0.000 χ^2/NDF:51.4/35

Out: -0.000+/-0.000 χ^2/NDF:31.8/39

All: 0.000+/-0.000 χ^2/NDF: 84.2/75



Right In: 0.000+/-0.000 χ^2/NDF: 3590314.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2182929.0/20

Right Out: 0.000+/-0.000 χ^2/NDF: 4454808.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1749504.6/19

Left: 0.000+/-0.000 χ^2/NDF: 3957827.3/40

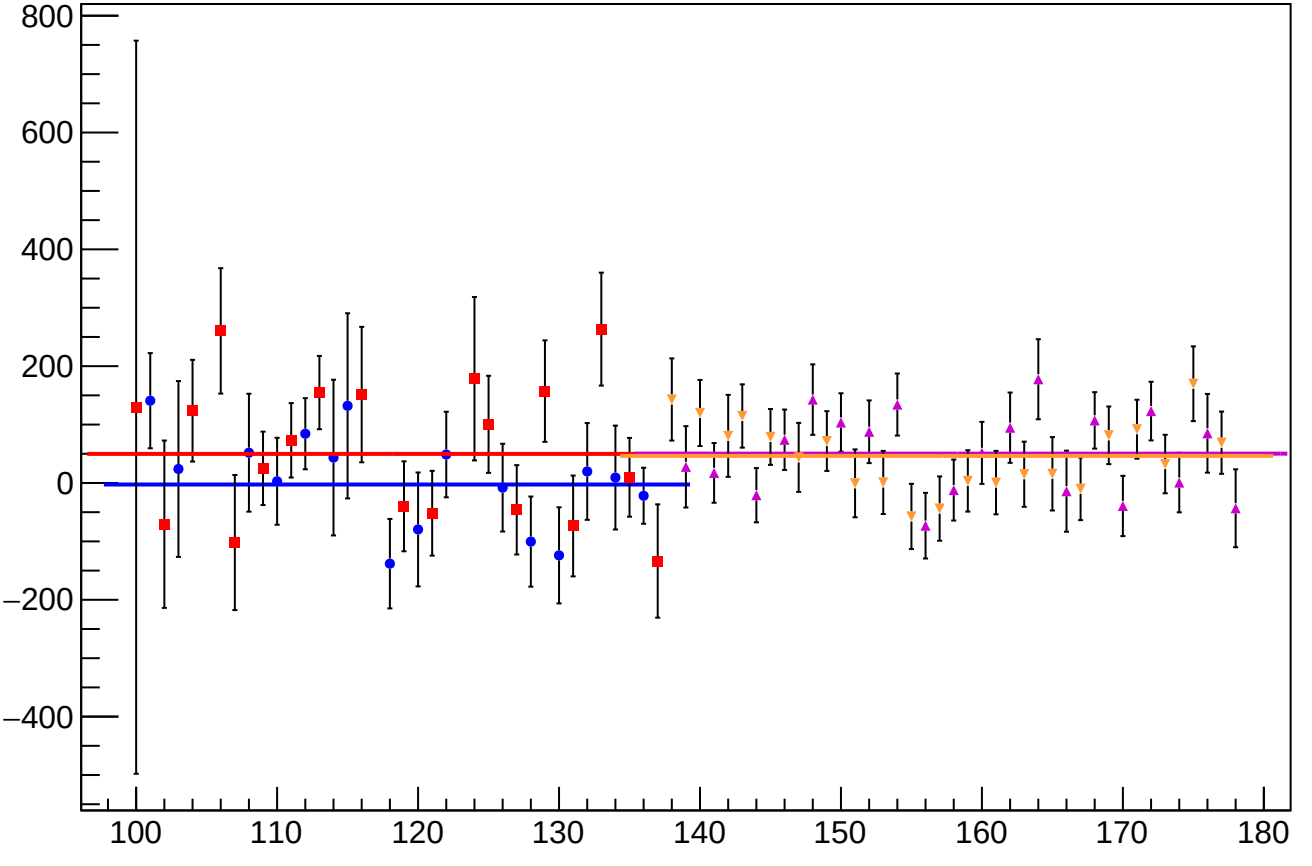
Right: 0.000+/-0.000 χ^2/NDF: 8108622.5/34

In: 0.000+/-0.000 χ^2/NDF:6409614.2/35

Out: 0.000+/-0.000 χ^2/NDF:8315626.1/39

All: 0.000+/-0.000 χ^2/NDF: 14752138.5/75

reg_asym_sam_1357_avg_mean vs Slug, Sign Corrected



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: 50.238+/-12.338 χ^2/NDF:30.3/19

Left: 48.259+/-8.624 χ^2/NDF: 52.3/40

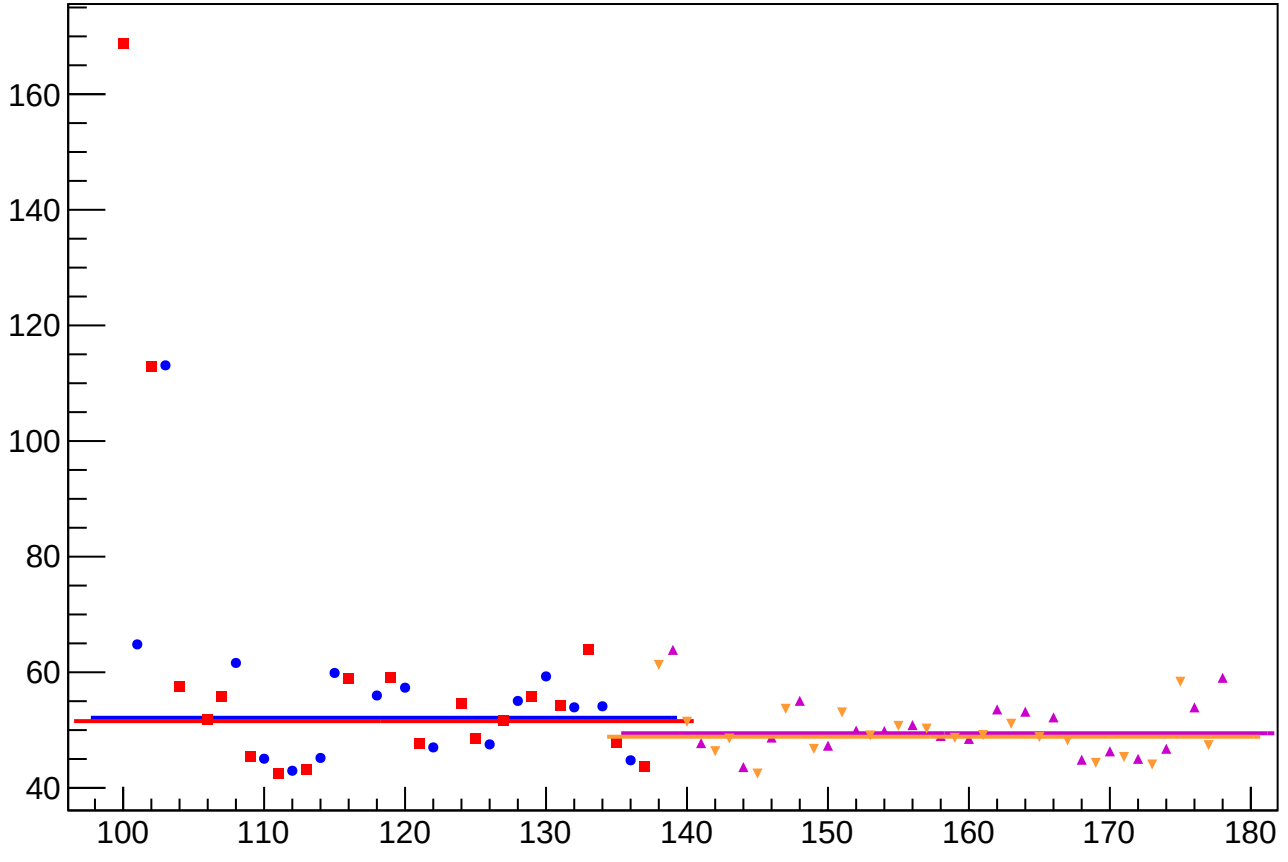
Right: 24.091+/-14.004 χ^2/NDF: 47.4/34

In: 35.663+/-10.500 χ^2/NDF:50.0/35

Out: 47.312+/-10.275 χ^2/NDF:51.3/39

All: 41.613+/-7.344 χ^2/NDF: 101.9/75

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 48.855+/-0.009 χ^2/NDF:229674.7/20

Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 49.450+/-0.009 χ^2/NDF:258621.2/19

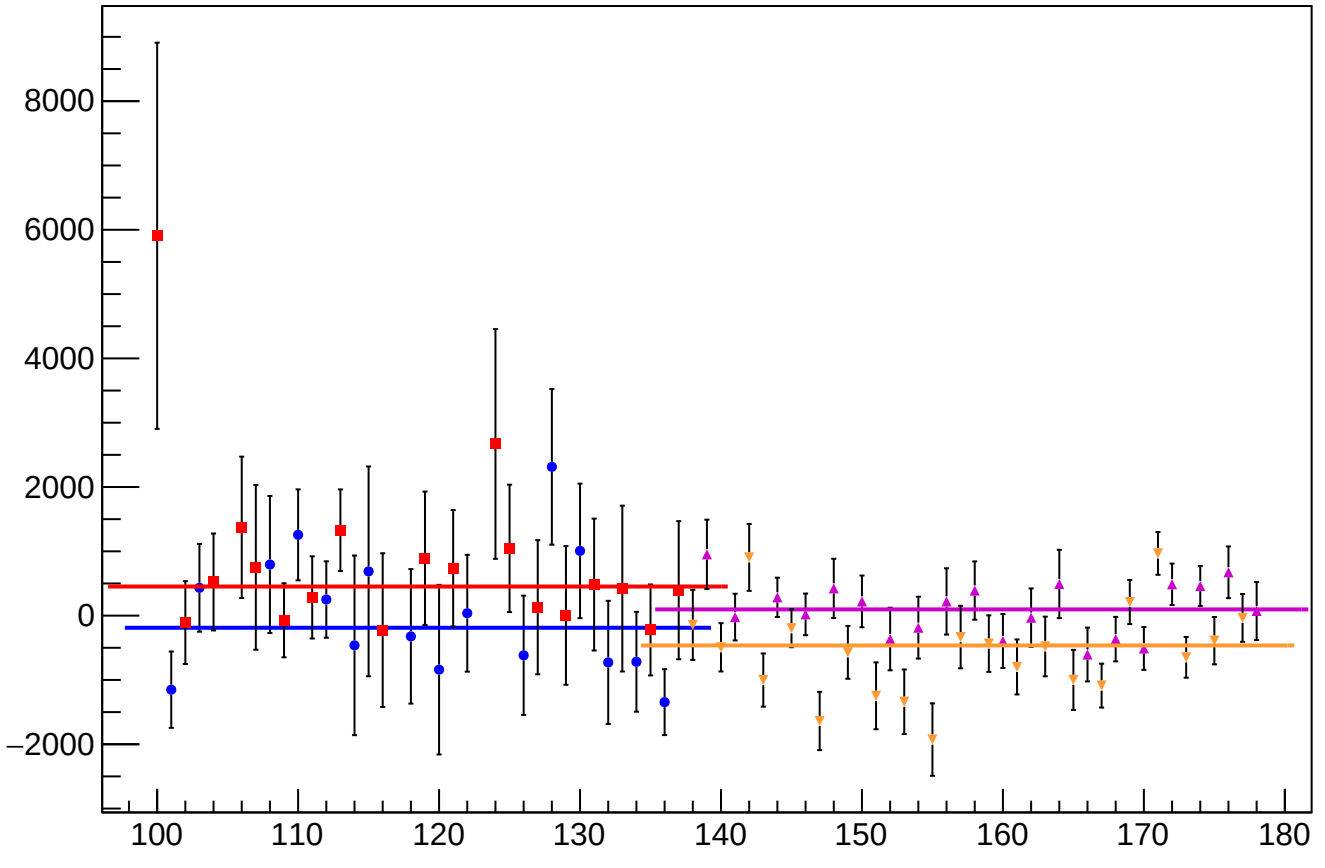
Left: 49.146+/-0.006 χ^2/NDF: 490678.6/40

Right: 51.834+/-0.010 χ^2/NDF: 1203336.1/34

In: 50.189+/-0.007 χ^2/NDF:847529.1/35

Out: 49.594+/-0.007 χ^2/NDF:896628.0/39

All: 49.885+/-0.005 χ^2/NDF: 1747438.3/75



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: 96.741+/-88.529 χ^2/NDF:20.2/19

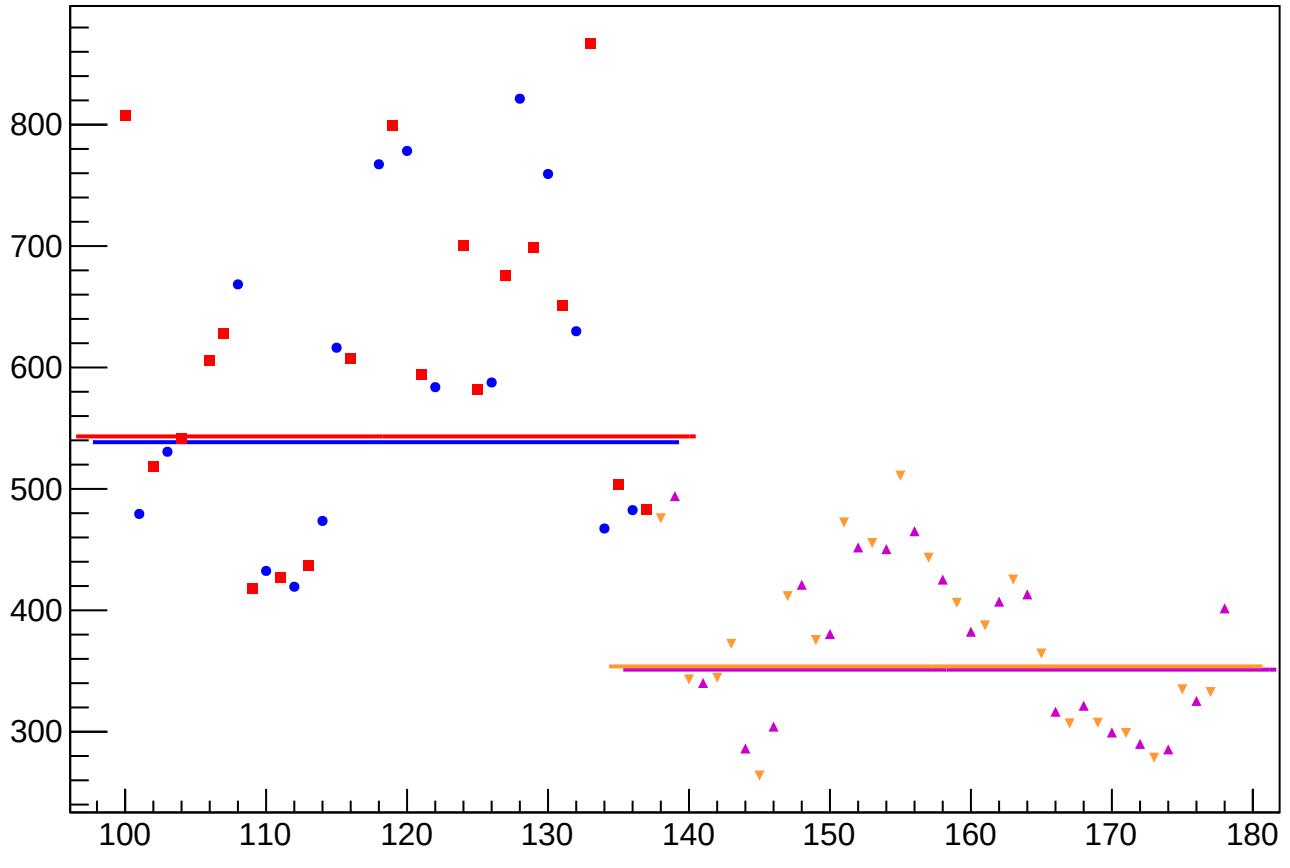
Left: -183.776+/-62.547 χ^2/NDF: 98.4/40

Right: 134.950+/-144.856 χ^2/NDF: 37.6/34

In: 52.195+/-81.324 χ^2/NDF:43.2/35

Out: -318.515+/-81.092 χ^2/NDF:86.5/39

All: -133.691+/-57.423 χ^2/NDF: 140.1/75



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: 351.139+/-0.063 χ^2/NDF:993675.1/19

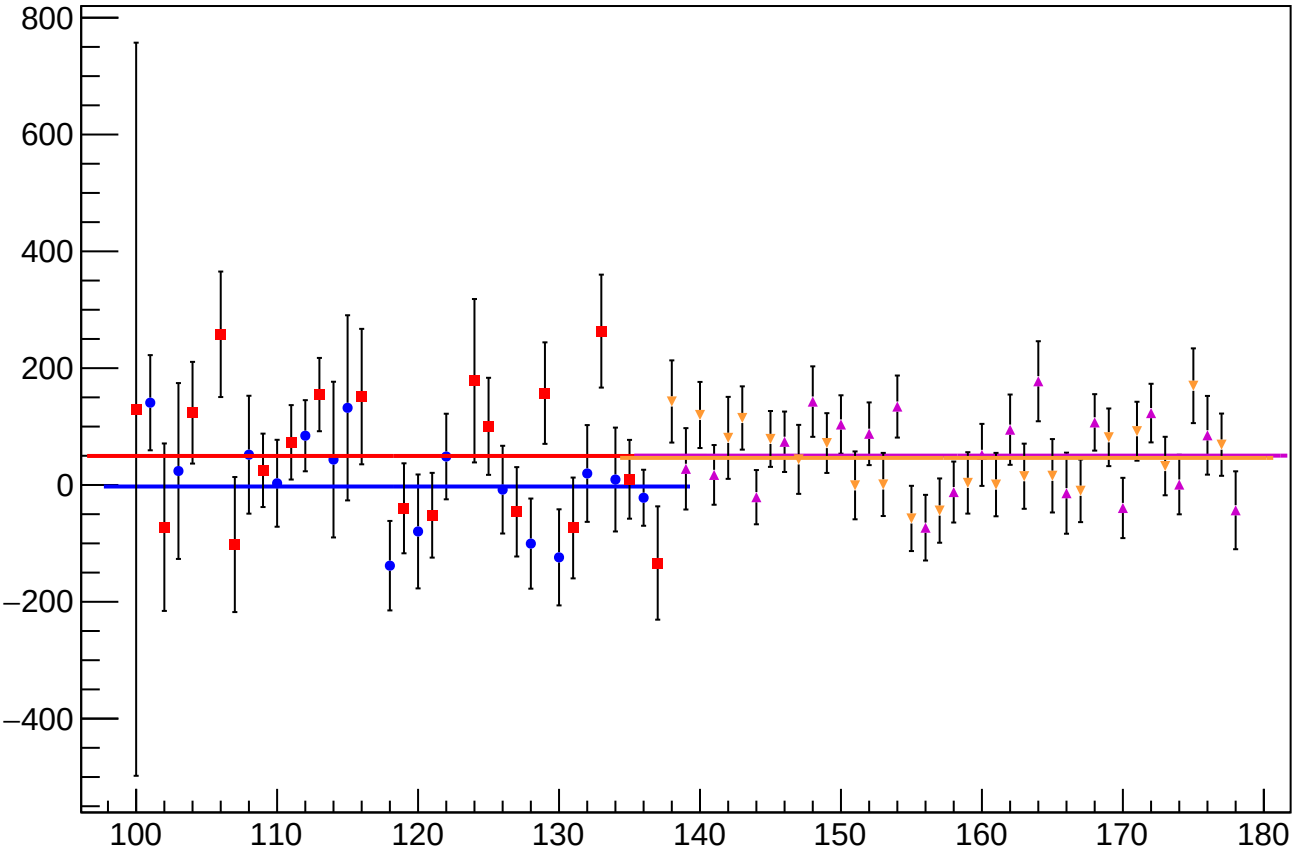
Left: 352.474+/-0.044 χ^2/NDF: 2077743.8/40

Right: 540.877+/-0.102 χ^2/NDF: 1251653.7/34

In: 380.388+/-0.058 χ^2/NDF:3005886.6/35

Out: 383.762+/-0.057 χ^2/NDF:3173358.4/39

All: 382.080+/-0.041 χ^2/NDF: 6180971.5/75



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: 50.237+/-12.338 χ^2/NDF:30.3/19

Left: 48.259+/-8.624 χ^2/NDF: 52.3/40

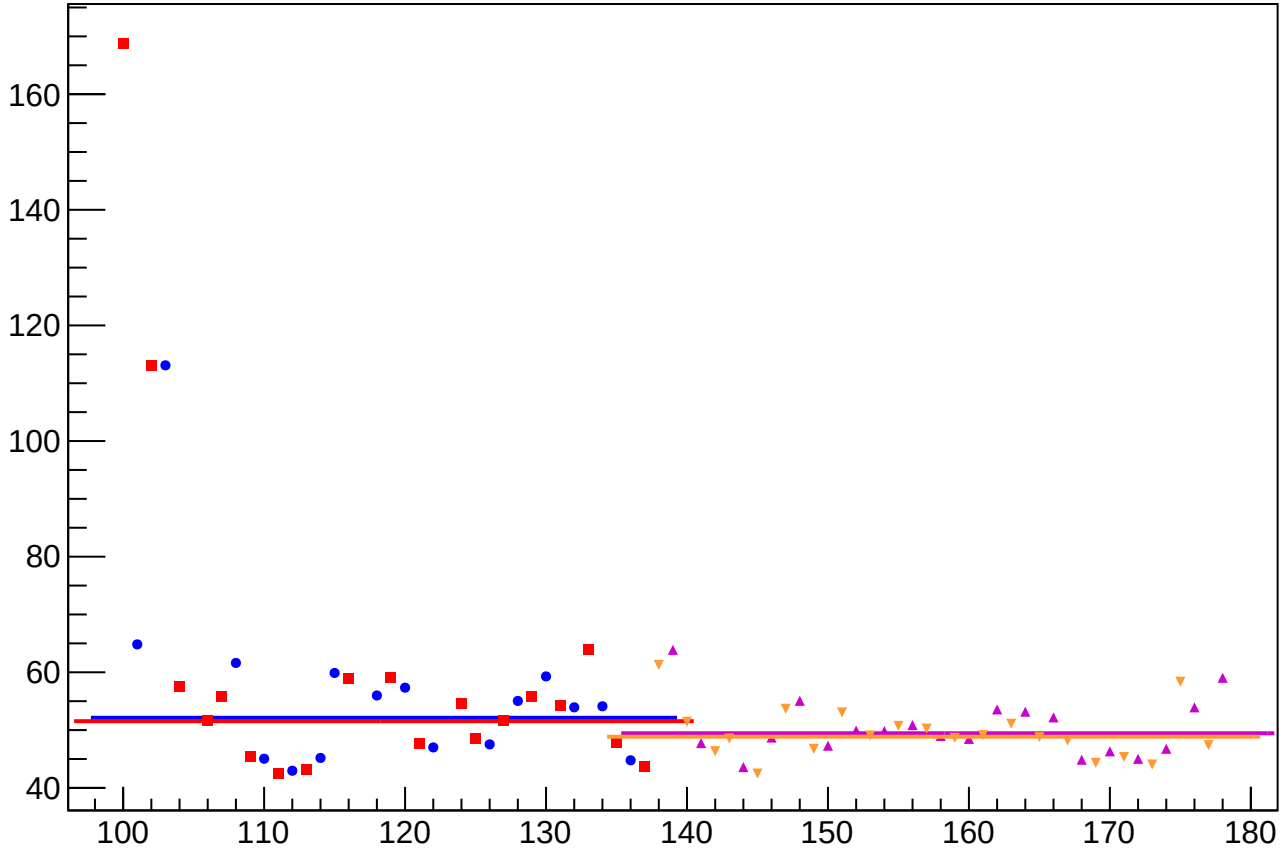
Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 35.662+/-10.500 χ^2/NDF:50.0/35

Out: 47.281+/-10.275 χ^2/NDF:51.2/39

All: 41.597+/-7.344 χ^2/NDF: 101.9/75

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: 49.450+/-0.009 χ^2/NDF:258621.2/19

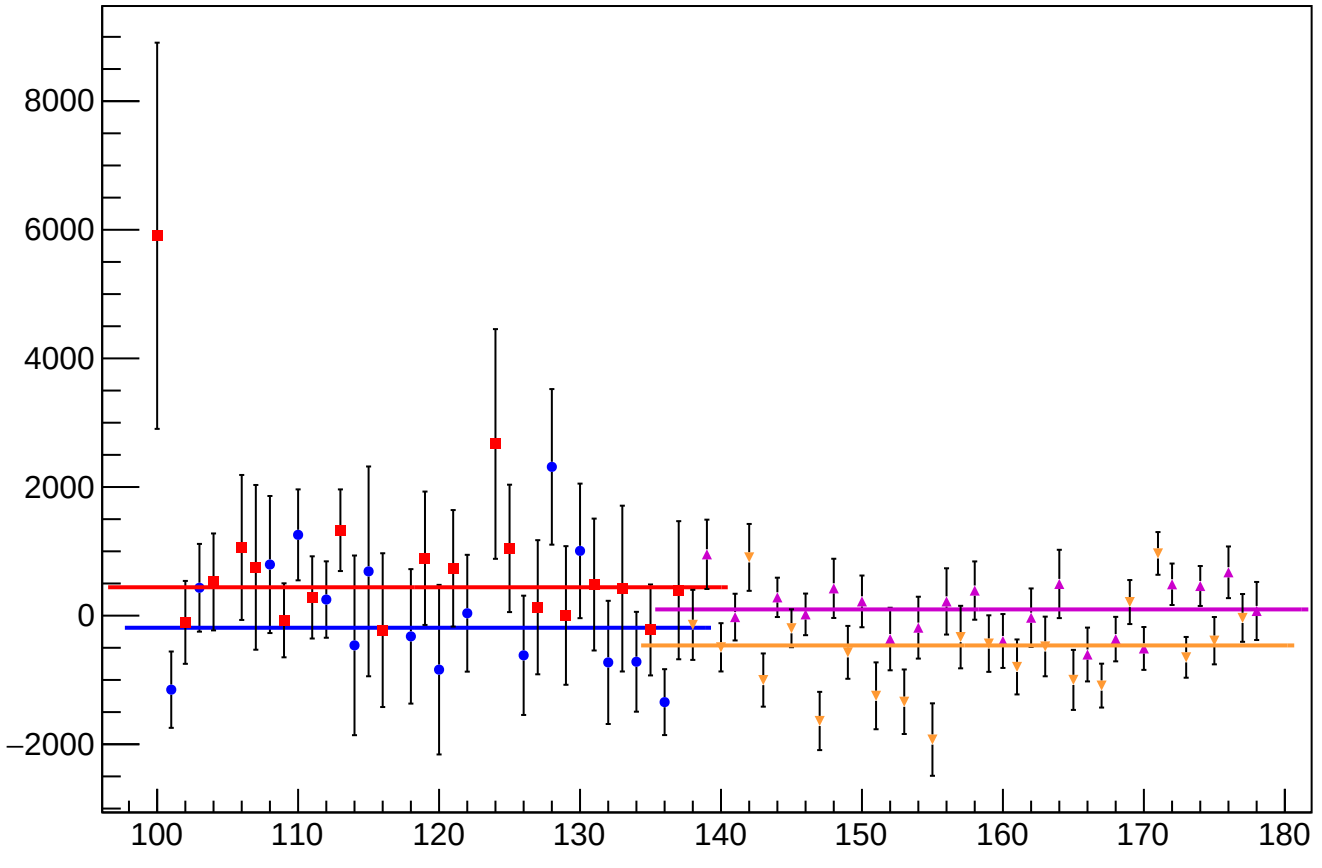
Left: 49.146+/-0.006 χ^2/NDF: 490678.6/40

Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.189+/-0.007 χ^2/NDF:847531.3/35

Out: 49.591+/-0.007 χ^2/NDF:896637.8/39

All: 49.883+/-0.005 χ^2/NDF: 1747481.8/75



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: 96.742+/-88.529 χ^2/NDF:20.2/19

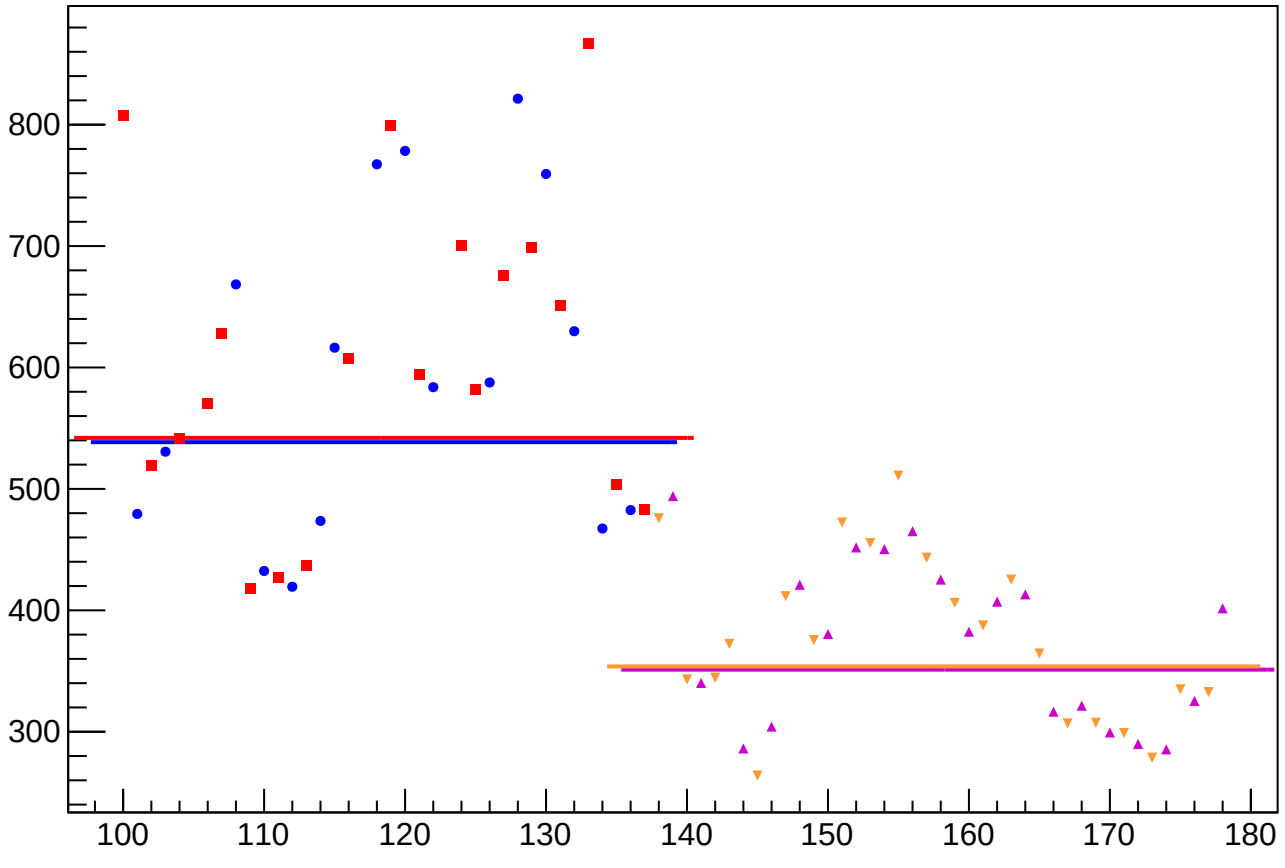
Left: -183.775+/-62.547 χ^2/NDF: 98.4/40

Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 52.200+/-81.324 χ^2/NDF:43.2/35

Out: -320.539+/-81.104 χ^2/NDF:85.6/39

All: -134.676+/-57.427 χ^2/NDF: 139.3/75



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: 351.139+/-0.063 χ^2/NDF:993675.0/19

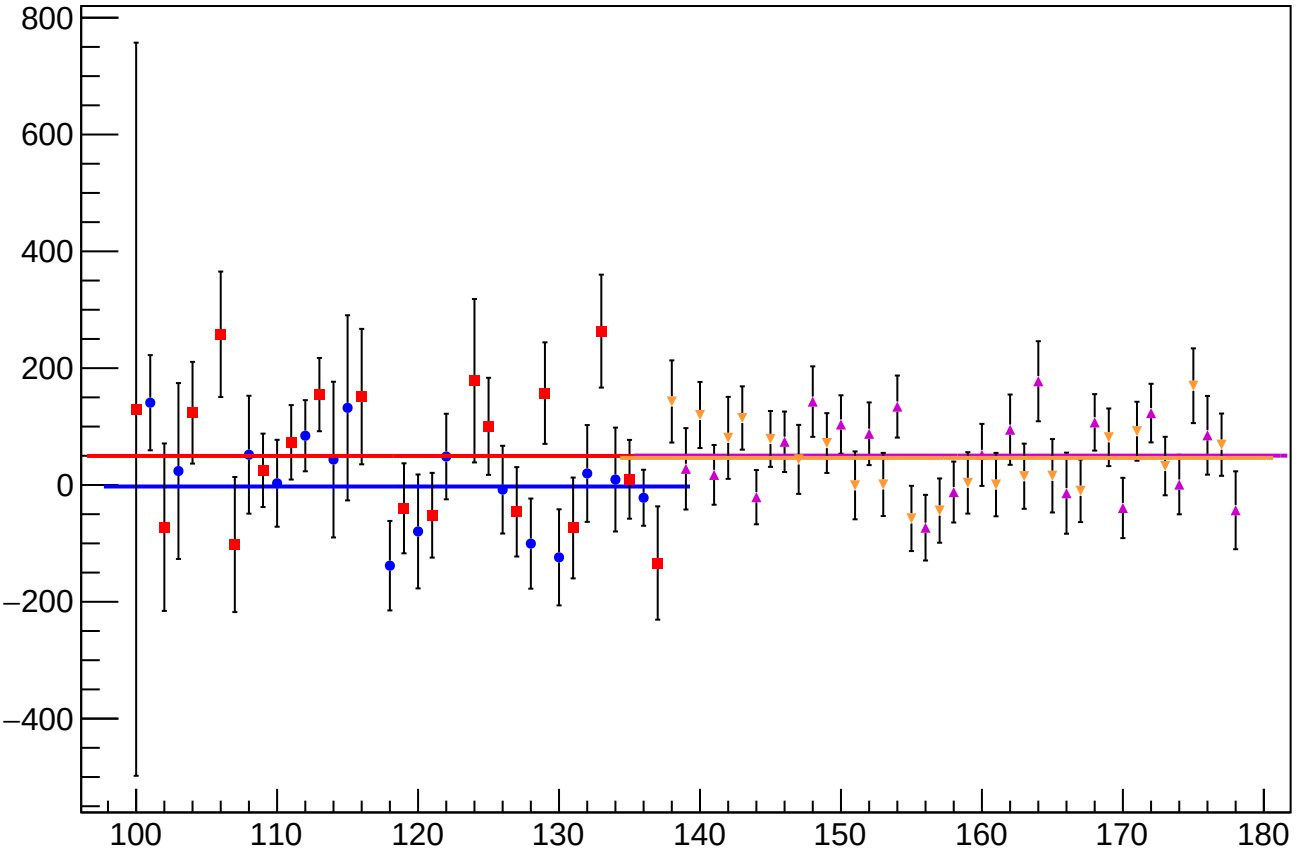
Left: 352.474+/-0.044 χ^2/NDF: 2077748.0/40

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 380.388+/-0.058 χ^2/NDF:3005938.6/35

Out: 383.522+/-0.057 χ^2/NDF:3146926.4/39

All: 381.959+/-0.041 χ^2/NDF: 6154354.1/75



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: 50.237+/-12.338 χ^2/NDF:30.3/19

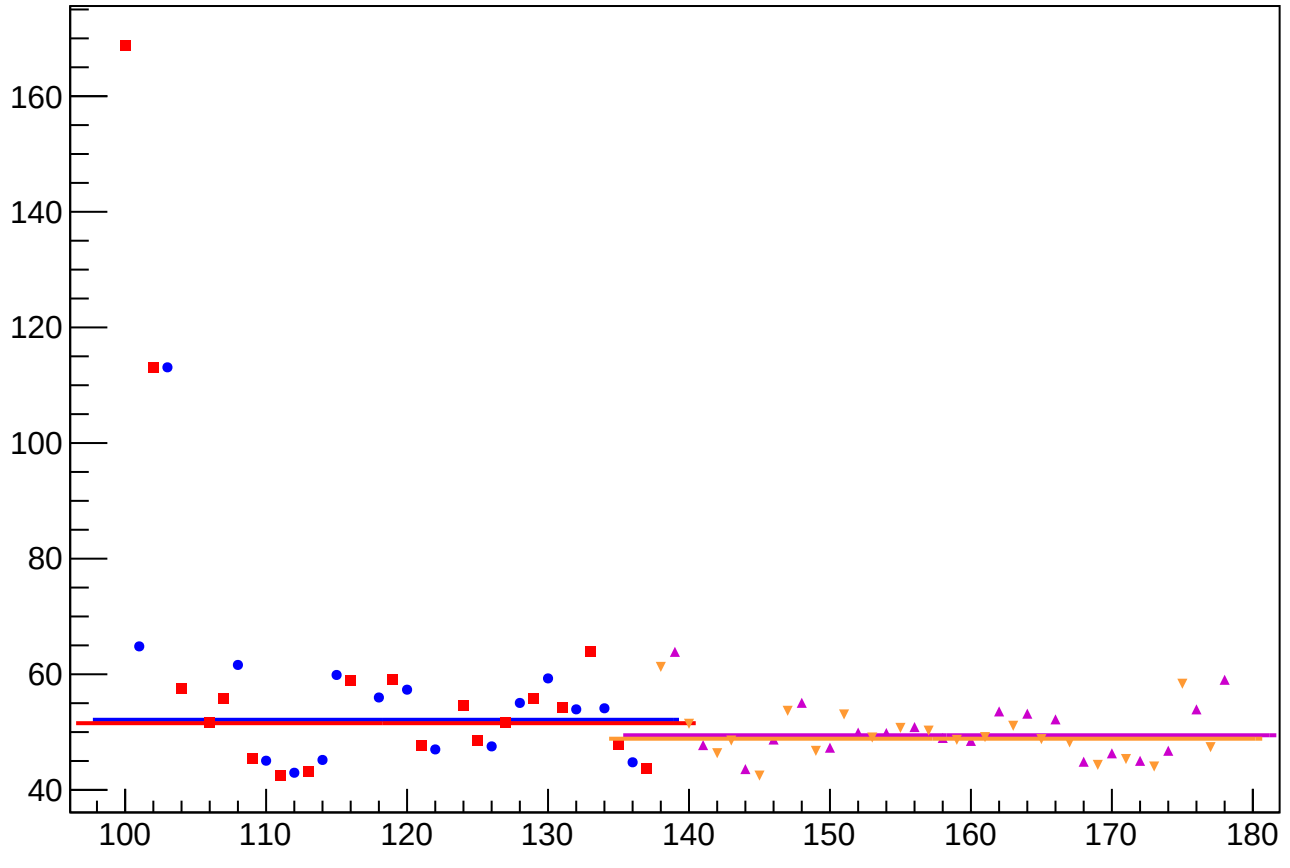
Left: 48.259+/-8.624 χ^2/NDF: 52.3/40

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 35.662+/-10.500 χ^2/NDF:50.0/35

Out: 47.281+/-10.275 χ^2/NDF:51.2/39

All: 41.597+/-7.344 χ^2/NDF: 101.9/75



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: 49.450+/-0.009 χ^2/NDF:258621.2/19

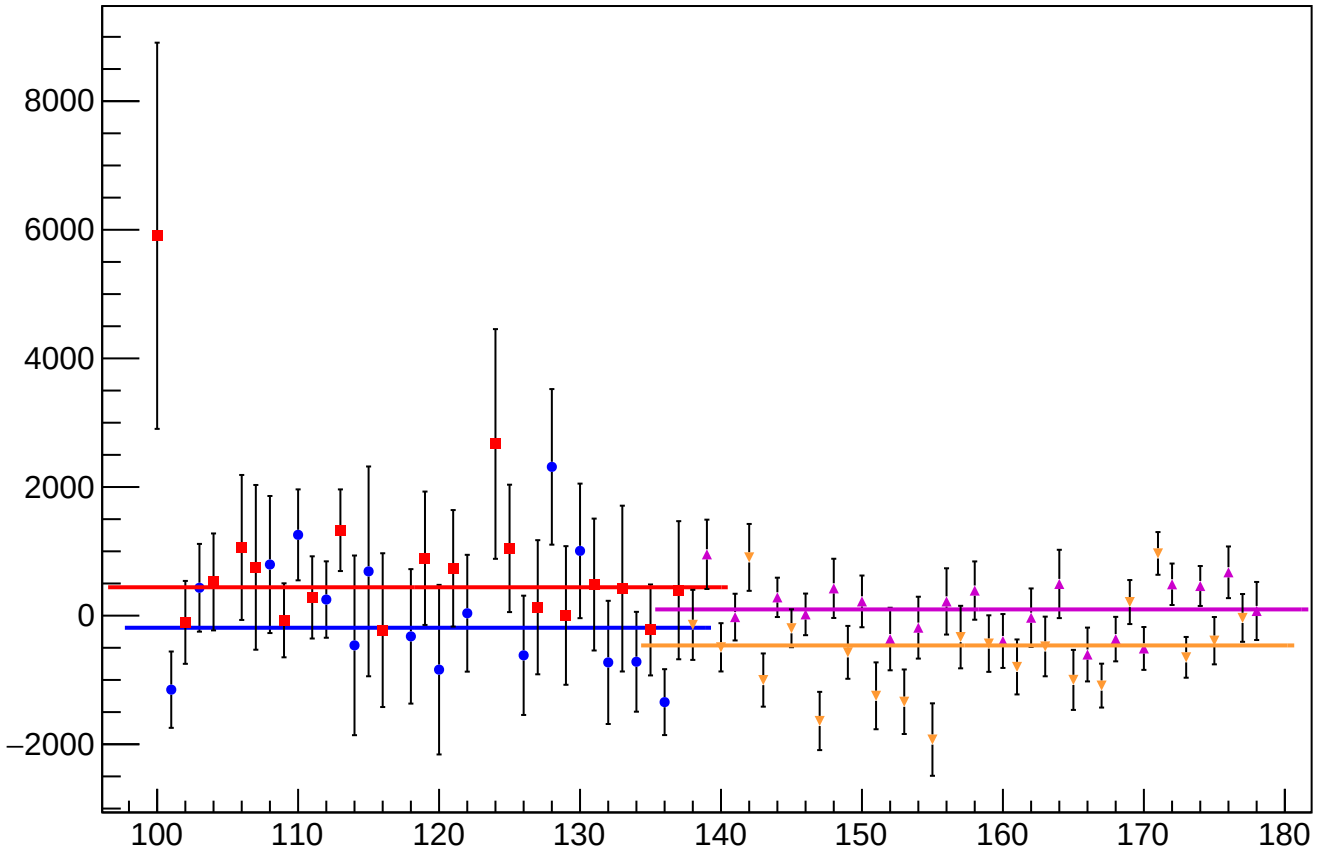
Left: 49.146+/-0.006 χ^2/NDF: 490678.6/40

Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.189+/-0.007 χ^2/NDF:847531.3/35

Out: 49.591+/-0.007 χ^2/NDF:896637.8/39

All: 49.883+/-0.005 χ^2/NDF: 1747481.8/75



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: 96.742+/-88.529 χ^2/NDF:20.2/19

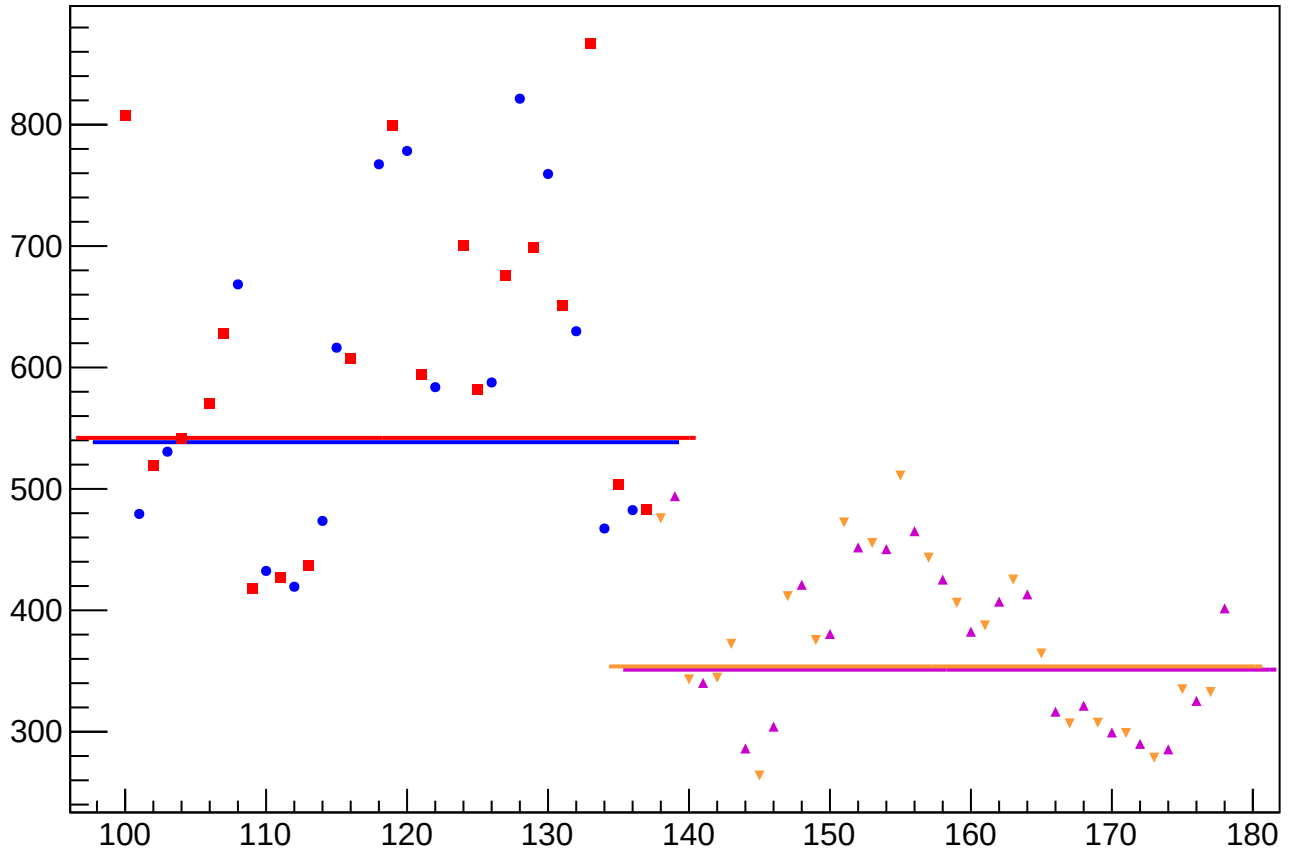
Left: -183.775+/-62.547 χ^2/NDF: 98.4/40

Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 52.200+/-81.324 χ^2/NDF:43.2/35

Out: -320.539+/-81.104 χ^2/NDF:85.6/39

All: -134.676+/-57.427 χ^2/NDF: 139.3/75



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: 351.139+/-0.063 χ^2/NDF:993675.0/19

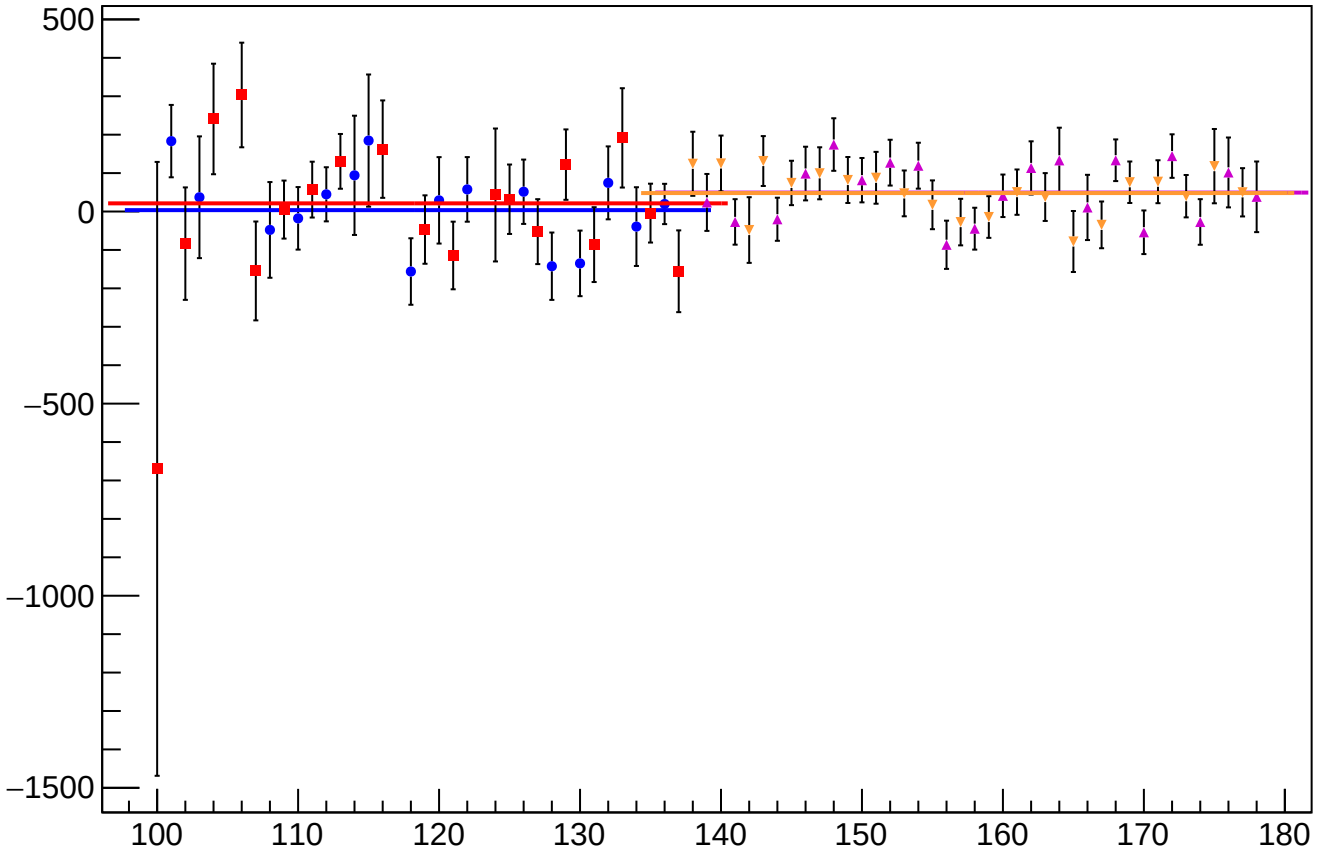
Left: 352.474+/-0.044 χ^2/NDF: 2077748.0/40

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 380.388+/-0.058 χ^2/NDF:3005938.6/35

Out: 383.522+/-0.057 χ^2/NDF:3146926.4/39

All: 381.959+/-0.041 χ^2/NDF: 6154354.1/75



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: 49.257+/-14.209 χ^2/NDF:30.8/19

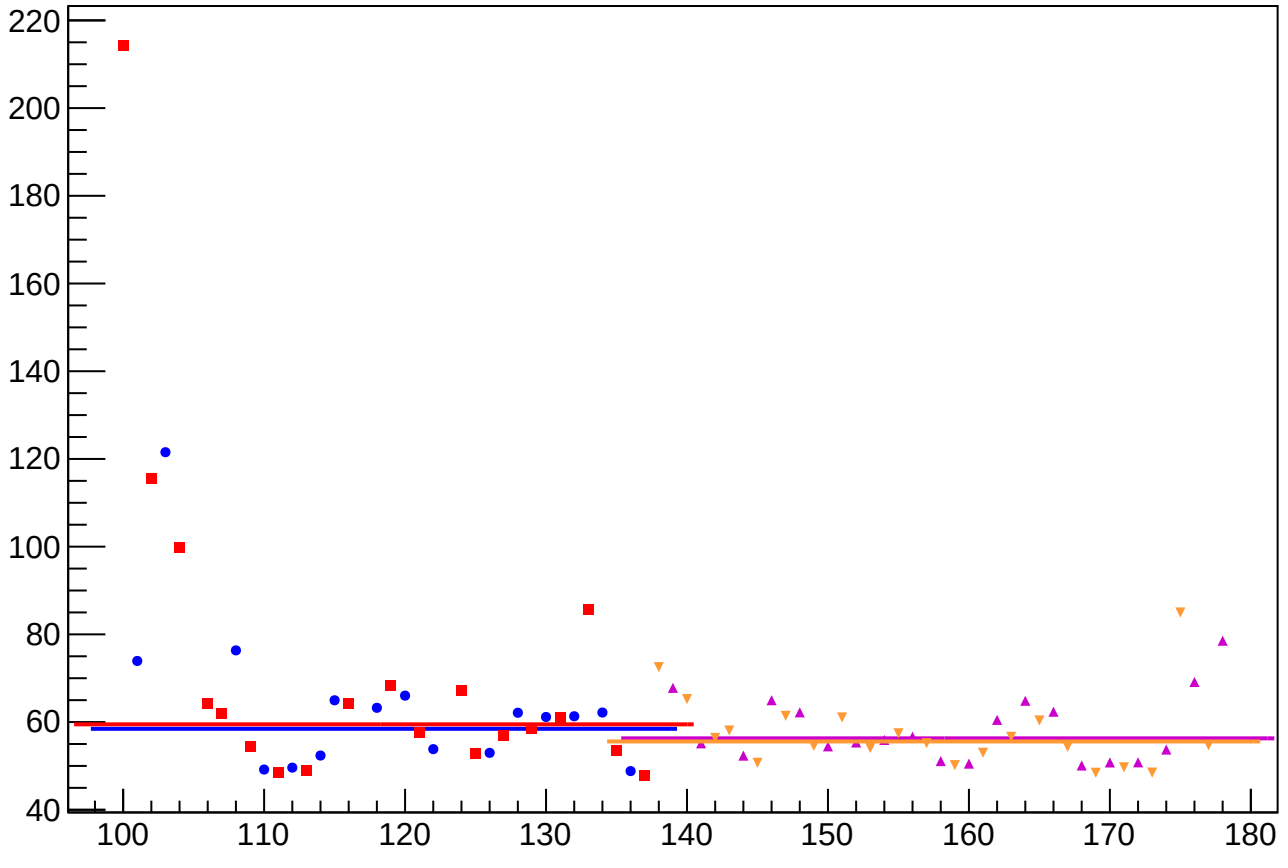
Left: 48.635+/-9.928 χ^2/NDF: 45.8/40

Right: 12.313+/-15.997 χ^2/NDF: 40.9/34

In: 36.223+/-12.011 χ^2/NDF:49.9/35

Out: 40.787+/-11.849 χ^2/NDF:40.4/39

All: 38.536+/-8.435 χ^2/NDF: 90.3/75



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: 56.289+/-0.010 χ^2/NDF:409630.2/19

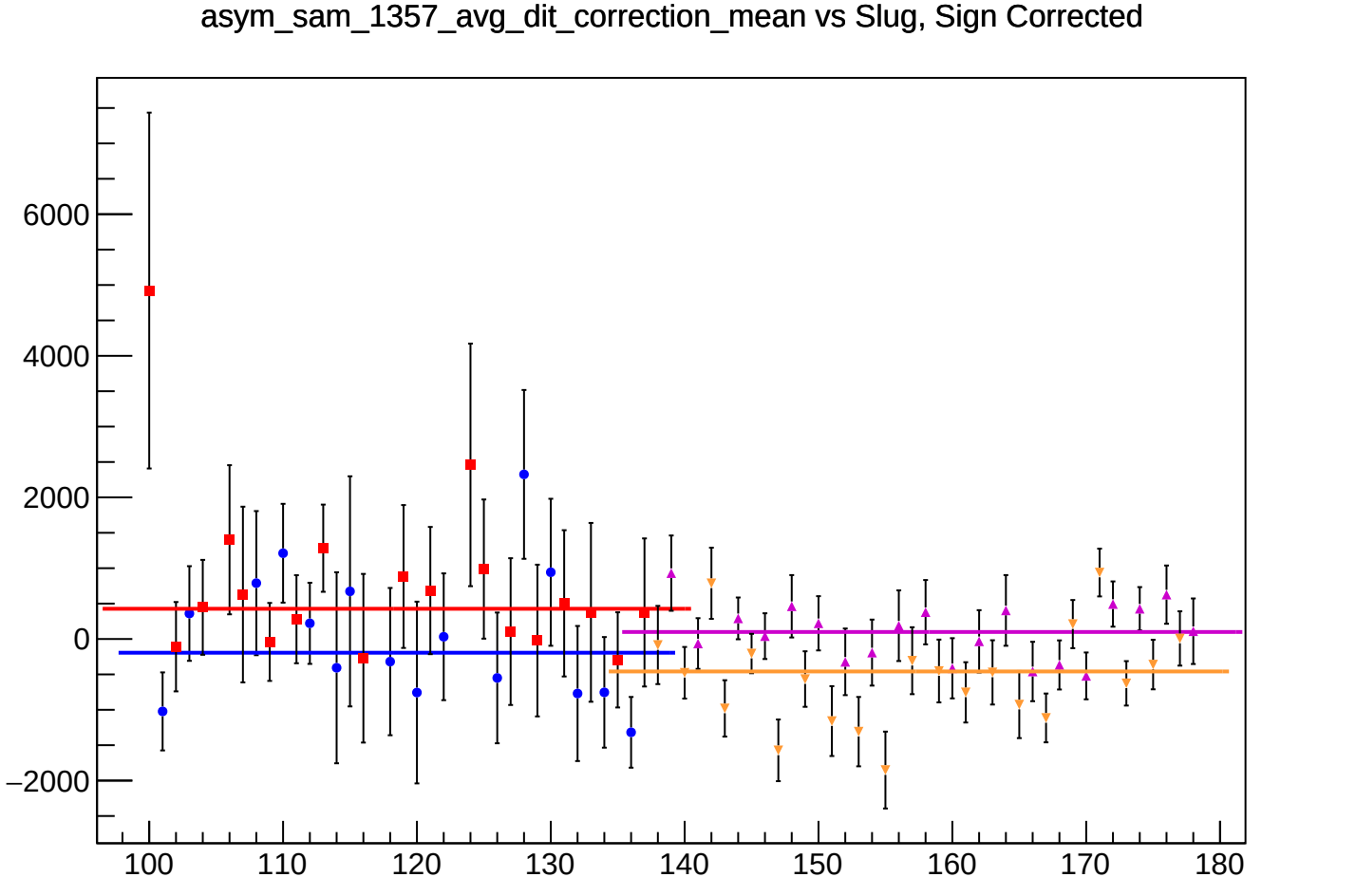
Left: 55.927+/-0.007 χ^2/NDF: 887379.6/40

Right: 58.968+/-0.011 χ^2/NDF: 1369891.4/34

In: 56.911+/-0.008 χ^2/NDF:1006004.8/35

Out: 56.638+/-0.008 χ^2/NDF:1302932.1/39

All: 56.773+/-0.006 χ^2/NDF: 2309457.1/75



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: 99.195+/-87.290 χ^2/NDF:18.8/19

Left: -181.240+/-61.538 χ^2/NDF: 94.8/40

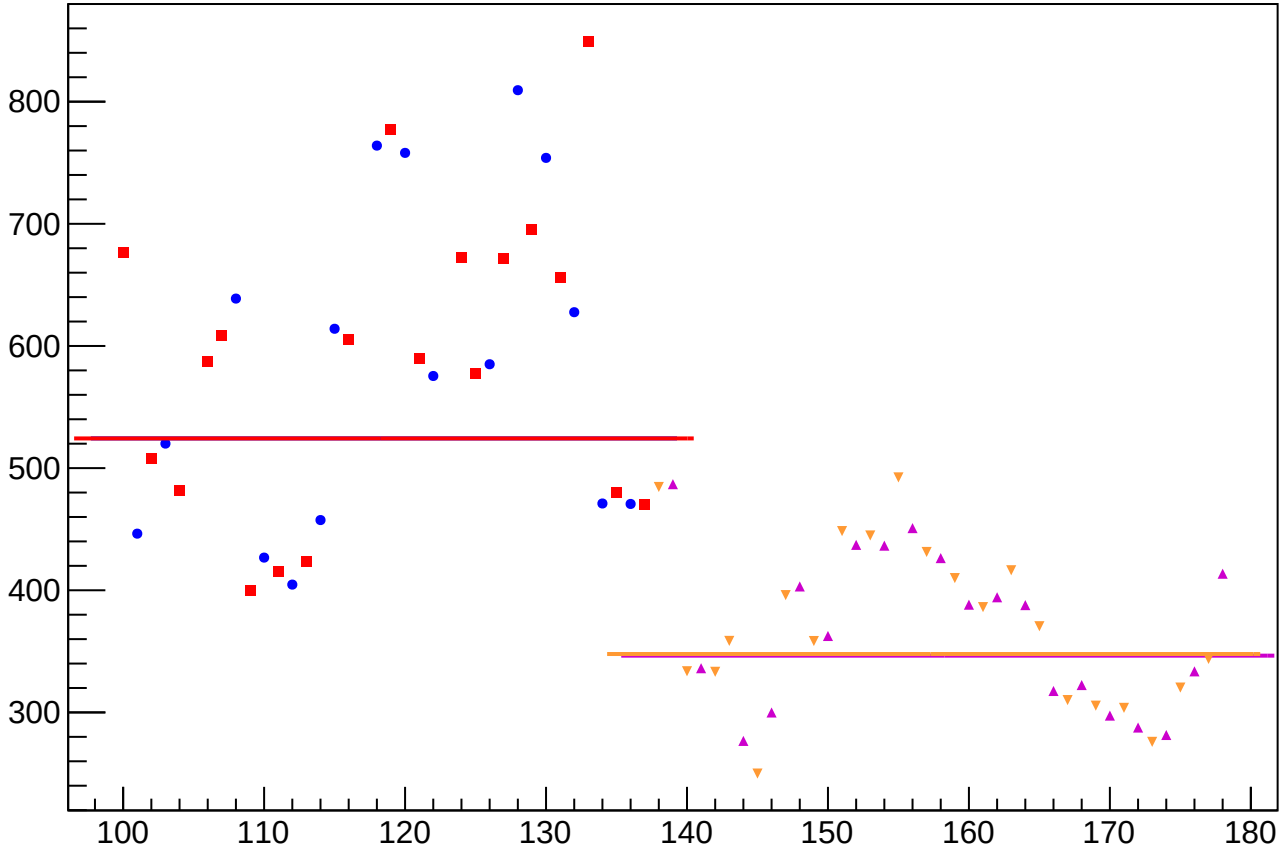
Right: 122.158+/-140.559 χ^2/NDF: 37.0/34

In: 52.534+/-80.041 χ^2/NDF:41.4/35

Out: -314.495+/-79.407 χ^2/NDF:83.7/39

All: -132.440+/-56.372 χ^2/NDF: 135.7/75

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: 346.472+/-0.062 χ^2/NDF:951014.9/19

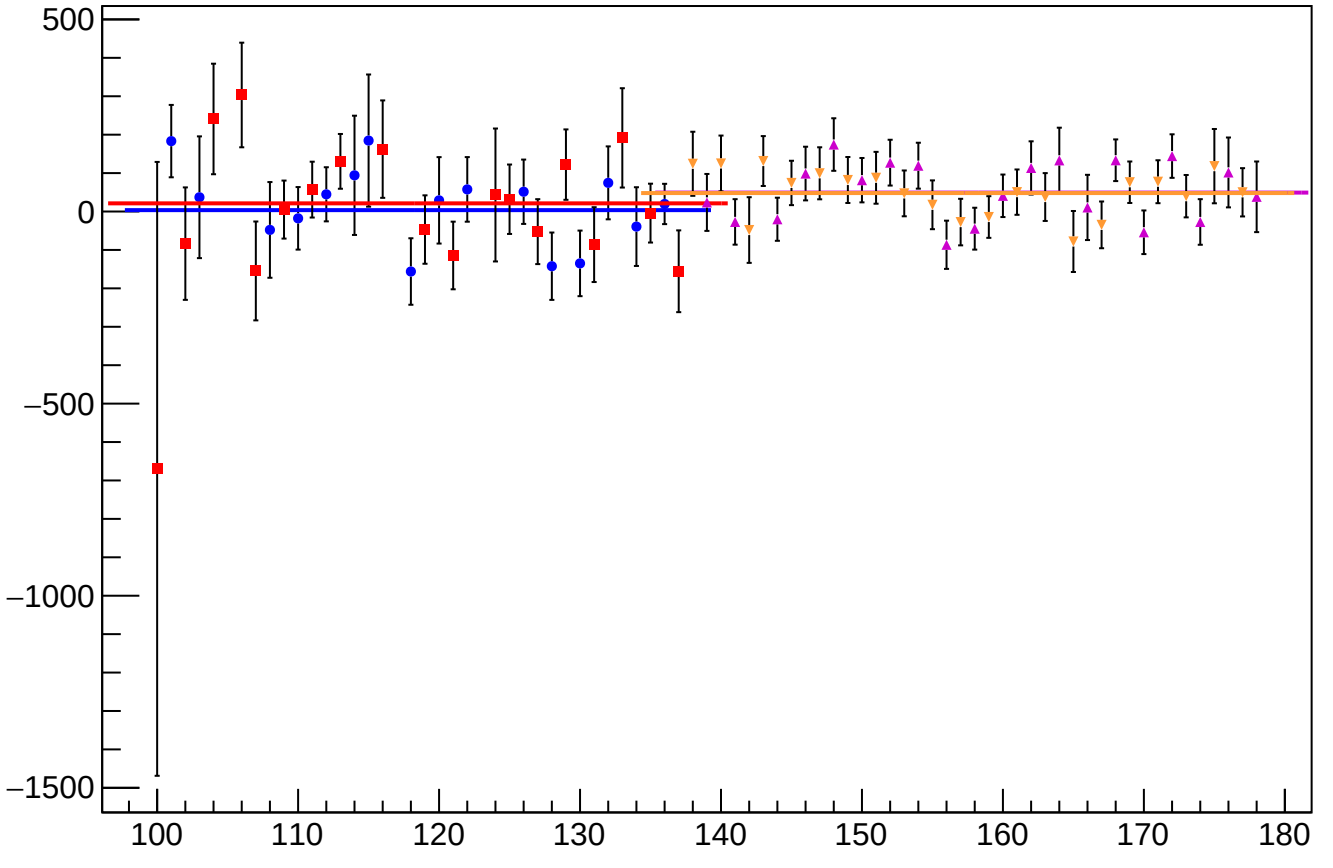
Left: 347.149+/-0.044 χ^2/NDF: 2032273.9/40

Right: 524.316+/-0.099 χ^2/NDF: 1344549.7/34

In: 374.787+/-0.057 χ^2/NDF:2931323.9/35

Out: 376.491+/-0.056 χ^2/NDF:3111429.6/39

All: 375.646+/-0.040 χ^2/NDF: 6043210.4/75



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: 49.257+/-14.209 χ^2/NDF:30.8/19

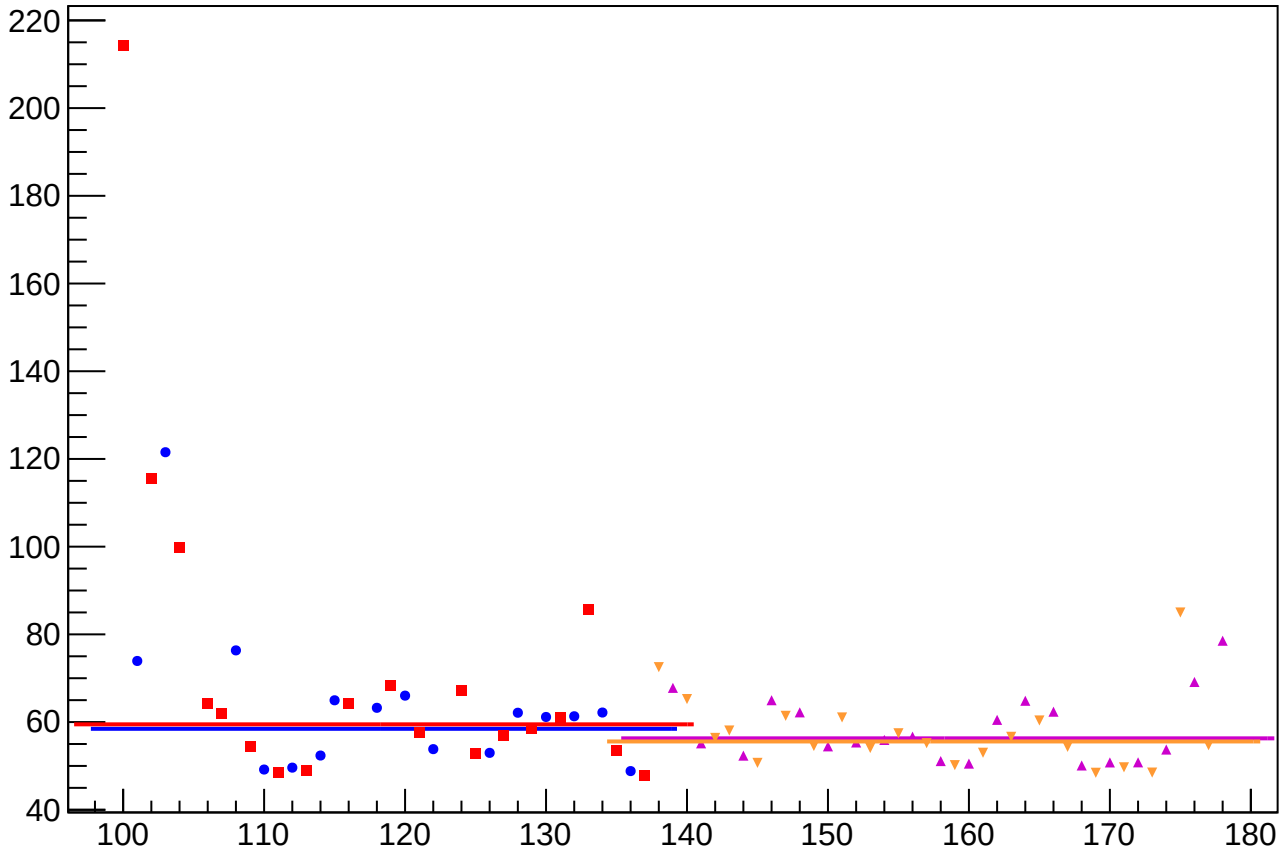
Left: 48.635+/-9.928 χ^2/NDF: 45.8/40

Right: 12.312+/-15.997 χ^2/NDF: 40.9/34

In: 36.223+/-12.011 χ^2/NDF:49.9/35

Out: 40.787+/-11.849 χ^2/NDF:40.4/39

All: 38.536+/-8.435 χ^2/NDF: 90.3/75



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: 56.290+/-0.010 χ^2/NDF:409621.5/19

Left: 55.927+/-0.007 χ^2/NDF: 887376.0/40

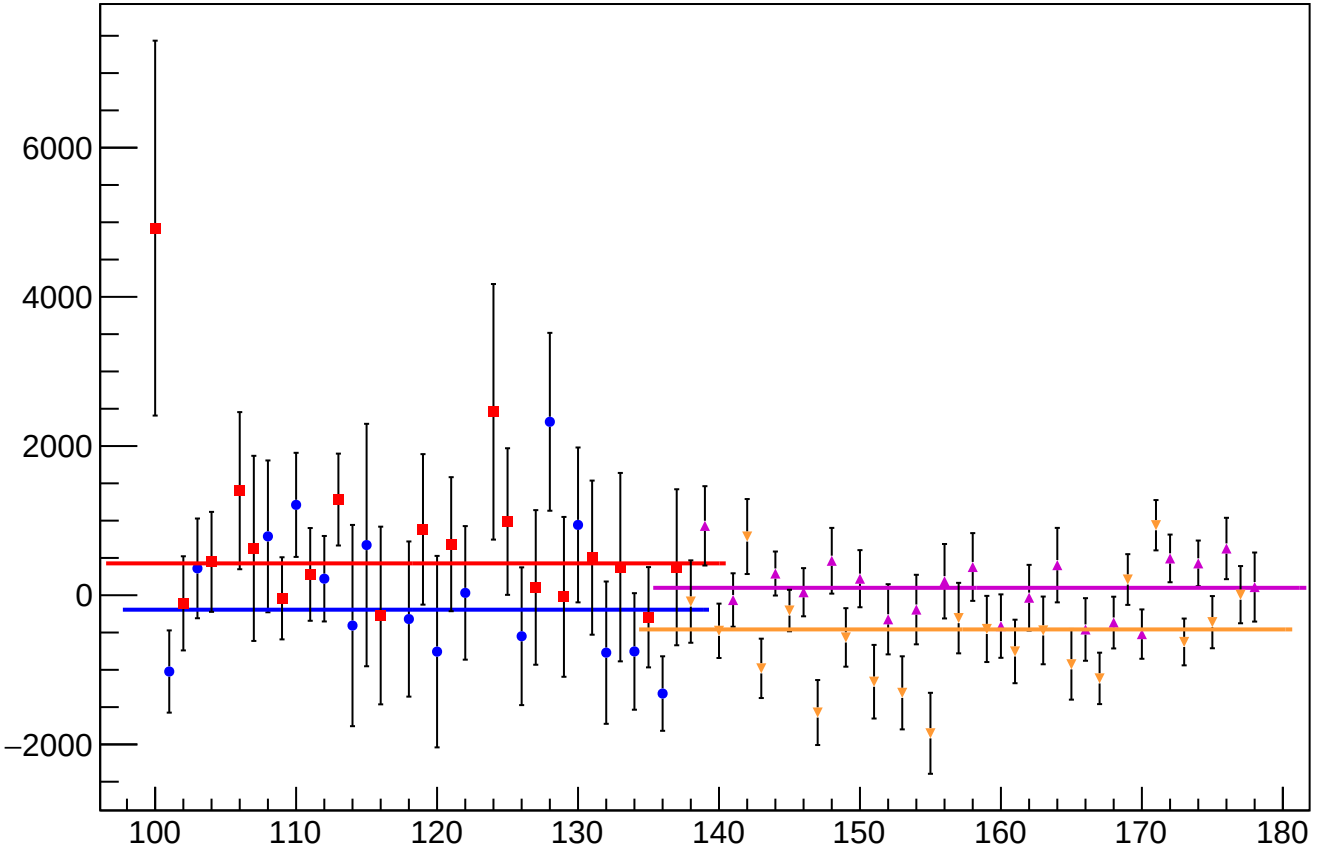
Right: 58.968+/-0.011 χ^2/NDF: 1369888.0/34

In: 56.911+/-0.008 χ^2/NDF:1005992.1/35

Out: 56.639+/-0.008 χ^2/NDF:1302937.6/39

All: 56.773+/-0.006 χ^2/NDF: 2309450.0/75

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: 99.195+/-87.290 χ^2/NDF:18.8/19

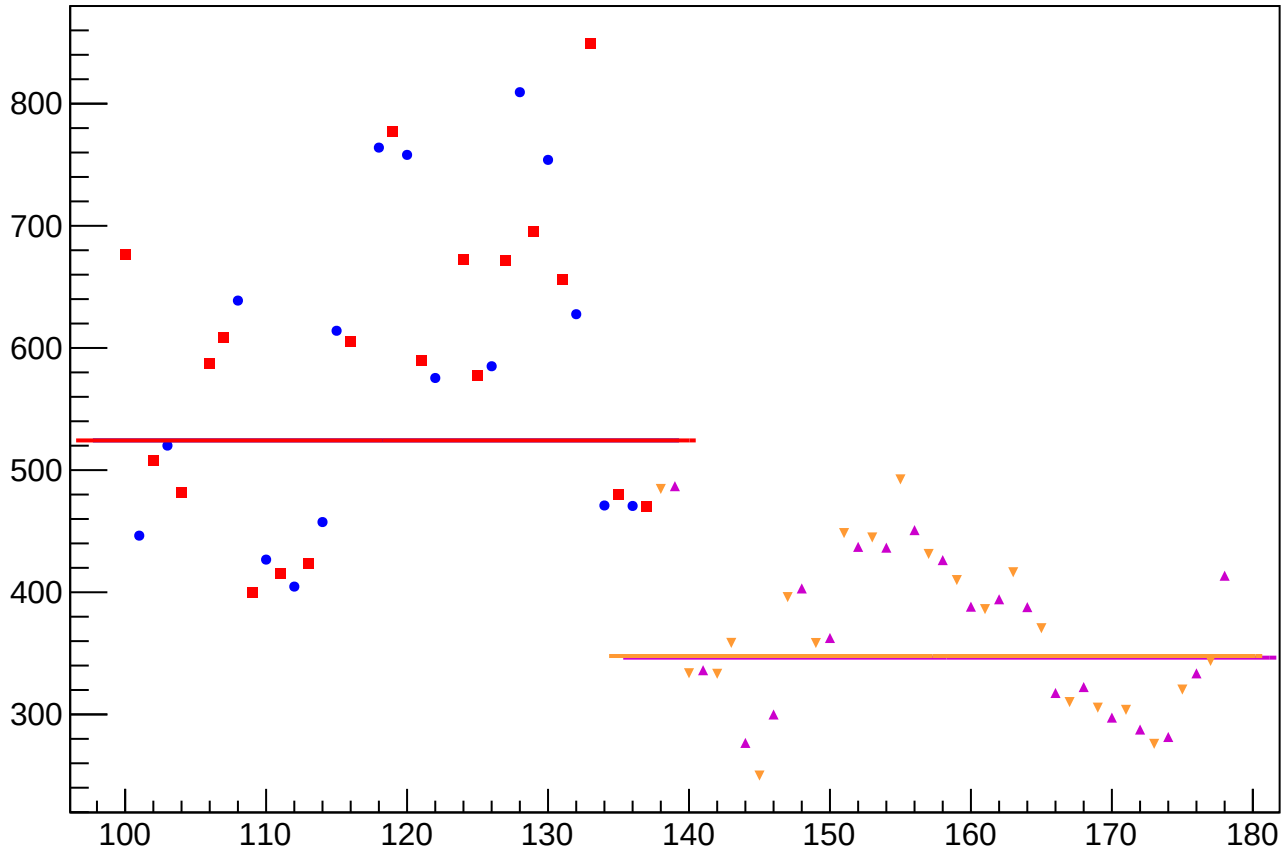
Left: -181.241+/-61.538 χ^2/NDF: 94.8/40

Right: 122.157+/-140.558 χ^2/NDF: 37.0/34

In: 52.534+/-80.041 χ^2/NDF:41.4/35

Out: -314.494+/-79.406 χ^2/NDF:83.7/39

All: -132.440+/-56.372 χ^2/NDF: 135.7/75



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: 346.472+/-0.062 χ^2/NDF:951007.9/19

Left: 347.149+/-0.044 χ^2/NDF: 2032261.6/40

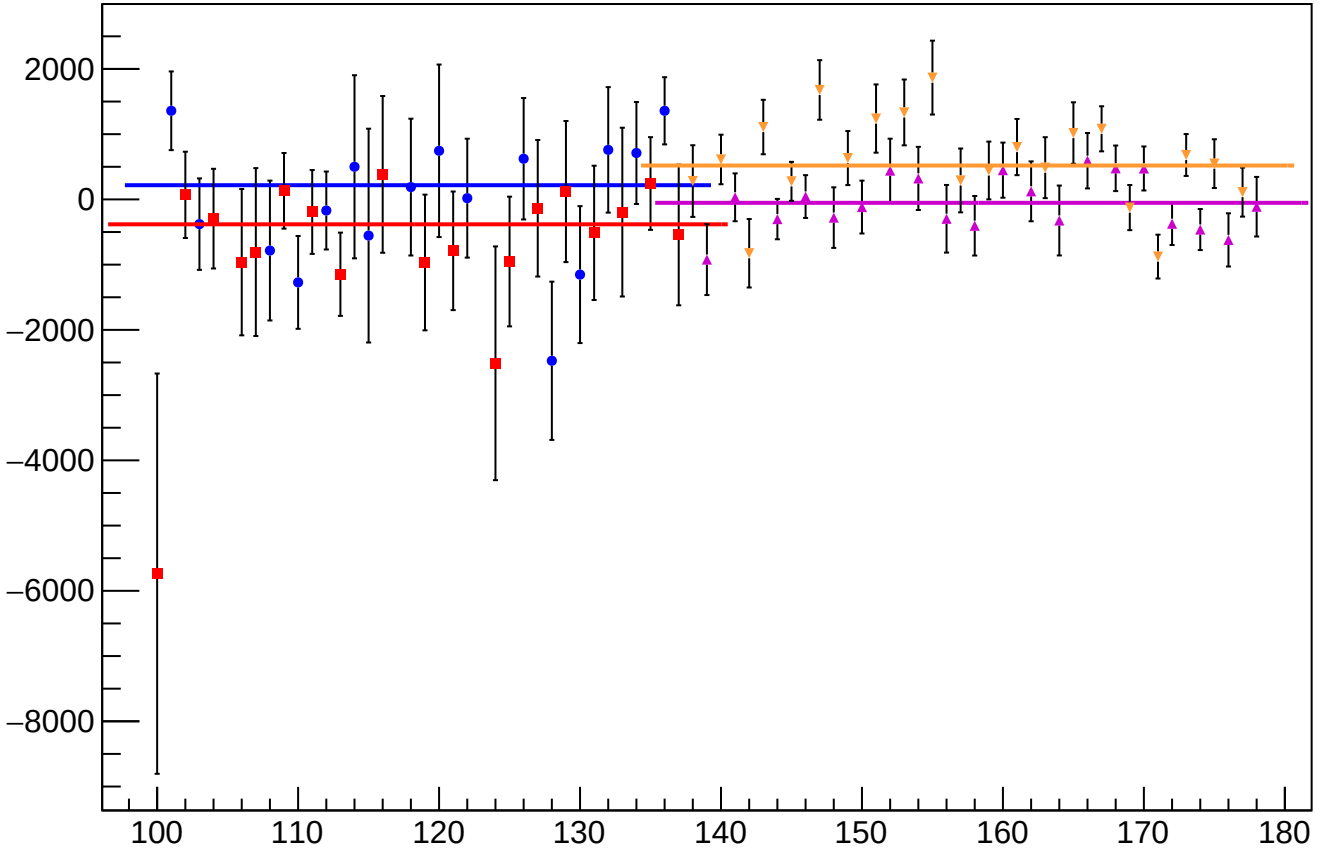
Right: 524.315+/-0.099 χ^2/NDF: 1344557.5/34

In: 374.786+/-0.057 χ^2/NDF:2931313.6/35

Out: 376.491+/-0.056 χ^2/NDF:3111420.3/39

All: 375.645+/-0.040 χ^2/NDF: 6043190.8/75

asym_sam_1357_avg_mean vs Slug, Sign Corrected



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: -52.500+/-89.469 χ^2/NDF:19.5/19

Left: 234.104+/-63.198 χ^2/NDF: 92.8/40

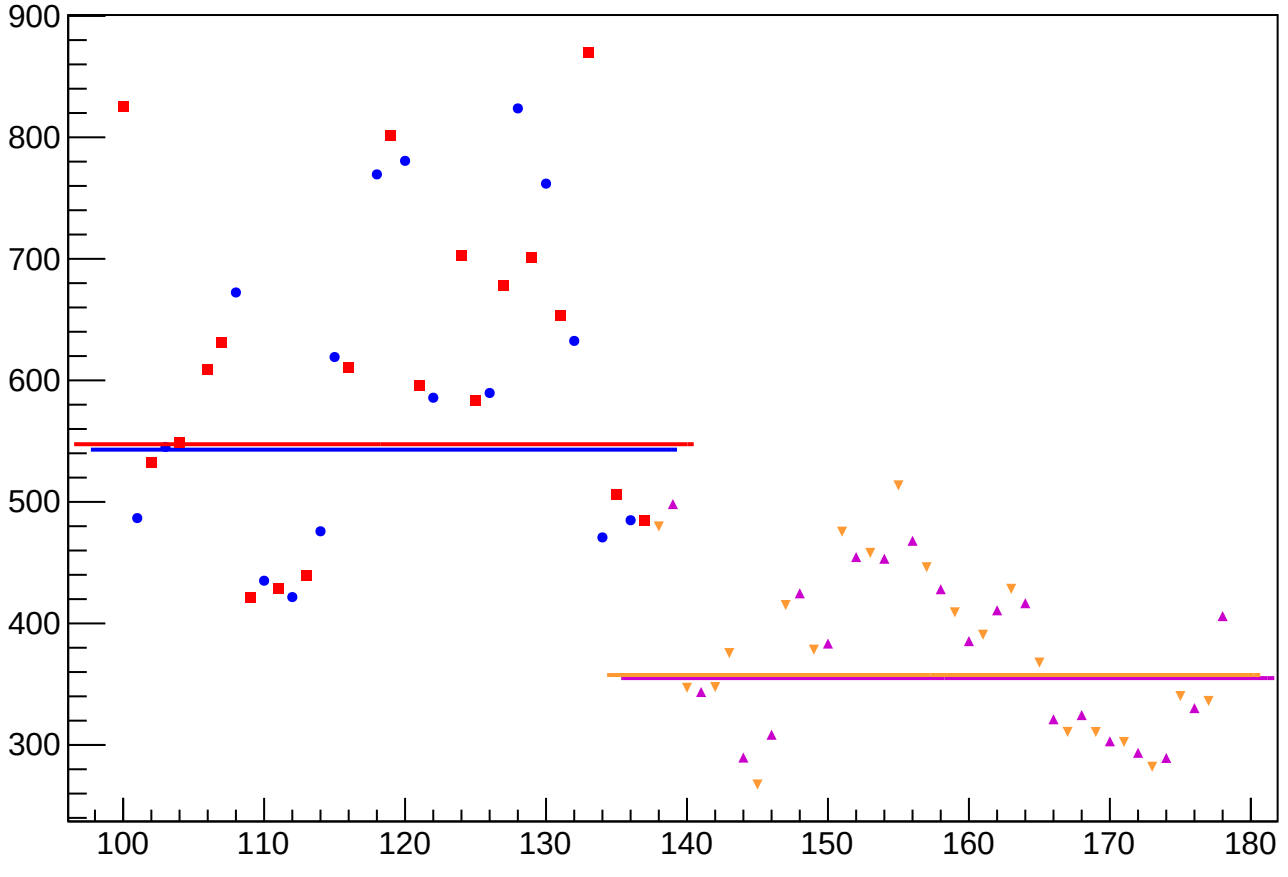
Right: -84.807+/-146.040 χ^2/NDF: 37.1/34

In: -10.129+/-82.157 χ^2/NDF:43.8/35

Out: 376.488+/-81.893 χ^2/NDF:78.9/39

All: 183.802+/-58.000 χ^2/NDF: 133.9/75

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: 355.016+/-0.063 χ^2/NDF:969212.7/19

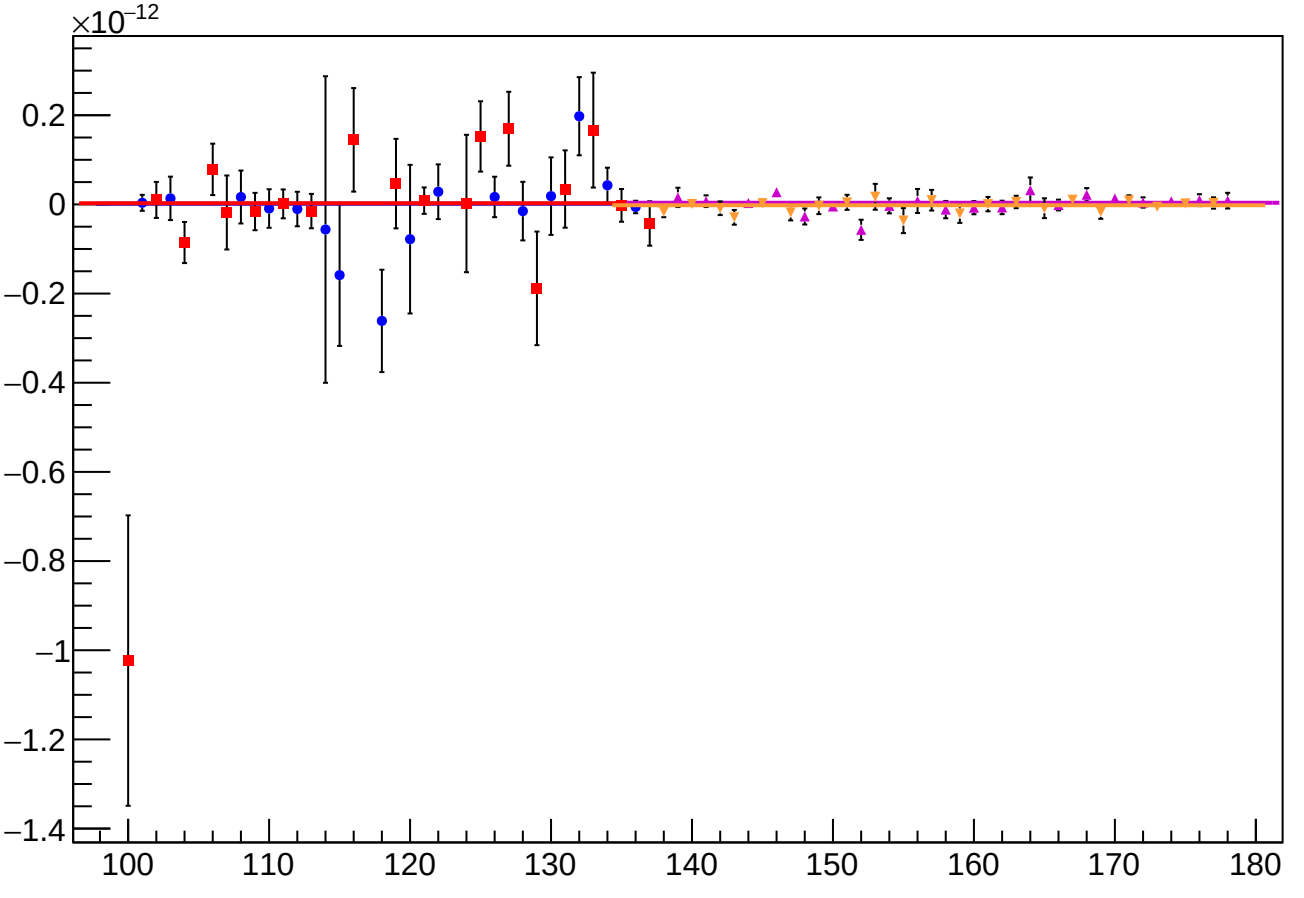
Left: 356.294+/-0.045 χ^2/NDF: 2027015.1/40

Right: 545.252+/-0.103 χ^2/NDF: 1236002.5/34

In: 384.488+/-0.058 χ^2/NDF:2958661.8/35

Out: 387.699+/-0.058 χ^2/NDF:3122926.2/39

All: 386.098+/-0.041 χ^2/NDF: 6083120.8/75



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:21.6/19

Left: 0.000+/-0.000 χ^2/NDF: 35.7/40

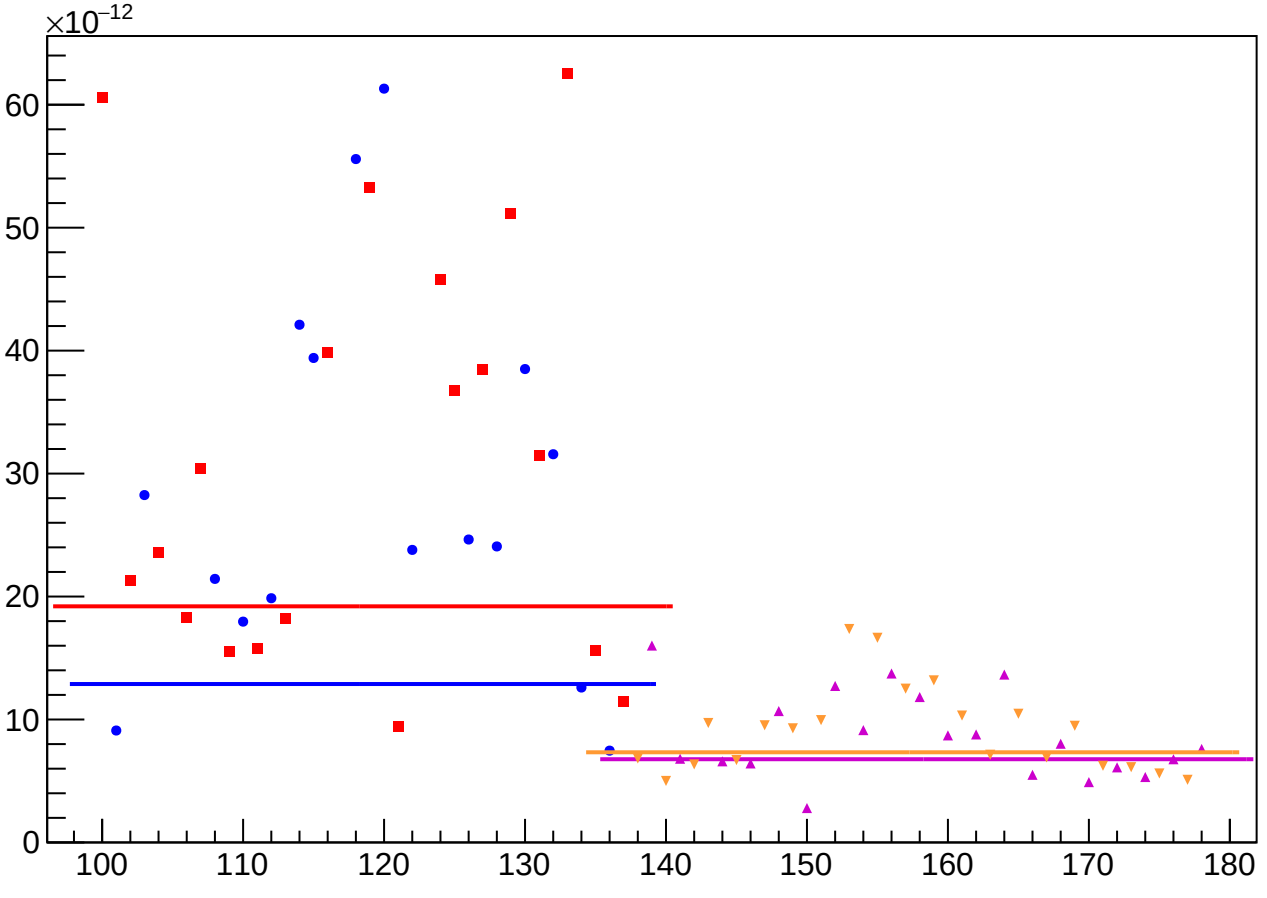
Right: 0.000+/-0.000 χ^2/NDF: 43.7/34

In: 0.000+/-0.000 χ^2/NDF:35.3/35

Out: -0.000+/-0.000 χ^2/NDF:42.5/39

All: 0.000+/-0.000 χ^2/NDF: 79.3/75

asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1756750.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1347895.4/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1367620.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1708455.8/19

Left: 0.000+/-0.000 χ^2/NDF: 3091863.9/40

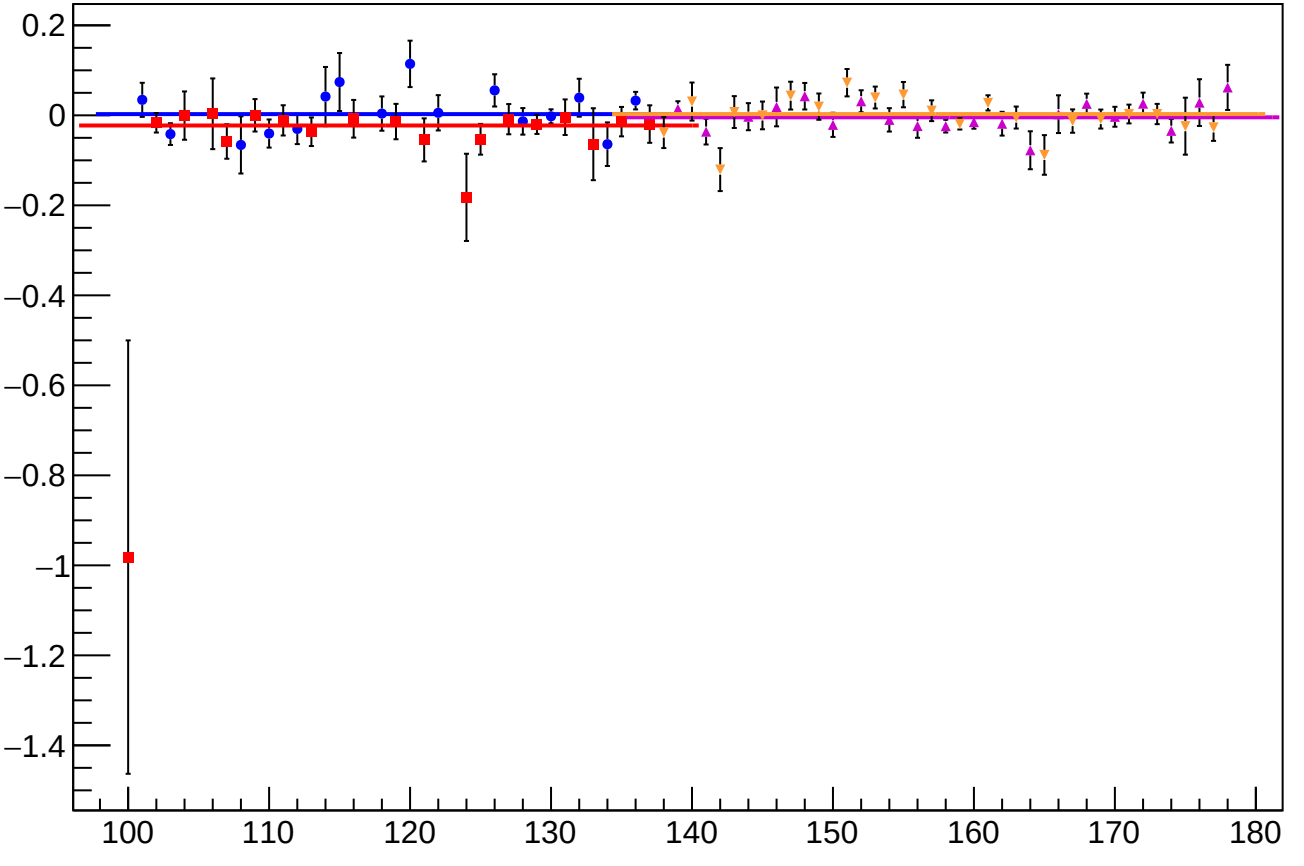
Right: 0.000+/-0.000 χ^2/NDF: 3472471.7/34

In: 0.000+/-0.000 χ^2/NDF:4285617.4/35

Out: 0.000+/-0.000 χ^2/NDF:4520156.8/39

All: 0.000+/-0.000 χ^2/NDF: 8855677.6/75

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: -0.004+/-0.005 χ^2/NDF:20.9/19

Left: -0.001+/-0.004 χ^2/NDF: 53.6/40

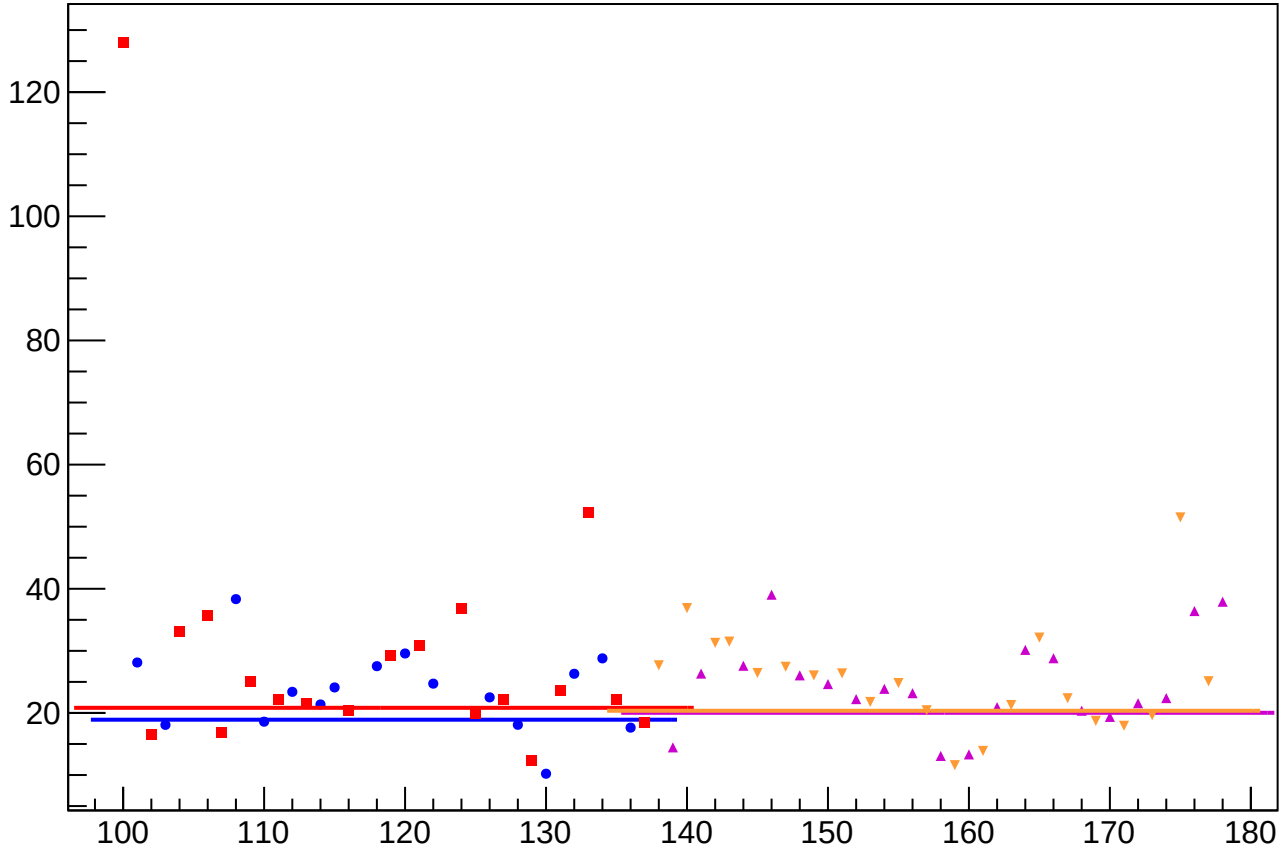
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.002+/-0.004 χ^2/NDF:43.4/35

Out: -0.005+/-0.005 χ^2/NDF:49.0/39

All: -0.003+/-0.003 χ^2/NDF: 92.6/75

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: 20.024+/-0.004 χ^2/NDF:2634892.4/19

Left: 20.186+/-0.003 χ^2/NDF: 5717670.7/40

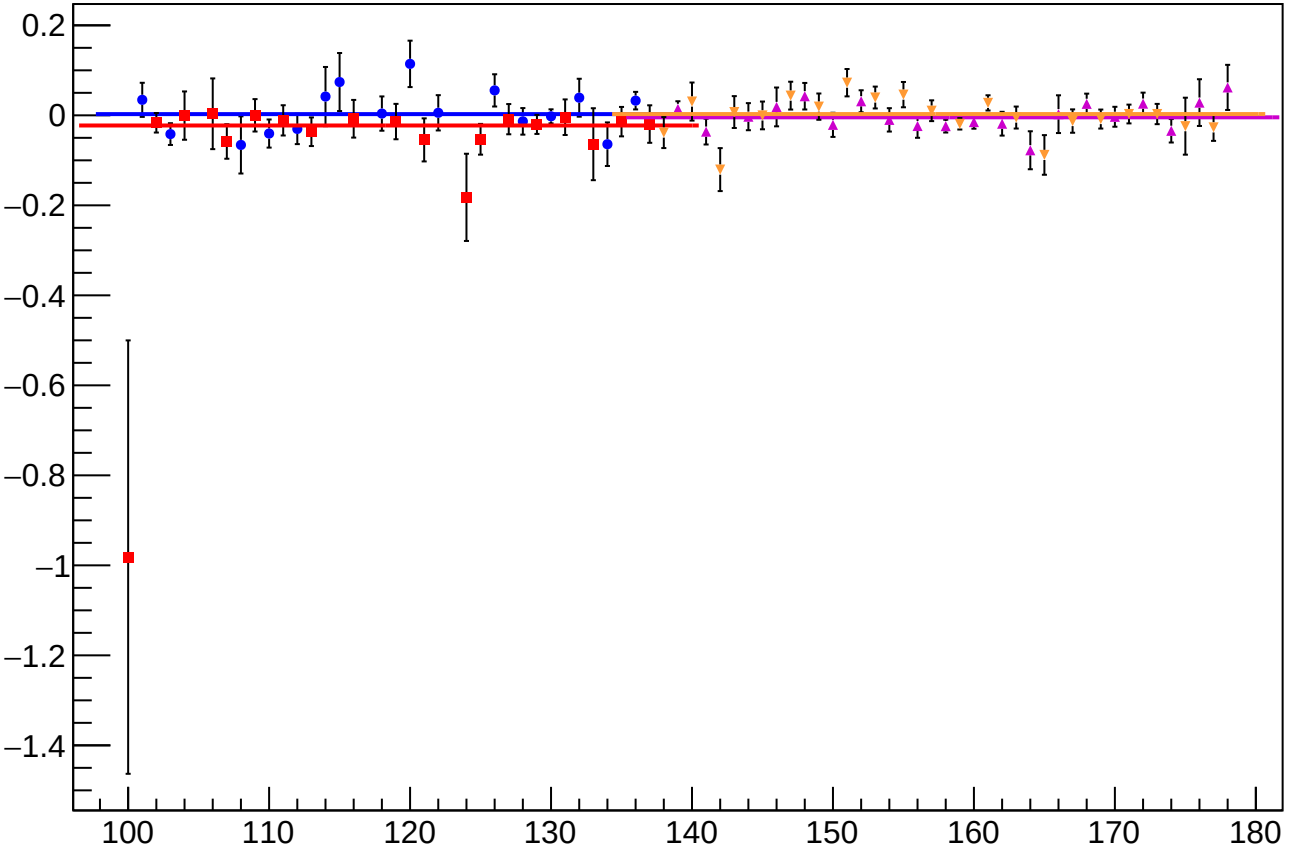
Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.658+/-0.003 χ^2/NDF:4052505.3/35

Out: 20.492+/-0.003 χ^2/NDF:4375229.7/39

All: 20.063+/-0.002 χ^2/NDF: 8461464.9/75

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: -0.004+/-0.005 χ^2/NDF:20.9/19

Left: -0.001+/-0.004 χ^2/NDF: 53.6/40

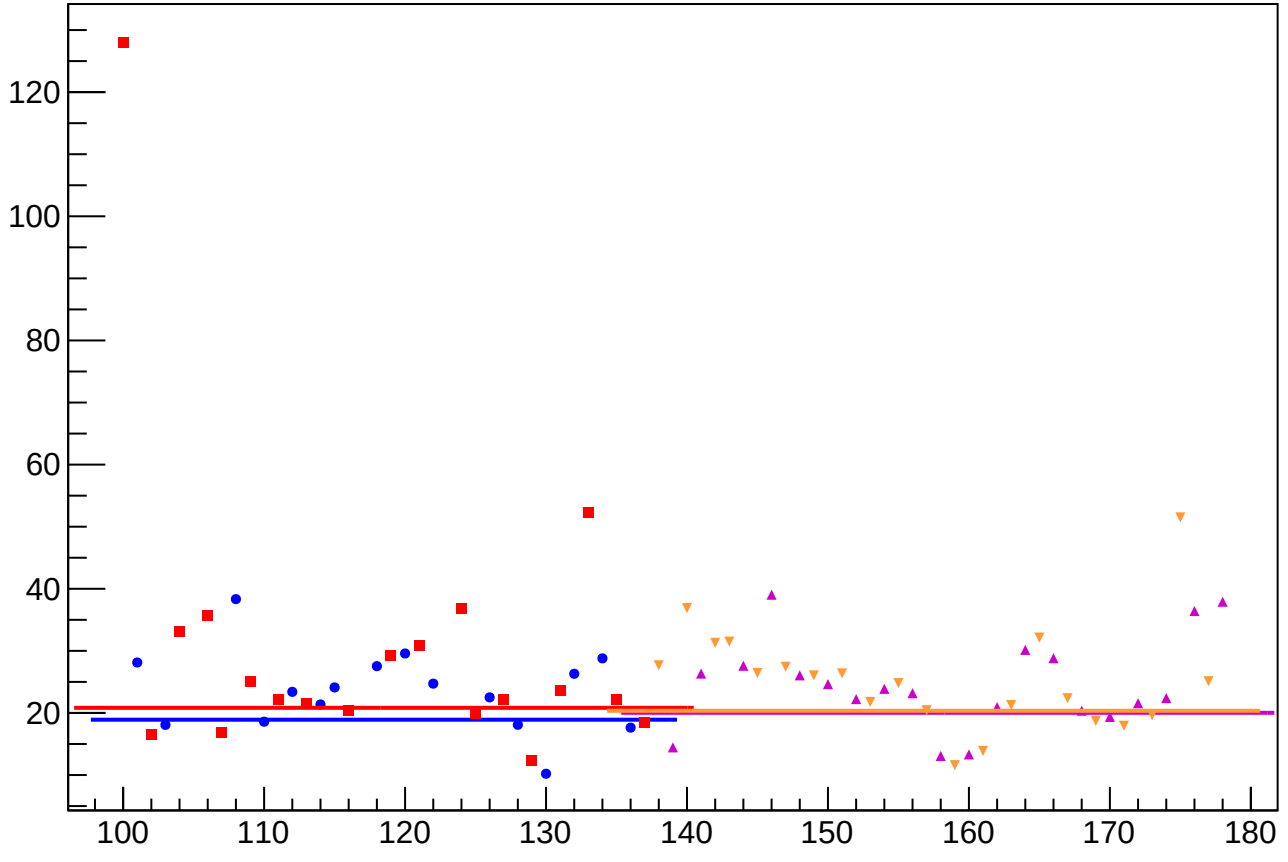
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.002+/-0.004 χ^2/NDF:43.4/35

Out: -0.005+/-0.005 χ^2/NDF:49.0/39

All: -0.003+/-0.003 χ^2/NDF: 92.6/75

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: 20.024+/-0.004 χ^2/NDF:2634892.4/19

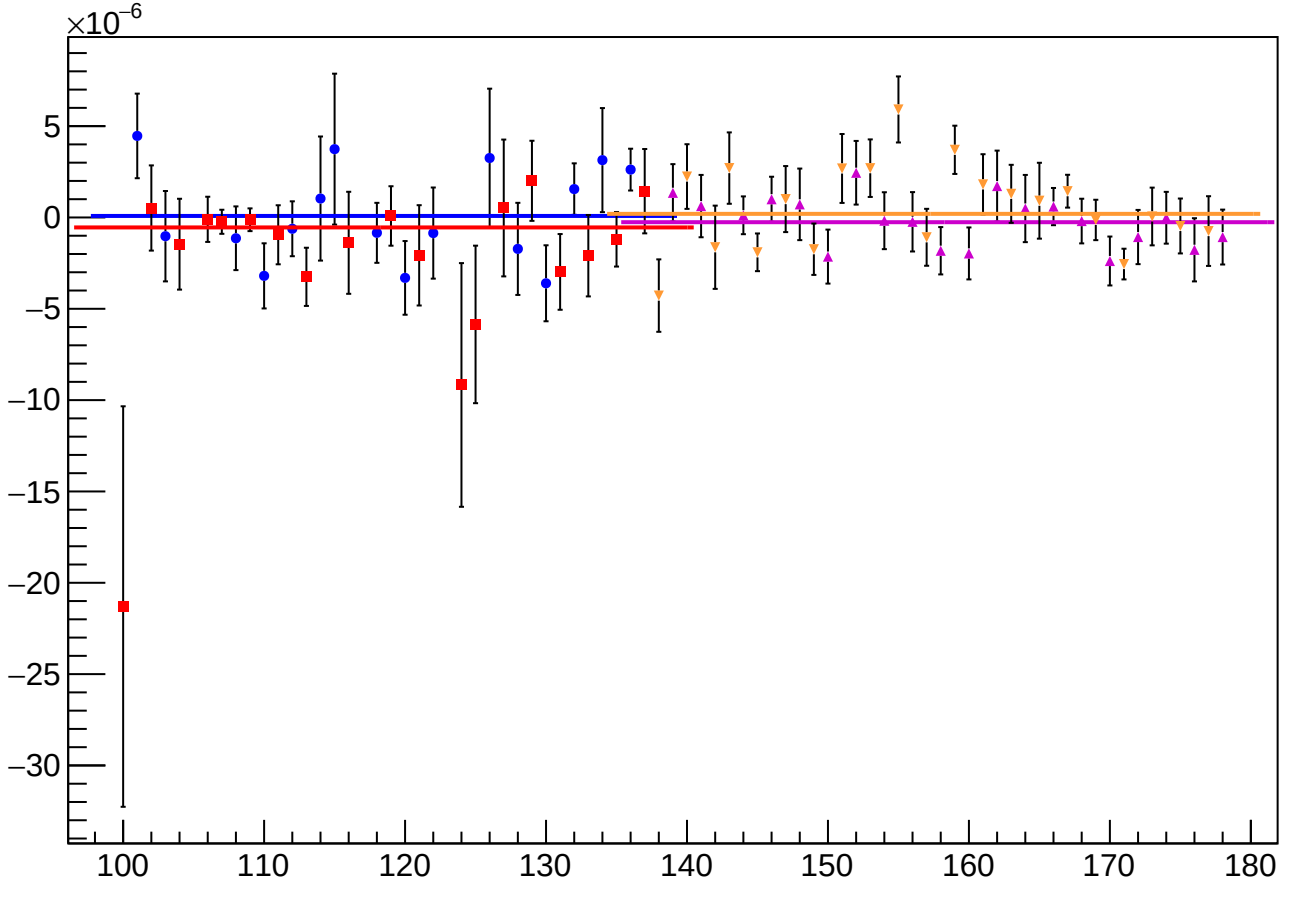
Left: 20.186+/-0.003 χ^2/NDF: 5717670.7/40

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.658+/-0.003 χ^2/NDF:4052505.3/35

Out: 20.492+/-0.003 χ^2/NDF:4375229.7/39

All: 20.063+/-0.002 χ^2/NDF: 8461464.9/75



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:15.5/19

Left: -0.000+/-0.000 χ^2/NDF: 68.2/40

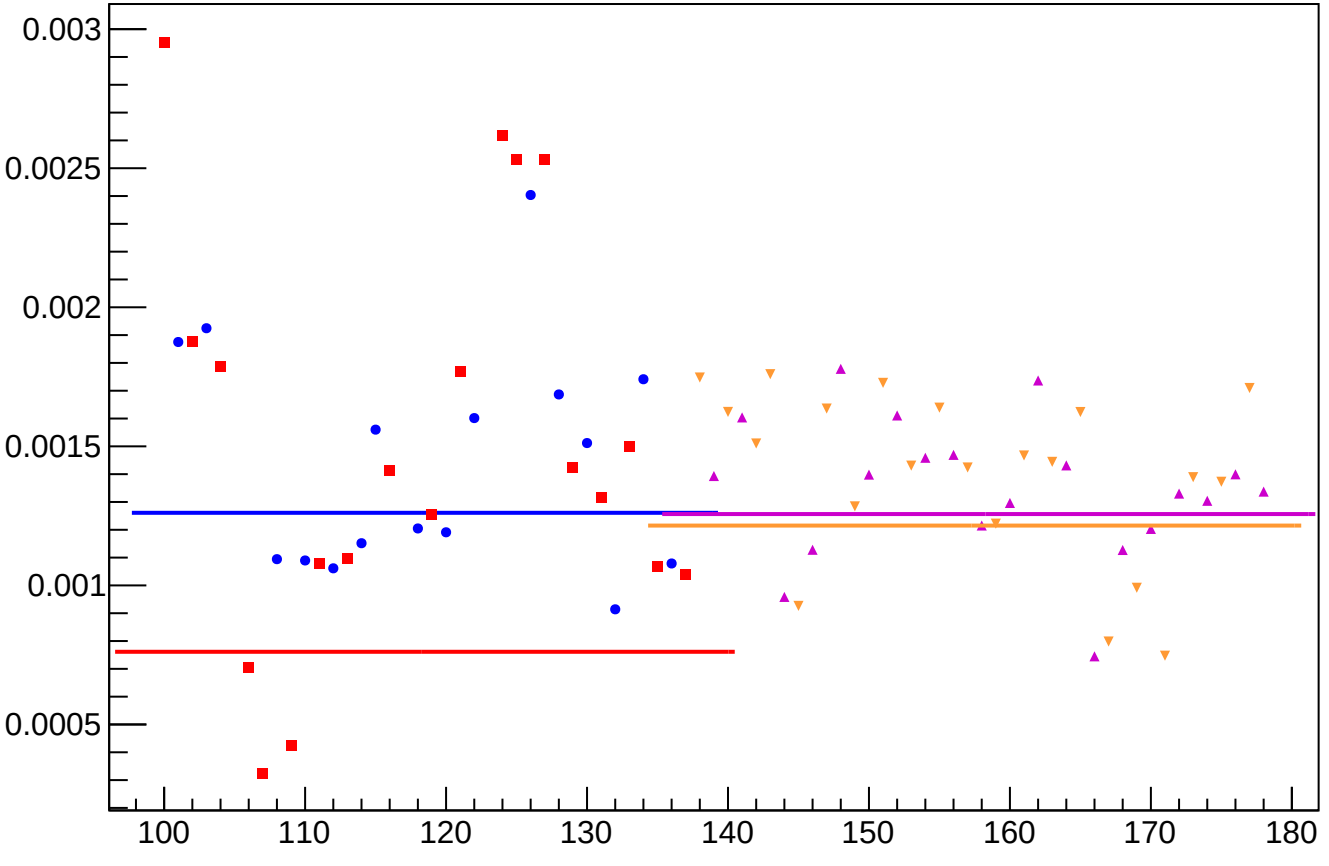
Right: -0.000+/-0.000 χ^2/NDF: 40.3/34

In: -0.000+/-0.000 χ^2/NDF:39.4/35

Out: -0.000+/-0.000 χ^2/NDF:69.9/39

All: -0.000+/-0.000 χ^2/NDF: 109.3/75

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 907342.5/15

Left Out: 0.001+/-0.000 χ^2/NDF:2518808.9/20

Right Out: 0.001+/-0.000 χ^2/NDF: 4672607.8/18

Left In: 0.001+/-0.000 χ^2/NDF:1297503.5/19

Left: 0.001+/-0.000 χ^2/NDF: 3833515.4/40

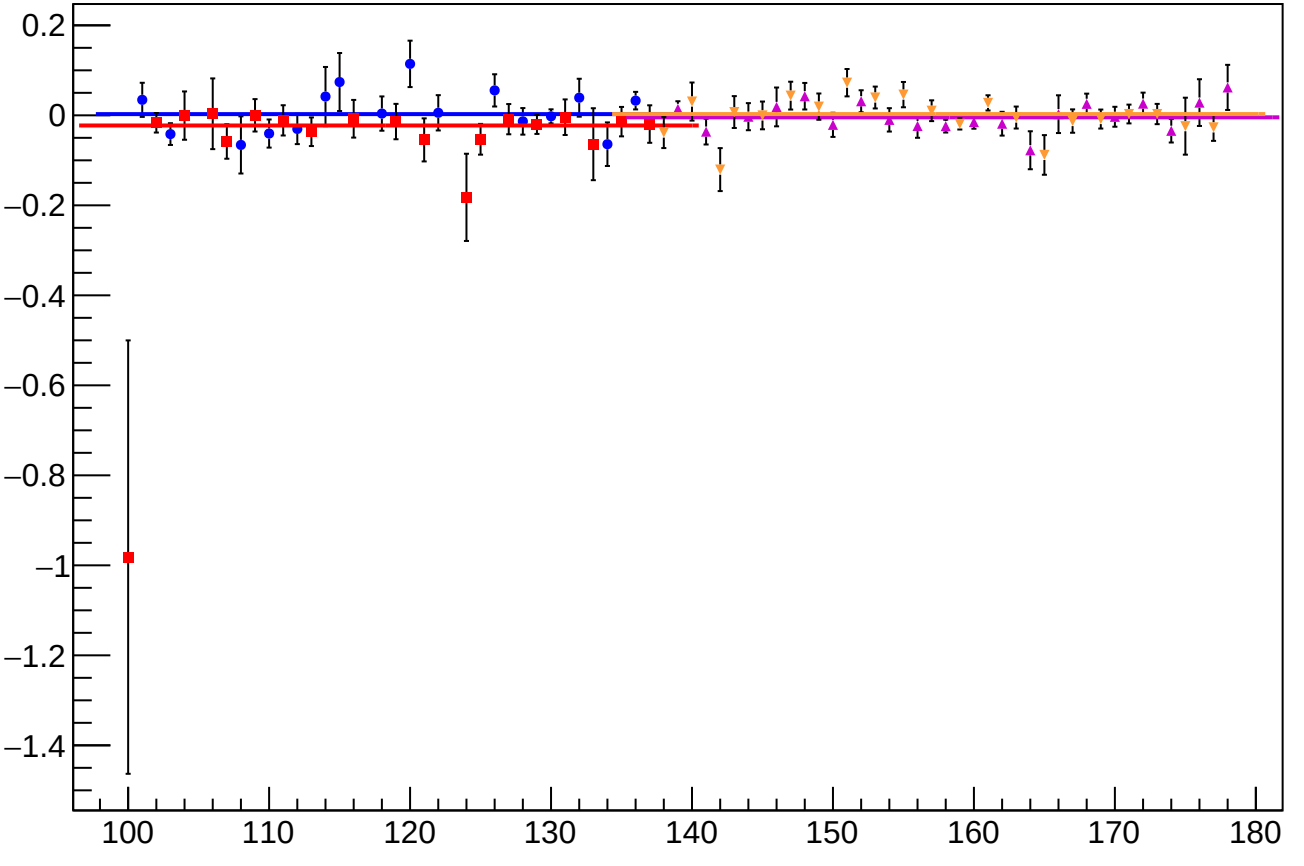
Right: 0.001+/-0.000 χ^2/NDF: 6998069.8/34

In: 0.001+/-0.000 χ^2/NDF:2204965.4/35

Out: 0.001+/-0.000 χ^2/NDF:9141647.9/39

All: 0.001+/-0.000 χ^2/NDF: 12358861.2/75

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.003+/-0.005 χ^2/NDF:31.9/20

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.004+/-0.005 χ^2/NDF:20.9/19

Left: -0.001+/-0.004 χ^2/NDF: 53.6/40

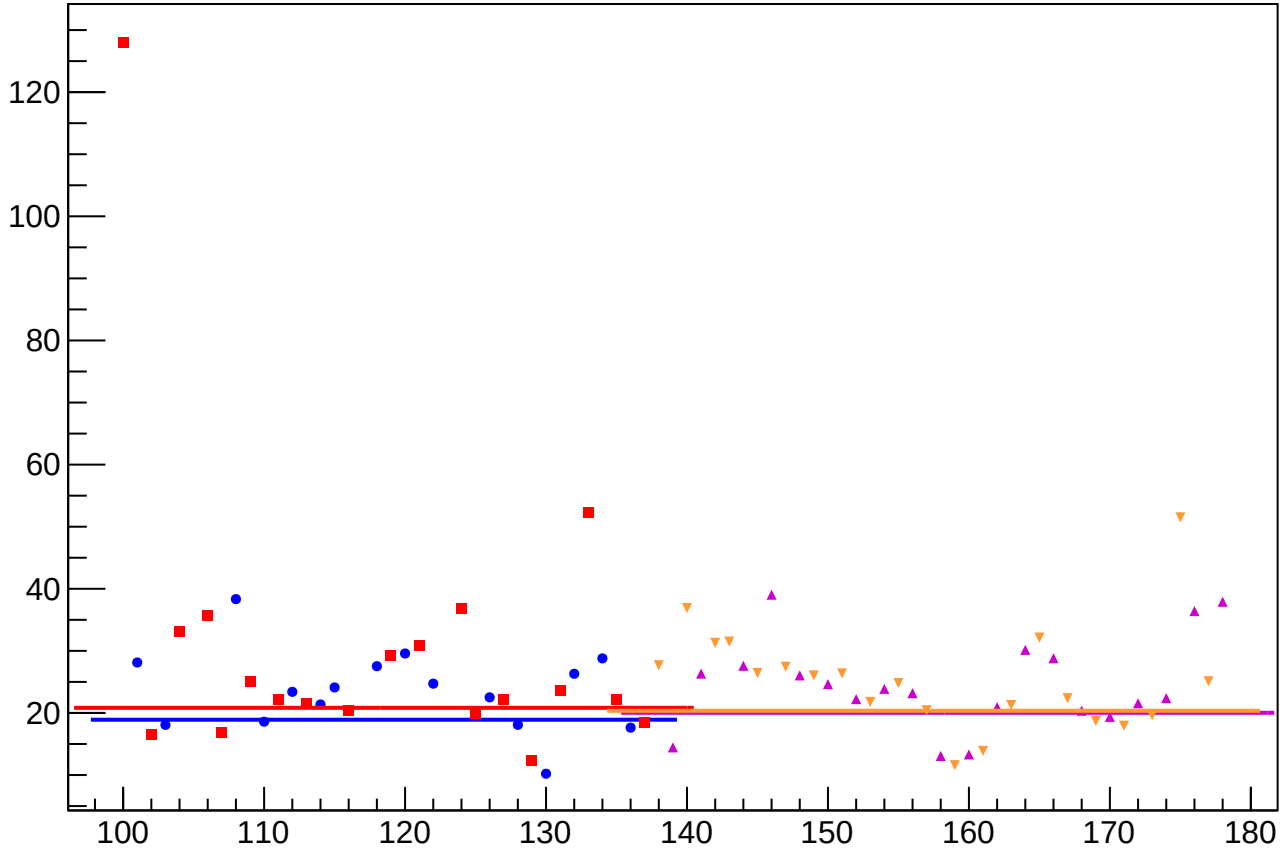
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.002+/-0.004 χ^2/NDF:43.4/35

Out: -0.005+/-0.005 χ^2/NDF:49.0/39

All: -0.003+/-0.003 χ^2/NDF: 92.6/75

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: 20.024+/-0.004 χ^2/NDF:2634919.6/19

Left: 20.186+/-0.003 χ^2/NDF: 5717857.3/40

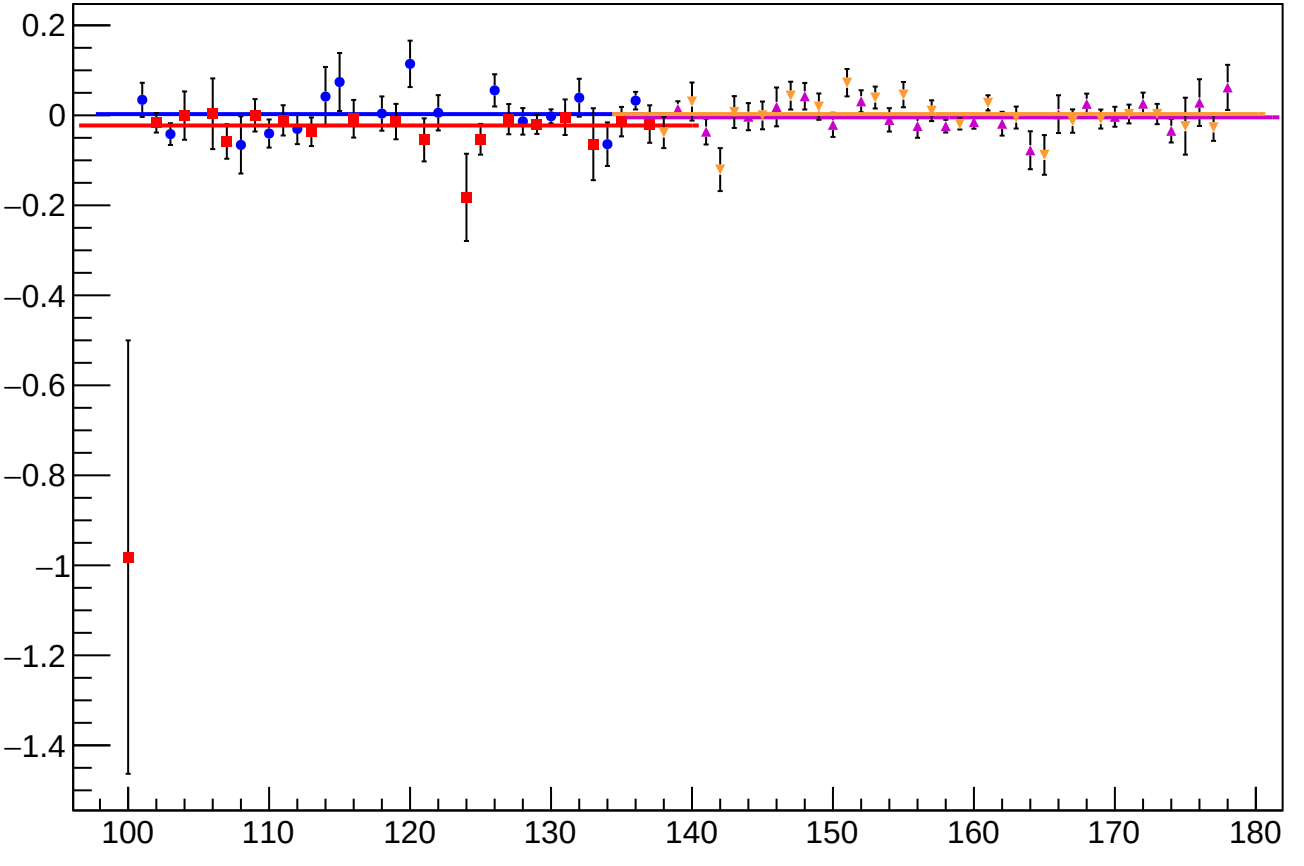
Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.658+/-0.003 χ^2/NDF:4052406.2/35

Out: 20.492+/-0.003 χ^2/NDF:4375392.2/39

All: 20.063+/-0.002 χ^2/NDF: 8461512.5/75

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: -0.004+/-0.005 χ^2/NDF:20.9/19

Left: -0.001+/-0.004 χ^2/NDF: 53.6/40

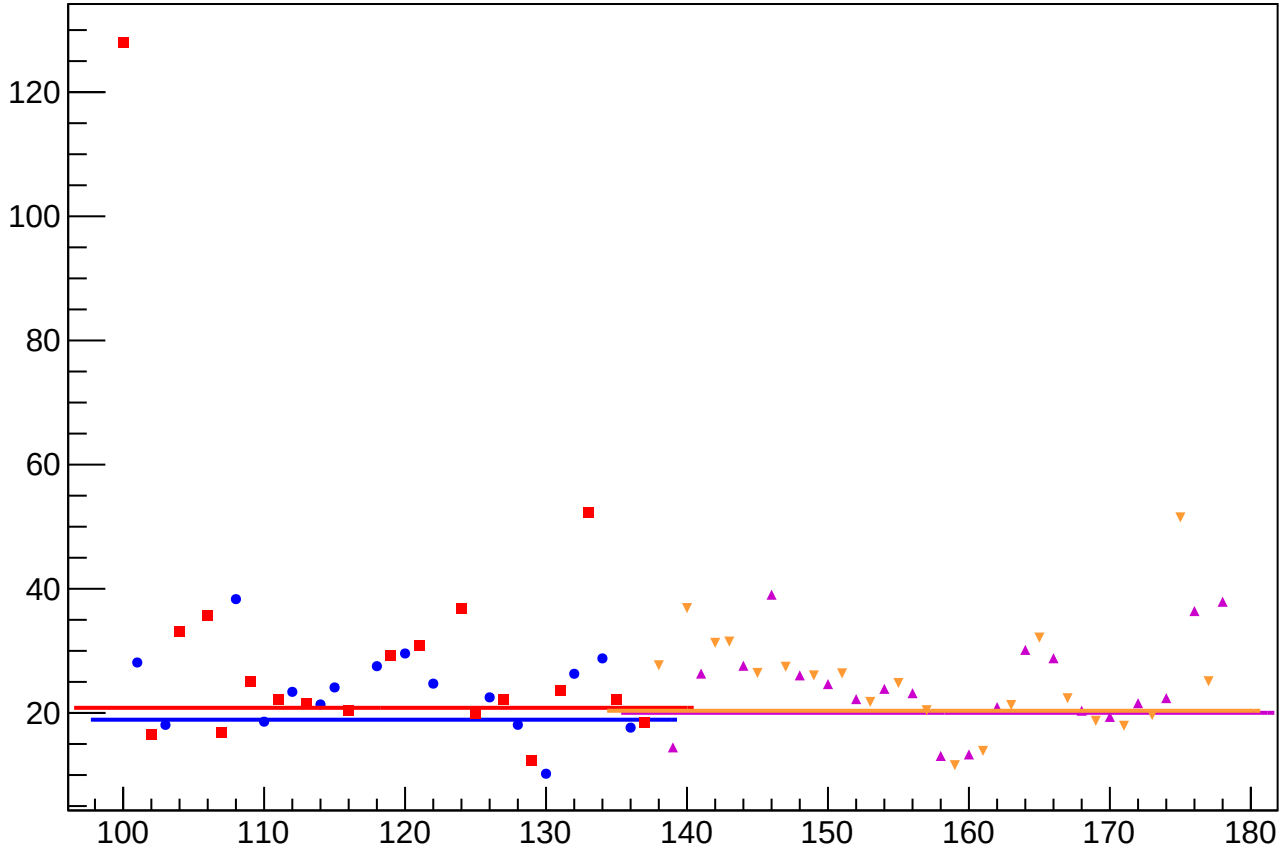
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.002+/-0.004 χ^2/NDF:43.4/35

Out: -0.005+/-0.005 χ^2/NDF:49.0/39

All: -0.003+/-0.003 χ^2/NDF: 92.6/75

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: 20.024+/-0.004 χ^2/NDF:2634919.6/19

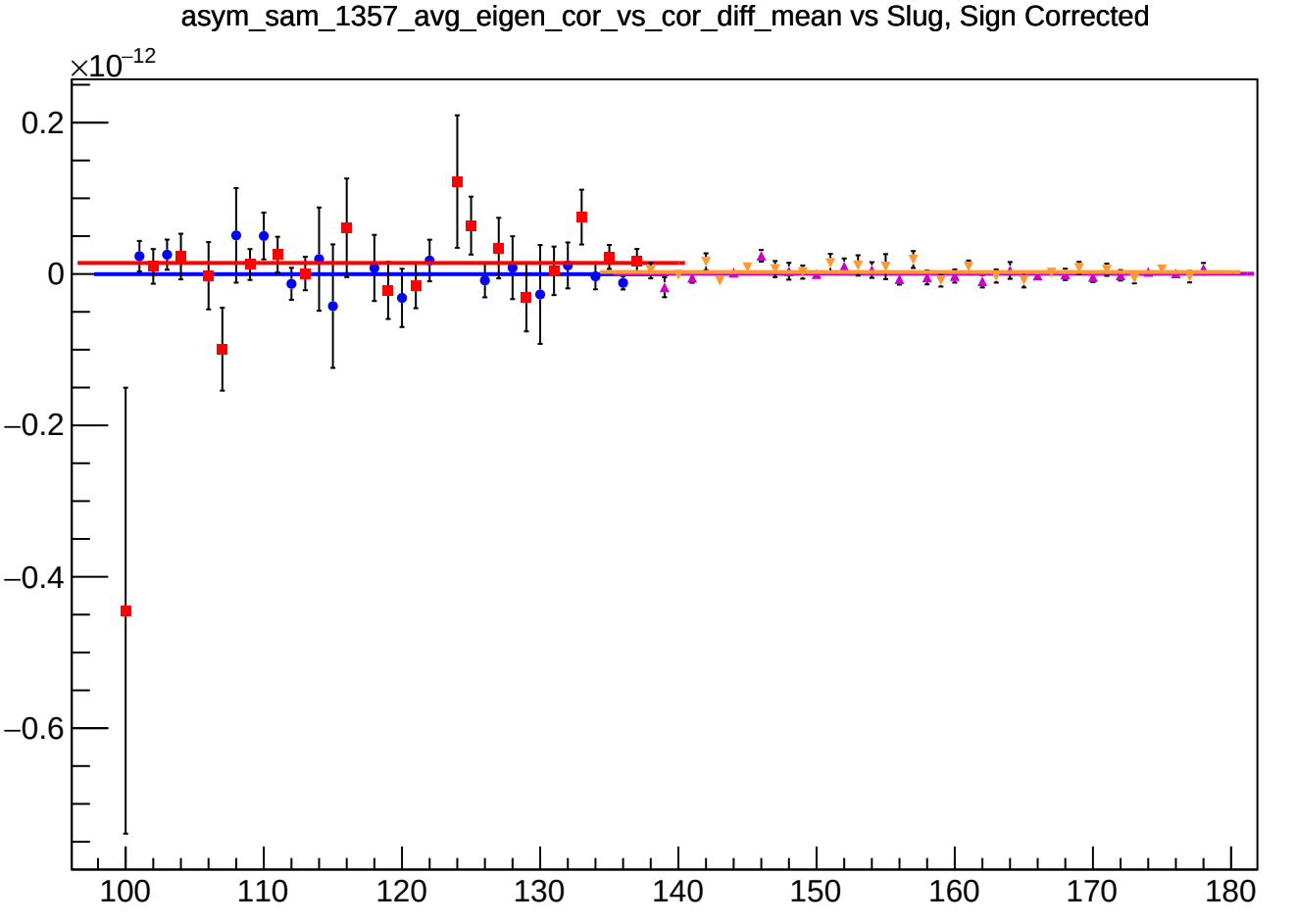
Left: 20.186+/-0.003 χ^2/NDF: 5717857.3/40

Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.658+/-0.003 χ^2/NDF:4052406.2/35

Out: 20.492+/-0.003 χ^2/NDF:4375392.2/39

All: 20.063+/-0.002 χ^2/NDF: 8461512.5/75



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:17.9/19

Left: 0.000+/-0.000 χ^2/NDF: 36.7/40

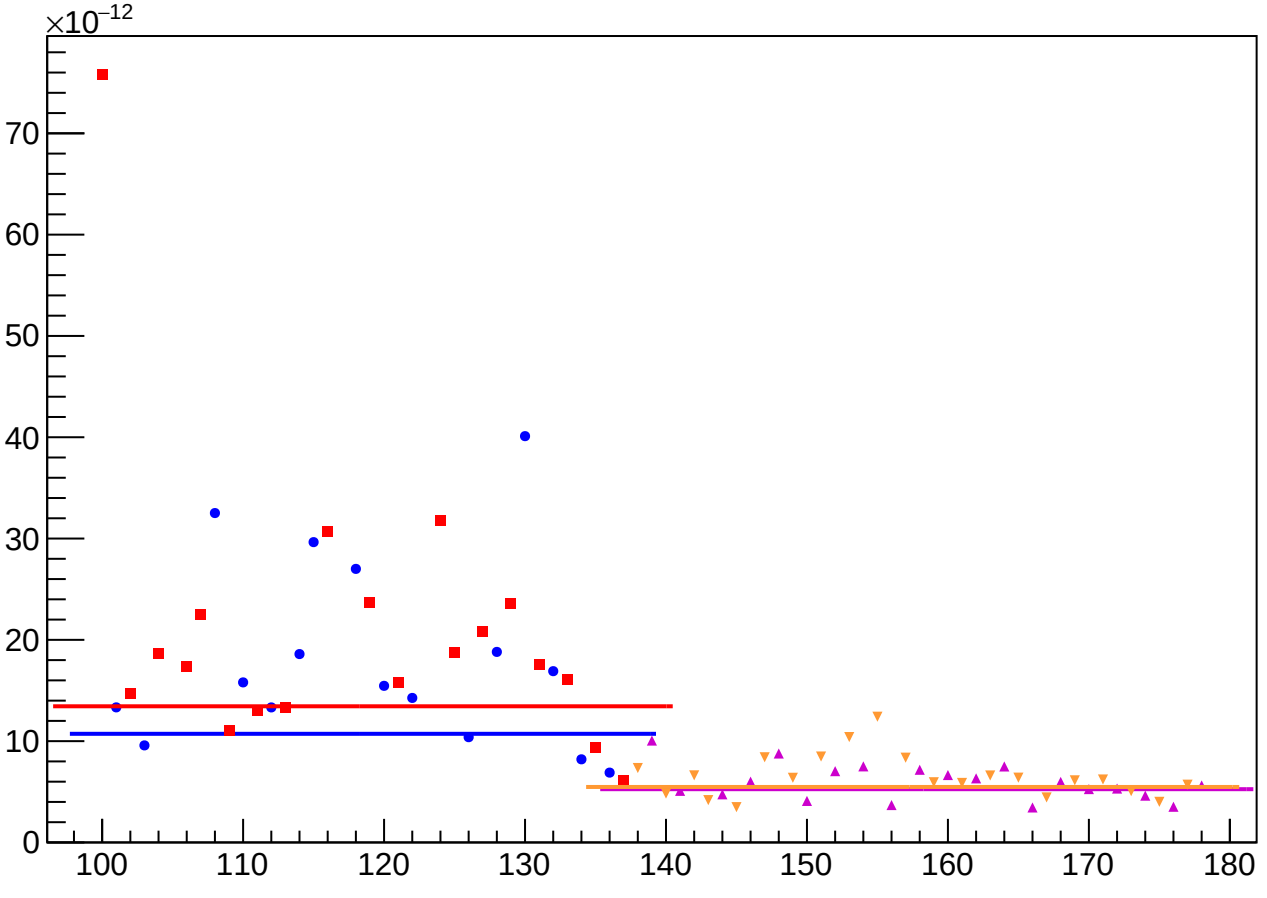
Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:28.4/35

Out: 0.000+/-0.000 χ^2/NDF:38.6/39

All: 0.000+/-0.000 χ^2/NDF: 68.8/75

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1836547.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1884598.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 1402984.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1491708.9/19

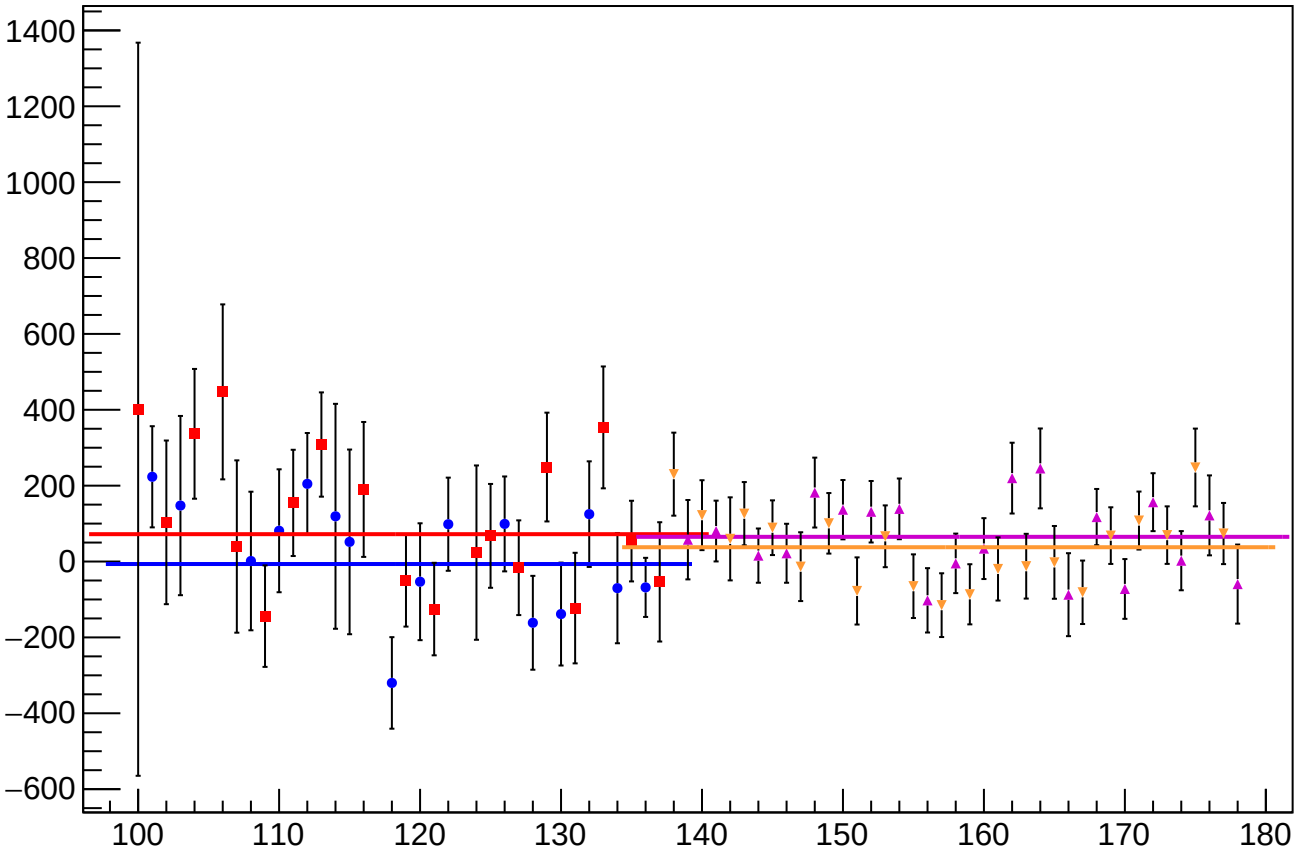
Left: 0.000+/-0.000 χ^2/NDF: 3393130.2/40

Right: 0.000+/-0.000 χ^2/NDF: 3438709.3/34

In: 0.000+/-0.000 χ^2/NDF:5075780.9/35

Out: 0.000+/-0.000 χ^2/NDF:6067216.0/39

All: 0.000+/-0.000 χ^2/NDF: 11172263.6/75



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: 65.104+/-18.882 χ^2/NDF:24.6/19

Left: 51.116+/-13.208 χ^2/NDF: 49.9/40

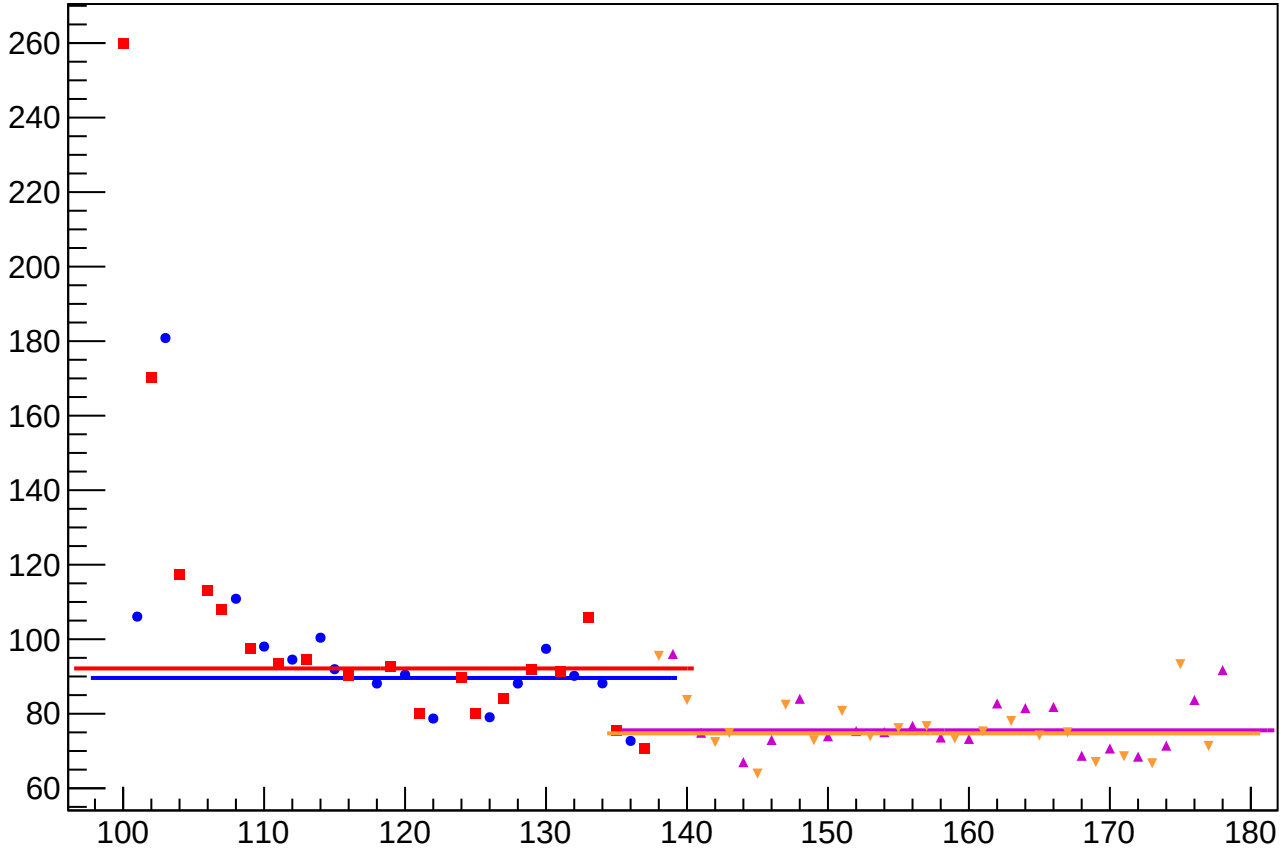
Right: 32.104+/-24.452 χ^2/NDF: 44.3/34

In: 48.427+/-16.539 χ^2/NDF:46.9/35

Out: 45.256+/-16.332 χ^2/NDF:47.8/39

All: 46.822+/-11.621 χ^2/NDF: 94.7/75

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: 75.550+/-0.013 χ^2/NDF:261043.0/19

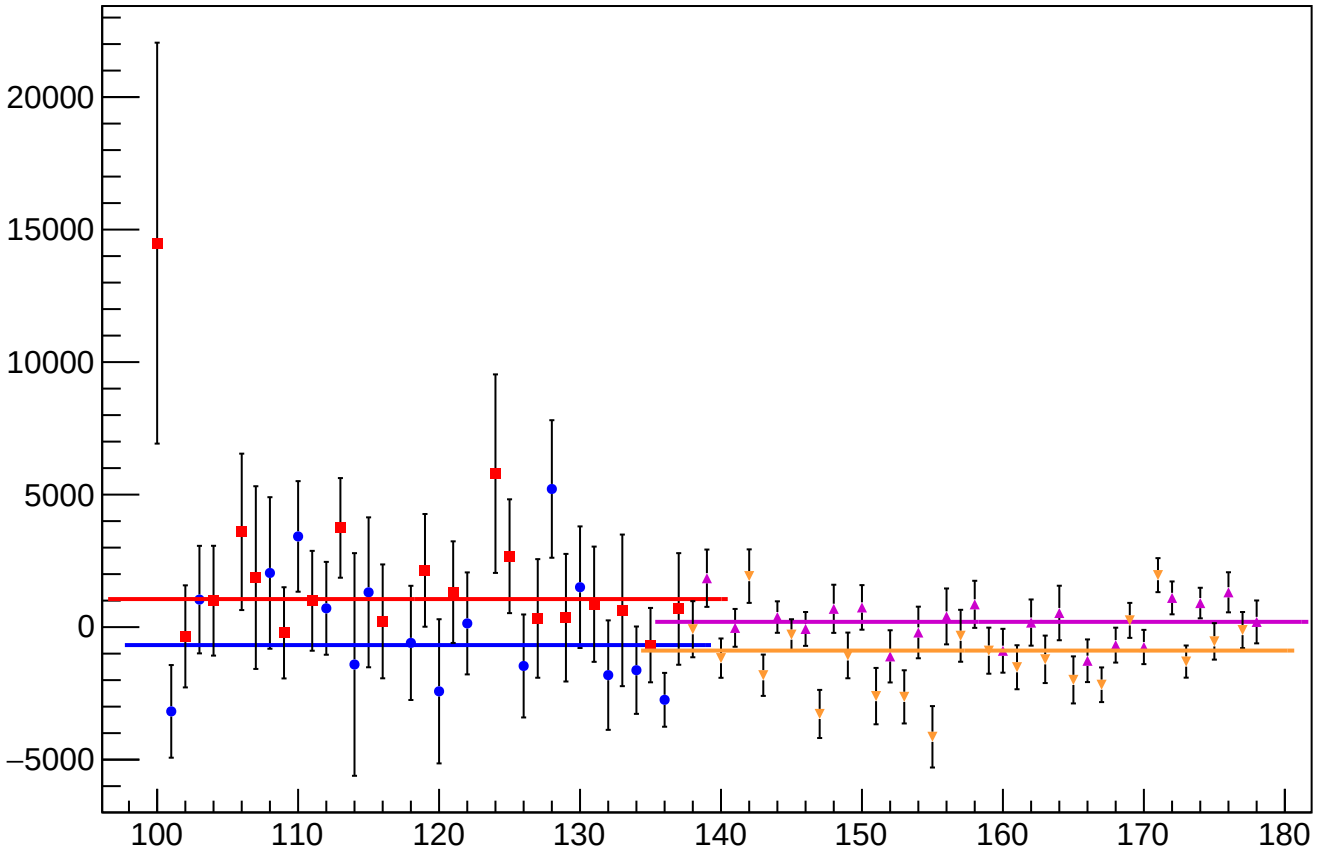
Left: 75.134+/-0.009 χ^2/NDF: 556049.0/40

Right: 90.860+/-0.017 χ^2/NDF: 1045922.9/34

In: 78.821+/-0.012 χ^2/NDF:1017242.0/35

Out: 78.555+/-0.012 χ^2/NDF:1224894.3/39

All: 78.686+/-0.008 χ^2/NDF: 2242398.1/75



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: 198.802+/-171.926 χ^2/NDF:20.8/19

Left: -343.152+/-121.557 χ^2/NDF: 103.3/40

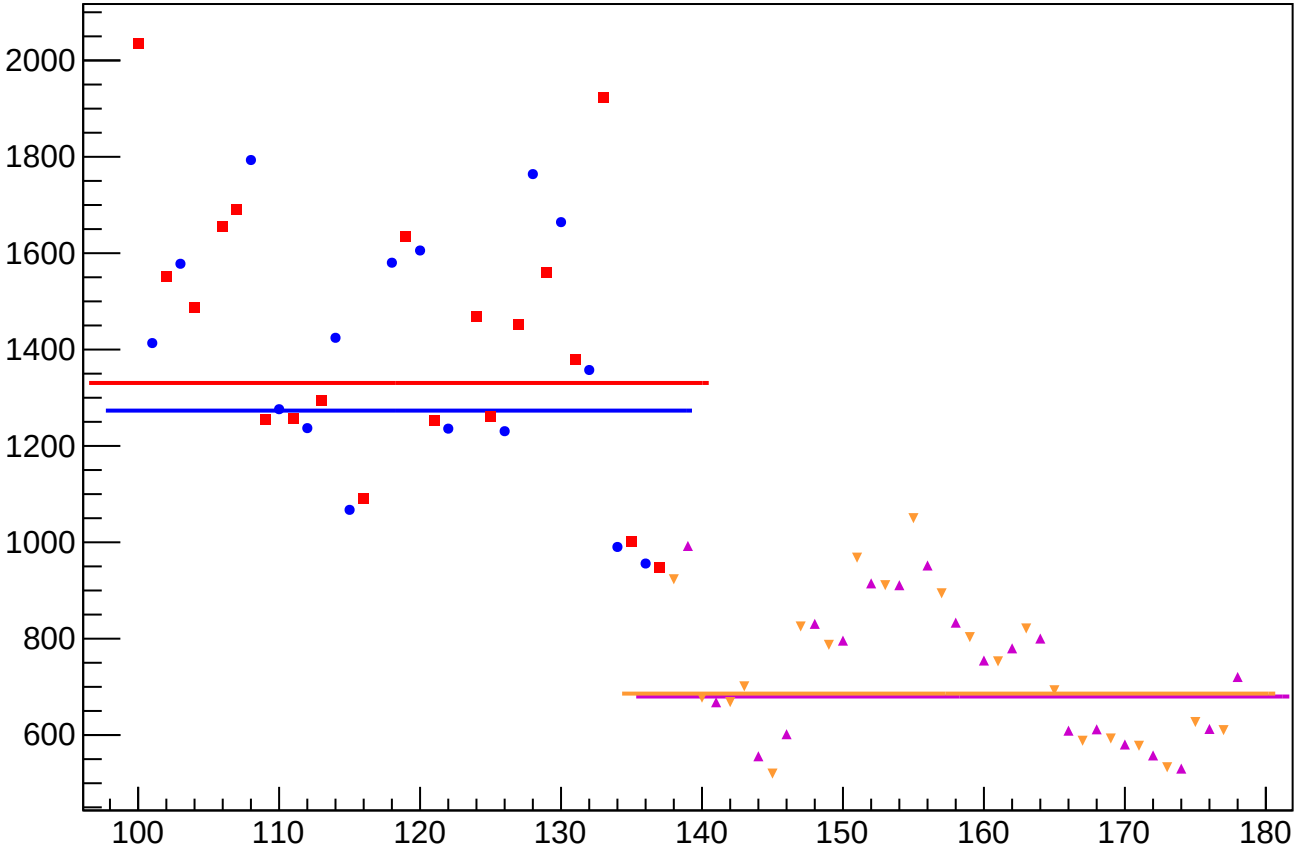
Right: 173.256+/-347.430 χ^2/NDF: 38.0/34

In: 101.520+/-162.101 χ^2/NDF:44.0/35

Out: -676.741+/-162.426 χ^2/NDF:87.7/39

All: -286.832+/-114.737 χ^2/NDF: 143.2/75

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: 679.954+/-0.122 χ^2/NDF:1184126.2/19

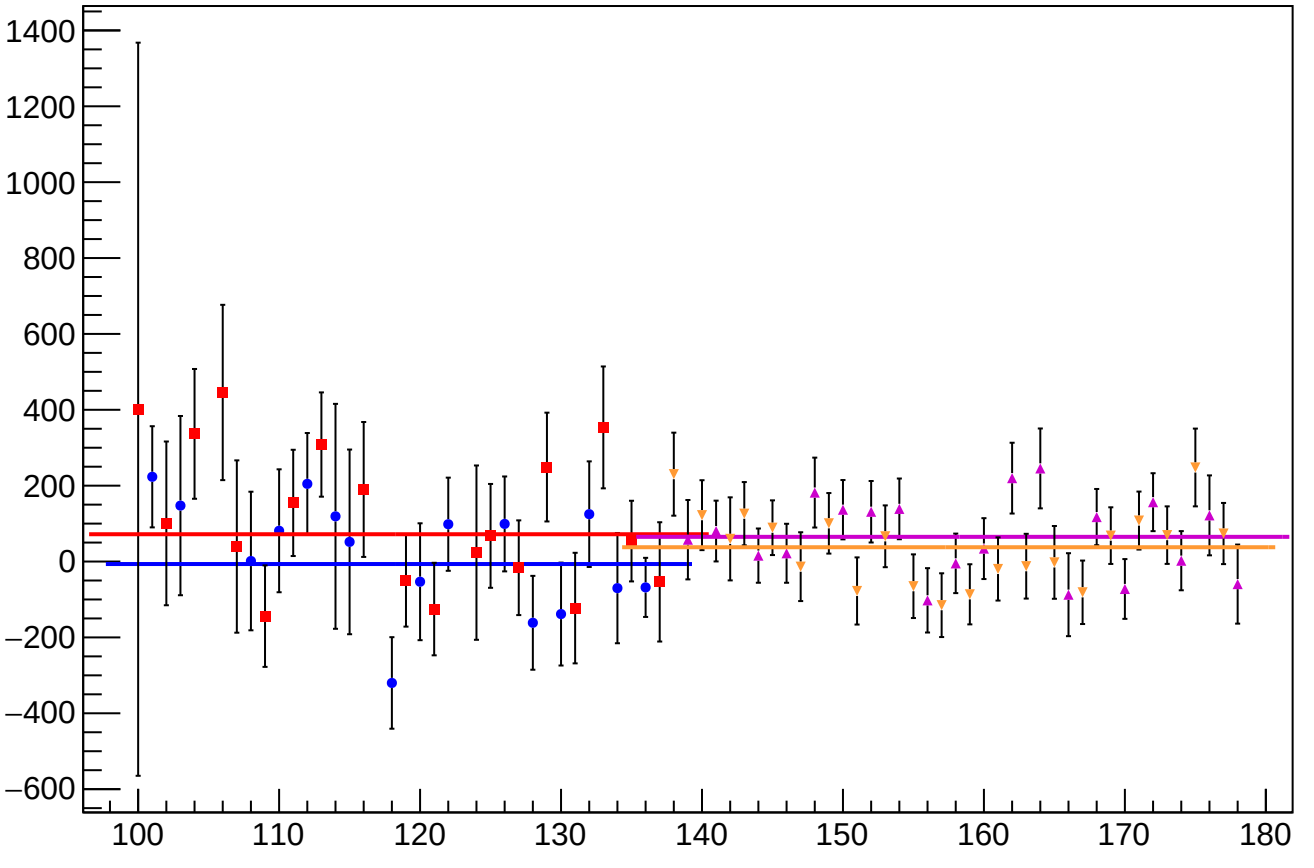
Left: 682.980+/-0.086 χ^2/NDF: 2456942.0/40

Right: 1301.428+/-0.246 χ^2/NDF: 1081847.0/34

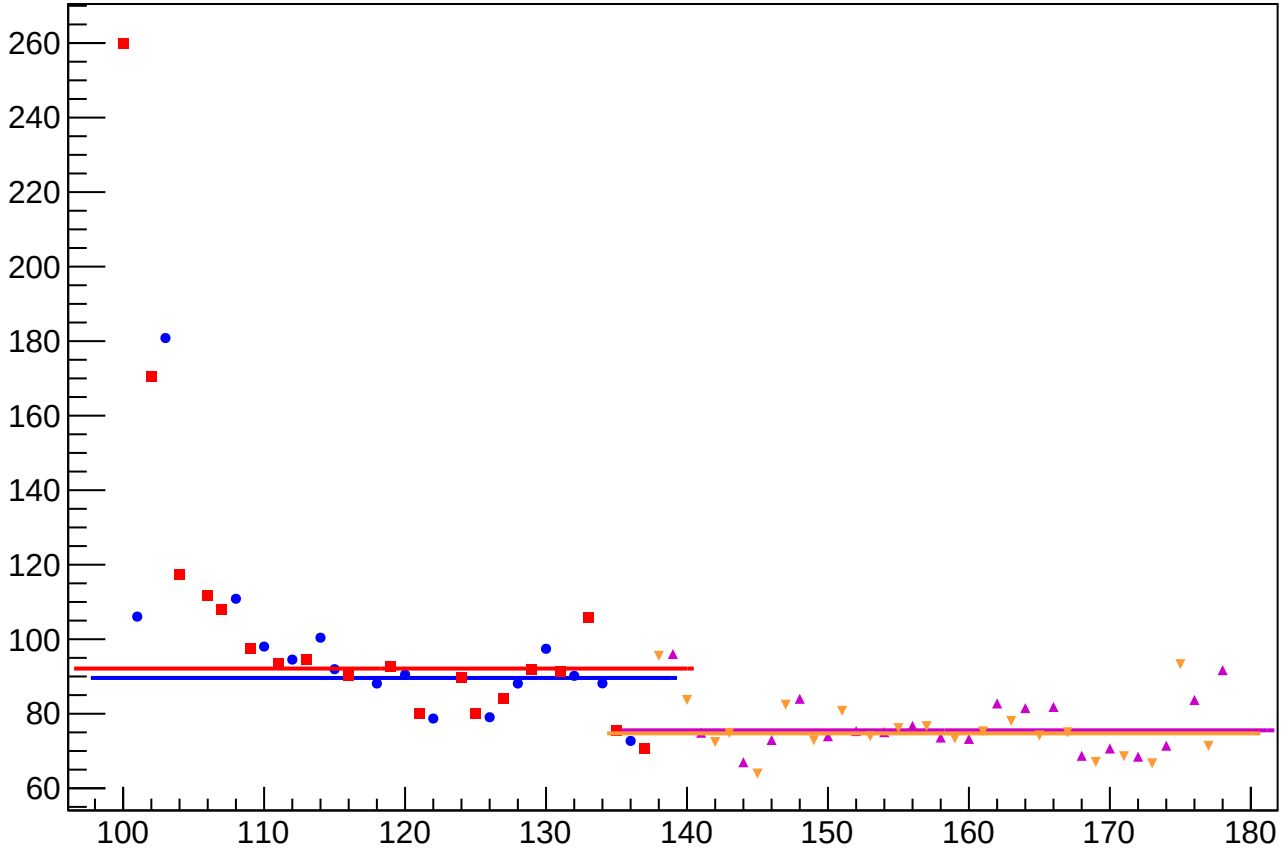
In: 745.836+/-0.115 χ^2/NDF:4426727.1/35

Out: 755.042+/-0.115 χ^2/NDF:4754927.8/39

All: 750.430+/-0.081 χ^2/NDF: 9184873.6/75


cor_asym_sam_2468_avg_mean vs Slug, Sign Corrected
1400
1200
1000
800
600
400
200
0
−200
−400
−600
100
110
120
130
140
150
160
170
180
Right In: -6.568+/-34.286 χ²/NDF: 18.9/15
Left Out: 37.717+/-18.483 χ²/NDF:24.2/20
Right Out: 71.981+/-34.885 χ²/NDF: 22.8/18
Left In: 65.103+/-18.882 χ²/NDF:24.6/19
Left: 51.118+/-13.208 χ²/NDF: 49.9/40
Right: 32.026+/-24.453 χ²/NDF: 44.3/34
In: 48.425+/-16.539 χ²/NDF:46.9/35
Out: 45.227+/-16.332 χ²/NDF:47.7/39
All: 46.806+/-11.621 χ²/NDF: 94.6/75

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: 75.550+/-0.013 χ^2/NDF:261043.0/19

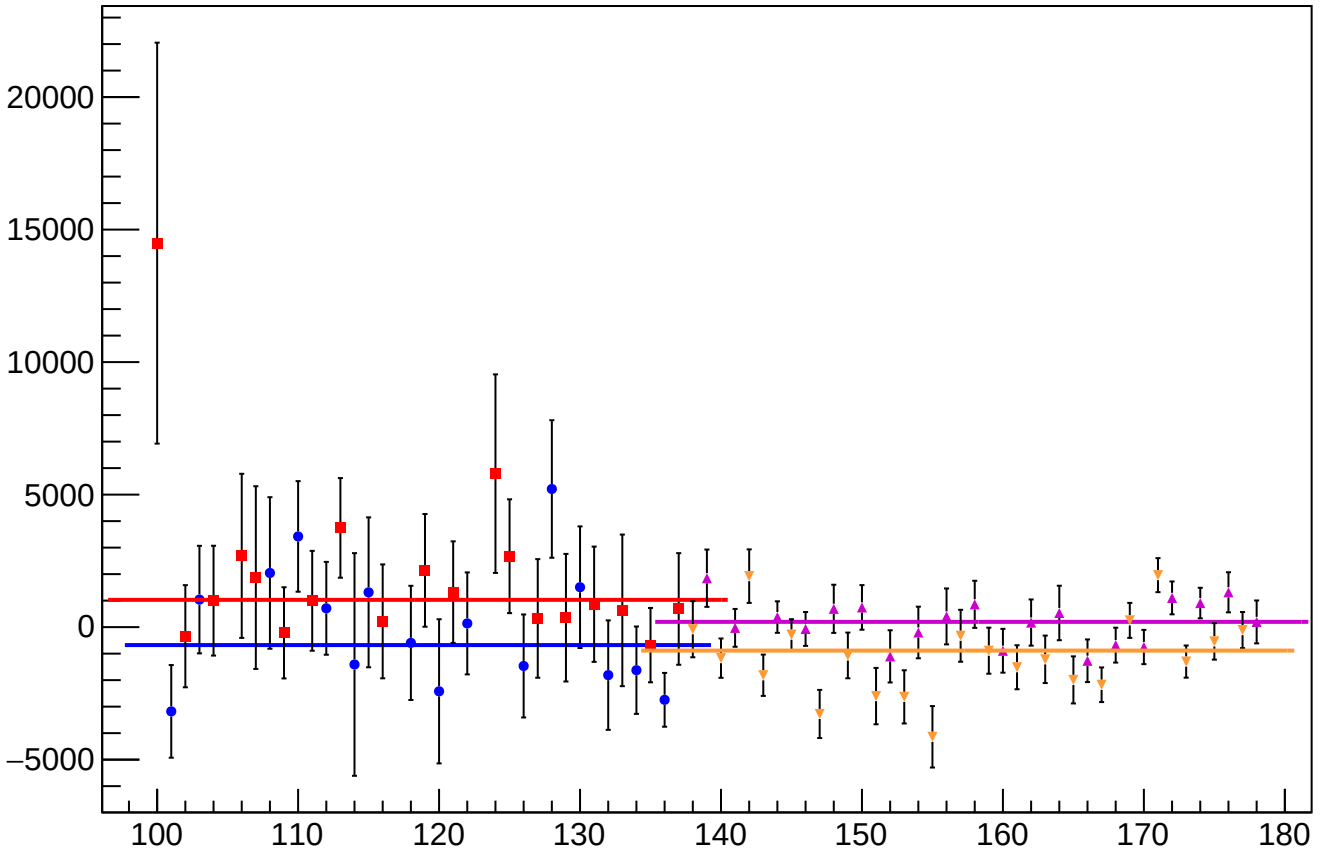
Left: 75.134+/-0.009 χ^2/NDF: 556049.0/40

Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 78.821+/-0.012 χ^2/NDF:1017245.5/35

Out: 78.547+/-0.012 χ^2/NDF:1221674.4/39

All: 78.682+/-0.008 χ^2/NDF: 2239196.1/75



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: 198.803+/-171.926 χ^2/NDF:20.8/19

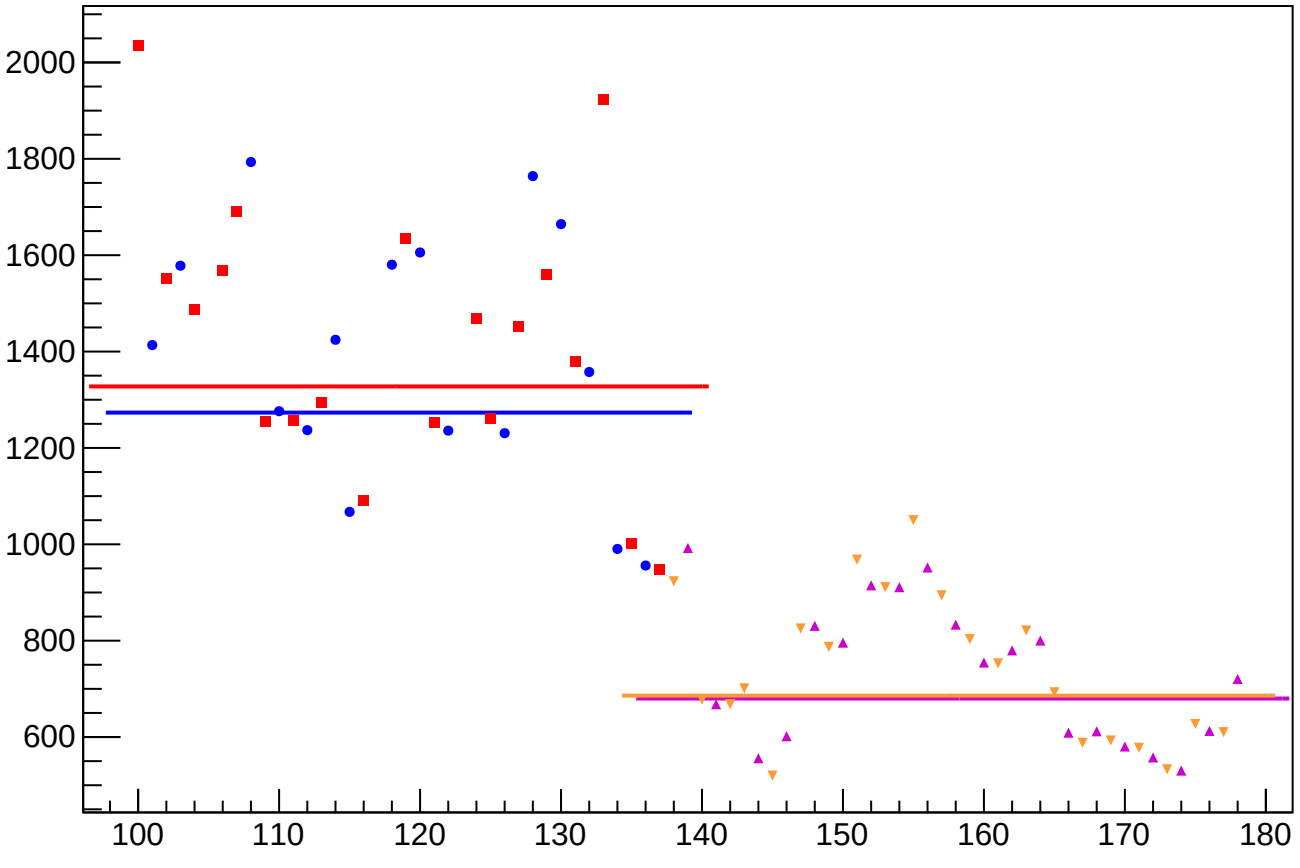
Left: -343.149+/-121.557 χ^2/NDF: 103.3/40

Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 101.525+/-162.101 χ^2/NDF:44.0/35

Out: -680.372+/-162.449 χ^2/NDF:86.8/39

All: -288.585+/-114.746 χ^2/NDF: 142.4/75



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: 679.954+/-0.122 χ^2/NDF:1184124.4/19

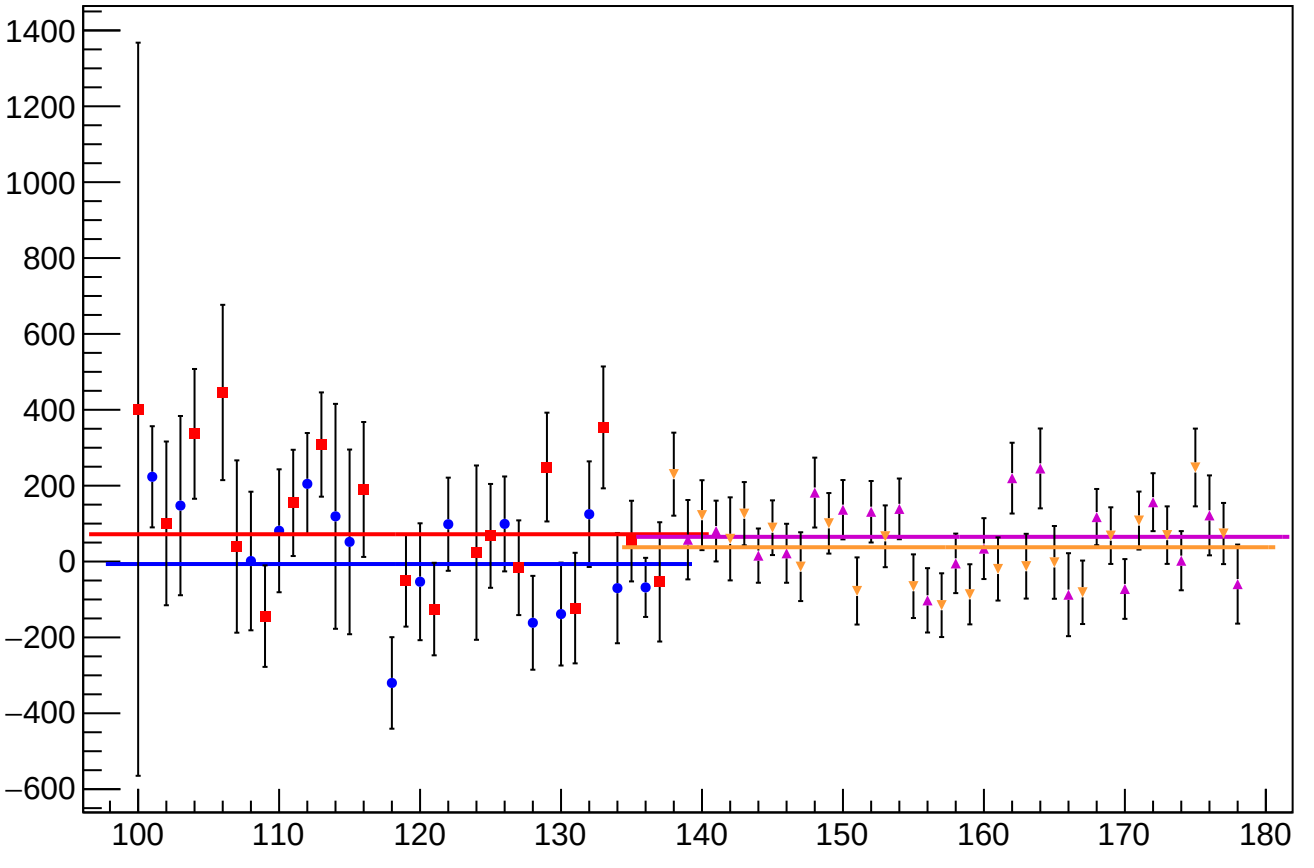
Left: 682.980+/-0.086 χ^2/NDF: 2456944.0/40

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 745.836+/-0.115 χ^2/NDF:4426762.5/35

Out: 754.553+/-0.115 χ^2/NDF:4707375.2/39

All: 750.185+/-0.081 χ^2/NDF: 9137023.1/75



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: 65.103+/-18.882 χ^2/NDF:24.6/19

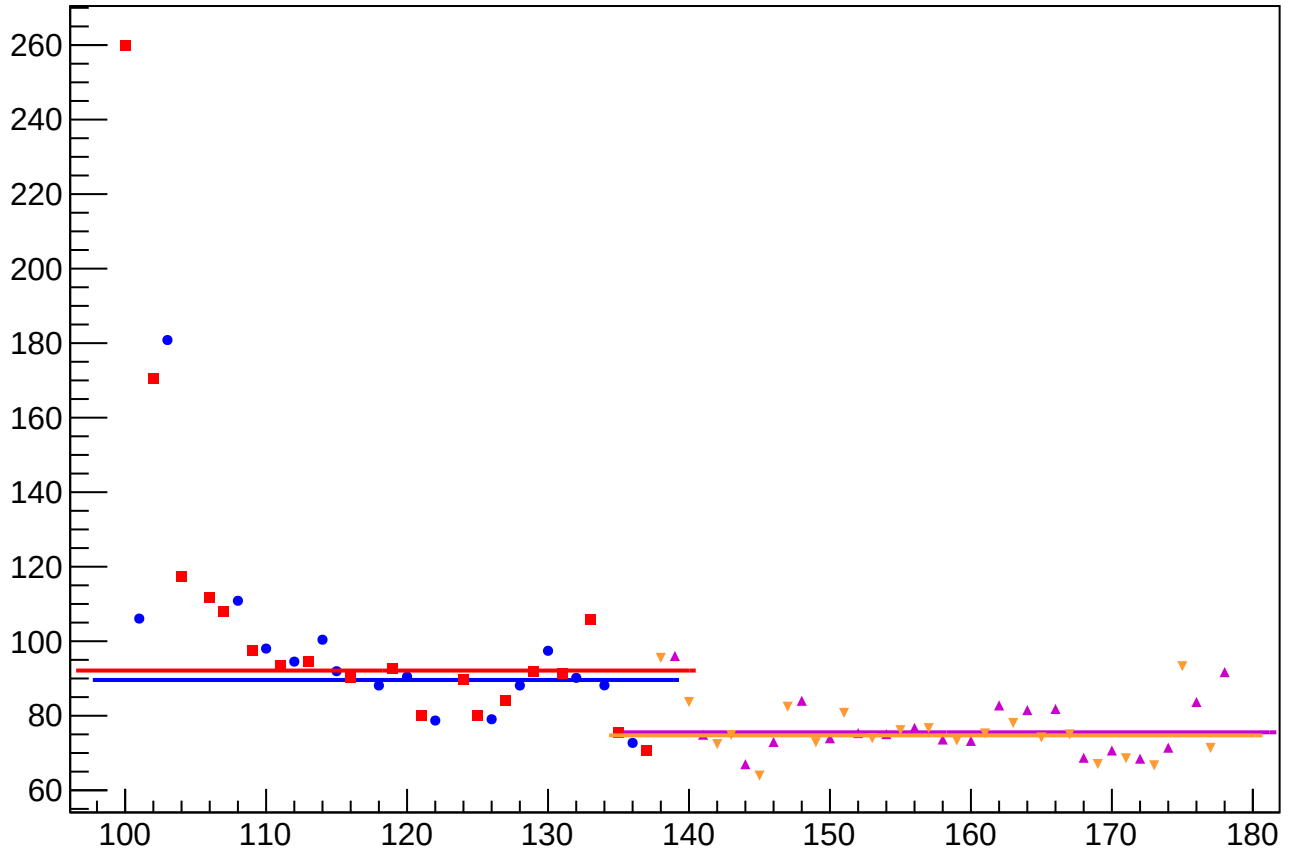
Left: 51.118+/-13.208 χ^2/NDF: 49.9/40

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 48.425+/-16.539 χ^2/NDF:46.9/35

Out: 45.227+/-16.332 χ^2/NDF:47.7/39

All: 46.806+/-11.621 χ^2/NDF: 94.6/75



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: 75.550+/-0.013 χ^2/NDF:261043.0/19

Left: 75.134+/-0.009 χ^2/NDF: 556049.0/40

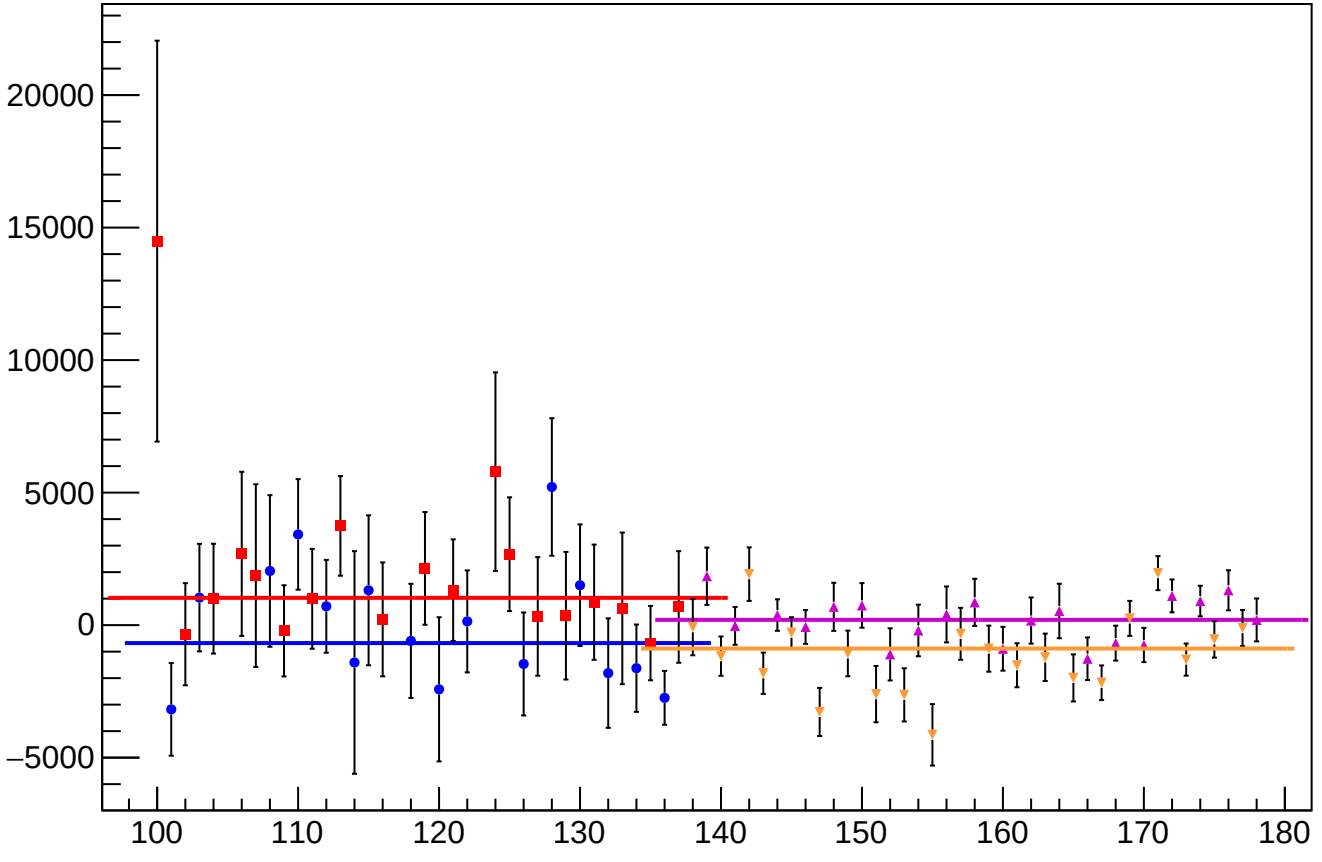
Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 78.821+/-0.012 χ^2/NDF:1017245.5/35

Out: 78.547+/-0.012 χ^2/NDF:1221674.4/39

All: 78.682+/-0.008 χ^2/NDF: 2239196.1/75

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: 198.803+/-171.926 χ^2/NDF:20.8/19

Left: -343.149+/-121.557 χ^2/NDF: 103.3/40

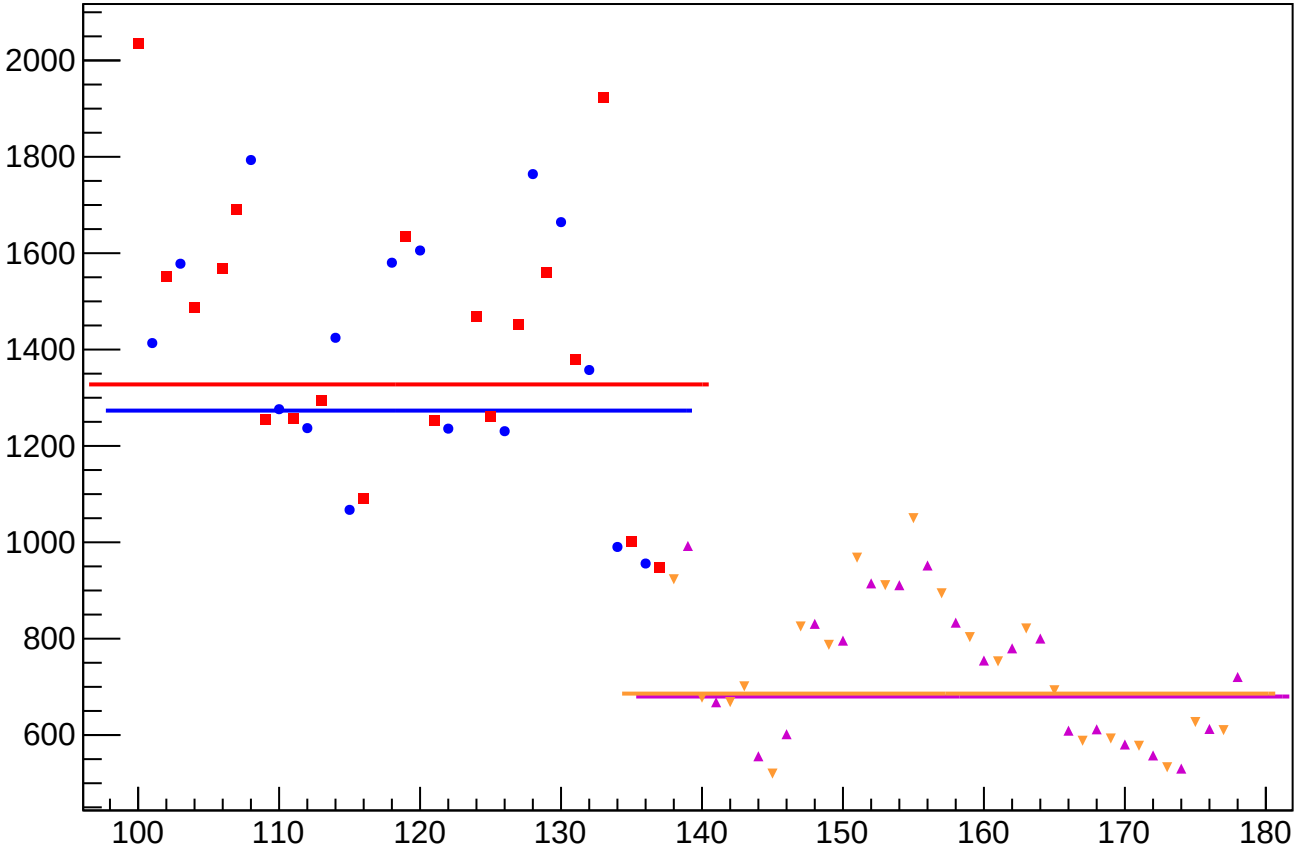
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 101.525+/-162.101 χ^2/NDF:44.0/35

Out: -680.372+/-162.449 χ^2/NDF:86.8/39

All: -288.585+/-114.746 χ^2/NDF: 142.4/75

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: 679.954+/-0.122 χ^2/NDF:1184124.4/19

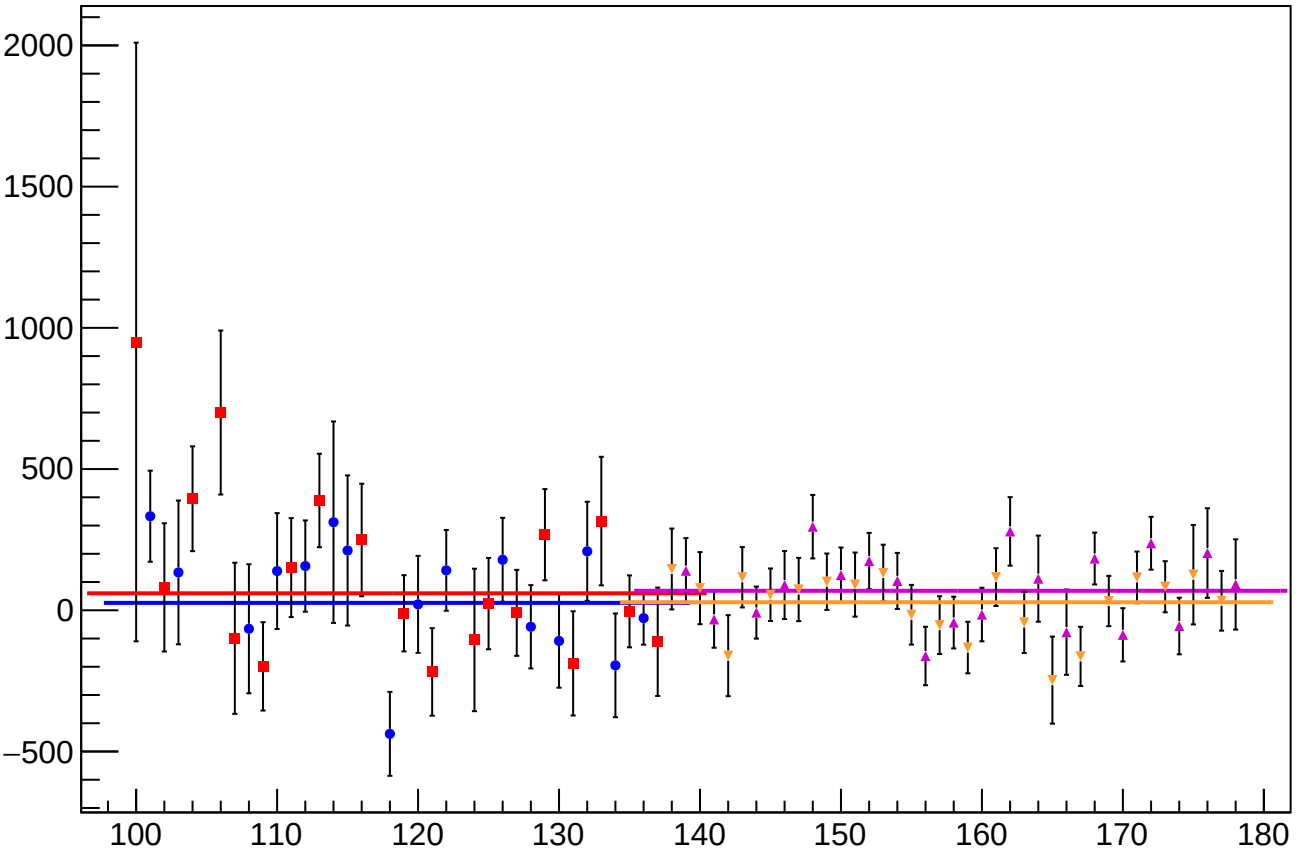
Left: 682.980+/-0.086 χ^2/NDF: 2456944.0/40

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 745.836+/-0.115 χ^2/NDF:4426762.5/35

Out: 754.553+/-0.115 χ^2/NDF:4707375.2/39

All: 750.185+/-0.081 χ^2/NDF: 9137023.1/75



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: 69.017+/-23.897 χ^2/NDF:28.9/19

Left: 48.346+/-16.714 χ^2/NDF: 49.0/40

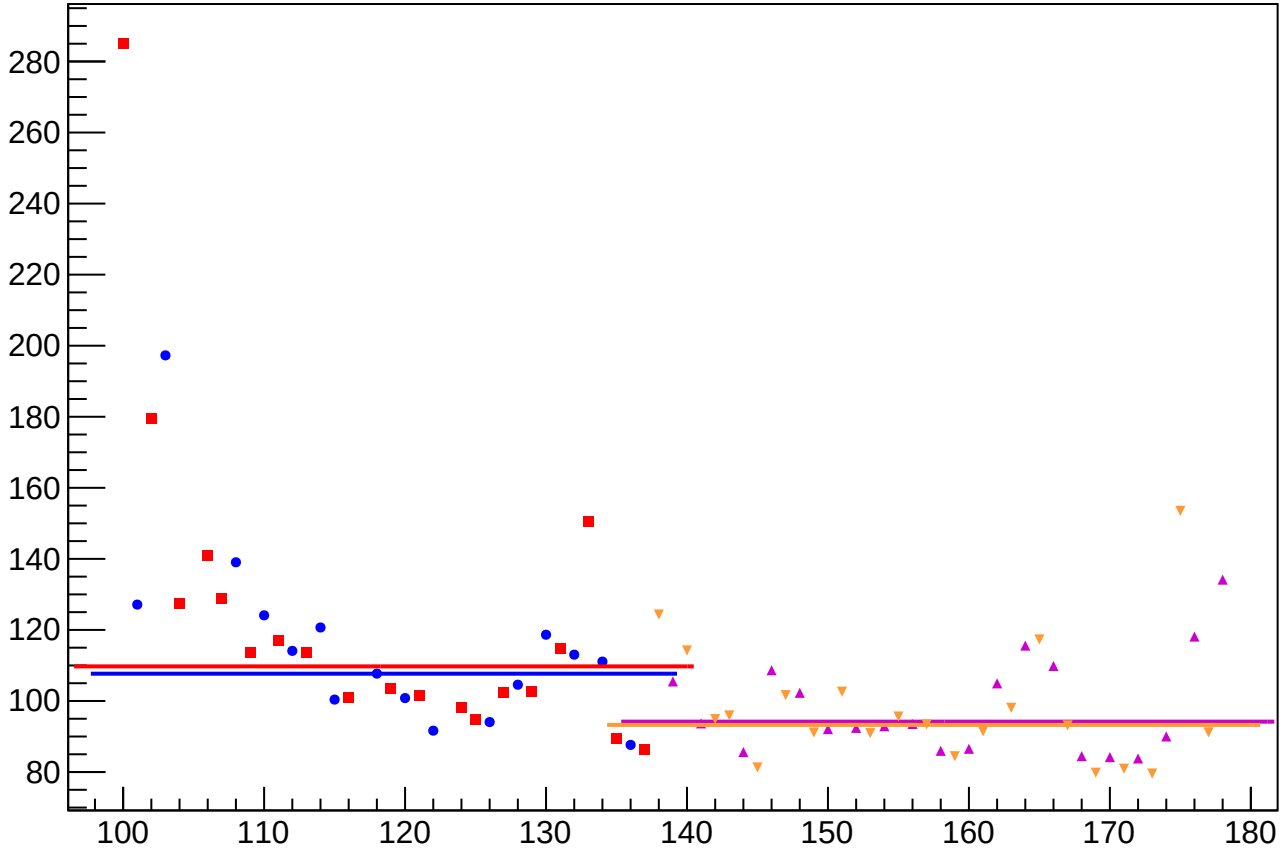
Right: 43.059+/-29.255 χ^2/NDF: 48.7/34

In: 58.259+/-20.674 χ^2/NDF:51.1/35

Out: 36.151+/-20.377 χ^2/NDF:46.1/39

All: 47.045+/-14.513 χ^2/NDF: 97.7/75

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: 94.182+/-0.017 χ^2/NDF:427047.3/19

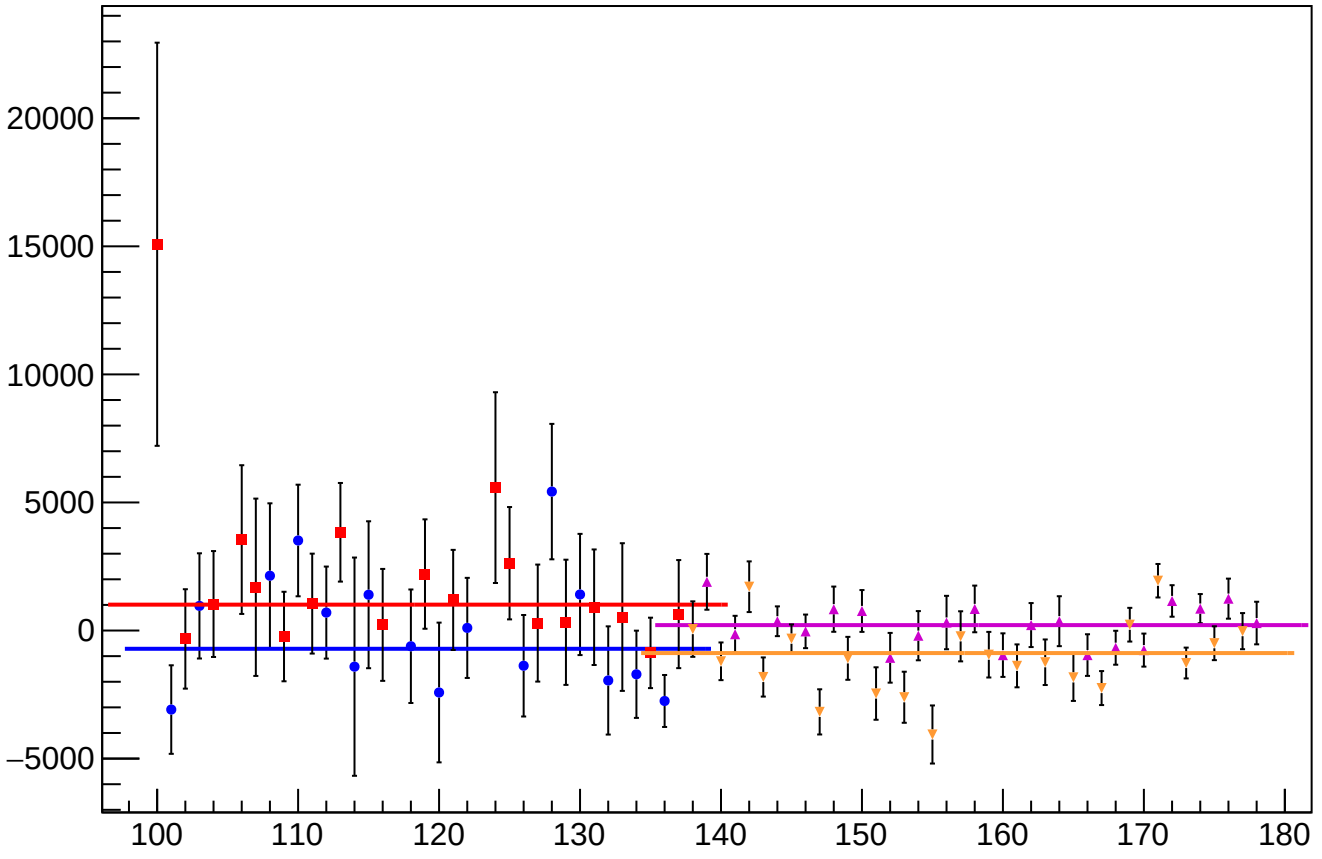
Left: 93.712+/-0.012 χ^2/NDF: 1074015.5/40

Right: 108.702+/-0.021 χ^2/NDF: 977390.9/34

In: 97.578+/-0.015 χ^2/NDF:1070678.3/35

Out: 97.229+/-0.014 χ^2/NDF:1376297.9/39

All: 97.401+/-0.010 χ^2/NDF: 2447264.6/75



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: 211.380+/-171.700 χ^2/NDF:19.7/19

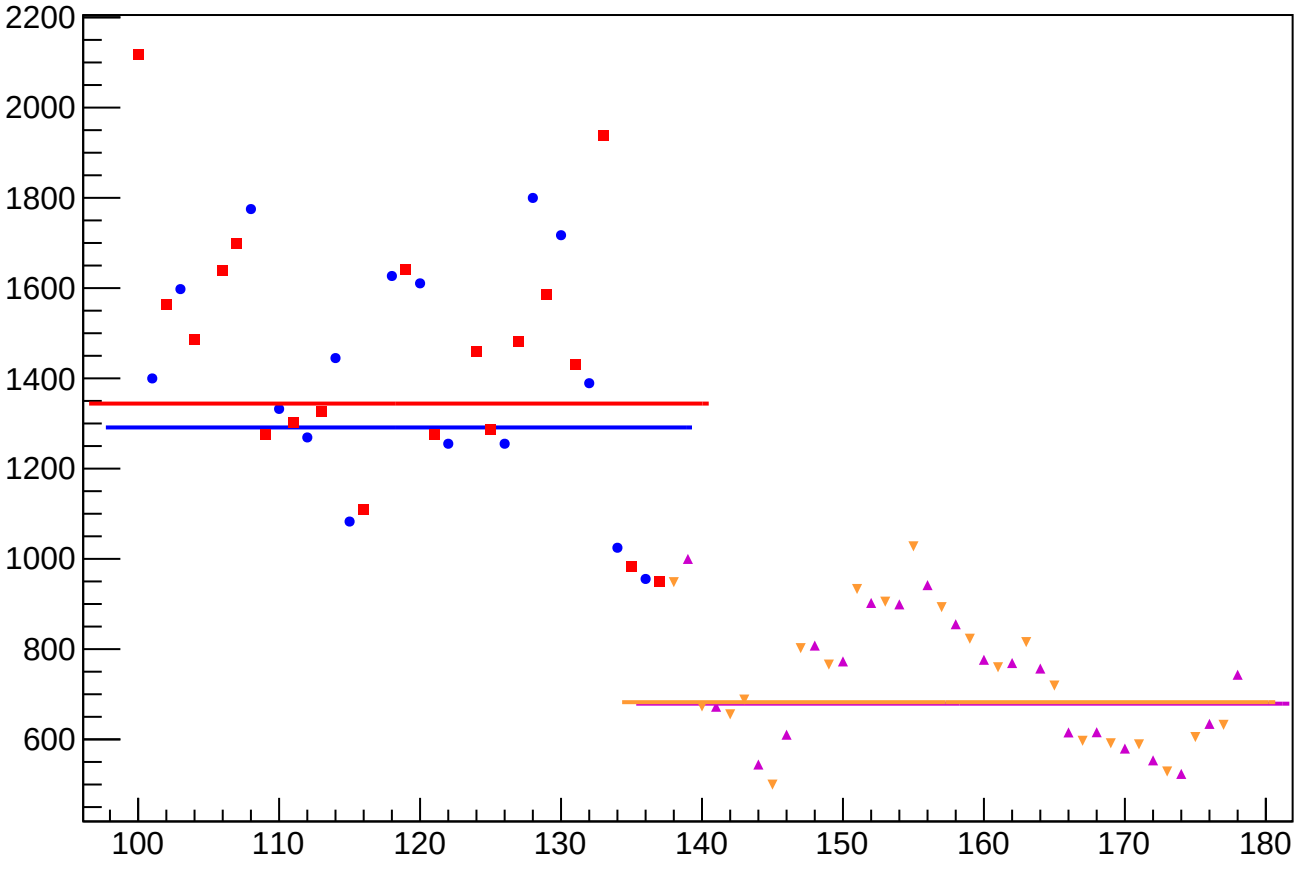
Left: -337.010+/-121.100 χ^2/NDF: 100.3/40

Right: 134.764+/-351.618 χ^2/NDF: 37.9/34

In: 111.489+/-162.156 χ^2/NDF:42.9/35

Out: -683.209+/-161.698 χ^2/NDF:84.8/39

All: -286.983+/-114.500 χ^2/NDF: 139.8/75



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: 679.128+/-0.121 χ^2/NDF:1174622.0/19

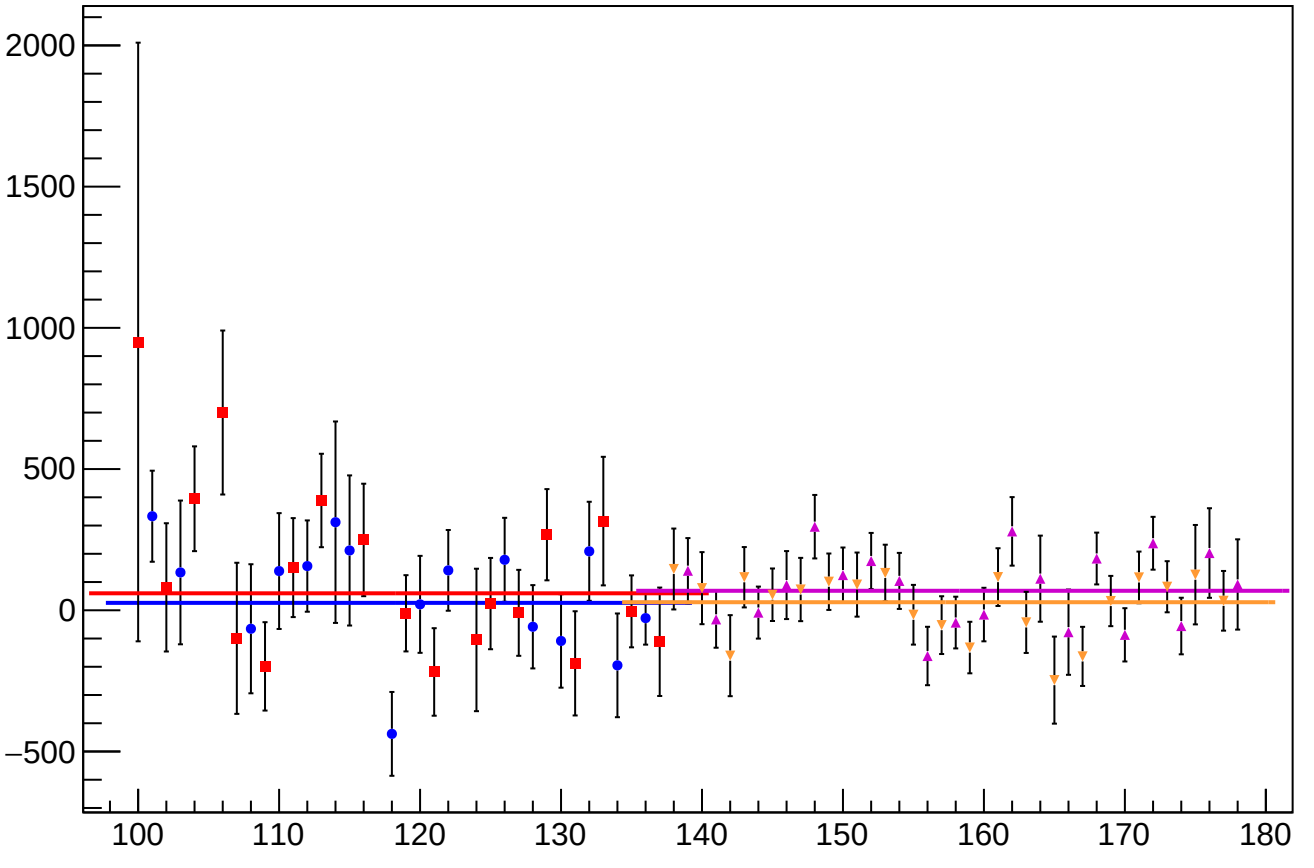
Left: 680.790+/-0.086 χ^2/NDF: 2462618.1/40

Right: 1317.239+/-0.249 χ^2/NDF: 1113173.0/34

In: 745.281+/-0.115 χ^2/NDF:4532502.5/35

Out: 751.259+/-0.114 χ^2/NDF:4899692.0/39

All: 748.278+/-0.081 χ^2/NDF: 9433557.3/75



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: 69.016+/-23.898 χ^2/NDF:28.9/19

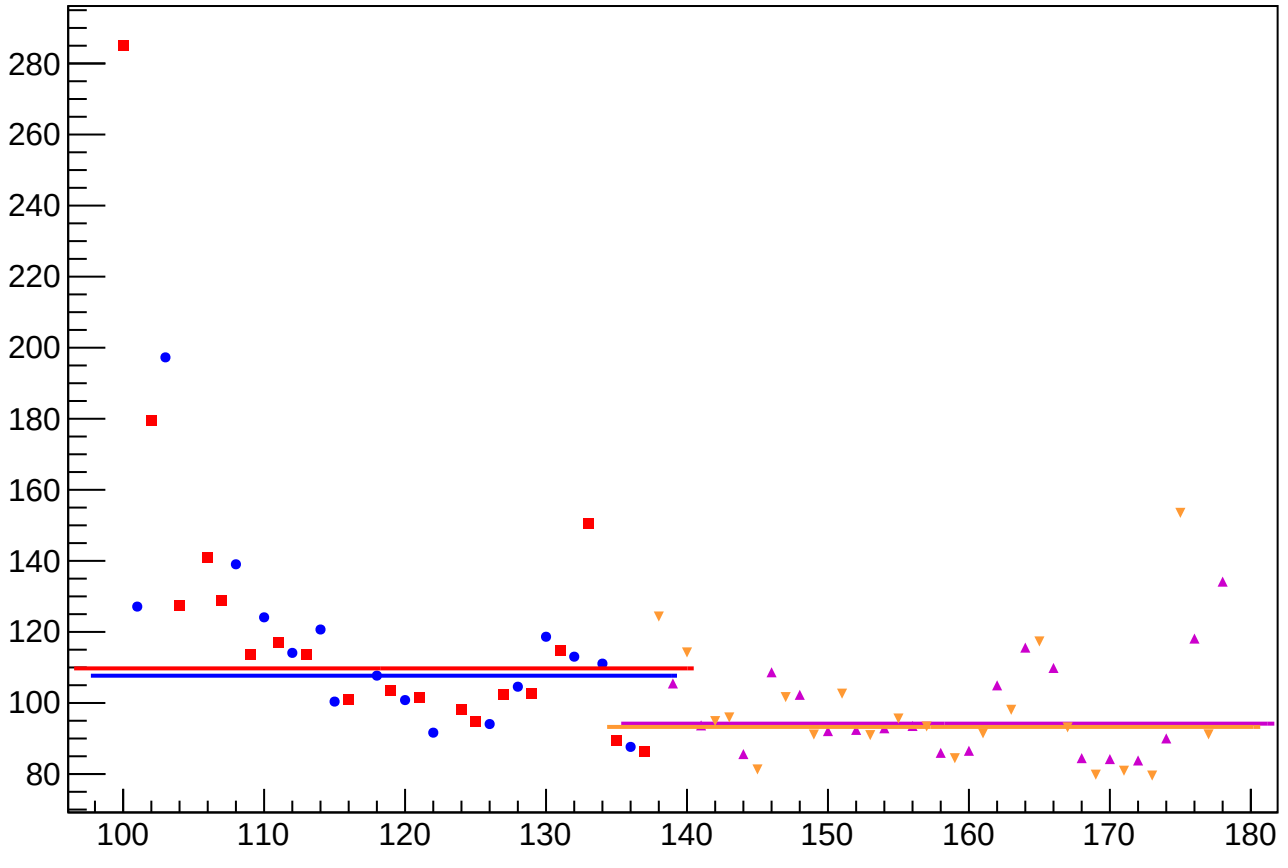
Left: 48.346+/-16.714 χ^2/NDF: 49.0/40

Right: 43.058+/-29.255 χ^2/NDF: 48.7/34

In: 58.258+/-20.674 χ^2/NDF:51.1/35

Out: 36.151+/-20.377 χ^2/NDF:46.1/39

All: 47.044+/-14.513 χ^2/NDF: 97.7/75



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: 94.182+/-0.017 χ^2/NDF:427045.2/19

Left: 93.712+/-0.012 χ^2/NDF: 1074008.2/40

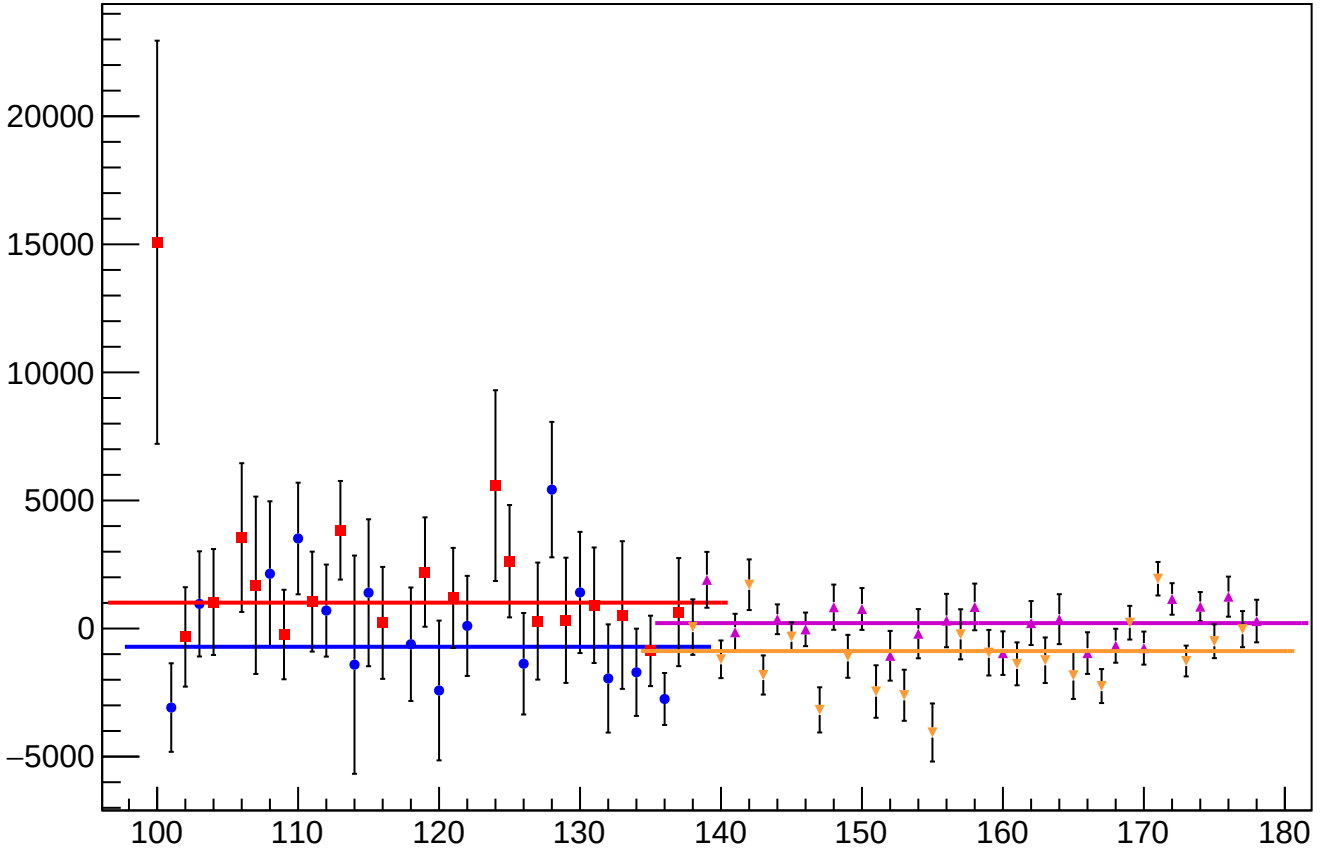
Right: 108.701+/-0.021 χ^2/NDF: 977375.0/34

In: 97.578+/-0.015 χ^2/NDF:1070639.5/35

Out: 97.229+/-0.014 χ^2/NDF:1376265.1/39

All: 97.401+/-0.010 χ^2/NDF: 2447192.9/75

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: 211.379+/-171.699 χ^2/NDF:19.7/19

Left: -337.009+/-121.100 χ^2/NDF: 100.3/40

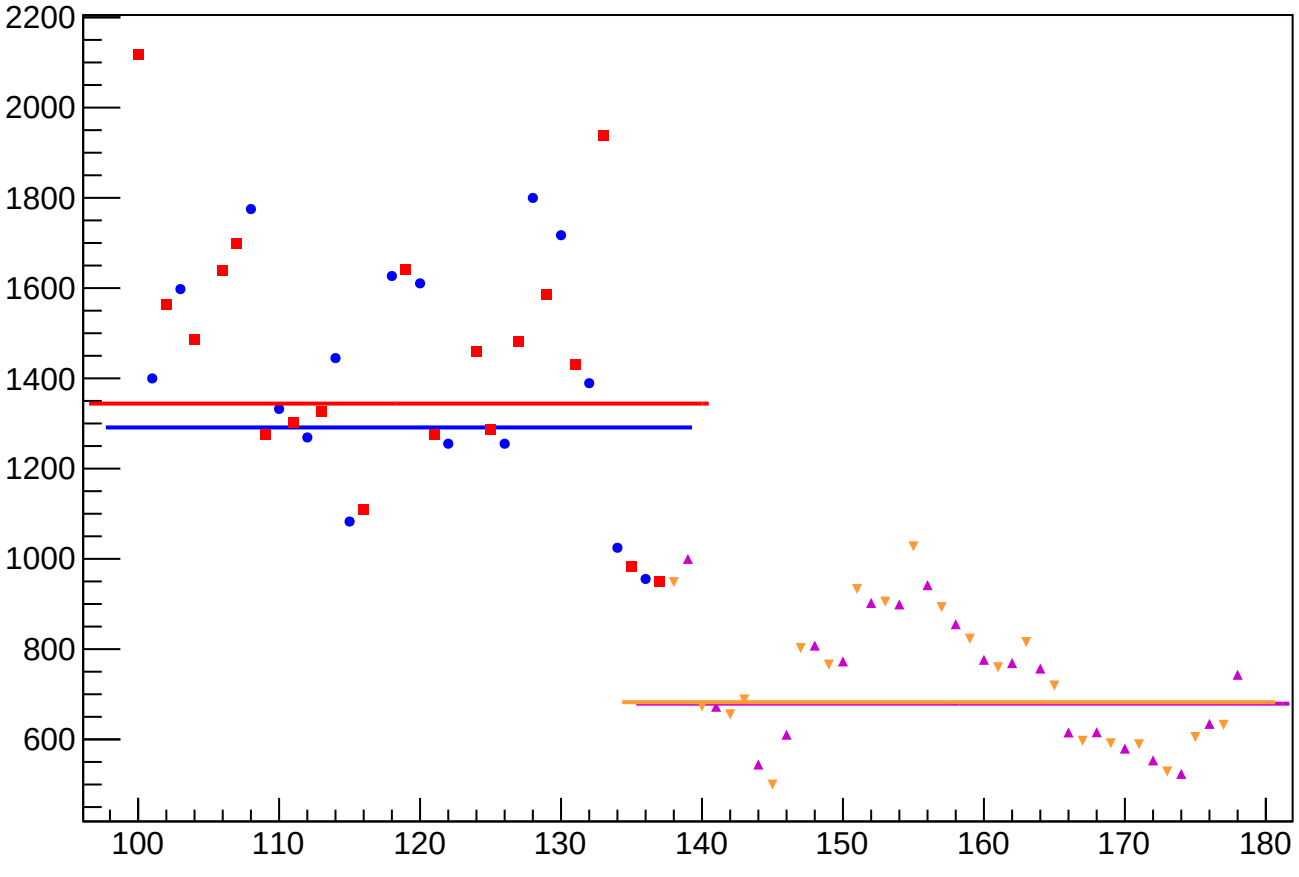
Right: 134.766+/-351.618 χ^2/NDF: 37.9/34

In: 111.488+/-162.156 χ^2/NDF:42.9/35

Out: -683.207+/-161.698 χ^2/NDF:84.8/39

All: -286.983+/-114.499 χ^2/NDF: 139.8/75

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: 679.127+/-0.121 χ^2/NDF:1174624.8/19

Left: 680.789+/-0.086 χ^2/NDF: 2462628.2/40

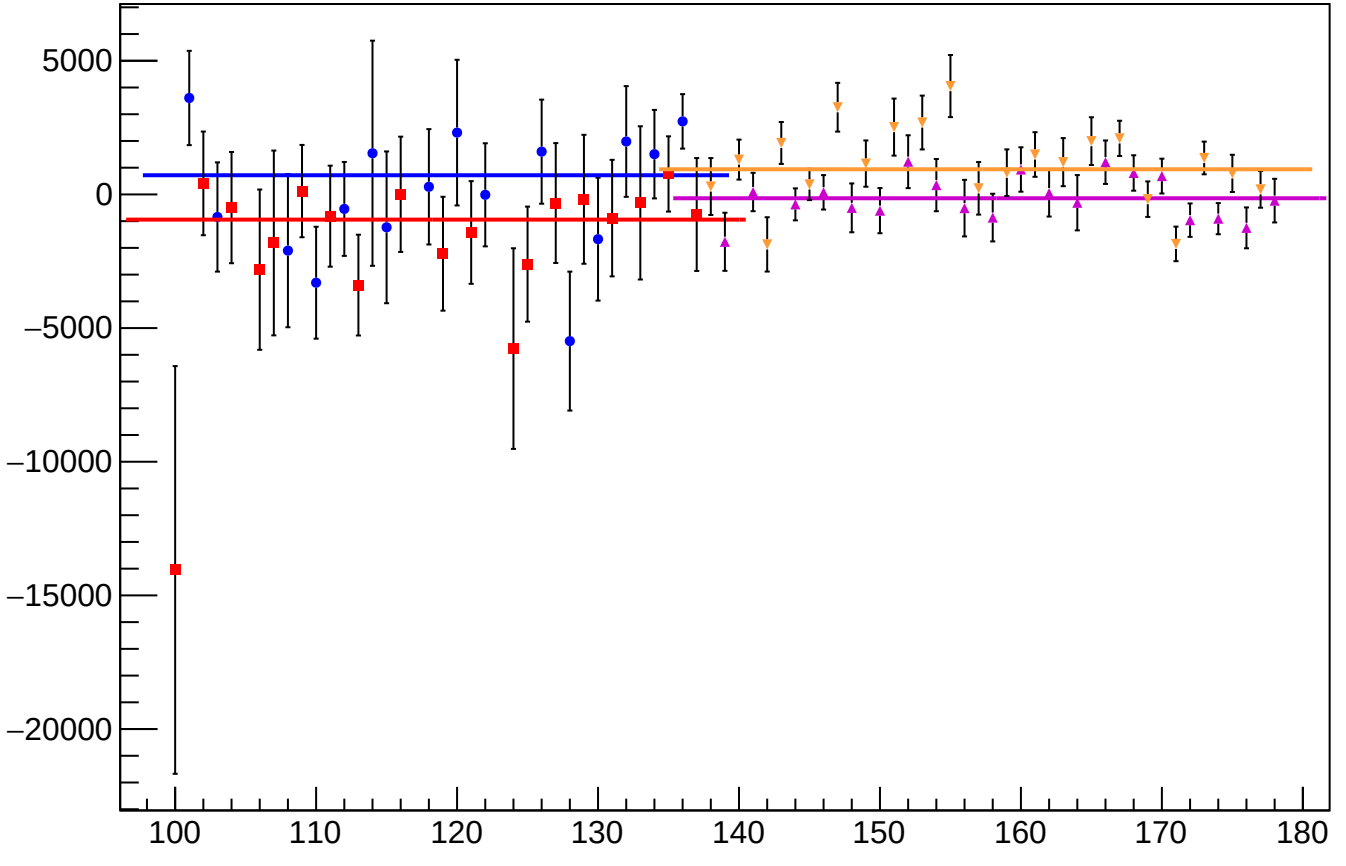
Right: 1317.235+/-0.249 χ^2/NDF: 1113170.2/34

In: 745.279+/-0.115 χ^2/NDF:4532503.1/35

Out: 751.257+/-0.114 χ^2/NDF:4899696.7/39

All: 748.277+/-0.081 χ^2/NDF: 9433562.5/75

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: -143.436+/-173.115 χ^2/NDF:19.7/19

Left: 399.023+/-122.378 χ^2/NDF: 97.8/40

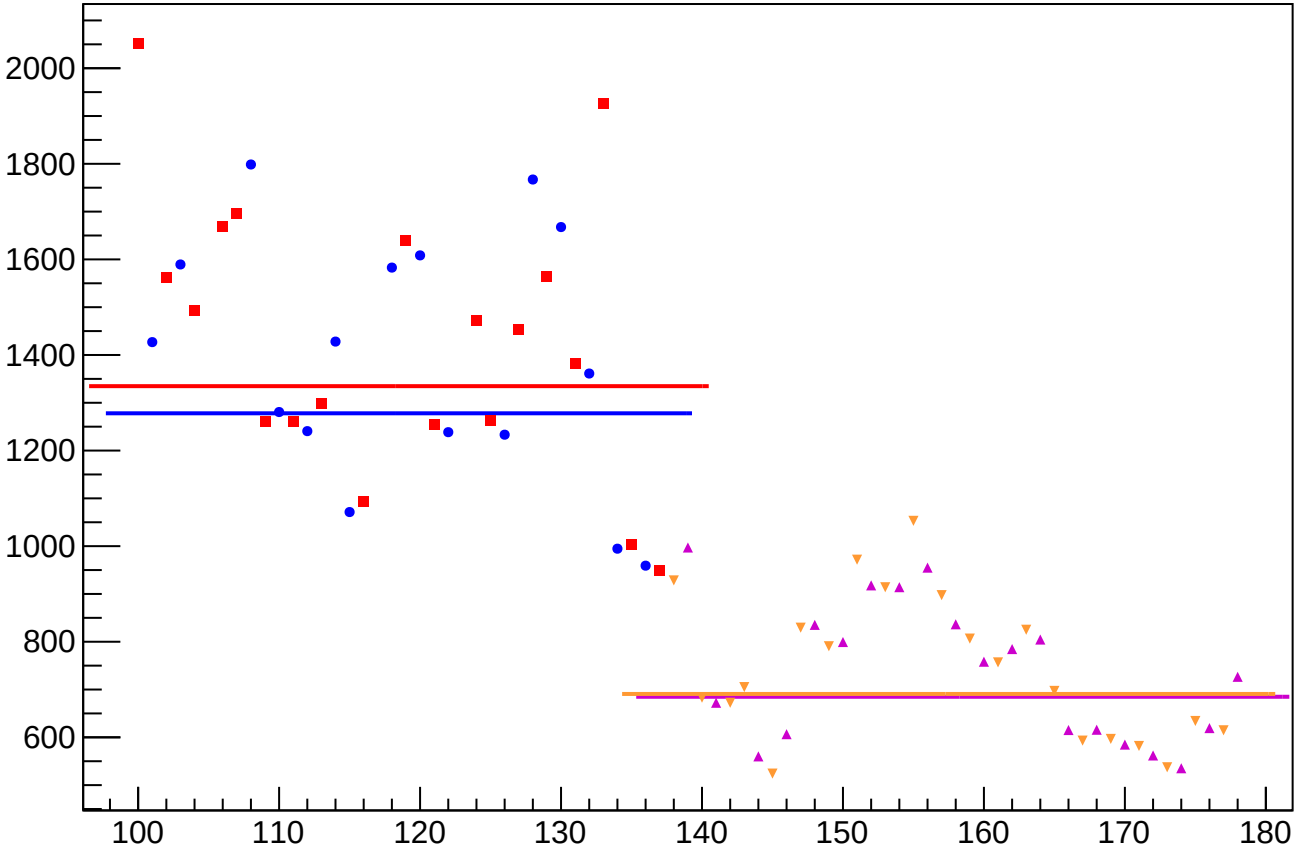
Right: -95.832+/-348.655 χ^2/NDF: 37.2/34

In: -47.274+/-163.162 χ^2/NDF:43.5/35

Out: 738.104+/-163.441 χ^2/NDF:81.8/39

All: 344.743+/-115.471 χ^2/NDF: 136.8/75

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: 684.875+/-0.122 χ^2/NDF:1164144.0/19

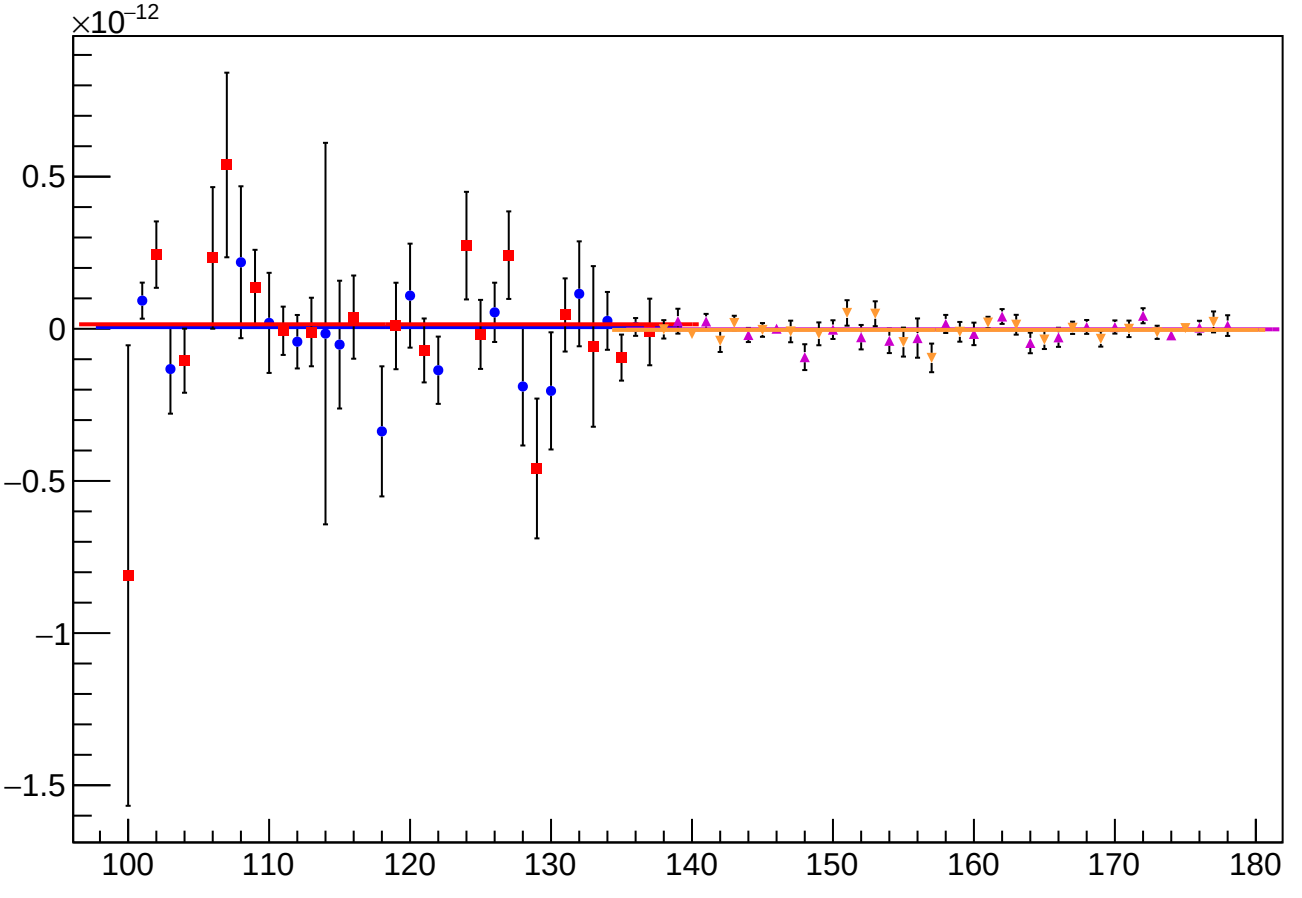
Left: 687.813+/-0.087 χ^2/NDF: 2417085.7/40

Right: 1305.812+/-0.247 χ^2/NDF: 1082827.2/34

In: 751.112+/-0.115 χ^2/NDF:4383597.0/35

Out: 760.103+/-0.116 χ^2/NDF:4707730.8/39

All: 755.600+/-0.082 χ^2/NDF: 9094359.1/75



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:19.4/19

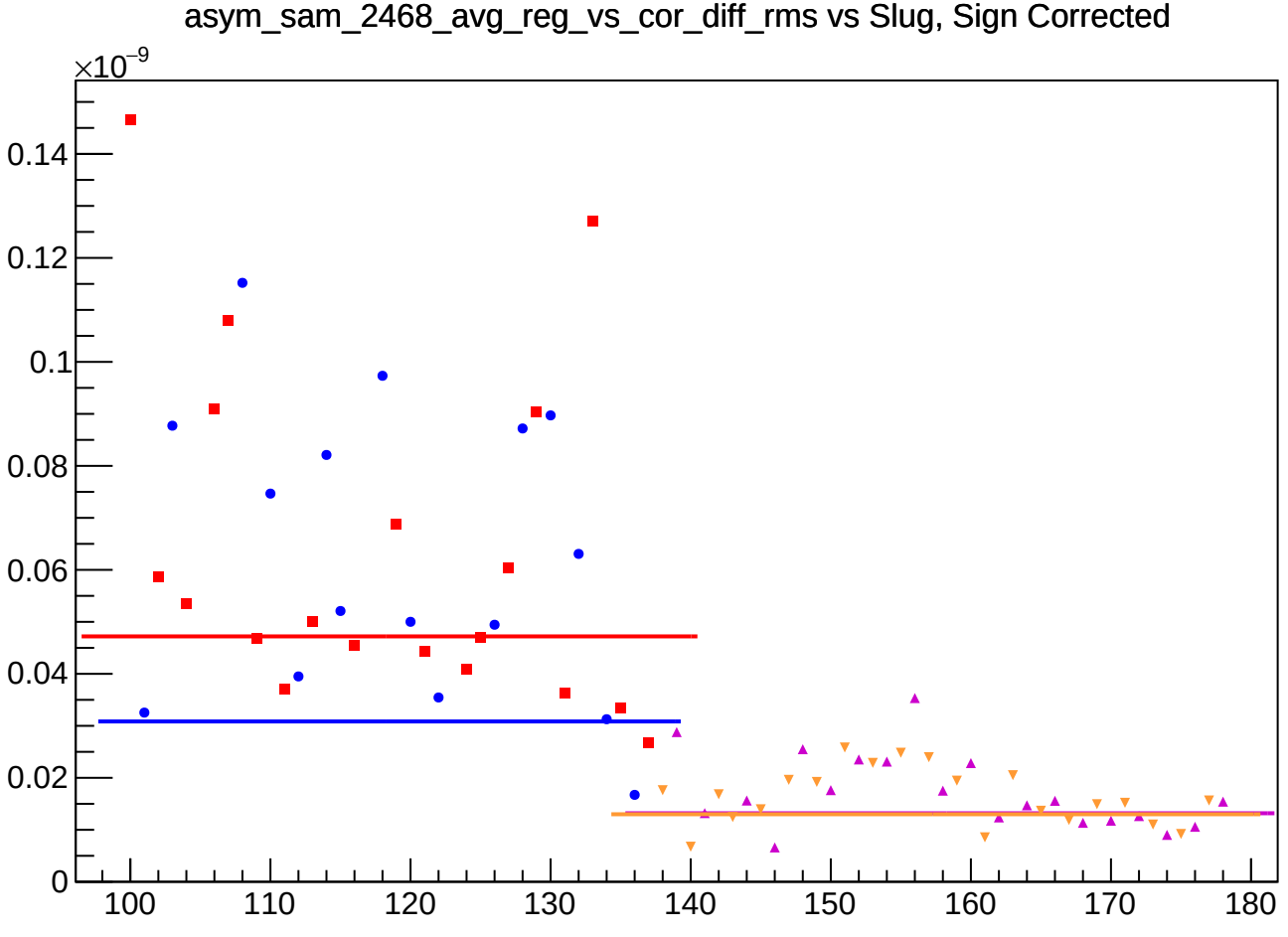
Left: -0.000+/-0.000 χ^2/NDF: 35.6/40

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: -0.000+/-0.000 χ^2/NDF:31.2/35

Out: -0.000+/-0.000 χ^2/NDF:40.3/39

All: -0.000+/-0.000 χ^2/NDF: 71.5/75



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:1809876.5/19

Left: 0.000+/-0.000 χ^2/NDF: 3372749.5/40

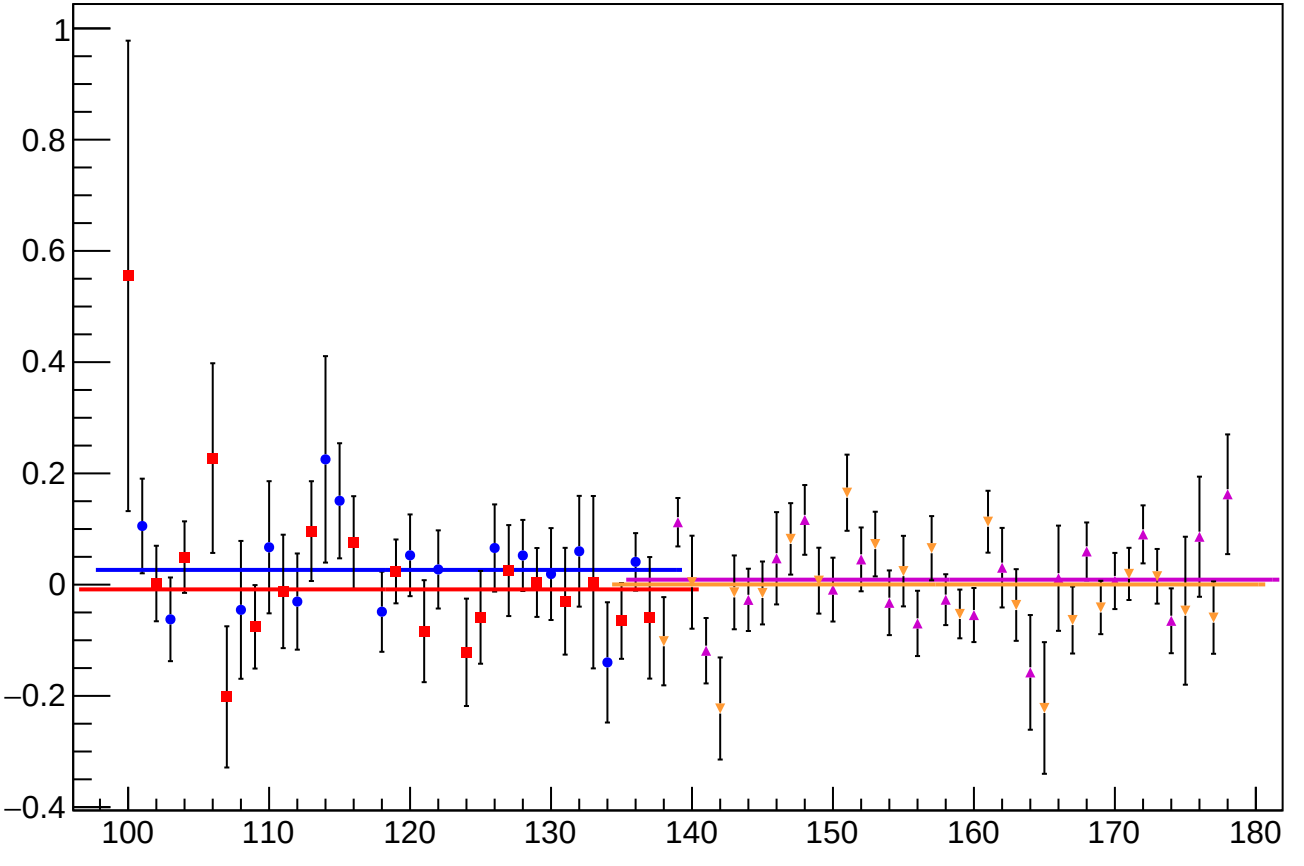
Right: 0.000+/-0.000 χ^2/NDF: 3051679.0/34

In: 0.000+/-0.000 χ^2/NDF:4972452.2/35

Out: 0.000+/-0.000 χ^2/NDF:5036514.1/39

All: 0.000+/-0.000 χ^2/NDF: 10009552.3/75

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: 0.009+/-0.013 χ^2/NDF:29.3/19

Left: 0.005+/-0.009 χ^2/NDF: 60.1/40

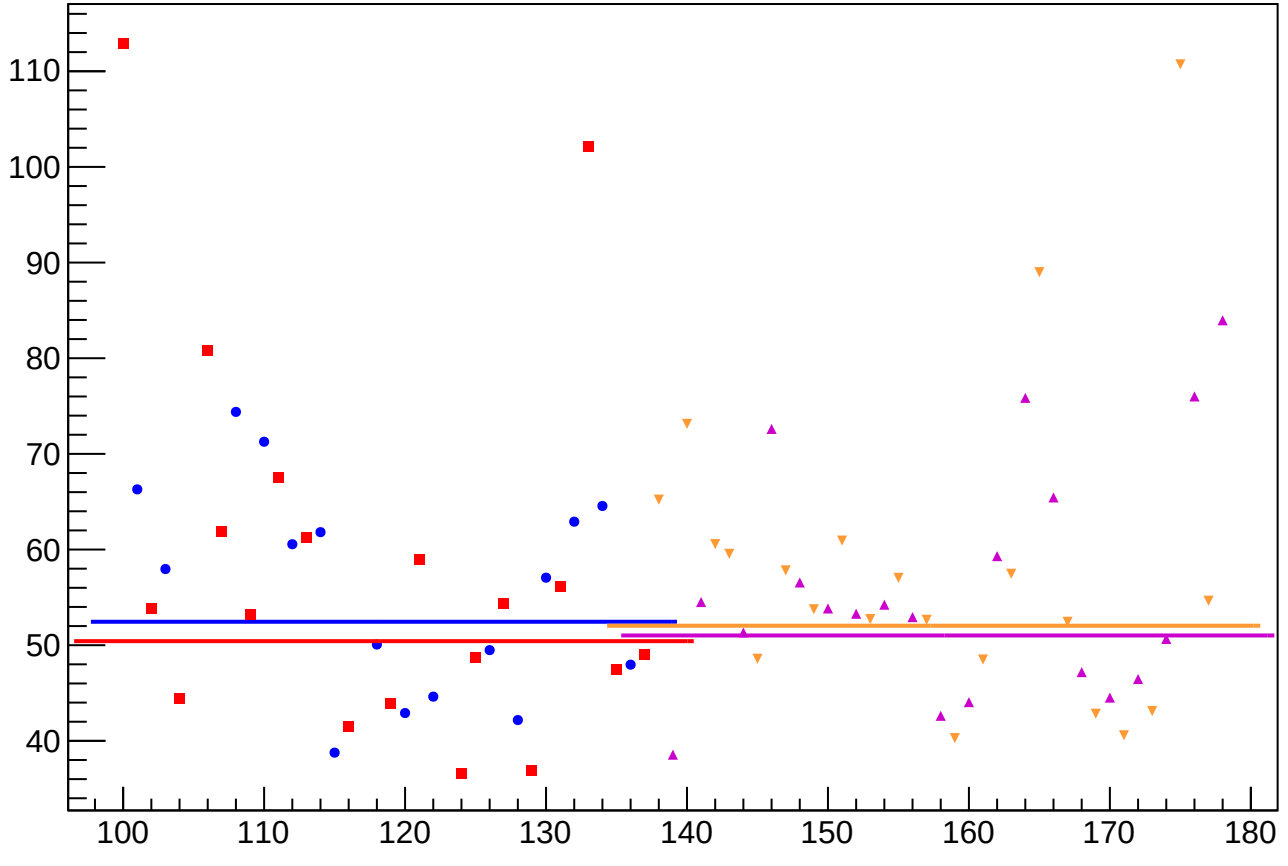
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.014+/-0.011 χ^2/NDF:39.8/35

Out: -0.002+/-0.011 χ^2/NDF:44.7/39

All: 0.006+/-0.008 χ^2/NDF: 85.6/75

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 52.039+/-0.009 χ^2/NDF:1310326.7/20

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 51.017+/-0.009 χ^2/NDF:990154.1/19

Left: 51.526+/-0.007 χ^2/NDF: 2306321.2/40

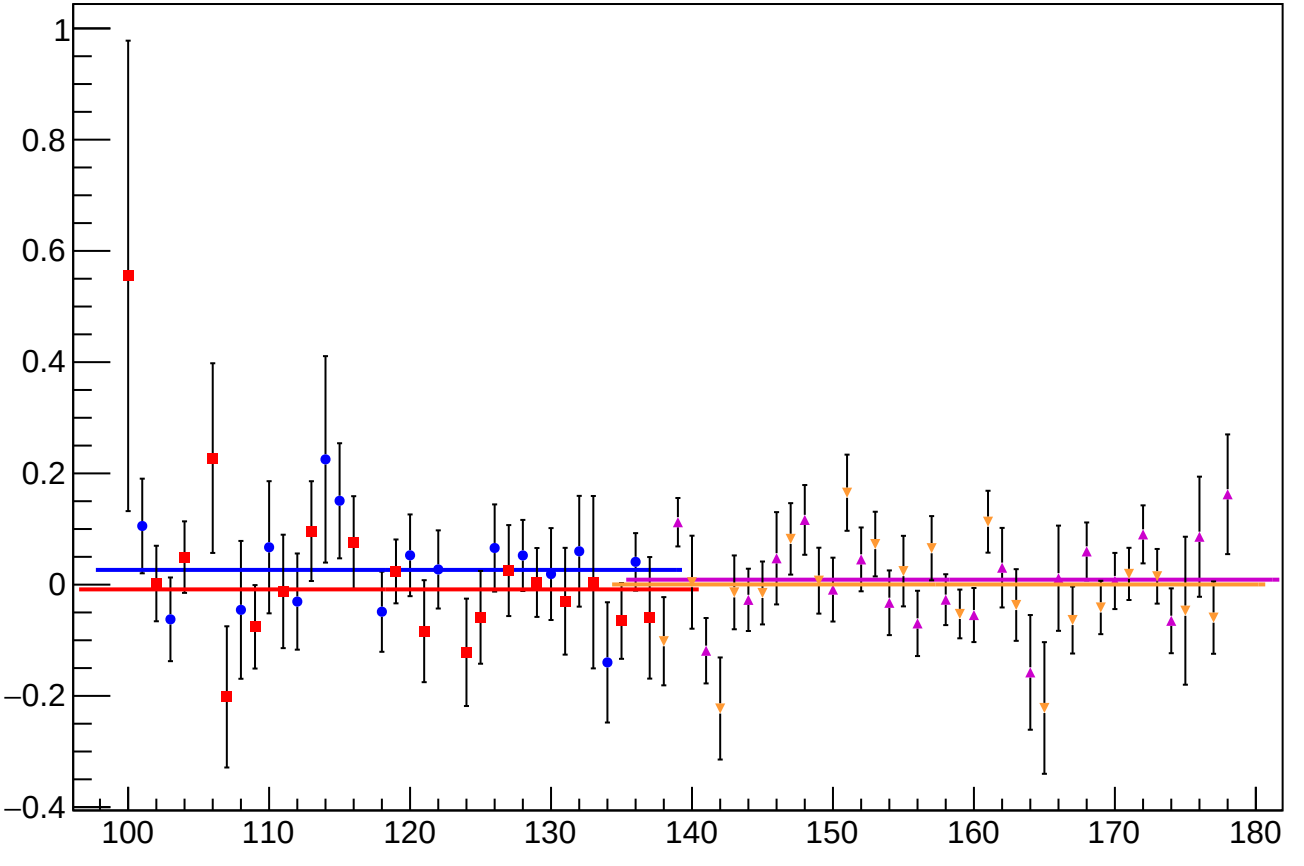
Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 51.446+/-0.008 χ^2/NDF:1415086.9/35

Out: 51.520+/-0.008 χ^2/NDF:1996419.1/39

All: 51.484+/-0.006 χ^2/NDF: 3411549.9/75

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: 0.009+/-0.013 χ^2/NDF:29.3/19

Left: 0.005+/-0.009 χ^2/NDF: 60.1/40

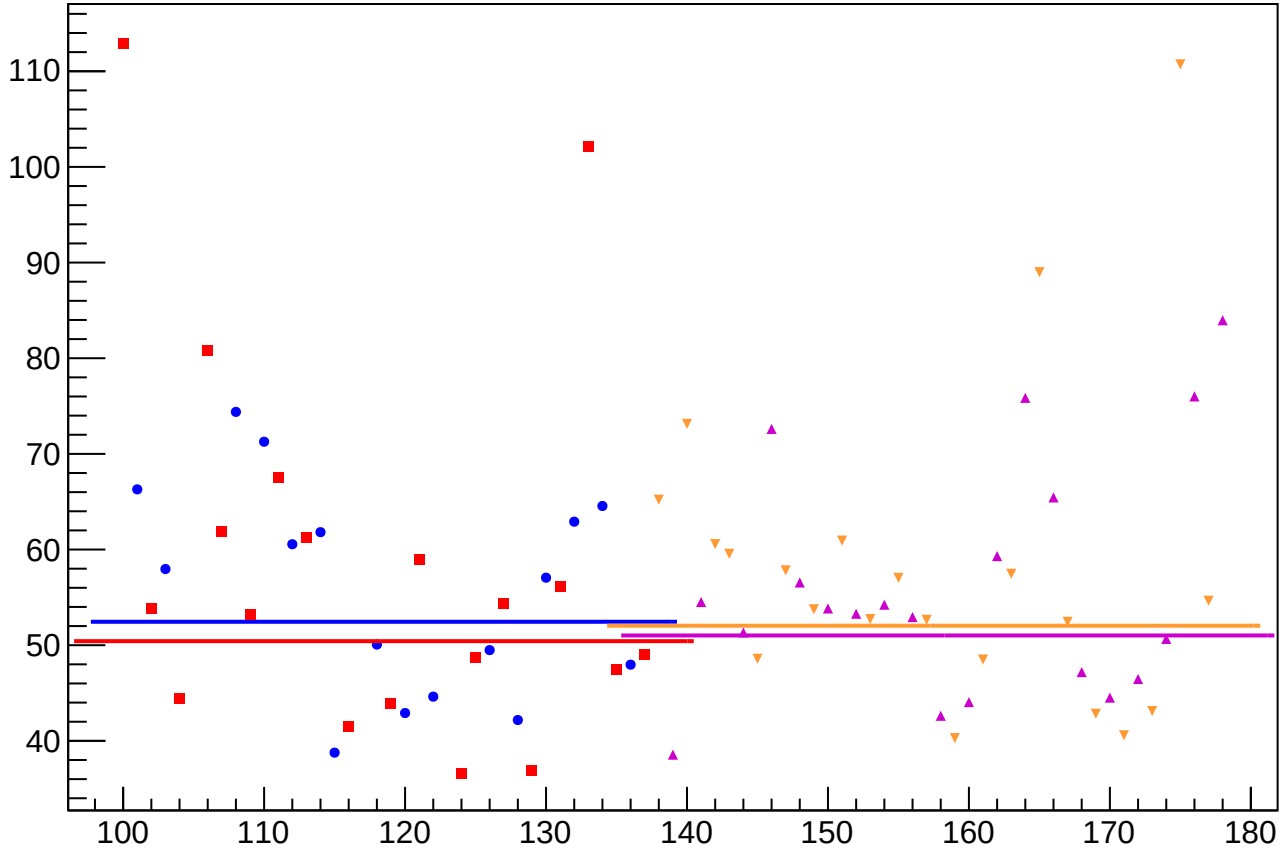
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.014+/-0.011 χ^2/NDF:39.8/35

Out: -0.002+/-0.011 χ^2/NDF:44.7/39

All: 0.006+/-0.008 χ^2/NDF: 85.6/75

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 52.039+/-0.009 χ^2/NDF:1310326.7/20

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 51.017+/-0.009 χ^2/NDF:990154.1/19

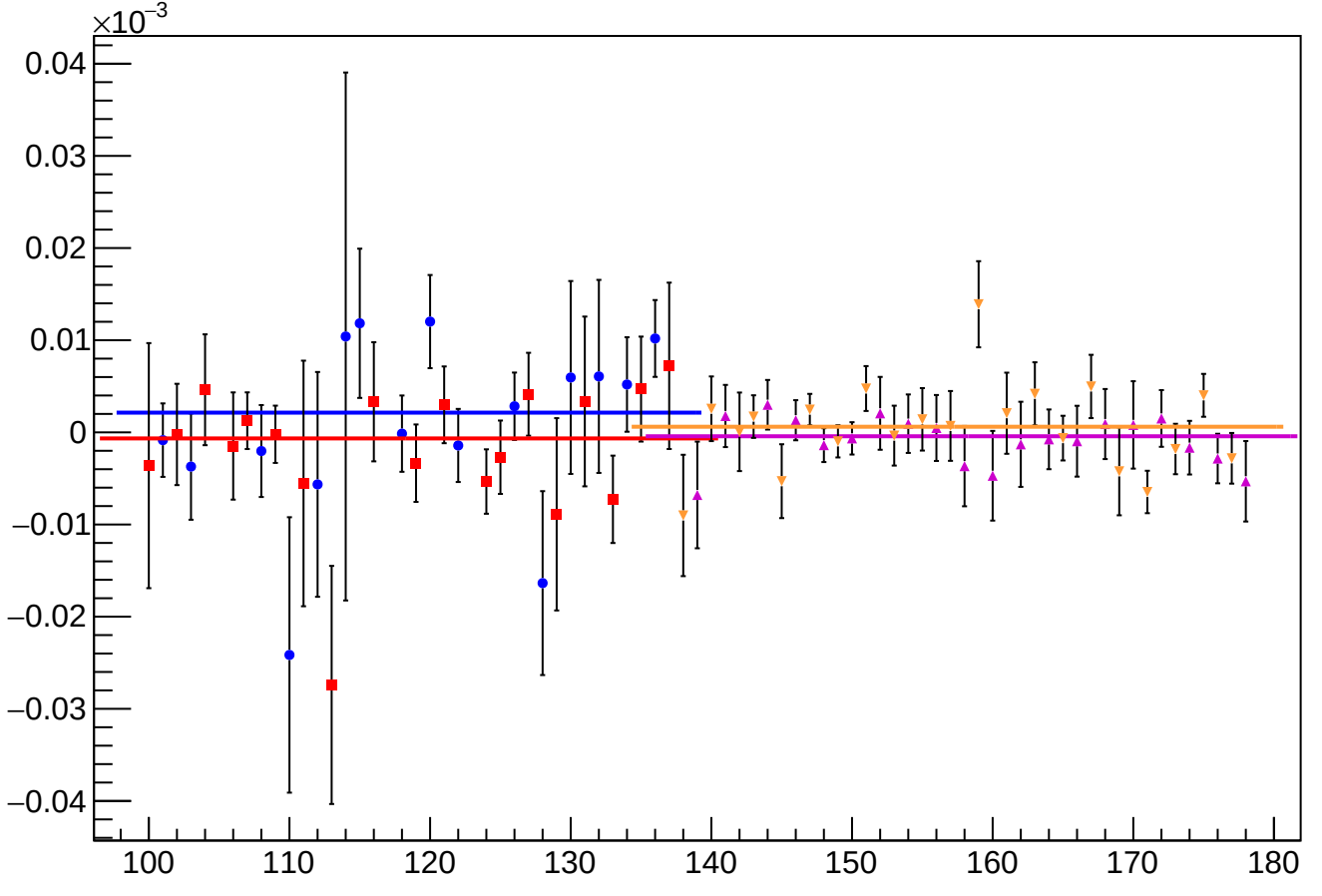
Left: 51.526+/-0.007 χ^2/NDF: 2306321.2/40

Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 51.446+/-0.008 χ^2/NDF:1415086.9/35

Out: 51.520+/-0.008 χ^2/NDF:1996419.1/39

All: 51.484+/-0.006 χ^2/NDF: 3411549.9/75



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:9.0/19

Left: 0.000+/-0.000 χ^2/NDF: 46.4/40

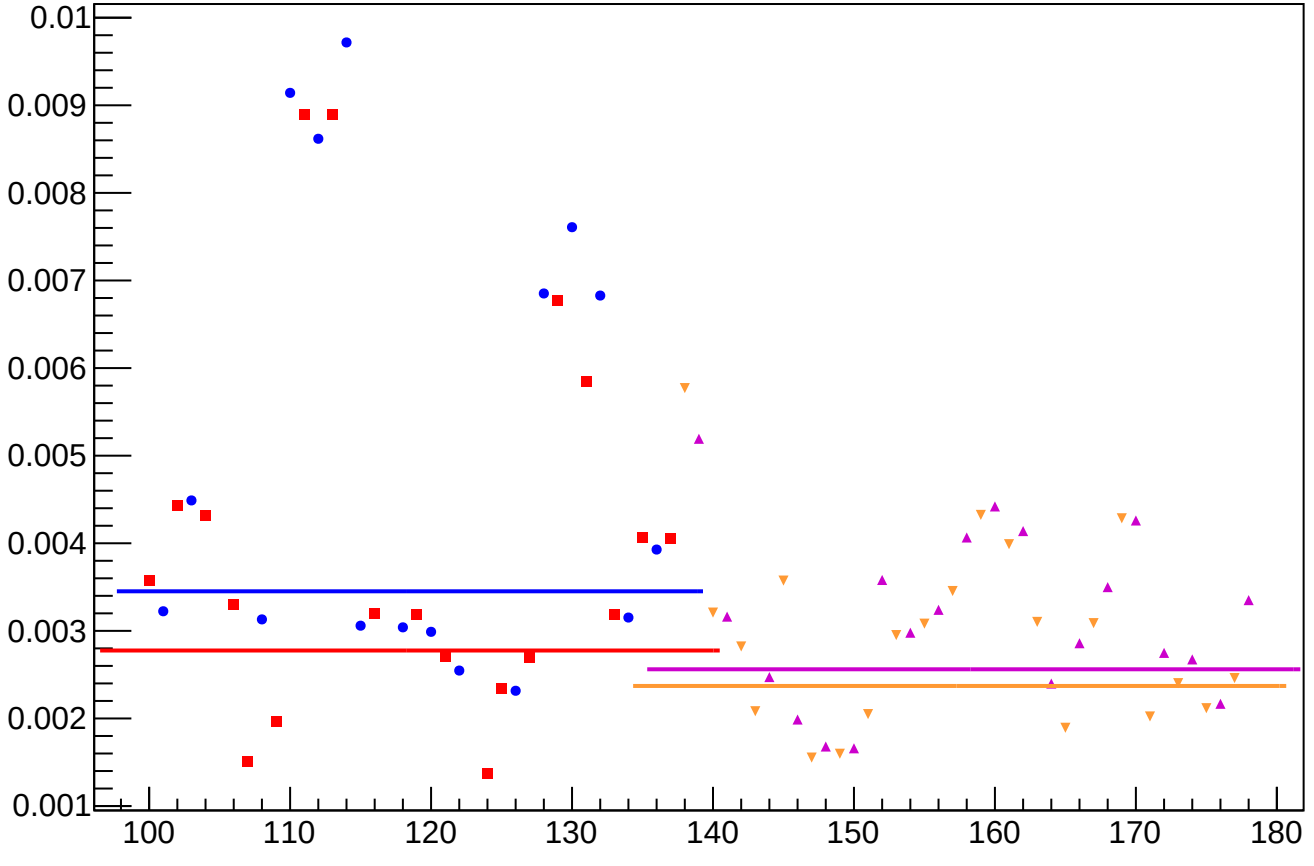
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:31.9/35

Out: 0.000+/-0.000 χ^2/NDF:51.8/39

All: 0.000+/-0.000 χ^2/NDF: 83.8/75

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:3126924.1/19

Left: 0.002+/-0.000 χ^2/NDF: 6563967.4/40

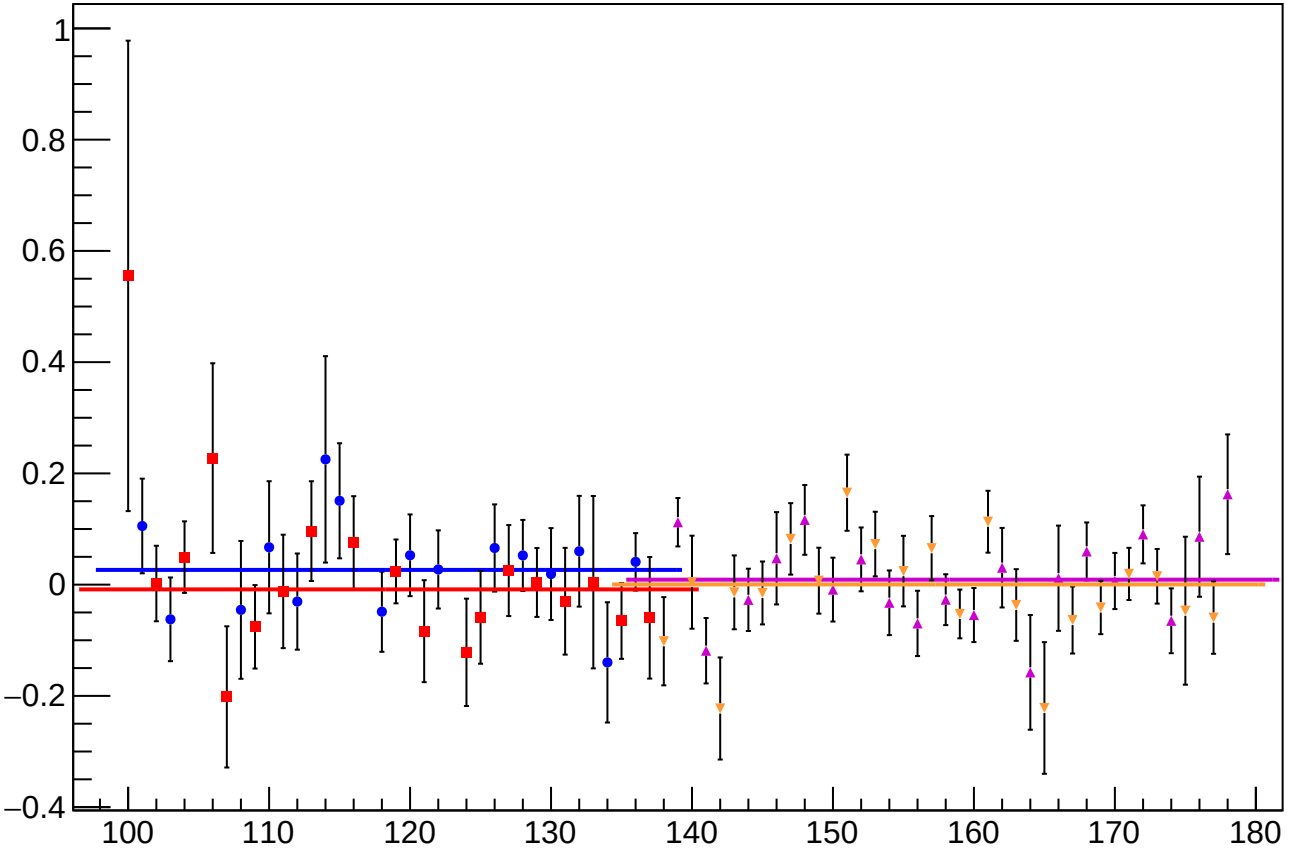
Right: 0.003+/-0.000 χ^2/NDF: 4968092.4/34

In: 0.003+/-0.000 χ^2/NDF:5743464.5/35

Out: 0.002+/-0.000 χ^2/NDF:6278824.0/39

All: 0.003+/-0.000 χ^2/NDF: 12243870.7/75

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: 0.009+/-0.013 χ^2/NDF:29.3/19

Left: 0.005+/-0.009 χ^2/NDF: 60.1/40

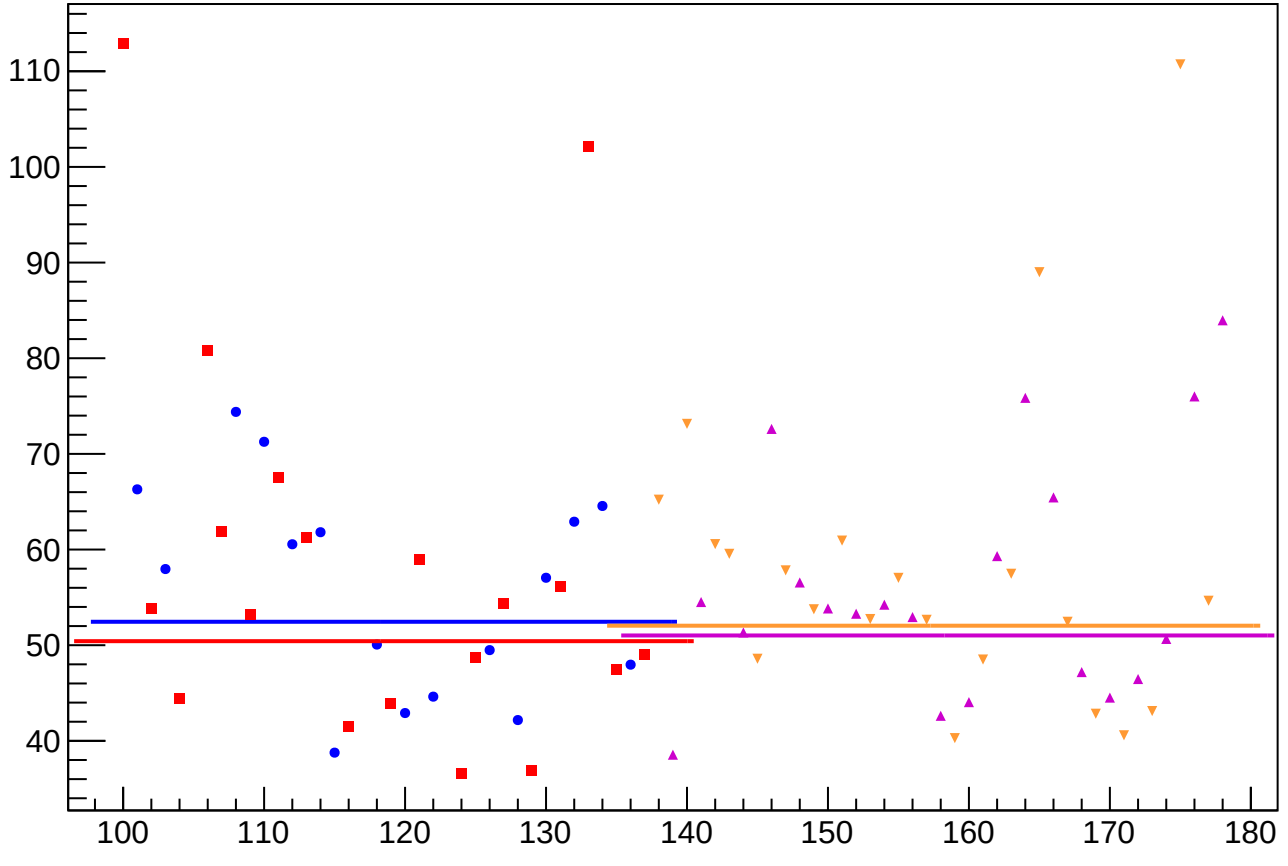
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.014+/-0.011 χ^2/NDF:39.8/35

Out: -0.002+/-0.011 χ^2/NDF:44.7/39

All: 0.006+/-0.008 χ^2/NDF: 85.6/75

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 52.039+/-0.009 χ^2/NDF:1310341.7/20

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 51.018+/-0.009 χ^2/NDF:990218.3/19

Left: 51.526+/-0.007 χ^2/NDF: 2306401.0/40

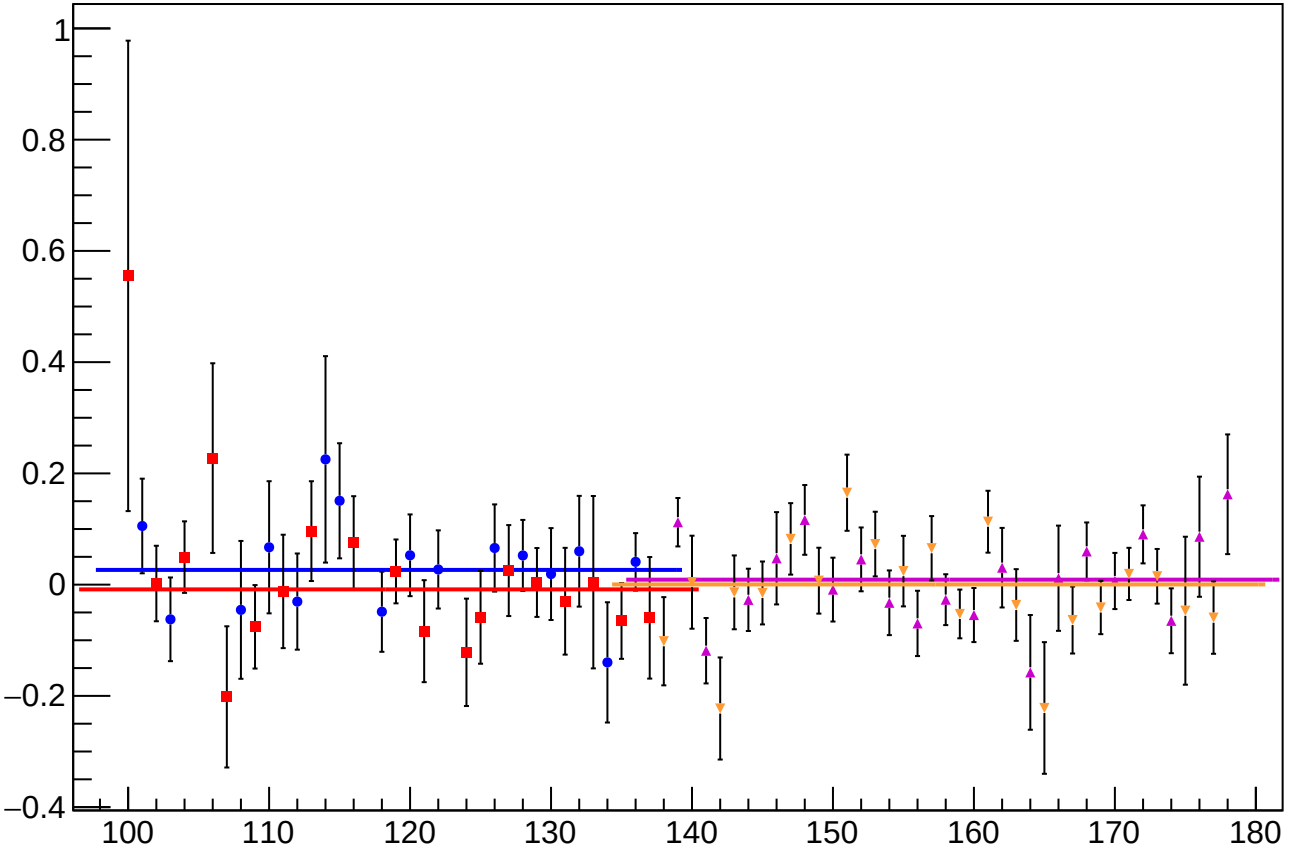
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 51.446+/-0.008 χ^2/NDF:1415090.6/35

Out: 51.520+/-0.008 χ^2/NDF:1996457.3/39

All: 51.484+/-0.006 χ^2/NDF: 3411591.8/75

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: 0.009+/-0.013 χ^2/NDF:29.3/19

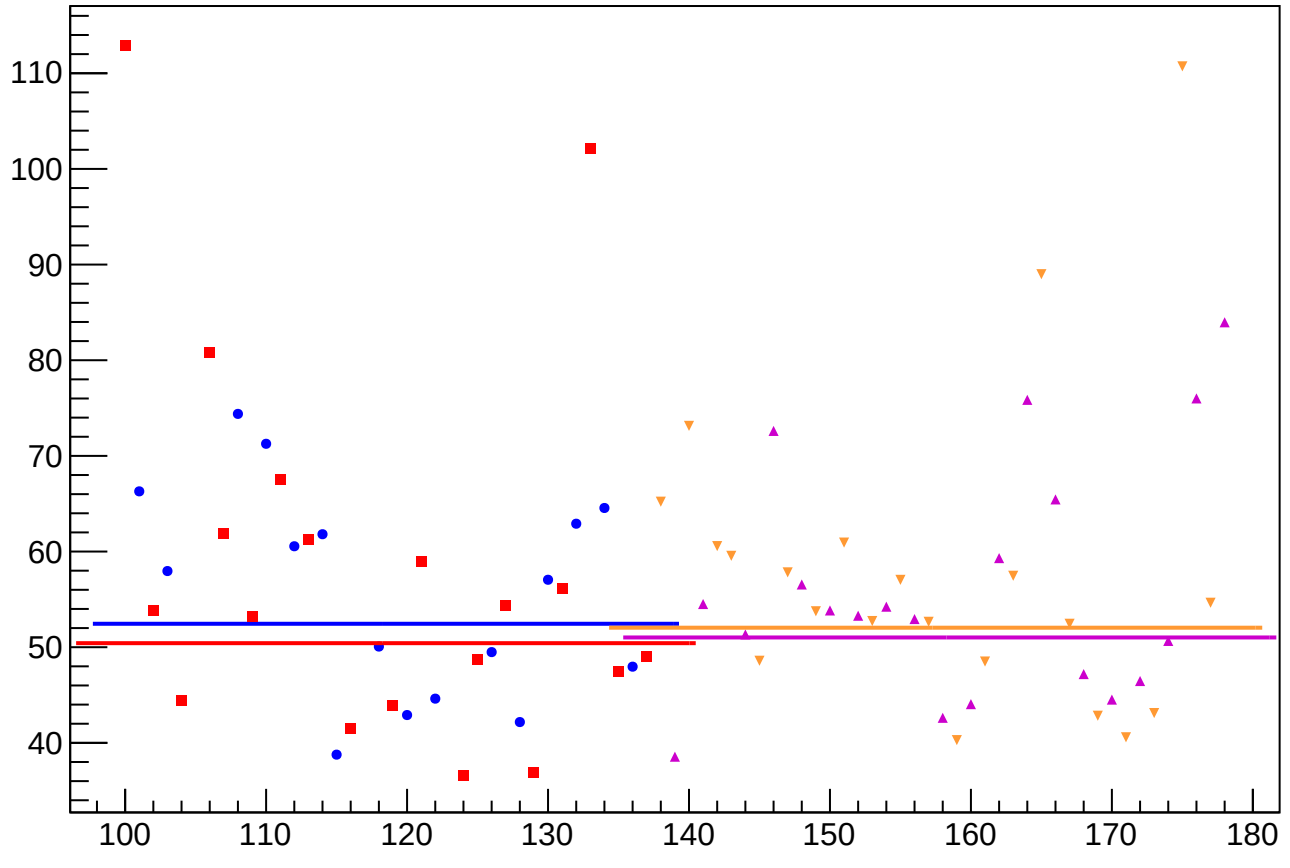
Left: 0.005+/-0.009 χ^2/NDF: 60.1/40

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.014+/-0.011 χ^2/NDF:39.8/35

Out: -0.002+/-0.011 χ^2/NDF:44.7/39

All: 0.006+/-0.008 χ^2/NDF: 85.6/75



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: 51.018+/-0.009 χ^2/NDF:990218.3/19

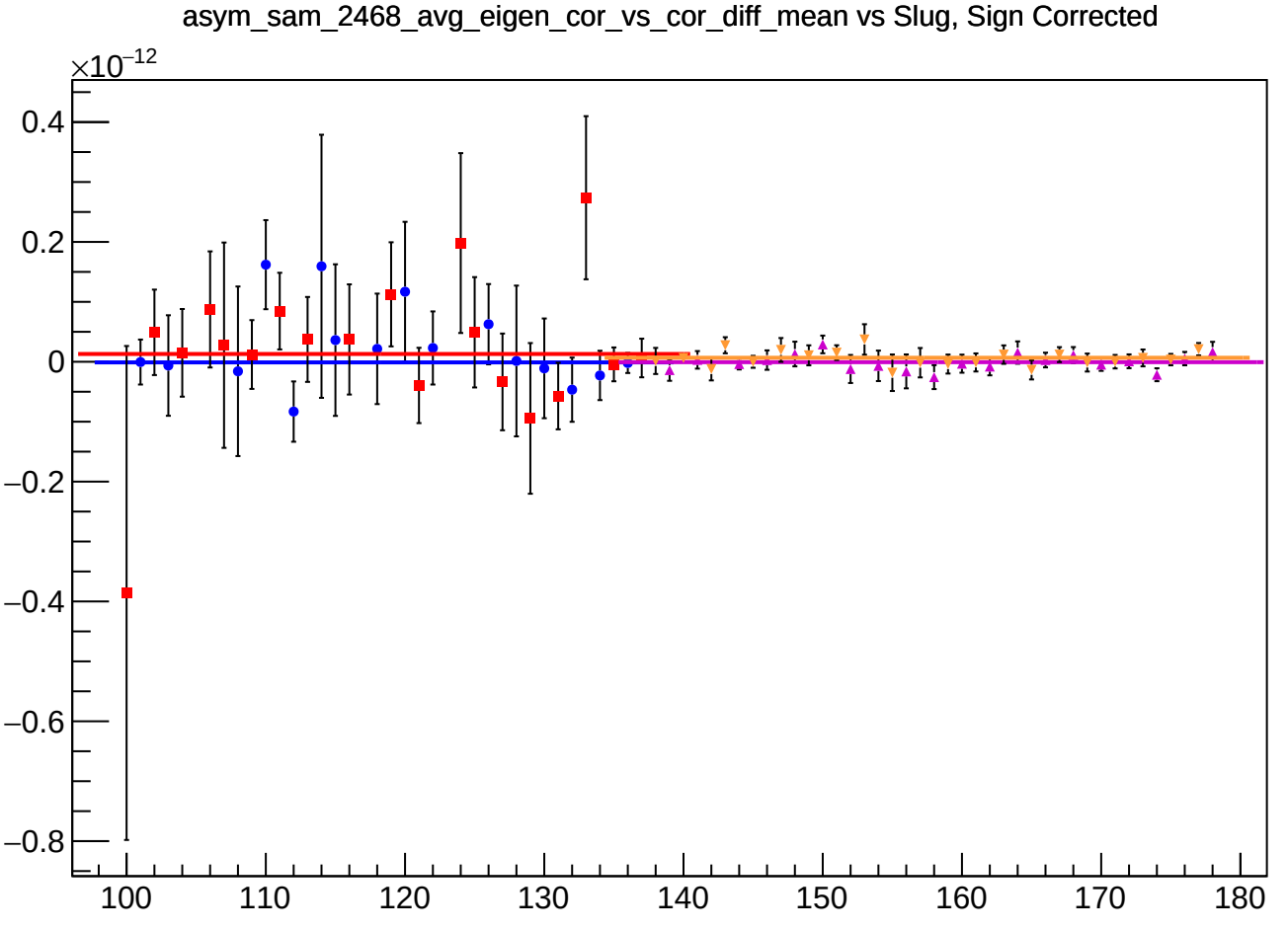
Left: 51.526+/-0.007 χ^2/NDF: 2306401.0/40

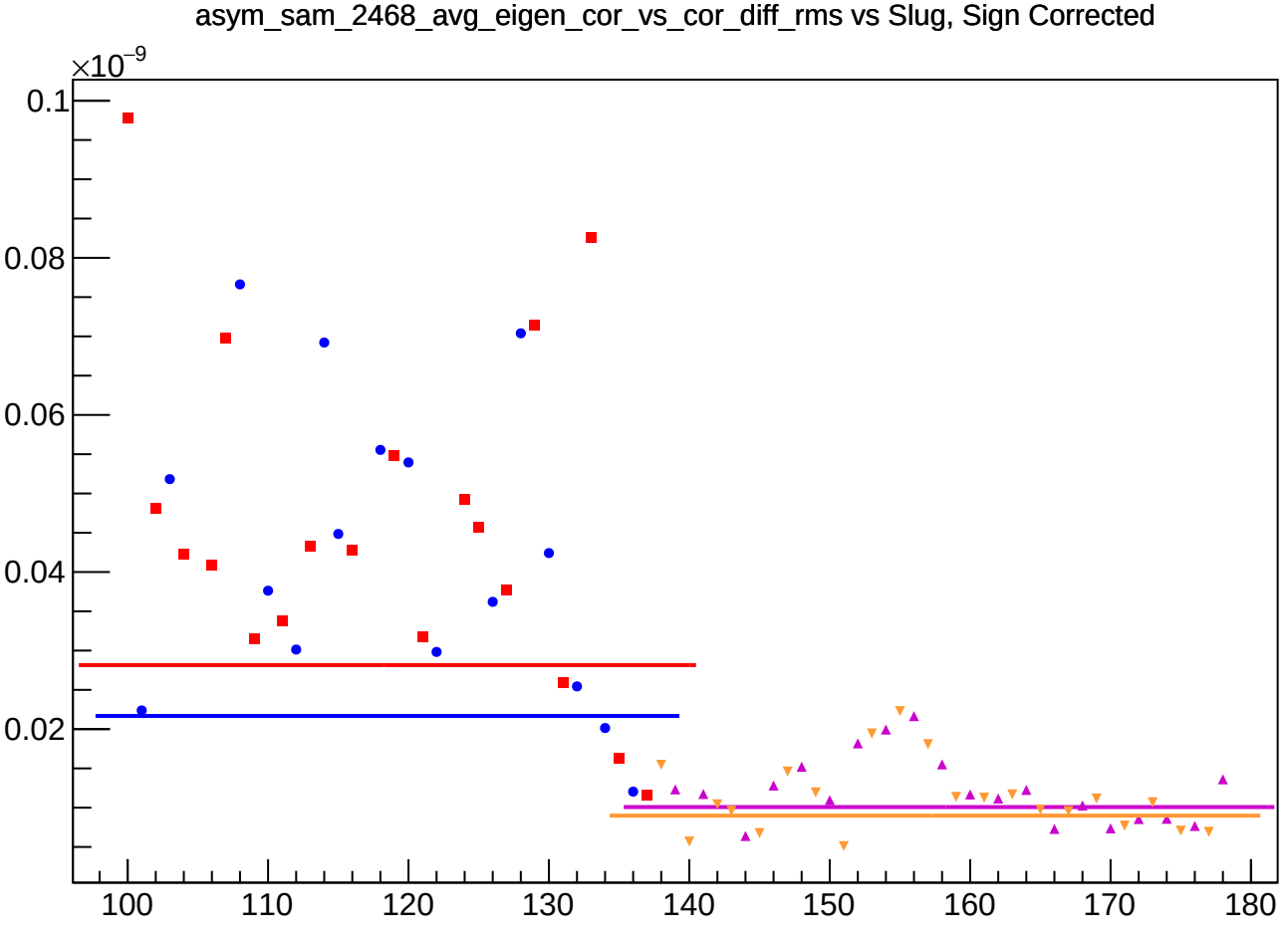
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 51.446+/-0.008 χ^2/NDF:1415090.6/35

Out: 51.520+/-0.008 χ^2/NDF:1996457.3/39

All: 51.484+/-0.006 χ^2/NDF: 3411591.8/75


asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
180
Right In: -0.000+/-0.000 χ²/NDF: 11.3/15
Left Out: 0.000+/-0.000 χ²/NDF:12.3/20
Right Out: 0.000+/-0.000 χ²/NDF: 13.7/18
Left In: -0.000+/-0.000 χ²/NDF:14.4/19
Left: 0.000+/-0.000 χ²/NDF: 29.6/40
Right: 0.000+/-0.000 χ²/NDF: 25.5/34
In: -0.000+/-0.000 χ²/NDF:25.7/35
Out: 0.000+/-0.000 χ²/NDF:26.1/39
All: 0.000+/-0.000 χ²/NDF: 55.1/75



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:2149324.4/19

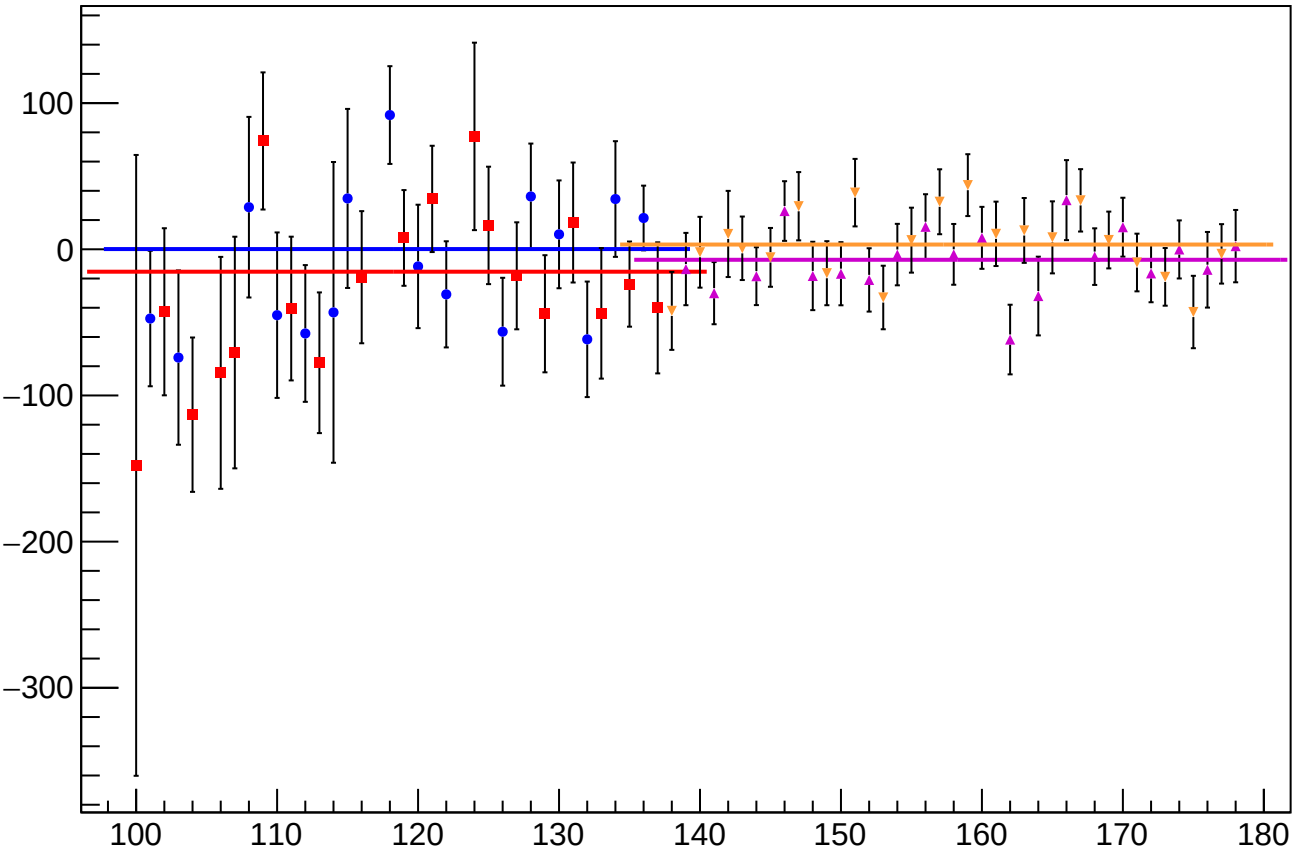
Left: 0.000+/-0.000 χ^2/NDF: 4719428.4/40

Right: 0.000+/-0.000 χ^2/NDF: 5141383.5/34

In: 0.000+/-0.000 χ^2/NDF:6423341.4/35

Out: 0.000+/-0.000 χ^2/NDF:8179035.1/39

All: 0.000+/-0.000 χ^2/NDF: 14732264.4/75



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: -7.178+/-4.906 χ^2/NDF:16.7/19

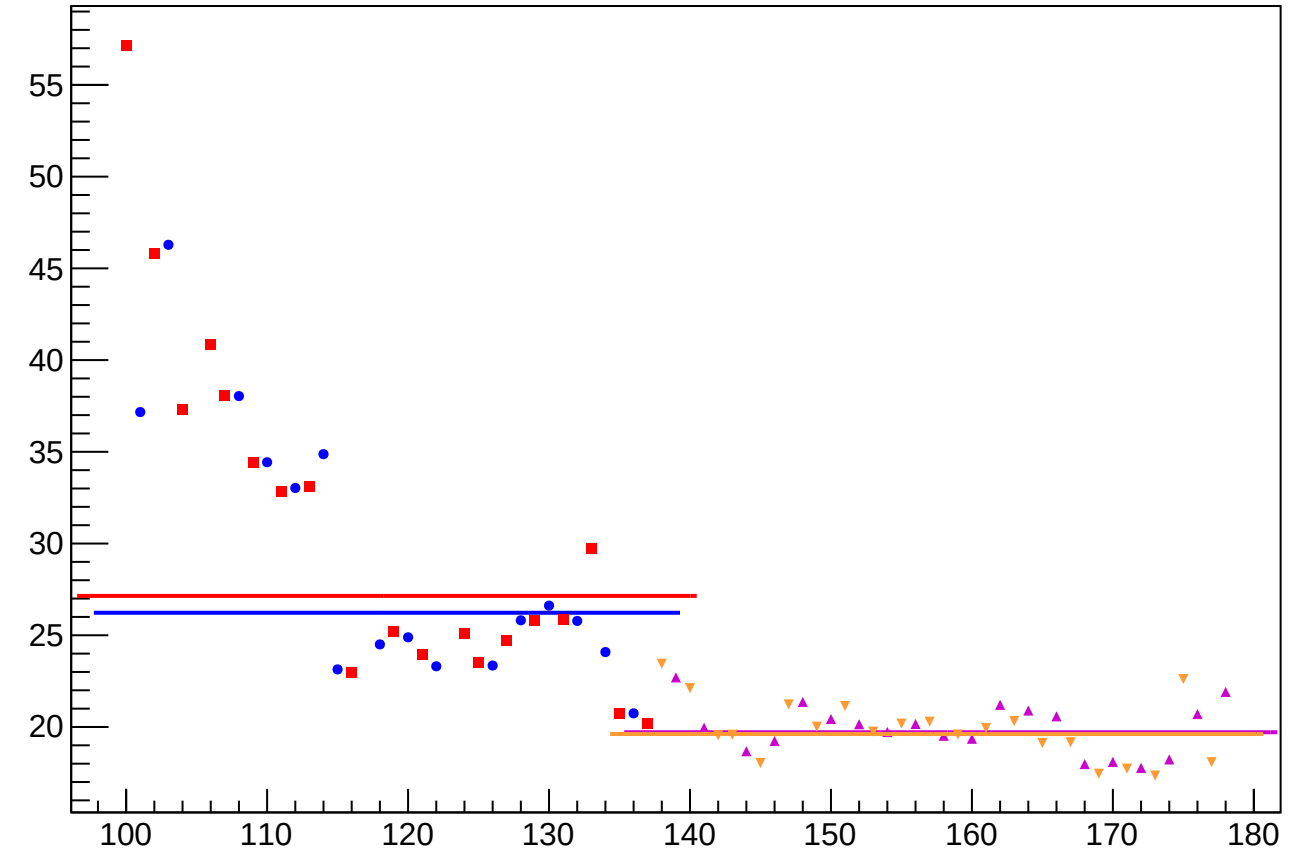
Left: -1.885+/-3.443 χ^2/NDF: 42.5/40

Right: -7.422+/-7.181 χ^2/NDF: 40.4/34

In: -5.766+/-4.408 χ^2/NDF:38.5/35

Out: -0.120+/-4.373 χ^2/NDF:44.1/39

All: -2.920+/-3.105 χ^2/NDF: 83.4/75



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: 19.714+/-0.003 χ^2/NDF:142542.4/19

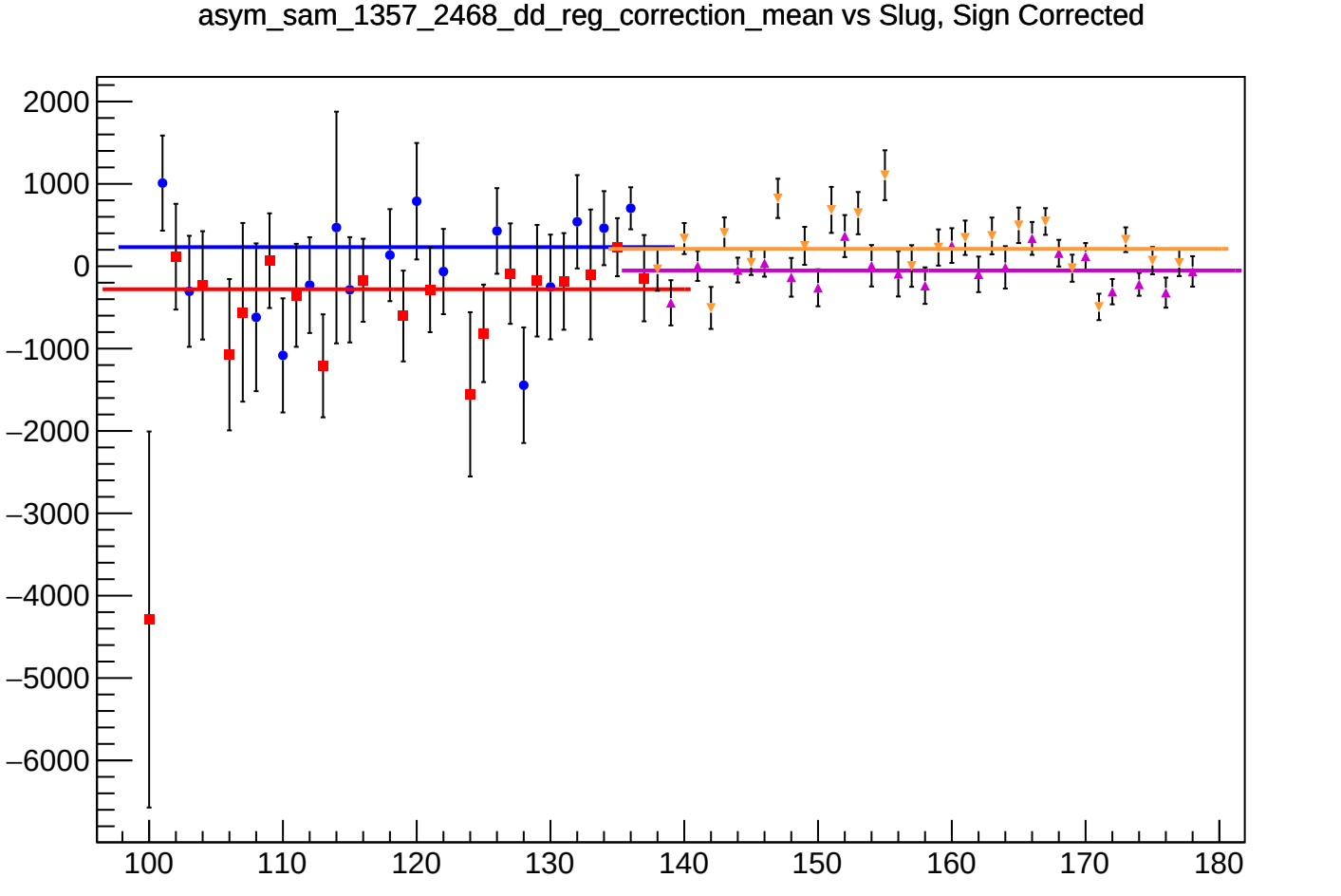
Left: 19.665+/-0.002 χ^2/NDF: 354172.8/40

Right: 26.676+/-0.005 χ^2/NDF: 1439621.2/34

In: 20.968+/-0.003 χ^2/NDF:1497056.2/35

Out: 20.983+/-0.003 χ^2/NDF:1846918.2/39

All: 20.975+/-0.002 χ^2/NDF: 3343985.3/75



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: -51.186+/-42.968 χ^2/NDF:22.1/19

Left: 79.581+/-30.392 χ^2/NDF: 104.7/40

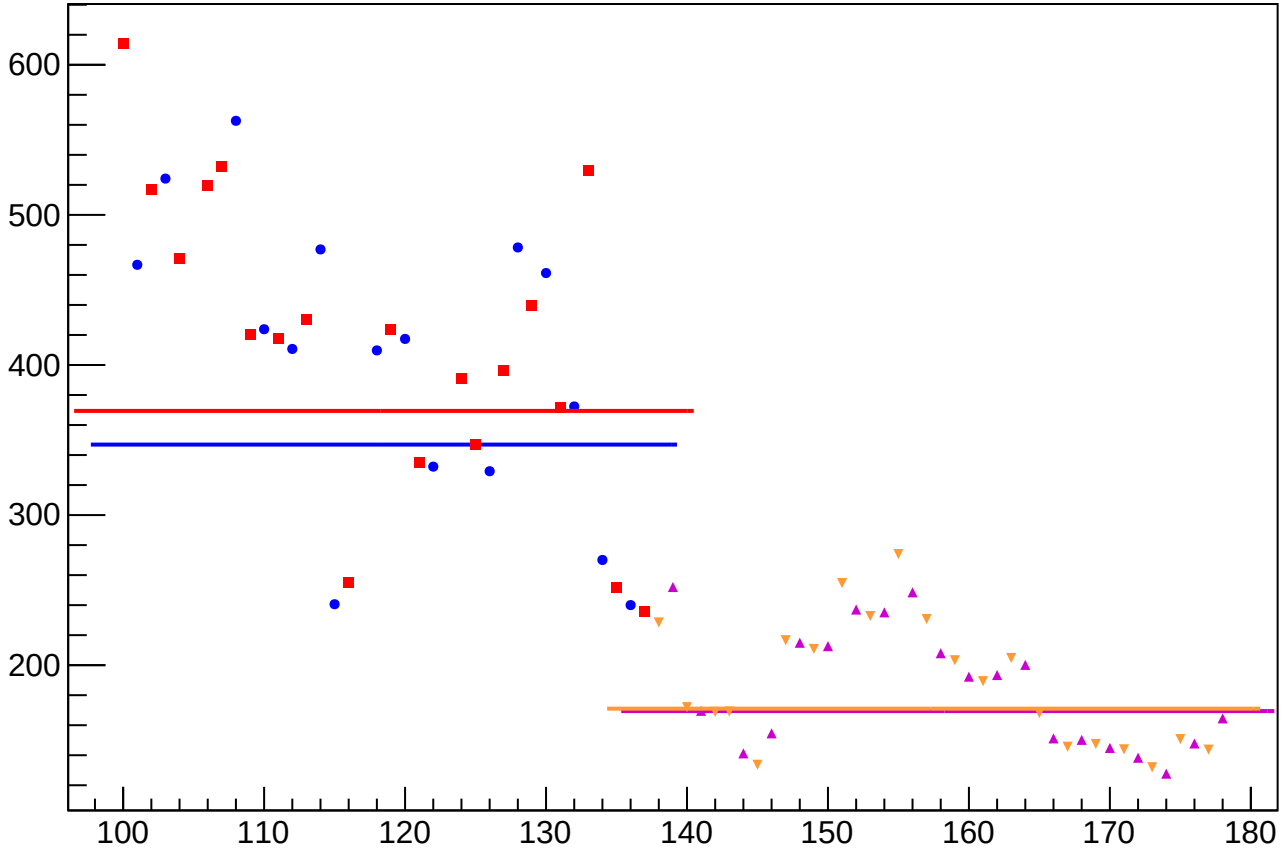
Right: -14.004+/-97.119 χ^2/NDF: 38.6/34

In: -25.083+/-40.940 χ^2/NDF:45.7/35

Out: 168.296+/-41.098 χ^2/NDF:87.4/39

All: 71.234+/-29.005 χ^2/NDF: 144.2/75

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: 169.426+/-0.030 χ^2/NDF:1378667.8/19

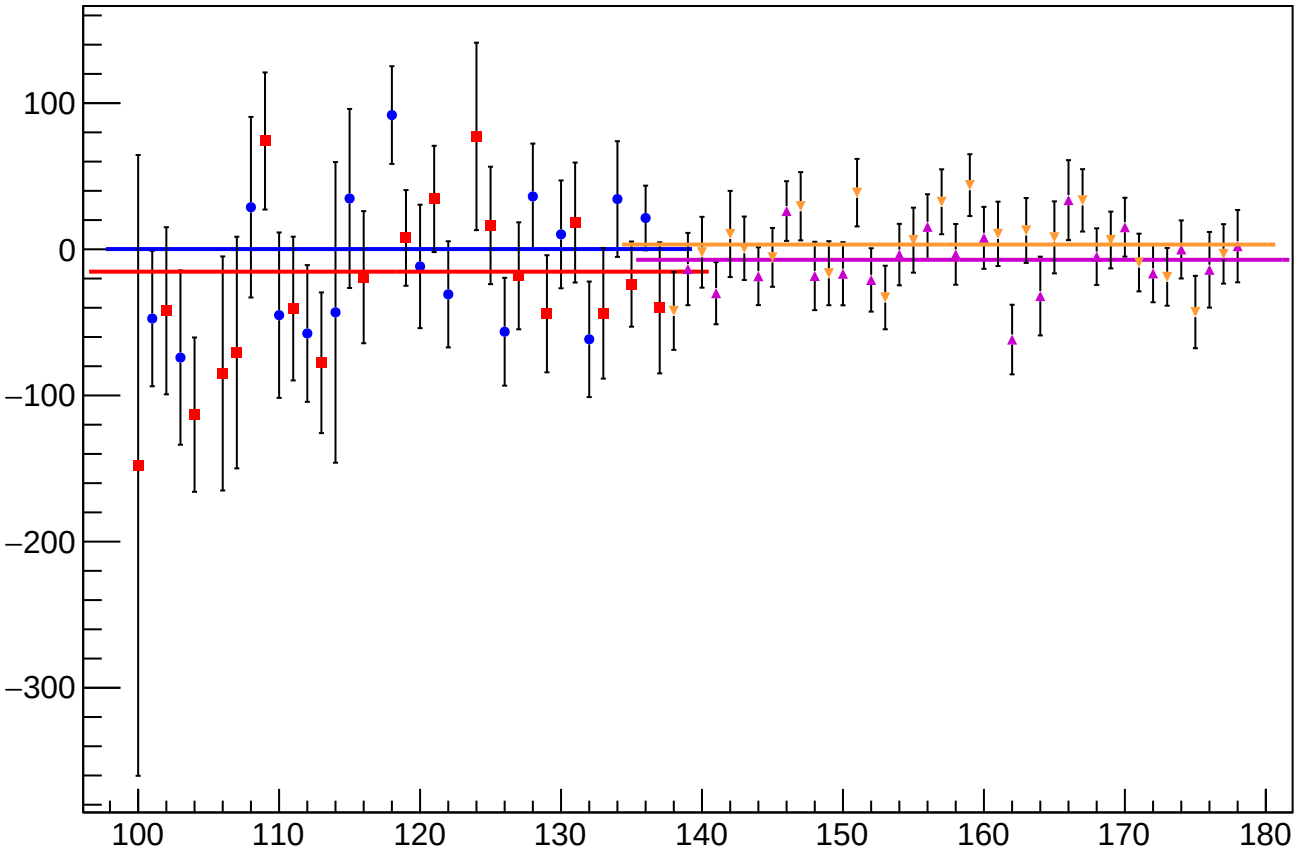
Left: 170.229+/-0.021 χ^2/NDF: 2846676.9/40

Right: 357.774+/-0.069 χ^2/NDF: 2003541.6/34

In: 185.785+/-0.029 χ^2/NDF:5583136.4/35

Out: 188.137+/-0.029 χ^2/NDF:6056744.1/39

All: 186.957+/-0.021 χ^2/NDF: 11643166.7/75



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: -7.178+/-4.906 χ^2/NDF:16.7/19

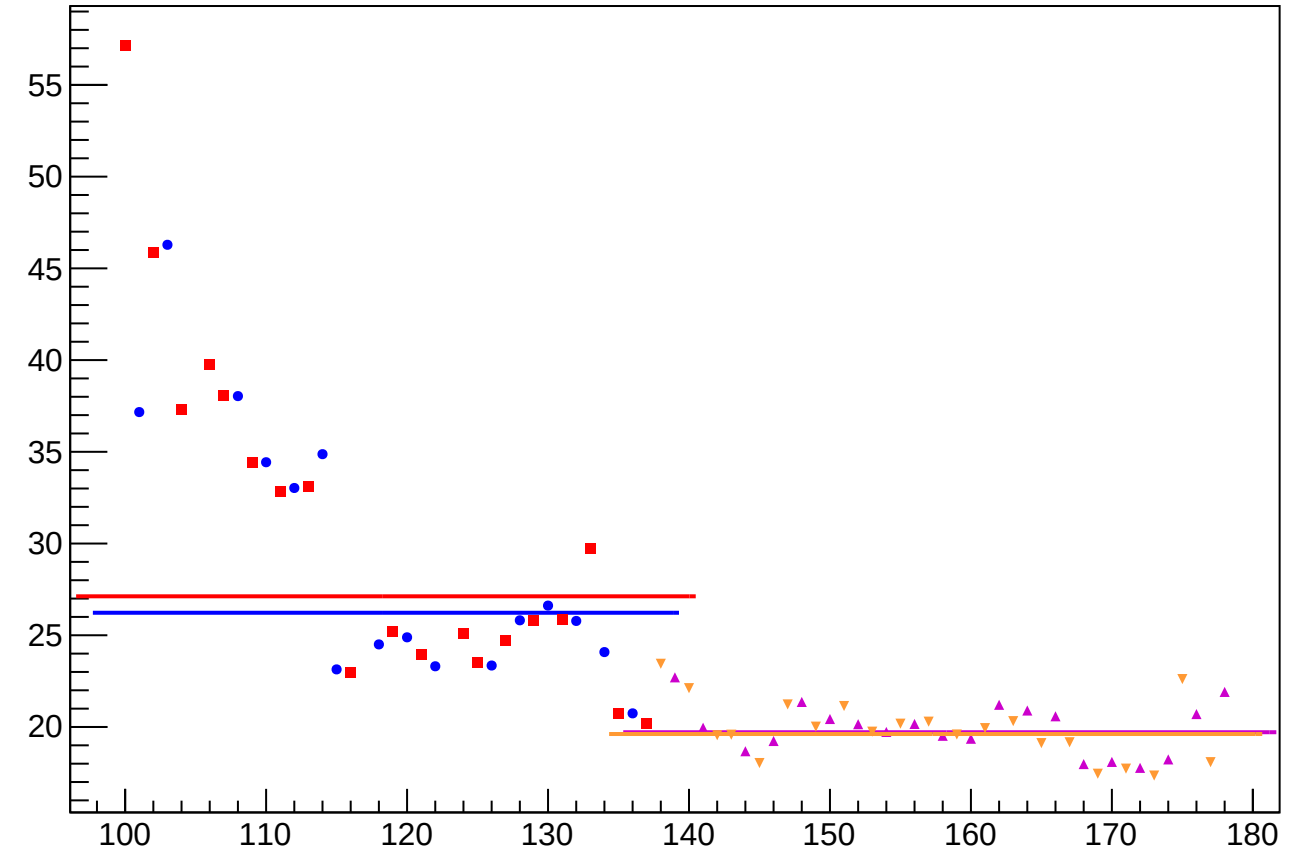
Left: -1.886+/-3.443 χ^2/NDF: 42.5/40

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -5.766+/-4.408 χ^2/NDF:38.5/35

Out: -0.112+/-4.373 χ^2/NDF:44.0/39

All: -2.916+/-3.105 χ^2/NDF: 83.4/75



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: 19.714+/-0.003 χ^2/NDF:142542.4/19

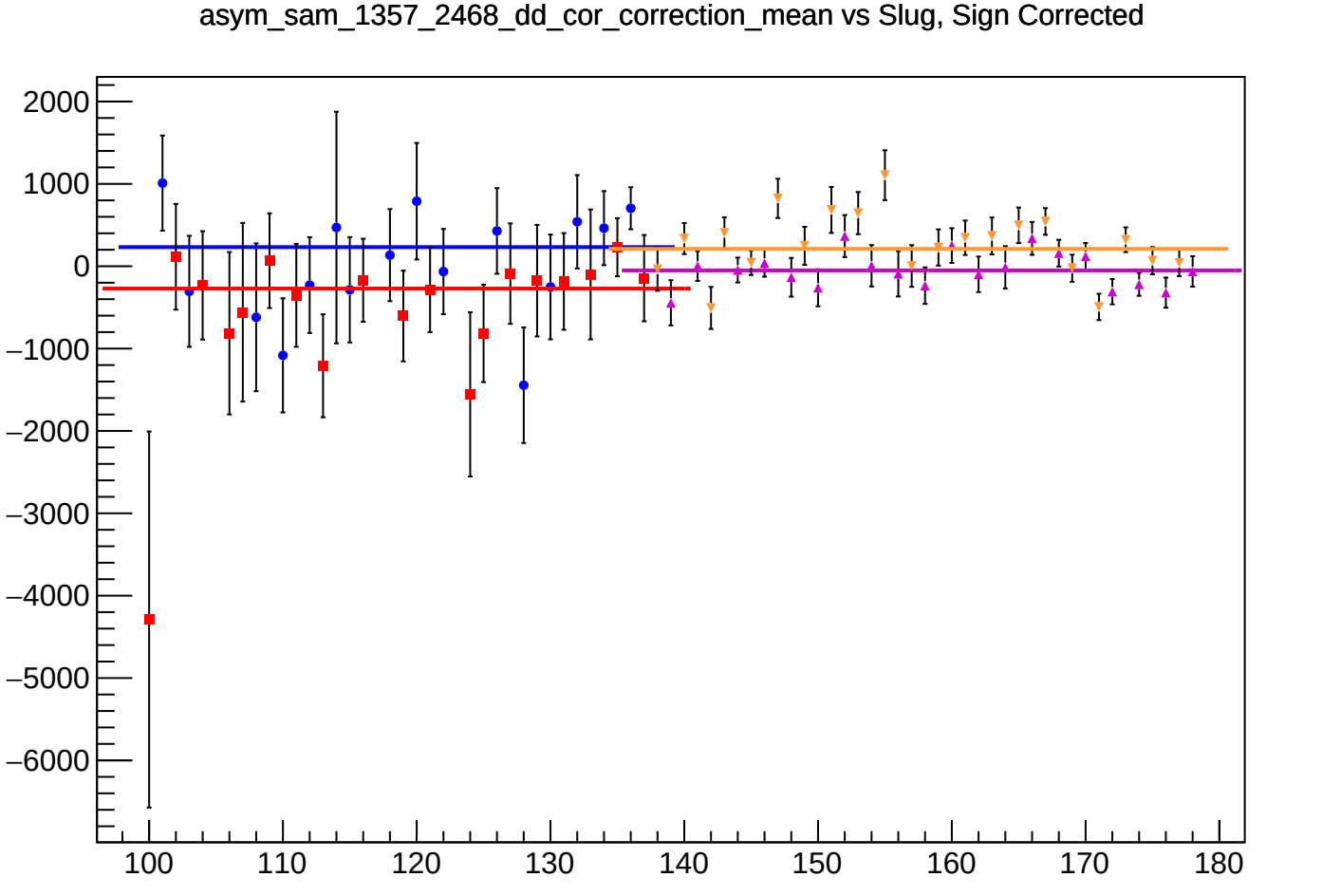
Left: 19.665+/-0.002 χ^2/NDF: 354172.7/40

Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 20.968+/-0.003 χ^2/NDF:1497059.6/35

Out: 20.978+/-0.003 χ^2/NDF:1831818.5/39

All: 20.973+/-0.002 χ^2/NDF: 3328883.4/75



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: -51.186+/-42.968 χ^2/NDF:22.1/19

Left: 79.581+/-30.392 χ^2/NDF: 104.7/40

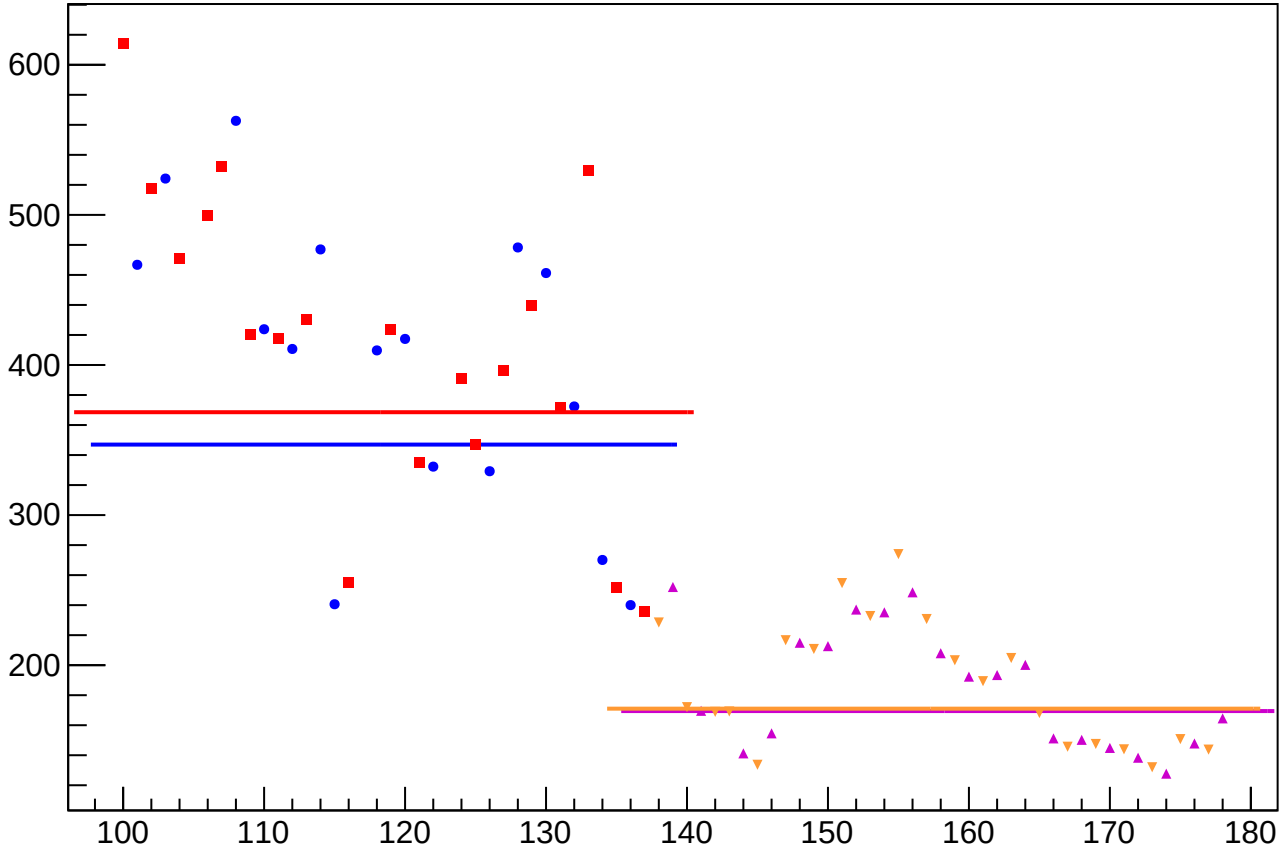
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: -25.084+/-40.940 χ^2/NDF:45.7/35

Out: 169.070+/-41.104 χ^2/NDF:86.5/39

All: 71.606+/-29.007 χ^2/NDF: 143.5/75

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: 169.426+/-0.030 χ^2/NDF:1378664.8/19

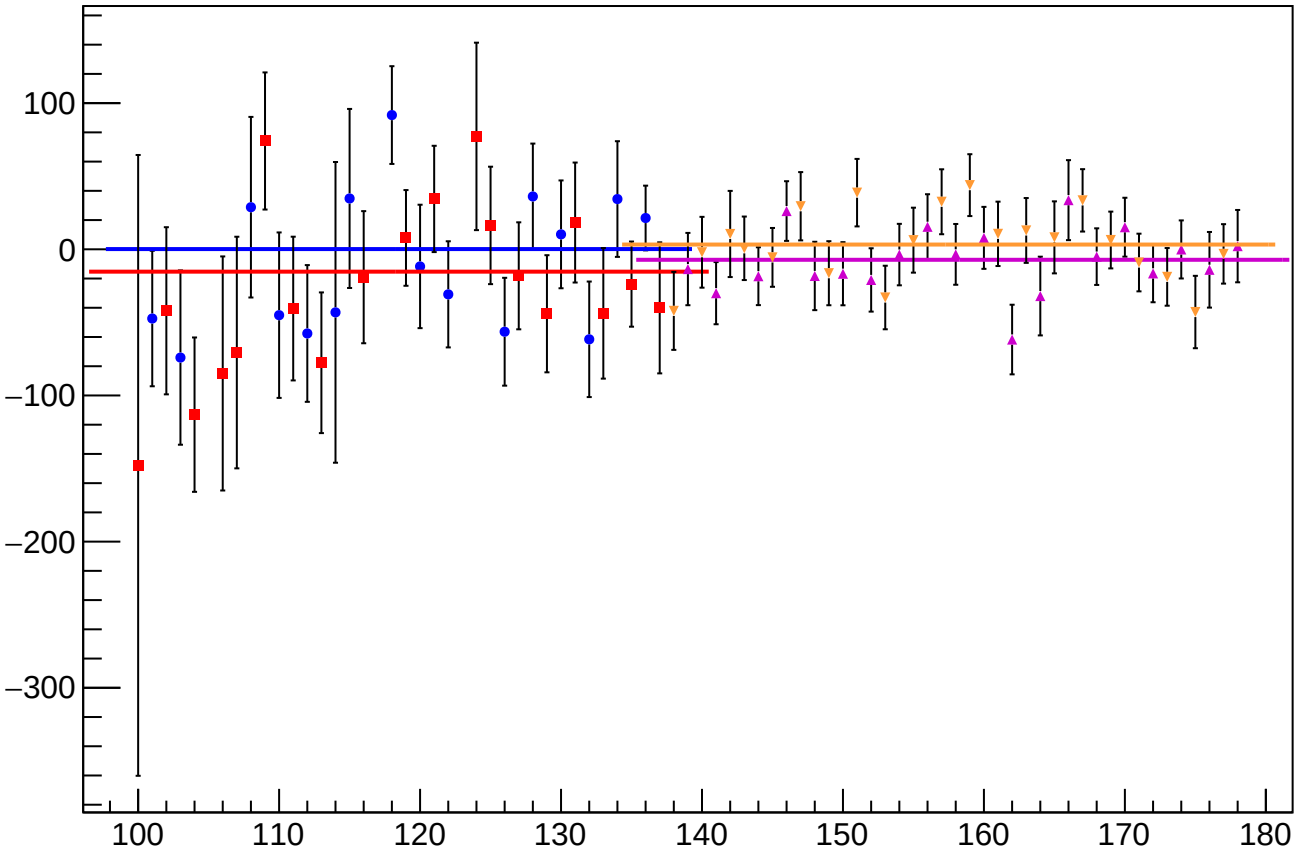
Left: 170.229+/-0.021 χ^2/NDF: 2846676.2/40

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 185.785+/-0.029 χ^2/NDF:5583154.0/35

Out: 188.014+/-0.029 χ^2/NDF:5995780.7/39

All: 186.895+/-0.021 χ^2/NDF: 11581885.2/75



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: -7.178+/-4.906 χ^2/NDF:16.7/19

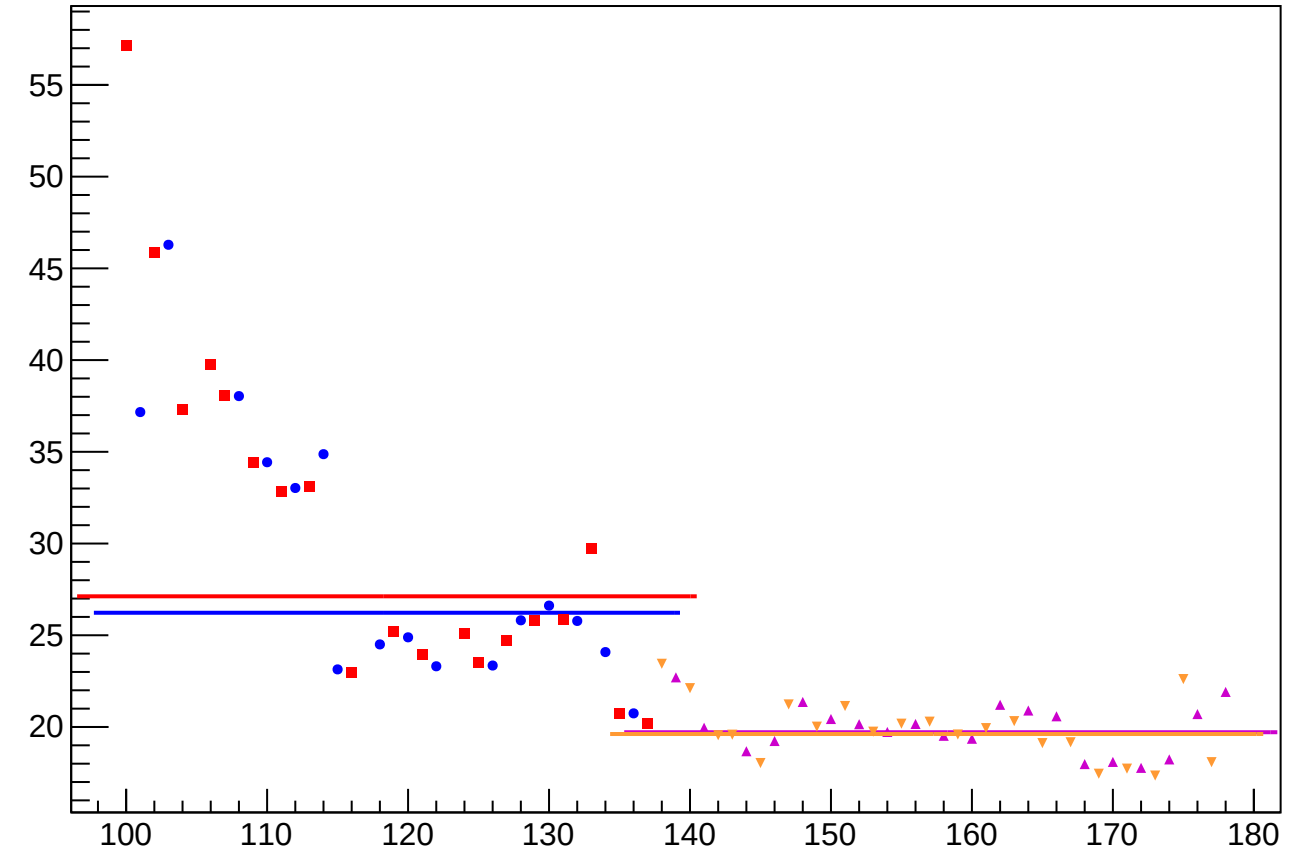
Left: -1.886+/-3.443 χ^2/NDF: 42.5/40

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -5.766+/-4.408 χ^2/NDF:38.5/35

Out: -0.112+/-4.373 χ^2/NDF:44.0/39

All: -2.916+/-3.105 χ^2/NDF: 83.4/75



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: 19.714+/-0.003 χ^2/NDF:142542.4/19

Left: 19.665+/-0.002 χ^2/NDF: 354172.7/40

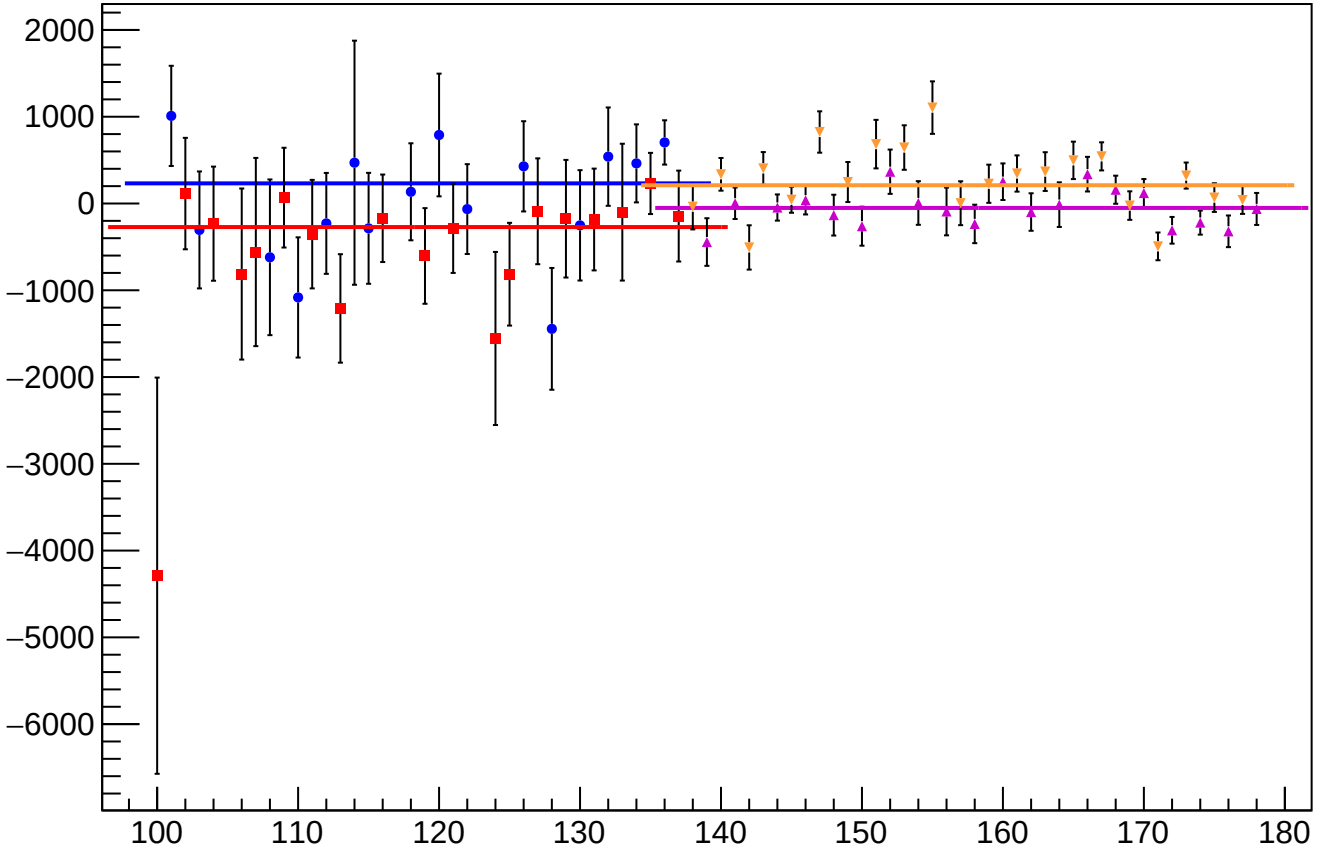
Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 20.968+/-0.003 χ^2/NDF:1497059.6/35

Out: 20.978+/-0.003 χ^2/NDF:1831818.5/39

All: 20.973+/-0.002 χ^2/NDF: 3328883.4/75

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 210.503+/-42.994 χ^2/NDF:64.1/20

Right Out: -271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: -51.186+/-42.968 χ^2/NDF:22.1/19

Left: 79.581+/-30.392 χ^2/NDF: 104.7/40

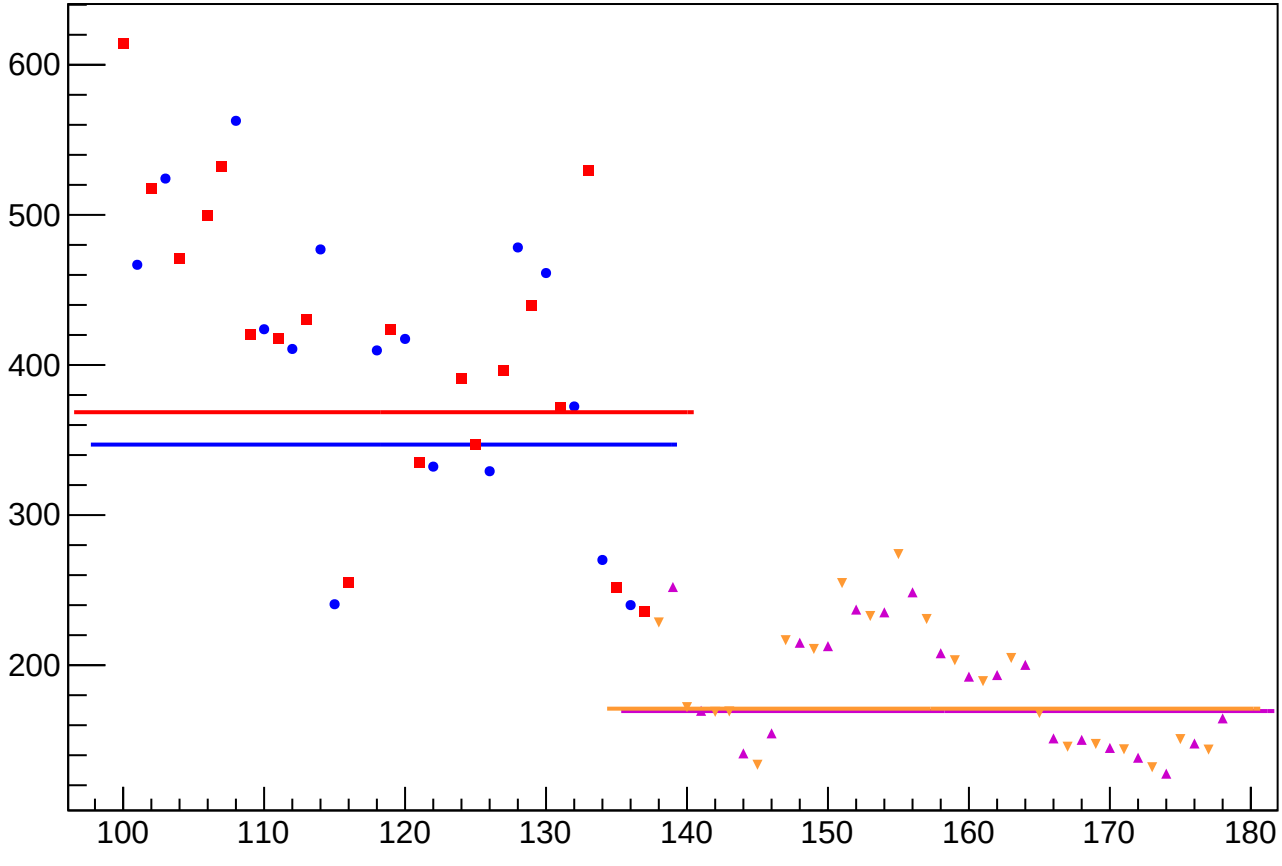
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: -25.084+/-40.940 χ^2/NDF:45.7/35

Out: 169.070+/-41.104 χ^2/NDF:86.5/39

All: 71.606+/-29.007 χ^2/NDF: 143.5/75

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: 169.426+/-0.030 χ^2/NDF:1378664.8/19

Left: 170.229+/-0.021 χ^2/NDF: 2846676.2/40

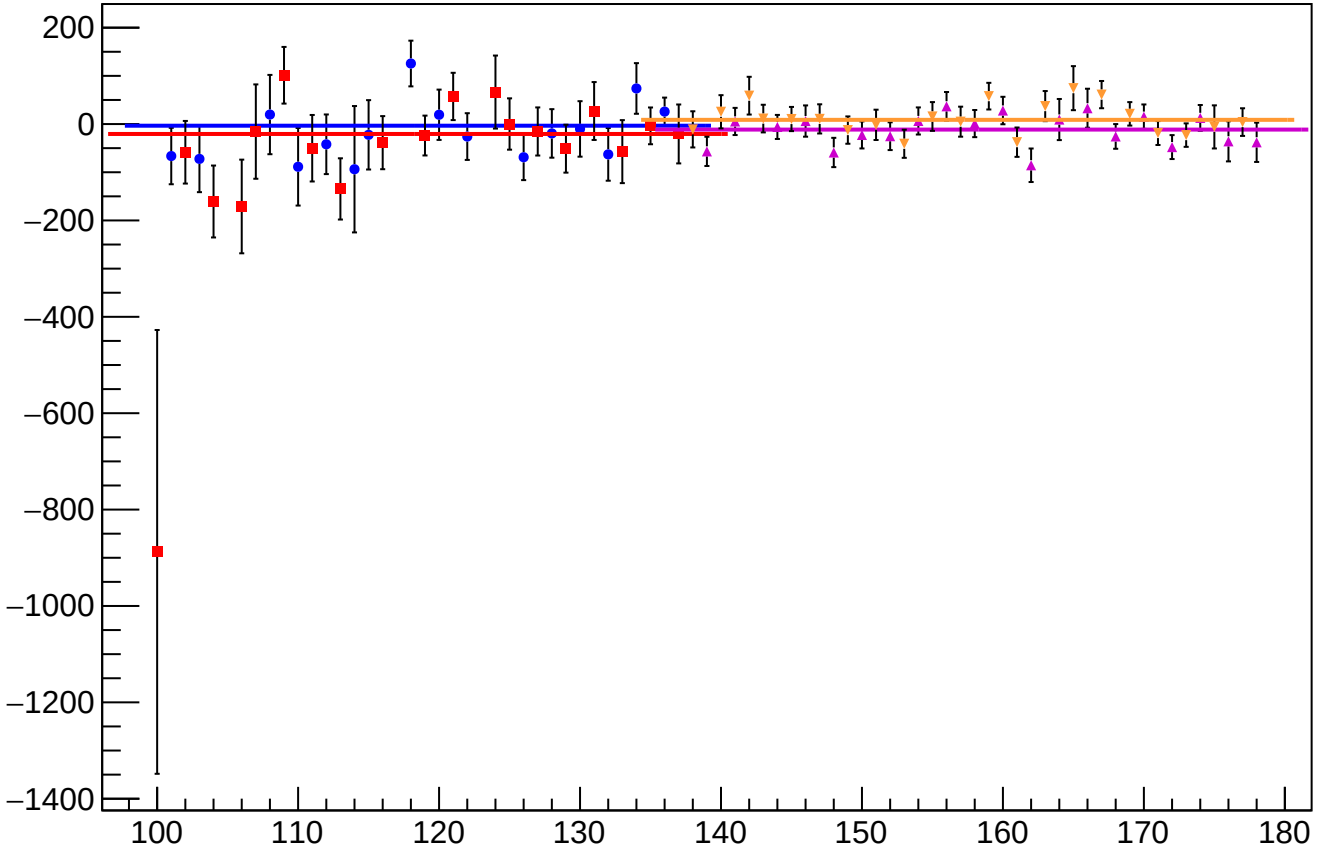
Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 185.785+/-0.029 χ^2/NDF:5583154.0/35

Out: 188.014+/-0.029 χ^2/NDF:5995780.7/39

All: 186.895+/-0.021 χ^2/NDF: 11581885.2/75

dit_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 8.750+/-6.519 χ^2/NDF:20.9/20

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -11.471+/-6.648 χ^2/NDF:22.1/19

Left: -1.161+/-4.655 χ^2/NDF: 47.7/40

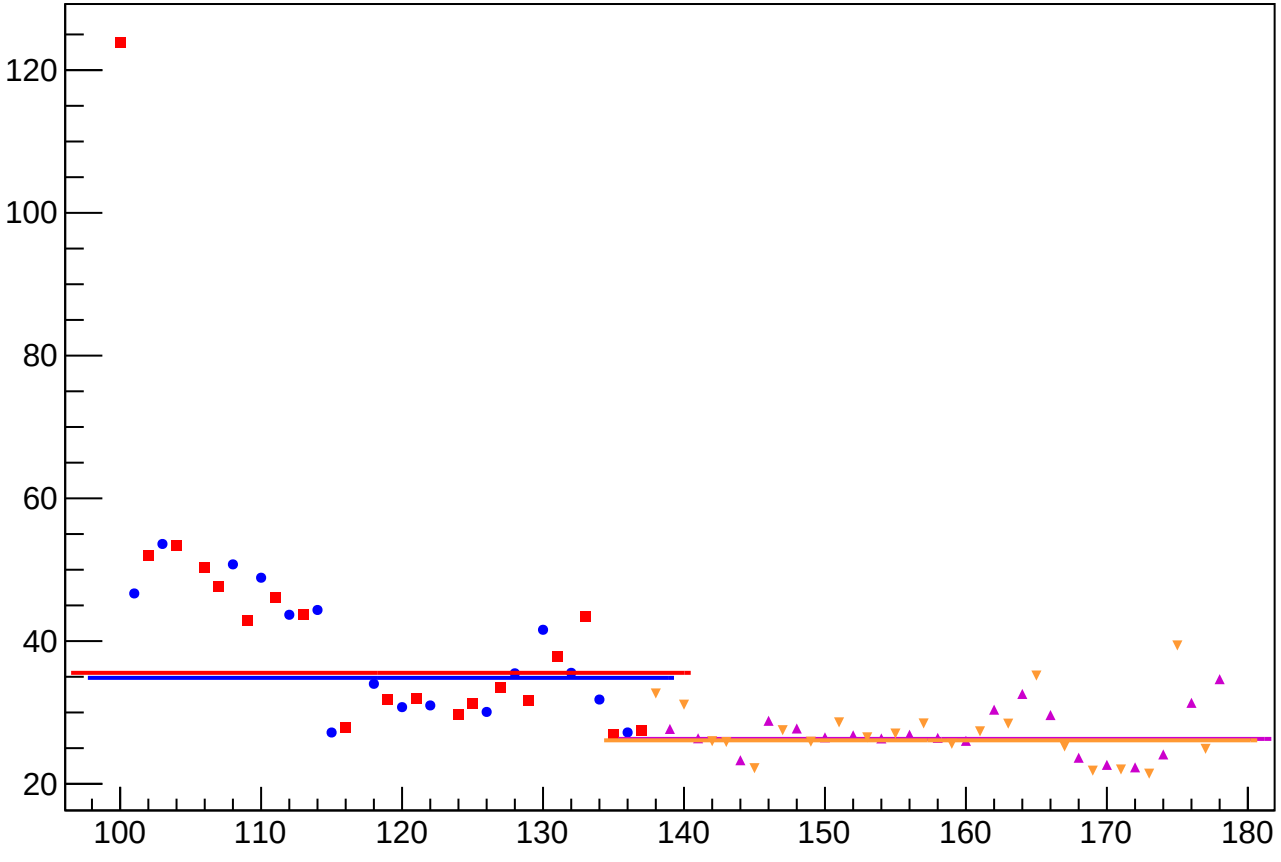
Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -9.880+/-5.955 χ^2/NDF:40.8/35

Out: 3.190+/-5.868 χ^2/NDF:47.9/39

All: -3.249+/-4.180 χ^2/NDF: 91.1/75

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: 26.296+/-0.005 χ^2/NDF:377330.6/19

Left: 26.194+/-0.003 χ^2/NDF: 1026085.5/40

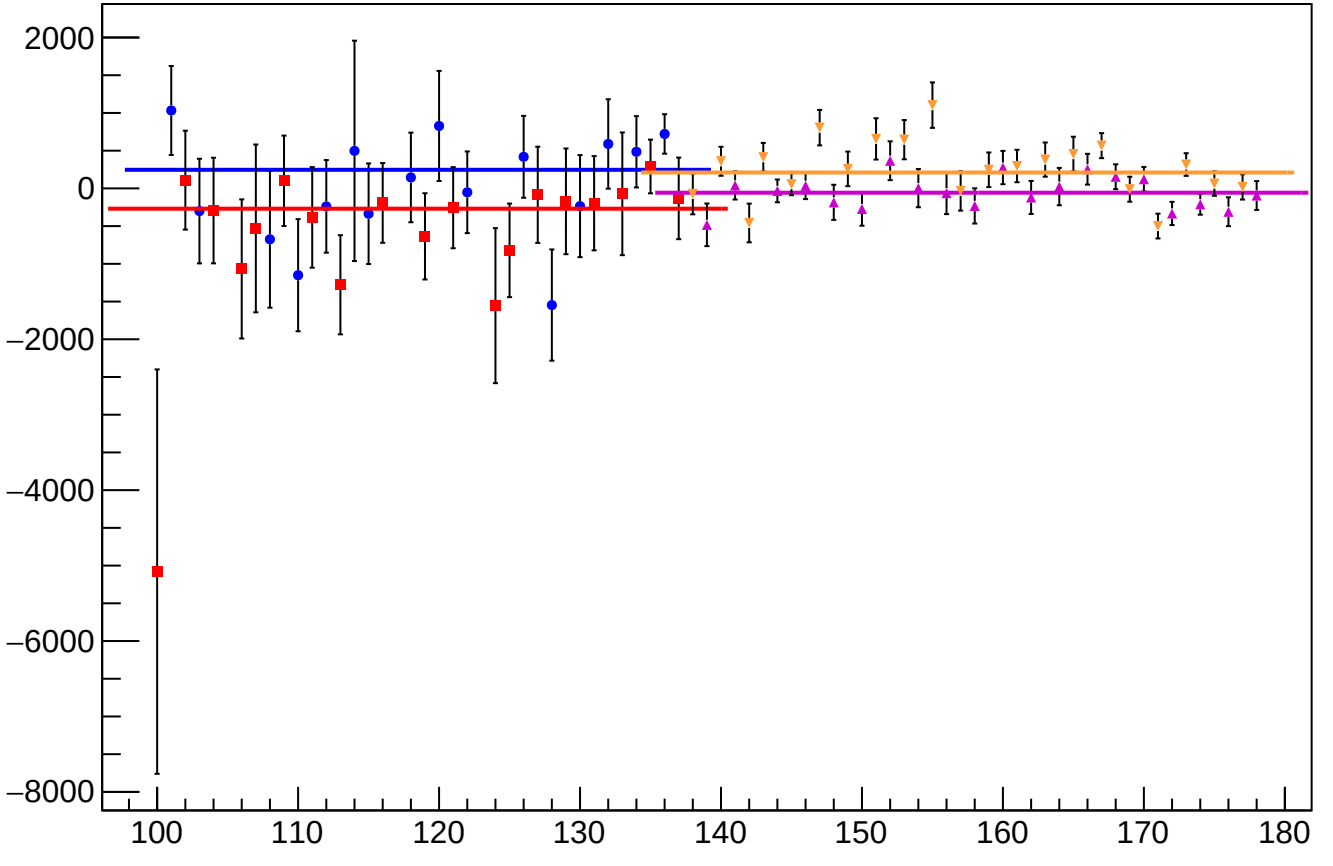
Right: 35.200+/-0.007 χ^2/NDF: 1440755.9/34

In: 27.987+/-0.004 χ^2/NDF:1690180.9/35

Out: 27.890+/-0.004 χ^2/NDF:2225919.7/39

All: 27.938+/-0.003 χ^2/NDF: 3916371.2/75

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: -57.068+/-43.699 χ^2/NDF:21.3/19

Left: 77.410+/-30.827 χ^2/NDF: 102.0/40

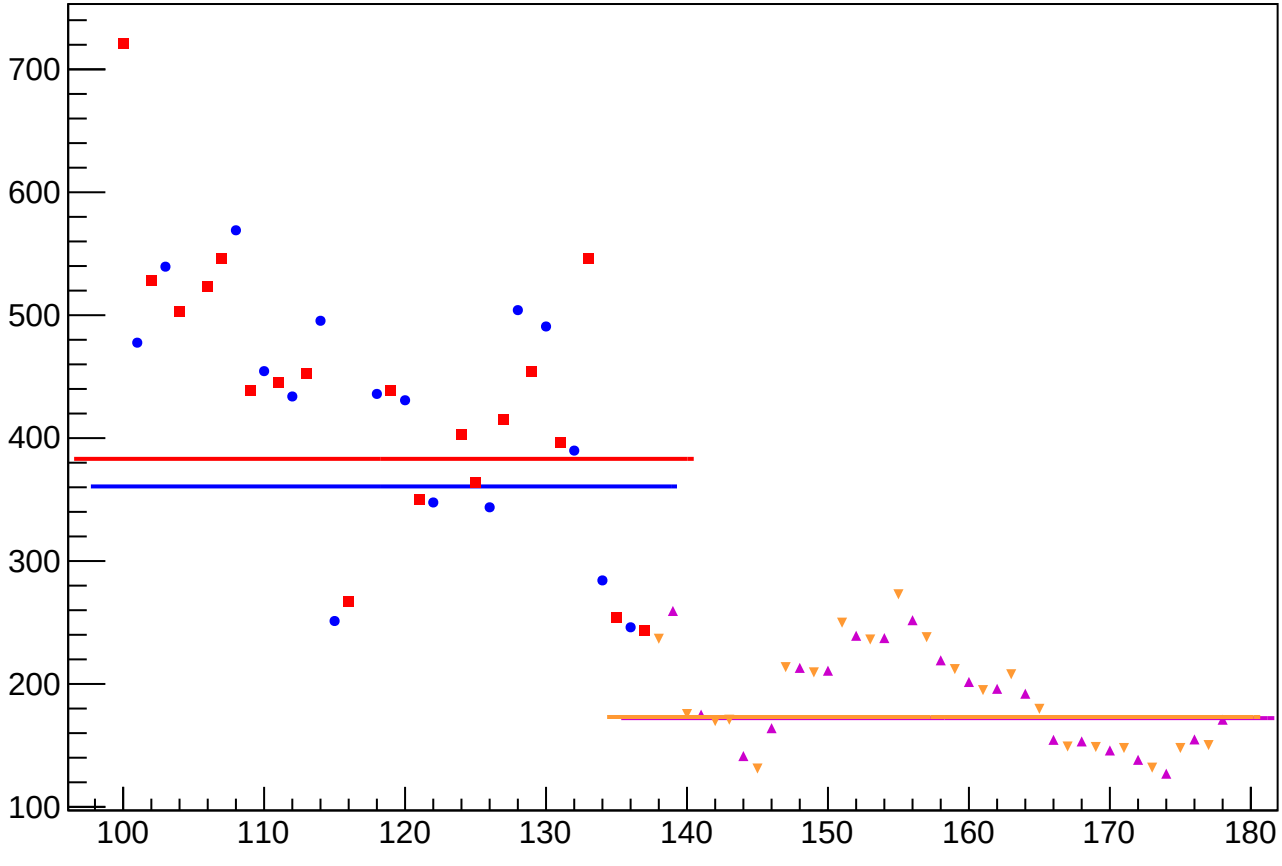
Right: -2.144+/-100.917 χ^2/NDF: 38.9/34

In: -30.213+/-41.722 χ^2/NDF:45.3/35

Out: 171.192+/-41.668 χ^2/NDF:84.5/39

All: 70.620+/-29.483 χ^2/NDF: 141.5/75

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: 172.201+/-0.031 χ^2/NDF:1406426.3/19

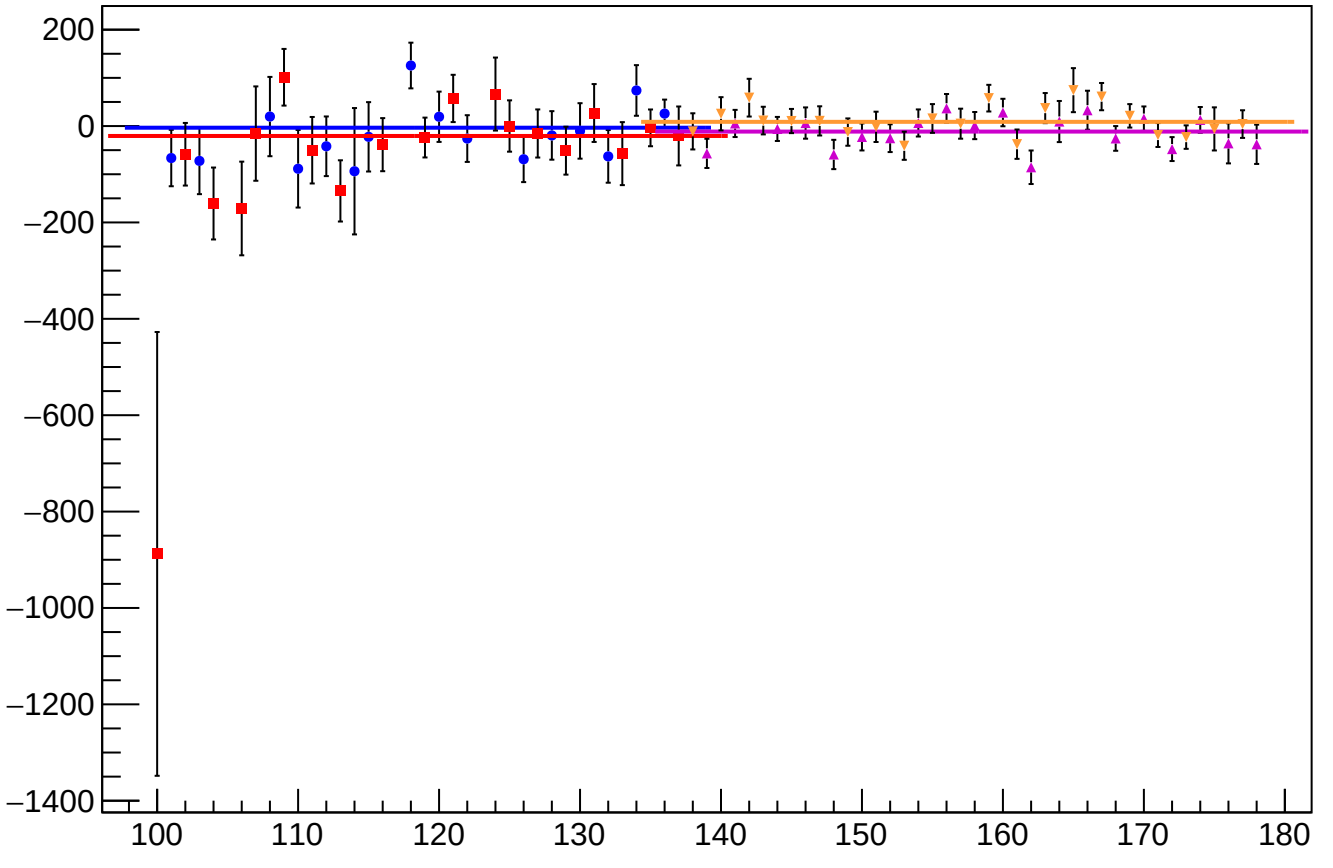
Left: 172.665+/-0.022 χ^2/NDF: 2906623.0/40

Right: 371.518+/-0.071 χ^2/NDF: 2080575.8/34

In: 188.876+/-0.030 χ^2/NDF:5790941.1/35

Out: 190.396+/-0.029 χ^2/NDF:6297484.1/39

All: 189.637+/-0.021 χ^2/NDF: 12089755.2/75



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: -11.470+/-6.648 χ^2/NDF:22.1/19

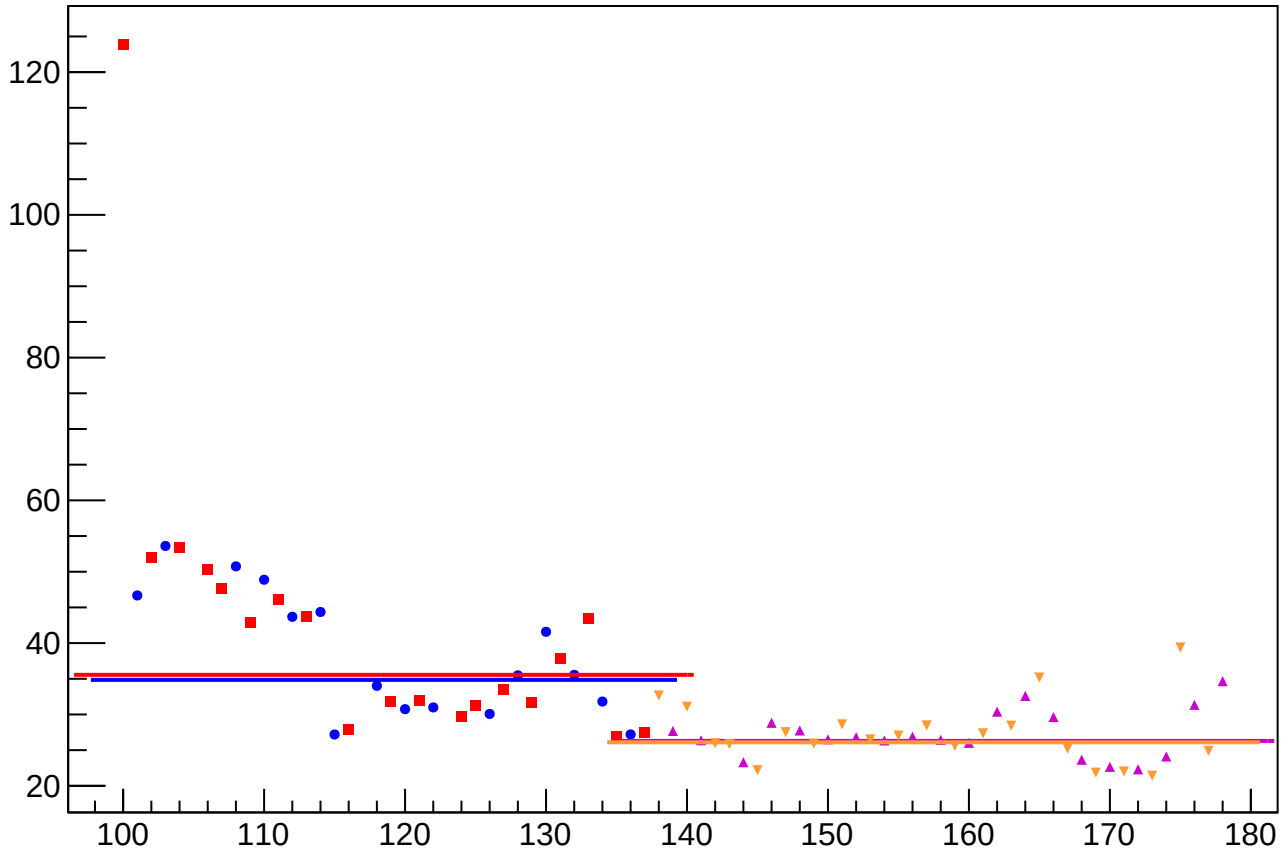
Left: -1.161+/-4.655 χ^2/NDF: 47.7/40

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -9.880+/-5.955 χ^2/NDF:40.8/35

Out: 3.190+/-5.868 χ^2/NDF:47.9/39

All: -3.249+/-4.180 χ^2/NDF: 91.1/75



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: 26.296+/-0.005 χ^2/NDF:377329.1/19

Left: 26.194+/-0.003 χ^2/NDF: 1026077.4/40

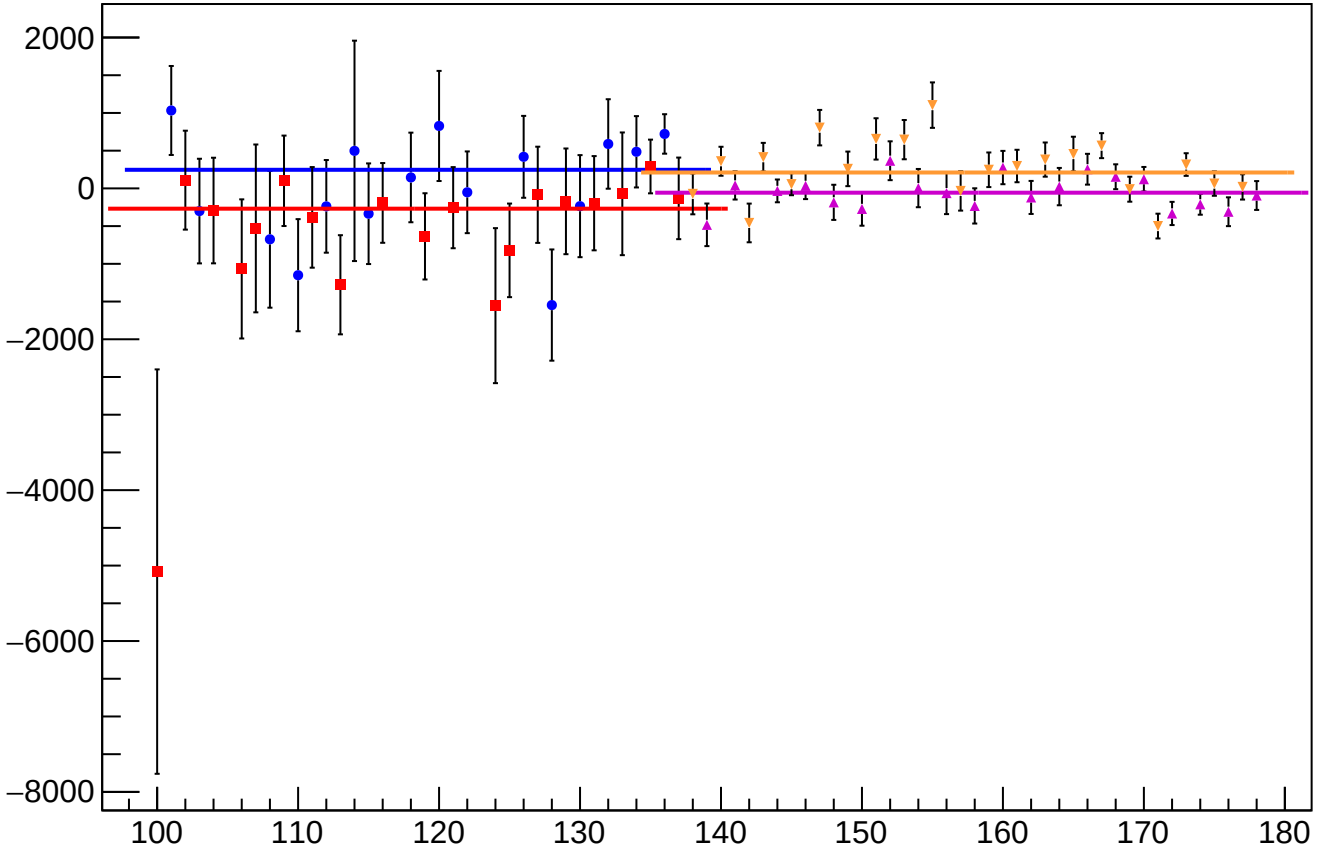
Right: 35.199+/-0.007 χ^2/NDF: 1440673.9/34

In: 27.987+/-0.004 χ^2/NDF:1690057.1/35

Out: 27.890+/-0.004 χ^2/NDF:2225815.8/39

All: 27.938+/-0.003 χ^2/NDF: 3916143.3/75

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: -57.068+/-43.699 χ^2/NDF:21.3/19

Left: 77.410+/-30.827 χ^2/NDF: 102.0/40

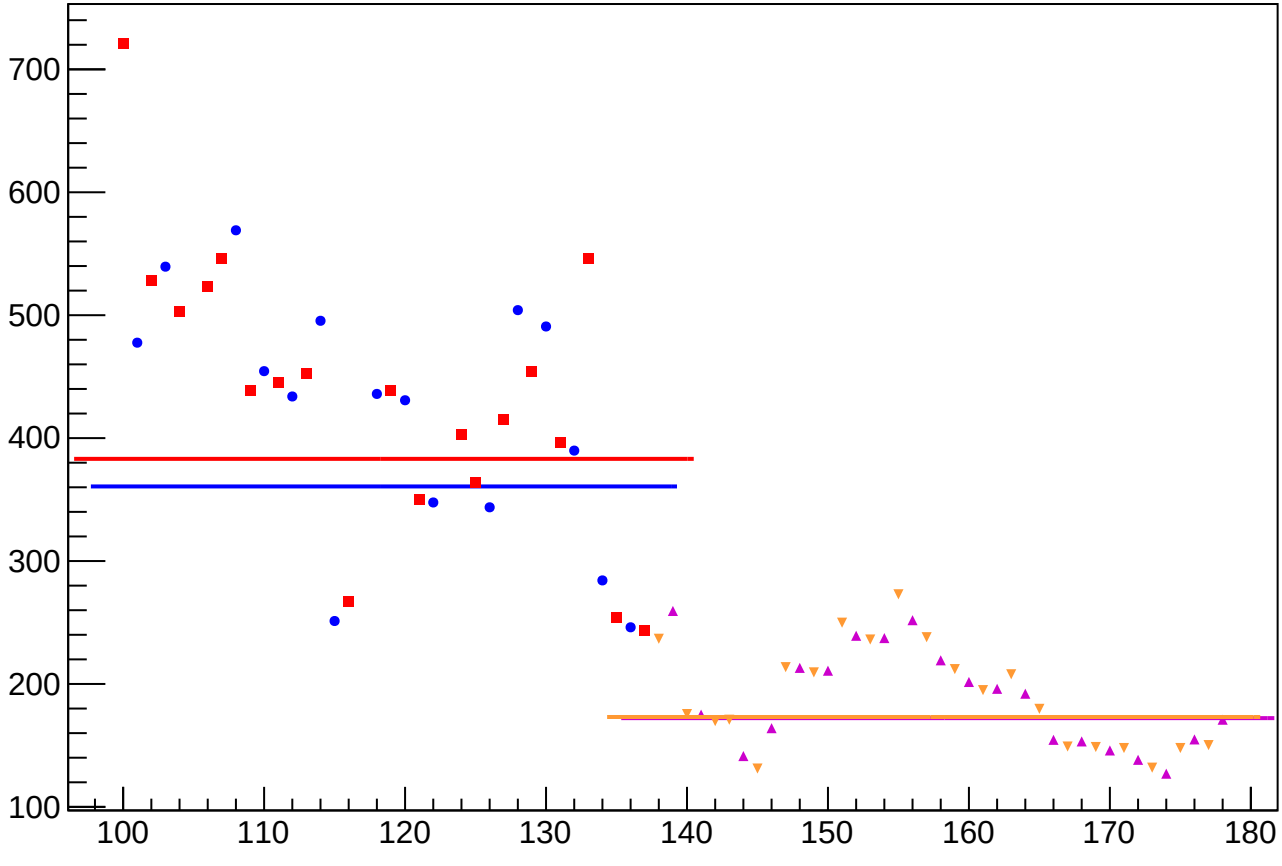
Right: -2.145+/-100.917 χ^2/NDF: 38.9/34

In: -30.212+/-41.722 χ^2/NDF:45.3/35

Out: 171.192+/-41.668 χ^2/NDF:84.5/39

All: 70.620+/-29.483 χ^2/NDF: 141.5/75

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: 172.200+/-0.031 χ^2/NDF:1406440.5/19

Left: 172.665+/-0.022 χ^2/NDF: 2906653.6/40

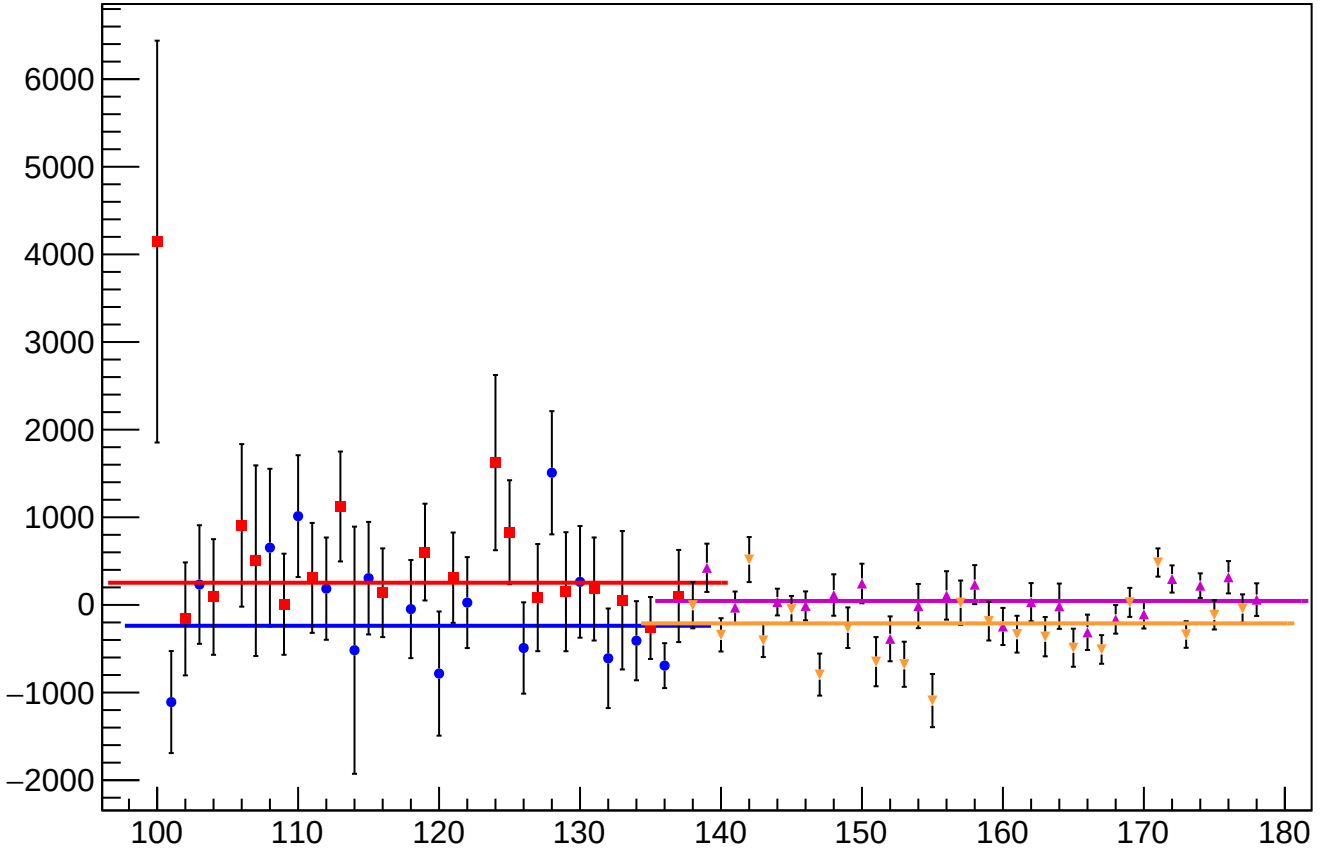
Right: 371.517+/-0.071 χ^2/NDF: 2080563.7/34

In: 188.875+/-0.030 χ^2/NDF:5790955.5/35

Out: 190.396+/-0.029 χ^2/NDF:6297498.8/39

All: 189.636+/-0.021 χ^2/NDF: 12089784.7/75

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



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: 45.074+/-43.288 χ^2/NDF:20.6/19

Left: -82.735+/-30.614 χ^2/NDF: 99.0/40

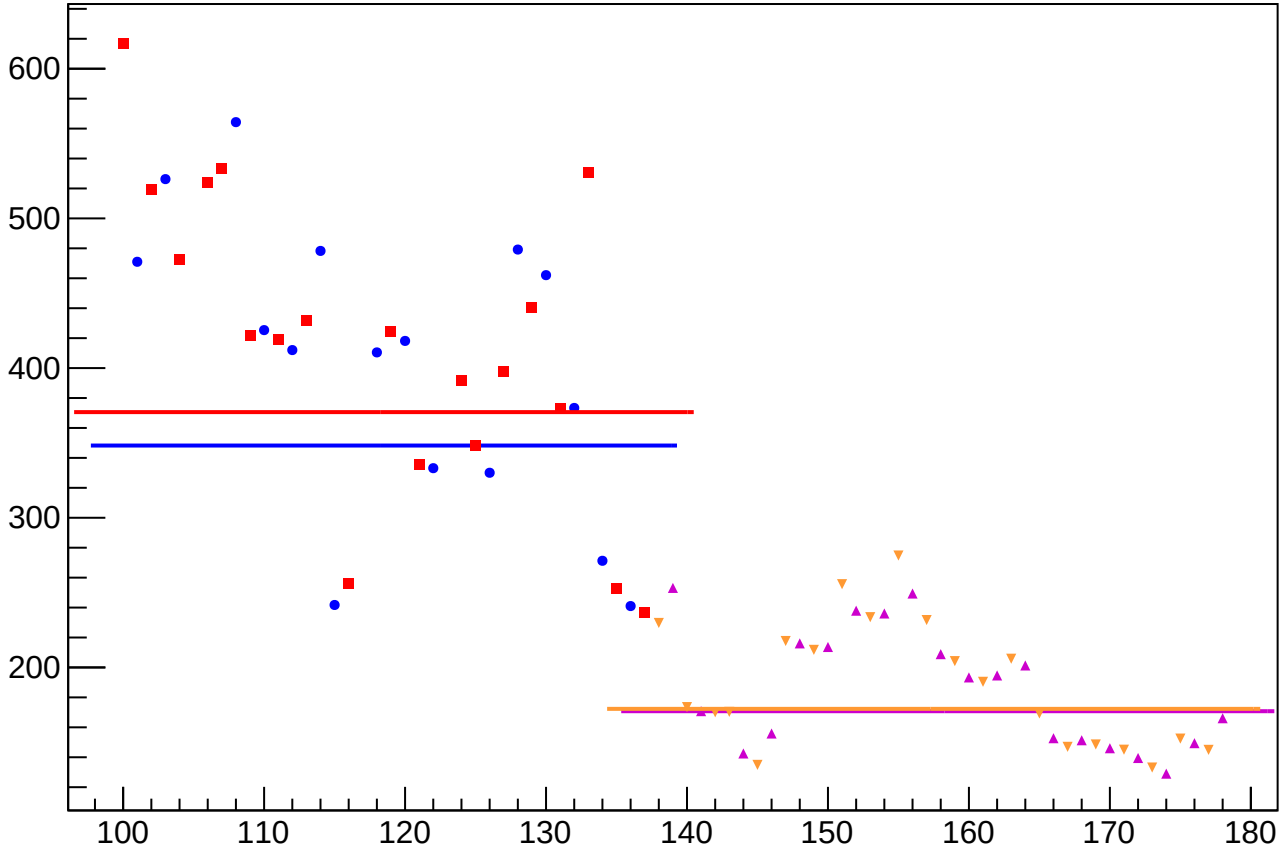
Right: -1.323+/-97.448 χ^2/NDF: 38.0/34

In: 18.802+/-41.231 χ^2/NDF:44.5/35

Out: -170.324+/-41.379 χ^2/NDF:82.6/39

All: -75.421+/-29.207 χ^2/NDF: 137.6/75

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



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: 170.765+/-0.031 χ^2/NDF:1352748.2/19

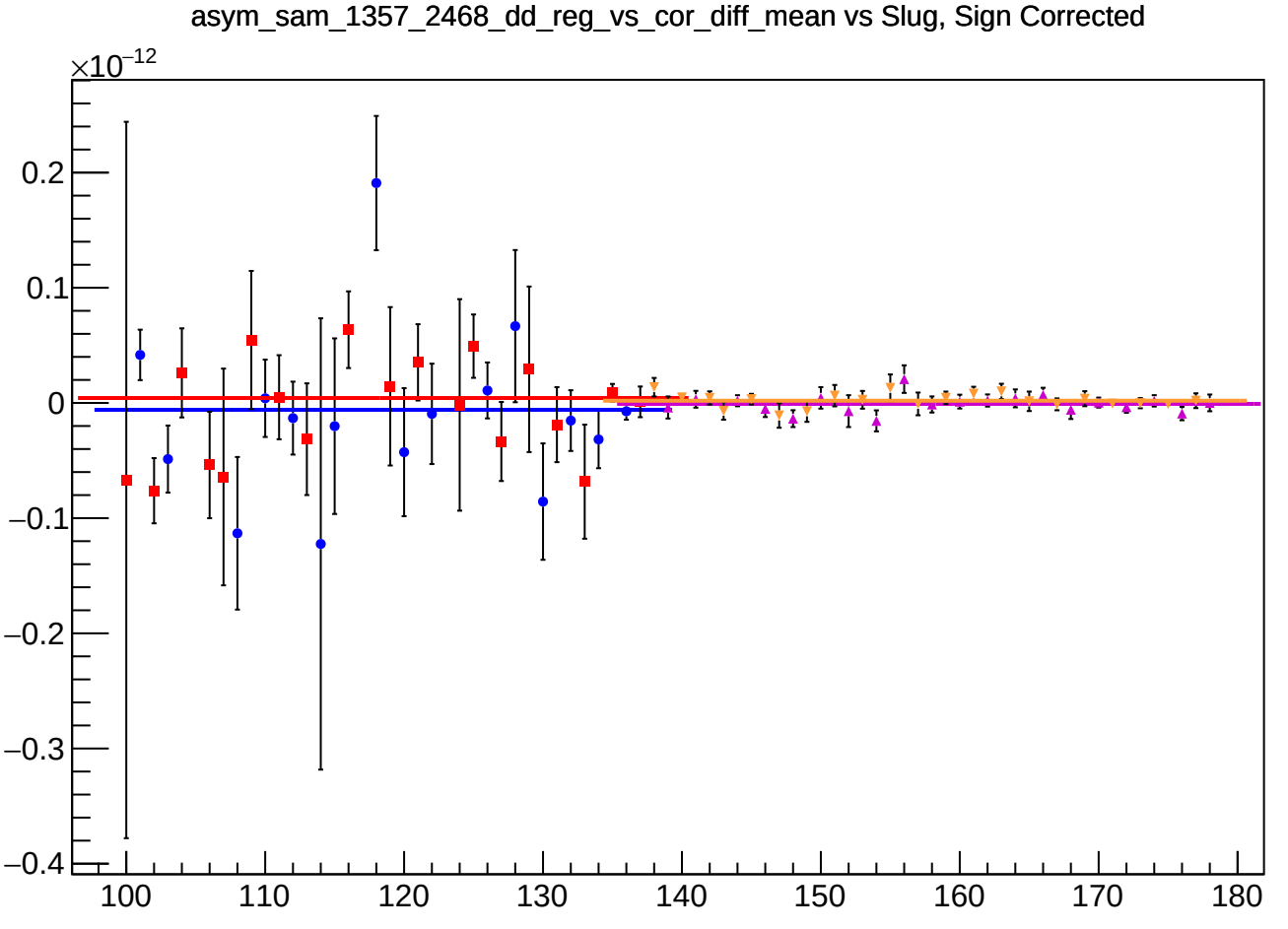
Left: 171.550+/-0.022 χ^2/NDF: 2795891.2/40

Right: 359.009+/-0.069 χ^2/NDF: 2000959.8/34

In: 187.236+/-0.029 χ^2/NDF:5529604.5/35

Out: 189.553+/-0.029 χ^2/NDF:6000399.2/39

All: 188.390+/-0.021 χ^2/NDF: 11533150.2/75



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:16.0/19

Left: 0.000+/-0.000 χ^2/NDF: 30.7/40

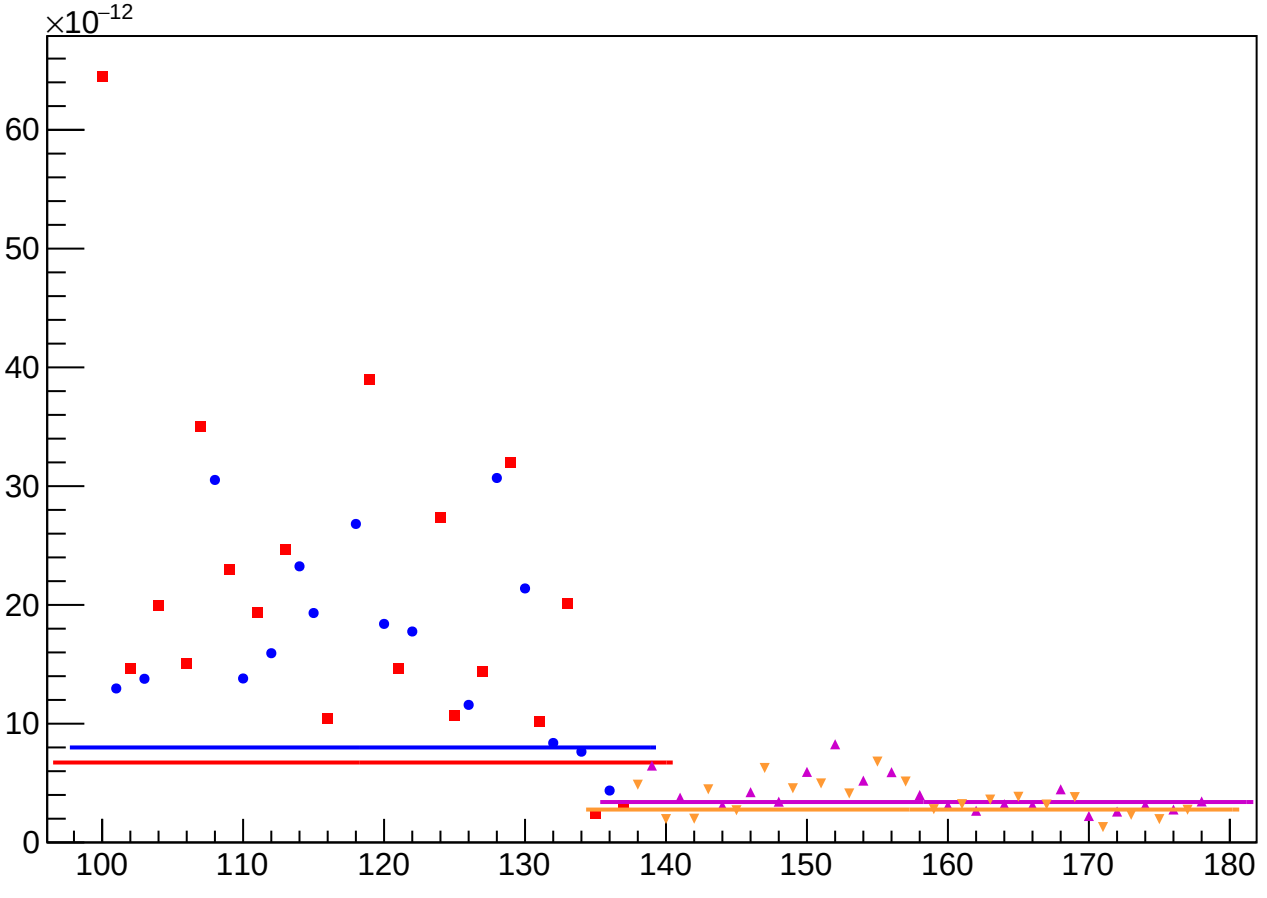
Right: -0.000+/-0.000 χ^2/NDF: 51.9/34

In: -0.000+/-0.000 χ^2/NDF:44.1/35

Out: 0.000+/-0.000 χ^2/NDF:35.8/39

All: 0.000+/-0.000 χ^2/NDF: 82.7/75

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1949755.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1820307.8/20

Right Out: 0.000+/-0.000 χ^2/NDF: 3379574.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1133139.2/19

Left: 0.000+/-0.000 χ^2/NDF: 3174415.5/40

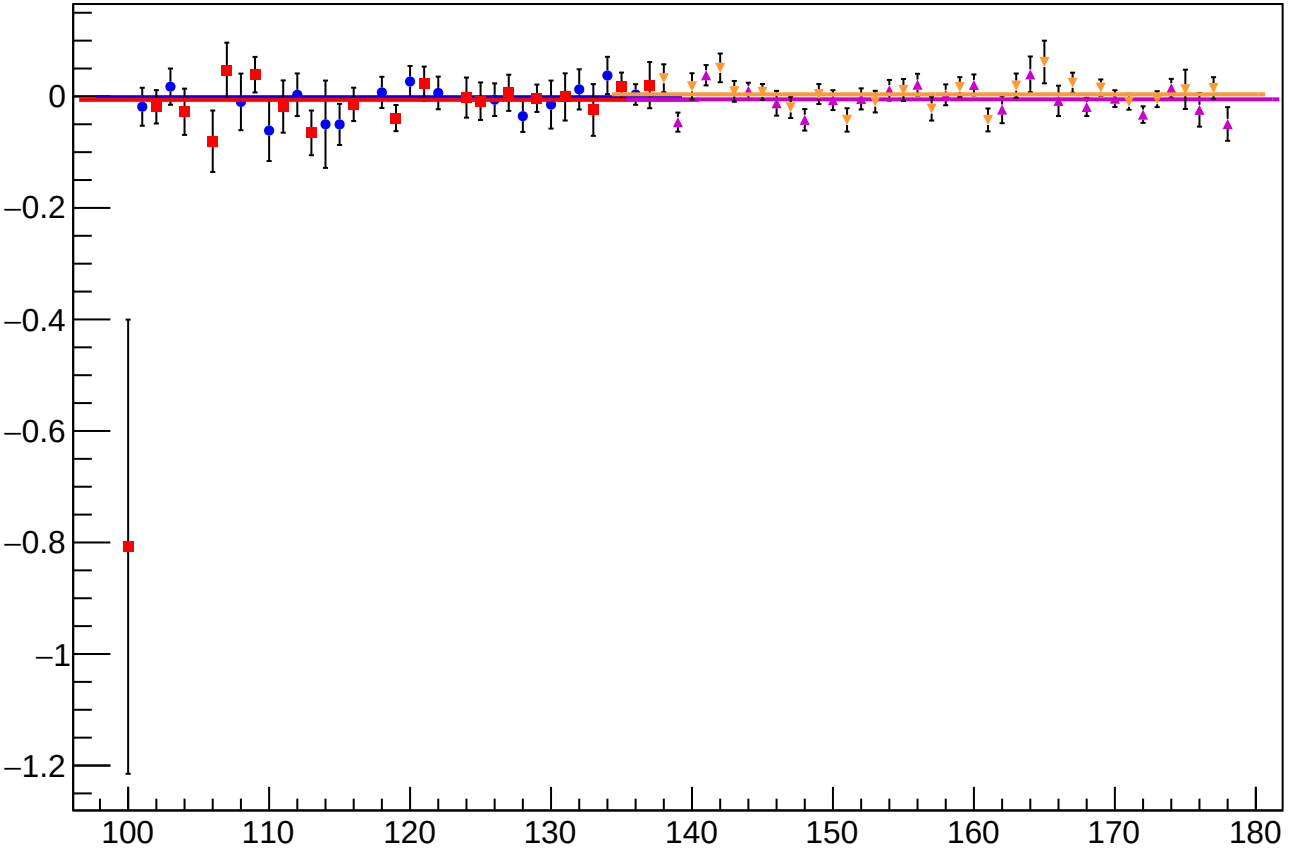
Right: 0.000+/-0.000 χ^2/NDF: 5380161.4/34

In: 0.000+/-0.000 χ^2/NDF:4307729.6/35

Out: 0.000+/-0.000 χ^2/NDF:6167829.7/39

All: 0.000+/-0.000 χ^2/NDF: 10785409.4/75

asym_sam_1357_2468_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.004 χ^2/NDF:25.6/20

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.005+/-0.004 χ^2/NDF:31.4/19

Left: -0.001+/-0.003 χ^2/NDF: 59.3/40

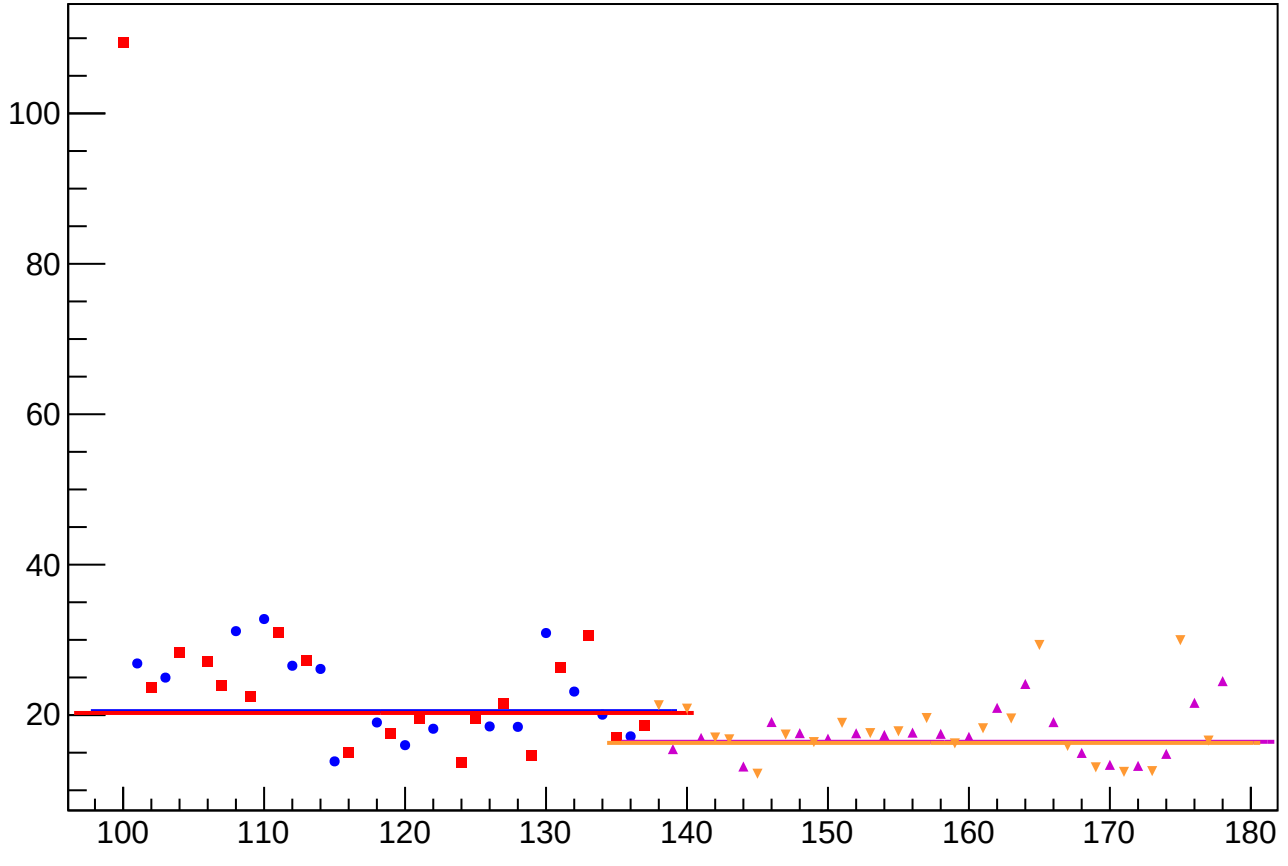
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.004+/-0.004 χ^2/NDF:39.9/35

Out: 0.002+/-0.004 χ^2/NDF:43.1/39

All: -0.001+/-0.003 χ^2/NDF: 84.3/75

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: 16.448+/-0.003 χ^2/NDF:790831.6/19

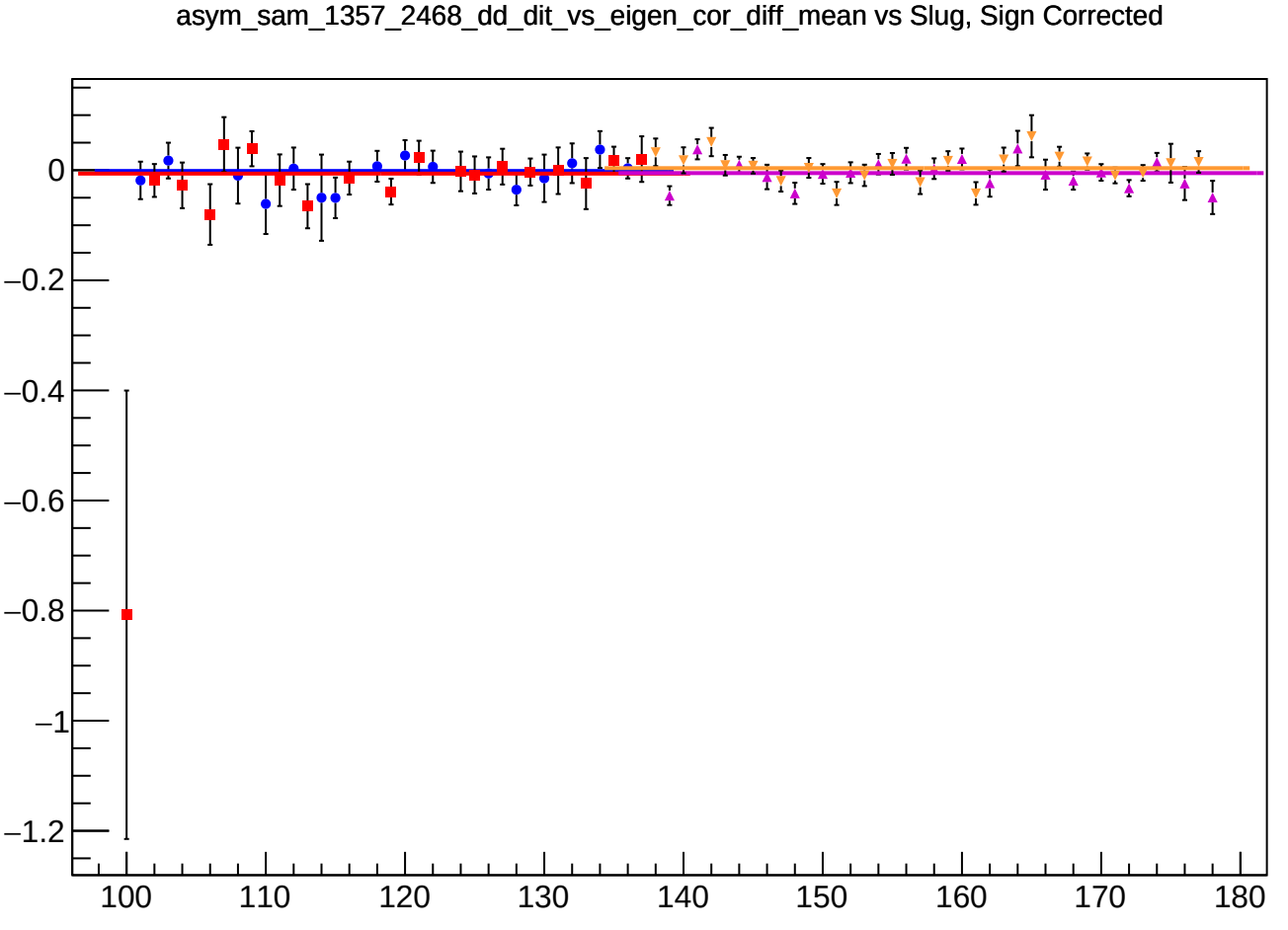
Left: 16.373+/-0.002 χ^2/NDF: 2205690.5/40

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 17.332+/-0.003 χ^2/NDF:1896857.0/35

Out: 17.169+/-0.003 χ^2/NDF:2676643.9/39

All: 17.249+/-0.002 χ^2/NDF: 4575426.9/75



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: -0.005+/-0.004 χ^2/NDF:31.4/19

Left: -0.001+/-0.003 χ^2/NDF: 59.3/40

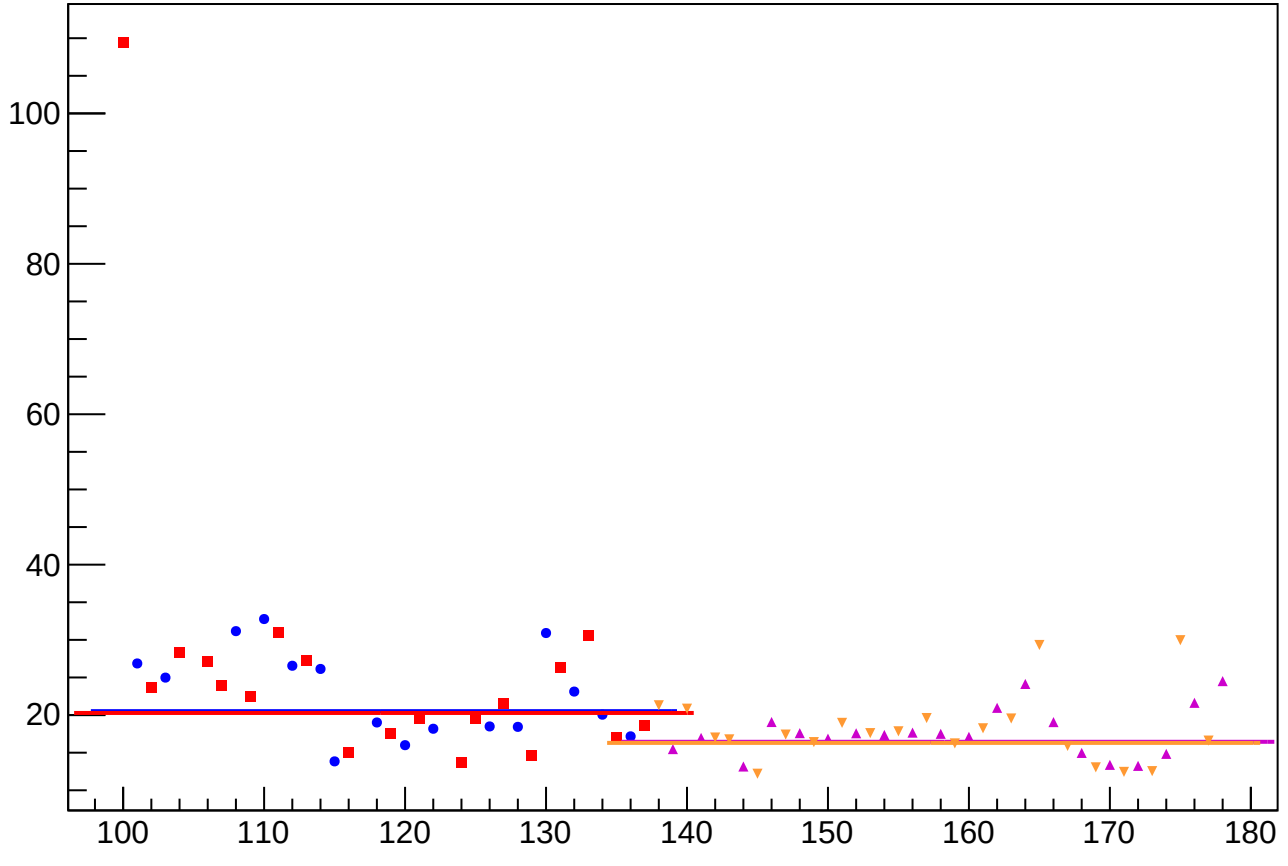
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.004+/-0.004 χ^2/NDF:39.9/35

Out: 0.002+/-0.004 χ^2/NDF:43.1/39

All: -0.001+/-0.003 χ^2/NDF: 84.3/75

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: 16.448+/-0.003 χ^2/NDF:790831.6/19

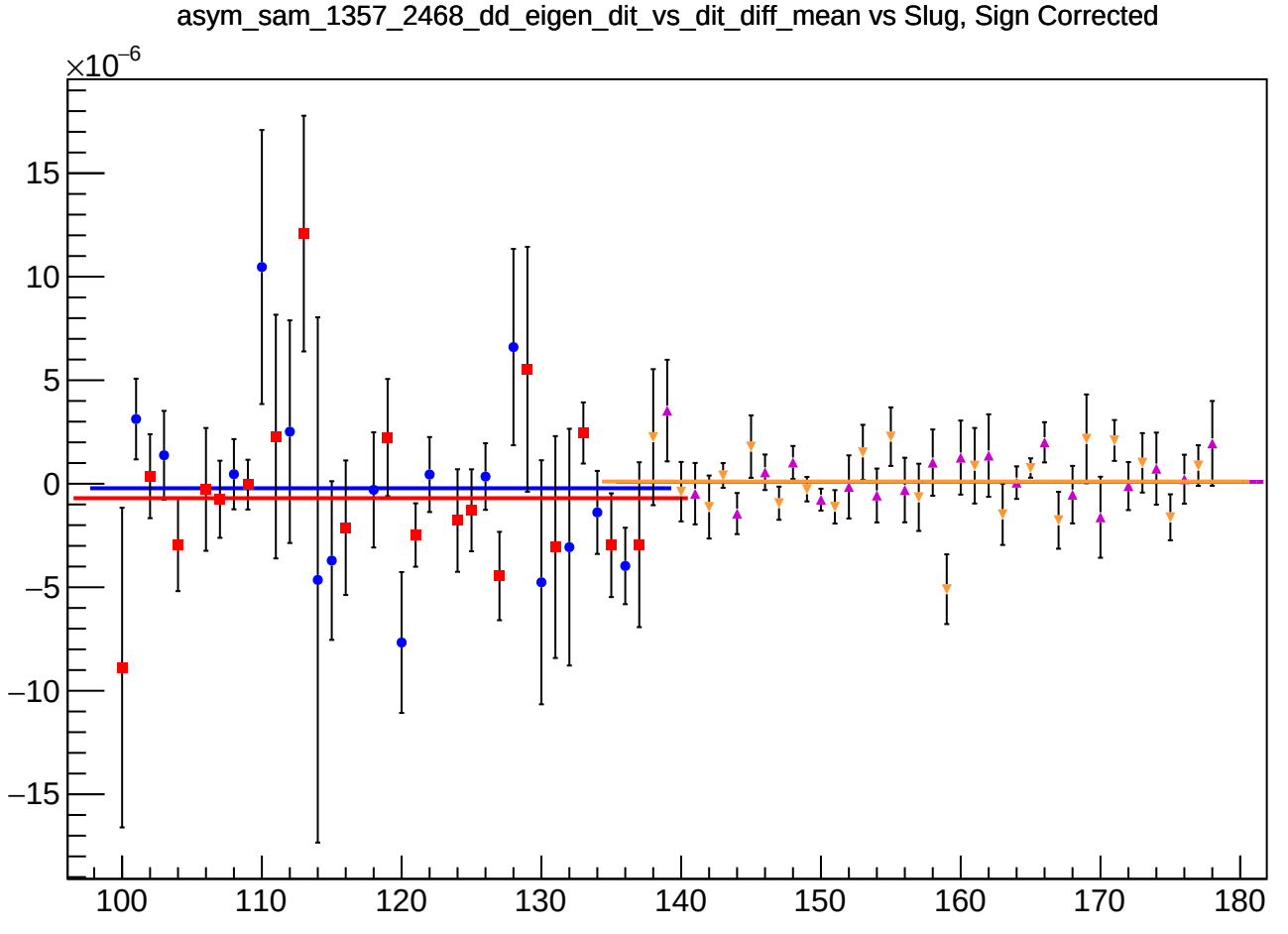
Left: 16.373+/-0.002 χ^2/NDF: 2205690.5/40

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 17.332+/-0.003 χ^2/NDF:1896857.0/35

Out: 17.169+/-0.003 χ^2/NDF:2676643.9/39

All: 17.249+/-0.002 χ^2/NDF: 4575426.9/75



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:16.2/19

Left: 0.000+/-0.000 χ^2/NDF: 50.0/40

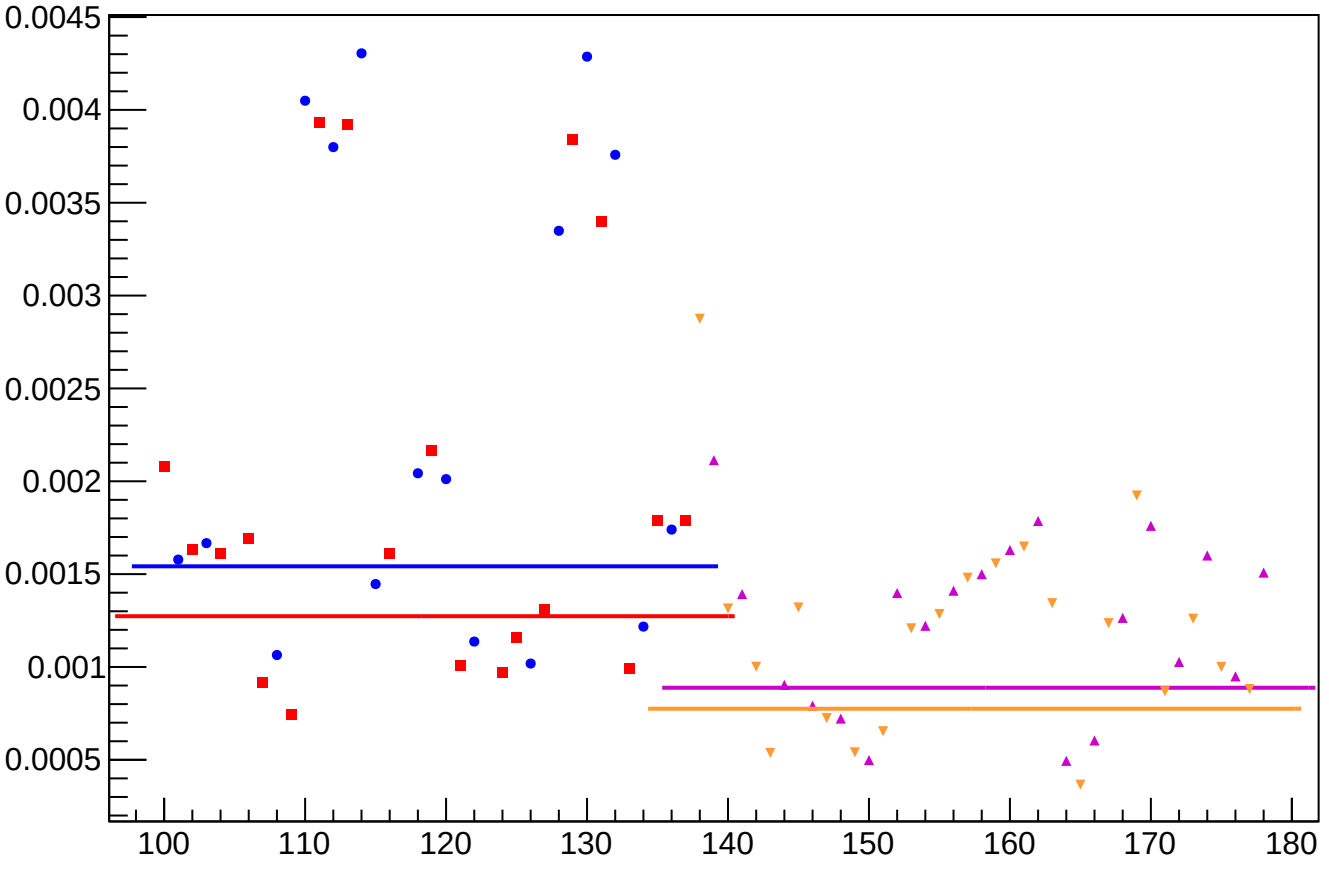
Right: -0.000+/-0.000 χ^2/NDF: 41.2/34

In: 0.000+/-0.000 χ^2/NDF:36.3/35

Out: -0.000+/-0.000 χ^2/NDF:56.9/39

All: 0.000+/-0.000 χ^2/NDF: 93.2/75

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:5323156.5/19

Left: 0.001+/-0.000 χ^2/NDF: 12366201.8/40

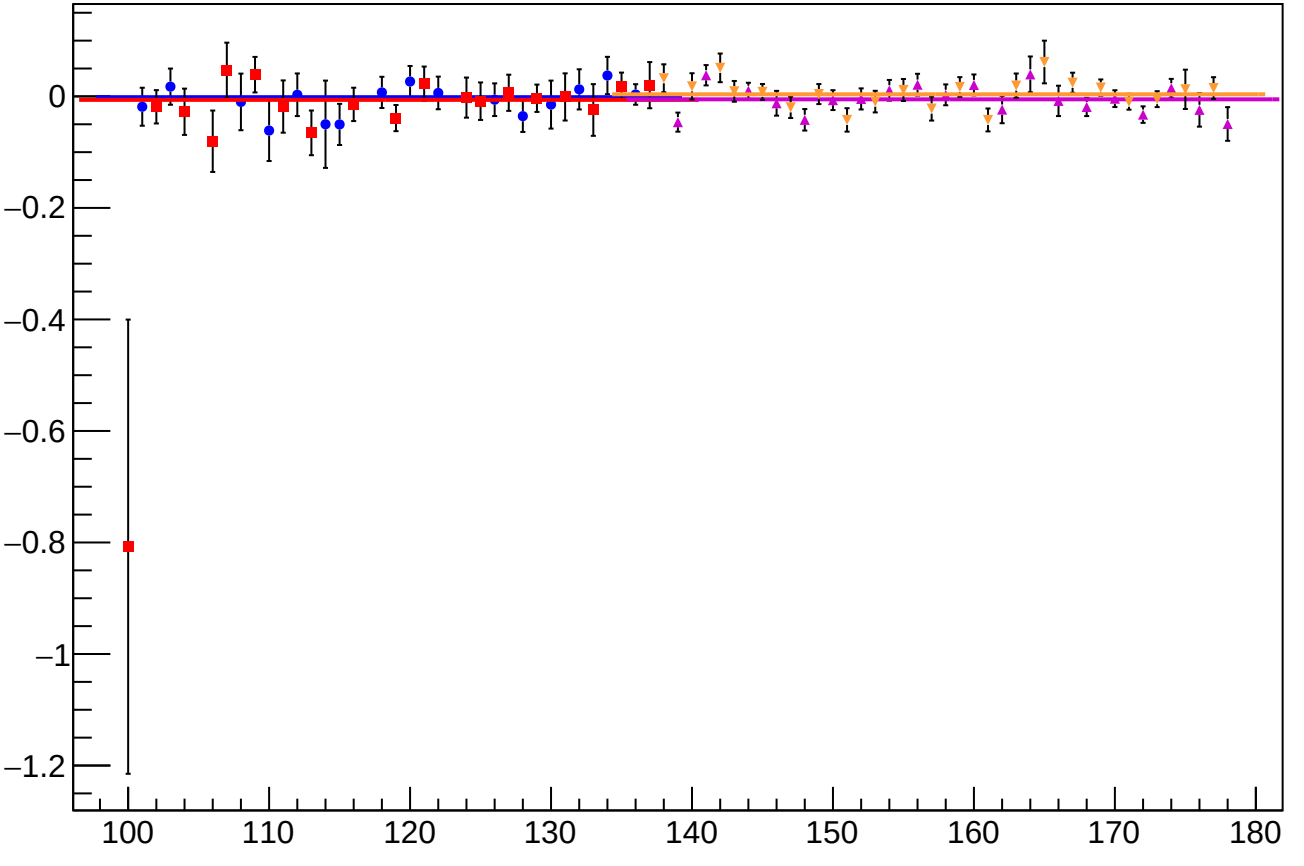
Right: 0.001+/-0.000 χ^2/NDF: 5298926.0/34

In: 0.001+/-0.000 χ^2/NDF:9598610.8/35

Out: 0.001+/-0.000 χ^2/NDF:11021038.6/39

All: 0.001+/-0.000 χ^2/NDF: 20976186.4/75

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.004 χ^2/NDF:25.6/20

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.005+/-0.004 χ^2/NDF:31.4/19

Left: -0.001+/-0.003 χ^2/NDF: 59.3/40

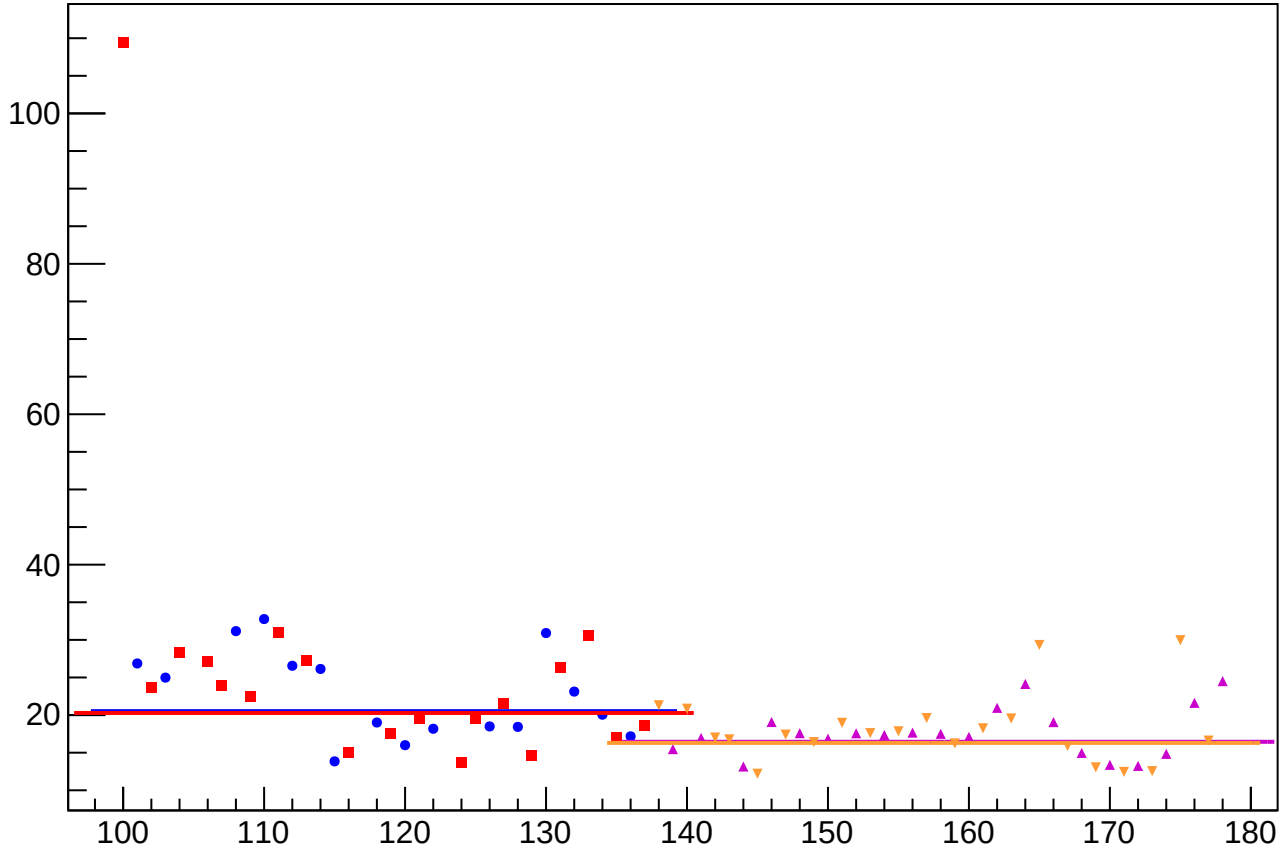
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.004+/-0.004 χ^2/NDF:39.9/35

Out: 0.002+/-0.004 χ^2/NDF:43.1/39

All: -0.001+/-0.003 χ^2/NDF: 84.2/75

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: 16.448+/-0.003 χ^2/NDF:790850.6/19

Left: 16.373+/-0.002 χ^2/NDF: 2205666.9/40

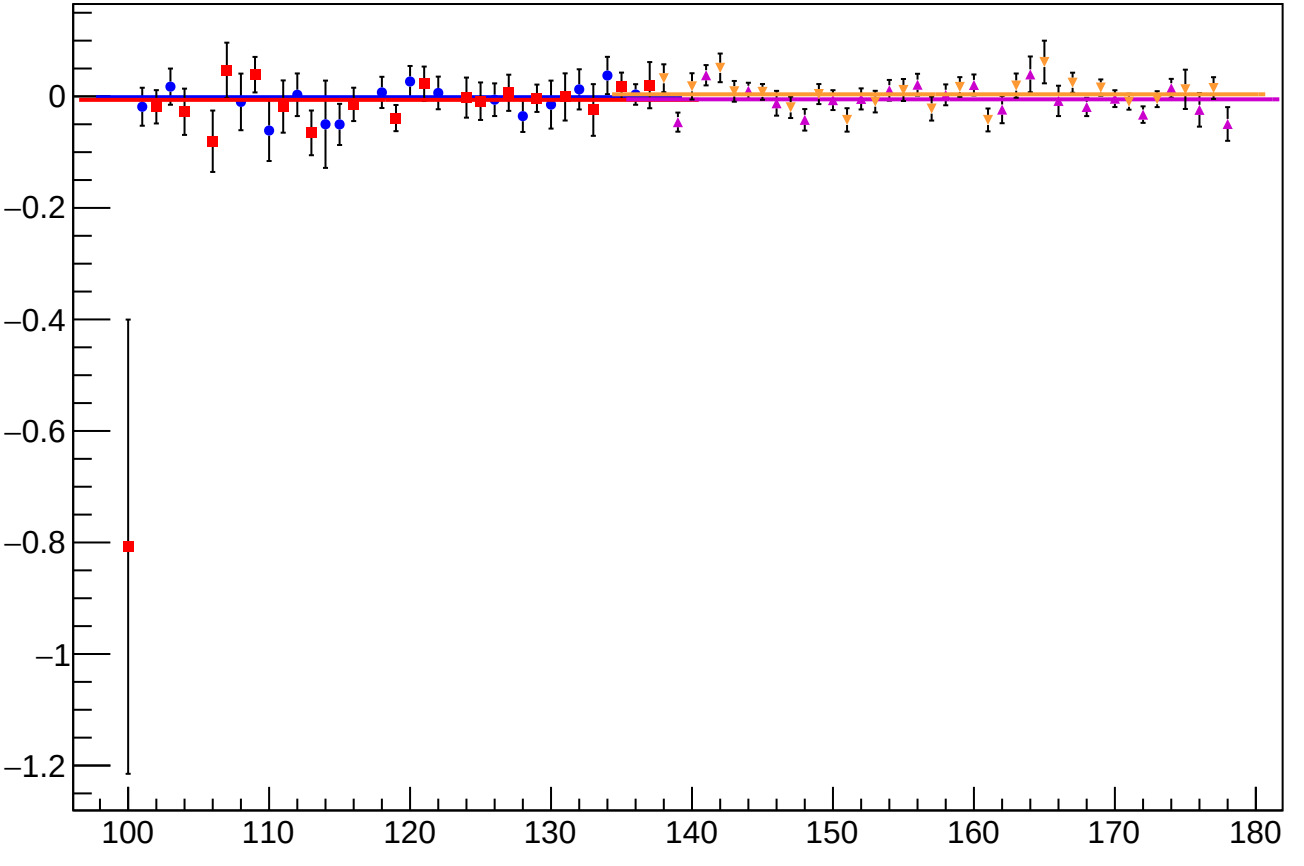
Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 17.332+/-0.003 χ^2/NDF:1896635.6/35

Out: 17.169+/-0.003 χ^2/NDF:2676450.8/39

All: 17.249+/-0.002 χ^2/NDF: 4575011.8/75

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: -0.005+/-0.004 χ^2/NDF:31.4/19

Left: -0.001+/-0.003 χ^2/NDF: 59.3/40

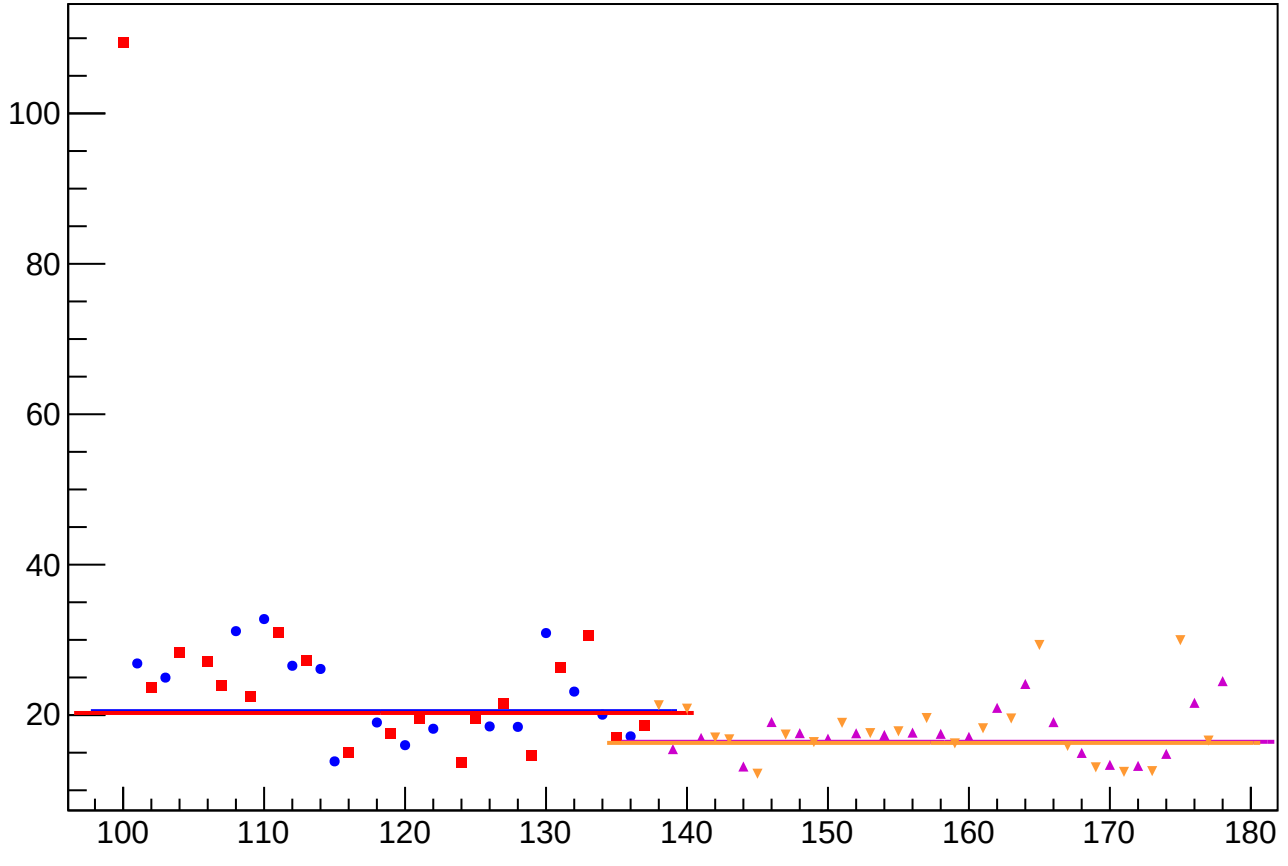
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.004+/-0.004 χ^2/NDF:39.9/35

Out: 0.002+/-0.004 χ^2/NDF:43.1/39

All: -0.001+/-0.003 χ^2/NDF: 84.2/75

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: 16.448+/-0.003 χ^2/NDF:790850.6/19

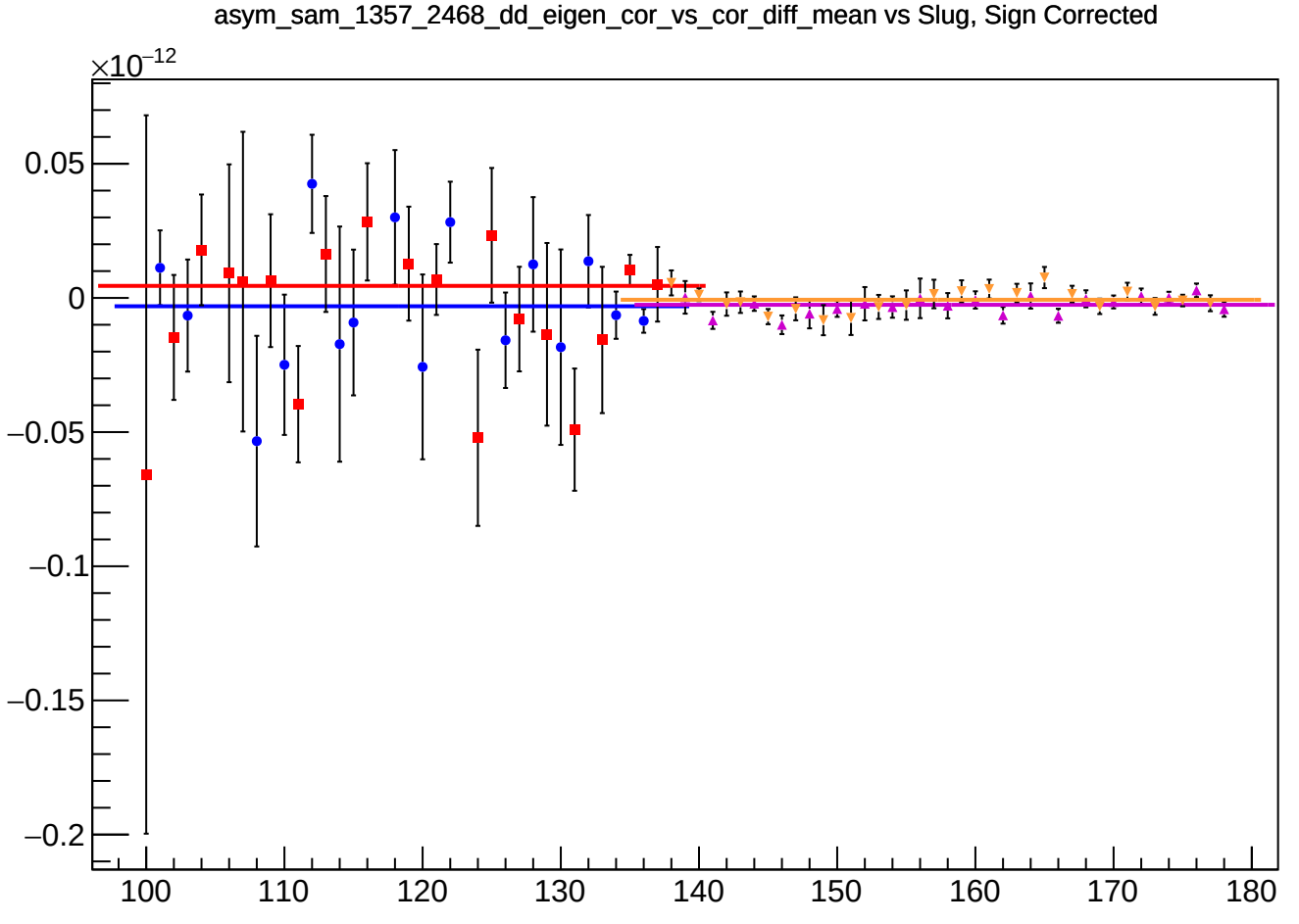
Left: 16.373+/-0.002 χ^2/NDF: 2205666.9/40

Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 17.332+/-0.003 χ^2/NDF:1896635.6/35

Out: 17.169+/-0.003 χ^2/NDF:2676450.8/39

All: 17.249+/-0.002 χ^2/NDF: 4575011.8/75



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:22.2/19

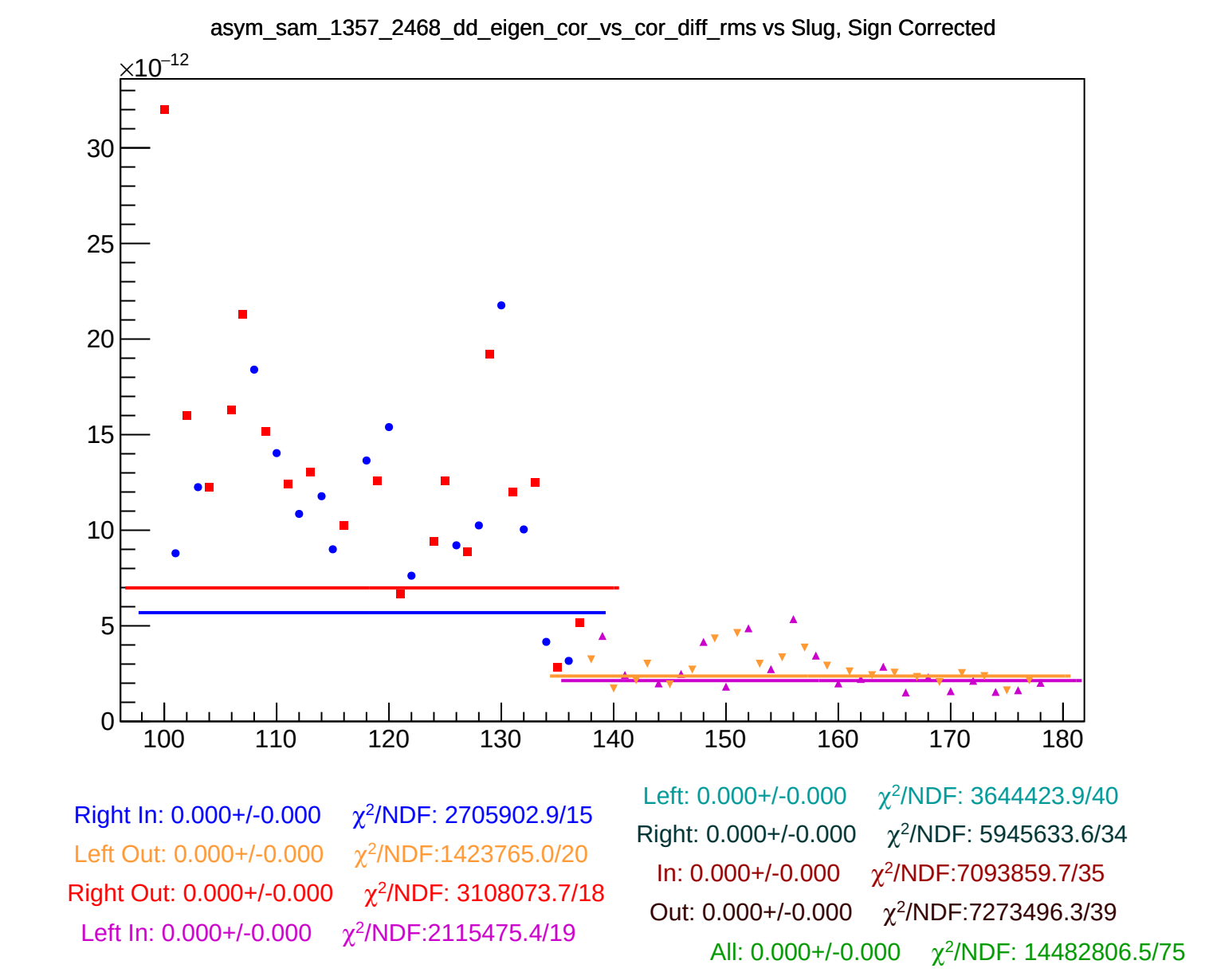
Left: -0.000+/-0.000 χ^2/NDF: 47.0/40

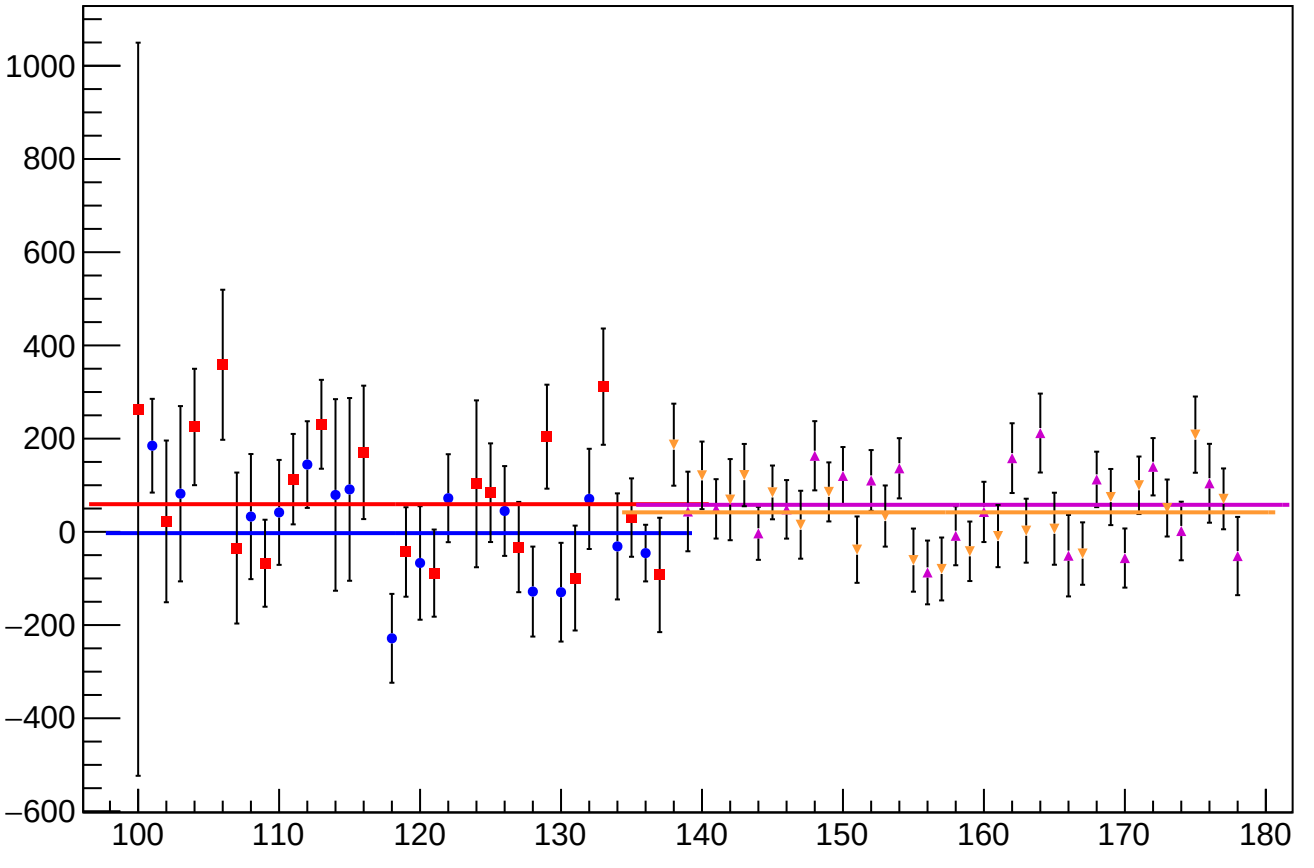
Right: 0.000+/-0.000 χ^2/NDF: 40.8/34

In: -0.000+/-0.000 χ^2/NDF:42.2/35

Out: -0.000+/-0.000 χ^2/NDF:41.9/39

All: -0.000+/-0.000 χ^2/NDF: 88.3/75


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
30
25
20
15
10
5
0
100
110
120
130
140
150
160
170
180
Right In: 0.000+/-0.000 χ²/NDF: 2705902.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1423765.0/20
Right Out: 0.000+/-0.000 χ²/NDF: 3108073.7/18
Left In: 0.000+/-0.000 χ²/NDF:2115475.4/19
Left: 0.000+/-0.000 χ²/NDF: 3644423.9/40
Right: 0.000+/-0.000 χ²/NDF: 5945633.6/34
In: 0.000+/-0.000 χ²/NDF:7093859.7/35
Out: 0.000+/-0.000 χ²/NDF:7273496.3/39
All: 0.000+/-0.000 χ²/NDF: 14482806.5/75



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: 57.988+/-15.173 χ^2/NDF:27.3/19

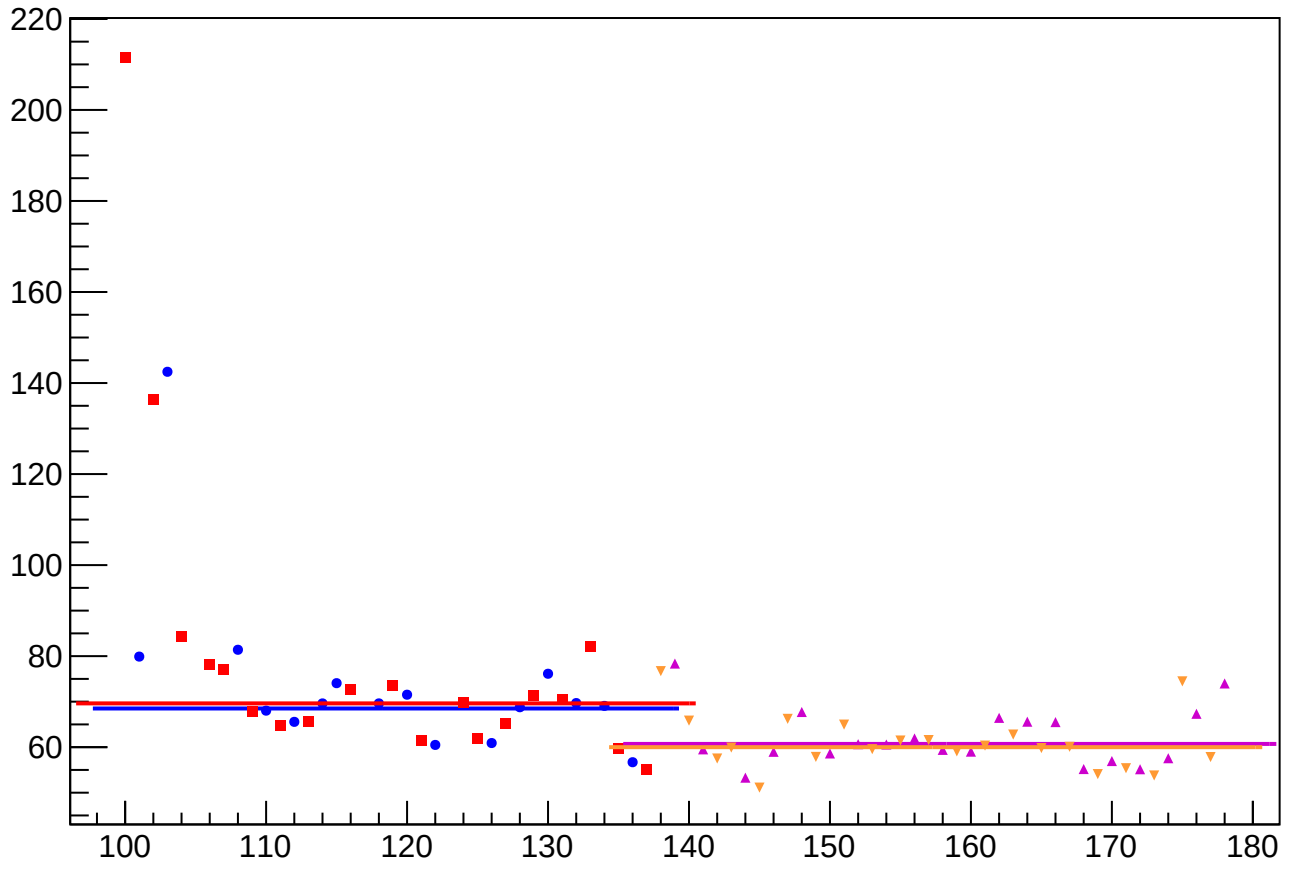
Left: 49.740+/-10.608 χ^2/NDF: 51.4/40

Right: 28.091+/-18.595 χ^2/NDF: 46.2/34

In: 42.742+/-13.132 χ^2/NDF:49.0/35

Out: 46.057+/-12.932 χ^2/NDF:49.6/39

All: 44.425+/-9.214 χ^2/NDF: 98.7/75



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: 60.713+/-0.011 χ^2/NDF:276881.9/19

Left: 60.348+/-0.008 χ^2/NDF: 561592.6/40

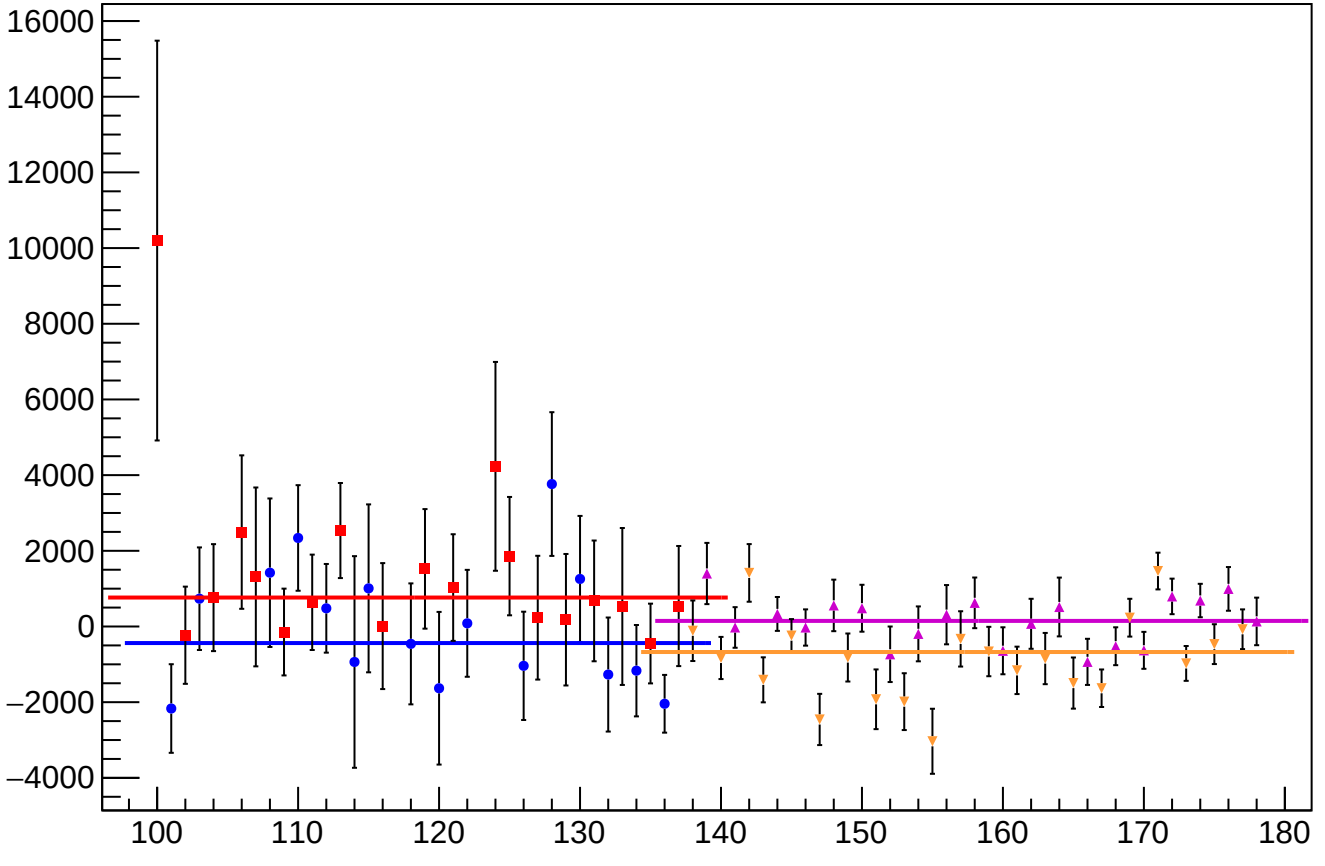
Right: 69.056+/-0.013 χ^2/NDF: 994086.4/34

In: 62.667+/-0.009 χ^2/NDF:880908.0/35

Out: 62.311+/-0.009 χ^2/NDF:1004900.5/39

All: 62.486+/-0.007 χ^2/NDF: 1886554.7/75

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: 147.739+/-129.819 χ^2/NDF:20.5/19

Left: -263.543+/-91.766 χ^2/NDF: 102.0/40

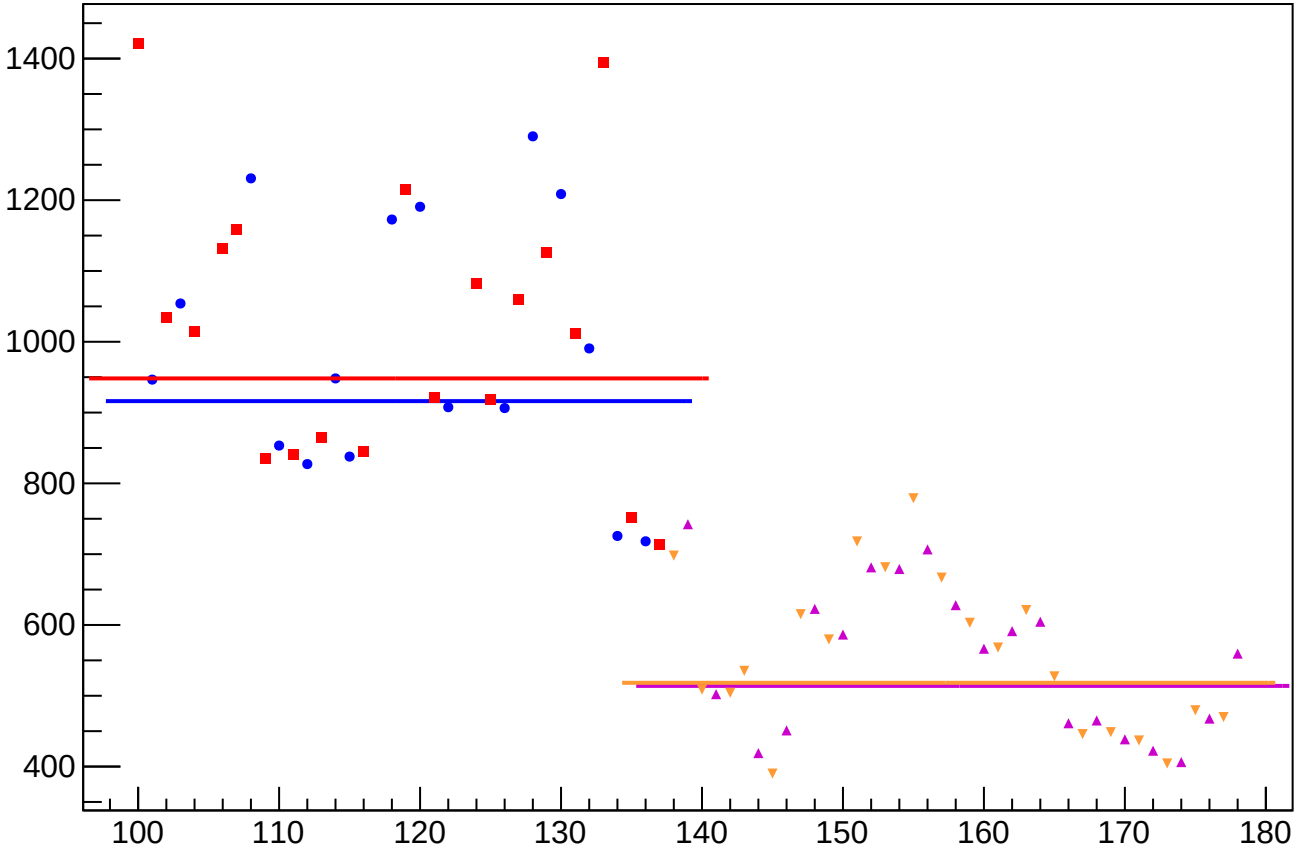
Right: 156.799+/-248.157 χ^2/NDF: 37.7/34

In: 76.568+/-121.669 χ^2/NDF:43.6/35

Out: -503.021+/-121.773 χ^2/NDF:87.4/39

All: -212.978+/-86.070 χ^2/NDF: 142.3/75

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: 513.940+/-0.092 χ^2/NDF:1118771.8/19

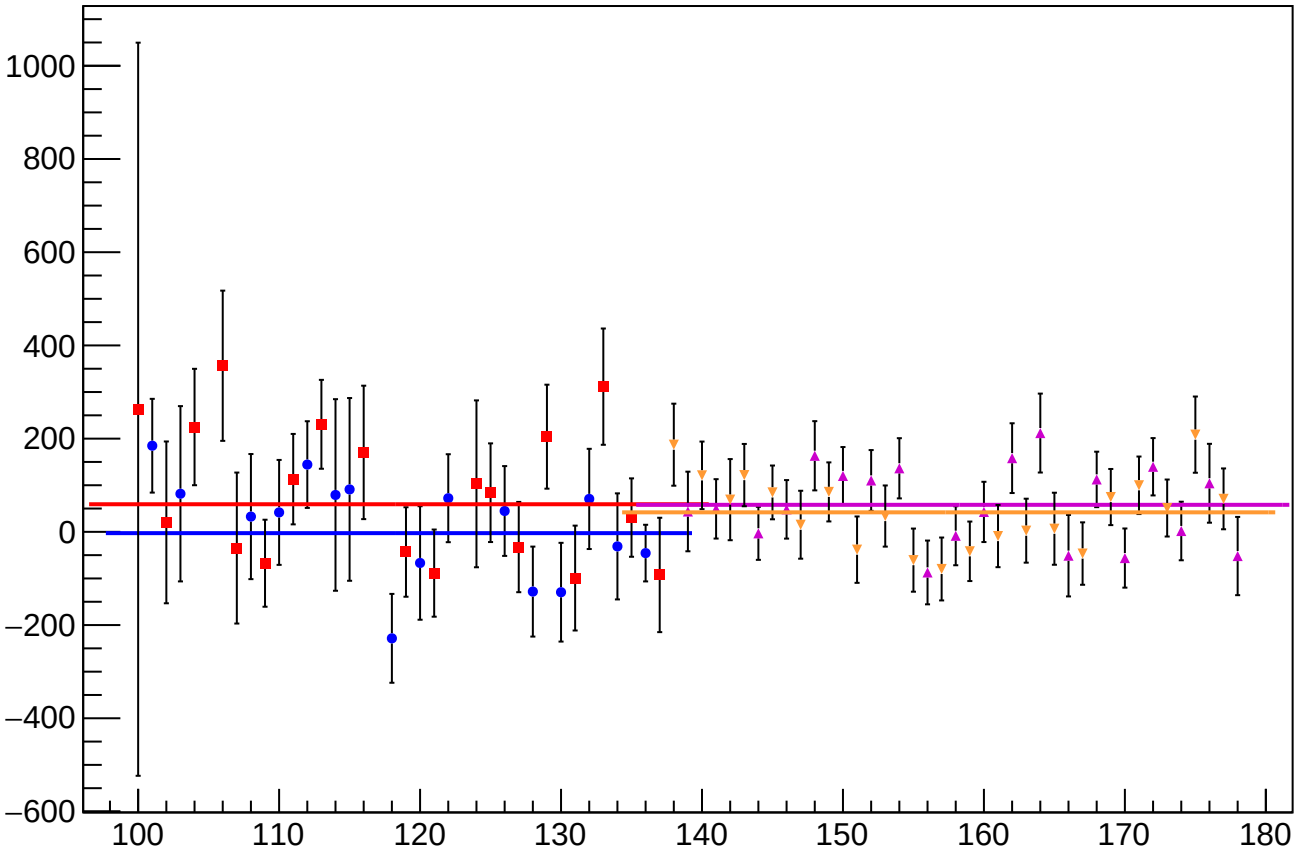
Left: 516.131+/-0.065 χ^2/NDF: 2326722.6/40

Right: 932.012+/-0.175 χ^2/NDF: 932665.3/34

In: 562.859+/-0.086 χ^2/NDF:3963031.2/35

Out: 569.465+/-0.086 χ^2/NDF:4234834.7/39

All: 566.160+/-0.061 χ^2/NDF: 8200811.4/75



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: 57.988+/-15.173 χ^2/NDF:27.3/19

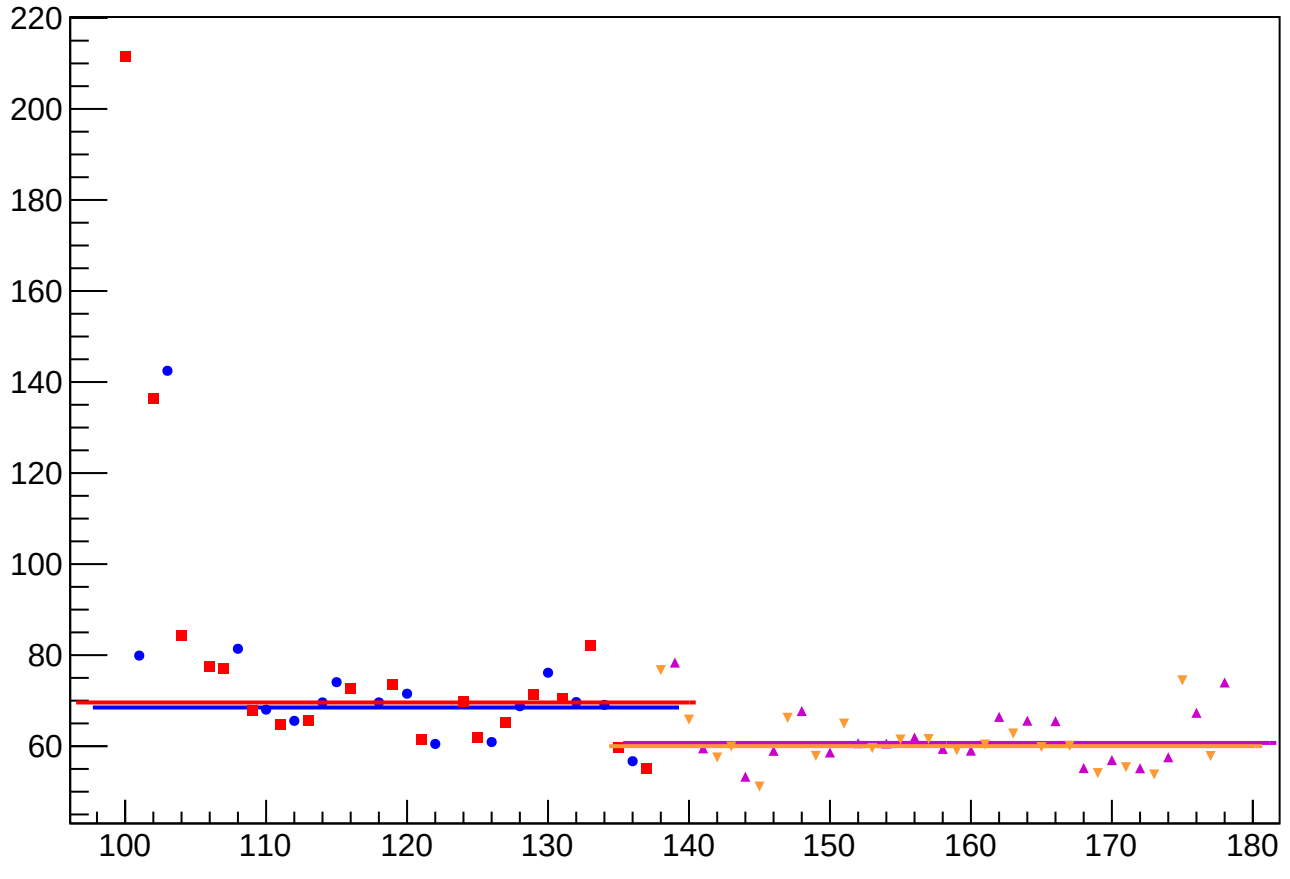
Left: 49.741+/-10.608 χ^2/NDF: 51.4/40

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 42.740+/-13.132 χ^2/NDF:49.0/35

Out: 46.029+/-12.932 χ^2/NDF:49.5/39

All: 44.410+/-9.214 χ^2/NDF: 98.6/75



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: 60.713+/-0.011 χ^2/NDF:276881.9/19

Left: 60.348+/-0.008 χ^2/NDF: 561592.6/40

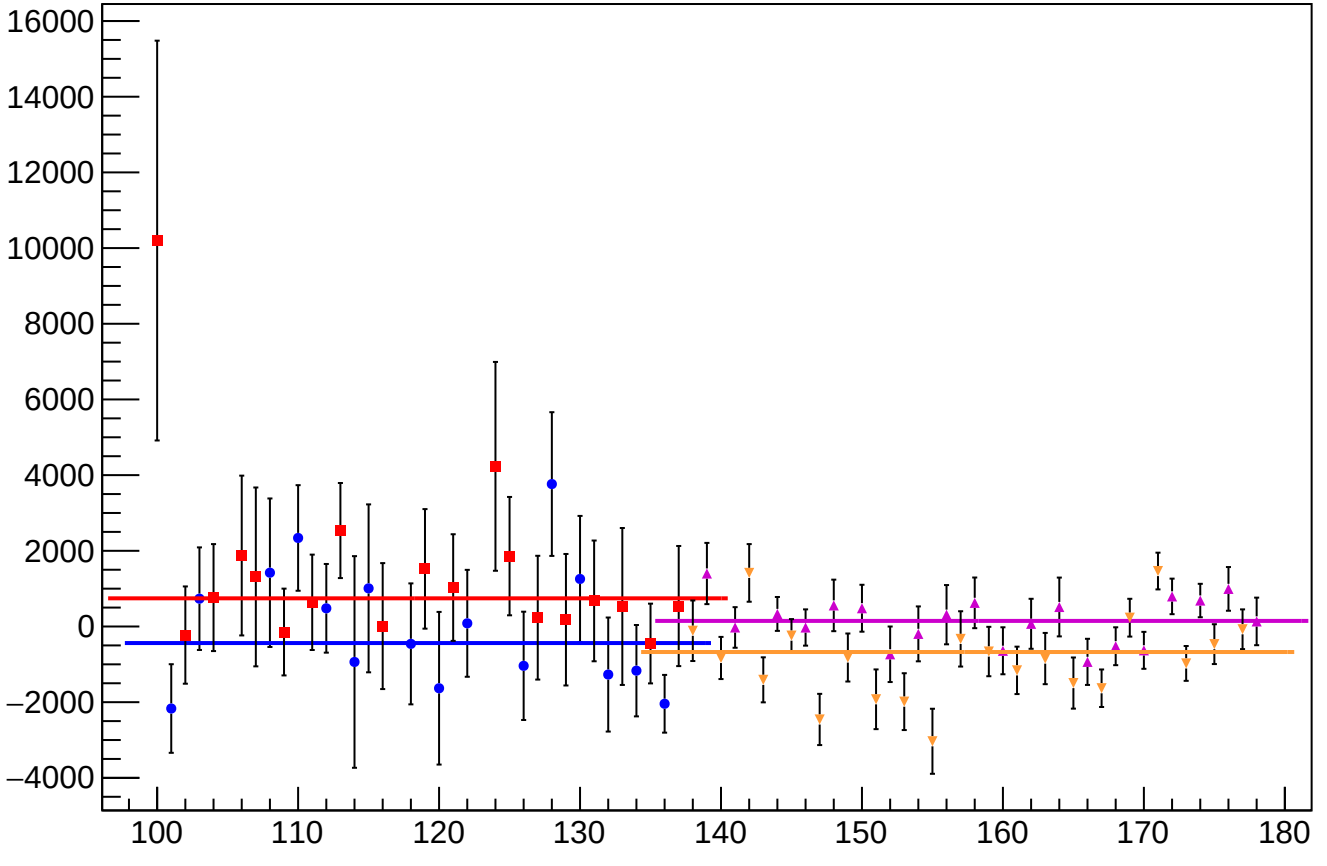
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 62.667+/-0.009 χ^2/NDF:880911.0/35

Out: 62.306+/-0.009 χ^2/NDF:1003465.1/39

All: 62.484+/-0.007 χ^2/NDF: 1885142.4/75

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: 147.740+/-129.819 χ^2/NDF:20.5/19

Left: -263.541+/-91.766 χ^2/NDF: 102.0/40

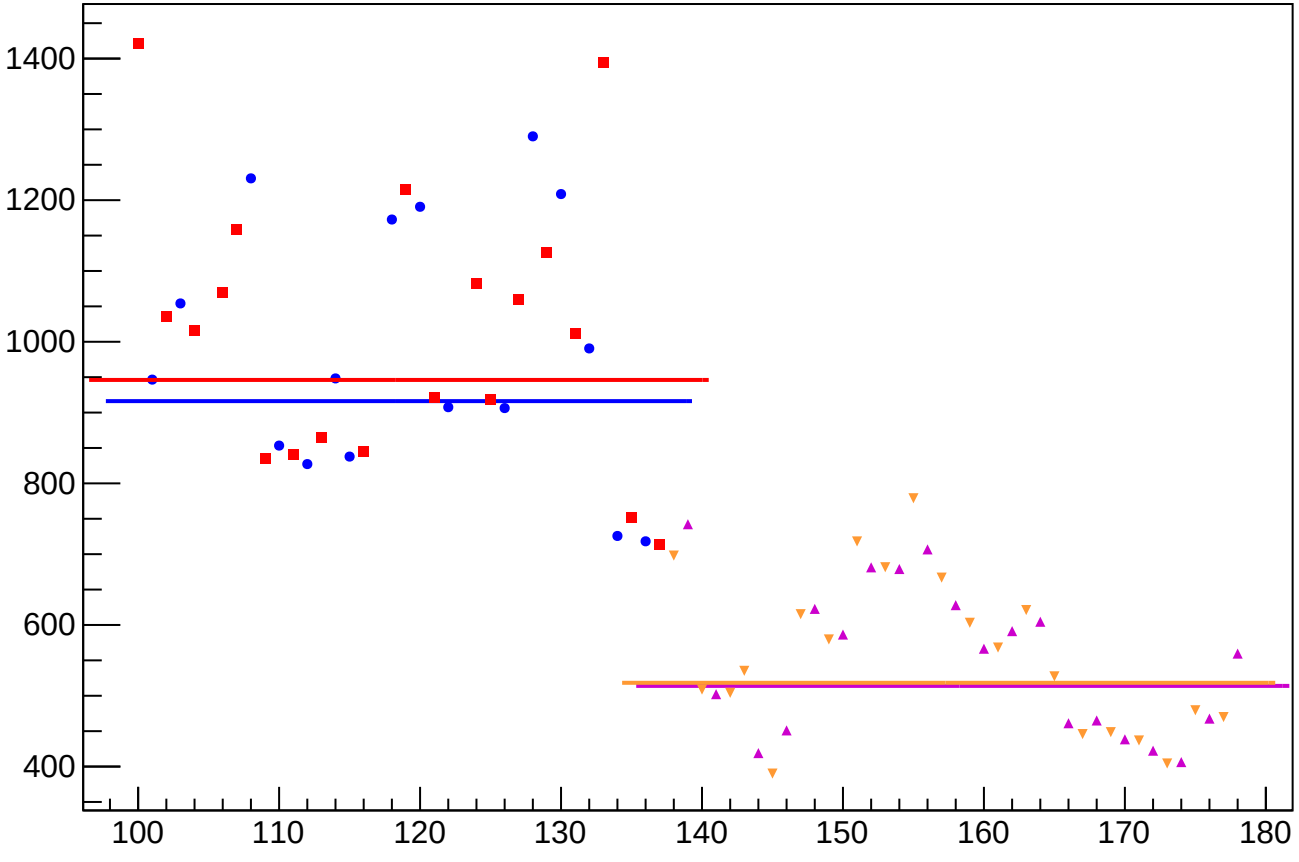
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 76.573+/-121.669 χ^2/NDF:43.6/35

Out: -505.877+/-121.791 χ^2/NDF:86.5/39

All: -214.360+/-86.076 χ^2/NDF: 141.5/75

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: 513.940+/-0.092 χ^2/NDF:1118770.5/19

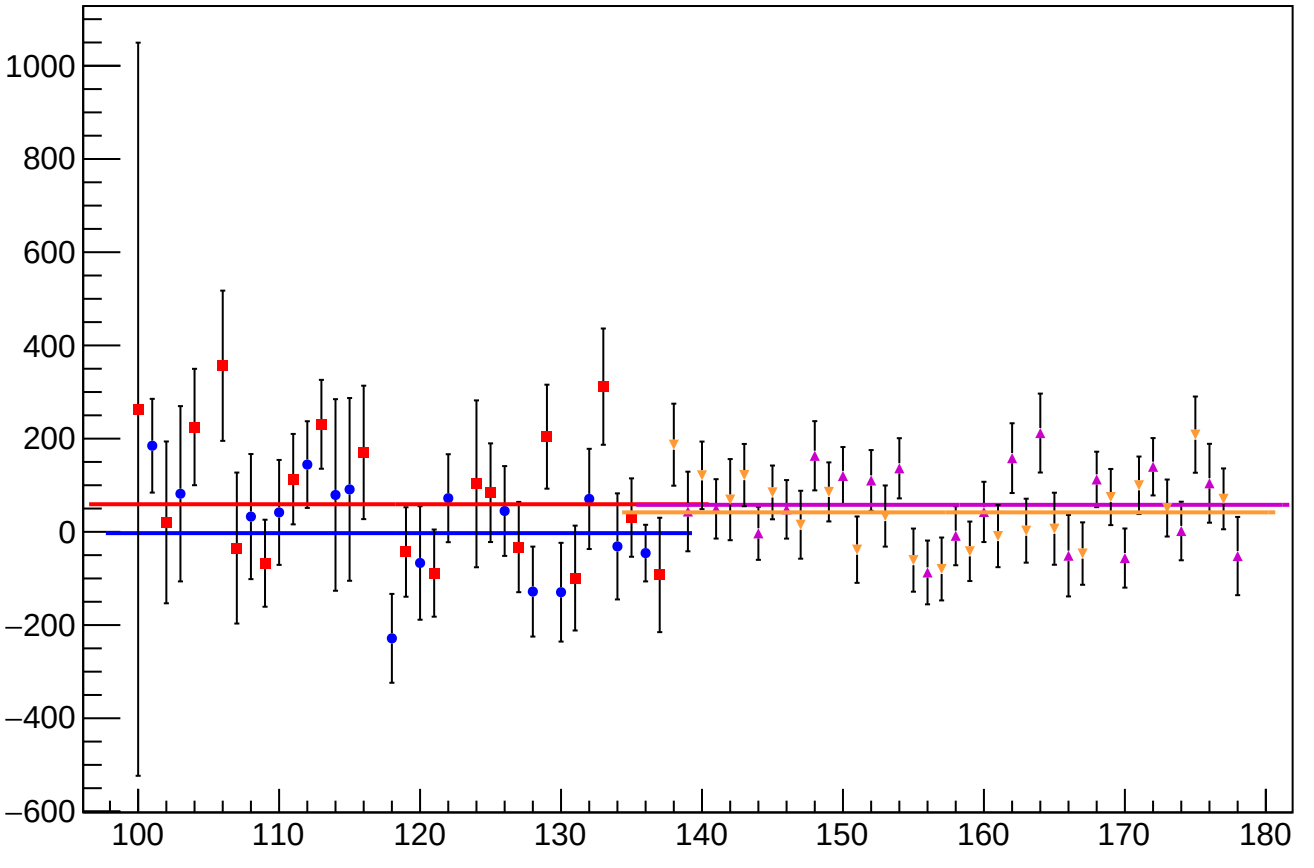
Left: 516.131+/-0.065 χ^2/NDF: 2326725.4/40

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 562.859+/-0.086 χ^2/NDF:3963074.1/35

Out: 569.100+/-0.086 χ^2/NDF:4193462.6/39

All: 565.976+/-0.061 χ^2/NDF: 8159164.5/75



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: 57.988+/-15.173 χ^2/NDF:27.3/19

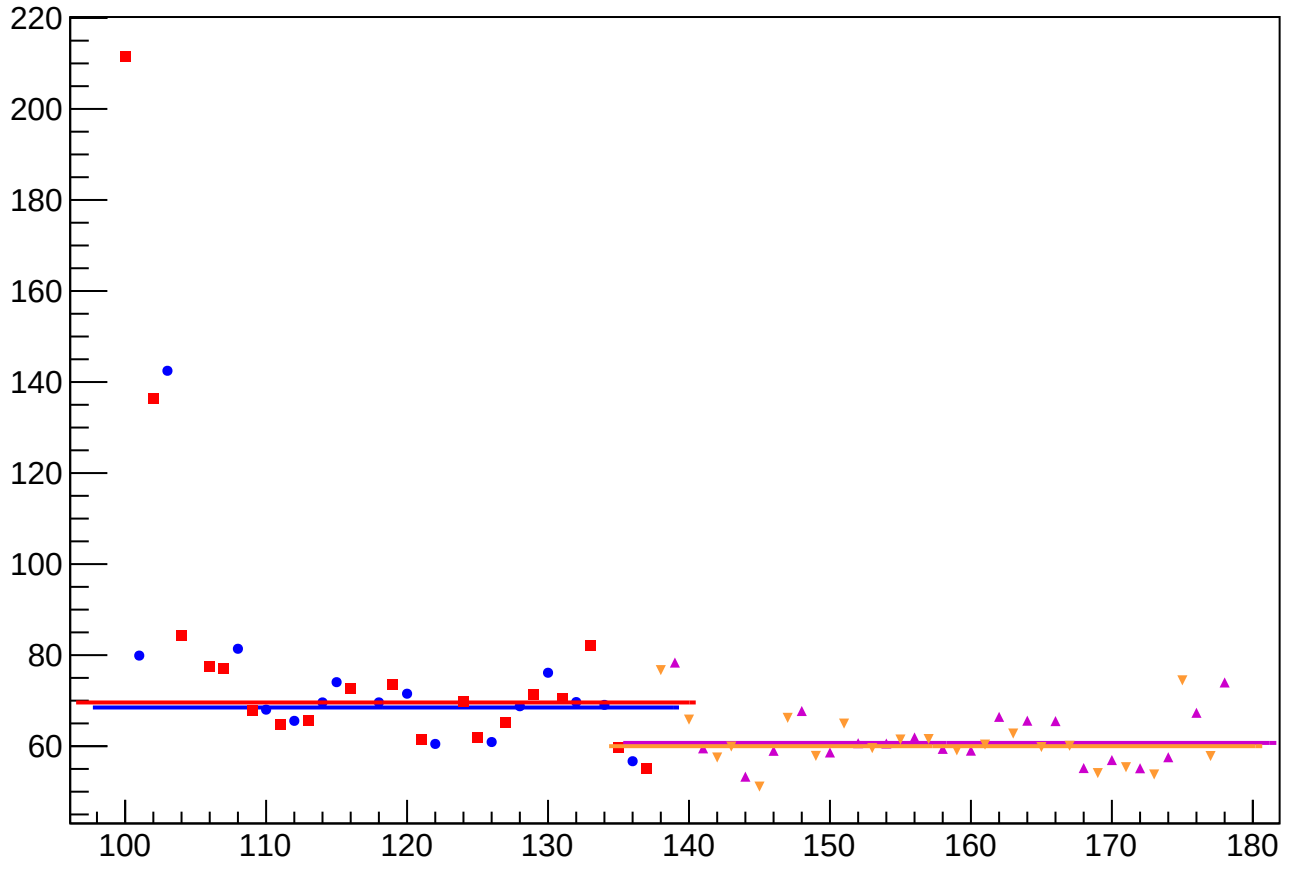
Left: 49.741+/-10.608 χ^2/NDF: 51.4/40

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 42.740+/-13.132 χ^2/NDF:49.0/35

Out: 46.029+/-12.932 χ^2/NDF:49.5/39

All: 44.410+/-9.214 χ^2/NDF: 98.6/75



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: 60.713+/-0.011 χ^2/NDF:276881.9/19

Left: 60.348+/-0.008 χ^2/NDF: 561592.6/40

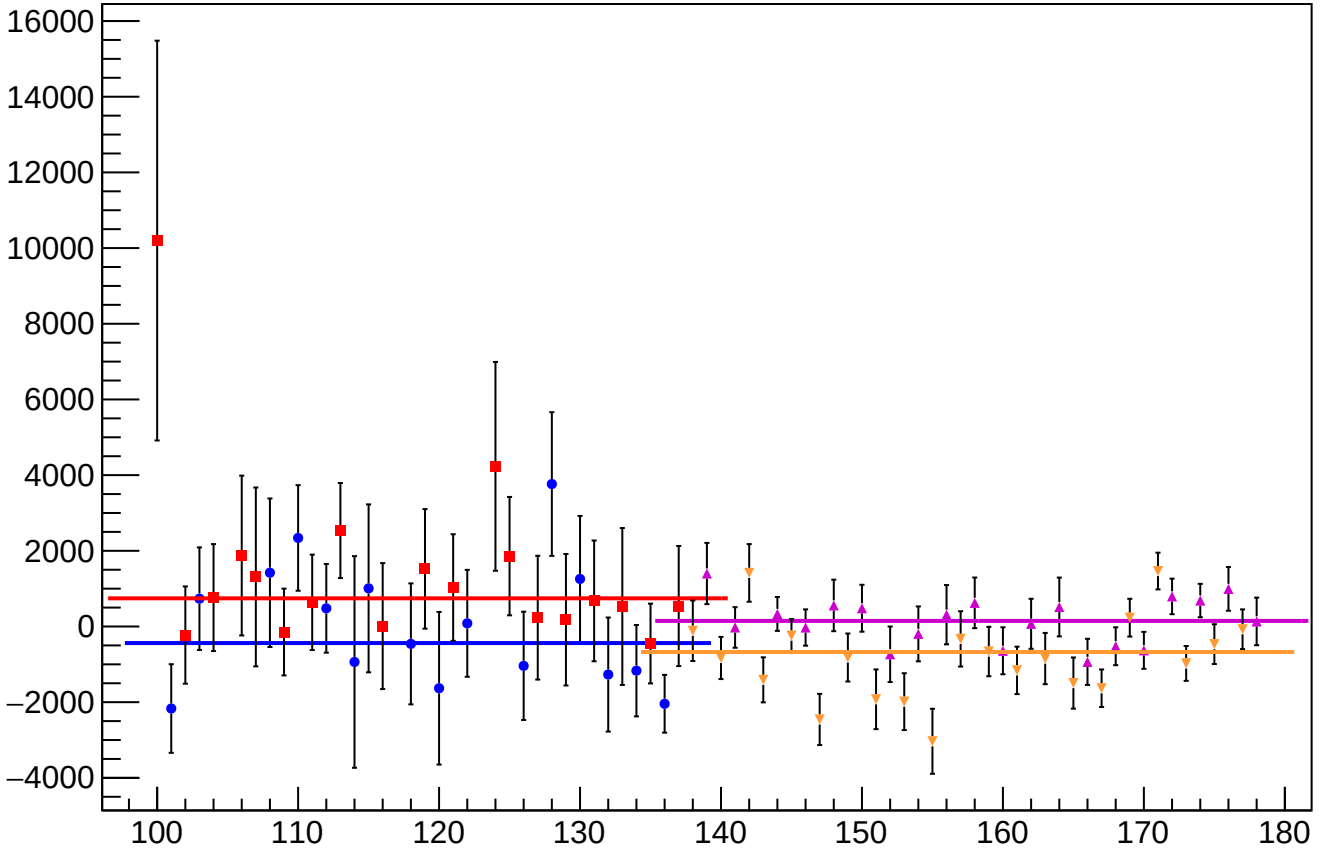
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 62.667+/-0.009 χ^2/NDF:880911.0/35

Out: 62.306+/-0.009 χ^2/NDF:1003465.1/39

All: 62.484+/-0.007 χ^2/NDF: 1885142.4/75

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: 147.740+/-129.819 χ^2/NDF:20.5/19

Left: -263.541+/-91.766 χ^2/NDF: 102.0/40

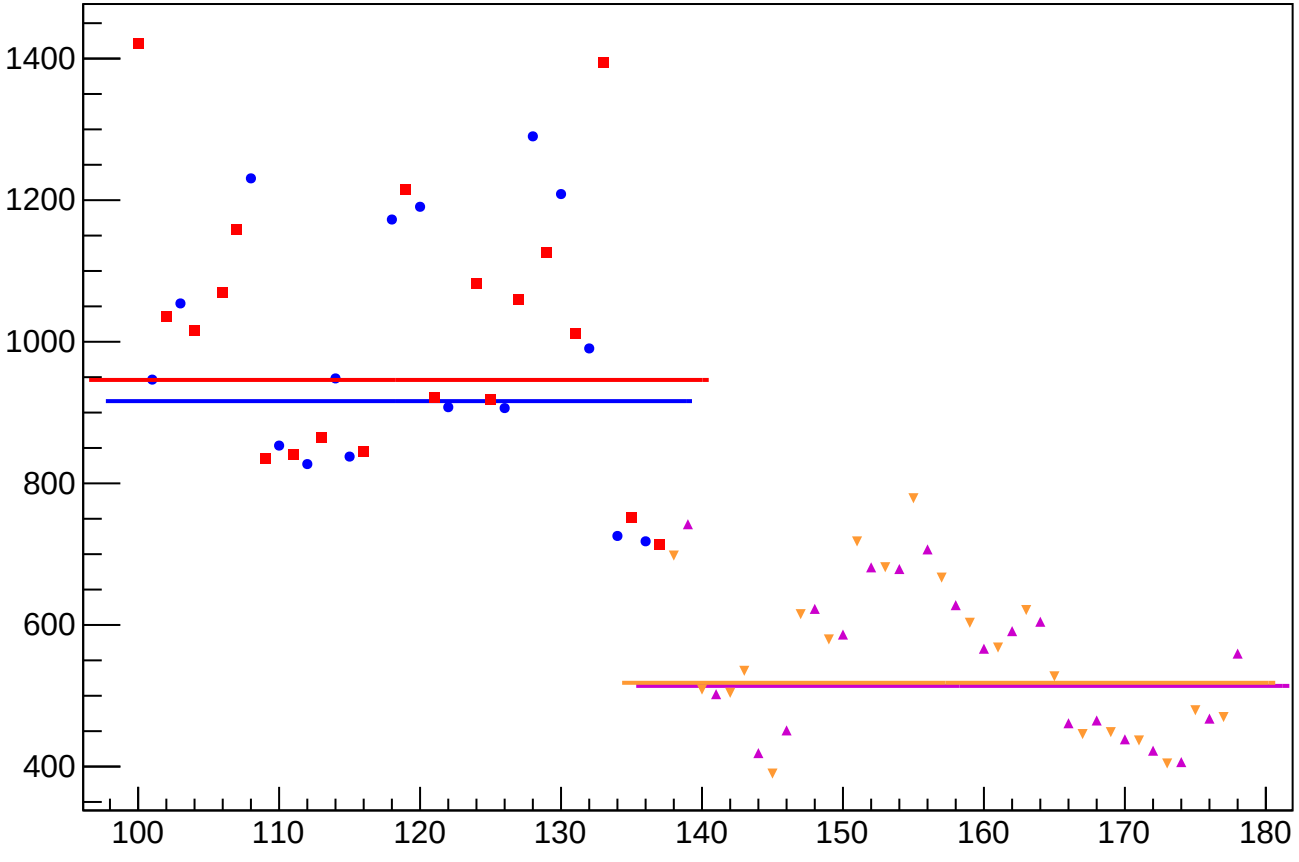
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 76.573+/-121.669 χ^2/NDF:43.6/35

Out: -505.877+/-121.791 χ^2/NDF:86.5/39

All: -214.360+/-86.076 χ^2/NDF: 141.5/75

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: 513.940+/-0.092 χ^2/NDF:1118770.5/19

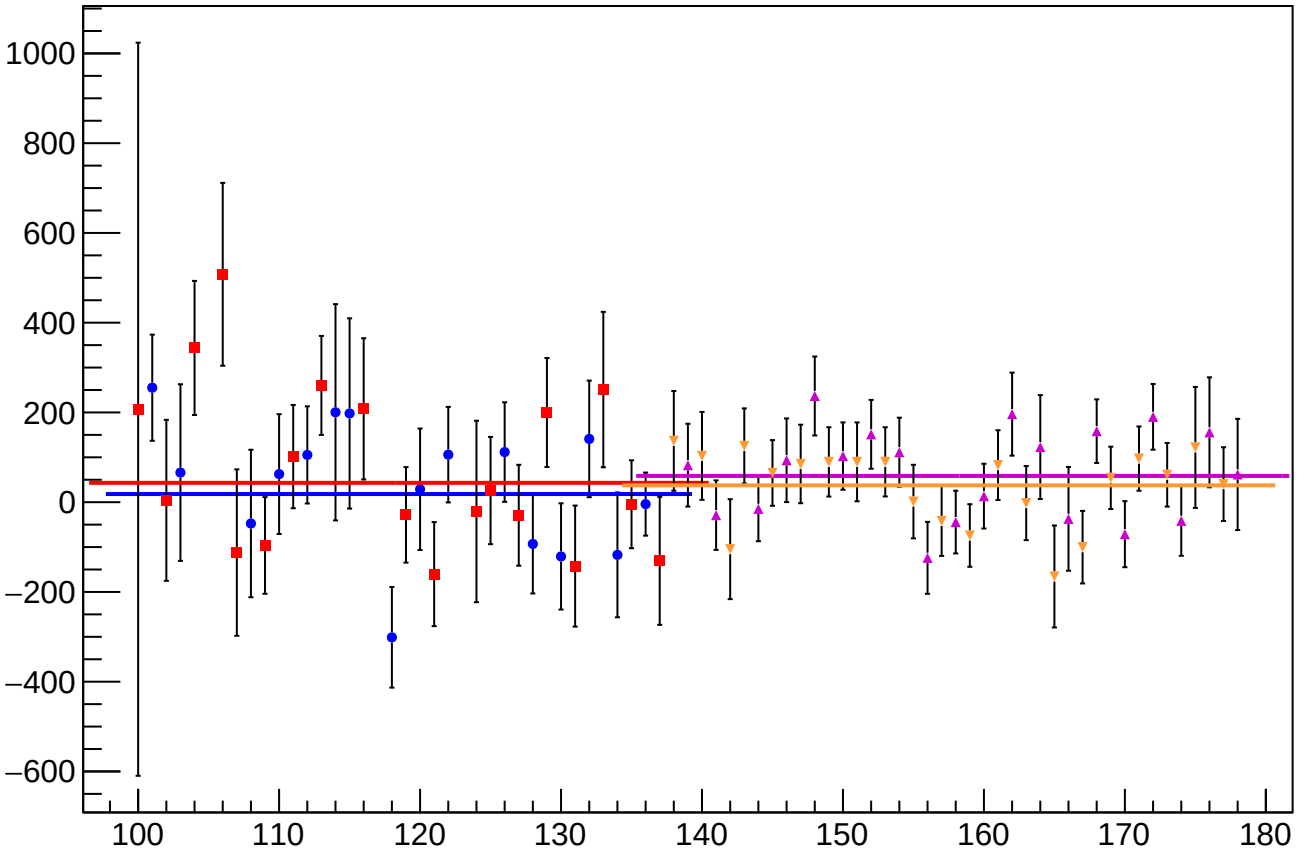
Left: 516.131+/-0.065 χ^2/NDF: 2326725.4/40

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 562.859+/-0.086 χ^2/NDF:3963074.1/35

Out: 569.100+/-0.086 χ^2/NDF:4193462.6/39

All: 565.976+/-0.061 χ^2/NDF: 8159164.5/75



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: 58.553+/-18.498 χ^2/NDF:30.5/19

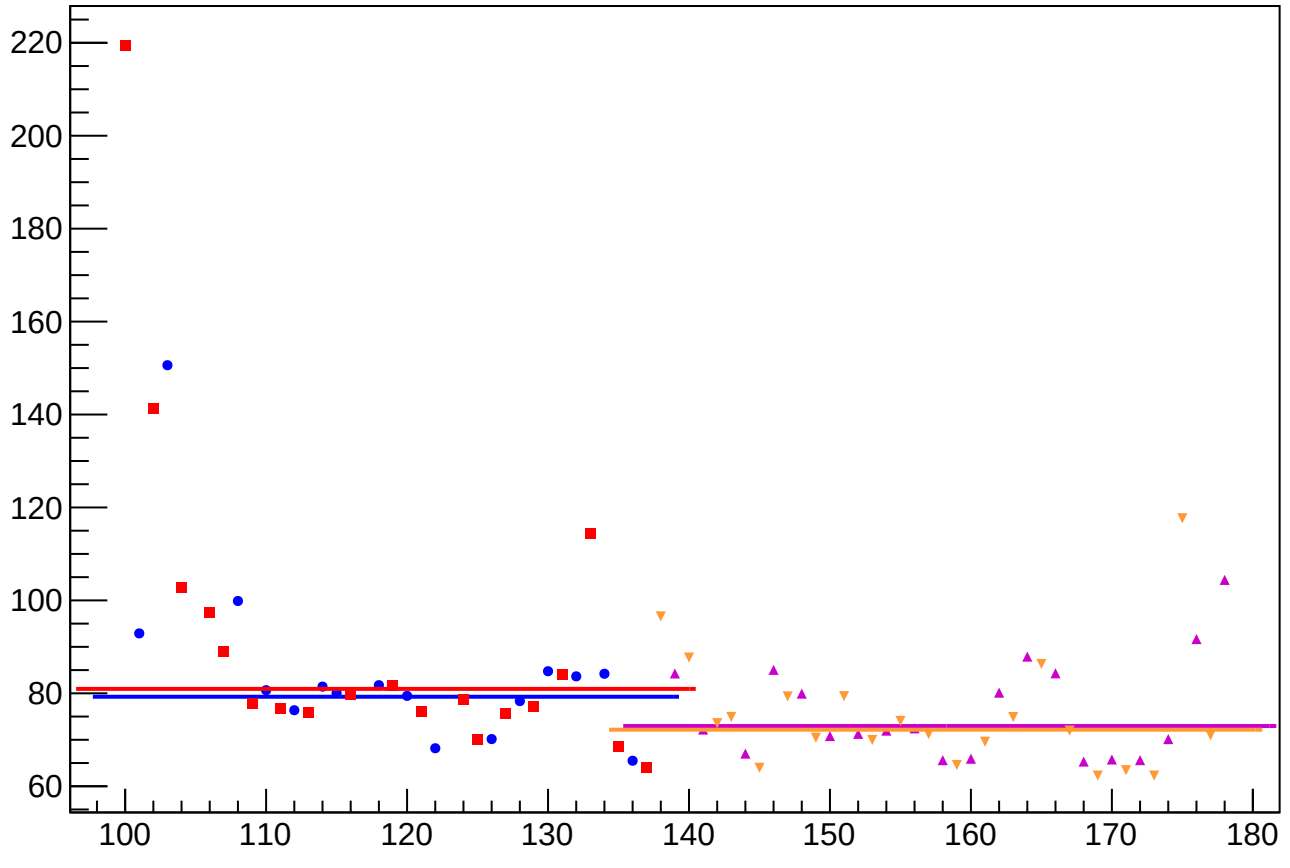
Left: 47.821+/-12.932 χ^2/NDF: 48.5/40

Right: 30.513+/-21.585 χ^2/NDF: 48.2/34

In: 47.615+/-15.795 χ^2/NDF:51.9/35

Out: 39.001+/-15.583 χ^2/NDF:45.2/39

All: 43.250+/-11.093 χ^2/NDF: 97.2/75



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: 72.962+/-0.013 χ^2/NDF:439381.4/19

Left: 72.557+/-0.009 χ^2/NDF: 1042458.0/40

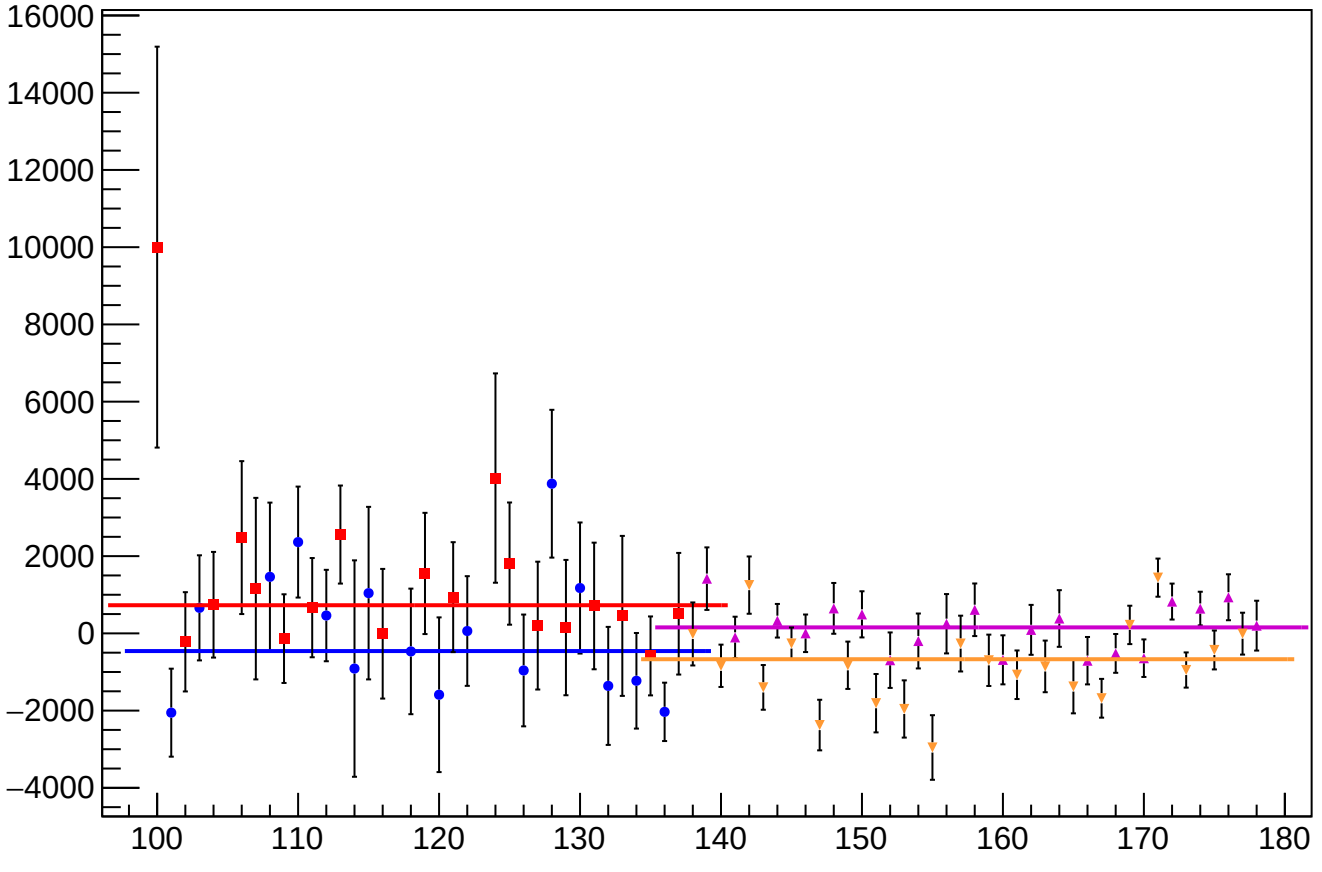
Right: 80.101+/-0.015 χ^2/NDF: 962217.4/34

In: 74.669+/-0.011 χ^2/NDF:947208.6/35

Out: 74.434+/-0.011 χ^2/NDF:1237006.6/39

All: 74.550+/-0.008 χ^2/NDF: 2184439.7/75

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: 154.928+/-129.002 χ^2/NDF:19.3/19

Left: -259.378+/-90.974 χ^2/NDF: 98.9/40

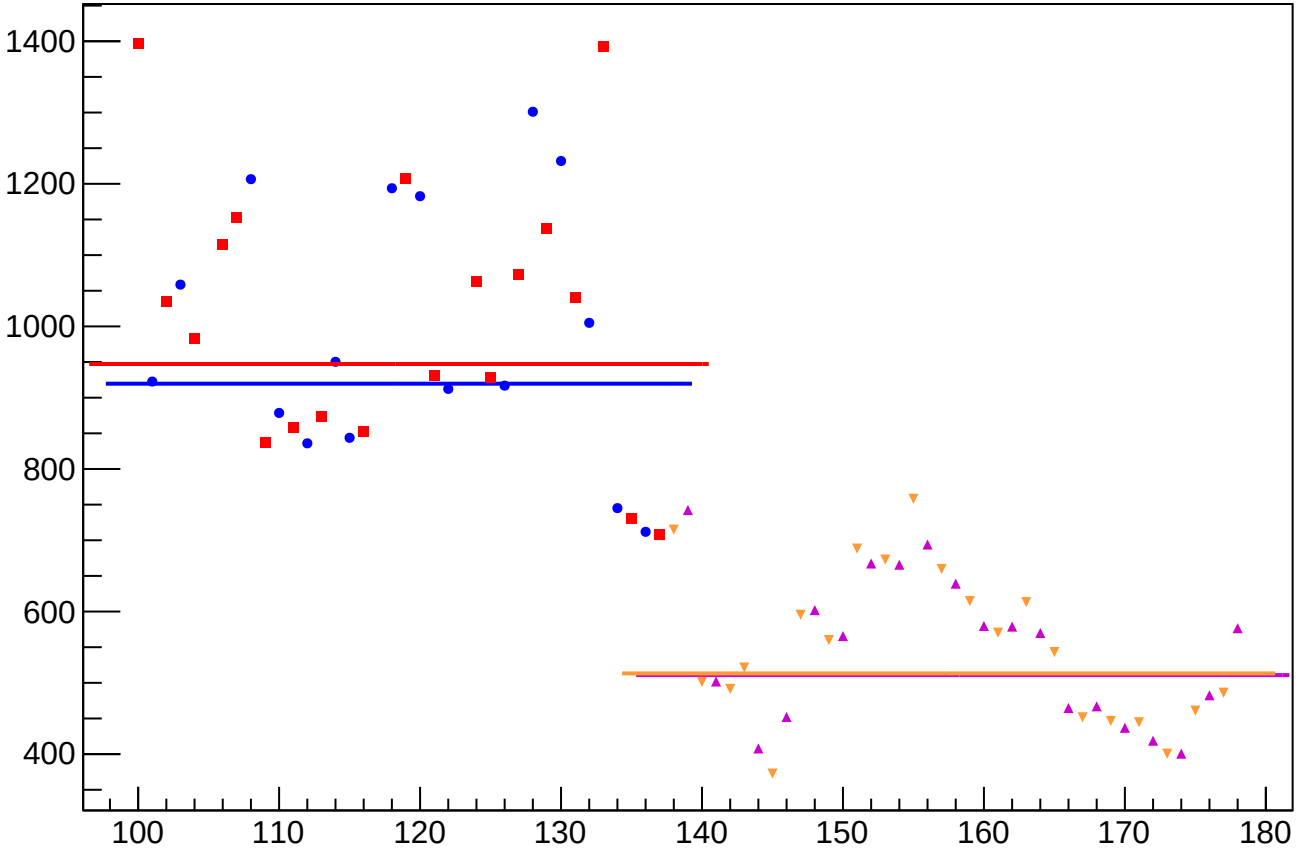
Right: 131.100+/-248.419 χ^2/NDF: 37.5/34

In: 81.636+/-121.045 χ^2/NDF:42.2/35

Out: -505.771+/-120.578 χ^2/NDF:84.5/39

All: -213.202+/-85.426 χ^2/NDF: 138.5/75

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: 510.869+/-0.091 χ^2/NDF:1097637.6/19

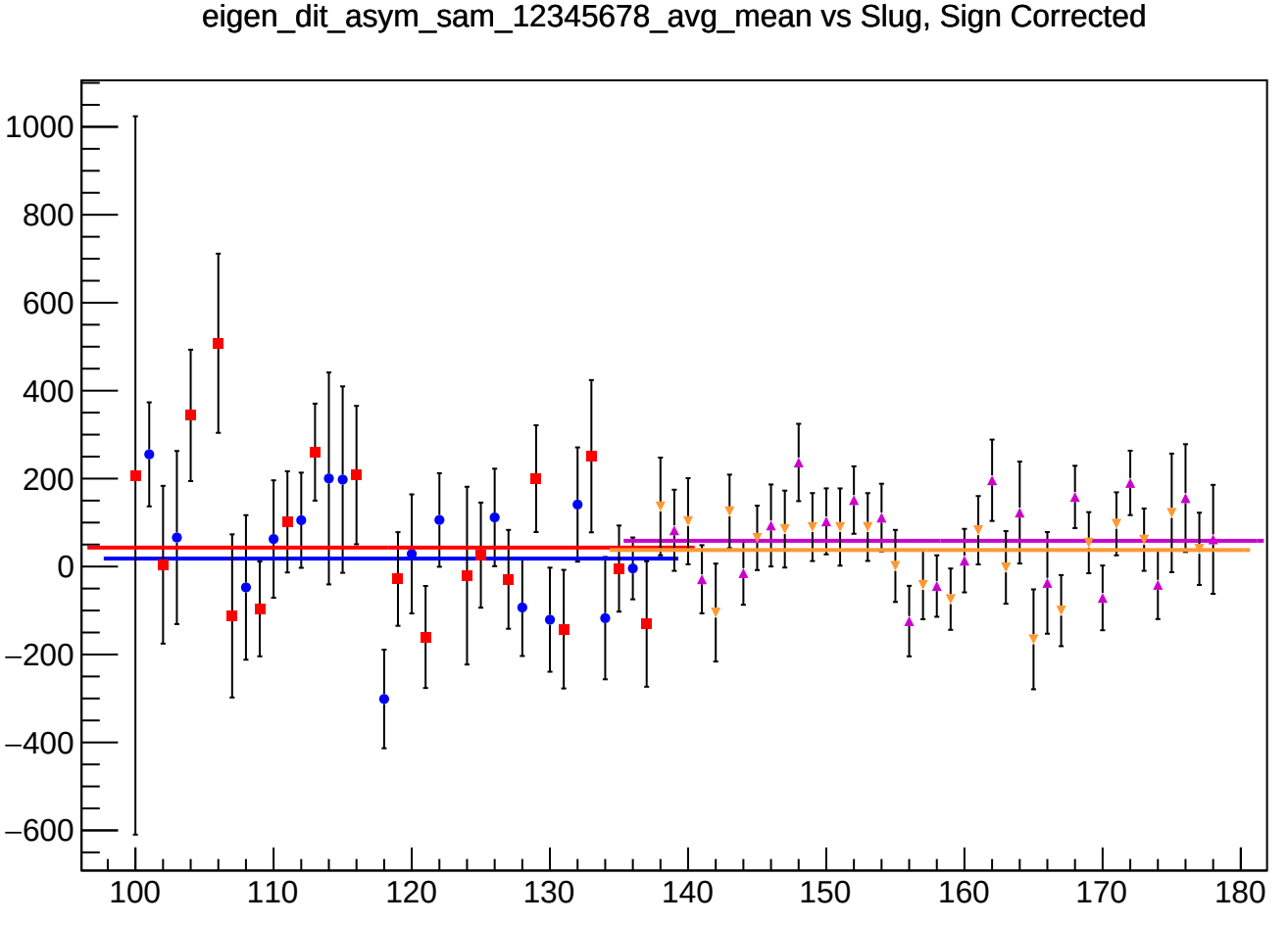
Left: 512.055+/-0.064 χ^2/NDF: 2314369.5/40

Right: 933.357+/-0.176 χ^2/NDF: 947194.3/34

In: 559.740+/-0.086 χ^2/NDF:4013933.0/35

Out: 563.993+/-0.085 χ^2/NDF:4318537.5/39

All: 561.875+/-0.060 χ^2/NDF: 8333709.6/75



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: 58.552+/-18.498 χ^2/NDF:30.5/19

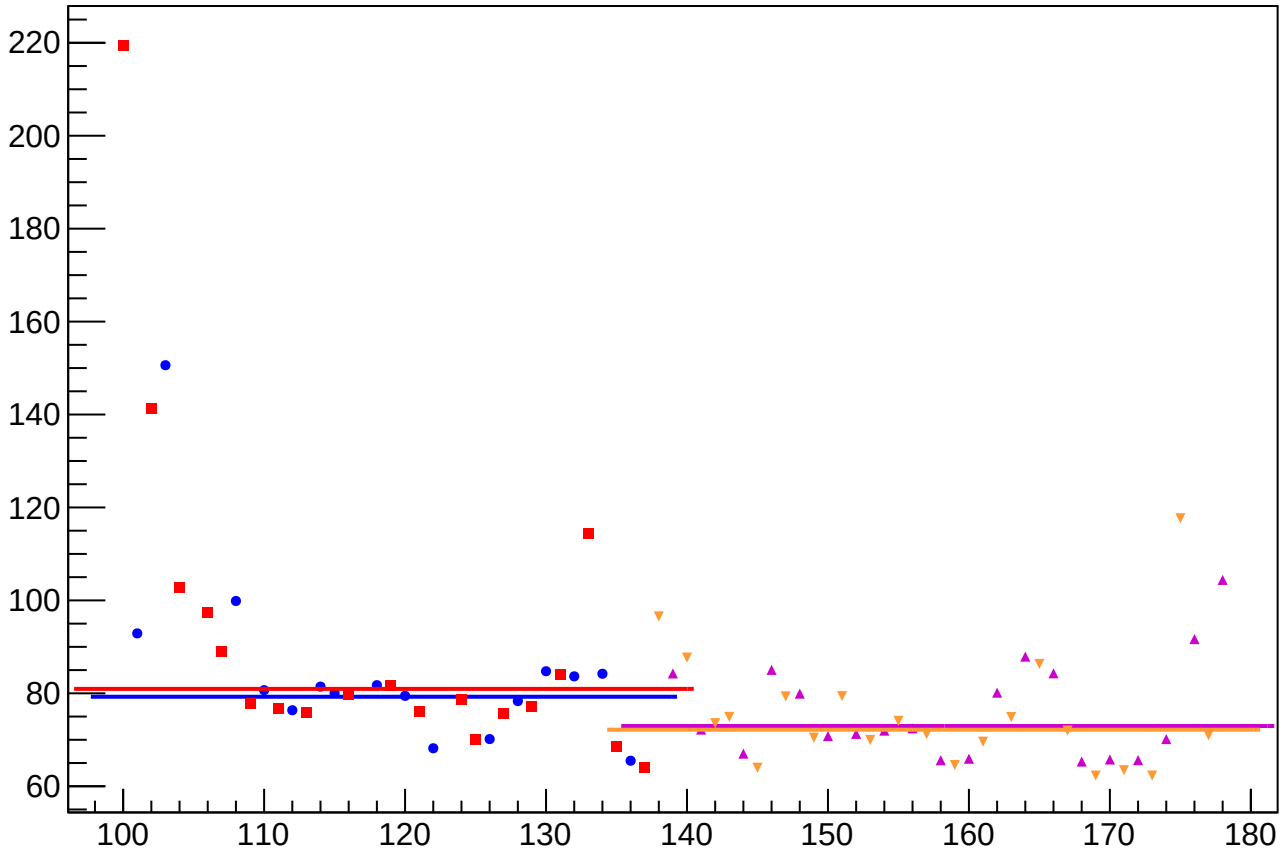
Left: 47.821+/-12.932 χ^2/NDF: 48.5/40

Right: 30.512+/-21.584 χ^2/NDF: 48.2/34

In: 47.614+/-15.795 χ^2/NDF:51.9/35

Out: 39.000+/-15.583 χ^2/NDF:45.1/39

All: 43.249+/-11.093 χ^2/NDF: 97.2/75



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: 72.962+/-0.013 χ^2/NDF:439377.2/19

Left: 72.557+/-0.009 χ^2/NDF: 1042452.5/40

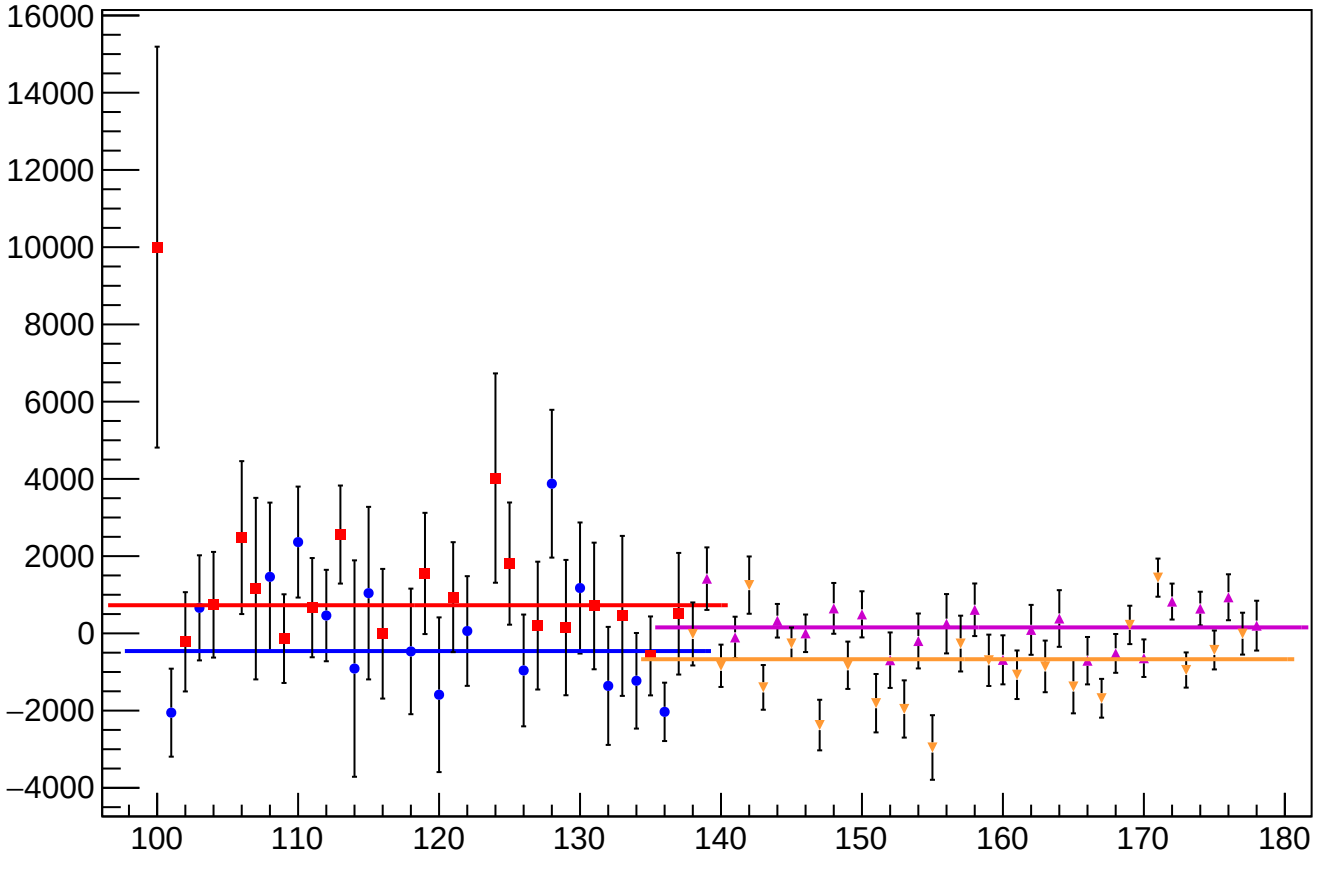
Right: 80.100+/-0.015 χ^2/NDF: 962223.7/34

In: 74.669+/-0.011 χ^2/NDF:947192.4/35

Out: 74.434+/-0.011 χ^2/NDF:1237002.8/39

All: 74.550+/-0.008 χ^2/NDF: 2184419.6/75

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: 154.927+/-129.002 χ^2/NDF:19.3/19

Left: -259.378+/-90.974 χ^2/NDF: 98.9/40

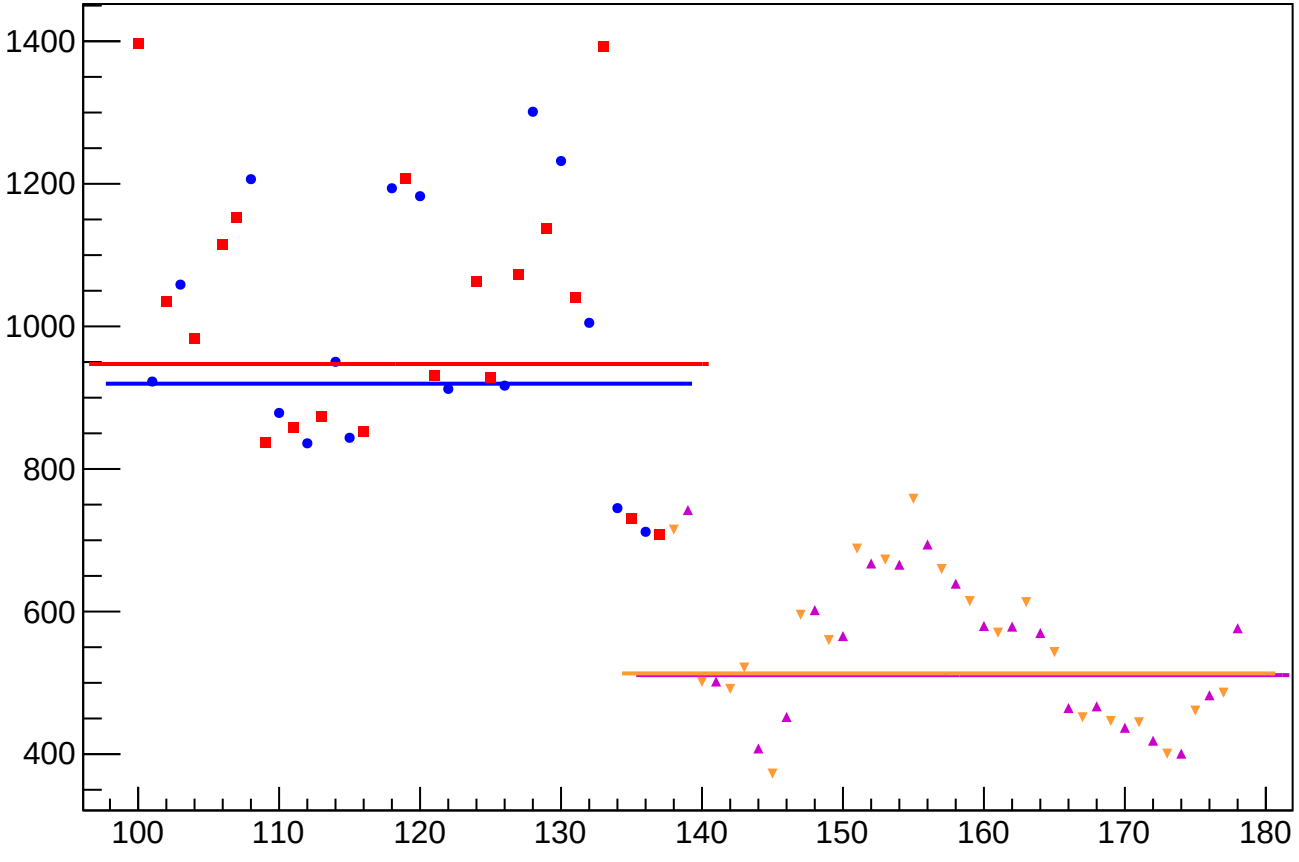
Right: 131.102+/-248.419 χ^2/NDF: 37.5/34

In: 81.635+/-121.045 χ^2/NDF:42.2/35

Out: -505.770+/-120.578 χ^2/NDF:84.5/39

All: -213.202+/-85.426 χ^2/NDF: 138.5/75

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: 510.869+/-0.091 χ^2/NDF:1097636.7/19

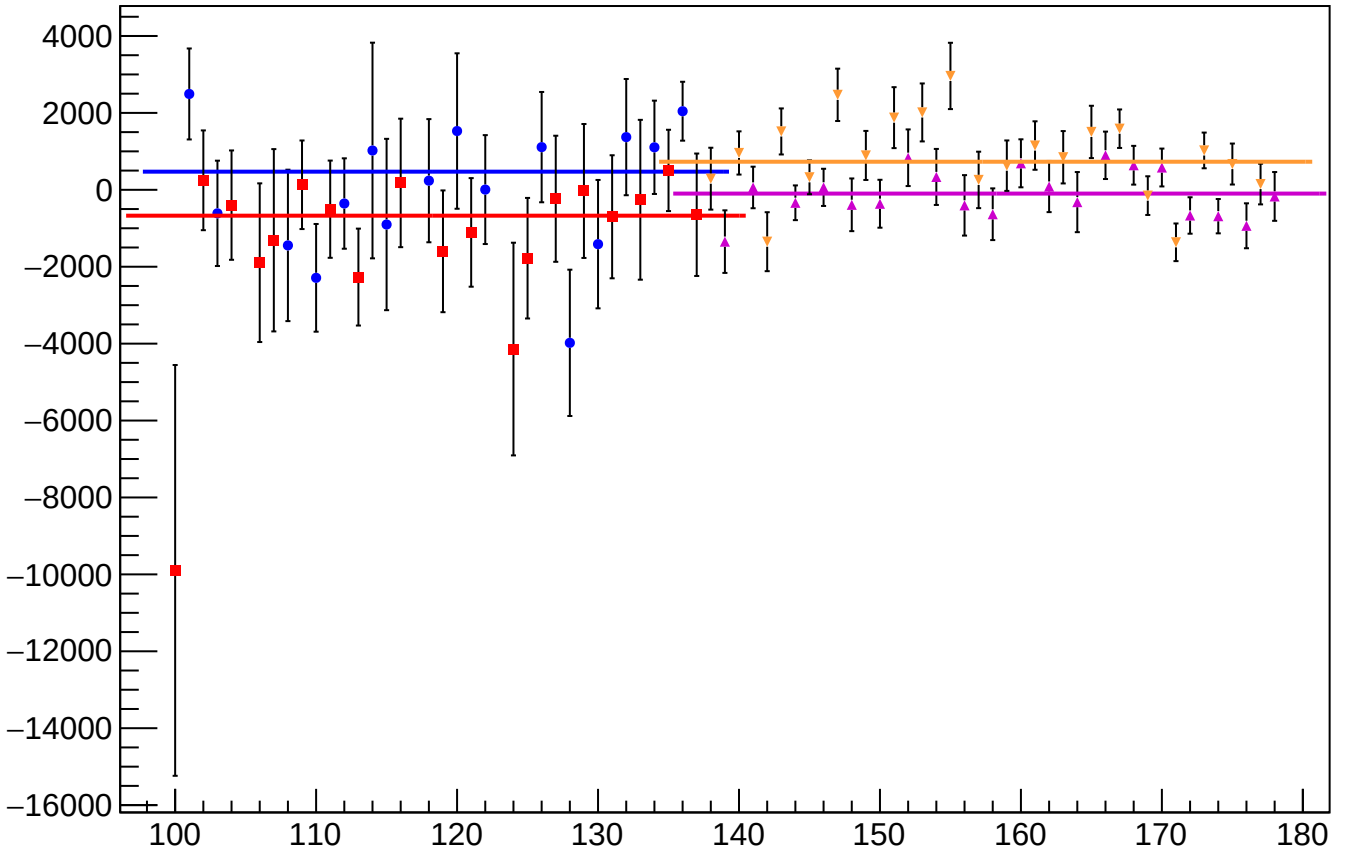
Left: 512.054+/-0.064 χ^2/NDF: 2314371.8/40

Right: 933.355+/-0.176 χ^2/NDF: 947195.7/34

In: 559.739+/-0.086 χ^2/NDF:4013928.9/35

Out: 563.992+/-0.085 χ^2/NDF:4318537.4/39

All: 561.874+/-0.060 χ^2/NDF: 8333705.4/75



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: -98.073+/-130.822 χ^2/NDF:19.6/19

Left: 316.547+/-92.459 χ^2/NDF: 96.5/40

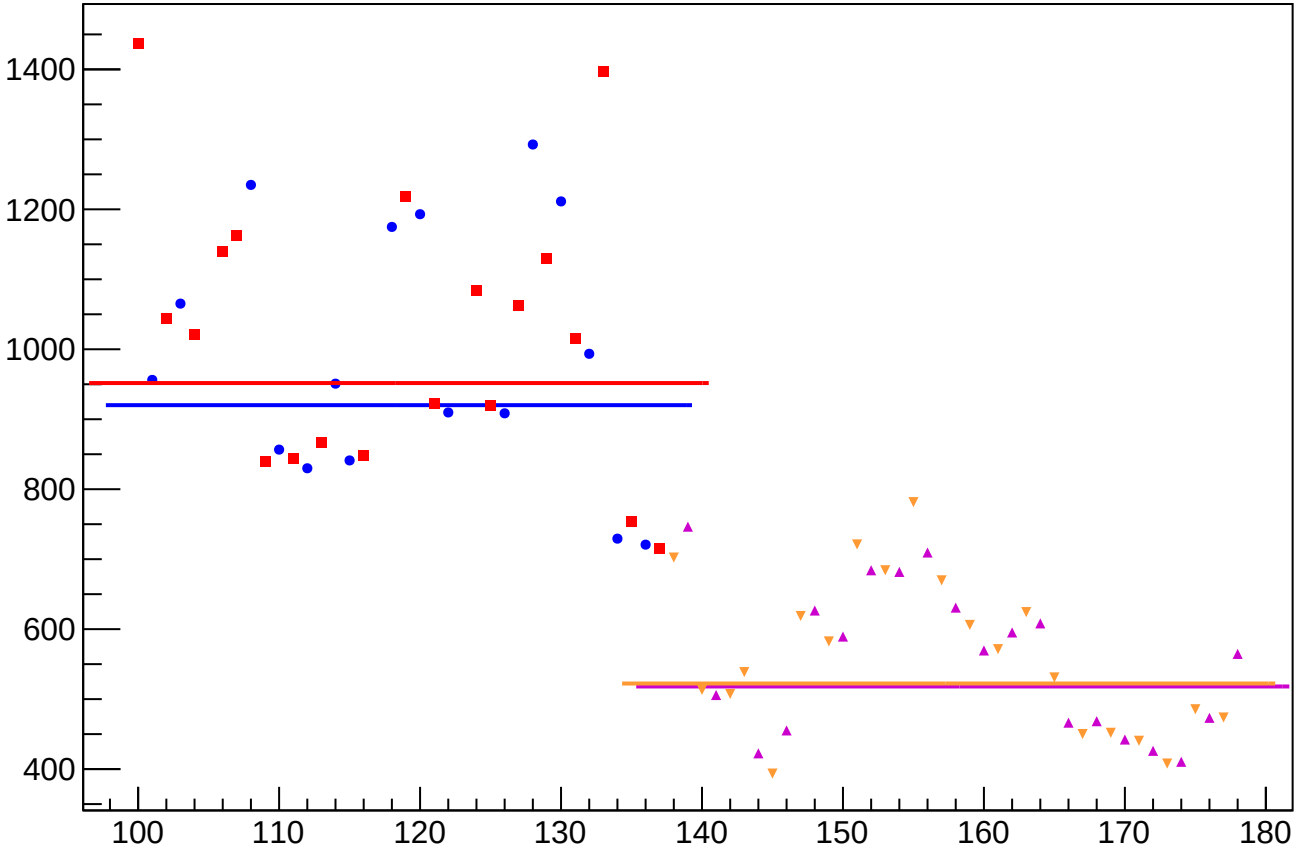
Right: -93.545+/-249.203 χ^2/NDF: 37.1/34

In: -28.322+/-122.557 χ^2/NDF:43.4/35

Out: 562.495+/-122.624 χ^2/NDF:80.9/39

All: 266.926+/-86.685 χ^2/NDF: 135.9/75

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: 518.081+/-0.093 χ^2/NDF:1098118.4/19

Left: 520.200+/-0.065 χ^2/NDF: 2285008.7/40

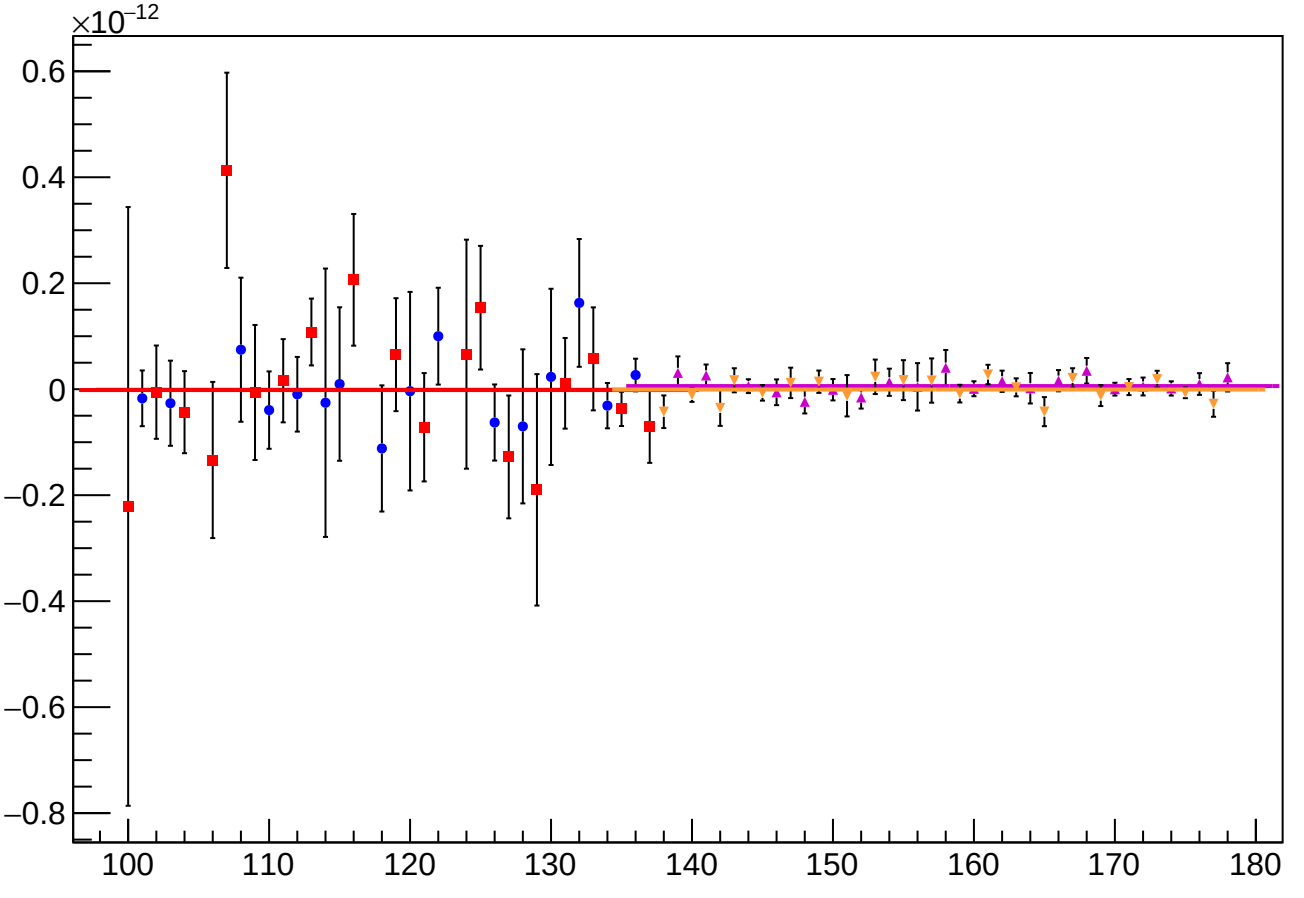
Right: 935.740+/-0.176 χ^2/NDF: 932834.0/34

In: 567.272+/-0.087 χ^2/NDF:3917960.4/35

Out: 573.692+/-0.087 χ^2/NDF:4185242.4/39

All: 570.480+/-0.061 χ^2/NDF: 8105945.1/75

asym_sam_12345678_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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:8.8/19

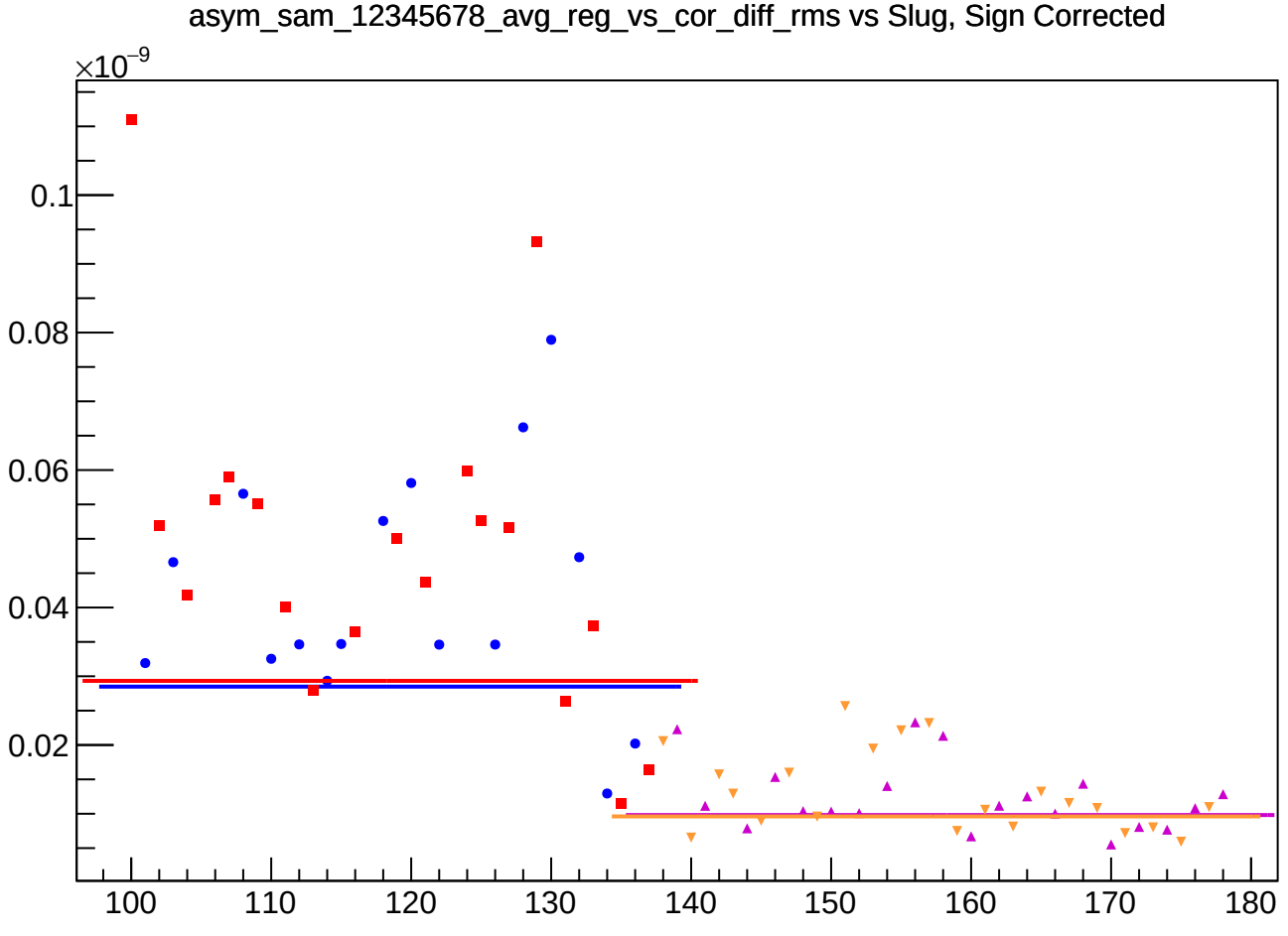
Left: 0.000+/-0.000 χ^2/NDF: 25.8/40

Right: -0.000+/-0.000 χ^2/NDF: 26.5/34

In: 0.000+/-0.000 χ^2/NDF:15.9/35

Out: -0.000+/-0.000 χ^2/NDF:35.3/39

All: 0.000+/-0.000 χ^2/NDF: 52.4/75



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:1504731.5/19

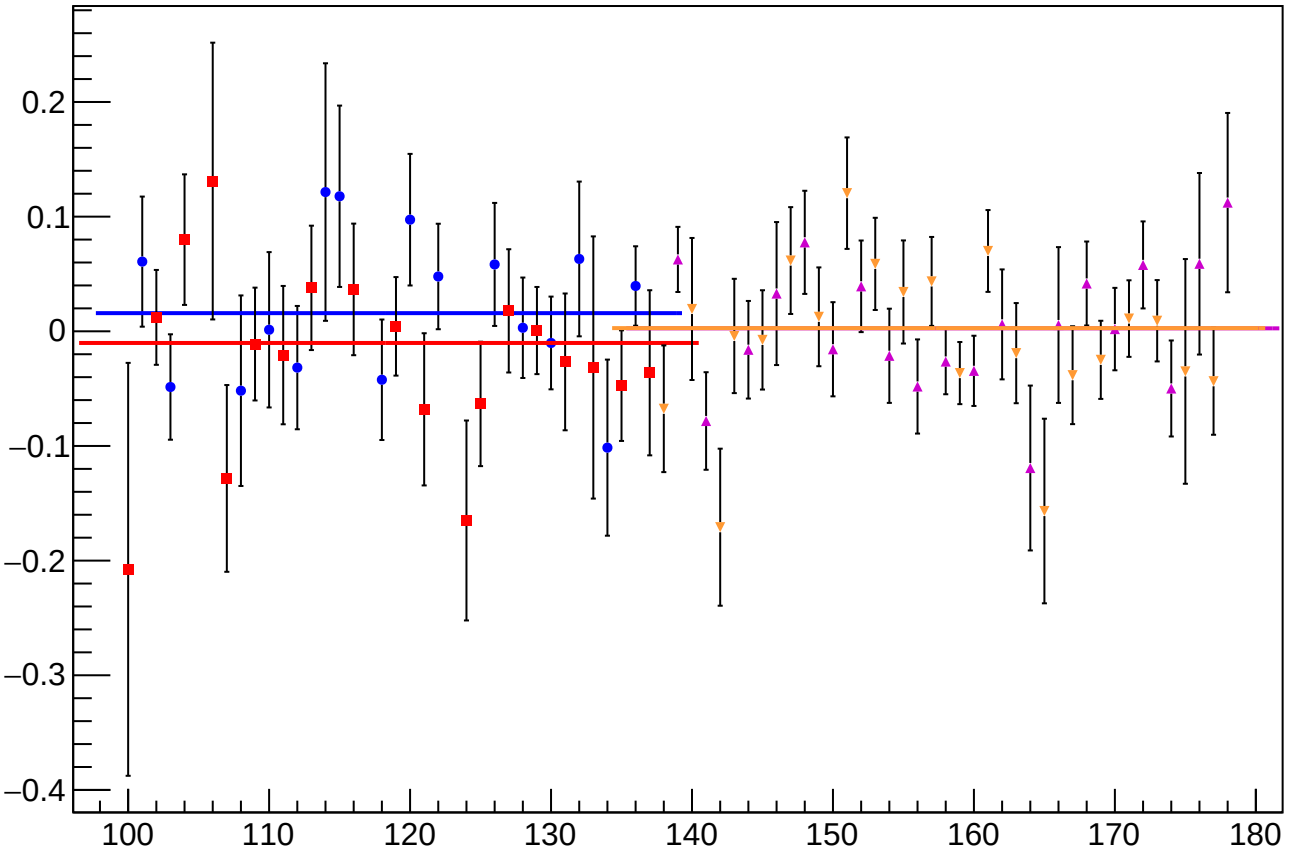
Left: 0.000+/-0.000 χ^2/NDF: 3491157.7/40

Right: 0.000+/-0.000 χ^2/NDF: 2800314.7/34

In: 0.000+/-0.000 χ^2/NDF:4757472.0/35

Out: 0.000+/-0.000 χ^2/NDF:5633251.0/39

All: 0.000+/-0.000 χ^2/NDF: 10398532.0/75



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: 0.003+/-0.009 χ^2/NDF:26.9/19

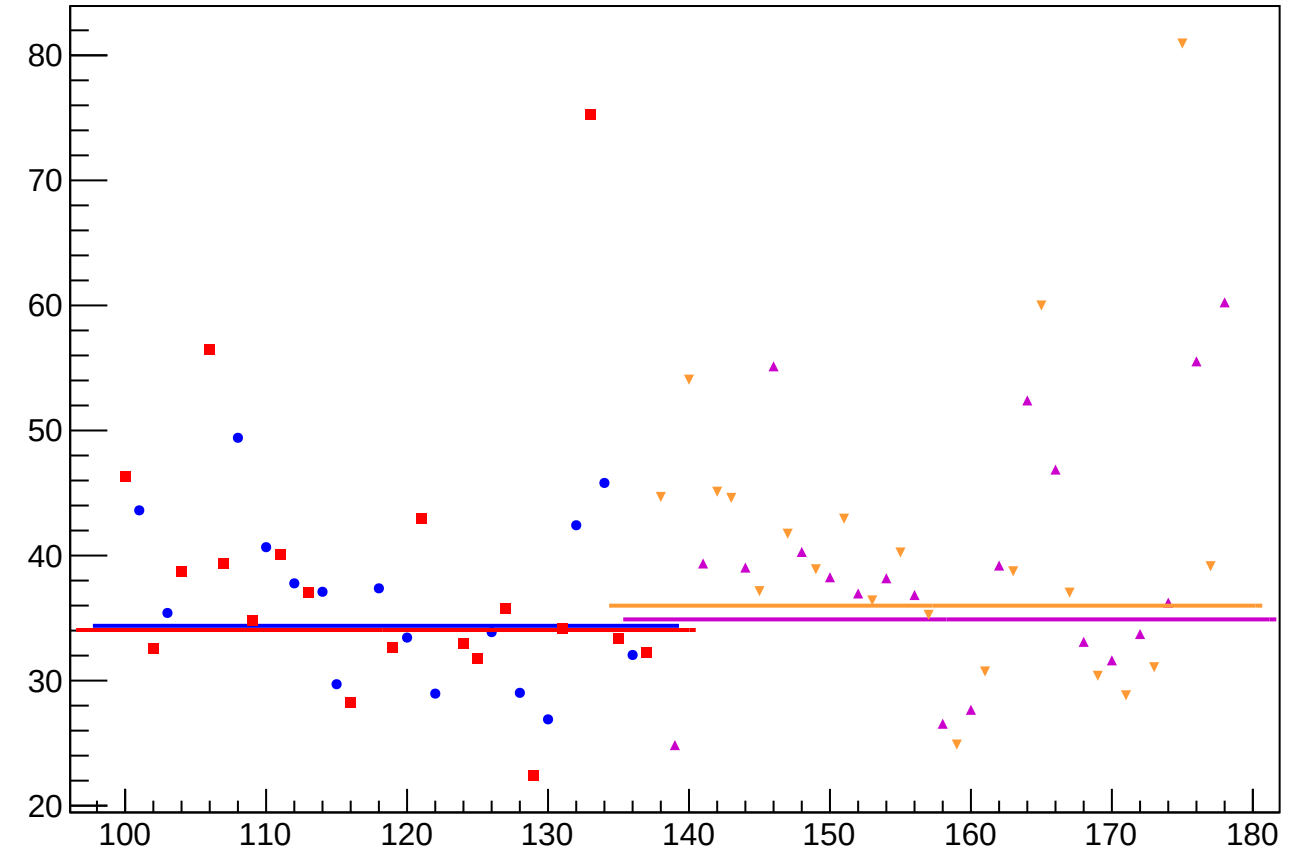
Left: 0.003+/-0.007 χ^2/NDF: 58.8/40

Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.007+/-0.008 χ^2/NDF:42.3/35

Out: -0.002+/-0.008 χ^2/NDF:47.7/39

All: 0.003+/-0.005 χ^2/NDF: 90.6/75



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: 34.895+/-0.007 χ^2/NDF:1418054.4/19

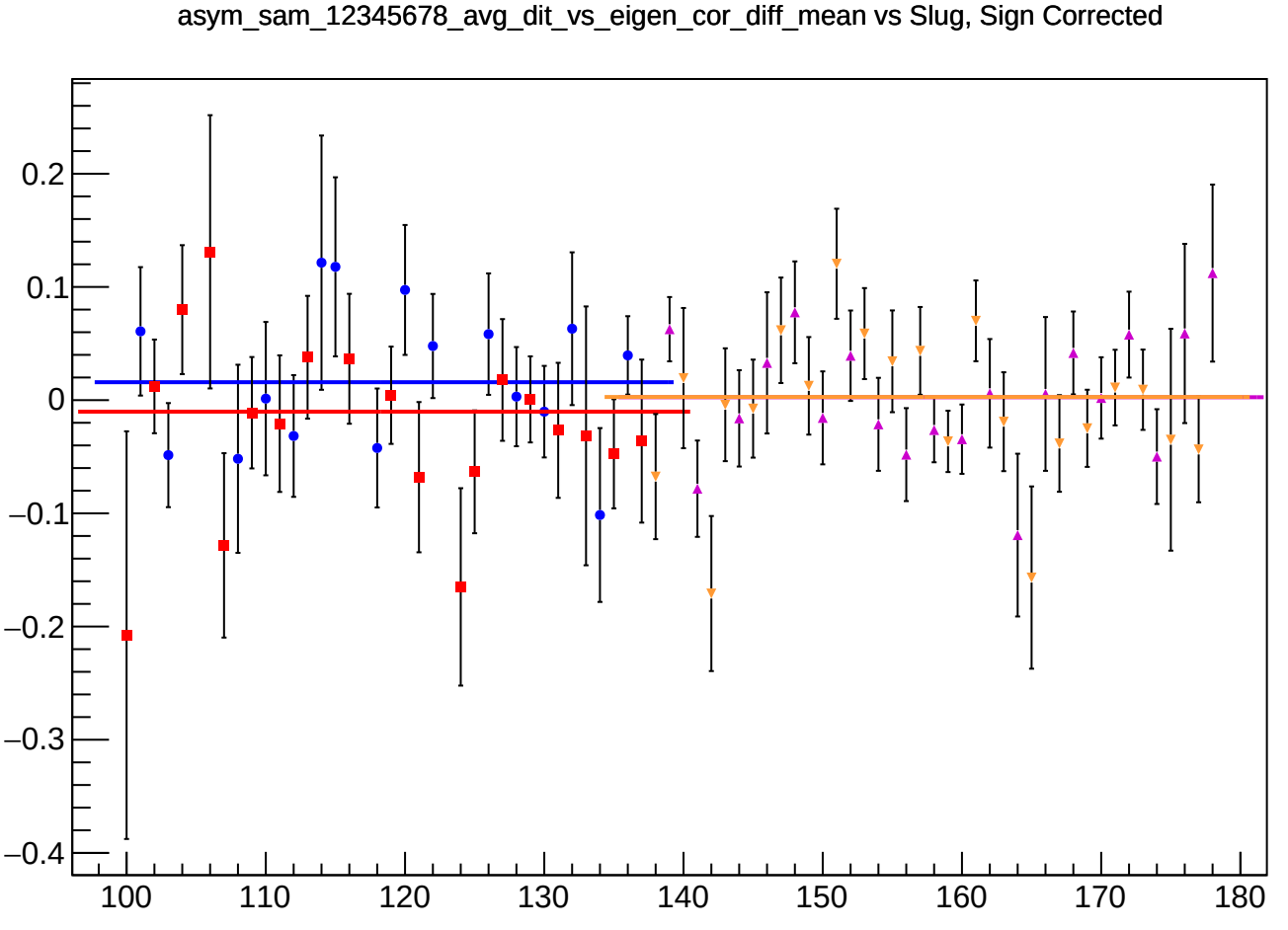
Left: 35.437+/-0.005 χ^2/NDF: 3029124.8/40

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.730+/-0.005 χ^2/NDF:1787926.5/35

Out: 35.343+/-0.005 χ^2/NDF:2268699.6/39

All: 35.035+/-0.004 χ^2/NDF: 4063121.8/75



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: 0.003+/-0.009 χ^2/NDF:26.9/19

Left: 0.003+/-0.007 χ^2/NDF: 58.8/40

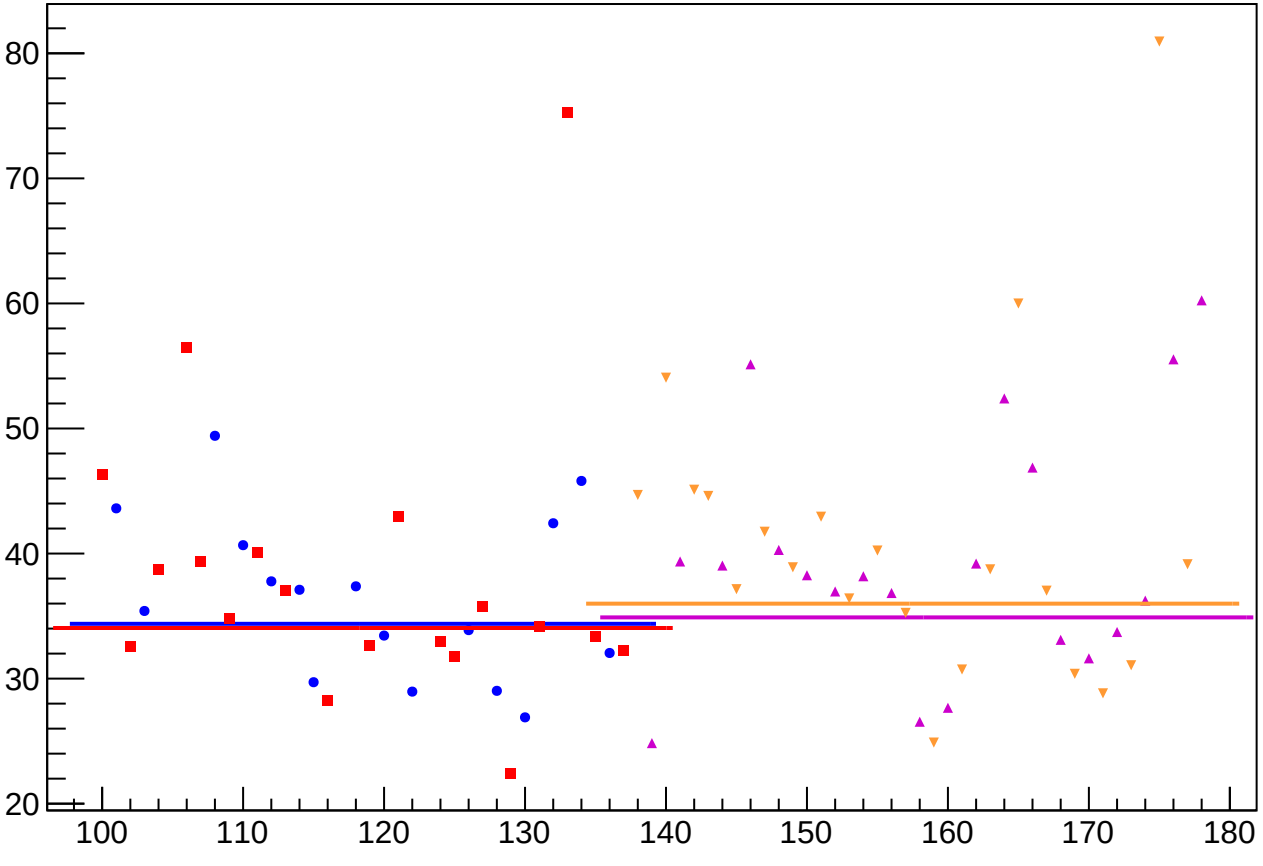
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.007+/-0.008 χ^2/NDF:42.3/35

Out: -0.002+/-0.008 χ^2/NDF:47.7/39

All: 0.003+/-0.005 χ^2/NDF: 90.6/75

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 35.994+/-0.007 χ^2/NDF:1597078.0/20

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.895+/-0.007 χ^2/NDF:1418054.4/19

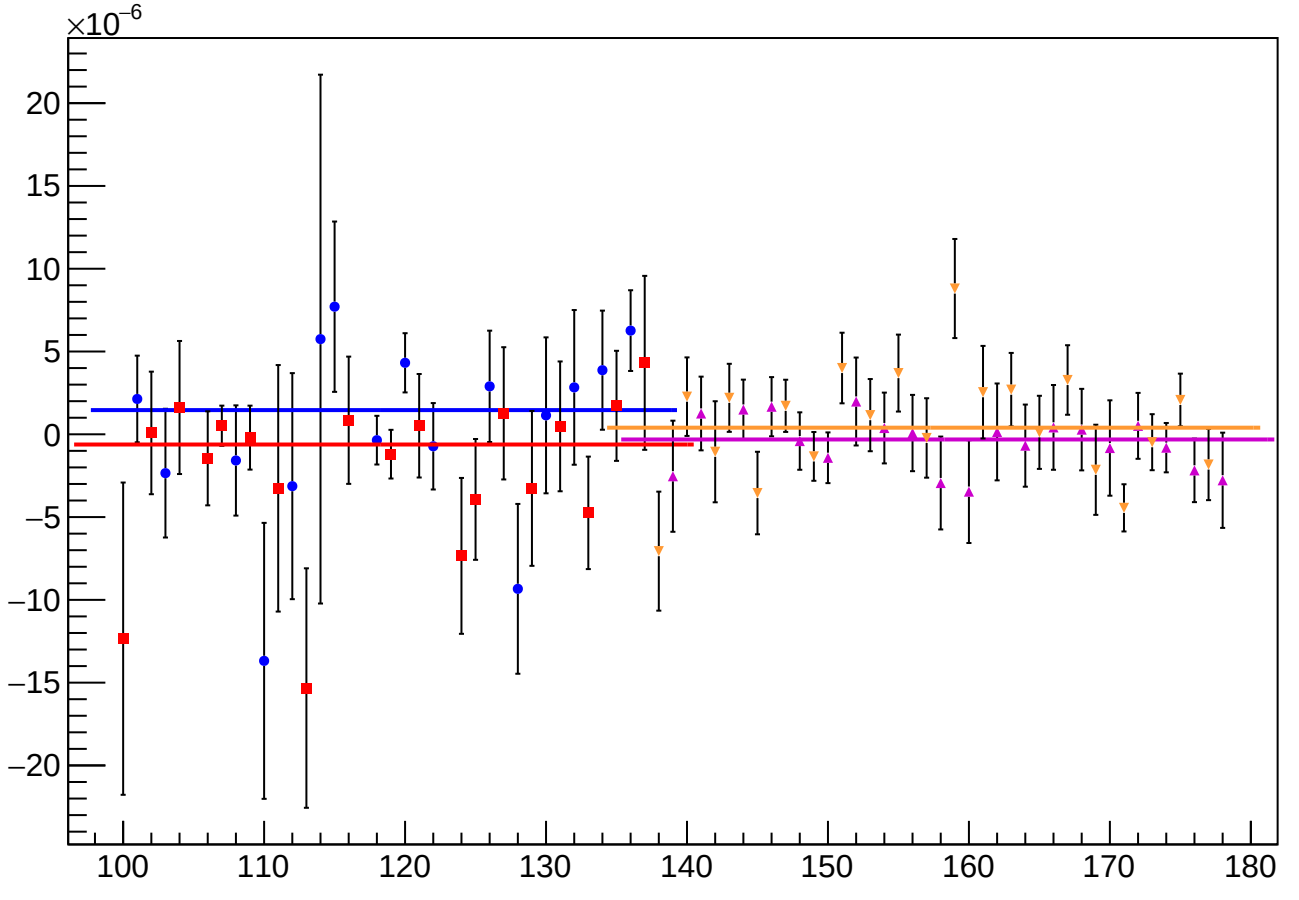
Left: 35.437+/-0.005 χ^2/NDF: 3029124.8/40

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.730+/-0.005 χ^2/NDF:1787926.5/35

Out: 35.343+/-0.005 χ^2/NDF:2268699.6/39

All: 35.035+/-0.004 χ^2/NDF: 4063121.8/75



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:8.7/19

Left: 0.000+/-0.000 χ^2/NDF: 51.7/40

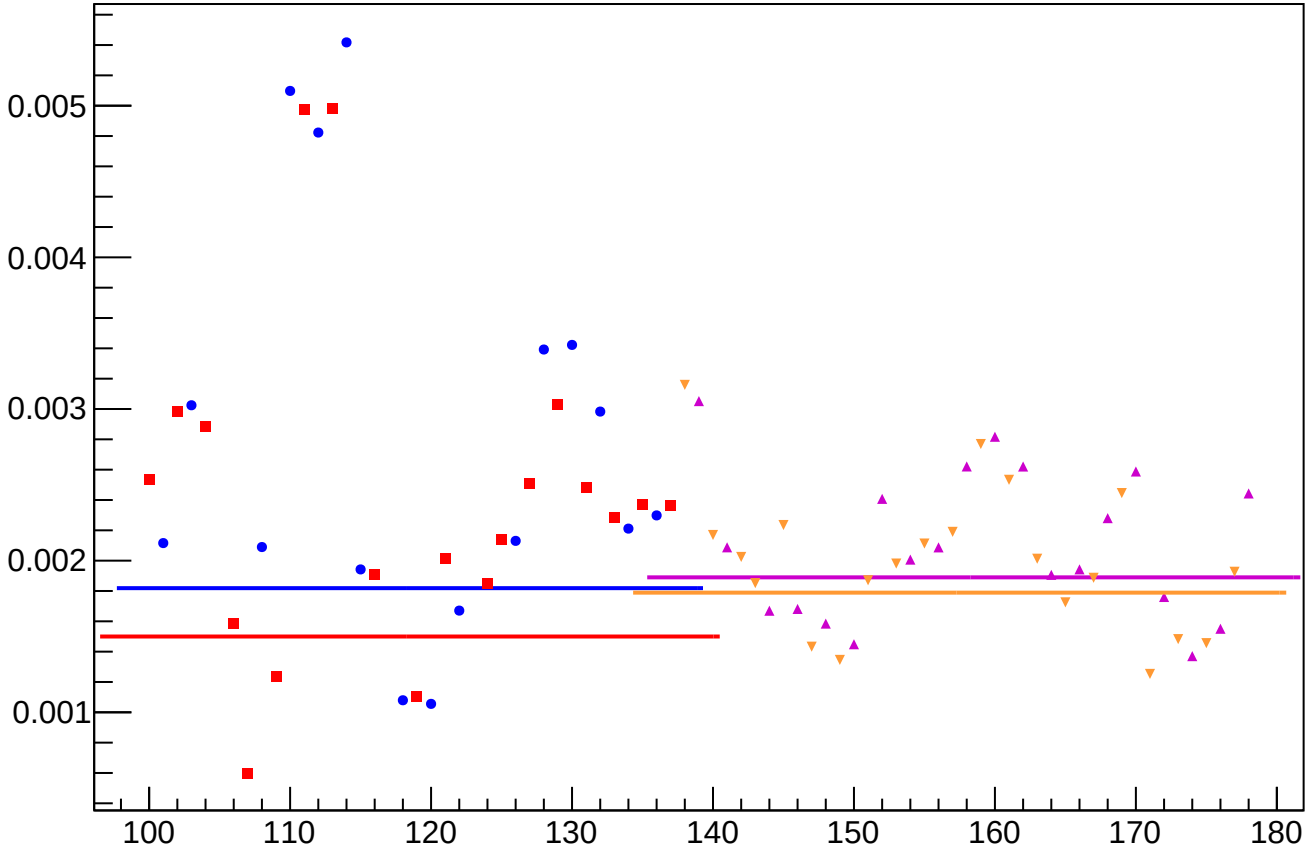
Right: 0.000+/-0.000 χ^2/NDF: 39.3/34

In: 0.000+/-0.000 χ^2/NDF:33.6/35

Out: 0.000+/-0.000 χ^2/NDF:57.5/39

All: 0.000+/-0.000 χ^2/NDF: 91.1/75

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1759678.5/20

Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:1632837.8/19

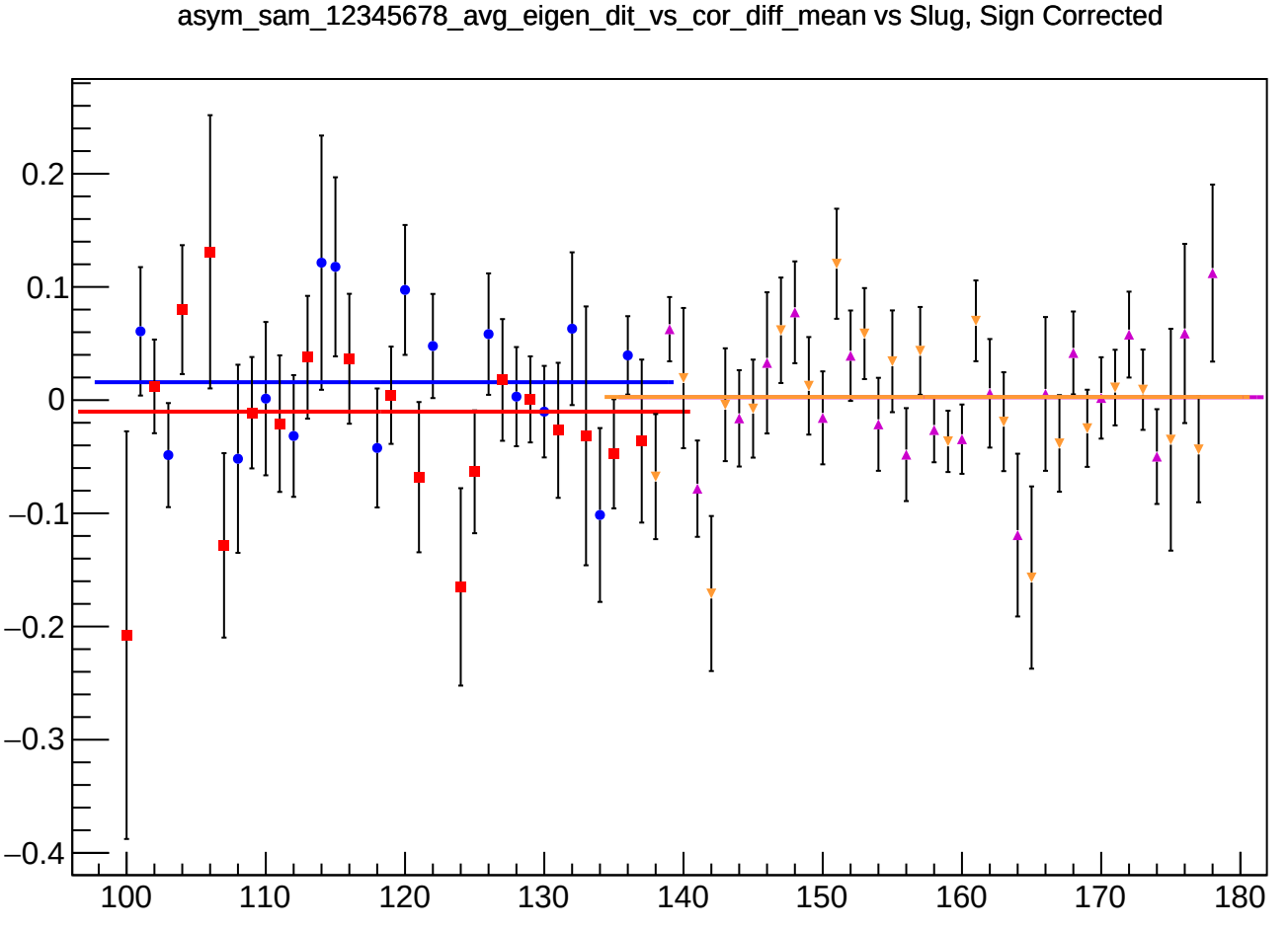
Left: 0.002+/-0.000 χ^2/NDF: 3438710.2/40

Right: 0.002+/-0.000 χ^2/NDF: 6466308.5/34

In: 0.002+/-0.000 χ^2/NDF:4215746.7/35

Out: 0.002+/-0.000 χ^2/NDF:5717889.4/39

All: 0.002+/-0.000 χ^2/NDF: 10135892.4/75



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: 0.003+/-0.009 χ^2/NDF:26.9/19

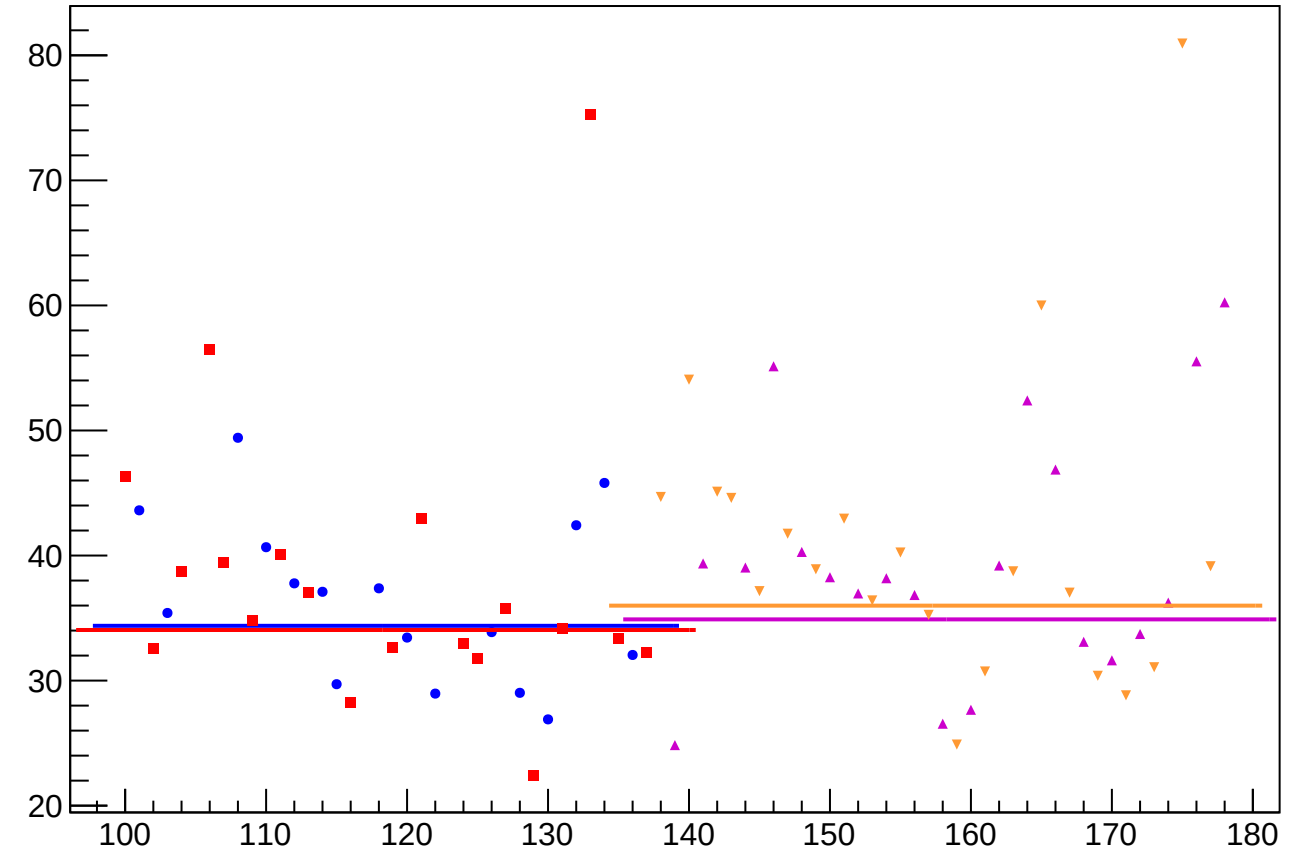
Left: 0.003+/-0.007 χ^2/NDF: 58.8/40

Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.007+/-0.008 χ^2/NDF:42.3/35

Out: -0.002+/-0.008 χ^2/NDF:47.7/39

All: 0.003+/-0.005 χ^2/NDF: 90.6/75



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: 34.895+/-0.007 χ^2/NDF:1418094.4/19

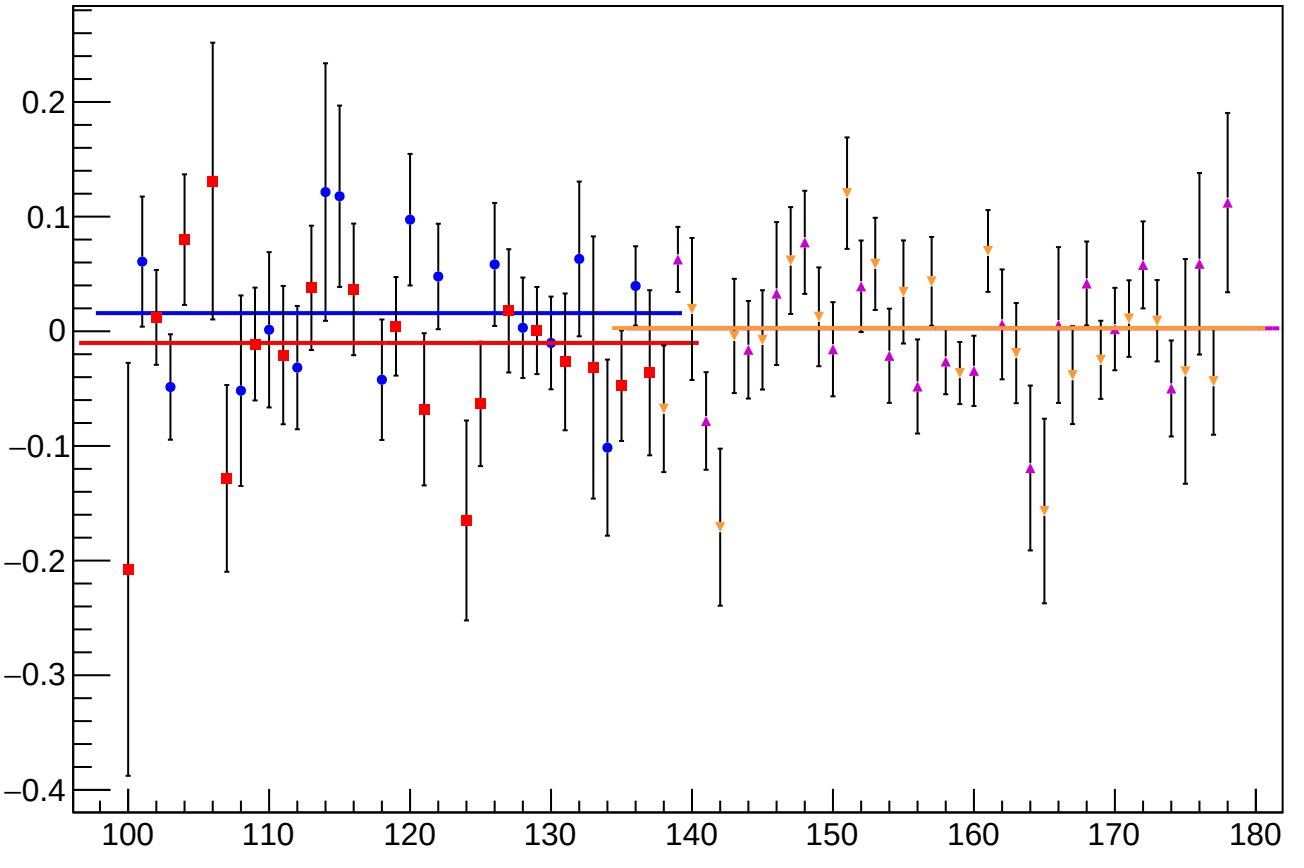
Left: 35.437+/-0.005 χ^2/NDF: 3029218.6/40

Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 34.730+/-0.005 χ^2/NDF:1788031.8/35

Out: 35.343+/-0.005 χ^2/NDF:2268822.0/39

All: 35.035+/-0.004 χ^2/NDF: 4063349.2/75



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: 0.003+/-0.009 χ^2/NDF:26.9/19

Left: 0.003+/-0.007 χ^2/NDF: 58.8/40

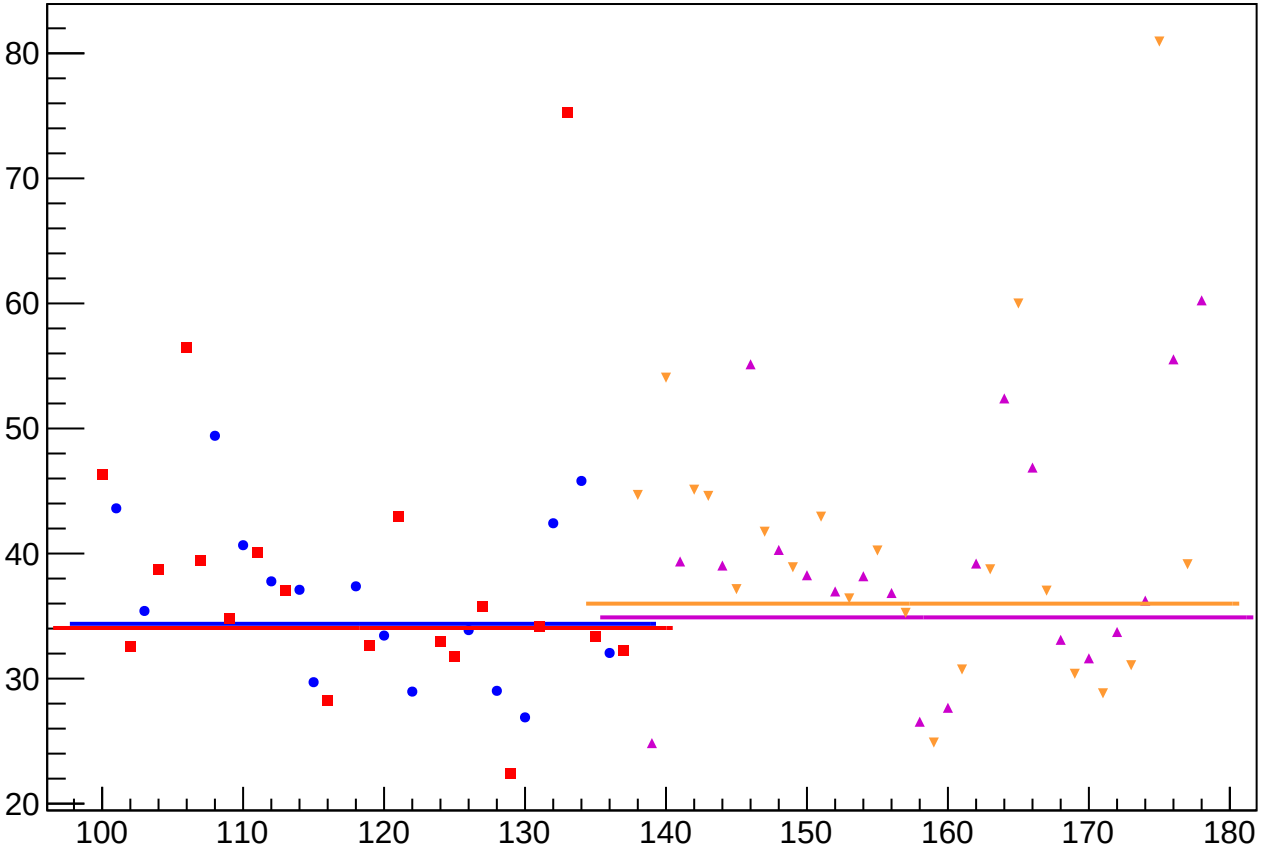
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.007+/-0.008 χ^2/NDF:42.3/35

Out: -0.002+/-0.008 χ^2/NDF:47.7/39

All: 0.003+/-0.005 χ^2/NDF: 90.6/75

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: 34.895+/-0.007 χ^2/NDF:1418094.4/19

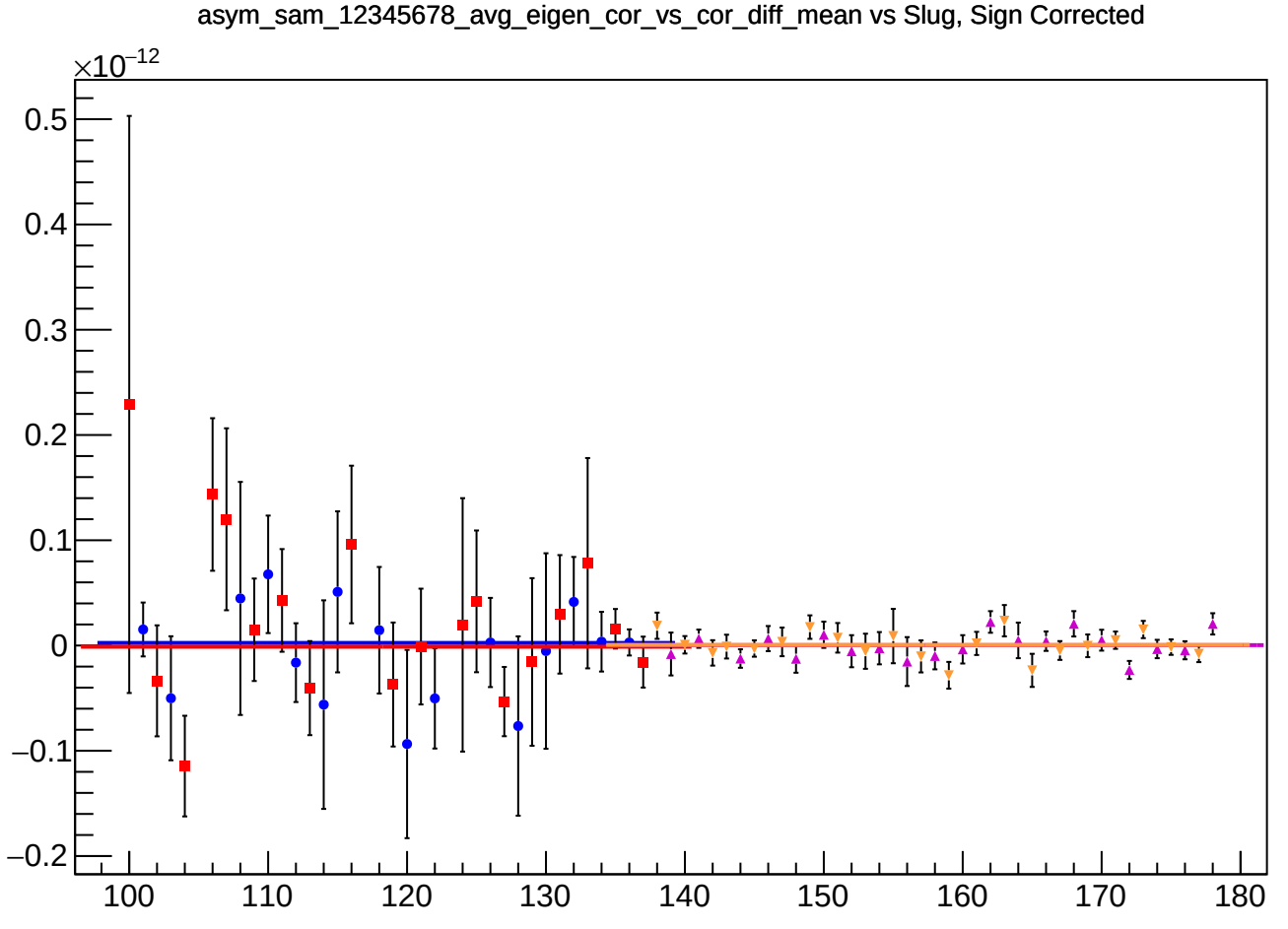
Left: 35.437+/-0.005 χ^2/NDF: 3029218.6/40

Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 34.730+/-0.005 χ^2/NDF:1788031.8/35

Out: 35.343+/-0.005 χ^2/NDF:2268822.0/39

All: 35.035+/-0.004 χ^2/NDF: 4063349.2/75



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/20

Right Out: -0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: 0.000+/-0.000 χ^2/NDF:25.9/19

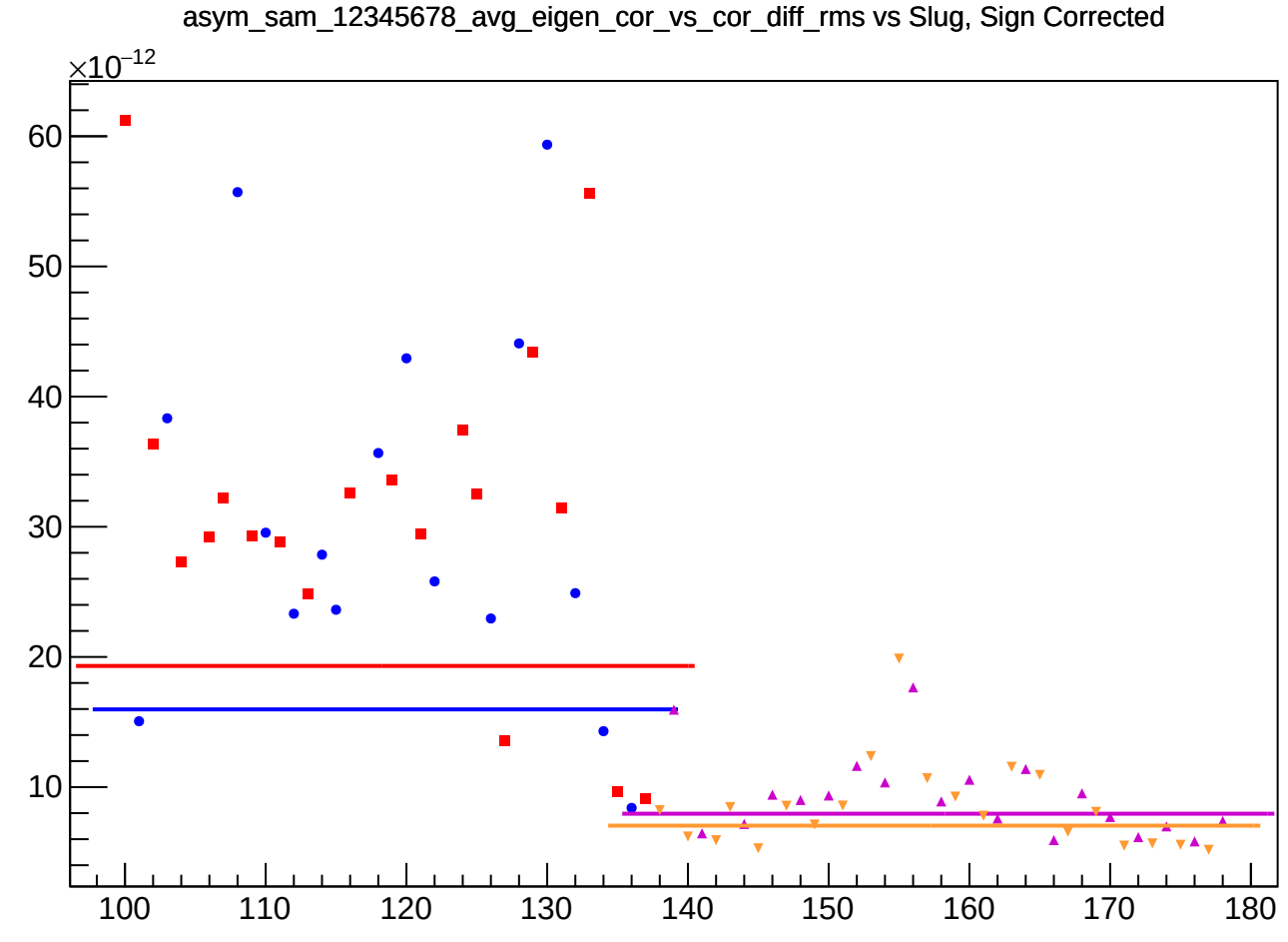
Left: 0.000+/-0.000 χ^2/NDF: 47.0/40

Right: 0.000+/-0.000 χ^2/NDF: 29.3/34

In: 0.000+/-0.000 χ^2/NDF:33.7/35

Out: 0.000+/-0.000 χ^2/NDF:42.6/39

All: 0.000+/-0.000 χ^2/NDF: 76.3/75



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:1512035.5/19

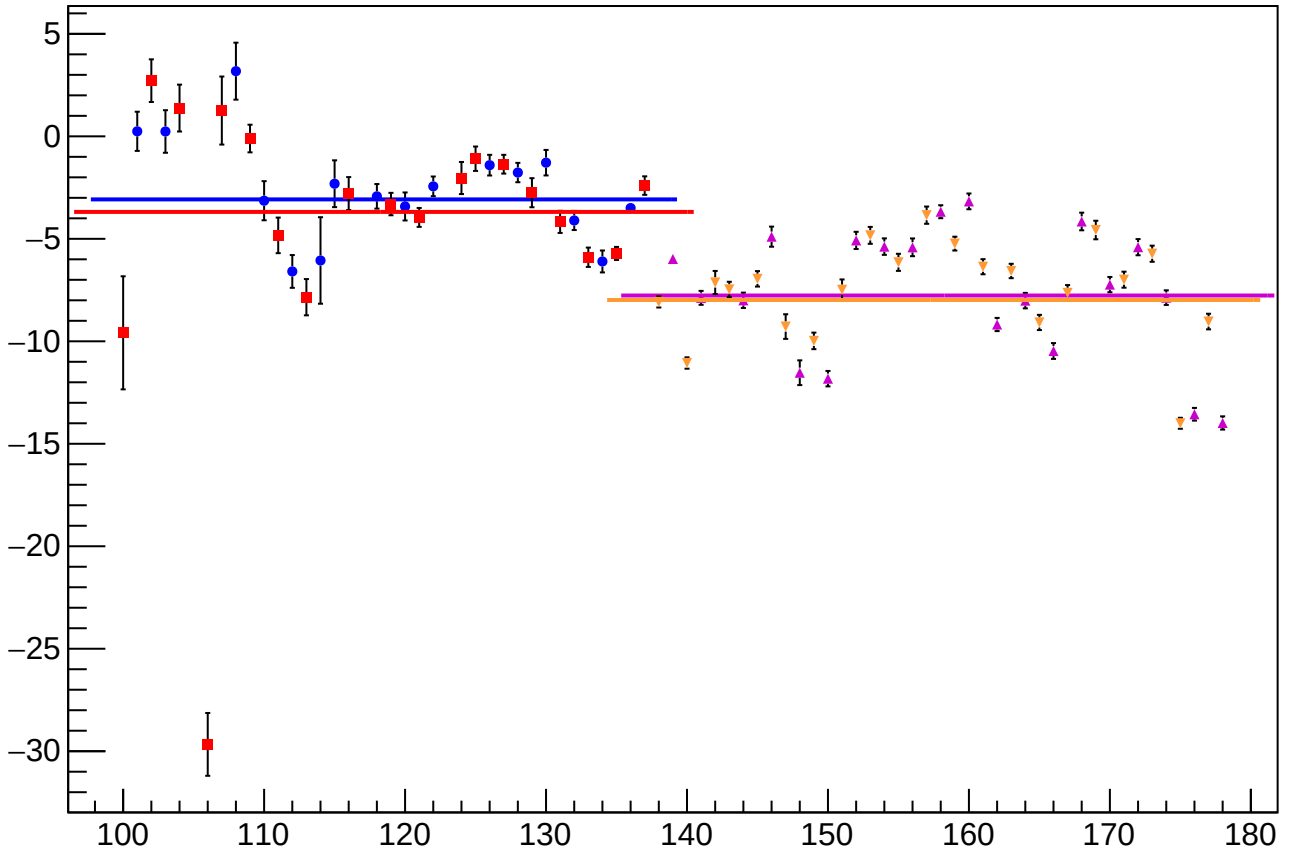
Left: 0.000+/-0.000 χ^2/NDF: 3429866.7/40

Right: 0.000+/-0.000 χ^2/NDF: 5386653.4/34

In: 0.000+/-0.000 χ^2/NDF:5896494.9/35

Out: 0.000+/-0.000 χ^2/NDF:6962701.5/39

All: 0.000+/-0.000 χ^2/NDF: 13018054.0/75



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: -7.767+/-0.081 χ^2/NDF:1558.0/19

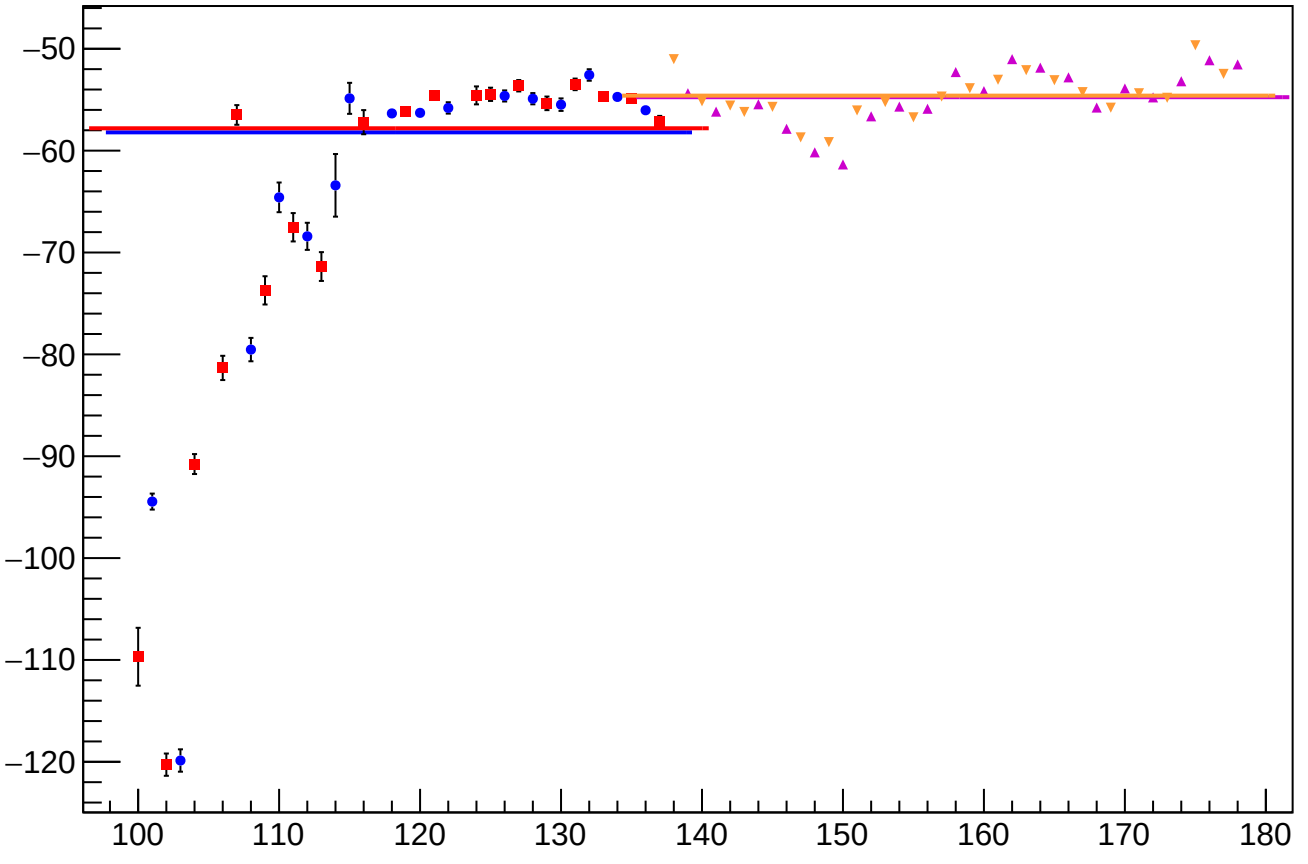
Left: -7.875+/-0.057 χ^2/NDF: 2618.9/40

Right: -3.371+/-0.097 χ^2/NDF: 678.4/34

In: -6.522+/-0.070 χ^2/NDF:2575.2/35

Out: -6.902+/-0.070 χ^2/NDF:2295.1/39

All: -6.710+/-0.050 χ^2/NDF: 4885.0/75



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: -54.754+/-0.063 χ^2/NDF:2045.9/19

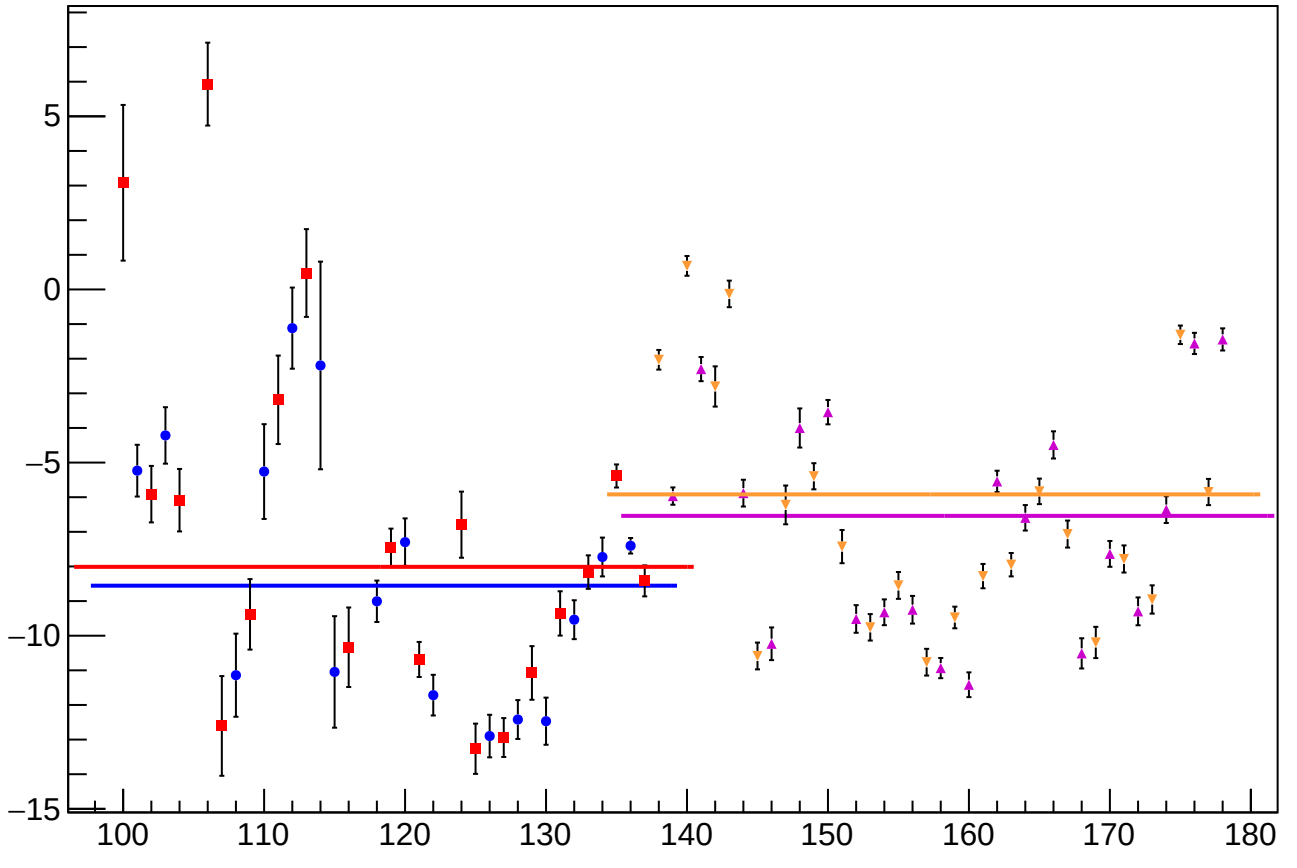
Left: -54.674+/-0.044 χ^2/NDF: 3453.8/40

Right: -58.008+/-0.097 χ^2/NDF: 11923.9/34

In: -55.371+/-0.057 χ^2/NDF:8704.9/35

Out: -55.126+/-0.056 χ^2/NDF:7644.9/39

All: -55.246+/-0.040 χ^2/NDF: 16359.1/75



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: -6.539+/-0.080 χ^2/NDF:1575.0/19

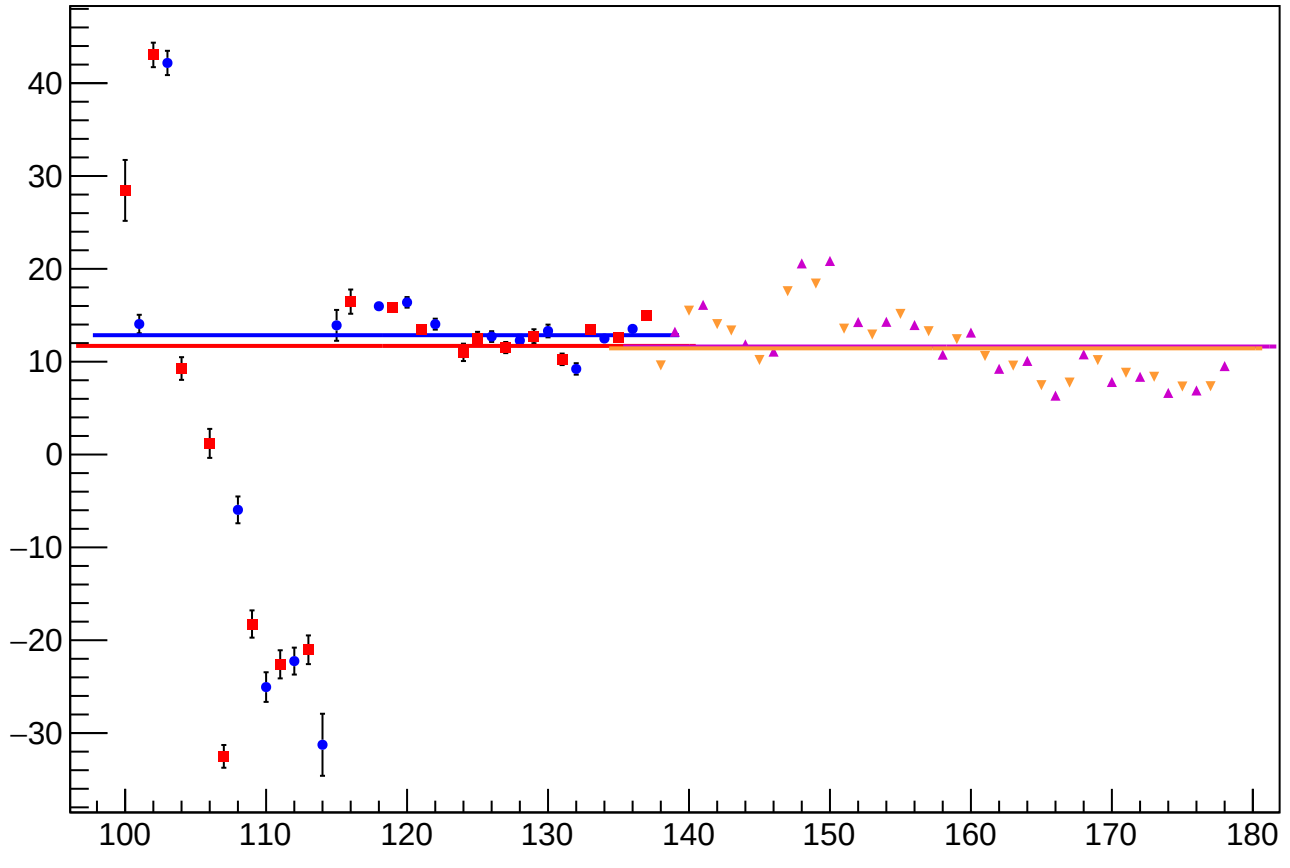
Left: -6.229+/-0.057 χ^2/NDF: 3730.7/40

Right: -8.298+/-0.105 χ^2/NDF: 796.7/34

In: -7.011+/-0.070 χ^2/NDF:2024.4/35

Out: -6.370+/-0.071 χ^2/NDF:2761.9/39

All: -6.695+/-0.050 χ^2/NDF: 4827.5/75



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: 11.635+/-0.070 χ^2/NDF:3081.5/19

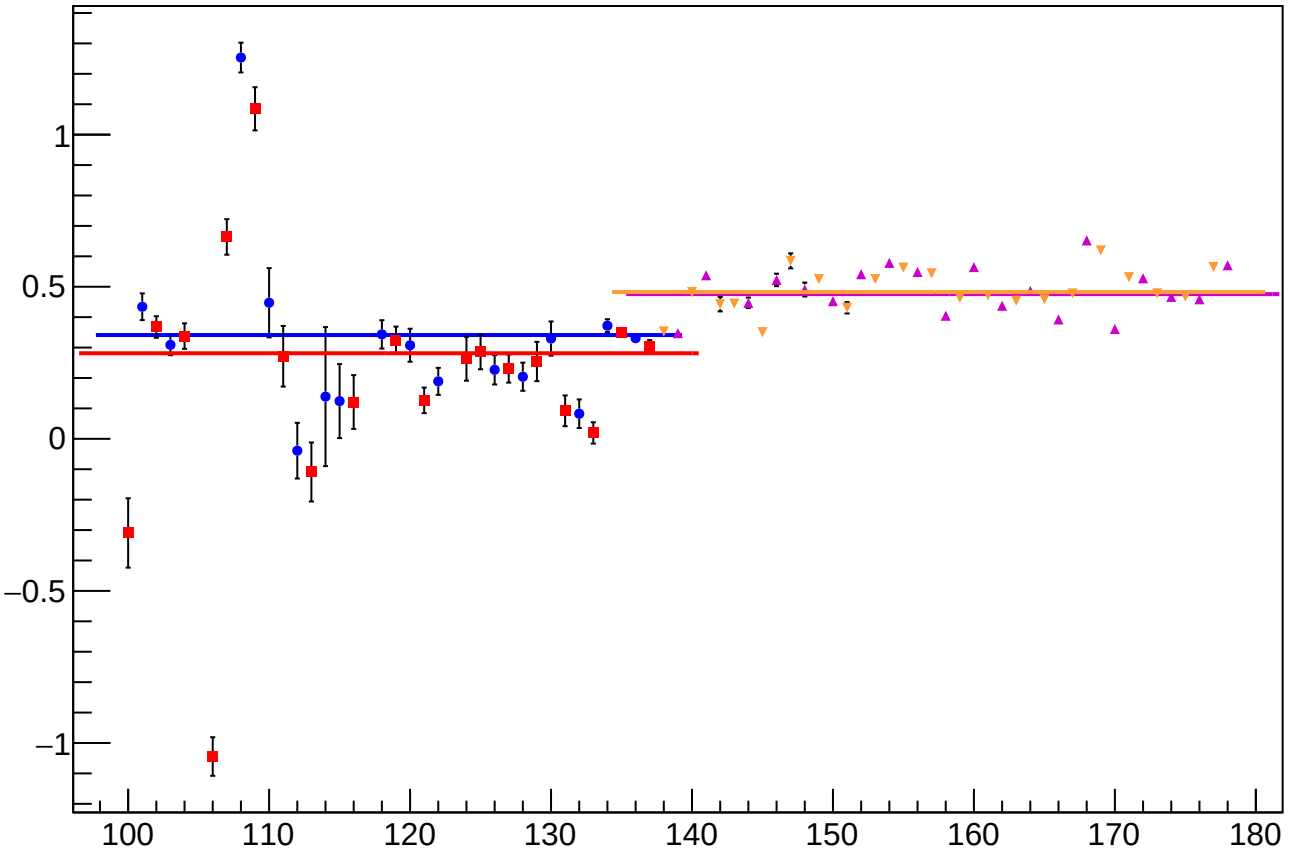
Left: 11.533+/-0.049 χ^2/NDF: 5286.4/40

Right: 12.294+/-0.108 χ^2/NDF: 5655.7/34

In: 11.853+/-0.064 χ^2/NDF:5263.9/35

Out: 11.479+/-0.063 χ^2/NDF:5701.9/39

All: 11.664+/-0.045 χ^2/NDF: 10983.3/75



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: 0.476+/-0.003 χ^2/NDF:773.7/19

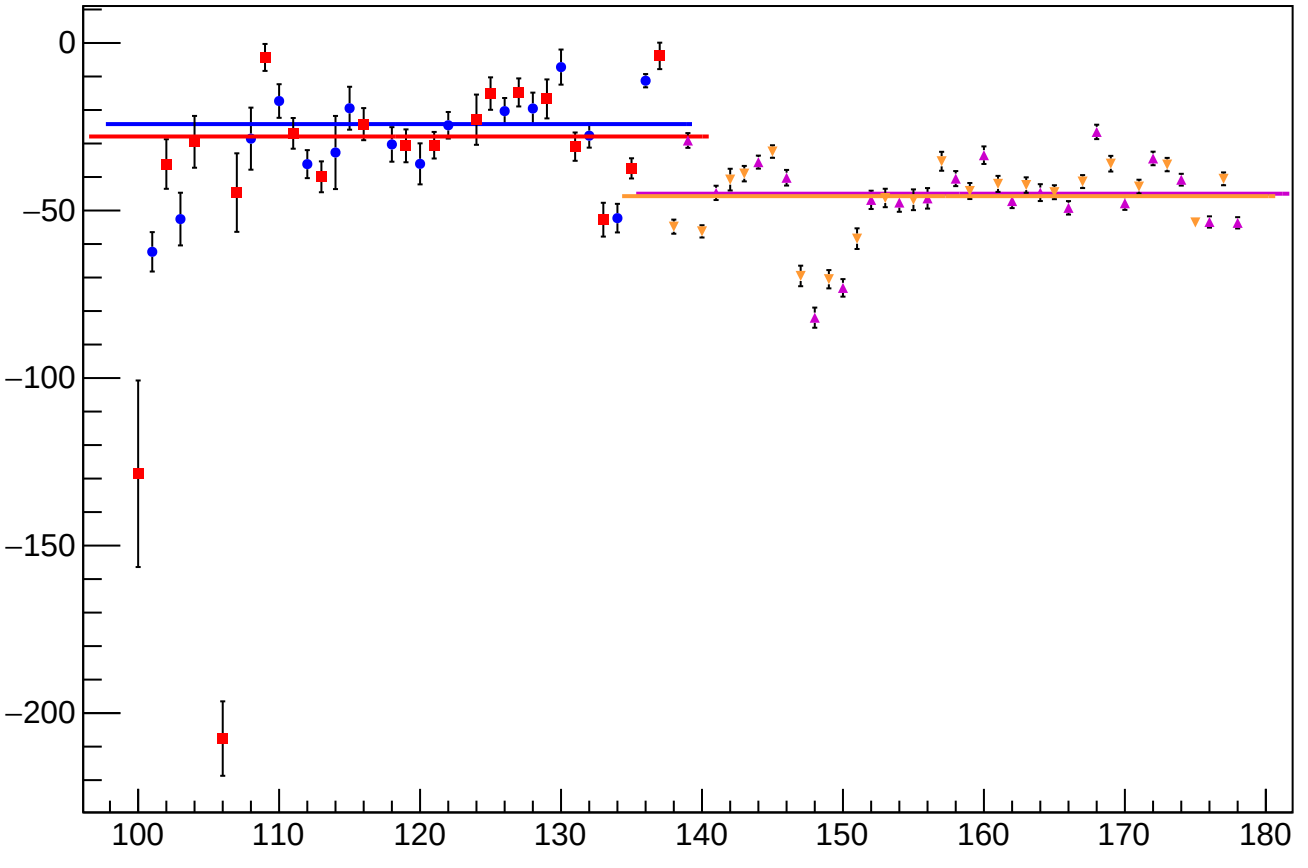
Left: 0.479+/-0.002 χ^2/NDF: 1240.9/40

Right: 0.313+/-0.006 χ^2/NDF: 1239.2/34

In: 0.459+/-0.003 χ^2/NDF:1463.9/35

Out: 0.460+/-0.003 χ^2/NDF:1742.5/39

All: 0.459+/-0.002 χ^2/NDF: 3206.5/75



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: -44.982+/-0.487 χ^2/NDF:536.9/19

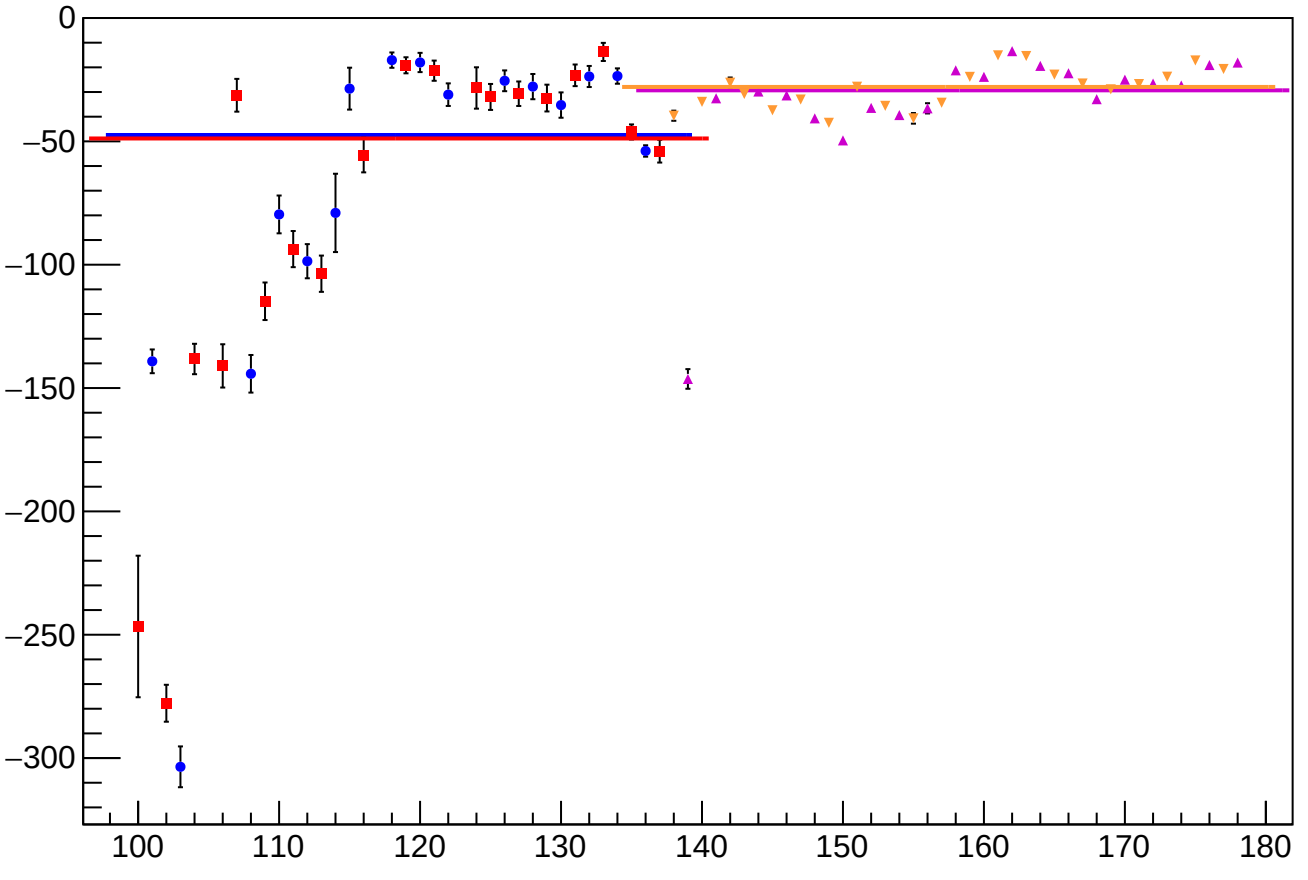
Left: -45.347+/-0.344 χ^2/NDF: 910.1/40

Right: -25.971+/-0.785 χ^2/NDF: 589.7/34

In: -41.507+/-0.444 χ^2/NDF:1012.2/35

Out: -42.953+/-0.448 χ^2/NDF:992.8/39

All: -42.225+/-0.315 χ^2/NDF: 2010.2/75



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: -29.312+/-0.366 χ^2/NDF:1422.3/19

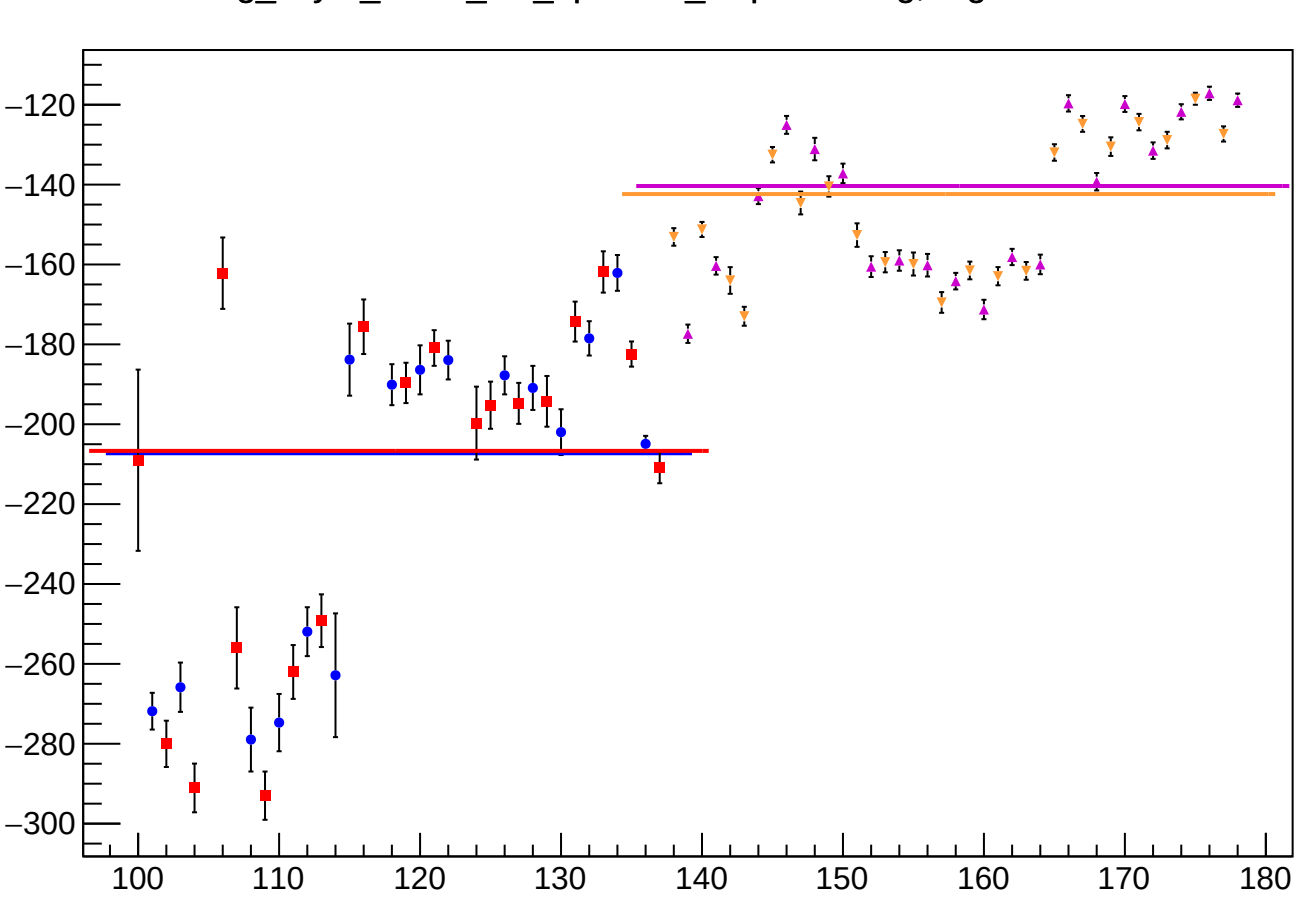
Left: -28.616+/-0.257 χ^2/NDF: 1891.7/40

Right: -48.076+/-0.806 χ^2/NDF: 3648.9/34

In: -31.115+/-0.347 χ^2/NDF:3539.4/35

Out: -29.712+/-0.344 χ^2/NDF:2522.6/39

All: -30.407+/-0.244 χ^2/NDF: 6070.2/75



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -142.368+/-0.482 χ^2/NDF:1279.3/20

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

Left In: -140.352+/-0.482 χ^2/NDF:1684.6/19

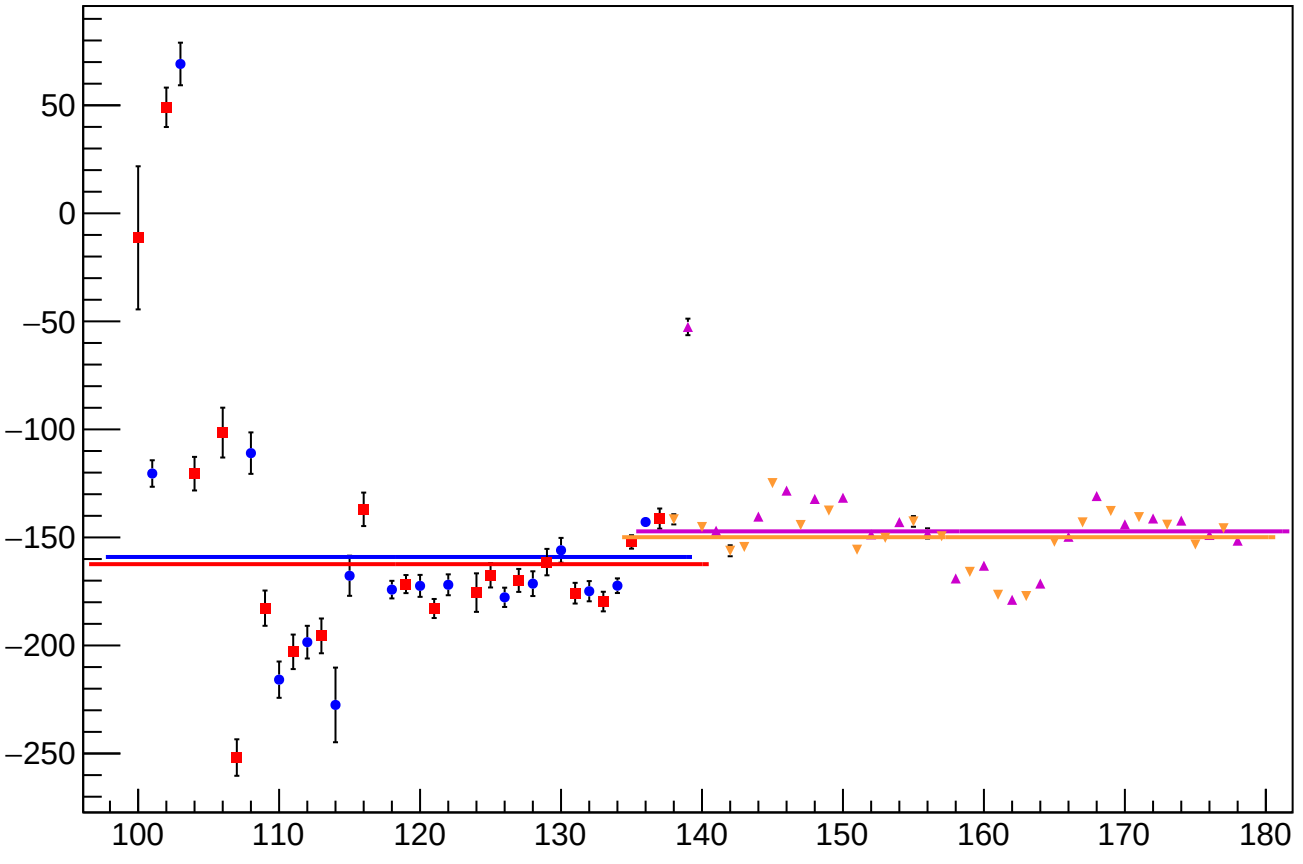
Left: -141.358+/-0.341 χ^2/NDF: 2972.7/40

Right: -206.994+/-0.867 χ^2/NDF: 1718.0/34

In: -149.930+/-0.446 χ^2/NDF:5196.3/35

Out: -150.373+/-0.451 χ^2/NDF:4460.3/39

All: -150.149+/-0.317 χ^2/NDF: 9657.1/75



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: -147.187+/-0.411 χ^2/NDF:1720.1/19

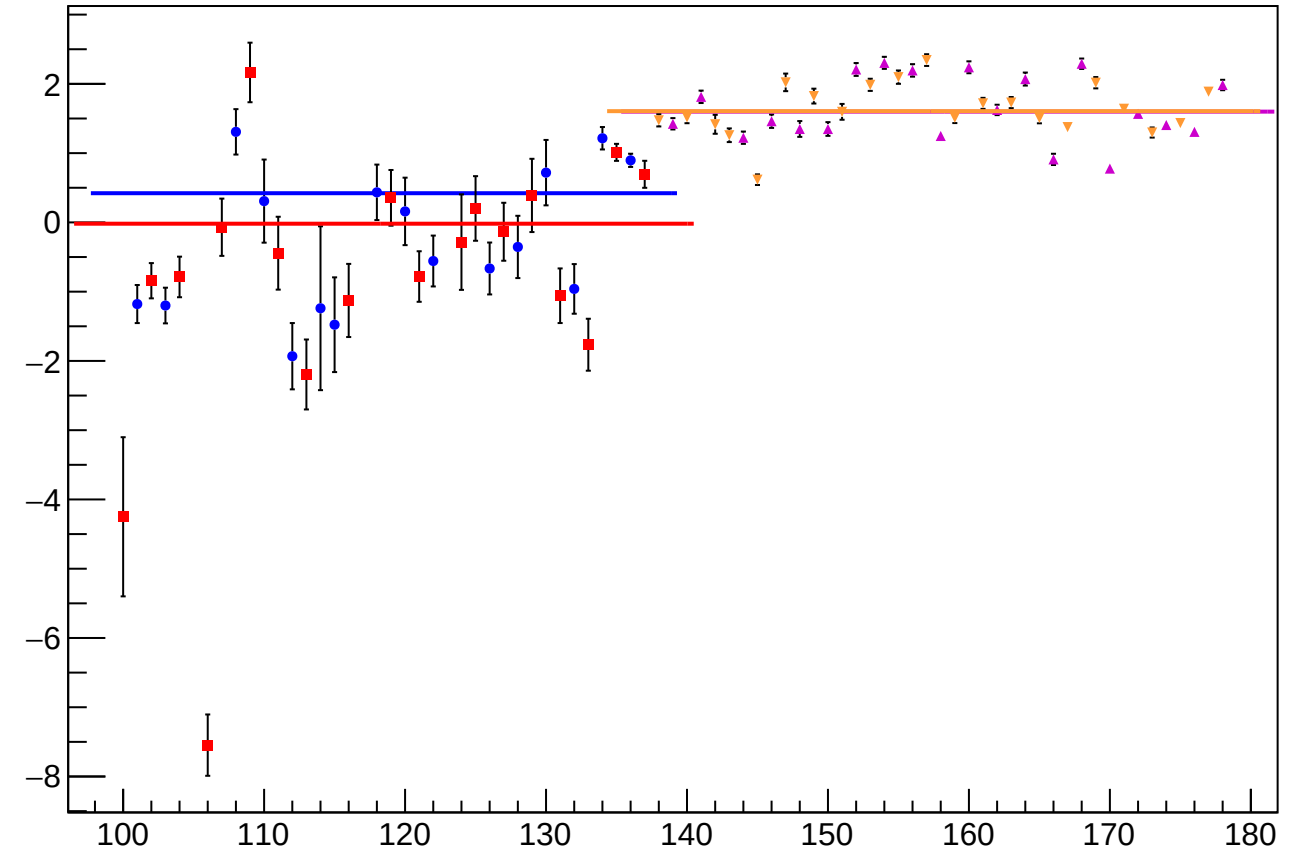
Left: -148.554+/-0.289 χ^2/NDF: 2736.2/40

Right: -160.581+/-0.899 χ^2/NDF: 1691.7/34

In: -148.384+/-0.389 χ^2/NDF:2620.1/35

Out: -150.963+/-0.388 χ^2/NDF:1947.9/39

All: -149.678+/-0.275 χ^2/NDF: 4590.0/75



Right In: 0.421+/-0.065 χ^2/NDF: 197.6/15

Left Out: 1.606+/-0.018 χ^2/NDF:403.1/20

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

Left In: 1.599+/-0.018 χ^2/NDF:653.1/19

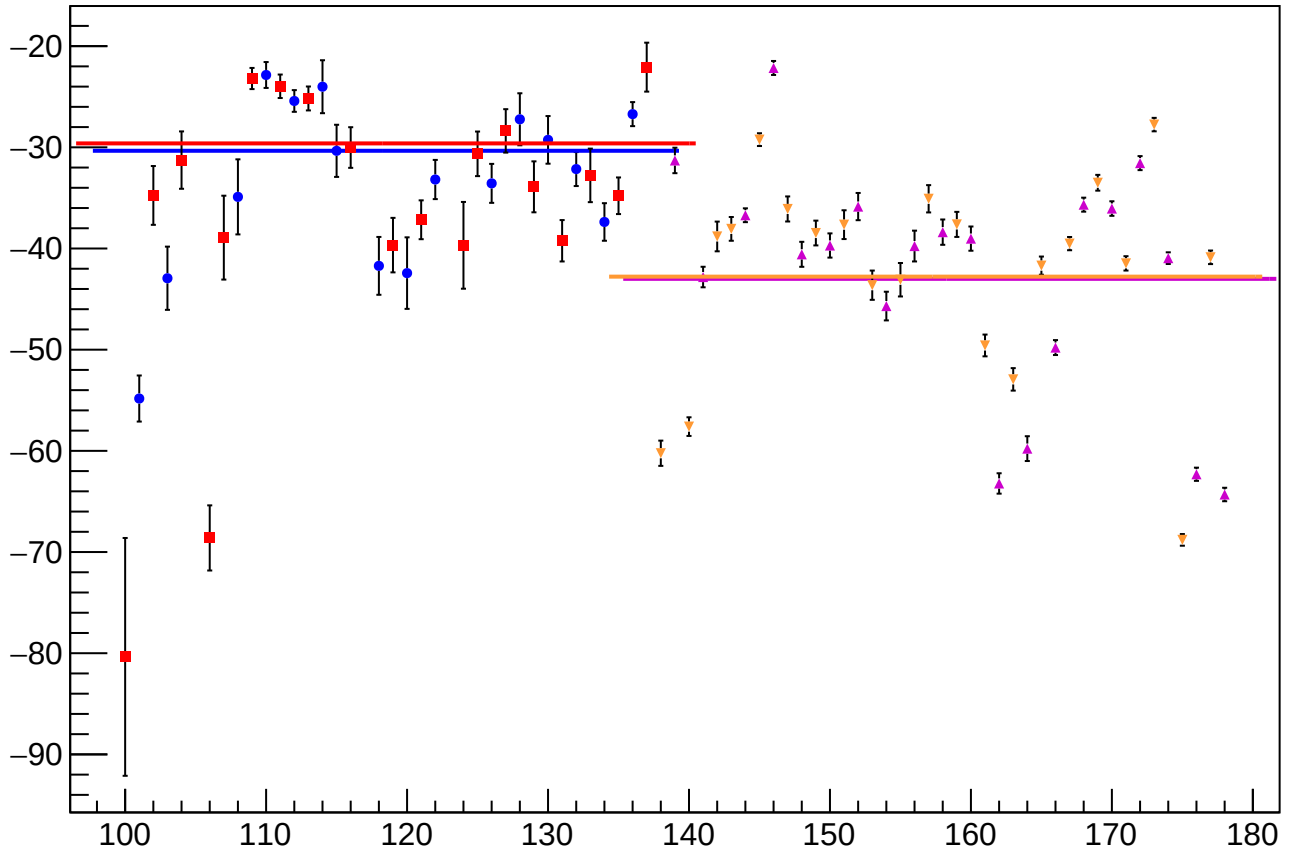
Left: 1.603+/-0.013 χ^2/NDF: 1056.3/40

Right: 0.225+/-0.048 χ^2/NDF: 706.4/34

In: 1.514+/-0.017 χ^2/NDF:1157.0/35

Out: 1.509+/-0.018 χ^2/NDF:1366.0/39

All: 1.511+/-0.012 χ^2/NDF: 2523.0/75



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: -42.999+/-0.192 χ^2/NDF:4218.6/19

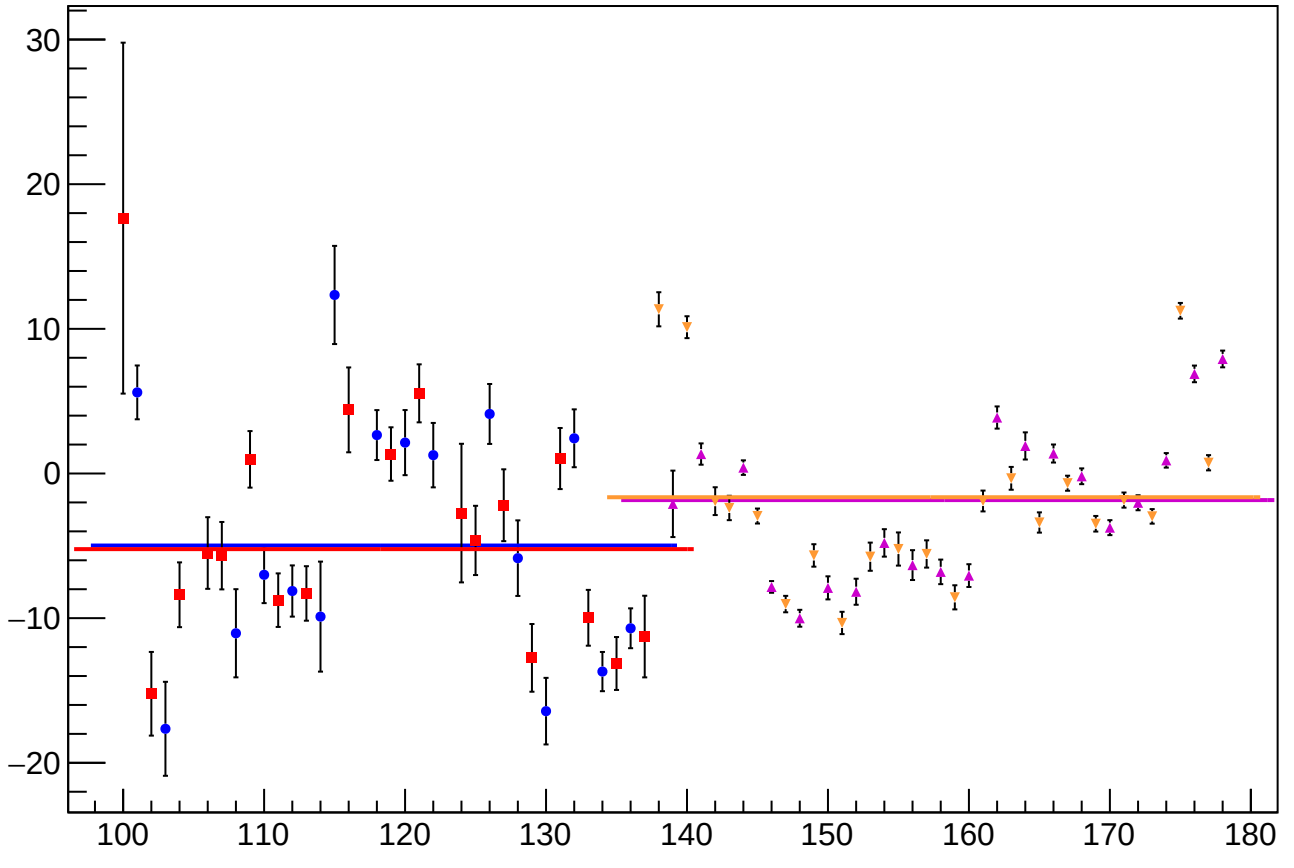
Left: -42.893+/-0.137 χ^2/NDF: 8114.6/40

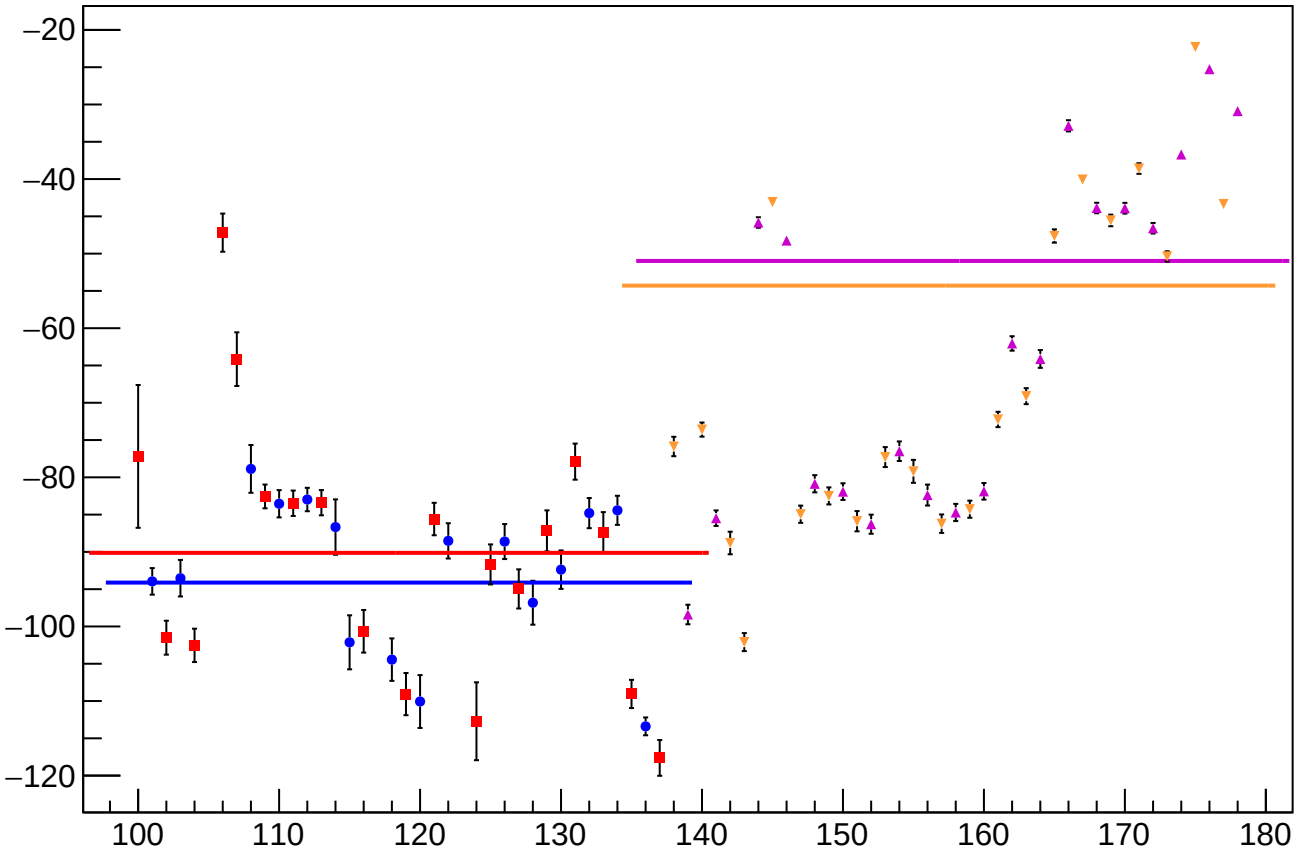
Right: -29.963+/-0.324 χ^2/NDF: 584.0/34

In: -41.180+/-0.177 χ^2/NDF:5099.0/35

Out: -40.666+/-0.181 χ^2/NDF:4941.9/39

All: -40.928+/-0.127 χ^2/NDF: 10045.0/75


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: -1.838+/-0.143 χ²/NDF:1333.2/19
Left: -1.742+/-0.102 χ²/NDF: 2757.9/40
Right: -5.100+/-0.365 χ²/NDF: 373.9/34
In: -2.067+/-0.137 χ²/NDF:1605.7/35
Out: -1.901+/-0.141 χ²/NDF:1603.8/39
All: -1.986+/-0.098 χ²/NDF: 3210.2/75



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: -50.981+/-0.191 χ^2/NDF:11288.5/19

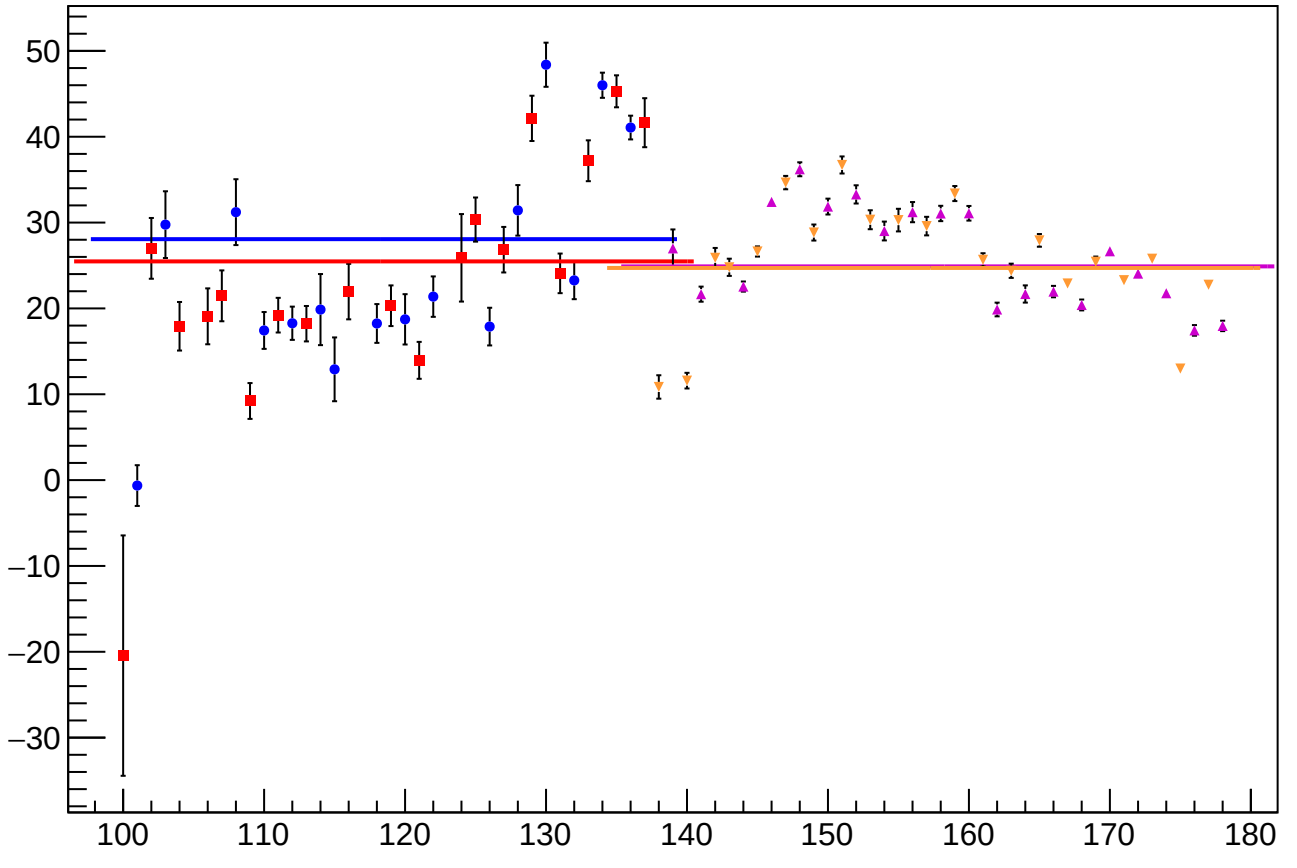
Left: -52.590+/-0.137 χ^2/NDF: 23259.9/40

Right: -92.143+/-0.382 χ^2/NDF: 1283.5/34

In: -55.833+/-0.180 χ^2/NDF:17481.0/35

Out: -58.436+/-0.185 χ^2/NDF:16468.0/39

All: -57.102+/-0.129 χ^2/NDF: 34050.8/75



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: 24.897+/-0.161 χ^2/NDF:1145.5/19

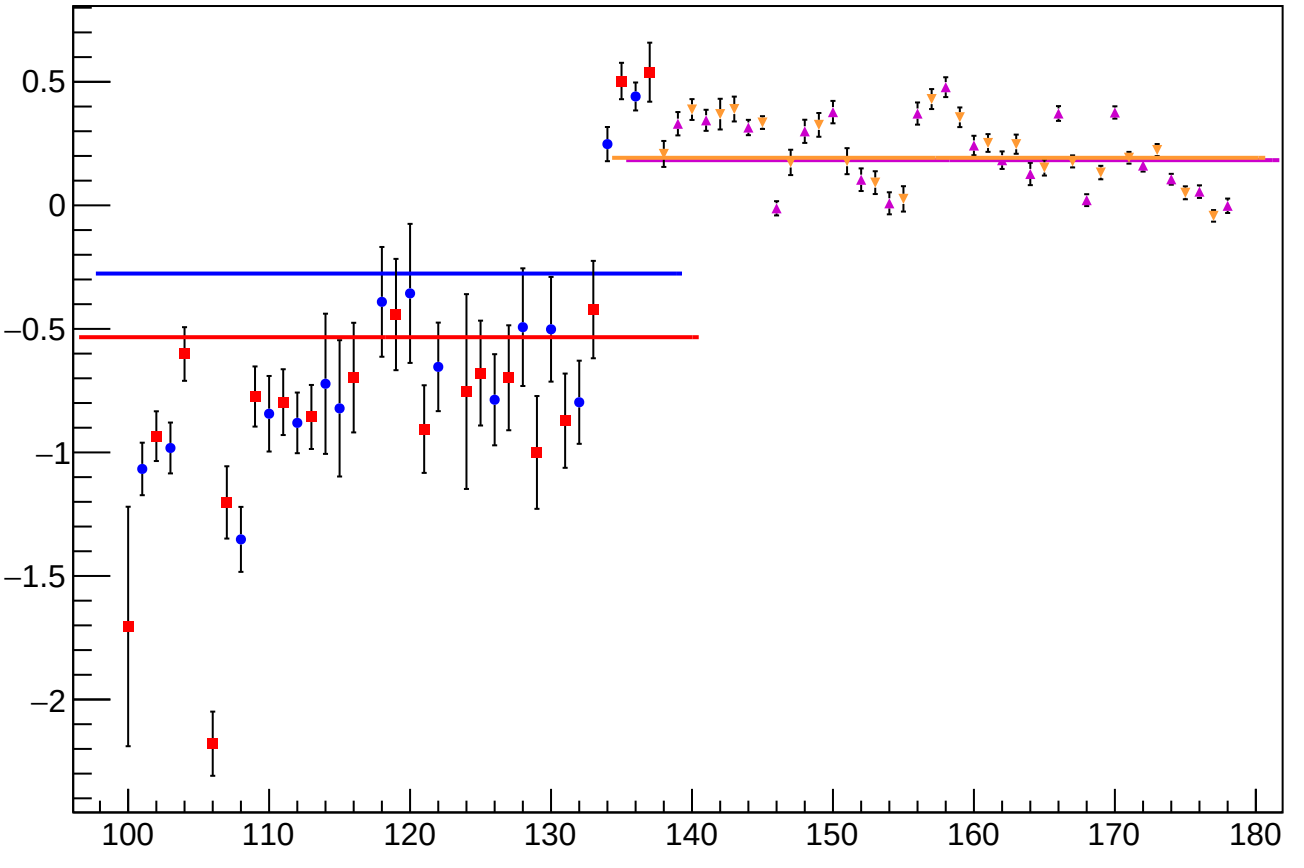
Left: 24.807+/-0.115 χ^2/NDF: 2438.3/40

Right: 26.821+/-0.410 χ^2/NDF: 947.7/34

In: 25.133+/-0.155 χ^2/NDF:1757.4/35

Out: 24.769+/-0.158 χ^2/NDF:1648.3/39

All: 24.955+/-0.111 χ^2/NDF: 3408.4/75



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: 0.183+/-0.007 χ^2/NDF:429.7/19

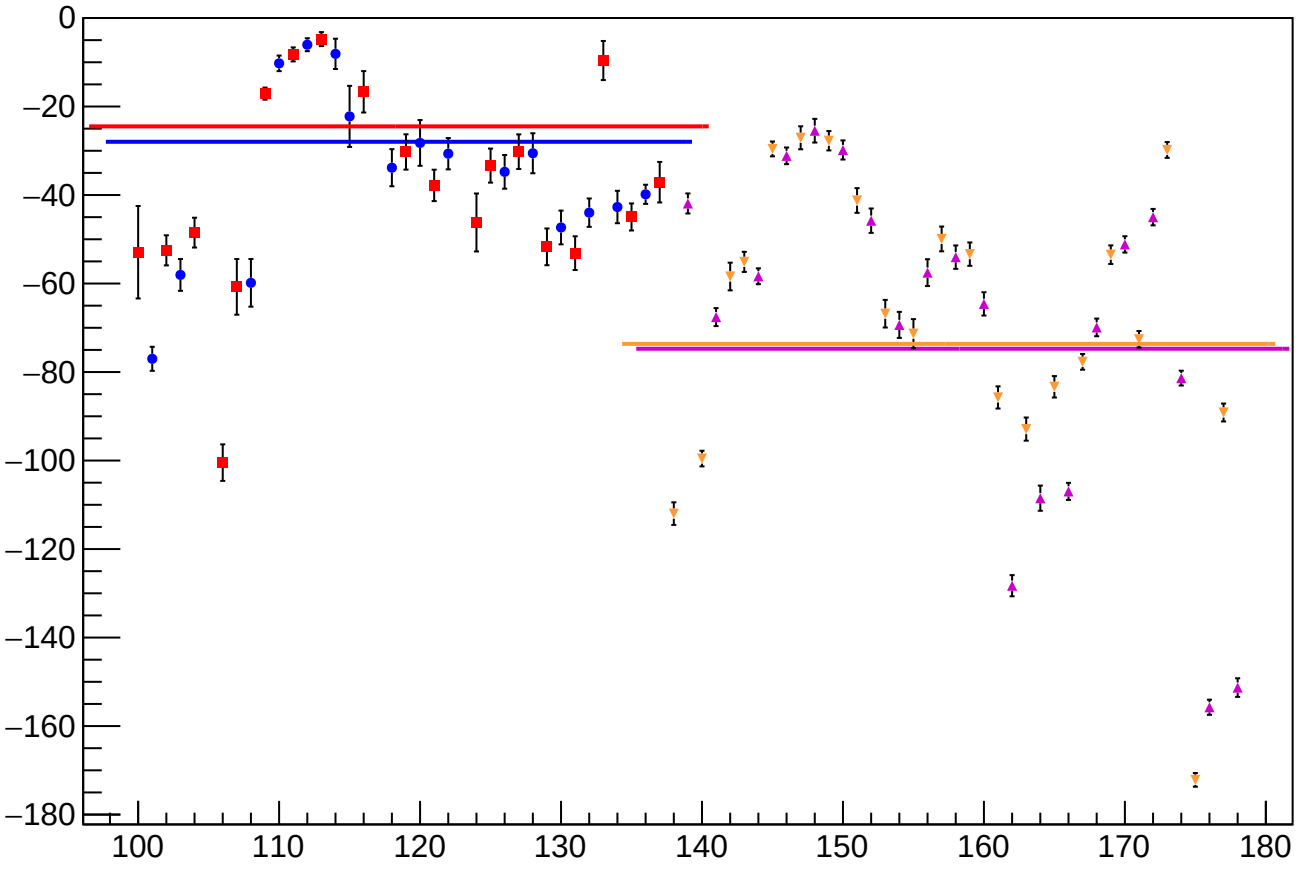
Left: 0.188+/-0.005 χ^2/NDF: 723.4/40

Right: -0.396+/-0.022 χ^2/NDF: 998.8/34

In: 0.159+/-0.007 χ^2/NDF:1097.9/35

Out: 0.158+/-0.007 χ^2/NDF:1268.3/39

All: 0.158+/-0.005 χ^2/NDF: 2366.2/75



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: -74.737+/-0.479 χ^2/NDF:6765.4/19

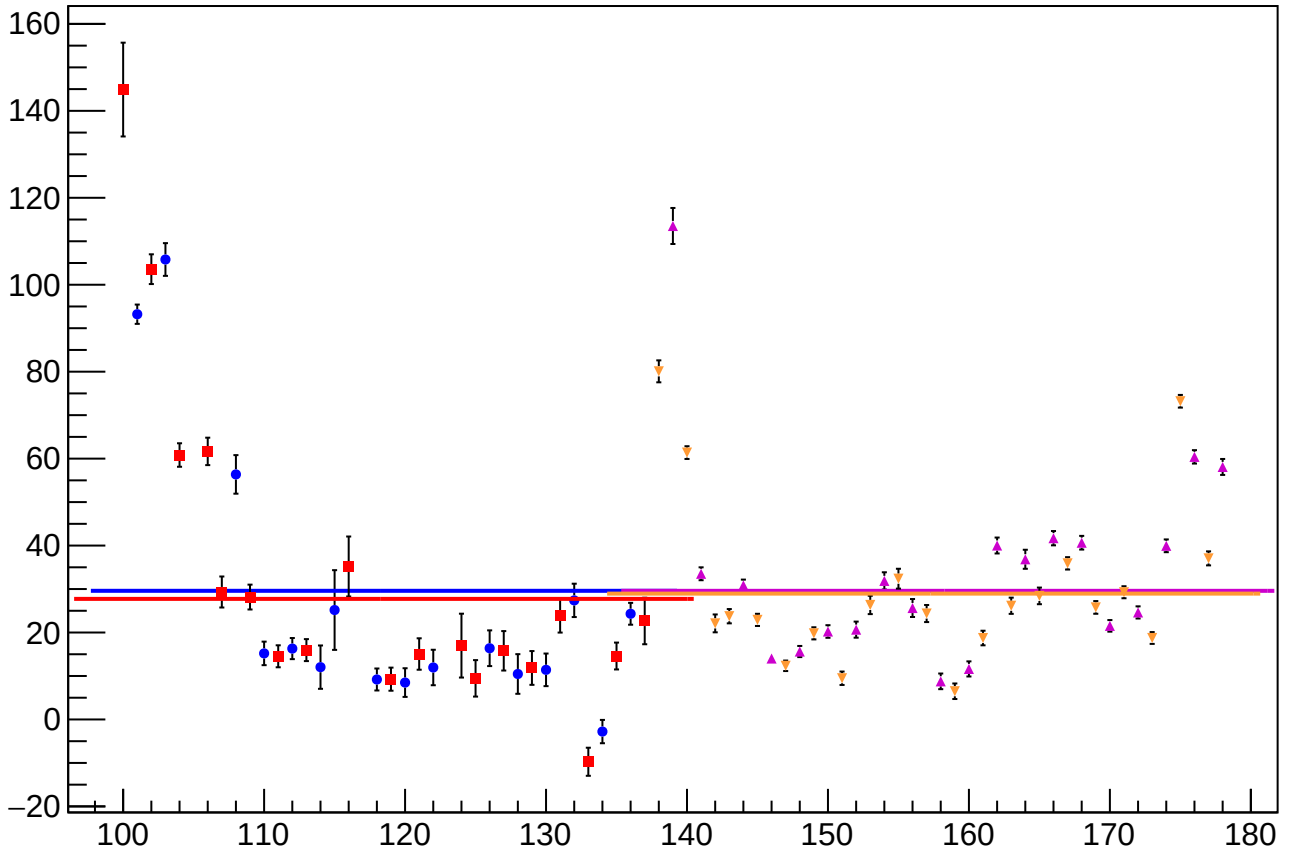
Left: -74.186+/-0.339 χ^2/NDF: 13936.8/40

Right: -26.064+/-0.490 χ^2/NDF: 1896.8/34

In: -60.588+/-0.400 χ^2/NDF:10542.0/35

Out: -56.781+/-0.388 χ^2/NDF:11771.2/39

All: -58.627+/-0.279 χ^2/NDF: 22359.9/75



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: 29.589+/-0.356 χ^2/NDF:1919.4/19

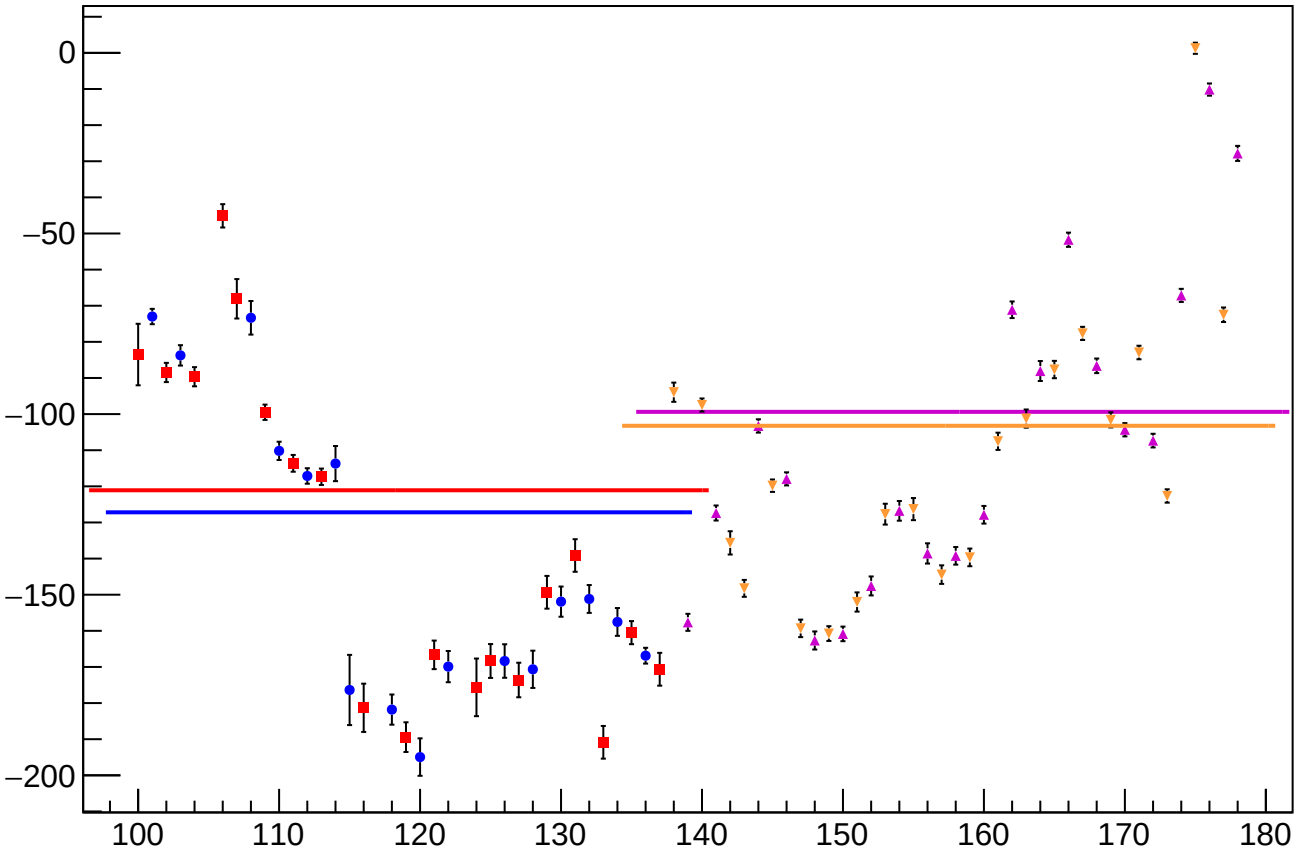
Left: 29.263+/-0.250 χ^2/NDF: 4486.2/40

Right: 28.653+/-0.567 χ^2/NDF: 2853.5/34

In: 29.590+/-0.326 χ^2/NDF:3585.1/35

Out: 28.751+/-0.321 χ^2/NDF:3752.2/39

All: 29.164+/-0.229 χ^2/NDF: 7340.6/75



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: -99.378+/-0.475 χ^2/NDF:8602.5/19

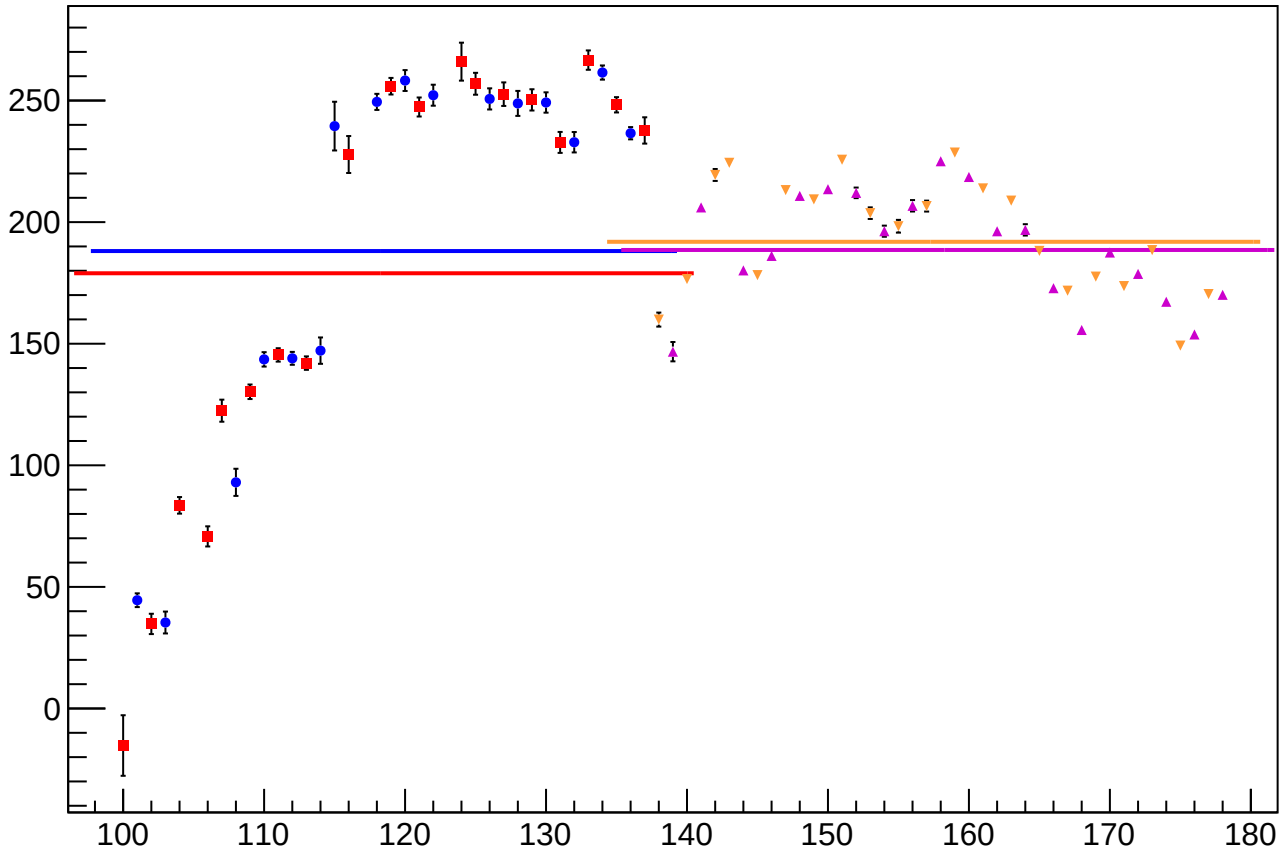
Left: -101.306+/-0.336 χ^2/NDF: 16777.8/40

Right: -124.019+/-0.575 χ^2/NDF: 4603.6/34

In: -106.244+/-0.412 χ^2/NDF:11627.6/35

Out: -107.906+/-0.408 χ^2/NDF:10909.4/39

All: -107.083+/-0.290 χ^2/NDF: 22545.2/75



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: 188.549+/-0.403 χ^2/NDF:2633.4/19

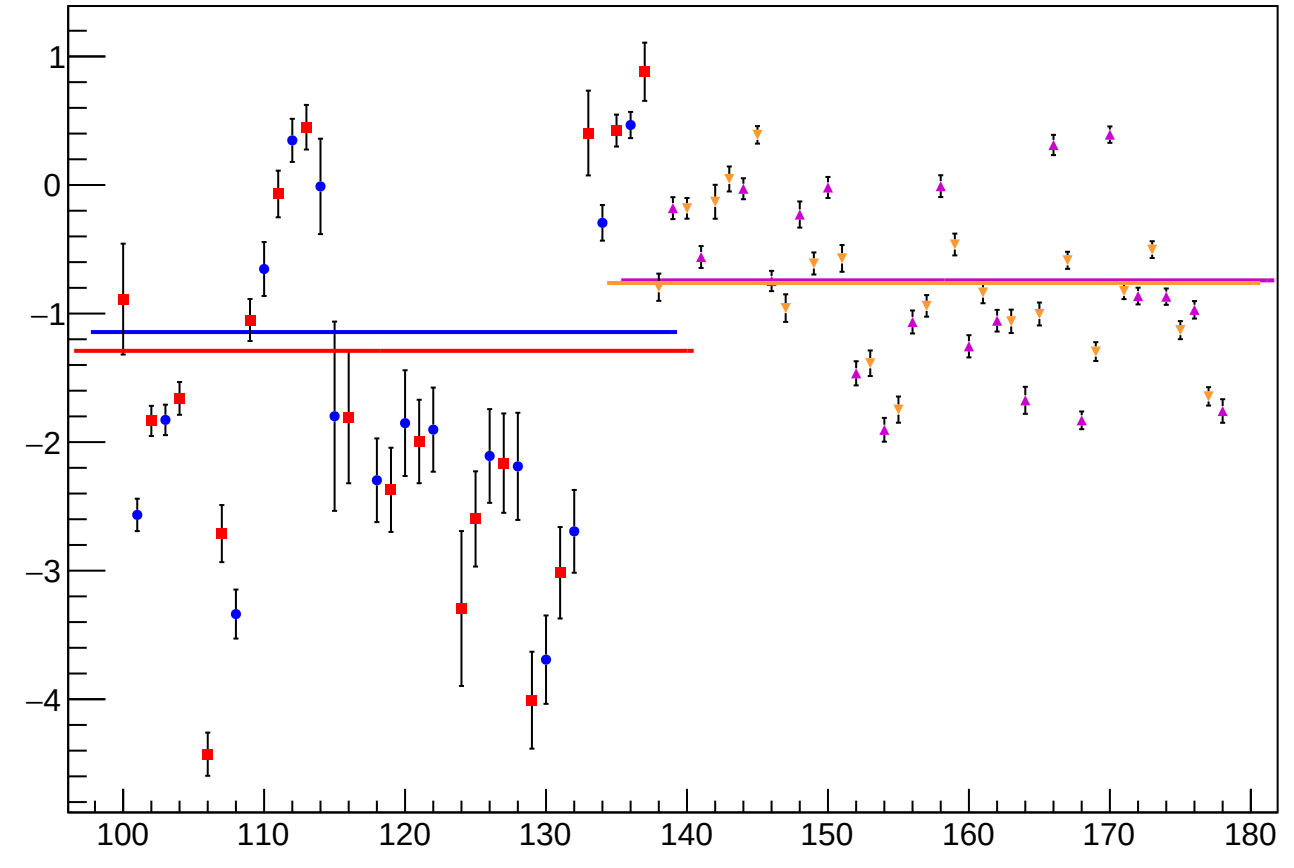
Left: 190.251+/-0.283 χ^2/NDF: 5919.2/40

Right: 183.489+/-0.646 χ^2/NDF: 13837.5/34

In: 188.478+/-0.369 χ^2/NDF:9752.3/35

Out: 189.826+/-0.365 χ^2/NDF:10089.7/39

All: 189.160+/-0.259 χ^2/NDF: 19848.7/75



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: -0.742+/-0.018 χ^2/NDF:1547.2/19

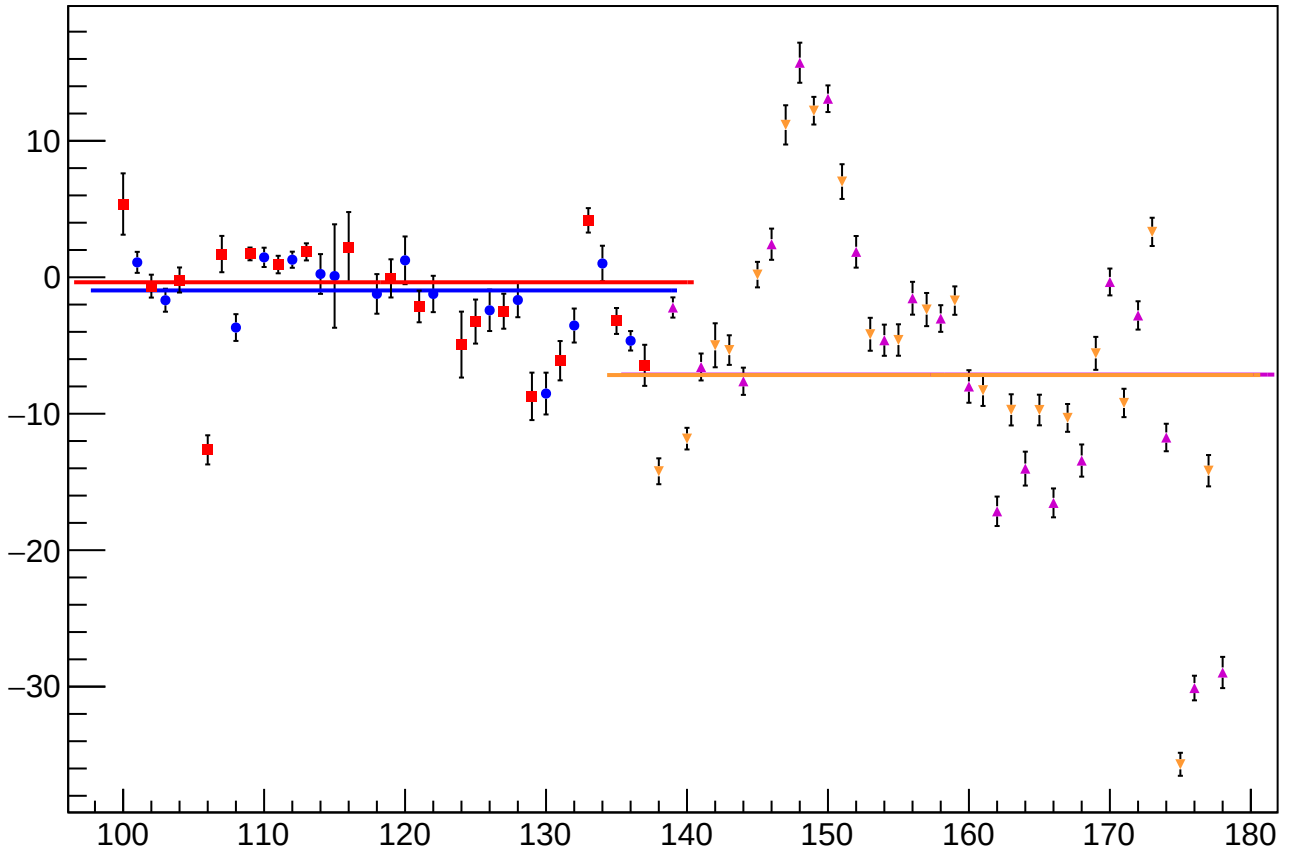
Left: -0.752+/-0.013 χ^2/NDF: 2412.1/40

Right: -1.218+/-0.034 χ^2/NDF: 1790.3/34

In: -0.791+/-0.017 χ^2/NDF:2396.2/35

Out: -0.828+/-0.017 χ^2/NDF:1970.7/39

All: -0.810+/-0.012 χ^2/NDF: 4369.4/75



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: -7.132+/-0.235 χ^2/NDF:2211.2/19

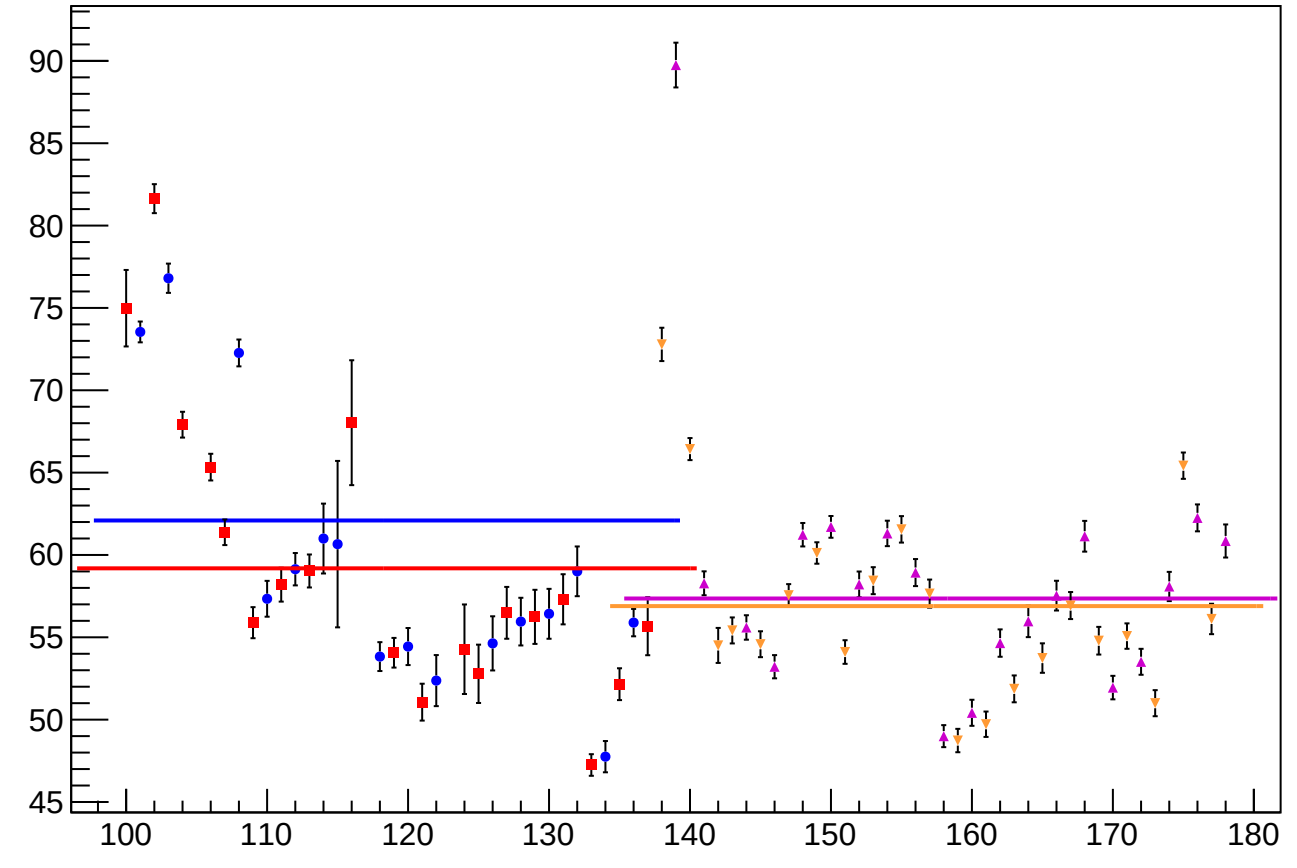
Left: -7.149+/-0.166 χ^2/NDF: 4384.4/40

Right: -0.628+/-0.168 χ^2/NDF: 386.9/34

In: -4.280+/-0.172 χ^2/NDF:2633.5/35

Out: -3.605+/-0.162 χ^2/NDF:2893.9/39

All: -3.922+/-0.118 χ^2/NDF: 5535.5/75



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: 57.356+/-0.178 χ^2/NDF:1106.0/19

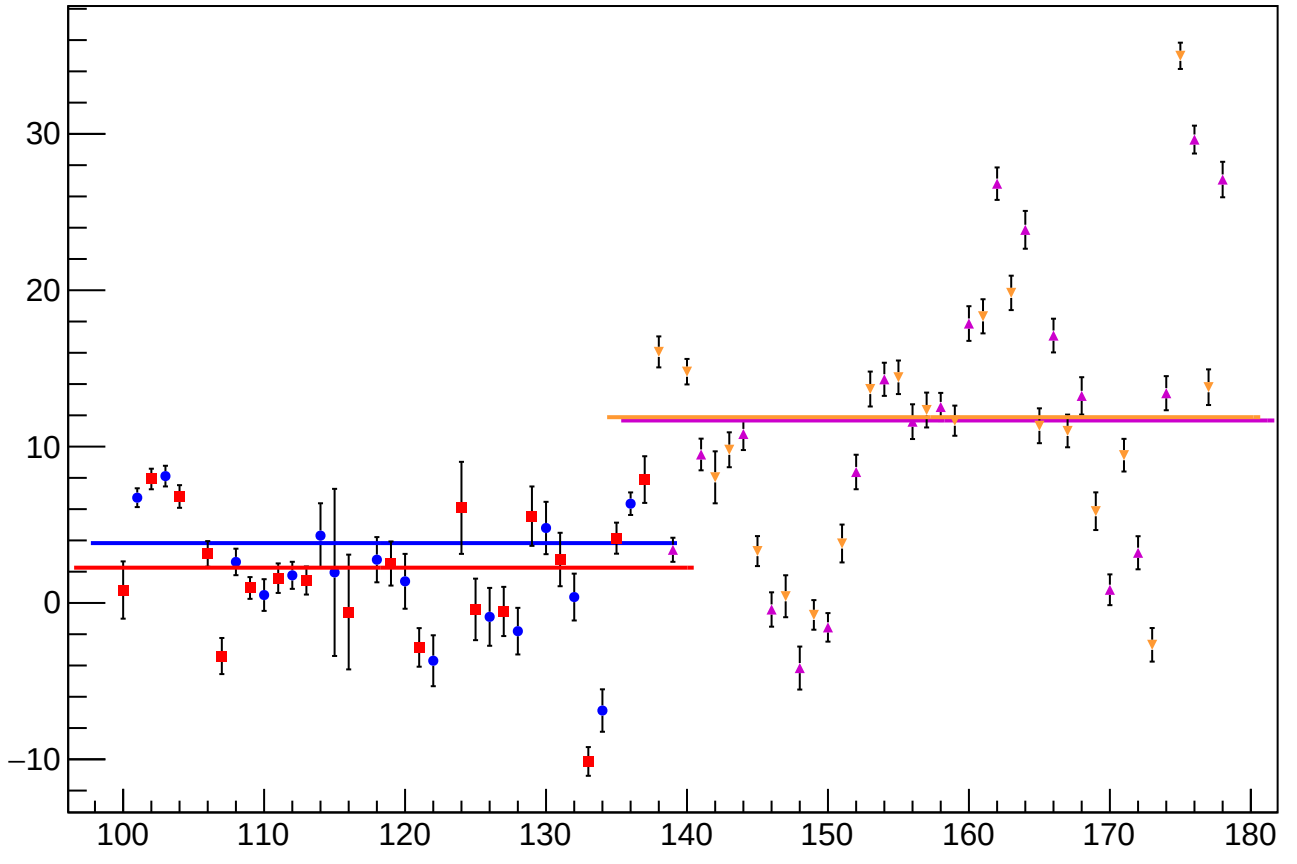
Left: 57.118+/-0.124 χ^2/NDF: 2105.6/40

Right: 60.518+/-0.180 χ^2/NDF: 2768.4/34

In: 58.831+/-0.148 χ^2/NDF:2626.7/35

Out: 57.660+/-0.141 χ^2/NDF:2457.2/39

All: 58.217+/-0.102 χ^2/NDF: 5116.8/75



Right In: 3.828+/-0.265 χ^2/NDF: 208.6/15

Left Out: 11.882+/-0.231 χ^2/NDF:1483.9/20

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

Left In: 11.671+/-0.231 χ^2/NDF:1751.3/19

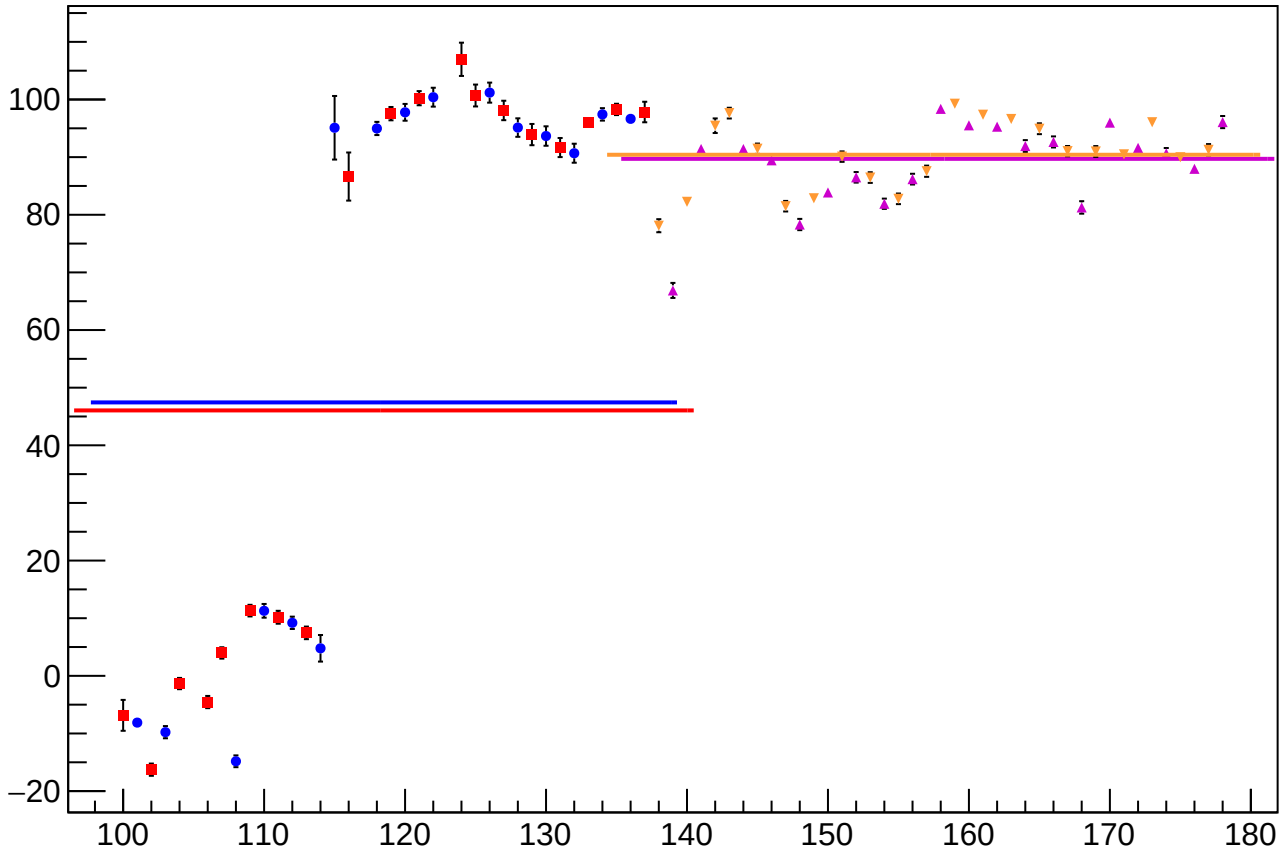
Left: 11.776+/-0.163 χ^2/NDF: 3235.6/40

Right: 2.985+/-0.181 χ^2/NDF: 599.4/34

In: 8.285+/-0.174 χ^2/NDF:2456.7/35

Out: 7.377+/-0.169 χ^2/NDF:2667.2/39

All: 7.816+/-0.121 χ^2/NDF: 5137.8/75



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: 89.704+/-0.200 χ^2/NDF:1039.3/19

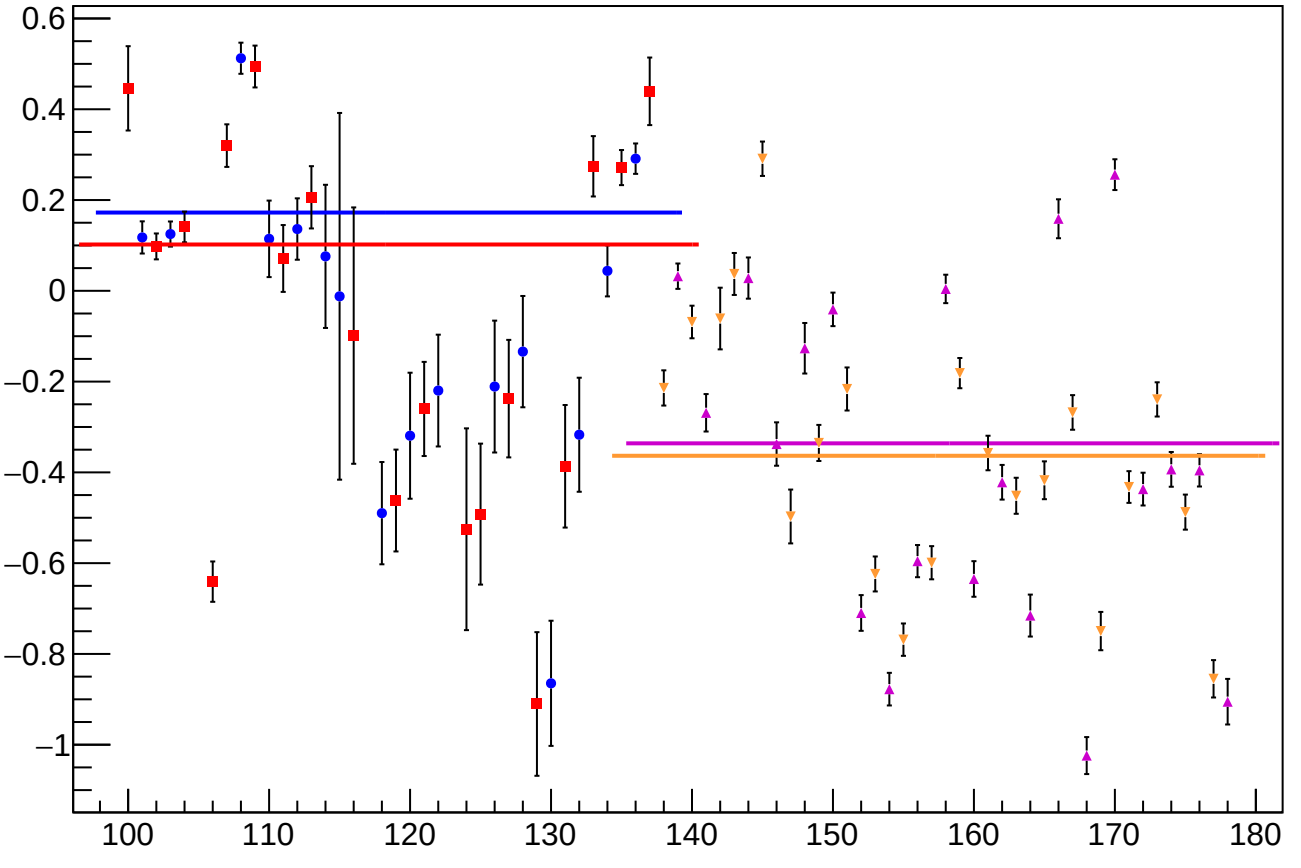
Left: 90.066+/-0.140 χ^2/NDF: 1964.1/40

Right: 46.693+/-0.209 χ^2/NDF: 55795.7/34

In: 77.165+/-0.168 χ^2/NDF:41162.1/35

Out: 76.177+/-0.161 χ^2/NDF:46333.2/39

All: 76.651+/-0.116 χ^2/NDF: 87513.3/75



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: -0.336+/-0.009 χ^2/NDF:1801.7/19

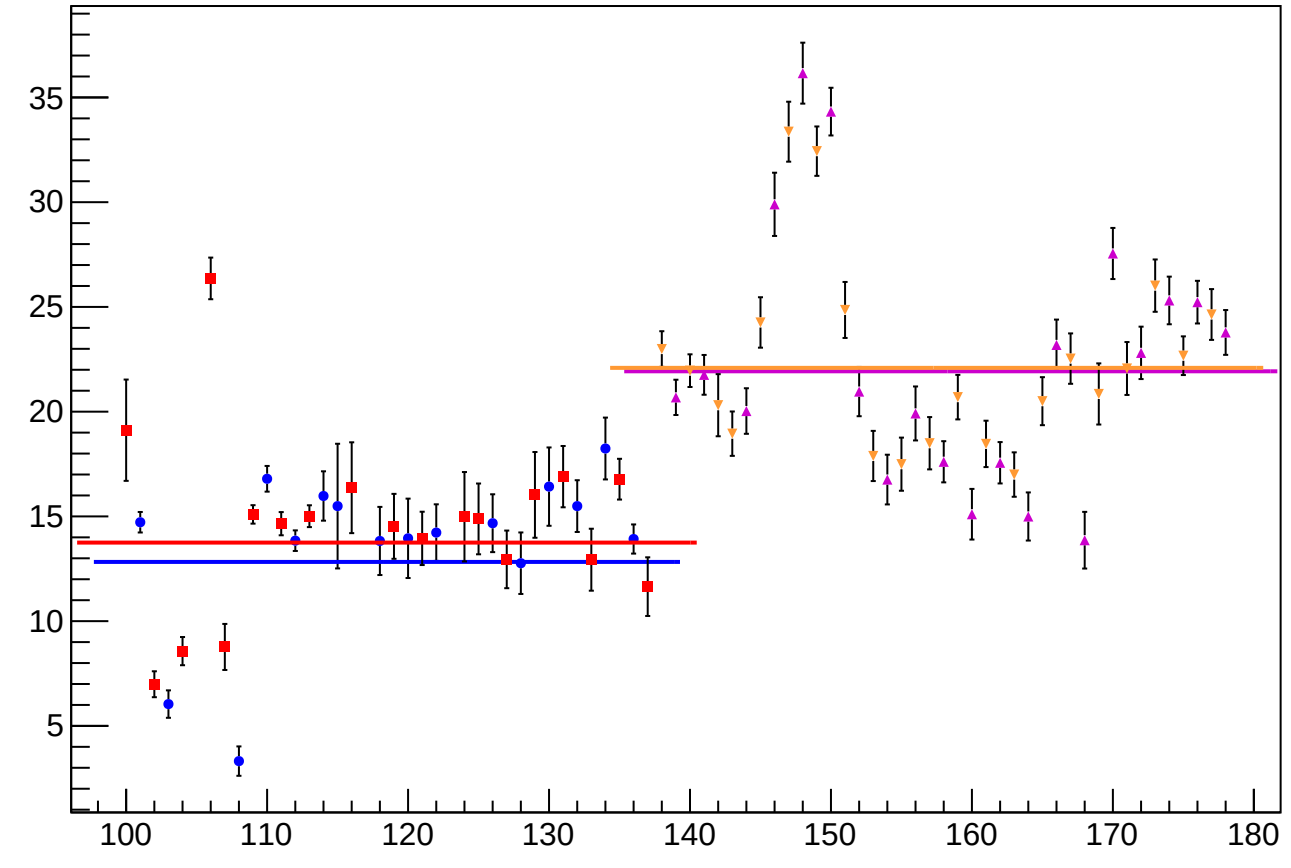
Left: -0.350+/-0.006 χ^2/NDF: 2807.9/40

Right: 0.135+/-0.010 χ^2/NDF: 836.7/34

In: -0.199+/-0.007 χ^2/NDF:3009.7/35

Out: -0.226+/-0.007 χ^2/NDF:2404.5/39

All: -0.213+/-0.005 χ^2/NDF: 5421.2/75



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: 21.927+/-0.252 χ^2/NDF:457.3/19

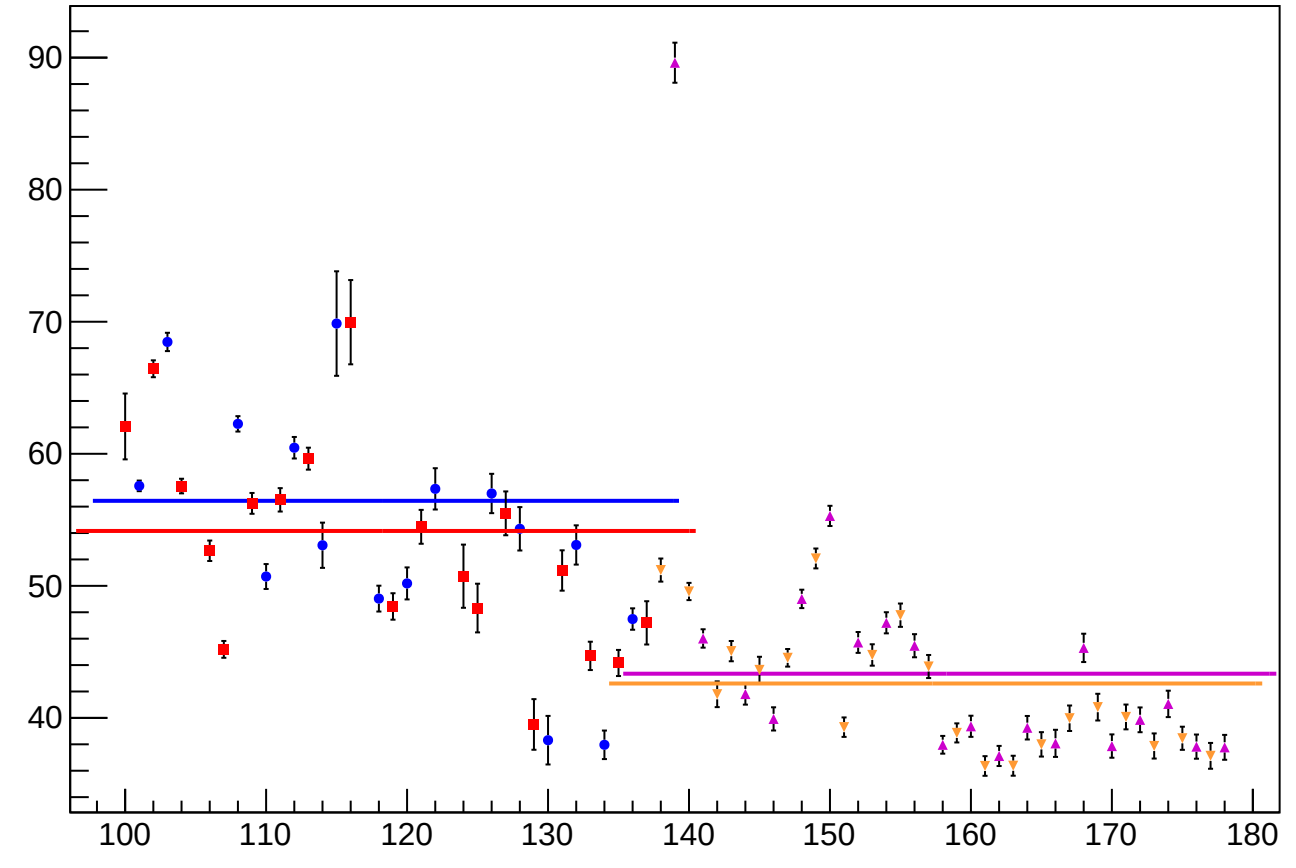
Left: 22.011+/-0.176 χ^2/NDF: 702.3/40

Right: 13.311+/-0.148 χ^2/NDF: 801.7/34

In: 16.640+/-0.163 χ^2/NDF:1602.6/35

Out: 17.139+/-0.157 χ^2/NDF:1327.2/39

All: 16.899+/-0.113 χ^2/NDF: 2934.7/75



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: 43.347+/-0.189 χ^2/NDF:1647.1/19

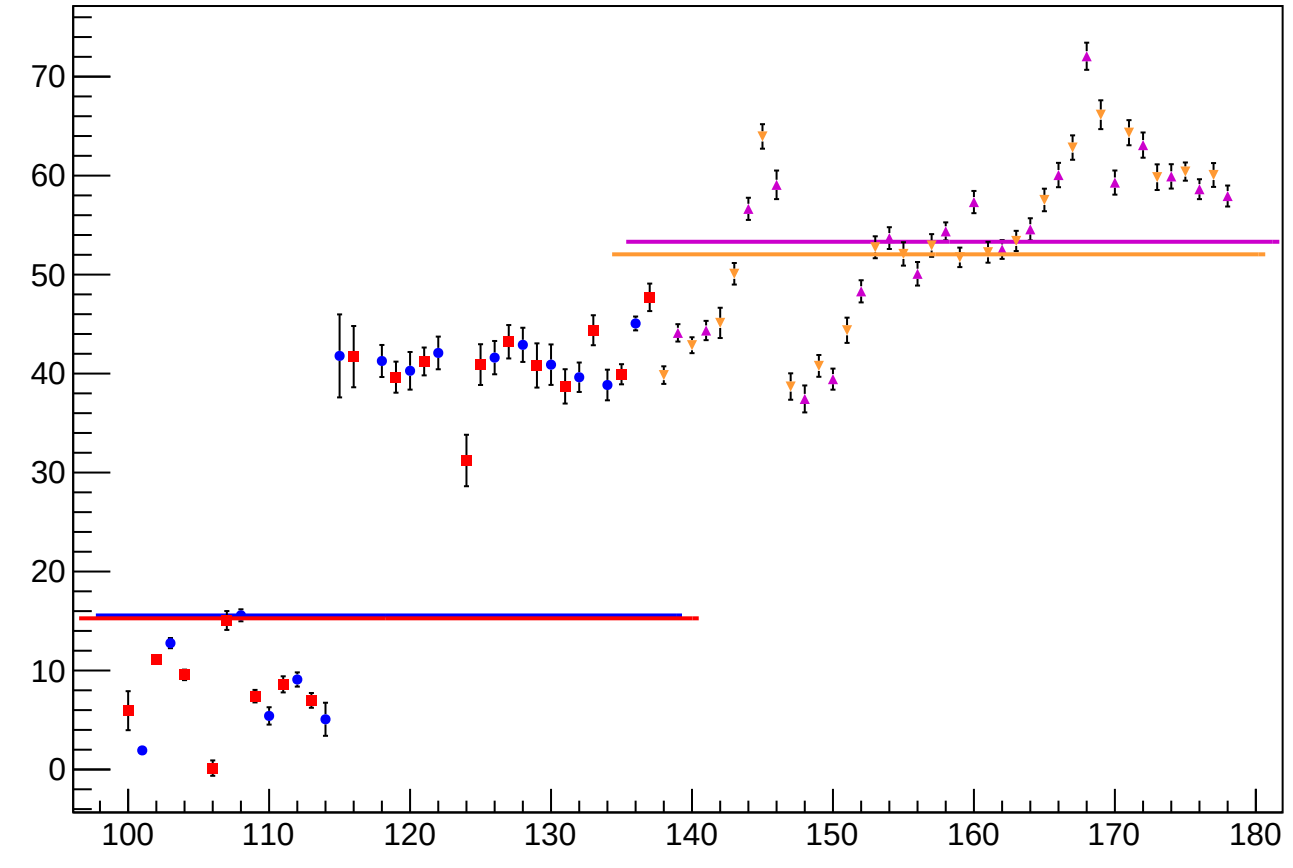
Left: 42.958+/-0.131 χ^2/NDF: 2394.7/40

Right: 55.311+/-0.158 χ^2/NDF: 2146.9/34

In: 48.865+/-0.144 χ^2/NDF:4750.0/35

Out: 47.141+/-0.141 χ^2/NDF:3353.5/39

All: 47.983+/-0.101 χ^2/NDF: 8176.8/75



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: 53.316+/-0.248 χ^2/NDF:944.4/19

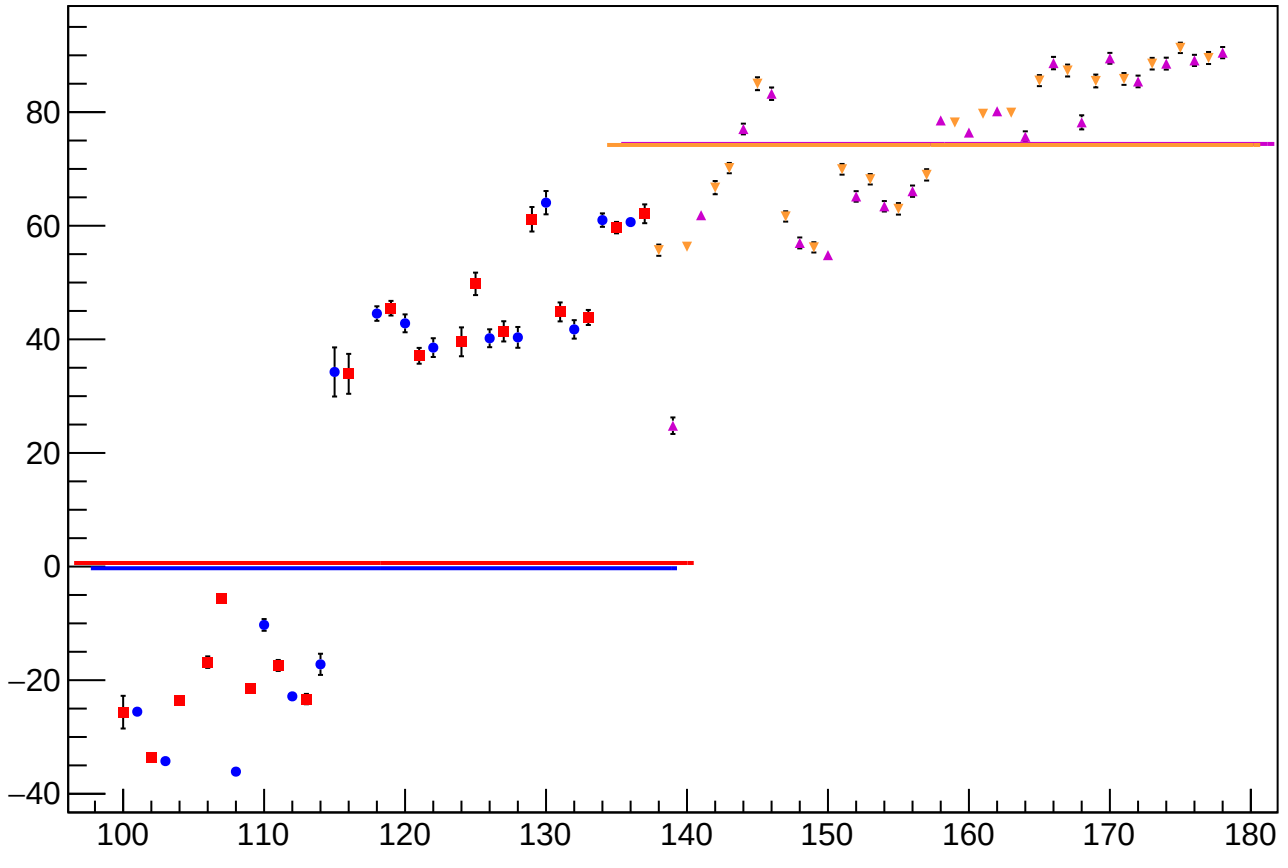
Left: 52.670+/-0.173 χ^2/NDF: 2088.4/40

Right: 15.420+/-0.153 χ^2/NDF: 9050.0/34

In: 31.710+/-0.162 χ^2/NDF:19434.8/35

Out: 31.756+/-0.163 χ^2/NDF:17628.2/39

All: 31.733+/-0.115 χ^2/NDF: 37063.0/75



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: 74.401+/-0.213 χ^2/NDF:3898.6/19

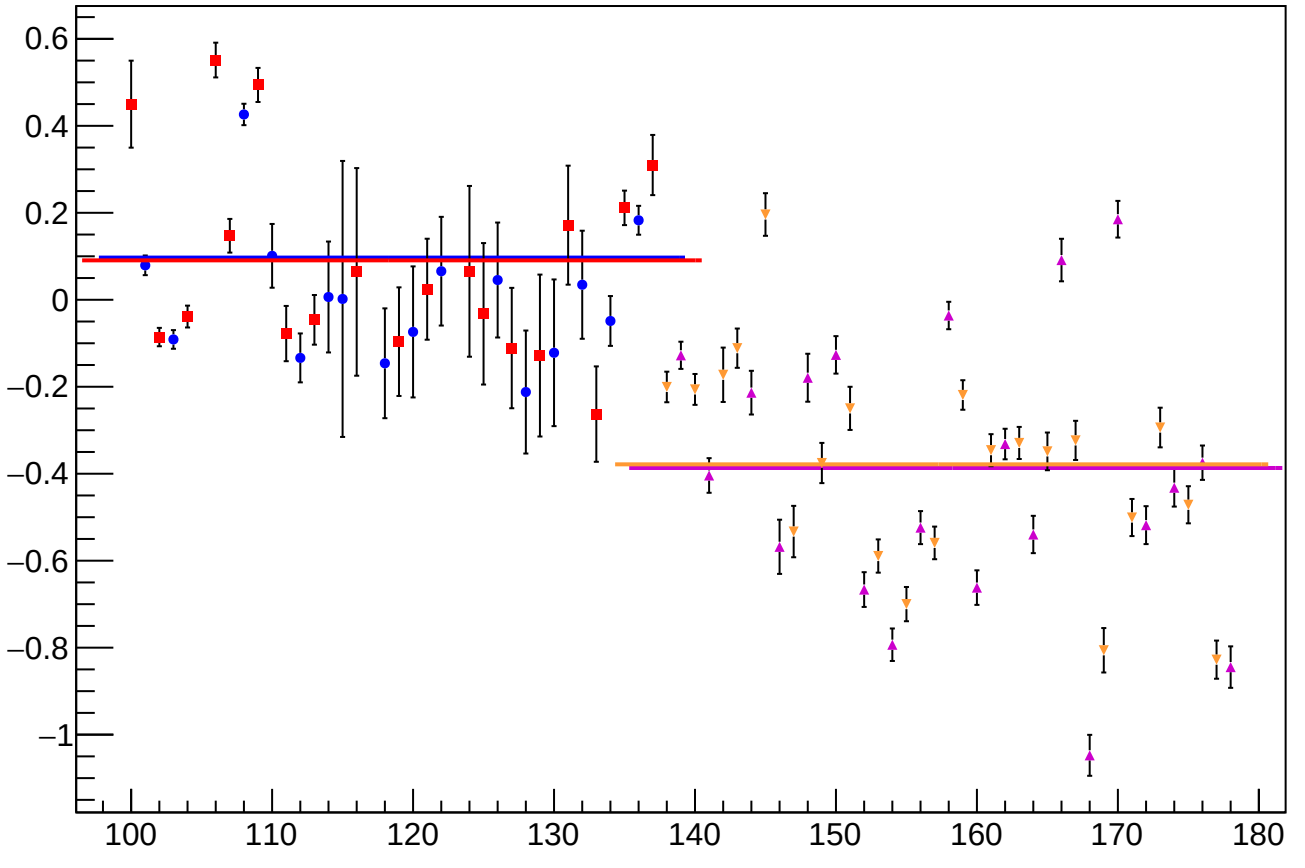
Left: 74.308+/-0.148 χ^2/NDF: 7122.9/40

Right: 0.165+/-0.186 χ^2/NDF: 37065.2/34

In: 44.667+/-0.165 χ^2/NDF:74082.8/35

Out: 46.447+/-0.162 χ^2/NDF:67767.6/39

All: 45.573+/-0.116 χ^2/NDF: 141909.7/75



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: -0.387+/-0.009 χ^2/NDF:1086.0/19

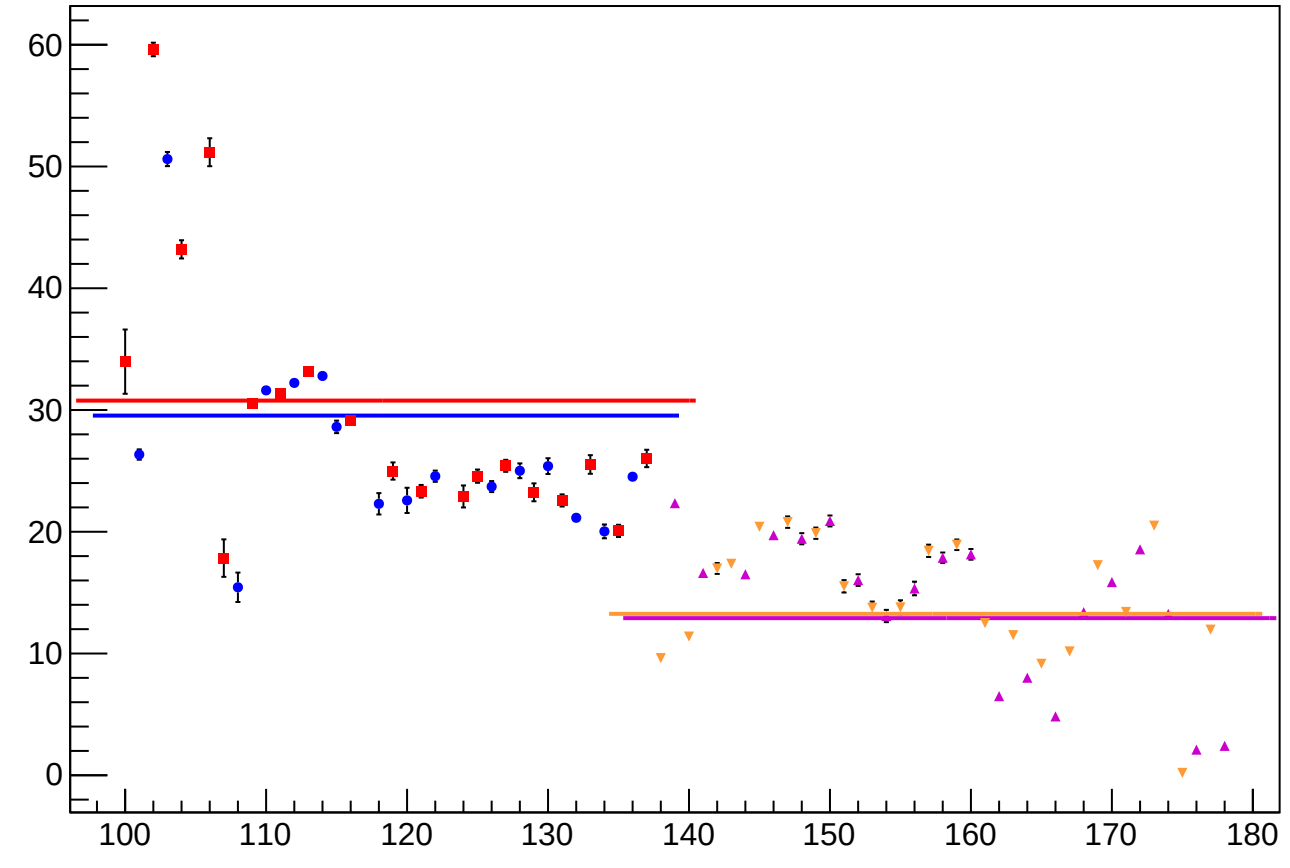
Left: -0.383+/-0.007 χ^2/NDF: 1670.5/40

Right: 0.094+/-0.008 χ^2/NDF: 698.7/34

In: -0.192+/-0.007 χ^2/NDF:2495.6/35

Out: -0.193+/-0.007 χ^2/NDF:2009.3/39

All: -0.193+/-0.005 χ^2/NDF: 4504.9/75



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: 12.905+/-0.077 χ^2/NDF:6989.7/19

Left: 13.081+/-0.054 χ^2/NDF: 12810.0/40

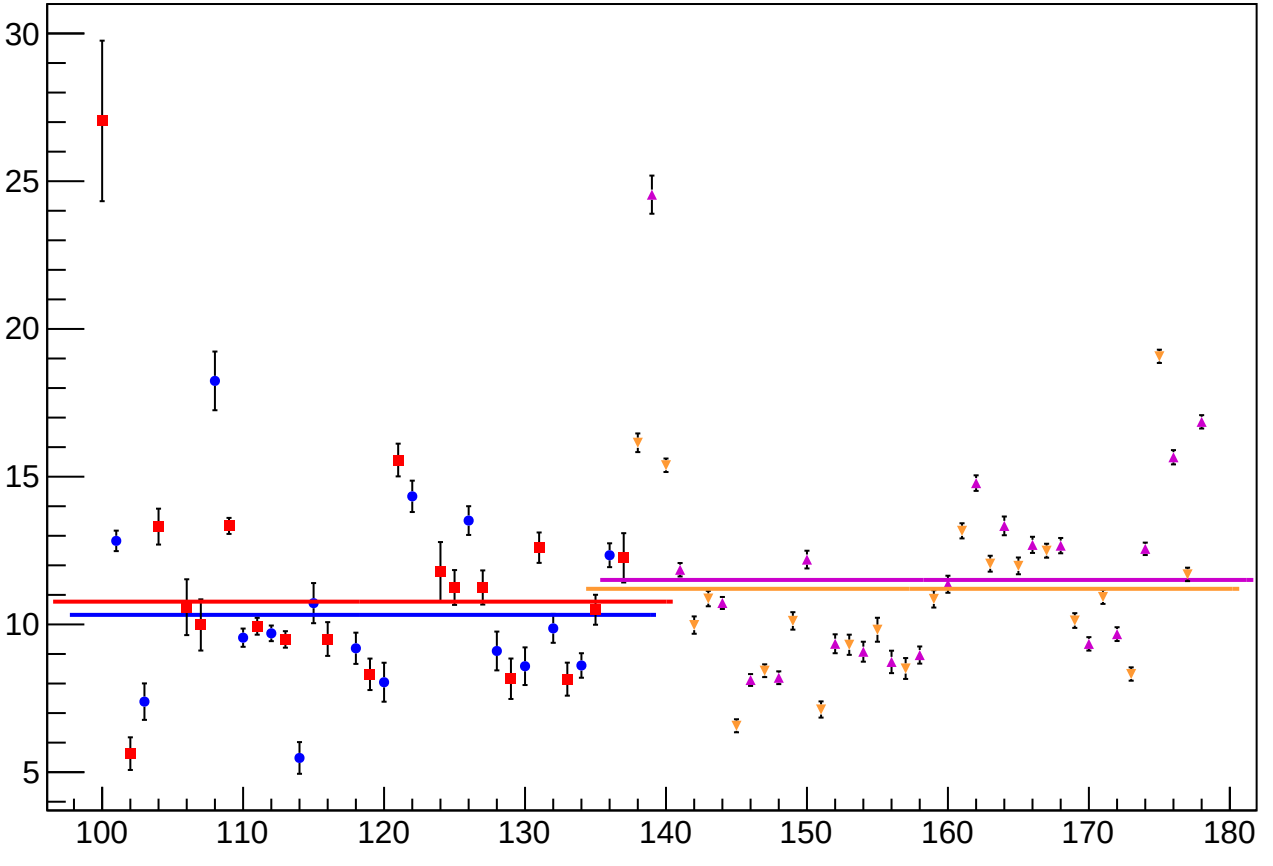
Right: 30.242+/-0.060 χ^2/NDF: 8553.4/34

In: 19.720+/-0.059 χ^2/NDF:29685.5/35

Out: 21.660+/-0.056 χ^2/NDF:35736.1/39

All: 20.747+/-0.040 χ^2/NDF: 65996.7/75

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 11.506+/-0.058 χ^2/NDF:2435.2/19

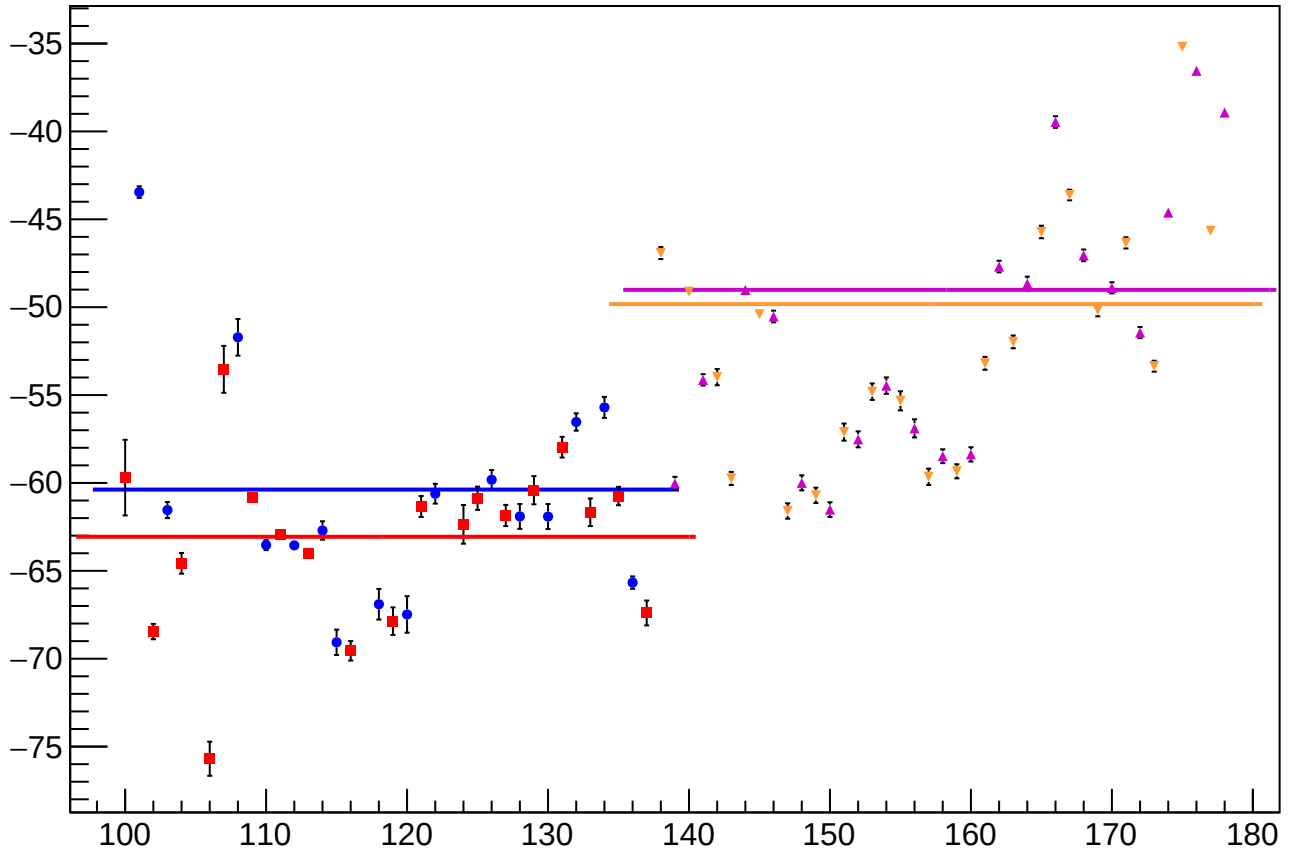
Left: 11.354+/-0.040 χ^2/NDF: 5511.2/40

Right: 10.550+/-0.080 χ^2/NDF: 826.2/34

In: 11.266+/-0.051 χ^2/NDF:2923.6/35

Out: 11.117+/-0.051 χ^2/NDF:3489.7/39

All: 11.191+/-0.036 χ^2/NDF: 6417.6/75



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: -49.013+/-0.076 χ^2/NDF:9432.8/19

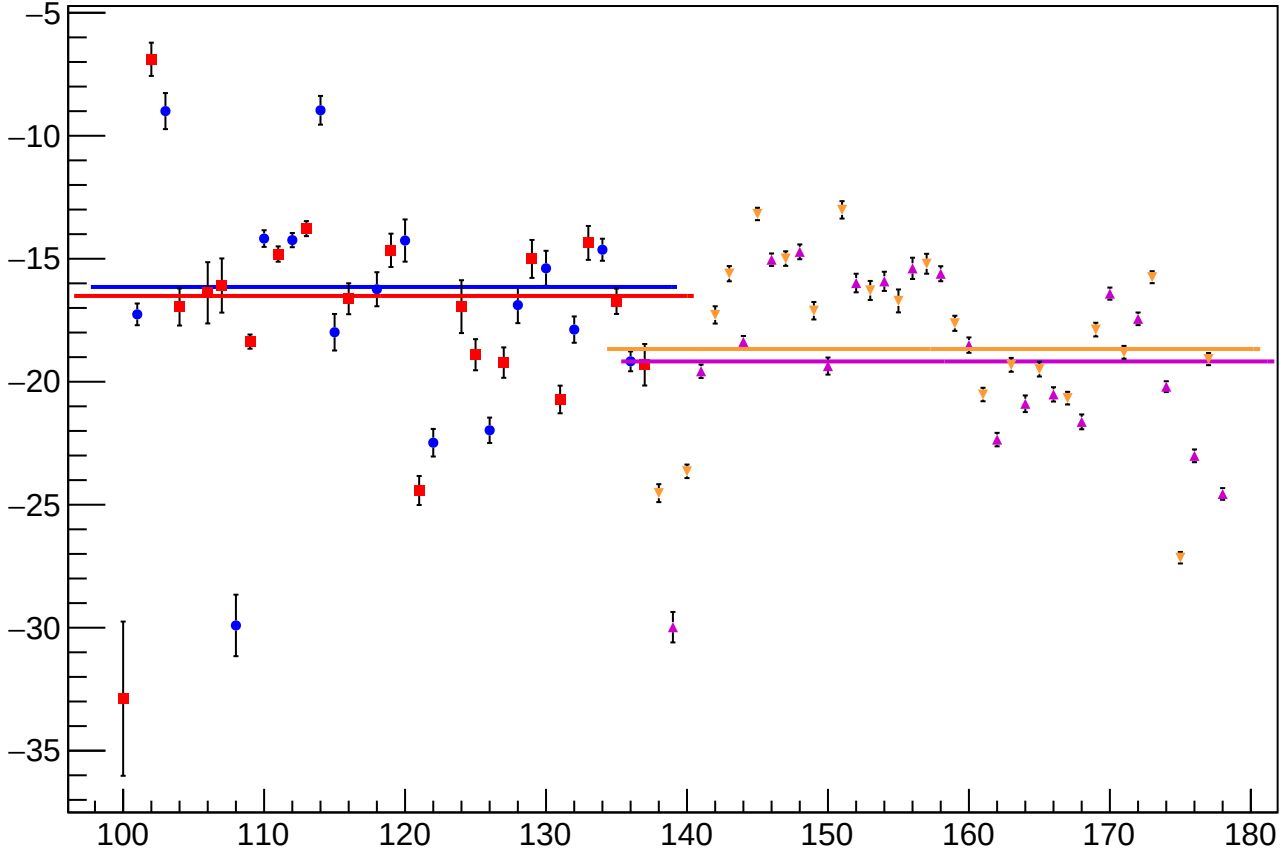
Left: -49.416+/-0.054 χ^2/NDF: 18035.4/40

Right: -61.789+/-0.078 χ^2/NDF: 4738.4/34

In: -52.566+/-0.063 χ^2/NDF:19981.8/35

Out: -54.298+/-0.062 χ^2/NDF:19474.9/39

All: -53.444+/-0.044 χ^2/NDF: 39837.5/75



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: -19.175+/-0.065 χ^2/NDF:2333.5/19

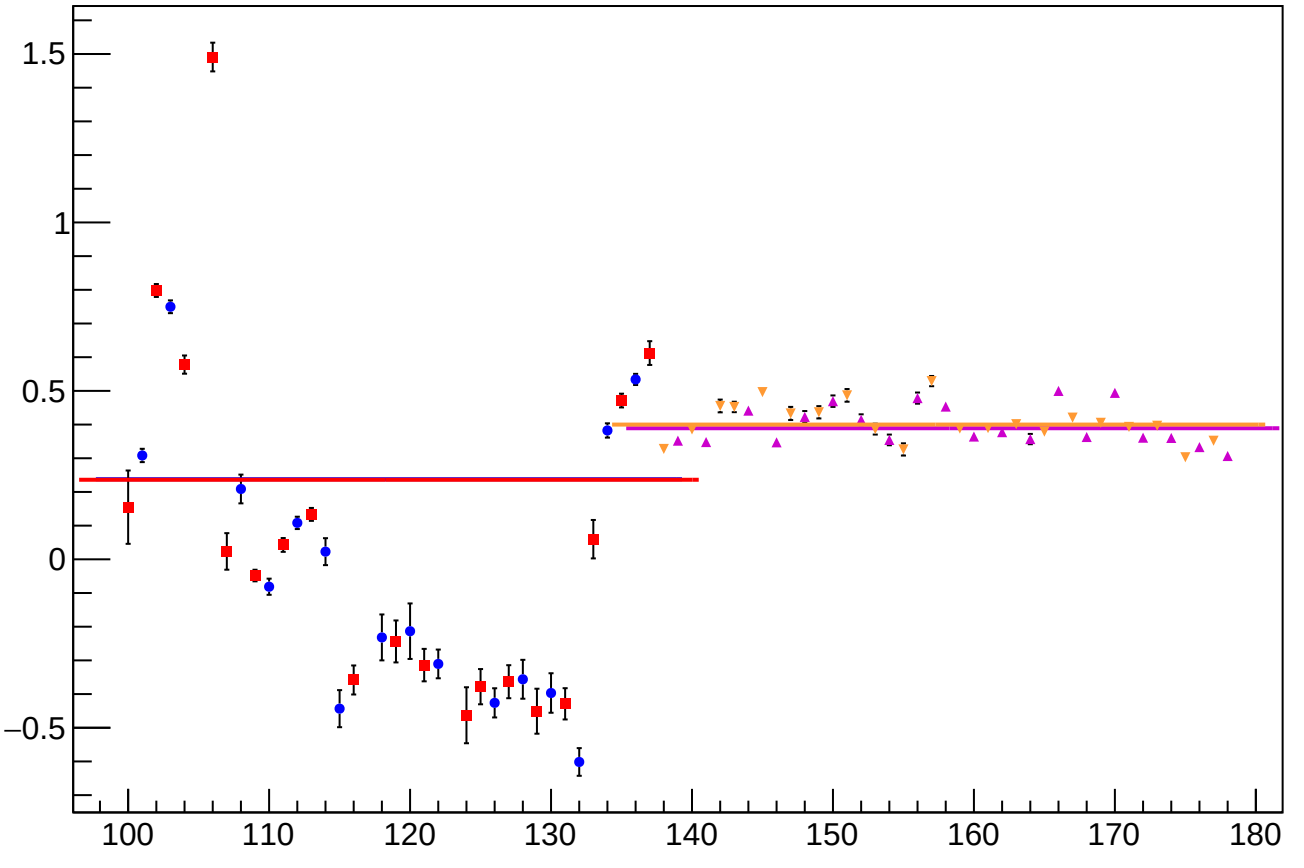
Left: -18.920+/-0.046 χ^2/NDF: 5683.0/40

Right: -16.333+/-0.089 χ^2/NDF: 1486.0/34

In: -18.550+/-0.058 χ^2/NDF:3580.5/35

Out: -18.214+/-0.057 χ^2/NDF:4239.8/39

All: -18.380+/-0.041 χ^2/NDF: 7837.3/75



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: 0.389+/-0.003 χ^2/NDF:400.0/19

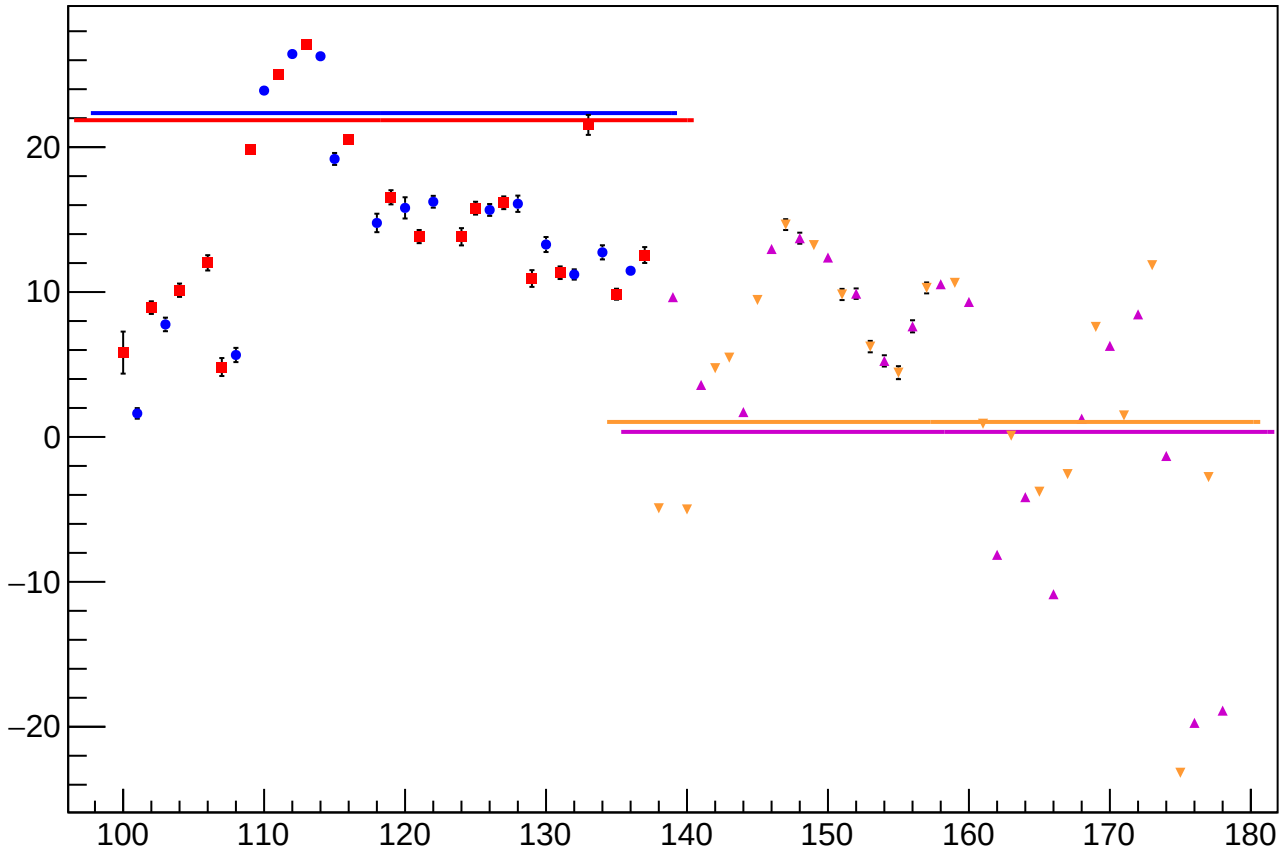
Left: 0.394+/-0.002 χ^2/NDF: 757.5/40

Right: 0.237+/-0.005 χ^2/NDF: 6227.9/34

In: 0.367+/-0.003 χ^2/NDF:3426.4/35

Out: 0.376+/-0.003 χ^2/NDF:4402.2/39

All: 0.372+/-0.002 χ^2/NDF: 7834.1/75



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: 0.349+/-0.064 χ^2/NDF:25721.0/19

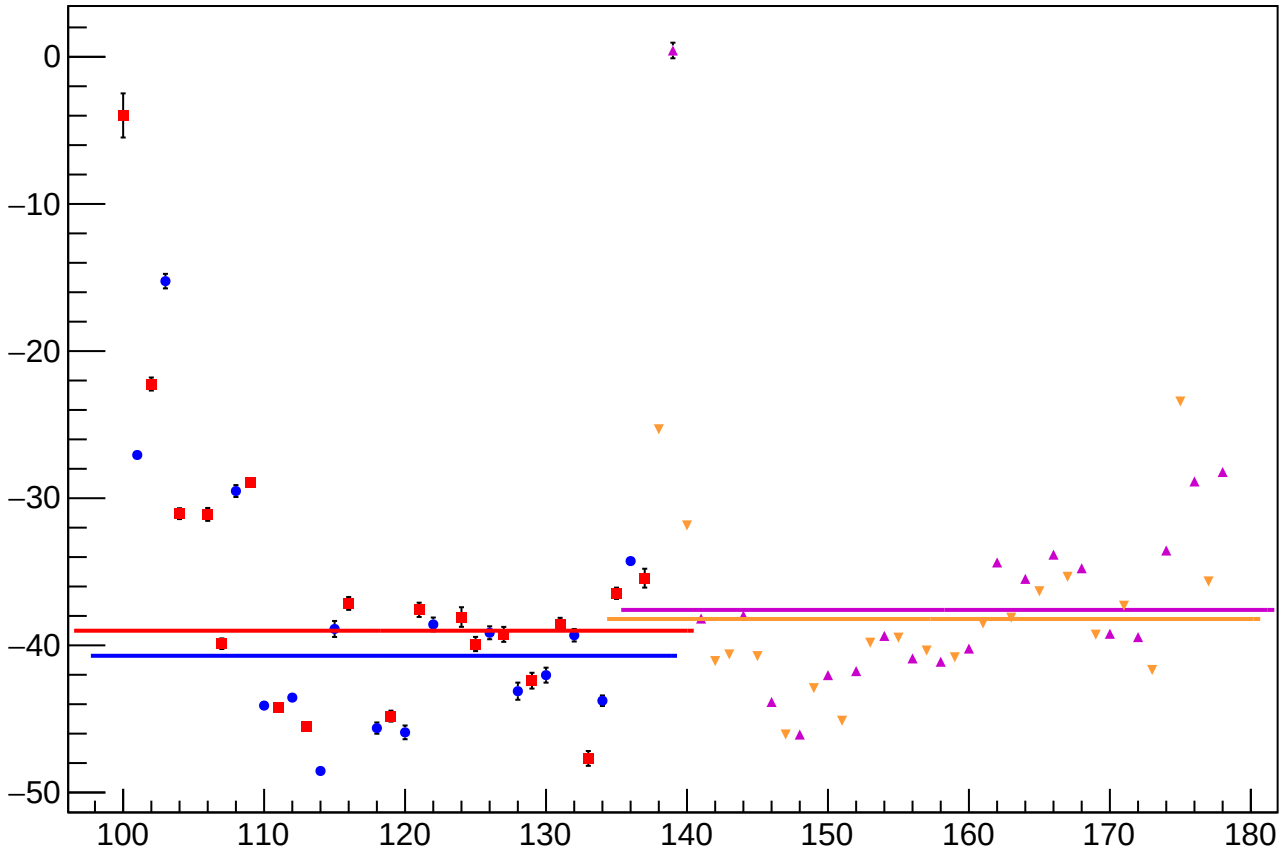
Left: 0.699+/-0.045 χ^2/NDF: 49623.5/40

Right: 22.056+/-0.036 χ^2/NDF: 23074.3/34

In: 12.690+/-0.042 χ^2/NDF:104509.8/35

Out: 14.518+/-0.037 χ^2/NDF:105878.8/39

All: 13.721+/-0.028 χ^2/NDF: 211439.9/75



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: -37.590+/-0.048 χ^2/NDF:14746.6/19

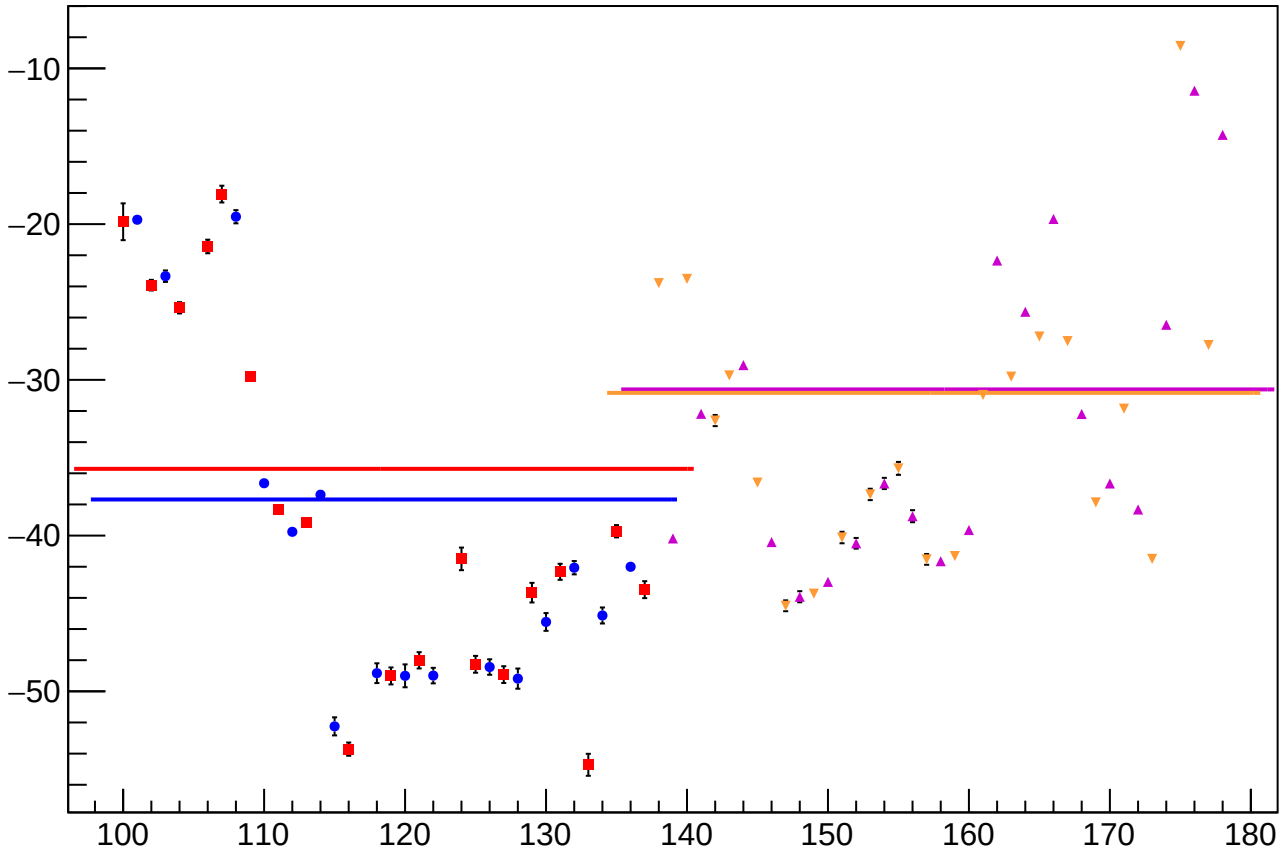
Left: -37.911+/-0.033 χ^2/NDF: 29279.3/40

Right: -39.794+/-0.052 χ^2/NDF: 18148.1/34

In: -38.469+/-0.041 χ^2/NDF:23720.7/35

Out: -38.443+/-0.039 χ^2/NDF:24636.6/39

All: -38.456+/-0.028 χ^2/NDF: 48357.6/75



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: -30.614+/-0.063 χ^2/NDF:24268.8/19

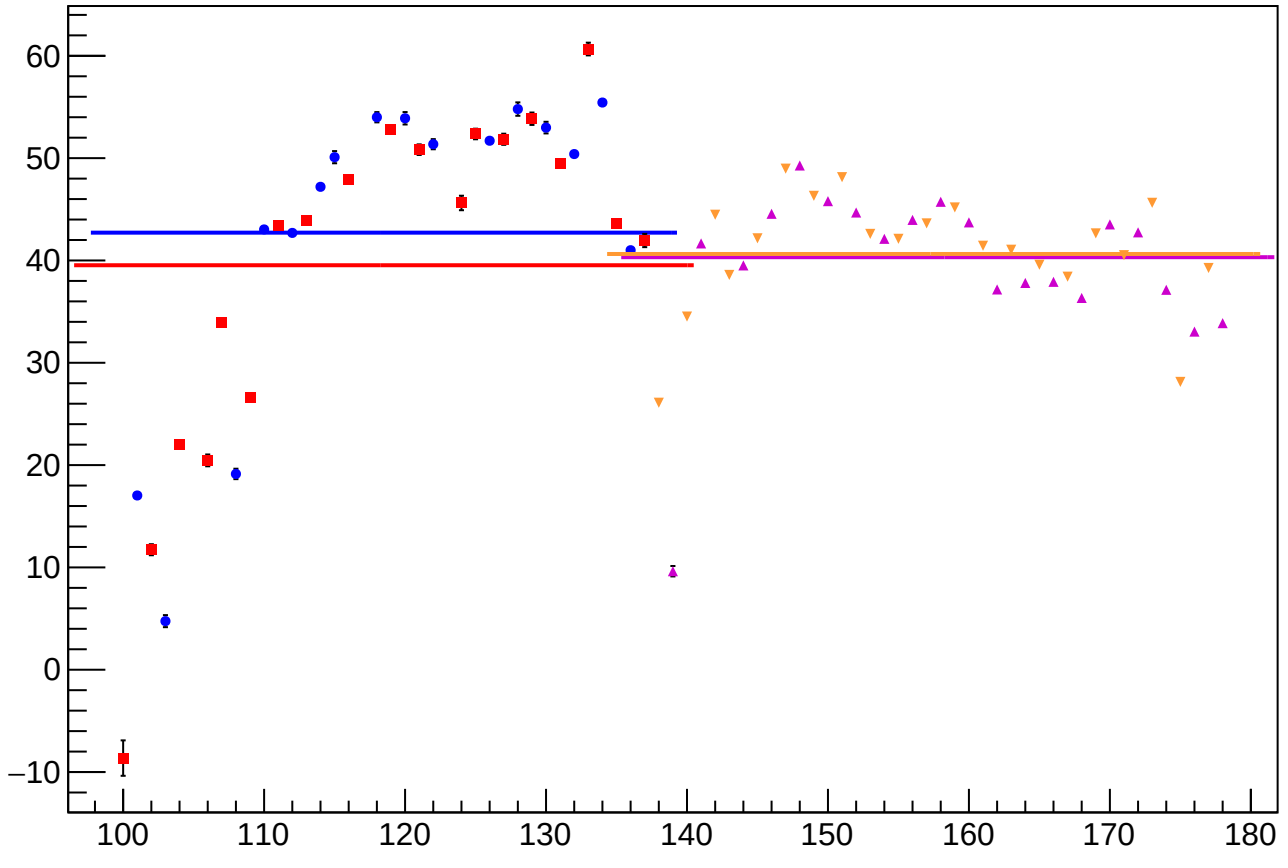
Left: -30.727+/-0.044 χ^2/NDF: 46654.7/40

Right: -36.564+/-0.048 χ^2/NDF: 24532.6/34

In: -33.619+/-0.048 χ^2/NDF:40401.5/35

Out: -33.198+/-0.045 χ^2/NDF:38620.2/39

All: -33.393+/-0.033 χ^2/NDF: 79062.7/75



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: 40.319+/-0.054 χ^2/NDF:9952.6/19

Left: 40.481+/-0.038 χ^2/NDF: 20927.2/40

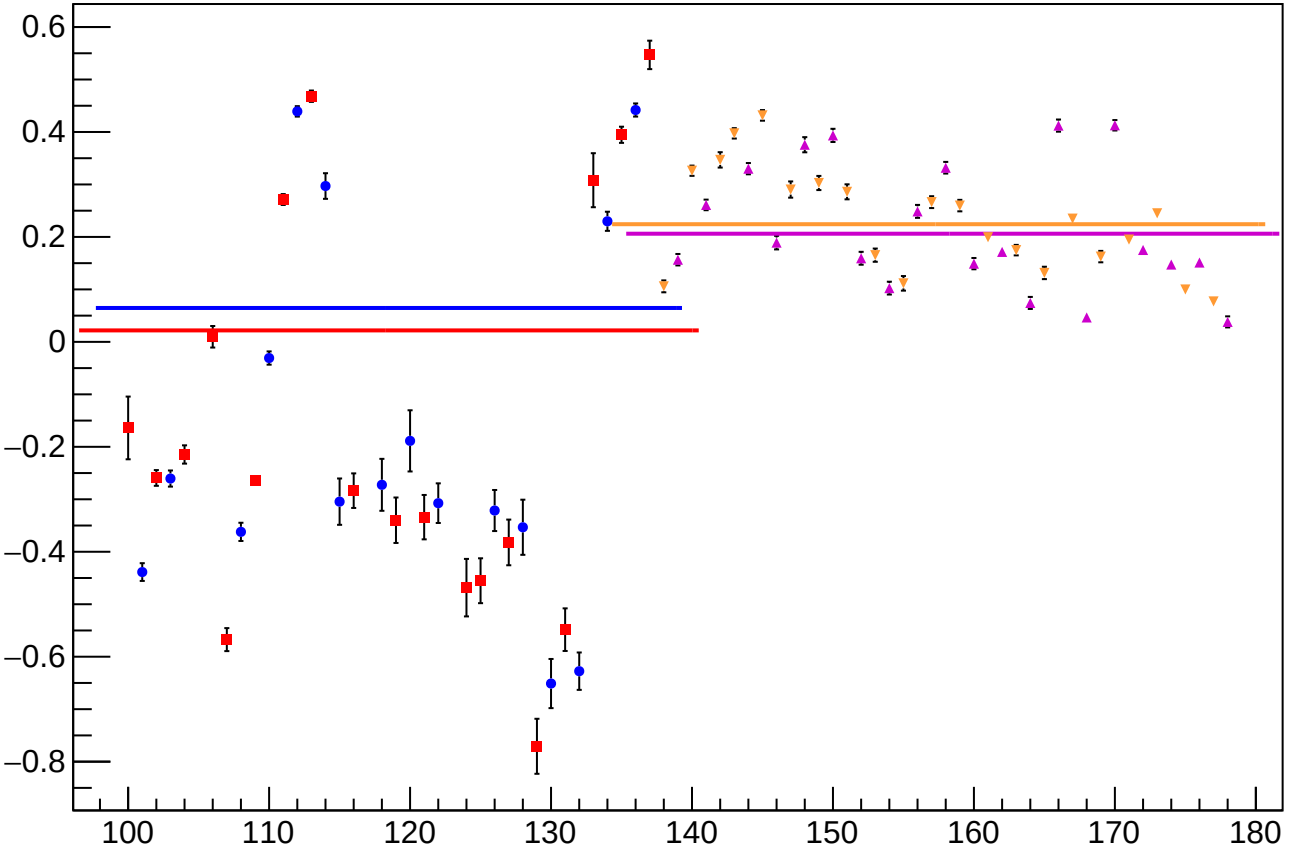
Right: 40.991+/-0.058 χ^2/NDF: 33503.2/34

In: 41.007+/-0.046 χ^2/NDF:25284.8/35

Out: 40.293+/-0.043 χ^2/NDF:29072.1/39

All: 40.633+/-0.031 χ^2/NDF: 54485.6/75

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.224+/-0.002 χ^2/NDF:1781.7/20

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

Left In: 0.206+/-0.002 χ^2/NDF:2318.2/19

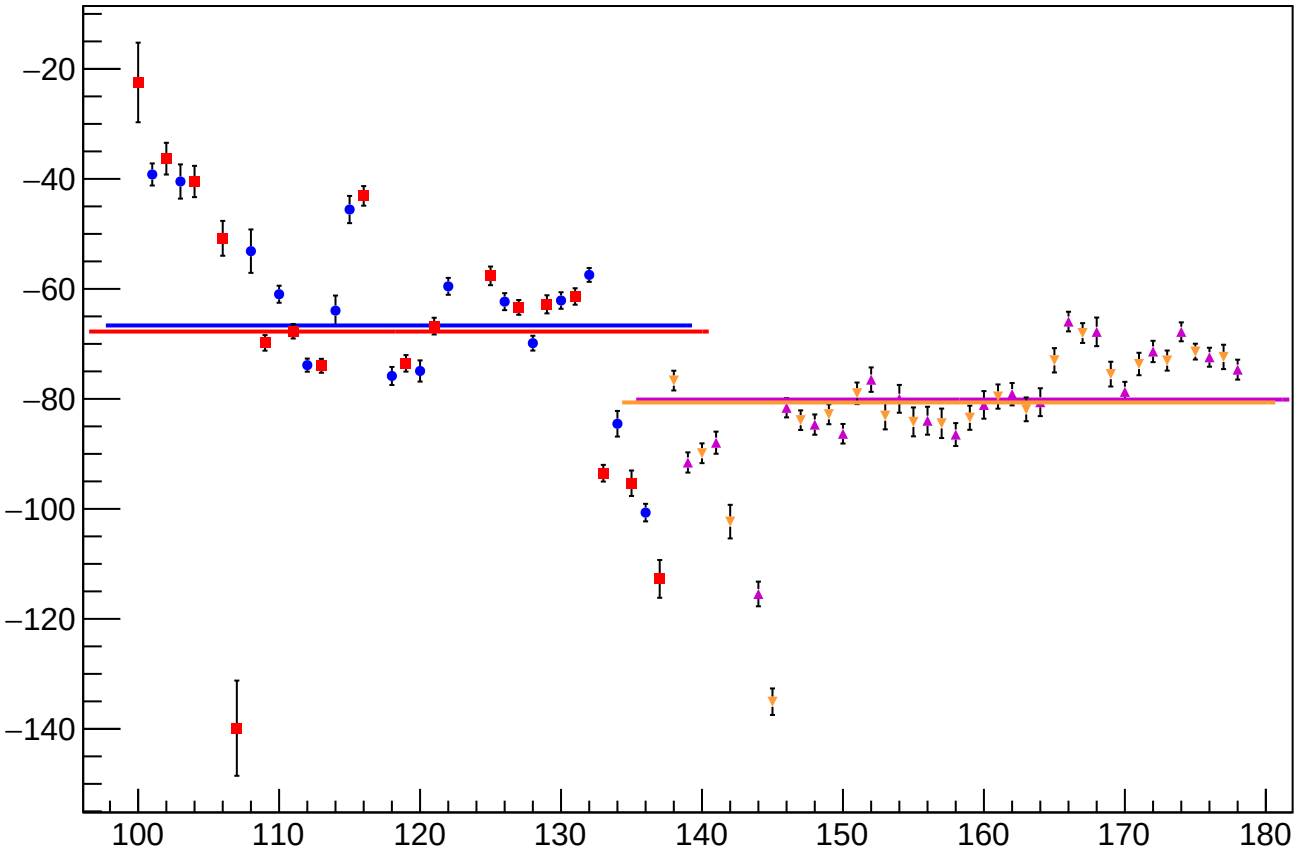
Left: 0.215+/-0.002 χ^2/NDF: 4129.0/40

Right: 0.041+/-0.003 χ^2/NDF: 11945.6/34

In: 0.178+/-0.002 χ^2/NDF:8502.7/35

Out: 0.179+/-0.002 χ^2/NDF:9835.6/39

All: 0.178+/-0.001 χ^2/NDF: 18338.3/75



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: -80.123+/-0.448 χ^2/NDF:522.5/19

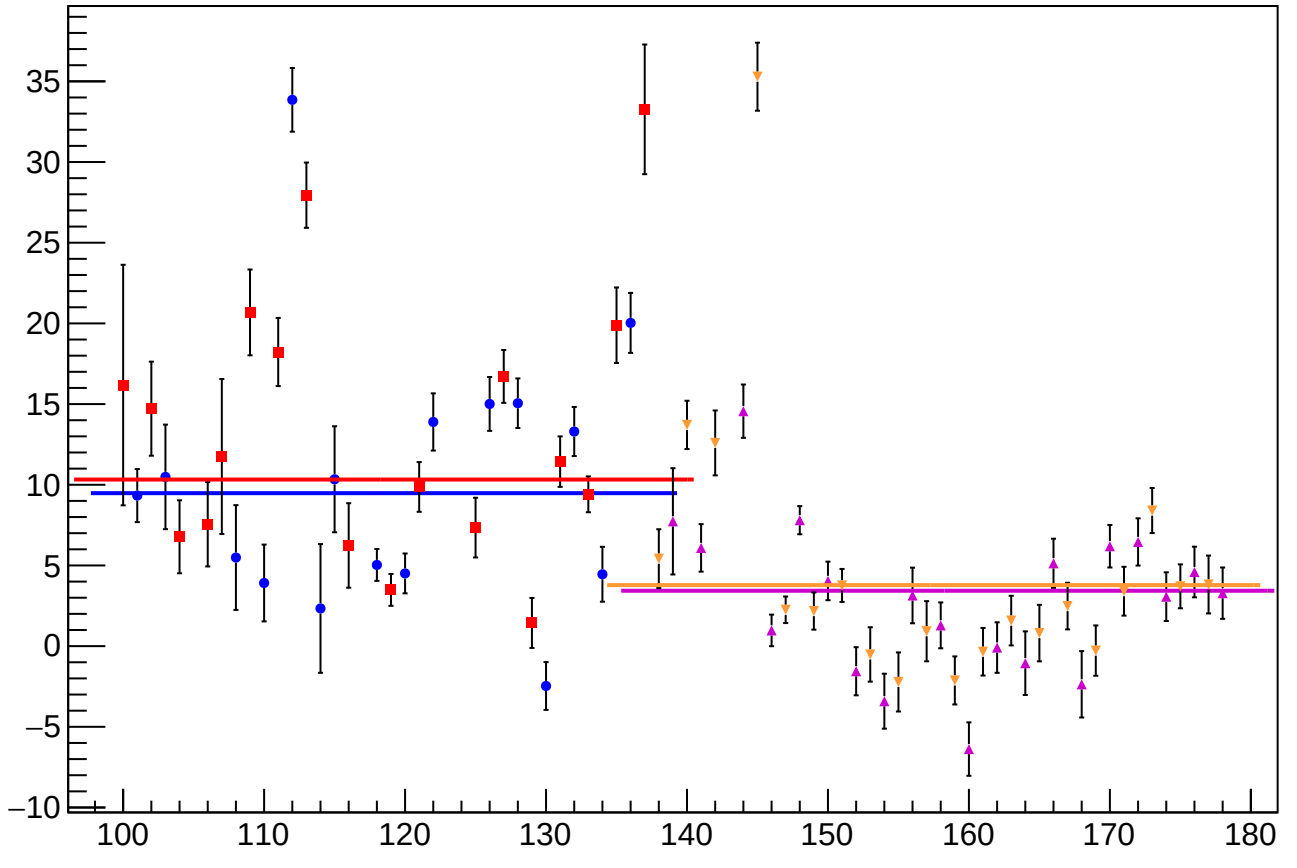
Left: -80.379+/-0.320 χ^2/NDF: 1277.1/39

Right: -67.210+/-0.299 χ^2/NDF: 2311.2/33

In: -73.050+/-0.309 χ^2/NDF:2050.1/35

Out: -73.648+/-0.309 χ^2/NDF:2441.1/37

All: -73.349+/-0.218 χ^2/NDF: 4493.0/73



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: 3.432+/-0.323 χ^2/NDF:175.6/19

Left: 3.608+/-0.228 χ^2/NDF: 535.6/39

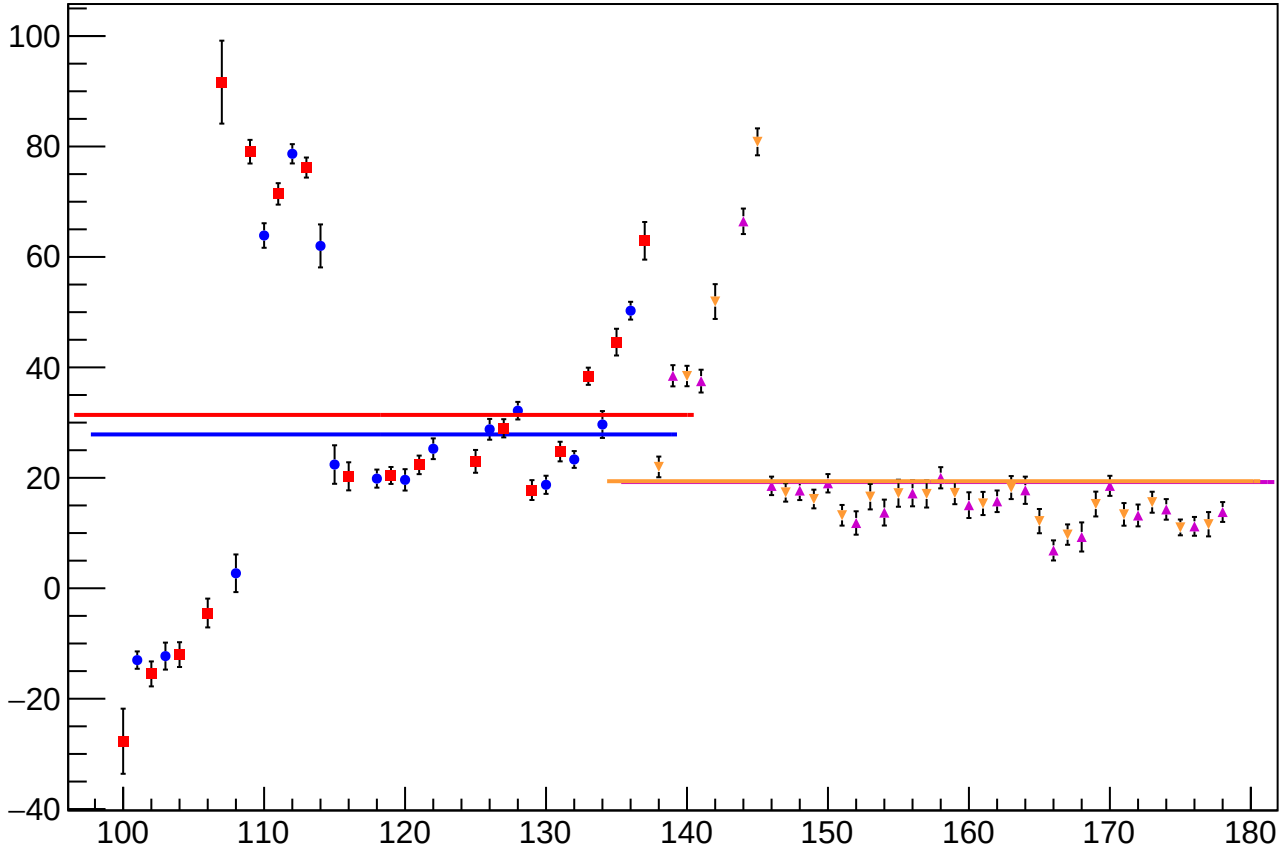
Right: 9.895+/-0.305 χ^2/NDF: 607.3/33

In: 5.625+/-0.258 χ^2/NDF:644.7/35

Out: 6.086+/-0.258 χ^2/NDF:769.0/37

All: 5.855+/-0.183 χ^2/NDF: 1415.3/73

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: 19.236+/-0.440 χ^2/NDF:732.0/19

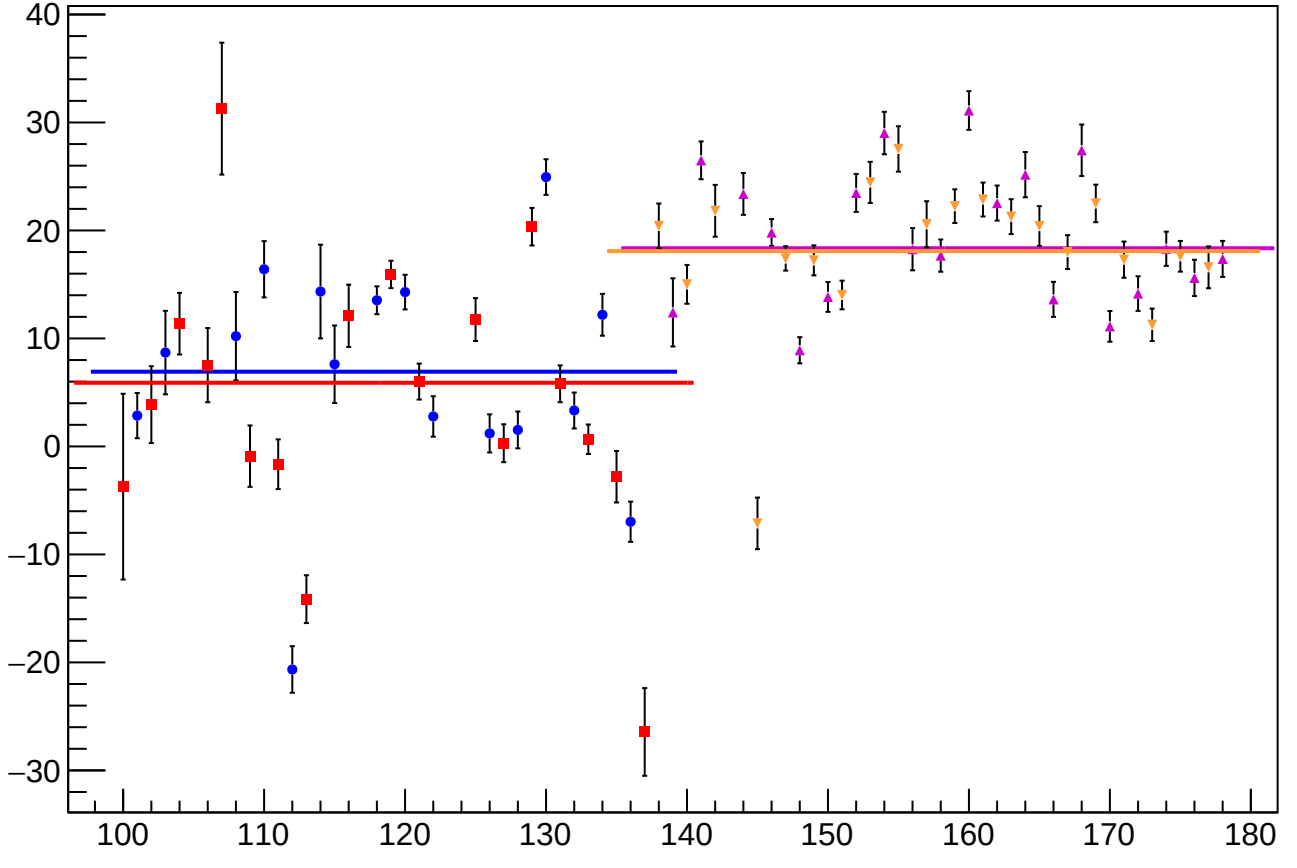
Left: 19.310+/-0.314 χ^2/NDF: 1706.1/39

Right: 29.608+/-0.343 χ^2/NDF: 5511.9/33

In: 23.154+/-0.325 χ^2/NDF:3380.4/35

Out: 24.891+/-0.330 χ^2/NDF:4313.9/37

All: 24.009+/-0.232 χ^2/NDF: 7708.3/73



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: 18.351+/-0.370 χ^2/NDF:269.3/19

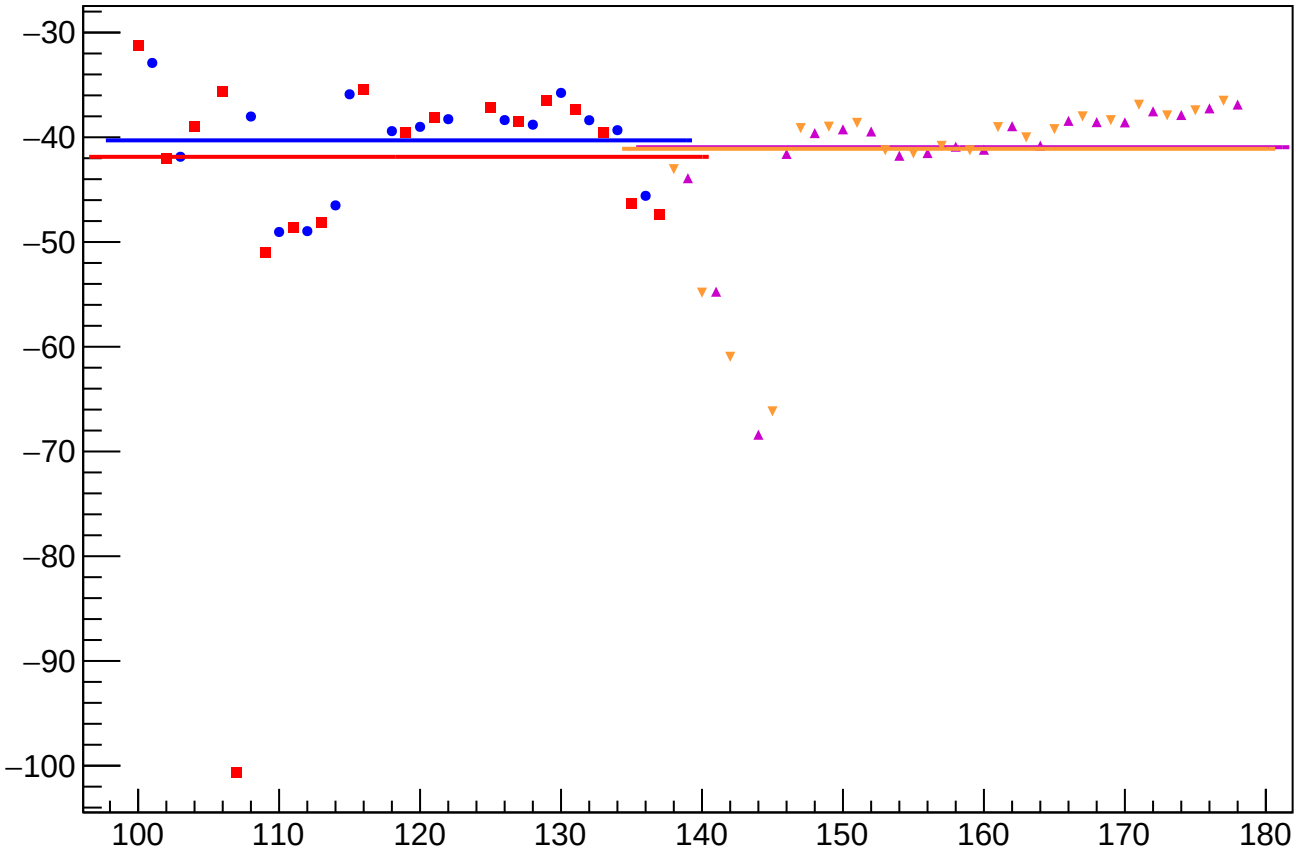
Left: 18.220+/-0.262 χ^2/NDF: 480.3/39

Right: 6.415+/-0.353 χ^2/NDF: 814.1/33

In: 14.258+/-0.297 χ^2/NDF:1055.1/35

Out: 13.784+/-0.298 χ^2/NDF:960.4/37

All: 14.022+/-0.210 χ^2/NDF: 2016.8/73



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: -40.948+/-0.017 χ^2/NDF:114302.1/19

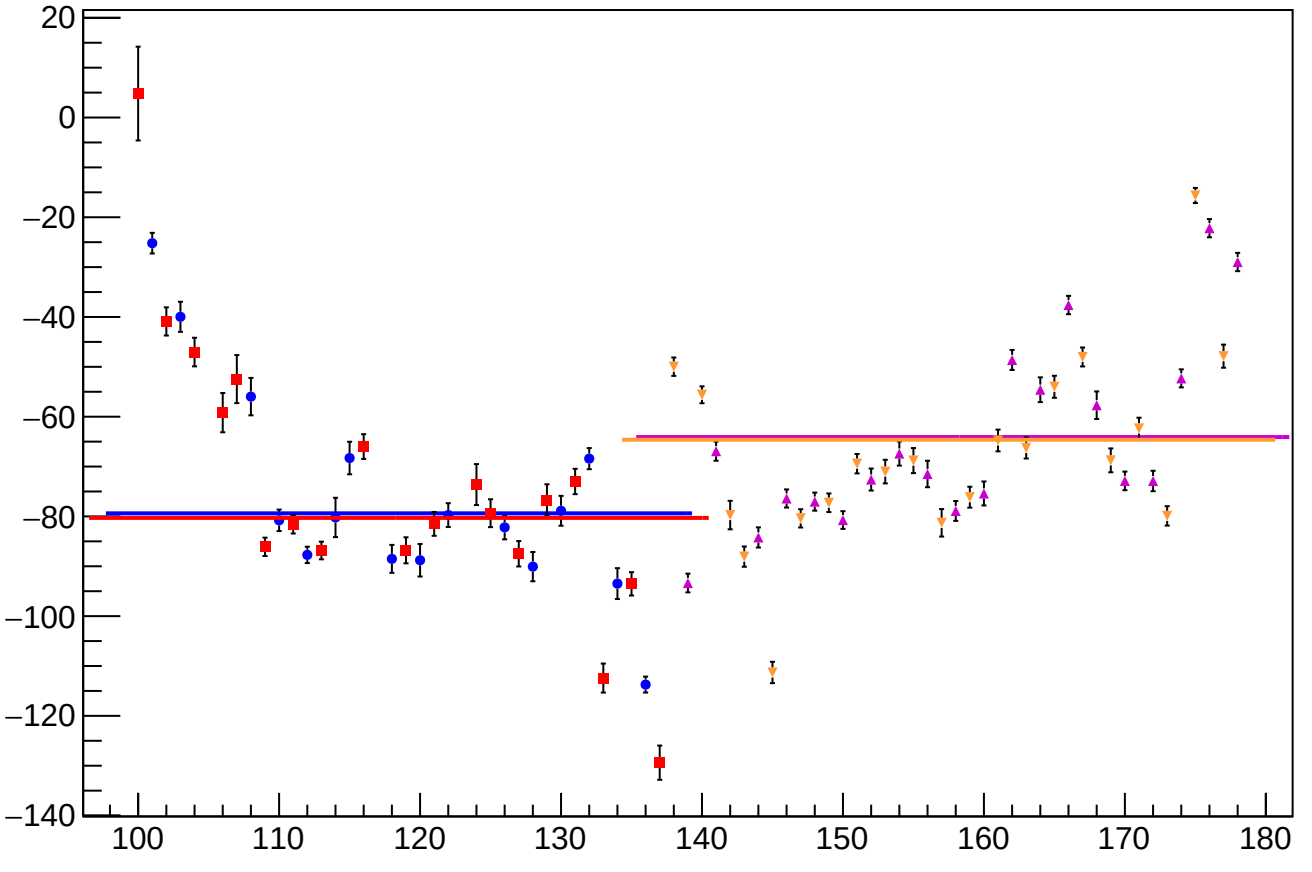
Left: -41.022+/-0.012 χ^2/NDF: 254087.3/39

Right: -41.063+/-0.022 χ^2/NDF: 80626.6/33

In: -40.805+/-0.015 χ^2/NDF:135305.4/35

Out: -41.268+/-0.015 χ^2/NDF:198926.3/37

All: -41.031+/-0.011 χ^2/NDF: 334716.5/73



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: -64.083+/-0.450 χ^2/NDF:1891.6/19

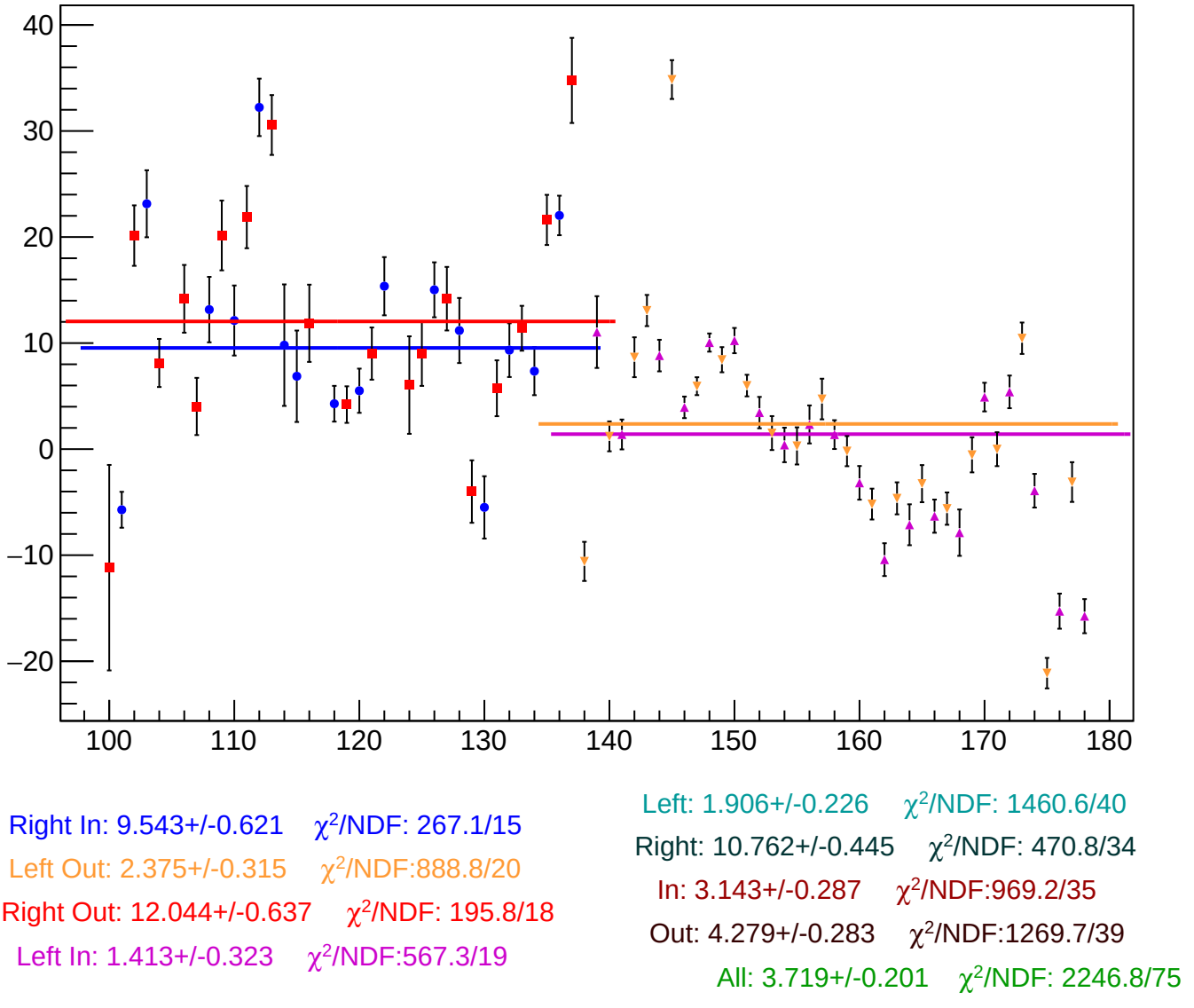
Left: -64.351+/-0.318 χ^2/NDF: 4083.8/40

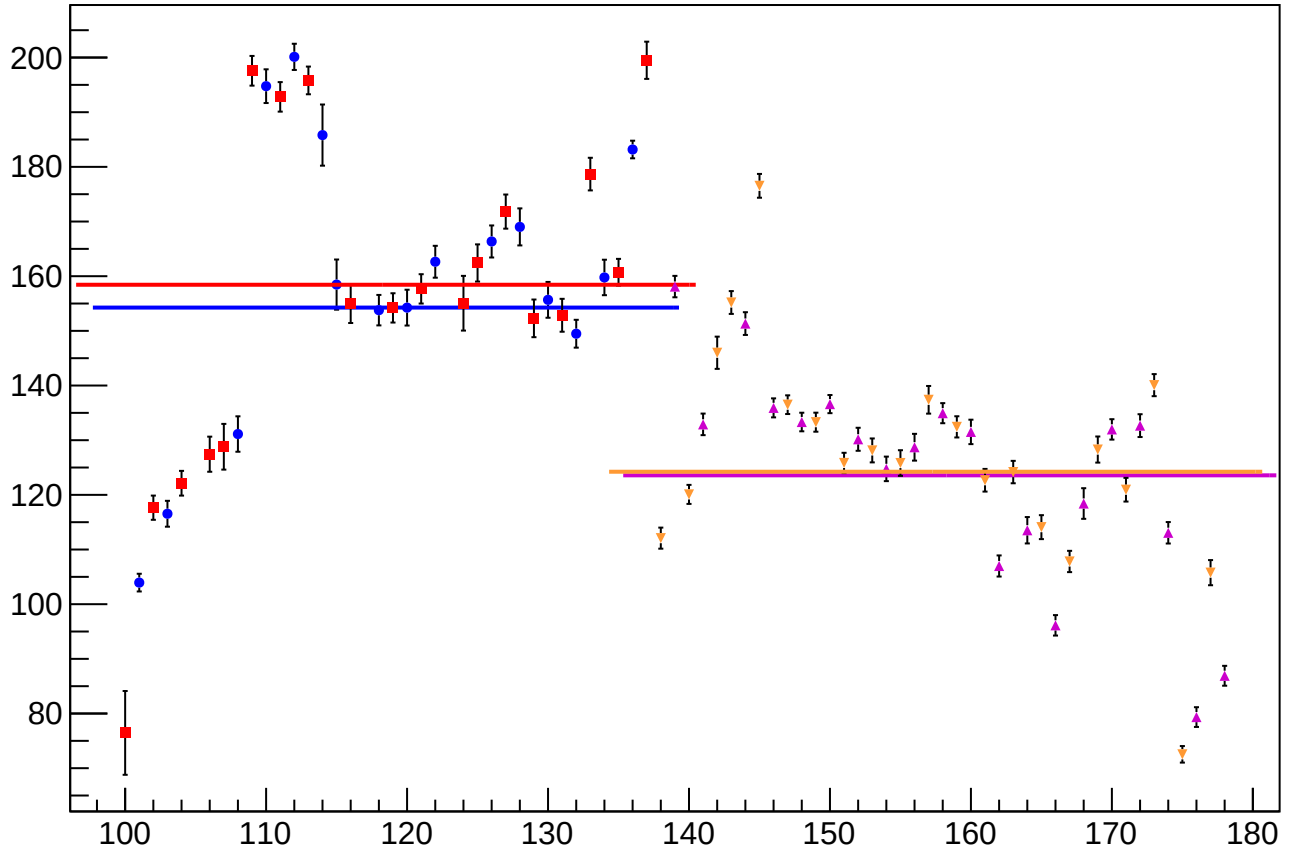
Right: -79.844+/-0.430 χ^2/NDF: 2391.7/34

In: -69.469+/-0.363 χ^2/NDF:3773.6/35

Out: -70.198+/-0.360 χ^2/NDF:3540.0/39

All: -69.836+/-0.256 χ^2/NDF: 7315.6/75


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: 1.413+/-0.323 χ²/NDF:567.3/19
Left: 1.906+/-0.226 χ²/NDF: 1460.6/40
Right: 10.762+/-0.445 χ²/NDF: 470.8/34
In: 3.143+/-0.287 χ²/NDF:969.2/35
Out: 4.279+/-0.283 χ²/NDF:1269.7/39
All: 3.719+/-0.201 χ²/NDF: 2246.8/75



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: 123.572+/-0.442 χ^2/NDF:2105.2/19

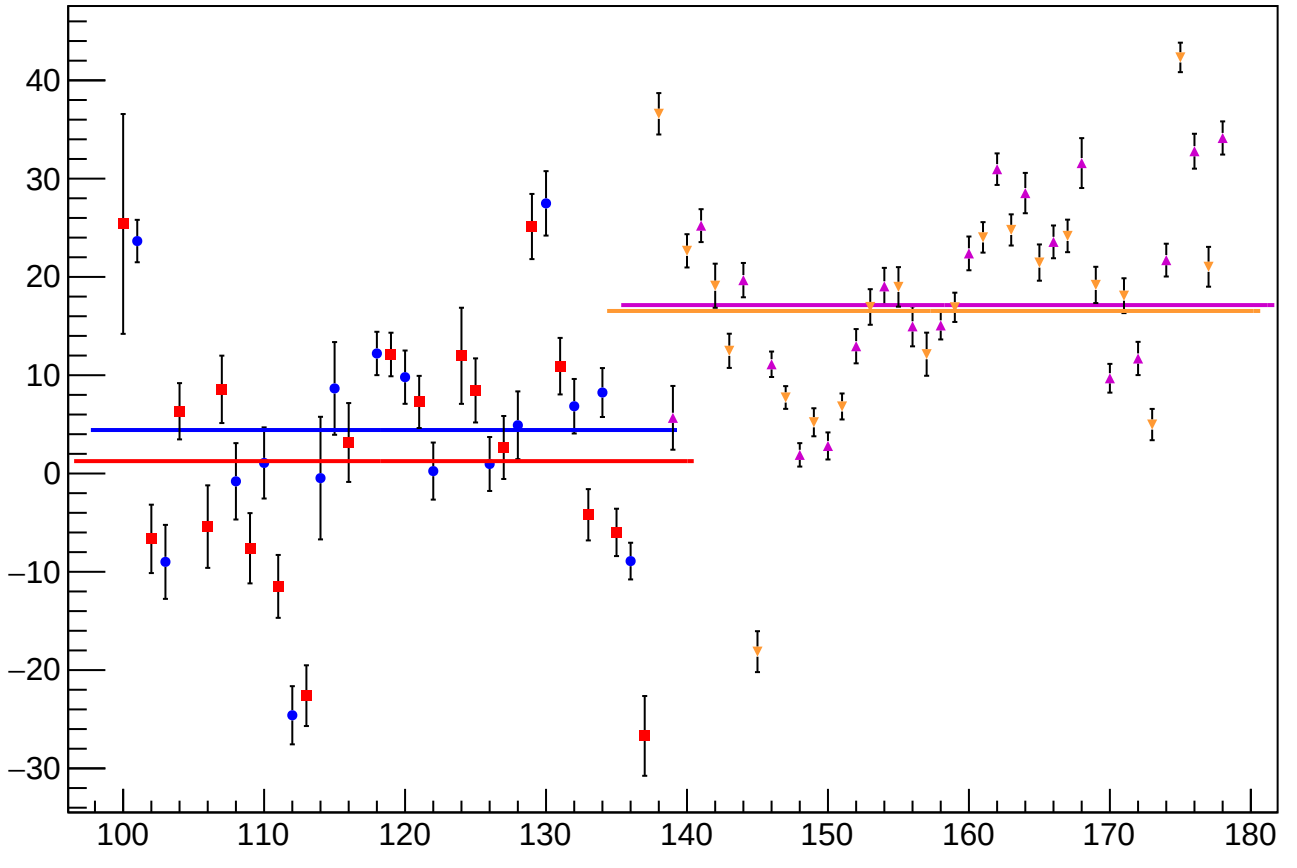
Left: 123.902+/-0.312 χ^2/NDF: 4522.3/40

Right: 156.282+/-0.475 χ^2/NDF: 3897.2/34

In: 133.045+/-0.368 χ^2/NDF:5805.7/35

Out: 134.317+/-0.371 χ^2/NDF:5850.7/39

All: 133.676+/-0.261 χ^2/NDF: 11662.3/75



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: 17.135+/-0.371 χ^2/NDF:725.8/19

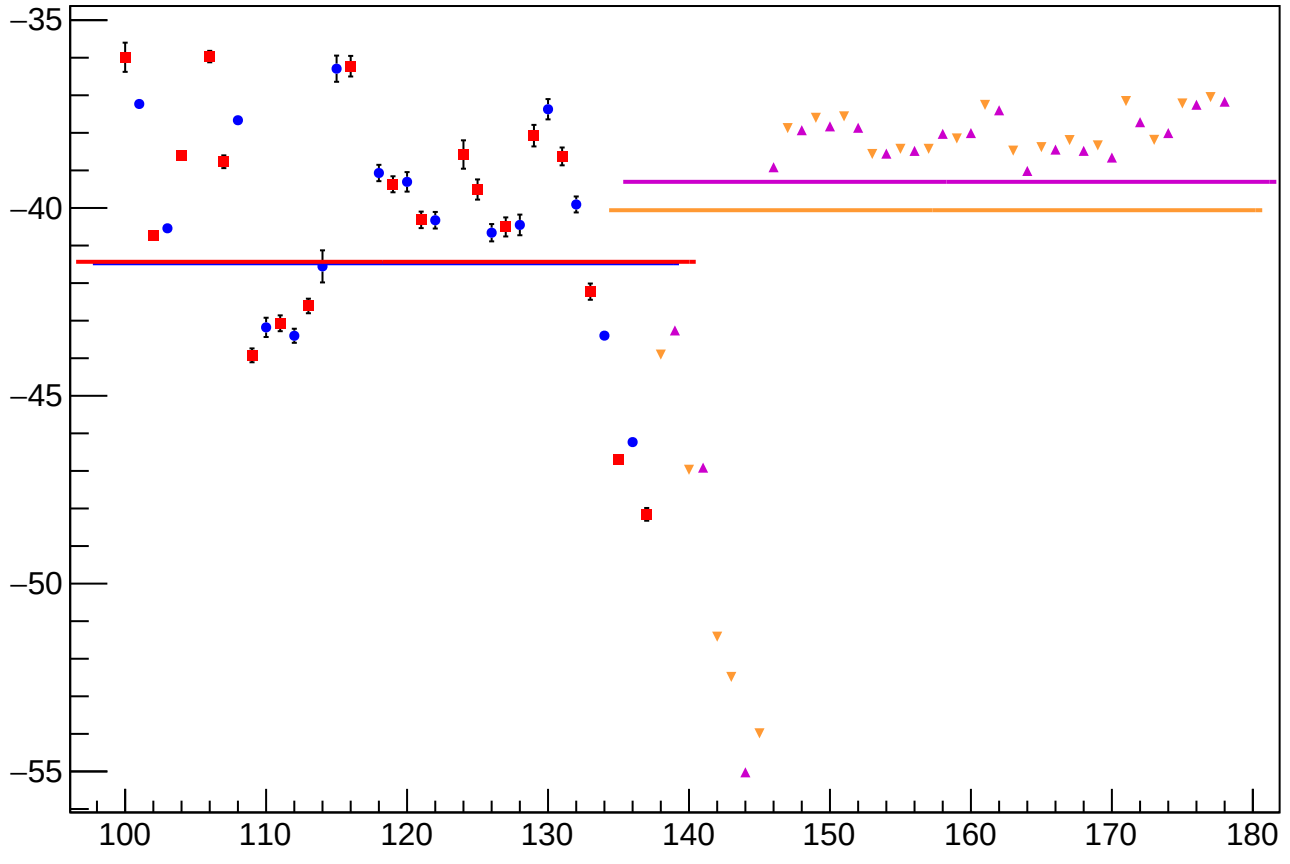
Left: 16.831+/-0.260 χ^2/NDF: 1730.4/40

Right: 2.881+/-0.511 χ^2/NDF: 590.5/34

In: 14.435+/-0.329 χ^2/NDF:1291.5/35

Out: 13.498+/-0.326 χ^2/NDF:1617.4/39

All: 13.963+/-0.232 χ^2/NDF: 2913.0/75



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: -39.304+/-0.017 χ^2/NDF:45985.5/19

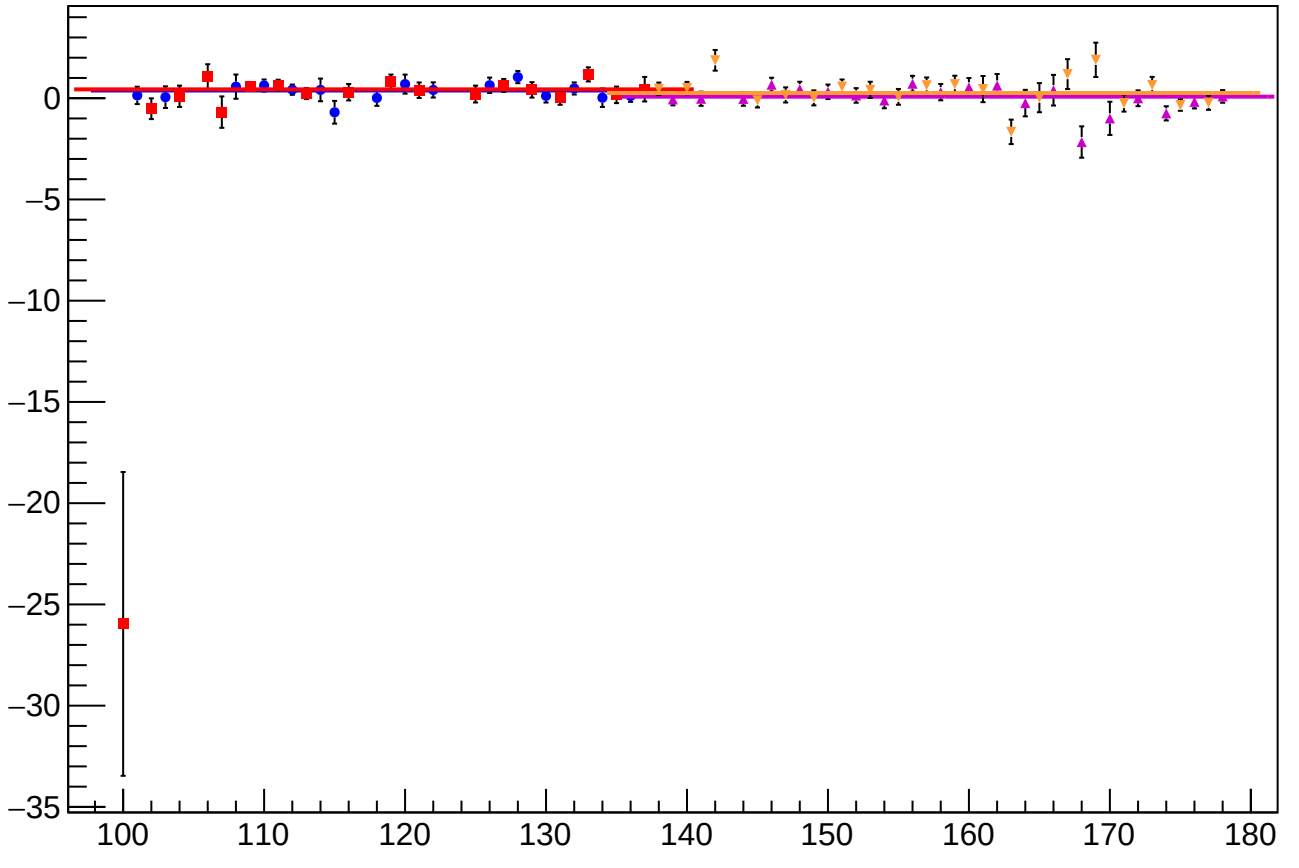
Left: -39.679+/-0.012 χ^2/NDF: 126659.2/40

Right: -41.453+/-0.027 χ^2/NDF: 16137.9/34

In: -39.655+/-0.015 χ^2/NDF:56609.2/35

Out: -40.272+/-0.016 χ^2/NDF:88910.4/39

All: -39.960+/-0.011 χ^2/NDF: 146318.1/75



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: 0.076+/-0.088 χ^2/NDF:26.7/19

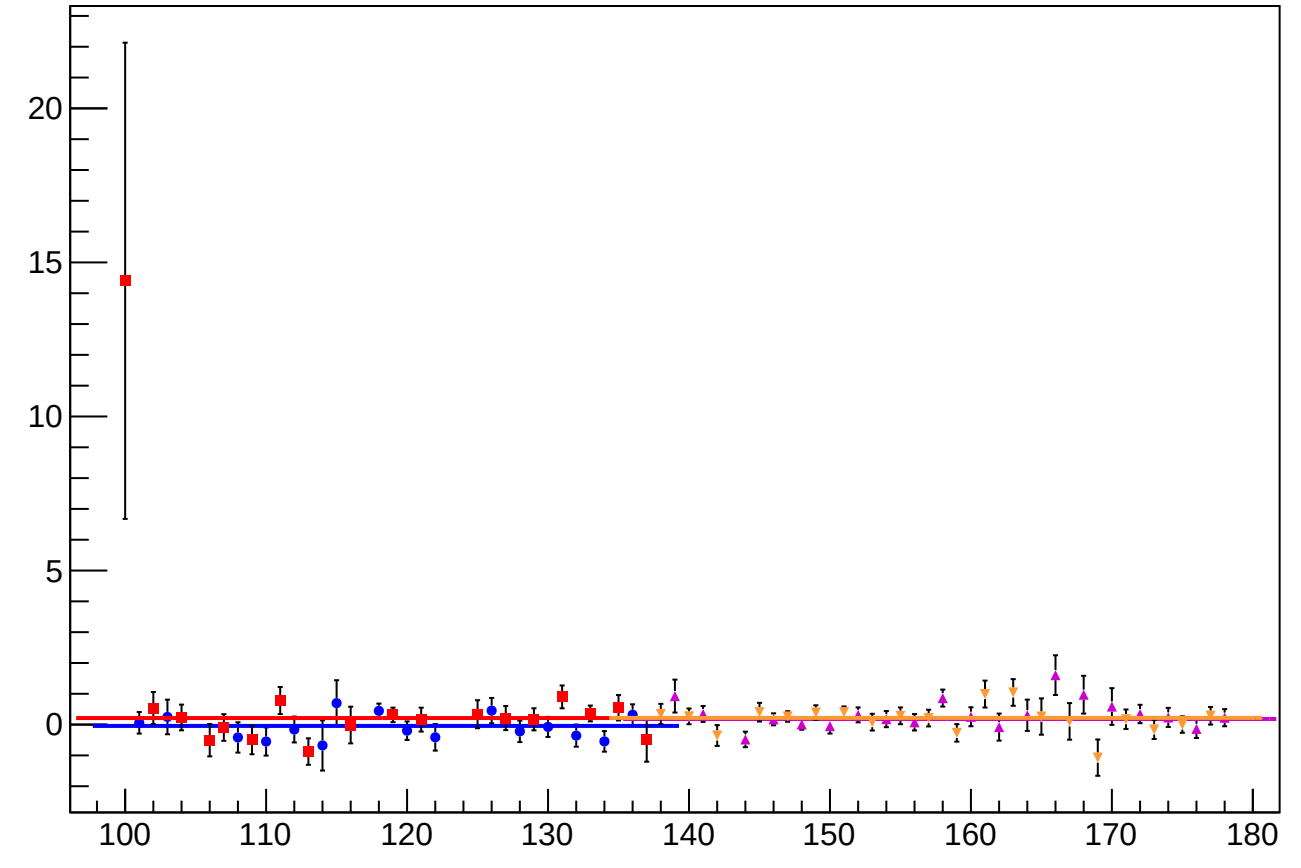
Left: 0.164+/-0.063 χ^2/NDF: 68.8/39

Right: 0.410+/-0.064 χ^2/NDF: 43.2/33

In: 0.223+/-0.064 χ^2/NDF:46.4/35

Out: 0.346+/-0.064 χ^2/NDF:71.1/37

All: 0.284+/-0.045 χ^2/NDF: 119.4/73



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: 0.182+/-0.064 χ^2/NDF:26.6/19

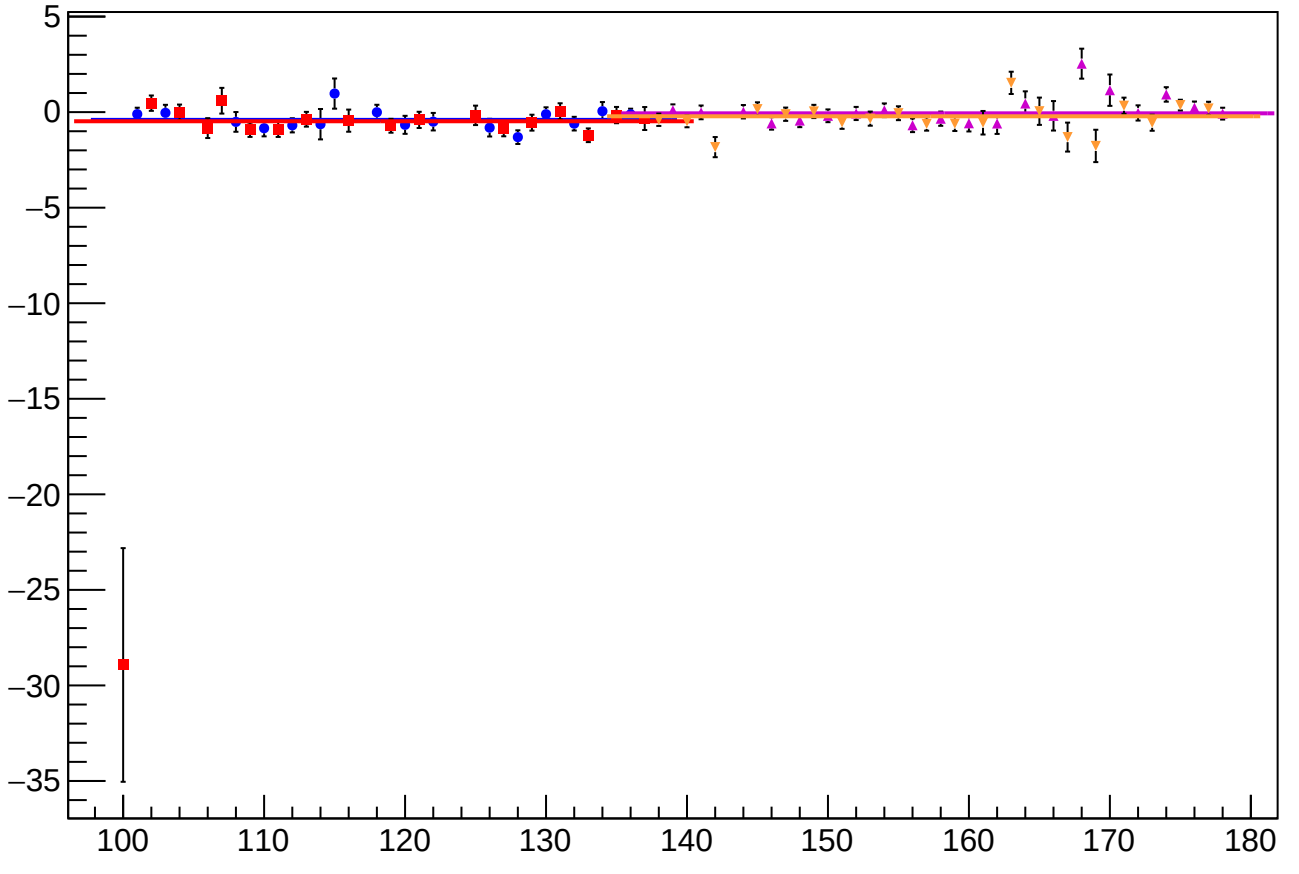
Left: 0.200+/-0.045 χ^2/NDF: 48.9/39

Right: 0.084+/-0.067 χ^2/NDF: 41.1/33

In: 0.111+/-0.053 χ^2/NDF:45.5/35

Out: 0.216+/-0.053 χ^2/NDF:44.5/37

All: 0.163+/-0.038 χ^2/NDF: 92.0/73



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: -0.063+/-0.087 χ^2/NDF:31.9/19

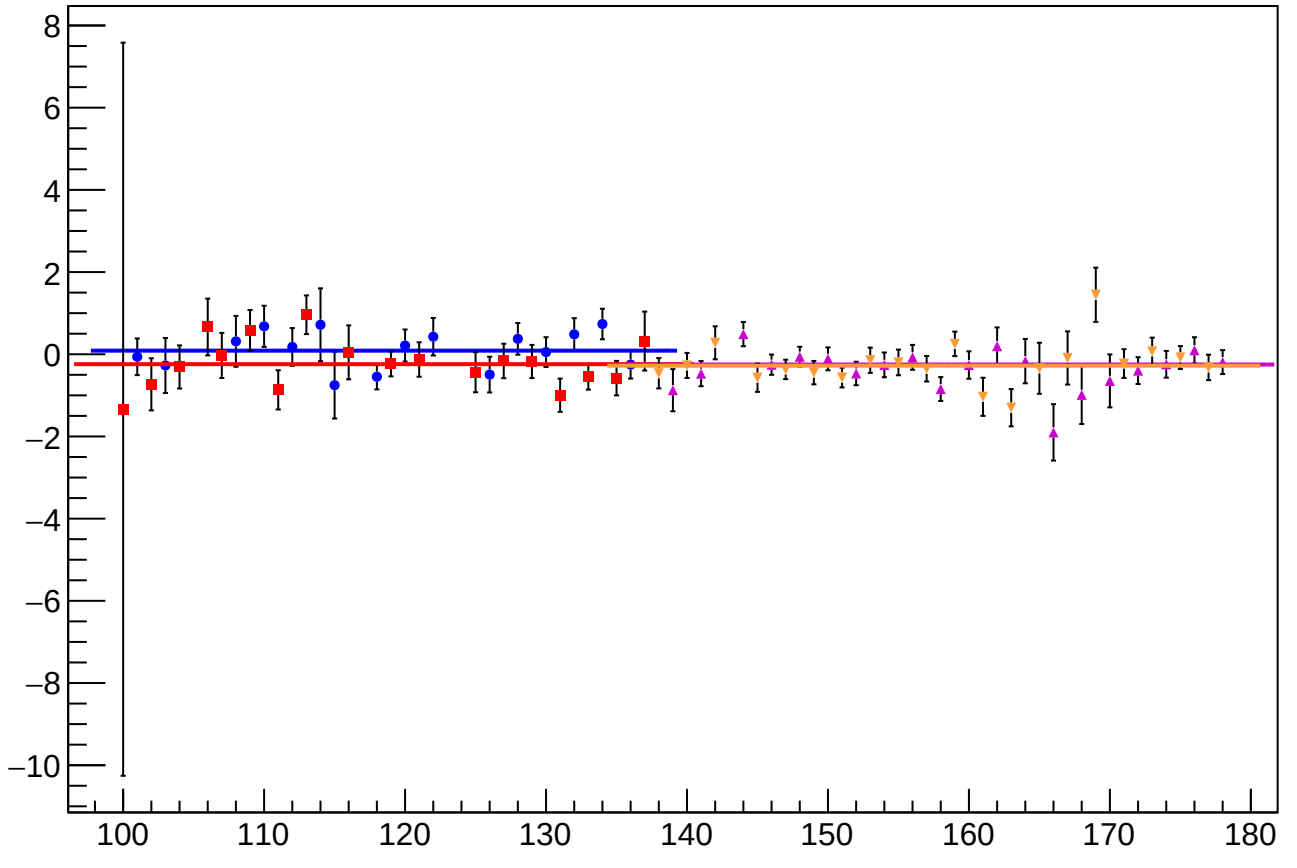
Left: -0.139+/-0.062 χ^2/NDF: 71.9/39

Right: -0.441+/-0.073 χ^2/NDF: 60.3/33

In: -0.205+/-0.066 χ^2/NDF:56.1/35

Out: -0.326+/-0.067 χ^2/NDF:84.4/37

All: -0.264+/-0.047 χ^2/NDF: 142.2/73



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: -0.250+/-0.074 χ^2/NDF:24.0/19

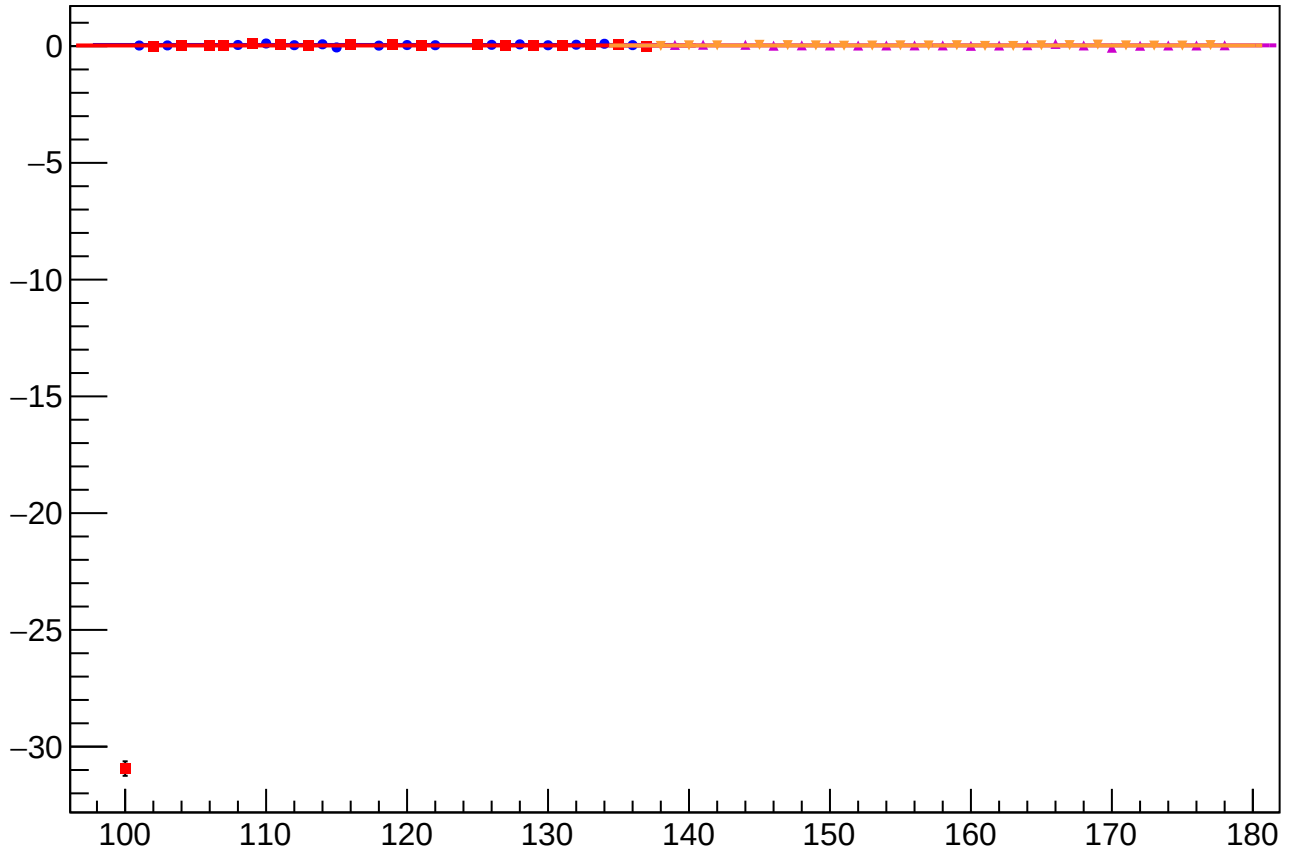
Left: -0.264+/-0.052 χ^2/NDF: 48.7/39

Right: -0.075+/-0.077 χ^2/NDF: 40.0/33

In: -0.142+/-0.061 χ^2/NDF:46.5/35

Out: -0.267+/-0.062 χ^2/NDF:44.3/37

All: -0.204+/-0.043 χ^2/NDF: 92.9/73



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:30.5/19

Left: 0.030+/-0.002 χ^2/NDF: 45.1/39

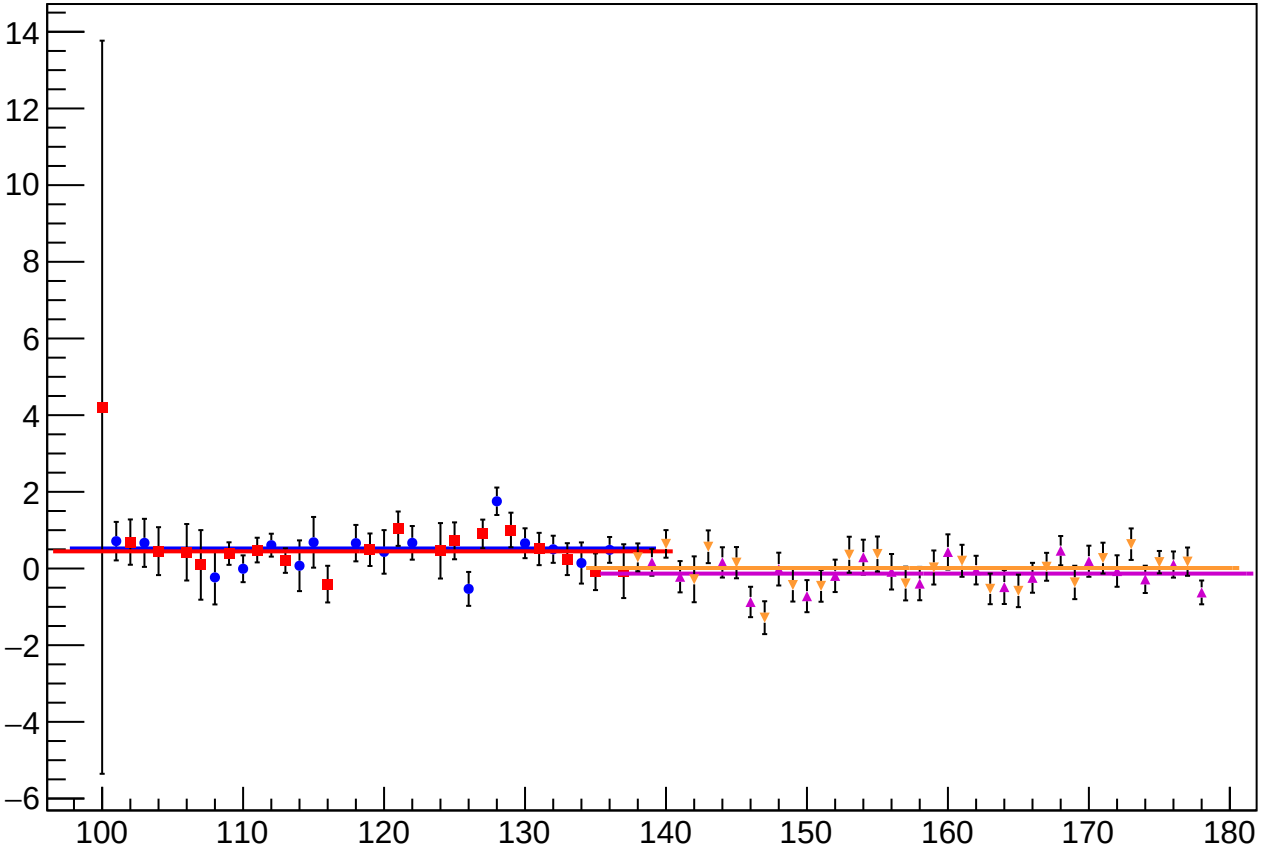
Right: 0.038+/-0.004 χ^2/NDF: 10045.5/33

In: 0.036+/-0.003 χ^2/NDF:54.9/35

Out: 0.028+/-0.003 χ^2/NDF:10034.7/37

All: 0.032+/-0.002 χ^2/NDF: 10093.2/73

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: 0.013+/-0.089 χ^2/NDF:27.1/20

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

Left In: -0.133+/-0.088 χ^2/NDF:16.7/19

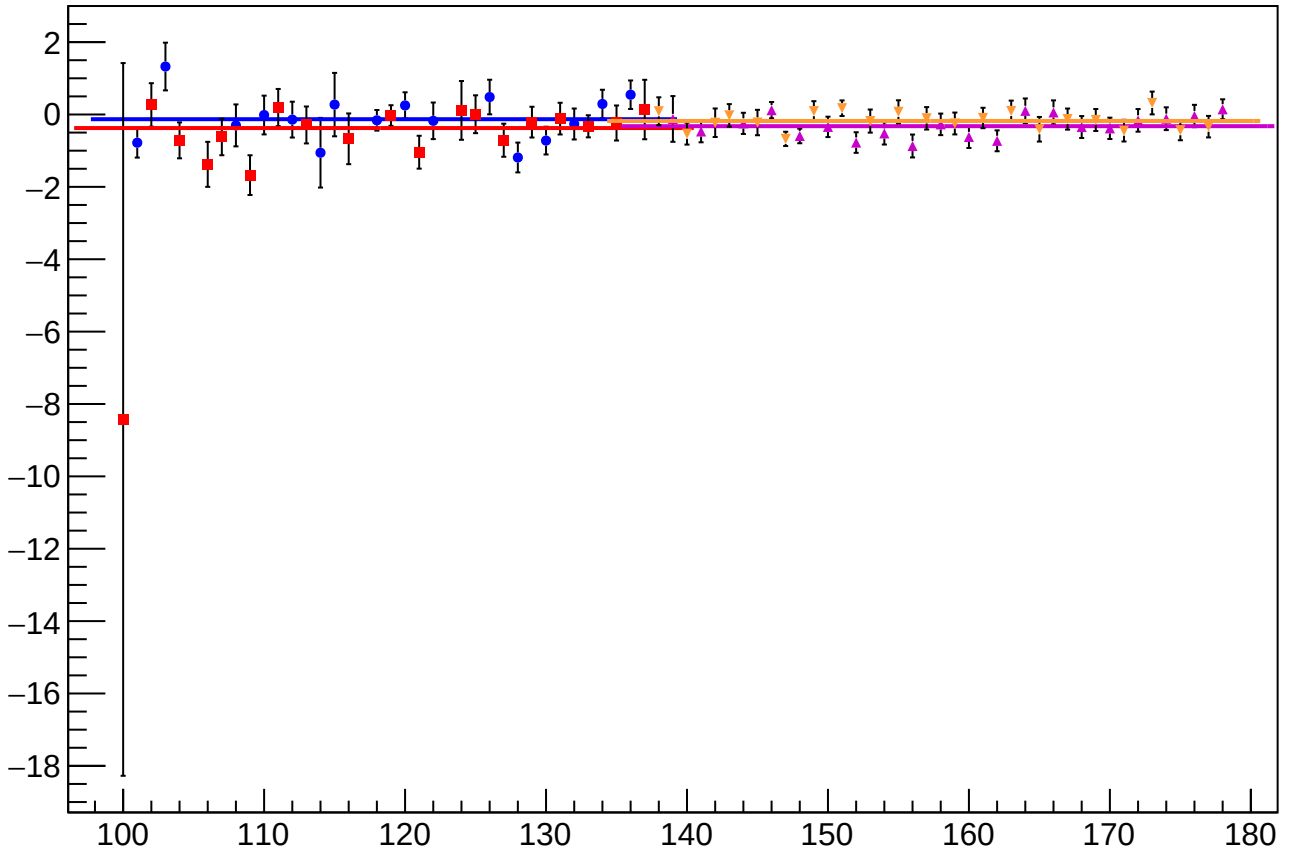
Left: -0.060+/-0.063 χ^2/NDF: 45.2/40

Right: 0.484+/-0.075 χ^2/NDF: 34.3/34

In: 0.129+/-0.069 χ^2/NDF:61.2/35

Out: 0.194+/-0.068 χ^2/NDF:48.5/39

All: 0.162+/-0.048 χ^2/NDF: 110.2/75



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: -0.323+/-0.066 χ^2/NDF:22.2/19

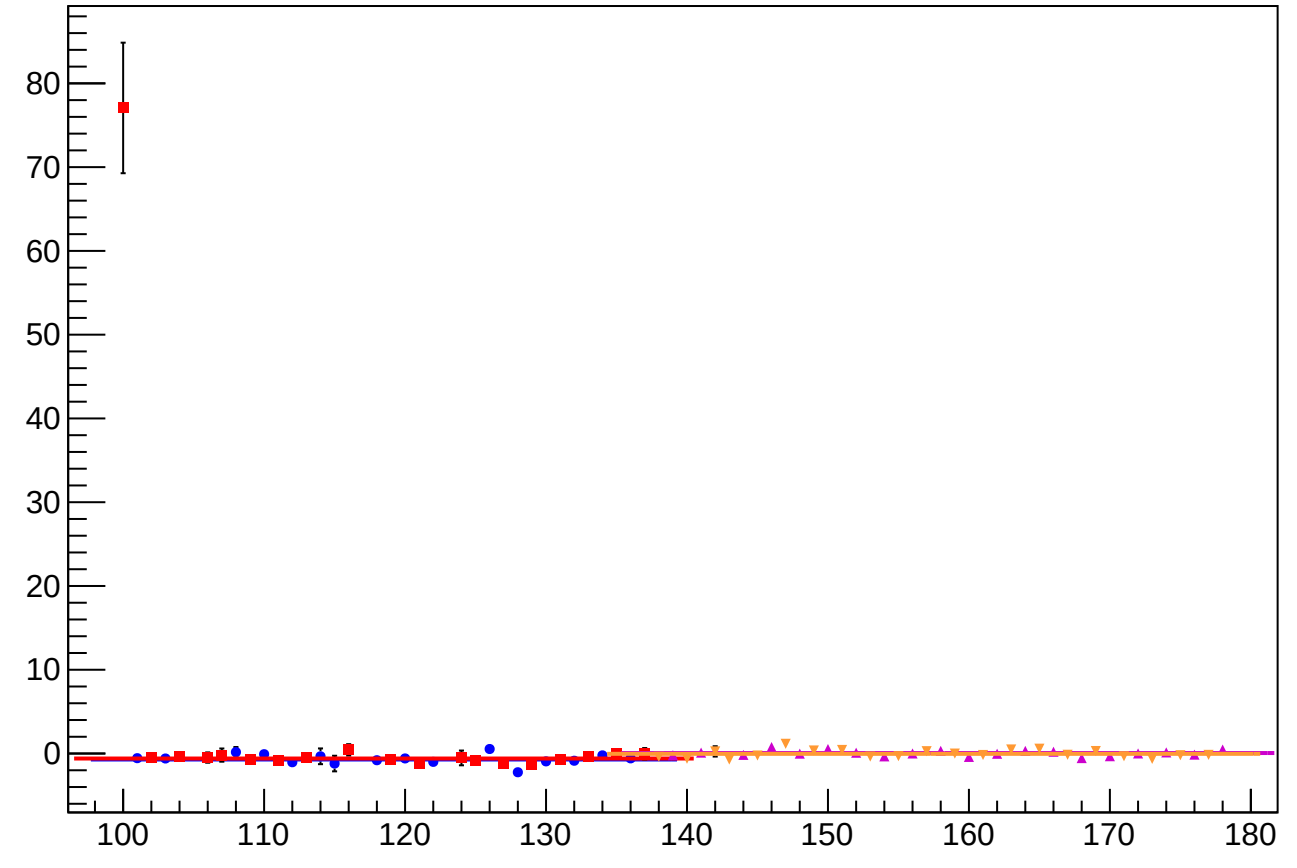
Left: -0.249+/-0.046 χ^2/NDF: 43.4/40

Right: -0.253+/-0.079 χ^2/NDF: 45.2/34

In: -0.274+/-0.056 χ^2/NDF:49.0/35

Out: -0.227+/-0.055 χ^2/NDF:39.2/39

All: -0.250+/-0.040 χ^2/NDF: 88.6/75



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: 0.057+/-0.087 χ^2/NDF:14.4/19

Left: 0.010+/-0.062 χ^2/NDF: 41.9/40

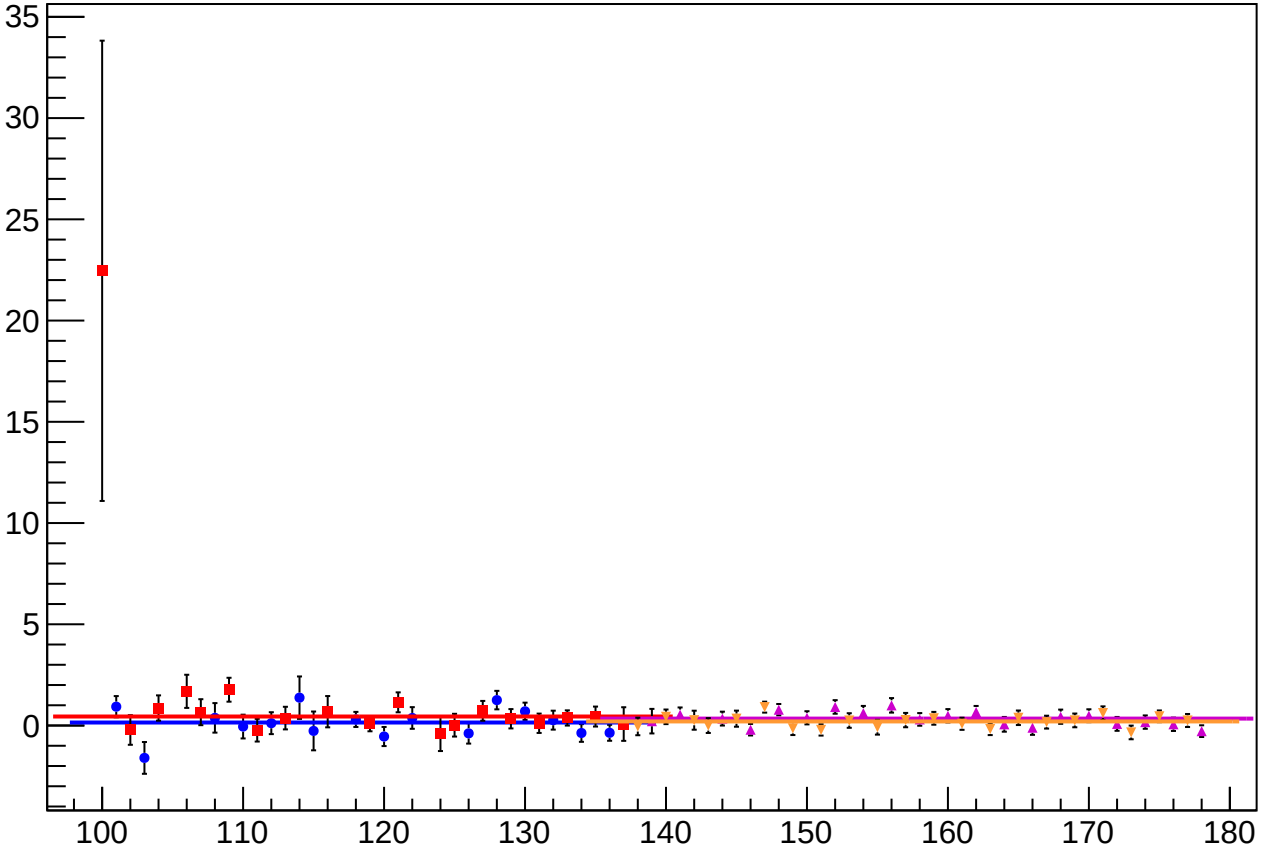
Right: -0.655+/-0.086 χ^2/NDF: 136.3/34

In: -0.204+/-0.071 χ^2/NDF:65.9/35

Out: -0.227+/-0.071 χ^2/NDF:151.8/39

All: -0.215+/-0.050 χ^2/NDF: 217.7/75

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: 0.341+/-0.074 χ^2/NDF:23.4/19

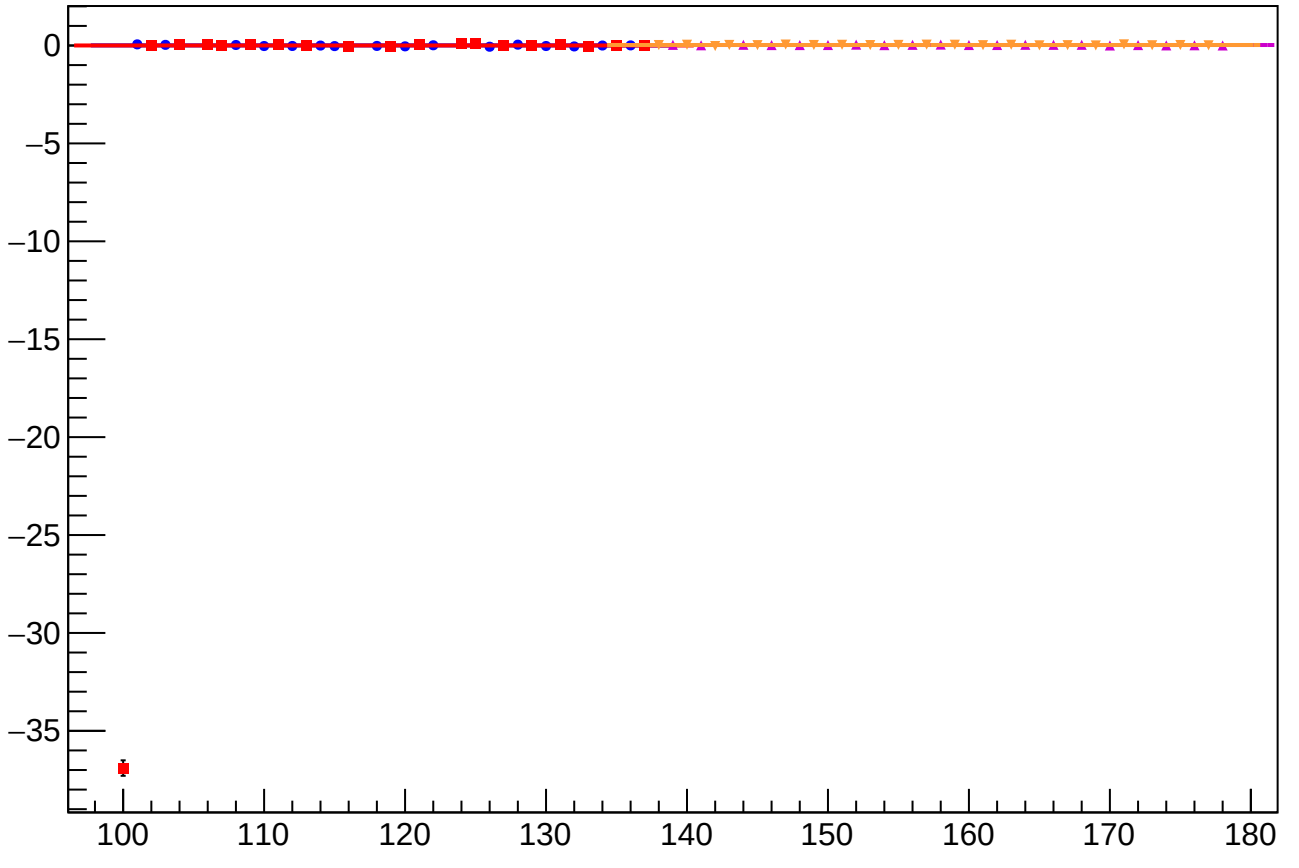
Left: 0.270+/-0.052 χ^2/NDF: 44.3/40

Right: 0.296+/-0.090 χ^2/NDF: 45.7/34

In: 0.293+/-0.064 χ^2/NDF:48.3/35

Out: 0.261+/-0.063 χ^2/NDF:41.5/39

All: 0.277+/-0.045 χ^2/NDF: 90.0/75



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: 0.025+/-0.003 χ^2/NDF:16.9/19

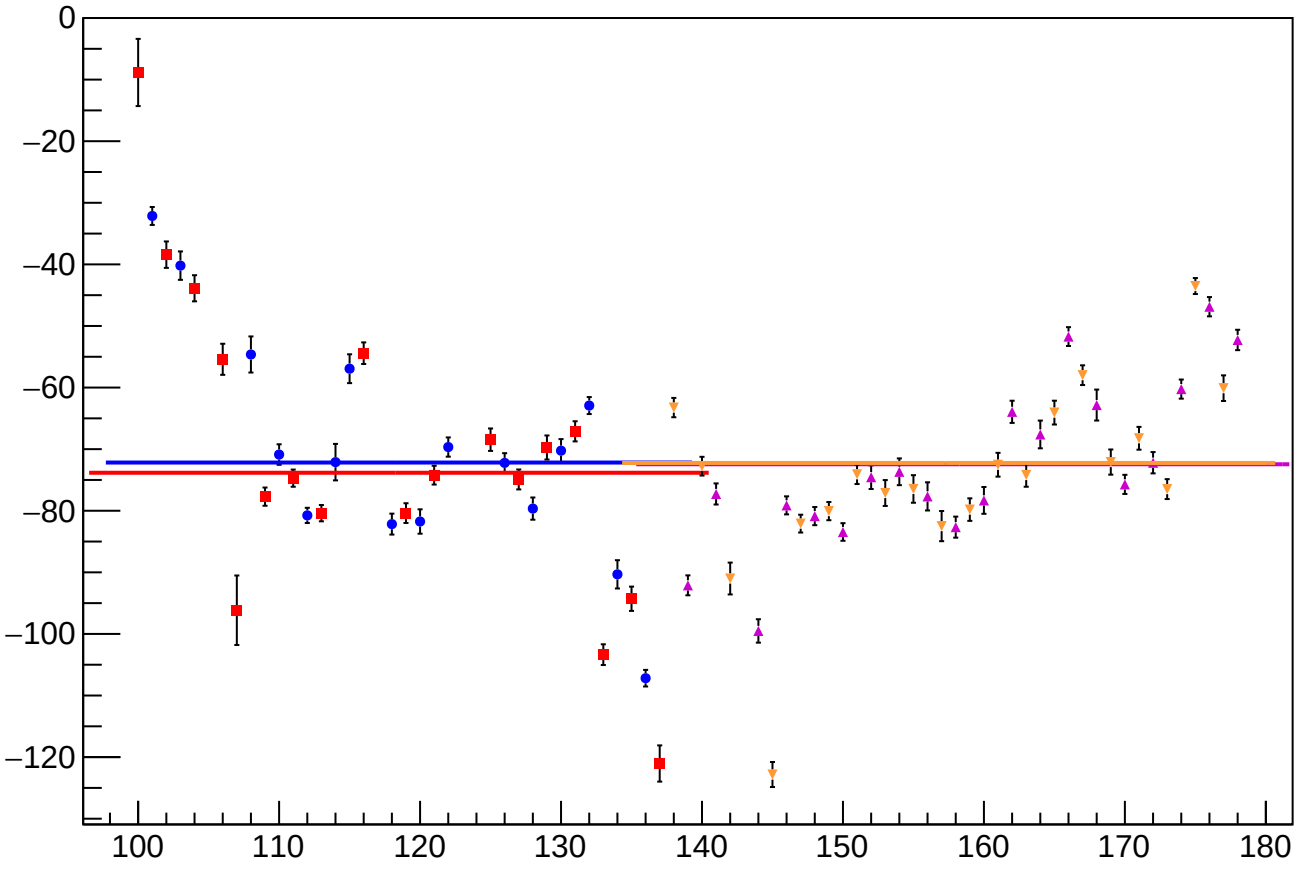
Left: 0.026+/-0.002 χ^2/NDF: 40.3/40

Right: 0.004+/-0.005 χ^2/NDF: 8771.0/34

In: 0.022+/-0.003 χ^2/NDF:39.8/35

Out: 0.022+/-0.003 χ^2/NDF:8785.4/39

All: 0.022+/-0.002 χ^2/NDF: 8825.2/75



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: -72.453+/-0.387 χ^2/NDF:1227.3/19

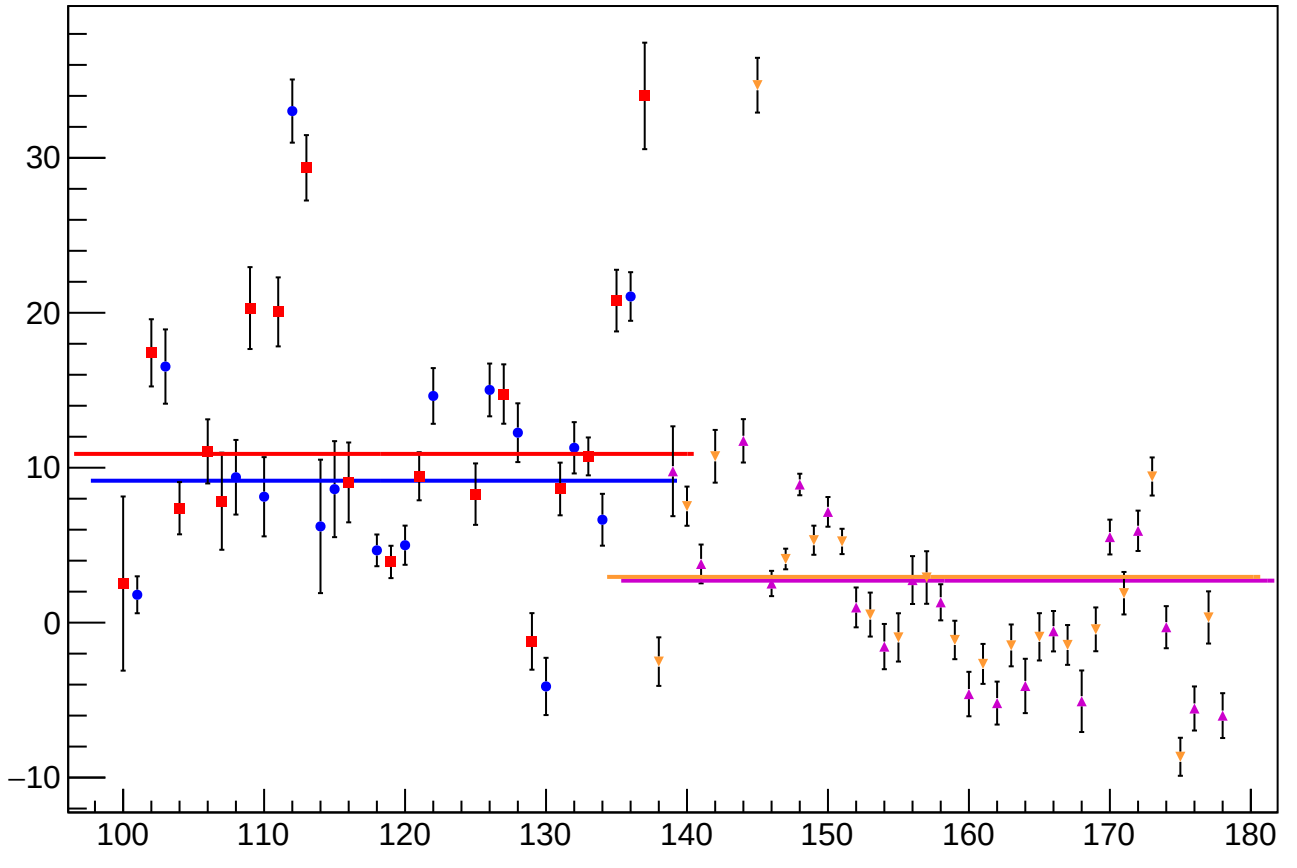
Left: -72.349+/-0.277 χ^2/NDF: 2686.1/39

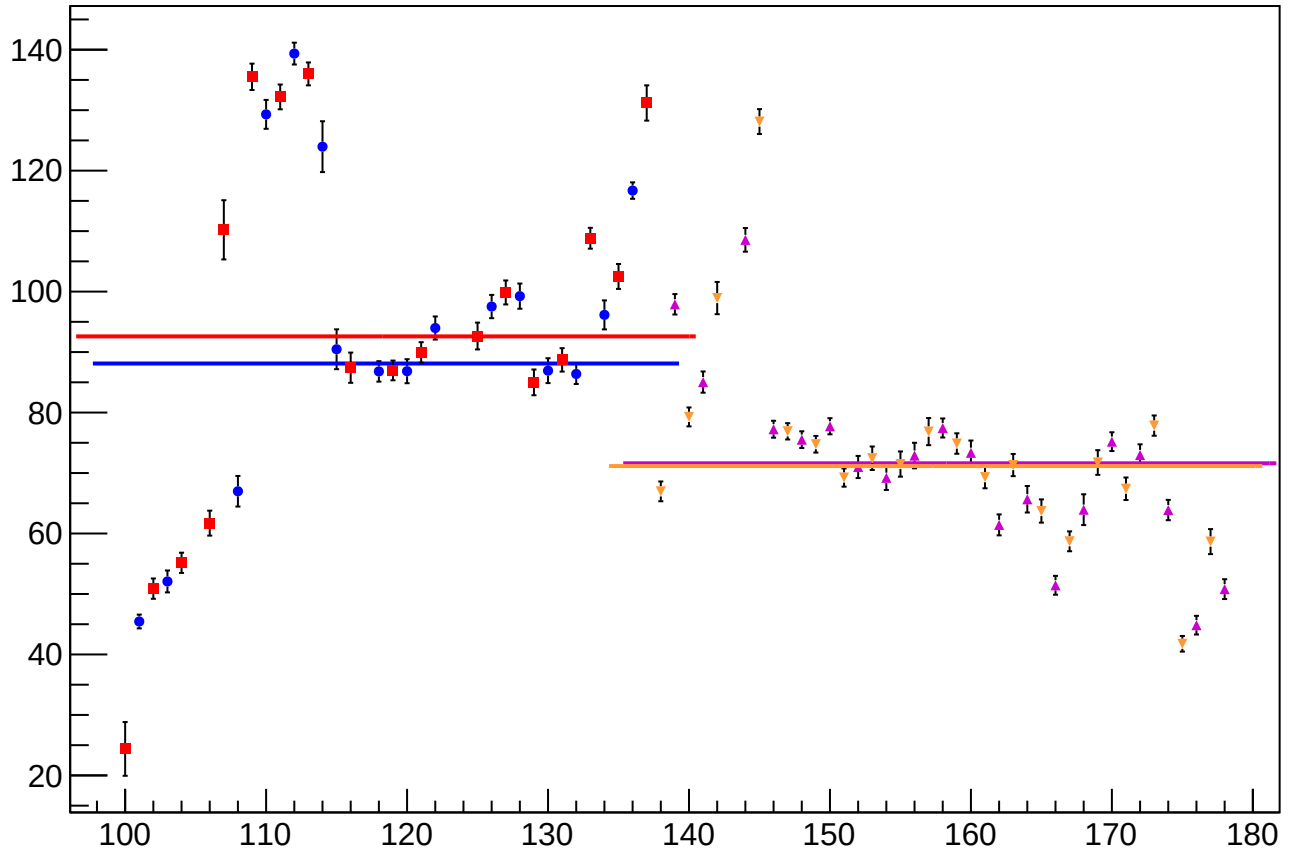
Right: -73.004+/-0.305 χ^2/NDF: 3501.0/33

In: -72.328+/-0.288 χ^2/NDF:3163.5/35

Out: -72.967+/-0.291 χ^2/NDF:3023.7/37

All: -72.645+/-0.205 χ^2/NDF: 6189.7/73


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: 2.710+/-0.275 χ²/NDF:343.6/19
Left: 2.832+/-0.194 χ²/NDF: 923.5/39
Right: 9.996+/-0.306 χ²/NDF: 650.3/33
In: 4.613+/-0.231 χ²/NDF:858.1/35
Out: 5.162+/-0.232 χ²/NDF:1104.5/37
All: 4.886+/-0.164 χ²/NDF: 1965.4/73



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: 71.611+/-0.380 χ^2/NDF:1425.1/19

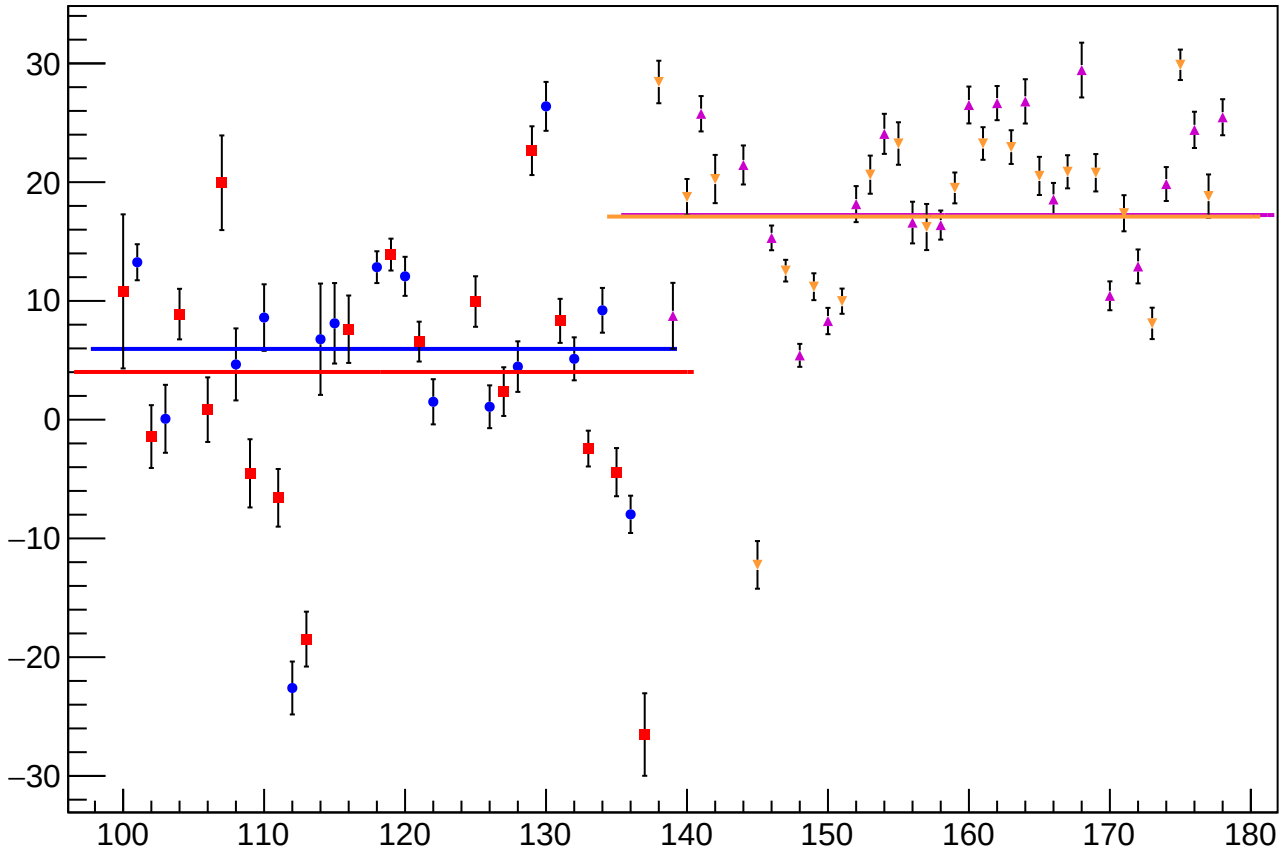
Left: 71.385+/-0.271 χ^2/NDF: 3018.4/39

Right: 90.284+/-0.336 χ^2/NDF: 6817.1/33

In: 78.150+/-0.295 χ^2/NDF:5735.1/35

Out: 79.539+/-0.302 χ^2/NDF:6003.3/37

All: 78.828+/-0.211 χ^2/NDF: 11749.2/73



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: 17.231+/-0.317 χ^2/NDF:513.0/19

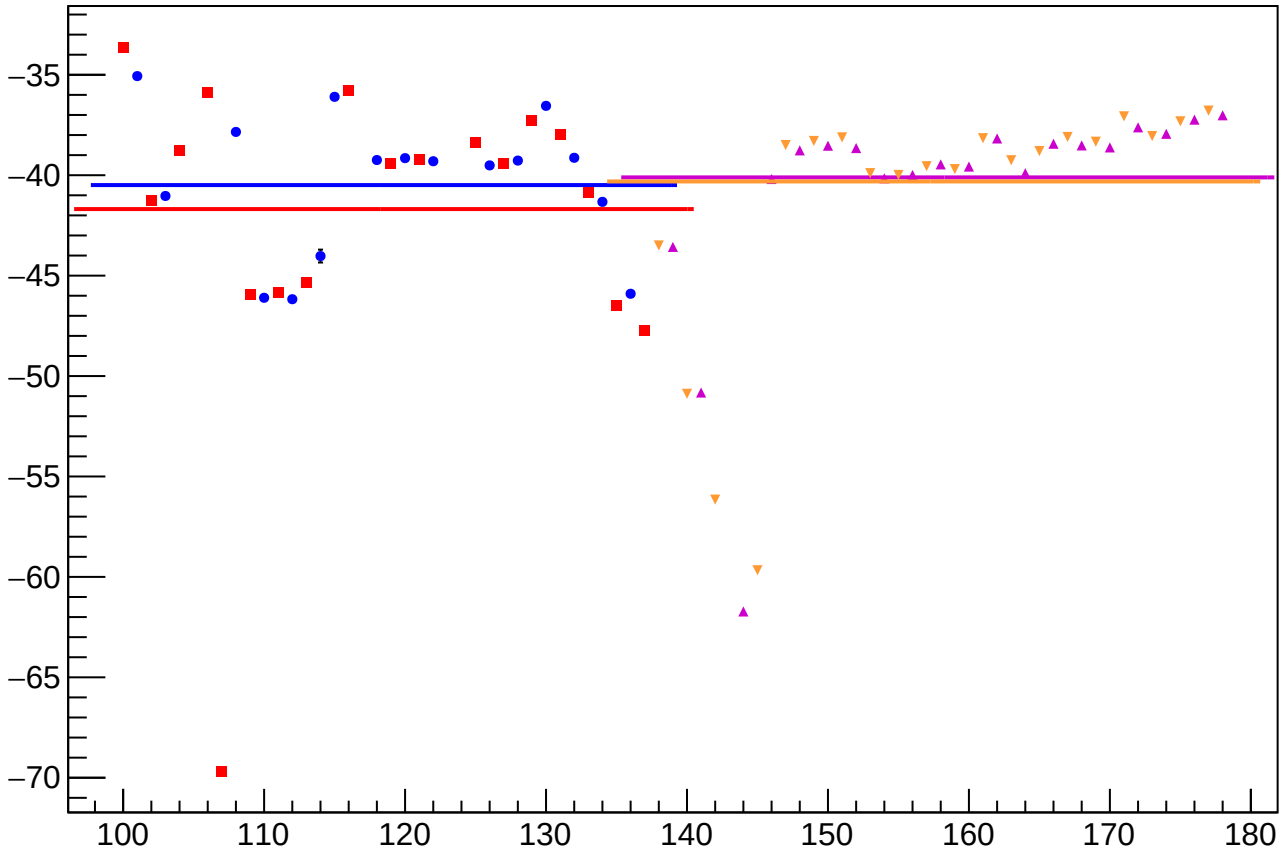
Left: 17.167+/-0.224 χ^2/NDF: 1089.1/39

Right: 5.016+/-0.355 χ^2/NDF: 851.9/33

In: 13.948+/-0.267 χ^2/NDF:1307.9/35

Out: 13.441+/-0.270 χ^2/NDF:1468.6/37

All: 13.697+/-0.190 χ^2/NDF: 2778.2/73



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: -40.108+/-0.014 χ^2/NDF:97504.7/19

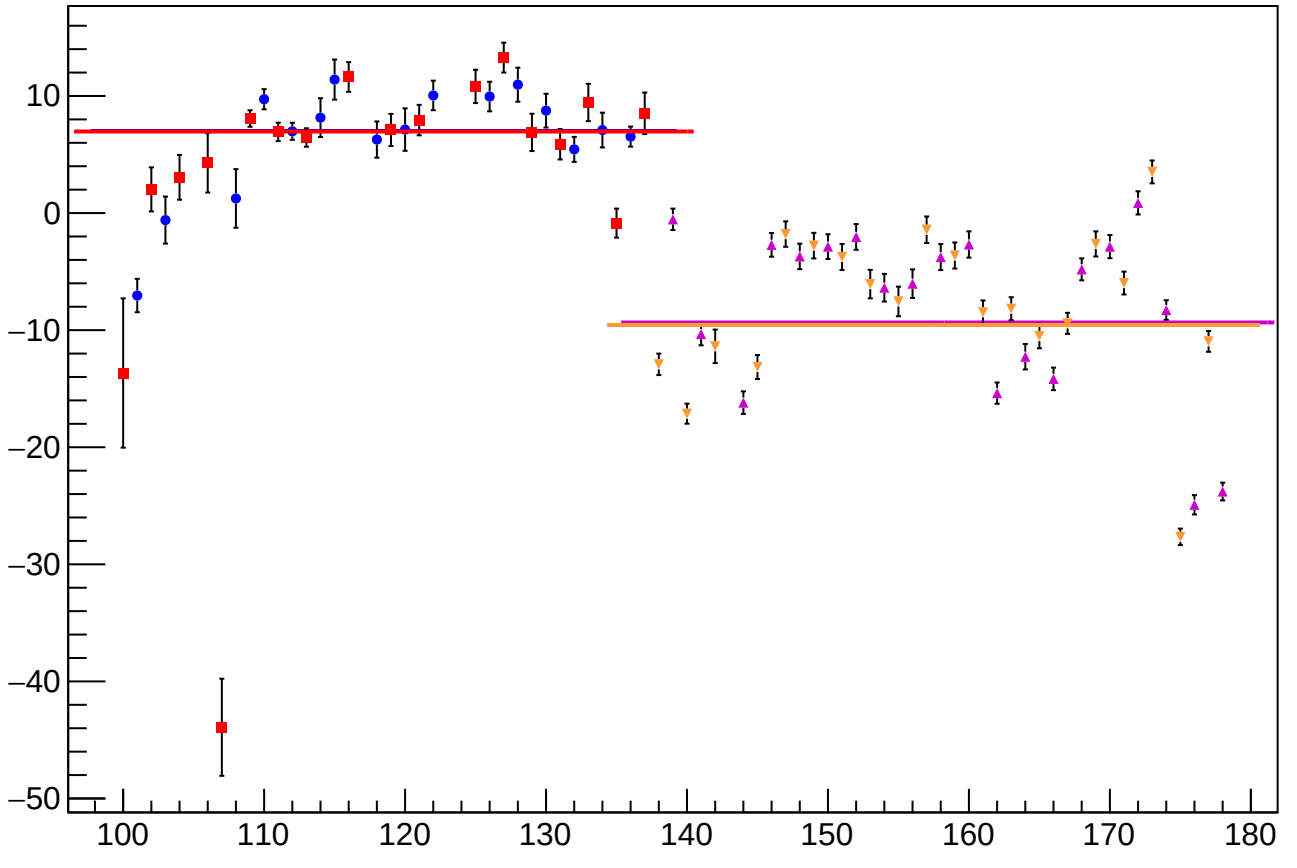
Left: -40.206+/-0.010 χ^2/NDF: 217055.7/39

Right: -41.069+/-0.020 χ^2/NDF: 55825.2/33

In: -40.187+/-0.013 χ^2/NDF:115775.1/35

Out: -40.590+/-0.013 χ^2/NDF:158055.8/37

All: -40.383+/-0.009 χ^2/NDF: 274310.5/73



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: -9.344+/-0.219 χ^2/NDF:1339.9/19

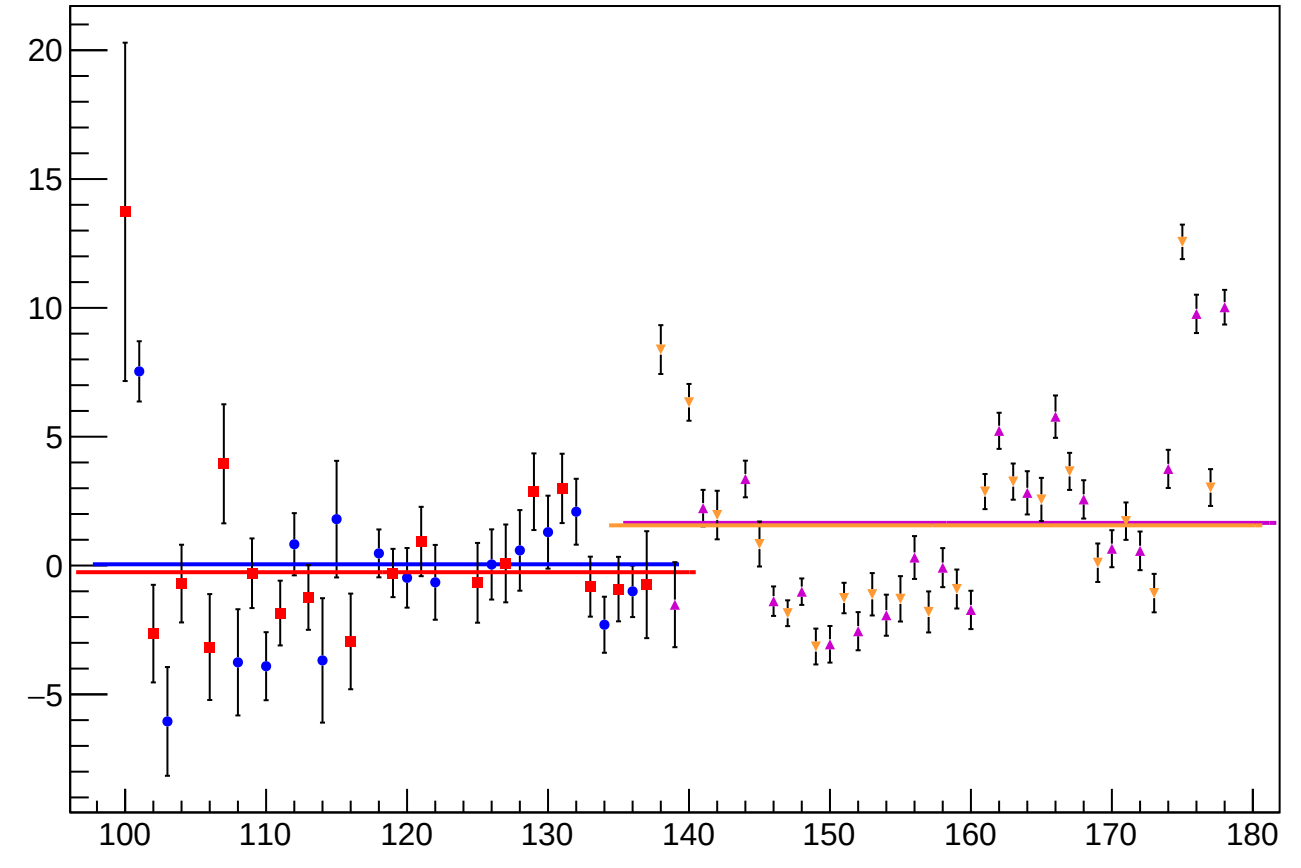
Left: -9.448+/-0.157 χ^2/NDF: 2555.1/39

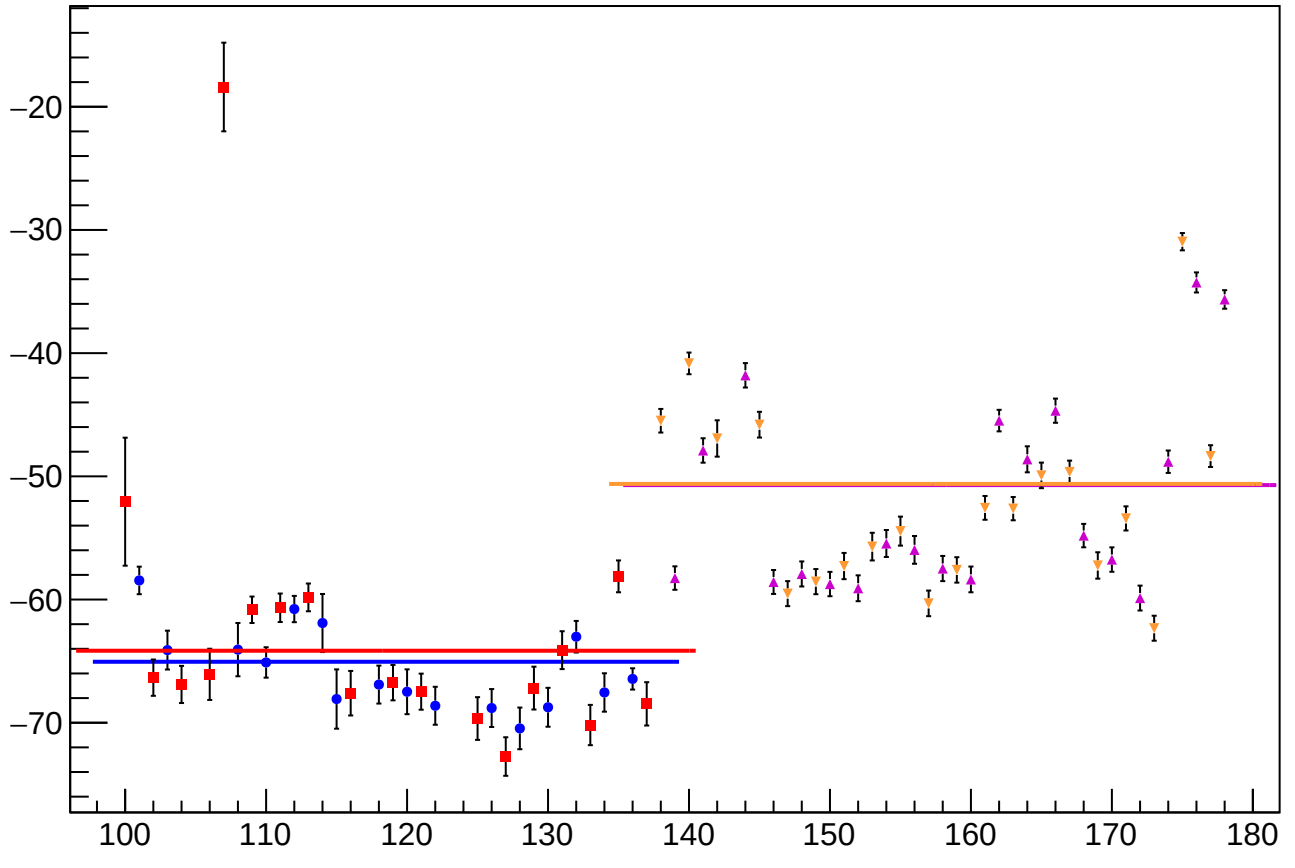
Right: 6.988+/-0.215 χ^2/NDF: 422.3/33

In: -3.876+/-0.179 χ^2/NDF:3358.0/35

Out: -3.571+/-0.179 χ^2/NDF:3439.2/37

All: -3.724+/-0.127 χ^2/NDF: 6798.7/73


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: 1.655+/-0.163 χ²/NDF:530.7/19
Left: 1.608+/-0.115 χ²/NDF: 1102.9/39
Right: -0.099+/-0.239 χ²/NDF: 102.9/33
In: 1.344+/-0.146 χ²/NDF:624.7/35
Out: 1.228+/-0.147 χ²/NDF:622.3/37
All: 1.286+/-0.104 χ²/NDF: 1247.3/73



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: -50.711+/-0.216 χ^2/NDF:1565.7/19

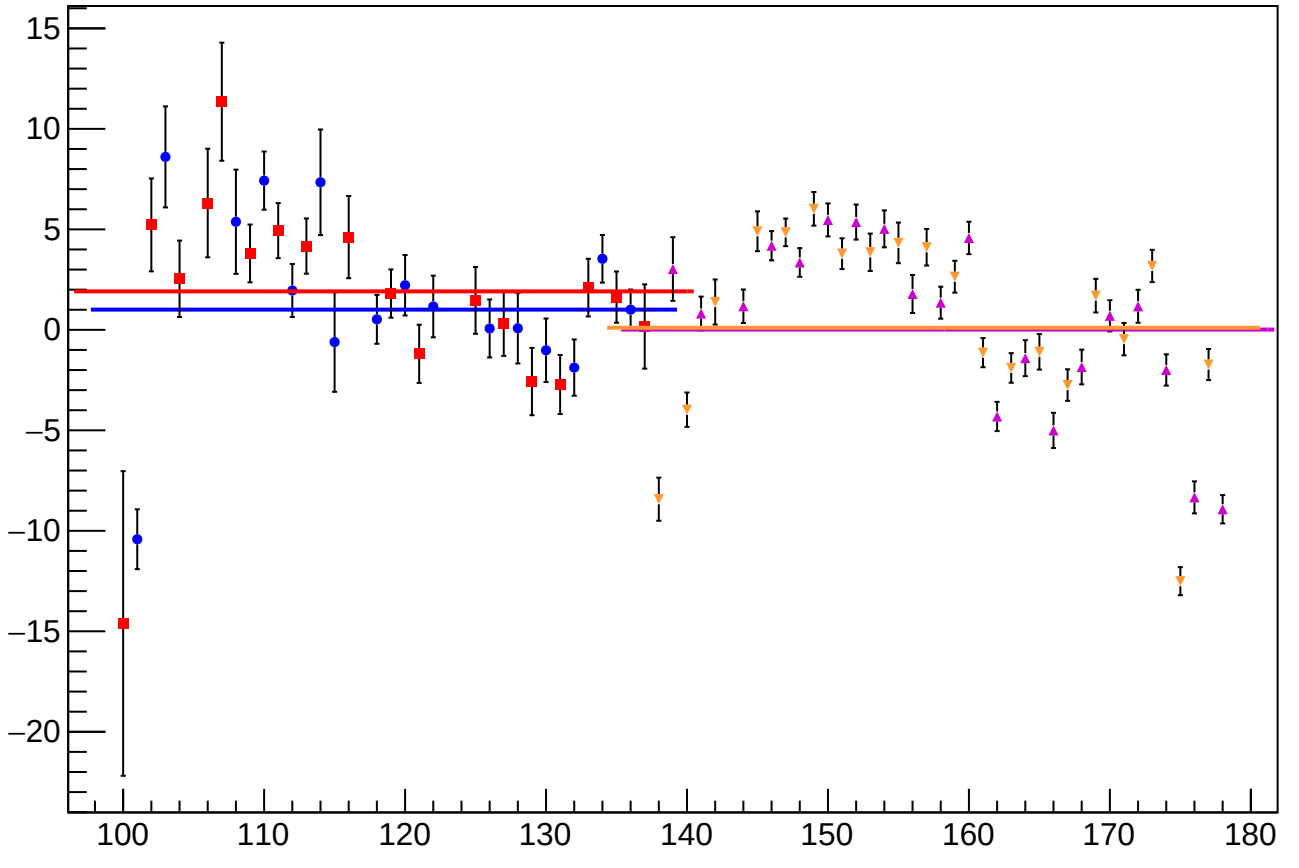
Left: -50.665+/-0.155 χ^2/NDF: 3066.1/39

Right: -64.611+/-0.253 χ^2/NDF: 399.6/33

In: -54.602+/-0.184 χ^2/NDF:2854.2/35

Out: -54.319+/-0.189 χ^2/NDF:2829.1/37

All: -54.464+/-0.132 χ^2/NDF: 5684.4/73



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: 0.014+/-0.184 χ^2/NDF:566.5/19

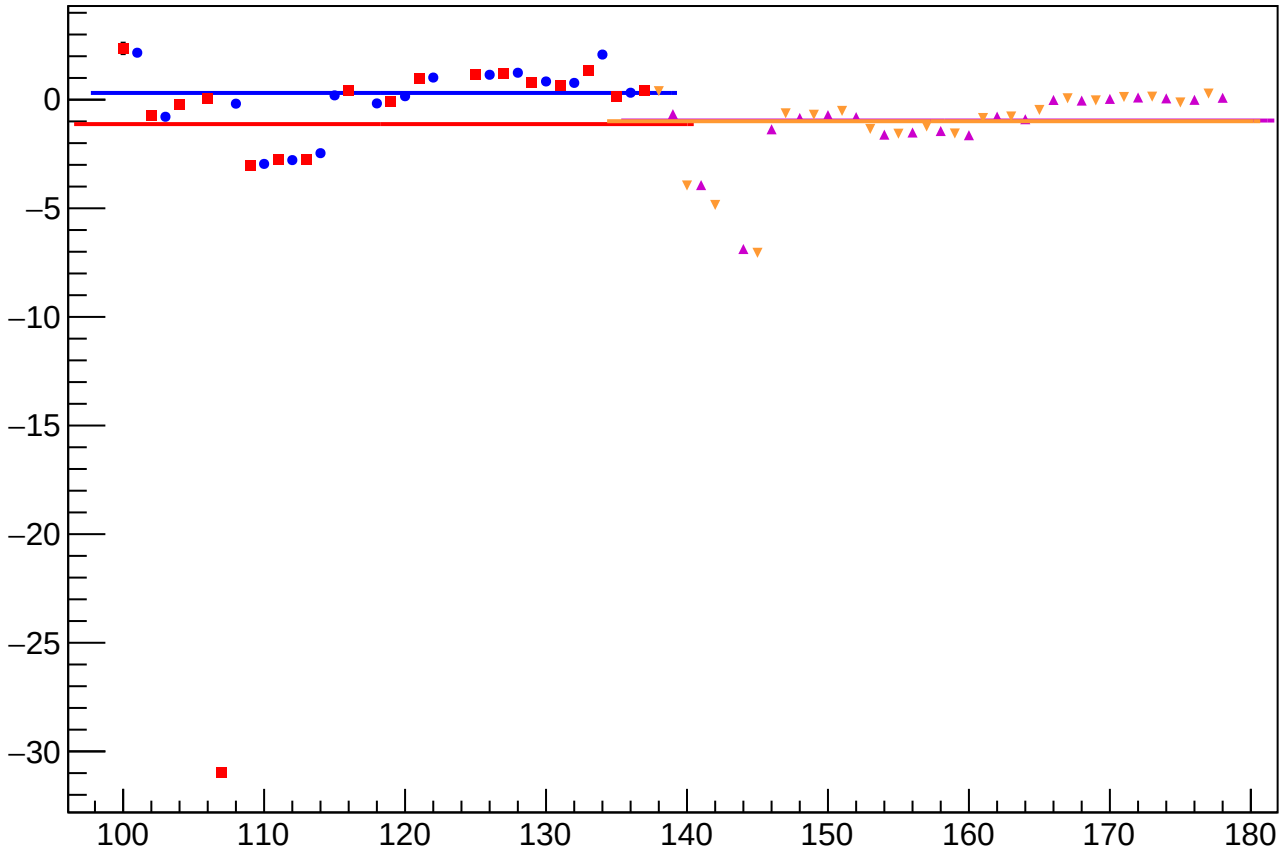
Left: 0.059+/-0.131 χ^2/NDF: 1238.8/39

Right: 1.443+/-0.270 χ^2/NDF: 166.5/33

In: 0.206+/-0.165 χ^2/NDF:681.3/35

Out: 0.439+/-0.167 χ^2/NDF:744.3/37

All: 0.321+/-0.118 χ^2/NDF: 1426.6/73



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: -0.960+/-0.008 χ^2/NDF:30532.5/19

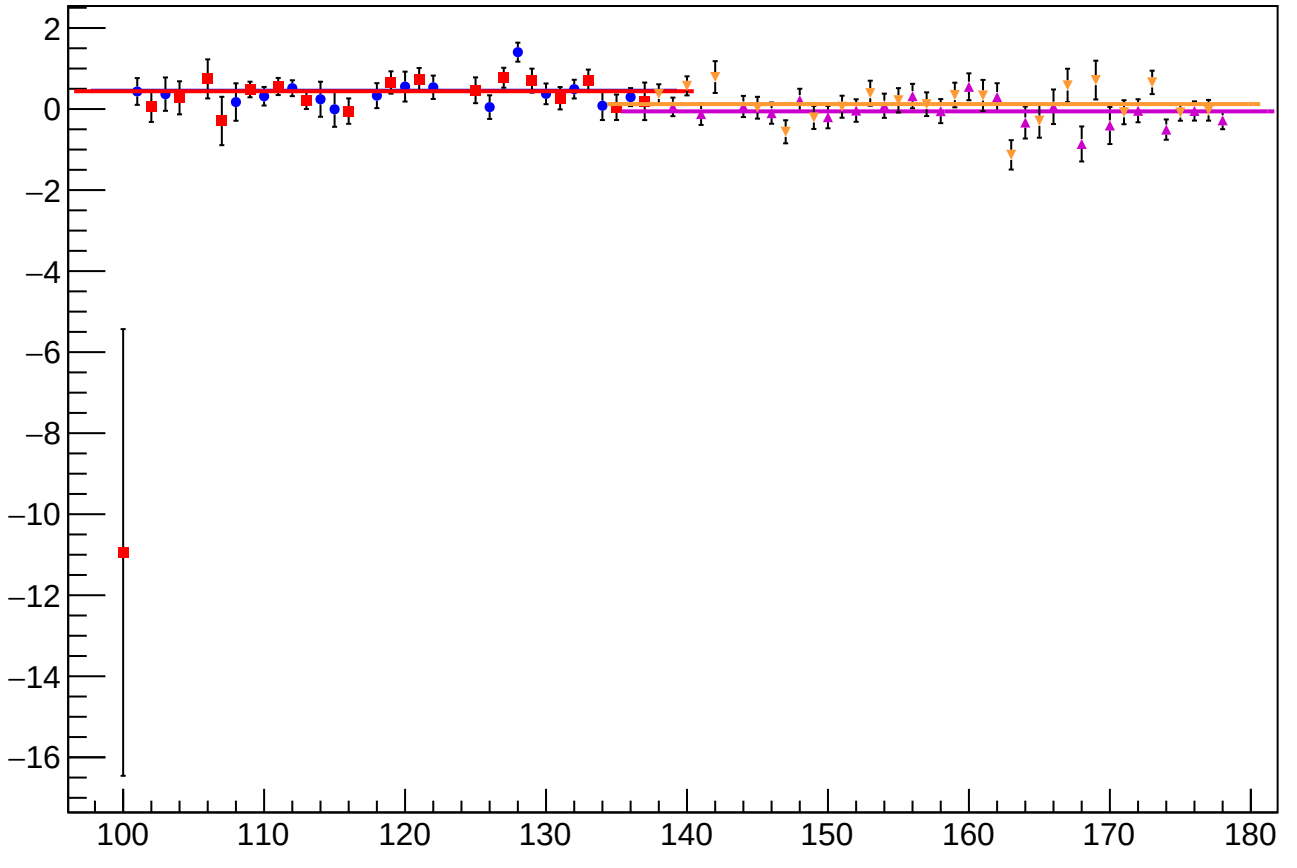
Left: -0.975+/-0.006 χ^2/NDF: 70436.5/39

Right: -0.369+/-0.015 χ^2/NDF: 53391.3/33

In: -0.796+/-0.008 χ^2/NDF:38547.8/35

Out: -1.007+/-0.008 χ^2/NDF:86276.3/37

All: -0.898+/-0.005 χ^2/NDF: 125202.9/73



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: -0.057+/-0.064 χ^2/NDF:16.8/19

Left: 0.031+/-0.046 χ^2/NDF: 58.2/39

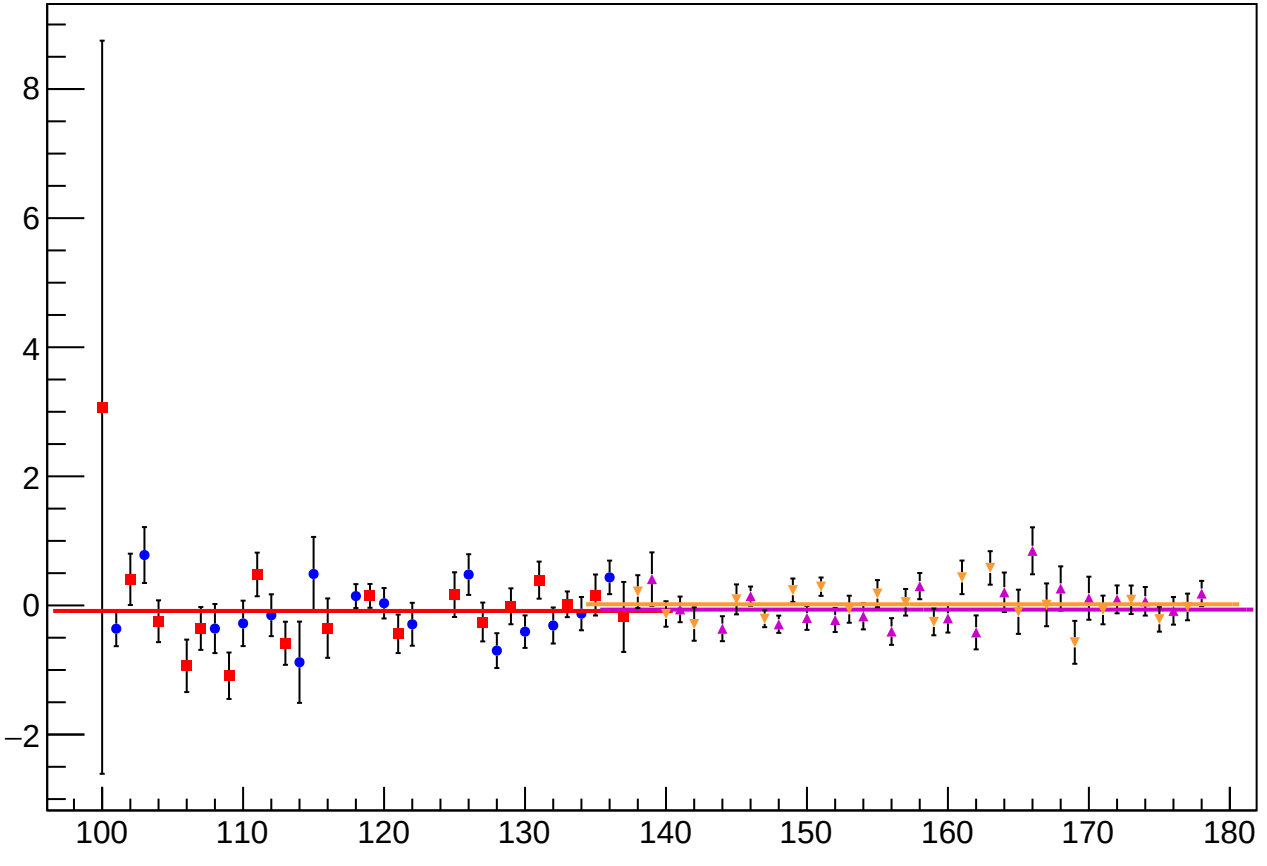
Right: 0.446+/-0.050 χ^2/NDF: 41.2/33

In: 0.172+/-0.048 χ^2/NDF:67.5/35

Out: 0.272+/-0.048 χ^2/NDF:67.1/37

All: 0.222+/-0.034 χ^2/NDF: 136.8/73

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: -0.065+/-0.047 χ^2/NDF:28.8/19

Left: -0.023+/-0.033 χ^2/NDF: 55.9/39

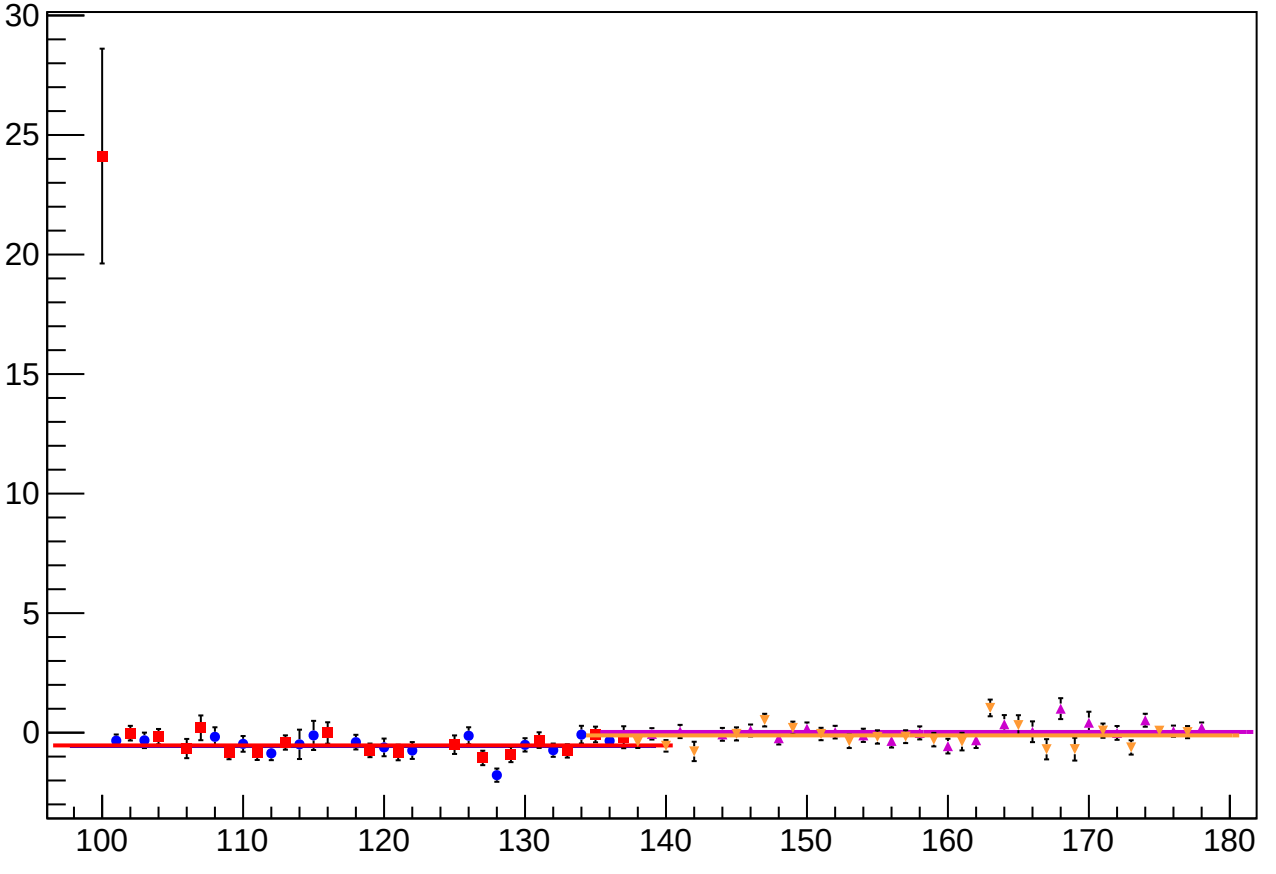
Right: -0.086+/-0.052 χ^2/NDF: 53.3/33

In: -0.071+/-0.040 χ^2/NDF:54.3/35

Out: -0.012+/-0.040 χ^2/NDF:54.8/37

All: -0.041+/-0.028 χ^2/NDF: 110.2/73

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: 0.029+/-0.063 χ^2/NDF:18.8/19

Left: -0.041+/-0.045 χ^2/NDF: 57.2/39

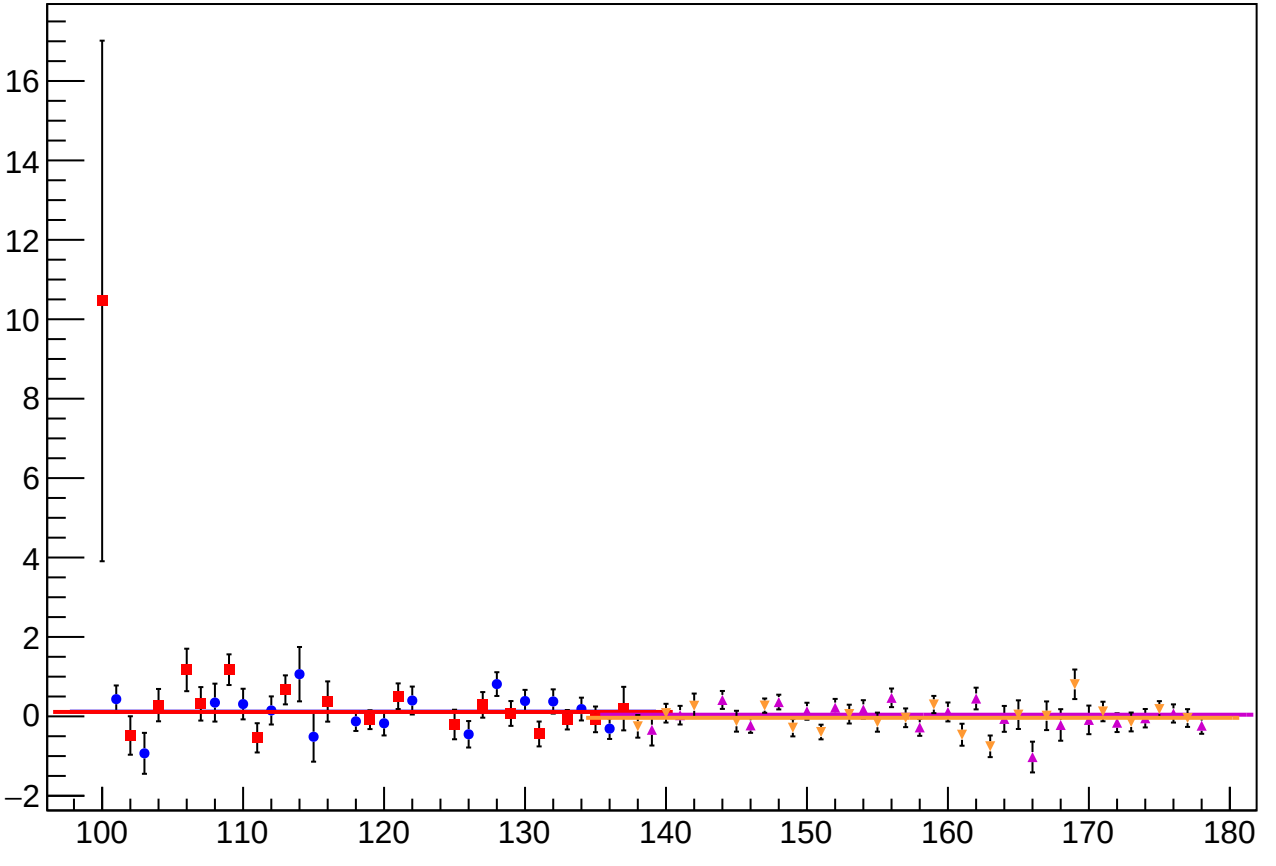
Right: -0.546+/-0.057 χ^2/NDF: 77.6/33

In: -0.198+/-0.050 χ^2/NDF:80.5/35

Out: -0.278+/-0.050 χ^2/NDF:101.6/37

All: -0.237+/-0.035 χ^2/NDF: 183.4/73

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: 0.041+/-0.054 χ^2/NDF:28.5/19

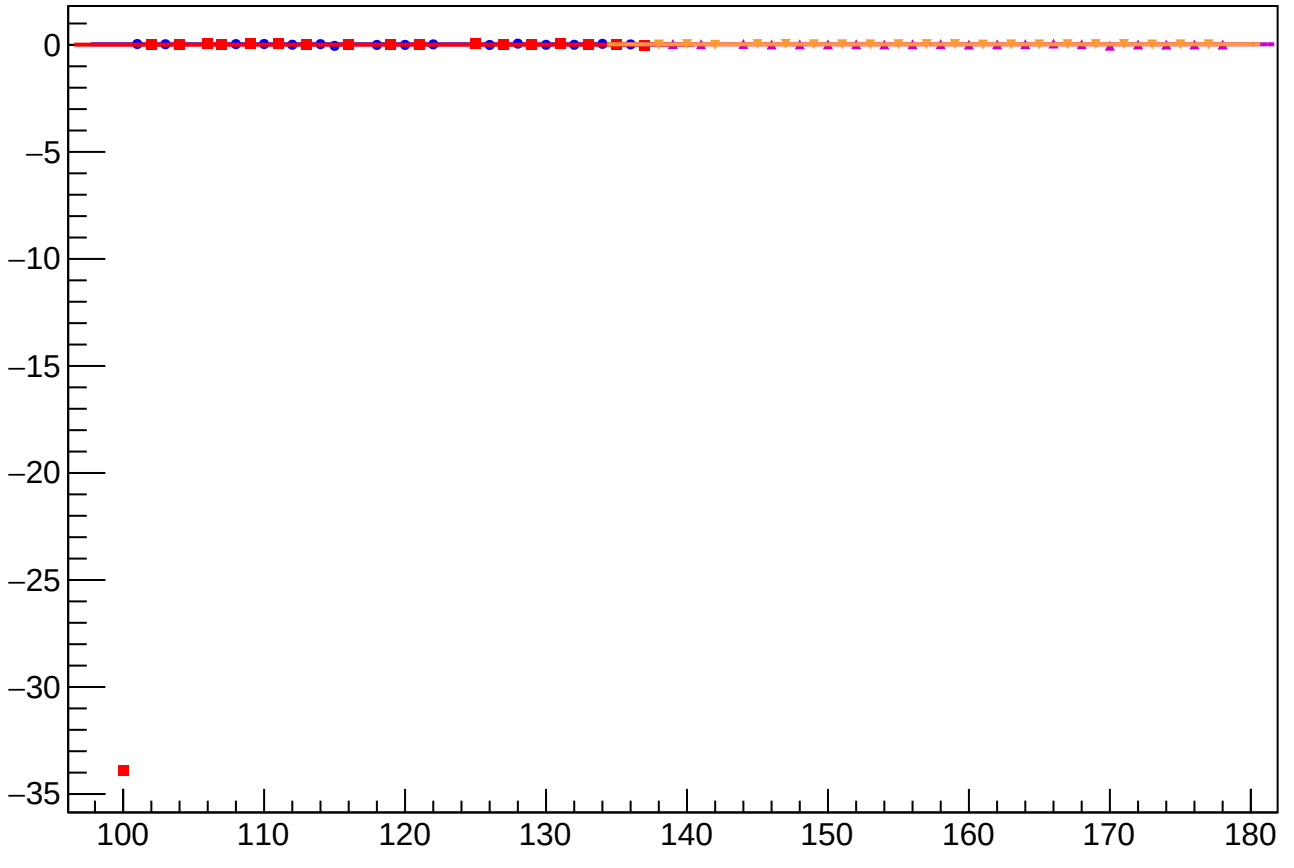
Left: 0.003+/-0.038 χ^2/NDF: 58.4/39

Right: 0.115+/-0.060 χ^2/NDF: 52.6/33

In: 0.064+/-0.045 χ^2/NDF:52.7/35

Out: 0.007+/-0.046 χ^2/NDF:60.1/37

All: 0.035+/-0.032 χ^2/NDF: 113.6/73



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: 0.028+/-0.002 χ^2/NDF:34.1/19

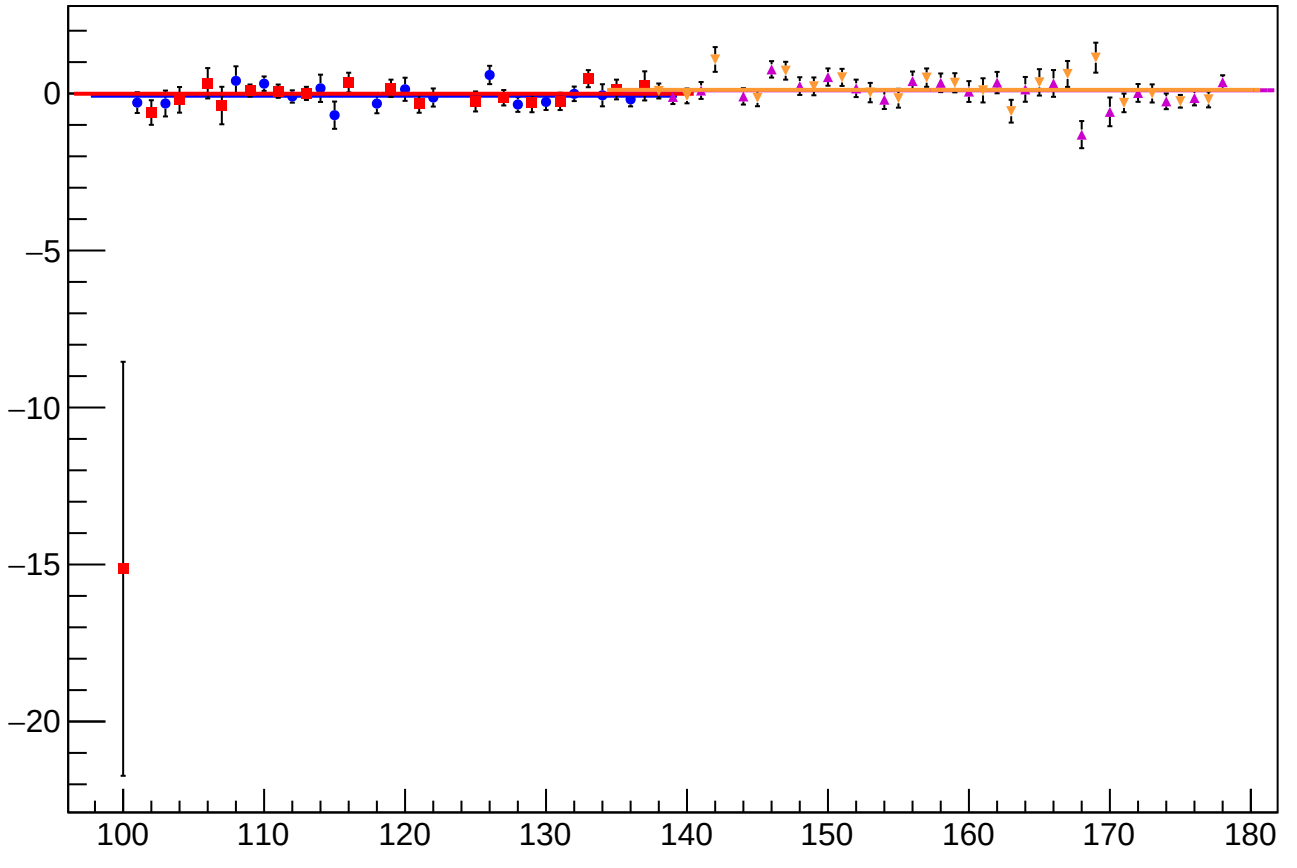
Left: 0.028+/-0.002 χ^2/NDF: 49.2/39

Right: 0.020+/-0.003 χ^2/NDF: 22281.9/33

In: 0.028+/-0.002 χ^2/NDF:48.8/35

Out: 0.025+/-0.002 χ^2/NDF:22285.8/37

All: 0.026+/-0.002 χ^2/NDF: 22335.9/73



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: 0.103+/-0.064 χ^2/NDF:31.3/19

Left: 0.110+/-0.046 χ^2/NDF: 65.7/39

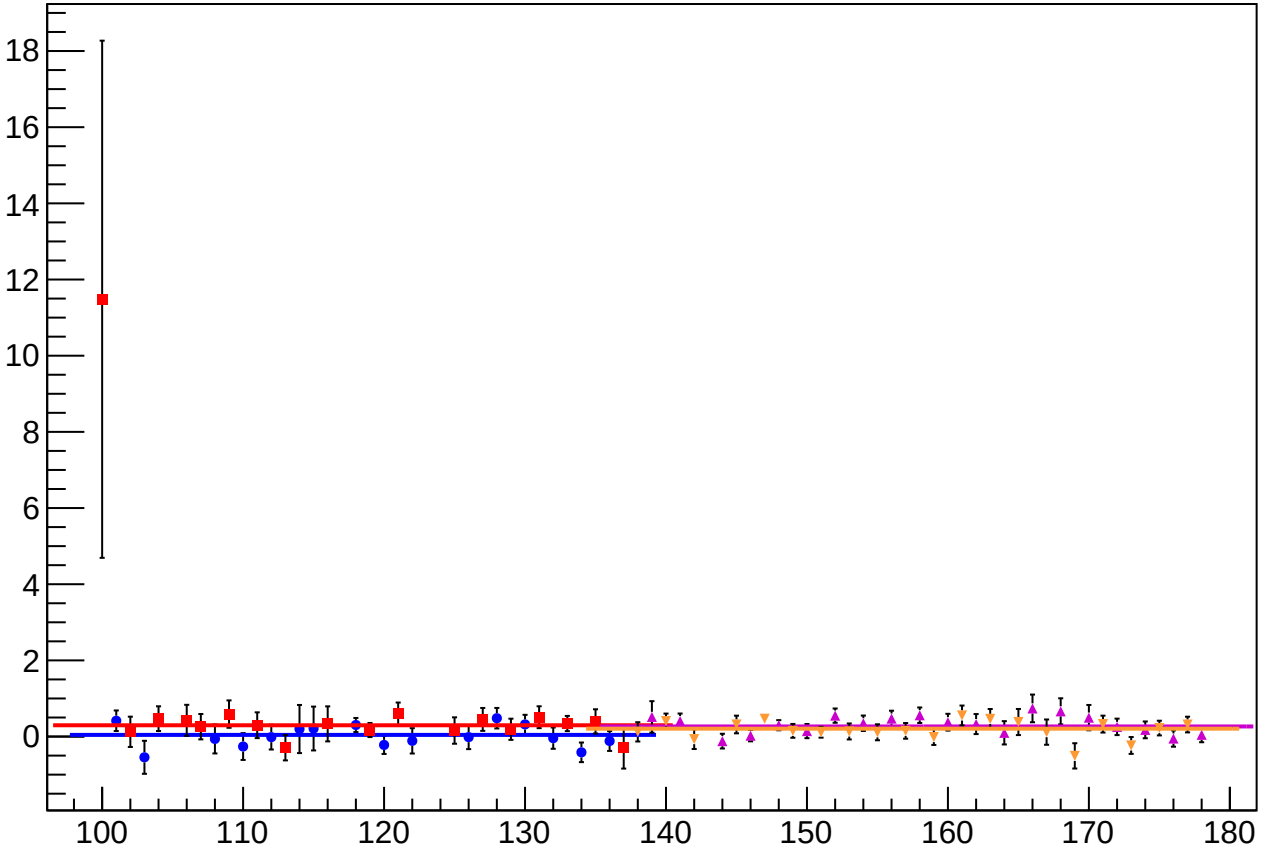
Right: -0.038+/-0.050 χ^2/NDF: 34.1/33

In: 0.025+/-0.048 χ^2/NDF:50.1/35

Out: 0.058+/-0.048 χ^2/NDF:54.2/37

All: 0.042+/-0.034 χ^2/NDF: 104.5/73

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.207+/-0.047 χ^2/NDF:20.8/19

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

Left In: 0.265+/-0.047 χ^2/NDF:21.3/19

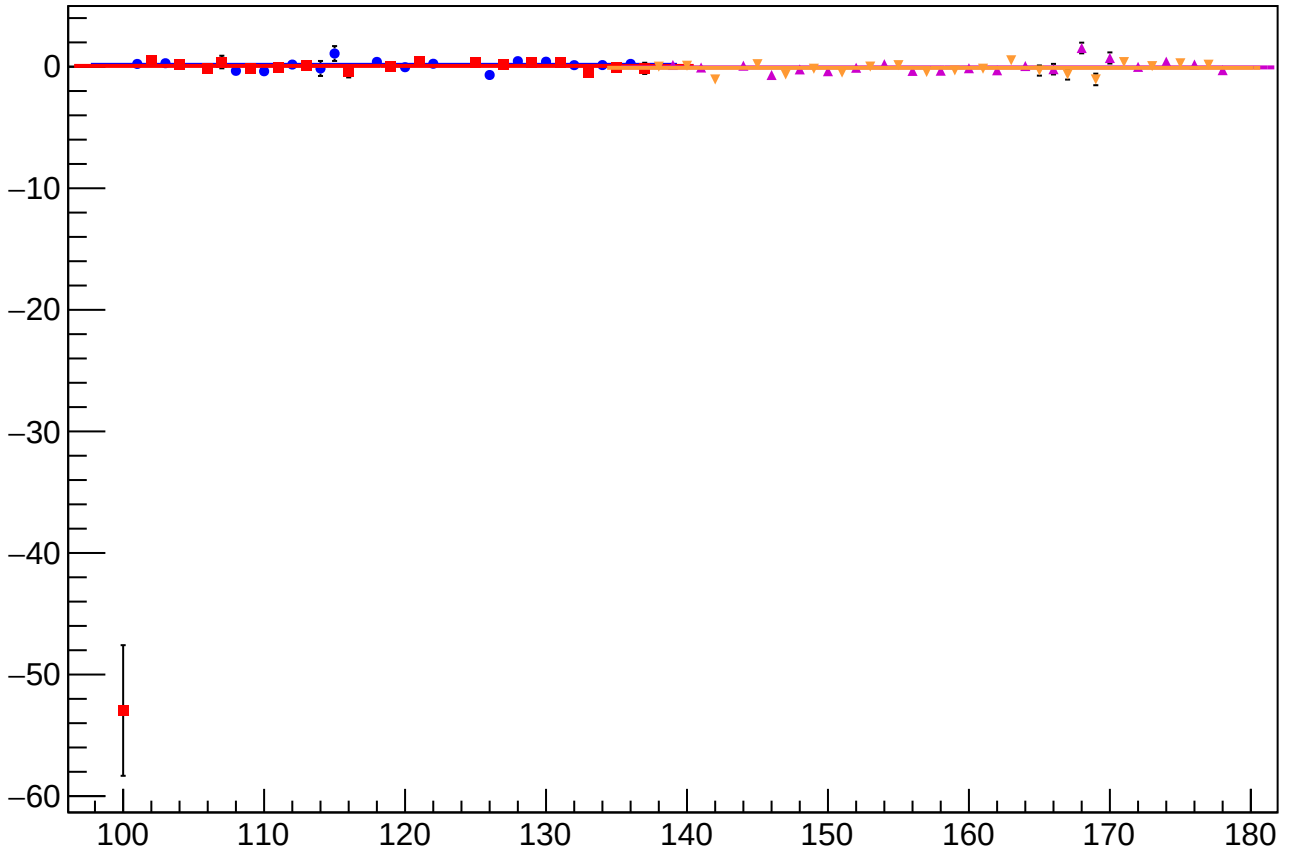
Left: 0.236+/-0.033 χ^2/NDF: 42.9/39

Right: 0.169+/-0.052 χ^2/NDF: 32.6/33

In: 0.200+/-0.040 χ^2/NDF:43.6/35

Out: 0.233+/-0.040 χ^2/NDF:32.8/37

All: 0.216+/-0.028 χ^2/NDF: 76.7/73



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: -0.057+/-0.063 χ^2/NDF:34.1/19

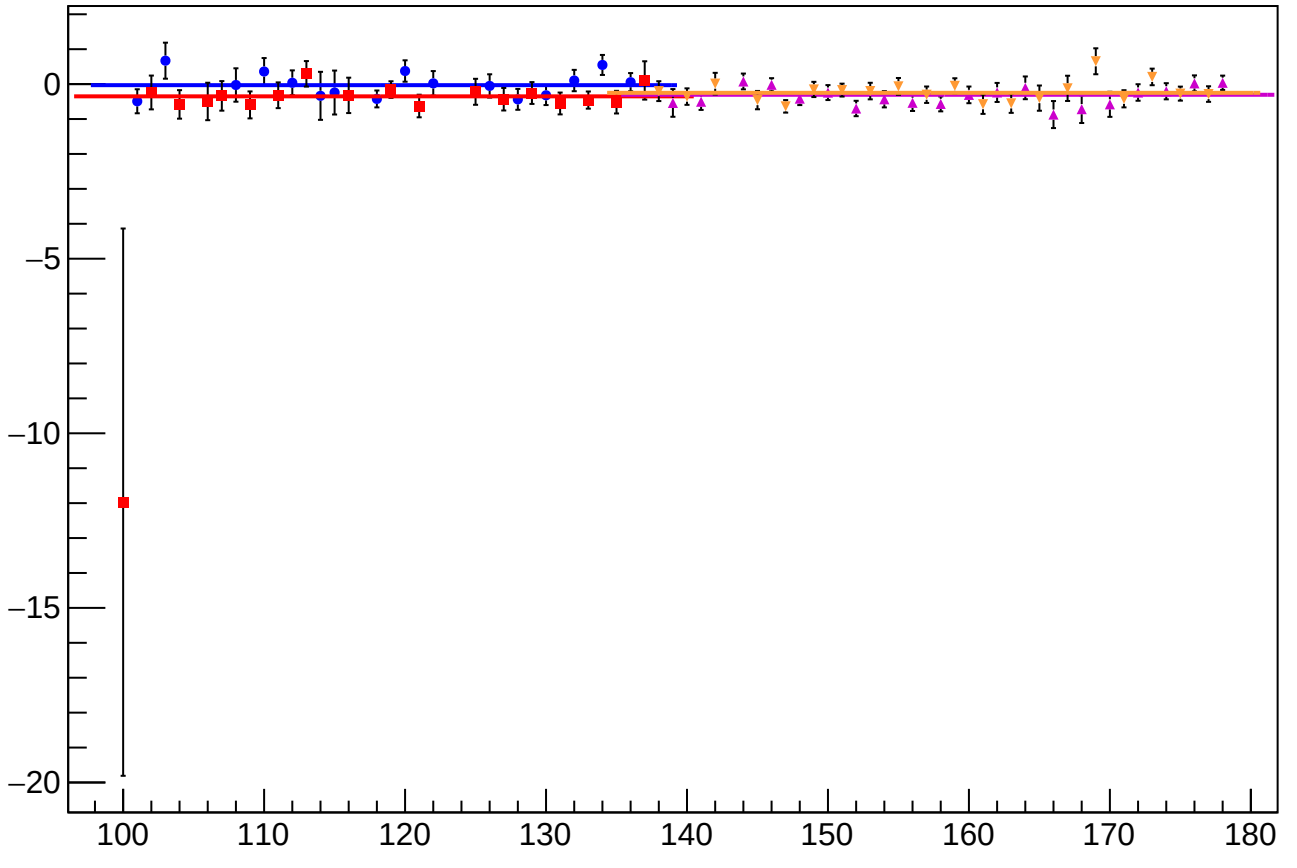
Left: -0.073+/-0.045 χ^2/NDF: 67.3/39

Right: 0.110+/-0.057 χ^2/NDF: 125.5/33

In: 0.024+/-0.050 χ^2/NDF:53.9/35

Out: -0.030+/-0.050 χ^2/NDF:144.7/37

All: -0.002+/-0.035 χ^2/NDF: 199.2/73



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: -0.306+/-0.054 χ^2/NDF:21.9/19

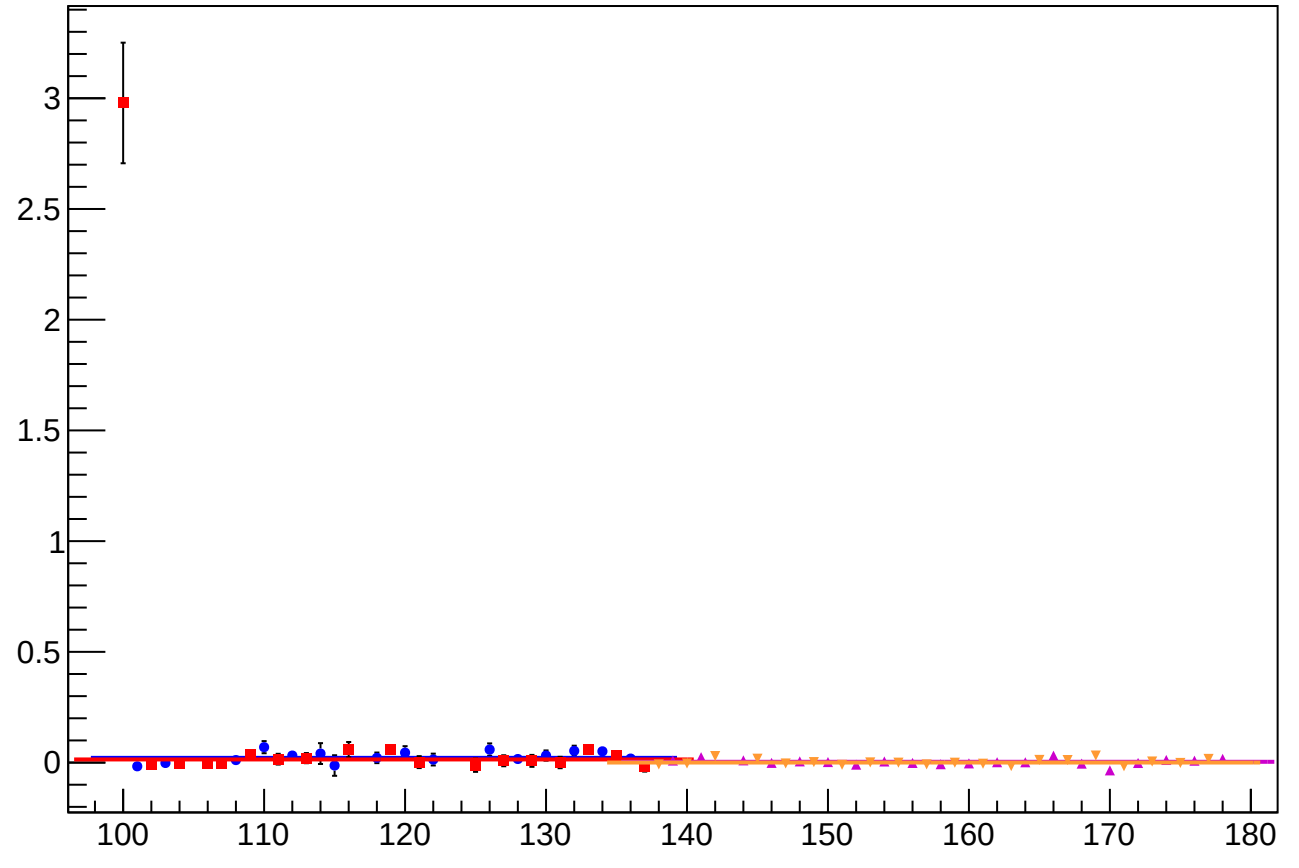
Left: -0.278+/-0.038 χ^2/NDF: 43.7/39

Right: -0.188+/-0.060 χ^2/NDF: 33.4/33

In: -0.225+/-0.045 χ^2/NDF:46.3/35

Out: -0.279+/-0.046 χ^2/NDF:31.6/37

All: -0.252+/-0.032 χ^2/NDF: 78.7/73



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: 0.004+/-0.002 χ^2/NDF:20.3/19

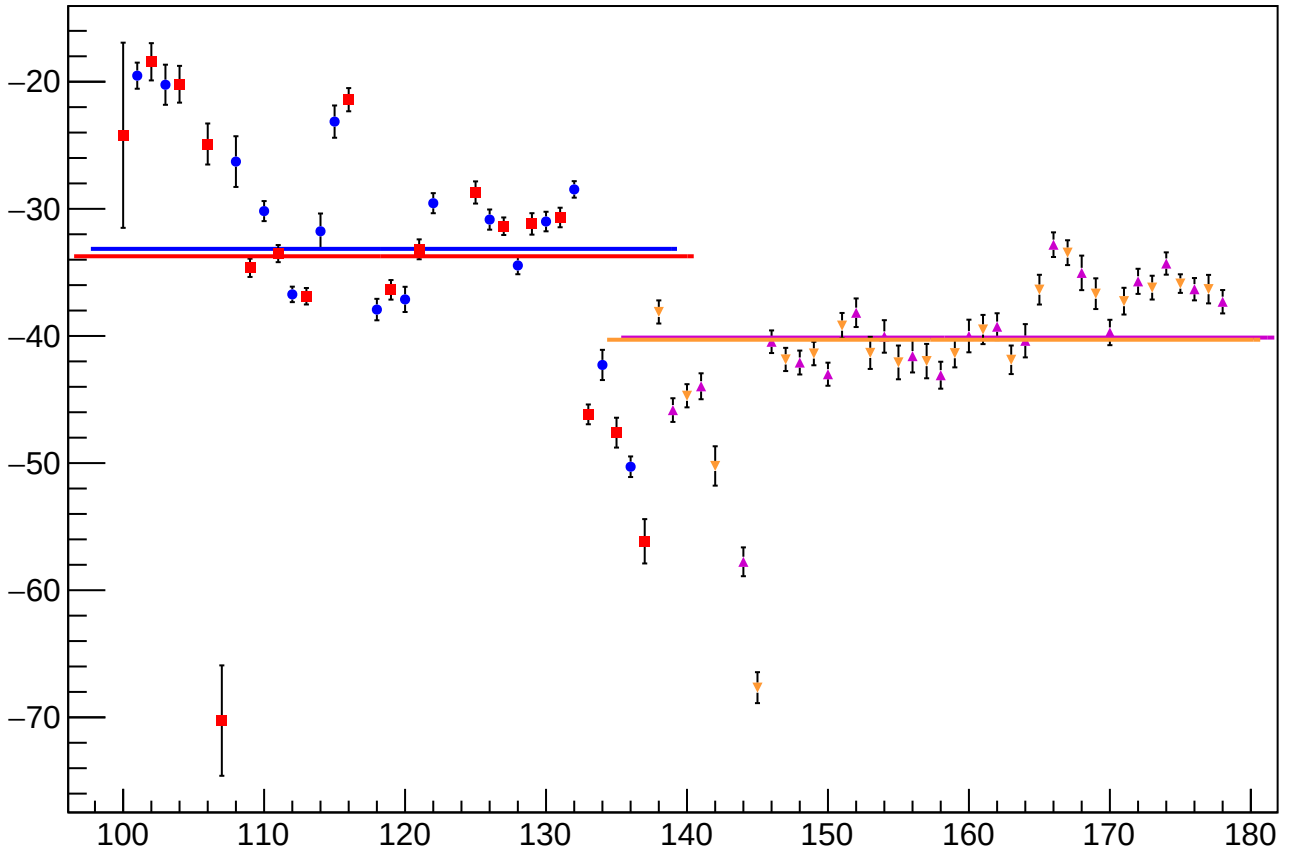
Left: 0.002+/-0.002 χ^2/NDF: 42.6/39

Right: 0.018+/-0.003 χ^2/NDF: 164.5/33

In: 0.007+/-0.002 χ^2/NDF:53.7/35

Out: 0.003+/-0.002 χ^2/NDF:168.6/37

All: 0.005+/-0.002 χ^2/NDF: 224.1/73



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: -40.128+/-0.230 χ^2/NDF:484.3/19

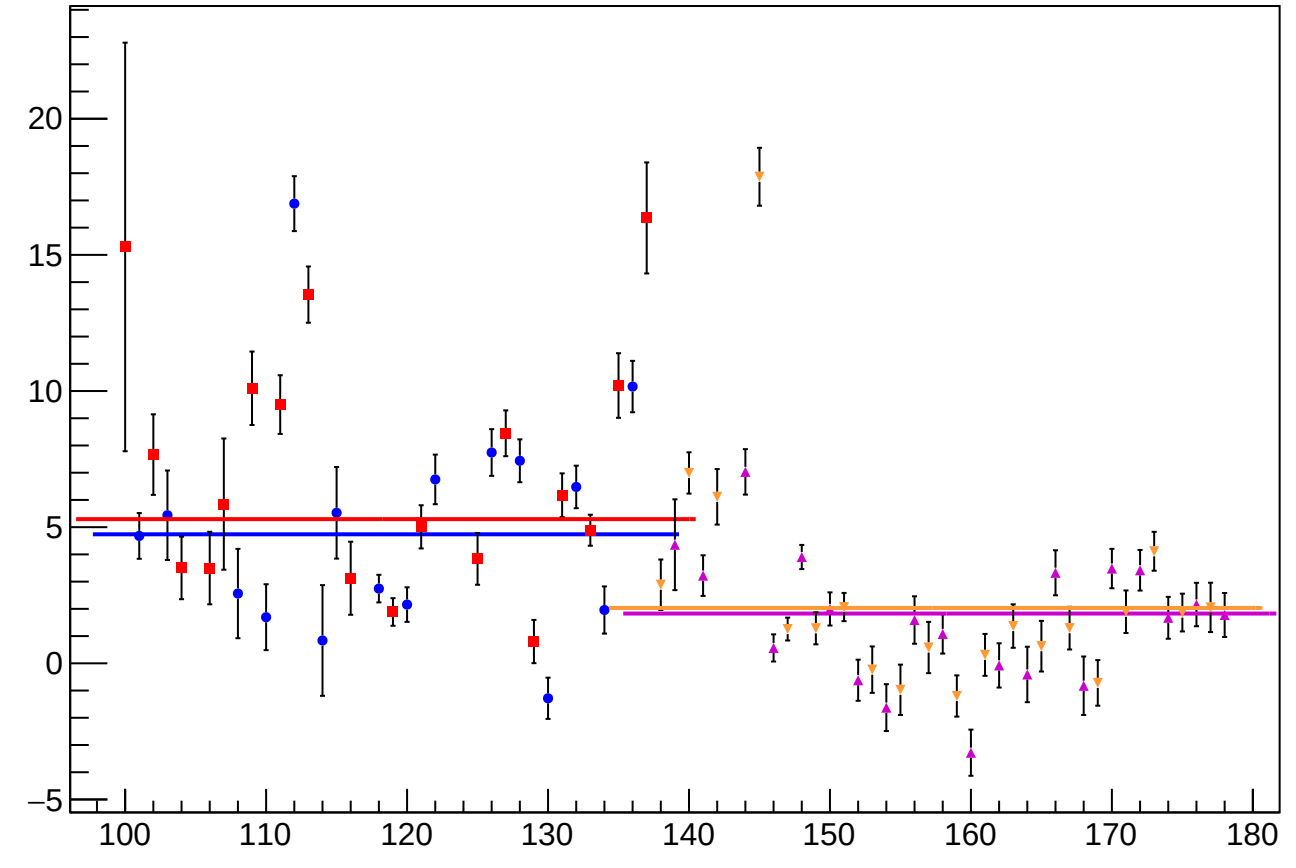
Left: -40.210+/-0.164 χ^2/NDF: 1219.1/39

Right: -33.443+/-0.153 χ^2/NDF: 2166.0/33

In: -36.450+/-0.158 χ^2/NDF:1983.3/35

Out: -36.724+/-0.158 χ^2/NDF:2308.7/37

All: -36.587+/-0.112 χ^2/NDF: 4293.5/73



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: 1.828+/-0.166 χ^2/NDF:166.8/19

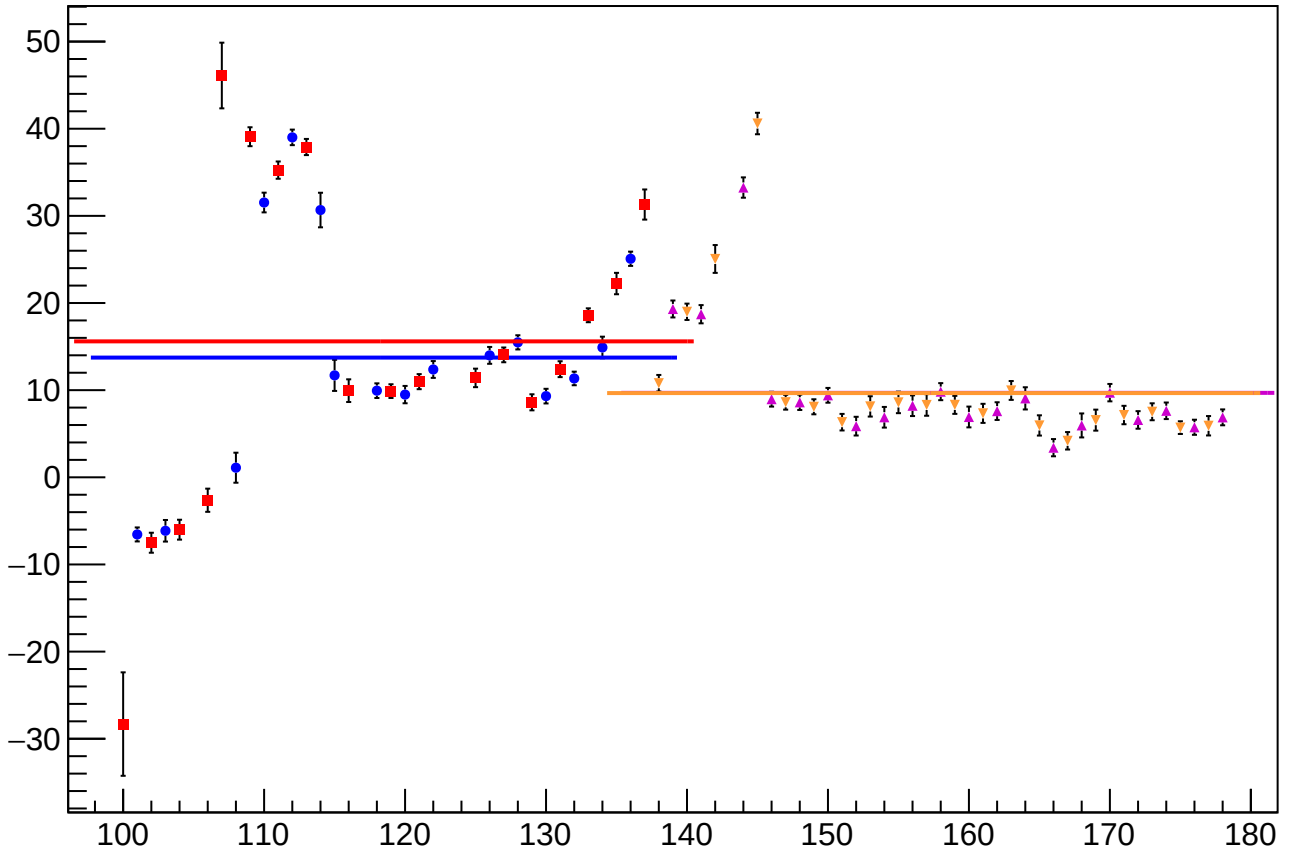
Left: 1.931+/-0.117 χ^2/NDF: 520.2/39

Right: 5.012+/-0.156 χ^2/NDF: 577.8/33

In: 2.886+/-0.132 χ^2/NDF:608.6/35

Out: 3.183+/-0.133 χ^2/NDF:735.8/37

All: 3.034+/-0.094 χ^2/NDF: 1346.9/73



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: 9.690+/-0.226 χ^2/NDF:704.4/19

Left: 9.678+/-0.161 χ^2/NDF: 1653.2/39

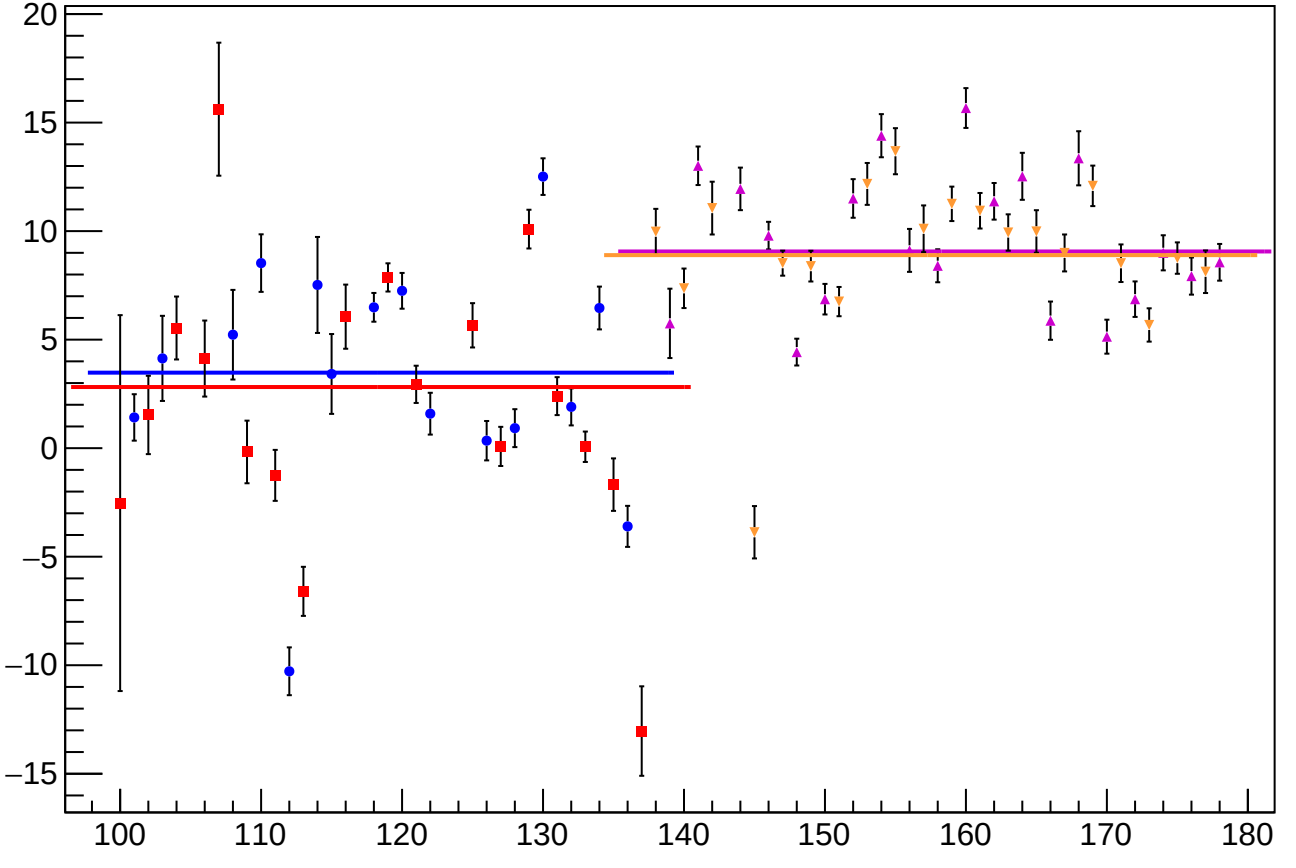
Right: 14.656+/-0.176 χ^2/NDF: 5204.2/33

In: 11.537+/-0.167 χ^2/NDF:3200.6/35

Out: 12.388+/-0.169 χ^2/NDF:4079.8/37

All: 11.956+/-0.119 χ^2/NDF: 7293.2/73

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 9.063+/-0.190 χ^2/NDF:266.4/19

Left: 8.978+/-0.135 χ^2/NDF: 478.0/39

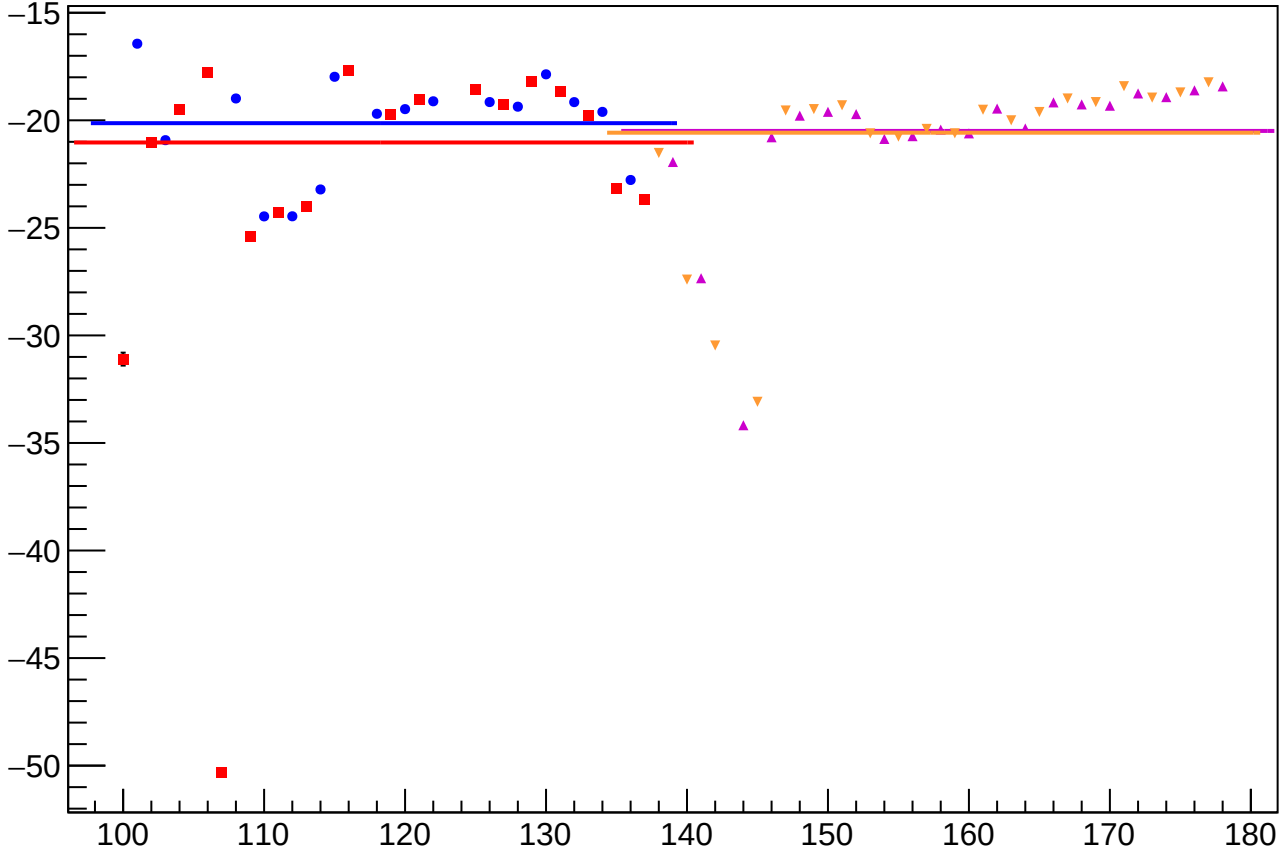
Right: 3.153+/-0.181 χ^2/NDF: 776.3/33

In: 7.053+/-0.152 χ^2/NDF:1004.1/35

Out: 6.742+/-0.153 χ^2/NDF:917.0/37

All: 6.899+/-0.108 χ^2/NDF: 1923.2/73

reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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: -20.494+/-0.009 χ^2/NDF:110841.1/19

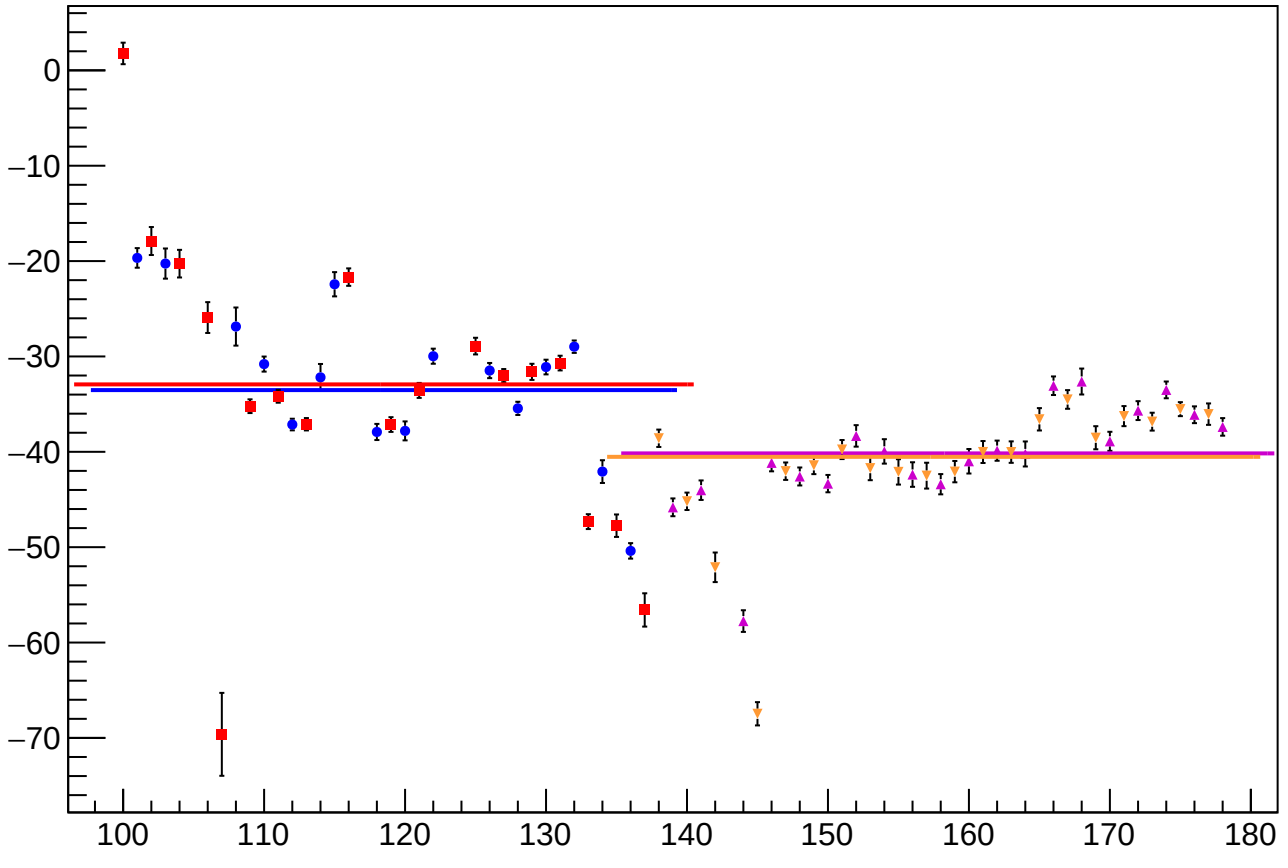
Left: -20.534+/-0.006 χ^2/NDF: 246968.5/39

Right: -20.570+/-0.011 χ^2/NDF: 78882.9/33

In: -20.414+/-0.008 χ^2/NDF:131067.2/35

Out: -20.676+/-0.008 χ^2/NDF:194200.7/37

All: -20.542+/-0.005 χ^2/NDF: 325859.0/73



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: -40.166+/-0.230 χ^2/NDF:519.7/19

Left: -40.342+/-0.165 χ^2/NDF: 1252.1/39

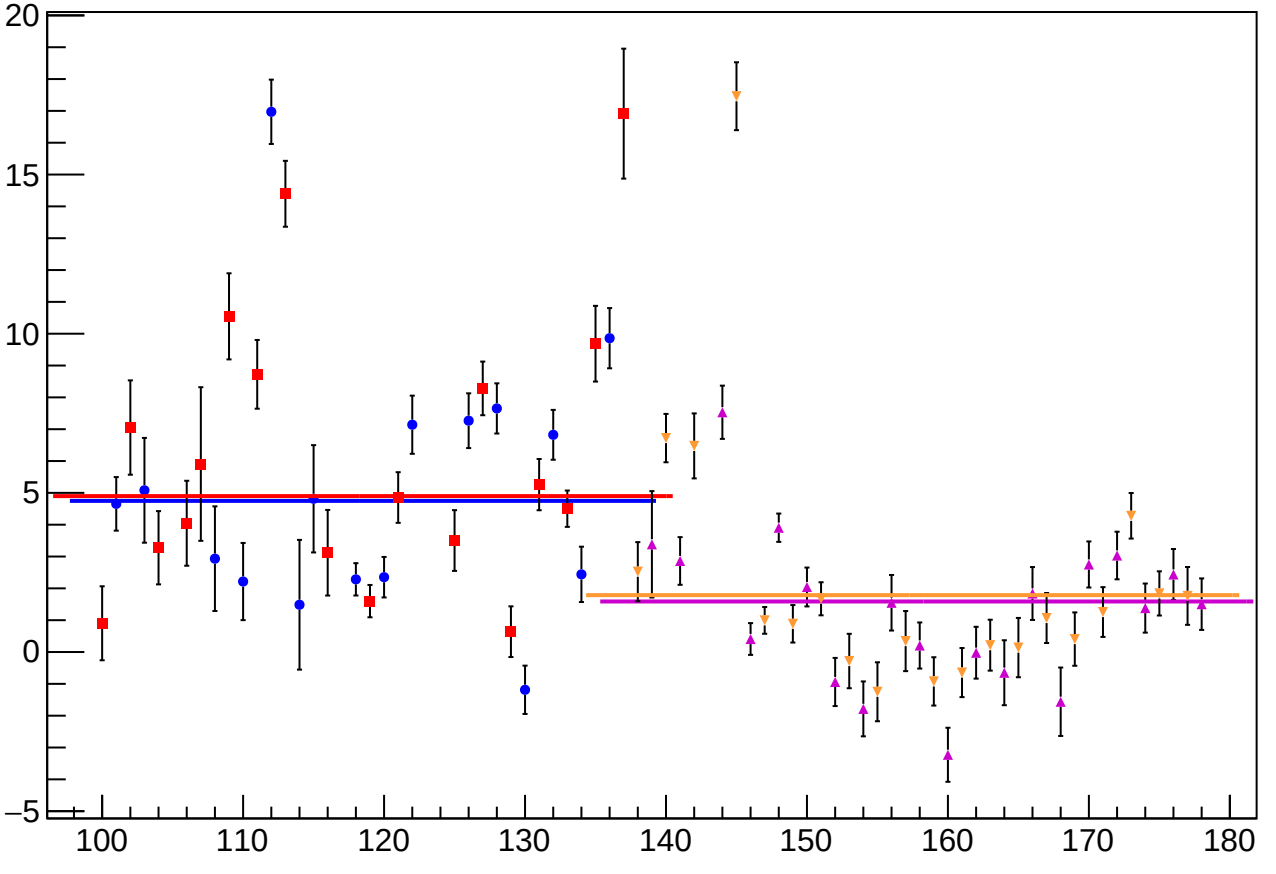
Right: -33.220+/-0.152 χ^2/NDF: 3182.6/33

In: -36.669+/-0.159 χ^2/NDF:1965.2/35

Out: -36.330+/-0.157 χ^2/NDF:3477.9/37

All: -36.498+/-0.112 χ^2/NDF: 5445.4/73

reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 1.588+/-0.166 χ^2/NDF:175.1/19

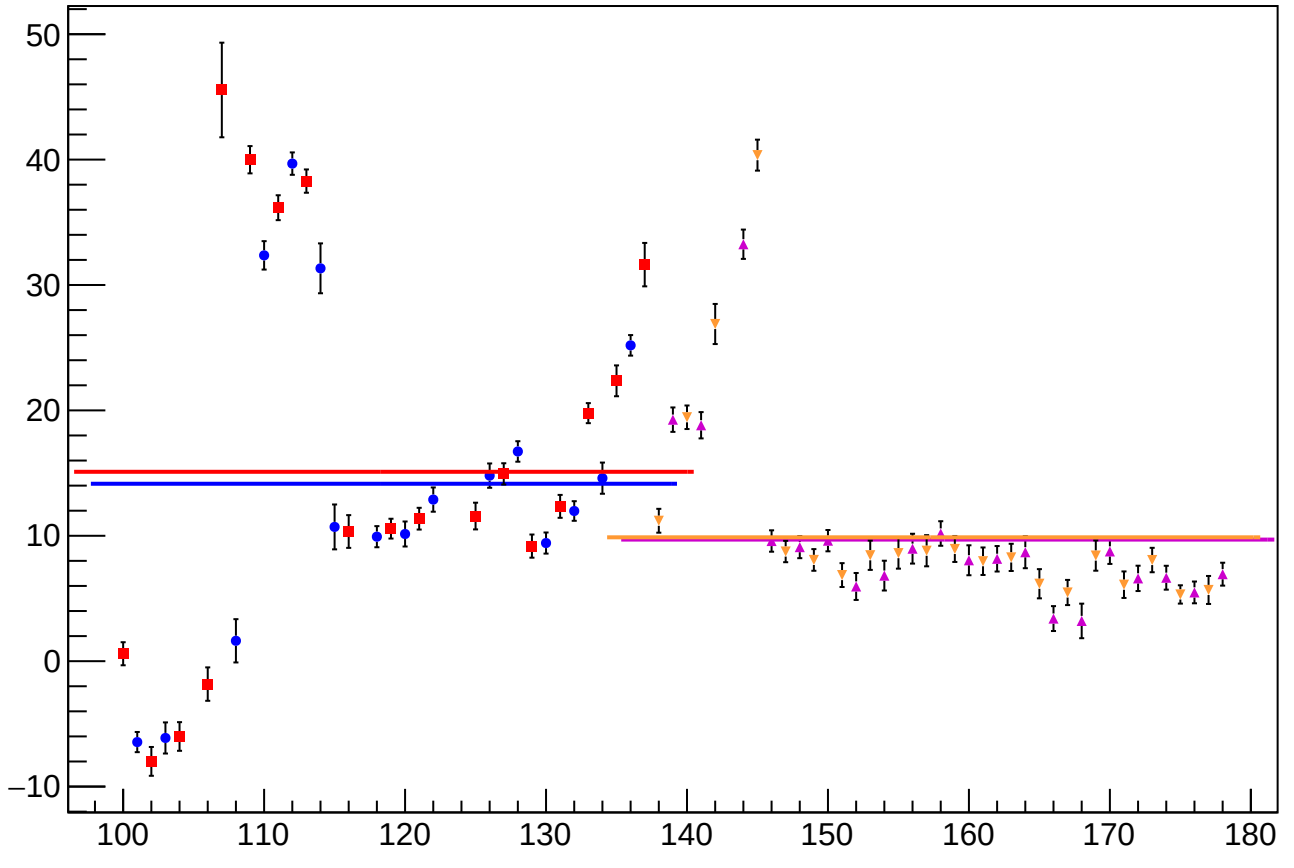
Left: 1.688+/-0.117 χ^2/NDF: 526.4/39

Right: 4.823+/-0.155 χ^2/NDF: 599.0/33

In: 2.737+/-0.132 χ^2/NDF:632.6/35

Out: 2.908+/-0.132 χ^2/NDF:751.6/37

All: 2.823+/-0.094 χ^2/NDF: 1385.1/73



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: 9.697+/-0.226 χ^2/NDF:717.5/19

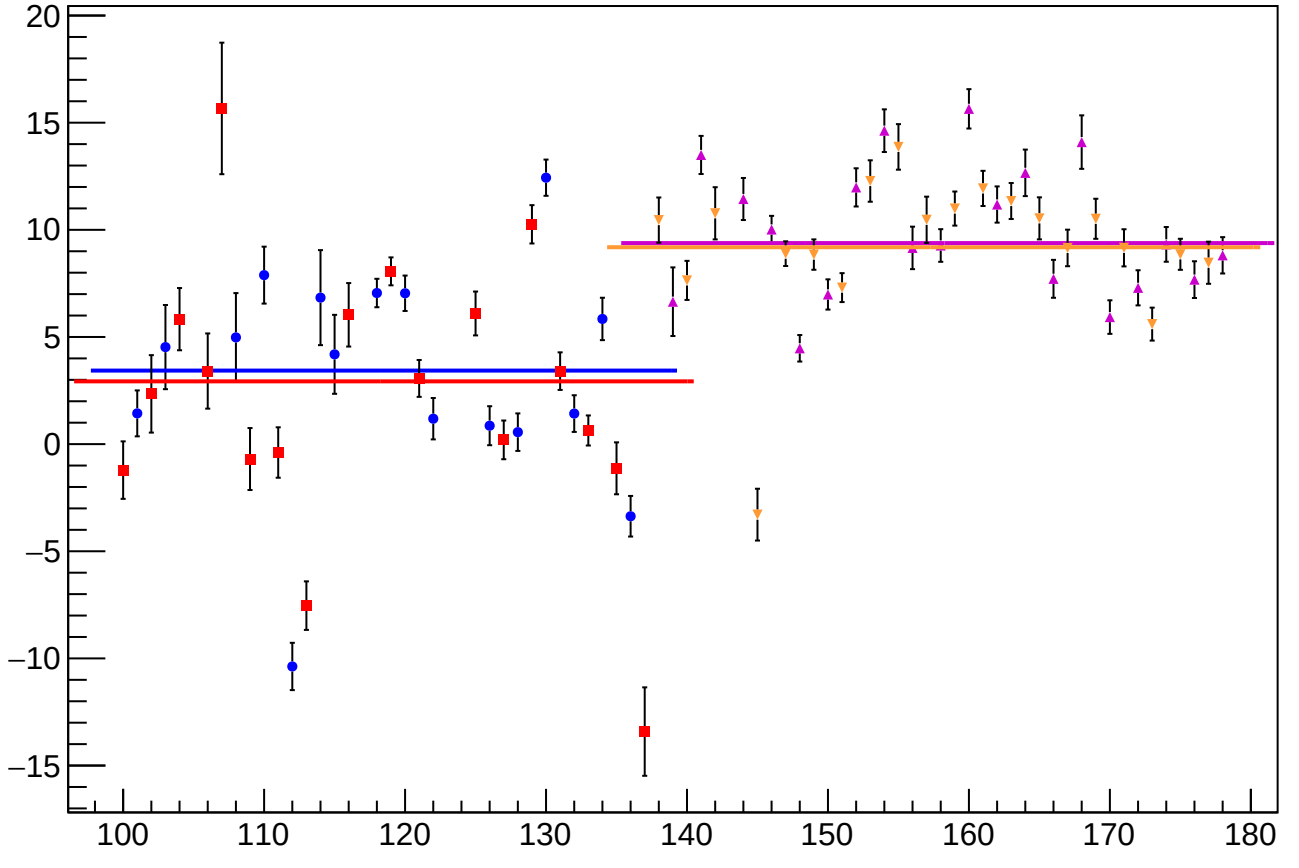
Left: 9.785+/-0.162 χ^2/NDF: 1671.4/39

Right: 14.636+/-0.173 χ^2/NDF: 5512.3/33

In: 11.728+/-0.167 χ^2/NDF:3296.2/35

Out: 12.365+/-0.167 χ^2/NDF:4300.2/37

All: 12.047+/-0.118 χ^2/NDF: 7603.7/73



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: 9.381+/-0.191 χ^2/NDF:248.9/19

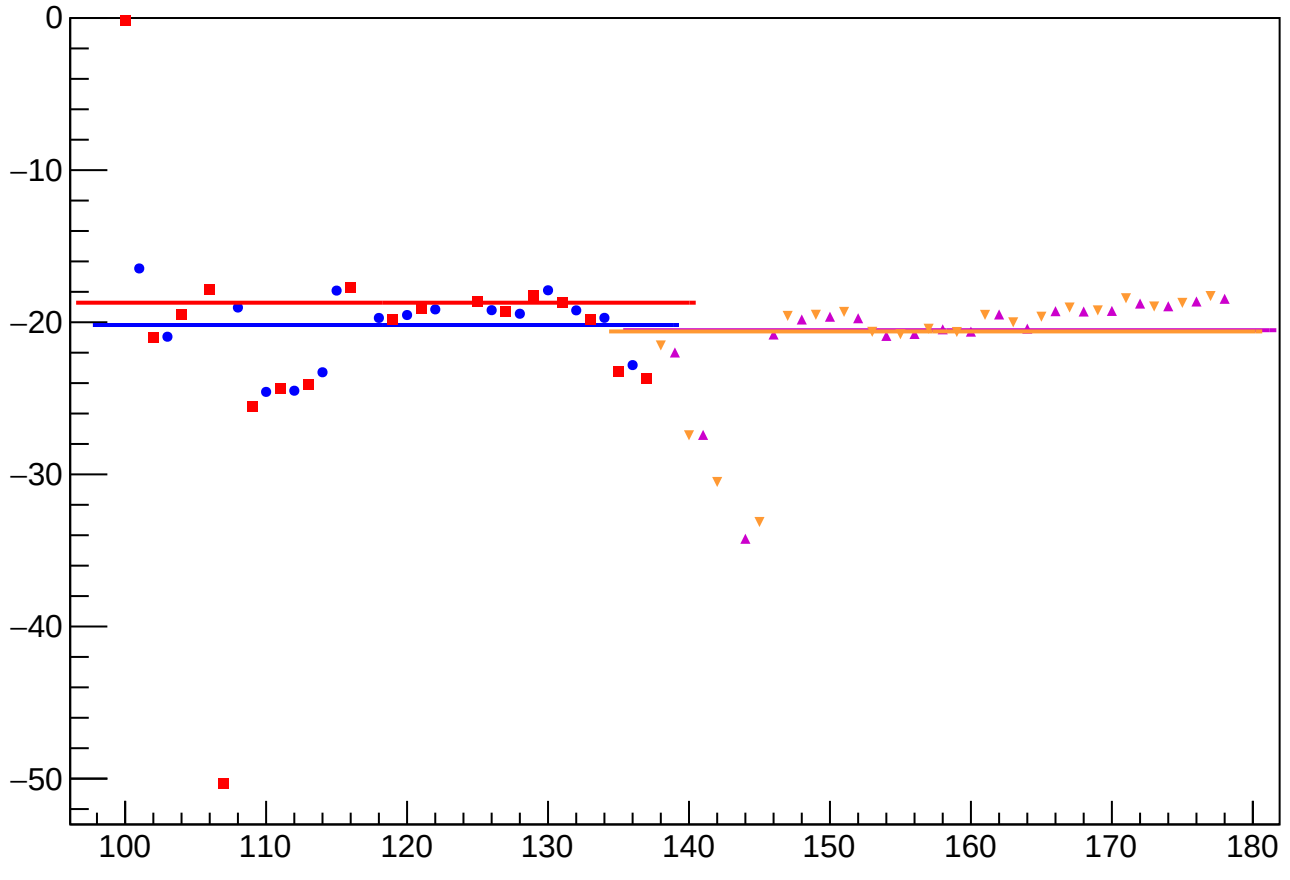
Left: 9.285+/-0.135 χ^2/NDF: 450.6/39

Right: 3.179+/-0.179 χ^2/NDF: 793.7/33

In: 7.241+/-0.152 χ^2/NDF:1023.6/35

Out: 6.923+/-0.152 χ^2/NDF:958.5/37

All: 7.082+/-0.108 χ^2/NDF: 1984.3/73



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: -20.523+/-0.009 χ^2/NDF:111094.9/19

Left: -20.562+/-0.006 χ^2/NDF: 246868.0/39

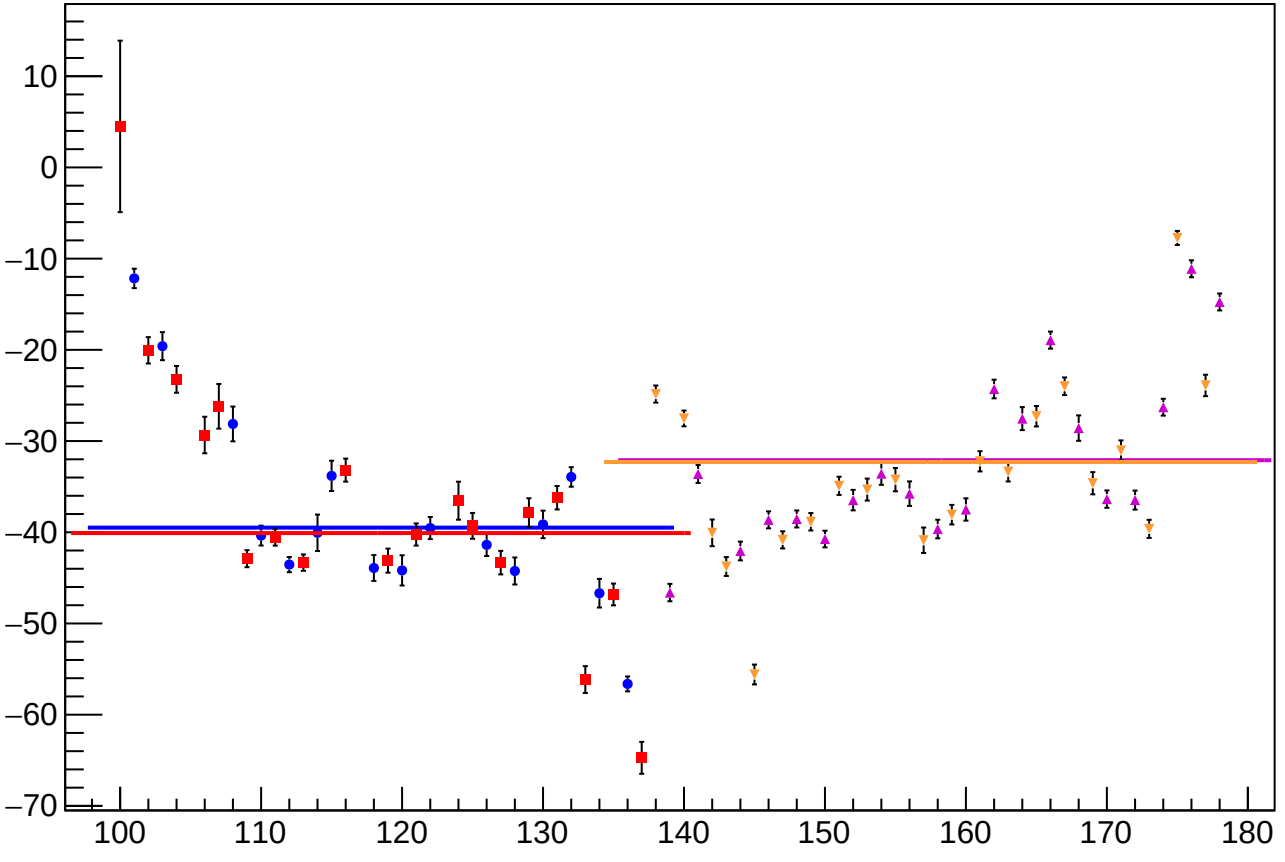
Right: -19.425+/-0.011 χ^2/NDF: 258824.1/33

In: -20.447+/-0.008 χ^2/NDF:131305.4/35

Out: -20.146+/-0.008 χ^2/NDF:381559.8/37

All: -20.298+/-0.005 χ^2/NDF: 513646.0/73

reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -32.295+/-0.229 χ^2/NDF:2129.8/20

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

Left In: -32.100+/-0.230 χ^2/NDF:1822.1/19

Left: -32.198+/-0.162 χ^2/NDF: 3952.2/40

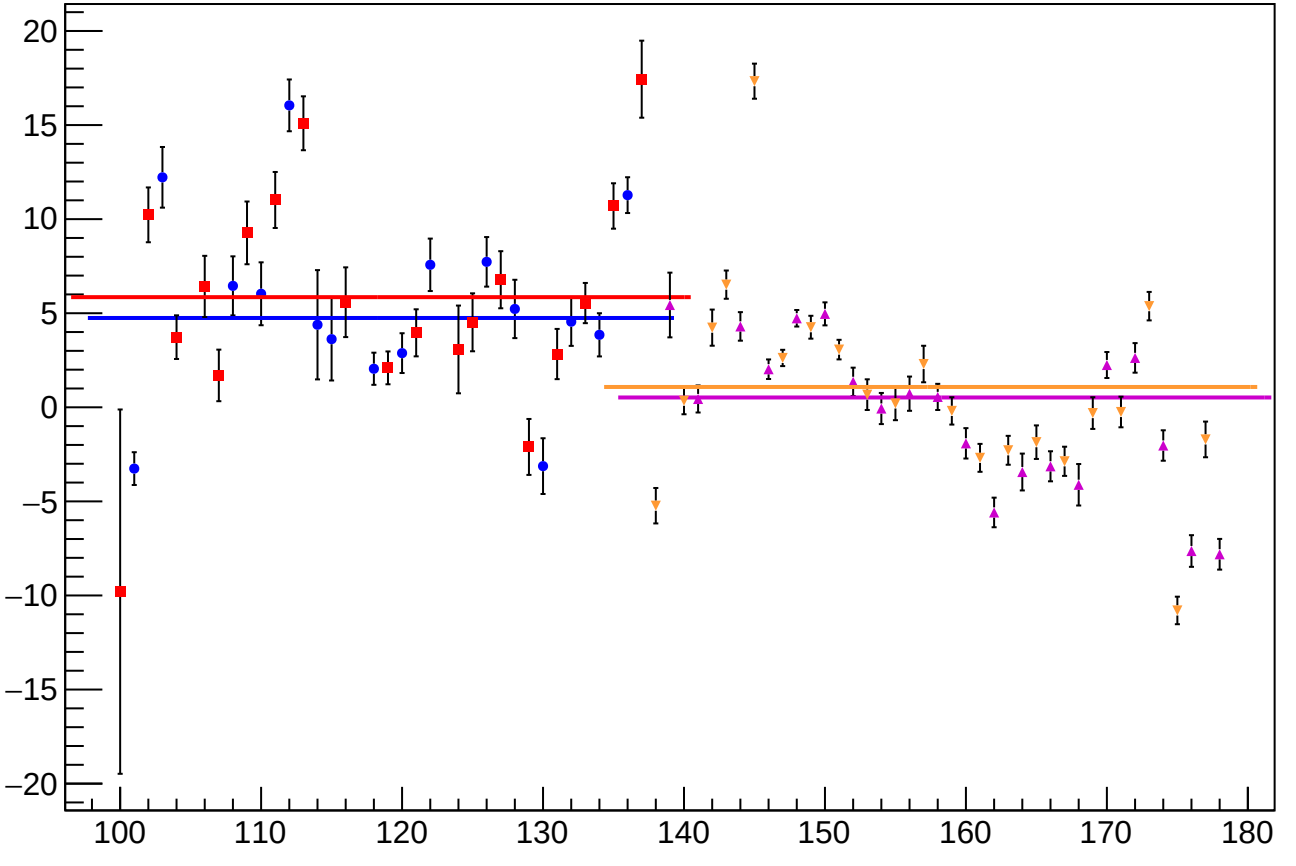
Right: -39.795+/-0.218 χ^2/NDF: 2253.9/34

In: -34.711+/-0.185 χ^2/NDF:3605.4/35

Out: -35.079+/-0.184 χ^2/NDF:3378.8/39

All: -34.896+/-0.130 χ^2/NDF: 6986.2/75

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: 1.081+/-0.161 χ^2/NDF:864.9/20

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

Left In: 0.522+/-0.165 χ^2/NDF:533.8/19

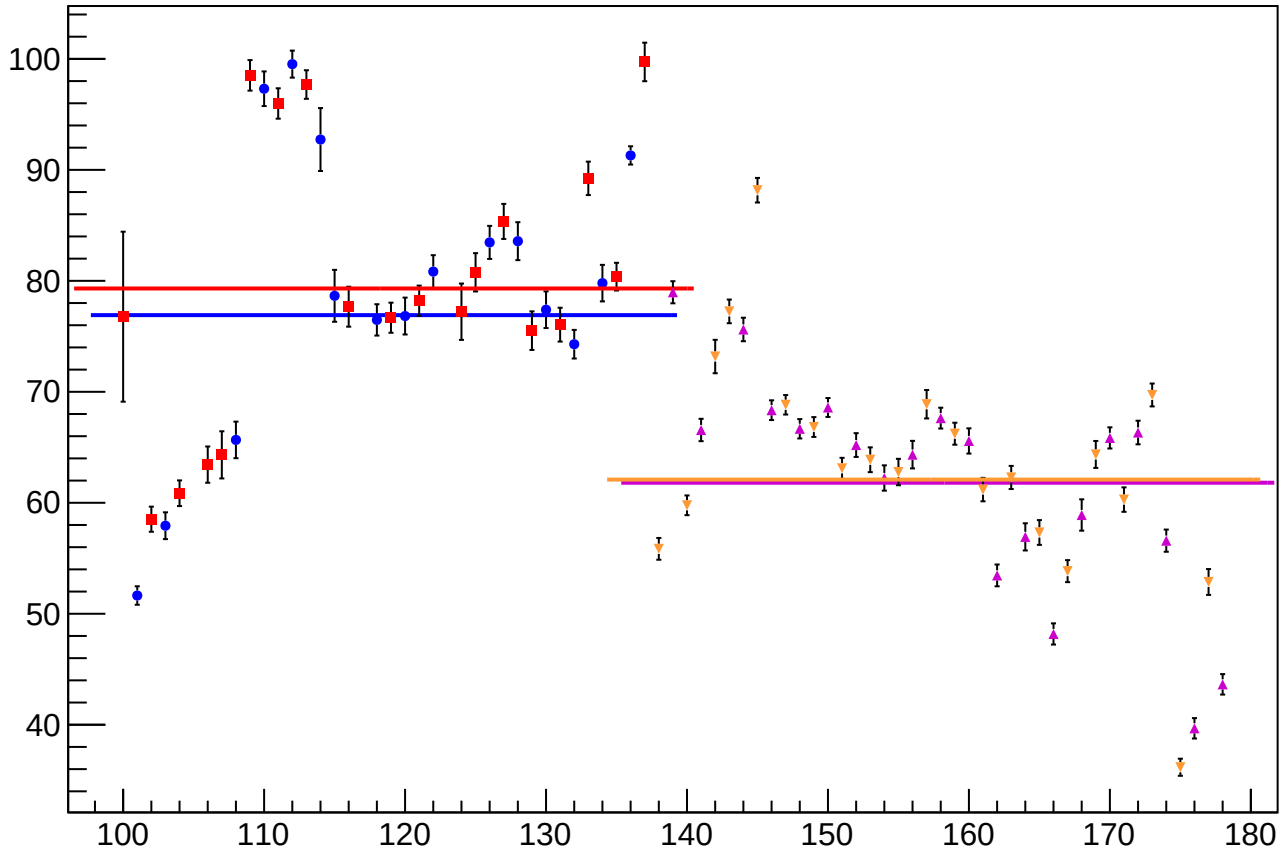
Left: 0.808+/-0.115 χ^2/NDF: 1404.5/40

Right: 5.287+/-0.226 χ^2/NDF: 467.4/34

In: 1.426+/-0.146 χ^2/NDF:948.2/35

Out: 2.026+/-0.144 χ^2/NDF:1226.7/39

All: 1.730+/-0.103 χ^2/NDF: 2183.5/75



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: 61.809+/-0.225 χ^2/NDF:2030.2/19

Left: 61.950+/-0.159 χ^2/NDF: 4369.6/40

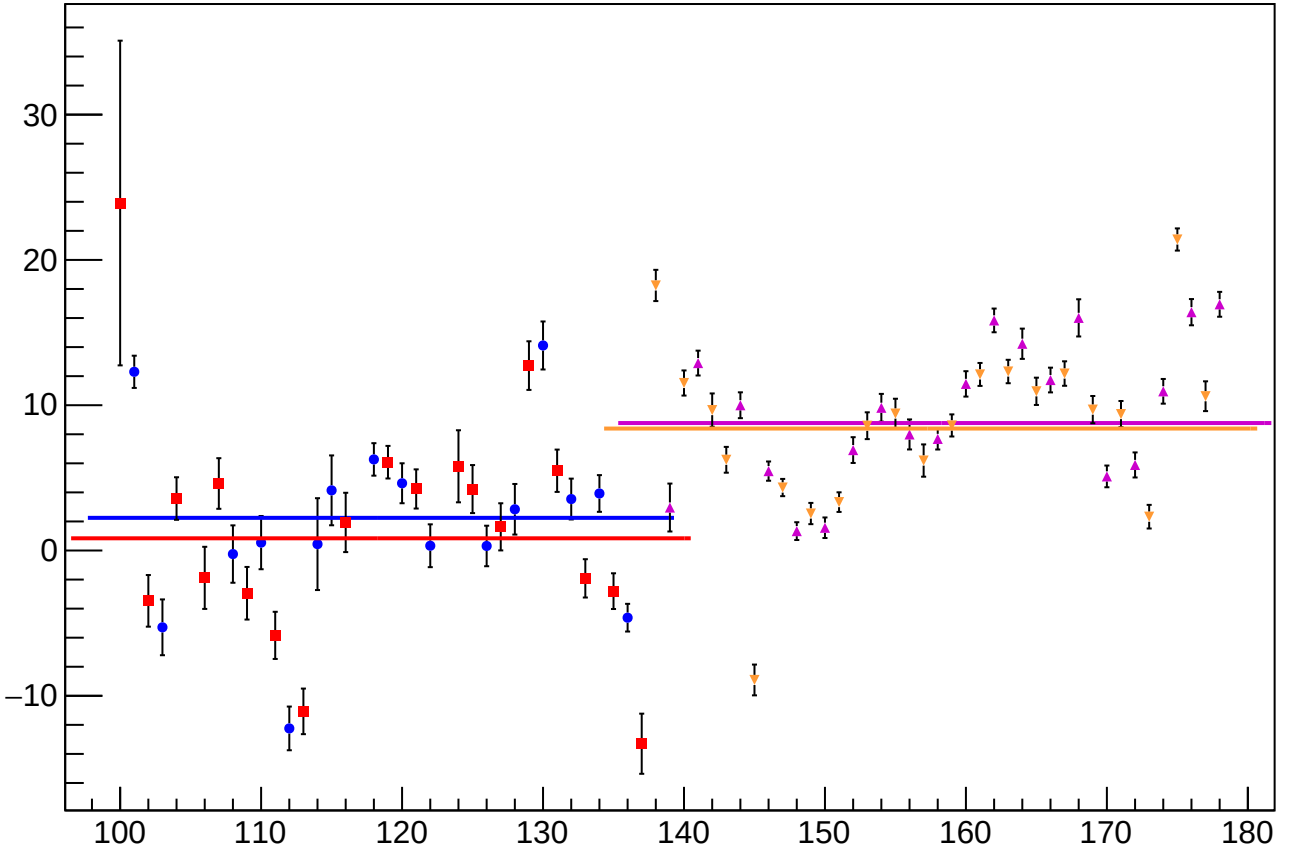
Right: 78.071+/-0.242 χ^2/NDF: 3636.9/34

In: 66.479+/-0.187 χ^2/NDF:5534.1/35

Out: 67.172+/-0.189 χ^2/NDF:5562.4/39

All: 66.822+/-0.133 χ^2/NDF: 11103.4/75

reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 8.773+/-0.189 χ^2/NDF:683.0/19

Left: 8.580+/-0.133 χ^2/NDF: 1655.5/40

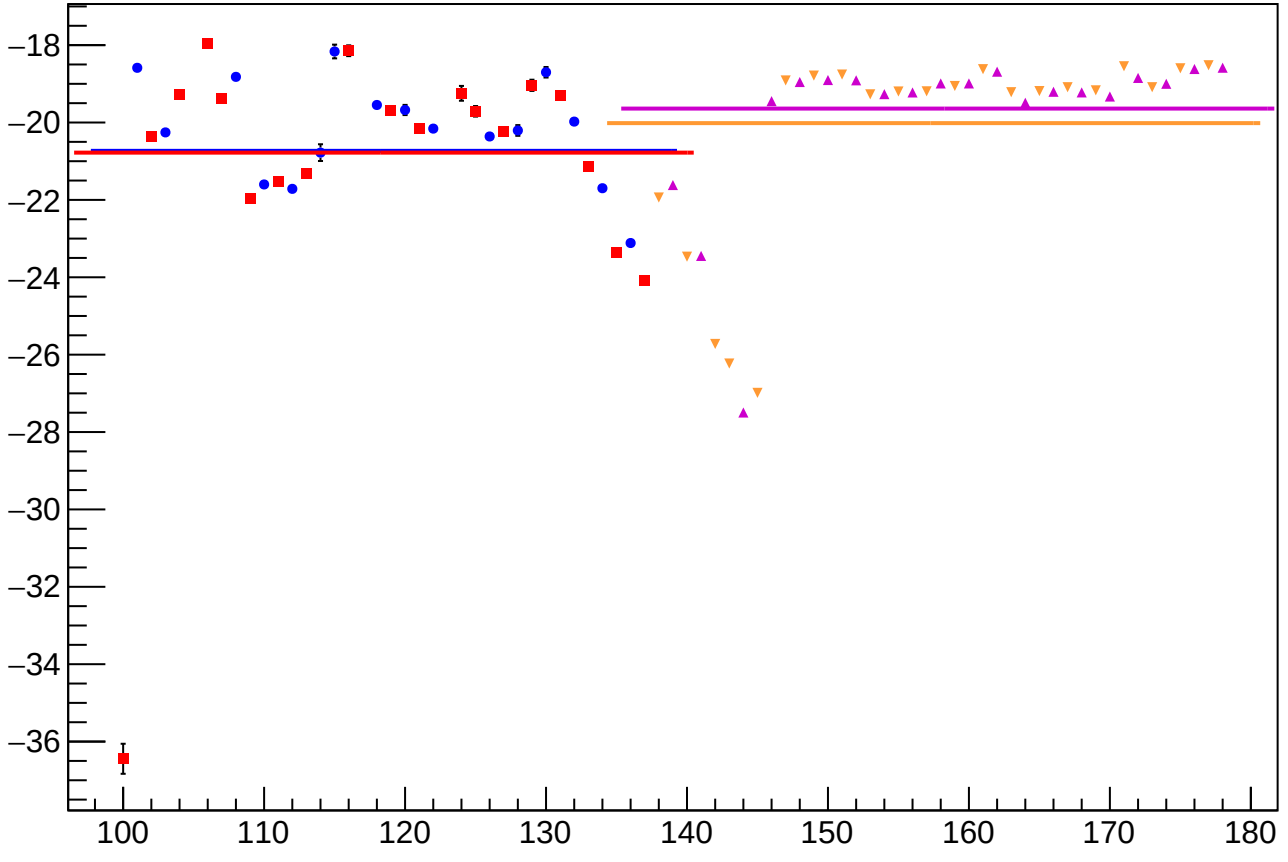
Right: 1.561+/-0.260 χ^2/NDF: 583.2/34

In: 7.381+/-0.168 χ^2/NDF:1256.7/35

Out: 6.884+/-0.166 χ^2/NDF:1556.4/39

All: 7.130+/-0.118 χ^2/NDF: 2817.6/75

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: -19.640+/-0.009 χ^2/NDF:44281.9/19

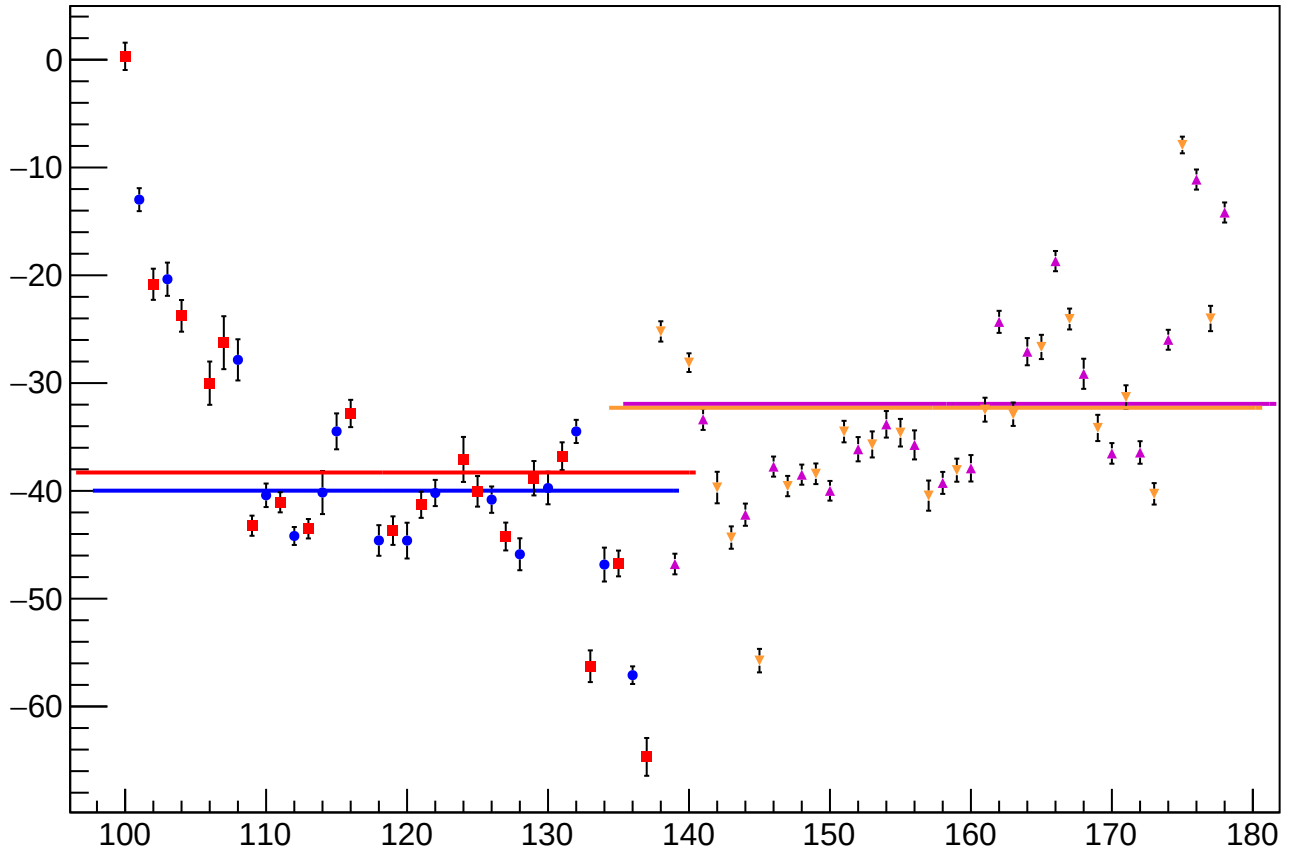
Left: -19.826+/-0.006 χ^2/NDF: 122035.2/40

Right: -20.755+/-0.014 χ^2/NDF: 17063.4/34

In: -19.817+/-0.008 χ^2/NDF:54567.8/35

Out: -20.133+/-0.008 χ^2/NDF:87426.2/39

All: -19.973+/-0.006 χ^2/NDF: 142801.6/75



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: -31.928+/-0.230 χ^2/NDF:1826.5/19

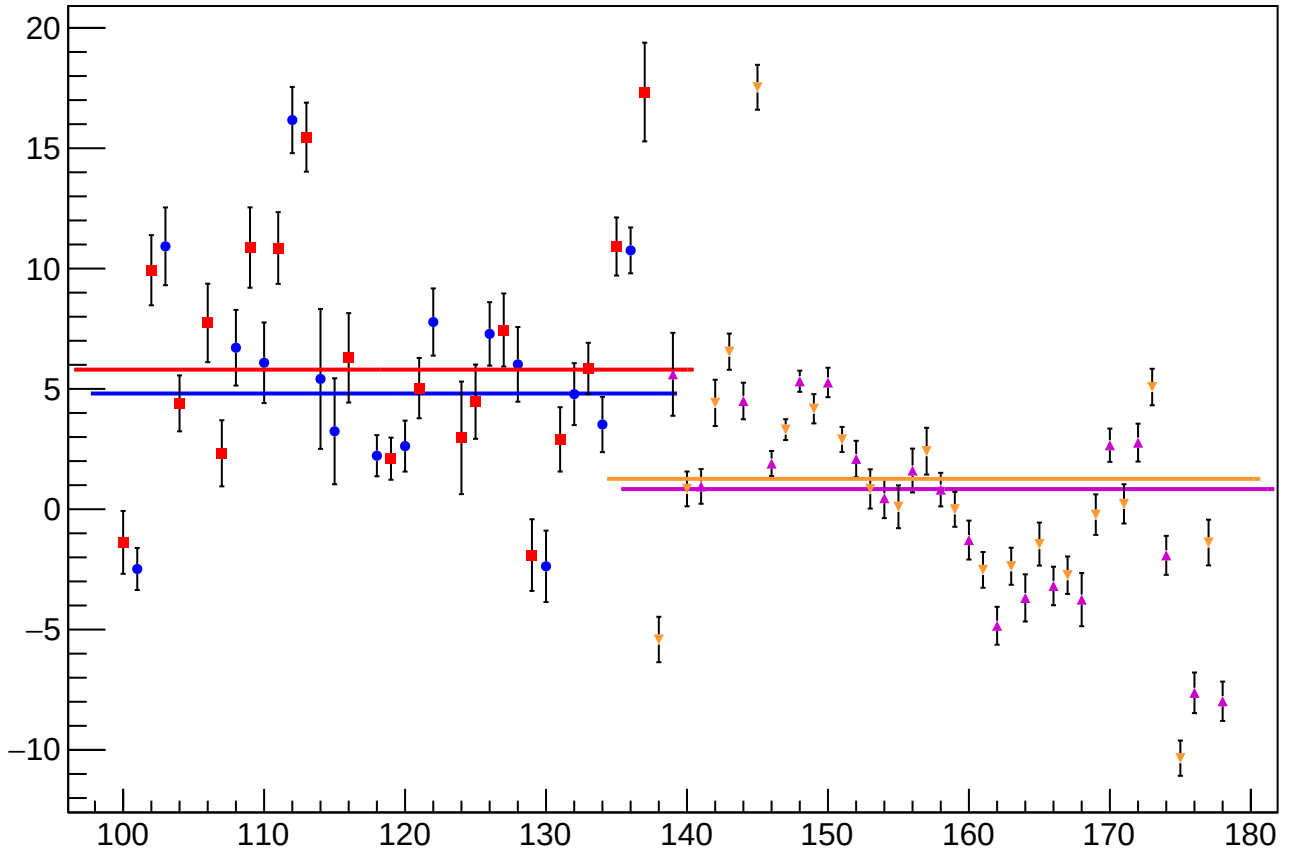
Left: -32.110+/-0.162 χ^2/NDF: 3919.1/40

Right: -39.104+/-0.216 χ^2/NDF: 3187.4/34

In: -34.773+/-0.185 χ^2/NDF:3657.9/35

Out: -34.513+/-0.182 χ^2/NDF:4119.1/39

All: -34.641+/-0.130 χ^2/NDF: 7778.1/75



Right In: 4.808+/-0.316 χ^2/NDF: 240.5/15

Left Out: 1.263+/-0.161 χ^2/NDF:848.5/20

Right Out: 5.801+/-0.315 χ^2/NDF: 216.4/18

Left In: 0.838+/-0.165 χ^2/NDF:558.9/19

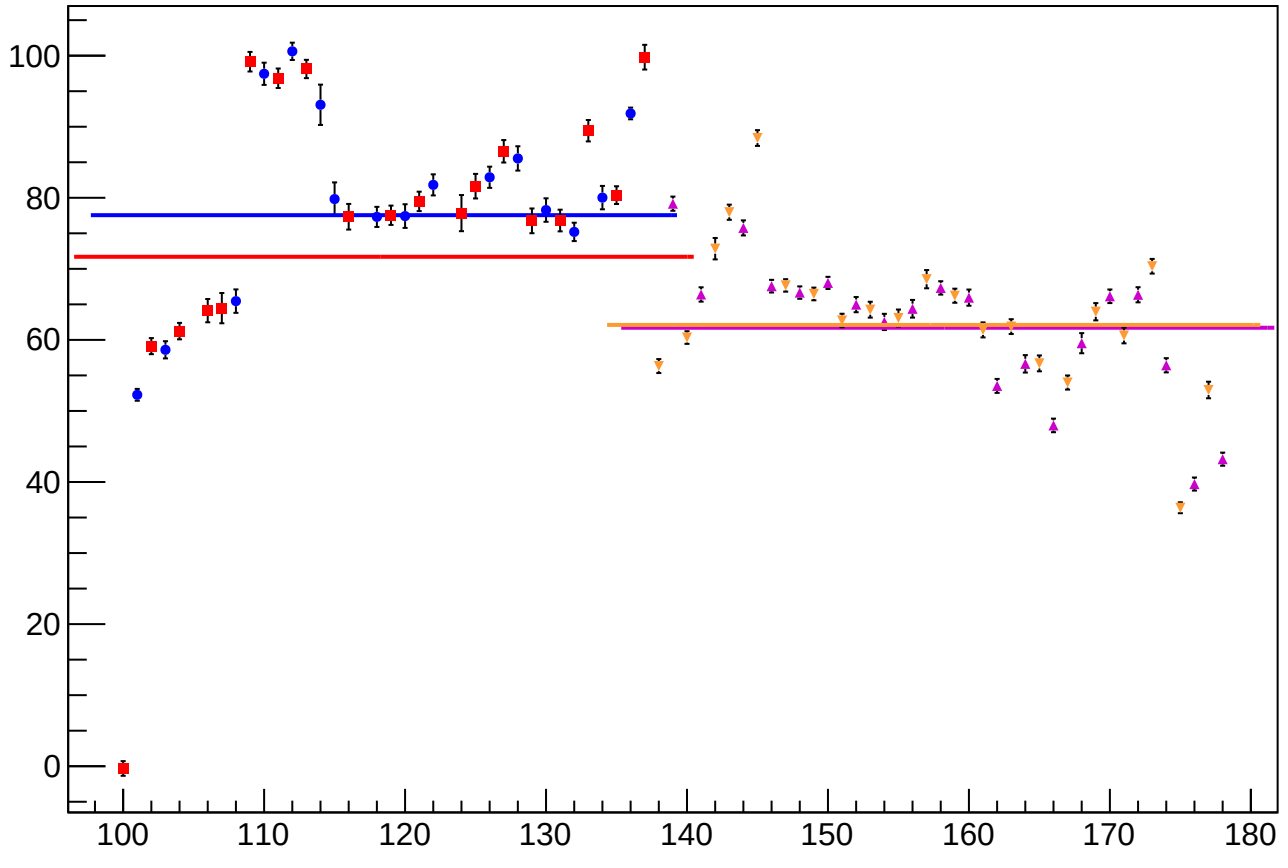
Left: 1.055+/-0.115 χ^2/NDF: 1410.8/40

Right: 5.307+/-0.223 χ^2/NDF: 461.9/34

In: 1.688+/-0.146 χ^2/NDF:923.2/35

Out: 2.205+/-0.143 χ^2/NDF:1229.5/39

All: 1.951+/-0.102 χ^2/NDF: 2159.0/75



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: 61.710+/-0.226 χ^2/NDF:2032.9/19

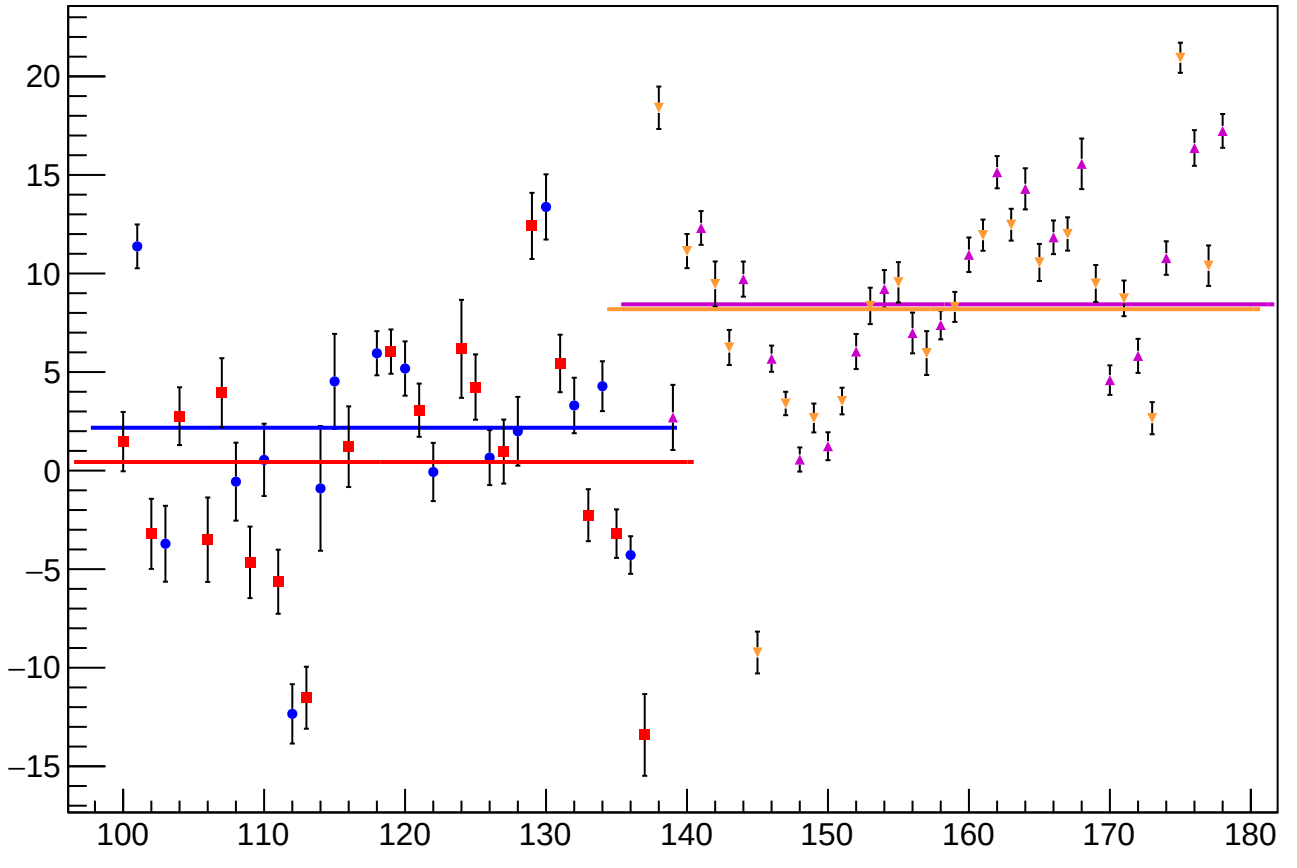
Left: 61.908+/-0.160 χ^2/NDF: 4351.2/40

Right: 74.565+/-0.236 χ^2/NDF: 9175.5/34

In: 66.611+/-0.188 χ^2/NDF:5674.2/35

Out: 65.152+/-0.186 χ^2/NDF:9795.5/39

All: 65.876+/-0.132 χ^2/NDF: 15500.3/75



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: 8.435+/-0.189 χ^2/NDF:711.2/19

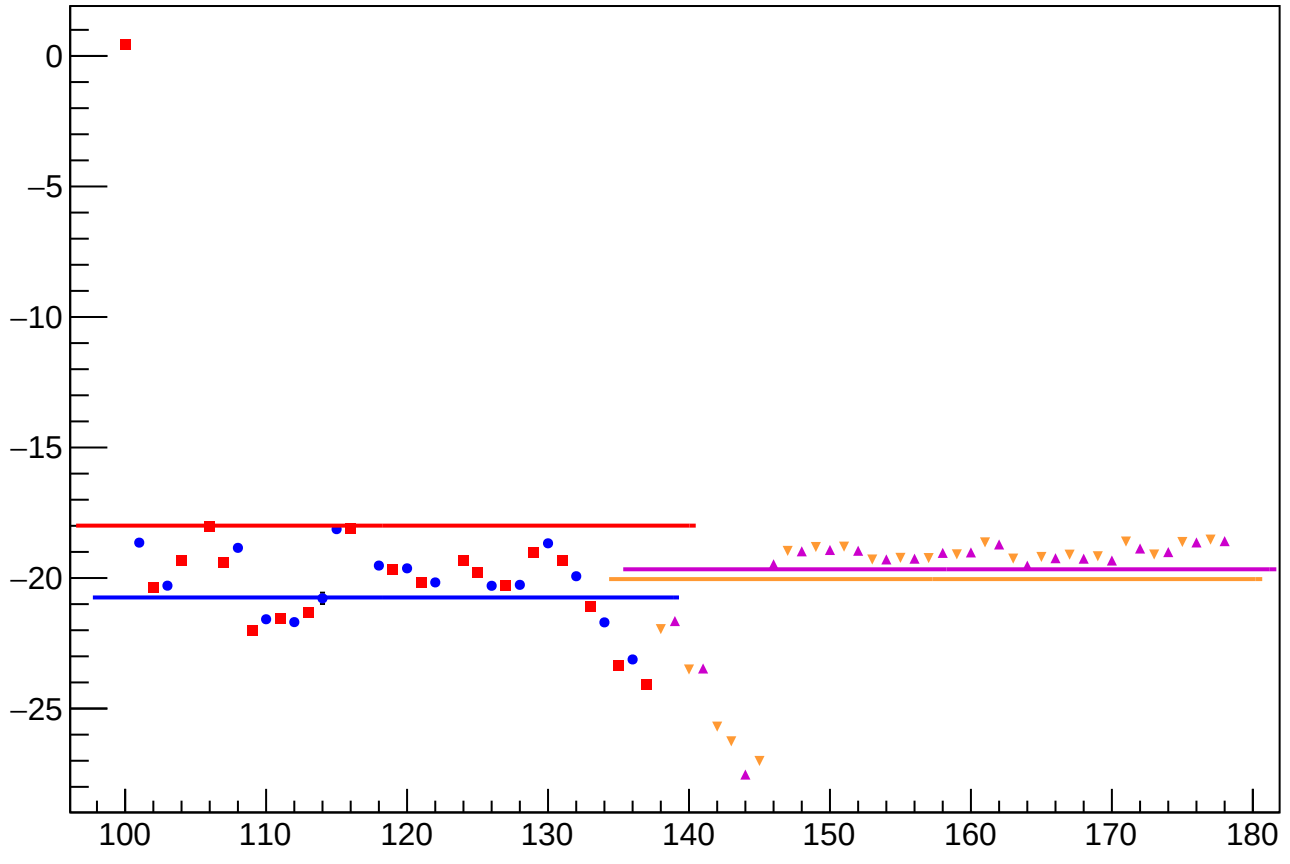
Left: 8.310+/-0.133 χ^2/NDF: 1673.1/40

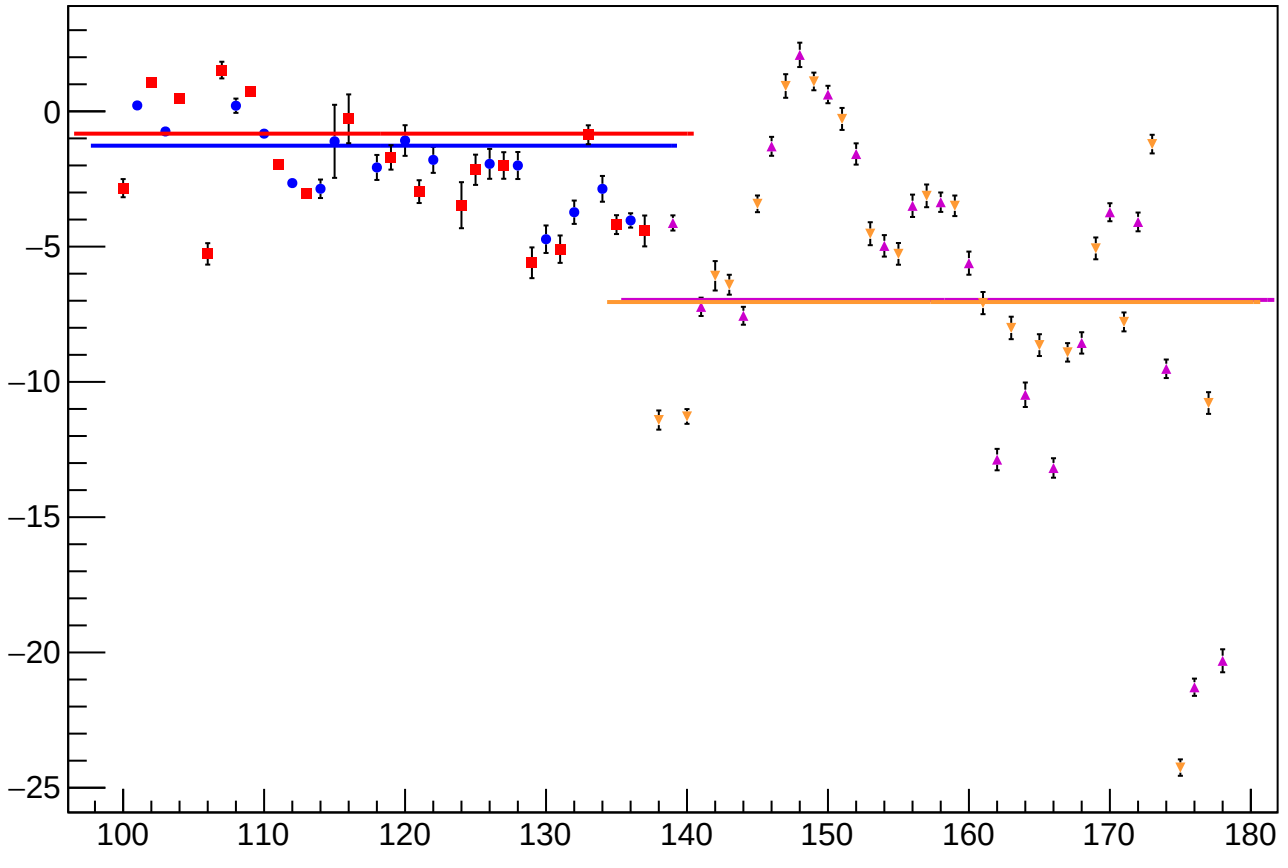
Right: 1.302+/-0.257 χ^2/NDF: 555.9/34

In: 7.098+/-0.168 χ^2/NDF:1234.7/35

Out: 6.567+/-0.166 χ^2/NDF:1577.9/39

All: 6.829+/-0.118 χ^2/NDF: 2817.6/75


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: -19.665+/-0.009 χ²/NDF:44190.4/19
Left: -19.852+/-0.006 χ²/NDF: 121517.4/40
Right: -19.328+/-0.014 χ²/NDF: 168397.6/34
In: -19.840+/-0.008 χ²/NDF:54283.6/35
Out: -19.688+/-0.008 χ²/NDF:236690.9/39
All: -19.764+/-0.006 χ²/NDF: 291162.5/75



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: -6.969+/-0.081 χ^2/NDF:5541.5/19

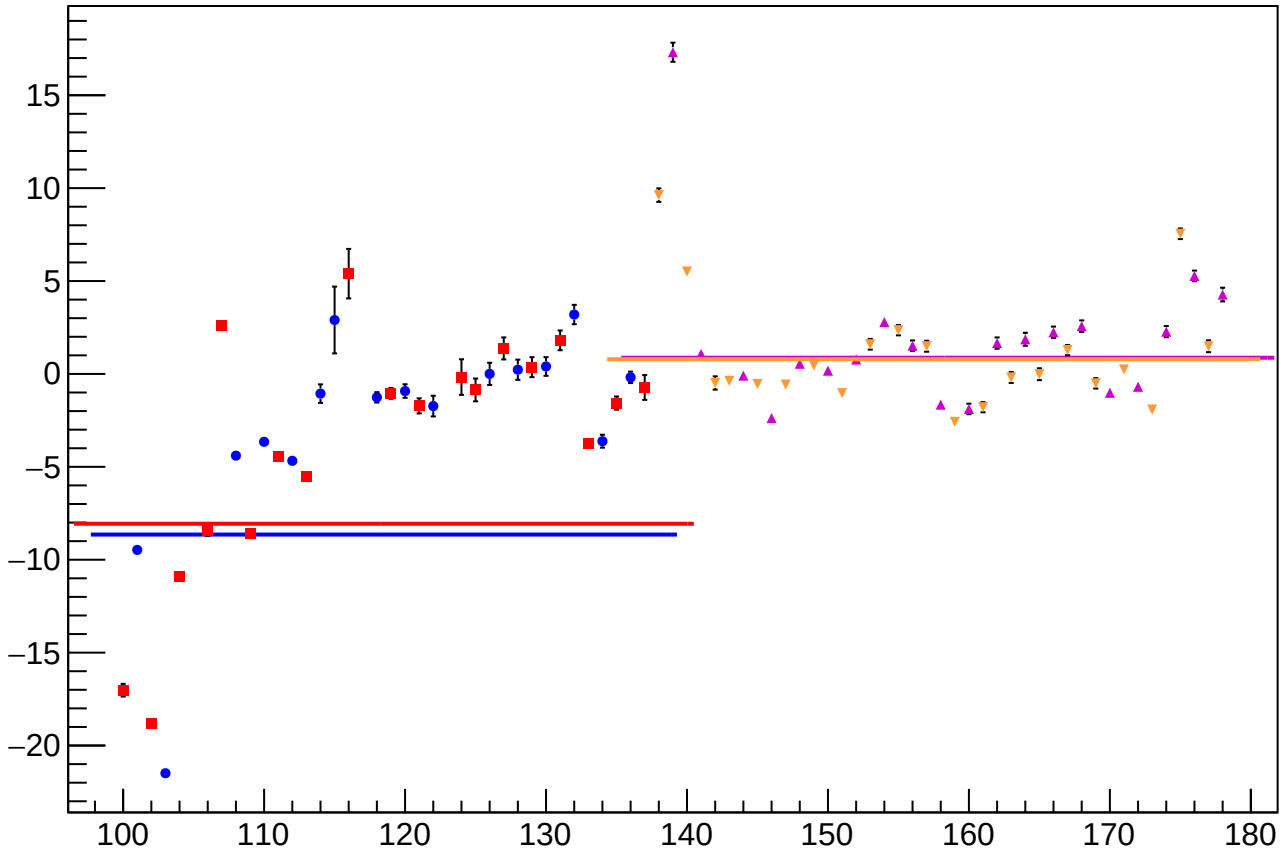
Left: -7.009+/-0.057 χ^2/NDF: 11214.2/40

Right: -1.033+/-0.037 χ^2/NDF: 2036.2/34

In: -3.042+/-0.045 χ^2/NDF:9556.9/35

Out: -2.607+/-0.043 χ^2/NDF:11315.3/39

All: -2.814+/-0.031 χ^2/NDF: 20920.7/75



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: 0.873+/-0.061 χ^2/NDF:2040.8/19

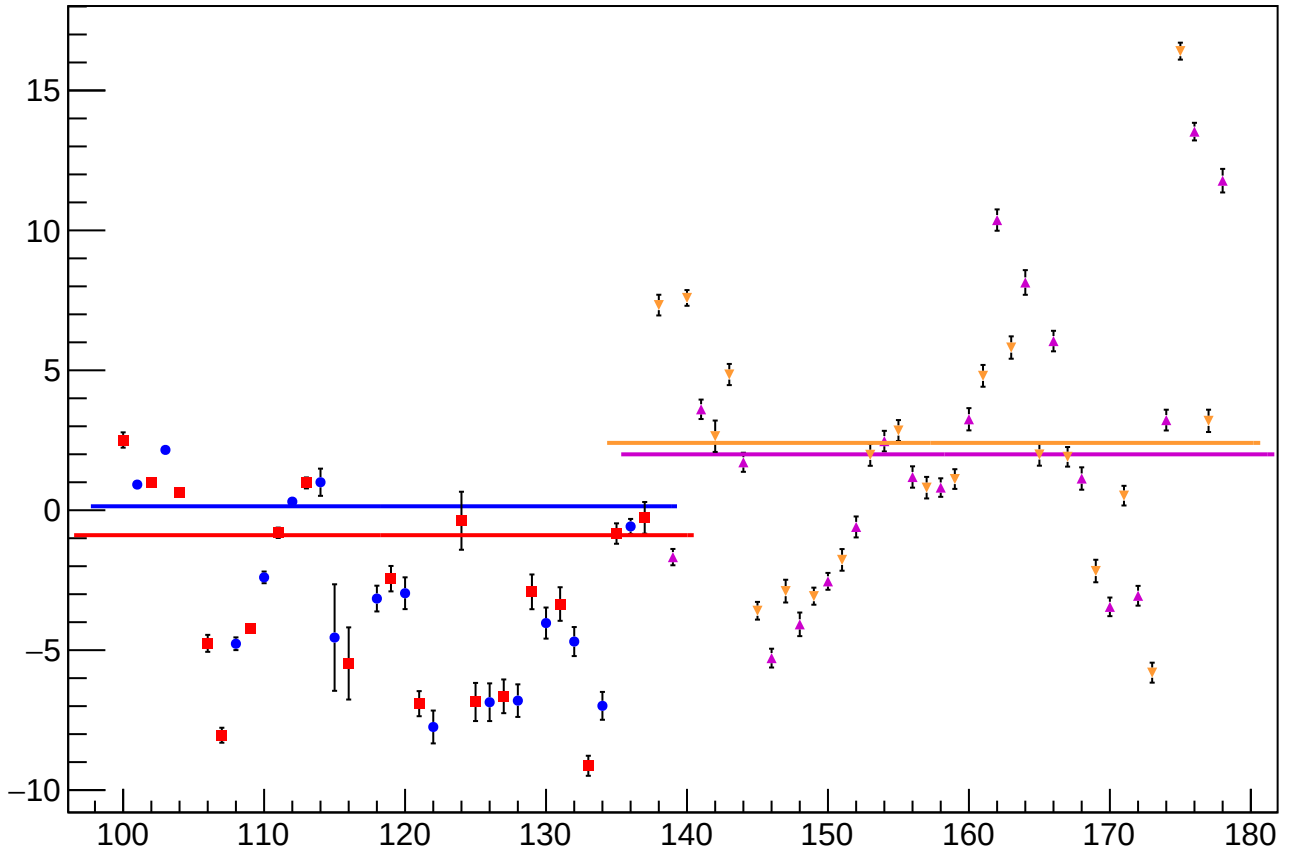
Left: 0.830+/-0.042 χ^2/NDF: 4240.7/40

Right: -8.357+/-0.040 χ^2/NDF: 28307.3/34

In: -4.174+/-0.041 χ^2/NDF:28993.6/35

Out: -3.708+/-0.041 χ^2/NDF:28288.4/39

All: -3.938+/-0.029 χ^2/NDF: 57346.1/75



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: 1.998+/-0.080 χ^2/NDF:4328.9/19

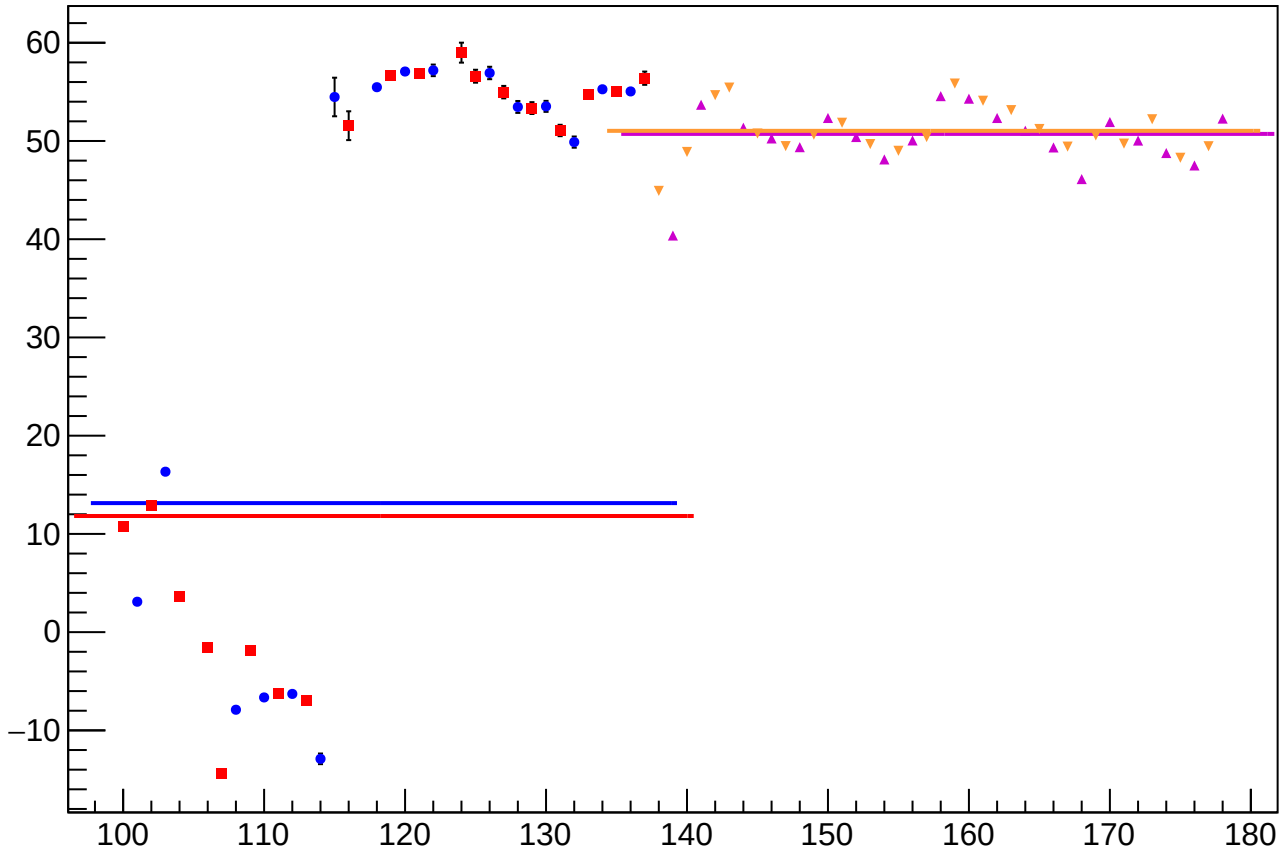
Left: 2.203+/-0.056 χ^2/NDF: 8844.1/40

Right: -0.368+/-0.038 χ^2/NDF: 5133.2/34

In: 0.708+/-0.044 χ^2/NDF:6663.8/35

Out: 0.142+/-0.044 χ^2/NDF:8672.7/39

All: 0.427+/-0.031 χ^2/NDF: 15418.3/75



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: 50.721+/-0.068 χ^2/NDF:1441.1/19

Left: 50.880+/-0.048 χ^2/NDF: 2749.9/40

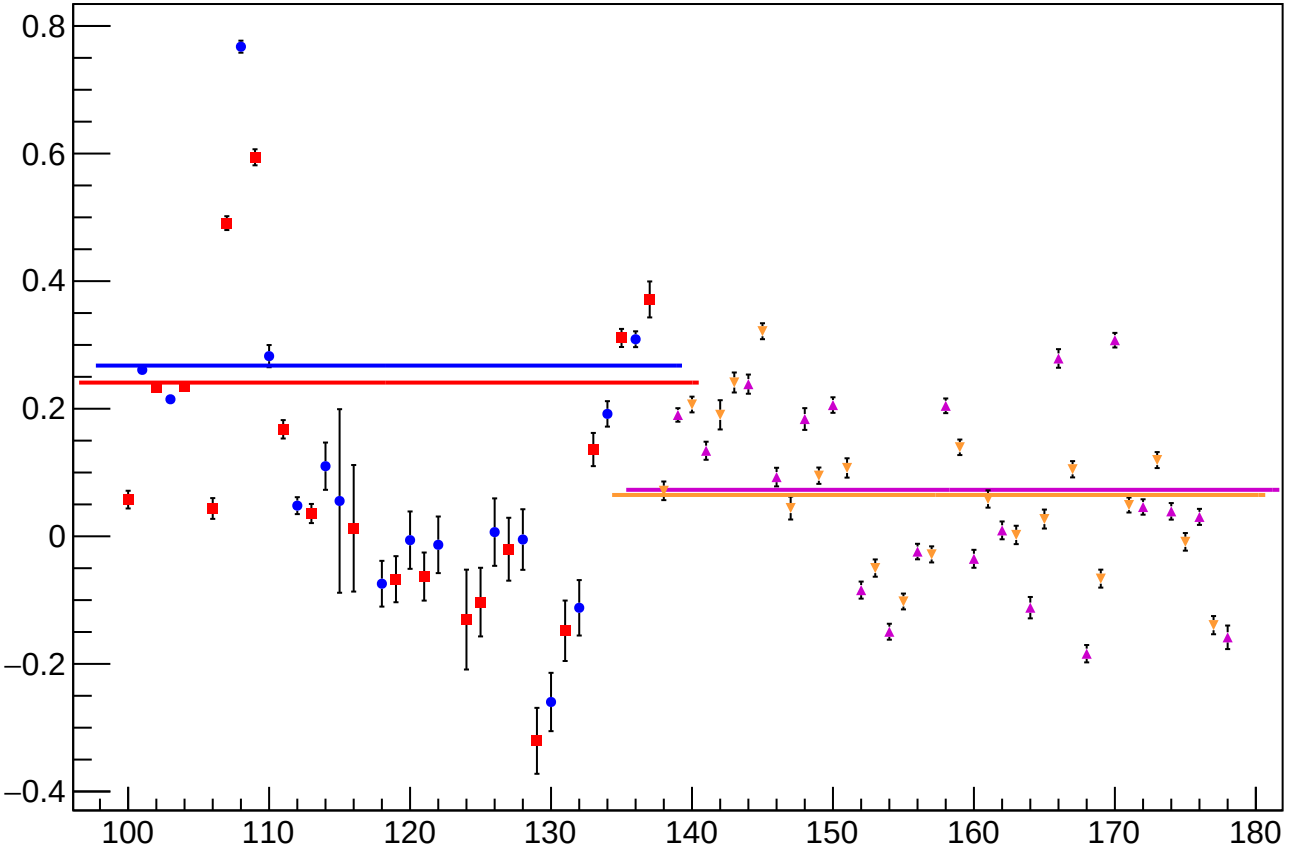
Right: 12.478+/-0.048 χ^2/NDF: 226930.1/34

In: 31.812+/-0.048 χ^2/NDF:262069.1/35

Out: 31.776+/-0.048 χ^2/NDF:289426.6/39

All: 31.794+/-0.034 χ^2/NDF: 551495.9/75

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: 0.073+/-0.003 χ^2/NDF:2431.5/19

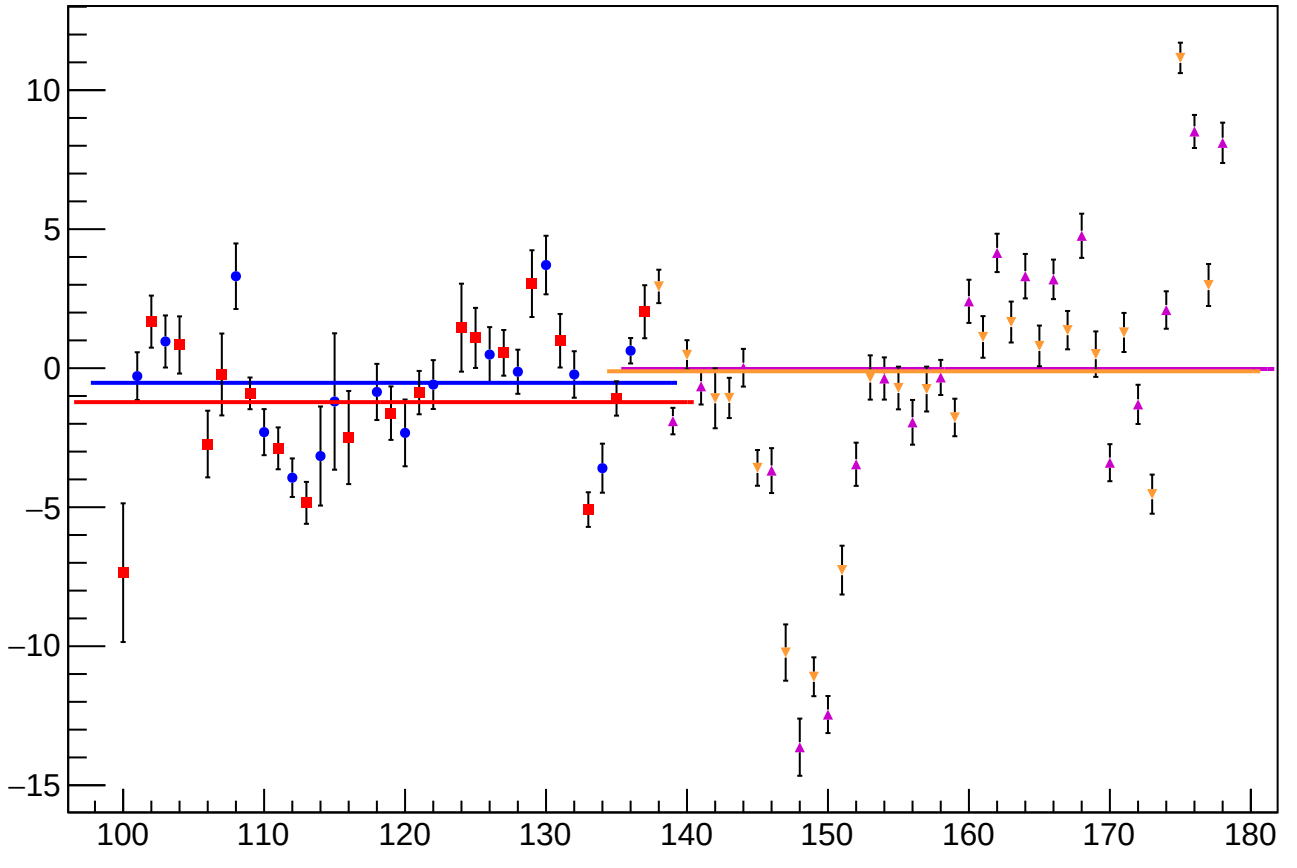
Left: 0.069+/-0.002 χ^2/NDF: 3881.6/40

Right: 0.254+/-0.002 χ^2/NDF: 6105.9/34

In: 0.176+/-0.002 χ^2/NDF:8430.3/35

Out: 0.160+/-0.002 χ^2/NDF:5669.5/39

All: 0.168+/-0.001 χ^2/NDF: 14131.2/75



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: -0.028+/-0.156 χ^2/NDF:1076.6/19

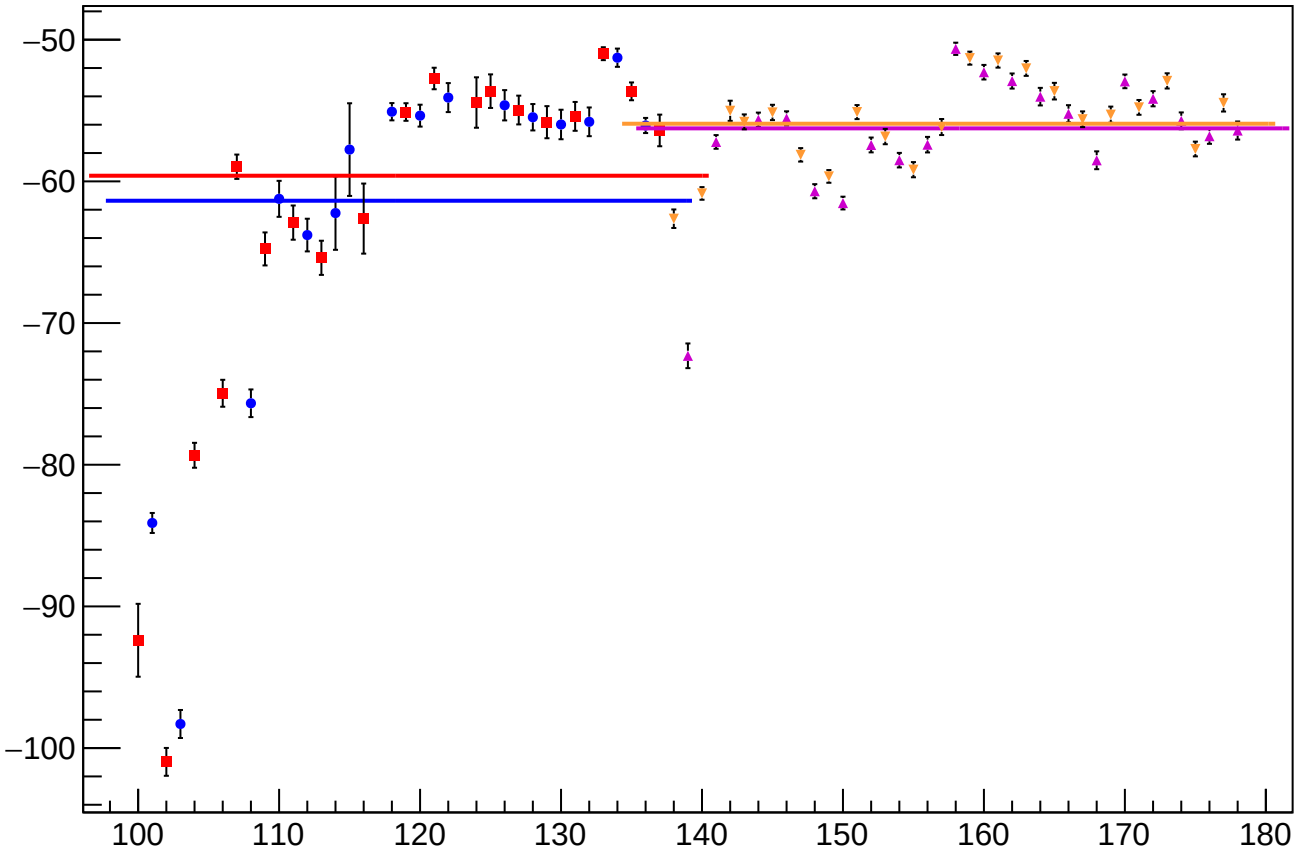
Left: -0.070+/-0.110 χ^2/NDF: 2055.8/40

Right: -0.894+/-0.149 χ^2/NDF: 219.1/34

In: -0.198+/-0.127 χ^2/NDF:1162.8/35

Out: -0.519+/-0.124 χ^2/NDF:1128.6/39

All: -0.362+/-0.089 χ^2/NDF: 2294.7/75



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: -56.259+/-0.119 χ^2/NDF:951.1/19

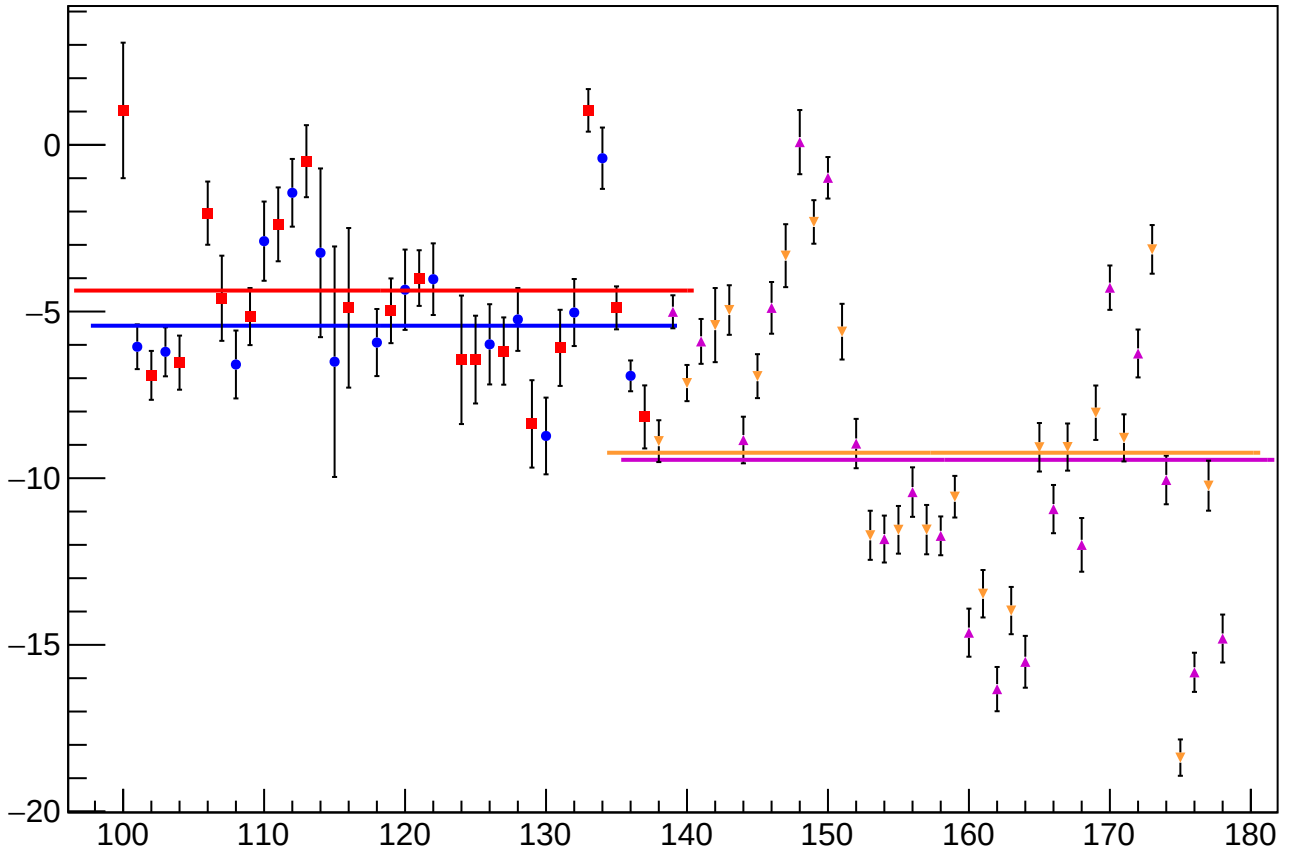
Left: -56.090+/-0.083 χ^2/NDF: 1623.3/40

Right: -60.433+/-0.150 χ^2/NDF: 6806.9/34

In: -57.429+/-0.105 χ^2/NDF:4721.6/35

Out: -56.806+/-0.101 χ^2/NDF:4329.9/39

All: -57.106+/-0.073 χ^2/NDF: 9069.8/75



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: -9.449+/-0.153 χ^2/NDF:942.8/19

Left: -9.343+/-0.109 χ^2/NDF: 1657.8/40

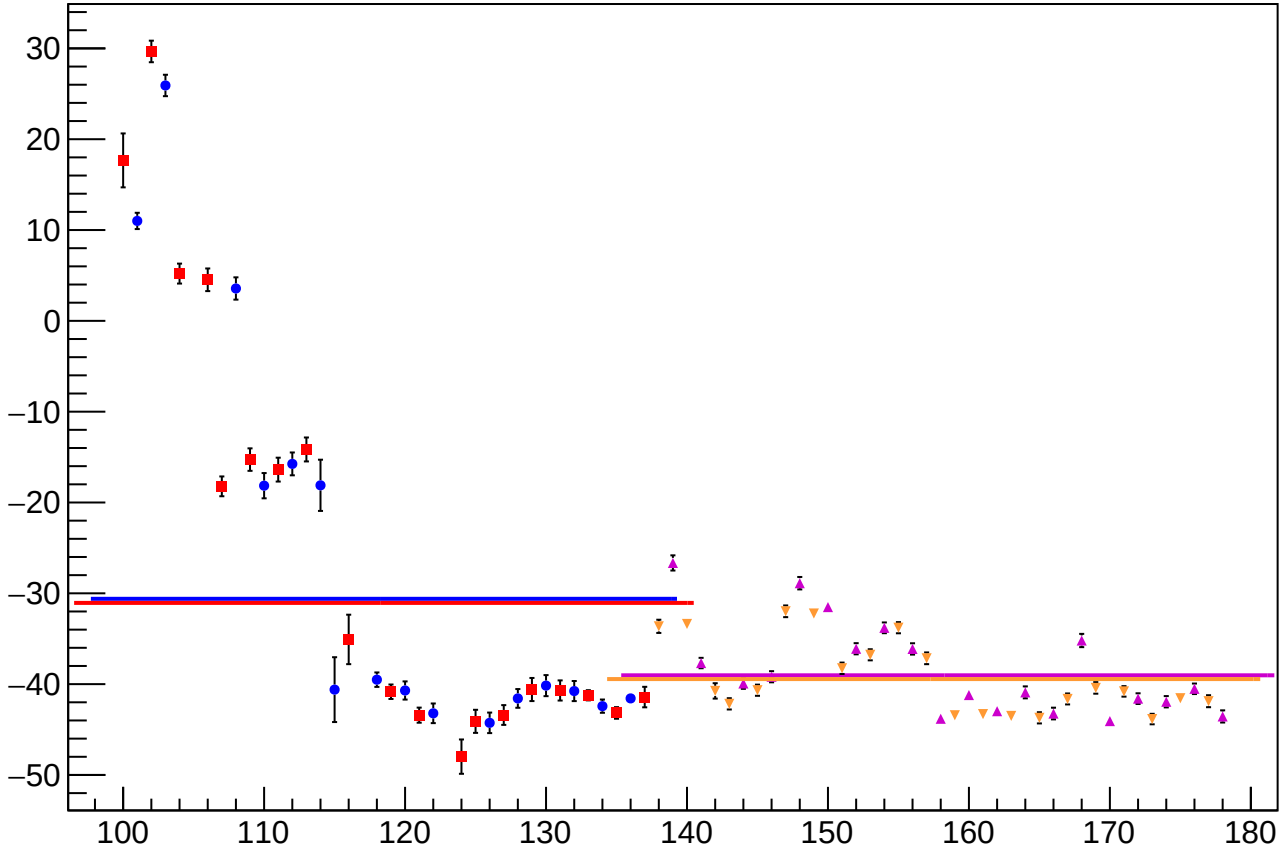
Right: -4.881+/-0.160 χ^2/NDF: 243.4/34

In: -8.209+/-0.128 χ^2/NDF:1230.6/35

Out: -7.664+/-0.126 χ^2/NDF:1194.3/39

All: -7.934+/-0.090 χ^2/NDF: 2434.1/75

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -39.442+/-0.131 χ^2/NDF:981.5/20

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

Left In: -39.028+/-0.133 χ^2/NDF:1218.7/19

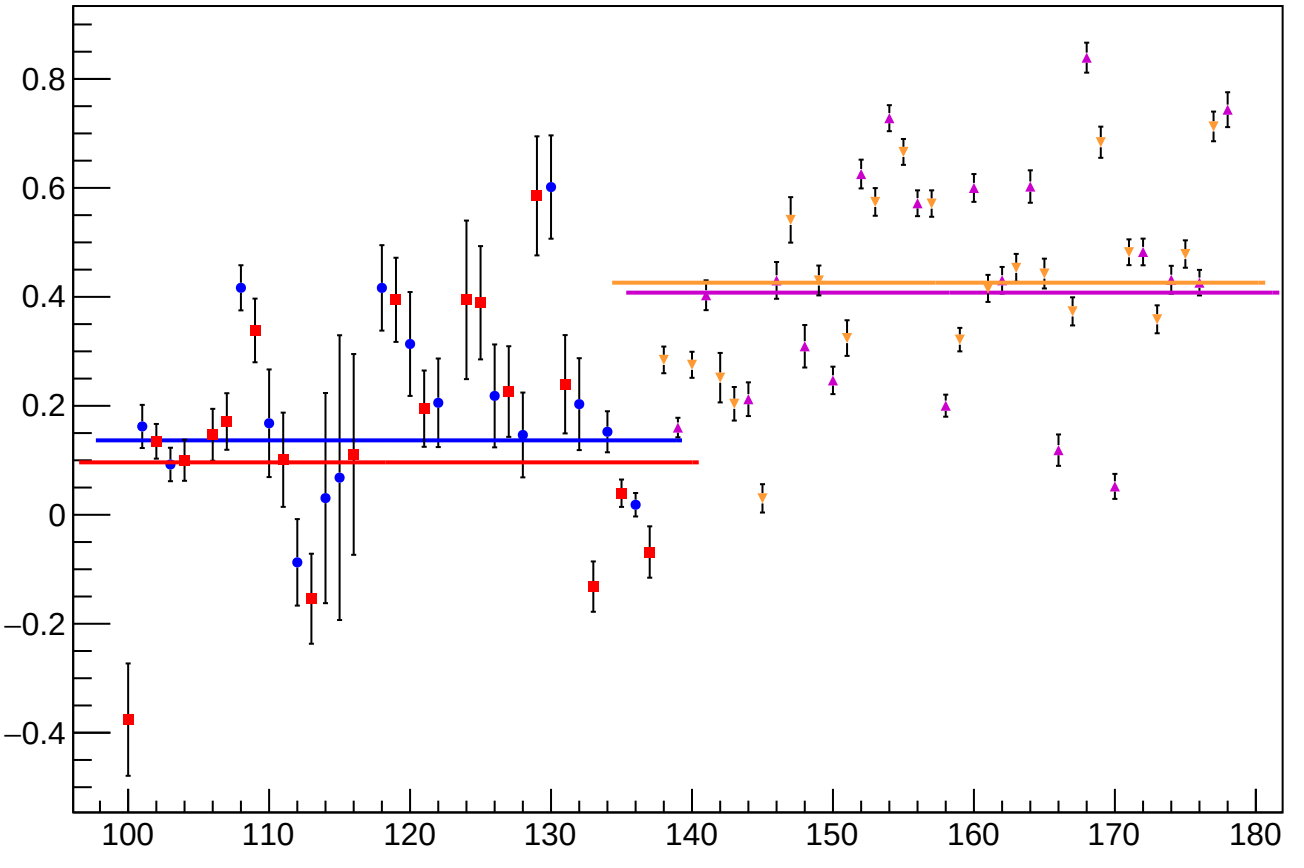
Left: -39.240+/-0.093 χ^2/NDF: 2205.2/40

Right: -30.841+/-0.172 χ^2/NDF: 13916.2/34

In: -37.154+/-0.118 χ^2/NDF:9043.6/35

Out: -37.500+/-0.114 χ^2/NDF:8913.9/39

All: -37.332+/-0.082 χ^2/NDF: 17962.0/75



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: 0.408+/-0.006 χ^2/NDF:1487.3/19

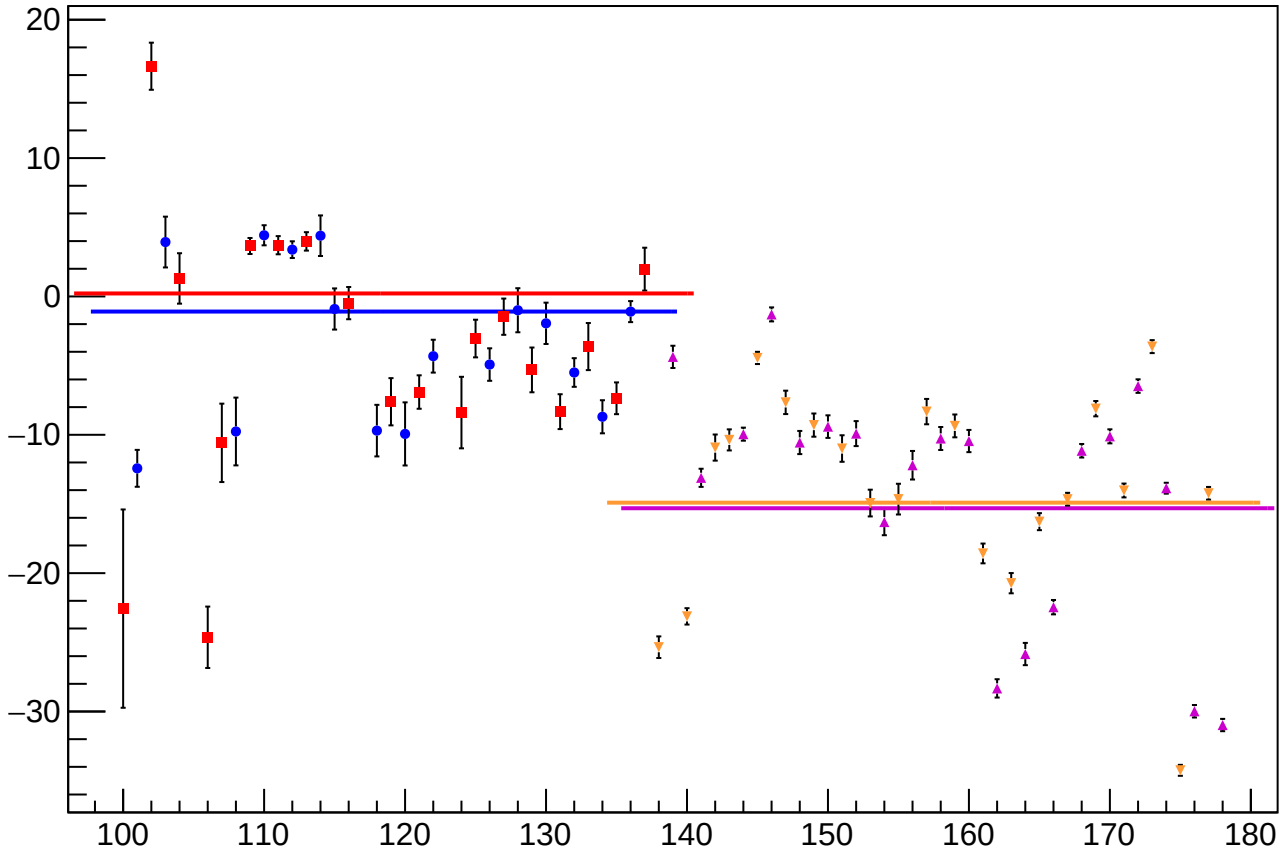
Left: 0.417+/-0.004 χ^2/NDF: 2291.3/40

Right: 0.116+/-0.009 χ^2/NDF: 282.3/34

In: 0.361+/-0.005 χ^2/NDF:2005.9/35

Out: 0.367+/-0.005 χ^2/NDF:1532.0/39

All: 0.364+/-0.004 χ^2/NDF: 3538.5/75



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: -15.309+/-0.132 χ^2/NDF:4850.3/19

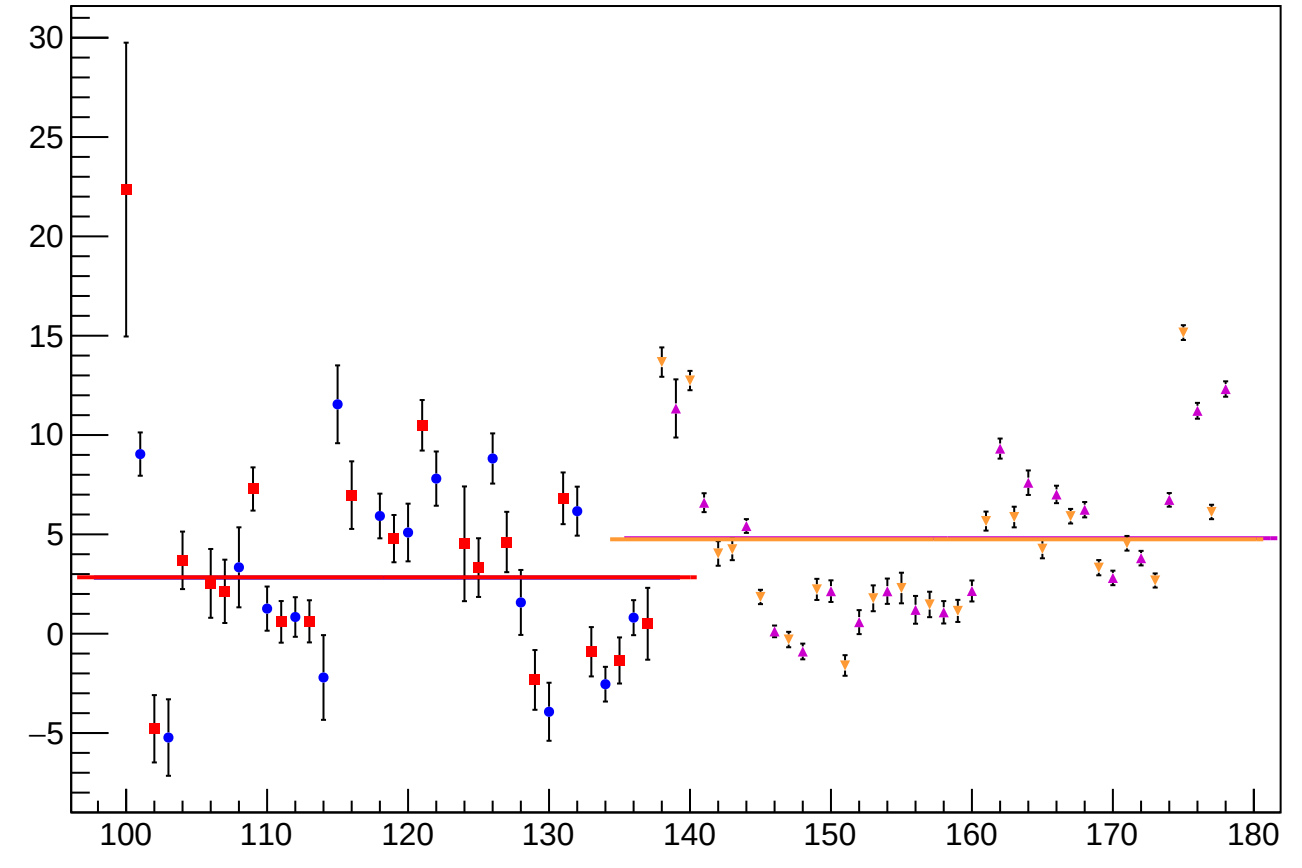
Left: -15.111+/-0.094 χ^2/NDF: 9286.7/40

Right: -0.404+/-0.193 χ^2/NDF: 864.2/34

In: -12.741+/-0.119 χ^2/NDF:7285.9/35

Out: -11.815+/-0.120 χ^2/NDF:7520.1/39

All: -12.282+/-0.085 χ^2/NDF: 14836.0/75



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: 4.806+/-0.098 χ^2/NDF:1527.4/19

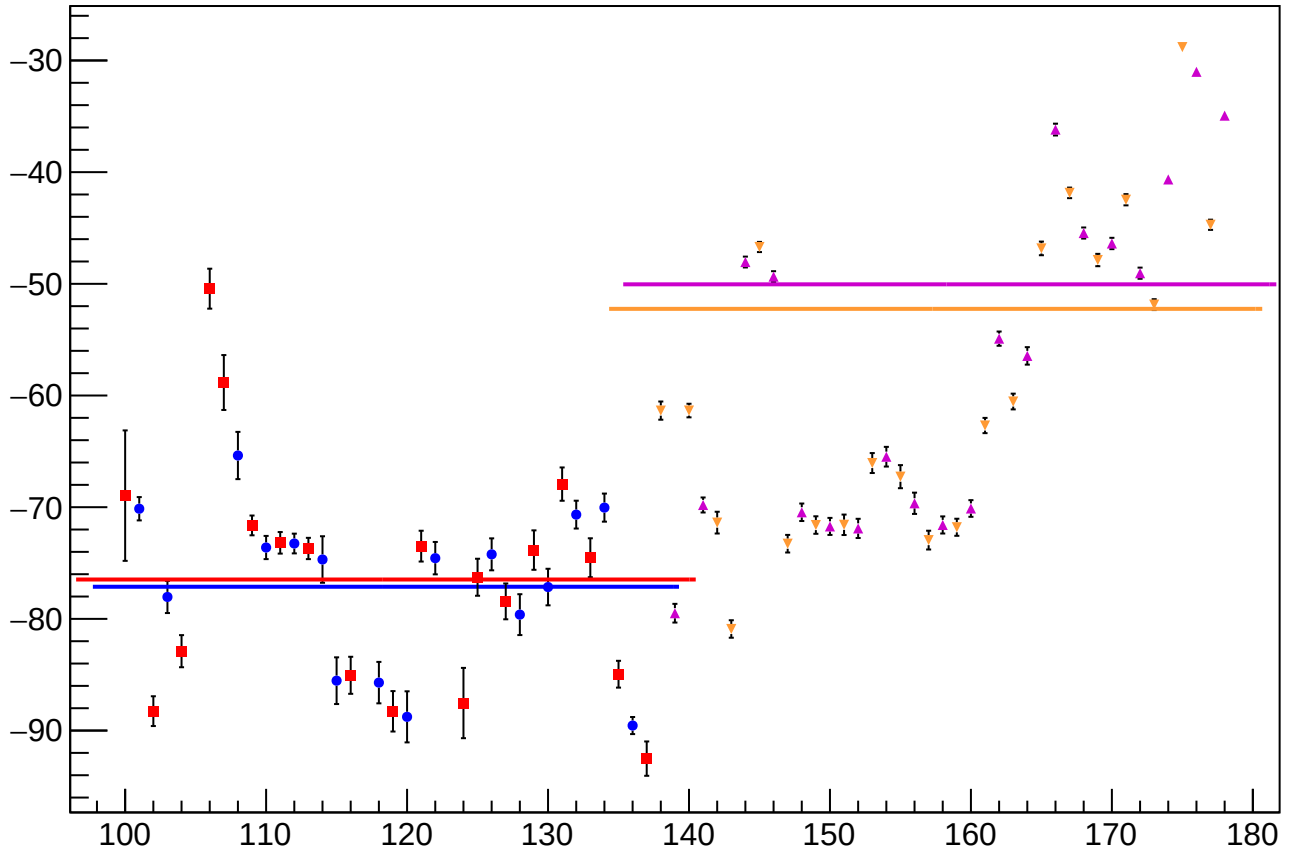
Left: 4.779+/-0.070 χ^2/NDF: 3312.4/40

Right: 2.831+/-0.225 χ^2/NDF: 344.5/34

In: 4.628+/-0.094 χ^2/NDF:1763.4/35

Out: 4.583+/-0.096 χ^2/NDF:1961.9/39

All: 4.606+/-0.067 χ^2/NDF: 3725.4/75



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -52.240+/-0.134 χ^2/NDF:10832.0/20

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

Left In: -50.044+/-0.131 χ^2/NDF:10924.2/19

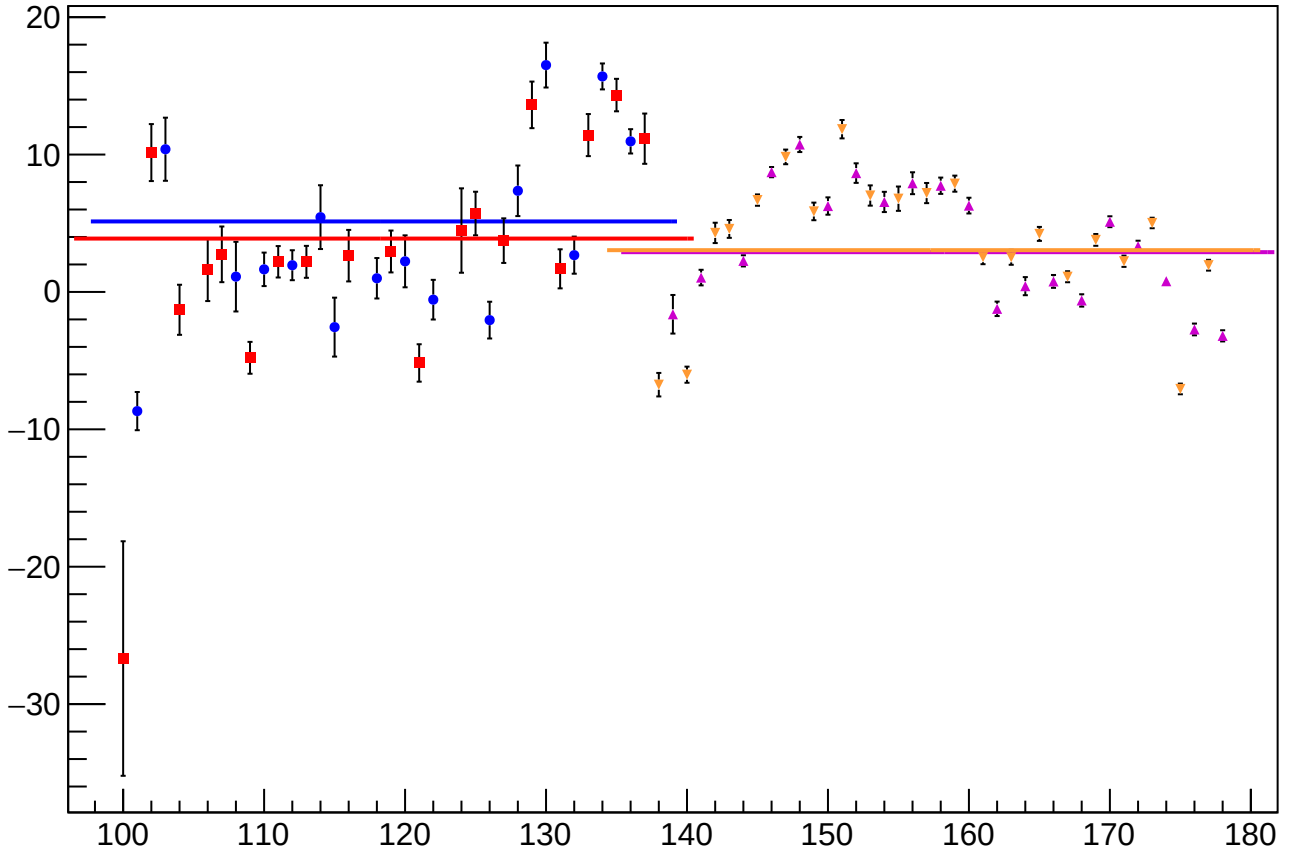
Left: -51.117+/-0.094 χ^2/NDF: 21892.6/40

Right: -76.801+/-0.231 χ^2/NDF: 1201.1/34

In: -53.822+/-0.122 χ^2/NDF:17354.2/35

Out: -55.718+/-0.124 χ^2/NDF:16189.7/39

All: -54.750+/-0.087 χ^2/NDF: 33662.5/75



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: 2.895+/-0.111 χ^2/NDF:1350.9/19

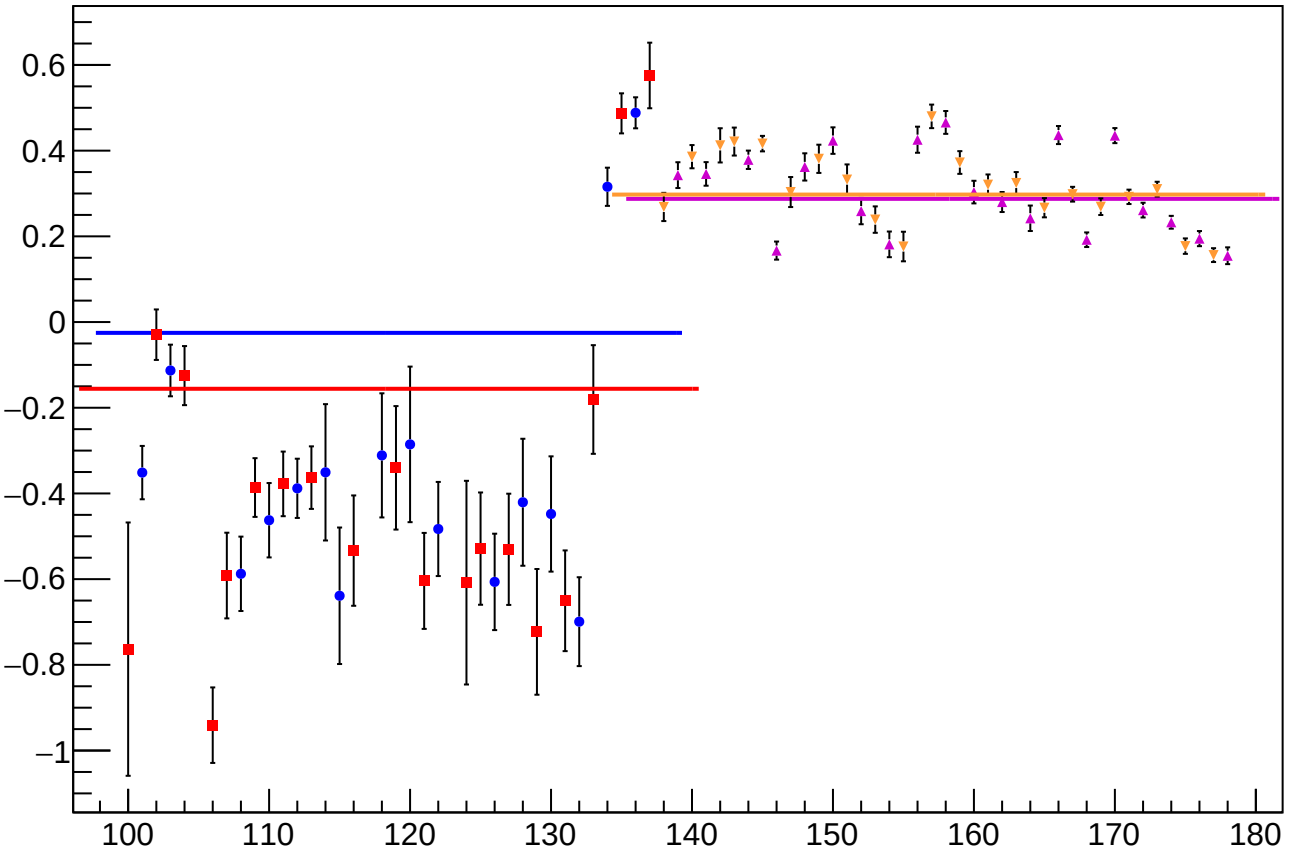
Left: 2.967+/-0.079 χ^2/NDF: 3054.7/40

Right: 4.529+/-0.251 χ^2/NDF: 710.0/34

In: 3.100+/-0.106 χ^2/NDF:1800.4/35

Out: 3.115+/-0.107 χ^2/NDF:1999.4/39

All: 3.107+/-0.075 χ^2/NDF: 3799.9/75



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: 0.287+/-0.005 χ^2/NDF:405.9/19

Left: 0.292+/-0.004 χ^2/NDF: 688.5/40

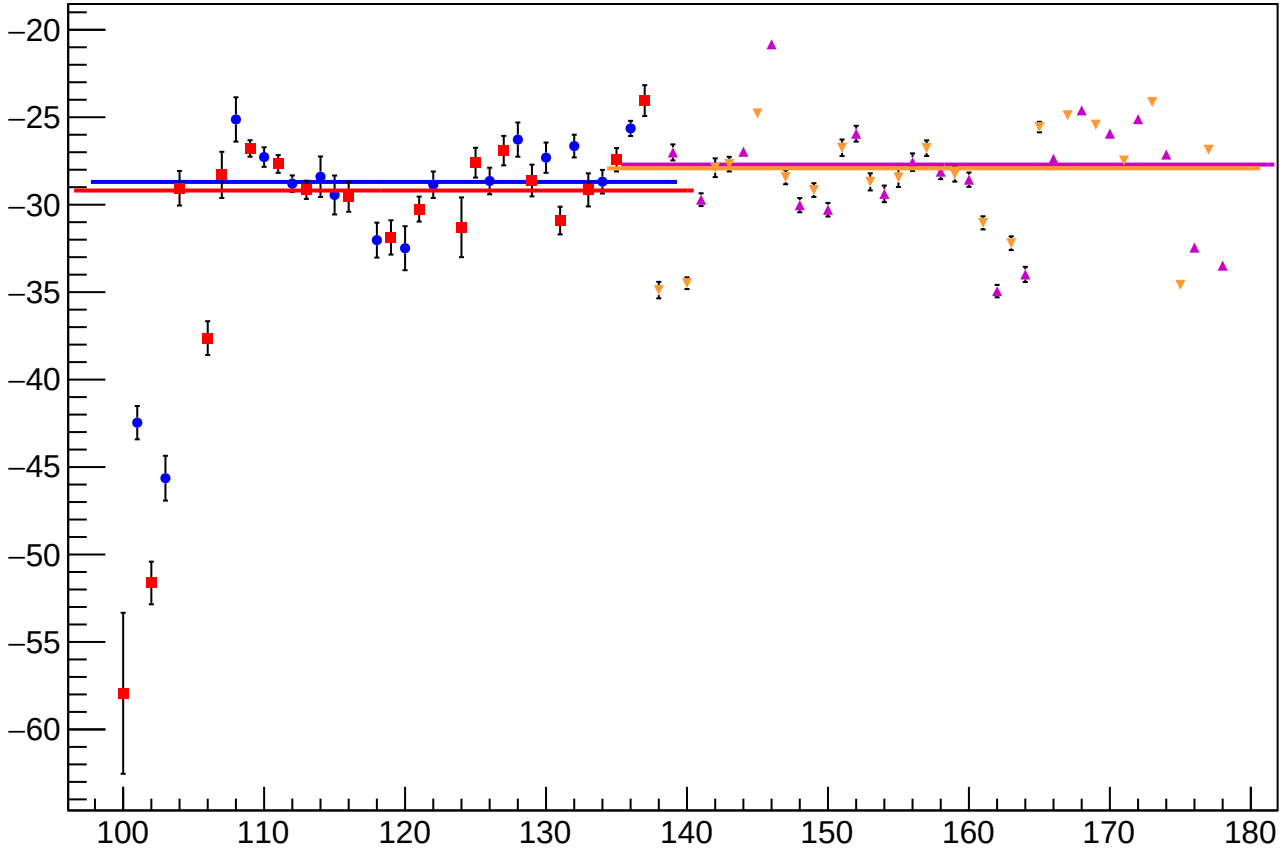
Right: -0.086+/-0.014 χ^2/NDF: 1029.5/34

In: 0.267+/-0.005 χ^2/NDF:1173.3/35

Out: 0.271+/-0.005 χ^2/NDF:1248.8/39

All: 0.269+/-0.003 χ^2/NDF: 2422.4/75

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: -27.706+/-0.064 χ^2/NDF:3348.2/19

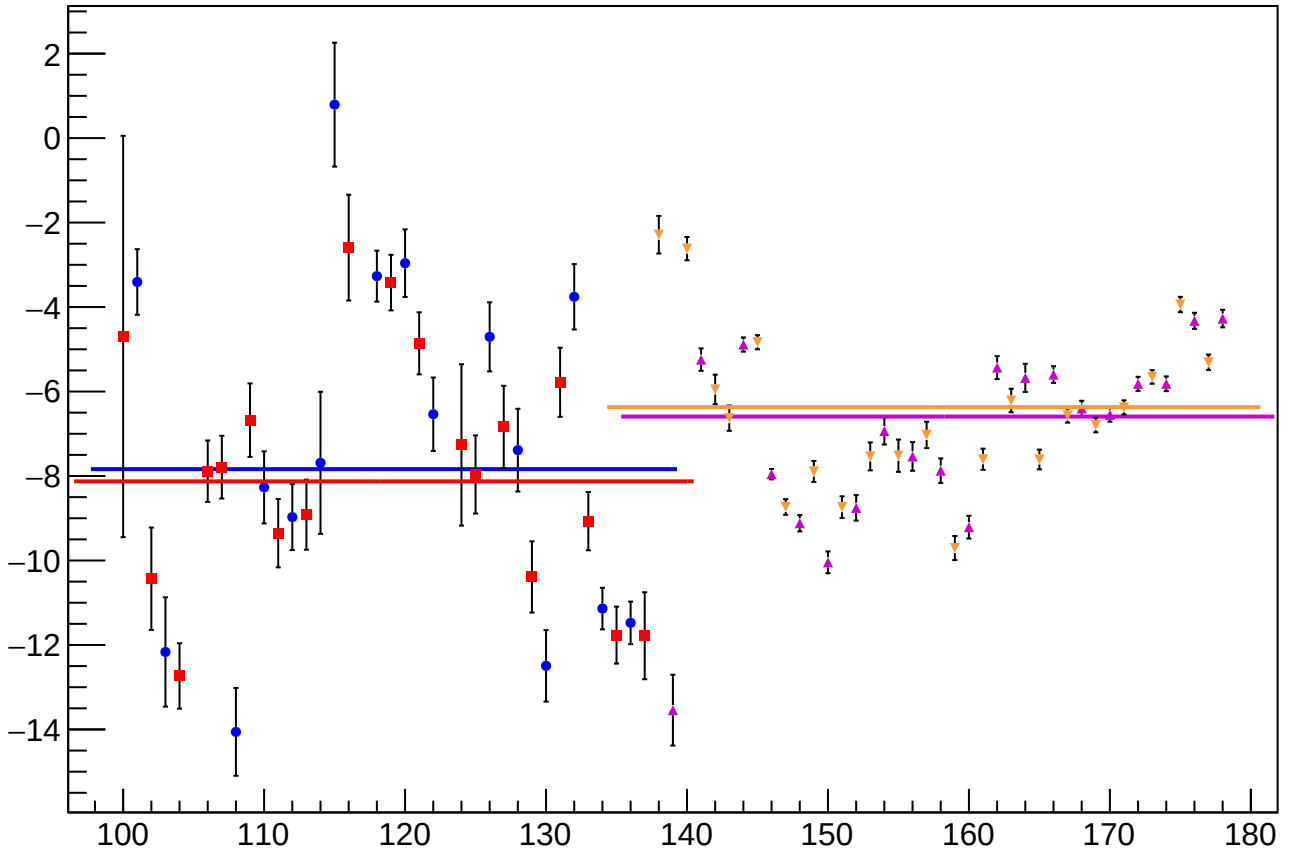
Left: -27.811+/-0.046 χ^2/NDF: 6307.7/40

Right: -28.950+/-0.130 χ^2/NDF: 1048.2/34

In: -27.810+/-0.060 χ^2/NDF:3861.1/35

Out: -28.071+/-0.062 χ^2/NDF:3554.1/39

All: -27.937+/-0.043 χ^2/NDF: 7424.3/75



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: -6.593+/-0.047 χ^2/NDF:1204.9/19

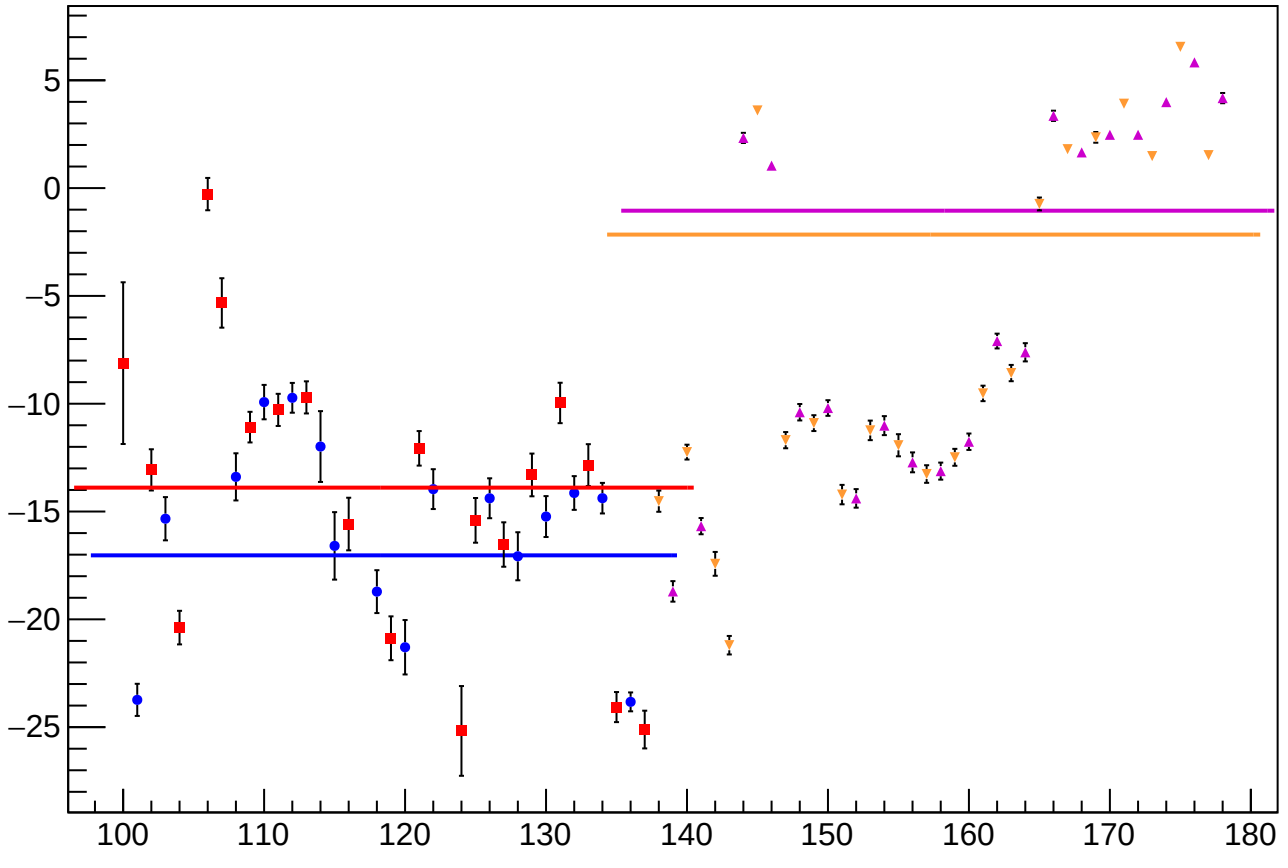
Left: -6.485+/-0.034 χ^2/NDF: 2311.5/40

Right: -7.981+/-0.138 χ^2/NDF: 581.6/34

In: -6.661+/-0.046 χ^2/NDF:1626.6/35

Out: -6.470+/-0.047 χ^2/NDF:1368.4/39

All: -6.569+/-0.033 χ^2/NDF: 3003.4/75



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: -1.048+/-0.063 χ^2/NDF:11873.5/19

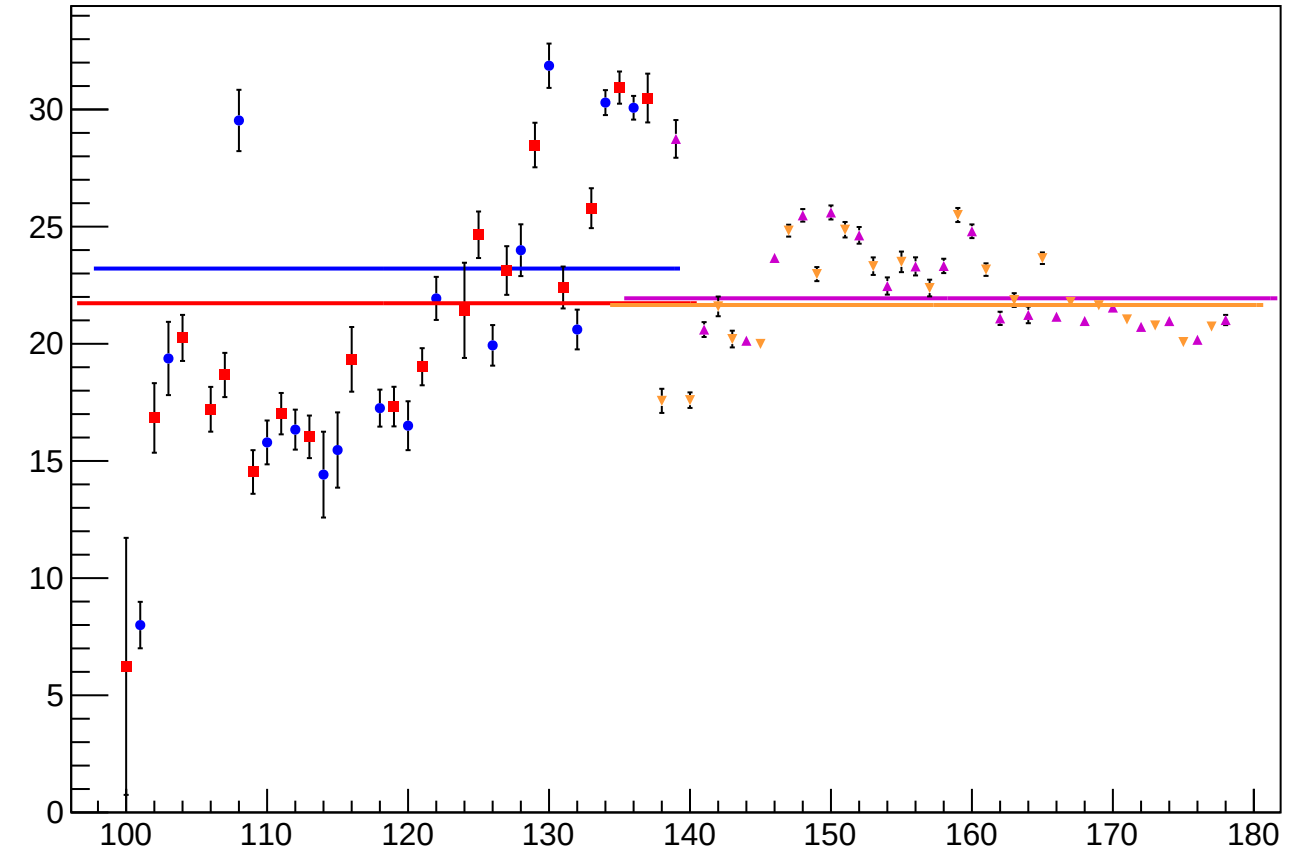
Left: -1.585+/-0.046 χ^2/NDF: 25781.7/40

Right: -15.462+/-0.148 χ^2/NDF: 1731.1/34

In: -2.392+/-0.061 χ^2/NDF:17813.5/35

Out: -3.201+/-0.062 χ^2/NDF:17641.4/39

All: -2.785+/-0.044 χ^2/NDF: 35541.2/75



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: 21.942+/-0.053 χ^2/NDF:1028.6/19

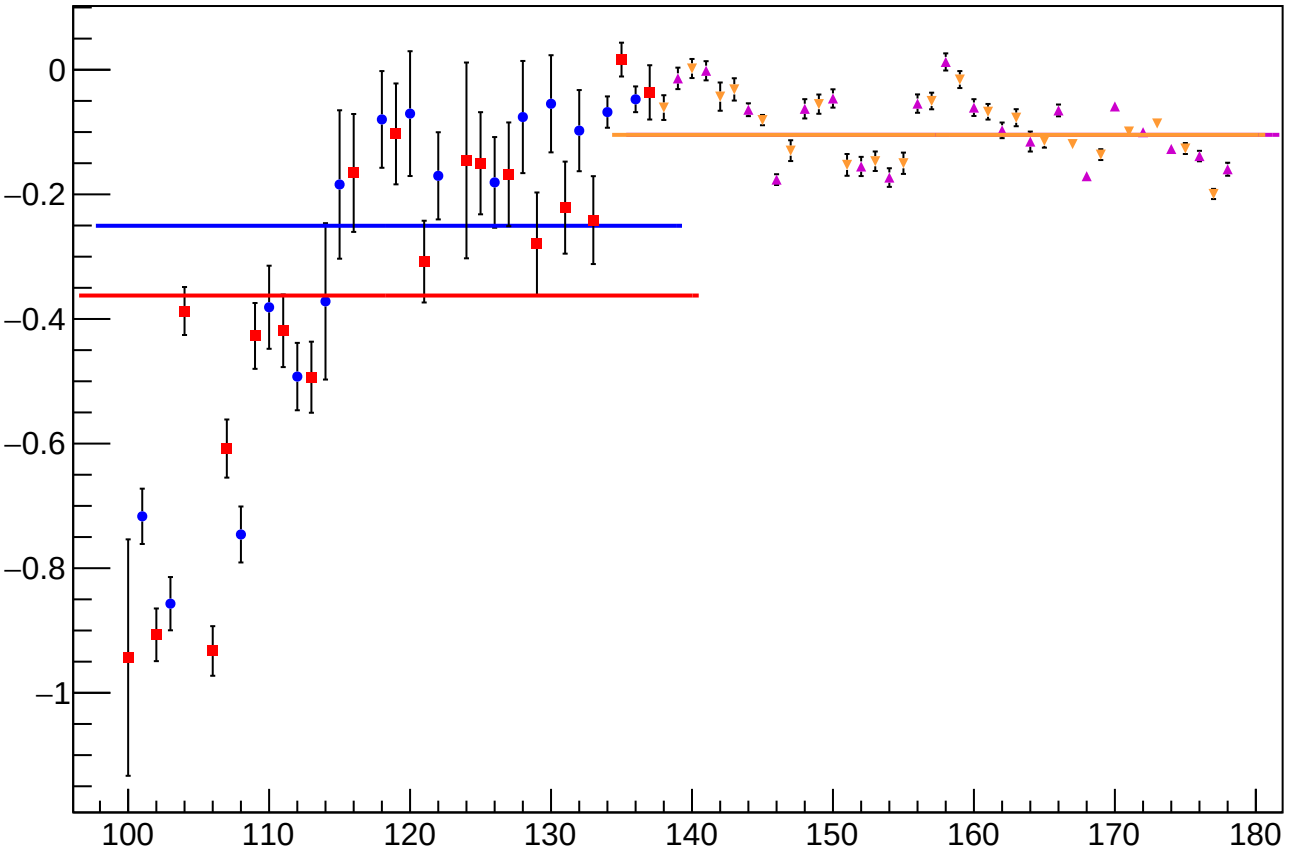
Left: 21.803+/-0.038 χ^2/NDF: 2046.7/40

Right: 22.492+/-0.156 χ^2/NDF: 1588.8/34

In: 22.014+/-0.052 χ^2/NDF:2068.8/35

Out: 21.660+/-0.053 χ^2/NDF:1562.4/39

All: 21.842+/-0.037 χ^2/NDF: 3653.8/75



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: -0.104+/-0.002 χ^2/NDF:481.2/19

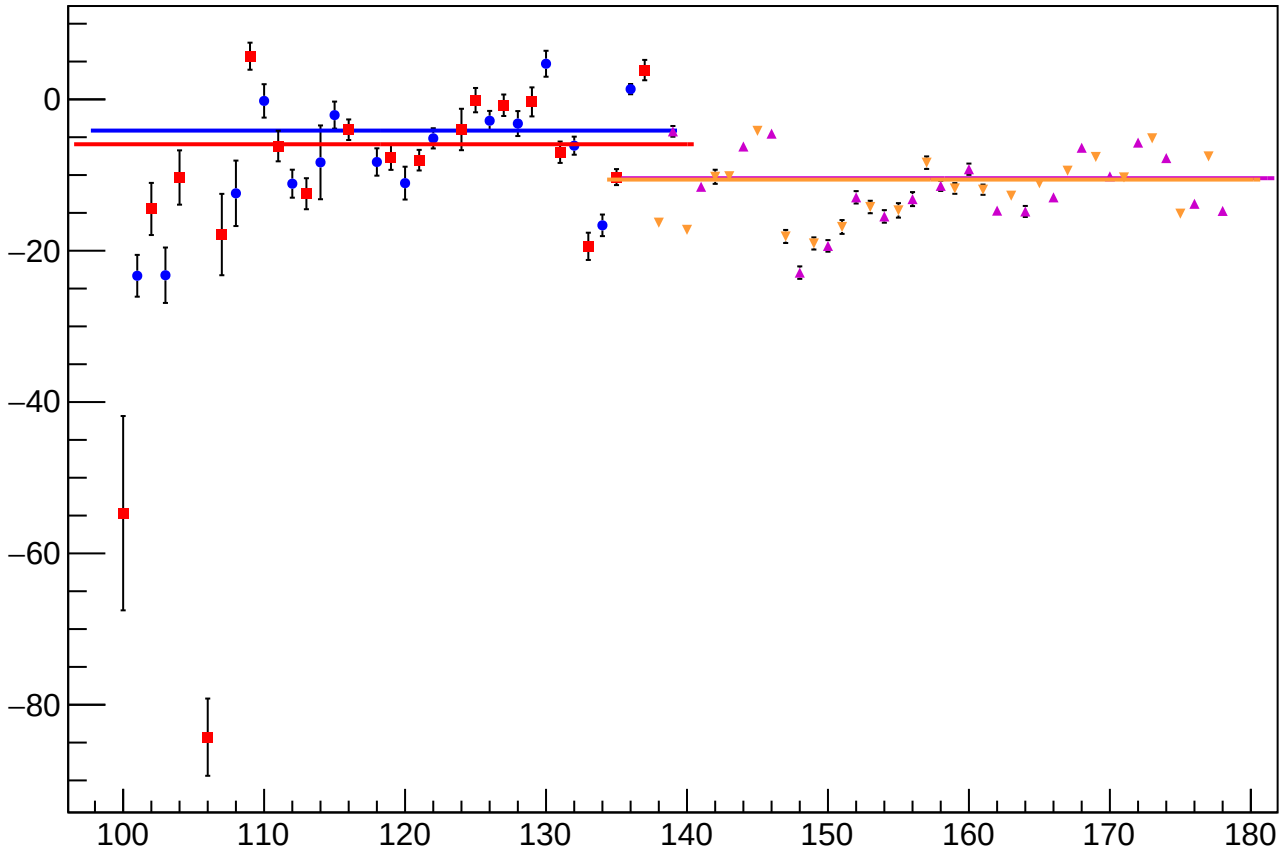
Left: -0.104+/-0.002 χ^2/NDF: 838.1/40

Right: -0.303+/-0.008 χ^2/NDF: 1381.3/34

In: -0.110+/-0.002 χ^2/NDF:1265.1/35

Out: -0.114+/-0.002 χ^2/NDF:1480.9/39

All: -0.112+/-0.002 χ^2/NDF: 2747.3/75



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: -10.417+/-0.111 χ^2/NDF:1470.5/19

Left: -10.505+/-0.080 χ^2/NDF: 2802.3/40

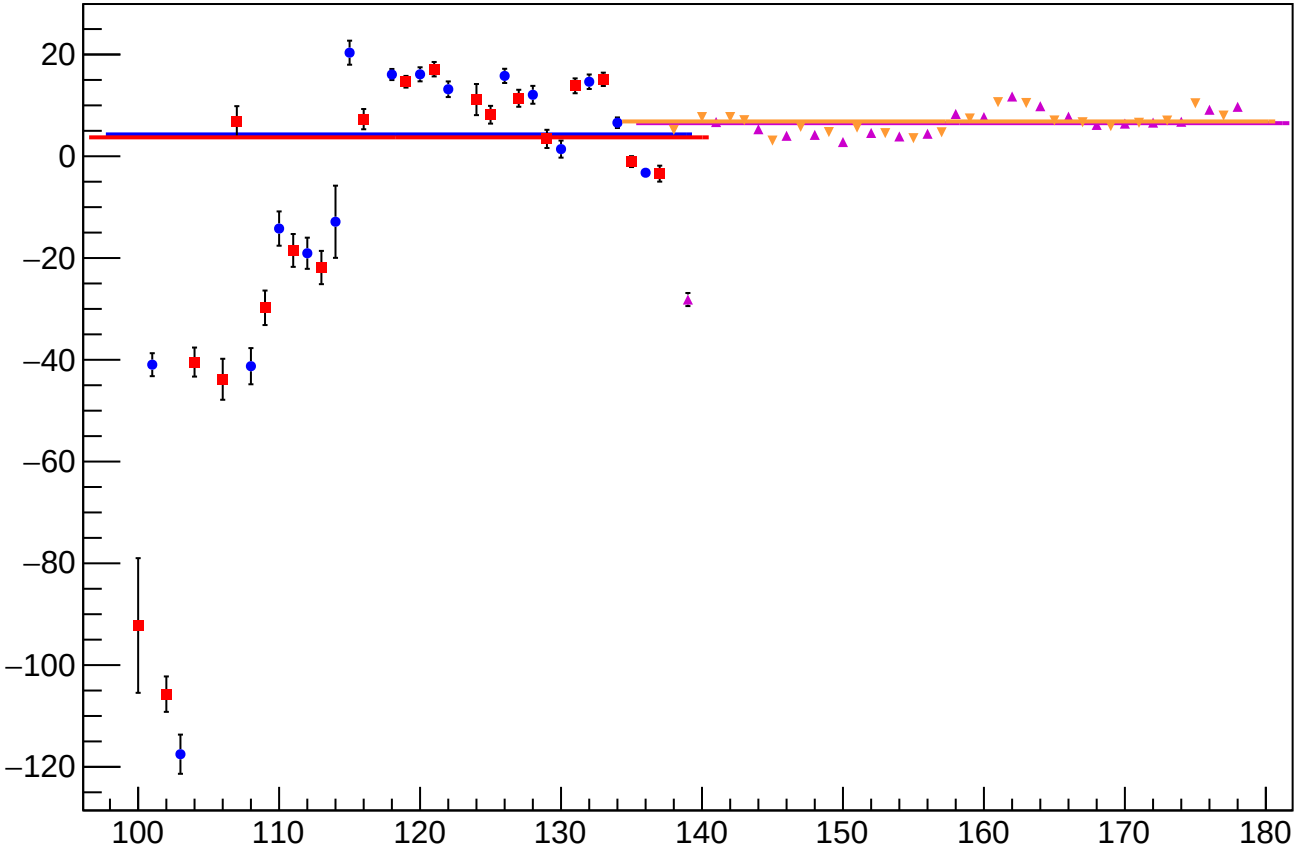
Right: -4.968+/-0.279 χ^2/NDF: 781.0/34

In: -9.923+/-0.107 χ^2/NDF:2008.8/35

Out: -10.255+/-0.111 χ^2/NDF:1934.6/39

All: -10.083+/-0.077 χ^2/NDF: 3948.0/75

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 6.844+/-0.086 χ^2/NDF:559.7/20

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

Left In: 6.504+/-0.084 χ^2/NDF:1361.3/19

Left: 6.670+/-0.060 χ^2/NDF: 1928.9/40

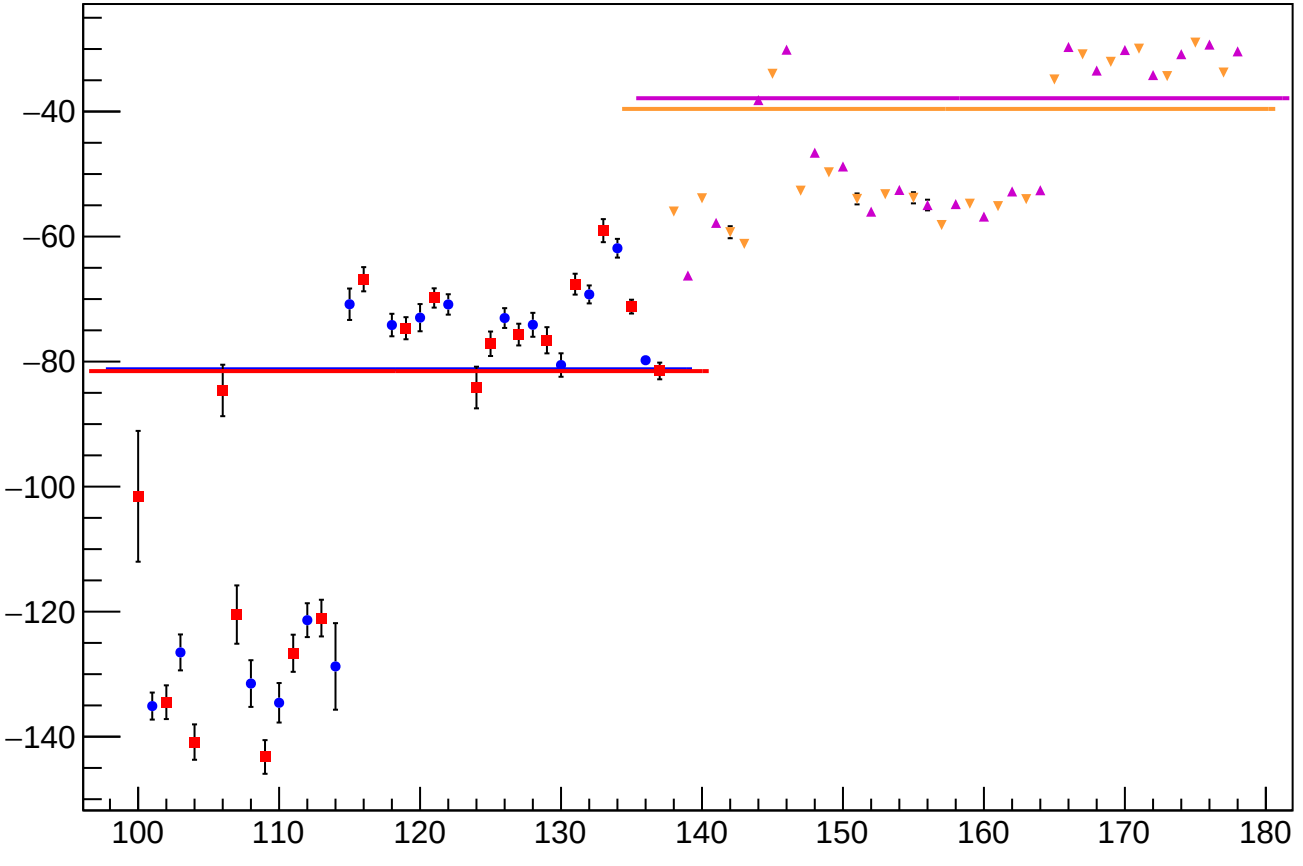
Right: 4.031+/-0.285 χ^2/NDF: 4177.4/34

In: 6.403+/-0.082 χ^2/NDF:3561.9/35

Out: 6.718+/-0.085 χ^2/NDF:2619.5/39

All: 6.556+/-0.059 χ^2/NDF: 6188.5/75

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -37.871+/-0.111 χ^2/NDF:9431.7/19

Left: -38.699+/-0.080 χ^2/NDF: 18774.5/40

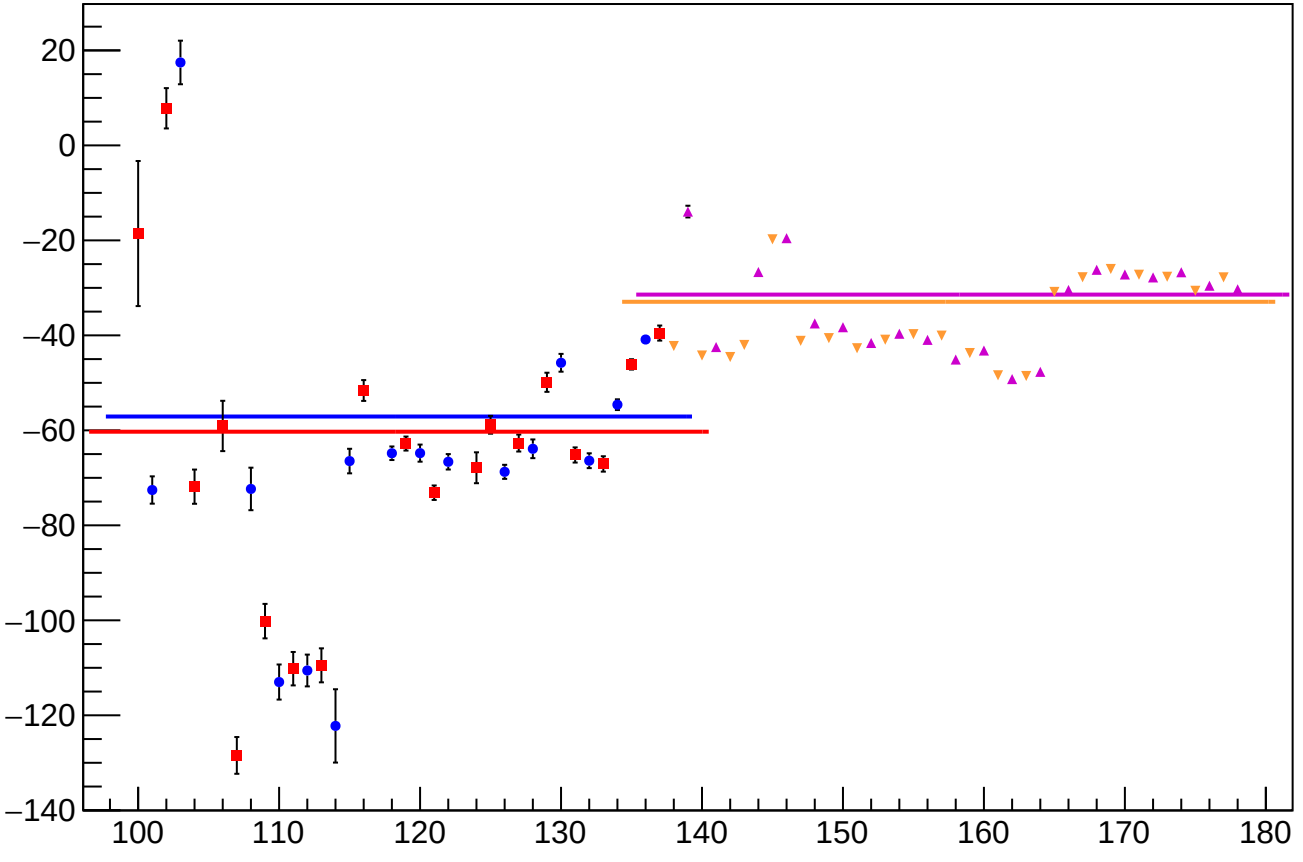
Right: -81.362+/-0.309 χ^2/NDF: 4264.5/34

In: -40.750+/-0.107 χ^2/NDF:21505.0/35

Out: -42.024+/-0.111 χ^2/NDF:19296.3/39

All: -41.364+/-0.077 χ^2/NDF: 40869.1/75

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -32.932+/-0.097 χ^2/NDF:7539.0/20

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

Left In: -31.416+/-0.095 χ^2/NDF:7298.0/19

Left: -32.158+/-0.068 χ^2/NDF: 14962.7/40

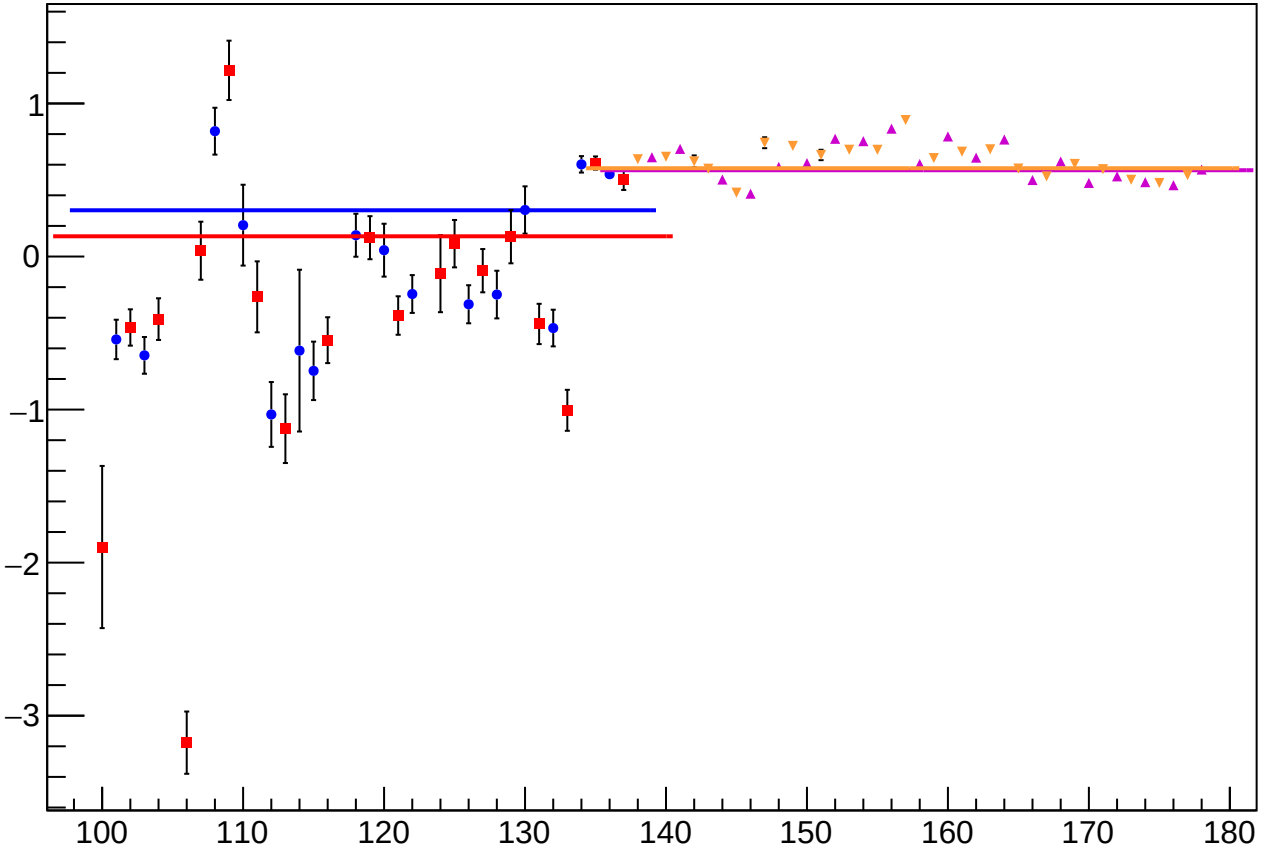
Right: -58.530+/-0.316 χ^2/NDF: 3140.1/34

In: -32.625+/-0.092 χ^2/NDF:12290.0/35

Out: -34.042+/-0.095 χ^2/NDF:12376.6/39

All: -33.316+/-0.066 χ^2/NDF: 24781.4/75

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: 0.564+/-0.004 χ^2/NDF:649.6/19

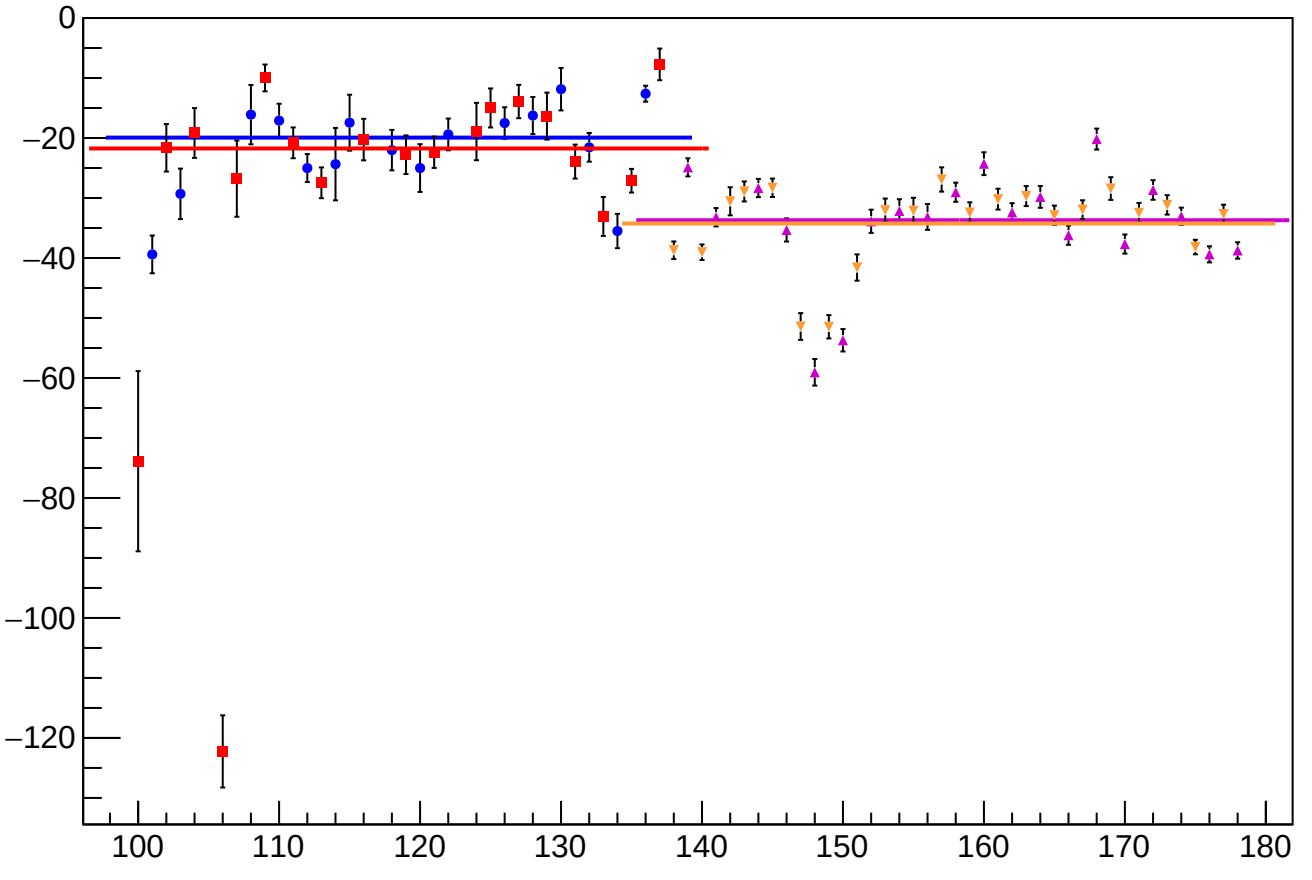
Left: 0.570+/-0.003 χ^2/NDF: 1188.6/40

Right: 0.229+/-0.017 χ^2/NDF: 1070.8/34

In: 0.555+/-0.004 χ^2/NDF:1150.2/35

Out: 0.565+/-0.004 χ^2/NDF:1481.1/39

All: 0.560+/-0.003 χ^2/NDF: 2634.1/75



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: -33.709+/-0.371 χ^2/NDF:442.3/19

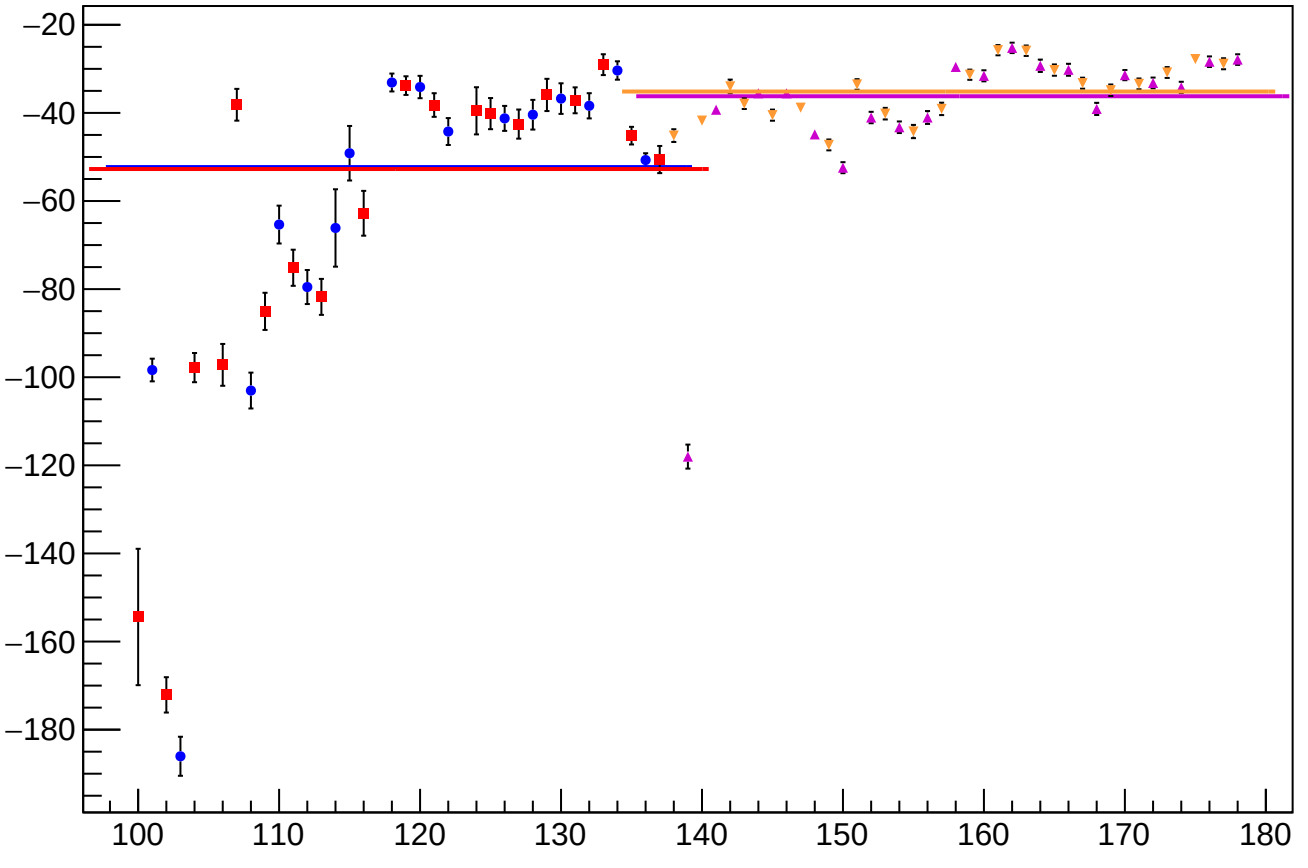
Left: -33.982+/-0.261 χ^2/NDF: 701.4/40

Right: -20.816+/-0.498 χ^2/NDF: 512.2/34

In: -30.648+/-0.328 χ^2/NDF:868.6/35

Out: -31.623+/-0.327 χ^2/NDF:888.8/39

All: -31.136+/-0.231 χ^2/NDF: 1761.8/75



Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -35.145+/-0.271 χ^2/NDF:513.6/20

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

Left In: -36.217+/-0.279 χ^2/NDF:1499.1/19

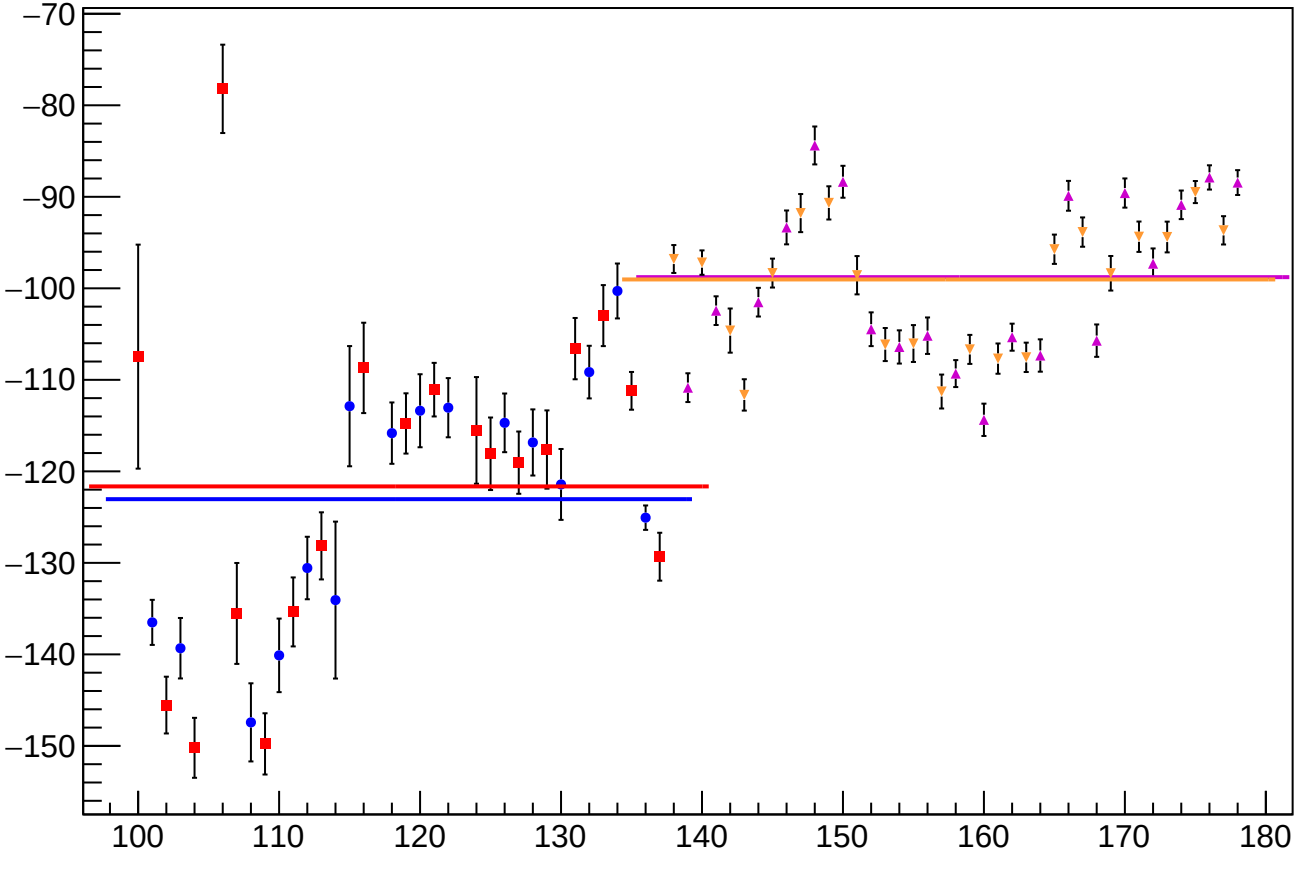
Left: -35.666+/-0.194 χ^2/NDF: 2020.3/40

Right: -52.505+/-0.514 χ^2/NDF: 3440.9/34

In: -38.373+/-0.259 χ^2/NDF:3723.8/35

Out: -37.181+/-0.255 χ^2/NDF:2664.9/39

All: -37.766+/-0.182 χ^2/NDF: 6399.4/75



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -99.031+/-0.364 χ^2/NDF:352.3/20

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

Left In: -98.780+/-0.366 χ^2/NDF:600.0/19

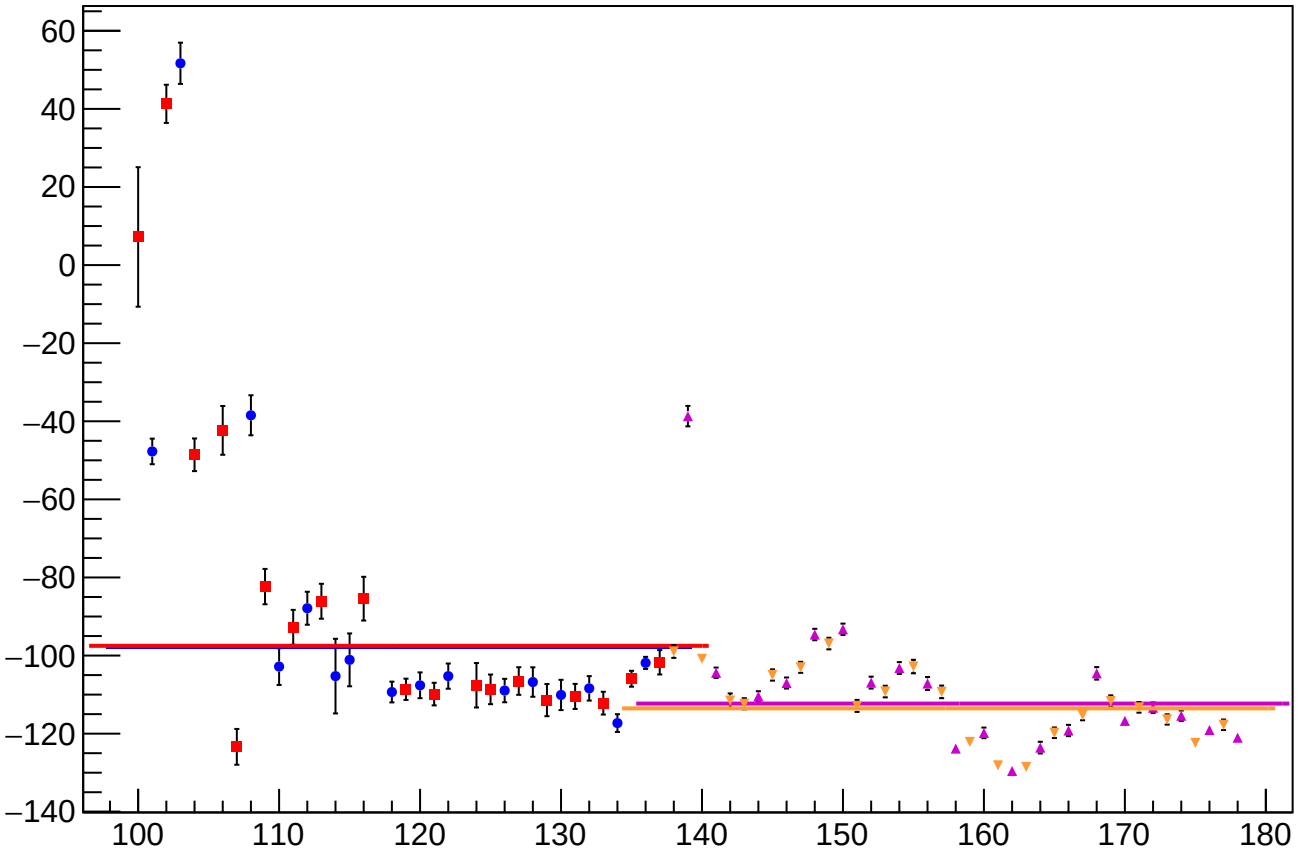
Left: -98.906+/-0.258 χ^2/NDF: 952.5/40

Right: -122.388+/-0.548 χ^2/NDF: 652.9/34

In: -103.452+/-0.329 χ^2/NDF:1671.6/35

Out: -102.899+/-0.331 χ^2/NDF:1437.2/39

All: -103.177+/-0.234 χ^2/NDF: 3110.2/75



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: -112.297+/-0.313 χ^2/NDF:1747.3/19

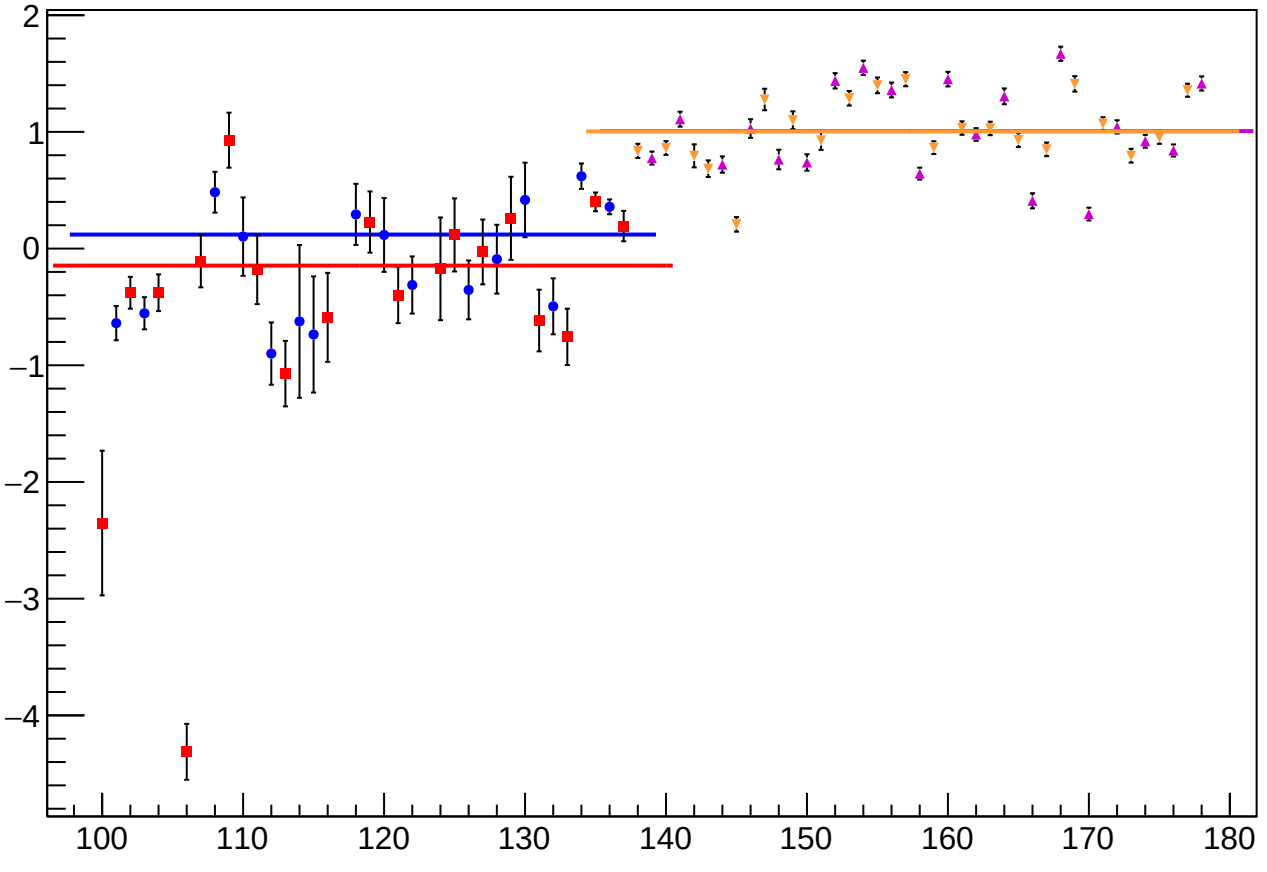
Left: -112.926+/-0.219 χ^2/NDF: 2627.7/40

Right: -97.668+/-0.578 χ^2/NDF: 2567.3/34

In: -110.348+/-0.291 χ^2/NDF:3366.7/35

Out: -111.658+/-0.288 χ^2/NDF:2428.4/39

All: -111.010+/-0.205 χ^2/NDF: 5805.3/75



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: 1.007+/-0.014 χ^2/NDF:758.7/19

Left: 1.005+/-0.010 χ^2/NDF: 1186.7/40

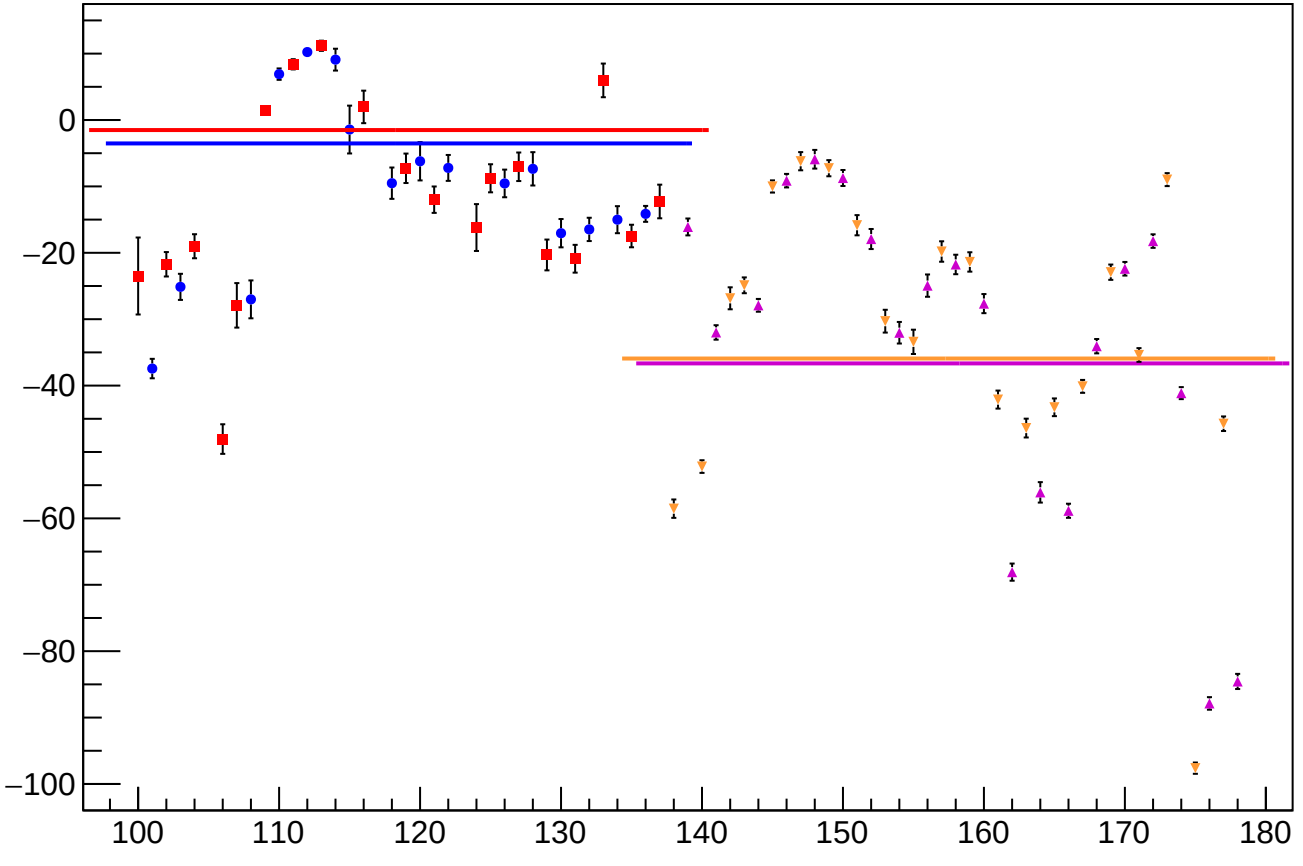
Right: -0.002+/-0.030 χ^2/NDF: 563.9/34

In: 0.918+/-0.013 χ^2/NDF:1298.9/35

Out: 0.905+/-0.013 χ^2/NDF:1449.1/39

All: 0.912+/-0.009 χ^2/NDF: 2748.5/75

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: -36.657+/-0.262 χ^2/NDF:8890.4/19

Left: -36.289+/-0.185 χ^2/NDF: 18148.1/40

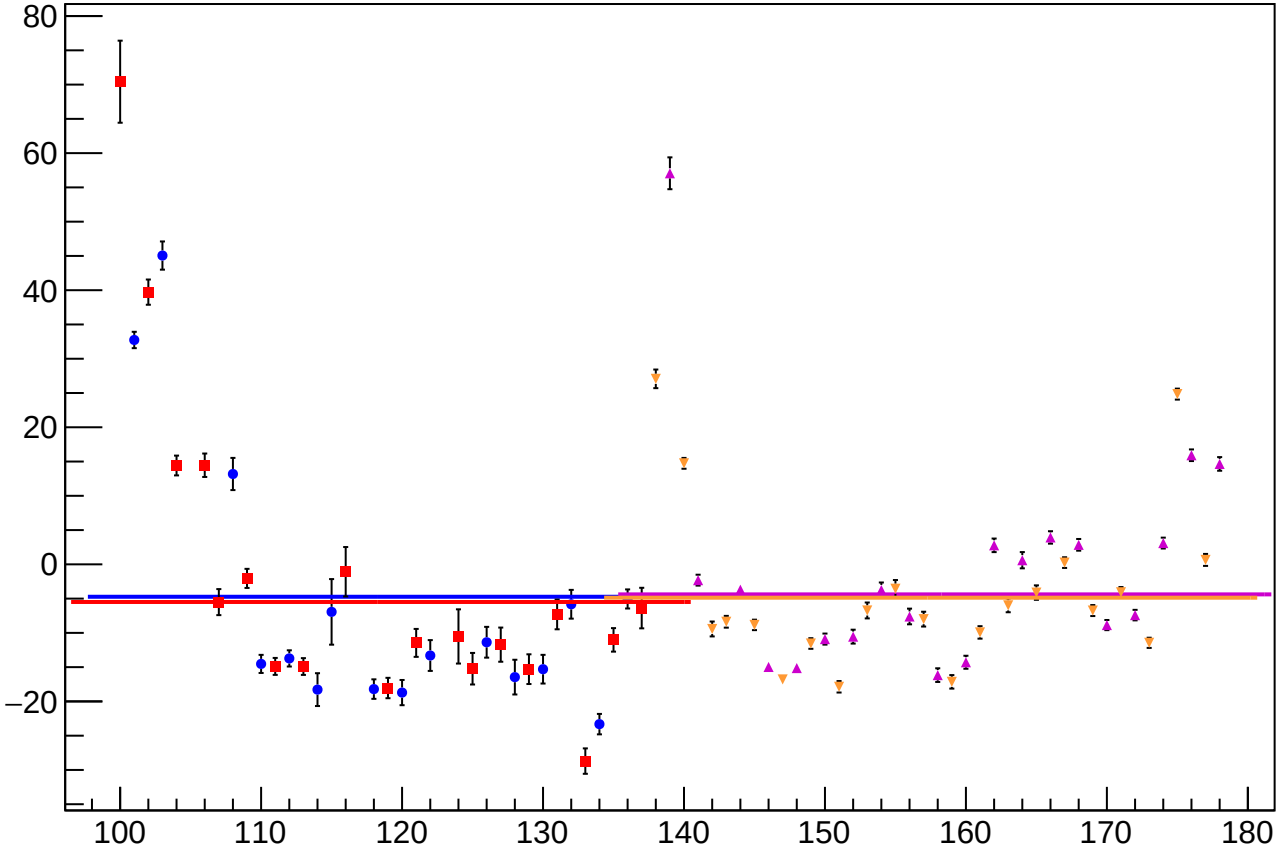
Right: -2.413+/-0.252 χ^2/NDF: 3069.7/34

In: -25.871+/-0.215 χ^2/NDF:15634.2/35

Out: -23.080+/-0.207 χ^2/NDF:17257.1/39

All: -24.421+/-0.149 χ^2/NDF: 32978.9/75

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: -4.867+/-0.190 χ^2/NDF:3638.4/20

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

Left In: -4.383+/-0.194 χ^2/NDF:2926.7/19

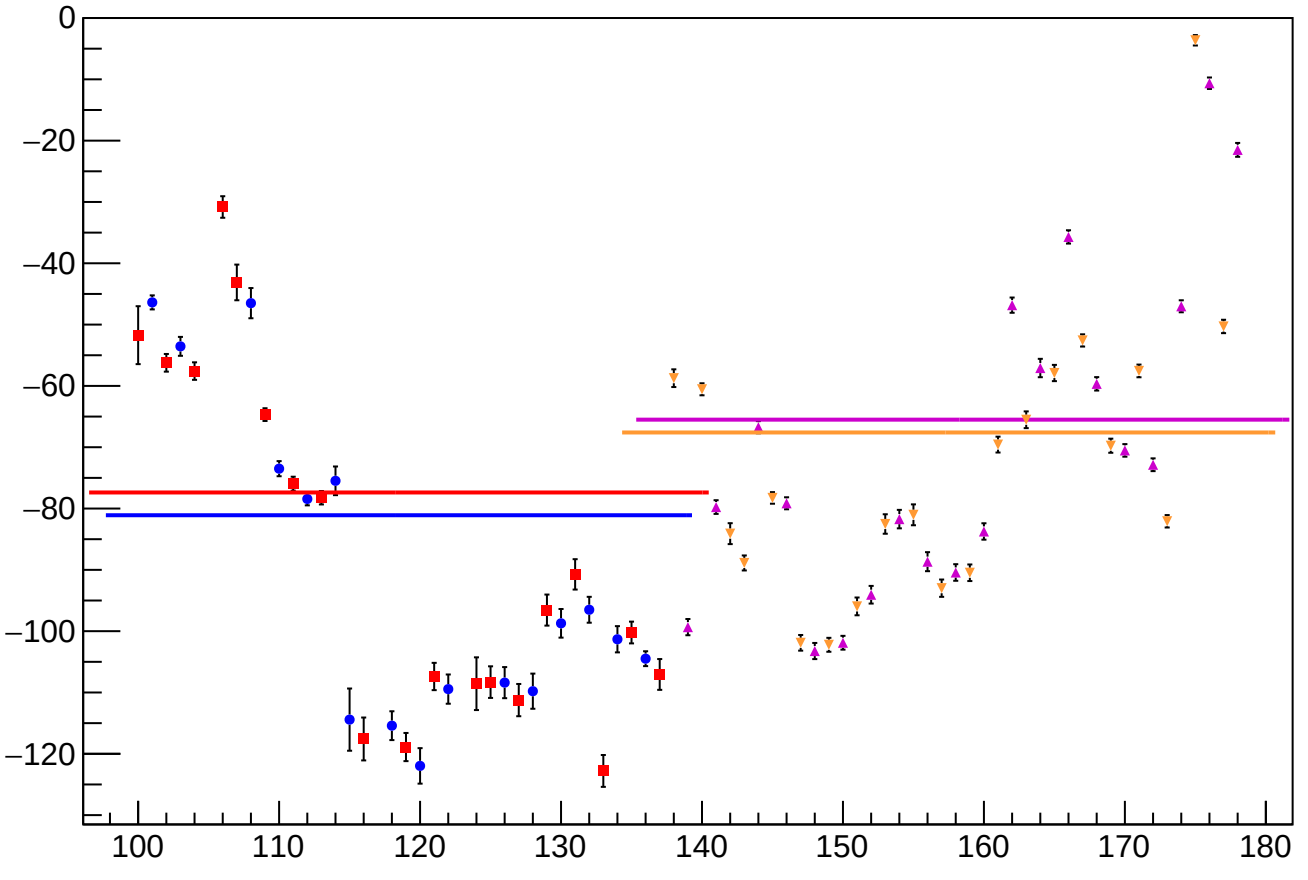
Left: -4.629+/-0.136 χ^2/NDF: 6568.3/40

Right: -5.118+/-0.302 χ^2/NDF: 3658.1/34

In: -4.441+/-0.177 χ^2/NDF:5075.3/35

Out: -4.973+/-0.174 χ^2/NDF:5148.8/39

All: -4.712+/-0.124 χ^2/NDF: 10228.7/75



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: -65.503+/-0.259 χ^2/NDF:10570.6/19

Left: -66.550+/-0.183 χ^2/NDF: 20518.2/40

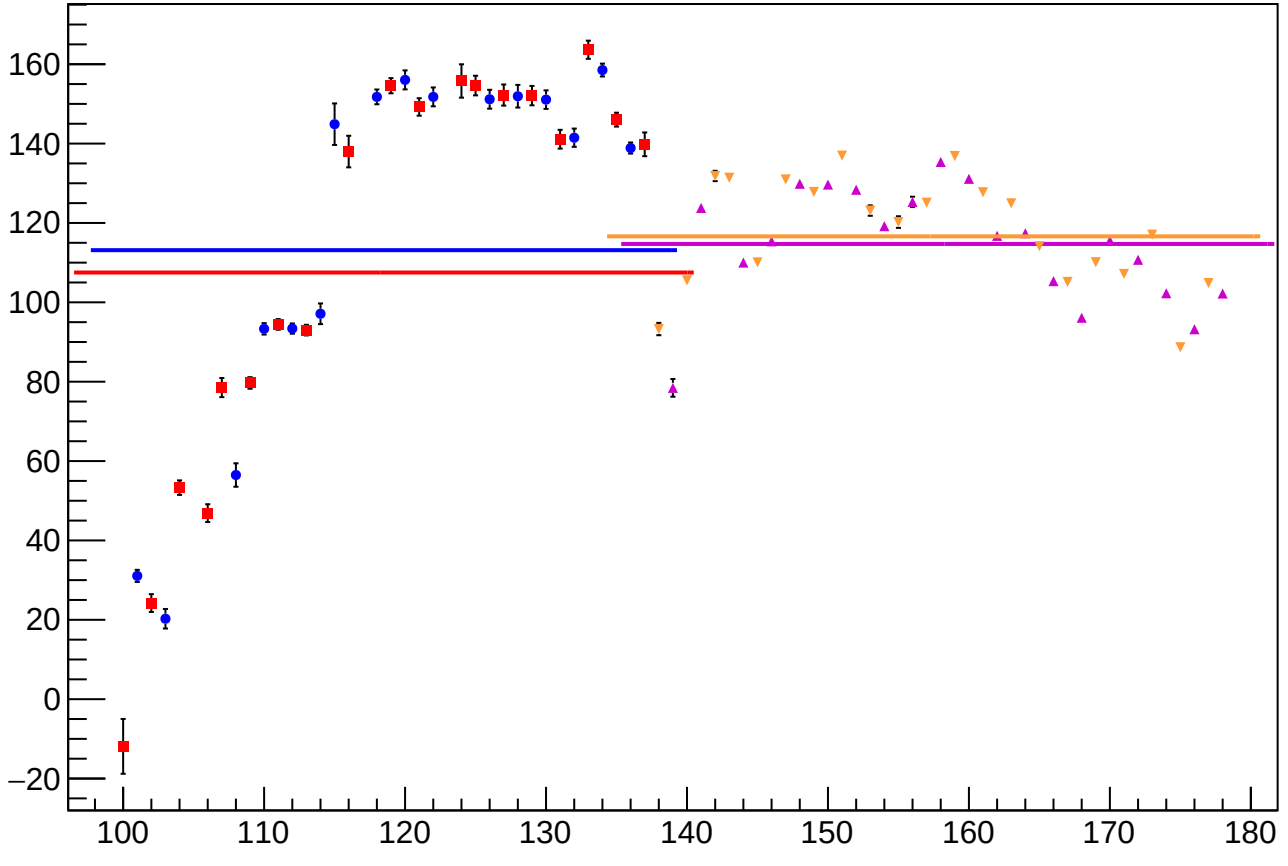
Right: -79.142+/-0.302 χ^2/NDF: 6037.6/34

In: -69.547+/-0.223 χ^2/NDF:14377.3/35

Out: -70.321+/-0.220 χ^2/NDF:13442.2/39

All: -69.940+/-0.157 χ^2/NDF: 27825.6/75

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 113.143+/-0.489 χ^2/NDF: 8204.1/15

Left Out: 116.627+/-0.217 χ^2/NDF:3825.9/20

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

Left In: 114.708+/-0.220 χ^2/NDF:3163.1/19

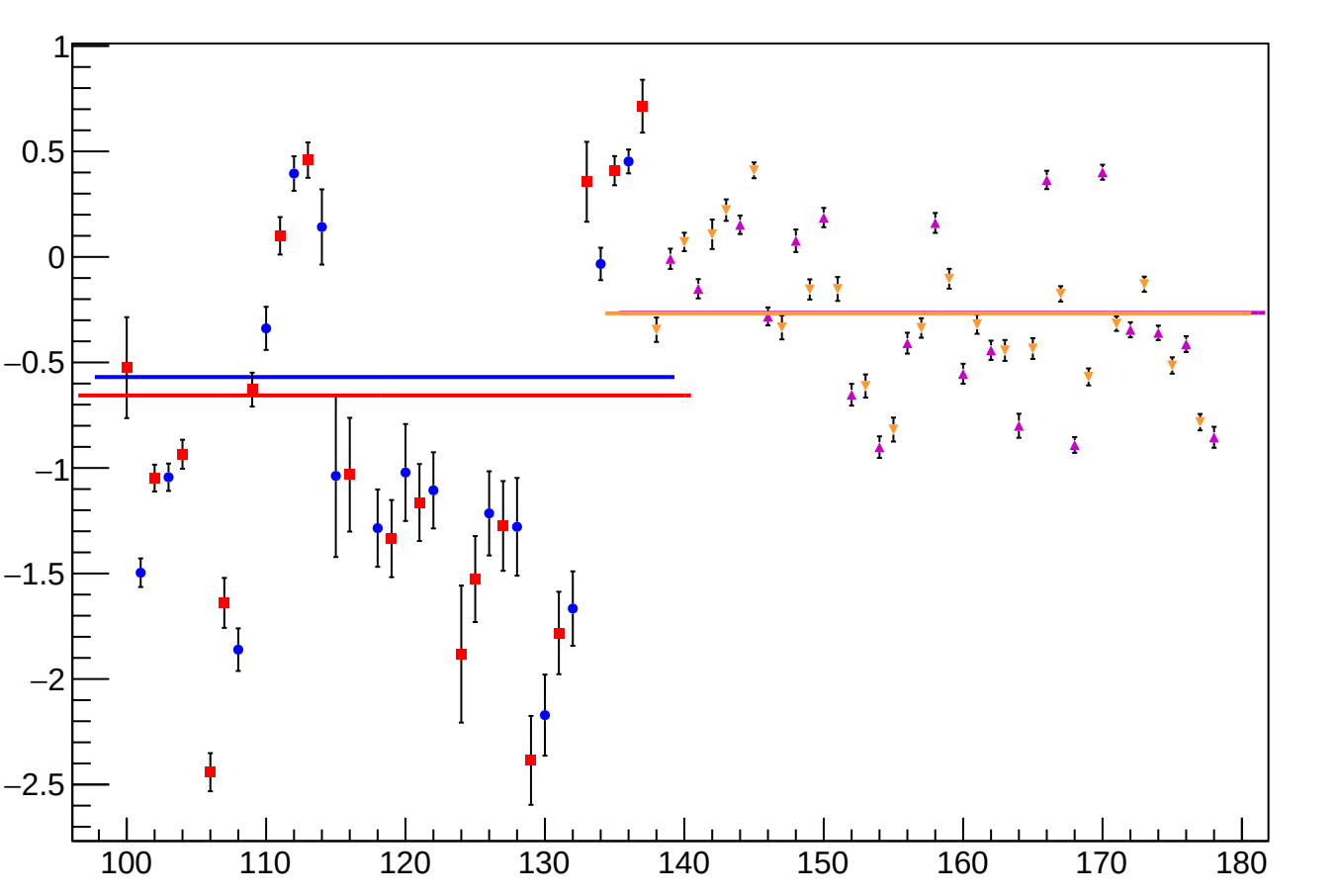
Left: 115.679+/-0.154 χ^2/NDF: 7027.6/40

Right: 110.273+/-0.342 χ^2/NDF: 15815.7/34

In: 114.446+/-0.200 χ^2/NDF:11375.7/35

Out: 115.079+/-0.198 χ^2/NDF:11669.8/39

All: 114.767+/-0.141 χ^2/NDF: 23050.6/75



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: -0.265+/-0.010 χ^2/NDF:1719.5/19

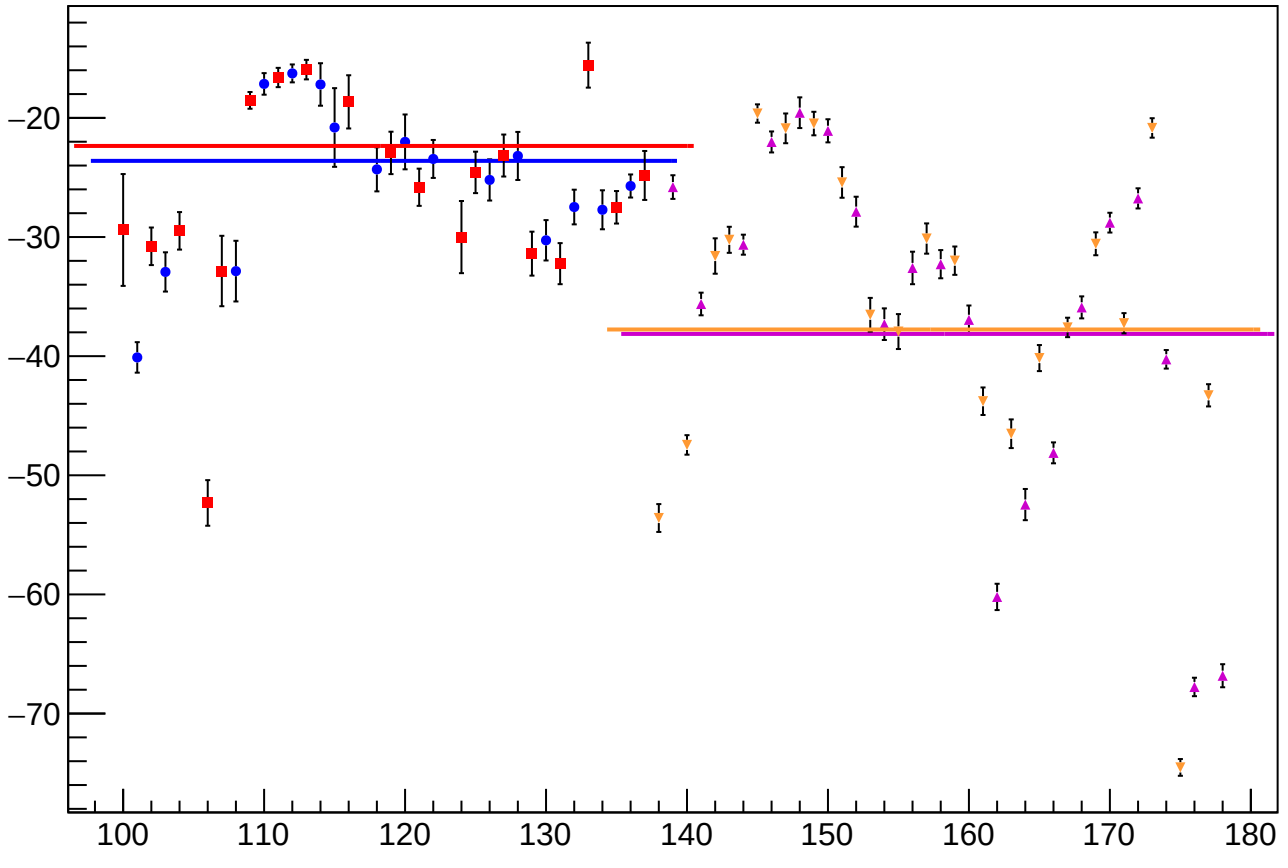
Left: -0.266+/-0.007 χ^2/NDF: 2712.9/40

Right: -0.614+/-0.018 χ^2/NDF: 2418.5/34

In: -0.303+/-0.009 χ^2/NDF:2938.7/35

Out: -0.318+/-0.009 χ^2/NDF:2515.9/39

All: -0.311+/-0.006 χ^2/NDF: 5456.0/75



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: -38.134+/-0.220 χ^2/NDF:4511.5/19

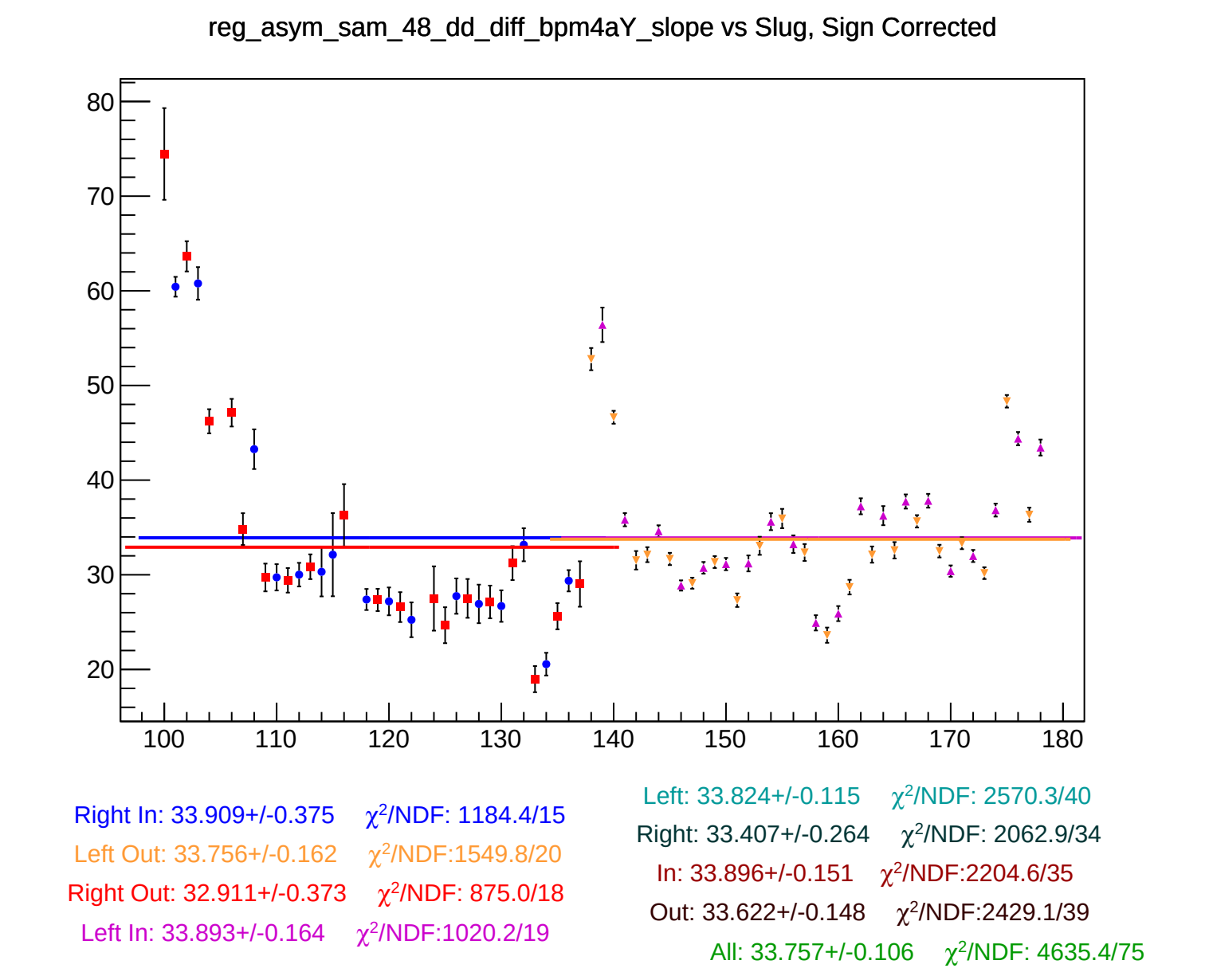
Left: -37.948+/-0.155 χ^2/NDF: 9431.4/40

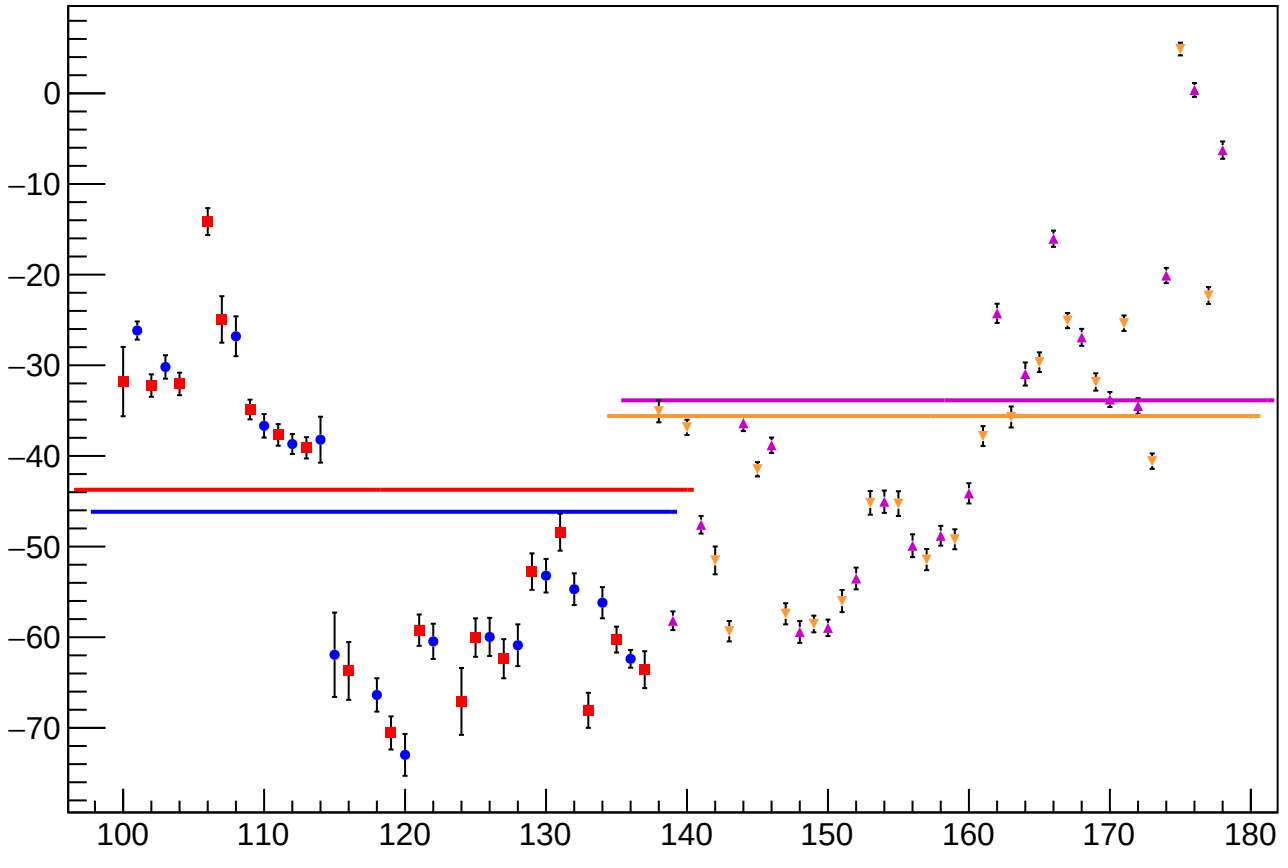
Right: -22.931+/-0.236 χ^2/NDF: 965.1/34

In: -34.001+/-0.186 χ^2/NDF:6162.6/35

Out: -32.855+/-0.182 χ^2/NDF:7032.9/39

All: -33.415+/-0.130 χ^2/NDF: 13214.9/75


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: 33.893+/-0.164 χ2/NDF:1020.2/19
Left: 33.824+/-0.115 χ2/NDF: 2570.3/40
Right: 33.407+/-0.264 χ2/NDF: 2062.9/34
In: 33.896+/-0.151 χ2/NDF:2204.6/35
Out: 33.622+/-0.148 χ2/NDF:2429.1/39
All: 33.757+/-0.106 χ2/NDF: 4635.4/75



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: -33.865+/-0.218 χ^2/NDF:6432.3/19

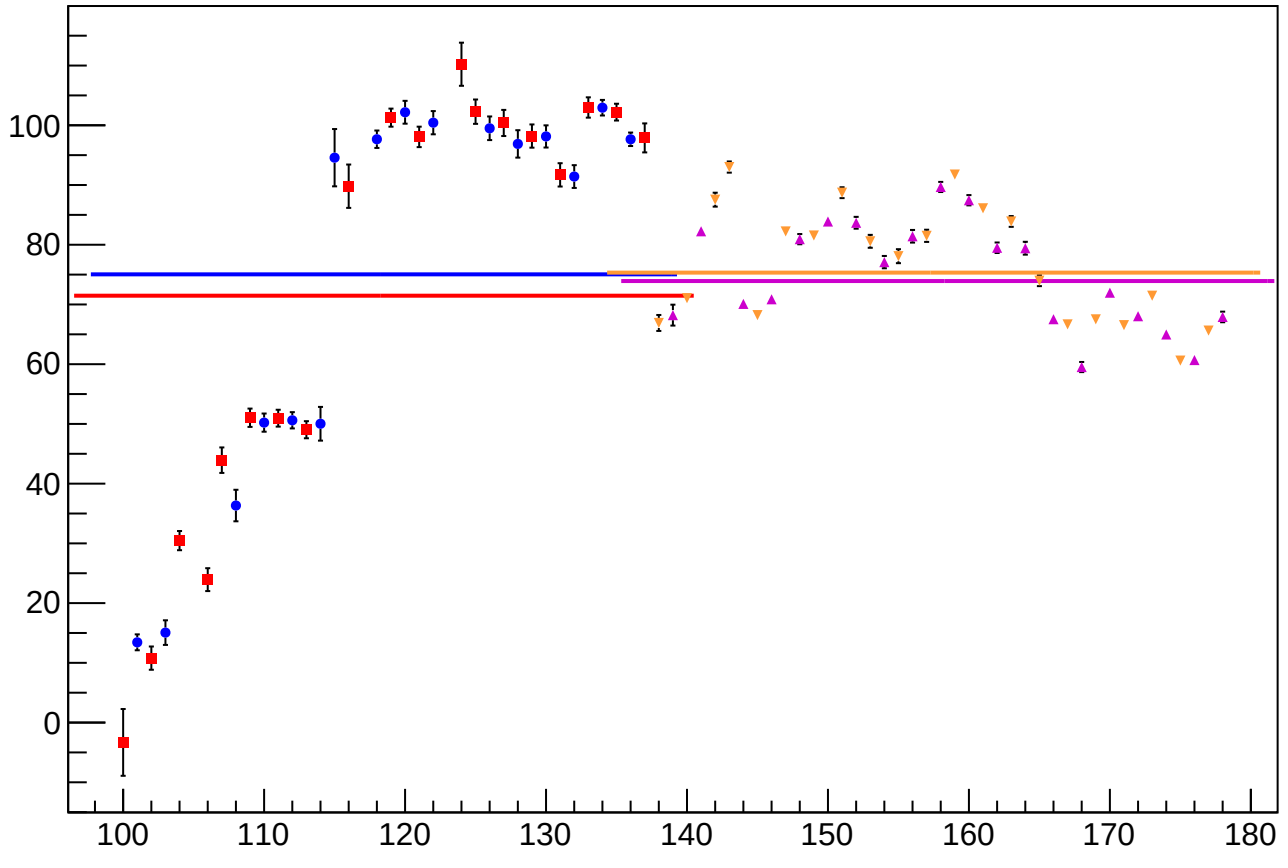
Left: -34.729+/-0.154 χ^2/NDF: 12676.2/40

Right: -44.909+/-0.271 χ^2/NDF: 3173.0/34

In: -36.786+/-0.190 χ^2/NDF:8680.4/35

Out: -37.623+/-0.189 χ^2/NDF:8222.9/39

All: -37.207+/-0.134 χ^2/NDF: 16913.0/75



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: 73.922+/-0.185 χ^2/NDF:2161.8/19

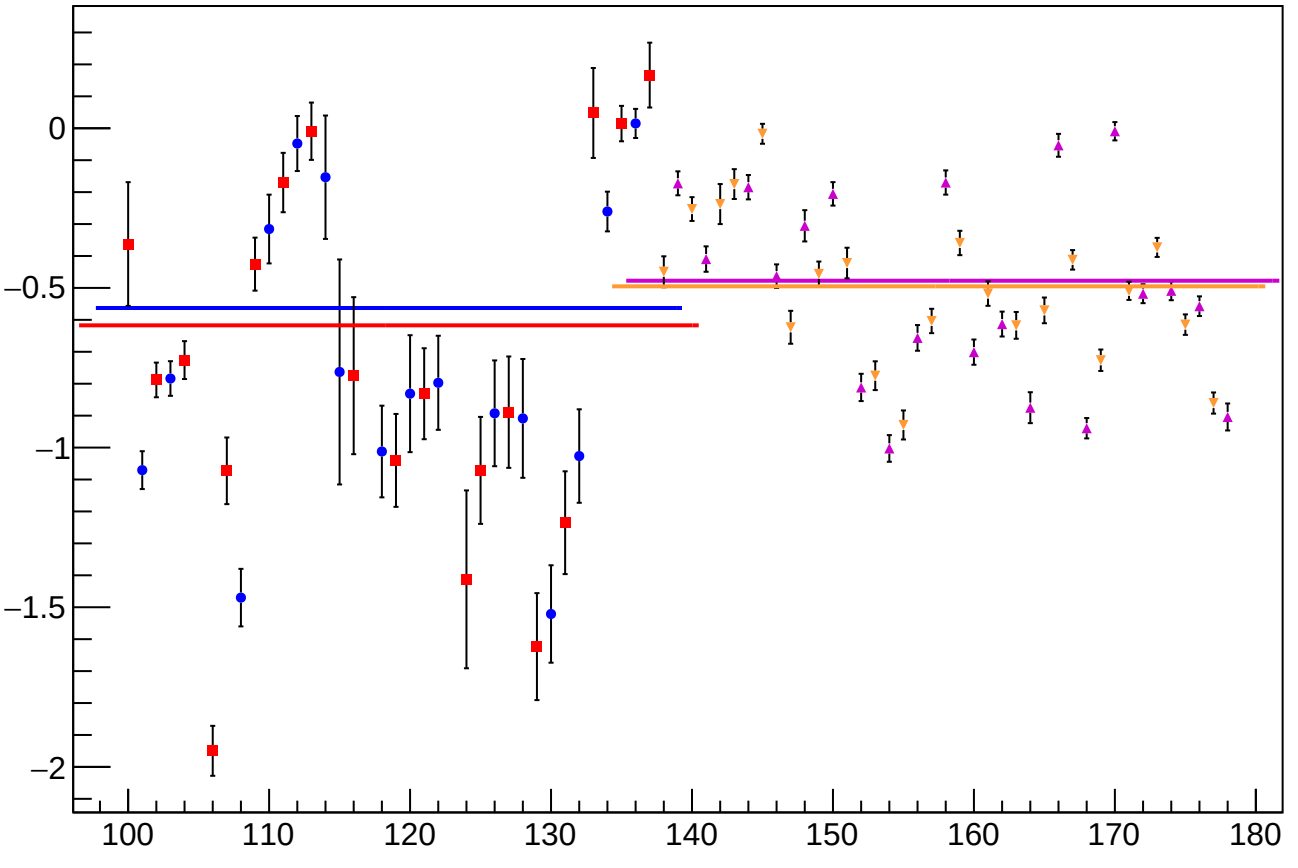
Left: 74.636+/-0.130 χ^2/NDF: 4922.1/40

Right: 73.248+/-0.302 χ^2/NDF: 11491.6/34

In: 74.099+/-0.170 χ^2/NDF:7995.9/35

Out: 74.729+/-0.168 χ^2/NDF:8428.7/39

All: 74.417+/-0.120 χ^2/NDF: 16431.5/75



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.495+/-0.008 χ^2/NDF:721.4/20

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

Left In: -0.477+/-0.008 χ^2/NDF:1339.5/19

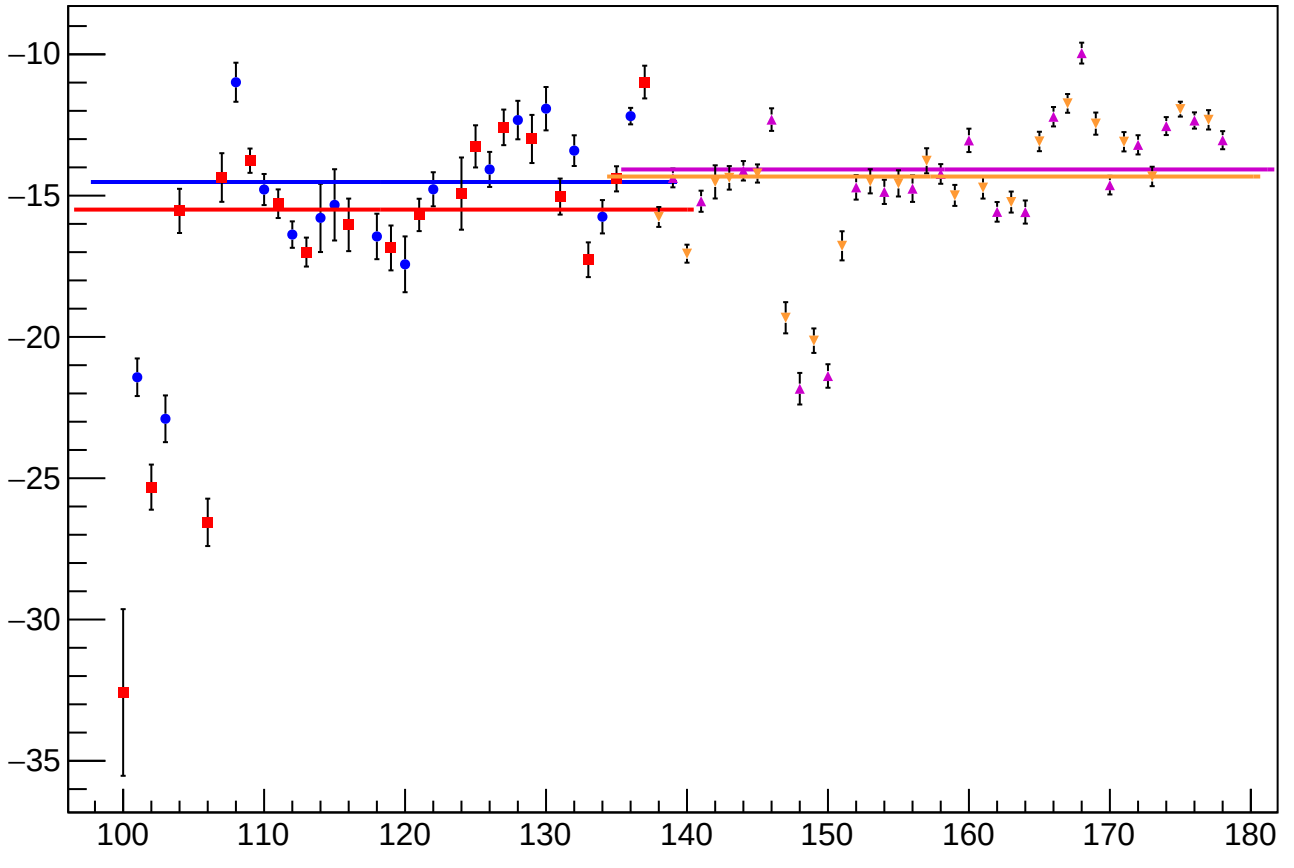
Left: -0.486+/-0.006 χ^2/NDF: 2063.2/40

Right: -0.590+/-0.016 χ^2/NDF: 1186.0/34

In: -0.488+/-0.008 χ^2/NDF:1845.5/35

Out: -0.510+/-0.008 χ^2/NDF:1438.1/39

All: -0.499+/-0.005 χ^2/NDF: 3287.7/75



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: -14.073+/-0.082 χ^2/NDF:810.4/19

Left: -14.199+/-0.058 χ^2/NDF: 1427.6/40

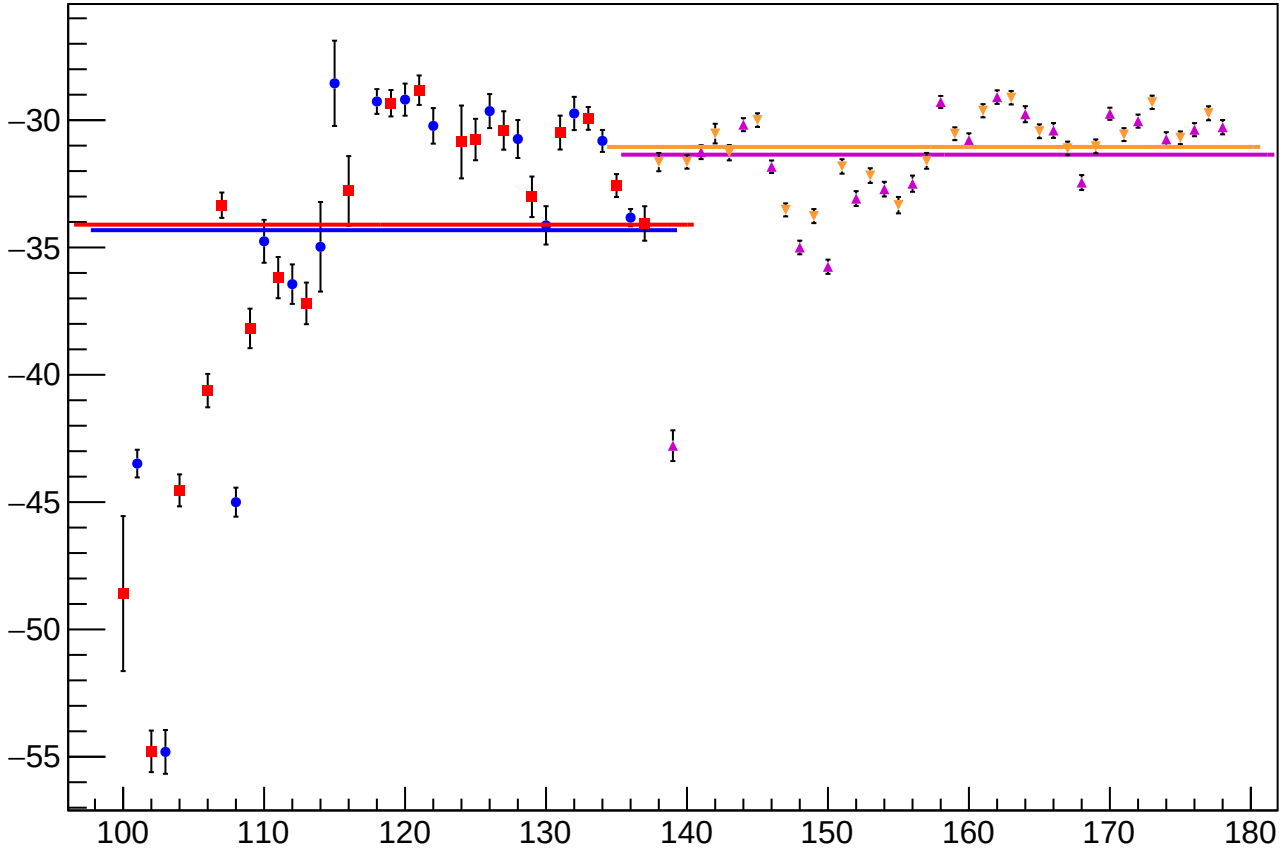
Right: -15.004+/-0.106 χ^2/NDF: 888.5/34

In: -14.176+/-0.072 χ^2/NDF:1180.6/35

Out: -14.593+/-0.072 χ^2/NDF:1163.2/39

All: -14.385+/-0.051 χ^2/NDF: 2360.6/75

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.052+/-0.061 χ^2/NDF:455.3/20

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

Left In: -31.356+/-0.062 χ^2/NDF:1191.1/19

Left: -31.200+/-0.043 χ^2/NDF: 1658.7/40

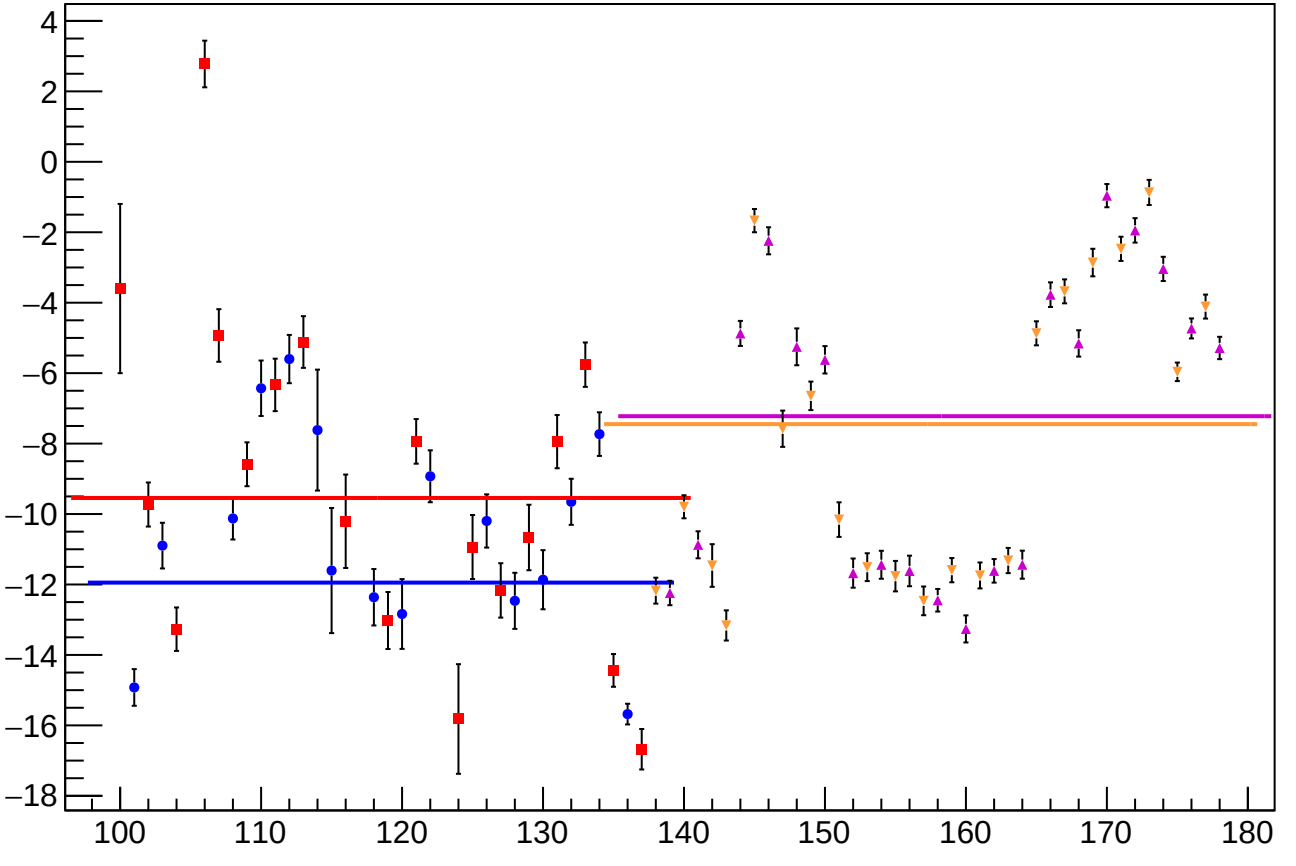
Right: -34.213+/-0.109 χ^2/NDF: 3056.3/34

In: -31.774+/-0.058 χ^2/NDF:3133.2/35

Out: -31.462+/-0.057 χ^2/NDF:2229.5/39

All: -31.615+/-0.040 χ^2/NDF: 5377.6/75

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: -7.222+/-0.081 χ^2/NDF:2652.7/19

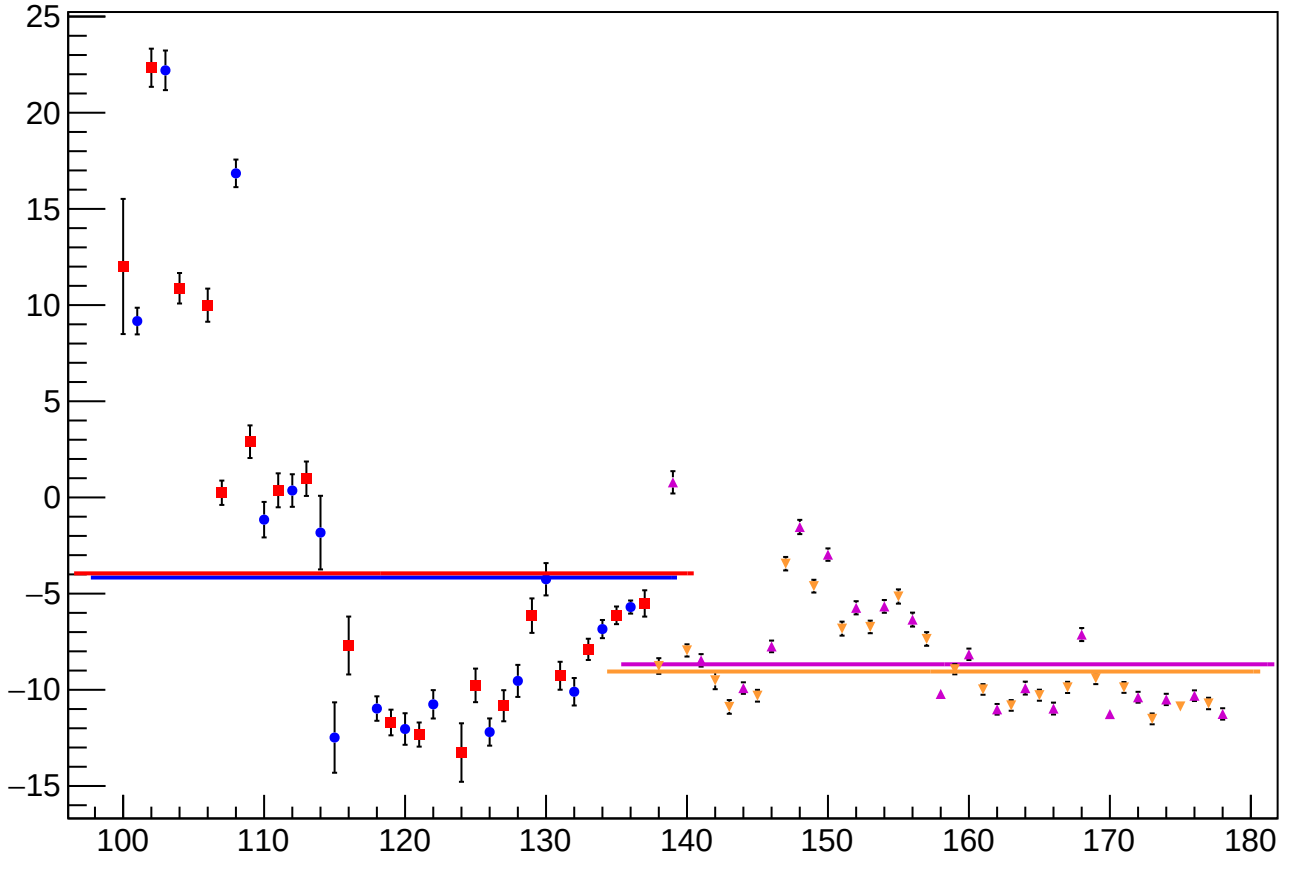
Left: -7.335+/-0.057 χ^2/NDF: 5186.4/40

Right: -10.782+/-0.115 χ^2/NDF: 1386.2/34

In: -8.182+/-0.072 χ^2/NDF:3776.2/35

Out: -7.853+/-0.073 χ^2/NDF:3506.7/39

All: -8.019+/-0.051 χ^2/NDF: 7293.2/75



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: -8.674+/-0.069 χ^2/NDF:1660.1/19

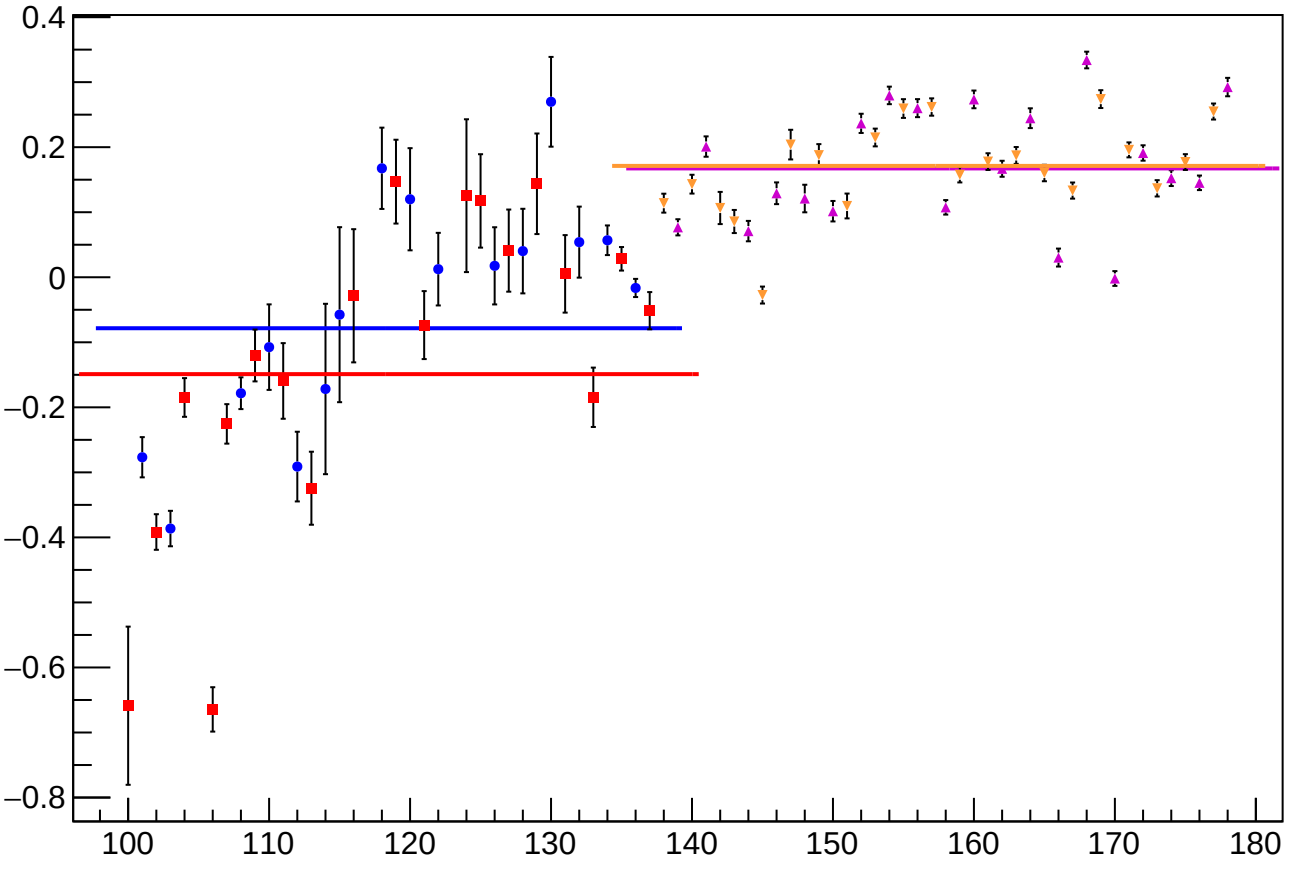
Left: -8.865+/-0.049 χ^2/NDF: 2630.3/40

Right: -4.057+/-0.123 χ^2/NDF: 4636.0/34

In: -8.044+/-0.064 χ^2/NDF:4777.5/35

Out: -8.382+/-0.064 χ^2/NDF:3795.9/39

All: -8.215+/-0.045 χ^2/NDF: 8587.3/75



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: 0.167+/-0.003 χ^2/NDF:951.2/19

Left: 0.169+/-0.002 χ^2/NDF: 1468.2/40

Right: -0.112+/-0.006 χ^2/NDF: 875.6/34

In: 0.140+/-0.003 χ^2/NDF:2001.6/35

Out: 0.139+/-0.003 χ^2/NDF:2160.9/39

All: 0.140+/-0.002 χ^2/NDF: 4162.6/75

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: 3.255+/-0.074 χ^2/NDF:812.8/19

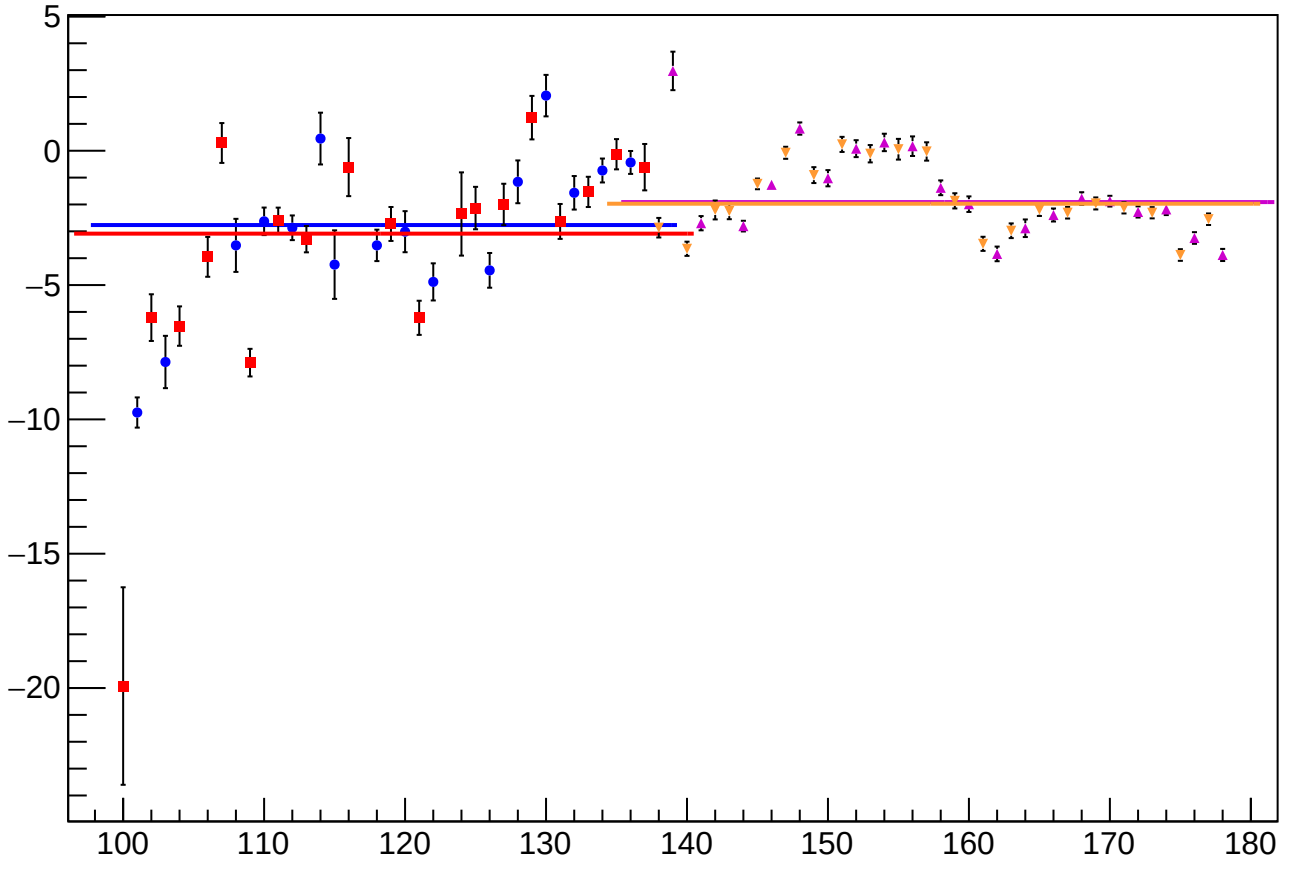
Left: 3.307+/-0.053 χ^2/NDF: 1393.3/40

Right: -1.428+/-0.094 χ^2/NDF: 1741.3/34

In: 2.313+/-0.065 χ^2/NDF:1904.3/35

Out: 2.018+/-0.065 χ^2/NDF:3163.8/39

All: 2.165+/-0.046 χ^2/NDF: 5078.5/75



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: -1.912+/-0.056 χ^2/NDF:545.8/19

Left: -1.942+/-0.039 χ^2/NDF: 983.9/40

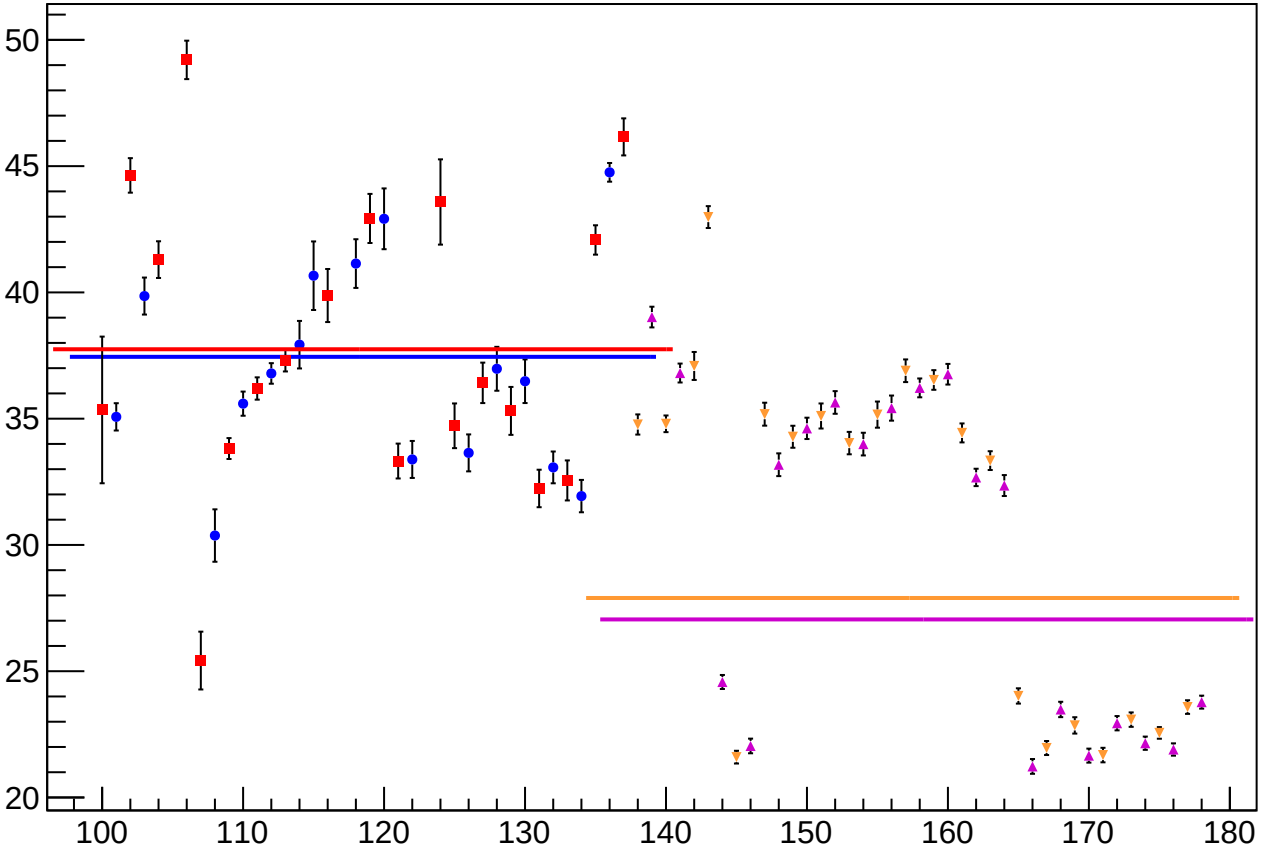
Right: -2.925+/-0.111 χ^2/NDF: 584.6/34

In: -2.007+/-0.052 χ^2/NDF:882.4/35

Out: -2.096+/-0.053 χ^2/NDF:754.4/39

All: -2.051+/-0.037 χ^2/NDF: 1638.2/75

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: 27.051+/-0.074 χ^2/NDF:6981.2/19

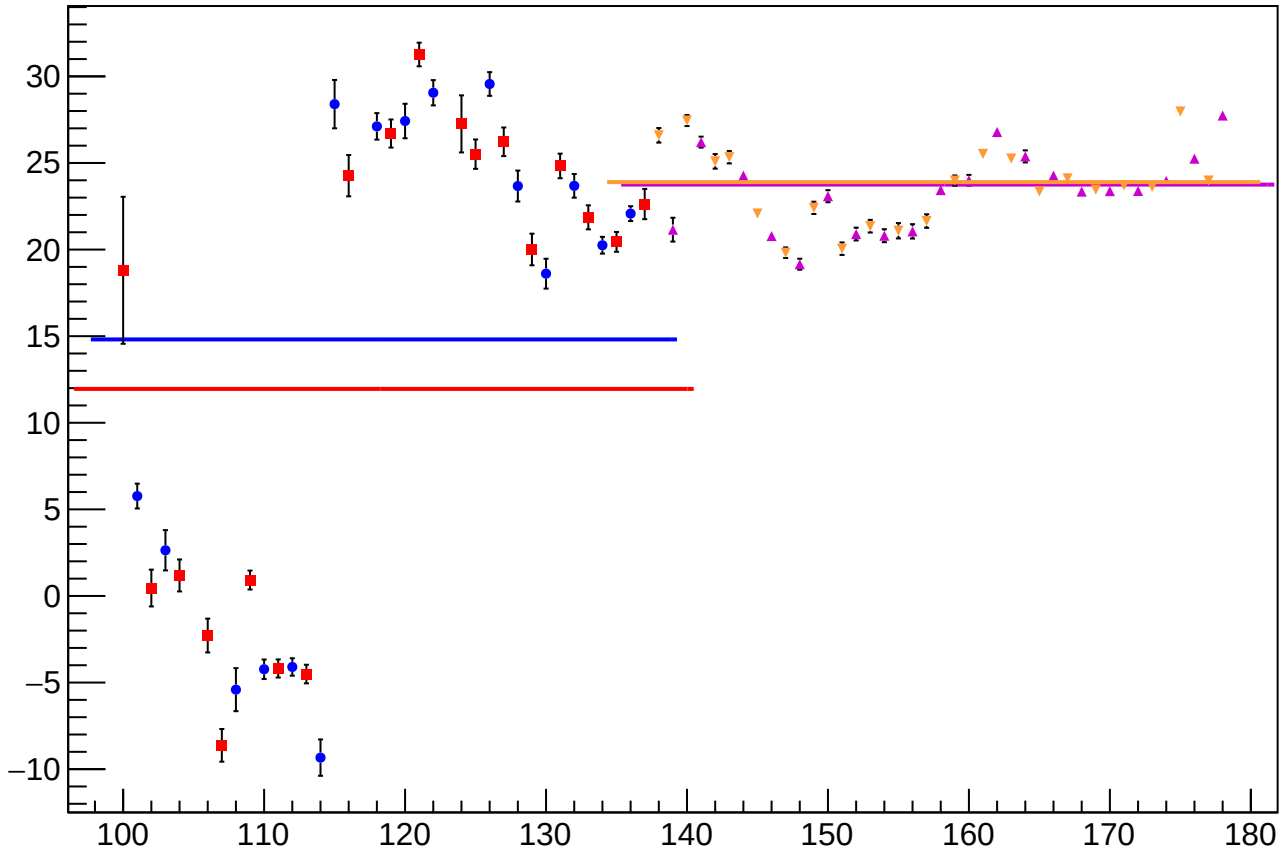
Left: 27.469+/-0.052 χ^2/NDF: 14784.0/40

Right: 37.600+/-0.113 χ^2/NDF: 1672.3/34

In: 28.856+/-0.067 χ^2/NDF:11147.2/35

Out: 29.675+/-0.068 χ^2/NDF:11830.4/39

All: 29.261+/-0.048 χ^2/NDF: 23051.4/75



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: 23.752+/-0.062 χ^2/NDF:1109.5/19

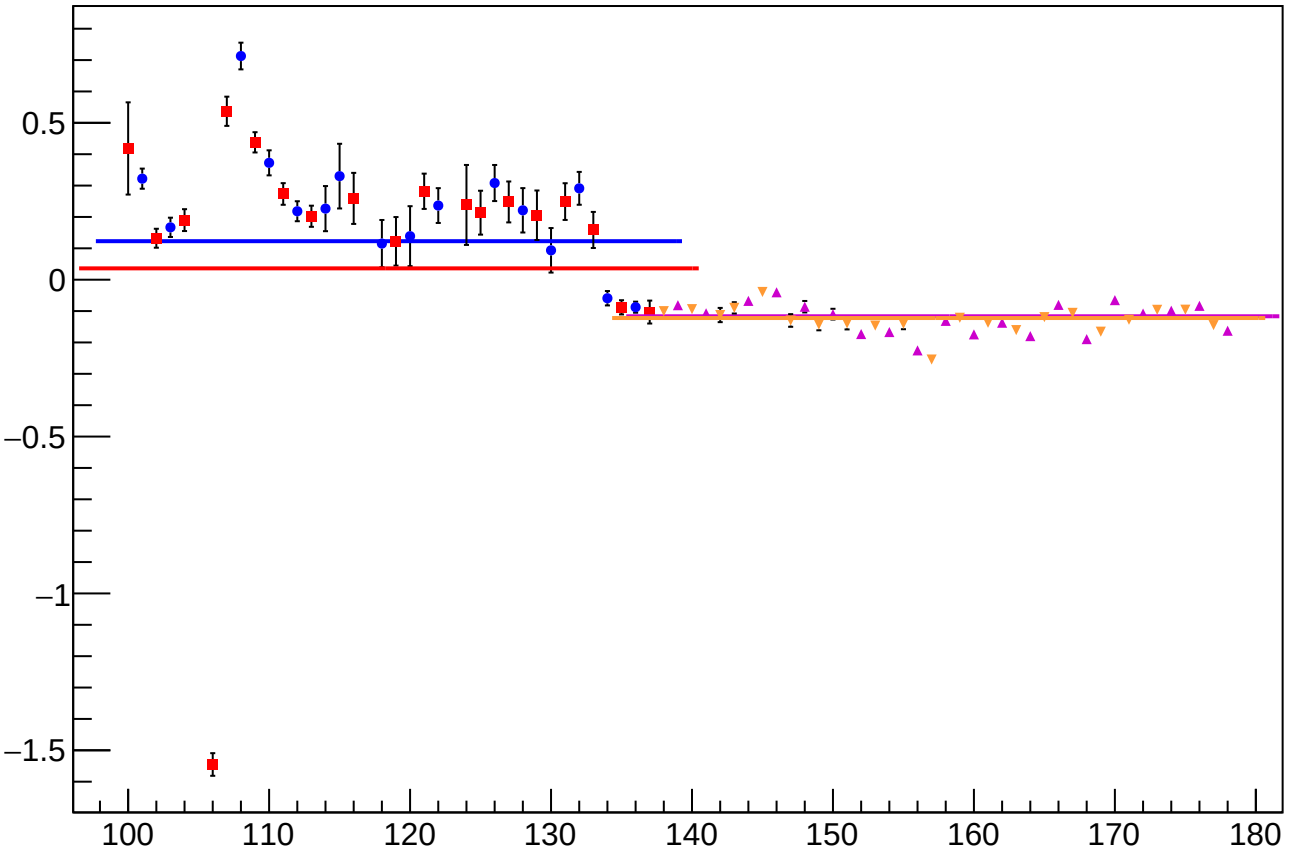
Left: 23.823+/-0.044 χ^2/NDF: 2181.2/40

Right: 13.408+/-0.124 χ^2/NDF: 11924.5/34

In: 22.731+/-0.059 χ^2/NDF:9137.4/35

Out: 22.564+/-0.059 χ^2/NDF:11225.9/39

All: 22.648+/-0.042 χ^2/NDF: 20367.4/75



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: -0.117+/-0.003 χ^2/NDF:289.0/19

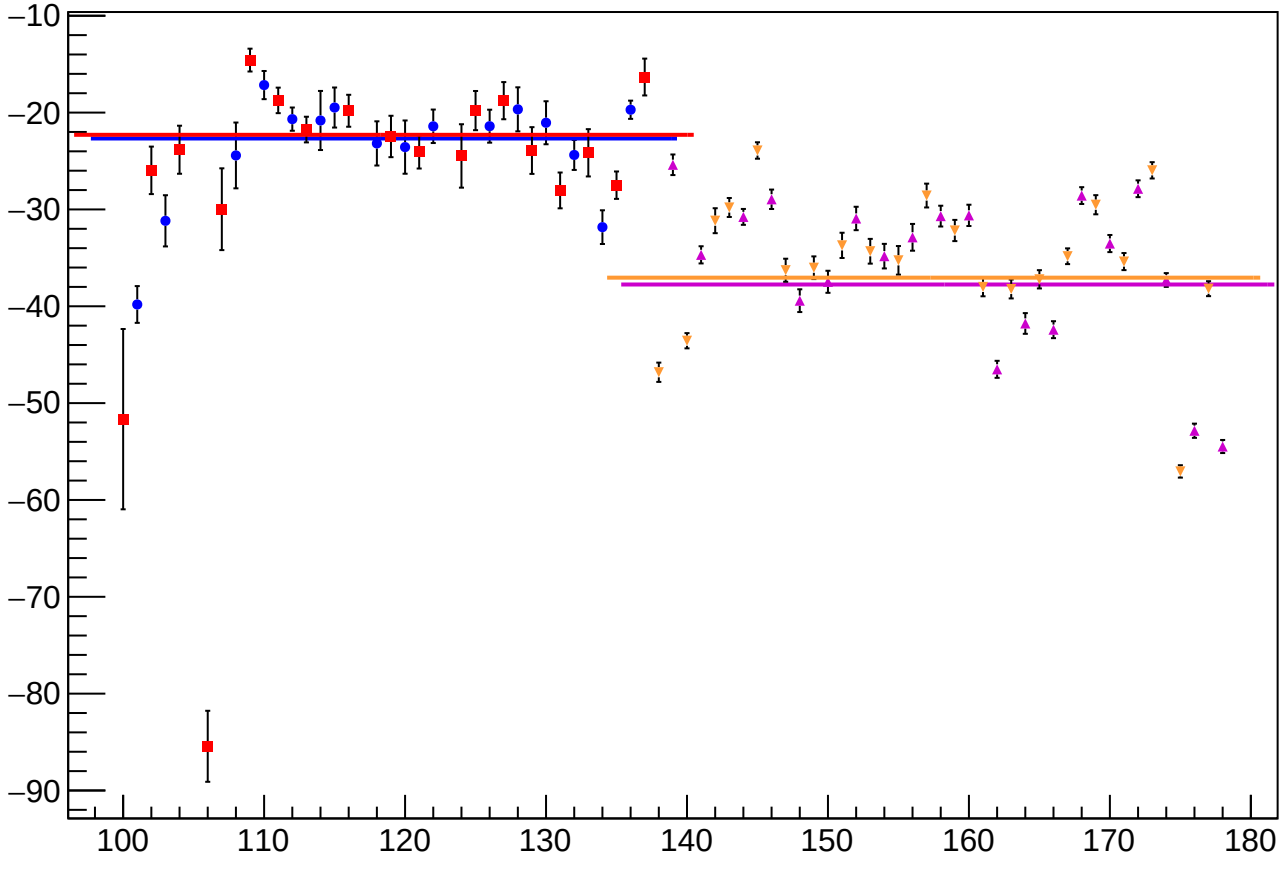
Left: -0.119+/-0.002 χ^2/NDF: 501.9/40

Right: 0.081+/-0.007 χ^2/NDF: 2975.5/34

In: -0.097+/-0.003 χ^2/NDF:1404.0/35

Out: -0.110+/-0.003 χ^2/NDF:2867.9/39

All: -0.104+/-0.002 χ^2/NDF: 4283.1/75



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: -37.752+/-0.208 χ^2/NDF:1878.0/19

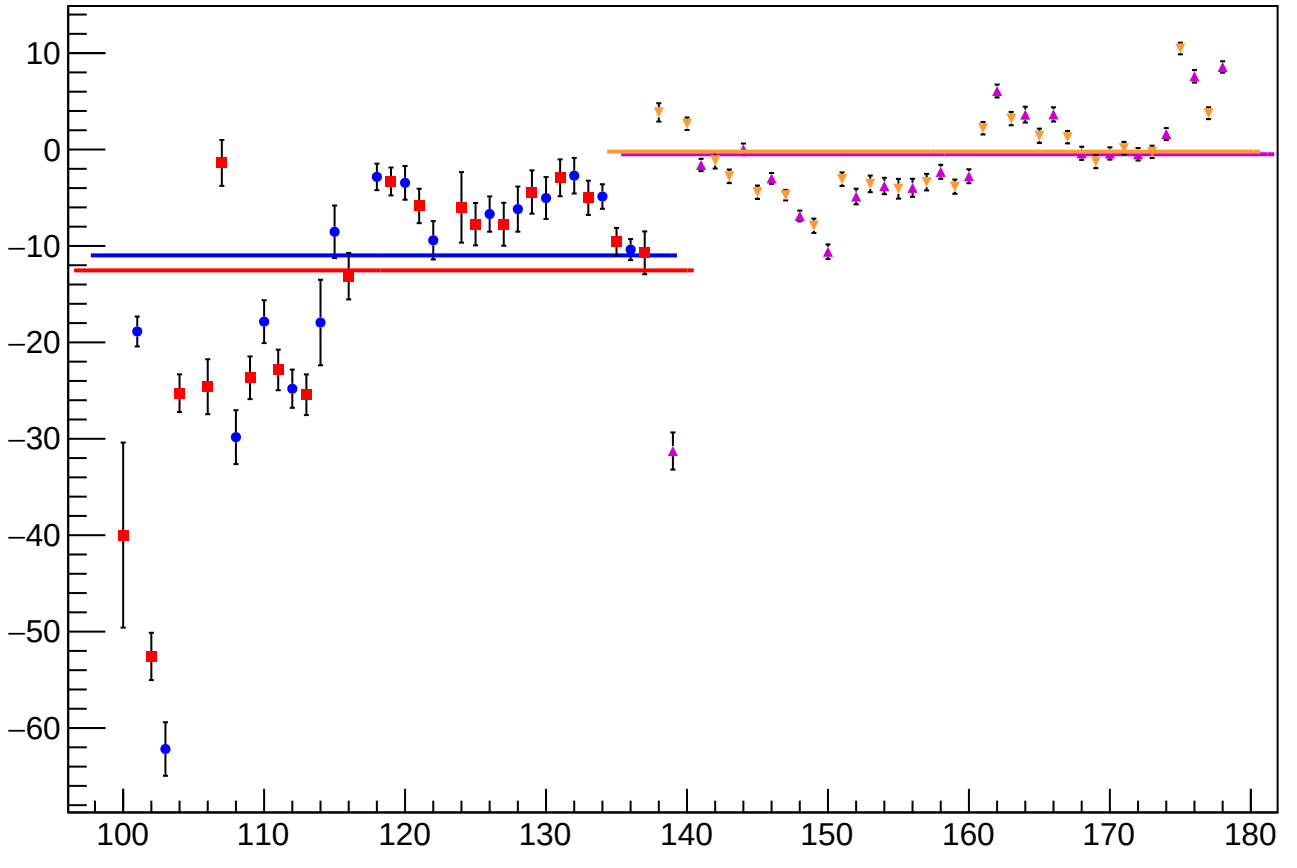
Left: -37.400+/-0.148 χ^2/NDF: 3666.3/40

Right: -22.485+/-0.307 χ^2/NDF: 560.3/34

In: -34.939+/-0.188 χ^2/NDF:3011.7/35

Out: -34.275+/-0.189 χ^2/NDF:3121.2/39

All: -34.609+/-0.133 χ^2/NDF: 6139.1/75



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: -0.491+/-0.155 χ^2/NDF:1211.9/19

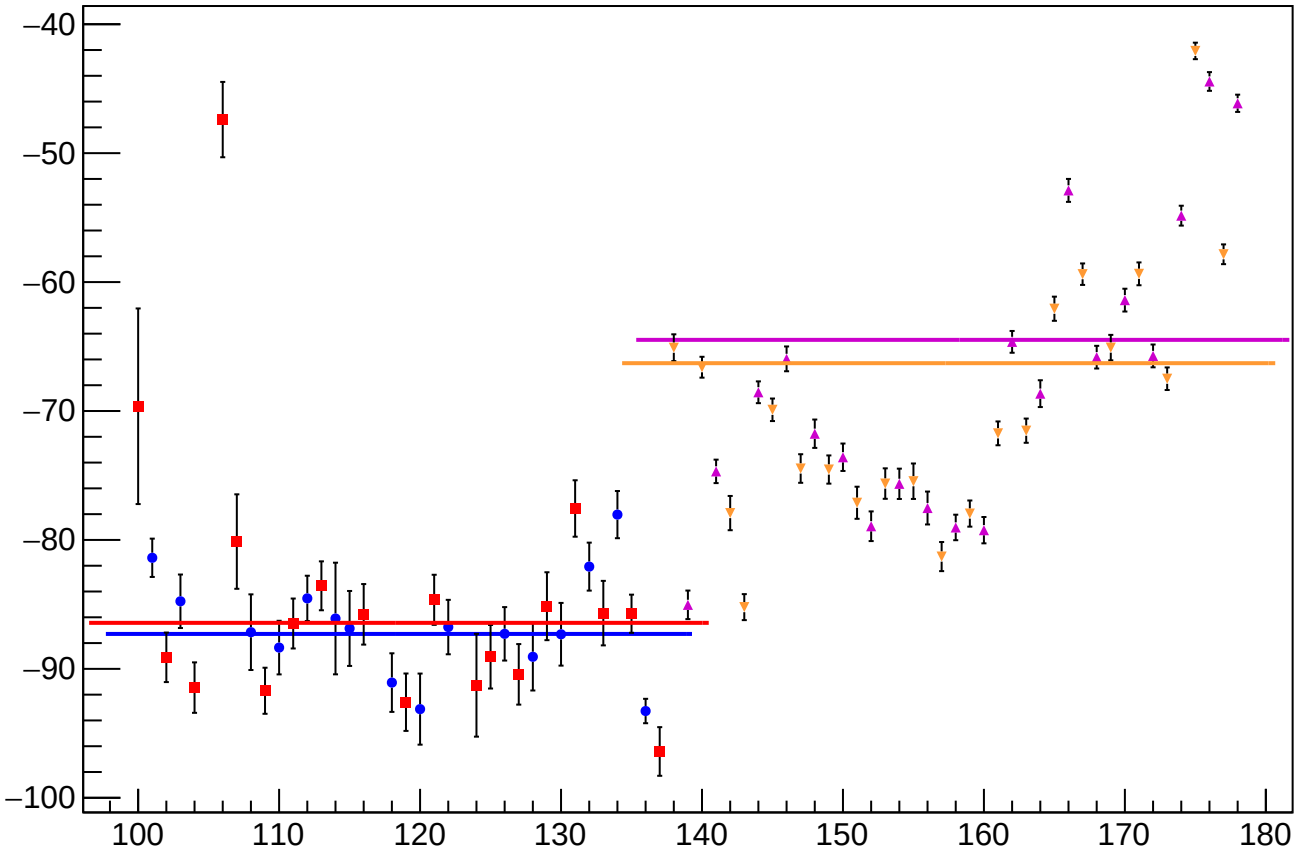
Left: -0.352+/-0.109 χ^2/NDF: 1967.2/40

Right: -11.710+/-0.330 χ^2/NDF: 1165.1/34

In: -1.589+/-0.147 χ^2/NDF:2278.3/35

Out: -1.351+/-0.146 χ^2/NDF:1921.0/39

All: -1.470+/-0.104 χ^2/NDF: 4200.7/75



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: -64.481+/-0.206 χ^2/NDF:3263.9/19

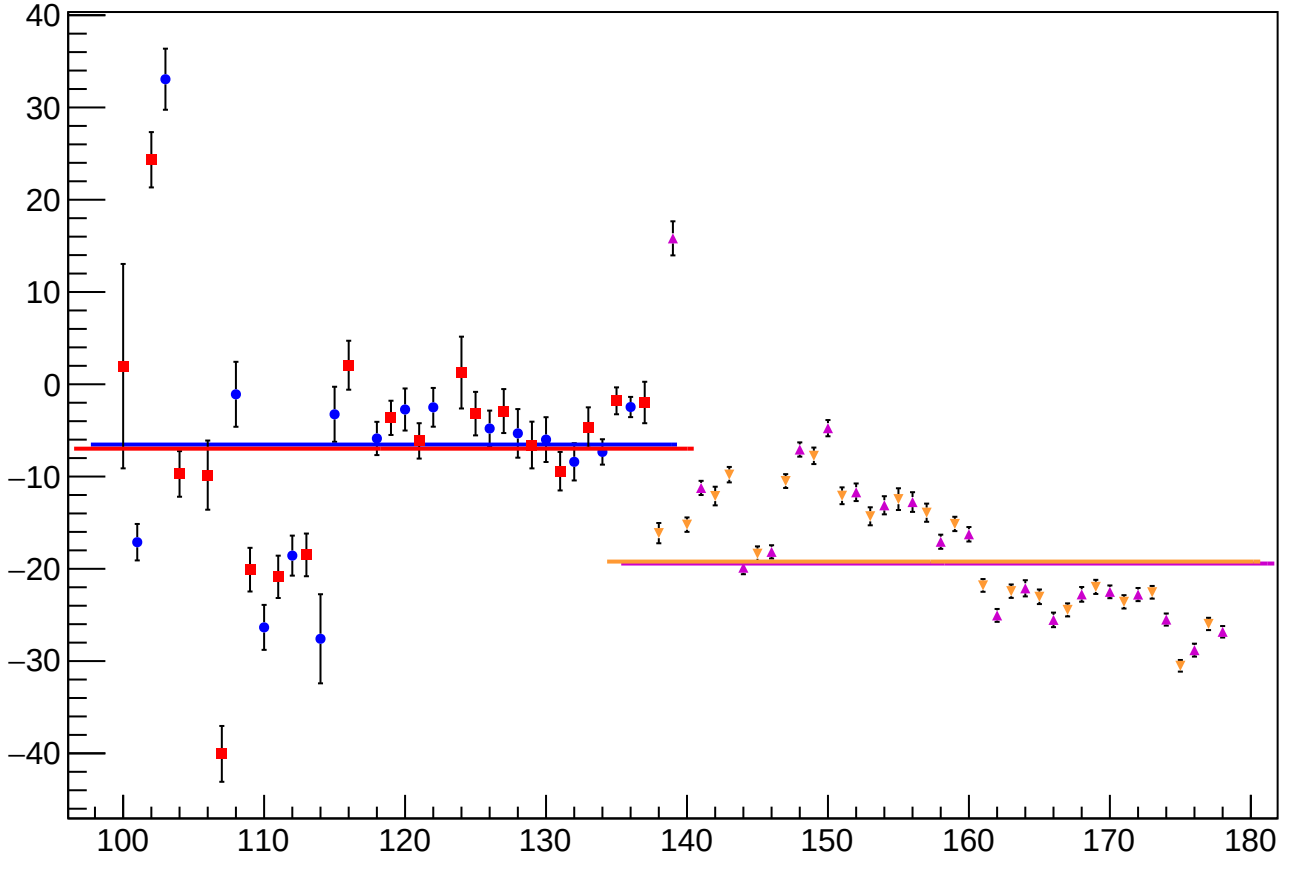
Left: -65.380+/-0.146 χ^2/NDF: 6125.1/40

Right: -86.883+/-0.348 χ^2/NDF: 367.6/34

In: -68.025+/-0.189 χ^2/NDF:5267.7/35

Out: -69.188+/-0.192 χ^2/NDF:4444.5/39

All: -68.599+/-0.135 χ^2/NDF: 9730.8/75



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: -19.428+/-0.175 χ^2/NDF:1785.3/19

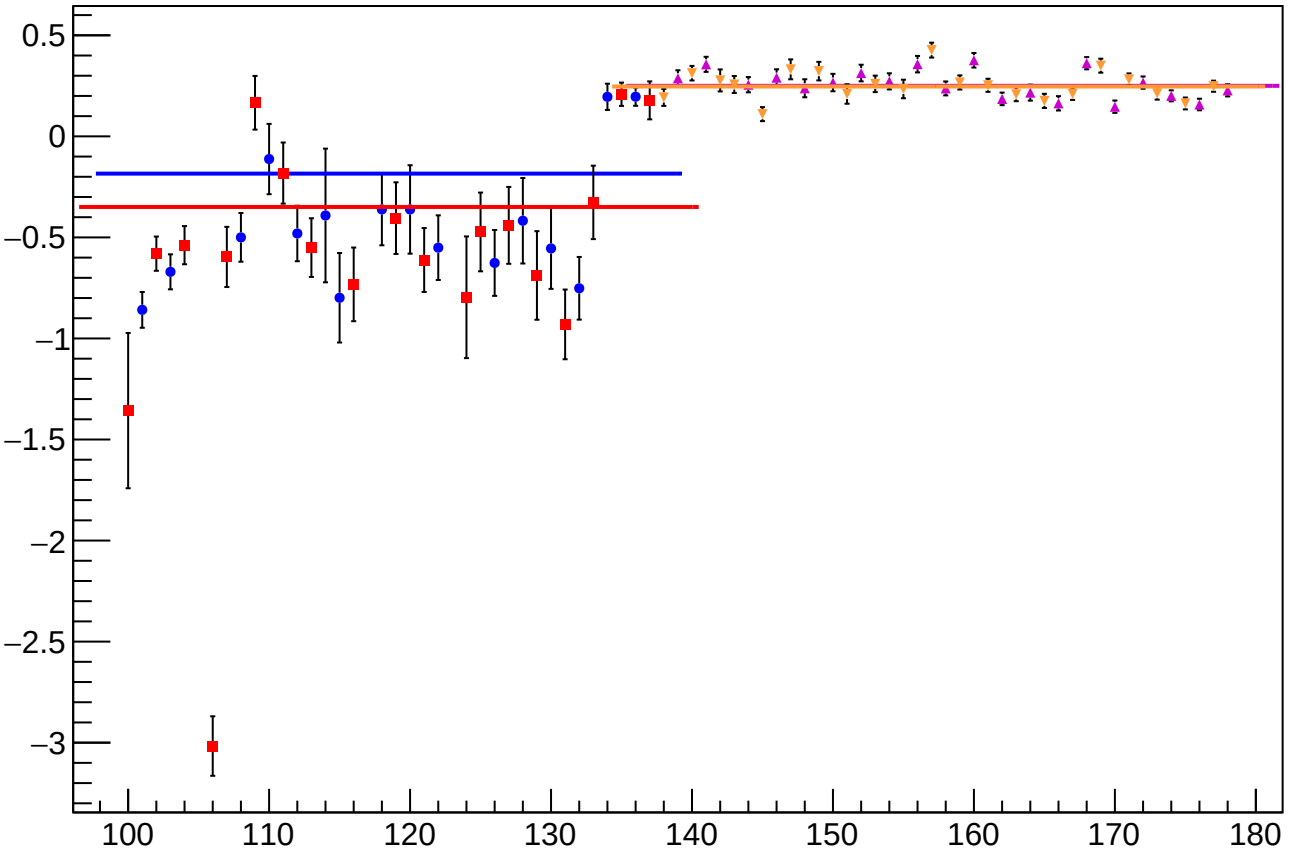
Left: -19.321+/-0.123 χ^2/NDF: 3079.7/40

Right: -6.743+/-0.370 χ^2/NDF: 682.6/34

In: -18.062+/-0.165 χ^2/NDF:2675.4/35

Out: -18.076+/-0.165 χ^2/NDF:2124.7/39

All: -18.069+/-0.117 χ^2/NDF: 4800.1/75



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: 0.250+/-0.008 χ^2/NDF:82.8/19

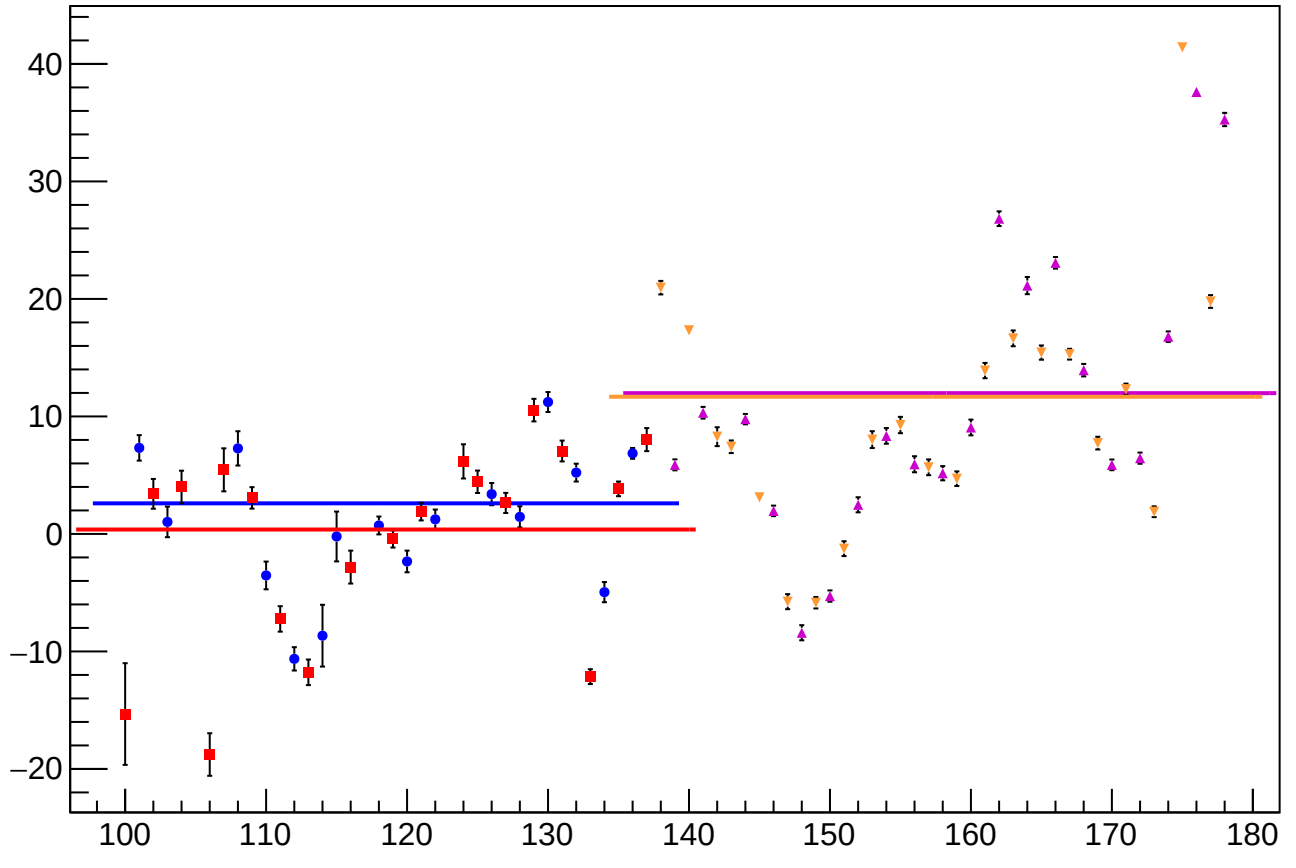
Left: 0.248+/-0.006 χ^2/NDF: 160.9/40

Right: -0.259+/-0.020 χ^2/NDF: 781.1/34

In: 0.216+/-0.007 χ^2/NDF:572.9/35

Out: 0.207+/-0.008 χ^2/NDF:980.0/39

All: 0.211+/-0.005 χ^2/NDF: 1553.7/75



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: 11.981+/-0.118 χ^2/NDF:10381.1/19

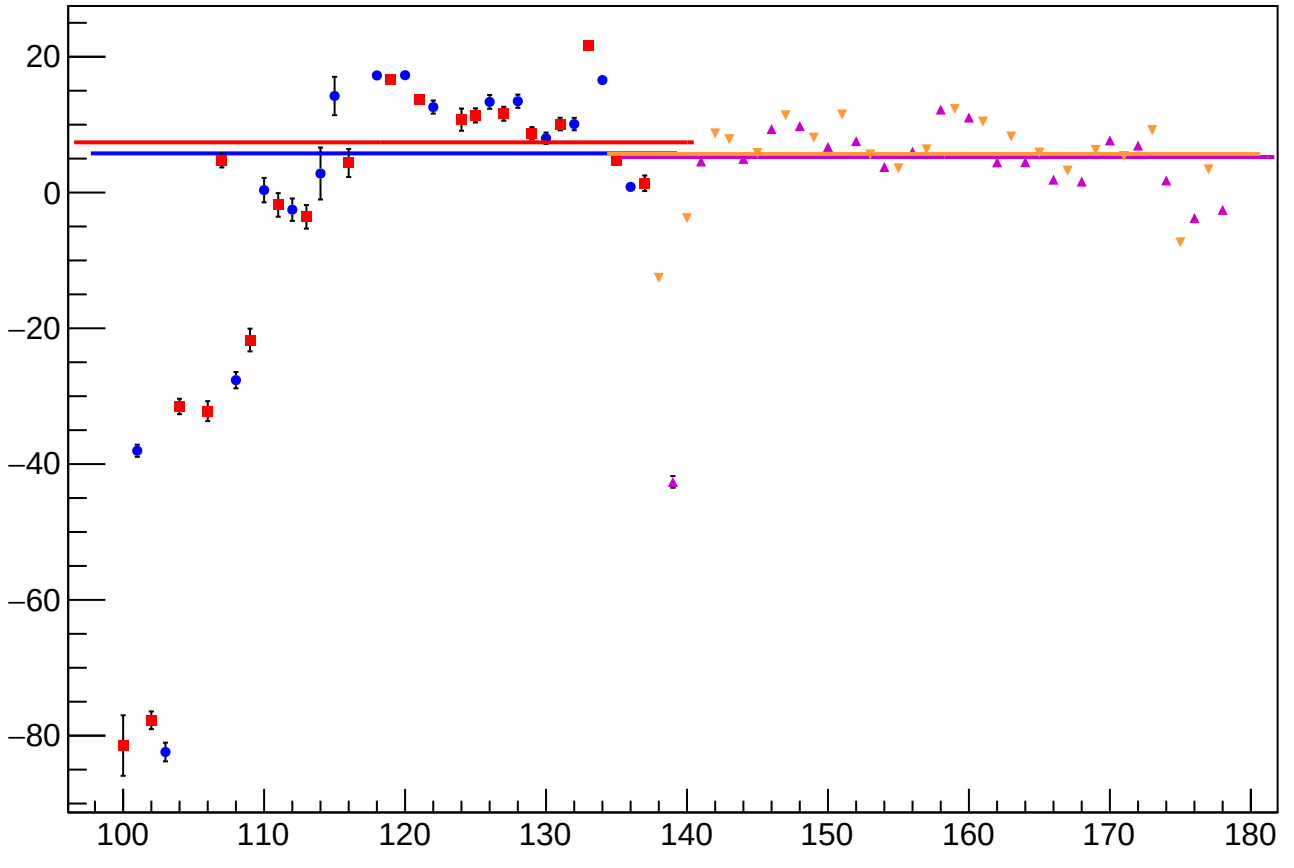
Left: 11.828+/-0.083 χ^2/NDF: 20604.1/40

Right: 1.481+/-0.158 χ^2/NDF: 1653.8/34

In: 9.953+/-0.104 χ^2/NDF:12326.4/35

Out: 9.212+/-0.104 χ^2/NDF:13271.5/39

All: 9.581+/-0.074 χ^2/NDF: 25623.2/75



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: 5.233+/-0.088 χ^2/NDF:5152.4/19

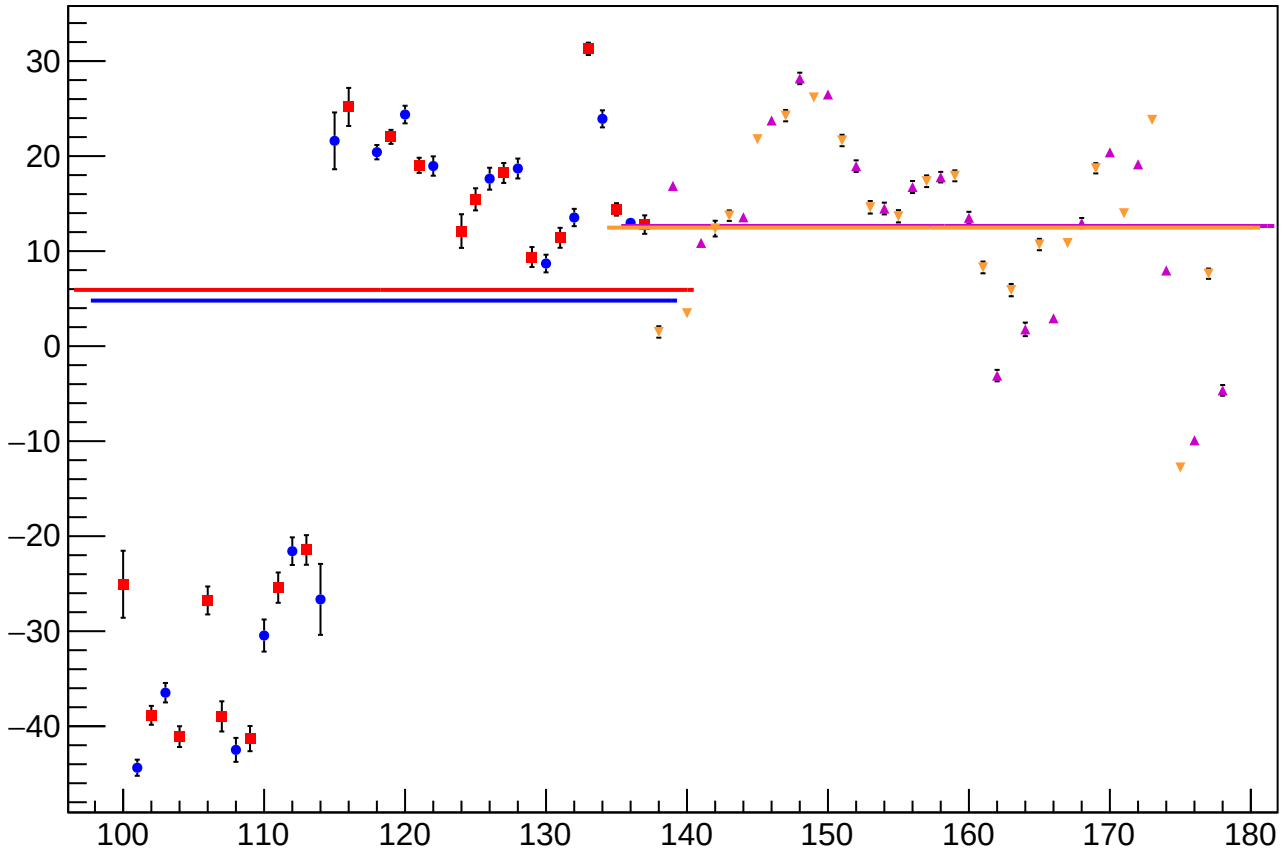
Left: 5.468+/-0.061 χ^2/NDF: 9474.8/40

Right: 6.585+/-0.148 χ^2/NDF: 17354.6/34

In: 5.312+/-0.081 χ^2/NDF:14091.8/35

Out: 5.938+/-0.079 χ^2/NDF:12755.8/39

All: 5.631+/-0.057 χ^2/NDF: 26878.0/75



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: 12.641+/-0.116 χ^2/NDF:8233.0/19

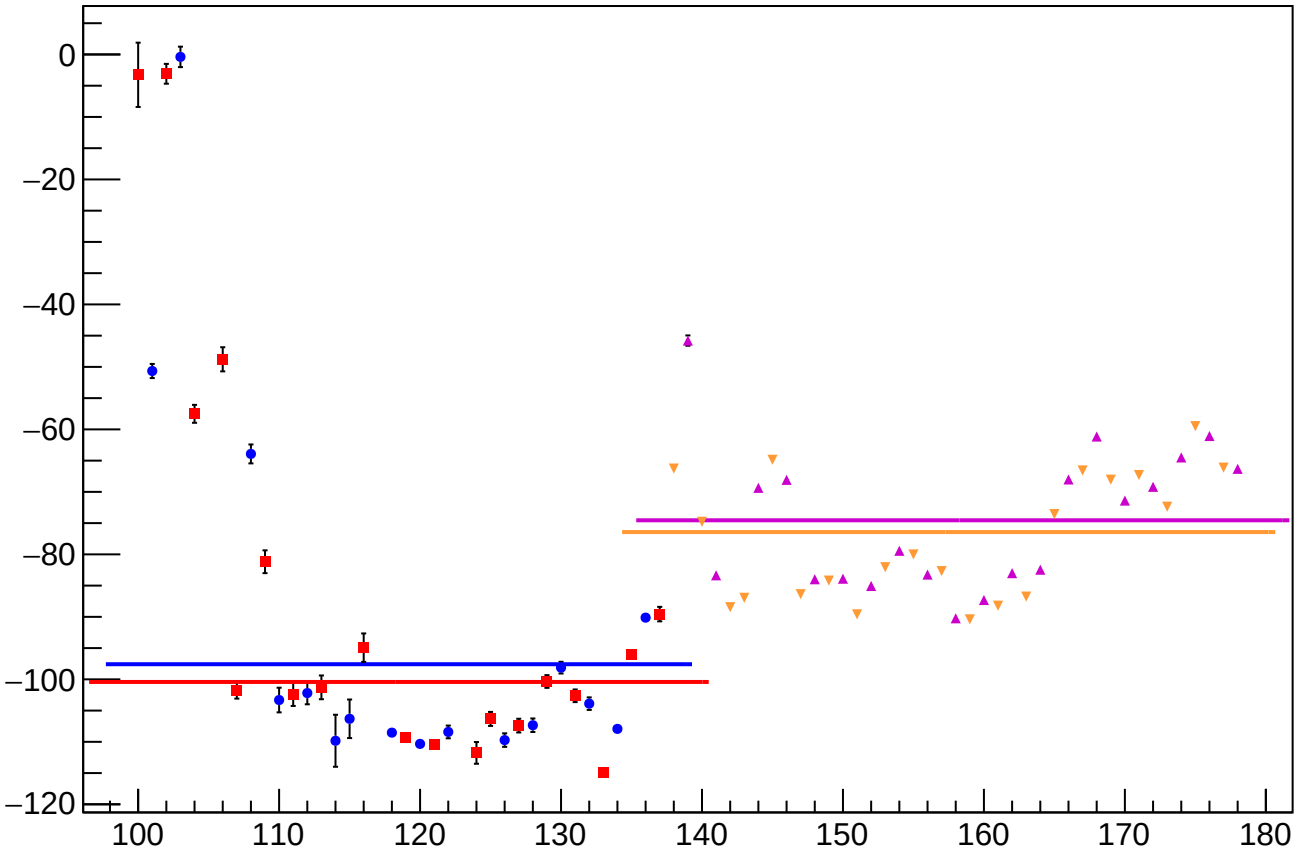
Left: 12.556+/-0.082 χ^2/NDF: 16275.7/40

Right: 5.352+/-0.169 χ^2/NDF: 19567.4/34

In: 11.120+/-0.105 χ^2/NDF:18610.7/35

Out: 11.227+/-0.105 χ^2/NDF:18704.9/39

All: 11.174+/-0.074 χ^2/NDF: 37316.1/75



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: -74.548+/-0.099 χ^2/NDF:9677.9/19

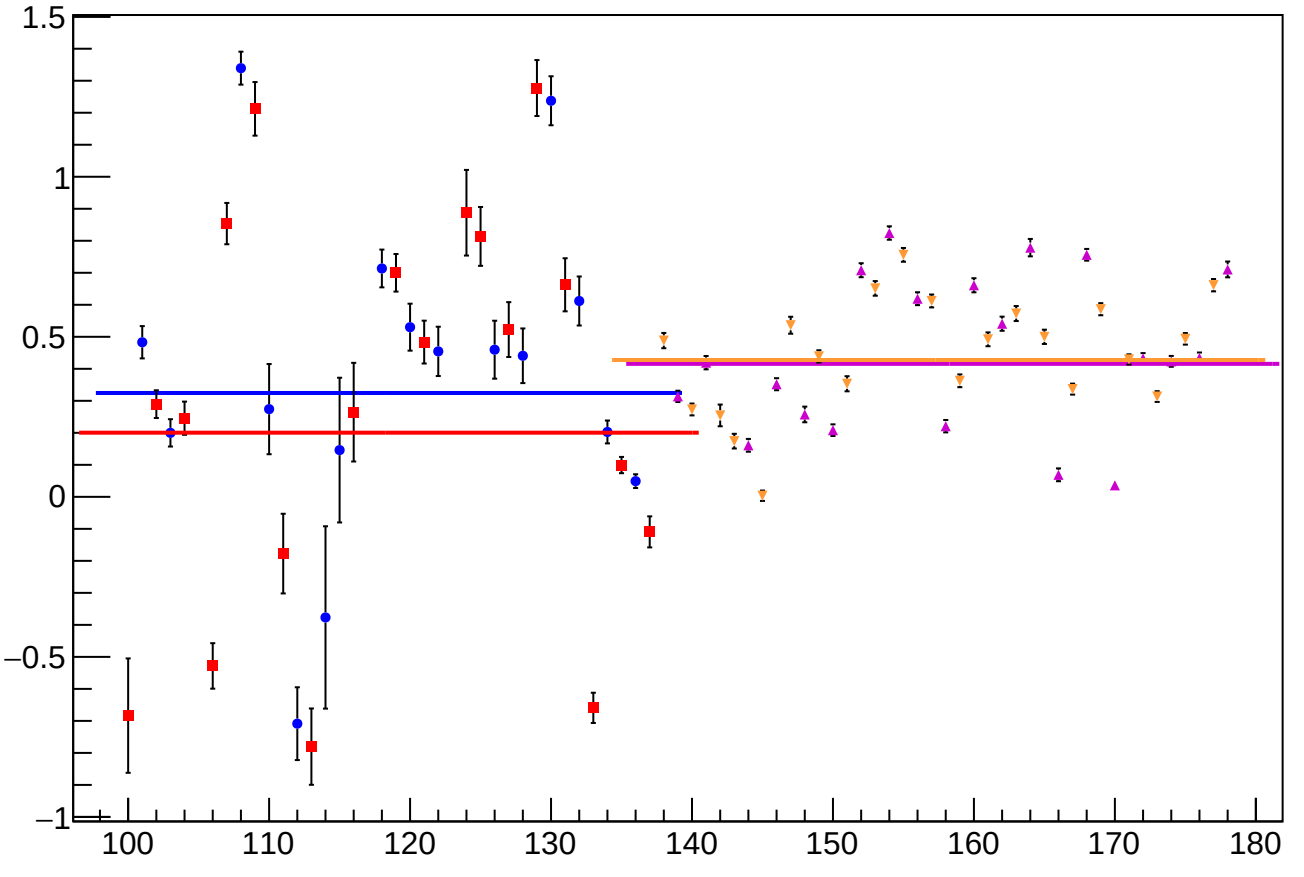
Left: -75.504+/-0.070 χ^2/NDF: 20214.1/40

Right: -99.004+/-0.171 χ^2/NDF: 14329.0/34

In: -77.875+/-0.092 χ^2/NDF:24592.3/35

Out: -79.821+/-0.091 χ^2/NDF:25977.7/39

All: -78.861+/-0.065 χ^2/NDF: 50797.4/75



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: 0.415+/-0.004 χ^2/NDF:2848.4/19

Left: 0.421+/-0.003 χ^2/NDF: 4575.1/40

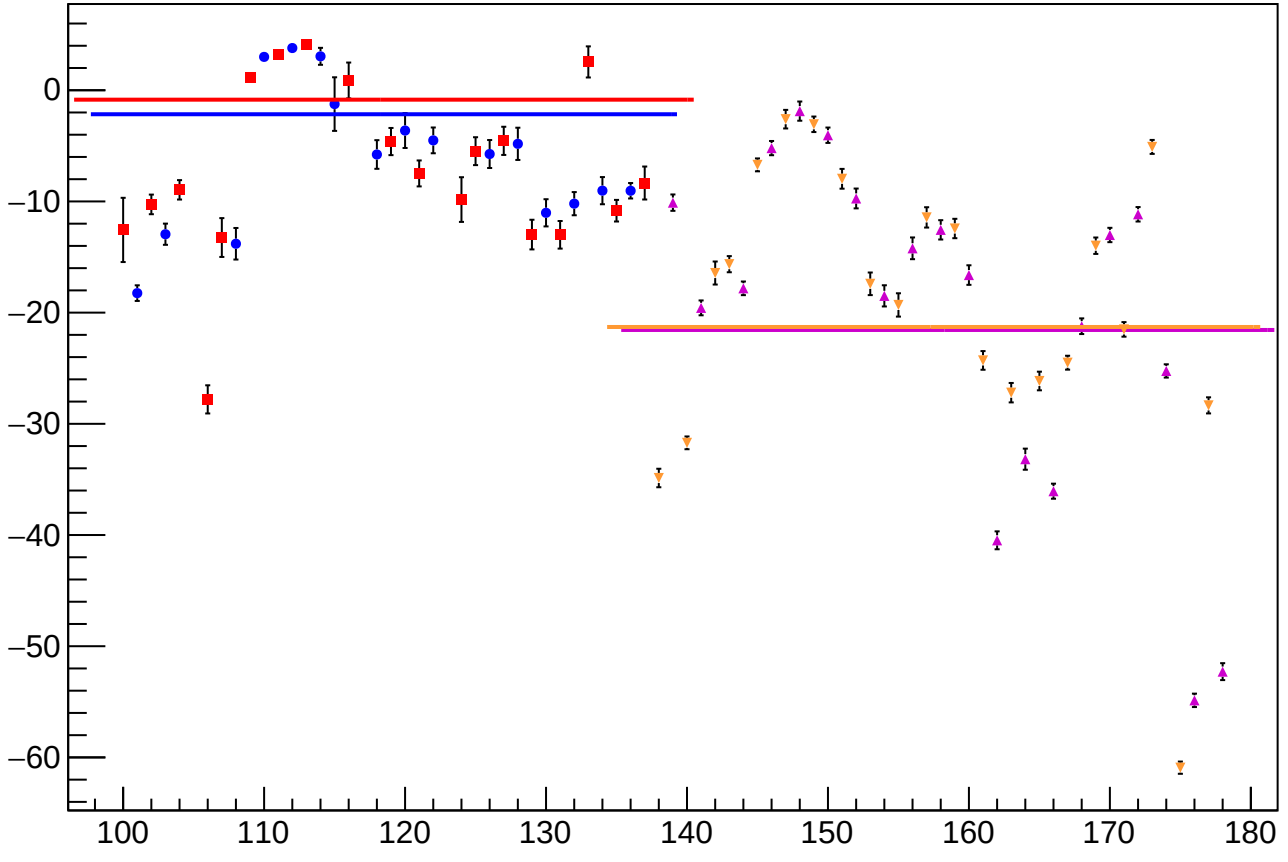
Right: 0.265+/-0.010 χ^2/NDF: 2134.6/34

In: 0.407+/-0.004 χ^2/NDF:3777.2/35

Out: 0.407+/-0.004 χ^2/NDF:3173.5/39

All: 0.407+/-0.003 χ^2/NDF: 6950.7/75

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -21.291+/-0.162 χ^2/NDF:9117.0/20

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

Left In: -21.560+/-0.163 χ^2/NDF:8790.9/19

Left: -21.425+/-0.115 χ^2/NDF: 17909.2/40

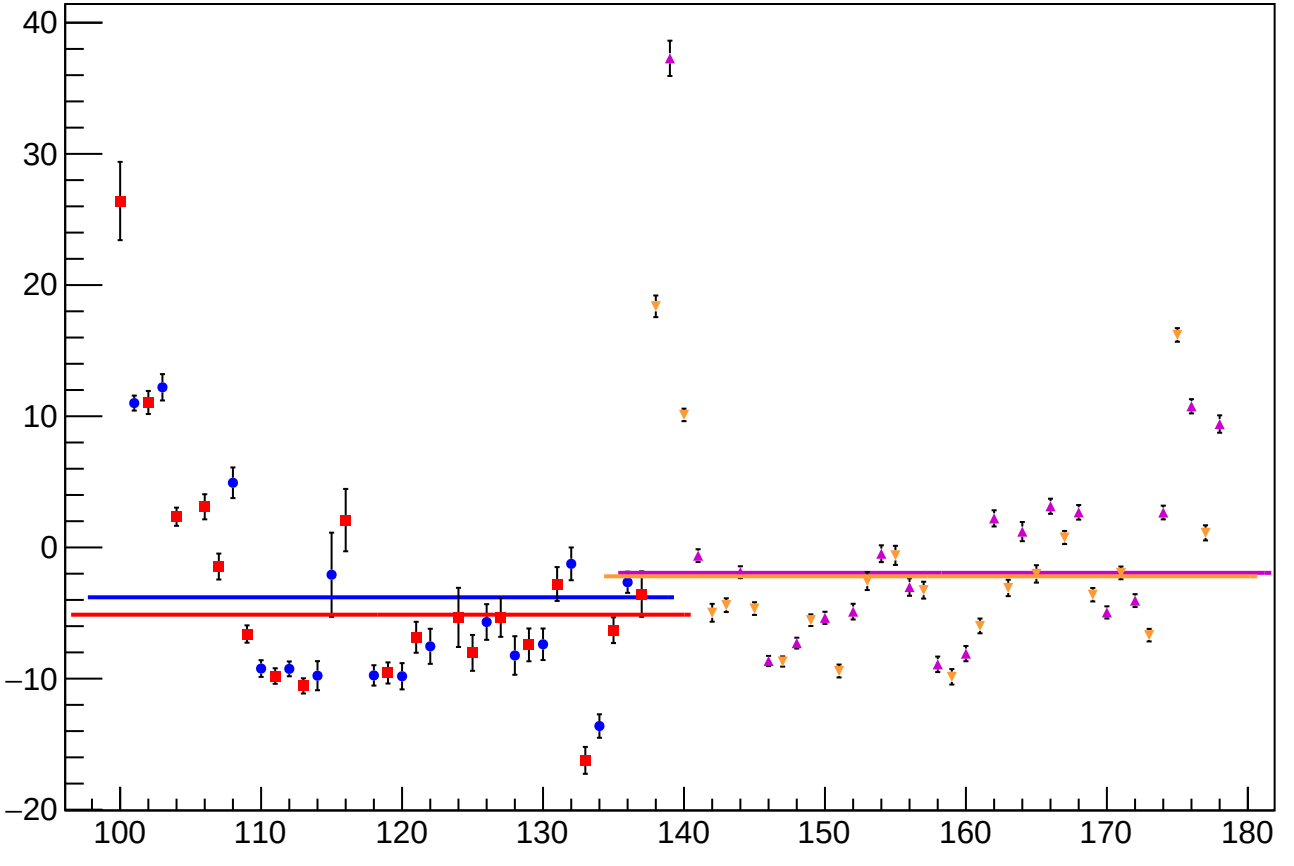
Right: -1.426+/-0.127 χ^2/NDF: 2982.5/34

In: -13.418+/-0.124 χ^2/NDF:16208.2/35

Out: -11.577+/-0.117 χ^2/NDF:18136.4/39

All: -12.445+/-0.085 χ^2/NDF: 34460.4/75

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: -1.936+/-0.121 χ^2/NDF:2847.6/19

Left: -2.071+/-0.084 χ^2/NDF: 6387.0/40

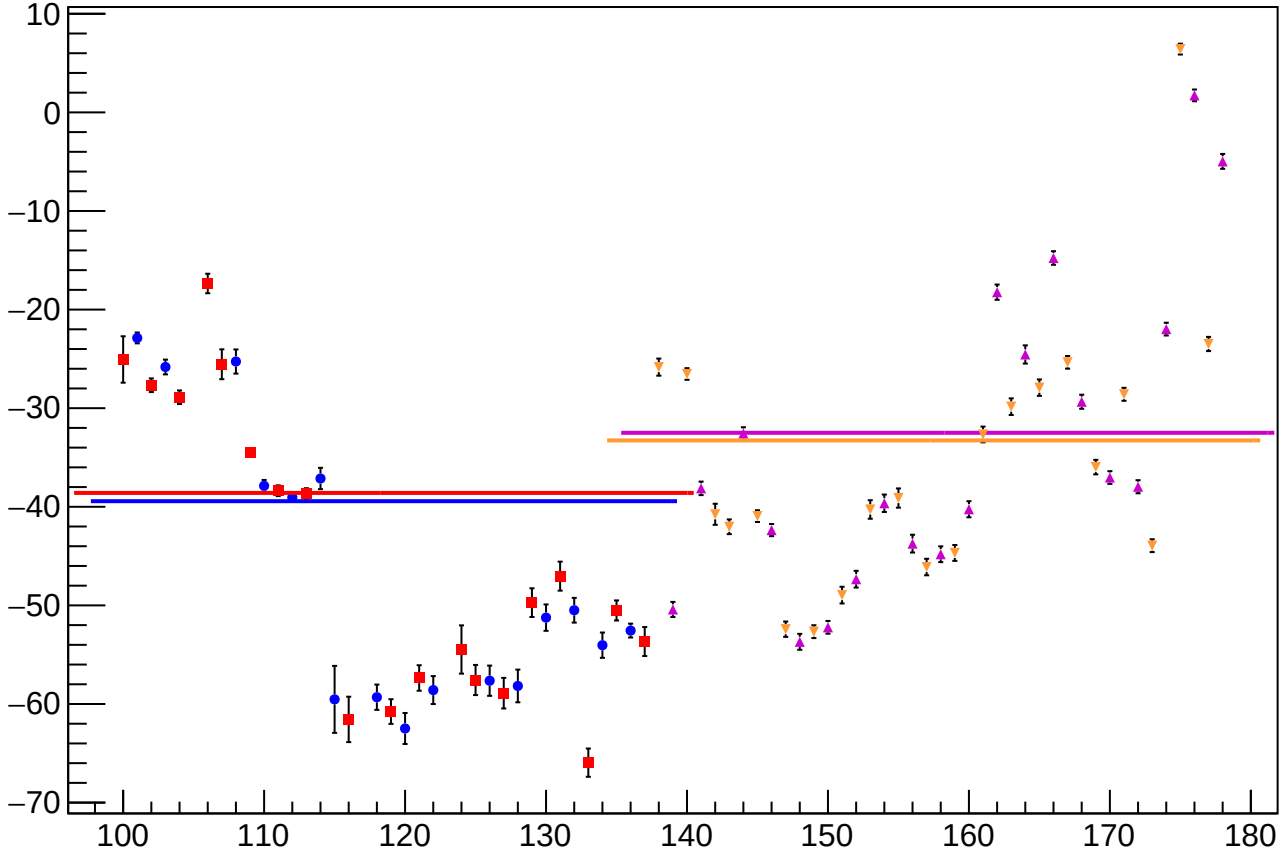
Right: -4.484+/-0.157 χ^2/NDF: 2423.8/34

In: -2.350+/-0.106 χ^2/NDF:4326.3/35

Out: -2.858+/-0.104 χ^2/NDF:4656.1/39

All: -2.610+/-0.074 χ^2/NDF: 8994.1/75

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -33.269+/-0.161 χ^2/NDF:8853.8/20

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

Left In: -32.494+/-0.161 χ^2/NDF:9447.3/19

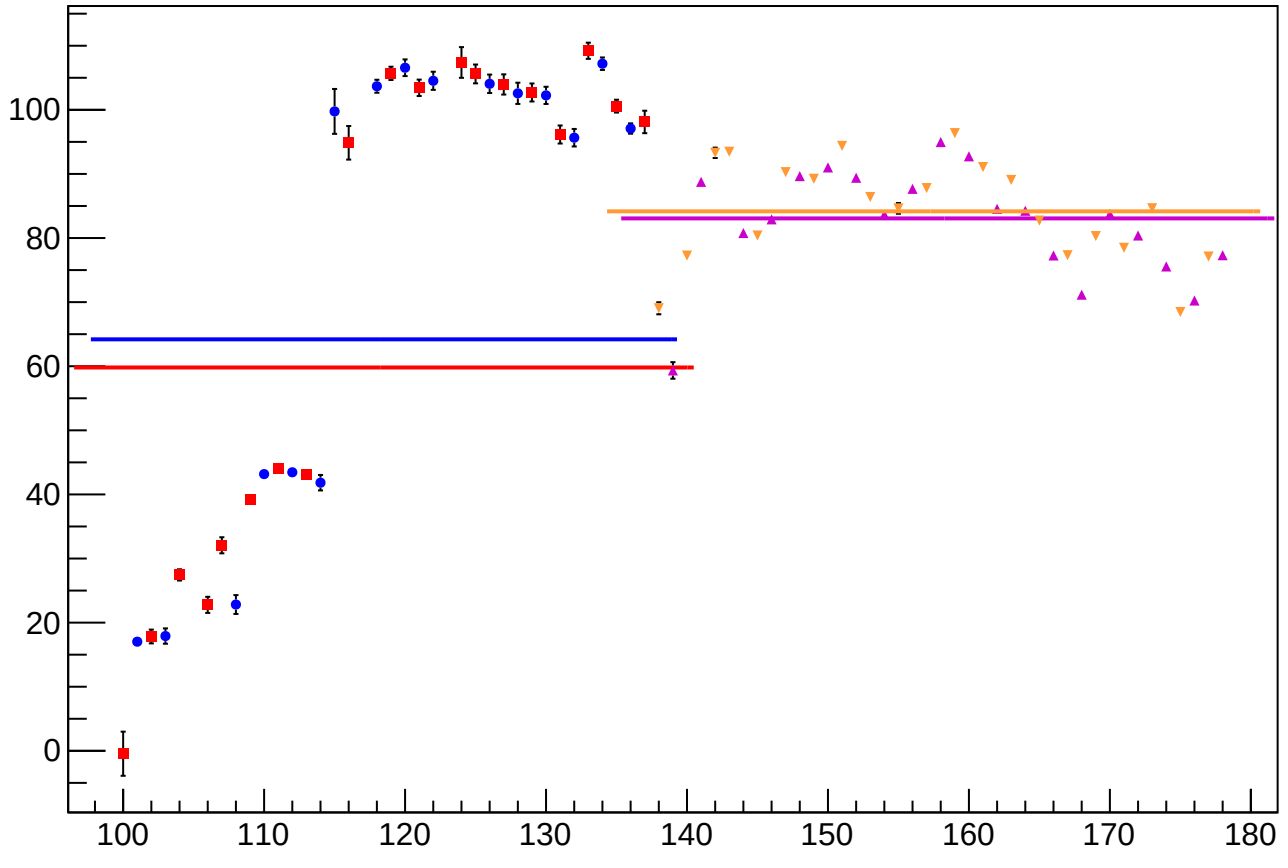
Left: -32.884+/-0.114 χ^2/NDF: 18312.7/40

Right: -38.987+/-0.155 χ^2/NDF: 5737.6/34

In: -34.845+/-0.131 χ^2/NDF:13031.3/35

Out: -35.202+/-0.128 χ^2/NDF:12025.4/39

All: -35.028+/-0.092 χ^2/NDF: 25060.6/75



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: 83.062+/-0.137 χ^2/NDF:2725.0/19

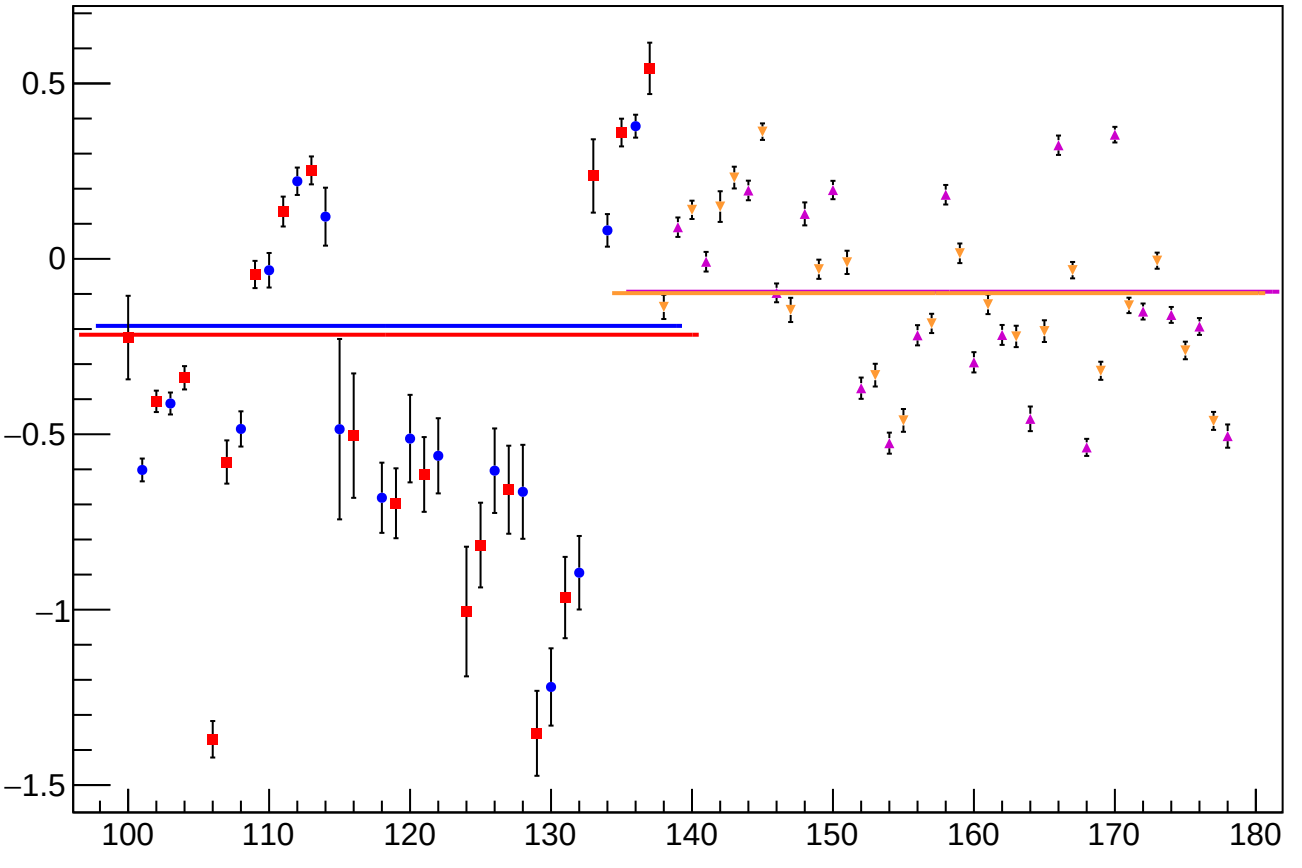
Left: 83.623+/-0.096 χ^2/NDF: 5933.3/40

Right: 61.924+/-0.179 χ^2/NDF: 36178.0/34

In: 78.910+/-0.121 χ^2/NDF:25507.9/35

Out: 78.661+/-0.118 χ^2/NDF:28030.2/39

All: 78.783+/-0.084 χ^2/NDF: 53540.2/75



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: -0.094+/-0.006 χ^2/NDF:2059.6/19

Left: -0.096+/-0.004 χ^2/NDF: 3263.3/40

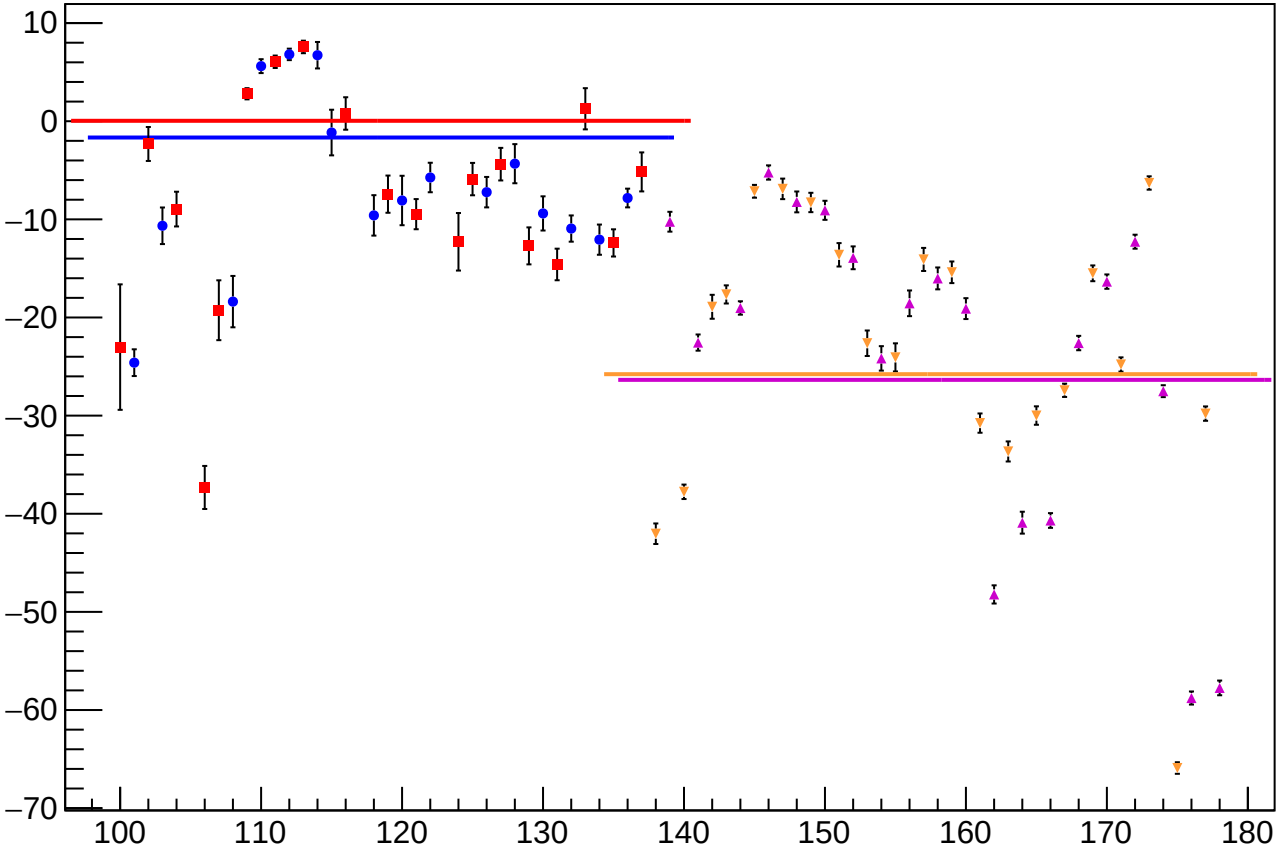
Right: -0.204+/-0.009 χ^2/NDF: 2288.3/34

In: -0.110+/-0.006 χ^2/NDF:3021.6/35

Out: -0.119+/-0.005 χ^2/NDF:2640.3/39

All: -0.115+/-0.004 χ^2/NDF: 5663.2/75

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: -26.357+/-0.188 χ^2/NDF:7947.3/19

Left: -26.069+/-0.133 χ^2/NDF: 16084.4/40

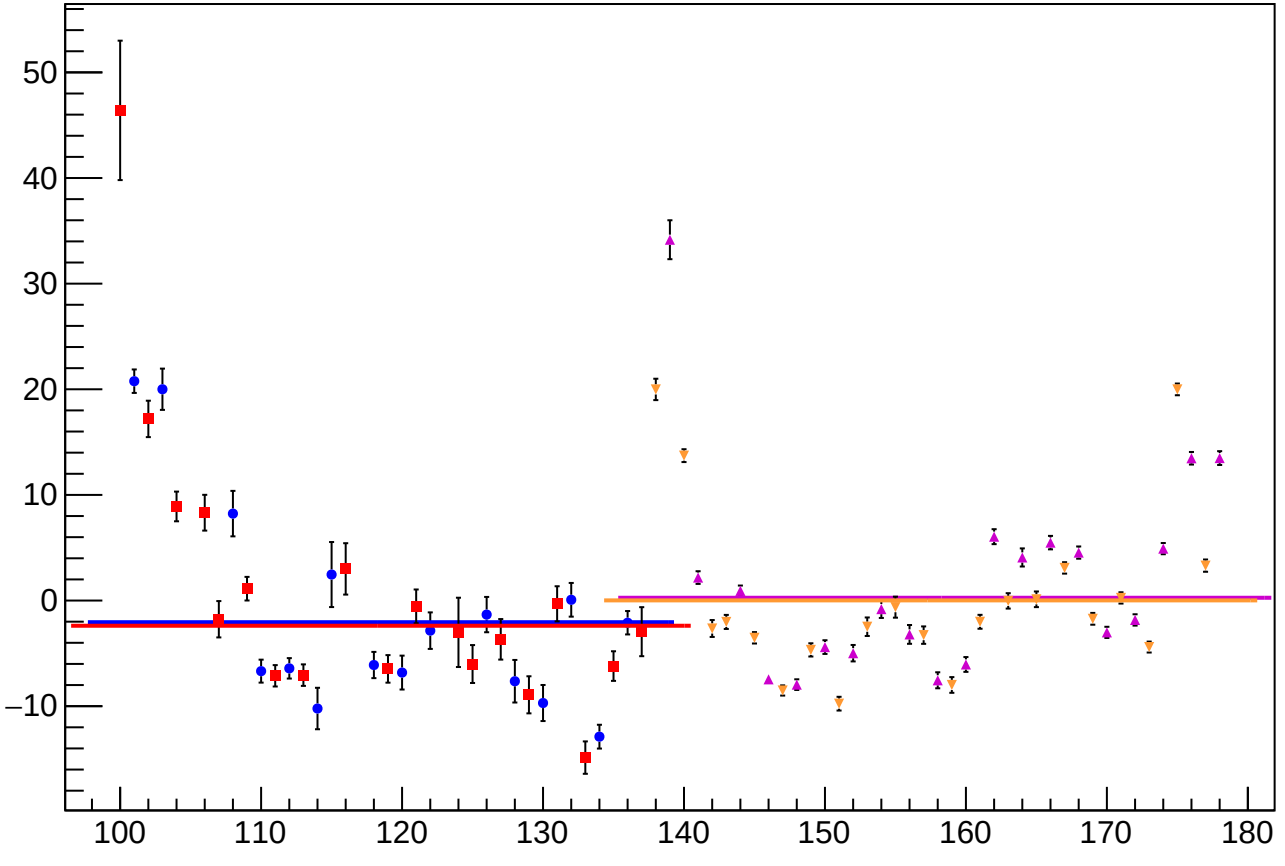
Right: -0.734+/-0.208 χ^2/NDF: 1848.1/34

In: -19.651+/-0.161 χ^2/NDF:13528.9/35

Out: -17.748+/-0.157 χ^2/NDF:14843.3/39

All: -18.680+/-0.112 χ^2/NDF: 28443.9/75

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: 0.015+/-0.139 χ^2/NDF:3145.2/20

Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

Left In: 0.264+/-0.140 χ^2/NDF:2478.5/19

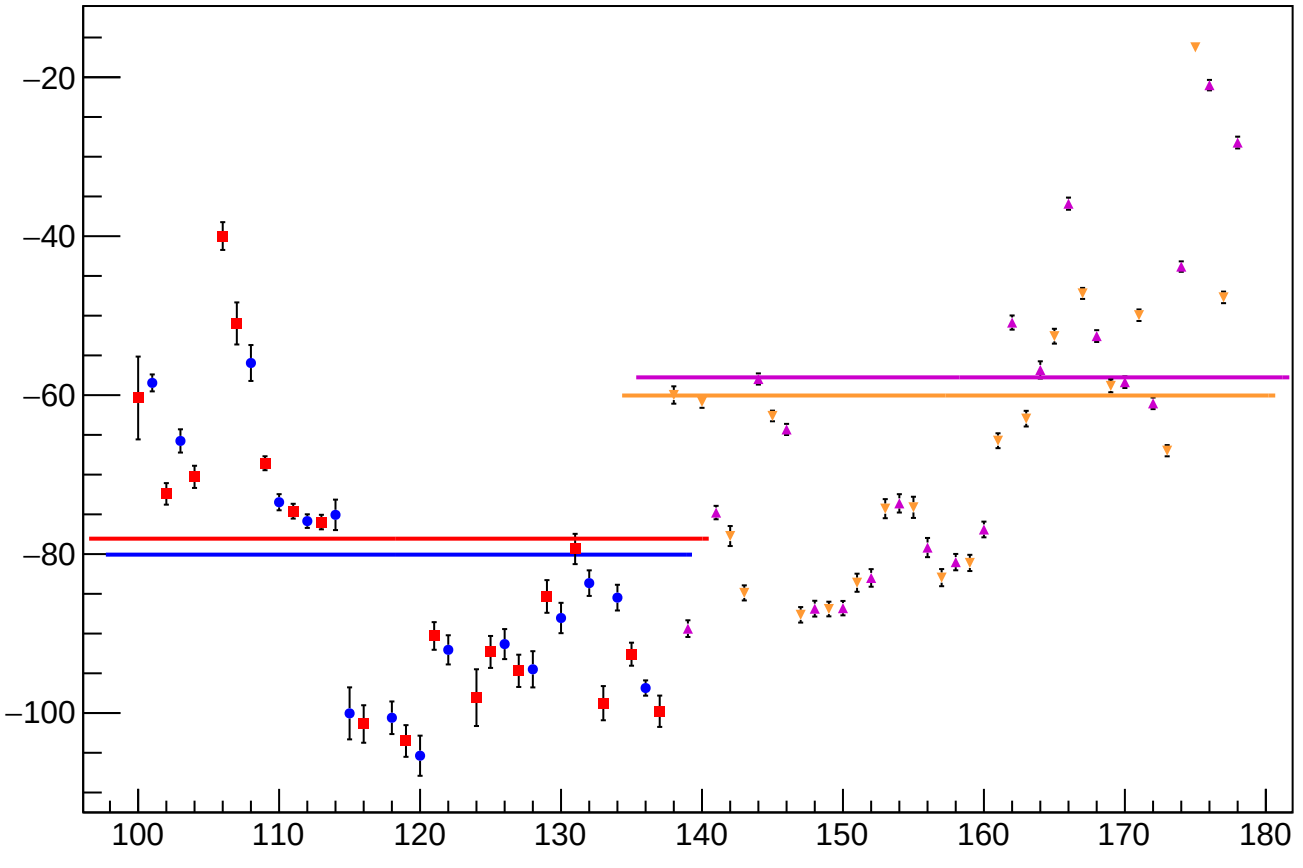
Left: 0.139+/-0.098 χ^2/NDF: 5625.2/40

Right: -2.218+/-0.252 χ^2/NDF: 1223.3/34

In: -0.044+/-0.130 χ^2/NDF:3287.0/35

Out: -0.303+/-0.129 χ^2/NDF:3635.7/39

All: -0.174+/-0.092 χ^2/NDF: 6924.7/75



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: -57.763+/-0.187 χ^2/NDF:11284.3/19

Left: -58.896+/-0.133 χ^2/NDF: 22017.2/40

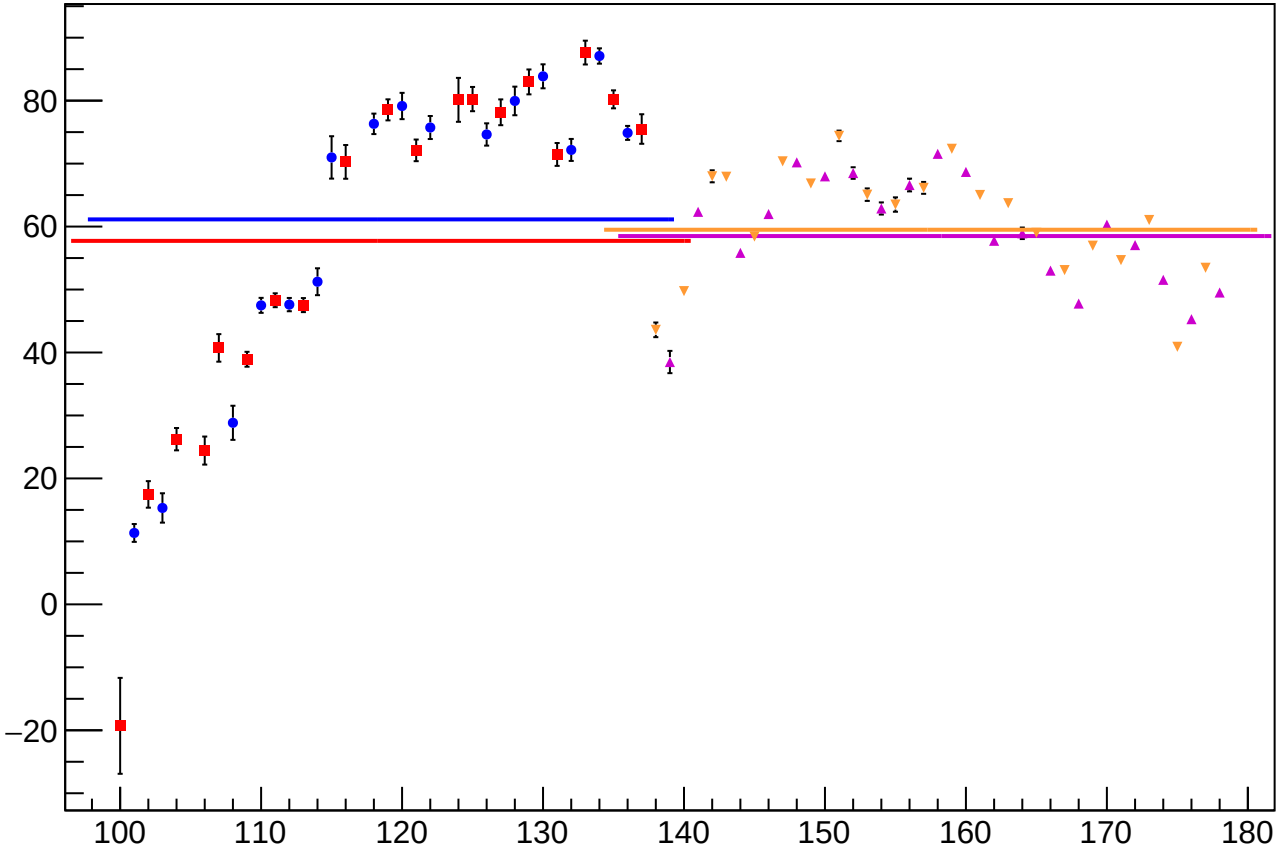
Right: -79.033+/-0.254 χ^2/NDF: 2964.1/34

In: -62.410+/-0.166 χ^2/NDF:15637.8/35

Out: -64.026+/-0.166 χ^2/NDF:14242.5/39

All: -63.219+/-0.118 χ^2/NDF: 29927.6/75

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 59.497+/-0.158 χ^2/NDF:3022.9/20

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

Left In: 58.493+/-0.158 χ^2/NDF:2399.5/19

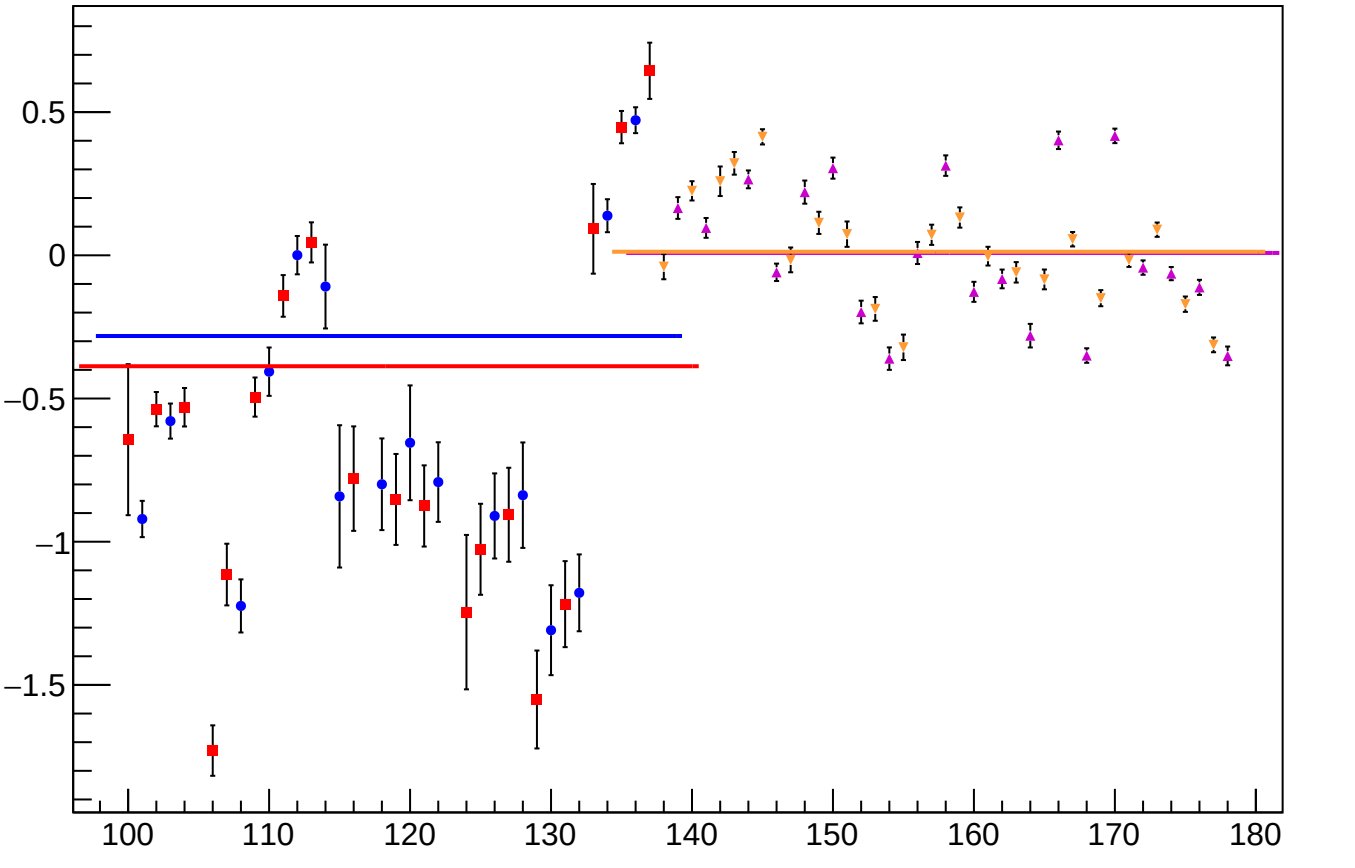
Left: 58.996+/-0.112 χ^2/NDF: 5442.7/40

Right: 59.431+/-0.283 χ^2/NDF: 6041.2/34

In: 58.849+/-0.147 χ^2/NDF:5666.6/35

Out: 59.259+/-0.147 χ^2/NDF:5815.5/39

All: 59.055+/-0.104 χ^2/NDF: 11486.0/75



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: 0.008+/-0.007 χ^2/NDF:1228.9/19

Left: 0.010+/-0.005 χ^2/NDF: 1949.0/40

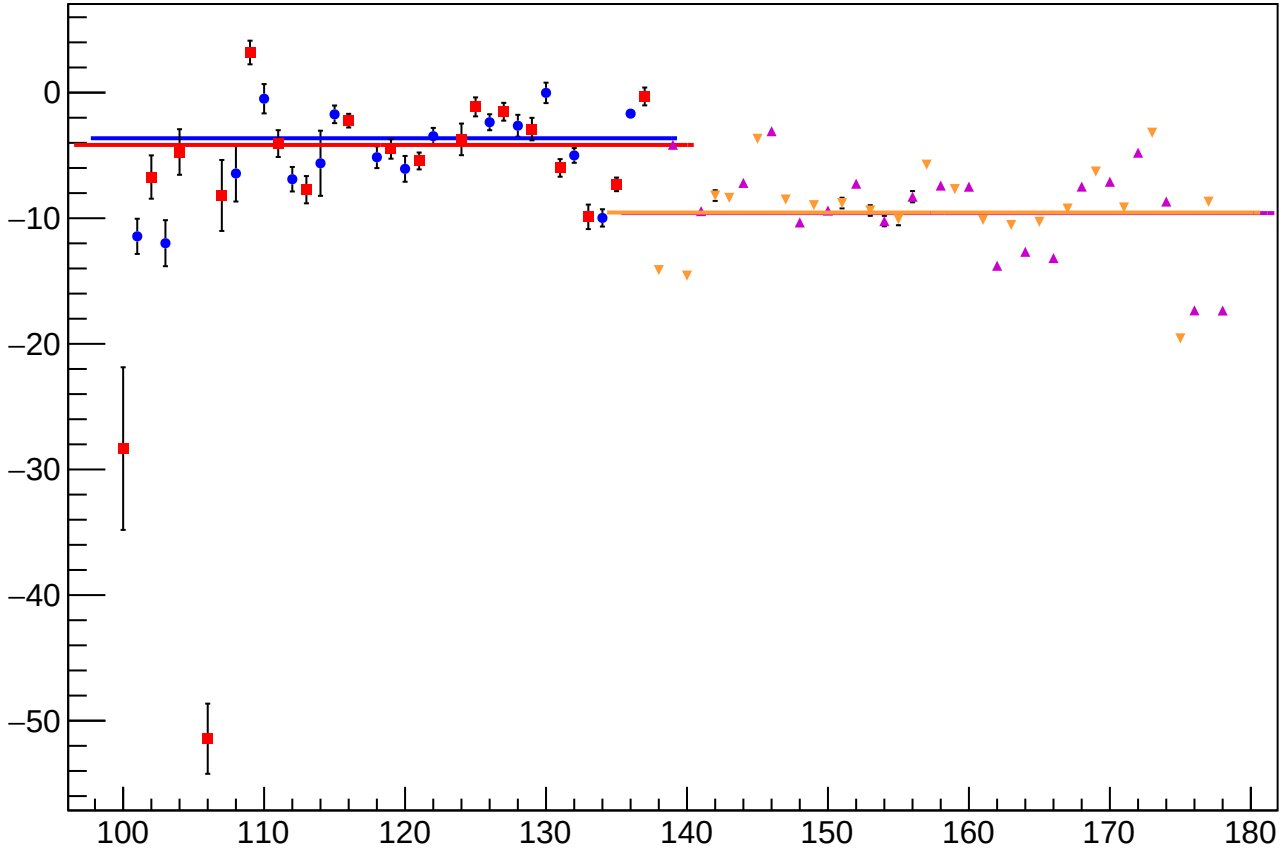
Right: -0.334+/-0.015 χ^2/NDF: 1558.7/34

In: -0.020+/-0.007 χ^2/NDF:2119.6/35

Out: -0.026+/-0.007 χ^2/NDF:1840.0/39

All: -0.023+/-0.005 χ^2/NDF: 3960.0/75

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: -9.591+/-0.060 χ^2/NDF:5057.6/19

Left: -9.569+/-0.043 χ^2/NDF: 10543.5/40

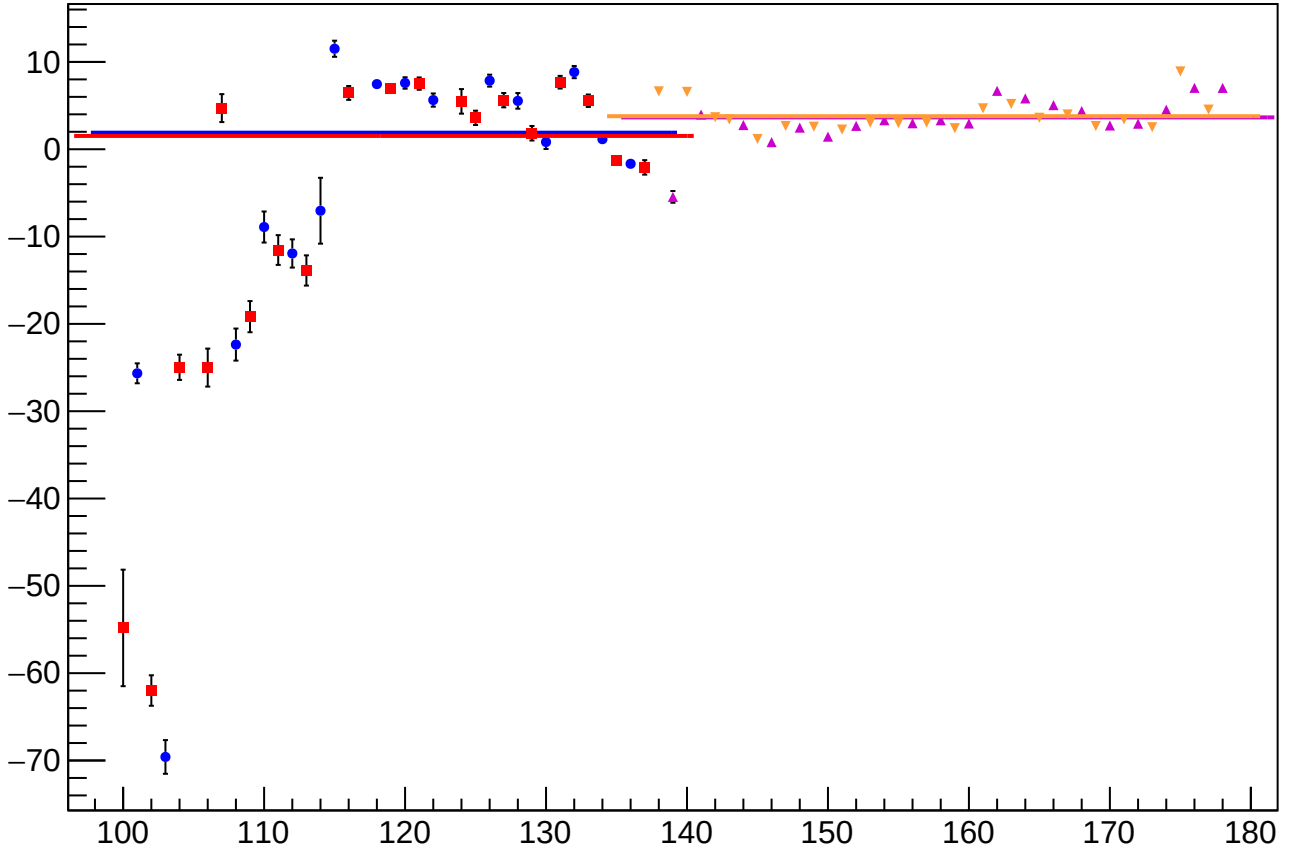
Right: -3.886+/-0.137 χ^2/NDF: 768.2/34

In: -9.041+/-0.057 χ^2/NDF:6193.7/35

Out: -9.083+/-0.059 χ^2/NDF:6680.2/39

All: -9.062+/-0.041 χ^2/NDF: 12874.2/75

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: 3.647+/-0.045 χ^2/NDF:1837.0/19

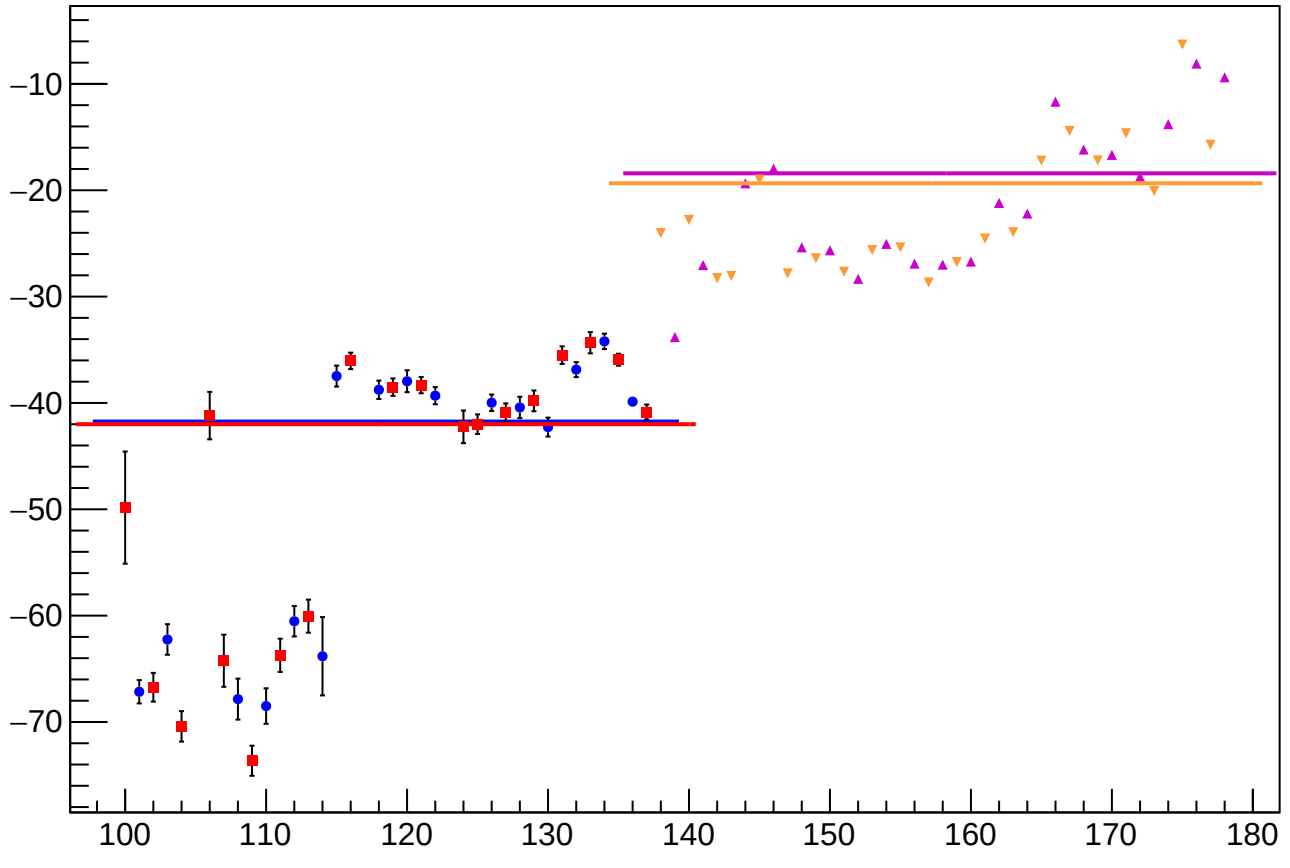
Left: 3.716+/-0.032 χ^2/NDF: 3516.2/40

Right: 1.730+/-0.140 χ^2/NDF: 5399.7/34

In: 3.554+/-0.044 χ^2/NDF:4756.3/35

Out: 3.683+/-0.044 χ^2/NDF:4346.7/39

All: 3.618+/-0.031 χ^2/NDF: 9107.3/75



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: -18.408+/-0.060 χ^2/NDF:11970.9/19

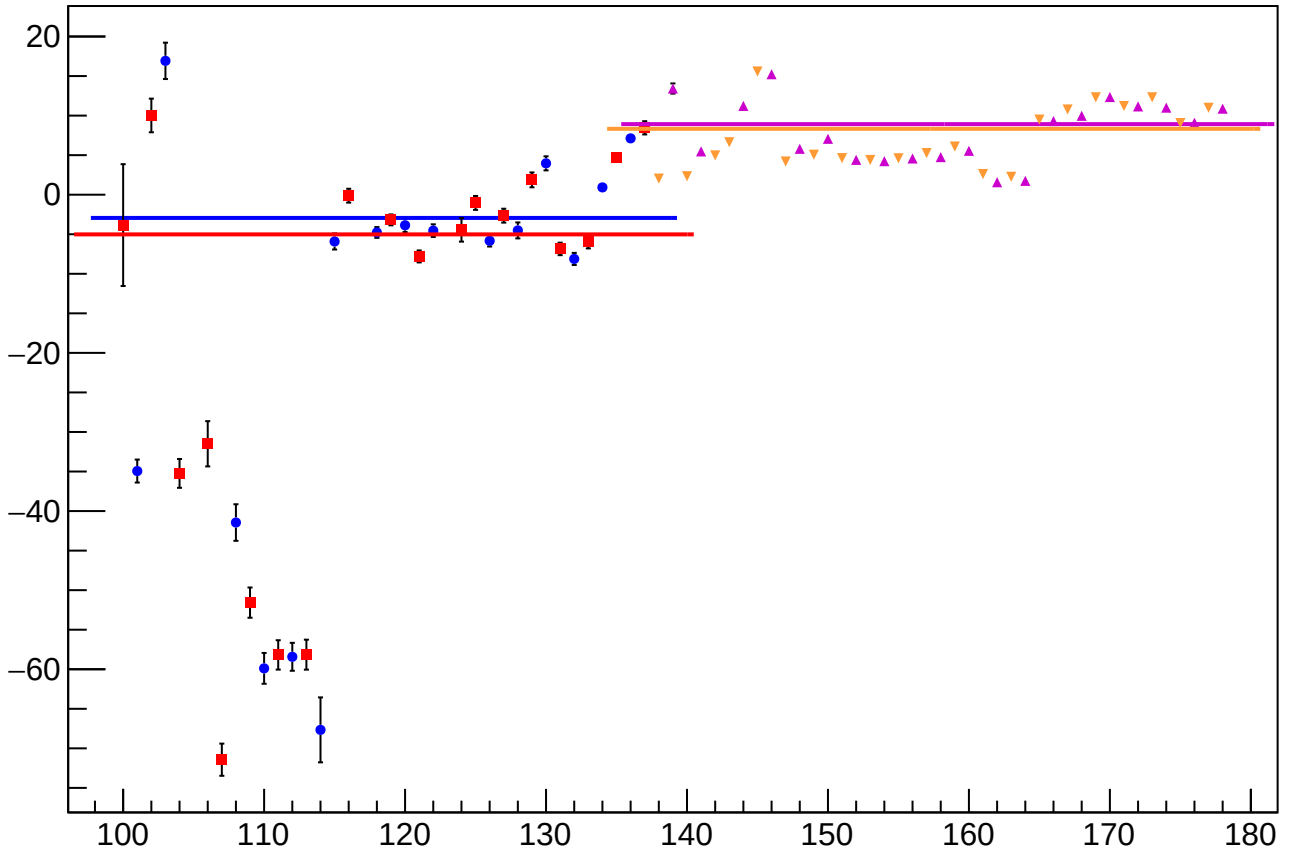
Left: -18.869+/-0.043 χ^2/NDF: 23492.2/40

Right: -41.863+/-0.154 χ^2/NDF: 3619.8/34

In: -20.206+/-0.058 χ^2/NDF:25270.8/35

Out: -20.850+/-0.059 χ^2/NDF:22582.3/39

All: -20.521+/-0.041 χ^2/NDF: 47914.3/75



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: 8.925+/-0.051 χ^2/NDF:5402.5/19

Left: 8.629+/-0.036 χ^2/NDF: 11601.0/40

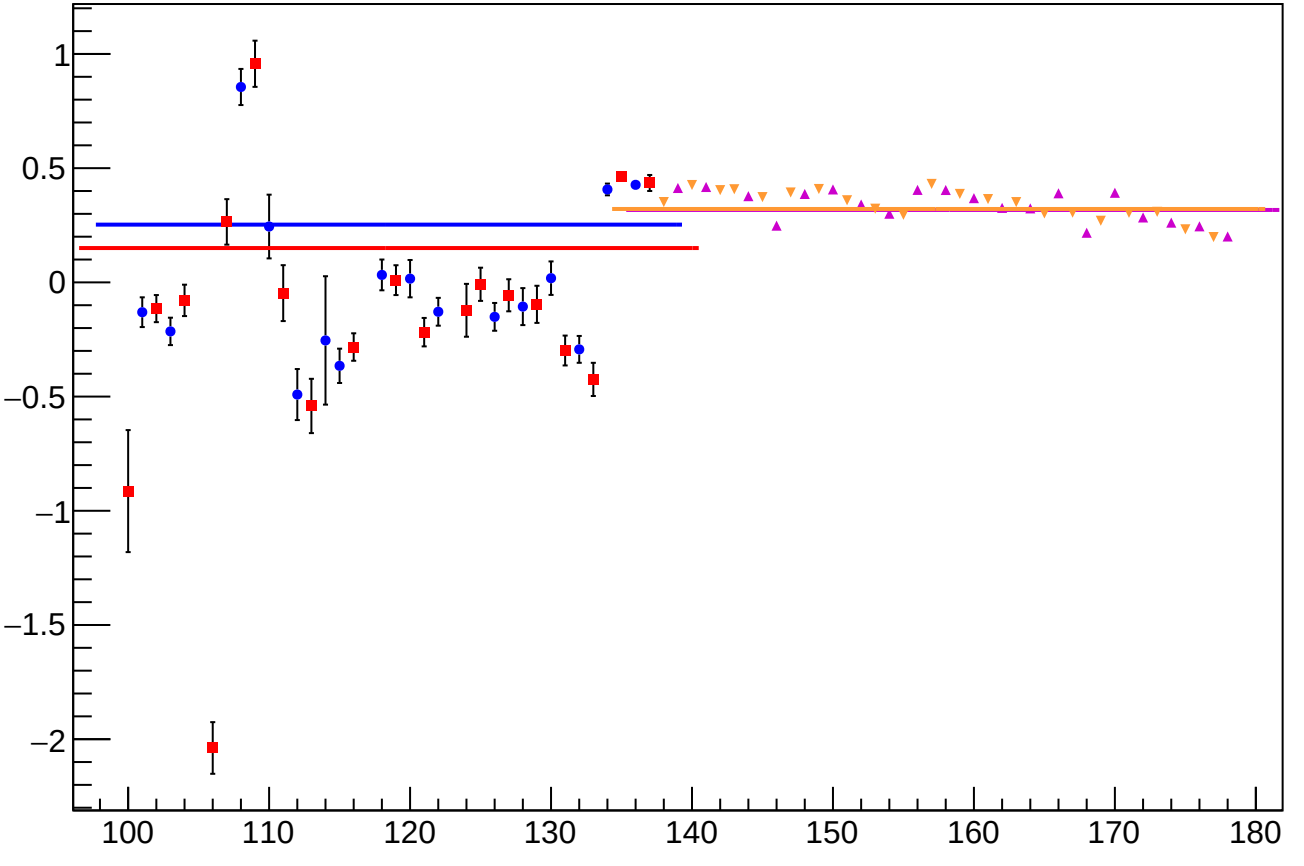
Right: -3.873+/-0.155 χ^2/NDF: 8147.2/34

In: 8.269+/-0.049 χ^2/NDF:12151.6/35

Out: 7.715+/-0.050 χ^2/NDF:13670.4/39

All: 7.995+/-0.035 χ^2/NDF: 25884.7/75

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.321+/-0.002 χ^2/NDF:806.1/20

Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

Left In: 0.317+/-0.002 χ^2/NDF:1009.2/19

Left: 0.319+/-0.002 χ^2/NDF: 1817.1/40

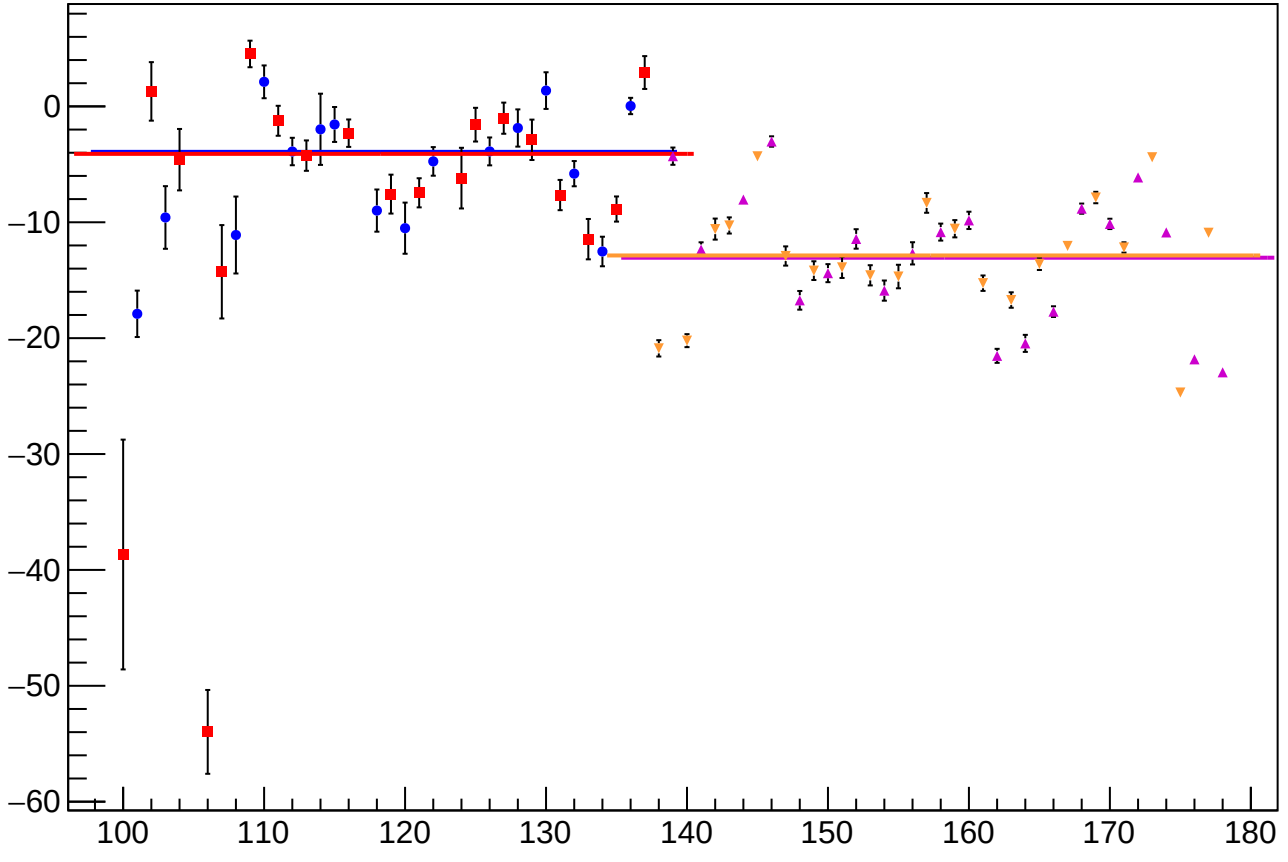
Right: 0.209+/-0.009 χ^2/NDF: 1682.8/34

In: 0.315+/-0.002 χ^2/NDF:1670.3/35

Out: 0.316+/-0.002 χ^2/NDF:1983.5/39

All: 0.316+/-0.002 χ^2/NDF: 3654.2/75

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: -13.059+/-0.118 χ^2/NDF:2873.6/19

Left: -12.964+/-0.084 χ^2/NDF: 5486.2/40

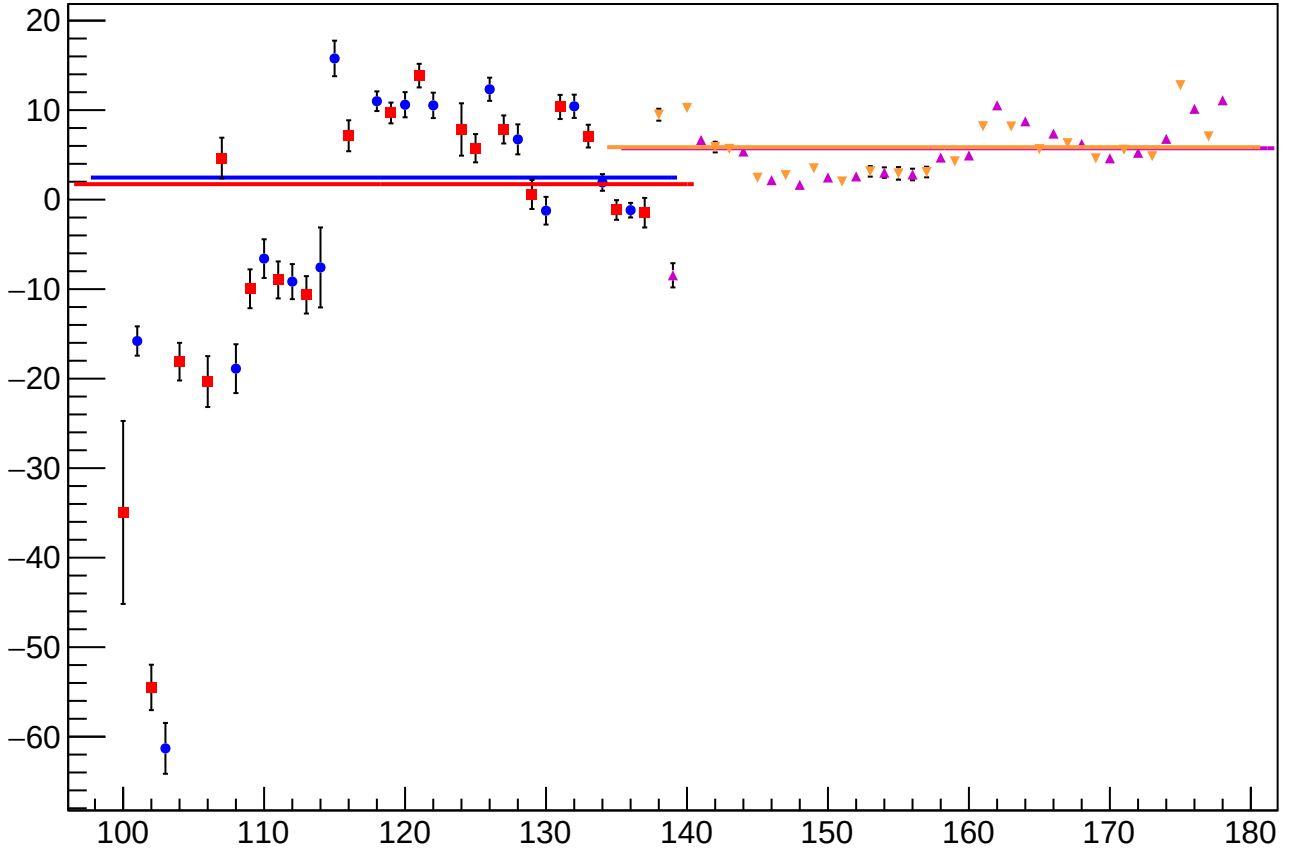
Right: -4.007+/-0.248 χ^2/NDF: 555.8/34

In: -12.111+/-0.111 χ^2/NDF:3687.0/35

Out: -11.958+/-0.115 χ^2/NDF:3519.5/39

All: -12.036+/-0.080 χ^2/NDF: 7207.4/75

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: 5.736+/-0.089 χ^2/NDF:1150.9/19

Left: 5.798+/-0.063 χ^2/NDF: 2154.7/40

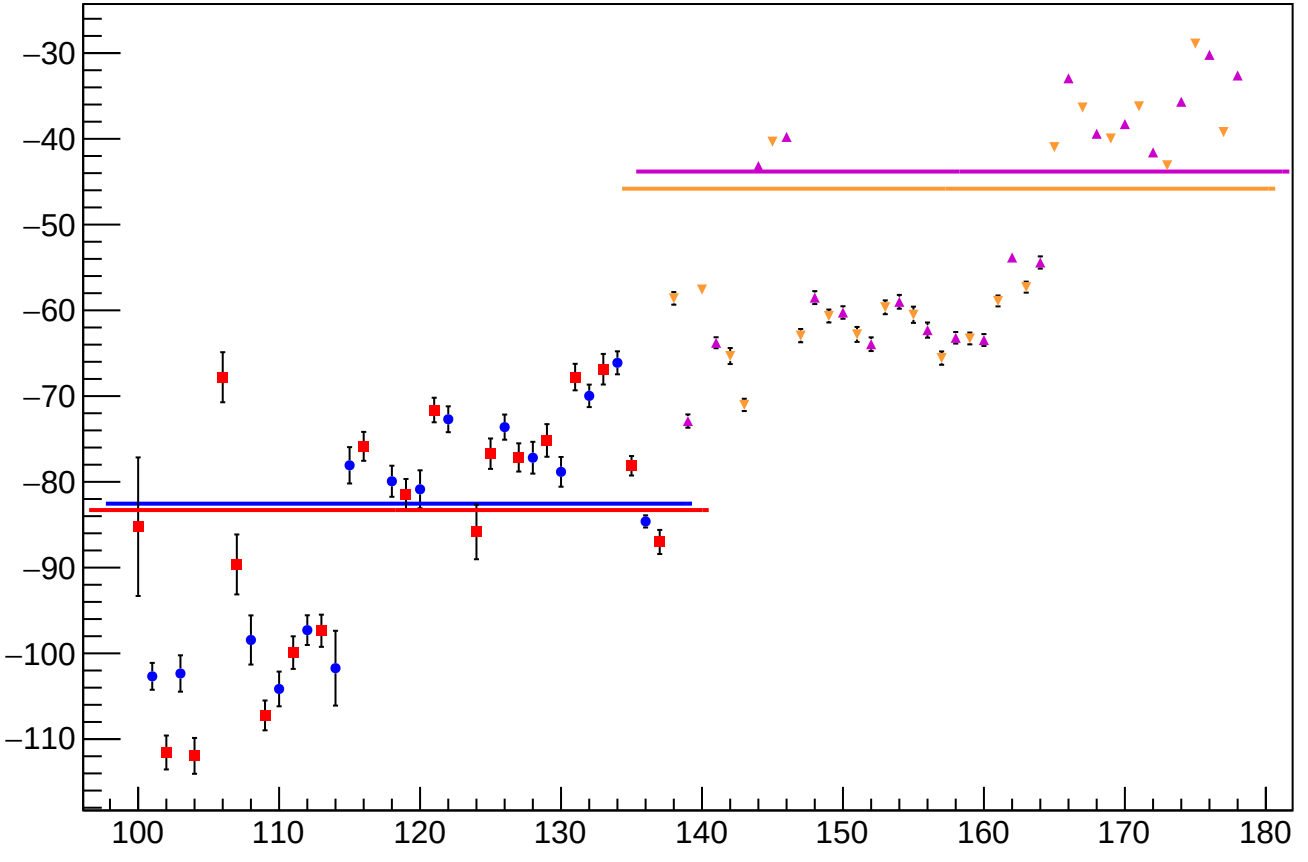
Right: 2.126+/-0.262 χ^2/NDF: 2031.8/34

In: 5.546+/-0.086 χ^2/NDF:2276.8/35

Out: 5.647+/-0.088 χ^2/NDF:2094.6/39

All: 5.596+/-0.061 χ^2/NDF: 4372.1/75

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -45.813+/-0.121 χ^2/NDF:10298.9/20

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

Left In: -43.815+/-0.117 χ^2/NDF:10359.5/19

Left: -44.785+/-0.084 χ^2/NDF: 20799.1/40

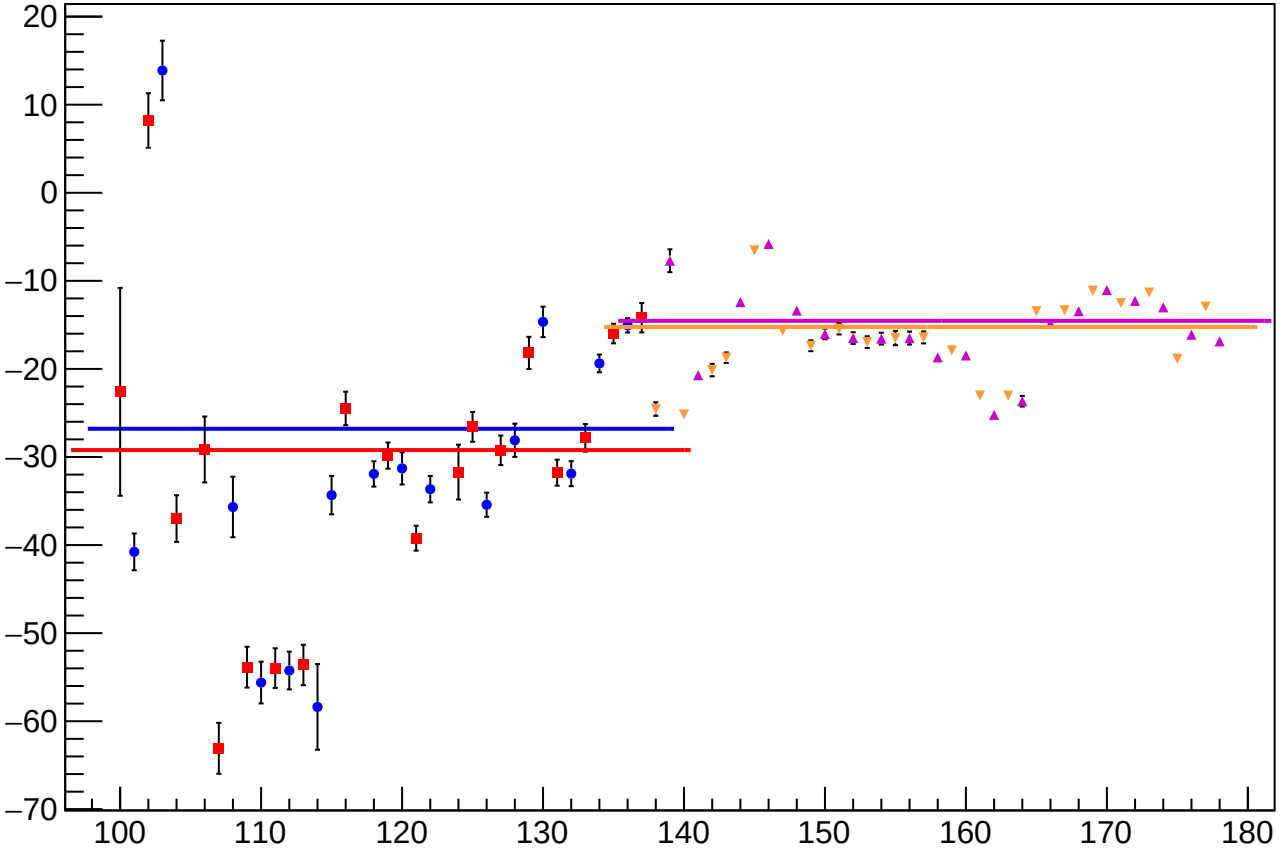
Right: -82.888+/-0.282 χ^2/NDF: 1933.1/34

In: -47.124+/-0.112 χ^2/NDF:20485.2/35

Out: -48.754+/-0.116 χ^2/NDF:18933.6/39

All: -47.913+/-0.081 χ^2/NDF: 39520.7/75

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: -14.544+/-0.100 χ^2/NDF:1994.8/19

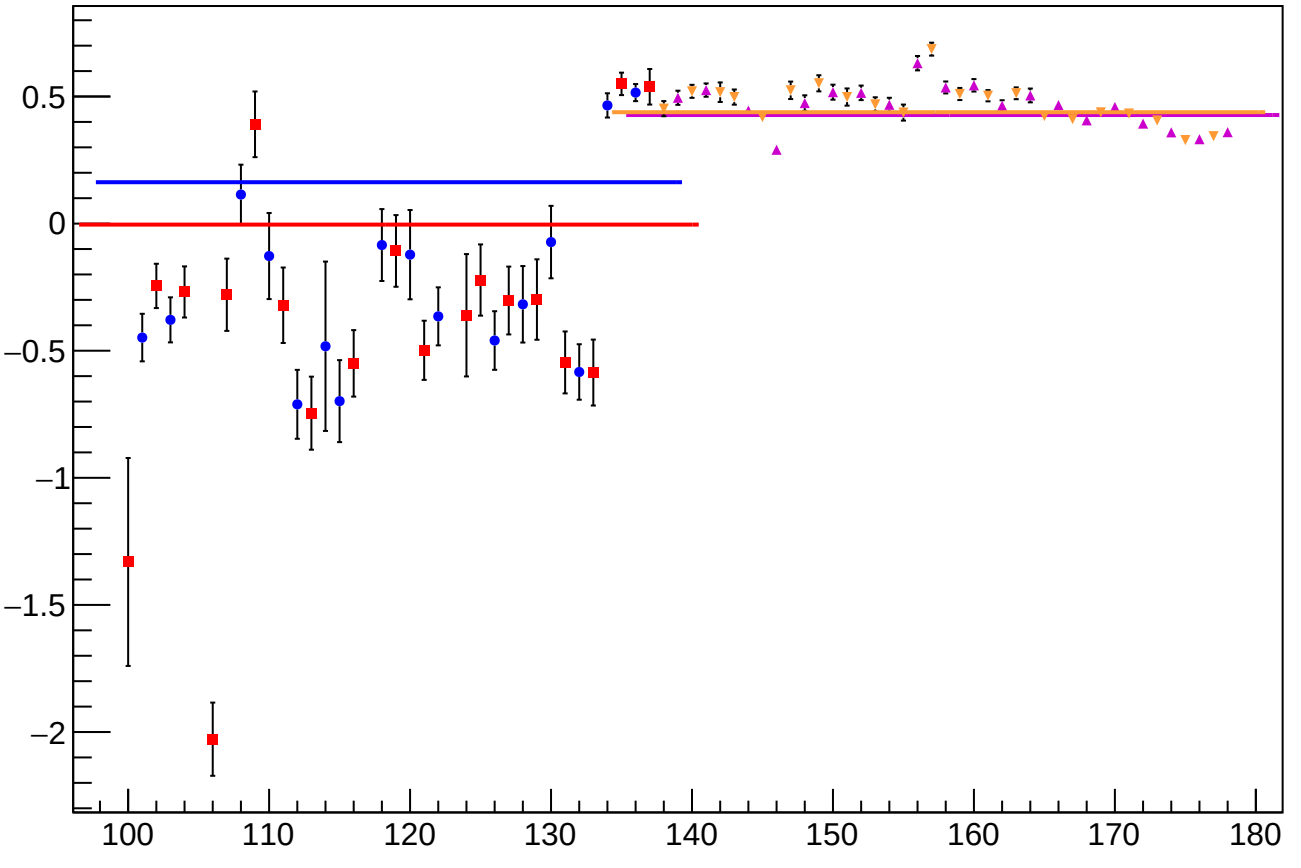
Left: -14.883+/-0.071 χ^2/NDF: 4194.8/40

Right: -27.902+/-0.291 χ^2/NDF: 1941.2/34

In: -15.275+/-0.097 χ^2/NDF:3860.3/35

Out: -15.968+/-0.099 χ^2/NDF:4133.7/39

All: -15.614+/-0.069 χ^2/NDF: 8019.2/75



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: 0.427+/-0.004 χ^2/NDF:301.3/19

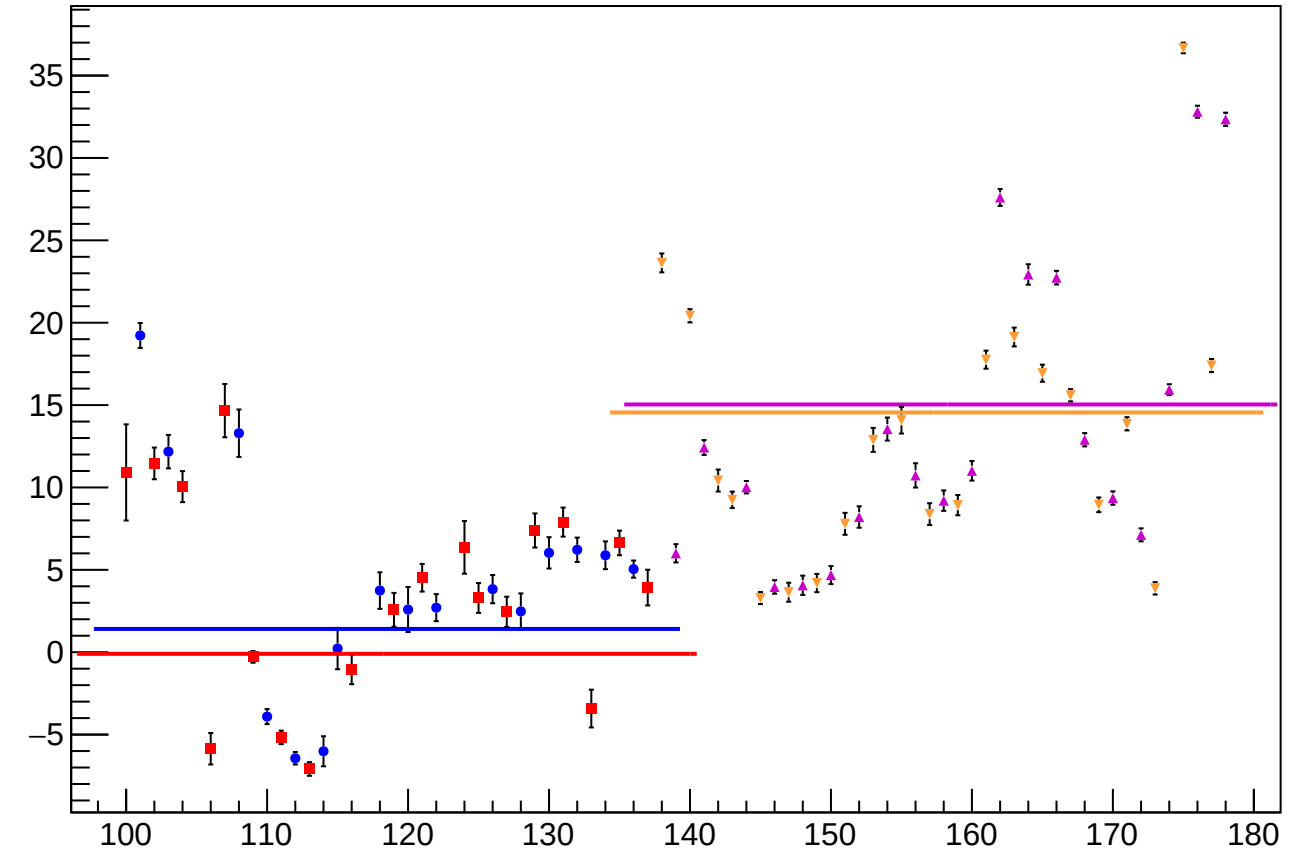
Left: 0.433+/-0.003 χ^2/NDF: 572.3/40

Right: 0.090+/-0.016 χ^2/NDF: 1022.3/34

In: 0.416+/-0.004 χ^2/NDF:870.0/35

Out: 0.423+/-0.004 χ^2/NDF:1158.4/39

All: 0.420+/-0.003 χ^2/NDF: 2029.8/75



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: 15.037+/-0.104 χ^2/NDF:8144.7/19

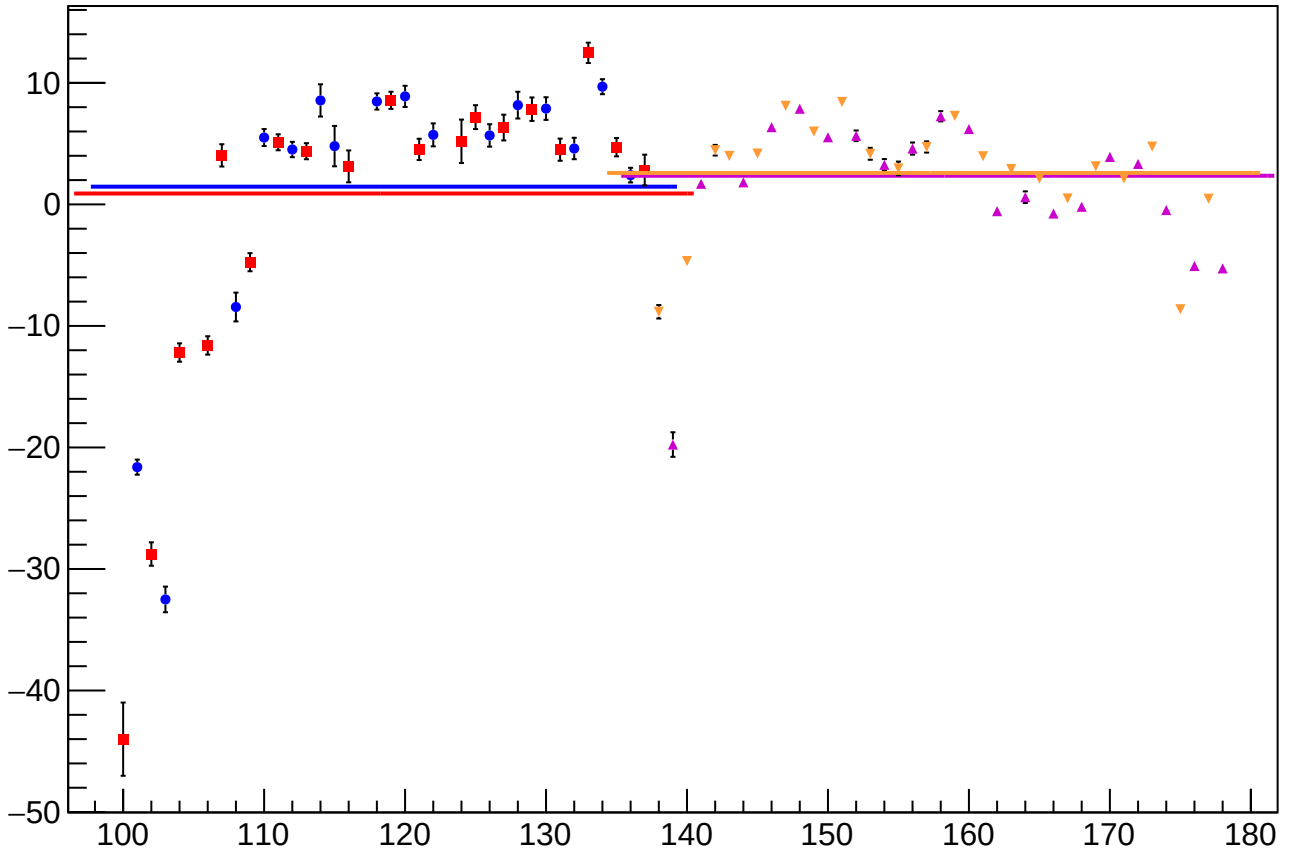
Left: 14.796+/-0.074 χ^2/NDF: 16580.0/40

Right: 0.589+/-0.124 χ^2/NDF: 2706.4/34

In: 11.713+/-0.090 χ^2/NDF:13853.3/35

Out: 10.432+/-0.089 χ^2/NDF:15076.8/39

All: 11.060+/-0.063 χ^2/NDF: 29032.2/75



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: 2.357+/-0.077 χ^2/NDF:2877.0/19

Left: 2.473+/-0.054 χ^2/NDF: 6329.1/40

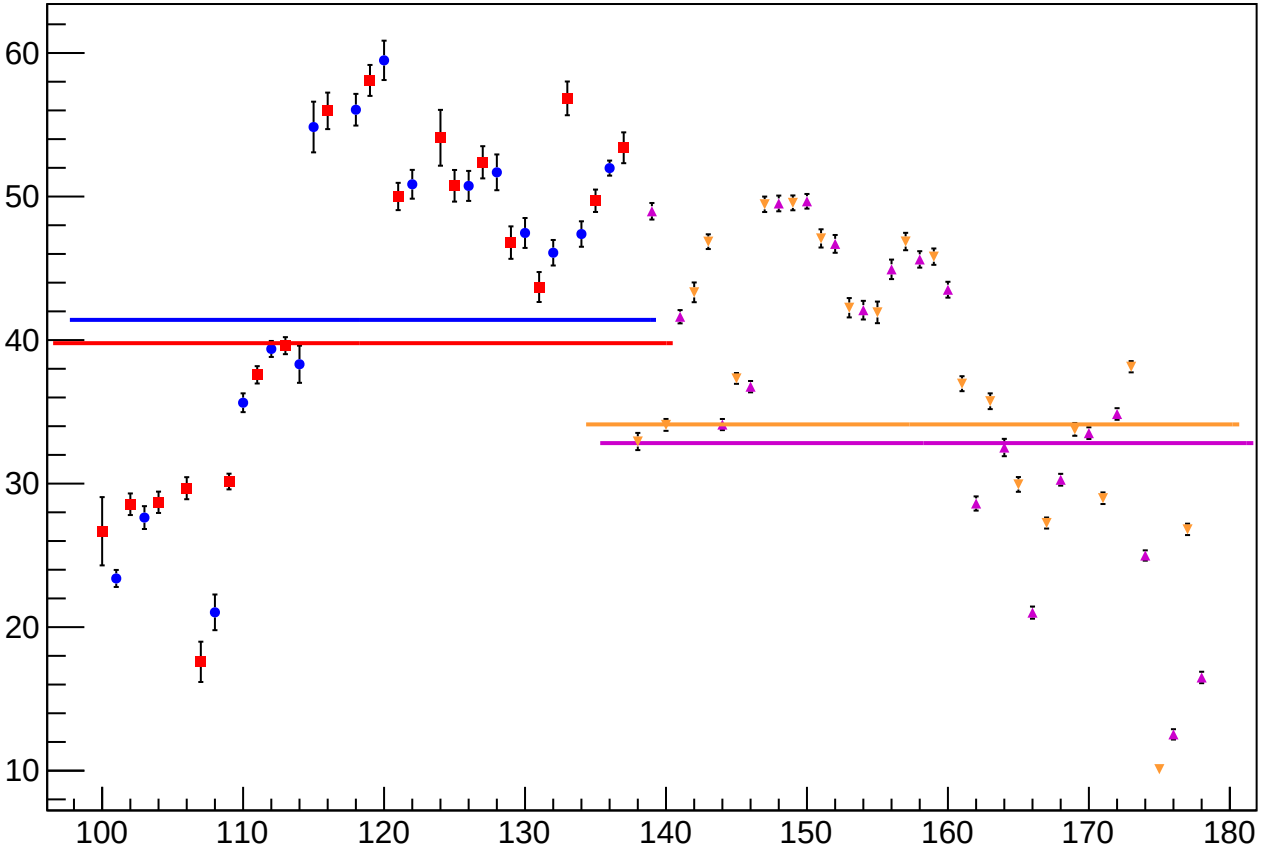
Right: 1.176+/-0.143 χ^2/NDF: 5461.2/34

In: 2.244+/-0.072 χ^2/NDF:5974.3/35

Out: 2.374+/-0.072 χ^2/NDF:5886.0/39

All: 2.309+/-0.051 χ^2/NDF: 11861.9/75

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: 32.822+/-0.103 χ^2/NDF:11399.5/19

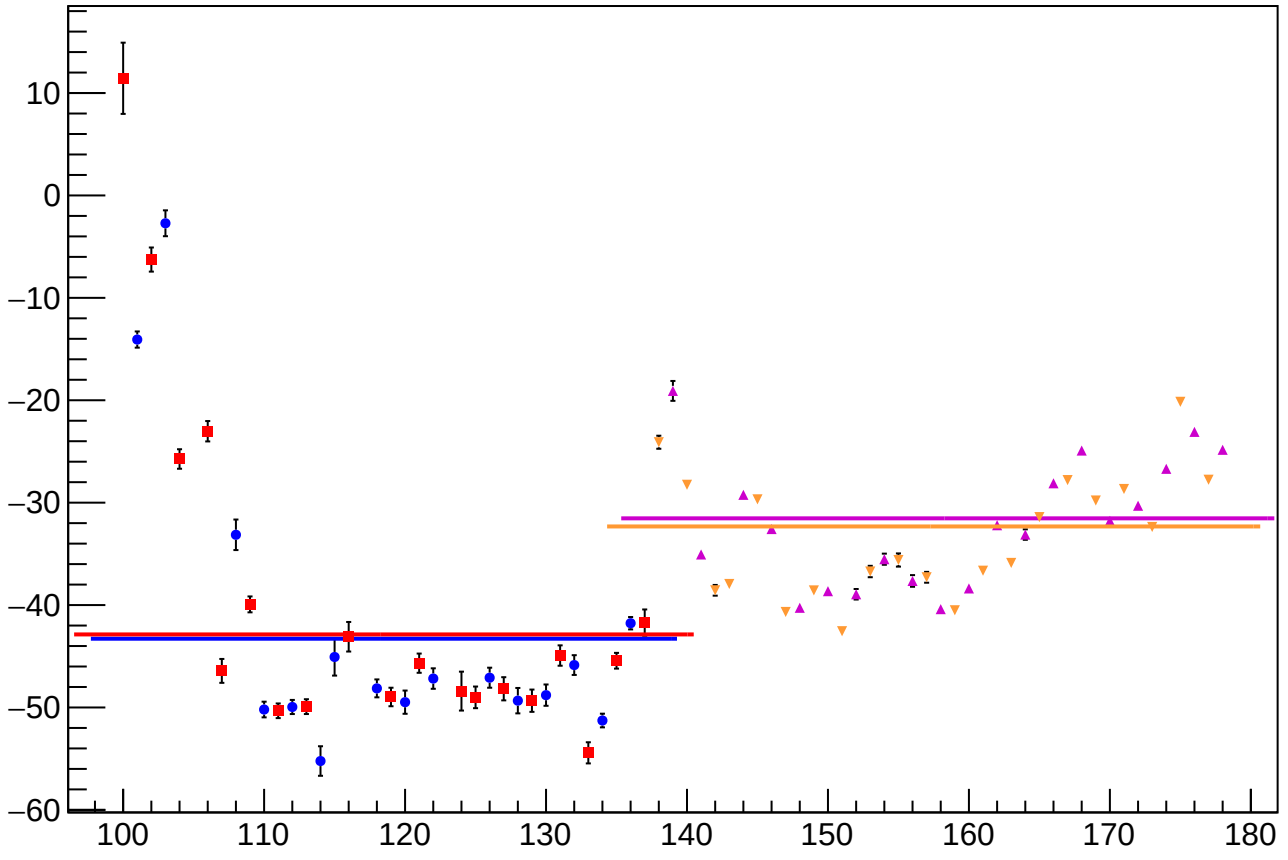
Left: 33.469+/-0.073 χ^2/NDF: 22188.9/40

Right: 40.565+/-0.146 χ^2/NDF: 5430.6/34

In: 34.490+/-0.093 χ^2/NDF:15483.9/35

Out: 35.305+/-0.093 χ^2/NDF:13980.2/39

All: 34.898+/-0.066 χ^2/NDF: 29502.8/75



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: -31.531+/-0.087 χ^2/NDF:3727.8/19

Left: -31.929+/-0.062 χ^2/NDF: 8378.9/40

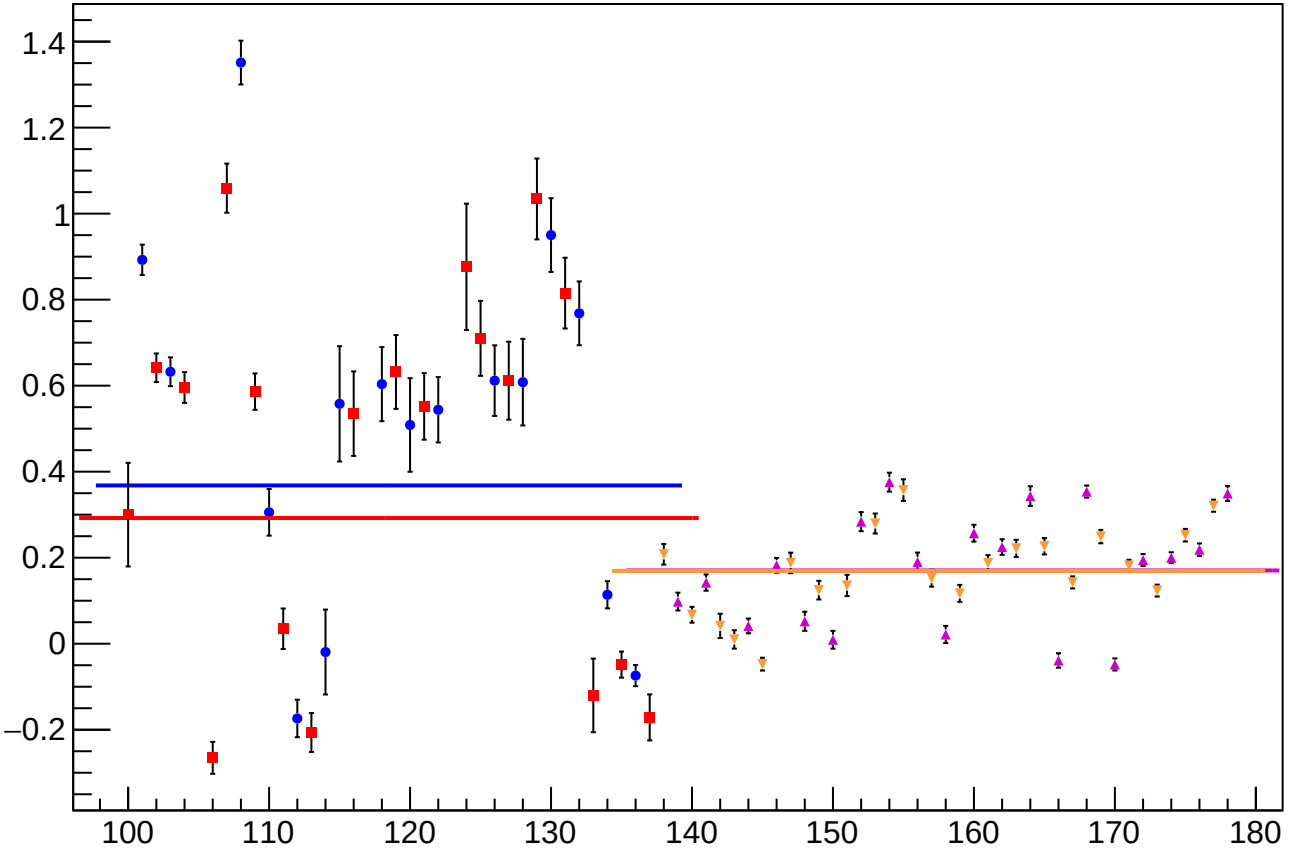
Right: -43.076+/-0.162 χ^2/NDF: 5441.1/34

In: -33.024+/-0.082 χ^2/NDF:9006.2/35

Out: -33.658+/-0.081 χ^2/NDF:8915.3/39

All: -33.342+/-0.058 χ^2/NDF: 17951.6/75

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.368+/-0.012 χ^2/NDF: 1320.9/15

Left Out: 0.169+/-0.004 χ^2/NDF:620.8/20

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

Left In: 0.170+/-0.004 χ^2/NDF:1100.2/19

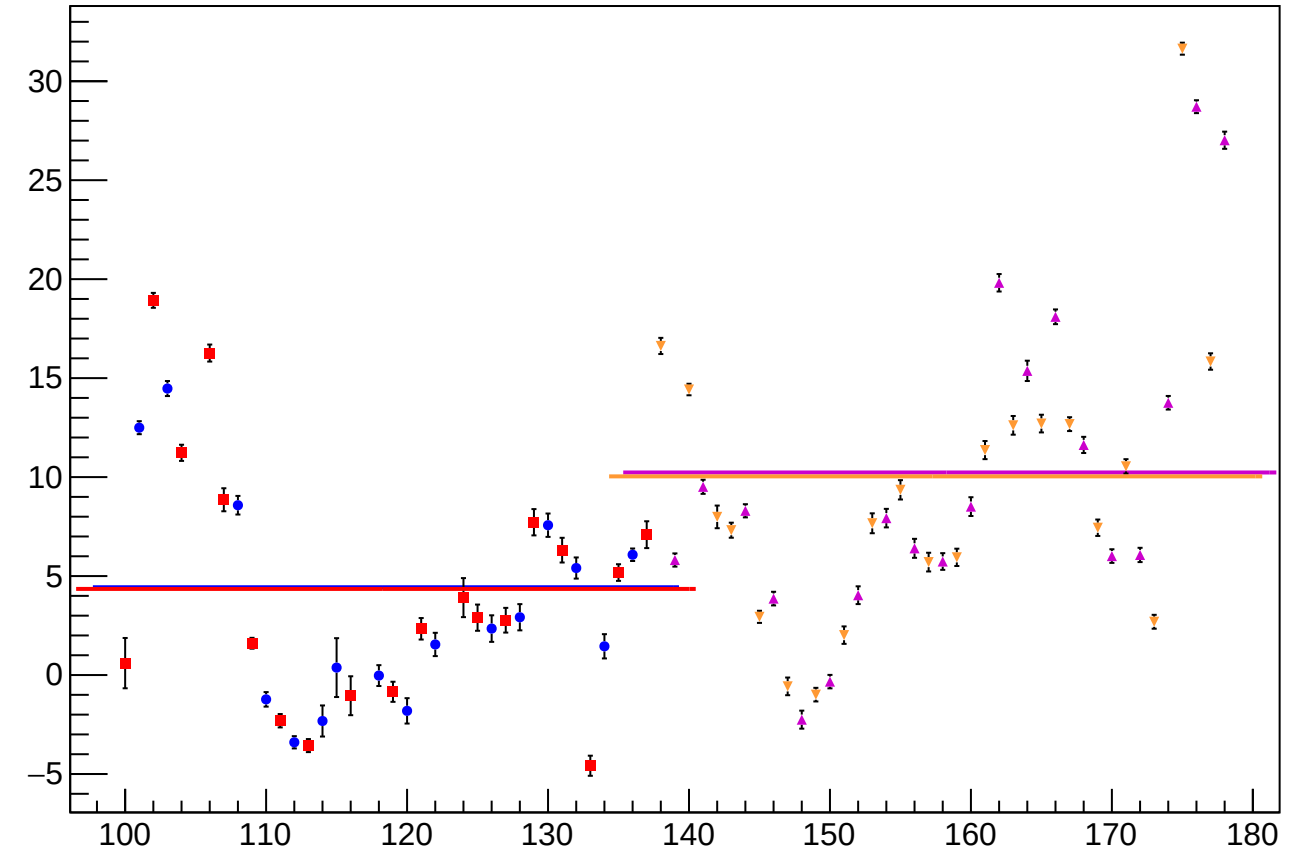
Left: 0.170+/-0.003 χ^2/NDF: 1721.1/40

Right: 0.330+/-0.009 χ^2/NDF: 2539.6/34

In: 0.189+/-0.004 χ^2/NDF:2659.1/35

Out: 0.181+/-0.004 χ^2/NDF:1913.2/39

All: 0.185+/-0.003 χ^2/NDF: 4574.4/75



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: 10.233+/-0.087 χ^2/NDF:8808.0/19

Left: 10.134+/-0.061 χ^2/NDF: 17877.0/40

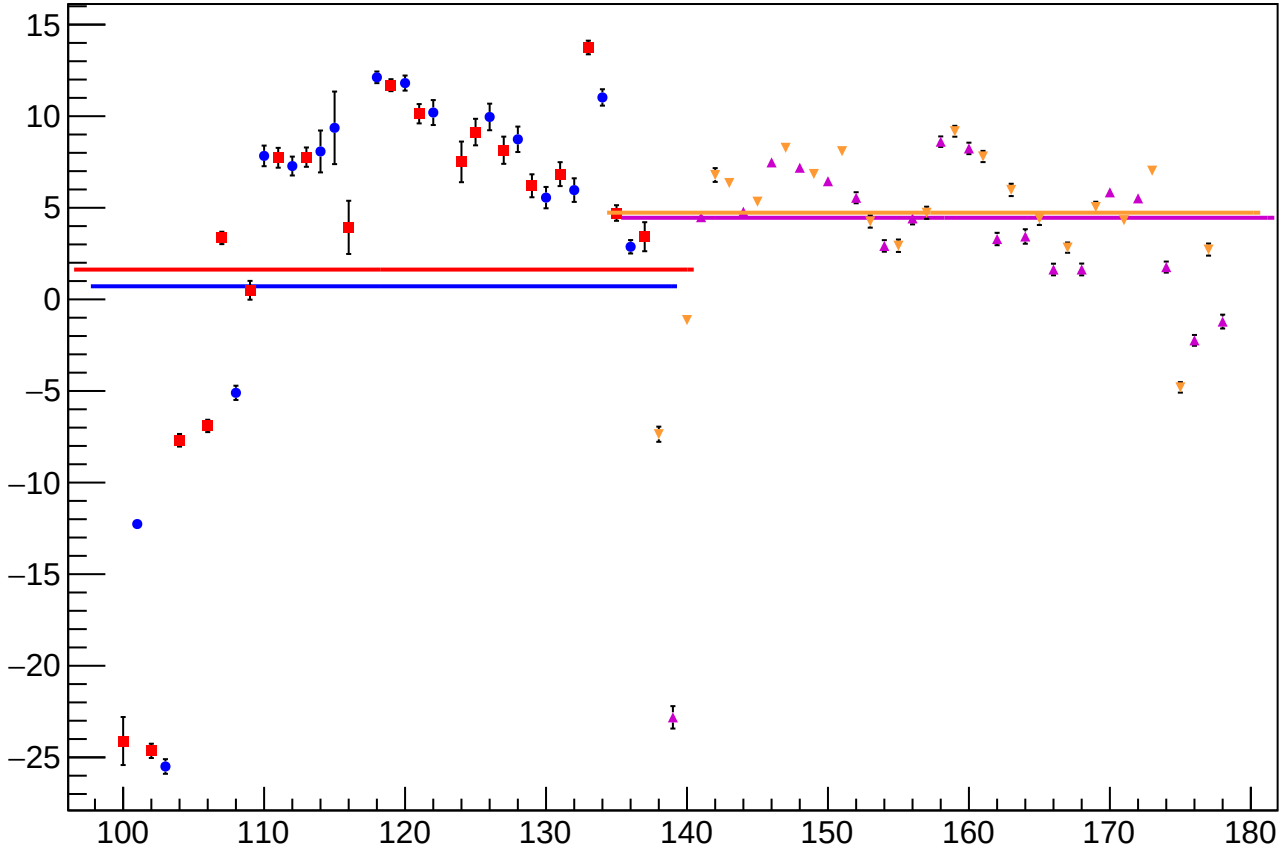
Right: 4.390+/-0.080 χ^2/NDF: 6827.6/34

In: 8.178+/-0.070 χ^2/NDF:13016.6/35

Out: 7.860+/-0.068 χ^2/NDF:14947.9/39

All: 8.014+/-0.048 χ^2/NDF: 27975.3/75

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.715+/-0.116 χ^2/NDF: 10454.0/15

Left Out: 4.733+/-0.062 χ^2/NDF:3698.7/20

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

Left In: 4.455+/-0.064 χ^2/NDF:3858.3/19

Left: 4.598+/-0.045 χ^2/NDF: 7566.7/40

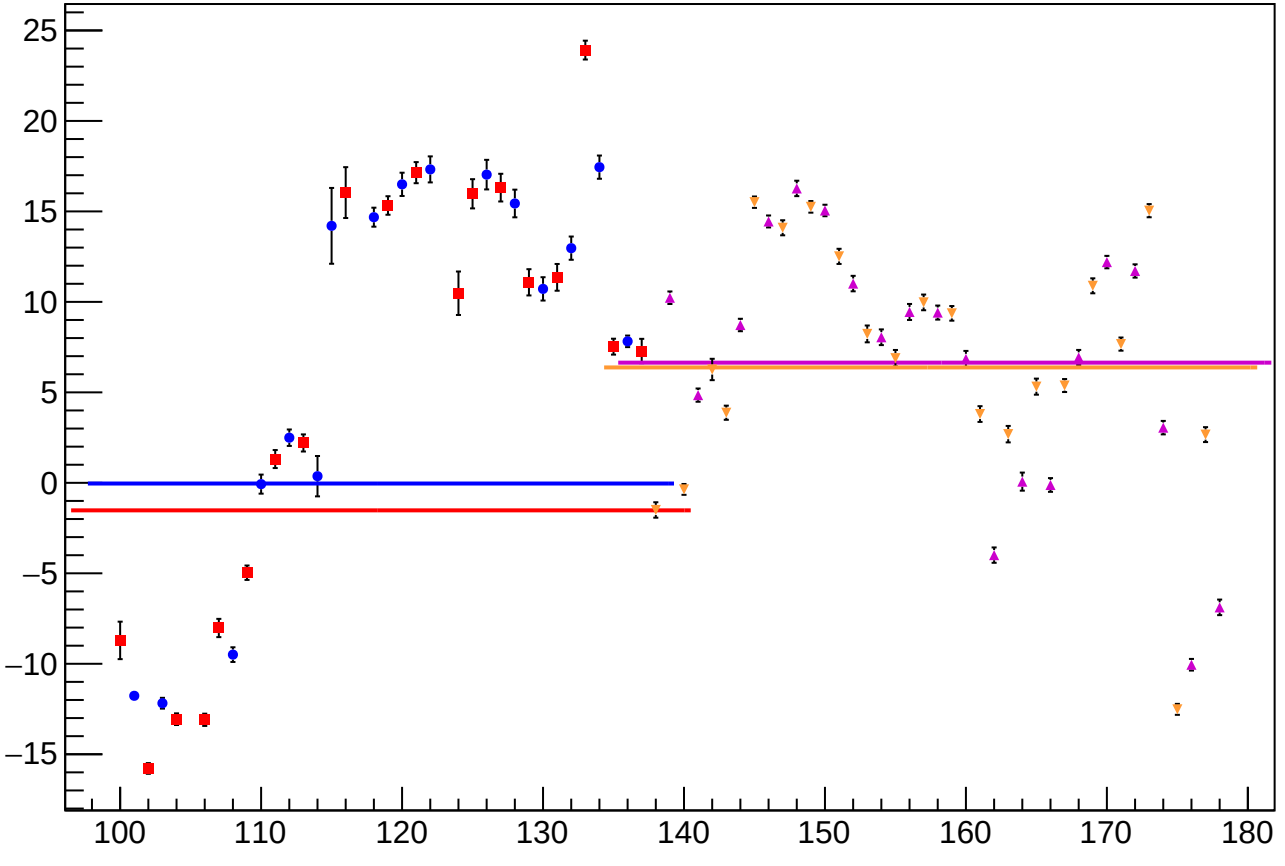
Right: 1.190+/-0.080 χ^2/NDF: 19741.8/34

In: 3.577+/-0.056 χ^2/NDF:15108.8/35

Out: 3.988+/-0.054 χ^2/NDF:13549.1/39

All: 3.789+/-0.039 χ^2/NDF: 28685.6/75

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.038+/-0.119 χ^2/NDF: 9274.3/15

Left Out: 6.377+/-0.085 χ^2/NDF:7963.7/20

Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

Left In: 6.642+/-0.085 χ^2/NDF:7479.8/19

Left: 6.509+/-0.060 χ^2/NDF: 15448.3/40

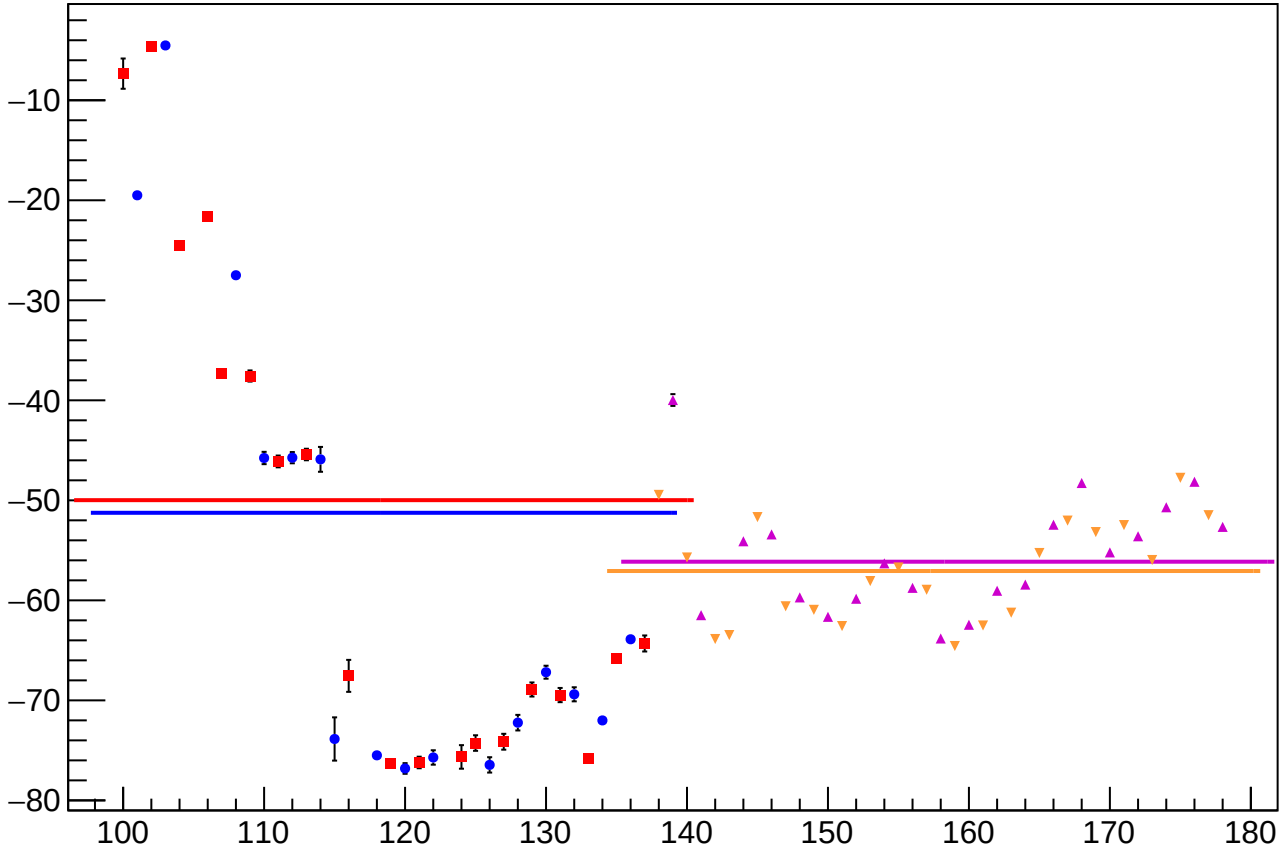
Right: -0.807+/-0.083 χ^2/NDF: 21484.6/34

In: 4.377+/-0.069 χ^2/NDF:18824.2/35

Out: 3.594+/-0.068 χ^2/NDF:23144.2/39

All: 3.979+/-0.049 χ^2/NDF: 42033.0/75

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: -56.136+/-0.073 χ^2/NDF:4690.0/19

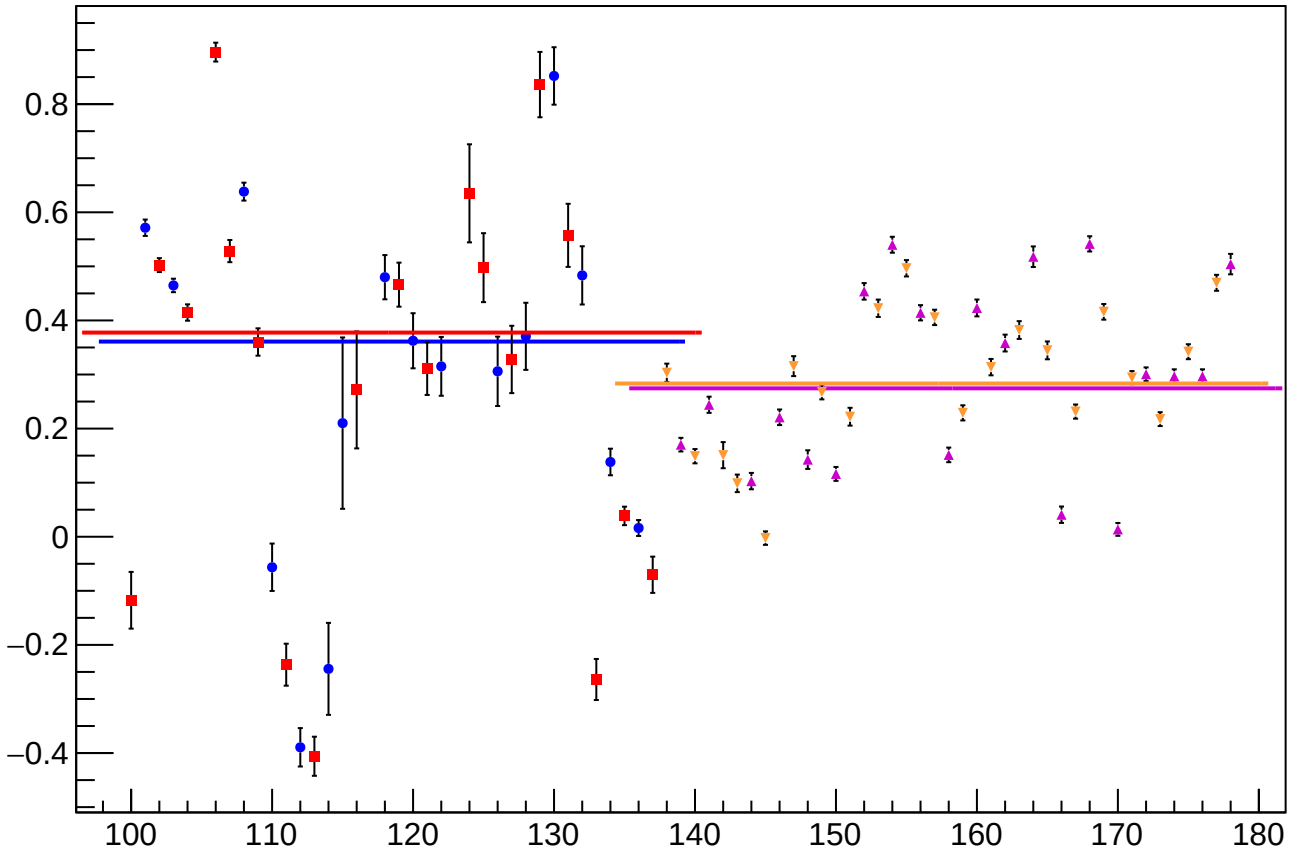
Left: -56.612+/-0.051 χ^2/NDF: 9621.4/40

Right: -50.590+/-0.094 χ^2/NDF: 67702.6/34

In: -55.043+/-0.064 χ^2/NDF:39462.8/35

Out: -55.444+/-0.063 χ^2/NDF:41005.7/39

All: -55.248+/-0.045 χ^2/NDF: 80488.4/75



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: 0.274+/-0.003 χ^2/NDF:2587.8/19

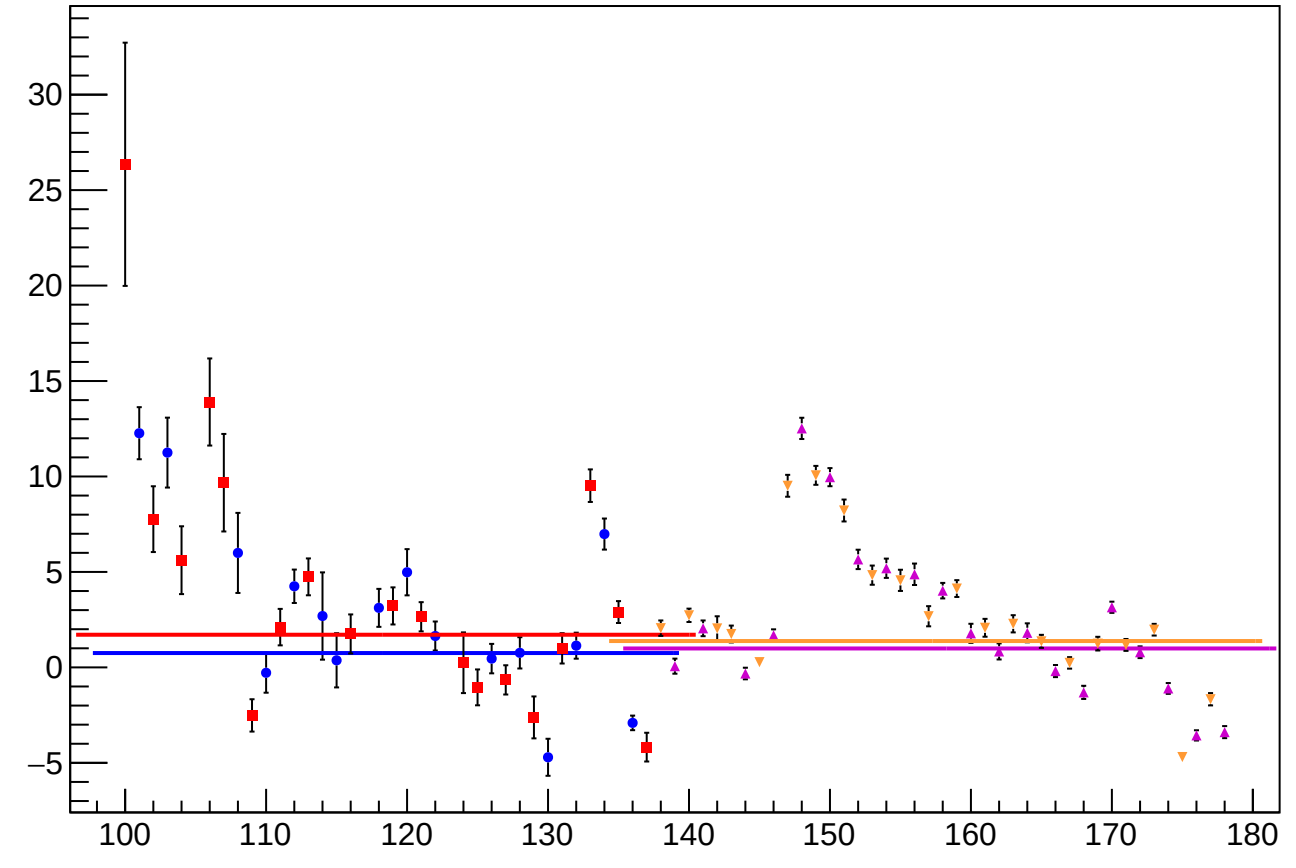
Left: 0.279+/-0.002 χ^2/NDF: 4122.1/40

Right: 0.370+/-0.004 χ^2/NDF: 4654.1/34

In: 0.292+/-0.003 χ^2/NDF:4595.1/35

Out: 0.304+/-0.003 χ^2/NDF:4506.8/39

All: 0.298+/-0.002 χ^2/NDF: 9110.5/75



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: 0.991+/-0.082 χ^2/NDF:1731.3/19

Left: 1.183+/-0.058 χ^2/NDF: 3246.3/40

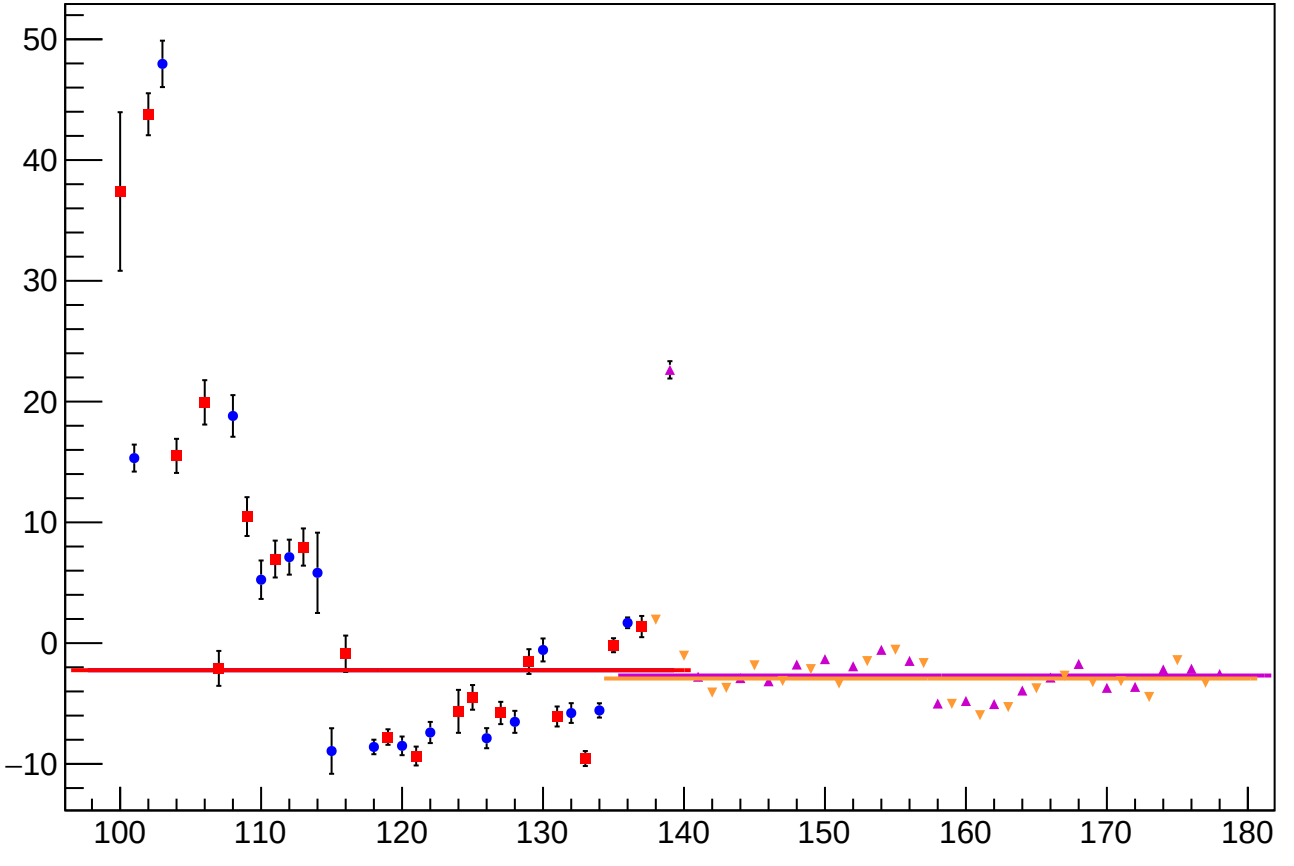
Right: 1.208+/-0.154 χ^2/NDF: 633.6/34

In: 0.960+/-0.077 χ^2/NDF:2062.5/35

Out: 1.420+/-0.078 χ^2/NDF:1799.6/39

All: 1.186+/-0.055 χ^2/NDF: 3879.9/75

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: -2.682+/-0.062 χ^2/NDF:1572.5/19

Left: -2.806+/-0.044 χ^2/NDF: 2187.4/40

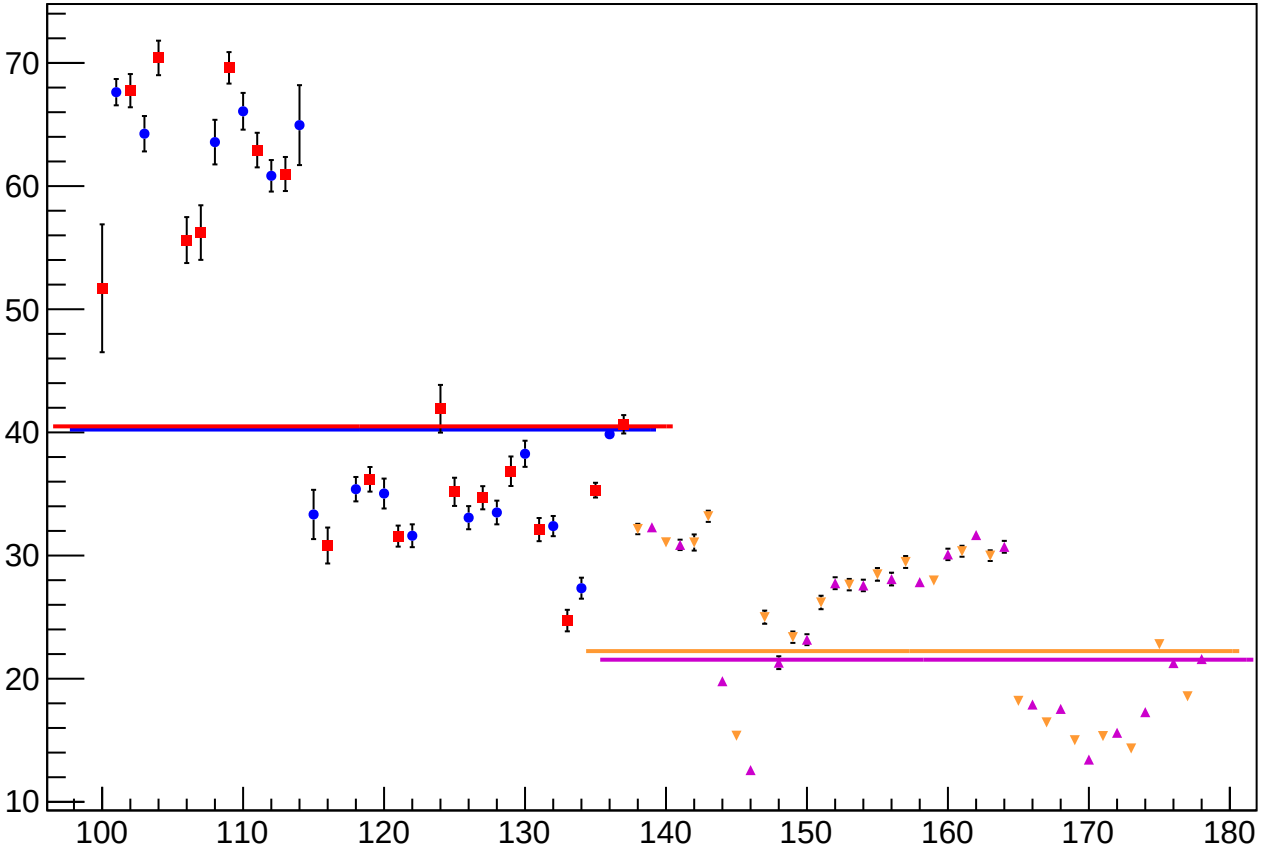
Right: -2.244+/-0.157 χ^2/NDF: 3128.1/34

In: -2.649+/-0.059 χ^2/NDF:3148.8/35

Out: -2.883+/-0.060 χ^2/NDF:2170.9/39

All: -2.765+/-0.042 χ^2/NDF: 5327.4/75

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: 21.543+/-0.081 χ^2/NDF:5775.0/19

Left: 21.888+/-0.058 χ^2/NDF: 11941.7/40

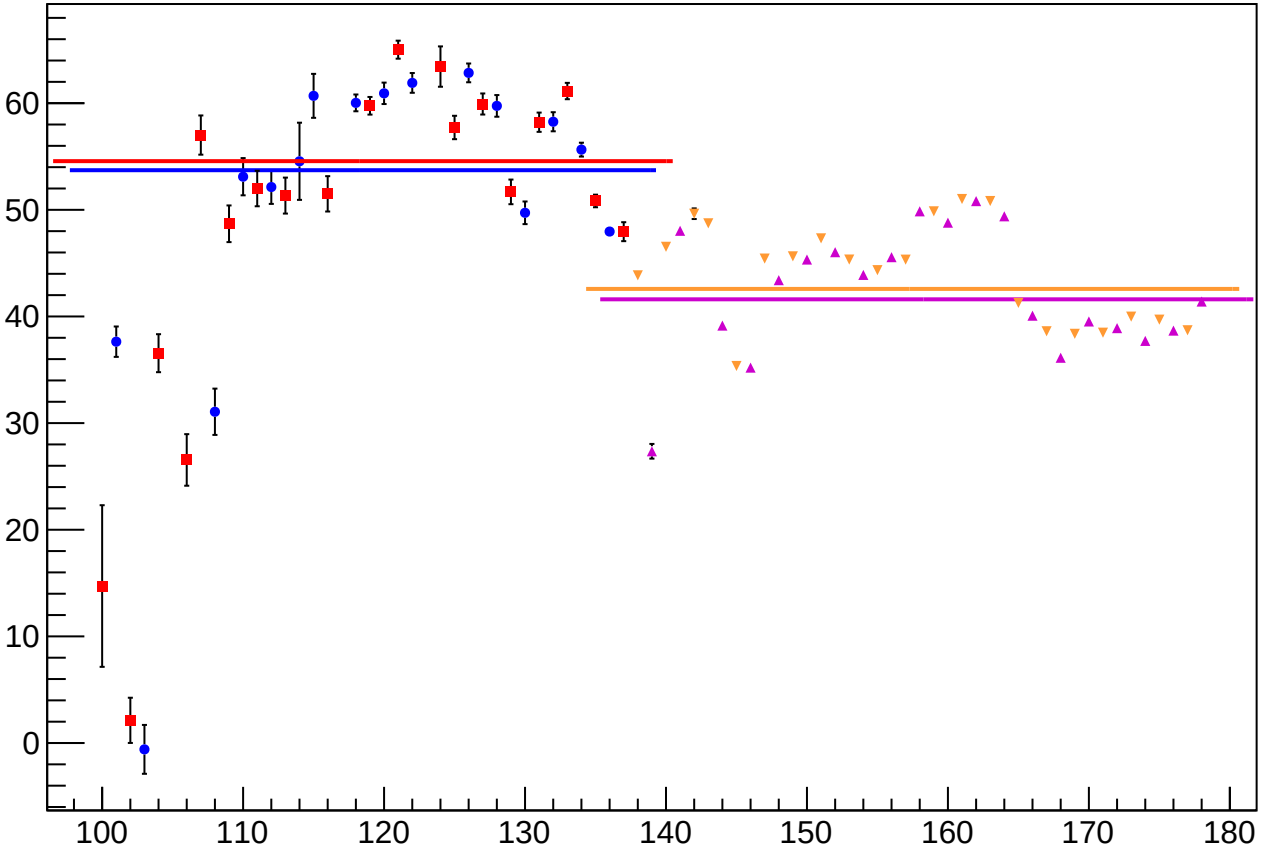
Right: 40.351+/-0.170 χ^2/NDF: 4989.7/34

In: 23.602+/-0.077 χ^2/NDF:13868.8/35

Out: 24.027+/-0.078 χ^2/NDF:13618.8/39

All: 23.810+/-0.055 χ^2/NDF: 27502.6/75

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 42.584+/-0.069 χ^2/NDF:4790.1/20

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

Left In: 41.608+/-0.069 χ^2/NDF:5140.0/19

Left: 42.095+/-0.049 χ^2/NDF: 10029.0/40

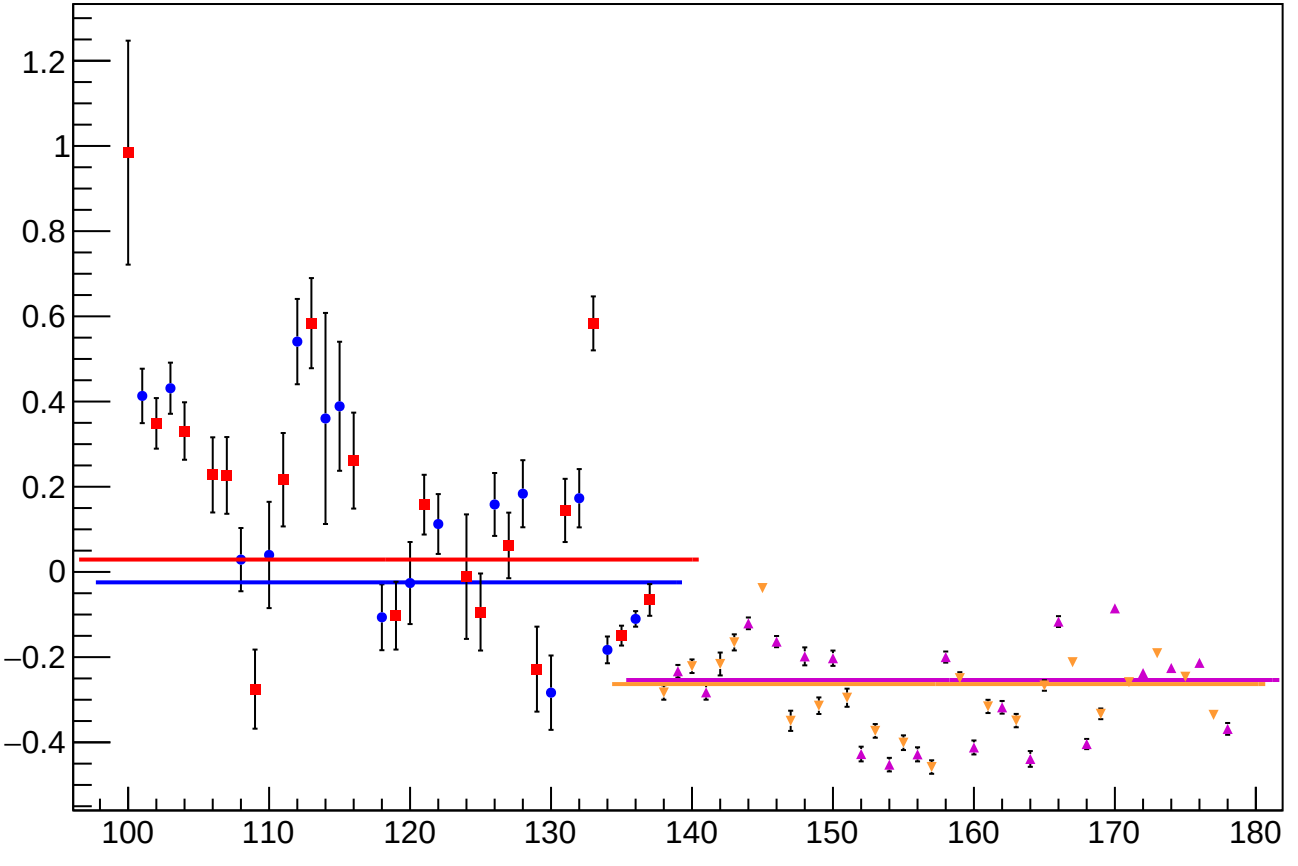
Right: 54.111+/-0.175 χ^2/NDF: 2711.2/34

In: 42.547+/-0.067 χ^2/NDF:8869.6/35

Out: 43.405+/-0.067 χ^2/NDF:8171.0/39

All: 42.973+/-0.047 χ^2/NDF: 17122.9/75

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: -0.254+/-0.003 χ^2/NDF:1400.3/19

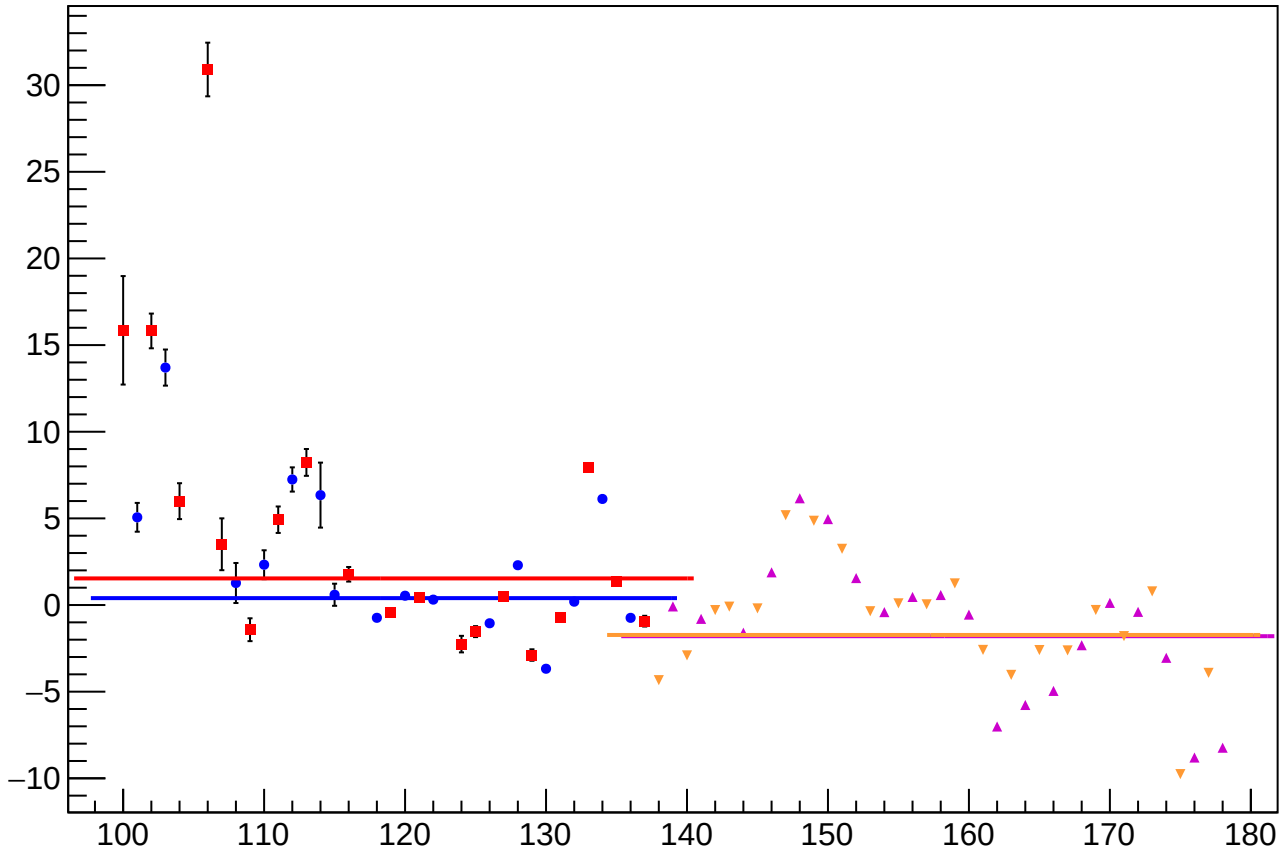
Left: -0.258+/-0.002 χ^2/NDF: 2341.7/40

Right: -0.001+/-0.010 χ^2/NDF: 513.9/34

In: -0.241+/-0.003 χ^2/NDF:1933.2/35

Out: -0.250+/-0.003 χ^2/NDF:1614.9/39

All: -0.246+/-0.002 χ^2/NDF: 3552.4/75



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: -1.799+/-0.032 χ^2/NDF:14356.5/19

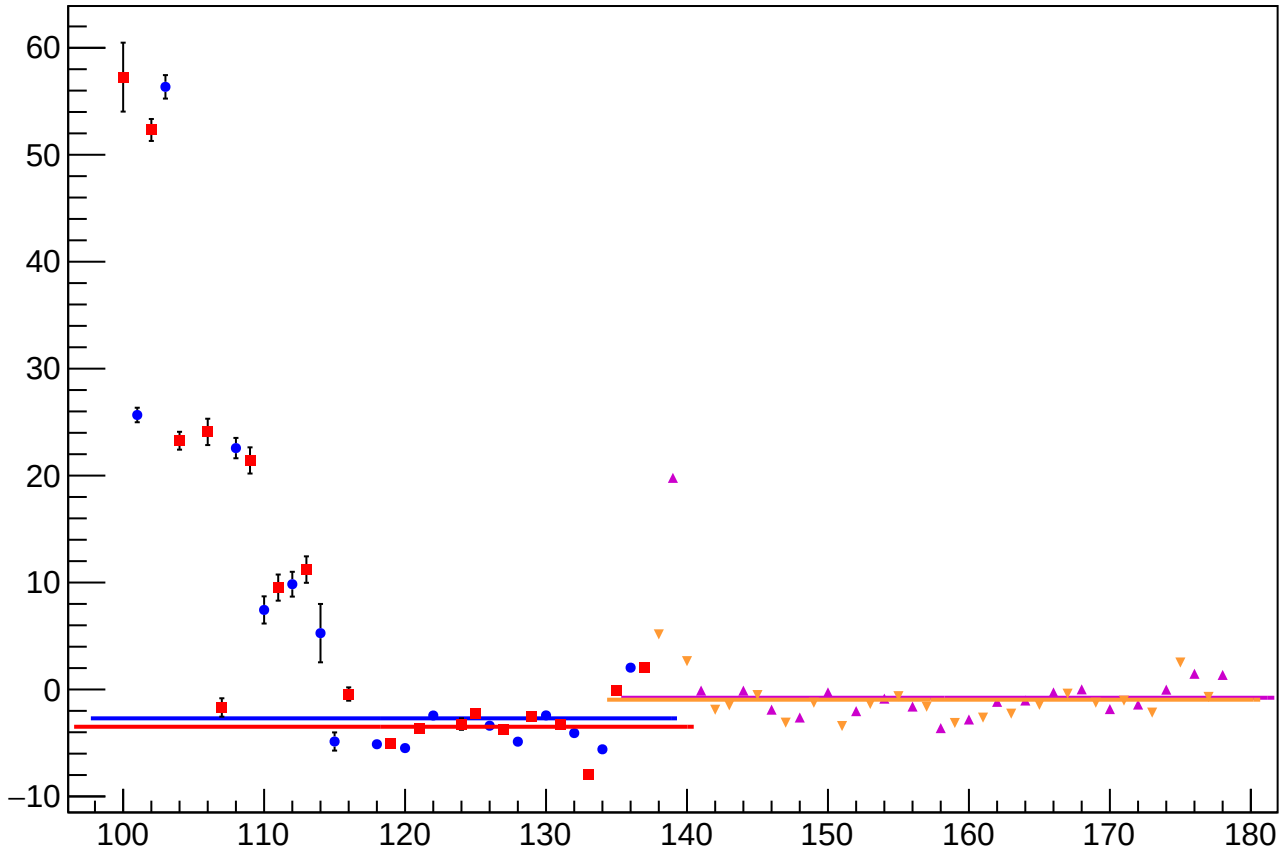
Left: -1.764+/-0.022 χ^2/NDF: 27211.6/40

Right: 0.959+/-0.055 χ^2/NDF: 3615.8/34

In: -1.483+/-0.029 χ^2/NDF:16149.9/35

Out: -1.263+/-0.029 χ^2/NDF:16758.2/39

All: -1.374+/-0.021 χ^2/NDF: 32936.2/75



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: -0.773+/-0.024 χ^2/NDF:9368.0/19

Left: -0.865+/-0.017 χ^2/NDF: 15326.1/40

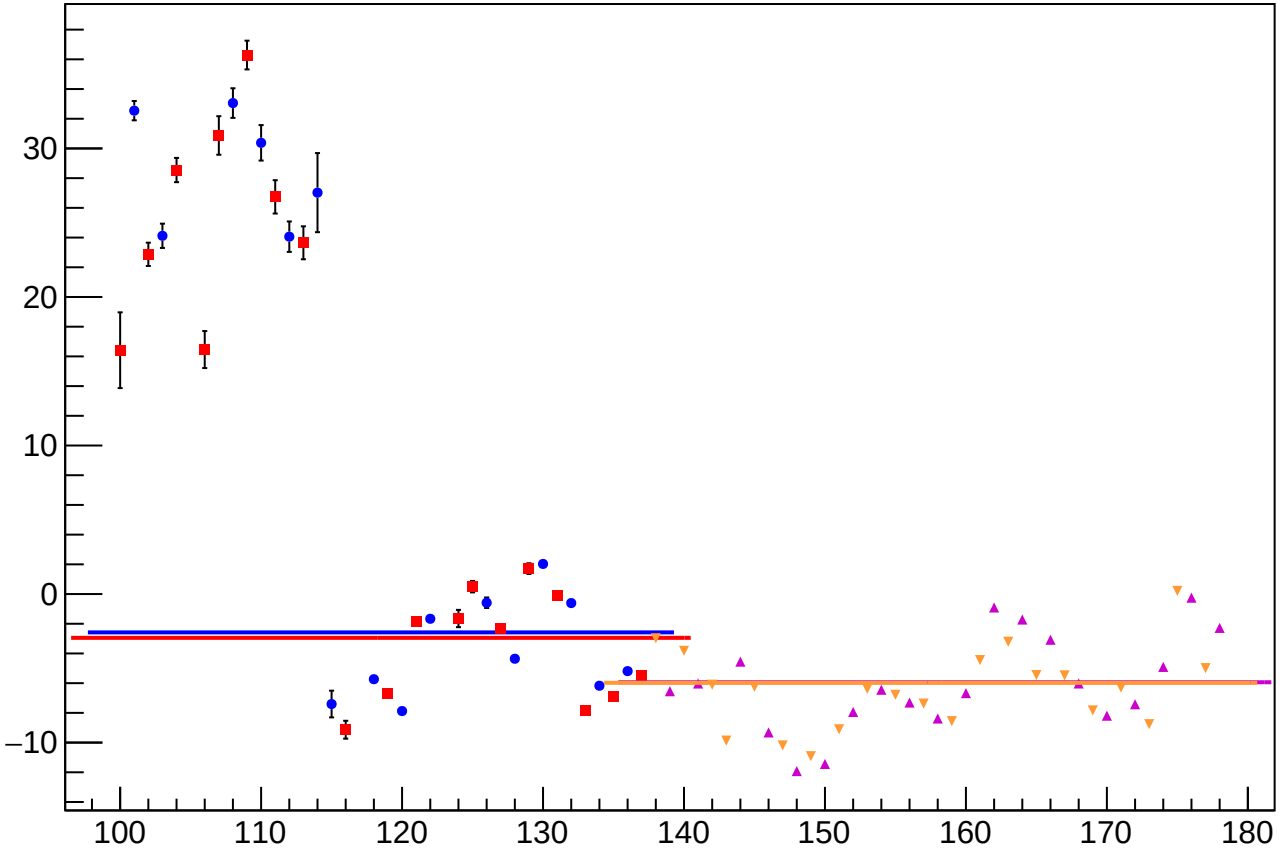
Right: -3.091+/-0.050 χ^2/NDF: 14325.4/34

In: -0.968+/-0.022 χ^2/NDF:17138.1/35

Out: -1.210+/-0.022 χ^2/NDF:14234.6/39

All: -1.089+/-0.016 χ^2/NDF: 31430.7/75

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: -5.939+/-0.031 χ^2/NDF:10018.5/19

Left: -5.957+/-0.022 χ^2/NDF: 18626.1/40

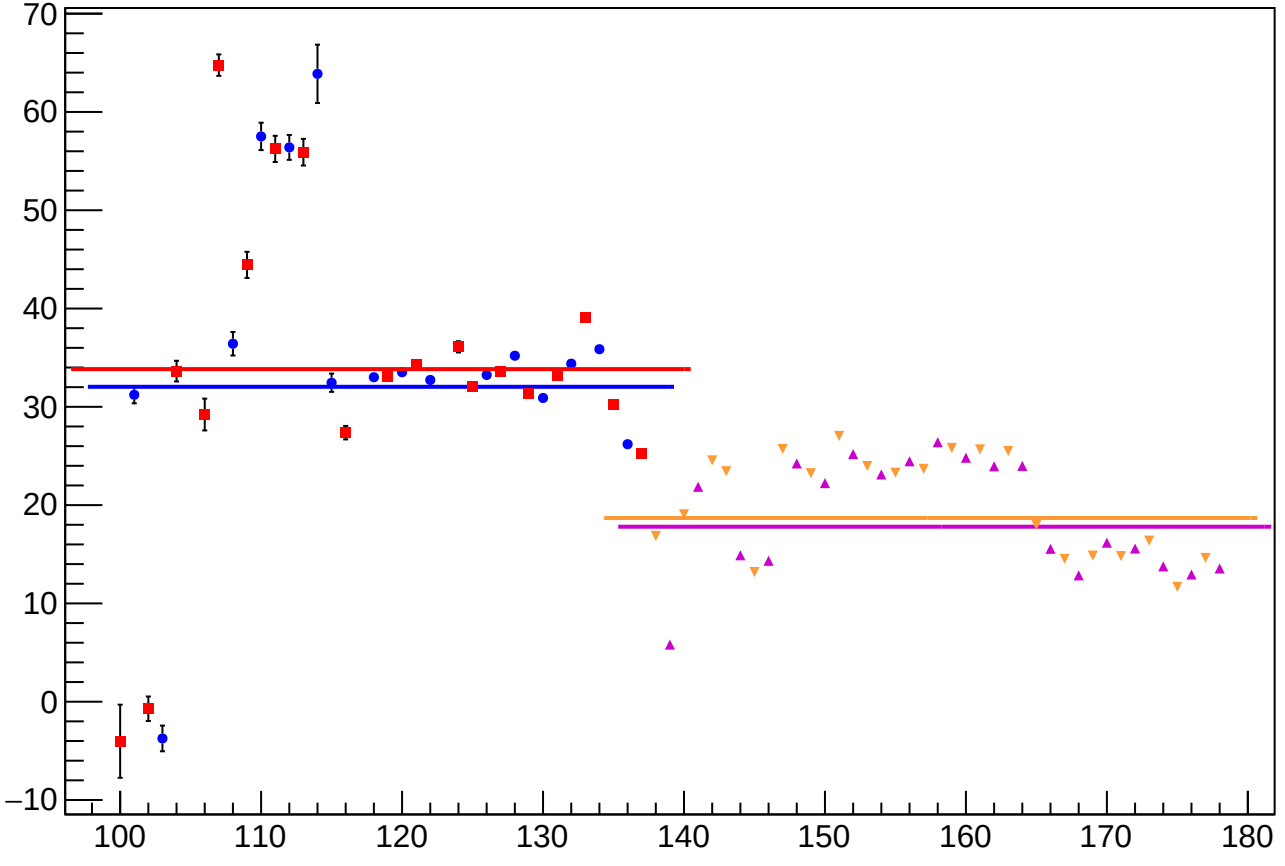
Right: -2.761+/-0.059 χ^2/NDF: 16365.7/34

In: -5.520+/-0.029 χ^2/NDF:19607.0/35

Out: -5.606+/-0.030 χ^2/NDF:17918.6/39

All: -5.562+/-0.021 χ^2/NDF: 37529.9/75

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 32.038+/-0.081 χ^2/NDF: 3255.9/15

Left Out: 18.687+/-0.027 χ^2/NDF:36043.6/20

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 17.804+/-0.027 χ^2/NDF:32434.2/19

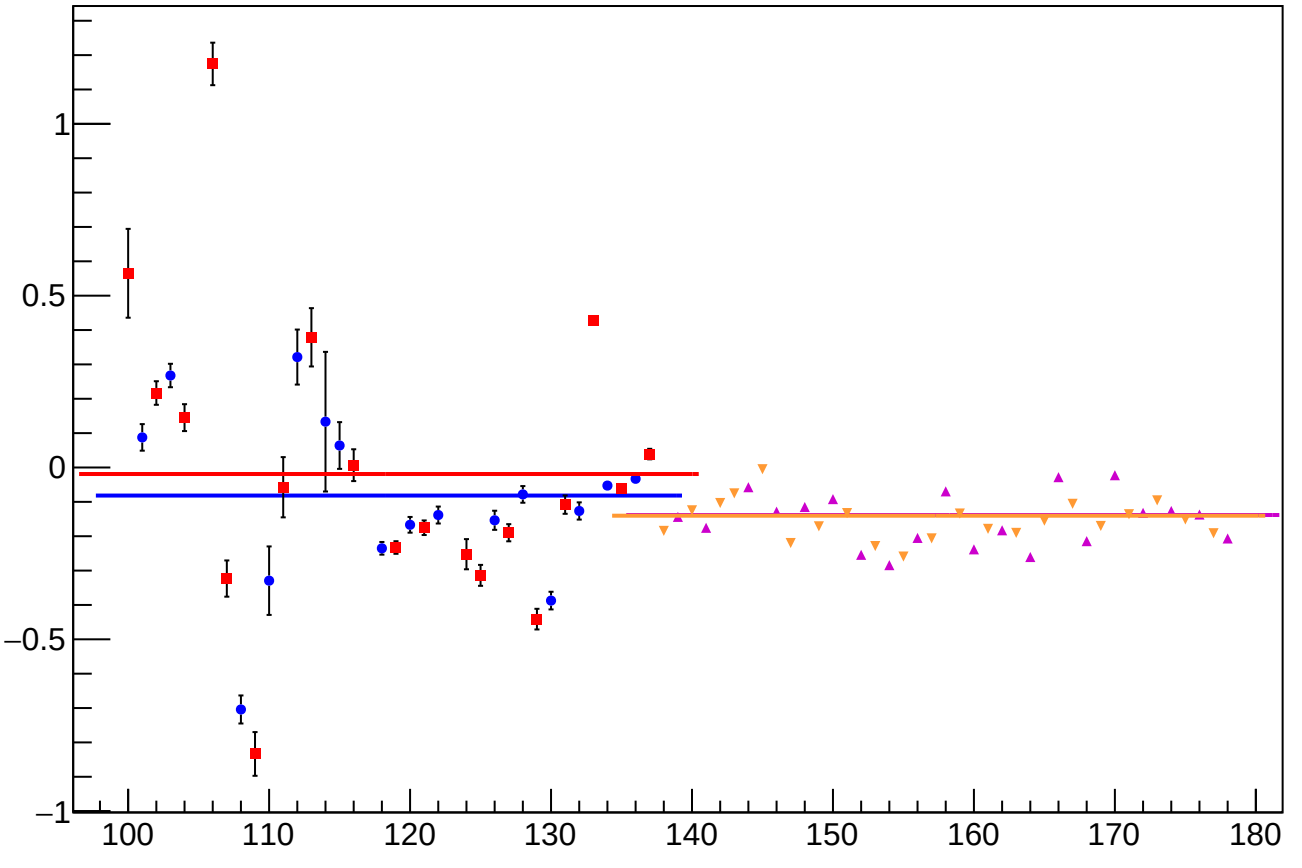
Left: 18.246+/-0.019 χ^2/NDF: 69021.2/40

Right: 32.934+/-0.058 χ^2/NDF: 7737.6/34

In: 19.201+/-0.025 χ^2/NDF:63343.1/35

Out: 20.160+/-0.025 χ^2/NDF:71386.9/39

All: 19.681+/-0.018 χ^2/NDF: 135439.0/75



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: -0.138+/-0.001 χ^2/NDF:3697.9/19

Left: -0.139+/-0.001 χ^2/NDF: 6192.2/40

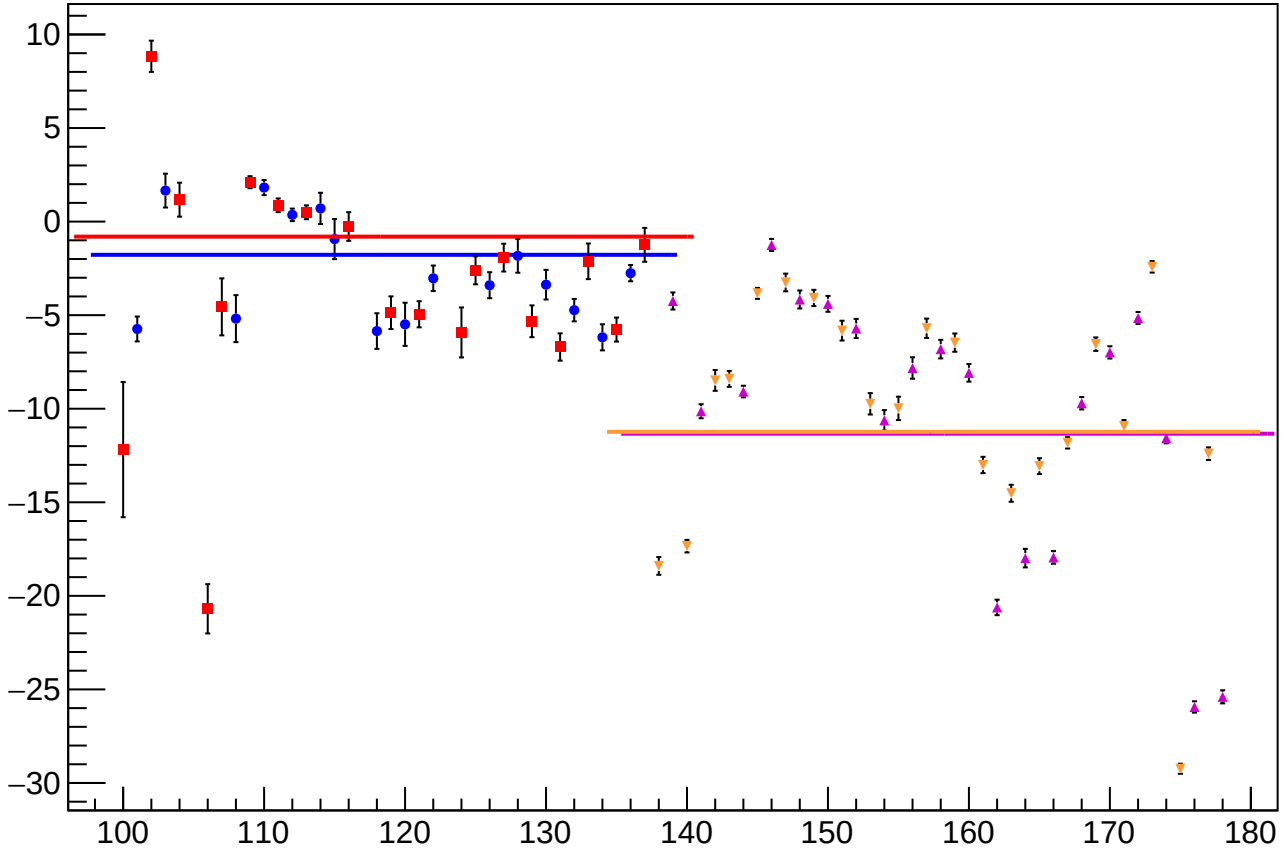
Right: -0.053+/-0.004 χ^2/NDF: 3041.0/34

In: -0.135+/-0.001 χ^2/NDF:4516.6/35

Out: -0.134+/-0.001 χ^2/NDF:5283.4/39

All: -0.135+/-0.001 χ^2/NDF: 9800.3/75

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: -11.335+/-0.085 χ^2/NDF:7618.8/19

Left: -11.285+/-0.060 χ^2/NDF: 15290.3/40

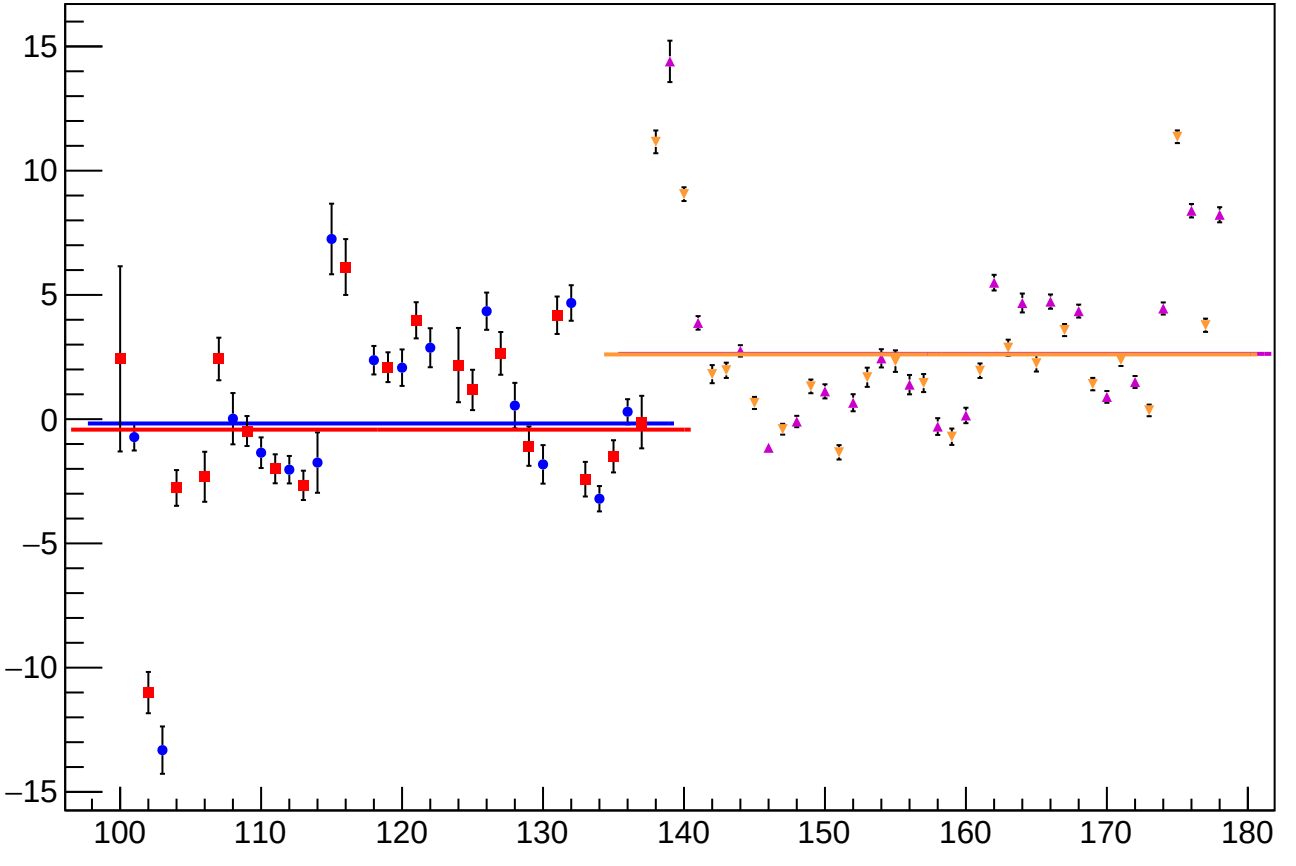
Right: -1.261+/-0.108 χ^2/NDF: 1051.6/34

In: -9.180+/-0.075 χ^2/NDF:10784.0/35

Out: -8.640+/-0.074 χ^2/NDF:12121.1/39

All: -8.908+/-0.053 χ^2/NDF: 22931.5/75

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 2.605+/-0.062 χ^2/NDF:2817.9/20

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

Left In: 2.627+/-0.063 χ^2/NDF:2078.9/19

Left: 2.616+/-0.044 χ^2/NDF: 4896.9/40

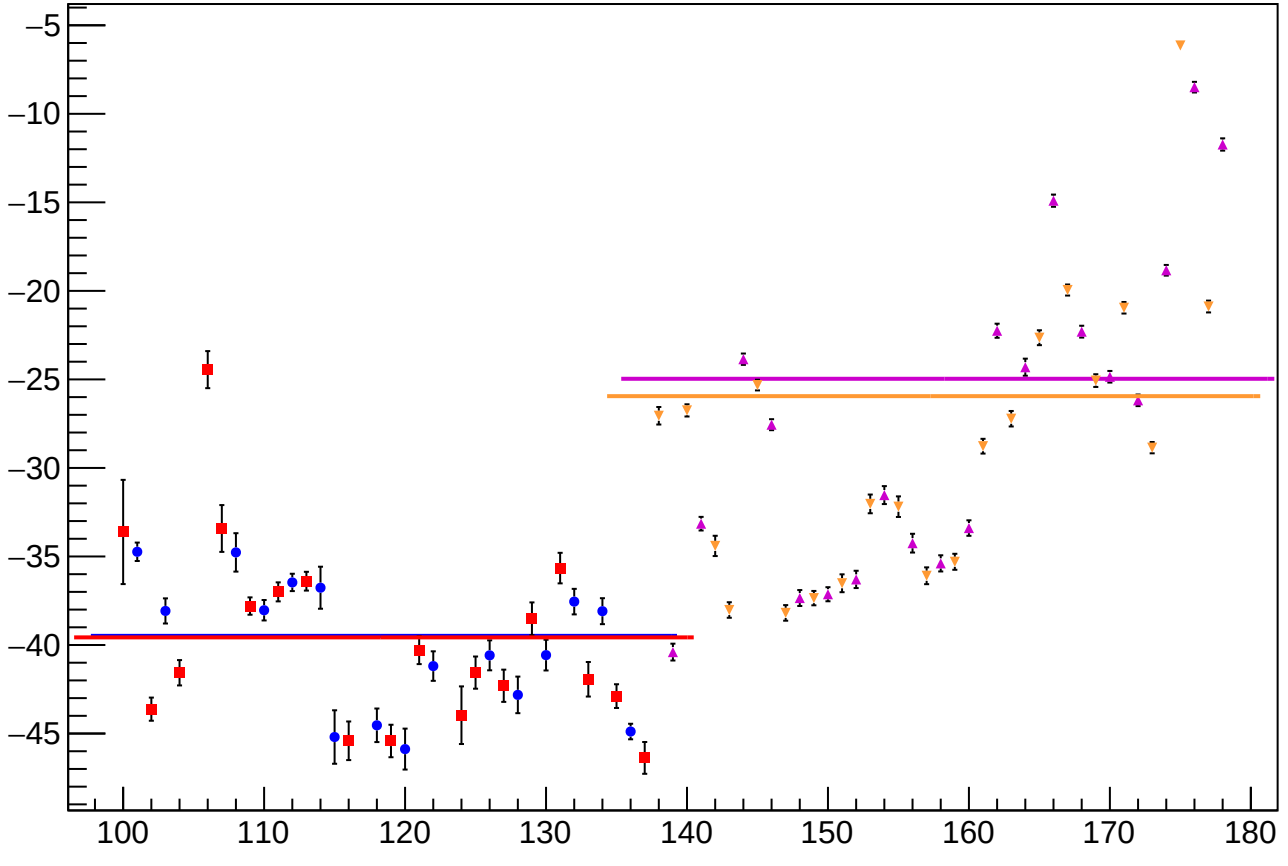
Right: -0.295+/-0.124 χ^2/NDF: 770.4/34

In: 2.301+/-0.059 χ^2/NDF:2713.7/35

Out: 2.271+/-0.059 χ^2/NDF:3443.6/39

All: 2.286+/-0.042 χ^2/NDF: 6157.5/75

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: -24.964+/-0.084 χ^2/NDF:11038.7/19

Left: -25.452+/-0.060 χ^2/NDF: 21624.6/40

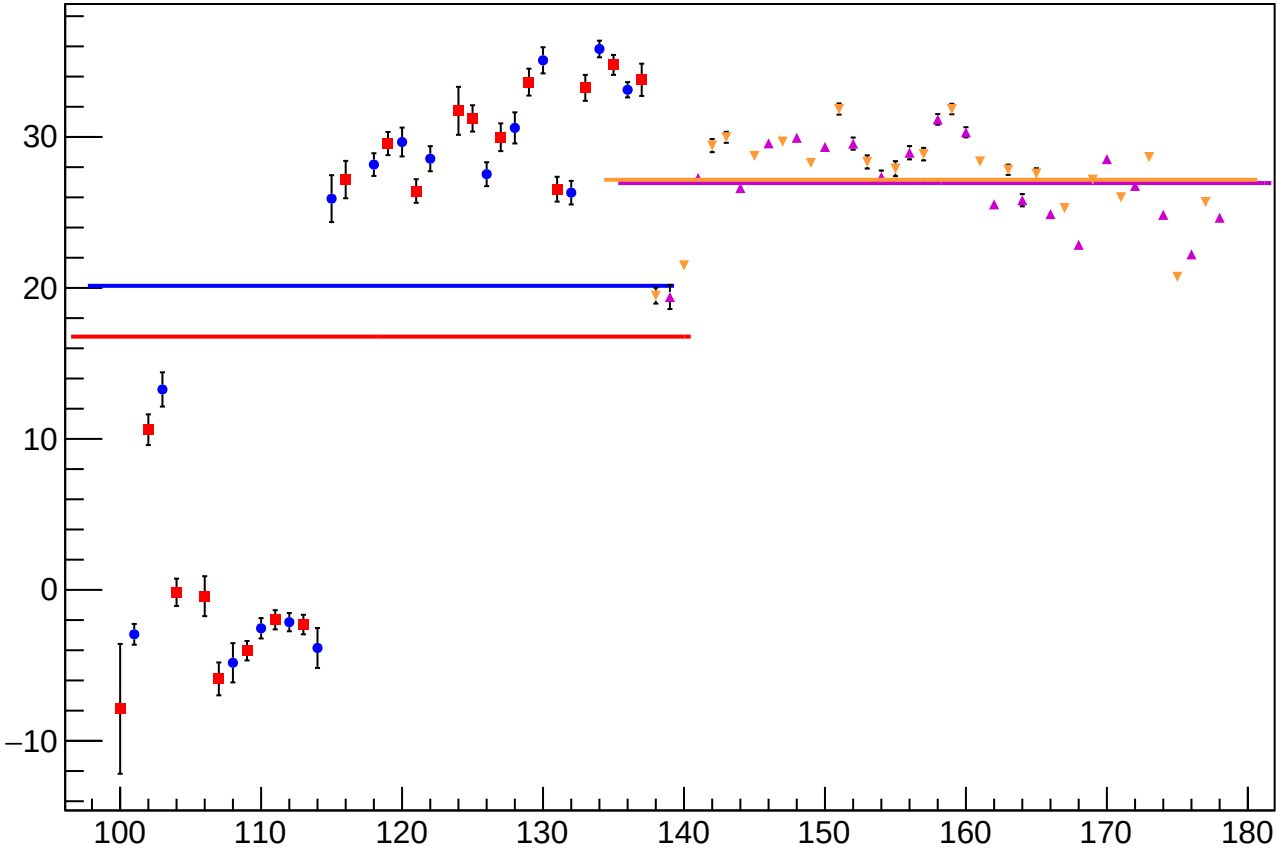
Right: -39.526+/-0.128 χ^2/NDF: 962.9/34

In: -27.564+/-0.076 χ^2/NDF:16776.2/35

Out: -28.397+/-0.077 χ^2/NDF:15719.5/39

All: -27.978+/-0.054 χ^2/NDF: 32554.8/75

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: 26.948+/-0.071 χ^2/NDF:1330.4/19

Left: 27.056+/-0.050 χ^2/NDF: 3138.4/40

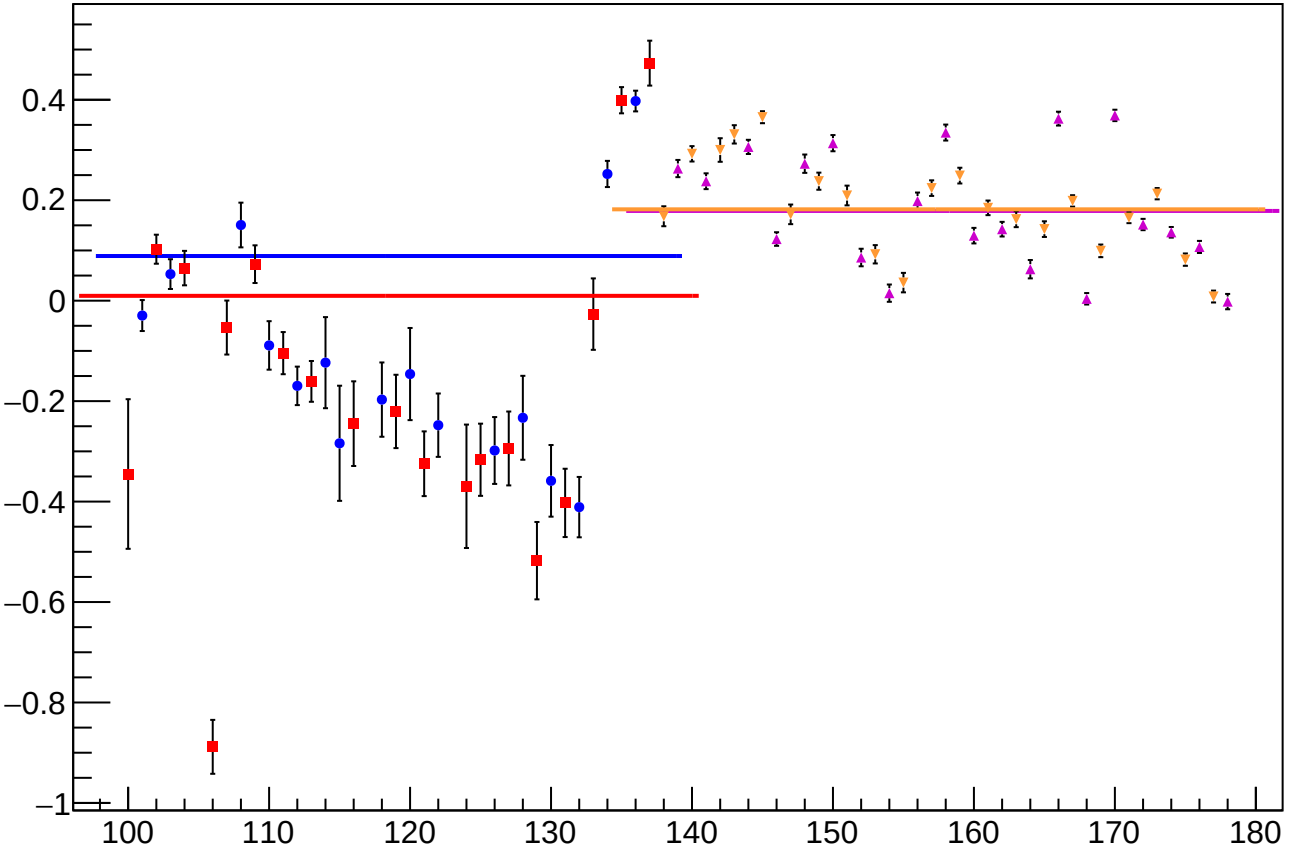
Right: 18.500+/-0.139 χ^2/NDF: 13569.2/34

In: 26.146+/-0.067 χ^2/NDF:9093.6/35

Out: 26.002+/-0.067 χ^2/NDF:10946.0/39

All: 26.074+/-0.047 χ^2/NDF: 20041.9/75

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.182+/-0.003 χ^2/NDF:844.6/20

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

Left In: 0.179+/-0.003 χ^2/NDF:1395.4/19

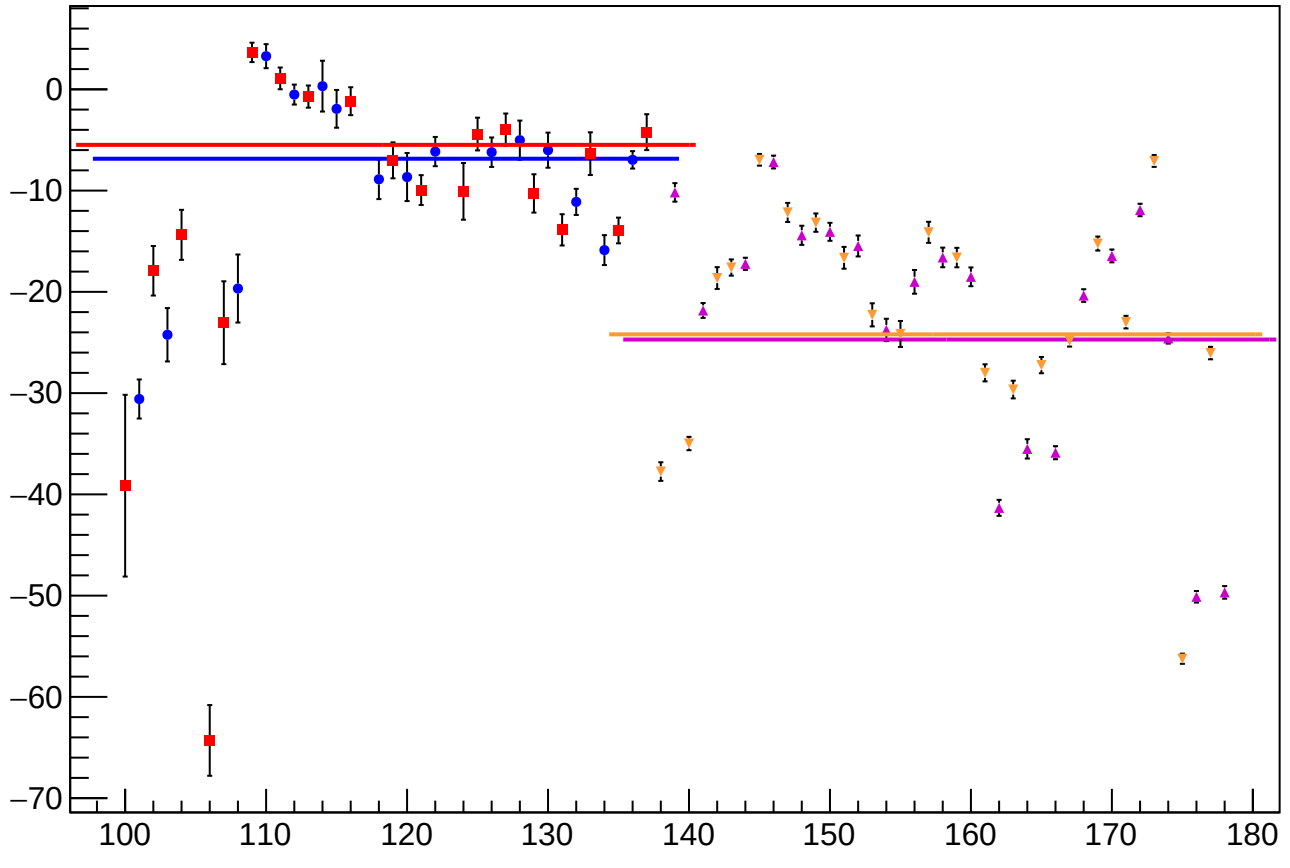
Left: 0.180+/-0.002 χ^2/NDF: 2240.5/40

Right: 0.052+/-0.008 χ^2/NDF: 1426.1/34

In: 0.171+/-0.003 χ^2/NDF:2027.3/35

Out: 0.169+/-0.003 χ^2/NDF:1904.9/39

All: 0.170+/-0.002 χ^2/NDF: 3932.5/75



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: -24.710+/-0.163 χ^2/NDF:6770.6/19

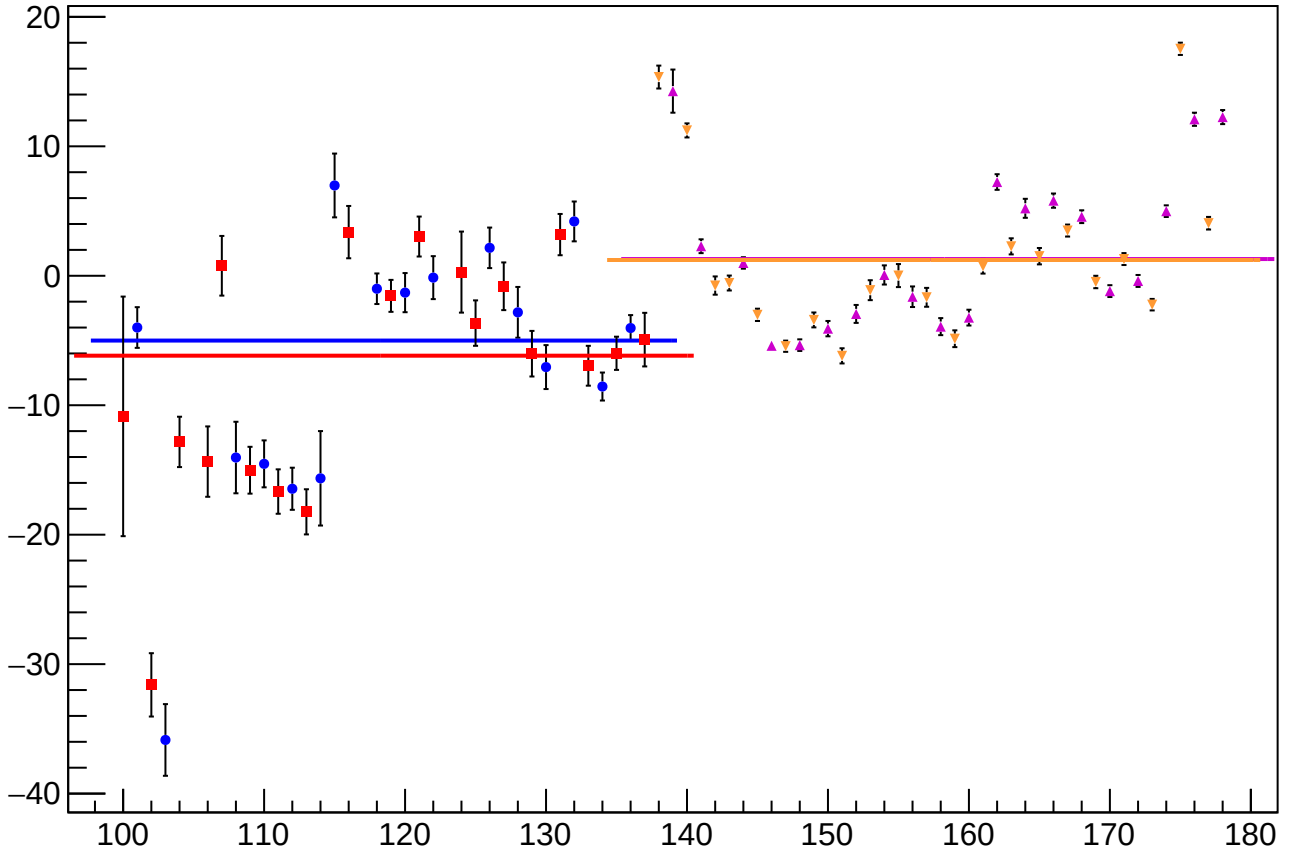
Left: -24.456+/-0.116 χ^2/NDF: 13923.5/40

Right: -6.155+/-0.263 χ^2/NDF: 1003.4/34

In: -21.877+/-0.150 χ^2/NDF:9062.3/35

Out: -21.087+/-0.150 χ^2/NDF:9899.1/39

All: -21.484+/-0.106 χ^2/NDF: 18975.3/75



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: 1.293+/-0.121 χ^2/NDF:2061.7/19

Left: 1.256+/-0.086 χ^2/NDF: 4642.0/40

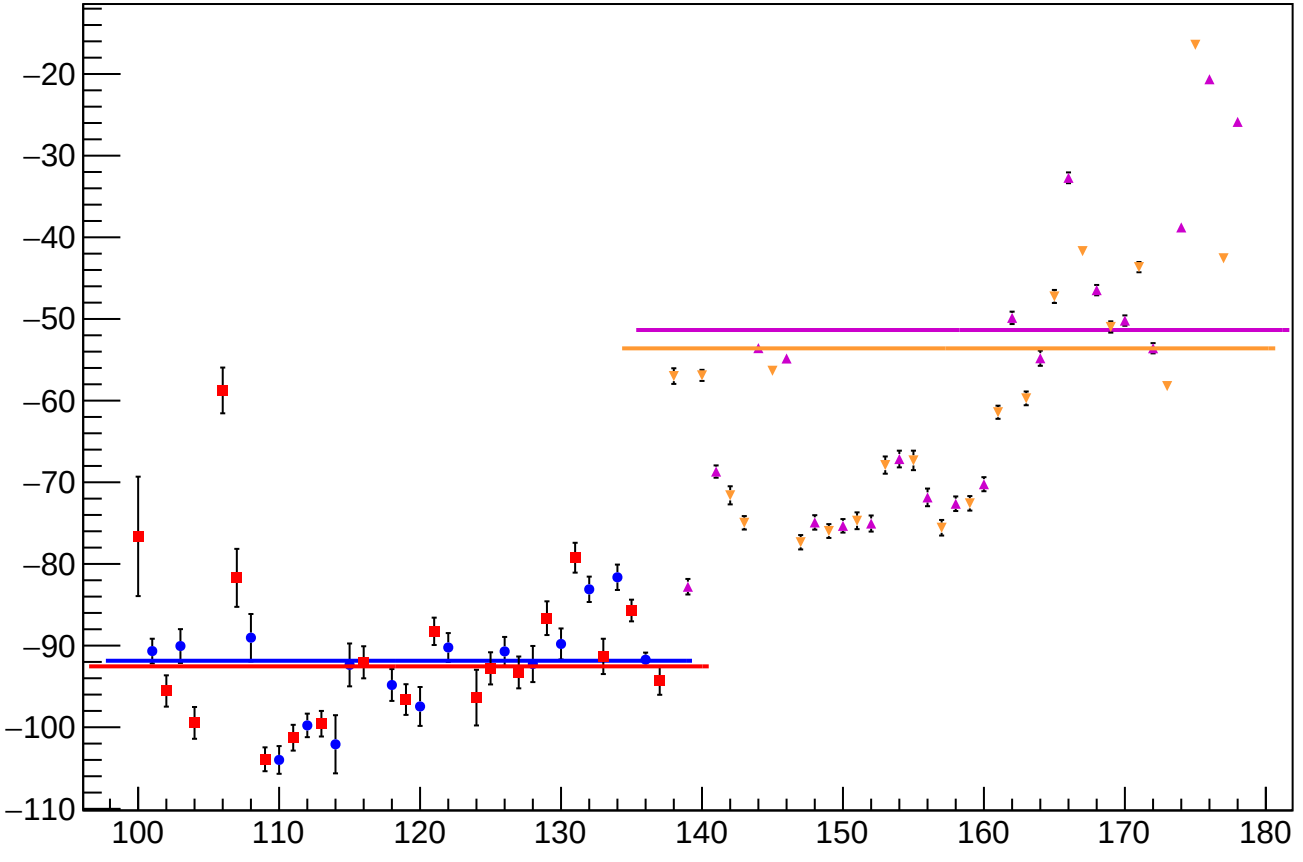
Right: -5.558+/-0.287 χ^2/NDF: 715.0/34

In: 0.751+/-0.116 χ^2/NDF:2635.3/35

Out: 0.642+/-0.116 χ^2/NDF:3239.6/39

All: 0.697+/-0.082 χ^2/NDF: 5875.4/75

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -91.856+/-0.424 χ^2/NDF: 177.3/15

Left Out: -53.600+/-0.164 χ^2/NDF:10839.5/20

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

Left In: -51.351+/-0.162 χ^2/NDF:11496.4/19

Left: -52.464+/-0.115 χ^2/NDF: 22431.1/40

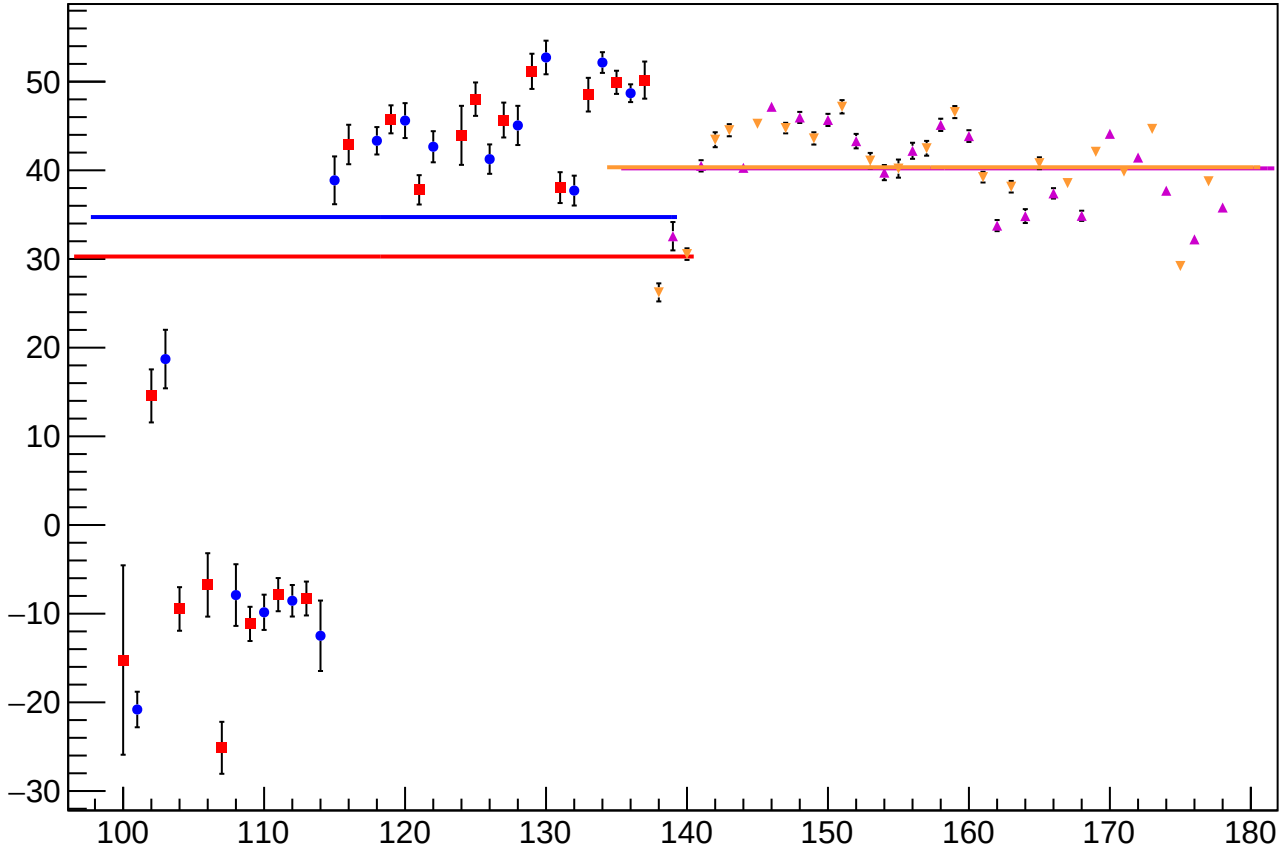
Right: -92.188+/-0.305 χ^2/NDF: 566.3/34

In: -56.522+/-0.152 χ^2/NDF:19633.2/35

Out: -58.357+/-0.154 χ^2/NDF:18127.9/39

All: -57.428+/-0.108 χ^2/NDF: 37833.4/75

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: 40.219+/-0.137 χ^2/NDF:1122.6/19

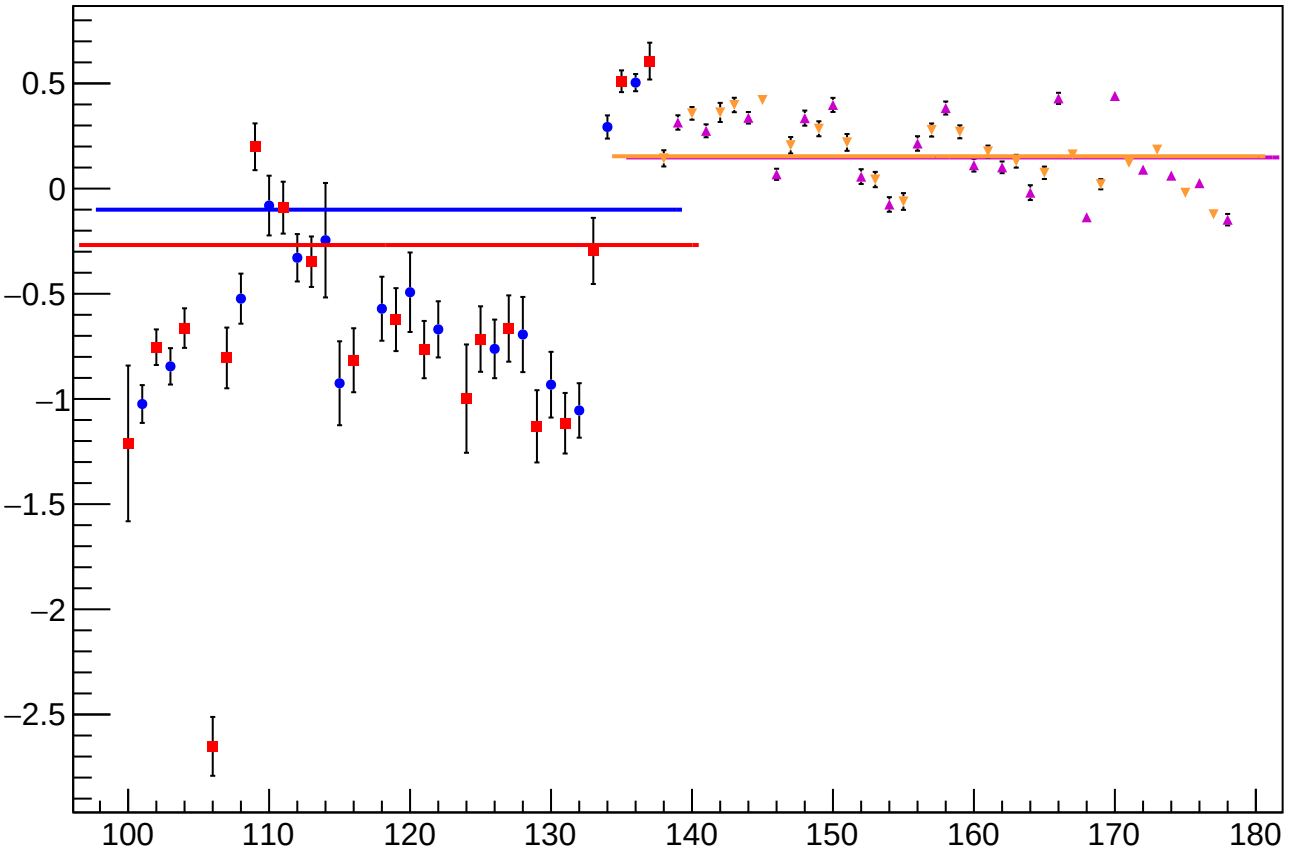
Left: 40.282+/-0.097 χ^2/NDF: 2552.2/40

Right: 32.627+/-0.321 χ^2/NDF: 5768.2/34

In: 39.737+/-0.131 χ^2/NDF:4072.5/35

Out: 39.546+/-0.132 χ^2/NDF:4767.8/39

All: 39.642+/-0.093 χ^2/NDF: 8841.4/75



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: 0.148+/-0.006 χ^2/NDF:950.8/19

Left: 0.151+/-0.004 χ^2/NDF: 1547.0/40

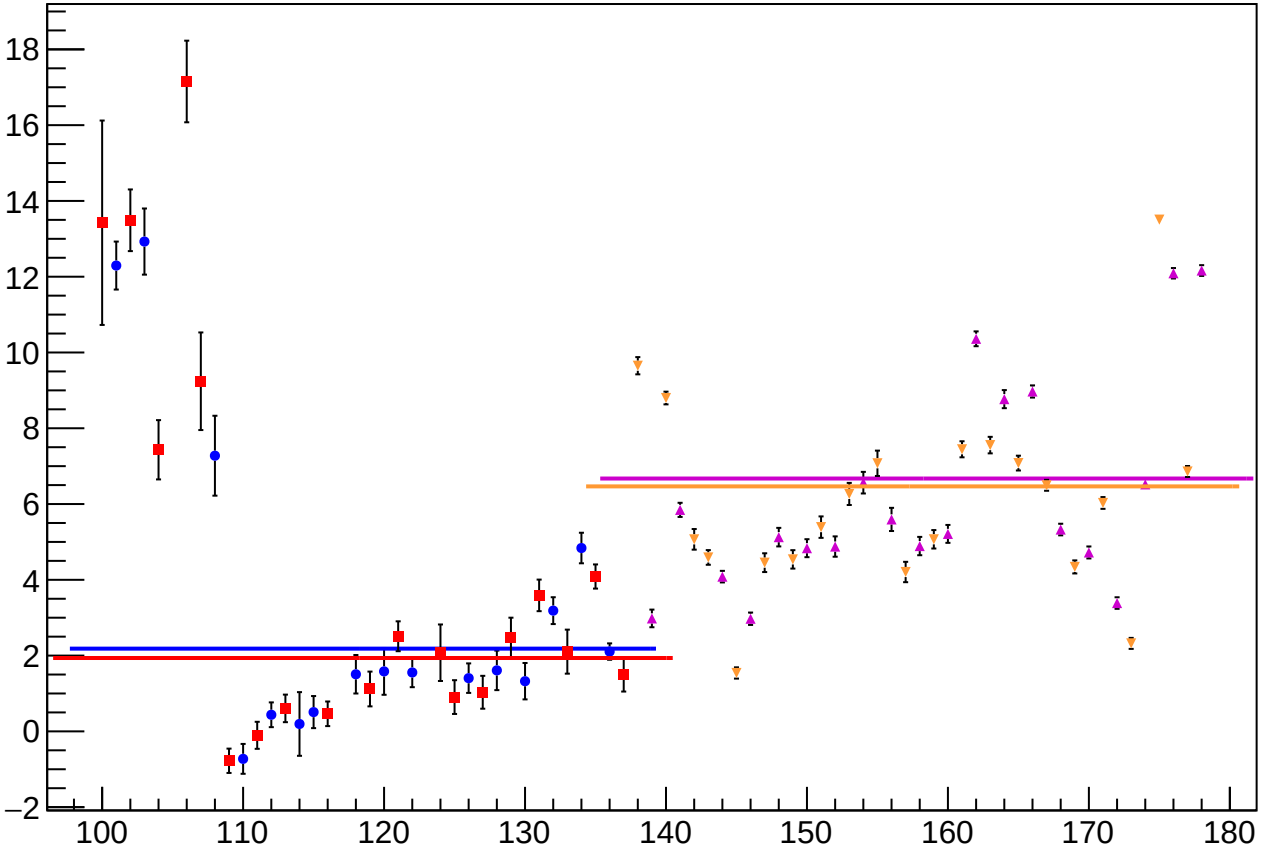
Right: -0.176+/-0.018 χ^2/NDF: 1476.0/34

In: 0.133+/-0.006 χ^2/NDF:1682.6/35

Out: 0.132+/-0.006 χ^2/NDF:1661.4/39

All: 0.132+/-0.004 χ^2/NDF: 3344.0/75

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: 6.673+/-0.041 χ^2/NDF:5698.3/19

Left: 6.571+/-0.029 χ^2/NDF: 12003.0/40

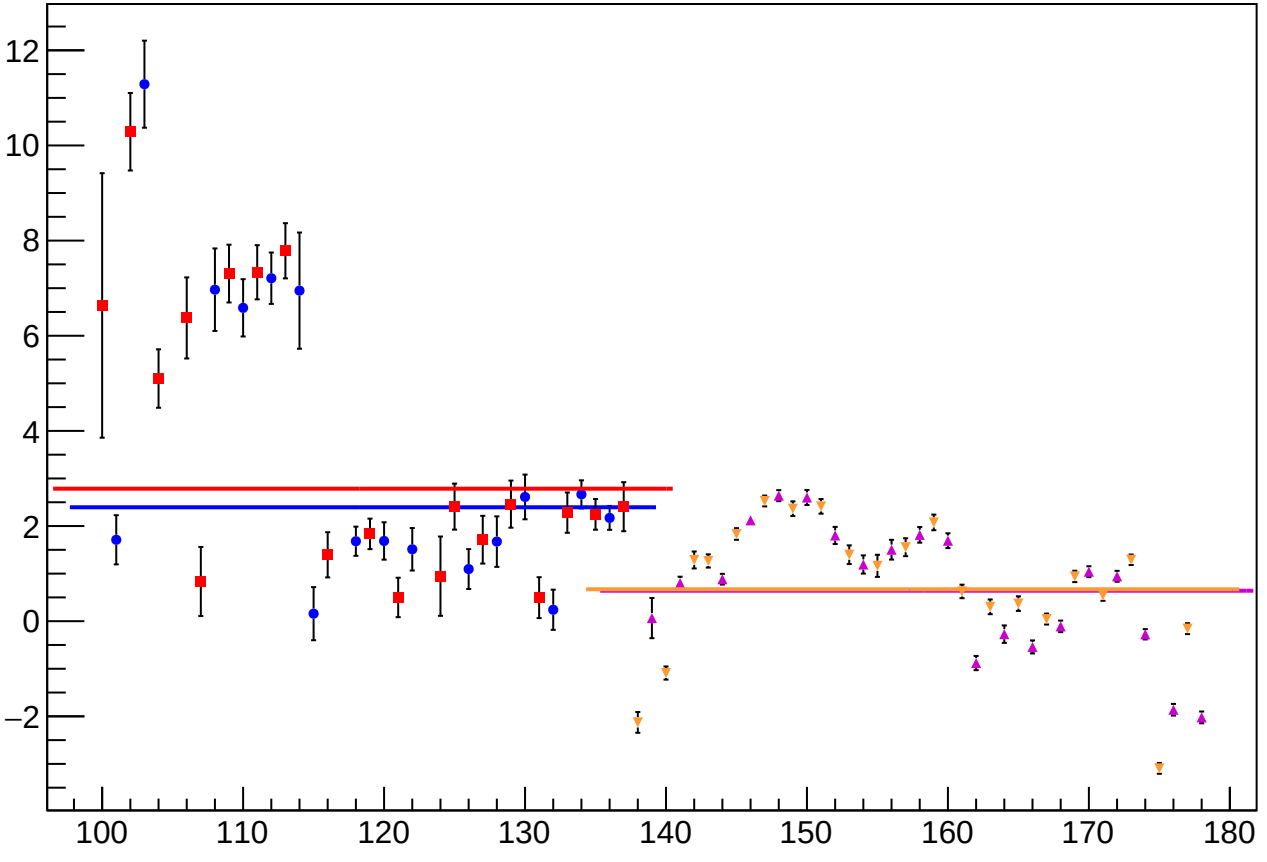
Right: 2.061+/-0.074 χ^2/NDF: 1319.2/34

In: 6.091+/-0.038 χ^2/NDF:7889.3/35

Out: 5.870+/-0.038 χ^2/NDF:8610.3/39

All: 5.982+/-0.027 χ^2/NDF: 16516.4/75

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: 0.641+/-0.030 χ^2/NDF:2078.5/19

Left: 0.656+/-0.021 χ^2/NDF: 4377.9/40

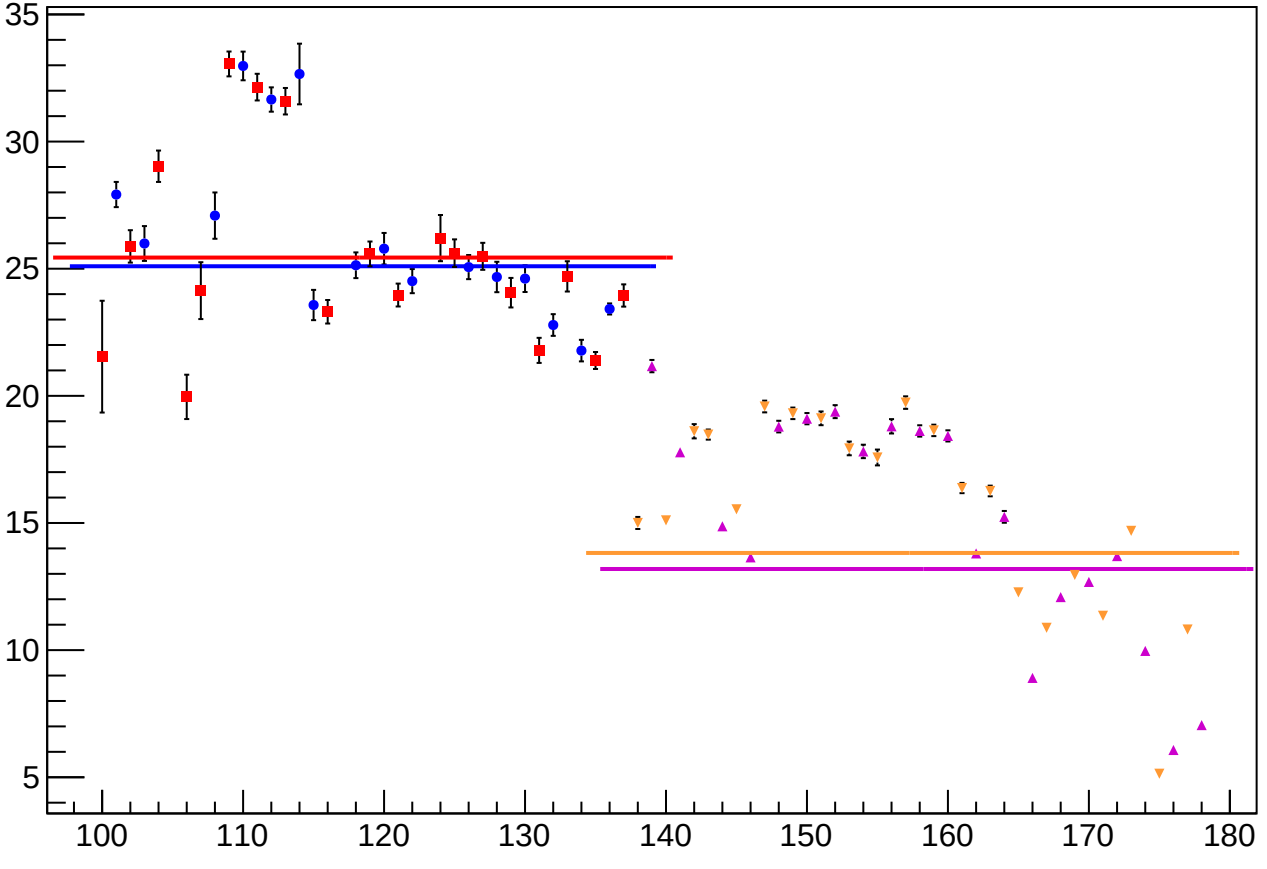
Right: 2.577+/-0.079 χ^2/NDF: 750.9/34

In: 0.768+/-0.029 χ^2/NDF:2655.5/35

Out: 0.807+/-0.029 χ^2/NDF:3021.1/39

All: 0.787+/-0.021 χ^2/NDF: 5677.5/75

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: 13.191+/-0.040 χ^2/NDF:11599.3/19

Left: 13.502+/-0.029 χ^2/NDF: 22418.1/40

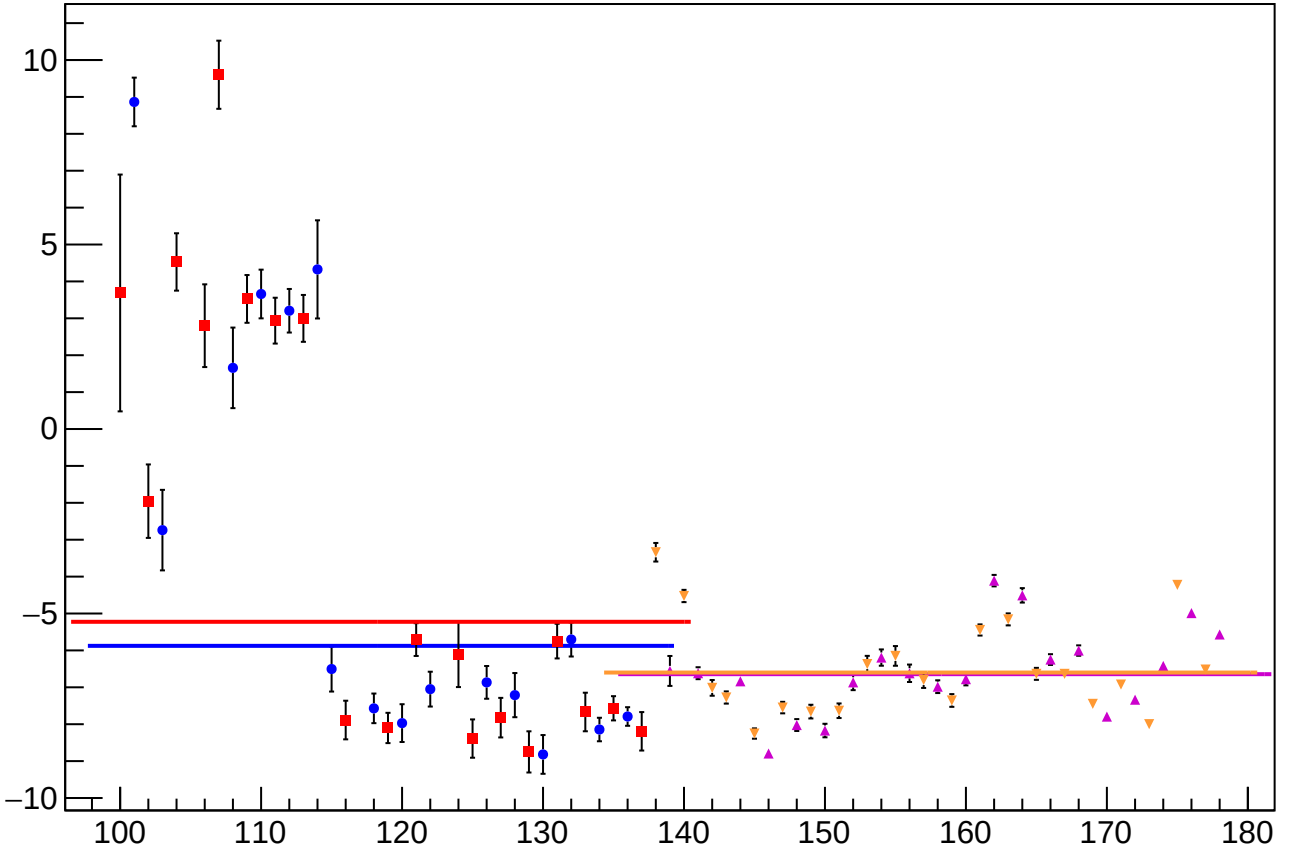
Right: 25.258+/-0.085 χ^2/NDF: 1504.5/34

In: 14.446+/-0.038 χ^2/NDF:21400.7/35

Out: 14.960+/-0.039 χ^2/NDF:19488.9/39

All: 14.698+/-0.027 χ^2/NDF: 40978.6/75

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: -6.644+/-0.034 χ^2/NDF:1236.5/19

Left: -6.622+/-0.024 χ^2/NDF: 2561.7/40

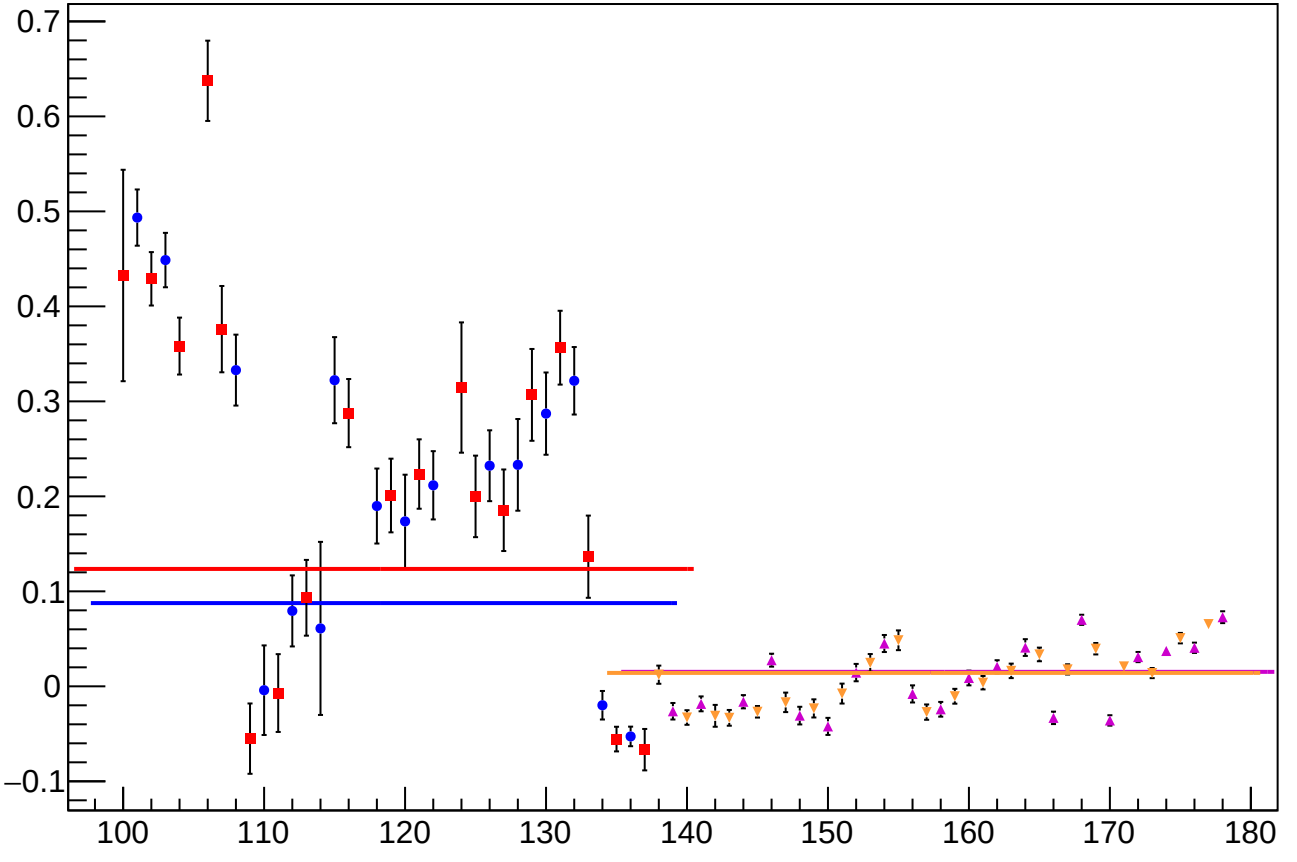
Right: -5.573+/-0.088 χ^2/NDF: 2556.9/34

In: -6.587+/-0.033 χ^2/NDF:2525.4/35

Out: -6.510+/-0.033 χ^2/NDF:2721.8/39

All: -6.549+/-0.023 χ^2/NDF: 5249.9/75

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.088+/-0.007 χ^2/NDF: 768.0/15

Left Out: 0.014+/-0.002 χ^2/NDF:382.8/20

Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: 0.015+/-0.002 χ^2/NDF:567.9/19

Left: 0.015+/-0.001 χ^2/NDF: 950.9/40

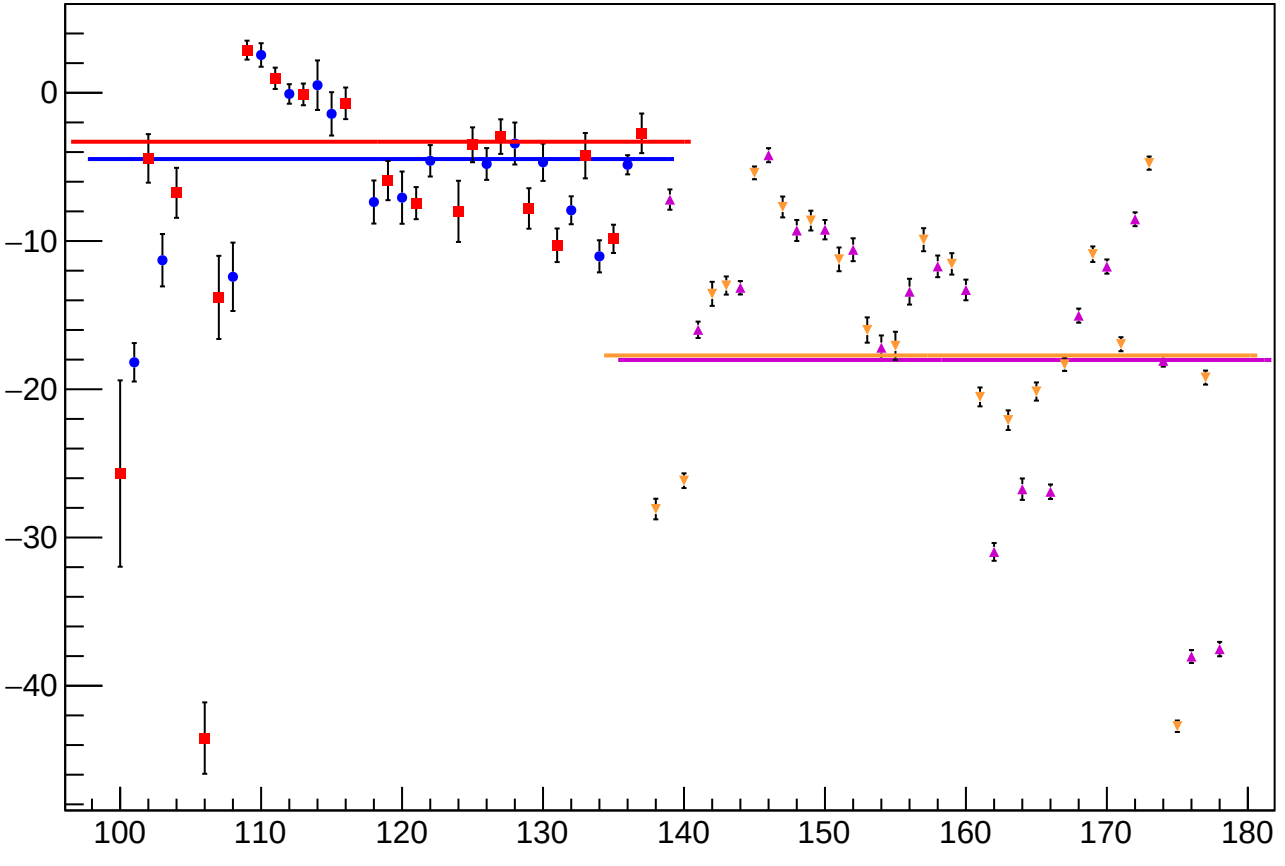
Right: 0.104+/-0.005 χ^2/NDF: 1543.6/34

In: 0.019+/-0.001 χ^2/NDF:1450.3/35

Out: 0.019+/-0.002 χ^2/NDF:1358.7/39

All: 0.019+/-0.001 χ^2/NDF: 2809.0/75

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: -18.023+/-0.124 χ^2/NDF:7081.8/19

Left: -17.872+/-0.088 χ^2/NDF: 14442.8/40

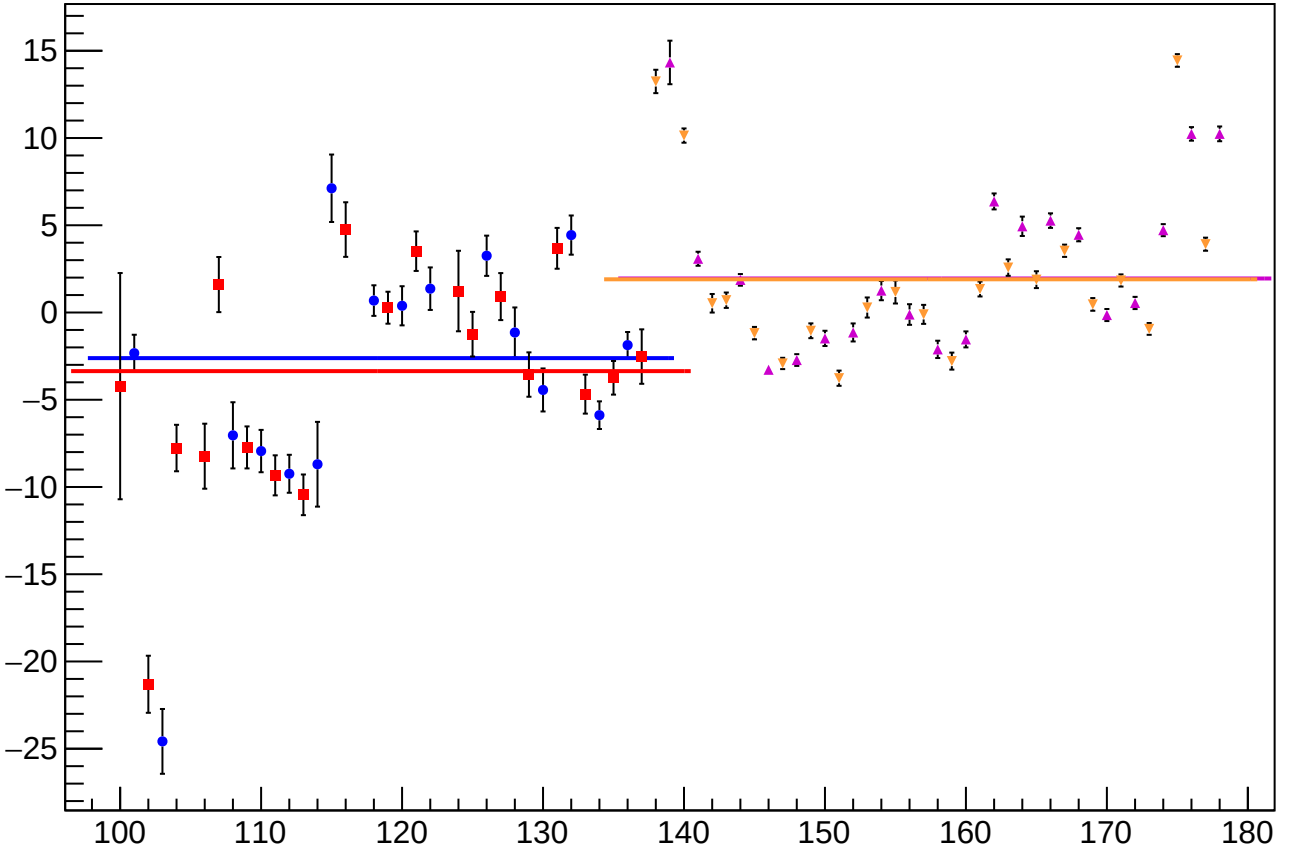
Right: -3.869+/-0.187 χ^2/NDF: 926.1/34

In: -15.656+/-0.112 χ^2/NDF:9517.4/35

Out: -15.040+/-0.112 χ^2/NDF:10430.0/39

All: -15.348+/-0.079 χ^2/NDF: 19962.4/75

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 1.903+/-0.091 χ^2/NDF:2664.7/20

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

Left In: 1.950+/-0.092 χ^2/NDF:2061.3/19

Left: 1.926+/-0.065 χ^2/NDF: 4726.2/40

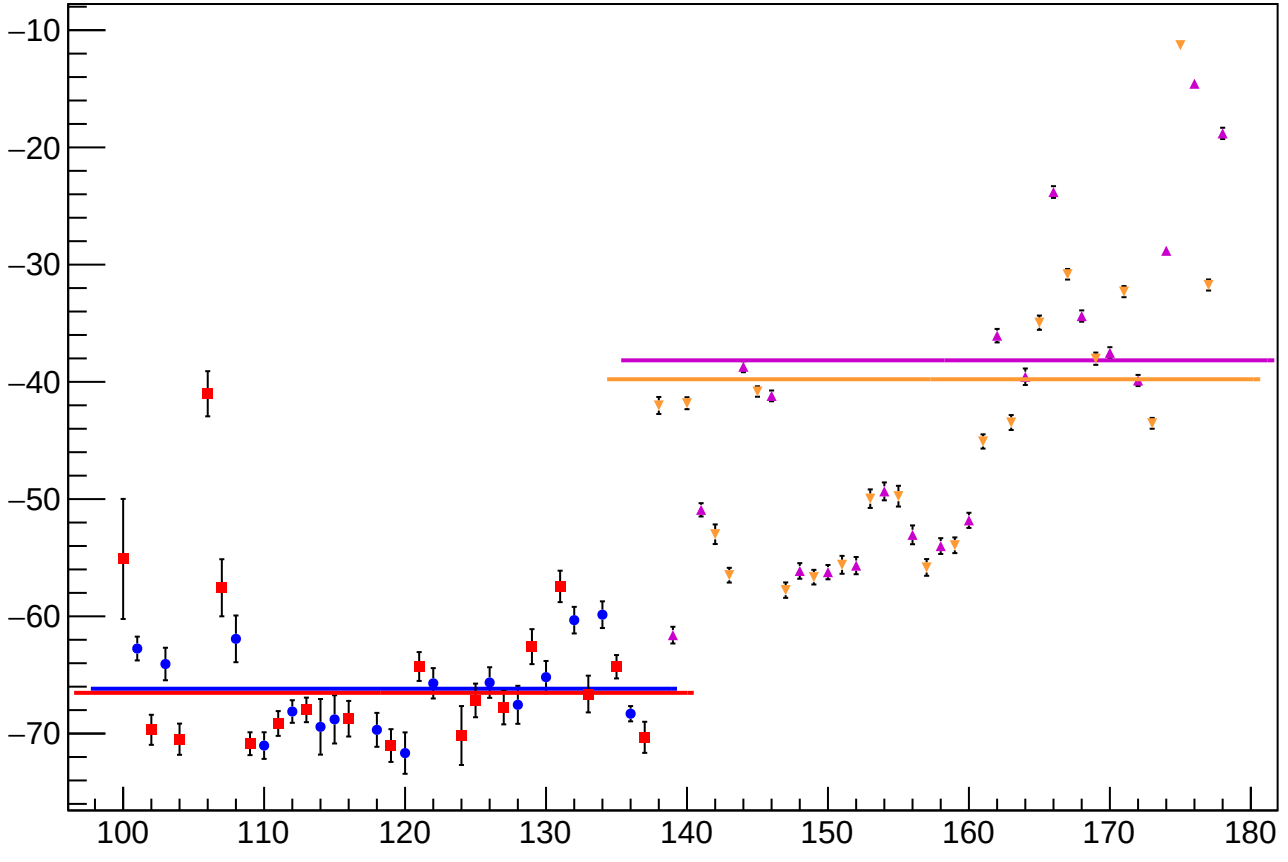
Right: -2.970+/-0.206 χ^2/NDF: 714.8/34

In: 1.523+/-0.087 χ^2/NDF:2644.6/35

Out: 1.451+/-0.087 χ^2/NDF:3308.0/39

All: 1.487+/-0.062 χ^2/NDF: 5952.9/75

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: -38.163+/-0.123 χ^2/NDF:11376.7/19

Left: -38.964+/-0.087 χ^2/NDF: 22239.6/40

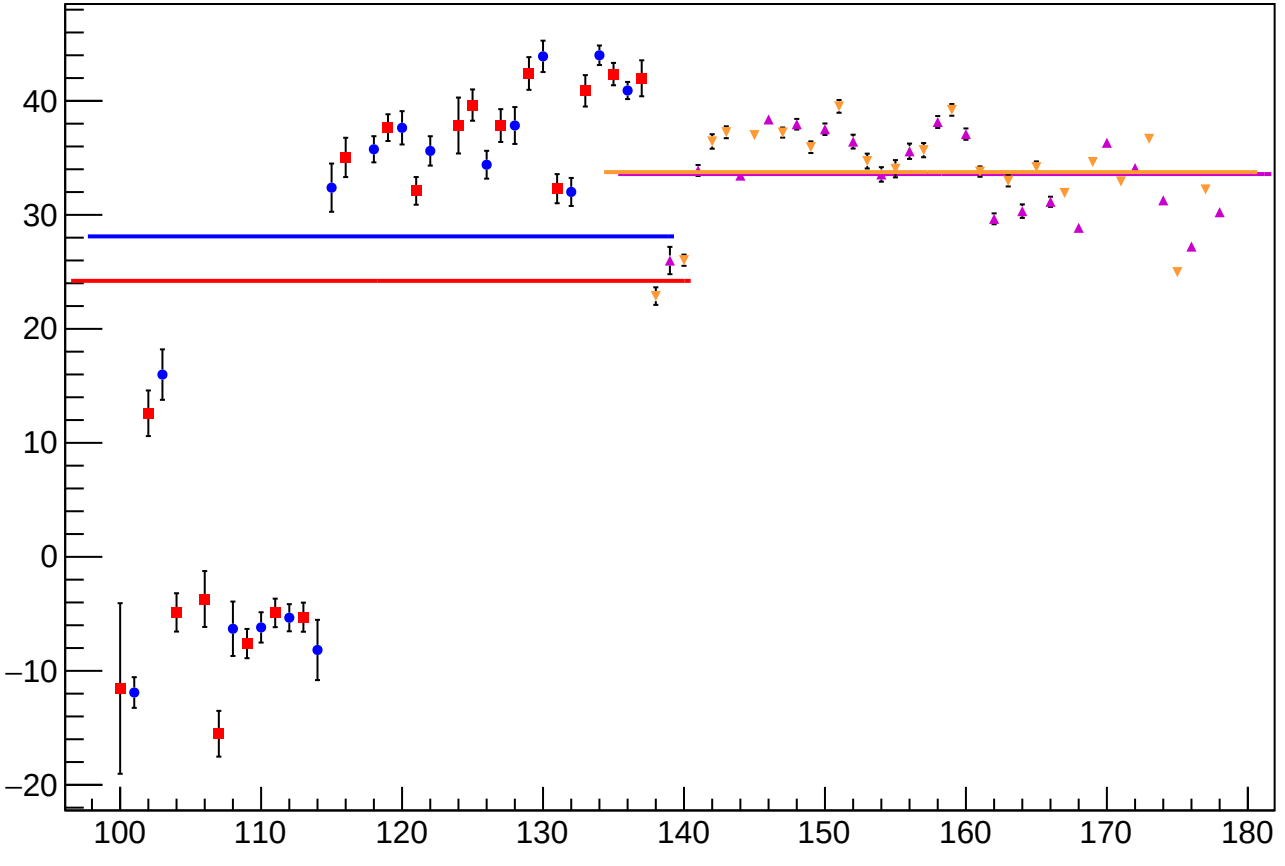
Right: -66.346+/-0.218 χ^2/NDF: 451.5/34

In: -42.084+/-0.114 χ^2/NDF:18793.0/35

Out: -43.411+/-0.115 χ^2/NDF:17431.0/39

All: -42.740+/-0.081 χ^2/NDF: 36291.2/75

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: 33.581+/-0.104 χ^2/NDF:1157.3/19

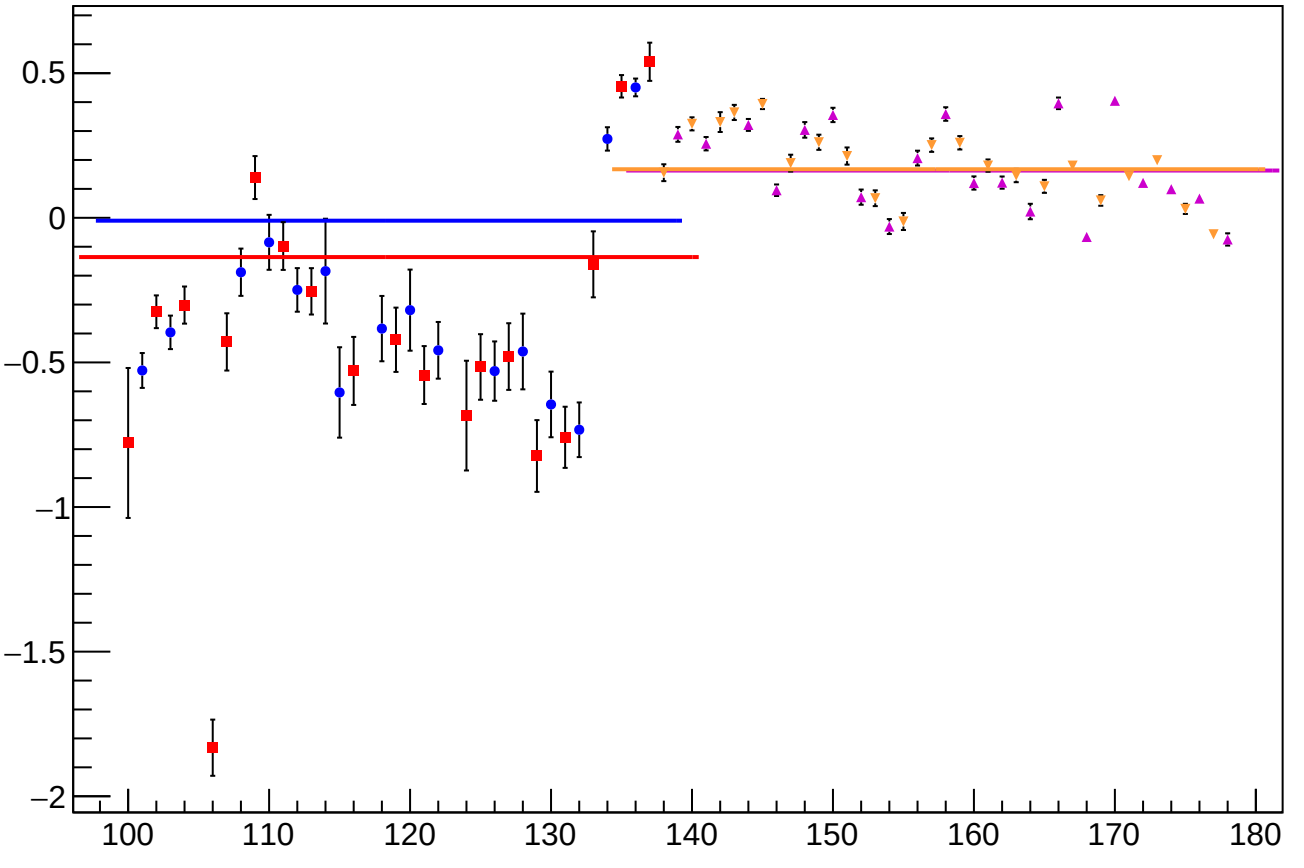
Left: 33.666+/-0.073 χ^2/NDF: 2685.1/40

Right: 26.255+/-0.232 χ^2/NDF: 7640.1/34

In: 33.060+/-0.099 χ^2/NDF:5149.3/35

Out: 32.921+/-0.099 χ^2/NDF:6105.8/39

All: 32.991+/-0.070 χ^2/NDF: 11256.1/75



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: 0.163+/-0.005 χ^2/NDF:1096.0/19

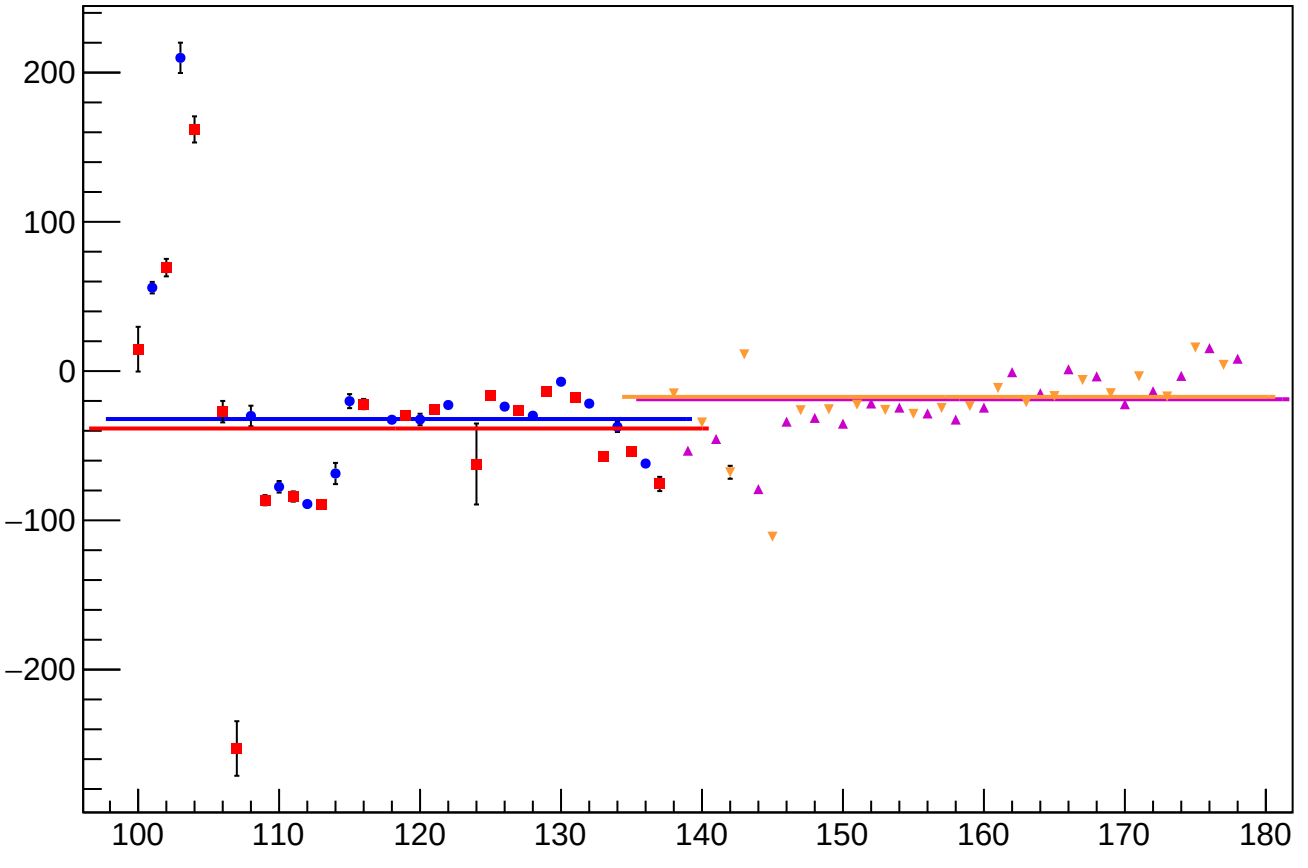
Left: 0.166+/-0.003 χ^2/NDF: 1773.7/40

Right: -0.068+/-0.013 χ^2/NDF: 1430.0/34

In: 0.152+/-0.004 χ^2/NDF:1776.8/35

Out: 0.150+/-0.005 χ^2/NDF:1740.8/39

All: 0.151+/-0.003 χ^2/NDF: 3517.7/75



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: -18.872+/-0.592 χ^2/NDF:1429.0/19

Left: -18.080+/-0.420 χ^2/NDF: 3039.3/40

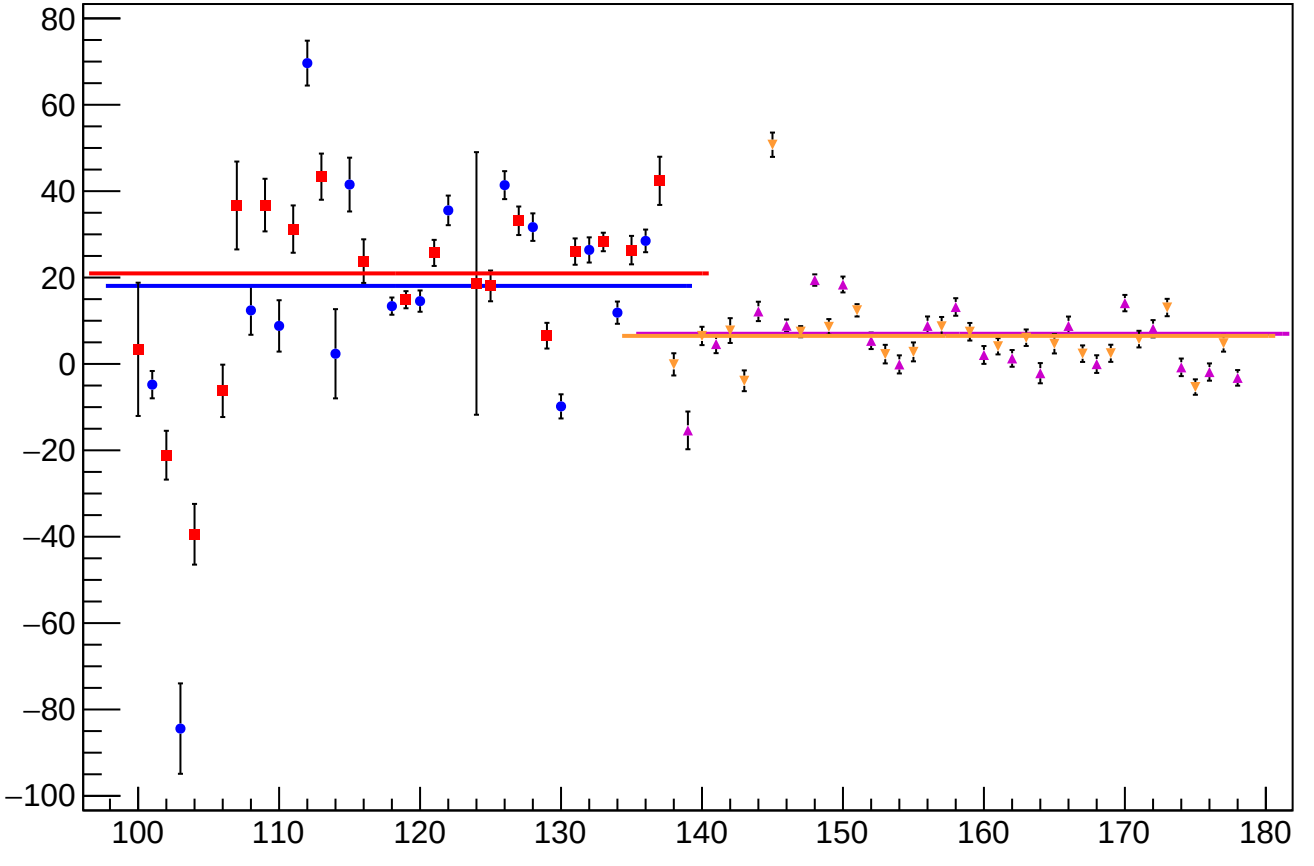
Right: -35.208+/-0.603 χ^2/NDF: 3877.6/34

In: -23.249+/-0.484 χ^2/NDF:3471.9/35

Out: -24.103+/-0.491 χ^2/NDF:3986.3/39

All: -23.671+/-0.345 χ^2/NDF: 7459.7/75

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 6.496+/-0.428 χ^2/NDF:366.1/20

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

Left In: 6.982+/-0.437 χ^2/NDF:306.6/19

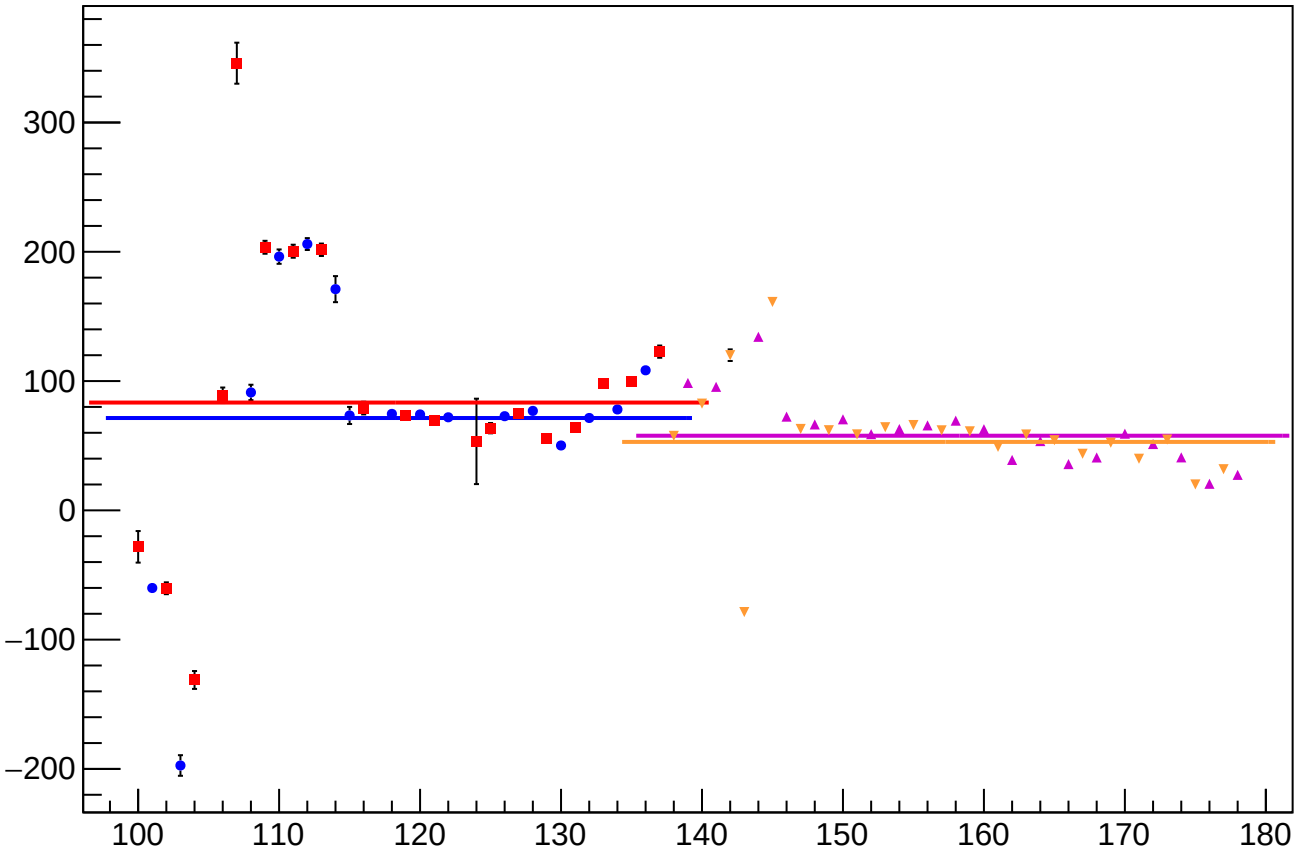
Left: 6.734+/-0.306 χ^2/NDF: 673.3/40

Right: 19.435+/-0.597 χ^2/NDF: 768.0/34

In: 9.422+/-0.386 χ^2/NDF:947.8/35

Out: 9.326+/-0.384 χ^2/NDF:851.8/39

All: 9.373+/-0.272 χ^2/NDF: 1799.7/75



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: 57.727+/-0.583 χ^2/NDF:1868.5/19

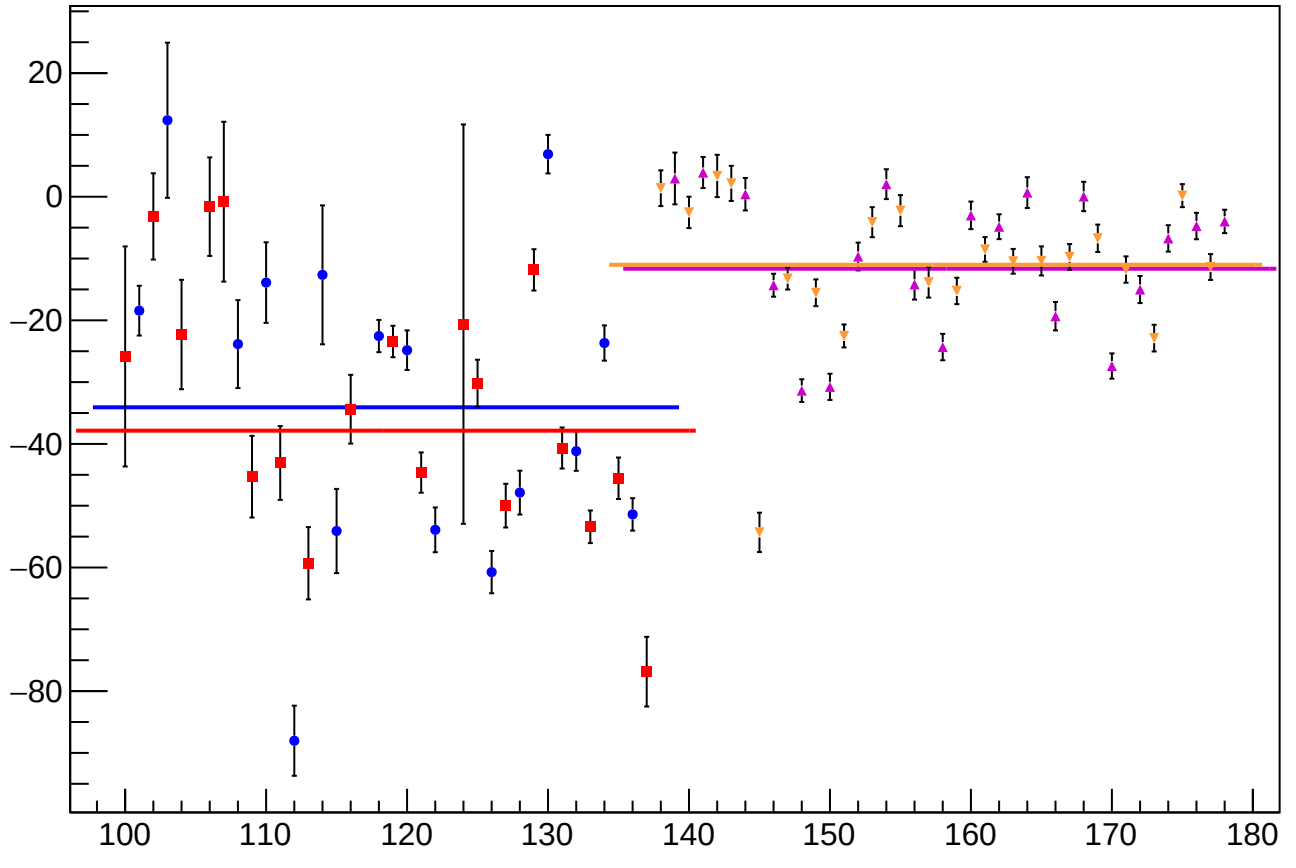
Left: 55.345+/-0.413 χ^2/NDF: 5386.5/40

Right: 77.066+/-0.677 χ^2/NDF: 9194.8/34

In: 61.579+/-0.494 χ^2/NDF:6843.5/35

Out: 60.893+/-0.504 χ^2/NDF:8487.3/39

All: 61.243+/-0.353 χ^2/NDF: 15331.8/75



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: -11.651+/-0.496 χ^2/NDF:519.5/19

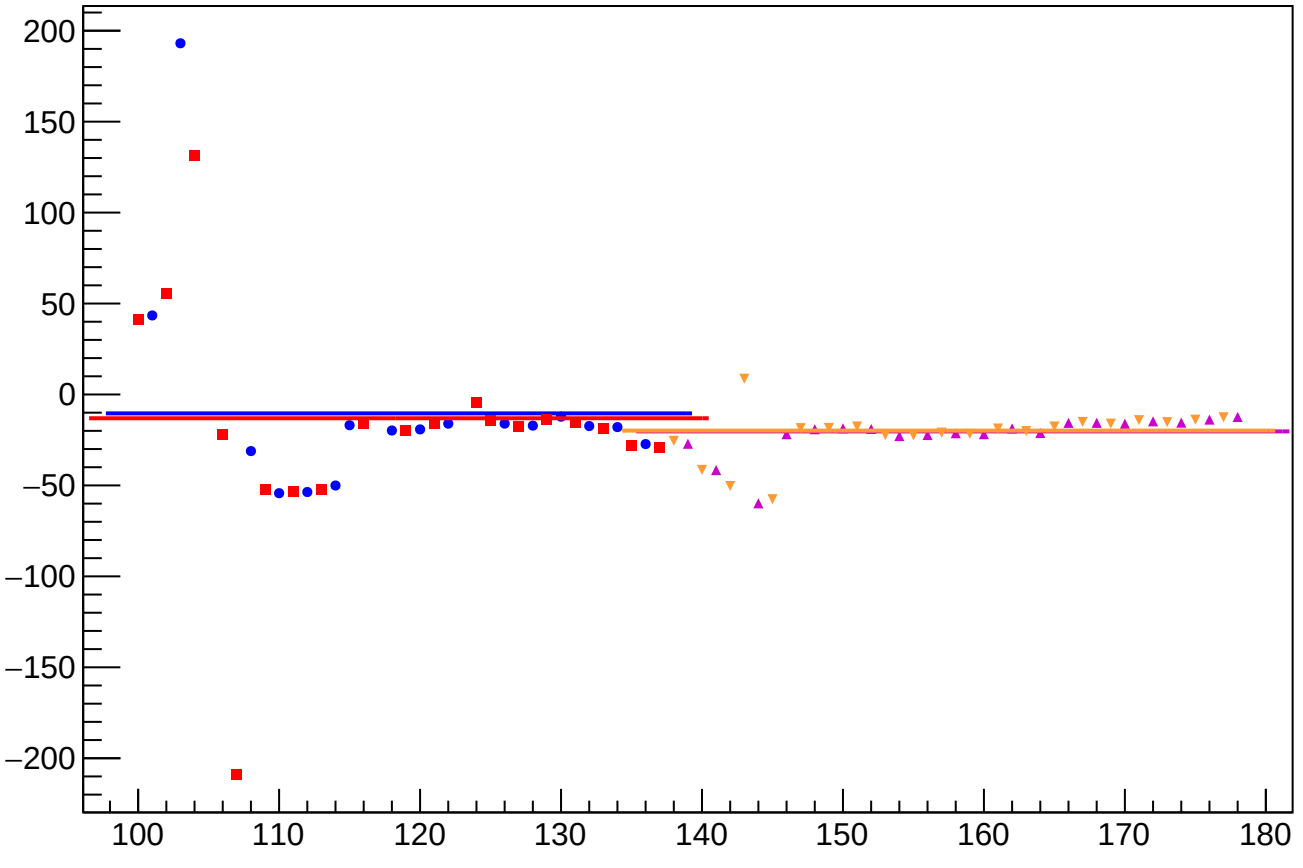
Left: -11.325+/-0.348 χ^2/NDF: 915.6/40

Right: -35.865+/-0.684 χ^2/NDF: 793.4/34

In: -16.520+/-0.439 χ^2/NDF:1474.2/35

Out: -16.243+/-0.439 χ^2/NDF:1257.4/39

All: -16.382+/-0.310 χ^2/NDF: 2731.8/75



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: -20.303+/-0.022 χ^2/NDF:145813.5/19

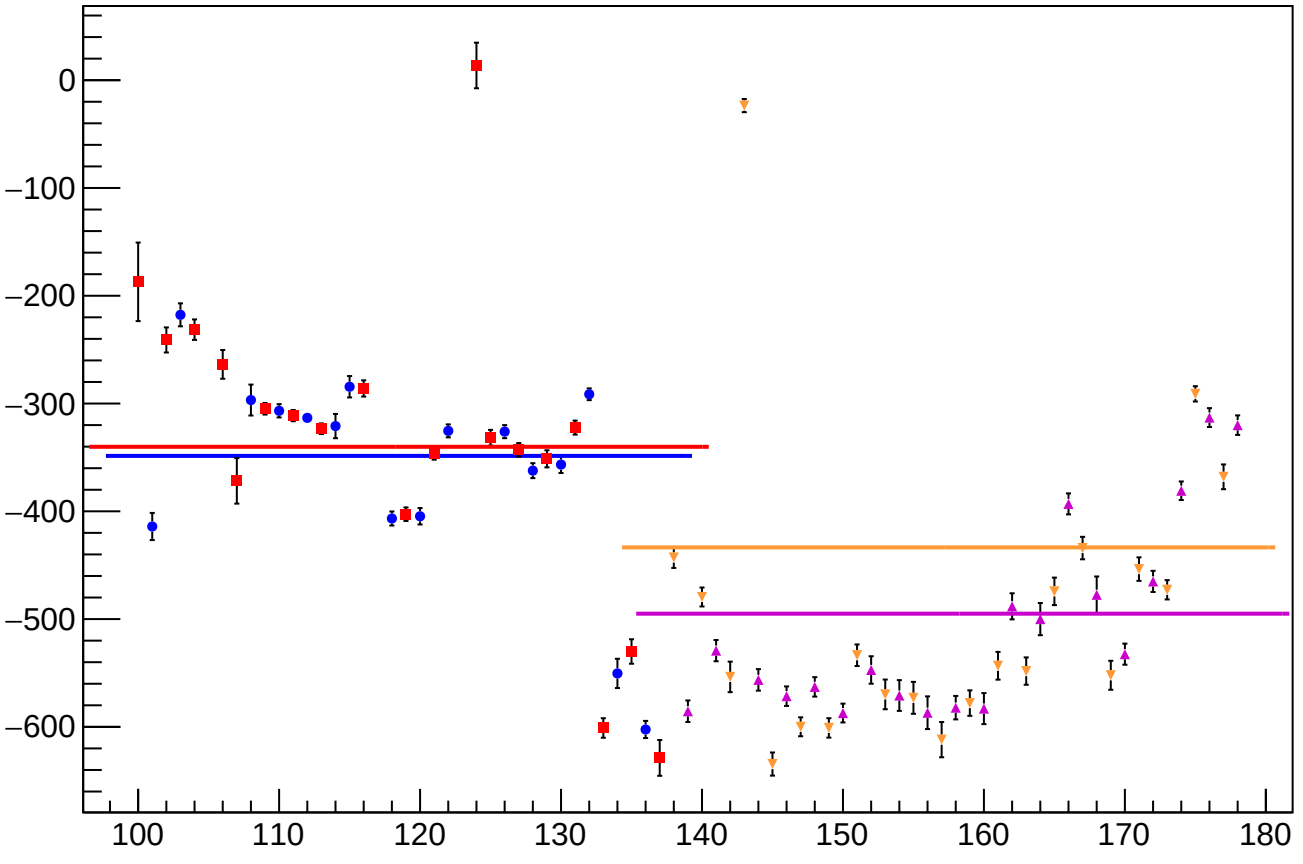
Left: -20.085+/-0.016 χ^2/NDF: 365283.7/40

Right: -11.607+/-0.042 χ^2/NDF: 972944.0/34

In: -19.024+/-0.020 χ^2/NDF:694599.7/35

Out: -19.114+/-0.021 χ^2/NDF:679342.3/39

All: -19.068+/-0.015 χ^2/NDF: 1373951.6/75



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: -494.978+/-2.348 χ^2/NDF:1668.4/19

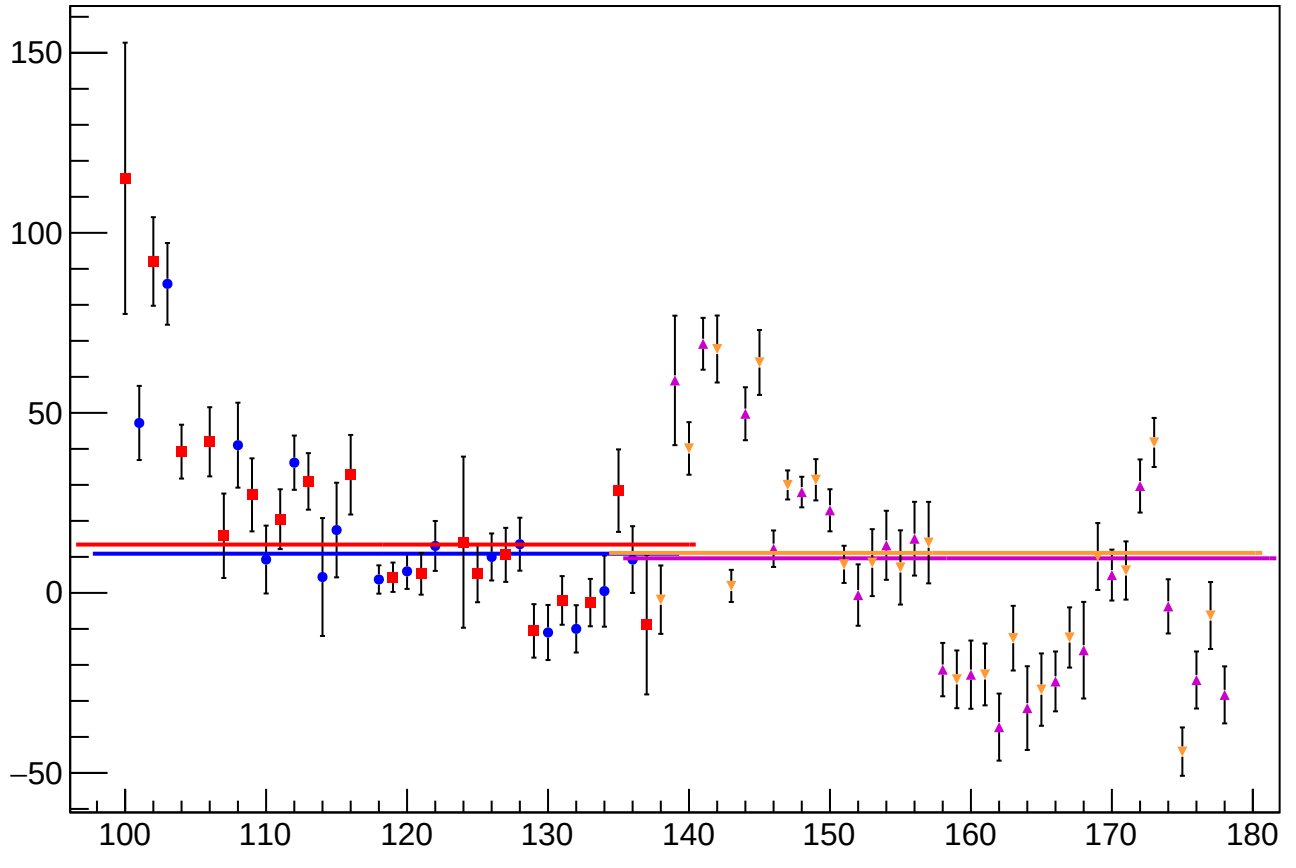
Left: -462.625+/-1.616 χ^2/NDF: 8924.6/40

Right: -344.211+/-1.267 χ^2/NDF: 4066.5/34

In: -403.711+/-1.441 χ^2/NDF:5950.5/35

Out: -375.977+/-1.381 χ^2/NDF:10172.7/39

All: -389.257+/-0.997 χ^2/NDF: 16316.3/75



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: 9.604+/-1.678 χ^2/NDF:271.8/19

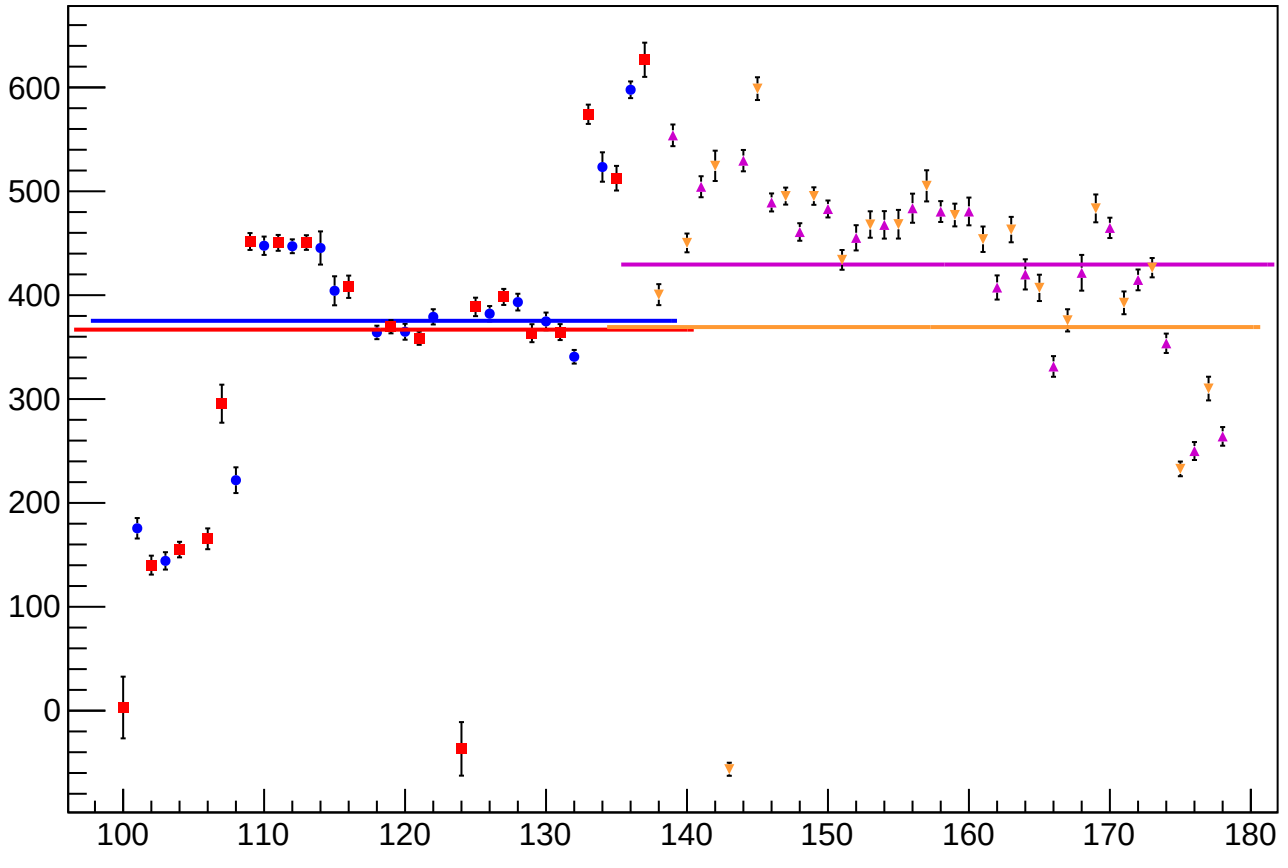
Left: 10.408+/-1.143 χ^2/NDF: 556.2/40

Right: 12.149+/-1.307 χ^2/NDF: 211.6/34

In: 10.186+/-1.241 χ^2/NDF:370.3/35

Out: 12.068+/-1.195 χ^2/NDF:397.3/39

All: 11.163+/-0.861 χ^2/NDF: 768.8/75



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: 429.496+/-2.311 χ^2/NDF:1416.8/19

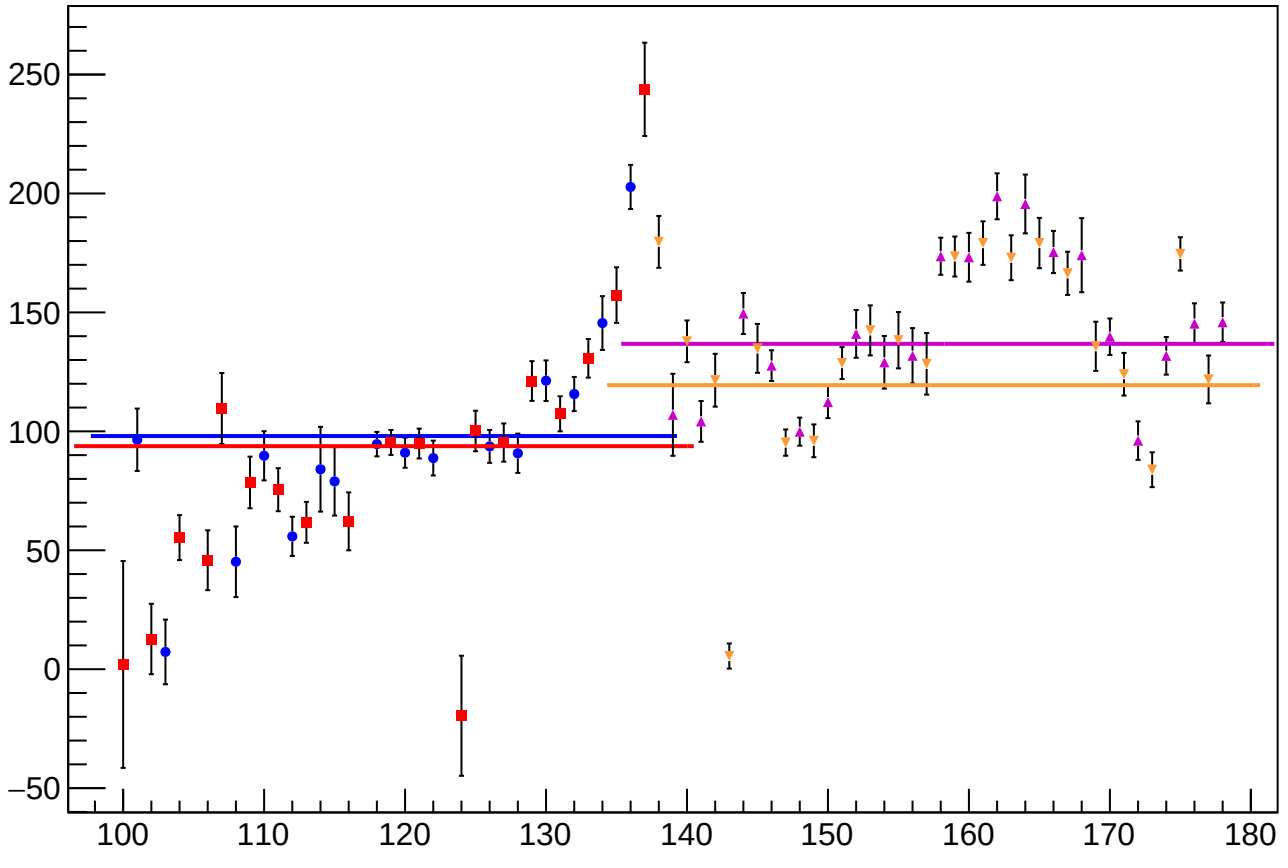
Left: 397.960+/-1.595 χ^2/NDF: 8412.1/40

Right: 370.966+/-1.468 χ^2/NDF: 5998.9/34

In: 399.858+/-1.555 χ^2/NDF:4166.9/35

Out: 367.969+/-1.501 χ^2/NDF:10181.6/39

All: 383.344+/-1.080 χ^2/NDF: 14566.2/75



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: 136.787+/-1.935 χ^2/NDF:226.1/19

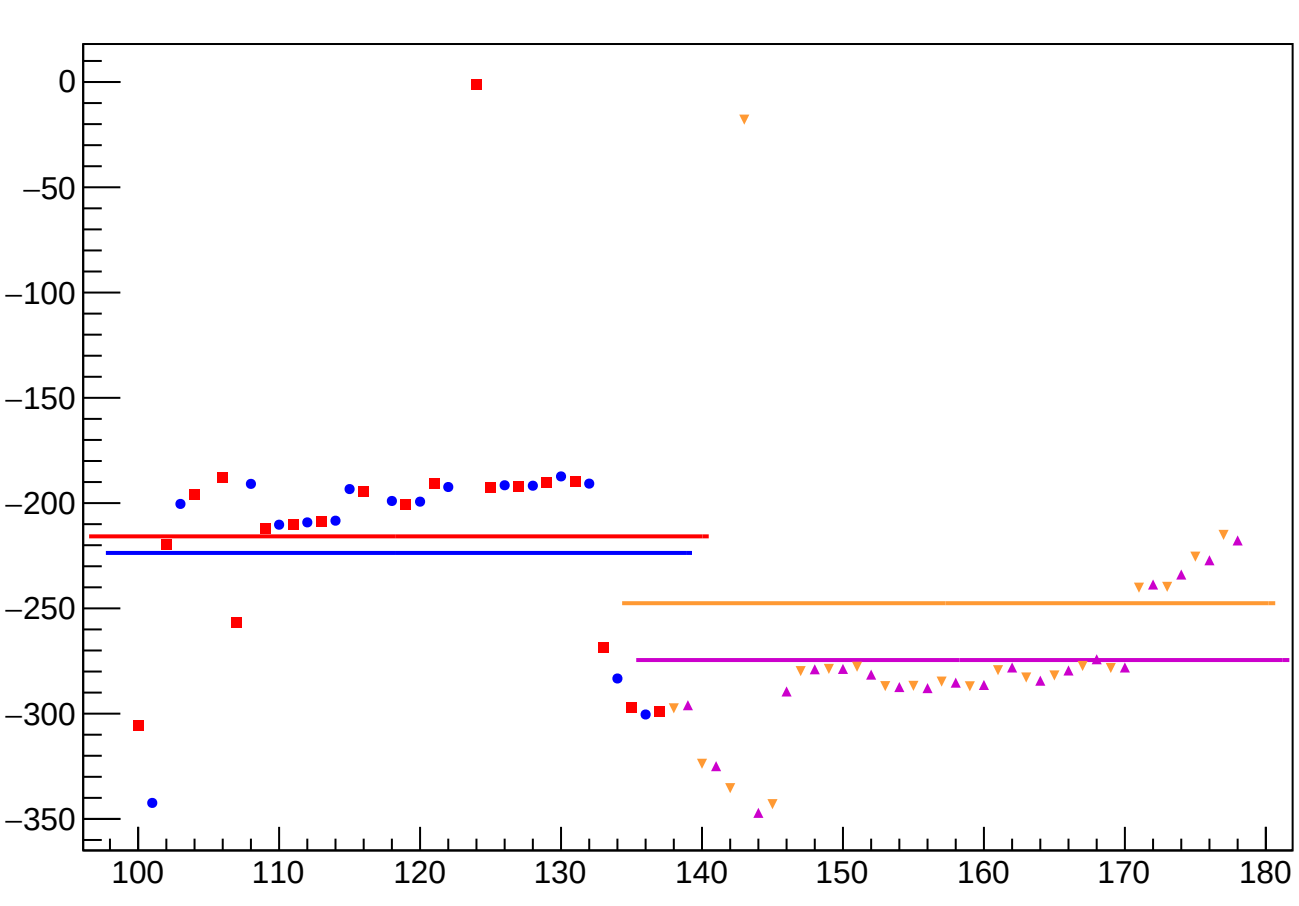
Left: 127.565+/-1.325 χ^2/NDF: 1077.9/40

Right: 95.890+/-1.514 χ^2/NDF: 488.6/34

In: 119.386+/-1.437 χ^2/NDF:655.7/35

Out: 108.649+/-1.386 χ^2/NDF:1129.6/39

All: 113.823+/-0.997 χ^2/NDF: 1814.2/75



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: -274.539+/-0.088 χ^2/NDF:112181.6/19

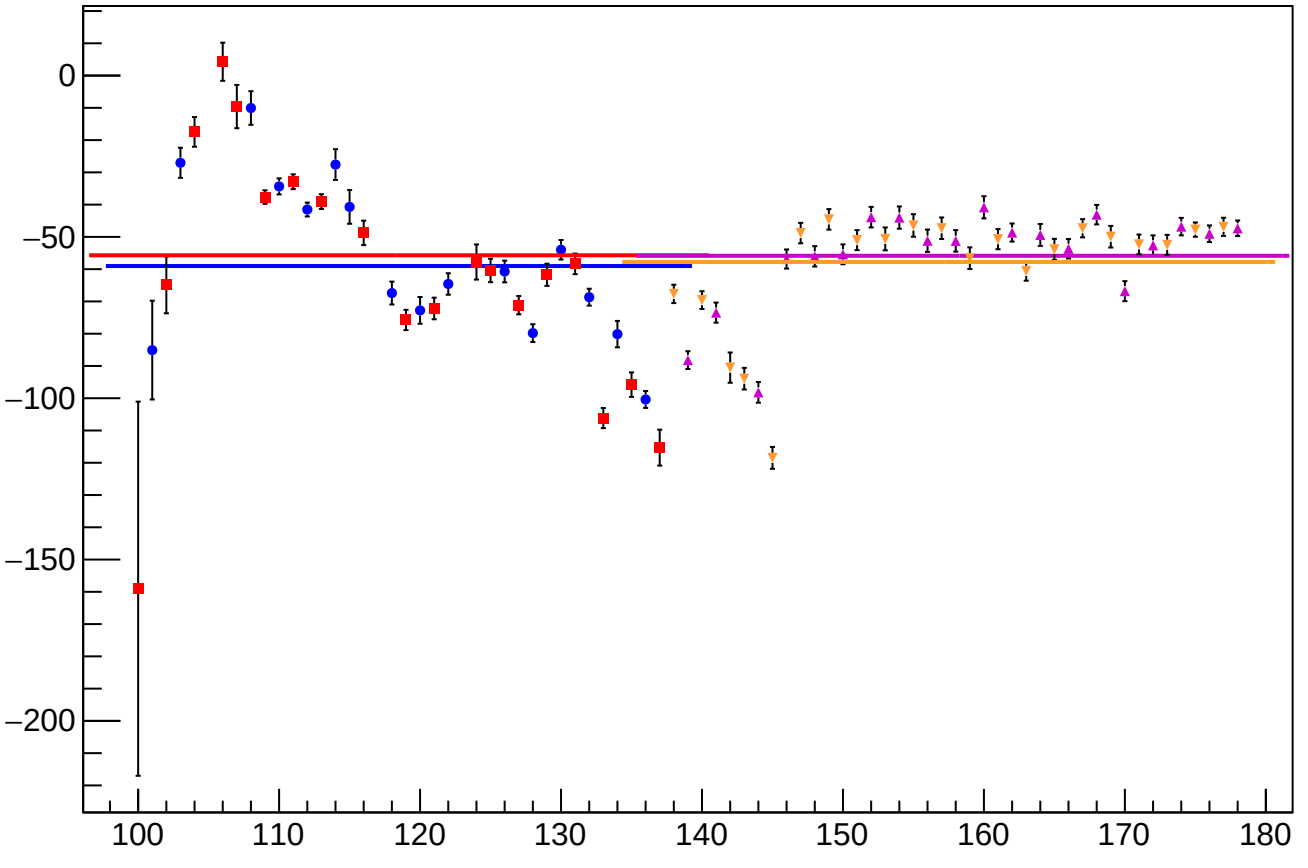
Left: -260.645+/-0.062 χ^2/NDF: 1145740.3/40

Right: -219.617+/-0.096 χ^2/NDF: 204711.3/34

In: -259.807+/-0.074 χ^2/NDF:329855.3/35

Out: -238.352+/-0.072 χ^2/NDF:1106659.9/39

All: -248.765+/-0.052 χ^2/NDF: 1479298.0/75



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: -55.850+/-0.676 χ^2/NDF:465.1/19

Left: -56.804+/-0.478 χ^2/NDF: 1108.5/40

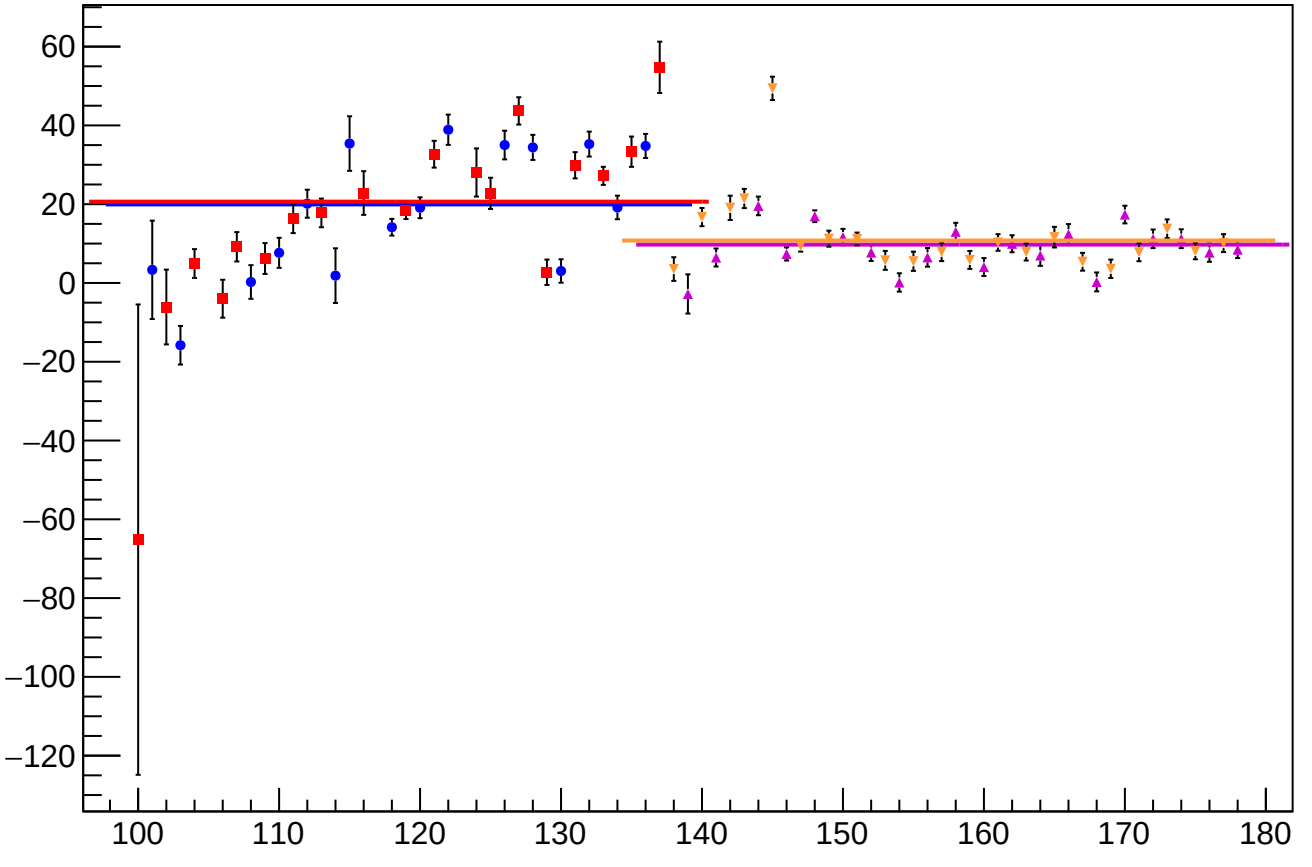
Right: -57.284+/-0.572 χ^2/NDF: 1776.9/34

In: -57.119+/-0.524 χ^2/NDF:1201.2/35

Out: -56.889+/-0.514 χ^2/NDF:1684.5/39

All: -57.002+/-0.367 χ^2/NDF: 2885.8/75

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 9.741+/-0.497 χ^2/NDF:110.9/19

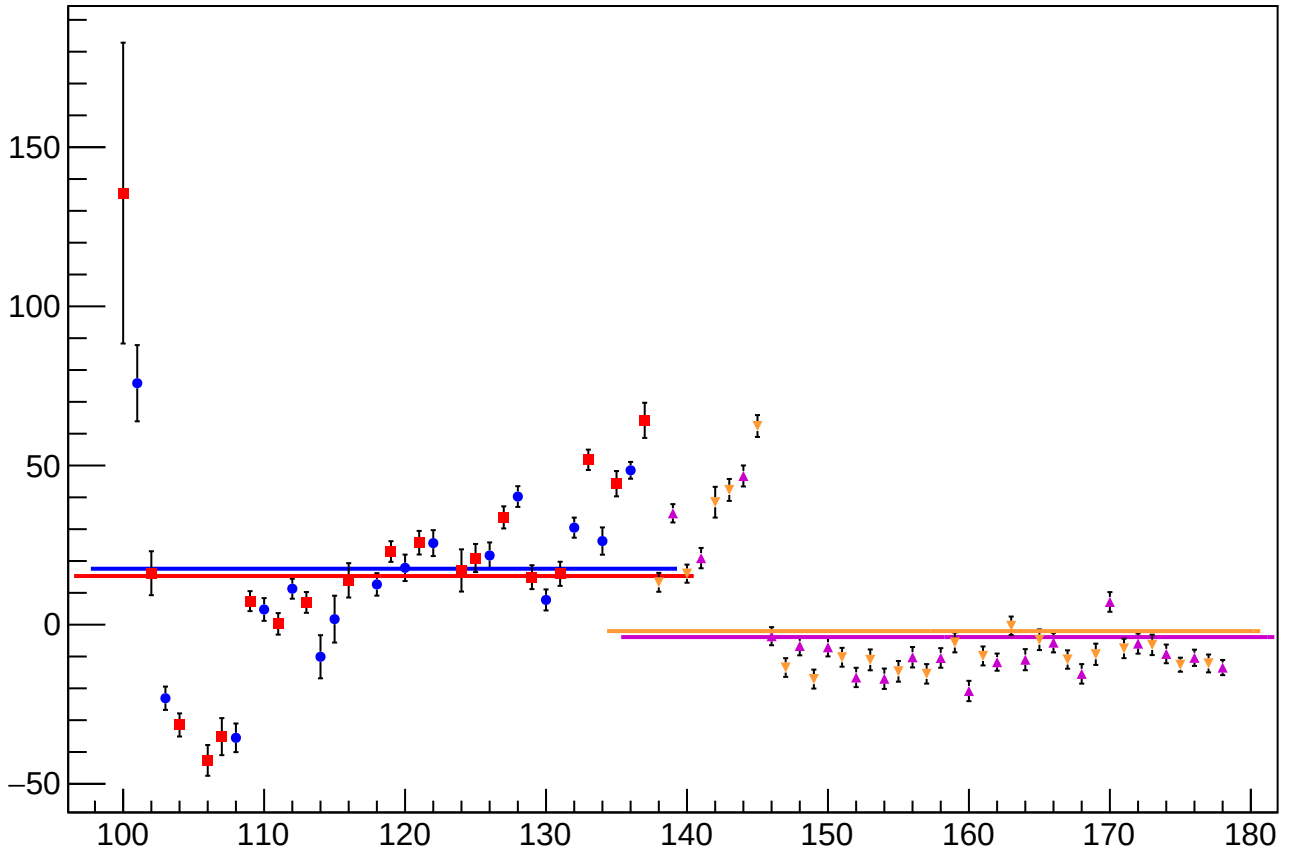
Left: 10.271+/-0.347 χ^2/NDF: 360.0/40

Right: 20.304+/-0.605 χ^2/NDF: 472.3/34

In: 12.263+/-0.431 χ^2/NDF:462.3/35

Out: 13.228+/-0.421 χ^2/NDF:574.4/39

All: 12.758+/-0.301 χ^2/NDF: 1039.3/75



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: -3.895+/-0.664 χ^2/NDF:617.6/19

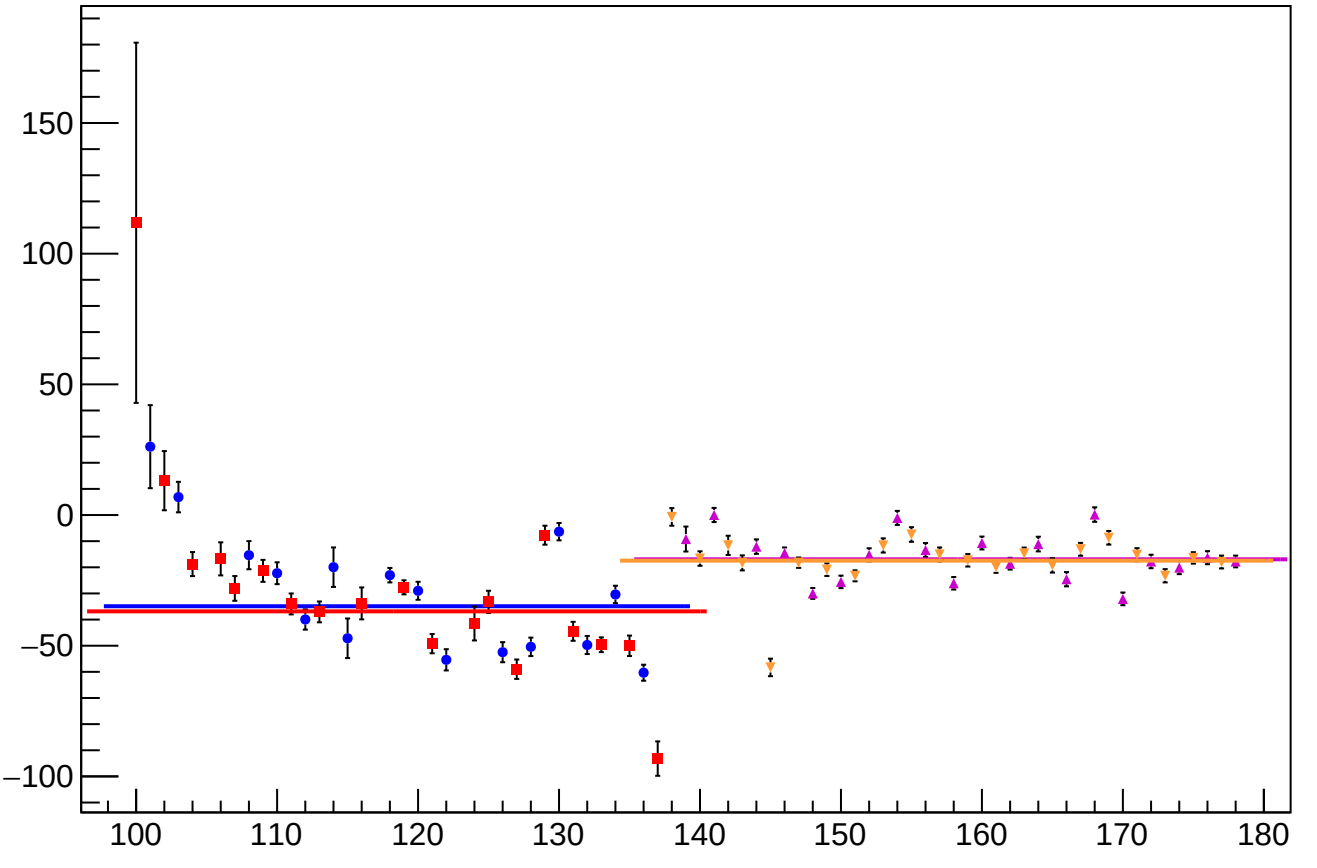
Left: -2.960+/-0.470 χ^2/NDF: 1431.0/40

Right: 16.401+/-0.668 χ^2/NDF: 1279.2/34

In: 3.087+/-0.546 χ^2/NDF:1503.7/35

Out: 3.803+/-0.542 χ^2/NDF:1767.2/39

All: 3.448+/-0.384 χ^2/NDF: 3271.7/75



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: -16.944+/-0.565 χ^2/NDF:247.8/19

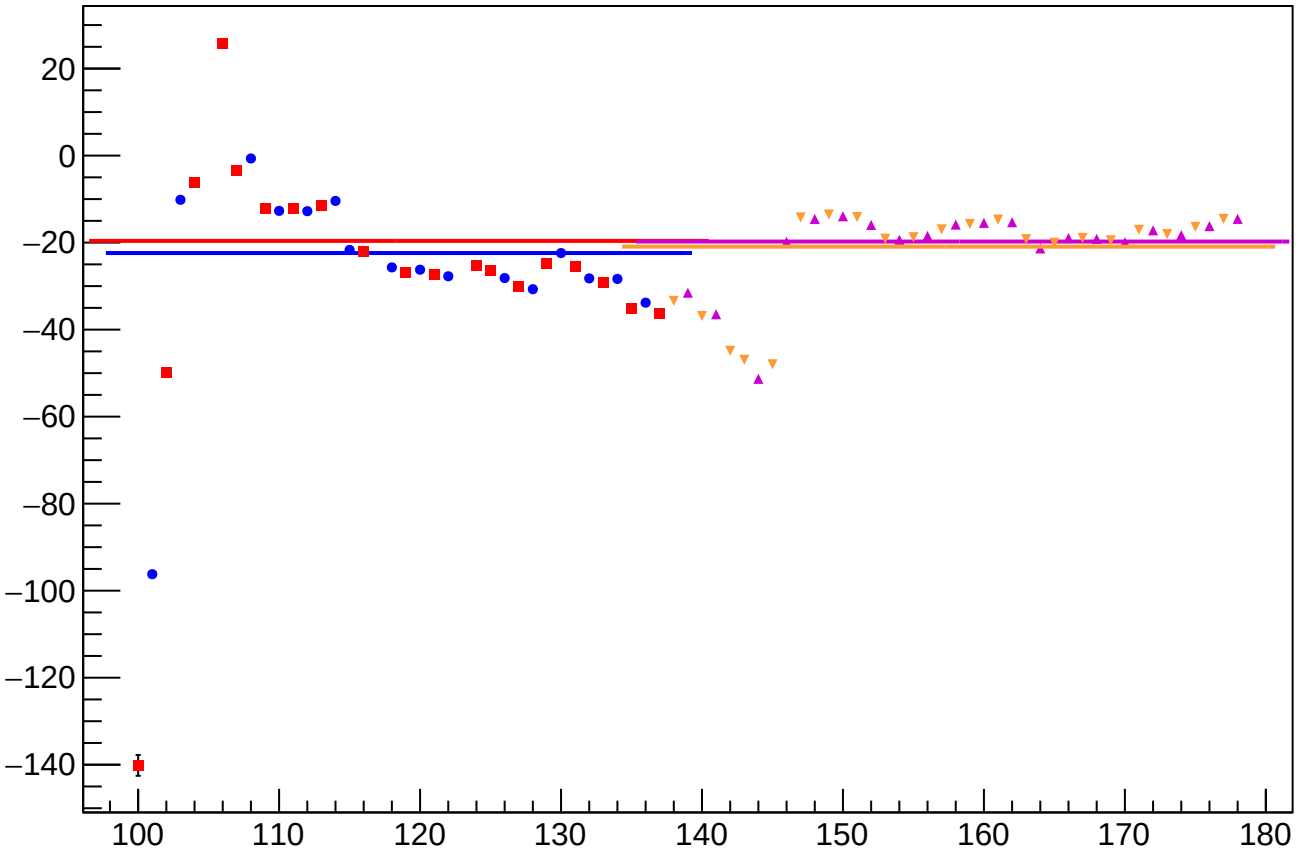
Left: -17.199+/-0.396 χ^2/NDF: 475.4/40

Right: -35.897+/-0.693 χ^2/NDF: 650.0/34

In: -21.352+/-0.491 χ^2/NDF:842.5/35

Out: -22.236+/-0.482 χ^2/NDF:830.4/39

All: -21.803+/-0.344 χ^2/NDF: 1674.5/75



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: -19.758+/-0.025 χ^2/NDF:90323.6/19

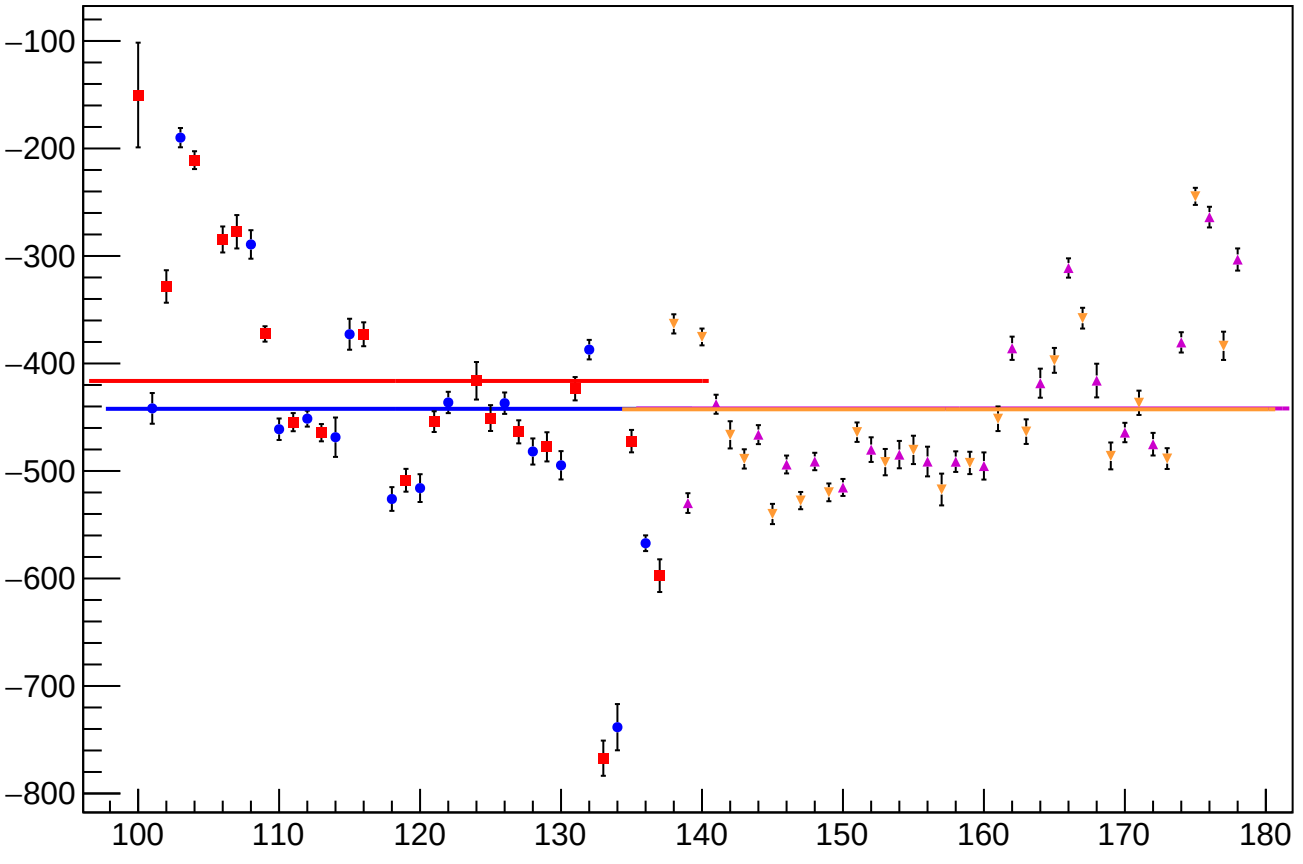
Left: -20.339+/-0.018 χ^2/NDF: 233030.9/40

Right: -21.027+/-0.042 χ^2/NDF: 131507.1/34

In: -20.166+/-0.023 χ^2/NDF:138571.4/35

Out: -20.727+/-0.023 χ^2/NDF:225900.8/39

All: -20.444+/-0.016 χ^2/NDF: 364769.5/75



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: -441.841+/-2.222 χ^2/NDF:1168.8/19

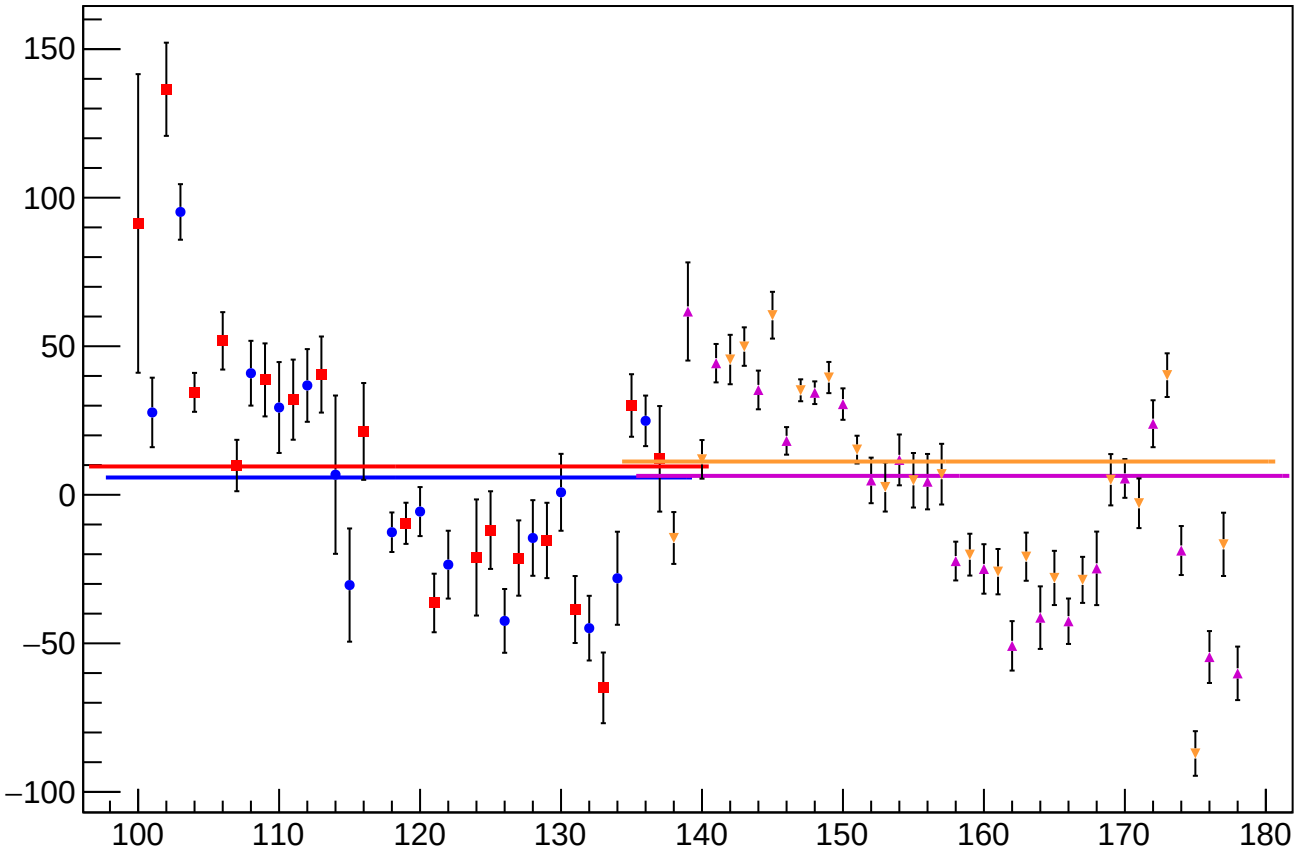
Left: -442.241+/-1.562 χ^2/NDF: 2509.4/40

Right: -428.429+/-1.837 χ^2/NDF: 3392.5/34

In: -441.980+/-1.711 χ^2/NDF:2757.9/35

Out: -431.265+/-1.656 χ^2/NDF:3156.6/39

All: -436.448+/-1.190 χ^2/NDF: 5934.7/75



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: 6.368+/-1.564 χ^2/NDF:412.9/19

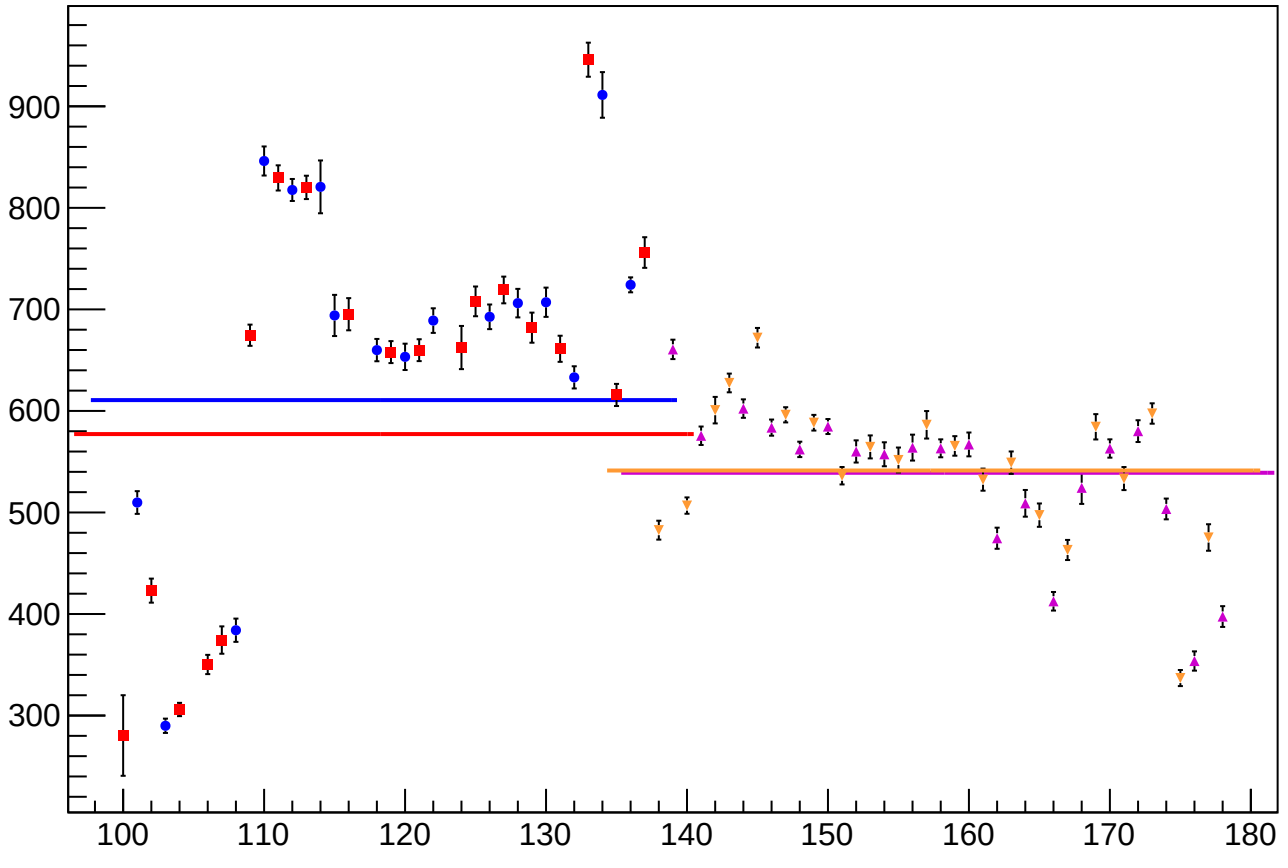
Left: 8.863+/-1.087 χ^2/NDF: 892.9/40

Right: 7.800+/-1.865 χ^2/NDF: 411.3/34

In: 6.234+/-1.357 χ^2/NDF:601.0/35

Out: 10.766+/-1.302 χ^2/NDF:697.6/39

All: 8.593+/-0.939 χ^2/NDF: 1304.4/75



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: 539.092+/-2.179 χ^2/NDF:1170.6/19

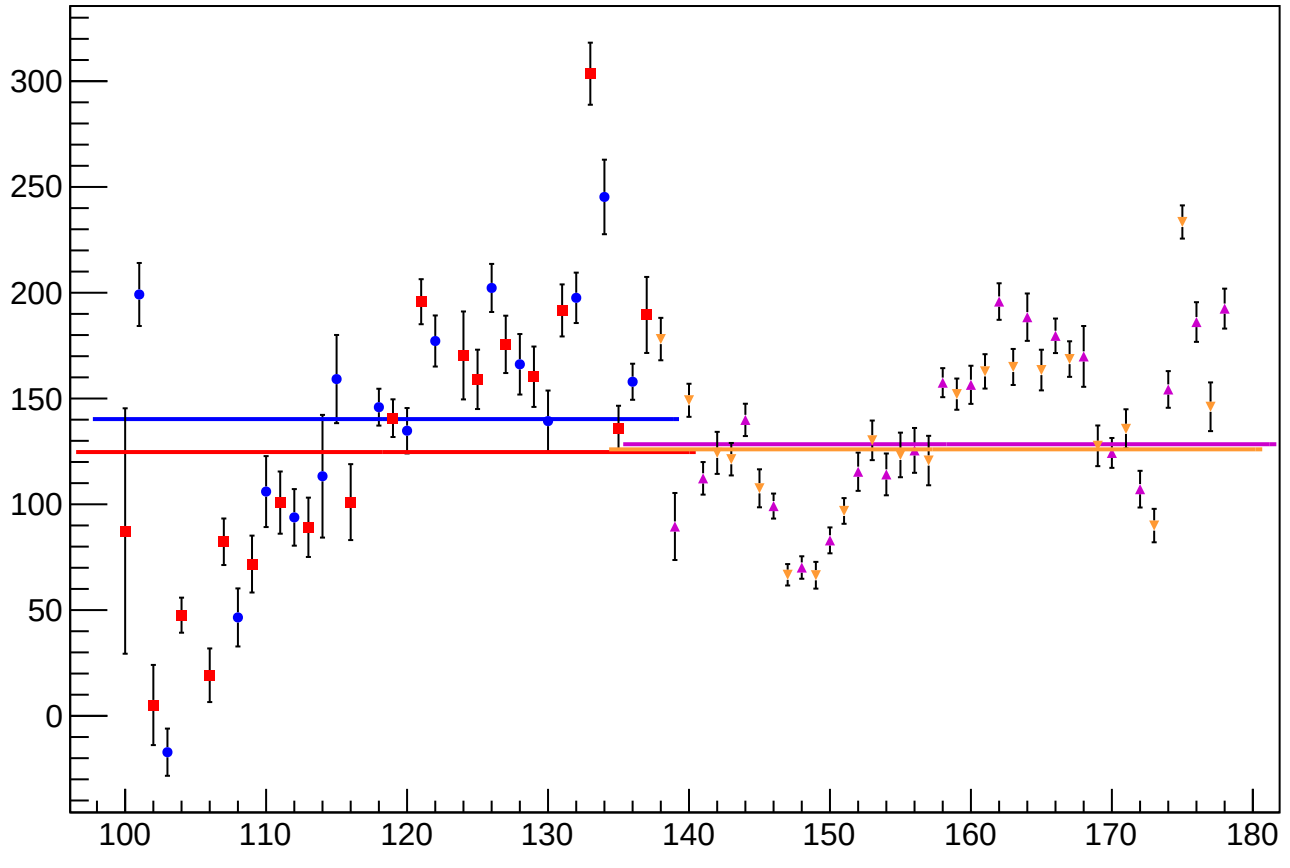
Left: 540.220+/-1.534 χ^2/NDF: 2448.5/40

Right: 593.122+/-1.995 χ^2/NDF: 8763.0/34

In: 565.009+/-1.740 χ^2/NDF:5453.7/35

Out: 554.977+/-1.699 χ^2/NDF:6182.8/39

All: 559.873+/-1.216 χ^2/NDF: 11653.5/75



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: 128.396+/-1.813 χ^2/NDF:481.3/19

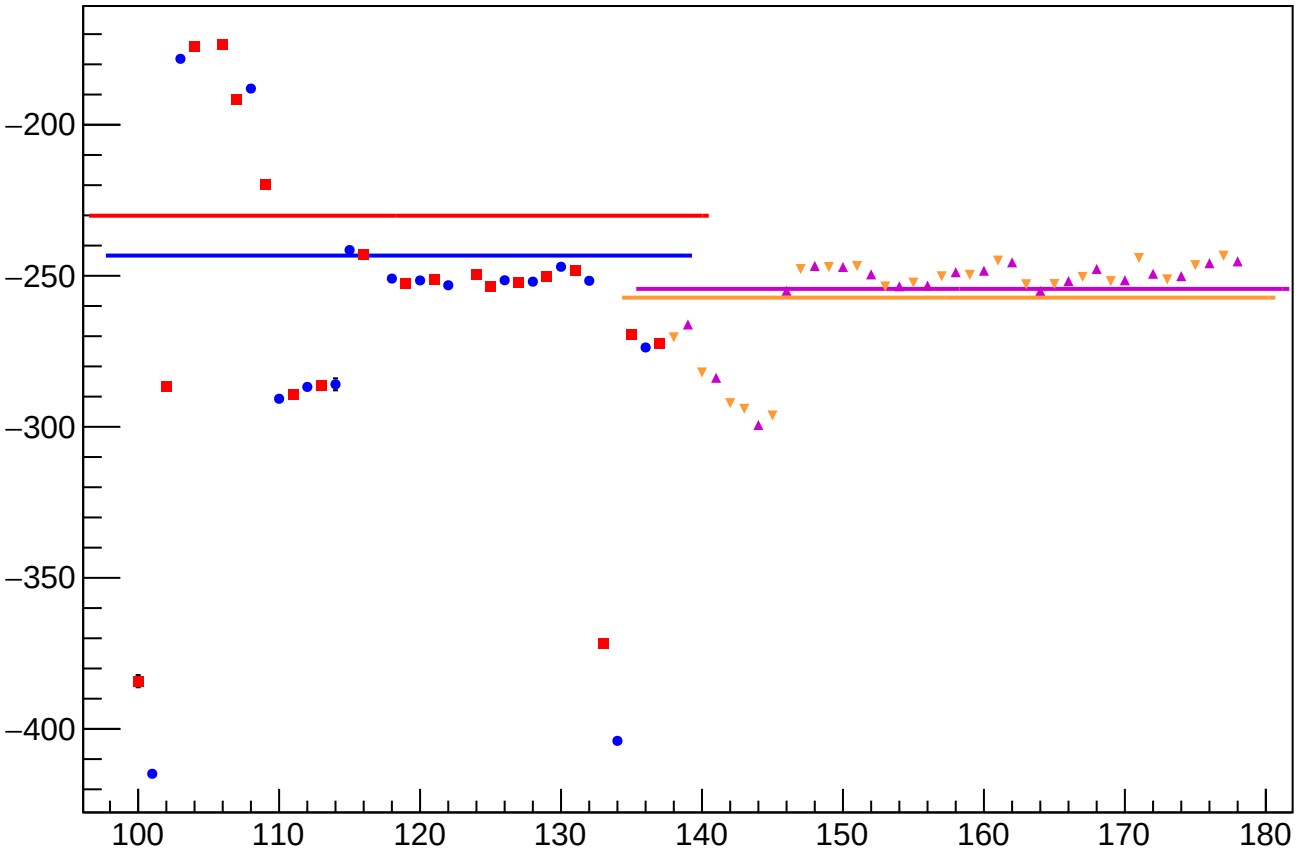
Left: 127.156+/-1.267 χ^2/NDF: 1079.4/40

Right: 132.049+/-2.165 χ^2/NDF: 906.8/34

In: 131.351+/-1.572 χ^2/NDF:877.4/35

Out: 125.641+/-1.521 χ^2/NDF:1105.8/39

All: 128.404+/-1.093 χ^2/NDF: 1990.0/75



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: -254.332+/-0.083 χ^2/NDF:23549.7/19

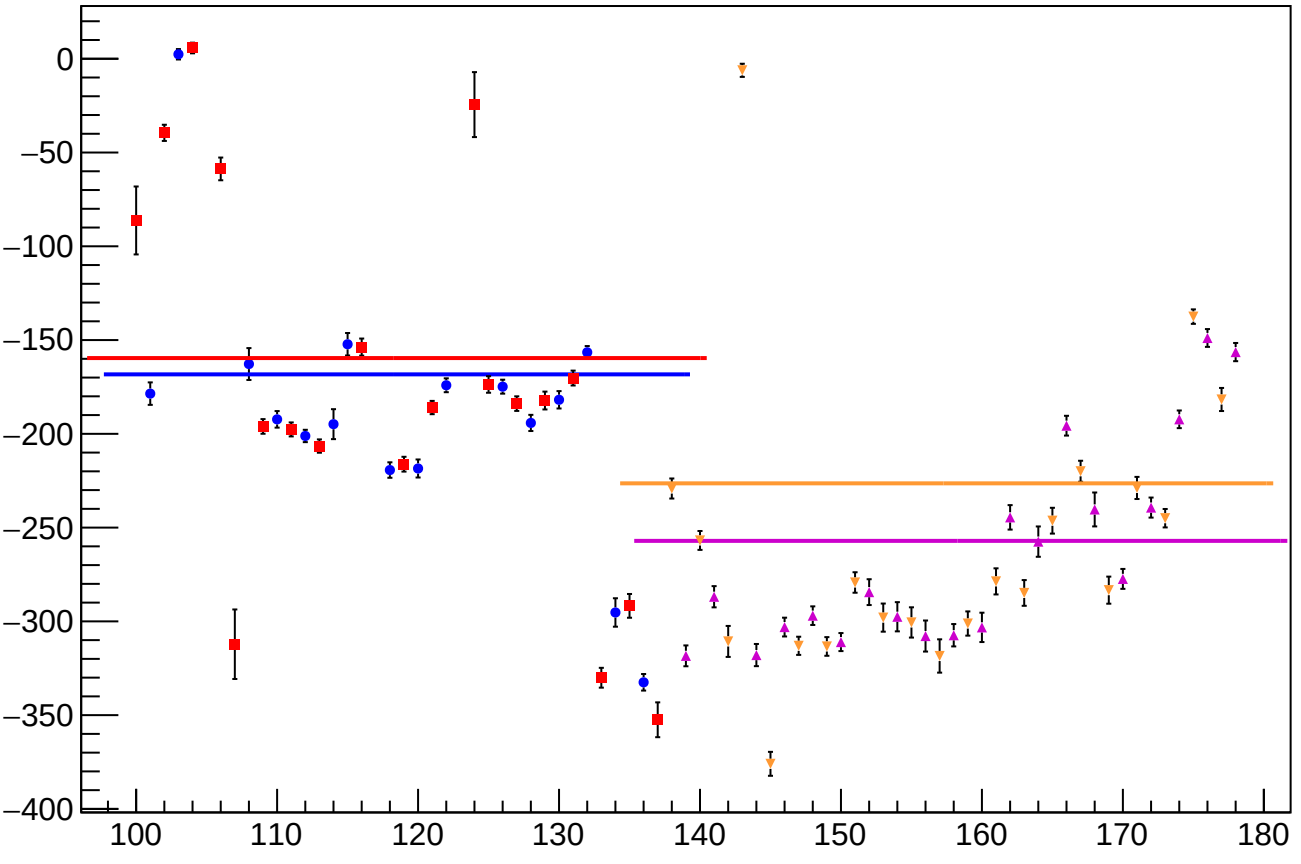
Left: -255.775+/-0.059 χ^2/NDF: 62650.1/40

Right: -236.496+/-0.113 χ^2/NDF: 279343.3/34

In: -252.046+/-0.074 χ^2/NDF:200685.1/35

Out: -251.276+/-0.074 χ^2/NDF:164127.7/39

All: -251.660+/-0.052 χ^2/NDF: 364867.2/75



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: -257.076+/-1.289 χ^2/NDF:2023.3/19

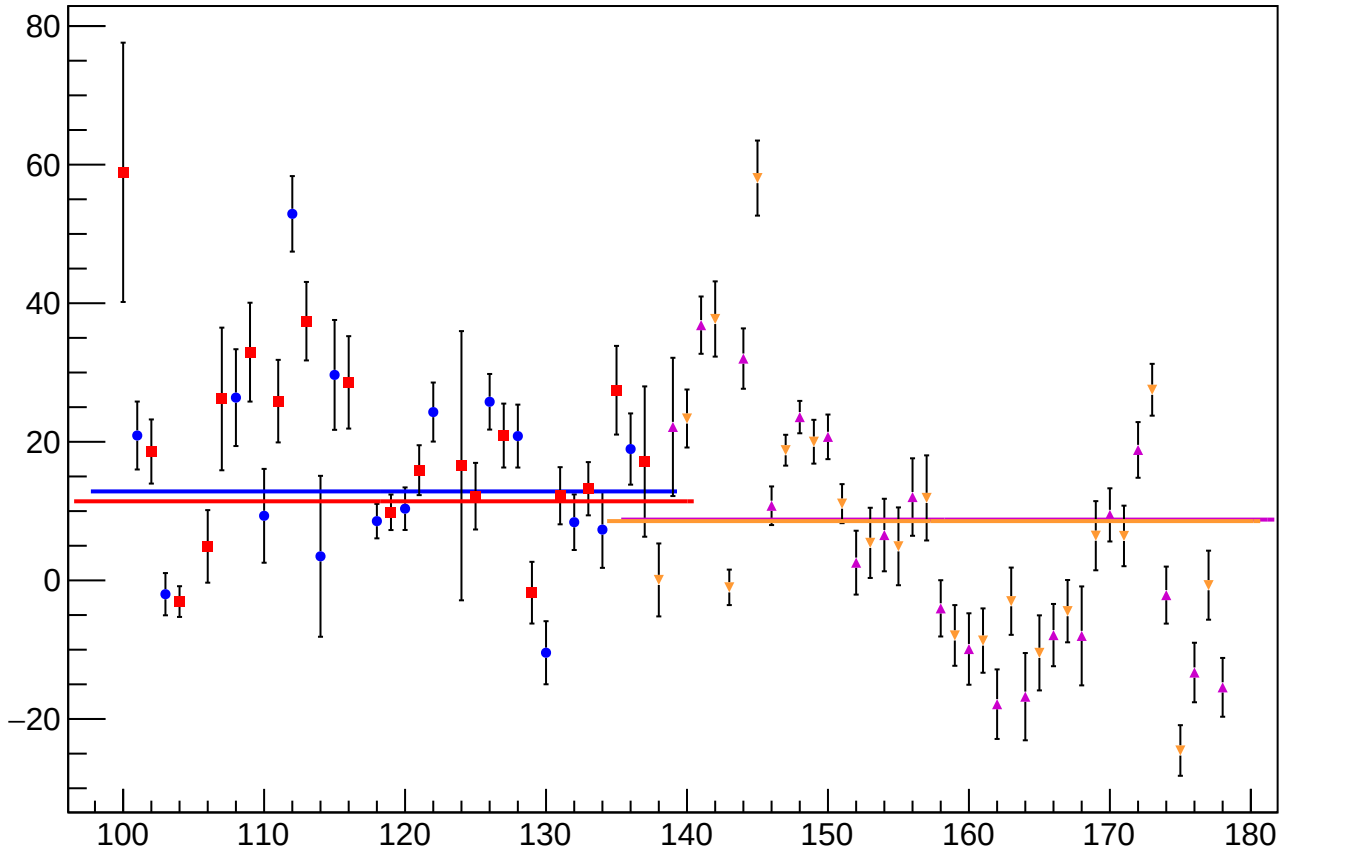
Left: -241.048+/-0.891 χ^2/NDF: 8881.3/40

Right: -163.809+/-0.749 χ^2/NDF: 13139.1/34

In: -204.746+/-0.826 χ^2/NDF:10727.8/35

Out: -187.467+/-0.796 χ^2/NDF:15473.2/39

All: -195.786+/-0.573 χ^2/NDF: 26428.0/75



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: 8.774+/-0.922 χ^2/NDF:292.3/19

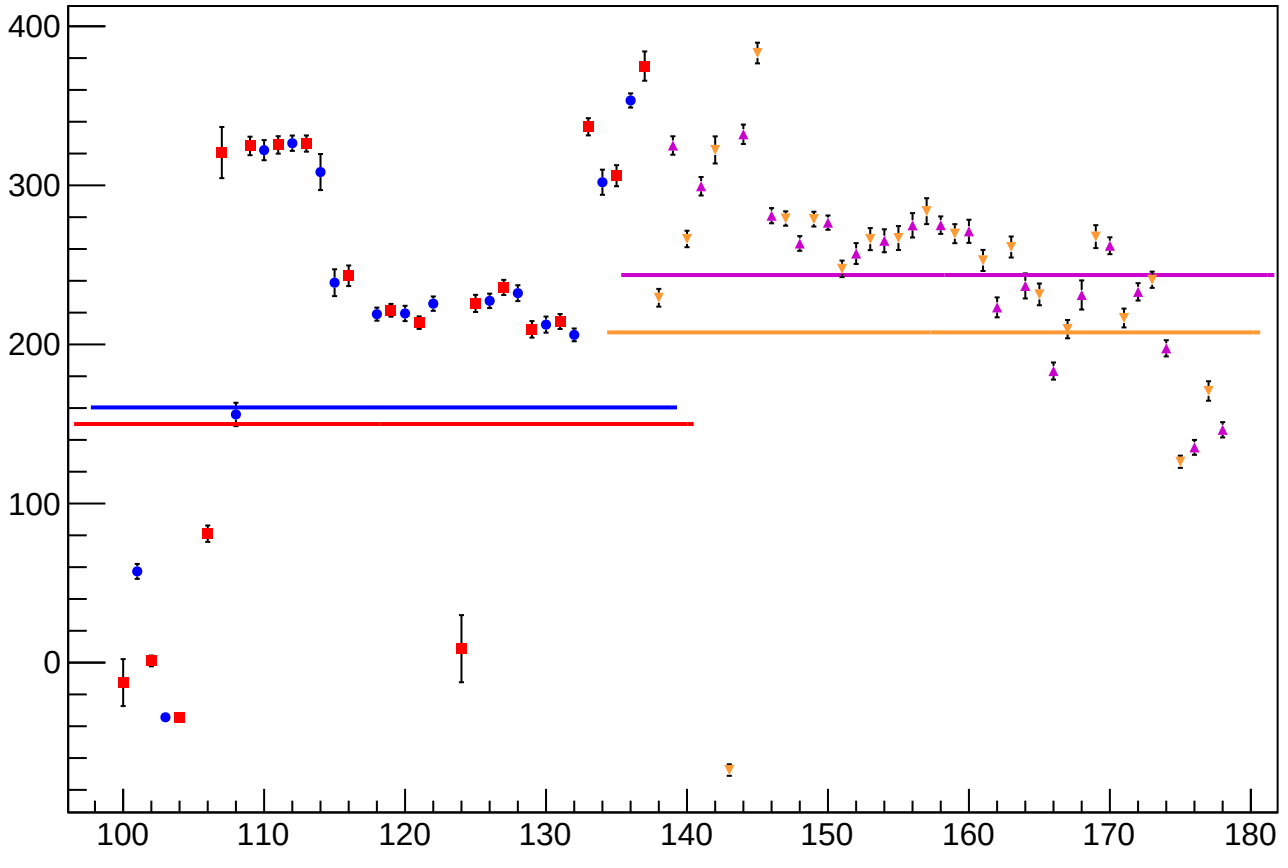
Left: 8.659+/-0.630 χ^2/NDF: 635.9/40

Right: 12.100+/-0.746 χ^2/NDF: 264.2/34

In: 10.495+/-0.700 χ^2/NDF:444.2/35

Out: 9.728+/-0.663 χ^2/NDF:467.7/39

All: 10.091+/-0.481 χ^2/NDF: 912.5/75



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: 243.629+/-1.268 χ^2/NDF:1889.2/19

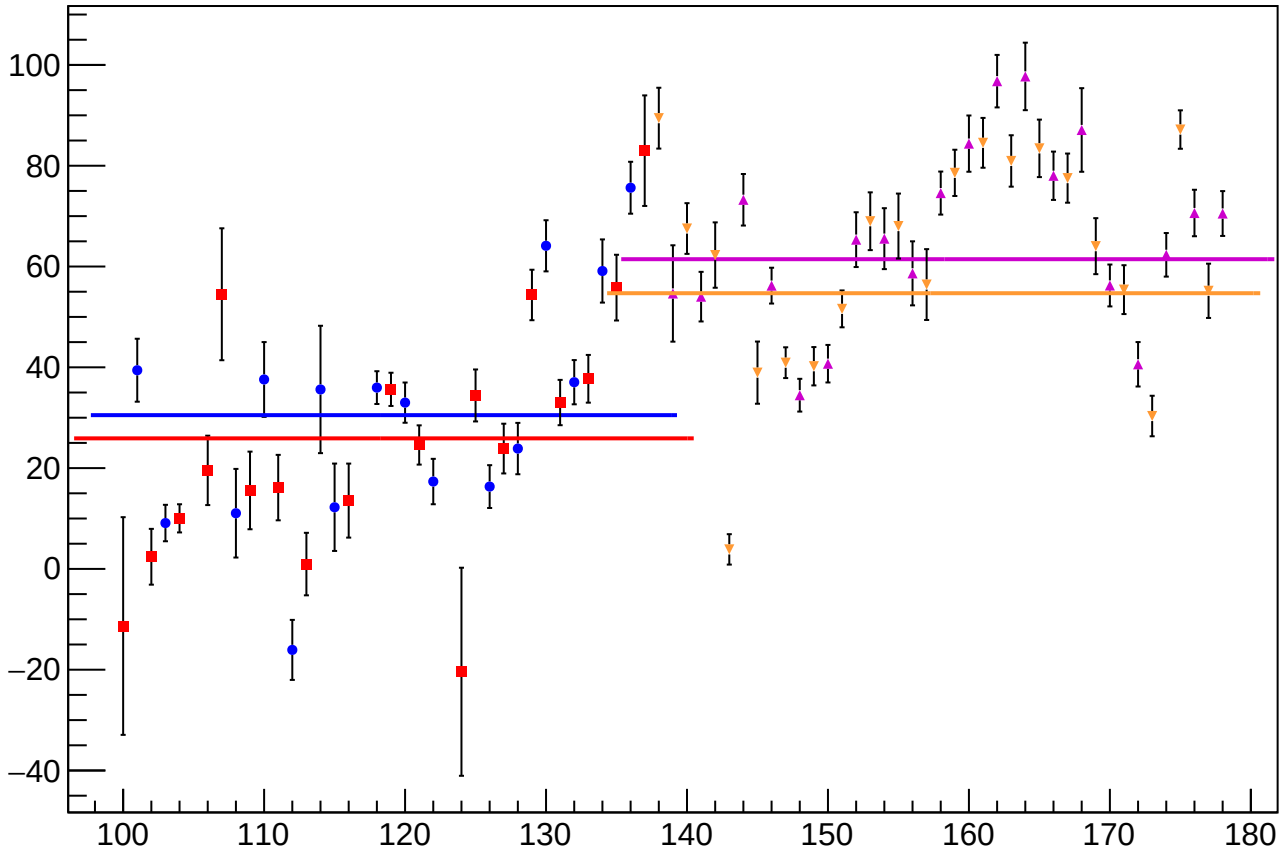
Left: 224.859+/-0.878 χ^2/NDF: 10767.4/40

Right: 155.041+/-0.794 χ^2/NDF: 30258.1/34

In: 197.569+/-0.847 χ^2/NDF:18222.9/35

Out: 176.050+/-0.819 χ^2/NDF:25948.7/39

All: 186.440+/-0.589 χ^2/NDF: 44505.1/75



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: 61.454+/-1.062 χ^2/NDF:266.6/19

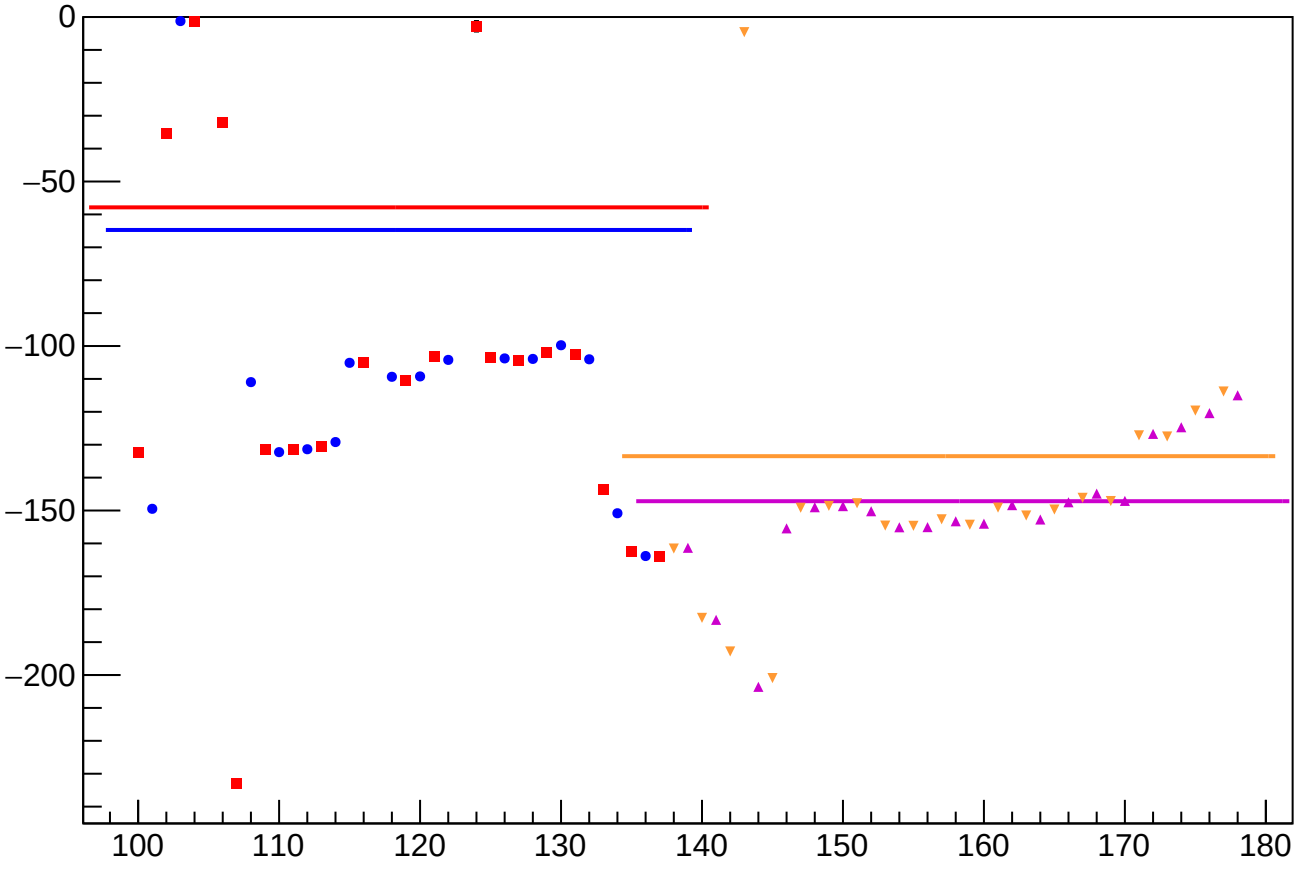
Left: 57.890+/-0.729 χ^2/NDF: 914.8/40

Right: 28.129+/-0.872 χ^2/NDF: 471.7/34

In: 48.538+/-0.811 χ^2/NDF:898.0/35

Out: 42.998+/-0.773 χ^2/NDF:1149.3/39

All: 45.638+/-0.560 χ^2/NDF: 2071.7/75



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: -147.167+/-0.048 χ^2/NDF:144972.9/19

Left: -140.159+/-0.034 χ^2/NDF: 1167746.6/40

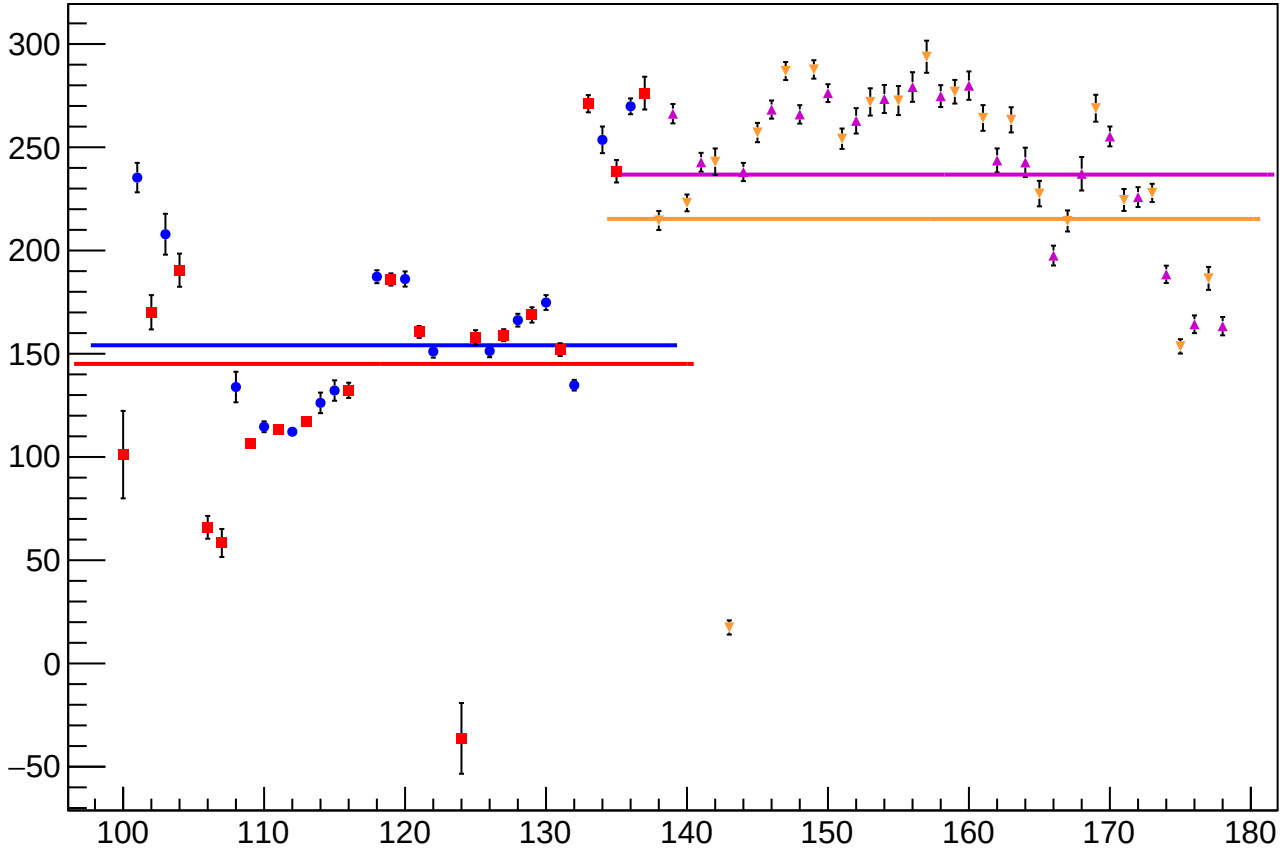
Right: -61.201+/-0.045 χ^2/NDF: 1926190.0/34

In: -117.069+/-0.039 χ^2/NDF:2249806.9/35

Out: -105.802+/-0.038 χ^2/NDF:2796375.9/39

All: -111.296+/-0.027 χ^2/NDF: 5089965.3/75

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: 236.762+/-1.132 χ^2/NDF:1171.7/19

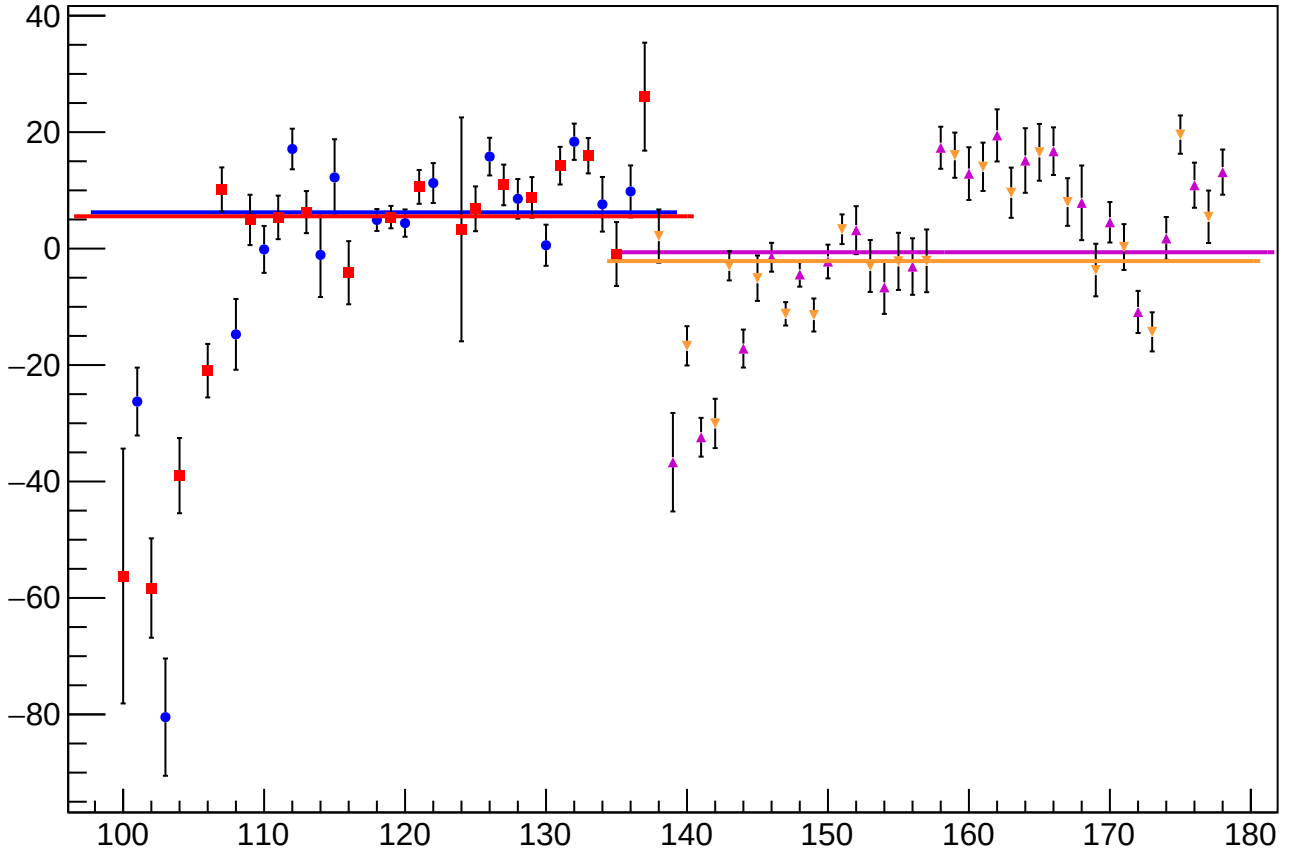
Left: 225.643+/-0.786 χ^2/NDF: 6259.5/40

Right: 149.361+/-0.599 χ^2/NDF: 5296.0/34

In: 184.761+/-0.689 χ^2/NDF:6808.8/35

Out: 170.625+/-0.659 χ^2/NDF:10487.7/39

All: 177.374+/-0.476 χ^2/NDF: 17516.3/75



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: -0.625+/-0.813 χ^2/NDF:255.0/19

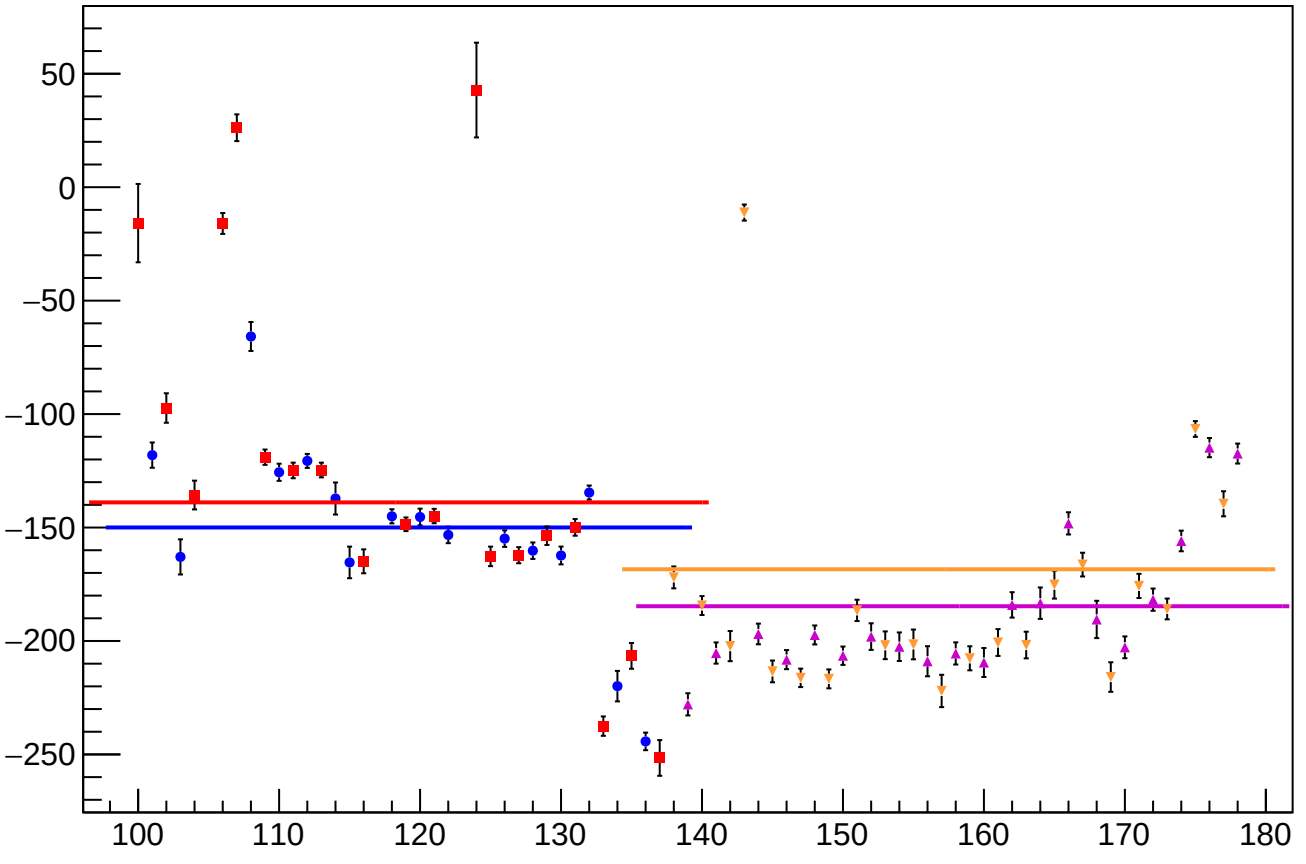
Left: -1.427+/-0.558 χ^2/NDF: 481.5/40

Right: 5.888+/-0.629 χ^2/NDF: 343.5/34

In: 2.492+/-0.600 χ^2/NDF:449.4/35

Out: 1.145+/-0.582 χ^2/NDF:448.6/39

All: 1.797+/-0.418 χ^2/NDF: 900.6/75



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: -184.686+/-1.115 χ^2/NDF:851.8/19

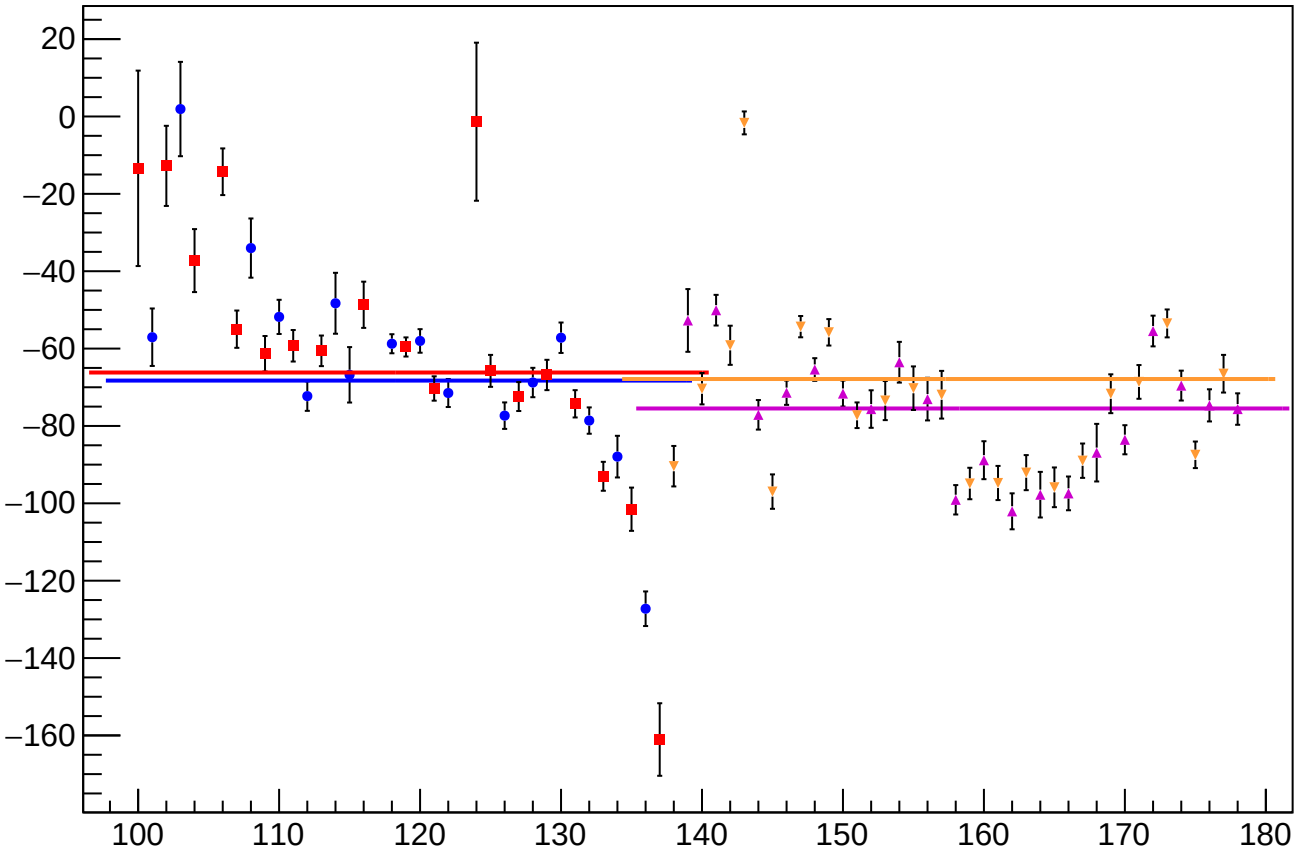
Left: -176.281+/-0.776 χ^2/NDF: 3992.5/40

Right: -144.265+/-0.714 χ^2/NDF: 3910.3/34

In: -165.881+/-0.755 χ^2/NDF:2476.4/35

Out: -152.431+/-0.731 χ^2/NDF:6185.4/39

All: -158.941+/-0.525 χ^2/NDF: 8825.6/75



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: -75.484+/-0.936 χ^2/NDF:222.5/19

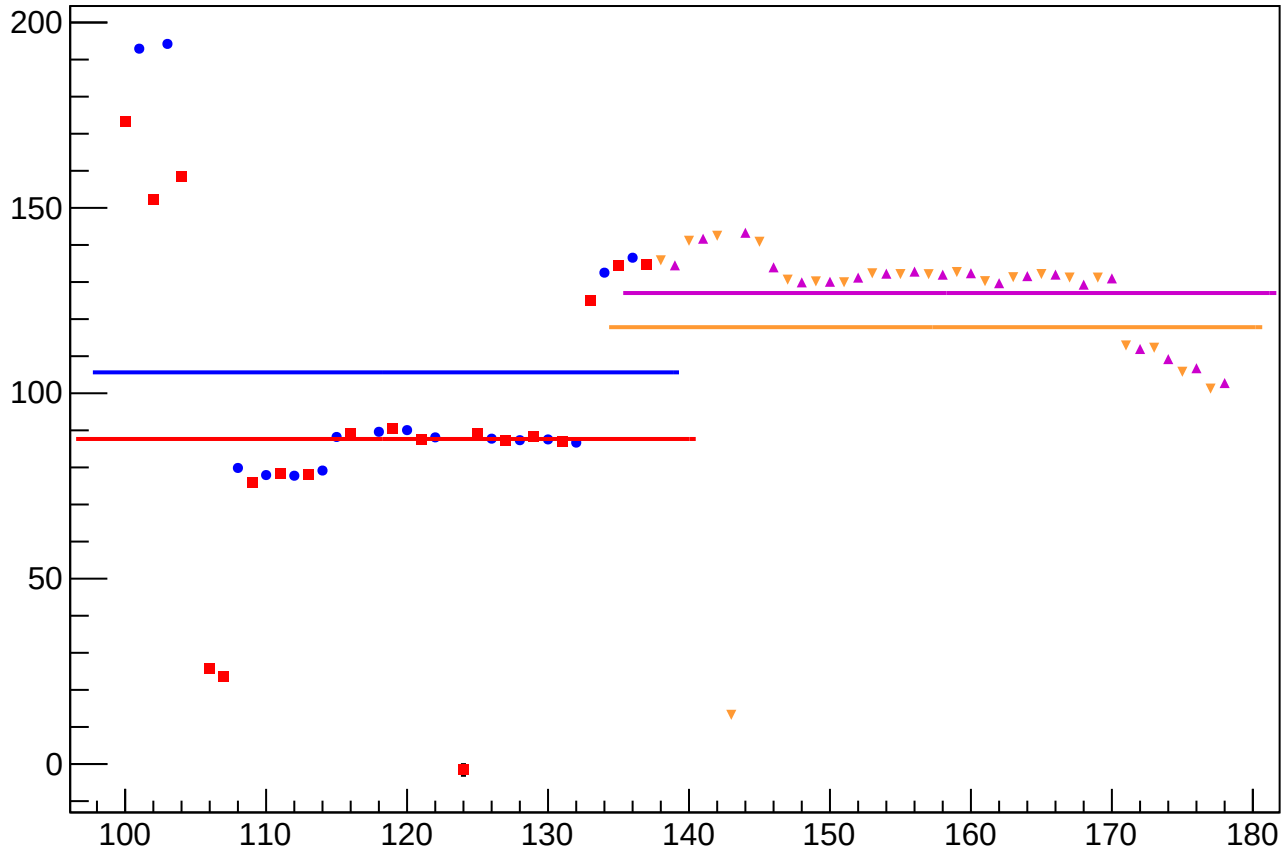
Left: -71.499+/-0.646 χ^2/NDF: 1079.1/40

Right: -67.219+/-0.727 χ^2/NDF: 675.8/34

In: -72.232+/-0.694 χ^2/NDF:564.7/35

Out: -67.140+/-0.673 χ^2/NDF:1181.9/39

All: -69.610+/-0.483 χ^2/NDF: 1774.3/75



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: 127.036+/-0.043 χ^2/NDF:69726.5/19

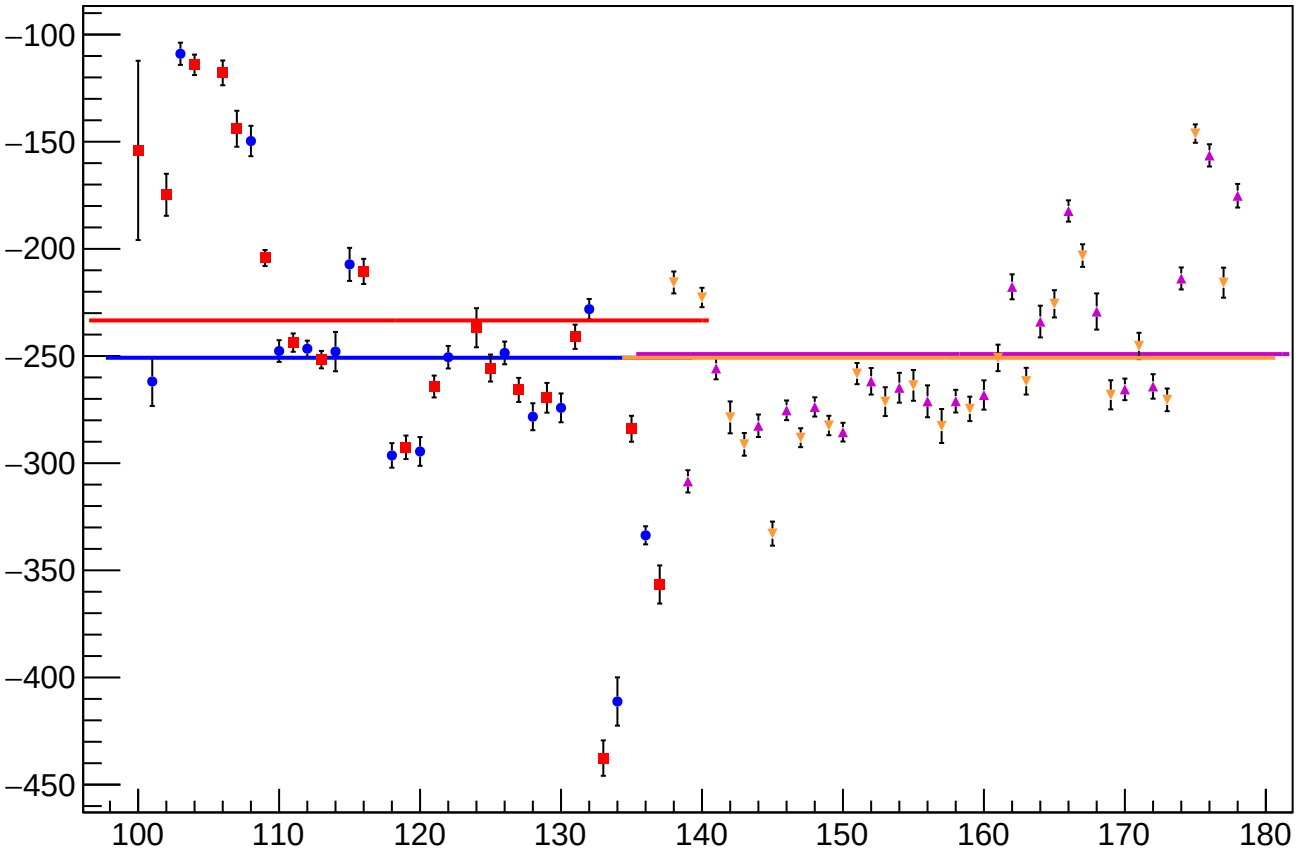
Left: 122.354+/-0.030 χ^2/NDF: 713566.0/40

Right: 95.972+/-0.048 χ^2/NDF: 648694.2/34

In: 121.351+/-0.037 χ^2/NDF:376339.0/35

Out: 109.091+/-0.035 χ^2/NDF:1144497.1/39

All: 115.018+/-0.025 χ^2/NDF: 1579071.3/75



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: -249.103+/-1.228 χ^2/NDF:1131.3/19

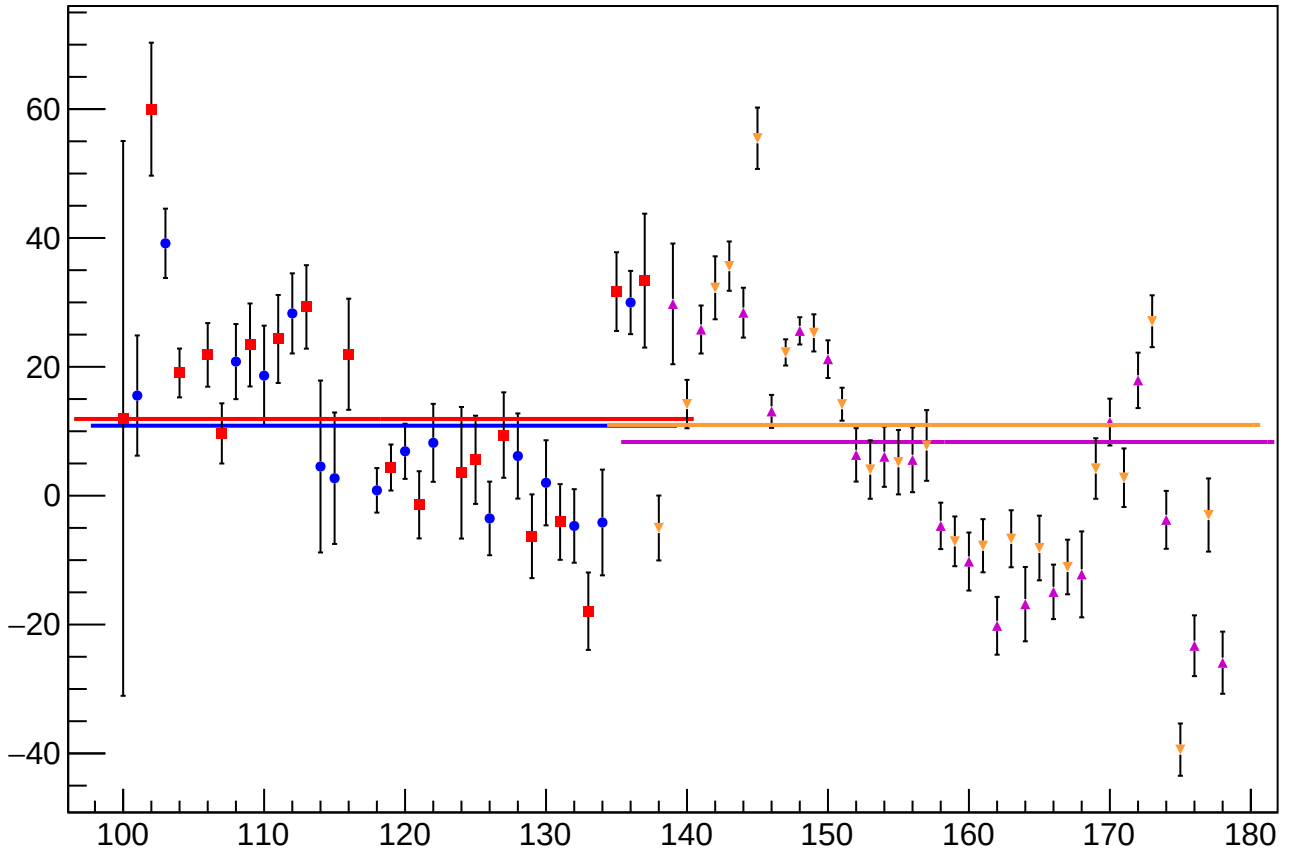
Left: -249.970+/-0.865 χ^2/NDF: 2412.8/40

Right: -241.445+/-0.978 χ^2/NDF: 4193.1/34

In: -249.824+/-0.934 χ^2/NDF:2867.8/35

Out: -242.886+/-0.900 χ^2/NDF:3752.1/39

All: -246.226+/-0.648 χ^2/NDF: 6648.5/75



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: 8.336+/-0.864 χ^2/NDF:381.7/19

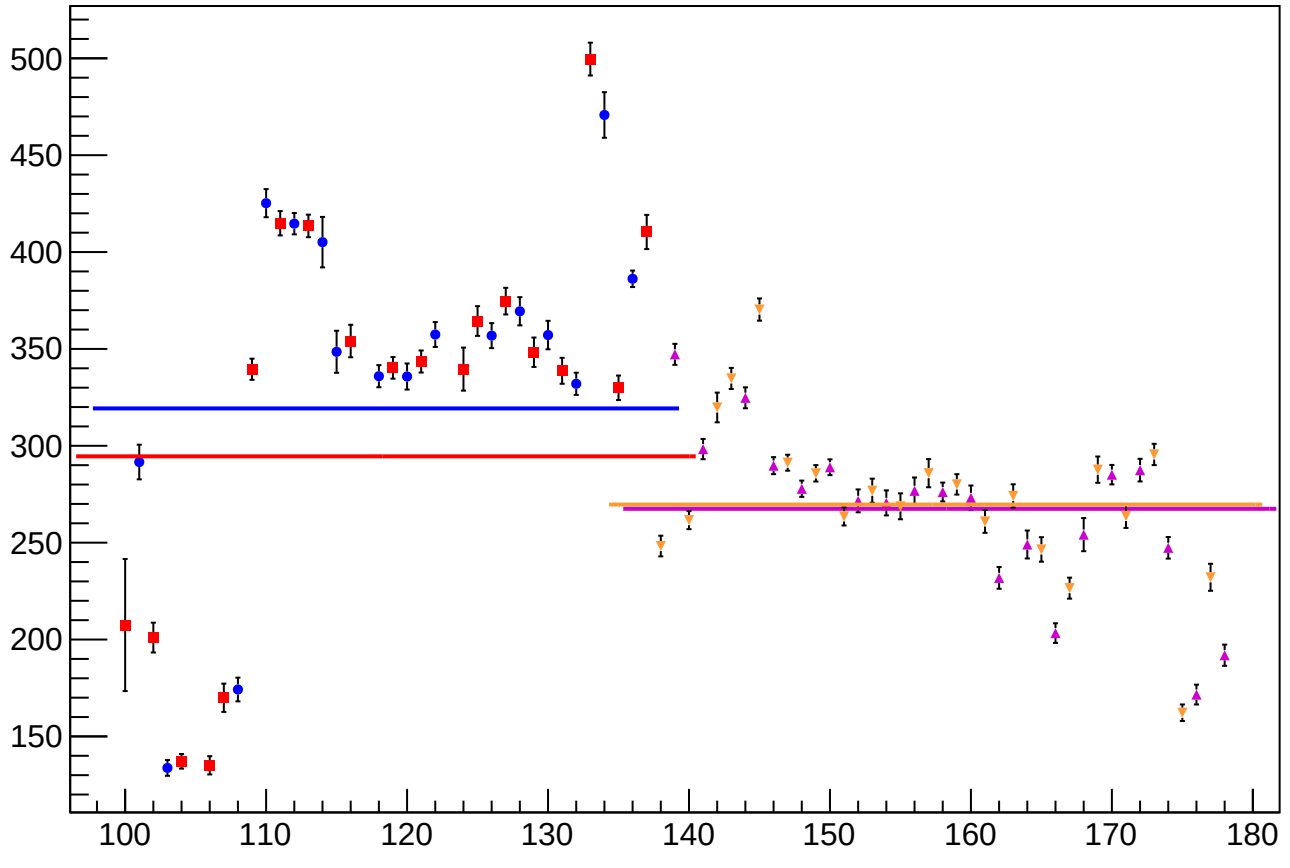
Left: 9.698+/-0.602 χ^2/NDF: 887.7/40

Right: 11.426+/-1.001 χ^2/NDF: 196.9/34

In: 8.985+/-0.745 χ^2/NDF:468.5/35

Out: 11.235+/-0.715 χ^2/NDF:613.5/39

All: 10.157+/-0.516 χ^2/NDF: 1086.8/75



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: 267.477+/-1.203 χ^2/NDF:1217.9/19

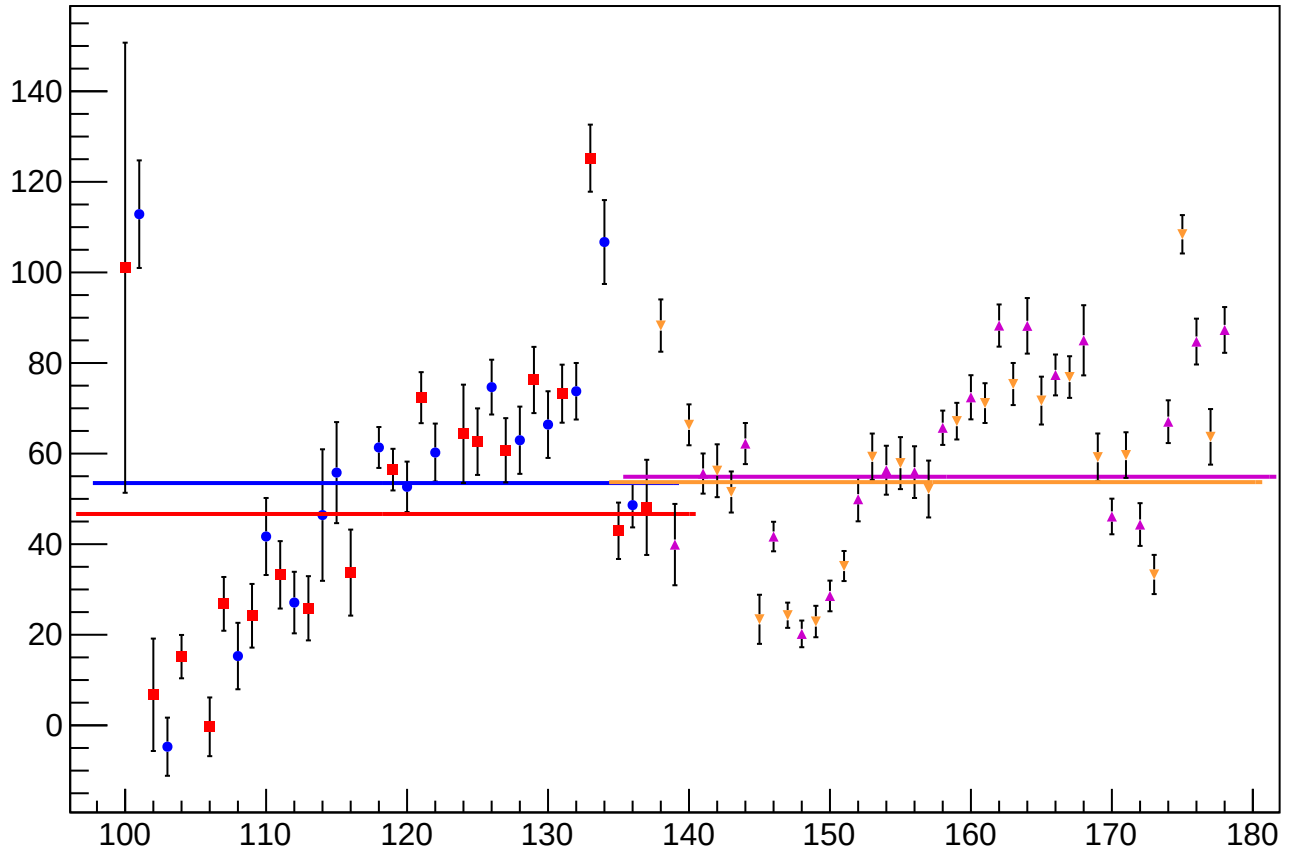
Left: 268.582+/-0.849 χ^2/NDF: 2557.3/40

Right: 306.088+/-1.083 χ^2/NDF: 9425.9/34

In: 286.405+/-0.959 χ^2/NDF:5688.3/35

Out: 279.509+/-0.931 χ^2/NDF:7011.7/39

All: 282.856+/-0.668 χ^2/NDF: 12726.6/75



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: 54.885+/-1.001 χ^2/NDF:456.7/19

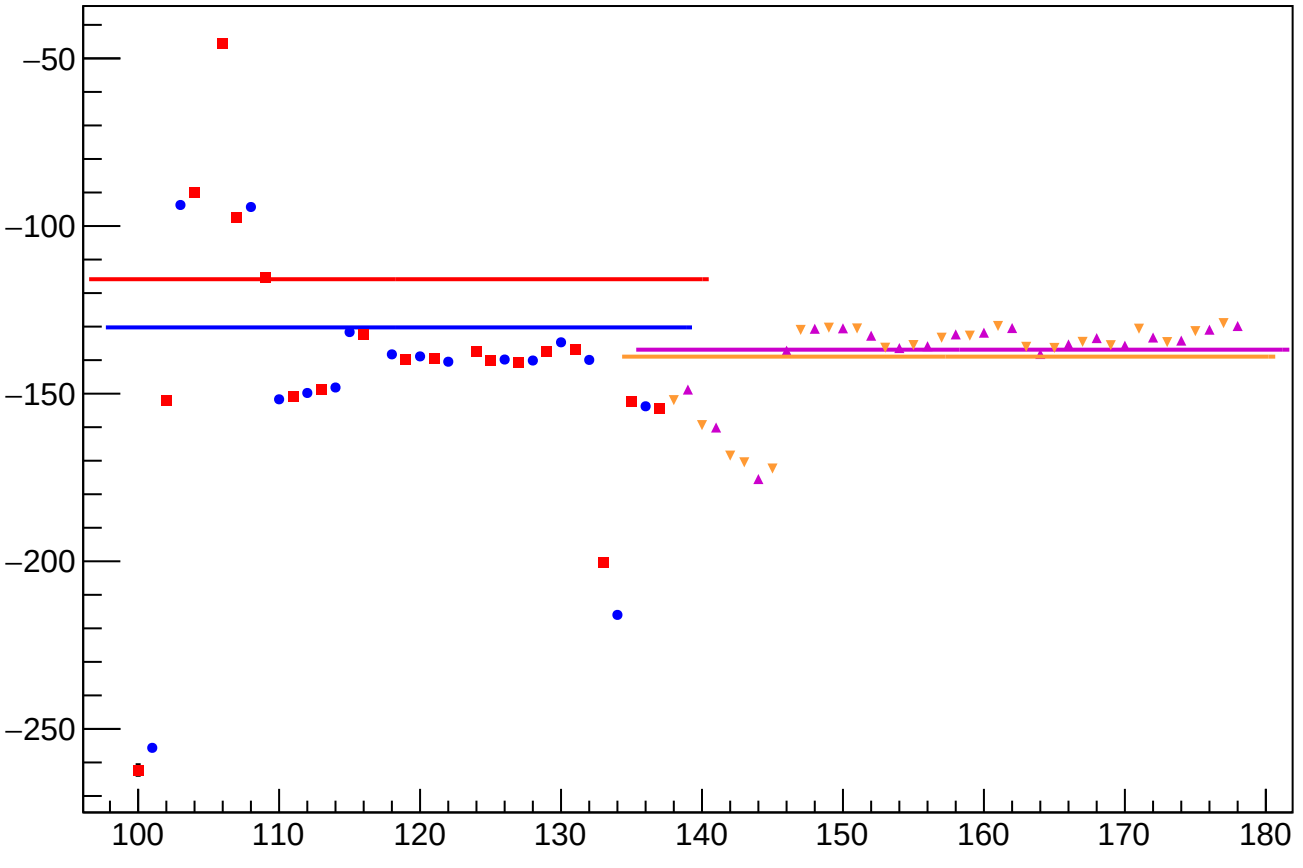
Left: 54.279+/-0.700 χ^2/NDF: 1035.4/40

Right: 49.861+/-1.162 χ^2/NDF: 551.4/34

In: 54.526+/-0.862 χ^2/NDF:674.4/35

Out: 51.768+/-0.835 χ^2/NDF:917.7/39

All: 53.102+/-0.600 χ^2/NDF: 1597.5/75



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: -136.879+/-0.046 χ^2/NDF:48711.1/19

Left: -137.910+/-0.033 χ^2/NDF: 129341.3/40

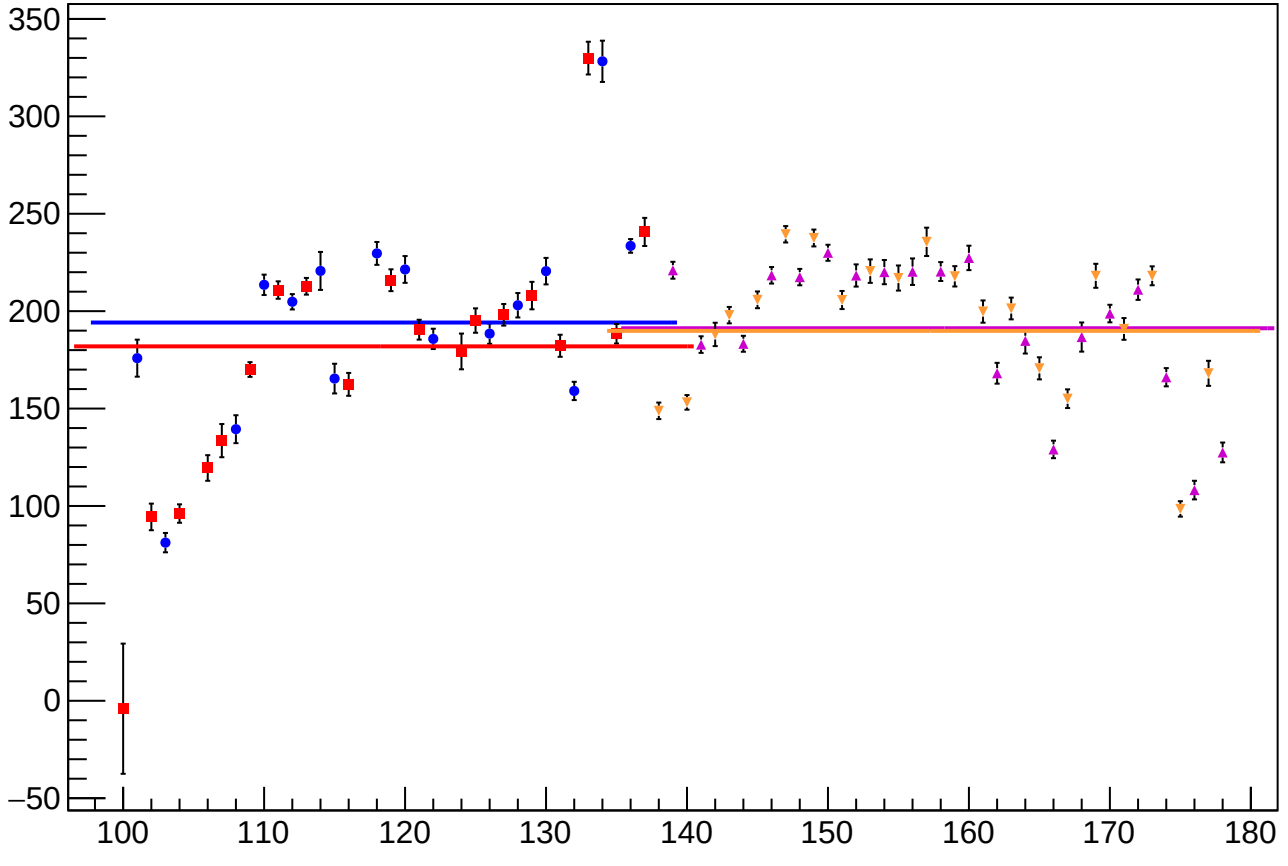
Right: -122.615+/-0.062 χ^2/NDF: 393311.6/34

In: -135.538+/-0.041 χ^2/NDF:227165.2/35

Out: -133.767+/-0.041 χ^2/NDF:341769.1/39

All: -134.646+/-0.029 χ^2/NDF: 569877.8/75

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: 191.229+/-1.101 χ^2/NDF:1072.5/19

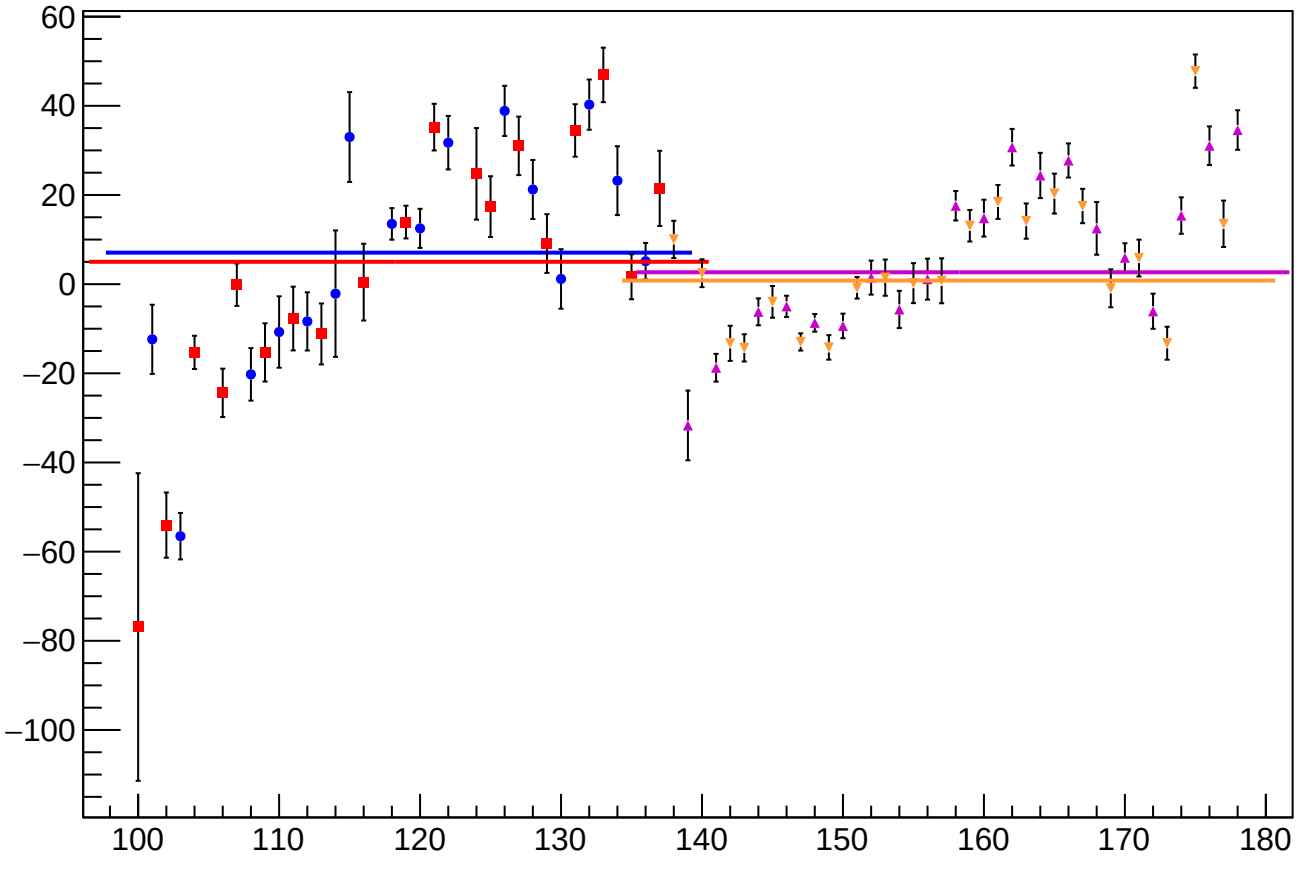
Left: 190.548+/-0.772 χ^2/NDF: 2335.4/40

Right: 187.666+/-0.963 χ^2/NDF: 2280.2/34

In: 192.344+/-0.867 χ^2/NDF:2110.4/35

Out: 186.696+/-0.837 χ^2/NDF:2488.8/39

All: 189.422+/-0.602 χ^2/NDF: 4621.1/75



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: 2.664+/-0.783 χ^2/NDF:391.3/19

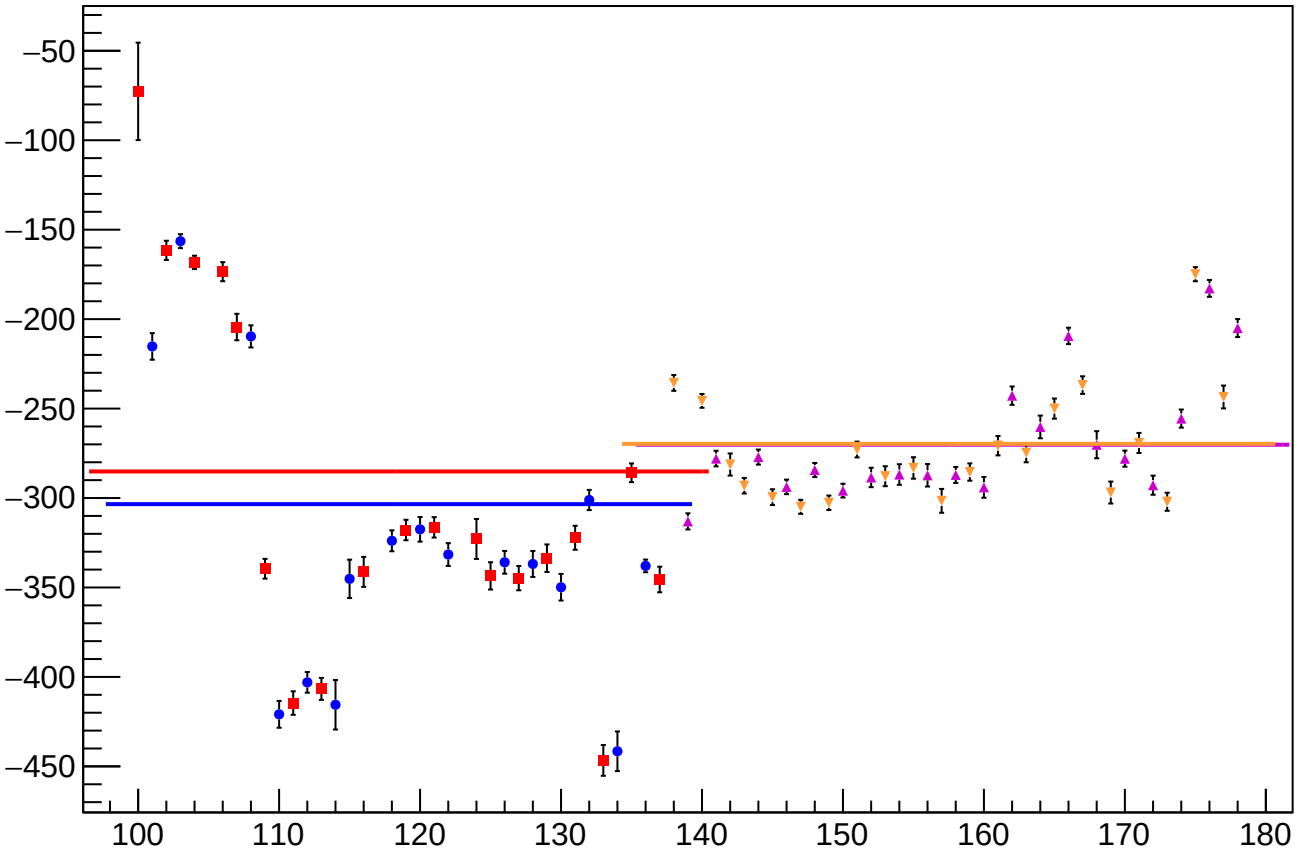
Left: 1.703+/-0.543 χ^2/NDF: 781.7/40

Right: 5.976+/-0.988 χ^2/NDF: 582.2/34

In: 3.665+/-0.688 χ^2/NDF:691.1/35

Out: 1.805+/-0.659 χ^2/NDF:683.4/39

All: 2.695+/-0.476 χ^2/NDF: 1378.3/75



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: -270.193+/-1.081 χ^2/NDF:992.9/19

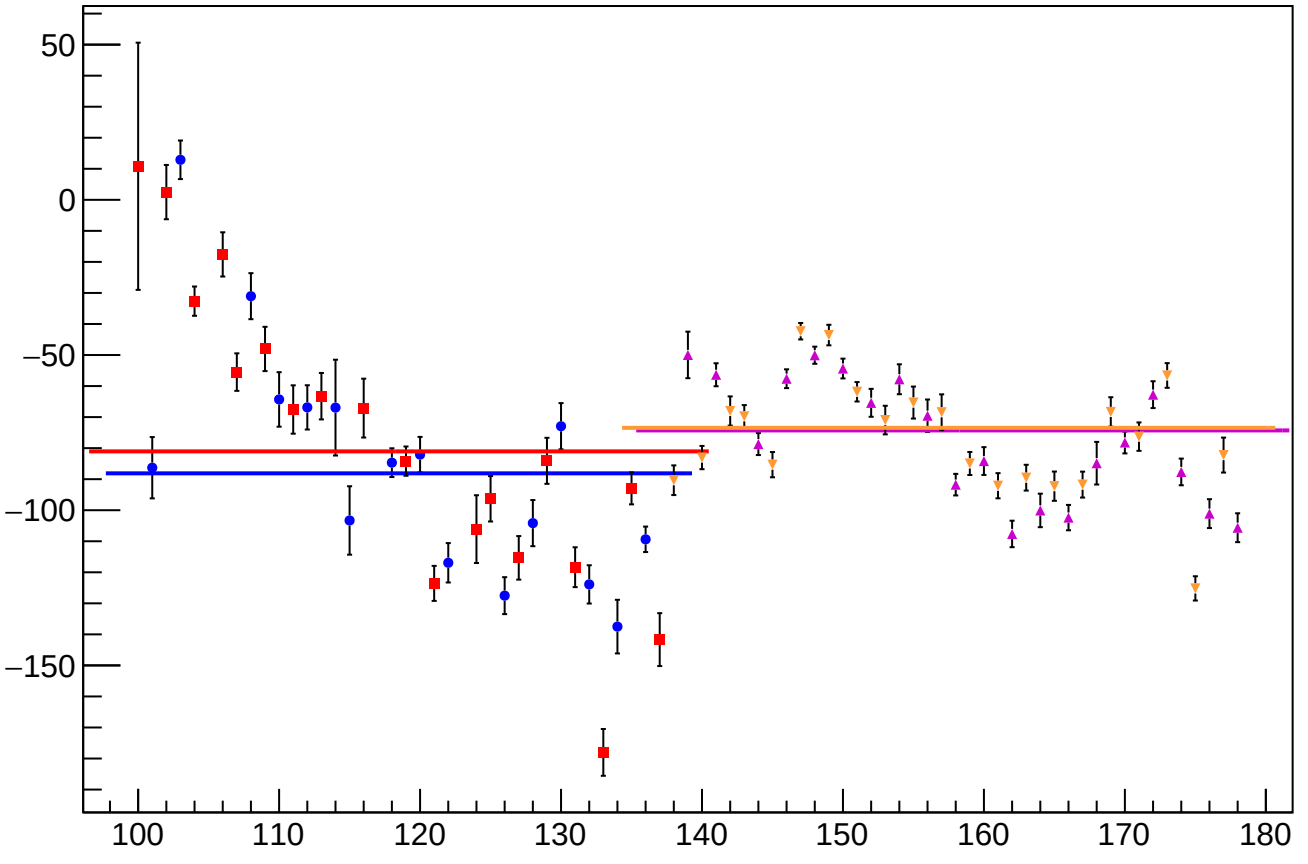
Left: -269.946+/-0.759 χ^2/NDF: 2079.0/40

Right: -293.794+/-1.053 χ^2/NDF: 6615.3/34

In: -281.258+/-0.883 χ^2/NDF:4092.6/35

Out: -275.122+/-0.859 χ^2/NDF:4914.4/39

All: -278.106+/-0.616 χ^2/NDF: 9031.8/75



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: -74.290+/-0.905 χ^2/NDF:458.7/19

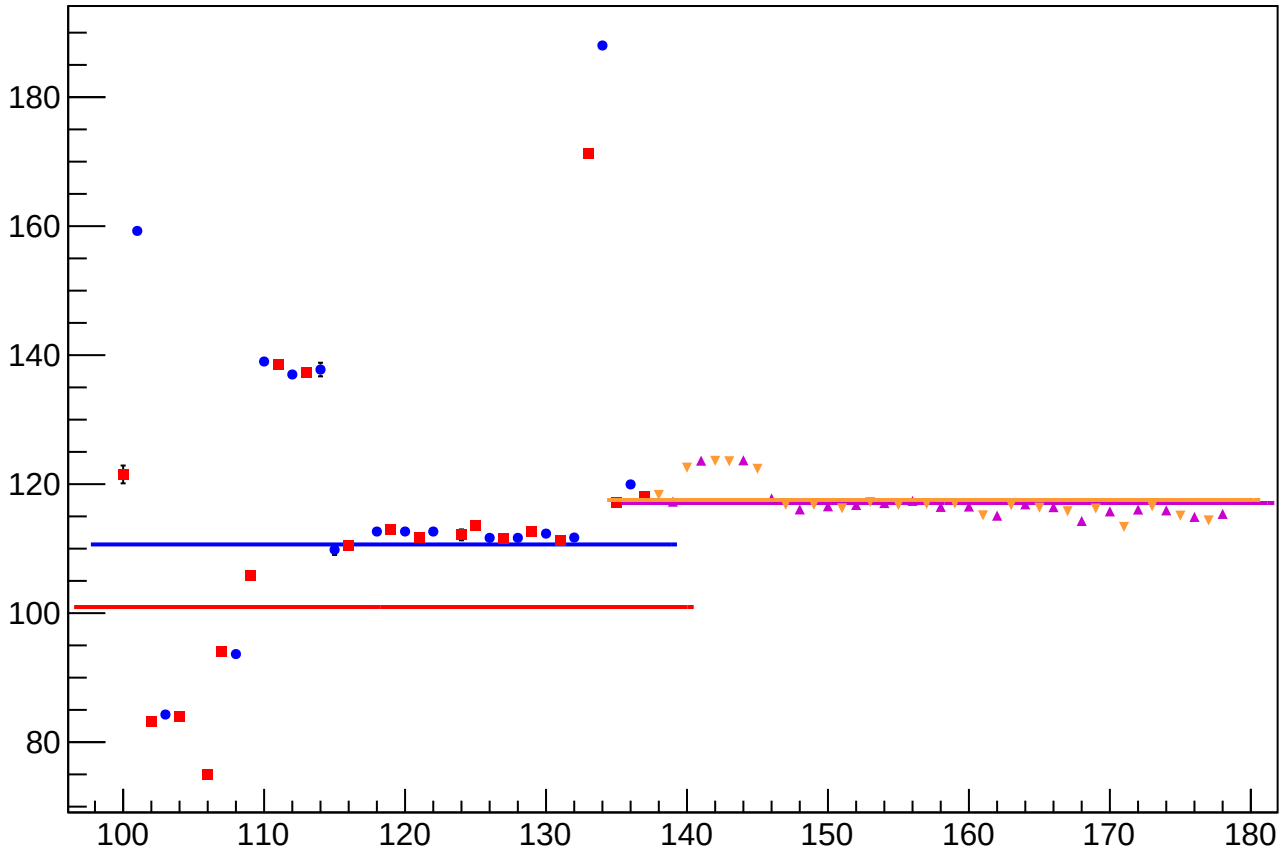
Left: -73.860+/-0.630 χ^2/NDF: 1003.4/40

Right: -84.394+/-1.139 χ^2/NDF: 1199.1/34

In: -77.471+/-0.794 χ^2/NDF:1024.4/35

Out: -75.268+/-0.767 χ^2/NDF:1239.6/39

All: -76.332+/-0.552 χ^2/NDF: 2268.0/75



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: 117.079+/-0.041 χ^2/NDF:3230.4/19

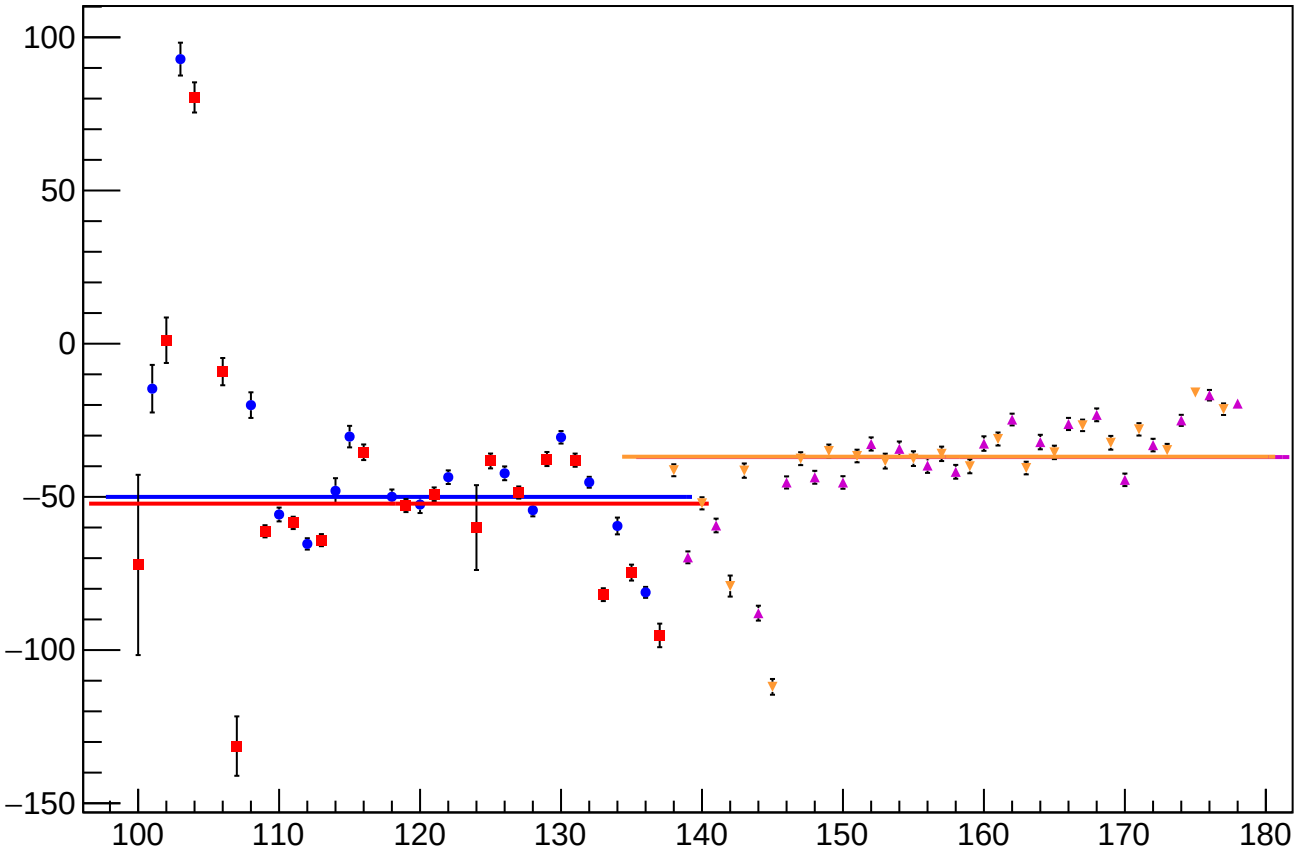
Left: 117.312+/-0.029 χ^2/NDF: 7948.8/40

Right: 105.518+/-0.059 χ^2/NDF: 152285.6/34

In: 115.875+/-0.037 χ^2/NDF:91311.6/35

Out: 114.132+/-0.037 χ^2/NDF:100023.9/39

All: 114.993+/-0.026 χ^2/NDF: 192448.6/75



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: -37.008+/-0.460 χ^2/NDF:1315.2/19

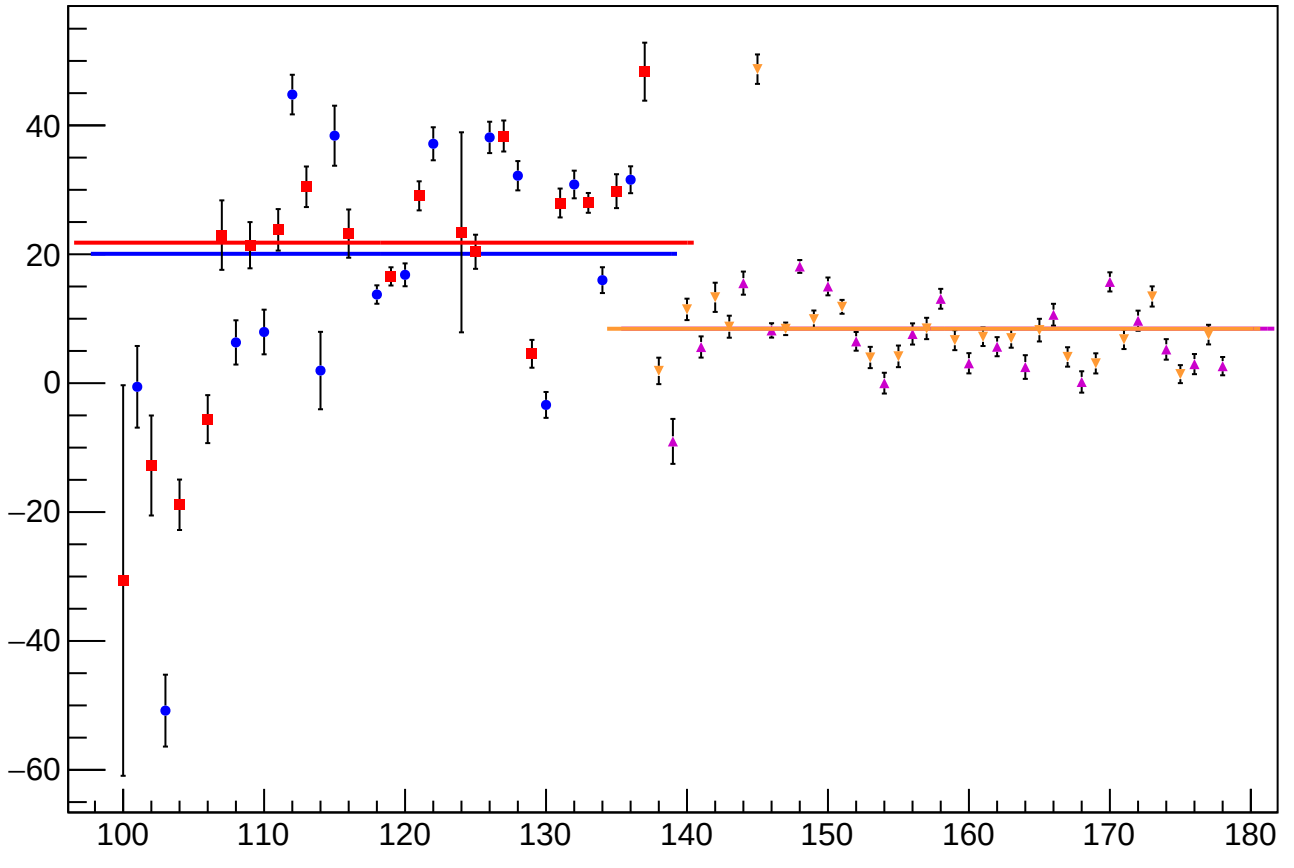
Left: -36.949+/-0.326 χ^2/NDF: 2725.2/40

Right: -51.116+/-0.430 χ^2/NDF: 2904.2/34

In: -41.721+/-0.367 χ^2/NDF:2932.1/35

Out: -42.523+/-0.367 χ^2/NDF:3385.6/39

All: -42.122+/-0.260 χ^2/NDF: 6320.0/75



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: 8.457+/-0.338 χ^2/NDF:308.5/19

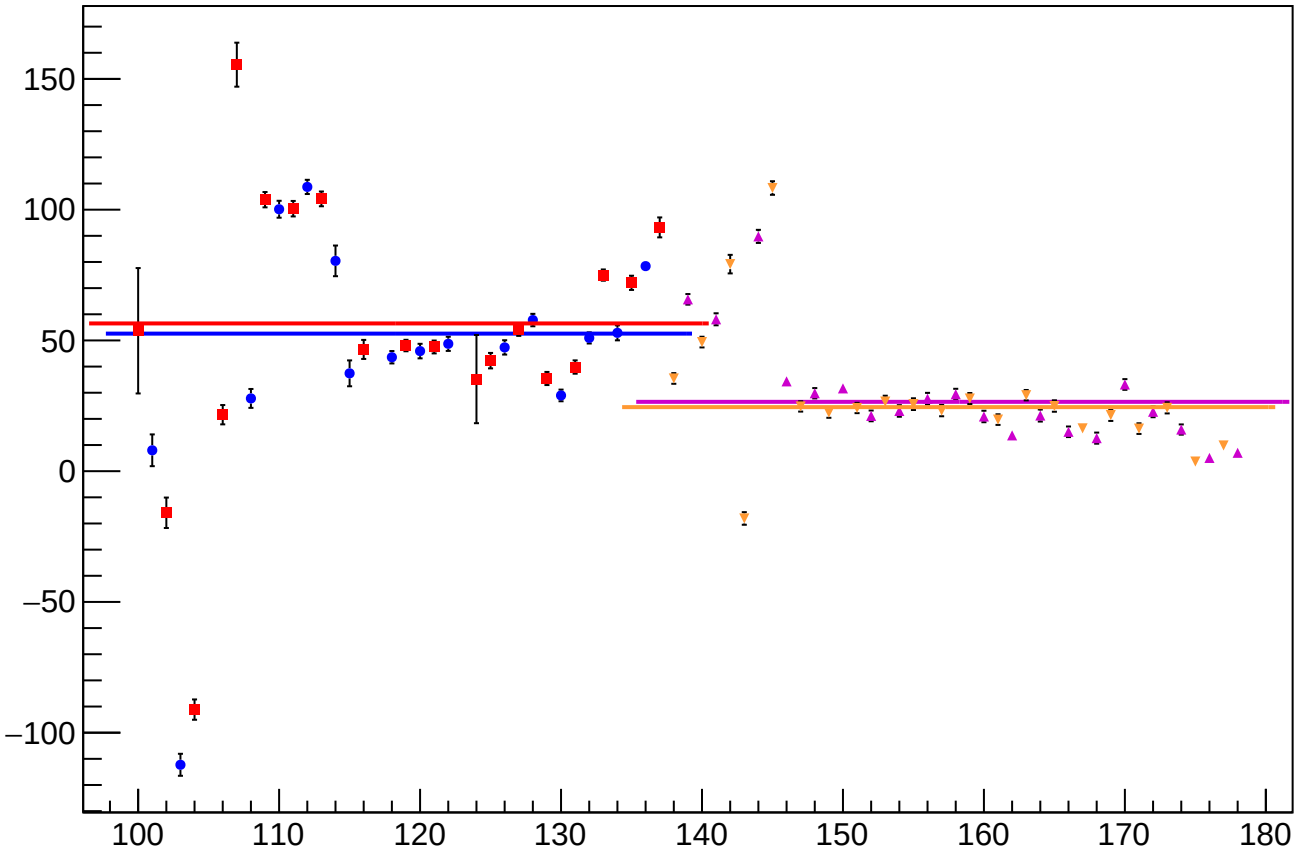
Left: 8.450+/-0.236 χ^2/NDF: 722.7/40

Right: 20.922+/-0.436 χ^2/NDF: 1036.5/34

In: 11.166+/-0.296 χ^2/NDF:1220.9/35

Out: 11.372+/-0.291 χ^2/NDF:1170.5/39

All: 11.271+/-0.207 χ^2/NDF: 2391.6/75



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: 26.518+/-0.452 χ^2/NDF:1728.2/19

Left: 25.509+/-0.320 χ^2/NDF: 3821.1/40

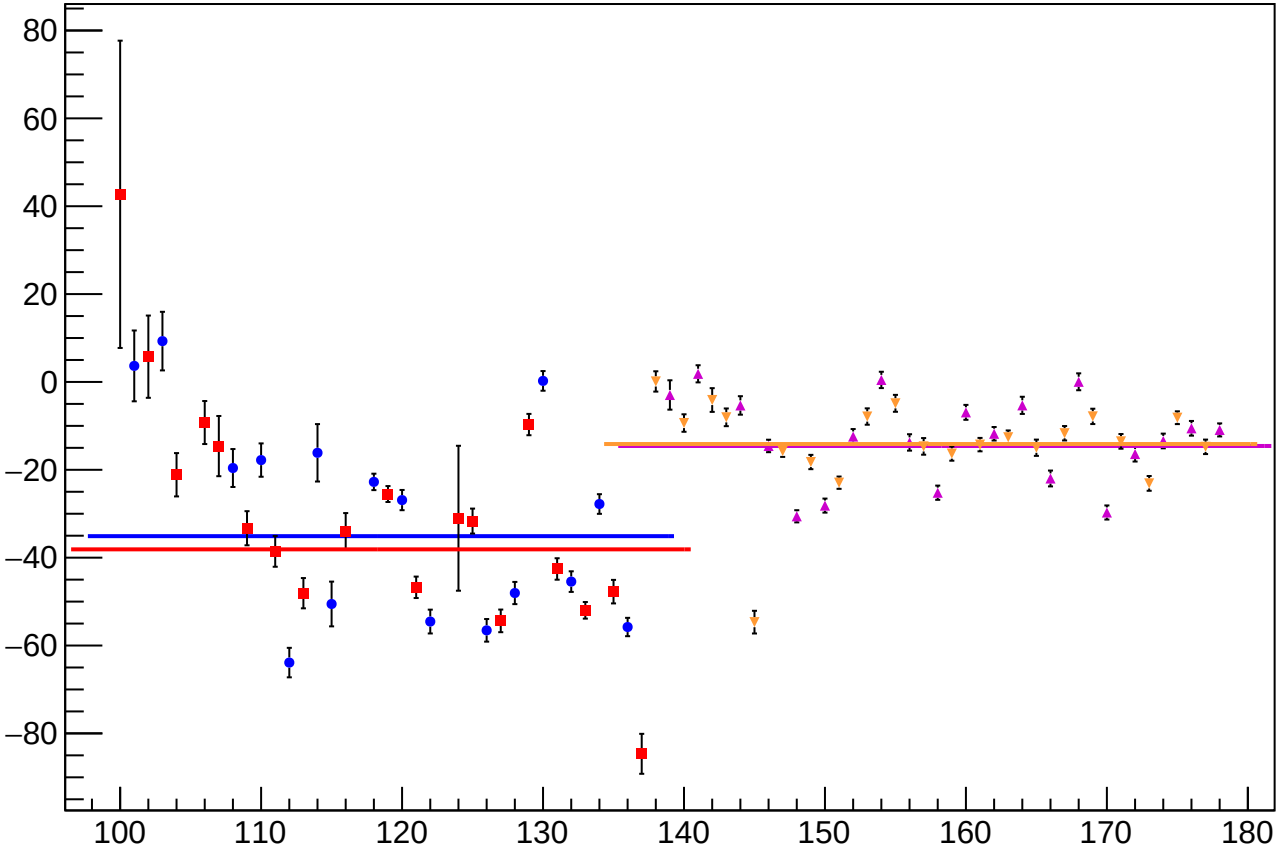
Right: 54.527+/-0.496 χ^2/NDF: 5640.4/34

In: 34.251+/-0.379 χ^2/NDF:5375.0/35

Out: 33.845+/-0.381 χ^2/NDF:6505.4/39

All: 34.049+/-0.269 χ^2/NDF: 11881.0/75

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -14.132+/-0.377 χ^2/NDF:458.5/20

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

Left In: -14.576+/-0.384 χ^2/NDF:640.6/19

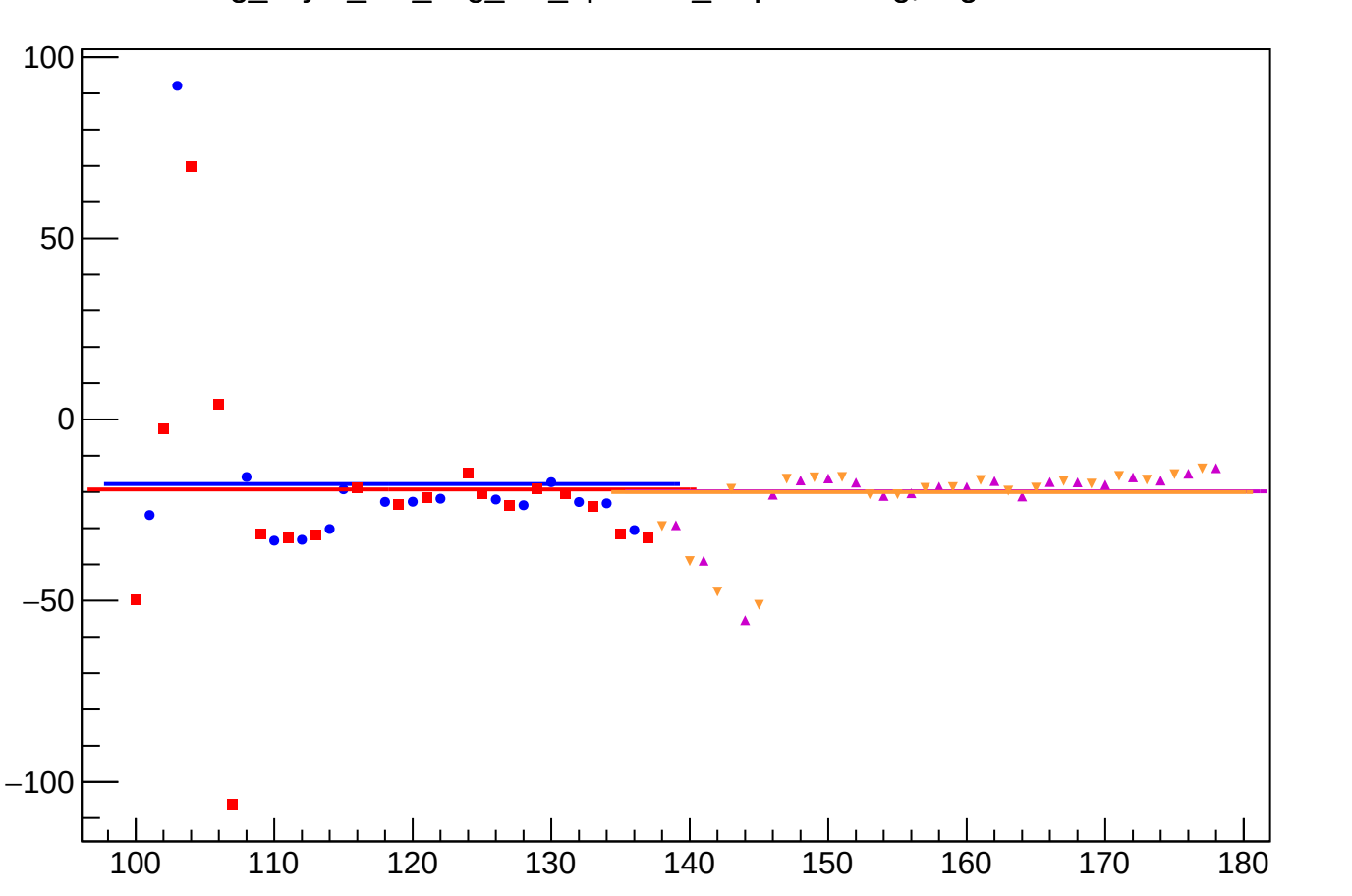
Left: -14.351+/-0.269 χ^2/NDF: 1099.8/40

Right: -36.577+/-0.500 χ^2/NDF: 1296.8/34

In: -19.320+/-0.337 χ^2/NDF:2074.8/35

Out: -19.366+/-0.334 χ^2/NDF:1855.0/39

All: -19.343+/-0.237 χ^2/NDF: 3929.9/75



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: -19.830+/-0.017 χ^2/NDF:187008.4/19

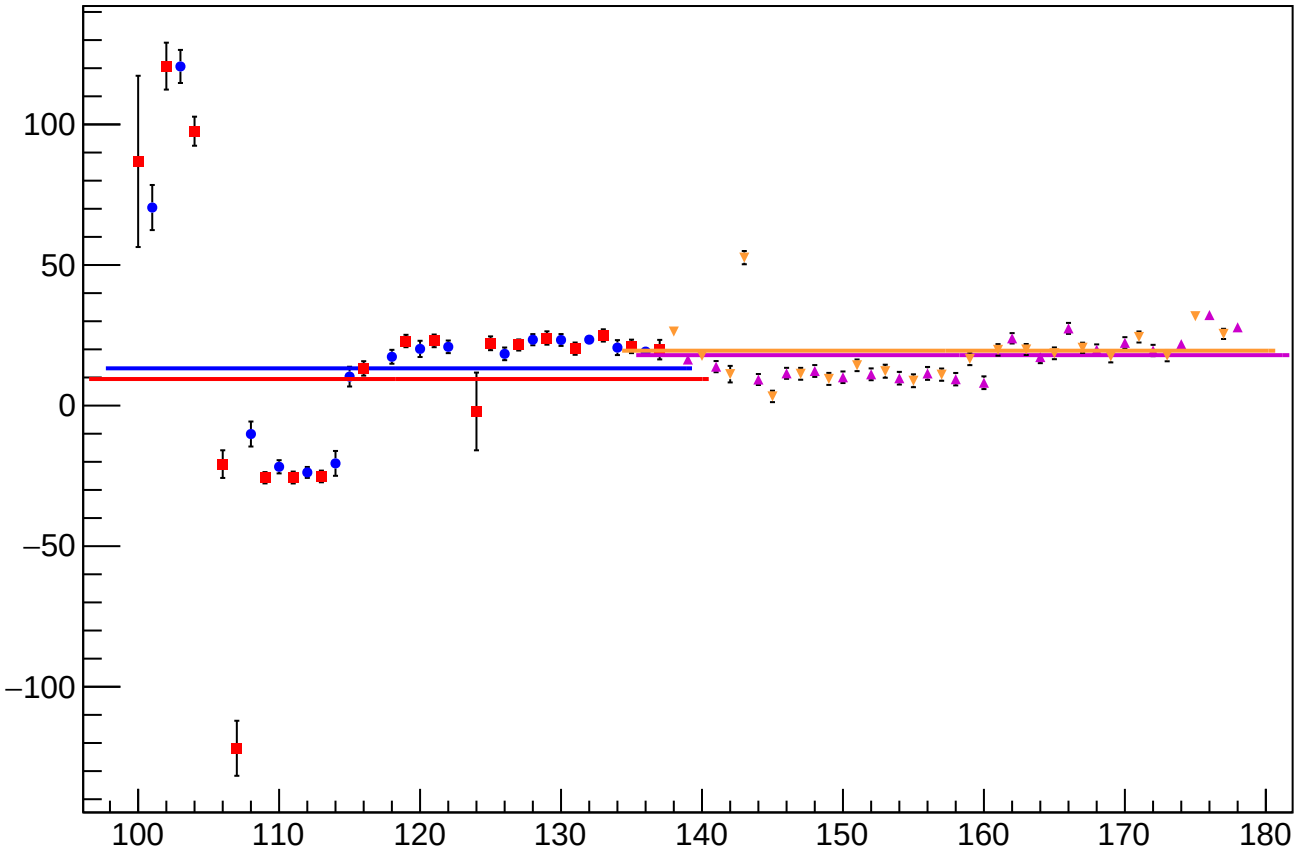
Left: -19.927+/-0.012 χ^2/NDF: 406970.3/40

Right: -18.516+/-0.032 χ^2/NDF: 771290.6/34

In: -19.561+/-0.016 χ^2/NDF:614991.4/35

Out: -19.939+/-0.016 χ^2/NDF:564734.0/39

All: -19.747+/-0.011 χ^2/NDF: 1180008.2/75



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: 17.939+/-0.437 χ^2/NDF:282.4/19

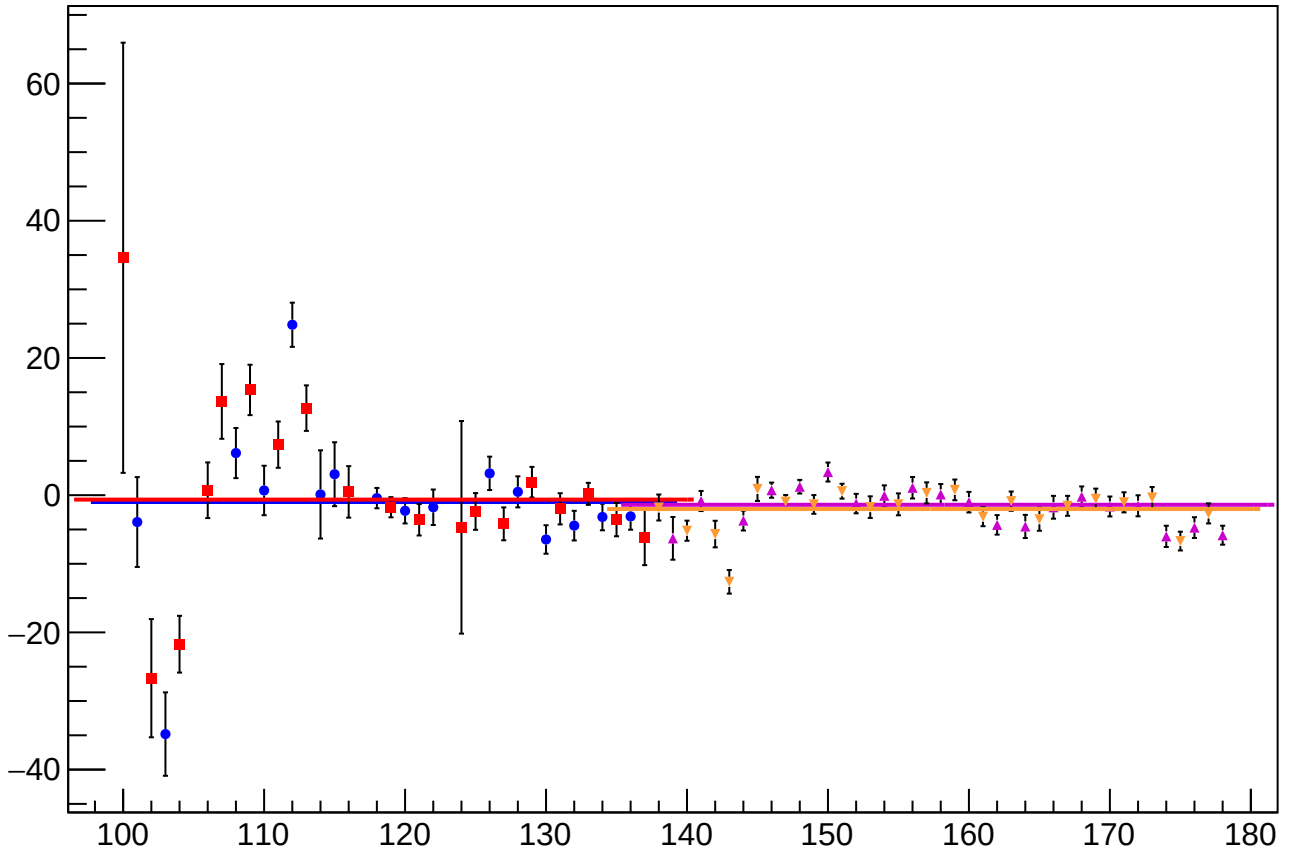
Left: 18.728+/-0.310 χ^2/NDF: 757.3/40

Right: 11.351+/-0.435 χ^2/NDF: 3038.2/34

In: 16.364+/-0.356 χ^2/NDF:1503.5/35

Out: 16.122+/-0.357 χ^2/NDF:2482.7/39

All: 16.243+/-0.252 χ^2/NDF: 3986.4/75



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: -1.400+/-0.324 χ^2/NDF:64.5/19

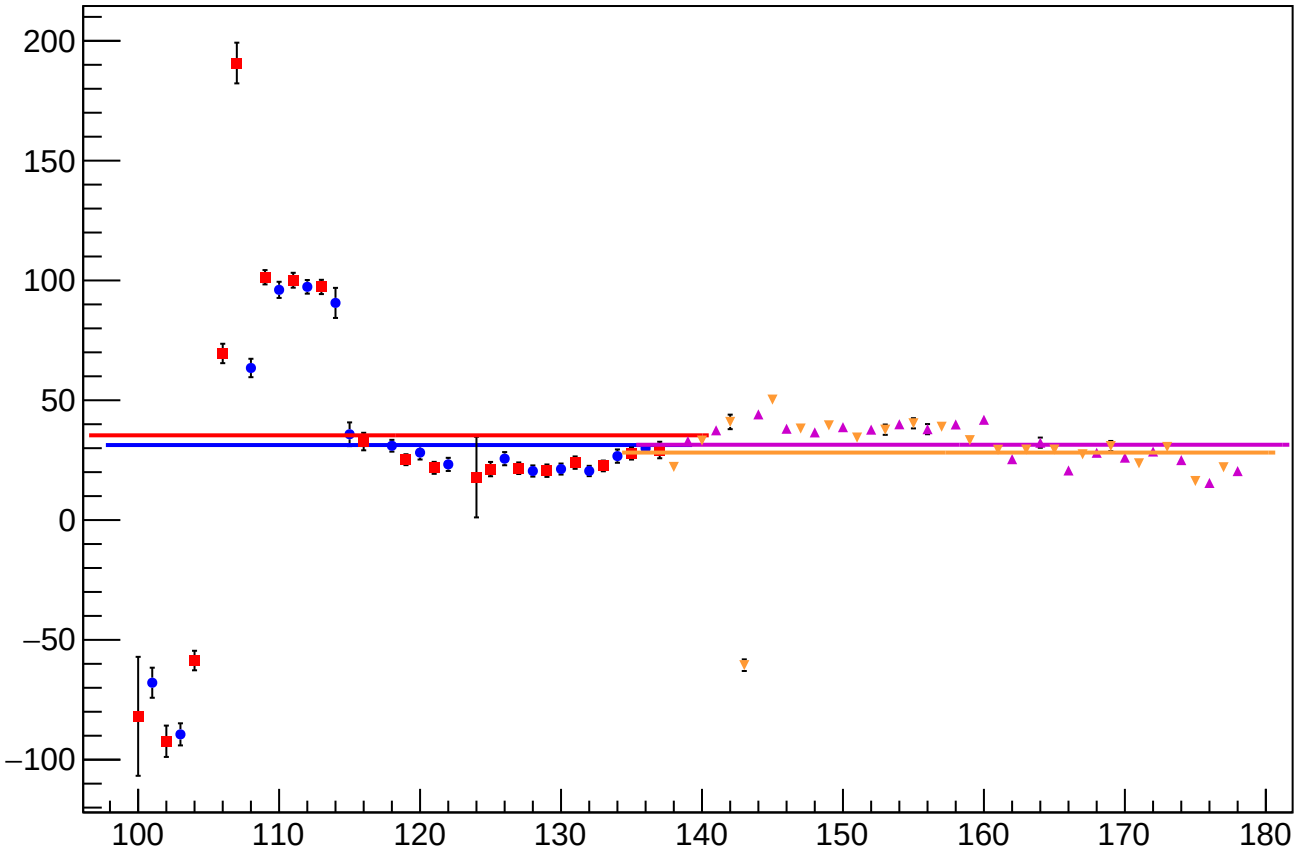
Left: -1.717+/-0.226 χ^2/NDF: 145.3/40

Right: -0.823+/-0.443 χ^2/NDF: 210.7/34

In: -1.313+/-0.287 χ^2/NDF:181.2/35

Out: -1.747+/-0.284 χ^2/NDF:176.9/39

All: -1.532+/-0.202 χ^2/NDF: 359.3/75



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: 31.432+/-0.430 χ^2/NDF:370.0/19

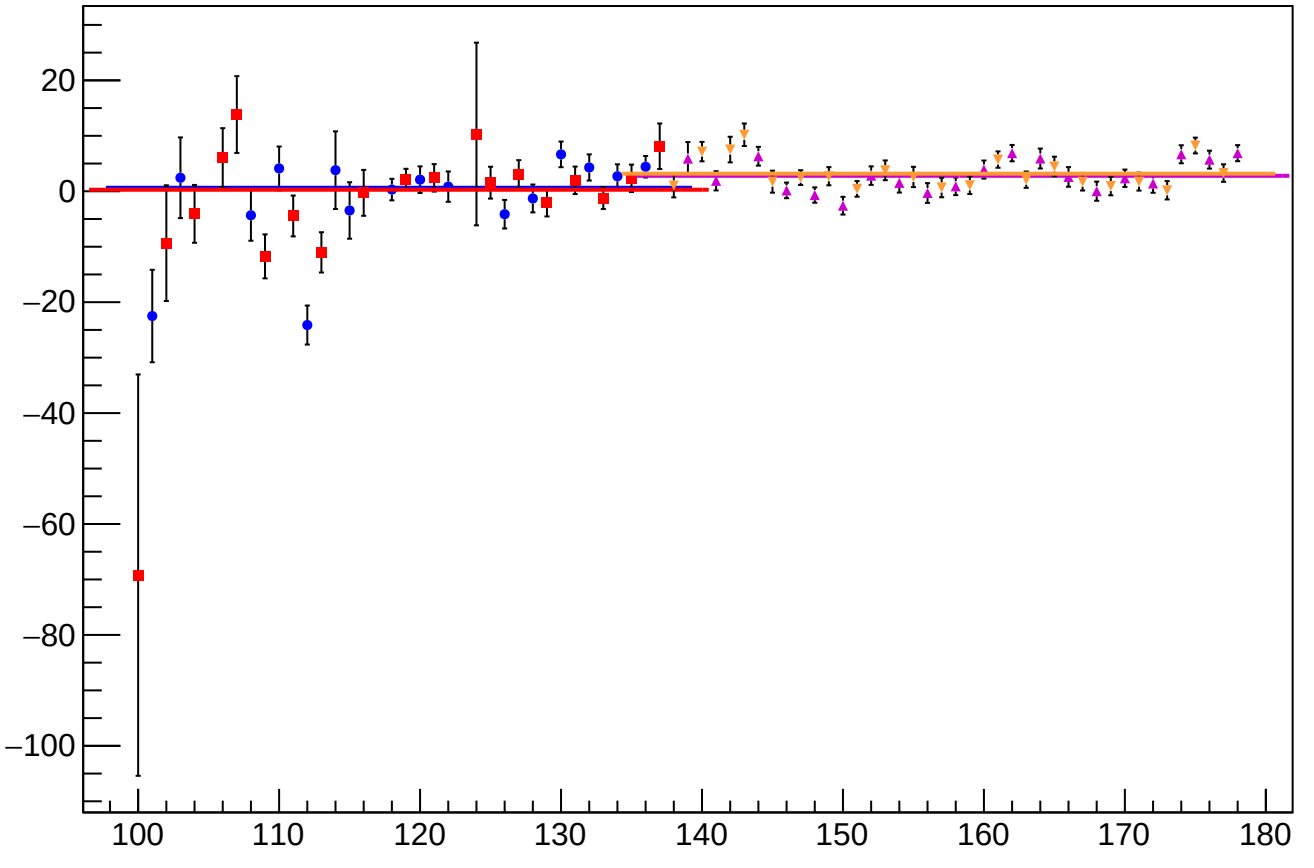
Left: 29.808+/-0.305 χ^2/NDF: 2130.4/40

Right: 33.289+/-0.501 χ^2/NDF: 4999.9/34

In: 31.398+/-0.367 χ^2/NDF:2455.9/35

Out: 30.087+/-0.370 χ^2/NDF:4703.4/39

All: 30.749+/-0.261 χ^2/NDF: 7165.6/75



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: 2.794+/-0.367 χ^2/NDF:63.3/19

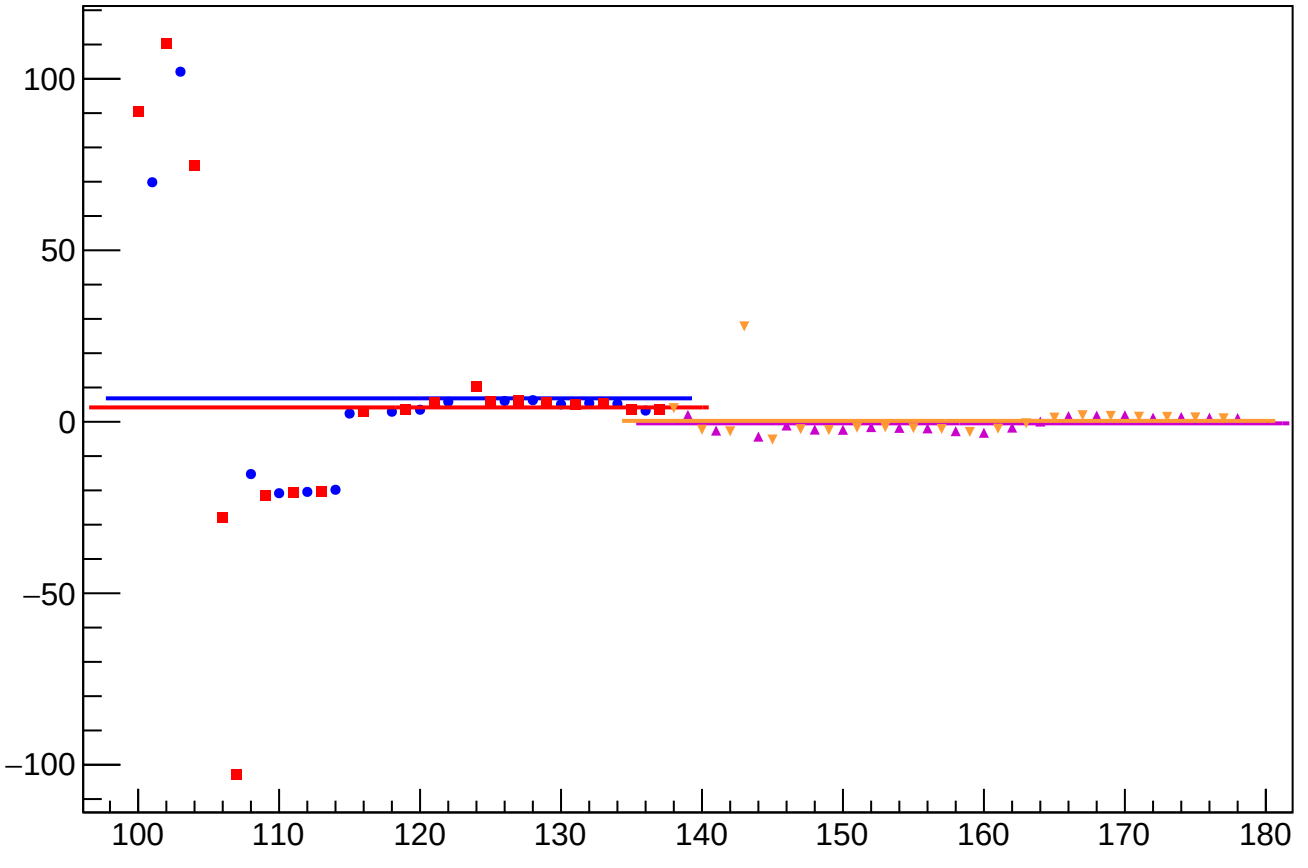
Left: 2.987+/-0.258 χ^2/NDF: 117.6/40

Right: 0.459+/-0.506 χ^2/NDF: 119.0/34

In: 2.332+/-0.326 χ^2/NDF:149.1/35

Out: 2.598+/-0.324 χ^2/NDF:107.1/39

All: 2.466+/-0.230 χ^2/NDF: 256.5/75



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: -0.453+/-0.016 χ^2/NDF:14433.7/19

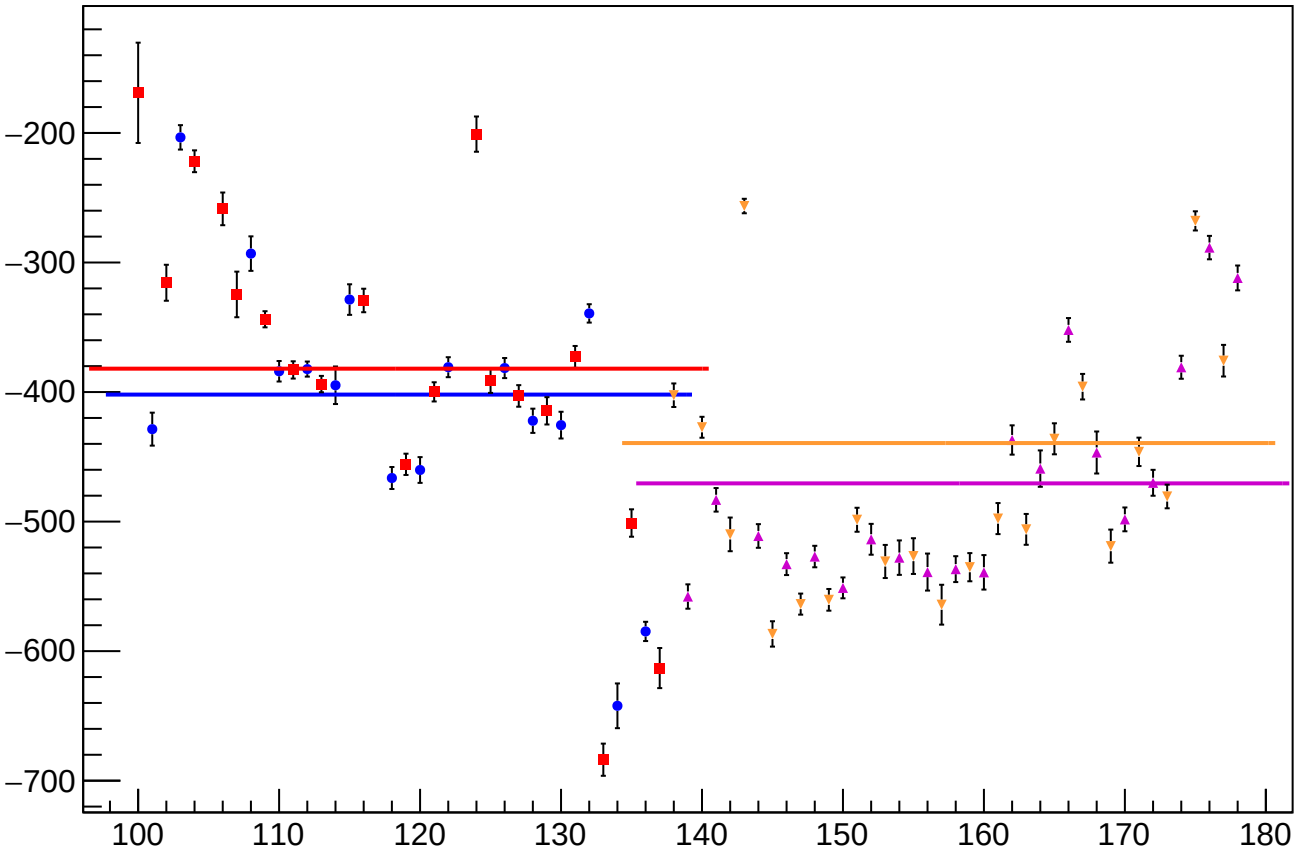
Left: -0.094+/-0.011 χ^2/NDF: 109397.4/40

Right: 5.616+/-0.031 χ^2/NDF: 757263.1/34

In: 0.455+/-0.015 χ^2/NDF:360739.3/35

Out: 0.701+/-0.015 χ^2/NDF:534902.2/39

All: 0.576+/-0.011 χ^2/NDF: 895772.1/75



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: -470.496+/-2.243 χ^2/NDF:1402.2/19

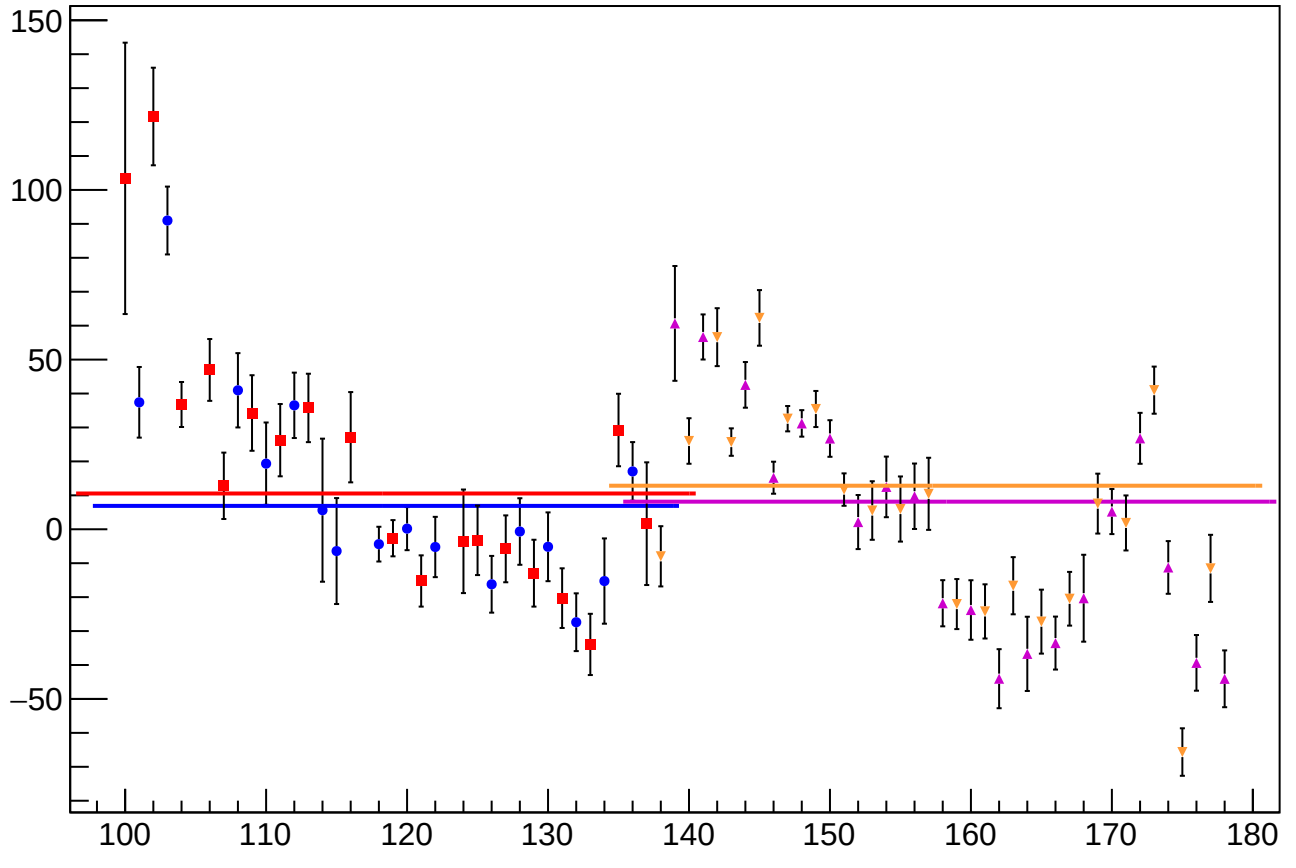
Left: -454.019+/-1.539 χ^2/NDF: 4267.2/40

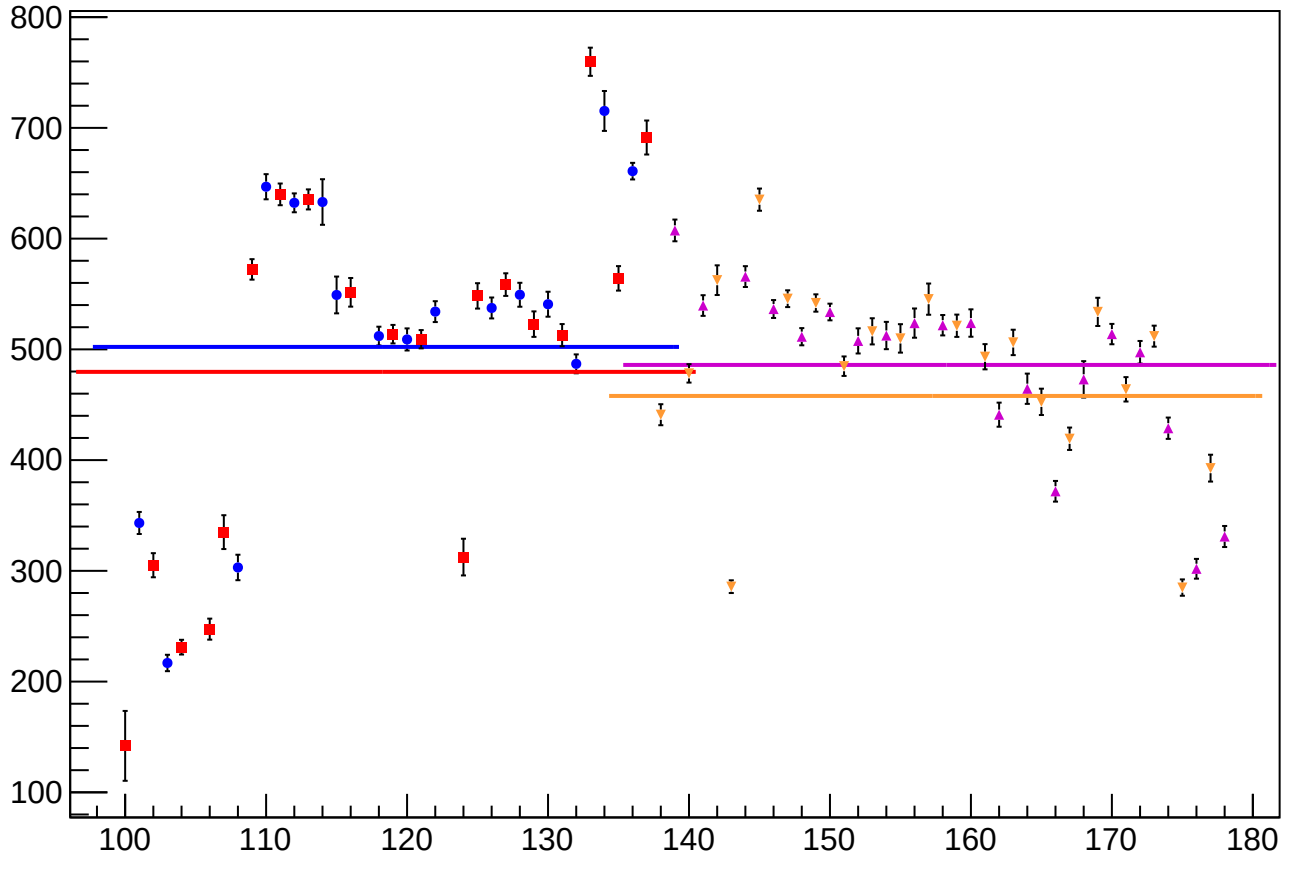
Right: -391.443+/-1.540 χ^2/NDF: 3422.8/34

In: -436.125+/-1.584 χ^2/NDF:3433.7/35

Out: -410.785+/-1.499 χ^2/NDF:4947.3/39

All: -422.759+/-1.089 χ^2/NDF: 8516.1/75


reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
150
100
50
0
−50
100
110
120
130
140
150
160
170
180
Right In: 6.889+/-2.264 χ²/NDF: 138.4/15
Left Out: 12.836+/-1.469 χ²/NDF:371.9/20
Right Out: 10.544+/-2.197 χ²/NDF: 180.0/18
Left In: 8.133+/-1.587 χ²/NDF:342.9/19
Left: 10.666+/-1.078 χ²/NDF: 719.5/40
Right: 8.772+/-1.577 χ²/NDF: 319.8/34
In: 7.723+/-1.300 χ²/NDF:481.6/35
Out: 12.128+/-1.221 χ²/NDF:552.7/39
All: 10.063+/-0.890 χ²/NDF: 1040.3/75



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: 485.944+/-2.203 χ^2/NDF:1295.3/19

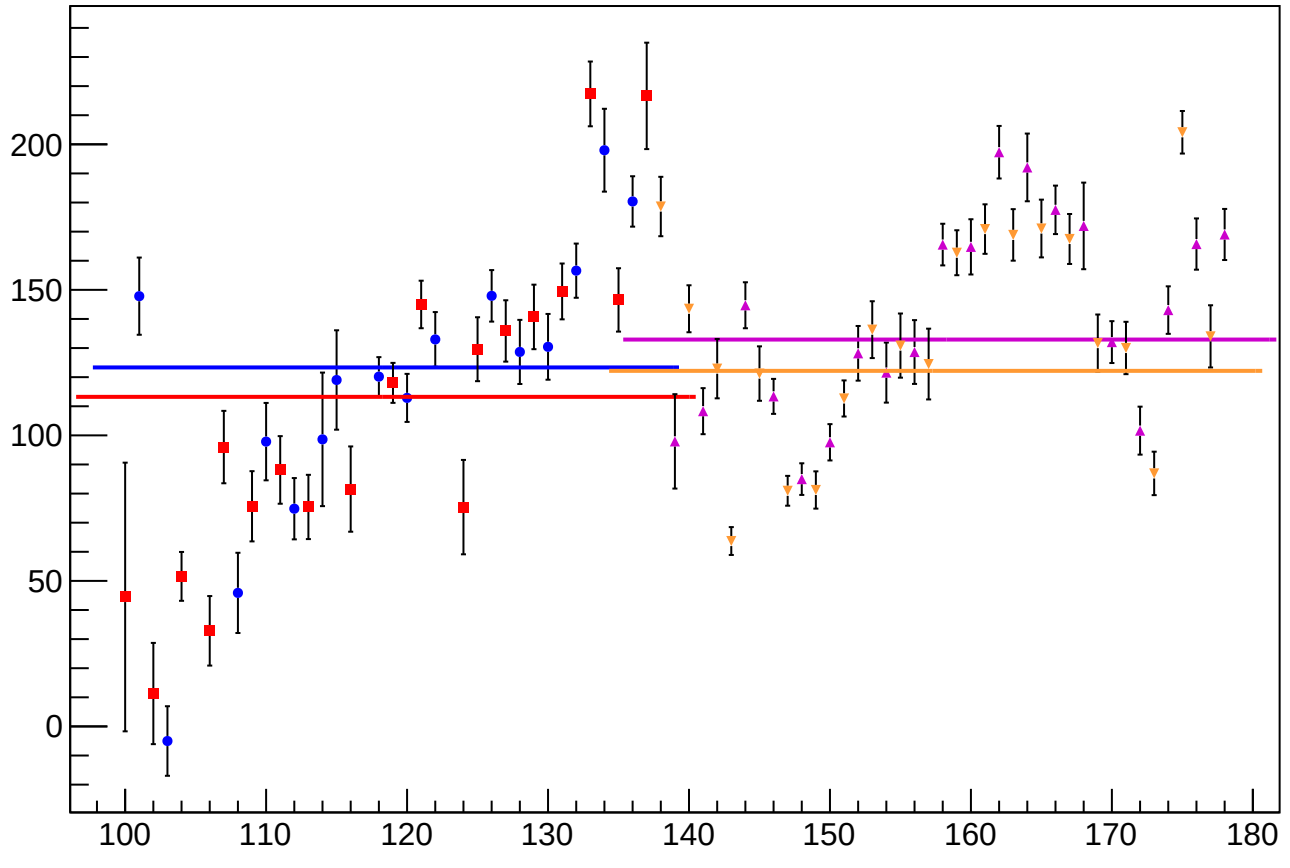
Left: 471.200+/-1.516 χ^2/NDF: 3728.4/40

Right: 490.515+/-1.729 χ^2/NDF: 7316.1/34

In: 493.079+/-1.651 χ^2/NDF:4454.4/35

Out: 467.315+/-1.576 χ^2/NDF:6533.2/39

All: 479.598+/-1.140 χ^2/NDF: 11115.1/75



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: 132.920+/-1.837 χ^2/NDF:329.6/19

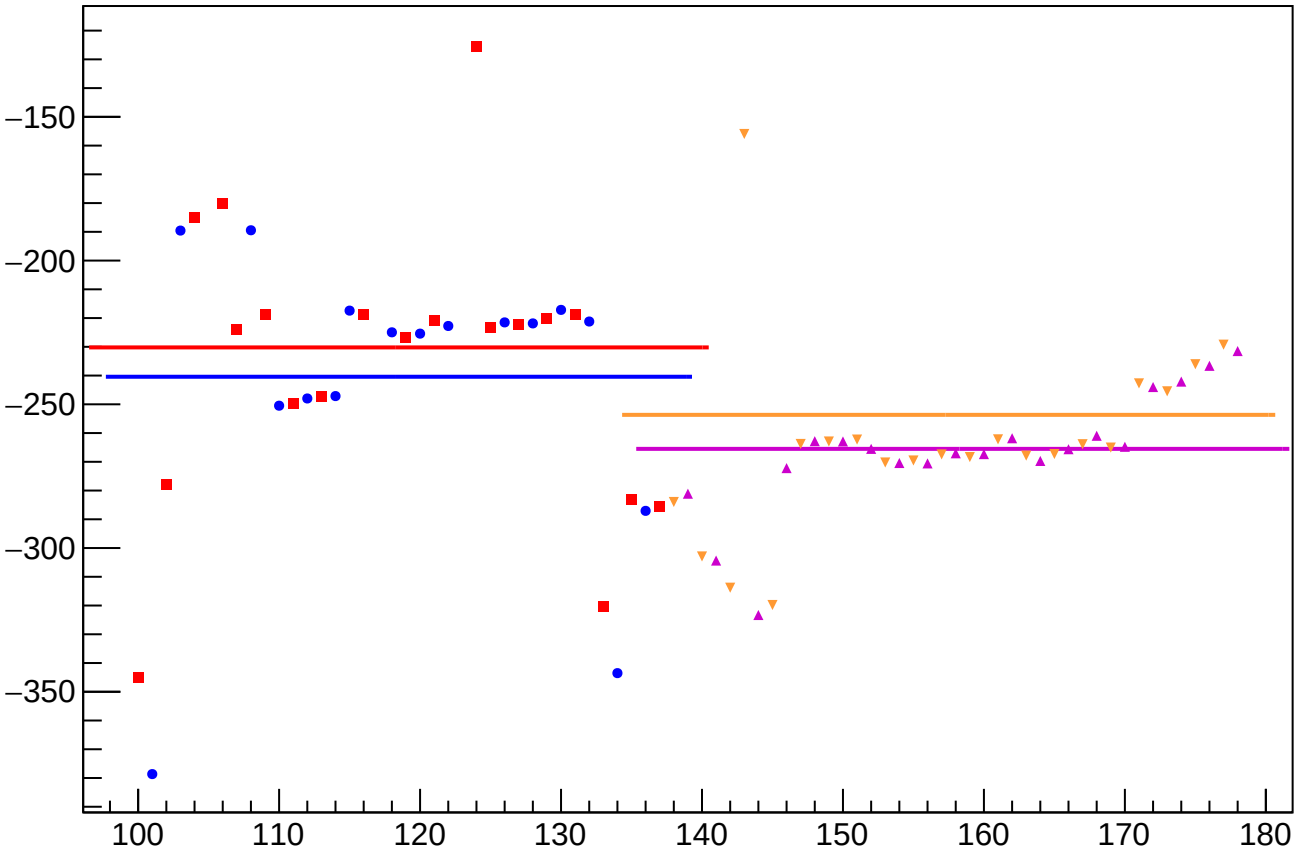
Left: 127.184+/-1.255 χ^2/NDF: 936.5/40

Right: 118.129+/-1.828 χ^2/NDF: 624.8/34

In: 129.775+/-1.506 χ^2/NDF:609.9/35

Out: 119.371+/-1.424 χ^2/NDF:942.9/39

All: 124.283+/-1.035 χ^2/NDF: 1578.0/75



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: -265.500+/-0.084 χ^2/NDF:52995.9/19

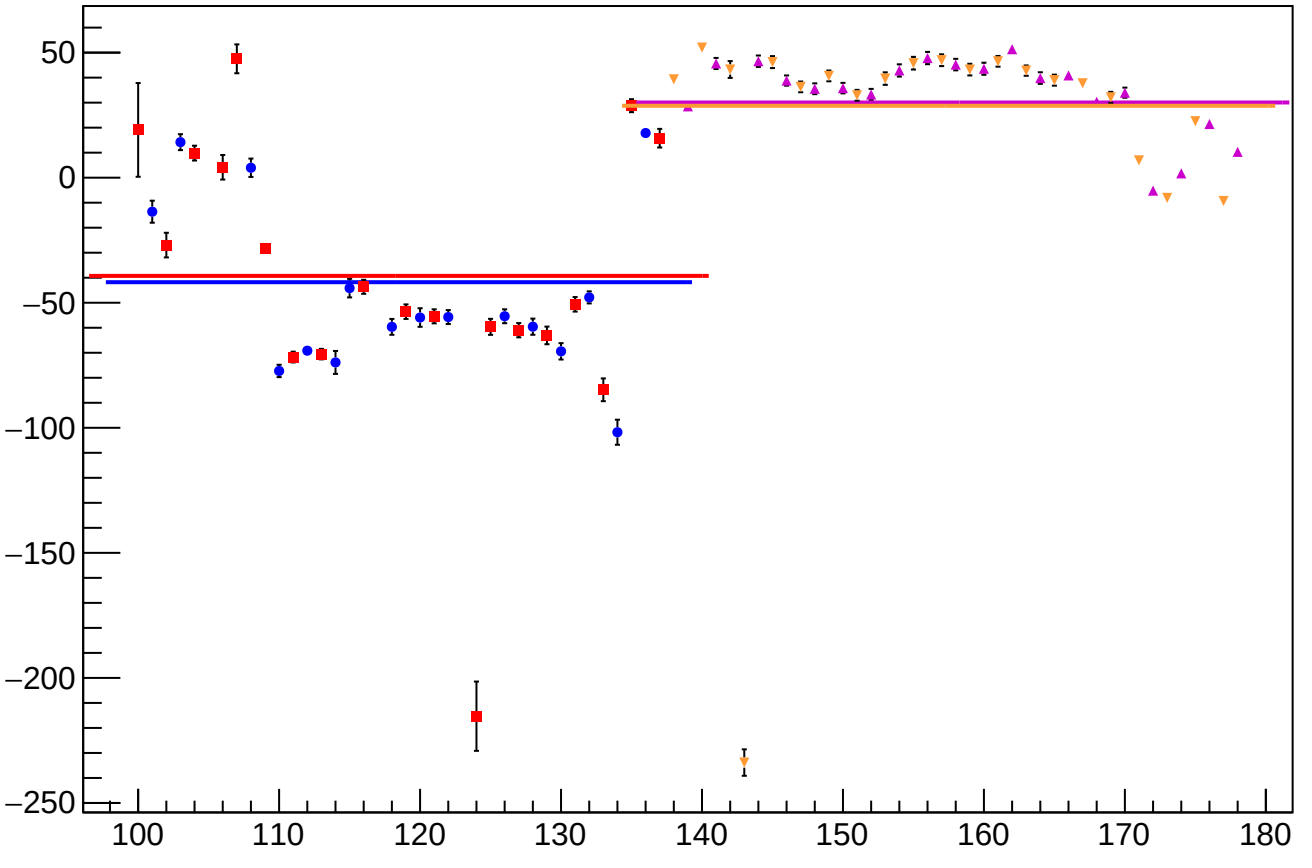
Left: -259.386+/-0.059 χ^2/NDF: 312620.4/40

Right: -235.167+/-0.105 χ^2/NDF: 219942.1/34

In: -259.531+/-0.073 χ^2/NDF:208293.0/35

Out: -248.132+/-0.071 χ^2/NDF:352437.2/39

All: -253.649+/-0.051 χ^2/NDF: 573150.6/75



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: 30.061+/-0.450 χ^2/NDF:1321.6/19

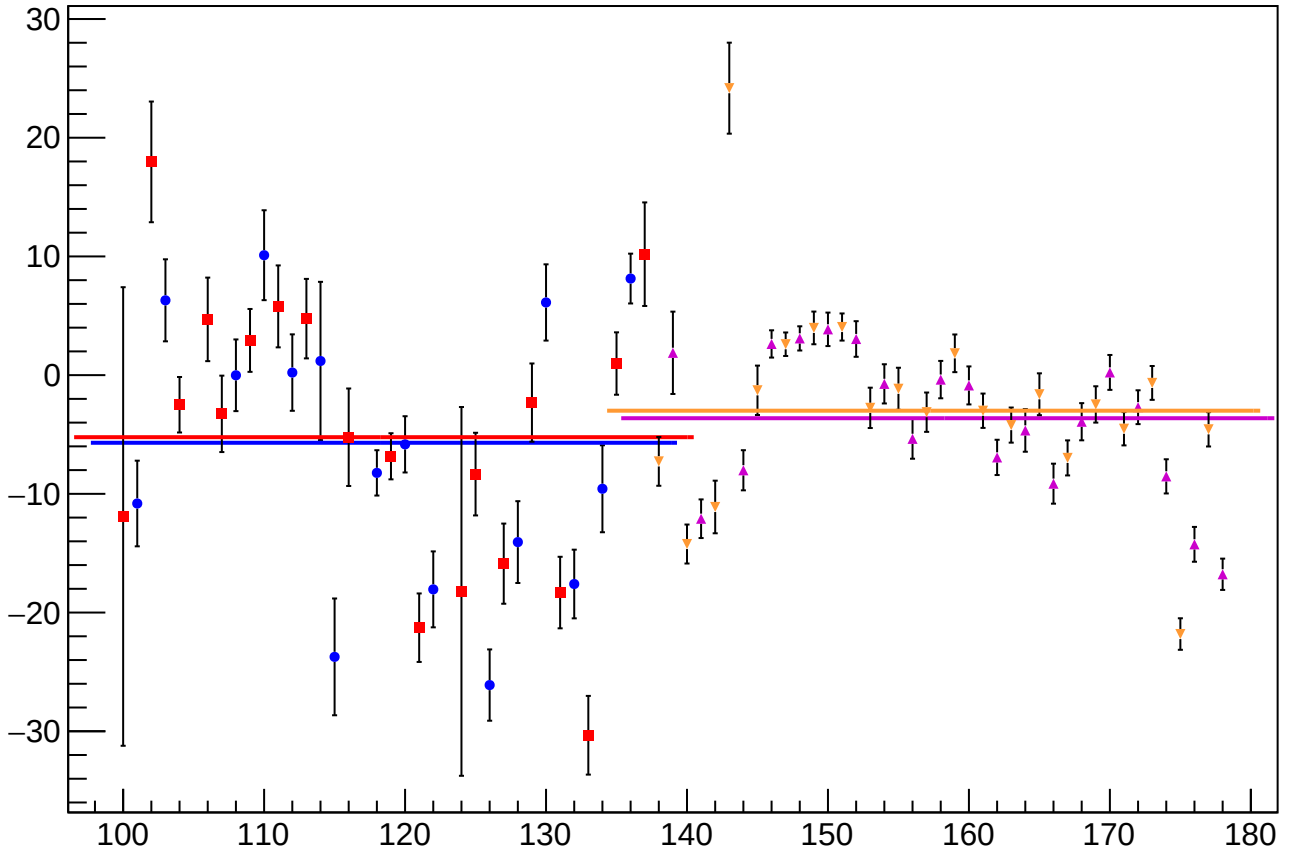
Left: 29.424+/-0.322 χ^2/NDF: 5396.7/40

Right: -40.447+/-0.495 χ^2/NDF: 4890.2/34

In: 10.006+/-0.382 χ^2/NDF:10843.5/35

Out: 7.275+/-0.382 χ^2/NDF:13402.1/39

All: 8.640+/-0.270 χ^2/NDF: 24271.2/75



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: -3.629+/-0.333 χ^2/NDF:355.7/19

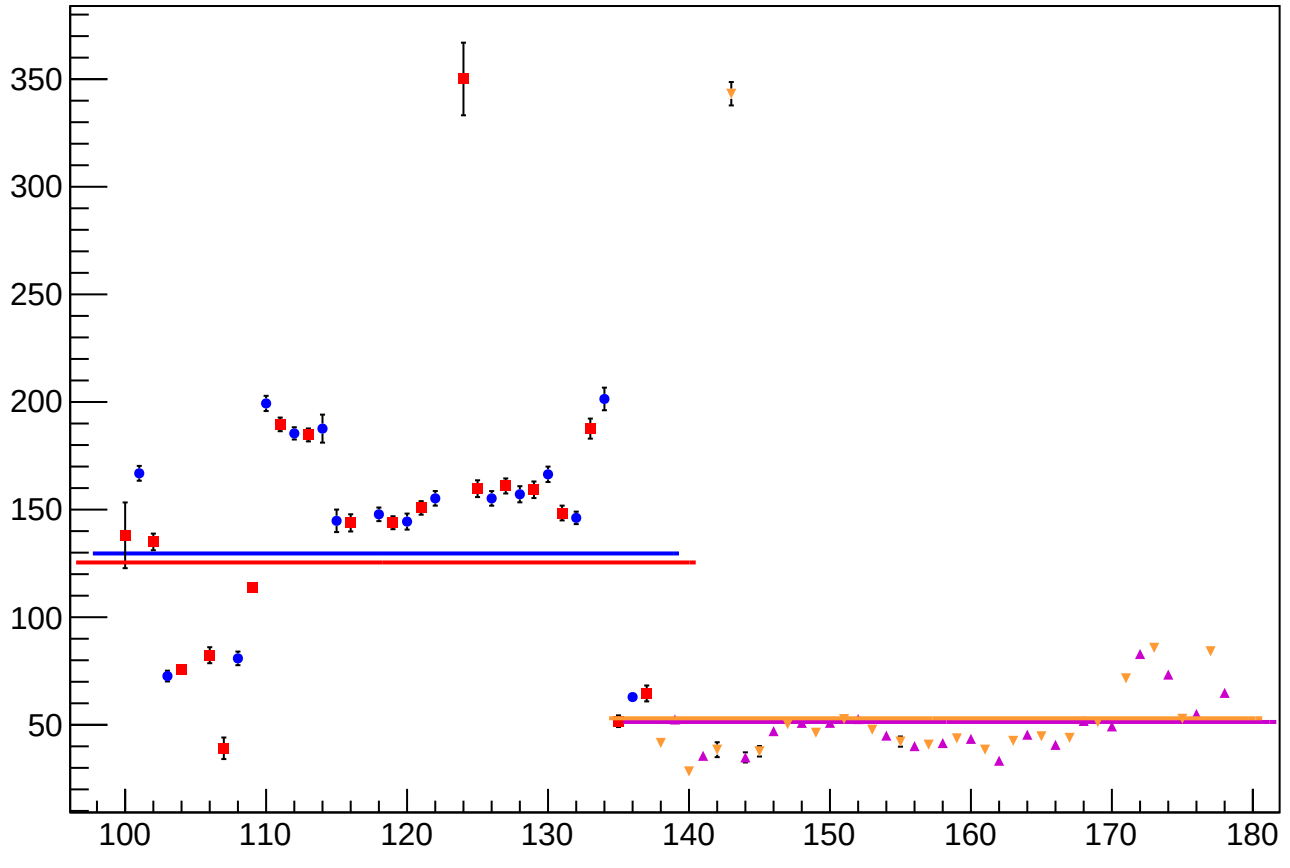
Left: -3.312+/-0.235 χ^2/NDF: 793.4/40

Right: -5.458+/-0.528 χ^2/NDF: 394.3/34

In: -3.968+/-0.305 χ^2/NDF:558.7/35

Out: -3.371+/-0.303 χ^2/NDF:640.8/39

All: -3.668+/-0.215 χ^2/NDF: 1201.4/75



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: 51.327+/-0.443 χ^2/NDF:814.4/19

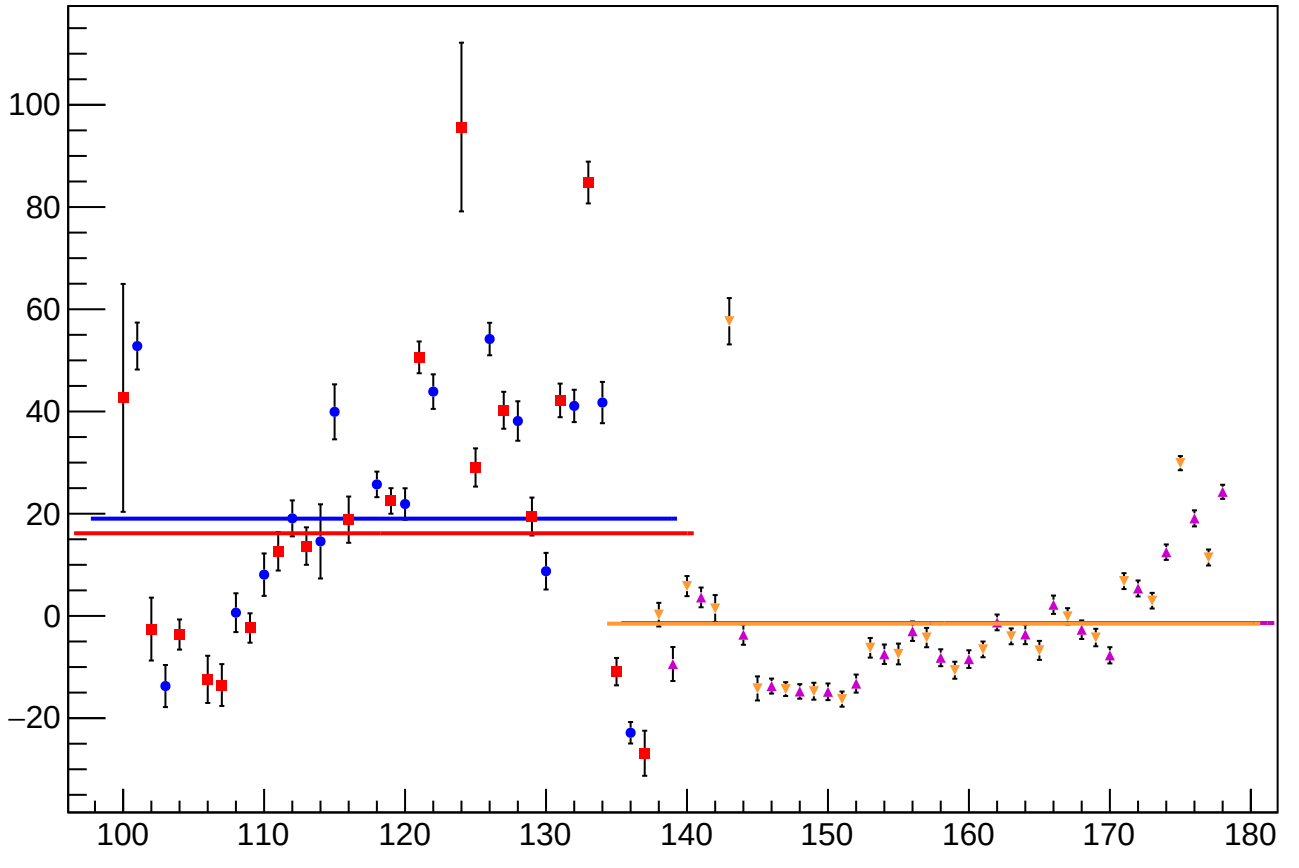
Left: 52.164+/-0.317 χ^2/NDF: 4800.4/40

Right: 127.500+/-0.562 χ^2/NDF: 7141.4/34

In: 69.708+/-0.388 χ^2/NDF:11756.8/35

Out: 71.018+/-0.394 χ^2/NDF:13797.3/39

All: 70.354+/-0.276 χ^2/NDF: 25559.7/75



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: -1.382+/-0.378 χ^2/NDF:970.7/19

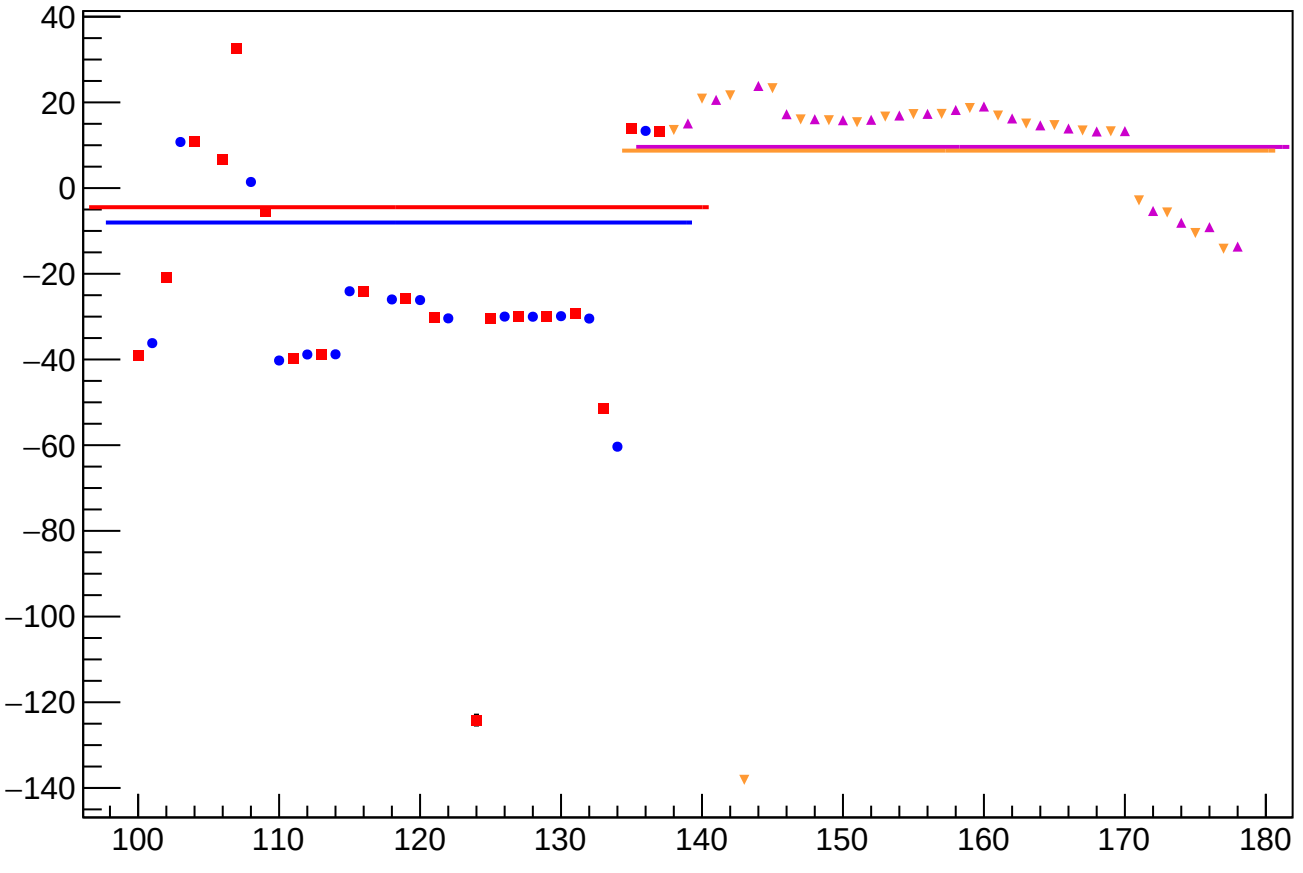
Left: -1.448+/-0.268 χ^2/NDF: 2129.5/40

Right: 17.581+/-0.603 χ^2/NDF: 1804.9/34

In: 1.922+/-0.346 χ^2/NDF:2301.3/35

Out: 1.443+/-0.346 χ^2/NDF:2464.0/39

All: 1.683+/-0.245 χ^2/NDF: 4766.3/75



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: 9.604+/-0.017 χ^2/NDF:475191.2/19

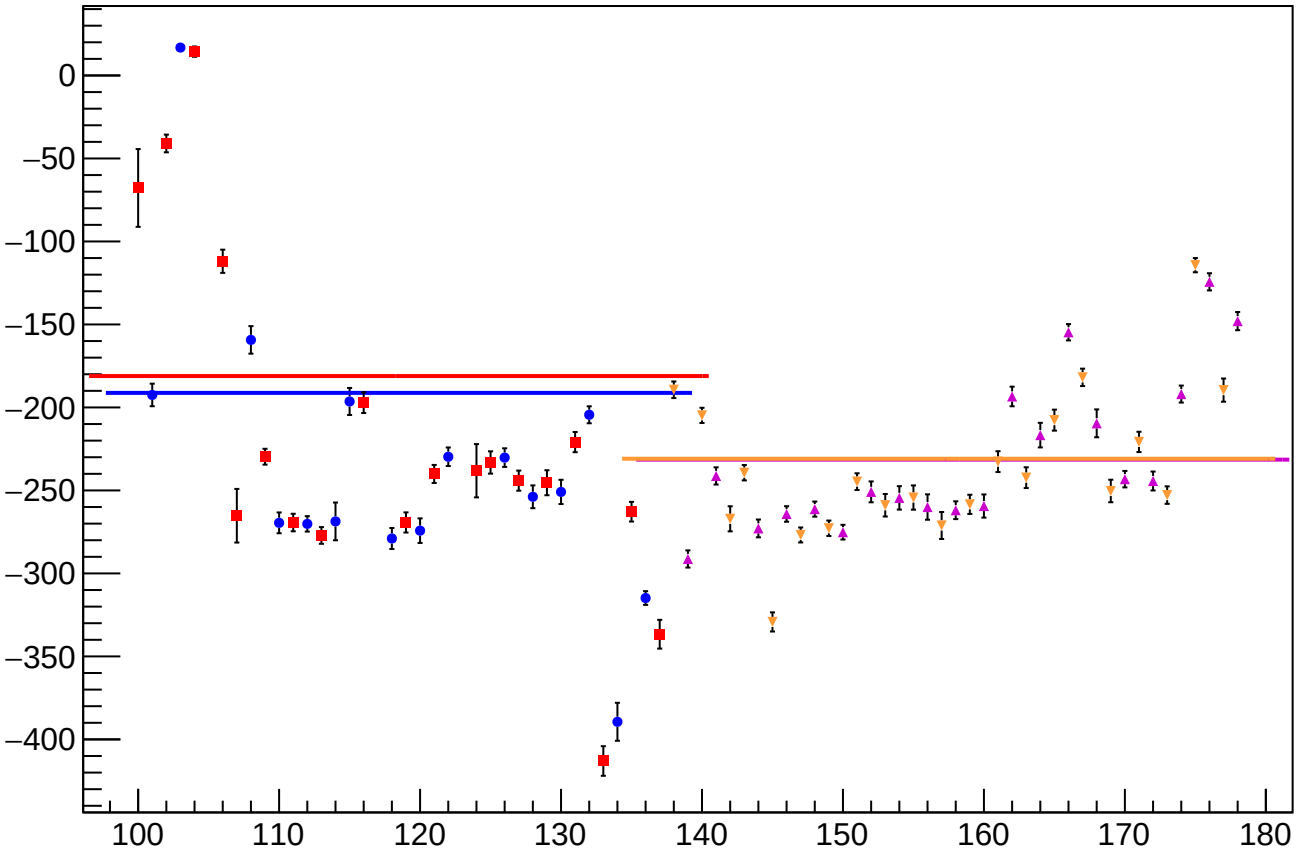
Left: 9.184+/-0.012 χ^2/NDF: 1351312.8/40

Right: -6.287+/-0.033 χ^2/NDF: 499287.4/34

In: 7.545+/-0.016 χ^2/NDF:873972.0/35

Out: 7.194+/-0.016 χ^2/NDF:1173515.2/39

All: 7.374+/-0.011 χ^2/NDF: 2047731.5/75



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: -231.449+/-1.236 χ^2/NDF:1494.7/19

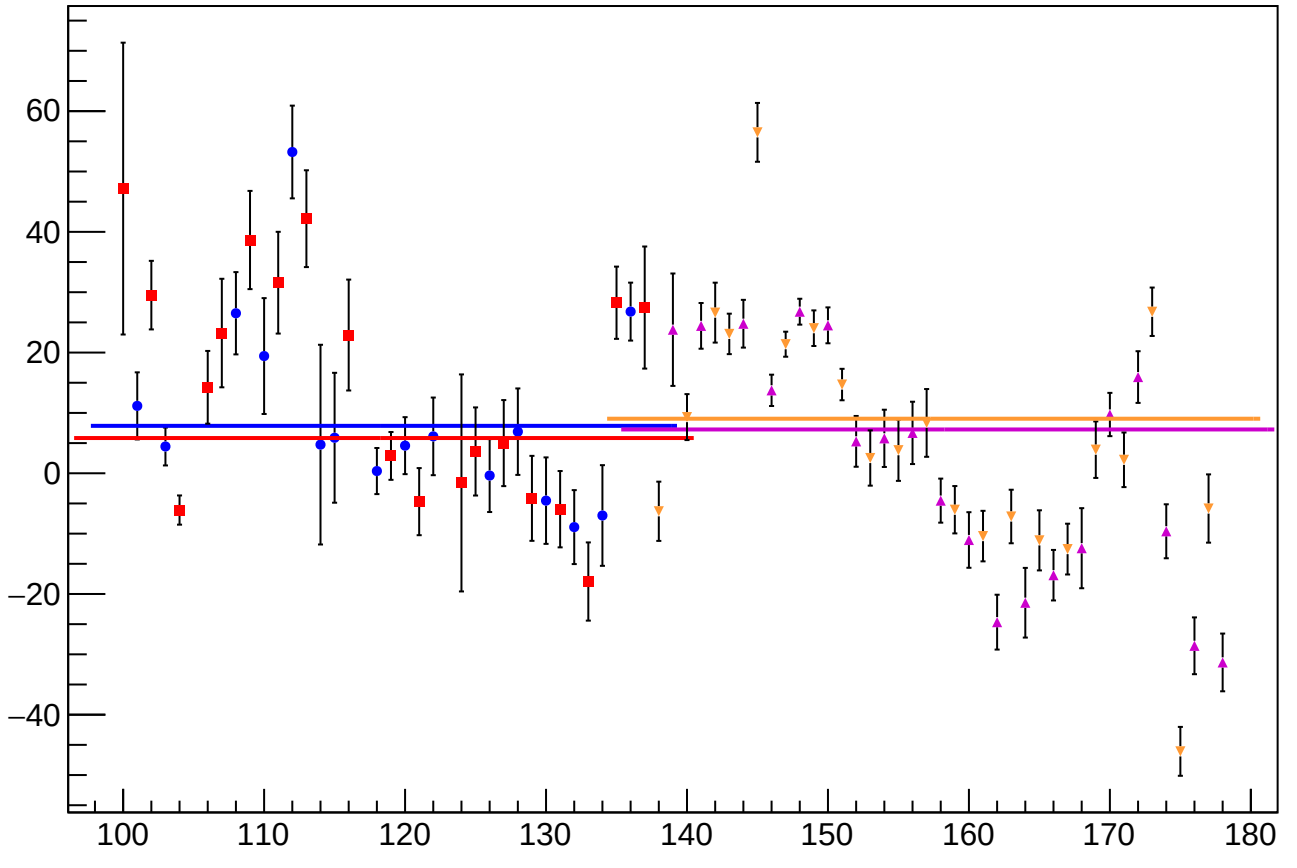
Left: -231.176+/-0.868 χ^2/NDF: 3088.7/40

Right: -186.022+/-0.990 χ^2/NDF: 14624.9/34

In: -214.086+/-0.932 χ^2/NDF:9176.3/35

Out: -209.131+/-0.914 χ^2/NDF:9699.2/39

All: -211.560+/-0.653 χ^2/NDF: 18889.9/75



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: 7.259+/-0.872 χ^2/NDF:450.7/19

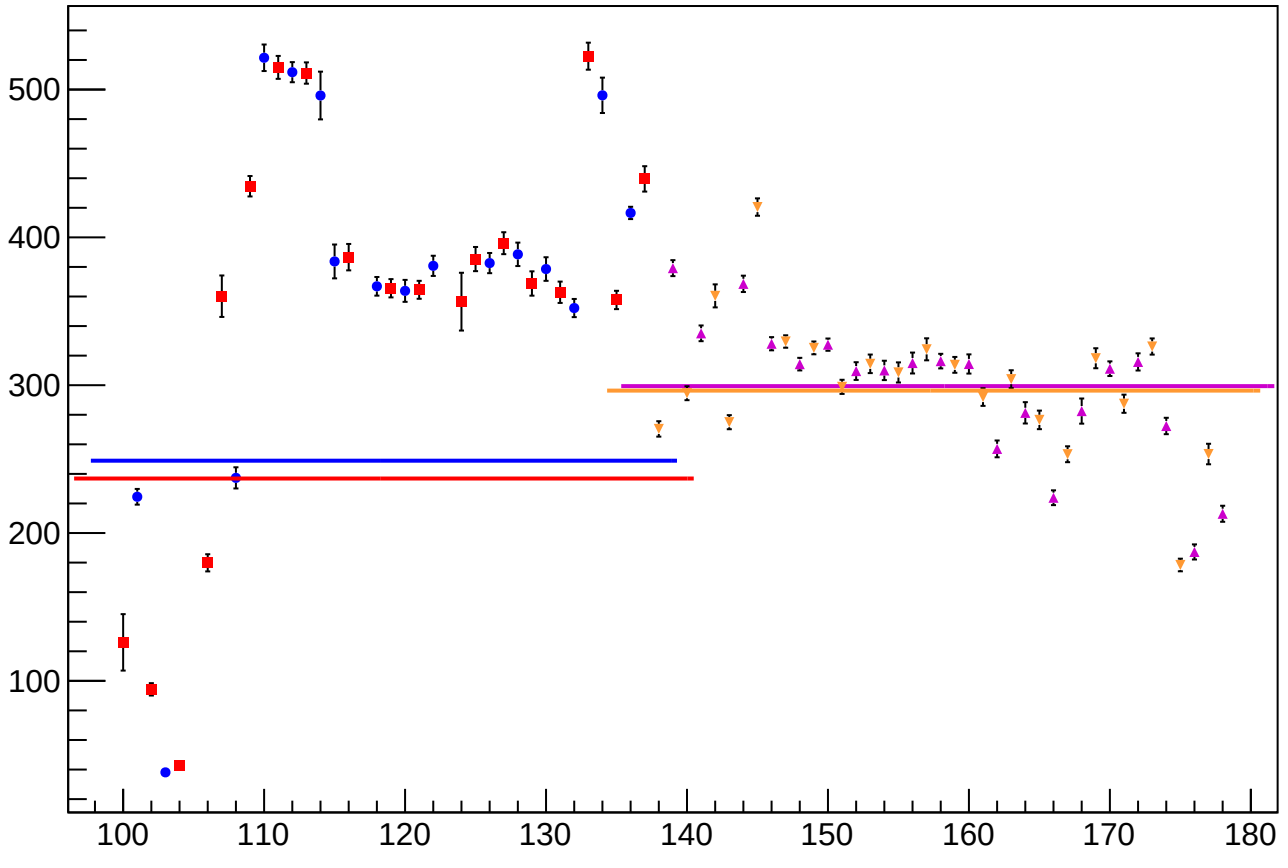
Left: 8.182+/-0.605 χ^2/NDF: 964.1/40

Right: 6.789+/-0.986 χ^2/NDF: 223.8/34

In: 7.420+/-0.746 χ^2/NDF:531.7/35

Out: 8.150+/-0.715 χ^2/NDF:657.1/39

All: 7.801+/-0.516 χ^2/NDF: 1189.3/75



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: 299.373+/-1.212 χ^2/NDF:1611.8/19

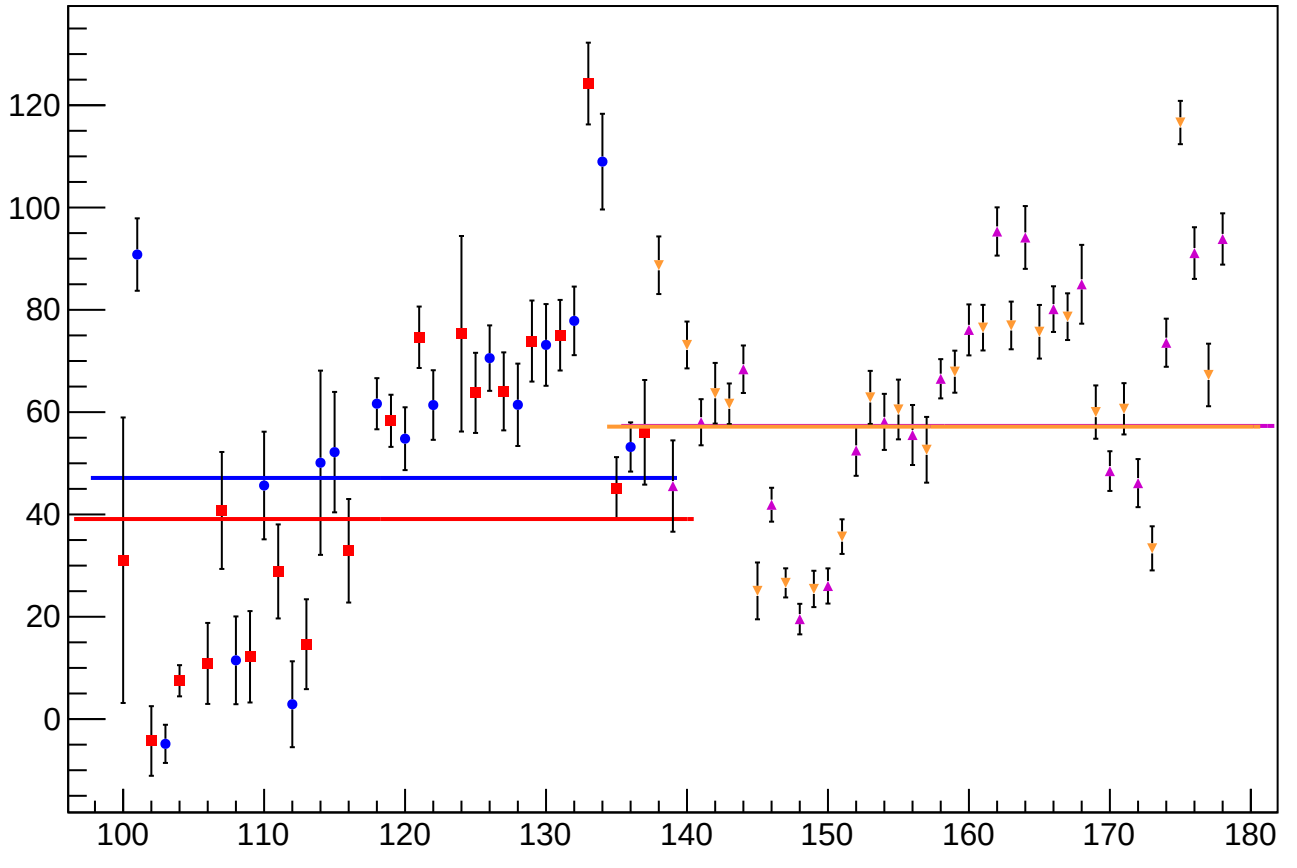
Left: 297.840+/-0.852 χ^2/NDF: 3235.6/40

Right: 242.838+/-1.000 χ^2/NDF: 30995.9/34

In: 278.137+/-0.922 χ^2/NDF:17642.9/35

Out: 271.350+/-0.912 χ^2/NDF:18314.2/39

All: 274.705+/-0.649 χ^2/NDF: 35984.5/75



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: 57.305+/-1.009 χ^2/NDF:553.5/19

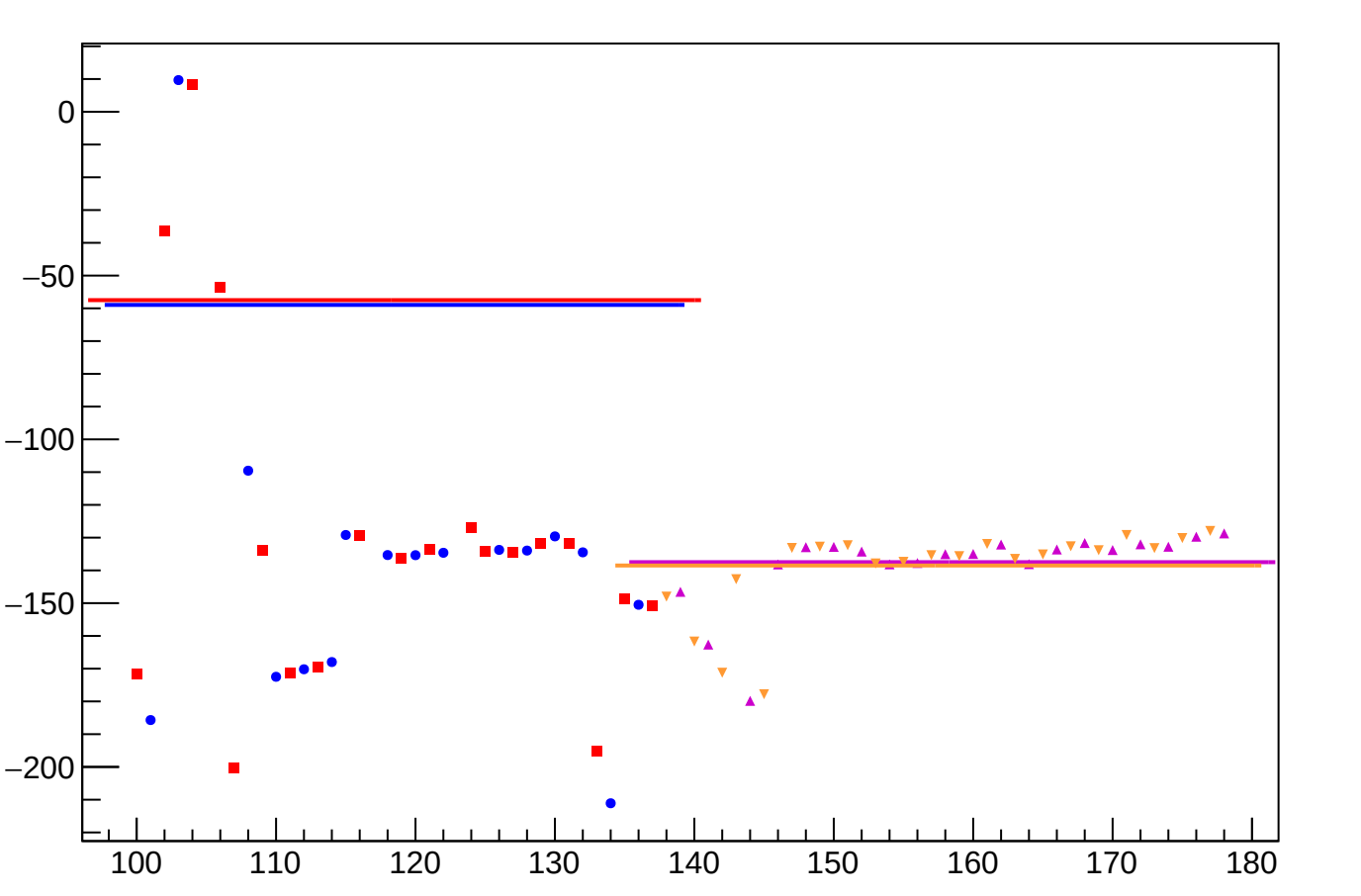
Left: 57.234+/-0.704 χ^2/NDF: 1180.1/40

Right: 42.944+/-1.153 χ^2/NDF: 813.9/34

In: 54.579+/-0.864 χ^2/NDF:966.1/35

Out: 52.207+/-0.836 χ^2/NDF:1135.9/39

All: 53.355+/-0.601 χ^2/NDF: 2105.9/75



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: -137.490+/-0.046 χ^2/NDF:52555.7/19

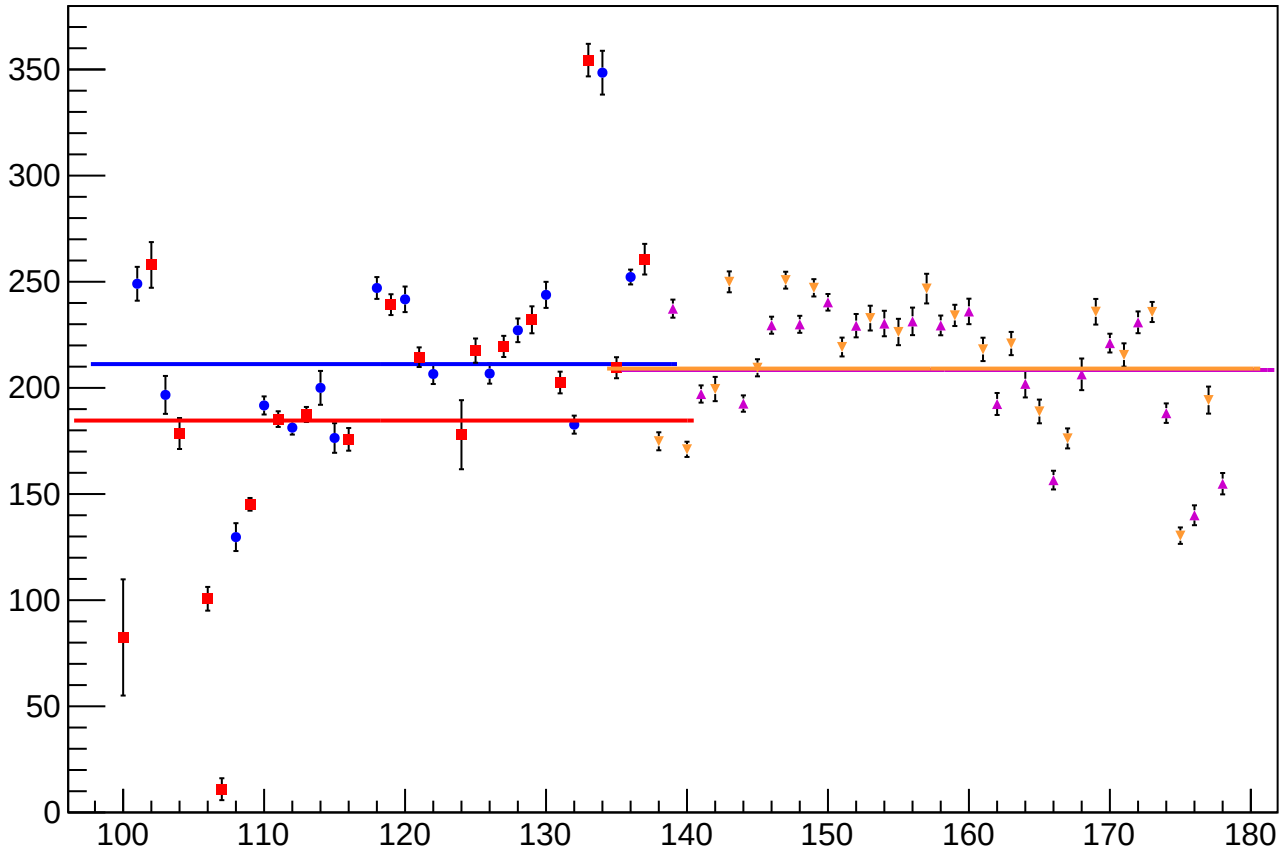
Left: -137.997+/-0.033 χ^2/NDF: 118523.7/40

Right: -58.243+/-0.052 χ^2/NDF: 2098582.3/34

In: -114.895+/-0.039 χ^2/NDF:2112969.7/35

Out: -115.888+/-0.039 χ^2/NDF:1794770.9/39

All: -115.388+/-0.028 χ^2/NDF: 3908063.5/75



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: 208.432+/-1.063 χ^2/NDF:798.3/19

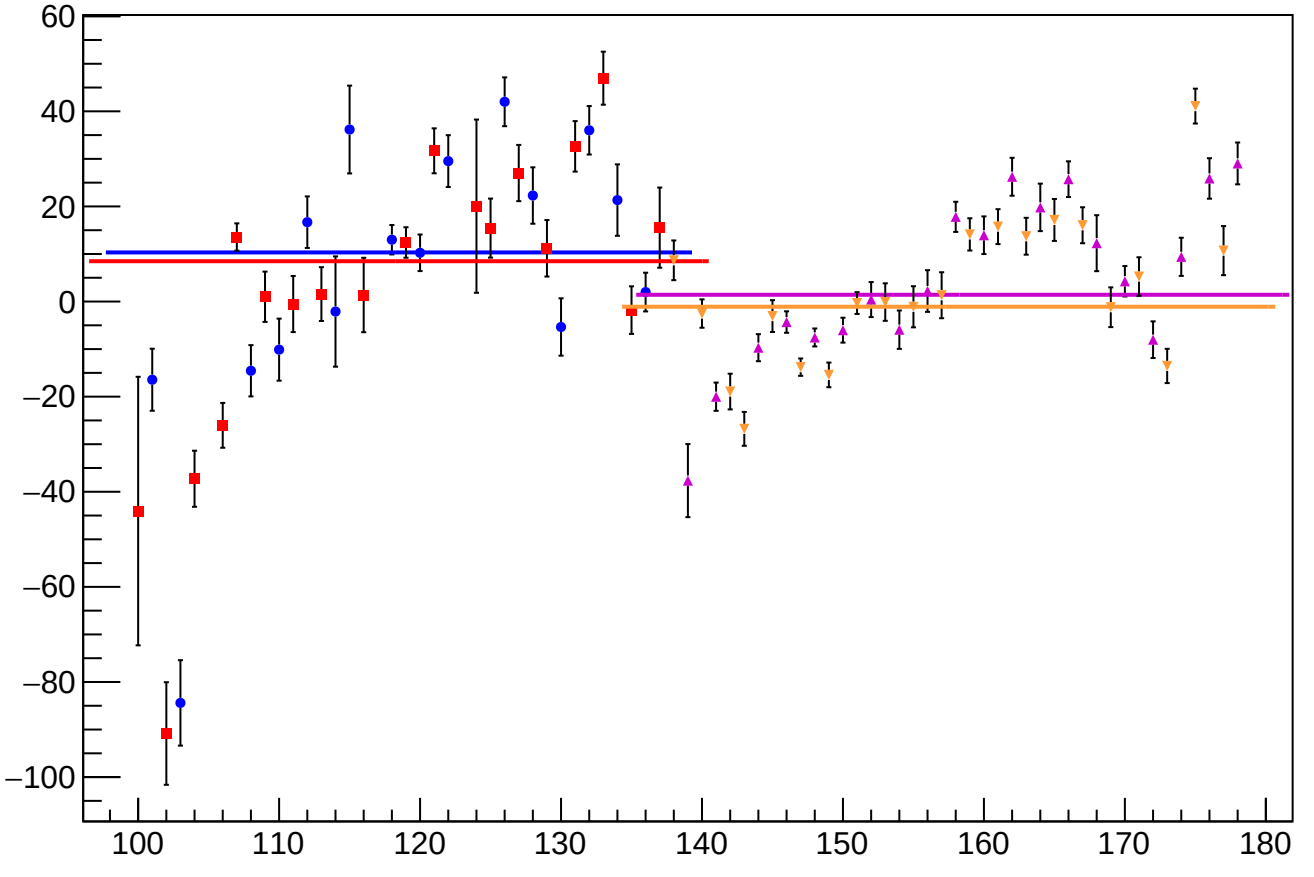
Left: 208.765+/-0.749 χ^2/NDF: 1868.5/40

Right: 196.825+/-0.878 χ^2/NDF: 3551.2/34

In: 209.550+/-0.822 χ^2/NDF:1584.1/35

Out: 198.350+/-0.791 χ^2/NDF:3846.2/39

All: 203.734+/-0.570 χ^2/NDF: 5526.7/75



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: 1.422+/-0.753 χ^2/NDF:351.4/19

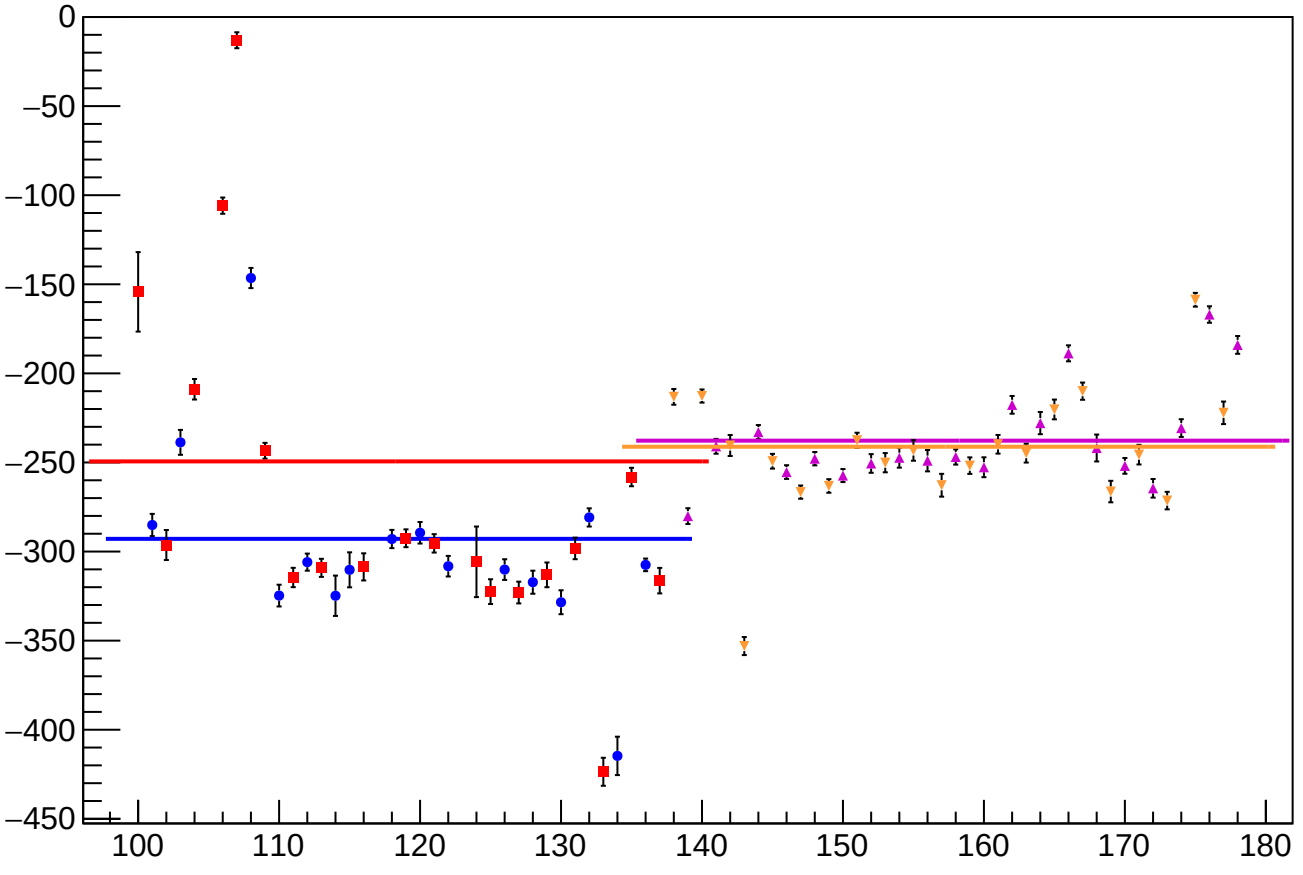
Left: 0.130+/-0.525 χ^2/NDF: 762.8/40

Right: 9.326+/-0.902 χ^2/NDF: 586.7/34

In: 3.576+/-0.655 χ^2/NDF:648.6/35

Out: 1.429+/-0.629 χ^2/NDF:773.0/39

All: 2.458+/-0.454 χ^2/NDF: 1427.1/75



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: -237.765+/-1.044 χ^2/NDF:701.3/19

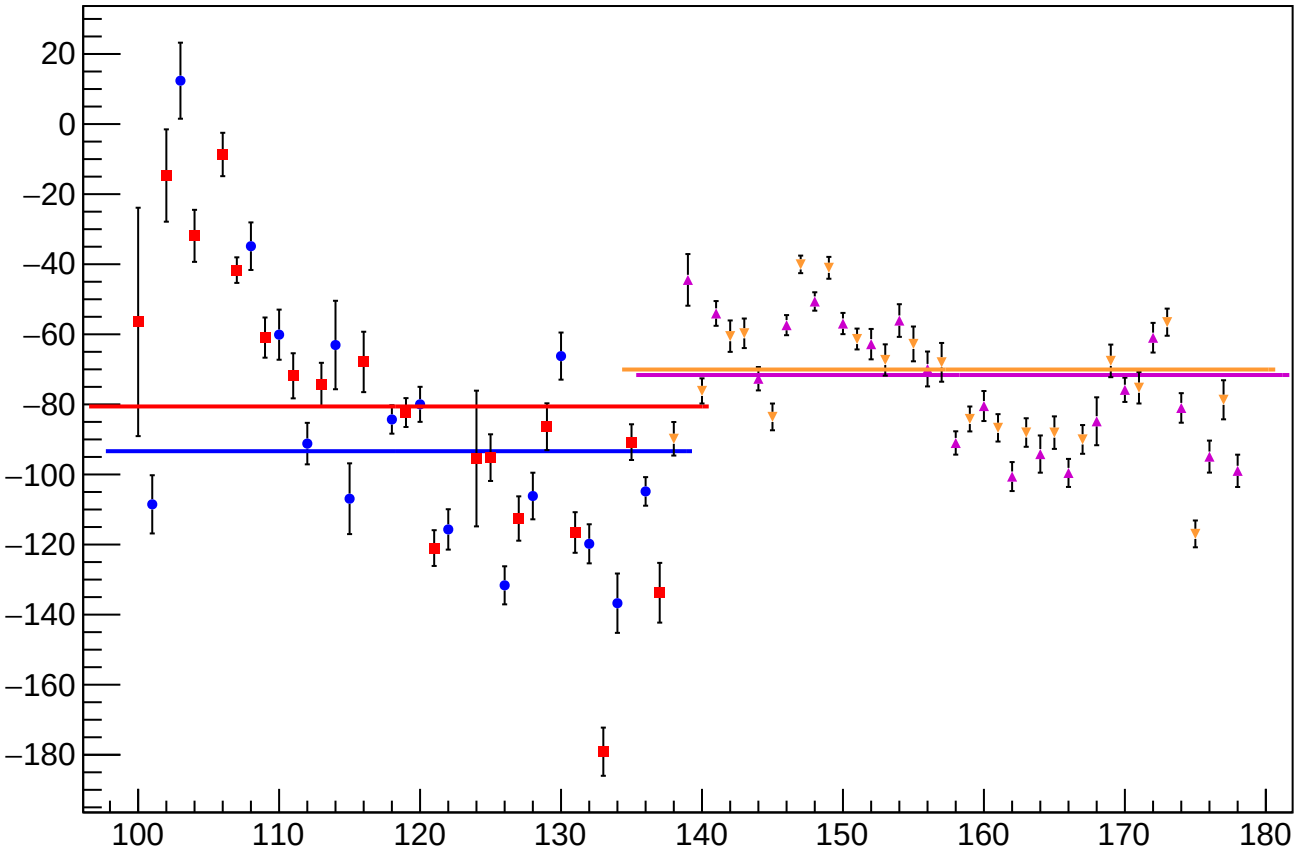
Left: -239.478+/-0.737 χ^2/NDF: 1976.6/40

Right: -269.627+/-1.001 χ^2/NDF: 6821.1/34

In: -256.286+/-0.851 χ^2/NDF:2621.0/35

Out: -244.186+/-0.828 χ^2/NDF:6661.4/39

All: -250.070+/-0.593 χ^2/NDF: 9386.3/75



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: -71.617+/-0.872 χ^2/NDF:397.4/19

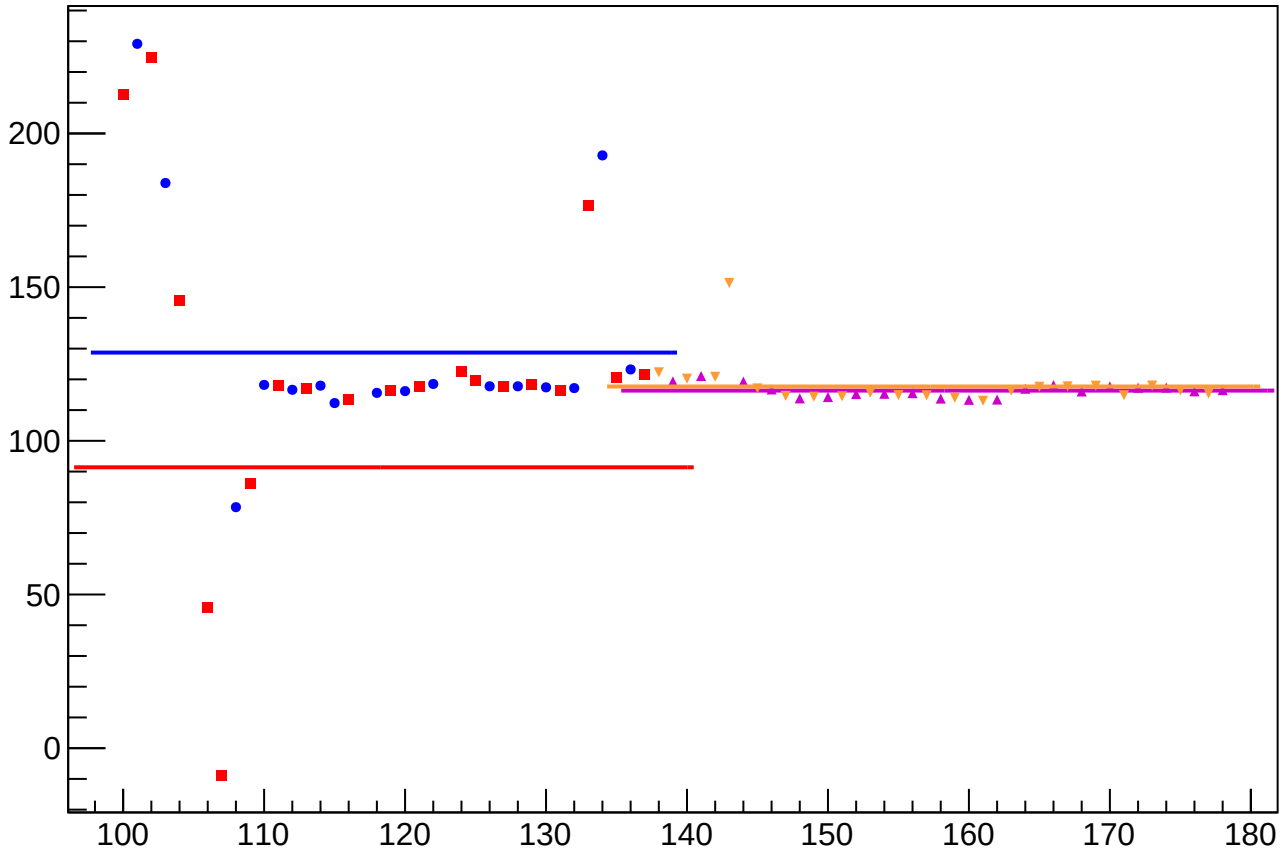
Left: -70.817+/-0.610 χ^2/NDF: 941.8/40

Right: -86.499+/-1.044 χ^2/NDF: 1107.8/34

In: -76.922+/-0.758 χ^2/NDF:904.5/35

Out: -72.842+/-0.733 χ^2/NDF:1298.3/39

All: -74.814+/-0.527 χ^2/NDF: 2217.8/75



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: 116.341+/-0.040 χ^2/NDF:2990.5/19

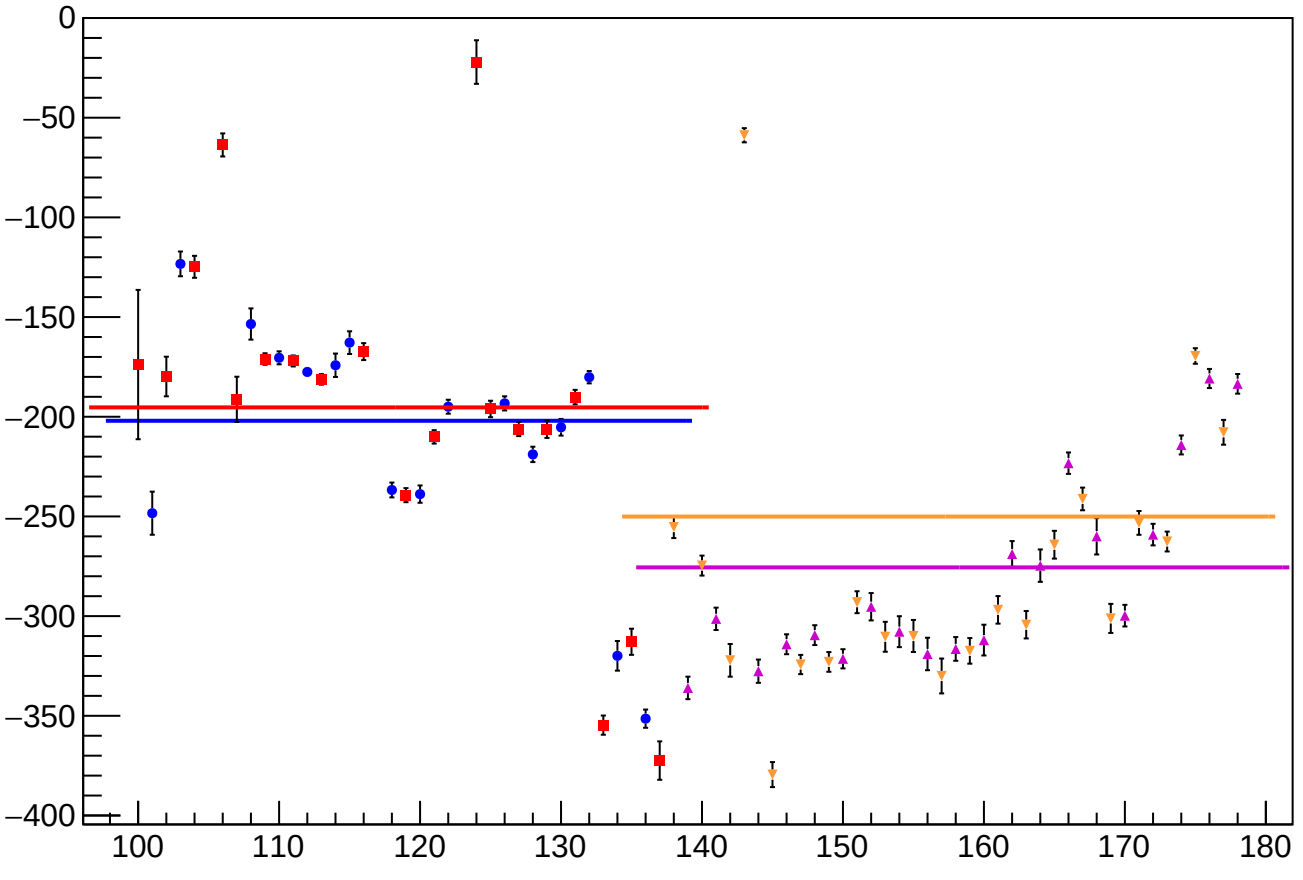
Left: 117.003+/-0.028 χ^2/NDF: 33392.3/40

Right: 107.821+/-0.059 χ^2/NDF: 886599.9/34

In: 118.401+/-0.036 χ^2/NDF:202576.5/35

Out: 112.288+/-0.036 χ^2/NDF:722678.1/39

All: 115.295+/-0.026 χ^2/NDF: 939607.7/75



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: -275.555+/-1.295 χ^2/NDF:1568.9/19

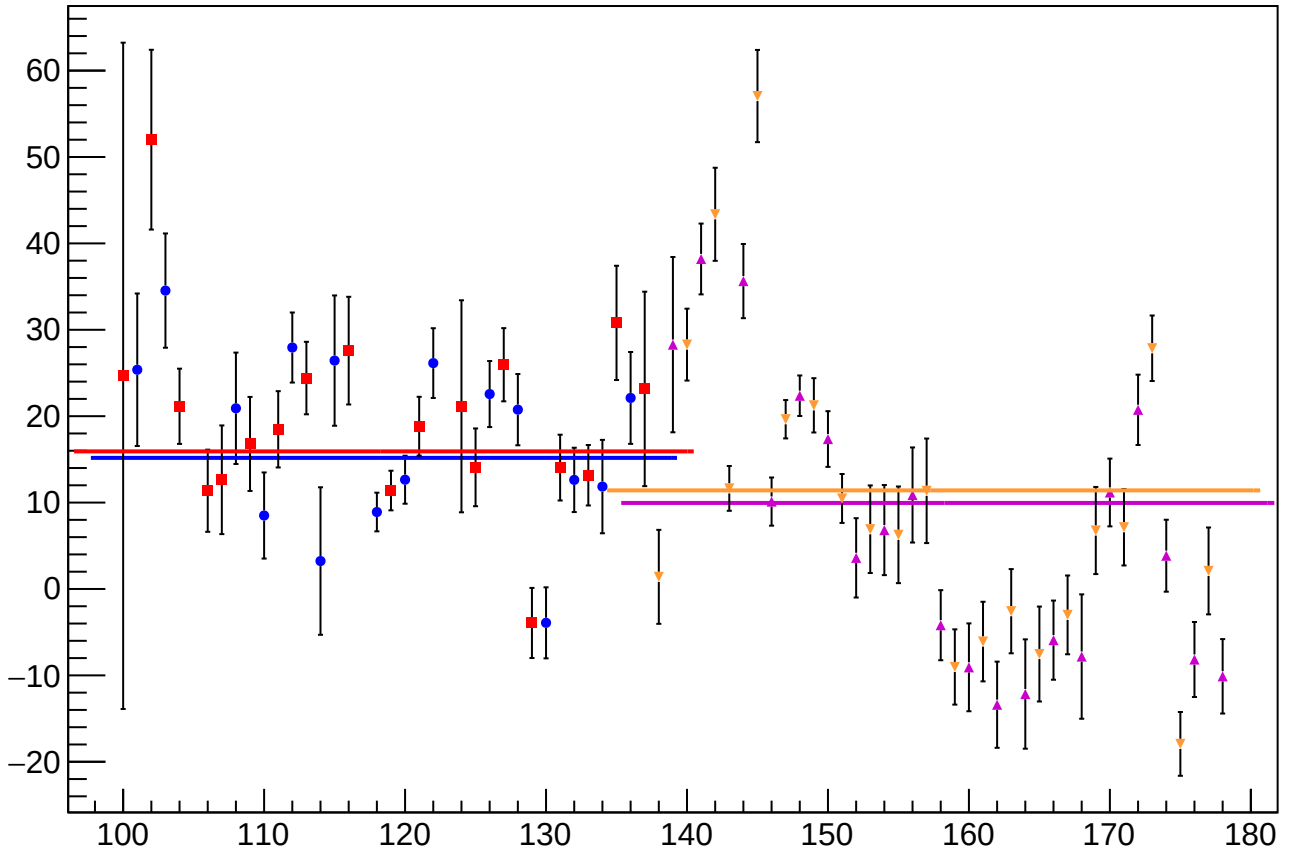
Left: -262.240+/-0.895 χ^2/NDF: 6659.1/40

Right: -198.498+/-0.706 χ^2/NDF: 5163.6/34

In: -230.322+/-0.803 χ^2/NDF:5593.9/35

Out: -216.232+/-0.766 χ^2/NDF:9195.3/39

All: -222.941+/-0.554 χ^2/NDF: 14950.4/75



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: 9.959+/-0.925 χ^2/NDF:248.9/19

Left: 10.732+/-0.632 χ^2/NDF: 557.4/40

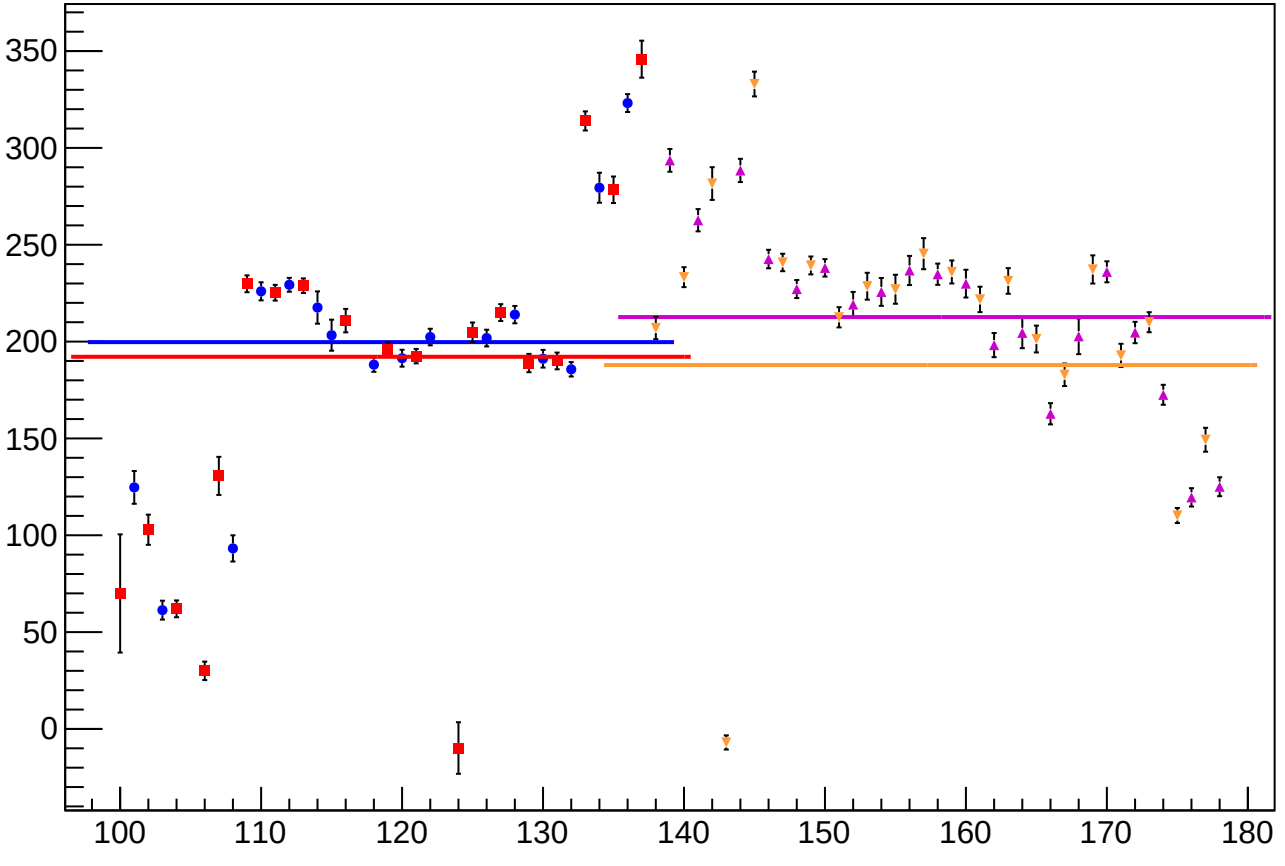
Right: 15.554+/-0.737 χ^2/NDF: 136.1/34

In: 12.243+/-0.693 χ^2/NDF:335.2/35

Out: 13.266+/-0.665 χ^2/NDF:381.9/39

All: 12.776+/-0.480 χ^2/NDF: 718.2/75

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: 212.667+/-1.273 χ^2/NDF:1420.2/19

Left: 199.769+/-0.882 χ^2/NDF: 6218.1/40

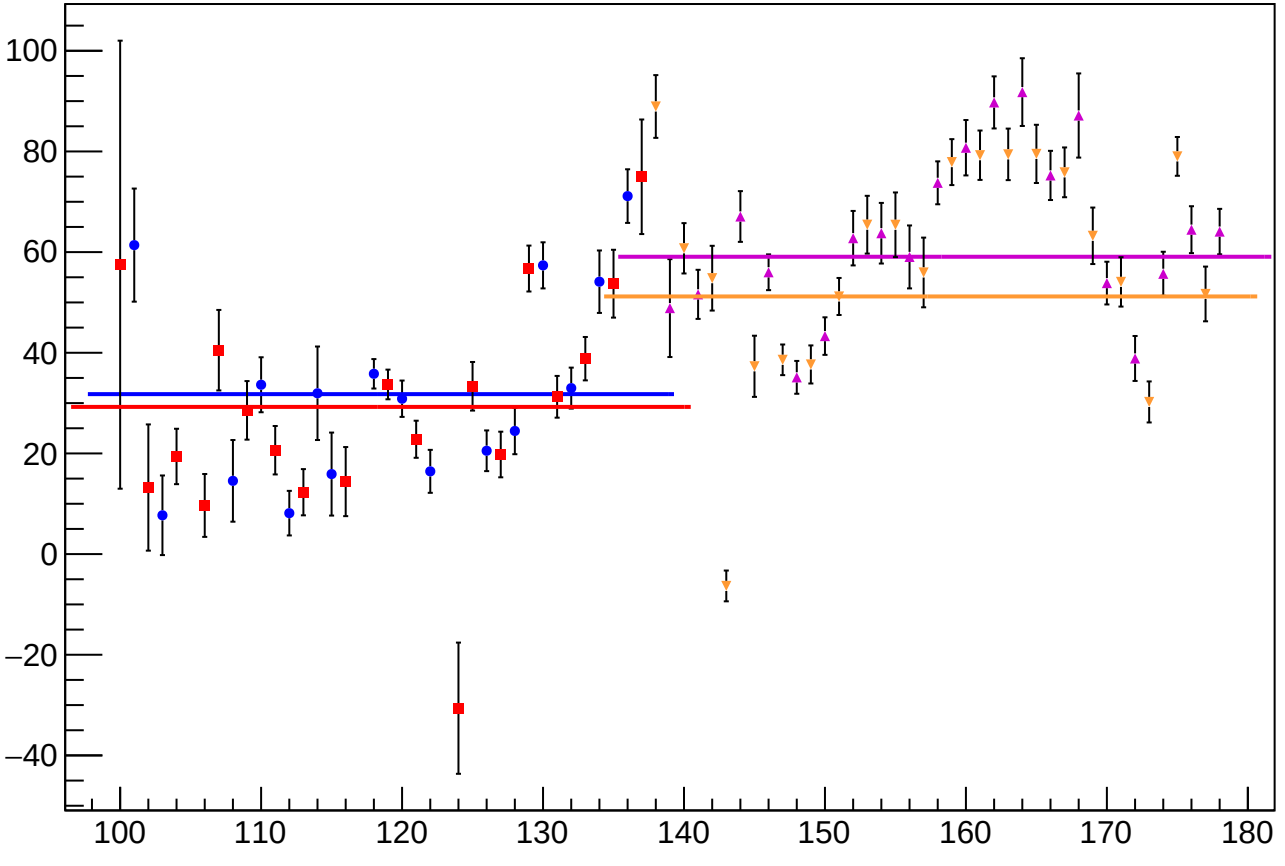
Right: 195.793+/-0.829 χ^2/NDF: 5899.5/34

In: 205.789+/-0.872 χ^2/NDF:3576.8/35

Out: 190.146+/-0.838 χ^2/NDF:8384.2/39

All: 197.658+/-0.604 χ^2/NDF: 12128.4/75

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 59.078+/-1.066 χ^2/NDF:213.0/19

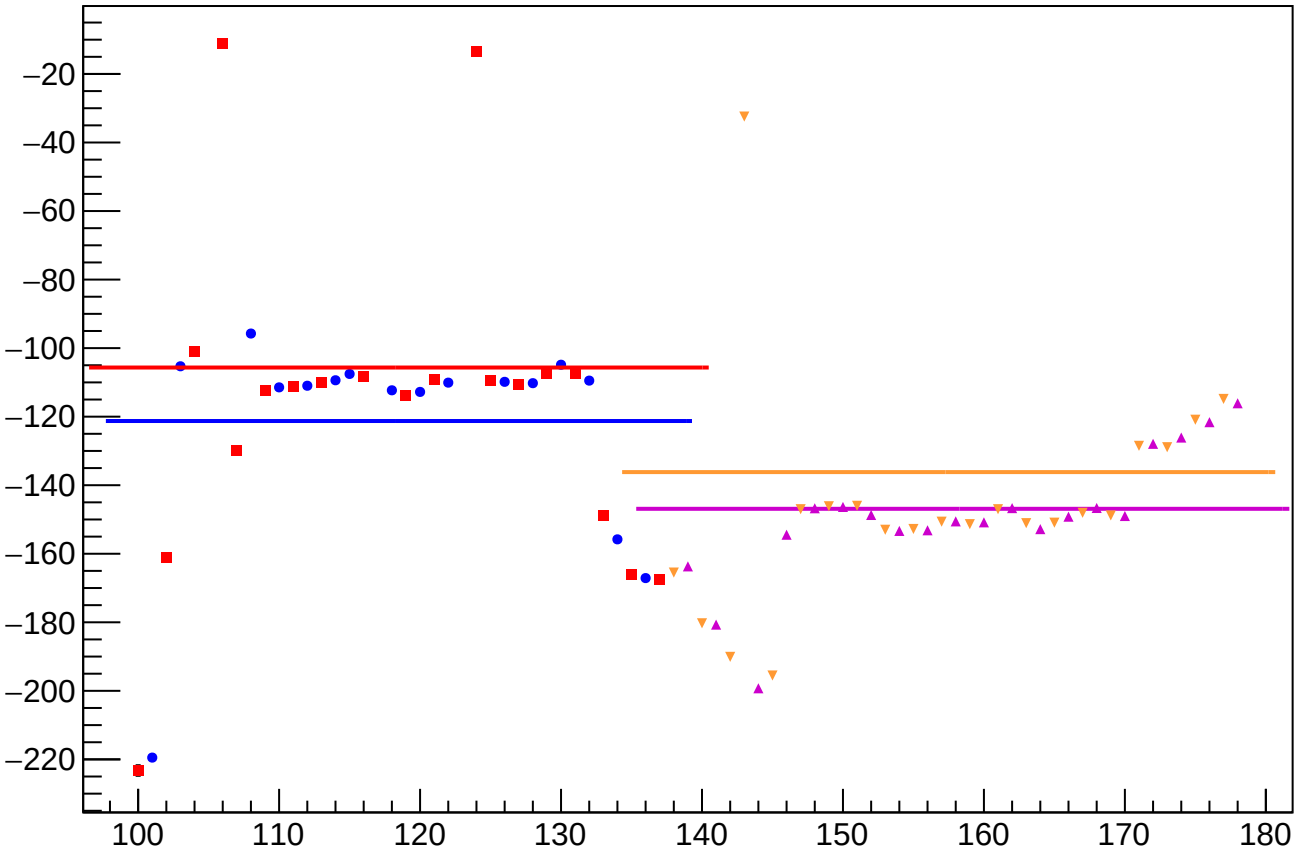
Left: 54.915+/-0.732 χ^2/NDF: 912.6/40

Right: 30.492+/-0.853 χ^2/NDF: 320.1/34

In: 47.228+/-0.802 χ^2/NDF:674.9/35

Out: 42.081+/-0.771 χ^2/NDF:1008.2/39

All: 44.554+/-0.556 χ^2/NDF: 1704.6/75



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: -146.886+/-0.049 χ^2/NDF:127959.8/19

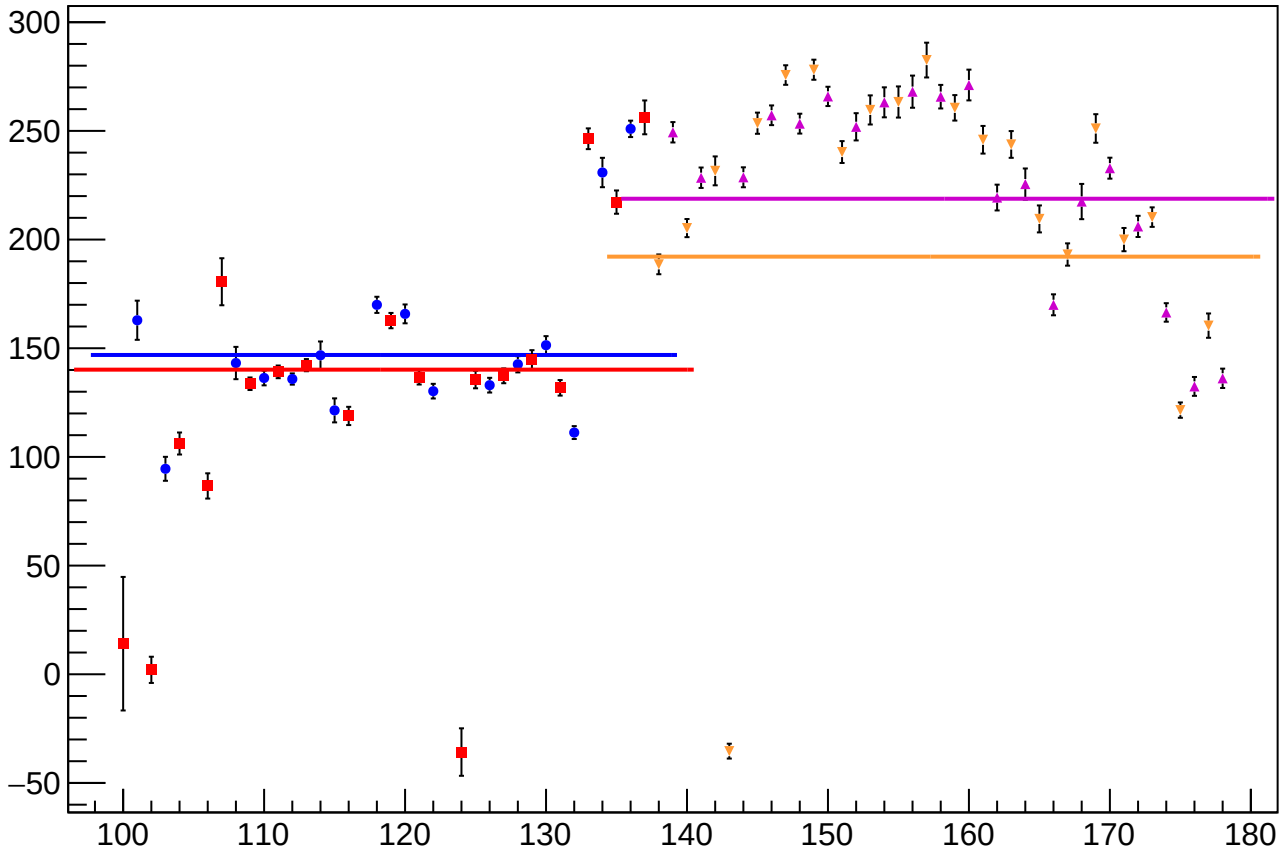
Left: -141.403+/-0.034 χ^2/NDF: 810553.7/40

Right: -113.006+/-0.054 χ^2/NDF: 495037.6/34

In: -139.888+/-0.041 χ^2/NDF:323360.9/35

Out: -127.406+/-0.040 χ^2/NDF:1131682.8/39

All: -133.438+/-0.029 χ^2/NDF: 1501997.9/75



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: 218.785+/-1.152 χ^2/NDF:1544.9/19

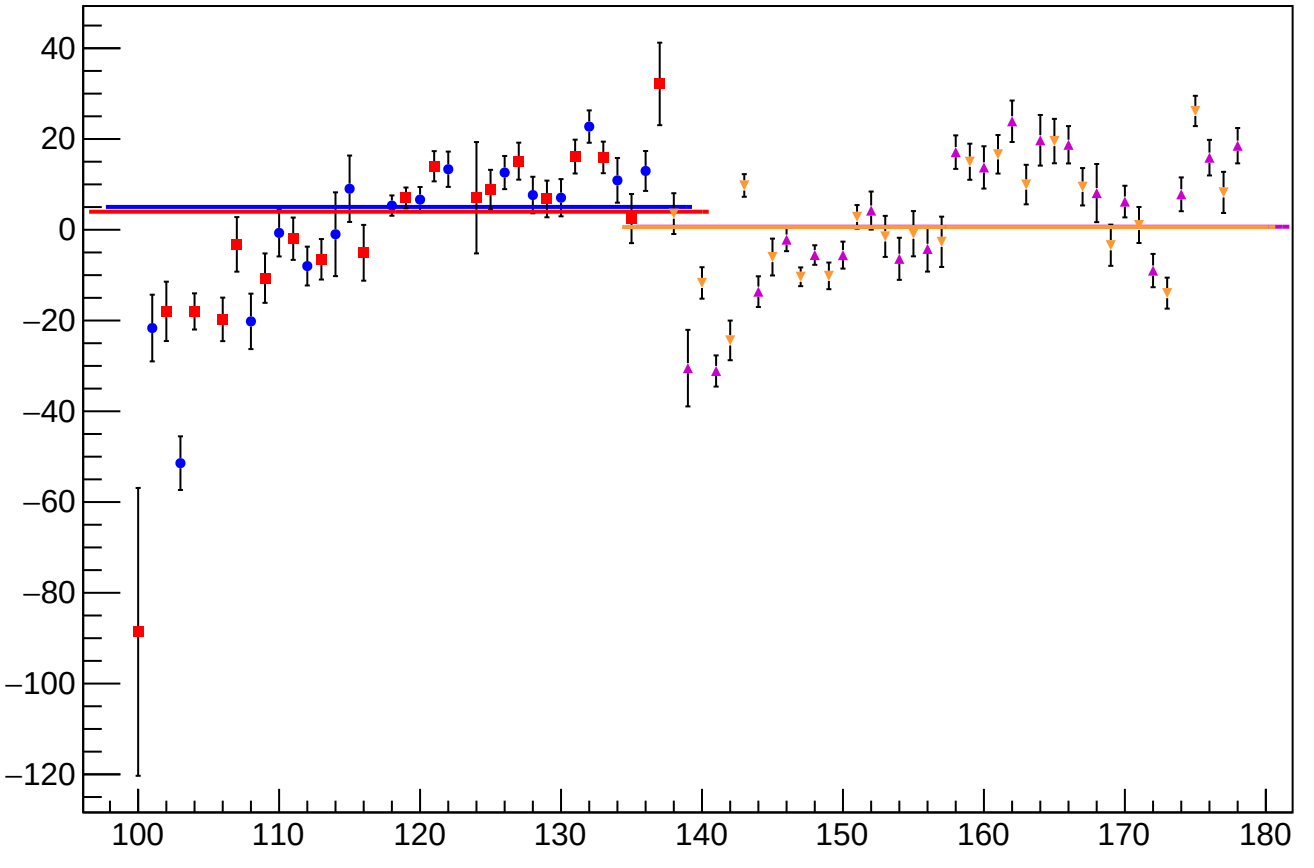
Left: 204.960+/-0.799 χ^2/NDF: 8383.9/40

Right: 143.381+/-0.694 χ^2/NDF: 3276.2/34

In: 177.920+/-0.756 χ^2/NDF:5061.6/35

Out: 162.428+/-0.726 χ^2/NDF:9768.4/39

All: 169.854+/-0.524 χ^2/NDF: 15048.4/75



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: 0.672+/-0.829 χ^2/NDF:270.3/19

Left: 0.633+/-0.569 χ^2/NDF: 507.2/40

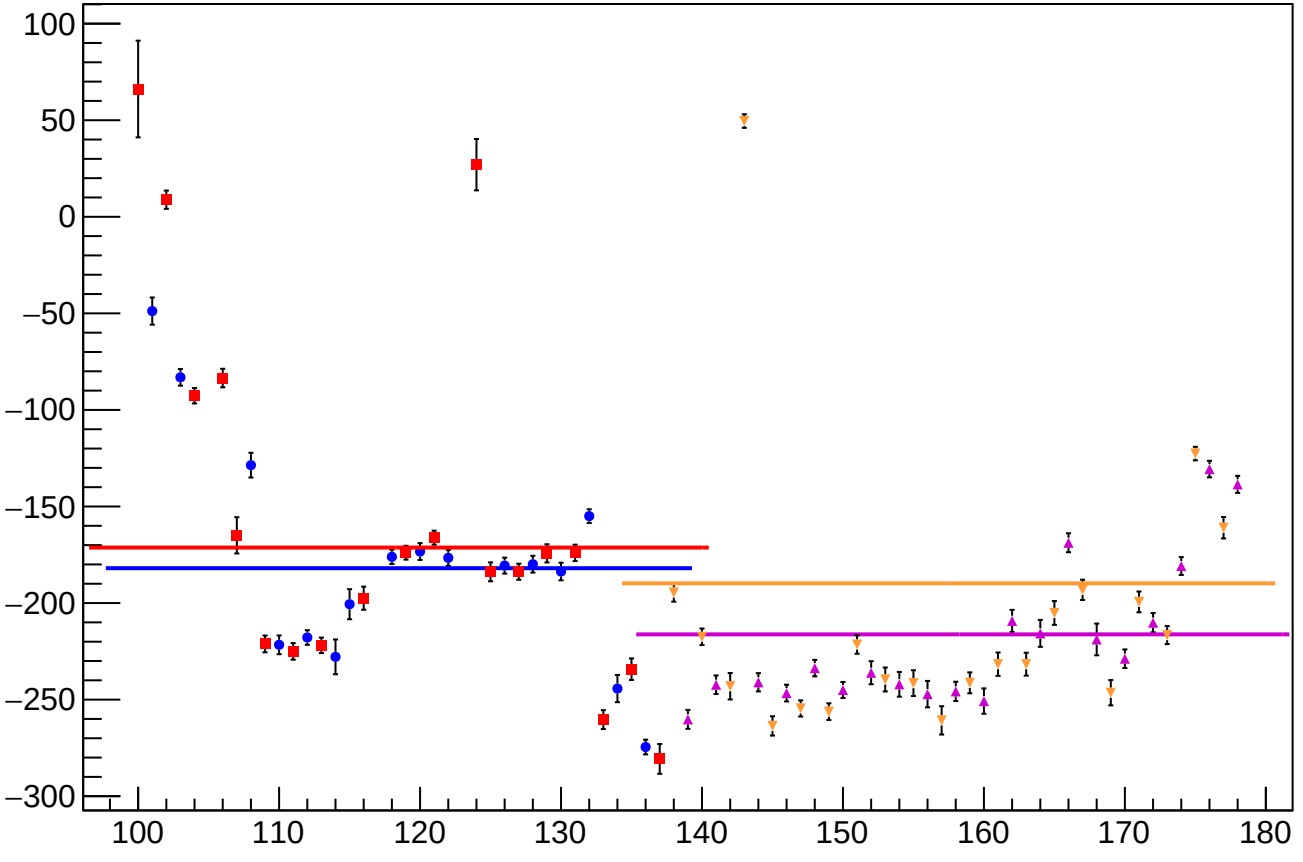
Right: 4.501+/-0.719 χ^2/NDF: 317.3/34

In: 2.407+/-0.644 χ^2/NDF:453.2/35

Out: 1.860+/-0.619 χ^2/NDF:388.7/39

All: 2.123+/-0.446 χ^2/NDF: 842.3/75

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: -216.209+/-1.135 χ^2/NDF:1231.9/19

Left: -202.548+/-0.789 χ^2/NDF: 7900.2/40

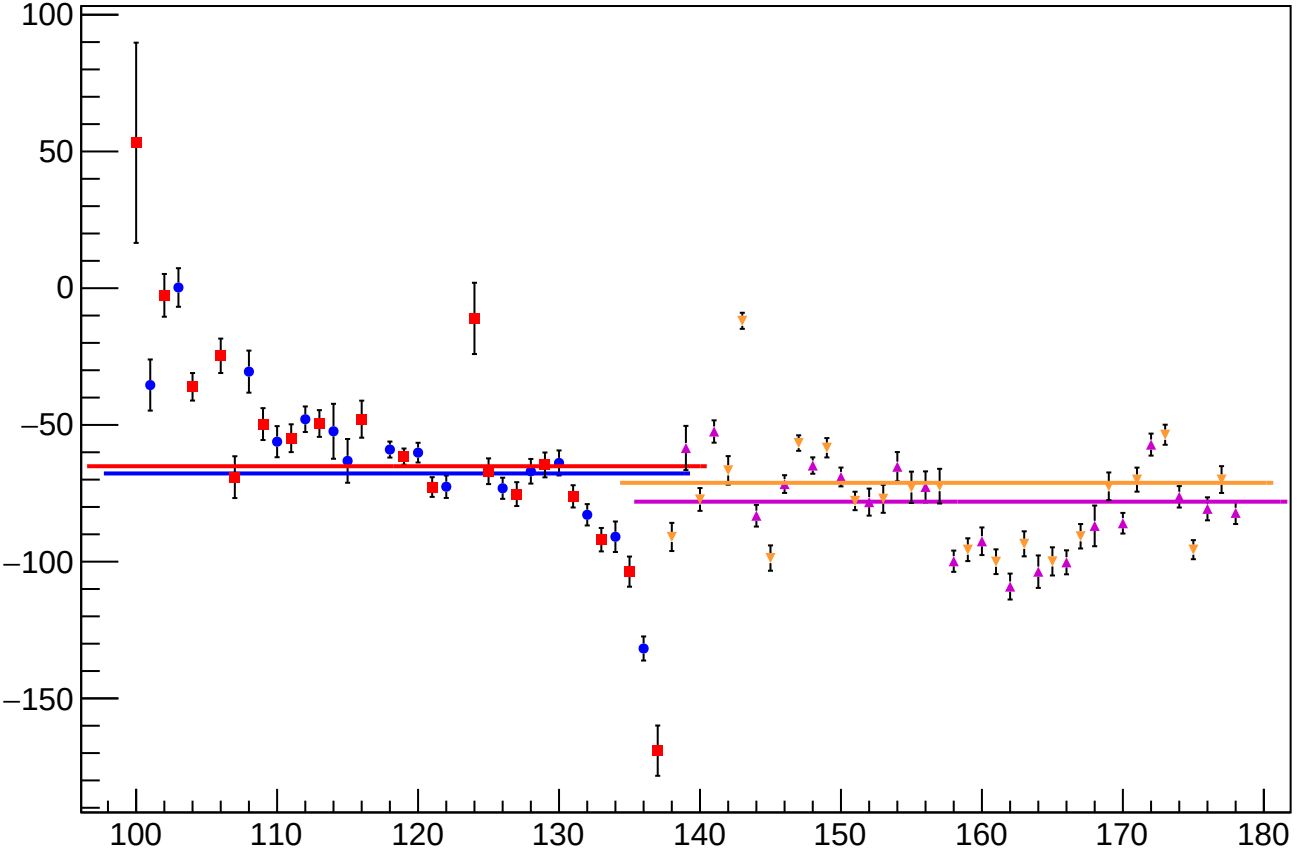
Right: -176.402+/-0.800 χ^2/NDF: 5543.1/34

In: -199.362+/-0.809 χ^2/NDF:3550.4/35

Out: -180.647+/-0.781 χ^2/NDF:10157.1/39

All: -189.668+/-0.562 χ^2/NDF: 13984.6/75

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: -78.070+/-0.954 χ^2/NDF:244.8/19

Left: -74.453+/-0.658 χ^2/NDF: 997.6/40

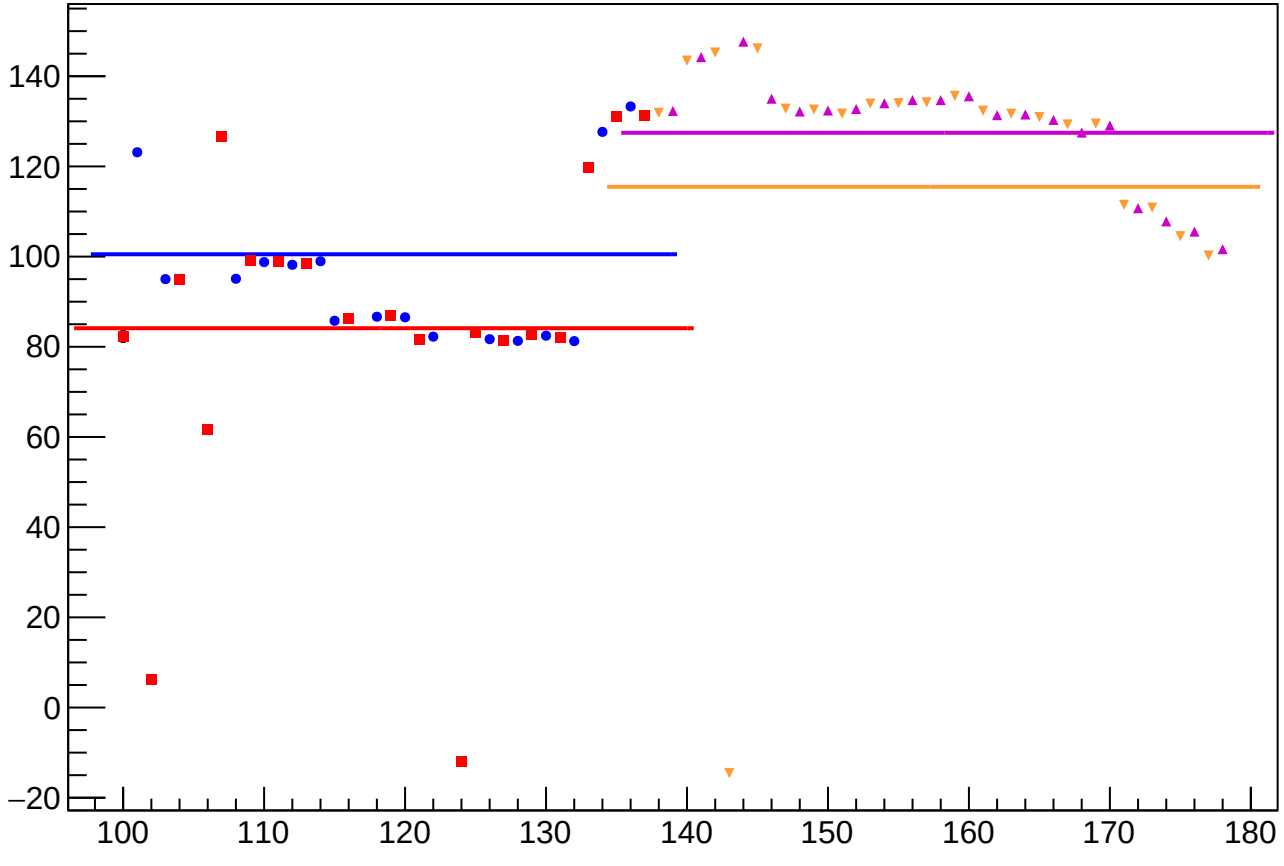
Right: -66.409+/-0.830 χ^2/NDF: 845.6/34

In: -73.992+/-0.742 χ^2/NDF:705.1/35

Out: -68.882+/-0.717 χ^2/NDF:1171.3/39

All: -71.348+/-0.516 χ^2/NDF: 1900.9/75

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: 127.459+/-0.043 χ^2/NDF:83036.9/19

Left: 121.357+/-0.030 χ^2/NDF: 1073028.2/40

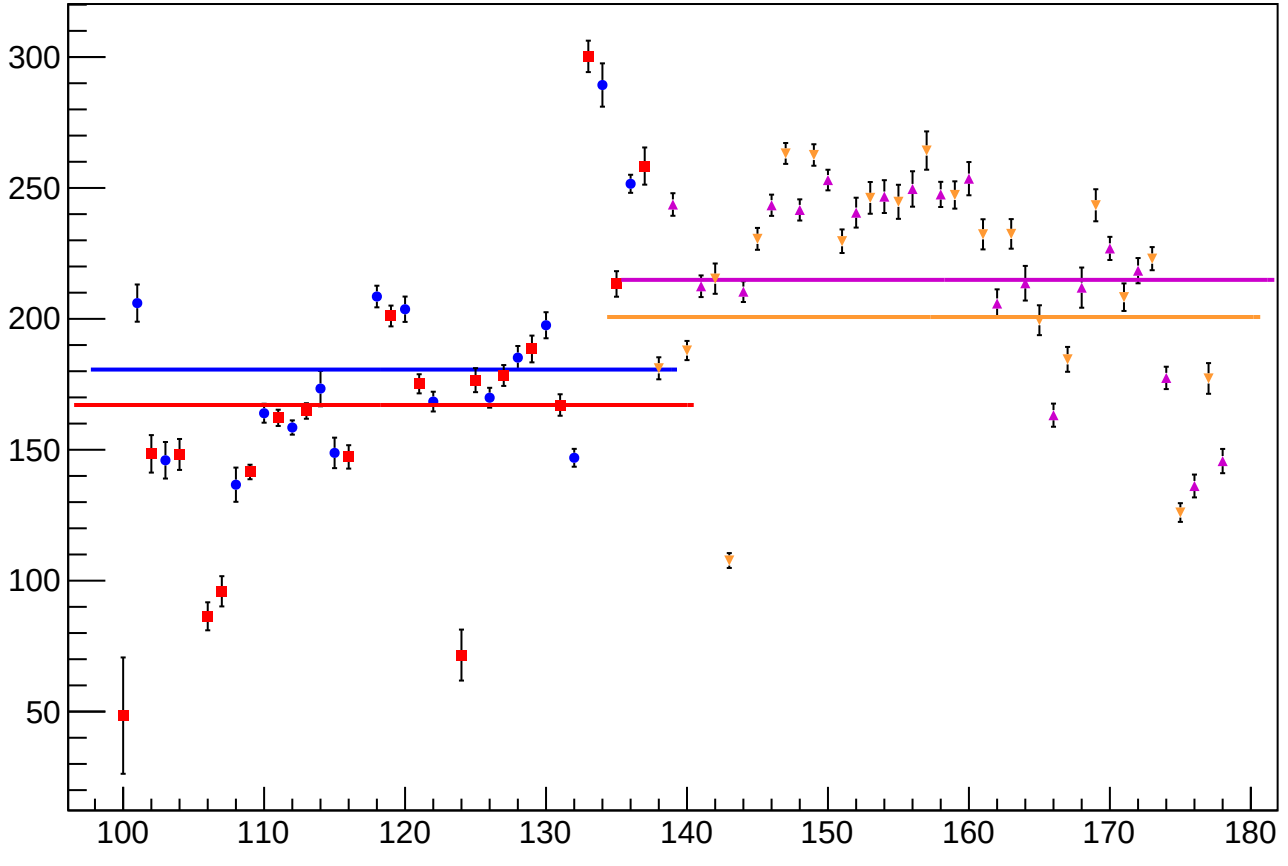
Right: 91.772+/-0.051 χ^2/NDF: 357470.2/34

In: 120.572+/-0.037 χ^2/NDF:249268.4/35

Out: 106.872+/-0.036 χ^2/NDF:1363853.6/39

All: 113.509+/-0.026 χ^2/NDF: 1682322.6/75

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: 214.897+/-1.065 χ^2/NDF:1161.3/19

Left: 207.437+/-0.733 χ^2/NDF: 3789.9/40

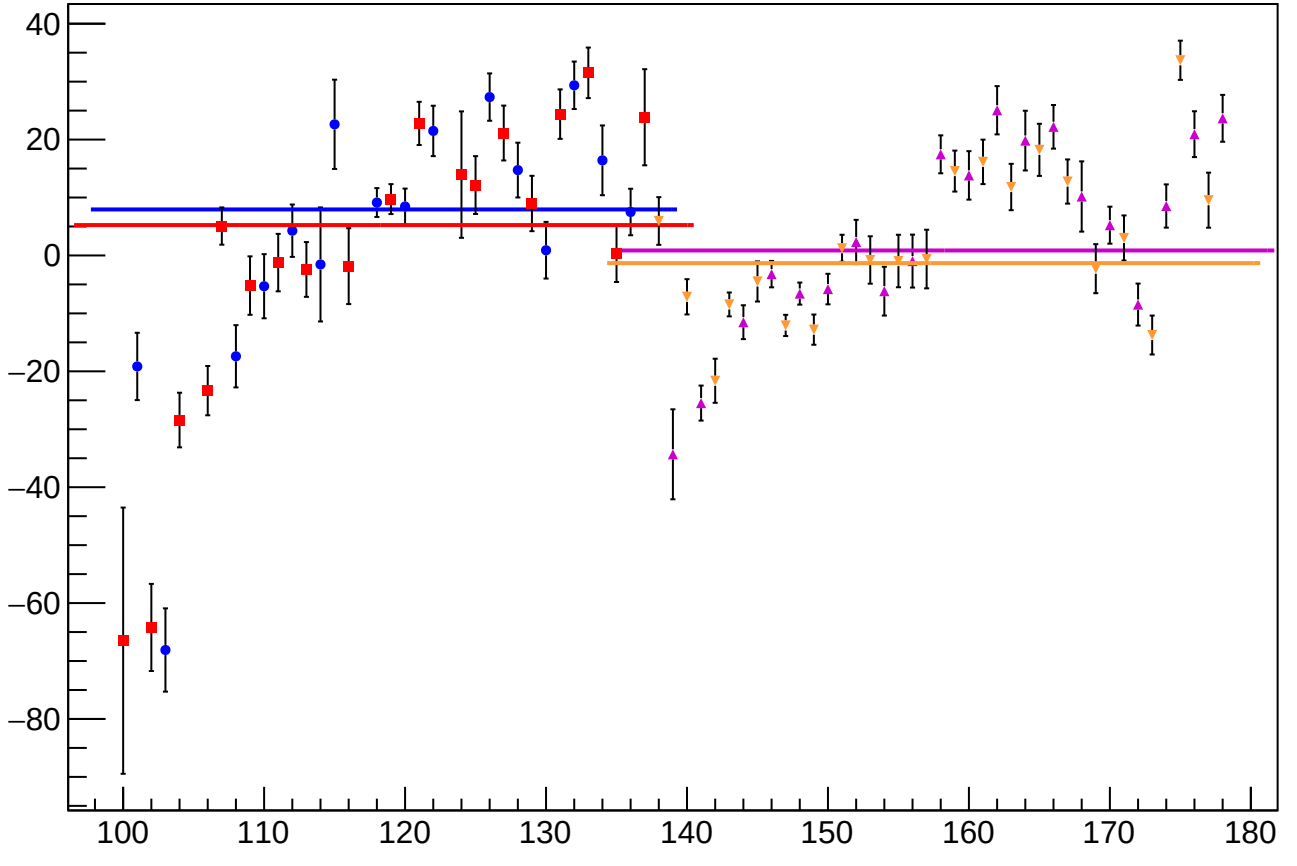
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 198.159+/-0.762 χ^2/NDF:2660.4/35

Out: 184.060+/-0.718 χ^2/NDF:4566.7/39

All: 190.699+/-0.523 χ^2/NDF: 7408.5/75

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: 0.861+/-0.758 χ^2/NDF:329.7/19

Left: -0.307+/-0.517 χ^2/NDF: 648.9/40

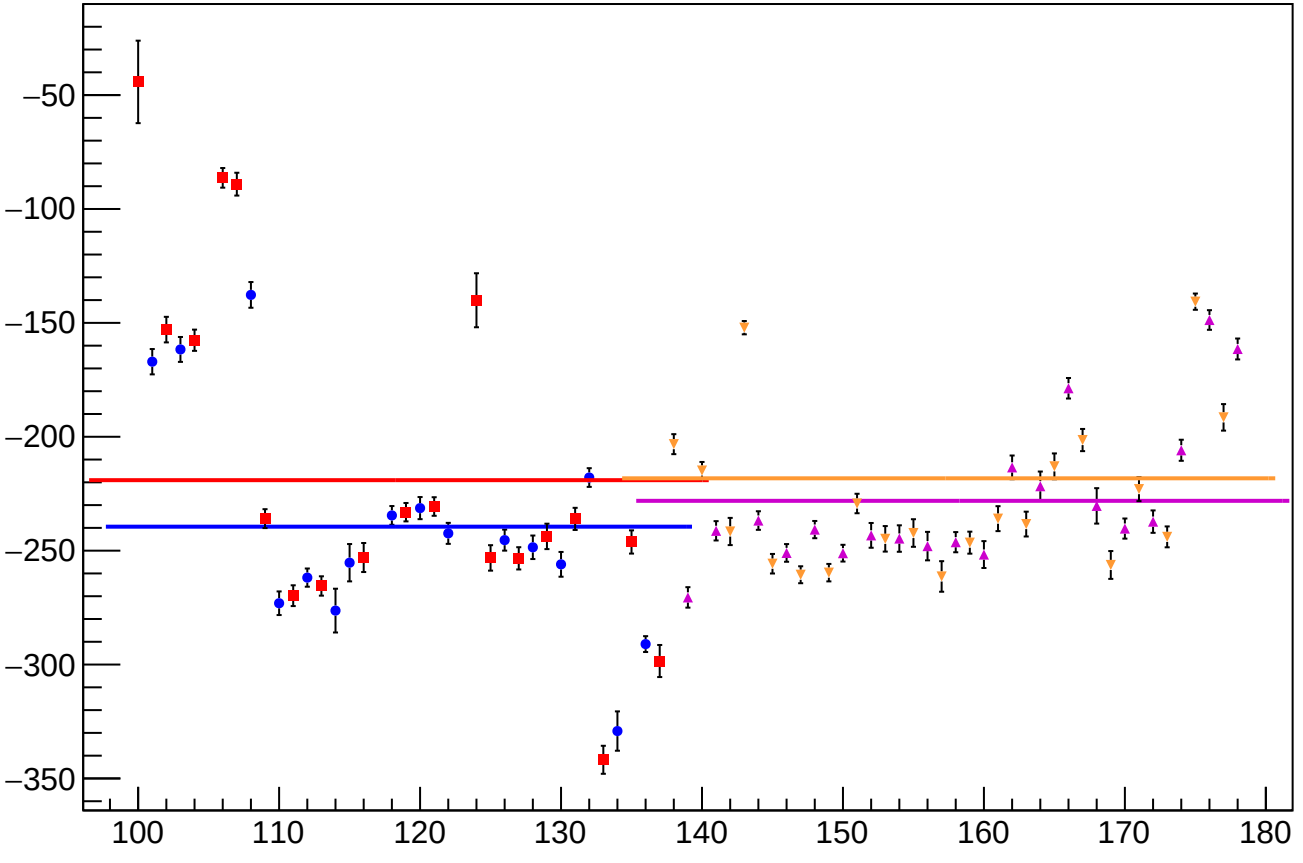
Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 3.102+/-0.626 χ^2/NDF:590.3/35

Out: 0.692+/-0.588 χ^2/NDF:644.2/39

All: 1.822+/-0.429 χ^2/NDF: 1242.4/75

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -228.124+/-1.047 χ^2/NDF:960.3/19

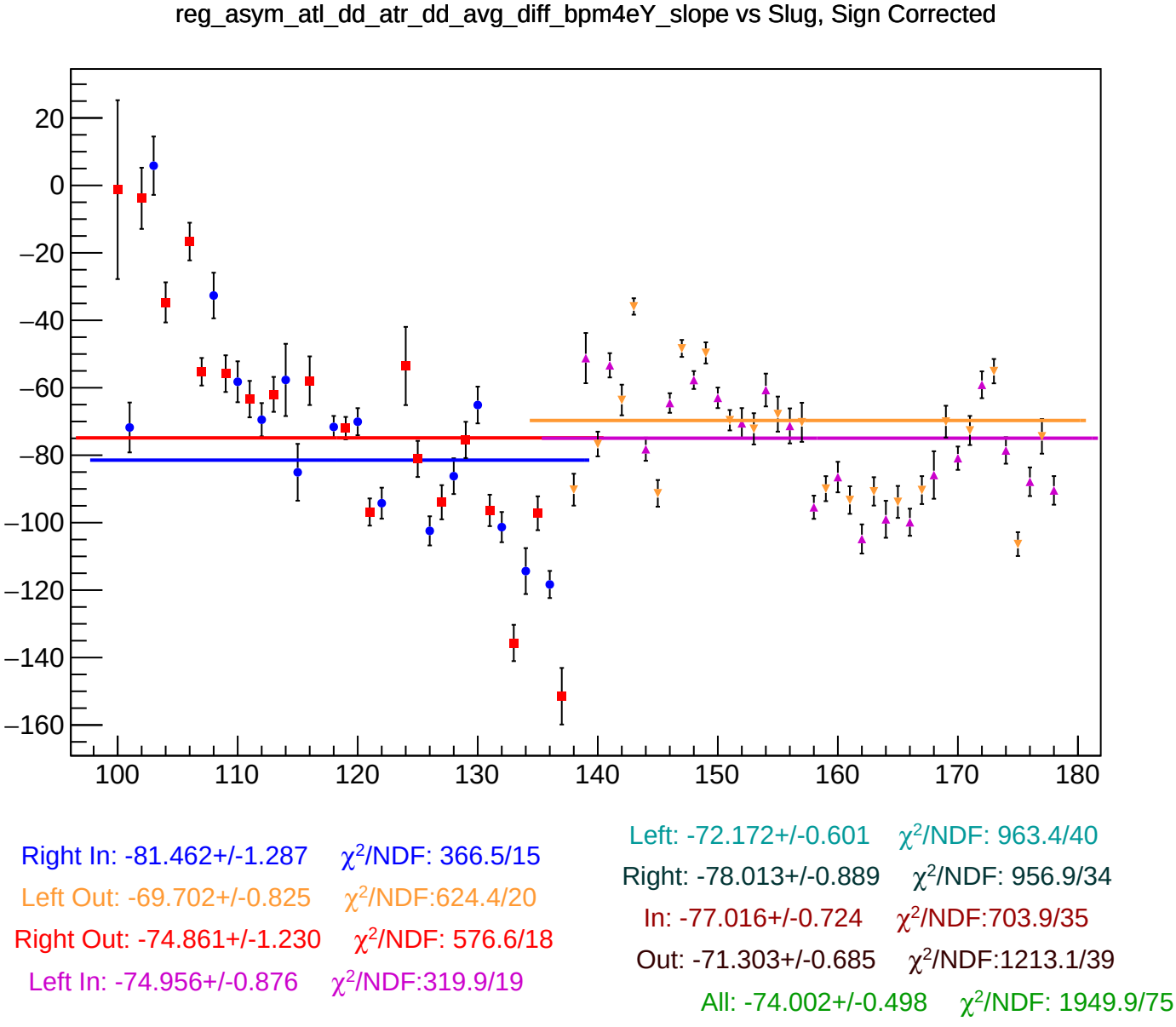
Left: -222.953+/-0.723 χ^2/NDF: 2591.3/40

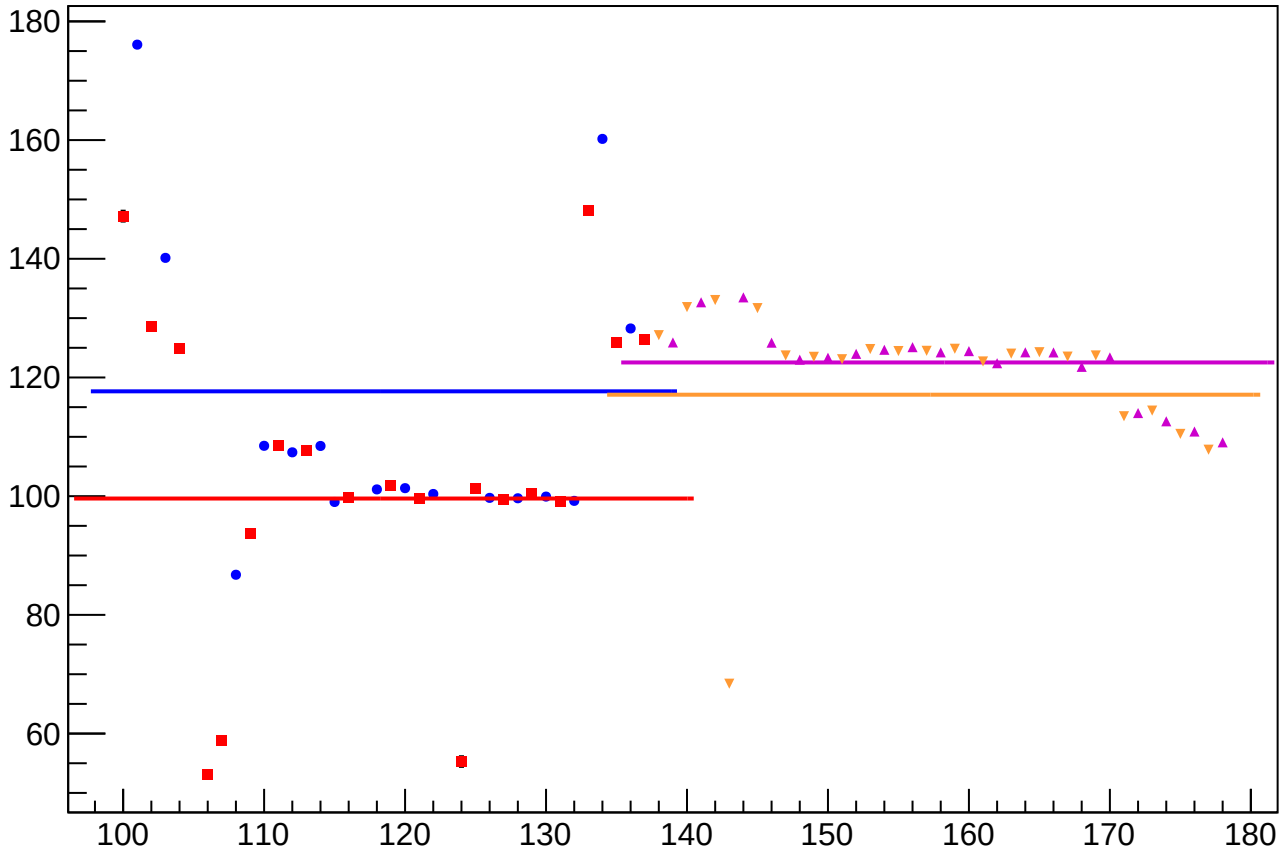
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -232.824+/-0.802 χ^2/NDF:2171.1/35

Out: -218.580+/-0.762 χ^2/NDF:4634.0/39

All: -225.341+/-0.552 χ^2/NDF: 6971.0/75


reg_asym_atl_dd_atr_dd_avg_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: -74.956+/-0.876 χ²/NDF:319.9/19
Left: -72.172+/-0.601 χ²/NDF: 963.4/40
Right: -78.013+/-0.889 χ²/NDF: 956.9/34
In: -77.016+/-0.724 χ²/NDF:703.9/35
Out: -71.303+/-0.685 χ²/NDF:1213.1/39
All: -74.002+/-0.498 χ²/NDF: 1949.9/75



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: 122.532+/-0.040 χ^2/NDF:23266.9/19

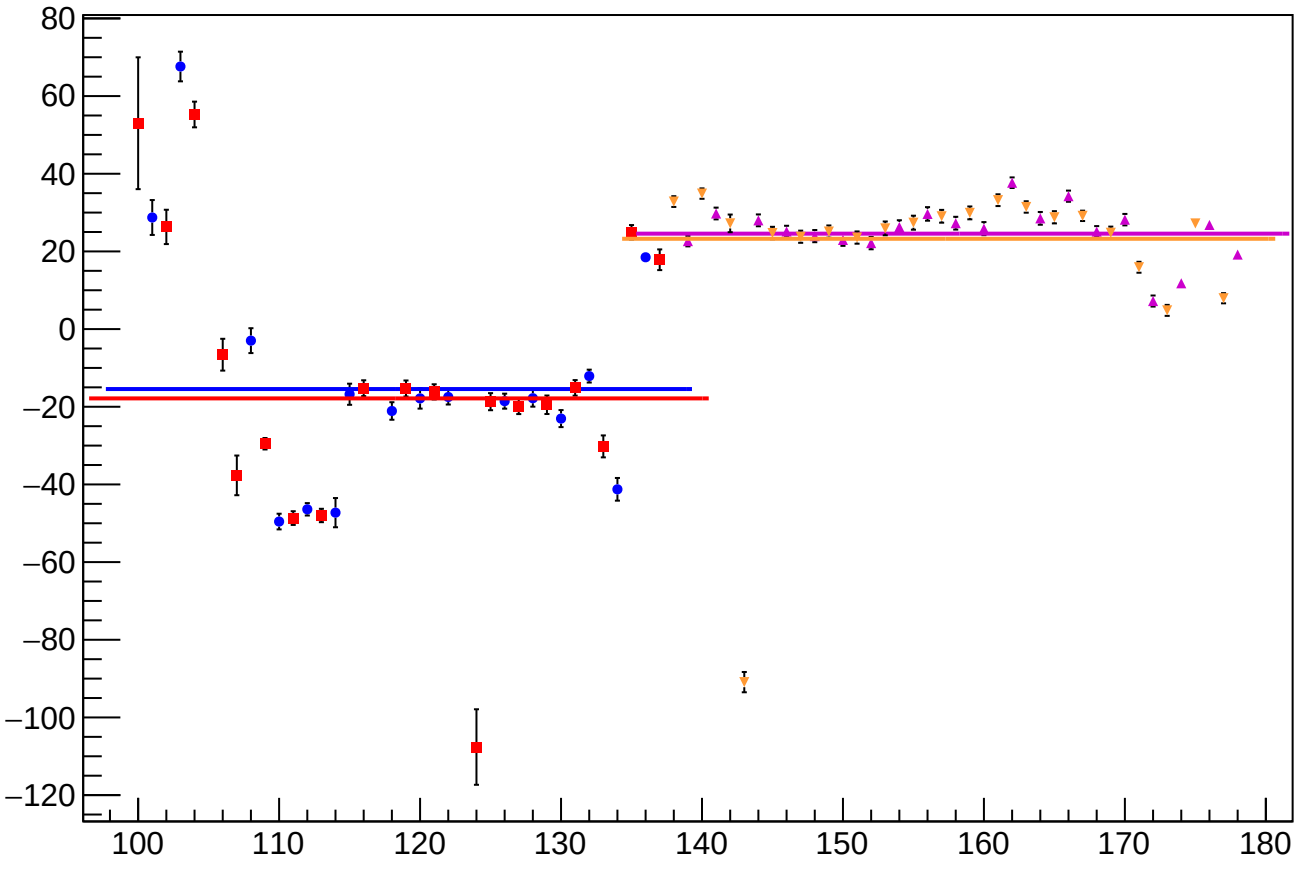
Left: 119.739+/-0.028 χ^2/NDF: 235764.0/40

Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 121.522+/-0.036 χ^2/NDF:121728.5/35

Out: 112.993+/-0.034 χ^2/NDF:416654.8/39

All: 117.064+/-0.025 χ^2/NDF: 568318.9/75



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: 24.575+/-0.324 χ^2/NDF:468.5/19

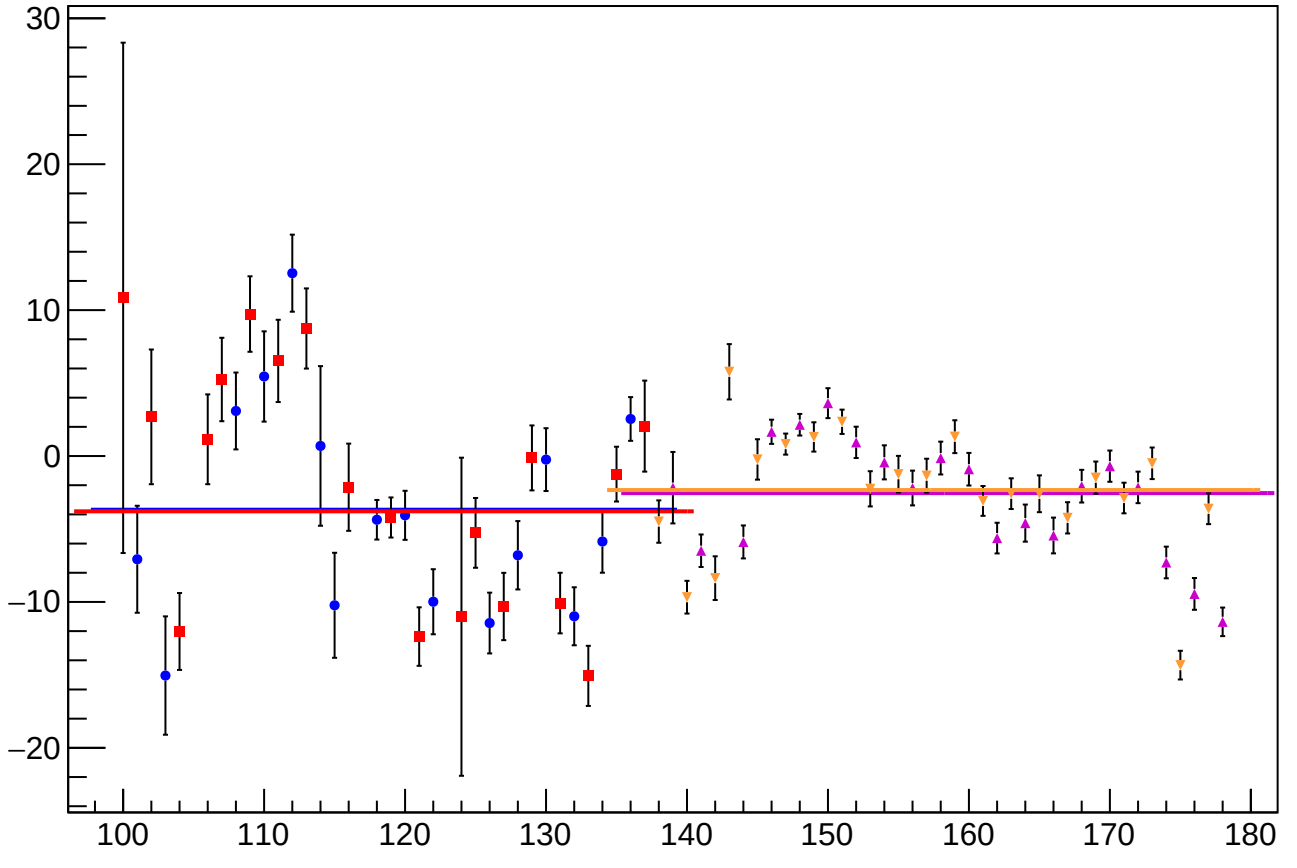
Left: 23.926+/-0.232 χ^2/NDF: 3005.6/40

Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: 13.932+/-0.278 χ^2/NDF:6637.1/35

Out: 11.729+/-0.280 χ^2/NDF:8987.8/39

All: 12.840+/-0.197 χ^2/NDF: 15656.1/75



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: -2.540+/-0.240 χ^2/NDF:304.6/19

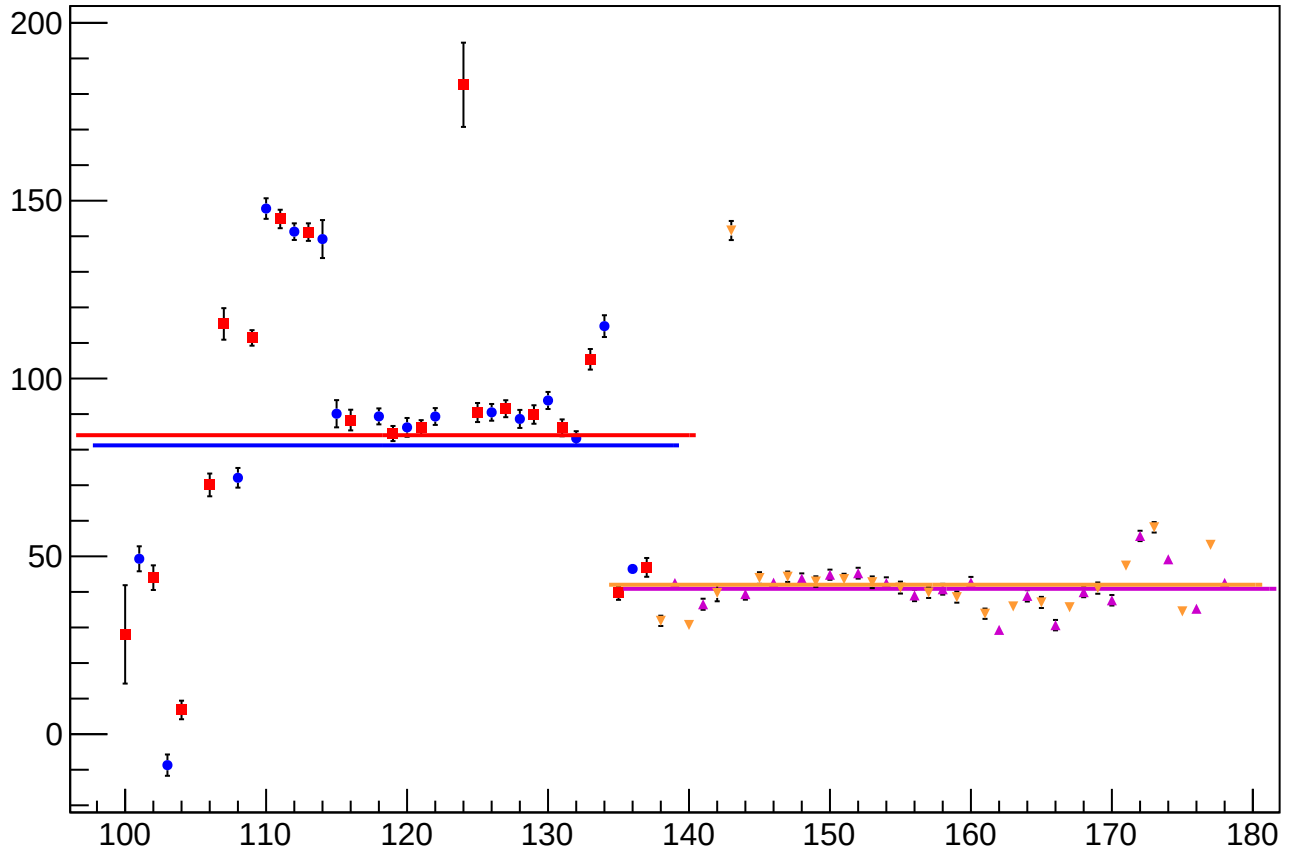
Left: -2.435+/-0.169 χ^2/NDF: 620.7/40

Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -2.721+/-0.220 χ^2/NDF:432.2/35

Out: -2.553+/-0.220 χ^2/NDF:482.6/39

All: -2.637+/-0.156 χ^2/NDF: 915.1/75



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: 40.873+/-0.320 χ^2/NDF:336.2/19

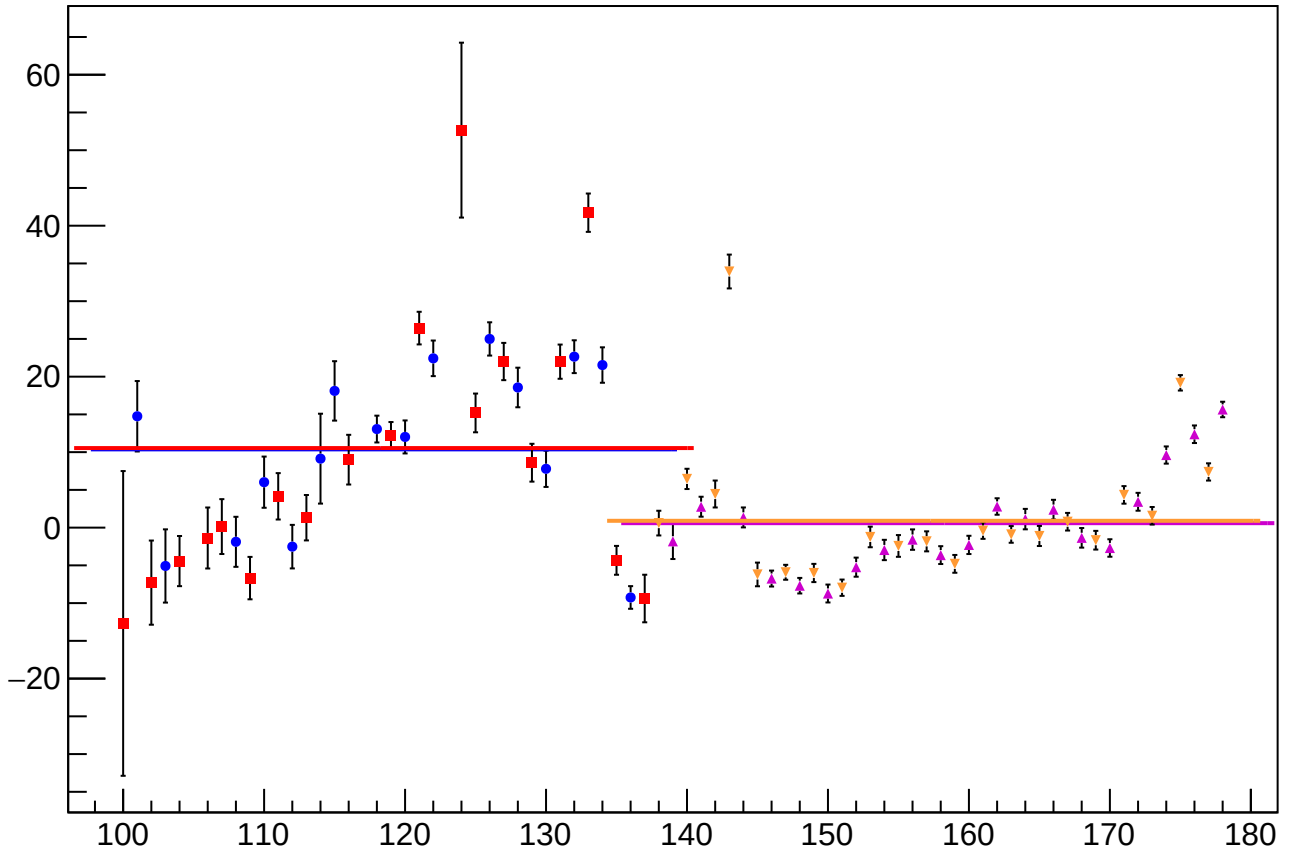
Left: 41.435+/-0.228 χ^2/NDF: 2191.2/40

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 49.626+/-0.283 χ^2/NDF:7022.4/35

Out: 51.172+/-0.288 χ^2/NDF:8696.9/39

All: 50.386+/-0.202 χ^2/NDF: 15734.0/75



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: 0.591+/-0.272 χ^2/NDF:630.7/19

Left: 0.748+/-0.192 χ^2/NDF: 1444.0/40

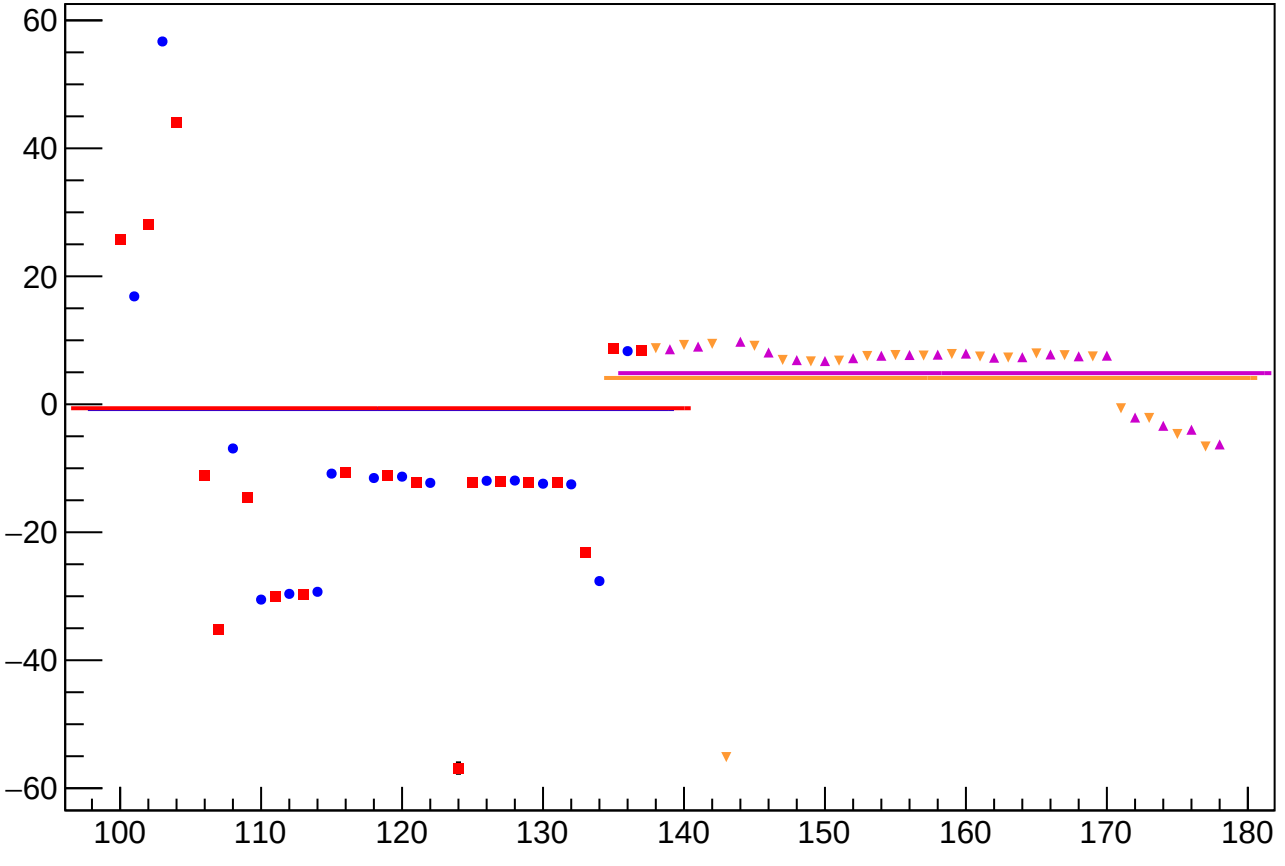
Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 2.145+/-0.250 χ^2/NDF:1195.2/35

Out: 2.376+/-0.250 χ^2/NDF:1475.2/39

All: 2.260+/-0.177 χ^2/NDF: 2670.9/75

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: 4.867+/-0.012 χ^2/NDF:181365.4/19

Left: 4.497+/-0.009 χ^2/NDF: 642059.7/40

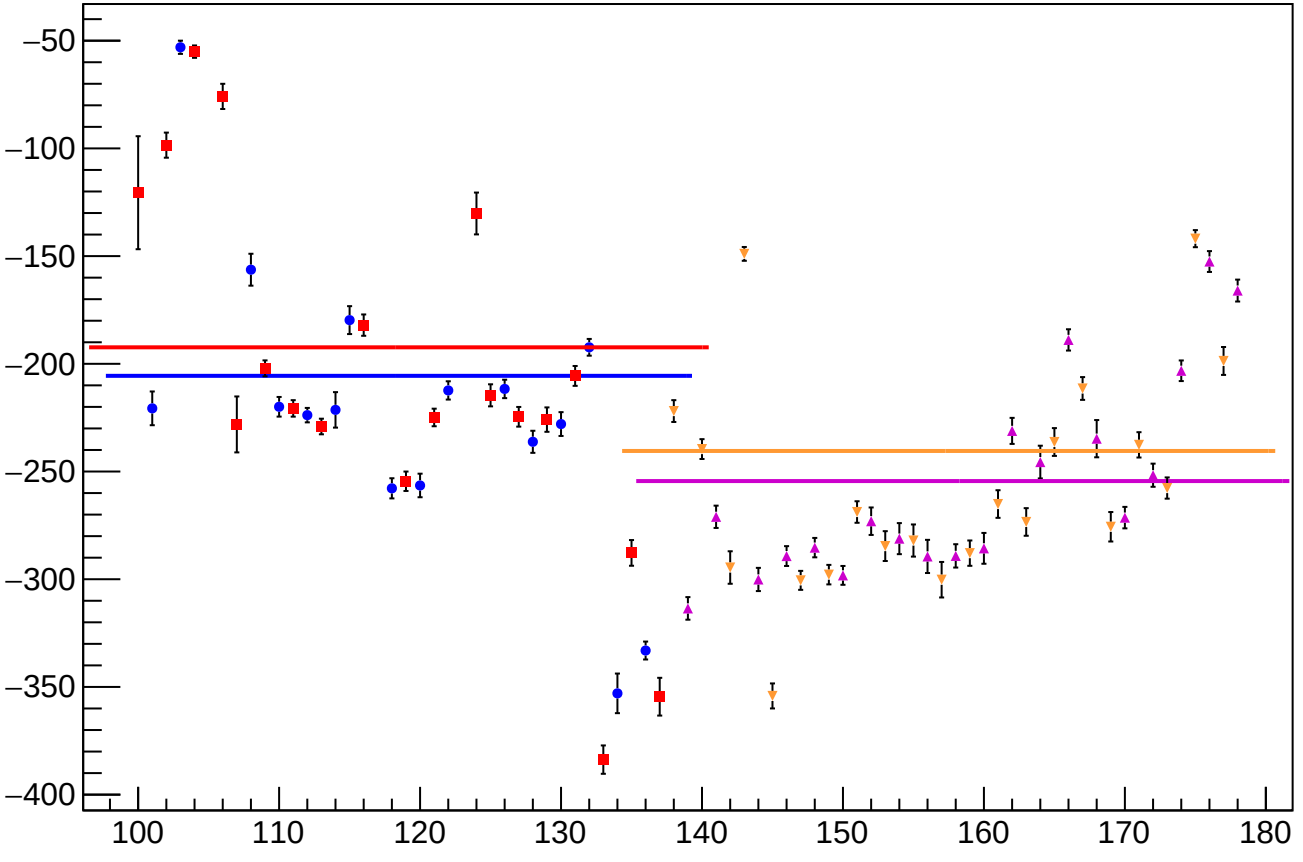
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 4.302+/-0.011 χ^2/NDF:571360.8/35

Out: 3.655+/-0.012 χ^2/NDF:789757.2/39

All: 3.985+/-0.008 χ^2/NDF: 1362700.3/75

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: -254.430+/-1.221 χ^2/NDF:1586.8/19

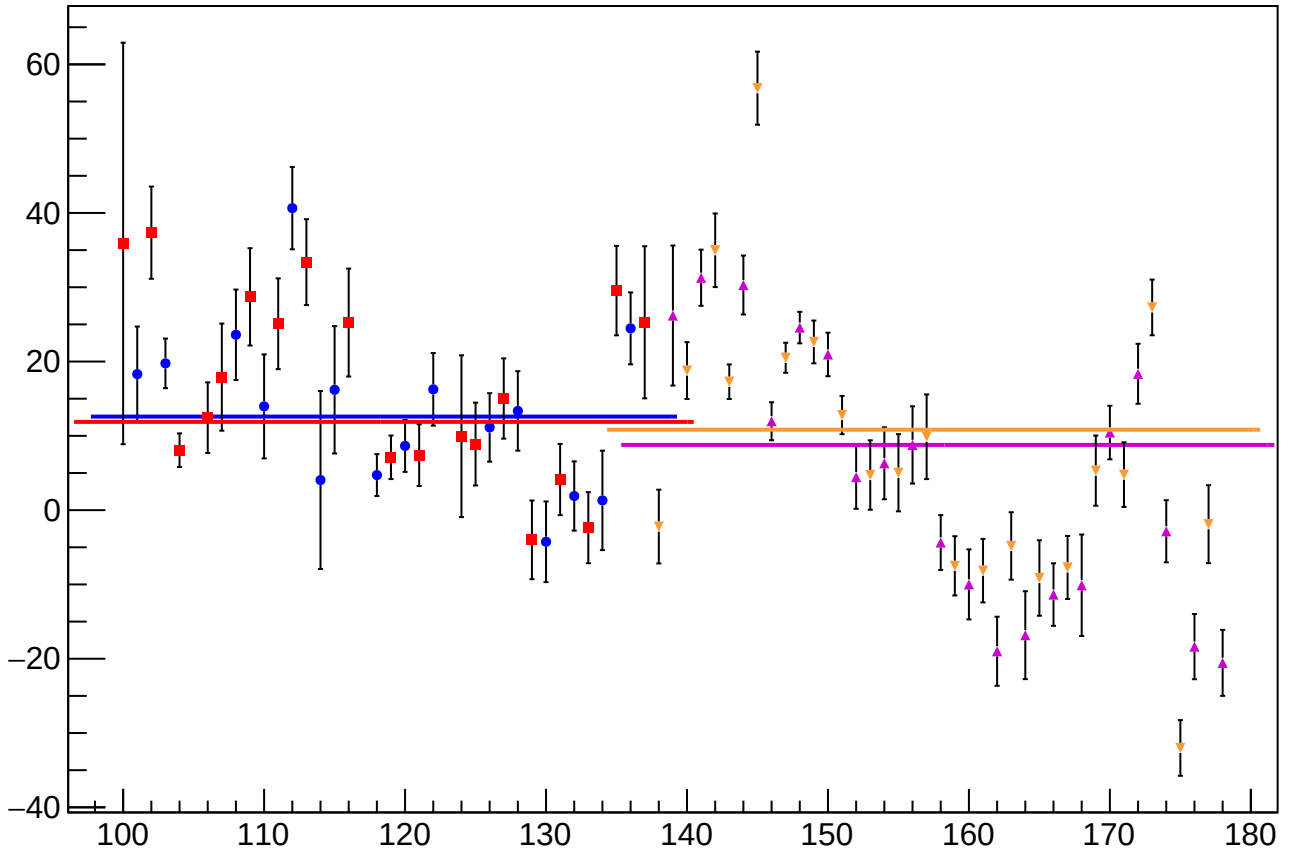
Left: -247.093+/-0.842 χ^2/NDF: 4255.9/40

Right: -198.605+/-0.815 χ^2/NDF: 9091.6/34

In: -229.258+/-0.850 χ^2/NDF:6467.1/35

Out: -215.570+/-0.807 χ^2/NDF:8457.0/39

All: -222.058+/-0.585 χ^2/NDF: 15060.3/75



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: 8.781+/-0.864 χ^2/NDF:352.8/19

Left: 9.876+/-0.589 χ^2/NDF: 775.6/40

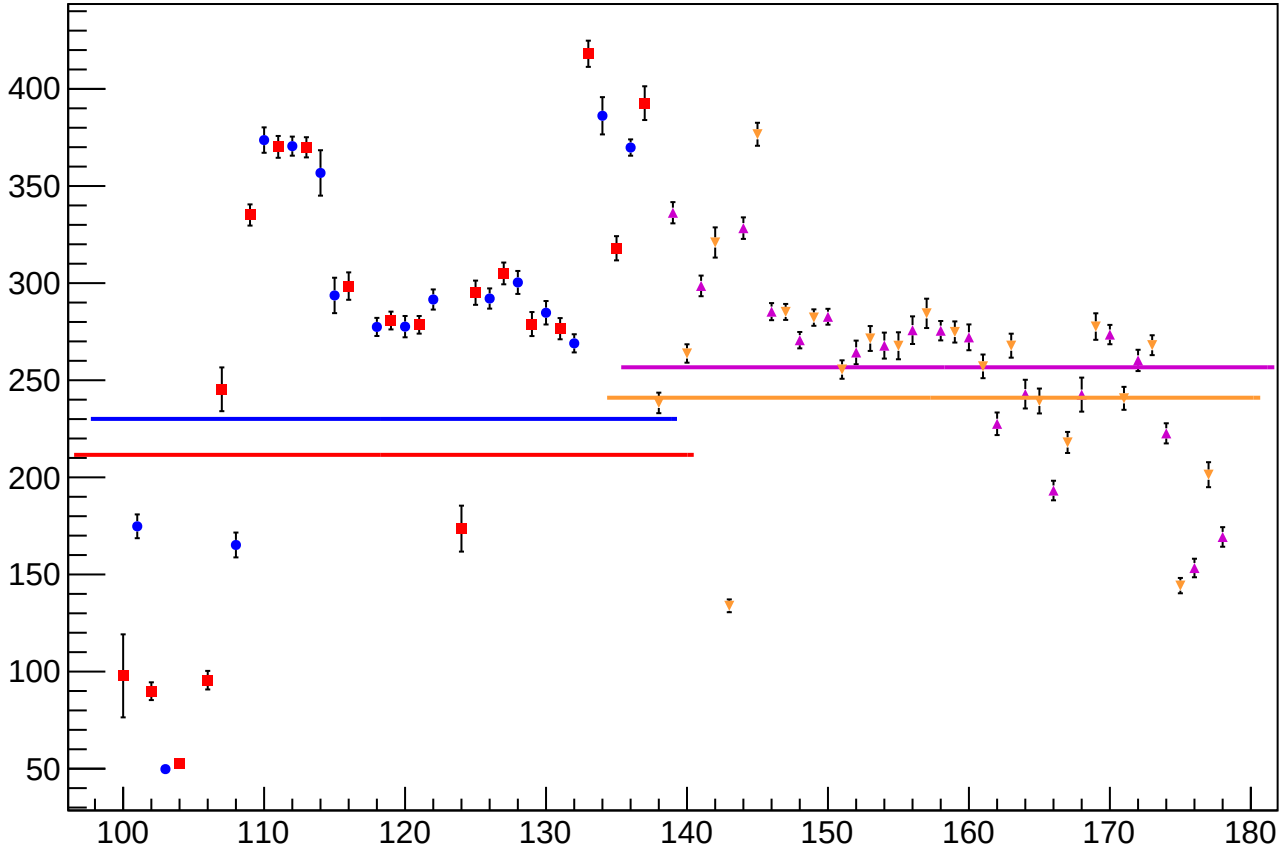
Right: 12.211+/-0.820 χ^2/NDF: 153.6/34

In: 10.078+/-0.702 χ^2/NDF:427.9/35

Out: 11.185+/-0.654 χ^2/NDF:505.3/39

All: 10.670+/-0.478 χ^2/NDF: 934.6/75

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: 256.676+/-1.199 χ^2/NDF:1579.6/19

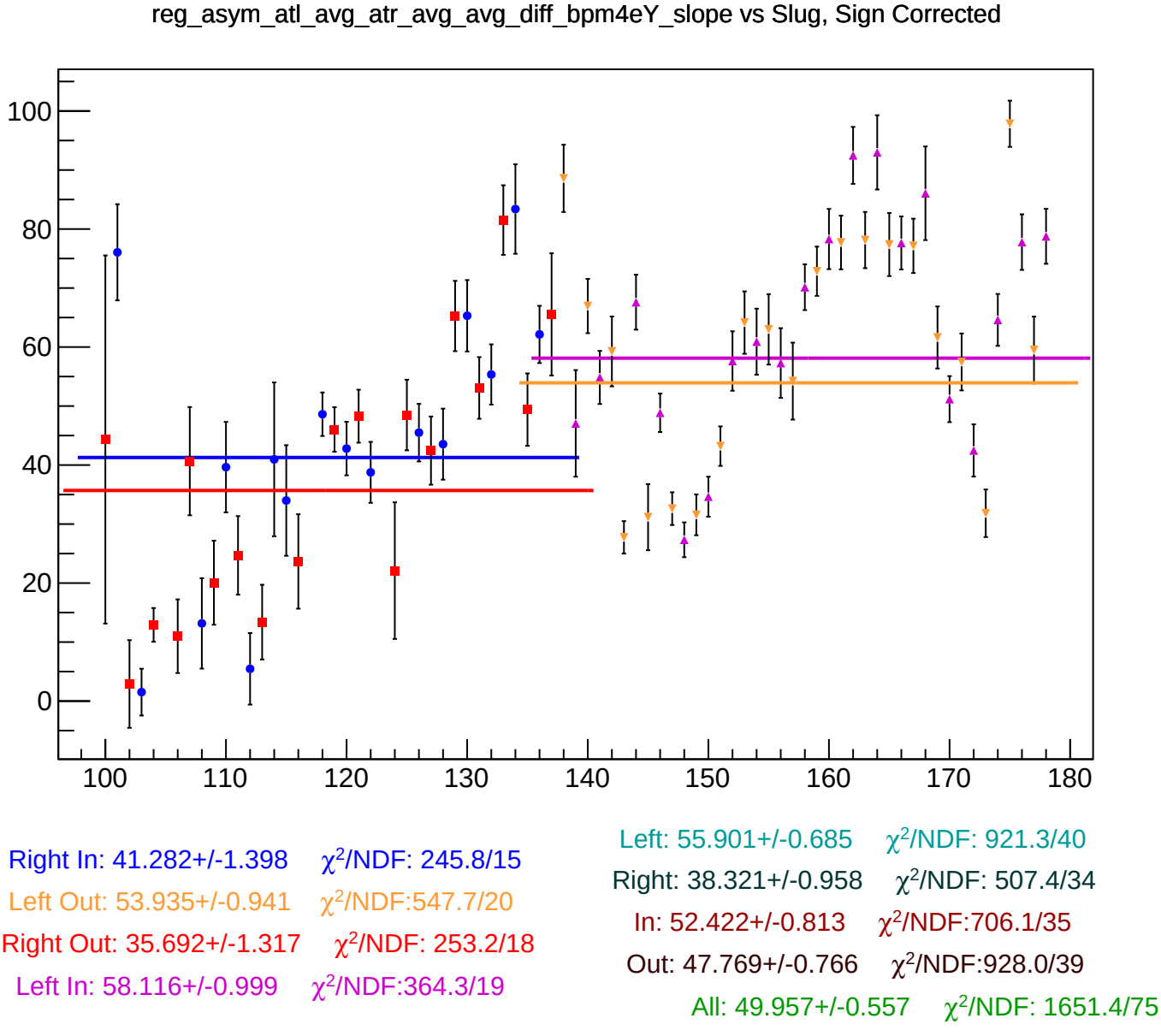
Left: 248.488+/-0.828 χ^2/NDF: 4444.6/40

Right: 220.357+/-0.867 χ^2/NDF: 20961.4/34

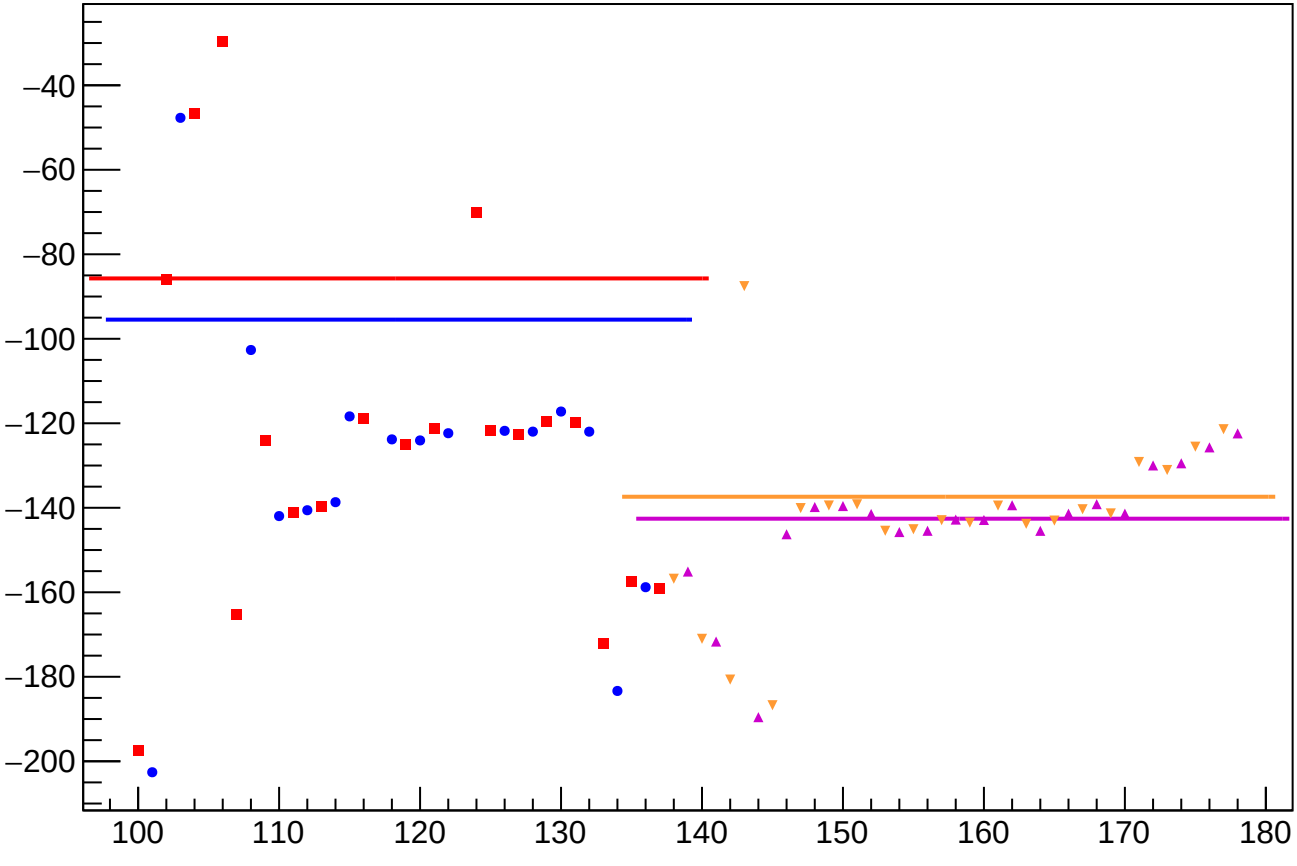
In: 244.040+/-0.868 χ^2/NDF:11188.8/35

Out: 226.914+/-0.827 χ^2/NDF:14563.6/39

All: 235.062+/-0.599 χ^2/NDF: 25956.3/75


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: 58.116+/-0.999 χ2/NDF:364.3/19
Left: 55.901+/-0.685 χ2/NDF: 921.3/40
Right: 38.321+/-0.958 χ2/NDF: 507.4/34
In: 52.422+/-0.813 χ2/NDF:706.1/35
Out: 47.769+/-0.766 χ2/NDF:928.0/39
All: 49.957+/-0.557 χ2/NDF: 1651.4/75

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -137.387+/-0.045 χ^2/NDF:245932.7/20

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

Left In: -142.584+/-0.046 χ^2/NDF:84177.1/19

Left: -139.916+/-0.032 χ^2/NDF: 336739.5/40

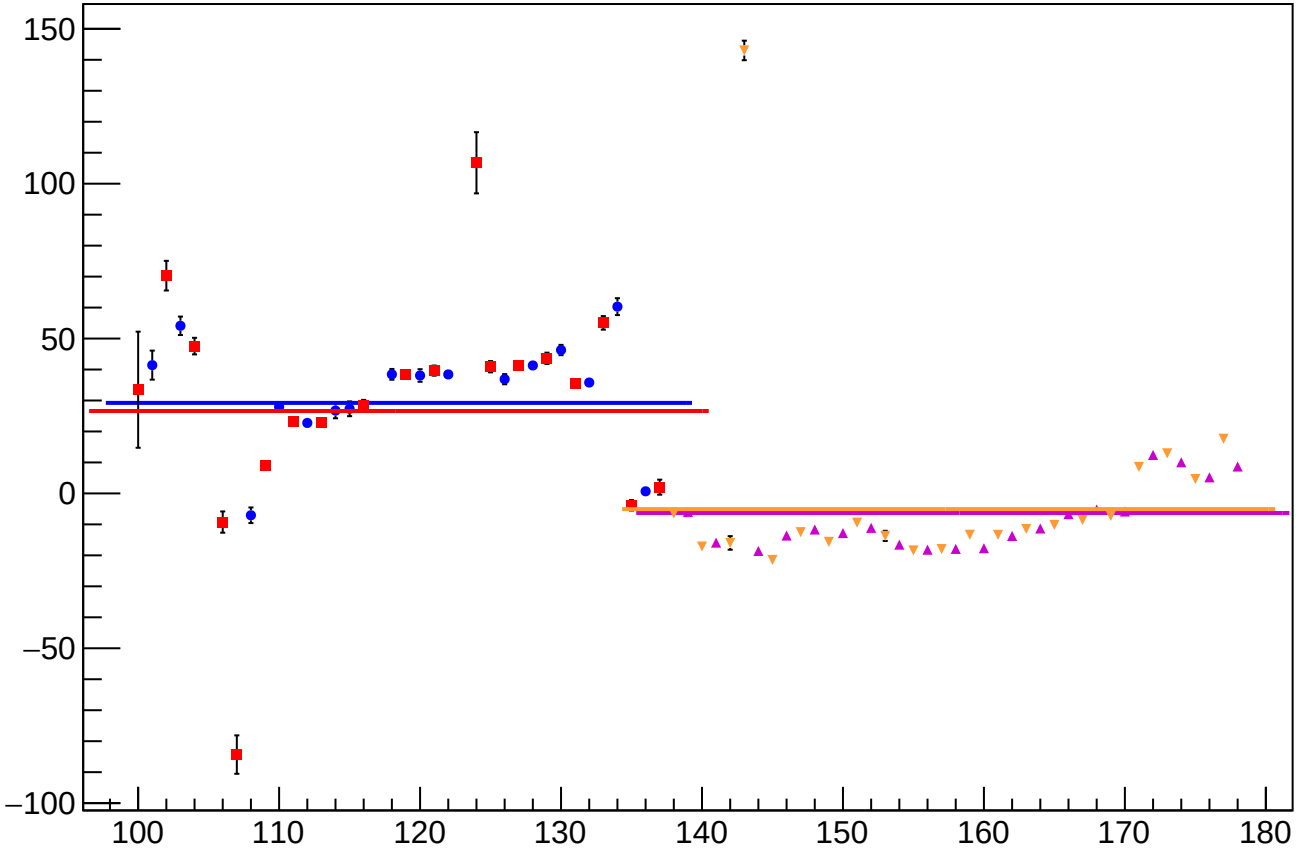
Right: -90.413+/-0.048 χ^2/NDF: 1012777.7/34

In: -128.333+/-0.038 χ^2/NDF:925151.4/35

Out: -121.538+/-0.037 χ^2/NDF:1141474.5/39

All: -124.835+/-0.027 χ^2/NDF: 2082922.5/75

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: -6.315+/-0.304 χ^2/NDF:1136.0/19

Left: -5.706+/-0.217 χ^2/NDF: 4658.7/40

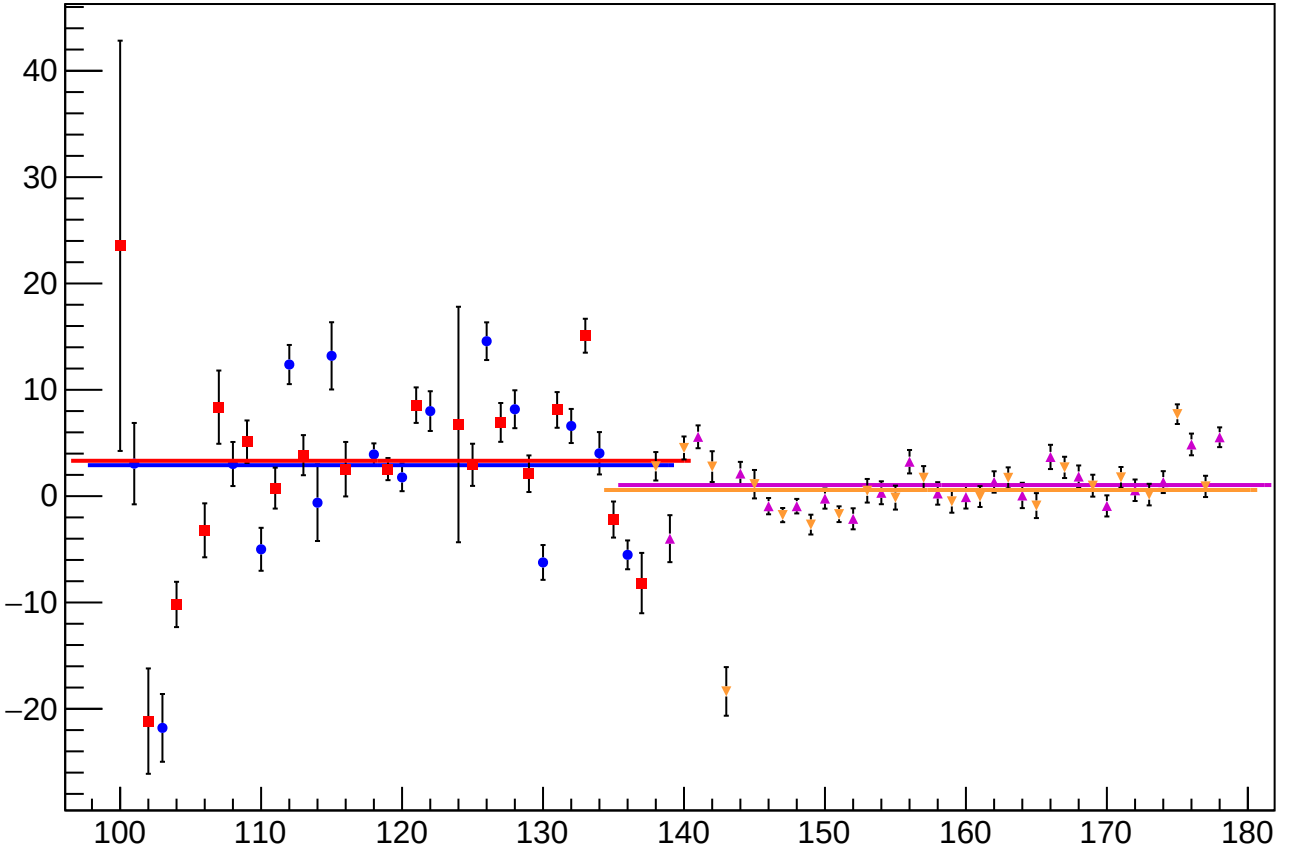
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 5.724+/-0.247 χ^2/NDF:7120.1/35

Out: 6.304+/-0.248 χ^2/NDF:9186.7/39

All: 6.013+/-0.175 χ^2/NDF: 16309.5/75

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: 1.045+/-0.225 χ^2/NDF:105.8/19

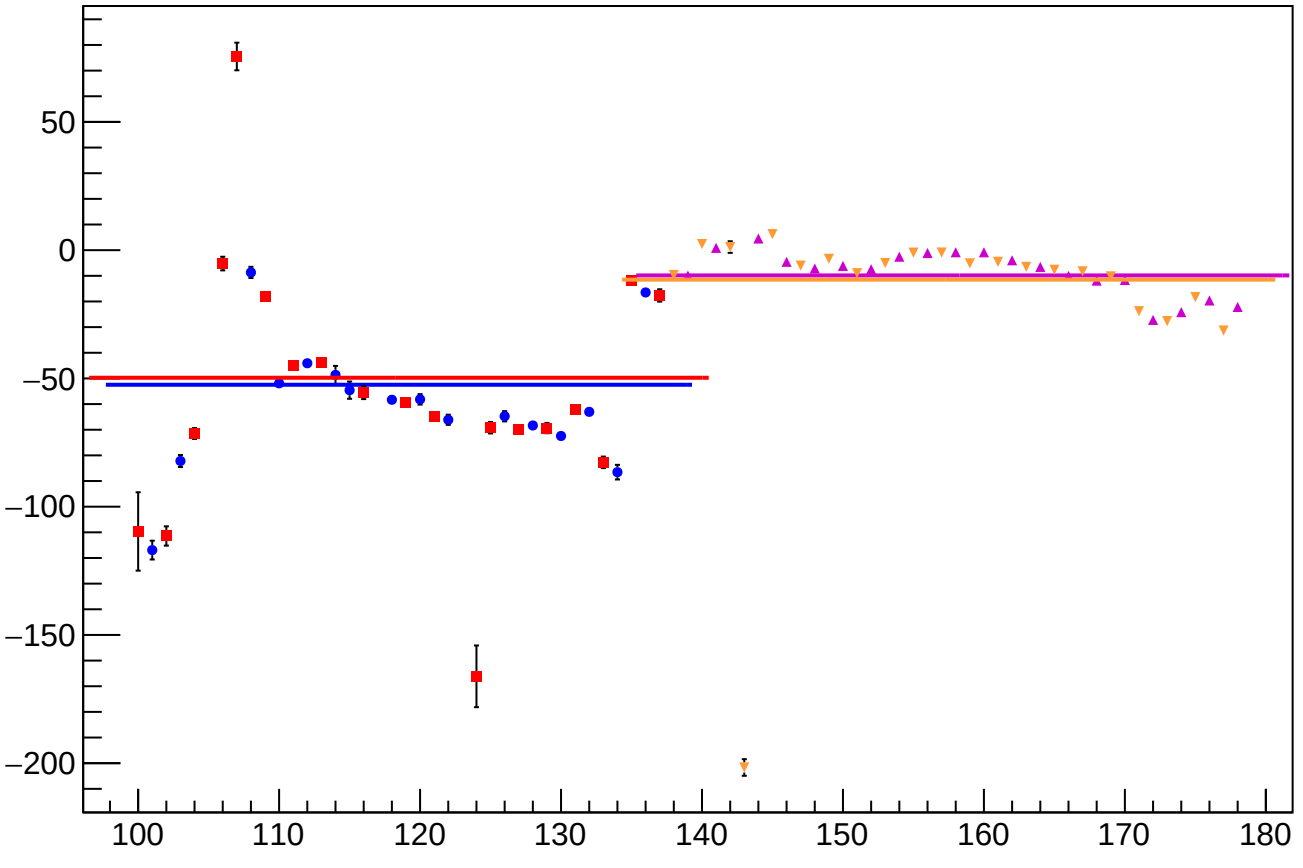
Left: 0.810+/-0.158 χ^2/NDF: 301.1/40

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 1.428+/-0.200 χ^2/NDF:369.9/35

Out: 1.114+/-0.200 χ^2/NDF:404.5/39

All: 1.271+/-0.142 χ^2/NDF: 775.6/75



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: -9.843+/-0.299 χ^2/NDF:847.2/19

Left: -10.652+/-0.213 χ^2/NDF: 5351.2/40

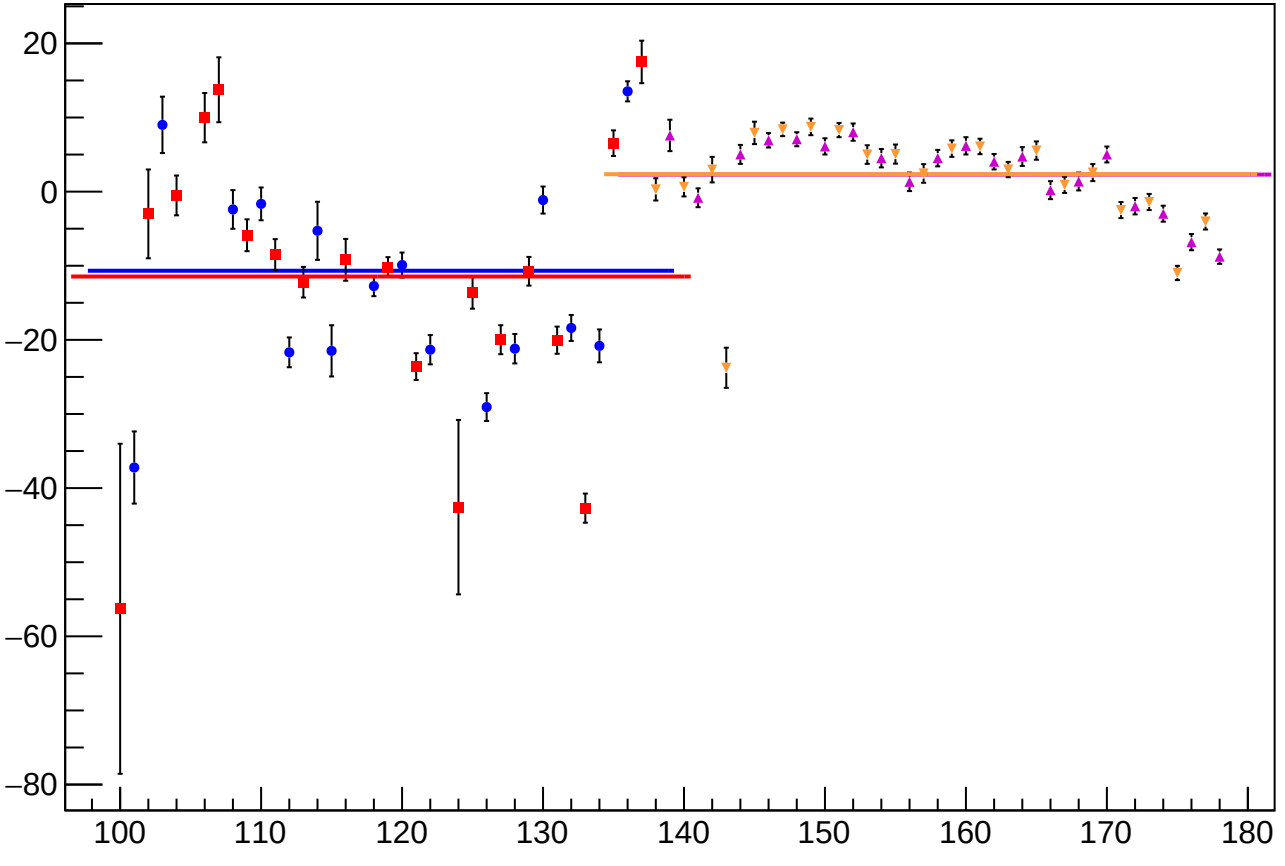
Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -21.485+/-0.255 χ^2/NDF:8727.6/35

Out: -22.025+/-0.259 χ^2/NDF:11840.2/39

All: -21.751+/-0.182 χ^2/NDF: 20570.0/75

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 2.354+/-0.255 χ^2/NDF:523.6/20

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 2.302+/-0.255 χ^2/NDF:373.5/19

Left: 2.328+/-0.180 χ^2/NDF: 897.1/40

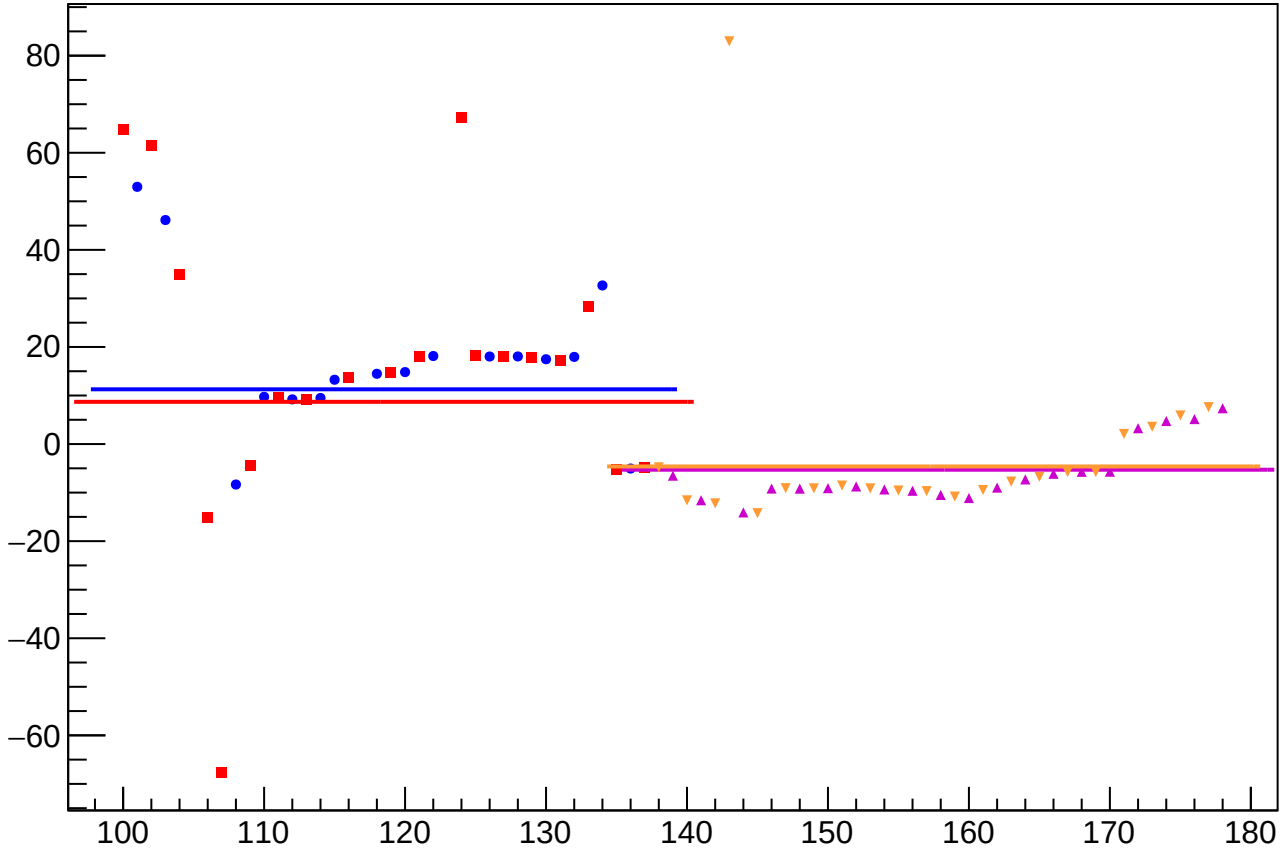
Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: -0.333+/-0.228 χ^2/NDF:1565.2/35

Out: -0.347+/-0.228 χ^2/NDF:1764.9/39

All: -0.340+/-0.161 χ^2/NDF: 3330.1/75

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -4.616+/-0.011 χ^2/NDF:725264.1/20

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -5.284+/-0.011 χ^2/NDF:306856.2/19

Left: -4.957+/-0.008 χ^2/NDF: 1033855.9/40

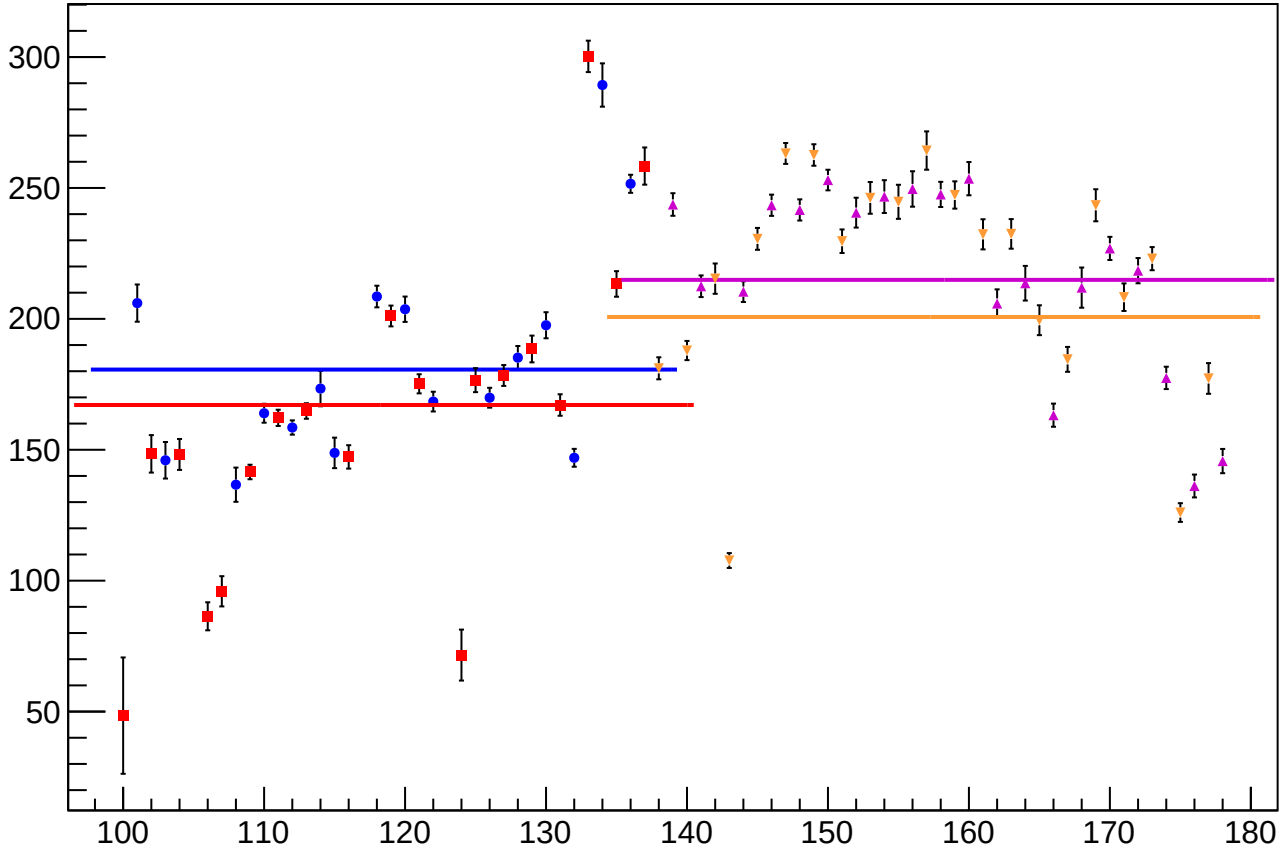
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -3.242+/-0.011 χ^2/NDF:924758.6/35

Out: -3.057+/-0.011 χ^2/NDF:1319945.3/39

All: -3.152+/-0.008 χ^2/NDF: 2244855.3/75

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: 214.897+/-1.065 χ^2/NDF:1161.3/19

Left: 207.437+/-0.733 χ^2/NDF: 3789.9/40

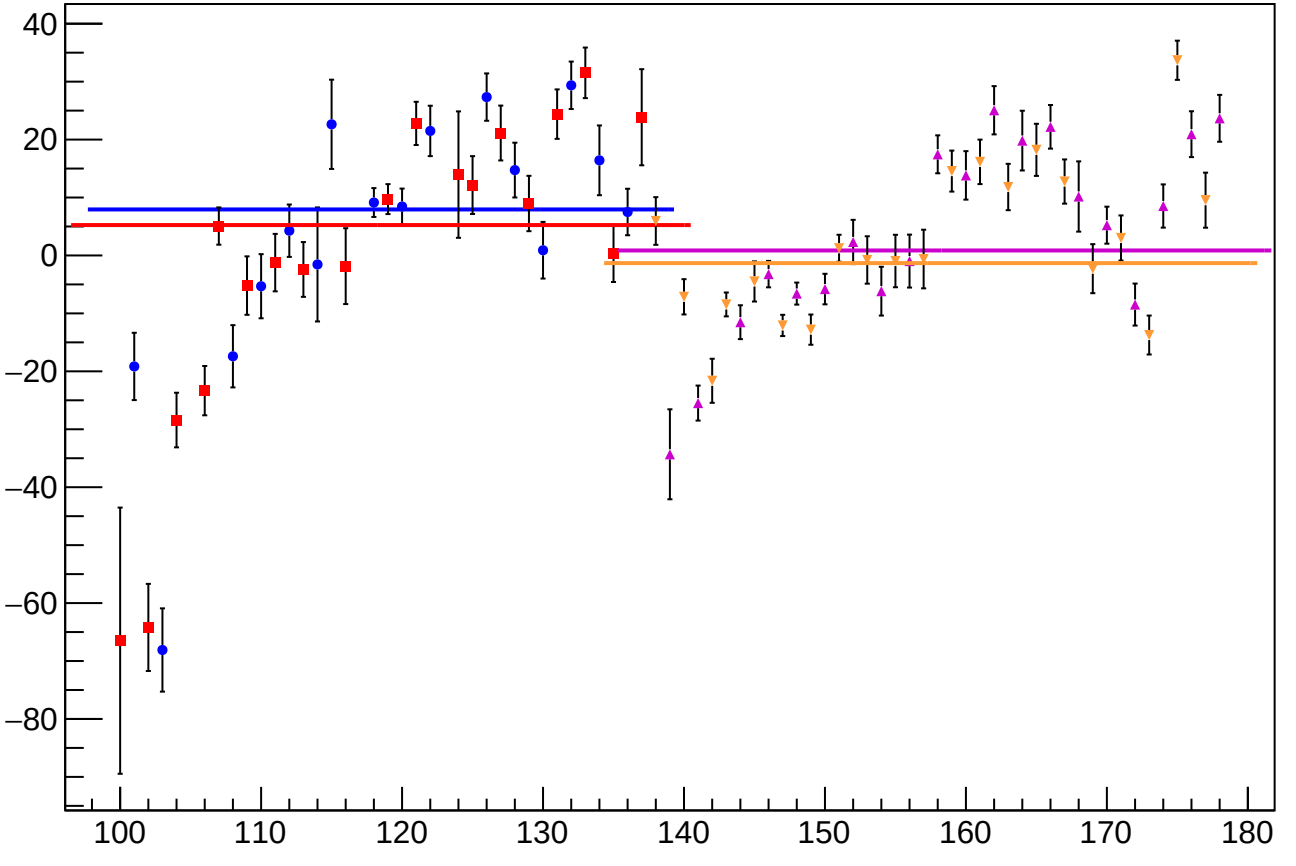
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 198.159+/-0.762 χ^2/NDF:2660.4/35

Out: 184.060+/-0.718 χ^2/NDF:4566.7/39

All: 190.699+/-0.523 χ^2/NDF: 7408.5/75

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: 0.861+/-0.758 χ^2/NDF:329.7/19

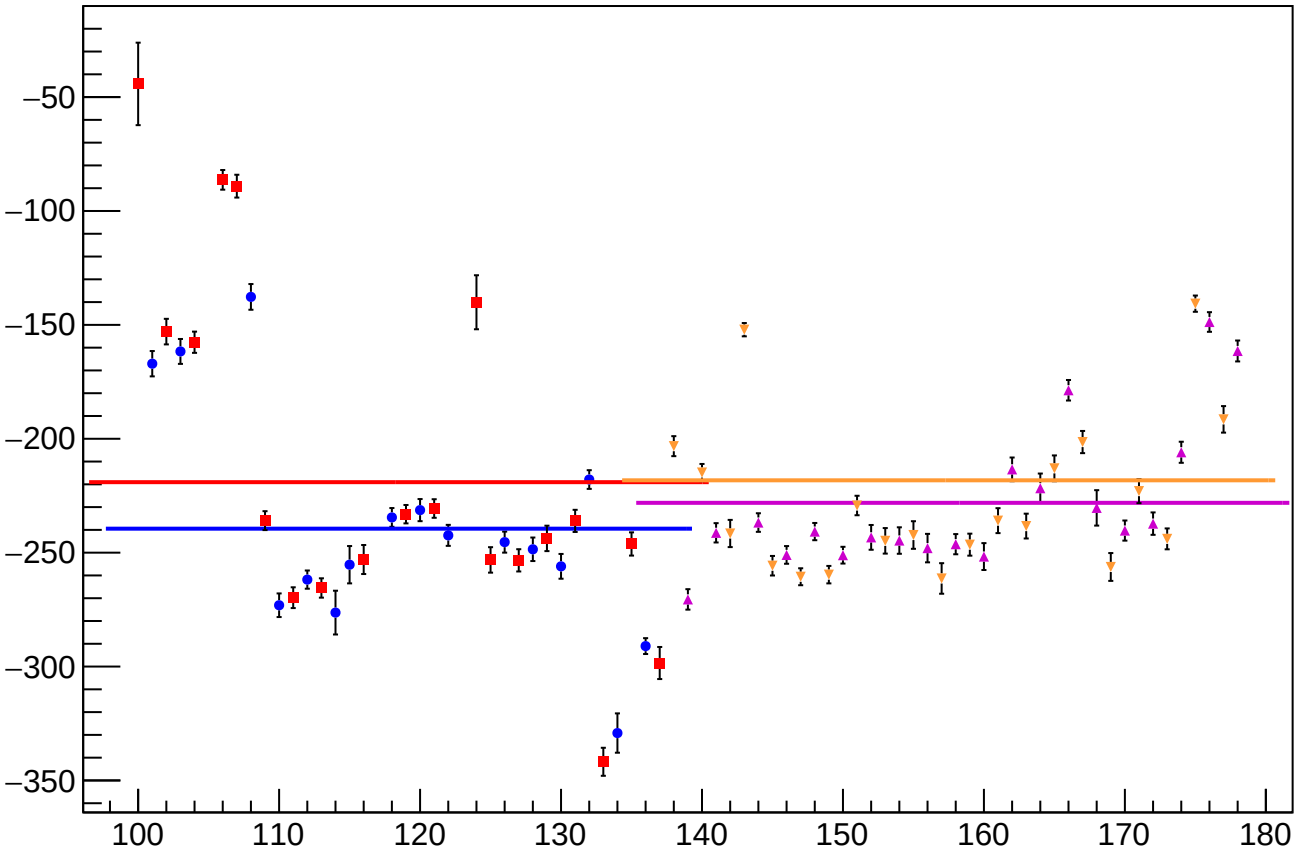
Left: -0.307+/-0.517 χ^2/NDF: 648.9/40

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 3.102+/-0.626 χ^2/NDF:590.3/35

Out: 0.692+/-0.588 χ^2/NDF:644.2/39

All: 1.822+/-0.429 χ^2/NDF: 1242.4/75



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: -228.124+/-1.047 χ^2/NDF:960.3/19

Left: -222.953+/-0.723 χ^2/NDF: 2591.3/40

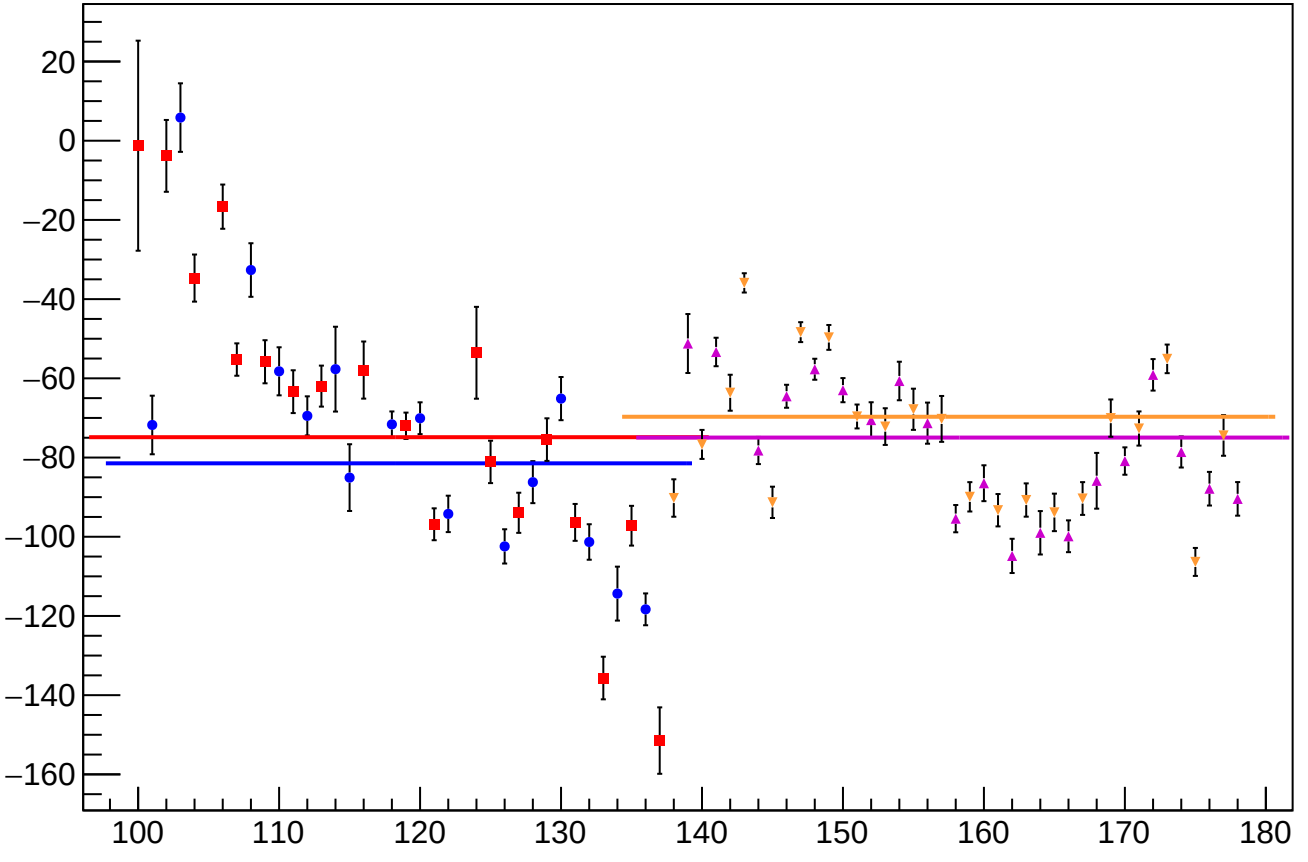
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -232.824+/-0.802 χ^2/NDF:2171.1/35

Out: -218.580+/-0.762 χ^2/NDF:4634.0/39

All: -225.341+/-0.552 χ^2/NDF: 6971.0/75

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -69.702+/-0.825 χ^2/NDF:624.4/20

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -74.956+/-0.876 χ^2/NDF:319.9/19

Left: -72.172+/-0.601 χ^2/NDF: 963.4/40

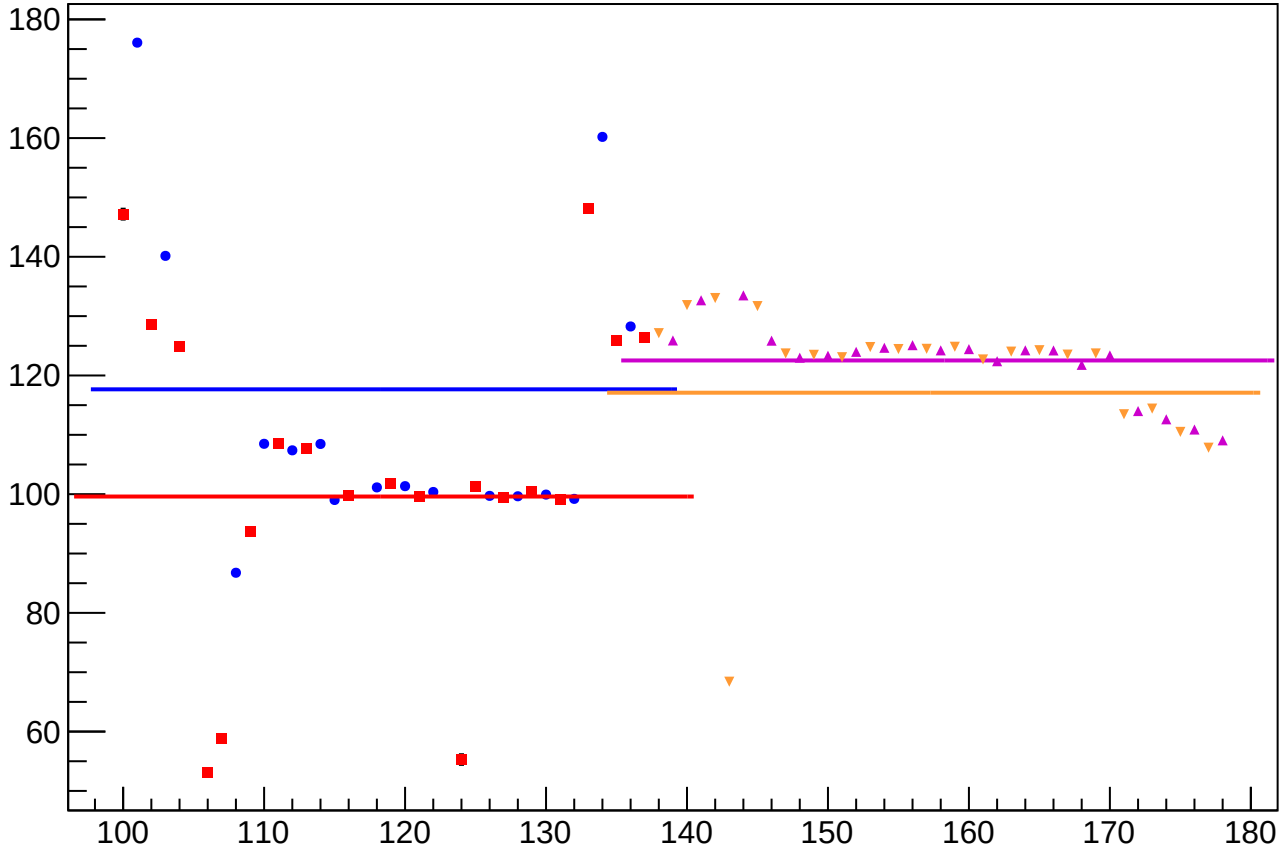
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -77.016+/-0.724 χ^2/NDF:703.9/35

Out: -71.303+/-0.685 χ^2/NDF:1213.1/39

All: -74.002+/-0.498 χ^2/NDF: 1949.9/75

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: 122.532+/-0.040 χ^2/NDF:23266.9/19

Left: 119.739+/-0.028 χ^2/NDF: 235764.0/40

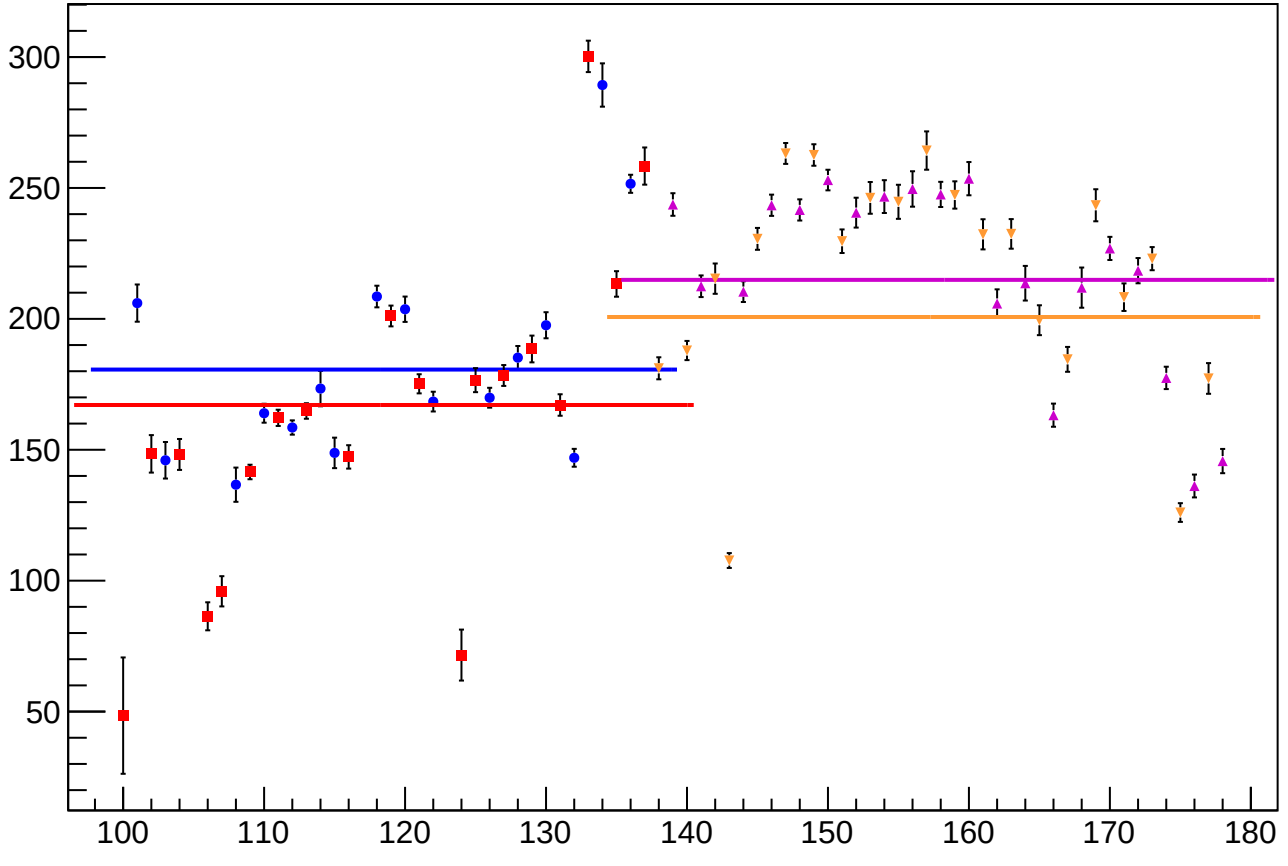
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 121.522+/-0.036 χ^2/NDF:121728.5/35

Out: 112.993+/-0.034 χ^2/NDF:416654.8/39

All: 117.064+/-0.025 χ^2/NDF: 568318.9/75

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: 214.897+/-1.065 χ^2/NDF:1161.3/19

Left: 207.437+/-0.733 χ^2/NDF: 3789.9/40

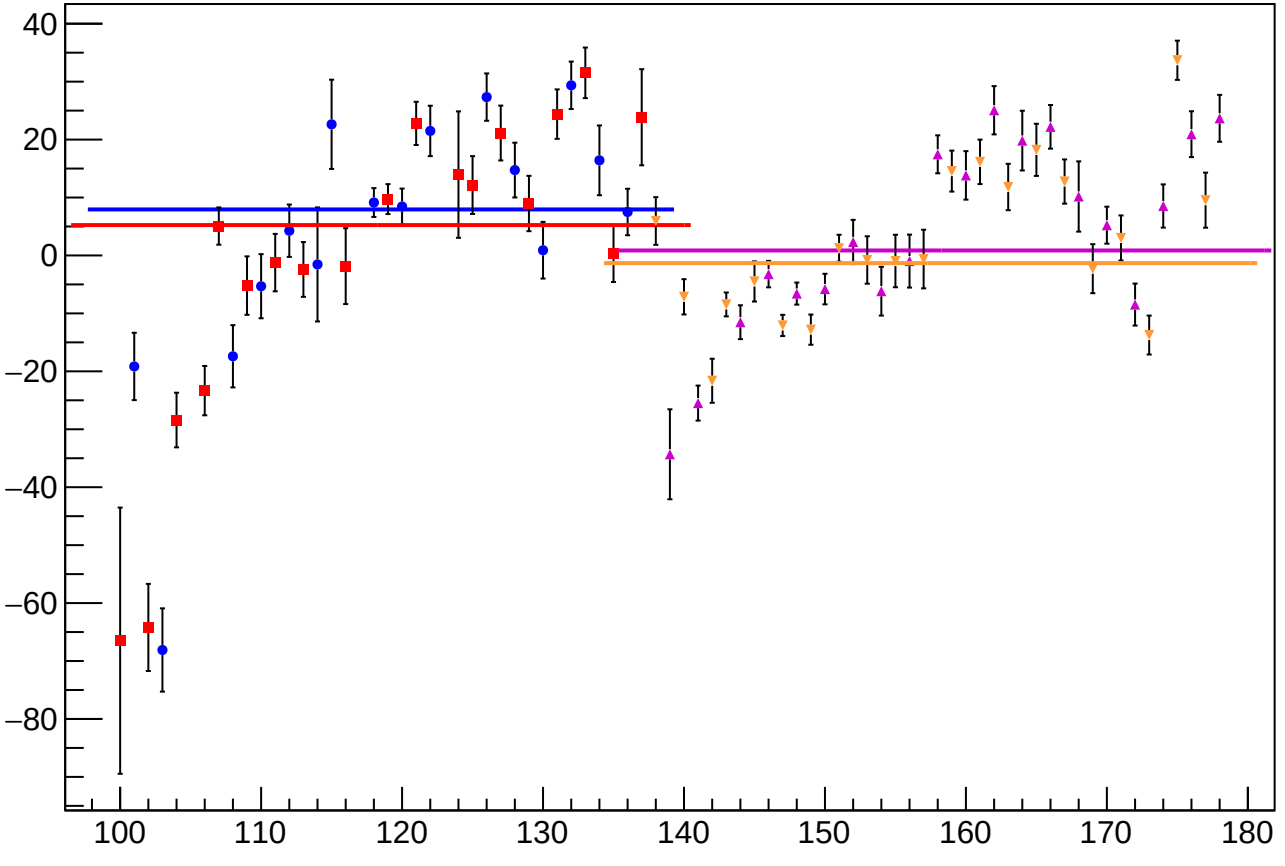
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 198.159+/-0.762 χ^2/NDF:2660.4/35

Out: 184.060+/-0.718 χ^2/NDF:4566.7/39

All: 190.699+/-0.523 χ^2/NDF: 7408.5/75

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: 0.861+/-0.758 χ^2/NDF:329.7/19

Left: -0.307+/-0.517 χ^2/NDF: 648.9/40

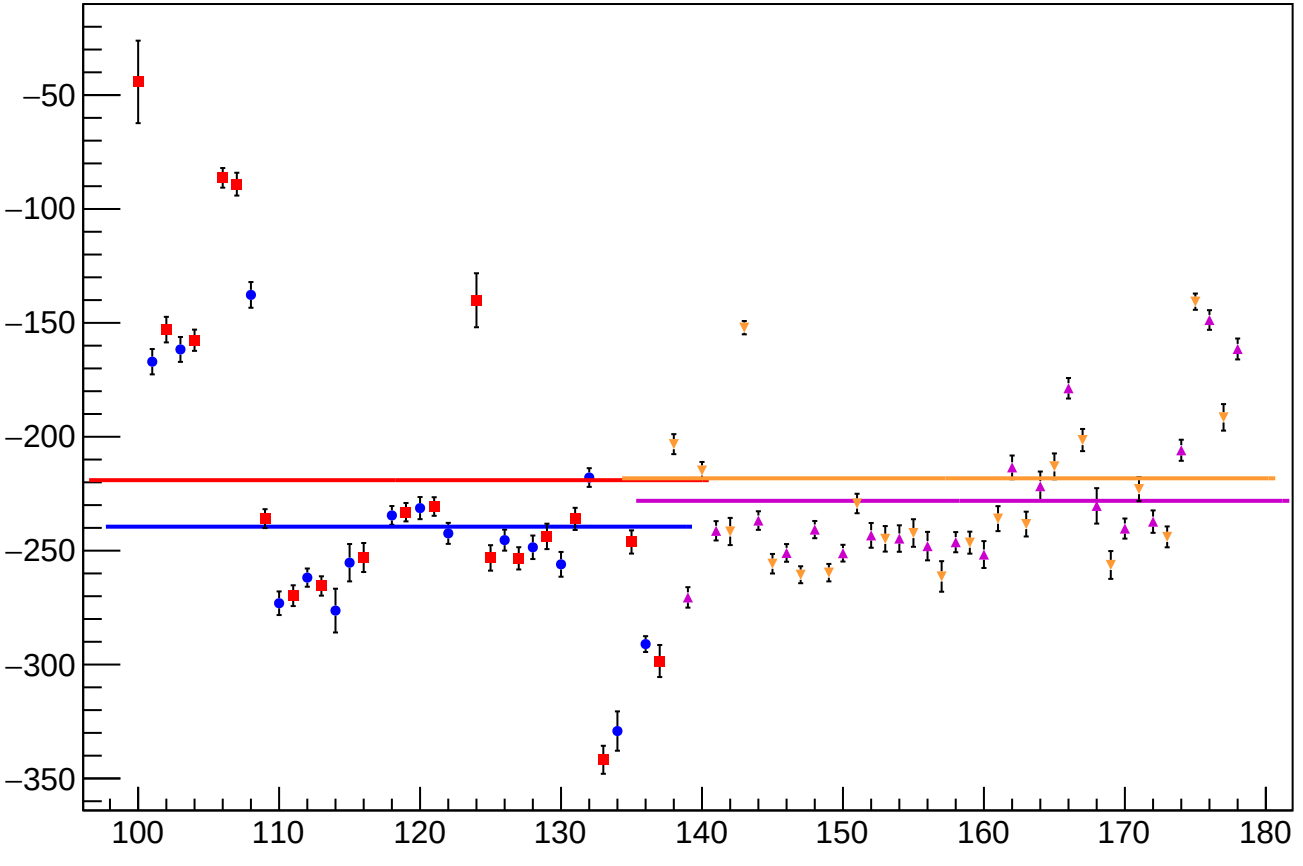
Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 3.102+/-0.626 χ^2/NDF:590.3/35

Out: 0.692+/-0.588 χ^2/NDF:644.2/39

All: 1.822+/-0.429 χ^2/NDF: 1242.4/75

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -218.238+/-1.000 χ^2/NDF:1584.4/20

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -228.124+/-1.047 χ^2/NDF:960.3/19

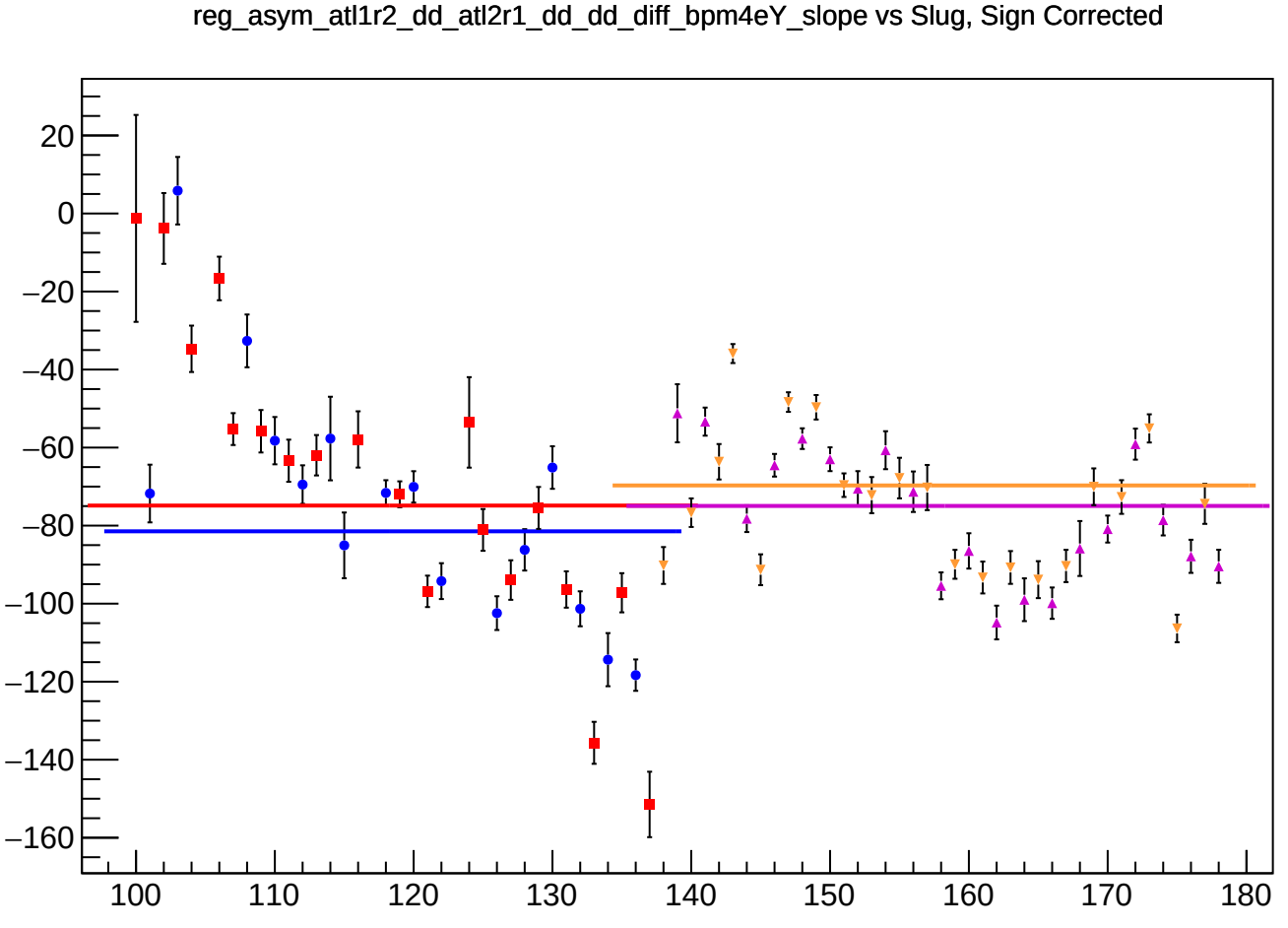
Left: -222.953+/-0.723 χ^2/NDF: 2591.3/40

Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

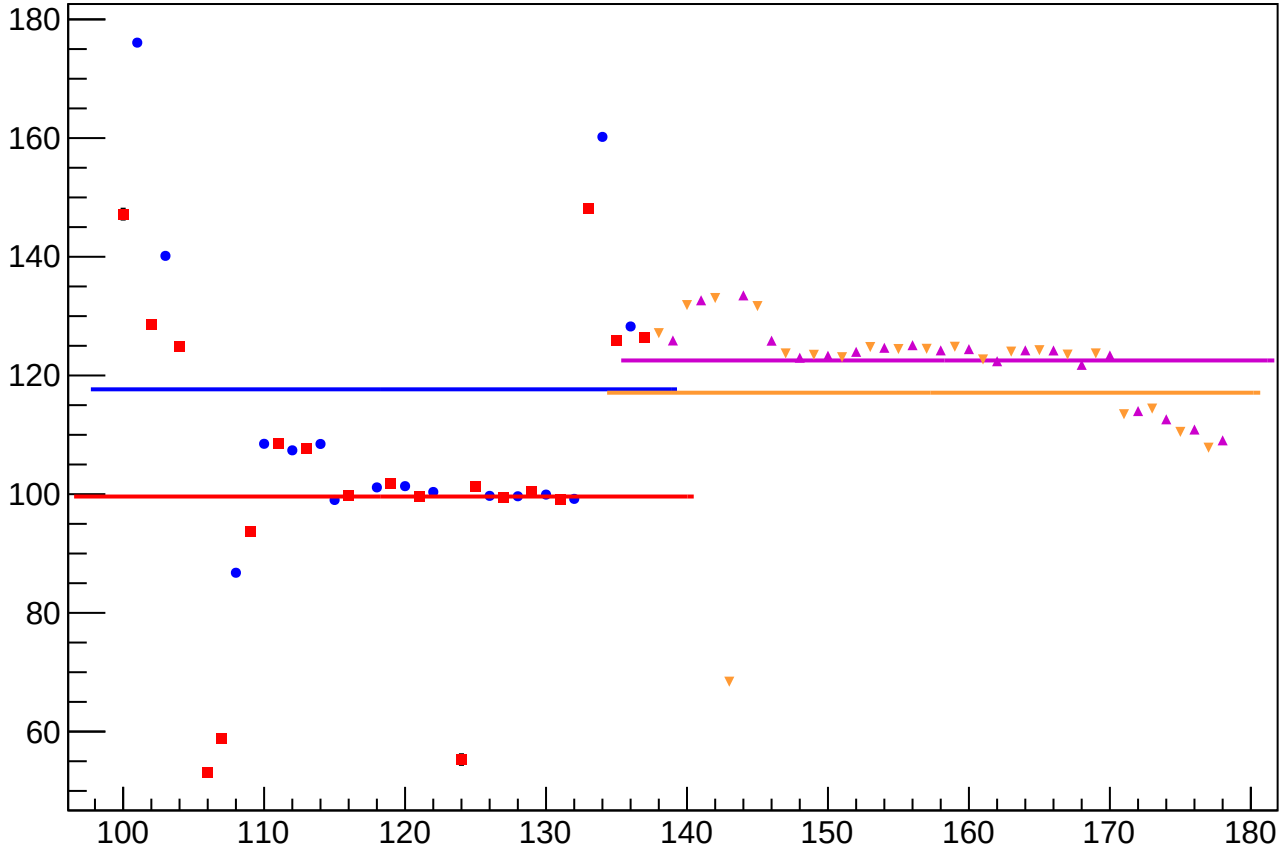
In: -232.824+/-0.802 χ^2/NDF:2171.1/35

Out: -218.580+/-0.762 χ^2/NDF:4634.0/39

All: -225.341+/-0.552 χ^2/NDF: 6971.0/75


reg_asym_atl1r2_dd_atl2r1_dd_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: -74.956+/-0.876 χ²/NDF:319.9/19
Left: -72.172+/-0.601 χ²/NDF: 963.4/40
Right: -78.013+/-0.889 χ²/NDF: 956.9/34
In: -77.016+/-0.724 χ²/NDF:703.9/35
Out: -71.303+/-0.685 χ²/NDF:1213.1/39
All: -74.002+/-0.498 χ²/NDF: 1949.9/75

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: 122.532+/-0.040 χ^2/NDF:23266.9/19

Left: 119.739+/-0.028 χ^2/NDF: 235764.0/40

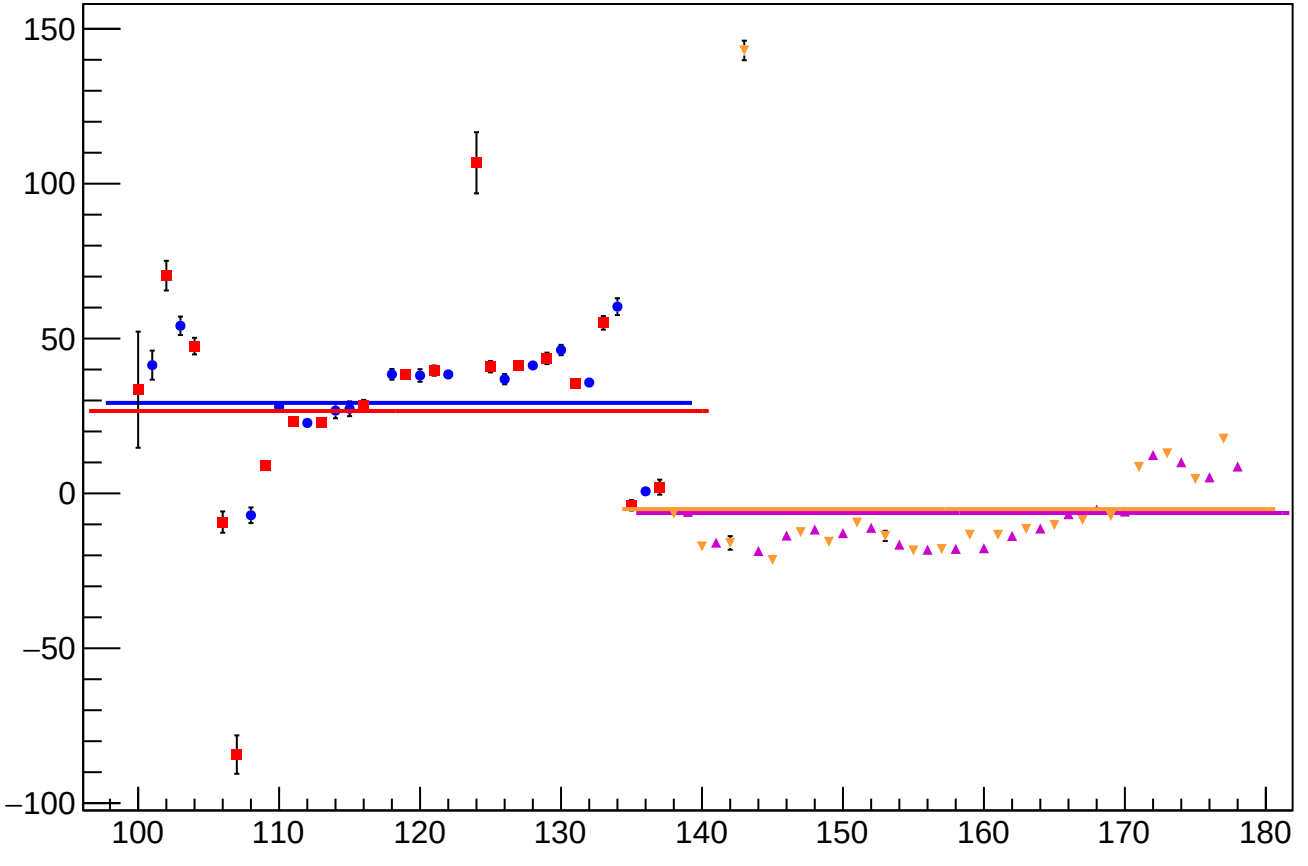
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 121.522+/-0.036 χ^2/NDF:121728.5/35

Out: 112.993+/-0.034 χ^2/NDF:416654.8/39

All: 117.064+/-0.025 χ^2/NDF: 568318.9/75

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: -6.315+/-0.304 χ^2/NDF:1136.0/19

Left: -5.706+/-0.217 χ^2/NDF: 4658.7/40

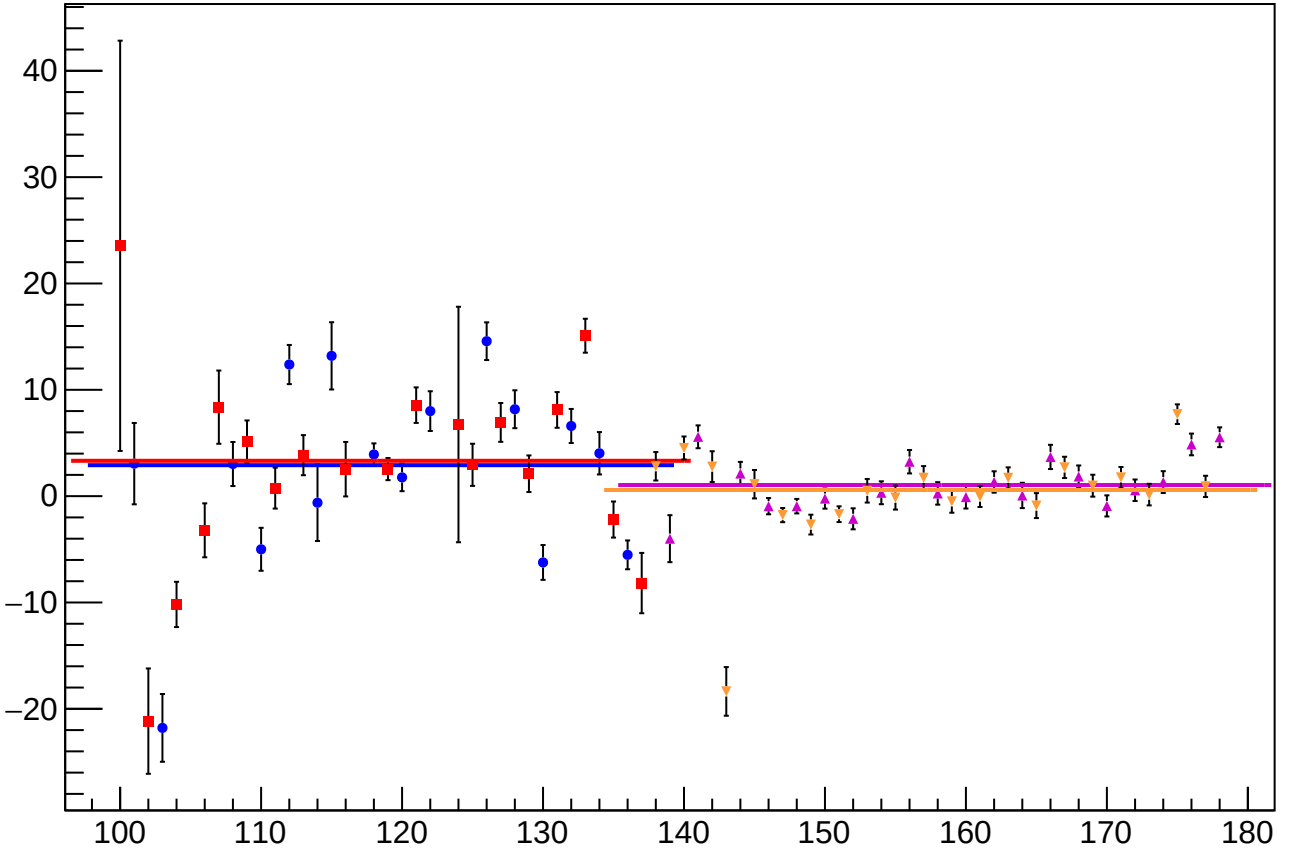
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 5.724+/-0.247 χ^2/NDF:7120.1/35

Out: 6.304+/-0.248 χ^2/NDF:9186.7/39

All: 6.013+/-0.175 χ^2/NDF: 16309.5/75

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: 0.579+/-0.223 χ^2/NDF:193.2/20

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 1.045+/-0.225 χ^2/NDF:105.8/19

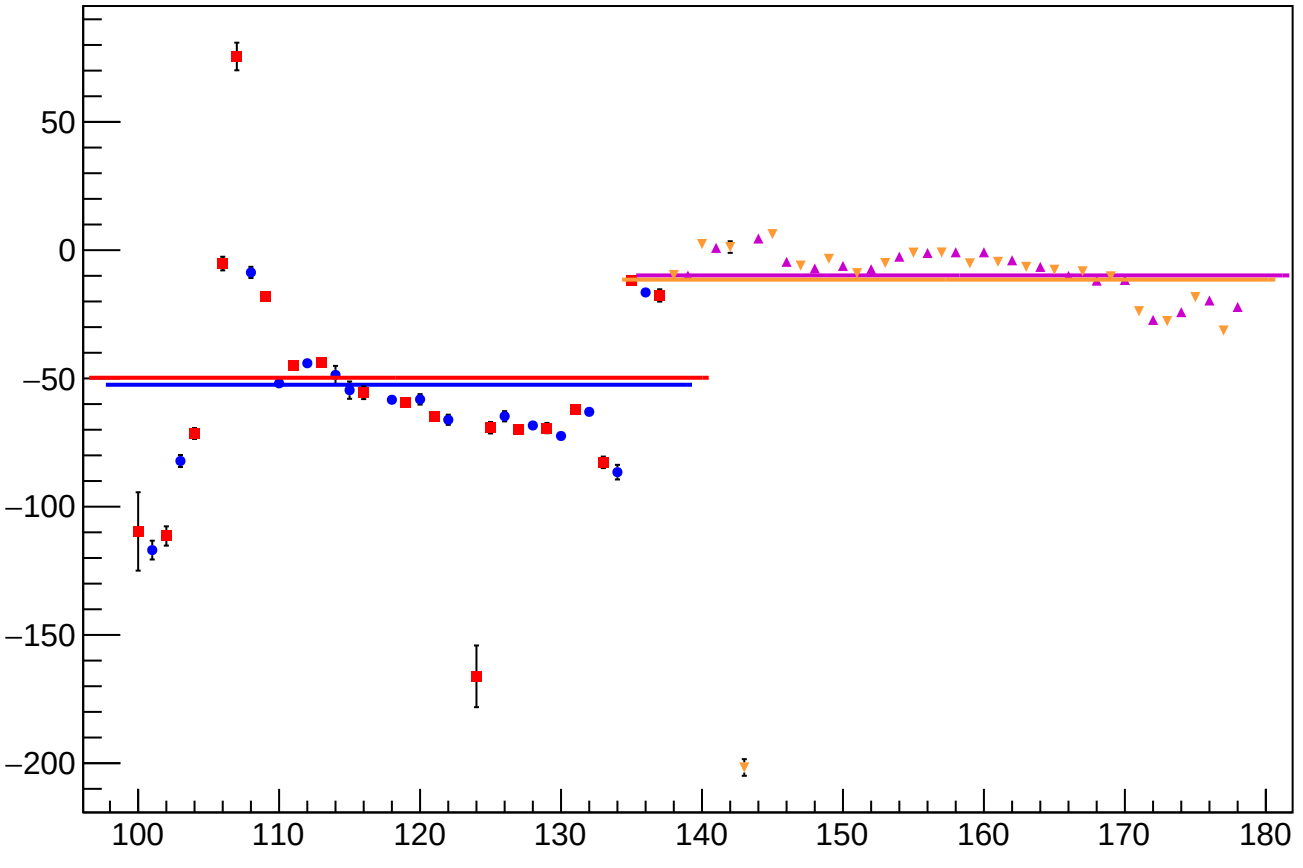
Left: 0.810+/-0.158 χ^2/NDF: 301.1/40

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 1.428+/-0.200 χ^2/NDF:369.9/35

Out: 1.114+/-0.200 χ^2/NDF:404.5/39

All: 1.271+/-0.142 χ^2/NDF: 775.6/75



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: -9.843+/-0.299 χ^2/NDF:847.2/19

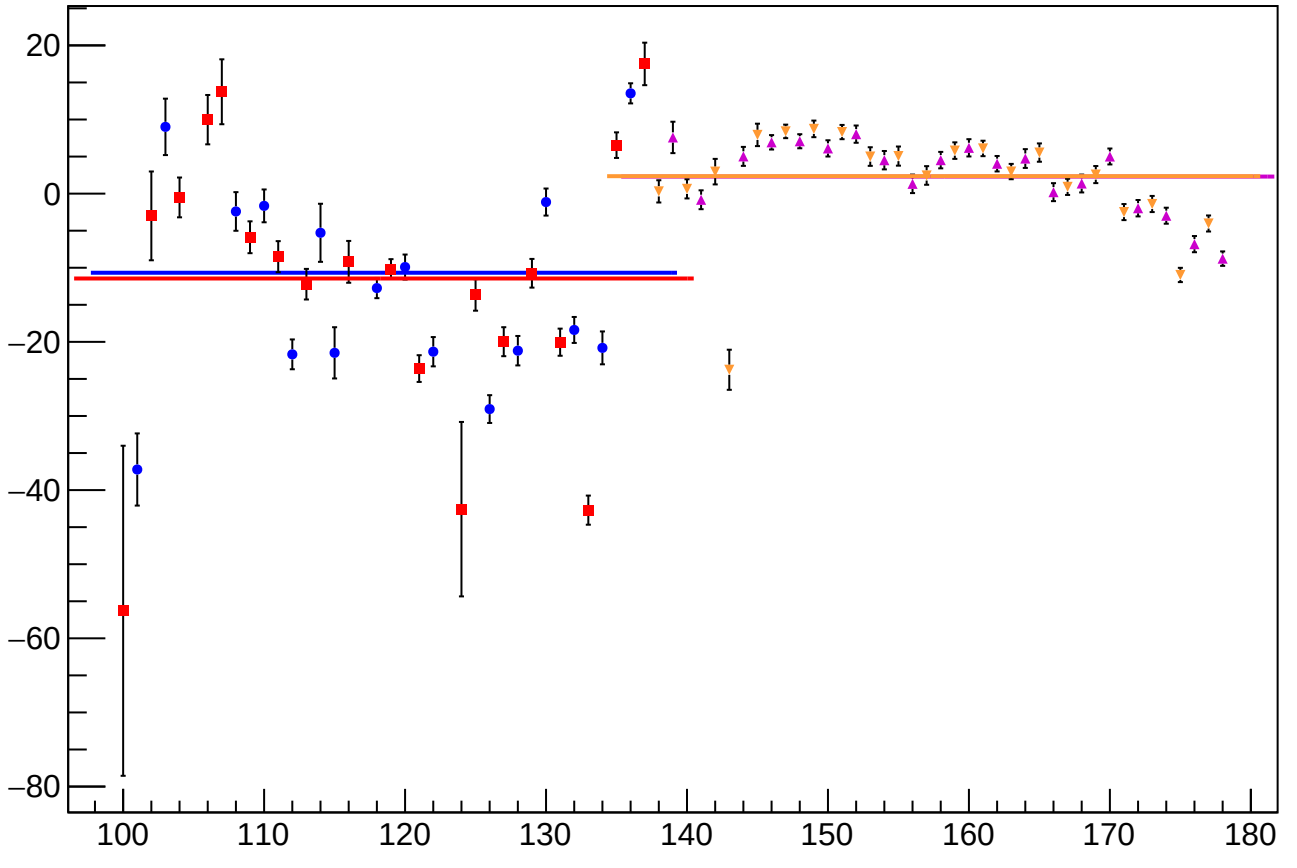
Left: -10.652+/-0.213 χ^2/NDF: 5351.2/40

Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -21.485+/-0.255 χ^2/NDF:8727.6/35

Out: -22.025+/-0.259 χ^2/NDF:11840.2/39

All: -21.751+/-0.182 χ^2/NDF: 20570.0/75



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: 2.302+/-0.255 χ^2/NDF:373.5/19

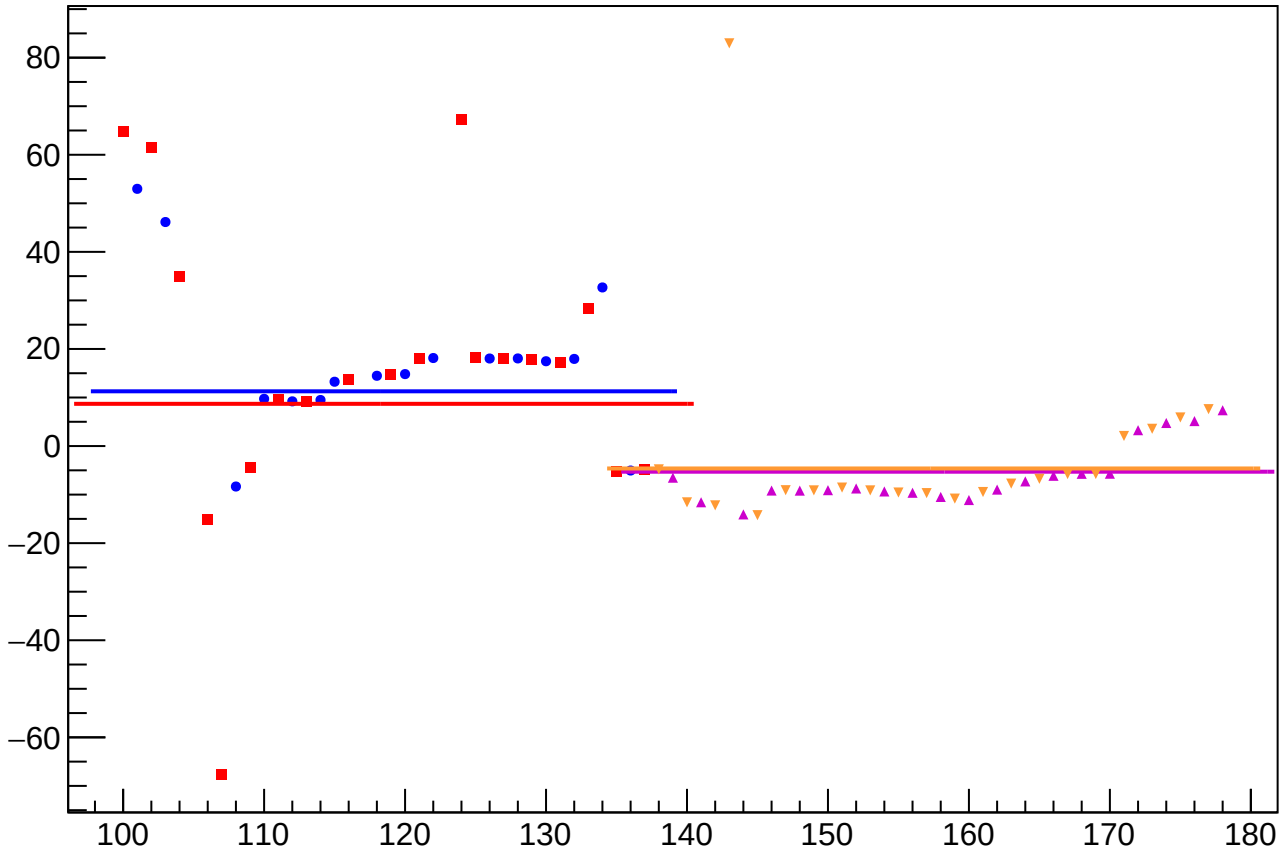
Left: 2.328+/-0.180 χ^2/NDF: 897.1/40

Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: -0.333+/-0.228 χ^2/NDF:1565.2/35

Out: -0.347+/-0.228 χ^2/NDF:1764.9/39

All: -0.340+/-0.161 χ^2/NDF: 3330.1/75



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: -5.284+/-0.011 χ^2/NDF:306856.2/19

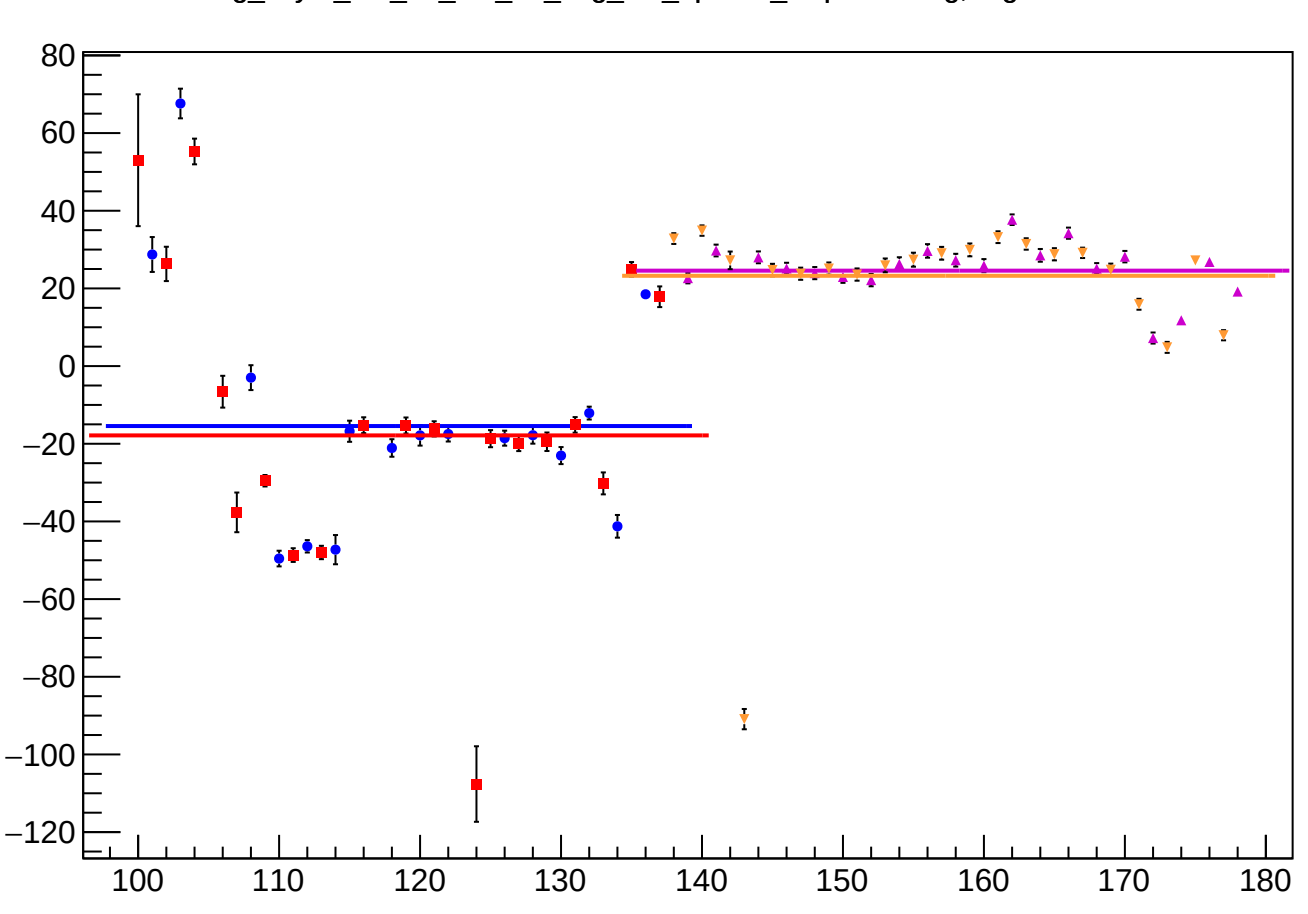
Left: -4.957+/-0.008 χ^2/NDF: 1033855.9/40

Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -3.242+/-0.011 χ^2/NDF:924758.6/35

Out: -3.057+/-0.011 χ^2/NDF:1319945.3/39

All: -3.152+/-0.008 χ^2/NDF: 2244855.3/75



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: 24.575+/-0.324 χ^2/NDF:468.5/19

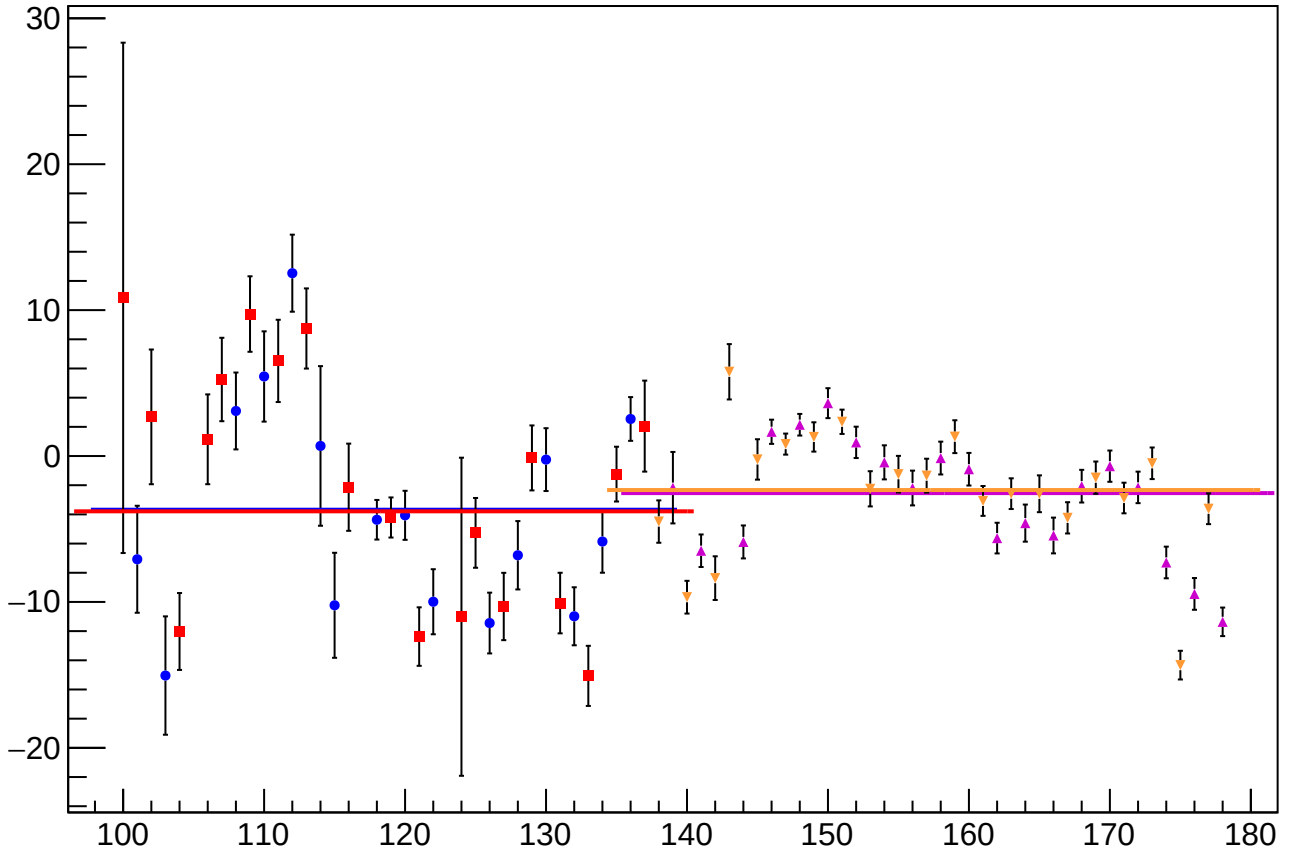
Left: 23.926+/-0.232 χ^2/NDF: 3005.6/40

Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: 13.932+/-0.278 χ^2/NDF:6637.1/35

Out: 11.729+/-0.280 χ^2/NDF:8987.8/39

All: 12.840+/-0.197 χ^2/NDF: 15656.1/75



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: -2.540+/-0.240 χ^2/NDF:304.6/19

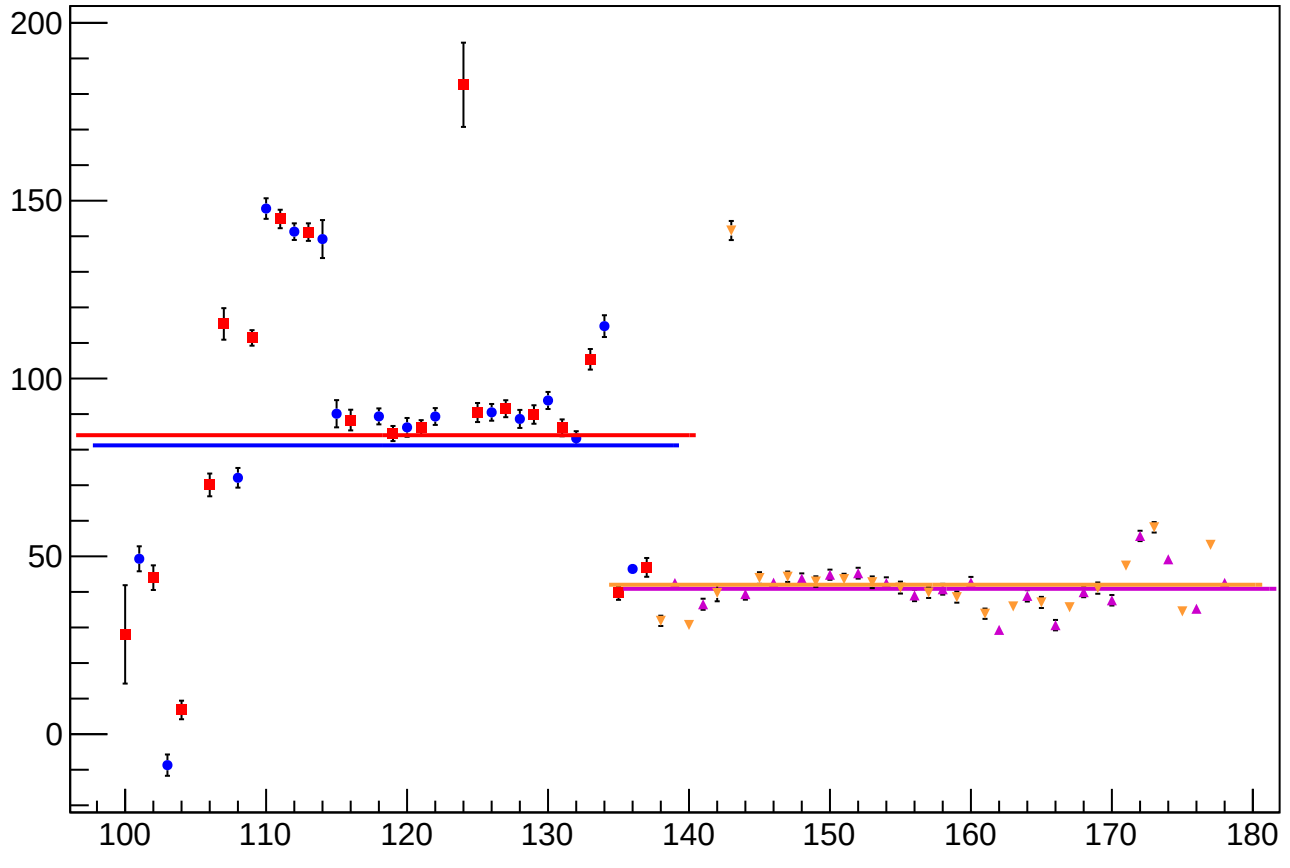
Left: -2.435+/-0.169 χ^2/NDF: 620.7/40

Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -2.721+/-0.220 χ^2/NDF:432.2/35

Out: -2.553+/-0.220 χ^2/NDF:482.6/39

All: -2.637+/-0.156 χ^2/NDF: 915.1/75



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: 40.873+/-0.320 χ^2/NDF:336.2/19

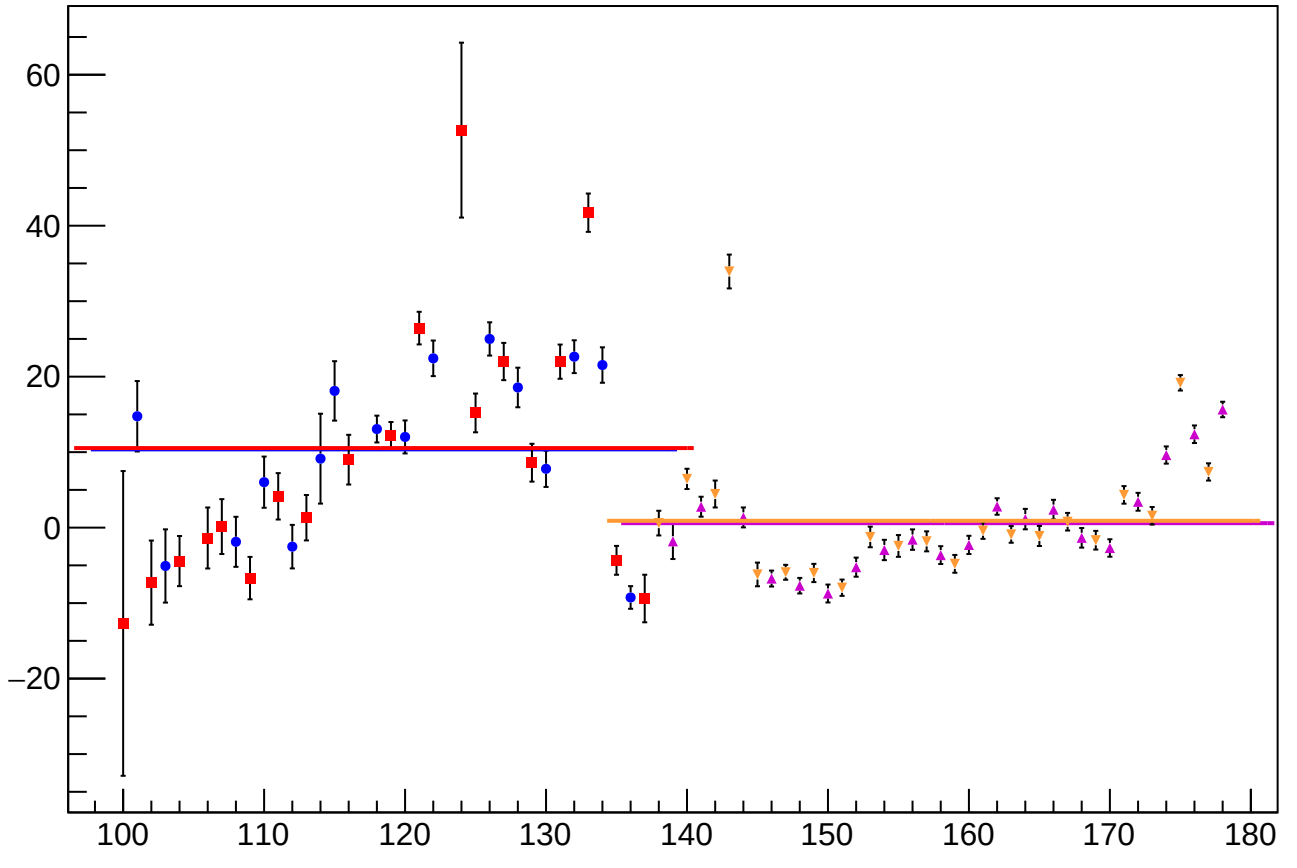
Left: 41.435+/-0.228 χ^2/NDF: 2191.2/40

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 49.626+/-0.283 χ^2/NDF:7022.4/35

Out: 51.172+/-0.288 χ^2/NDF:8696.9/39

All: 50.386+/-0.202 χ^2/NDF: 15734.0/75



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: 0.591+/-0.272 χ^2/NDF:630.7/19

Left: 0.748+/-0.192 χ^2/NDF: 1444.0/40

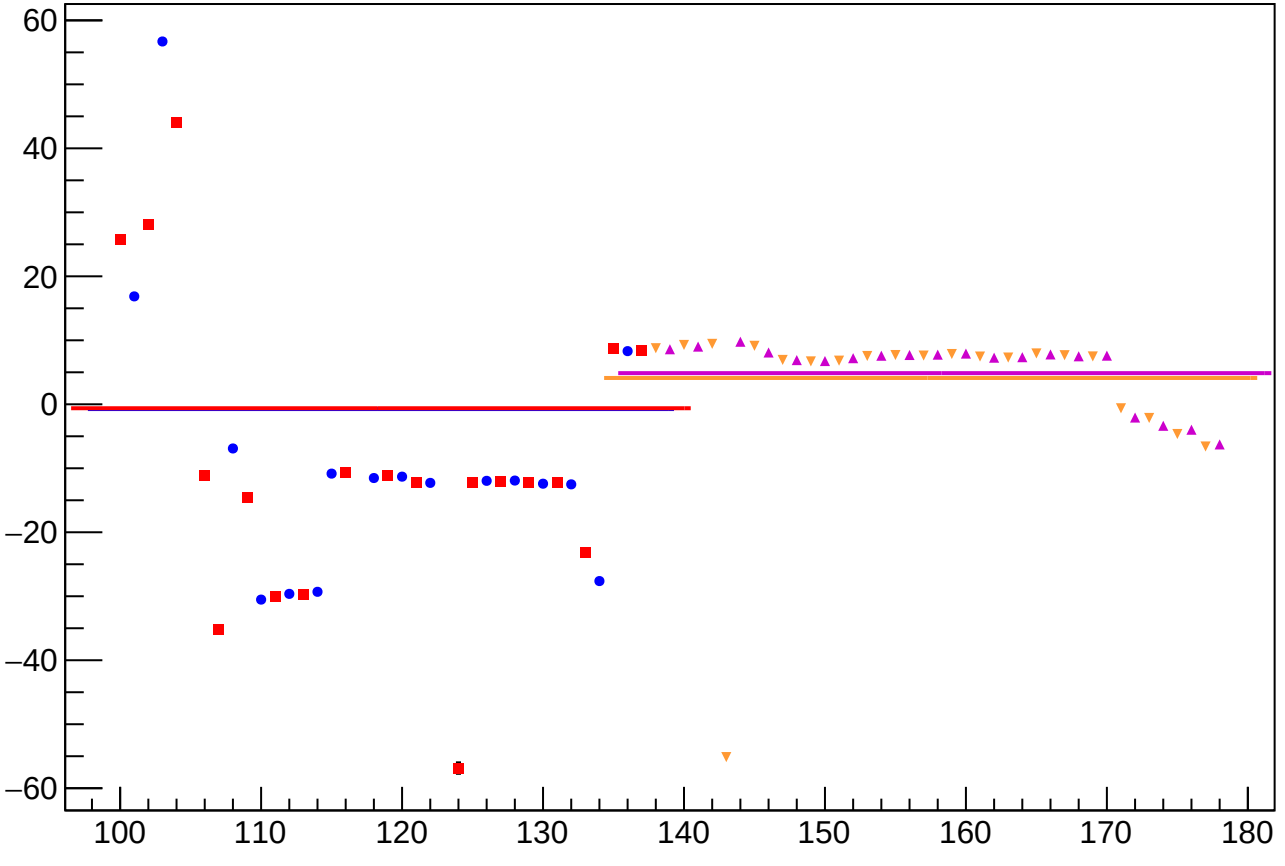
Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 2.145+/-0.250 χ^2/NDF:1195.2/35

Out: 2.376+/-0.250 χ^2/NDF:1475.2/39

All: 2.260+/-0.177 χ^2/NDF: 2670.9/75

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: 4.867+/-0.012 χ^2/NDF:181365.4/19

Left: 4.497+/-0.009 χ^2/NDF: 642059.7/40

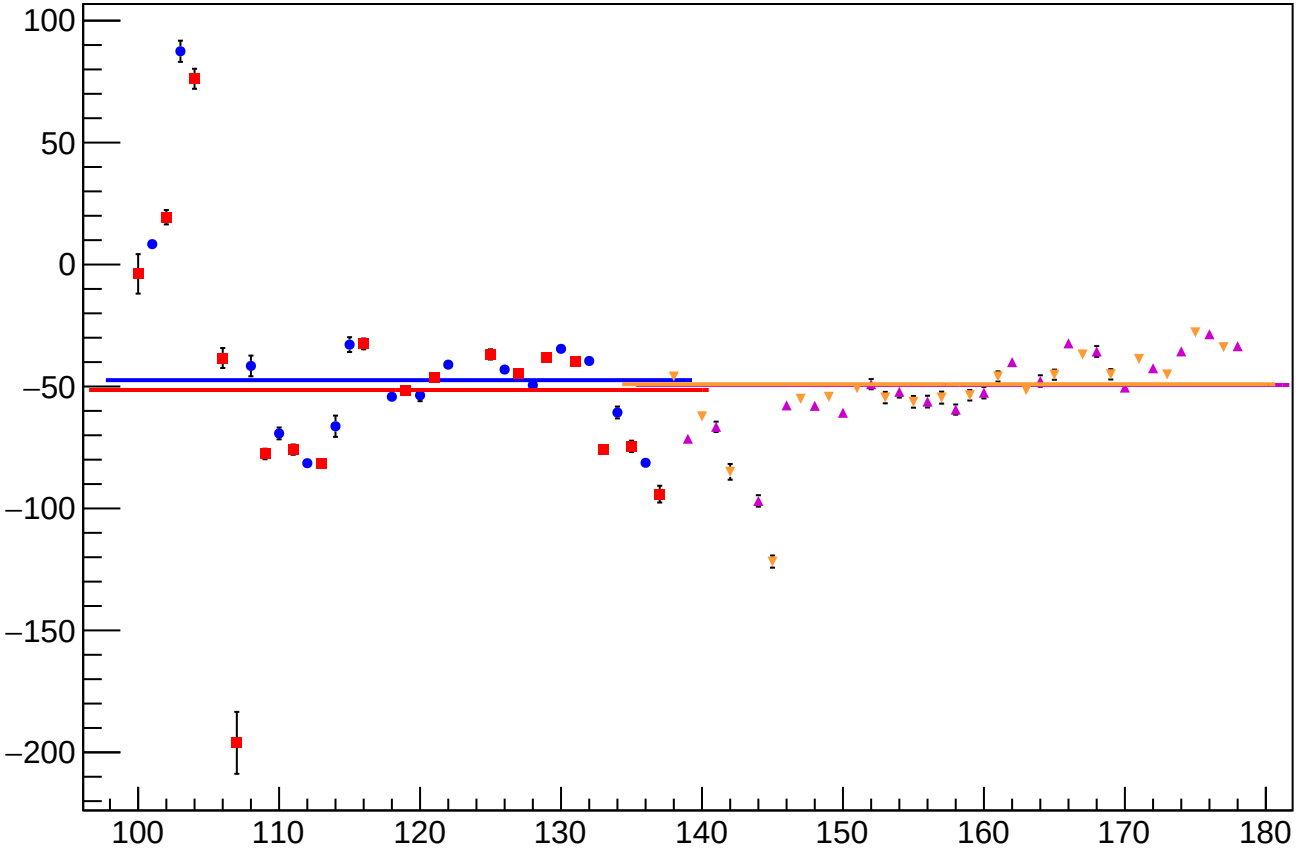
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 4.302+/-0.011 χ^2/NDF:571360.8/35

Out: 3.655+/-0.012 χ^2/NDF:789757.2/39

All: 3.985+/-0.008 χ^2/NDF: 1362700.3/75

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -47.398+/-0.535 χ^2/NDF: 2769.0/15

Left Out: -49.075+/-0.444 χ^2/NDF:1468.2/19

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

Left In: -49.381+/-0.435 χ^2/NDF:1243.9/19

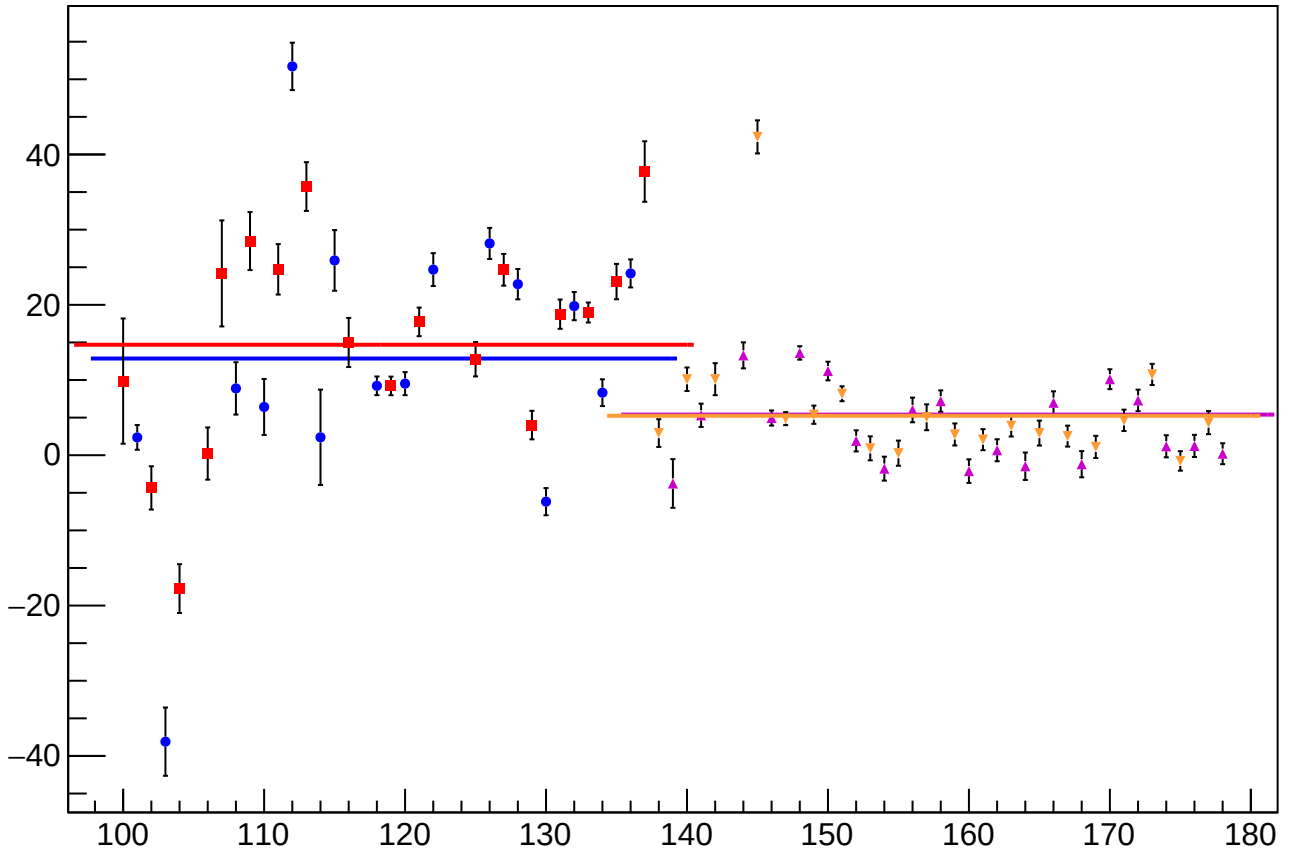
Left: -49.231+/-0.311 χ^2/NDF: 2712.3/39

Right: -49.383+/-0.382 χ^2/NDF: 5669.8/33

In: -48.592+/-0.338 χ^2/NDF:4021.2/35

Out: -50.020+/-0.344 χ^2/NDF:4352.2/37

All: -49.292+/-0.241 χ^2/NDF: 8382.2/73



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: 5.401+/-0.317 χ^2/NDF:270.7/19

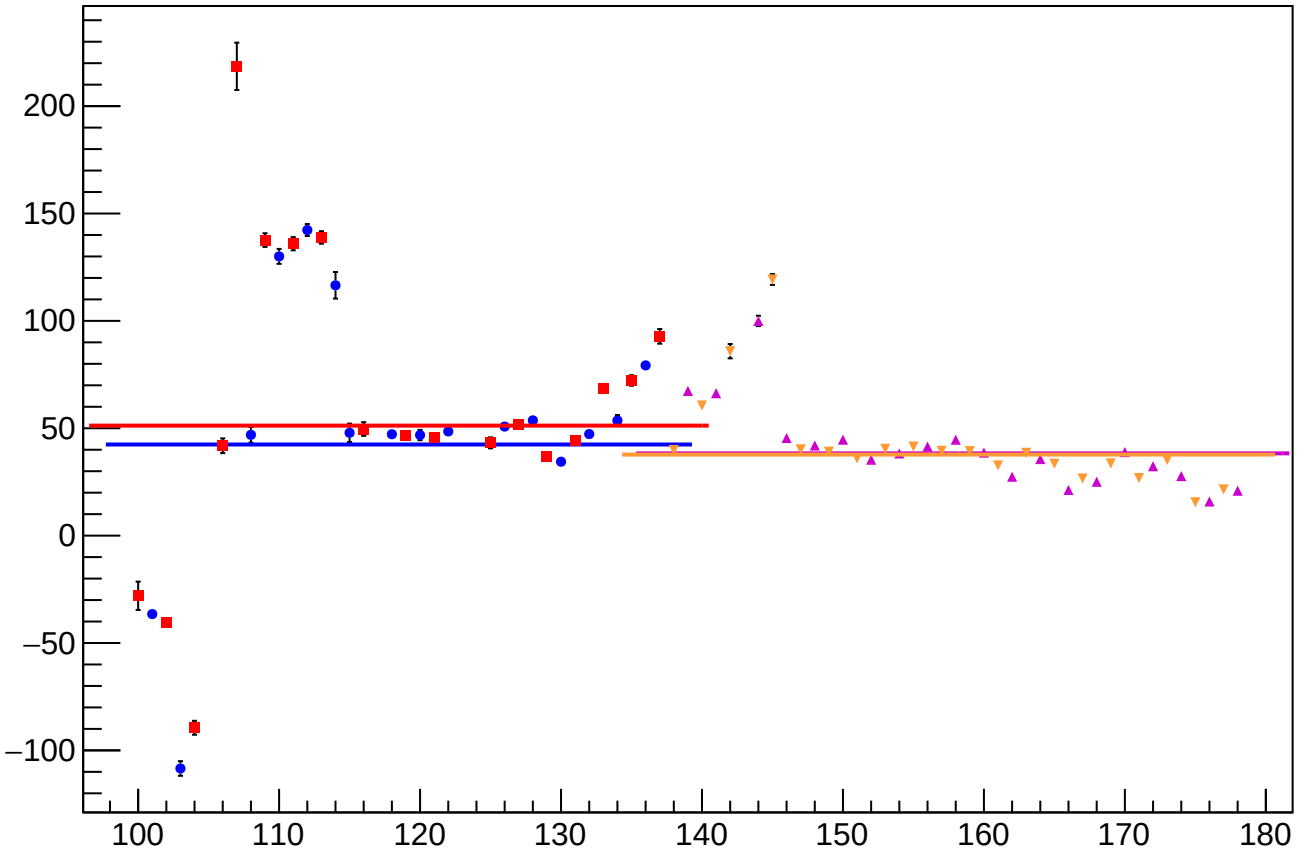
Left: 5.324+/-0.224 χ^2/NDF: 656.5/39

Right: 13.731+/-0.375 χ^2/NDF: 995.5/33

In: 7.430+/-0.271 χ^2/NDF:1046.7/35

Out: 7.619+/-0.273 χ^2/NDF:975.3/37

All: 7.524+/-0.192 χ^2/NDF: 2022.2/73



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: 38.316+/-0.428 χ^2/NDF:1631.8/19

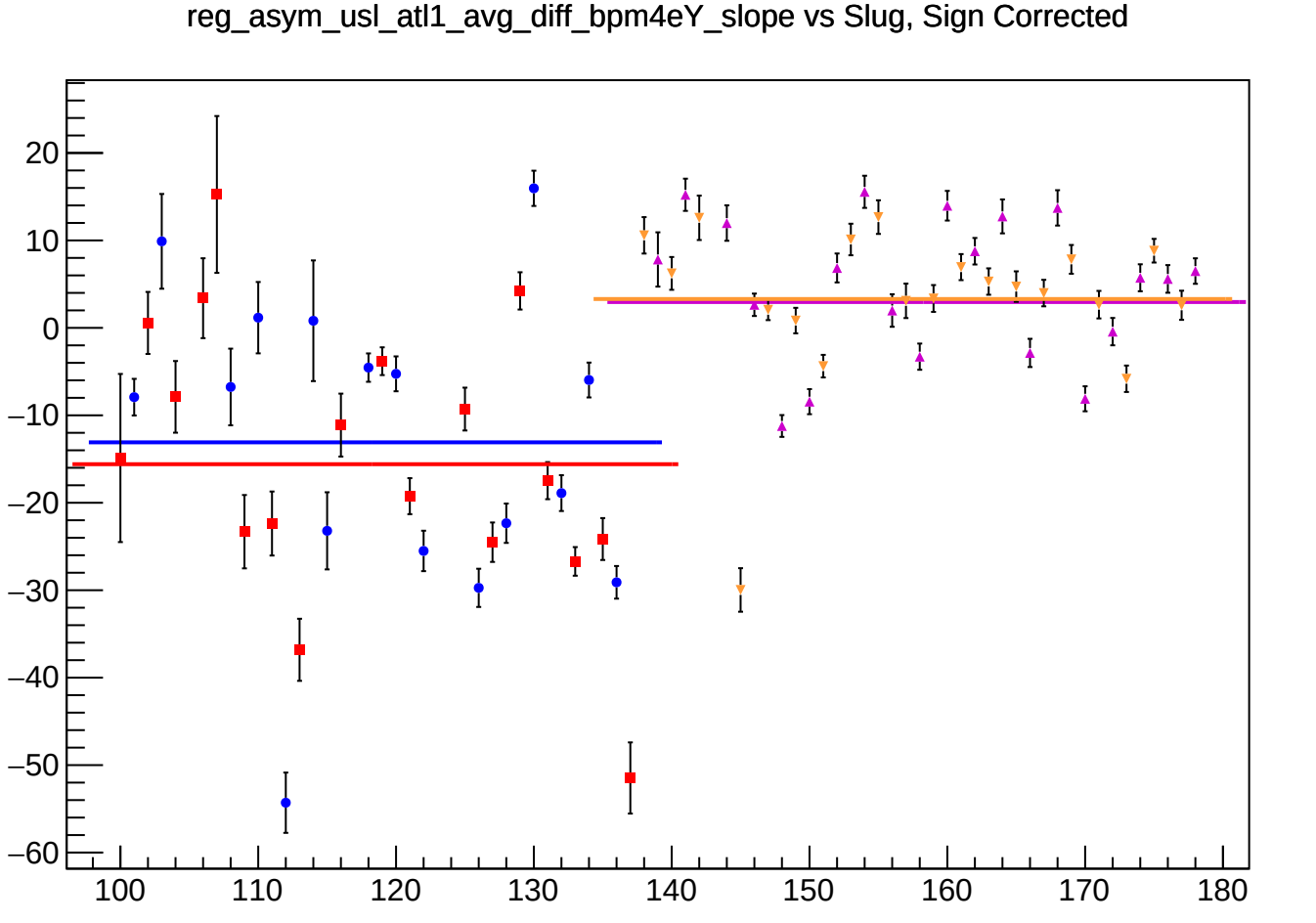
Left: 38.042+/-0.305 χ^2/NDF: 3468.1/39

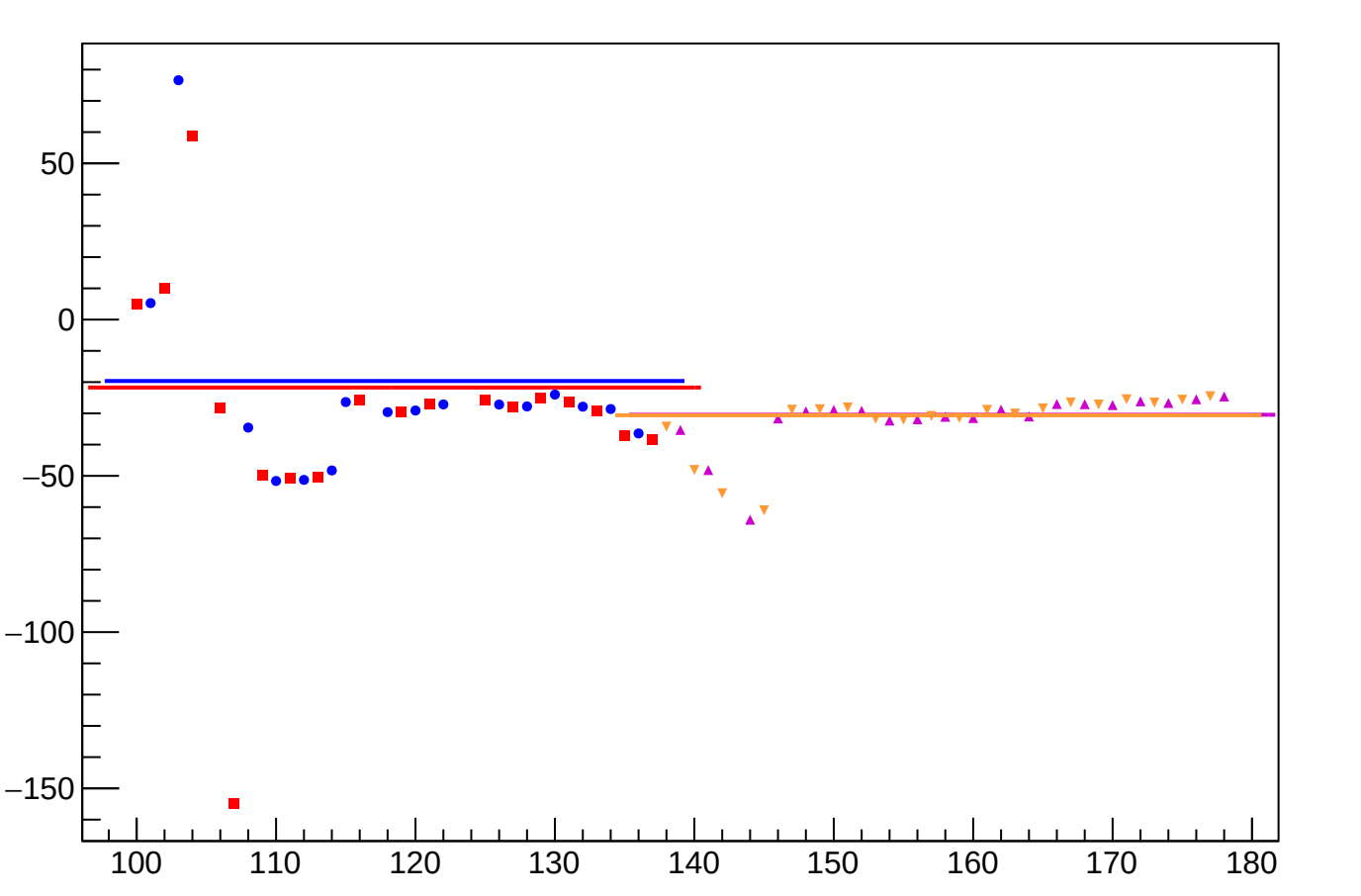
Right: 46.608+/-0.424 χ^2/NDF: 13887.6/33

In: 39.753+/-0.345 χ^2/NDF:8833.1/35

Out: 42.265+/-0.356 χ^2/NDF:8766.1/37

All: 40.971+/-0.248 χ^2/NDF: 17624.9/73


reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
20
10
0
−10
−20
−30
−40
−50
−60
100
110
120
130
140
150
160
170
180
Right In: -13.090+/-0.600 χ²/NDF: 639.9/15
Left Out: 3.301+/-0.362 χ²/NDF:353.6/19
Right Out: -15.589+/-0.627 χ²/NDF: 401.8/17
Left In: 2.957+/-0.362 χ²/NDF:529.4/19
Left: 3.129+/-0.256 χ²/NDF: 883.4/39
Right: -14.285+/-0.433 χ²/NDF: 1050.0/33
In: -1.324+/-0.310 χ²/NDF:1694.2/35
Out: -1.416+/-0.313 χ²/NDF:1436.8/37
All: -1.370+/-0.220 χ²/NDF: 3131.1/73



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: -30.447+/-0.016 χ^2/NDF:171444.2/19

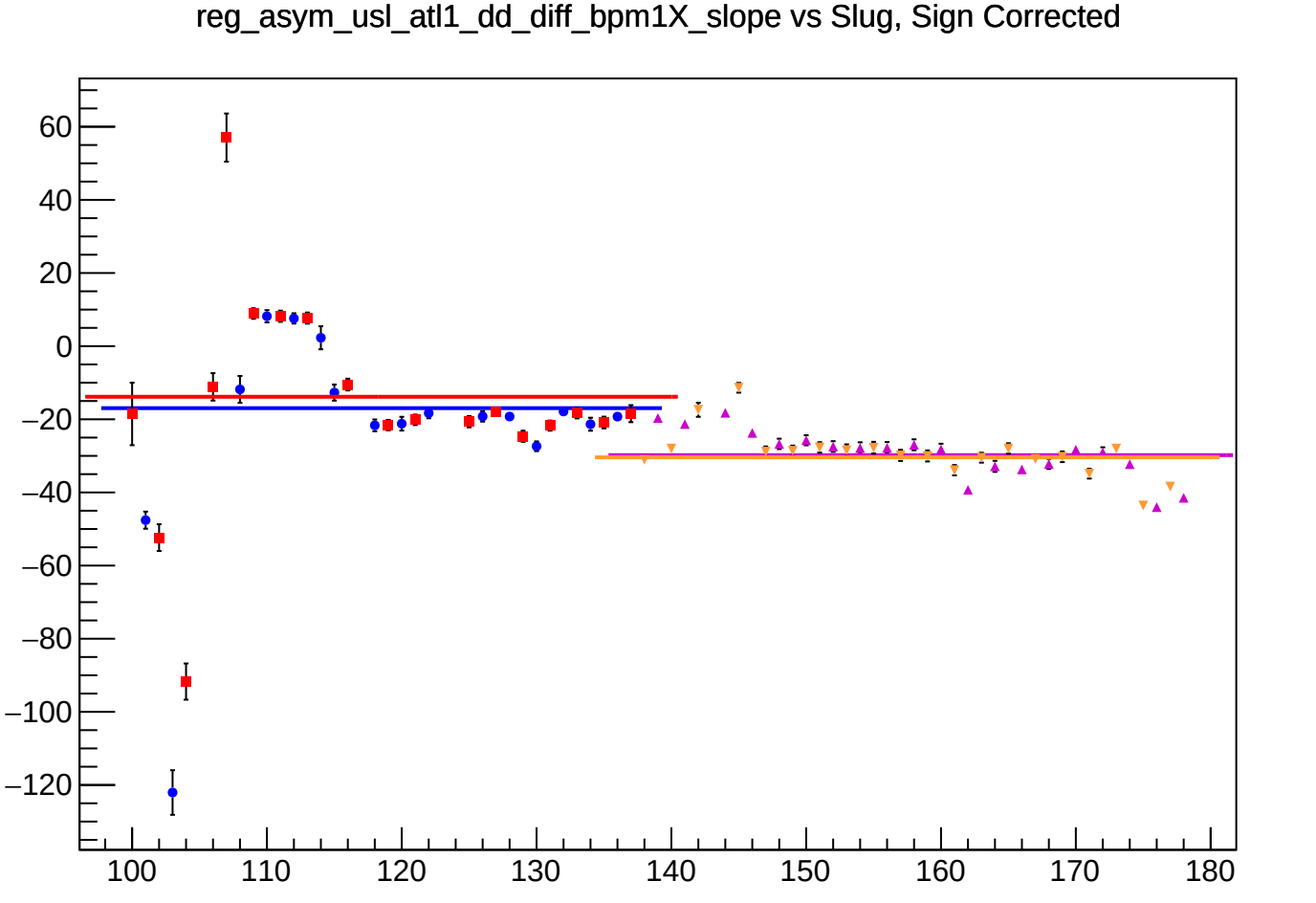
Left: -30.521+/-0.012 χ^2/NDF: 377584.8/39

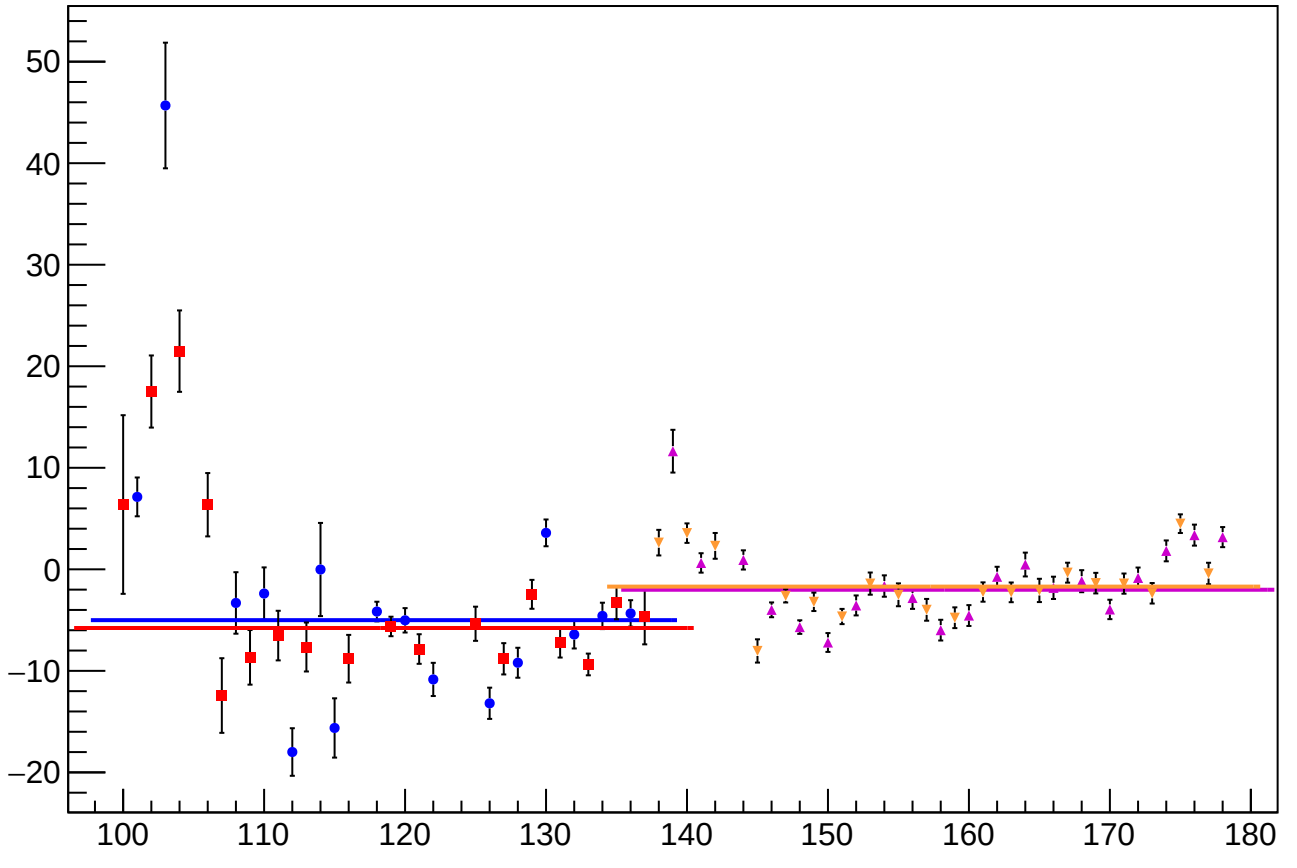
Right: -20.610+/-0.026 χ^2/NDF: 1195130.0/33

In: -28.652+/-0.015 χ^2/NDF:892990.9/35

Out: -29.249+/-0.015 χ^2/NDF:796853.6/37

All: -28.941+/-0.011 χ^2/NDF: 1690643.0/73


reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
170
180
Right In: -16.949+/-0.404 χ2/NDF: 1128.2/15
Left Out: -30.404+/-0.303 χ2/NDF:510.4/19
Right Out: -13.837+/-0.409 χ2/NDF: 1333.2/17
Left In: -29.801+/-0.297 χ2/NDF:589.3/19
Left: -30.096+/-0.212 χ2/NDF: 1101.7/39
Right: -15.414+/-0.287 χ2/NDF: 2490.7/33
In: -25.292+/-0.239 χ2/NDF:2374.8/35
Out: -24.530+/-0.244 χ2/NDF:2901.5/37
All: -24.918+/-0.171 χ2/NDF: 5281.3/73



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: -2.011+/-0.219 χ^2/NDF:233.3/19

Left: -1.857+/-0.155 χ^2/NDF: 401.3/39

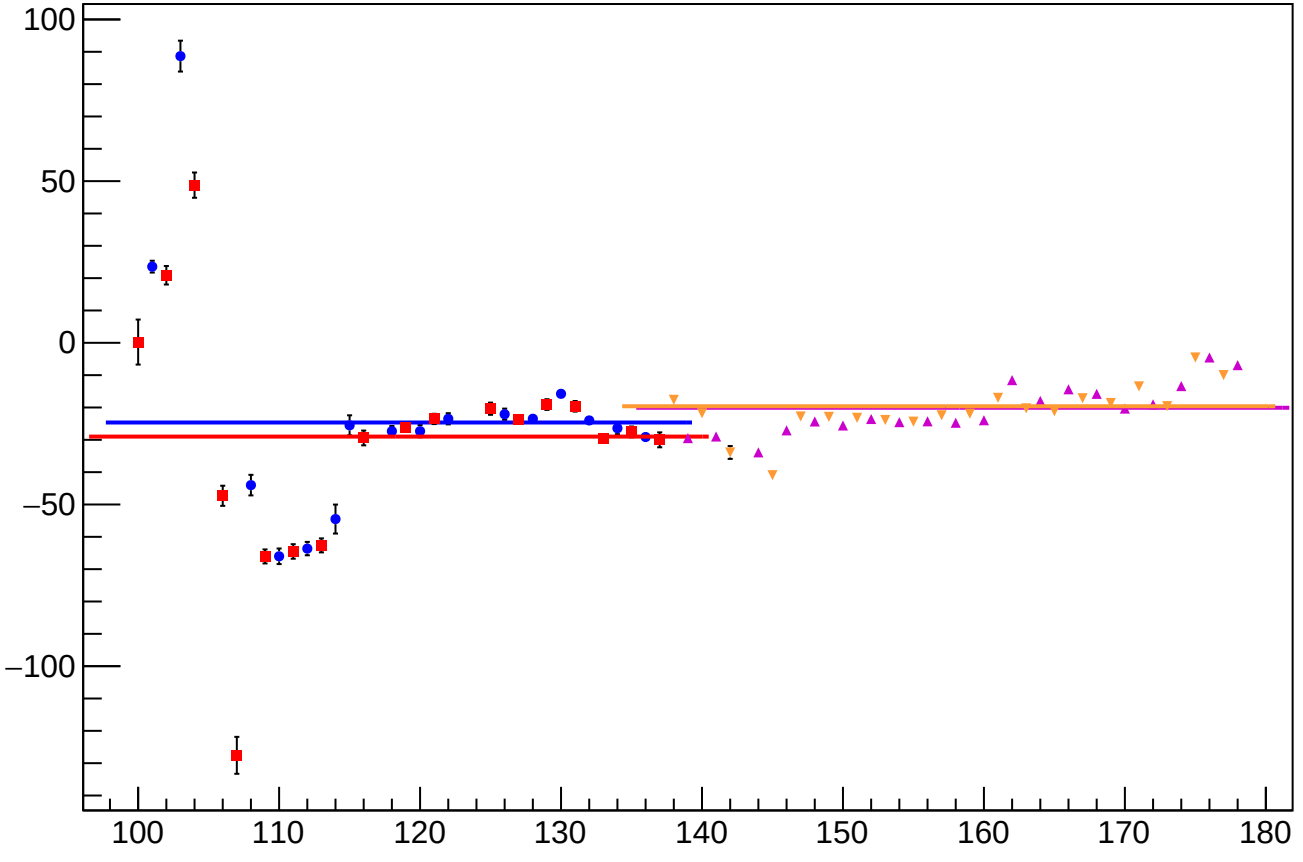
Right: -5.375+/-0.290 χ^2/NDF: 388.9/33

In: -2.699+/-0.192 χ^2/NDF:523.9/35

Out: -2.574+/-0.194 χ^2/NDF:380.6/37

All: -2.637+/-0.137 χ^2/NDF: 904.8/73

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -24.641+/-0.455 χ^2/NDF: 2051.8/15

Left Out: -19.617+/-0.298 χ^2/NDF:676.4/19

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

Left In: -20.082+/-0.292 χ^2/NDF:757.1/19

Left: -19.854+/-0.209 χ^2/NDF: 1434.8/39

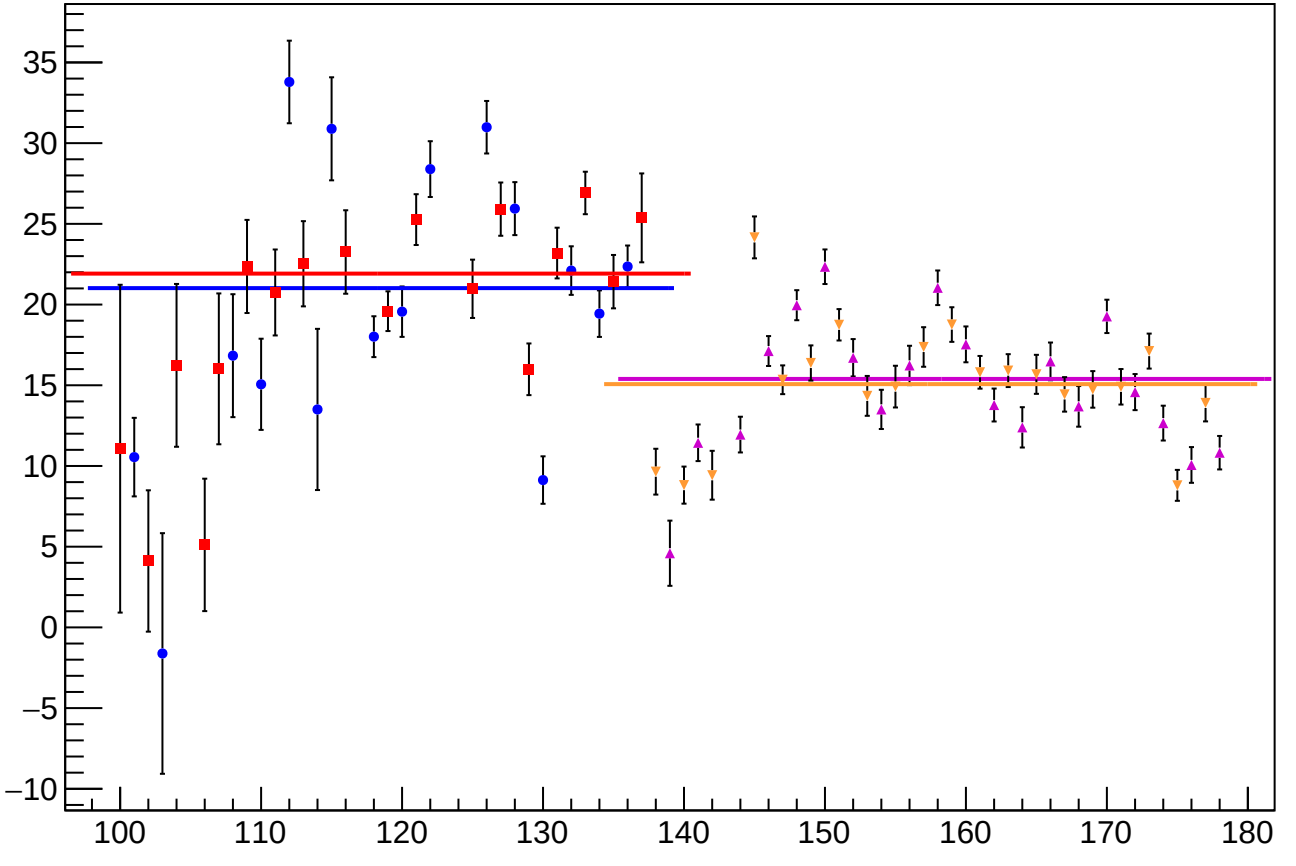
Right: -26.727+/-0.329 χ^2/NDF: 4048.0/33

In: -21.415+/-0.246 χ^2/NDF:2880.0/35

Out: -22.269+/-0.253 χ^2/NDF:2908.6/37

All: -21.831+/-0.176 χ^2/NDF: 5794.5/73

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 15.393+/-0.249 χ^2/NDF:230.4/19

Left: 15.232+/-0.176 χ^2/NDF: 419.4/39

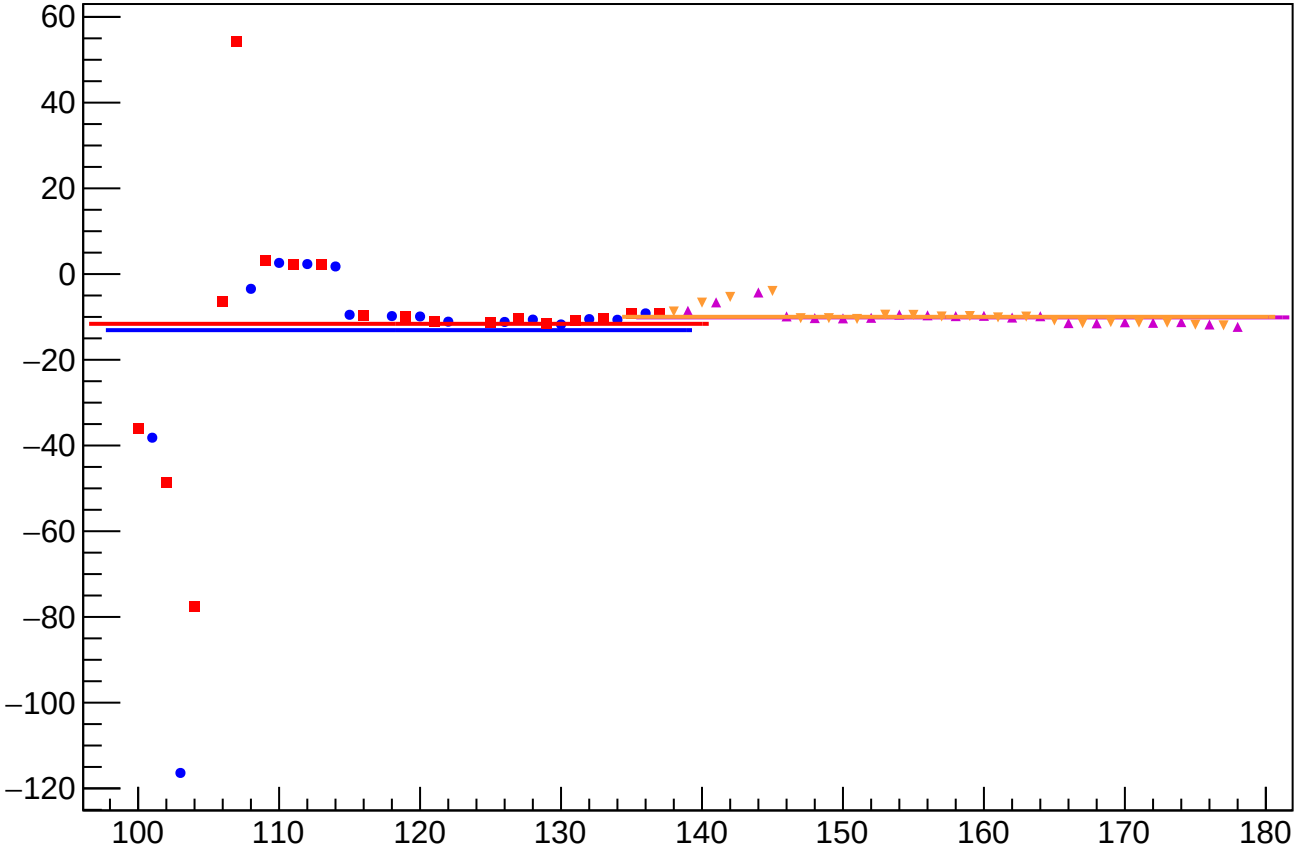
Right: 21.449+/-0.331 χ^2/NDF: 294.0/33

In: 16.677+/-0.219 χ^2/NDF:556.4/35

Out: 16.536+/-0.221 χ^2/NDF:431.7/37

All: 16.607+/-0.156 χ^2/NDF: 988.3/73

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: -10.109+/-0.011 χ^2/NDF:22387.2/19

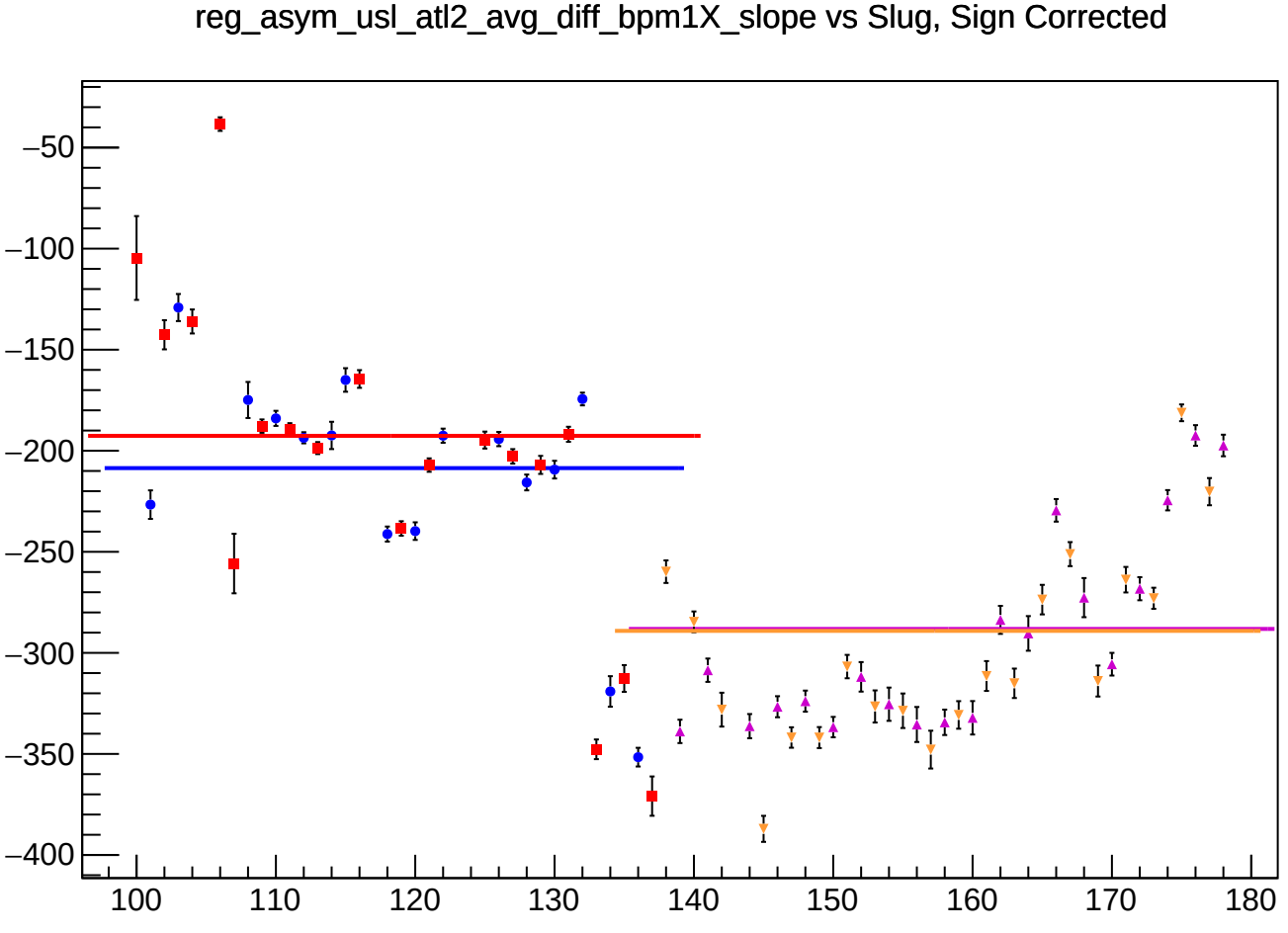
Left: -10.042+/-0.008 χ^2/NDF: 50409.8/39

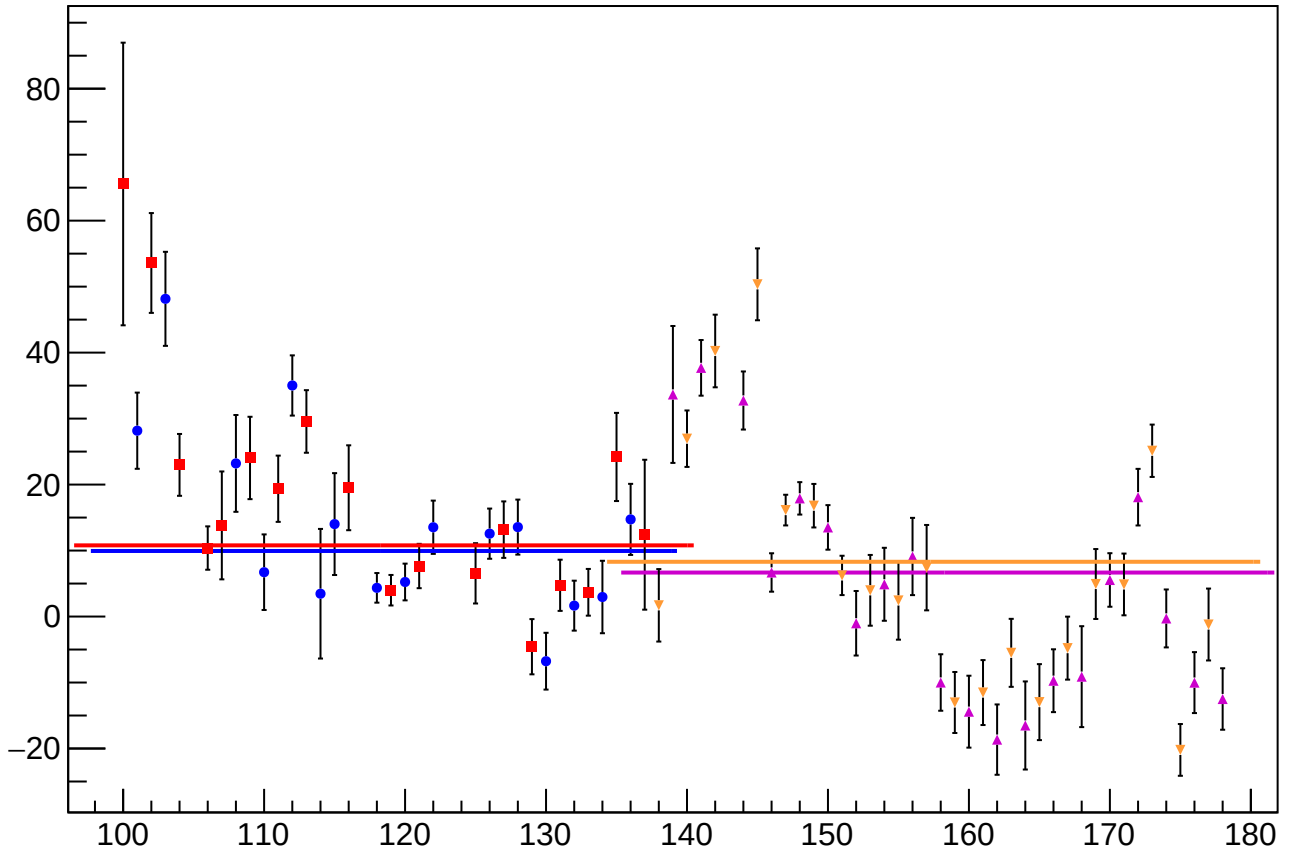
Right: -12.409+/-0.021 χ^2/NDF: 660362.1/33

In: -10.497+/-0.010 χ^2/NDF:376878.4/35

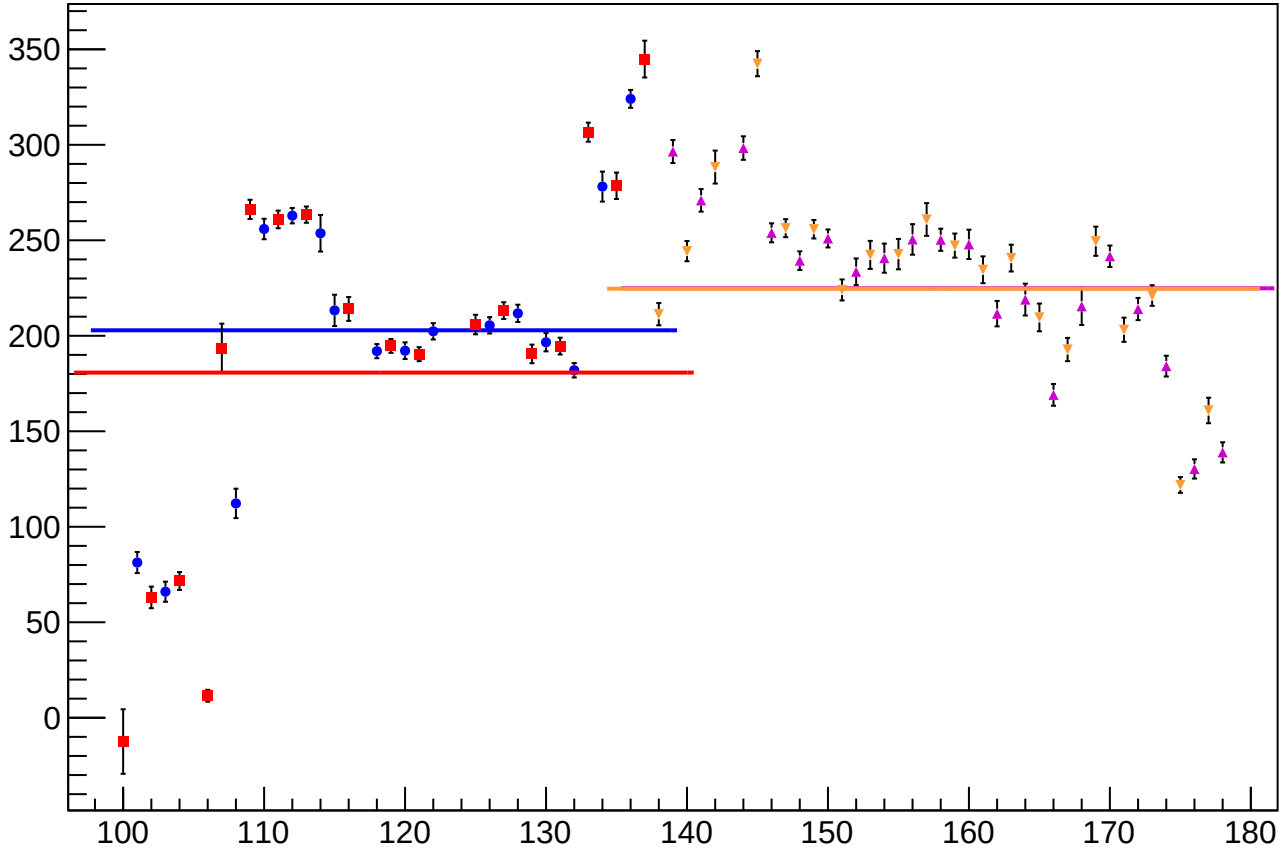
Out: -10.164+/-0.011 χ^2/NDF:344611.4/37

All: -10.336+/-0.007 χ^2/NDF: 721999.7/73


reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
−300
−350
−400
100
110
120
130
140
150
160
170
180
Right In: -208.586+/-1.067 χ2/NDF: 1751.1/15
Left Out: -289.113+/-1.387 χ2/NDF:1507.4/19
Right Out: -192.617+/-0.999 χ2/NDF: 4207.1/17
Left In: -288.151+/-1.360 χ2/NDF:1429.1/19
Left: -288.623+/-0.971 χ2/NDF: 2936.8/39
Right: -200.079+/-0.729 χ2/NDF: 6077.7/33
In: -238.877+/-0.839 χ2/NDF:5299.2/35
Out: -225.580+/-0.810 χ2/NDF:8902.6/37
All: -231.997+/-0.583 χ2/NDF: 14331.7/73


reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
100
110
120
130
140
150
160
170
180
Right In: 9.938+/-1.065 χ²/NDF: 106.6/15
Left Out: 8.301+/-0.965 χ²/NDF:274.5/19
Right Out: 10.788+/-1.044 χ²/NDF: 105.1/17
Left In: 6.667+/-0.972 χ²/NDF:244.3/19
Left: 7.490+/-0.685 χ²/NDF: 520.2/39
Right: 10.372+/-0.746 χ²/NDF: 212.0/33
In: 8.152+/-0.718 χ²/NDF:356.0/35
Out: 9.447+/-0.708 χ²/NDF:382.6/37
All: 8.808+/-0.504 χ²/NDF: 740.2/73

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: 224.875+/-1.338 χ^2/NDF:1248.6/19

Left: 224.777+/-0.955 χ^2/NDF: 2540.8/39

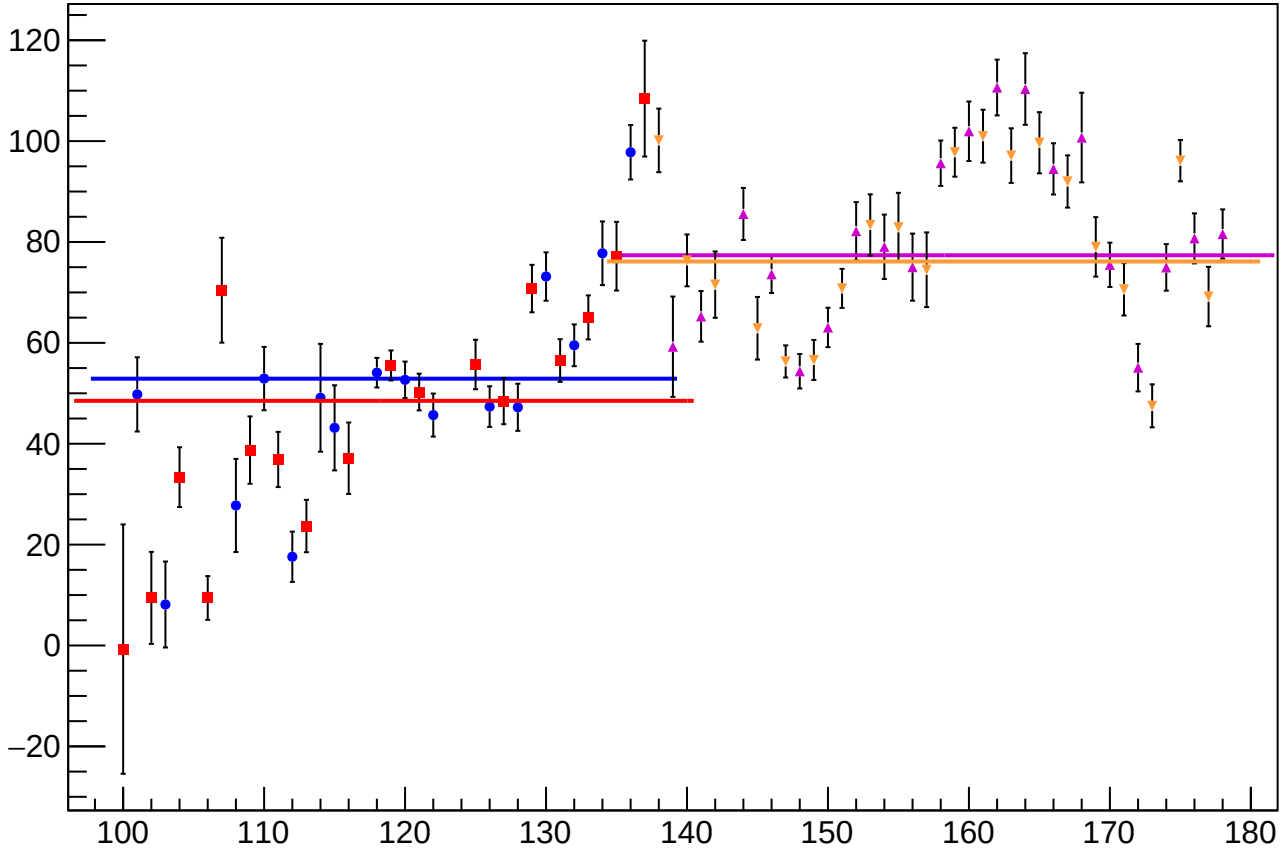
Right: 191.037+/-0.836 χ^2/NDF: 8986.6/33

In: 212.909+/-0.904 χ^2/NDF:3859.8/35

Out: 198.894+/-0.876 χ^2/NDF:8250.4/37

All: 205.682+/-0.629 χ^2/NDF: 12234.1/73

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: 77.367+/-1.120 χ^2/NDF:206.1/19

Left: 76.754+/-0.793 χ^2/NDF: 447.0/39

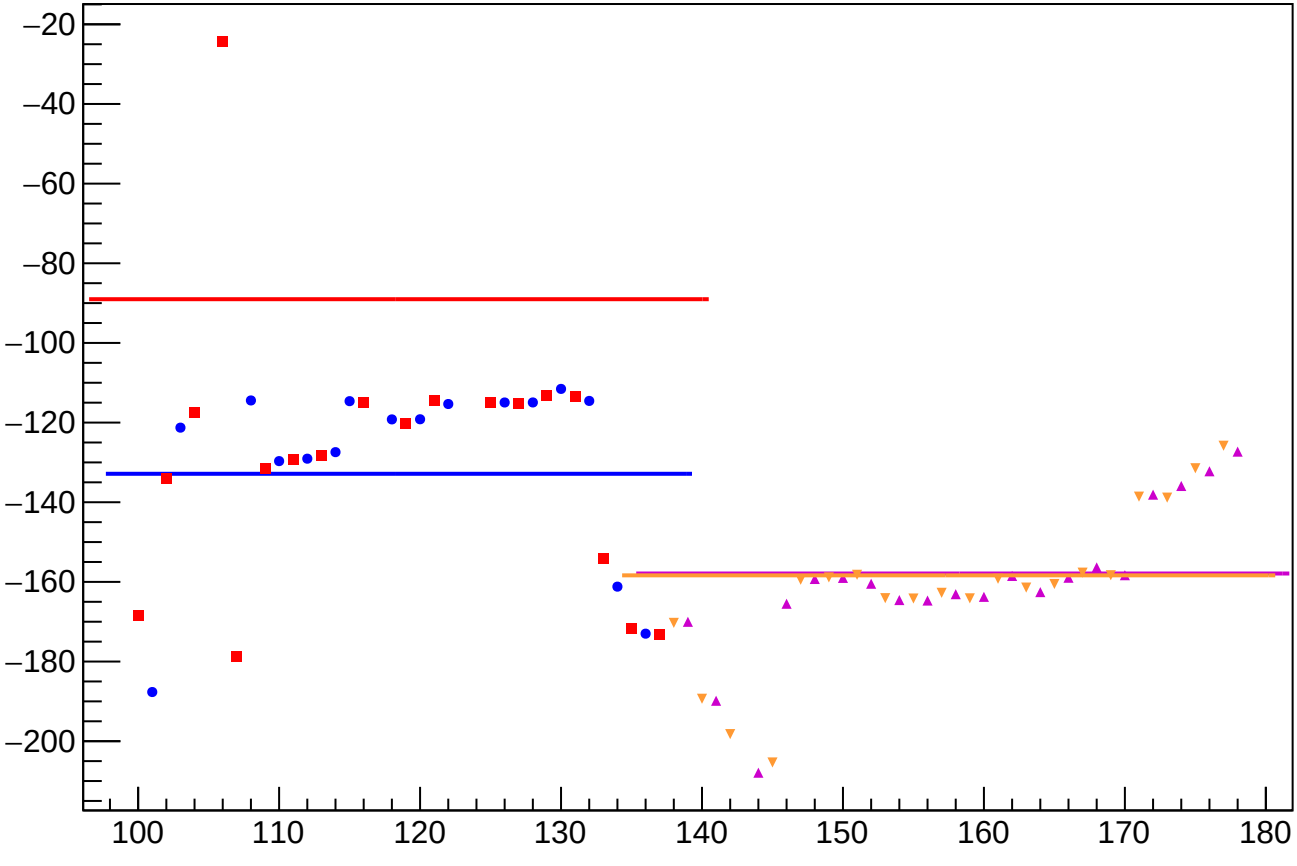
Right: 50.656+/-0.868 χ^2/NDF: 444.7/33

In: 66.386+/-0.832 χ^2/NDF:618.5/35

Out: 63.414+/-0.824 χ^2/NDF:759.6/37

All: 64.886+/-0.585 χ^2/NDF: 1384.6/73

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -158.356+/-0.053 χ^2/NDF:123460.2/19

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

Left In: -157.894+/-0.051 χ^2/NDF:112012.2/19

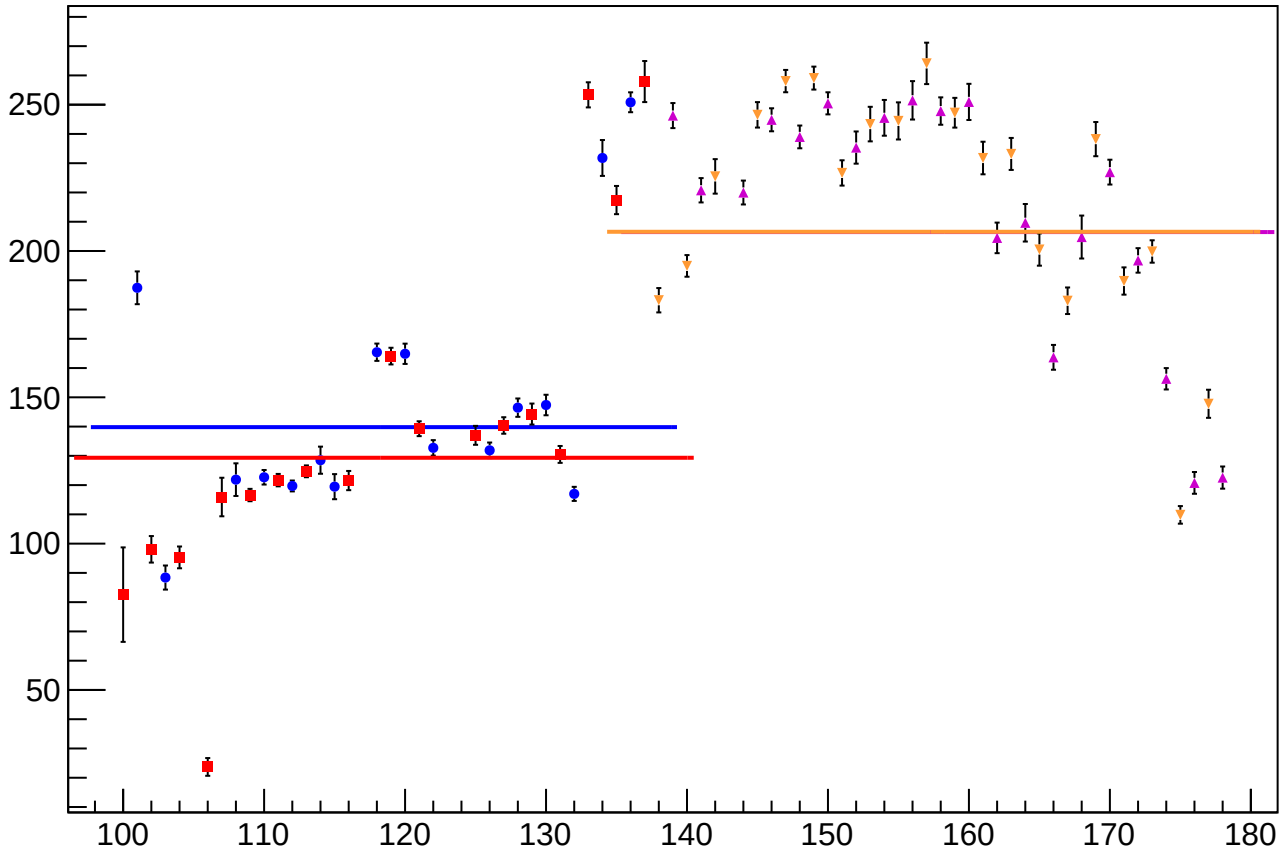
Left: -158.119+/-0.037 χ^2/NDF: 235512.2/39

Right: -105.832+/-0.050 χ^2/NDF: 1000593.4/33

In: -150.815+/-0.043 χ^2/NDF:273453.7/35

Out: -130.545+/-0.041 χ^2/NDF:1550817.8/37

All: -140.048+/-0.030 χ^2/NDF: 1940910.6/73



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: 206.465+/-1.003 χ^2/NDF:1997.2/19

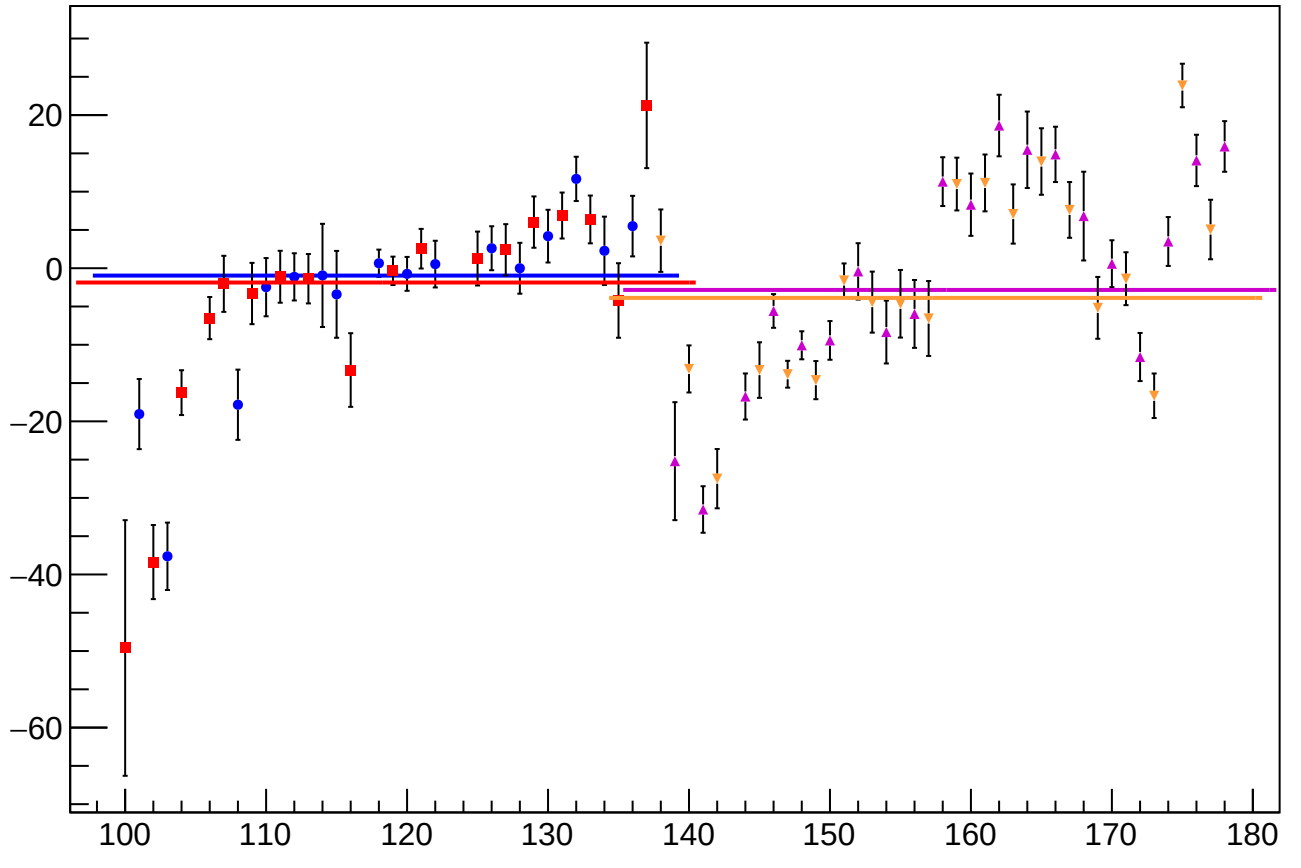
Left: 206.515+/-0.716 χ^2/NDF: 4024.7/39

Right: 134.231+/-0.536 χ^2/NDF: 5183.3/33

In: 165.101+/-0.618 χ^2/NDF:6700.8/35

Out: 155.622+/-0.596 χ^2/NDF:8915.0/37

All: 160.192+/-0.429 χ^2/NDF: 15737.6/73



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: -2.836+/-0.719 χ^2/NDF:312.0/19

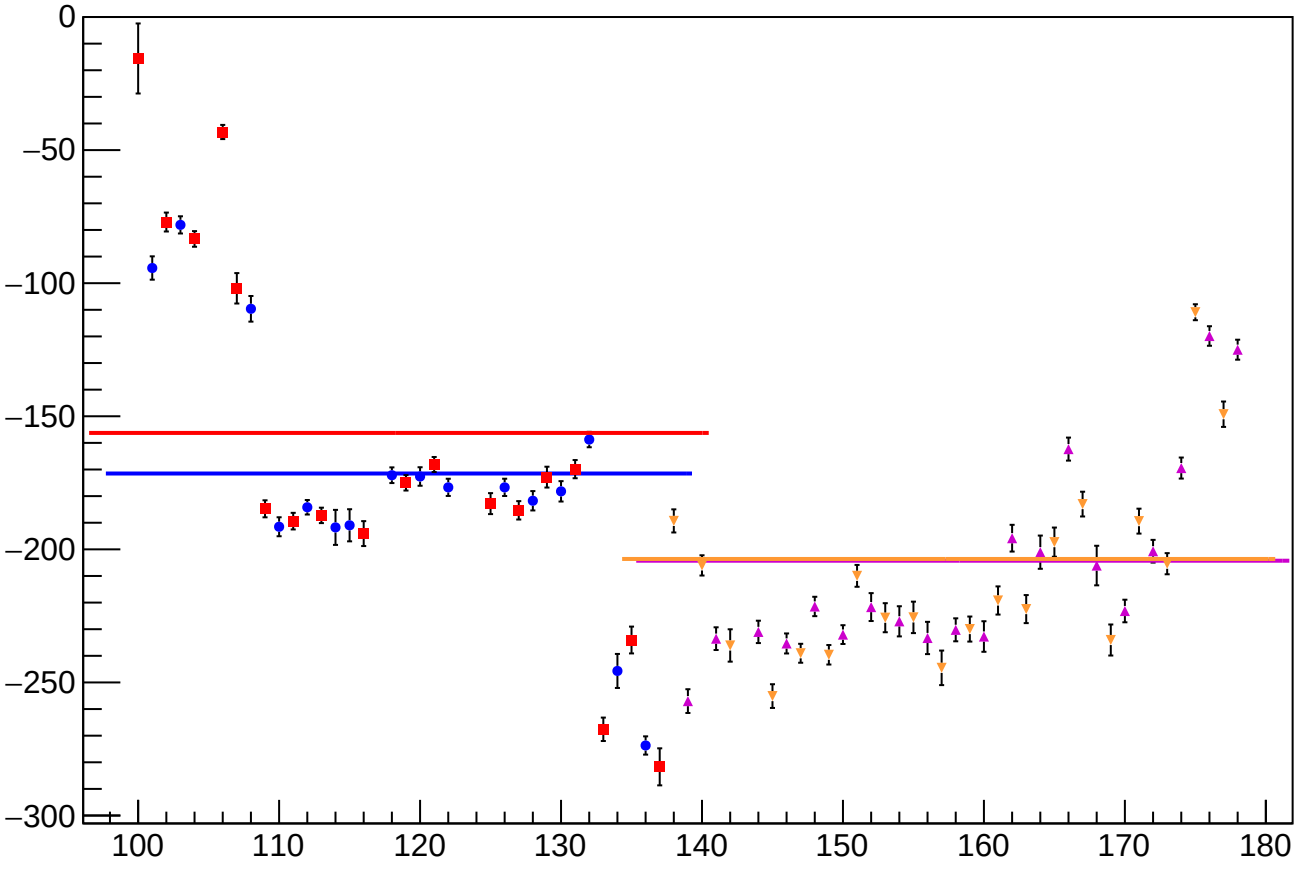
Left: -3.360+/-0.507 χ^2/NDF: 612.0/39

Right: -1.430+/-0.563 χ^2/NDF: 259.9/33

In: -2.009+/-0.537 χ^2/NDF:441.1/35

Out: -2.965+/-0.528 χ^2/NDF:435.7/37

All: -2.495+/-0.377 χ^2/NDF: 878.4/73



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: -204.269+/-0.988 χ^2/NDF:1661.0/19

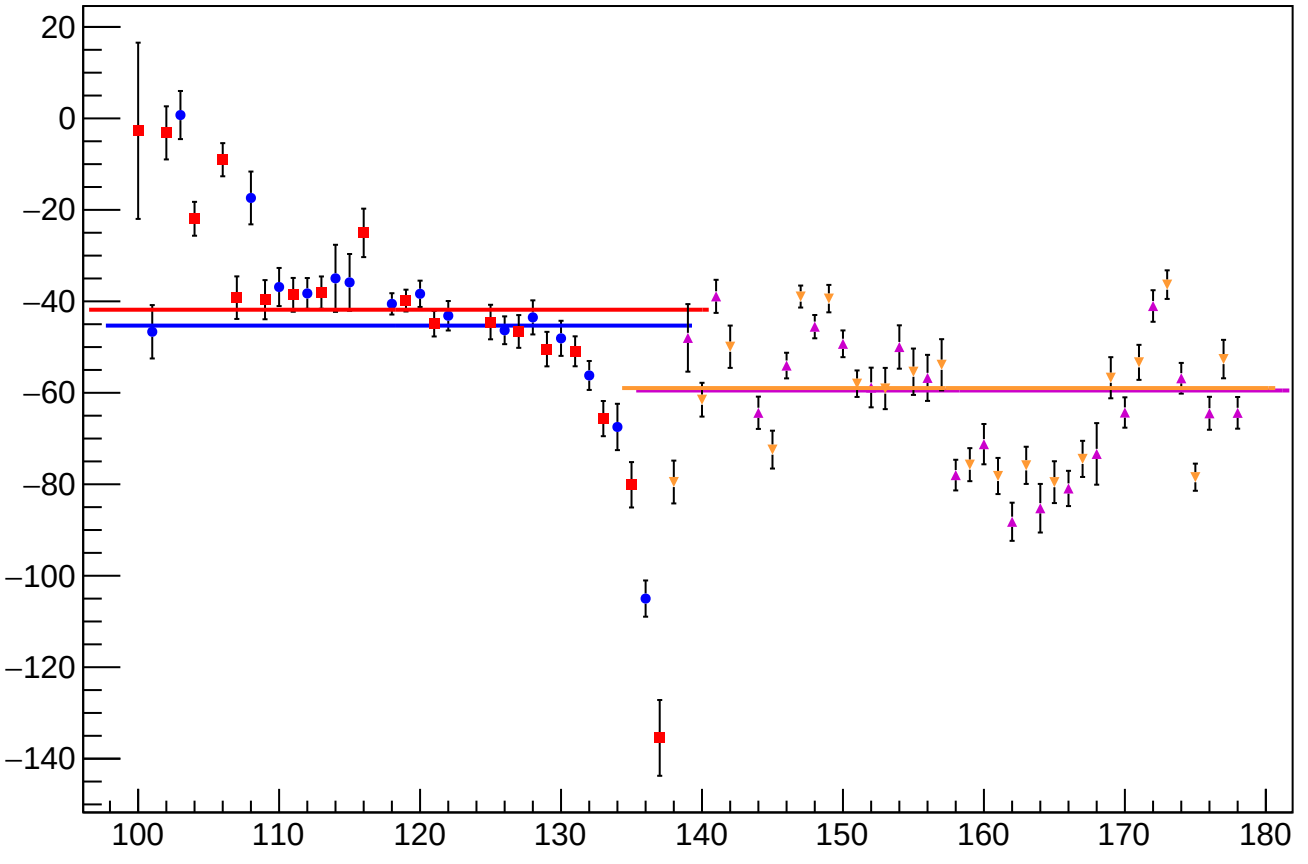
Left: -203.945+/-0.705 χ^2/NDF: 3299.2/39

Right: -163.367+/-0.619 χ^2/NDF: 7498.1/33

In: -186.481+/-0.668 χ^2/NDF:4700.4/35

Out: -175.914+/-0.648 χ^2/NDF:7838.6/37

All: -181.036+/-0.465 χ^2/NDF: 12667.9/73



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: -59.493+/-0.828 χ^2/NDF:265.8/19

Left: -59.229+/-0.587 χ^2/NDF: 611.5/39

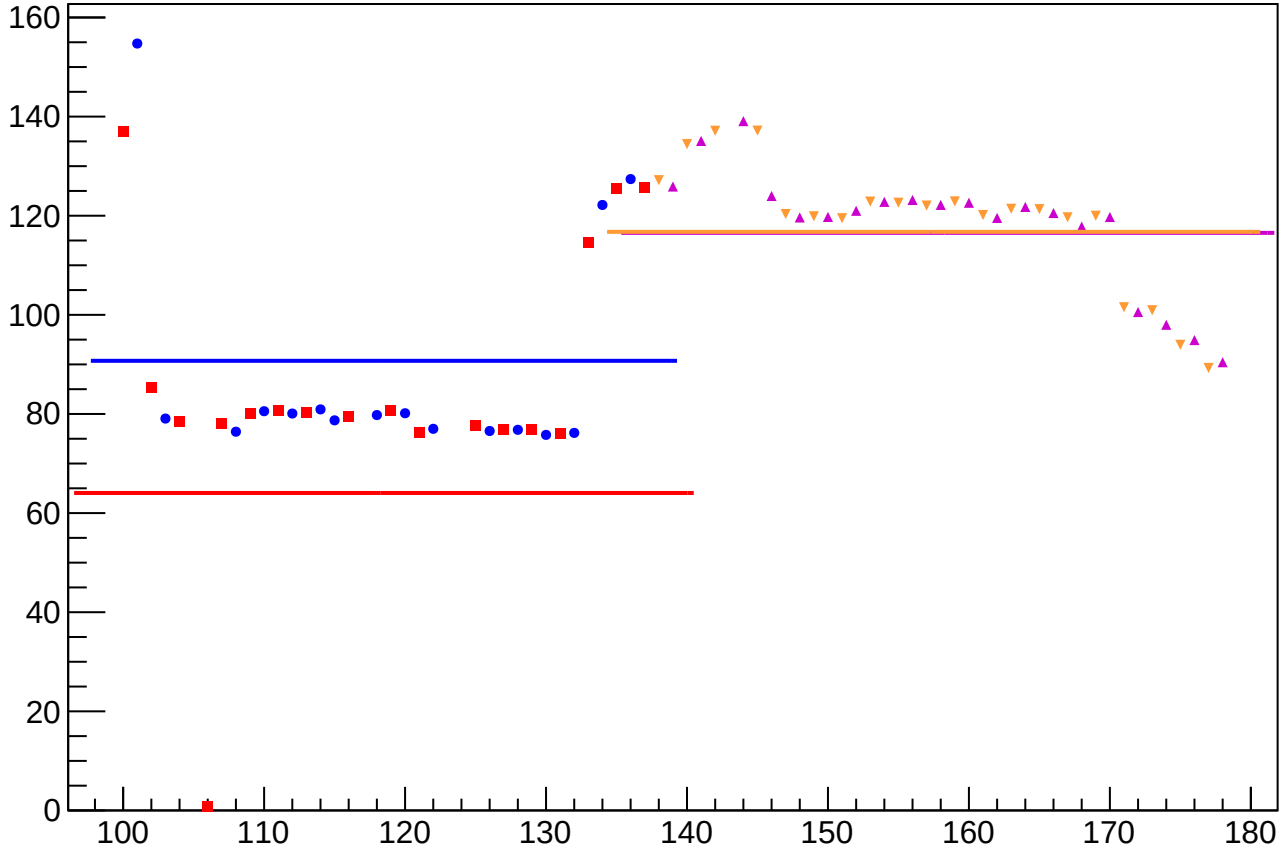
Right: -43.515+/-0.653 χ^2/NDF: 803.4/33

In: -53.272+/-0.621 χ^2/NDF:776.5/35

Out: -51.173+/-0.613 χ^2/NDF:953.2/37

All: -52.210+/-0.436 χ^2/NDF: 1735.5/73

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: 116.544+/-0.038 χ^2/NDF:112529.8/19

Left: 116.645+/-0.027 χ^2/NDF: 227792.4/39

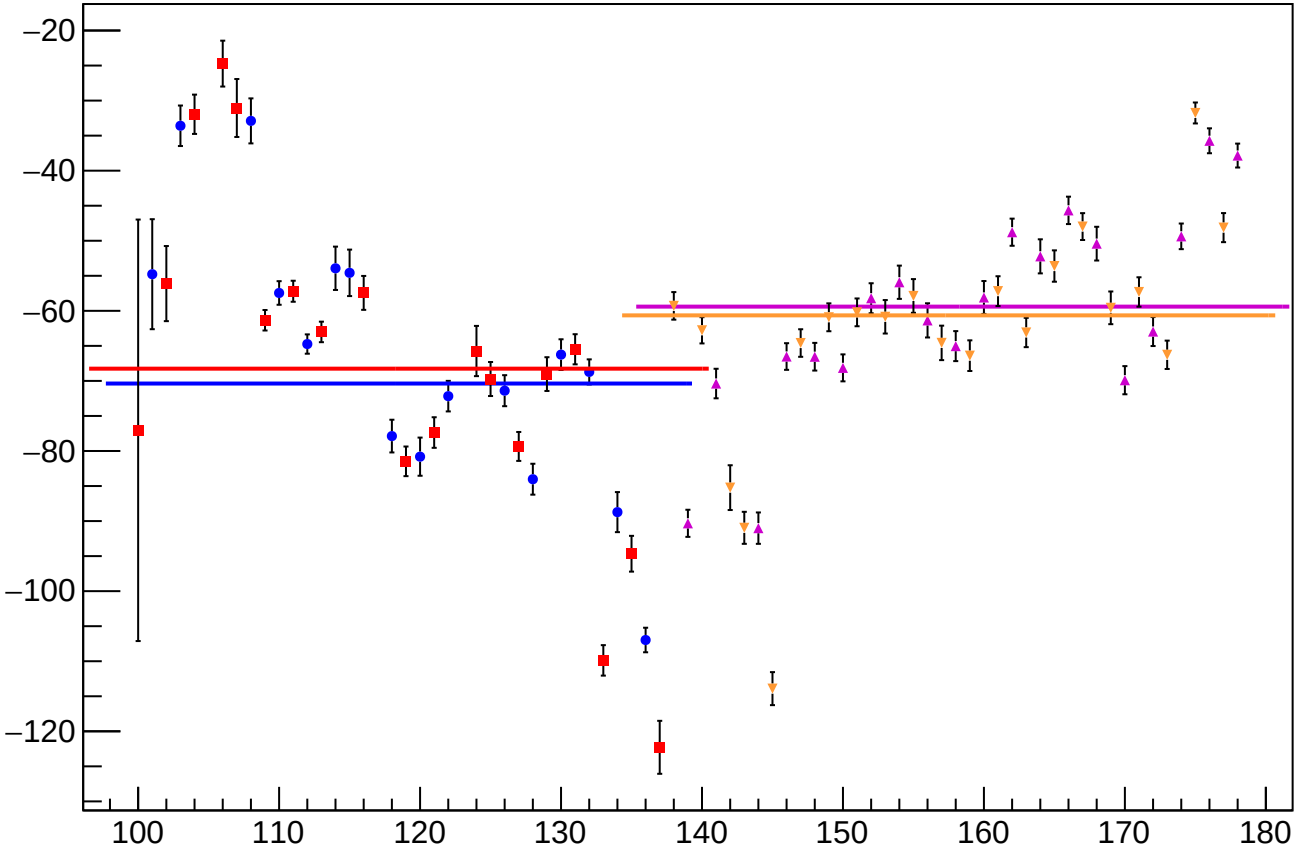
Right: 75.136+/-0.038 χ^2/NDF: 943639.1/33

In: 108.937+/-0.032 χ^2/NDF:411148.0/35

Out: 96.573+/-0.031 χ^2/NDF:1481220.8/37

All: 102.509+/-0.022 χ^2/NDF: 1971228.9/73

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -60.647+/-0.458 χ^2/NDF:1241.0/20

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

Left In: -59.399+/-0.458 χ^2/NDF:1039.1/19

Left: -60.022+/-0.324 χ^2/NDF: 2283.8/40

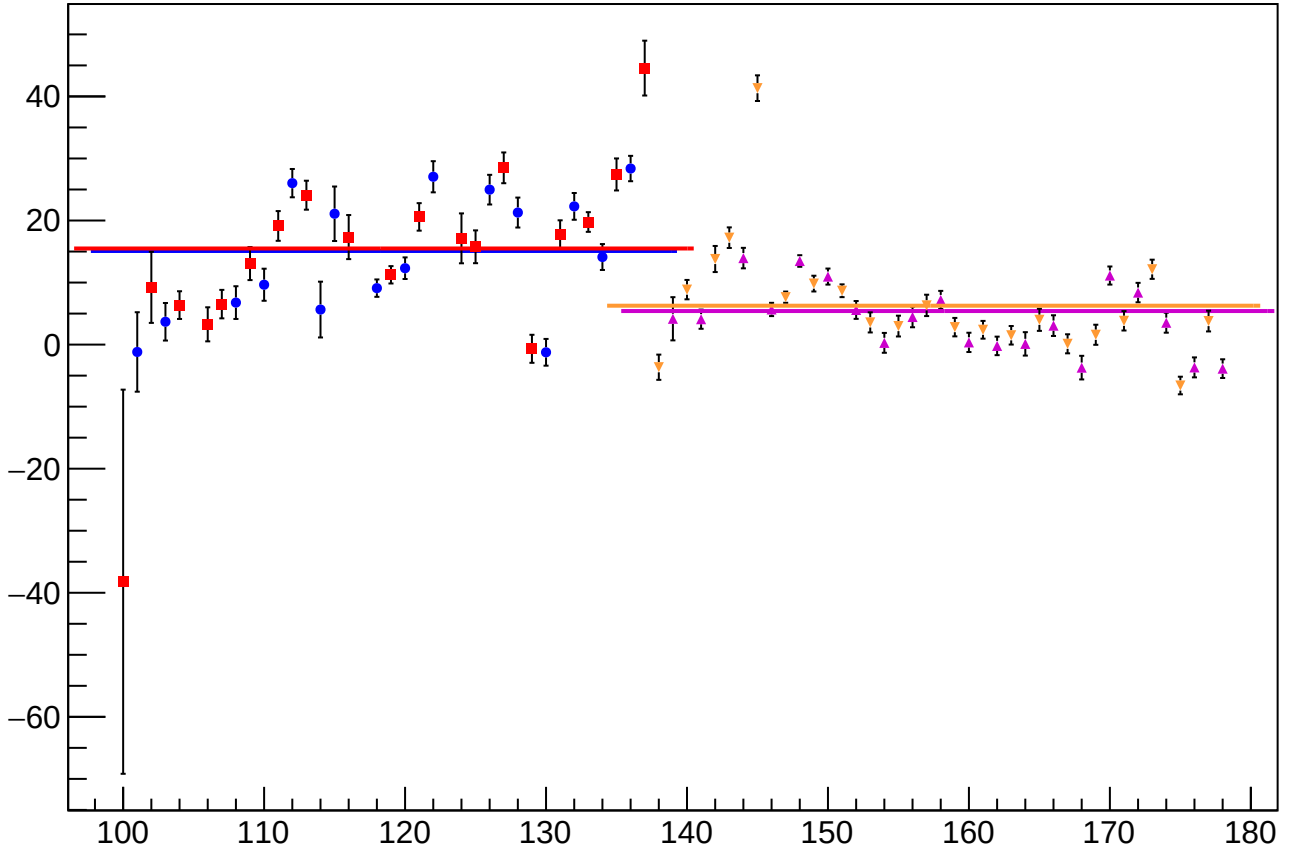
Right: -69.252+/-0.383 χ^2/NDF: 2288.5/34

In: -63.818+/-0.354 χ^2/NDF:2245.3/35

Out: -63.925+/-0.346 χ^2/NDF:2665.5/39

All: -63.873+/-0.247 χ^2/NDF: 4910.9/75

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 6.270+/-0.324 χ^2/NDF:542.5/20

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

Left In: 5.409+/-0.332 χ^2/NDF:280.6/19

Left: 5.850+/-0.232 χ^2/NDF: 826.5/40

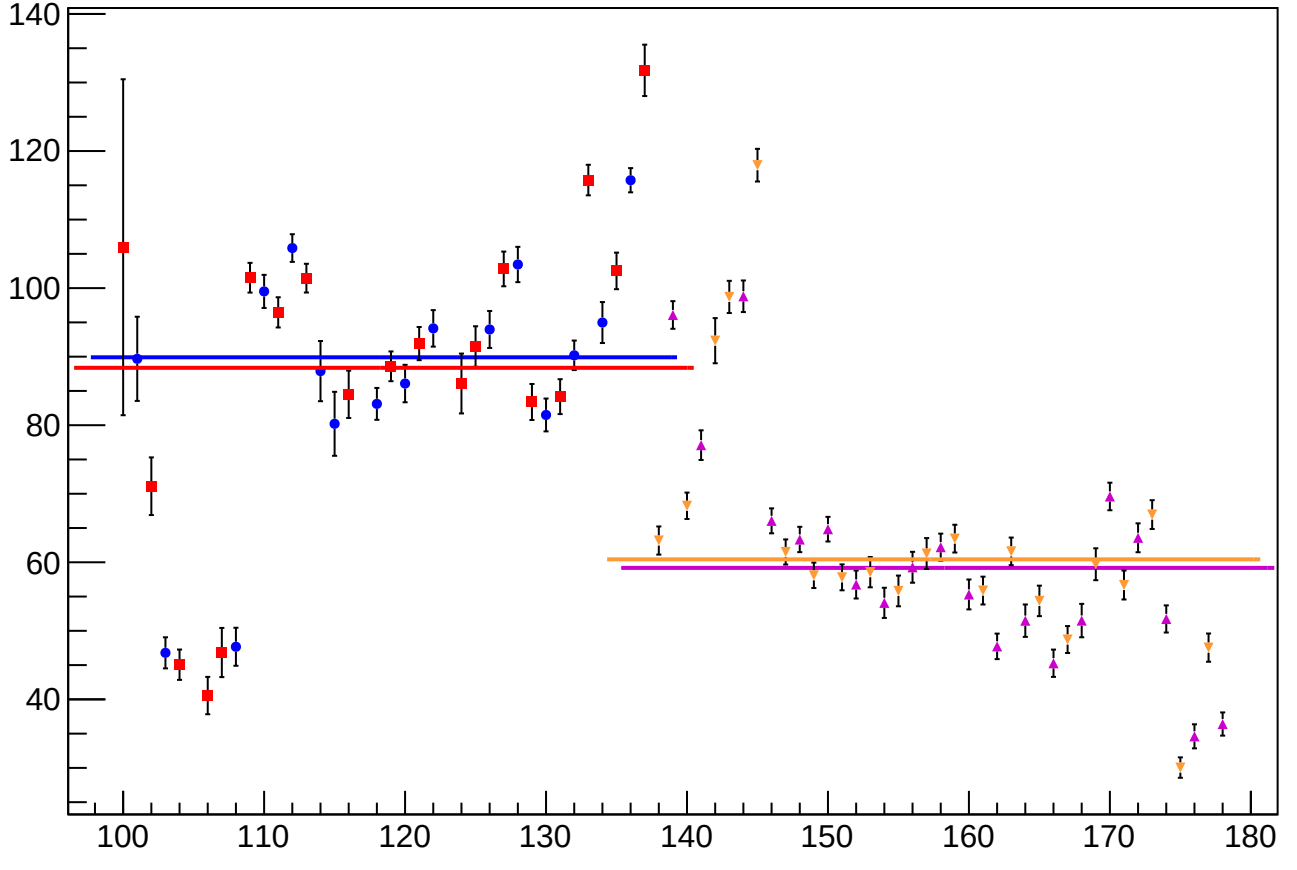
Right: 15.300+/-0.402 χ^2/NDF: 482.0/34

In: 7.795+/-0.288 χ^2/NDF:732.5/35

Out: 8.595+/-0.280 χ^2/NDF:985.8/39

All: 8.206+/-0.201 χ^2/NDF: 1722.3/75

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: 59.181+/-0.449 χ^2/NDF:1270.2/19

Left: 59.804+/-0.318 χ^2/NDF: 2760.8/40

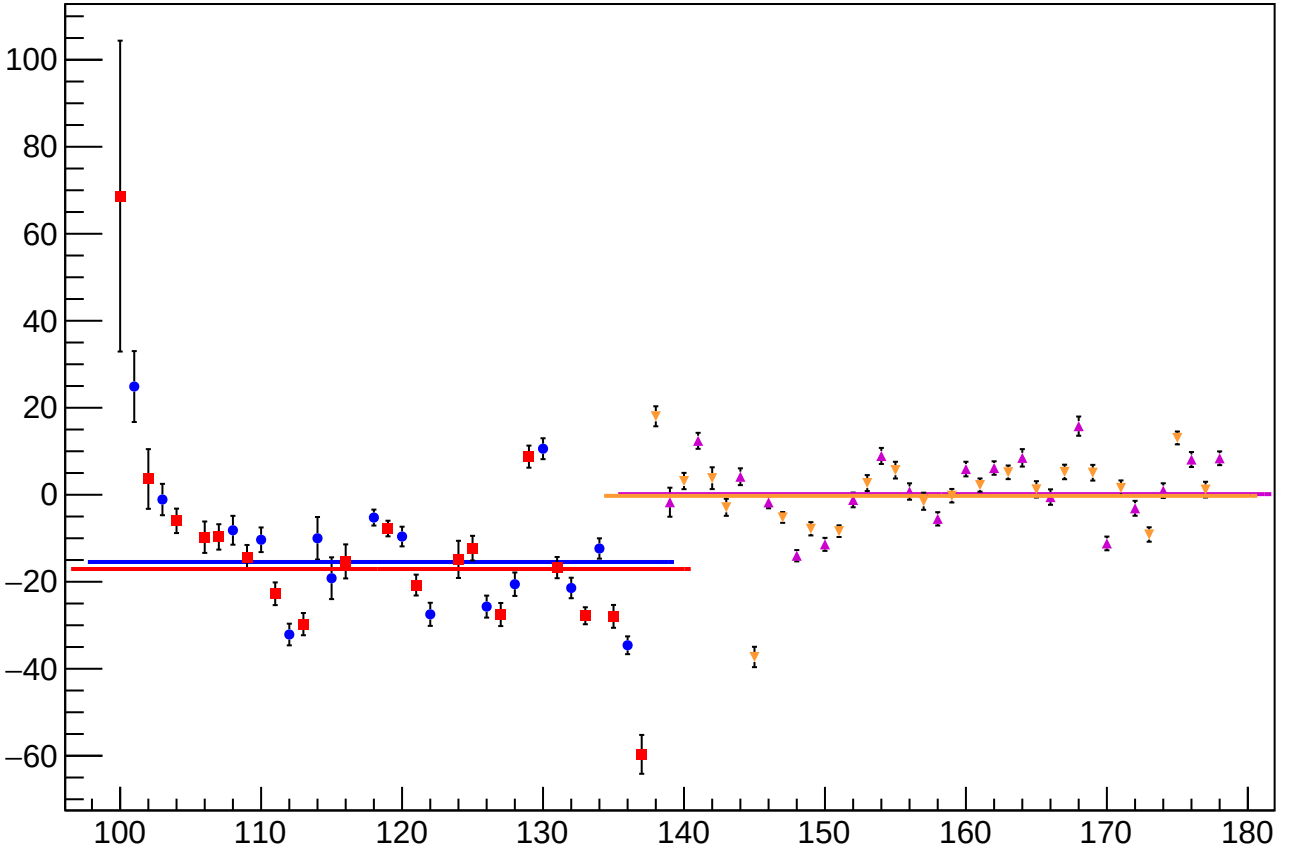
Right: 89.113+/-0.445 χ^2/NDF: 2239.5/34

In: 69.314+/-0.368 χ^2/NDF:3759.4/35

Out: 70.122+/-0.364 χ^2/NDF:4113.7/39

All: 69.723+/-0.259 χ^2/NDF: 7875.5/75

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: -0.251+/-0.373 χ^2/NDF:556.6/20

Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: 0.144+/-0.379 χ^2/NDF:465.0/19

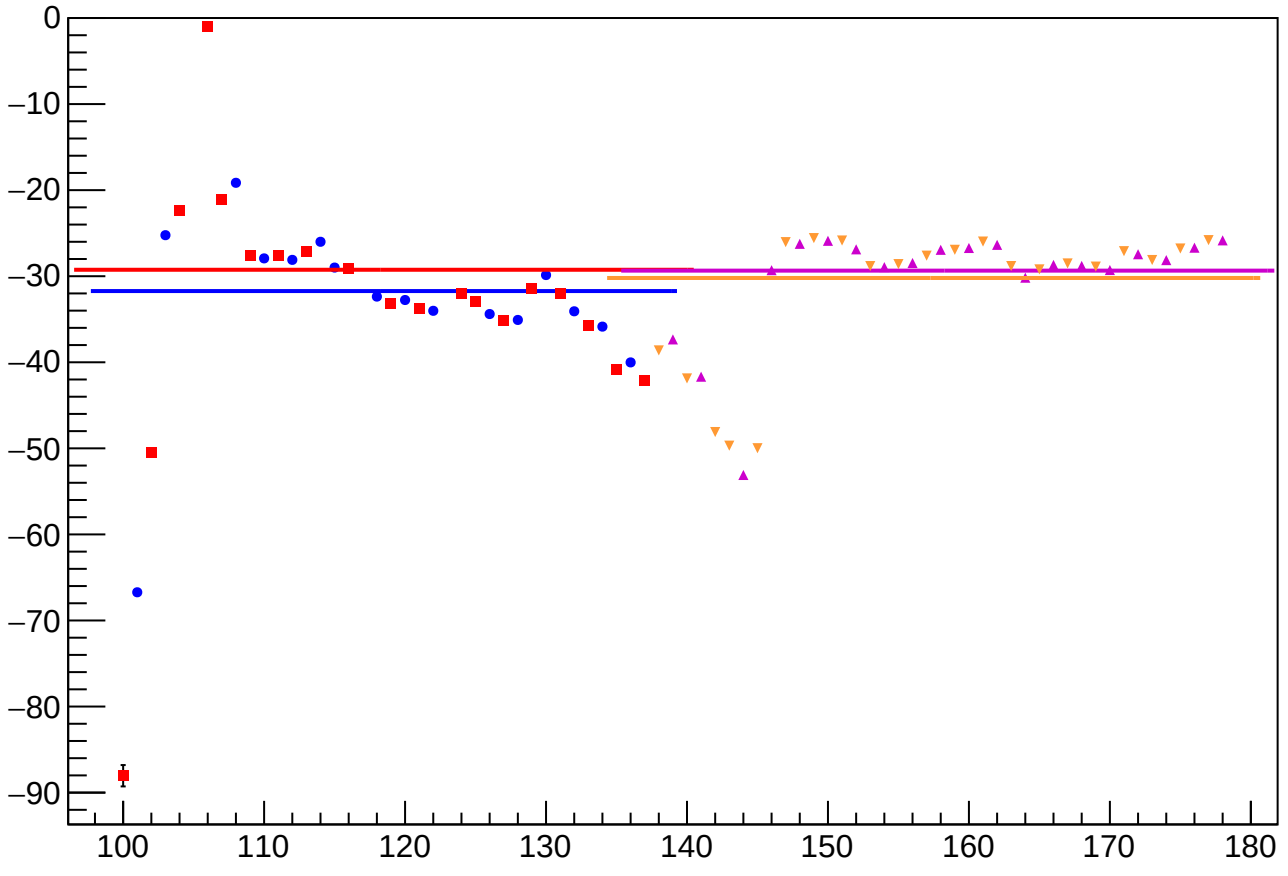
Left: -0.057+/-0.266 χ^2/NDF: 1022.2/40

Right: -16.287+/-0.463 χ^2/NDF: 750.5/34

In: -3.681+/-0.330 χ^2/NDF:1266.2/35

Out: -4.475+/-0.323 χ^2/NDF:1428.7/39

All: -4.087+/-0.231 χ^2/NDF: 2697.9/75



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: -29.351+/-0.017 χ^2/NDF:99006.9/19

Left: -29.775+/-0.012 χ^2/NDF: 258623.0/40

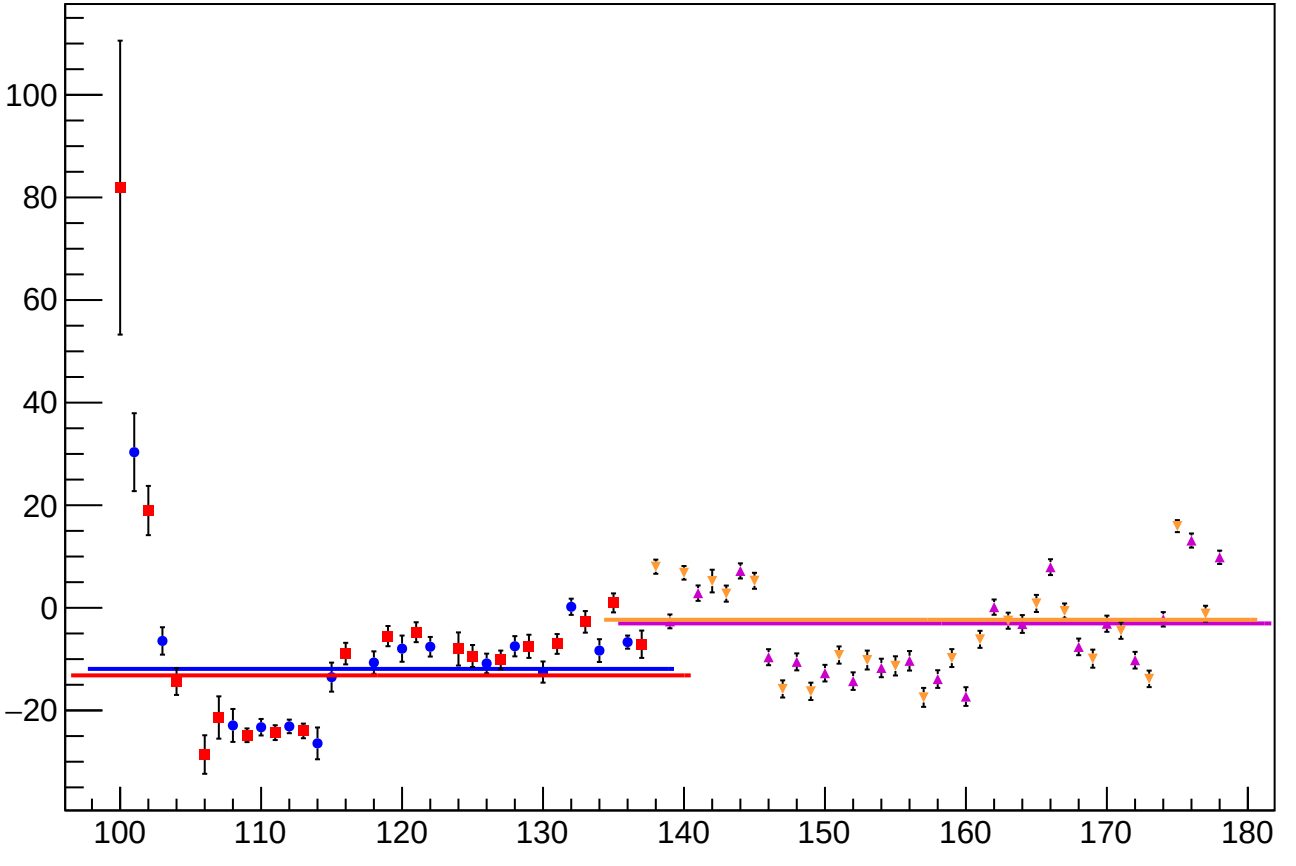
Right: -30.485+/-0.027 χ^2/NDF: 136941.1/34

In: -29.736+/-0.016 χ^2/NDF:141825.9/35

Out: -30.048+/-0.016 χ^2/NDF:254105.5/39

All: -29.891+/-0.011 χ^2/NDF: 396132.9/75

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: -3.041+/-0.350 χ^2/NDF:638.6/19

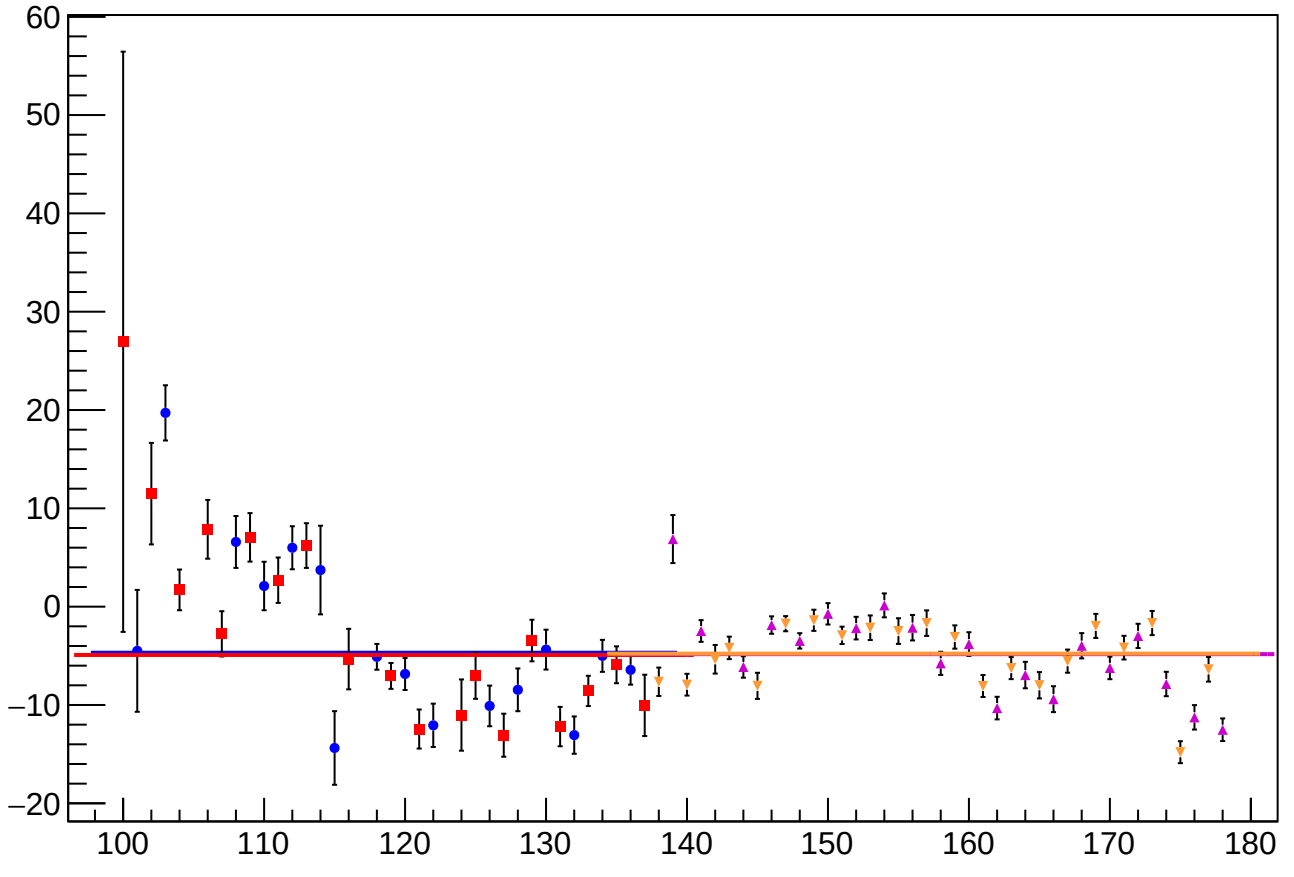
Left: -2.682+/-0.247 χ^2/NDF: 1391.5/40

Right: -12.559+/-0.345 χ^2/NDF: 706.9/34

In: -5.984+/-0.286 χ^2/NDF:1133.4/35

Out: -6.075+/-0.282 χ^2/NDF:1506.1/39

All: -6.030+/-0.201 χ^2/NDF: 2639.6/75



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: -4.831+/-0.258 χ^2/NDF:203.8/19

Left: -4.802+/-0.180 χ^2/NDF: 378.5/40

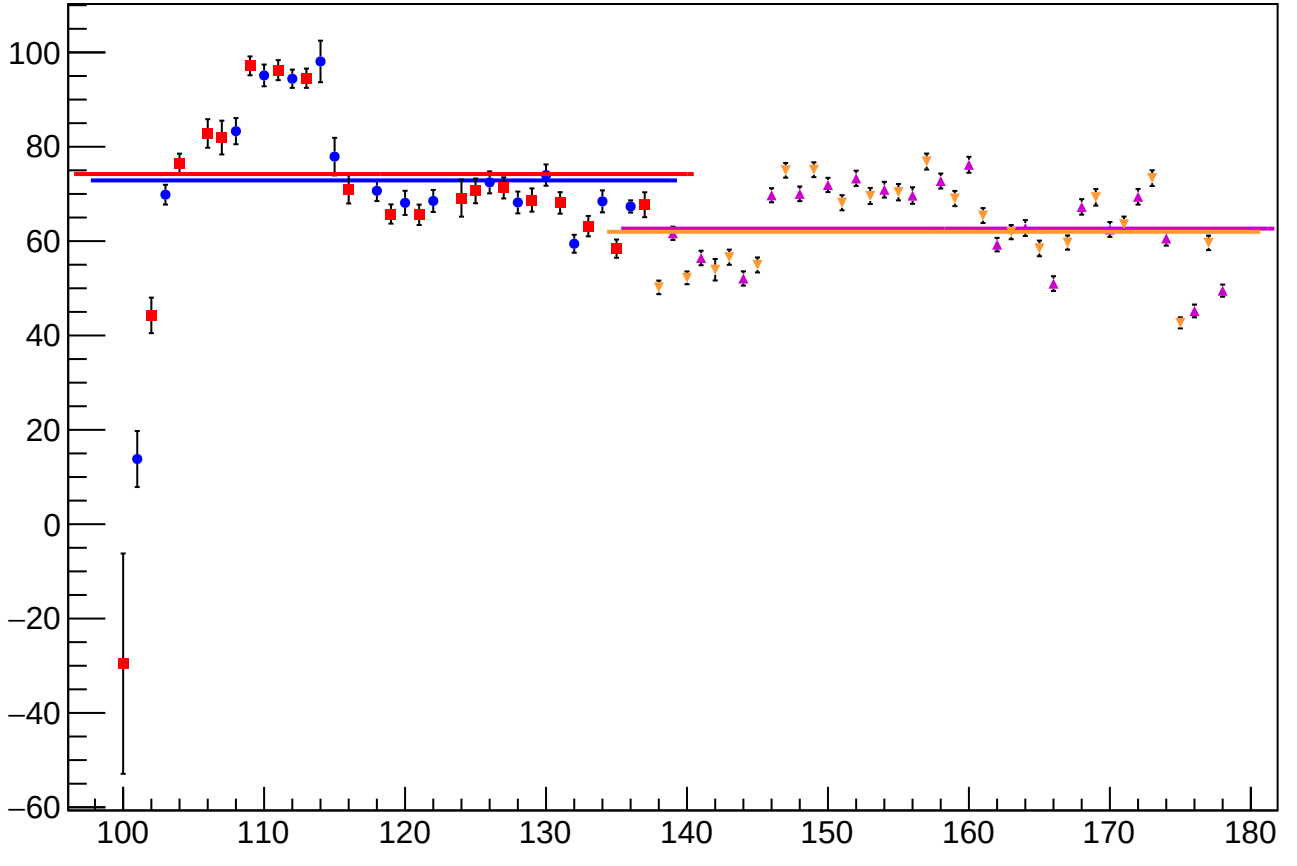
Right: -4.801+/-0.364 χ^2/NDF: 335.0/34

In: -4.802+/-0.231 χ^2/NDF:382.9/35

Out: -4.802+/-0.226 χ^2/NDF:330.6/39

All: -4.802+/-0.162 χ^2/NDF: 713.5/75

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 62.653+/-0.345 χ^2/NDF:690.4/19

Left: 62.313+/-0.243 χ^2/NDF: 1497.0/40

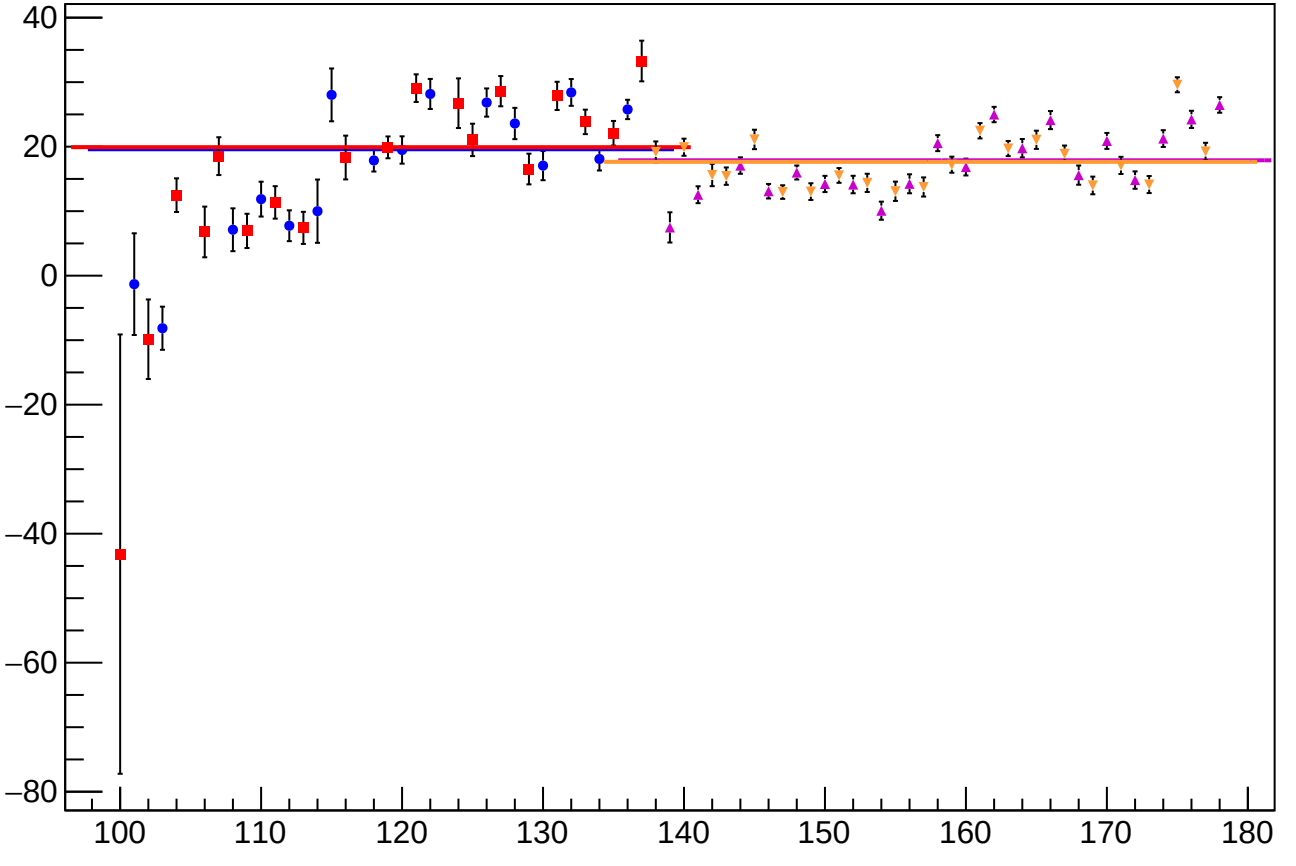
Right: 73.545+/-0.399 χ^2/NDF: 1039.8/34

In: 65.422+/-0.294 χ^2/NDF:1378.9/35

Out: 65.307+/-0.293 χ^2/NDF:1735.9/39

All: 65.364+/-0.208 χ^2/NDF: 3114.9/75

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: 17.885+/-0.294 χ^2/NDF:266.7/19

Left: 17.764+/-0.206 χ^2/NDF: 485.5/40

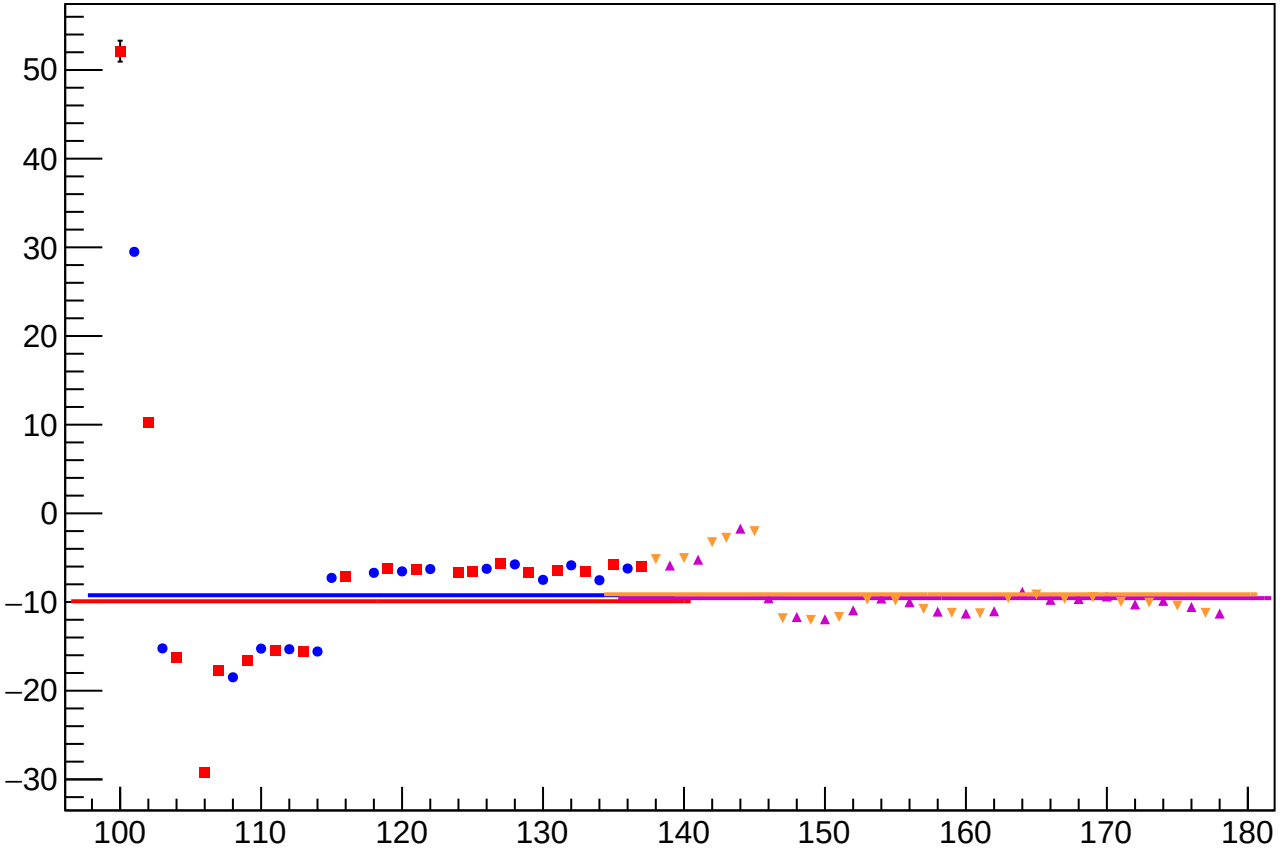
Right: 19.759+/-0.414 χ^2/NDF: 377.5/34

In: 18.229+/-0.263 χ^2/NDF:469.5/35

Out: 18.090+/-0.258 χ^2/NDF:411.9/39

All: 18.158+/-0.184 χ^2/NDF: 881.6/75

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: -9.561+/-0.013 χ^2/NDF:30673.5/19

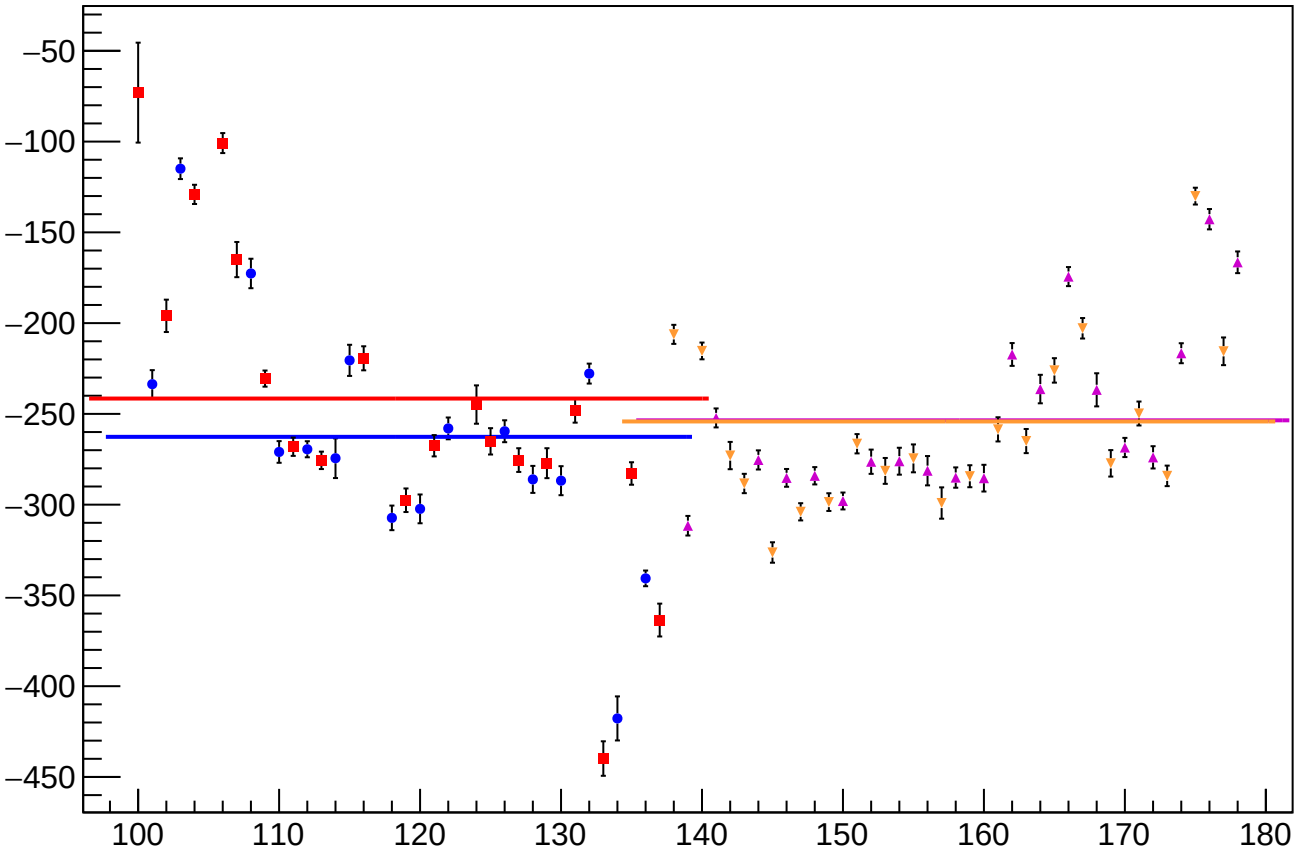
Left: -9.344+/-0.009 χ^2/NDF: 78366.5/40

Right: -9.558+/-0.024 χ^2/NDF: 85225.4/34

In: -9.517+/-0.012 χ^2/NDF:61918.1/35

Out: -9.224+/-0.012 χ^2/NDF:101451.5/39

All: -9.372+/-0.009 χ^2/NDF: 163662.3/75



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: -253.544+/-1.302 χ^2/NDF:1325.9/19

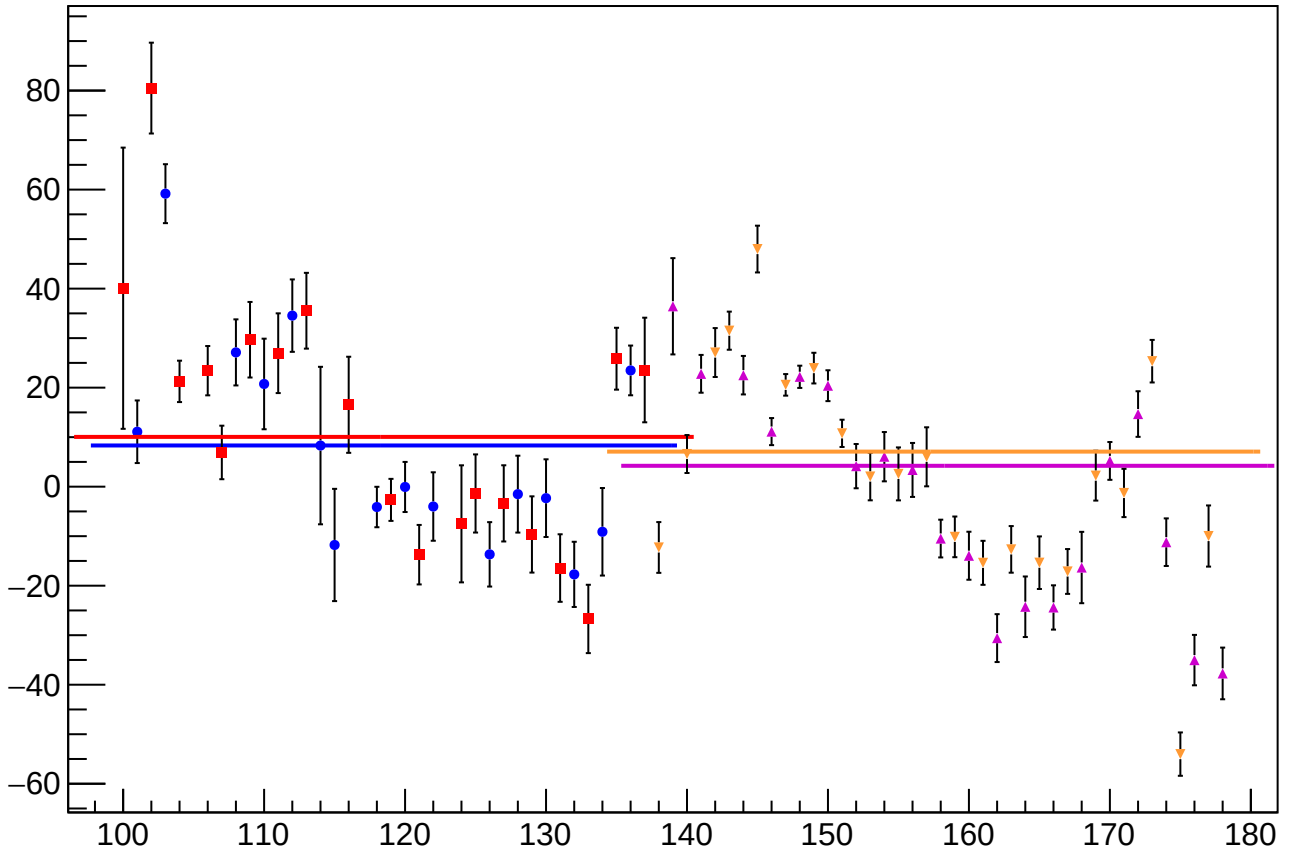
Left: -253.858+/-0.916 χ^2/NDF: 2849.9/40

Right: -251.368+/-1.101 χ^2/NDF: 3684.2/34

In: -257.132+/-1.013 χ^2/NDF:2799.5/35

Out: -248.833+/-0.979 χ^2/NDF:3702.9/39

All: -252.840+/-0.704 χ^2/NDF: 6537.1/75



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: 4.215+/-0.917 χ^2/NDF:445.3/19

Left: 5.693+/-0.638 χ^2/NDF: 999.2/40

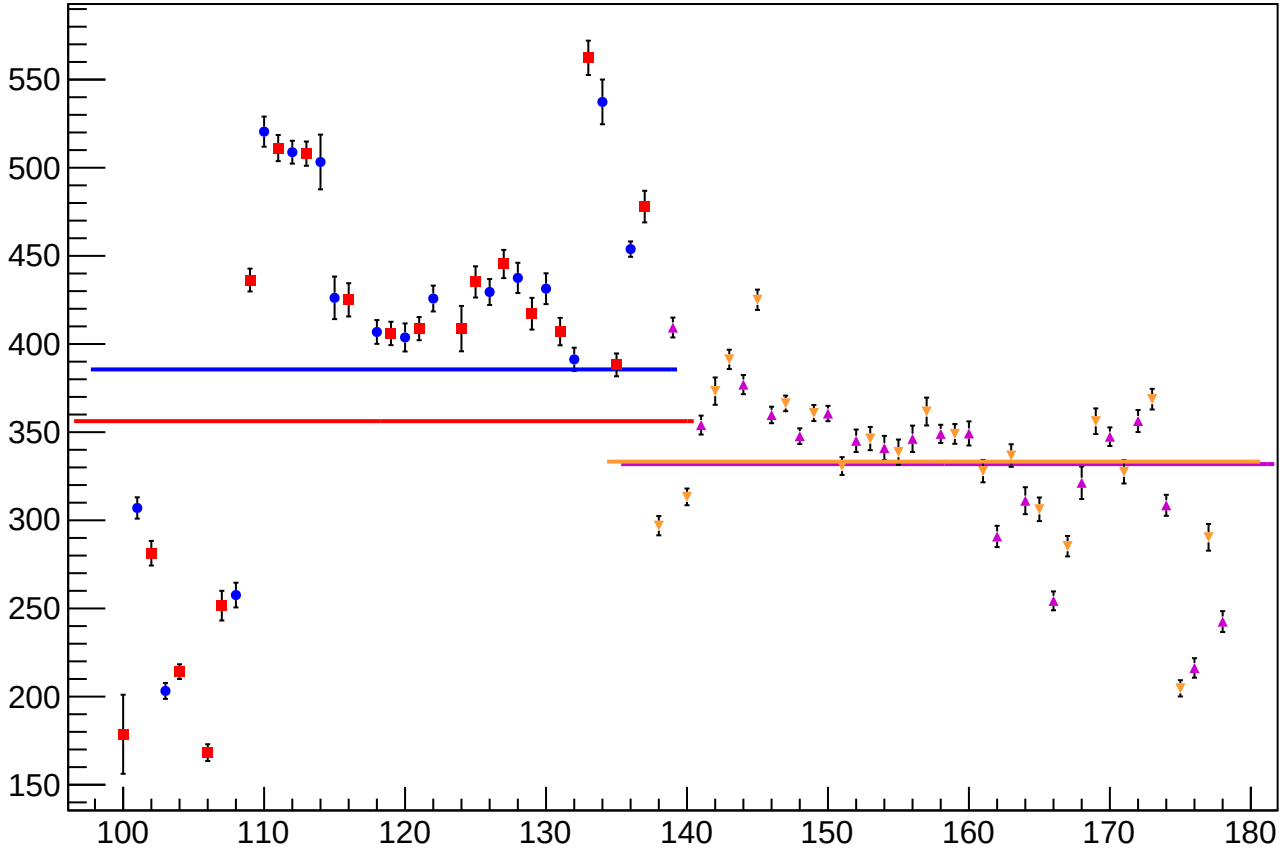
Right: 9.243+/-1.123 χ^2/NDF: 345.7/34

In: 5.190+/-0.801 χ^2/NDF:607.7/35

Out: 7.824+/-0.770 χ^2/NDF:739.1/39

All: 6.559+/-0.555 χ^2/NDF: 1352.4/75

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: 331.896+/-1.277 χ^2/NDF:1362.5/19

Left: 332.602+/-0.899 χ^2/NDF: 2876.8/40

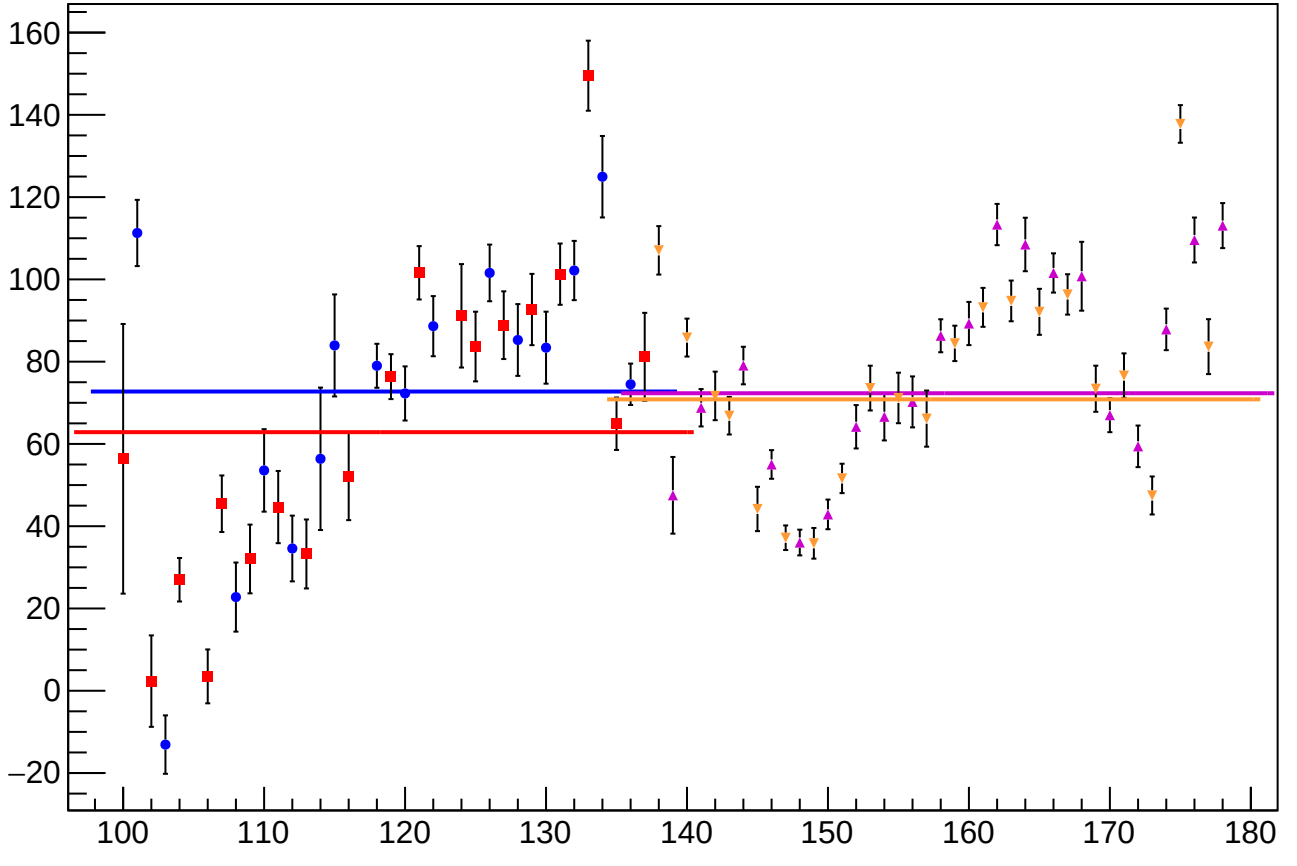
Right: 370.089+/-1.197 χ^2/NDF: 8793.2/34

In: 350.658+/-1.030 χ^2/NDF:5353.5/35

Out: 341.828+/-1.004 χ^2/NDF:6906.0/39

All: 346.131+/-0.719 χ^2/NDF: 12297.2/75

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: 72.325+/-1.063 χ^2/NDF:528.4/19

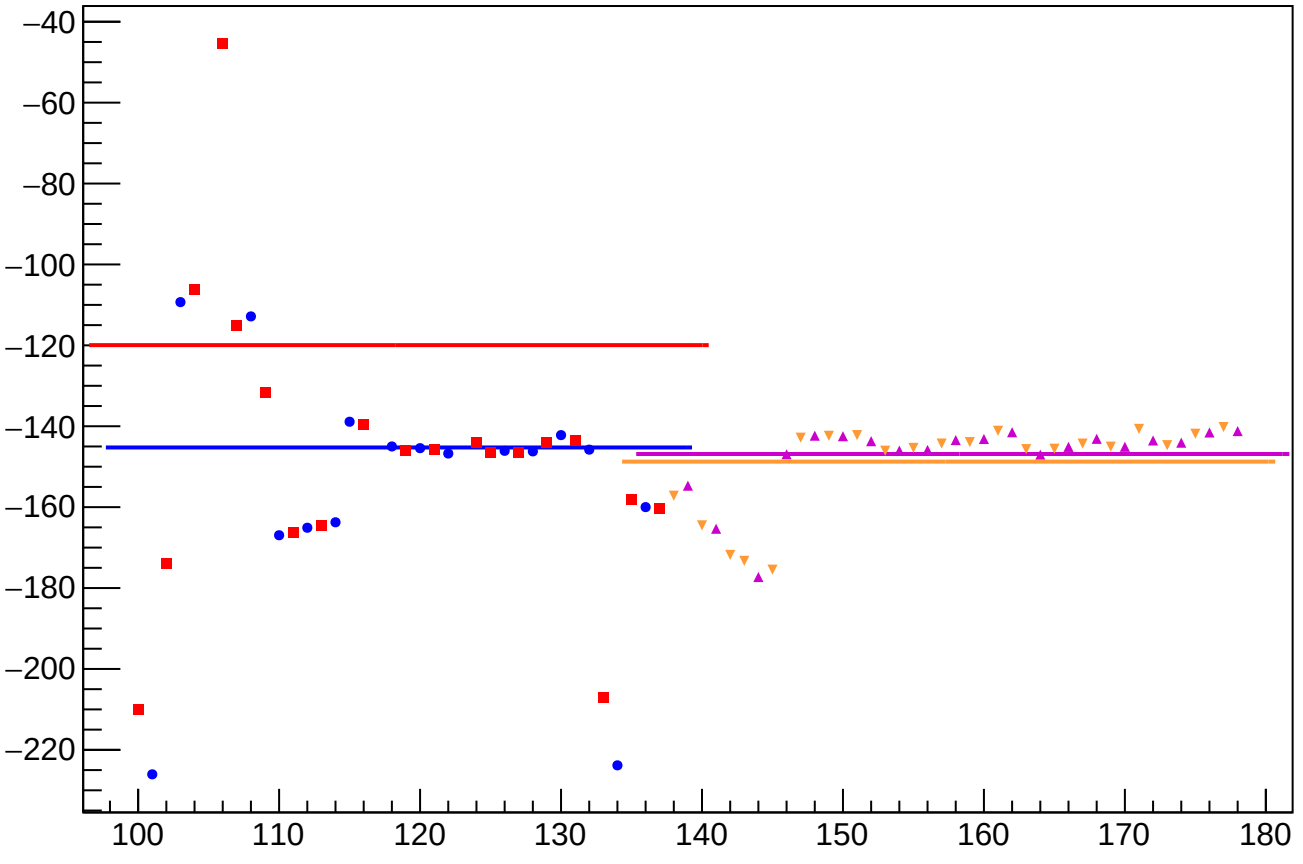
Left: 71.564+/-0.743 χ^2/NDF: 1189.3/40

Right: 67.528+/-1.304 χ^2/NDF: 722.2/34

In: 72.424+/-0.927 χ^2/NDF:832.7/35

Out: 68.836+/-0.899 χ^2/NDF:1078.3/39

All: 70.575+/-0.645 χ^2/NDF: 1918.8/75



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: -146.858+/-0.049 χ^2/NDF:28559.3/19

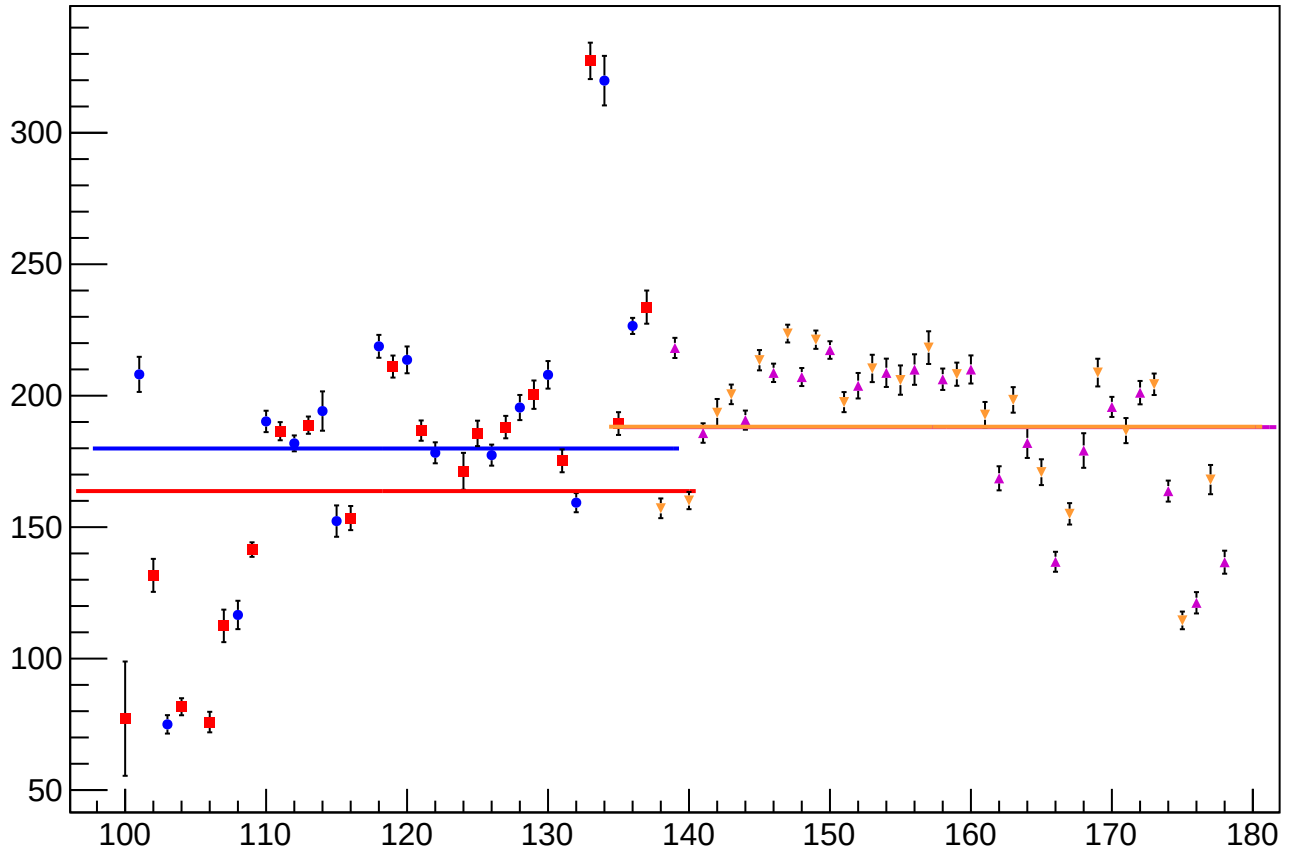
Left: -147.797+/-0.035 χ^2/NDF: 76962.8/40

Right: -131.335+/-0.066 χ^2/NDF: 438808.7/34

In: -146.541+/-0.044 χ^2/NDF:160832.3/35

Out: -142.059+/-0.043 χ^2/NDF:398459.8/39

All: -144.261+/-0.031 χ^2/NDF: 564662.0/75



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 188.197+/-0.924 χ^2/NDF:1084.7/20

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

Left In: 188.038+/-0.936 χ^2/NDF:943.7/19

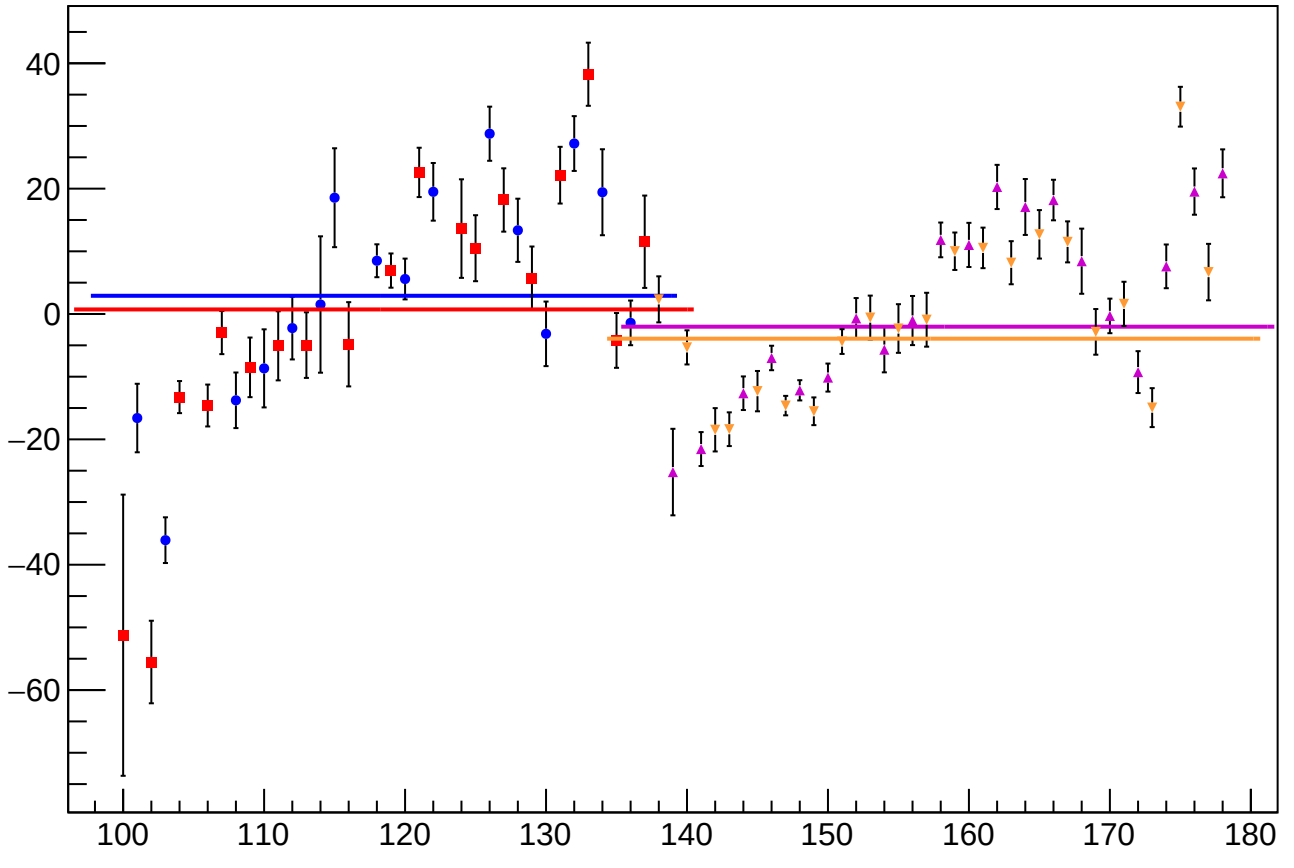
Left: 188.118+/-0.658 χ^2/NDF: 2028.4/40

Right: 171.138+/-0.737 χ^2/NDF: 4269.5/34

In: 184.586+/-0.710 χ^2/NDF:2708.3/35

Out: 176.937+/-0.679 χ^2/NDF:3824.6/39

All: 180.590+/-0.491 χ^2/NDF: 6593.6/75



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: -2.024+/-0.660 χ^2/NDF:367.4/19

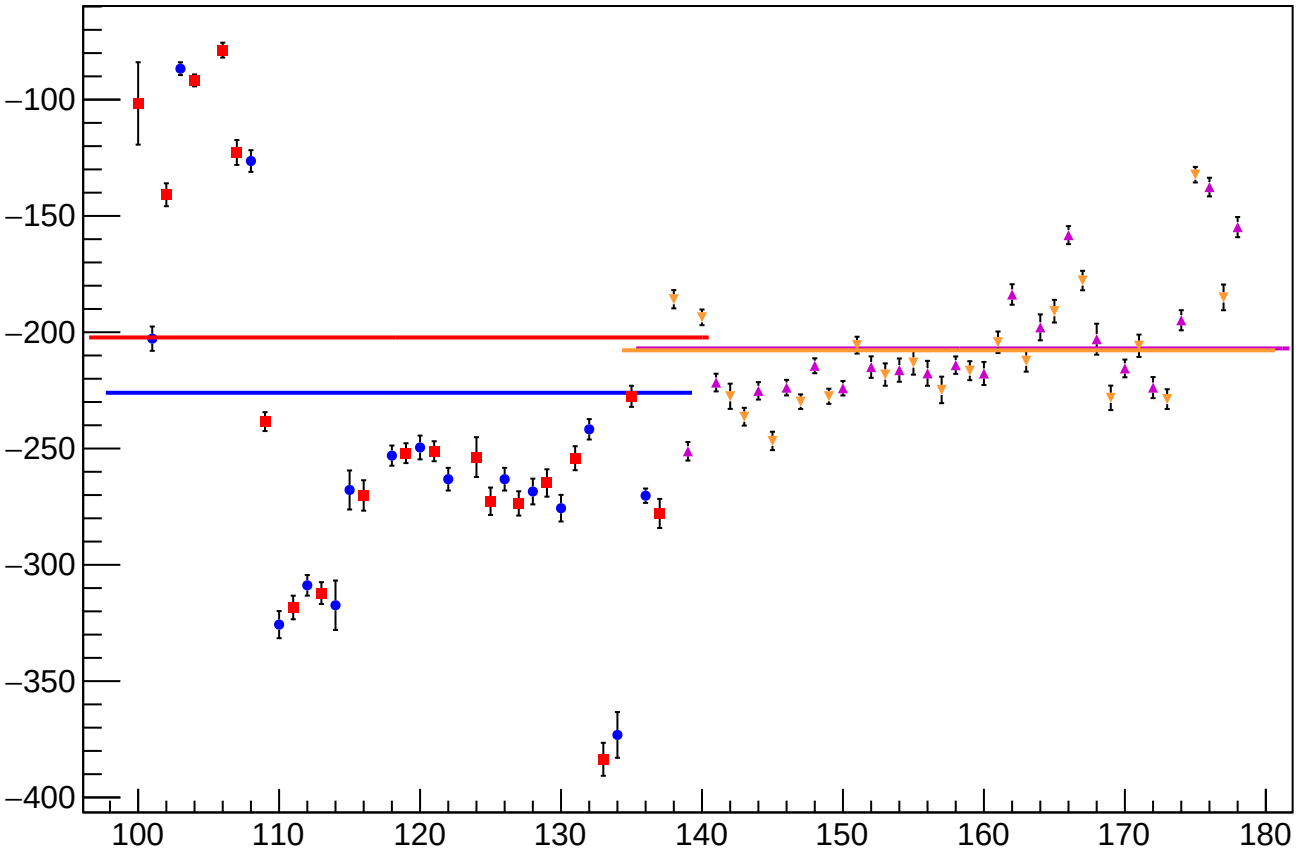
Left: -3.014+/-0.458 χ^2/NDF: 756.3/40

Right: 1.723+/-0.746 χ^2/NDF: 523.2/34

In: -0.728+/-0.566 χ^2/NDF:629.6/35

Out: -2.613+/-0.539 χ^2/NDF:673.4/39

All: -1.717+/-0.390 χ^2/NDF: 1308.8/75



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: -206.961+/-0.919 χ^2/NDF:901.3/19

Left: -207.371+/-0.646 χ^2/NDF: 1853.2/40

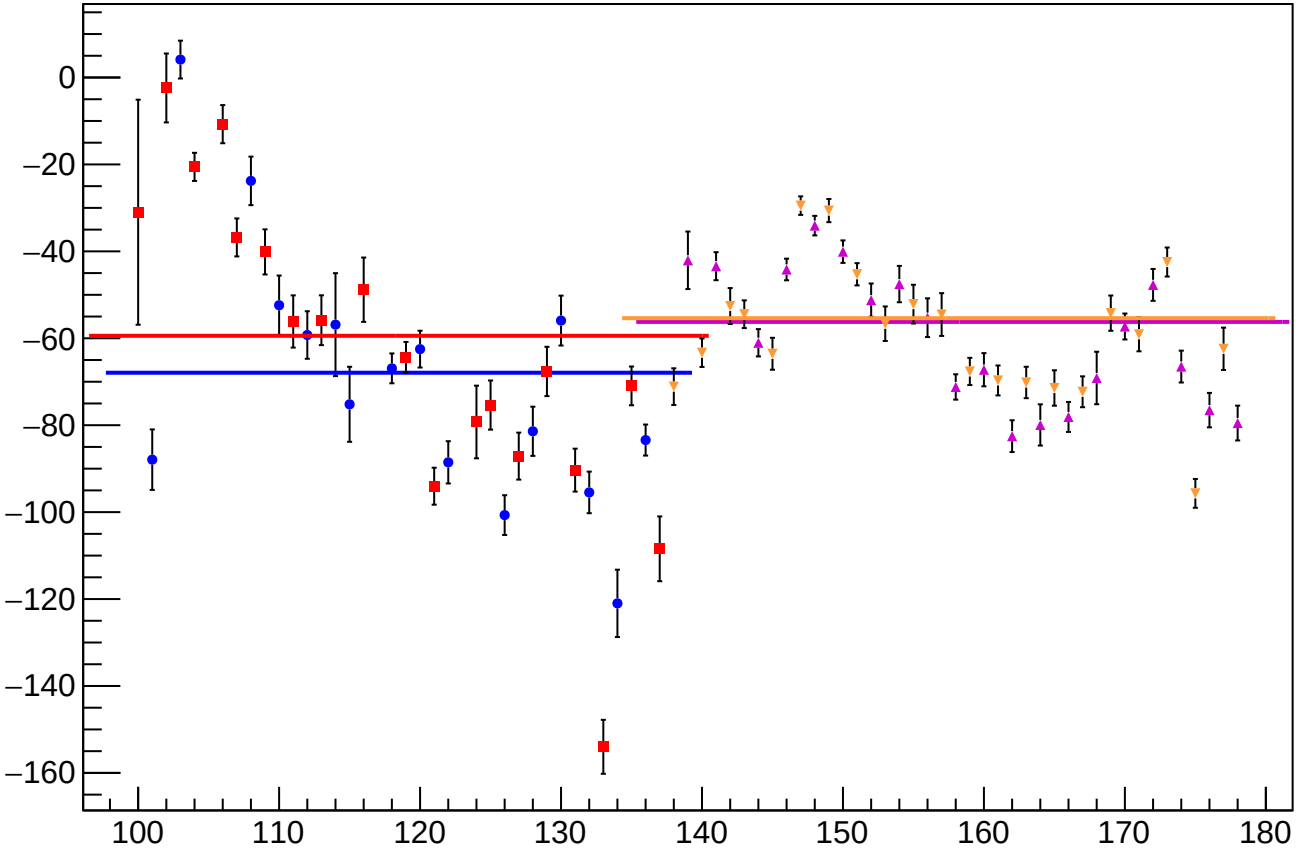
Right: -213.214+/-0.798 χ^2/NDF: 11450.5/34

In: -214.193+/-0.724 χ^2/NDF:5603.8/35

Out: -205.499+/-0.697 χ^2/NDF:7657.4/39

All: -209.684+/-0.502 χ^2/NDF: 13336.1/75

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -55.380+/-0.745 χ^2/NDF:529.2/20

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

Left In: -56.236+/-0.765 χ^2/NDF:418.0/19

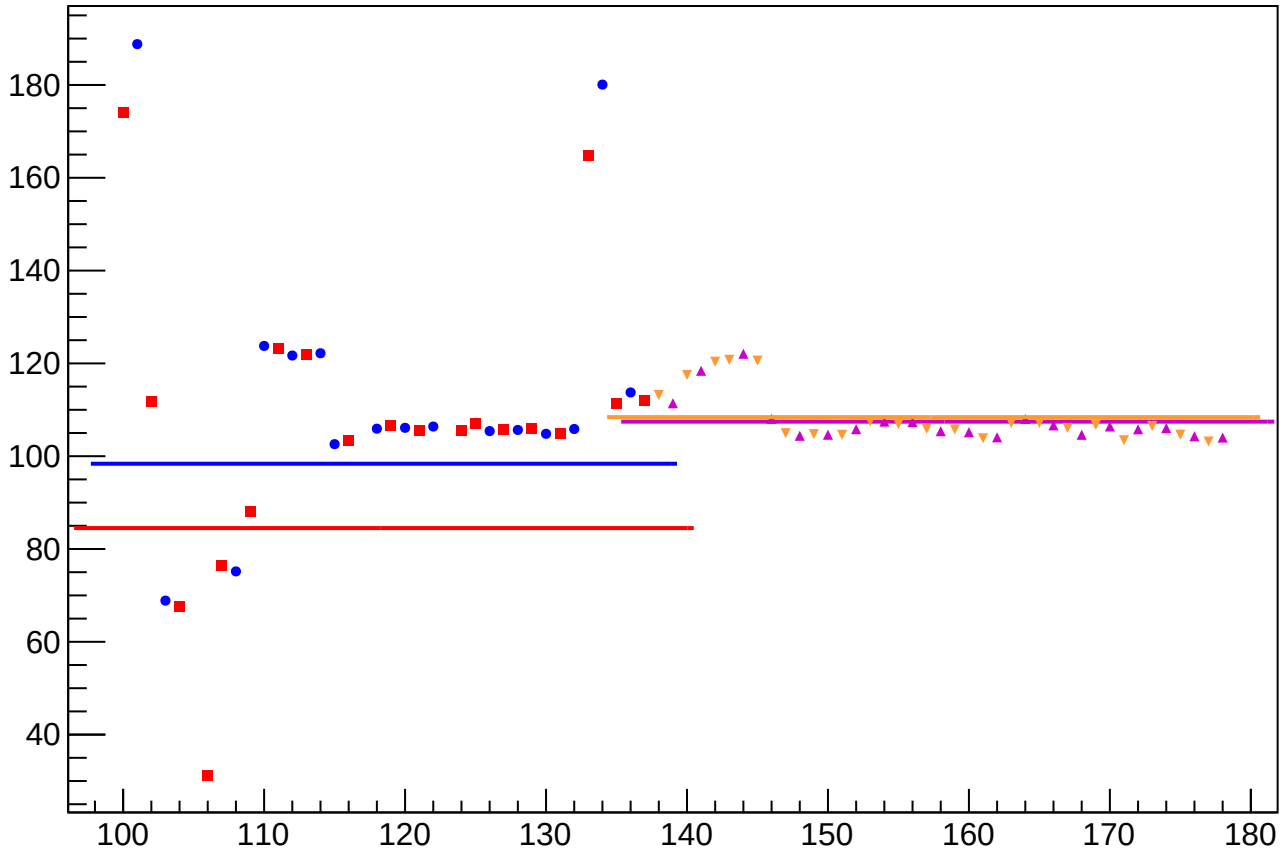
Left: -55.797+/-0.534 χ^2/NDF: 947.9/40

Right: -63.353+/-0.869 χ^2/NDF: 1352.7/34

In: -59.319+/-0.656 χ^2/NDF:1013.6/35

Out: -56.528+/-0.631 χ^2/NDF:1332.4/39

All: -57.868+/-0.455 χ^2/NDF: 2355.5/75



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: 107.444+/-0.035 χ^2/NDF:16476.8/19

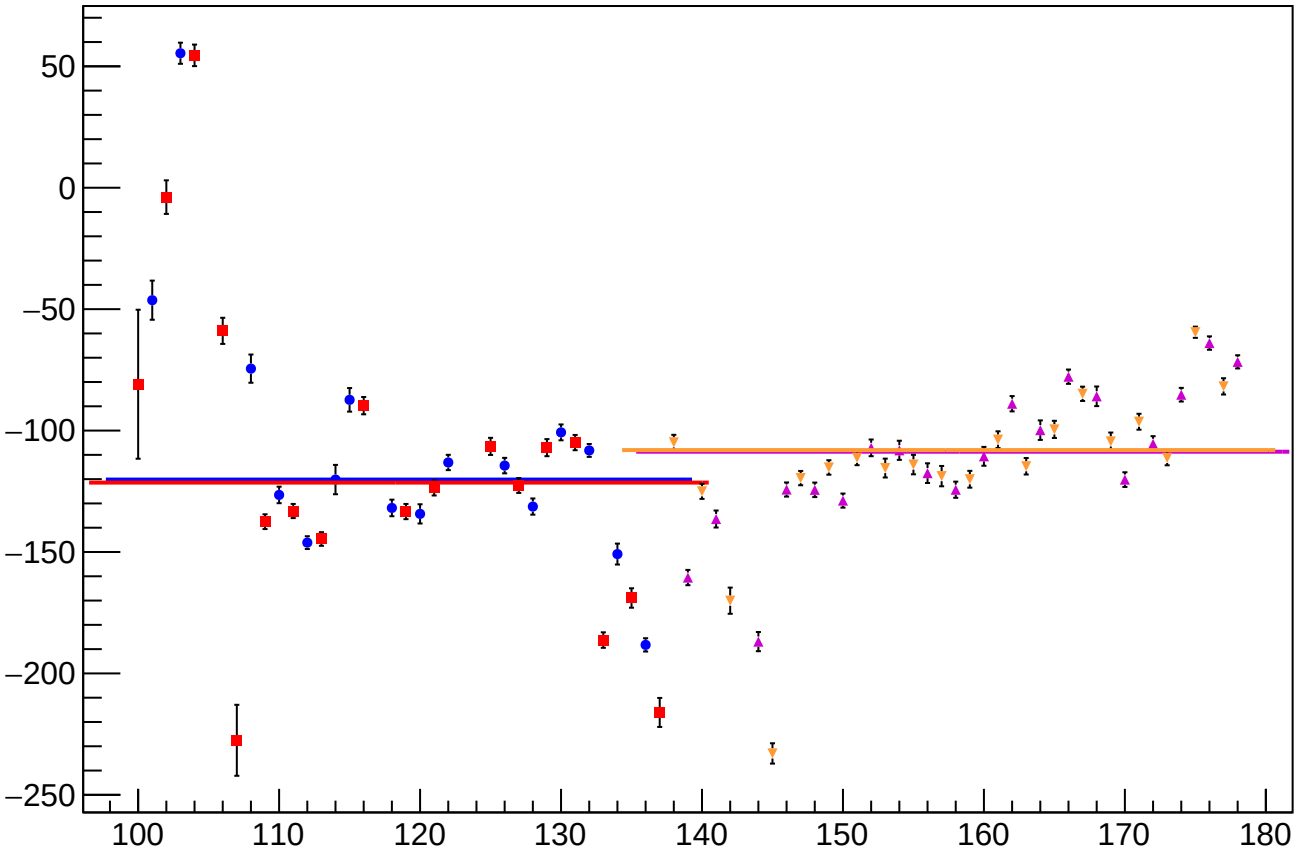
Left: 107.931+/-0.025 χ^2/NDF: 42584.6/40

Right: 90.854+/-0.045 χ^2/NDF: 521250.8/34

In: 105.452+/-0.031 χ^2/NDF:259604.3/35

Out: 102.406+/-0.030 χ^2/NDF:411013.5/39

All: 103.901+/-0.022 χ^2/NDF: 675544.6/75



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -108.037+/-0.741 χ^2/NDF:1692.1/19

Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: -108.702+/-0.725 χ^2/NDF:1575.3/19

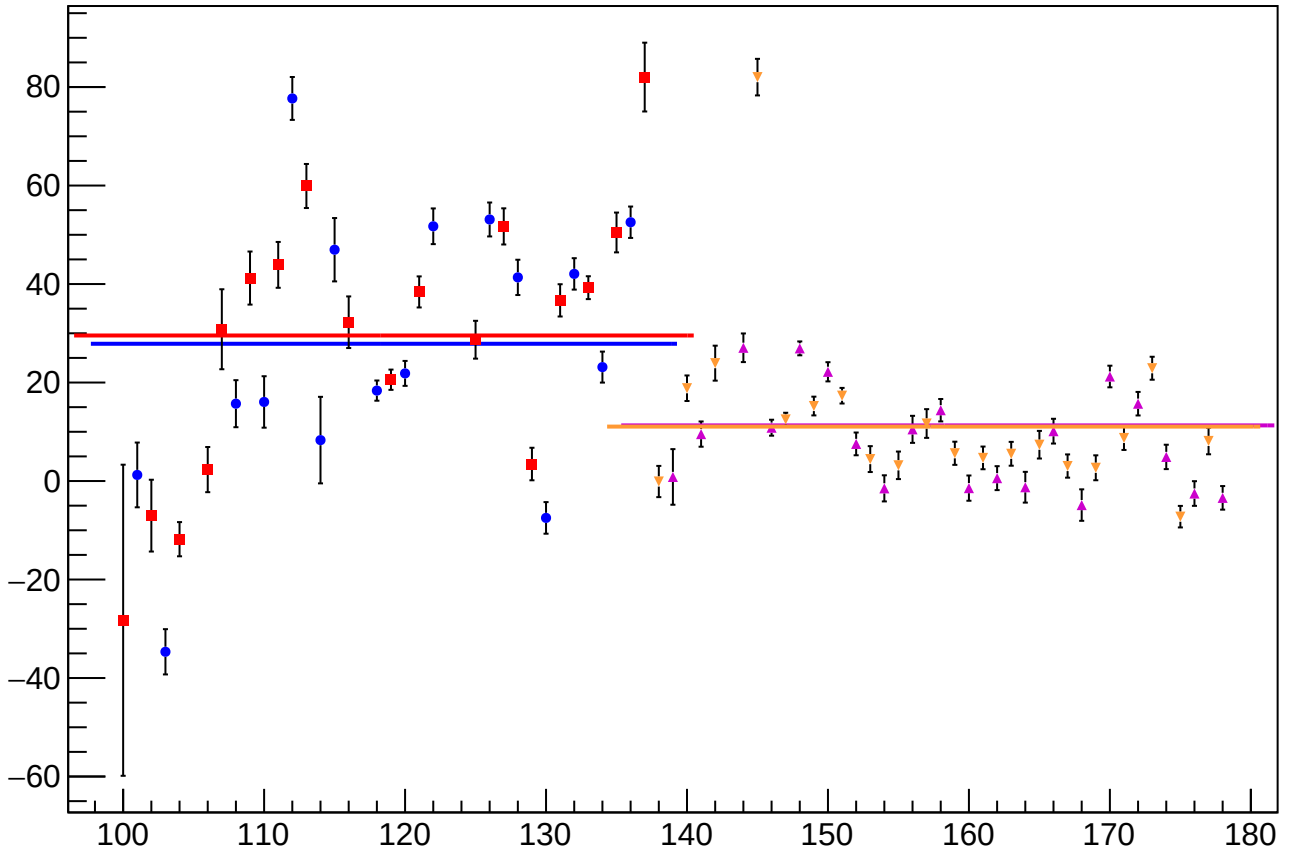
Left: -108.377+/-0.518 χ^2/NDF: 3267.8/39

Right: -120.808+/-0.624 χ^2/NDF: 5818.5/33

In: -113.276+/-0.562 χ^2/NDF:4366.4/35

Out: -113.624+/-0.566 χ^2/NDF:4954.5/37

All: -113.449+/-0.399 χ^2/NDF: 9321.1/73



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: 11.298+/-0.522 χ^2/NDF:400.4/19

Left: 11.176+/-0.368 χ^2/NDF: 976.2/39

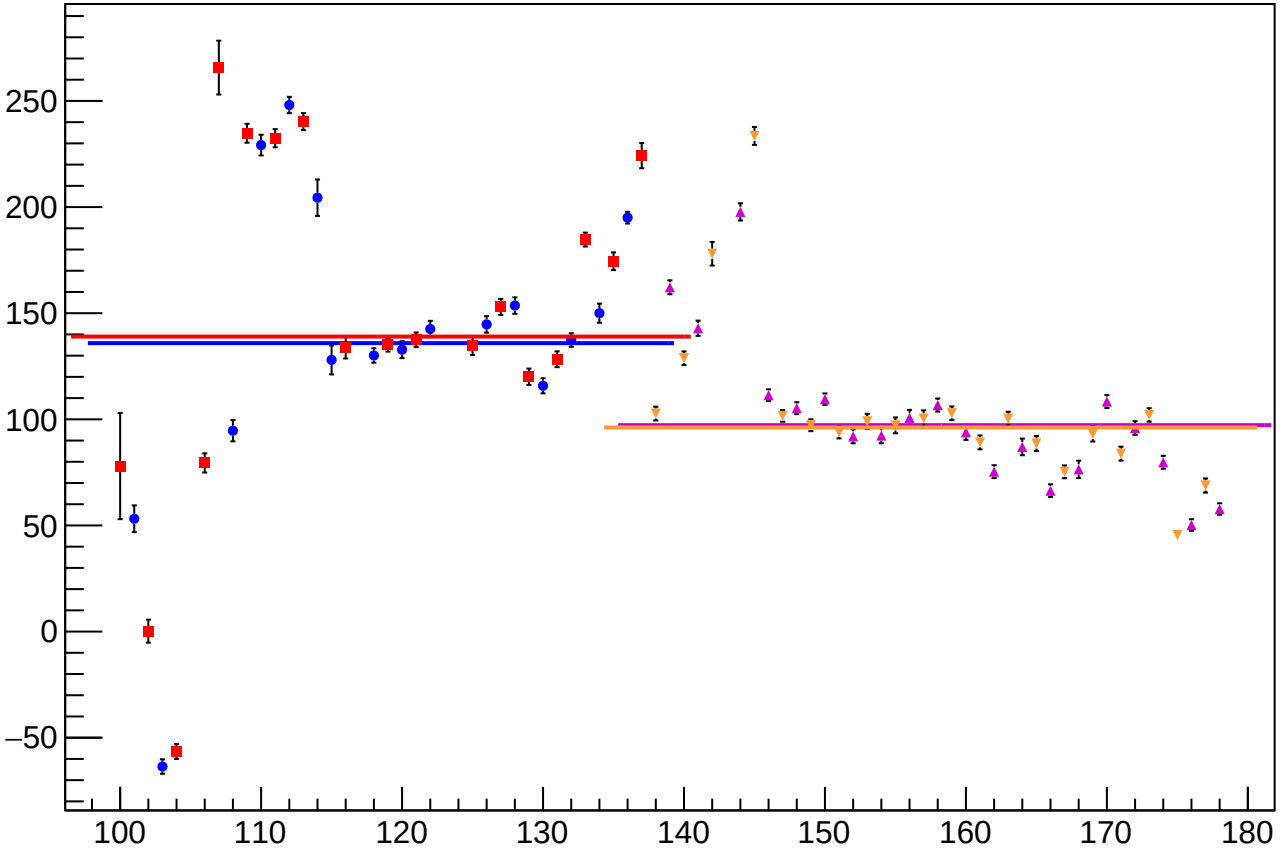
Right: 28.711+/-0.629 χ^2/NDF: 1198.9/33

In: 15.557+/-0.450 χ^2/NDF:1358.8/35

Out: 15.754+/-0.448 χ^2/NDF:1395.6/37

All: 15.656+/-0.318 χ^2/NDF: 2754.5/73

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: 97.251+/-0.712 χ^2/NDF:1983.3/19

Left: 96.714+/-0.508 χ^2/NDF: 4010.1/39

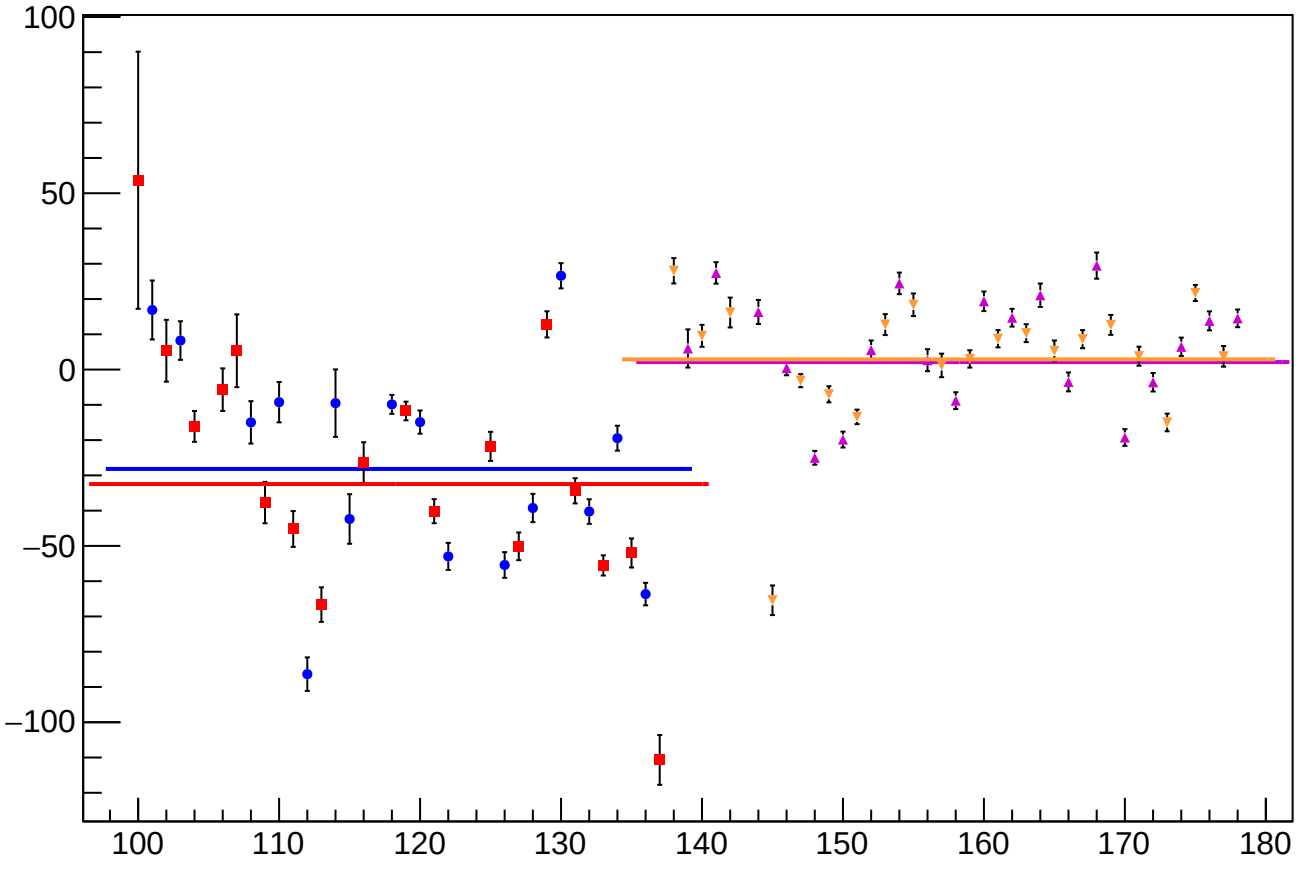
Right: 137.434+/-0.706 χ^2/NDF: 11624.9/33

In: 110.261+/-0.579 χ^2/NDF:8439.8/35

Out: 110.966+/-0.587 χ^2/NDF:9386.2/37

All: 110.609+/-0.412 χ^2/NDF: 17826.7/73

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: 2.131+/-0.598 χ^2/NDF:736.7/19

Left: 2.510+/-0.423 χ^2/NDF: 1342.5/39

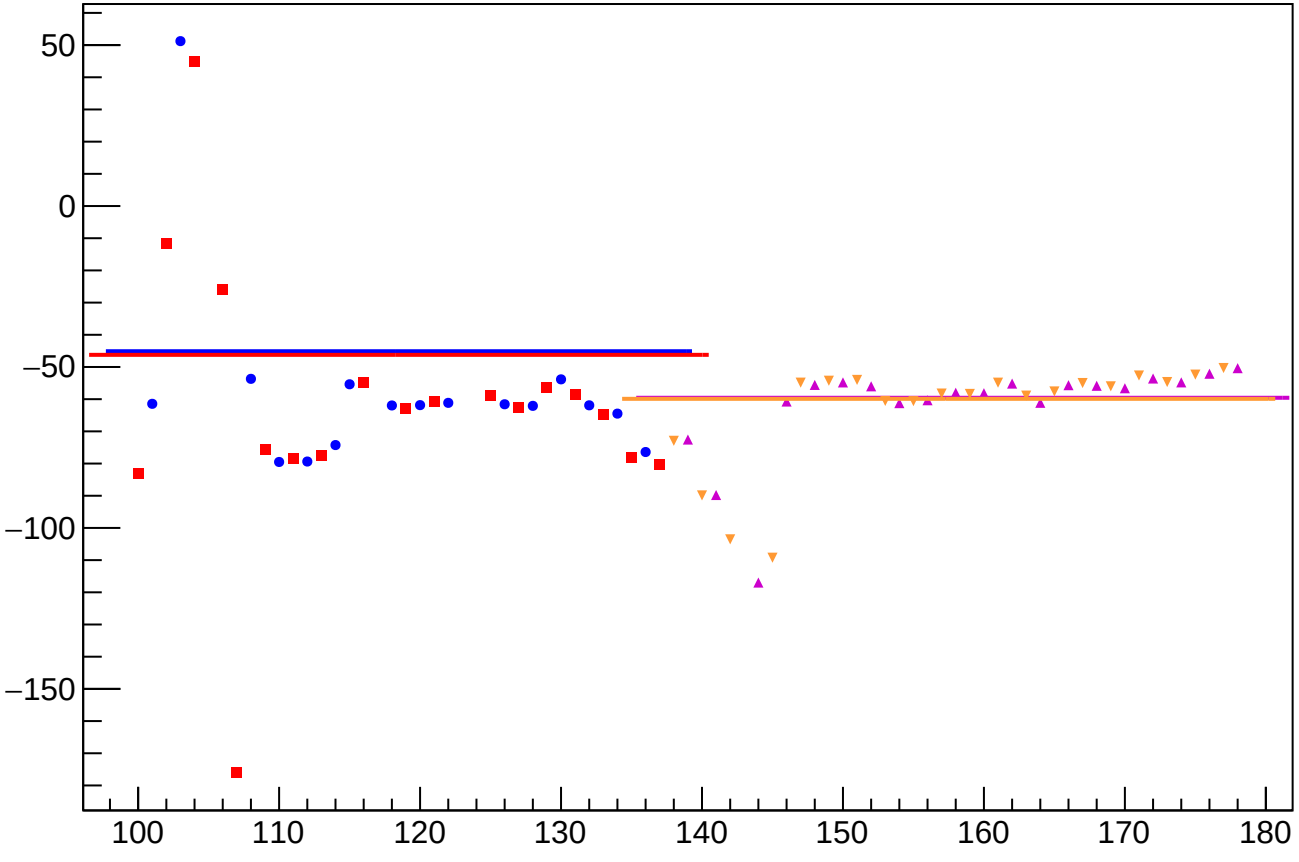
Right: -30.307+/-0.725 χ^2/NDF: 1380.8/33

In: -5.596+/-0.516 χ^2/NDF:2182.7/35

Out: -6.064+/-0.517 χ^2/NDF:2069.8/37

All: -5.830+/-0.365 χ^2/NDF: 4253.0/73

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -45.106+/-0.060 χ^2/NDF: 575184.2/15

Left Out: -59.893+/-0.028 χ^2/NDF:209079.2/19

Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

Left In: -59.565+/-0.027 χ^2/NDF:177295.3/19

Left: -59.725+/-0.019 χ^2/NDF: 386447.0/39

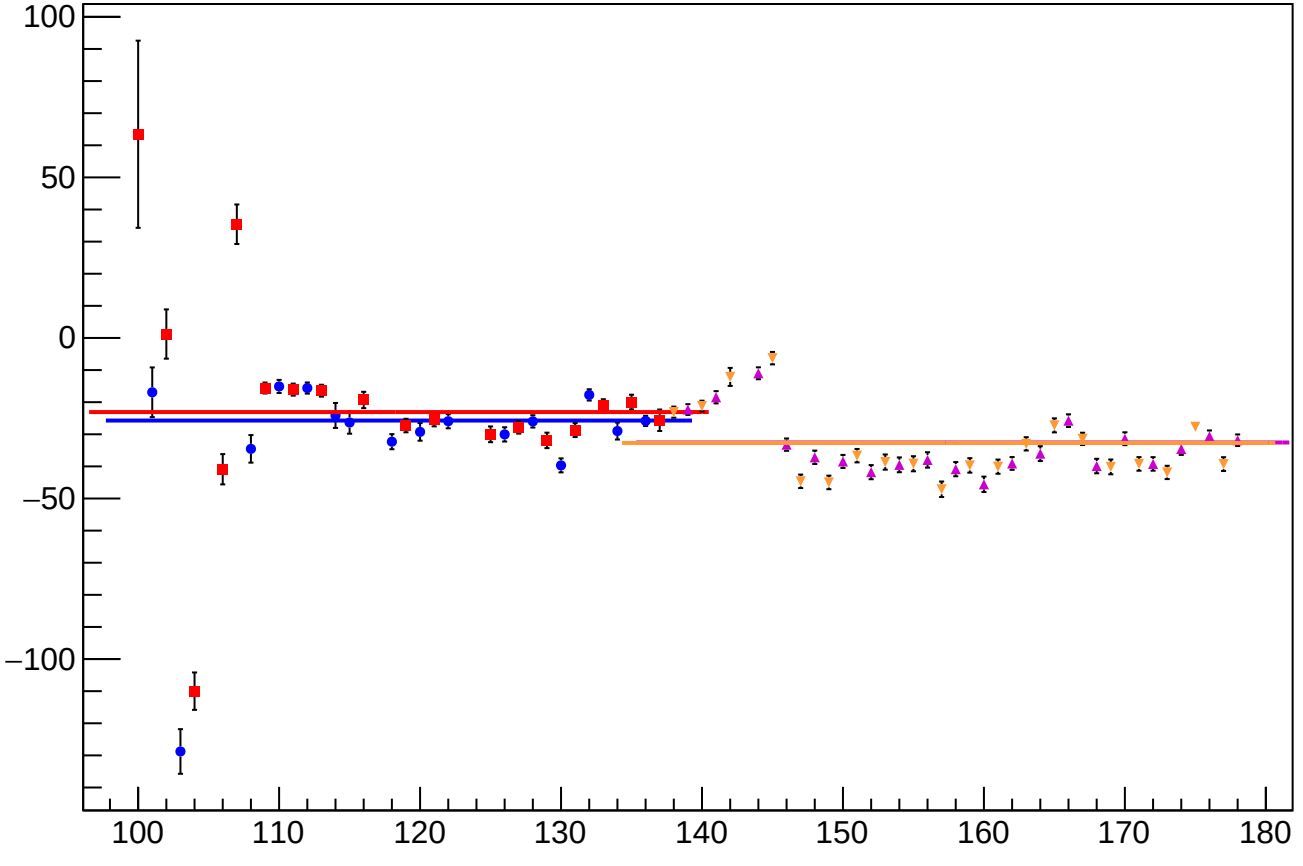
Right: -45.645+/-0.043 χ^2/NDF: 1068967.9/33

In: -57.159+/-0.025 χ^2/NDF:800674.4/35

Out: -57.680+/-0.025 χ^2/NDF:742641.5/37

All: -57.413+/-0.018 χ^2/NDF: 1543536.2/73

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: -32.552+/-0.453 χ^2/NDF:363.9/19

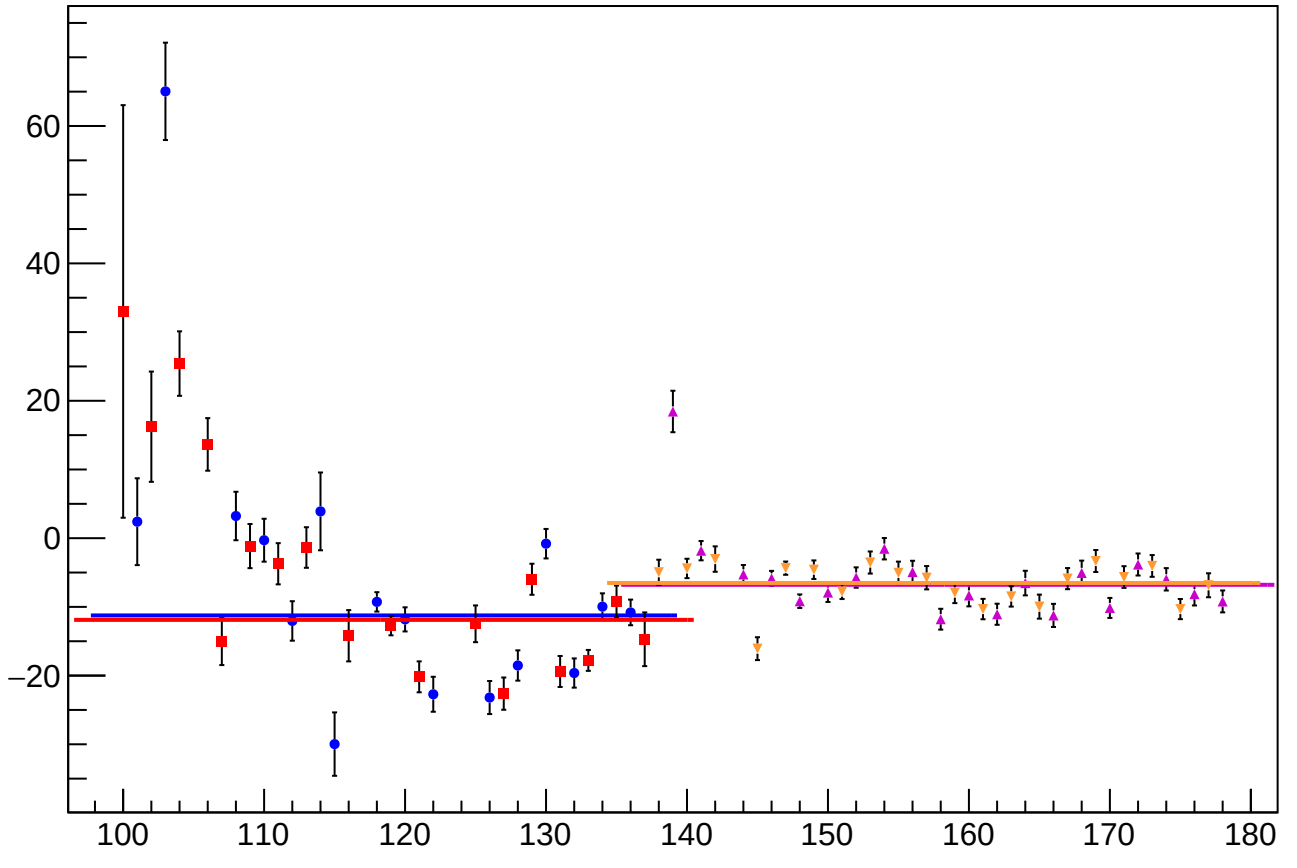
Left: -32.620+/-0.323 χ^2/NDF: 886.4/39

Right: -24.381+/-0.414 χ^2/NDF: 810.3/33

In: -30.021+/-0.359 χ^2/NDF:811.2/35

Out: -28.974+/-0.362 χ^2/NDF:1126.9/37

All: -29.501+/-0.255 χ^2/NDF: 1942.4/73



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: -6.787+/-0.333 χ^2/NDF:143.6/19

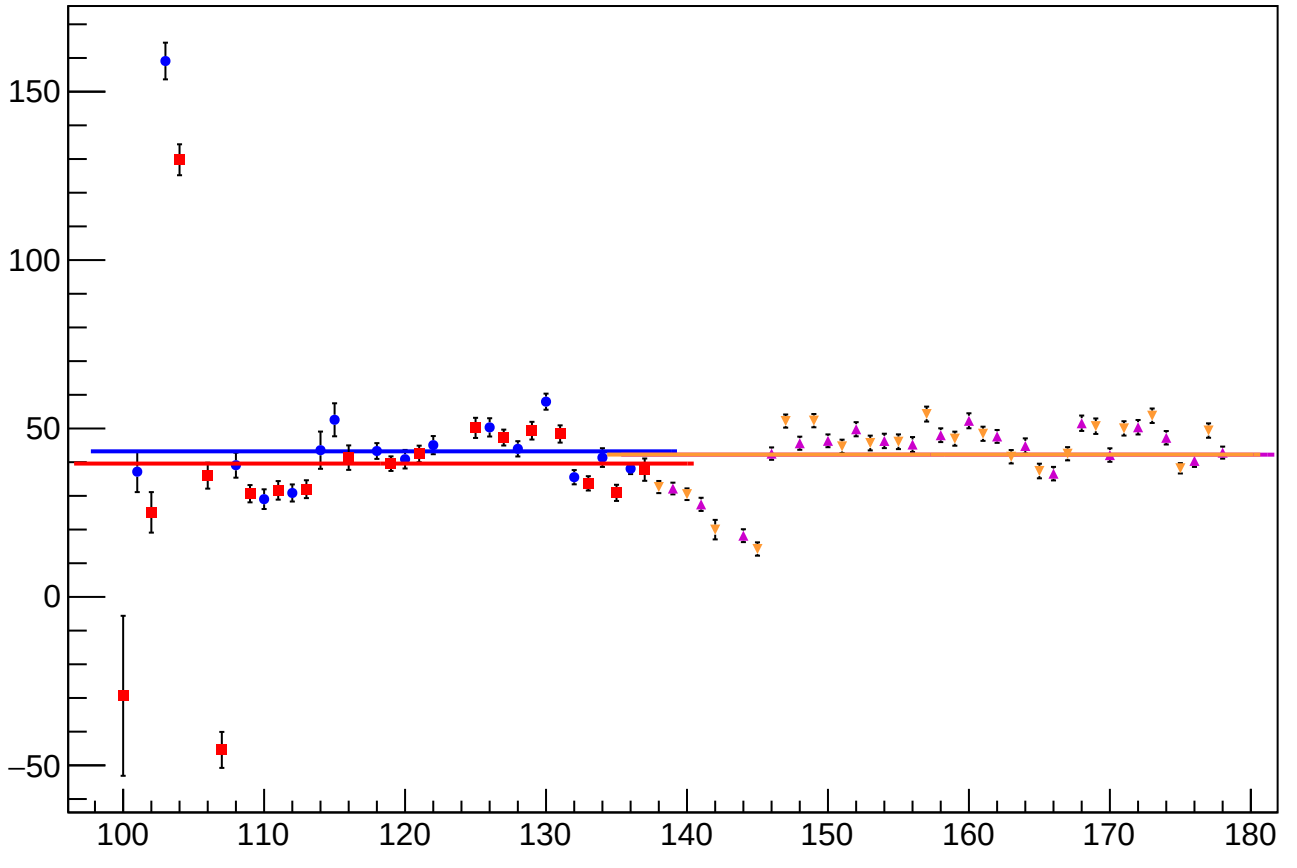
Left: -6.651+/-0.235 χ^2/NDF: 222.9/39

Right: -11.564+/-0.427 χ^2/NDF: 496.1/33

In: -7.837+/-0.291 χ^2/NDF:456.9/35

Out: -7.751+/-0.291 χ^2/NDF:363.8/37

All: -7.794+/-0.206 χ^2/NDF: 820.8/73



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: 42.232+/-0.446 χ^2/NDF:358.3/19

Left: 42.248+/-0.318 χ^2/NDF: 873.3/39

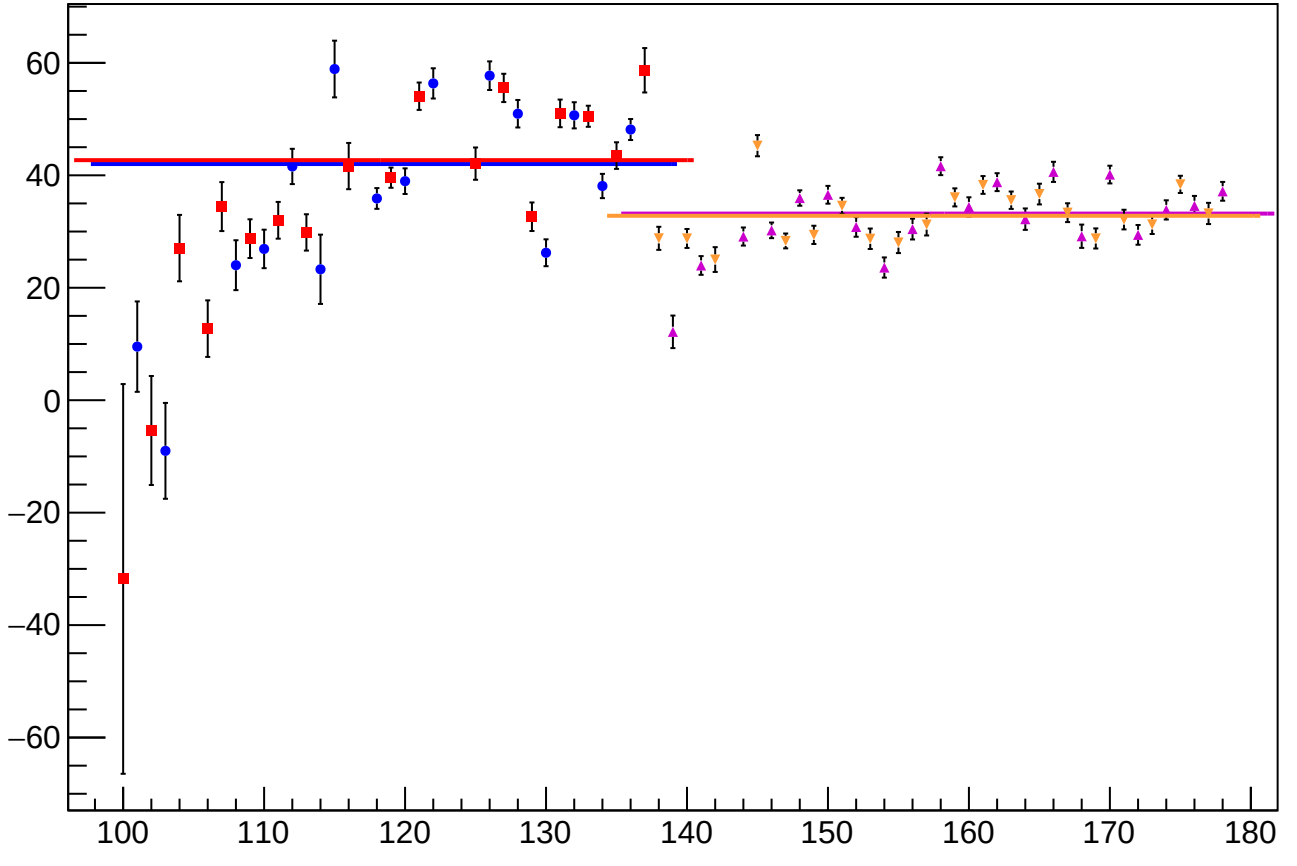
Right: 41.422+/-0.482 χ^2/NDF: 1344.2/33

In: 42.531+/-0.372 χ^2/NDF:935.7/35

Out: 41.447+/-0.379 χ^2/NDF:1279.7/37

All: 41.997+/-0.265 χ^2/NDF: 2219.6/73

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.006+/-0.684 χ^2/NDF: 272.7/15

Left Out: 32.803+/-0.380 χ^2/NDF:138.6/19

Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 33.191+/-0.380 χ^2/NDF:228.2/19

Left: 32.997+/-0.269 χ^2/NDF: 367.2/39

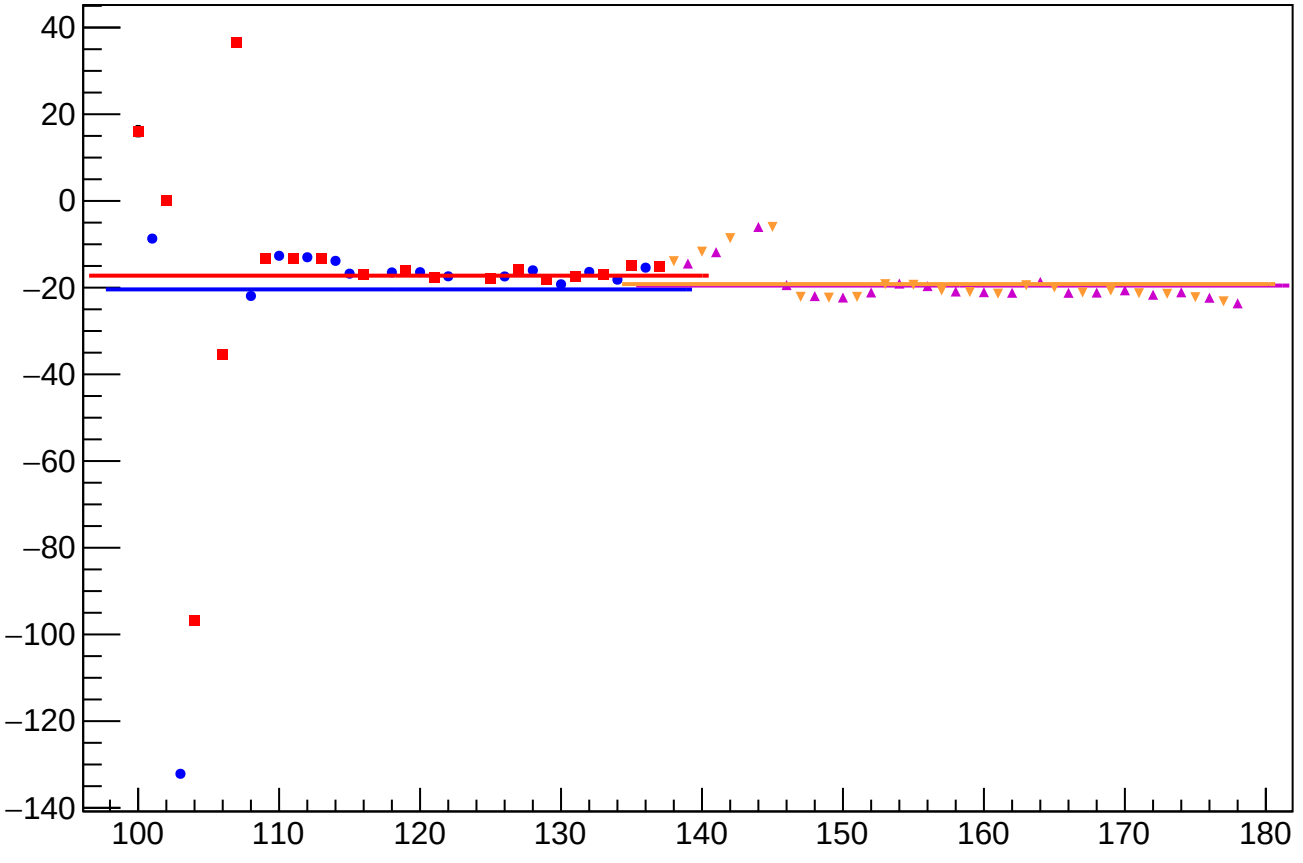
Right: 42.345+/-0.487 χ^2/NDF: 503.5/33

In: 35.267+/-0.332 χ^2/NDF:627.9/35

Out: 35.081+/-0.333 χ^2/NDF:524.9/37

All: 35.175+/-0.235 χ^2/NDF: 1153.0/73

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: -19.521+/-0.017 χ^2/NDF:51605.6/19

Left: -19.355+/-0.012 χ^2/NDF: 116701.8/39

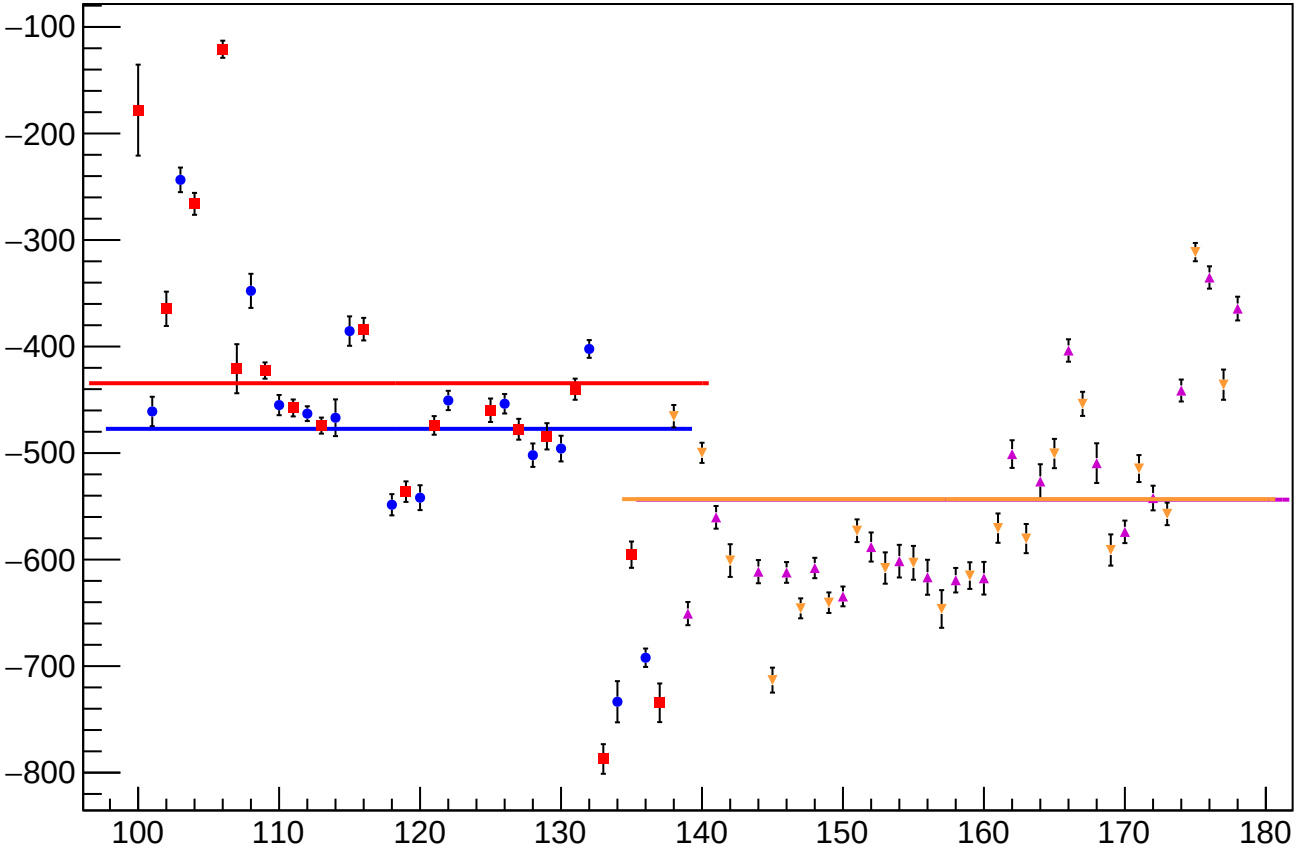
Right: -18.901+/-0.030 χ^2/NDF: 452982.8/33

In: -19.643+/-0.016 χ^2/NDF:297600.8/35

Out: -18.926+/-0.016 χ^2/NDF:271244.2/37

All: -19.294+/-0.011 χ^2/NDF: 569877.9/73

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -477.255+/-2.633 χ^2/NDF: 1510.8/15

Left Out: -543.252+/-2.645 χ^2/NDF:1516.4/19

Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

Left In: -543.747+/-2.595 χ^2/NDF:1392.1/19

Left: -543.504+/-1.852 χ^2/NDF: 2908.5/39

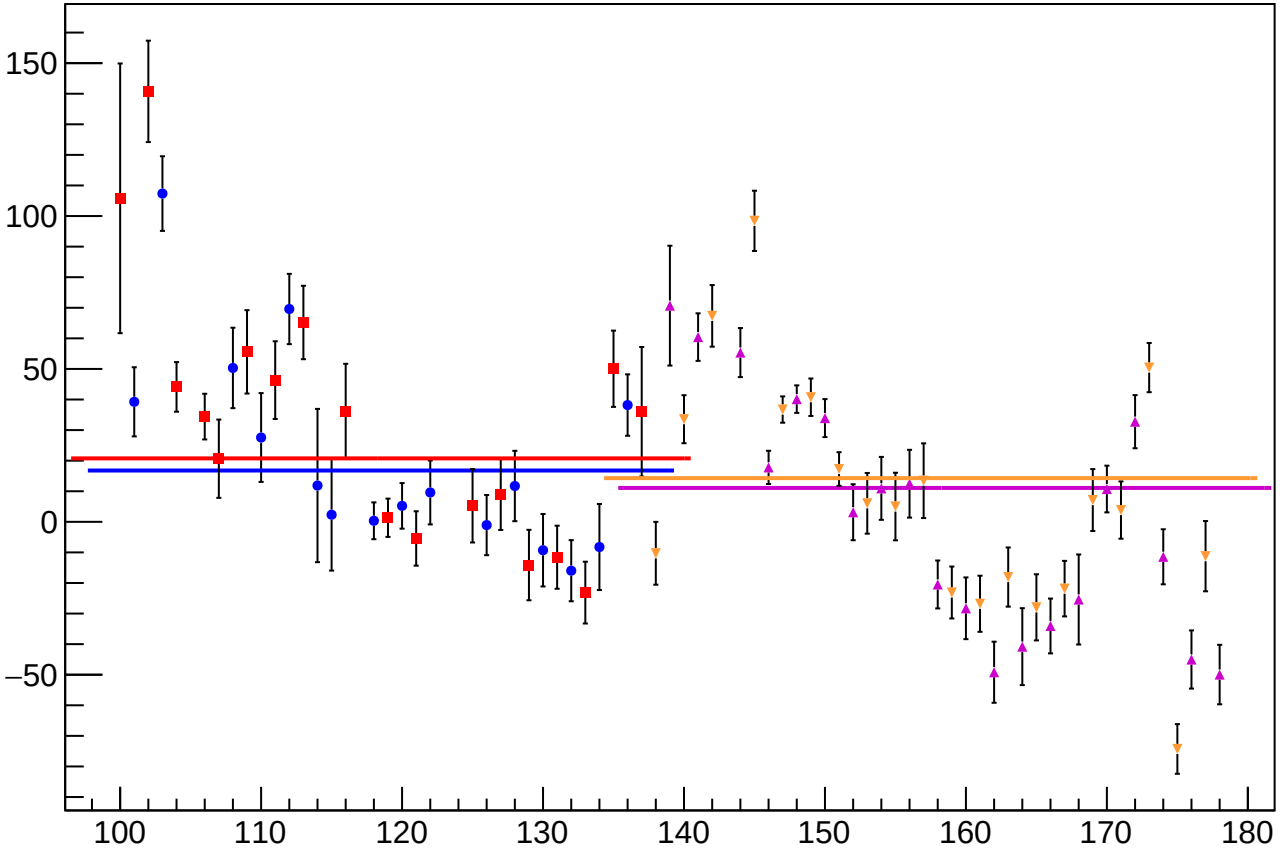
Right: -454.426+/-1.799 χ^2/NDF: 4813.7/33

In: -510.988+/-1.848 χ^2/NDF:3226.4/35

Out: -484.989+/-1.803 χ^2/NDF:5584.4/37

All: -497.666+/-1.291 χ^2/NDF: 8912.3/73

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: 11.086+/-1.835 χ^2/NDF:340.3/19

Left: 12.699+/-1.293 χ^2/NDF: 729.2/39

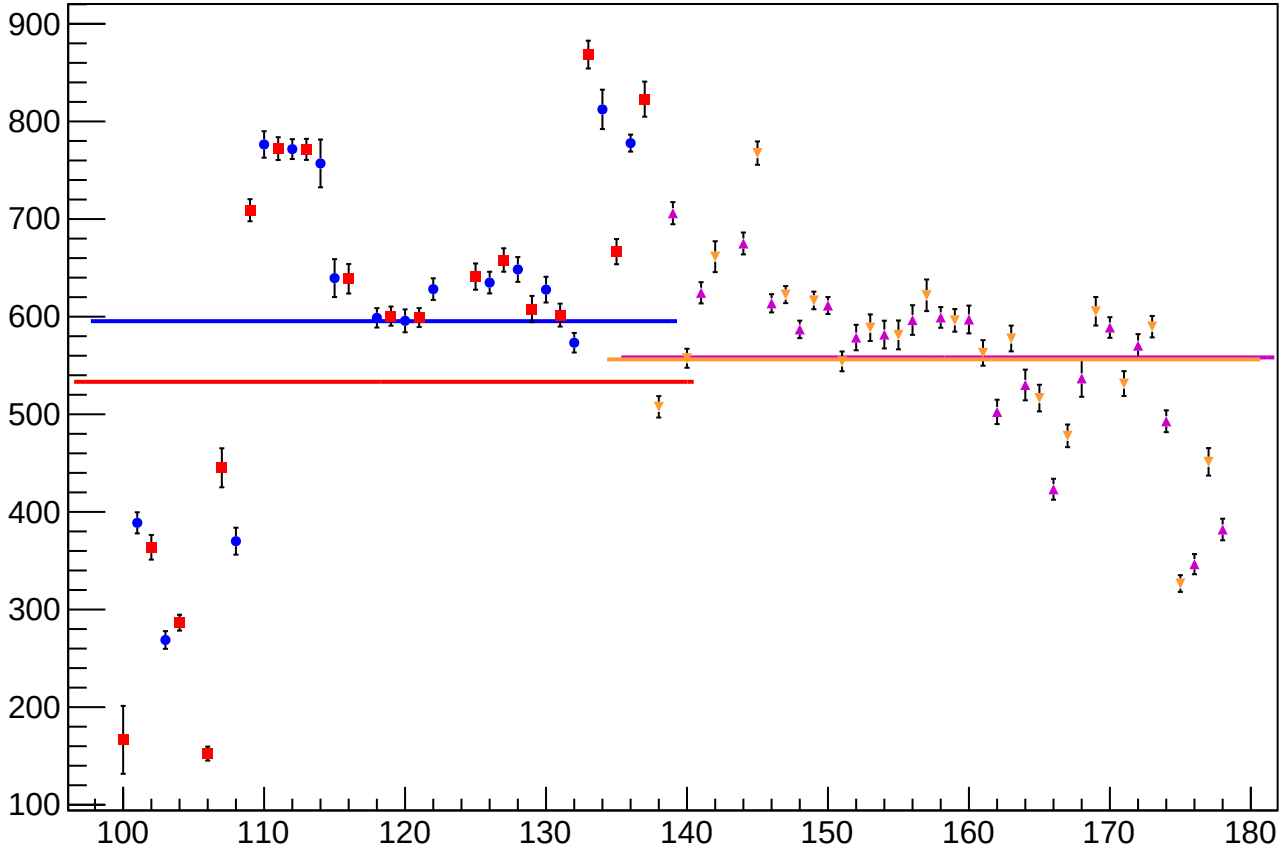
Right: 18.845+/-1.838 χ^2/NDF: 284.1/33

In: 12.926+/-1.509 χ^2/NDF:468.4/35

Out: 16.477+/-1.482 χ^2/NDF:549.5/37

All: 14.733+/-1.058 χ^2/NDF: 1020.8/73

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: 558.260+/-2.548 χ^2/NDF:1331.3/19

Left: 557.277+/-1.818 χ^2/NDF: 2702.2/39

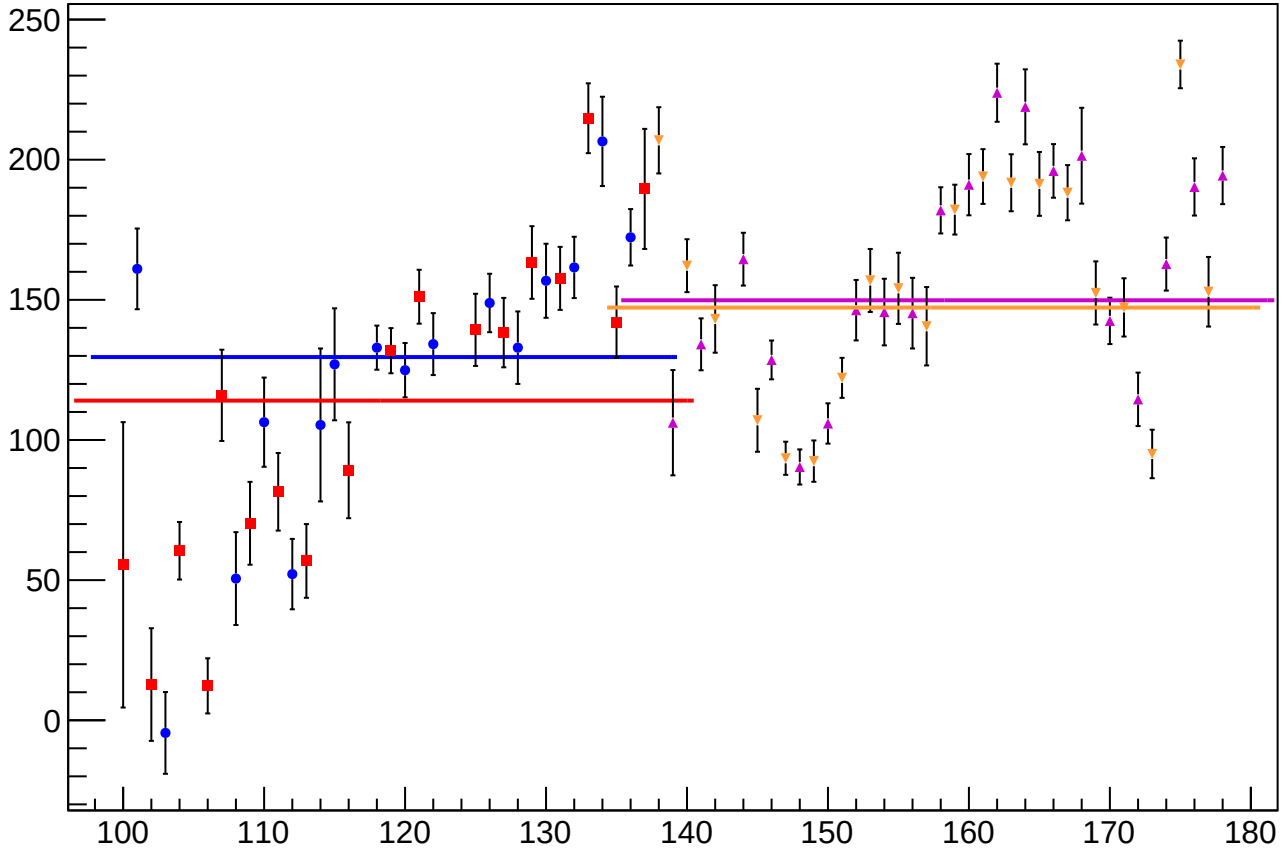
Right: 562.337+/-2.003 χ^2/NDF: 9802.0/33

In: 574.257+/-1.923 χ^2/NDF:4482.6/35

Out: 545.418+/-1.886 χ^2/NDF:7910.4/37

All: 559.562+/-1.346 χ^2/NDF: 12507.7/73

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 129.586+/-3.081 χ^2/NDF: 211.2/15

Left Out: 147.254+/-2.128 χ^2/NDF:423.8/19

Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 149.841+/-2.124 χ^2/NDF:338.4/19

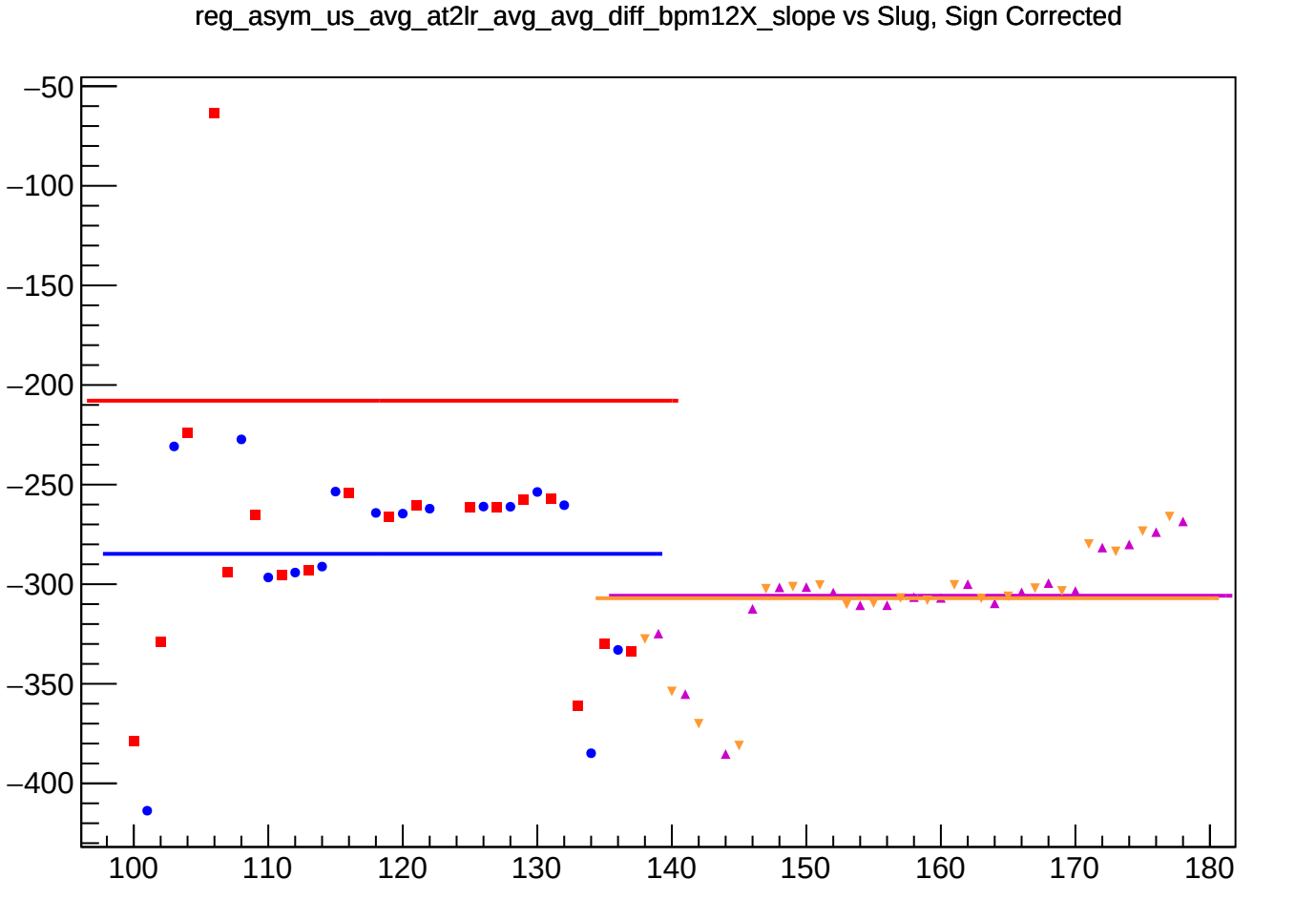
Left: 148.550+/-1.503 χ^2/NDF: 762.9/39

Right: 121.549+/-2.140 χ^2/NDF: 560.3/33

In: 143.317+/-1.748 χ^2/NDF:579.0/35

Out: 136.019+/-1.731 χ^2/NDF:842.1/37

All: 139.631+/-1.230 χ^2/NDF: 1429.8/73



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: -305.785+/-0.097 χ^2/NDF:59374.1/19

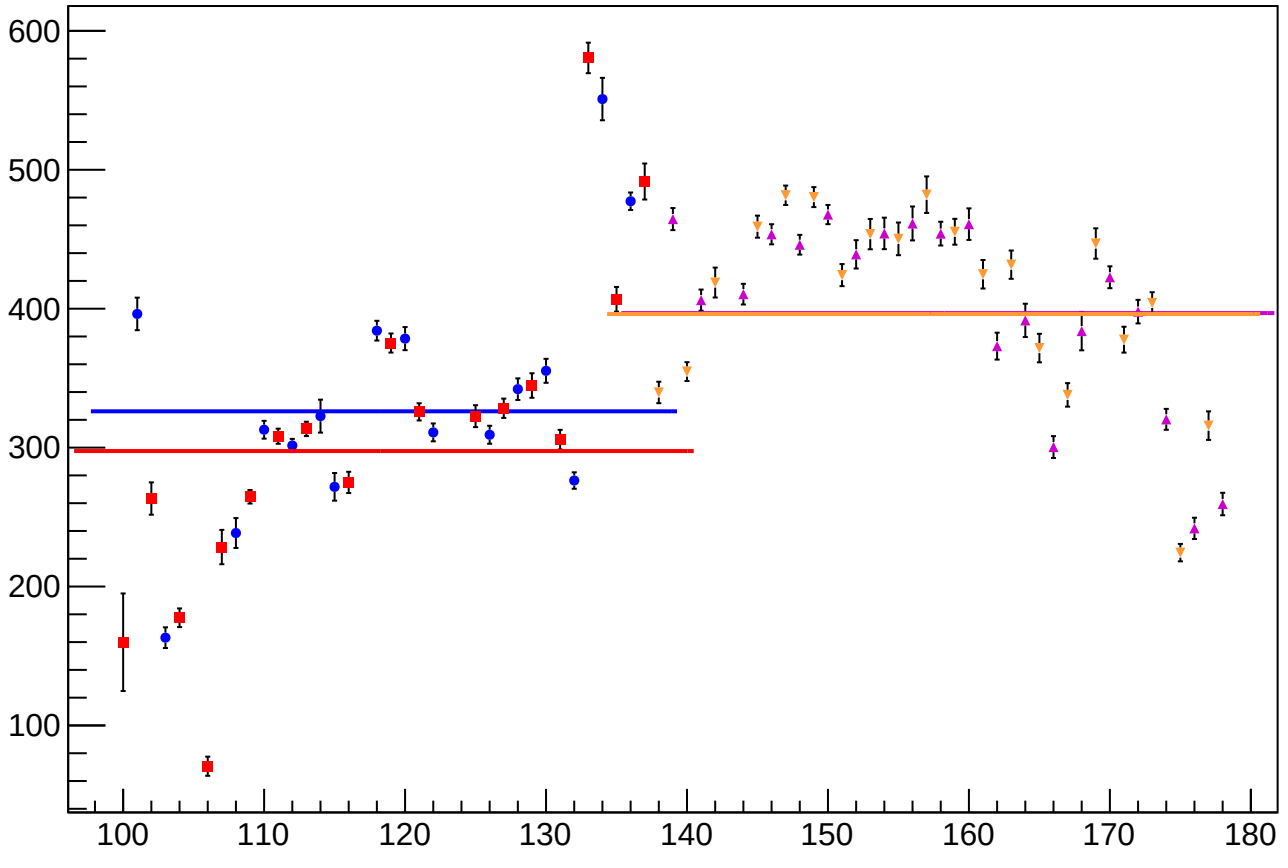
Left: -306.394+/-0.070 χ^2/NDF: 129260.2/39

Right: -239.608+/-0.114 χ^2/NDF: 751214.9/33

In: -300.934+/-0.085 χ^2/NDF:174525.9/35

Out: -276.165+/-0.083 χ^2/NDF:912192.6/37

All: -288.220+/-0.060 χ^2/NDF: 1130007.3/73



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: 396.844+/-1.905 χ^2/NDF:1410.8/19

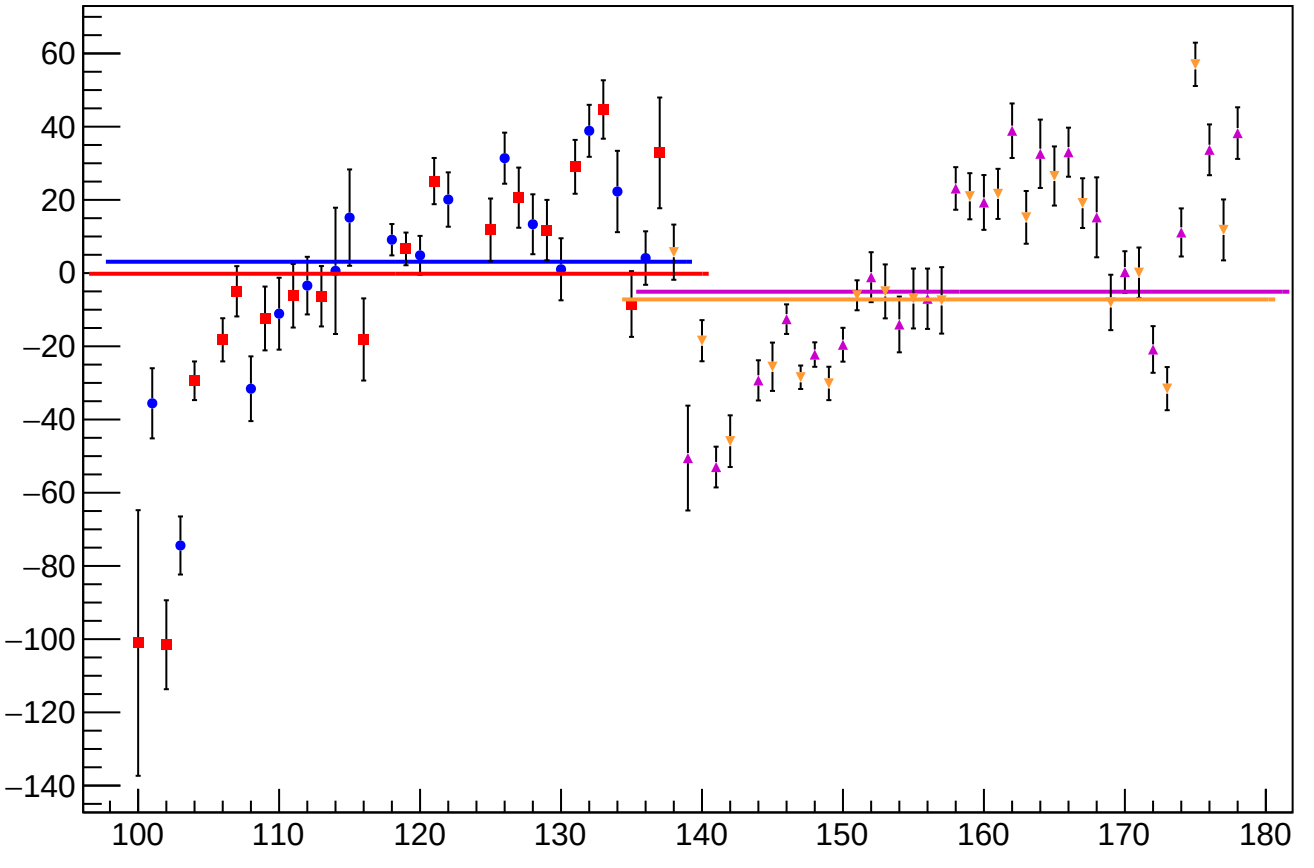
Left: 396.505+/-1.359 χ^2/NDF: 2914.9/39

Right: 310.864+/-1.268 χ^2/NDF: 4545.0/33

In: 360.589+/-1.330 χ^2/NDF:3760.4/35

Out: 341.377+/-1.293 χ^2/NDF:5716.3/37

All: 350.714+/-0.927 χ^2/NDF: 9584.0/73



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: -5.085+/-1.350 χ^2/NDF:348.1/19

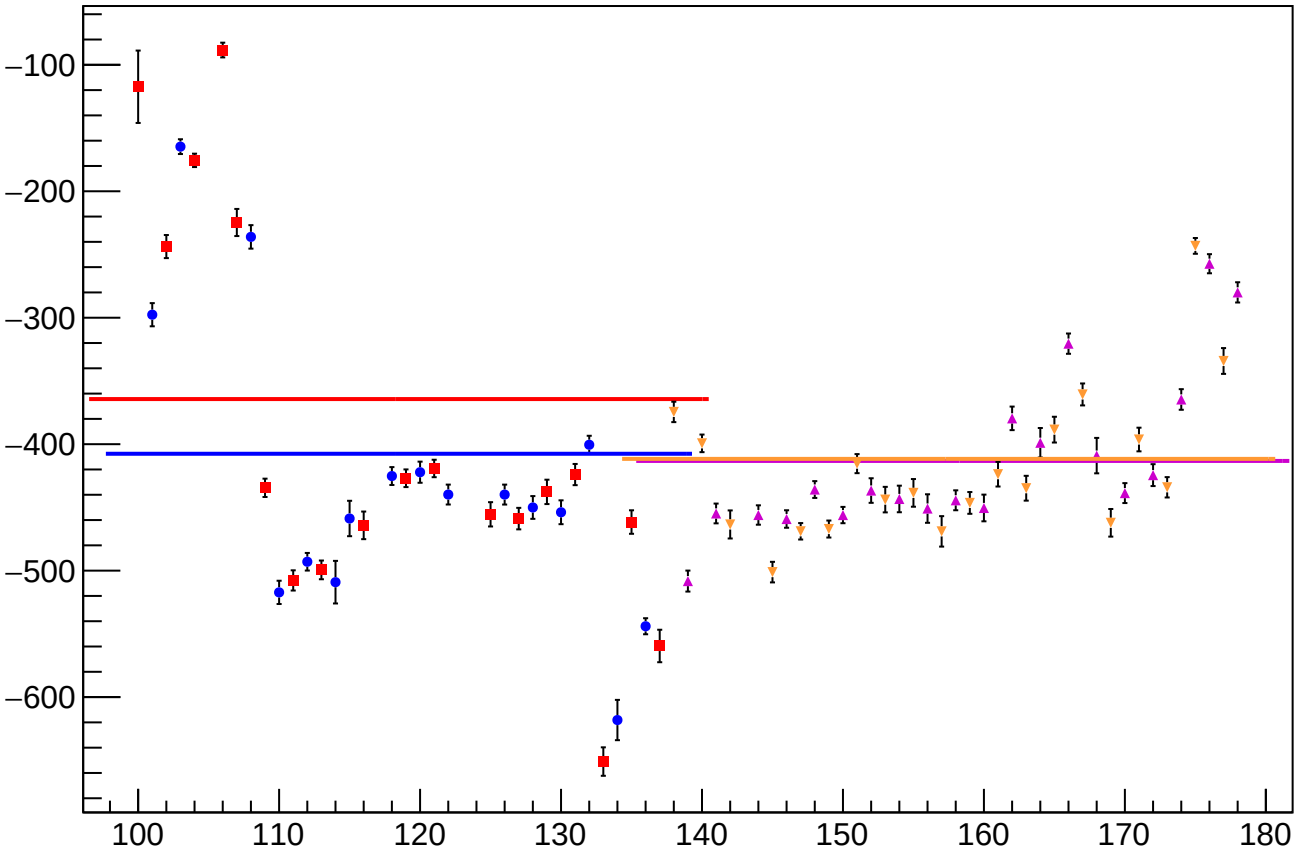
Left: -6.149+/-0.952 χ^2/NDF: 684.8/39

Right: 1.370+/-1.301 χ^2/NDF: 391.3/33

In: -2.323+/-1.099 χ^2/NDF:545.1/35

Out: -4.676+/-1.074 χ^2/NDF:550.4/37

All: -3.527+/-0.768 χ^2/NDF: 1097.9/73



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: -413.245+/-1.872 χ^2/NDF:1242.9/19

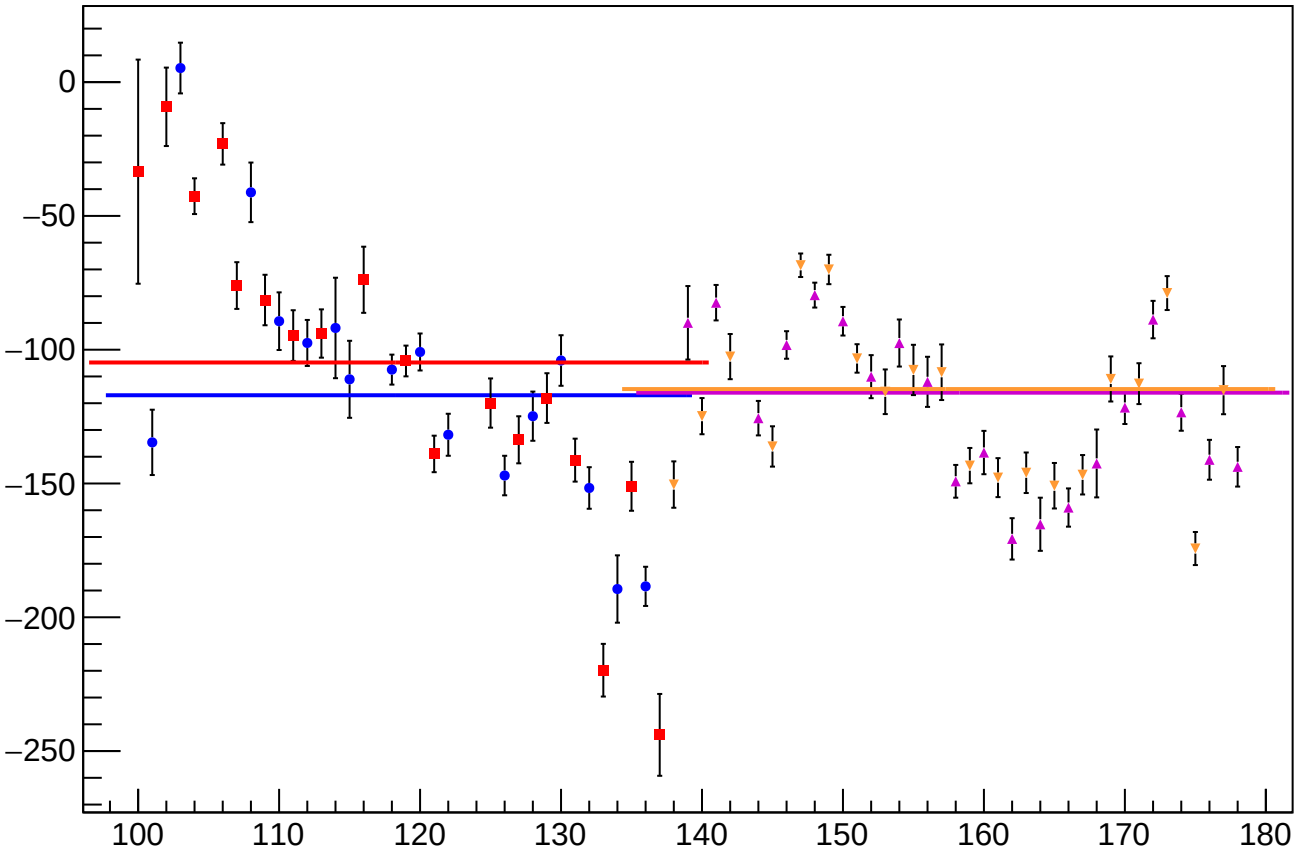
Left: -412.447+/-1.335 χ^2/NDF: 2476.9/39

Right: -384.535+/-1.418 χ^2/NDF: 9732.7/33

In: -410.699+/-1.390 χ^2/NDF:4527.6/35

Out: -388.432+/-1.360 χ^2/NDF:7756.2/37

All: -399.326+/-0.972 χ^2/NDF: 12414.9/73



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: -116.061+/-1.563 χ^2/NDF:329.5/19

Left: -115.387+/-1.106 χ^2/NDF: 760.5/39

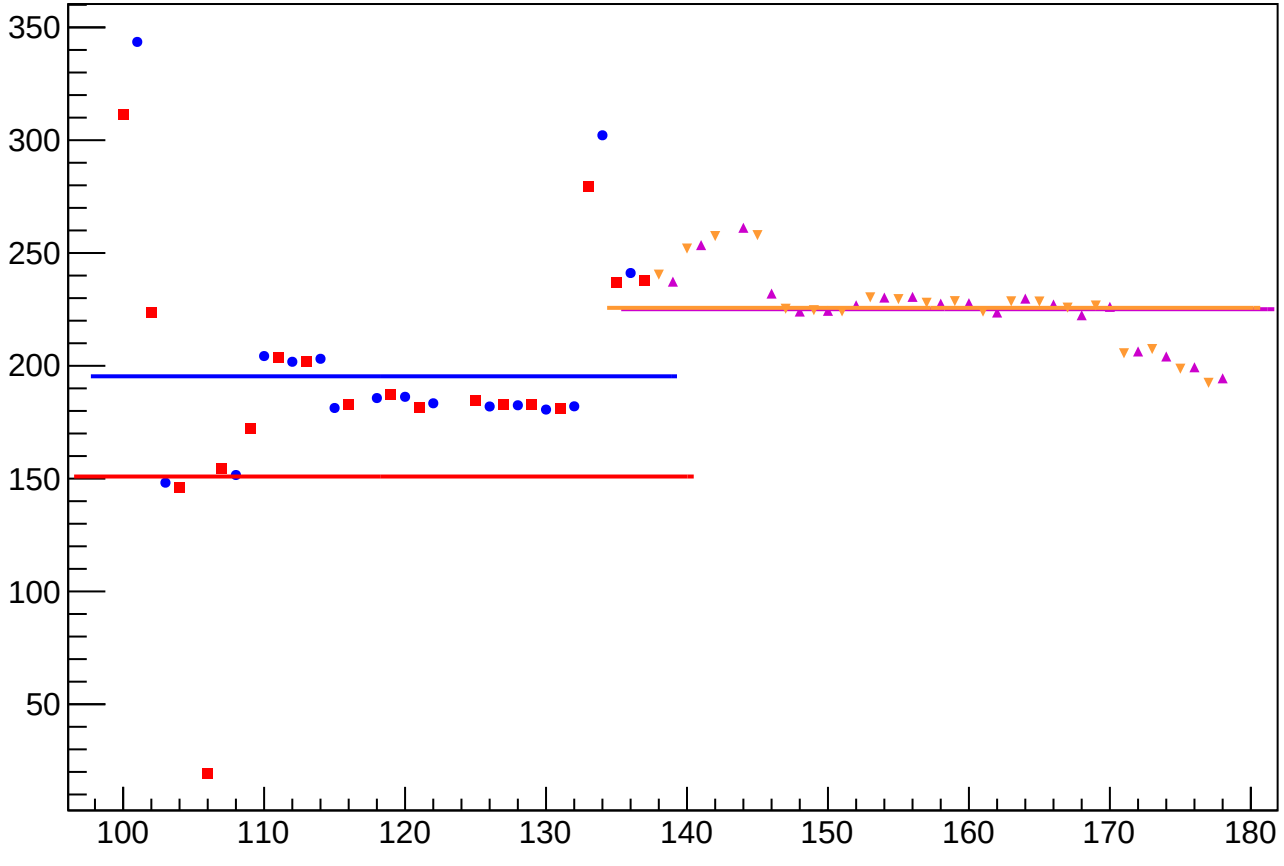
Right: -110.605+/-1.514 χ^2/NDF: 999.2/33

In: -116.384+/-1.273 χ^2/NDF:737.4/35

Out: -111.144+/-1.253 χ^2/NDF:1020.2/37

All: -113.723+/-0.893 χ^2/NDF: 1766.2/73

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: 225.090+/-0.072 χ^2/NDF:45152.7/19

Left: 225.382+/-0.051 χ^2/NDF: 94643.4/39

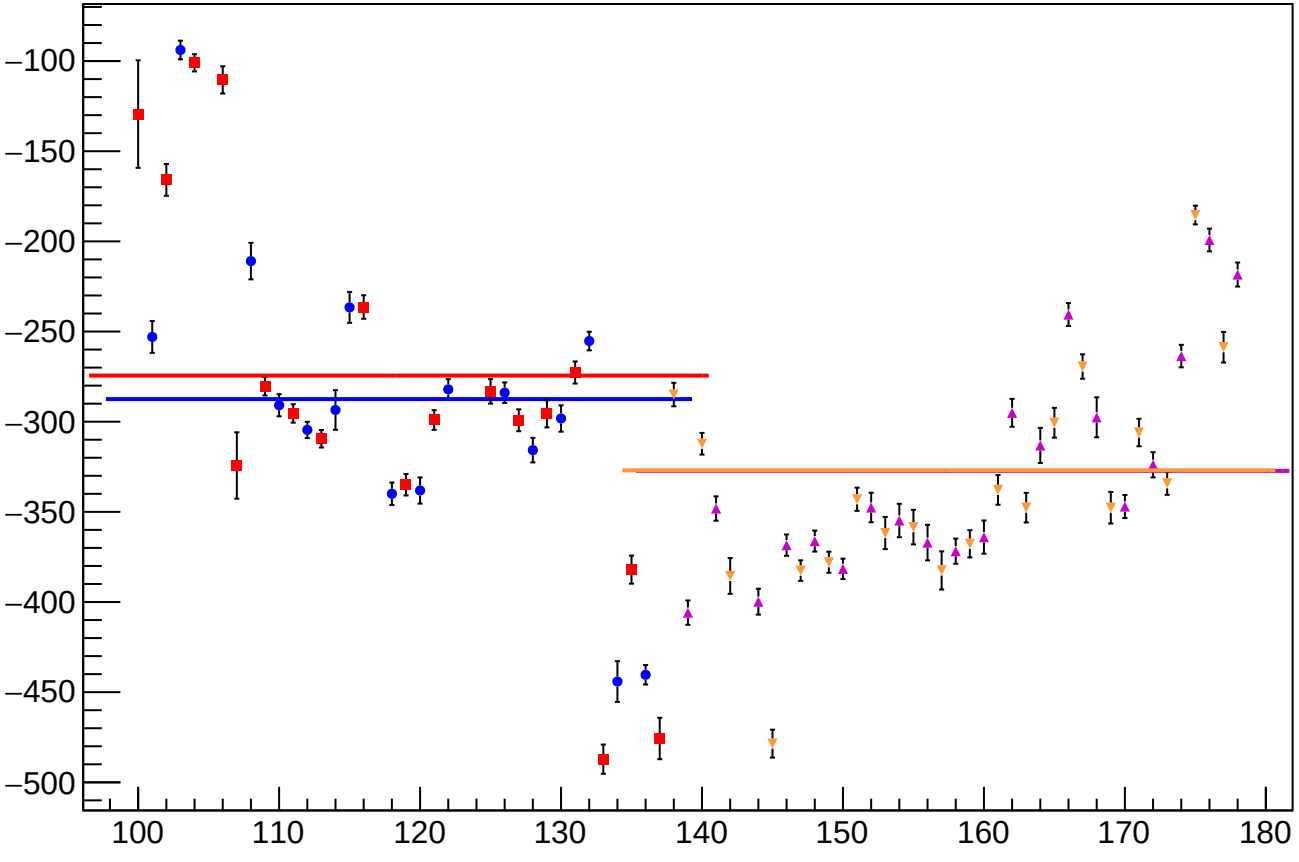
Right: 170.416+/-0.083 χ^2/NDF: 747517.5/33

In: 217.714+/-0.062 χ^2/NDF:264945.1/35

Out: 202.640+/-0.061 χ^2/NDF:867180.2/37

All: 210.068+/-0.044 χ^2/NDF: 1162048.9/73

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -326.957+/-1.613 χ^2/NDF:1644.4/19

Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -327.303+/-1.580 χ^2/NDF:1527.9/19

Left: -327.133+/-1.129 χ^2/NDF: 3172.4/39

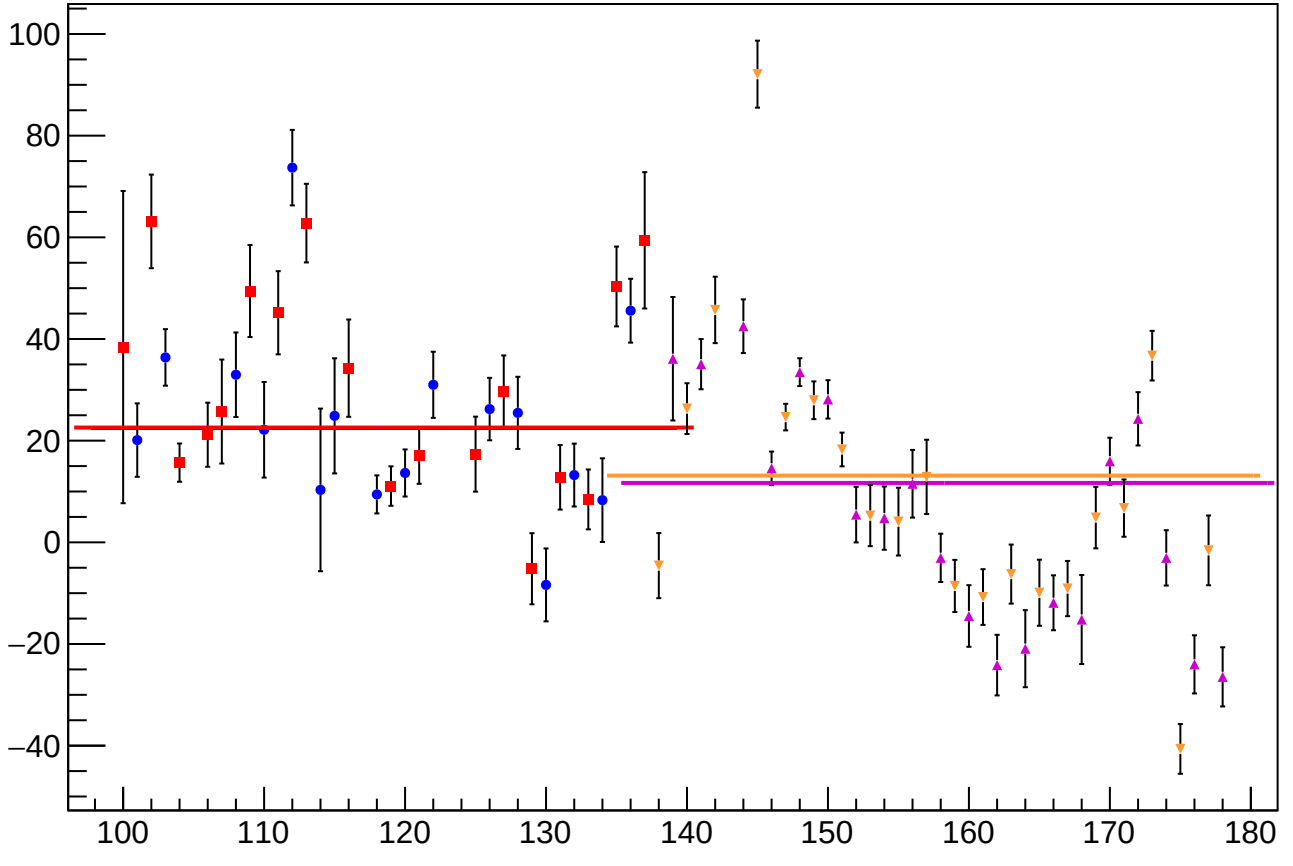
Right: -280.699+/-1.118 χ^2/NDF: 6144.0/33

In: -307.775+/-1.128 χ^2/NDF:4535.8/35

Out: -299.661+/-1.118 χ^2/NDF:5608.9/37

All: -303.681+/-0.794 χ^2/NDF: 10170.9/73

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: 11.686+/-1.117 χ^2/NDF:353.2/19

Left: 12.410+/-0.787 χ^2/NDF: 807.6/39

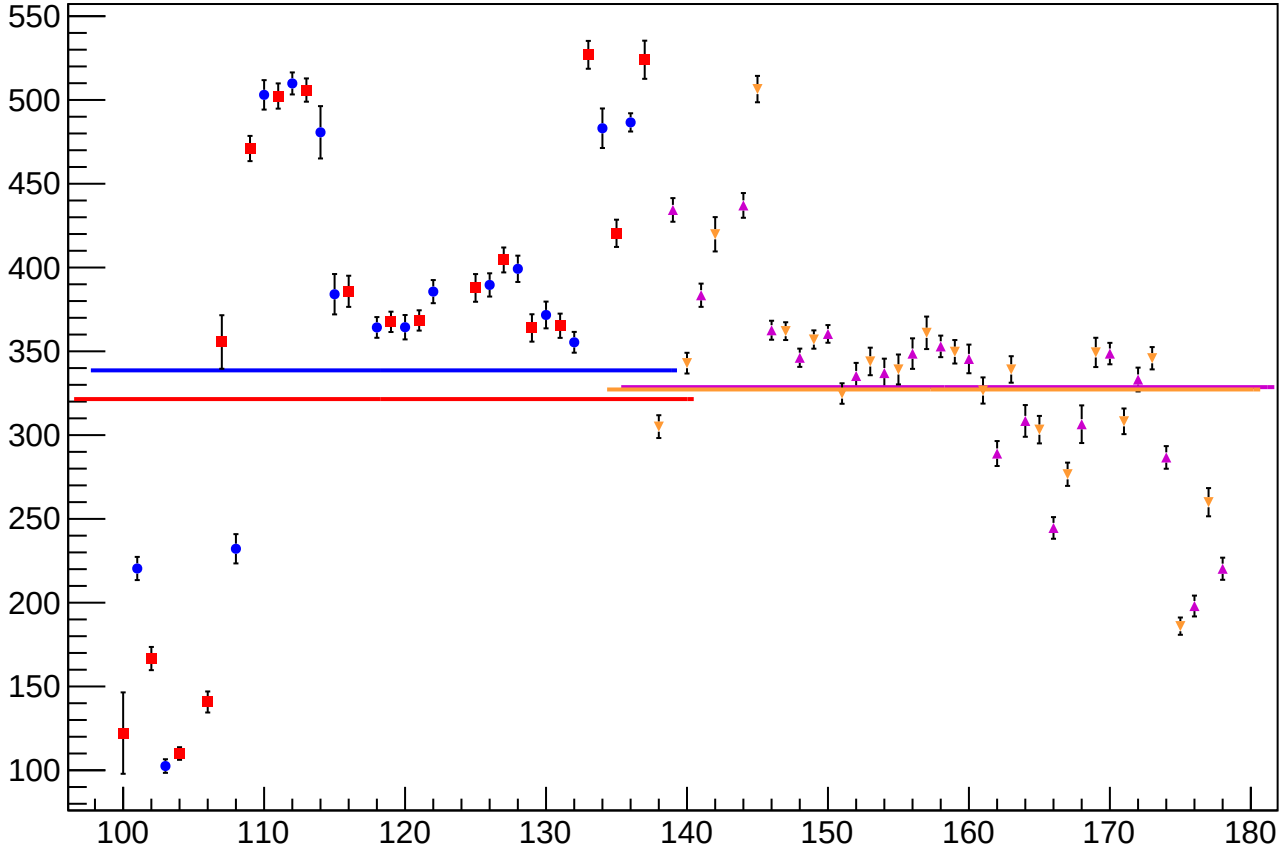
Right: 22.537+/-1.128 χ^2/NDF: 234.8/33

In: 15.165+/-0.920 χ^2/NDF:494.8/35

Out: 16.274+/-0.906 χ^2/NDF:601.0/37

All: 15.728+/-0.645 χ^2/NDF: 1096.6/73

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: 328.632+/-1.551 χ^2/NDF:1574.7/19

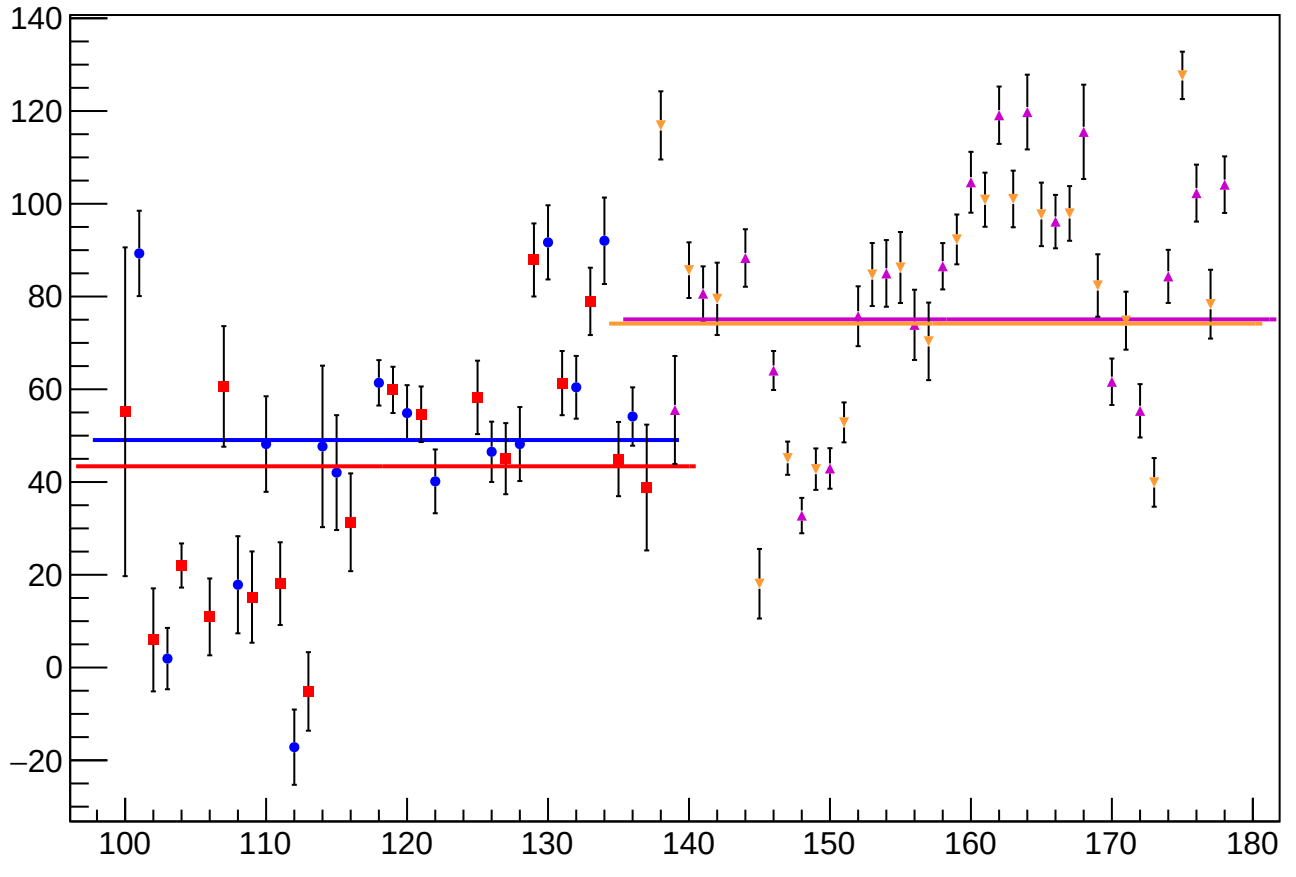
Left: 327.946+/-1.107 χ^2/NDF: 3190.4/39

Right: 329.797+/-1.217 χ^2/NDF: 13813.0/33

In: 333.036+/-1.160 χ^2/NDF:7635.6/35

Out: 324.564+/-1.156 χ^2/NDF:9342.3/37

All: 328.785+/-0.819 χ^2/NDF: 17004.7/73



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: 75.070+/-1.292 χ^2/NDF:394.3/19

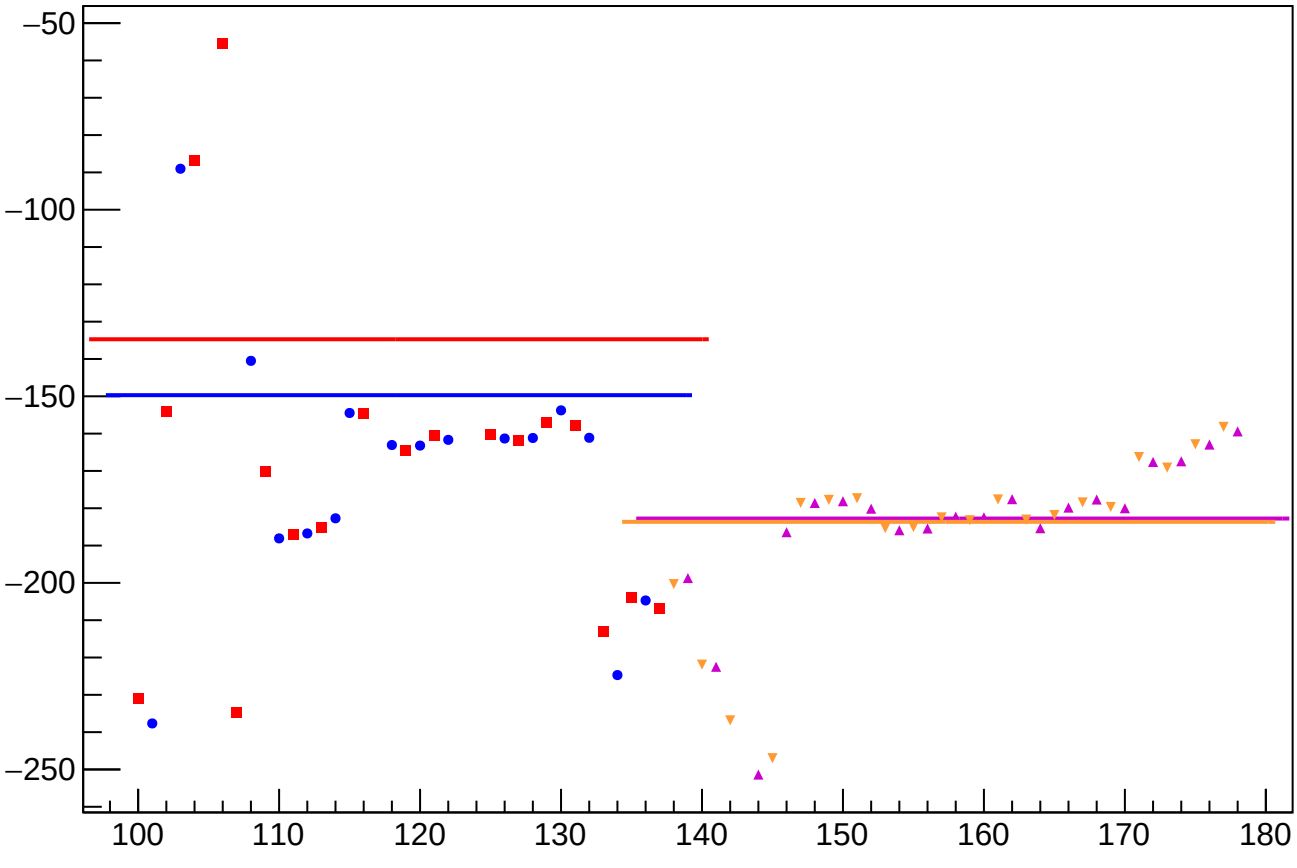
Left: 74.618+/-0.914 χ^2/NDF: 866.6/39

Right: 46.149+/-1.314 χ^2/NDF: 392.6/33

In: 66.741+/-1.065 χ^2/NDF:732.1/35

Out: 63.928+/-1.058 χ^2/NDF:840.0/37

All: 65.325+/-0.750 χ^2/NDF: 1575.6/73



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: -182.759+/-0.059 χ^2/NDF:88567.1/19

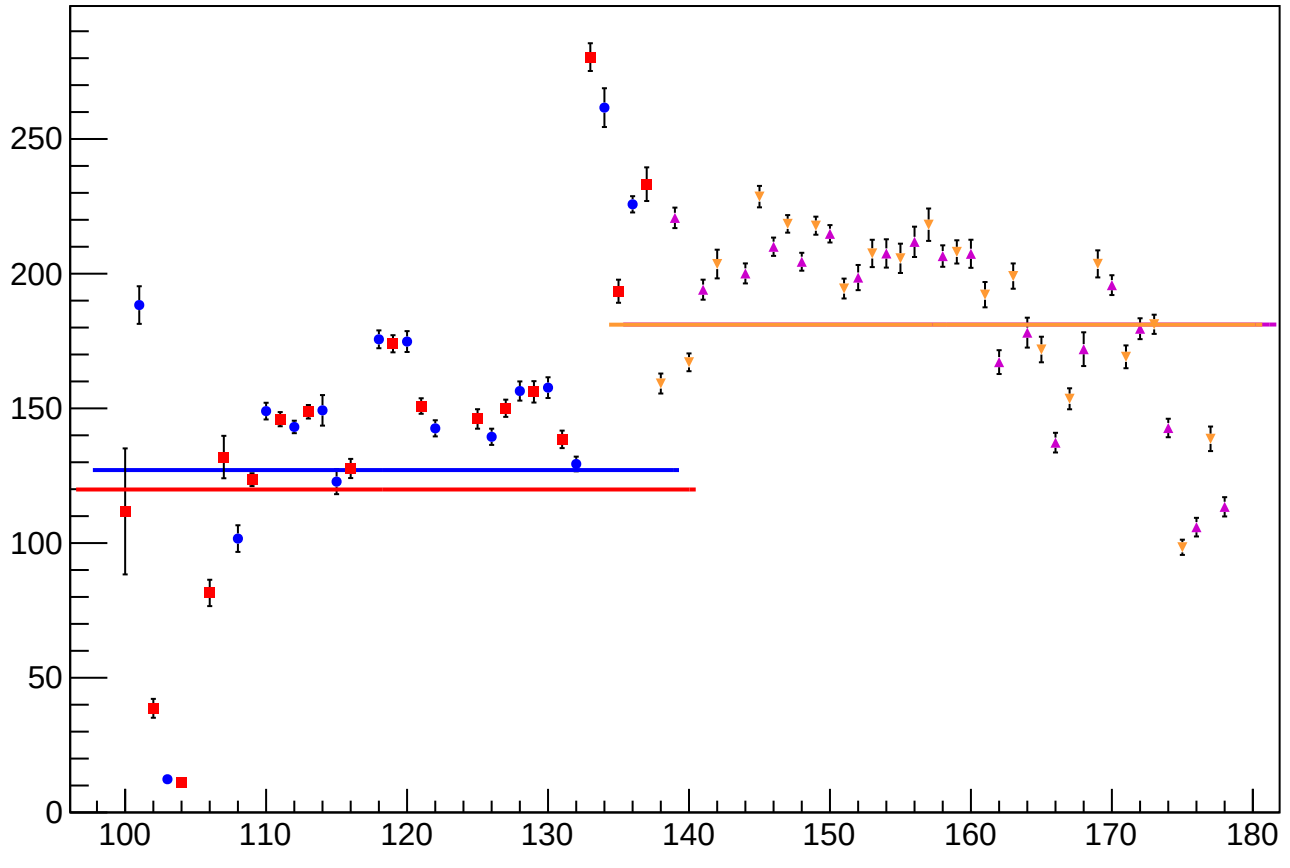
Left: -183.188+/-0.042 χ^2/NDF: 194515.3/39

Right: -141.917+/-0.070 χ^2/NDF: 580582.0/33

In: -174.305+/-0.051 χ^2/NDF:425073.2/35

Out: -169.829+/-0.052 χ^2/NDF:601096.1/37

All: -172.092+/-0.036 χ^2/NDF: 1029981.4/73



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: 181.123+/-0.887 χ^2/NDF:1639.9/19

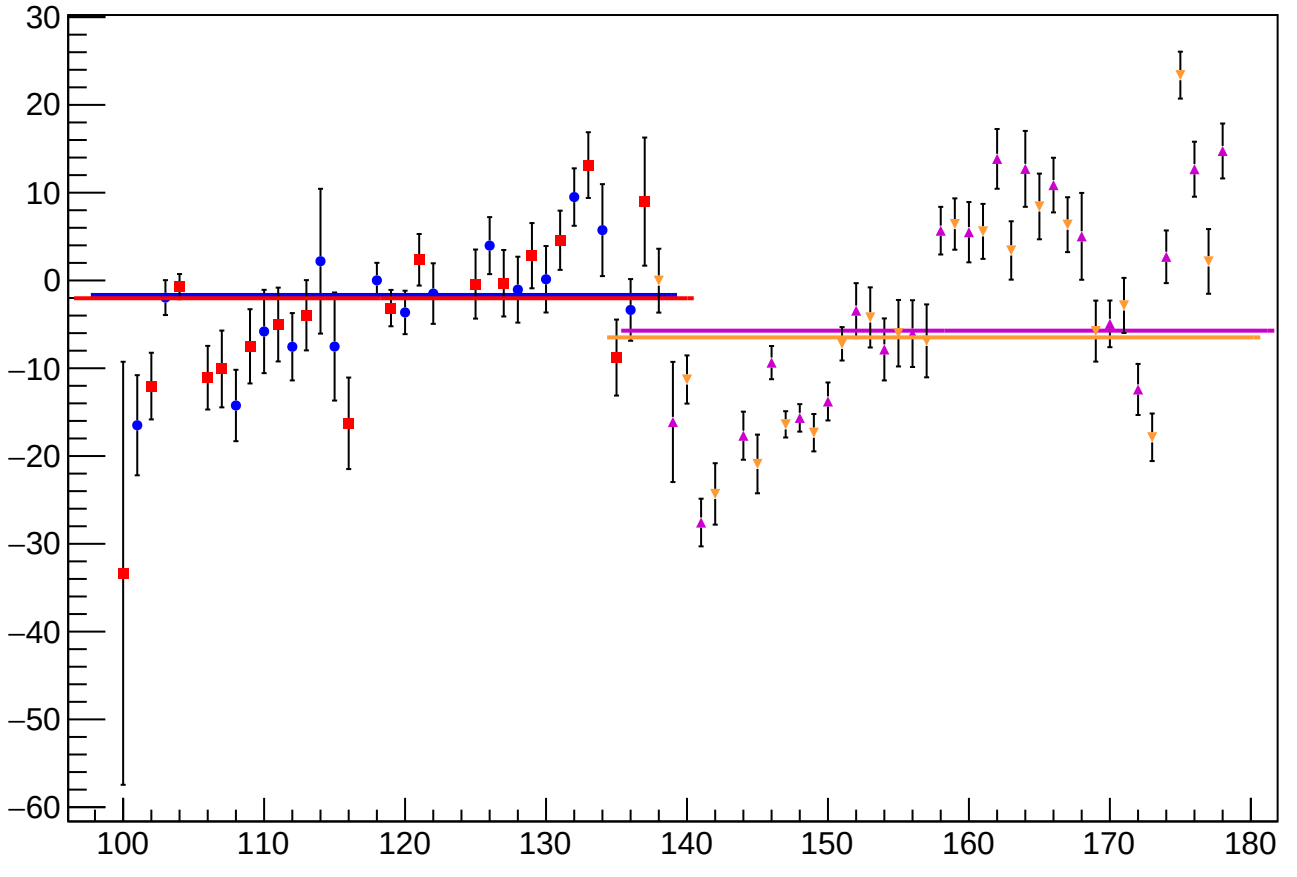
Left: 181.099+/-0.633 χ^2/NDF: 3285.9/39

Right: 123.326+/-0.560 χ^2/NDF: 12854.2/33

In: 151.697+/-0.598 χ^2/NDF:9824.3/35

Out: 145.753+/-0.588 χ^2/NDF:10936.1/37

All: 148.674+/-0.419 χ^2/NDF: 20810.7/73



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: -5.719+/-0.630 χ^2/NDF:348.2/19

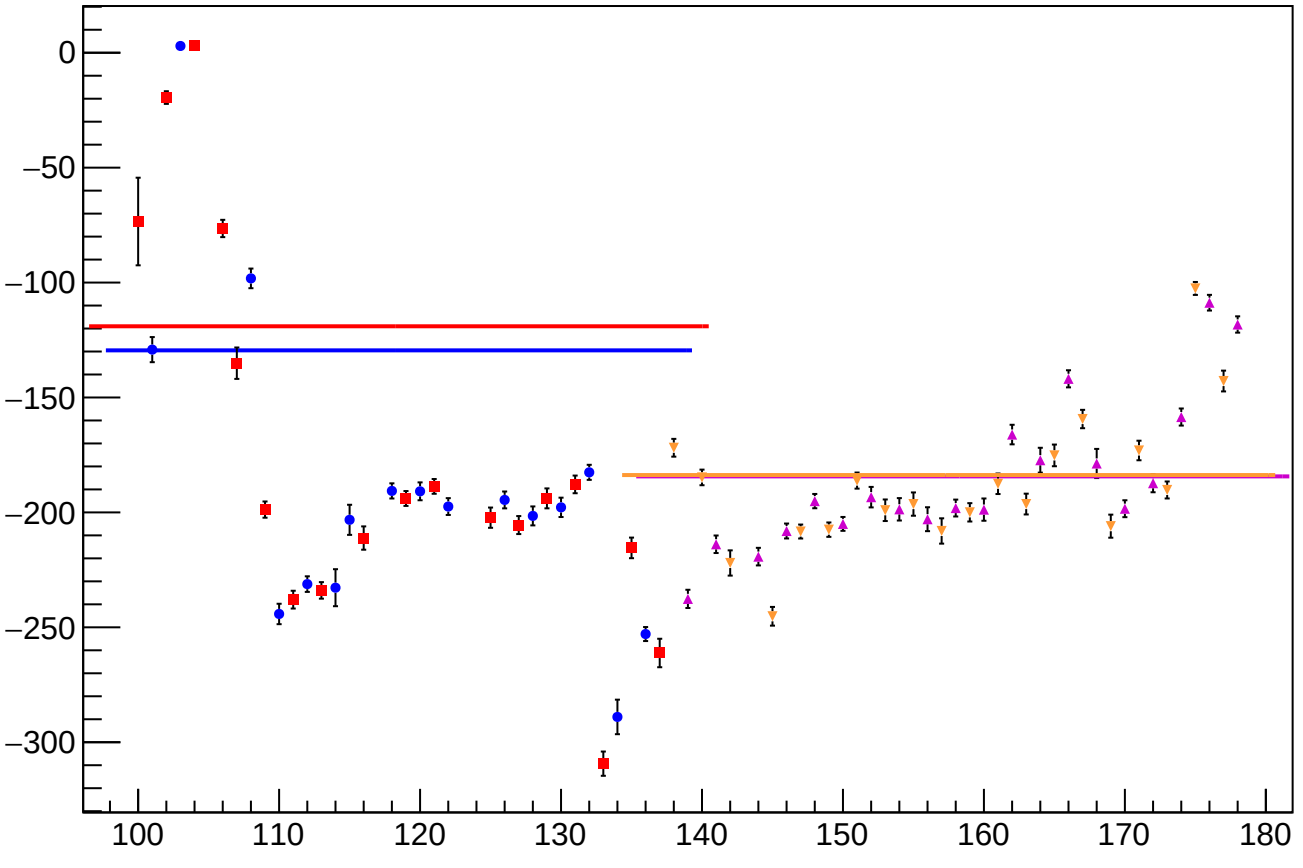
Left: -6.104+/-0.444 χ^2/NDF: 695.5/39

Right: -1.854+/-0.565 χ^2/NDF: 97.8/33

In: -4.239+/-0.502 χ^2/NDF:402.5/35

Out: -4.711+/-0.486 χ^2/NDF:425.3/37

All: -4.483+/-0.349 χ^2/NDF: 828.2/73



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: -184.333+/-0.871 χ^2/NDF:1536.3/19

Left: -184.048+/-0.622 χ^2/NDF: 2987.9/39

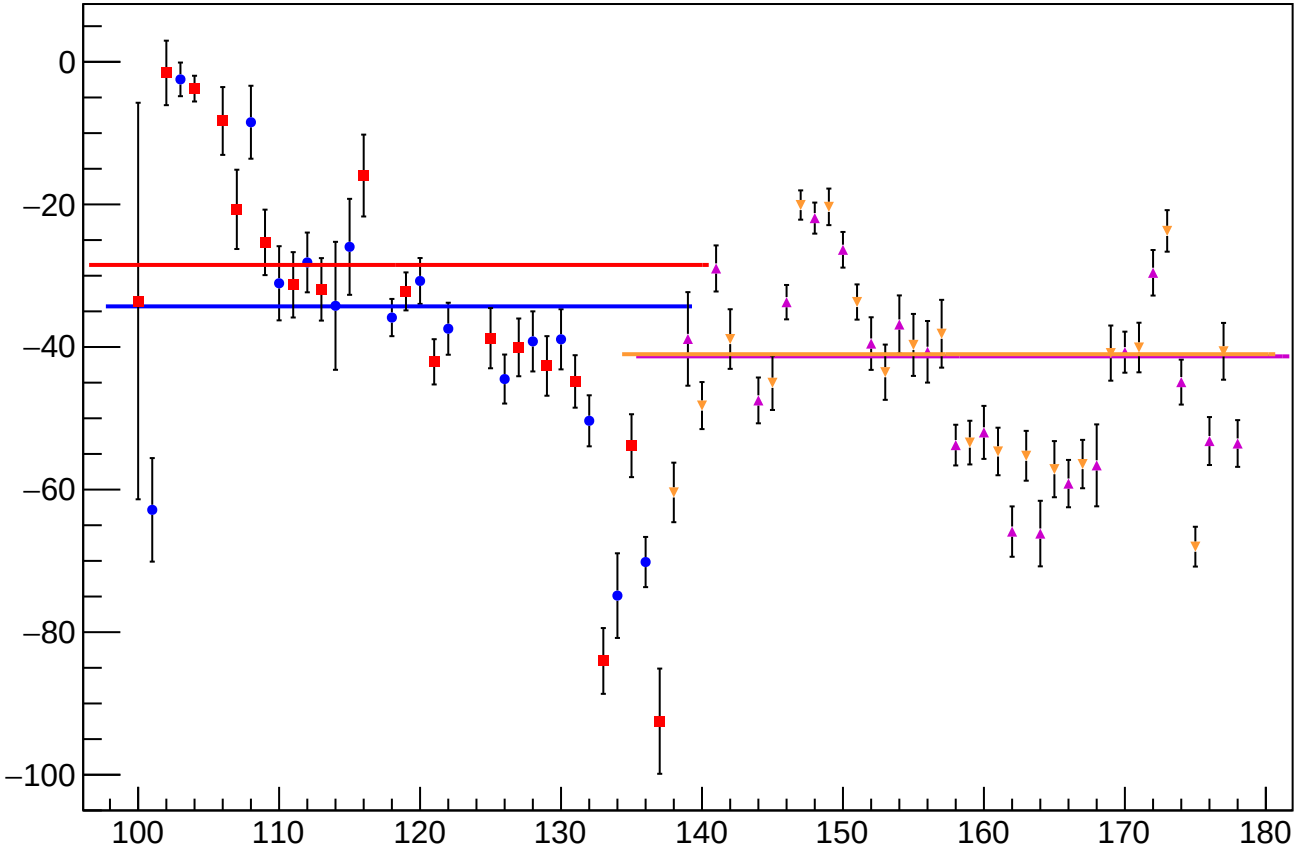
Right: -124.047+/-0.586 χ^2/NDF: 30944.8/33

In: -156.119+/-0.607 χ^2/NDF:18261.9/35

Out: -148.530+/-0.600 χ^2/NDF:20519.9/37

All: -152.277+/-0.427 χ^2/NDF: 38860.9/73

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: -41.312+/-0.727 χ^2/NDF:326.8/19

Left: -41.161+/-0.515 χ^2/NDF: 749.0/39

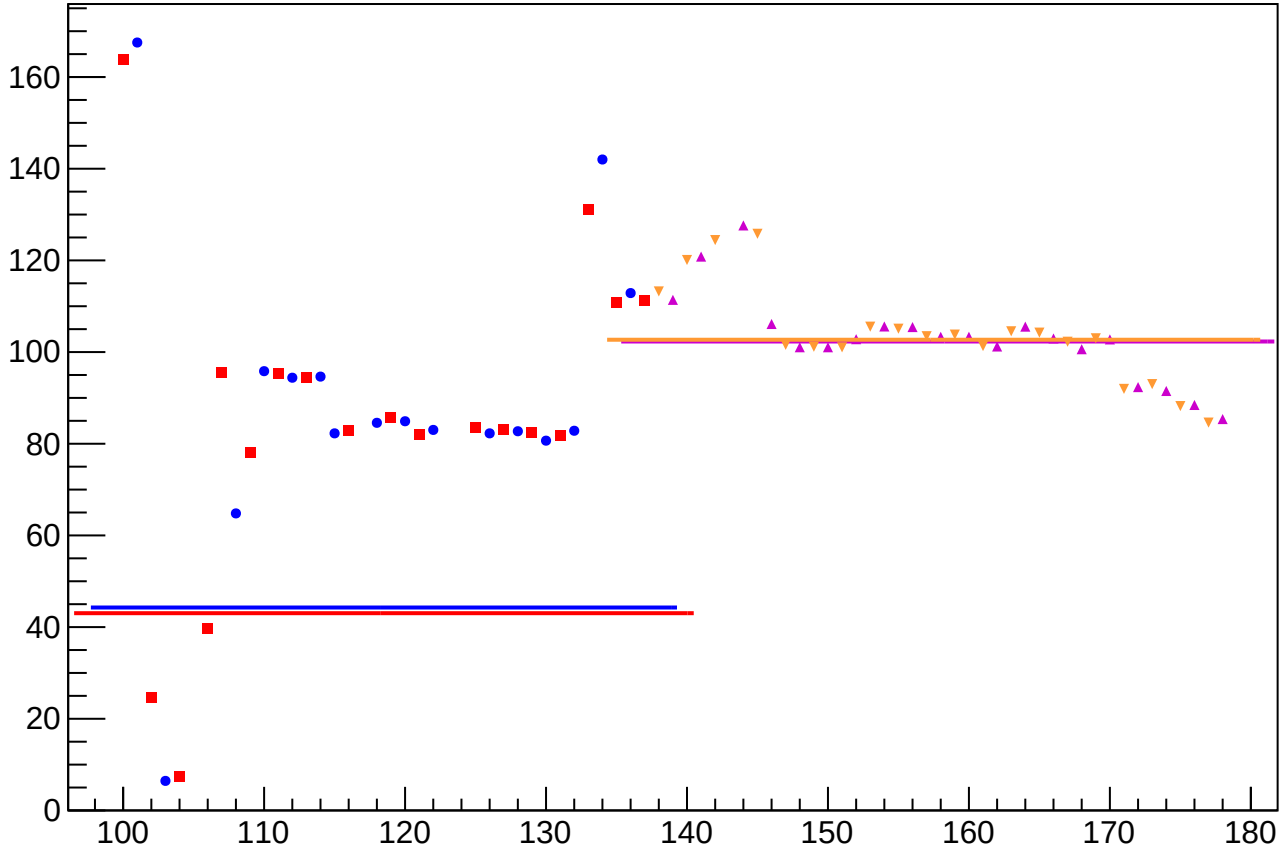
Right: -31.206+/-0.662 χ^2/NDF: 998.5/33

In: -38.781+/-0.582 χ^2/NDF:771.7/35

Out: -36.092+/-0.568 χ^2/NDF:1105.9/37

All: -37.406+/-0.406 χ^2/NDF: 1888.5/73

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: 102.304+/-0.033 χ^2/NDF:75033.4/19

Left: 102.492+/-0.024 χ^2/NDF: 159130.6/39

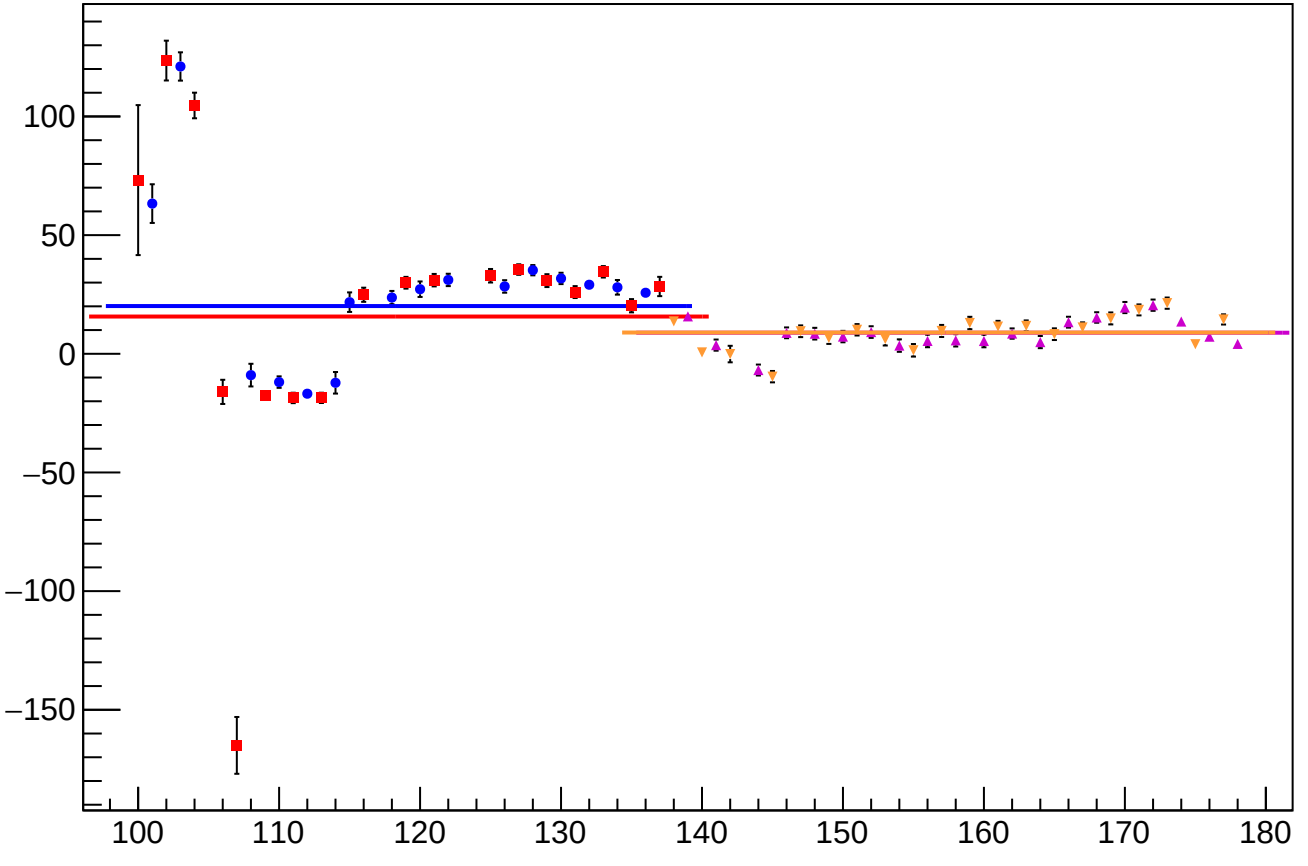
Right: 43.656+/-0.032 χ^2/NDF: 1890570.2/33

In: 81.762+/-0.027 χ^2/NDF:2237199.7/35

Out: 80.860+/-0.027 χ^2/NDF:2001672.2/37

All: 81.319+/-0.019 χ^2/NDF: 4239430.0/73

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 8.964+/-0.525 χ^2/NDF:169.3/19

Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 8.877+/-0.514 χ^2/NDF:144.1/19

Left: 8.920+/-0.367 χ^2/NDF: 313.4/39

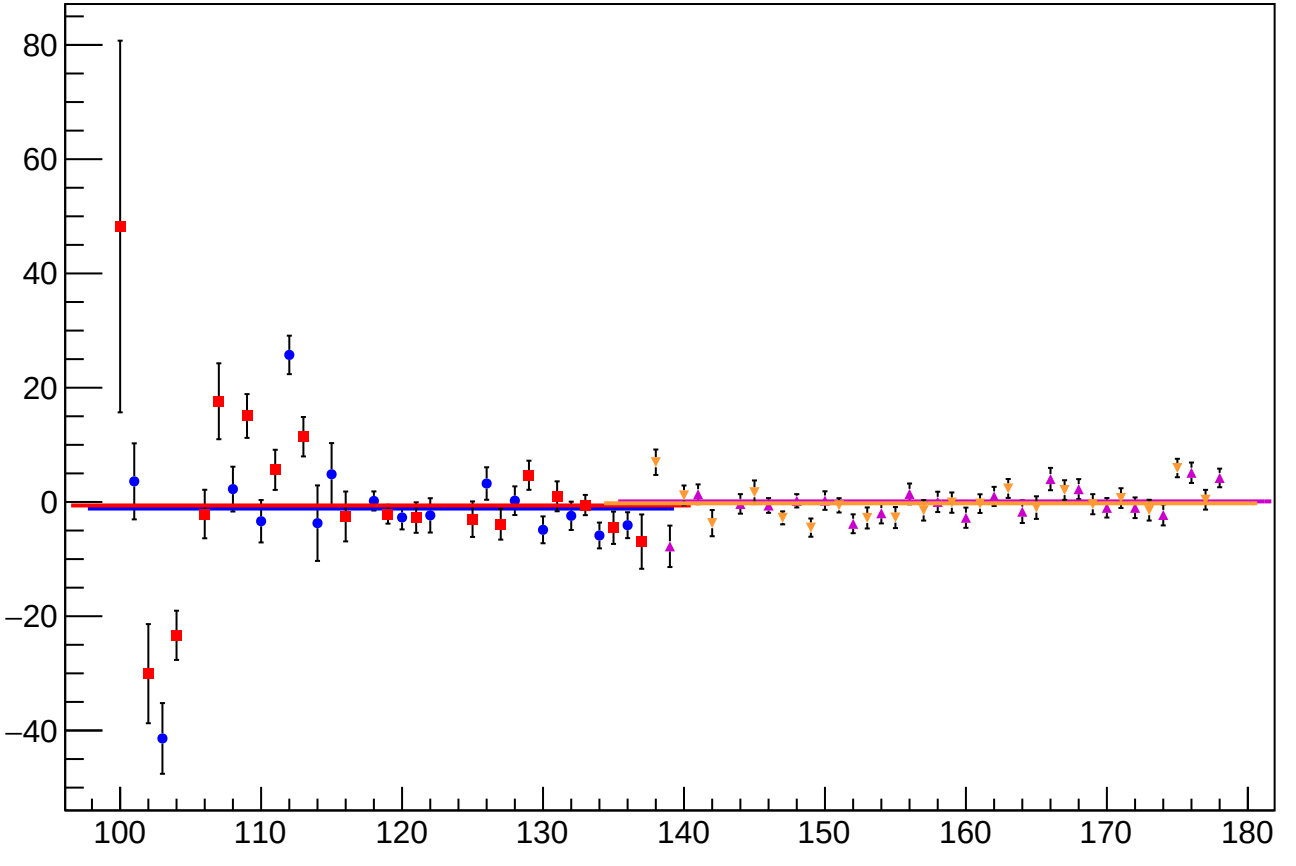
Right: 17.893+/-0.484 χ^2/NDF: 2842.7/33

In: 12.907+/-0.411 χ^2/NDF:1363.9/35

Out: 11.472+/-0.416 χ^2/NDF:2004.4/37

All: 12.198+/-0.293 χ^2/NDF: 3374.3/73

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 0.100+/-0.380 χ^2/NDF:39.0/19

Left: -0.068+/-0.268 χ^2/NDF: 90.0/39

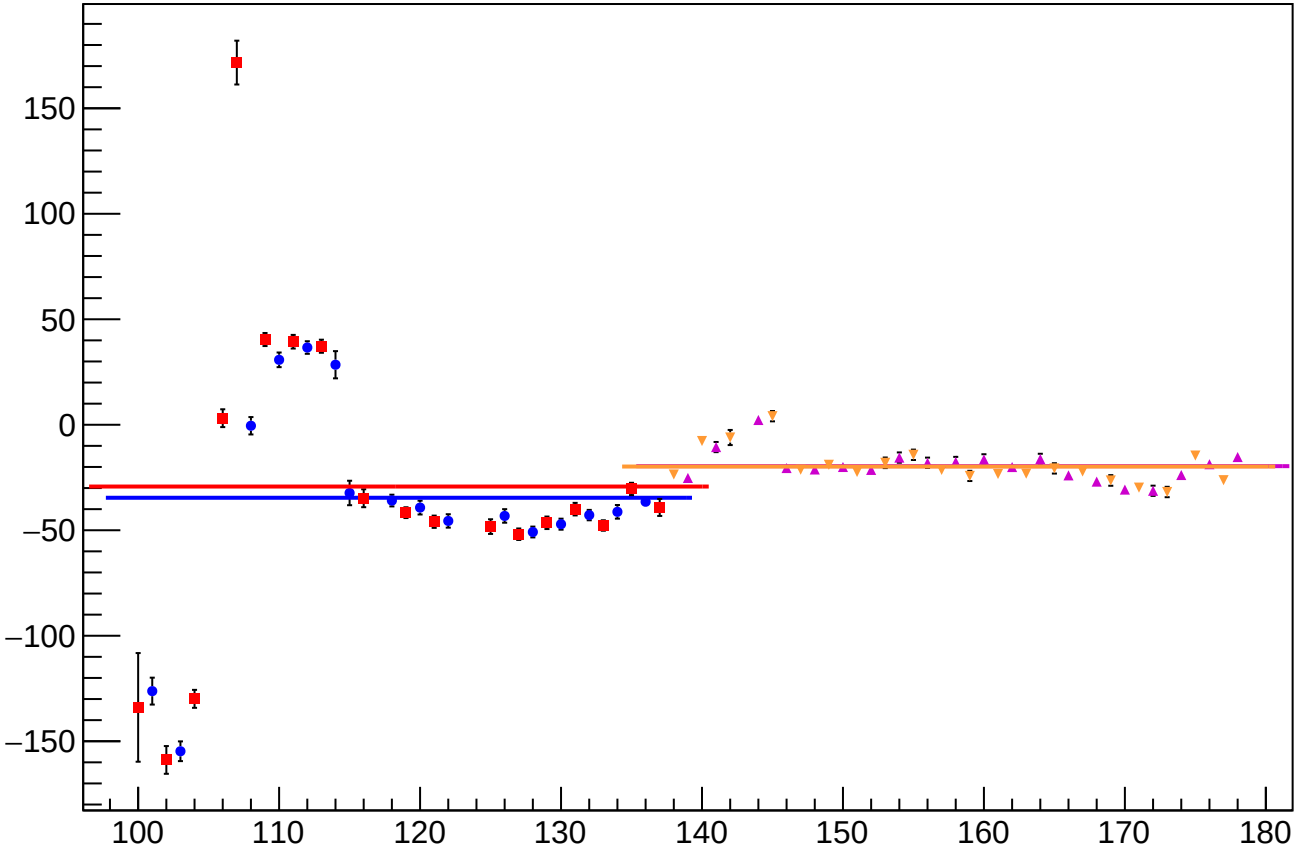
Right: -0.888+/-0.499 χ^2/NDF: 215.5/33

In: -0.186+/-0.334 χ^2/NDF:163.3/35

Out: -0.317+/-0.334 χ^2/NDF:144.2/37

All: -0.251+/-0.236 χ^2/NDF: 307.6/73

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: -19.618+/-0.506 χ^2/NDF:183.7/19

Left: -19.707+/-0.361 χ^2/NDF: 414.4/39

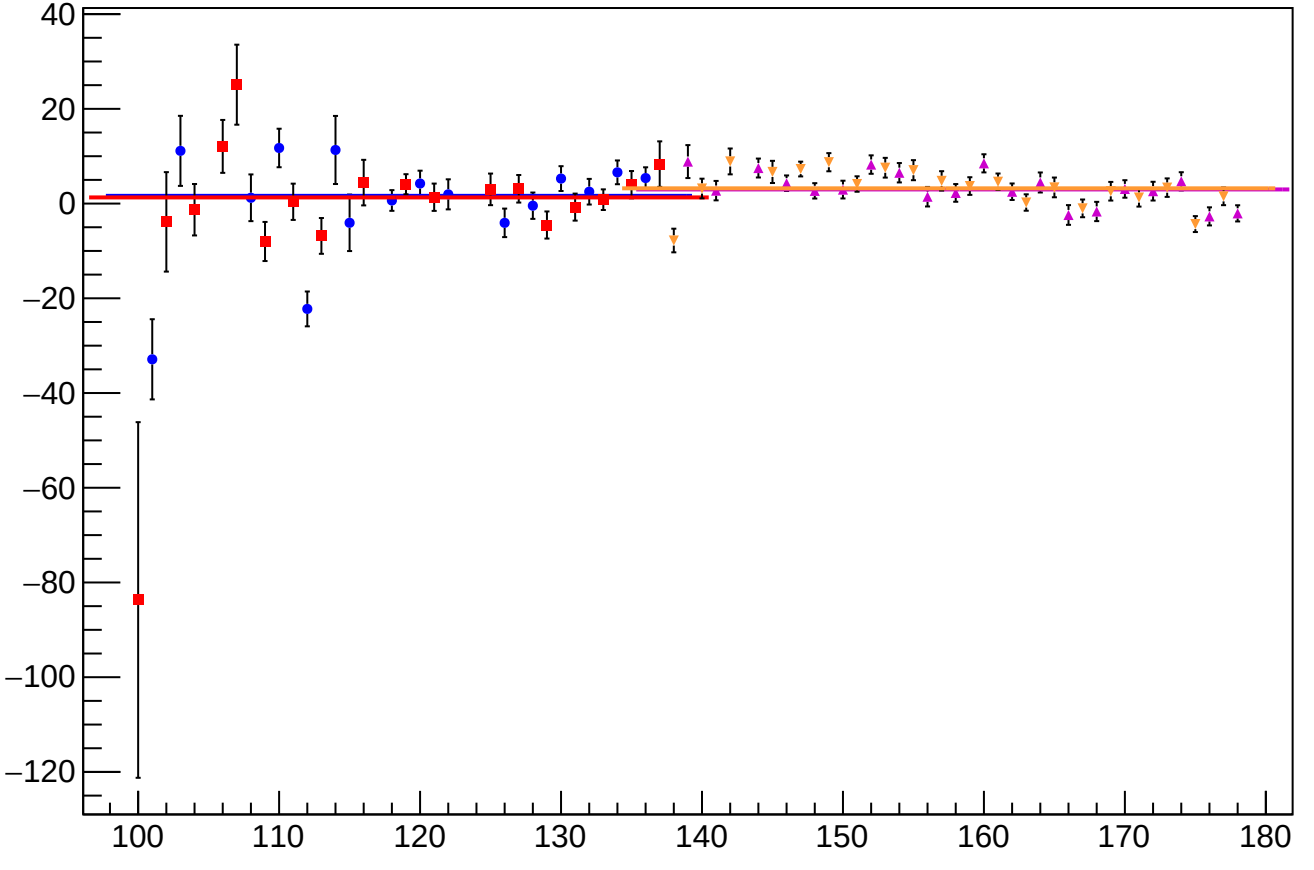
Right: -31.983+/-0.561 χ^2/NDF: 5162.0/33

In: -24.000+/-0.425 χ^2/NDF:2499.0/35

Out: -22.584+/-0.434 χ^2/NDF:3410.8/37

All: -23.306+/-0.304 χ^2/NDF: 5915.3/73

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: 2.984+/-0.432 χ^2/NDF:58.9/19

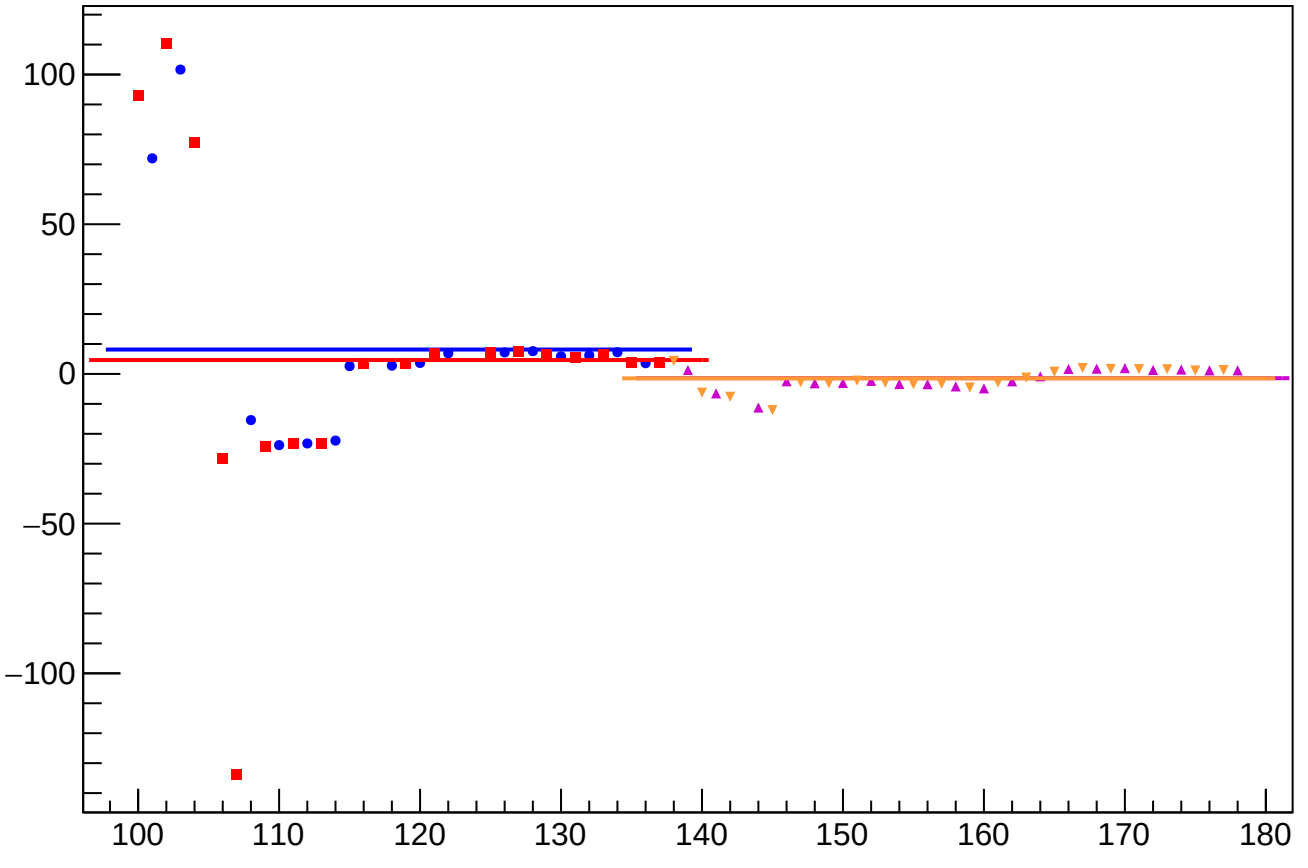
Left: 3.101+/-0.305 χ^2/NDF: 139.6/39

Right: 1.468+/-0.570 χ^2/NDF: 120.9/33

In: 2.677+/-0.380 χ^2/NDF:144.4/35

Out: 2.799+/-0.382 χ^2/NDF:122.4/37

All: 2.737+/-0.269 χ^2/NDF: 266.8/73



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: -1.426+/-0.019 χ^2/NDF:26504.2/19

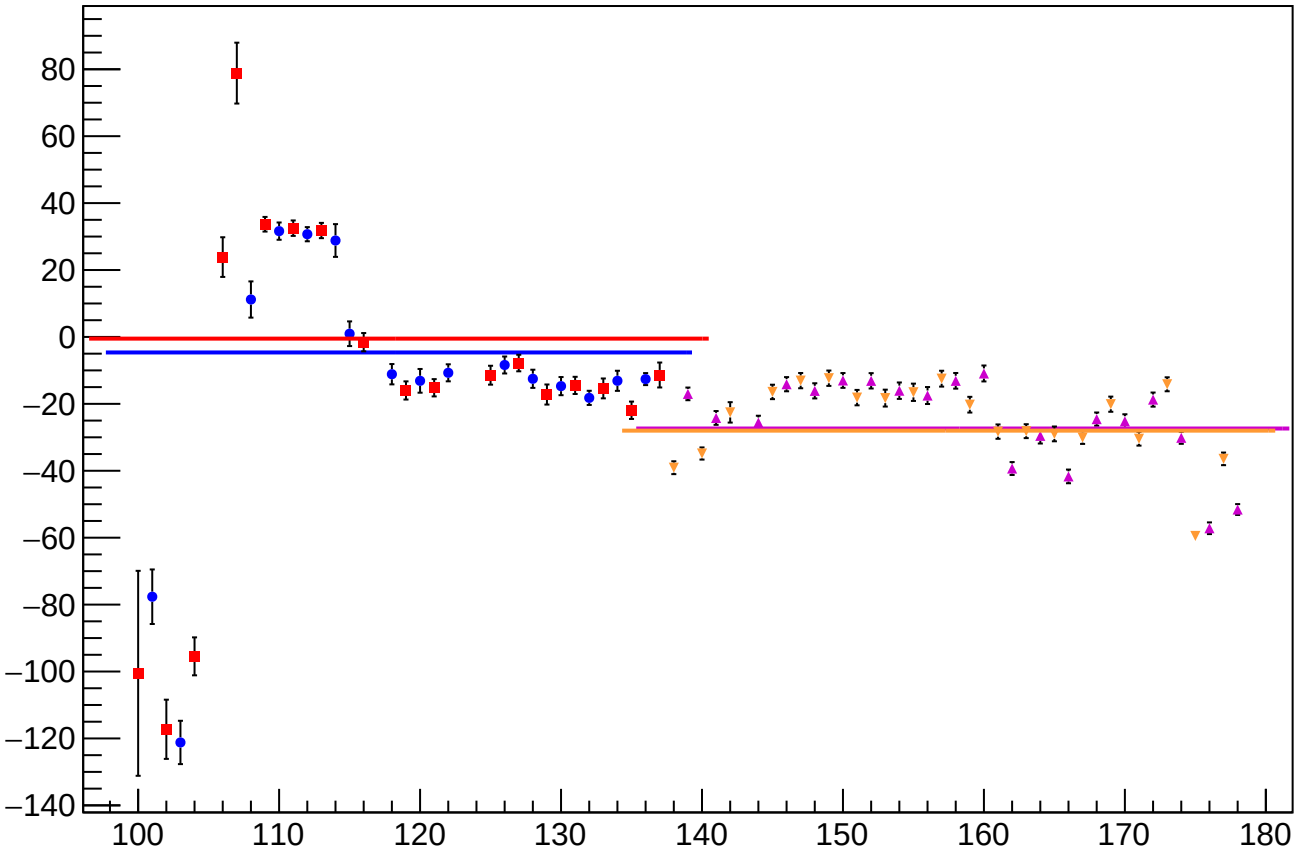
Left: -1.447+/-0.014 χ^2/NDF: 60163.3/39

Right: 6.508+/-0.035 χ^2/NDF: 762611.1/33

In: -0.150+/-0.018 χ^2/NDF:373792.2/35

Out: -0.718+/-0.018 χ^2/NDF:492706.5/37

All: -0.426+/-0.013 χ^2/NDF: 867001.5/73



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: -27.370+/-0.463 χ^2/NDF:923.6/19

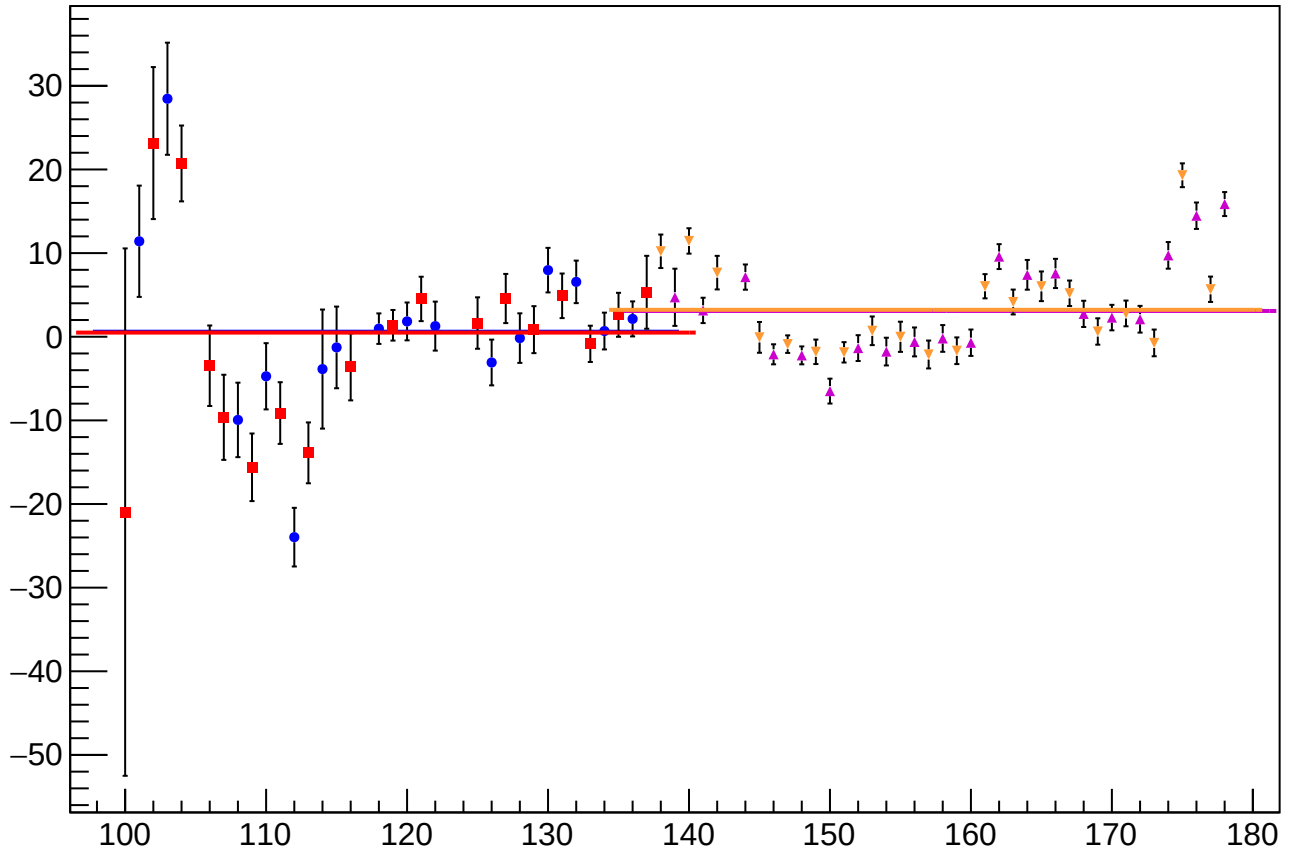
Left: -27.680+/-0.331 χ^2/NDF: 1720.6/39

Right: -2.571+/-0.503 χ^2/NDF: 2521.0/33

In: -20.609+/-0.388 χ^2/NDF:2686.8/35

Out: -19.536+/-0.394 χ^2/NDF:3289.6/37

All: -20.081+/-0.277 χ^2/NDF: 5980.1/73



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: 3.081+/-0.343 χ^2/NDF:304.7/19

Left: 3.149+/-0.243 χ^2/NDF: 571.5/39

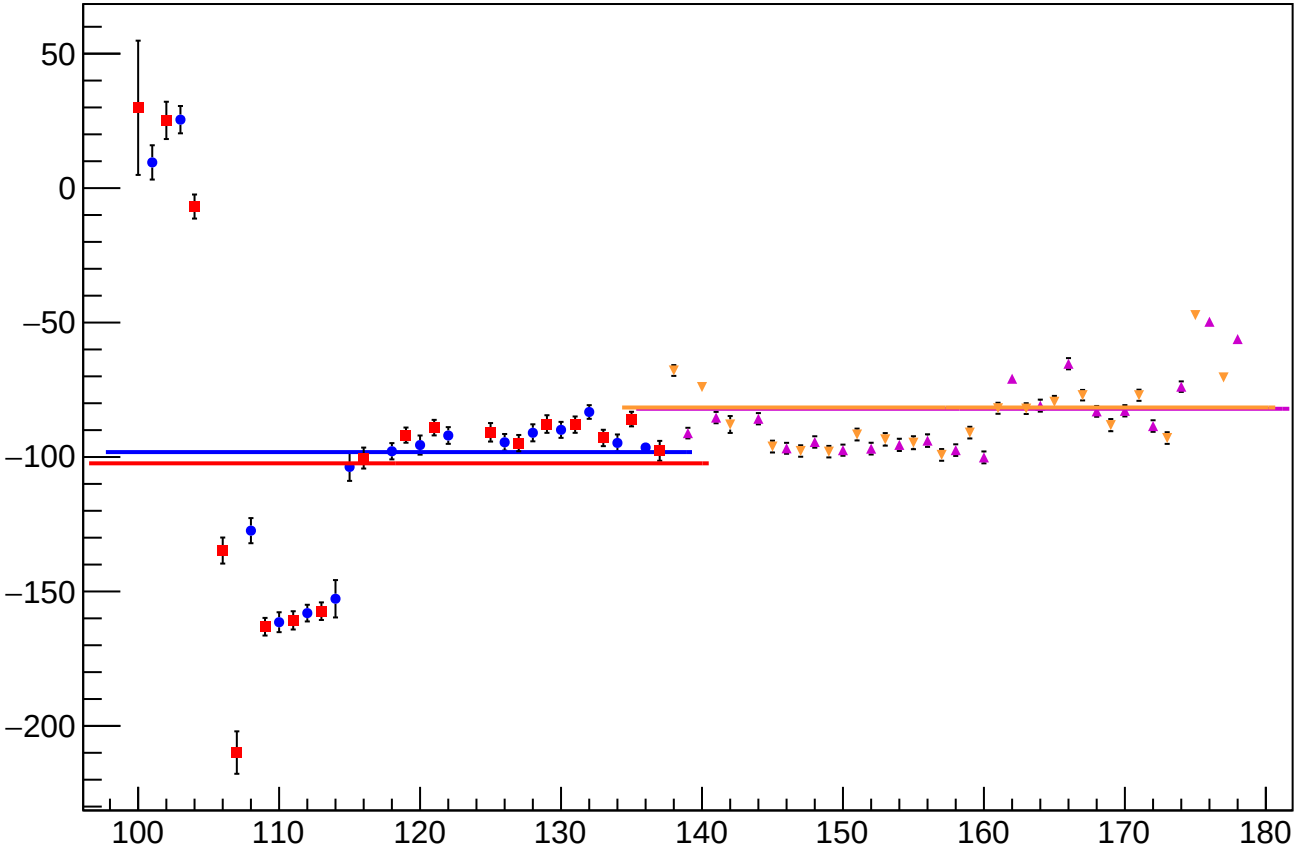
Right: 0.551+/-0.524 χ^2/NDF: 173.0/33

In: 2.630+/-0.310 χ^2/NDF:407.1/35

Out: 2.752+/-0.312 χ^2/NDF:357.6/37

All: 2.690+/-0.220 χ^2/NDF: 764.8/73

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: -82.061+/-0.456 χ^2/NDF:1132.7/19

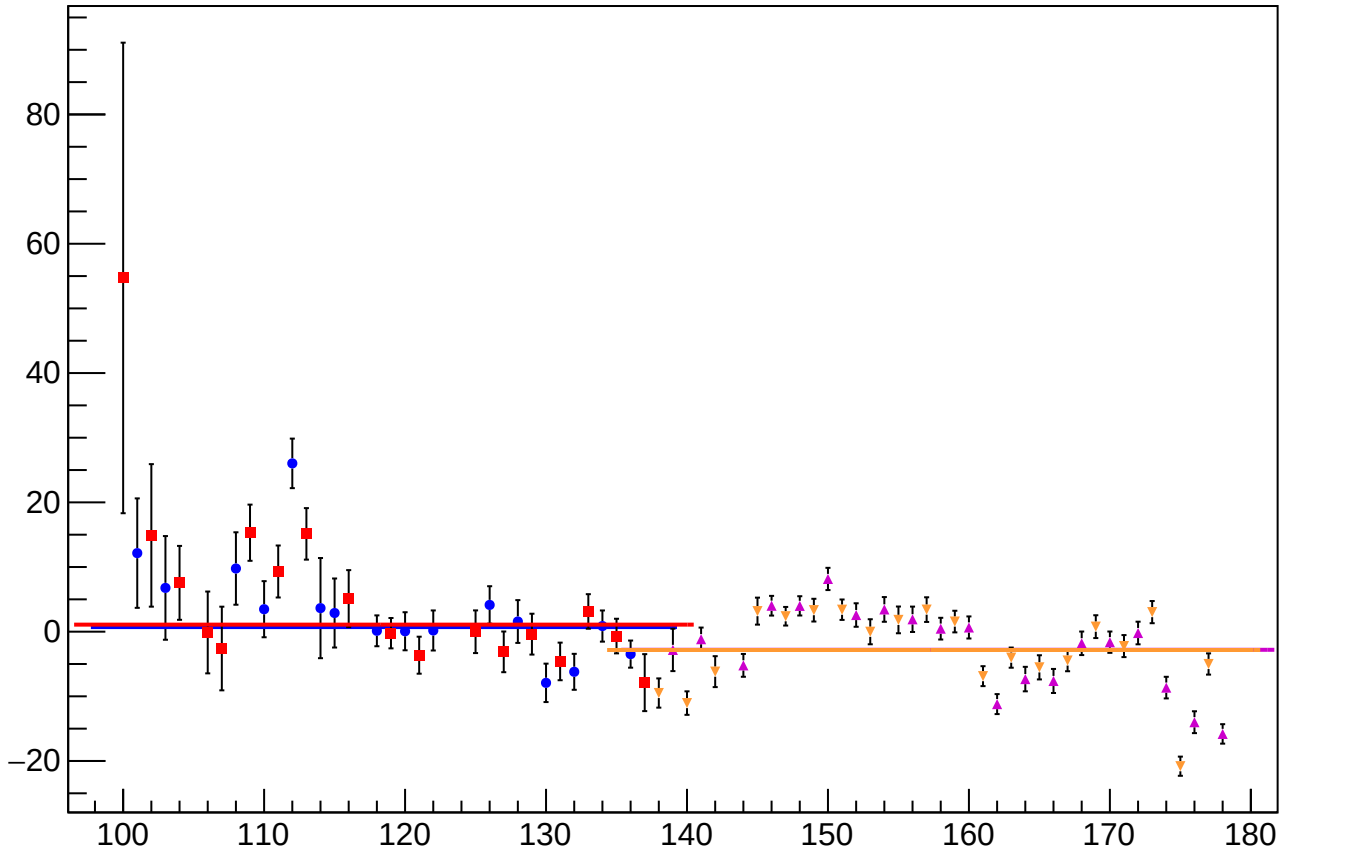
Left: -81.828+/-0.326 χ^2/NDF: 2132.8/39

Right: -100.197+/-0.583 χ^2/NDF: 3830.3/33

In: -85.920+/-0.398 χ^2/NDF:3131.3/35

Out: -86.505+/-0.407 χ^2/NDF:3586.8/37

All: -86.206+/-0.285 χ^2/NDF: 6719.1/73



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: -2.804+/-0.389 χ^2/NDF:293.1/19

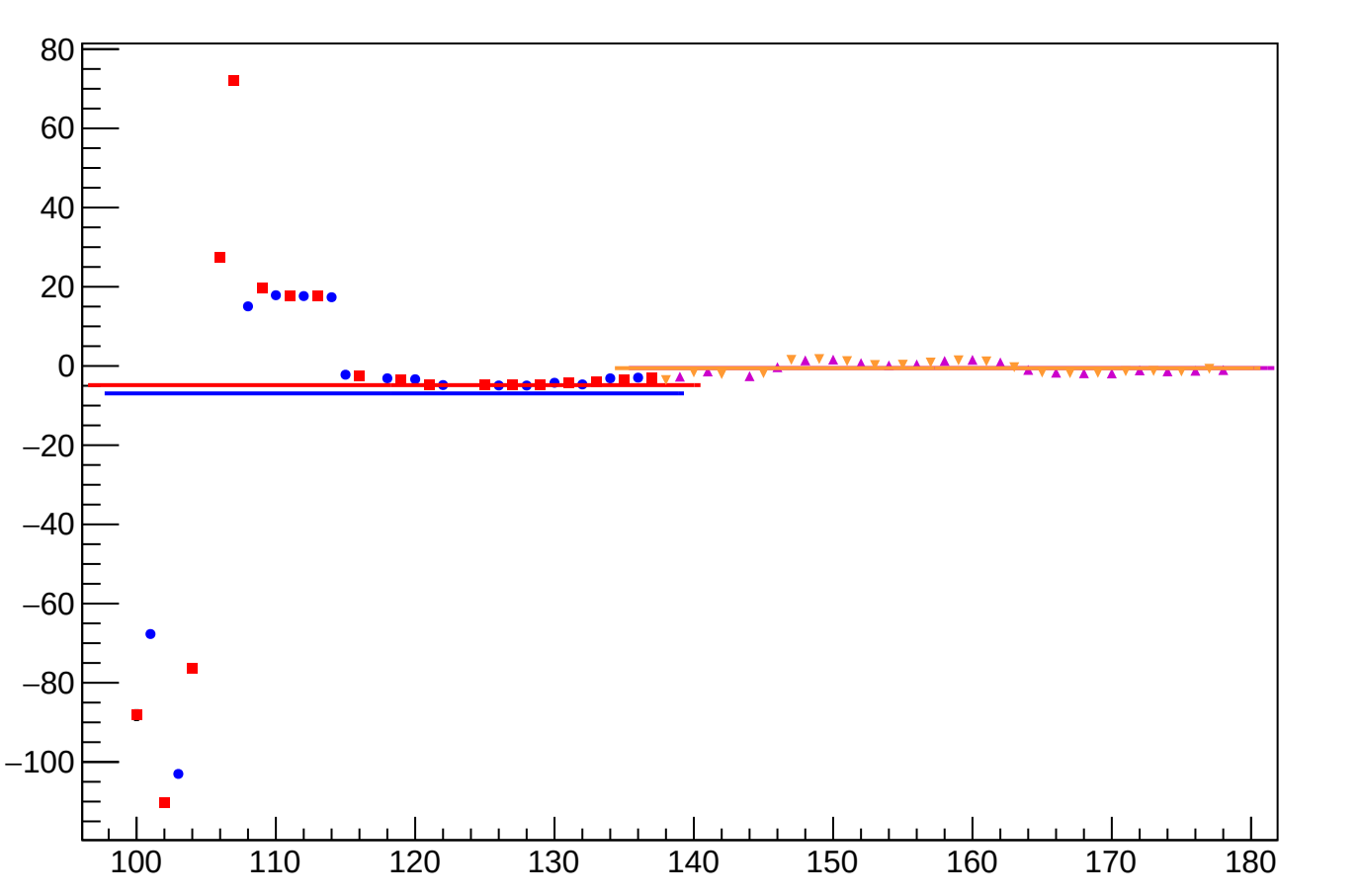
Left: -2.819+/-0.276 χ^2/NDF: 573.3/39

Right: 0.892+/-0.593 χ^2/NDF: 117.4/33

In: -2.160+/-0.352 χ^2/NDF:377.6/35

Out: -2.159+/-0.355 χ^2/NDF:345.2/37

All: -2.160+/-0.250 χ^2/NDF: 722.9/73



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: -0.528+/-0.017 χ^2/NDF:6158.5/19

Left: -0.539+/-0.012 χ^2/NDF: 12664.5/39

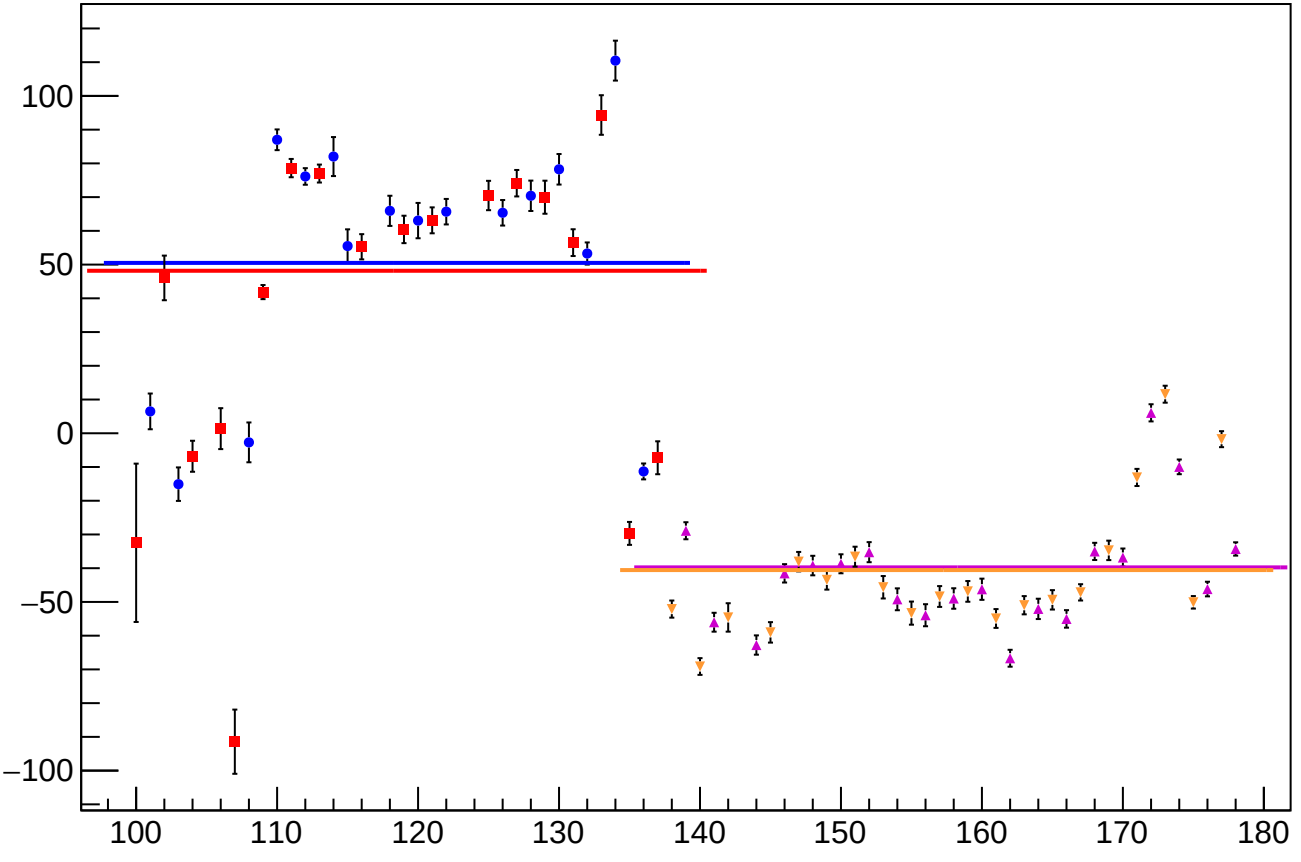
Right: -5.968+/-0.036 χ^2/NDF: 605403.2/33

In: -1.239+/-0.016 χ^2/NDF:286799.6/35

Out: -0.976+/-0.017 χ^2/NDF:351792.7/37

All: -1.111+/-0.012 χ^2/NDF: 638720.7/73

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: -39.756+/-0.593 χ^2/NDF:859.7/19

Left: -40.144+/-0.425 χ^2/NDF: 1997.0/39

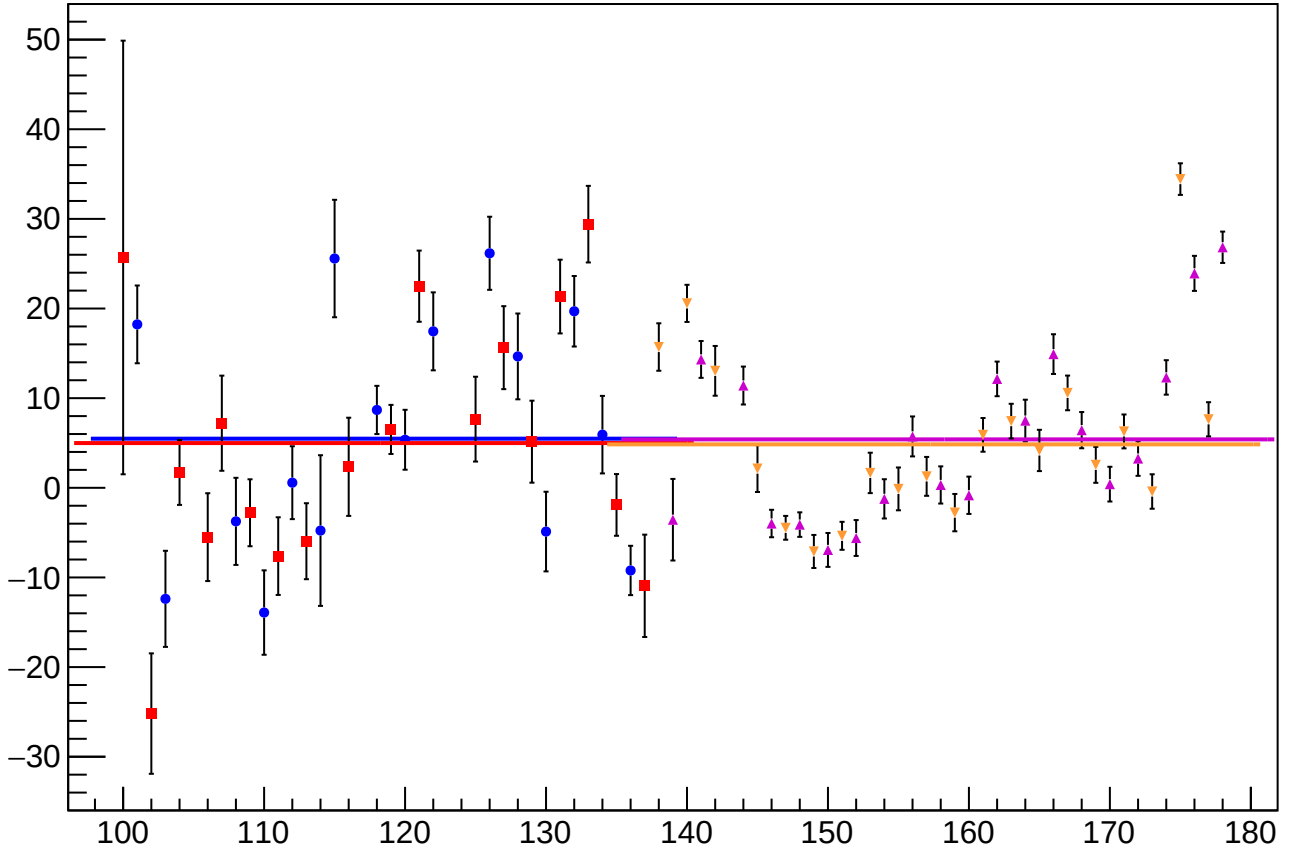
Right: 49.274+/-0.664 χ^2/NDF: 3026.2/33

In: -15.035+/-0.505 χ^2/NDF:8711.2/35

Out: -13.203+/-0.508 χ^2/NDF:9170.3/37

All: -14.123+/-0.358 χ^2/NDF: 17888.0/73

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: 5.403+/-0.440 χ^2/NDF:506.2/19

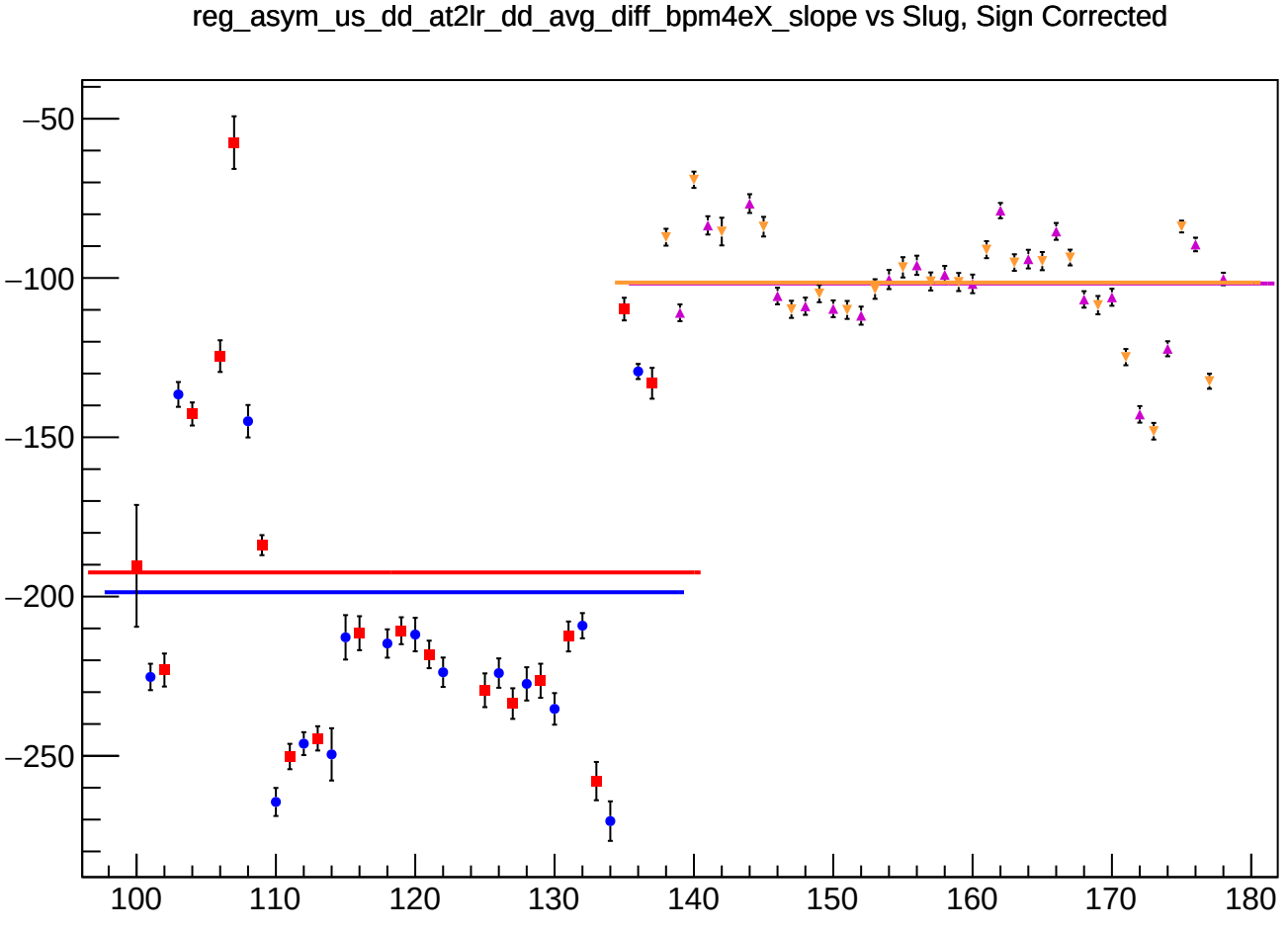
Left: 5.126+/-0.311 χ^2/NDF: 1051.8/39

Right: 5.236+/-0.723 χ^2/NDF: 270.1/33

In: 5.415+/-0.404 χ^2/NDF:644.3/35

Out: 4.870+/-0.405 χ^2/NDF:676.7/37

All: 5.143+/-0.286 χ^2/NDF: 1321.9/73



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: -101.725+/-0.584 χ^2/NDF:661.4/19

Left: -101.583+/-0.419 χ^2/NDF: 1629.1/39

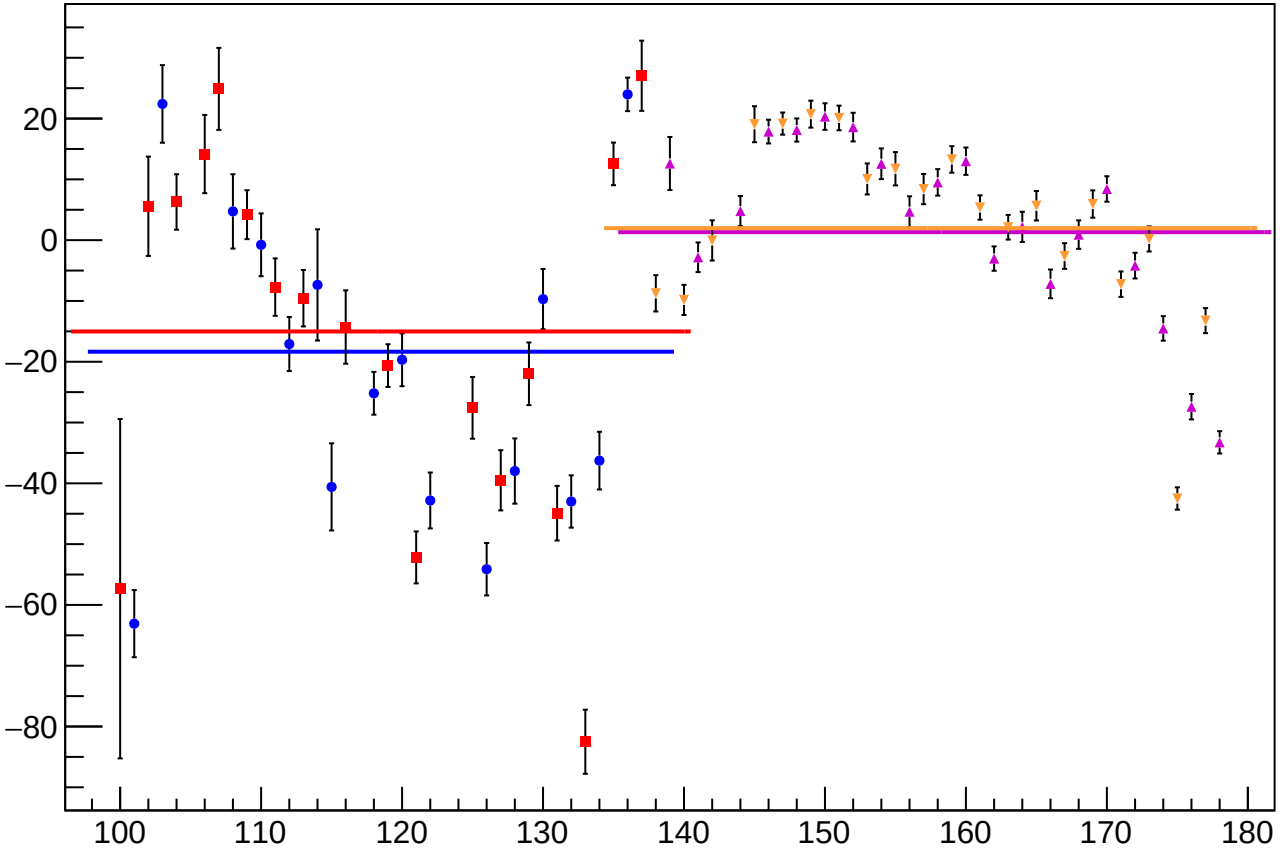
Right: -195.523+/-0.765 χ^2/NDF: 4157.8/33

In: -123.574+/-0.514 χ^2/NDF:8862.0/35

Out: -122.917+/-0.525 χ^2/NDF:8531.9/37

All: -123.252+/-0.367 χ^2/NDF: 17394.7/73

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: 1.315+/-0.498 χ^2/NDF:994.6/19

Left: 1.647+/-0.354 χ^2/NDF: 2035.8/39

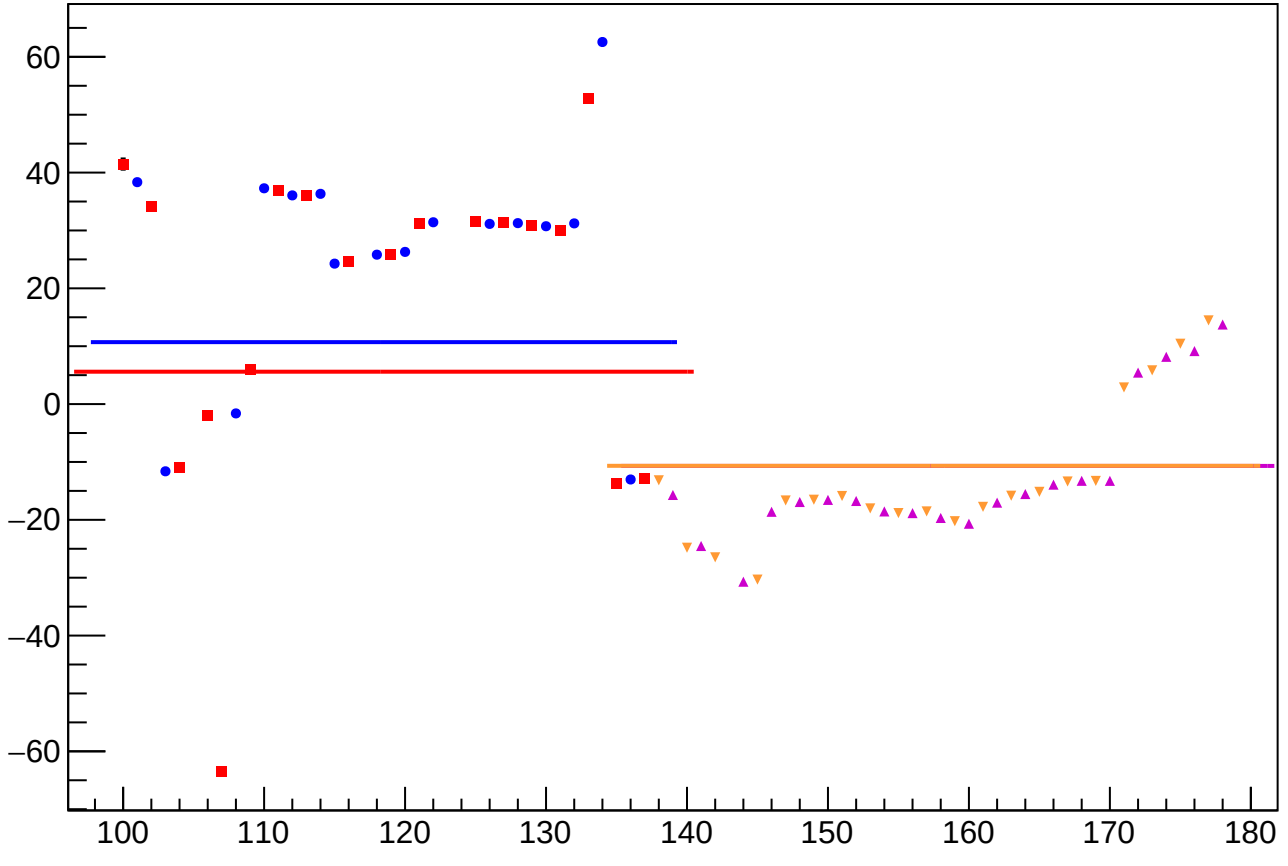
Right: -16.688+/-0.821 χ^2/NDF: 1094.5/33

In: -1.750+/-0.458 χ^2/NDF:1781.3/35

Out: -0.692+/-0.461 χ^2/NDF:1767.3/37

All: -1.224+/-0.325 χ^2/NDF: 3551.3/73

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: -10.686+/-0.022 χ^2/NDF:309753.9/19

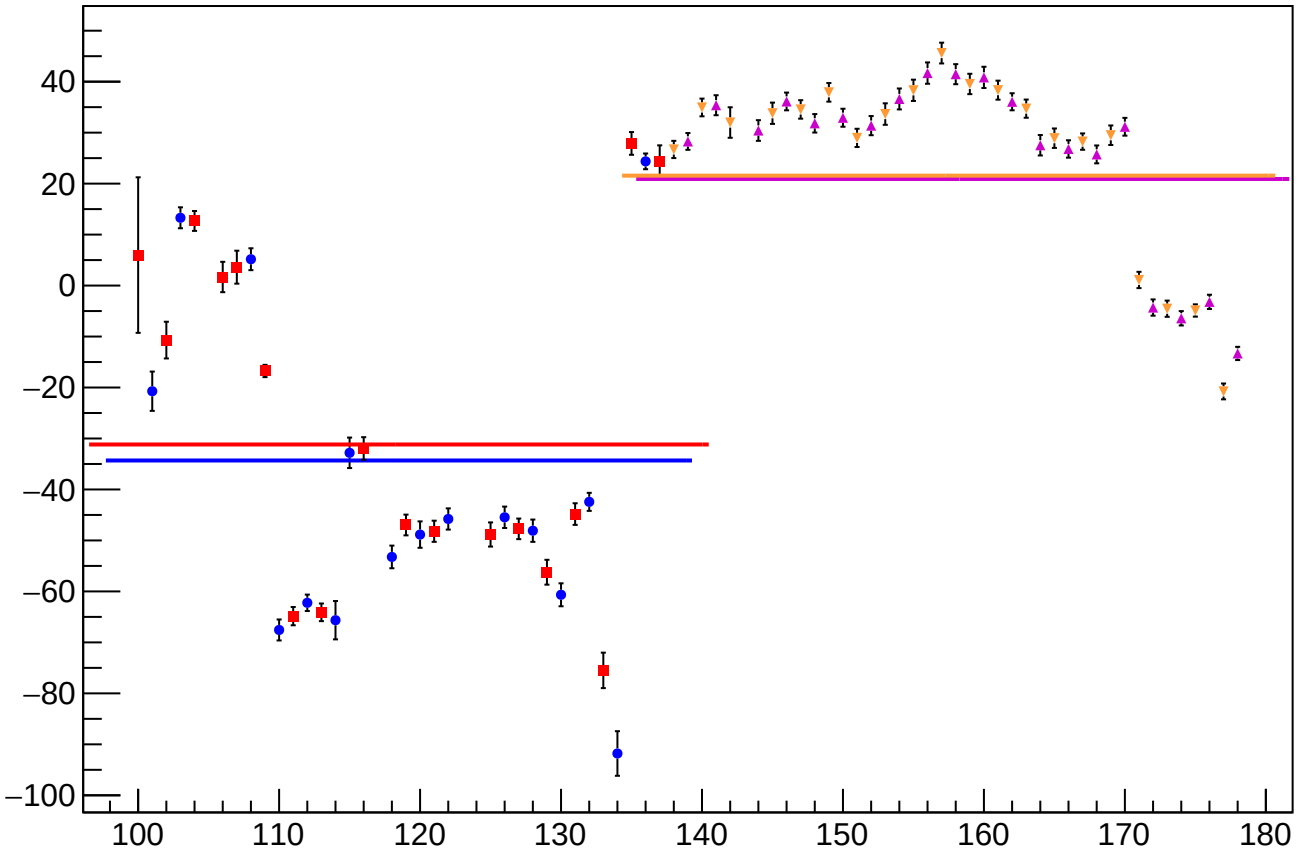
Left: -10.676+/-0.016 χ^2/NDF: 612079.2/39

Right: 8.178+/-0.045 χ^2/NDF: 323087.7/33

In: -8.360+/-0.021 χ^2/NDF:577671.1/35

Out: -8.848+/-0.021 χ^2/NDF:515325.1/37

All: -8.598+/-0.015 χ^2/NDF: 1093266.3/73



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: 20.911+/-0.387 χ^2/NDF:2410.4/19

Left: 21.229+/-0.278 χ^2/NDF: 4831.0/39

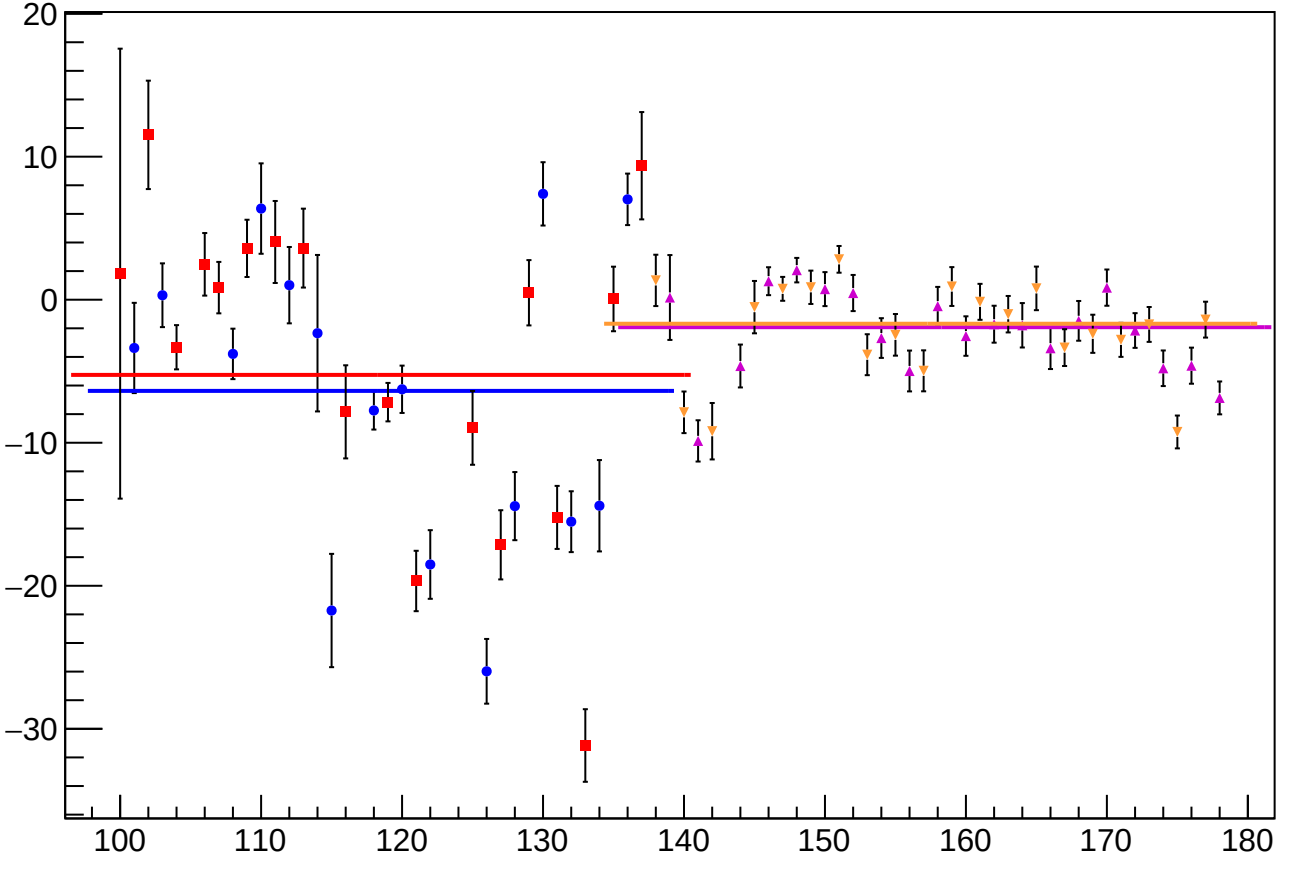
Right: -32.651+/-0.375 χ^2/NDF: 6718.0/33

In: 2.515+/-0.316 χ^2/NDF:12689.2/35

Out: 1.873+/-0.315 χ^2/NDF:12172.7/37

All: 2.193+/-0.223 χ^2/NDF: 24864.0/73

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: -1.921+/-0.286 χ^2/NDF:115.9/19

Left: -1.800+/-0.202 χ^2/NDF: 251.0/39

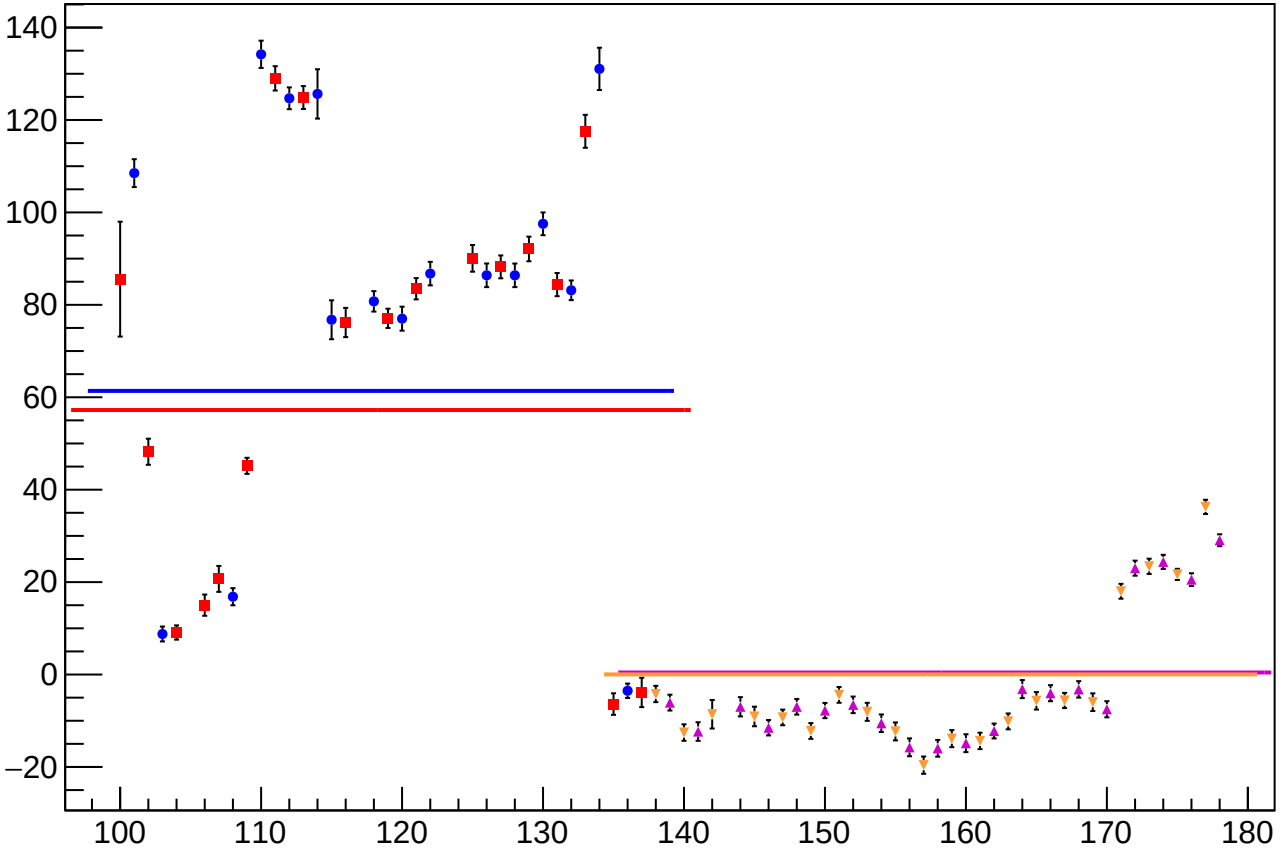
Right: -5.794+/-0.384 χ^2/NDF: 598.6/33

In: -2.860+/-0.254 χ^2/NDF:450.6/35

Out: -2.479+/-0.252 χ^2/NDF:482.6/37

All: -2.668+/-0.179 χ^2/NDF: 934.4/73

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: 0.441+/-0.381 χ^2/NDF:1668.8/19

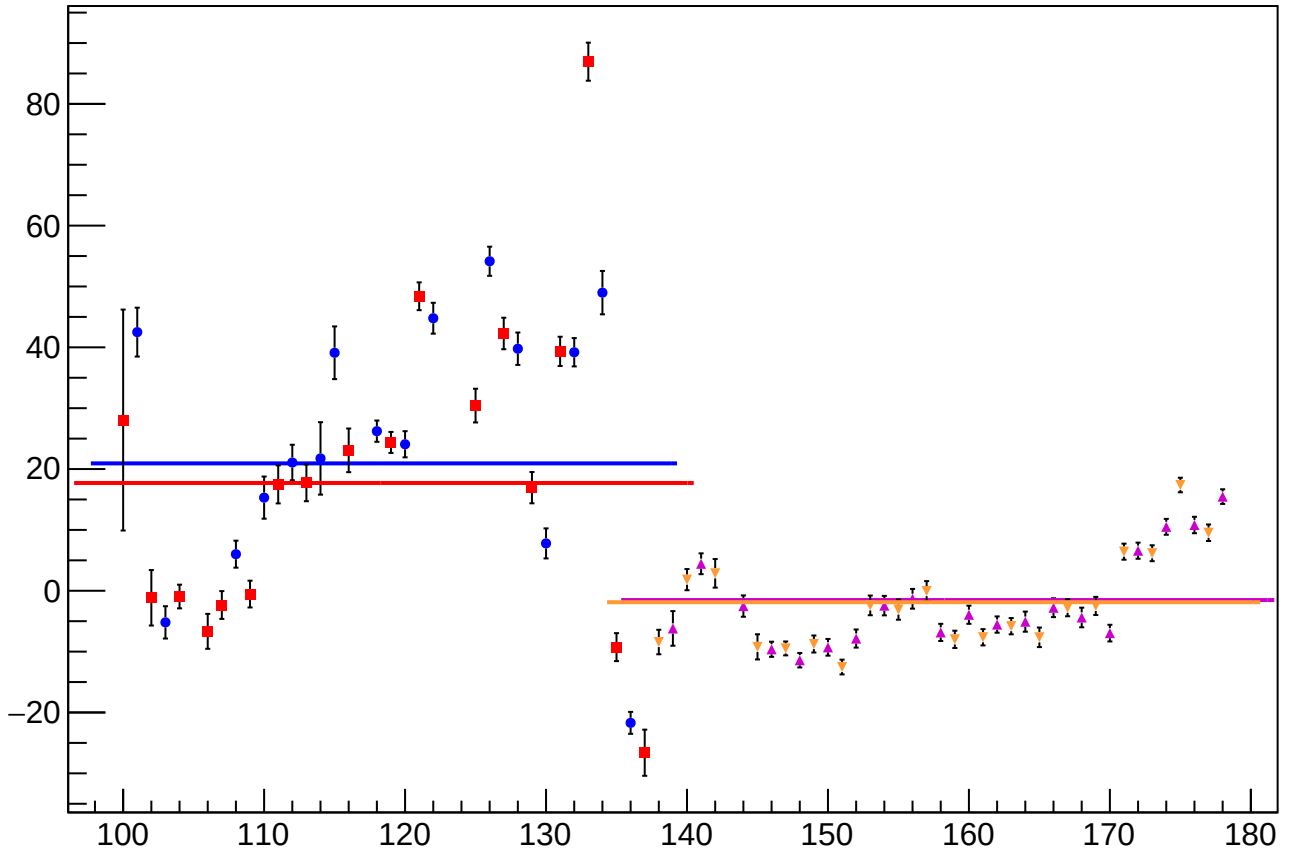
Left: 0.241+/-0.273 χ^2/NDF: 3393.6/39

Right: 59.259+/-0.415 χ^2/NDF: 11359.0/33

In: 18.206+/-0.321 χ^2/NDF:15183.6/35

Out: 17.894+/-0.324 χ^2/NDF:13678.7/37

All: 18.052+/-0.228 χ^2/NDF: 28862.7/73



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: -1.527+/-0.325 χ^2/NDF:631.3/19

Left: -1.703+/-0.230 χ^2/NDF: 1277.3/39

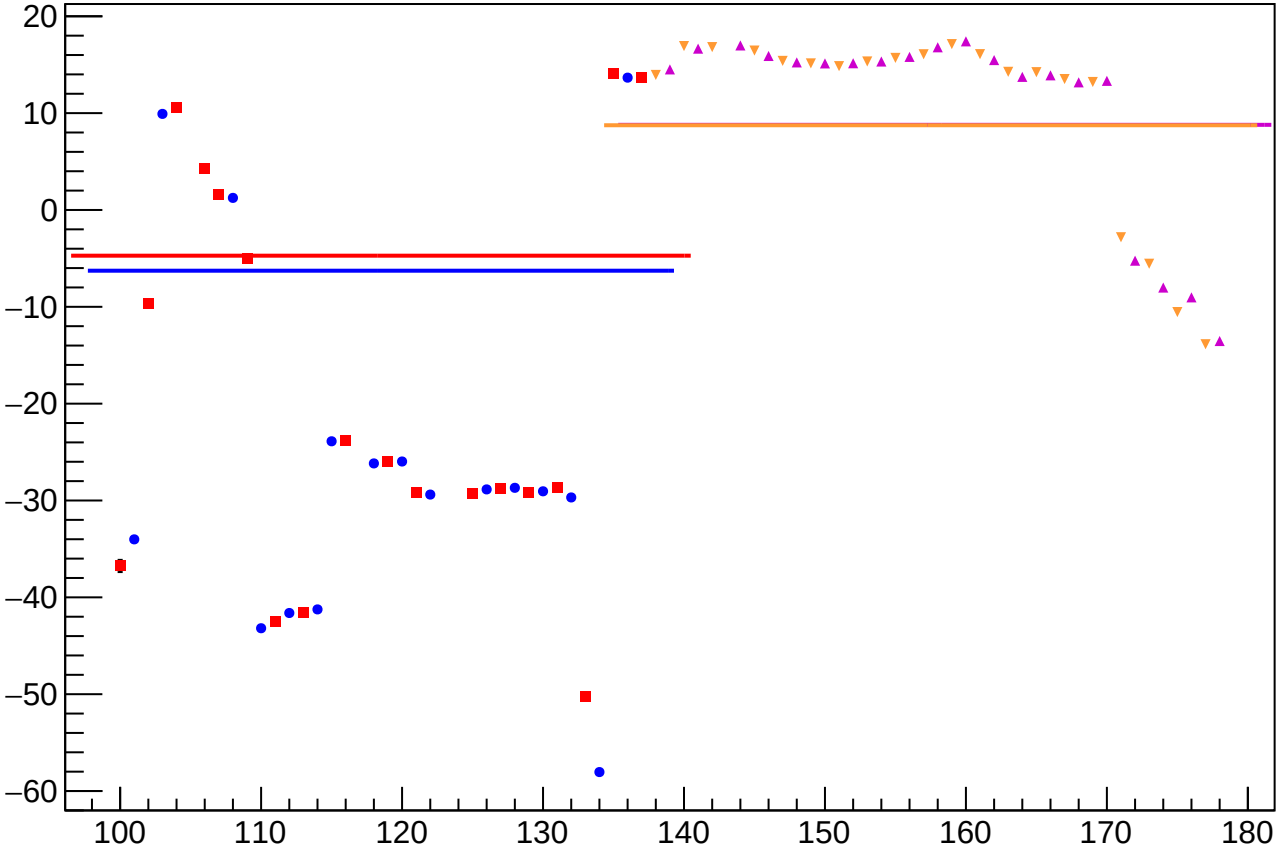
Right: 19.265+/-0.445 χ^2/NDF: 2740.4/33

In: 3.066+/-0.289 χ^2/NDF:2855.8/35

Out: 2.379+/-0.288 χ^2/NDF:2913.5/37

All: 2.721+/-0.204 χ^2/NDF: 5772.1/73

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: 8.791+/-0.014 χ^2/NDF:566827.3/19

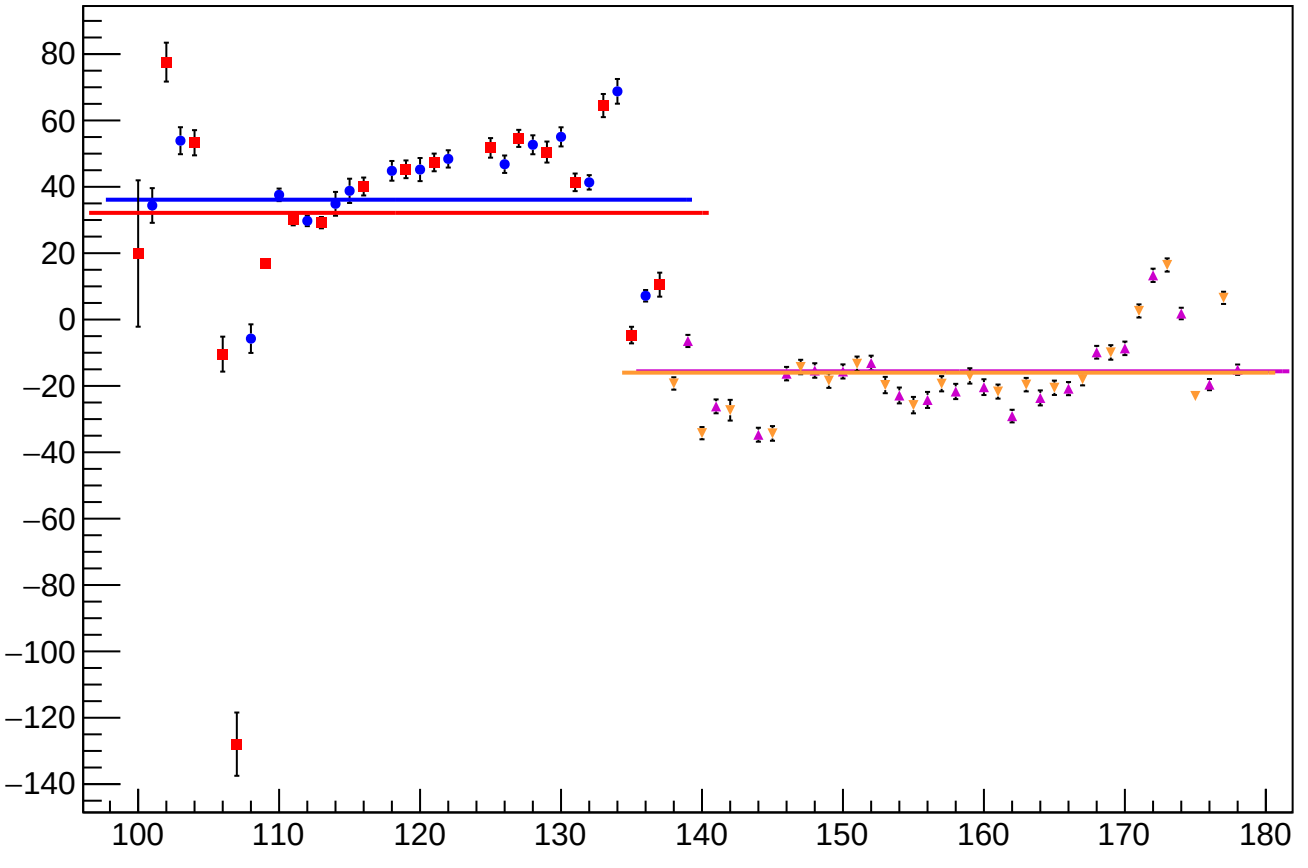
Left: 8.771+/-0.010 χ^2/NDF: 1101136.2/39

Right: -5.502+/-0.024 χ^2/NDF: 718193.1/33

In: 6.457+/-0.013 χ^2/NDF:1148981.9/35

Out: 6.602+/-0.013 χ^2/NDF:975330.4/37

All: 6.528+/-0.009 χ^2/NDF: 2124371.3/73



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: -15.596+/-0.451 χ^2/NDF:571.2/19

Left: -15.794+/-0.323 χ^2/NDF: 1327.1/39

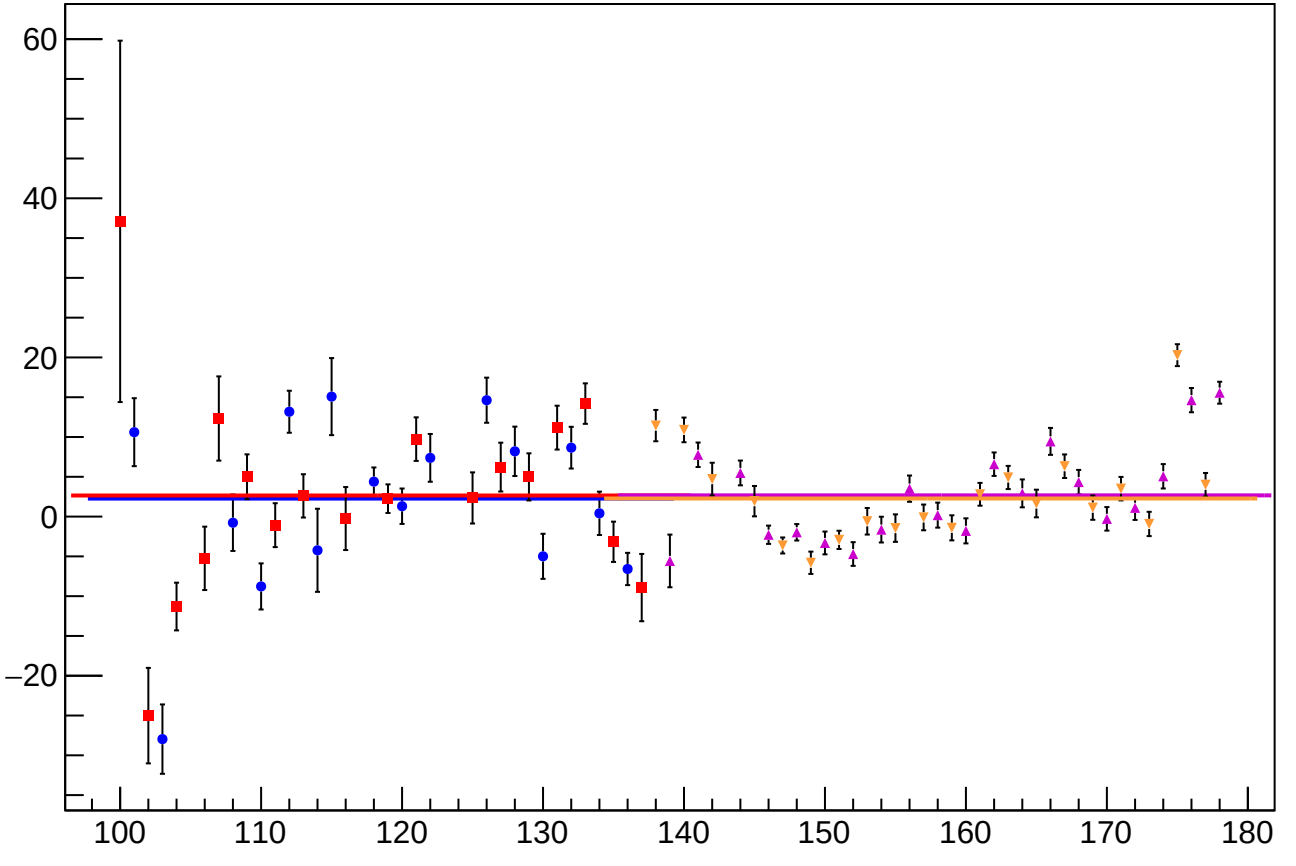
Right: 34.055+/-0.455 χ^2/NDF: 1756.4/33

In: 0.980+/-0.372 χ^2/NDF:5411.1/35

Out: 0.848+/-0.373 χ^2/NDF:5660.3/37

All: 0.914+/-0.263 χ^2/NDF: 11071.5/73

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.265+/-0.701 χ^2/NDF: 152.0/15

Left Out: 2.274+/-0.334 χ^2/NDF:346.9/19

Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

Left In: 2.667+/-0.334 χ^2/NDF:300.1/19

Left: 2.470+/-0.236 χ^2/NDF: 647.8/39

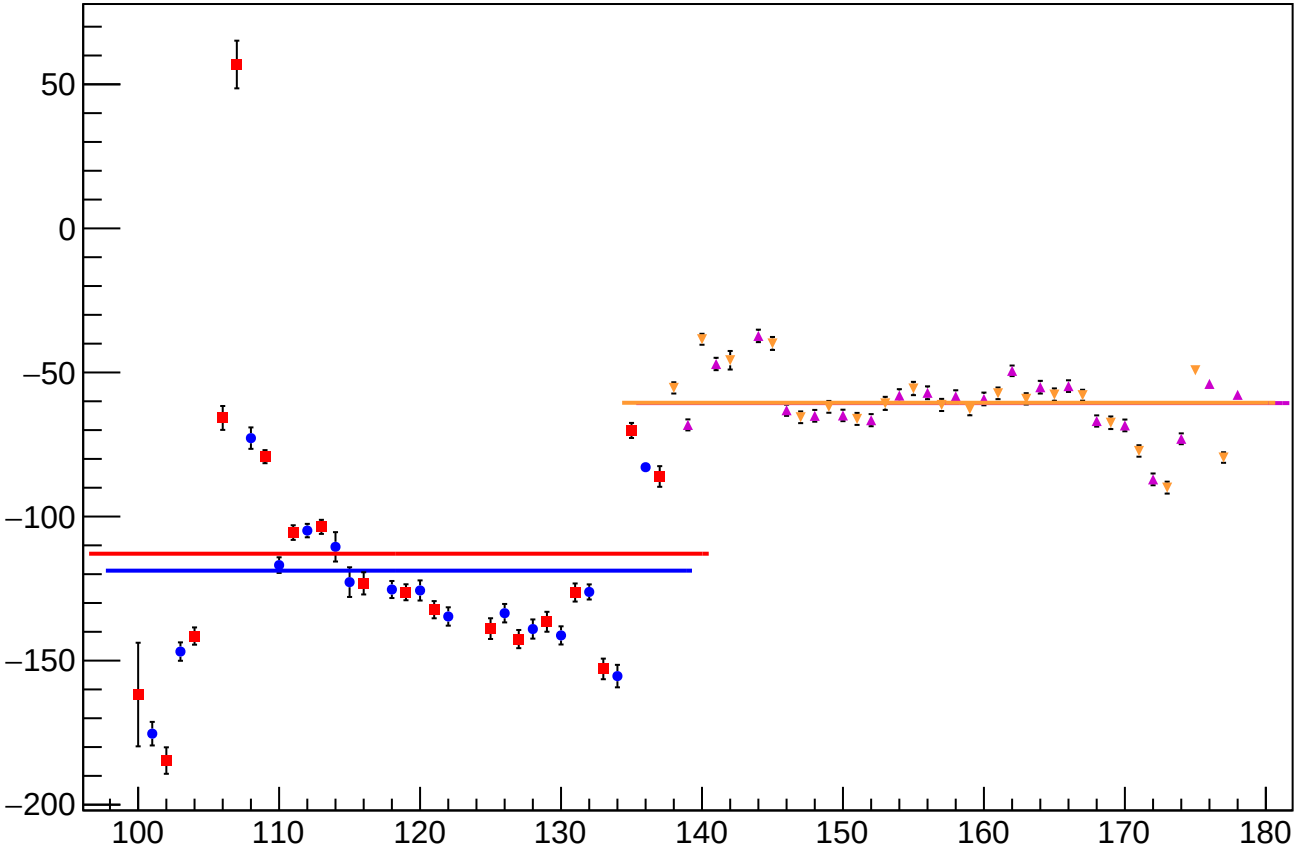
Right: 2.454+/-0.501 χ^2/NDF: 259.4/33

In: 2.593+/-0.302 χ^2/NDF:452.4/35

Out: 2.341+/-0.303 χ^2/NDF:454.4/37

All: 2.467+/-0.214 χ^2/NDF: 907.1/73

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -60.516+/-0.455 χ^2/NDF:723.8/19

Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -60.633+/-0.444 χ^2/NDF:502.6/19

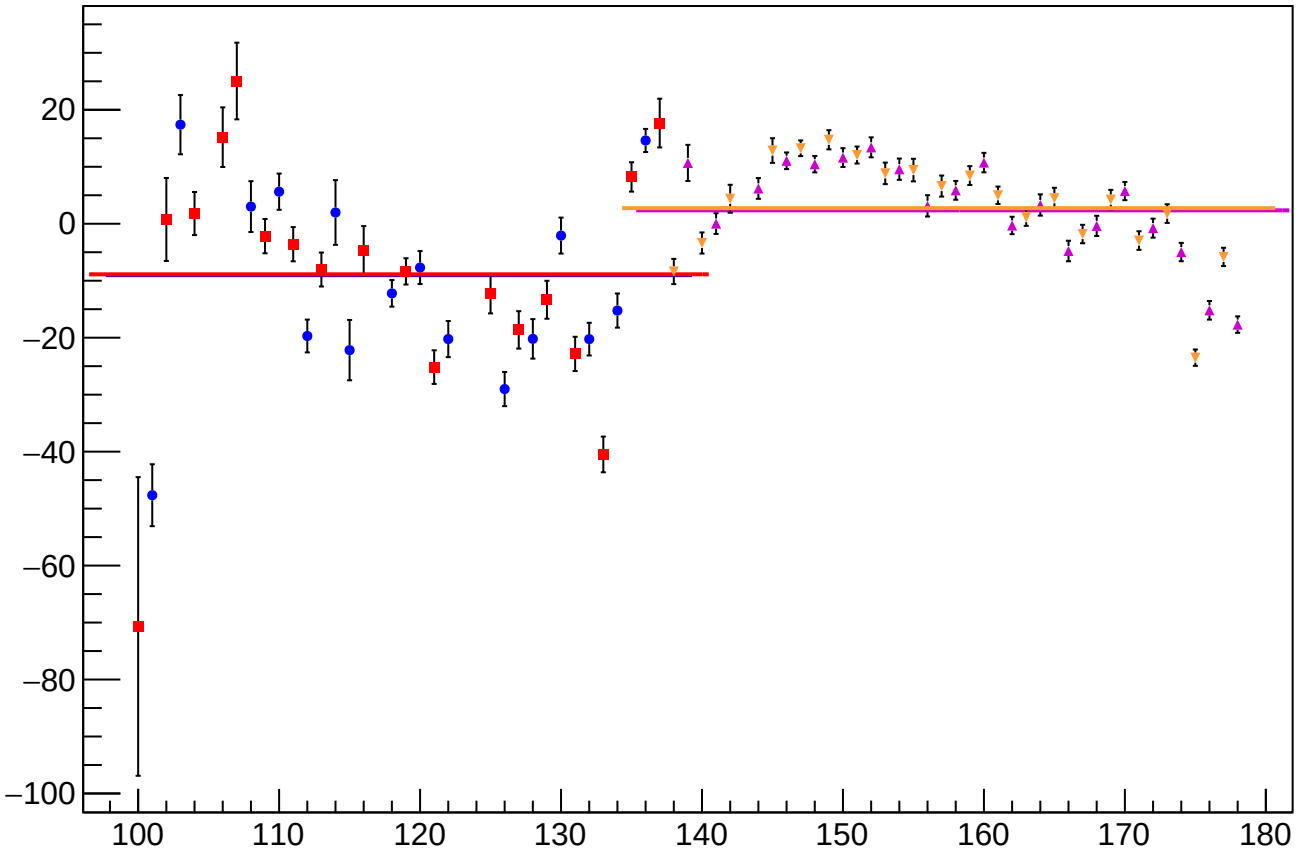
Left: -60.576+/-0.318 χ^2/NDF: 1226.4/39

Right: -115.855+/-0.537 χ^2/NDF: 3012.4/33

In: -75.528+/-0.383 χ^2/NDF:6012.6/35

Out: -74.303+/-0.390 χ^2/NDF:6078.2/37

All: -74.927+/-0.273 χ^2/NDF: 12095.8/73



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: 2.350+/-0.379 χ^2/NDF:553.2/19

Left: 2.544+/-0.269 χ^2/NDF: 1187.7/39

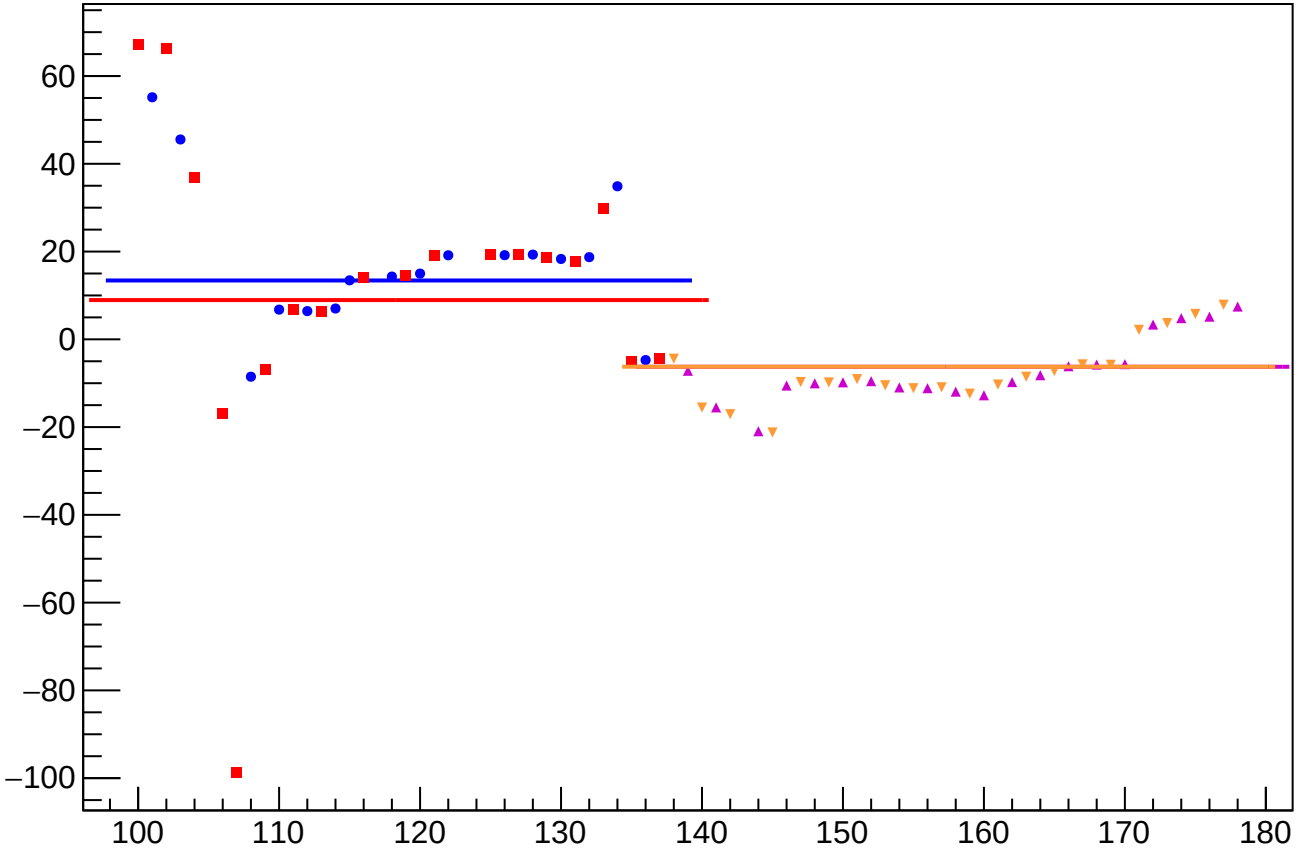
Right: -8.951+/-0.568 χ^2/NDF: 676.8/33

In: 0.247+/-0.342 χ^2/NDF:1077.8/35

Out: 0.641+/-0.344 χ^2/NDF:1121.0/37

All: 0.443+/-0.243 χ^2/NDF: 2199.4/73

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: -6.257+/-0.017 χ^2/NDF:182960.6/19

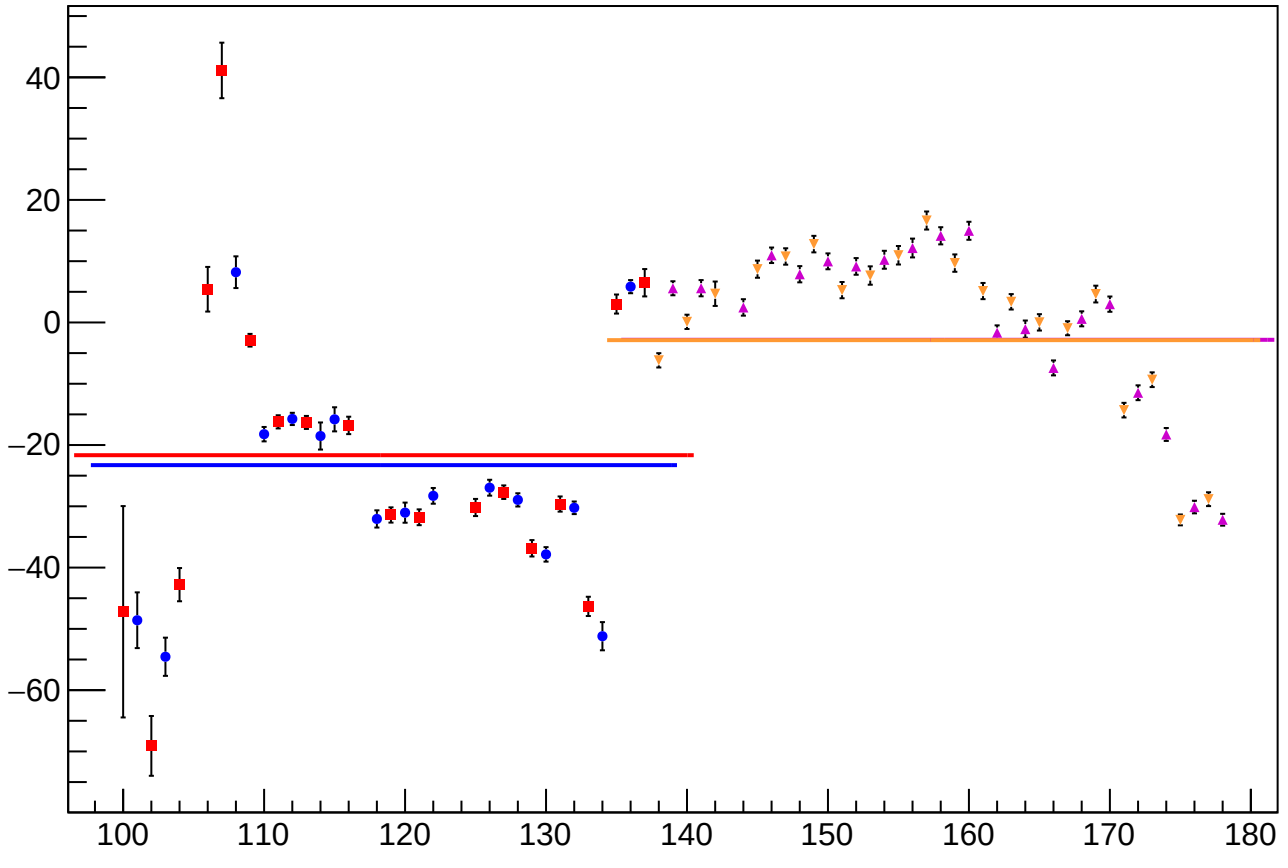
Left: -6.252+/-0.012 χ^2/NDF: 370983.4/39

Right: 11.280+/-0.033 χ^2/NDF: 479481.6/33

In: -3.907+/-0.016 χ^2/NDF:532801.4/35

Out: -4.499+/-0.016 χ^2/NDF:570019.7/37

All: -4.195+/-0.011 χ^2/NDF: 1103516.9/73



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: -2.829+/-0.279 χ^2/NDF:2875.8/19

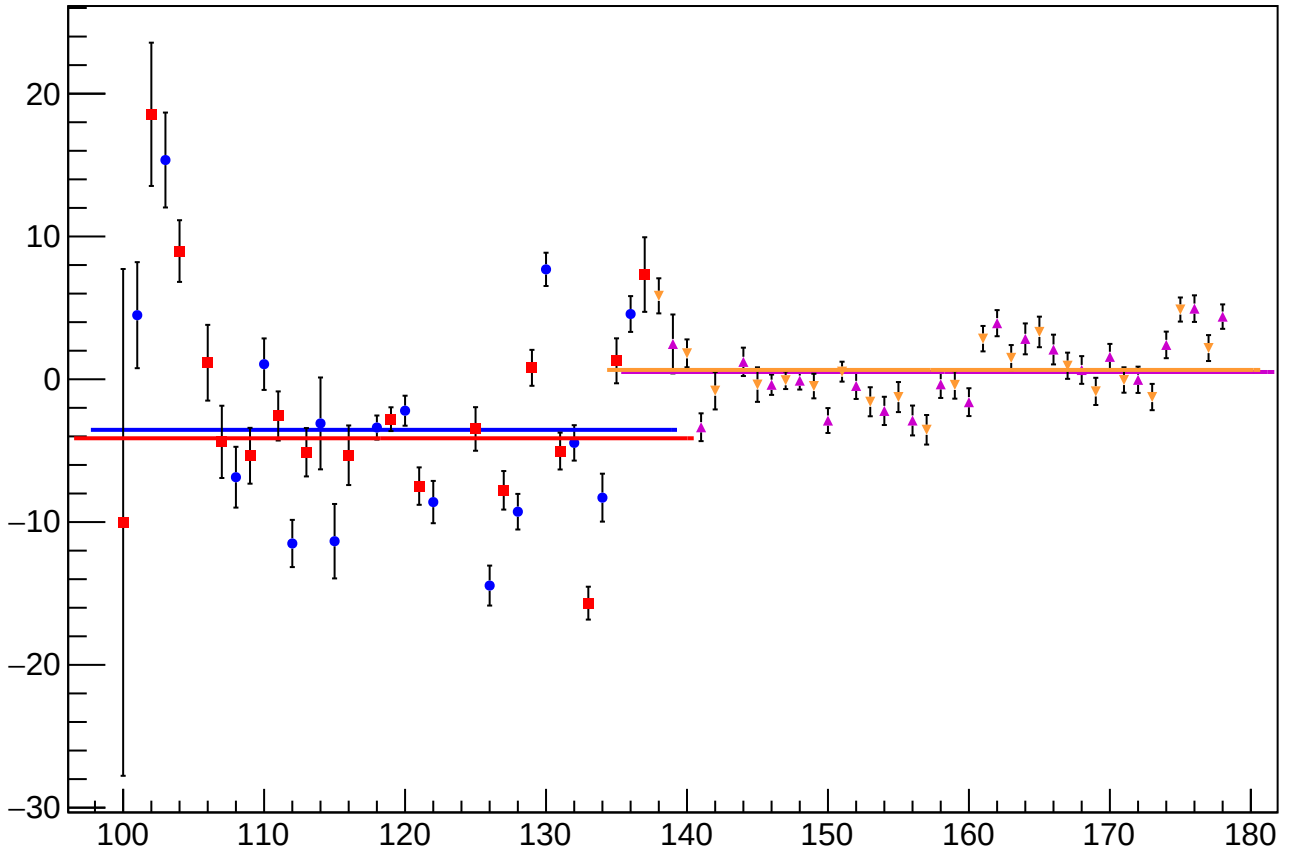
Left: -2.856+/-0.199 χ^2/NDF: 5480.1/39

Right: -22.463+/-0.247 χ^2/NDF: 3392.3/33

In: -10.750+/-0.218 χ^2/NDF:6531.1/35

Out: -10.458+/-0.221 χ^2/NDF:6161.1/37

All: -10.606+/-0.155 χ^2/NDF: 12693.2/73



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: 0.510+/-0.206 χ^2/NDF:129.7/19

Left: 0.582+/-0.146 χ^2/NDF: 228.4/39

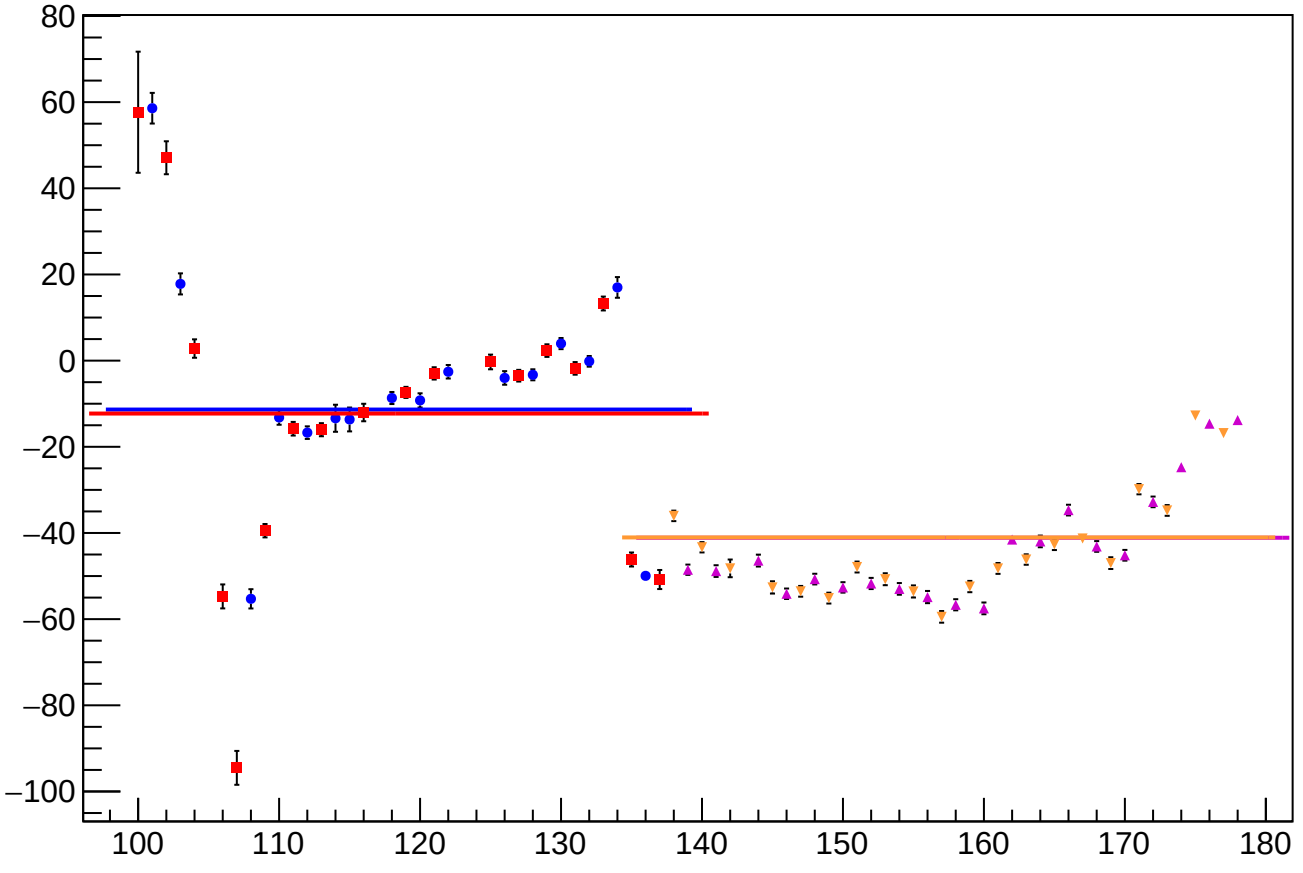
Right: -3.830+/-0.259 χ^2/NDF: 545.5/33

In: -0.479+/-0.179 χ^2/NDF:540.8/35

Out: -0.473+/-0.180 χ^2/NDF:453.4/37

All: -0.476+/-0.127 χ^2/NDF: 994.2/73

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -41.036+/-0.281 χ^2/NDF:2415.3/19

Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -41.110+/-0.274 χ^2/NDF:2662.1/19

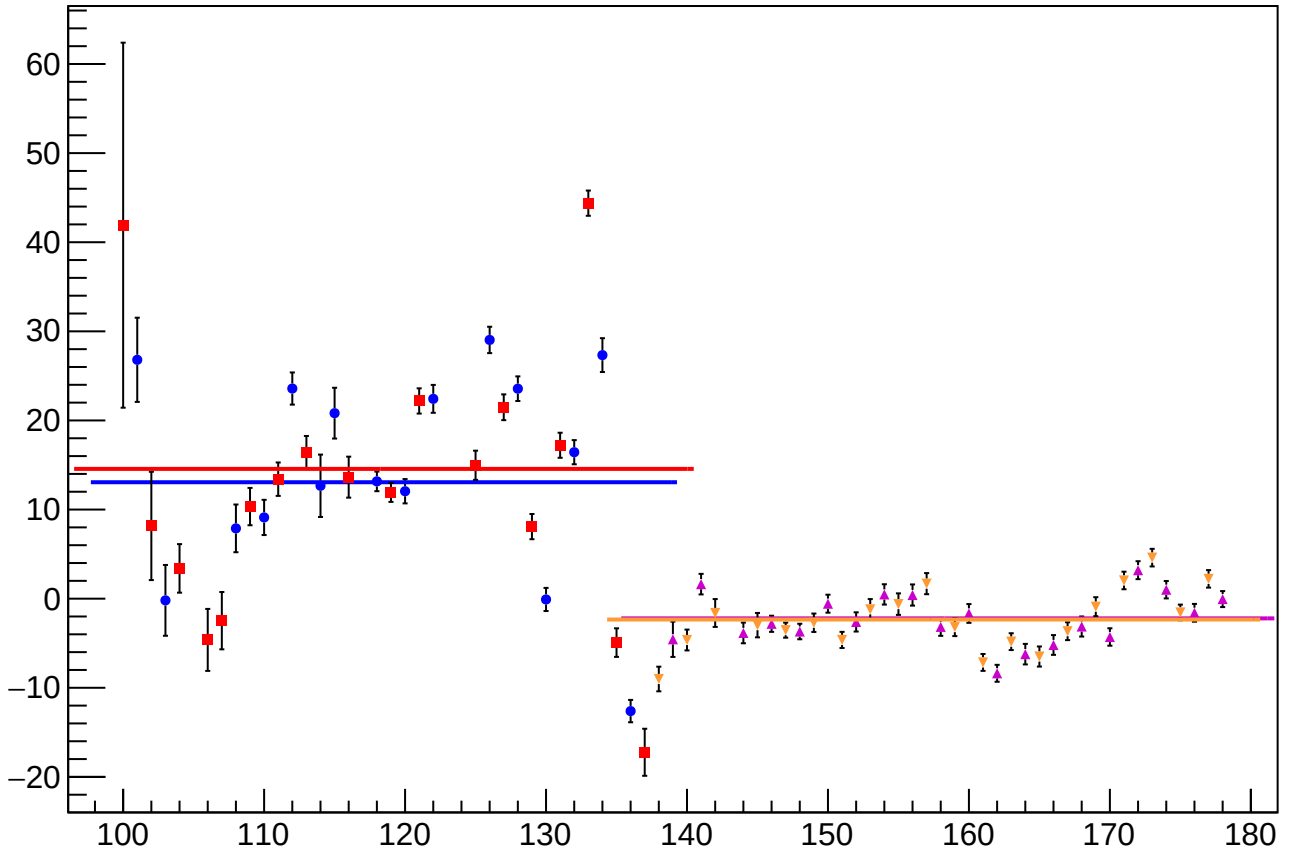
Left: -41.073+/-0.196 χ^2/NDF: 5077.5/39

Right: -11.809+/-0.289 χ^2/NDF: 5254.6/33

In: -31.771+/-0.227 χ^2/NDF:9014.9/35

Out: -31.955+/-0.232 χ^2/NDF:8320.0/37

All: -31.861+/-0.162 χ^2/NDF: 17335.2/73



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: -2.212+/-0.234 χ^2/NDF:144.8/19

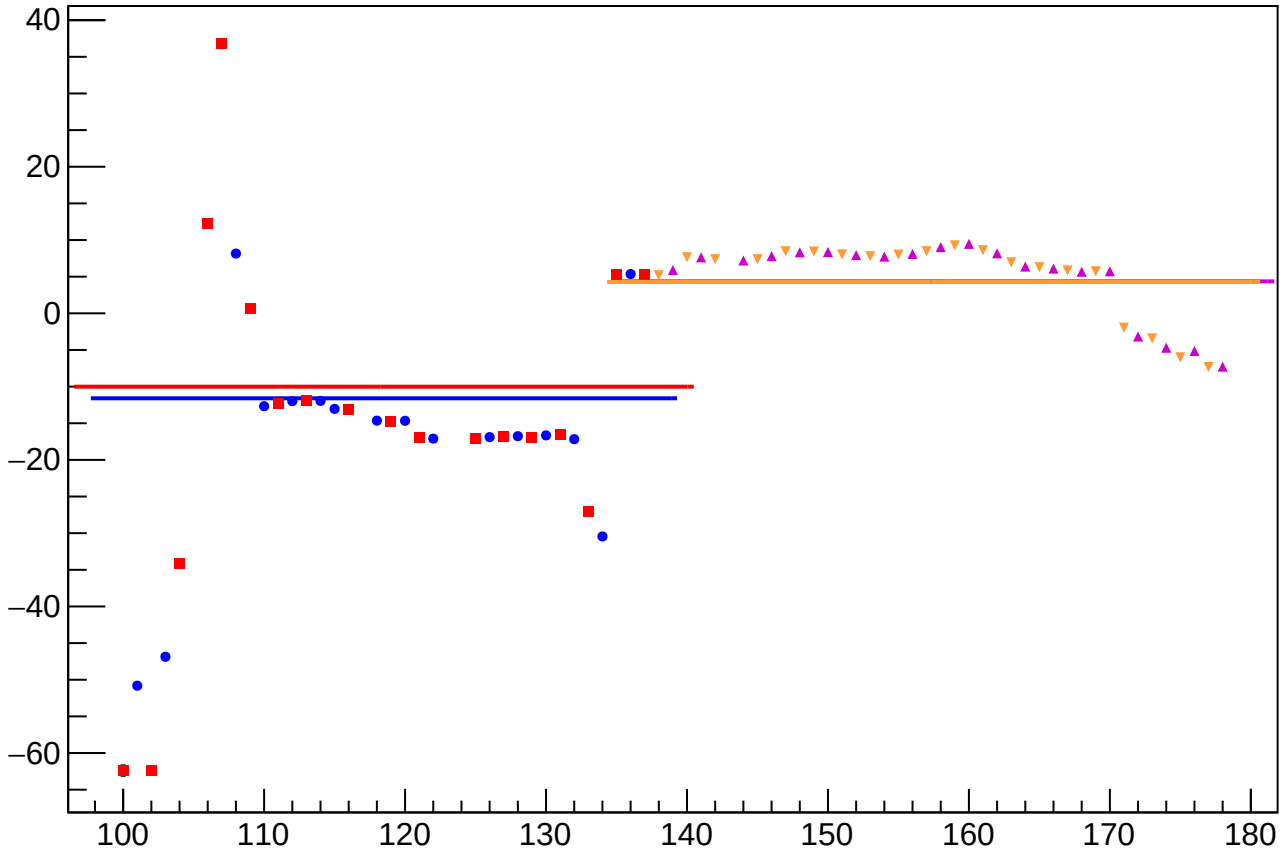
Left: -2.276+/-0.166 χ^2/NDF: 337.8/39

Right: 13.801+/-0.296 χ^2/NDF: 1772.9/33

In: 1.473+/-0.204 χ^2/NDF:2038.0/35

Out: 1.641+/-0.205 χ^2/NDF:2319.5/37

All: 1.557+/-0.145 χ^2/NDF: 4357.9/73



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: 4.360+/-0.010 χ^2/NDF:288019.0/19

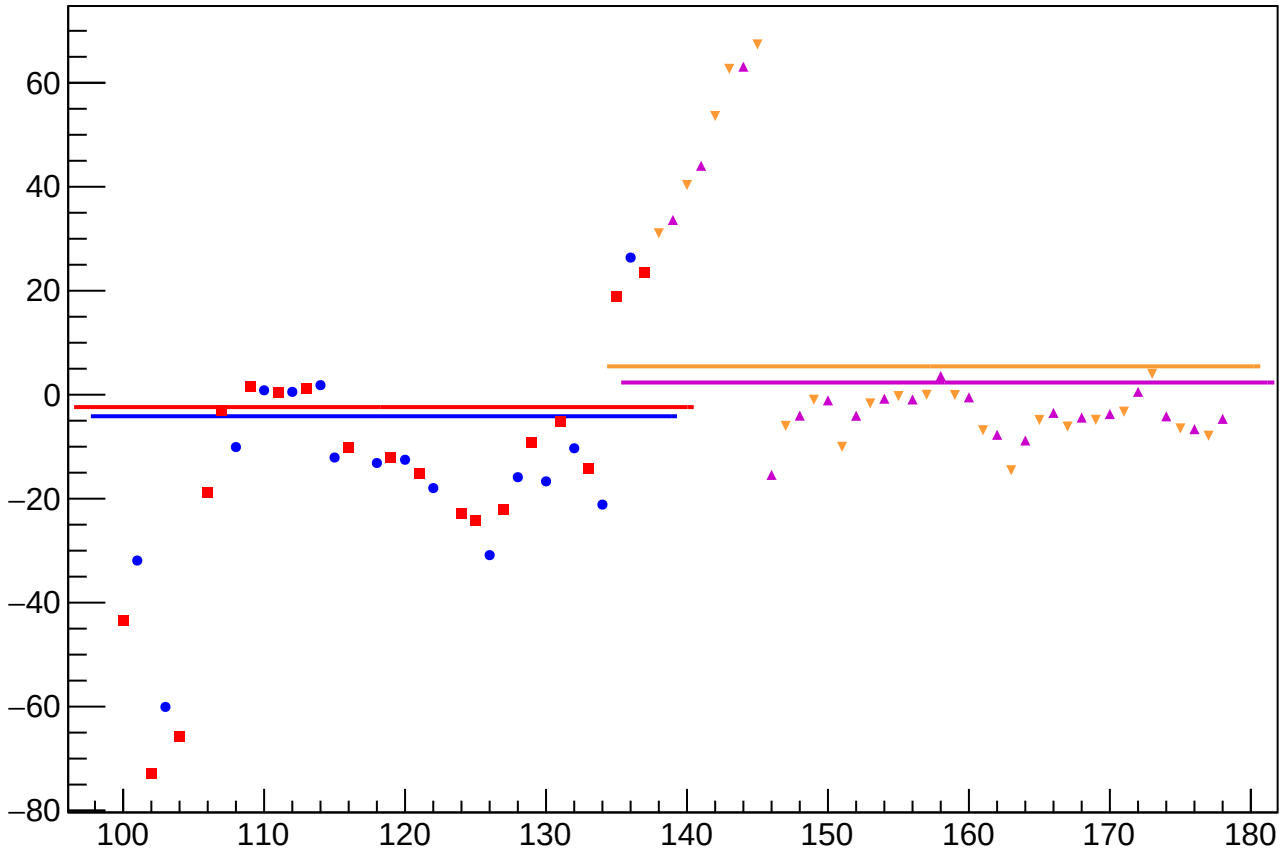
Left: 4.323+/-0.007 χ^2/NDF: 564952.1/39

Right: -10.837+/-0.019 χ^2/NDF: 758546.1/33

In: 2.239+/-0.010 χ^2/NDF:967437.9/35

Out: 2.445+/-0.010 χ^2/NDF:909615.4/37

All: 2.340+/-0.007 χ^2/NDF: 1877278.9/73



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: 2.345+/-0.046 χ^2/NDF:128467.6/19

Left: 3.728+/-0.034 χ^2/NDF: 297304.4/40

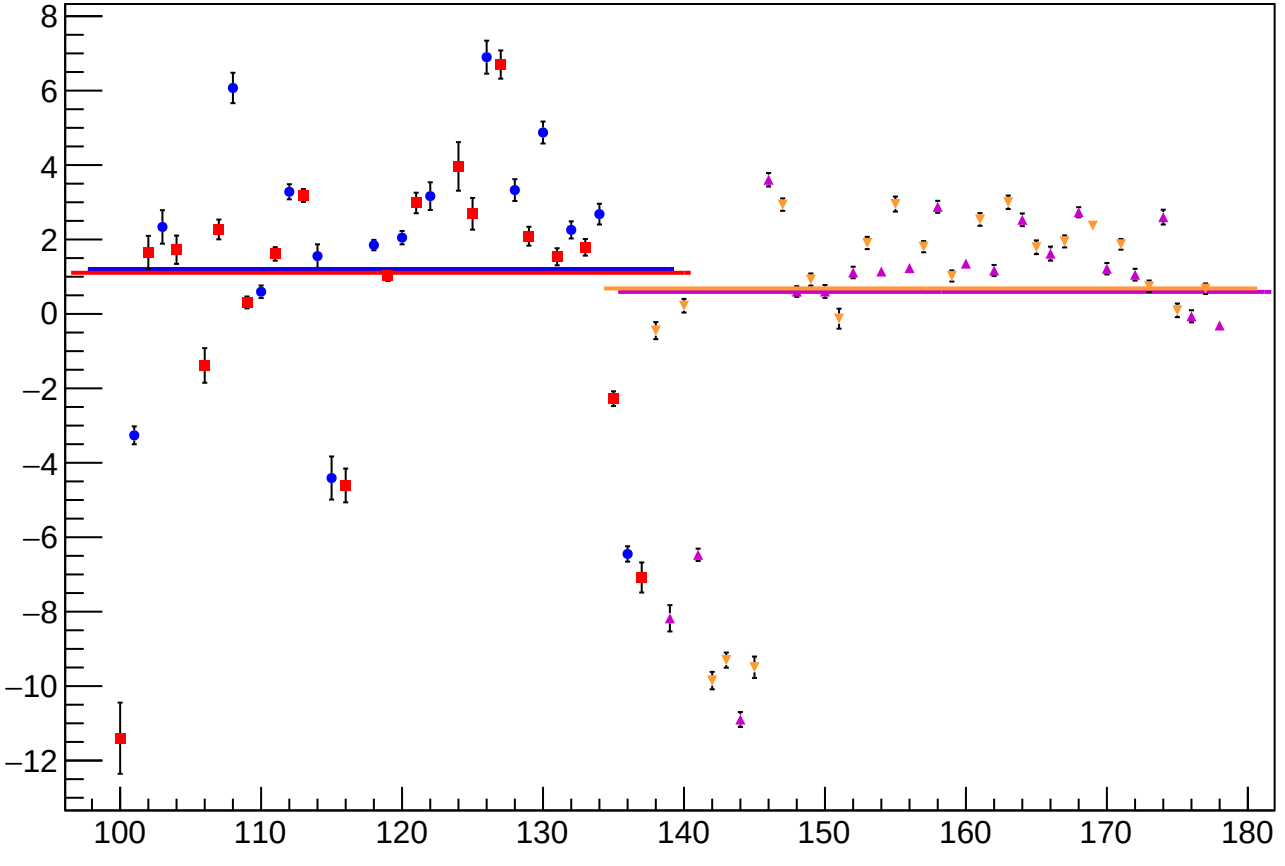
Right: -3.115+/-0.035 χ^2/NDF: 156619.4/34

In: -0.317+/-0.035 χ^2/NDF:212040.4/35

Out: 1.149+/-0.034 χ^2/NDF:260516.0/39

All: 0.433+/-0.024 χ^2/NDF: 473452.5/75

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: 0.592+/-0.034 χ^2/NDF:6892.3/19

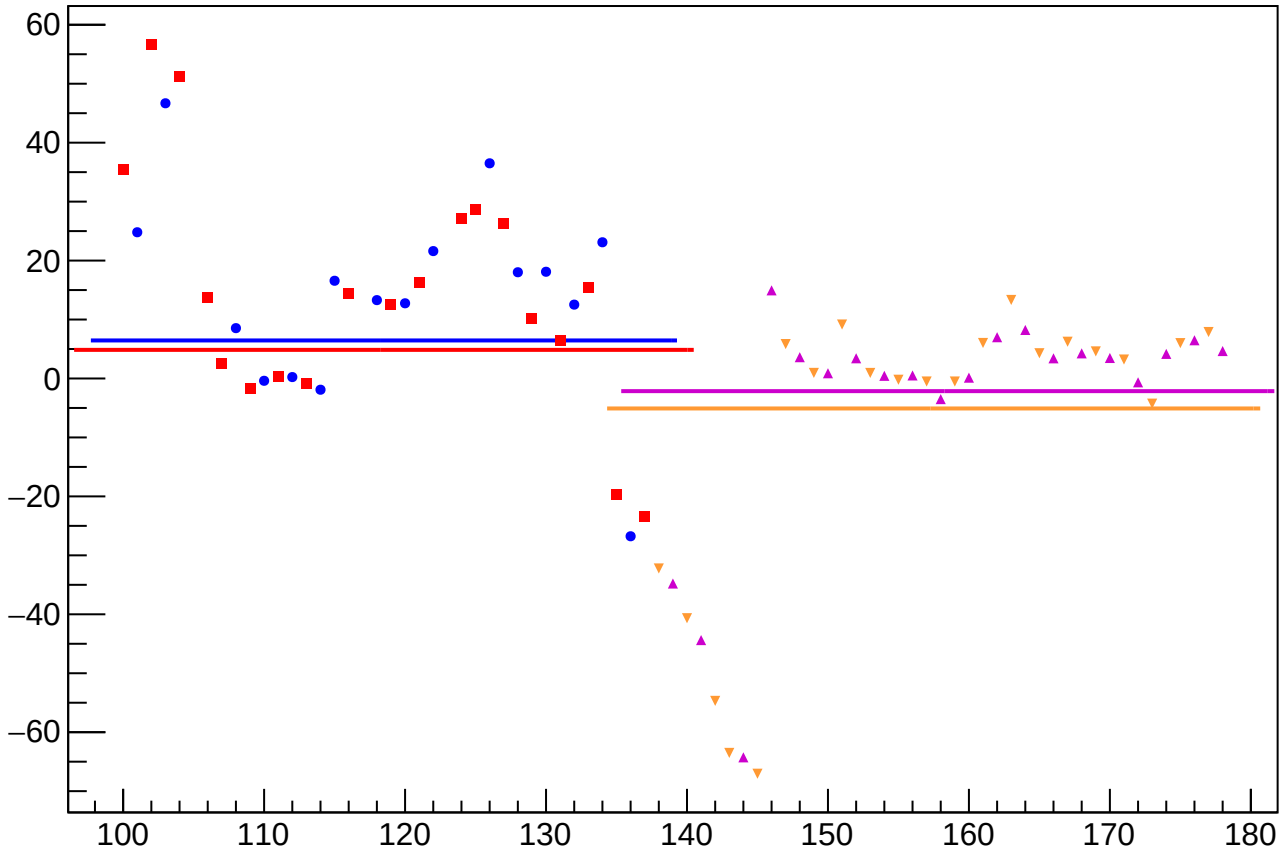
Left: 0.633+/-0.025 χ^2/NDF: 13642.6/40

Right: 1.153+/-0.042 χ^2/NDF: 4173.1/34

In: 0.740+/-0.030 χ^2/NDF:9555.2/35

Out: 0.813+/-0.032 χ^2/NDF:8371.7/39

All: 0.774+/-0.022 χ^2/NDF: 17929.8/75



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: -2.147+/-0.044 χ^2/NDF:125431.9/19

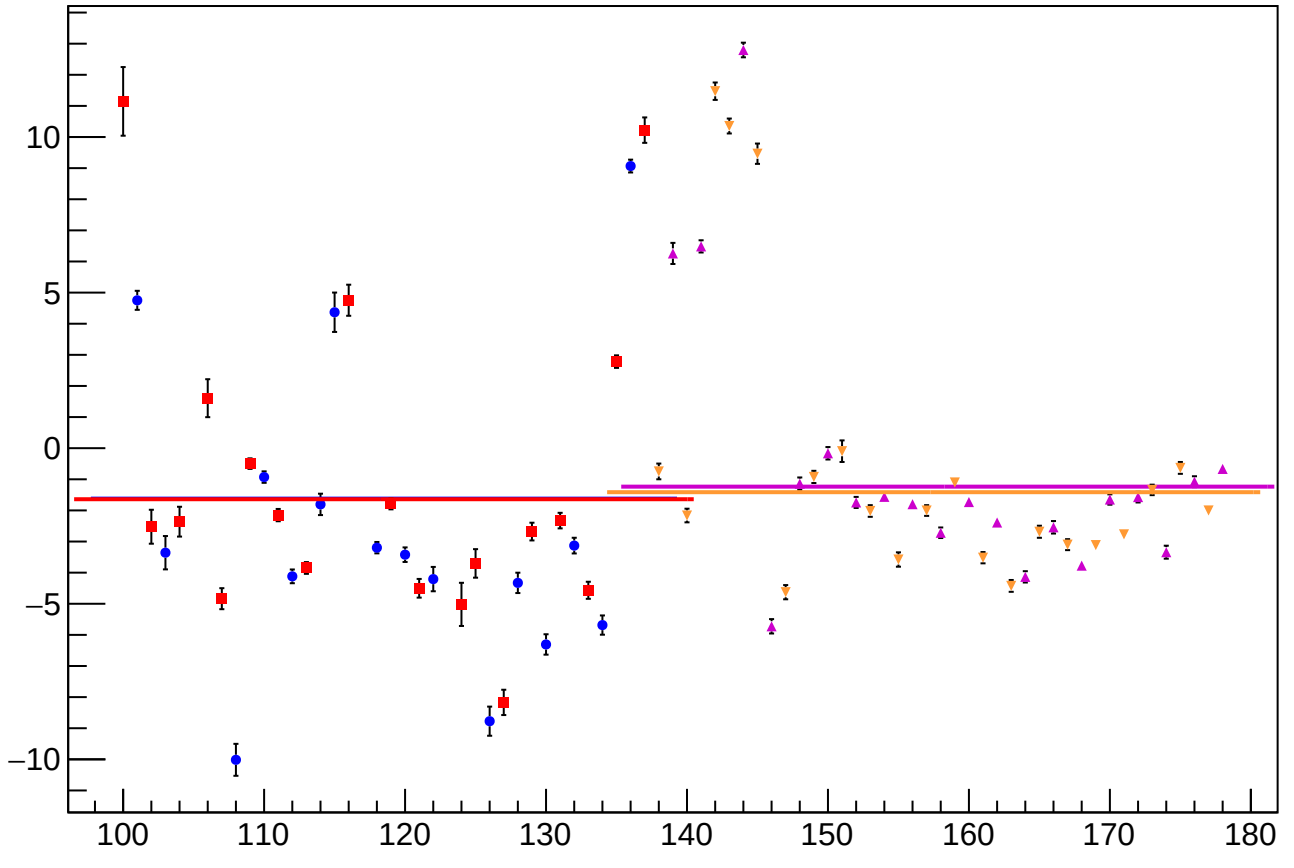
Left: -3.439+/-0.033 χ^2/NDF: 288781.6/40

Right: 5.576+/-0.044 χ^2/NDF: 146268.1/34

In: 0.585+/-0.037 χ^2/NDF:207969.7/35

Out: -0.924+/-0.038 χ^2/NDF:253107.8/39

All: -0.139+/-0.027 χ^2/NDF: 461885.5/75



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: -1.236+/-0.038 χ^2/NDF:6856.5/19

Left: -1.315+/-0.028 χ^2/NDF: 13606.9/40

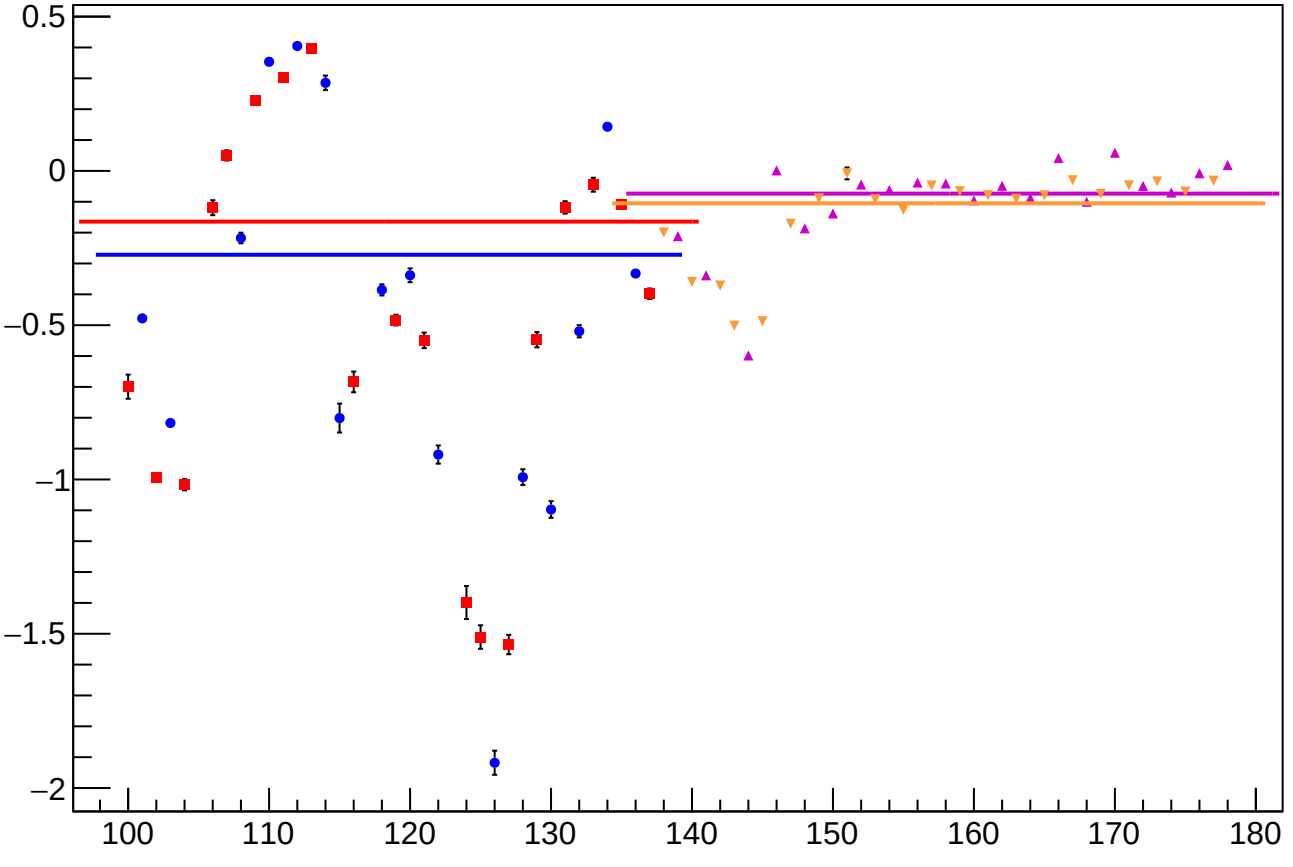
Right: -1.632+/-0.047 χ^2/NDF: 6987.4/34

In: -1.325+/-0.033 χ^2/NDF:11405.4/35

Out: -1.482+/-0.035 χ^2/NDF:9211.3/39

All: -1.399+/-0.024 χ^2/NDF: 20627.2/75

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.105+/-0.002 χ^2/NDF:3632.3/20

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

Left In: -0.074+/-0.002 χ^2/NDF:4011.9/19

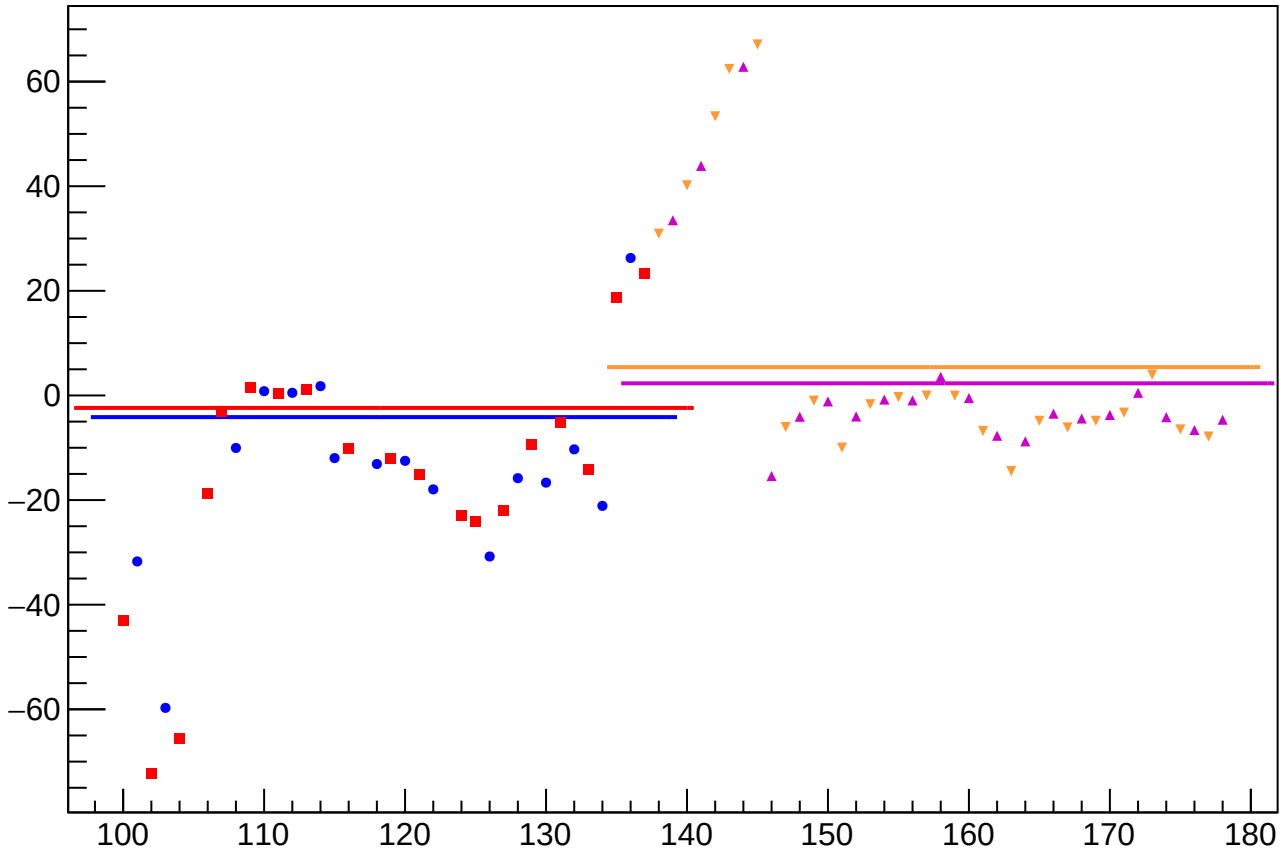
Left: -0.087+/-0.001 χ^2/NDF: 7807.2/40

Right: -0.213+/-0.003 χ^2/NDF: 27909.3/34

In: -0.100+/-0.002 χ^2/NDF:18035.6/35

Out: -0.116+/-0.002 χ^2/NDF:19326.6/39

All: -0.107+/-0.001 χ^2/NDF: 37417.6/75



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: 2.319+/-0.045 χ^2/NDF:128350.9/19

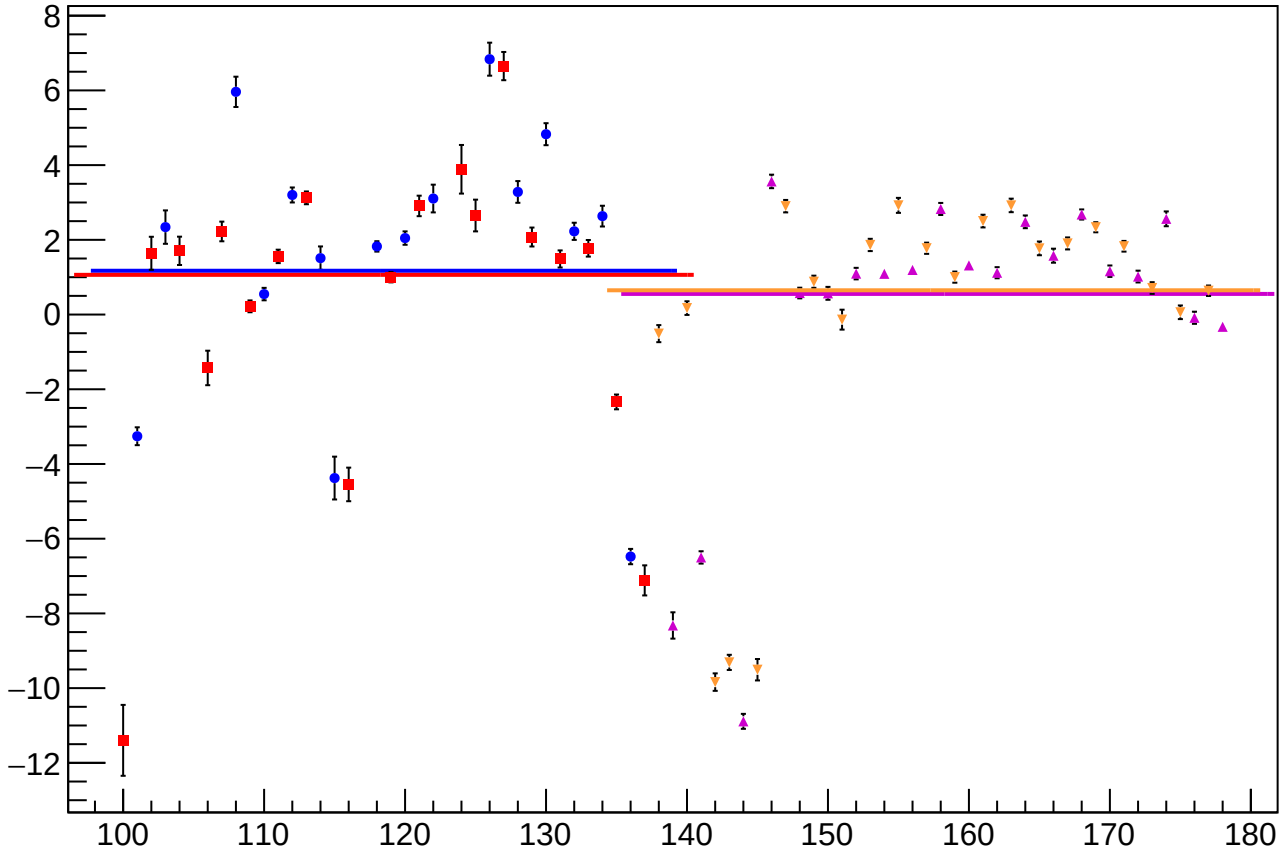
Left: 3.699+/-0.034 χ^2/NDF: 296958.1/40

Right: -3.111+/-0.035 χ^2/NDF: 156520.4/34

In: -0.339+/-0.035 χ^2/NDF:211899.3/35

Out: 1.122+/-0.034 χ^2/NDF:260205.9/39

All: 0.409+/-0.024 χ^2/NDF: 473005.1/75



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: 0.552+/-0.034 χ^2/NDF:6905.9/19

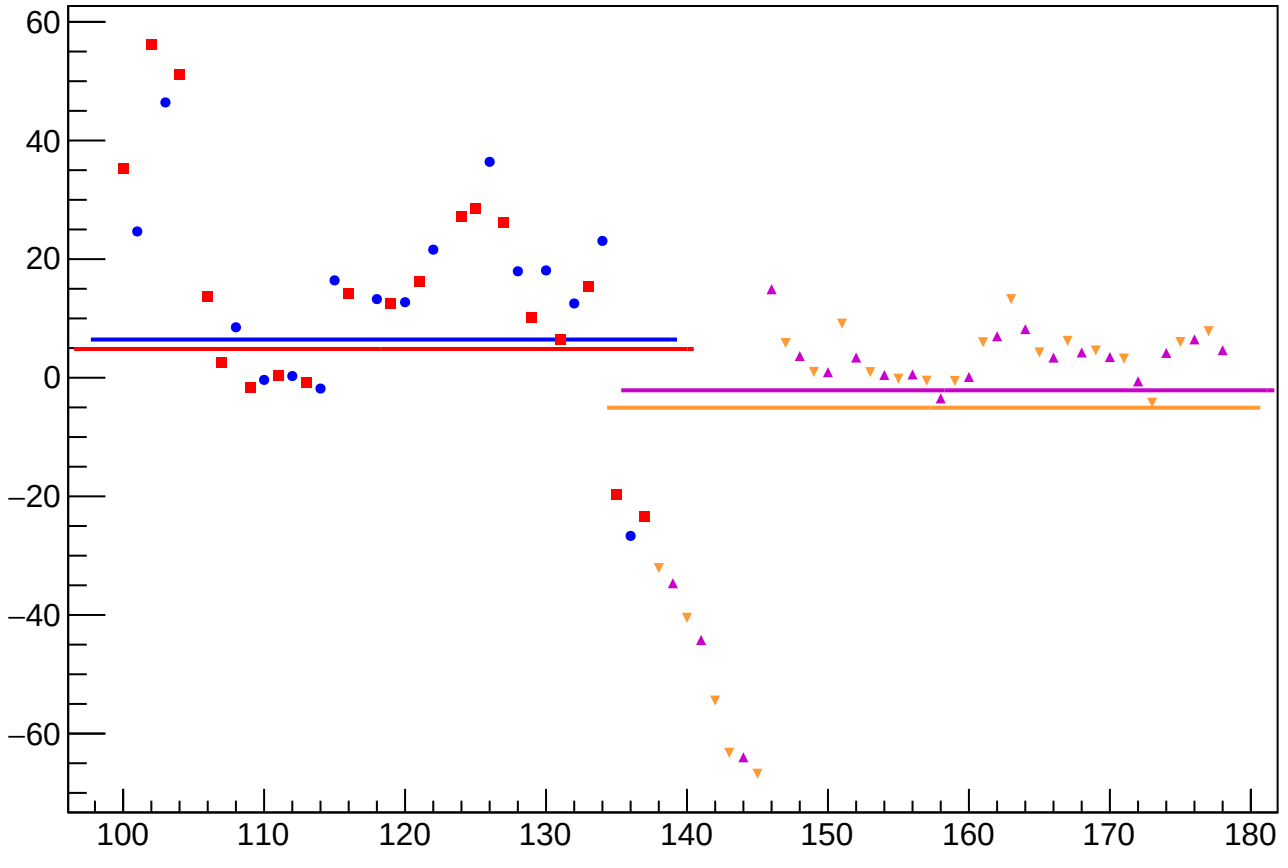
Left: 0.596+/-0.025 χ^2/NDF: 13660.5/40

Right: 1.115+/-0.041 χ^2/NDF: 4182.7/34

In: 0.702+/-0.030 χ^2/NDF:9571.1/35

Out: 0.776+/-0.031 χ^2/NDF:8384.1/39

All: 0.736+/-0.022 χ^2/NDF: 17958.1/75



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: -2.121+/-0.044 χ^2/NDF:125313.4/19

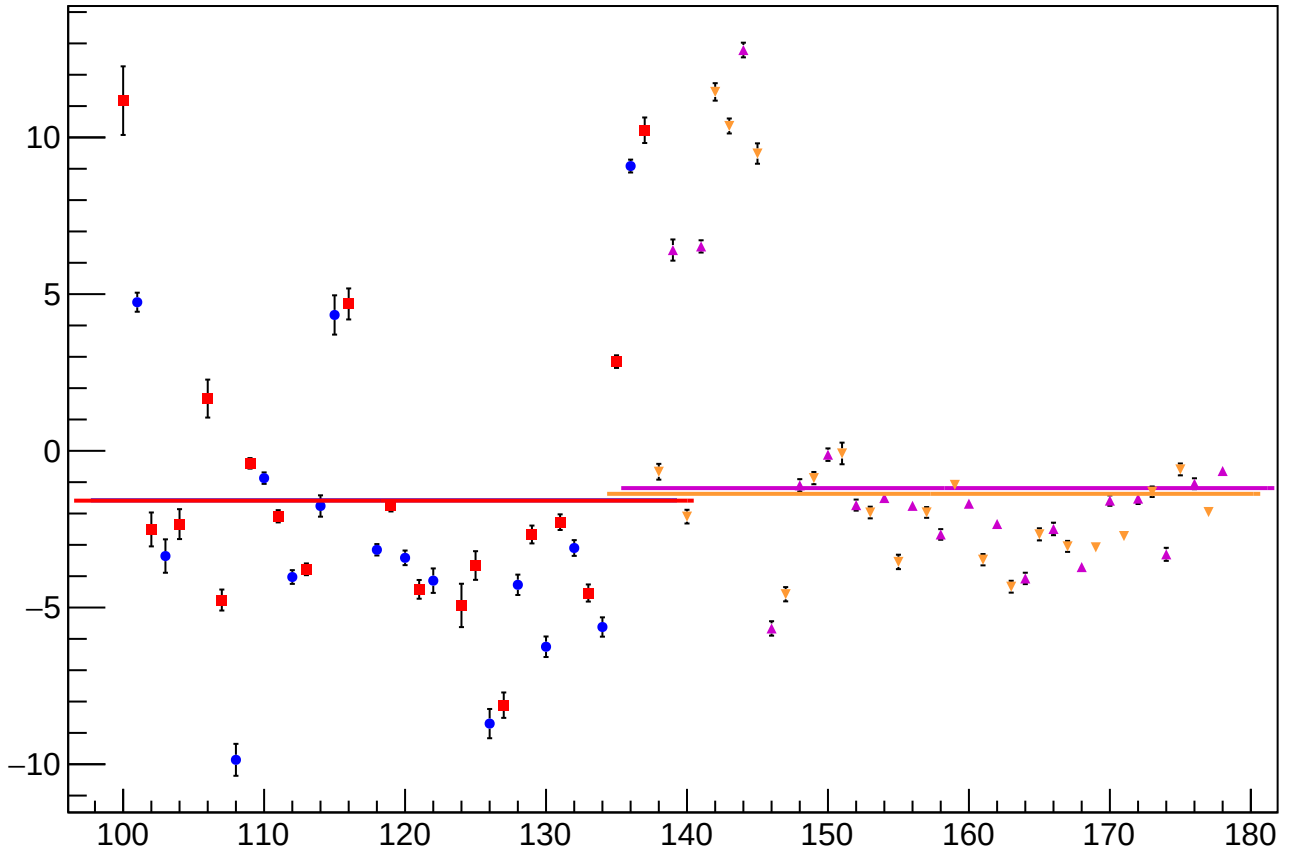
Left: -3.411+/-0.033 χ^2/NDF: 288438.7/40

Right: 5.568+/-0.044 χ^2/NDF: 146121.3/34

In: 0.609+/-0.037 χ^2/NDF:207820.2/35

Out: -0.895+/-0.038 χ^2/NDF:252798.8/39

All: -0.113+/-0.026 χ^2/NDF: 461428.5/75



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: -1.189+/-0.038 χ^2/NDF:6869.6/19

Left: -1.271+/-0.028 χ^2/NDF: 13619.0/40

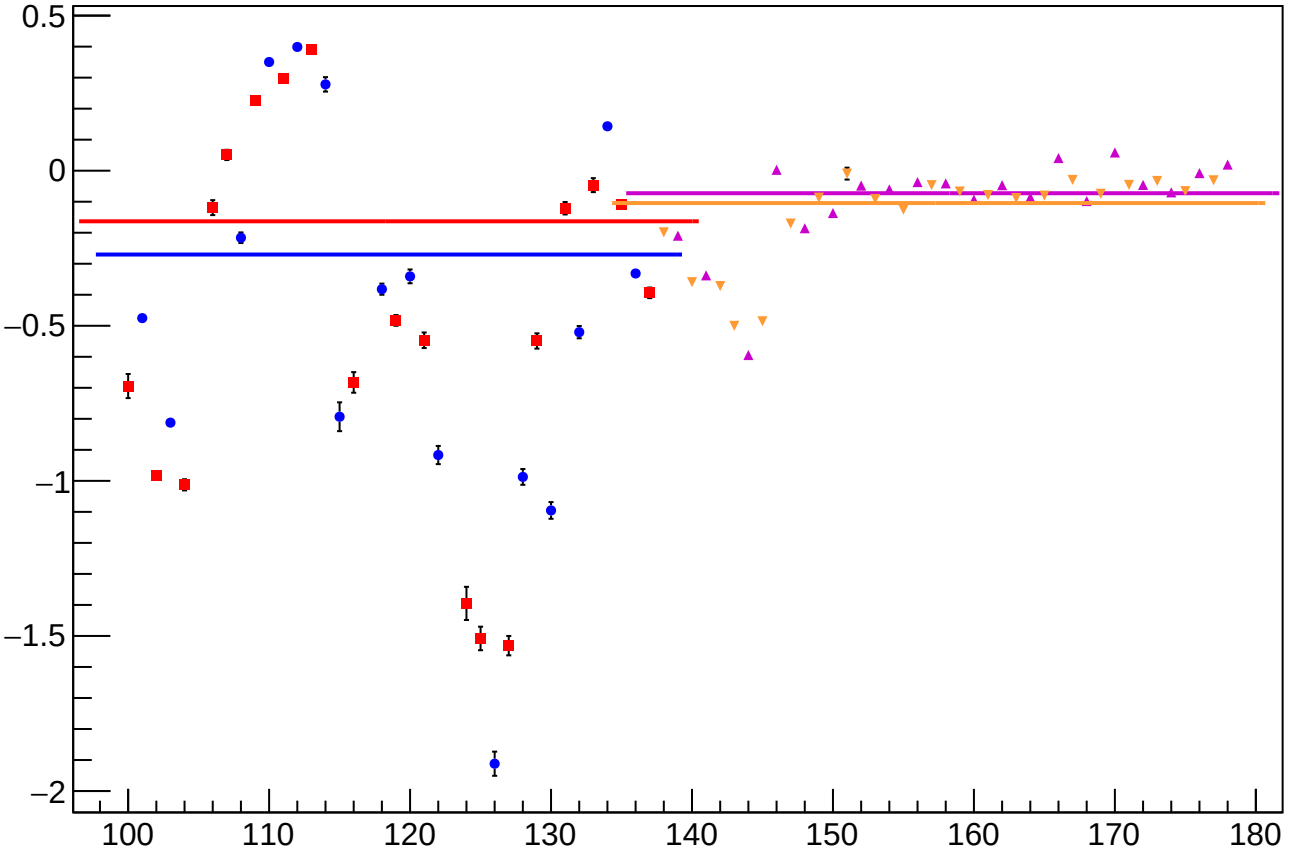
Right: -1.585+/-0.047 χ^2/NDF: 6996.4/34

In: -1.279+/-0.033 χ^2/NDF:11418.4/35

Out: -1.438+/-0.035 χ^2/NDF:9219.2/39

All: -1.354+/-0.024 χ^2/NDF: 20648.2/75

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.104+/-0.002 χ^2/NDF:3650.8/20

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

Left In: -0.073+/-0.002 χ^2/NDF:3992.8/19

Left: -0.086+/-0.001 χ^2/NDF: 7810.5/40

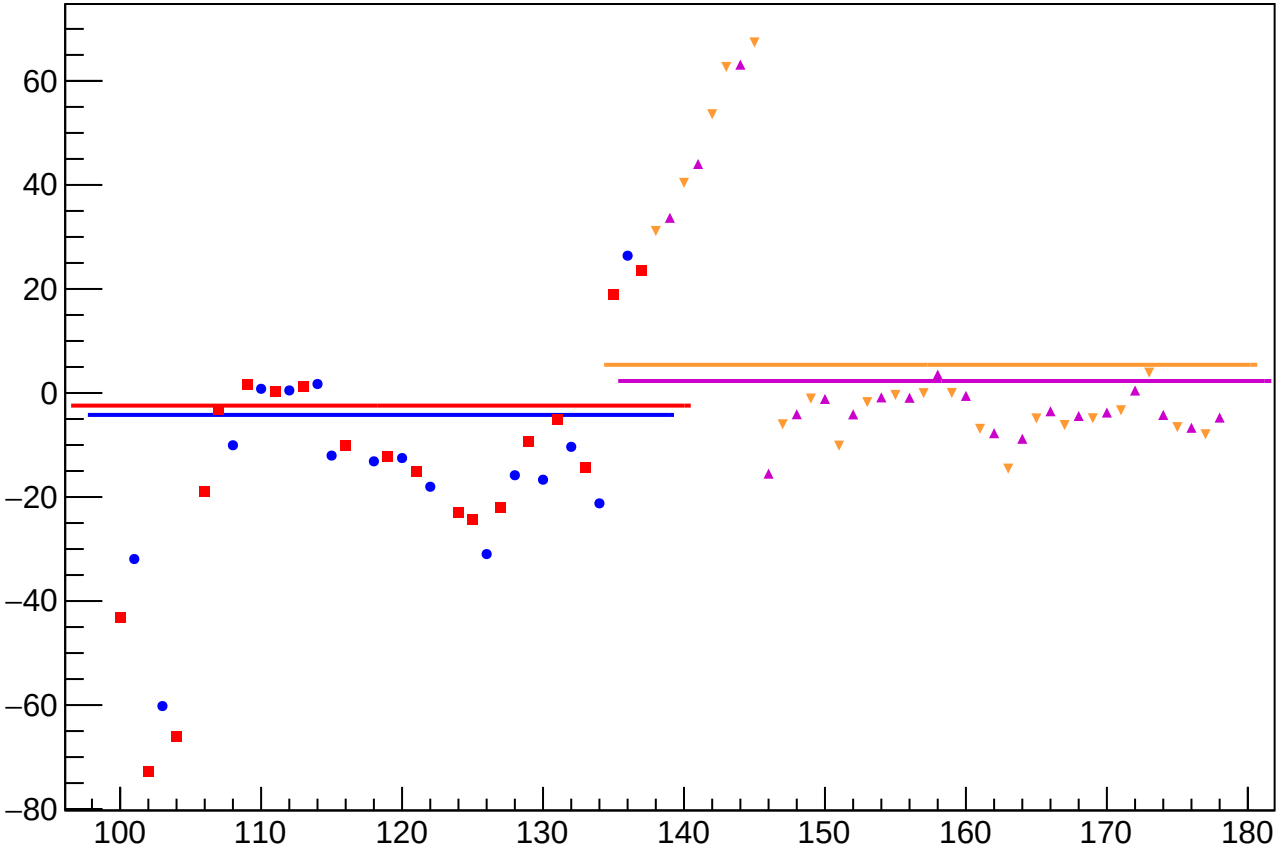
Right: -0.212+/-0.003 χ^2/NDF: 27912.3/34

In: -0.099+/-0.002 χ^2/NDF:18013.0/35

Out: -0.116+/-0.002 χ^2/NDF:19356.4/39

All: -0.106+/-0.001 χ^2/NDF: 37426.2/75

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 5.422+/-0.051 χ^2/NDF:166913.1/20

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

Left In: 2.305+/-0.046 χ^2/NDF:128507.3/19

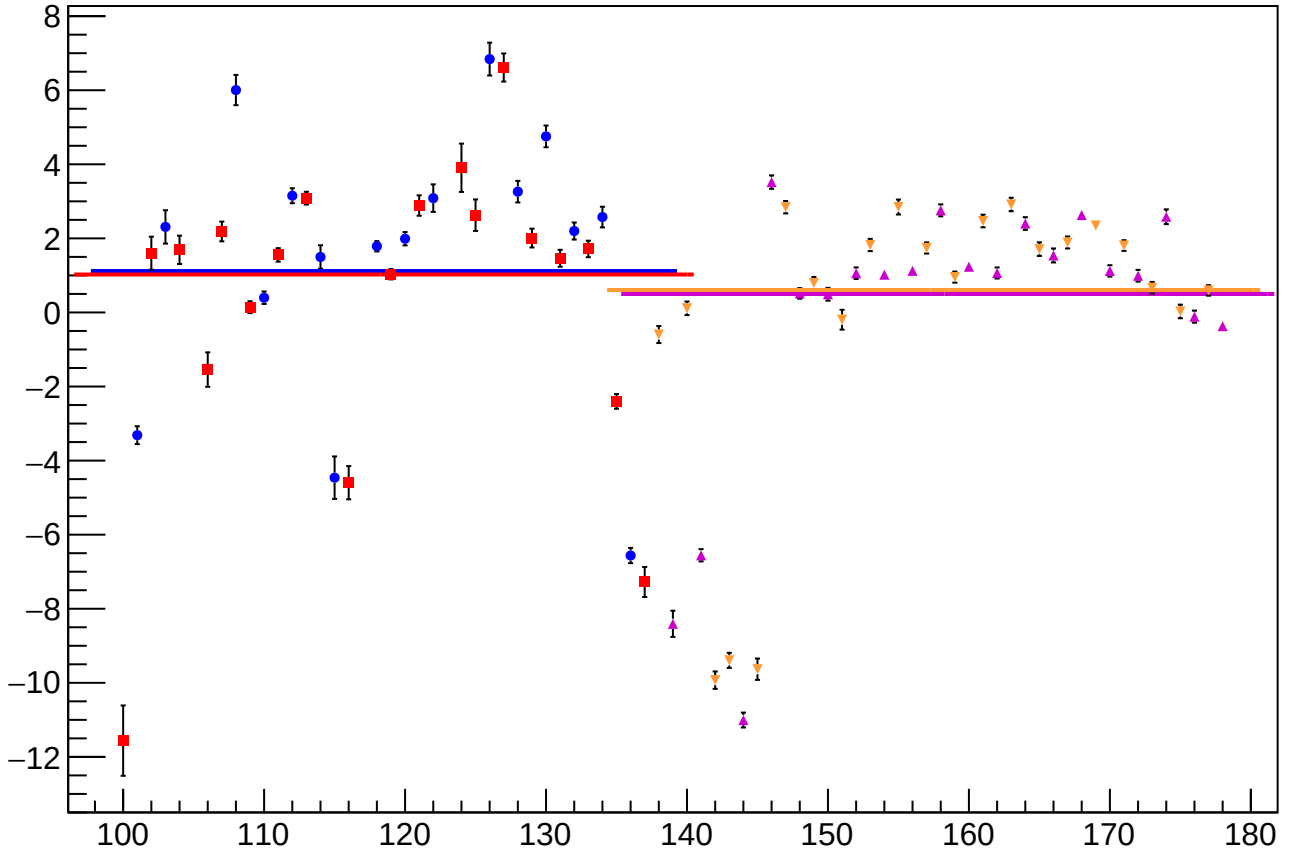
Left: 3.691+/-0.034 χ^2/NDF: 297493.9/40

Right: -3.171+/-0.035 χ^2/NDF: 156563.0/34

In: -0.370+/-0.035 χ^2/NDF:212095.7/35

Out: 1.109+/-0.034 χ^2/NDF:260651.6/39

All: 0.387+/-0.024 χ^2/NDF: 473658.5/75



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: 0.498+/-0.034 χ^2/NDF:6888.9/19

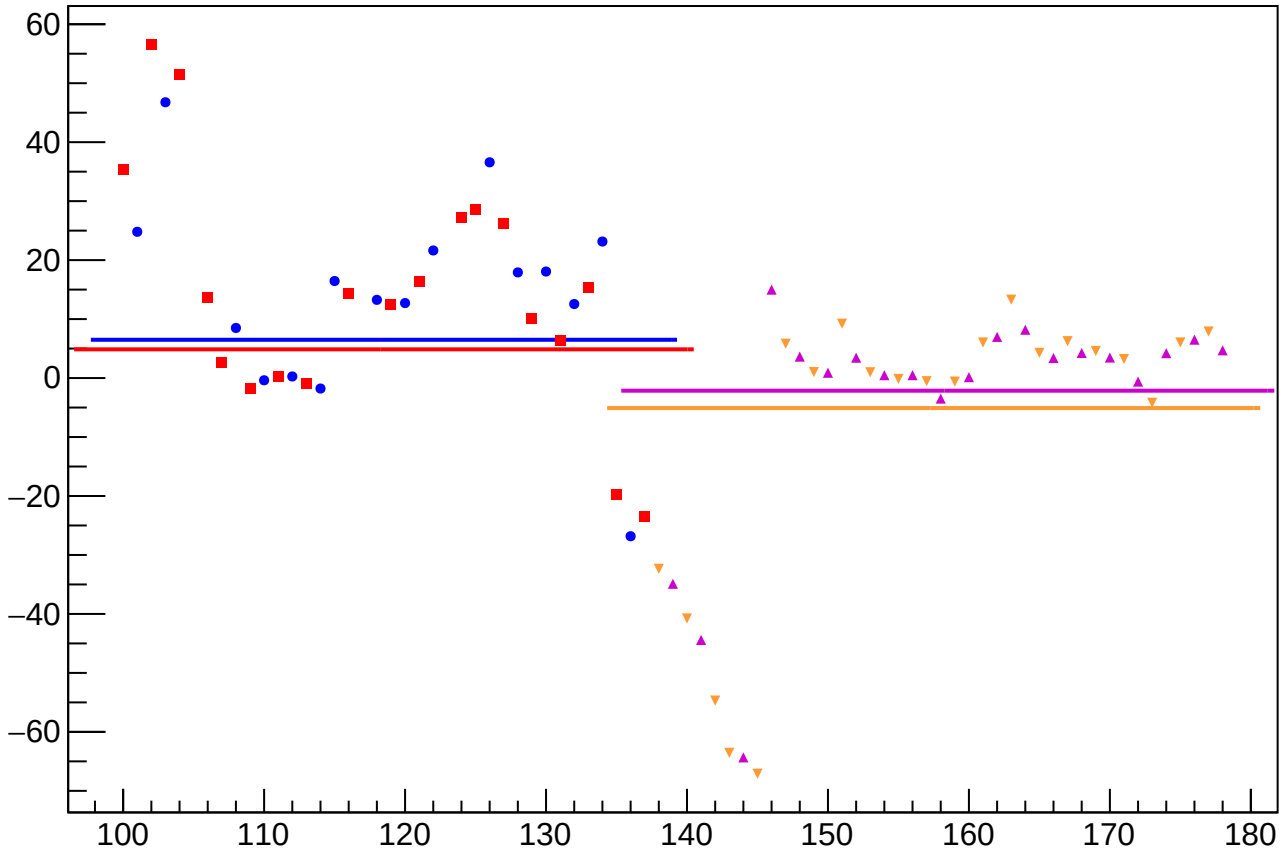
Left: 0.546+/-0.025 χ^2/NDF: 13665.8/40

Right: 1.069+/-0.042 χ^2/NDF: 4205.0/34

In: 0.647+/-0.030 χ^2/NDF:9560.6/35

Out: 0.733+/-0.032 χ^2/NDF:8421.8/39

All: 0.688+/-0.022 χ^2/NDF: 17986.3/75



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: -2.141+/-0.045 χ^2/NDF:125483.2/19

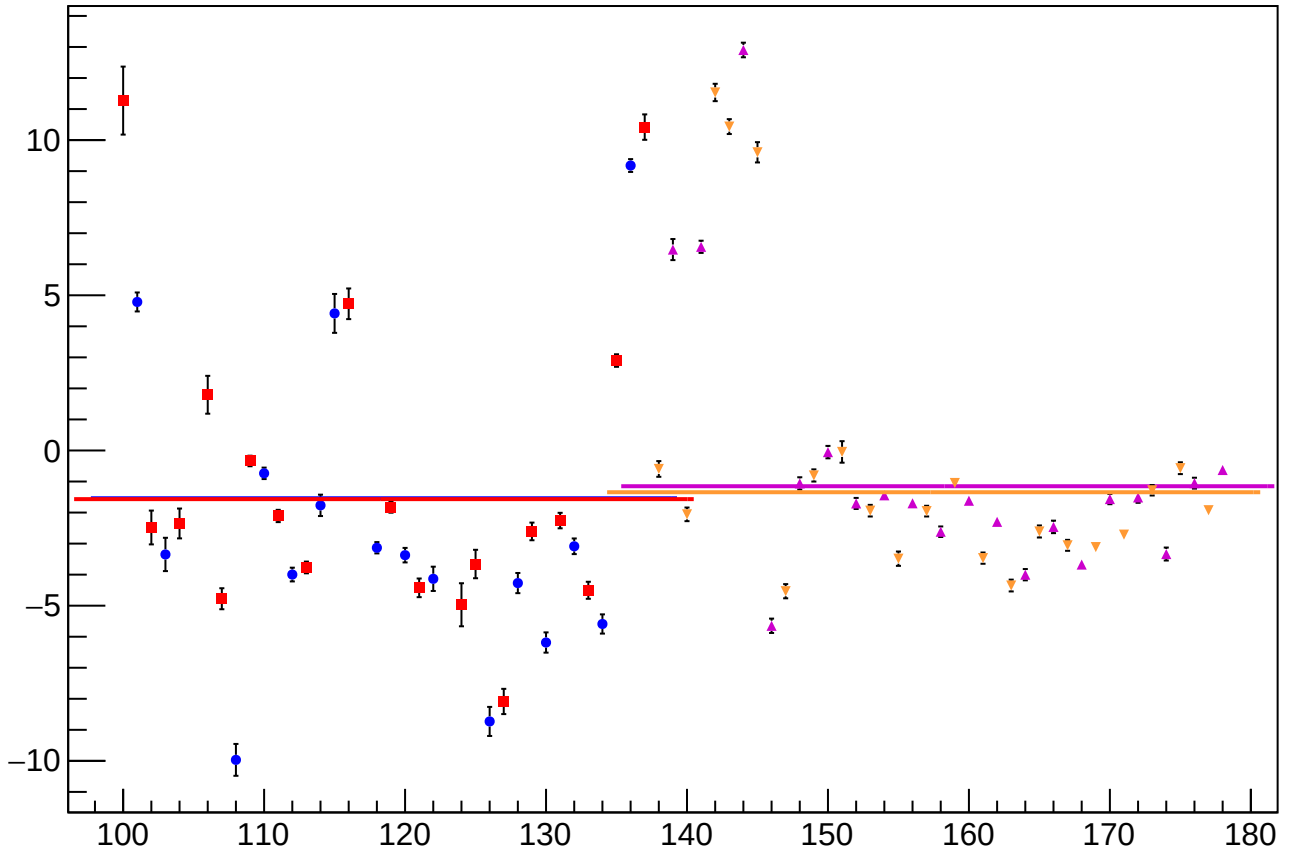
Left: -3.437+/-0.033 χ^2/NDF: 288986.7/40

Right: 5.602+/-0.044 χ^2/NDF: 146229.3/34

In: 0.604+/-0.037 χ^2/NDF:208056.6/35

Out: -0.916+/-0.038 χ^2/NDF:253281.5/39

All: -0.125+/-0.027 χ^2/NDF: 462157.7/75



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: -1.151+/-0.038 χ^2/NDF:6858.5/19

Left: -1.238+/-0.028 χ^2/NDF: 13633.6/40

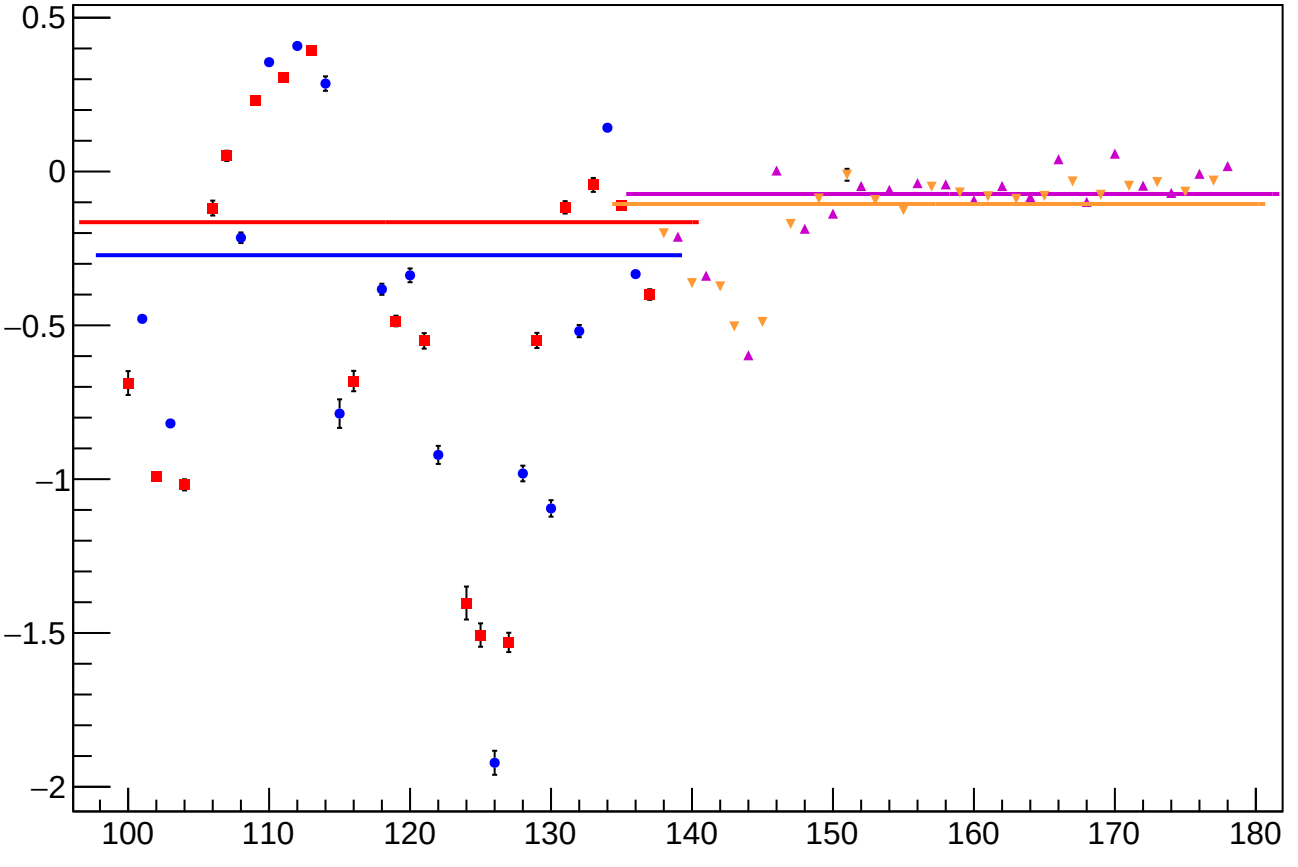
Right: -1.555+/-0.047 χ^2/NDF: 7032.9/34

In: -1.241+/-0.033 χ^2/NDF:11418.4/35

Out: -1.412+/-0.035 χ^2/NDF:9268.8/39

All: -1.321+/-0.024 χ^2/NDF: 20699.6/75

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: -0.073+/-0.002 χ^2/NDF:3980.7/19

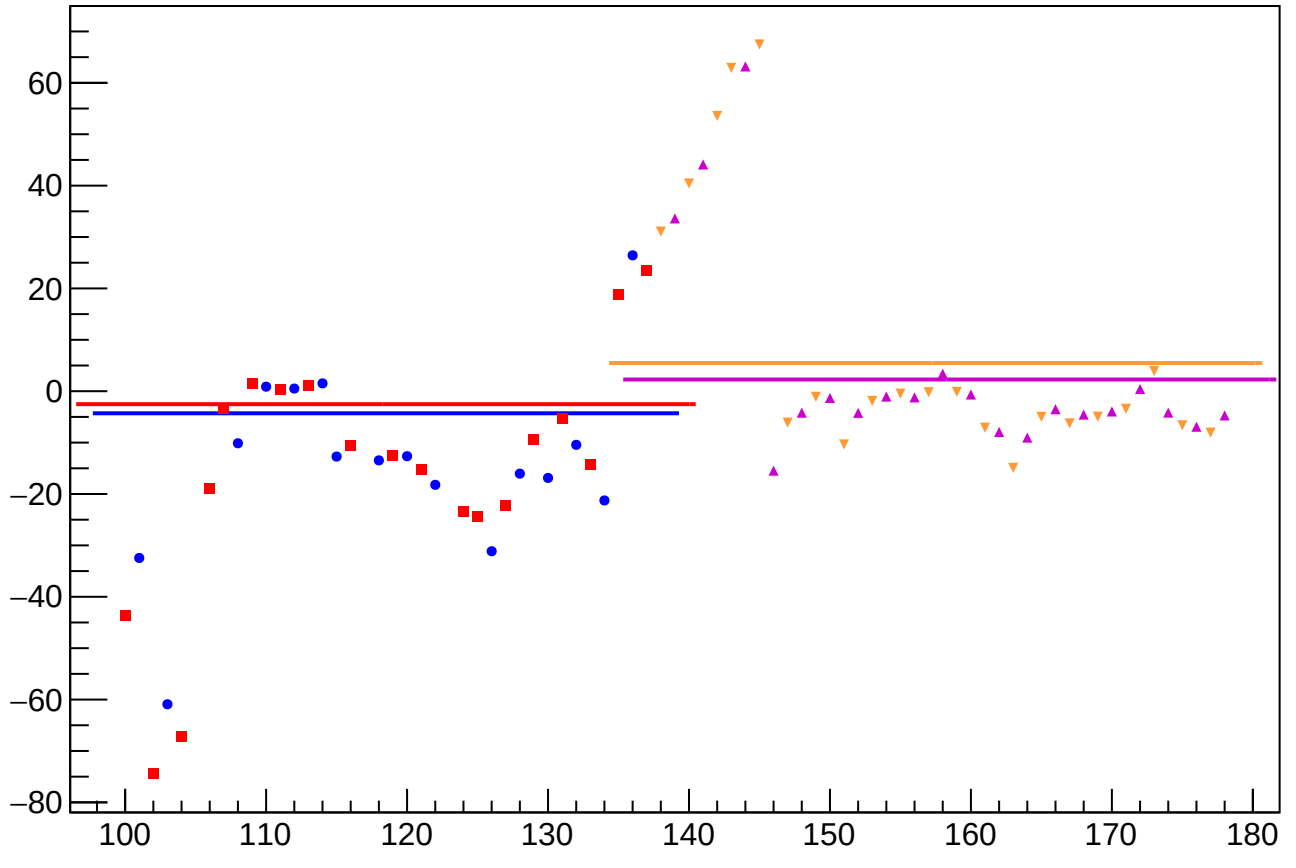
Left: -0.087+/-0.001 χ^2/NDF: 7815.2/40

Right: -0.214+/-0.003 χ^2/NDF: 27917.4/34

In: -0.099+/-0.002 χ^2/NDF:18034.7/35

Out: -0.117+/-0.002 χ^2/NDF:19346.8/39

All: -0.107+/-0.001 χ^2/NDF: 37443.0/75



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: 2.277+/-0.047 χ^2/NDF:126491.2/19

Left: 3.702+/-0.035 χ^2/NDF: 293080.0/40

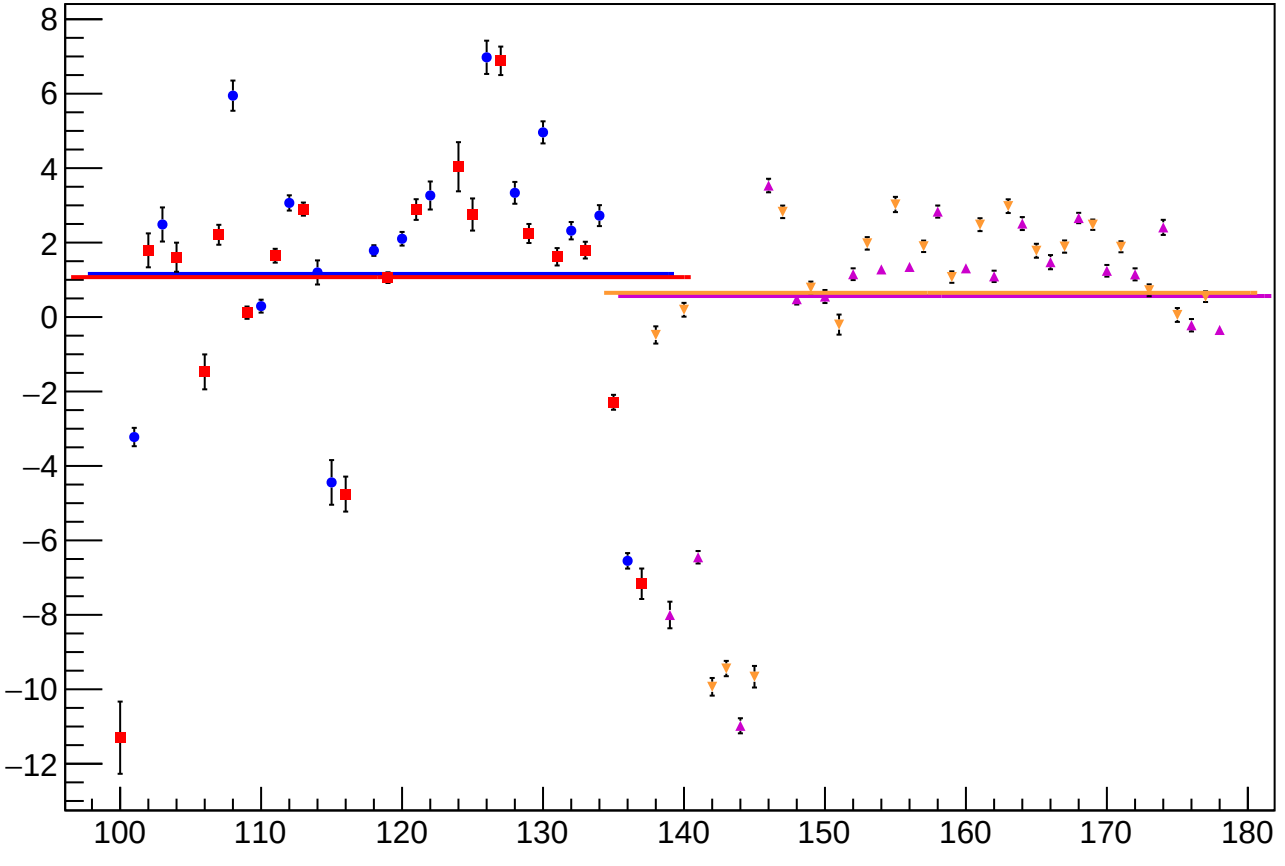
Right: -3.265+/-0.036 χ^2/NDF: 154689.9/34

In: -0.421+/-0.036 χ^2/NDF:208908.1/35

Out: 1.103+/-0.035 χ^2/NDF:257373.2/39

All: 0.358+/-0.025 χ^2/NDF: 467212.7/75

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: 0.565+/-0.035 χ^2/NDF:6718.8/19

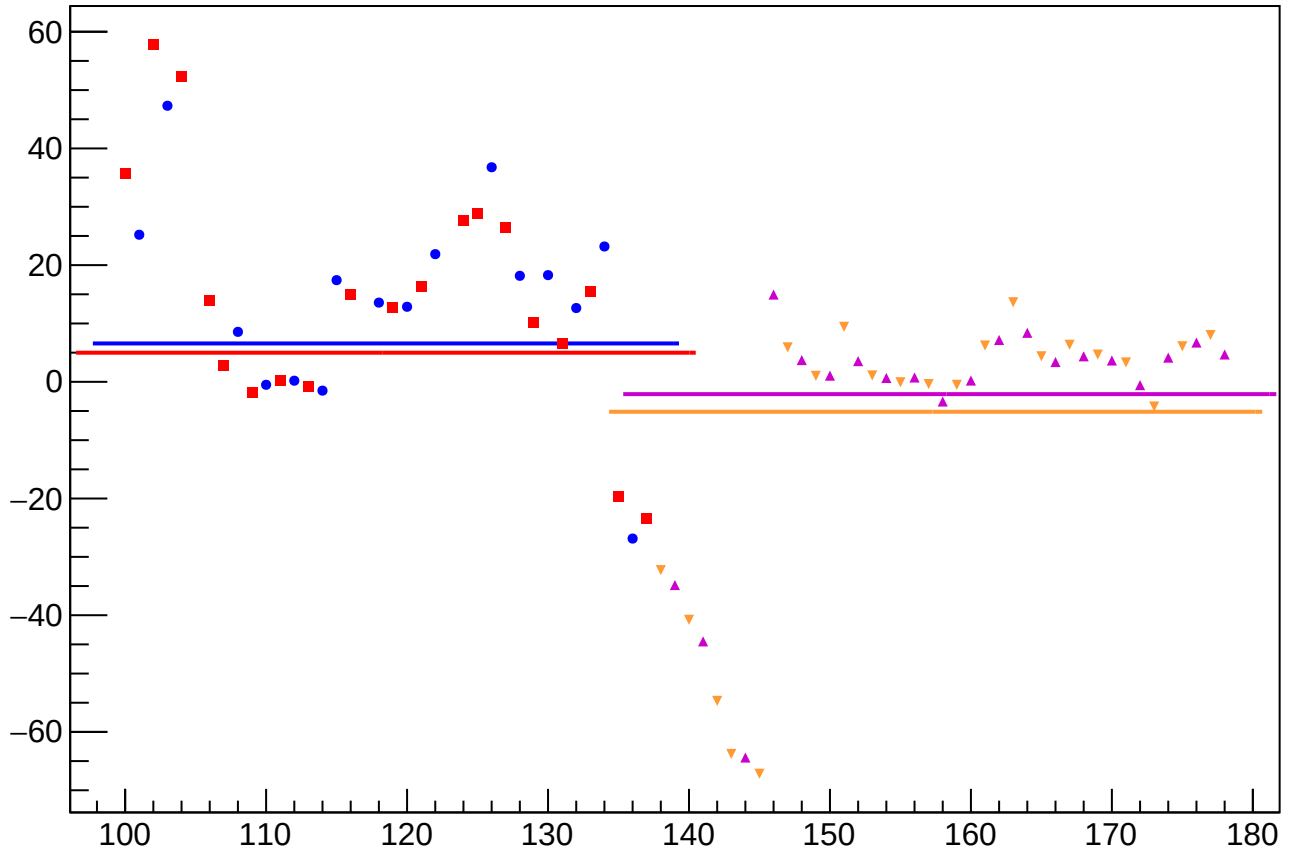
Left: 0.603+/-0.026 χ^2/NDF: 13476.7/40

Right: 1.113+/-0.042 χ^2/NDF: 4102.4/34

In: 0.708+/-0.030 χ^2/NDF:9339.2/35

Out: 0.779+/-0.032 χ^2/NDF:8343.0/39

All: 0.741+/-0.022 χ^2/NDF: 17684.7/75



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: -2.110+/-0.045 χ^2/NDF:123490.9/19

Left: -3.443+/-0.034 χ^2/NDF: 284674.4/40

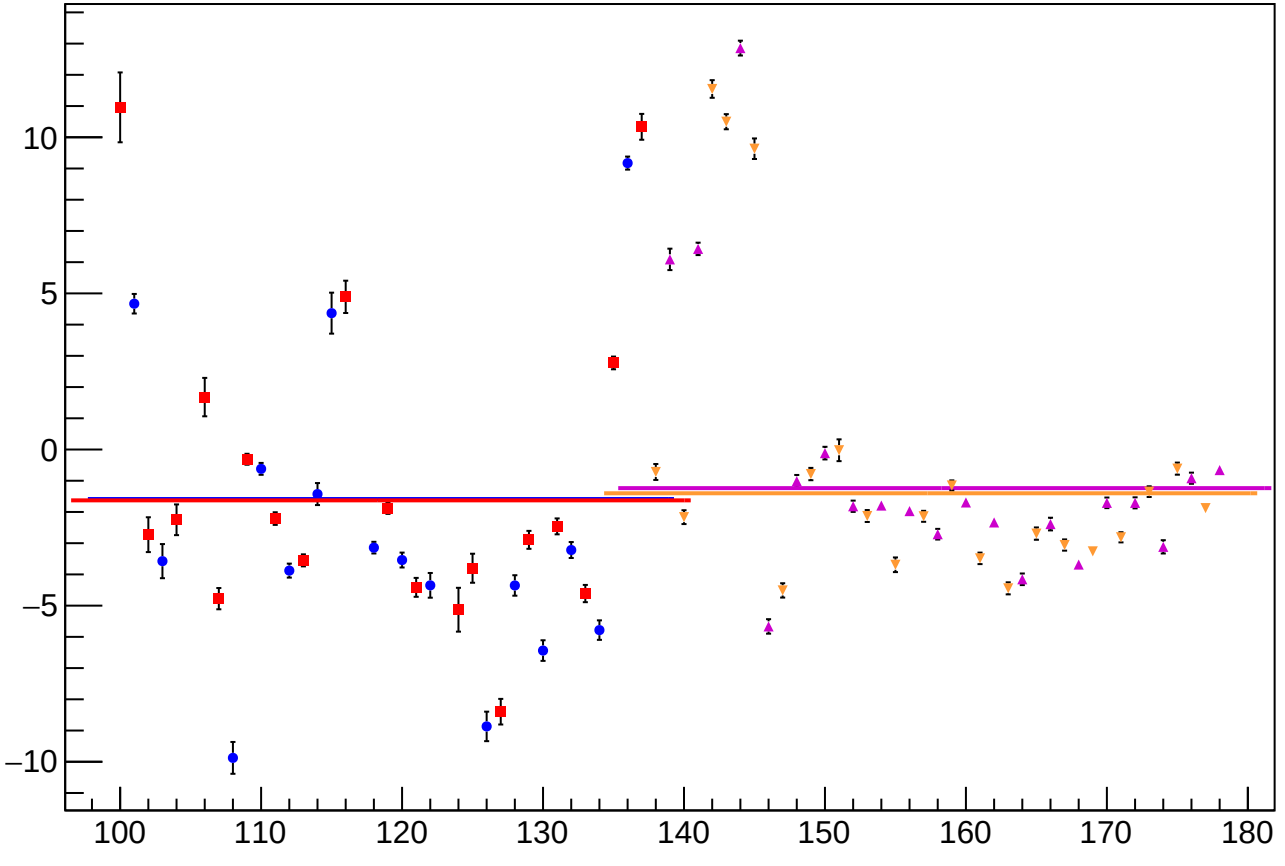
Right: 5.710+/-0.045 χ^2/NDF: 144504.9/34

In: 0.658+/-0.037 χ^2/NDF:204889.1/35

Out: -0.911+/-0.039 χ^2/NDF:250060.8/39

All: -0.095+/-0.027 χ^2/NDF: 455791.5/75

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: -1.237+/-0.039 χ^2/NDF:6665.4/19

Left: -1.310+/-0.029 χ^2/NDF: 13410.1/40

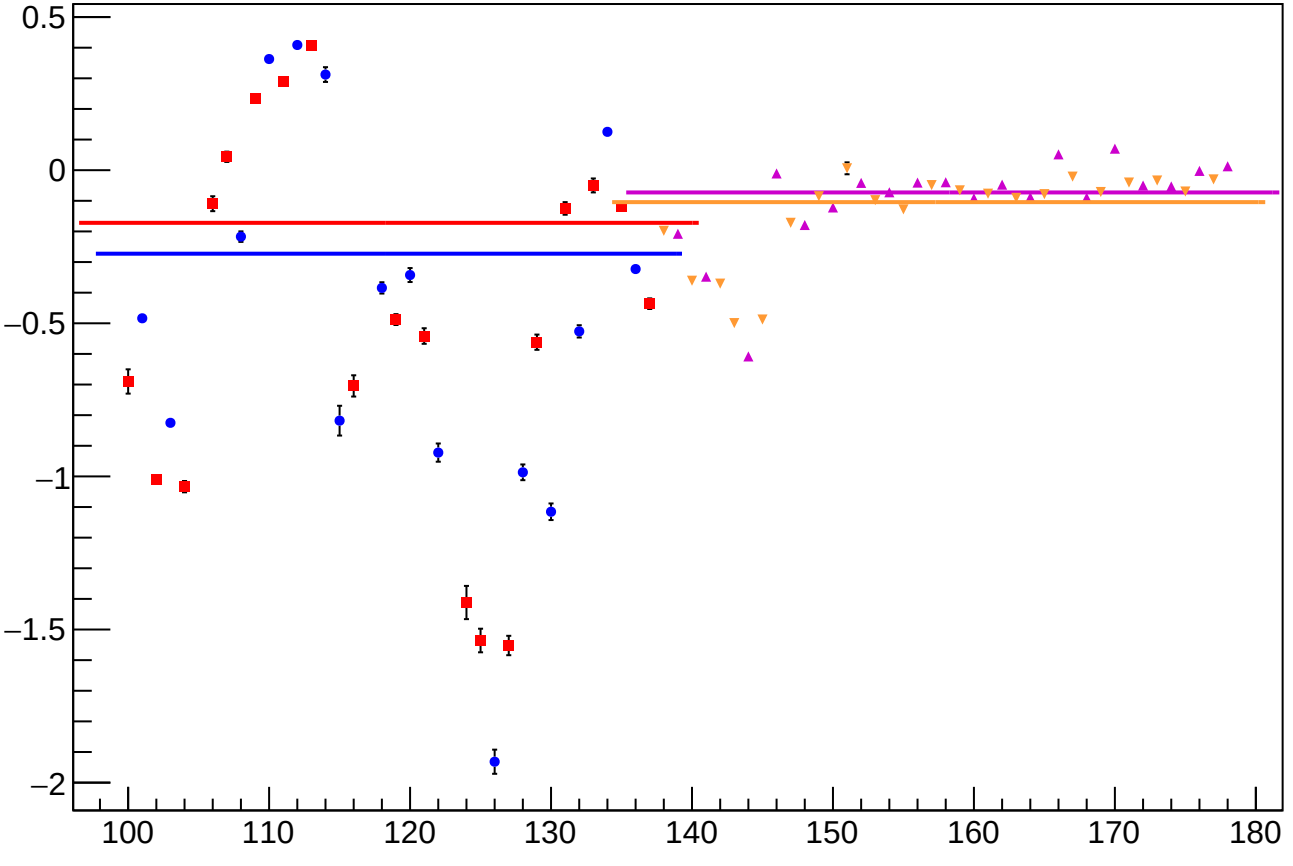
Right: -1.609+/-0.048 χ^2/NDF: 6895.1/34

In: -1.317+/-0.034 χ^2/NDF:11156.7/35

Out: -1.470+/-0.036 χ^2/NDF:9167.2/39

All: -1.389+/-0.025 χ^2/NDF: 20333.3/75

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: -0.073+/-0.002 χ^2/NDF:4030.4/19

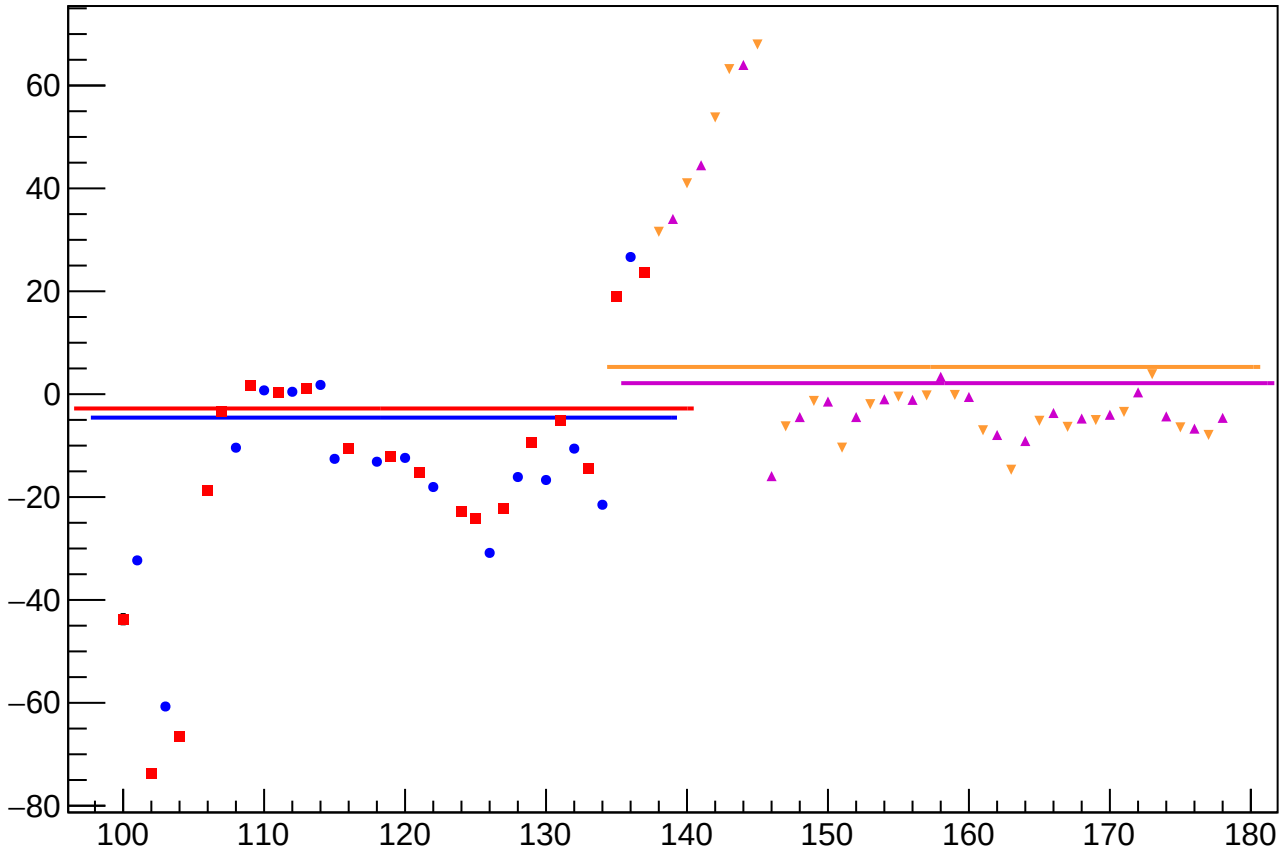
Left: -0.086+/-0.001 χ^2/NDF: 7785.8/40

Right: -0.218+/-0.003 χ^2/NDF: 27488.4/34

In: -0.099+/-0.002 χ^2/NDF:17832.0/35

Out: -0.117+/-0.002 χ^2/NDF:19165.7/39

All: -0.107+/-0.001 χ^2/NDF: 37059.6/75



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: 2.141+/-0.047 χ^2/NDF:125134.6/19

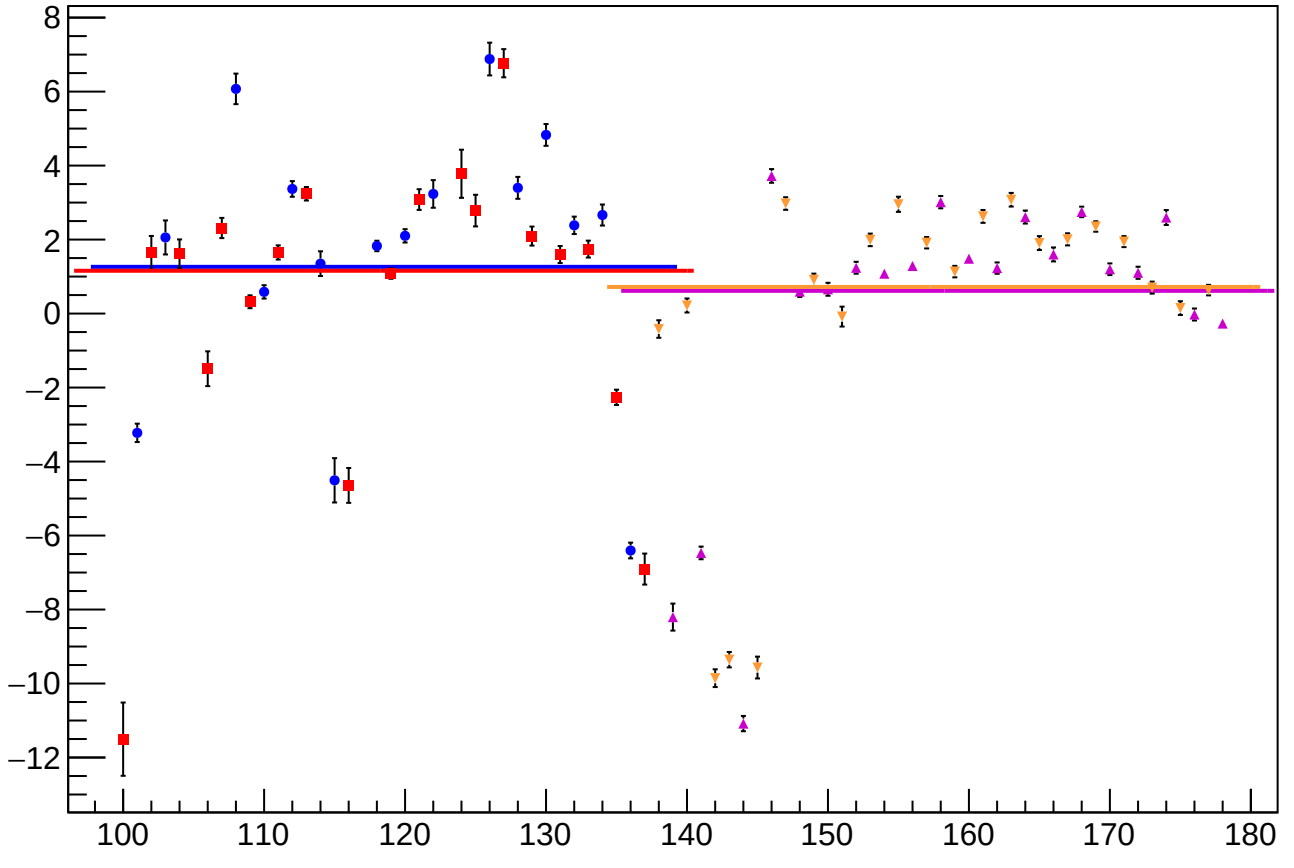
Left: 3.546+/-0.035 χ^2/NDF: 289410.1/40

Right: -3.530+/-0.037 χ^2/NDF: 151106.4/34

In: -0.571+/-0.036 χ^2/NDF:206044.4/35

Out: 0.958+/-0.036 χ^2/NDF:252987.6/39

All: 0.206+/-0.025 χ^2/NDF: 459942.6/75



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: 0.615+/-0.035 χ^2/NDF:6676.4/19

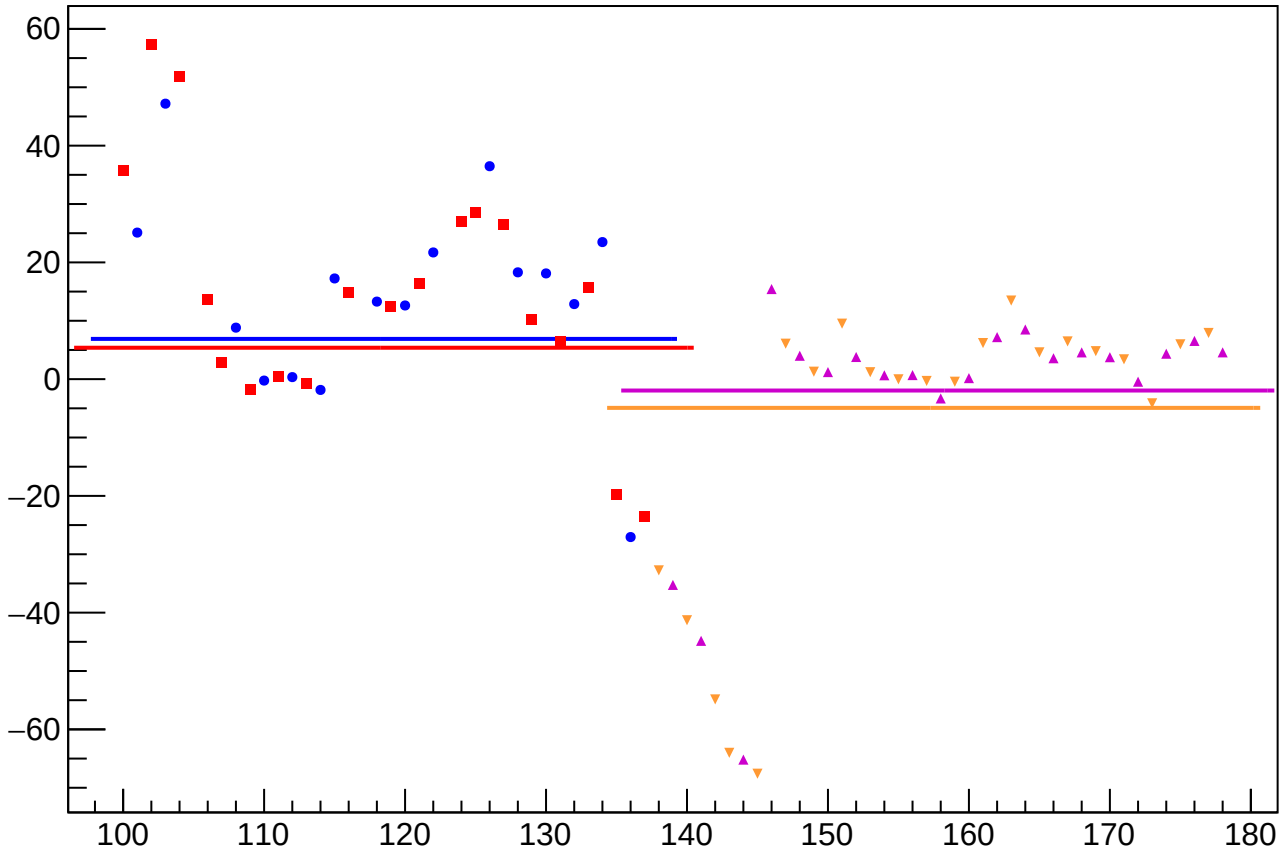
Left: 0.662+/-0.026 χ^2/NDF: 13221.3/40

Right: 1.208+/-0.043 χ^2/NDF: 3935.9/34

In: 0.771+/-0.031 χ^2/NDF:9203.1/35

Out: 0.852+/-0.032 χ^2/NDF:8069.7/39

All: 0.809+/-0.022 χ^2/NDF: 17276.0/75



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: -1.950+/-0.046 χ^2/NDF:122101.6/19

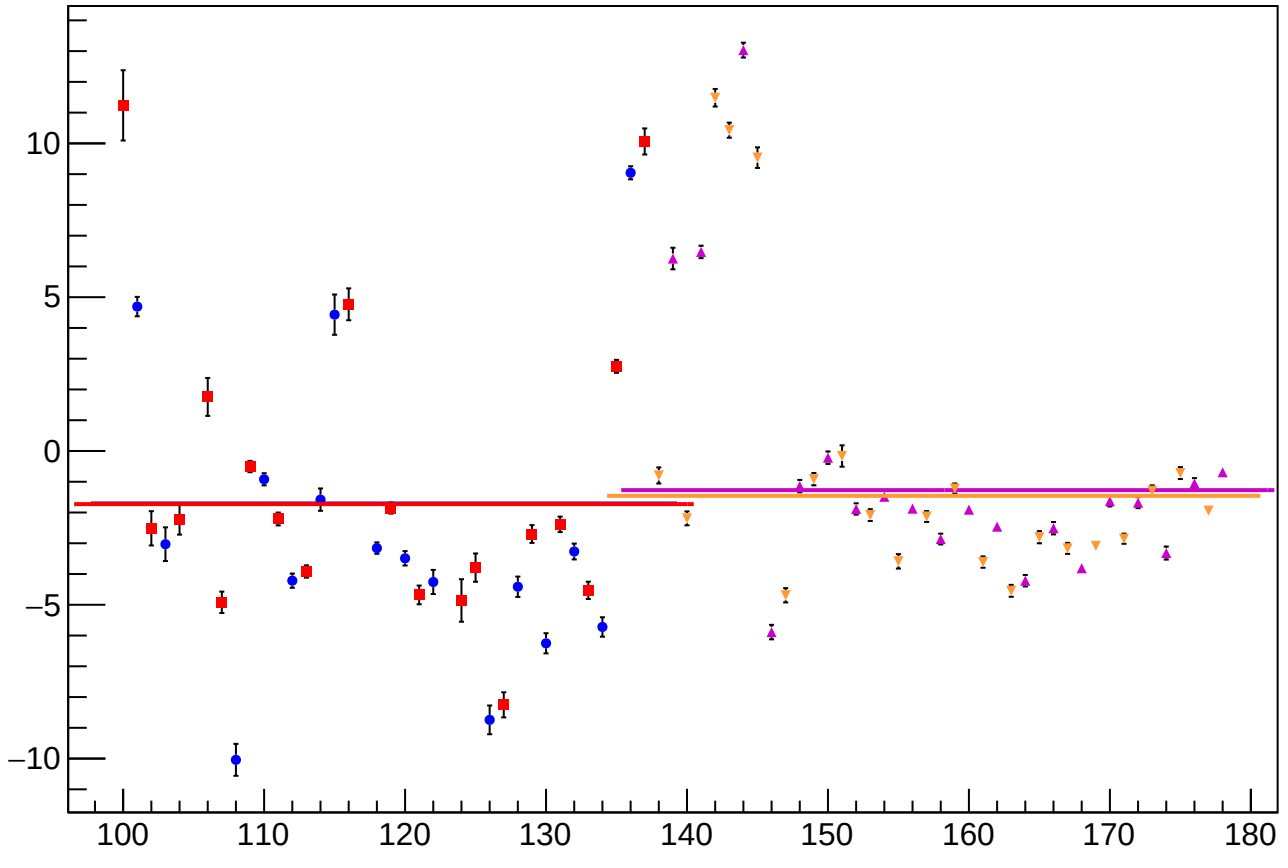
Left: -3.262+/-0.034 χ^2/NDF: 280913.5/40

Right: 6.071+/-0.045 χ^2/NDF: 140552.1/34

In: 0.843+/-0.038 χ^2/NDF:201944.3/35

Out: -0.694+/-0.040 χ^2/NDF:245626.3/39

All: 0.108+/-0.027 χ^2/NDF: 448359.0/75



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: -1.273+/-0.039 χ^2/NDF:6664.2/19

Left: -1.356+/-0.029 χ^2/NDF: 13209.3/40

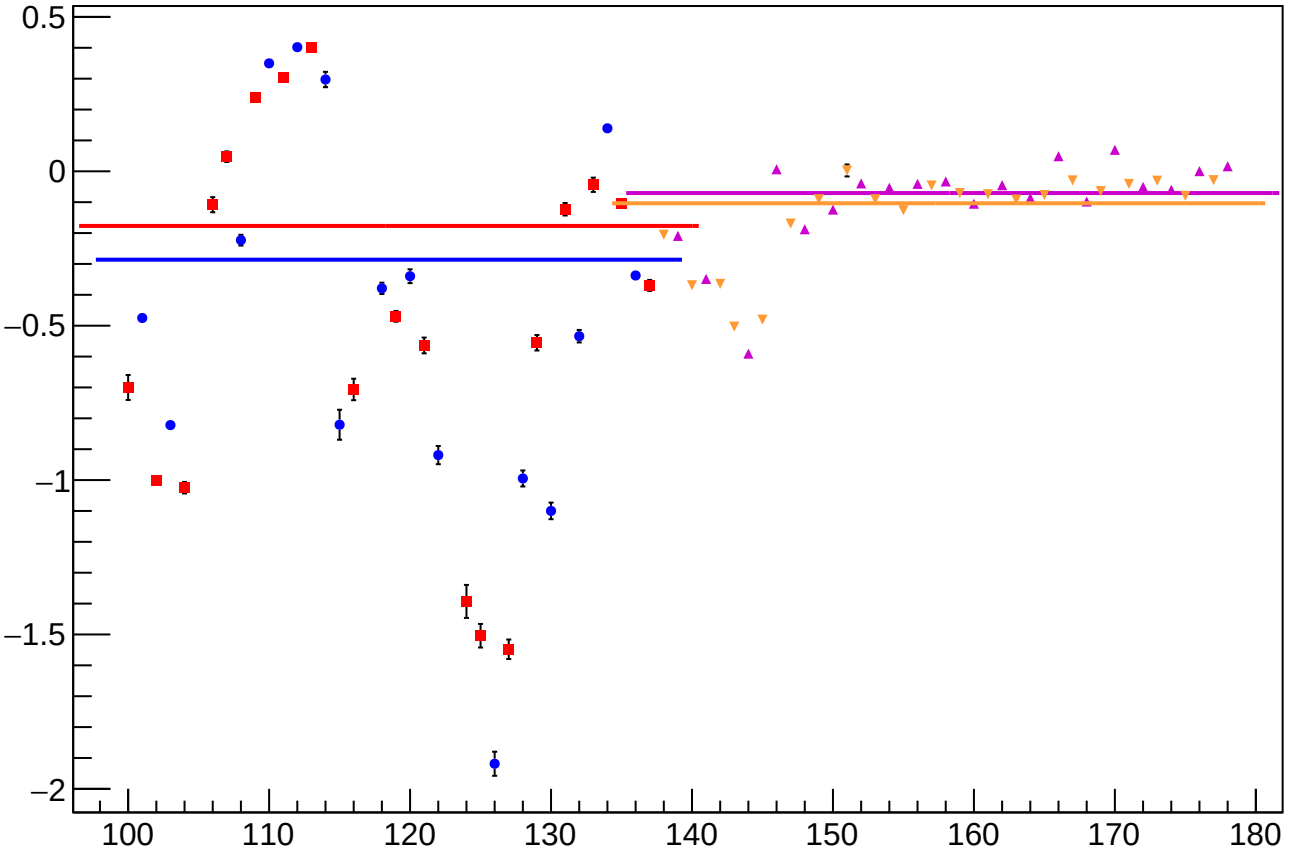
Right: -1.718+/-0.049 χ^2/NDF: 6599.4/34

In: -1.373+/-0.034 χ^2/NDF:10982.4/35

Out: -1.538+/-0.036 χ^2/NDF:8856.0/39

All: -1.451+/-0.025 χ^2/NDF: 19849.3/75

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: -0.070+/-0.002 χ^2/NDF:3913.6/19

Left: -0.085+/-0.001 χ^2/NDF: 7613.6/40

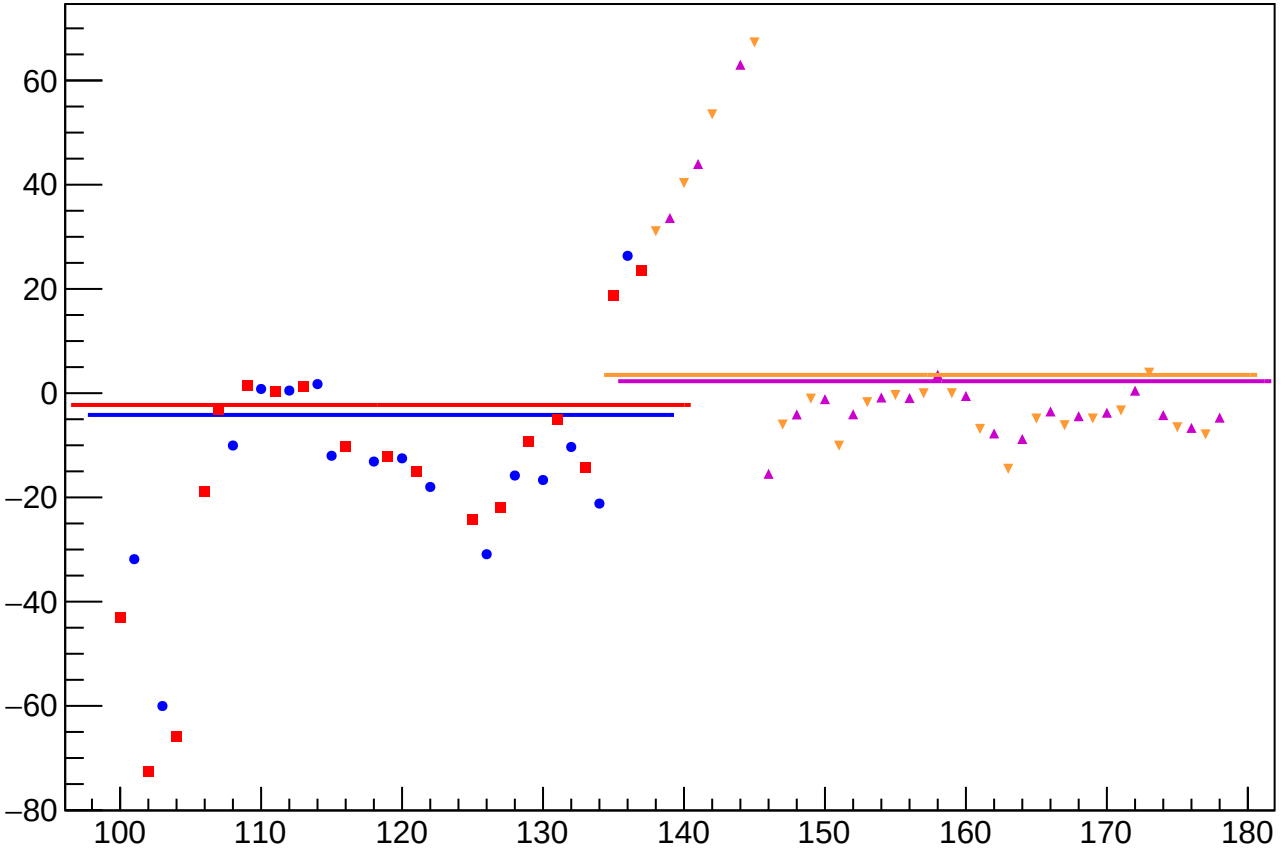
Right: -0.227+/-0.003 χ^2/NDF: 26481.0/34

In: -0.099+/-0.002 χ^2/NDF:17481.3/35

Out: -0.117+/-0.002 χ^2/NDF:18576.6/39

All: -0.107+/-0.001 χ^2/NDF: 36121.5/75

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

Left Out: 3.502+/-0.052 χ^2/NDF:124906.6/19

Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 2.299+/-0.045 χ^2/NDF:128742.9/19

Left: 2.824+/-0.034 χ^2/NDF: 253954.9/39

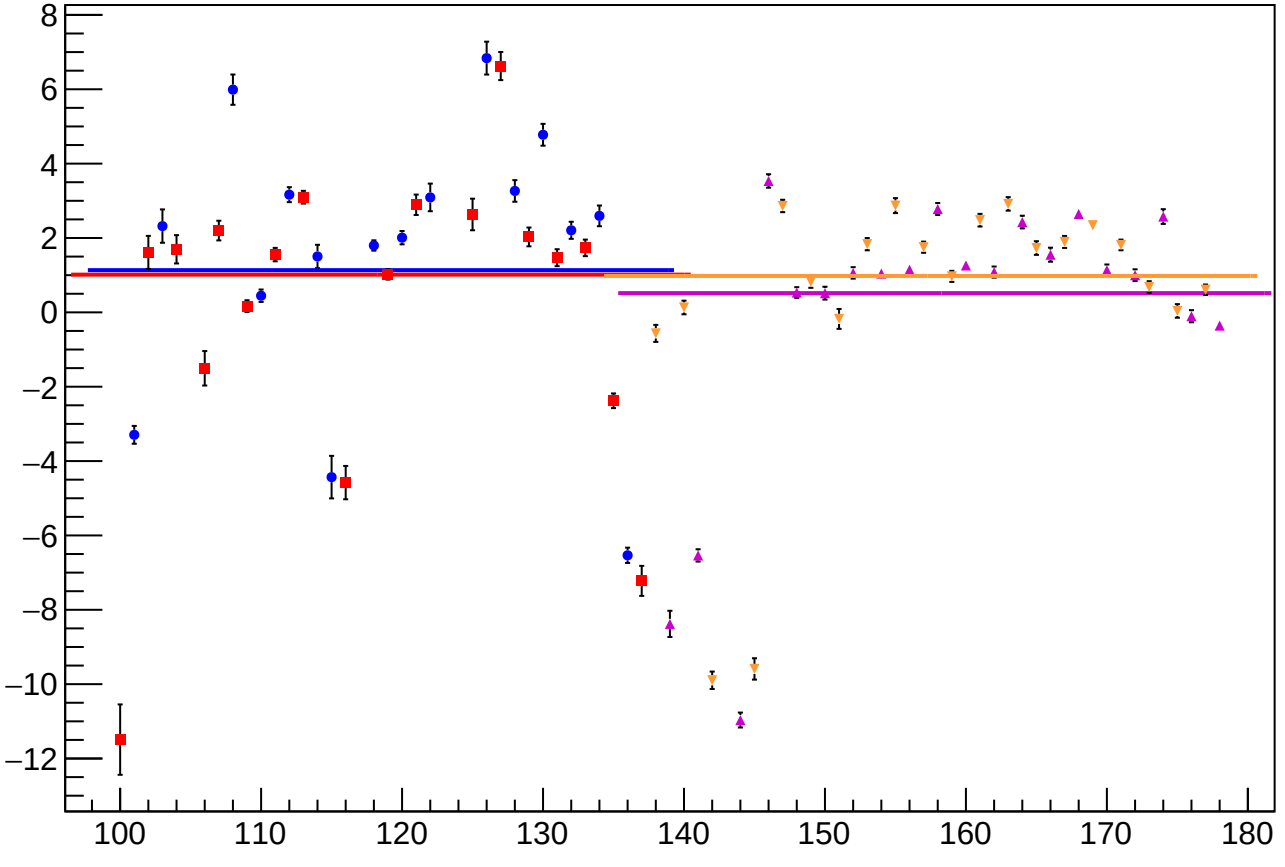
Right: -3.058+/-0.035 χ^2/NDF: 155737.8/33

In: -0.360+/-0.035 χ^2/NDF:212461.6/35

Out: 0.289+/-0.034 χ^2/NDF:211464.1/37

All: -0.031+/-0.024 χ^2/NDF: 424101.0/73

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: 0.517+/-0.034 χ^2/NDF:6909.6/19

Left: 0.719+/-0.025 χ^2/NDF: 11265.5/39

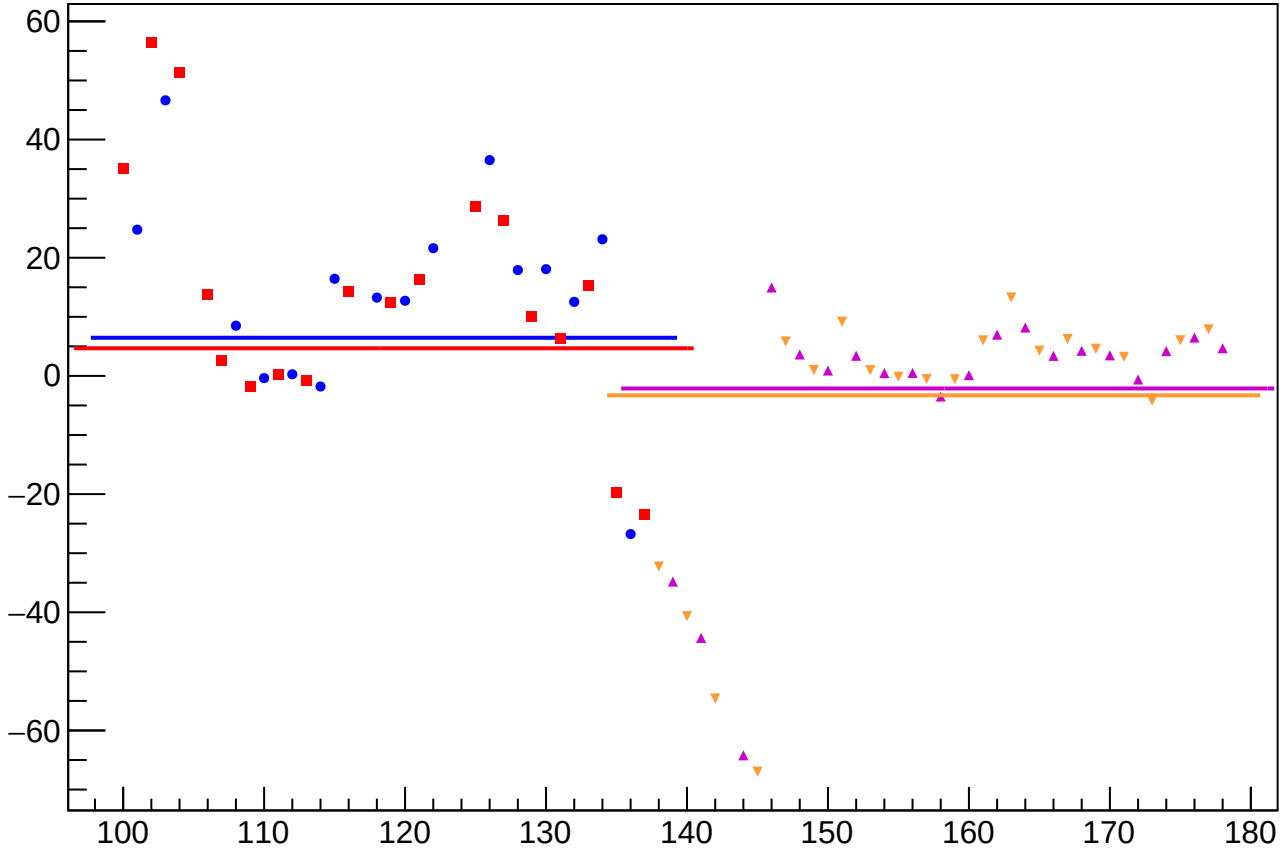
Right: 1.072+/-0.041 χ^2/NDF: 4190.8/33

In: 0.666+/-0.030 χ^2/NDF:9585.2/35

Out: 0.990+/-0.032 χ^2/NDF:5868.0/37

All: 0.816+/-0.022 χ^2/NDF: 15508.8/73

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -3.281+/-0.051 χ^2/NDF:120287.0/19

Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -2.124+/-0.044 χ^2/NDF:125704.9/19

Left: -2.624+/-0.033 χ^2/NDF: 246285.6/39

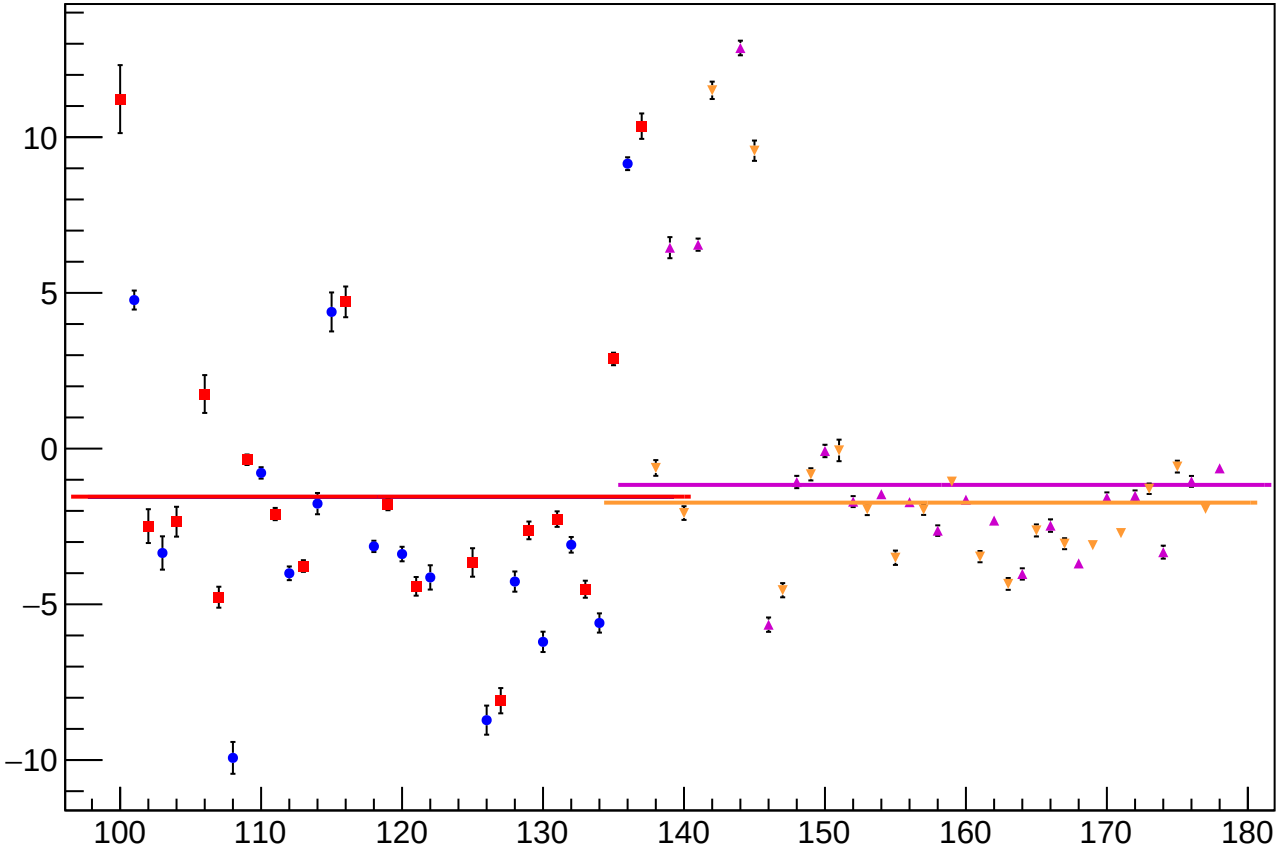
Right: 5.483+/-0.044 χ^2/NDF: 145618.4/33

In: 0.605+/-0.037 χ^2/NDF:208400.7/35

Out: 0.105+/-0.039 χ^2/NDF:205121.9/37

All: 0.368+/-0.027 χ^2/NDF: 413611.0/73

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: -1.735+/-0.043 χ^2/NDF:4273.0/19

Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: -1.165+/-0.038 χ^2/NDF:6876.7/19

Left: -1.414+/-0.028 χ^2/NDF: 11248.6/39

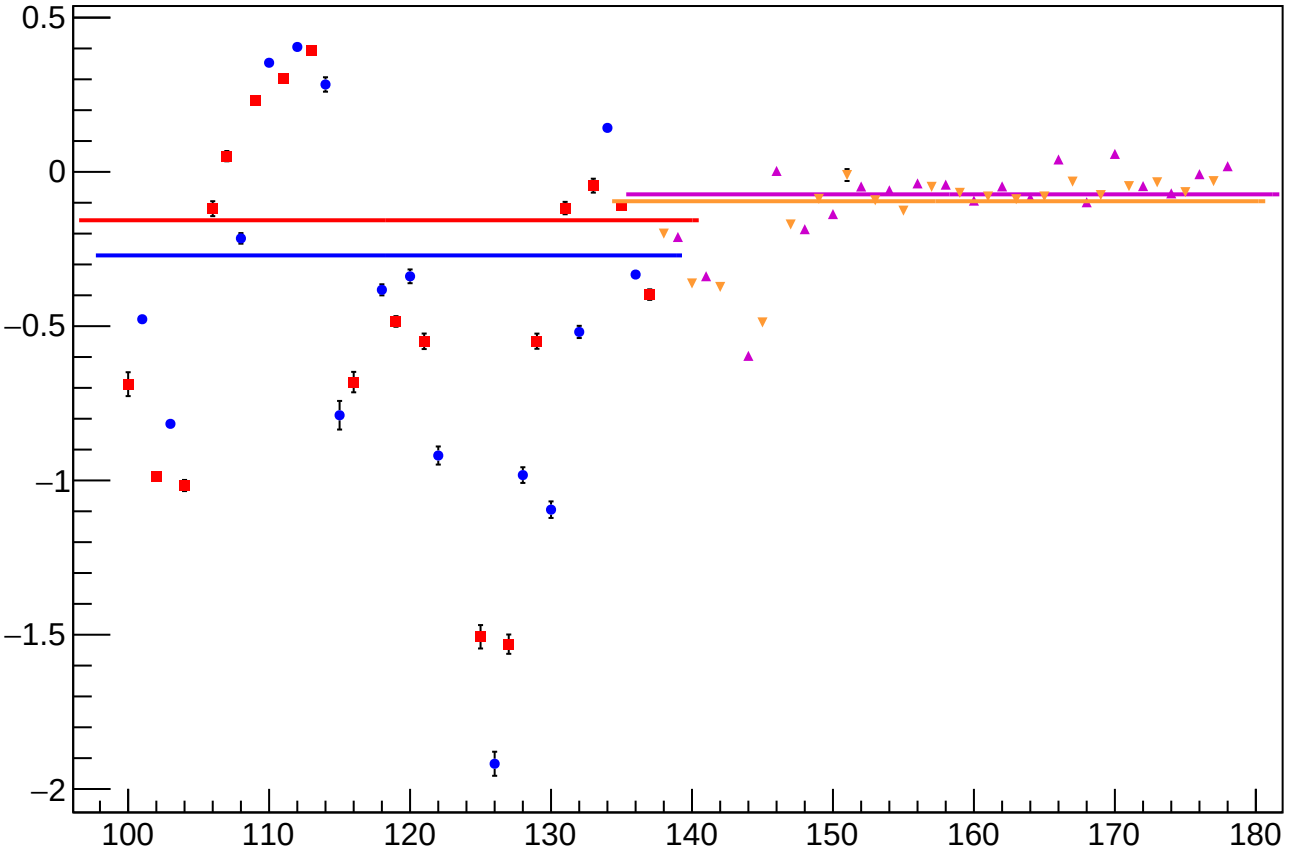
Right: -1.547+/-0.047 χ^2/NDF: 7016.6/33

In: -1.254+/-0.033 χ^2/NDF:11444.3/35

Out: -1.676+/-0.036 χ^2/NDF:6752.2/37

All: -1.449+/-0.024 χ^2/NDF: 18271.0/73

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: -0.073+/-0.002 χ^2/NDF:3993.7/19

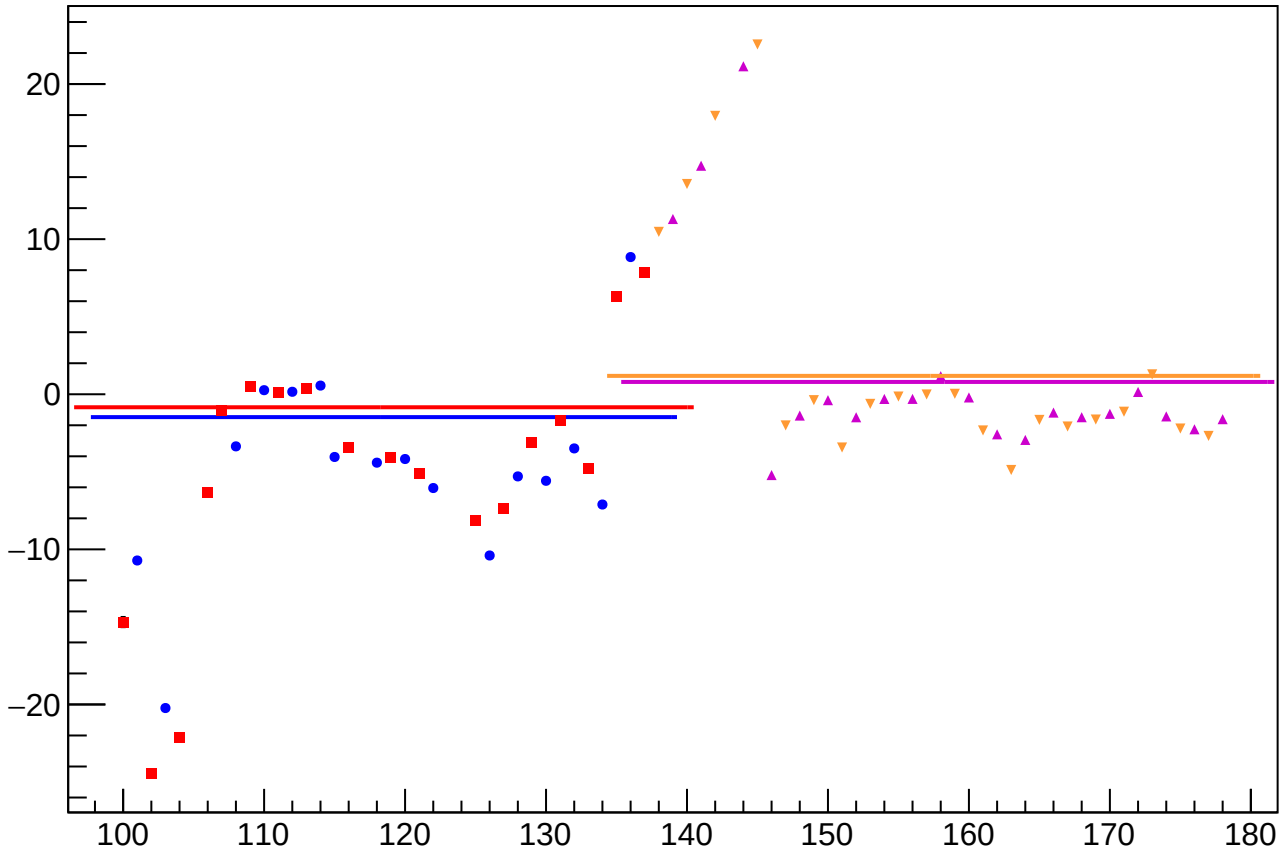
Left: -0.082+/-0.001 χ^2/NDF: 6586.3/39

Right: -0.209+/-0.003 χ^2/NDF: 27526.5/33

In: -0.099+/-0.002 χ^2/NDF:18072.9/35

Out: -0.107+/-0.002 χ^2/NDF:17742.8/37

All: -0.103+/-0.001 χ^2/NDF: 35829.4/73



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: 0.794+/-0.016 χ^2/NDF:126169.6/19

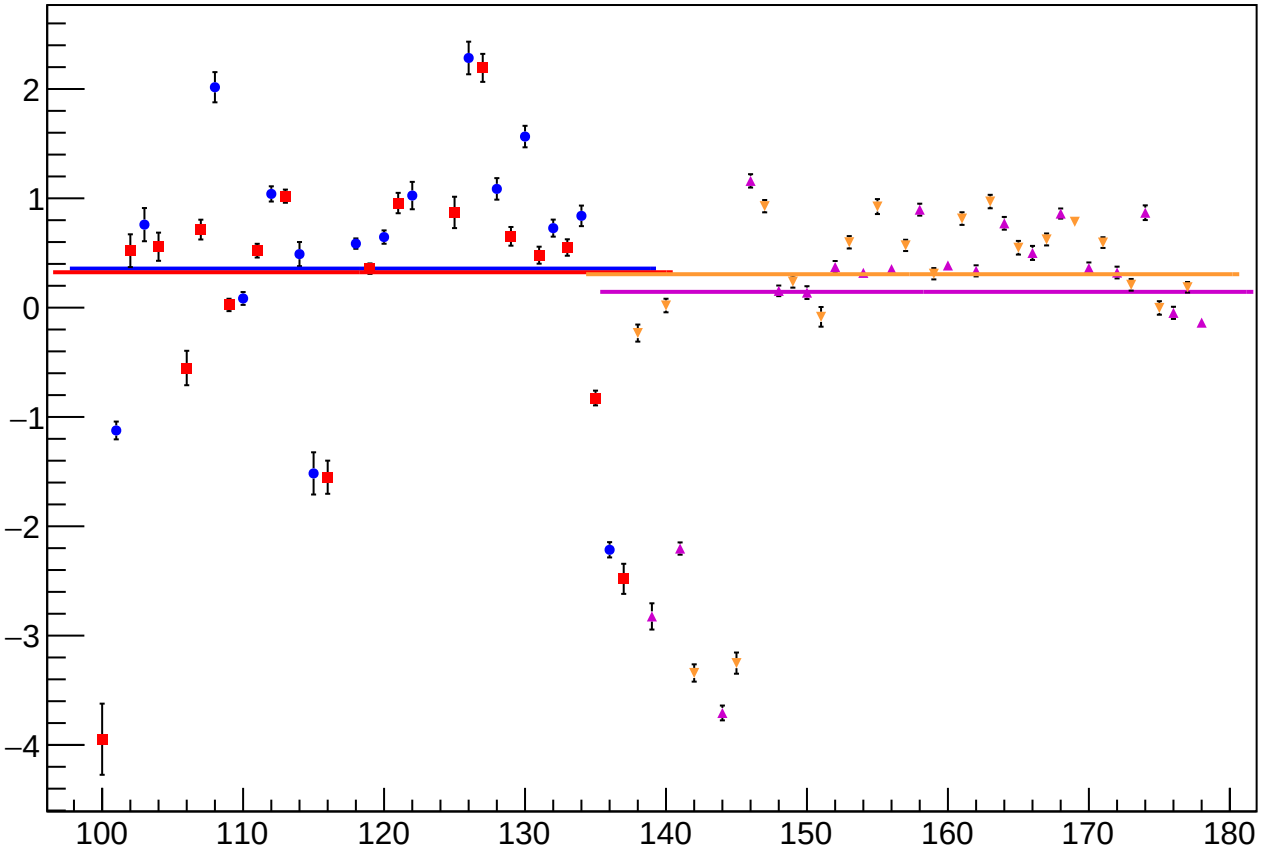
Left: 0.966+/-0.012 χ^2/NDF: 249225.3/39

Right: -1.107+/-0.012 χ^2/NDF: 152399.4/33

In: -0.134+/-0.012 χ^2/NDF:208546.2/35

Out: 0.078+/-0.012 χ^2/NDF:208010.1/37

All: -0.027+/-0.008 χ^2/NDF: 416714.3/73



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: 0.144+/-0.012 χ^2/NDF:6743.3/19

Left: 0.215+/-0.009 χ^2/NDF: 11058.2/39

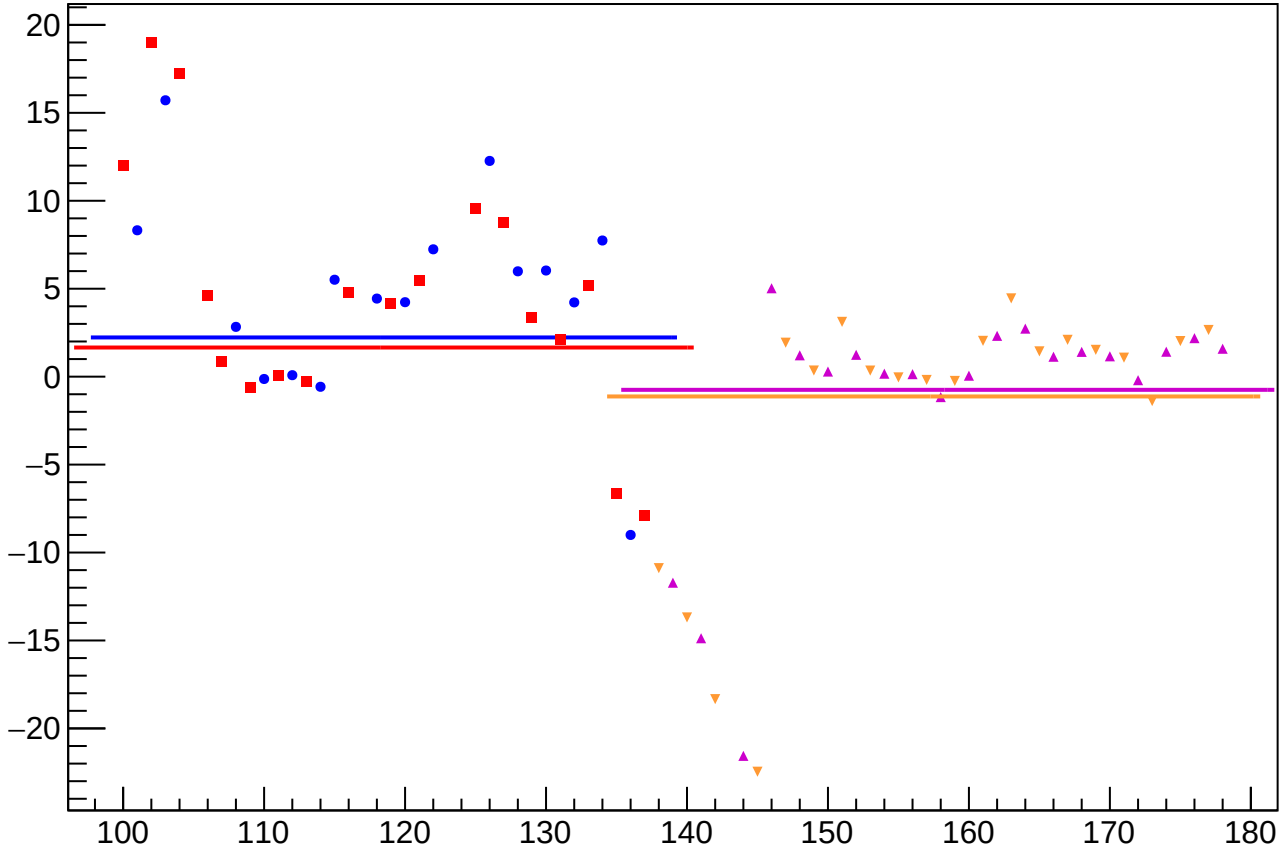
Right: 0.340+/-0.014 χ^2/NDF: 4103.4/33

In: 0.196+/-0.010 χ^2/NDF:9367.3/35

Out: 0.311+/-0.011 χ^2/NDF:5789.8/37

All: 0.249+/-0.007 χ^2/NDF: 15217.0/73

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -1.125+/-0.017 χ^2/NDF:118238.2/19

Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -0.749+/-0.015 χ^2/NDF:123239.5/19

Left: -0.913+/-0.011 χ^2/NDF: 241744.1/39

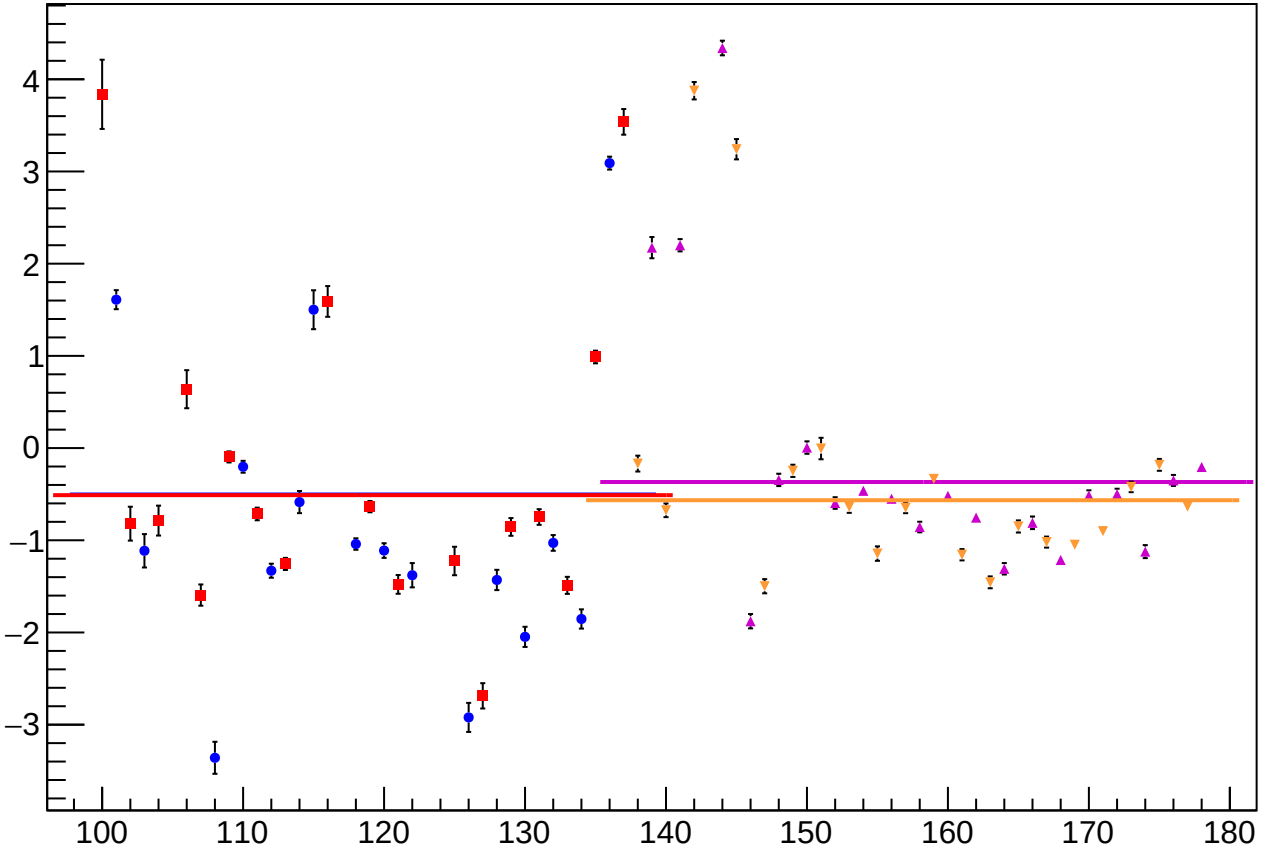
Right: 1.919+/-0.015 χ^2/NDF: 142343.2/33

In: 0.201+/-0.013 χ^2/NDF:204618.4/35

Out: 0.039+/-0.013 χ^2/NDF:201801.7/37

All: 0.124+/-0.009 χ^2/NDF: 406499.0/73

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: -0.368+/-0.013 χ^2/NDF:6722.6/19

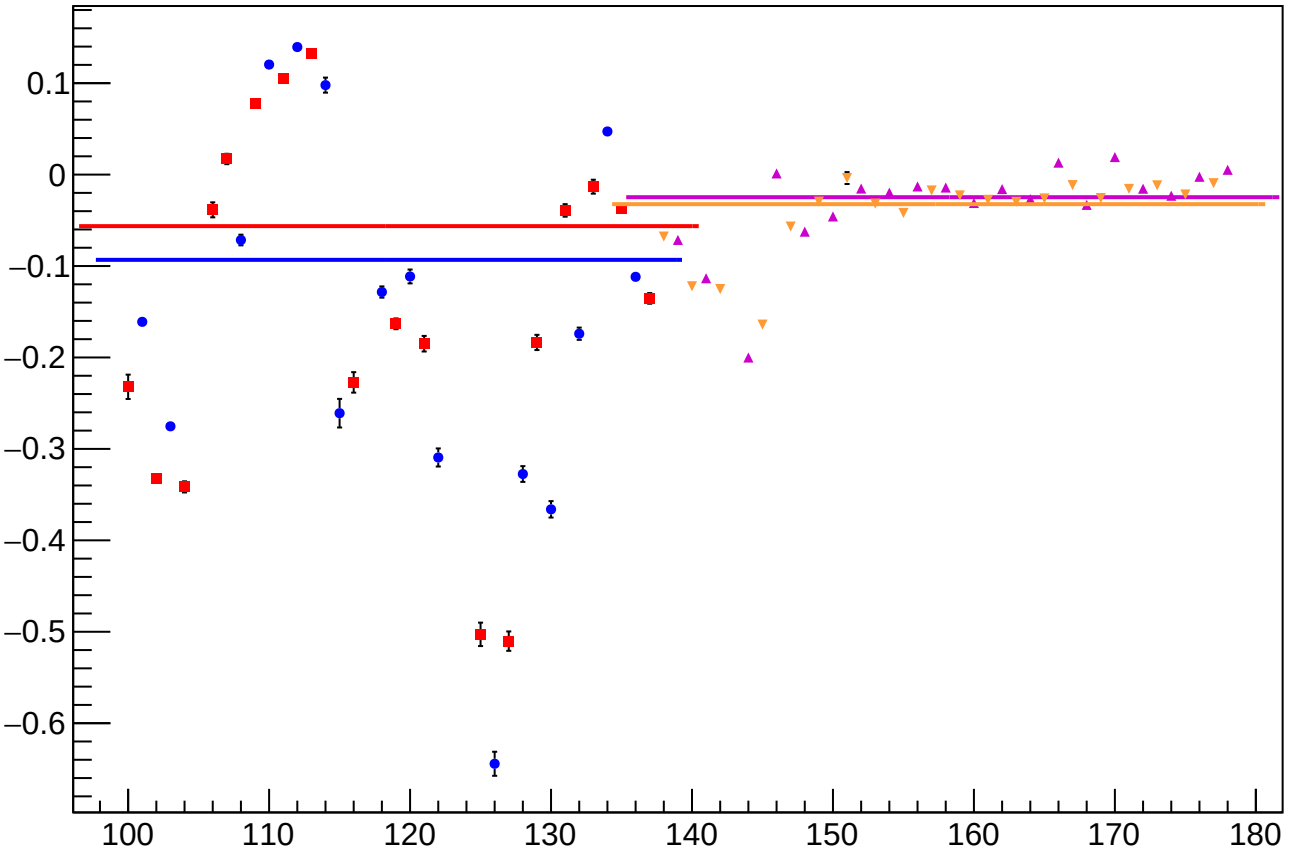
Left: -0.455+/-0.010 χ^2/NDF: 11056.2/39

Right: -0.507+/-0.016 χ^2/NDF: 6871.2/33

In: -0.400+/-0.011 χ^2/NDF:11195.0/35

Out: -0.549+/-0.012 χ^2/NDF:6660.3/37

All: -0.469+/-0.008 χ^2/NDF: 17935.0/73



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: -0.025+/-0.001 χ^2/NDF:3892.0/19

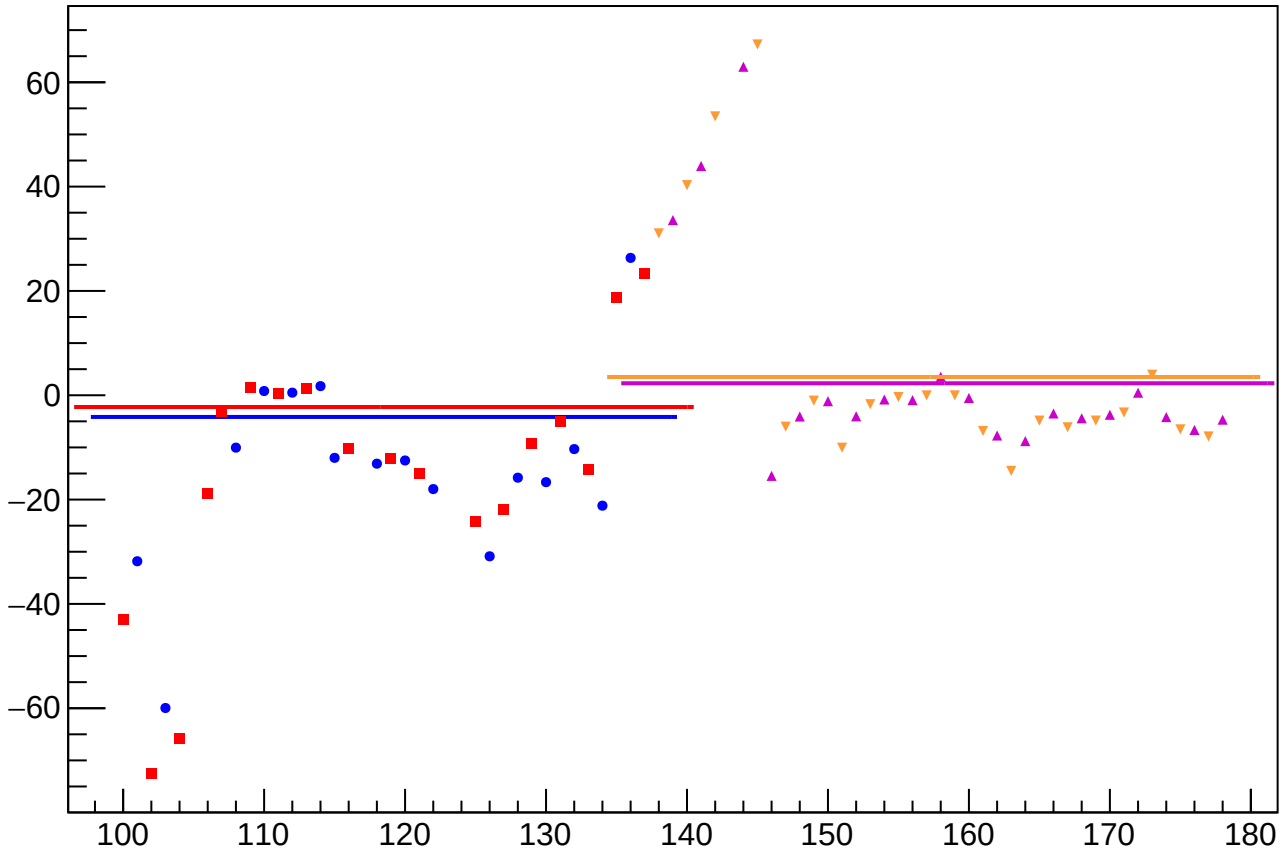
Left: -0.028+/-0.000 χ^2/NDF: 6445.9/39

Right: -0.073+/-0.001 χ^2/NDF: 26566.6/33

In: -0.034+/-0.001 χ^2/NDF:17669.0/35

Out: -0.037+/-0.001 χ^2/NDF:17203.2/37

All: -0.035+/-0.000 χ^2/NDF: 34888.6/73



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: 2.300+/-0.045 χ^2/NDF:128753.3/19

Left: 2.825+/-0.034 χ^2/NDF: 253950.8/39

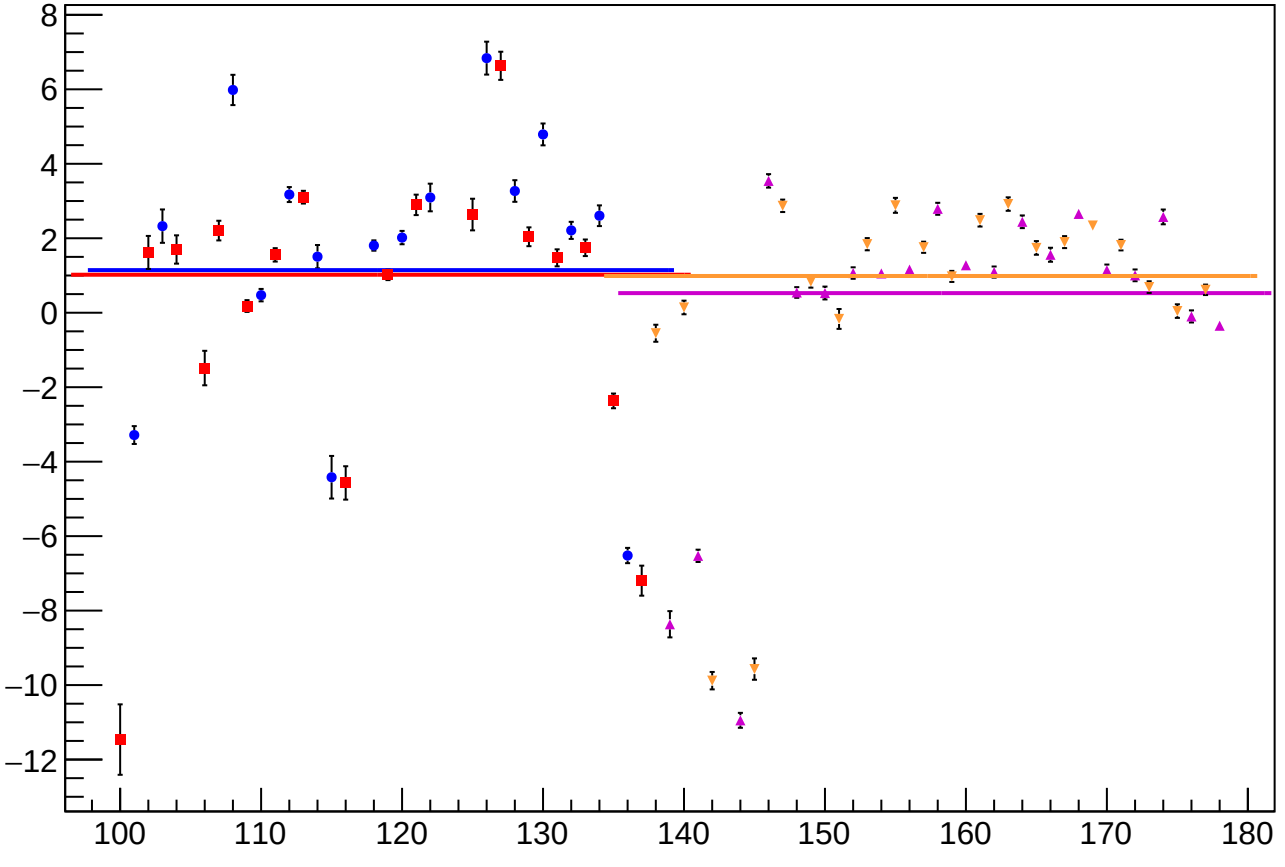
Right: -3.046+/-0.035 χ^2/NDF: 155775.7/33

In: -0.355+/-0.035 χ^2/NDF:212483.5/35

Out: 0.293+/-0.034 χ^2/NDF:211457.4/37

All: -0.026+/-0.024 χ^2/NDF: 424115.9/73

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: 0.527+/-0.034 χ^2/NDF:6914.3/19

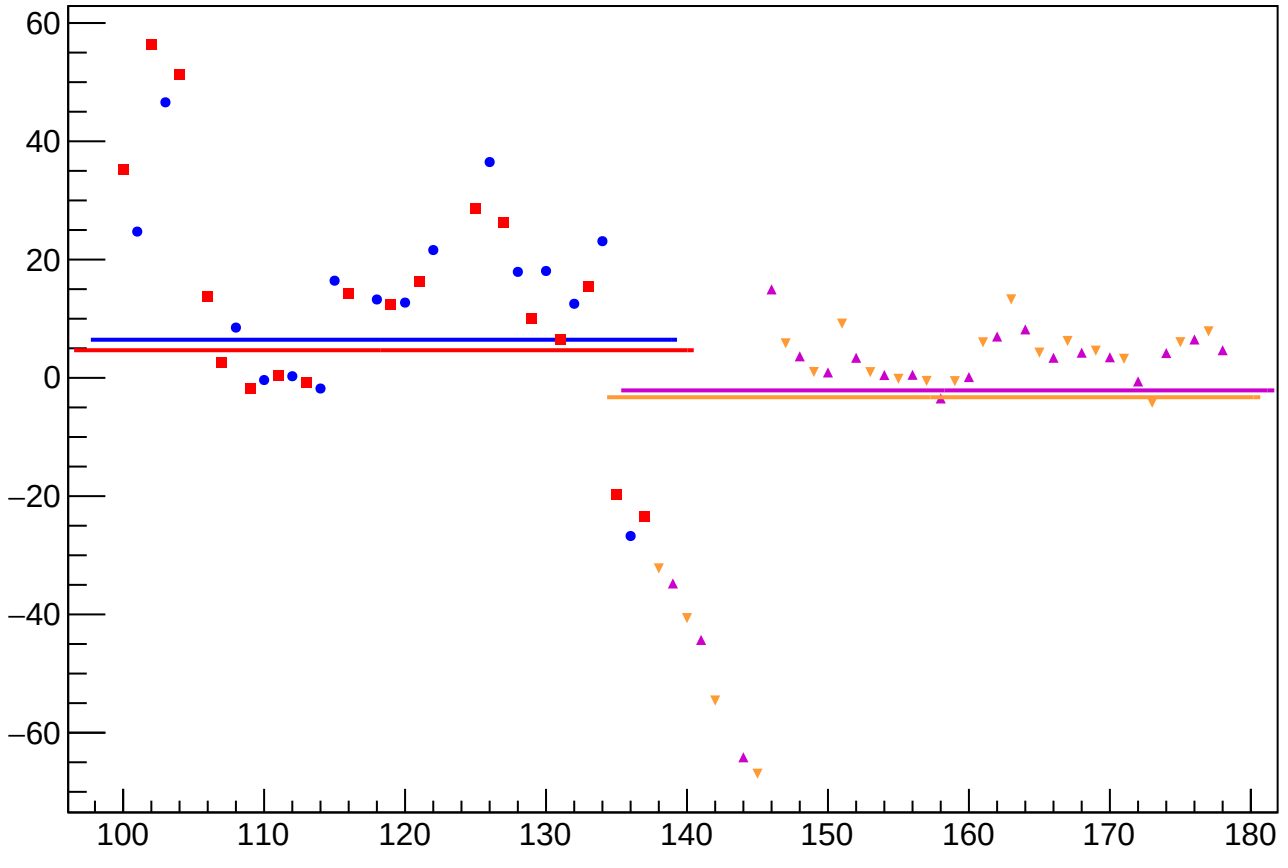
Left: 0.728+/-0.025 χ^2/NDF: 11267.1/39

Right: 1.079+/-0.041 χ^2/NDF: 4188.7/33

In: 0.675+/-0.030 χ^2/NDF:9589.7/35

Out: 0.997+/-0.032 χ^2/NDF:5863.7/37

All: 0.824+/-0.022 χ^2/NDF: 15508.3/73



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: -2.120+/-0.044 χ^2/NDF:125711.8/19

Left: -2.620+/-0.033 χ^2/NDF: 246278.2/39

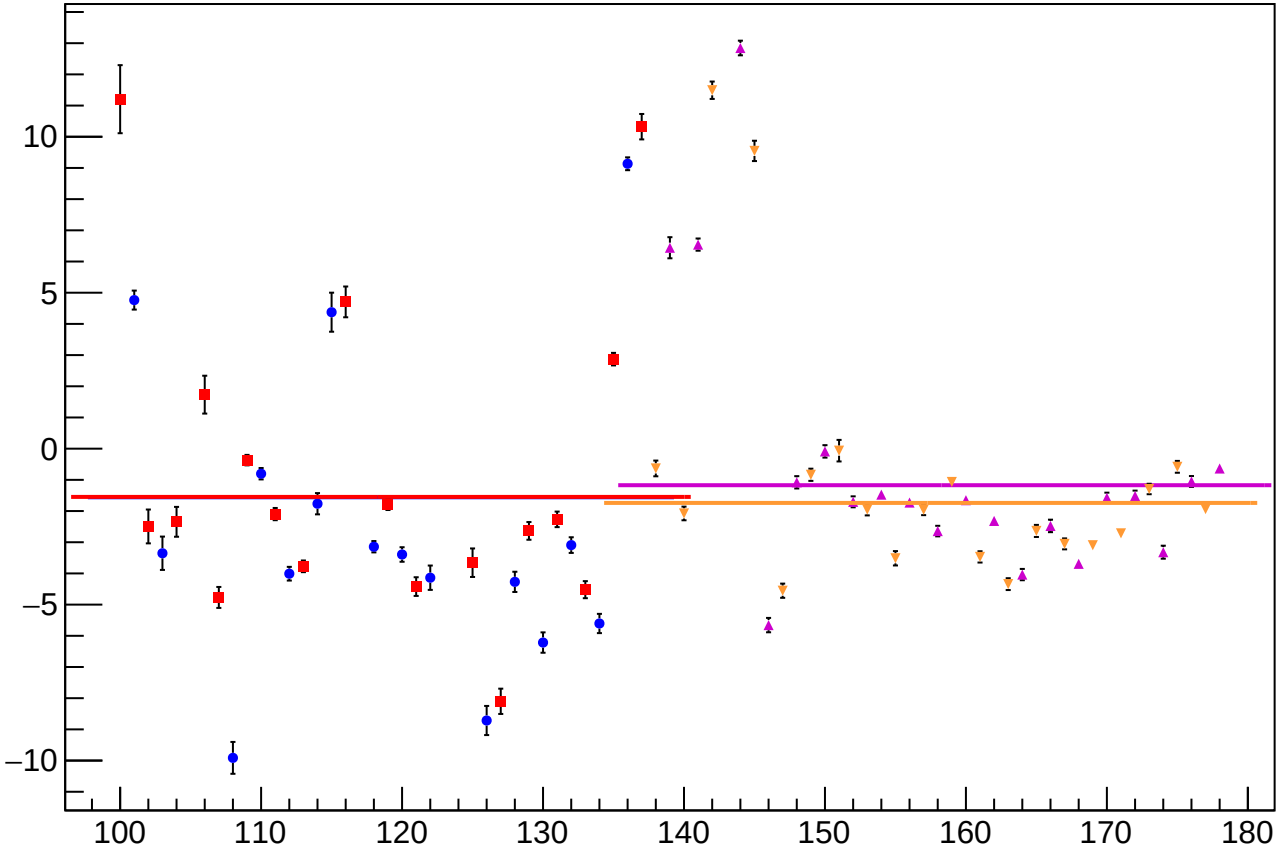
Right: 5.475+/-0.044 χ^2/NDF: 145645.8/33

In: 0.606+/-0.037 χ^2/NDF:208414.9/35

Out: 0.107+/-0.039 χ^2/NDF:205108.7/37

All: 0.369+/-0.027 χ^2/NDF: 413611.8/73

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

Left Out: -1.739+/-0.043 χ^2/NDF:4269.9/19

Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: -1.172+/-0.038 χ^2/NDF:6880.4/19

Left: -1.420+/-0.028 χ^2/NDF: 11248.6/39

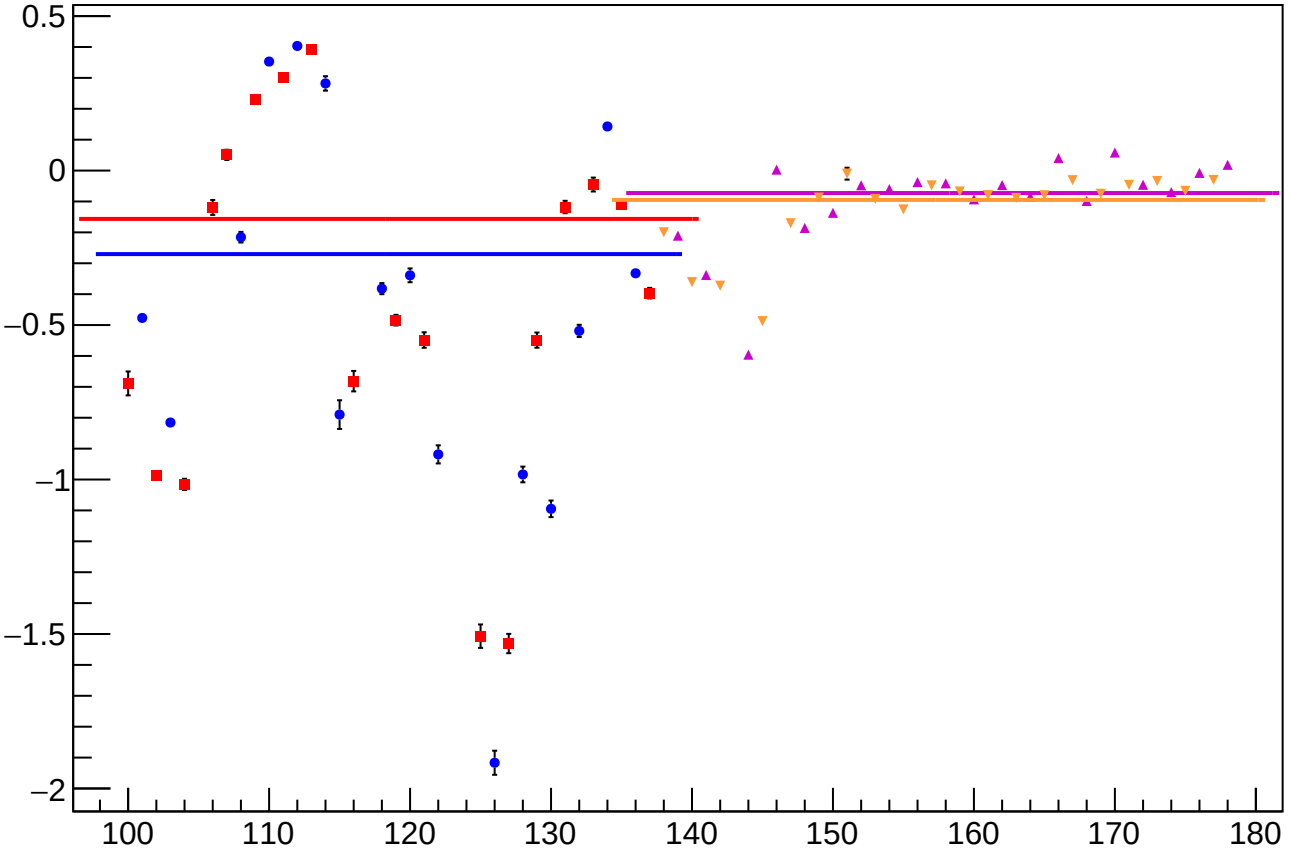
Right: -1.552+/-0.047 χ^2/NDF: 7013.2/33

In: -1.261+/-0.033 χ^2/NDF:11447.5/35

Out: -1.680+/-0.036 χ^2/NDF:6746.1/37

All: -1.455+/-0.024 χ^2/NDF: 18267.6/73

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.095+/-0.002 χ^2/NDF:2510.7/19

Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.073+/-0.002 χ^2/NDF:3996.9/19

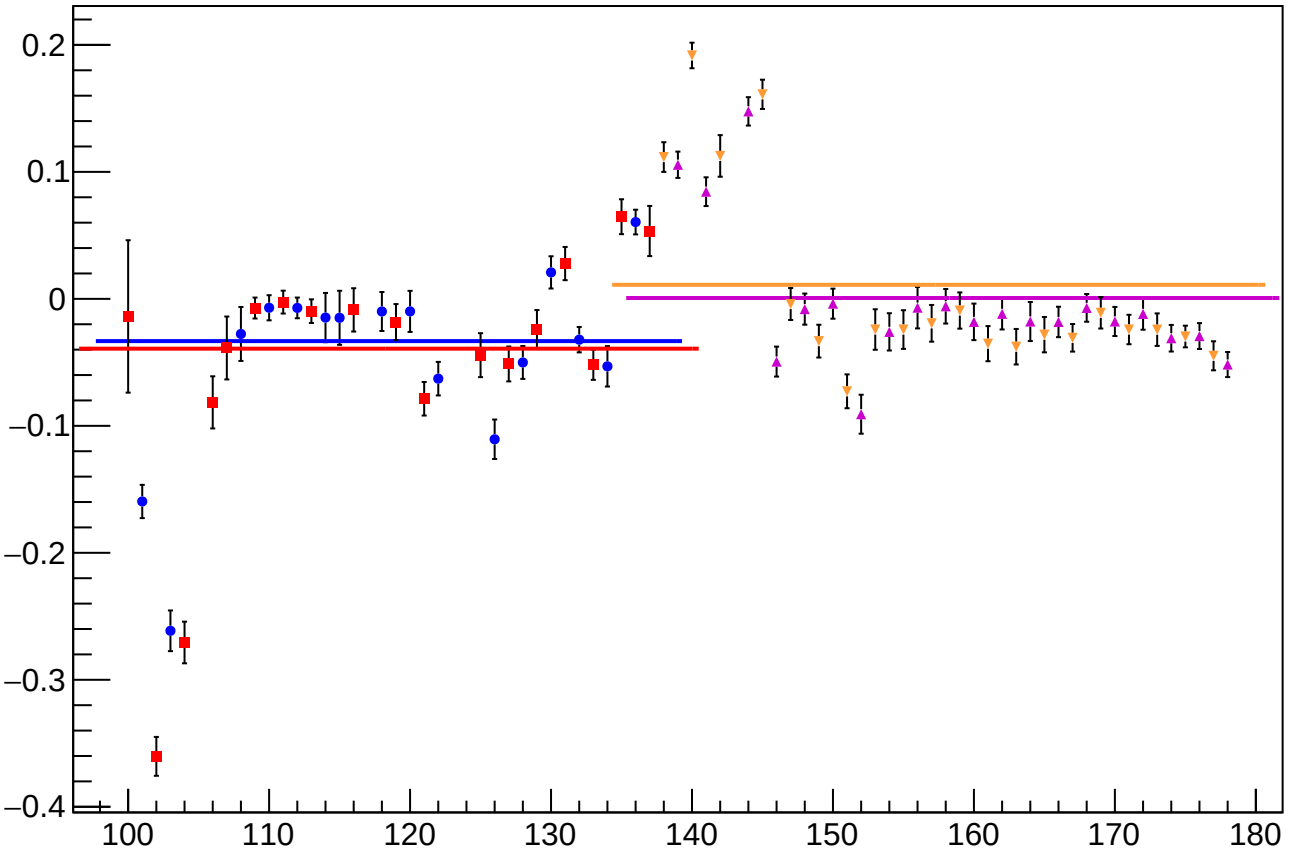
Left: -0.082+/-0.001 χ^2/NDF: 6588.5/39

Right: -0.208+/-0.003 χ^2/NDF: 27539.3/33

In: -0.099+/-0.002 χ^2/NDF:18075.1/35

Out: -0.107+/-0.002 χ^2/NDF:17752.6/37

All: -0.102+/-0.001 χ^2/NDF: 35841.0/73



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: 0.001+/-0.003 χ^2/NDF:445.0/19

Left: 0.006+/-0.002 χ^2/NDF: 1238.5/39

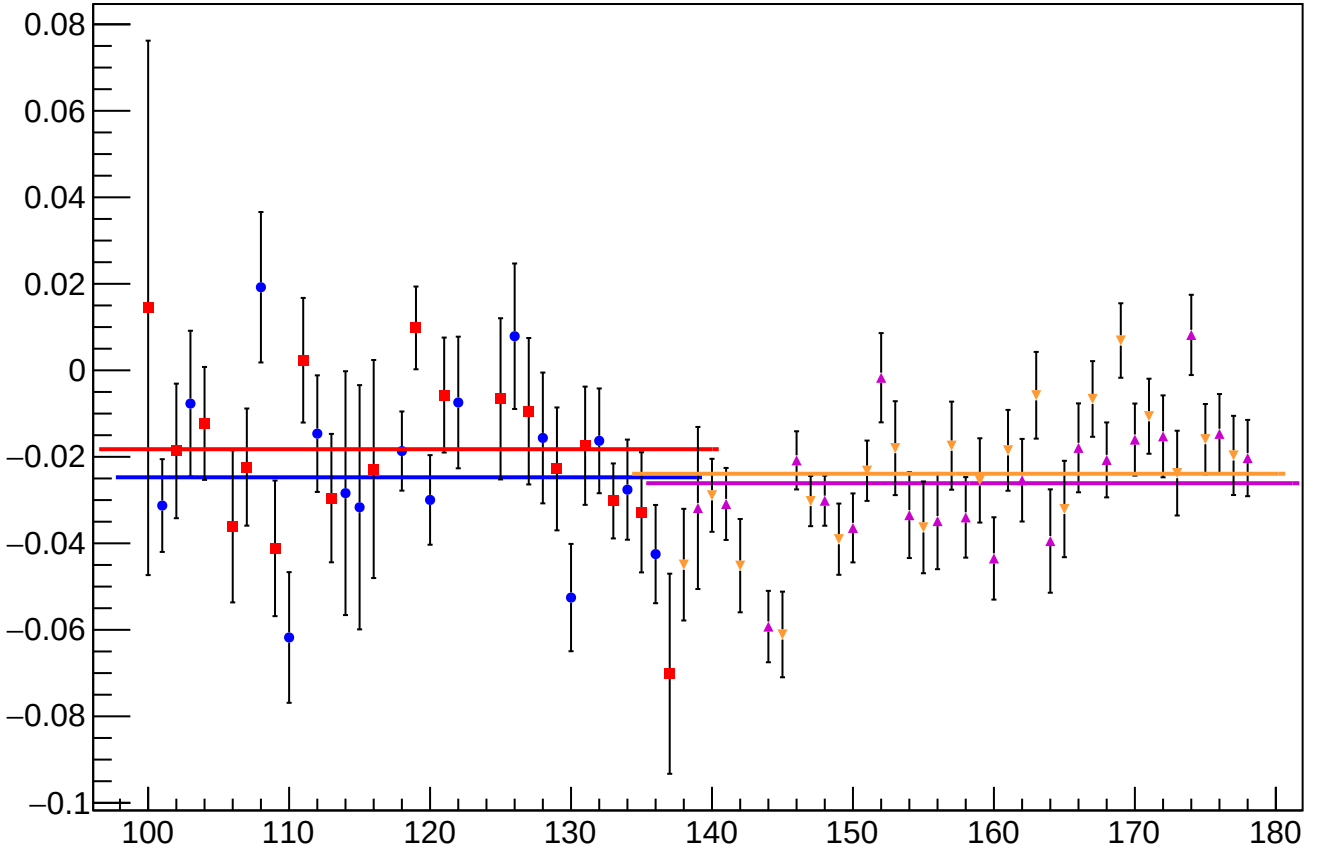
Right: -0.036+/-0.002 χ^2/NDF: 1272.8/33

In: -0.013+/-0.002 χ^2/NDF:974.1/35

Out: -0.011+/-0.002 χ^2/NDF:1735.6/37

All: -0.012+/-0.001 χ^2/NDF: 2710.5/73

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.024+/-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:50.8/19

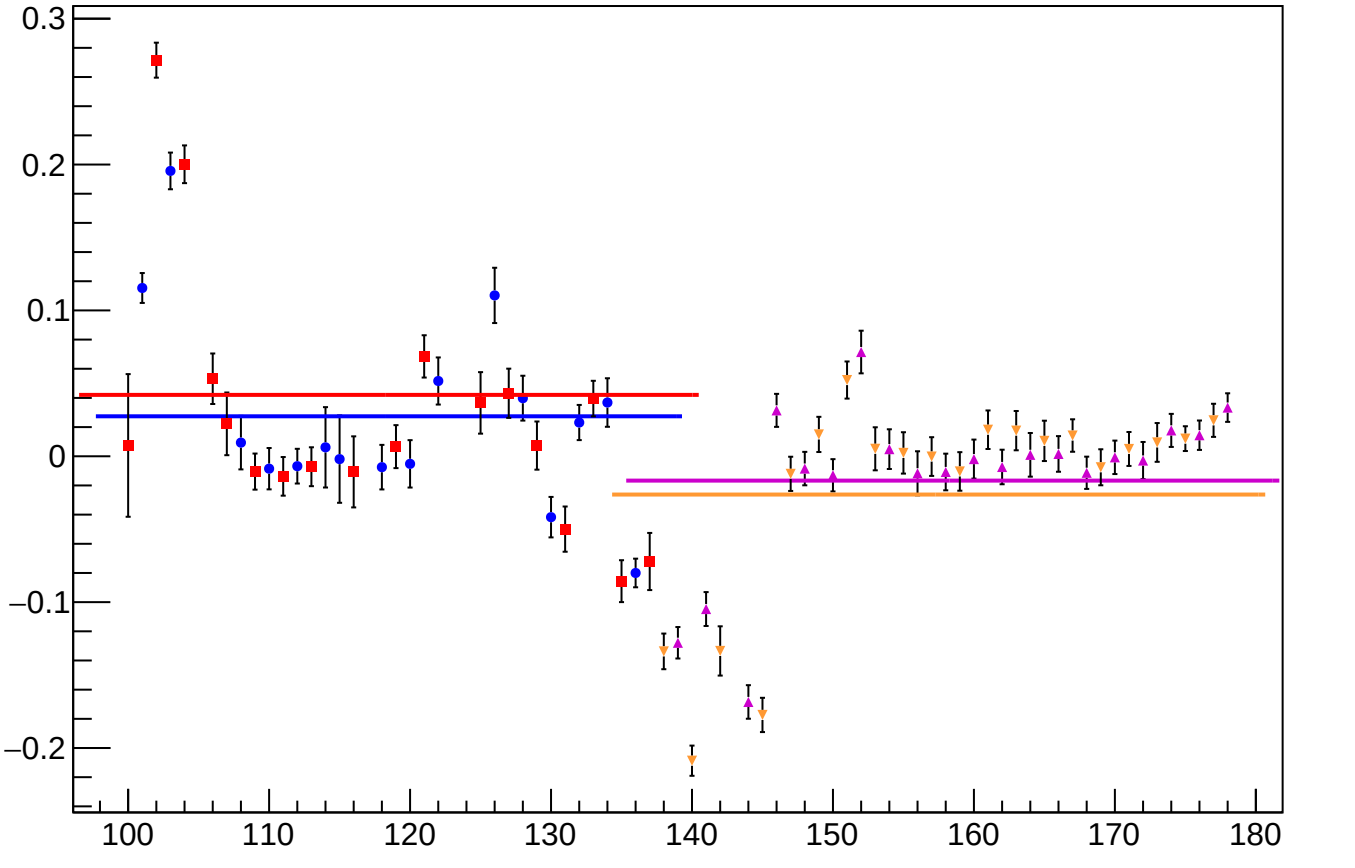
Left: -0.025+/-0.001 χ^2/NDF: 103.4/39

Right: -0.022+/-0.002 χ^2/NDF: 55.1/33

In: -0.026+/-0.002 χ^2/NDF:79.5/35

Out: -0.022+/-0.002 χ^2/NDF:78.8/37

All: -0.024+/-0.001 χ^2/NDF: 160.1/73



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: -0.017+/-0.003 χ^2/NDF:449.2/19

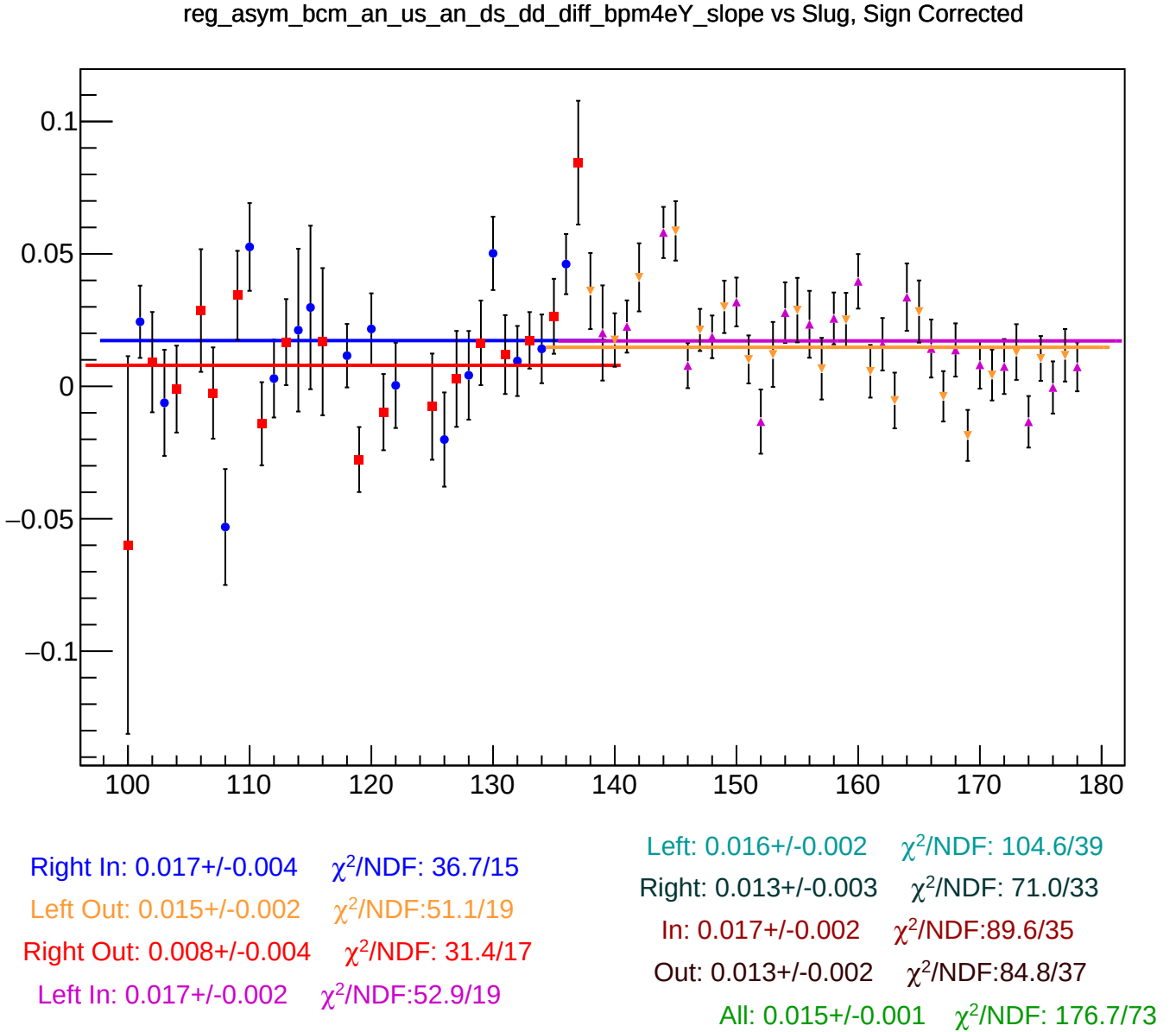
Left: -0.021+/-0.002 χ^2/NDF: 1213.8/39

Right: 0.035+/-0.003 χ^2/NDF: 1187.6/33

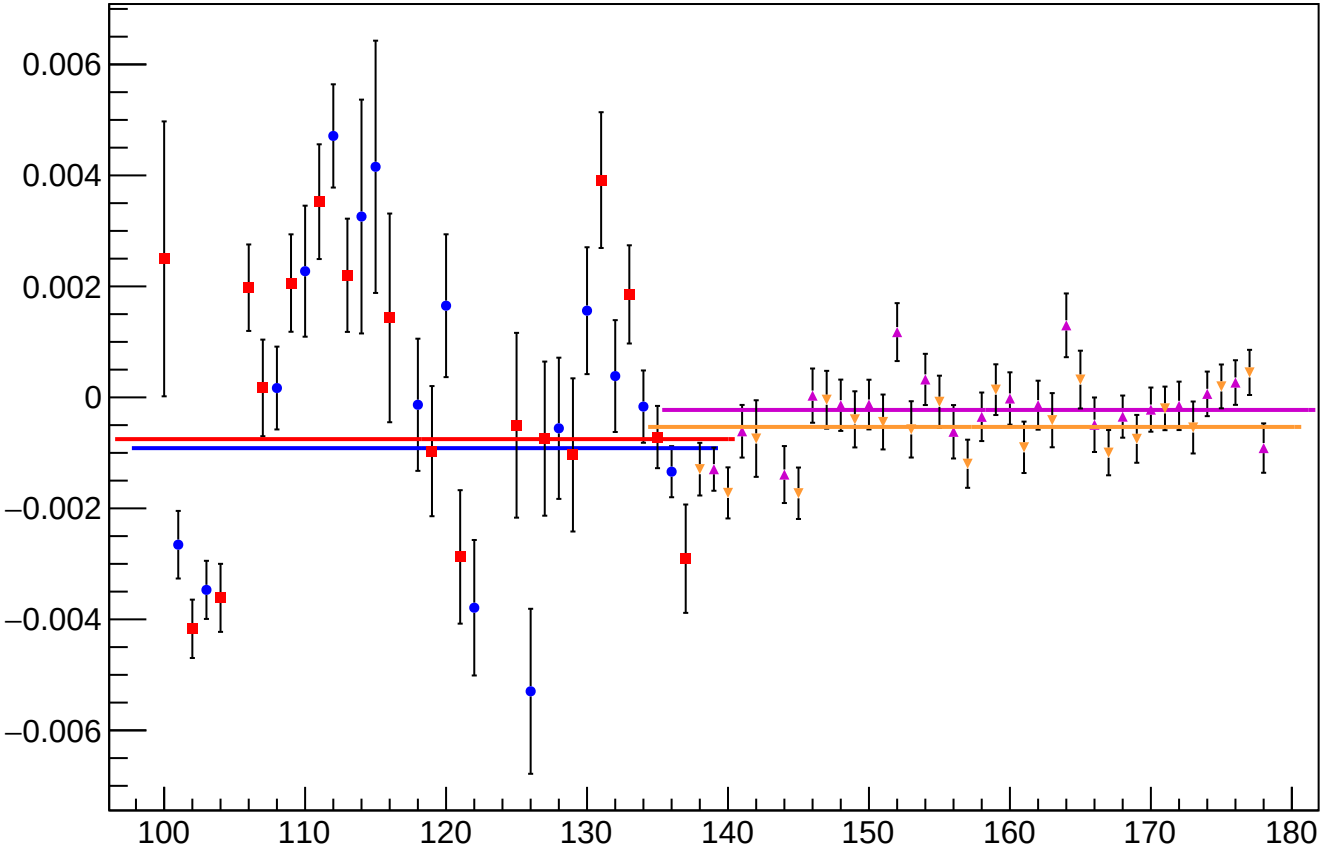
In: -0.001+/-0.002 χ^2/NDF:993.3/35

Out: -0.002+/-0.002 χ^2/NDF:1716.9/37

All: -0.001+/-0.002 χ^2/NDF: 2710.3/73


reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
170
180
Right In: 0.017+/-0.004 χ²/NDF: 36.7/15
Left Out: 0.015+/-0.002 χ²/NDF:51.1/19
Right Out: 0.008+/-0.004 χ²/NDF: 31.4/17
Left In: 0.017+/-0.002 χ²/NDF:52.9/19
Left: 0.016+/-0.002 χ²/NDF: 104.6/39
Right: 0.013+/-0.003 χ²/NDF: 71.0/33
In: 0.017+/-0.002 χ²/NDF:89.6/35
Out: 0.013+/-0.002 χ²/NDF:84.8/37
All: 0.015+/-0.001 χ²/NDF: 176.7/73

reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.001+/-0.000 χ^2/NDF:37.3/19

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

Left In: -0.000+/-0.000 χ^2/NDF:35.2/19

Left: -0.000+/-0.000 χ^2/NDF: 77.0/39

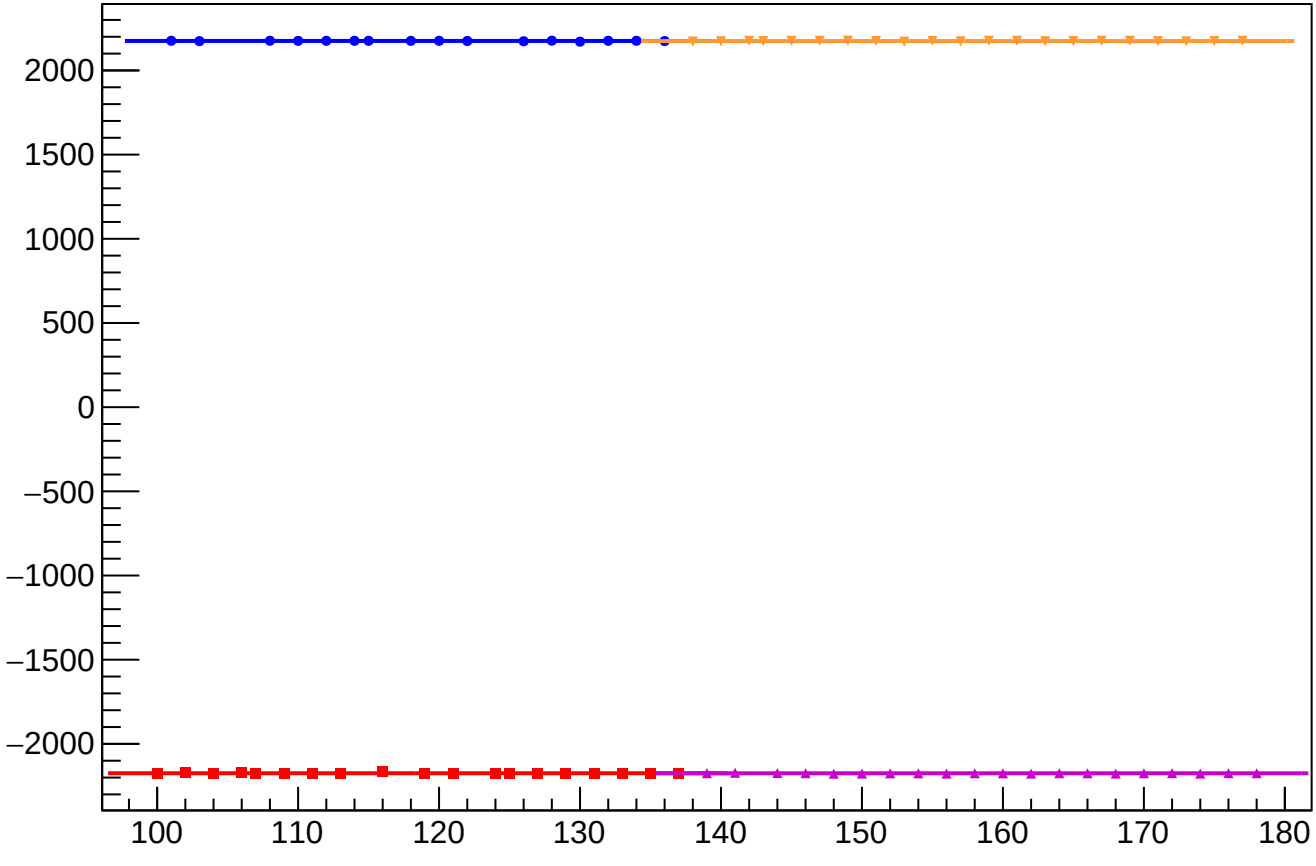
Right: -0.001+/-0.000 χ^2/NDF: 261.9/33

In: -0.000+/-0.000 χ^2/NDF:157.9/35

Out: -0.001+/-0.000 χ^2/NDF:185.7/37

All: -0.000+/-0.000 χ^2/NDF: 346.6/73

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:4492156284424838876505494068920320.0/20

Right Out: -2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171 8272.0/18

Left In: -2174.619+/-0.000 χ^2/NDF:307976128780229674644802497832 5504.0/19

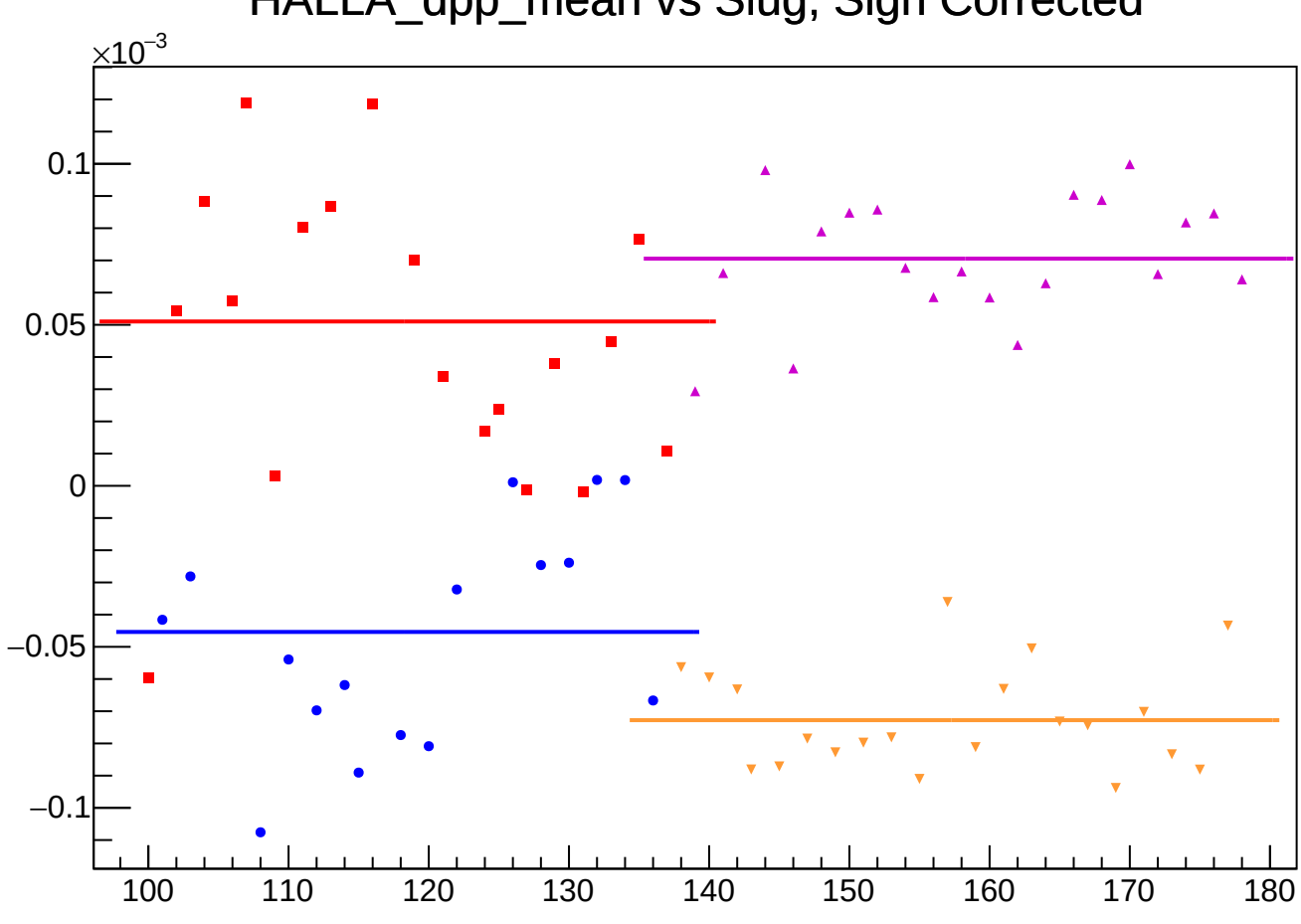
Left: 23.381+/-0.000 χ^2/NDF: 16251160687391488

Right: -31.373+/-0.000 χ^2/NDF: 7111791049076111

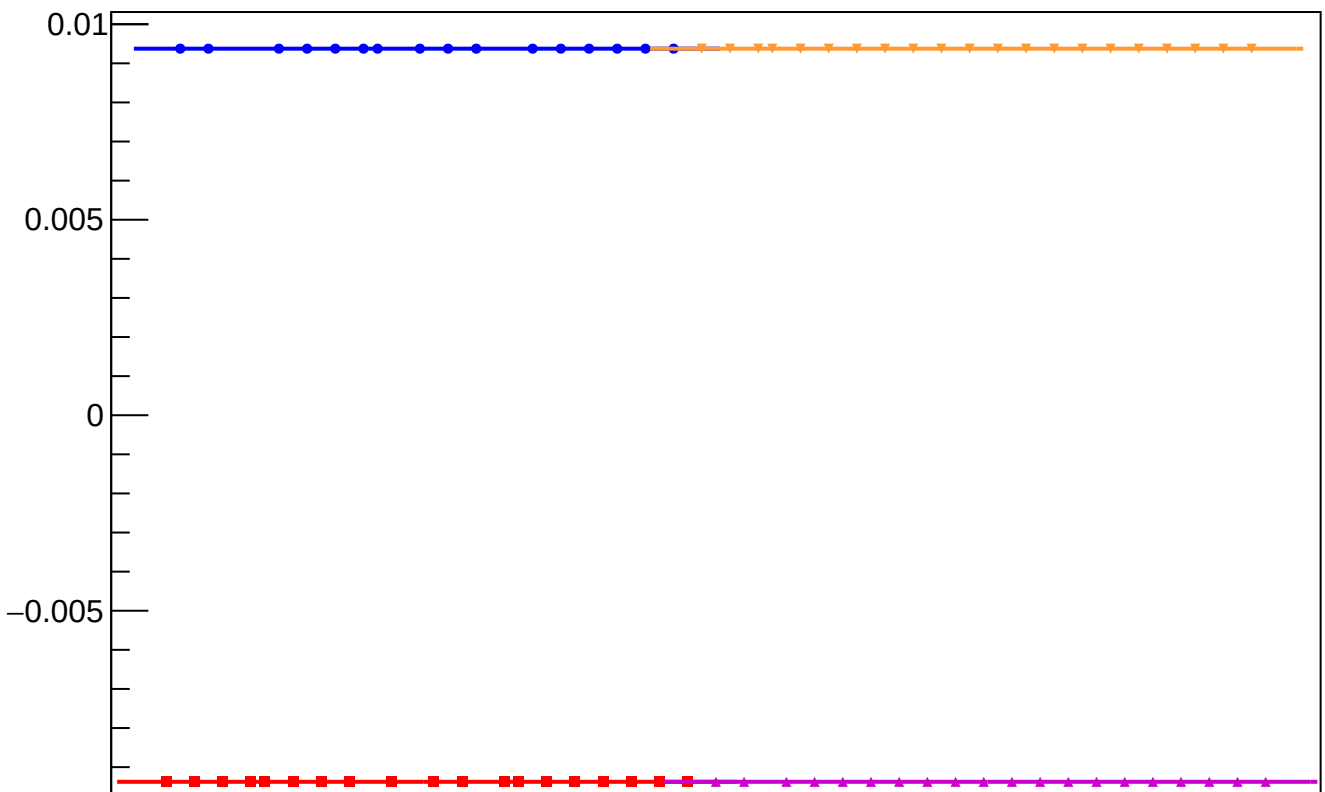
In: -854.170+/-0.000 χ^2/NDF:9764323421070845

Out: 847.282+/-0.000 χ^2/NDF:1002630218734945

All: 6.715+/-0.000 χ^2/NDF: 2336608827972


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: 10119559107206471011532800.0/18
Left In: 0.000+/-0.000 χ²/NDF:6155554983799457872609280.0/19
Left: -0.000+/-0.000 χ²/NDF: 187014439597705690
Right: 0.000+/-0.000 χ²/NDF: 521935687334018490
In: 0.000+/-0.000 χ²/NDF:8264298589979784782
Out: -0.000+/-0.000 χ²/NDF:95750724006279393
All: -0.000+/-0.000 χ²/NDF: 2395149357560

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:0.1/19

Left: 0.000+/-0.000 χ^2/NDF: 302045070192026959

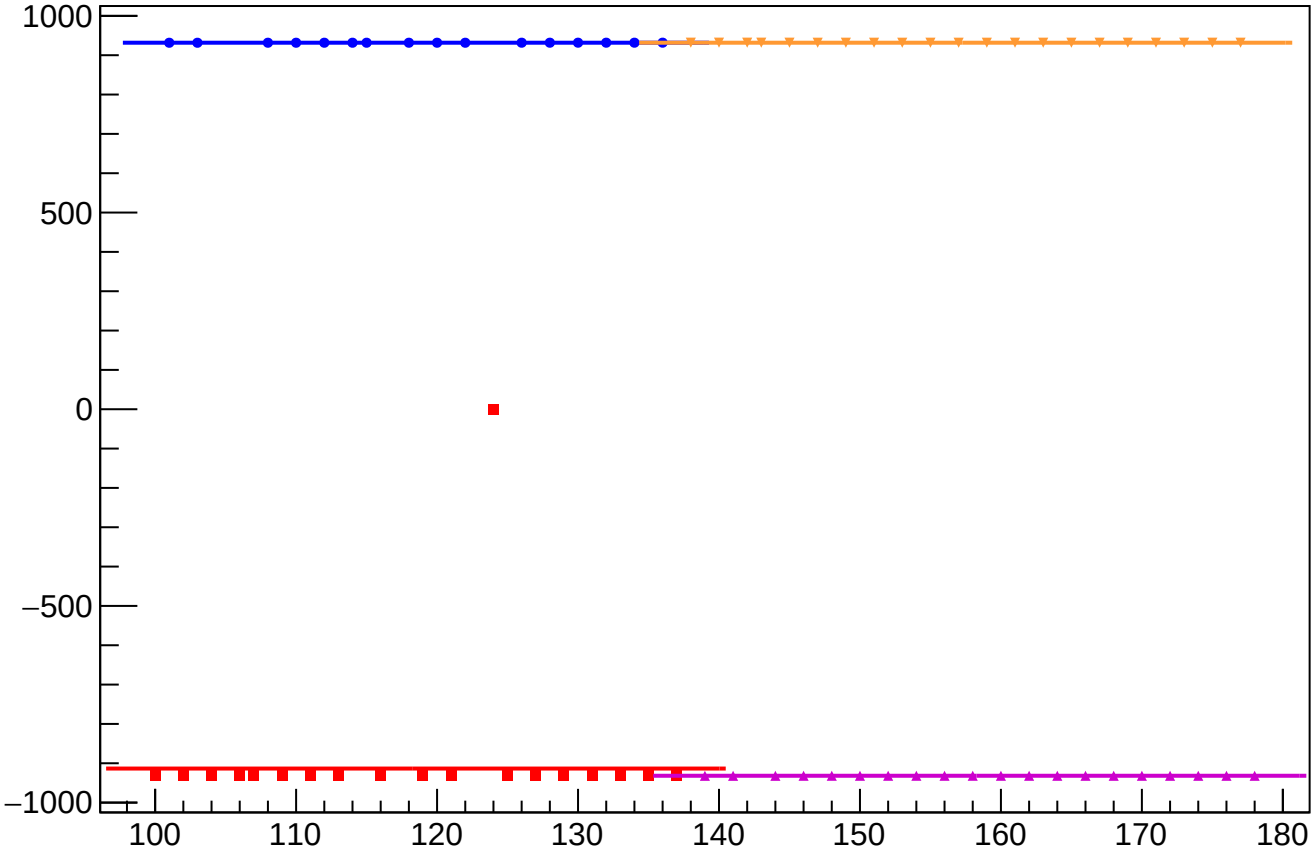
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.004+/-0.000 χ^2/NDF:181426989451044224

Out: 0.004+/-0.000 χ^2/NDF:186374671874999611

All: 0.000+/-0.000 χ^2/NDF: 43426357581967

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 931.769+/-0.000 χ^2/NDF: 2757217223595001187167685836800.0/15

Left Out: 931.785+/-0.000 χ^2/NDF:4183180514851645781908949827584.0/20

Right Out: -913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

Left In: -931.778+/-0.000 χ^2/NDF:38131267903567061563154314035200.0/19

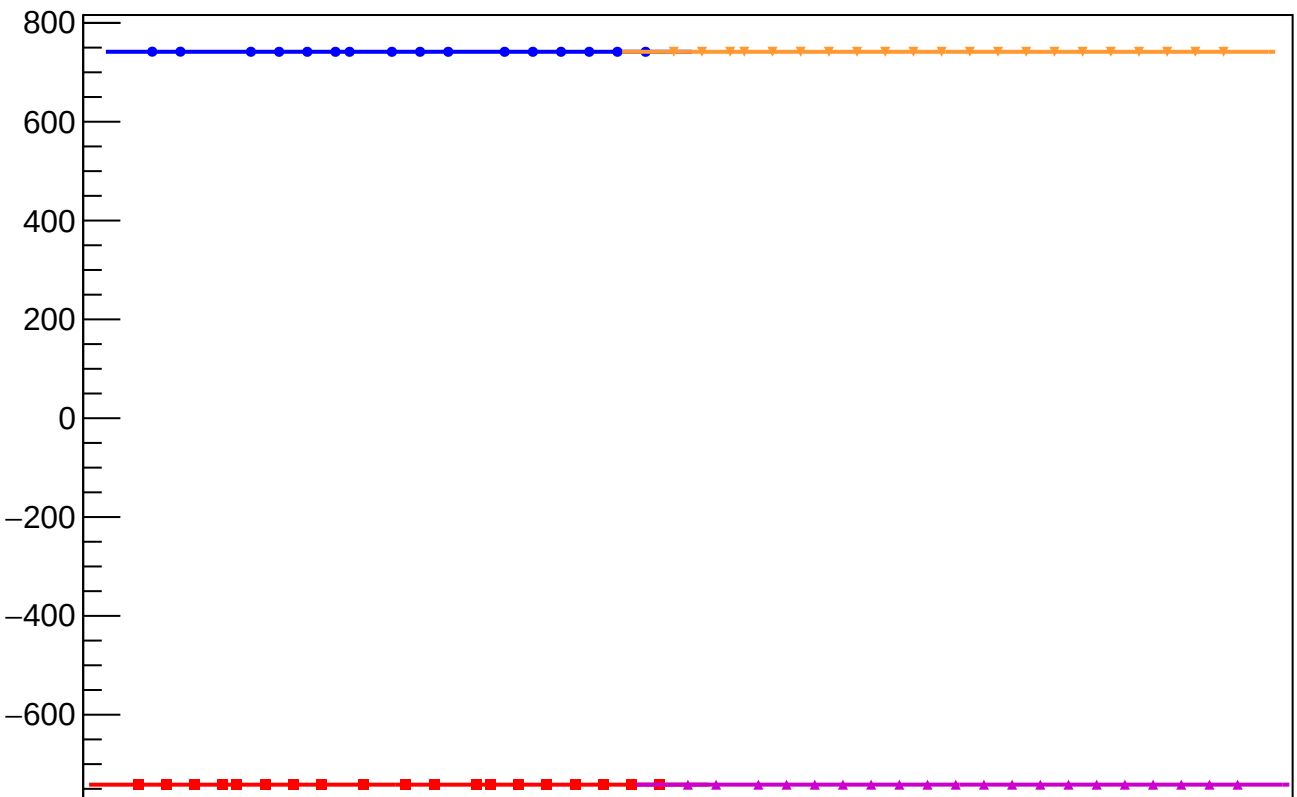
Left: 10.035+/-0.000 χ^2/NDF: 29837150422860406

Right: -4.335+/-0.000 χ^2/NDF: 1292705120140630

In: -366.072+/-0.000 χ^2/NDF:1792173242564236

Out: 368.620+/-0.000 χ^2/NDF:181780394130676

All: 5.661+/-0.000 χ^2/NDF: 4276636169648



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:212102474236135944602104365056.0/19

Left: 7.983+/-0.000 χ^2/NDF: 188958104474385412

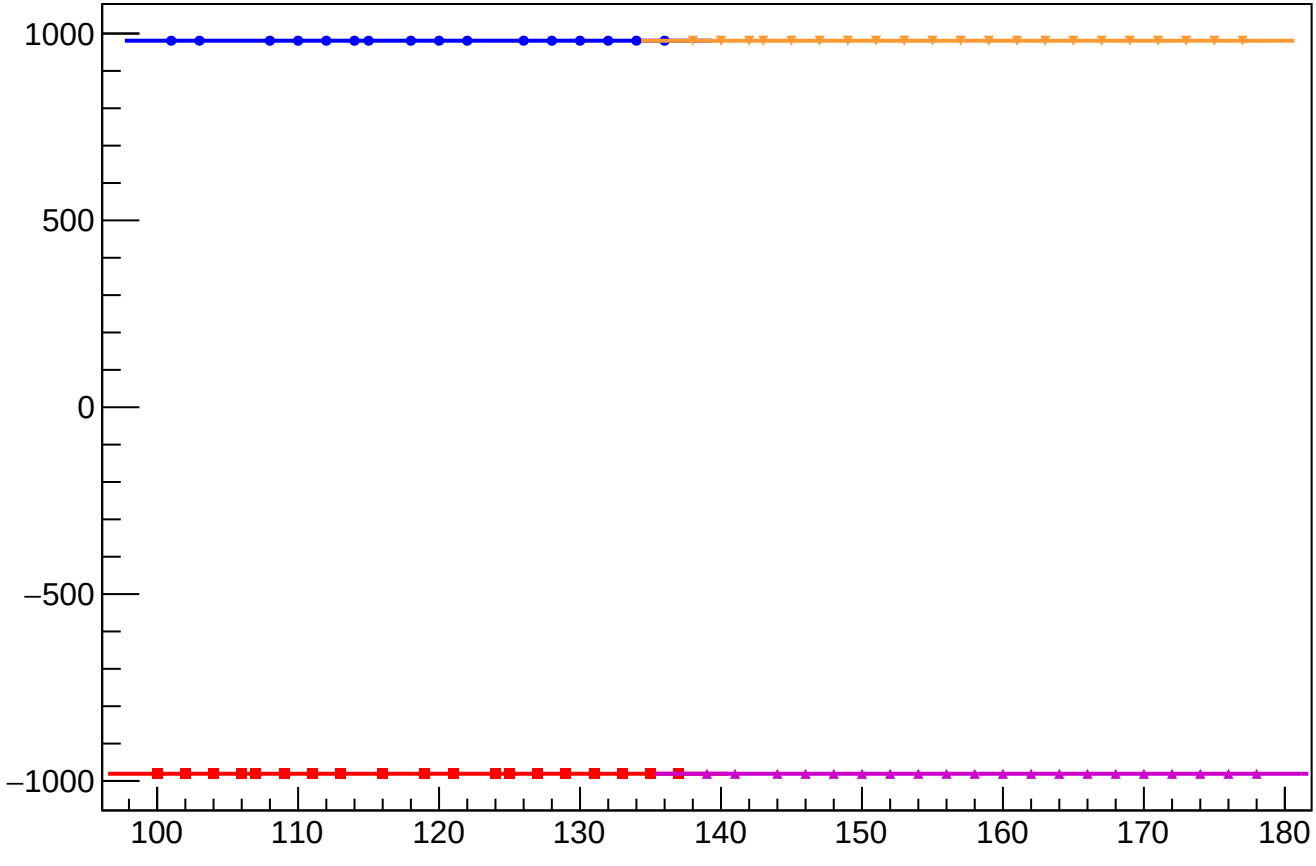
Right: -10.851+/-0.000 χ^2/NDF: 826918104240998

In: -291.302+/-0.000 χ^2/NDF:1135086214366711

Out: 288.873+/-0.000 χ^2/NDF:116605424555526

All: 2.250+/-0.000 χ^2/NDF: 2716870262198

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 980.804+/-0.000 χ^2/NDF: 9333132768848077867742459330560.0/15

Left Out: 980.767+/-0.000 χ^2/NDF:74033991991057327363731331481 6.0/20

Right Out: -980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705 92.0/18

Left In: -980.773+/-0.000 χ^2/NDF:14958960041641615957004312903 68.0/19

Left: 10.555+/-0.000 χ^2/NDF: 3305699559286895

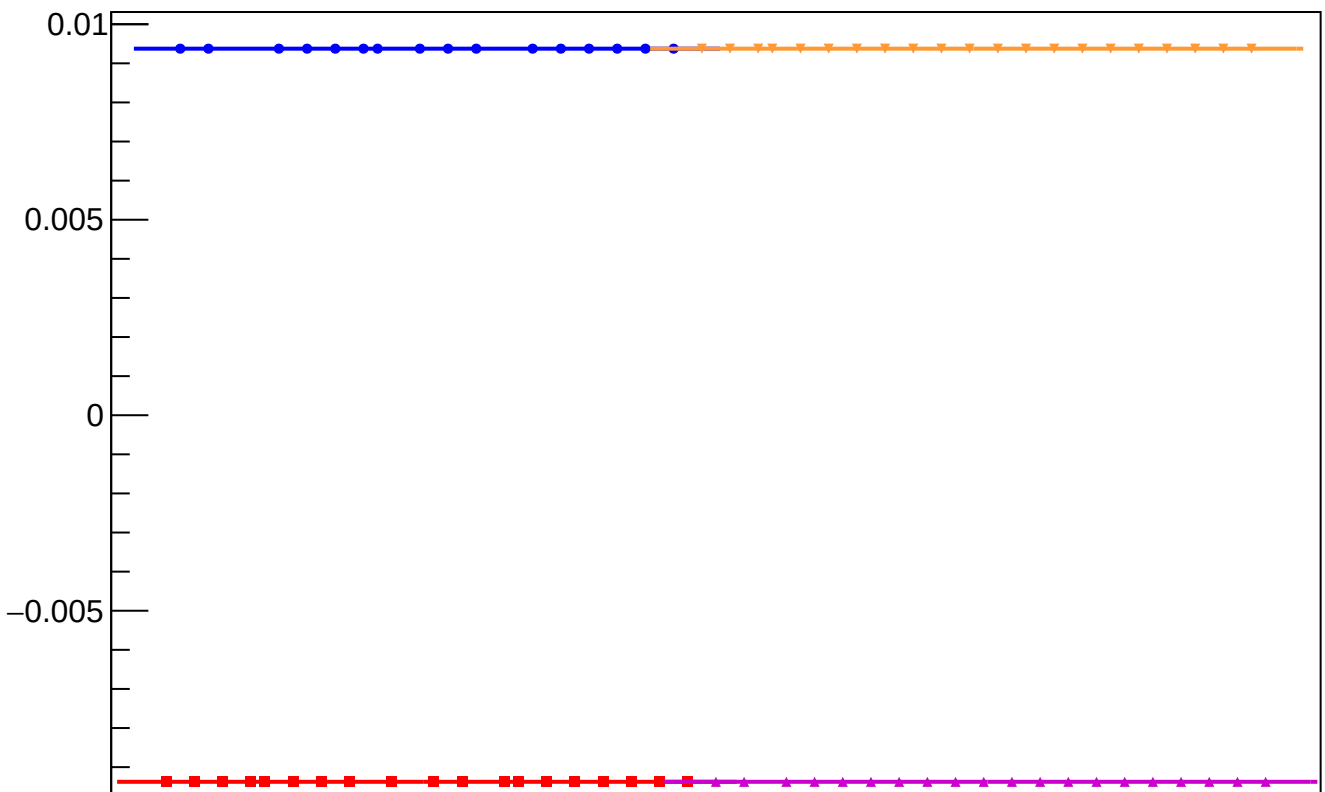
Right: -14.307+/-0.000 χ^2/NDF: 144638600880856

In: -385.308+/-0.000 χ^2/NDF:19856830335403 09

Out: 382.120+/-0.000 χ^2/NDF:20396574785410 29

All: 2.987+/-0.000 χ^2/NDF: 4752732236350

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:0.1/19

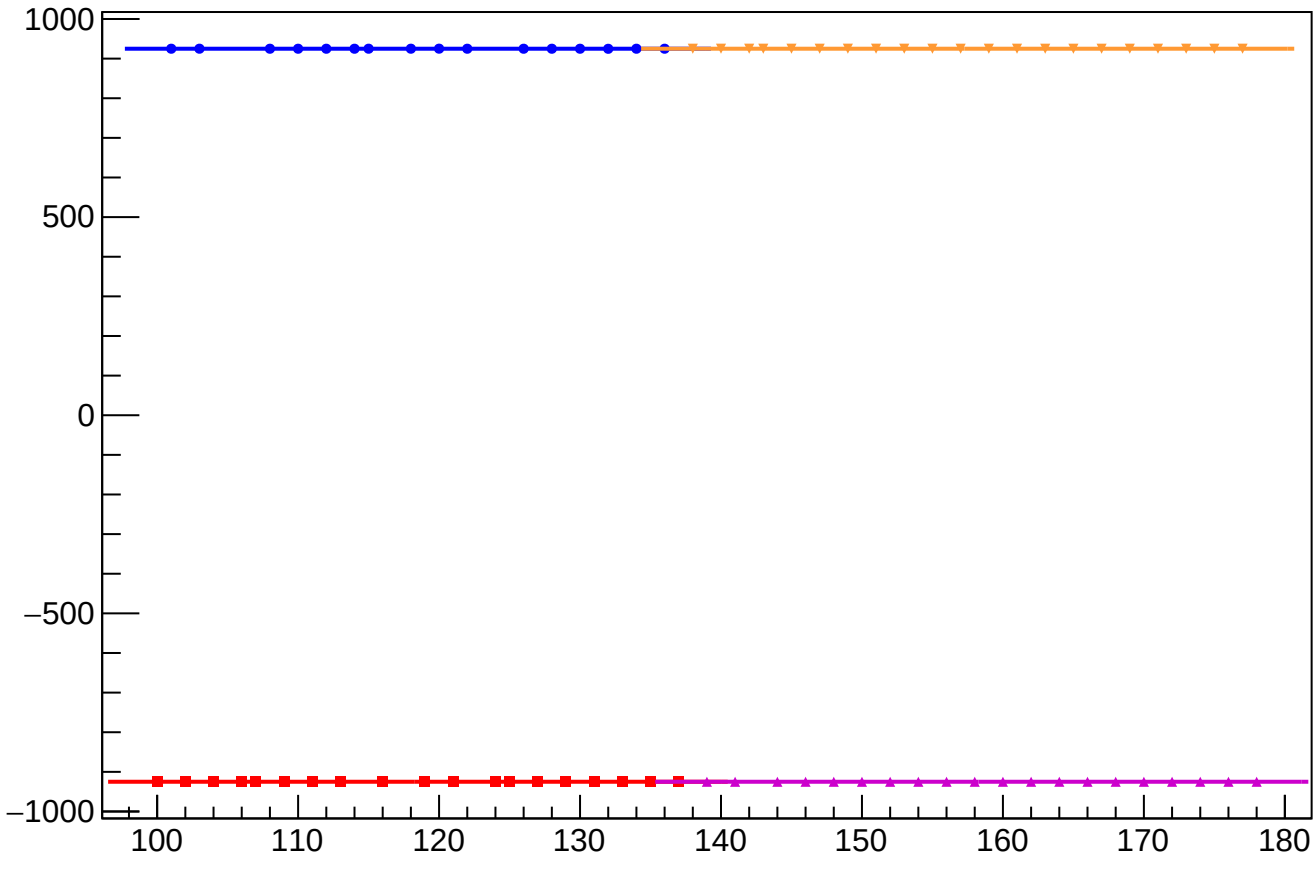
Left: 0.000+/-0.000 χ^2/NDF: 302045070192026959

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.004+/-0.000 χ^2/NDF:181426989451044224

Out: 0.004+/-0.000 χ^2/NDF:186374671874999611

All: 0.000+/-0.000 χ^2/NDF: 43426357581967



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:75890803868489128769506561228 8.0/19

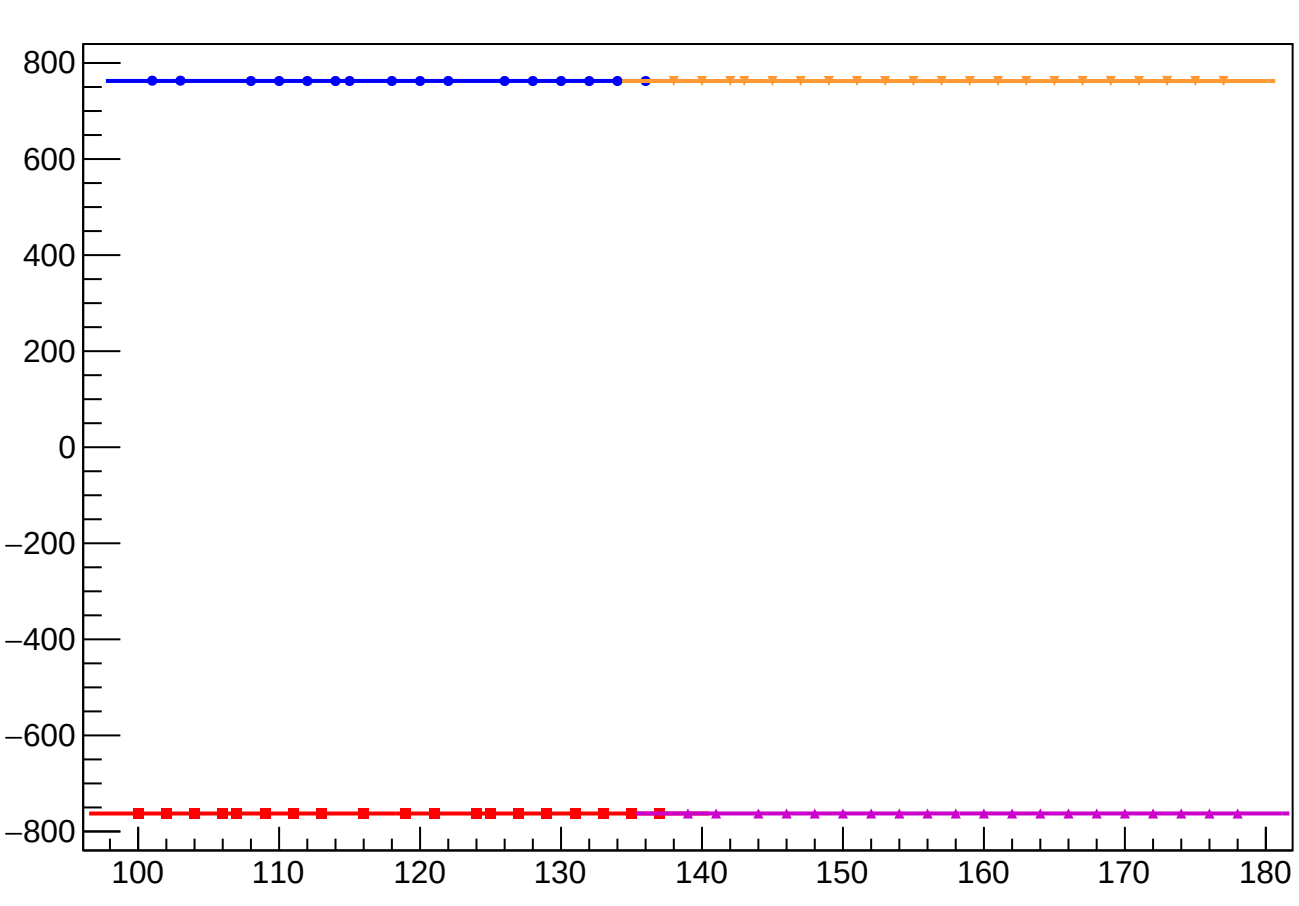
Left: 9.957+/-0.000 χ^2/NDF: 2940342438835498 54

Right: -13.534+/-0.000 χ^2/NDF: 12865015591145 07

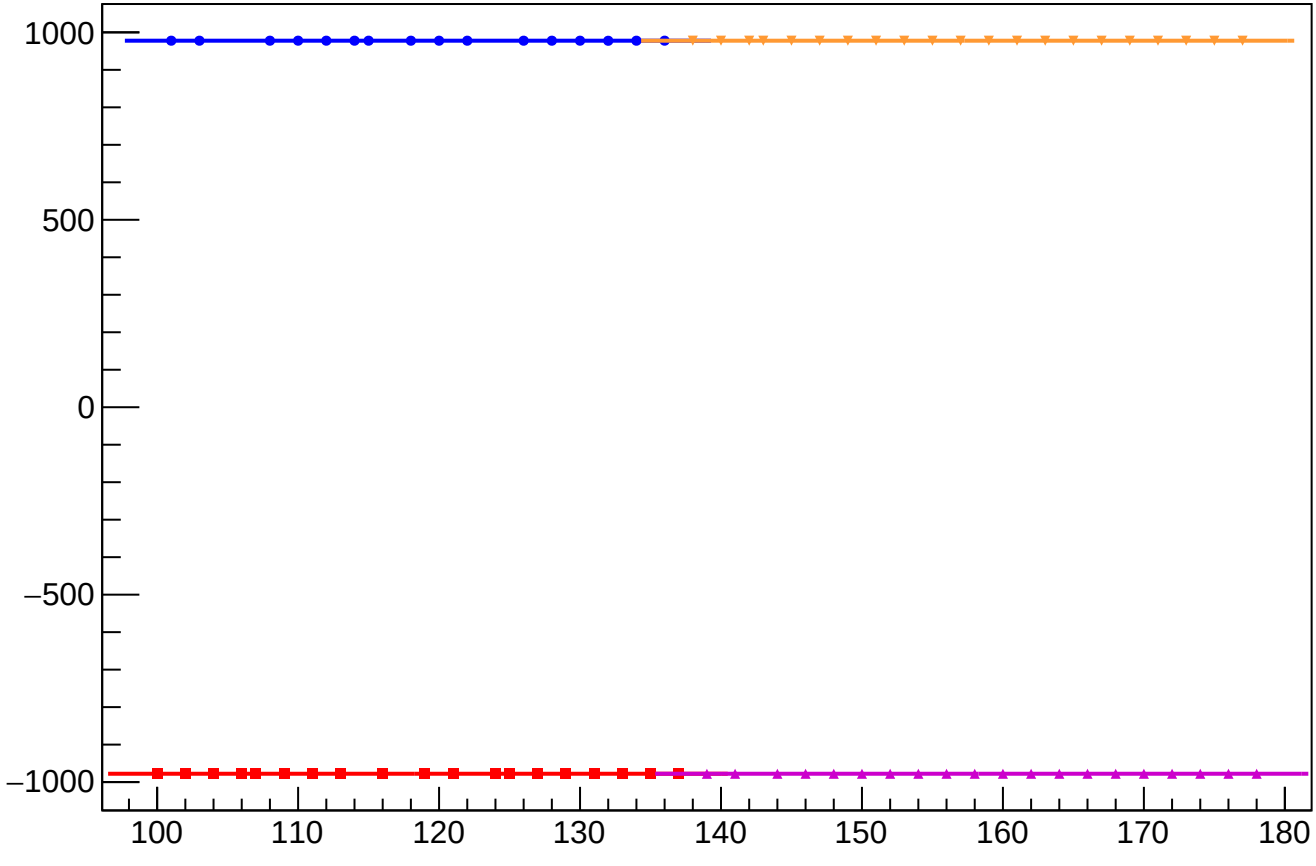
In: -363.406+/-0.000 χ^2/NDF:176611810635425 0

Out: 360.377+/-0.000 χ^2/NDF:18142956793308 68

All: 2.807+/-0.000 χ^2/NDF: 422742133287 54


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: -762.517+/-0.000 χ²/NDF:60191739332264135732300139724 8.0/19
Left: 8.208+/-0.000 χ²/NDF: 199814596808695237
Right: -11.159+/-0.000 χ²/NDF: 8745102746392638
In: -299.543+/-0.000 χ²/NDF:1200360164837467
Out: 297.045+/-0.000 χ²/NDF:1233105180461764
All: 2.313+/-0.000 χ²/NDF: 2873048650960

HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 977.749+/-0.000 χ^2/NDF: 19595783310723160744482245181440/15

Left Out: 977.737+/-0.000 χ^2/NDF:1175974129422599114529330692096.0/20

Right Out: -977.747+/-0.000 χ^2/NDF: 178222687781691472632796623672.0/18

Left In: -977.735+/-0.000 χ^2/NDF:109051084901800706042956768704.0/19

Left: 10.527+/-0.000 χ^2/NDF: 32852794265457451

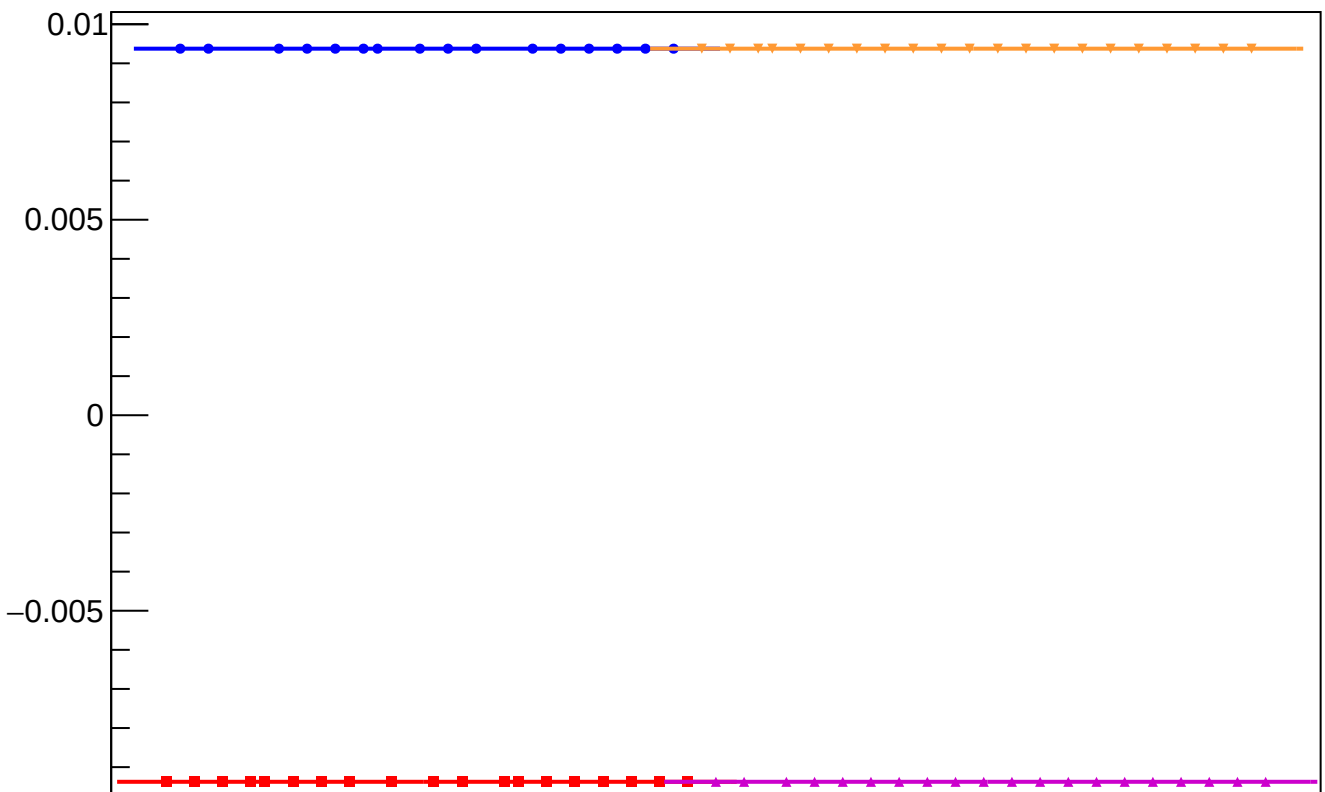
Right: -14.301+/-0.000 χ^2/NDF: 143750377983115

In: -384.120+/-0.000 χ^2/NDF:1973366702393007

Out: 380.923+/-0.000 χ^2/NDF:2027183644702033

All: 2.969+/-0.000 χ^2/NDF: 47234281133422

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:0.1/19

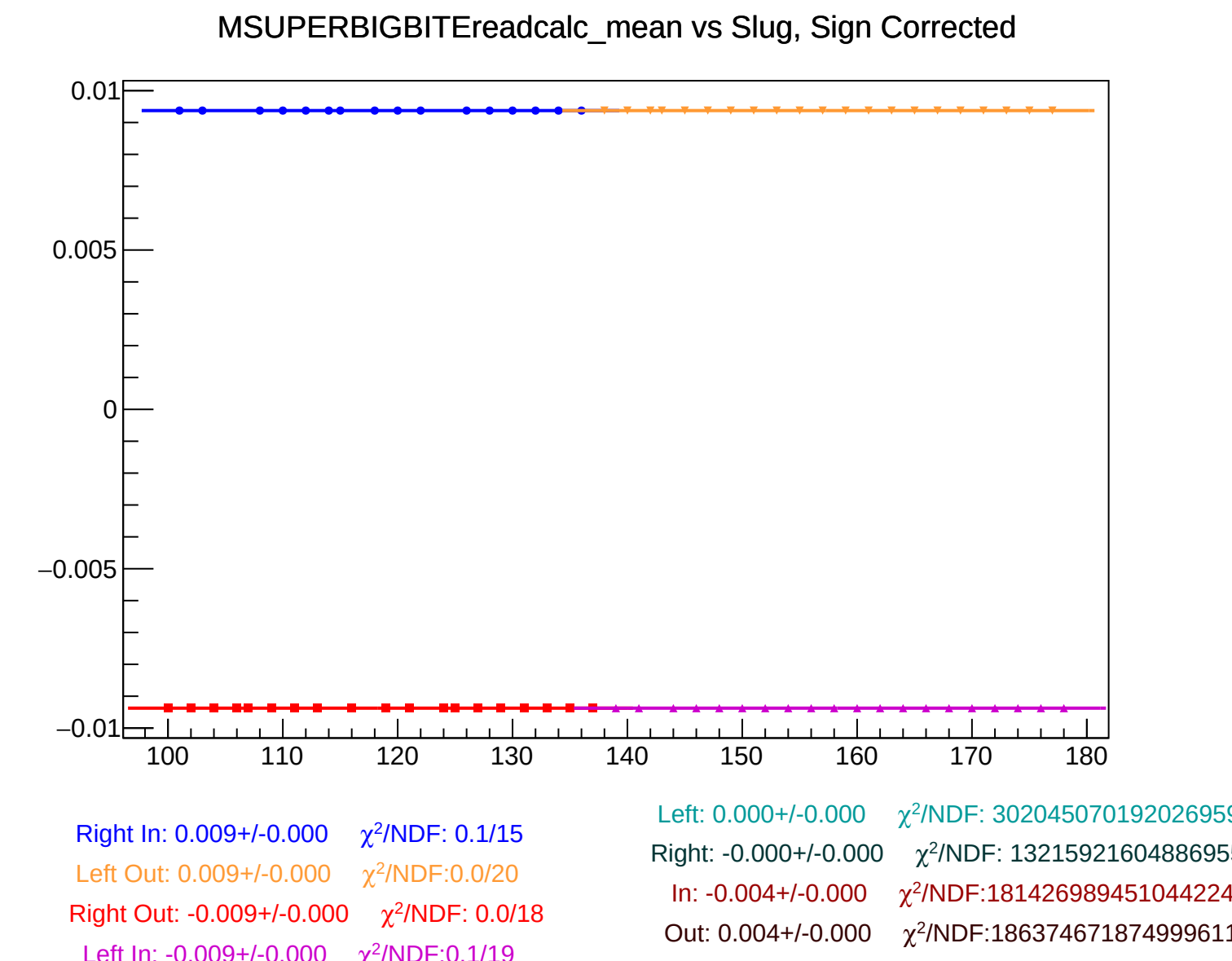
Left: 0.000+/-0.000 χ^2/NDF: 302045070192026959

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

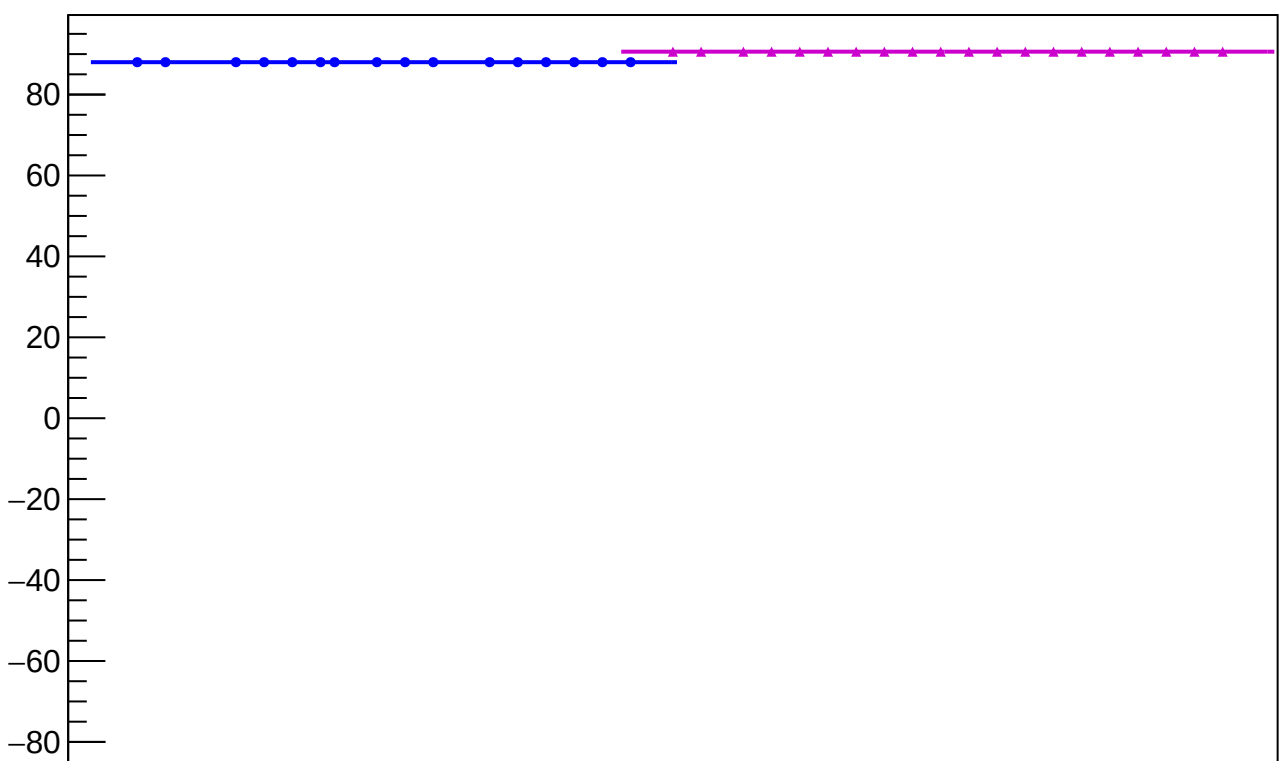
In: -0.004+/-0.000 χ^2/NDF:181426989451044224

Out: 0.004+/-0.000 χ^2/NDF:186374671874999611

All: 0.000+/-0.000 χ^2/NDF: 43426357581967


MSUPERBIGBITEreadcalc_mean vs Slug, Sign Corrected
0.01
0.005
0
−0.005
−0.01
100
110
120
130
140
150
160
170
180
Right In: 0.009+/-0.000 χ²/NDF: 0.1/15
Left Out: 0.009+/-0.000 χ²/NDF:0.0/20
Right Out: -0.009+/-0.000 χ²/NDF: 0.0/18
Left In: -0.009+/-0.000 χ²/NDF:0.1/19
Left: 0.000+/-0.000 χ²/NDF: 302045070192026959
Right: -0.000+/-0.000 χ²/NDF: 1321592160488695
In: -0.004+/-0.000 χ²/NDF:181426989451044224
Out: 0.004+/-0.000 χ²/NDF:186374671874999611
All: 0.000+/-0.000 χ²/NDF: 43426357581967

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:5802583.1/19

Left: -0.975+/-0.000 χ^2/NDF: 2820842598492193

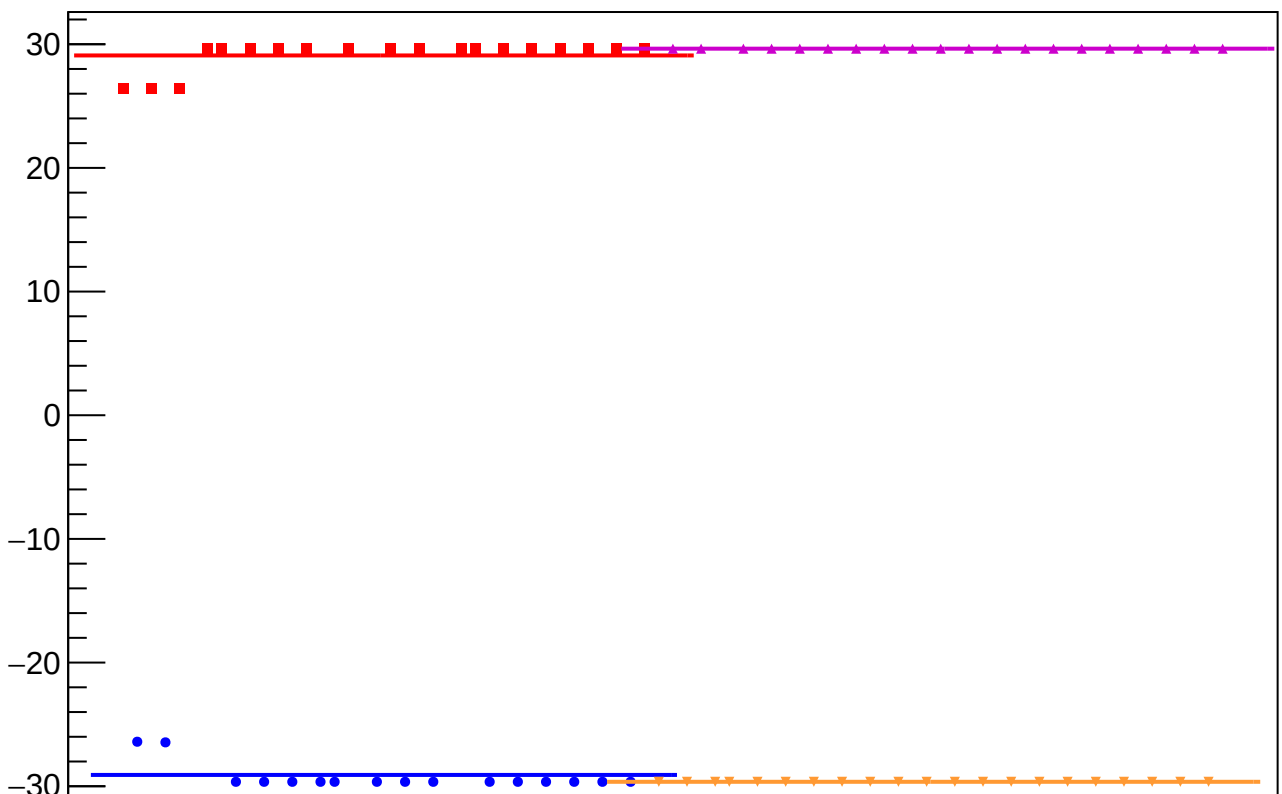
Right: -1.289+/-0.000 χ^2/NDF: 1164502782894649

In: 89.810+/-0.000 χ^2/NDF:348478612652792295

Out: -89.807+/-0.000 χ^2/NDF:3572447546180211

All: -1.071+/-0.000 χ^2/NDF: 3985355650257

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.085+/-0.000 χ^2/NDF: 109436788525160987735503641195315 2.0/15

Left Out: -29.641+/-0.000 χ^2/NDF:450887.6/20

Right Out: 29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977600 0.0/18

Left In: 29.641+/-0.000 χ^2/NDF:91015.6/19

Left: -0.319+/-0.000 χ^2/NDF: 30192995494477555

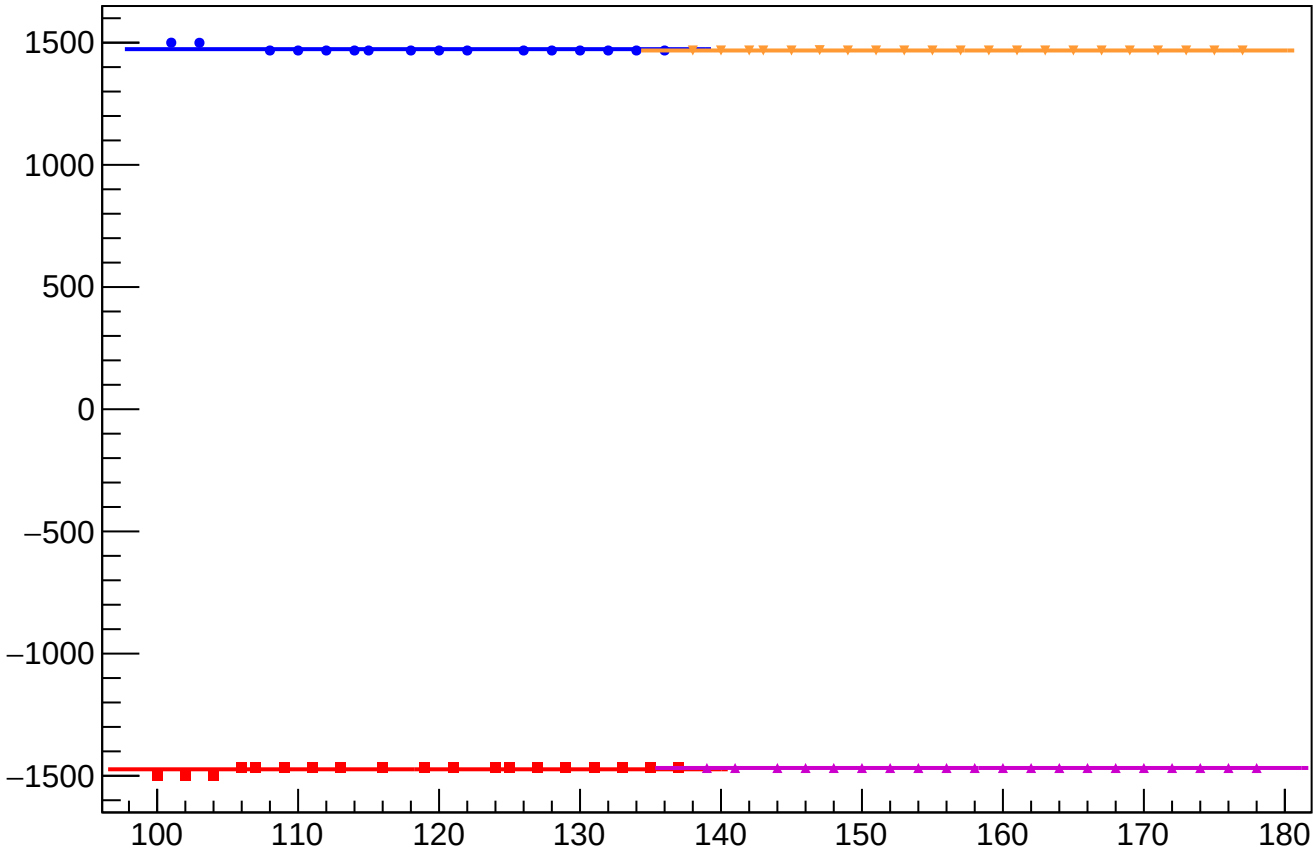
Right: 0.429+/-0.000 χ^2/NDF: 1274600752257835 8

In: 11.814+/-0.000 χ^2/NDF:178085546329225149

Out: -11.715+/-0.000 χ^2/NDF:1829890247113697

All: -0.091+/-0.000 χ^2/NDF: 4294486205637

psub_pl_pos_mean vs Slug, Sign Corrected



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:14796799996359818980443239219 2.0/19

Left: 15.837+/-0.000 χ^2/NDF: 74062202819551846

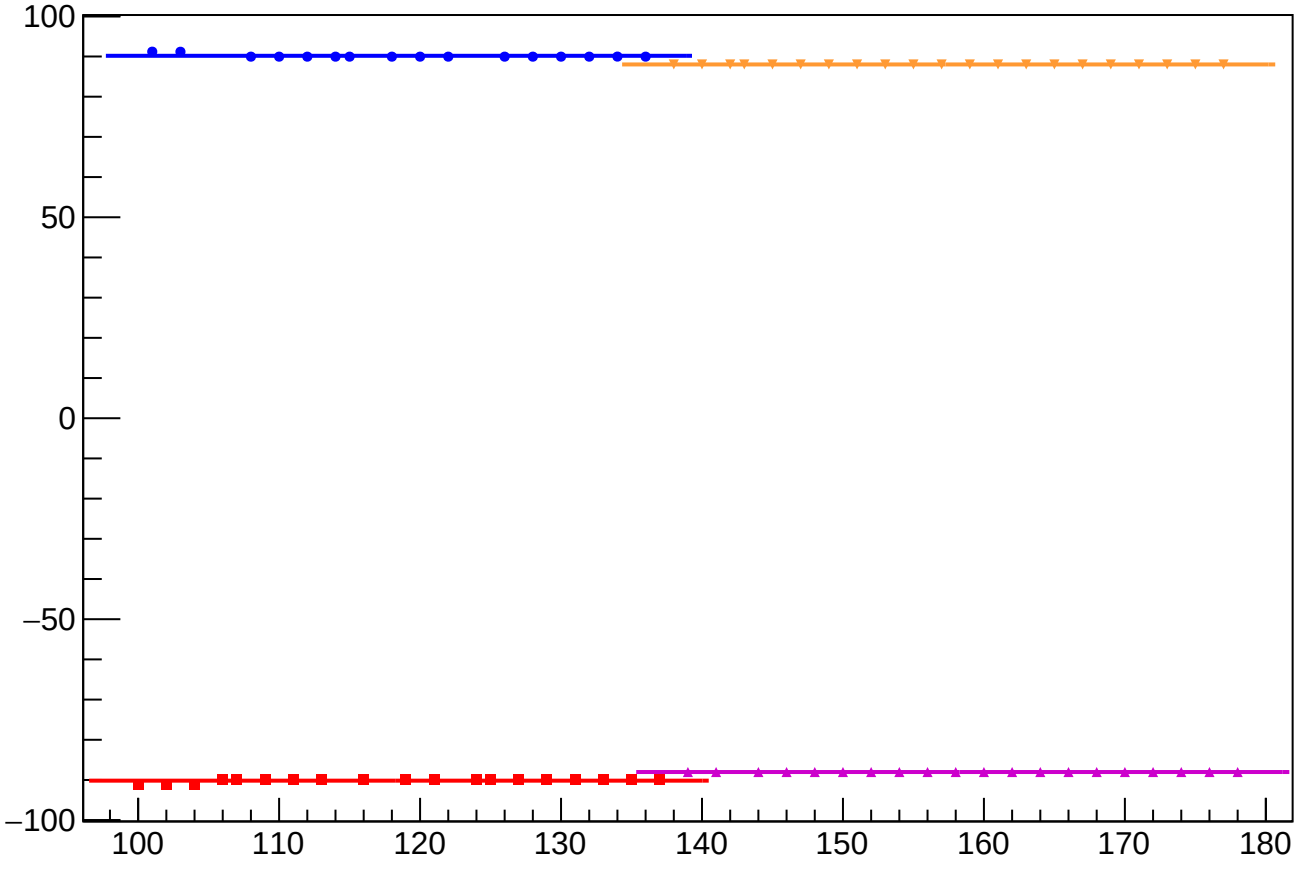
Right: -21.516+/-0.000 χ^2/NDF: 3264697385914600

In: -575.071+/-0.000 χ^2/NDF:4465146804054697

Out: 570.328+/-0.000 χ^2/NDF:4586889666051268

All: 4.467+/-0.000 χ^2/NDF: 1067237730898

Phi_FG_mean vs Slug, Sign Corrected



Right In: 90.173+/-0.000 χ^2/NDF: 160010492173064584437589858058240.0/15

Left Out: 88.021+/-0.000 χ^2/NDF:4193054.5/20

Right Out: -90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

Left In: -88.021+/-0.000 χ^2/NDF:5155136.6/19

Left: 0.948+/-0.000 χ^2/NDF: 266255670585337659

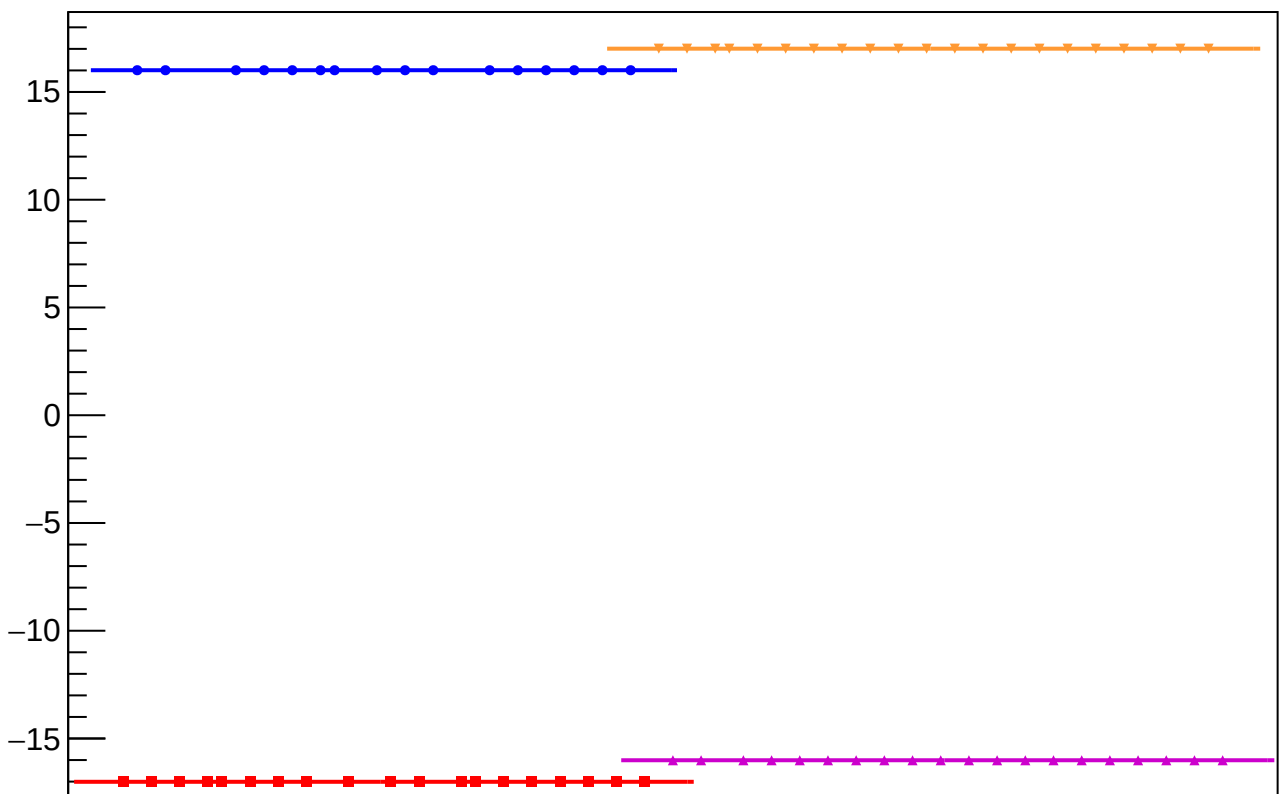
Right: -1.317+/-0.000 χ^2/NDF: 1222640469973926

In: -33.928+/-0.000 χ^2/NDF:16386534367644396

Out: 33.637+/-0.000 χ^2/NDF:1683269021492396

All: 0.258+/-0.000 χ^2/NDF: 38857337276501

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:12406643078675909364940 8.0/19

Left: 0.547+/-0.000 χ^2/NDF: 869178824325256329

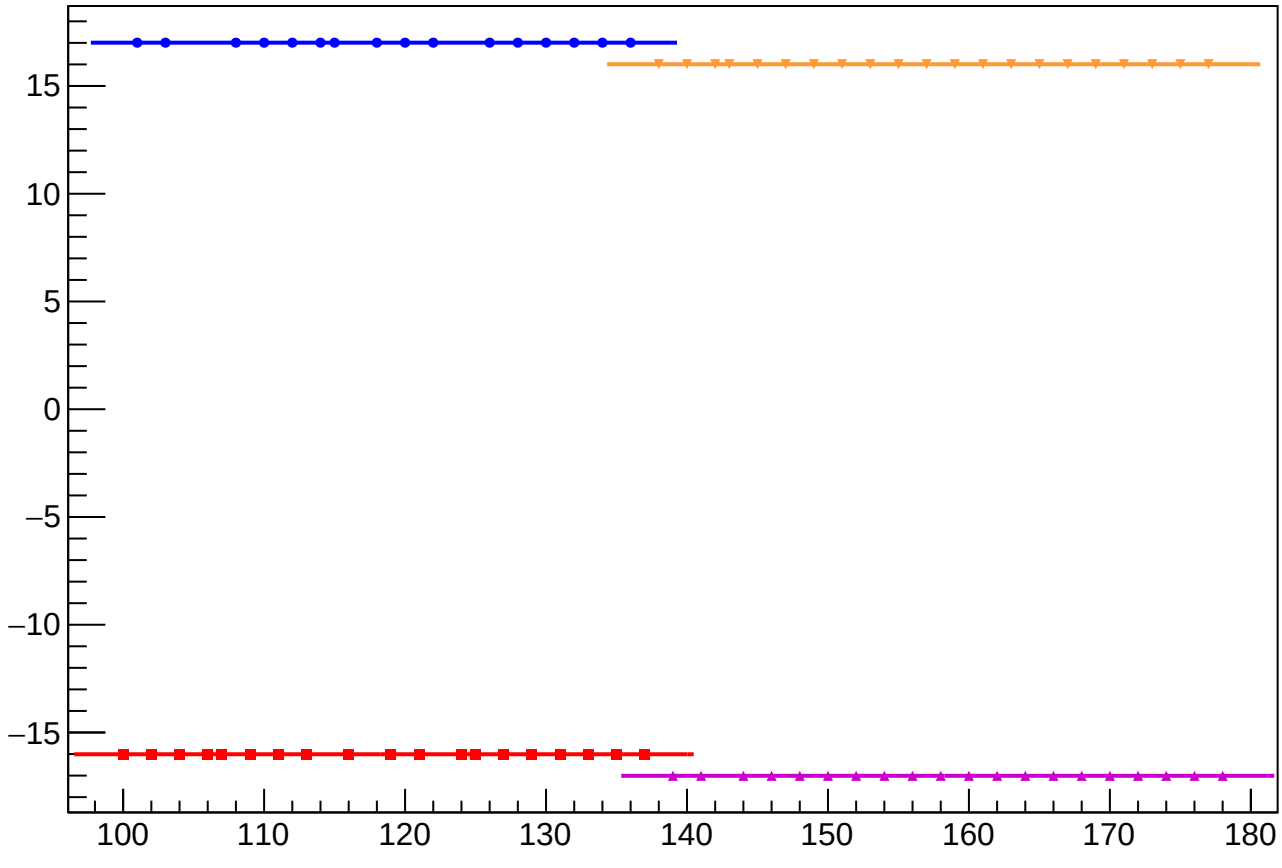
Right: -0.393+/-0.000 χ^2/NDF: 38020254772992161

In: -6.203+/-0.000 χ^2/NDF:499261774836411925

Out: 6.724+/-0.000 χ^2/NDF:559497875509217501

All: 0.260+/-0.000 χ^2/NDF: 1250238841493

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:1103851463925877880913920/19

Left: -0.265+/-0.000 χ^2/NDF: 91942940073417332

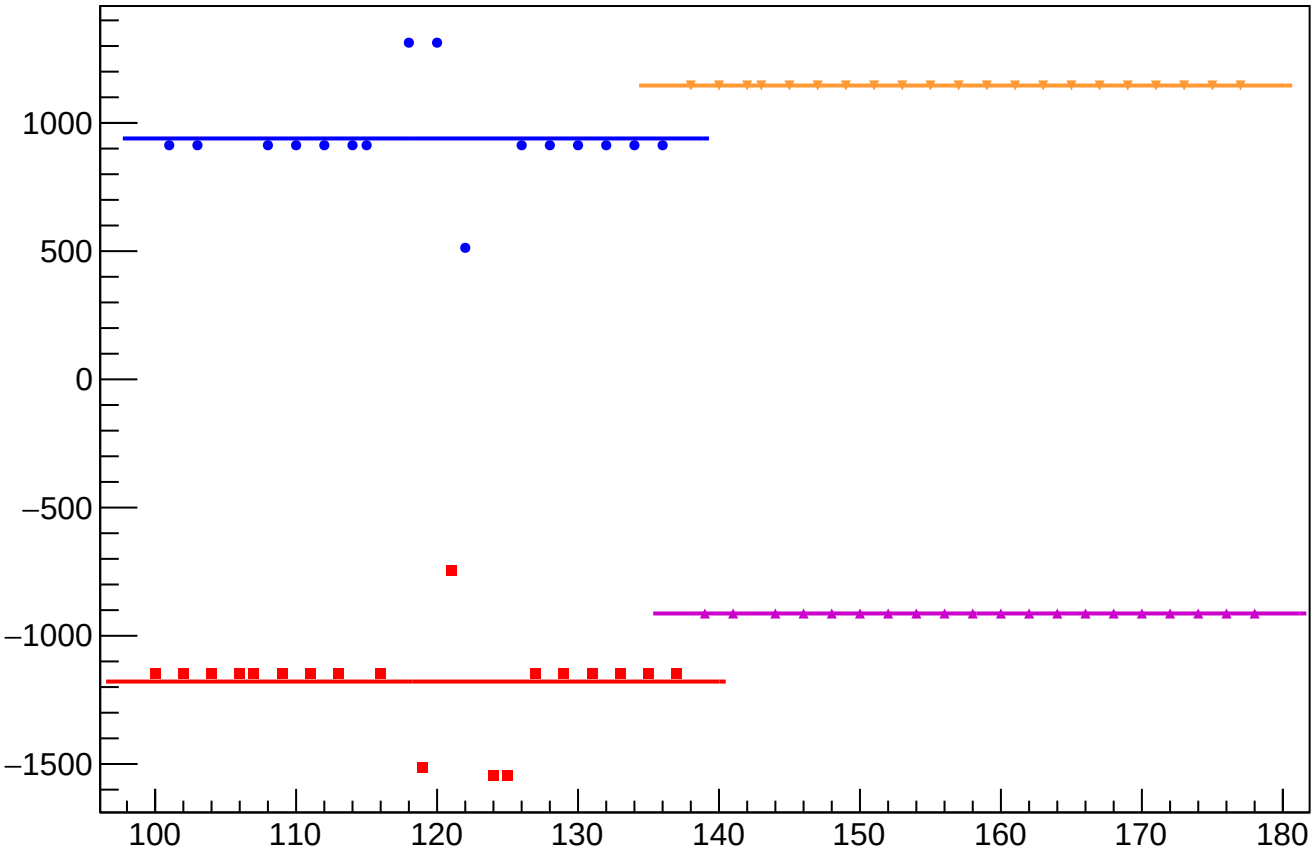
Right: -0.086+/-0.000 χ^2/NDF: 3990694435474134

In: -6.861+/-0.000 χ^2/NDF:574116425654581339

Out: 6.170+/-0.000 χ^2/NDF:539018385164490174

All: -0.211+/-0.000 χ^2/NDF: 1318531783415

RTPAPOSUCNT_mean vs Slug, Sign Corrected



Left: 127.591+/-0.000 χ^2/NDF: 3642372645567304

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:615027875223340293144811929 6.0/20

In: -350.660+/-0.000 χ^2/NDF:1791958746596915

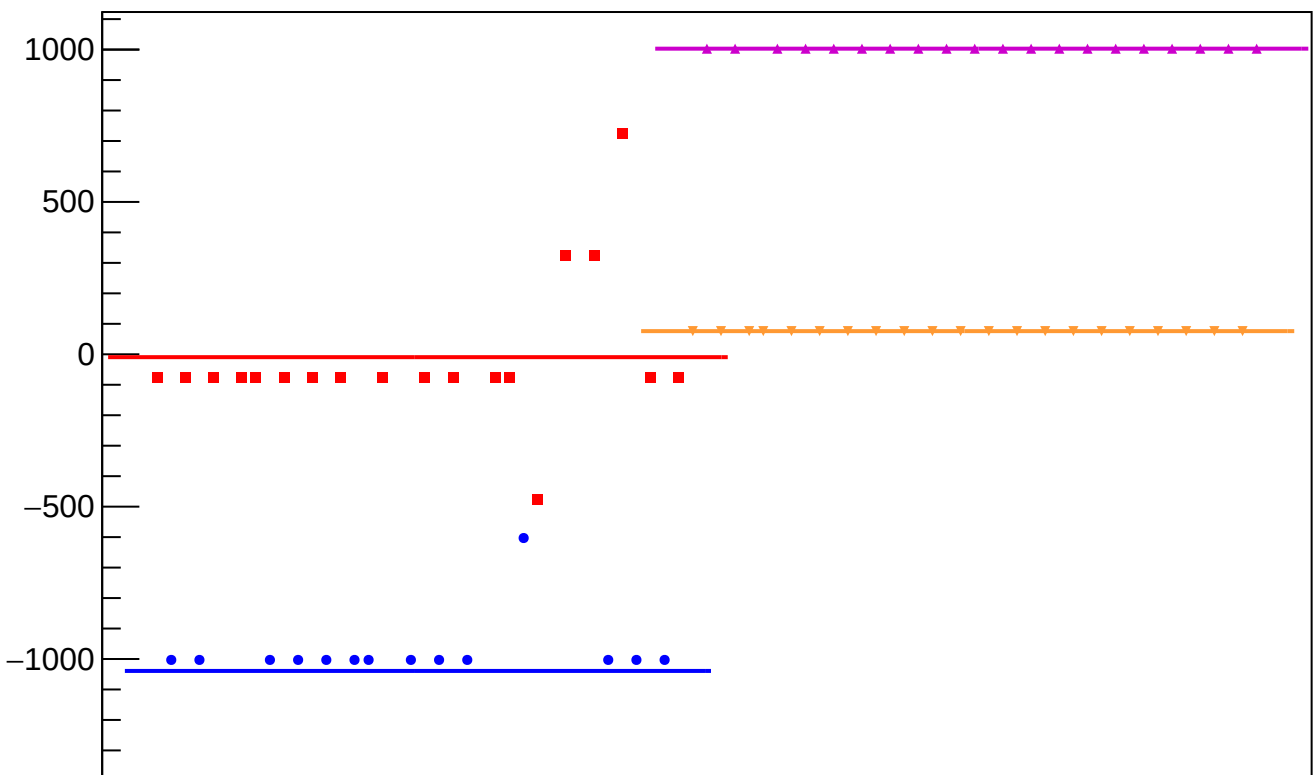
Right Out: -1178.513+/-0.000 χ^2/NDF: 22140259958123277565481106114837741568.0/18

Out: 436.566+/-0.000 χ^2/NDF:2886664069352793

Left In: -912.995+/-0.000 χ^2/NDF:22165098654270309326345207808.0/19

All: 47.653+/-0.000 χ^2/NDF: 5444029714123

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Left: 534.511+/-0.000 χ^2/NDF: 7382587147953609

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: 383.067+/-0.000 χ^2/NDF:21750230073816920

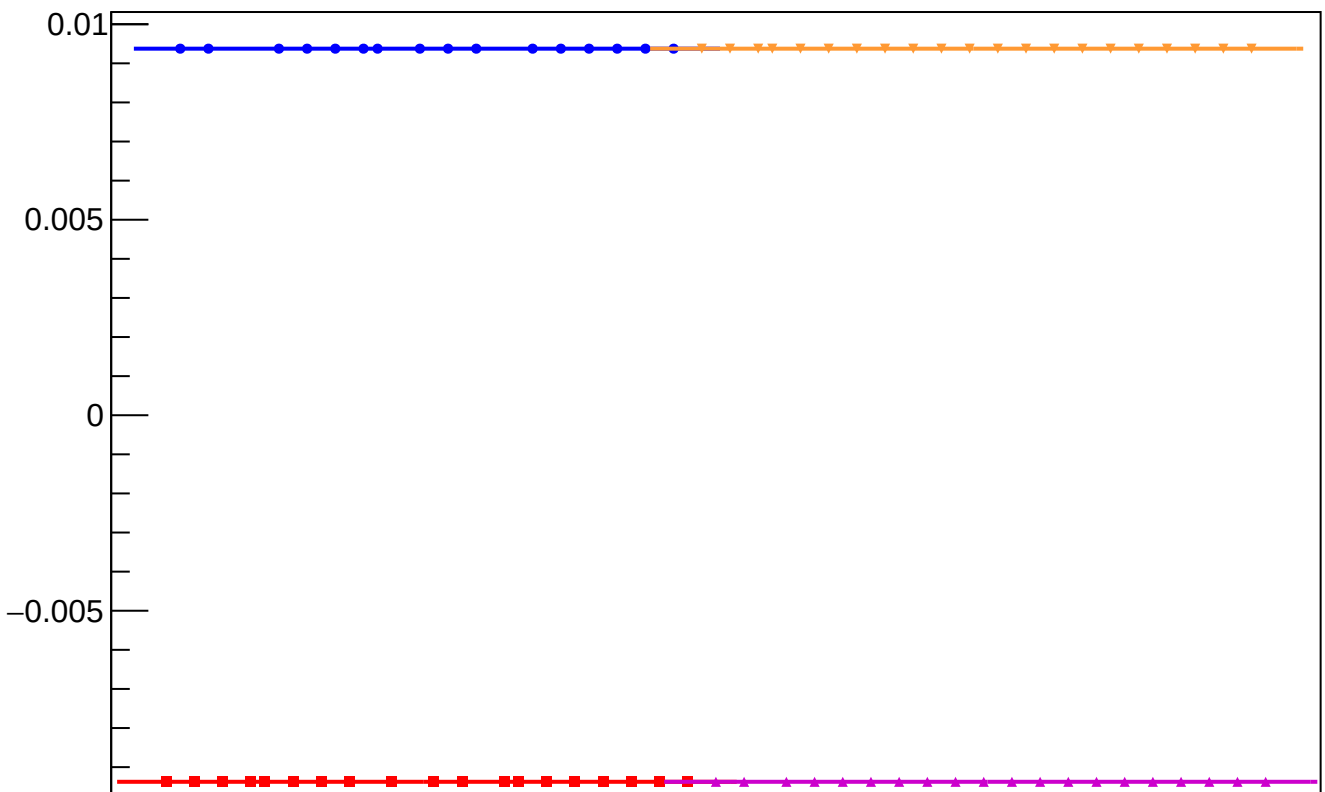
Right Out: -9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515 40992.0/18

Out: 49.935+/-0.000 χ^2/NDF:49927446510295644

Left In: 1002.990+/-0.000 χ^2/NDF:2645597397562468113015898112.0/19

All: 214.512+/-0.000 χ^2/NDF: 23620158191

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:0.1/19

Left: 0.000+/-0.000 χ^2/NDF: 302045070192026959

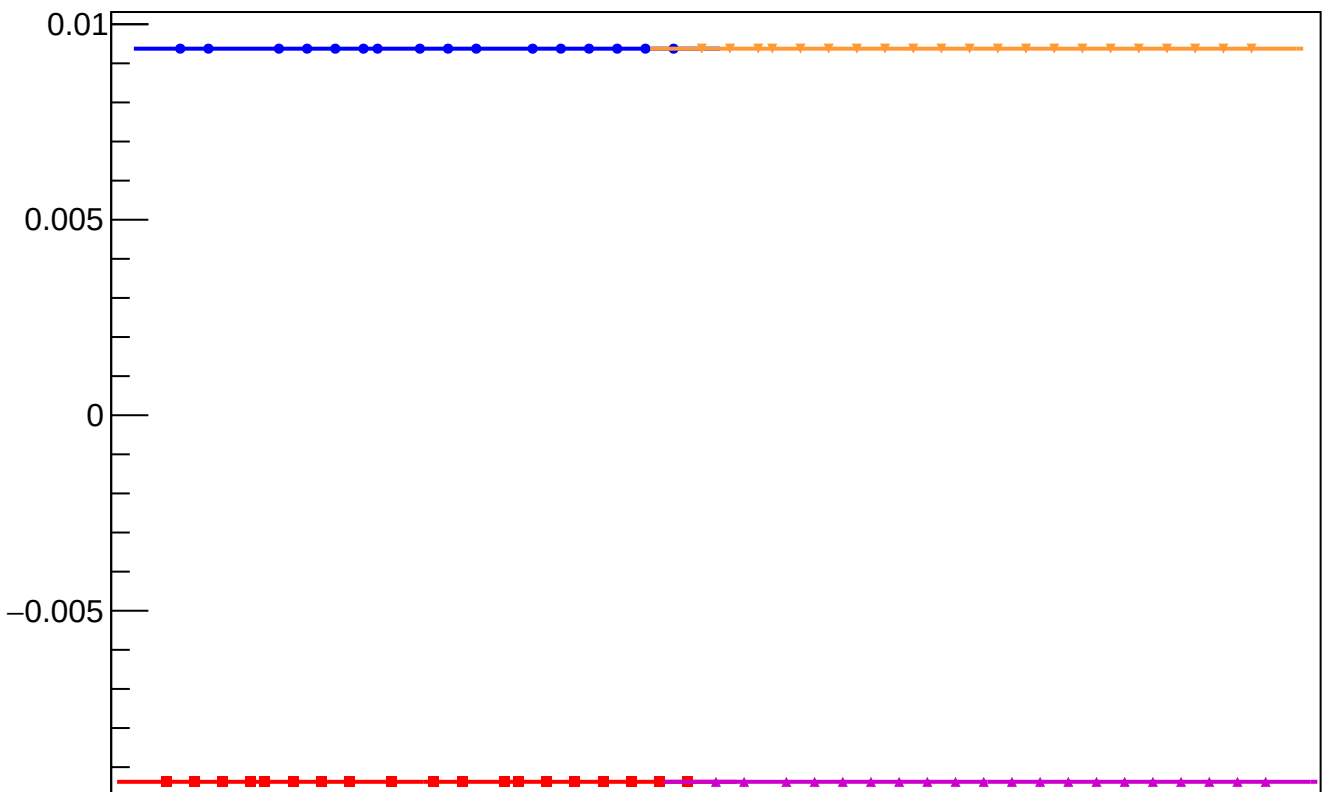
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.004+/-0.000 χ^2/NDF:181426989451044224

Out: 0.004+/-0.000 χ^2/NDF:186374671874999611

All: 0.000+/-0.000 χ^2/NDF: 43426357581967

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:0.1/19

Left: 0.000+/-0.000 χ^2/NDF: 302045070192026959

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.004+/-0.000 χ^2/NDF:181426989451044224

Out: 0.004+/-0.000 χ^2/NDF:186374671874999611

All: 0.000+/-0.000 χ^2/NDF: 43426357581967