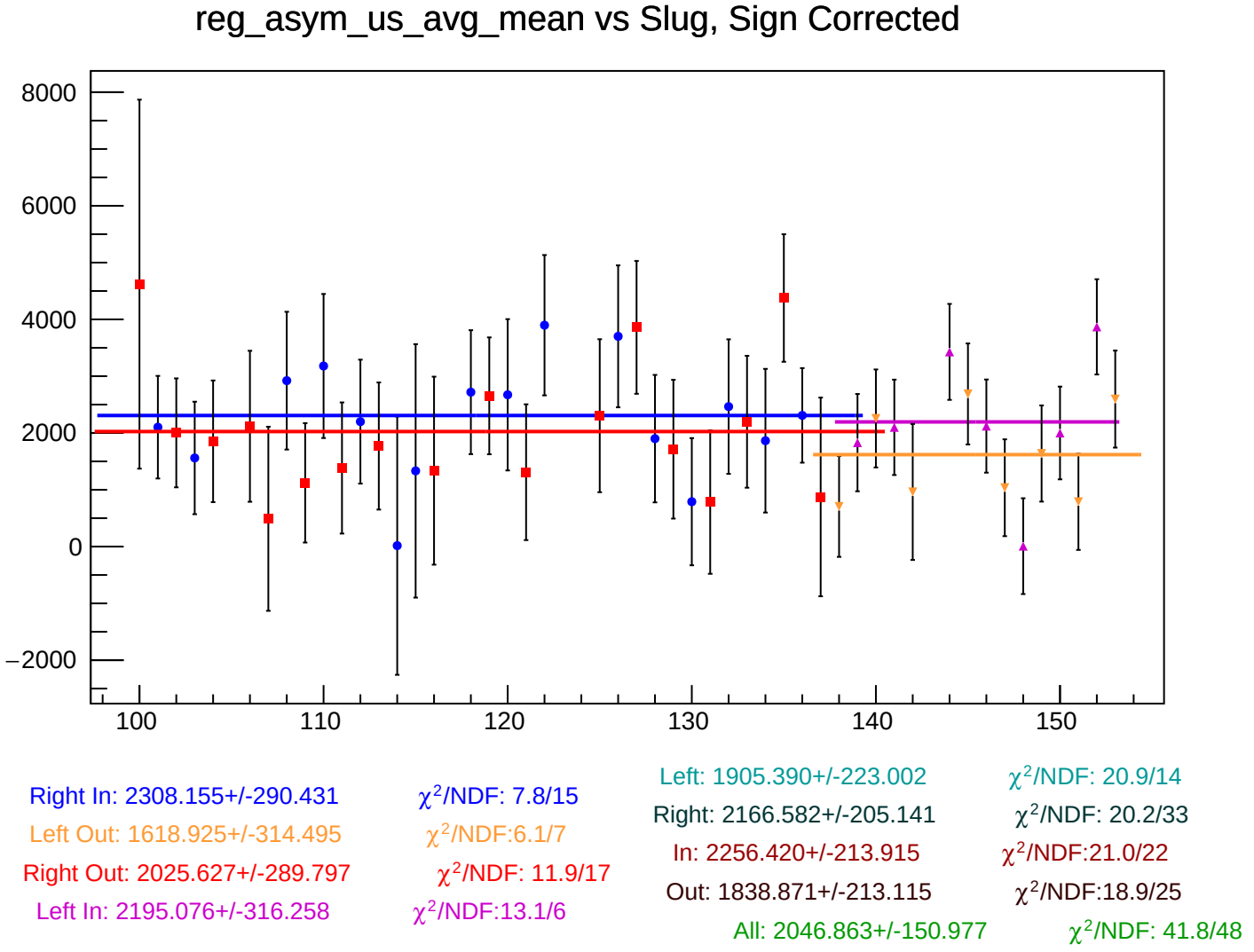
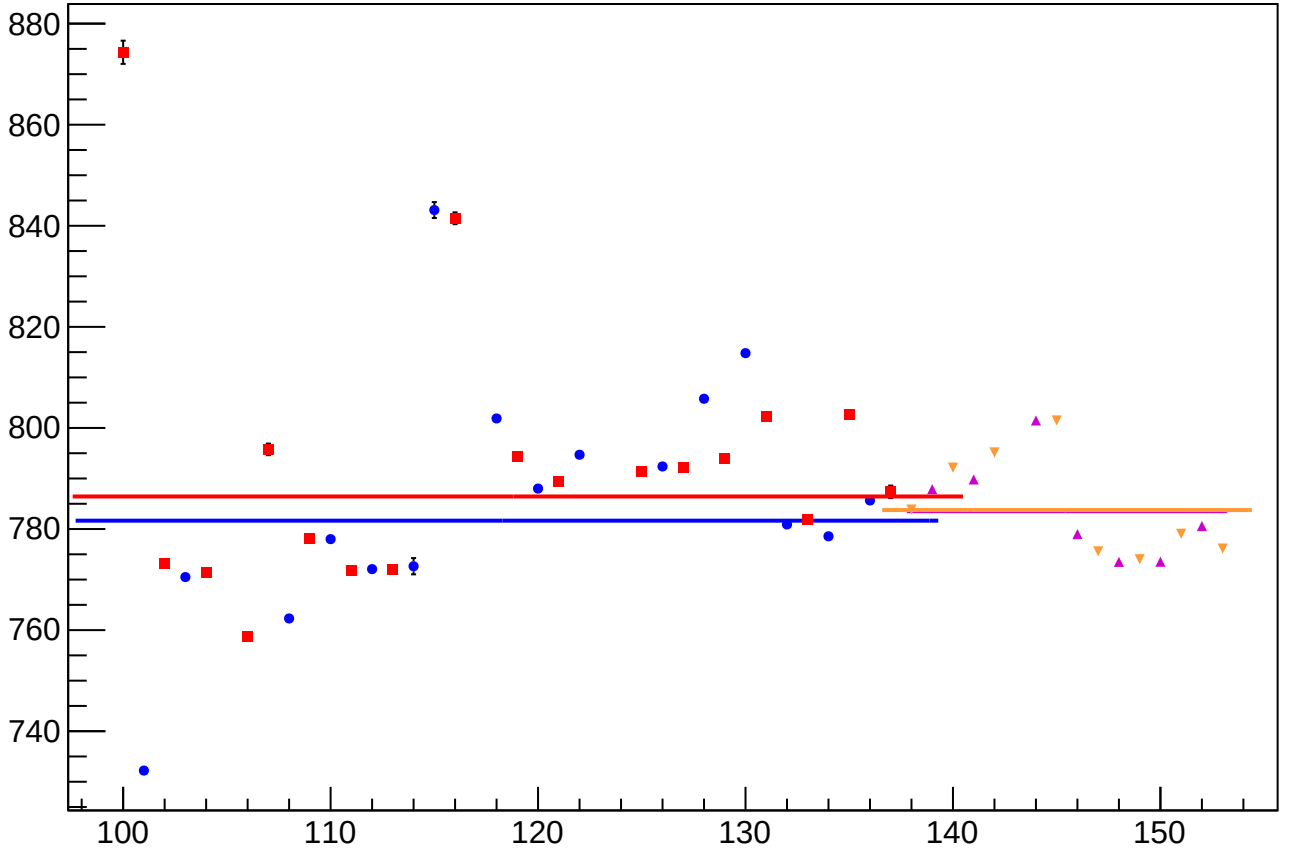

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
Right In: 2308.155+/-290.431
χ²/NDF: 7.8/15
Left Out: 1618.925+/-314.495
χ²/NDF:6.1/7
Right Out: 2025.627+/-289.797
χ²/NDF: 11.9/17
Left In: 2195.076+/-316.258
χ²/NDF:13.1/6
Left: 1905.390+/-223.002
χ²/NDF: 20.9/14
Right: 2166.582+/-205.141
χ²/NDF: 20.2/33
In: 2256.420+/-213.915
χ²/NDF:21.0/22
Out: 1838.871+/-213.115
χ²/NDF:18.9/25
All: 2046.863+/-150.977
χ²/NDF: 41.8/48

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 783.757+/-0.222 χ^2/NDF:1835.0/7

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

Left In: 783.533+/-0.224 χ^2/NDF:1734.6/6

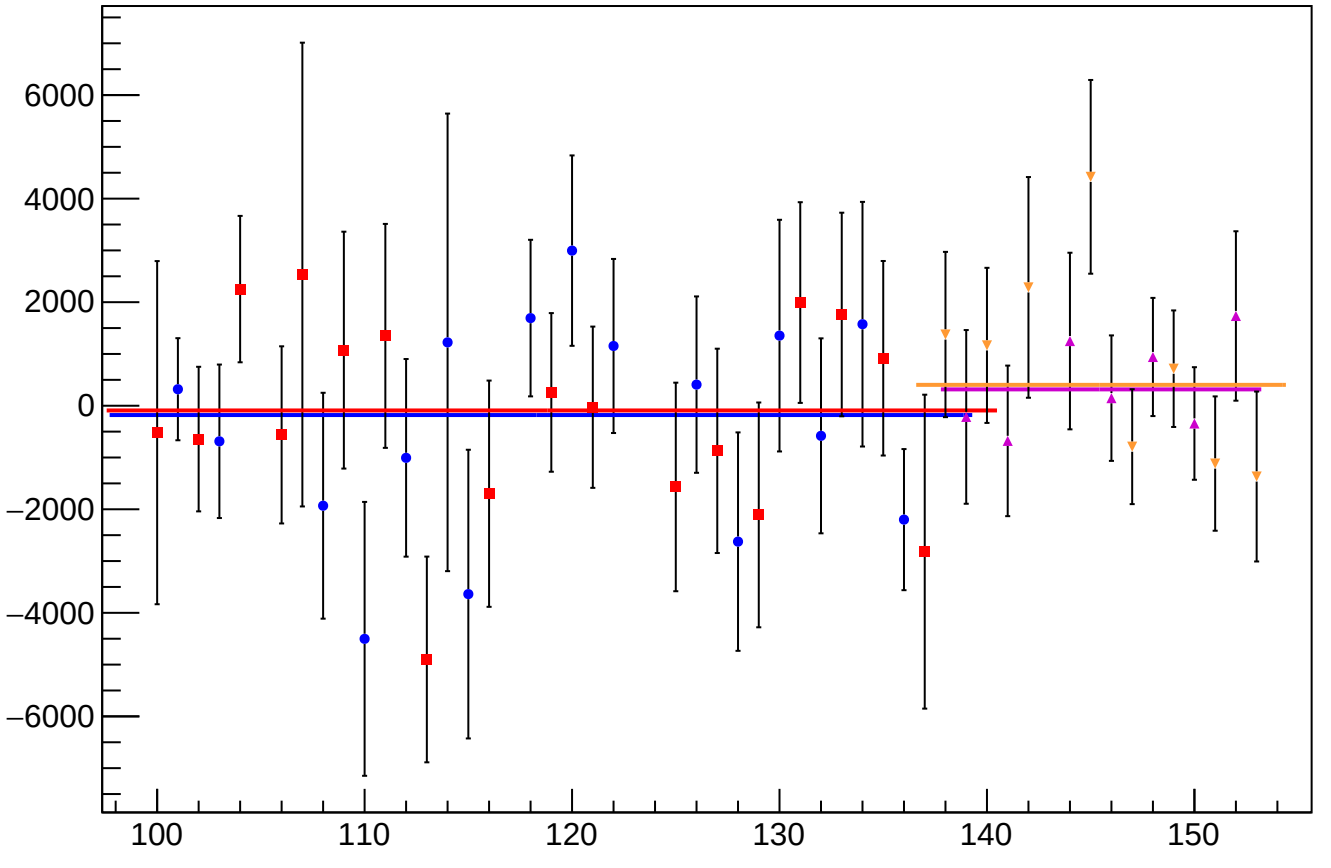
Left: 783.645+/-0.158 χ^2/NDF: 3570.2/14

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

In: 782.514+/-0.151 χ^2/NDF:14092.0/22

Out: 785.210+/-0.151 χ^2/NDF:9115.5/25

All: 783.867+/-0.107 χ^2/NDF: 23366.9/48



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

Left Out: 403.149+/-505.661 χ^2/NDF:9.8/7

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

Left In: 315.634+/-510.276 χ^2/NDF:2.3/6

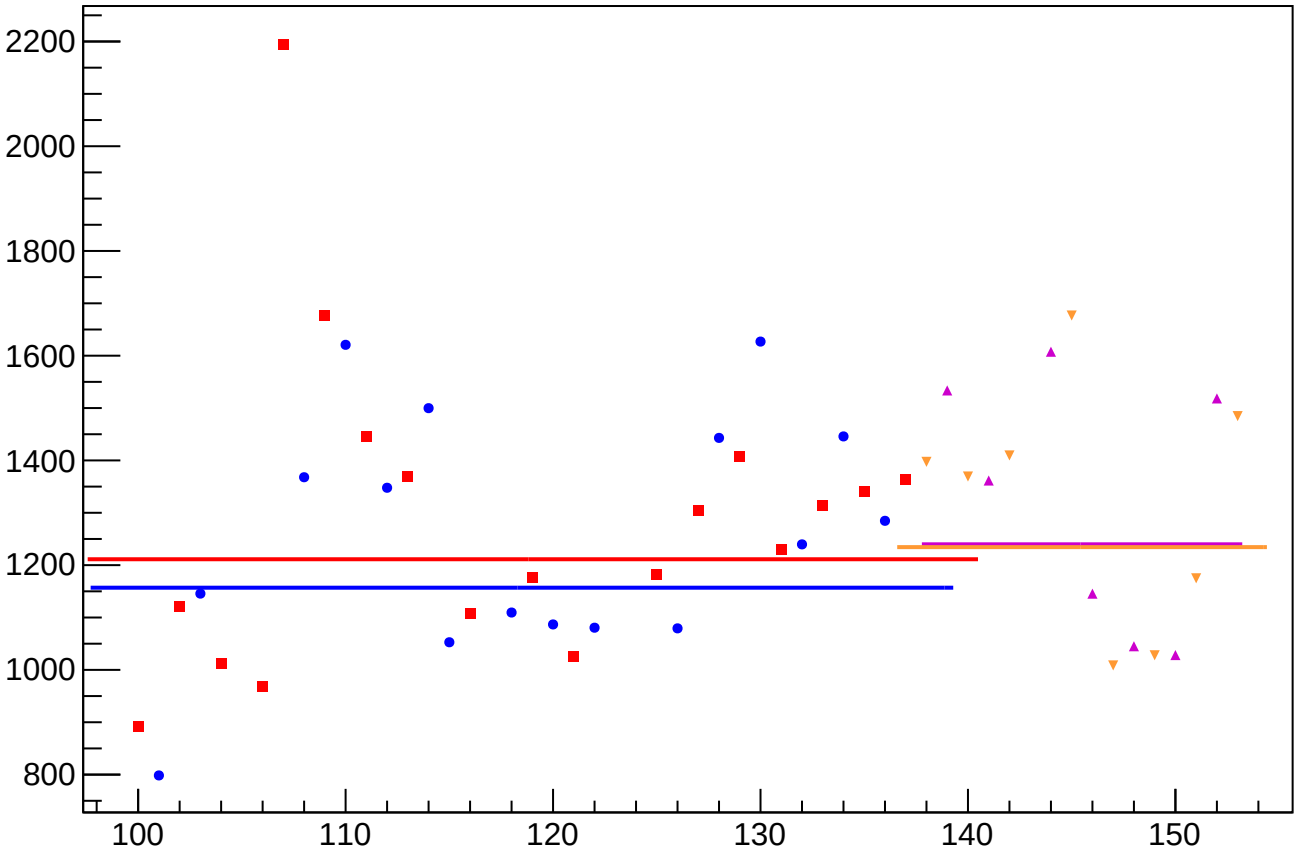
Left: 359.789+/-359.177 χ^2/NDF: 12.1/14

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

In: 31.828+/-333.561 χ^2/NDF:18.2/22

Out: 129.826+/-338.152 χ^2/NDF:25.5/25

All: 80.157+/-237.470 χ^2/NDF: 43.8/48



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

Left Out: 1234.411+/-0.358 χ^2/NDF:363228.0/7

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

Left In: 1239.780+/-0.361 χ^2/NDF:372376.8/6

Left: 1237.072+/-0.254 χ^2/NDF: 735716.6/14

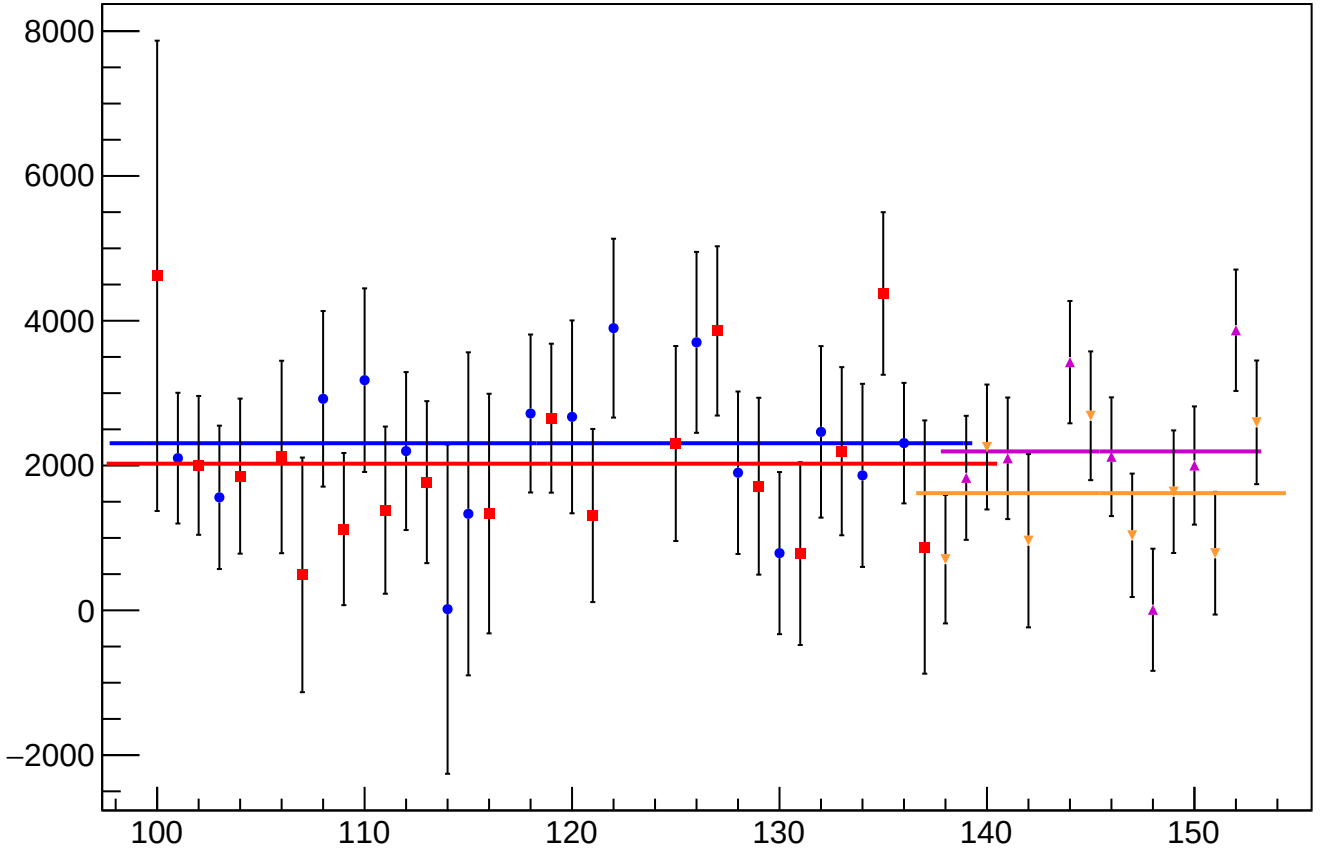
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1192.343+/-0.236 χ^2/NDF:971678.2/22

Out: 1221.616+/-0.239 χ^2/NDF:763259.3/25

All: 1206.779+/-0.168 χ^2/NDF: 1742533.7/48

cor_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1618.925+/-314.495 χ^2/NDF:6.1/7

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

Left In: 2195.076+/-316.258 χ^2/NDF:13.1/6

Left: 1905.390+/-223.002 χ^2/NDF: 20.9/14

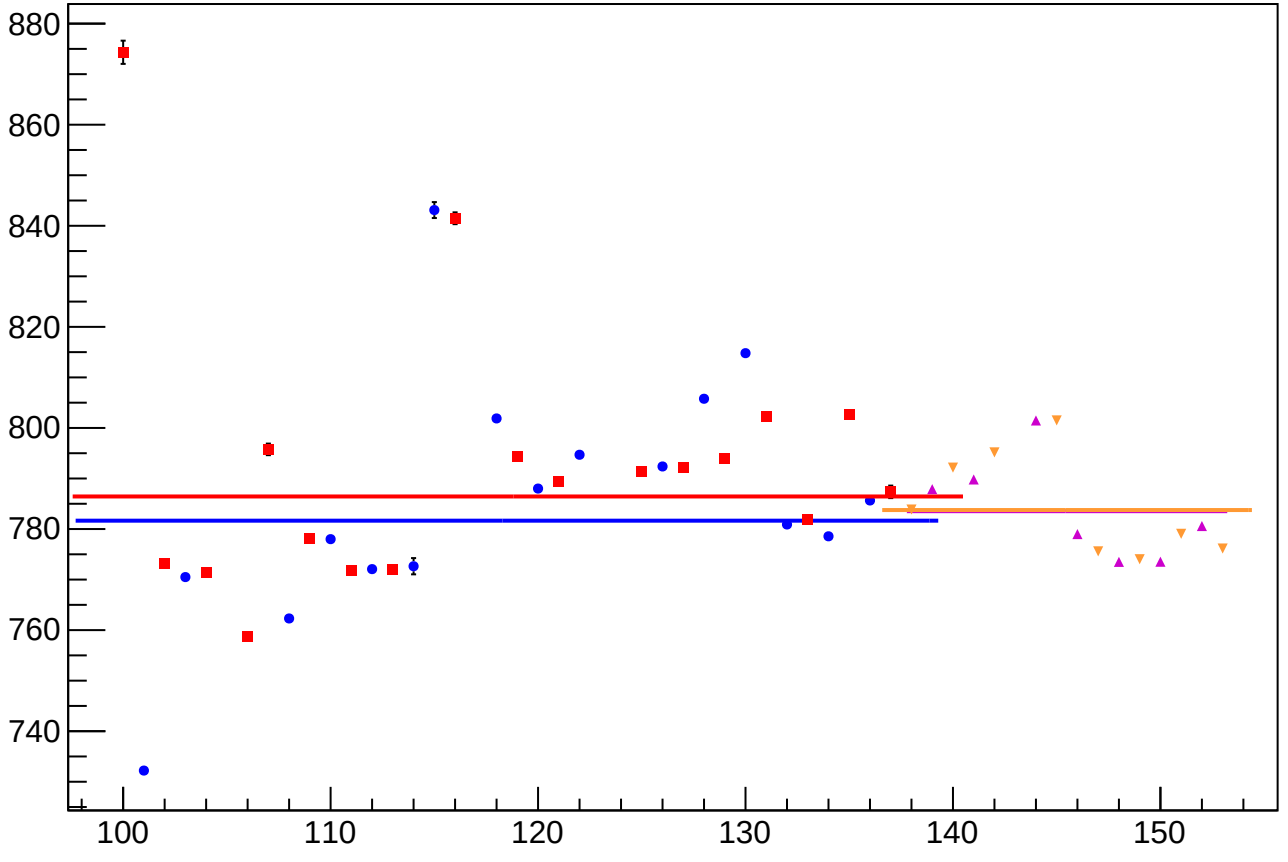
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2256.420+/-213.915 χ^2/NDF:21.0/22

Out: 1838.871+/-213.115 χ^2/NDF:18.9/25

All: 2046.863+/-150.977 χ^2/NDF: 41.8/48

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 783.757+/-0.222 χ^2/NDF:1835.0/7

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

Left In: 783.533+/-0.224 χ^2/NDF:1734.6/6

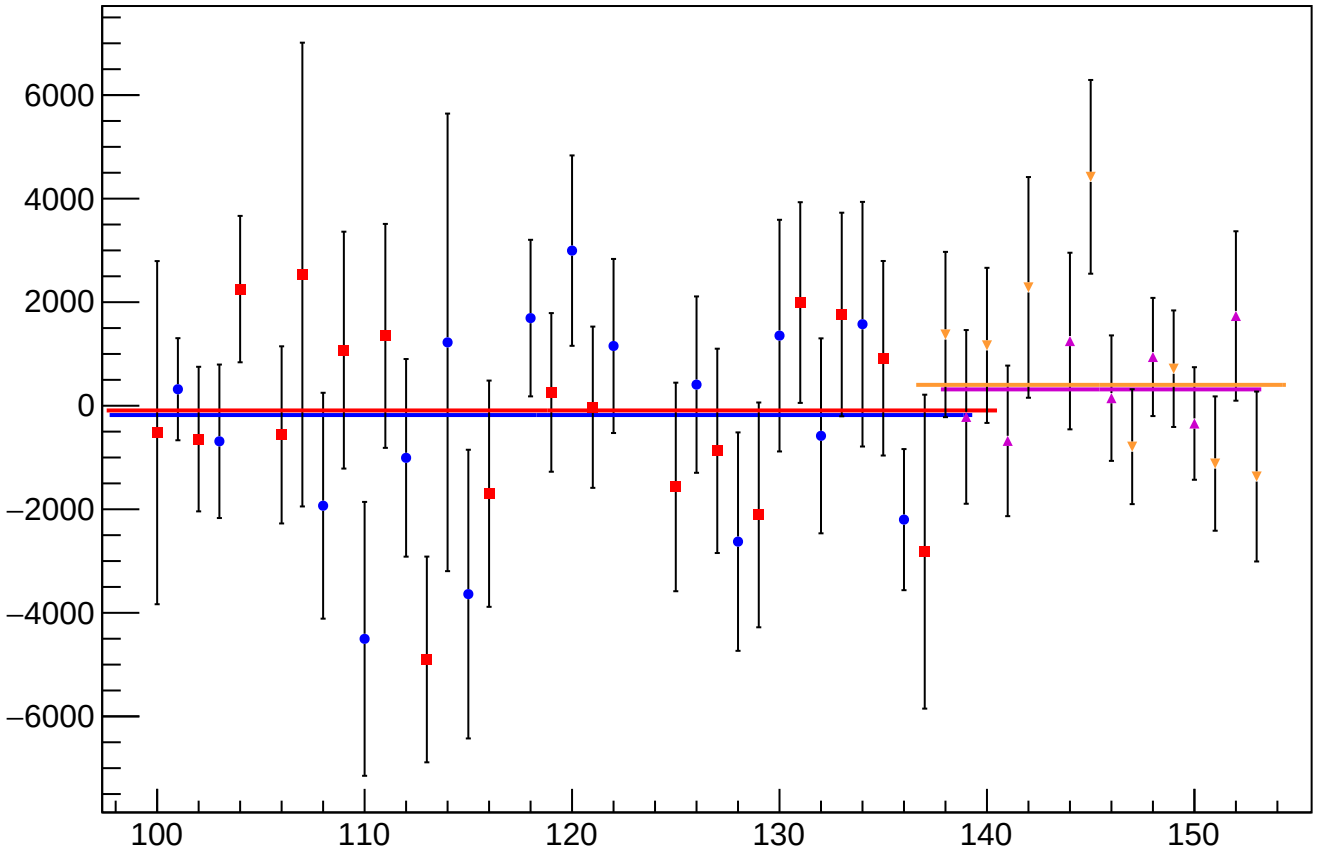
Left: 783.645+/-0.158 χ^2/NDF: 3570.2/14

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

In: 782.514+/-0.151 χ^2/NDF:14092.0/22

Out: 785.210+/-0.151 χ^2/NDF:9115.5/25

All: 783.867+/-0.107 χ^2/NDF: 23366.9/48



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

Left Out: 403.149+/-505.661 χ^2/NDF:9.8/7

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

Left In: 315.634+/-510.276 χ^2/NDF:2.3/6

Left: 359.789+/-359.177 χ^2/NDF: 12.1/14

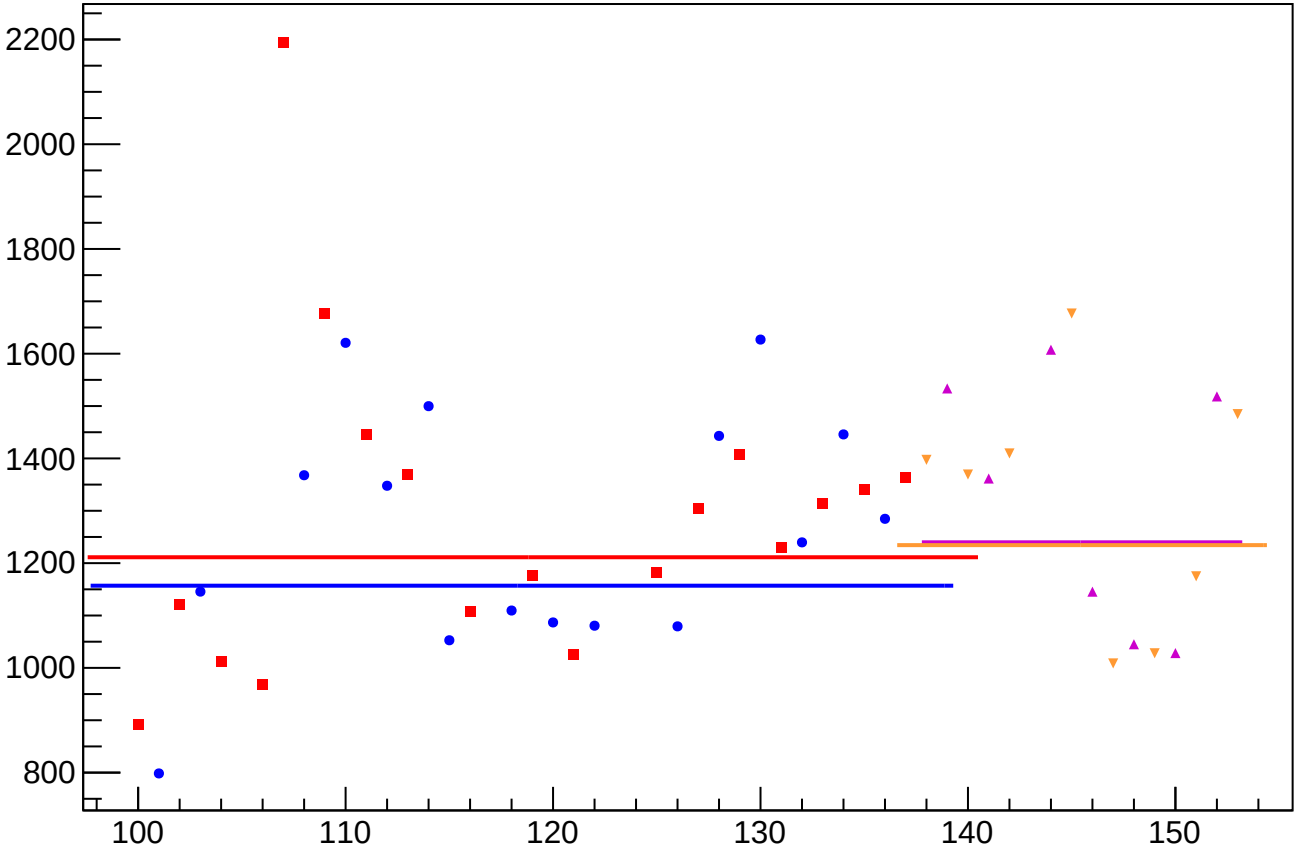
Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: 31.828+/-333.561 χ^2/NDF:18.2/22

Out: 129.826+/-338.152 χ^2/NDF:25.5/25

All: 80.157+/-237.470 χ^2/NDF: 43.8/48

asym_us_avg_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1234.411+/-0.358 χ^2/NDF:363228.0/7

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

Left In: 1239.780+/-0.361 χ^2/NDF:372376.8/6

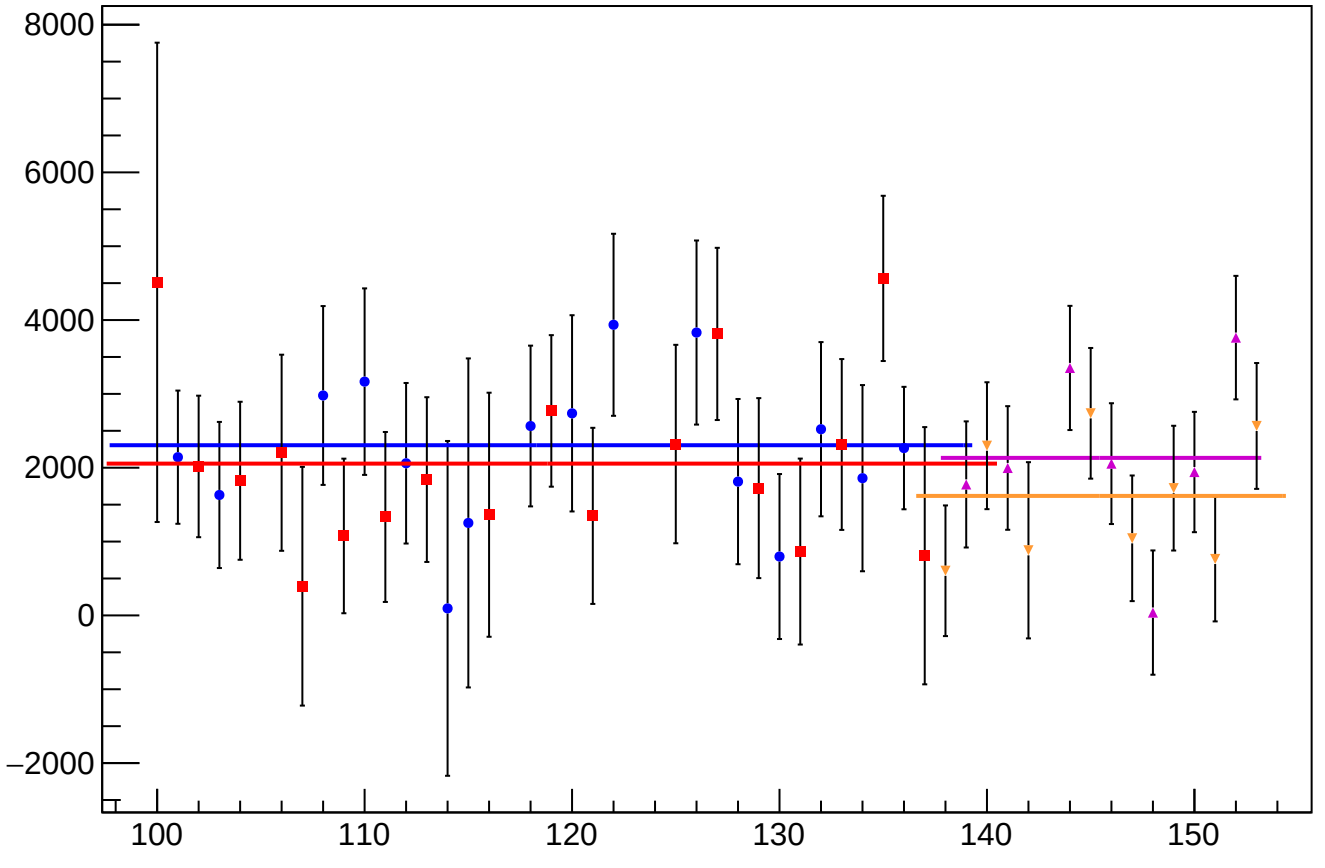
Left: 1237.072+/-0.254 χ^2/NDF: 735716.6/14

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

In: 1192.343+/-0.236 χ^2/NDF:971678.2/22

Out: 1221.616+/-0.239 χ^2/NDF:763259.3/25

All: 1206.779+/-0.168 χ^2/NDF: 1742533.7/48



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

Left Out: 1618.380+/-313.585 χ^2/NDF:6.6/7

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

Left In: 2133.339+/-315.379 χ^2/NDF:12.4/6

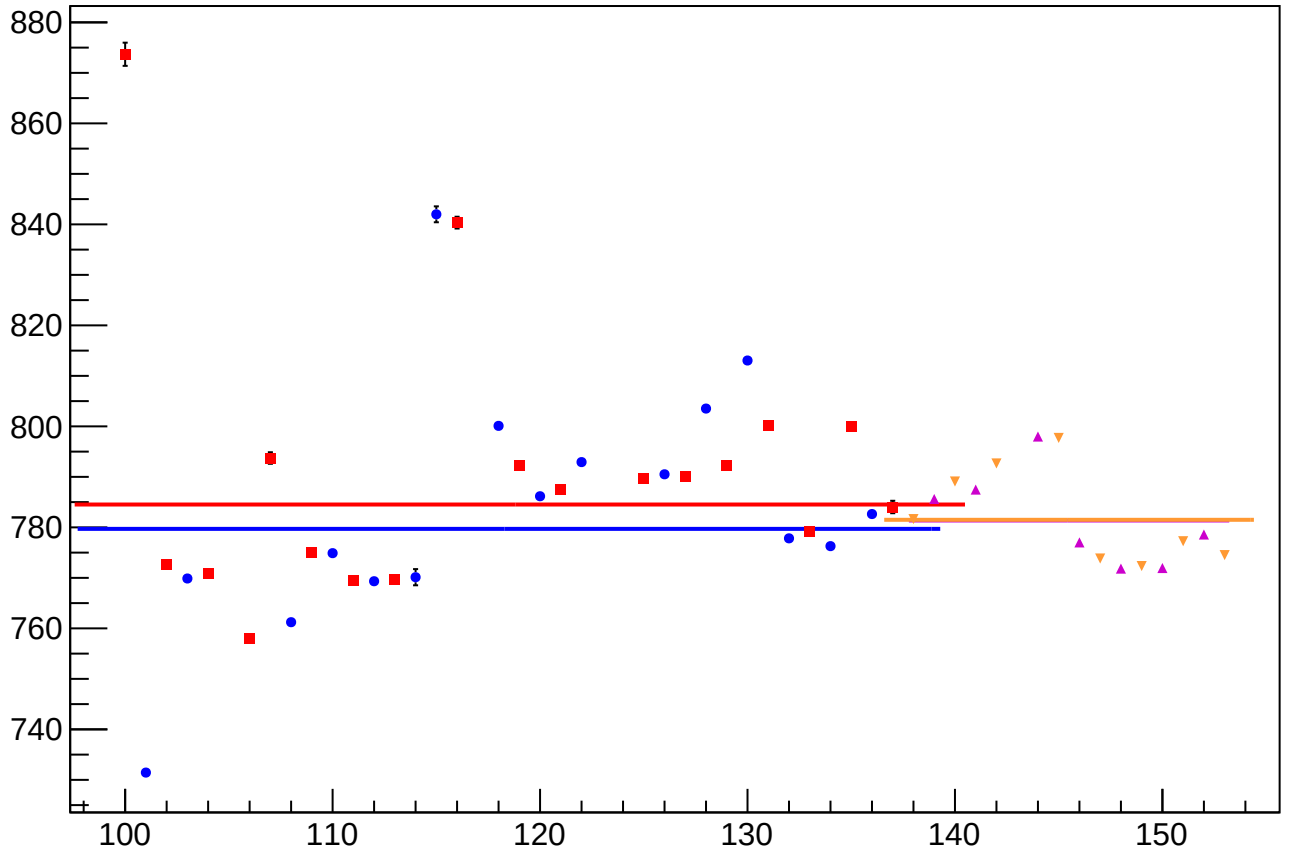
Left: 1874.391+/-222.369 χ^2/NDF: 20.3/14

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

In: 2226.360+/-213.352 χ^2/NDF:20.6/22

Out: 1854.767+/-212.550 χ^2/NDF:20.6/25

All: 2039.864+/-150.578 χ^2/NDF: 42.7/48



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

Left Out: 781.498+/-0.222 χ^2/NDF:1584.7/7

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

Left In: 781.363+/-0.223 χ^2/NDF:1539.7/6

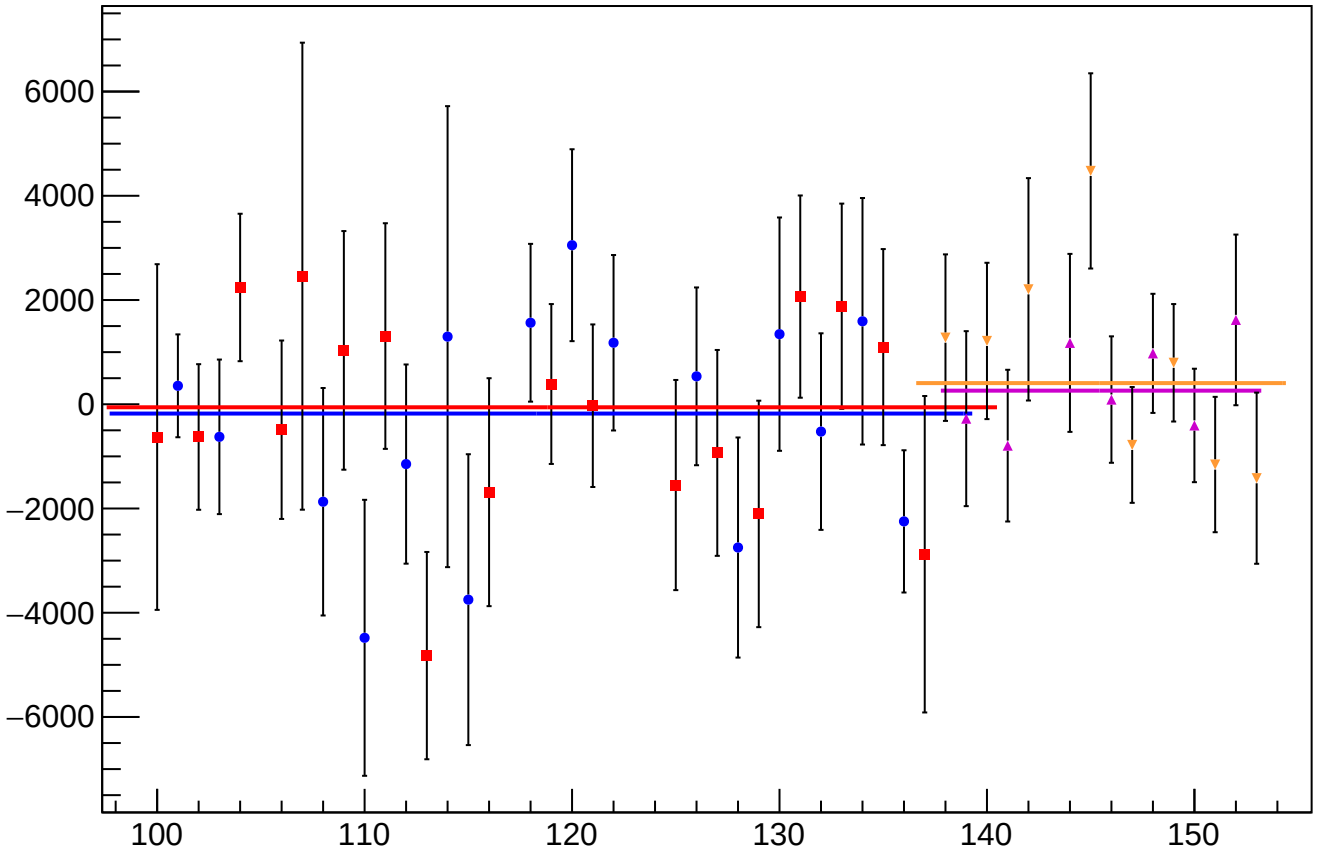
Left: 781.431+/-0.157 χ^2/NDF: 3124.7/14

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

In: 780.462+/-0.151 χ^2/NDF:13630.0/22

Out: 783.134+/-0.150 χ^2/NDF:8845.5/25

All: 781.803+/-0.106 χ^2/NDF: 22633.0/48



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

Left Out: 405.993+/-506.225 χ^2/NDF:10.0/7

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

Left In: 261.095+/-510.809 χ^2/NDF:2.4/6

Left: 334.197+/-359.565 χ^2/NDF: 12.4/14

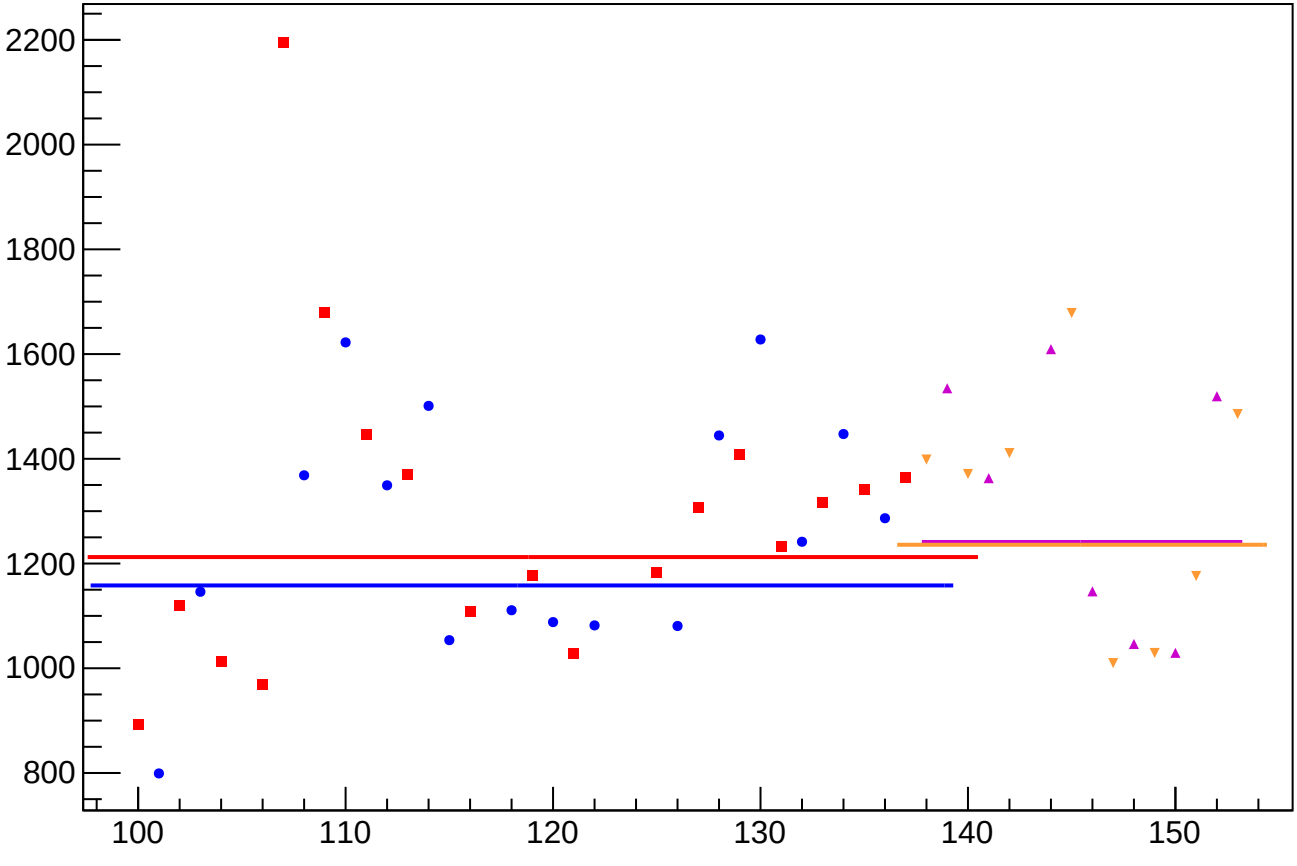
Right: -120.128+/-316.821 χ^2/NDF: 31.0/33

In: 9.359+/-333.903 χ^2/NDF:18.5/22

Out: 149.426+/-338.488 χ^2/NDF:25.7/25

All: 78.438+/-237.710 χ^2/NDF: 44.3/48

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: 1235.841+/-0.358 χ^2/NDF:362585.0/7

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

Left In: 1241.114+/-0.361 χ^2/NDF:371823.4/6

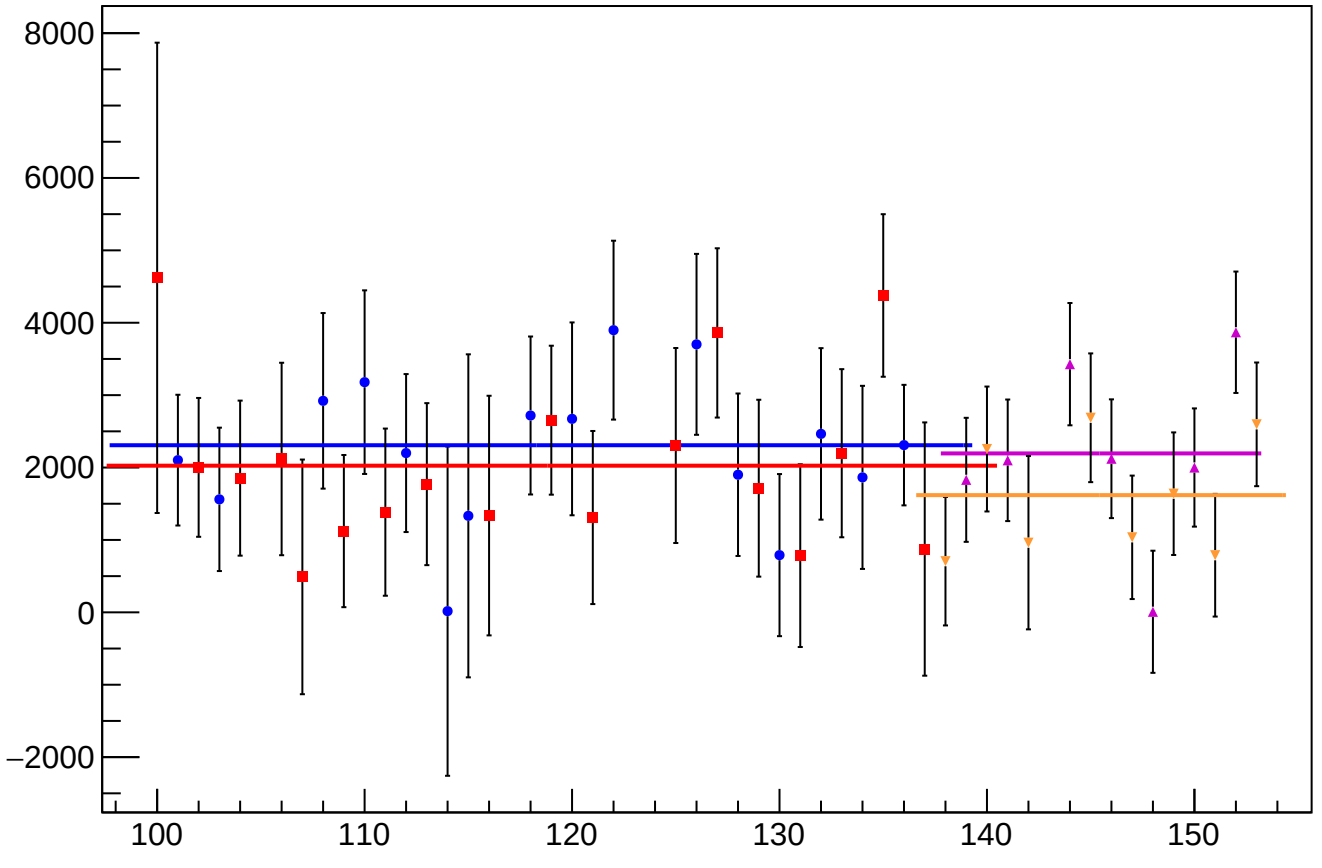
Left: 1238.454+/-0.254 χ^2/NDF: 734516.0/14

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

In: 1193.590+/-0.236 χ^2/NDF:971195.7/22

Out: 1222.851+/-0.239 χ^2/NDF:762905.0/25

All: 1208.021+/-0.168 χ^2/NDF: 1741675.1/48



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

Left Out: 1618.925+/-314.495 χ^2/NDF:6.1/7

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

Left In: 2195.076+/-316.258 χ^2/NDF:13.1/6

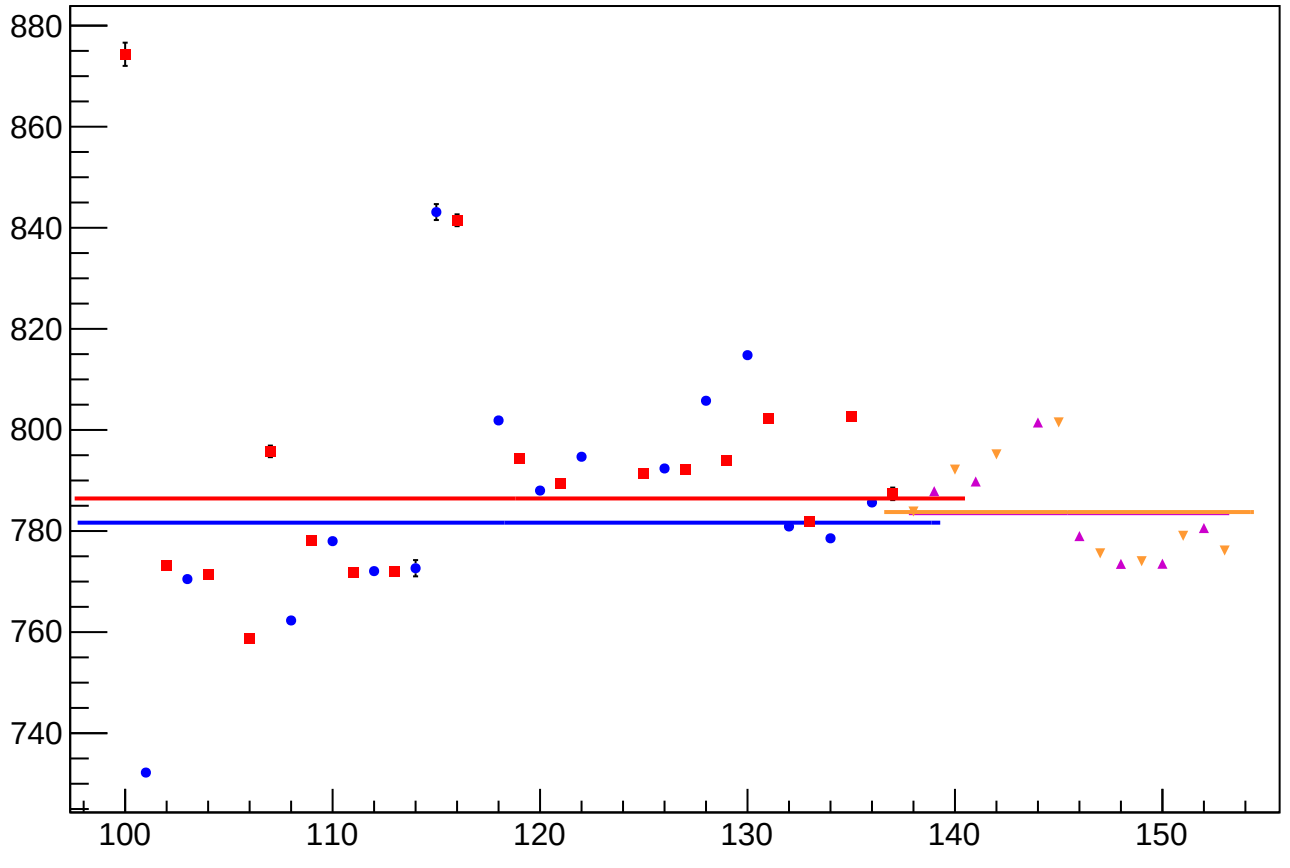
Left: 1905.390+/-223.002 χ^2/NDF: 20.9/14

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

In: 2256.420+/-213.915 χ^2/NDF:21.0/22

Out: 1838.871+/-213.115 χ^2/NDF:18.9/25

All: 2046.863+/-150.977 χ^2/NDF: 41.8/48



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

Left Out: 783.757+/-0.222 χ^2/NDF:1835.0/7

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

Left In: 783.533+/-0.224 χ^2/NDF:1734.6/6

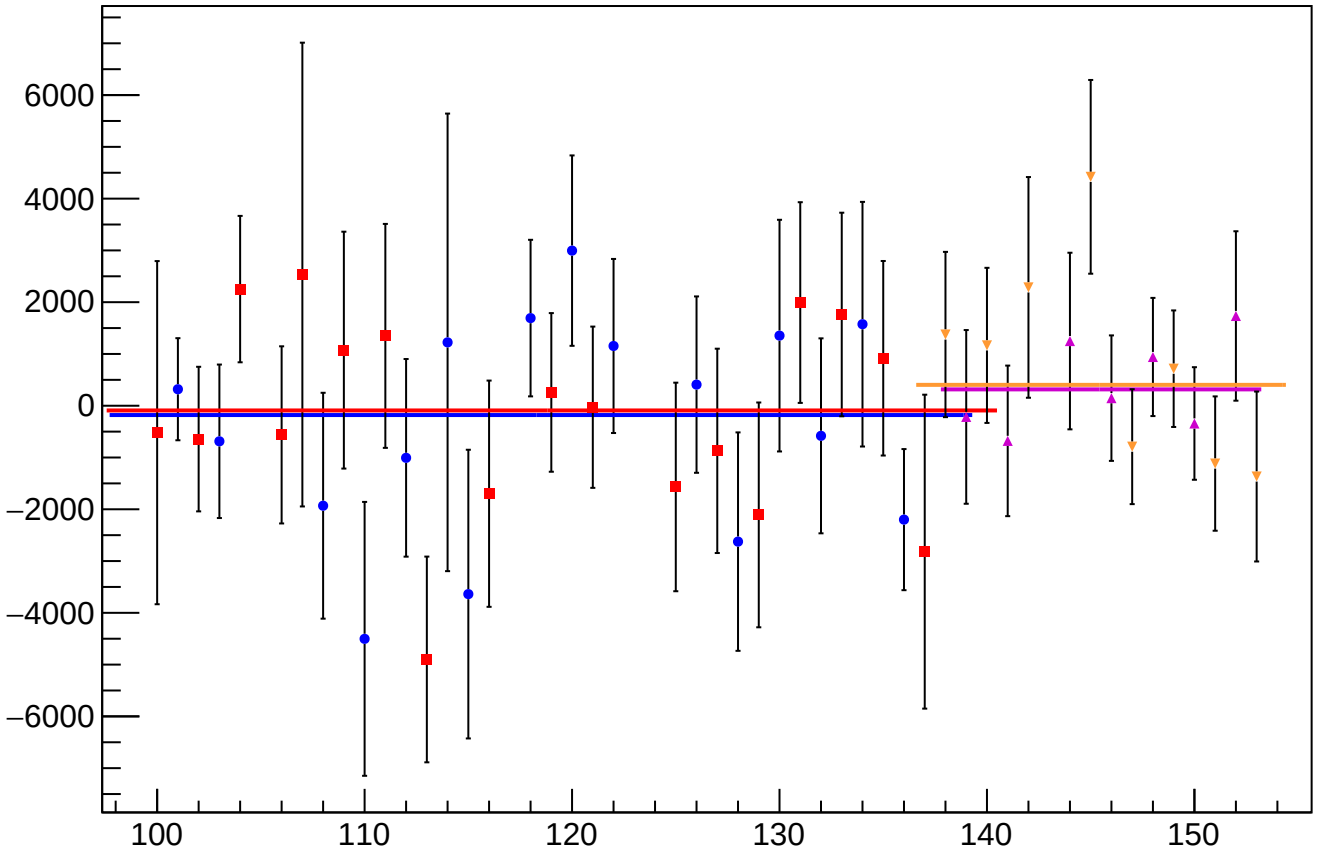
Left: 783.645+/-0.158 χ^2/NDF: 3570.2/14

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

In: 782.514+/-0.151 χ^2/NDF:14092.0/22

Out: 785.210+/-0.151 χ^2/NDF:9115.5/25

All: 783.867+/-0.107 χ^2/NDF: 23366.9/48



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

Left Out: 403.149+/-505.661 χ^2/NDF:9.8/7

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

Left In: 315.634+/-510.276 χ^2/NDF:2.3/6

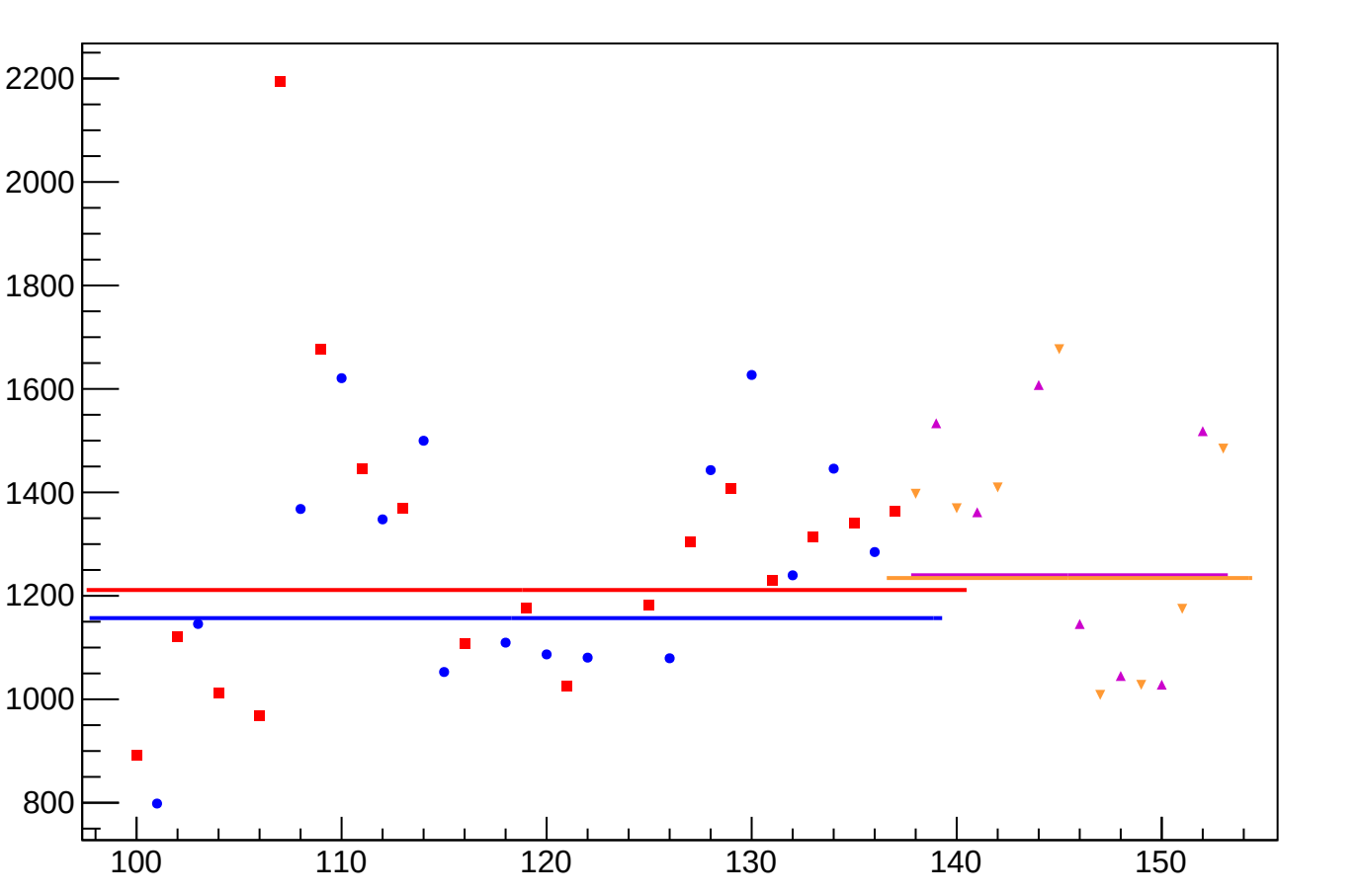
Left: 359.789+/-359.177 χ^2/NDF: 12.1/14

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

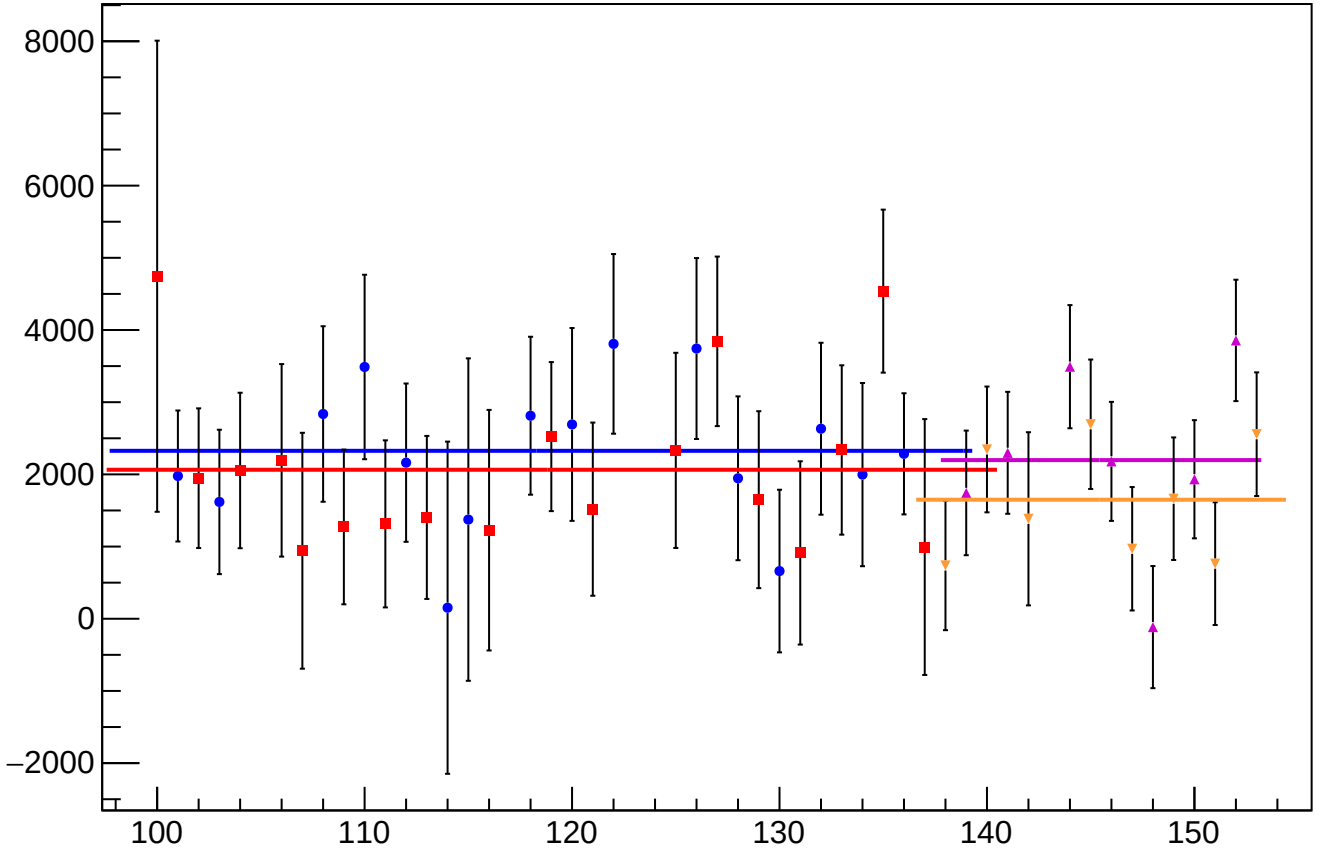
In: 31.828+/-333.561 χ^2/NDF:18.2/22

Out: 129.826+/-338.152 χ^2/NDF:25.5/25

All: 80.157+/-237.470 χ^2/NDF: 43.8/48


asym_us_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
Right In: 1156.948+/-0.312 χ²/NDF: 569119.8/15
Left Out: 1234.411+/-0.358 χ²/NDF:363228.0/7
Right Out: 1211.264+/-0.322 χ²/NDF: 397714.5/17
Left In: 1239.780+/-0.361 χ²/NDF:372376.8/6
Left: 1237.072+/-0.254 χ²/NDF: 735716.6/14
Right: 1183.255+/-0.224 χ²/NDF: 981543.7/33
In: 1192.343+/-0.236 χ²/NDF:971678.2/22
Out: 1221.616+/-0.239 χ²/NDF:763259.3/25
All: 1206.779+/-0.168 χ²/NDF: 1742533.7/48

dit_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1649.131+/-316.171 χ^2/NDF:5.9/7

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

Left In: 2197.804+/-317.903 χ^2/NDF:14.1/6

Left: 1921.968+/-224.176 χ^2/NDF: 21.5/14

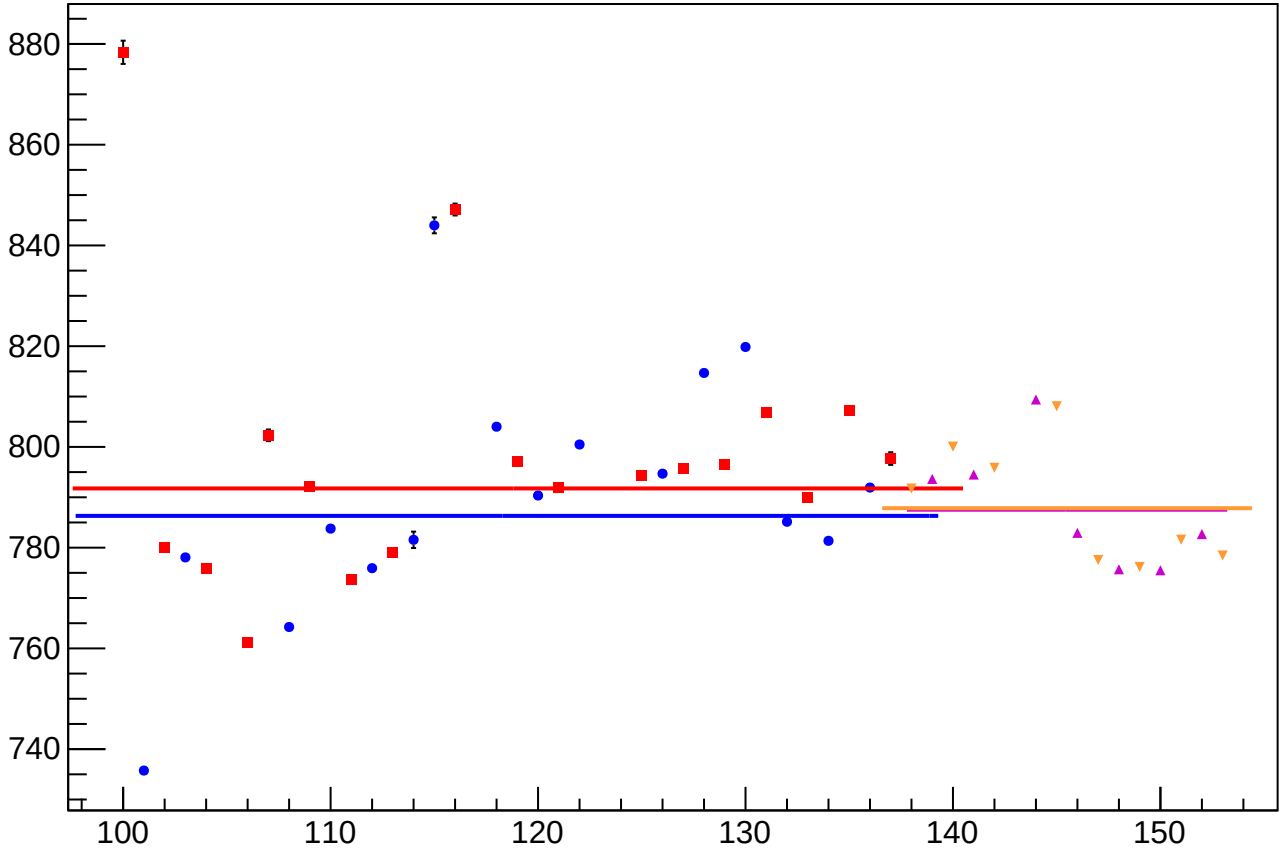
Right: 2195.030+/-206.463 χ^2/NDF: 20.2/33

In: 2267.532+/-215.121 χ^2/NDF:22.3/22

Out: 1873.163+/-214.429 χ^2/NDF:18.5/25

All: 2069.712+/-151.868 χ^2/NDF: 42.5/48

dit_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 787.834+/-0.224 χ^2/NDF:2555.6/7

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

Left In: 787.536+/-0.225 χ^2/NDF:2503.3/6

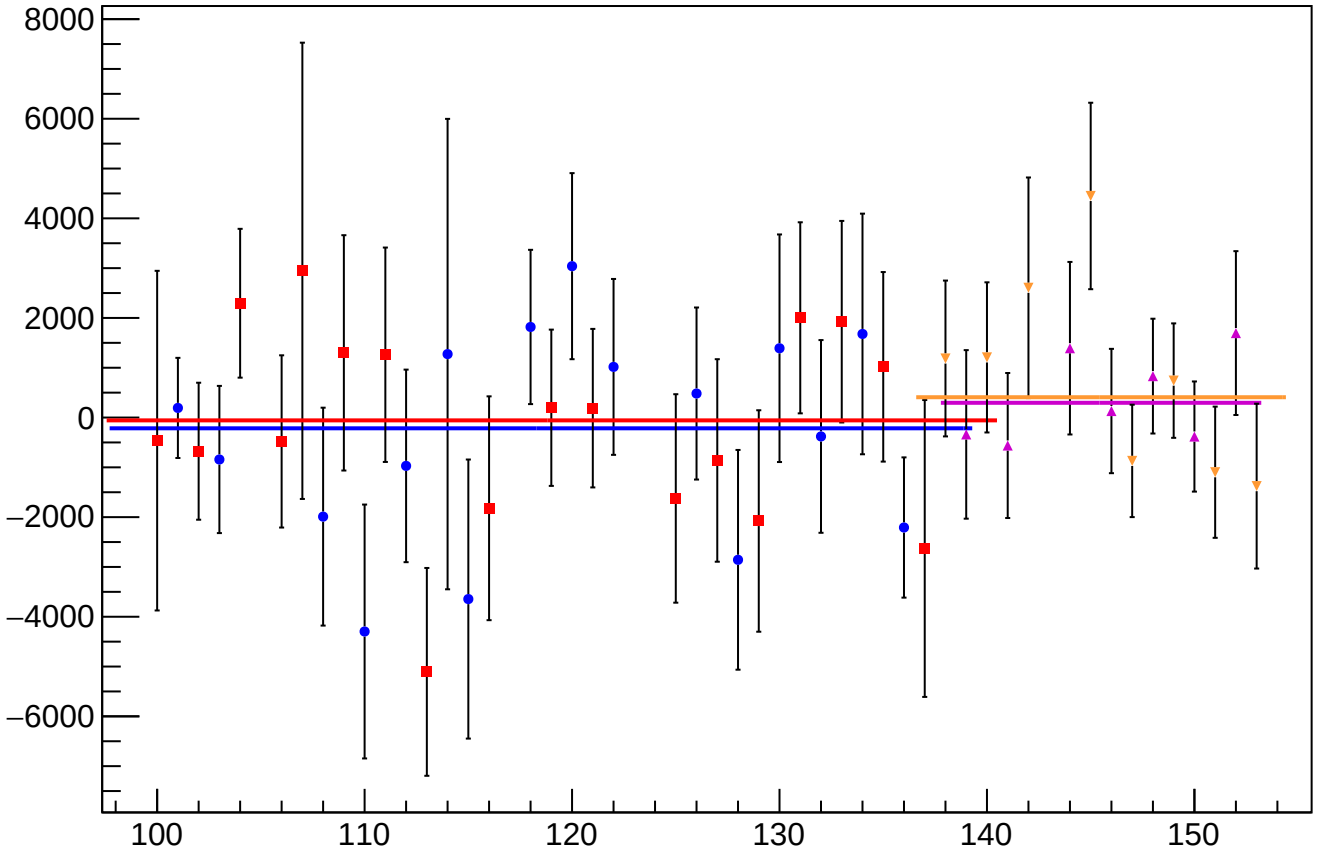
Left: 787.686+/-0.159 χ^2/NDF: 5059.7/14

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

In: 786.871+/-0.152 χ^2/NDF:15090.5/22

Out: 789.952+/-0.152 χ^2/NDF:9736.9/25

All: 788.417+/-0.107 χ^2/NDF: 25033.2/48



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

Left Out: 407.878+/-511.506 χ^2/NDF:10.0/7

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

Left In: 296.085+/-517.379 χ^2/NDF:2.2/6

Left: 352.620+/-363.748 χ^2/NDF: 12.3/14

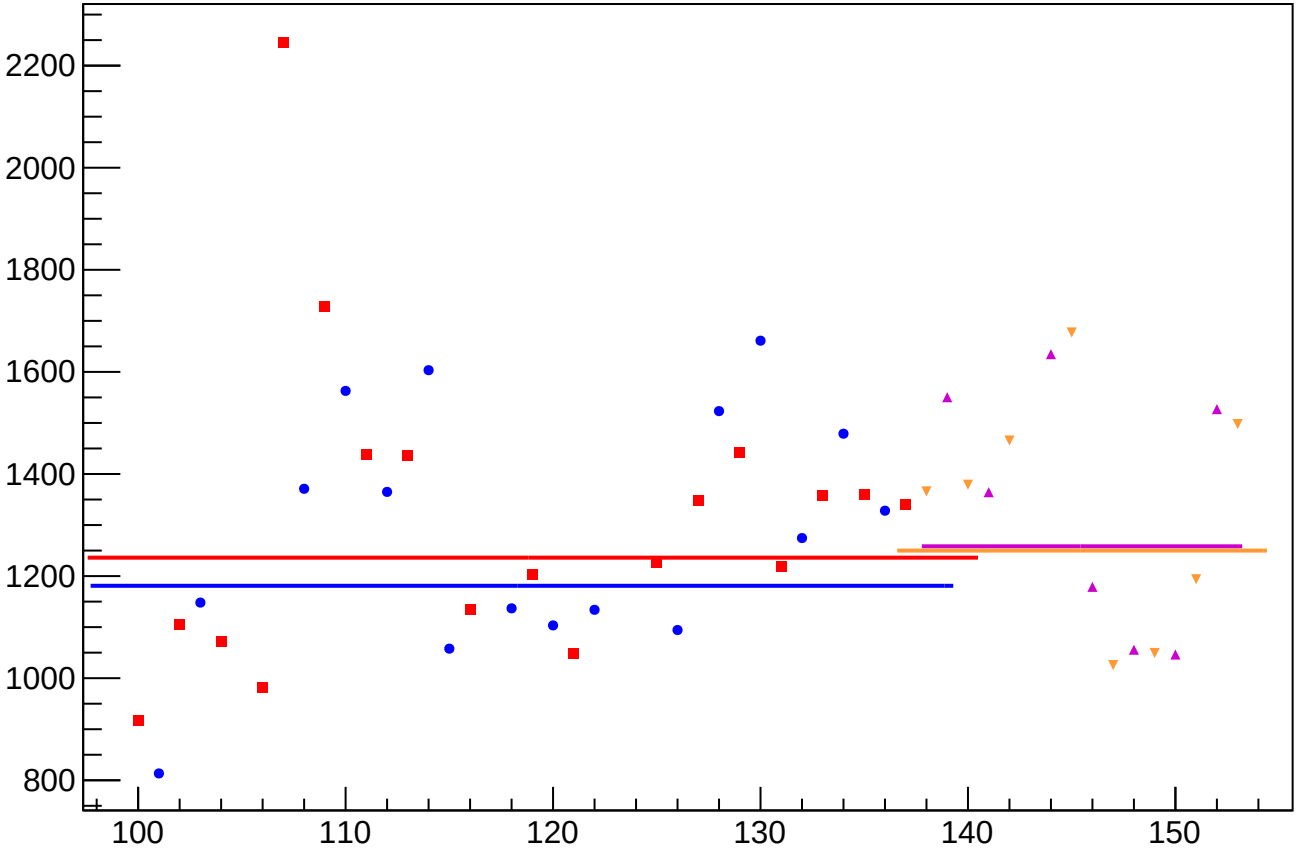
Right: -139.003+/-322.855 χ^2/NDF: 30.5/33

In: 4.184+/-339.339 χ^2/NDF:18.1/22

Out: 152.961+/-343.659 χ^2/NDF:25.6/25

All: 77.632+/-241.462 χ^2/NDF: 43.8/48

asym_us_avg_dit_correction_rms vs Slug, Sign Corrected



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

Left Out: 1249.966+/-0.362 χ^2/NDF:337329.0/7

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

Left In: 1258.354+/-0.366 χ^2/NDF:361335.9/6

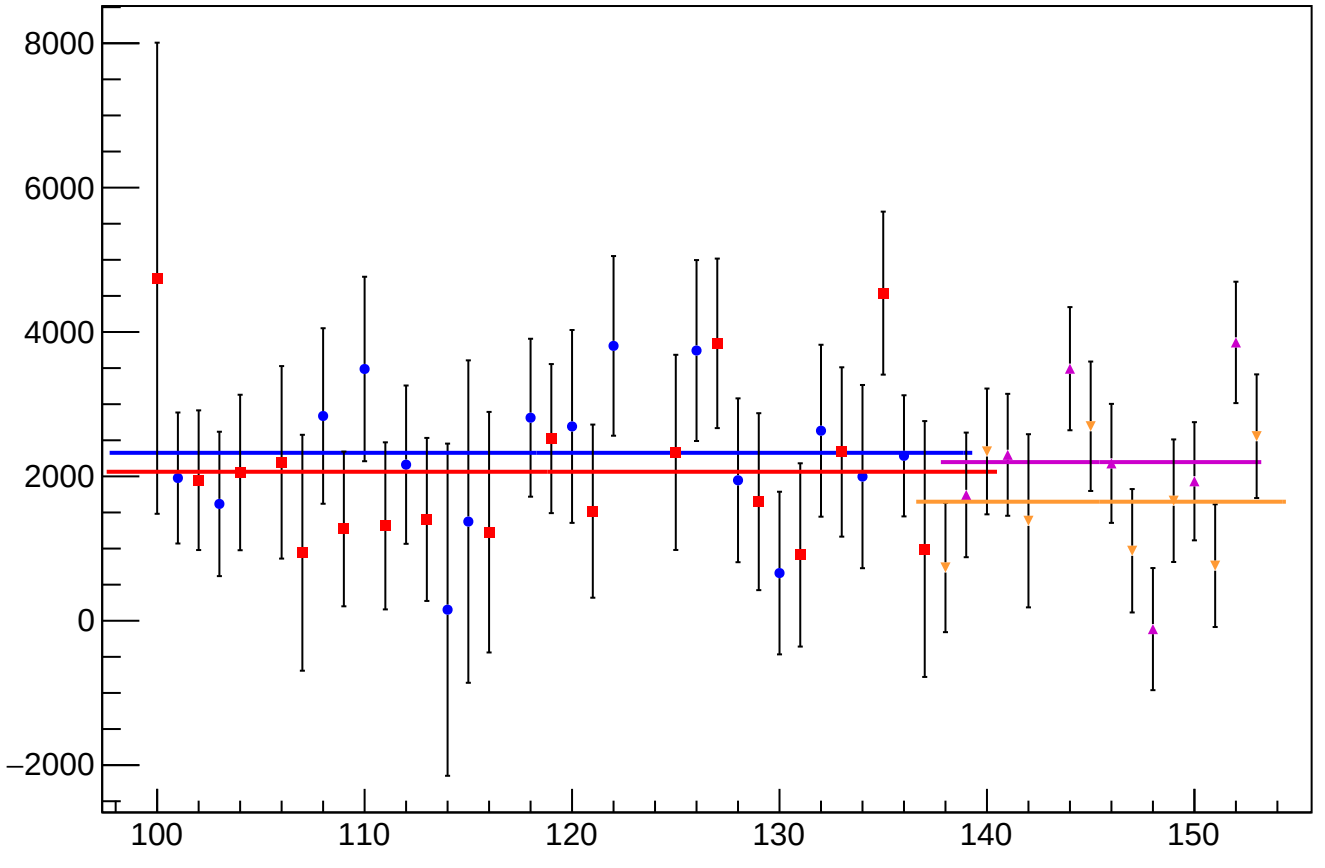
Left: 1254.112+/-0.257 χ^2/NDF: 698930.7/14

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

In: 1214.275+/-0.240 χ^2/NDF:957920.1/22

Out: 1242.378+/-0.243 χ^2/NDF:735373.5/25

All: 1228.149+/-0.171 χ^2/NDF: 1700065.4/48



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

Left Out: 1649.130+/-316.171 χ^2/NDF:5.9/7

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

Left In: 2197.805+/-317.903 χ^2/NDF:14.1/6

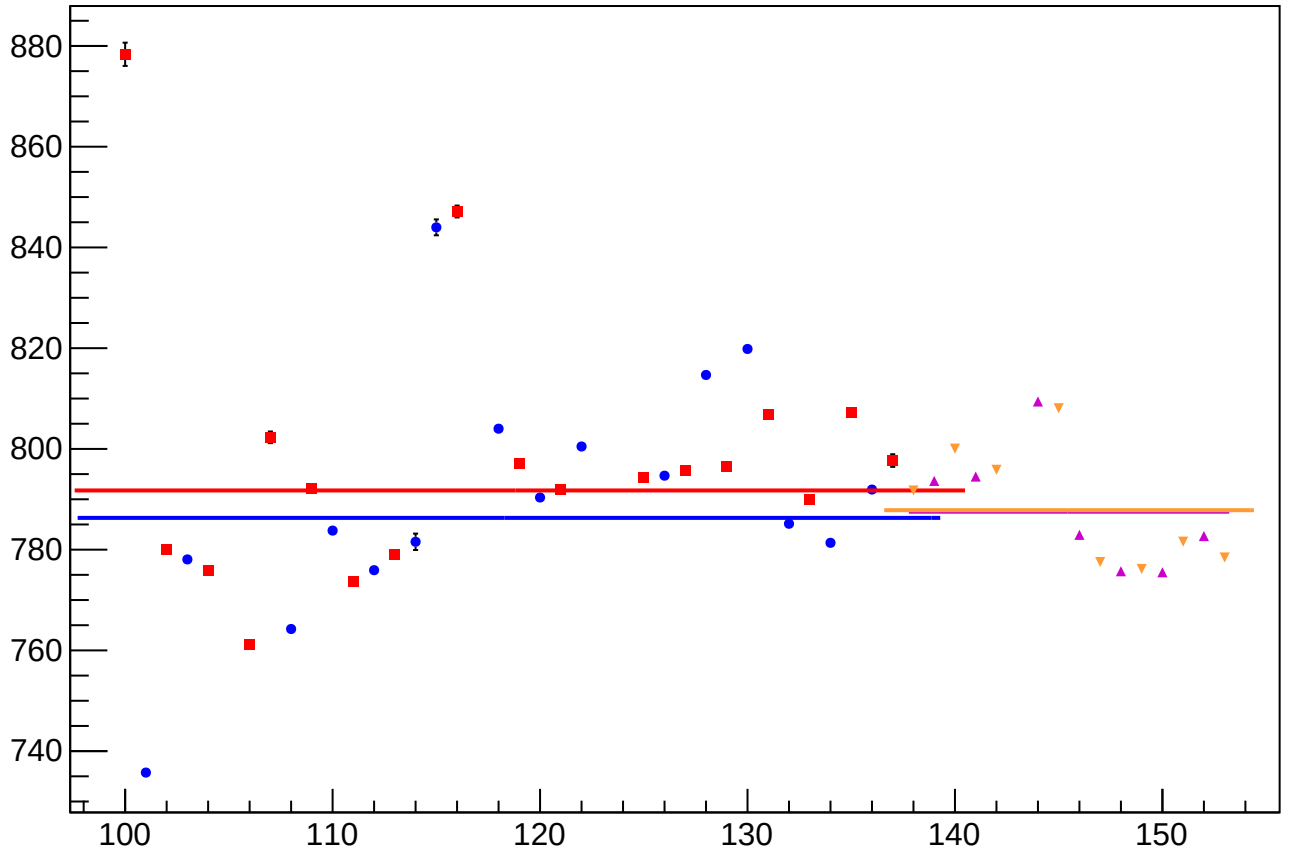
Left: 1921.968+/-224.176 χ^2/NDF: 21.5/14

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

In: 2267.532+/-215.121 χ^2/NDF:22.3/22

Out: 1873.162+/-214.429 χ^2/NDF:18.5/25

All: 2069.711+/-151.868 χ^2/NDF: 42.5/48



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

Left Out: 787.834+/-0.224 χ^2/NDF:2555.5/7

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

Left In: 787.536+/-0.225 χ^2/NDF:2503.3/6

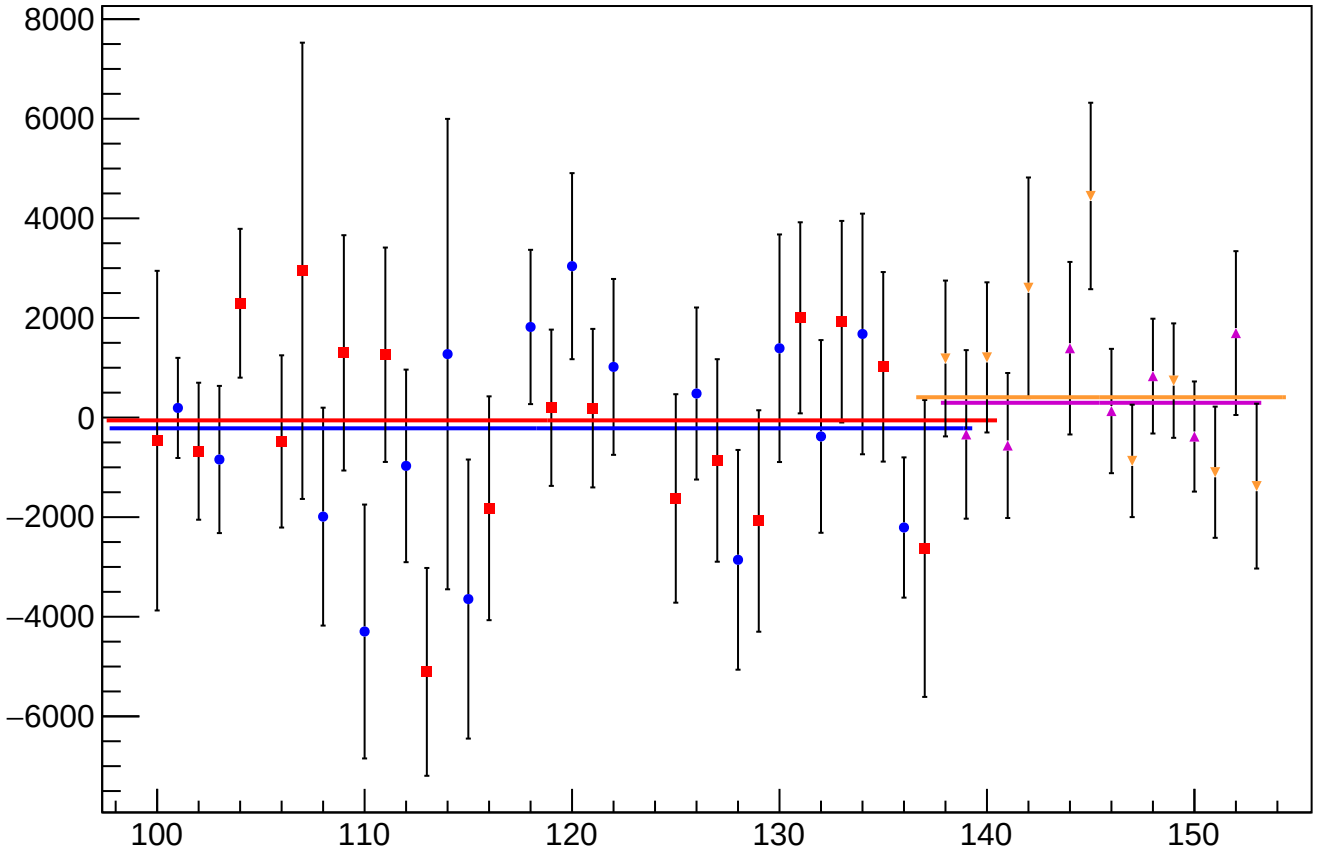
Left: 787.686+/-0.159 χ^2/NDF: 5059.7/14

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

In: 786.871+/-0.152 χ^2/NDF:15090.4/22

Out: 789.952+/-0.152 χ^2/NDF:9736.9/25

All: 788.416+/-0.107 χ^2/NDF: 25033.1/48



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

Left Out: 407.874+/-511.507 χ^2/NDF:10.0/7

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

Left In: 296.087+/-517.380 χ^2/NDF:2.2/6

Left: 352.619+/-363.748 χ^2/NDF: 12.3/14

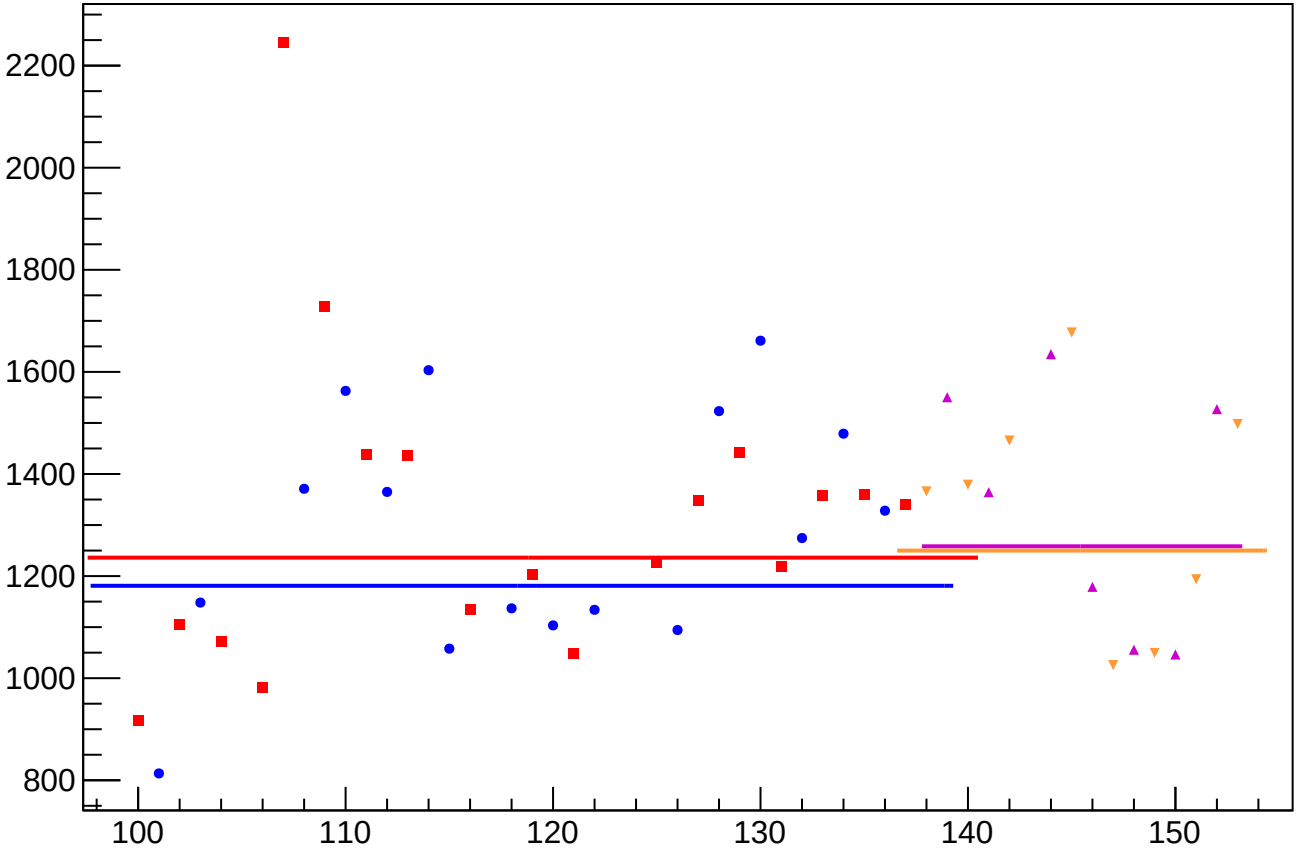
Right: -139.003+/-322.855 χ^2/NDF: 30.5/33

In: 4.184+/-339.339 χ^2/NDF:18.1/22

Out: 152.959+/-343.659 χ^2/NDF:25.6/25

All: 77.631+/-241.462 χ^2/NDF: 43.8/48

asym_us_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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

Left Out: 1249.968+/-0.362 χ^2/NDF:337330.6/7

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

Left In: 1258.356+/-0.366 χ^2/NDF:361336.4/6

Left: 1254.114+/-0.257 χ^2/NDF: 698932.9/14

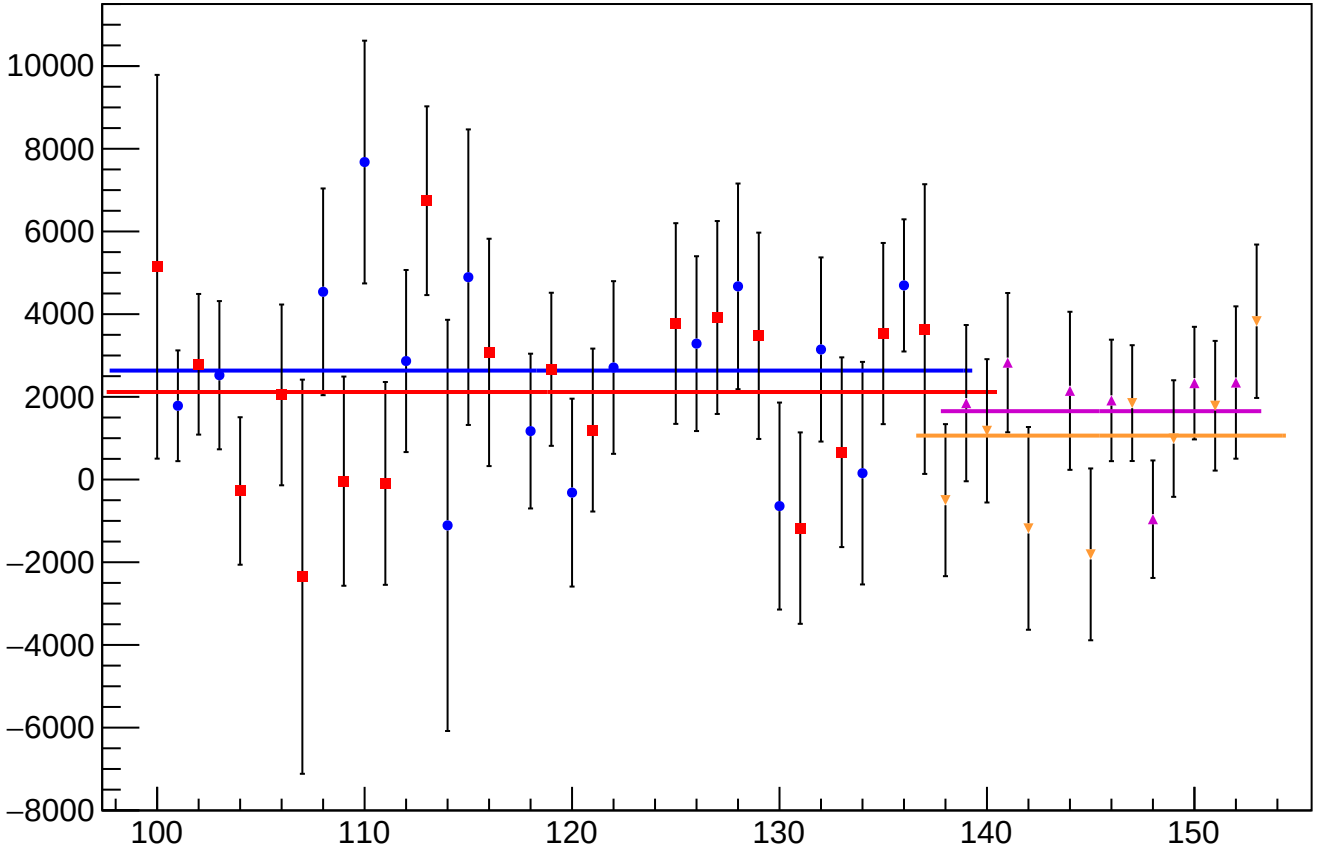
Right: 1207.692+/-0.228 χ^2/NDF: 982914.1/33

In: 1214.274+/-0.240 χ^2/NDF:957922.0/22

Out: 1242.377+/-0.243 χ^2/NDF:735374.3/25

All: 1228.148+/-0.171 χ^2/NDF: 1700068.0/48

asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1062.633+/-604.513 χ^2/NDF:6.2/7

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

Left In: 1653.489+/-608.702 χ^2/NDF:4.4/6

Left: 1356.020+/-428.929 χ^2/NDF: 11.1/14

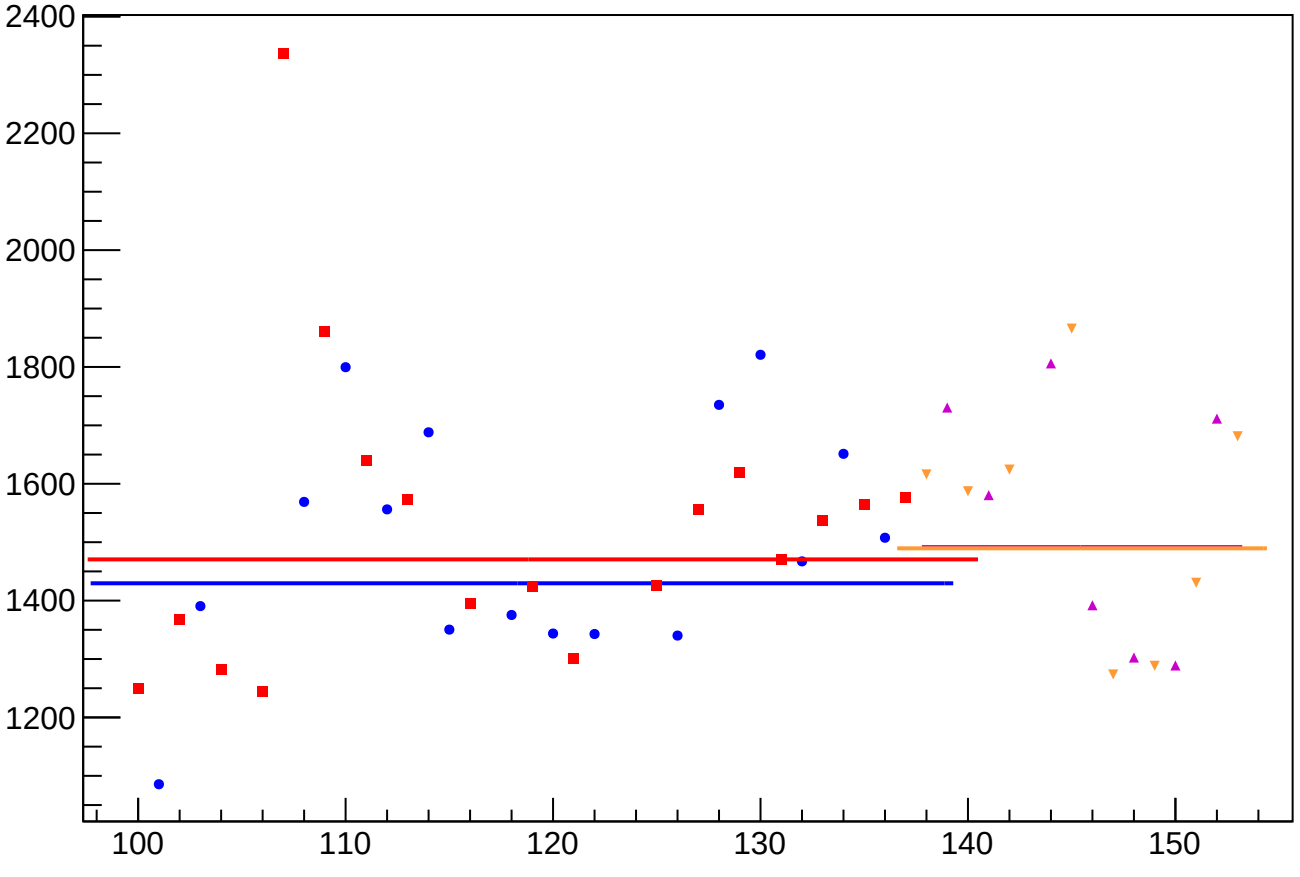
Right: 2380.790+/-383.745 χ^2/NDF: 26.4/33

In: 2204.724+/-403.128 χ^2/NDF:18.1/22

Out: 1641.974+/-405.797 χ^2/NDF:21.6/25

All: 1925.206+/-285.994 χ^2/NDF: 40.7/48

asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 1489.501+/-0.427 χ^2/NDF:199819.5/7

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

Left In: 1491.649+/-0.430 χ^2/NDF:209126.1/6

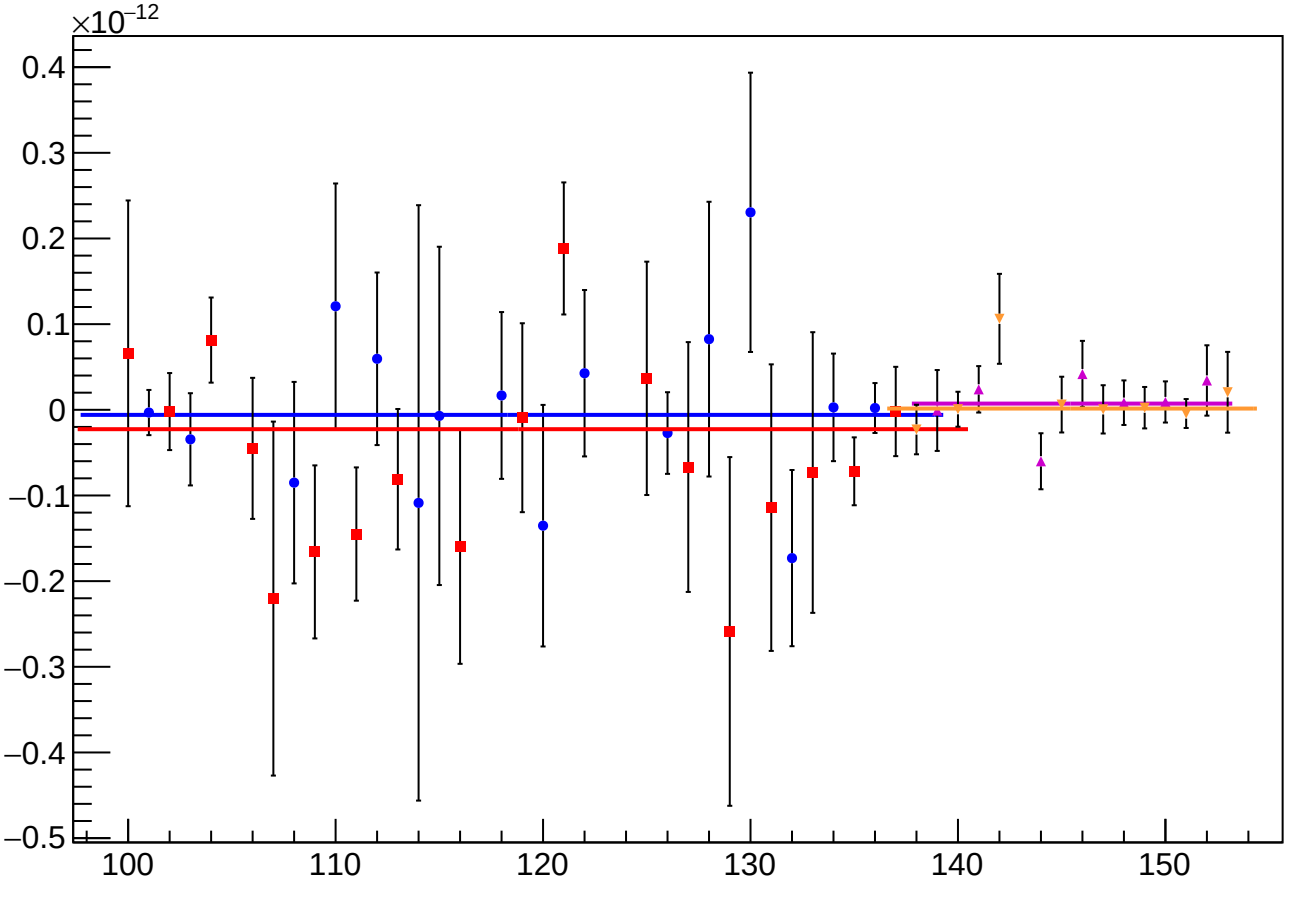
Left: 1490.567+/-0.303 χ^2/NDF: 408958.1/14

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

In: 1456.845+/-0.285 χ^2/NDF:514161.2/22

Out: 1479.098+/-0.287 χ^2/NDF:418965.0/25

All: 1467.898+/-0.202 χ^2/NDF: 936153.1/48



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

Left Out: 0.000+/-0.000 χ^2/NDF:5.0/7

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

Left In: 0.000+/-0.000 χ^2/NDF:5.9/6

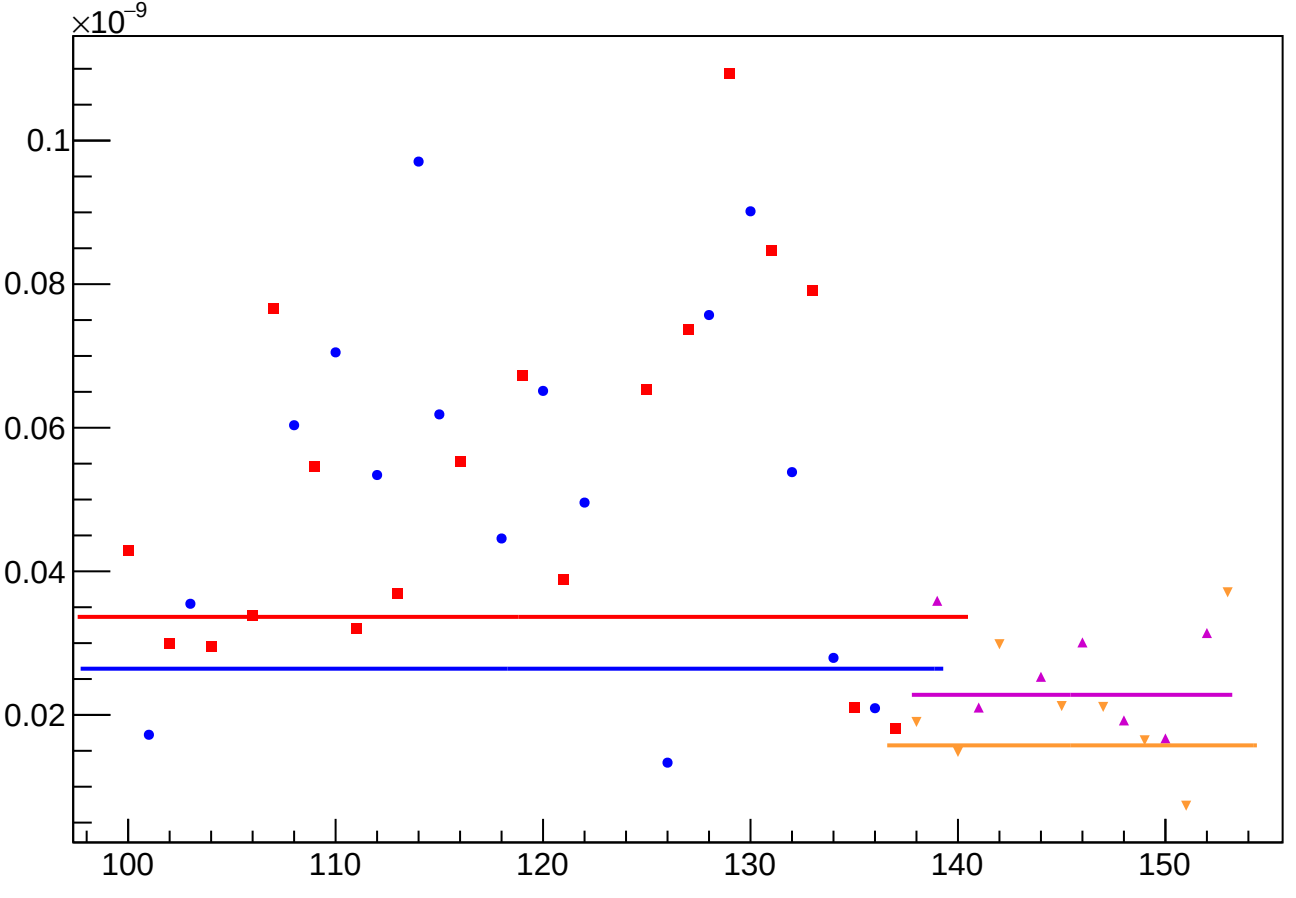
Left: 0.000+/-0.000 χ^2/NDF: 11.0/14

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

In: 0.000+/-0.000 χ^2/NDF:14.9/22

Out: -0.000+/-0.000 χ^2/NDF:29.5/25

All: -0.000+/-0.000 χ^2/NDF: 44.6/48



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

Left Out: 0.000+/-0.000 χ^2/NDF:1208186.4/7

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

Left In: 0.000+/-0.000 χ^2/NDF:498755.7/6

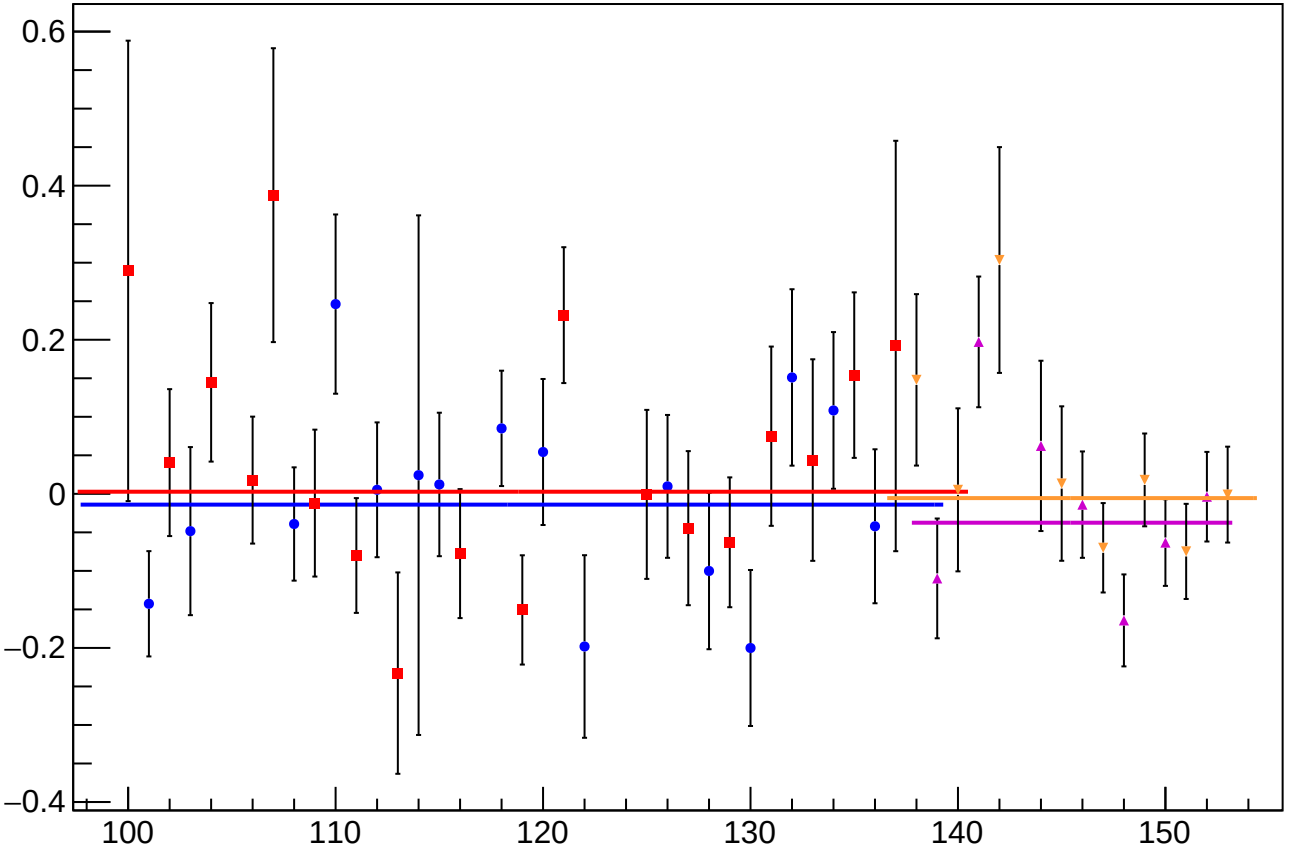
Left: 0.000+/-0.000 χ^2/NDF: 2151418.0/14

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

In: 0.000+/-0.000 χ^2/NDF:2708960.4/22

Out: 0.000+/-0.000 χ^2/NDF:4461880.0/25

All: 0.000+/-0.000 χ^2/NDF: 7466415.2/48



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

Left Out: -0.006+/-0.027 χ^2/NDF:9.0/7

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

Left In: -0.037+/-0.026 χ^2/NDF:14.5/6

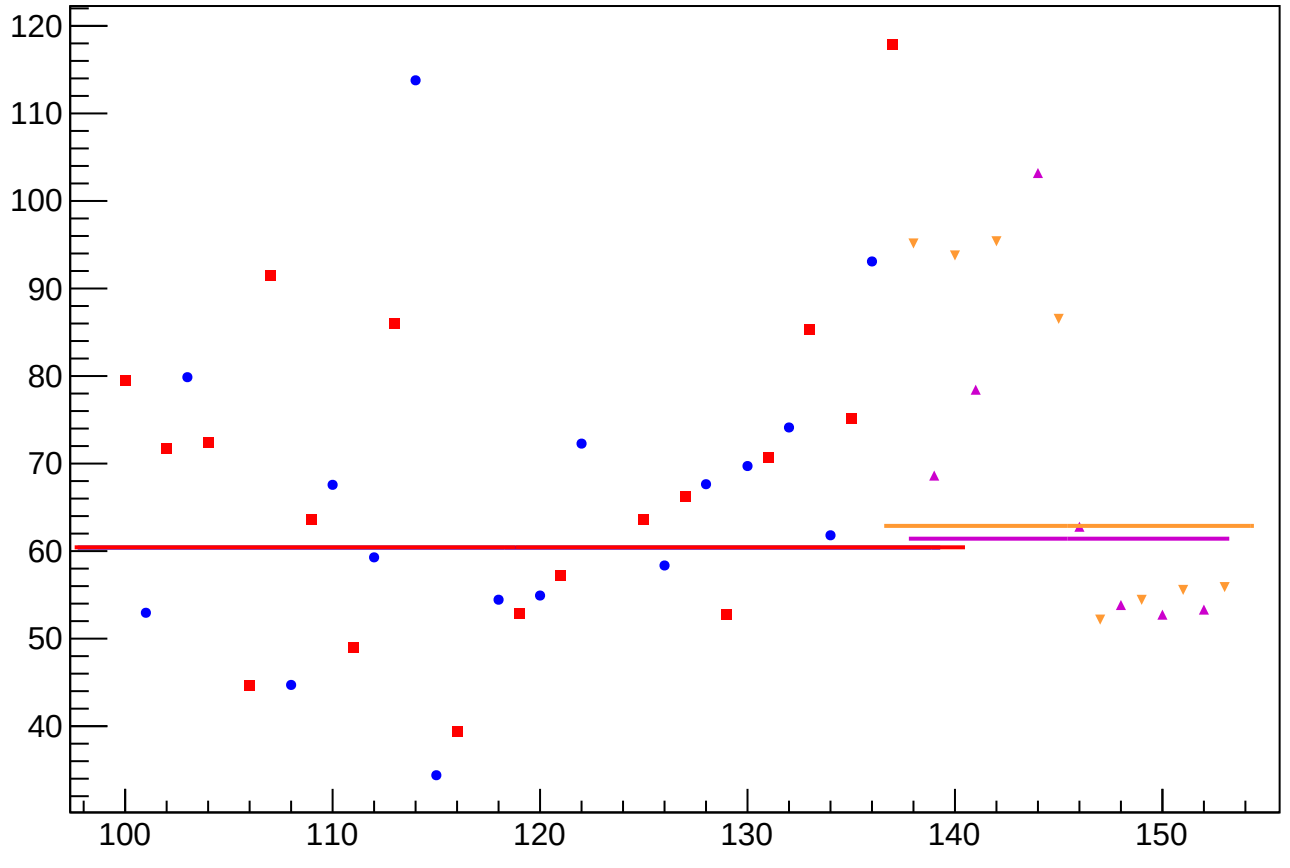
Left: -0.022+/-0.019 χ^2/NDF: 24.3/14

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

In: -0.025+/-0.018 χ^2/NDF:36.3/22

Out: -0.001+/-0.018 χ^2/NDF:36.9/25

All: -0.013+/-0.012 χ^2/NDF: 74.1/48



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

Left Out: 62.880+/-0.019 χ^2/NDF:709301.5/7

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

Left In: 61.419+/-0.018 χ^2/NDF:502888.3/6

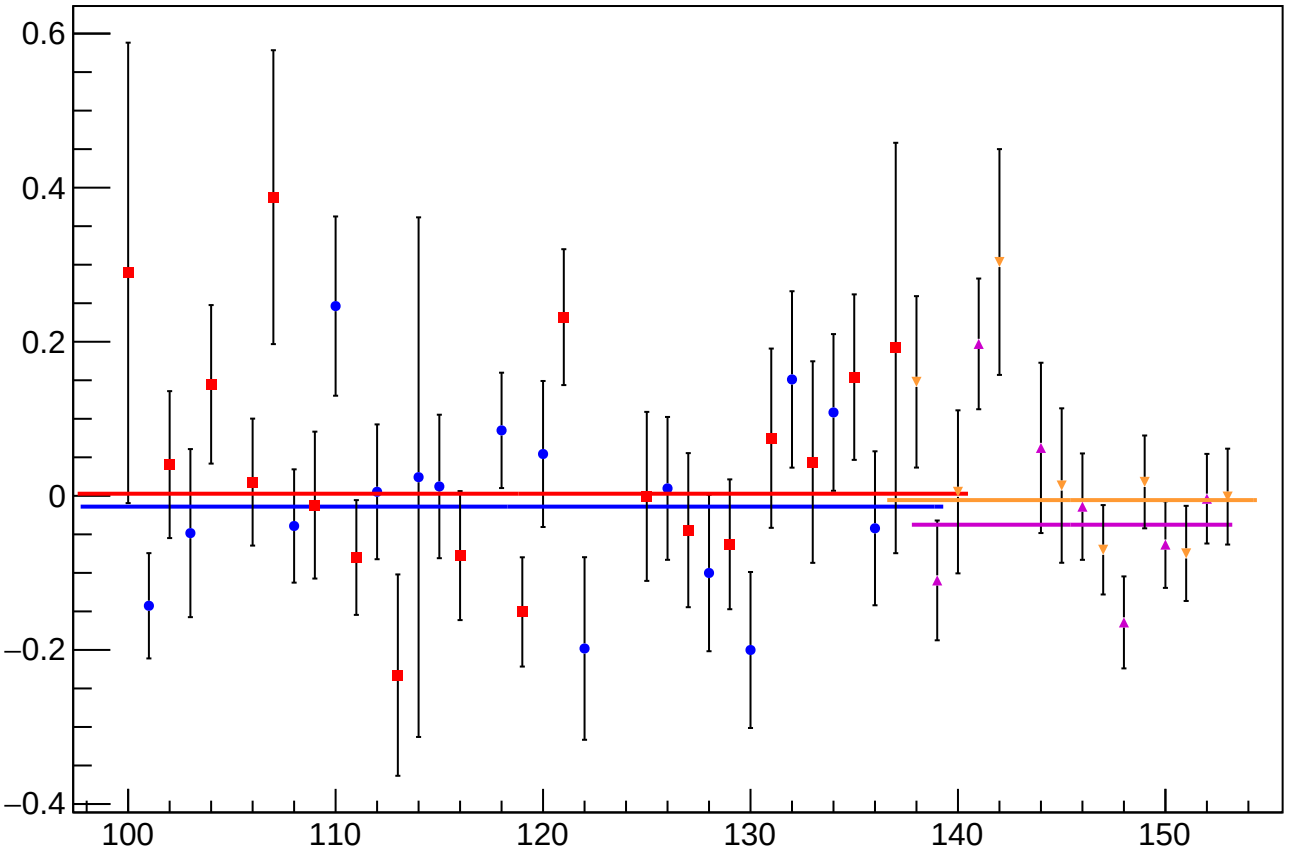
Left: 62.130+/-0.013 χ^2/NDF: 1215281.4/14

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

In: 60.867+/-0.012 χ^2/NDF:1207720.3/22

Out: 61.520+/-0.013 χ^2/NDF:1429775.1/25

All: 61.190+/-0.009 χ^2/NDF: 2638862.3/48



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

Left Out: -0.006+/-0.027 χ^2/NDF:9.0/7

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

Left In: -0.037+/-0.026 χ^2/NDF:14.5/6

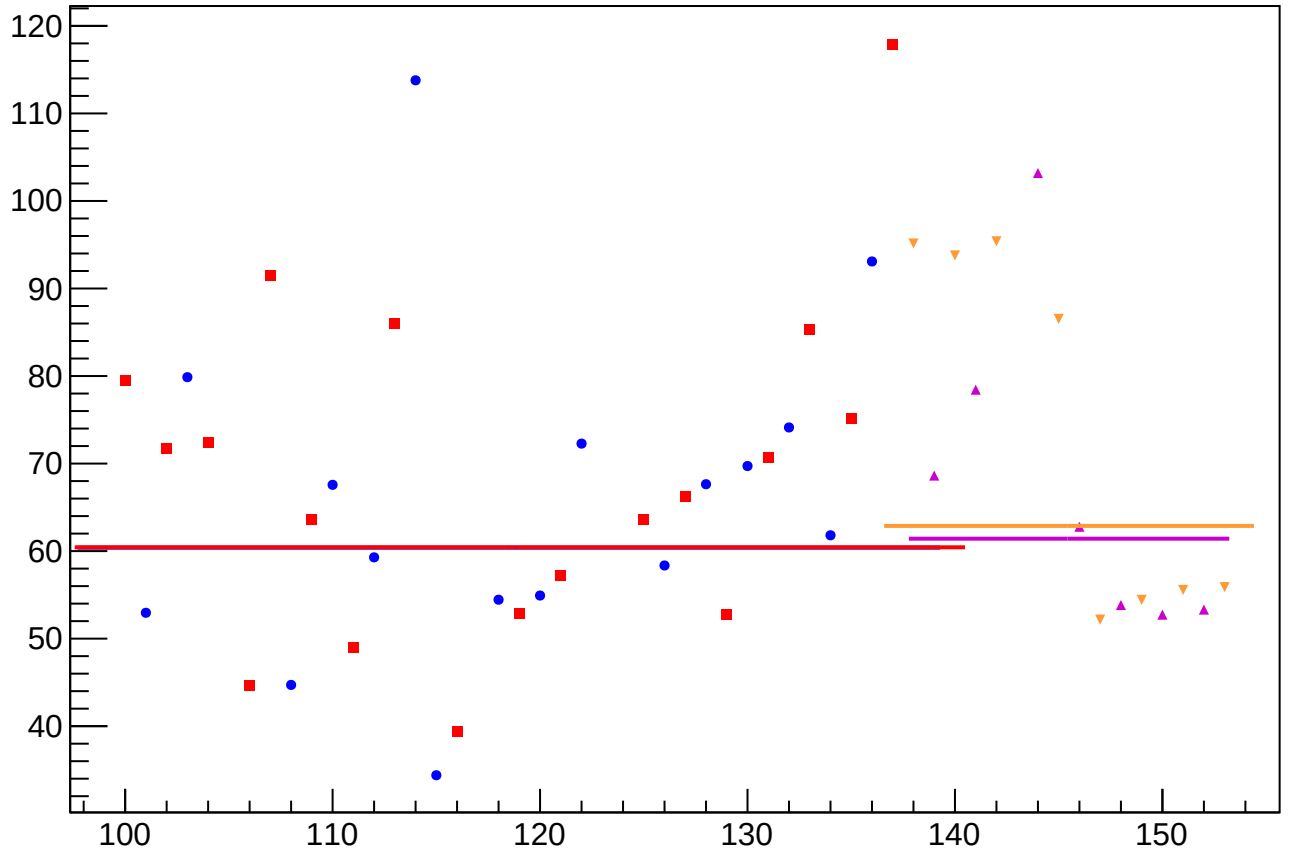
Left: -0.022+/-0.019 χ^2/NDF: 24.3/14

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

In: -0.025+/-0.018 χ^2/NDF:36.3/22

Out: -0.001+/-0.018 χ^2/NDF:36.9/25

All: -0.013+/-0.012 χ^2/NDF: 74.1/48



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

Left Out: 62.880+/-0.019 χ^2/NDF:709301.5/7

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

Left In: 61.419+/-0.018 χ^2/NDF:502888.3/6

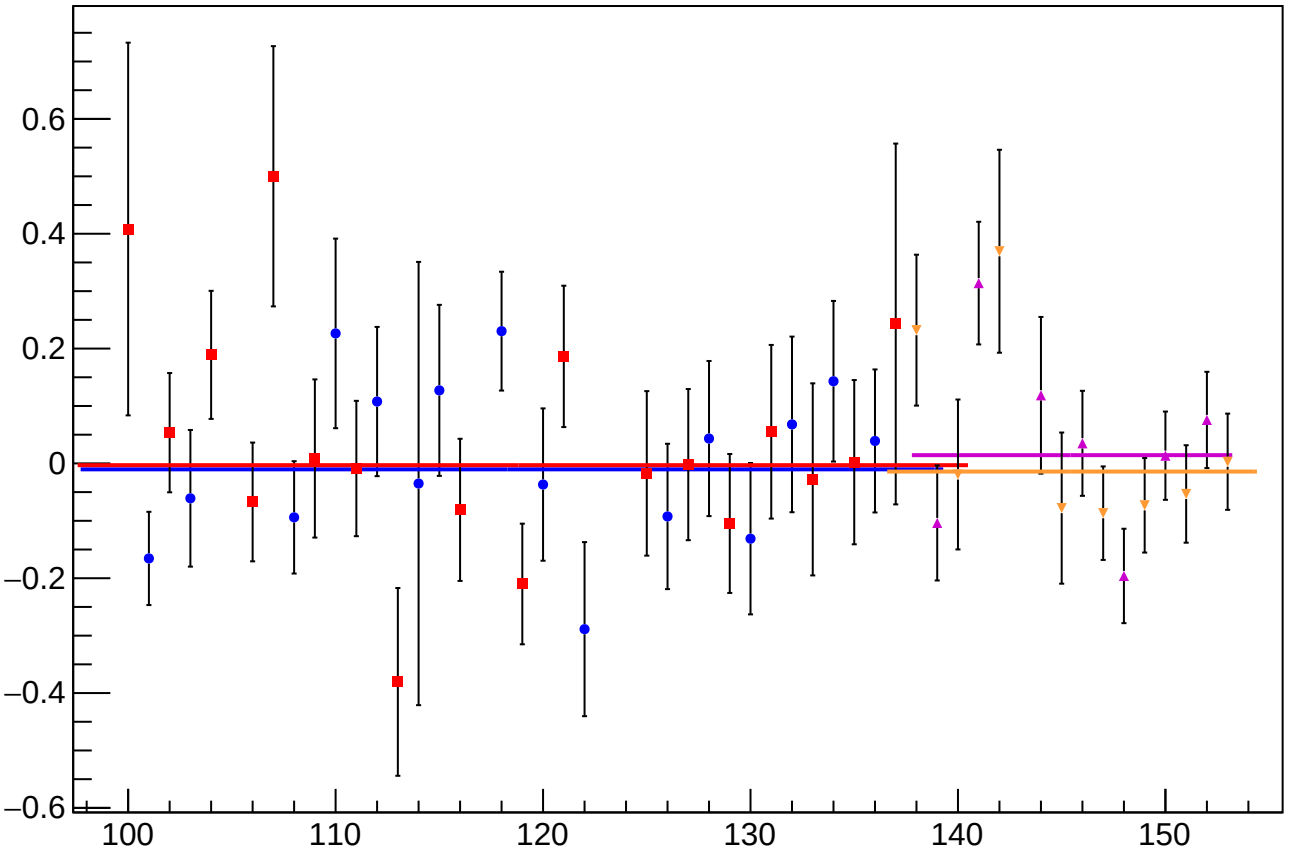
Left: 62.130+/-0.013 χ^2/NDF: 1215281.4/14

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

In: 60.867+/-0.012 χ^2/NDF:1207720.3/22

Out: 61.520+/-0.013 χ^2/NDF:1429775.1/25

All: 61.190+/-0.009 χ^2/NDF: 2638862.3/48



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

Left Out: -0.014+/-0.036 χ^2/NDF:10.0/7

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

Left In: 0.014+/-0.035 χ^2/NDF:17.0/6

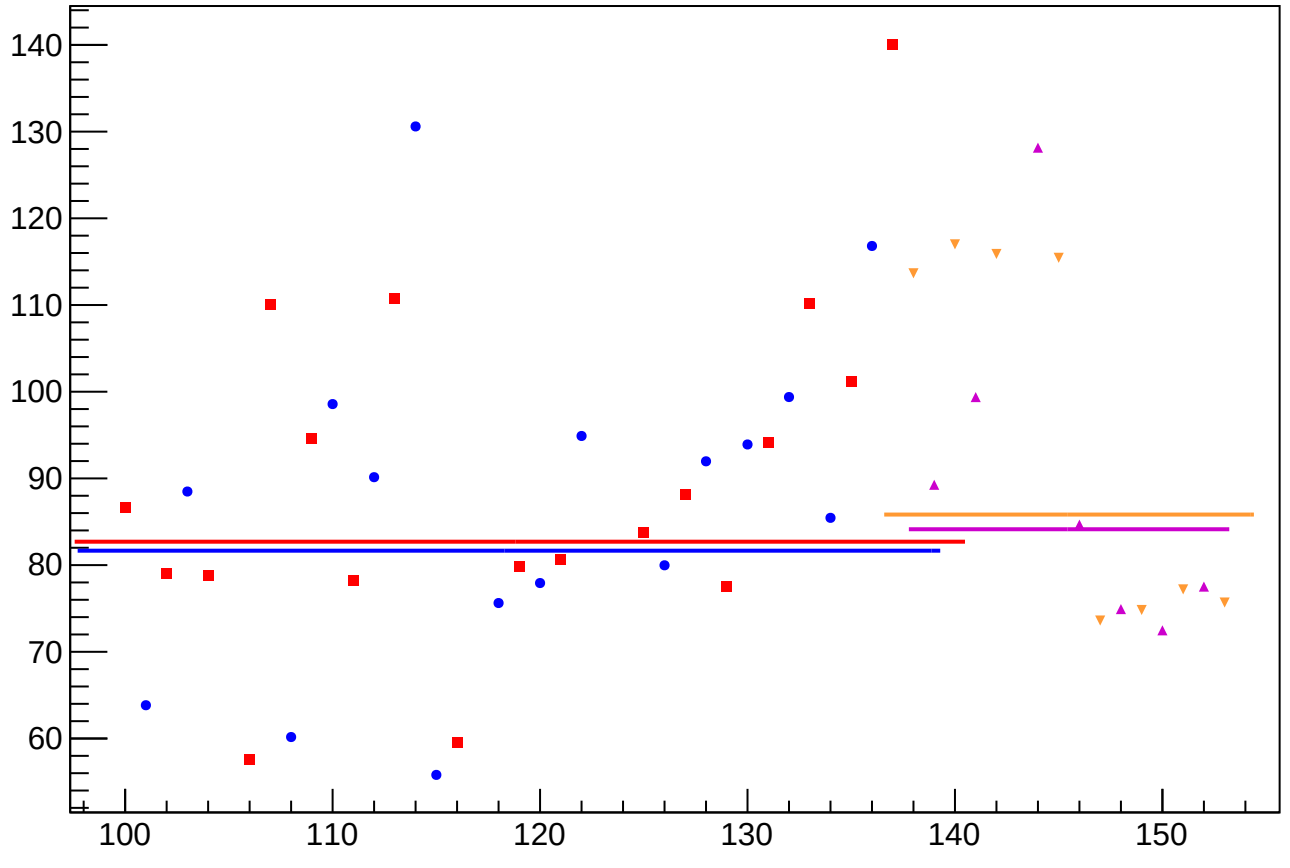
Left: 0.000+/-0.025 χ^2/NDF: 27.3/14

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

In: 0.001+/-0.023 χ^2/NDF:37.4/22

Out: -0.008+/-0.024 χ^2/NDF:33.7/25

All: -0.004+/-0.017 χ^2/NDF: 71.2/48



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

Left Out: 85.831+/-0.025 χ^2/NDF:493585.9/7

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

Left In: 84.136+/-0.025 χ^2/NDF:337628.8/6

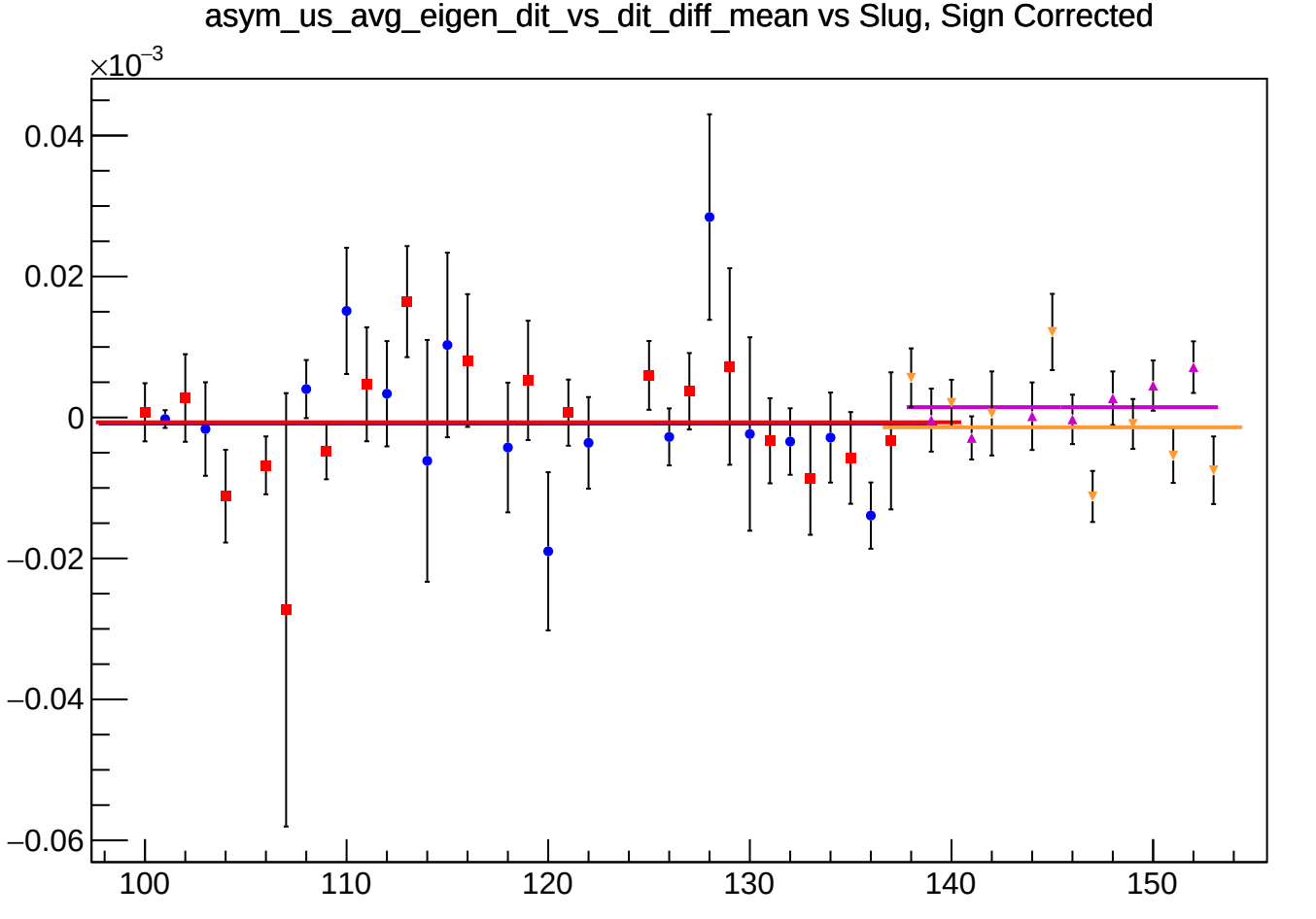
Left: 84.966+/-0.018 χ^2/NDF: 833520.0/14

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

In: 82.777+/-0.017 χ^2/NDF:904988.4/22

Out: 84.084+/-0.017 χ^2/NDF:975244.9/25

All: 83.423+/-0.012 χ^2/NDF: 1883308.6/48



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

Left Out: -0.000+/-0.000 χ^2/NDF:20.3/7

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

Left In: 0.000+/-0.000 χ^2/NDF:5.8/6

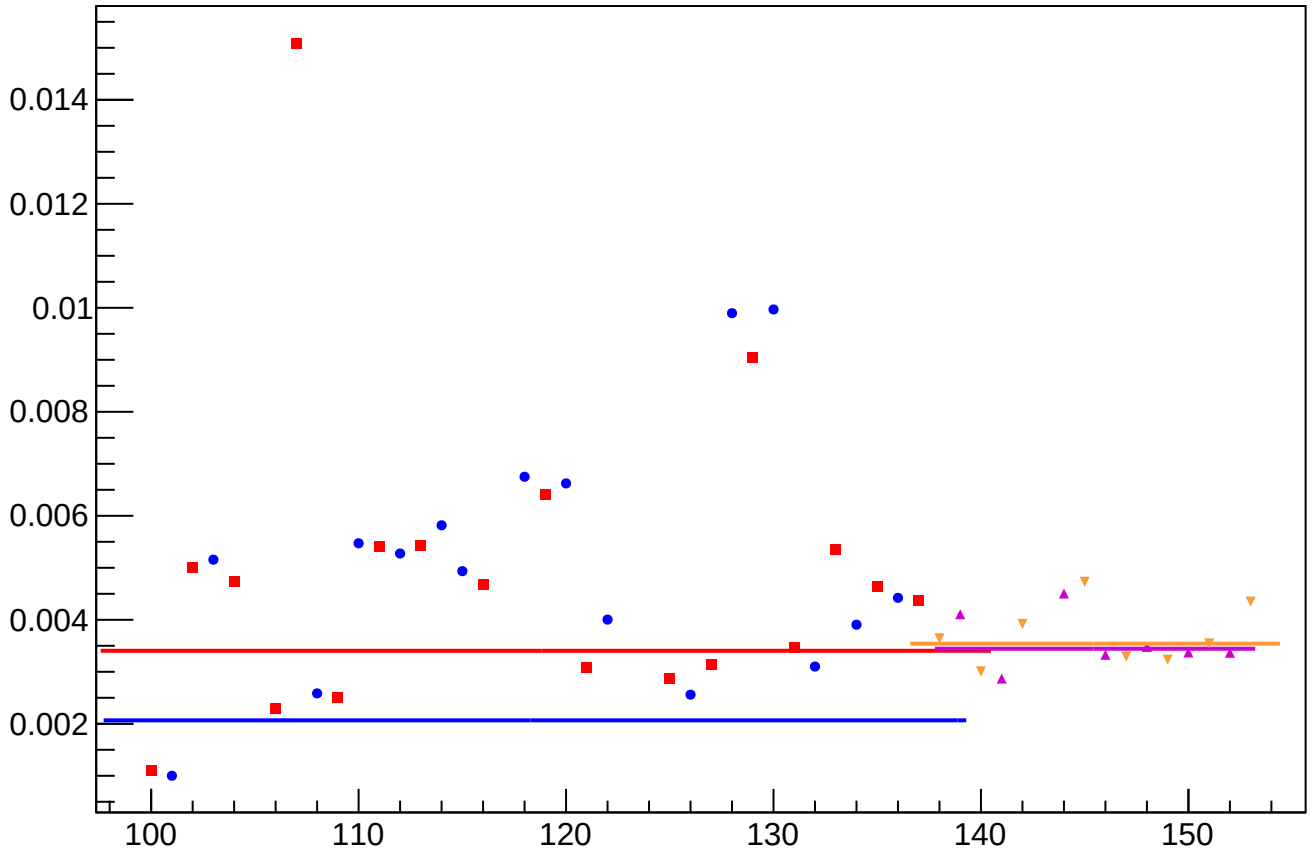
Left: 0.000+/-0.000 χ^2/NDF: 28.1/14

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

In: -0.000+/-0.000 χ^2/NDF:28.9/22

Out: -0.000+/-0.000 χ^2/NDF:38.8/25

All: -0.000+/-0.000 χ^2/NDF: 68.2/48



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

Left Out: 0.004+/-0.000 χ^2/NDF:240035.7/7

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

Left In: 0.003+/-0.000 χ^2/NDF:216593.0/6

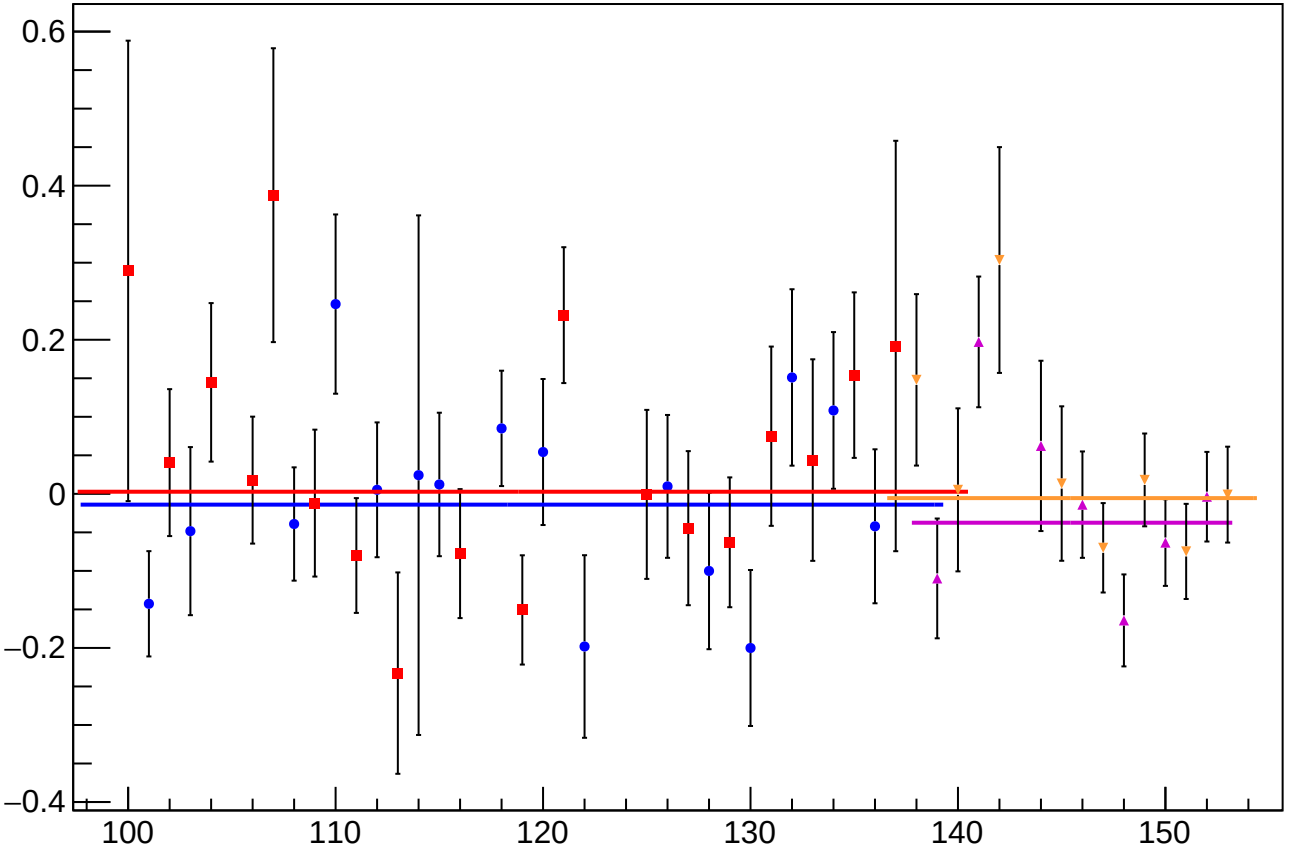
Left: 0.003+/-0.000 χ^2/NDF: 461252.1/14

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

In: 0.003+/-0.000 χ^2/NDF:7293860.0/22

Out: 0.003+/-0.000 χ^2/NDF:2740382.6/25

All: 0.003+/-0.000 χ^2/NDF: 11068176.8/48



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

Left Out: -0.006+/-0.027 χ^2/NDF:9.0/7

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

Left In: -0.037+/-0.026 χ^2/NDF:14.5/6

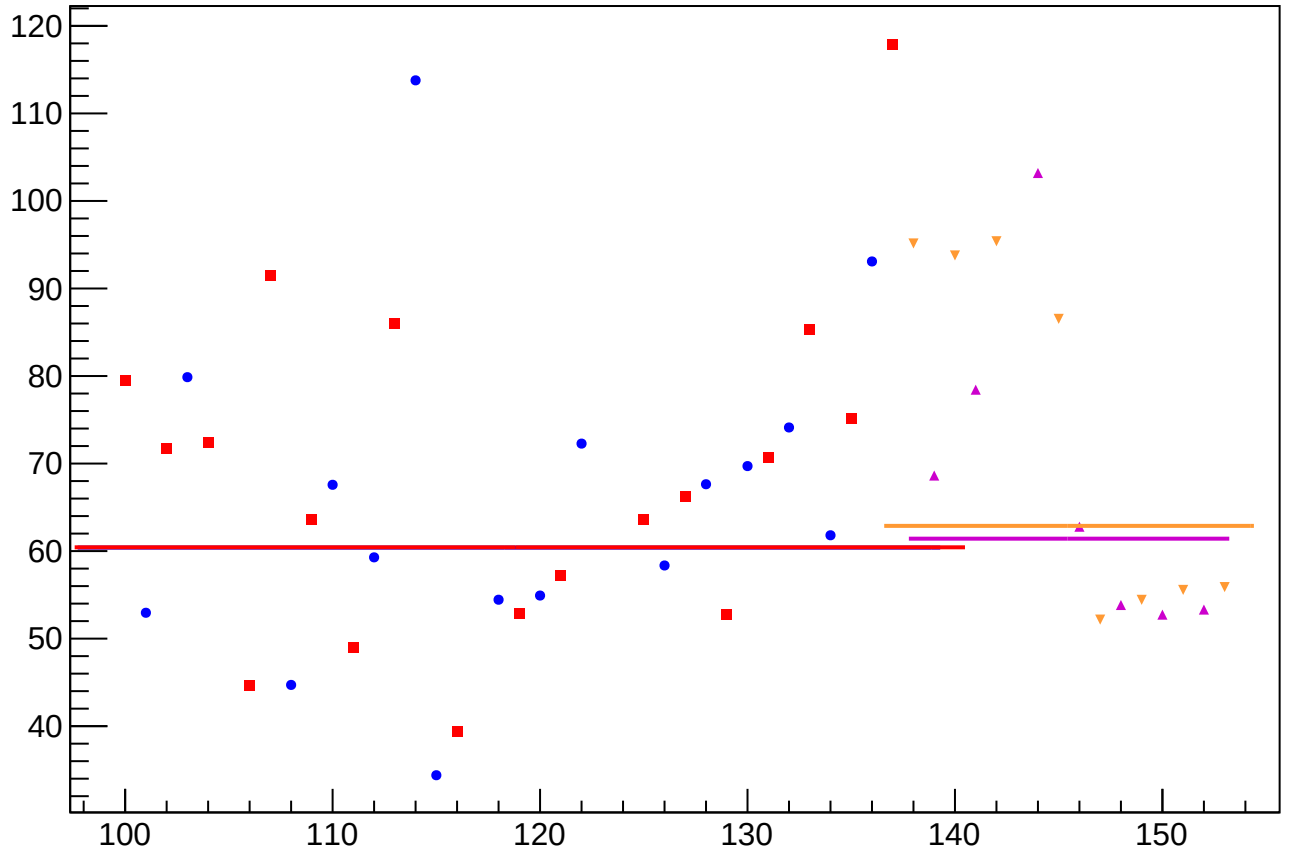
Left: -0.022+/-0.019 χ^2/NDF: 24.3/14

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

In: -0.025+/-0.018 χ^2/NDF:36.3/22

Out: -0.001+/-0.018 χ^2/NDF:36.9/25

All: -0.013+/-0.012 χ^2/NDF: 74.1/48



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

Left Out: 62.880+/-0.019 χ^2/NDF:709292.7/7

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

Left In: 61.419+/-0.018 χ^2/NDF:502883.2/6

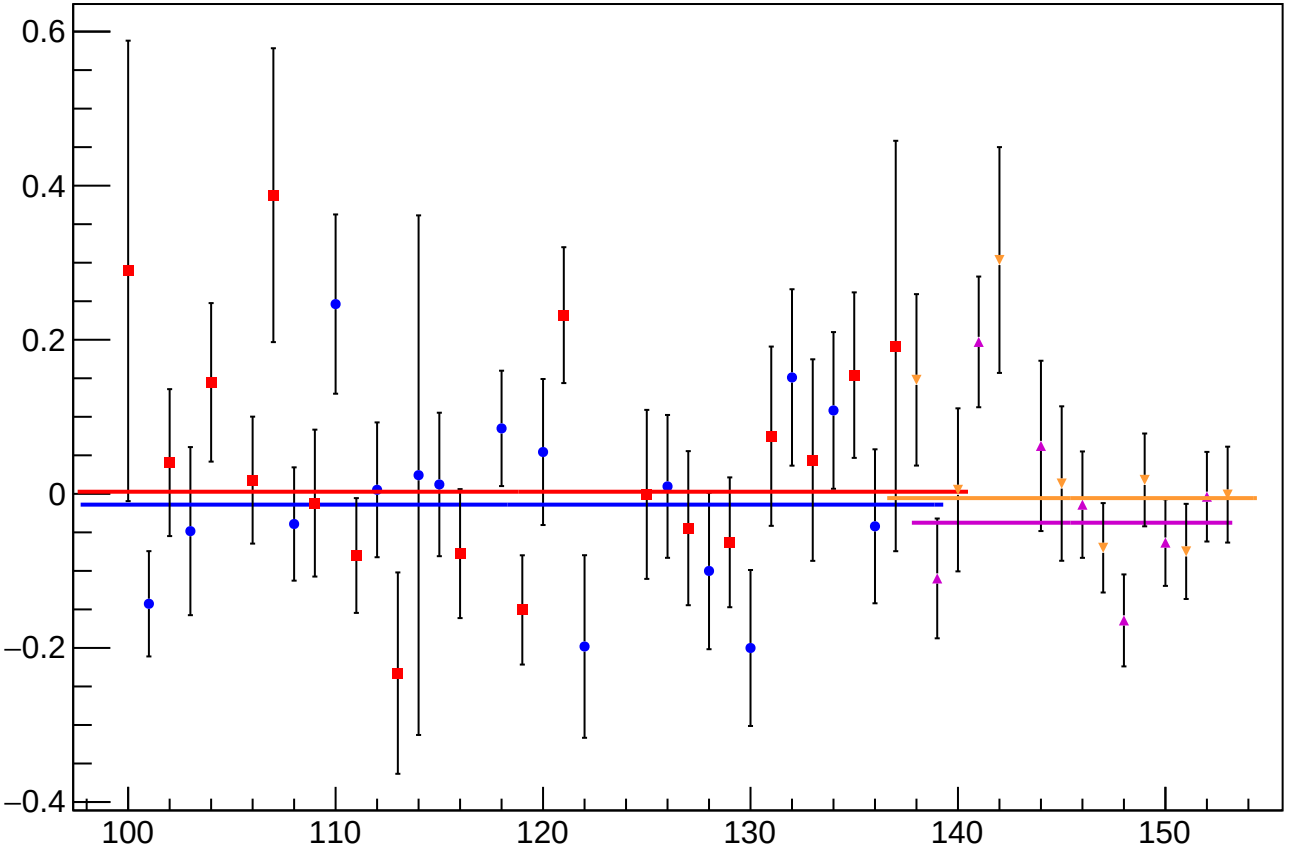
Left: 62.130+/-0.013 χ^2/NDF: 1215267.6/14

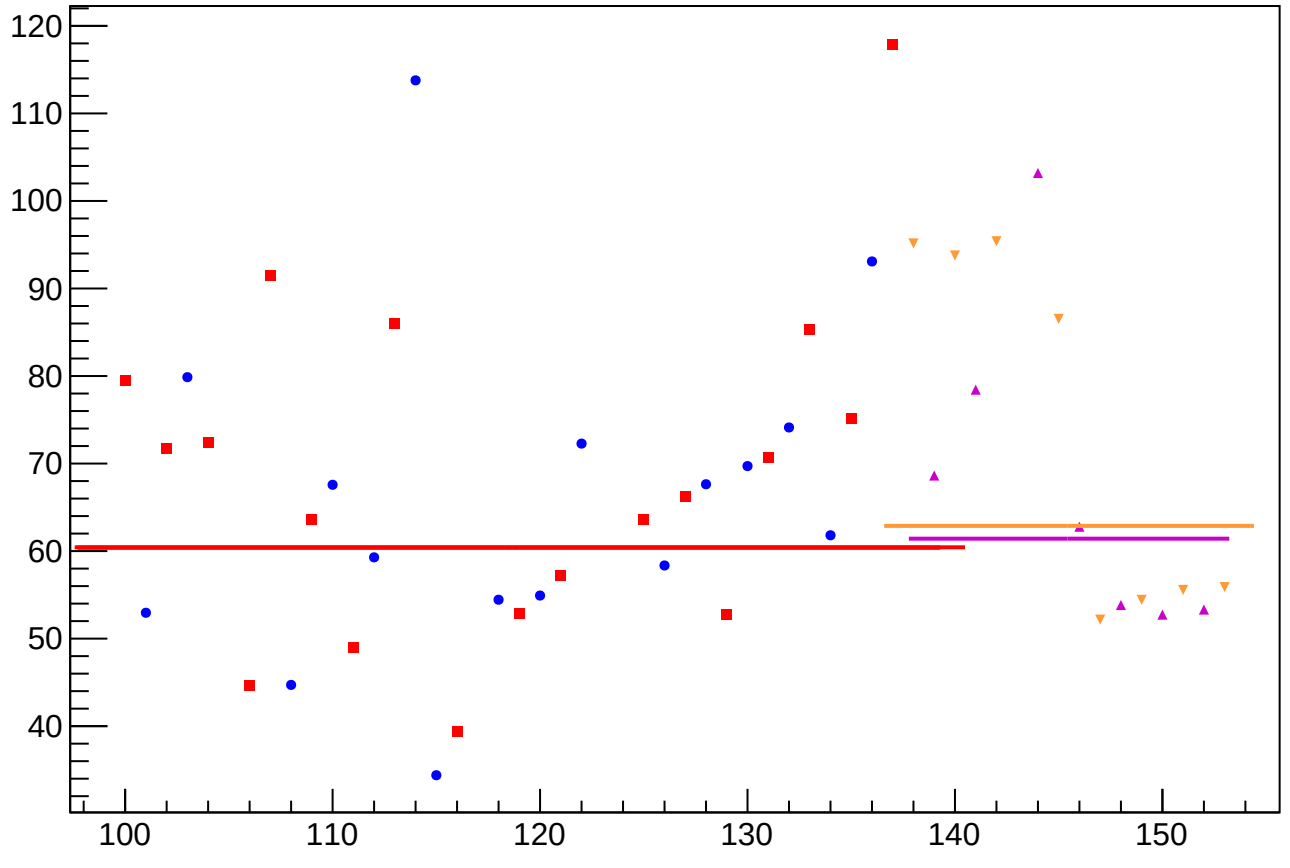
Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

In: 60.866+/-0.012 χ^2/NDF:1207732.8/22

Out: 61.519+/-0.013 χ^2/NDF:1429810.7/25

All: 61.189+/-0.009 χ^2/NDF: 2638909.6/48


asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
Right In: -0.014+/-0.024 χ²/NDF: 21.4/15
Left Out: -0.006+/-0.027 χ²/NDF:9.0/7
Right Out: 0.003+/-0.024 χ²/NDF: 27.8/17
Left In: -0.037+/-0.026 χ²/NDF:14.5/6
Left: -0.022+/-0.019 χ²/NDF: 24.3/14
Right: -0.006+/-0.017 χ²/NDF: 49.4/33
In: -0.025+/-0.018 χ²/NDF:36.3/22
Out: -0.001+/-0.018 χ²/NDF:36.9/25
All: -0.013+/-0.012 χ²/NDF: 74.1/48



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

Left Out: 62.880+/-0.019 χ^2/NDF:709292.7/7

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

Left In: 61.419+/-0.018 χ^2/NDF:502883.2/6

Left: 62.130+/-0.013 χ^2/NDF: 1215267.6/14

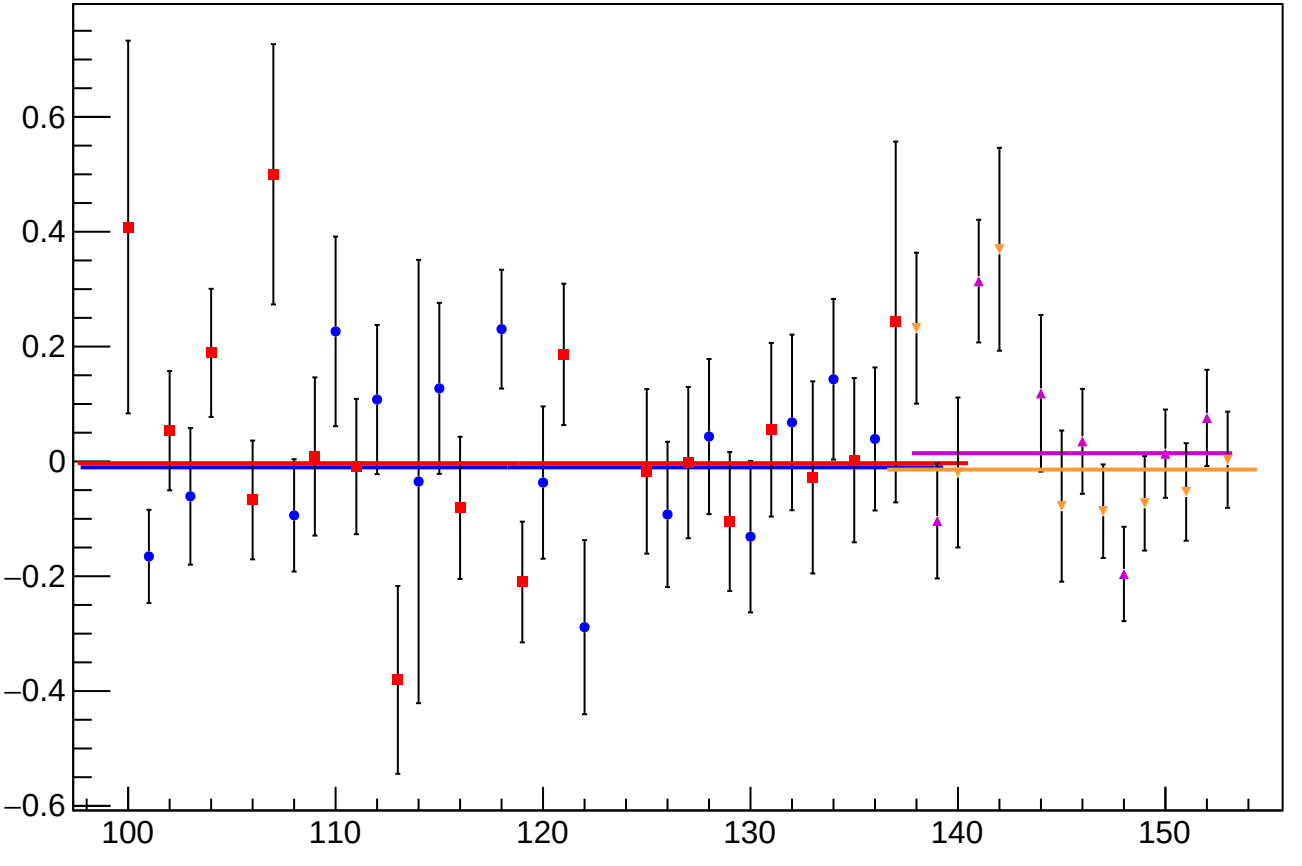
Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

In: 60.866+/-0.012 χ^2/NDF:1207732.8/22

Out: 61.519+/-0.013 χ^2/NDF:1429810.7/25

All: 61.189+/-0.009 χ^2/NDF: 2638909.6/48

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: -0.014+/-0.036 χ^2/NDF:10.0/7

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

Left In: 0.014+/-0.035 χ^2/NDF:17.0/6

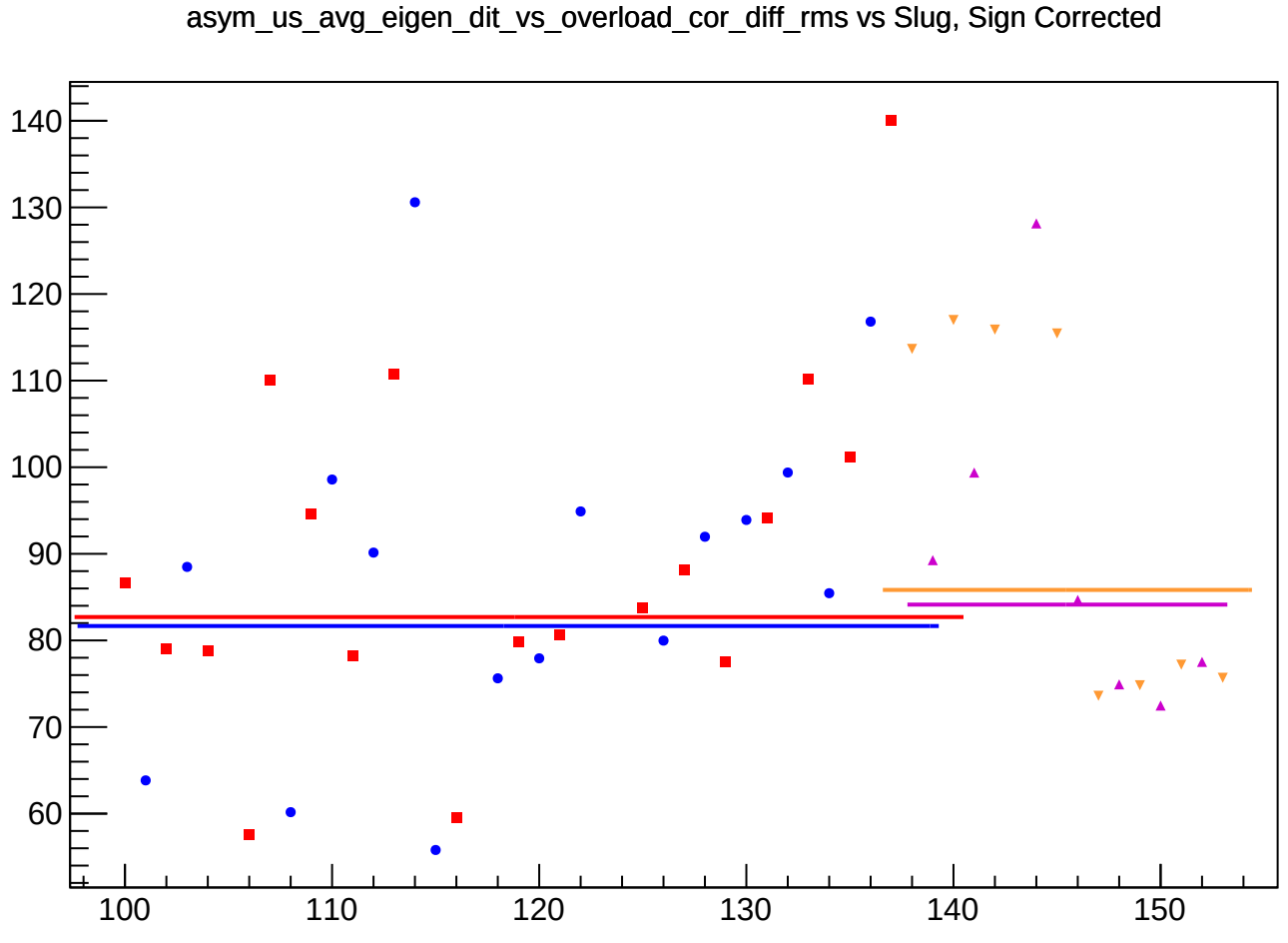
Left: 0.000+/-0.025 χ^2/NDF: 27.3/14

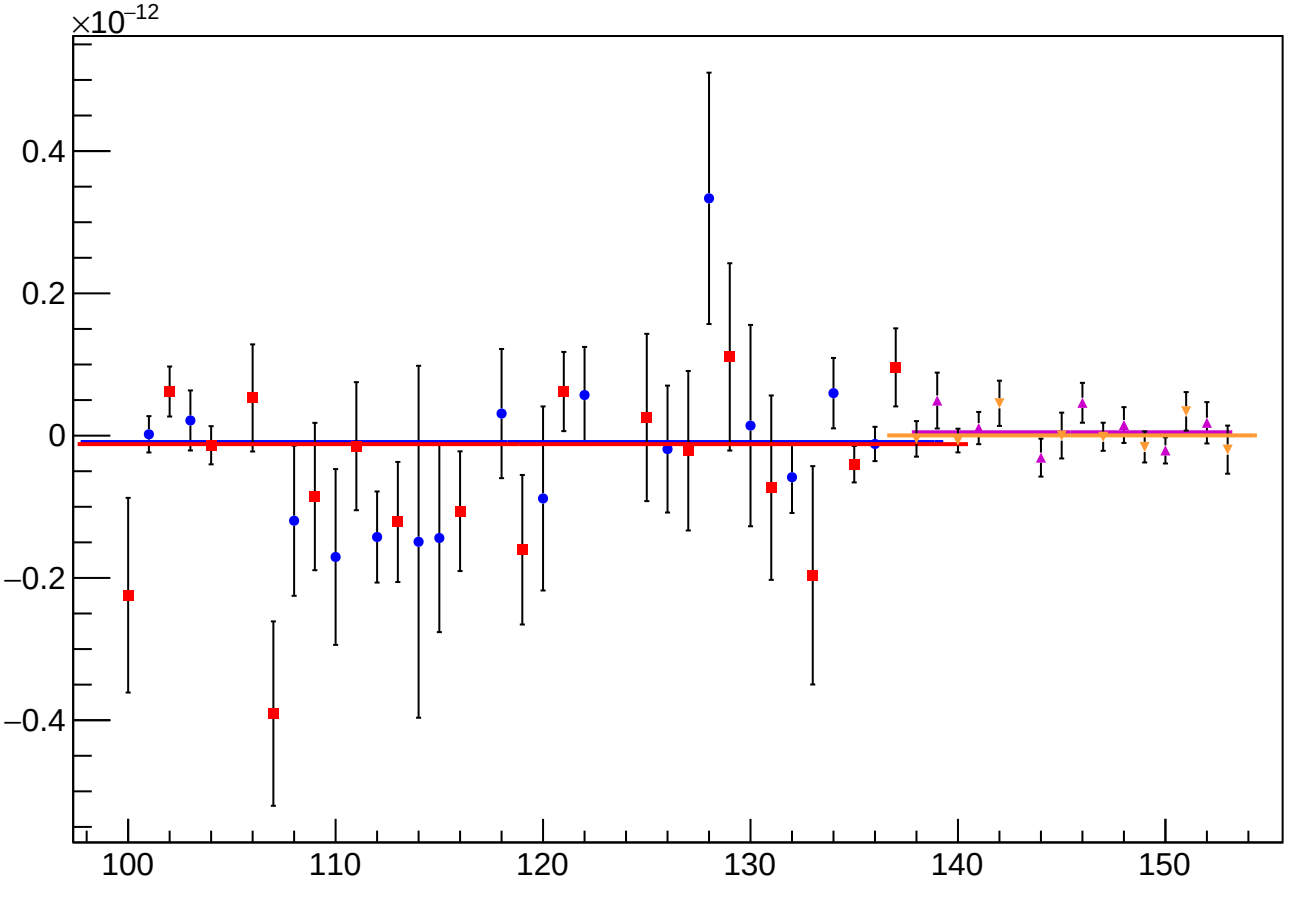
Right: -0.007+/-0.022 χ^2/NDF: 43.8/33

In: 0.001+/-0.023 χ^2/NDF:37.4/22

Out: -0.008+/-0.024 χ^2/NDF:33.7/25

All: -0.004+/-0.017 χ^2/NDF: 71.2/48


asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected
140
130
120
110
100
90
80
70
60
100
110
120
130
140
150
Right In: 81.663+/-0.022 χ²/NDF: 561836.4/15
Left Out: 85.831+/-0.025 χ²/NDF:493581.1/7
Right Out: 82.700+/-0.022 χ²/NDF: 473062.4/17
Left In: 84.136+/-0.025 χ²/NDF:337627.4/6
Left: 84.966+/-0.018 χ²/NDF: 833513.8/14
Right: 82.179+/-0.016 χ²/NDF: 1035971.3/33
In: 82.777+/-0.017 χ²/NDF:904979.3/22
Out: 84.084+/-0.017 χ²/NDF:975243.8/25
All: 83.423+/-0.012 χ²/NDF: 1883297.8/48



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

Left Out: 0.000+/-0.000 χ^2/NDF:4.7/7

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

Left In: 0.000+/-0.000 χ^2/NDF:7.6/6

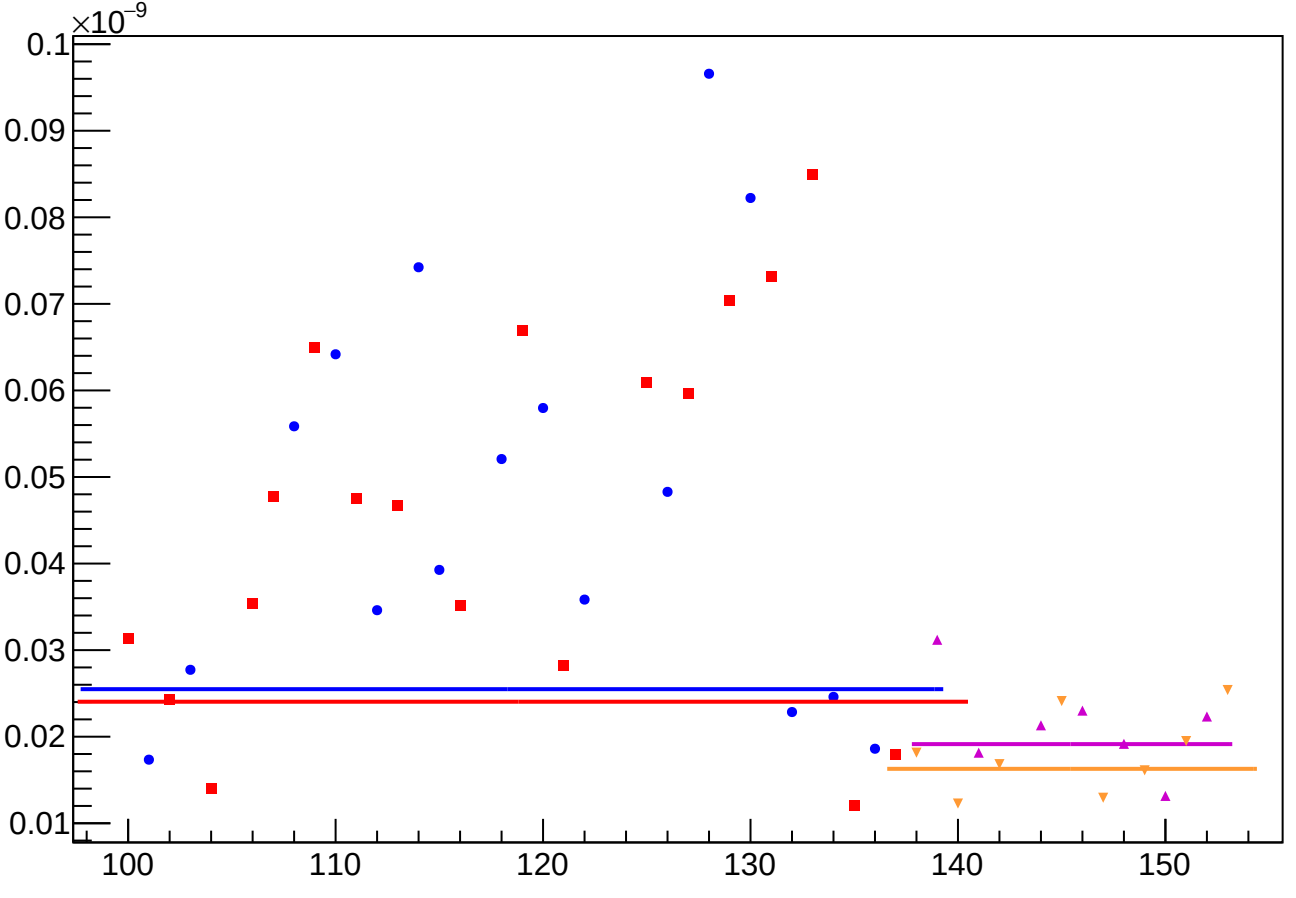
Left: 0.000+/-0.000 χ^2/NDF: 12.5/14

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

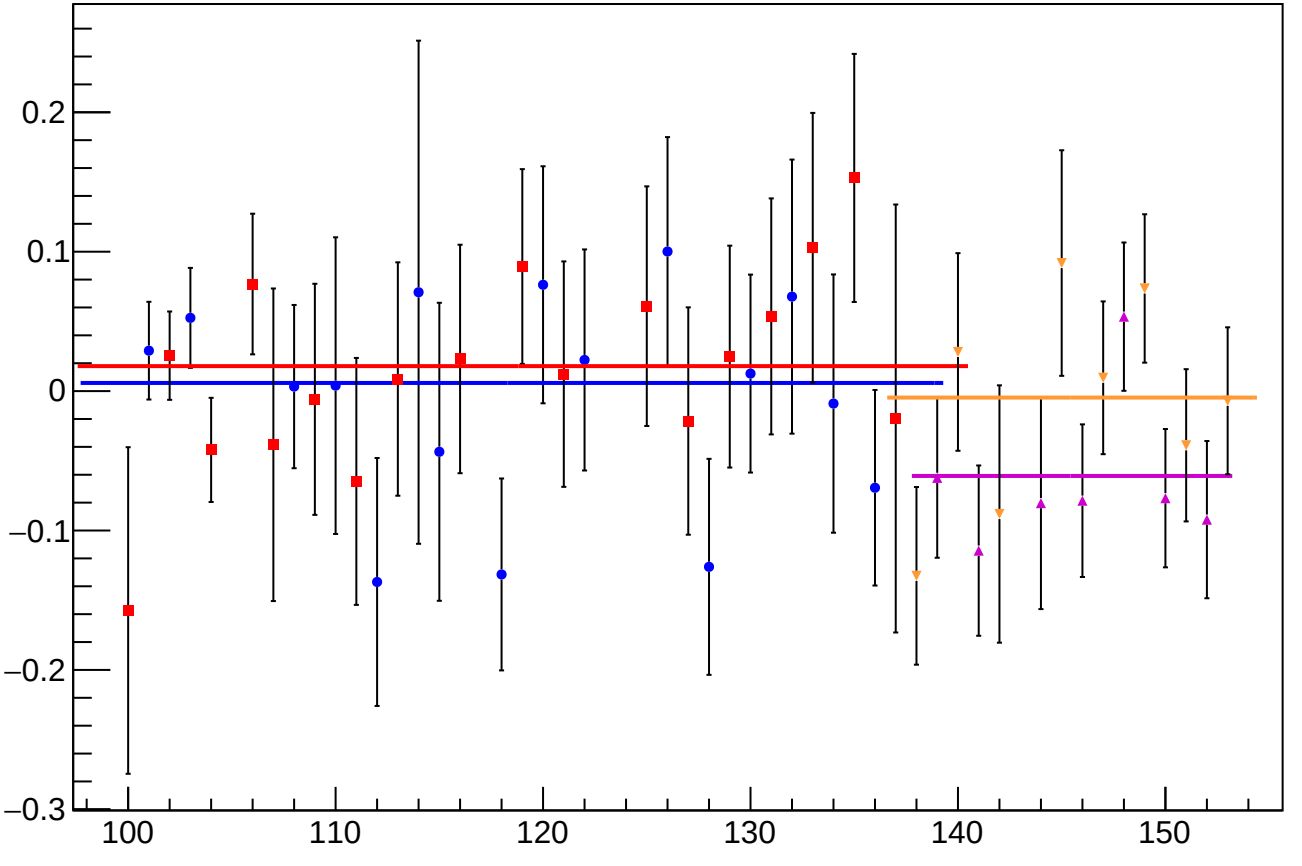
In: 0.000+/-0.000 χ^2/NDF:25.8/22

Out: -0.000+/-0.000 χ^2/NDF:36.4/25

All: -0.000+/-0.000 χ^2/NDF: 62.2/48


asym_us_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1999848.1/15
Left Out: 0.000+/-0.000 χ²/NDF:476387.5/7
Right Out: 0.000+/-0.000 χ²/NDF: 3084598.6/17
Left In: 0.000+/-0.000 χ²/NDF:479475.2/6
Left: 0.000+/-0.000 χ²/NDF: 1056505.6/14
Right: 0.000+/-0.000 χ²/NDF: 5096304.5/33
In: 0.000+/-0.000 χ²/NDF:2781735.2/22
Out: 0.000+/-0.000 χ²/NDF:4040705.0/25
All: 0.000+/-0.000 χ²/NDF: 6966416.8/48

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.005+/-0.022 χ^2/NDF:9.1/7

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

Left In: -0.061+/-0.022 χ^2/NDF:6.0/6

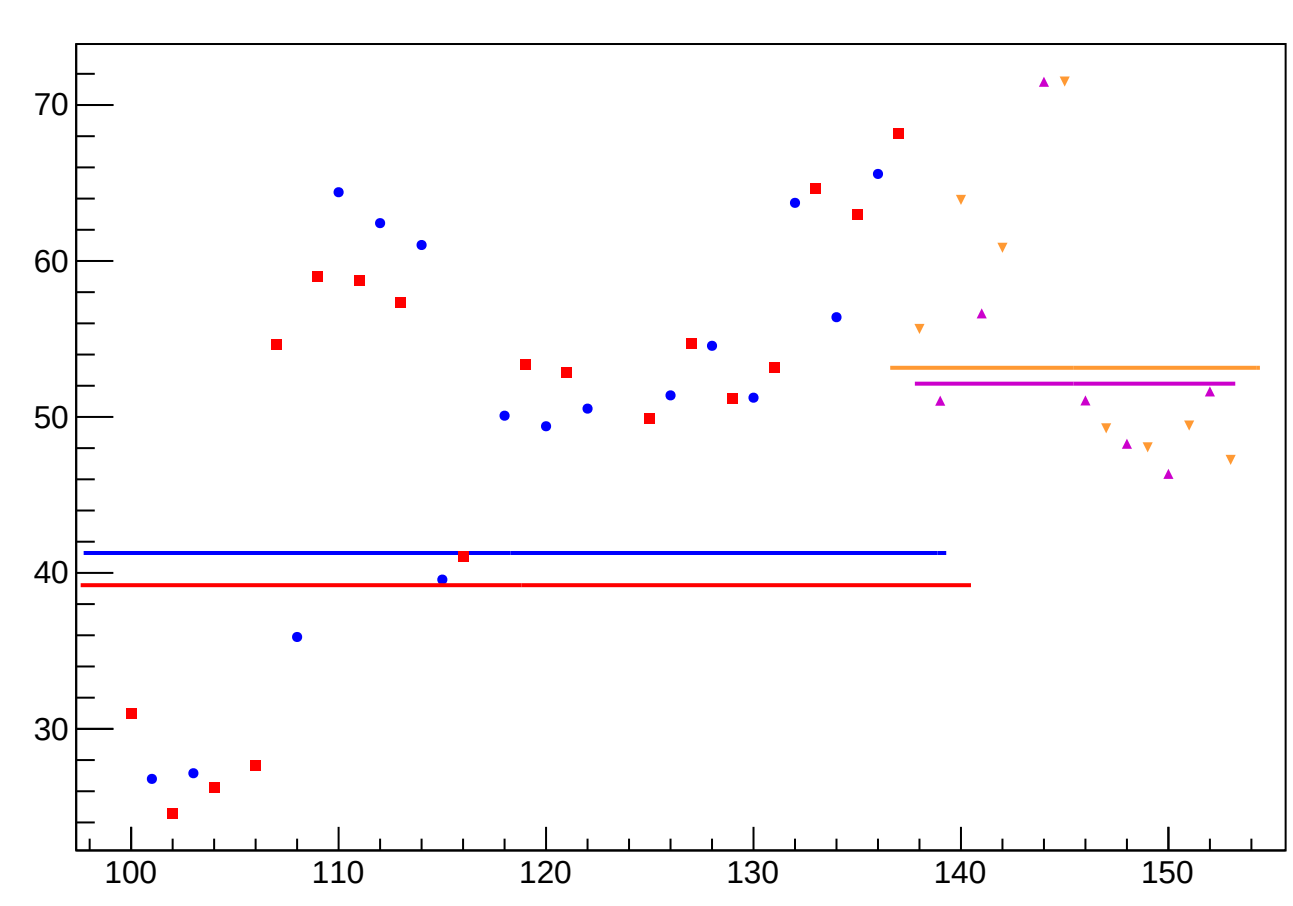
Left: -0.033+/-0.015 χ^2/NDF: 18.4/14

Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.019+/-0.013 χ^2/NDF:27.6/22

Out: 0.010+/-0.013 χ^2/NDF:22.1/25

All: -0.004+/-0.009 χ^2/NDF: 52.2/48



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

Left Out: 53.152+/-0.015 χ^2/NDF:228729.4/7

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

Left In: 52.133+/-0.015 χ^2/NDF:179835.4/6

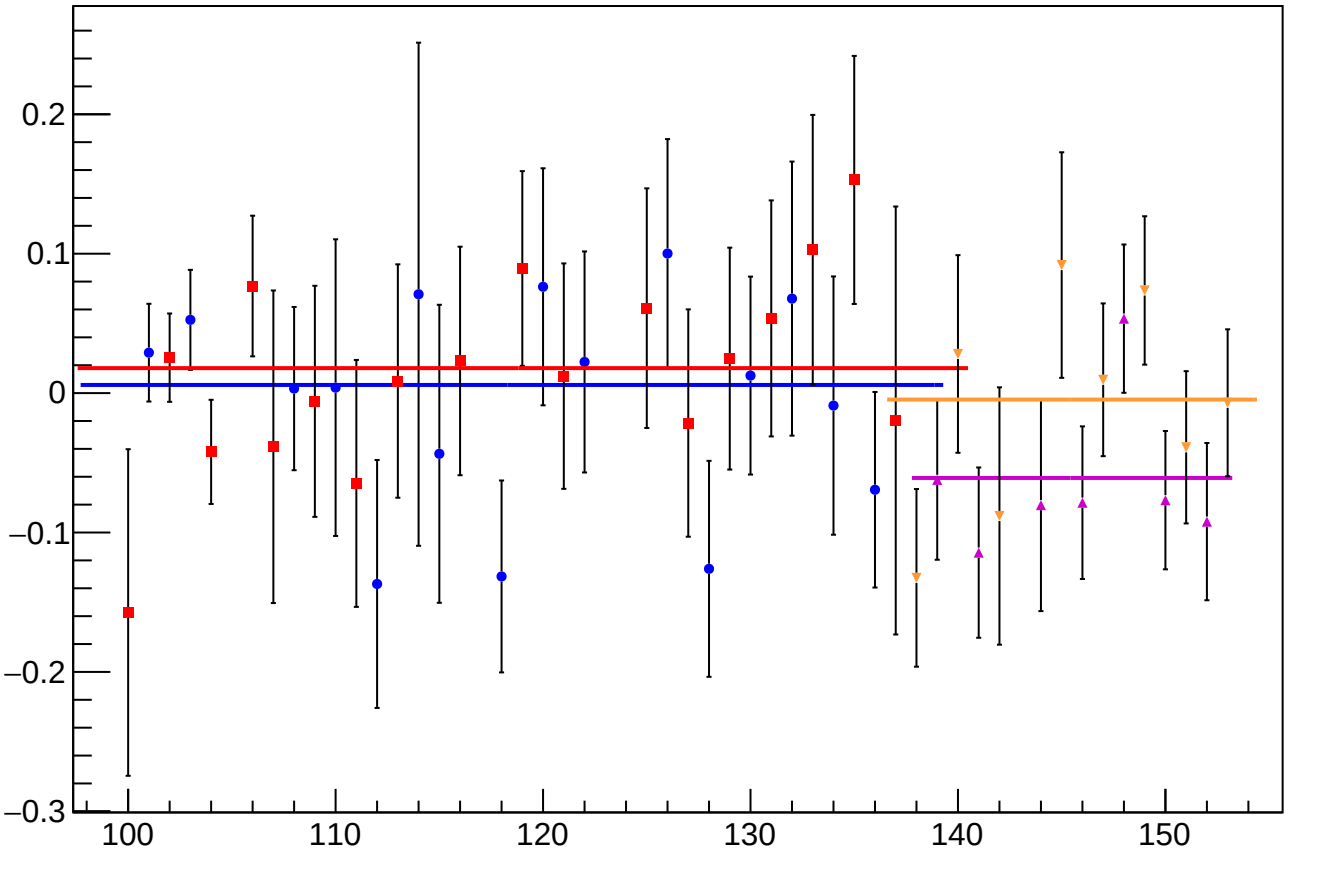
Left: 52.636+/-0.011 χ^2/NDF: 410769.0/14

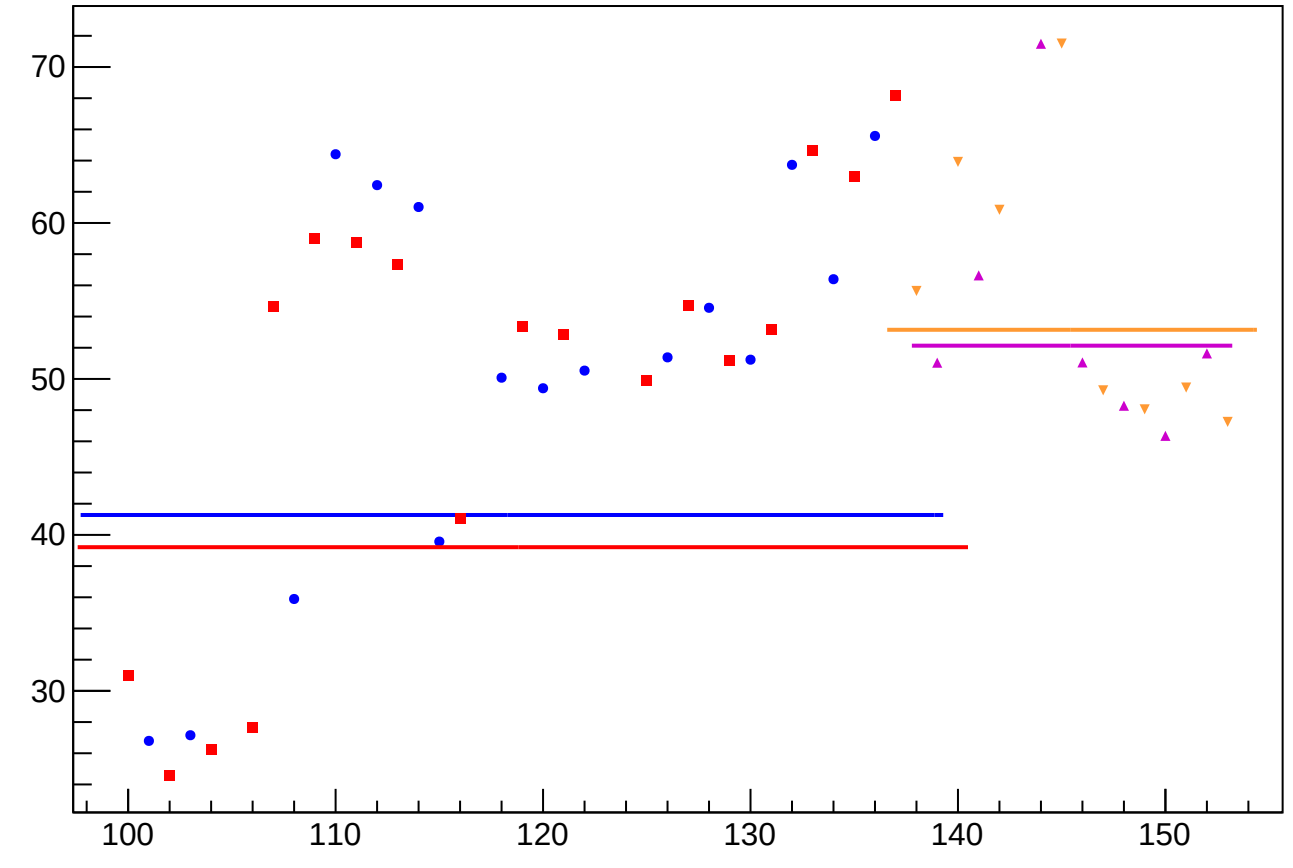
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

In: 45.297+/-0.009 χ^2/NDF:2004733.6/22

Out: 43.976+/-0.009 χ^2/NDF:2585135.3/25

All: 44.619+/-0.006 χ^2/NDF: 4600295.5/48


asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
Right In: 0.006+/-0.017 χ²/NDF: 15.6/15
Left Out: -0.005+/-0.022 χ²/NDF:9.1/7
Right Out: 0.018+/-0.016 χ²/NDF: 12.3/17
Left In: -0.061+/-0.022 χ²/NDF:6.0/6
Left: -0.033+/-0.015 χ²/NDF: 18.4/14
Right: 0.012+/-0.011 χ²/NDF: 28.2/33
In: -0.019+/-0.013 χ²/NDF:27.6/22
Out: 0.010+/-0.013 χ²/NDF:22.1/25
All: -0.004+/-0.009 χ²/NDF: 52.2/48



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

Left Out: 53.152+/-0.015 χ^2/NDF:228729.4/7

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

Left In: 52.133+/-0.015 χ^2/NDF:179835.4/6

Left: 52.636+/-0.011 χ^2/NDF: 410769.0/14

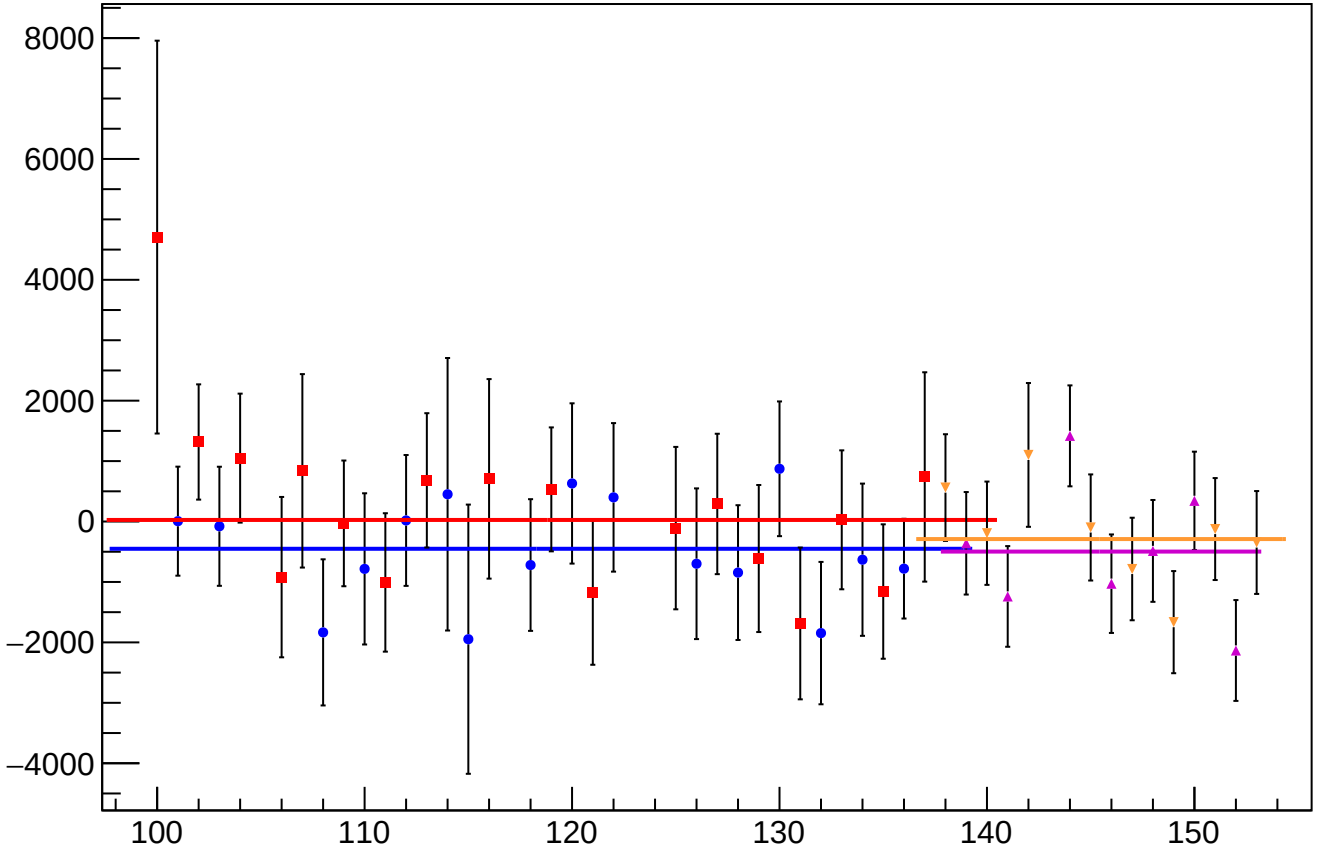
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

In: 45.297+/-0.009 χ^2/NDF:2004733.6/22

Out: 43.976+/-0.009 χ^2/NDF:2585135.3/25

All: 44.619+/-0.006 χ^2/NDF: 4600295.5/48

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -290.204+/-312.639 χ^2/NDF:5.4/7

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

Left In: -497.306+/-314.246 χ^2/NDF:11.4/6

Left: -393.224+/-221.635 χ^2/NDF: 17.0/14

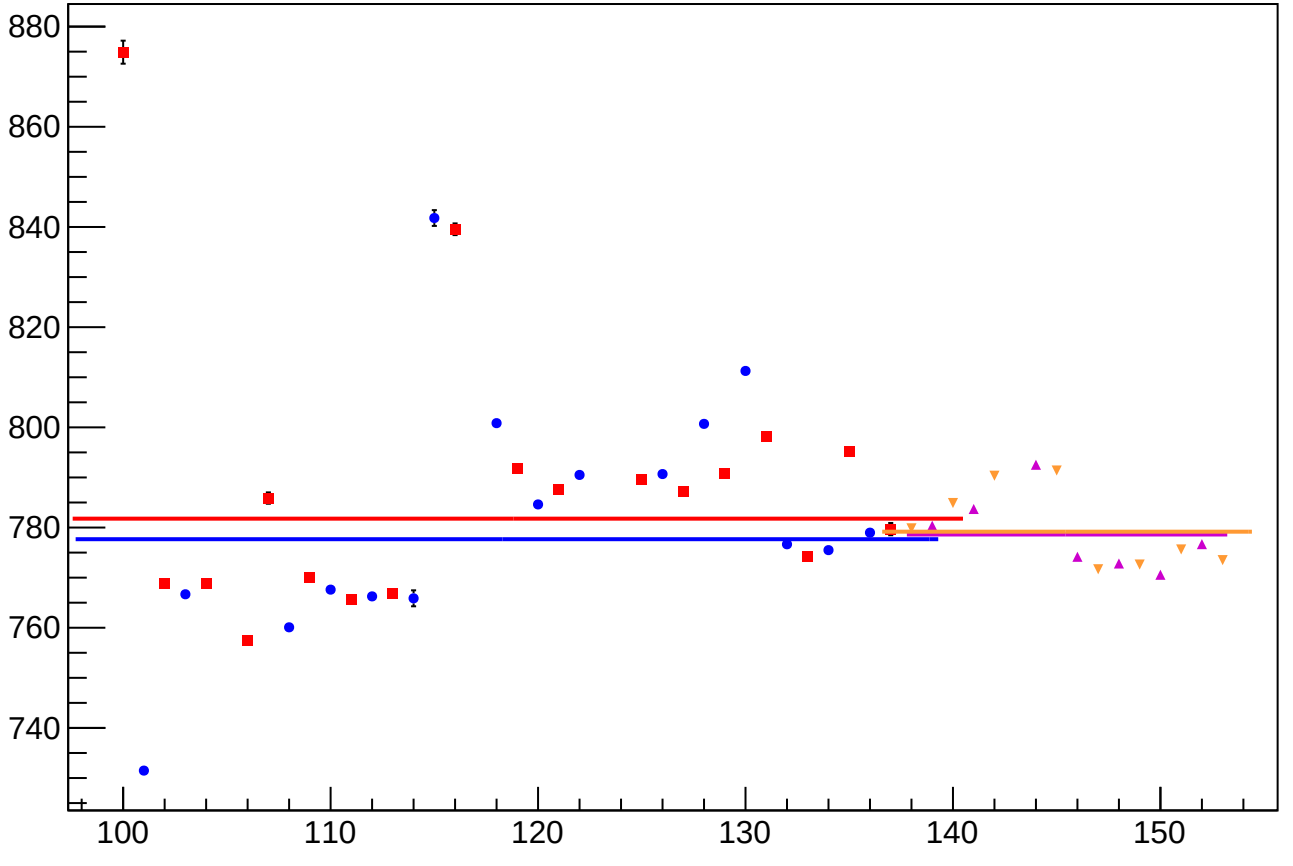
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -472.189+/-212.700 χ^2/NDF:18.4/22

Out: -119.142+/-211.854 χ^2/NDF:17.6/25

All: -294.962+/-150.102 χ^2/NDF: 37.4/48

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 779.175+/-0.221 χ^2/NDF:1055.2/7

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

Left In: 778.614+/-0.222 χ^2/NDF:998.9/6

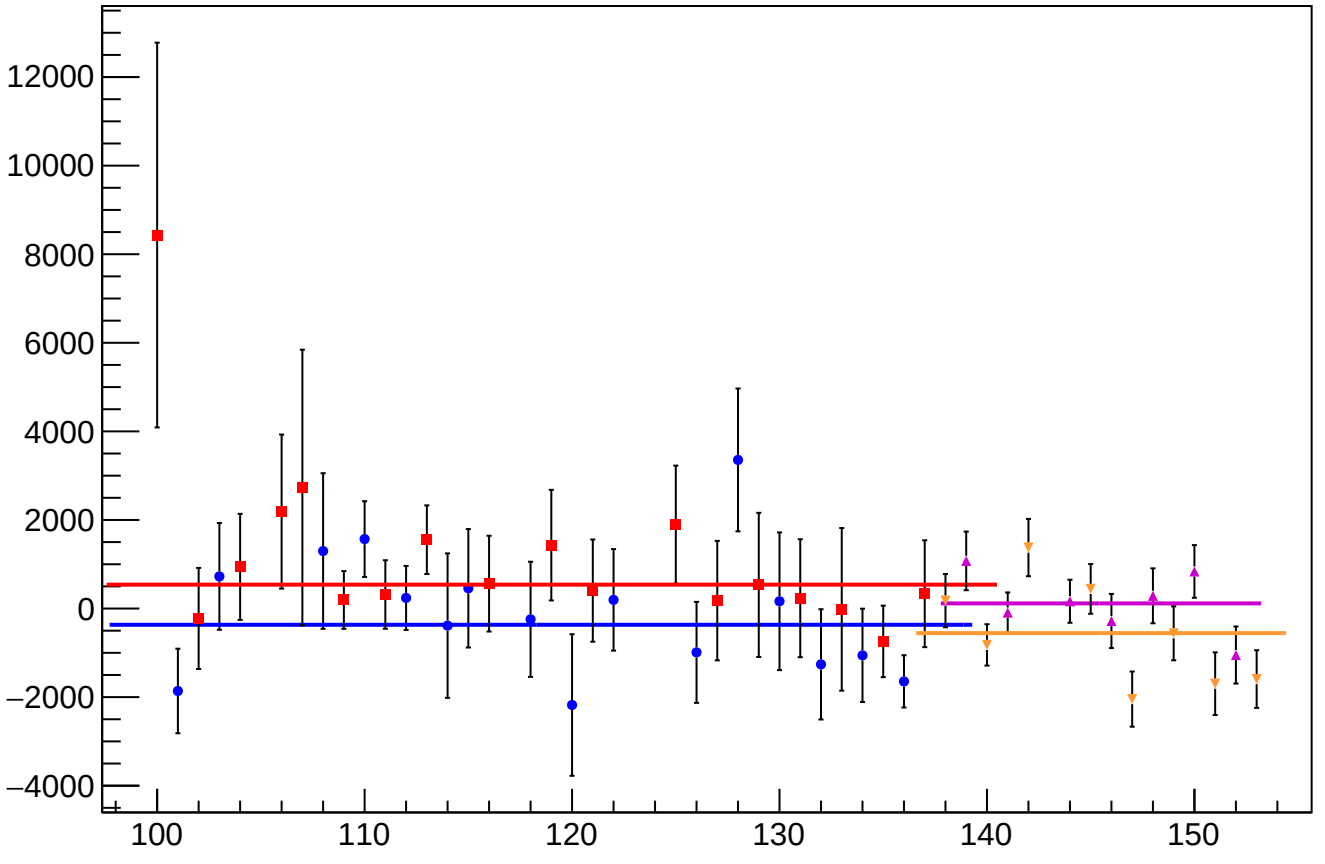
Left: 778.896+/-0.157 χ^2/NDF: 2057.4/14

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

In: 778.105+/-0.150 χ^2/NDF:13064.0/22

Out: 780.582+/-0.150 χ^2/NDF:8756.4/25

All: 779.348+/-0.106 χ^2/NDF: 21956.6/48



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

Left Out: -554.833+/-210.591 χ^2/NDF:24.8/7

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

Left In: 116.183+/-213.797 χ^2/NDF:7.6/6

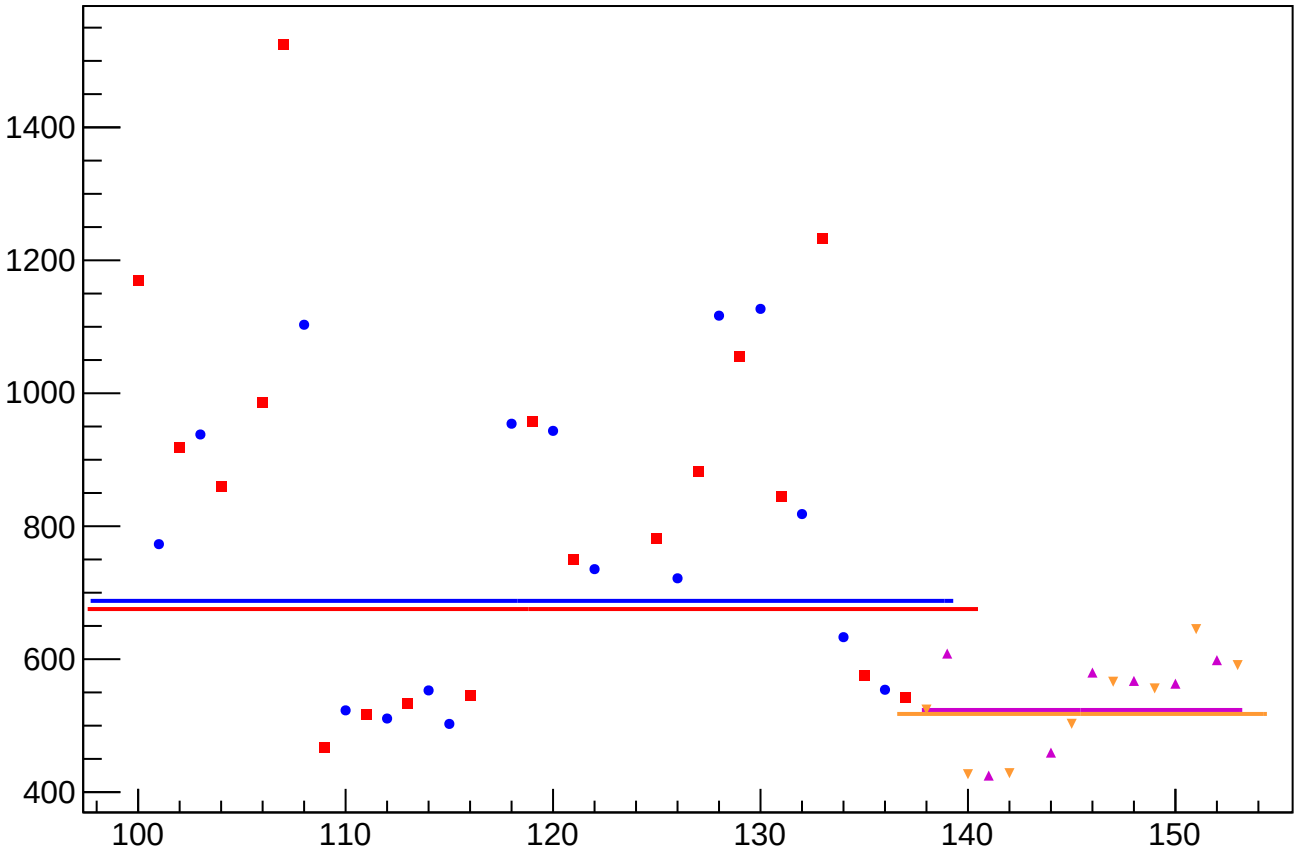
Left: -224.395+/-150.031 χ^2/NDF: 37.3/14

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

In: -72.852+/-166.814 χ^2/NDF:32.9/22

Out: -127.360+/-164.363 χ^2/NDF:47.0/25

All: -100.509+/-117.079 χ^2/NDF: 79.9/48



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

Left Out: 517.629+/-0.149 χ^2/NDF:225548.2/7

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

Left In: 523.607+/-0.151 χ^2/NDF:225089.4/6

Left: 520.573+/-0.106 χ^2/NDF: 451431.1/14

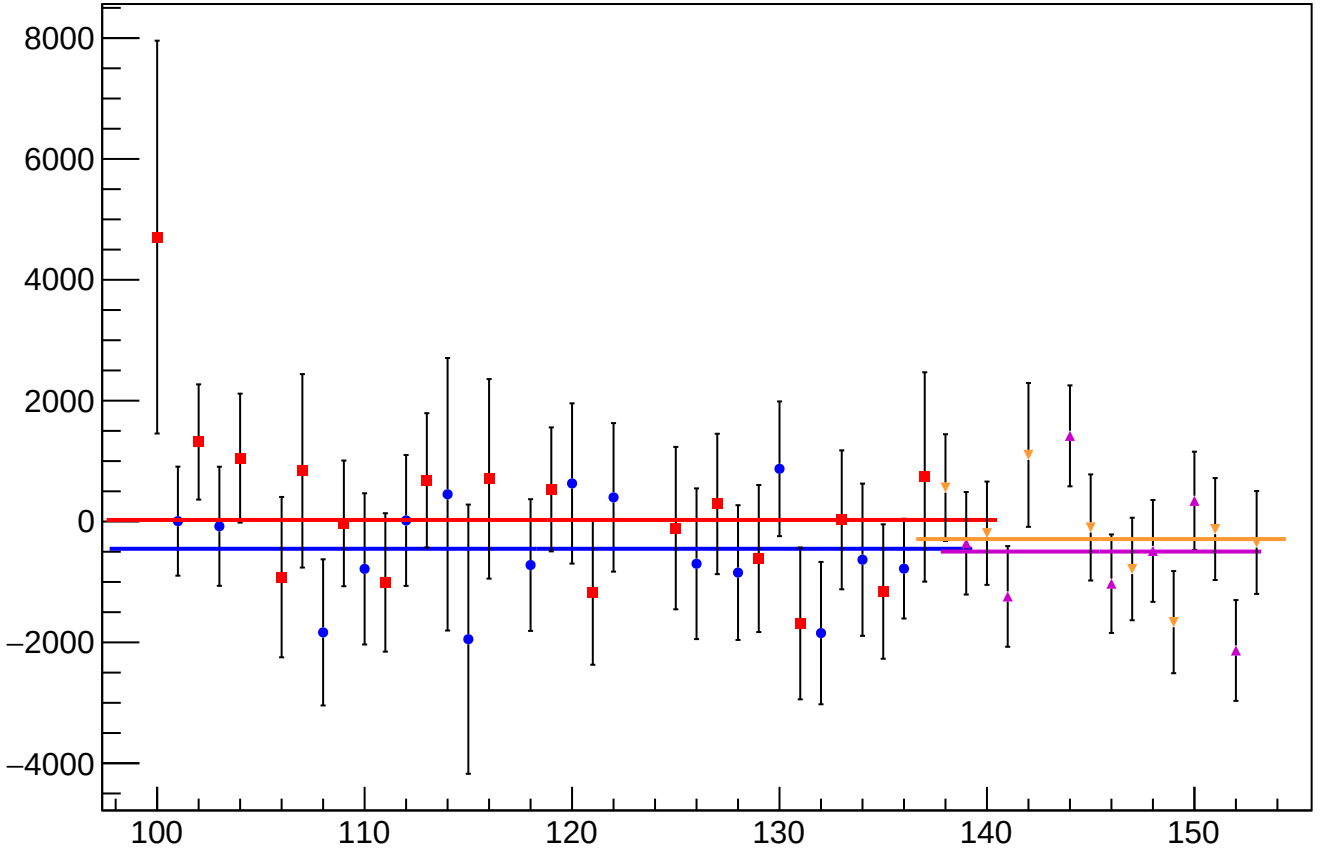
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 587.810+/-0.118 χ^2/NDF:1718015.2/22

Out: 579.297+/-0.116 χ^2/NDF:1977346.9/25

All: 583.490+/-0.083 χ^2/NDF: 3698005.4/48

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -290.204+/-312.639 χ^2/NDF:5.4/7

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

Left In: -497.306+/-314.246 χ^2/NDF:11.4/6

Left: -393.224+/-221.635 χ^2/NDF: 17.0/14

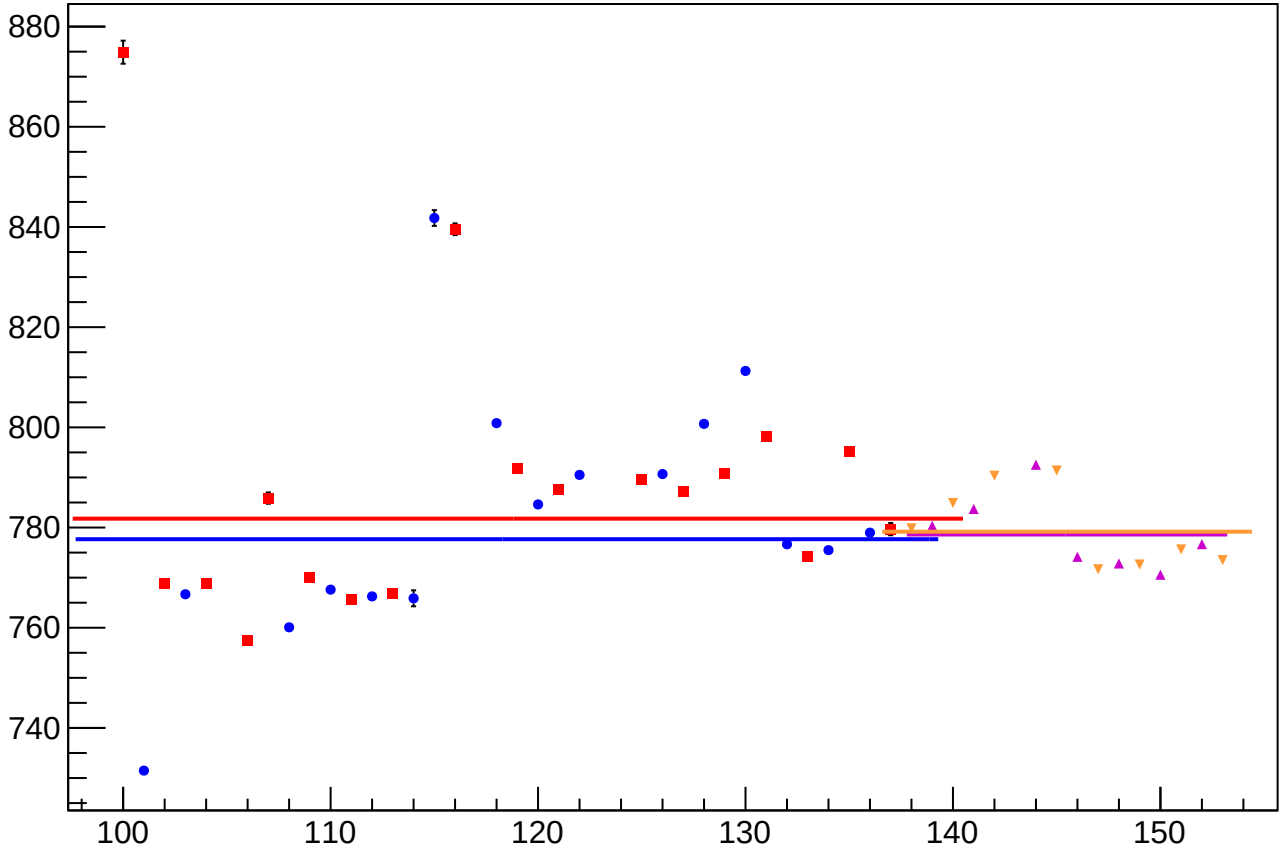
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -472.189+/-212.700 χ^2/NDF:18.4/22

Out: -119.142+/-211.854 χ^2/NDF:17.6/25

All: -294.962+/-150.102 χ^2/NDF: 37.4/48

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 779.175+/-0.221 χ^2/NDF:1055.2/7

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

Left In: 778.614+/-0.222 χ^2/NDF:998.9/6

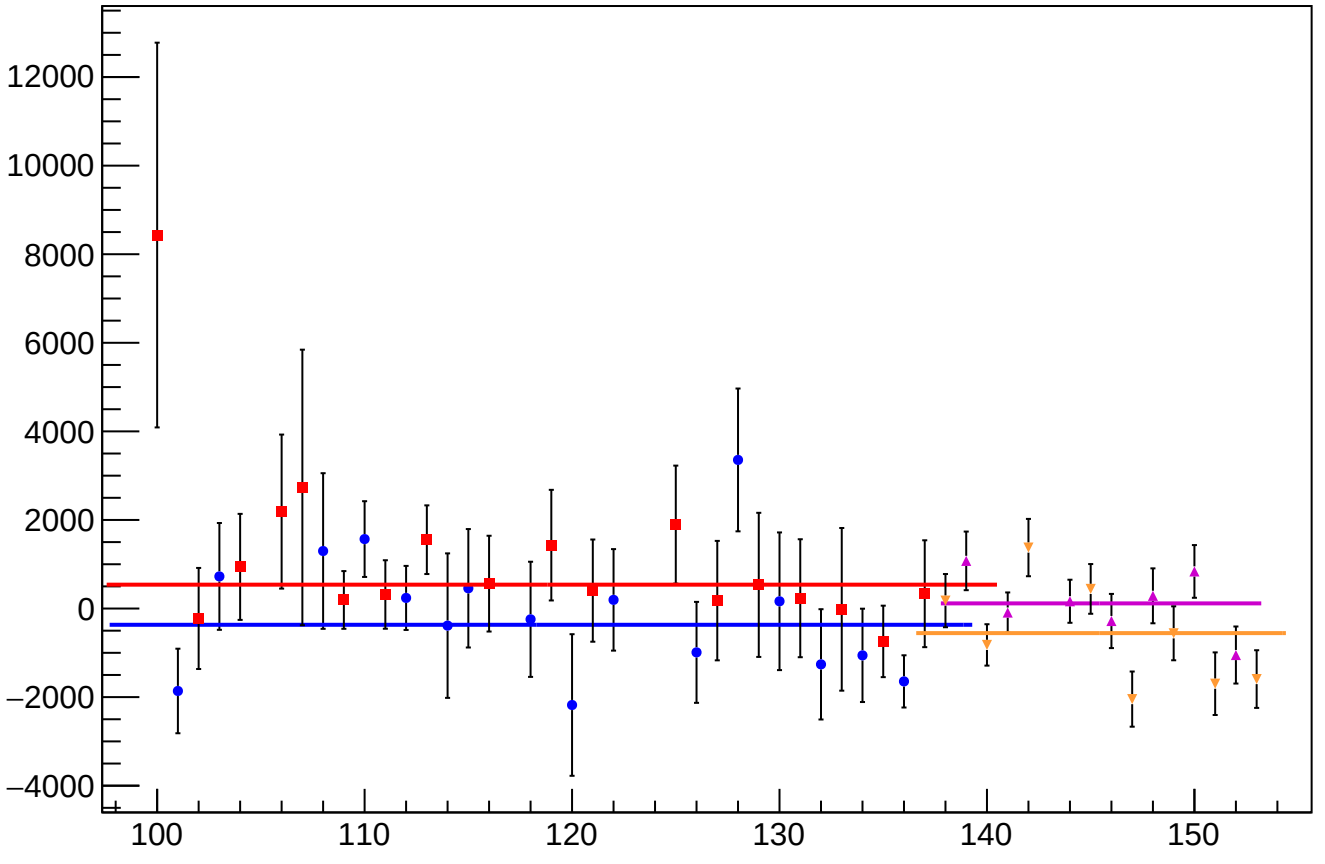
Left: 778.896+/-0.157 χ^2/NDF: 2057.4/14

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

In: 778.105+/-0.150 χ^2/NDF:13064.0/22

Out: 780.582+/-0.150 χ^2/NDF:8756.4/25

All: 779.348+/-0.106 χ^2/NDF: 21956.6/48



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

Left Out: -554.833+/-210.591 χ^2/NDF:24.8/7

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

Left In: 116.183+/-213.797 χ^2/NDF:7.6/6

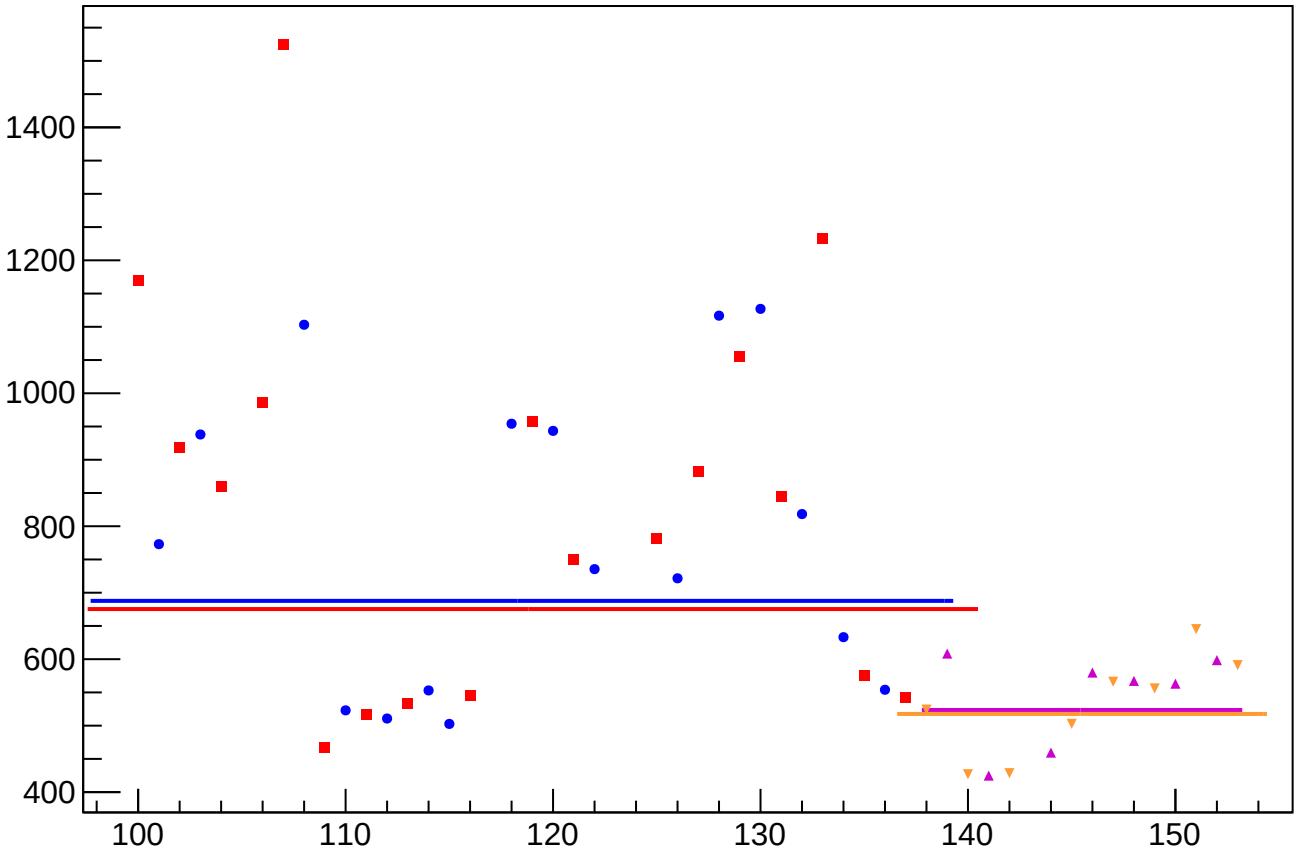
Left: -224.395+/-150.031 χ^2/NDF: 37.3/14

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

In: -72.852+/-166.814 χ^2/NDF:32.9/22

Out: -127.360+/-164.363 χ^2/NDF:47.0/25

All: -100.509+/-117.079 χ^2/NDF: 79.9/48



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

Left Out: 517.629+/-0.149 χ^2/NDF:225548.2/7

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

Left In: 523.607+/-0.151 χ^2/NDF:225089.4/6

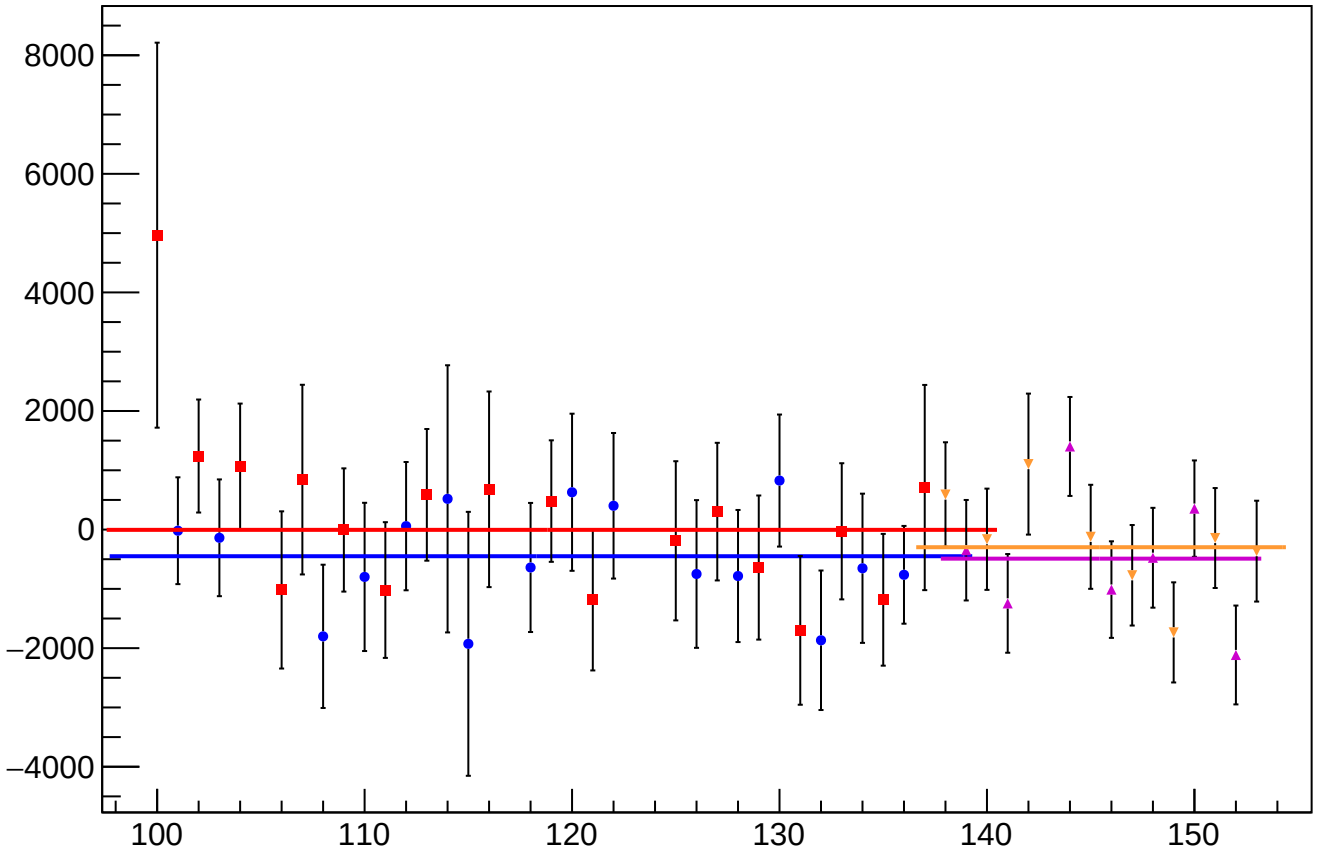
Left: 520.573+/-0.106 χ^2/NDF: 451431.1/14

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

In: 587.810+/-0.118 χ^2/NDF:1718015.2/22

Out: 579.297+/-0.116 χ^2/NDF:1977346.9/25

All: 583.490+/-0.083 χ^2/NDF: 3698005.4/48



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

Left Out: -297.524+/-312.365 χ^2/NDF:5.7/7

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

Left In: -490.390+/-313.993 χ^2/NDF:11.3/6

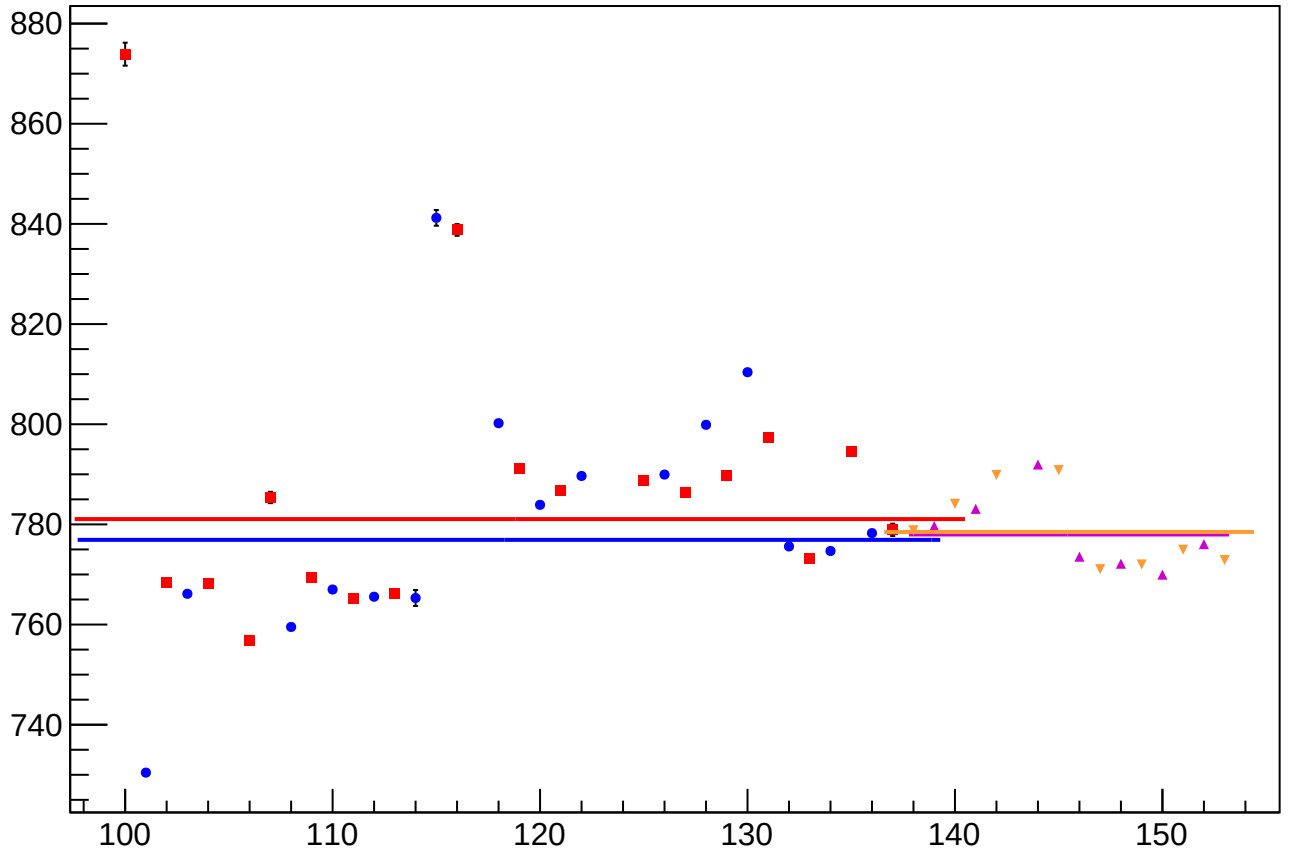
Left: -393.456+/-221.449 χ^2/NDF: 17.2/14

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

In: -468.192+/-212.509 χ^2/NDF:18.0/22

Out: -139.124+/-211.664 χ^2/NDF:18.0/25

All: -303.002+/-149.967 χ^2/NDF: 37.3/48



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

Left Out: 778.492+/-0.221 χ^2/NDF:1060.3/7

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

Left In: 777.986+/-0.222 χ^2/NDF:1004.4/6

Left: 778.240+/-0.157 χ^2/NDF: 2067.3/14

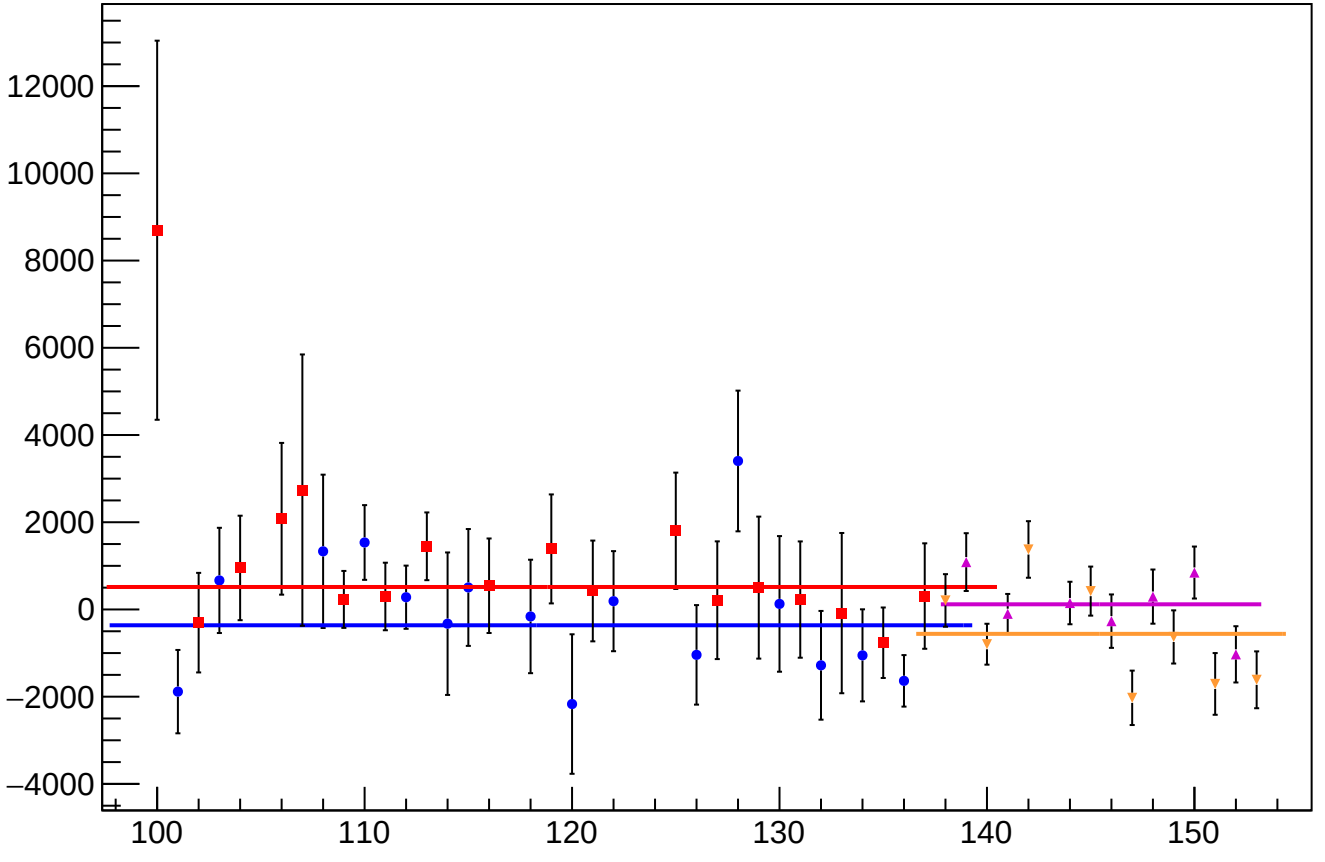
Right: 778.993+/-0.144 χ^2/NDF: 19916.4/33

In: 777.404+/-0.150 χ^2/NDF:13140.6/22

Out: 779.881+/-0.150 χ^2/NDF:8719.2/25

All: 778.648+/-0.106 χ^2/NDF: 21996.3/48

asym_us_dd_overload_cor_correction_mean vs Slug, Sign Corrected



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

Left Out: -559.514+/-211.044 χ^2/NDF:24.6/7

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

Left In: 118.136+/-214.196 χ^2/NDF:7.5/6

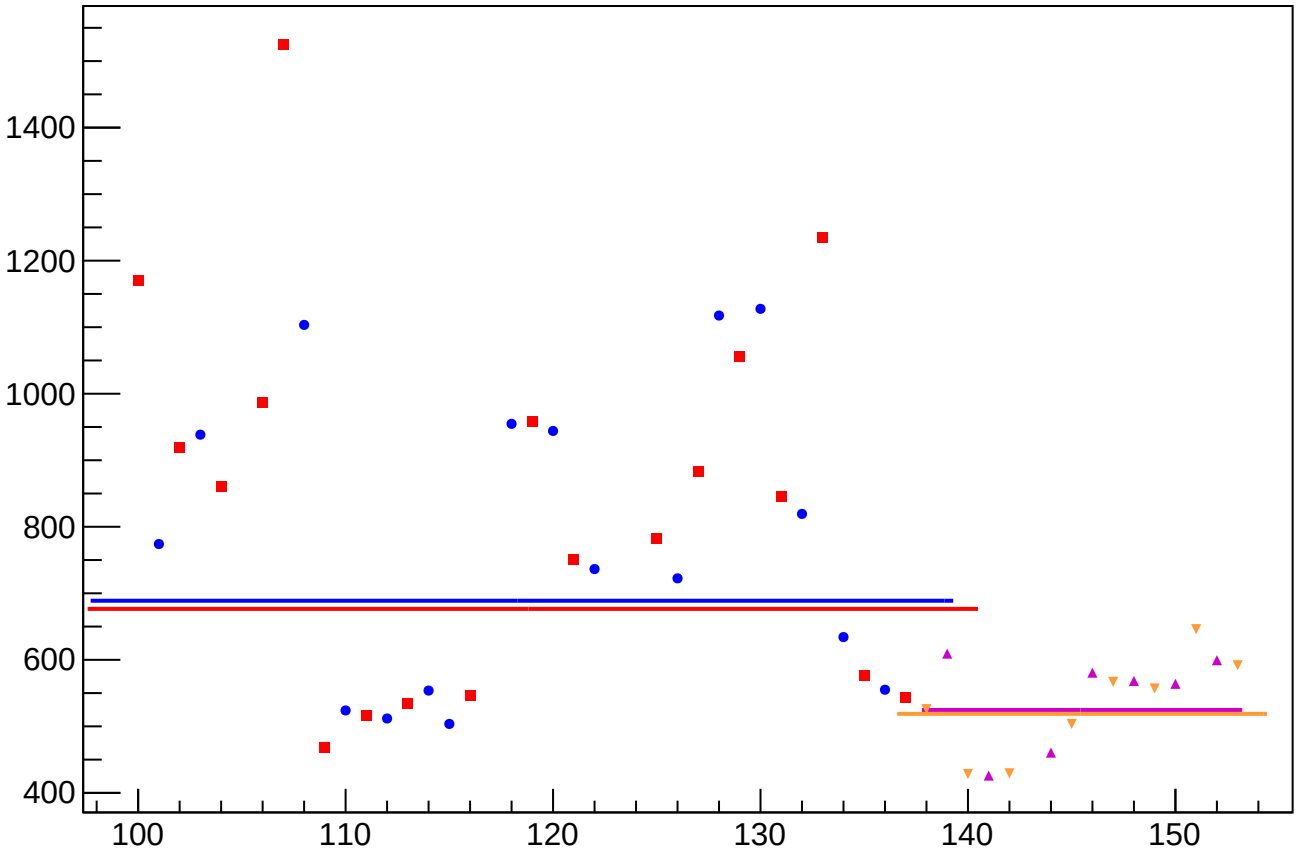
Left: -225.712+/-150.333 χ^2/NDF: 37.2/14

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

In: -70.115+/-167.098 χ^2/NDF:32.8/22

Out: -139.101+/-164.675 χ^2/NDF:46.1/25

All: -105.112+/-117.290 χ^2/NDF: 79.1/48



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

Left Out: 518.806+/-0.149 χ^2/NDF:223518.5/7

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

Left In: 524.625+/-0.151 χ^2/NDF:223531.0/6

Left: 521.673+/-0.106 χ^2/NDF: 447798.5/14

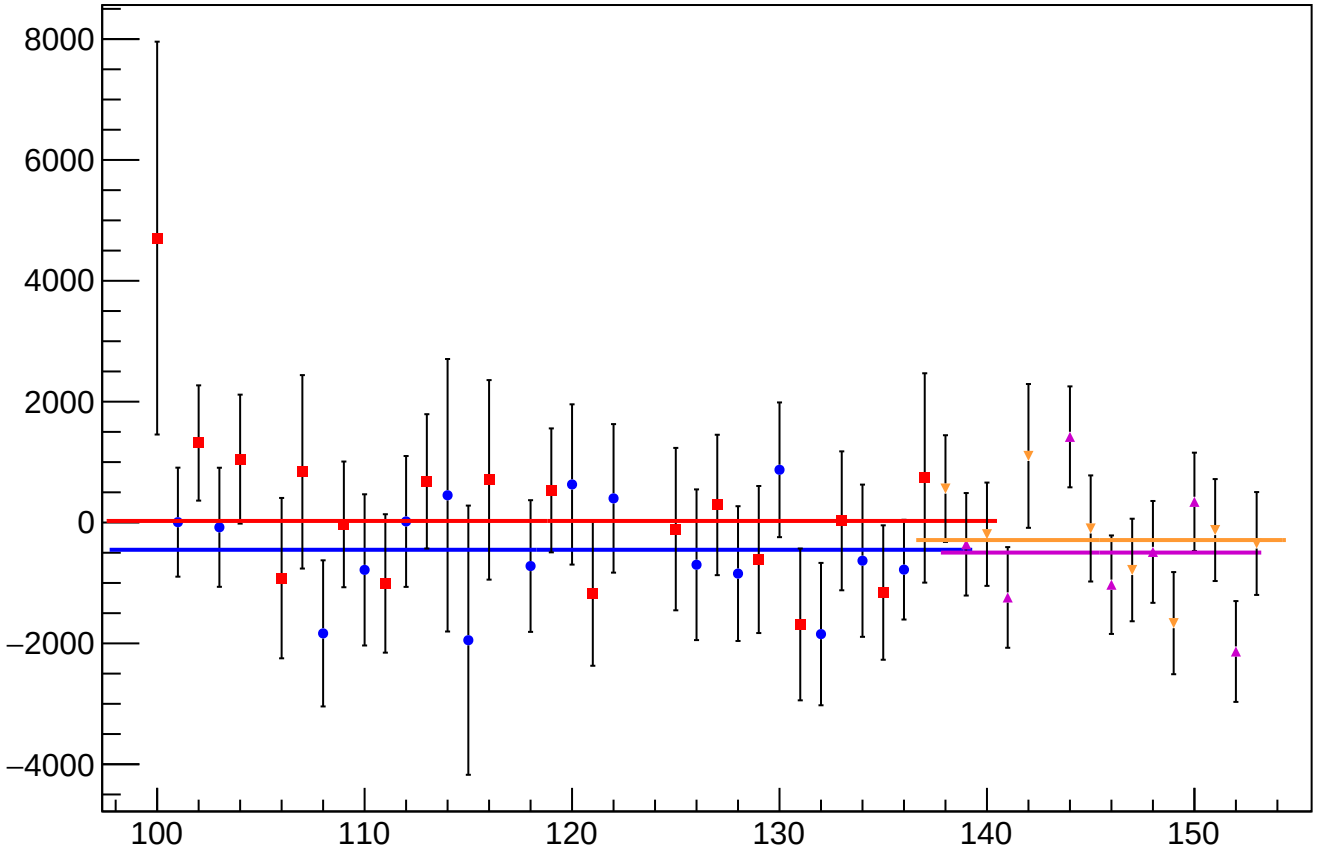
Right: 682.613+/-0.133 χ^2/NDF: 2338290.5/33

In: 588.897+/-0.118 χ^2/NDF:1711706.7/22

Out: 580.517+/-0.116 χ^2/NDF:1968731.5/25

All: 584.646+/-0.083 χ^2/NDF: 3682990.5/48

eigen_cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -290.204+/-312.639 χ^2/NDF:5.4/7

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

Left In: -497.306+/-314.246 χ^2/NDF:11.4/6

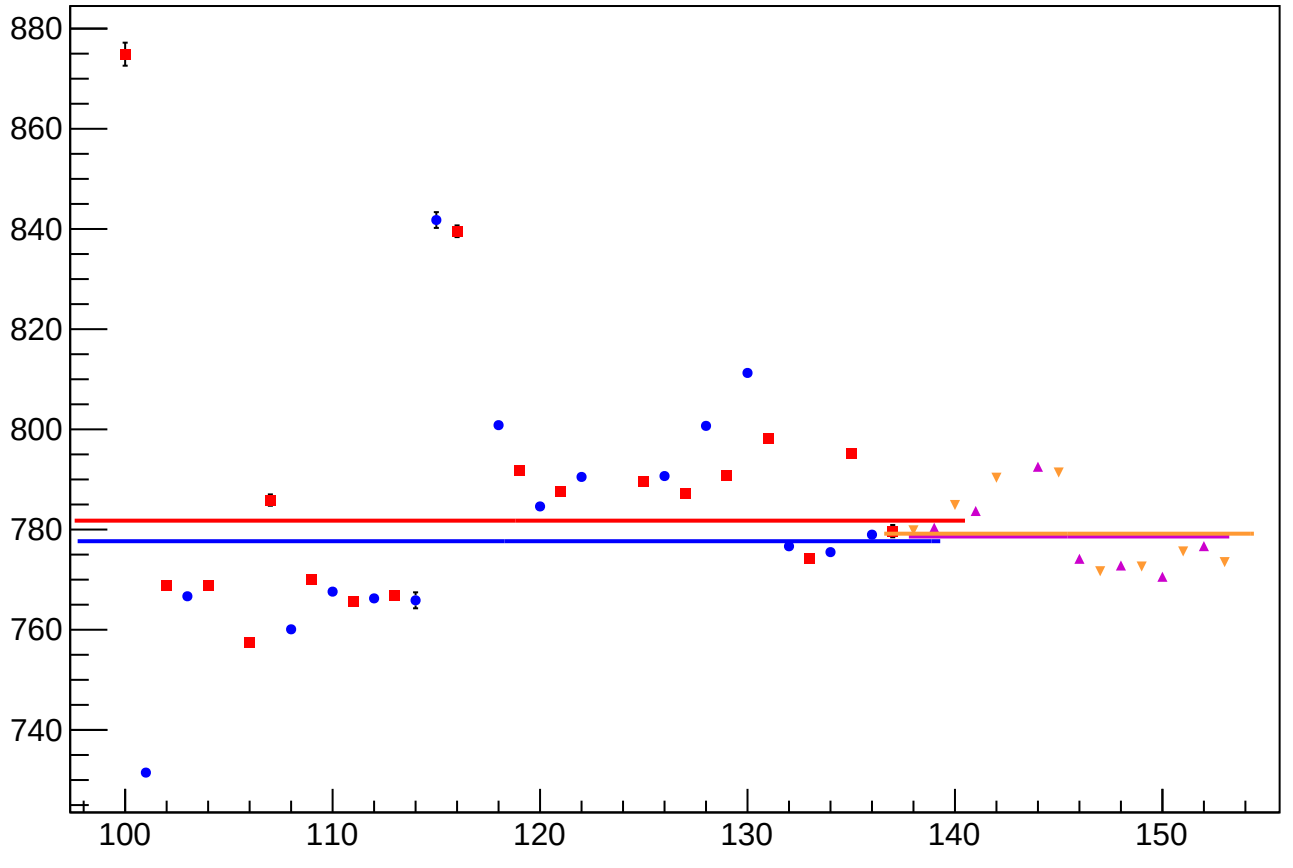
Left: -393.224+/-221.635 χ^2/NDF: 17.0/14

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

In: -472.189+/-212.700 χ^2/NDF:18.4/22

Out: -119.142+/-211.854 χ^2/NDF:17.6/25

All: -294.962+/-150.102 χ^2/NDF: 37.4/48



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

Left Out: 779.175+/-0.221 χ^2/NDF:1055.2/7

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

Left In: 778.614+/-0.222 χ^2/NDF:998.9/6

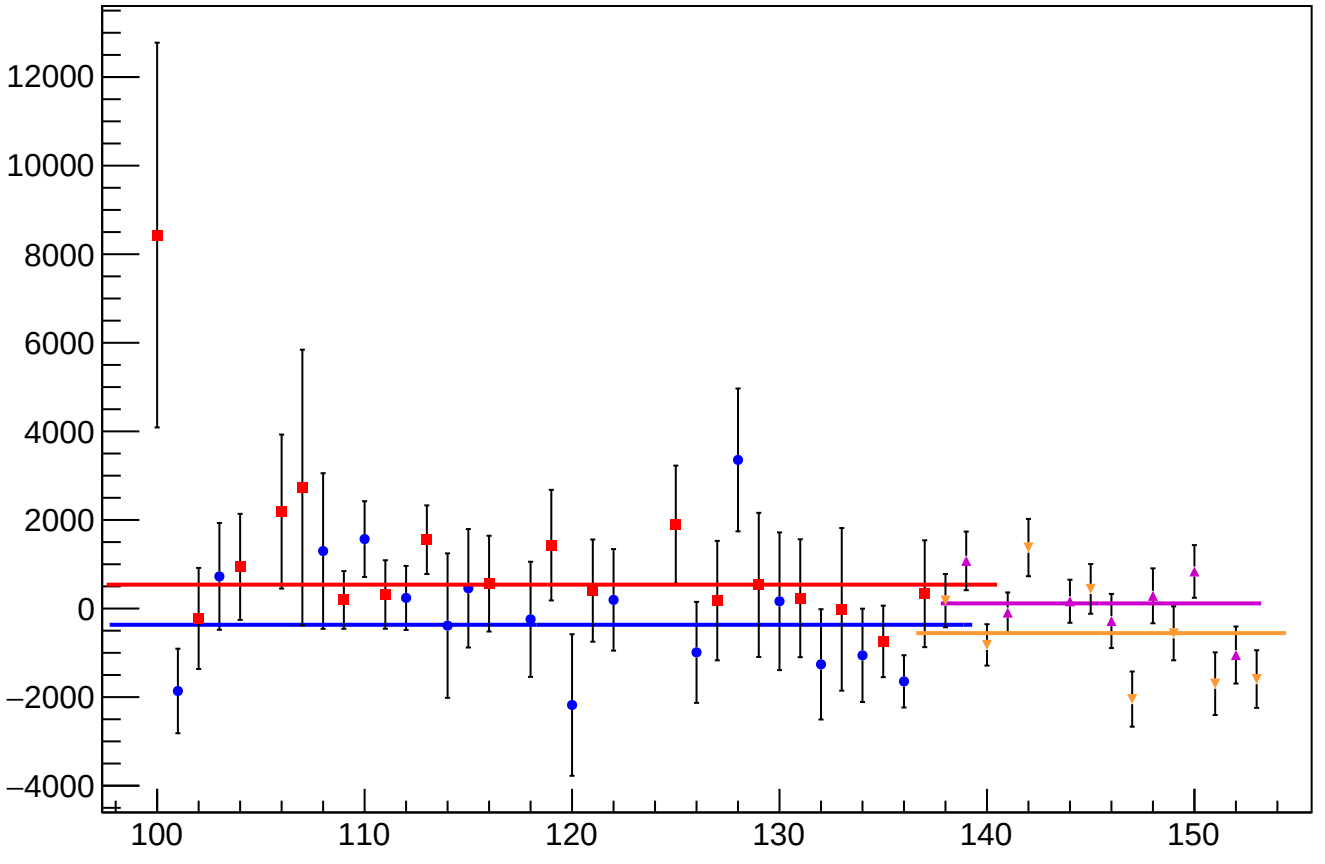
Left: 778.896+/-0.157 χ^2/NDF: 2057.4/14

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

In: 778.105+/-0.150 χ^2/NDF:13064.0/22

Out: 780.582+/-0.150 χ^2/NDF:8756.4/25

All: 779.348+/-0.106 χ^2/NDF: 21956.6/48



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

Left Out: -554.833+/-210.591 χ^2/NDF:24.8/7

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

Left In: 116.183+/-213.797 χ^2/NDF:7.6/6

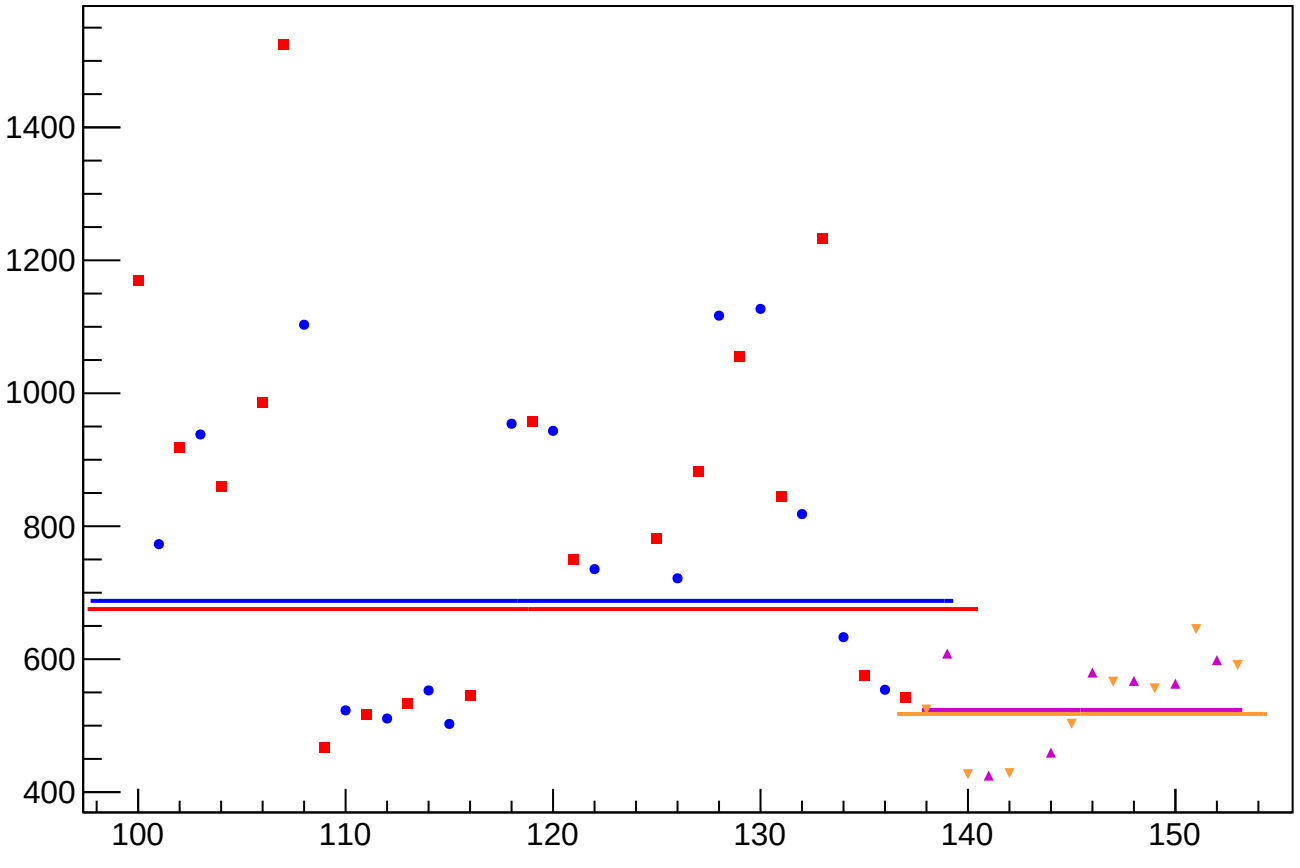
Left: -224.395+/-150.031 χ^2/NDF: 37.3/14

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

In: -72.852+/-166.814 χ^2/NDF:32.9/22

Out: -127.360+/-164.363 χ^2/NDF:47.0/25

All: -100.509+/-117.079 χ^2/NDF: 79.9/48



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

Left Out: 517.629+/-0.149 χ^2/NDF:225548.2/7

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

Left In: 523.607+/-0.151 χ^2/NDF:225089.4/6

Left: 520.573+/-0.106 χ^2/NDF: 451431.1/14

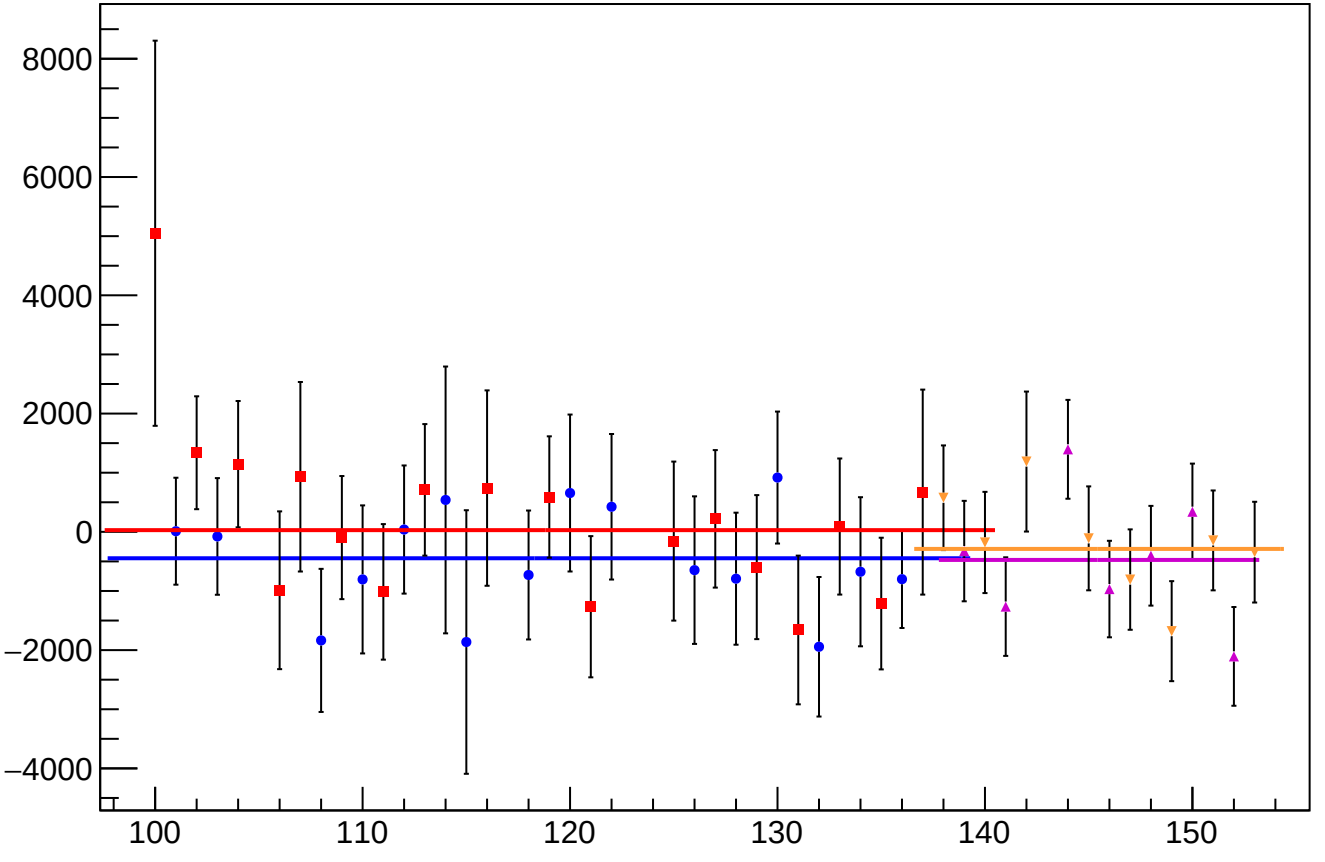
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 587.810+/-0.118 χ^2/NDF:1718015.2/22

Out: 579.297+/-0.116 χ^2/NDF:1977346.9/25

All: 583.490+/-0.083 χ^2/NDF: 3698005.4/48

dit_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -288.552+/-312.836 χ^2/NDF:5.7/7

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

Left In: -474.973+/-314.498 χ^2/NDF:11.1/6

Left: -381.268+/-221.794 χ^2/NDF: 17.0/14

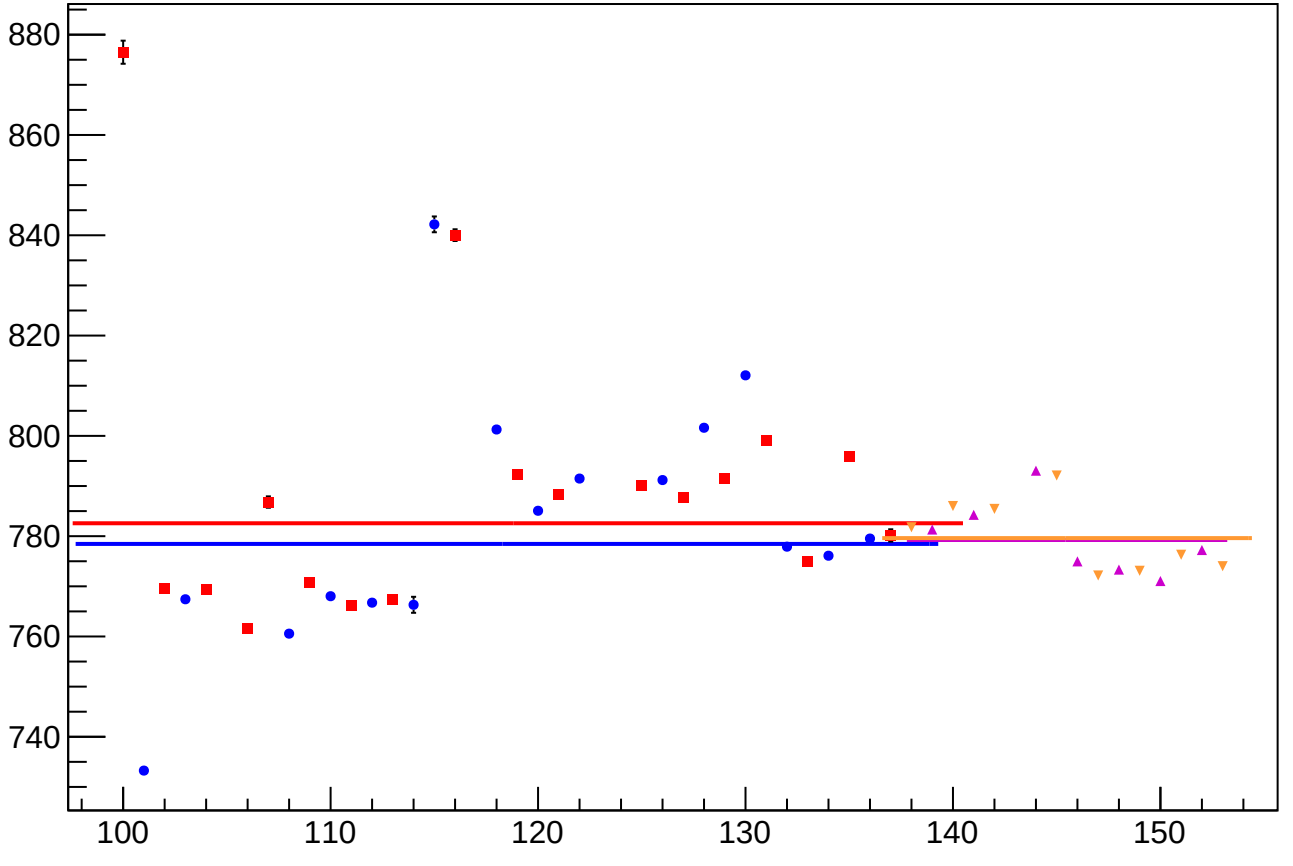
Right: -208.223+/-204.216 χ^2/NDF: 21.3/33

In: -459.633+/-212.893 χ^2/NDF:18.4/22

Out: -116.990+/-212.032 χ^2/NDF:18.9/25

All: -287.617+/-150.233 χ^2/NDF: 38.6/48

dit_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 779.614+/-0.221 χ^2/NDF:966.0/7

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

Left In: 779.238+/-0.222 χ^2/NDF:997.8/6

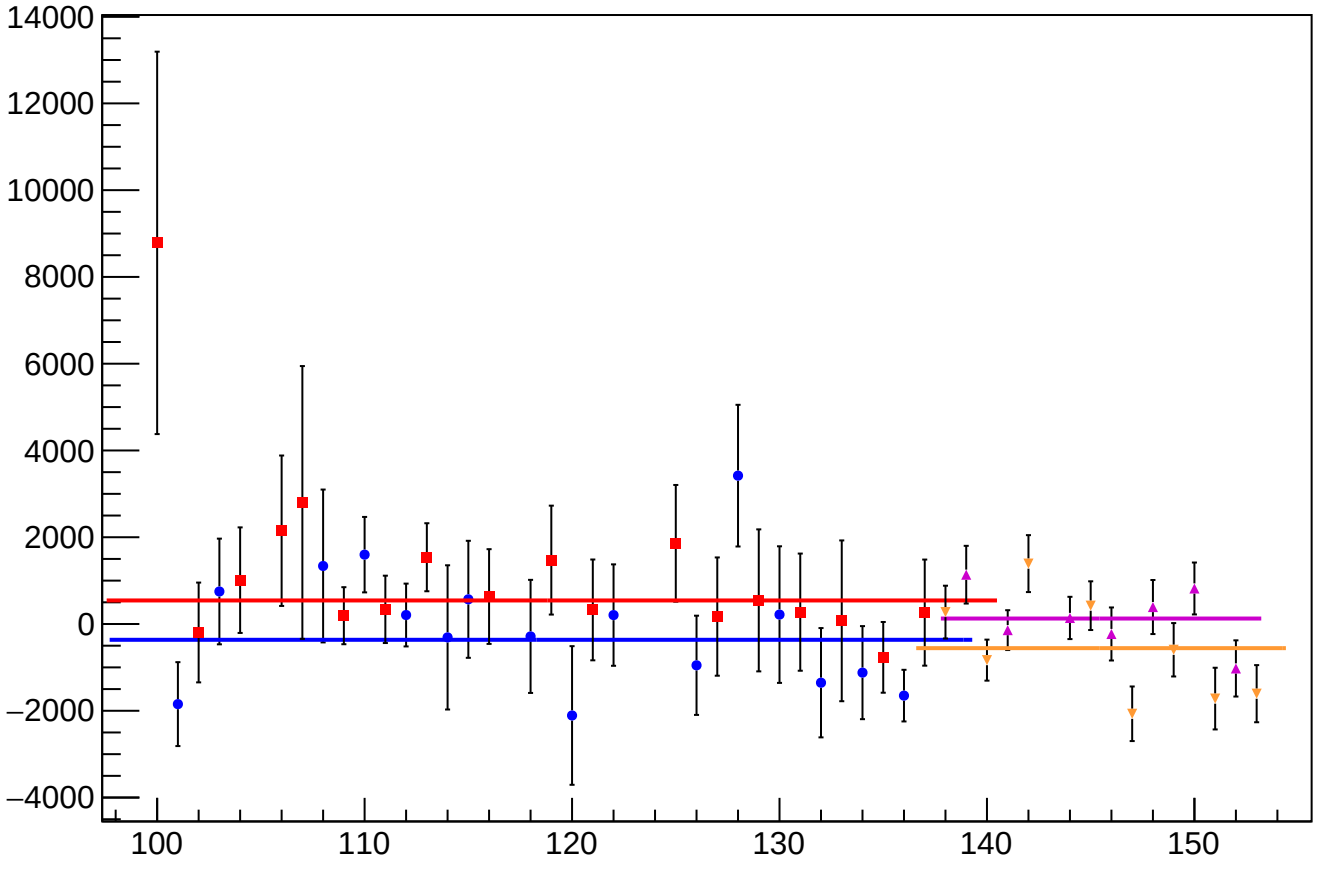
Left: 779.427+/-0.157 χ^2/NDF: 1965.2/14

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

In: 778.814+/-0.151 χ^2/NDF:12799.7/22

Out: 781.215+/-0.150 χ^2/NDF:8544.3/25

All: 780.020+/-0.106 χ^2/NDF: 21471.7/48



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

Left Out: -556.530+/-212.612 χ^2/NDF:25.1/7

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

Left In: 126.139+/-214.928 χ^2/NDF:7.7/6

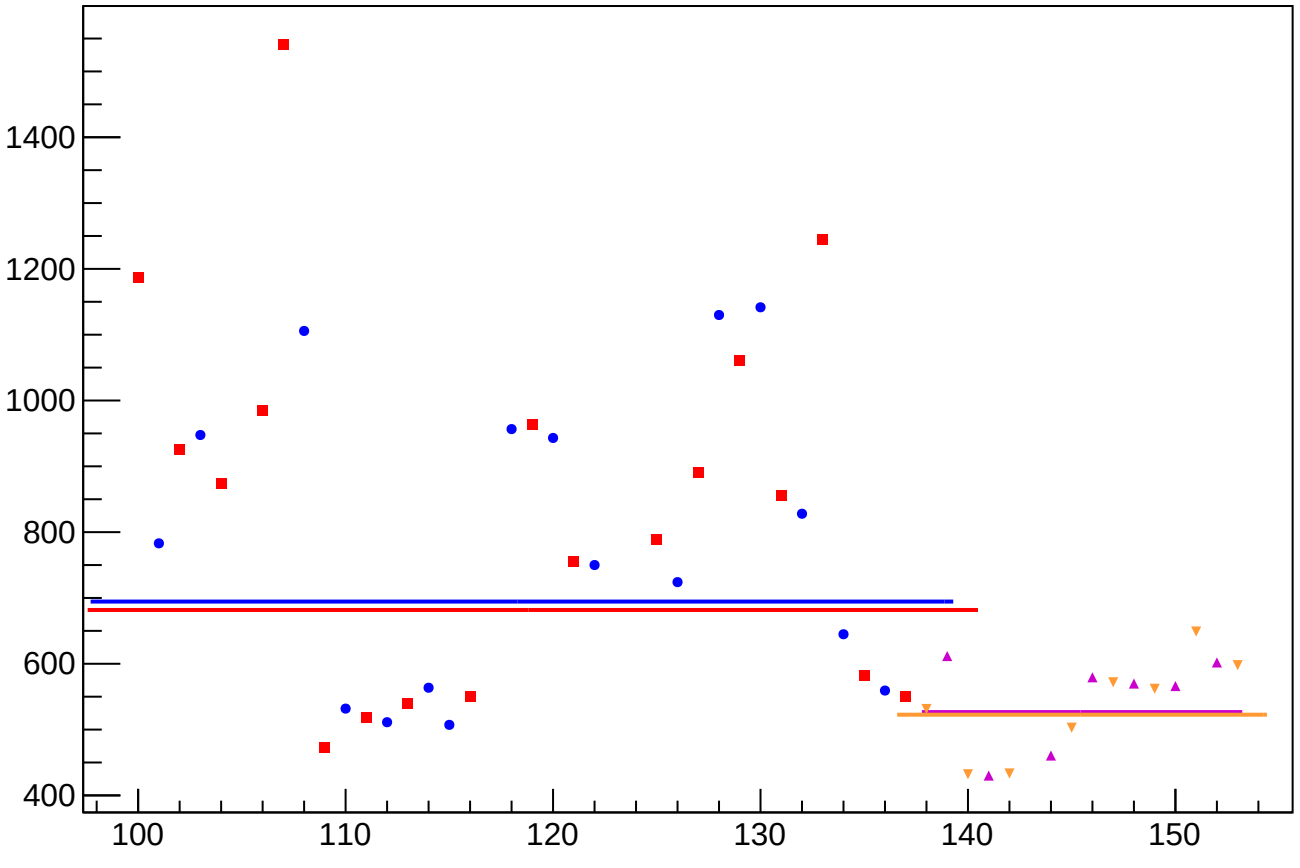
Left: -218.895+/-151.151 χ^2/NDF: 37.8/14

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

In: -64.558+/-167.990 χ^2/NDF:33.0/22

Out: -126.524+/-165.902 χ^2/NDF:47.3/25

All: -95.929+/-118.042 χ^2/NDF: 80.4/48



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

Left Out: 522.631+/-0.150 χ^2/NDF:222938.0/7

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

Left In: 526.611+/-0.152 χ^2/NDF:218313.6/6

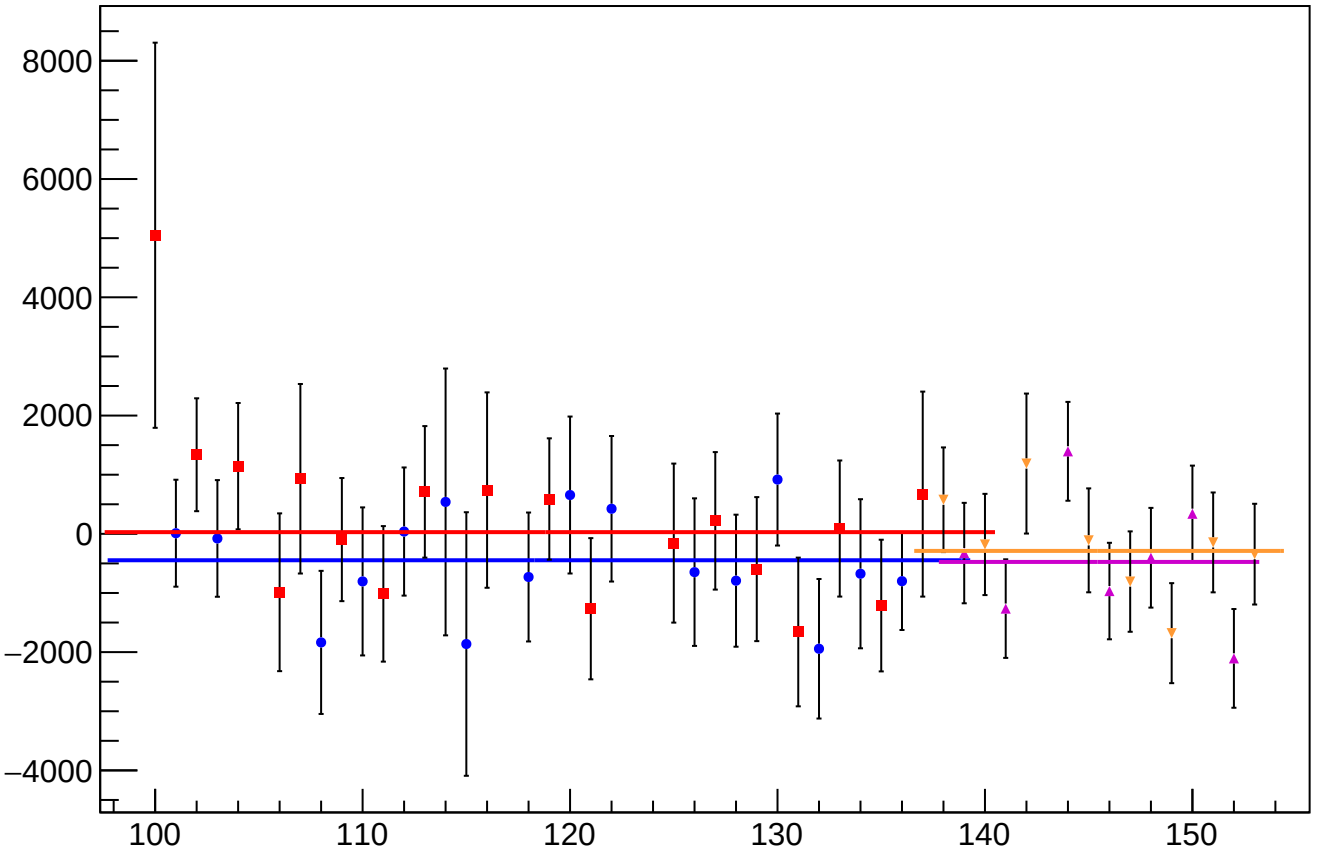
Left: 524.599+/-0.107 χ^2/NDF: 441598.3/14

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

In: 591.943+/-0.119 χ^2/NDF:1723147.7/22

Out: 584.864+/-0.117 χ^2/NDF:1972370.0/25

All: 588.359+/-0.083 χ^2/NDF: 3697315.7/48



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

Left Out: -288.554+/-312.836 χ^2/NDF:5.7/7

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

Left In: -474.972+/-314.498 χ^2/NDF:11.1/6

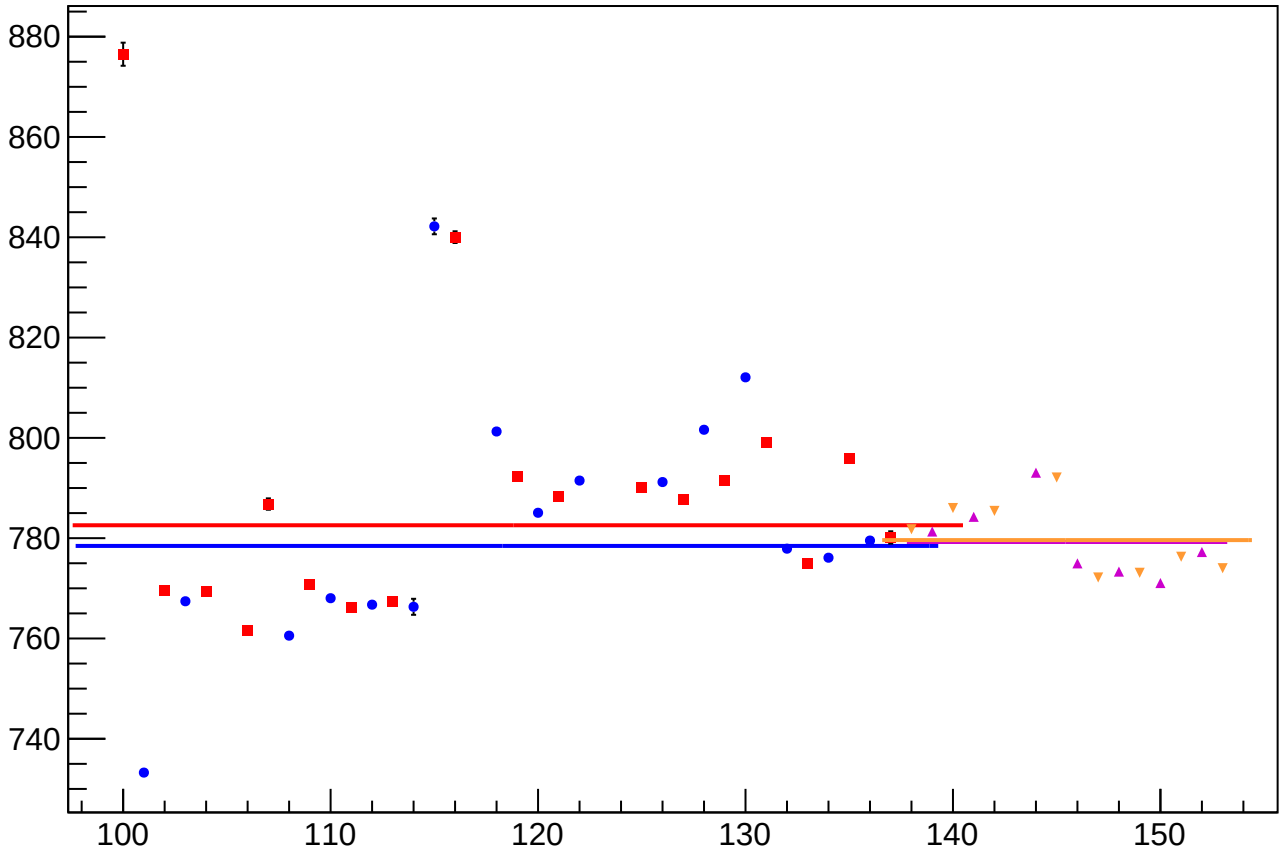
Left: -381.269+/-221.794 χ^2/NDF: 17.0/14

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

In: -459.633+/-212.893 χ^2/NDF:18.4/22

Out: -116.993+/-212.032 χ^2/NDF:18.9/25

All: -287.618+/-150.233 χ^2/NDF: 38.6/48



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

Left Out: 779.614+/-0.221 χ^2/NDF:966.0/7

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

Left In: 779.238+/-0.222 χ^2/NDF:997.8/6

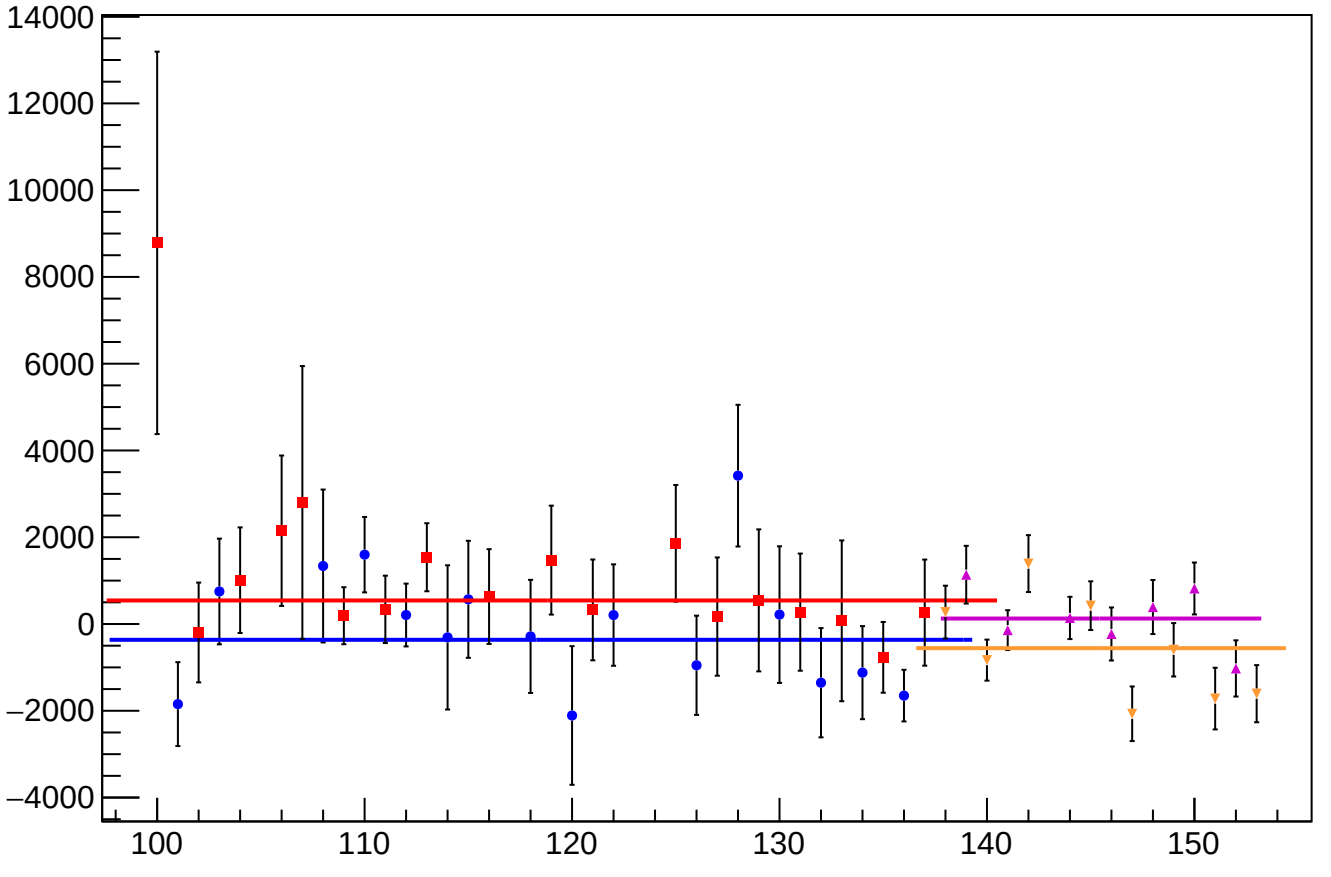
Left: 779.427+/-0.157 χ^2/NDF: 1965.2/14

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

In: 778.814+/-0.151 χ^2/NDF:12799.6/22

Out: 781.215+/-0.150 χ^2/NDF:8544.3/25

All: 780.020+/-0.106 χ^2/NDF: 21471.6/48



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

Left Out: -556.530+/-212.612 χ^2/NDF:25.1/7

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

Left In: 126.137+/-214.928 χ^2/NDF:7.7/6

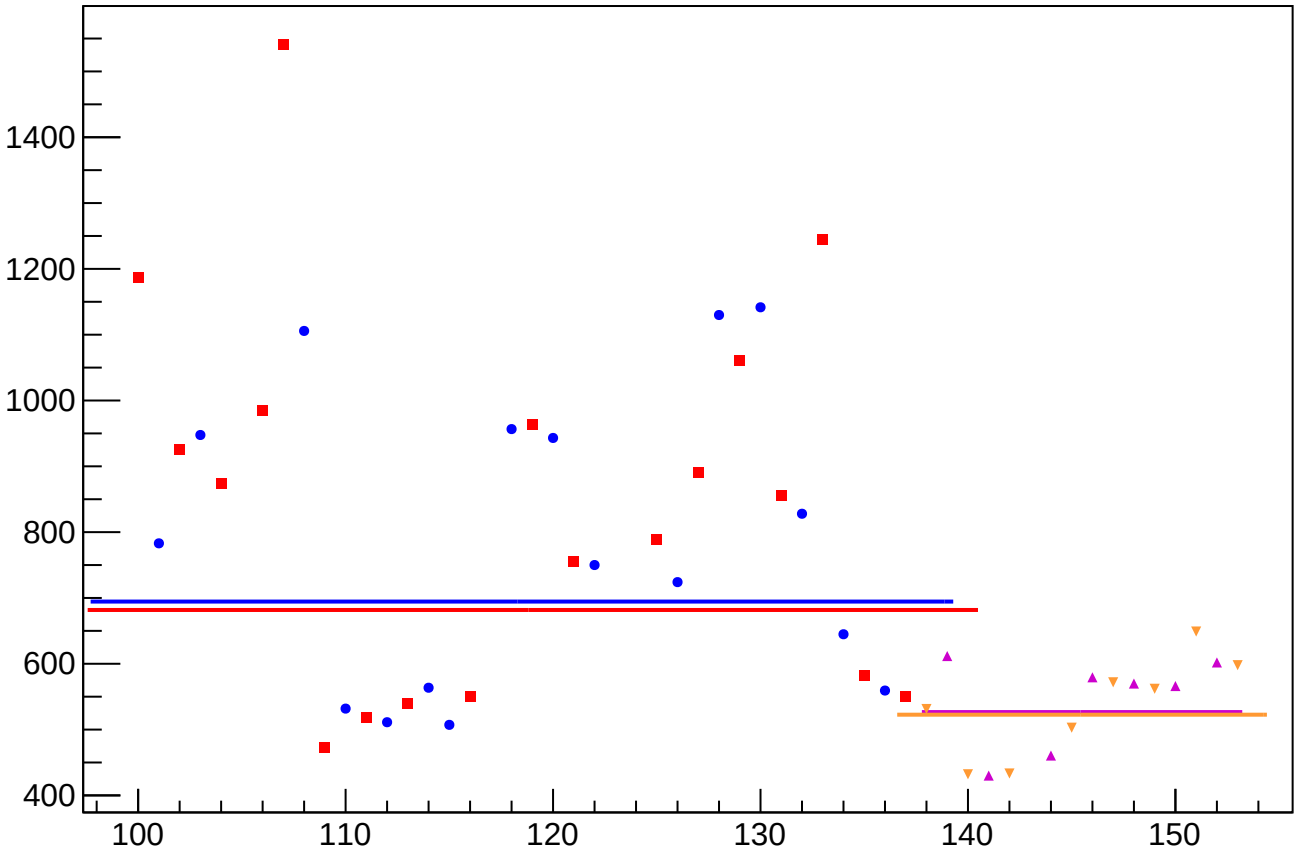
Left: -218.896+/-151.151 χ^2/NDF: 37.8/14

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

In: -64.559+/-167.990 χ^2/NDF:33.0/22

Out: -126.522+/-165.902 χ^2/NDF:47.3/25

All: -95.928+/-118.041 χ^2/NDF: 80.4/48



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

Left Out: 522.631+/-0.150 χ^2/NDF:222947.8/7

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

Left In: 526.611+/-0.152 χ^2/NDF:218323.5/6

Left: 524.599+/-0.107 χ^2/NDF: 441618.1/14

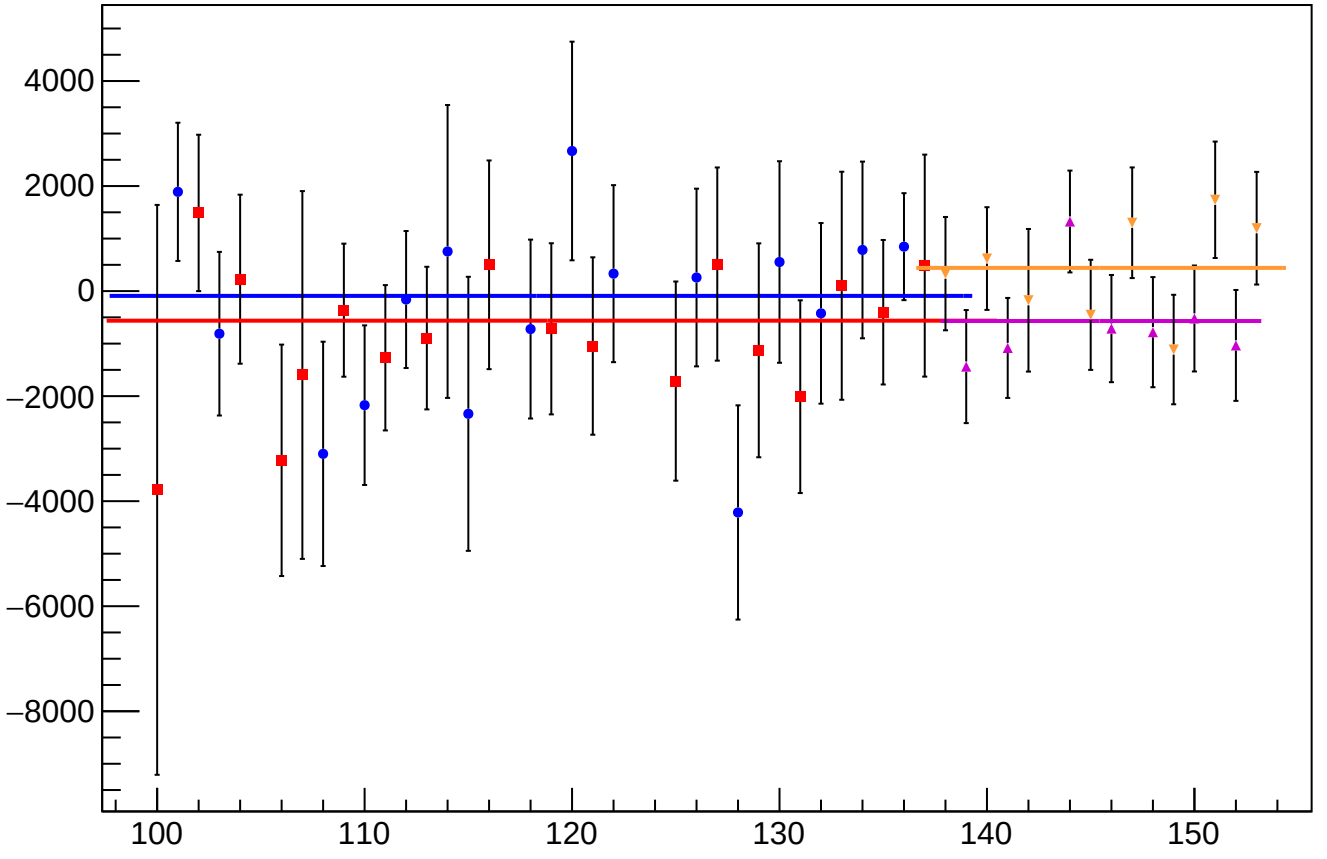
Right: 688.033+/-0.134 χ^2/NDF: 2343525.0/33

In: 591.942+/-0.119 χ^2/NDF:1723152.3/22

Out: 584.863+/-0.117 χ^2/NDF:1972384.4/25

All: 588.358+/-0.083 χ^2/NDF: 3697334.7/48

asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 441.883+/-381.758 χ^2/NDF:5.7/7

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

Left In: -569.586+/-384.060 χ^2/NDF:5.0/6

Left: -60.811+/-270.754 χ^2/NDF: 14.2/14

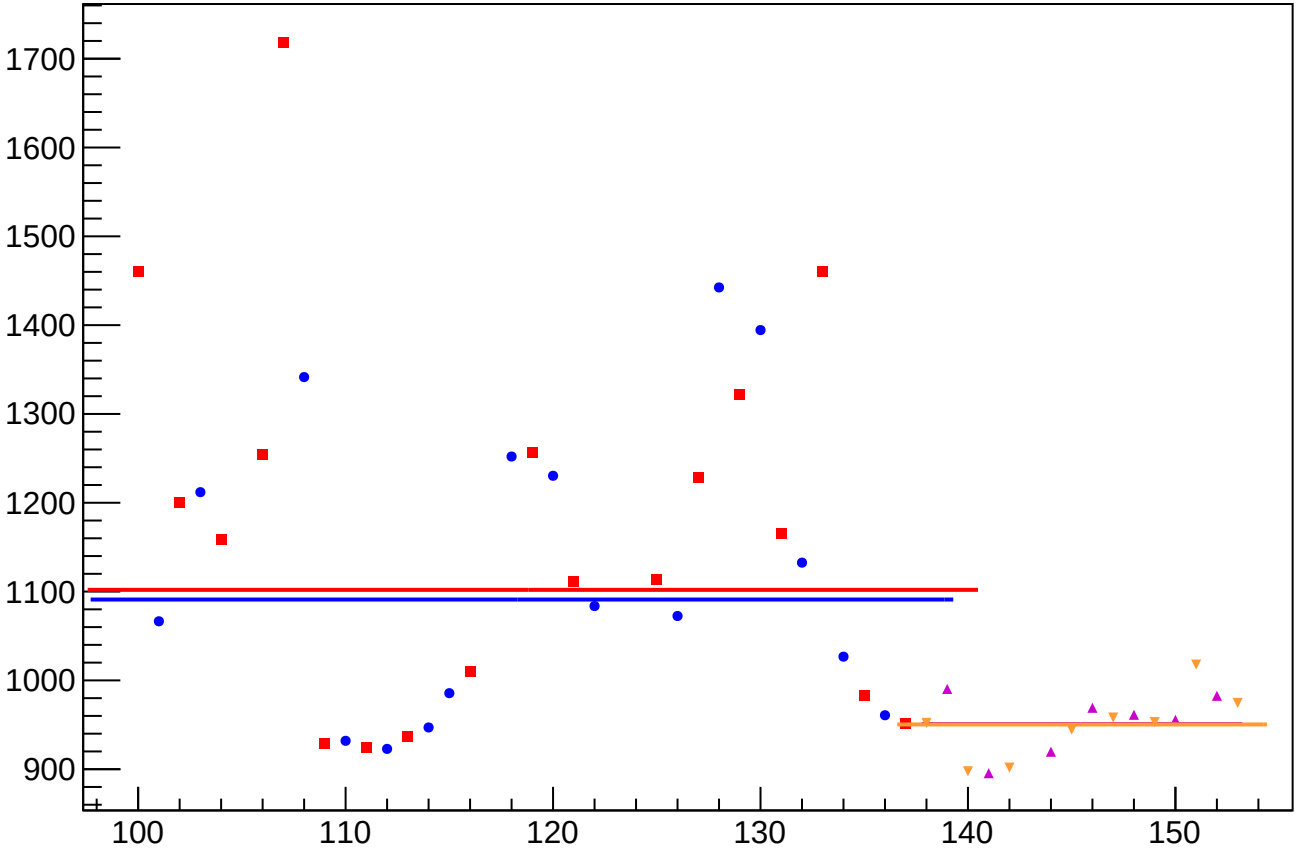
Right: -326.374+/-290.450 χ^2/NDF: 21.7/33

In: -346.028+/-280.280 χ^2/NDF:20.3/22

Out: -22.991+/-279.888 χ^2/NDF:15.5/25

All: -184.284+/-198.049 χ^2/NDF: 36.4/48

asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 950.384+/-0.270 χ^2/NDF:16989.5/7

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

Left In: 950.876+/-0.272 χ^2/NDF:14232.2/6

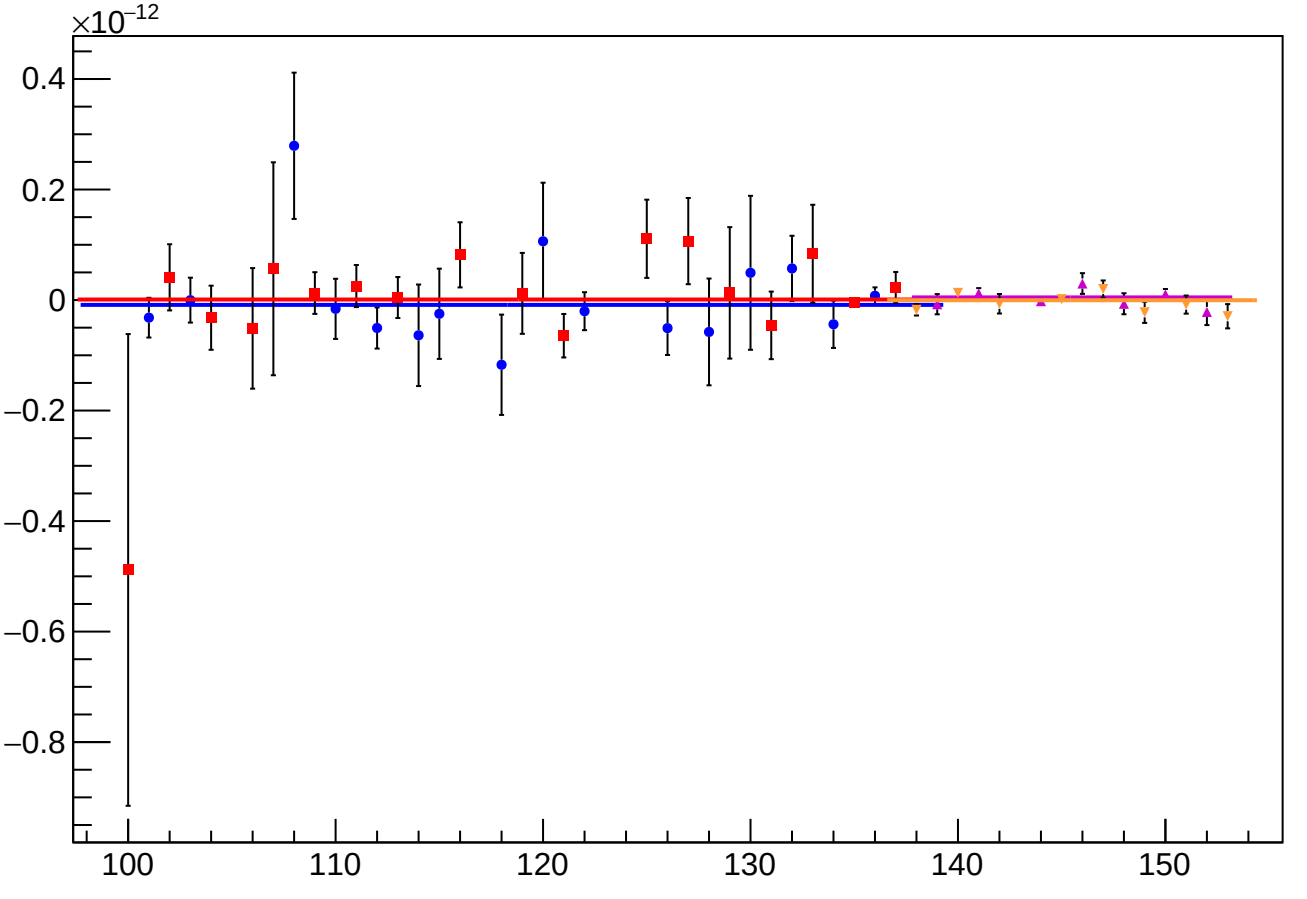
Left: 950.628+/-0.191 χ^2/NDF: 31223.3/14

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

In: 1016.392+/-0.198 χ^2/NDF:416051.2/22

Out: 1020.482+/-0.198 χ^2/NDF:490901.1/25

All: 1018.440+/-0.140 χ^2/NDF: 907165.5/48



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

Left Out: -0.000+/-0.000 χ^2/NDF:10.9/7

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

Left In: 0.000+/-0.000 χ^2/NDF:5.5/6

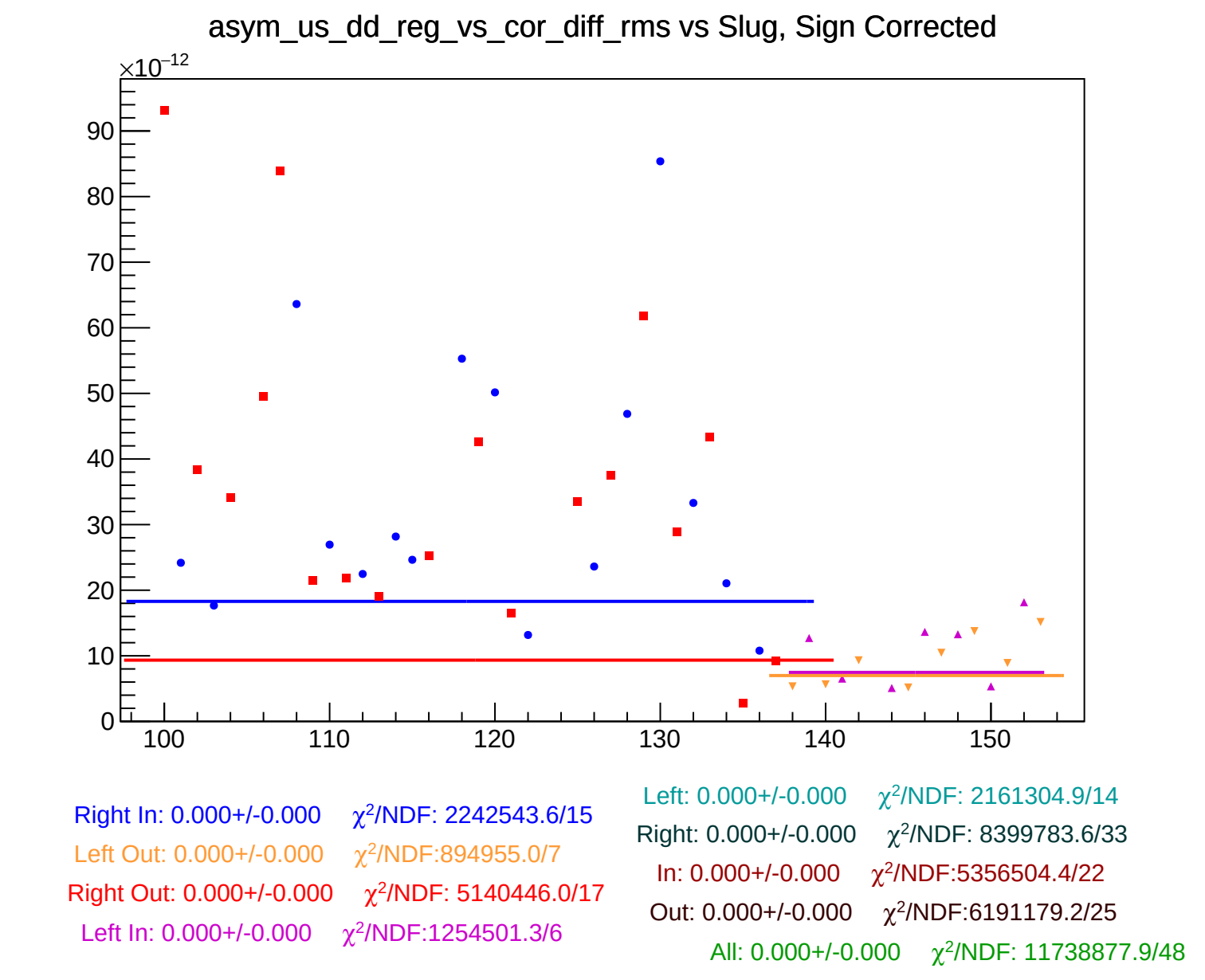
Left: 0.000+/-0.000 χ^2/NDF: 17.1/14

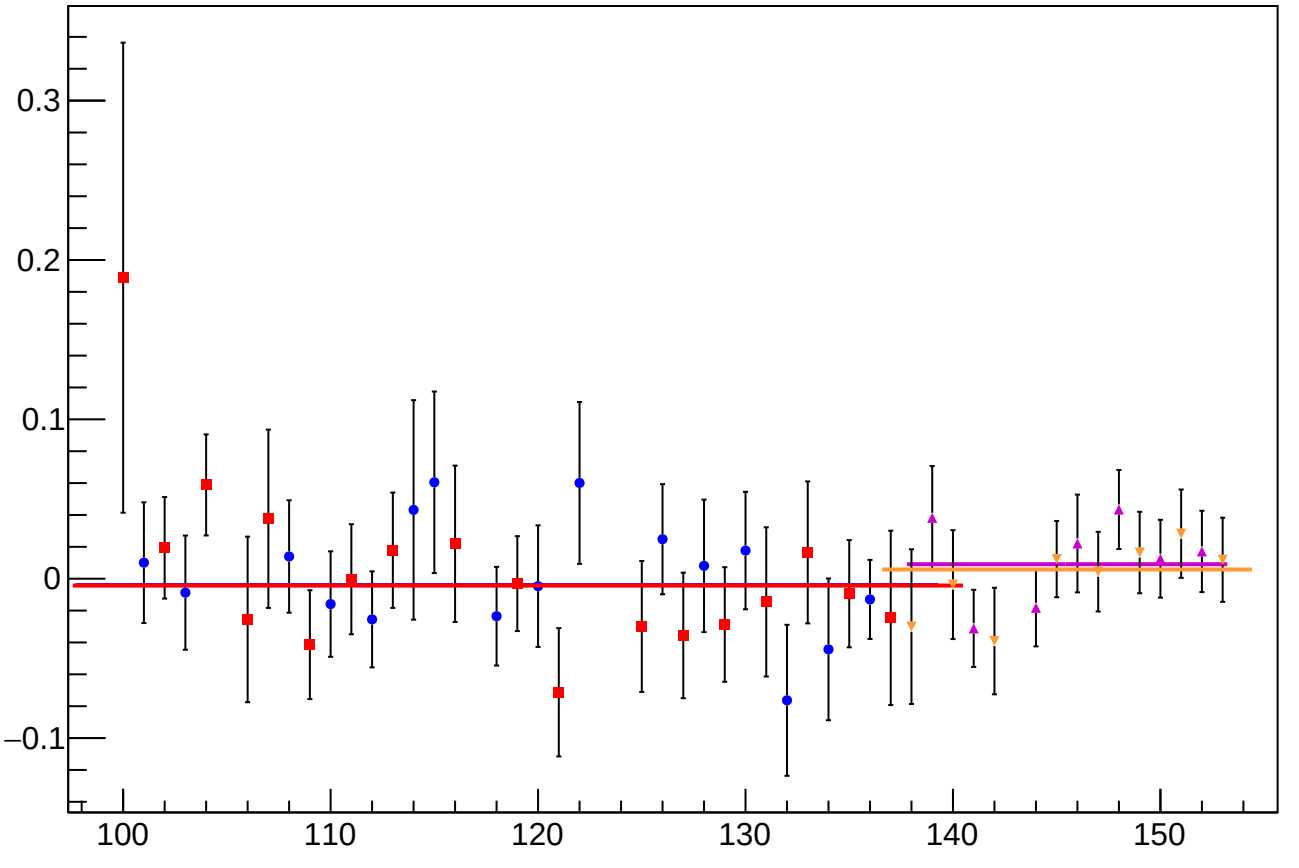
Right: -0.000+/-0.000 χ^2/NDF: 28.8/33

In: 0.000+/-0.000 χ^2/NDF:20.7/22

Out: -0.000+/-0.000 χ^2/NDF:25.3/25

All: 0.000+/-0.000 χ^2/NDF: 46.2/48


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
Right In: 0.000+/-0.000 χ²/NDF: 2242543.6/15
Left Out: 0.000+/-0.000 χ²/NDF:894955.0/7
Right Out: 0.000+/-0.000 χ²/NDF: 5140446.0/17
Left In: 0.000+/-0.000 χ²/NDF:1254501.3/6
Left: 0.000+/-0.000 χ²/NDF: 2161304.9/14
Right: 0.000+/-0.000 χ²/NDF: 8399783.6/33
In: 0.000+/-0.000 χ²/NDF:5356504.4/22
Out: 0.000+/-0.000 χ²/NDF:6191179.2/25
All: 0.000+/-0.000 χ²/NDF: 11738877.9/48



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

Left Out: 0.006+/-0.010 χ^2/NDF:3.4/7

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

Left In: 0.009+/-0.010 χ^2/NDF:7.1/6

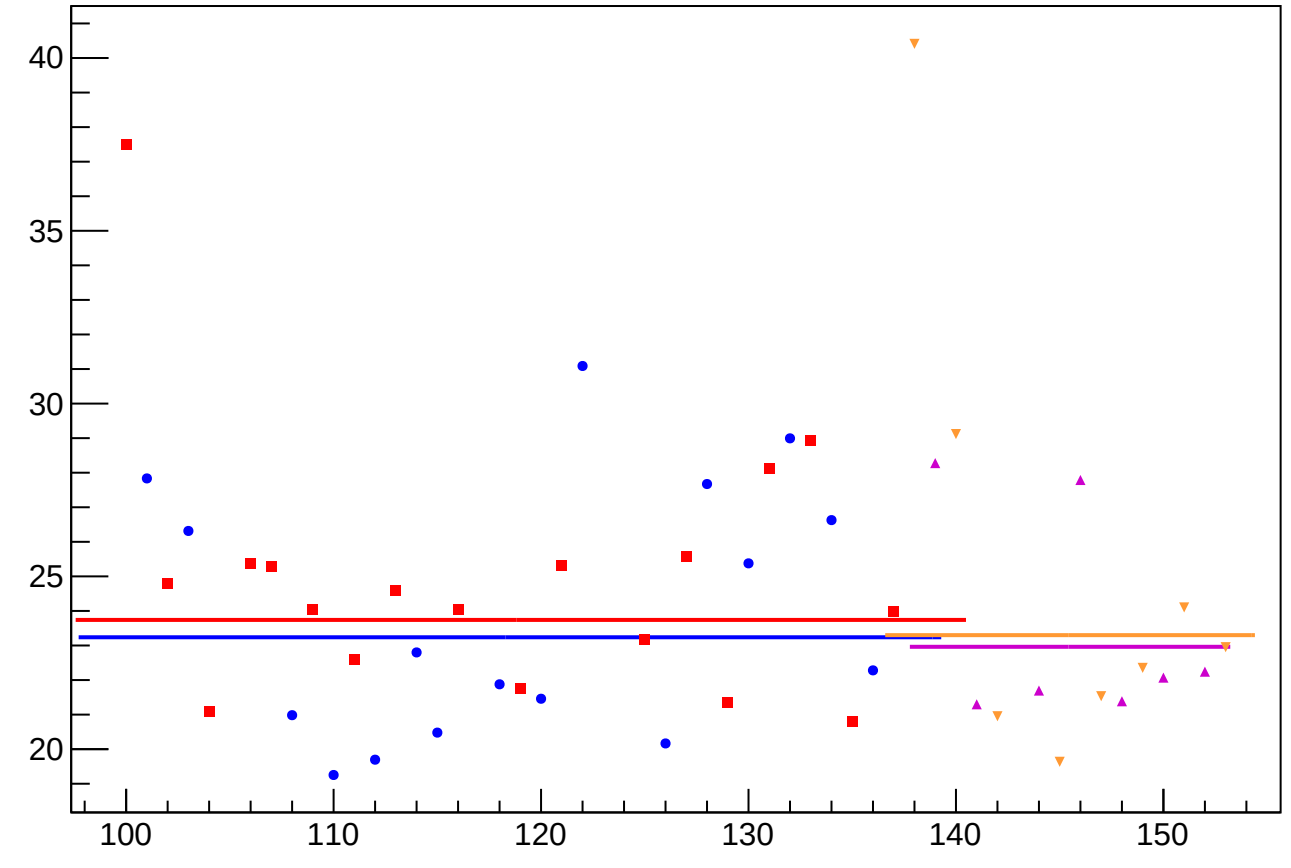
Left: 0.007+/-0.007 χ^2/NDF: 10.5/14

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

In: 0.002+/-0.007 χ^2/NDF:17.2/22

Out: 0.000+/-0.007 χ^2/NDF:17.4/25

All: 0.001+/-0.005 χ^2/NDF: 34.7/48



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

Left Out: 23.299+/-0.007 χ^2/NDF:377858.8/7

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

Left In: 22.962+/-0.007 χ^2/NDF:130370.6/6

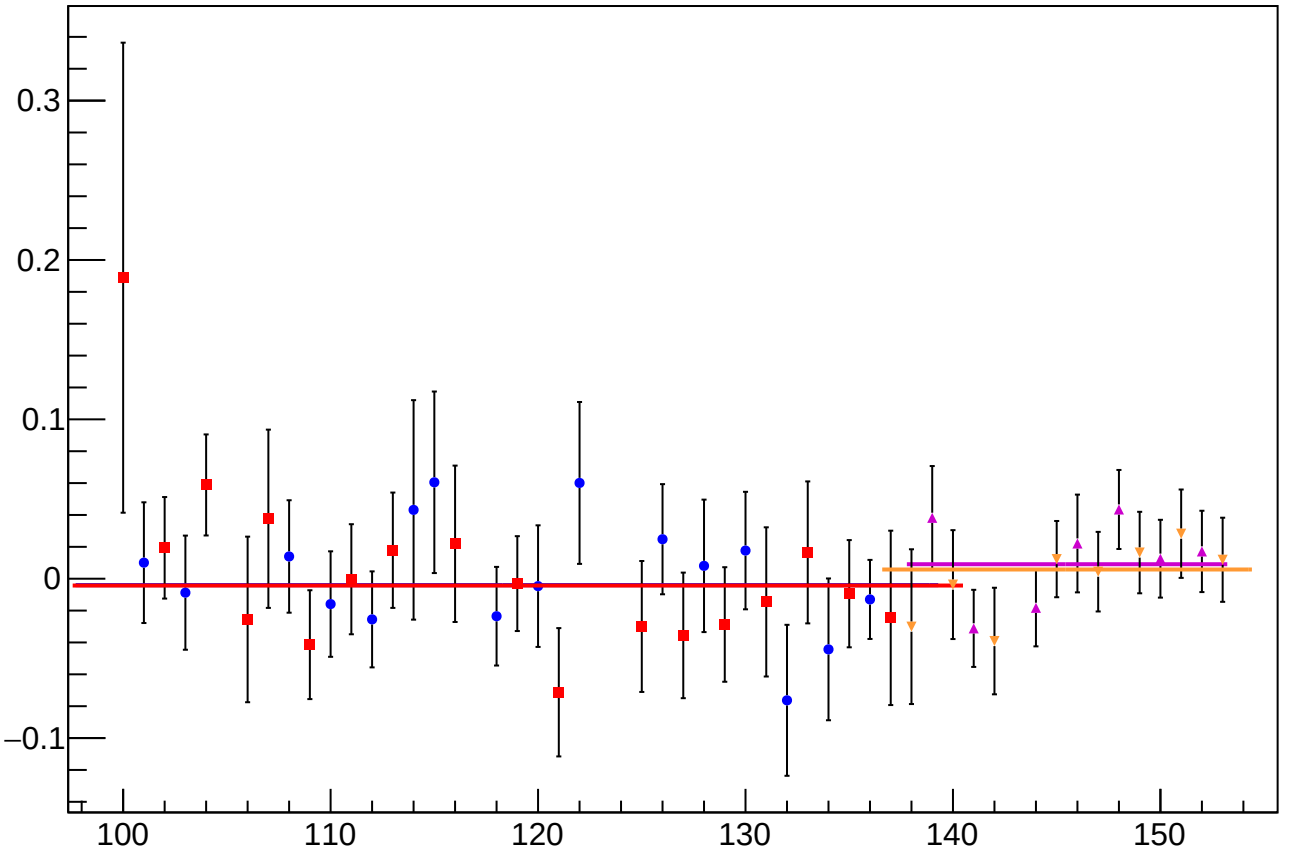
Left: 23.127+/-0.005 χ^2/NDF: 509368.4/14

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

In: 23.109+/-0.005 χ^2/NDF:390435.6/22

Out: 23.538+/-0.005 χ^2/NDF:506099.9/25

All: 23.320+/-0.003 χ^2/NDF: 900511.5/48



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

Left Out: 0.006+/-0.010 χ^2/NDF:3.4/7

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

Left In: 0.009+/-0.010 χ^2/NDF:7.1/6

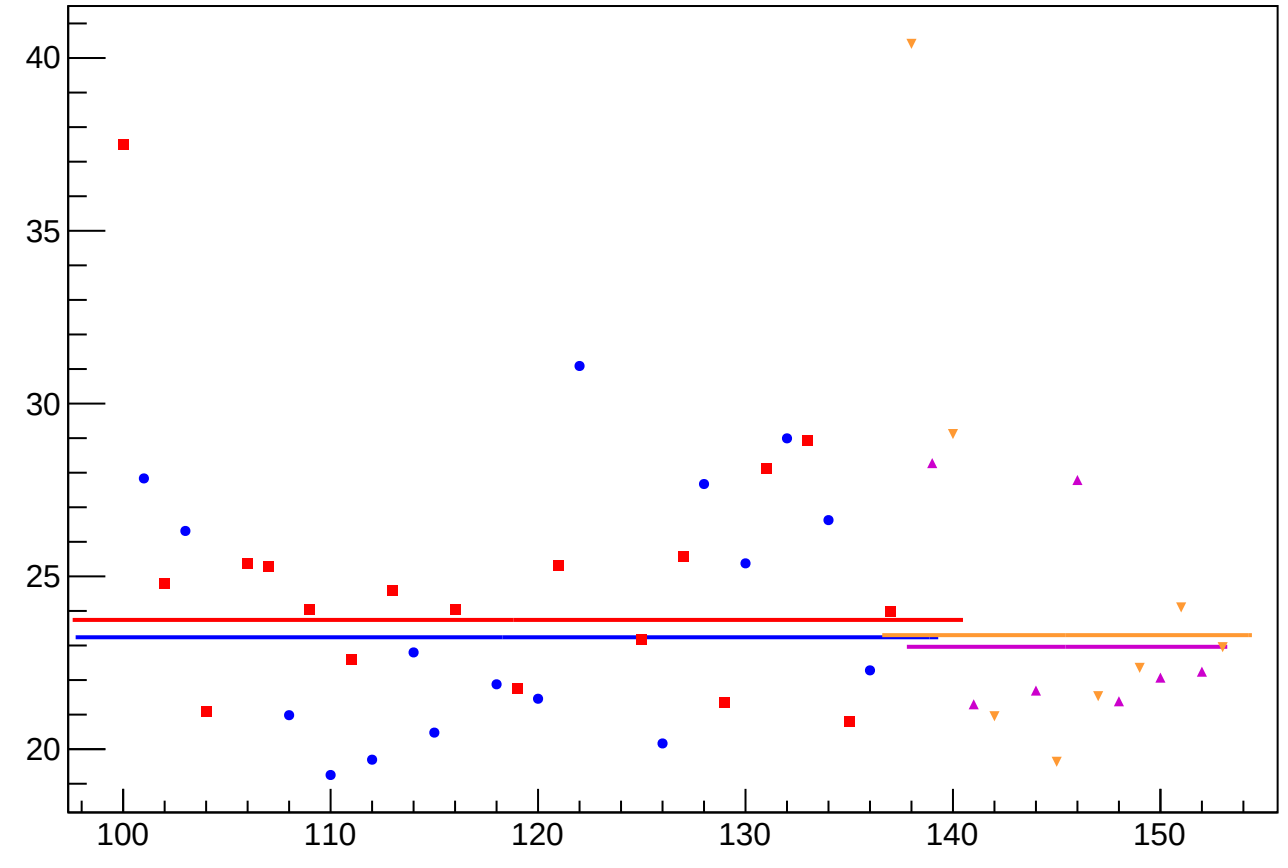
Left: 0.007+/-0.007 χ^2/NDF: 10.5/14

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

In: 0.002+/-0.007 χ^2/NDF:17.2/22

Out: 0.000+/-0.007 χ^2/NDF:17.4/25

All: 0.001+/-0.005 χ^2/NDF: 34.7/48



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

Left Out: 23.299+/-0.007 χ^2/NDF:377858.8/7

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

Left In: 22.962+/-0.007 χ^2/NDF:130370.6/6

Left: 23.127+/-0.005 χ^2/NDF: 509368.4/14

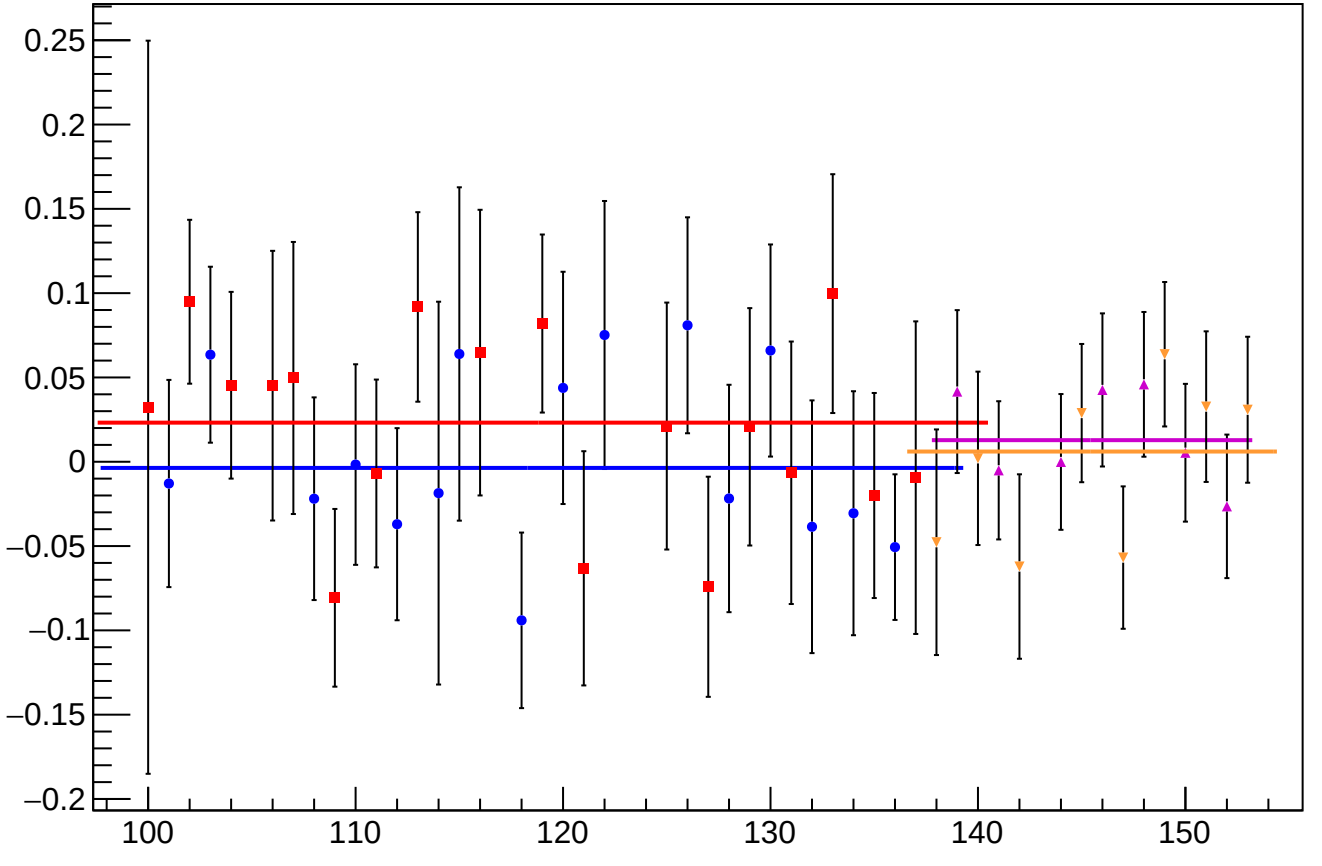
Right: 23.488+/-0.005 χ^2/NDF: 388343.8/33

In: 23.109+/-0.005 χ^2/NDF:390435.6/22

Out: 23.538+/-0.005 χ^2/NDF:506099.9/25

All: 23.320+/-0.003 χ^2/NDF: 900511.5/48

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: 0.006+/-0.017 χ^2/NDF:7.2/7

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

Left In: 0.013+/-0.016 χ^2/NDF:2.6/6

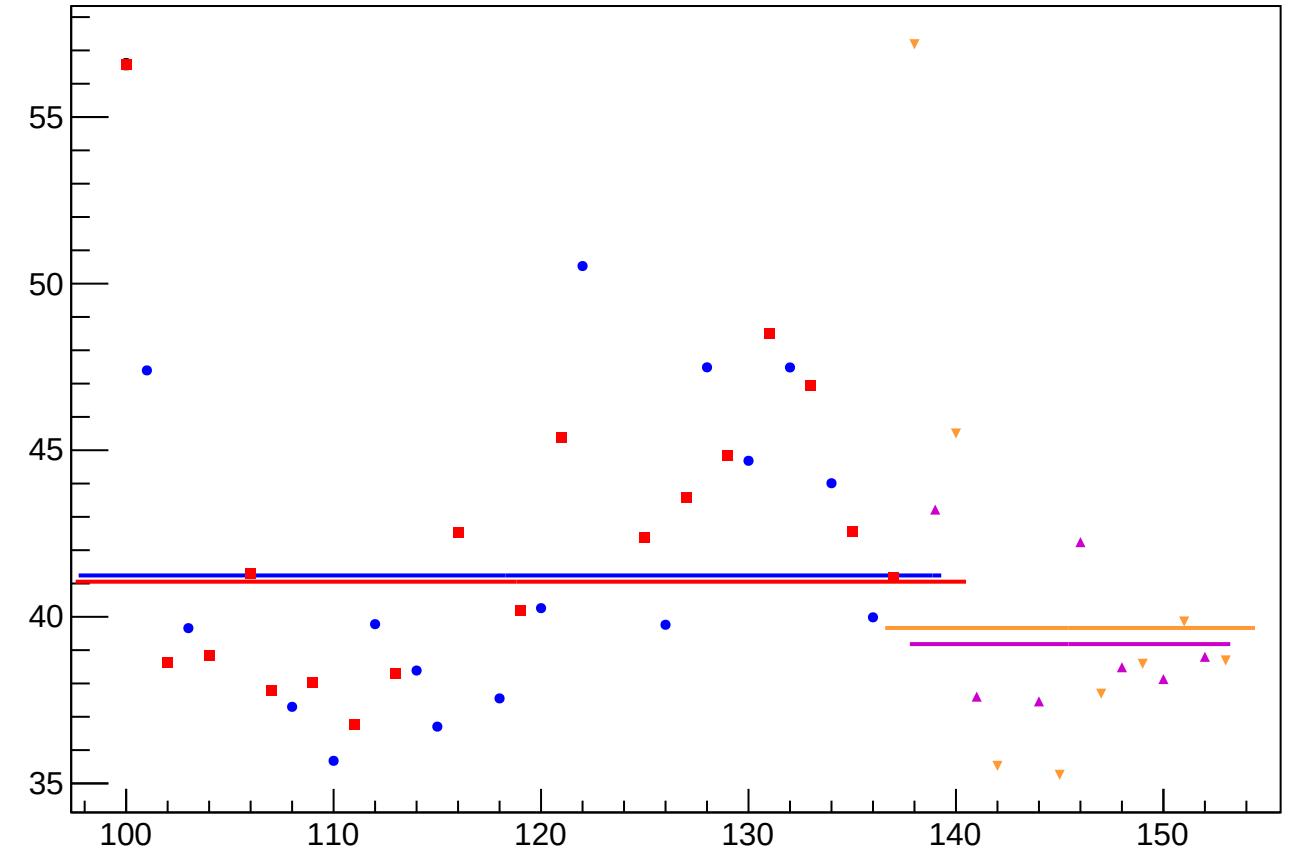
Left: 0.010+/-0.012 χ^2/NDF: 9.9/14

Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: 0.004+/-0.011 χ^2/NDF:14.7/22

Out: 0.015+/-0.011 χ^2/NDF:23.2/25

All: 0.010+/-0.008 χ^2/NDF: 38.4/48



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

Left Out: 39.666+/-0.012 χ^2/NDF:204144.2/7

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

Left In: 39.182+/-0.011 χ^2/NDF:31669.4/6

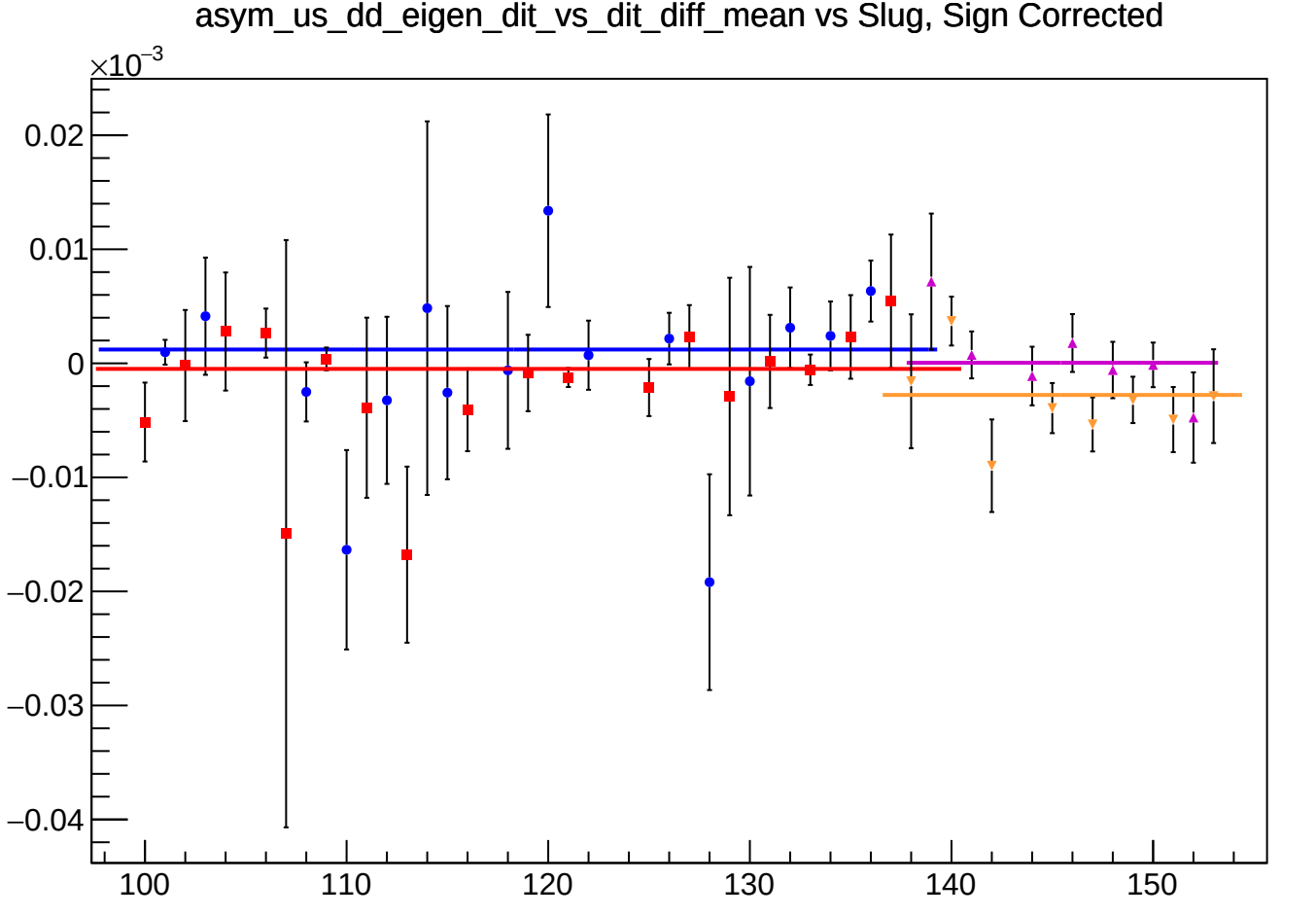
Left: 39.419+/-0.008 χ^2/NDF: 236690.8/14

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

In: 40.240+/-0.008 χ^2/NDF:183610.5/22

Out: 40.403+/-0.008 χ^2/NDF:308230.2/25

All: 40.322+/-0.006 χ^2/NDF: 492049.3/48



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

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/7

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

Left In: 0.000+/-0.000 χ^2/NDF:3.7/6

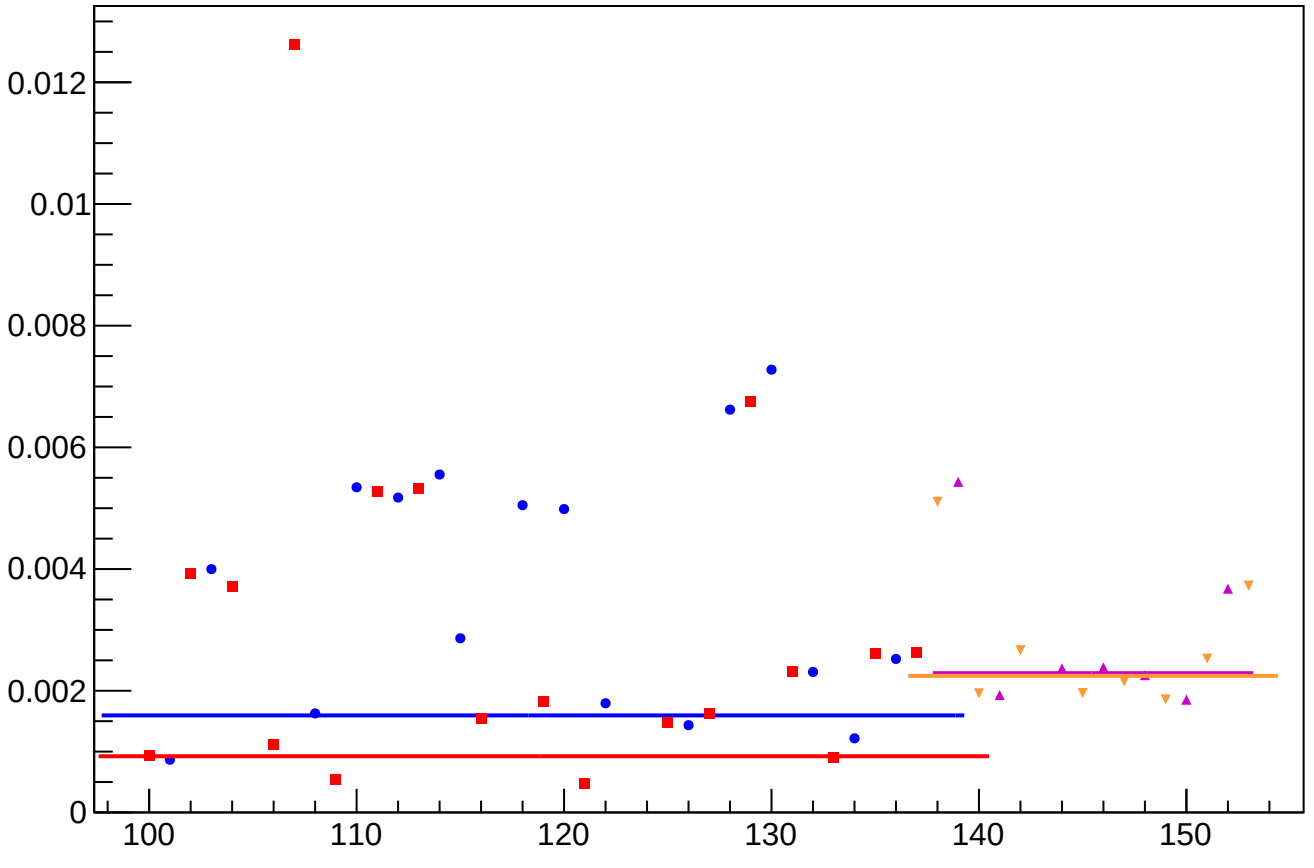
Left: -0.000+/-0.000 χ^2/NDF: 21.7/14

Right: 0.000+/-0.000 χ^2/NDF: 36.9/33

In: 0.000+/-0.000 χ^2/NDF:23.0/22

Out: -0.000+/-0.000 χ^2/NDF:33.2/25

All: -0.000+/-0.000 χ^2/NDF: 61.8/48



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

Left Out: 0.002+/-0.000 χ^2/NDF:920924.2/7

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

Left In: 0.002+/-0.000 χ^2/NDF:965957.0/6

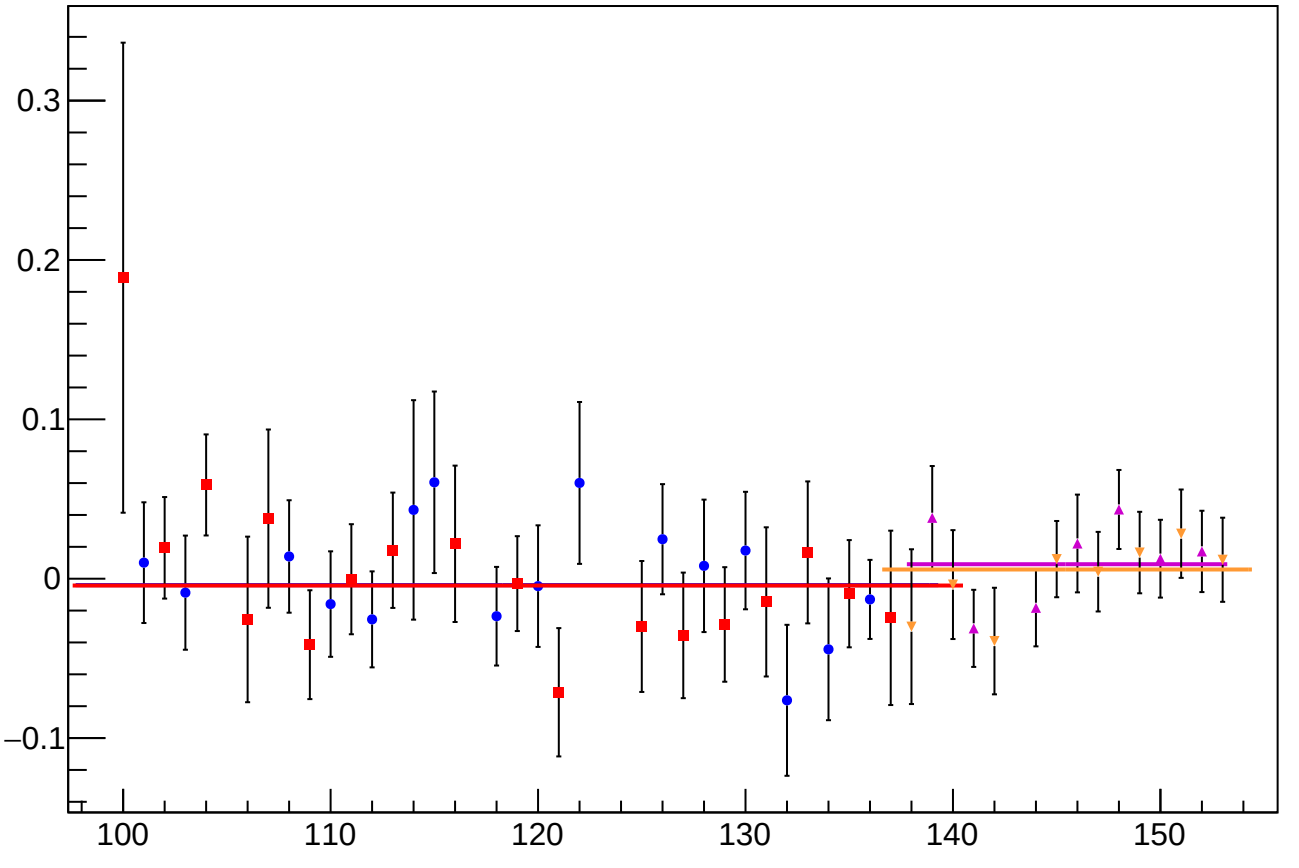
Left: 0.002+/-0.000 χ^2/NDF: 1889023.5/14

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

In: 0.002+/-0.000 χ^2/NDF:6366895.5/22

Out: 0.001+/-0.000 χ^2/NDF:9755135.3/25

All: 0.001+/-0.000 χ^2/NDF: 17643797.0/48



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

Left Out: 0.006+/-0.010 χ^2/NDF:3.4/7

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

Left In: 0.009+/-0.010 χ^2/NDF:7.1/6

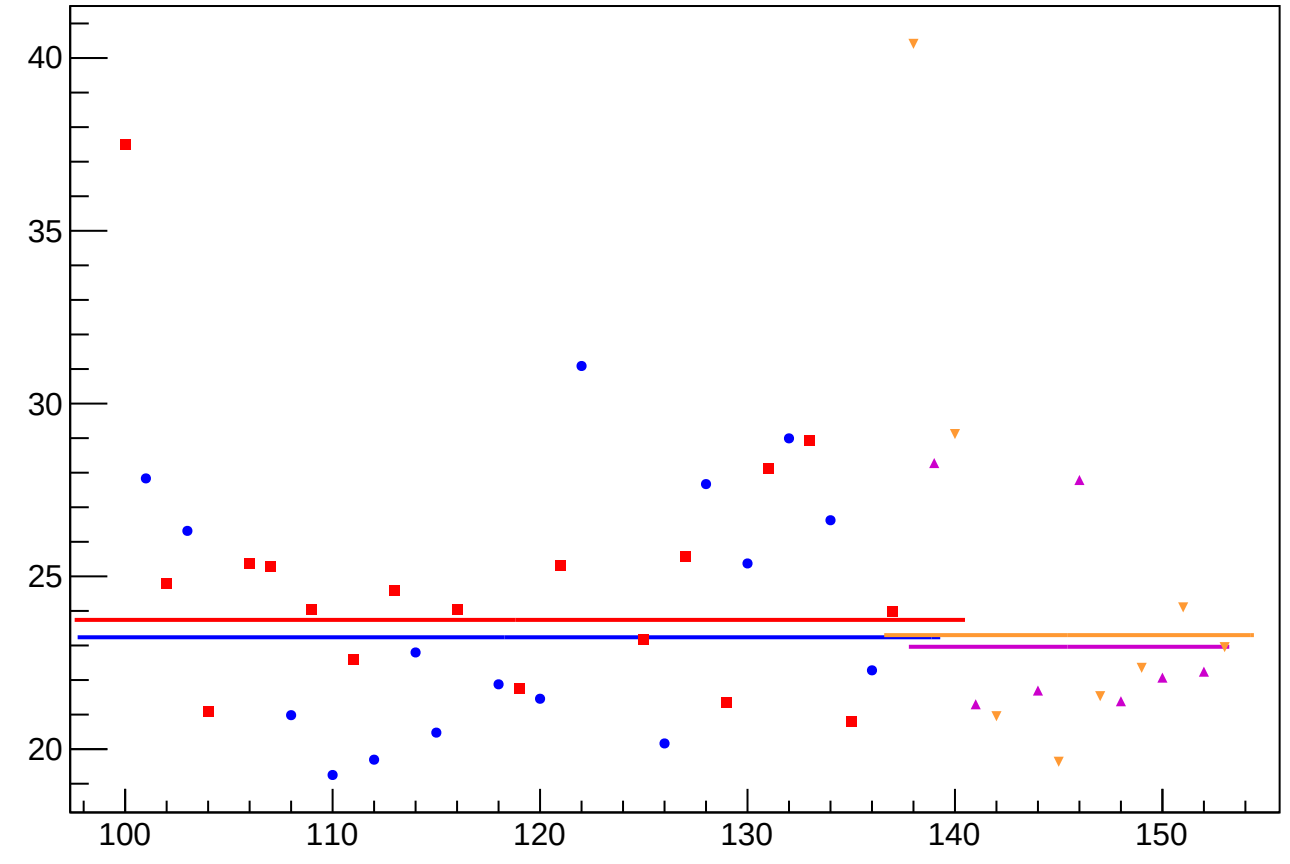
Left: 0.007+/-0.007 χ^2/NDF: 10.5/14

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

In: 0.002+/-0.007 χ^2/NDF:17.2/22

Out: 0.000+/-0.007 χ^2/NDF:17.4/25

All: 0.001+/-0.005 χ^2/NDF: 34.7/48



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

Left Out: 23.300+/-0.007 χ^2/NDF:377852.7/7

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

Left In: 22.962+/-0.007 χ^2/NDF:130385.5/6

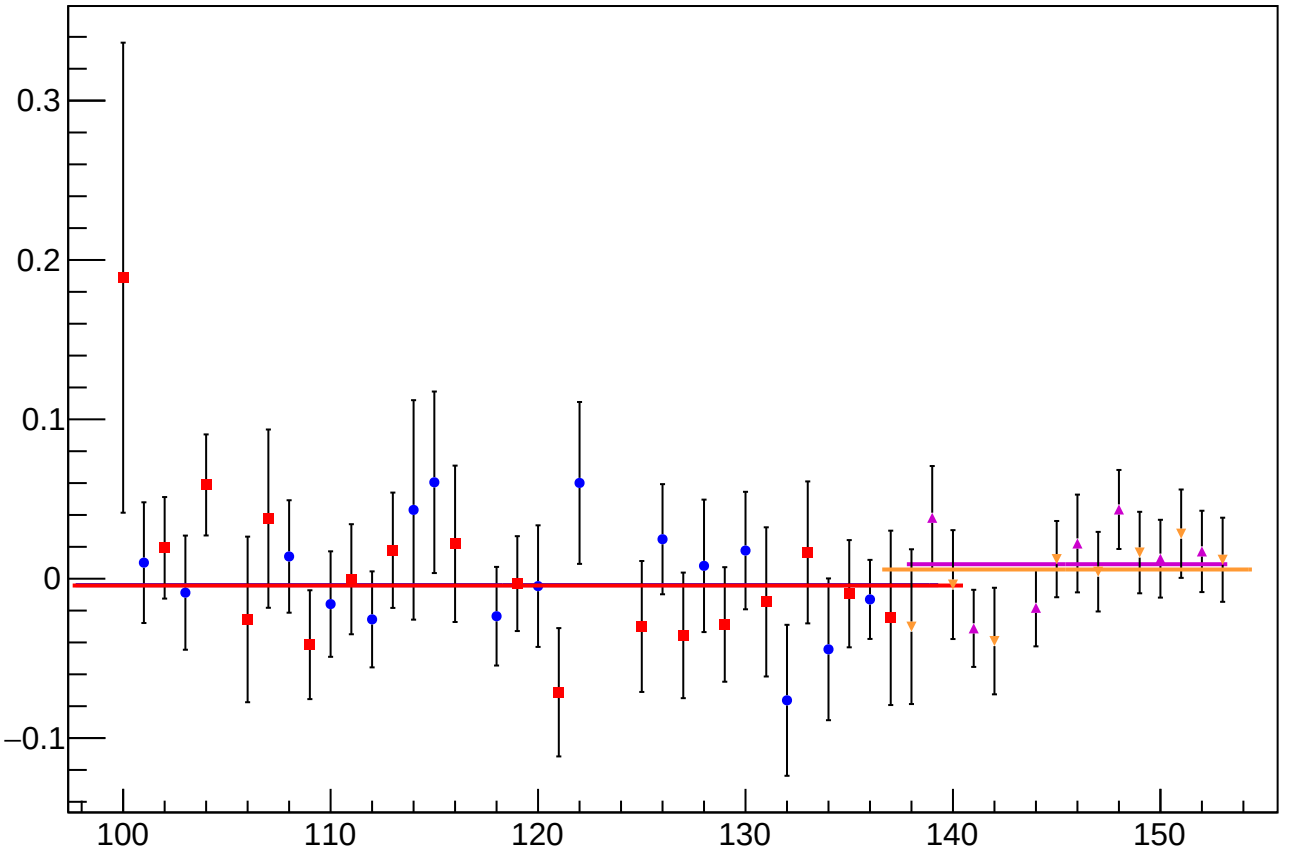
Left: 23.127+/-0.005 χ^2/NDF: 509378.2/14

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

In: 23.109+/-0.005 χ^2/NDF:390435.3/22

Out: 23.538+/-0.005 χ^2/NDF:506043.7/25

All: 23.320+/-0.003 χ^2/NDF: 900465.2/48



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

Left Out: 0.006+/-0.010 χ^2/NDF:3.4/7

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

Left In: 0.009+/-0.010 χ^2/NDF:7.1/6

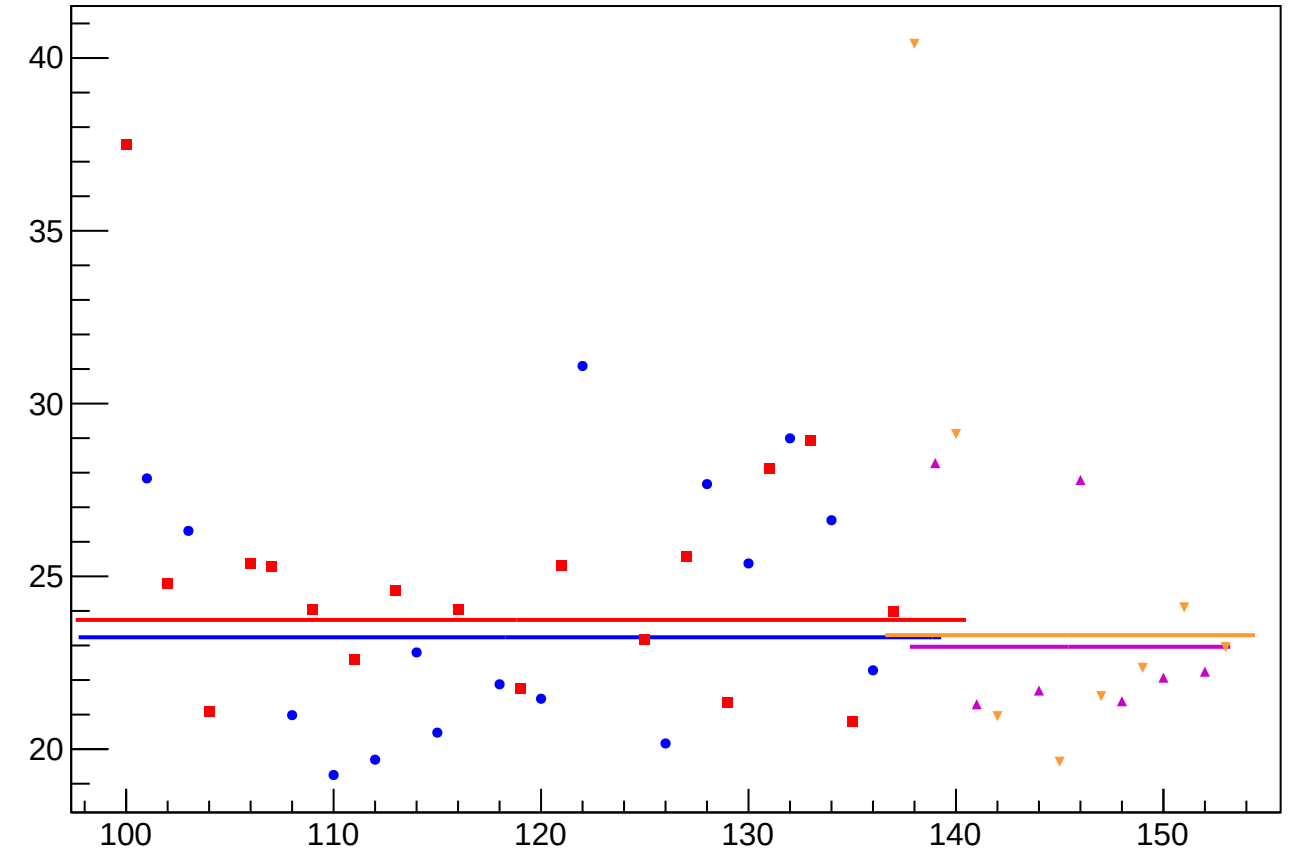
Left: 0.007+/-0.007 χ^2/NDF: 10.5/14

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

In: 0.002+/-0.007 χ^2/NDF:17.2/22

Out: 0.000+/-0.007 χ^2/NDF:17.4/25

All: 0.001+/-0.005 χ^2/NDF: 34.7/48



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

Left Out: 23.300+/-0.007 χ^2/NDF:377852.7/7

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

Left In: 22.962+/-0.007 χ^2/NDF:130385.5/6

Left: 23.127+/-0.005 χ^2/NDF: 509378.2/14

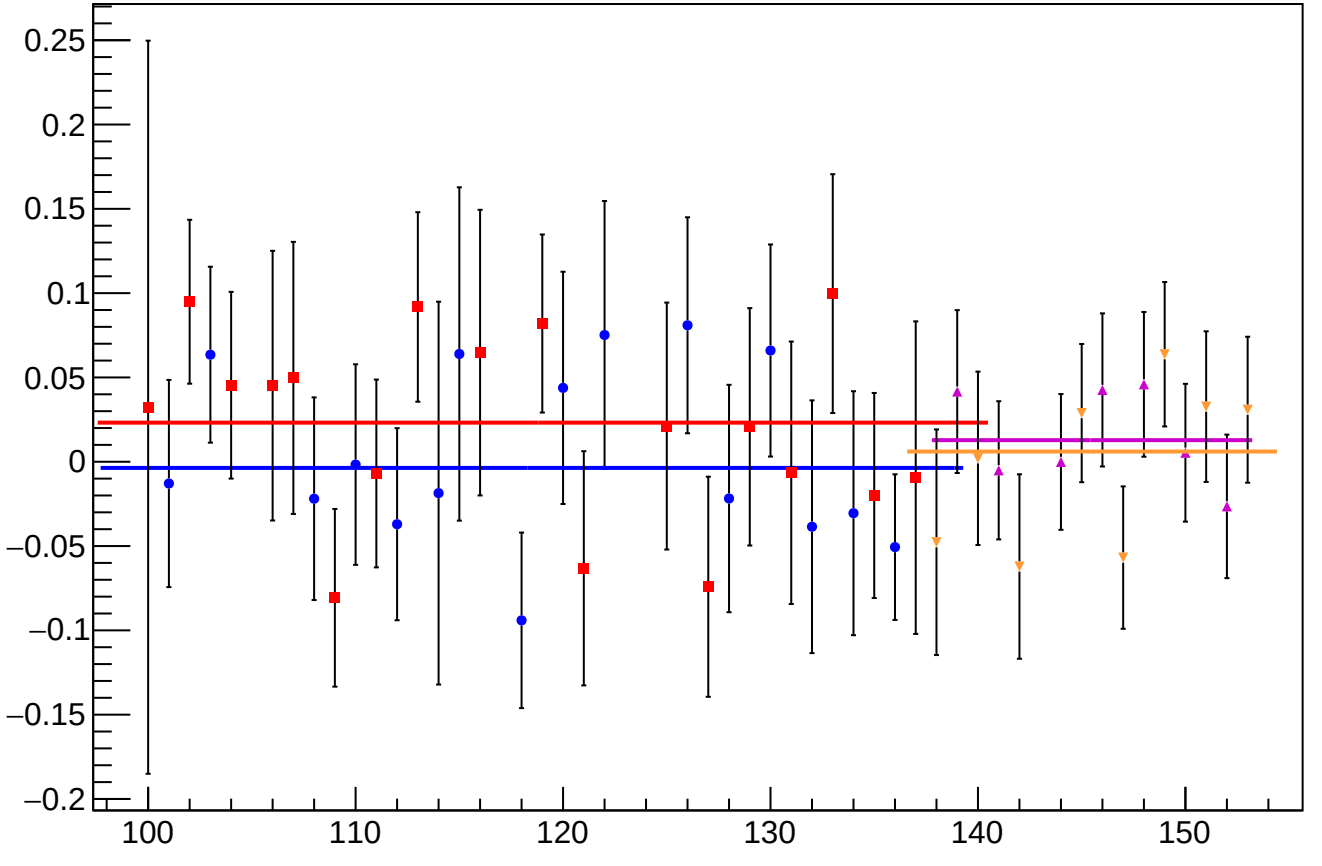
Right: 23.487+/-0.005 χ^2/NDF: 388292.2/33

In: 23.109+/-0.005 χ^2/NDF:390435.3/22

Out: 23.538+/-0.005 χ^2/NDF:506043.7/25

All: 23.320+/-0.003 χ^2/NDF: 900465.2/48

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: 0.006+/-0.017 χ^2/NDF:7.2/7

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

Left In: 0.013+/-0.016 χ^2/NDF:2.6/6

Left: 0.010+/-0.012 χ^2/NDF: 9.9/14

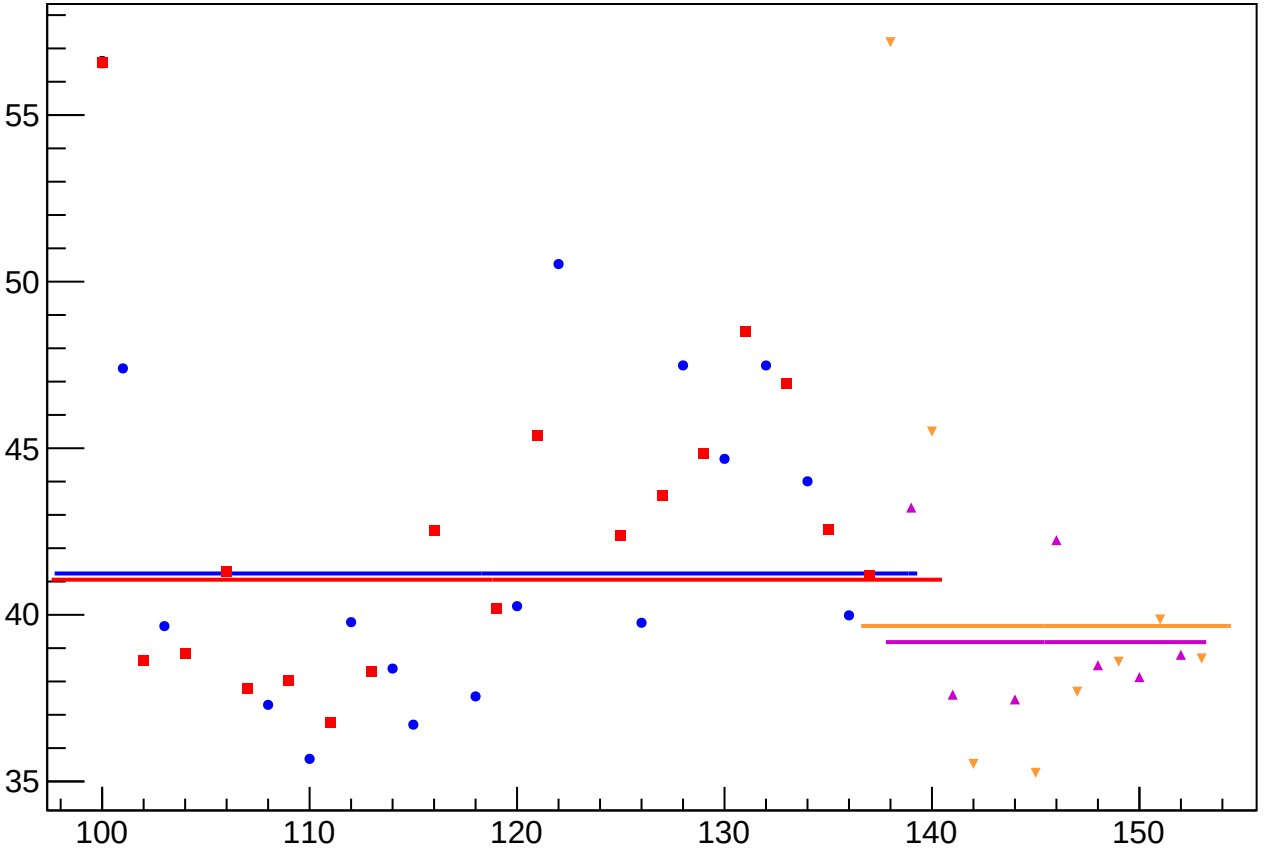
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: 0.004+/-0.011 χ^2/NDF:14.7/22

Out: 0.015+/-0.011 χ^2/NDF:23.2/25

All: 0.010+/-0.008 χ^2/NDF: 38.4/48

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 39.666+/-0.012 χ^2/NDF:204143.8/7

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

Left In: 39.182+/-0.011 χ^2/NDF:31674.8/6

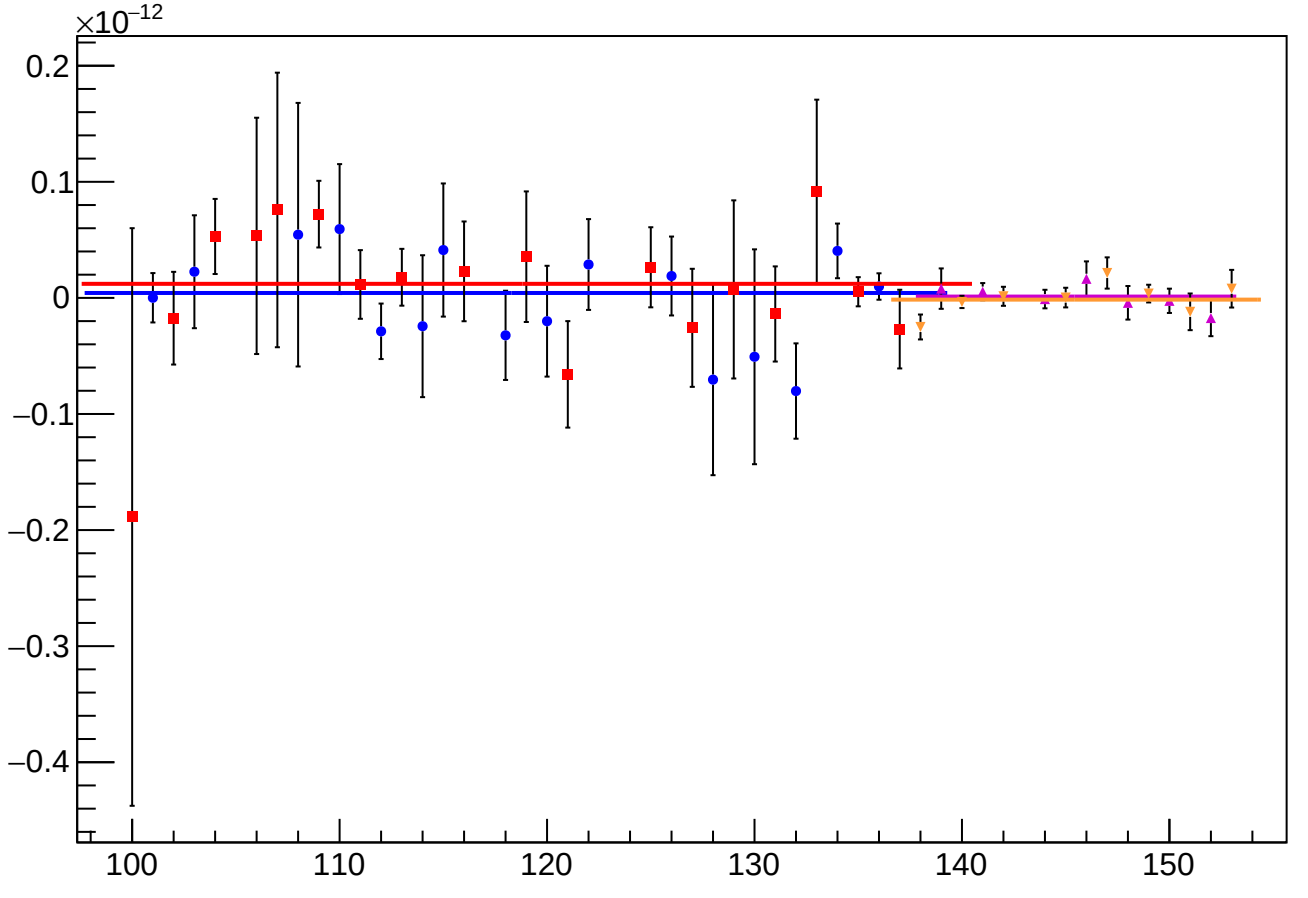
Left: 39.419+/-0.008 χ^2/NDF: 236695.7/14

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

In: 40.240+/-0.008 χ^2/NDF:183588.8/22

Out: 40.403+/-0.008 χ^2/NDF:308217.5/25

All: 40.322+/-0.006 χ^2/NDF: 492015.1/48



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

Left Out: -0.000+/-0.000 χ^2/NDF:9.3/7

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

Left In: 0.000+/-0.000 χ^2/NDF:3.3/6

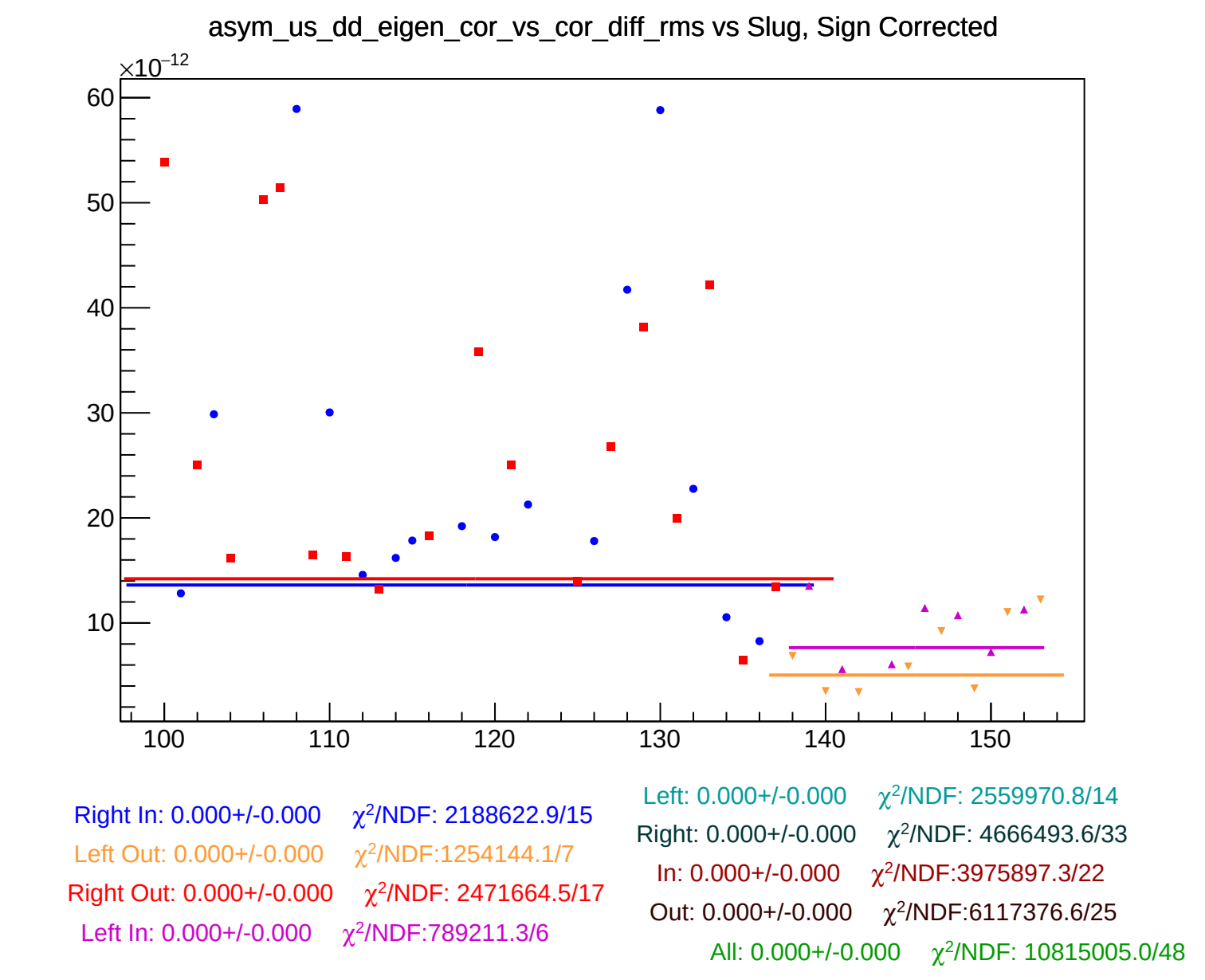
Left: -0.000+/-0.000 χ^2/NDF: 12.8/14

Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

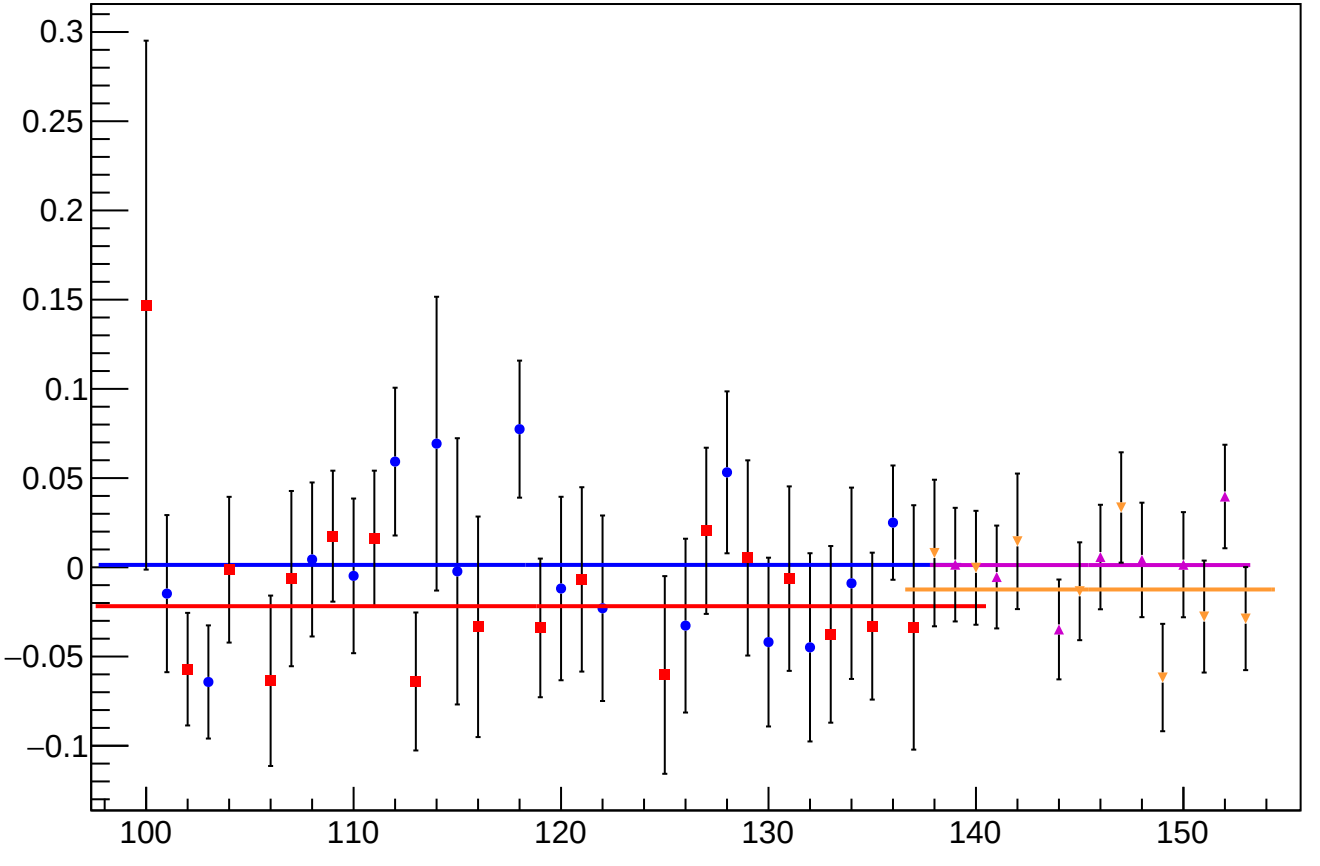
In: 0.000+/-0.000 χ^2/NDF:17.0/22

Out: 0.000+/-0.000 χ^2/NDF:26.5/25

All: 0.000+/-0.000 χ^2/NDF: 43.6/48


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
Right In: 0.000+/-0.000 χ²/NDF: 2188622.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1254144.1/7
Right Out: 0.000+/-0.000 χ²/NDF: 2471664.5/17
Left In: 0.000+/-0.000 χ²/NDF:789211.3/6
Left: 0.000+/-0.000 χ²/NDF: 2559970.8/14
Right: 0.000+/-0.000 χ²/NDF: 4666493.6/33
In: 0.000+/-0.000 χ²/NDF:3975897.3/22
Out: 0.000+/-0.000 χ²/NDF:6117376.6/25
All: 0.000+/-0.000 χ²/NDF: 10815005.0/48

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: -0.012+/-0.011 χ^2/NDF:6.4/7

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

Left In: 0.001+/-0.011 χ^2/NDF:3.5/6

Left: -0.006+/-0.008 χ^2/NDF: 10.6/14

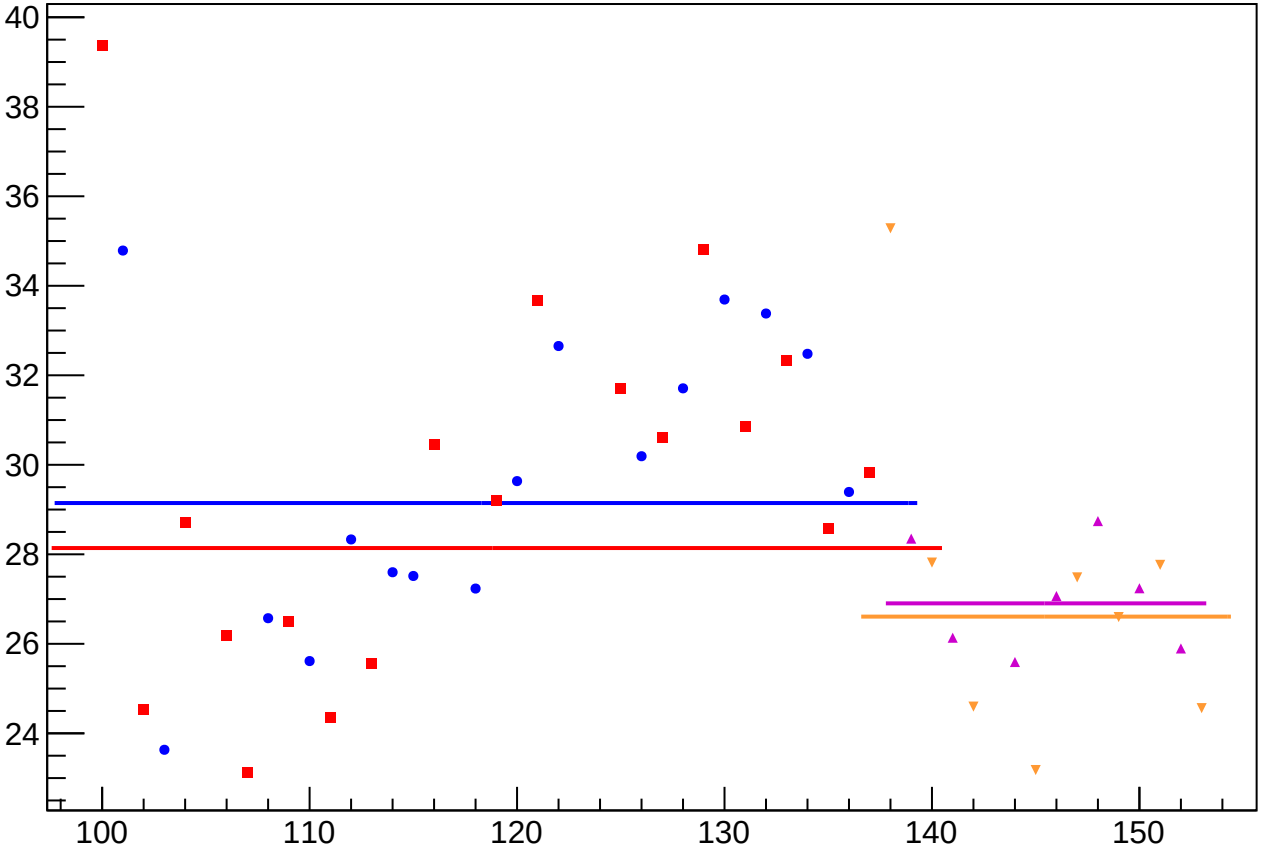
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: 0.001+/-0.008 χ^2/NDF:18.8/22

Out: -0.017+/-0.008 χ^2/NDF:15.8/25

All: -0.008+/-0.006 χ^2/NDF: 37.3/48

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: 26.608+/-0.008 χ^2/NDF:143354.7/7

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

Left In: 26.904+/-0.008 χ^2/NDF:19239.5/6

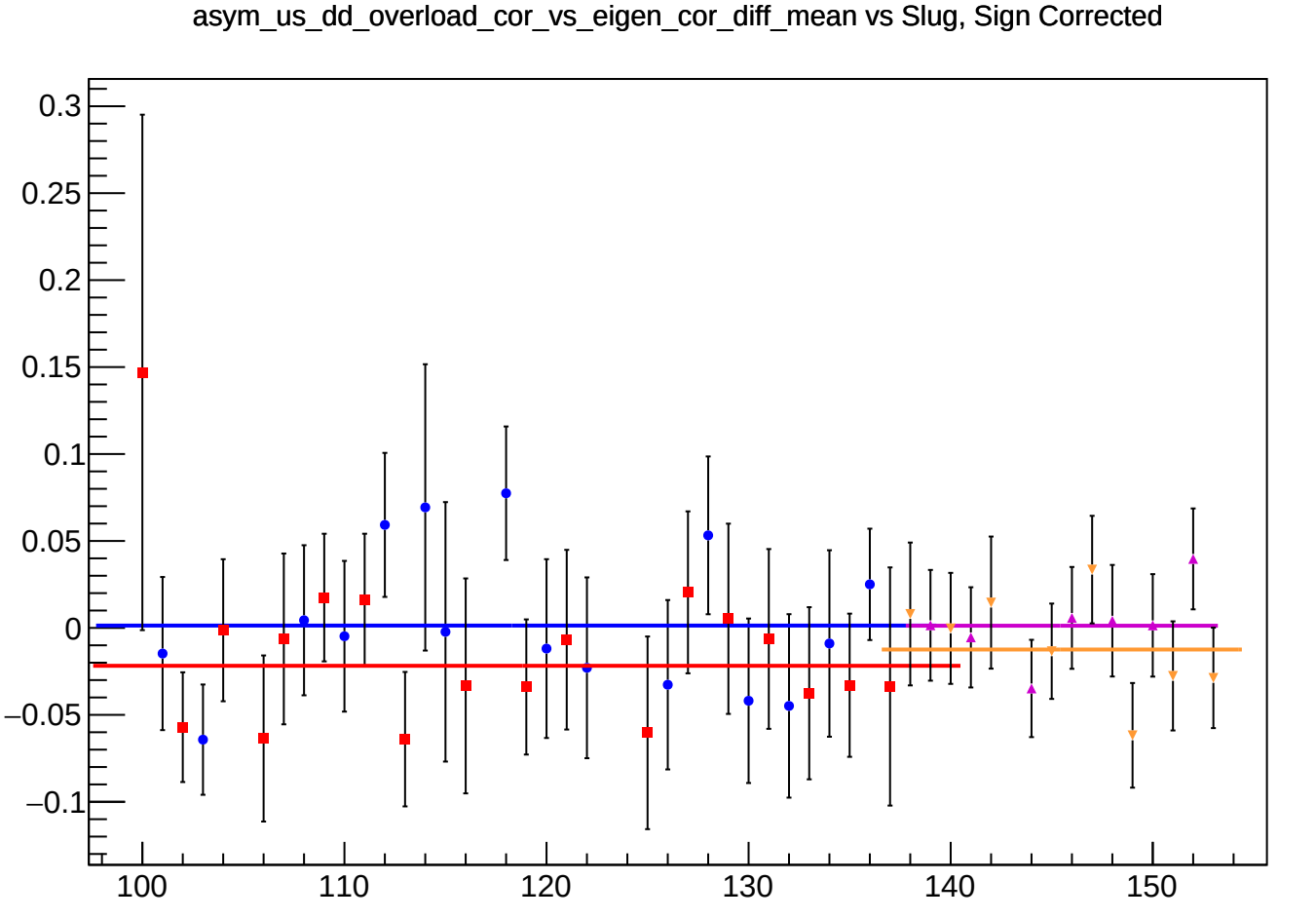
Left: 26.756+/-0.006 χ^2/NDF: 163291.1/14

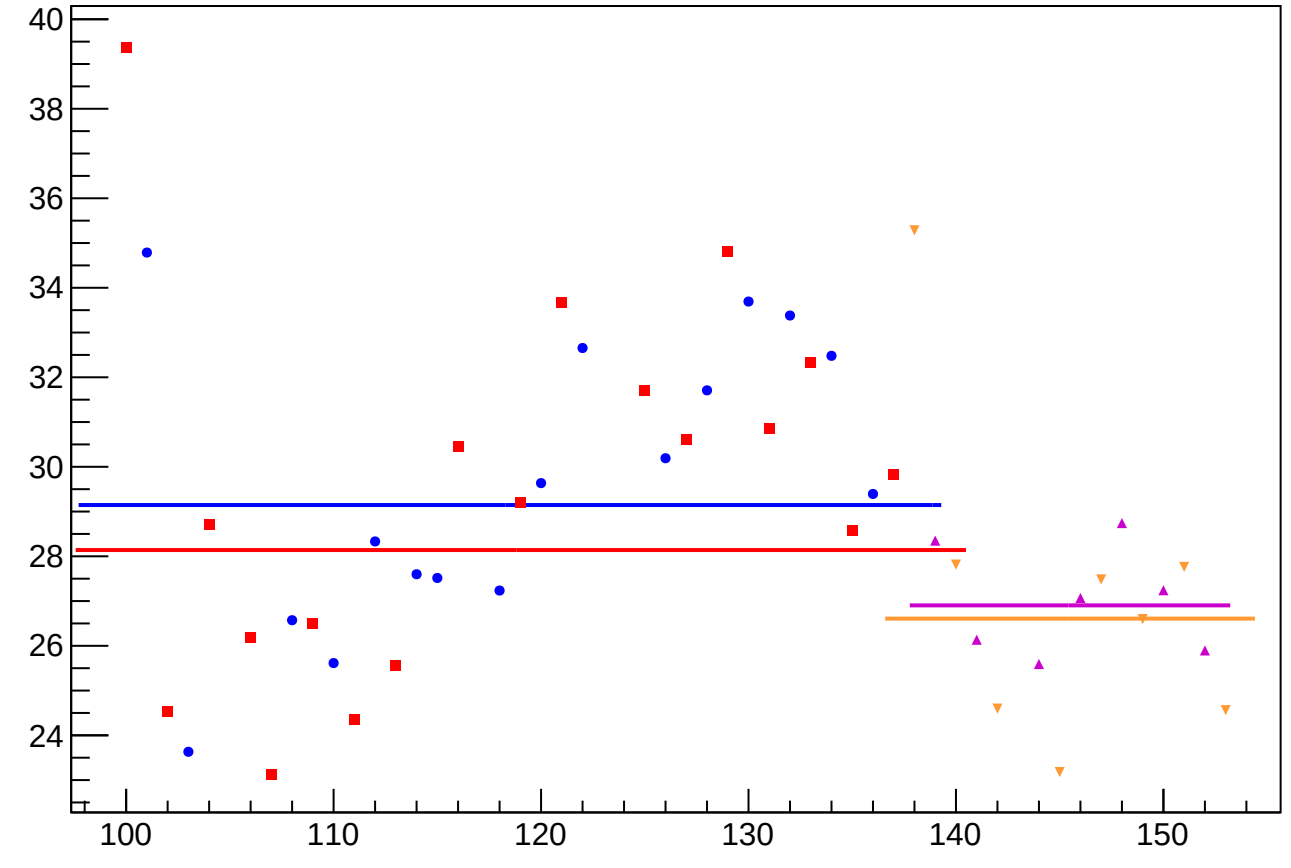
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 28.025+/-0.006 χ^2/NDF:236079.4/22

Out: 27.404+/-0.005 χ^2/NDF:349876.1/25

All: 27.708+/-0.004 χ^2/NDF: 592225.4/48


asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.3
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
Right In: 0.001+/-0.011 χ²/NDF: 15.3/15
Left Out: -0.012+/-0.011 χ²/NDF:6.4/7
Right Out: -0.022+/-0.011 χ²/NDF: 9.0/17
Left In: 0.001+/-0.011 χ²/NDF:3.5/6
Left: -0.006+/-0.008 χ²/NDF: 10.6/14
Right: -0.011+/-0.008 χ²/NDF: 26.5/33
In: 0.001+/-0.008 χ²/NDF:18.8/22
Out: -0.017+/-0.008 χ²/NDF:15.8/25
All: -0.008+/-0.006 χ²/NDF: 37.3/48



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

Left Out: 26.608+/-0.008 χ^2/NDF:143354.7/7

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

Left In: 26.904+/-0.008 χ^2/NDF:19239.5/6

Left: 26.756+/-0.006 χ^2/NDF: 163291.1/14

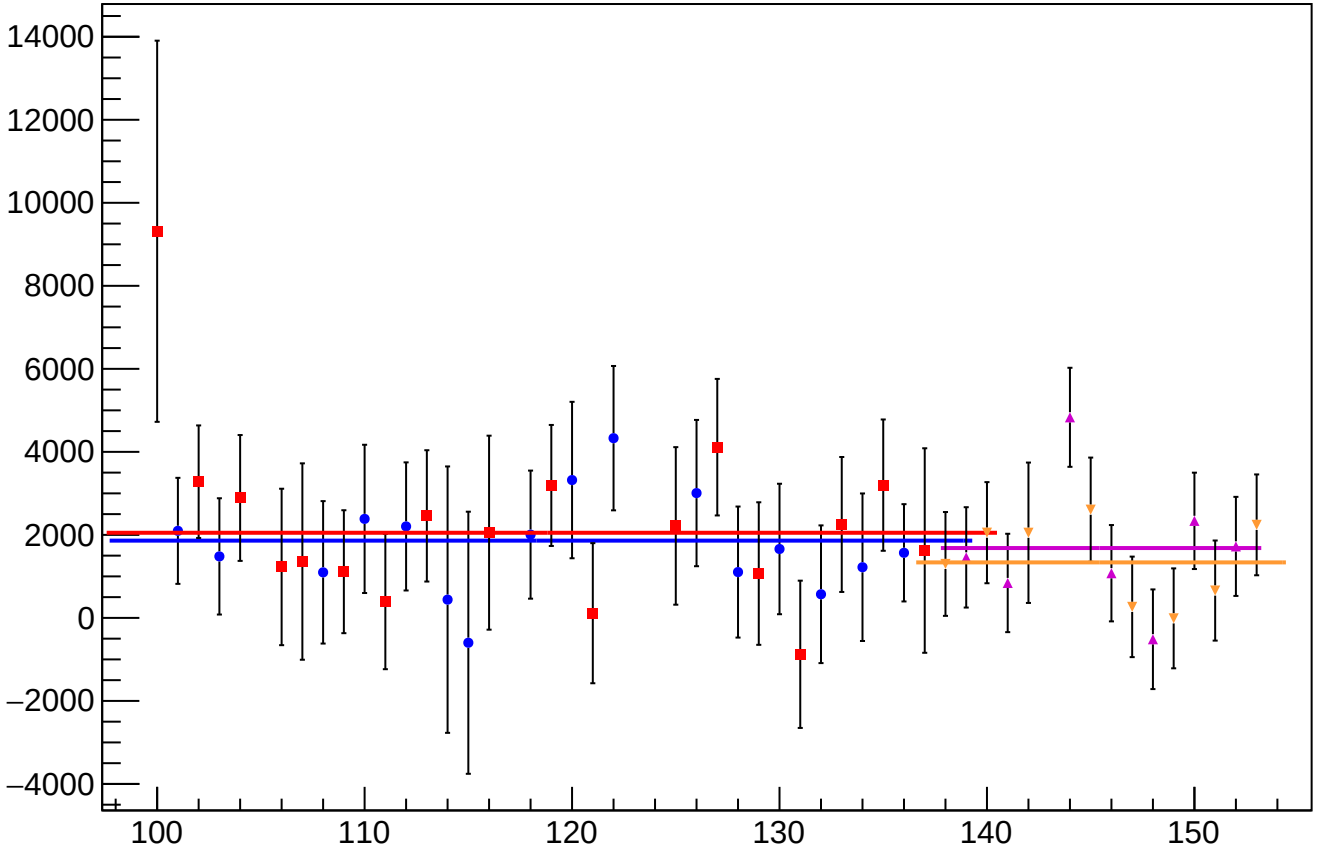
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 28.025+/-0.006 χ^2/NDF:236079.4/22

Out: 27.404+/-0.005 χ^2/NDF:349876.1/25

All: 27.708+/-0.004 χ^2/NDF: 592225.4/48

reg_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1337.041+/-445.631 χ^2/NDF:4.5/7

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

Left In: 1682.850+/-448.101 χ^2/NDF:11.5/6

Left: 1508.990+/-315.978 χ^2/NDF: 16.2/14

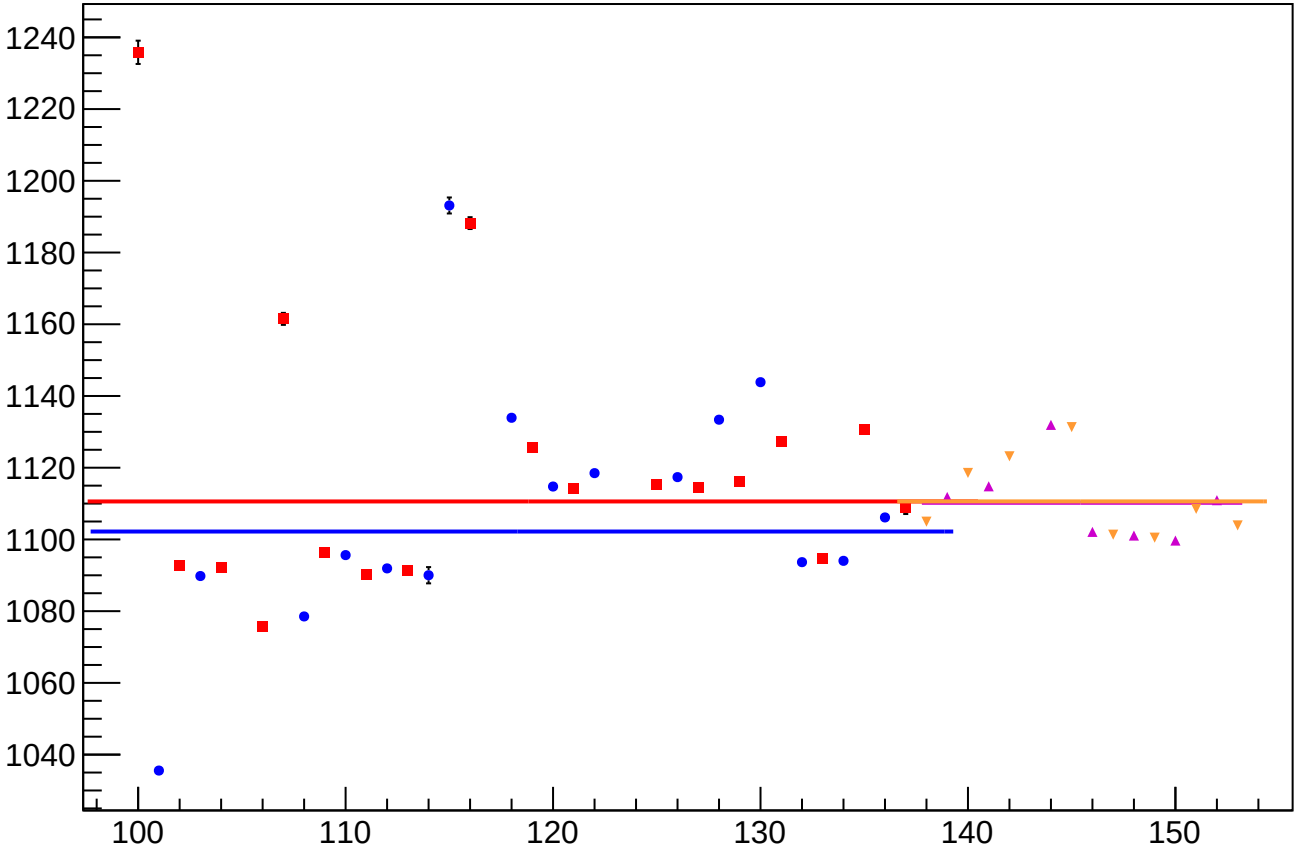
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1780.208+/-302.297 χ^2/NDF:16.9/22

Out: 1724.265+/-301.425 χ^2/NDF:18.4/25

All: 1752.156+/-213.447 χ^2/NDF: 35.3/48

reg_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1110.606+/-0.315 χ^2/NDF:1106.2/7

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

Left In: 1110.216+/-0.317 χ^2/NDF:1076.2/6

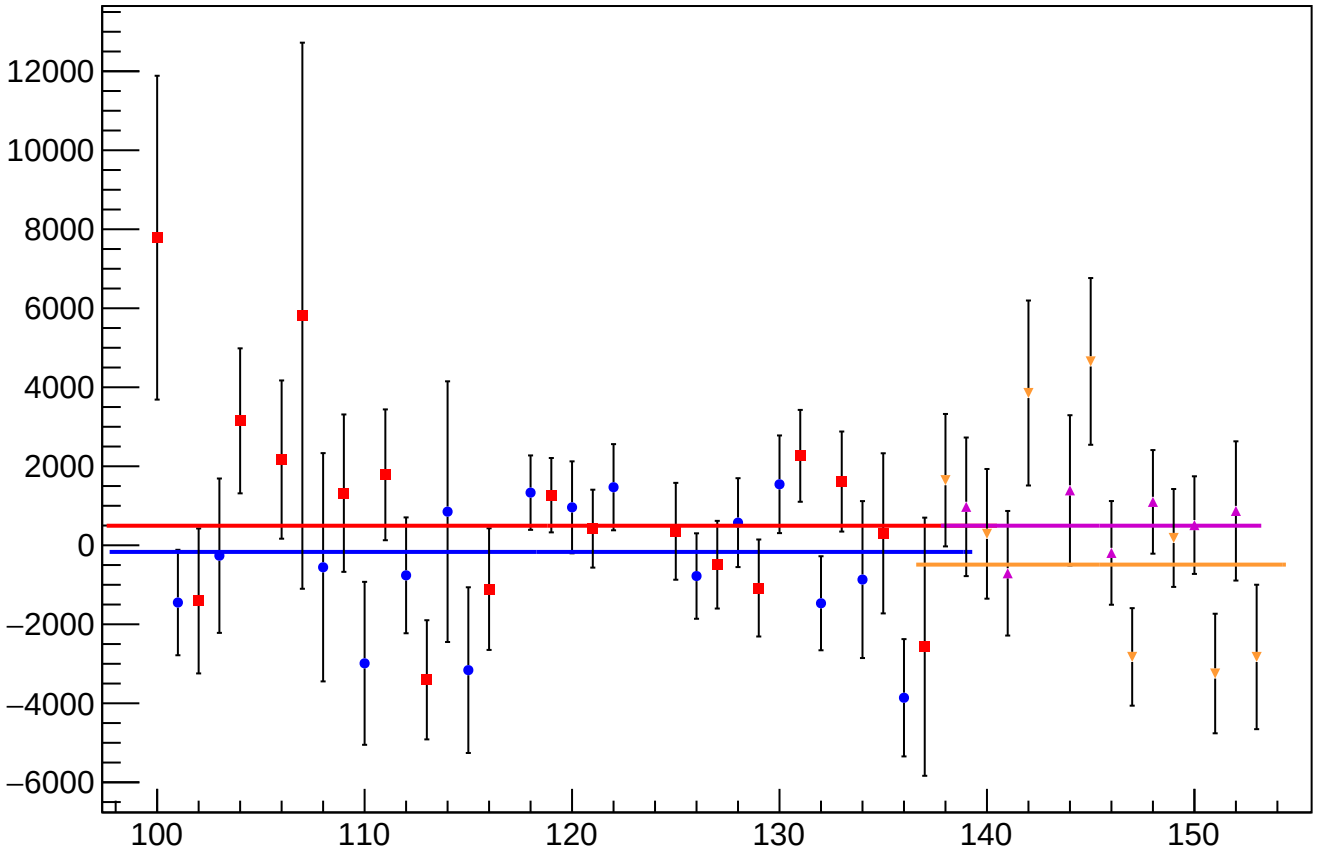
Left: 1110.412+/-0.223 χ^2/NDF: 2183.2/14

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

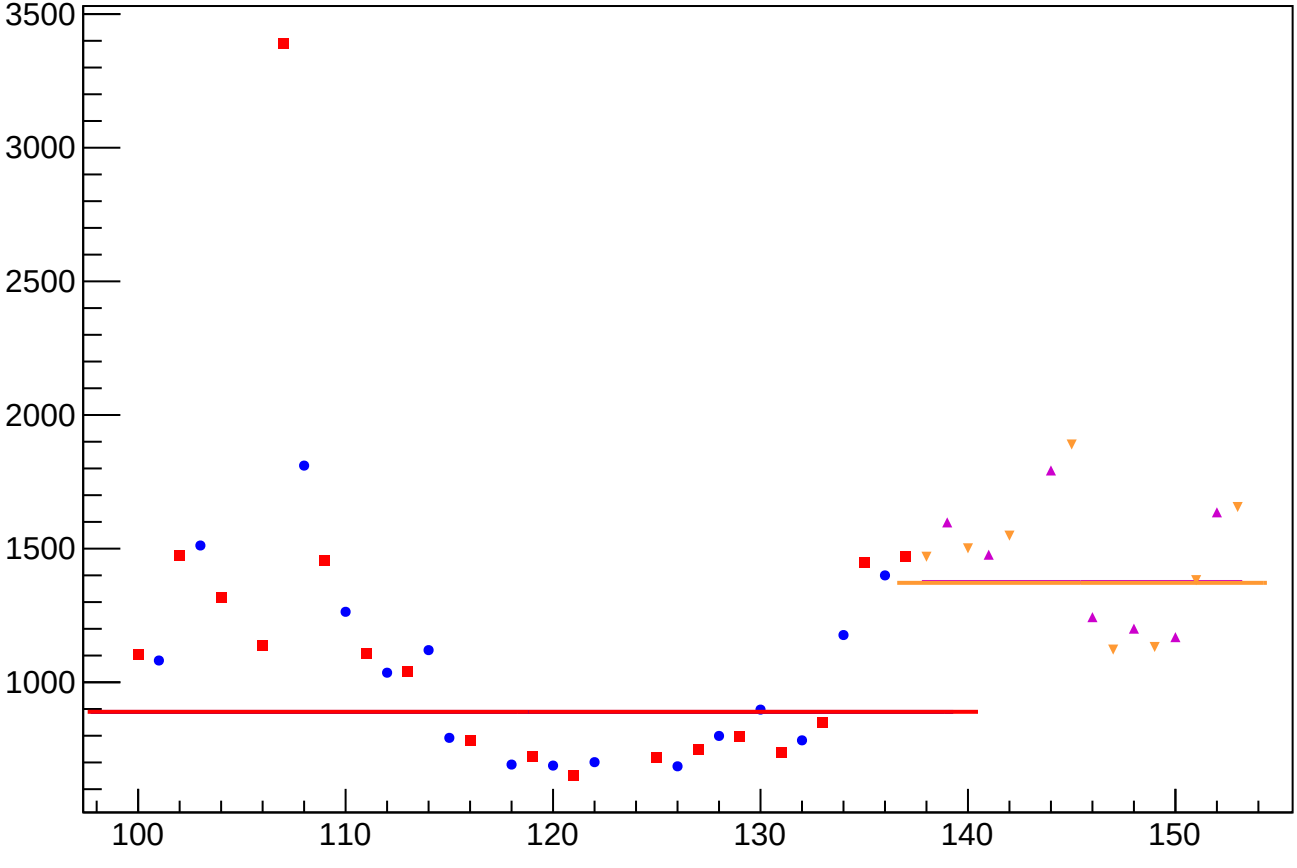
In: 1105.851+/-0.214 χ^2/NDF:12773.4/22

Out: 1110.598+/-0.213 χ^2/NDF:8802.3/25

All: 1108.231+/-0.151 χ^2/NDF: 21823.0/48


asym_usl_reg_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
Right In: -167.891+/-345.441 χ²/NDF: 21.0/15
Left Out: -489.160+/-561.025 χ²/NDF:20.1/7
Right Out: 495.172+/-345.054 χ²/NDF: 23.3/17
Left In: 495.919+/-564.131 χ²/NDF:1.4/6
Left: 0.660+/-397.798 χ²/NDF: 23.0/14
Right: 164.012+/-244.127 χ²/NDF: 46.1/33
In: 13.135+/-294.597 χ²/NDF:23.4/22
Out: 225.016+/-293.913 χ²/NDF:45.6/25
All: 119.322+/-208.069 χ²/NDF: 69.3/48

asym_usl_reg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1372.031+/-0.397 χ^2/NDF:355943.3/7

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

Left In: 1375.192+/-0.399 χ^2/NDF:292048.9/6

Left: 1373.603+/-0.281 χ^2/NDF: 648023.7/14

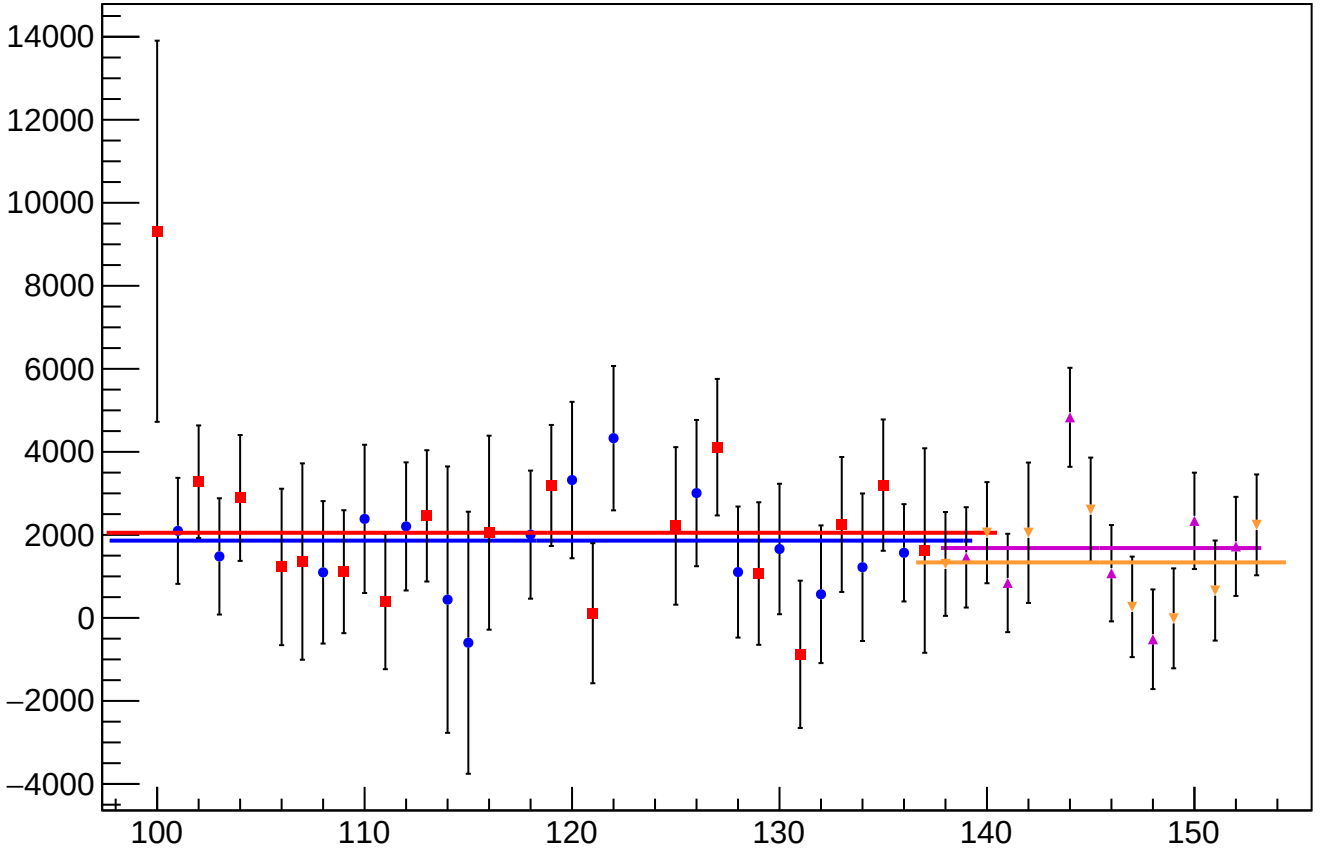
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1021.557+/-0.208 χ^2/NDF:2505438.8/22

Out: 1021.918+/-0.208 χ^2/NDF:2775235.8/25

All: 1021.738+/-0.147 χ^2/NDF: 5280676.1/48

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1337.041+/-445.631 χ^2/NDF:4.5/7

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

Left In: 1682.850+/-448.101 χ^2/NDF:11.5/6

Left: 1508.990+/-315.978 χ^2/NDF: 16.2/14

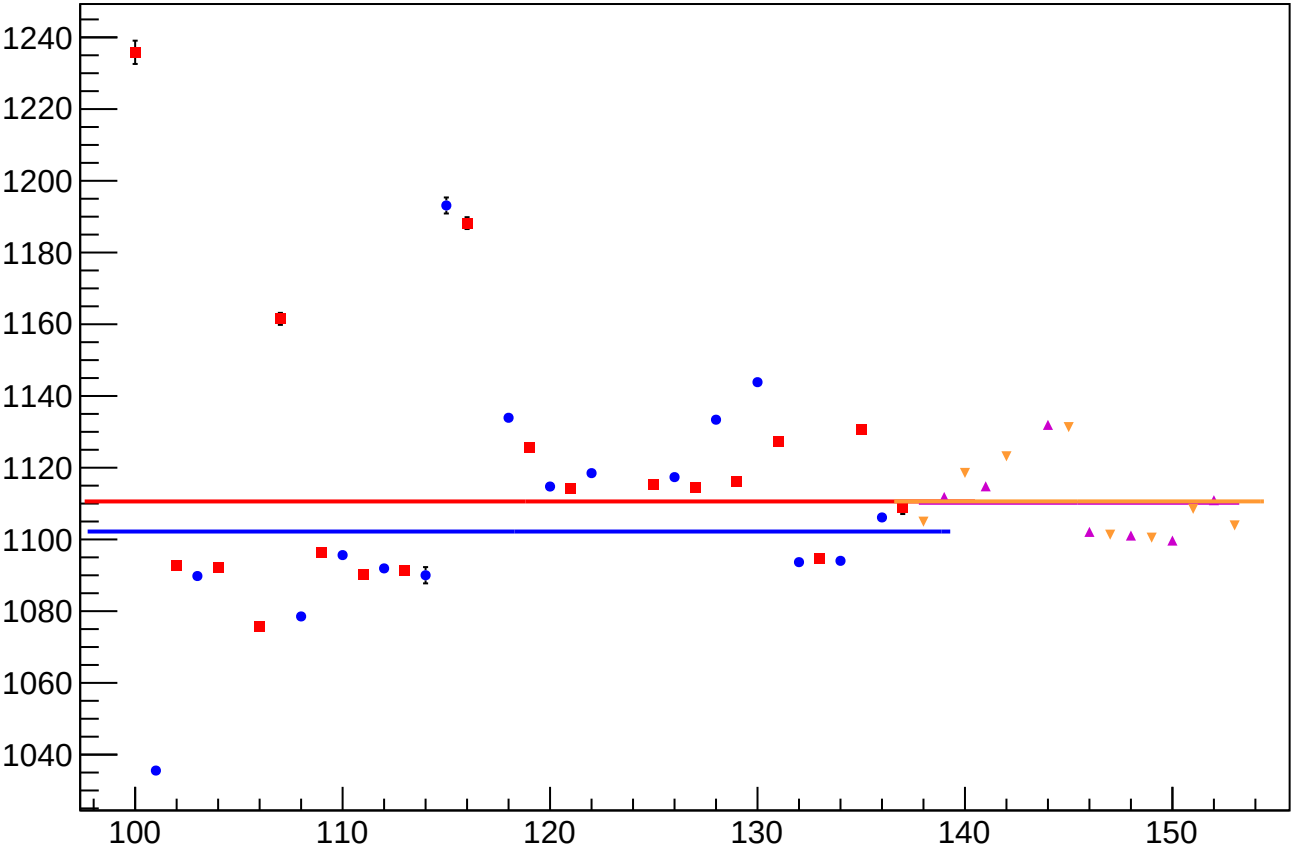
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1780.208+/-302.297 χ^2/NDF:16.9/22

Out: 1724.265+/-301.425 χ^2/NDF:18.4/25

All: 1752.156+/-213.447 χ^2/NDF: 35.3/48

cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1110.606+/-0.315 χ^2/NDF:1106.2/7

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

Left In: 1110.216+/-0.317 χ^2/NDF:1076.2/6

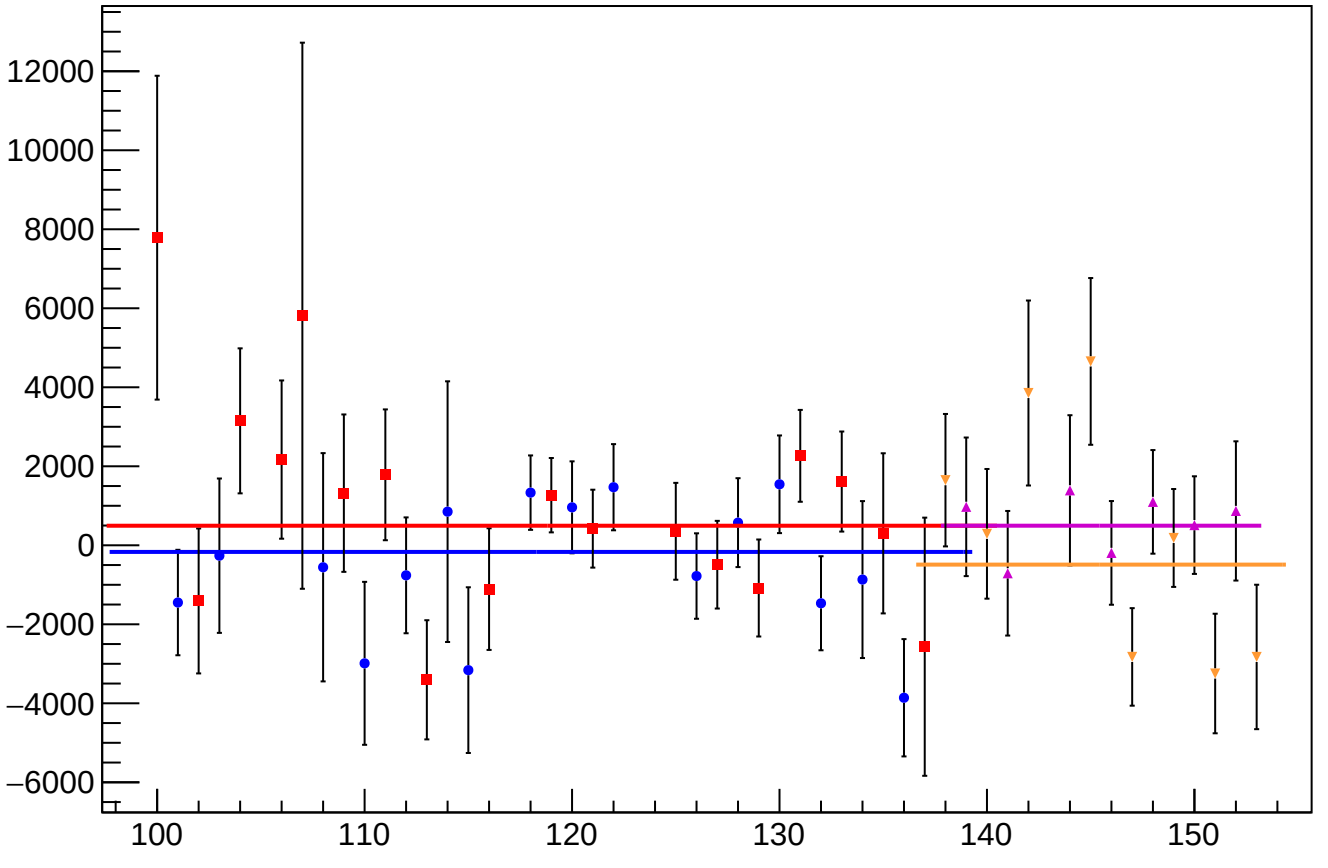
Left: 1110.412+/-0.223 χ^2/NDF: 2183.2/14

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

In: 1105.851+/-0.214 χ^2/NDF:12773.4/22

Out: 1110.598+/-0.213 χ^2/NDF:8802.3/25

All: 1108.231+/-0.151 χ^2/NDF: 21823.0/48



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

Left Out: -489.160+/-561.025 χ^2/NDF:20.1/7

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

Left In: 495.919+/-564.131 χ^2/NDF:1.4/6

Left: 0.660+/-397.798 χ^2/NDF: 23.0/14

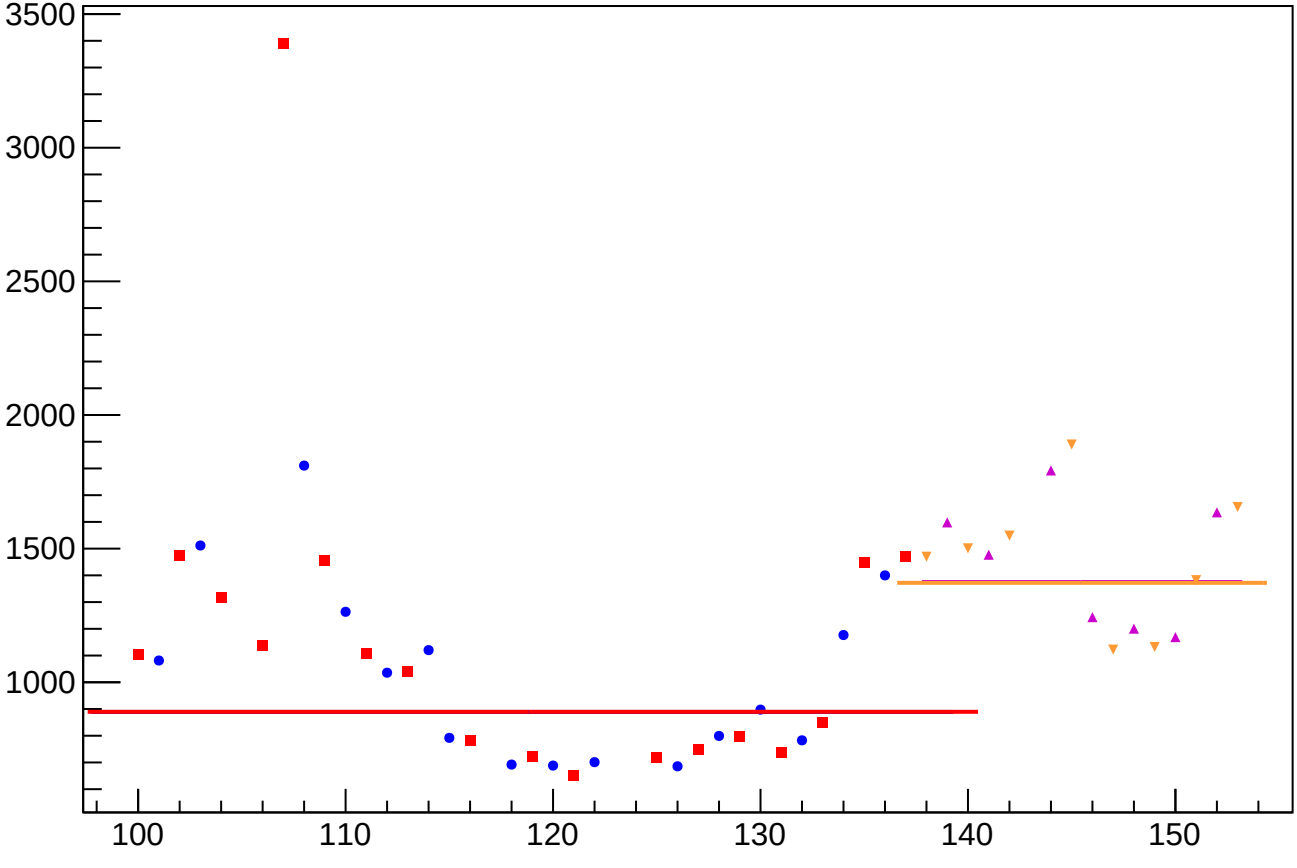
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: 13.135+/-294.597 χ^2/NDF:23.4/22

Out: 225.016+/-293.913 χ^2/NDF:45.6/25

All: 119.322+/-208.069 χ^2/NDF: 69.3/48

asym_usl_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1372.031+/-0.397 χ^2/NDF:355943.3/7

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

Left In: 1375.192+/-0.399 χ^2/NDF:292048.9/6

Left: 1373.603+/-0.281 χ^2/NDF: 648023.7/14

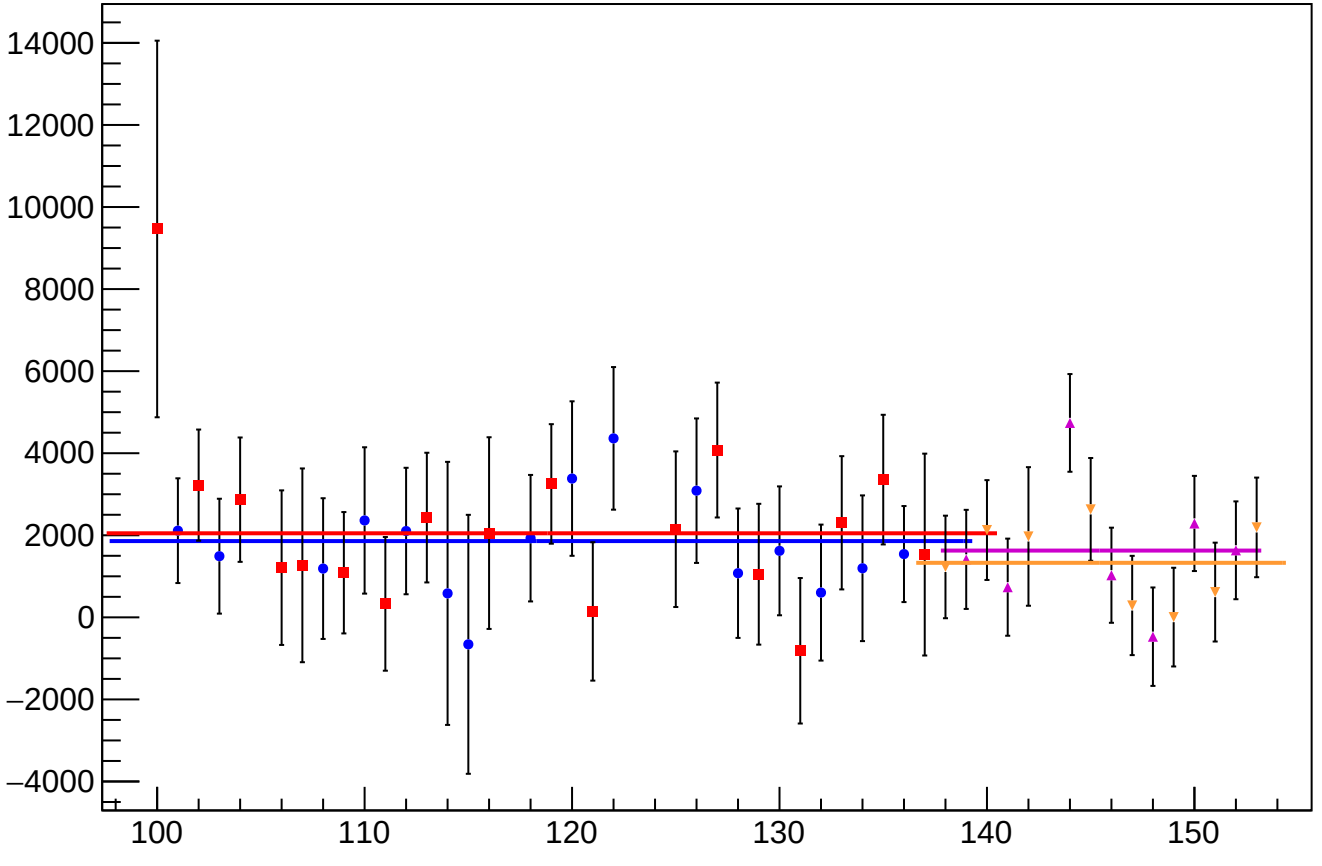
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1021.557+/-0.208 χ^2/NDF:2505438.8/22

Out: 1021.918+/-0.208 χ^2/NDF:2775235.8/25

All: 1021.738+/-0.147 χ^2/NDF: 5280676.1/48

overload_cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1328.997+/-445.140 χ^2/NDF:4.5/7

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

Left In: 1627.419+/-447.599 χ^2/NDF:11.1/6

Left: 1477.386+/-315.627 χ^2/NDF: 15.8/14

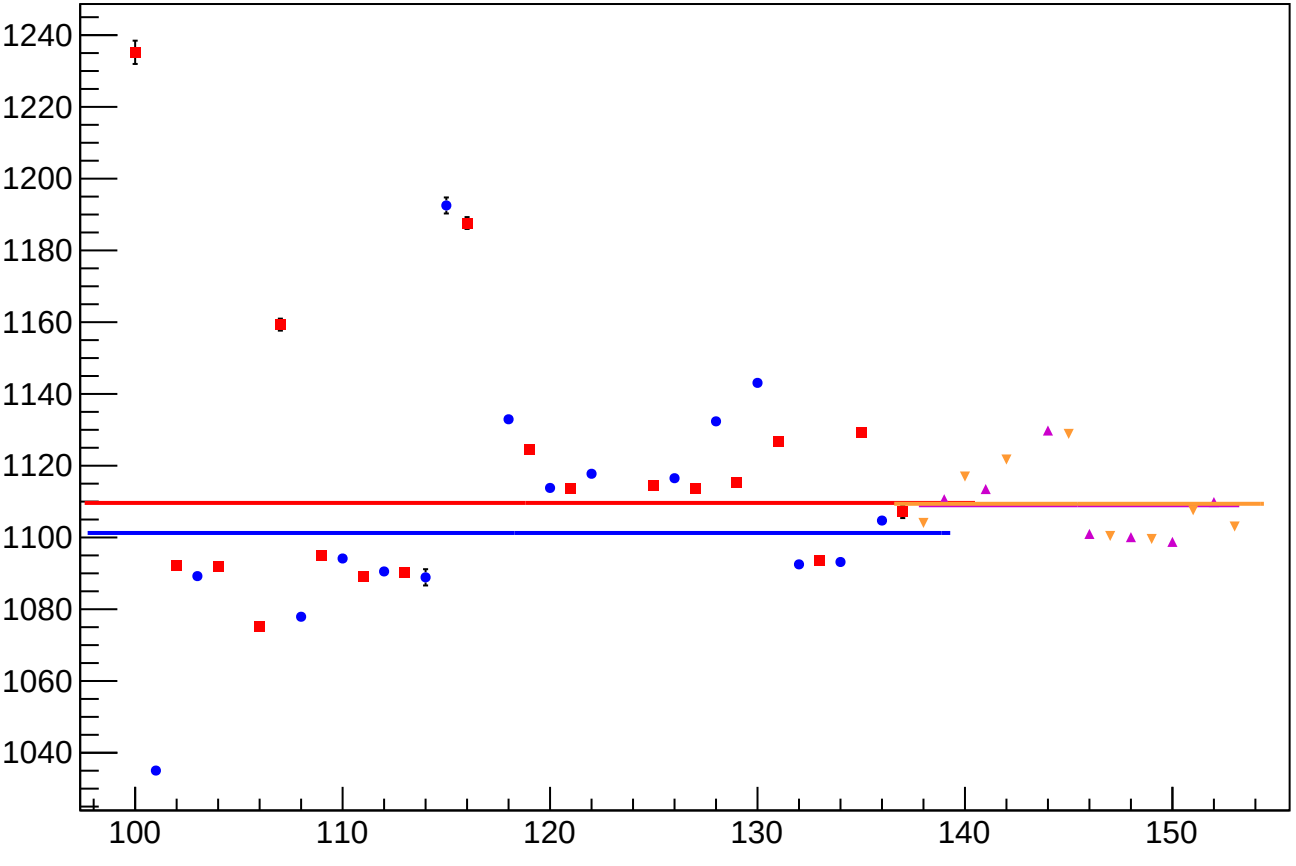
Right: 1953.743+/-289.229 χ^2/NDF: 18.3/33

In: 1753.403+/-302.000 χ^2/NDF:16.7/22

Out: 1719.324+/-301.131 χ^2/NDF:18.6/25

All: 1736.315+/-213.239 χ^2/NDF: 35.3/48

overload_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1109.386+/-0.315 χ^2/NDF:1006.9/7

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

Left In: 1108.977+/-0.317 χ^2/NDF:1005.9/6

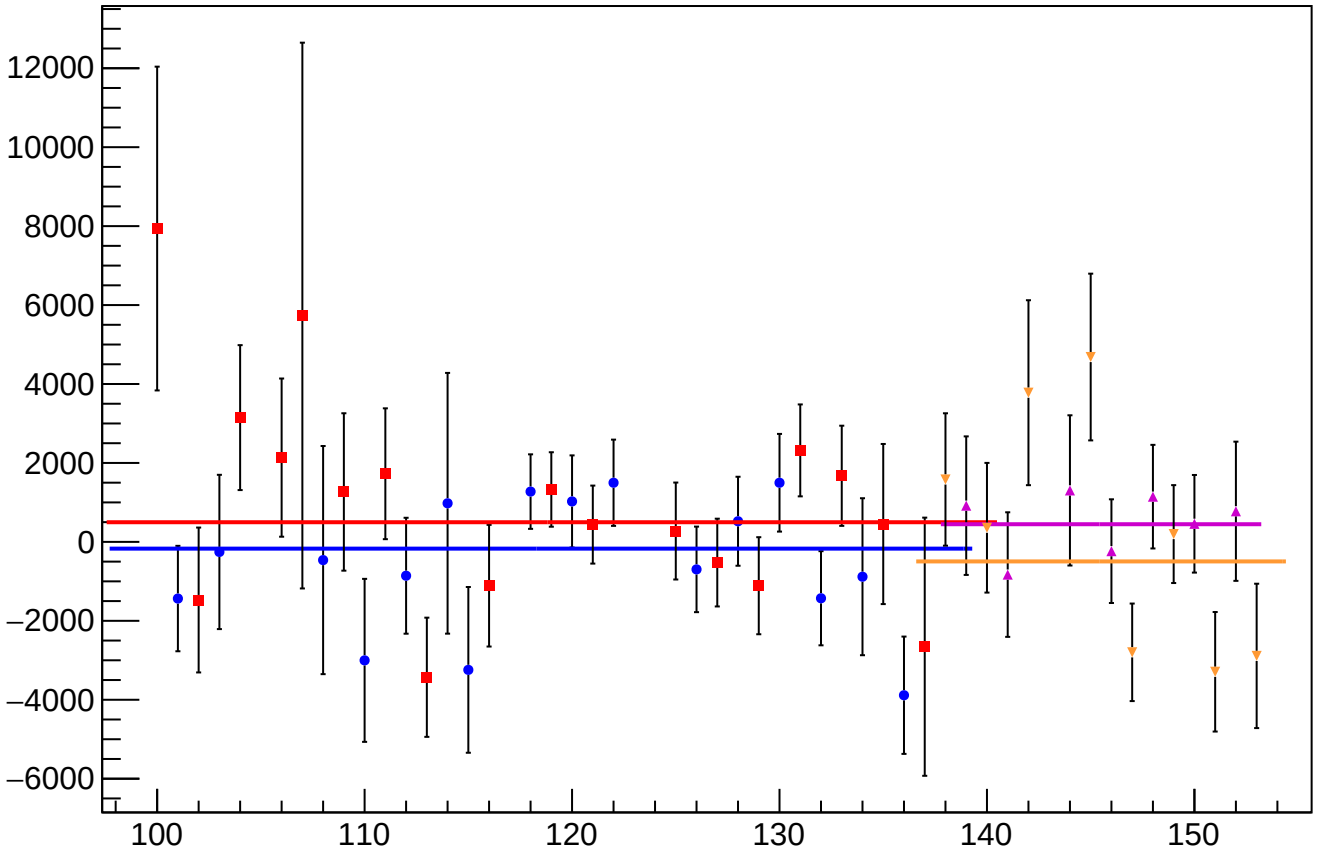
Left: 1109.183+/-0.223 χ^2/NDF: 2013.6/14

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

In: 1104.770+/-0.214 χ^2/NDF:12638.4/22

Out: 1109.518+/-0.213 χ^2/NDF:8680.3/25

All: 1107.151+/-0.151 χ^2/NDF: 21566.6/48



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

Left Out: -494.996+/-561.405 χ^2/NDF:20.1/7

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

Left In: 447.459+/-564.516 χ^2/NDF:1.5/6

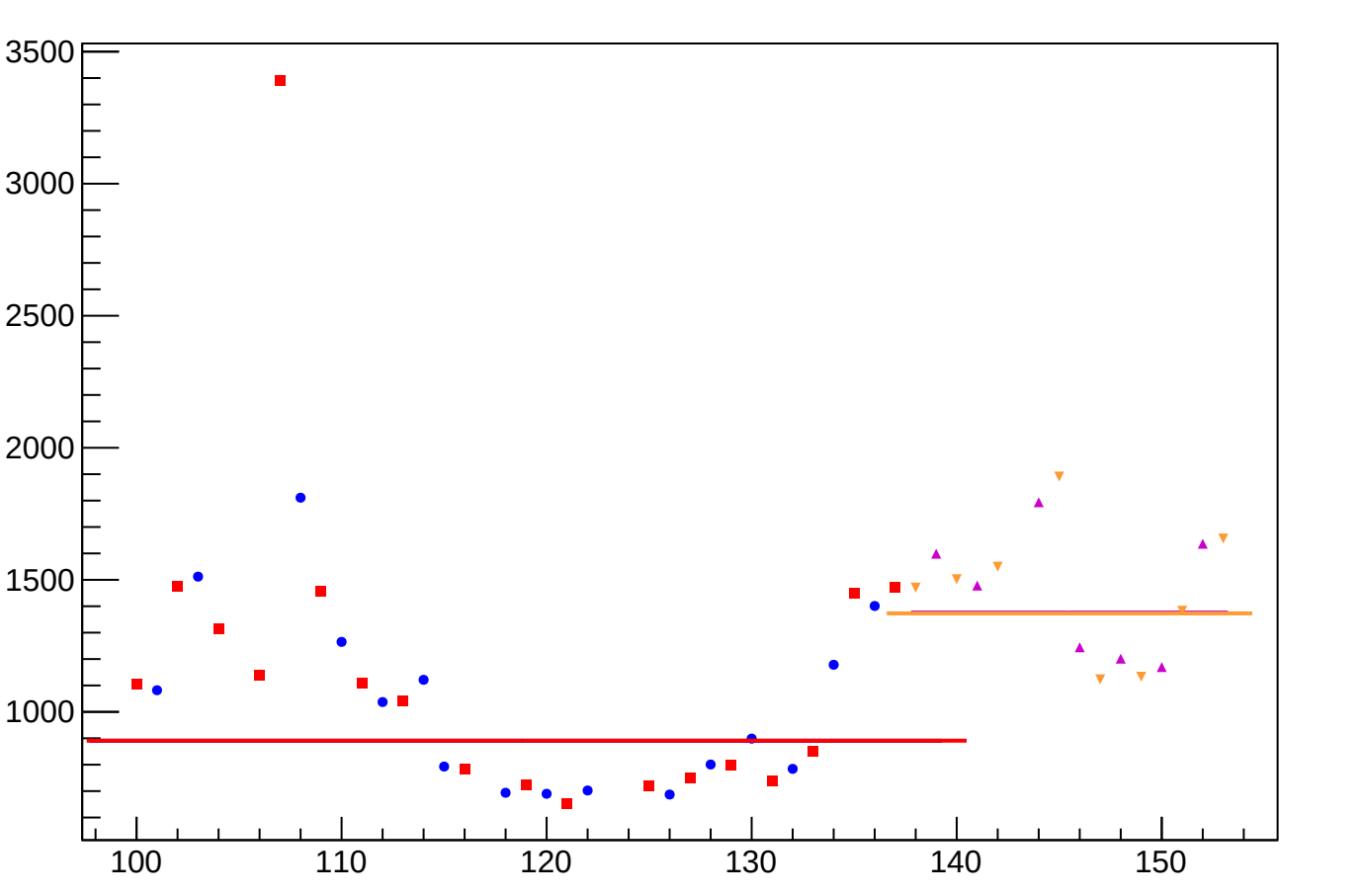
Left: -26.373+/-398.069 χ^2/NDF: 23.0/14

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

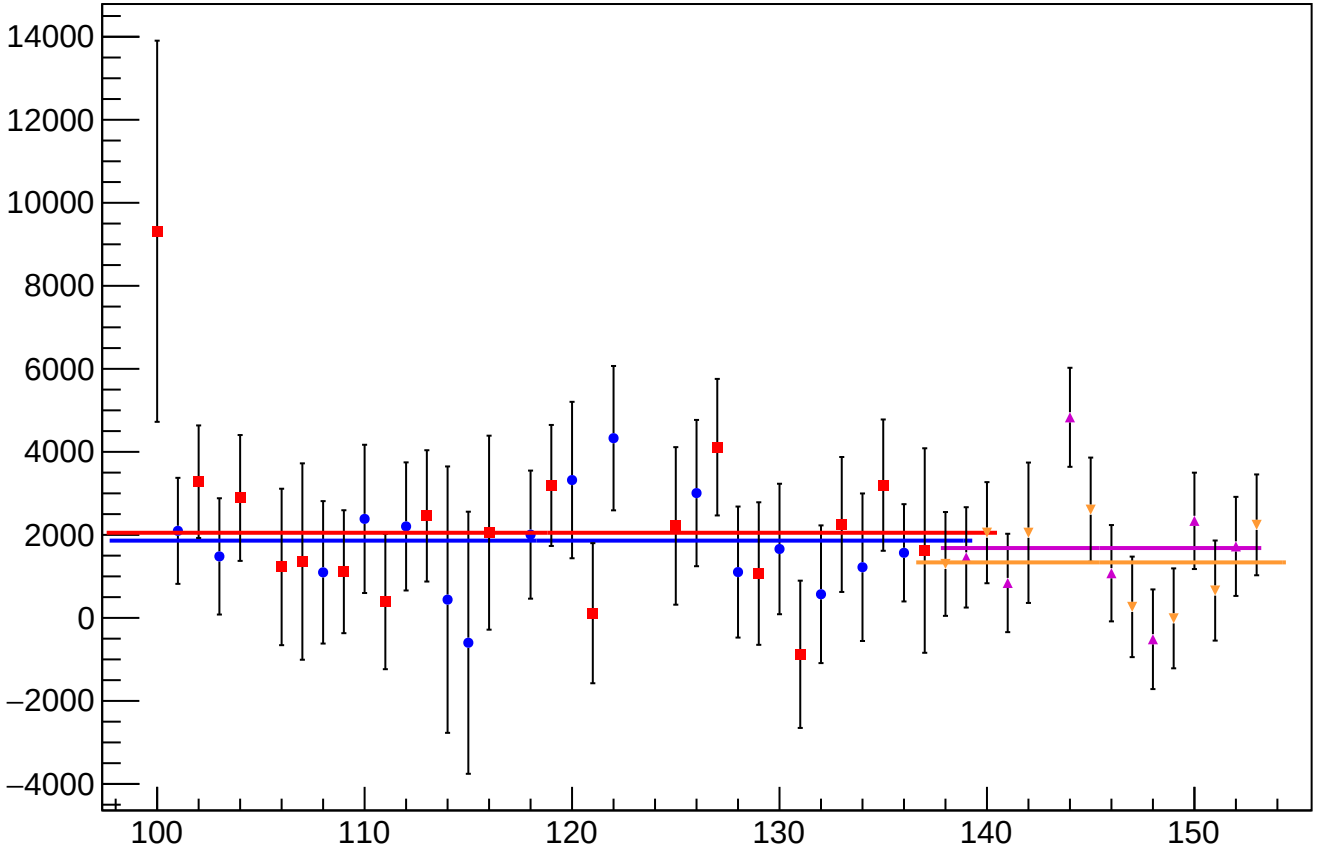
In: -2.075+/-294.986 χ^2/NDF:23.3/22

Out: 225.117+/-294.283 χ^2/NDF:46.2/25

All: 111.792+/-208.338 χ^2/NDF: 69.8/48


asym_usl_overload_cor_correction_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
Right In: 890.495+/-0.245 χ²/NDF: 1128739.3/15
Left Out: 1372.990+/-0.397 χ²/NDF:355594.4/7
Right Out: 890.938+/-0.244 χ²/NDF: 1341804.2/17
Left In: 1376.155+/-0.399 χ²/NDF:291795.0/6
Left: 1374.563+/-0.281 χ²/NDF: 647420.9/14
Right: 890.717+/-0.173 χ²/NDF: 2470545.1/33
In: 1023.107+/-0.209 χ²/NDF:2496609.7/22
Out: 1023.395+/-0.208 χ²/NDF:2766788.0/25
All: 1023.251+/-0.147 χ²/NDF: 5263398.6/48

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1337.041+/-445.631 χ^2/NDF:4.5/7

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

Left In: 1682.850+/-448.101 χ^2/NDF:11.5/6

Left: 1508.990+/-315.978 χ^2/NDF: 16.2/14

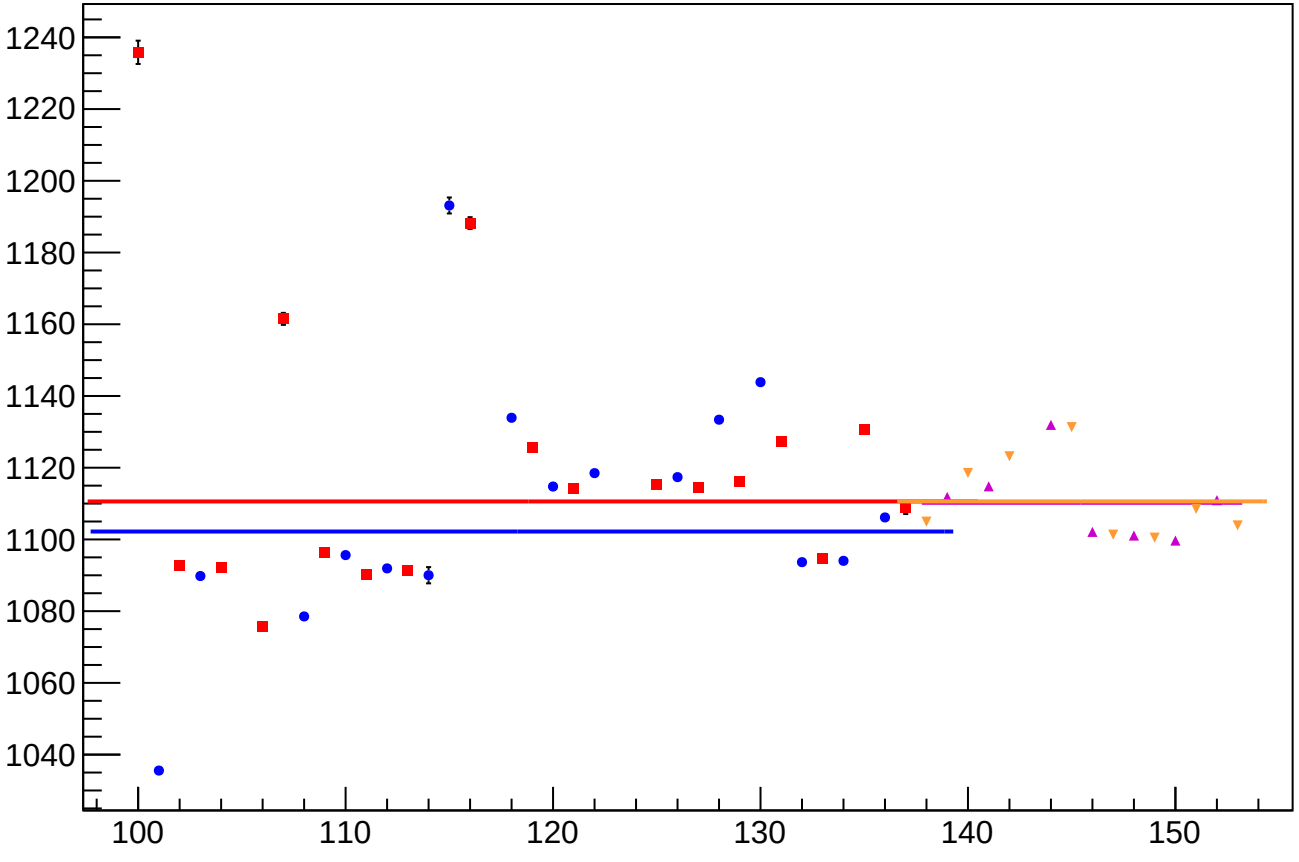
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1780.208+/-302.297 χ^2/NDF:16.9/22

Out: 1724.265+/-301.425 χ^2/NDF:18.4/25

All: 1752.156+/-213.447 χ^2/NDF: 35.3/48

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1110.606+/-0.315 χ^2/NDF:1106.2/7

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

Left In: 1110.216+/-0.317 χ^2/NDF:1076.2/6

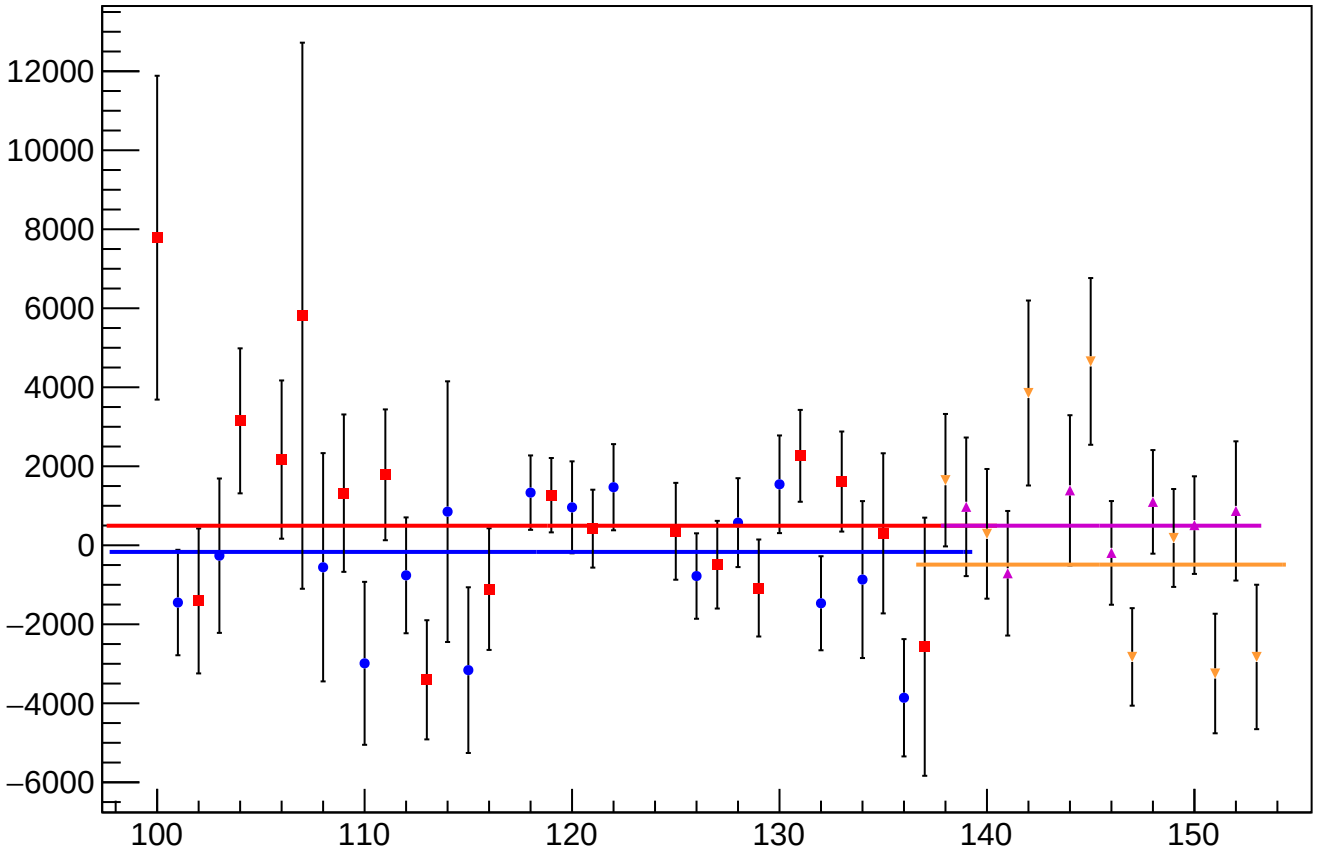
Left: 1110.412+/-0.223 χ^2/NDF: 2183.2/14

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

In: 1105.851+/-0.214 χ^2/NDF:12773.4/22

Out: 1110.598+/-0.213 χ^2/NDF:8802.3/25

All: 1108.231+/-0.151 χ^2/NDF: 21823.0/48



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

Left Out: -489.160+/-561.025 χ^2/NDF:20.1/7

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

Left In: 495.919+/-564.131 χ^2/NDF:1.4/6

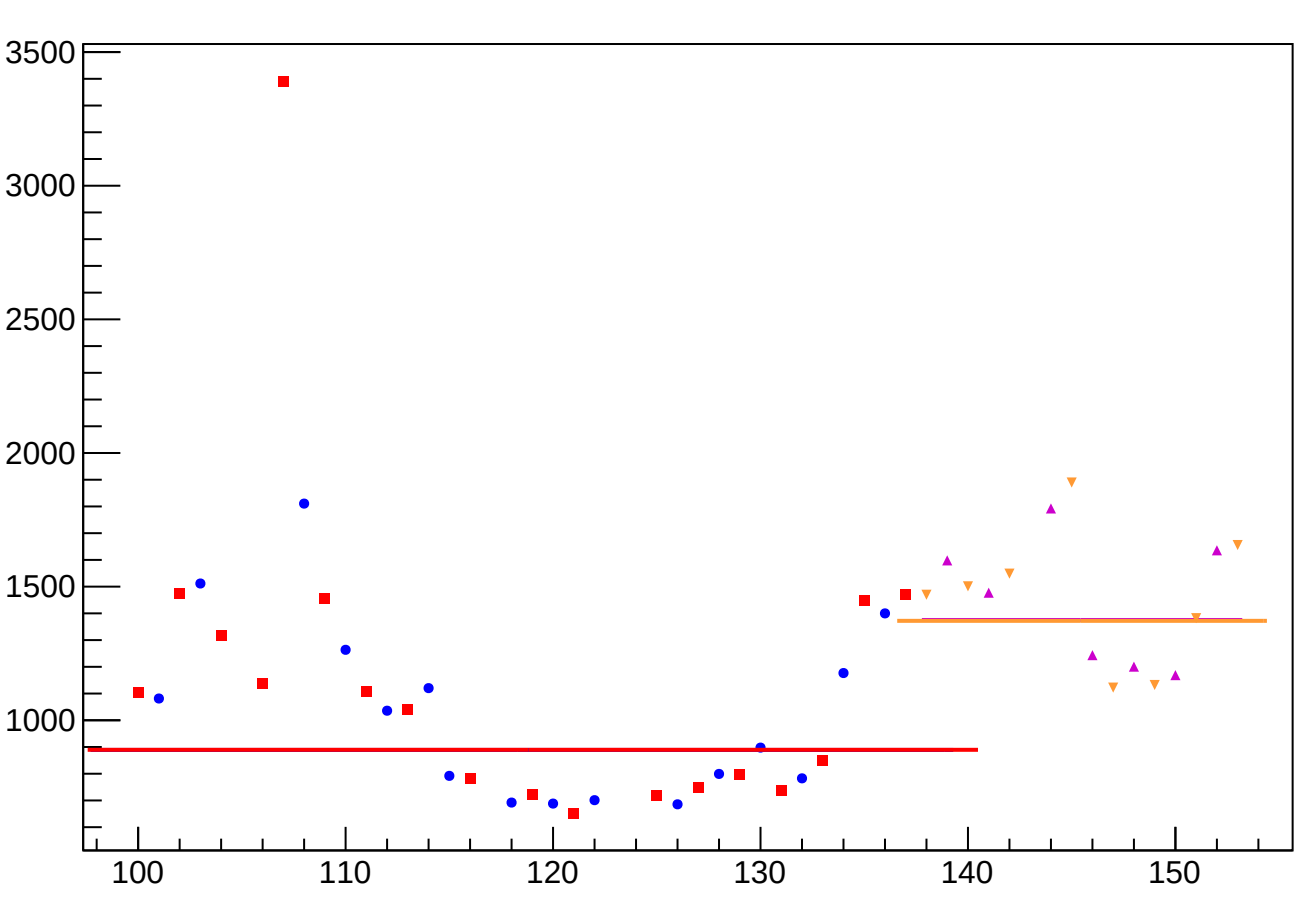
Left: 0.660+/-397.798 χ^2/NDF: 23.0/14

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

In: 13.135+/-294.597 χ^2/NDF:23.4/22

Out: 225.016+/-293.913 χ^2/NDF:45.6/25

All: 119.322+/-208.069 χ^2/NDF: 69.3/48



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

Left Out: 1372.031+/-0.397 χ^2/NDF:355943.3/7

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

Left In: 1375.192+/-0.399 χ^2/NDF:292048.9/6

Left: 1373.603+/-0.281 χ^2/NDF: 648023.7/14

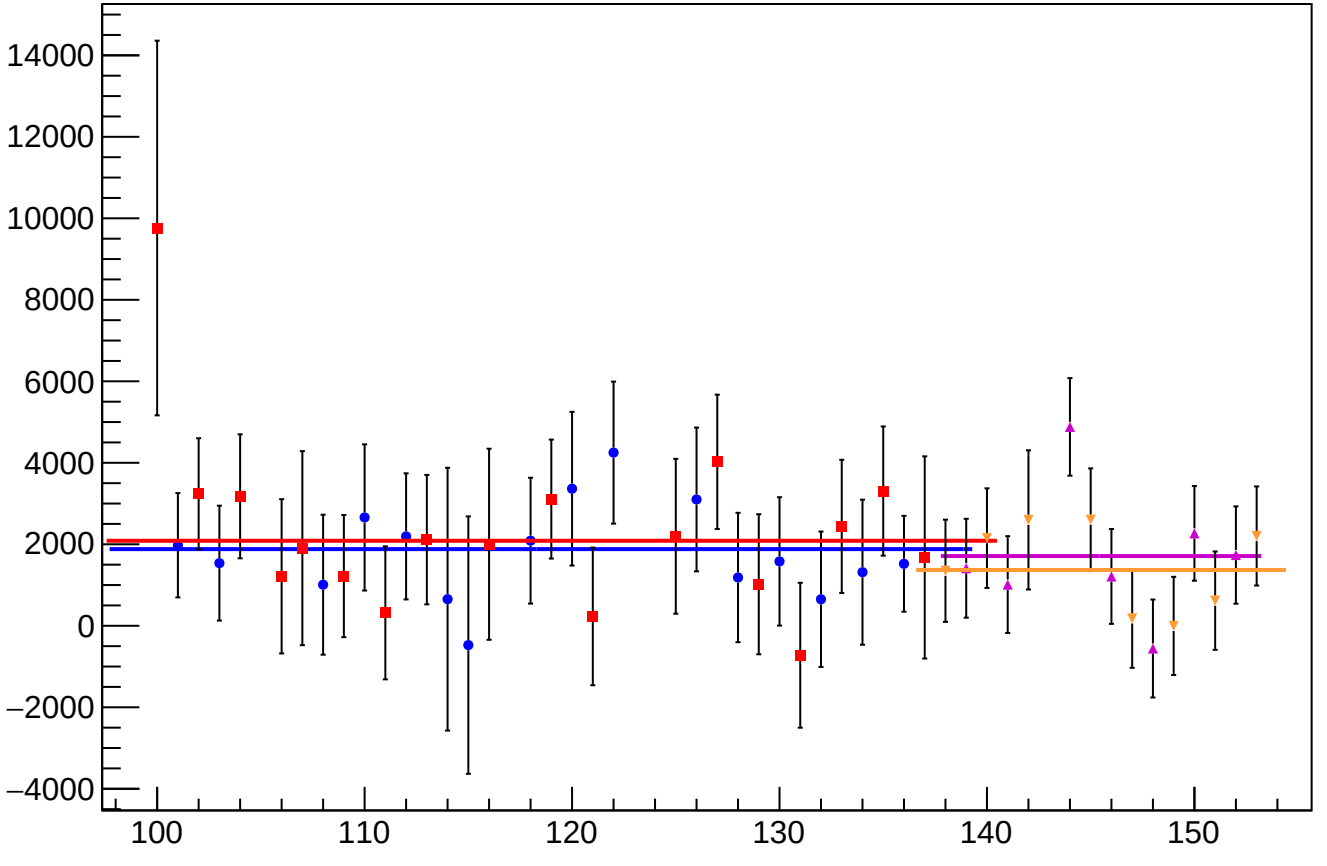
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1021.557+/-0.208 χ^2/NDF:2505438.8/22

Out: 1021.918+/-0.208 χ^2/NDF:2775235.8/25

All: 1021.738+/-0.147 χ^2/NDF: 5280676.1/48

dit_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1369.721+/-446.740 χ^2/NDF:5.0/7

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

Left In: 1711.252+/-449.114 χ^2/NDF:11.4/6

Left: 1539.581+/-316.729 χ^2/NDF: 16.7/14

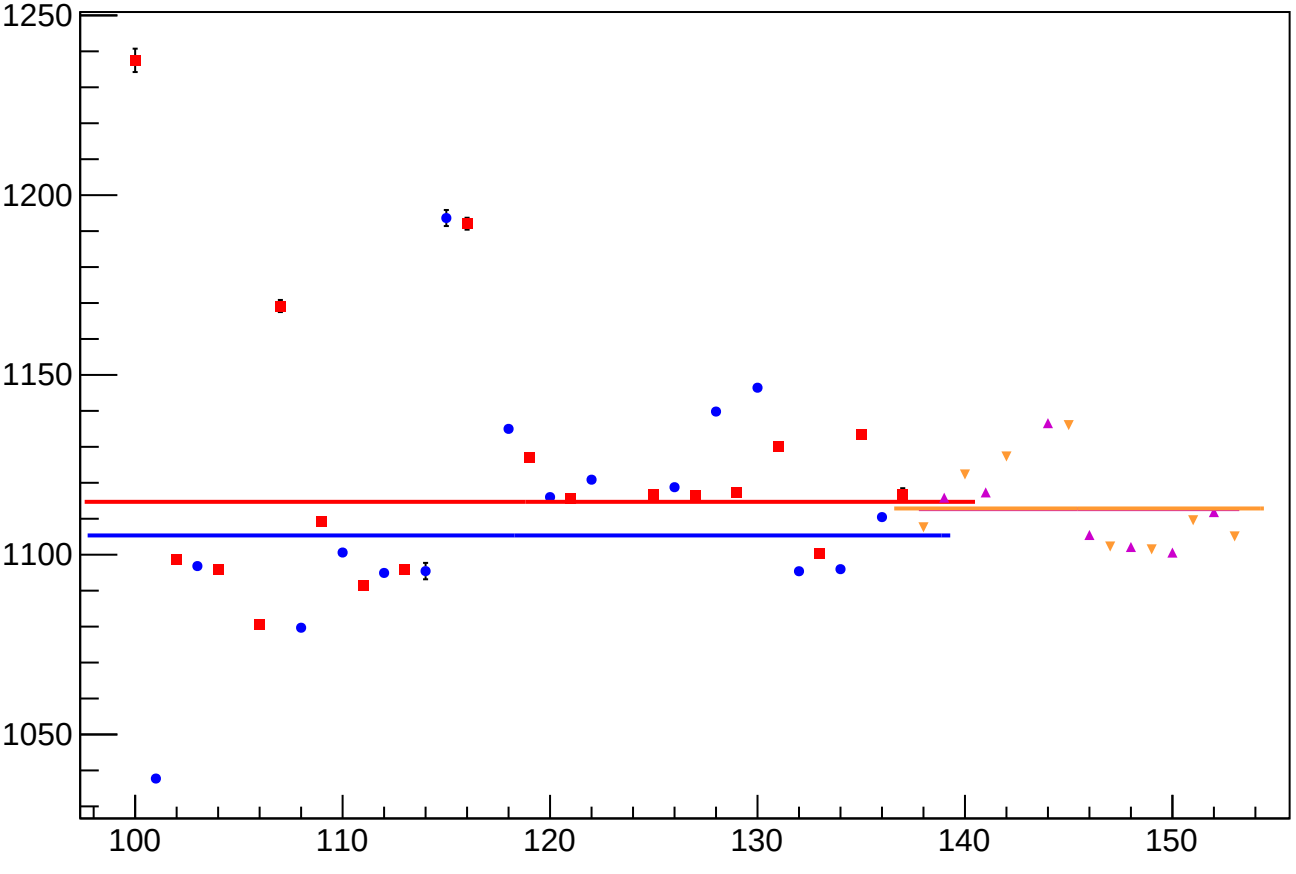
Right: 1984.184+/-290.439 χ^2/NDF: 17.7/33

In: 1803.980+/-303.081 χ^2/NDF:16.7/22

Out: 1758.321+/-302.382 χ^2/NDF:18.8/25

All: 1781.098+/-214.063 χ^2/NDF: 35.5/48

dit_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1112.856+/-0.316 χ^2/NDF:1401.7/7

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

Left In: 1112.677+/-0.318 χ^2/NDF:1288.9/6

Left: 1112.767+/-0.224 χ^2/NDF: 2690.7/14

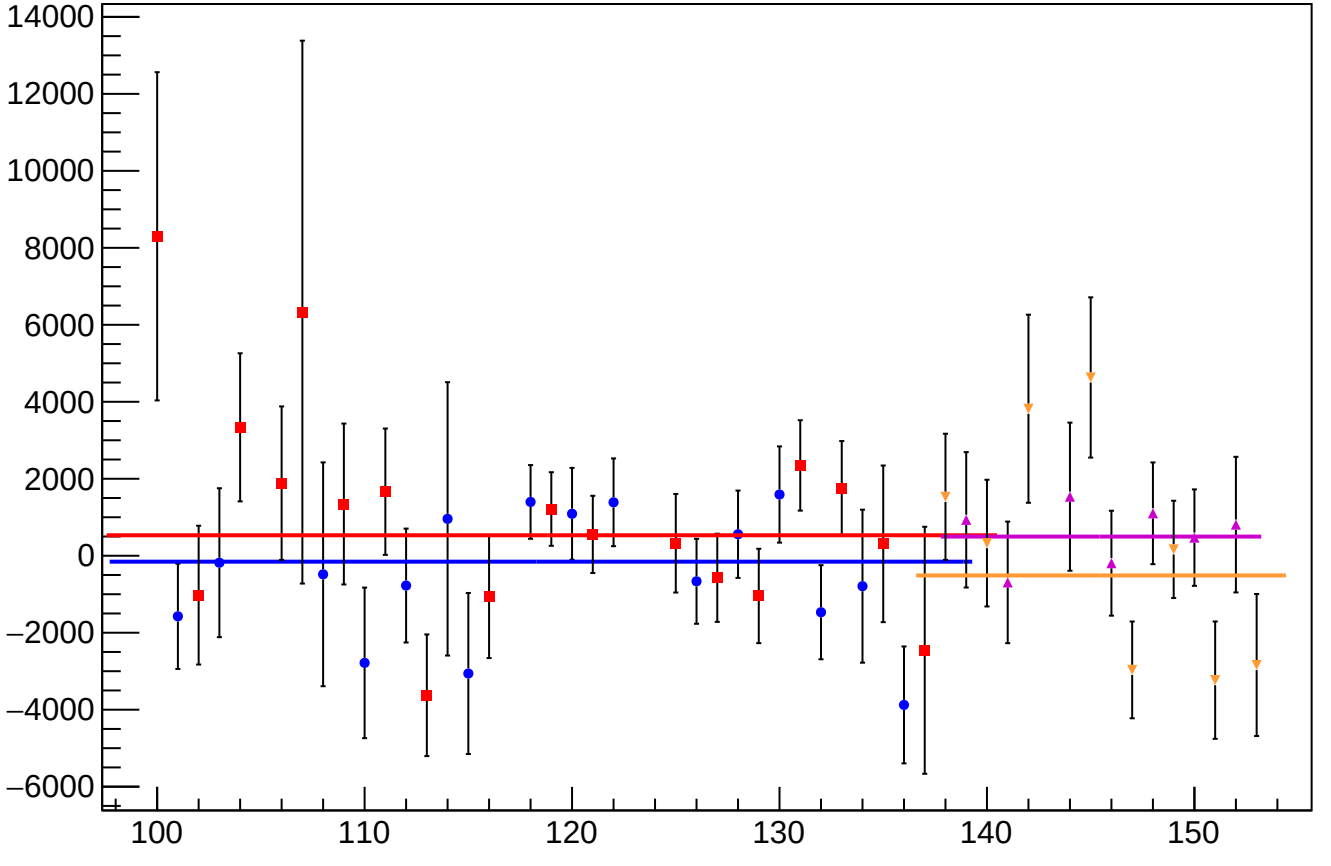
Right: 1110.029+/-0.205 χ^2/NDF: 19179.4/33

In: 1108.690+/-0.214 χ^2/NDF:12909.2/22

Out: 1113.858+/-0.214 χ^2/NDF:8750.5/25

All: 1111.280+/-0.151 χ^2/NDF: 21951.2/48

asym_usl_dit_correction_mean vs Slug, Sign Corrected



Right In: -153.999+/-351.318 χ^2/NDF: 20.5/15

Left Out: -512.404+/-565.894 χ^2/NDF:19.9/7

Right Out: 532.155+/-350.407 χ^2/NDF: 23.2/17

Left In: 497.883+/-571.314 χ^2/NDF:1.4/6

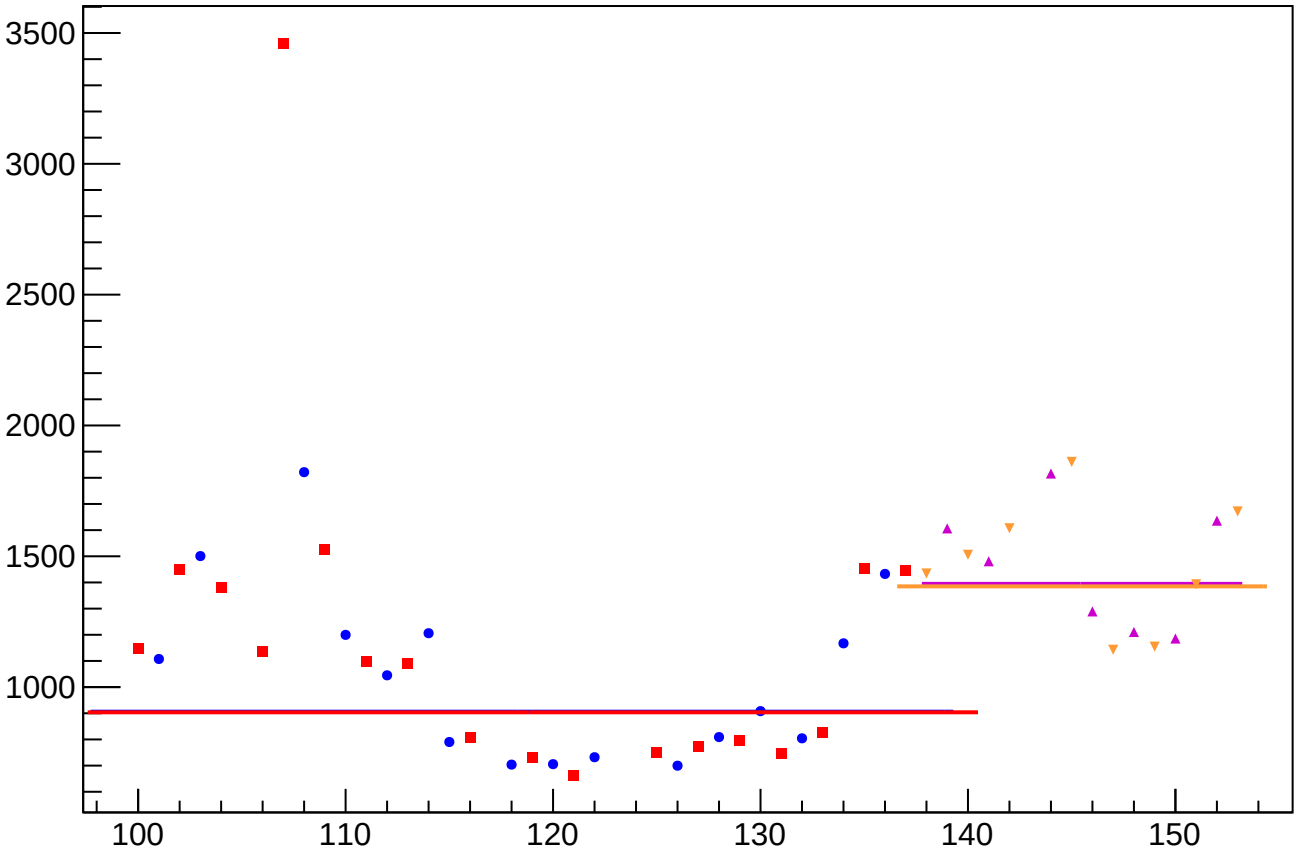
Left: -12.075+/-402.050 χ^2/NDF: 22.9/14

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

In: 24.866+/-299.263 χ^2/NDF:22.8/22

Out: 242.652+/-297.917 χ^2/NDF:45.6/25

All: 134.250+/-211.134 χ^2/NDF: 68.7/48



Right In: 906.036+/-0.248 χ^2/NDF: 1079435.1/15

Left Out: 1385.008+/-0.400 χ^2/NDF:322539.2/7

Right Out: 903.753+/-0.248 χ^2/NDF: 1339982.2/17

Left In: 1394.564+/-0.404 χ^2/NDF:274904.6/6

Left: 1389.741+/-0.284 χ^2/NDF: 597726.2/14

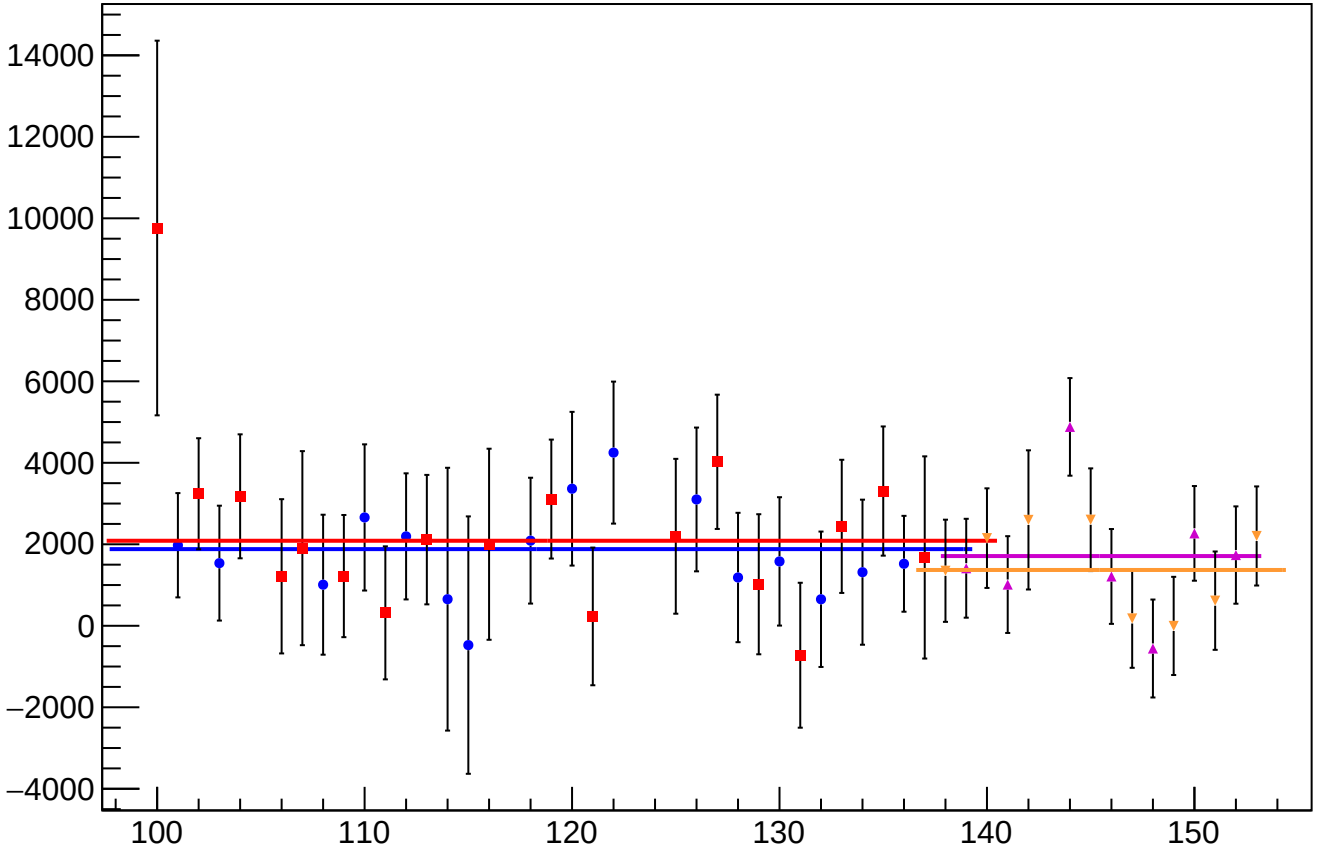
Right: 904.892+/-0.175 χ^2/NDF: 2419459.6/33

In: 1040.080+/-0.212 χ^2/NDF:2415466.5/22

Out: 1037.135+/-0.211 χ^2/NDF:2708097.2/25

All: 1038.601+/-0.149 χ^2/NDF: 5123661.0/48

eigen_dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 1881.523+/-410.700 χ^2/NDF: 5.2/15

Left Out: 1369.717+/-446.740 χ^2/NDF:5.0/7

Right Out: 2086.884+/-410.785 χ^2/NDF: 12.4/17

Left In: 1711.254+/-449.114 χ^2/NDF:11.4/6

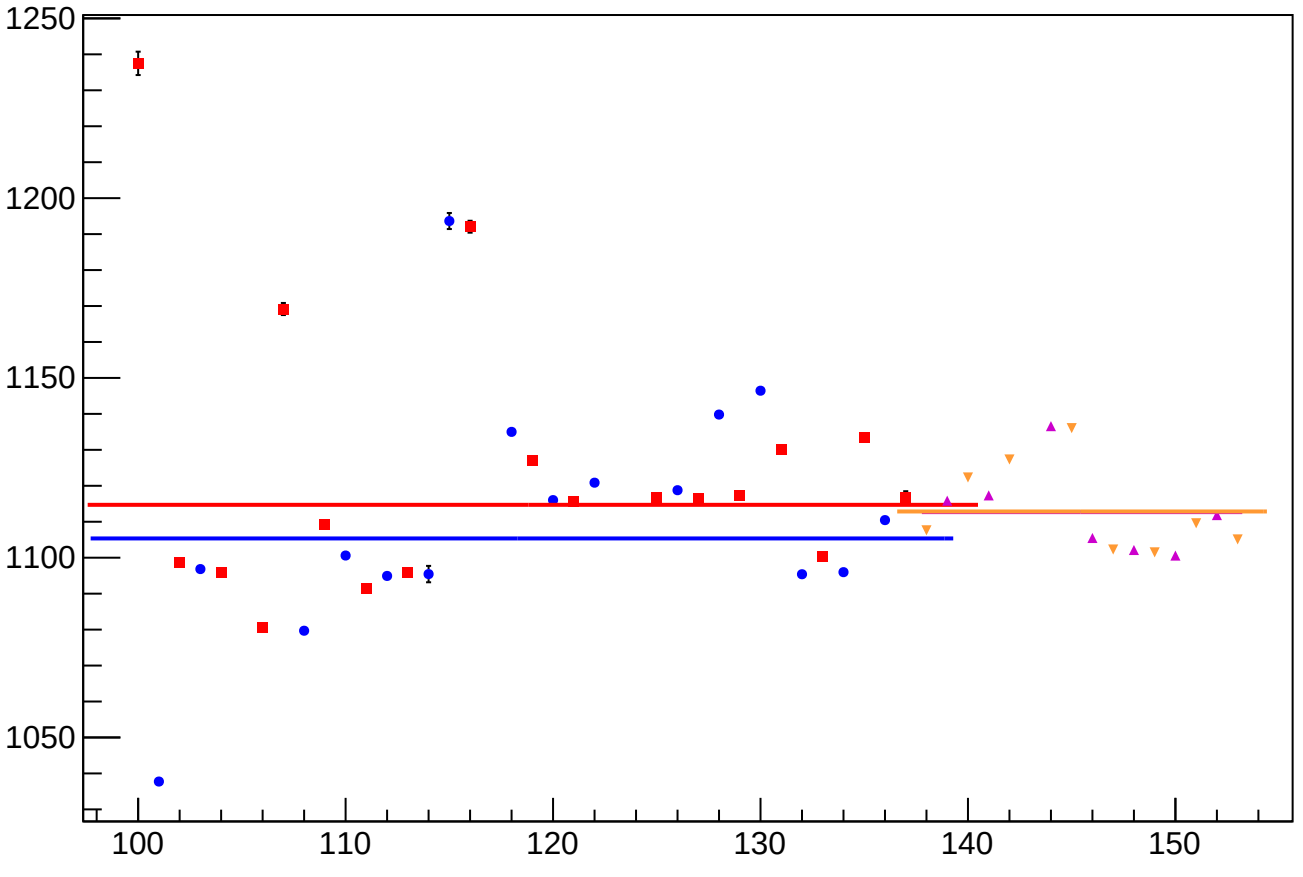
Left: 1539.581+/-316.729 χ^2/NDF: 16.7/14

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

In: 1803.981+/-303.081 χ^2/NDF:16.7/22

Out: 1758.318+/-302.382 χ^2/NDF:18.8/25

All: 1781.096+/-214.063 χ^2/NDF: 35.5/48



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

Left Out: 1112.856+/-0.316 χ^2/NDF:1401.7/7

Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.2/17

Left In: 1112.677+/-0.318 χ^2/NDF:1288.9/6

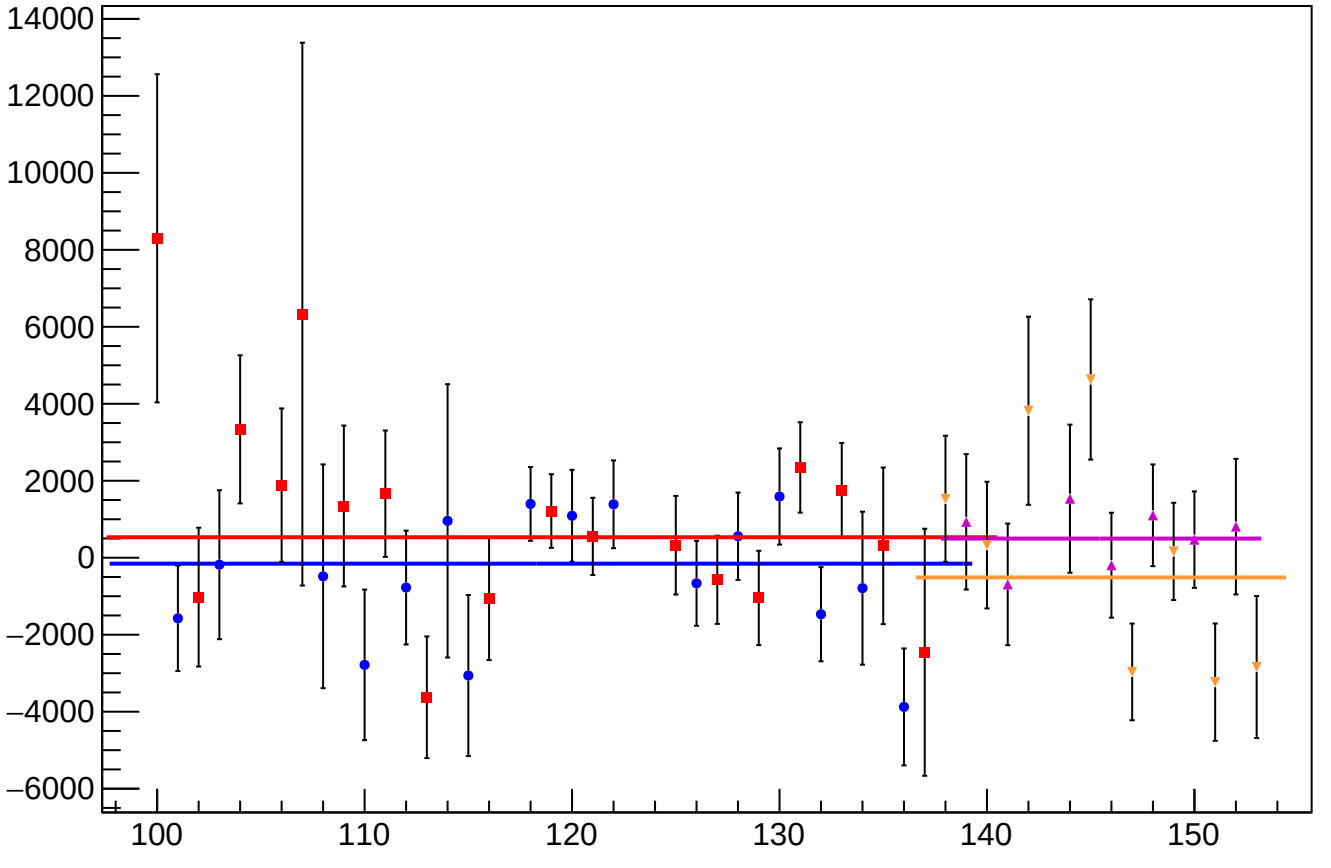
Left: 1112.767+/-0.224 χ^2/NDF: 2690.7/14

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

In: 1108.690+/-0.214 χ^2/NDF:12909.2/22

Out: 1113.858+/-0.214 χ^2/NDF:8750.4/25

All: 1111.280+/-0.151 χ^2/NDF: 21951.2/48



Right In: -153.998+/-351.317 χ^2/NDF: 20.5/15

Left Out: -512.408+/-565.895 χ^2/NDF:19.9/7

Right Out: 532.154+/-350.406 χ^2/NDF: 23.2/17

Left In: 497.885+/-571.315 χ^2/NDF:1.4/6

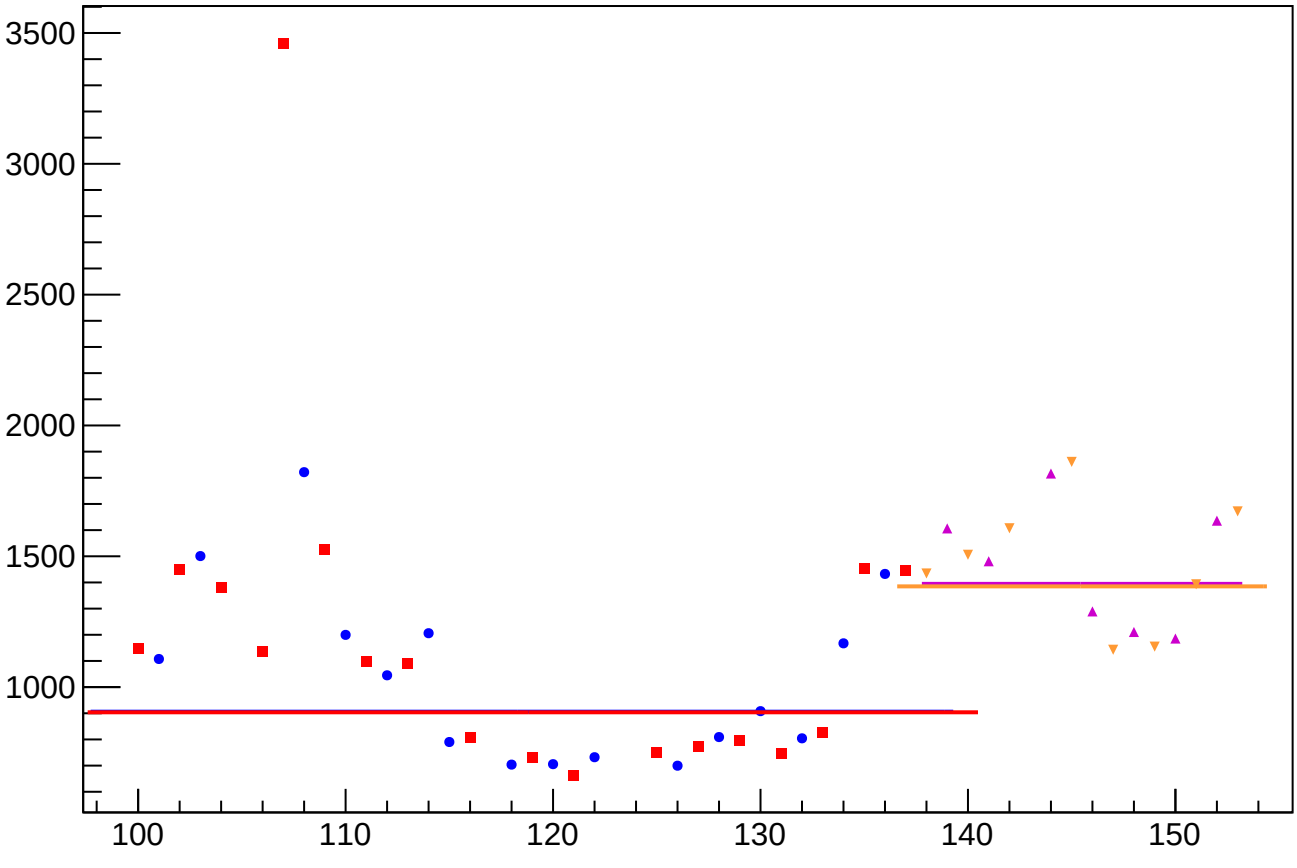
Left: -12.076+/-402.051 χ^2/NDF: 22.9/14

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

In: 24.867+/-299.263 χ^2/NDF:22.8/22

Out: 242.652+/-297.917 χ^2/NDF:45.6/25

All: 134.250+/-211.133 χ^2/NDF: 68.7/48



Right In: 906.034+/-0.248 χ^2/NDF: 1079440.1/15

Left Out: 1385.010+/-0.400 χ^2/NDF:322537.6/7

Right Out: 903.751+/-0.248 χ^2/NDF: 1339985.4/17

Left In: 1394.566+/-0.404 χ^2/NDF:274902.4/6

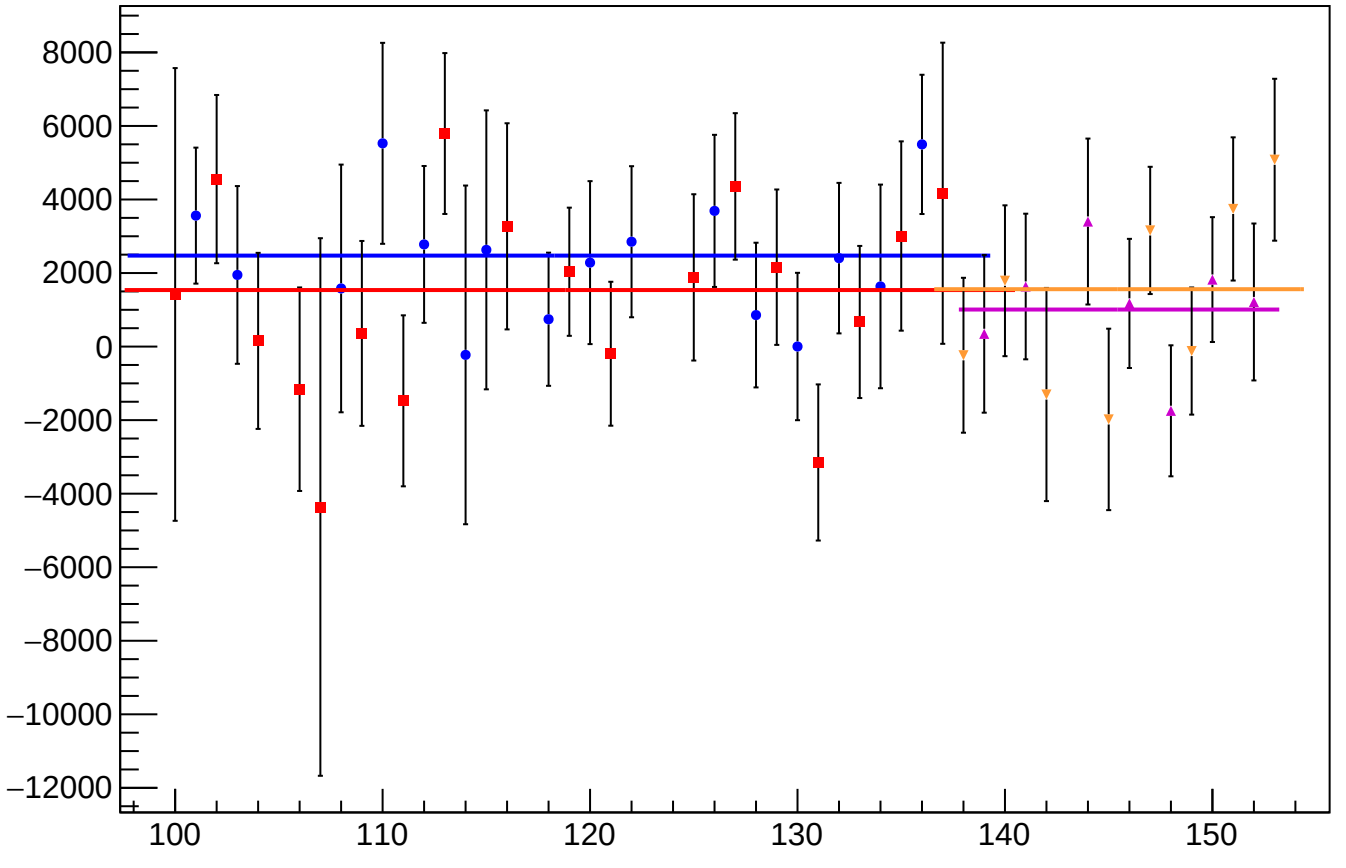
Left: 1389.743+/-0.284 χ^2/NDF: 597722.4/14

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

In: 1040.078+/-0.212 χ^2/NDF:2415485.9/22

Out: 1037.133+/-0.211 χ^2/NDF:2708116.8/25

All: 1038.599+/-0.149 χ^2/NDF: 5123700.0/48



Right In: 2474.066+/-562.796 χ^2/NDF: 8.2/15

Left Out: 1560.744+/-728.338 χ^2/NDF:9.4/7

Right Out: 1537.435+/-563.556 χ^2/NDF: 18.5/17

Left In: 1007.415+/-730.329 χ^2/NDF:4.0/6

Left: 1284.834+/-515.715 χ^2/NDF: 13.6/14

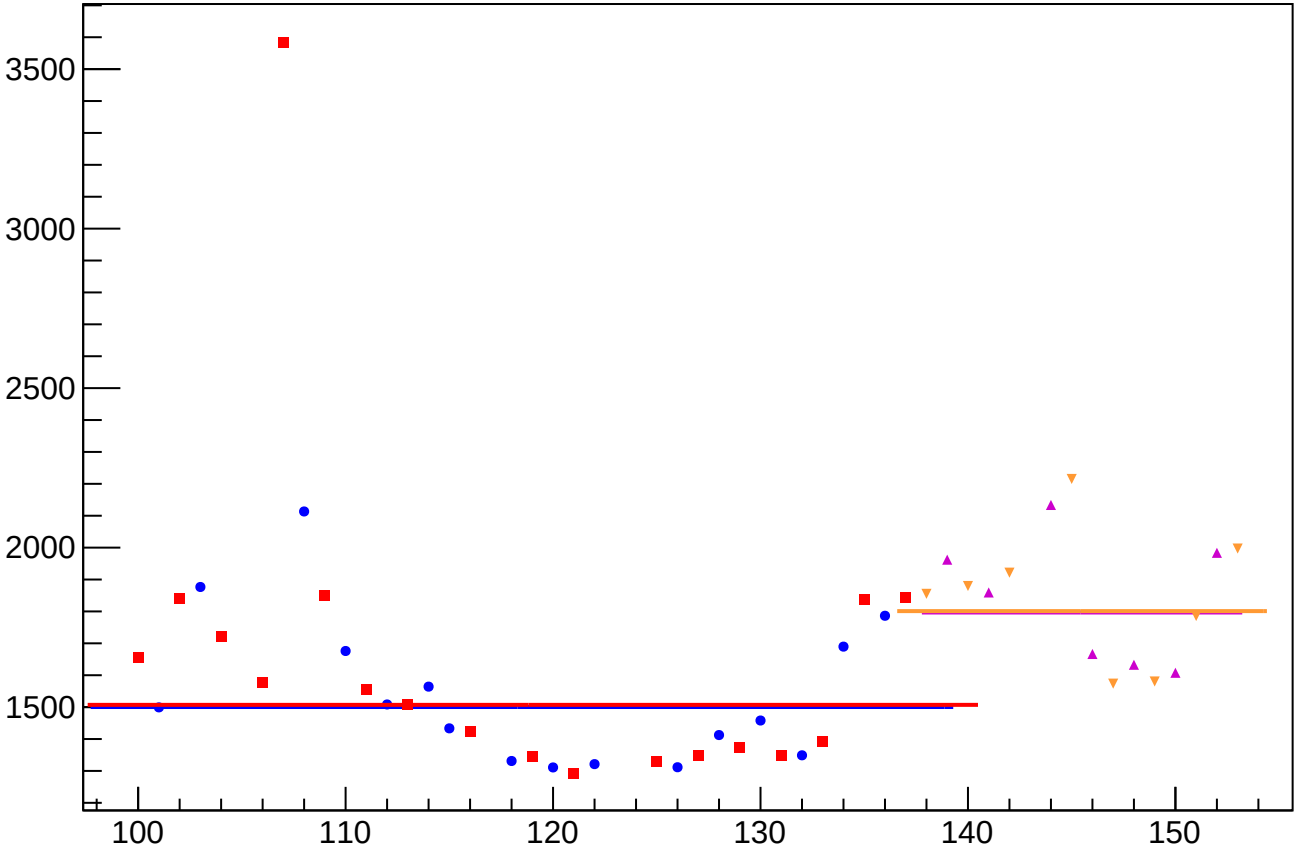
Right: 2006.383+/-398.225 χ^2/NDF: 28.1/33

In: 1927.618+/-445.789 χ^2/NDF:14.7/22

Out: 1546.164+/-445.712 χ^2/NDF:27.9/25

All: 1736.858+/-315.193 χ^2/NDF: 43.0/48

asym_usl_rms vs Slug, Sign Corrected



Right In: 1500.377+/-0.398 χ^2/NDF: 258792.8/15

Left Out: 1800.968+/-0.515 χ^2/NDF:147222.6/7

Right Out: 1507.098+/-0.398 χ^2/NDF: 401227.7/17

Left In: 1796.663+/-0.516 χ^2/NDF:126601.1/6

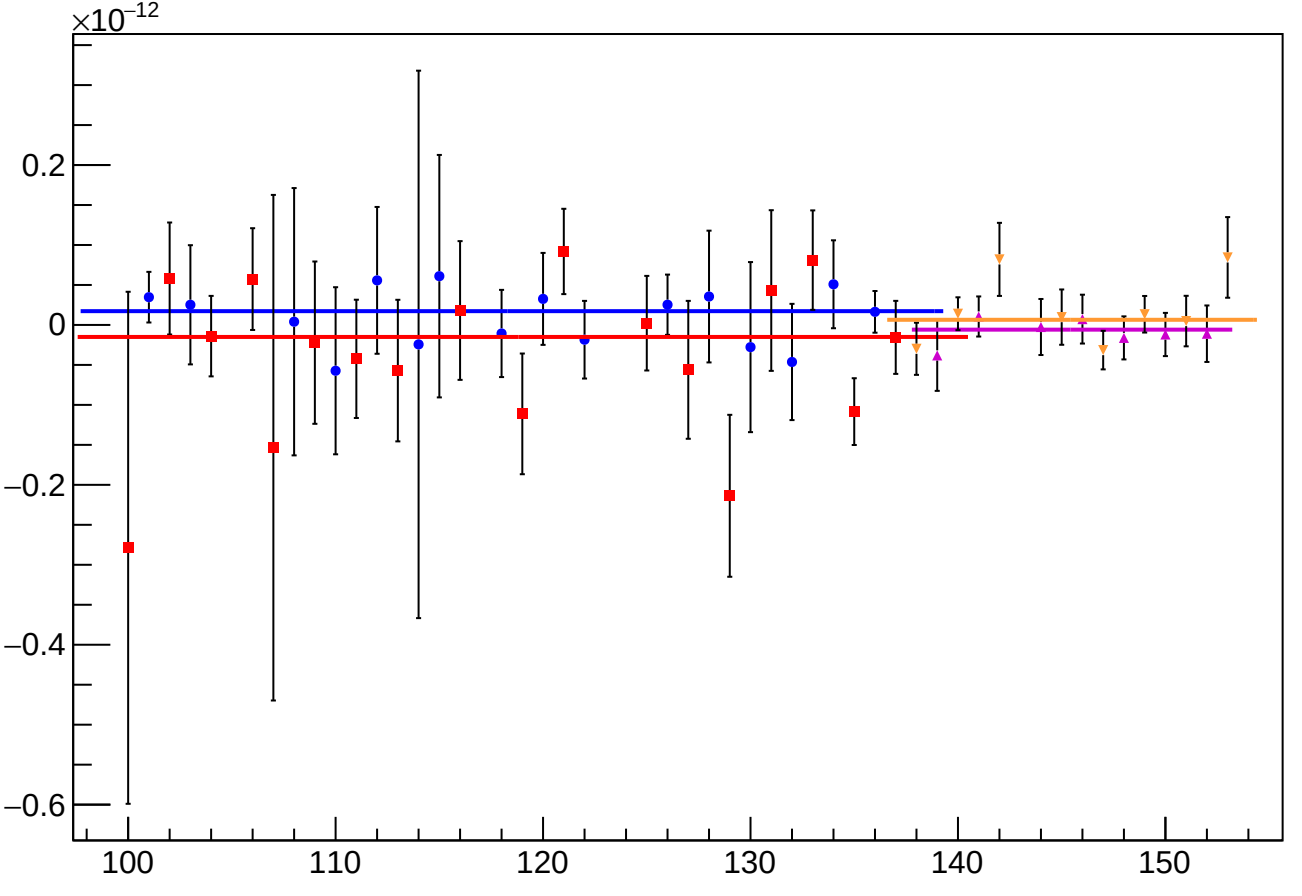
Left: 1798.821+/-0.365 χ^2/NDF: 273858.5/14

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

In: 1610.768+/-0.315 χ^2/NDF:591918.9/22

Out: 1617.149+/-0.315 χ^2/NDF:752110.7/25

All: 1613.959+/-0.223 χ^2/NDF: 1344234.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 3.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.1/7

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/17

Left In: -0.000+/-0.000 χ^2/NDF:1.4/6

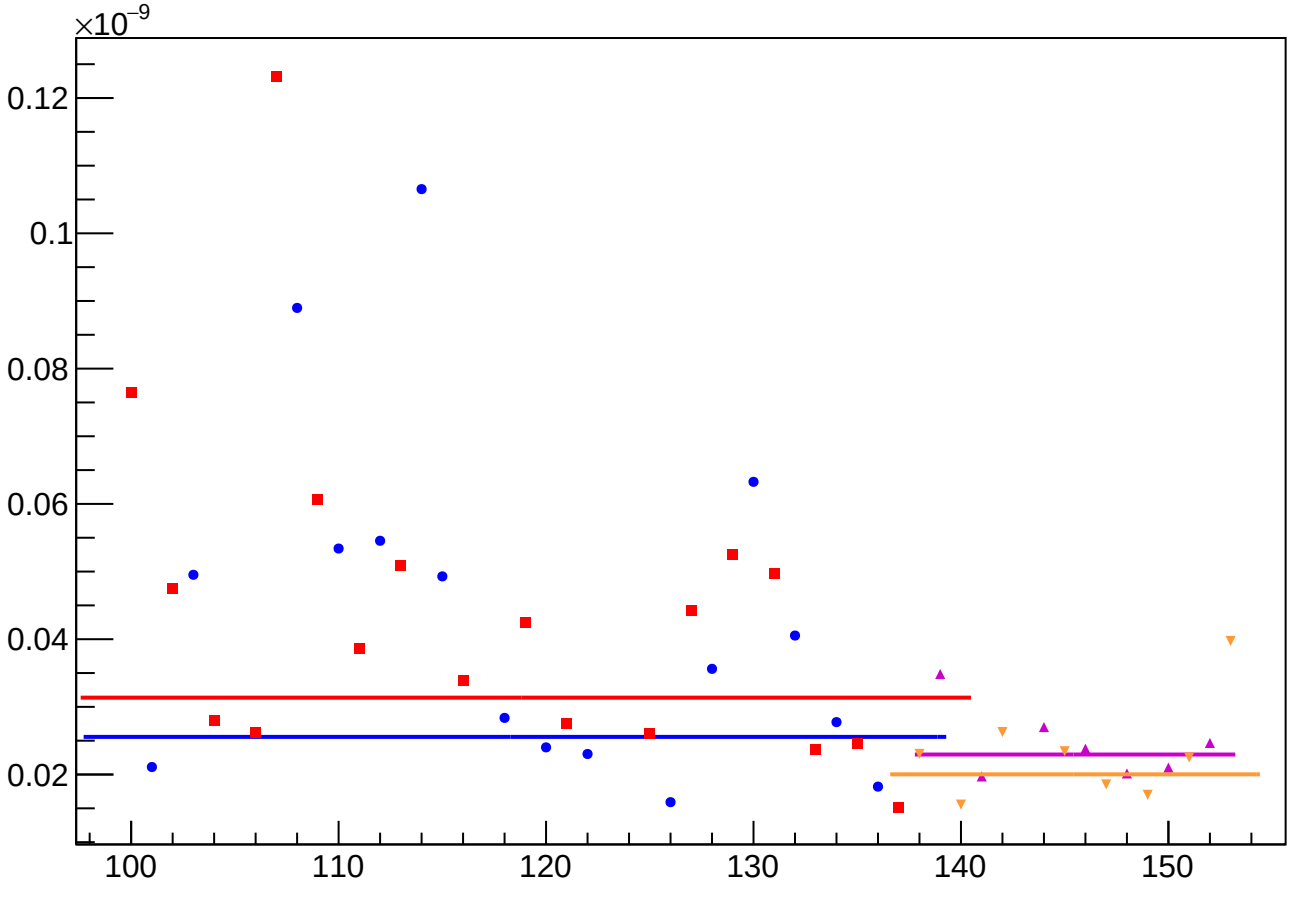
Left: 0.000+/-0.000 χ^2/NDF: 11.1/14

Right: 0.000+/-0.000 χ^2/NDF: 27.0/33

In: 0.000+/-0.000 χ^2/NDF:6.5/22

Out: 0.000+/-0.000 χ^2/NDF:31.6/25

All: 0.000+/-0.000 χ^2/NDF: 38.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 1707801.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:529764.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1228078.8/17

Left In: 0.000+/-0.000 χ^2/NDF:242359.2/6

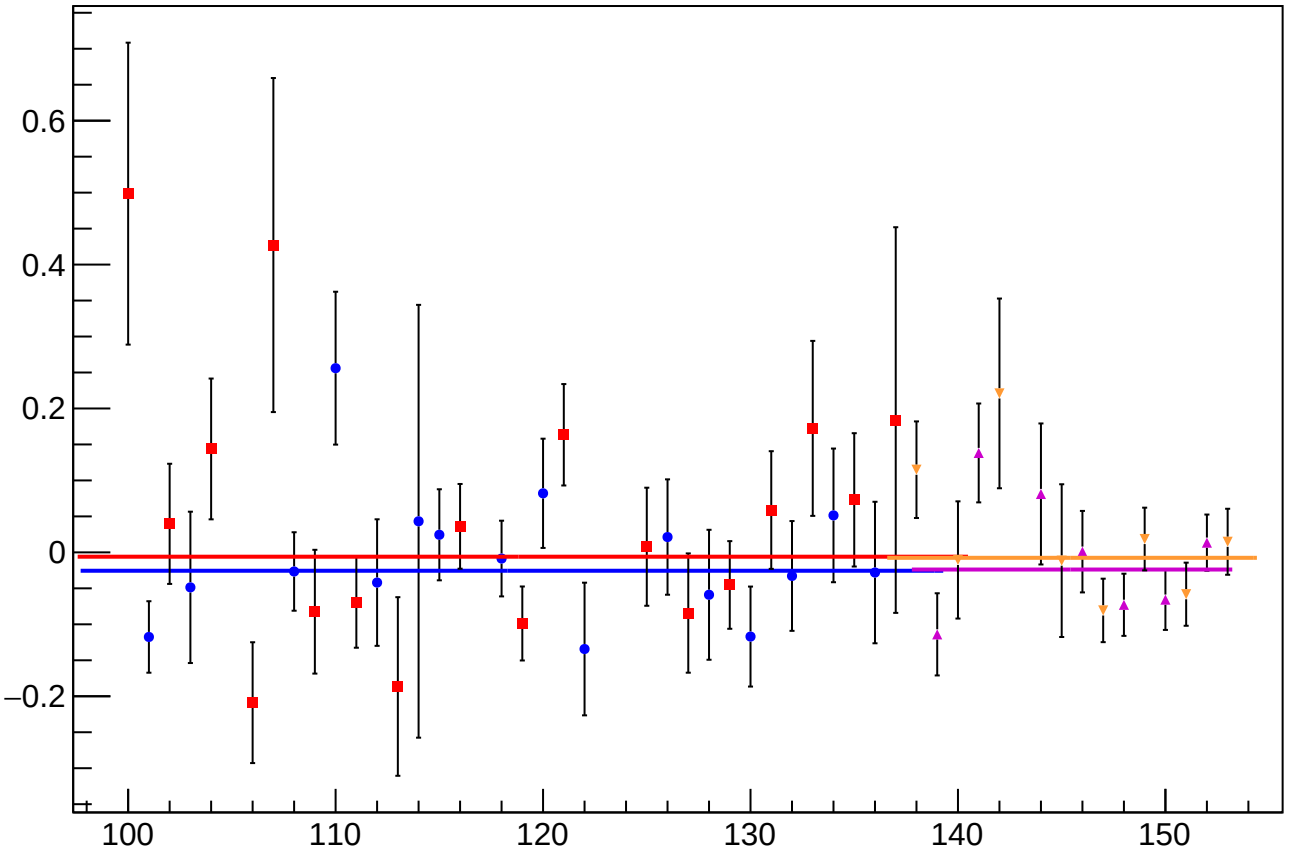
Left: 0.000+/-0.000 χ^2/NDF: 844727.7/14

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

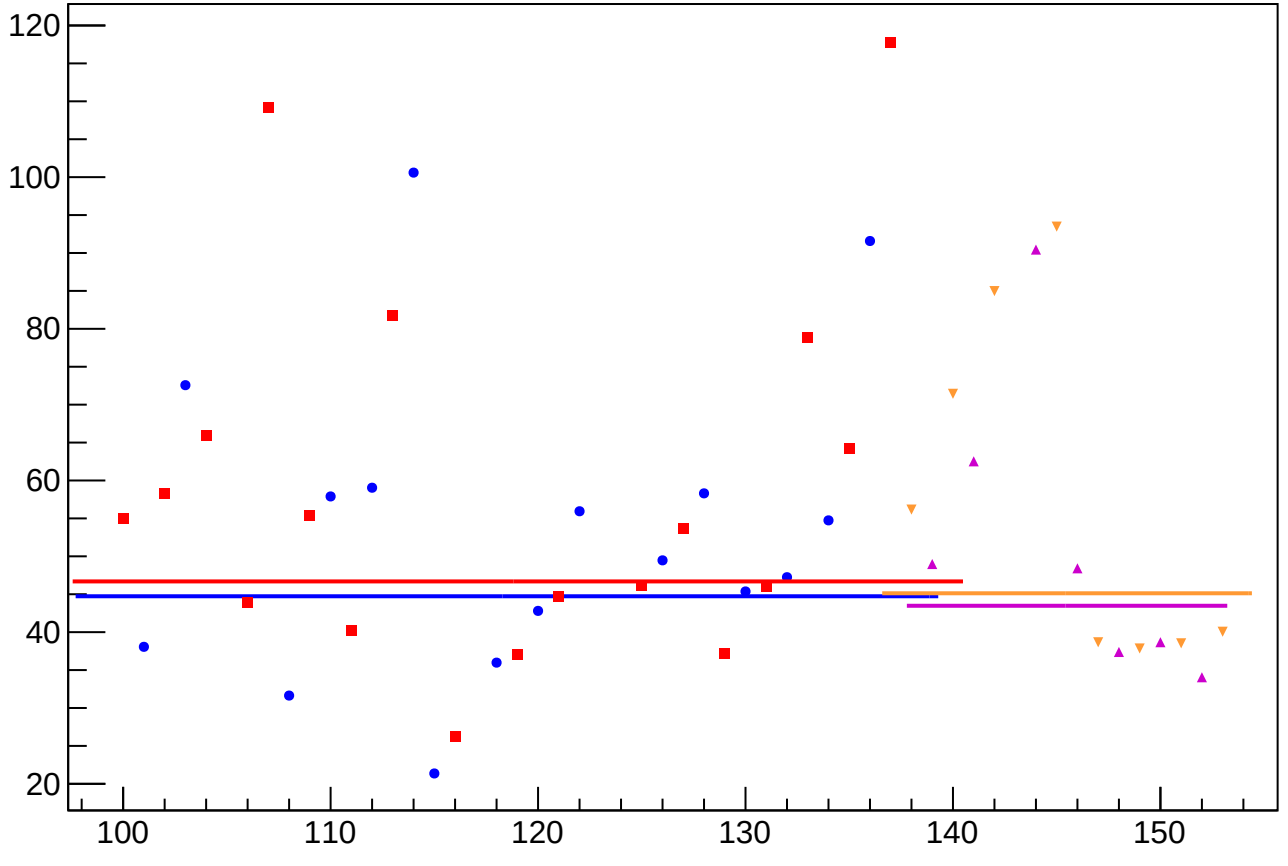
In: 0.000+/-0.000 χ^2/NDF:1993261.1/22

Out: 0.000+/-0.000 χ^2/NDF:2466712.7/25

All: 0.000+/-0.000 χ^2/NDF: 4468168.8/48


asym_usl_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
Right In: -0.026+/-0.019 χ²/NDF: 17.6/15
Left Out: -0.008+/-0.020 χ²/NDF:11.0/7
Right Out: -0.006+/-0.019 χ²/NDF: 36.5/17
Left In: -0.024+/-0.019 χ²/NDF:12.6/6
Left: -0.016+/-0.014 χ²/NDF: 23.9/14
Right: -0.016+/-0.013 χ²/NDF: 54.7/33
In: -0.025+/-0.013 χ²/NDF:30.2/22
Out: -0.007+/-0.014 χ²/NDF:47.6/25
All: -0.016+/-0.010 χ²/NDF: 78.6/48

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: 45.127+/-0.014 χ^2/NDF:1028529.5/7

Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

Left In: 43.480+/-0.014 χ^2/NDF:829176.3/6

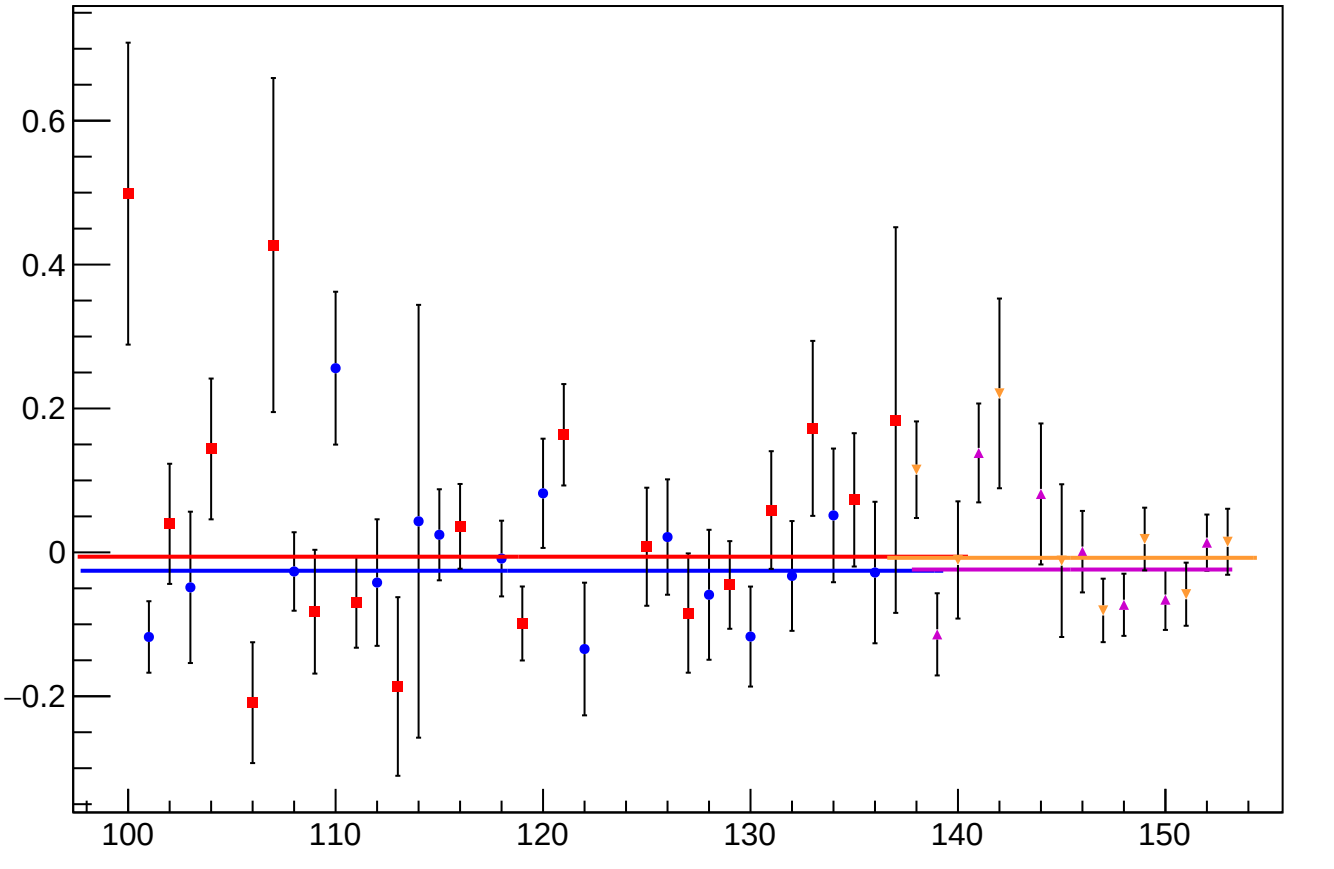
Left: 44.282+/-0.010 χ^2/NDF: 1864814.6/14

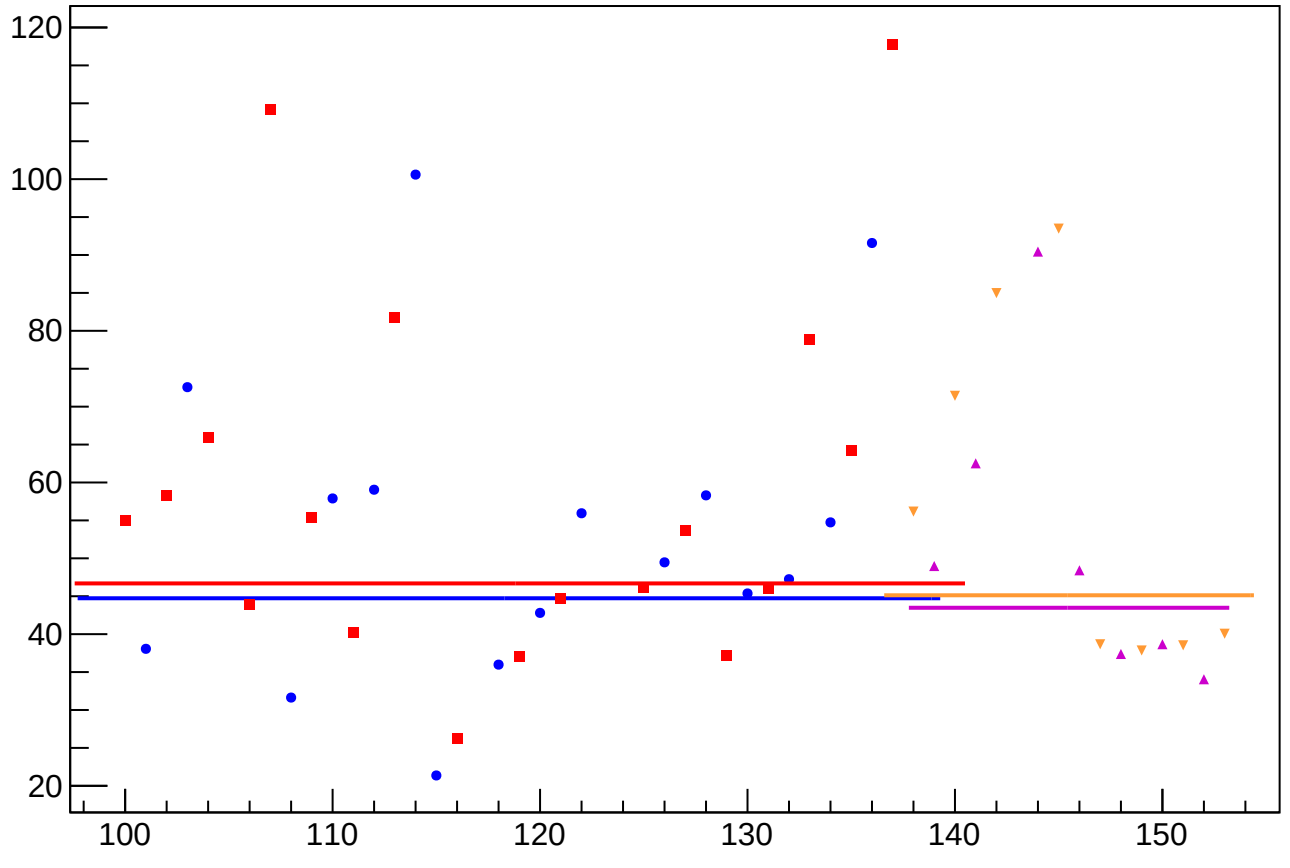
Right: 45.680+/-0.010 χ^2/NDF: 2540529.3/33

In: 44.123+/-0.010 χ^2/NDF:2168058.9/22

Out: 45.924+/-0.010 χ^2/NDF:2230367.0/25

All: 44.997+/-0.007 χ^2/NDF: 4415834.4/48


asym_usl_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
Right In: -0.026+/-0.019 χ²/NDF: 17.6/15
Left Out: -0.008+/-0.020 χ²/NDF:11.0/7
Right Out: -0.006+/-0.019 χ²/NDF: 36.5/17
Left In: -0.024+/-0.019 χ²/NDF:12.6/6
Left: -0.016+/-0.014 χ²/NDF: 23.9/14
Right: -0.016+/-0.013 χ²/NDF: 54.7/33
In: -0.025+/-0.013 χ²/NDF:30.2/22
Out: -0.007+/-0.014 χ²/NDF:47.6/25
All: -0.016+/-0.010 χ²/NDF: 78.6/48



Right In: 44.733+/-0.013 χ^2/NDF: 1334541.9/15

Left Out: 45.127+/-0.014 χ^2/NDF:1028529.5/7

Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

Left In: 43.480+/-0.014 χ^2/NDF:829176.3/6

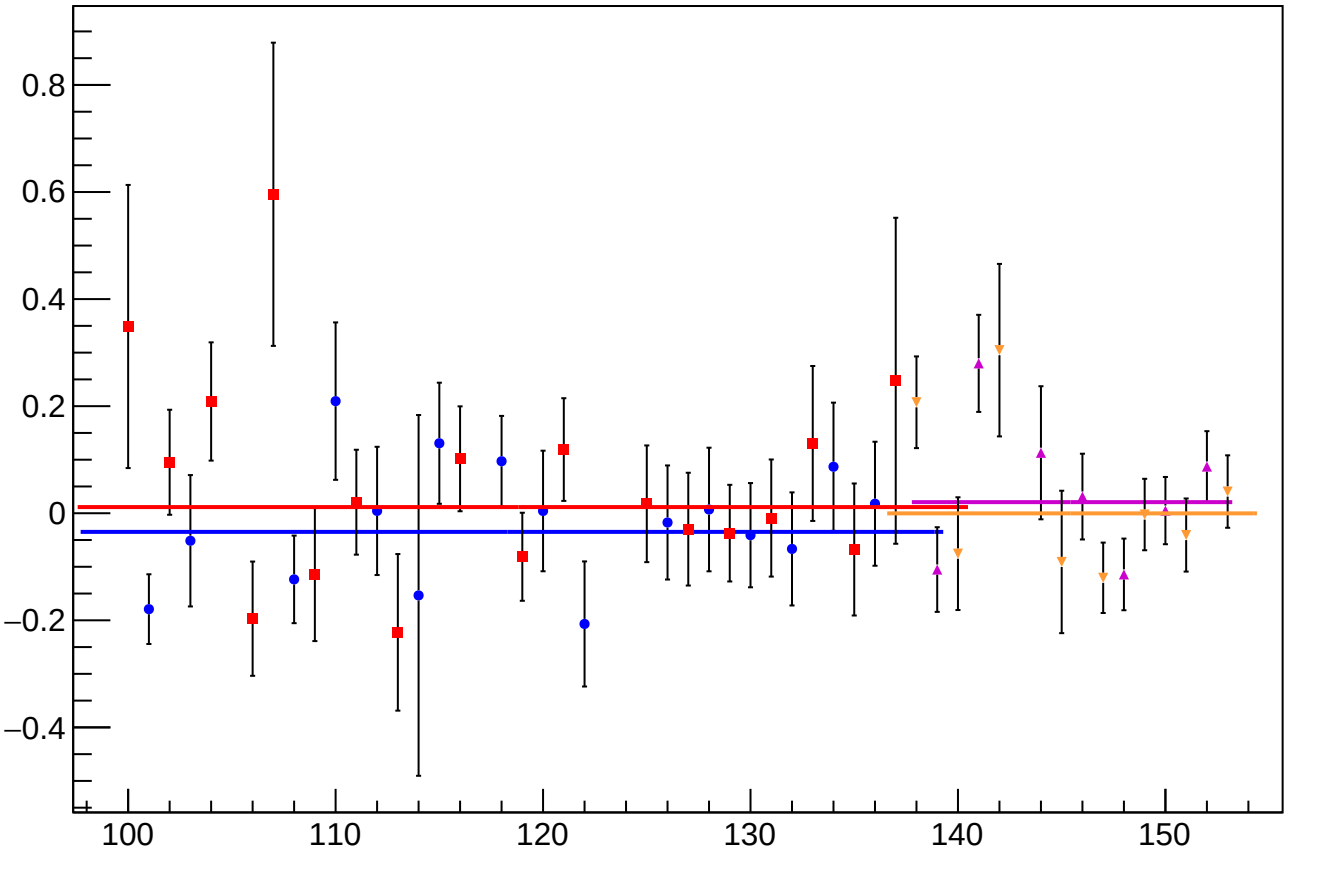
Left: 44.282+/-0.010 χ^2/NDF: 1864814.6/14

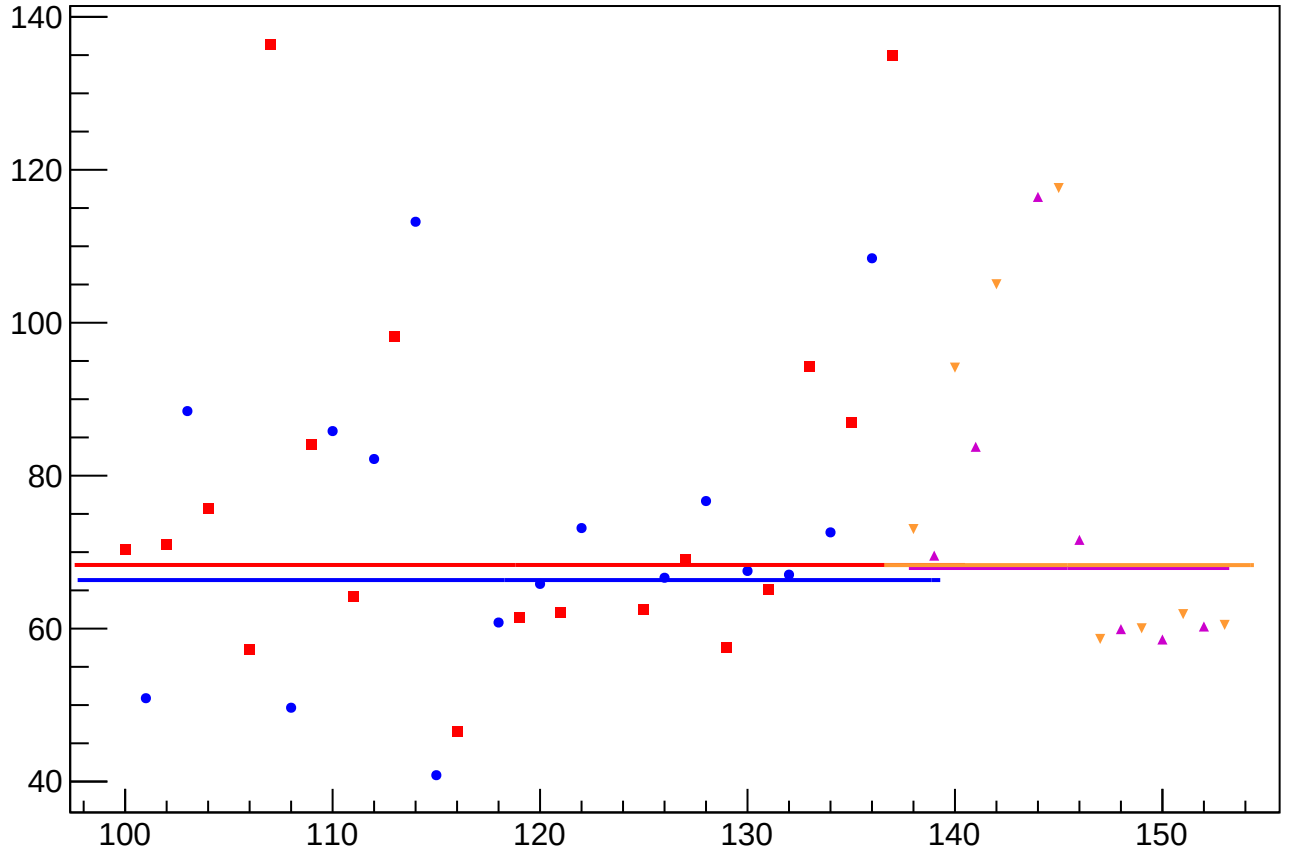
Right: 45.680+/-0.010 χ^2/NDF: 2540529.3/33

In: 44.123+/-0.010 χ^2/NDF:2168058.9/22

Out: 45.924+/-0.010 χ^2/NDF:2230367.0/25

All: 44.997+/-0.007 χ^2/NDF: 4415834.4/48


asym_usl_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
Right In: -0.035+/-0.026 χ²/NDF: 17.4/15
Left Out: -0.000+/-0.029 χ²/NDF:14.5/7
Right Out: 0.012+/-0.027 χ²/NDF: 22.8/17
Left In: 0.021+/-0.029 χ²/NDF:16.4/6
Left: 0.010+/-0.020 χ²/NDF: 31.2/14
Right: -0.012+/-0.019 χ²/NDF: 41.7/33
In: -0.010+/-0.019 χ²/NDF:35.9/22
Out: 0.006+/-0.020 χ²/NDF:37.3/25
All: -0.002+/-0.014 χ²/NDF: 73.6/48



Right In: 66.348+/-0.019 χ^2/NDF: 772653.3/15

Left Out: 68.306+/-0.020 χ^2/NDF:623353.8/7

Right Out: 68.322+/-0.019 χ^2/NDF: 629670.0/17

Left In: 67.925+/-0.020 χ^2/NDF:470646.8/6

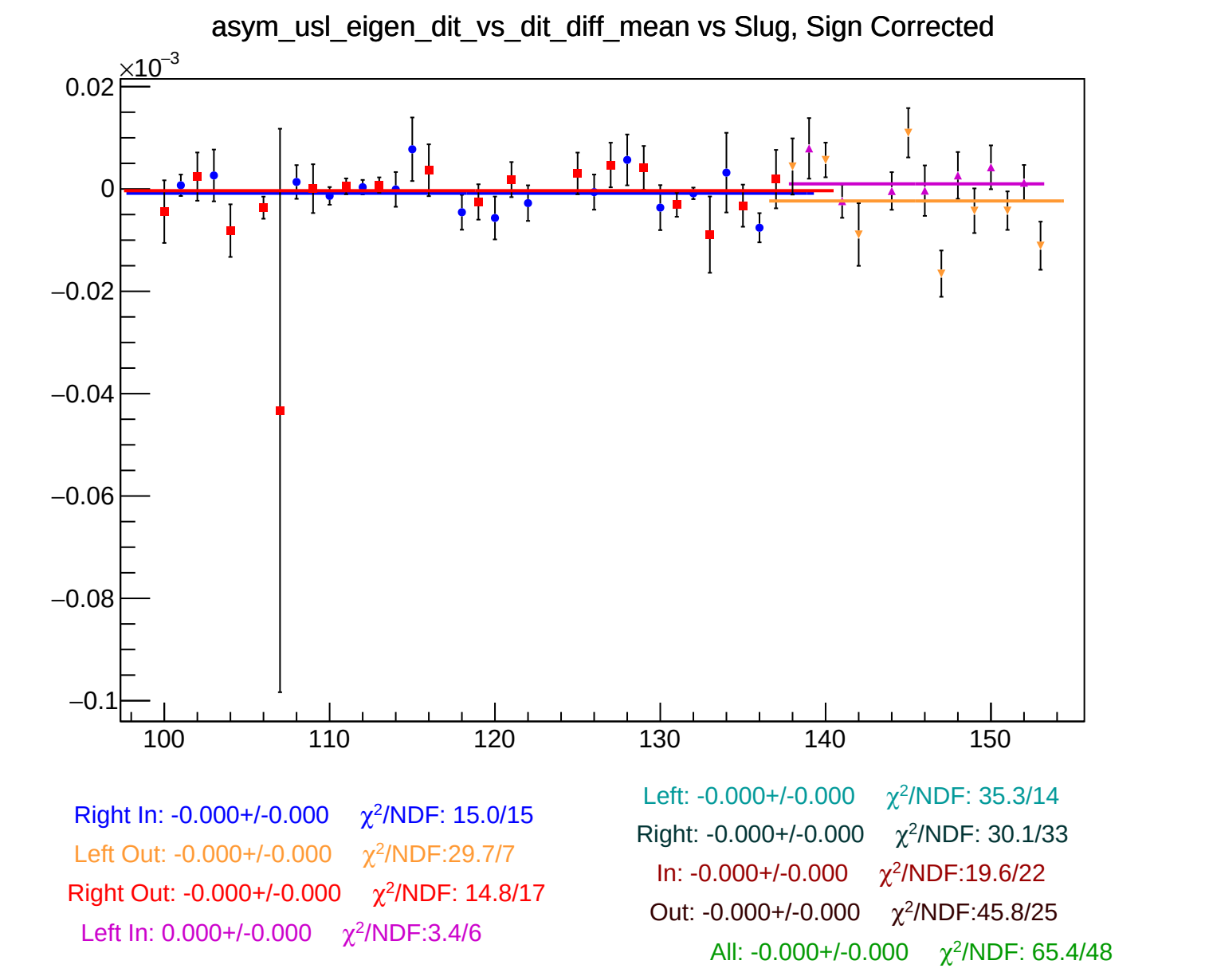
Left: 68.116+/-0.014 χ^2/NDF: 1094175.3/14

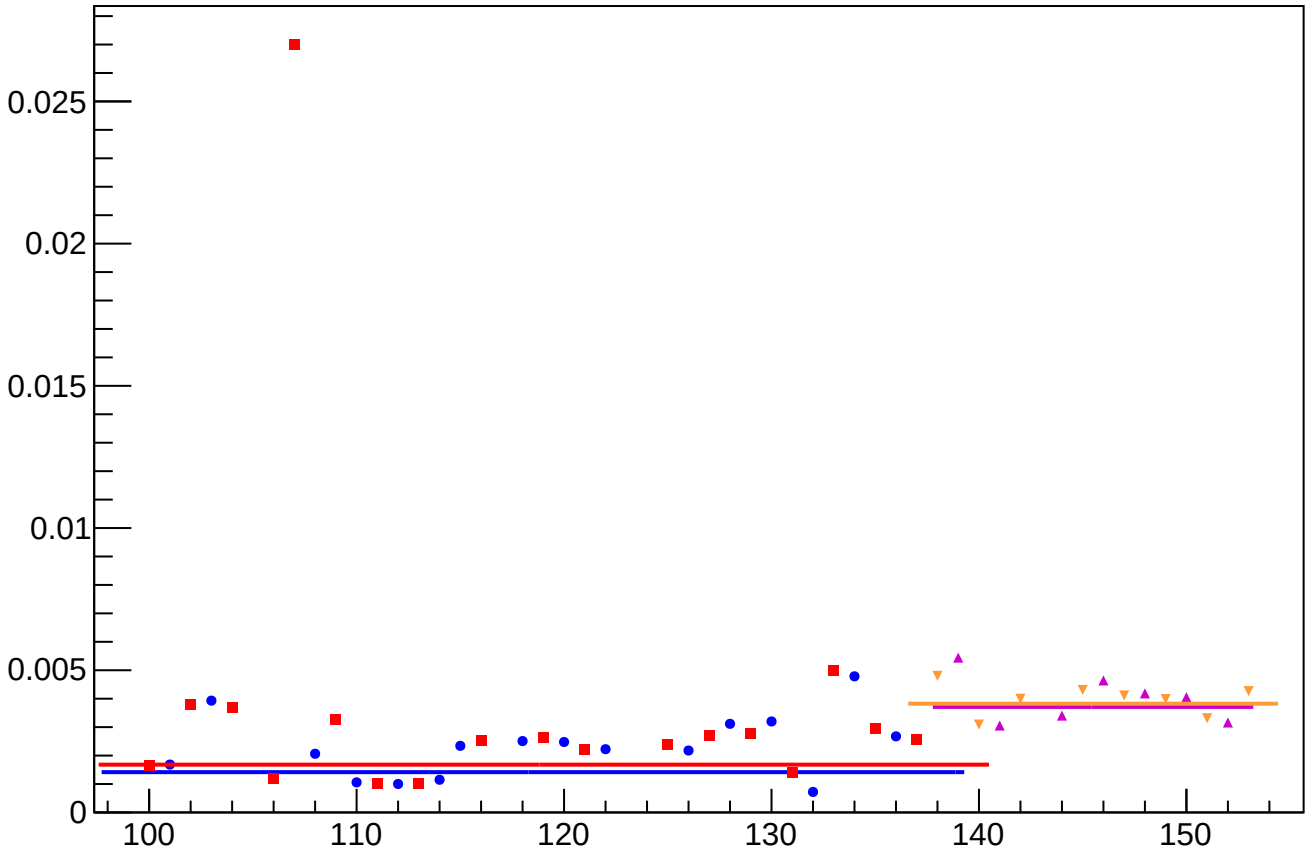
Right: 67.312+/-0.013 χ^2/NDF: 1407833.1/33

In: 67.065+/-0.014 χ^2/NDF:1246576.0/22

Out: 68.314+/-0.014 χ^2/NDF:1253024.2/25

All: 67.682+/-0.010 χ^2/NDF: 2503693.5/48


asym_usl_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 15.0/15
Left Out: -0.000+/-0.000 χ²/NDF:29.7/7
Right Out: -0.000+/-0.000 χ²/NDF: 14.8/17
Left In: 0.000+/-0.000 χ²/NDF:3.4/6
Left: -0.000+/-0.000 χ²/NDF: 35.3/14
Right: -0.000+/-0.000 χ²/NDF: 30.1/33
In: -0.000+/-0.000 χ²/NDF:19.6/22
Out: -0.000+/-0.000 χ²/NDF:45.8/25
All: -0.000+/-0.000 χ²/NDF: 65.4/48



Right In: 0.001+/-0.000 χ^2/NDF: 3547259.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:244623.0/7

Right Out: 0.002+/-0.000 χ^2/NDF: 3427218.5/17

Left In: 0.004+/-0.000 χ^2/NDF:421319.2/6

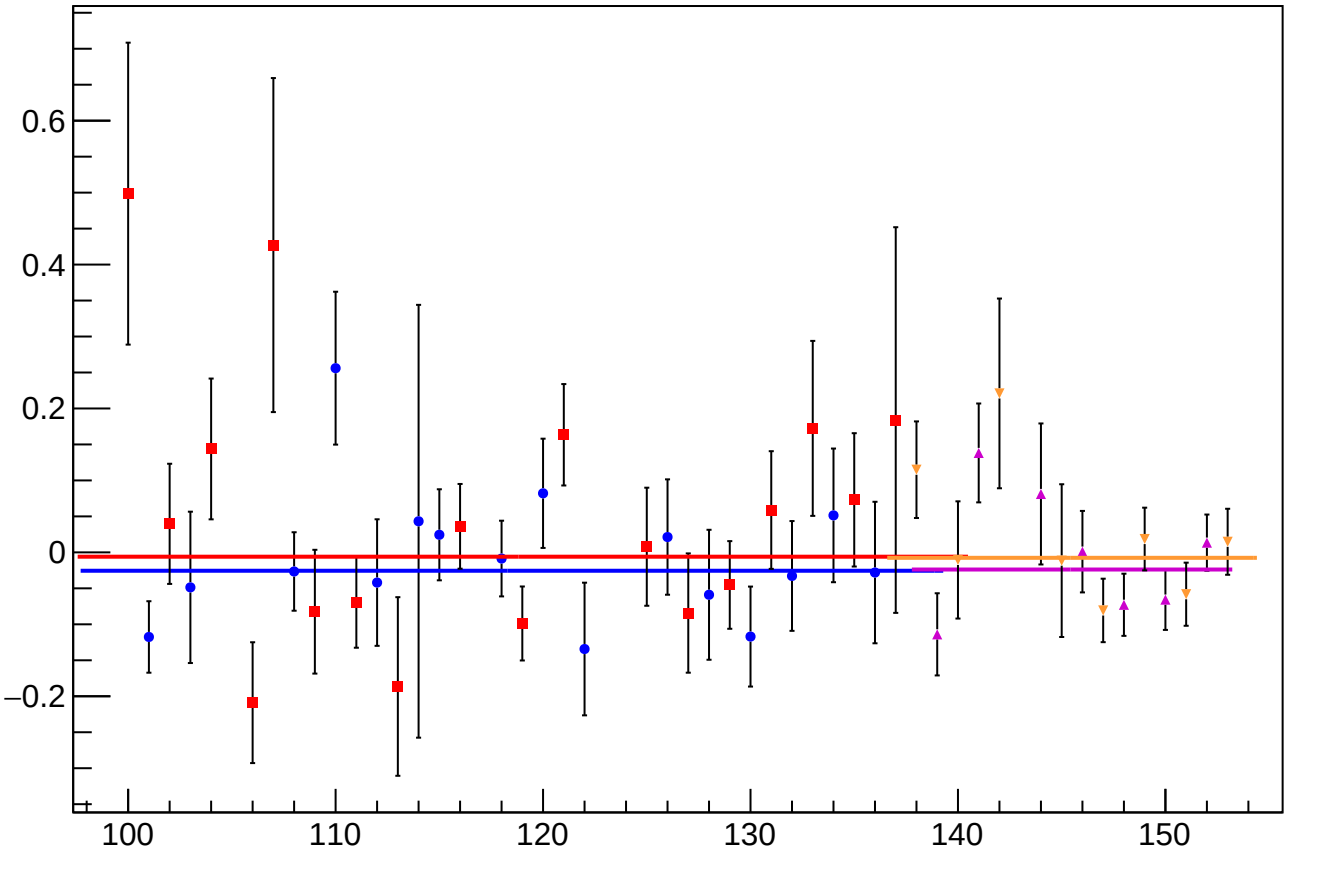
Left: 0.004+/-0.000 χ^2/NDF: 671393.6/14

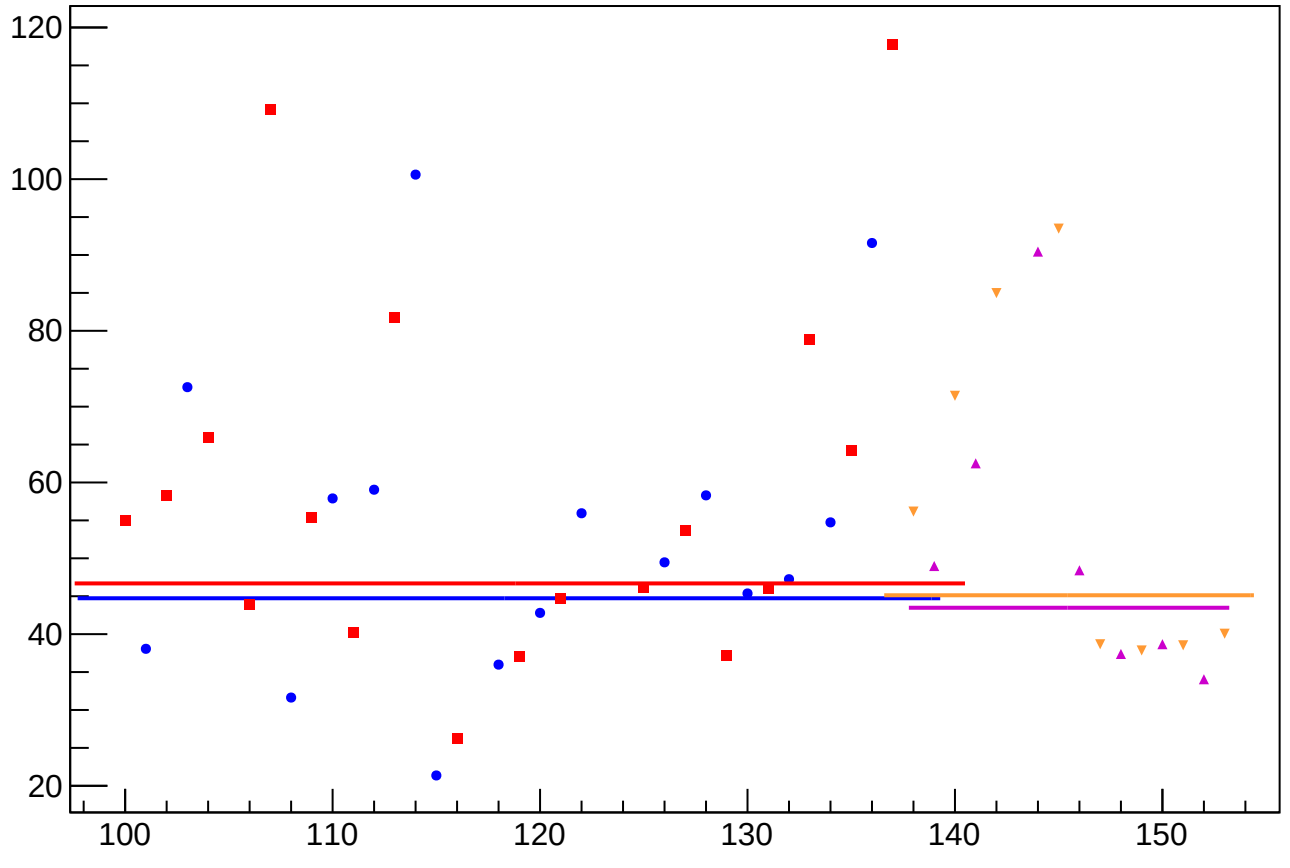
Right: 0.002+/-0.000 χ^2/NDF: 7128830.6/33

In: 0.002+/-0.000 χ^2/NDF:7803023.5/22

Out: 0.002+/-0.000 χ^2/NDF:6757137.0/25

All: 0.002+/-0.000 χ^2/NDF: 14837279.3/48


asym_usl_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
Right In: -0.026+/-0.019 χ²/NDF: 17.6/15
Left Out: -0.008+/-0.020 χ²/NDF:11.0/7
Right Out: -0.006+/-0.019 χ²/NDF: 36.5/17
Left In: -0.024+/-0.019 χ²/NDF:12.6/6
Left: -0.016+/-0.014 χ²/NDF: 23.9/14
Right: -0.016+/-0.013 χ²/NDF: 54.7/33
In: -0.025+/-0.013 χ²/NDF:30.2/22
Out: -0.007+/-0.014 χ²/NDF:47.6/25
All: -0.016+/-0.010 χ²/NDF: 78.6/48



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 45.127+/-0.014 χ^2/NDF:1028480.3/7

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 43.480+/-0.014 χ^2/NDF:829155.1/6

Left: 44.282+/-0.010 χ^2/NDF: 1864744.5/14

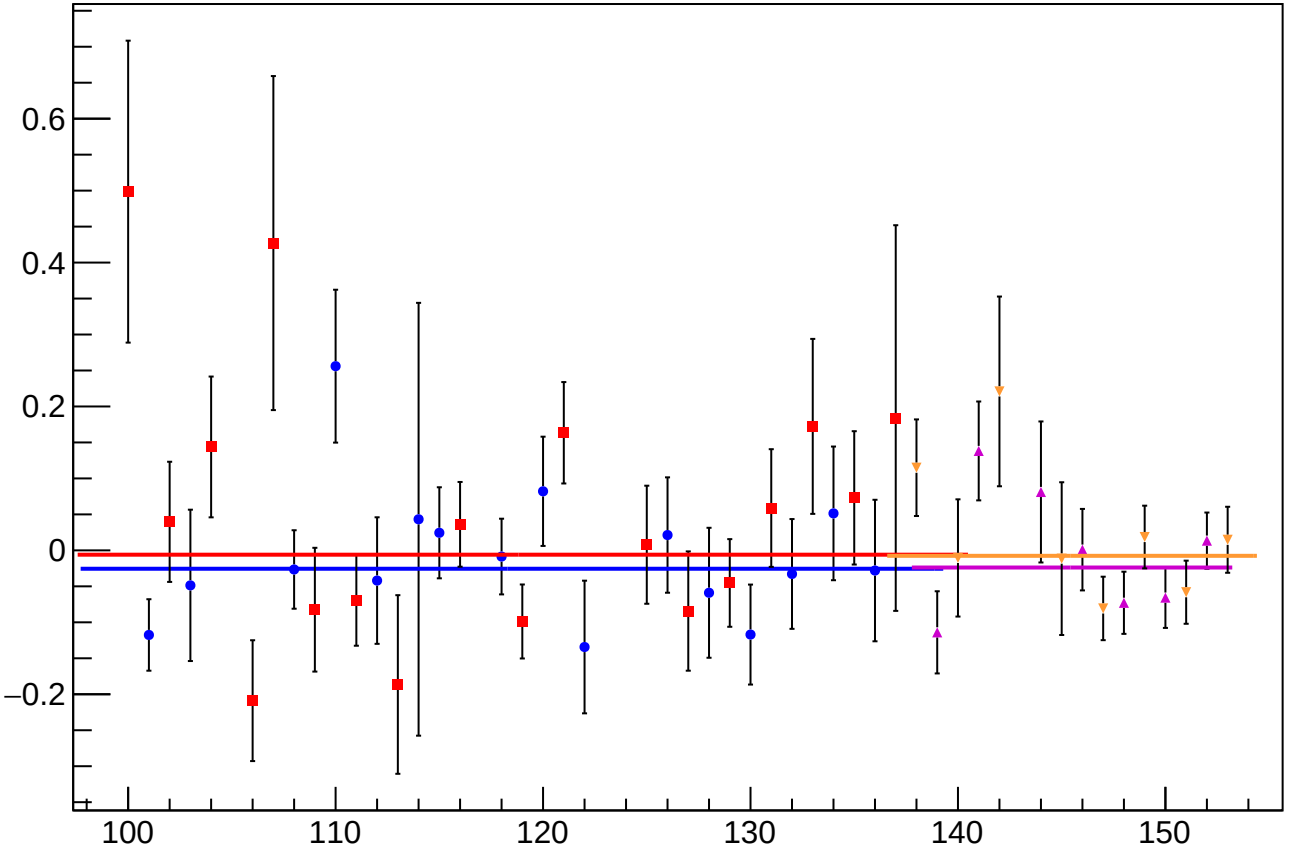
Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

In: 44.123+/-0.010 χ^2/NDF:2168090.3/22

Out: 45.924+/-0.010 χ^2/NDF:2230345.6/25

All: 44.997+/-0.007 χ^2/NDF: 4415845.2/48

asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.008+/-0.020 χ^2/NDF:11.0/7

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.024+/-0.019 χ^2/NDF:12.6/6

Left: -0.016+/-0.014 χ^2/NDF: 23.9/14

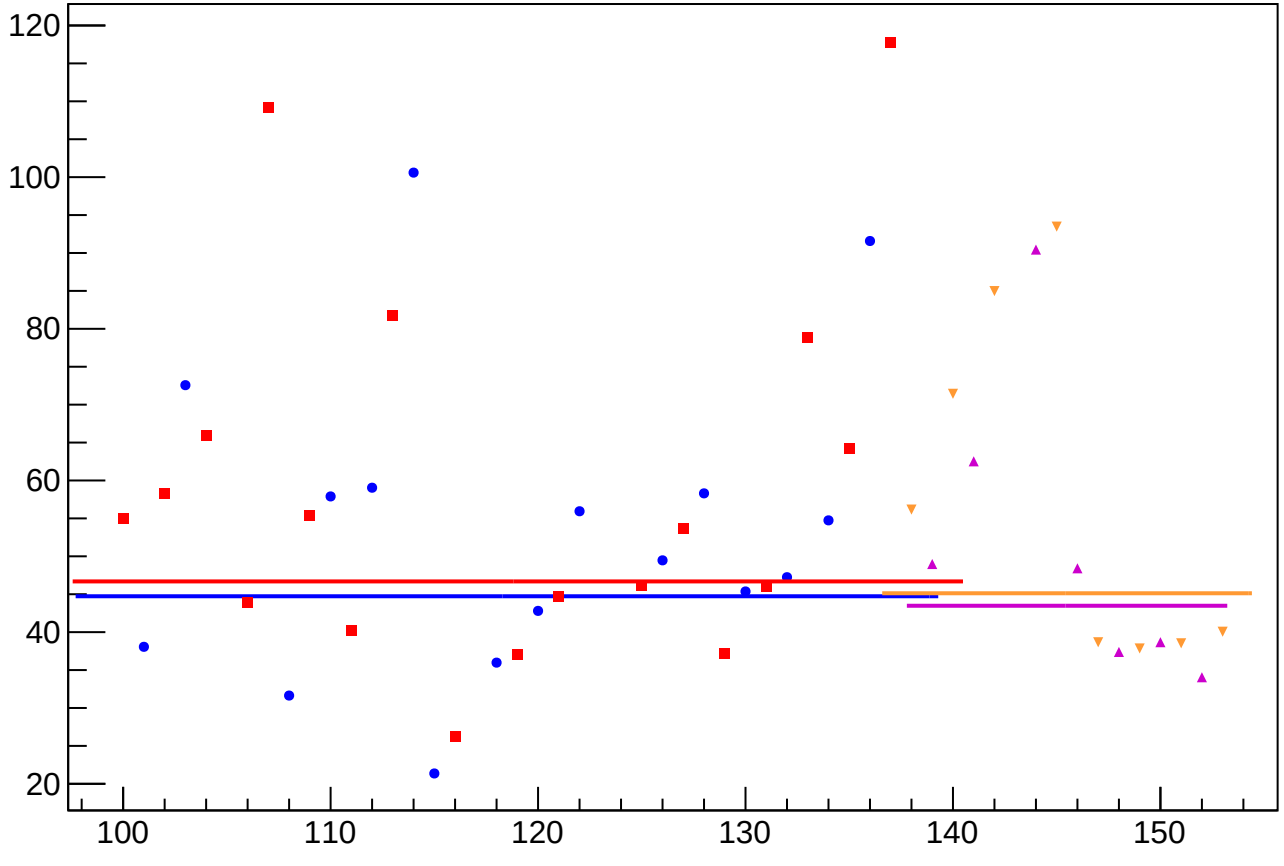
Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.025+/-0.013 χ^2/NDF:30.2/22

Out: -0.007+/-0.014 χ^2/NDF:47.6/25

All: -0.016+/-0.010 χ^2/NDF: 78.6/48

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 45.127+/-0.014 χ^2/NDF:1028480.3/7

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 43.480+/-0.014 χ^2/NDF:829155.1/6

Left: 44.282+/-0.010 χ^2/NDF: 1864744.5/14

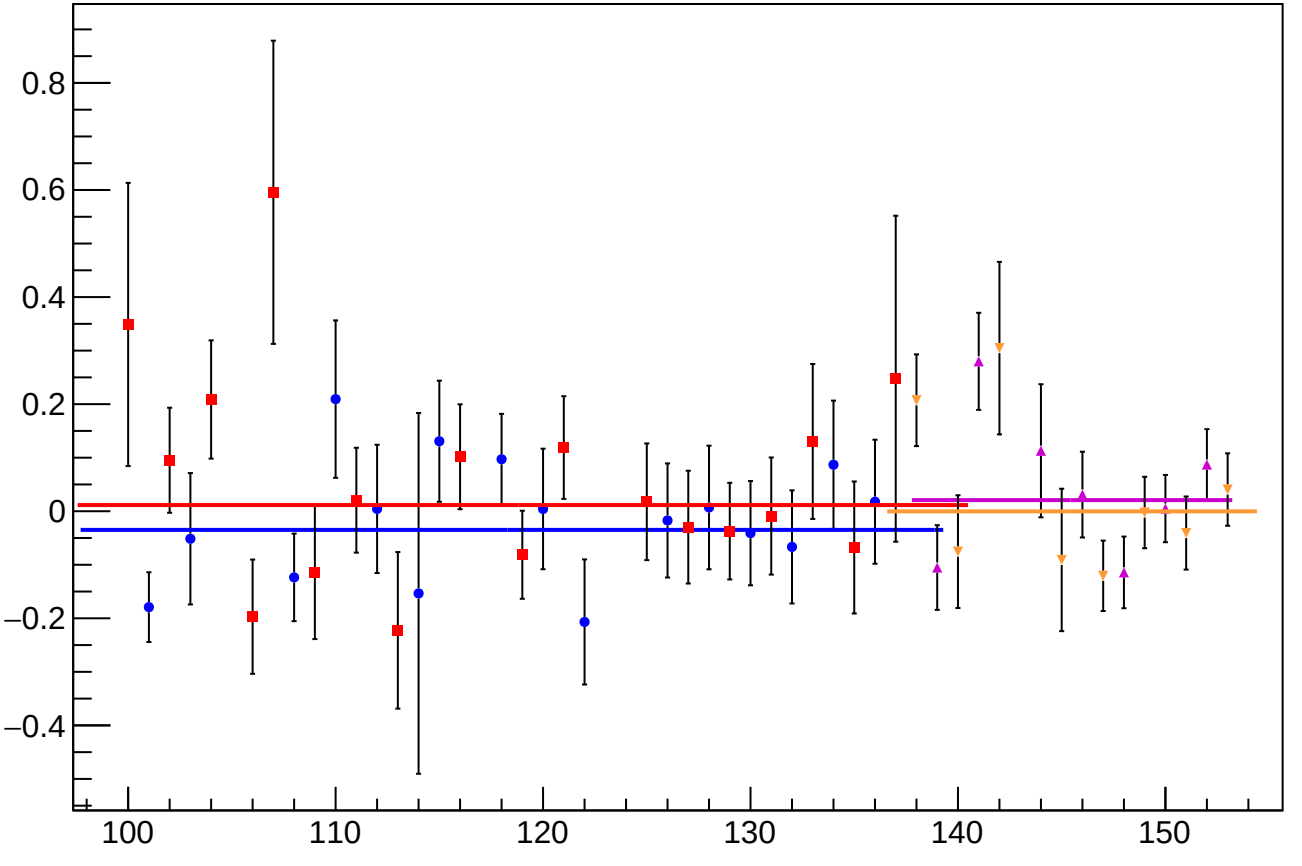
Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

In: 44.123+/-0.010 χ^2/NDF:2168090.3/22

Out: 45.924+/-0.010 χ^2/NDF:2230345.6/25

All: 44.997+/-0.007 χ^2/NDF: 4415845.2/48

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

Left Out: -0.000+/-0.029 χ^2/NDF:14.5/7

Right Out: 0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: 0.021+/-0.029 χ^2/NDF:16.4/6

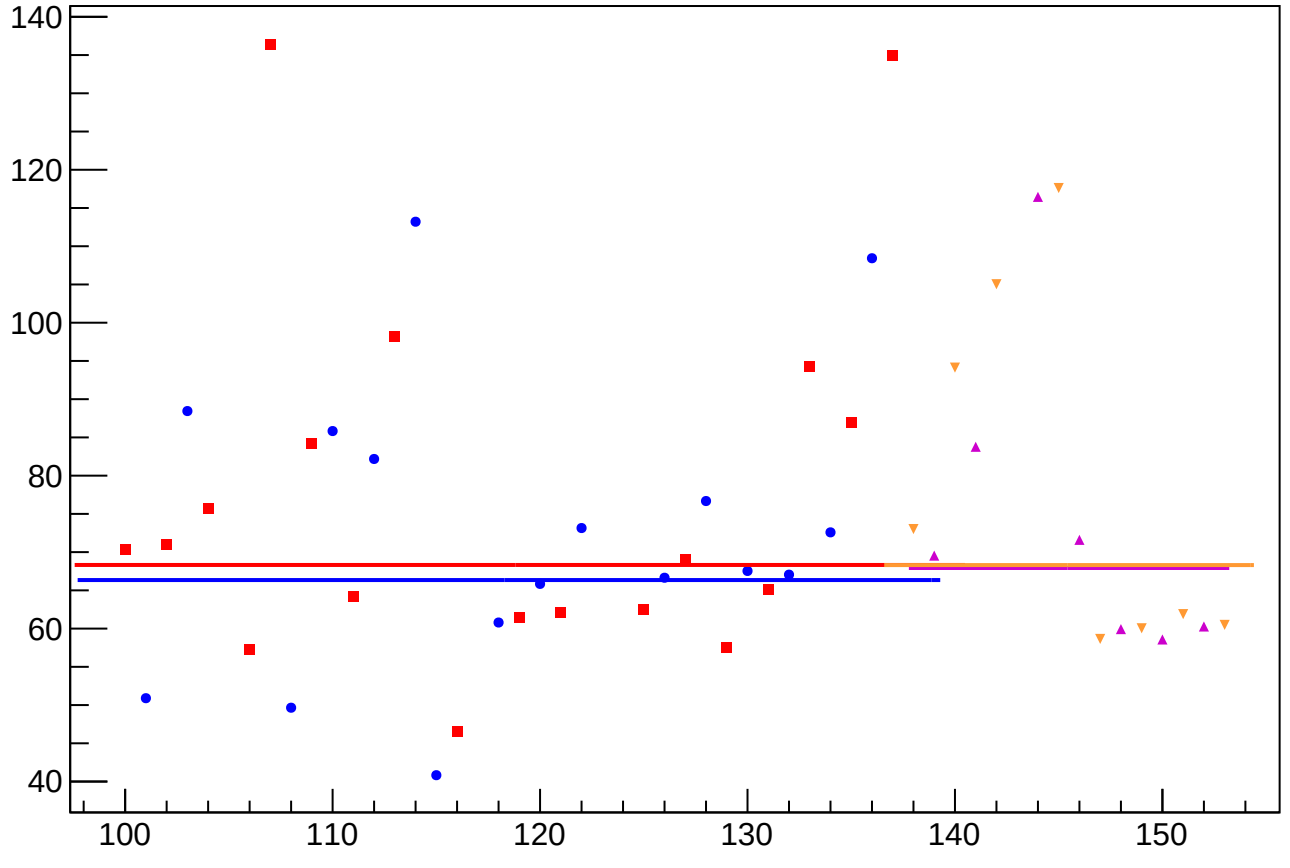
Left: 0.010+/-0.020 χ^2/NDF: 31.2/14

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

In: -0.010+/-0.019 χ^2/NDF:35.9/22

Out: 0.006+/-0.020 χ^2/NDF:37.3/25

All: -0.002+/-0.014 χ^2/NDF: 73.6/48



Right In: 66.348+/-0.019 χ^2/NDF: 772660.4/15

Left Out: 68.306+/-0.020 χ^2/NDF:623336.1/7

Right Out: 68.321+/-0.019 χ^2/NDF: 629665.7/17

Left In: 67.926+/-0.020 χ^2/NDF:470634.9/6

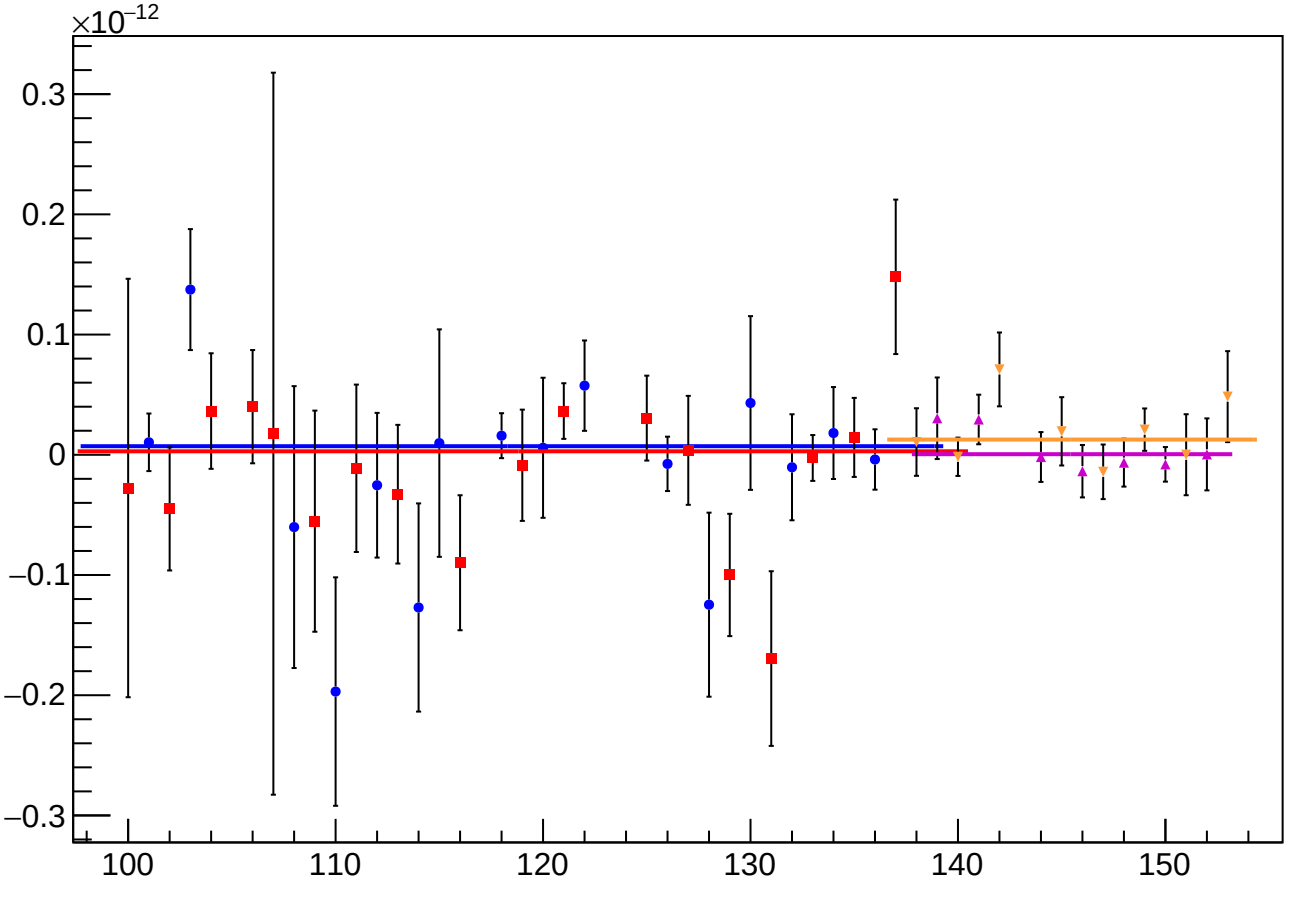
Left: 68.116+/-0.014 χ^2/NDF: 1094145.6/14

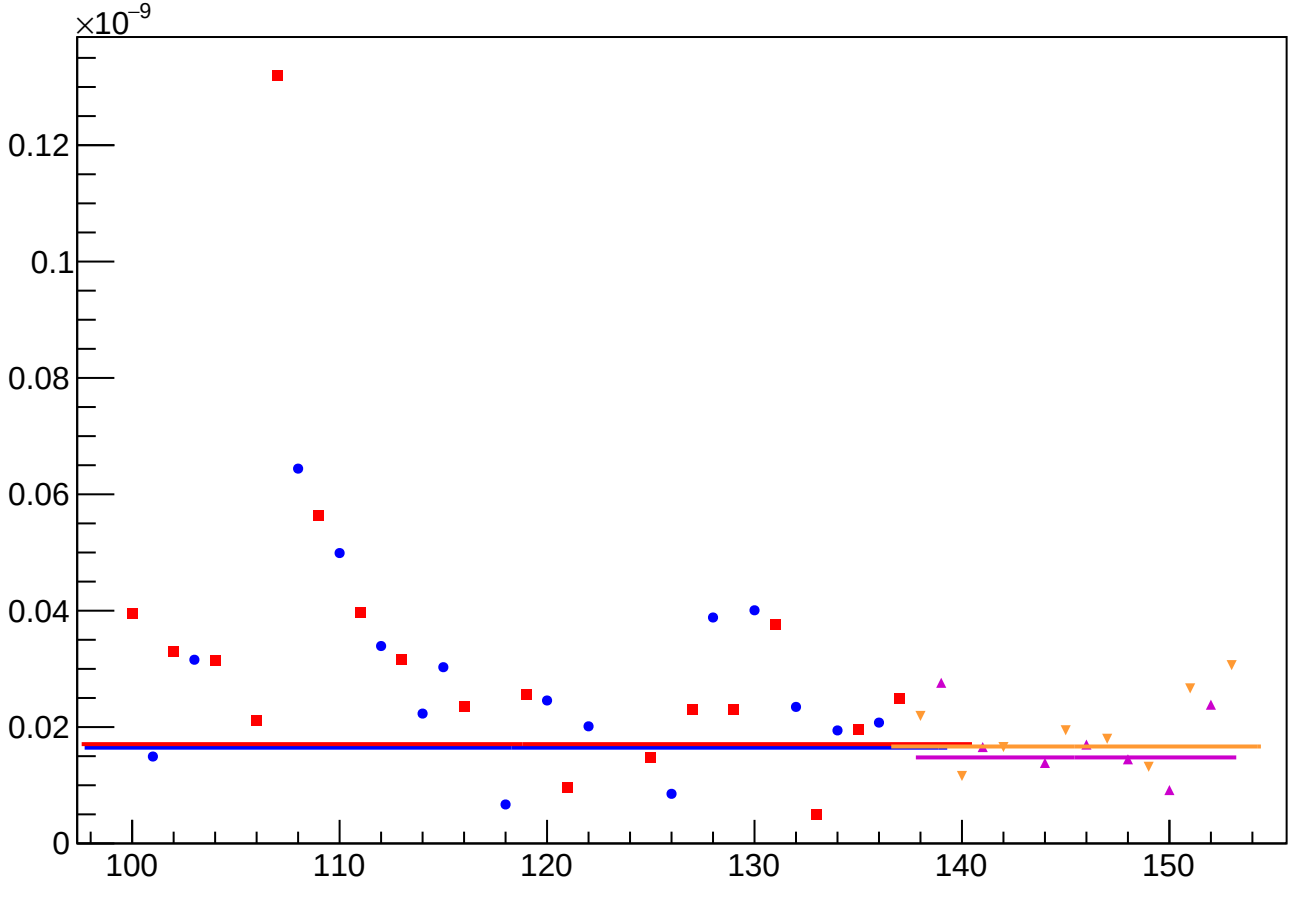
Right: 67.311+/-0.013 χ^2/NDF: 1407834.9/33

In: 67.065+/-0.014 χ^2/NDF:1246574.7/22

Out: 68.314+/-0.014 χ^2/NDF:1253002.1/25

All: 67.682+/-0.010 χ^2/NDF: 2503669.5/48


asym_usl_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10⁻¹²
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 20.4/15
Left Out: 0.000+/-0.000 χ²/NDF:7.1/7
Right Out: 0.000+/-0.000 χ²/NDF: 23.4/17
Left In: 0.000+/-0.000 χ²/NDF:3.6/6
Left: 0.000+/-0.000 χ²/NDF: 11.9/14
Right: 0.000+/-0.000 χ²/NDF: 43.9/33
In: 0.000+/-0.000 χ²/NDF:24.4/22
Out: 0.000+/-0.000 χ²/NDF:31.1/25
All: 0.000+/-0.000 χ²/NDF: 55.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 2345888.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:824578.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2791354.7/17

Left In: 0.000+/-0.000 χ^2/NDF:813288.2/6

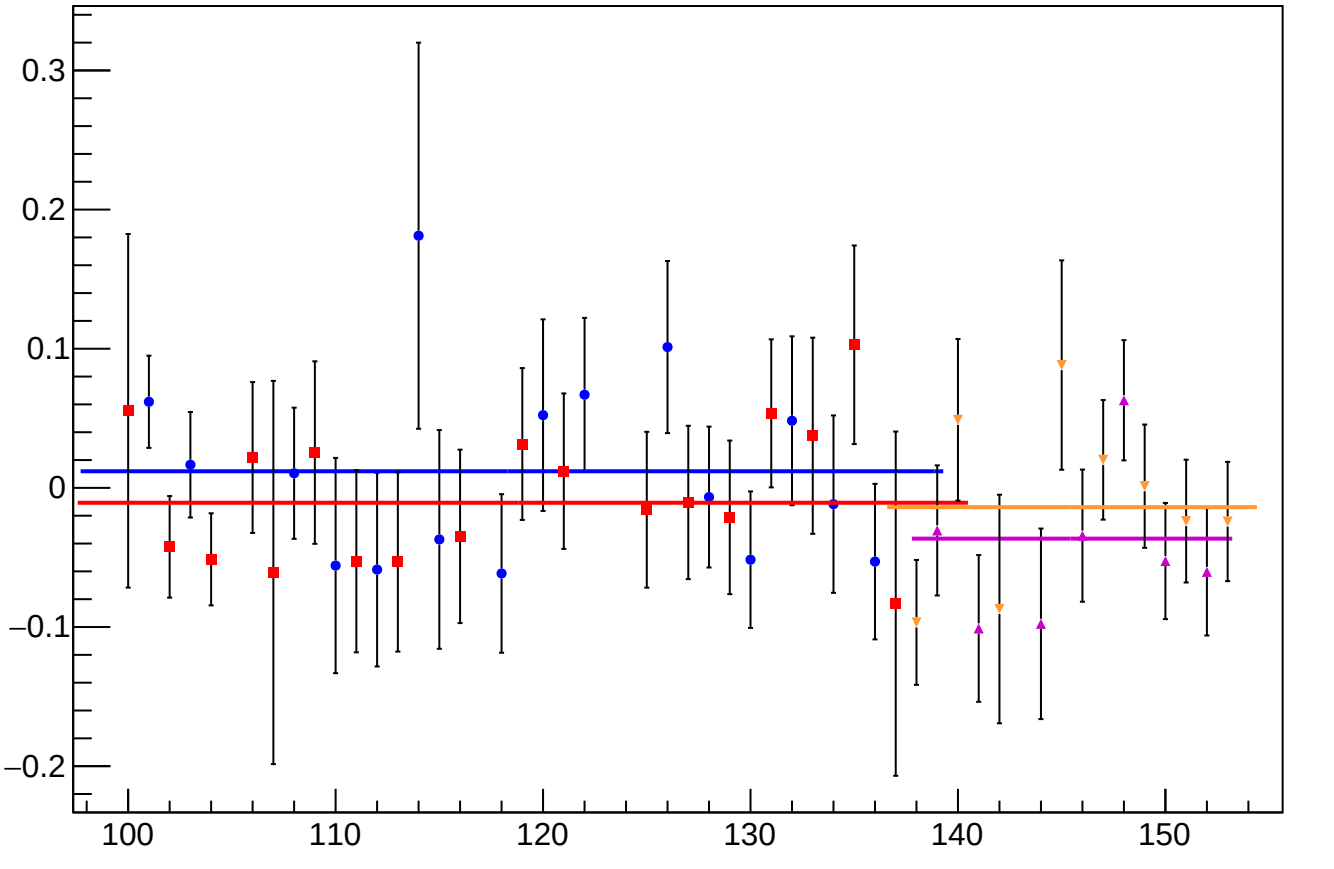
Left: 0.000+/-0.000 χ^2/NDF: 1691208.5/14

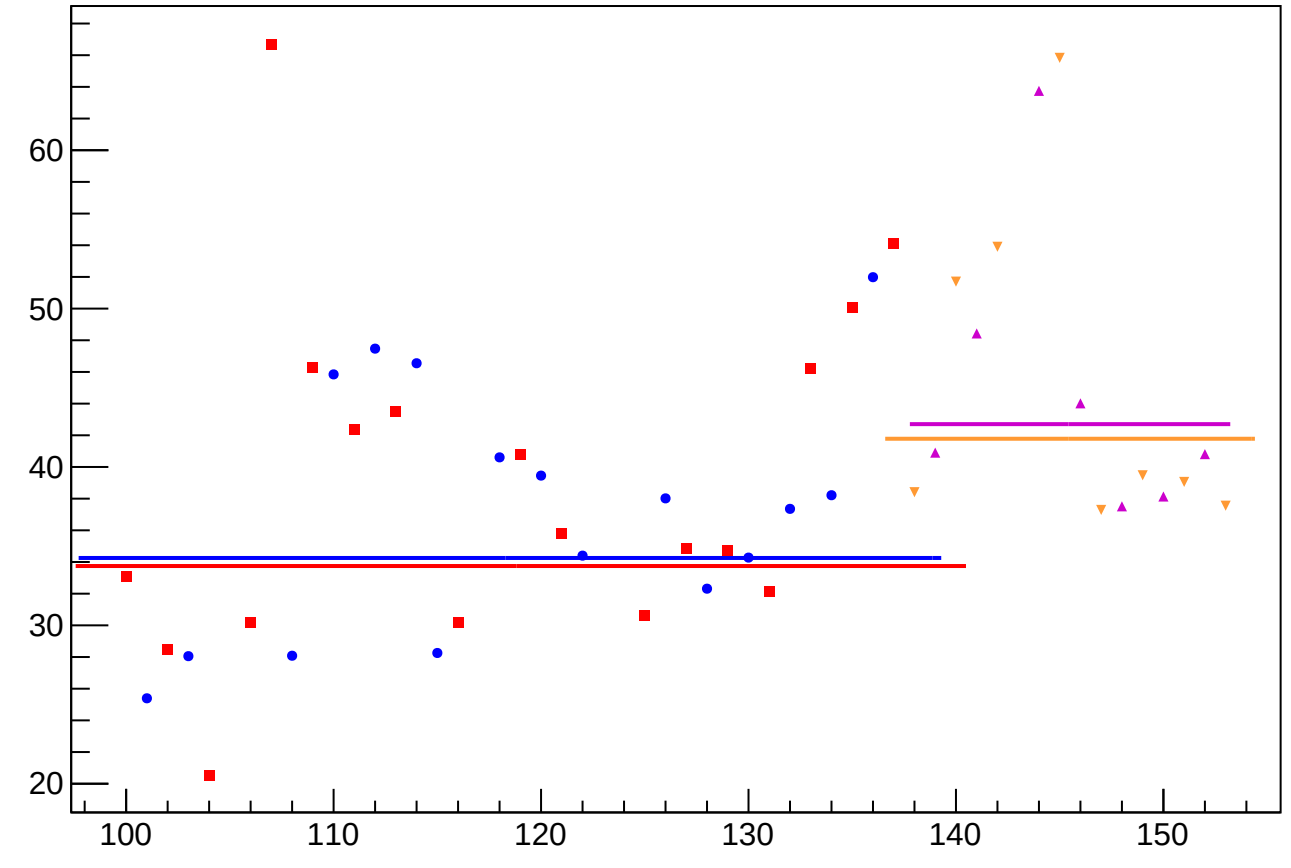
Right: 0.000+/-0.000 χ^2/NDF: 5141308.5/33

In: 0.000+/-0.000 χ^2/NDF:3197590.6/22

Out: 0.000+/-0.000 χ^2/NDF:3617920.1/25

All: 0.000+/-0.000 χ^2/NDF: 6862476.0/48


asym_usl_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
Right In: 0.012+/-0.014 χ²/NDF: 14.7/15
Left Out: -0.014+/-0.018 χ²/NDF:8.1/7
Right Out: -0.011+/-0.013 χ²/NDF: 9.9/17
Left In: -0.036+/-0.018 χ²/NDF:8.0/6
Left: -0.025+/-0.013 χ²/NDF: 16.9/14
Right: 0.000+/-0.010 χ²/NDF: 26.0/33
In: -0.006+/-0.011 χ²/NDF:27.3/22
Out: -0.012+/-0.011 χ²/NDF:18.0/25
All: -0.009+/-0.008 χ²/NDF: 45.5/48



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 41.782+/-0.012 χ^2/NDF:372001.2/7

Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 42.705+/-0.013 χ^2/NDF:273233.6/6

Left: 42.231+/-0.009 χ^2/NDF: 647910.0/14

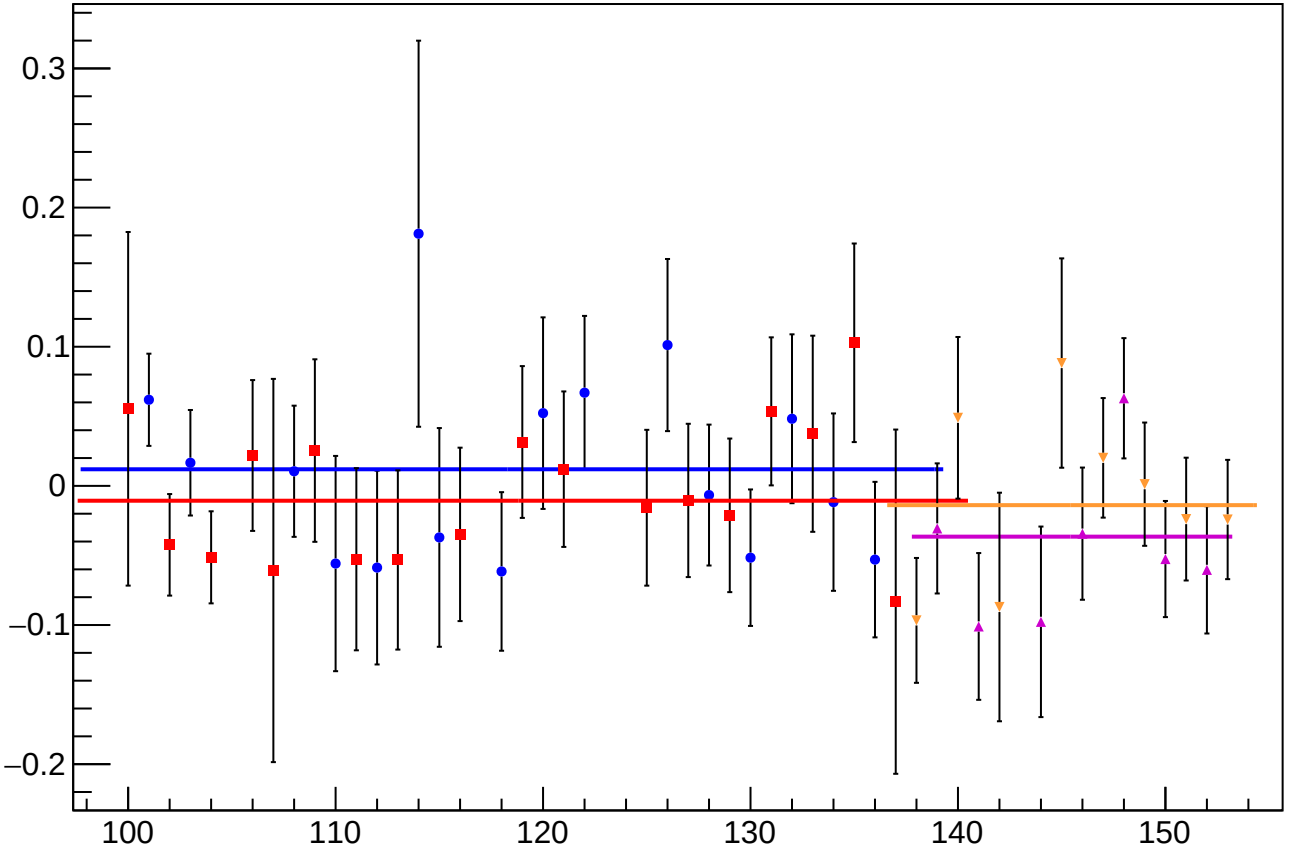
Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 37.313+/-0.008 χ^2/NDF:1188179.1/22

Out: 36.706+/-0.008 χ^2/NDF:1547215.7/25

All: 37.004+/-0.005 χ^2/NDF: 2738563.6/48

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.014+/-0.018 χ^2/NDF:8.1/7

Right Out: -0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: -0.036+/-0.018 χ^2/NDF:8.0/6

Left: -0.025+/-0.013 χ^2/NDF: 16.9/14

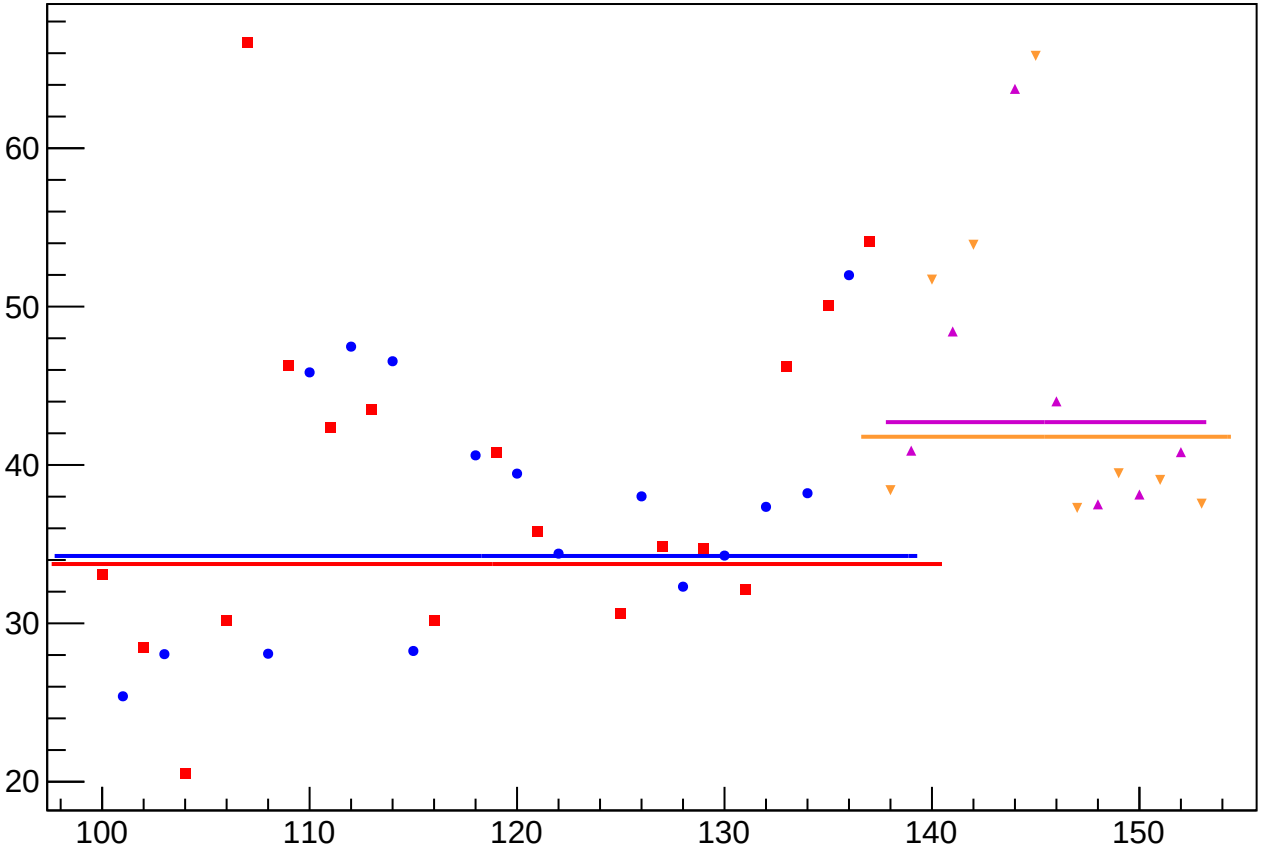
Right: 0.000+/-0.010 χ^2/NDF: 26.0/33

In: -0.006+/-0.011 χ^2/NDF:27.3/22

Out: -0.012+/-0.011 χ^2/NDF:18.0/25

All: -0.009+/-0.008 χ^2/NDF: 45.5/48

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 41.782+/-0.012 χ^2/NDF:372001.2/7

Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 42.705+/-0.013 χ^2/NDF:273233.6/6

Left: 42.231+/-0.009 χ^2/NDF: 647910.0/14

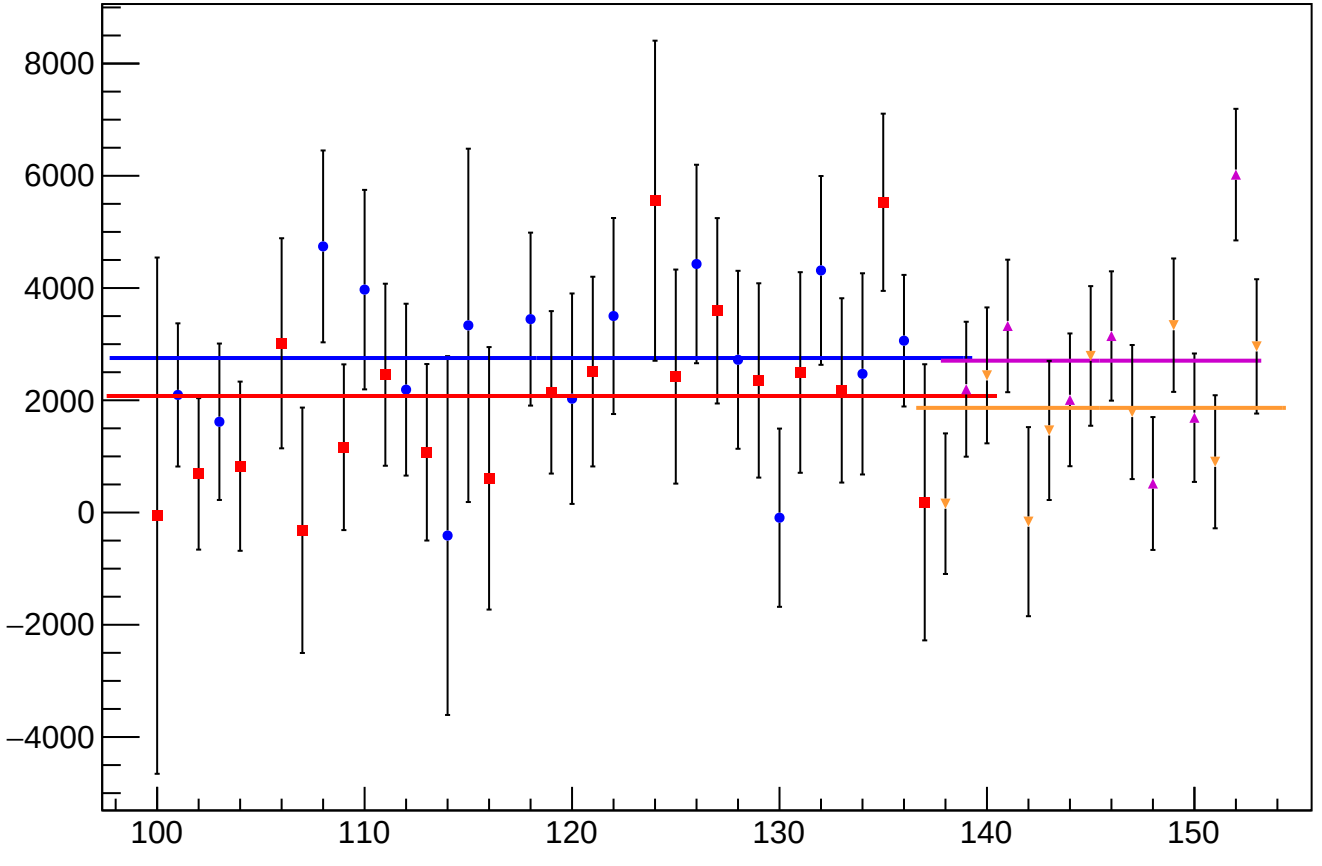
Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 37.313+/-0.008 χ^2/NDF:1188179.1/22

Out: 36.706+/-0.008 χ^2/NDF:1547215.7/25

All: 37.004+/-0.005 χ^2/NDF: 2738563.6/48

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1864.798+/-415.685 χ^2/NDF:7.2/8

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2705.599+/-443.560 χ^2/NDF:13.2/6

Left: 2257.951+/-303.310 χ^2/NDF: 22.3/15

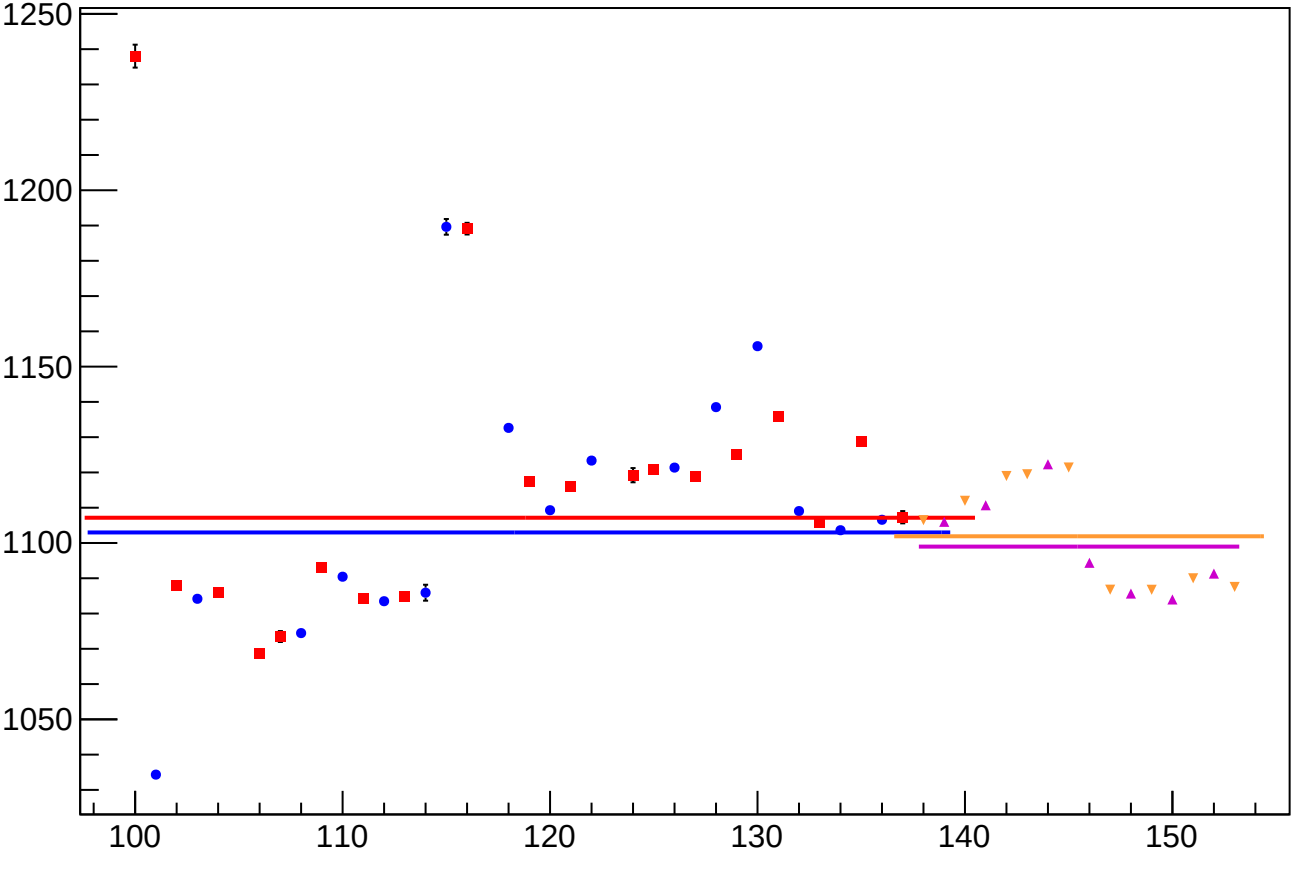
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2731.236+/-301.016 χ^2/NDF:22.7/22

Out: 1973.705+/-289.639 χ^2/NDF:19.9/27

All: 2337.885+/-208.712 χ^2/NDF: 45.8/50

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1101.900+/-0.294 χ^2/NDF:2401.0/8

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1098.974+/-0.314 χ^2/NDF:1757.4/6

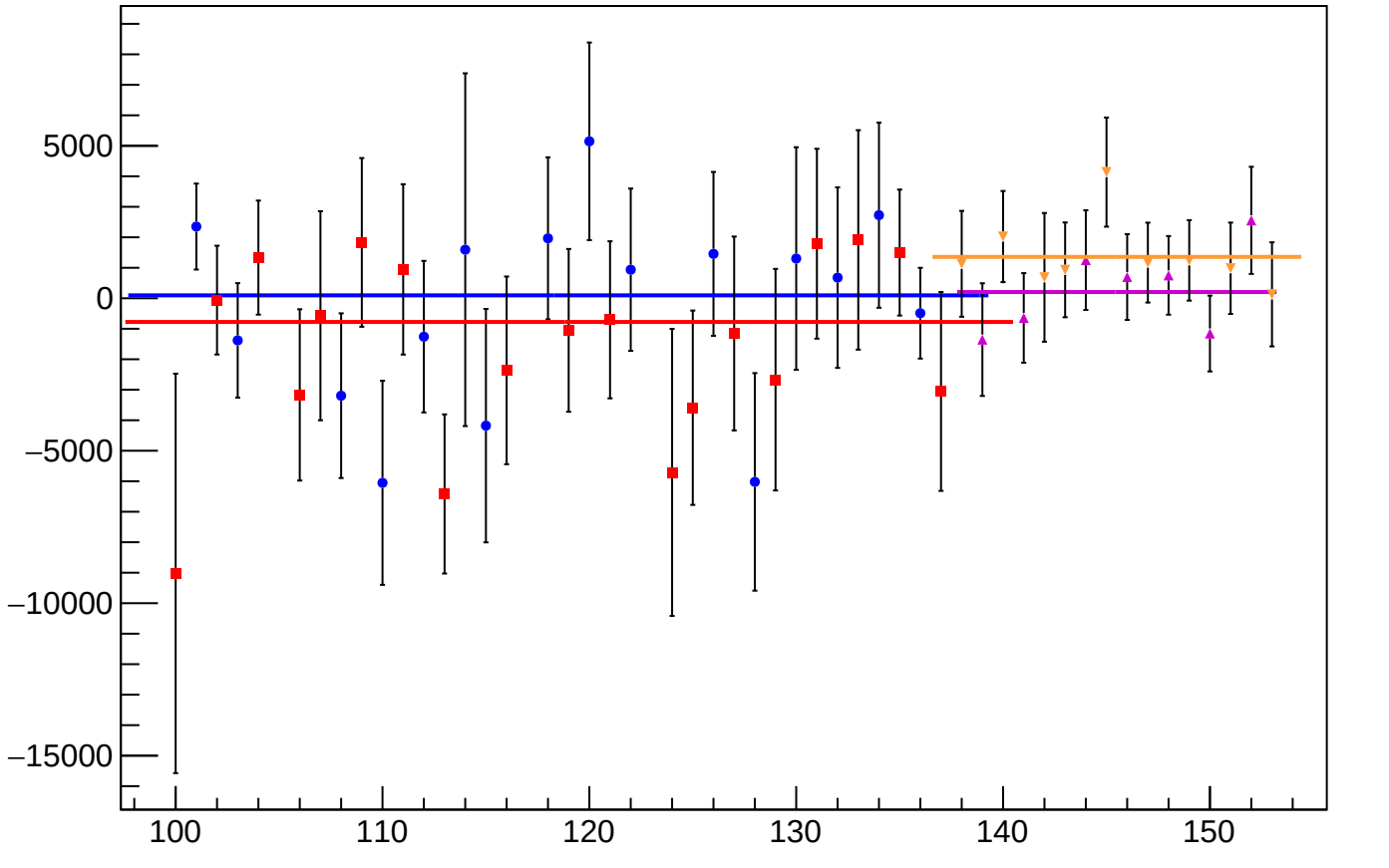
Left: 1100.532+/-0.214 χ^2/NDF: 4204.7/15

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

In: 1101.139+/-0.213 χ^2/NDF:15069.5/22

Out: 1104.606+/-0.205 χ^2/NDF:11249.1/27

All: 1102.939+/-0.148 χ^2/NDF: 26456.3/50



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1357.514+/-521.563 χ^2/NDF:3.4/8

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 205.085+/-558.250 χ^2/NDF:4.7/6

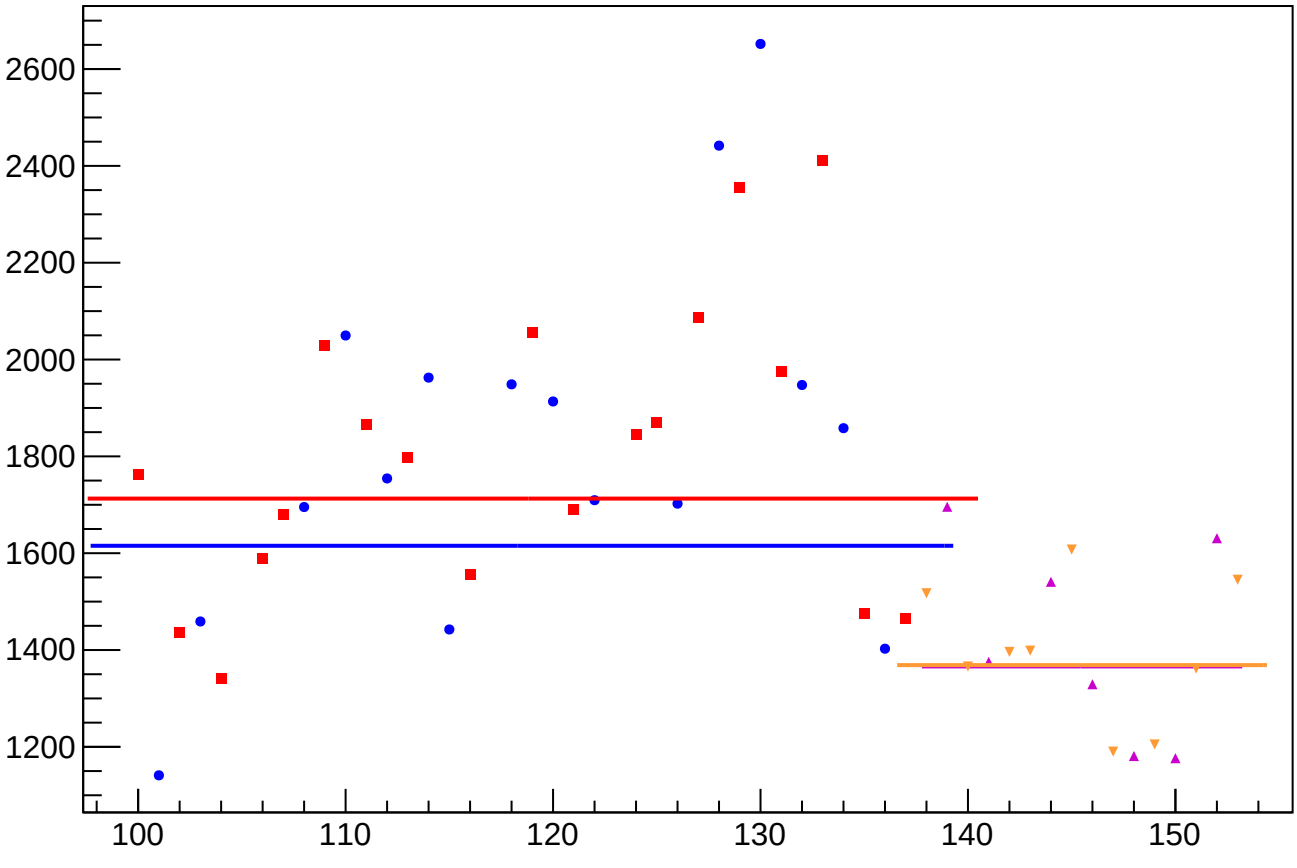
Left: 820.408+/-381.111 χ^2/NDF: 10.4/15

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

In: 156.057+/-414.289 χ^2/NDF:21.7/22

Out: 500.792+/-403.541 χ^2/NDF:25.2/27

All: 332.954+/-289.071 χ^2/NDF: 47.3/50



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1368.850+/-0.369 χ^2/NDF:140711.9/8

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1366.077+/-0.395 χ^2/NDF:221257.4/6

Left: 1367.558+/-0.269 χ^2/NDF: 361995.6/15

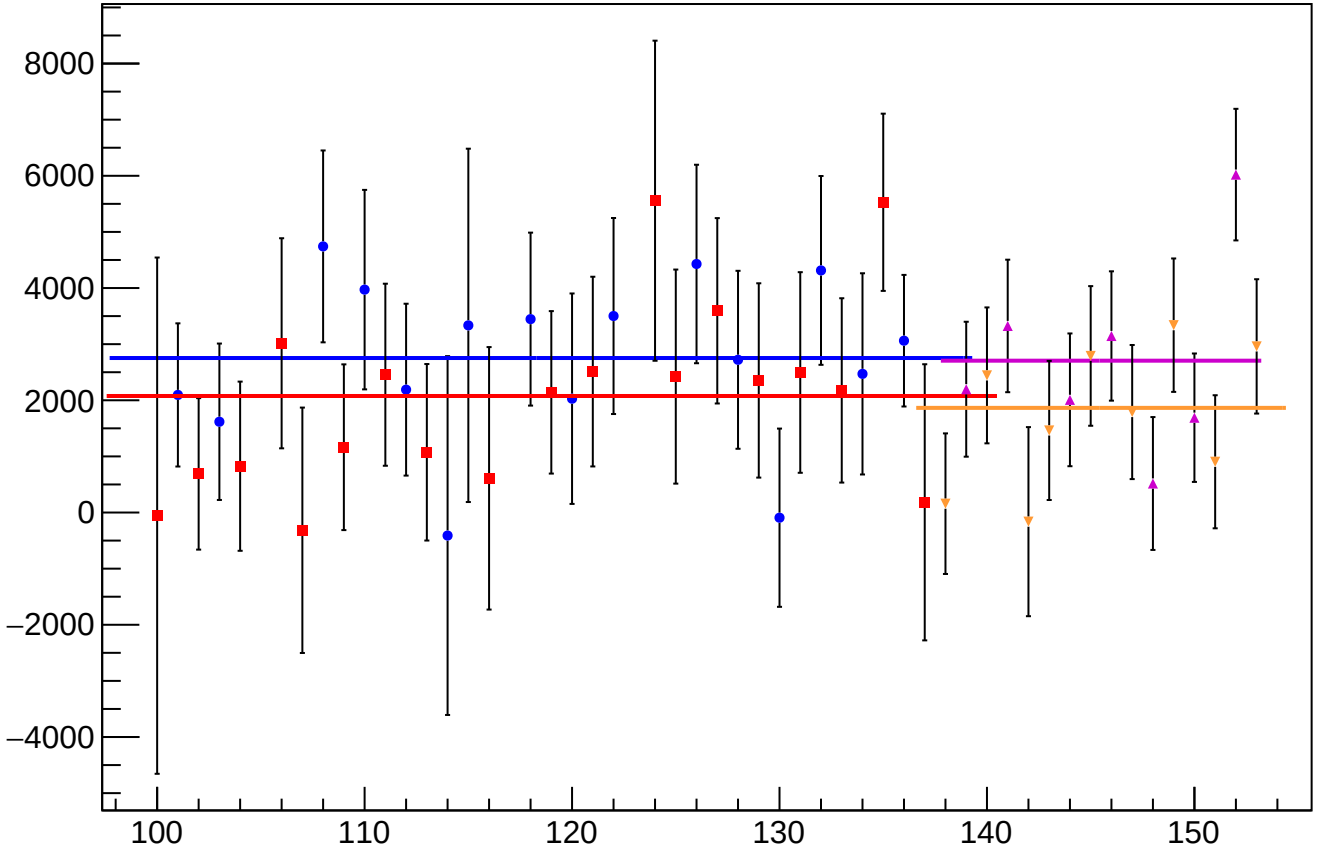
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1478.049+/-0.293 χ^2/NDF:1093988.5/22

Out: 1506.900+/-0.285 χ^2/NDF:917871.3/27

All: 1492.854+/-0.204 χ^2/NDF: 2016836.7/50

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1864.798+/-415.685 χ^2/NDF:7.2/8

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2705.599+/-443.560 χ^2/NDF:13.2/6

Left: 2257.951+/-303.310 χ^2/NDF: 22.3/15

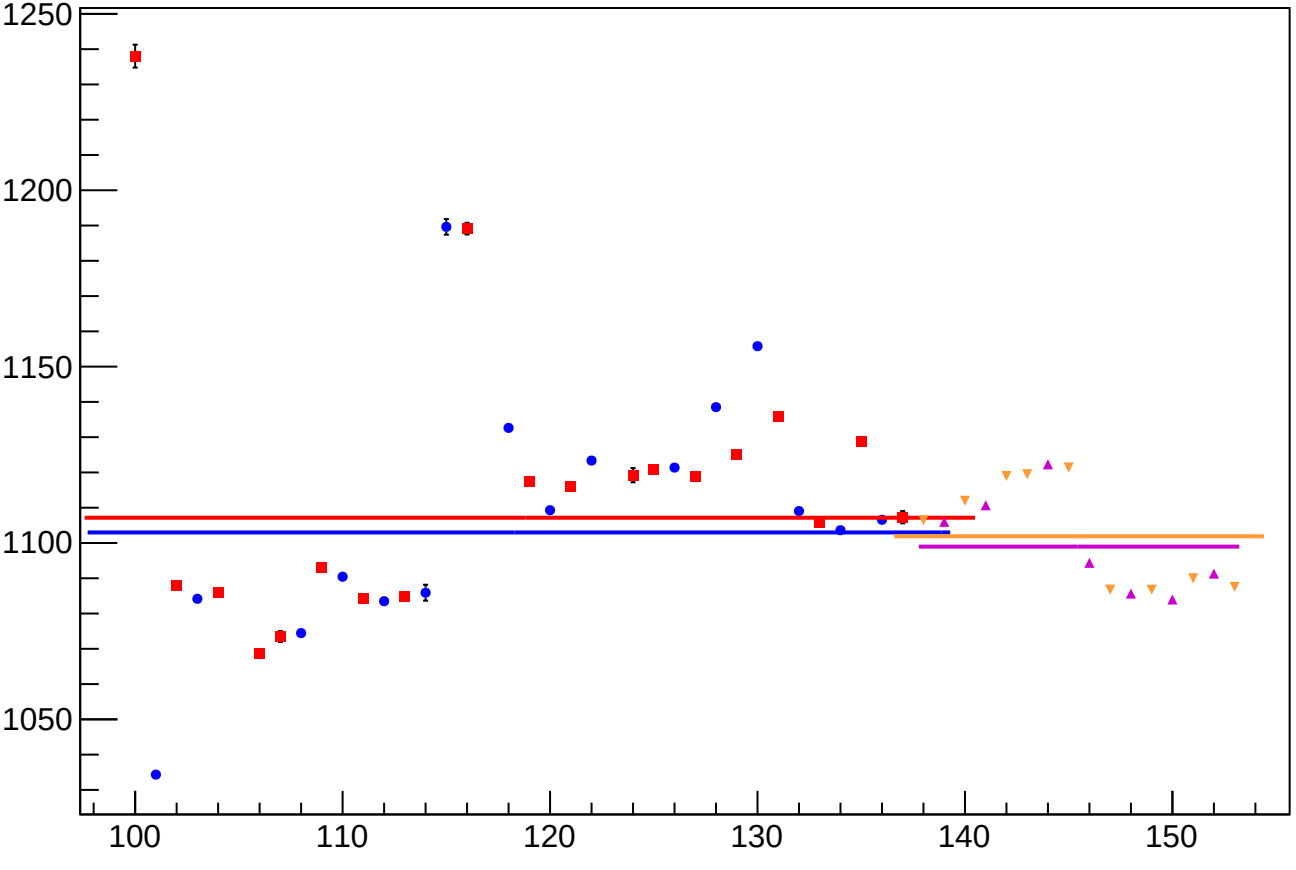
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2731.236+/-301.016 χ^2/NDF:22.7/22

Out: 1973.705+/-289.639 χ^2/NDF:19.9/27

All: 2337.885+/-208.712 χ^2/NDF: 45.8/50

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1101.900+/-0.294 χ^2/NDF:2401.0/8

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1098.974+/-0.314 χ^2/NDF:1757.4/6

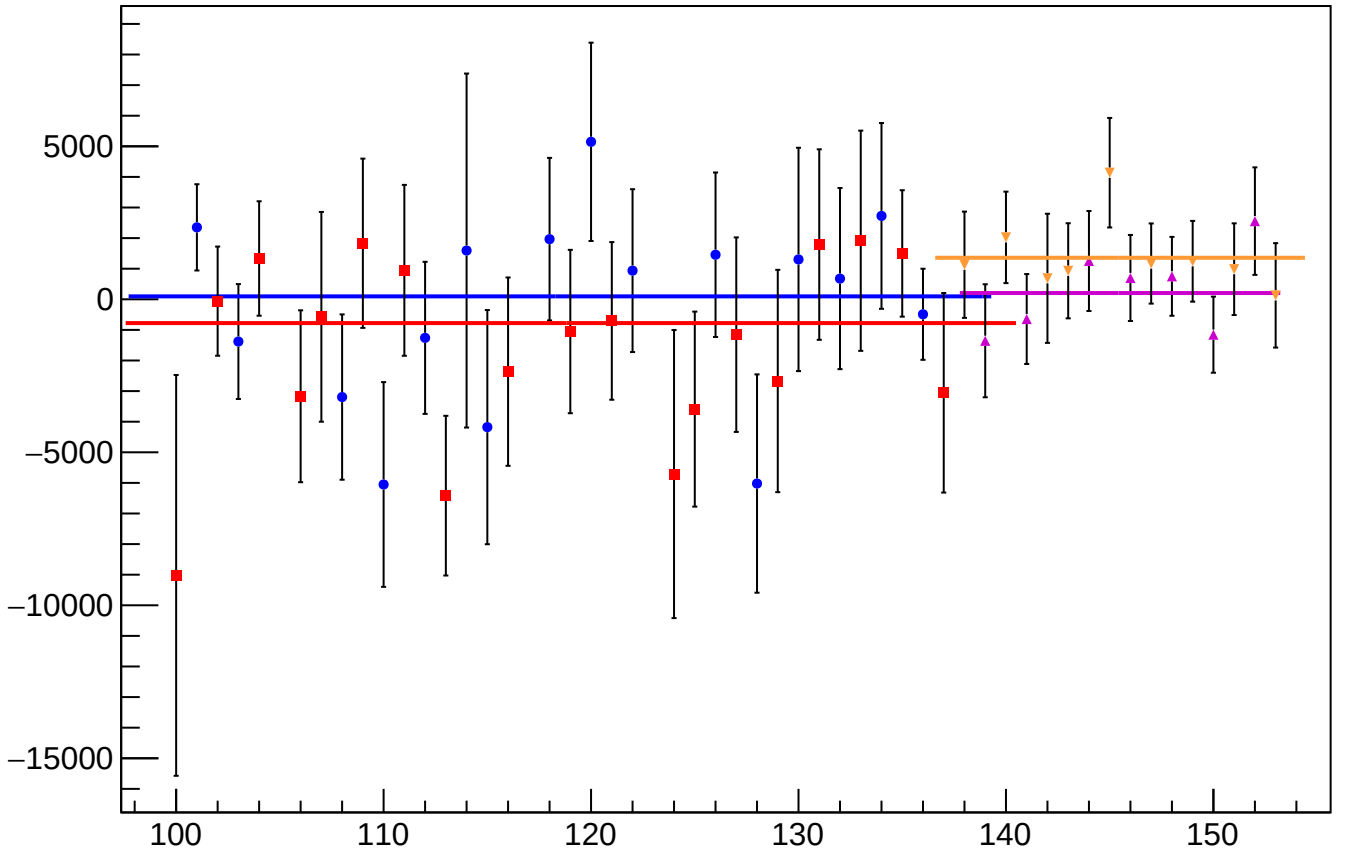
Left: 1100.532+/-0.214 χ^2/NDF: 4204.7/15

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

In: 1101.139+/-0.213 χ^2/NDF:15069.5/22

Out: 1104.606+/-0.205 χ^2/NDF:11249.1/27

All: 1102.939+/-0.148 χ^2/NDF: 26456.3/50



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1357.514+/-521.563 χ^2/NDF:3.4/8

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 205.085+/-558.250 χ^2/NDF:4.7/6

Left: 820.408+/-381.111 χ^2/NDF: 10.4/15

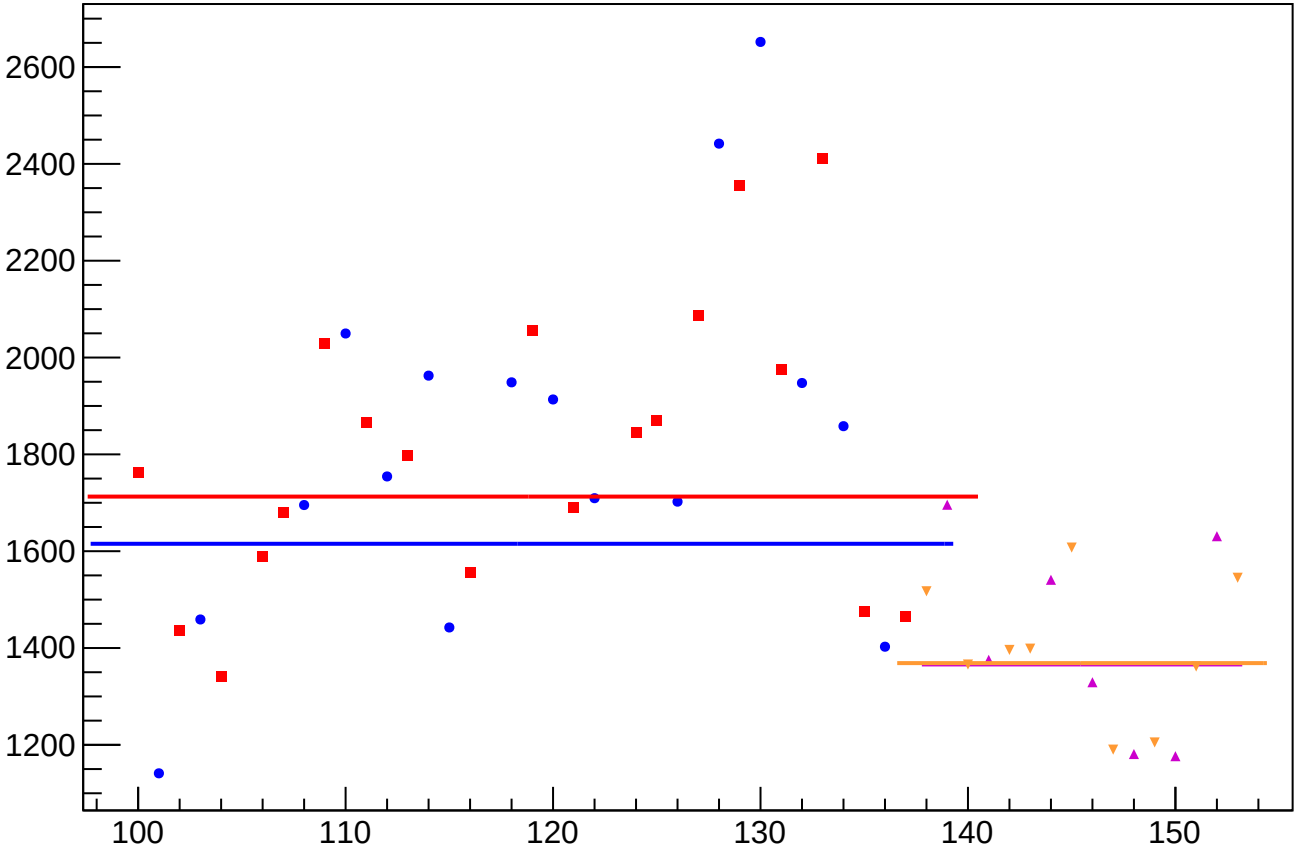
Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: 156.057+/-414.289 χ^2/NDF:21.7/22

Out: 500.792+/-403.541 χ^2/NDF:25.2/27

All: 332.954+/-289.071 χ^2/NDF: 47.3/50

asym_usr_cor_correction_rms vs Slug, Sign Corrected



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1368.850+/-0.369 χ^2/NDF:140711.9/8

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1366.077+/-0.395 χ^2/NDF:221257.4/6

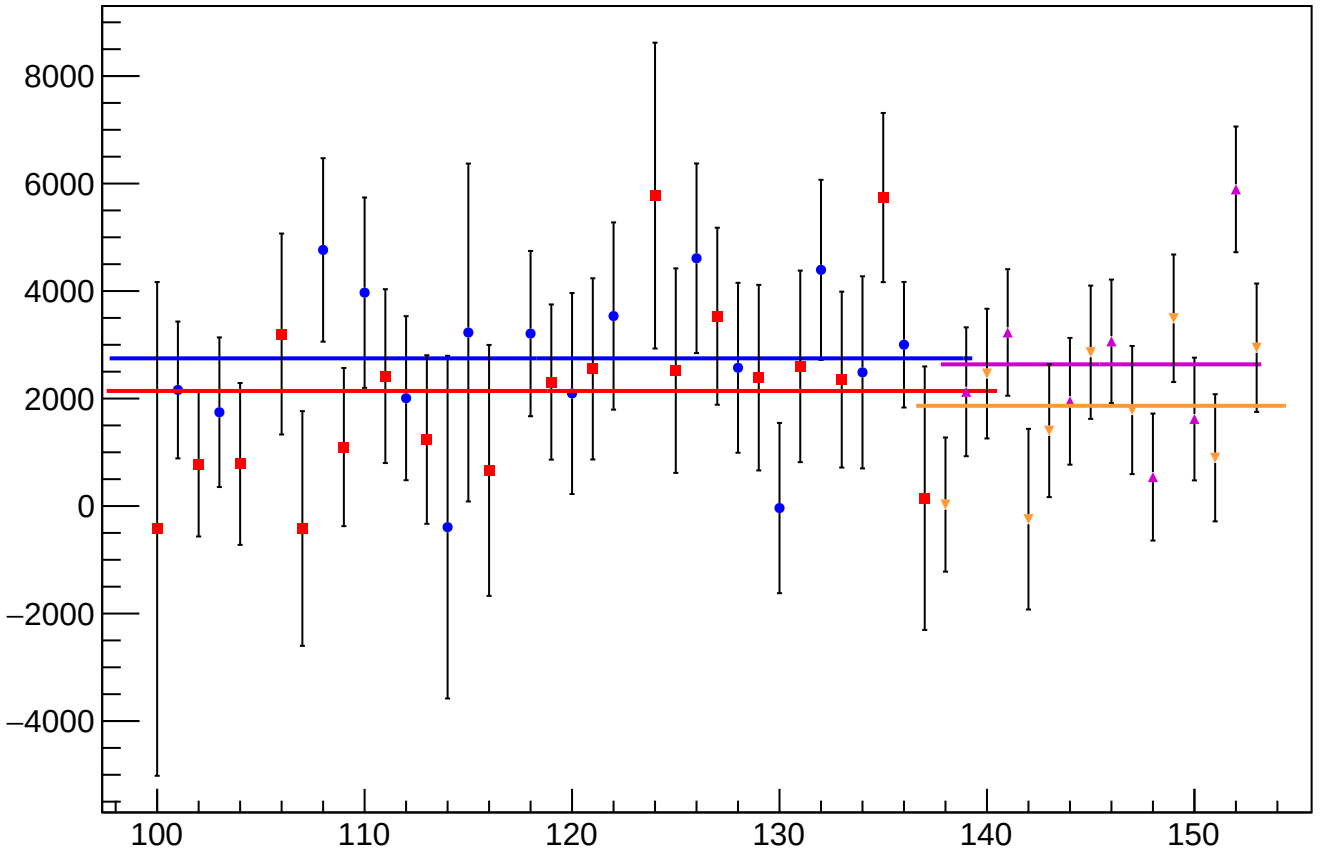
Left: 1367.558+/-0.269 χ^2/NDF: 361995.6/15

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

In: 1478.049+/-0.293 χ^2/NDF:1093988.5/22

Out: 1506.900+/-0.285 χ^2/NDF:917871.3/27

All: 1492.854+/-0.204 χ^2/NDF: 2016836.7/50



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 1864.889+/-414.563 χ^2/NDF:8.2/8

Right Out: 2141.169+/-402.789 χ^2/NDF: 13.6/18

Left In: 2636.211+/-442.453 χ^2/NDF:12.6/6

Left: 2225.476+/-302.520 χ^2/NDF: 22.4/15

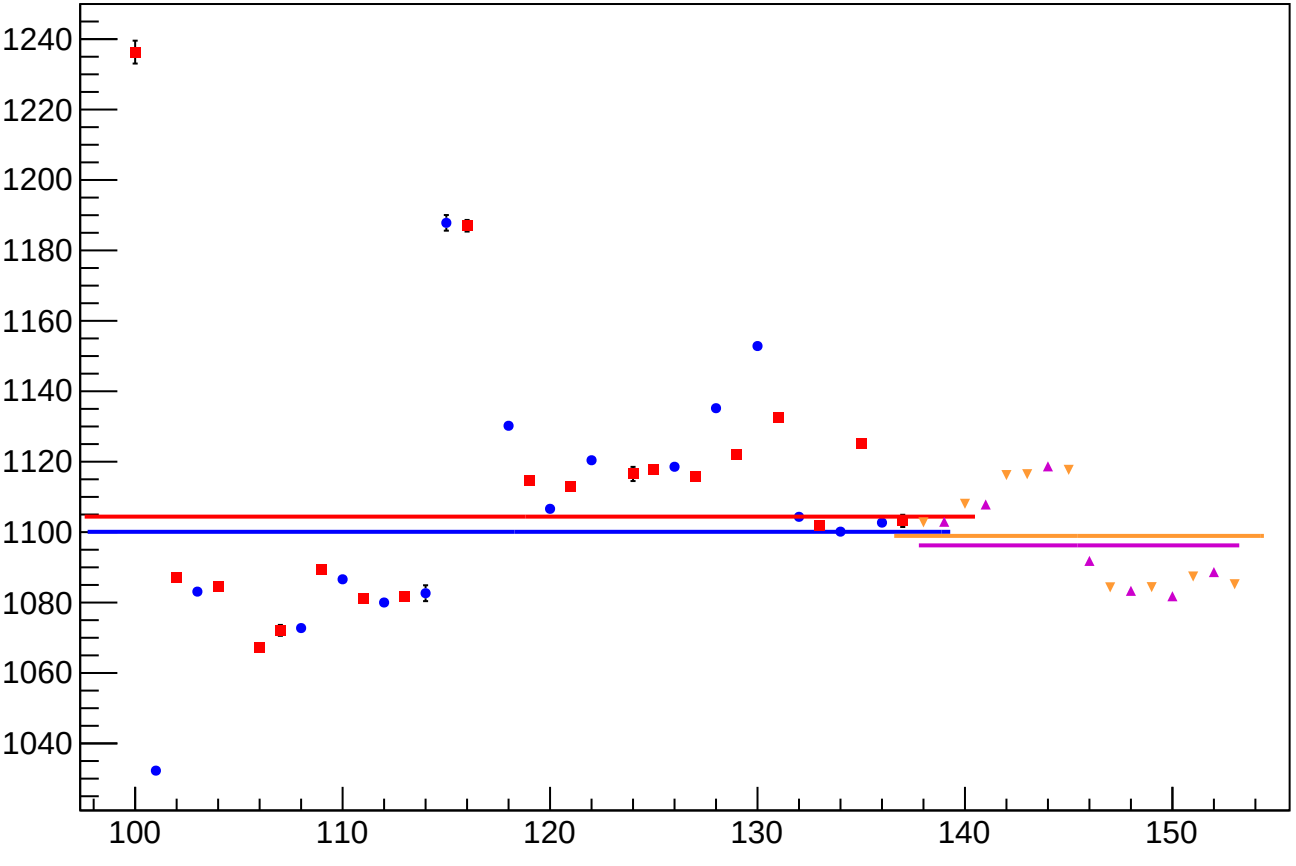
Right: 2440.090+/-286.902 χ^2/NDF: 24.2/34

In: 2696.491+/-300.242 χ^2/NDF:22.1/22

Out: 2007.008+/-288.887 χ^2/NDF:21.9/27

All: 2338.466+/-208.173 χ^2/NDF: 46.8/50

overload_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1098.931+/-0.293 χ^2/NDF:2260.2/8

Right Out: 1104.403+/-0.285 χ^2/NDF: 8543.5/18

Left In: 1096.235+/-0.313 χ^2/NDF:1654.2/6

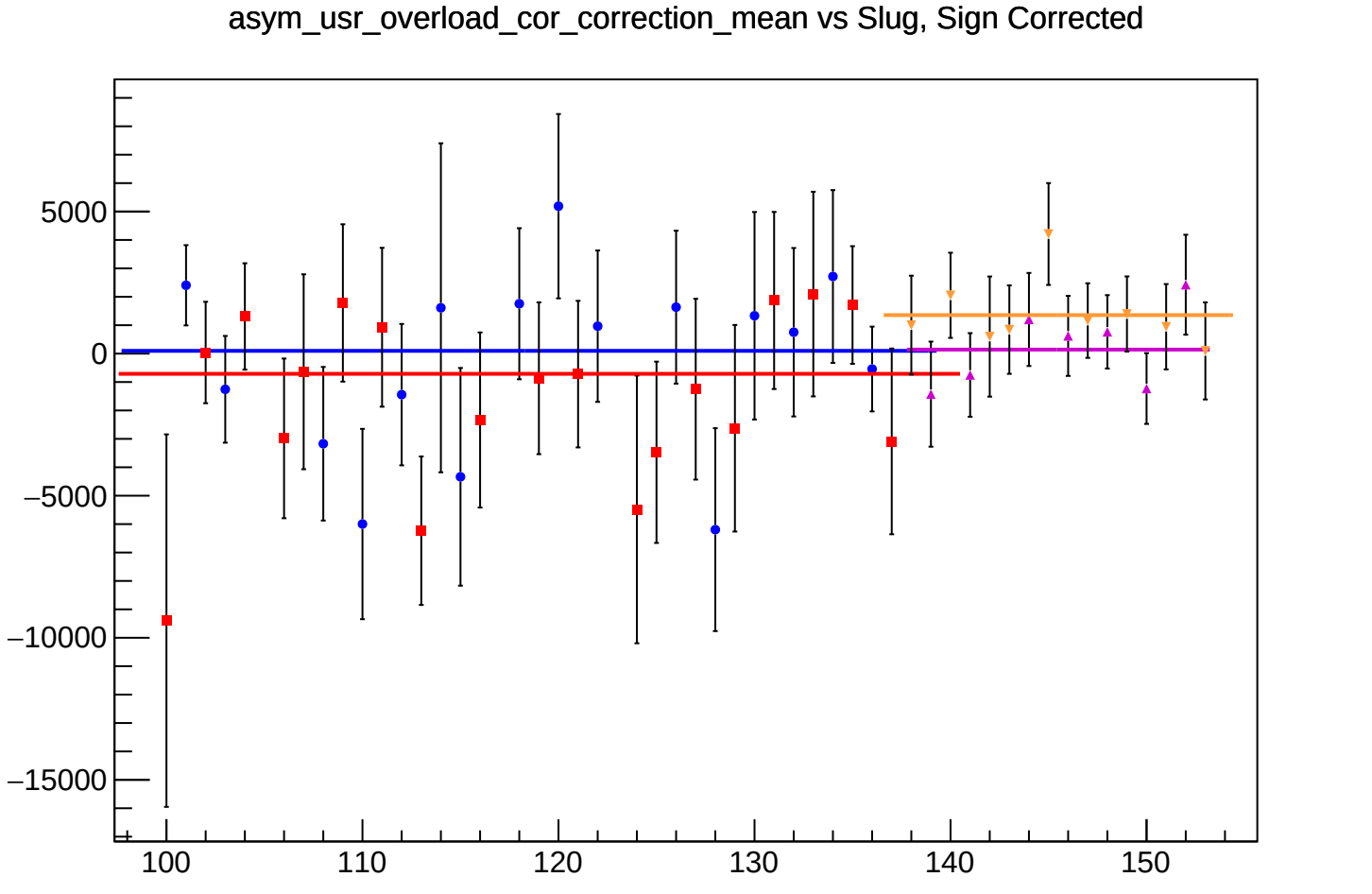
Left: 1097.671+/-0.214 χ^2/NDF: 3953.9/15

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

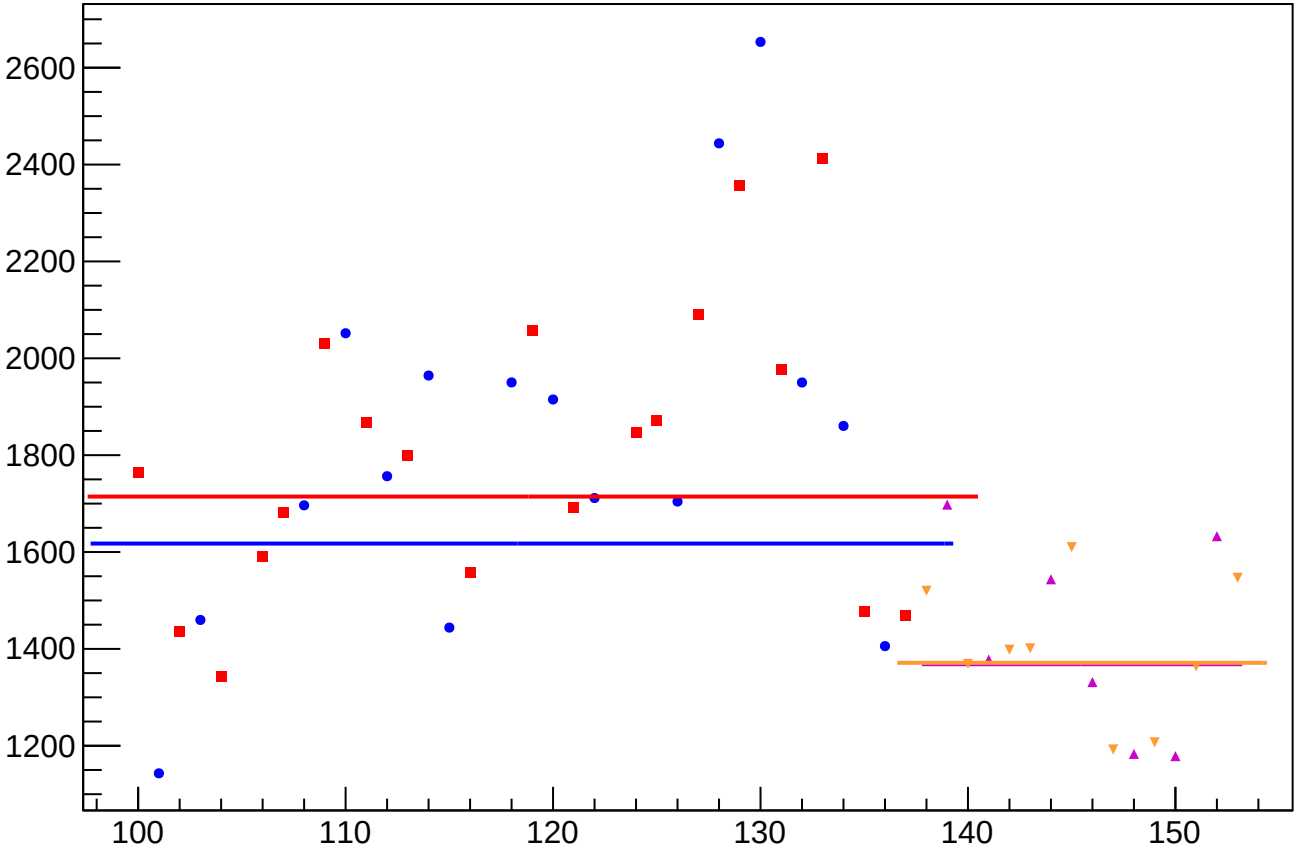
In: 1098.315+/-0.212 χ^2/NDF:14813.2/22

Out: 1101.746+/-0.204 χ^2/NDF:10982.9/27

All: 1100.096+/-0.147 χ^2/NDF: 25931.7/50


asym_usr_overload_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: 97.435+/-618.876 χ²/NDF: 17.2/15
Left Out: 1355.274+/-522.473 χ²/NDF:3.7/8
Right Out: -711.287+/-637.587 χ²/NDF: 14.9/18
Left In: 141.085+/-559.142 χ²/NDF:4.8/6
Left: 789.296+/-381.750 χ²/NDF: 10.9/15
Right: -294.885+/-444.079 χ²/NDF: 33.0/34
In: 121.467+/-414.888 χ²/NDF:22.0/22
Out: 525.062+/-404.120 χ²/NDF:24.9/27
All: 328.570+/-289.488 χ²/NDF: 47.4/50

asym_usr_overload_cor_correction_rms vs Slug, Sign Corrected



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

Left Out: 1371.287+/-0.369 χ^2/NDF:140372.9/8

Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

Left In: 1368.314+/-0.395 χ^2/NDF:220647.1/6

Left: 1369.901+/-0.270 χ^2/NDF: 361050.2/15

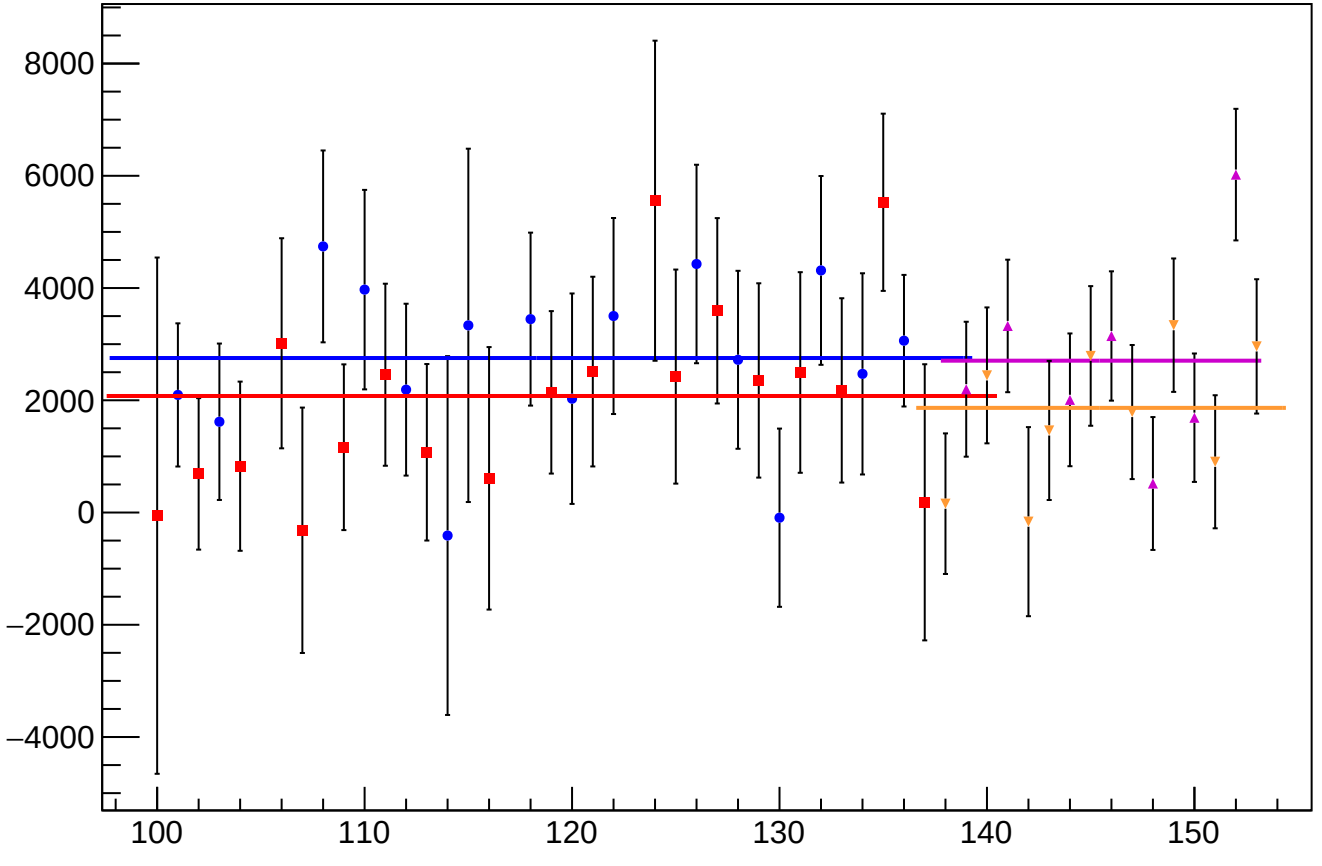
Right: 1664.555+/-0.314 χ^2/NDF: 1143278.0/34

In: 1480.300+/-0.293 χ^2/NDF:1090879.9/22

Out: 1509.171+/-0.286 χ^2/NDF:914812.1/27

All: 1495.115+/-0.205 χ^2/NDF: 2010661.9/50

eigen_cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1864.798+/-415.685 χ^2/NDF:7.2/8

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2705.599+/-443.560 χ^2/NDF:13.2/6

Left: 2257.951+/-303.310 χ^2/NDF: 22.3/15

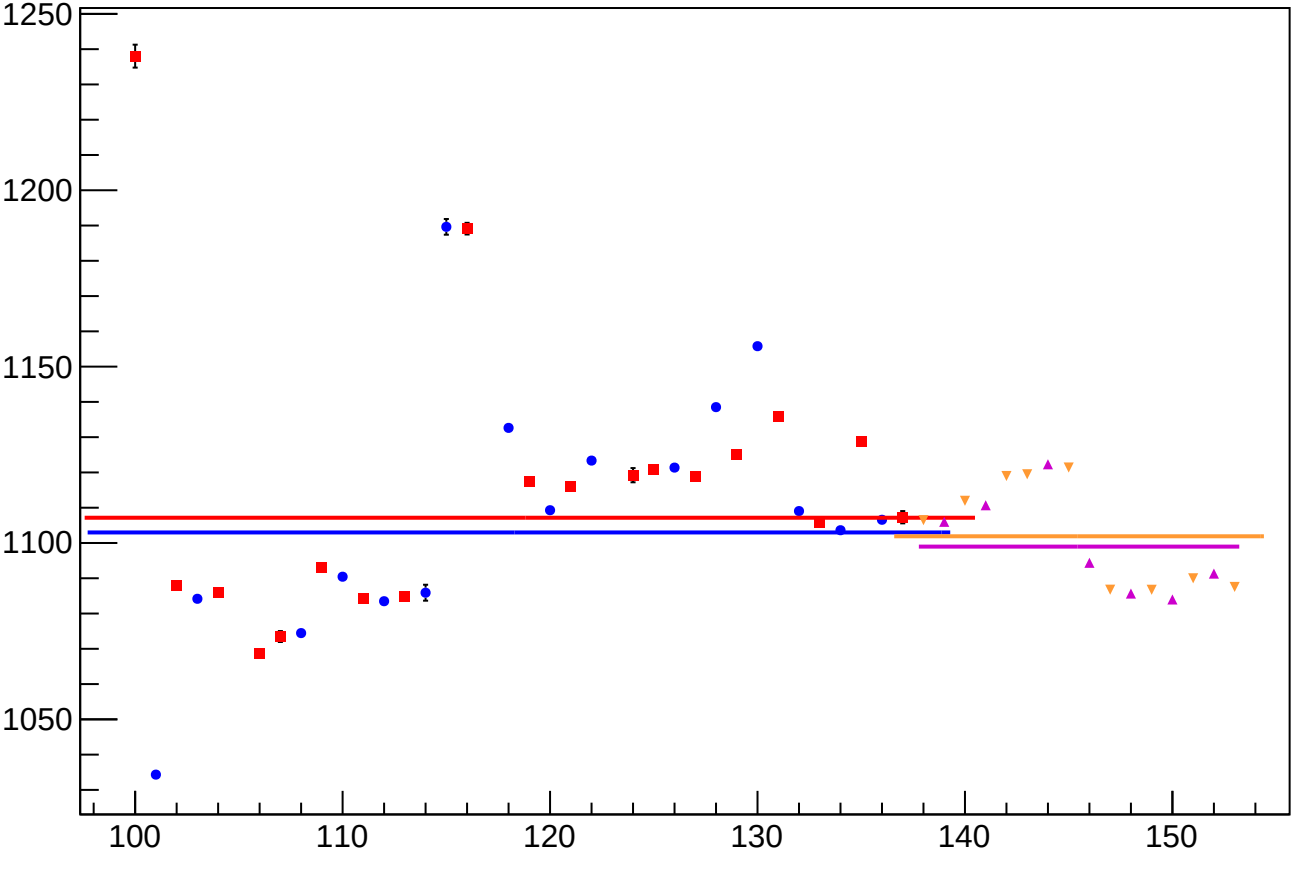
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2731.236+/-301.016 χ^2/NDF:22.7/22

Out: 1973.705+/-289.639 χ^2/NDF:19.9/27

All: 2337.885+/-208.712 χ^2/NDF: 45.8/50

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1101.900+/-0.294 χ^2/NDF:2401.0/8

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1098.974+/-0.314 χ^2/NDF:1757.4/6

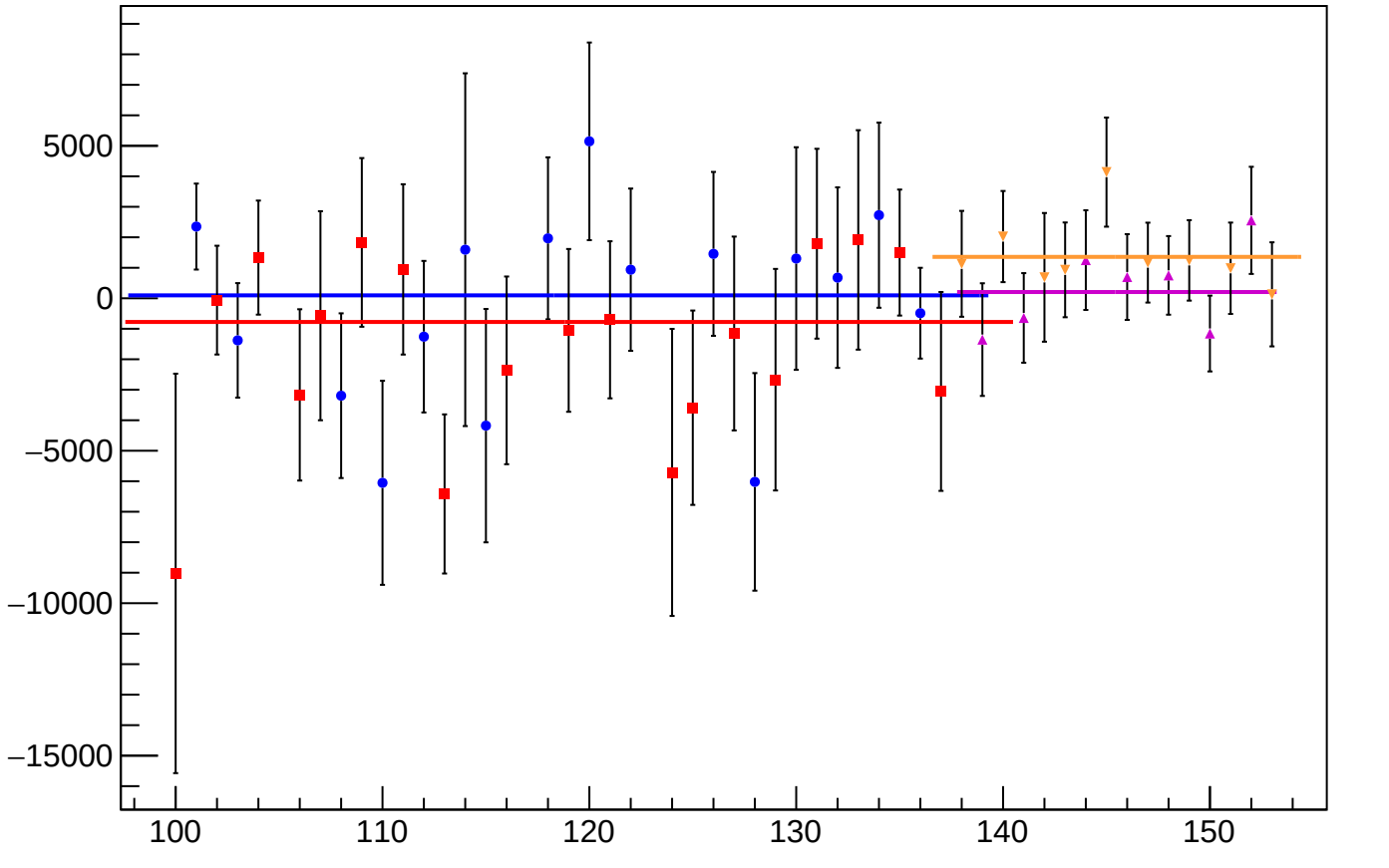
Left: 1100.532+/-0.214 χ^2/NDF: 4204.7/15

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

In: 1101.139+/-0.213 χ^2/NDF:15069.5/22

Out: 1104.606+/-0.205 χ^2/NDF:11249.1/27

All: 1102.939+/-0.148 χ^2/NDF: 26456.3/50



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 1357.514+/-521.563 χ^2/NDF:3.4/8

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 205.085+/-558.250 χ^2/NDF:4.7/6

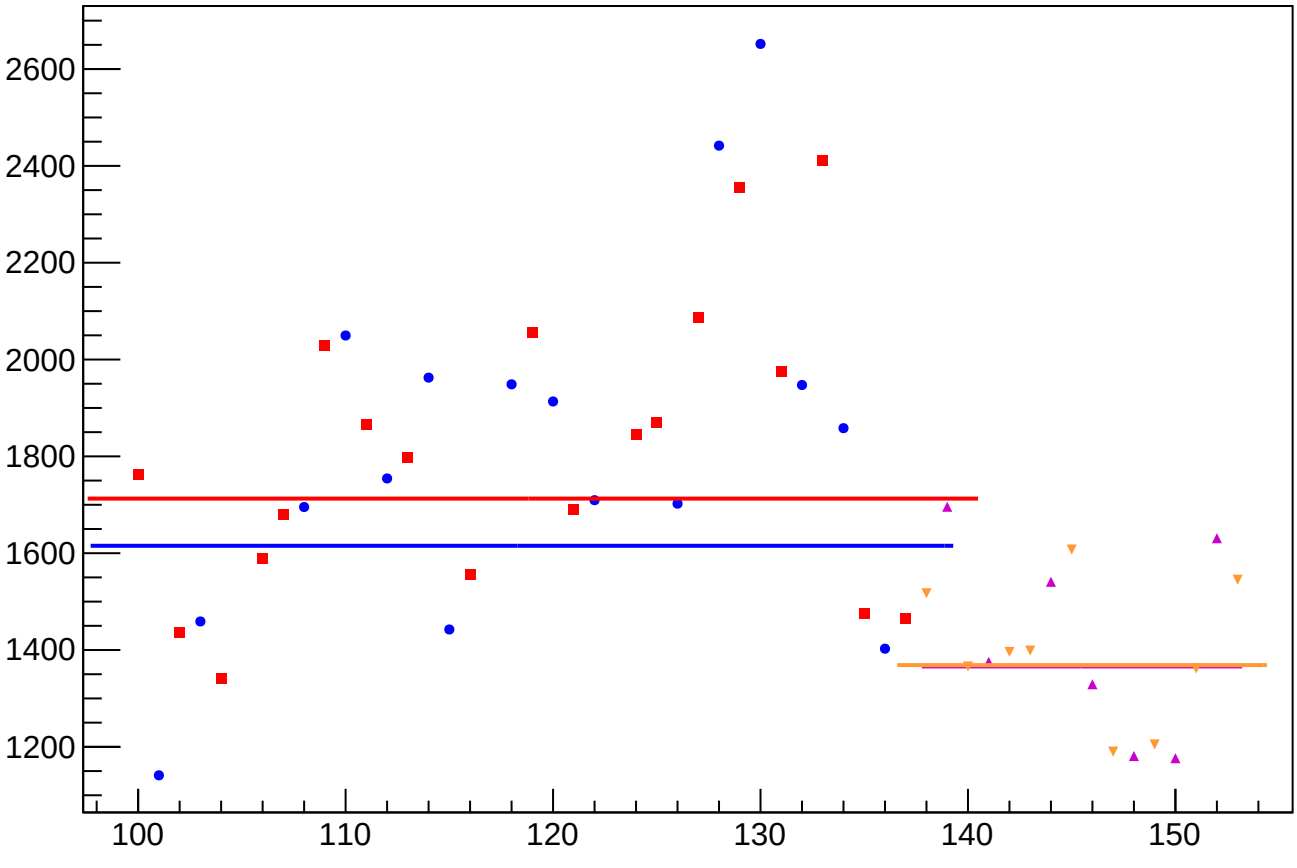
Left: 820.408+/-381.111 χ^2/NDF: 10.4/15

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

In: 156.057+/-414.289 χ^2/NDF:21.7/22

Out: 500.792+/-403.541 χ^2/NDF:25.2/27

All: 332.954+/-289.071 χ^2/NDF: 47.3/50



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1368.850+/-0.369 χ^2/NDF:140711.9/8

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1366.077+/-0.395 χ^2/NDF:221257.4/6

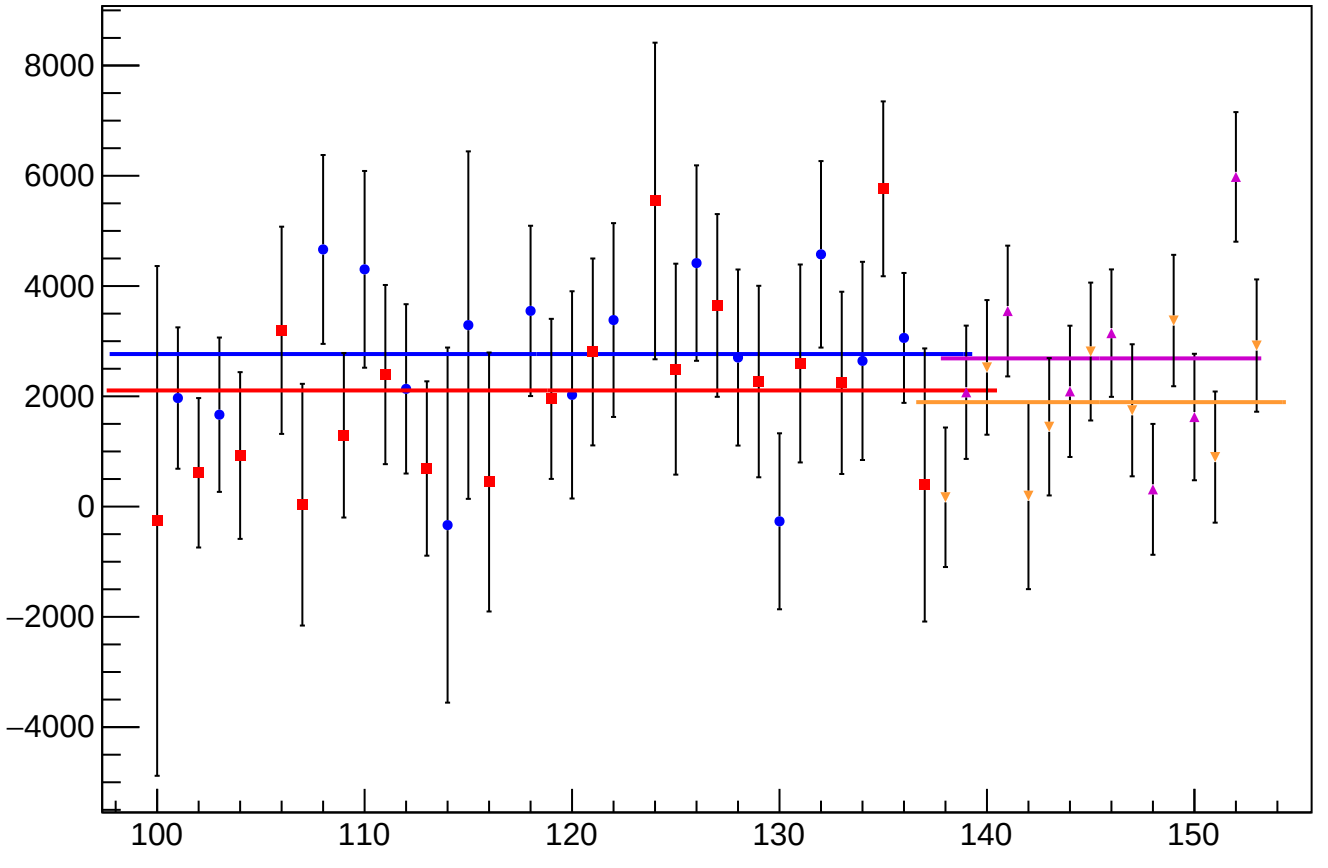
Left: 1367.558+/-0.269 χ^2/NDF: 361995.6/15

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

In: 1478.049+/-0.293 χ^2/NDF:1093988.5/22

Out: 1506.900+/-0.285 χ^2/NDF:917871.3/27

All: 1492.854+/-0.204 χ^2/NDF: 2016836.7/50



Right In: 2766.657+/-411.563 χ^2/NDF: 10.3/15

Left Out: 1894.412+/-417.728 χ^2/NDF:6.8/8

Right Out: 2106.358+/-405.586 χ^2/NDF: 13.4/18

Left In: 2687.819+/-445.282 χ^2/NDF:13.9/6

Left: 2265.810+/-304.654 χ^2/NDF: 22.4/15

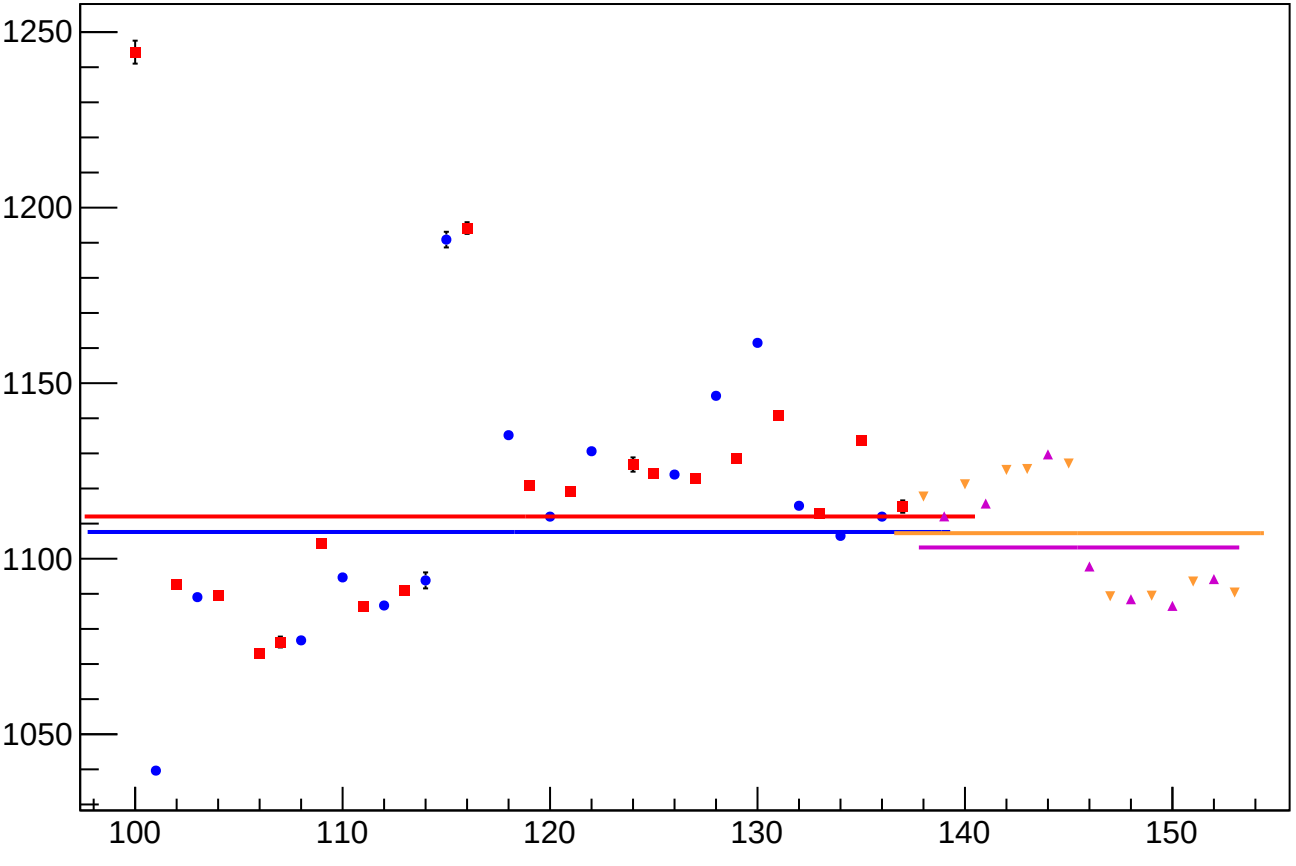
Right: 2431.678+/-288.883 χ^2/NDF: 25.0/34

In: 2730.335+/-302.237 χ^2/NDF:24.2/22

Out: 2003.510+/-290.991 χ^2/NDF:20.3/27

All: 2353.148+/-209.625 χ^2/NDF: 47.5/50

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1107.278+/-0.295 χ^2/NDF:3119.0/8

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1103.202+/-0.315 χ^2/NDF:2212.6/6

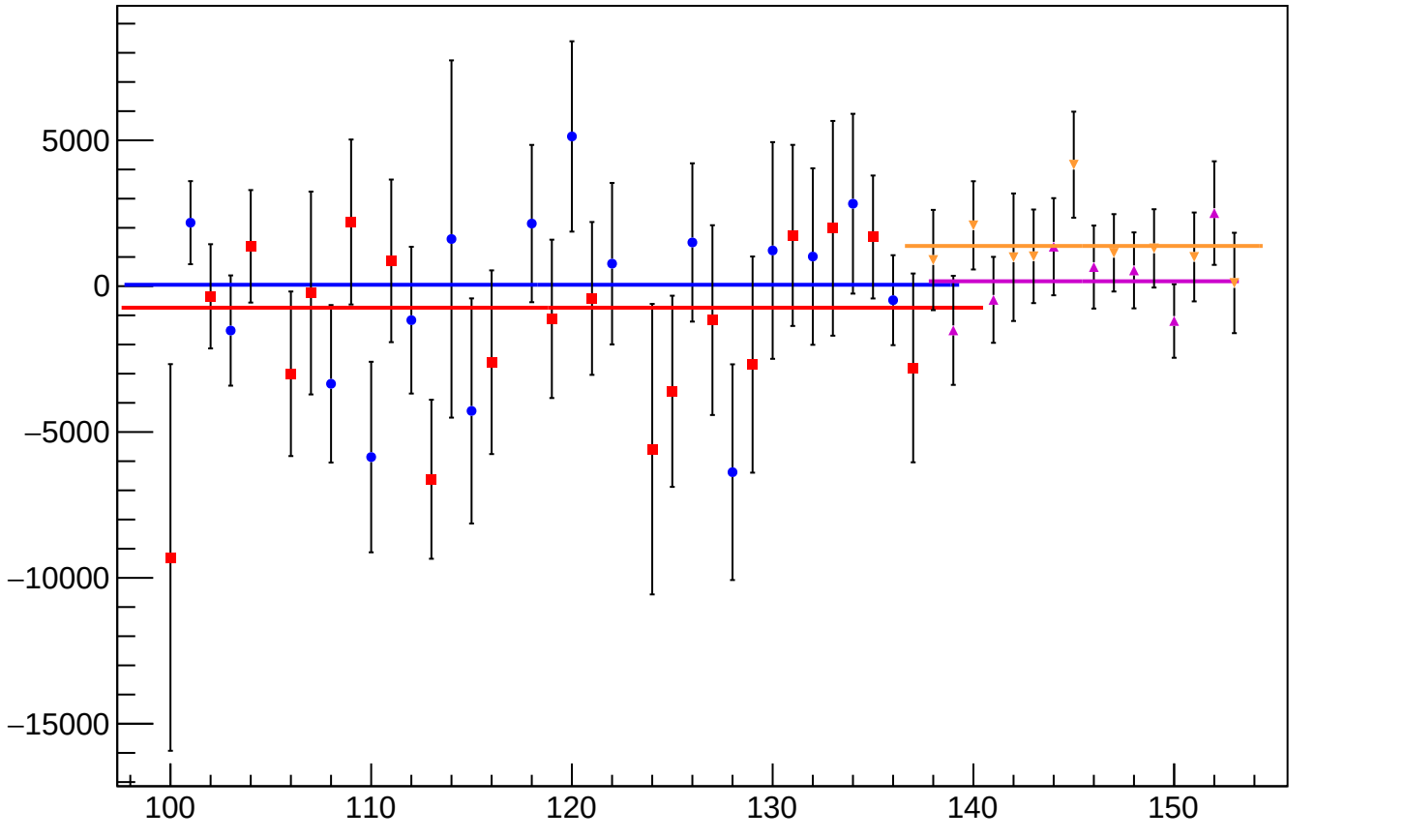
Left: 1105.370+/-0.215 χ^2/NDF: 5420.7/15

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

In: 1105.581+/-0.214 χ^2/NDF:15539.2/22

Out: 1109.723+/-0.206 χ^2/NDF:11905.7/27

All: 1107.731+/-0.148 χ^2/NDF: 27639.9/50



Right In: 47.817+/-628.060 χ^2/NDF: 16.9/15

Left Out: 1378.027+/-529.336 χ^2/NDF:3.4/8

Right Out: -738.185+/-647.795 χ^2/NDF: 14.9/18

Left In: 168.190+/-564.685 χ^2/NDF:4.6/6

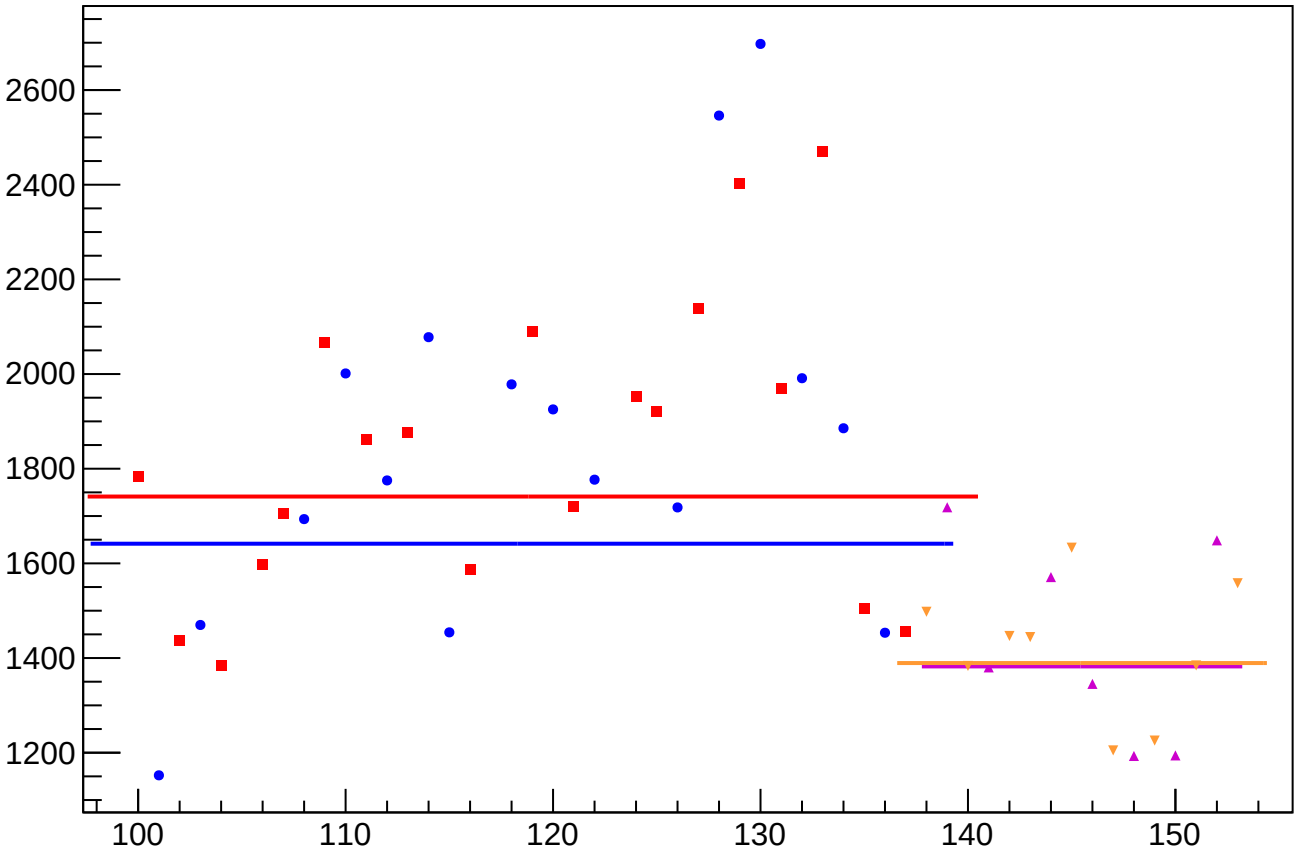
Left: 812.159+/-386.189 χ^2/NDF: 10.4/15

Right: -333.029+/-450.921 χ^2/NDF: 32.6/34

In: 114.382+/-419.916 χ^2/NDF:21.5/22

Out: 530.749+/-409.894 χ^2/NDF:24.7/27

All: 327.593+/-293.318 χ^2/NDF: 46.7/50



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1389.404+/-0.374 χ^2/NDF:135404.8/8

Right Out: 1741.200+/-0.458 χ^2/NDF: 438336.6/18

Left In: 1382.296+/-0.399 χ^2/NDF:223330.2/6

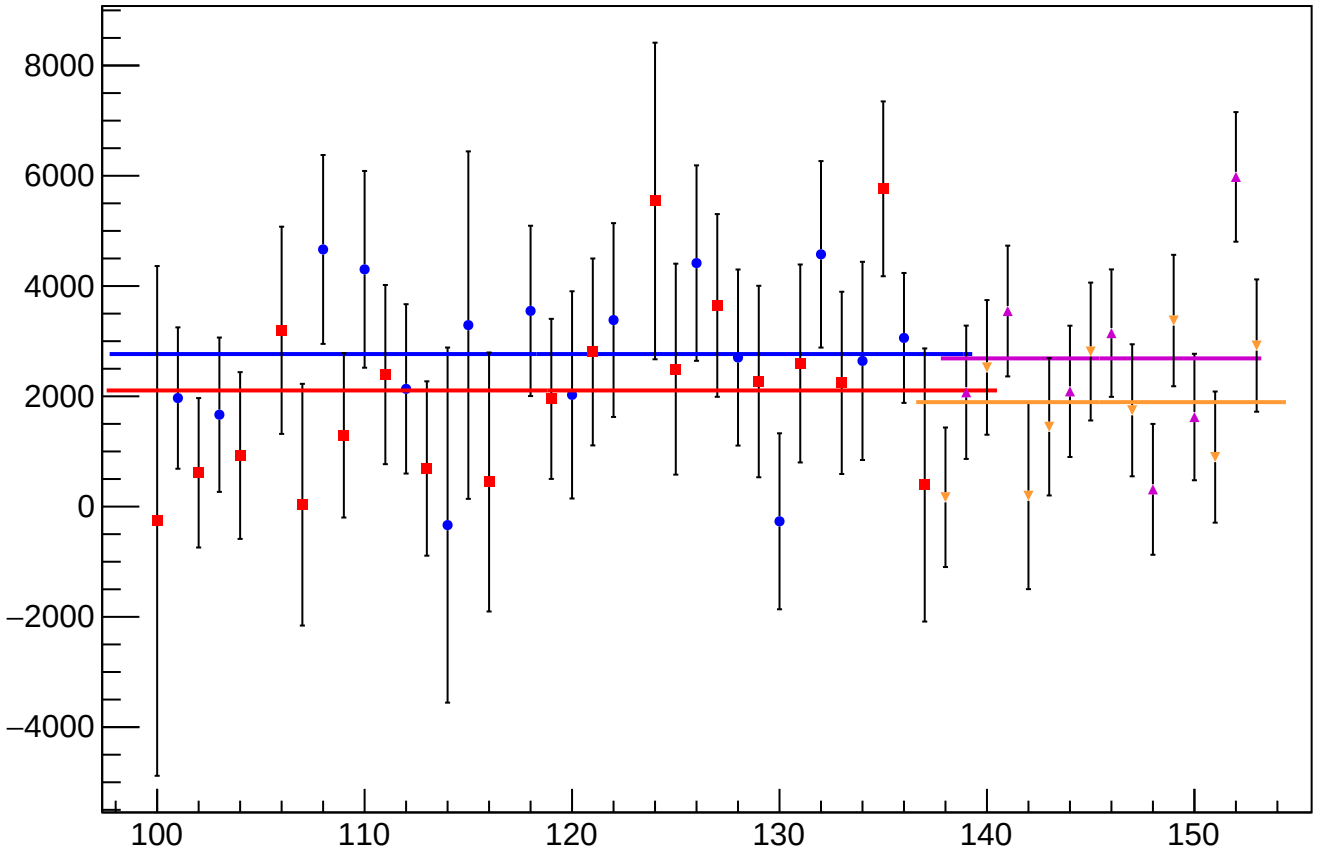
Left: 1386.079+/-0.273 χ^2/NDF: 358903.7/15

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

In: 1498.181+/-0.297 χ^2/NDF:1113071.4/22

Out: 1530.254+/-0.290 χ^2/NDF:927426.6/27

All: 1514.605+/-0.207 χ^2/NDF: 2046472.7/50



Right In: 2766.656+/-411.563 χ^2/NDF: 10.3/15

Left Out: 1894.413+/-417.728 χ^2/NDF:6.8/8

Right Out: 2106.360+/-405.586 χ^2/NDF: 13.4/18

Left In: 2687.820+/-445.282 χ^2/NDF:13.9/6

Left: 2265.811+/-304.654 χ^2/NDF: 22.4/15

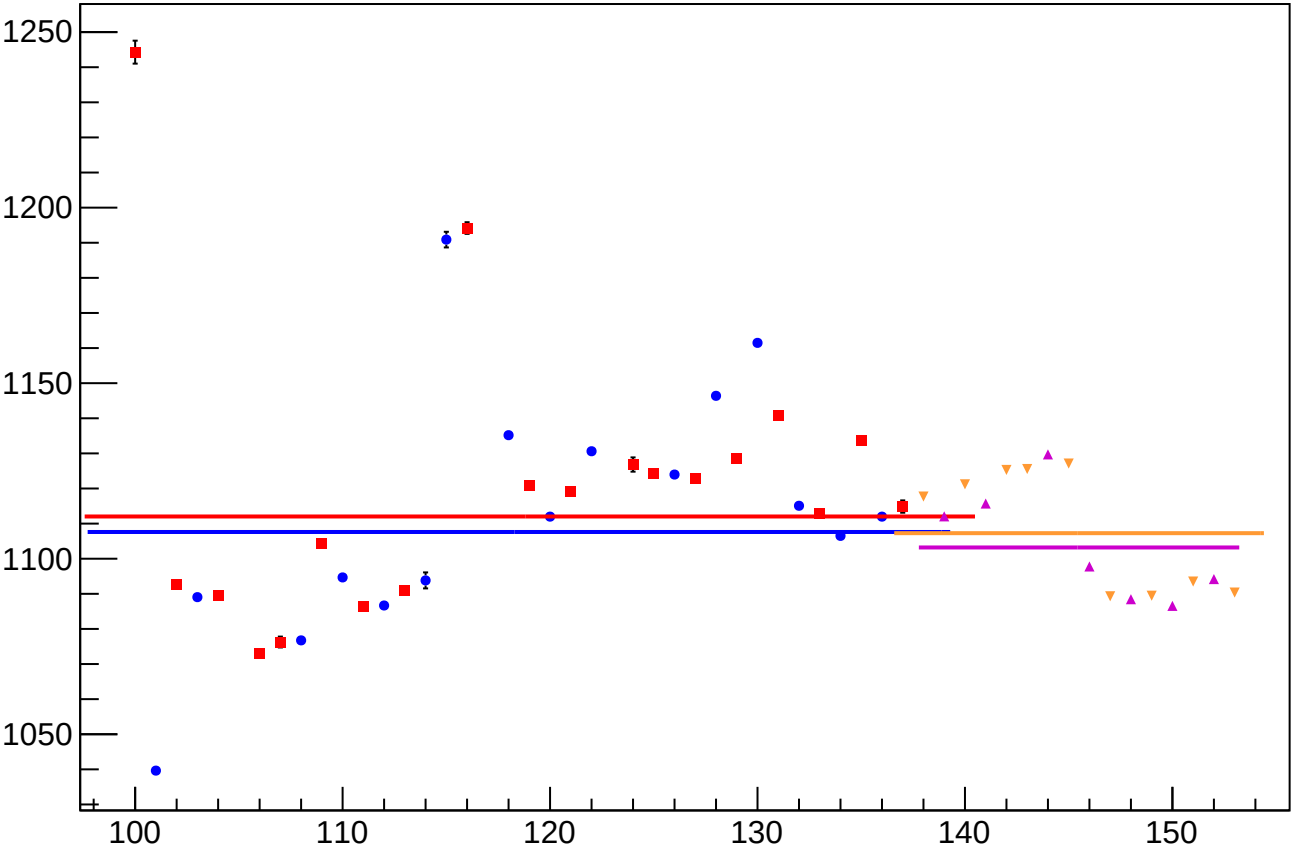
Right: 2431.678+/-288.882 χ^2/NDF: 25.0/34

In: 2730.335+/-302.237 χ^2/NDF:24.2/22

Out: 2003.512+/-290.991 χ^2/NDF:20.3/27

All: 2353.149+/-209.625 χ^2/NDF: 47.5/50

eigen_dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1107.278+/-0.295 χ^2/NDF:3119.0/8

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1103.202+/-0.315 χ^2/NDF:2212.6/6

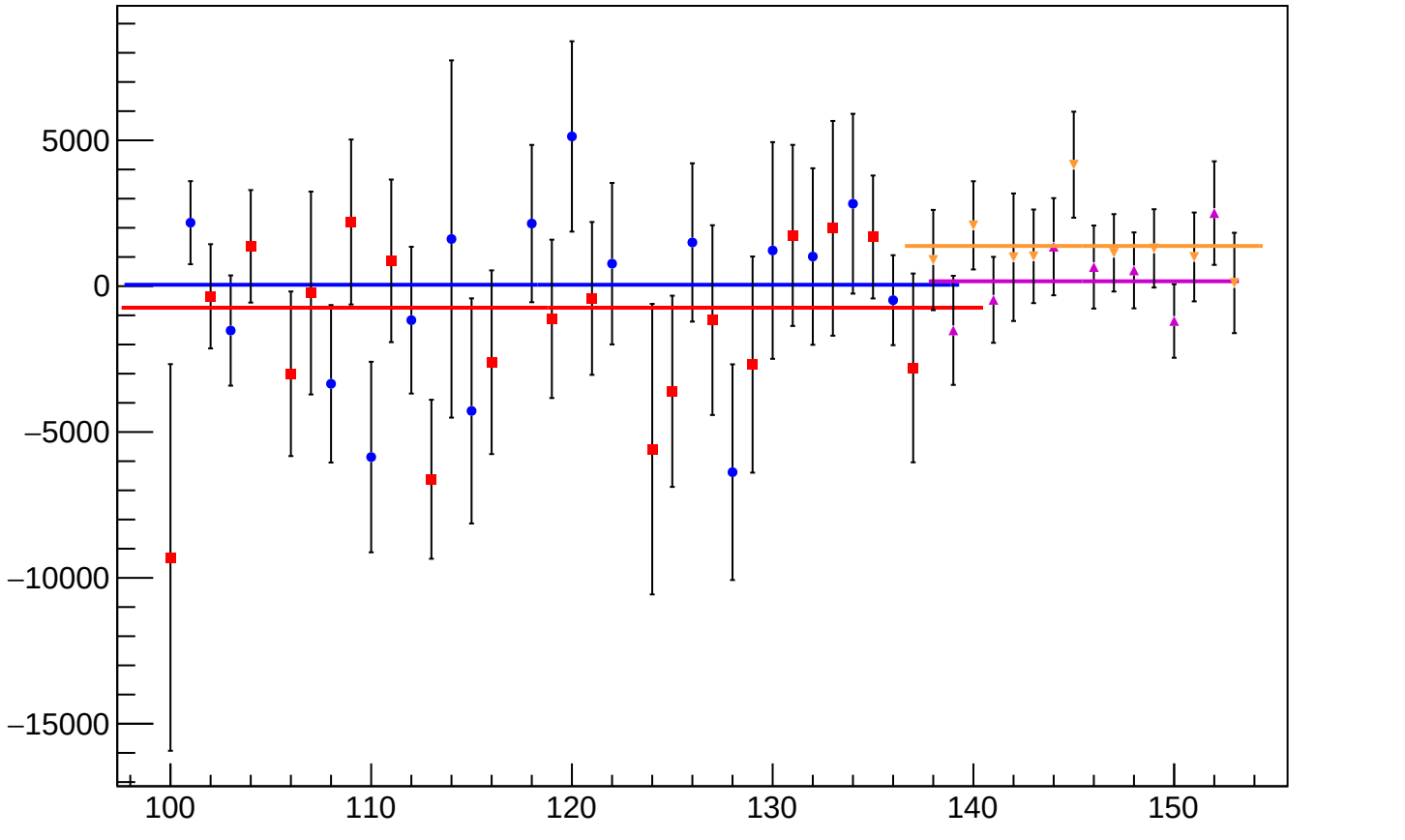
Left: 1105.370+/-0.215 χ^2/NDF: 5420.7/15

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

In: 1105.581+/-0.214 χ^2/NDF:15539.1/22

Out: 1109.723+/-0.206 χ^2/NDF:11905.7/27

All: 1107.731+/-0.148 χ^2/NDF: 27639.8/50



Right In: 47.813+/-628.059 χ^2/NDF: 16.9/15

Left Out: 1378.027+/-529.337 χ^2/NDF:3.4/8

Right Out: -738.188+/-647.795 χ^2/NDF: 14.9/18

Left In: 168.191+/-564.686 χ^2/NDF:4.6/6

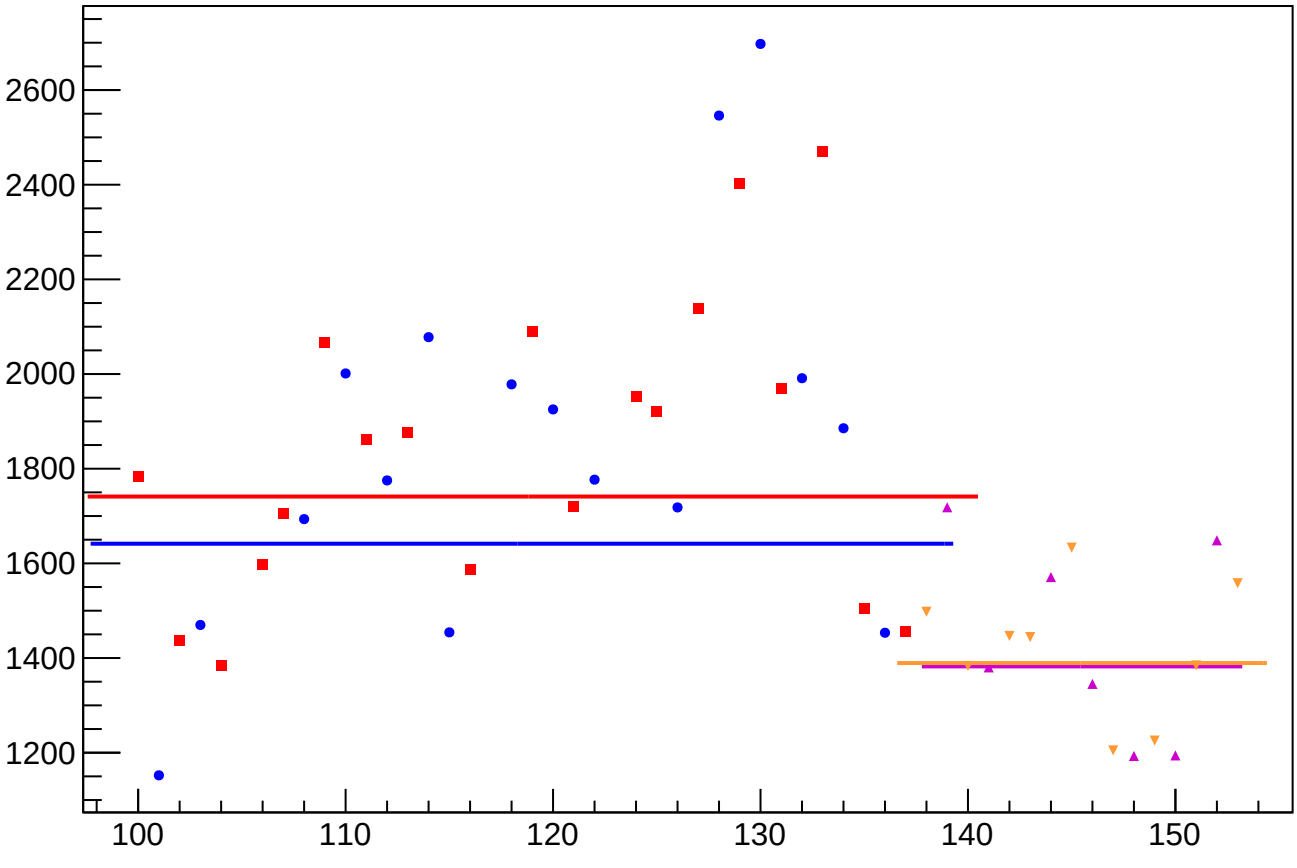
Left: 812.159+/-386.190 χ^2/NDF: 10.4/15

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

In: 114.380+/-419.916 χ^2/NDF:21.5/22

Out: 530.744+/-409.894 χ^2/NDF:24.7/27

All: 327.590+/-293.318 χ^2/NDF: 46.7/50



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1389.406+/-0.374 χ^2/NDF:135407.3/8

Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1382.299+/-0.399 χ^2/NDF:223333.7/6

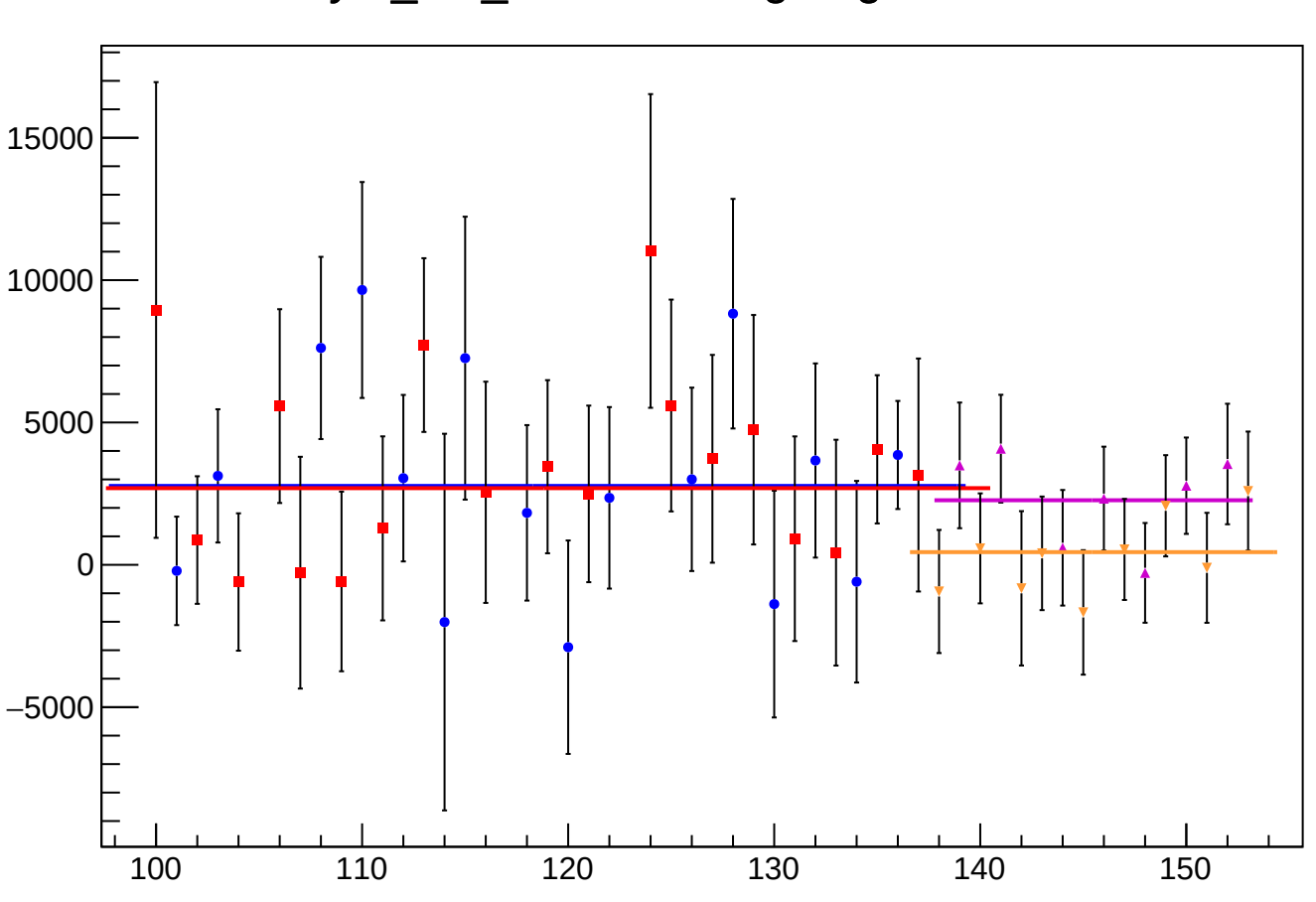
Left: 1386.082+/-0.273 χ^2/NDF: 358909.7/15

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

In: 1498.182+/-0.297 χ^2/NDF:1113055.7/22

Out: 1530.256+/-0.290 χ^2/NDF:927408.3/27

All: 1514.606+/-0.207 χ^2/NDF: 2046438.9/50



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: 446.259+/-672.859 χ^2/NDF:3.5/8

Right Out: 2692.625+/-765.754 χ^2/NDF: 12.5/18

Left In: 2268.217+/-720.712 χ^2/NDF:4.5/6

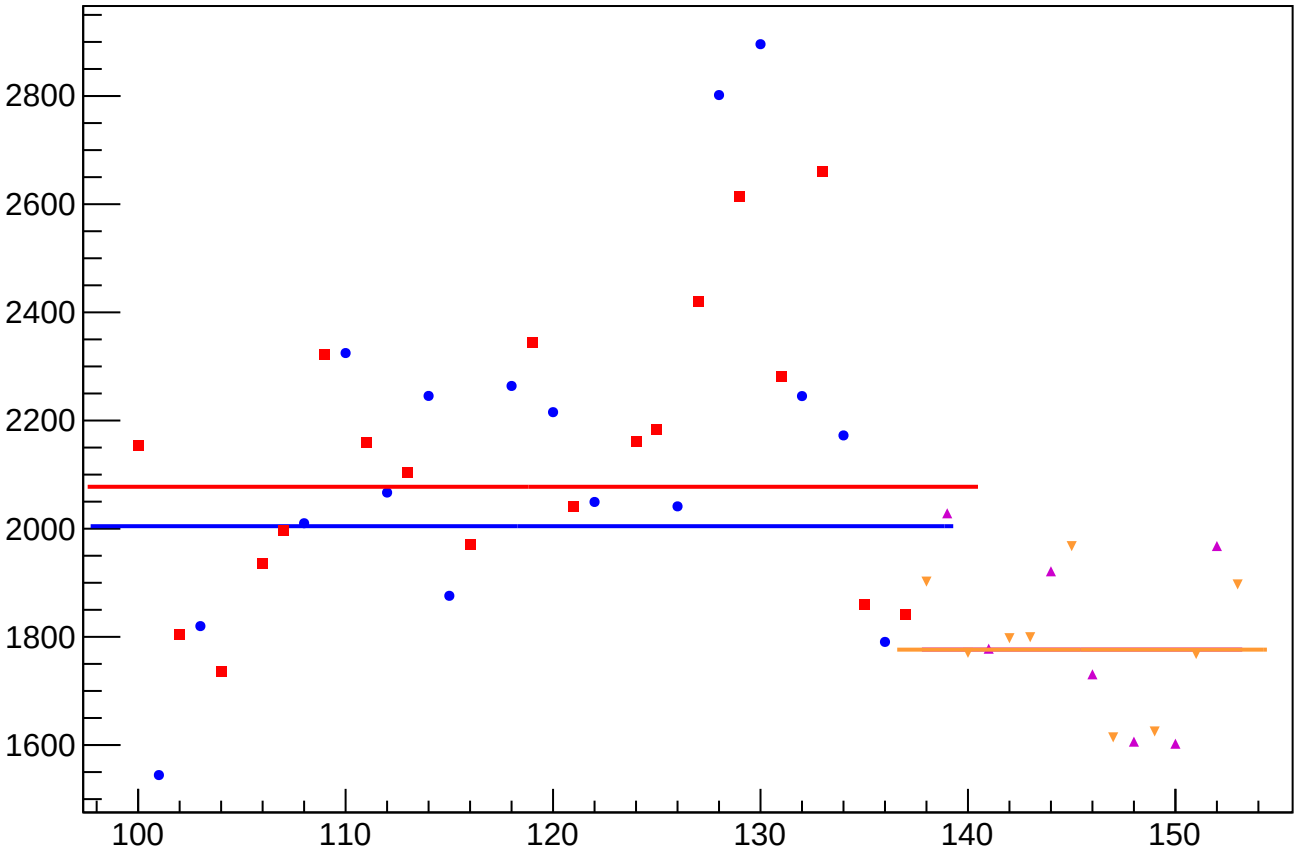
Left: 1294.748+/-491.831 χ^2/NDF: 11.4/15

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

In: 2506.735+/-522.014 χ^2/NDF:21.1/22

Out: 1424.991+/-505.453 χ^2/NDF:20.9/27

All: 1948.432+/-363.123 χ^2/NDF: 44.3/50



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1776.379+/-0.476 χ^2/NDF:60349.5/8

Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

Left In: 1776.534+/-0.510 χ^2/NDF:93901.0/6

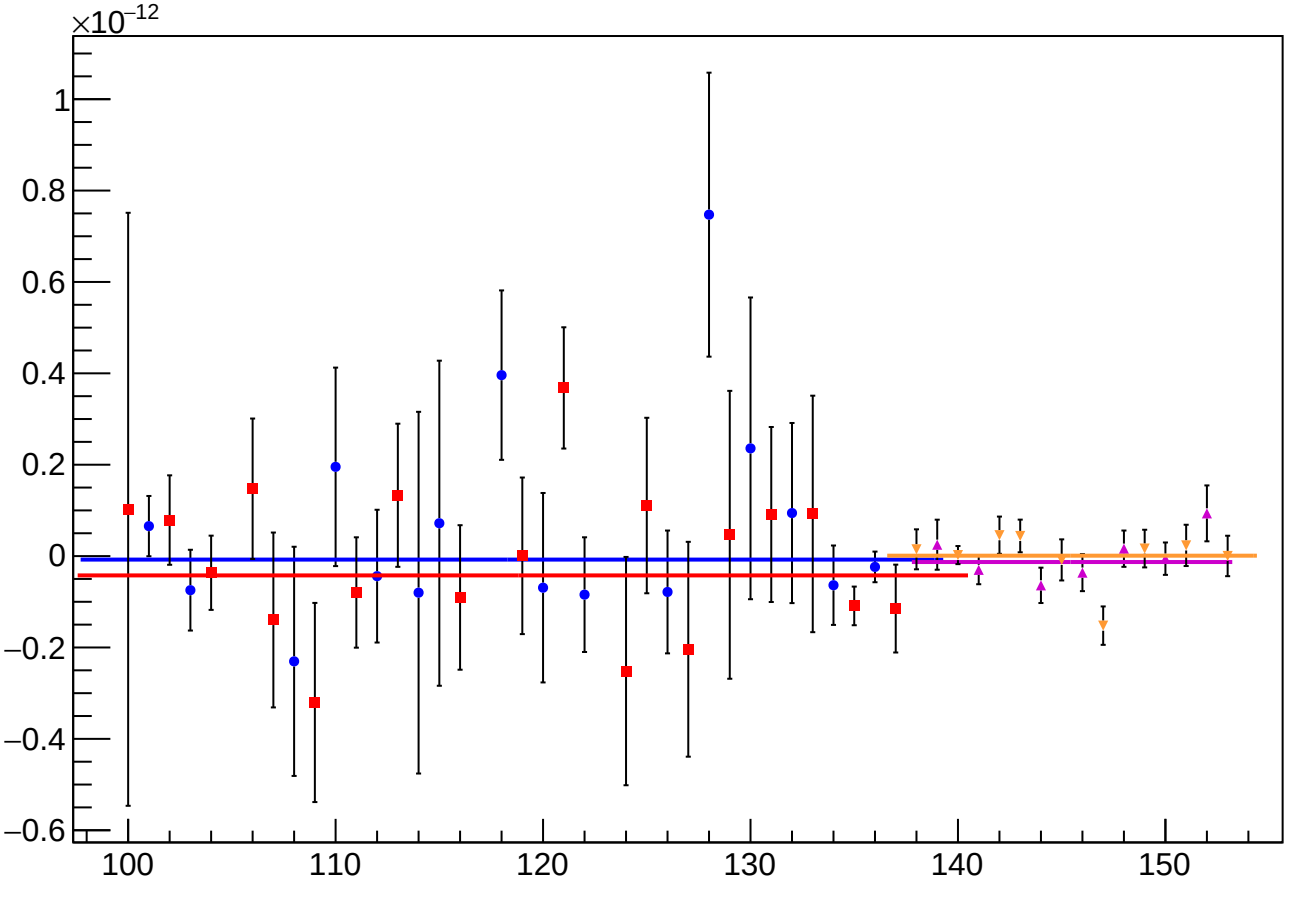
Left: 1776.451+/-0.348 χ^2/NDF: 154250.6/15

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

In: 1884.970+/-0.369 χ^2/NDF:576706.1/22

Out: 1907.577+/-0.357 χ^2/NDF:465352.0/27

All: 1896.638+/-0.257 χ^2/NDF: 1043994.0/50



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.5/8

Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/18

Left In: -0.000+/-0.000 χ^2/NDF:6.5/6

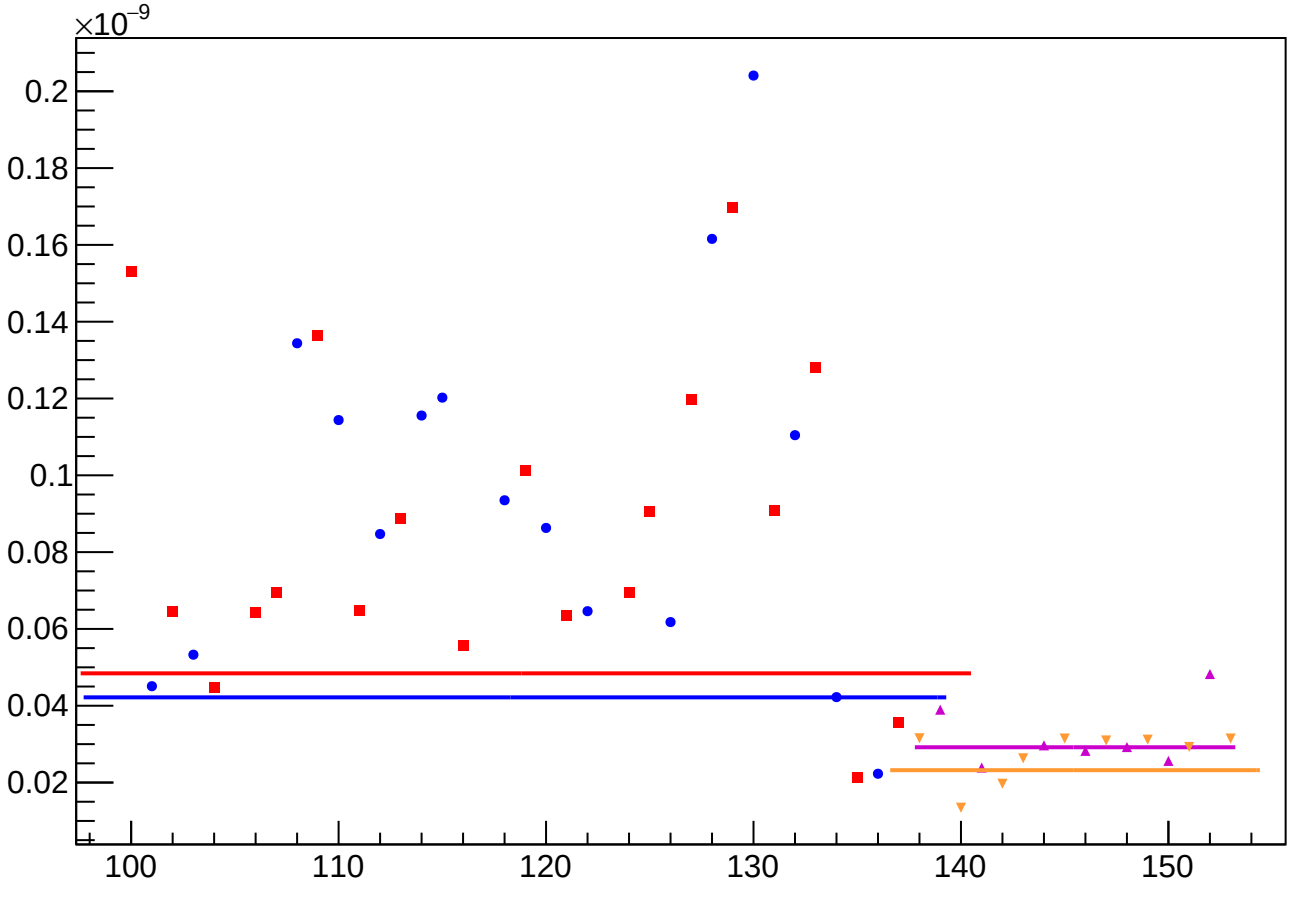
Left: -0.000+/-0.000 χ^2/NDF: 23.4/15

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

In: -0.000+/-0.000 χ^2/NDF:22.9/22

Out: -0.000+/-0.000 χ^2/NDF:40.4/27

All: -0.000+/-0.000 χ^2/NDF: 63.4/50



Right In: 0.000+/-0.000 χ^2/NDF: 2933545.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:904249.2/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

Left In: 0.000+/-0.000 χ^2/NDF:336017.5/6

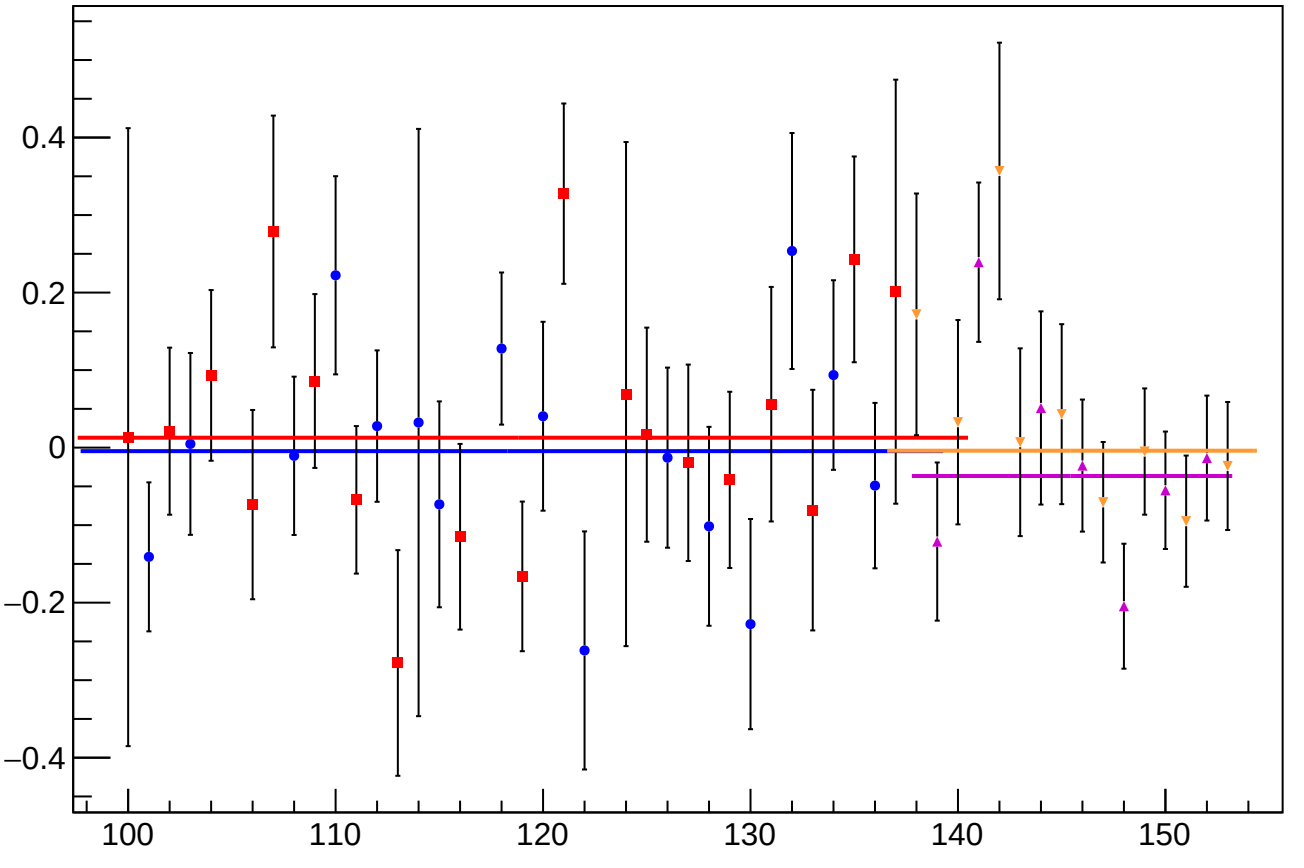
Left: 0.000+/-0.000 χ^2/NDF: 1431894.3/15

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

In: 0.000+/-0.000 χ^2/NDF:3680522.0/22

Out: 0.000+/-0.000 χ^2/NDF:4969916.3/27

All: 0.000+/-0.000 χ^2/NDF: 8867995.1/50



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.004+/-0.034 χ^2/NDF:8.2/8

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.037+/-0.034 χ^2/NDF:12.9/6

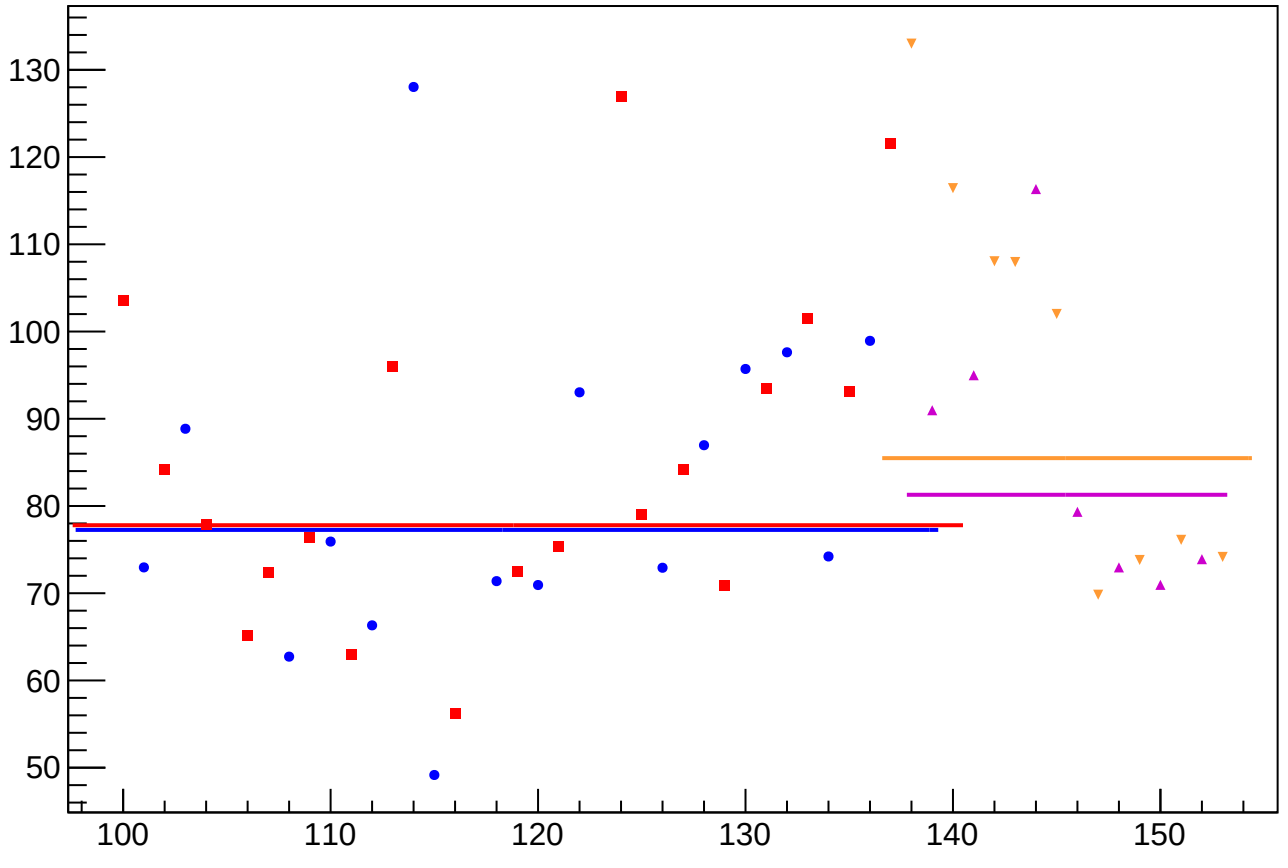
Left: -0.020+/-0.024 χ^2/NDF: 21.6/15

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.019+/-0.022 χ^2/NDF:30.7/22

Out: 0.005+/-0.022 χ^2/NDF:33.8/27

All: -0.007+/-0.016 χ^2/NDF: 65.1/50



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 85.486+/-0.024 χ^2/NDF:627084.1/8

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 81.286+/-0.024 χ^2/NDF:288123.3/6

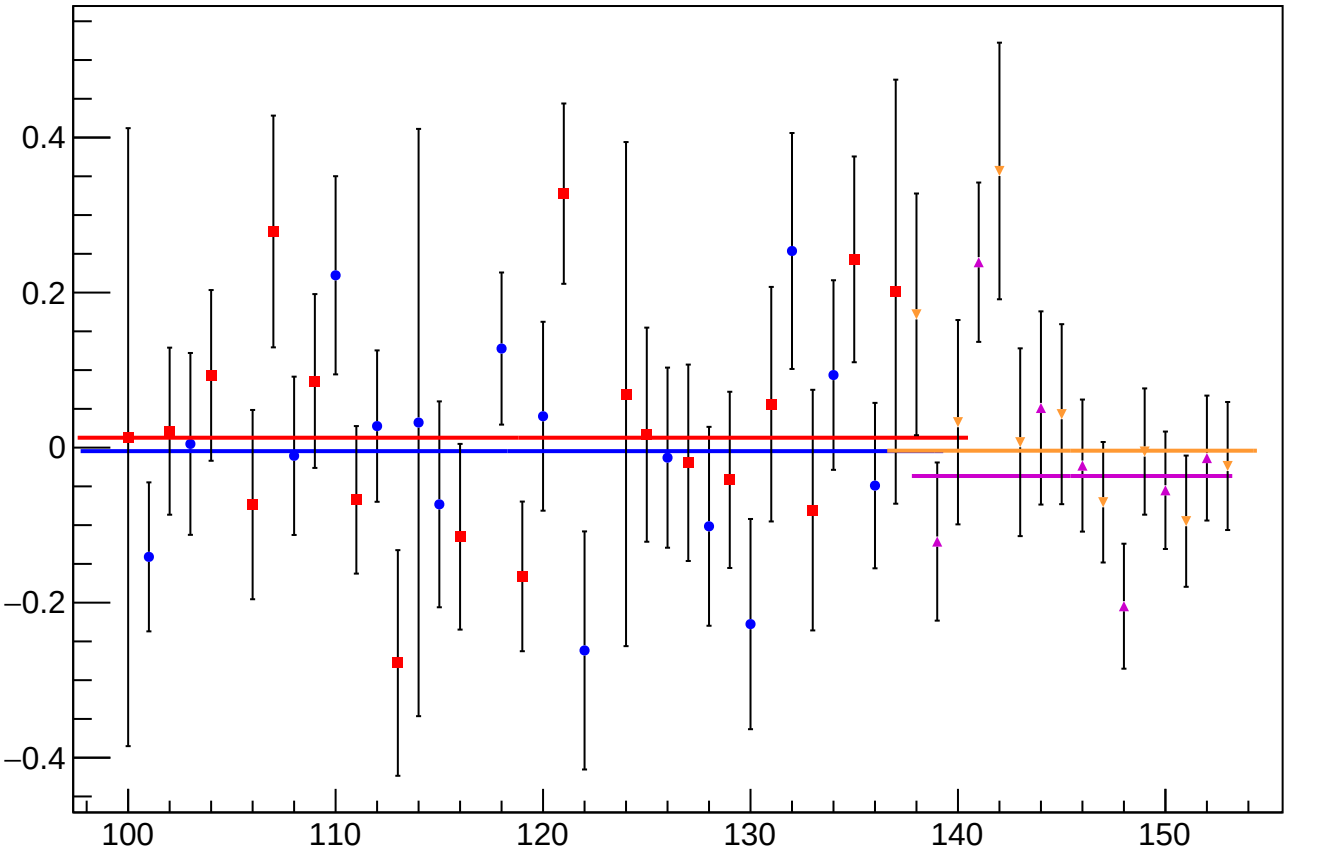
Left: 83.392+/-0.017 χ^2/NDF: 930694.7/15

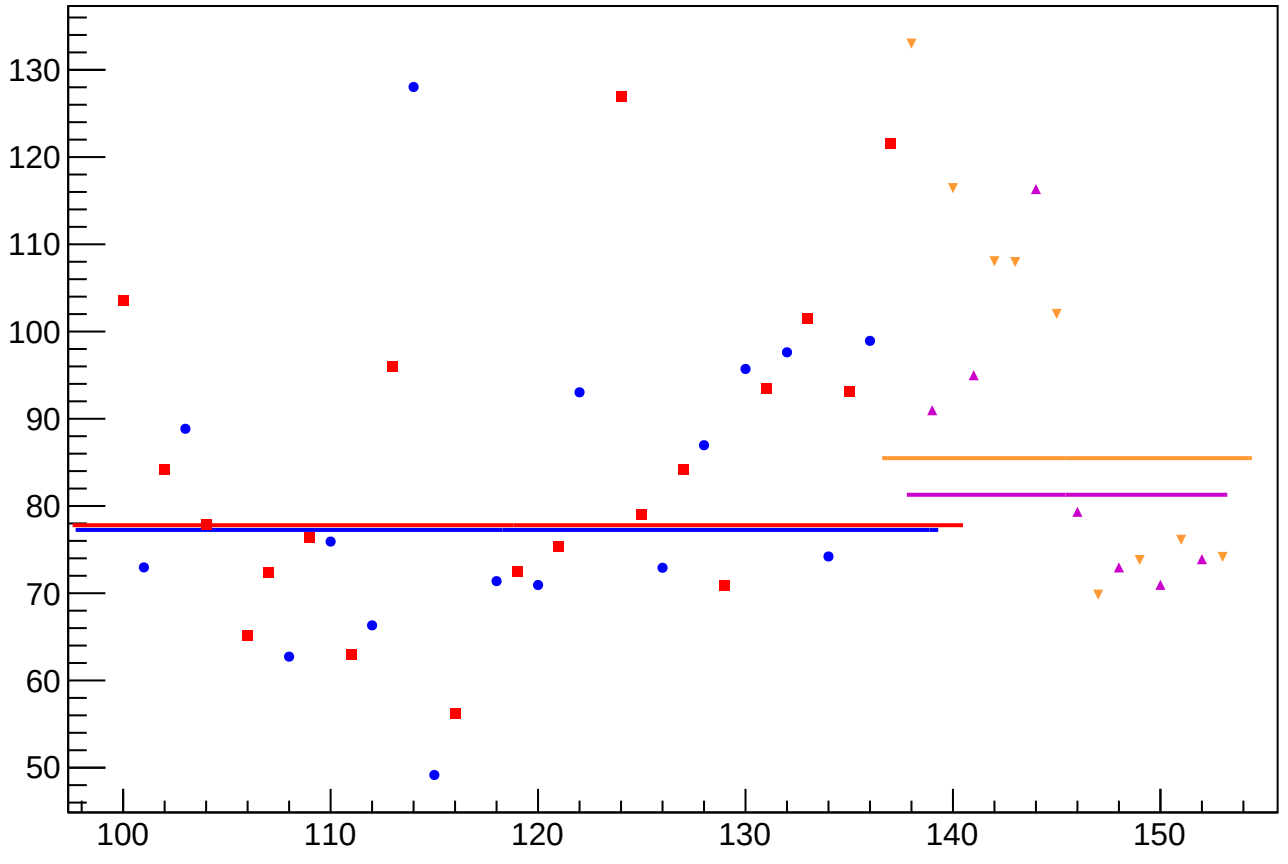
Right: 77.530+/-0.015 χ^2/NDF: 816090.7/34

In: 79.036+/-0.016 χ^2/NDF:723267.4/22

Out: 81.160+/-0.016 χ^2/NDF:1082121.6/27

All: 80.106+/-0.011 χ^2/NDF: 1814397.0/50


asym_usr_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
Right In: -0.005+/-0.030 χ²/NDF: 17.3/15
Left Out: -0.004+/-0.034 χ²/NDF:8.2/8
Right Out: 0.013+/-0.030 χ²/NDF: 25.5/18
Left In: -0.037+/-0.034 χ²/NDF:12.9/6
Left: -0.020+/-0.024 χ²/NDF: 21.6/15
Right: 0.004+/-0.021 χ²/NDF: 42.9/34
In: -0.019+/-0.022 χ²/NDF:30.7/22
Out: 0.005+/-0.022 χ²/NDF:33.8/27
All: -0.007+/-0.016 χ²/NDF: 65.1/50



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 85.486+/-0.024 χ^2/NDF:627084.1/8

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 81.286+/-0.024 χ^2/NDF:288123.3/6

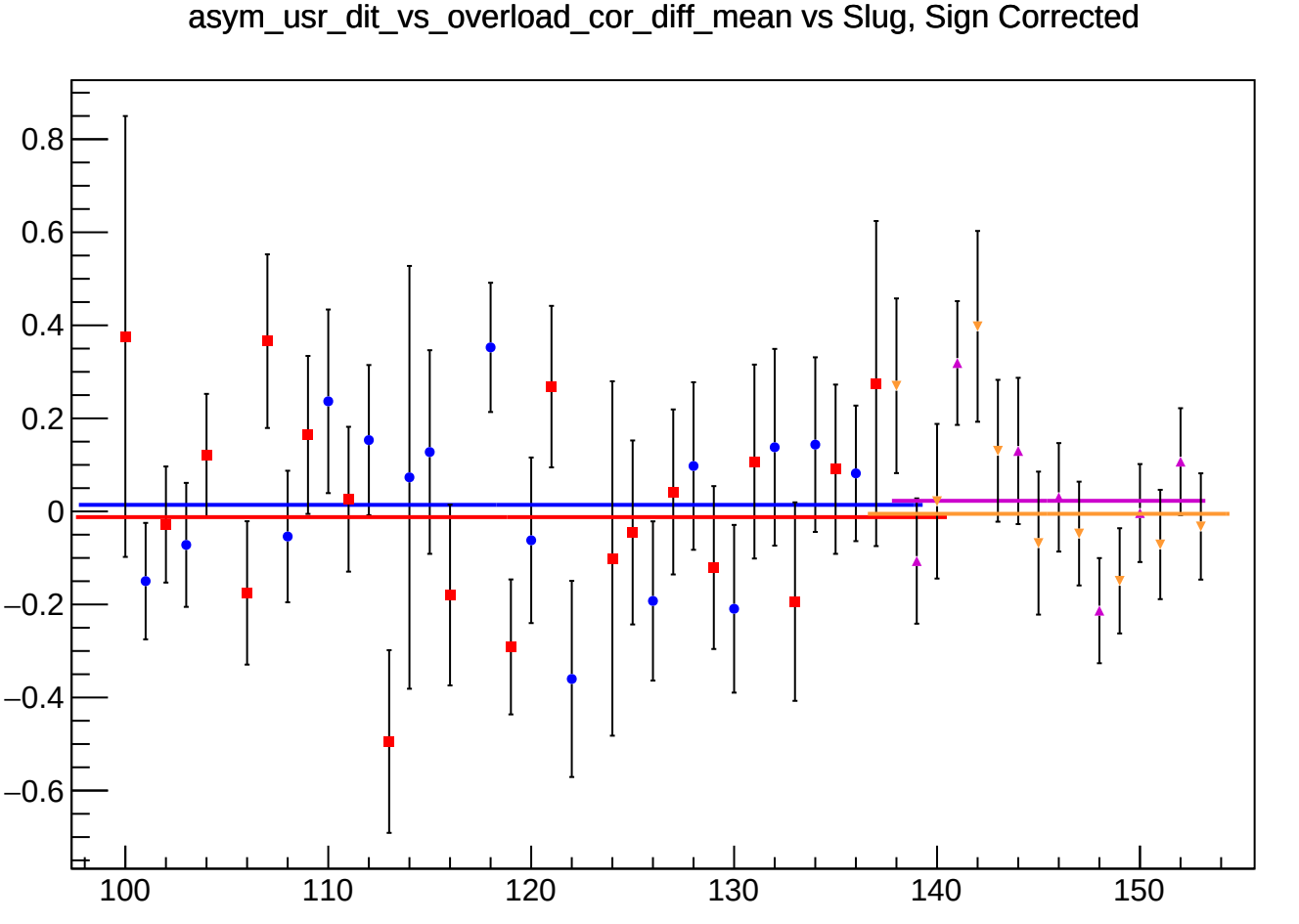
Left: 83.392+/-0.017 χ^2/NDF: 930694.7/15

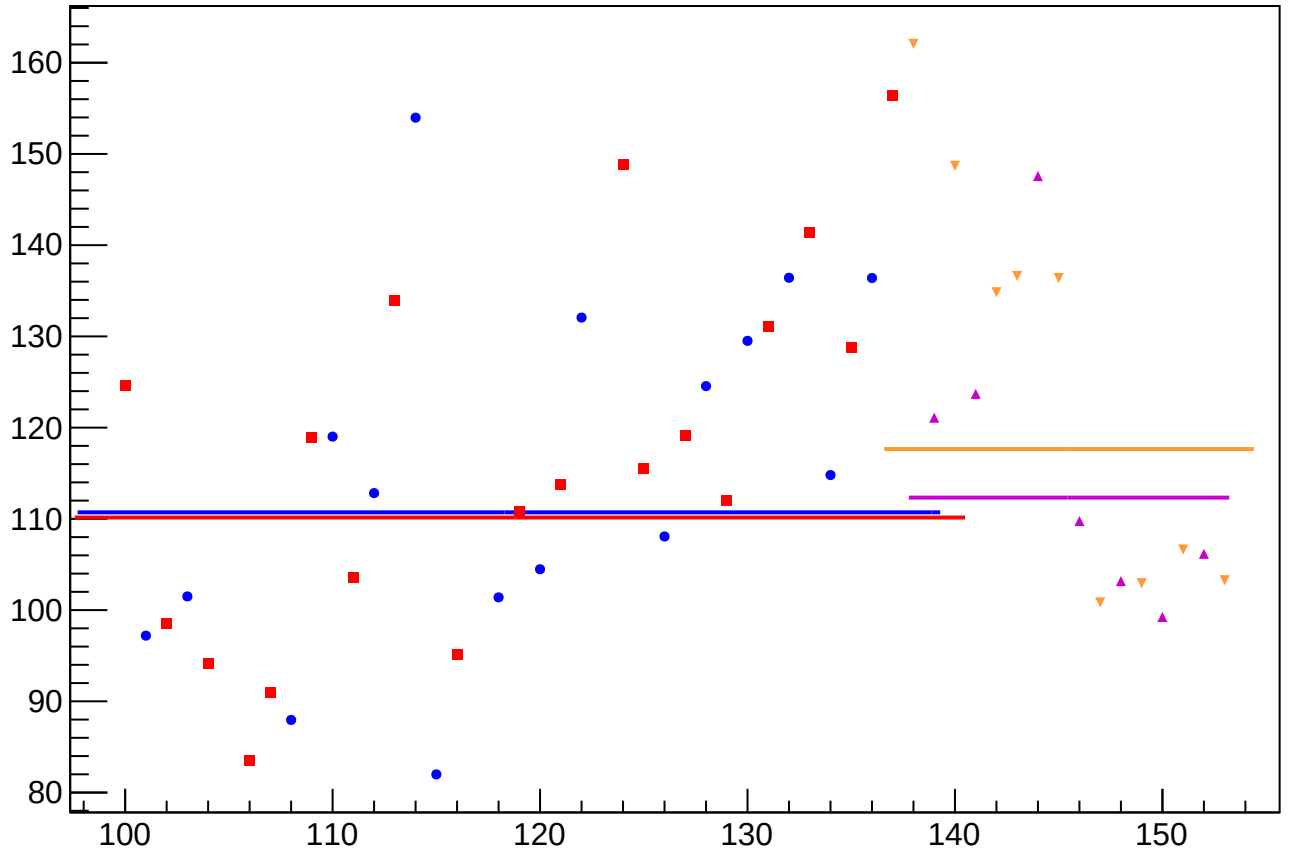
Right: 77.530+/-0.015 χ^2/NDF: 816090.7/34

In: 79.036+/-0.016 χ^2/NDF:723267.4/22

Out: 81.160+/-0.016 χ^2/NDF:1082121.6/27

All: 80.106+/-0.011 χ^2/NDF: 1814397.0/50


asym_usr_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
Right In: 0.014+/-0.042 χ²/NDF: 18.2/15
Left Out: -0.005+/-0.046 χ²/NDF:9.1/8
Right Out: -0.012+/-0.041 χ²/NDF: 23.8/18
Left In: 0.023+/-0.046 χ²/NDF:11.3/6
Left: 0.009+/-0.032 χ²/NDF: 20.6/15
Right: 0.001+/-0.030 χ²/NDF: 42.1/34
In: 0.018+/-0.031 χ²/NDF:29.5/22
Out: -0.009+/-0.031 χ²/NDF:32.9/27
All: 0.004+/-0.022 χ²/NDF: 62.8/50



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 117.655+/-0.032 χ^2/NDF:384994.7/8

Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 112.330+/-0.033 χ^2/NDF:174282.7/6

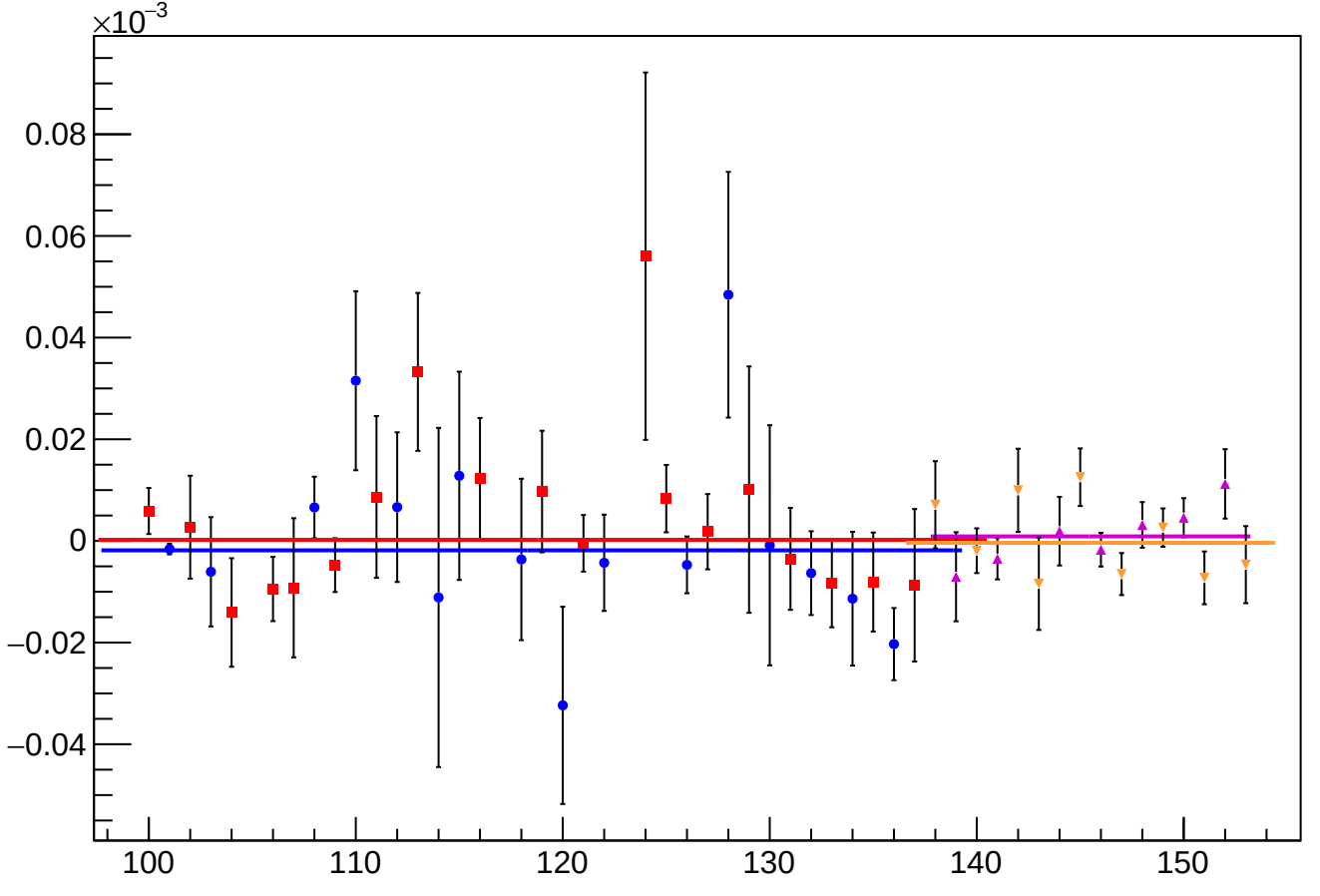
Left: 115.024+/-0.023 χ^2/NDF: 572762.9/15

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

In: 111.452+/-0.022 χ^2/NDF:475588.6/22

Out: 113.532+/-0.022 χ^2/NDF:741529.4/27

All: 112.510+/-0.015 χ^2/NDF: 1221652.9/50



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.4/8

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:6.1/6

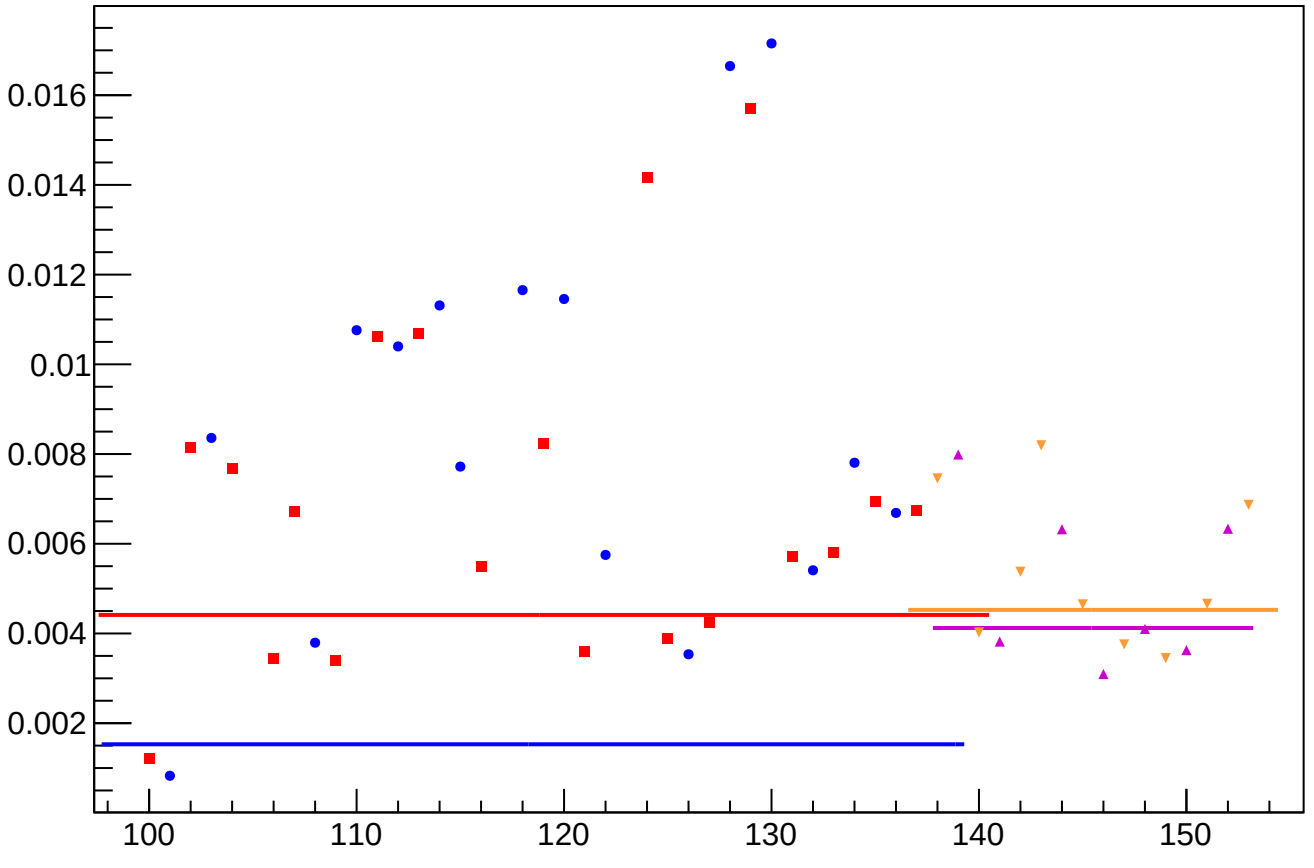
Left: 0.000+/-0.000 χ^2/NDF: 19.7/15

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

In: -0.000+/-0.000 χ^2/NDF:29.4/22

Out: -0.000+/-0.000 χ^2/NDF:33.3/27

All: -0.000+/-0.000 χ^2/NDF: 63.2/50



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

Left Out: 0.005+/-0.000 χ^2/NDF:1031525.4/8

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

Left In: 0.004+/-0.000 χ^2/NDF:1049037.3/6

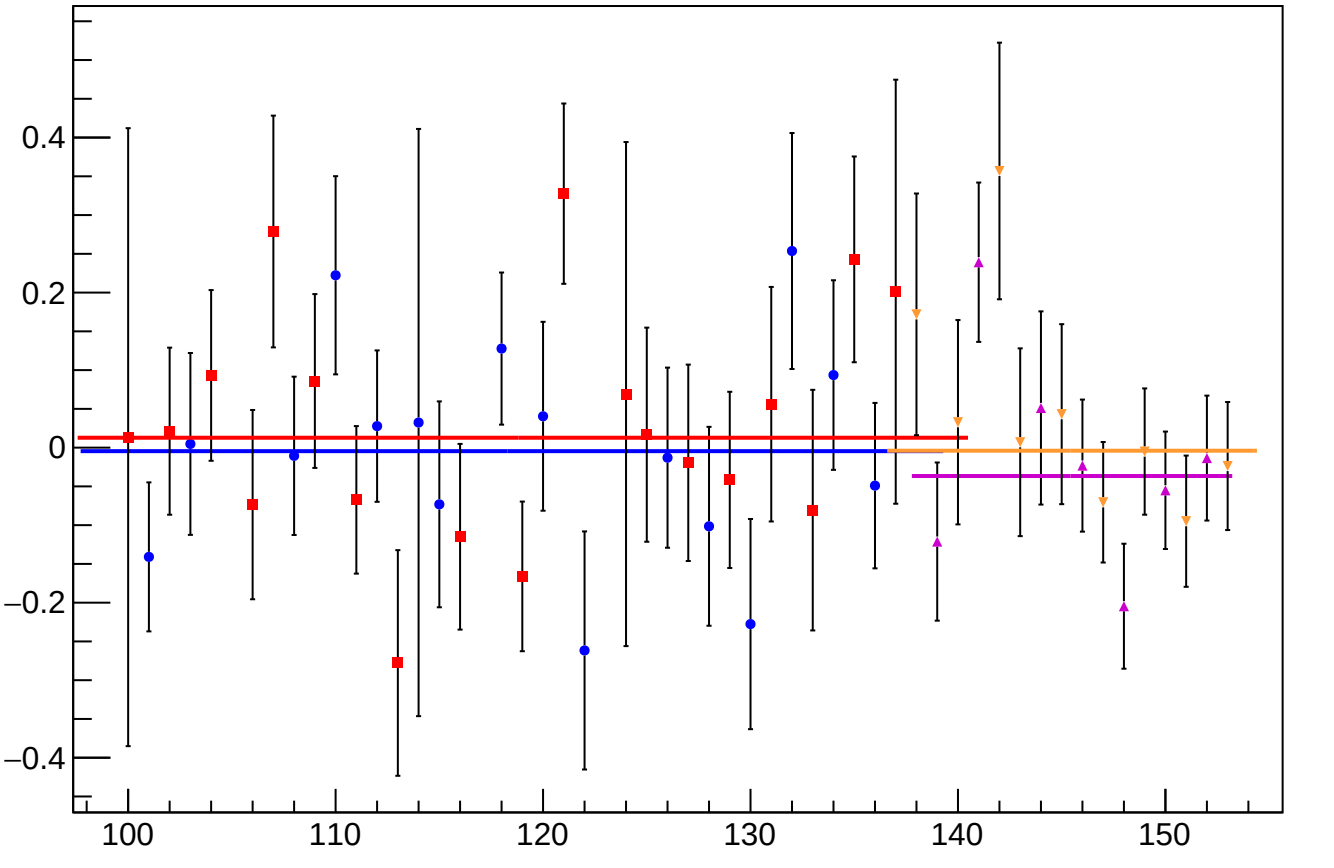
Left: 0.004+/-0.000 χ^2/NDF: 2132259.9/15

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

In: 0.002+/-0.000 χ^2/NDF:13617209.6/22

Out: 0.004+/-0.000 χ^2/NDF:4423244.5/27

All: 0.003+/-0.000 χ^2/NDF: 22468963.1/50



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.004+/-0.034 χ^2/NDF:8.2/8

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.037+/-0.034 χ^2/NDF:12.9/6

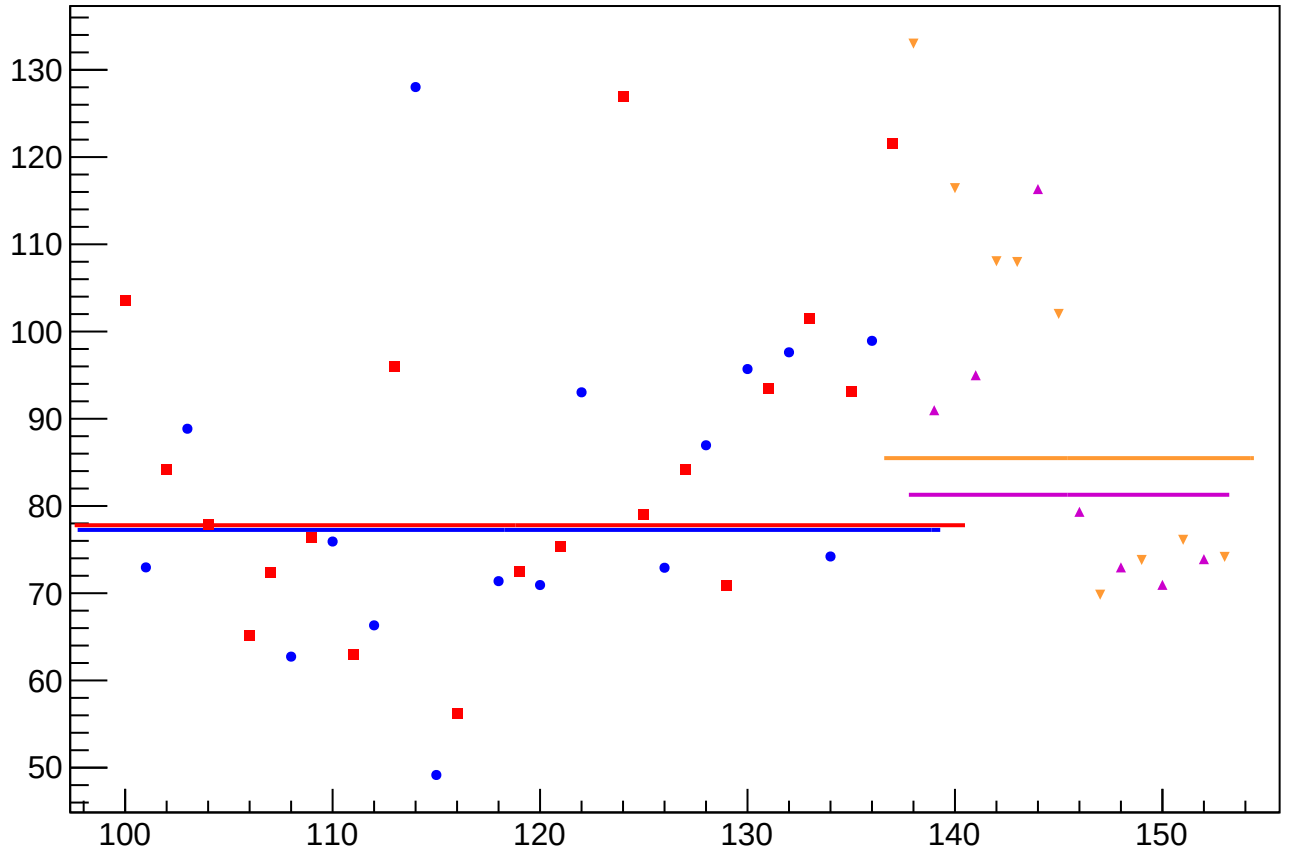
Left: -0.020+/-0.024 χ^2/NDF: 21.6/15

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.019+/-0.022 χ^2/NDF:30.7/22

Out: 0.005+/-0.022 χ^2/NDF:33.8/27

All: -0.007+/-0.016 χ^2/NDF: 65.1/50



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 85.487+/-0.024 χ^2/NDF:627090.4/8

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 81.286+/-0.024 χ^2/NDF:288128.2/6

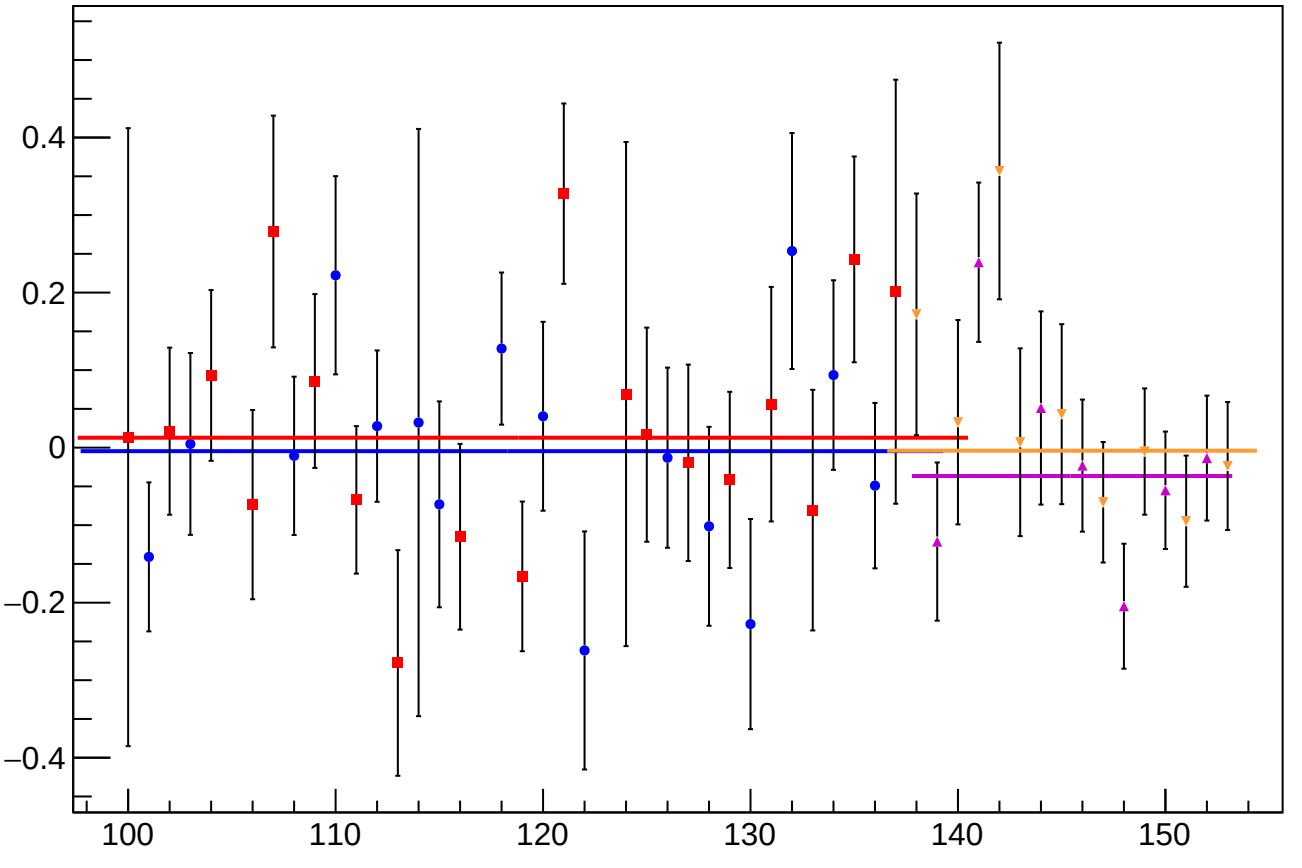
Left: 83.392+/-0.017 χ^2/NDF: 930705.9/15

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

In: 79.035+/-0.016 χ^2/NDF:723272.9/22

Out: 81.159+/-0.016 χ^2/NDF:1082152.7/27

All: 80.105+/-0.011 χ^2/NDF: 1814433.5/50



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.004+/-0.034 χ^2/NDF:8.2/8

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.037+/-0.034 χ^2/NDF:12.9/6

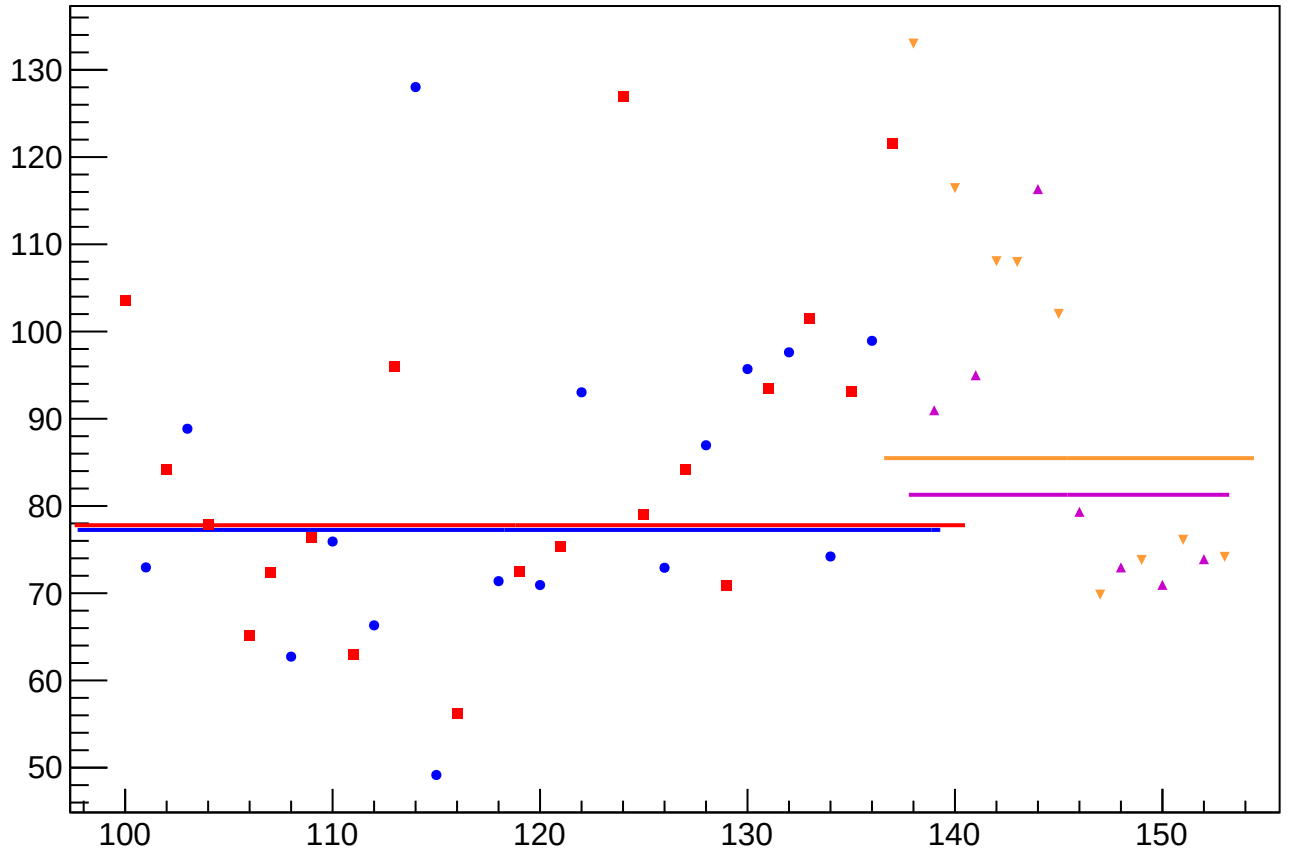
Left: -0.020+/-0.024 χ^2/NDF: 21.6/15

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.019+/-0.022 χ^2/NDF:30.7/22

Out: 0.005+/-0.022 χ^2/NDF:33.8/27

All: -0.007+/-0.016 χ^2/NDF: 65.1/50



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 85.487+/-0.024 χ^2/NDF:627090.4/8

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 81.286+/-0.024 χ^2/NDF:288128.2/6

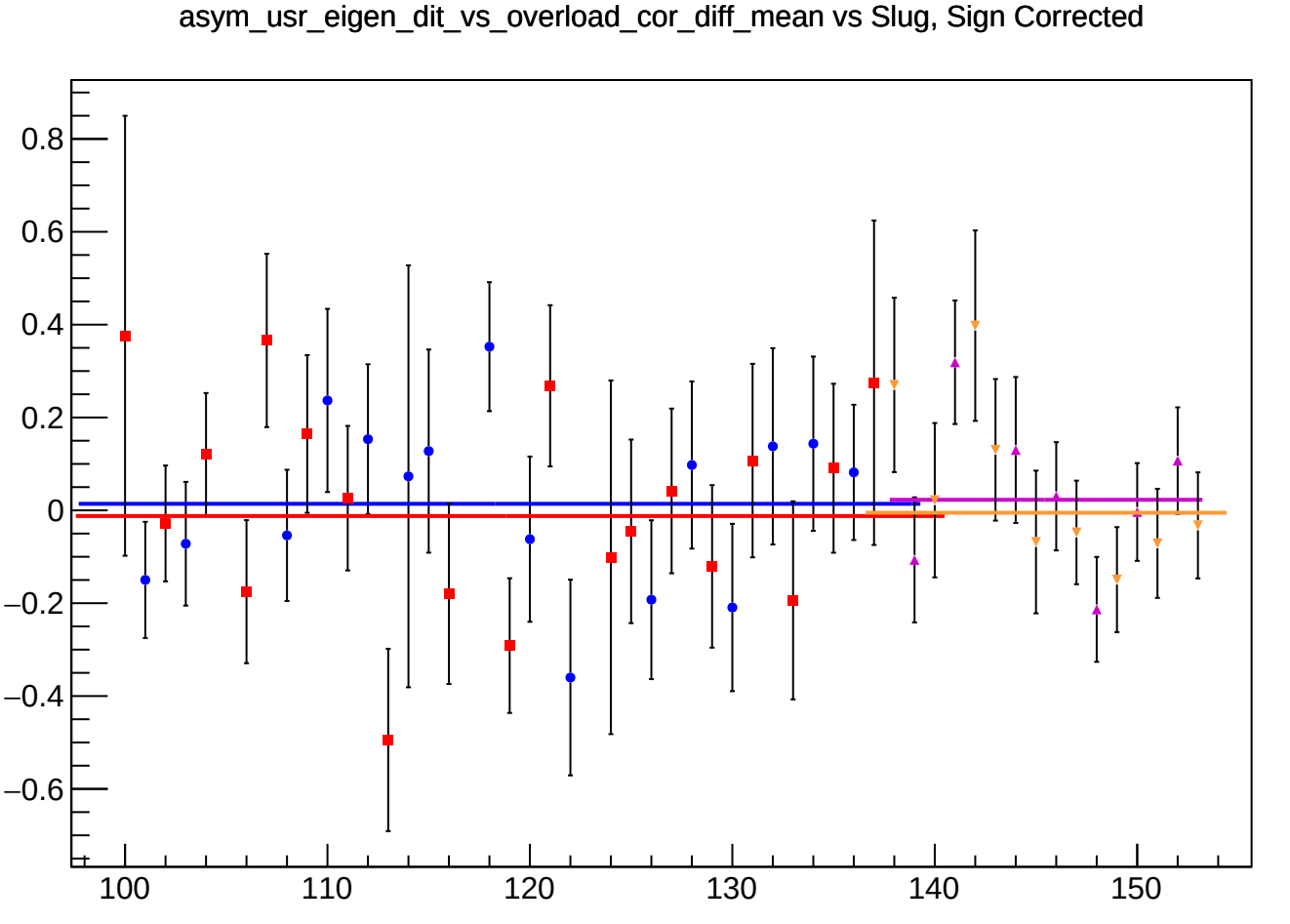
Left: 83.392+/-0.017 χ^2/NDF: 930705.9/15

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

In: 79.035+/-0.016 χ^2/NDF:723272.9/22

Out: 81.159+/-0.016 χ^2/NDF:1082152.7/27

All: 80.105+/-0.011 χ^2/NDF: 1814433.5/50



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: -0.005+/-0.046 χ^2/NDF:9.1/8

Right Out: -0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: 0.023+/-0.046 χ^2/NDF:11.3/6

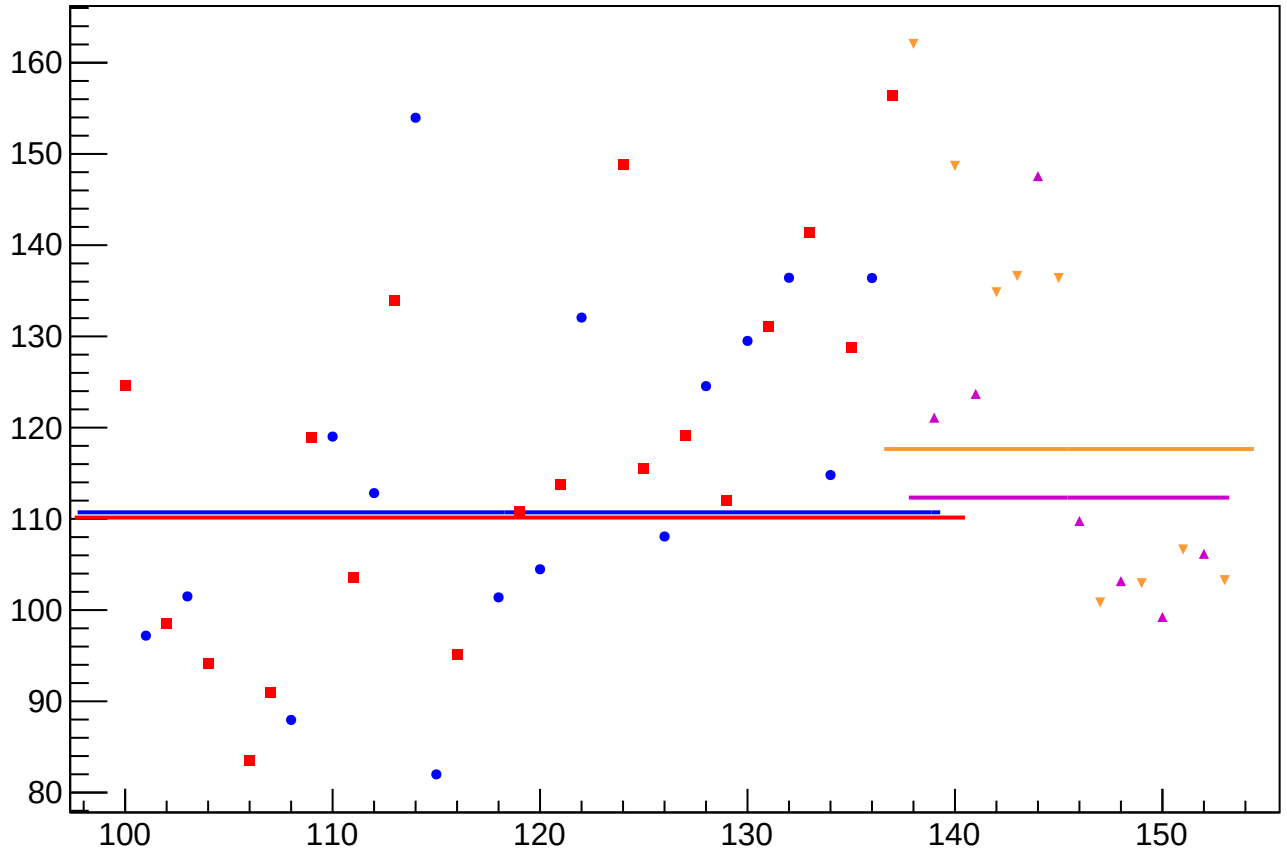
Left: 0.009+/-0.032 χ^2/NDF: 20.6/15

Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.018+/-0.031 χ^2/NDF:29.5/22

Out: -0.009+/-0.031 χ^2/NDF:32.9/27

All: 0.004+/-0.022 χ^2/NDF: 62.8/50



Right In: 110.714+/-0.030 χ^2/NDF: 299948.2/15

Left Out: 117.655+/-0.032 χ^2/NDF:384996.0/8

Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 112.330+/-0.033 χ^2/NDF:174286.5/6

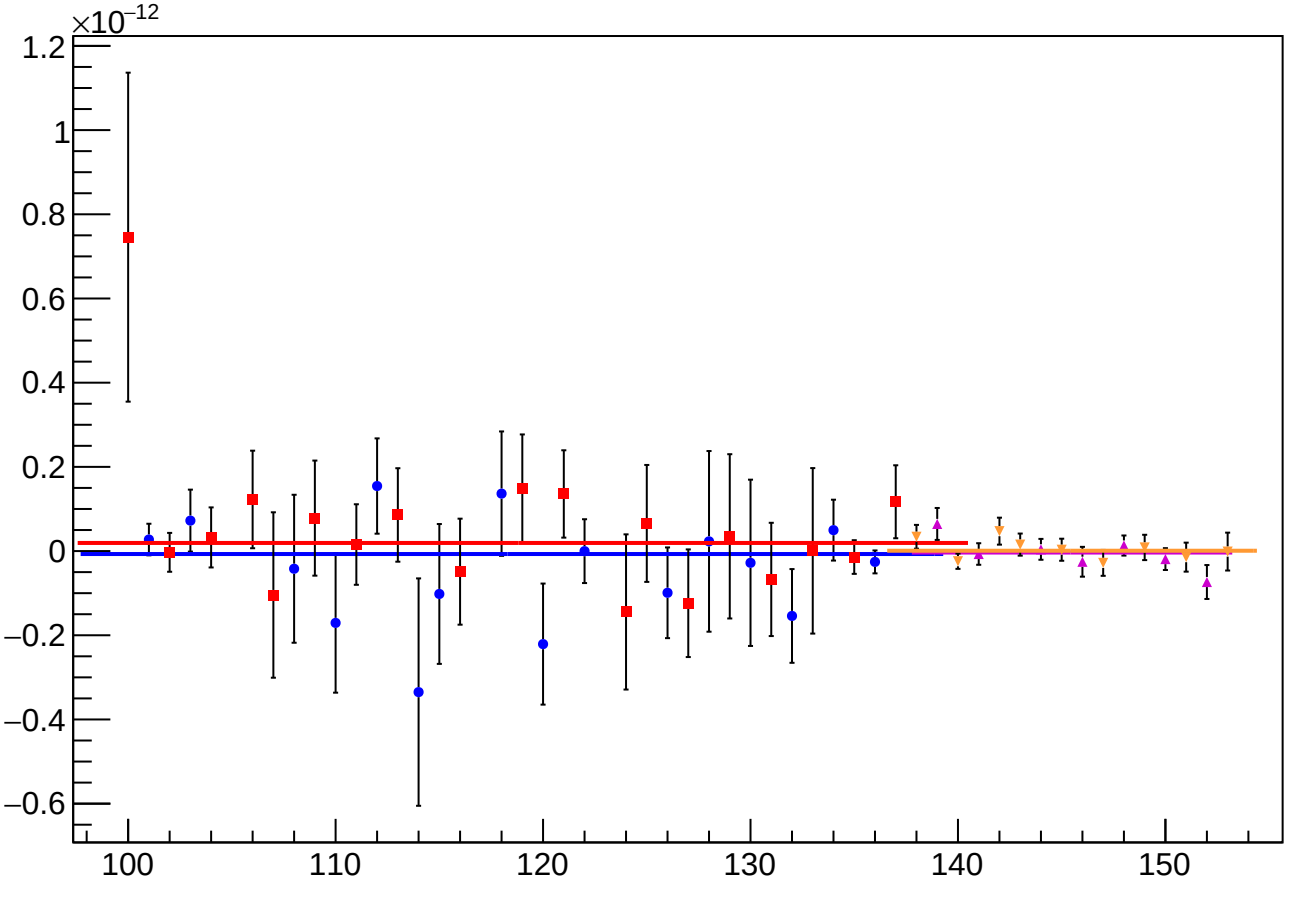
Left: 115.024+/-0.023 χ^2/NDF: 572768.0/15

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

In: 111.451+/-0.022 χ^2/NDF:475569.6/22

Out: 113.531+/-0.022 χ^2/NDF:741508.5/27

All: 112.510+/-0.015 χ^2/NDF: 1221613.1/50



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

Left Out: 0.000+/-0.000 χ^2/NDF:6.8/8

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:7.6/6

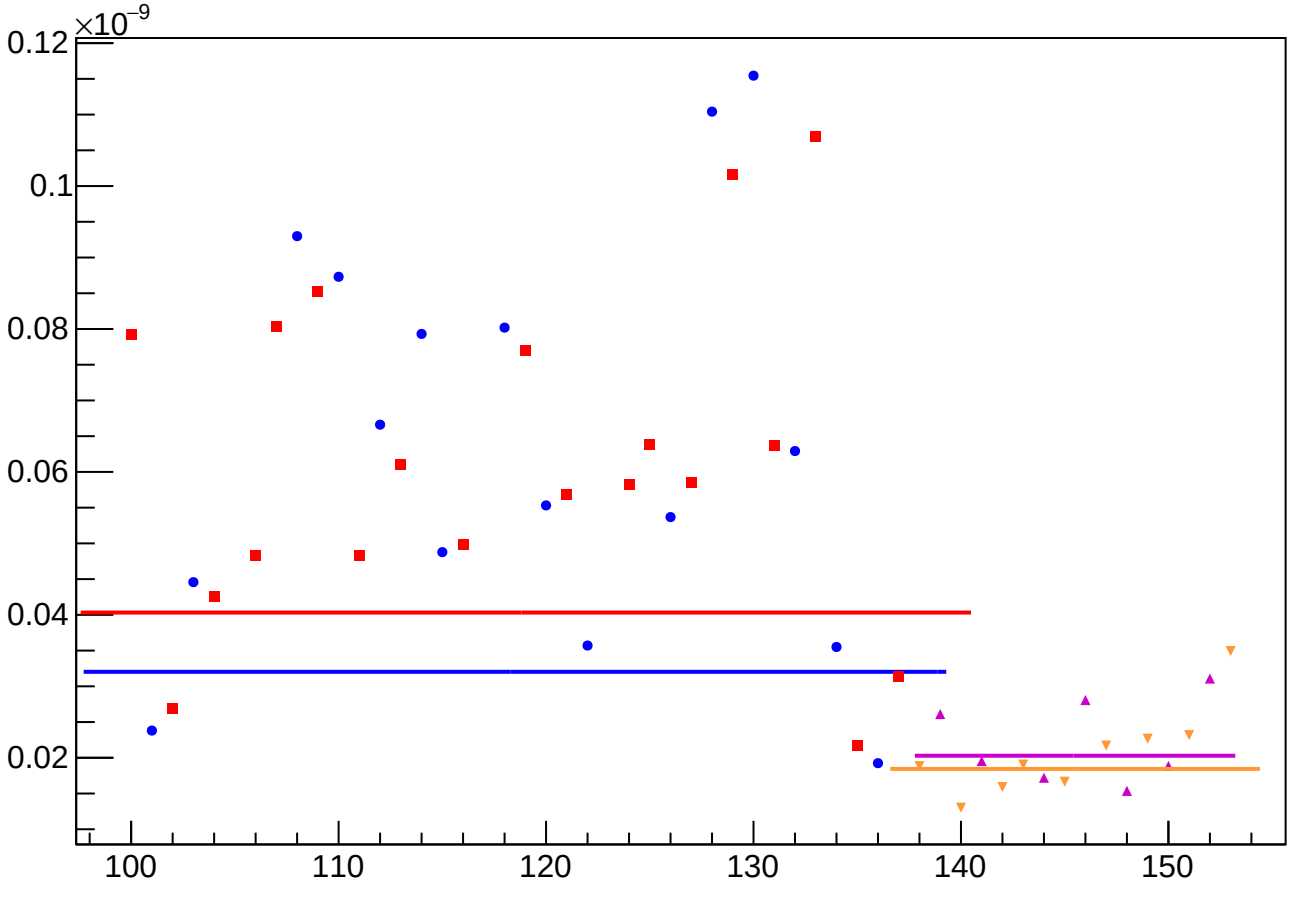
Left: -0.000+/-0.000 χ^2/NDF: 14.5/15

Right: 0.000+/-0.000 χ^2/NDF: 27.1/34

In: -0.000+/-0.000 χ^2/NDF:21.2/22

Out: 0.000+/-0.000 χ^2/NDF:20.1/27

All: 0.000+/-0.000 χ^2/NDF: 41.7/50



Right In: 0.000+/-0.000 χ^2/NDF: 2459312.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:571017.2/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:411205.7/6

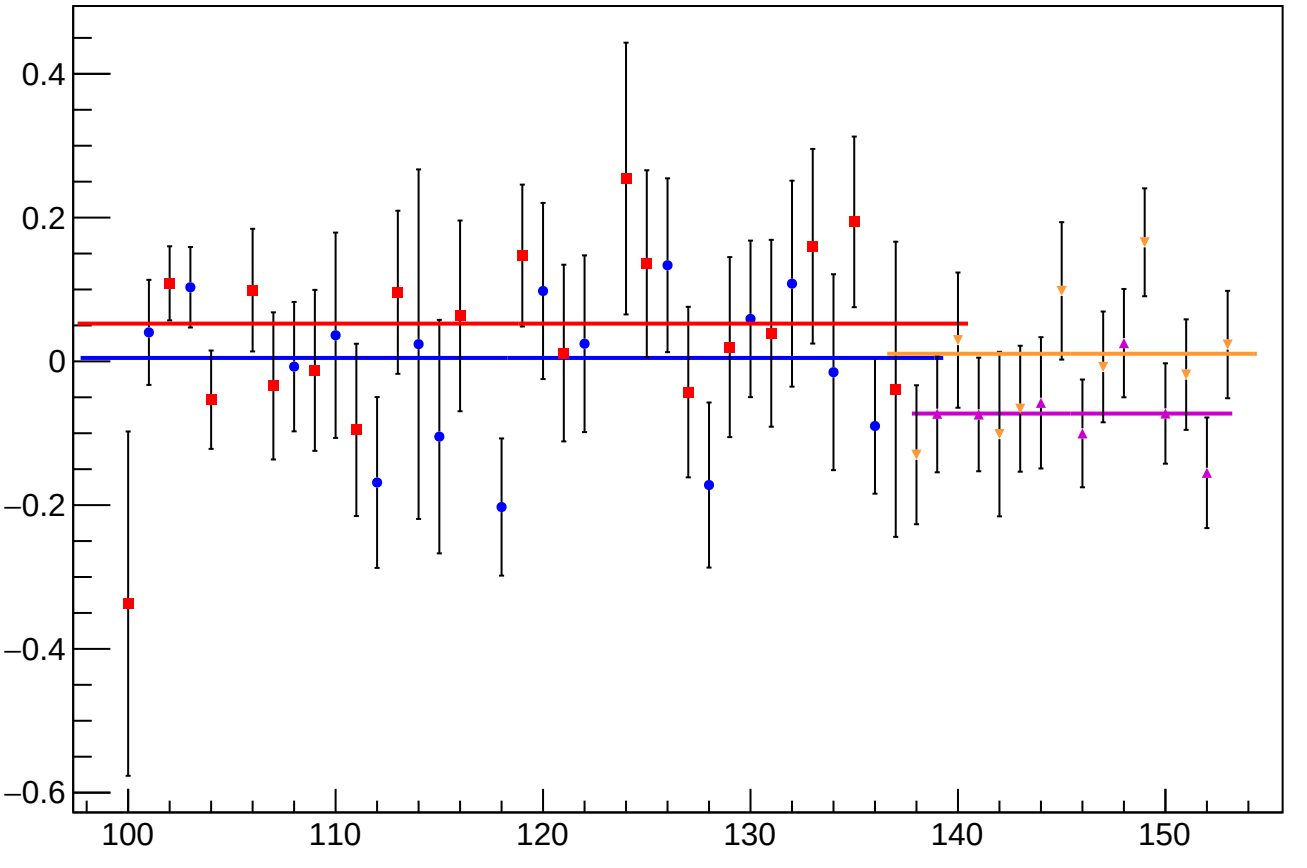
Left: 0.000+/-0.000 χ^2/NDF: 1015693.2/15

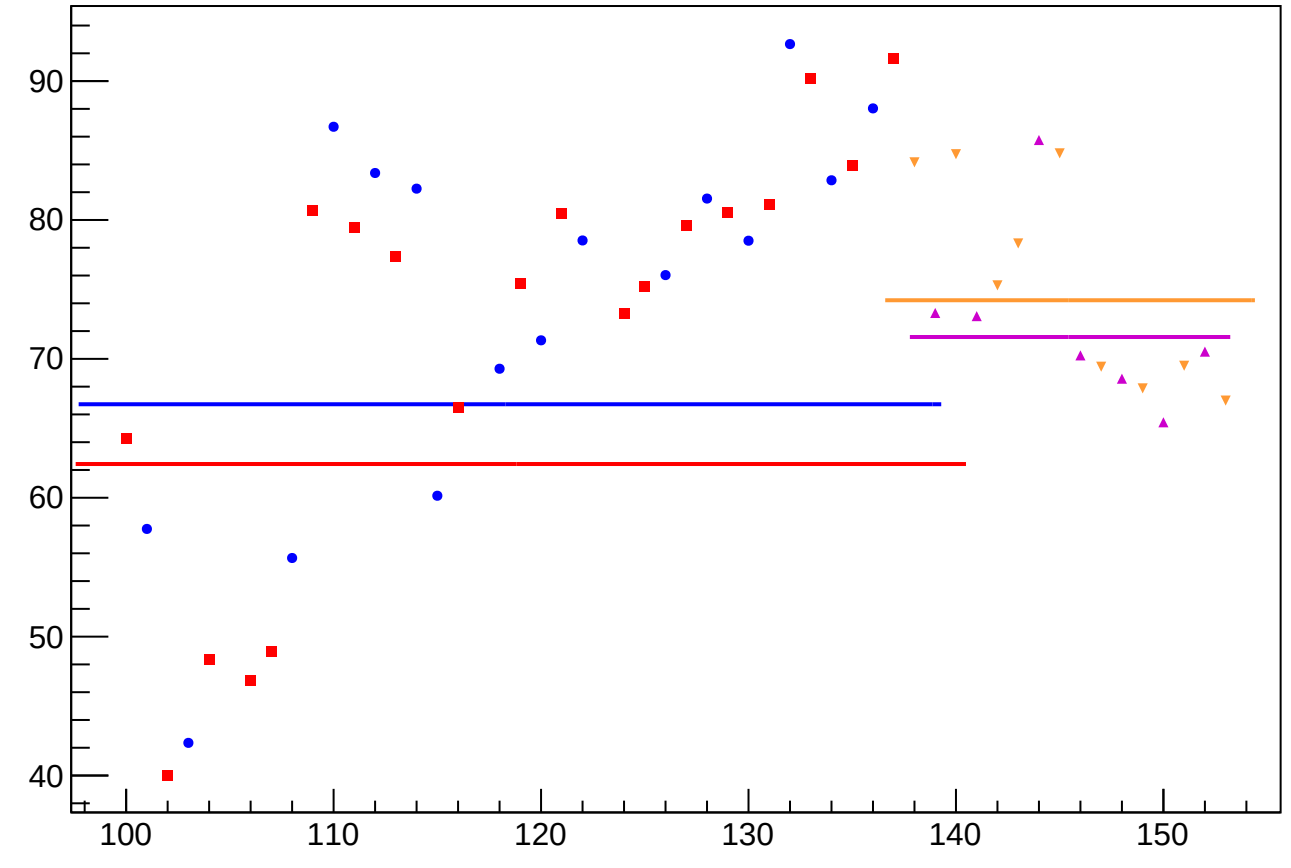
Right: 0.000+/-0.000 χ^2/NDF: 4504924.2/34

In: 0.000+/-0.000 χ^2/NDF:3499108.1/22

Out: 0.000+/-0.000 χ^2/NDF:4237938.4/27

All: 0.000+/-0.000 χ^2/NDF: 7764368.6/50


asym_usr_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
Right In: 0.005+/-0.026 χ²/NDF: 16.6/15
Left Out: 0.011+/-0.029 χ²/NDF:9.2/8
Right Out: 0.053+/-0.024 χ²/NDF: 14.8/18
Left In: -0.073+/-0.029 χ²/NDF:3.0/6
Left: -0.030+/-0.020 χ²/NDF: 16.3/15
Right: 0.030+/-0.018 χ²/NDF: 33.2/34
In: -0.029+/-0.019 χ²/NDF:23.5/22
Out: 0.035+/-0.018 χ²/NDF:25.3/27
All: 0.005+/-0.013 χ²/NDF: 54.5/50



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 74.220+/-0.020 χ^2/NDF:123365.2/8

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 71.574+/-0.021 χ^2/NDF:69510.4/6

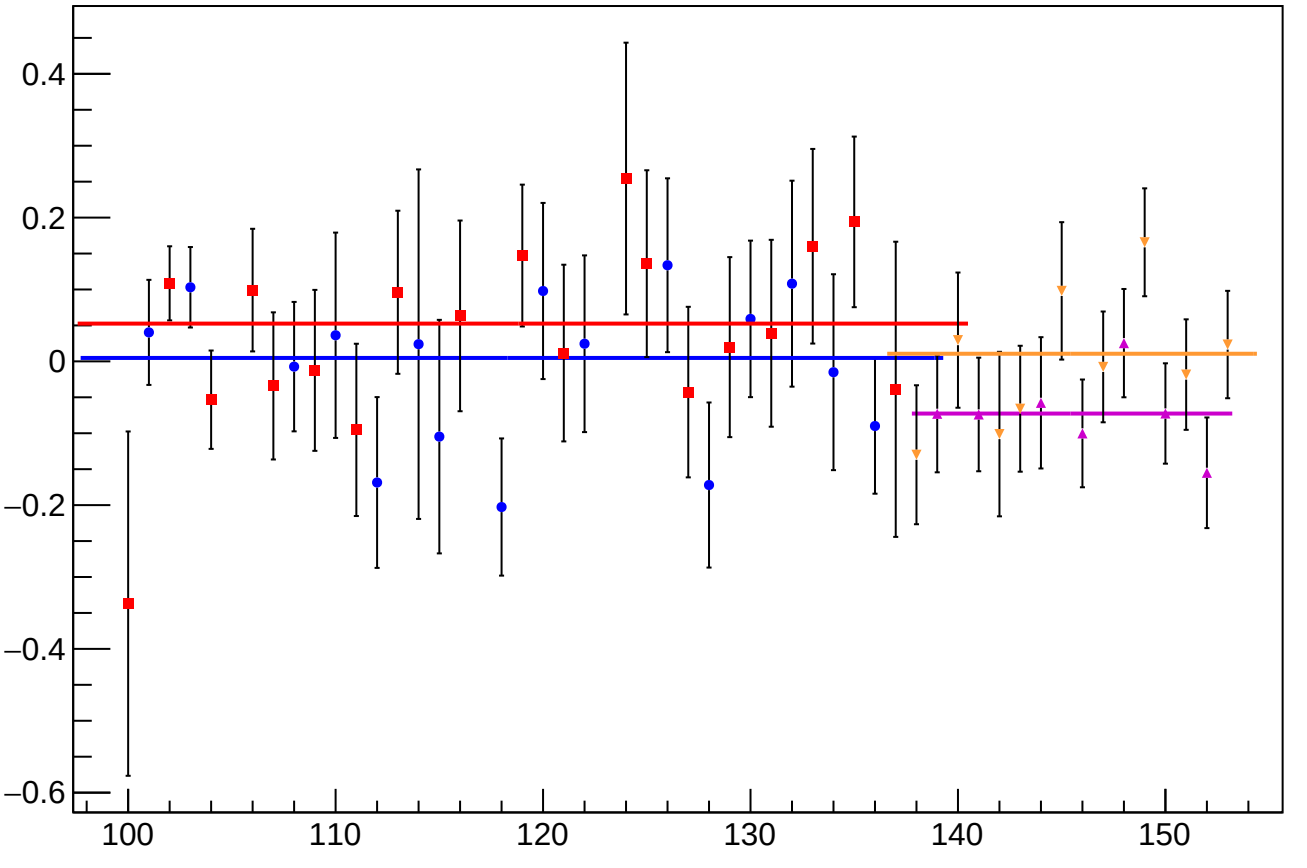
Left: 72.937+/-0.014 χ^2/NDF: 201232.0/15

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

In: 68.850+/-0.014 χ^2/NDF:916840.2/22

Out: 67.341+/-0.013 χ^2/NDF:1437074.0/27

All: 68.055+/-0.009 χ^2/NDF: 2360277.7/50



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.011+/-0.029 χ^2/NDF:9.2/8

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.073+/-0.029 χ^2/NDF:3.0/6

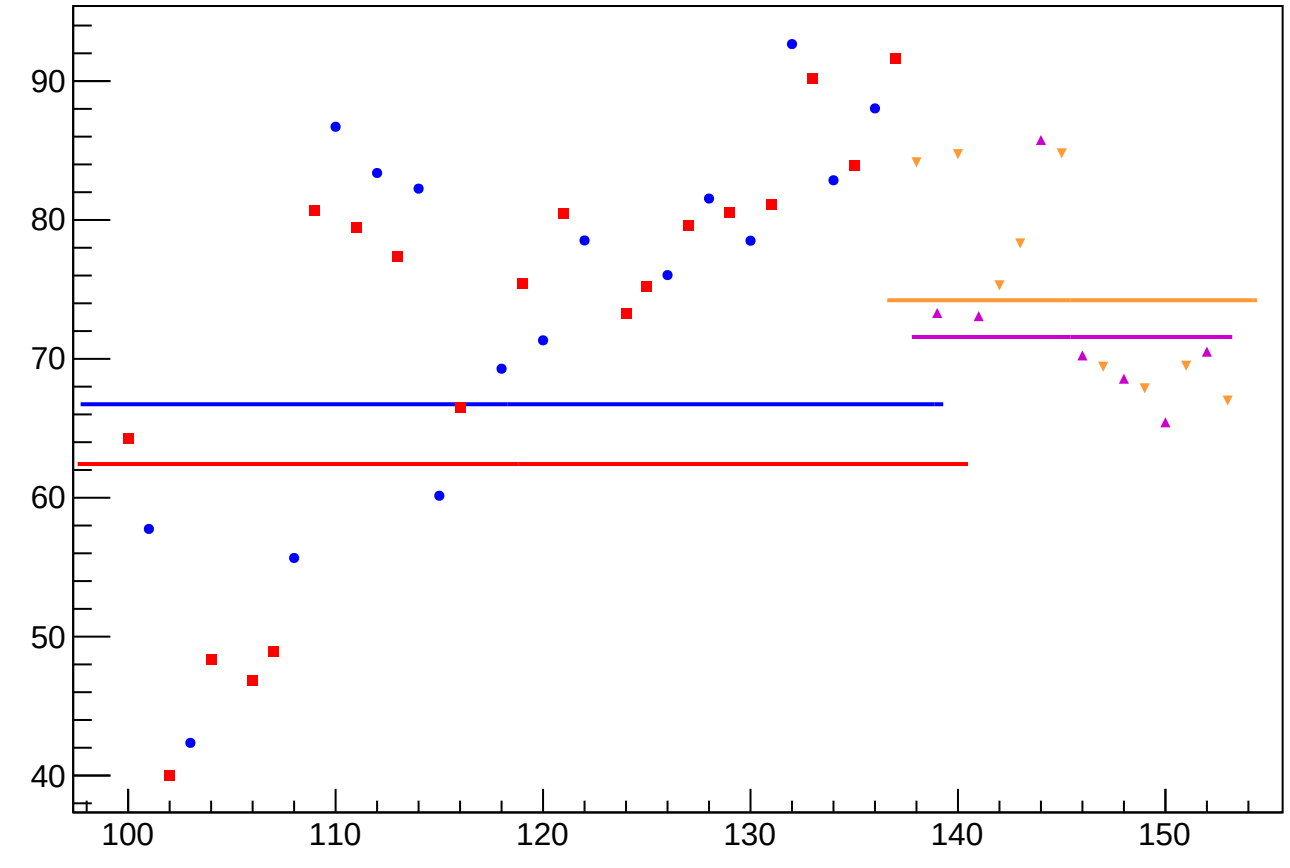
Left: -0.030+/-0.020 χ^2/NDF: 16.3/15

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.029+/-0.019 χ^2/NDF:23.5/22

Out: 0.035+/-0.018 χ^2/NDF:25.3/27

All: 0.005+/-0.013 χ^2/NDF: 54.5/50



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 74.220+/-0.020 χ^2/NDF:123365.2/8

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 71.574+/-0.021 χ^2/NDF:69510.4/6

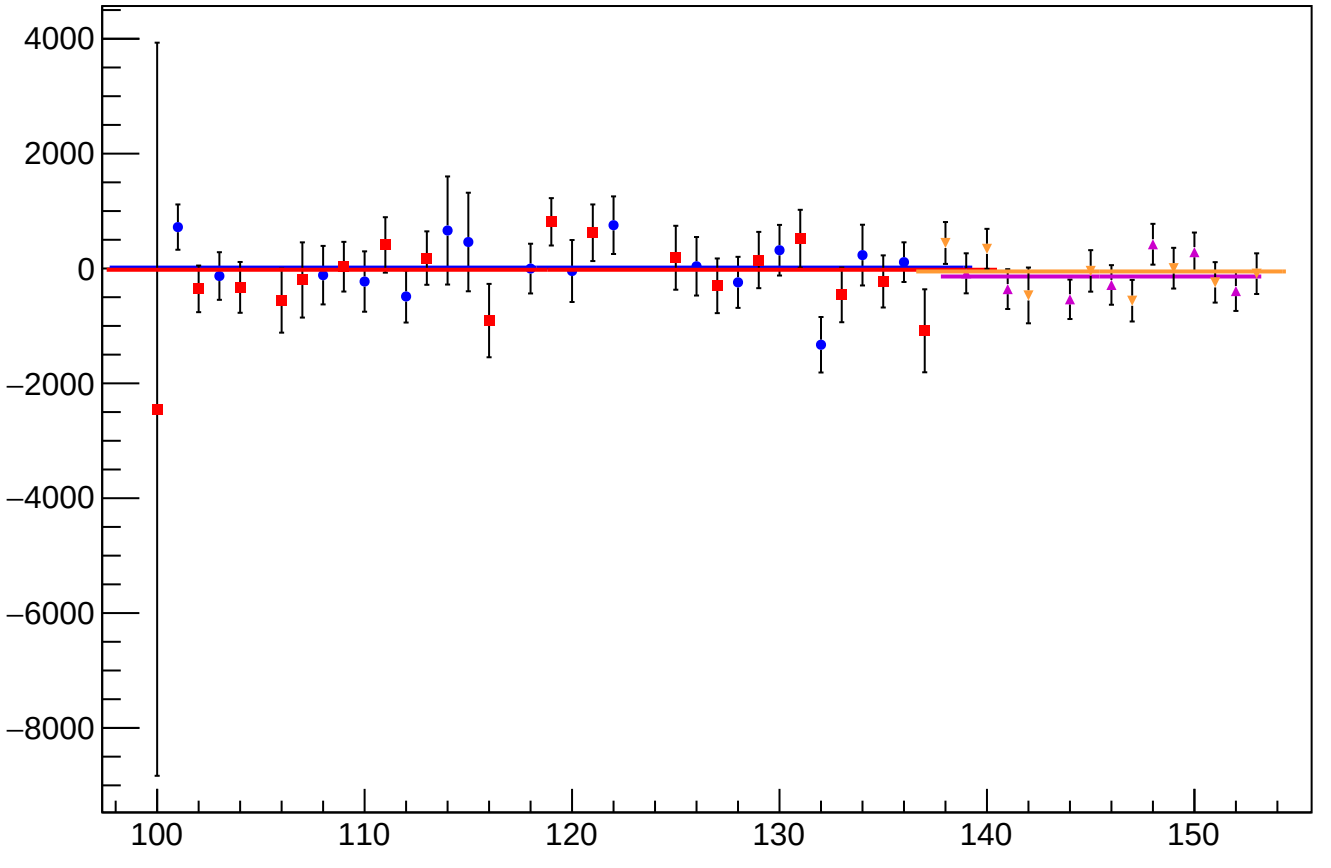
Left: 72.937+/-0.014 χ^2/NDF: 201232.0/15

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

In: 68.850+/-0.014 χ^2/NDF:916840.2/22

Out: 67.341+/-0.013 χ^2/NDF:1437074.0/27

All: 68.055+/-0.009 χ^2/NDF: 2360277.7/50



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: -51.539+/-129.857 χ^2/NDF:6.2/7

Right Out: -22.145+/-119.211 χ^2/NDF: 16.0/17

Left In: -139.588+/-130.980 χ^2/NDF:6.5/6

Left: -95.185+/-92.217 χ^2/NDF: 12.9/14

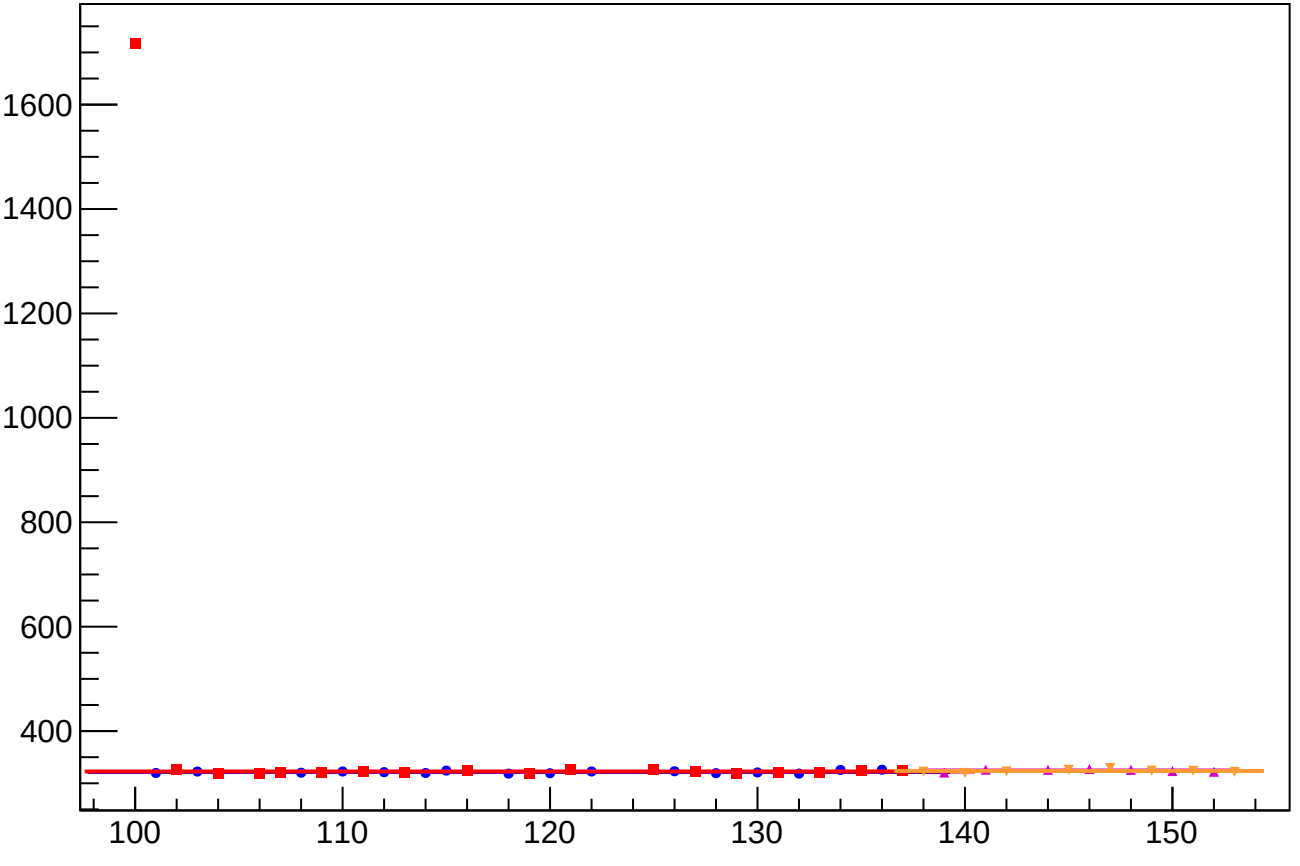
Right: -3.348+/-84.373 χ^2/NDF: 32.6/33

In: -54.897+/-88.251 χ^2/NDF:23.8/22

Out: -35.588+/-87.818 χ^2/NDF:22.2/25

All: -45.195+/-62.249 χ^2/NDF: 46.0/48

asym_dsl_rms vs Slug, Sign Corrected



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 323.637+/-0.092 χ^2/NDF:876.4/7

Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

Left In: 324.535+/-0.093 χ^2/NDF:596.1/6

Left: 324.082+/-0.065 χ^2/NDF: 1519.9/14

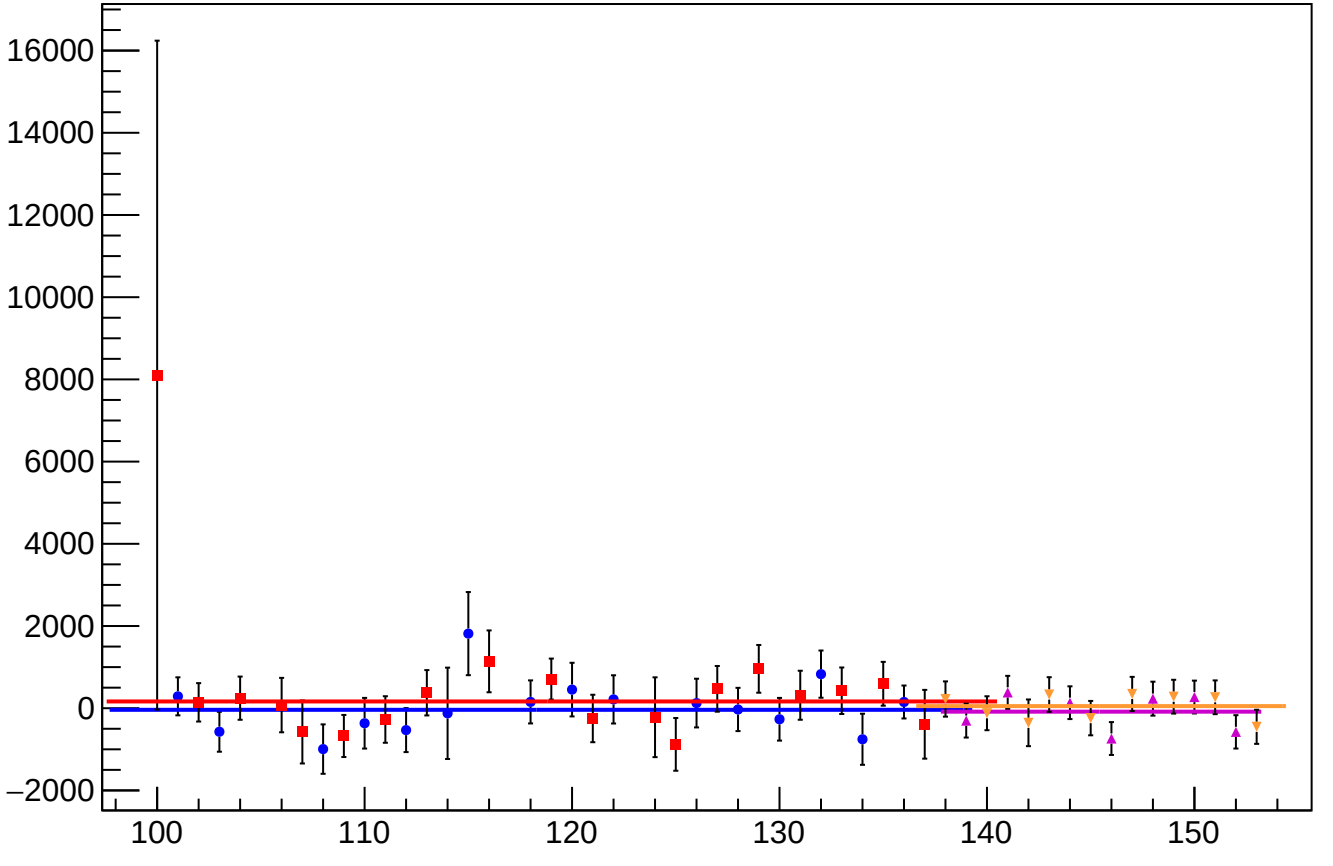
Right: 322.079+/-0.060 χ^2/NDF: 97778.0/33

In: 322.935+/-0.062 χ^2/NDF:1966.0/22

Out: 323.049+/-0.062 χ^2/NDF:97843.9/25

All: 322.992+/-0.044 χ^2/NDF: 99811.6/48

asym_dsr_mean vs Slug, Sign Corrected



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: 51.336+/-142.594 χ^2/NDF:4.3/8

Right Out: 164.639+/-138.962 χ^2/NDF: 15.1/18

Left In: -83.989+/-152.812 χ^2/NDF:7.5/6

Left: -11.651+/-104.254 χ^2/NDF: 12.2/15

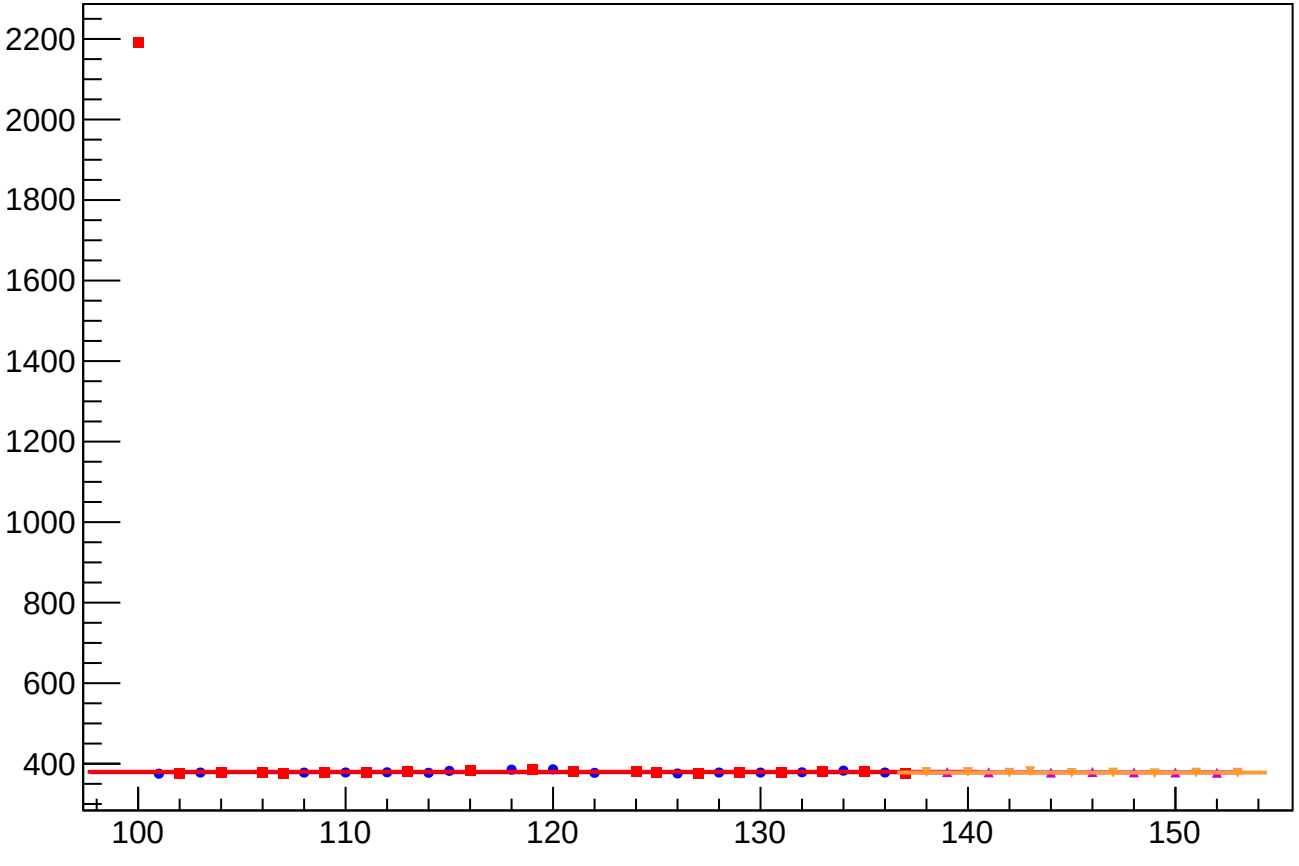
Right: 64.141+/-98.877 χ^2/NDF: 29.9/34

In: -59.598+/-103.515 χ^2/NDF:21.2/22

Out: 109.449+/-99.520 χ^2/NDF:19.8/27

All: 28.250+/-71.742 χ^2/NDF: 42.4/50

asym_dsr_rms vs Slug, Sign Corrected



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 378.005+/-0.101 χ^2/NDF:199.5/8

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

Left In: 378.615+/-0.108 χ^2/NDF:32.9/6

Left: 378.289+/-0.074 χ^2/NDF: 249.4/15

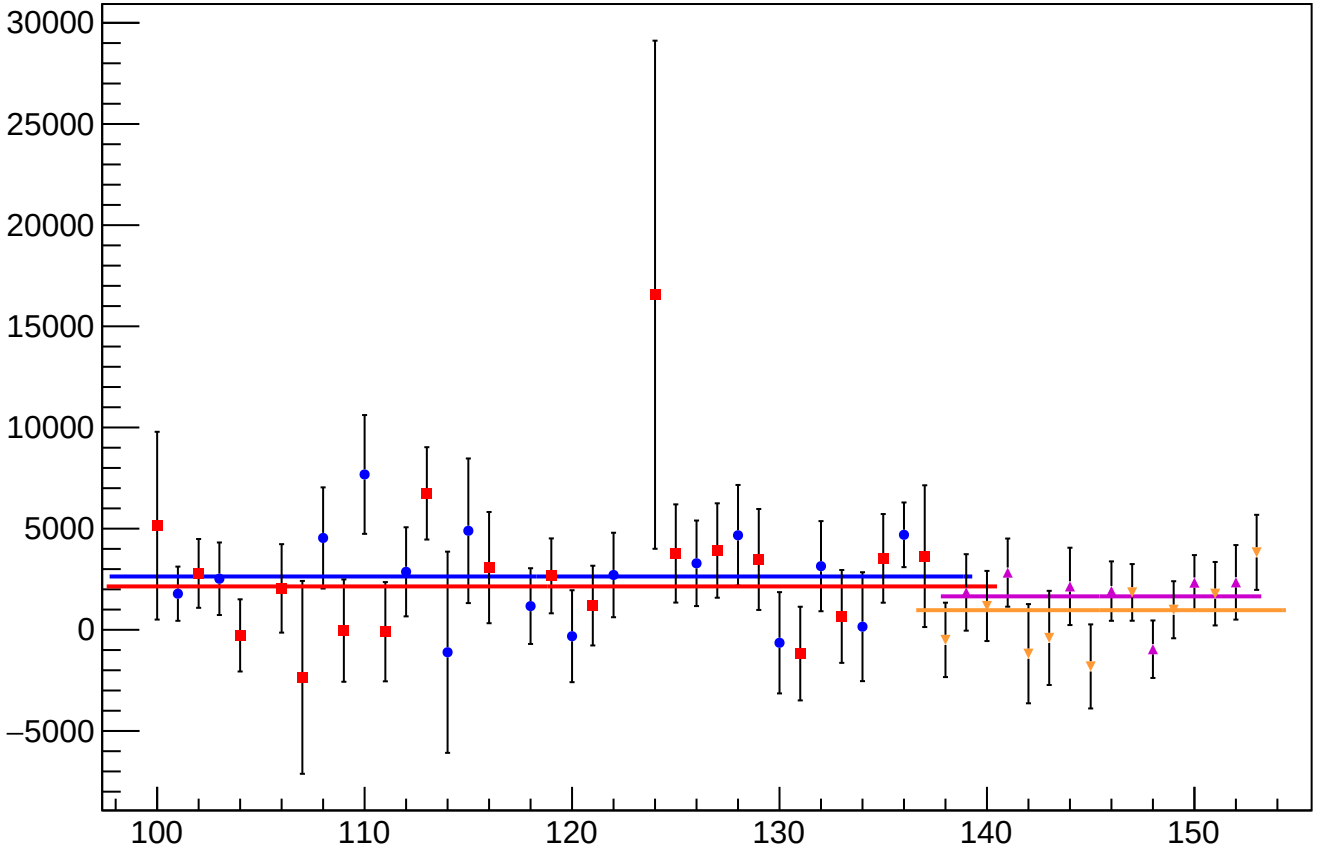
Right: 379.400+/-0.070 χ^2/NDF: 100520.6/34

In: 378.774+/-0.073 χ^2/NDF:888.1/22

Out: 378.965+/-0.070 χ^2/NDF:99998.0/27

All: 378.874+/-0.051 χ^2/NDF: 100889.7/50

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: 970.133+/-585.088 χ^2/NDF:6.6/8

Right Out: 2144.569+/-546.963 χ^2/NDF: 15.0/18

Left In: 1653.489+/-608.702 χ^2/NDF:4.4/6

Left: 1298.298+/-421.821 χ^2/NDF: 11.6/15

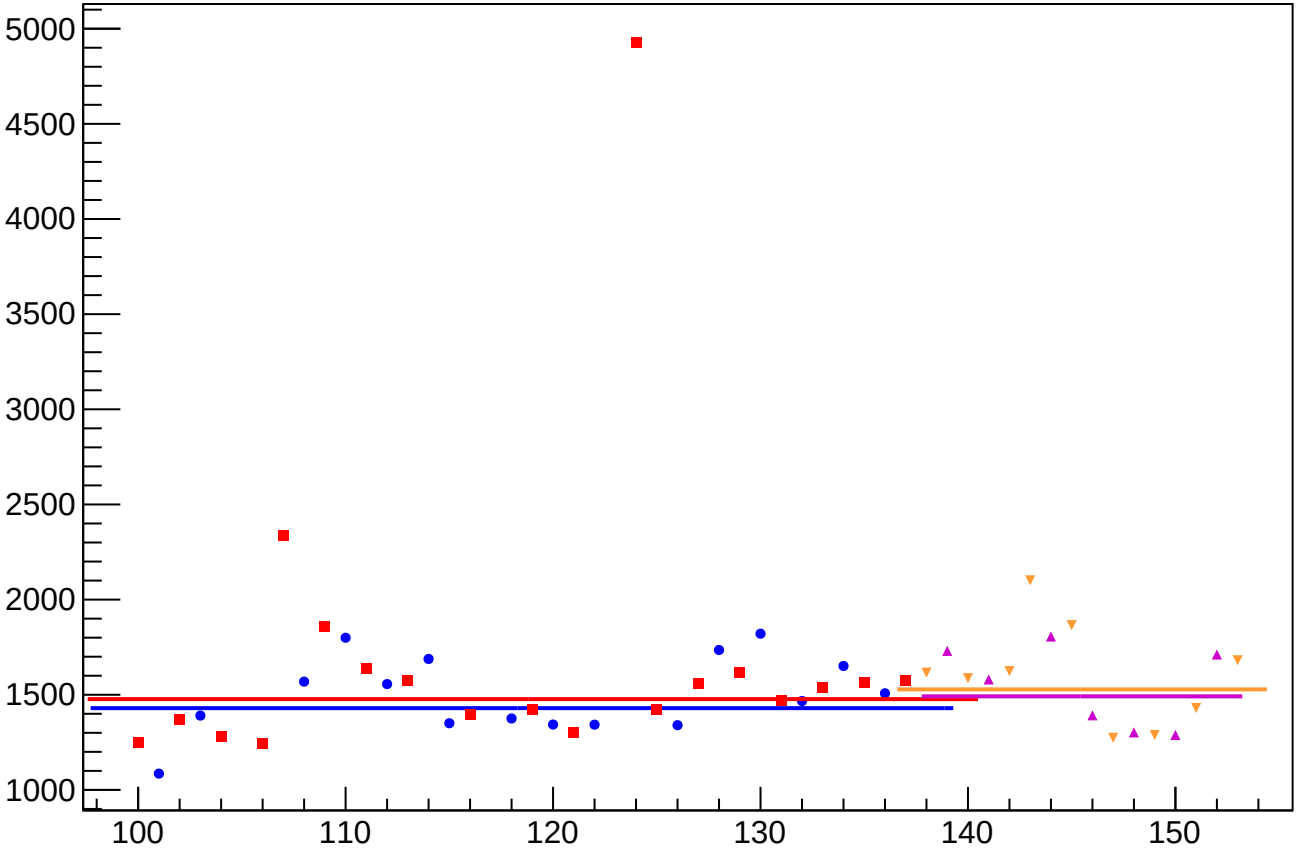
Right: 2394.022+/-383.566 χ^2/NDF: 27.7/34

In: 2204.724+/-403.128 χ^2/NDF:18.1/22

Out: 1596.858+/-399.560 χ^2/NDF:23.8/27

All: 1898.089+/-283.785 χ^2/NDF: 43.0/50

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1528.177+/-0.414 χ^2/NDF:329288.5/8

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

Left In: 1491.649+/-0.430 χ^2/NDF:209126.1/6

Left: 1510.635+/-0.298 χ^2/NDF: 542158.2/15

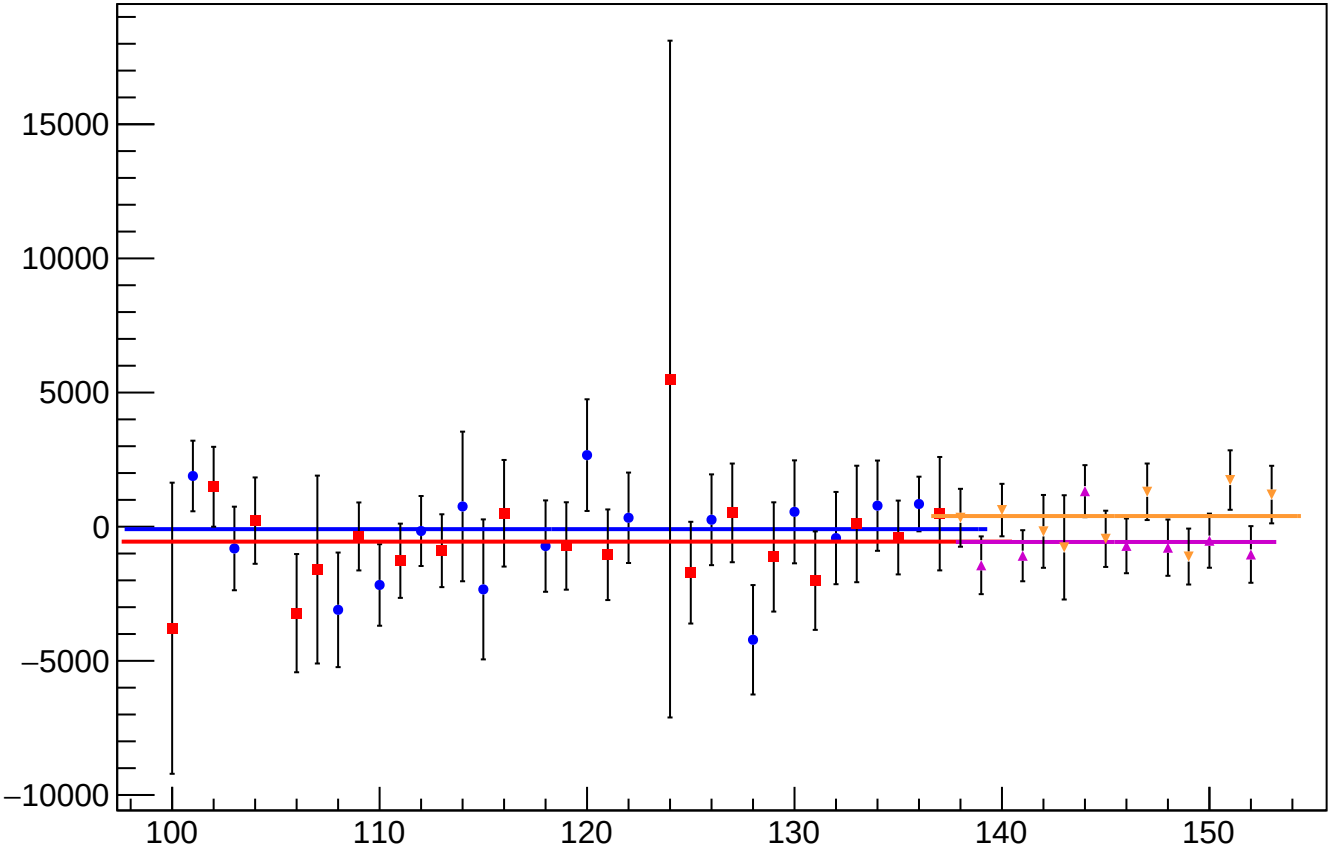
Right: 1452.999+/-0.271 χ^2/NDF: 670475.8/34

In: 1456.845+/-0.285 χ^2/NDF:514161.2/22

Out: 1500.934+/-0.283 χ^2/NDF:706844.6/27

All: 1479.086+/-0.201 χ^2/NDF: 1233073.2/50

asym_us_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: 396.822+/-374.597 χ^2/NDF:6.1/8

Right Out: -556.840+/-411.346 χ^2/NDF: 6.8/18

Left In: -569.586+/-384.060 χ^2/NDF:5.0/6

Left: -74.330+/-268.163 χ^2/NDF: 14.4/15

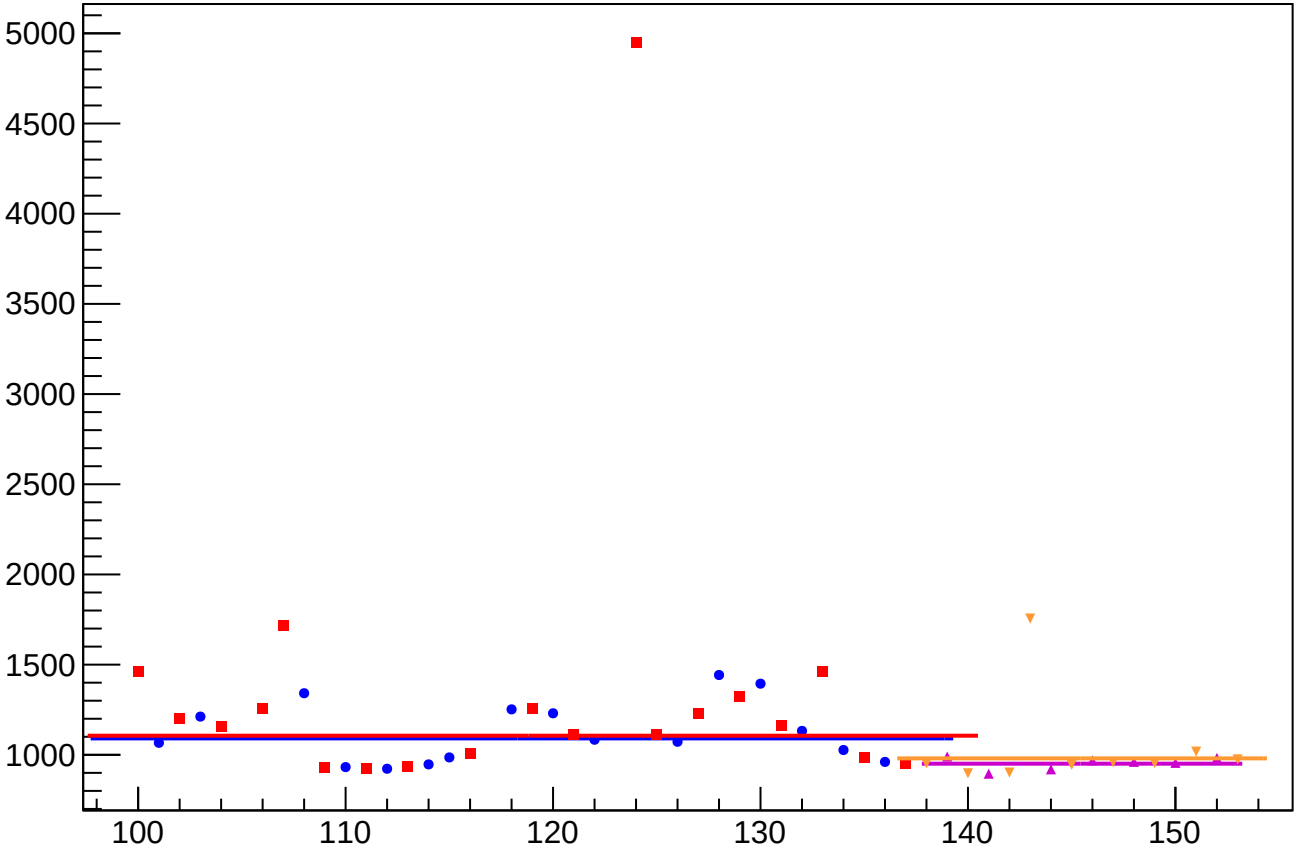
Right: -323.285+/-290.373 χ^2/NDF: 21.9/34

In: -346.028+/-280.280 χ^2/NDF:20.3/22

Out: -35.516+/-276.963 χ^2/NDF:15.8/27

All: -188.924+/-197.004 χ^2/NDF: 36.7/50

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 980.305+/-0.265 χ^2/NDF:347594.4/8

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

Left In: 950.876+/-0.272 χ^2/NDF:14232.2/6

Left: 965.957+/-0.190 χ^2/NDF: 367844.5/15

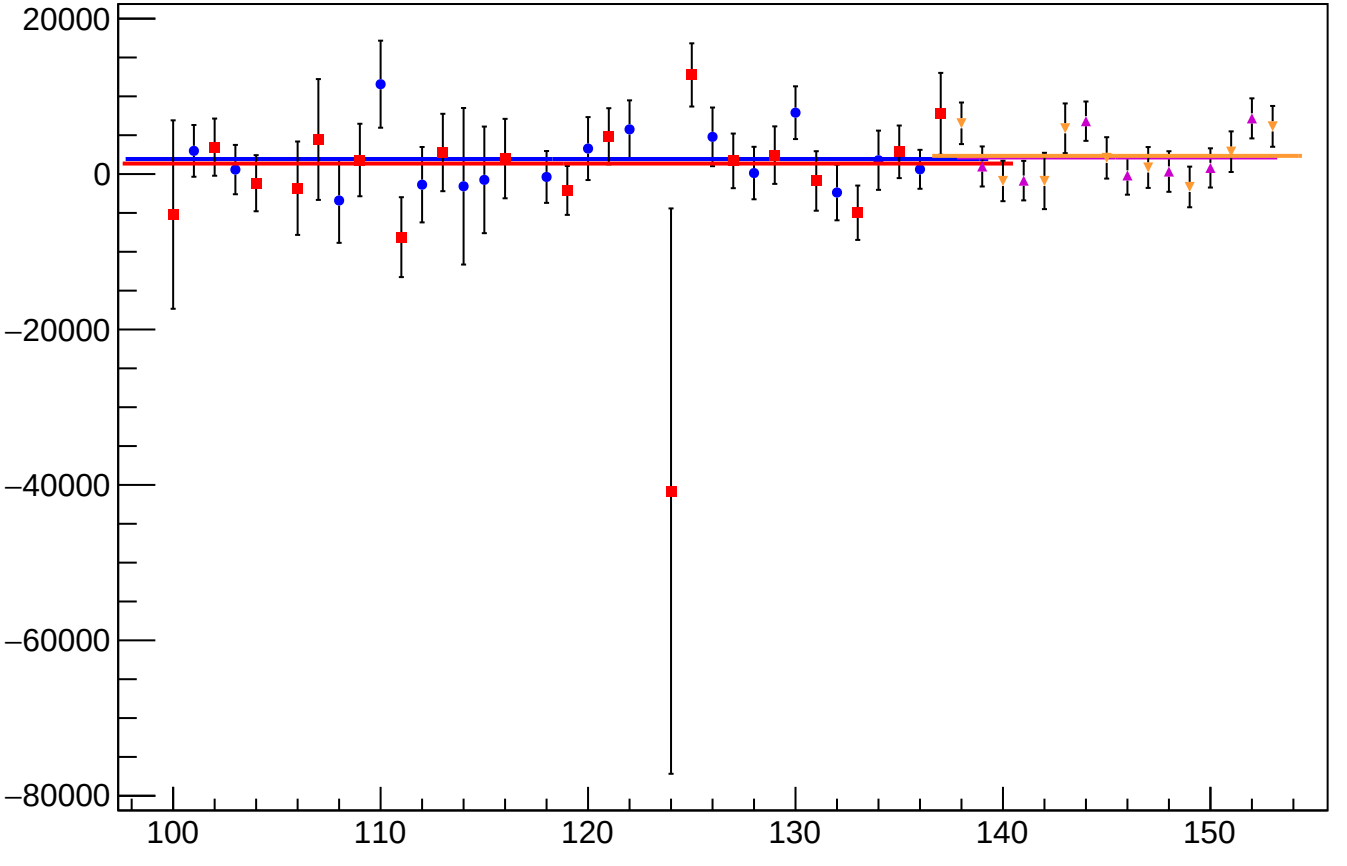
Right: 1098.518+/-0.205 χ^2/NDF: 792737.9/34

In: 1016.392+/-0.198 χ^2/NDF:416051.2/22

Out: 1037.309+/-0.196 χ^2/NDF:963853.3/27

All: 1026.975+/-0.139 χ^2/NDF: 1385540.4/50

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2340.984+/-918.817 χ^2/NDF:10.8/8

Right Out: 1353.428+/-985.119 χ^2/NDF: 21.8/18

Left In: 2134.780+/-963.147 χ^2/NDF:10.4/6

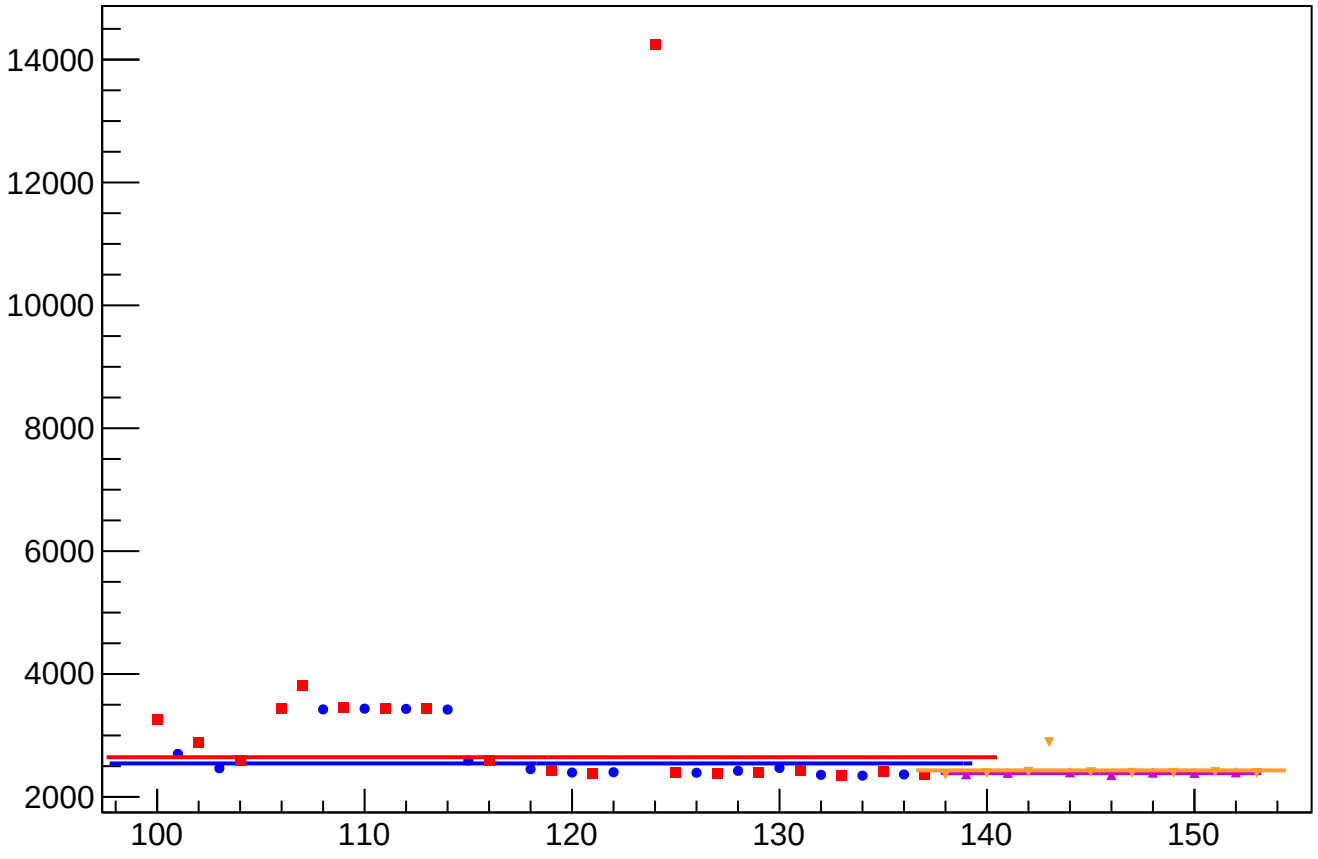
Left: 2242.736+/-664.821 χ^2/NDF: 21.3/15

Right: 1656.397+/-684.775 χ^2/NDF: 34.2/34

In: 2036.137+/-677.265 χ^2/NDF:22.7/22

Out: 1881.555+/-671.919 χ^2/NDF:33.2/27

All: 1958.234+/-476.998 χ^2/NDF: 55.9/50



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2431.921+/-0.650 χ^2/NDF:45070.7/8

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

Left In: 2386.438+/-0.681 χ^2/NDF:531.2/6

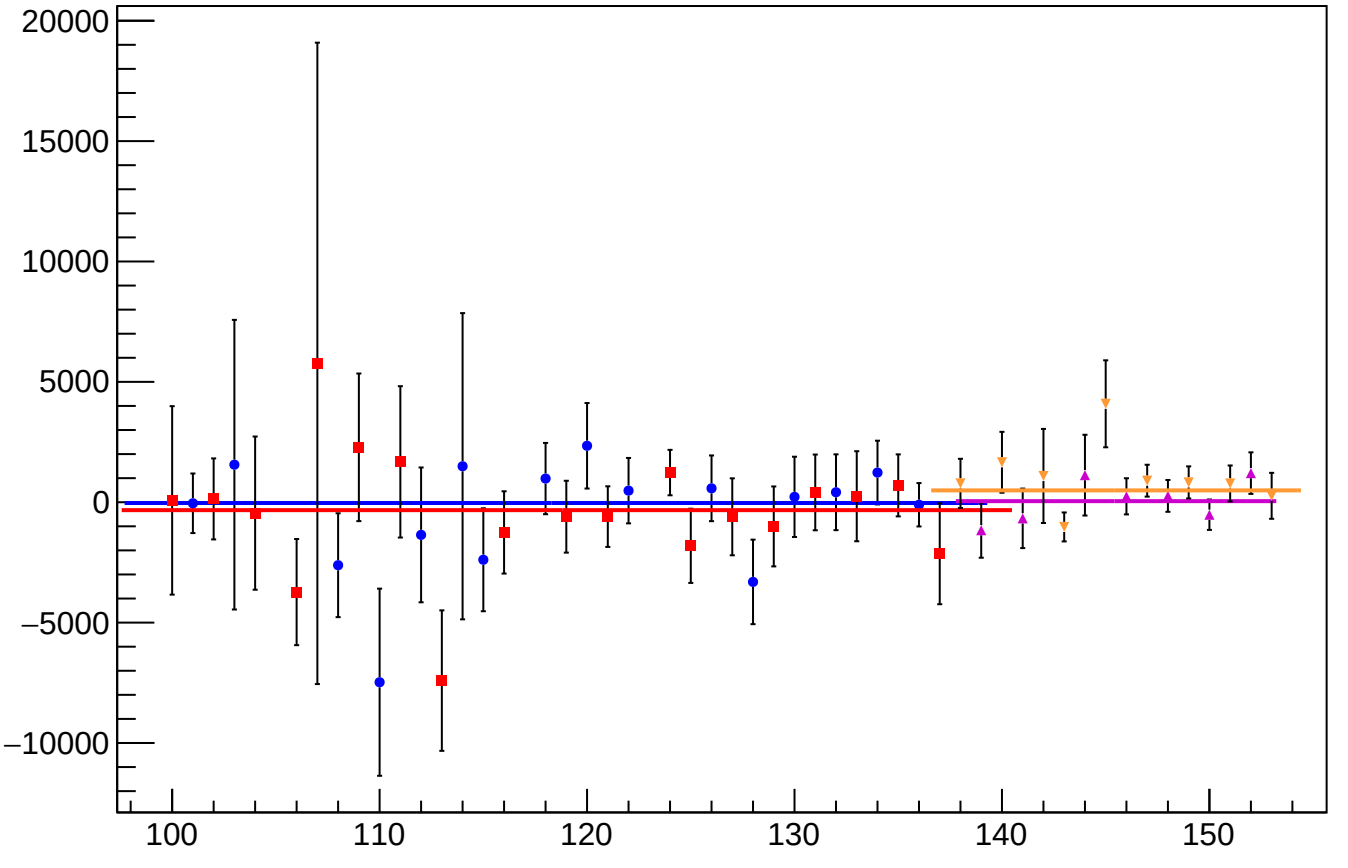
Left: 2410.250+/-0.470 χ^2/NDF: 47936.9/15

Right: 2593.330+/-0.484 χ^2/NDF: 773493.8/34

In: 2466.302+/-0.479 χ^2/NDF:253346.6/22

Out: 2531.350+/-0.475 χ^2/NDF:632379.4/27

All: 2499.084+/-0.337 χ^2/NDF: 895023.8/50



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 492.441+/-284.680 χ^2/NDF:12.2/8

Right Out: -328.475+/-398.568 χ^2/NDF: 15.6/18

Left In: 45.149+/-321.246 χ^2/NDF:4.7/6

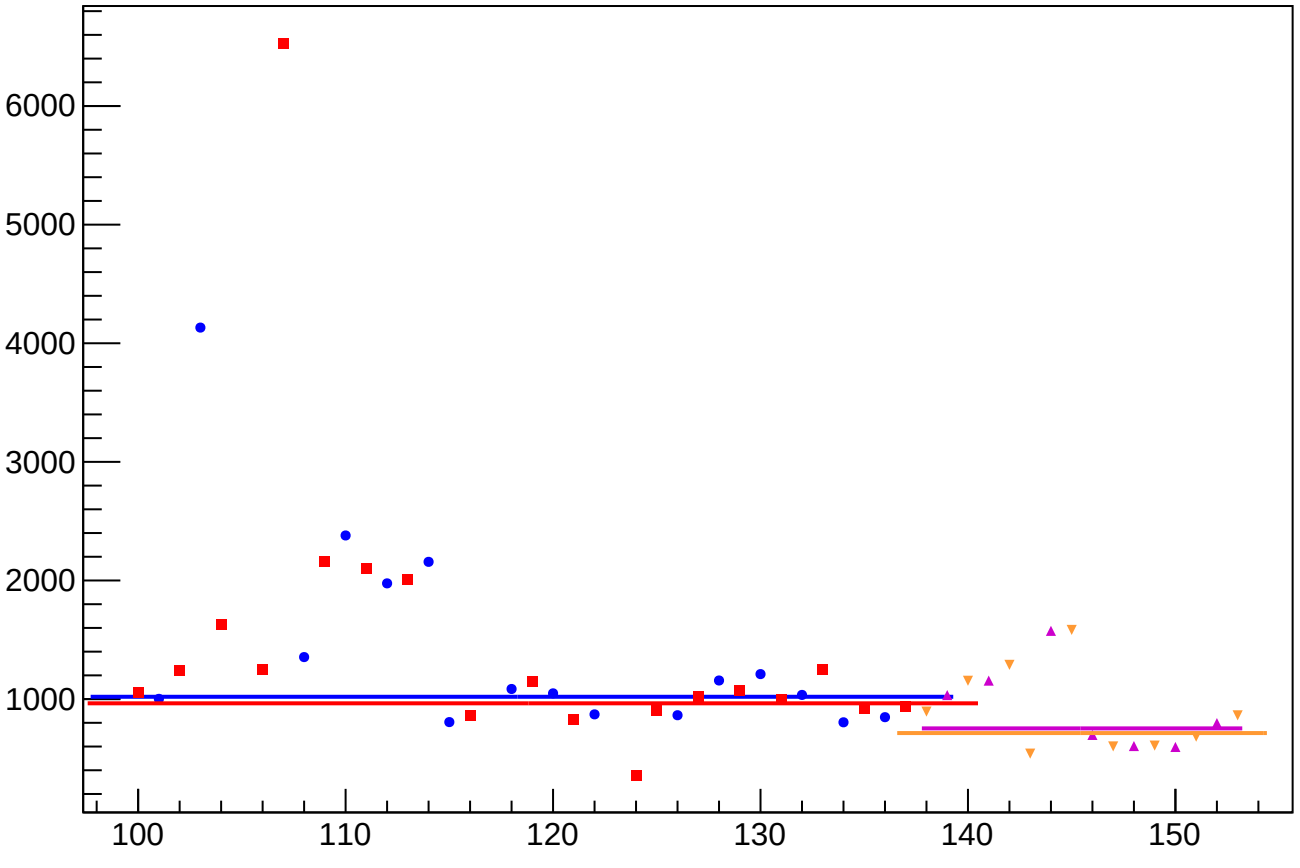
Left: 295.690+/-213.059 χ^2/NDF: 17.9/15

Right: -182.479+/-284.327 χ^2/NDF: 29.7/34

In: 15.732+/-251.858 χ^2/NDF:18.5/22

Out: 215.119+/-231.657 χ^2/NDF:30.6/27

All: 123.741+/-170.501 χ^2/NDF: 49.4/50



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 713.621+/-0.201 χ^2/NDF:1269479.7/8

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

Left In: 753.022+/-0.227 χ^2/NDF:1054397.9/6

Left: 730.952+/-0.151 χ^2/NDF: 2340729.8/15

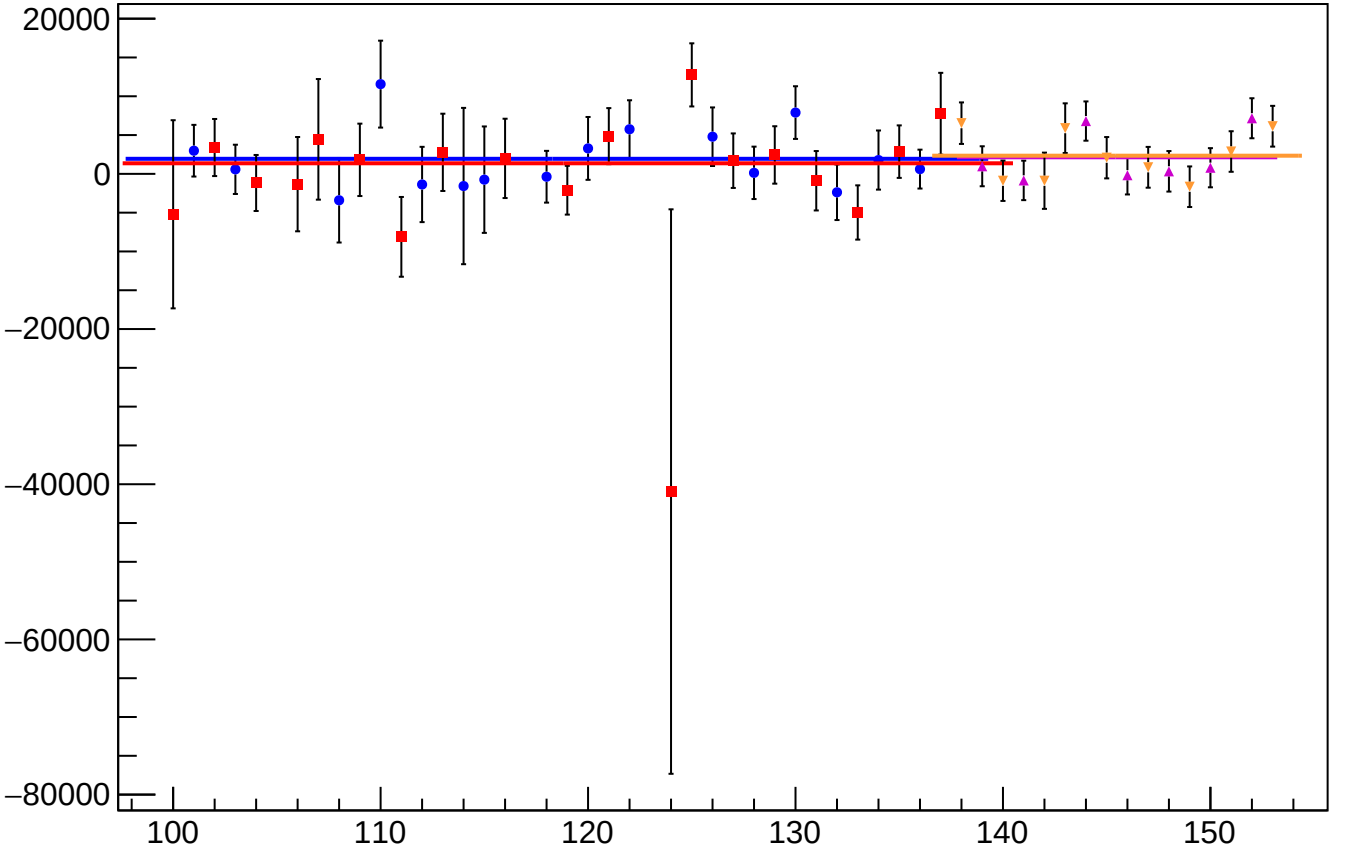
Right: 991.460+/-0.201 χ^2/NDF: 3692906.6/34

In: 855.715+/-0.178 χ^2/NDF:2949534.2/22

Out: 798.332+/-0.164 χ^2/NDF:4103055.3/27

All: 824.631+/-0.121 χ^2/NDF: 7108830.7/50

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2340.782+/-918.817 χ^2/NDF:10.8/8

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 2134.989+/-963.147 χ^2/NDF:10.4/6

Left: 2242.730+/-664.821 χ^2/NDF: 21.3/15

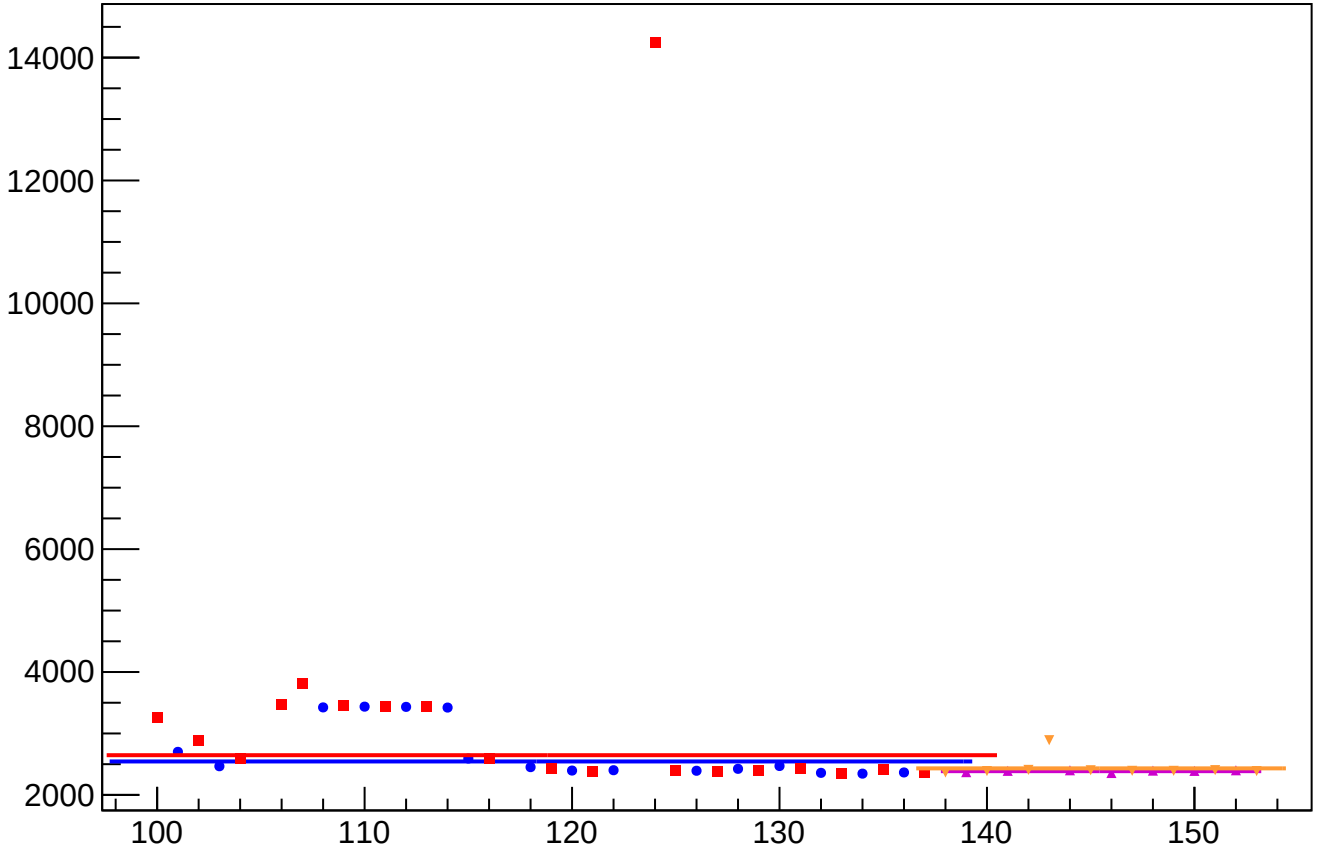
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 2036.417+/-677.265 χ^2/NDF:22.7/22

Out: 1886.090+/-672.015 χ^2/NDF:33.1/27

All: 1960.668+/-477.032 χ^2/NDF: 55.8/50

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2431.921+/-0.650 χ^2/NDF:45070.7/8

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2386.438+/-0.681 χ^2/NDF:531.2/6

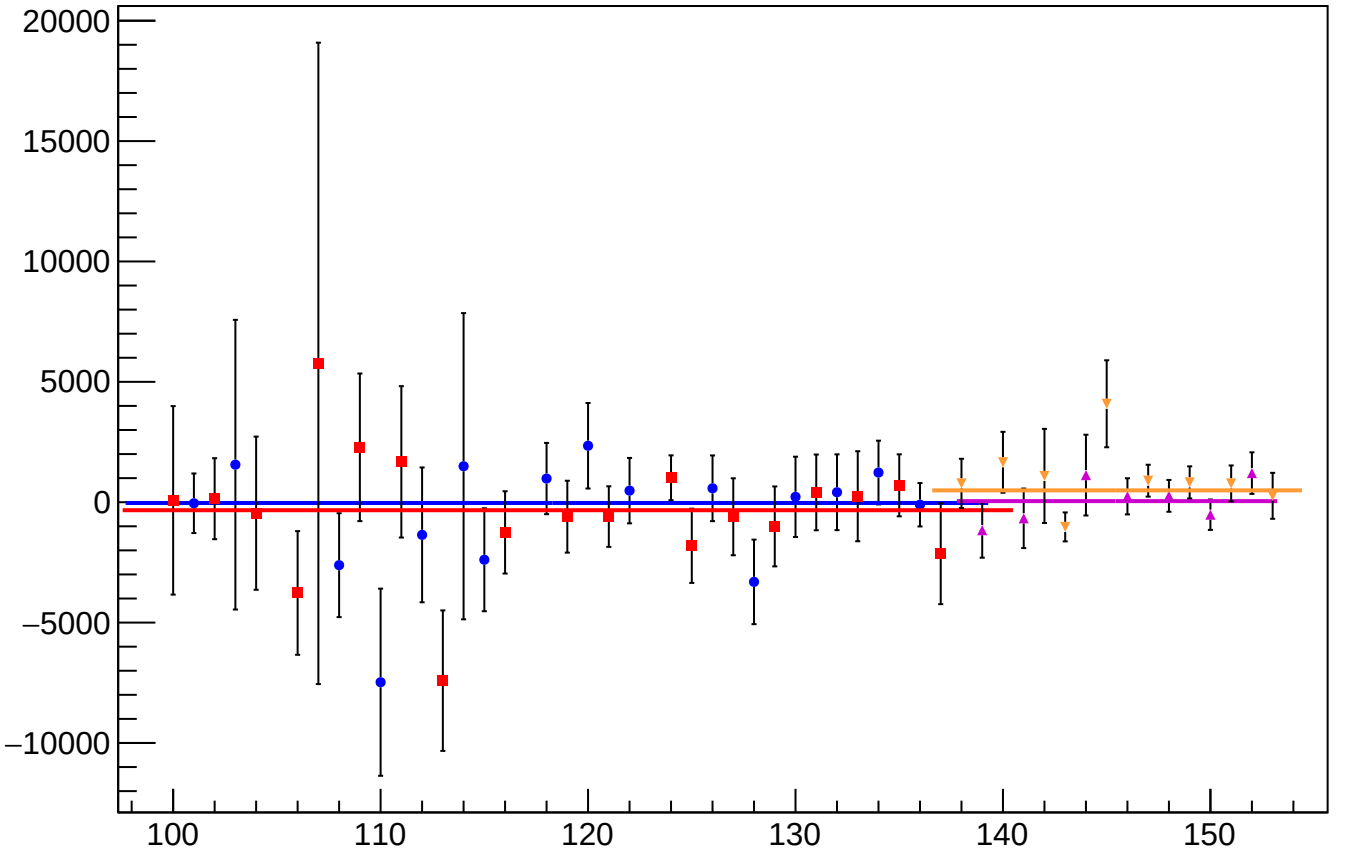
Left: 2410.250+/-0.470 χ^2/NDF: 47936.9/15

Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2466.302+/-0.479 χ^2/NDF:253346.6/22

Out: 2531.576+/-0.475 χ^2/NDF:635206.9/27

All: 2499.193+/-0.337 χ^2/NDF: 897914.8/50



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 492.324+/-284.684 χ^2/NDF:12.2/8

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: 45.261+/-321.243 χ^2/NDF:4.7/6

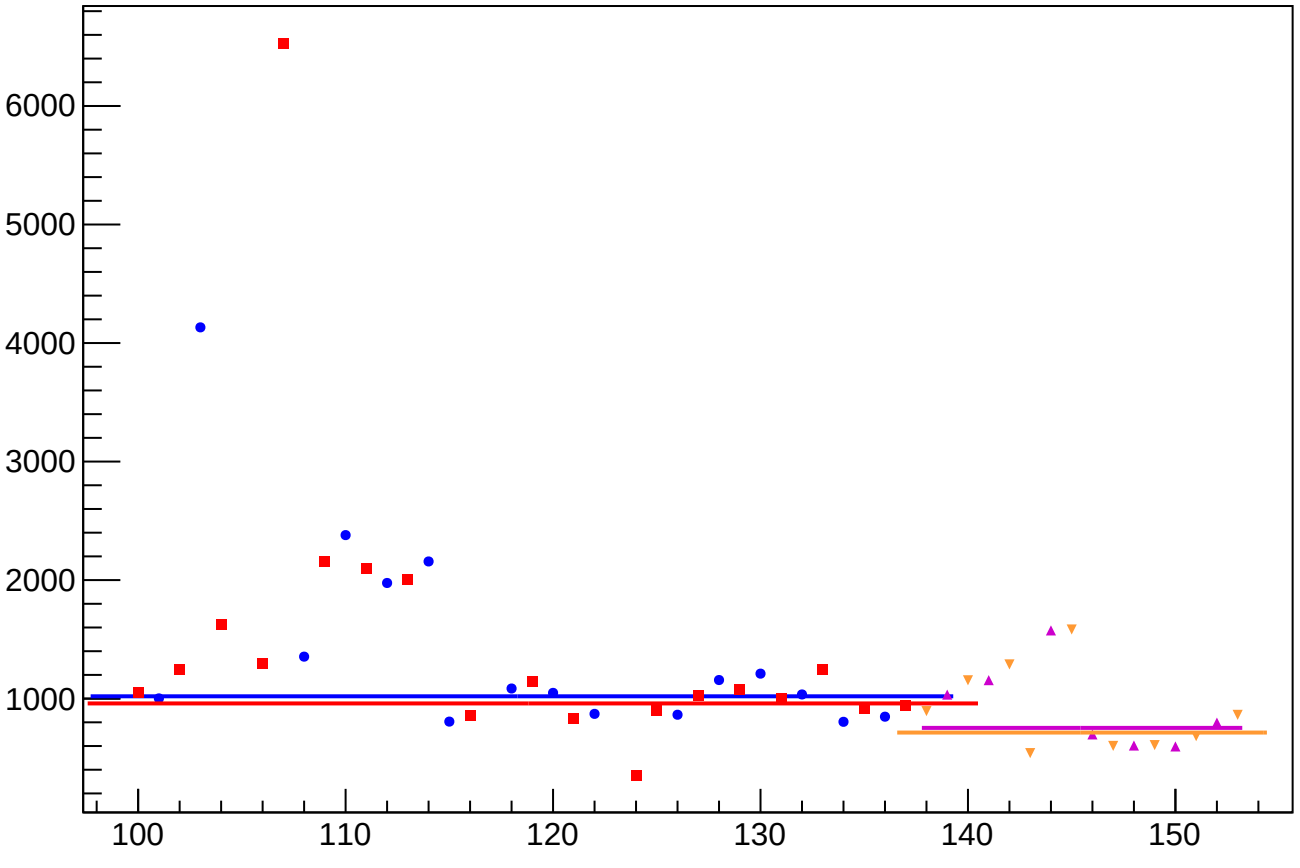
Left: 295.668+/-213.060 χ^2/NDF: 17.9/15

Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: 15.777+/-251.855 χ^2/NDF:18.5/22

Out: 214.566+/-231.809 χ^2/NDF:29.4/27

All: 123.397+/-170.561 χ^2/NDF: 48.2/50



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 713.633+/-0.201 χ^2/NDF:1269422.5/8

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 753.013+/-0.227 χ^2/NDF:1054443.0/6

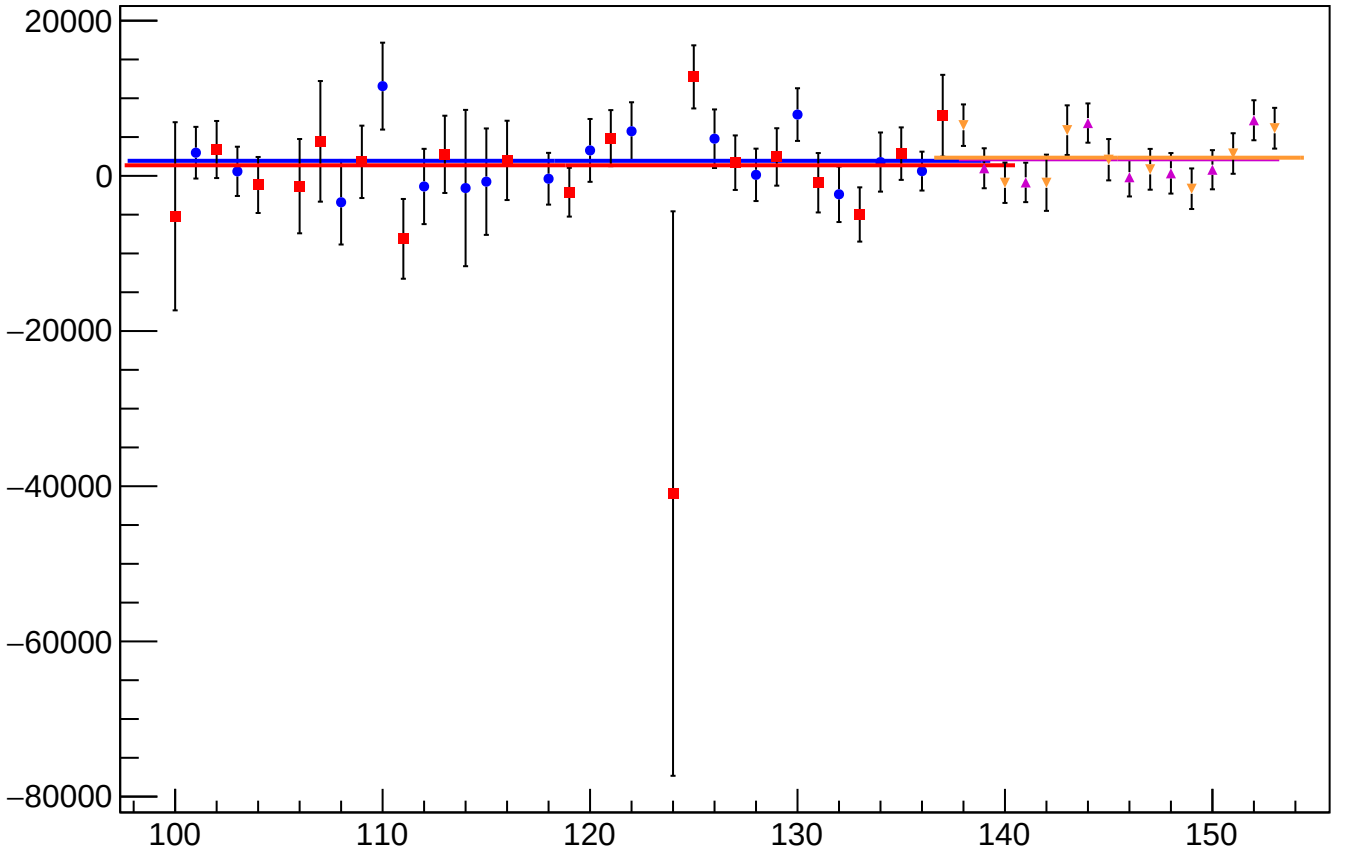
Left: 730.955+/-0.151 χ^2/NDF: 2340699.9/15

Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 855.706+/-0.178 χ^2/NDF:2949585.4/22

Out: 796.429+/-0.164 χ^2/NDF:4115902.2/27

All: 823.615+/-0.121 χ^2/NDF: 7125465.9/50



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 2340.782+/-918.817 χ^2/NDF:10.8/8

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 2134.989+/-963.147 χ^2/NDF:10.4/6

Left: 2242.730+/-664.821 χ^2/NDF: 21.3/15

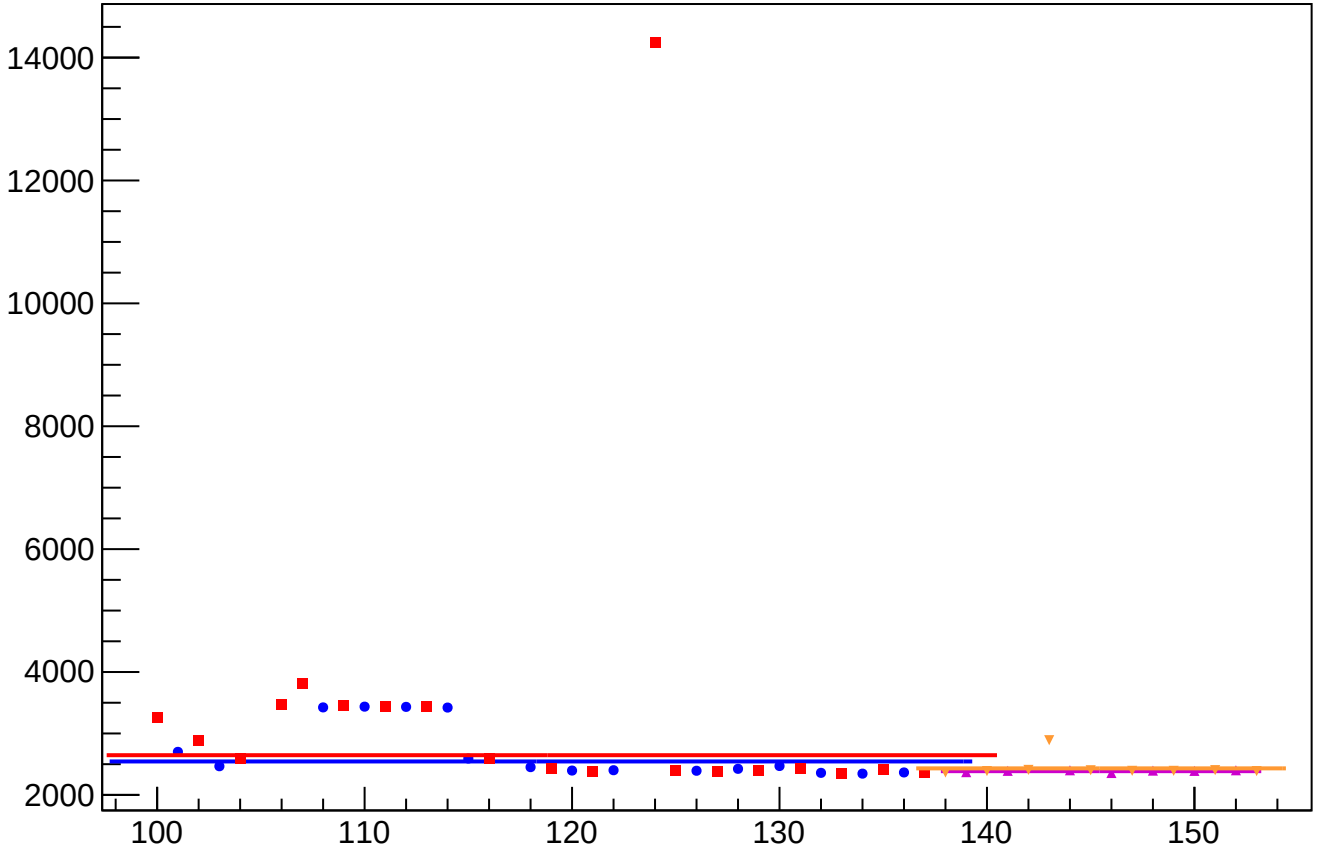
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 2036.417+/-677.265 χ^2/NDF:22.7/22

Out: 1886.090+/-672.015 χ^2/NDF:33.1/27

All: 1960.668+/-477.032 χ^2/NDF: 55.8/50

eigen_cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2431.921+/-0.650 χ^2/NDF:45070.7/8

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2386.438+/-0.681 χ^2/NDF:531.2/6

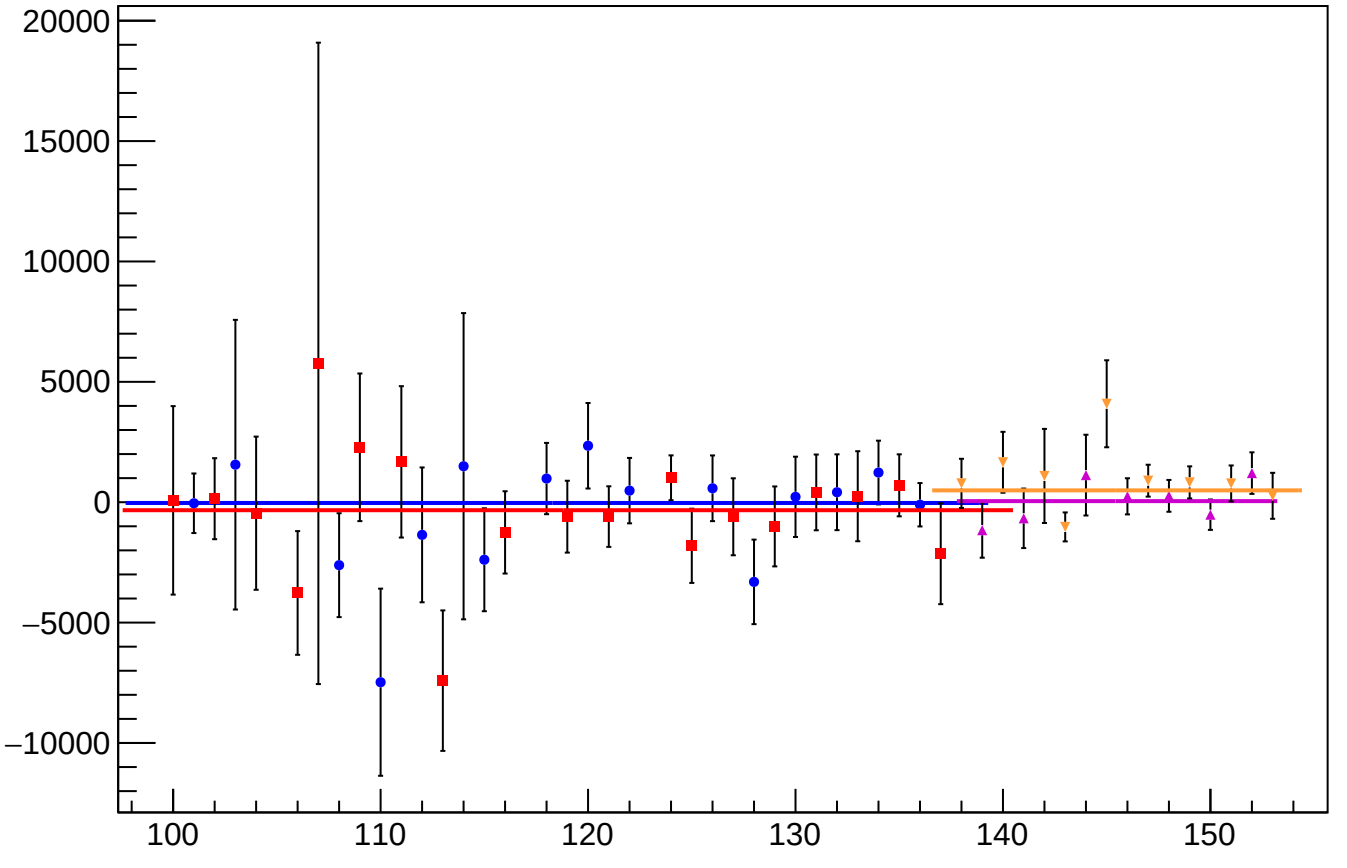
Left: 2410.250+/-0.470 χ^2/NDF: 47936.9/15

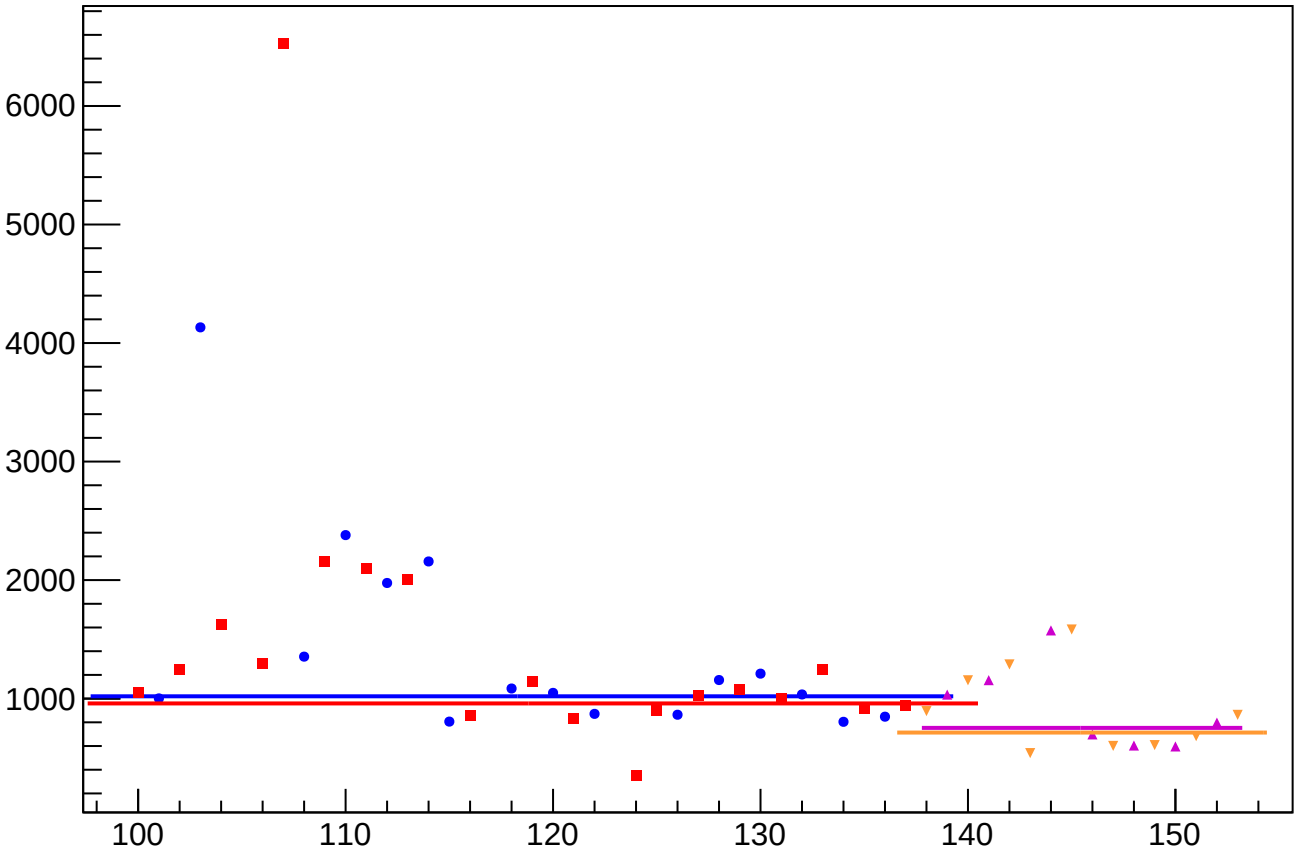
Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2466.302+/-0.479 χ^2/NDF:253346.6/22

Out: 2531.576+/-0.475 χ^2/NDF:635206.9/27

All: 2499.193+/-0.337 χ^2/NDF: 897914.8/50


asym_atl1_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: -31.253+/-405.723 χ²/NDF: 13.8/15
Left Out: 492.324+/-284.684 χ²/NDF:12.2/8
Right Out: -331.962+/-399.334 χ²/NDF: 14.4/18
Left In: 45.261+/-321.243 χ²/NDF:4.7/6
Left: 295.668+/-213.060 χ²/NDF: 17.9/15
Right: -183.994+/-284.604 χ²/NDF: 28.5/34
In: 15.777+/-251.855 χ²/NDF:18.5/22
Out: 214.566+/-231.809 χ²/NDF:29.4/27
All: 123.397+/-170.561 χ²/NDF: 48.2/50



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 713.633+/-0.201 χ^2/NDF:1269422.5/8

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 753.013+/-0.227 χ^2/NDF:1054443.0/6

Left: 730.955+/-0.151 χ^2/NDF: 2340699.9/15

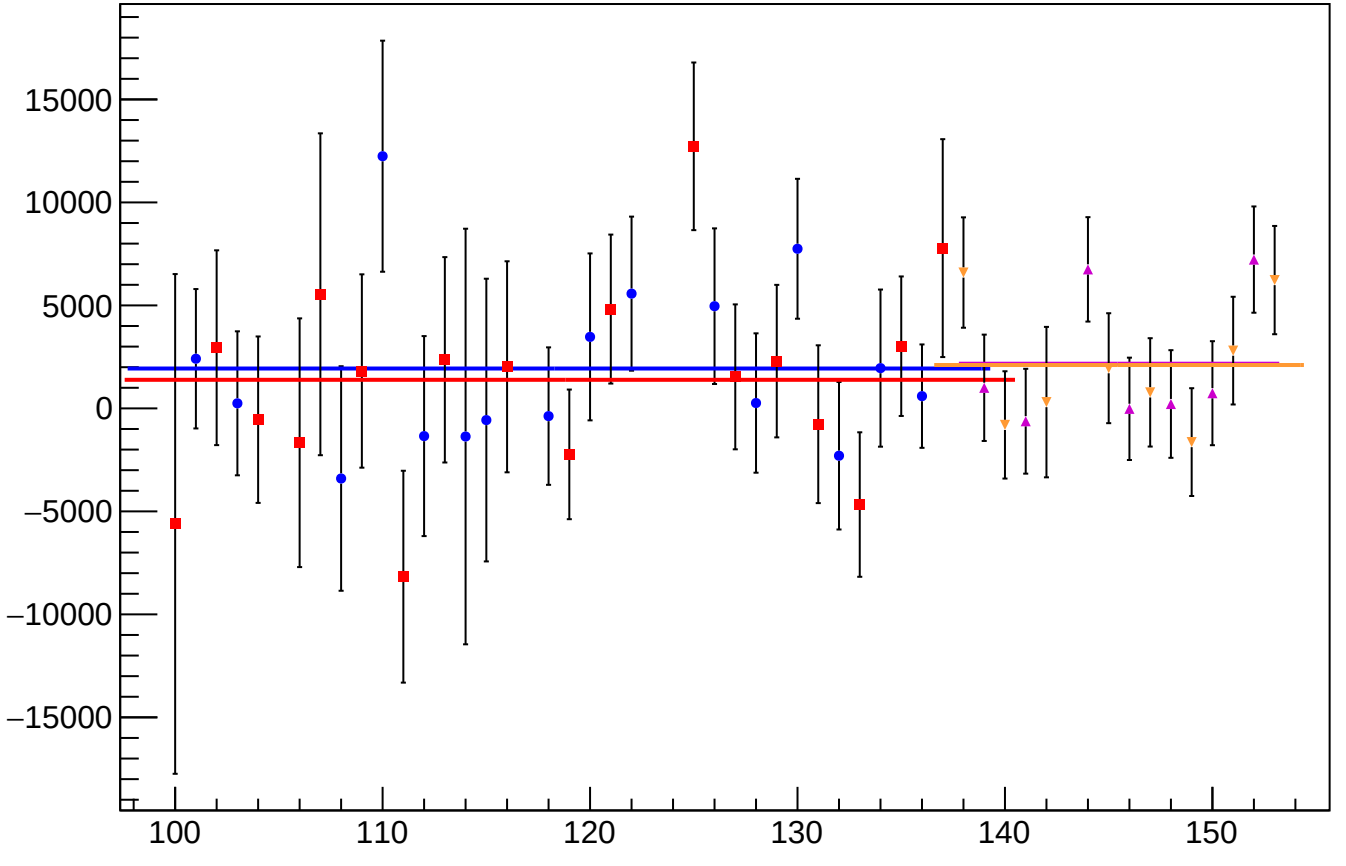
Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 855.706+/-0.178 χ^2/NDF:2949585.4/22

Out: 796.429+/-0.164 χ^2/NDF:4115902.2/27

All: 823.615+/-0.121 χ^2/NDF: 7125465.9/50

dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2106.121+/-960.651 χ^2/NDF:9.1/7

Right Out: 1387.548+/-1009.105 χ^2/NDF: 19.8/17

Left In: 2169.052+/-964.172 χ^2/NDF:10.2/6

Left: 2137.471+/-680.524 χ^2/NDF: 19.3/14

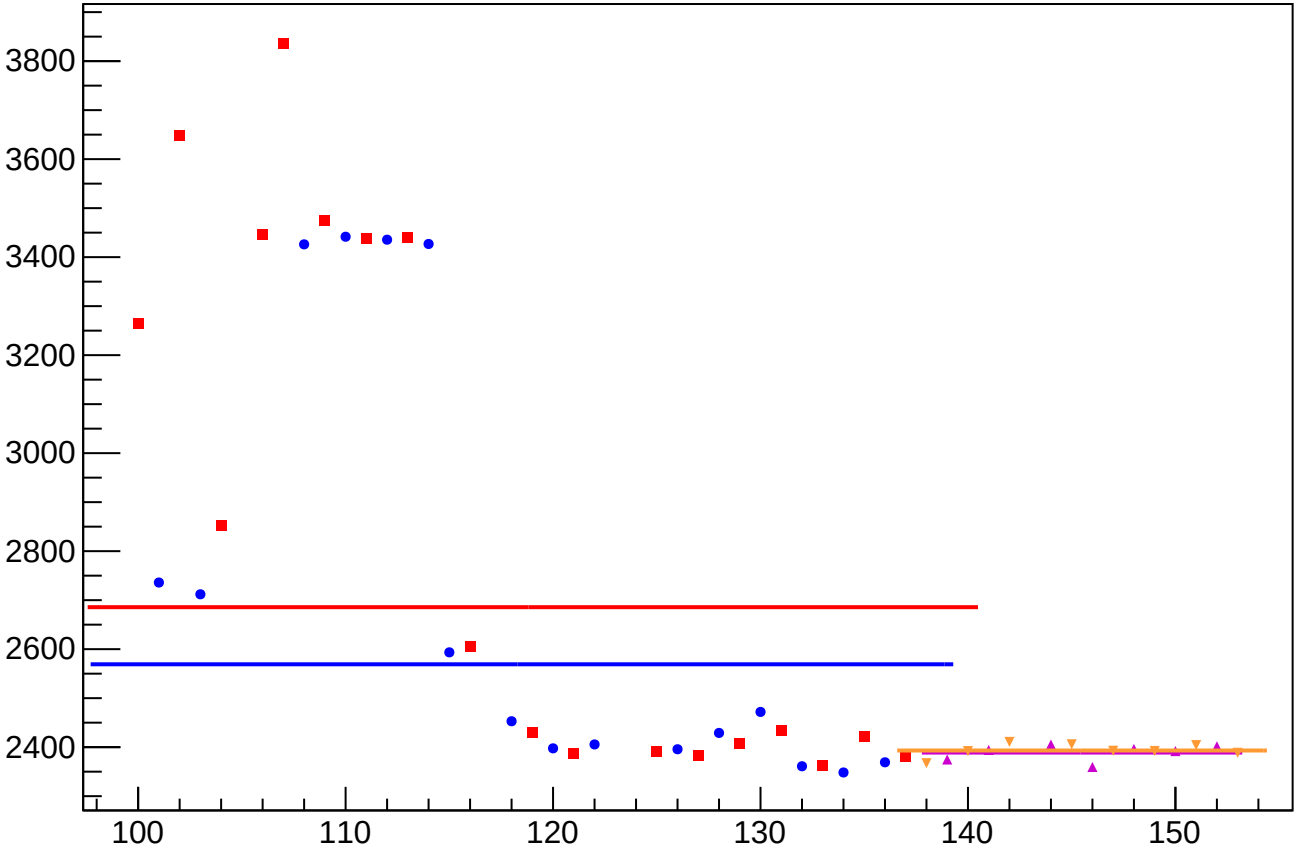
Right: 1674.777+/-696.416 χ^2/NDF: 32.3/33

In: 2052.298+/-681.118 χ^2/NDF:22.6/22

Out: 1764.500+/-695.782 χ^2/NDF:29.2/25

All: 1911.464+/-486.725 χ^2/NDF: 51.8/48

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2393.178+/-0.679 χ^2/NDF:320.9/7

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

Left In: 2388.958+/-0.682 χ^2/NDF:500.3/6

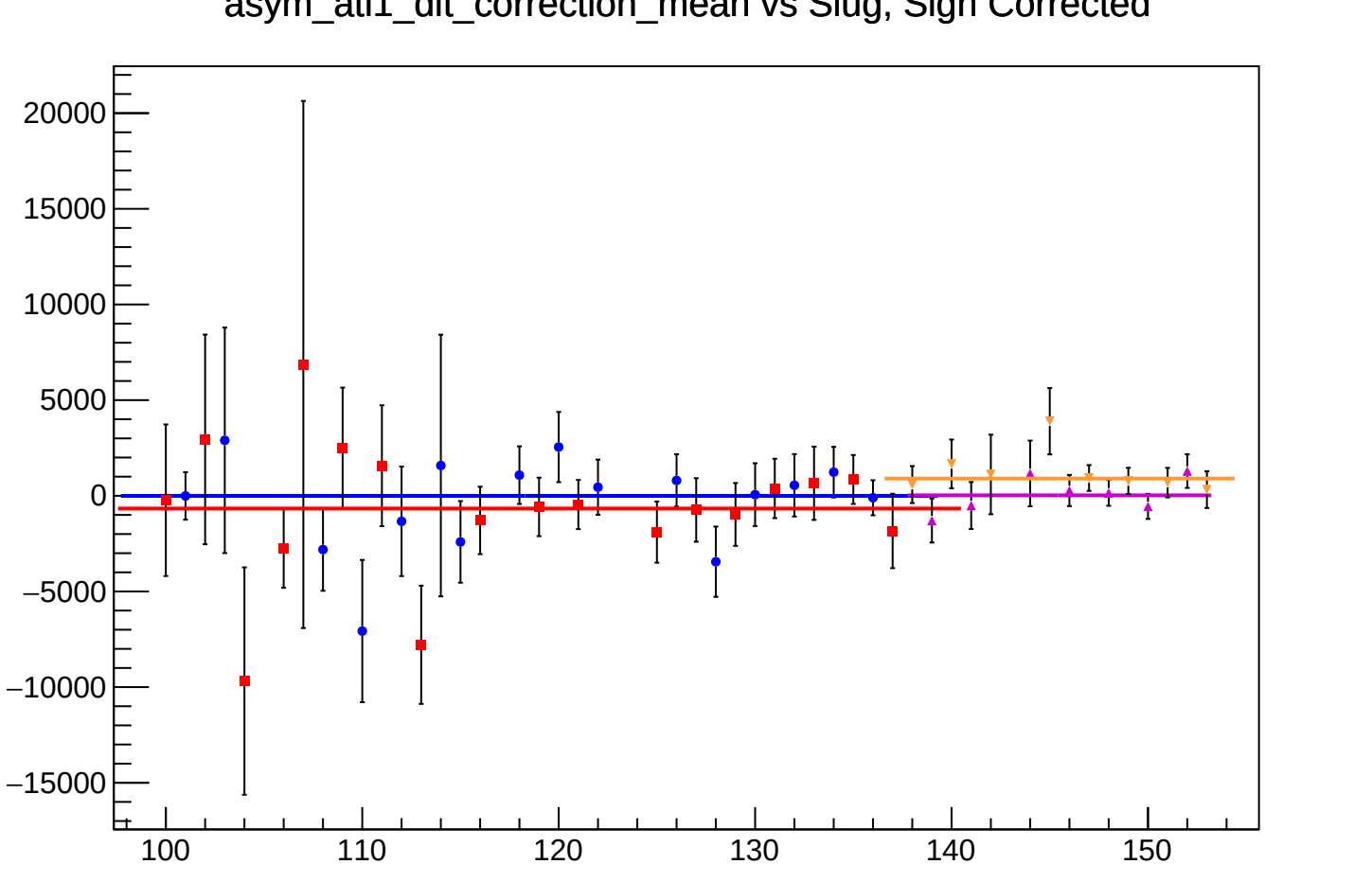
Left: 2391.076+/-0.481 χ^2/NDF: 840.4/14

Right: 2624.638+/-0.492 χ^2/NDF: 662723.7/33

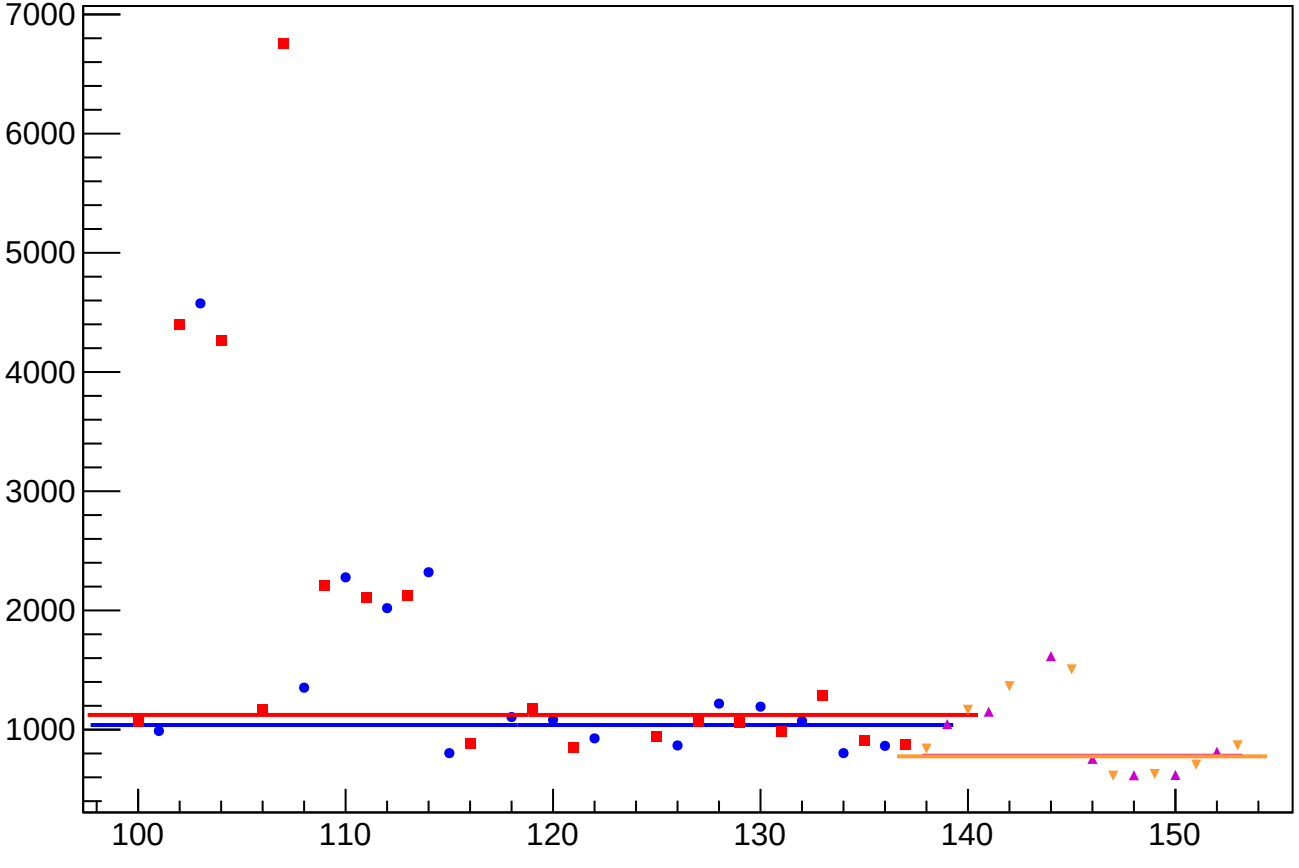
In: 2479.217+/-0.482 χ^2/NDF:264974.3/22

Out: 2532.236+/-0.492 χ^2/NDF:507733.9/25

All: 2505.162+/-0.344 χ^2/NDF: 778638.3/48


asym_atl1_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: -5.169+/-412.248 χ²/NDF: 14.5/15
Left Out: 900.816+/-327.334 χ²/NDF:3.9/7
Right Out: -665.952+/-460.513 χ²/NDF: 14.4/17
Left In: 23.656+/-331.729 χ²/NDF:4.9/6
Left: 468.085+/-232.999 χ²/NDF: 12.4/14
Right: -299.130+/-307.154 χ²/NDF: 30.0/33
In: 12.327+/-258.446 χ²/NDF:19.4/22
Out: 374.922+/-266.801 χ²/NDF:26.0/25
All: 187.858+/-185.632 χ²/NDF: 46.4/48

asym_atl1_dit_correction_rms vs Slug, Sign Corrected



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 775.867+/-0.231 χ^2/NDF:955352.0/7

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 780.857+/-0.235 χ^2/NDF:1004908.9/6

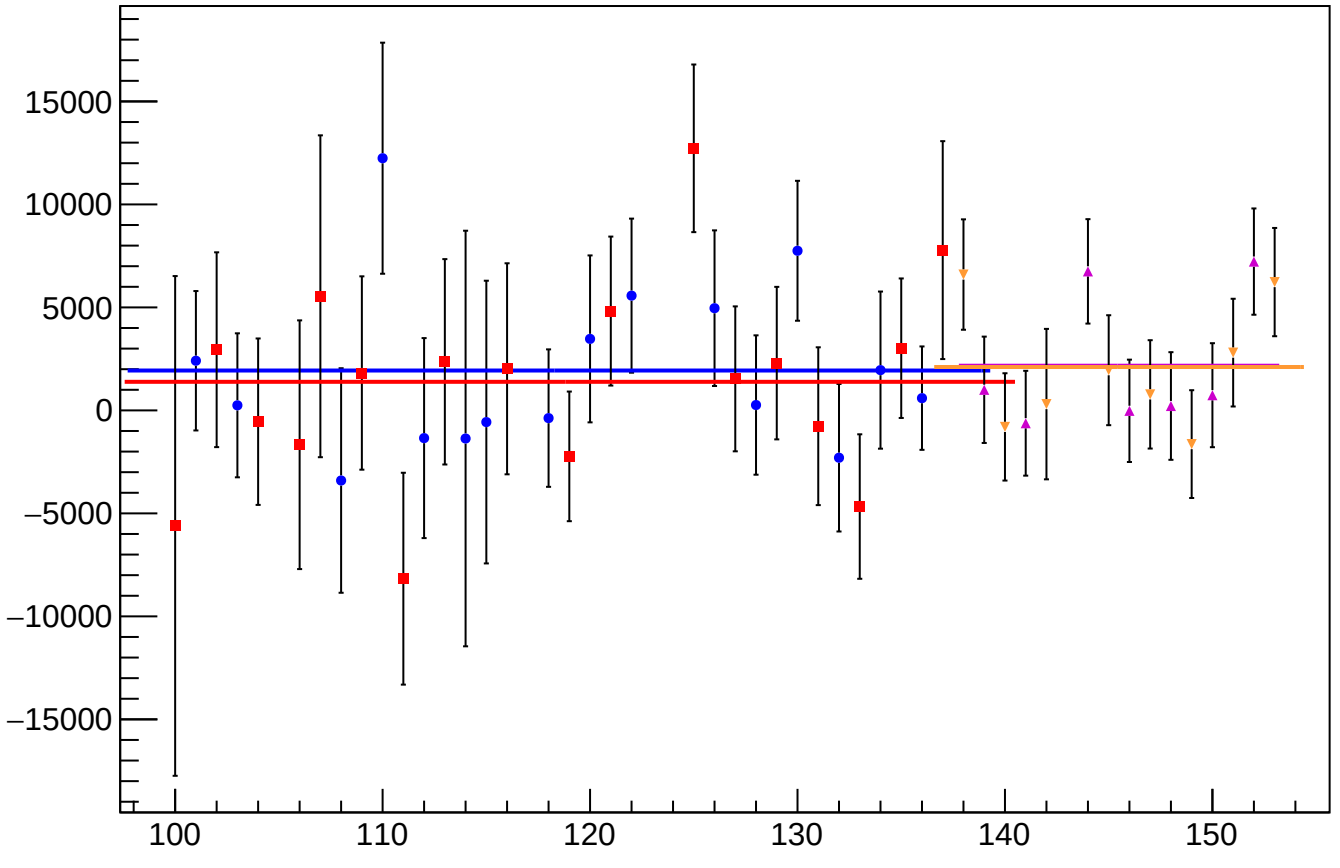
Left: 778.329+/-0.165 χ^2/NDF: 1960490.2/14

Right: 1076.470+/-0.217 χ^2/NDF: 4112776.2/33

In: 882.236+/-0.183 χ^2/NDF:3019909.9/22

Out: 892.543+/-0.189 χ^2/NDF:4247903.9/25

All: 887.226+/-0.131 χ^2/NDF: 7269353.6/48



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 2106.124+/-960.651 χ^2/NDF:9.1/7

Right Out: 1387.545+/-1009.105 χ^2/NDF: 19.8/17

Left In: 2169.051+/-964.172 χ^2/NDF:10.2/6

Left: 2137.472+/-680.524 χ^2/NDF: 19.3/14

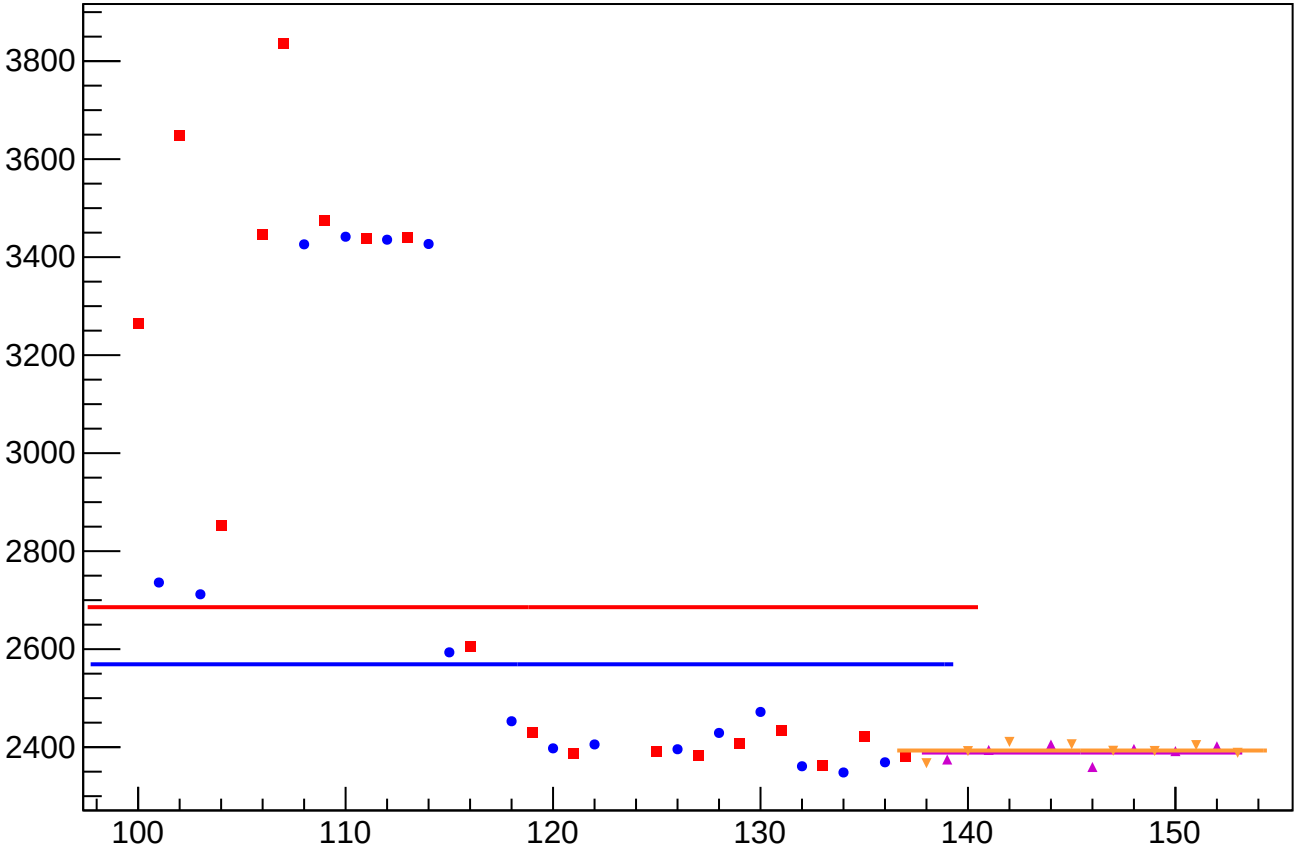
Right: 1674.774+/-696.416 χ^2/NDF: 32.3/33

In: 2052.296+/-681.118 χ^2/NDF:22.6/22

Out: 1764.500+/-695.782 χ^2/NDF:29.2/25

All: 1911.463+/-486.725 χ^2/NDF: 51.8/48

eigen_dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2393.178+/-0.679 χ^2/NDF:320.9/7

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

Left In: 2388.958+/-0.682 χ^2/NDF:500.3/6

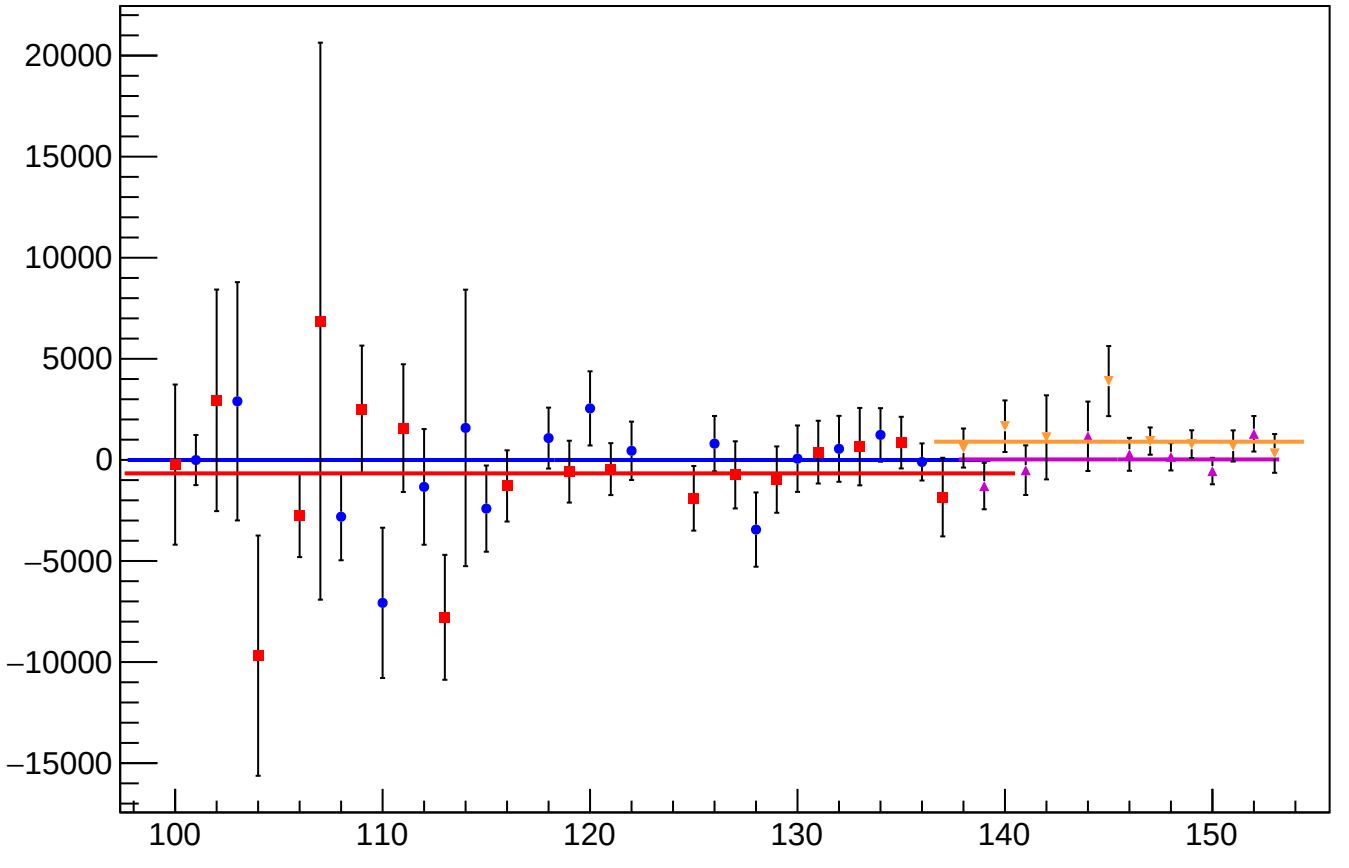
Left: 2391.076+/-0.481 χ^2/NDF: 840.4/14

Right: 2624.638+/-0.492 χ^2/NDF: 662722.8/33

In: 2479.217+/-0.482 χ^2/NDF:264973.9/22

Out: 2532.235+/-0.492 χ^2/NDF:507733.1/25

All: 2505.161+/-0.344 χ^2/NDF: 778637.1/48



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 900.817+/-327.334 χ^2/NDF:3.9/7

Right Out: -665.953+/-460.513 χ^2/NDF: 14.4/17

Left In: 23.656+/-331.730 χ^2/NDF:4.9/6

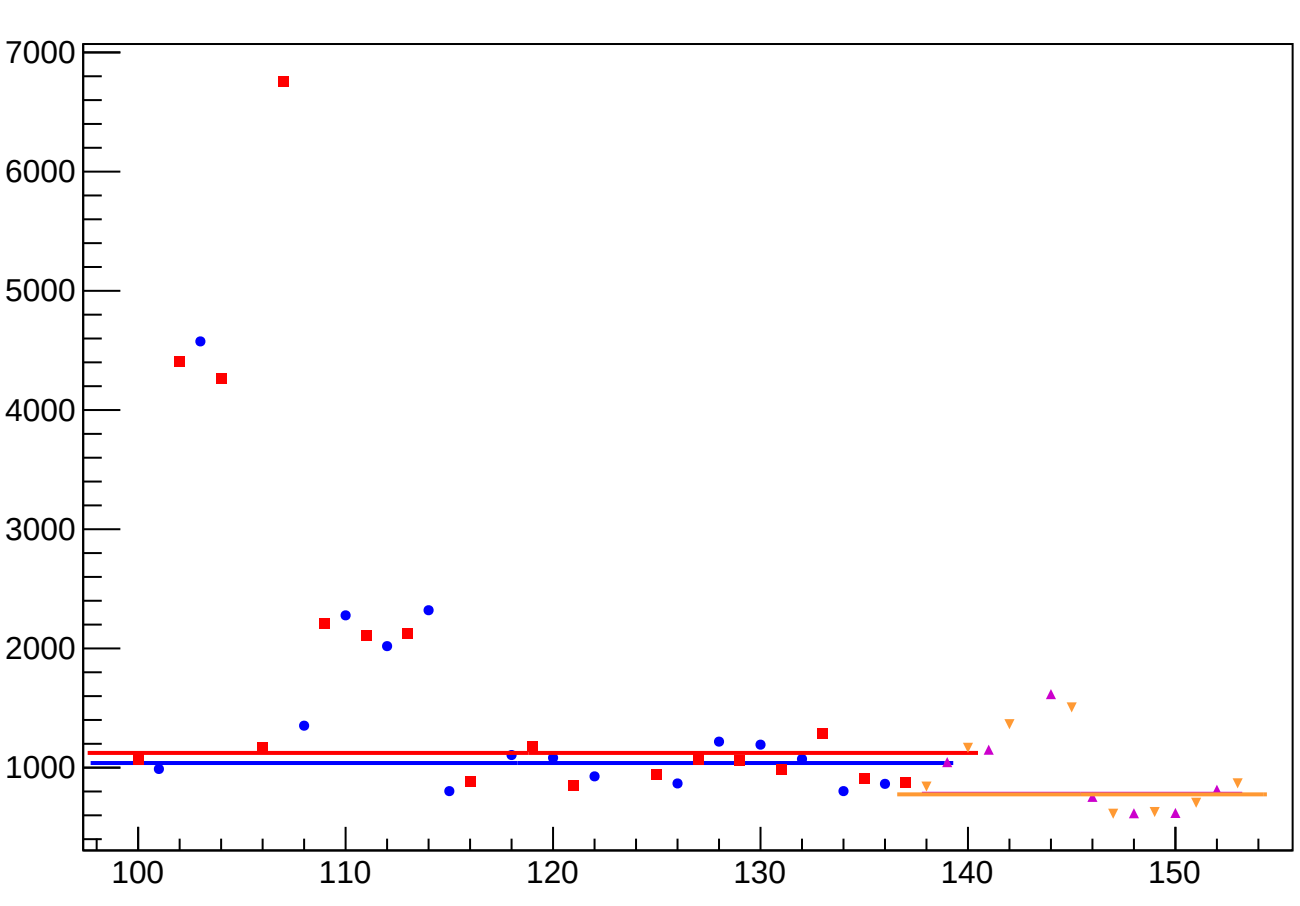
Left: 468.086+/-232.999 χ^2/NDF: 12.4/14

Right: -299.132+/-307.154 χ^2/NDF: 30.0/33

In: 12.326+/-258.446 χ^2/NDF:19.4/22

Out: 374.922+/-266.802 χ^2/NDF:26.0/25

All: 187.857+/-185.633 χ^2/NDF: 46.4/48



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 775.868+/-0.231 χ^2/NDF:955349.5/7

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

Left In: 780.858+/-0.235 χ^2/NDF:1004906.3/6

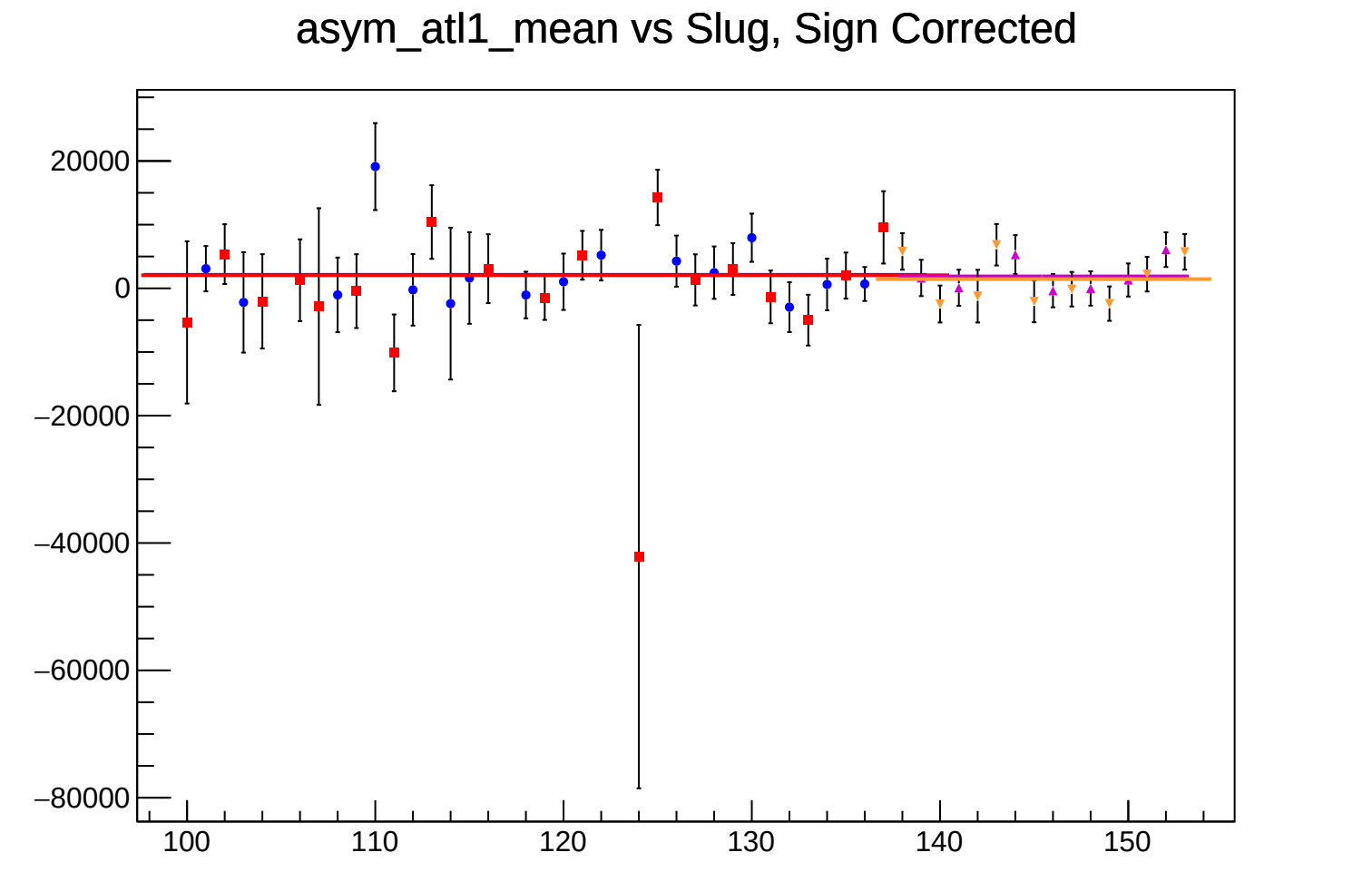
Left: 778.330+/-0.165 χ^2/NDF: 1960485.1/14

Right: 1076.471+/-0.217 χ^2/NDF: 4112767.4/33

In: 882.238+/-0.183 χ^2/NDF:3019898.0/22

Out: 892.544+/-0.189 χ^2/NDF:4247893.9/25

All: 887.227+/-0.131 χ^2/NDF: 7269331.6/48



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 1446.003+/-990.161 χ^2/NDF:13.2/8

Right Out: 2059.741+/-1136.807 χ^2/NDF: 24.3/18

Left In: 1878.064+/-1042.274 χ^2/NDF:5.3/6

Left: 1650.962+/-717.866 χ^2/NDF: 18.6/15

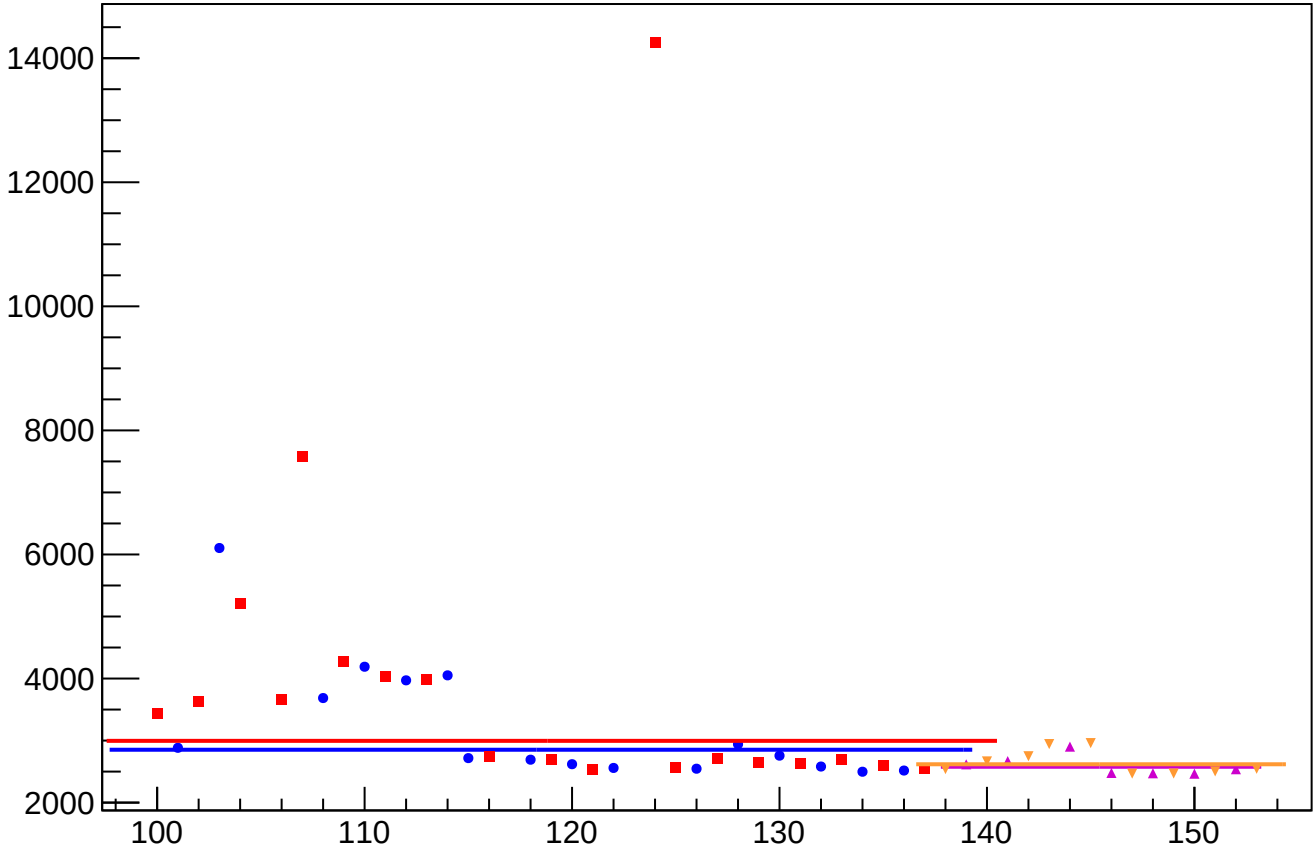
Right: 2092.326+/-784.773 χ^2/NDF: 37.7/34

In: 1995.164+/-751.550 χ^2/NDF:18.7/22

Out: 1710.757+/-746.650 χ^2/NDF:37.7/27

All: 1852.030+/-529.685 χ^2/NDF: 56.4/50

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2618.058+/-0.700 χ^2/NDF:62510.2/8

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

Left In: 2577.855+/-0.737 χ^2/NDF:34951.6/6

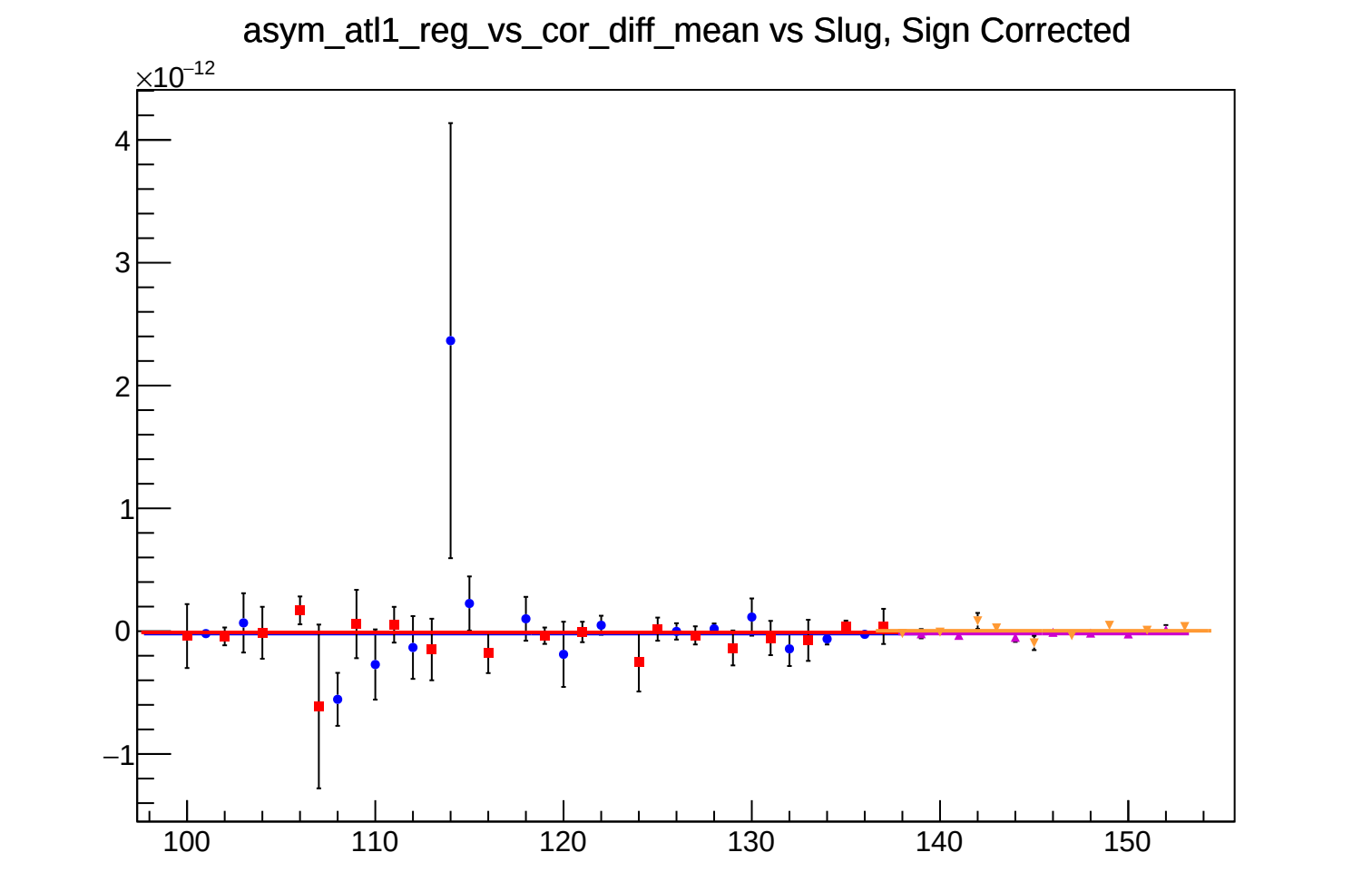
Left: 2598.987+/-0.508 χ^2/NDF: 99025.9/15

Right: 2920.506+/-0.555 χ^2/NDF: 1644523.2/34

In: 2709.560+/-0.531 χ^2/NDF:750190.6/22

Out: 2780.890+/-0.528 χ^2/NDF:1167061.2/27

All: 2745.458+/-0.375 χ^2/NDF: 1926318.7/50



Right In: -0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.3/8

Right Out: -0.000+/-0.000 χ^2/NDF: 8.3/18

Left In: -0.000+/-0.000 χ^2/NDF:1.7/6

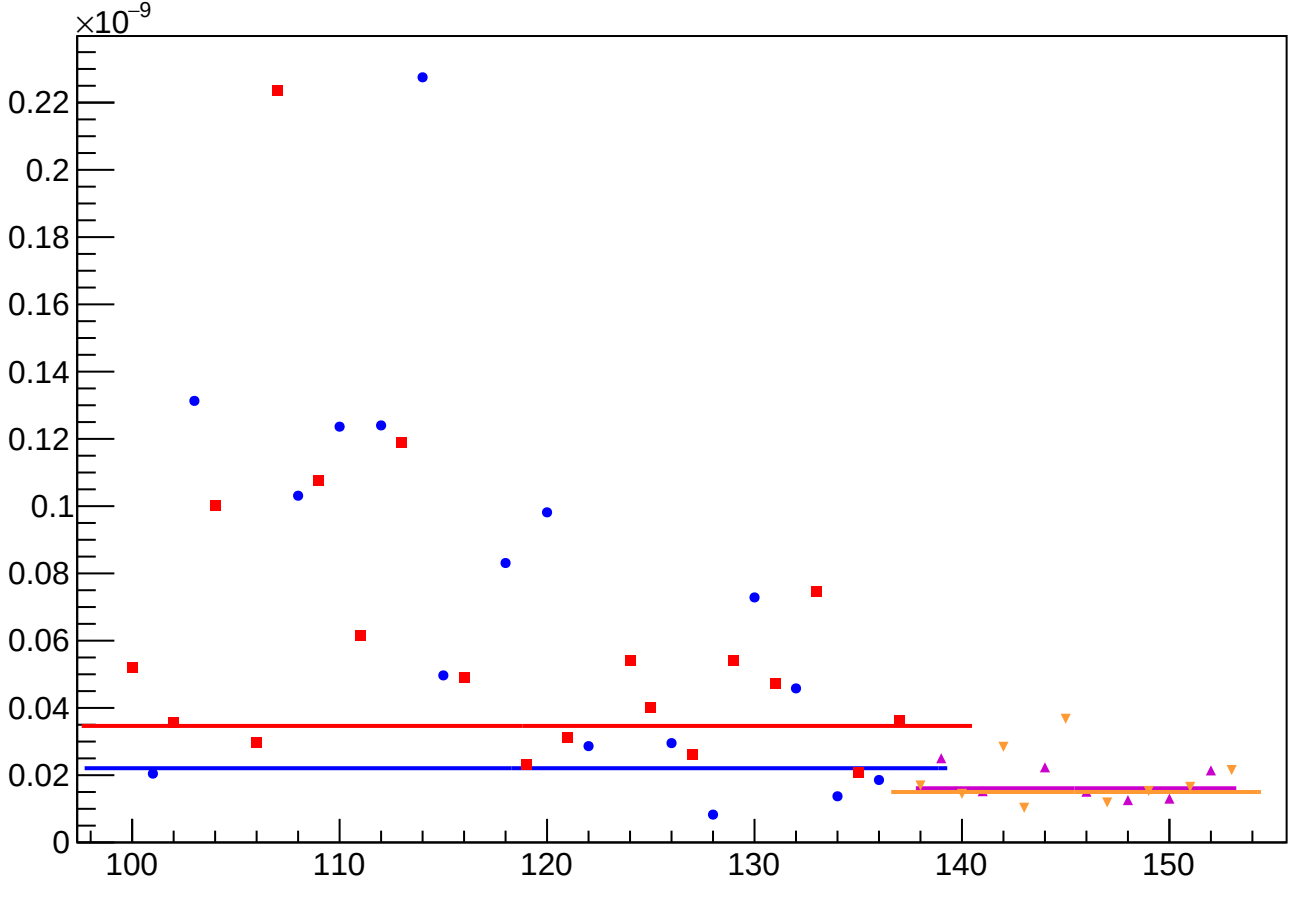
Left: -0.000+/-0.000 χ^2/NDF: 17.5/15

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:17.2/22

Out: 0.000+/-0.000 χ^2/NDF:21.9/27

All: -0.000+/-0.000 χ^2/NDF: 41.8/50



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:606748.9/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

Left In: 0.000+/-0.000 χ^2/NDF:291205.2/6

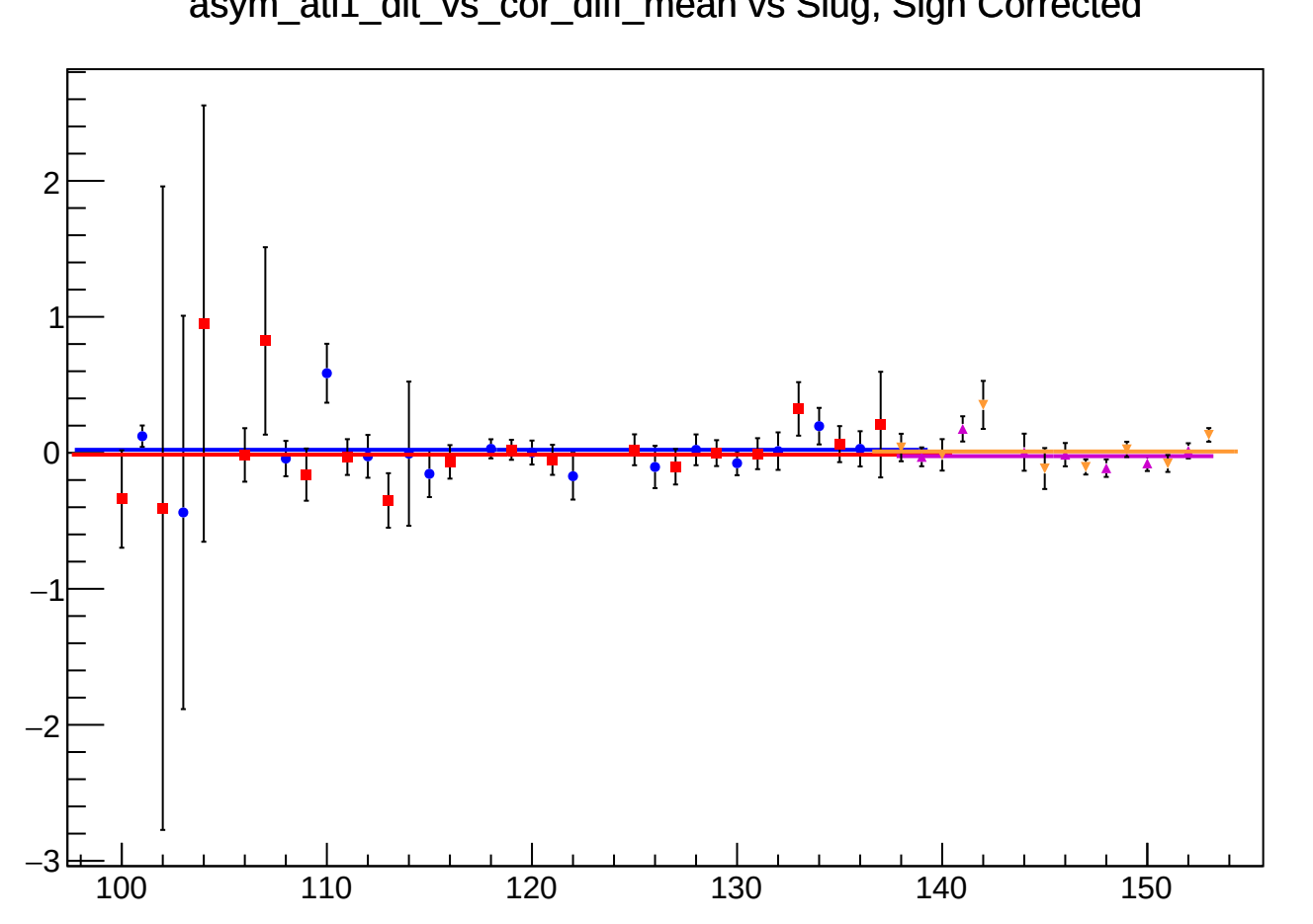
Left: 0.000+/-0.000 χ^2/NDF: 909611.7/15

Right: 0.000+/-0.000 χ^2/NDF: 3942150.2/34

In: 0.000+/-0.000 χ^2/NDF:2806197.8/22

Out: 0.000+/-0.000 χ^2/NDF:2977385.5/27

All: 0.000+/-0.000 χ^2/NDF: 5785112.5/50



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.025 χ^2/NDF:16.8/7

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: -0.024+/-0.027 χ^2/NDF:8.0/6

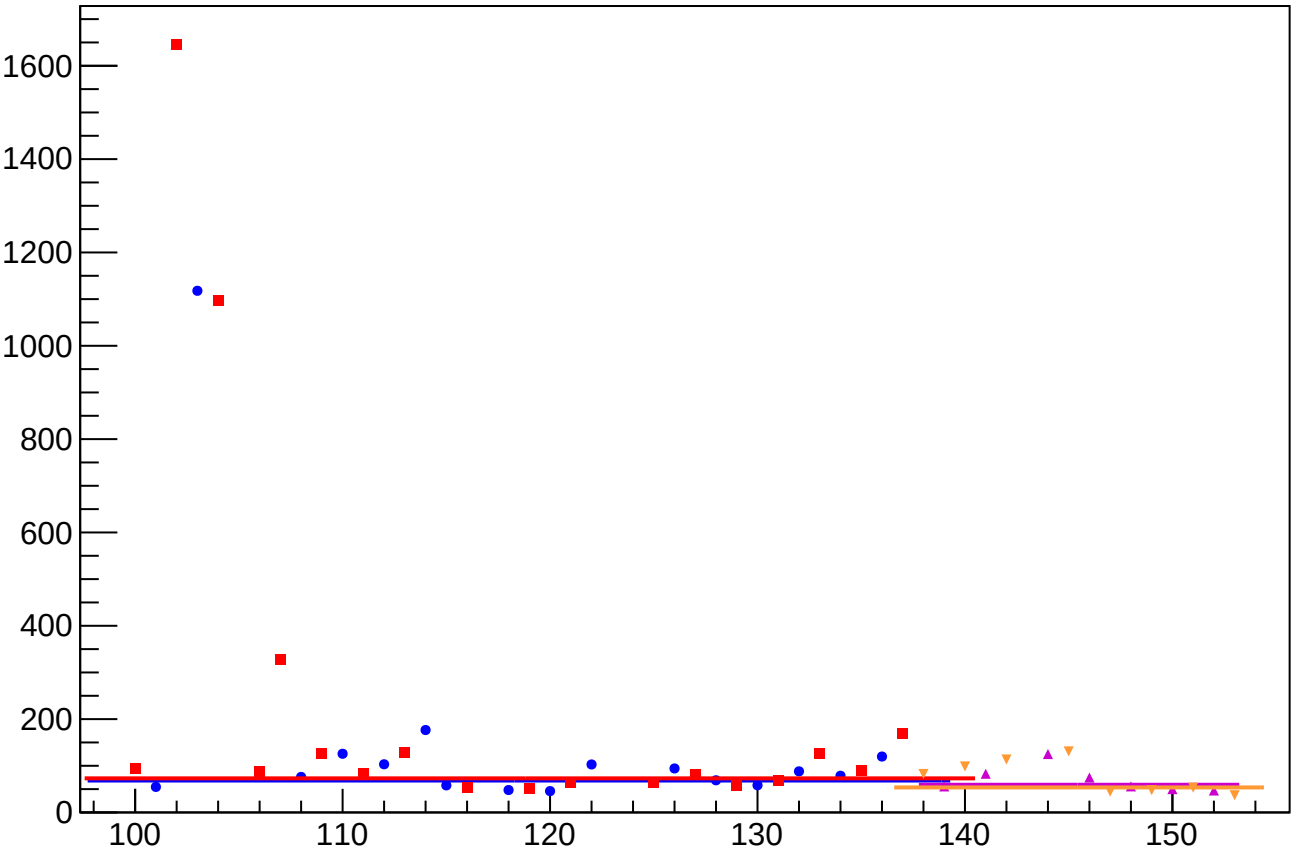
Left: -0.006+/-0.018 χ^2/NDF: 25.6/14

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: -0.004+/-0.020 χ^2/NDF:24.1/22

Out: 0.001+/-0.020 χ^2/NDF:27.9/25

All: -0.001+/-0.014 χ^2/NDF: 52.1/48



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 53.617+/-0.018 χ^2/NDF:1516114.3/7

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 59.328+/-0.019 χ^2/NDF:825460.6/6

Left: 56.321+/-0.013 χ^2/NDF: 2389357.1/14

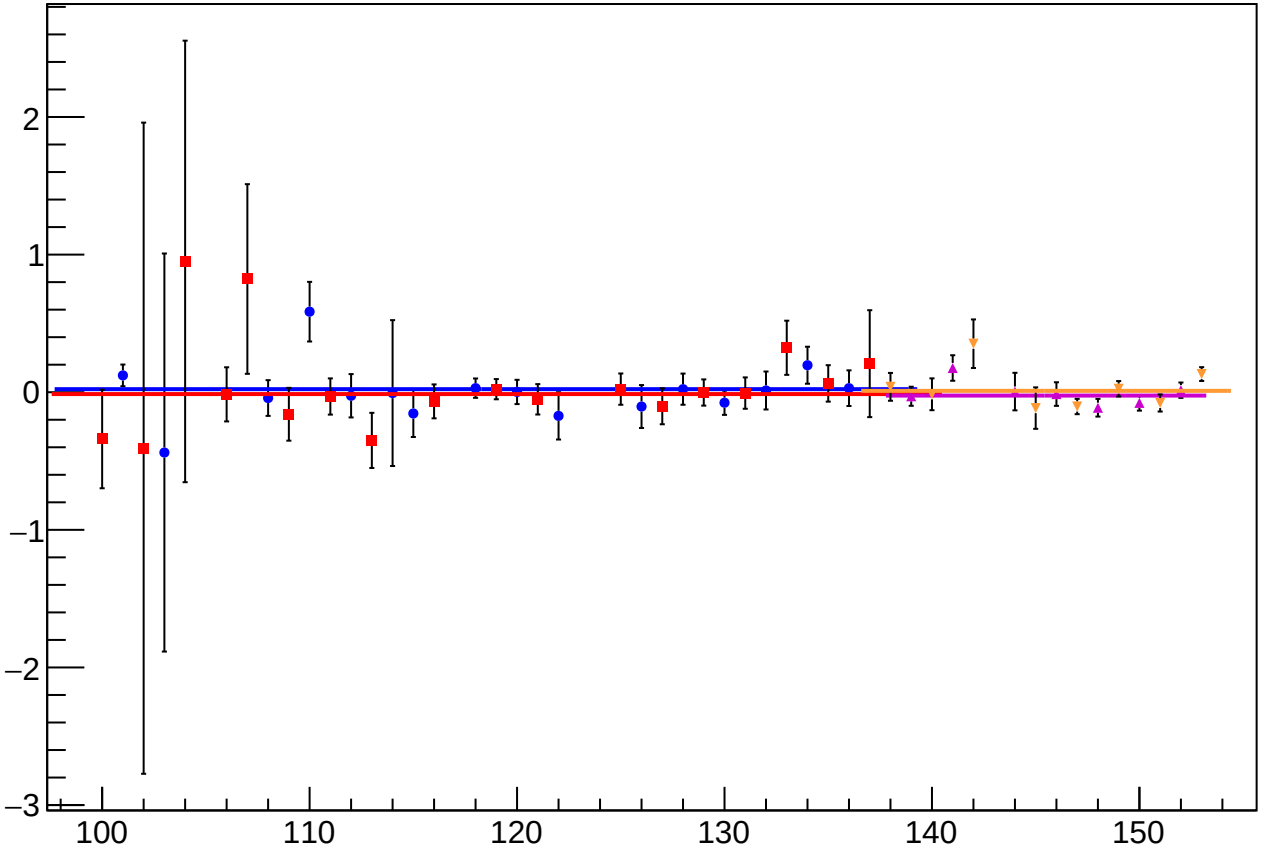
Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 63.347+/-0.014 χ^2/NDF:3205312.9/22

Out: 60.733+/-0.014 χ^2/NDF:4857620.1/25

All: 62.054+/-0.010 χ^2/NDF: 8079769.8/48

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: 0.010+/-0.025 χ^2/NDF:16.8/7

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: -0.024+/-0.027 χ^2/NDF:8.0/6

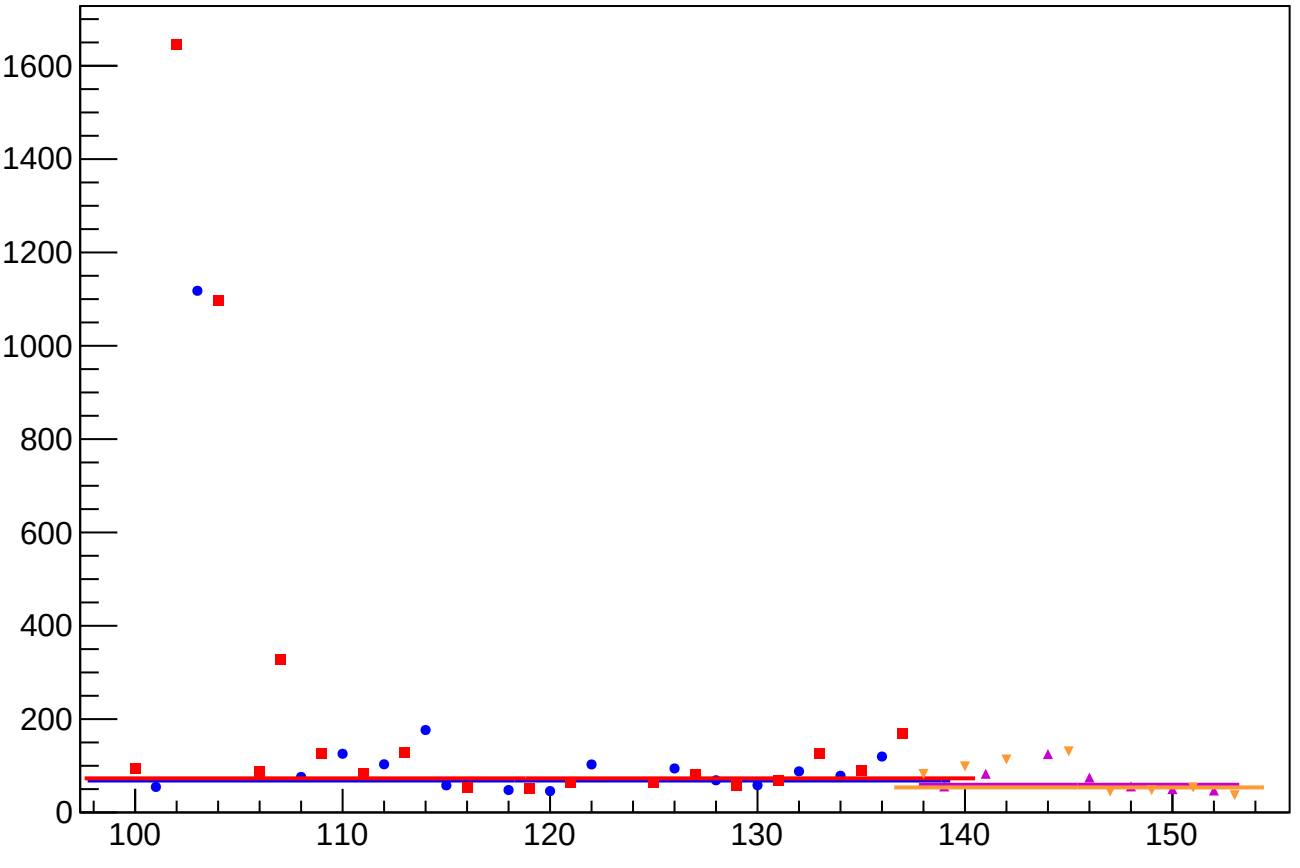
Left: -0.006+/-0.018 χ^2/NDF: 25.6/14

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: -0.004+/-0.020 χ^2/NDF:24.1/22

Out: 0.001+/-0.020 χ^2/NDF:27.9/25

All: -0.001+/-0.014 χ^2/NDF: 52.1/48



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 53.617+/-0.018 χ^2/NDF:1516114.3/7

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 59.328+/-0.019 χ^2/NDF:825460.6/6

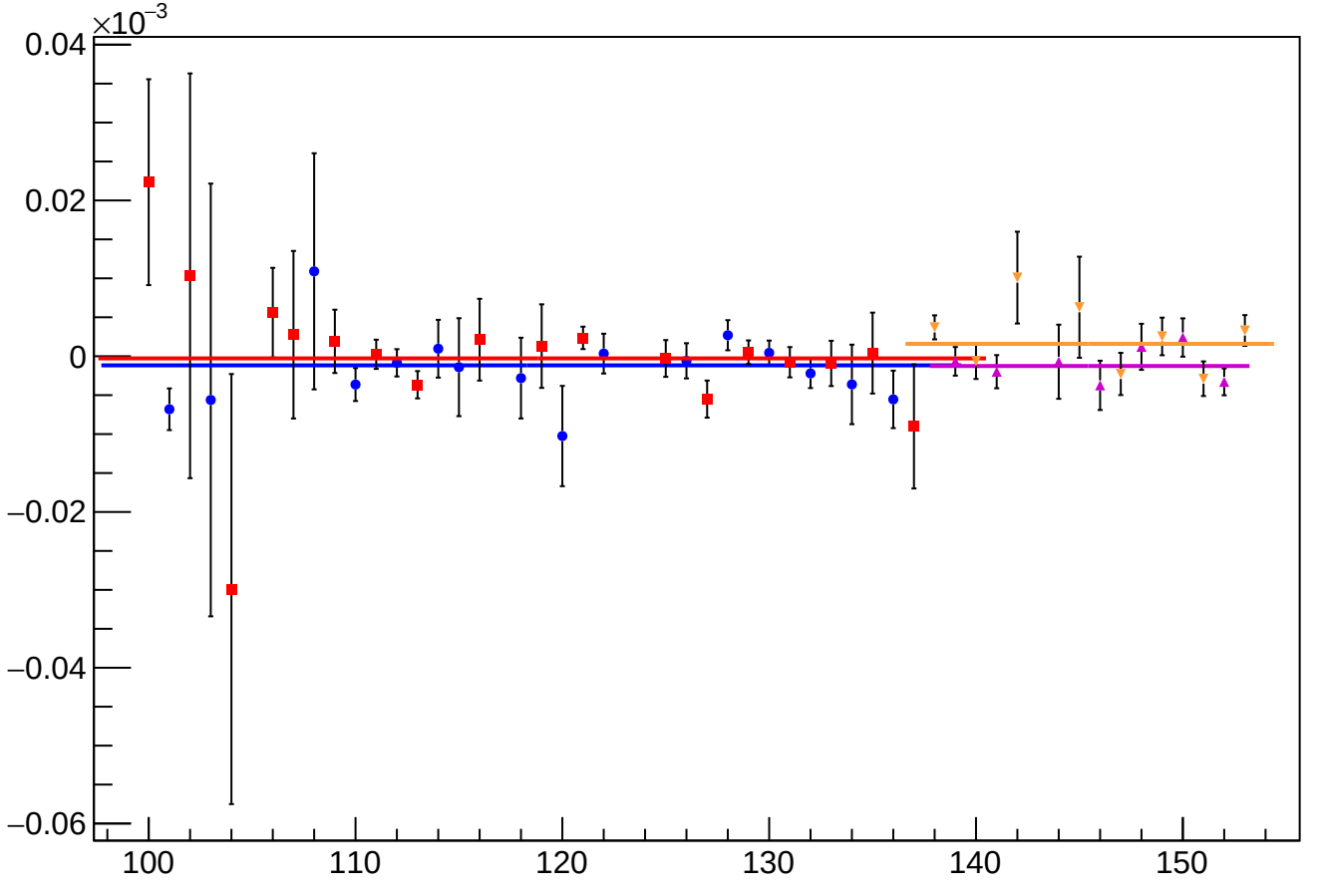
Left: 56.321+/-0.013 χ^2/NDF: 2389357.1/14

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 63.347+/-0.014 χ^2/NDF:3205312.9/22

Out: 60.733+/-0.014 χ^2/NDF:4857620.1/25

All: 62.054+/-0.010 χ^2/NDF: 8079769.8/48



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.4/7

Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:5.1/6

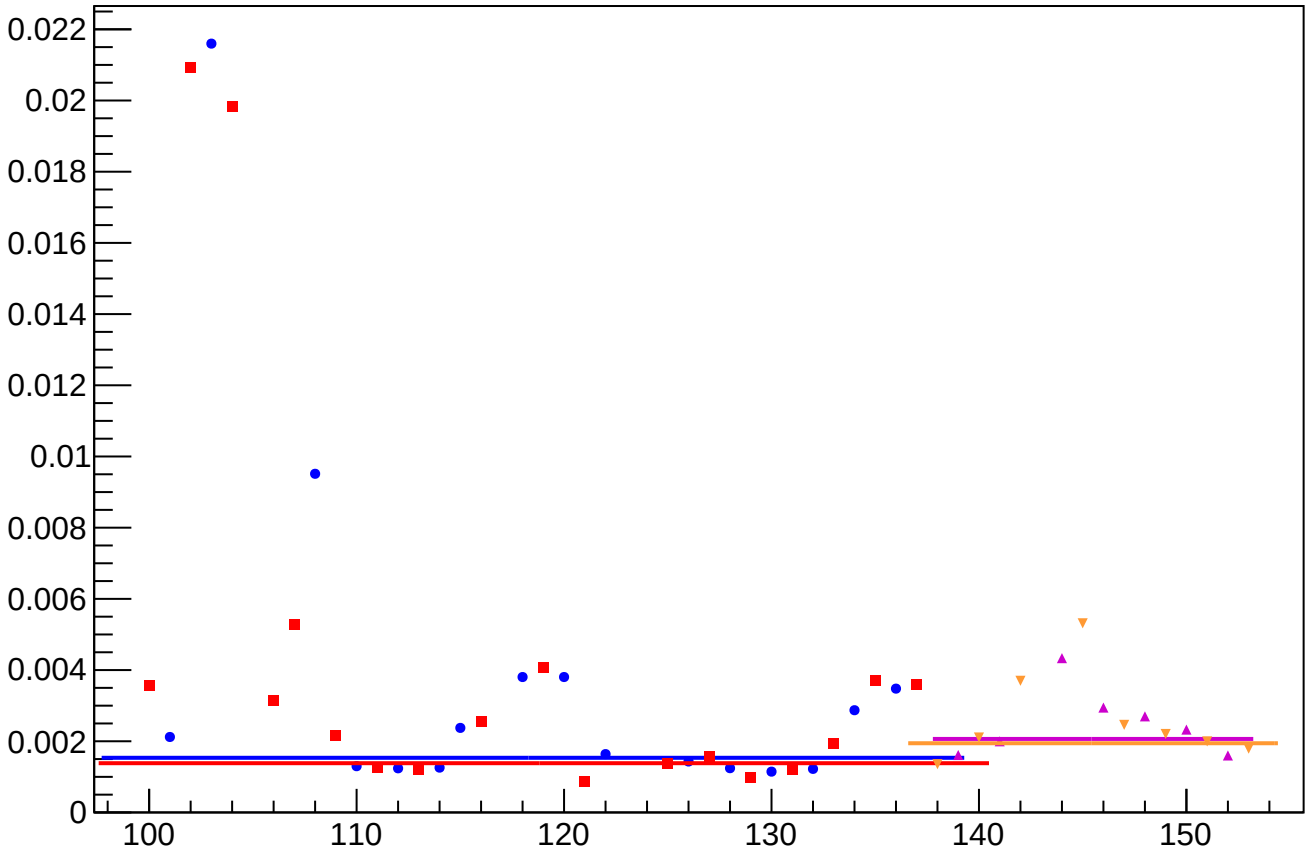
Left: 0.000+/-0.000 χ^2/NDF: 23.0/14

Right: -0.000+/-0.000 χ^2/NDF: 36.8/33

In: -0.000+/-0.000 χ^2/NDF:21.5/22

Out: 0.000+/-0.000 χ^2/NDF:35.1/25

All: -0.000+/-0.000 χ^2/NDF: 61.4/48



Right In: 0.002+/-0.000 χ^2/NDF: 3373907.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1125644.8/7

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

Left In: 0.002+/-0.000 χ^2/NDF:992436.1/6

Left: 0.002+/-0.000 χ^2/NDF: 2137817.1/14

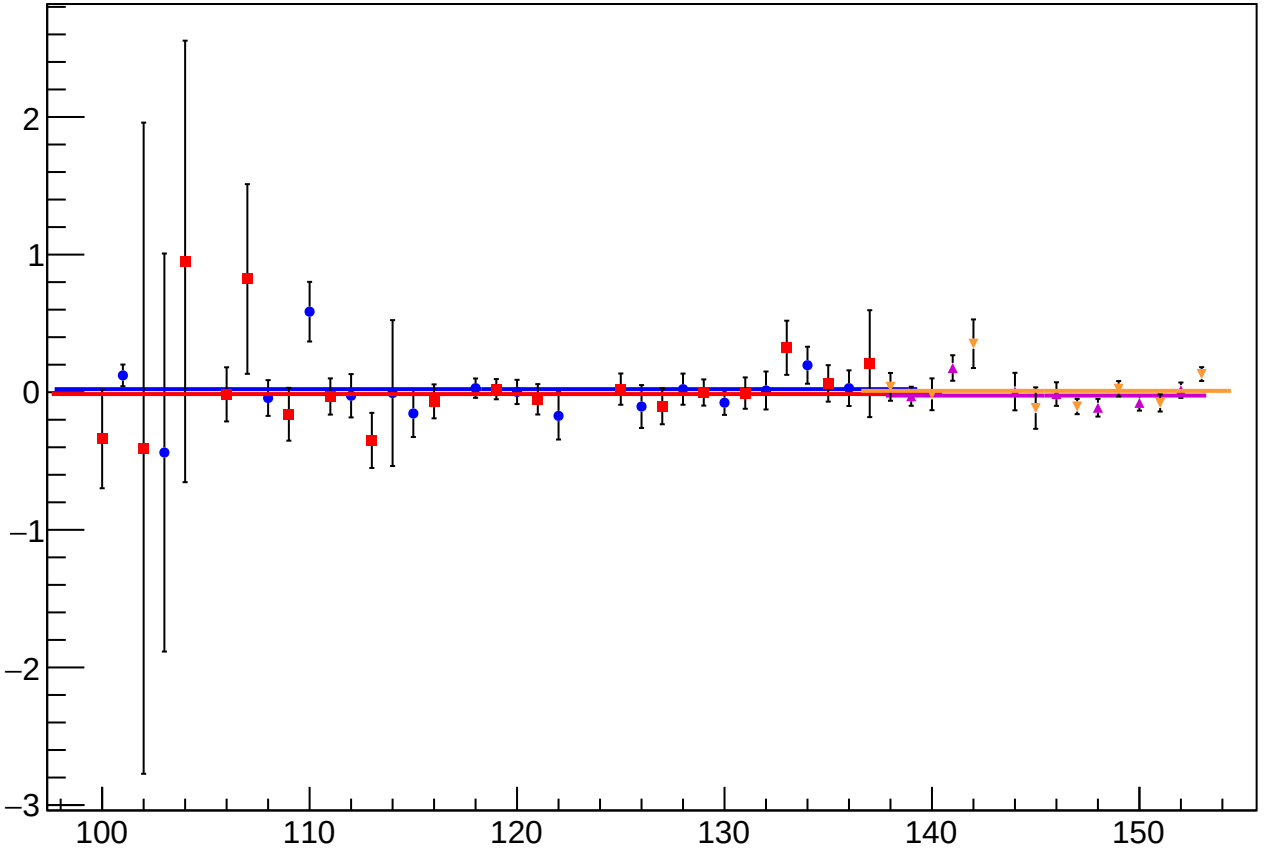
Right: 0.001+/-0.000 χ^2/NDF: 7697891.2/33

In: 0.002+/-0.000 χ^2/NDF:4824330.4/22

Out: 0.002+/-0.000 χ^2/NDF:5966122.8/25

All: 0.002+/-0.000 χ^2/NDF: 10861924.2/48

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.025 χ^2/NDF:16.8/7

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: -0.024+/-0.027 χ^2/NDF:8.0/6

Left: -0.006+/-0.018 χ^2/NDF: 25.6/14

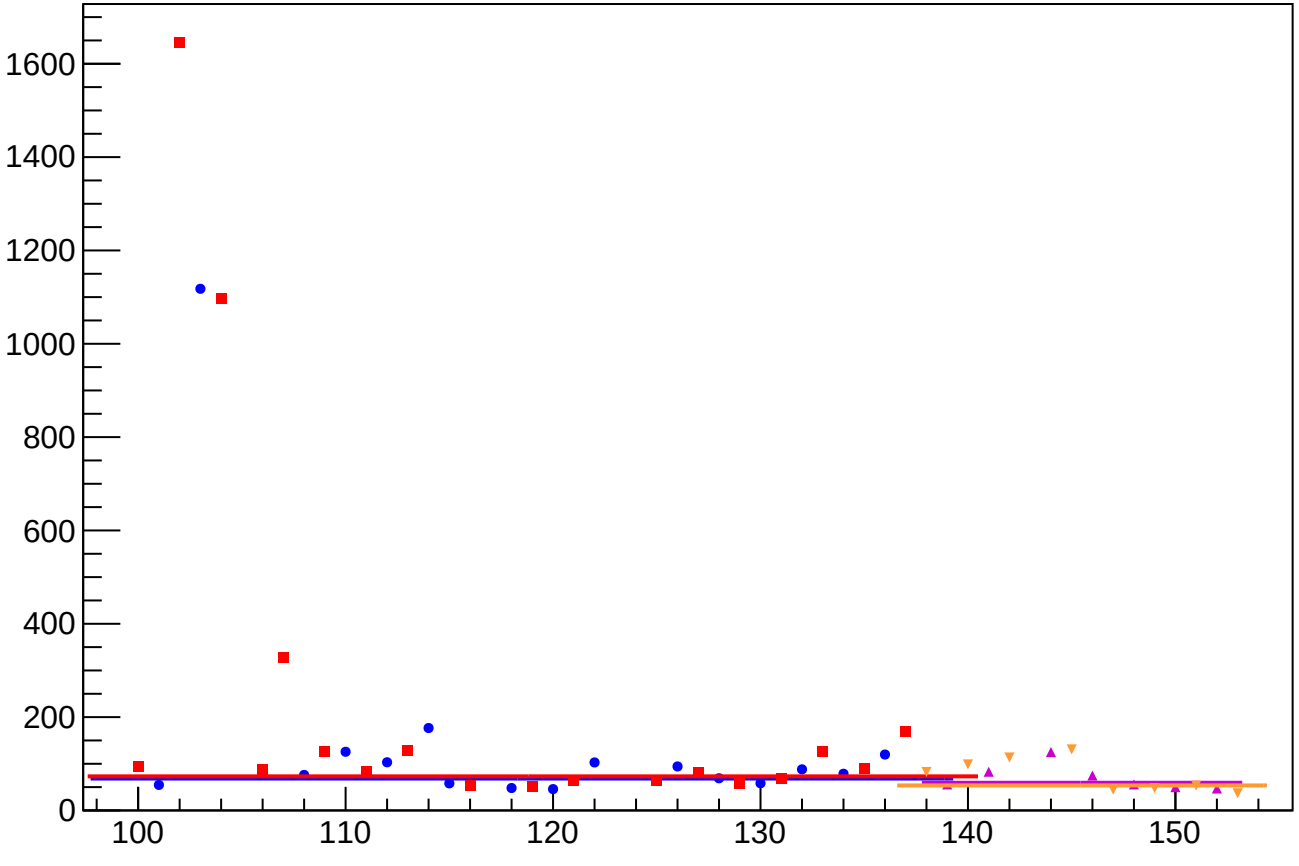
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: -0.004+/-0.020 χ^2/NDF:24.1/22

Out: 0.001+/-0.020 χ^2/NDF:27.9/25

All: -0.001+/-0.014 χ^2/NDF: 52.1/48

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 53.617+/-0.018 χ^2/NDF:1516170.6/7

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 59.328+/-0.019 χ^2/NDF:825456.3/6

Left: 56.321+/-0.013 χ^2/NDF: 2389418.2/14

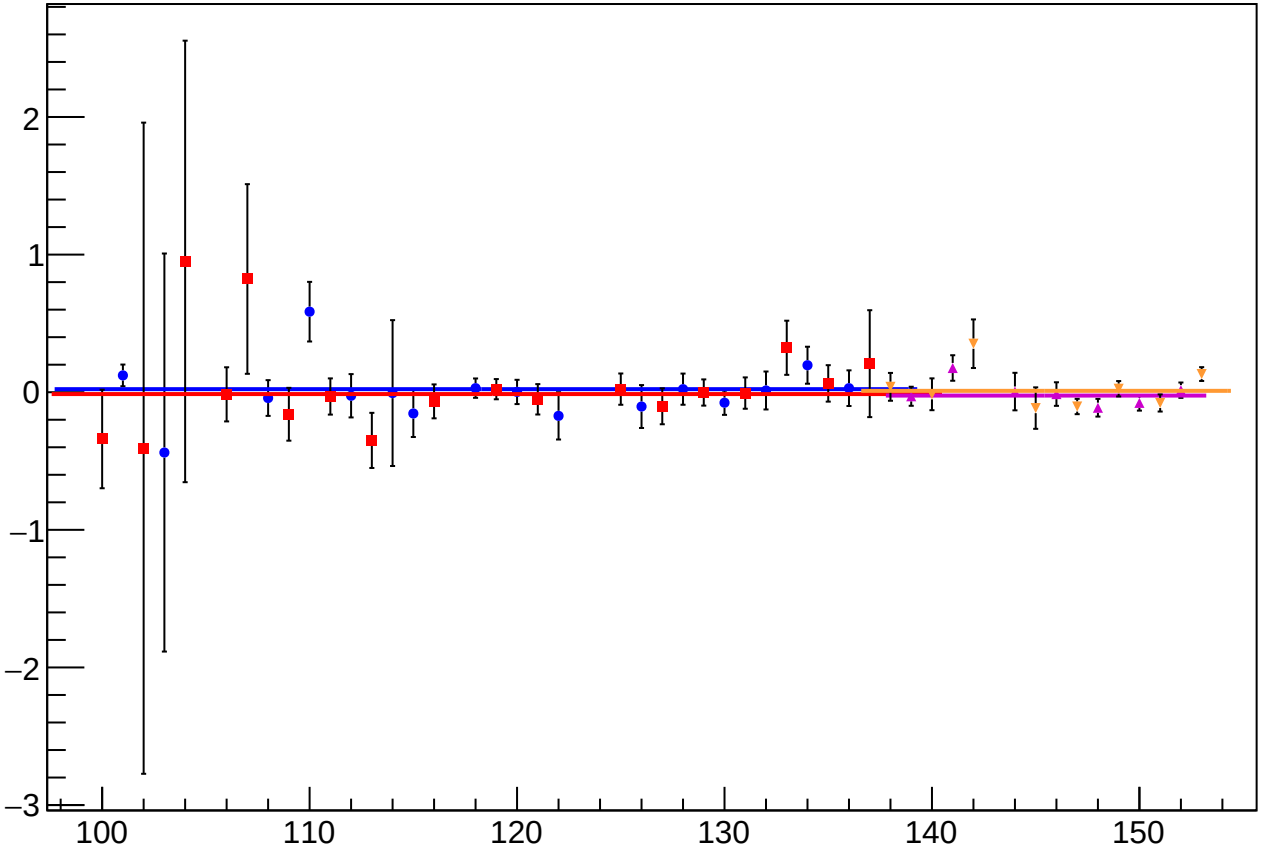
Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 63.347+/-0.014 χ^2/NDF:3205372.0/22

Out: 60.733+/-0.014 χ^2/NDF:4857692.3/25

All: 62.054+/-0.010 χ^2/NDF: 8079902.8/48

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.025 χ^2/NDF:16.8/7

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: -0.024+/-0.027 χ^2/NDF:8.0/6

Left: -0.006+/-0.018 χ^2/NDF: 25.6/14

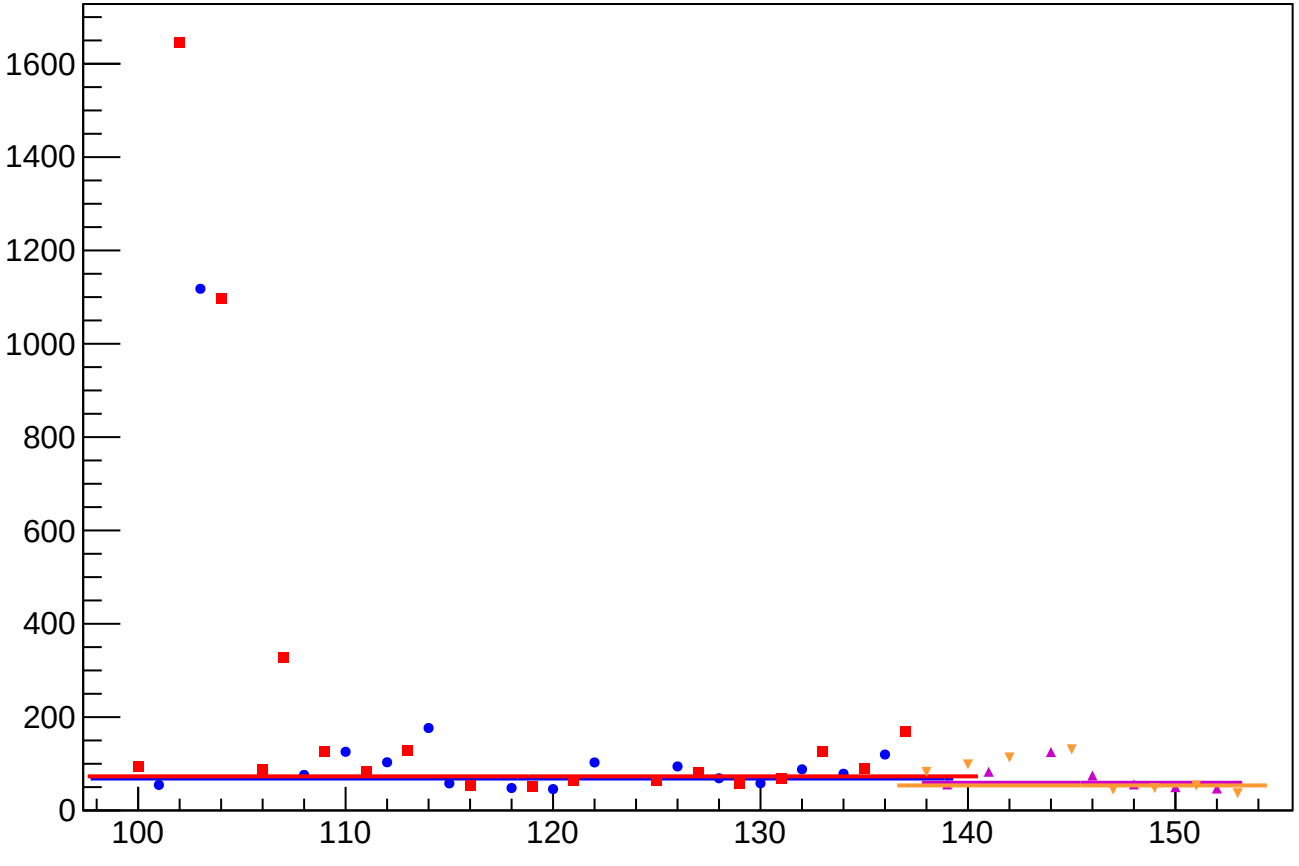
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: -0.004+/-0.020 χ^2/NDF:24.1/22

Out: 0.001+/-0.020 χ^2/NDF:27.9/25

All: -0.001+/-0.014 χ^2/NDF: 52.1/48

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: 53.617+/-0.018 χ^2/NDF:1516170.6/7

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 59.328+/-0.019 χ^2/NDF:825456.3/6

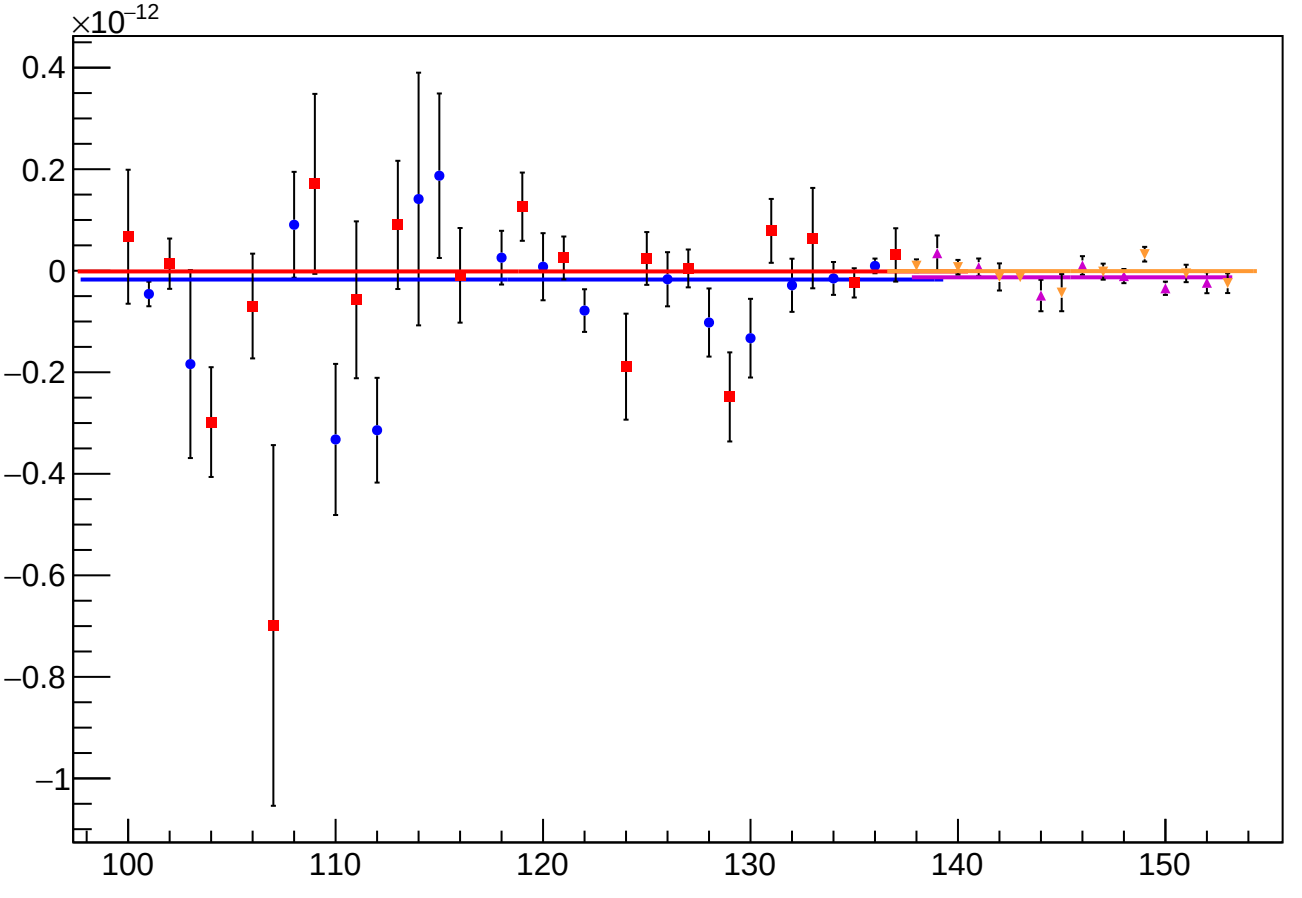
Left: 56.321+/-0.013 χ^2/NDF: 2389418.2/14

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 63.347+/-0.014 χ^2/NDF:3205372.0/22

Out: 60.733+/-0.014 χ^2/NDF:4857692.3/25

All: 62.054+/-0.010 χ^2/NDF: 8079902.8/48



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.0/8

Right Out: -0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: -0.000+/-0.000 χ^2/NDF:9.2/6

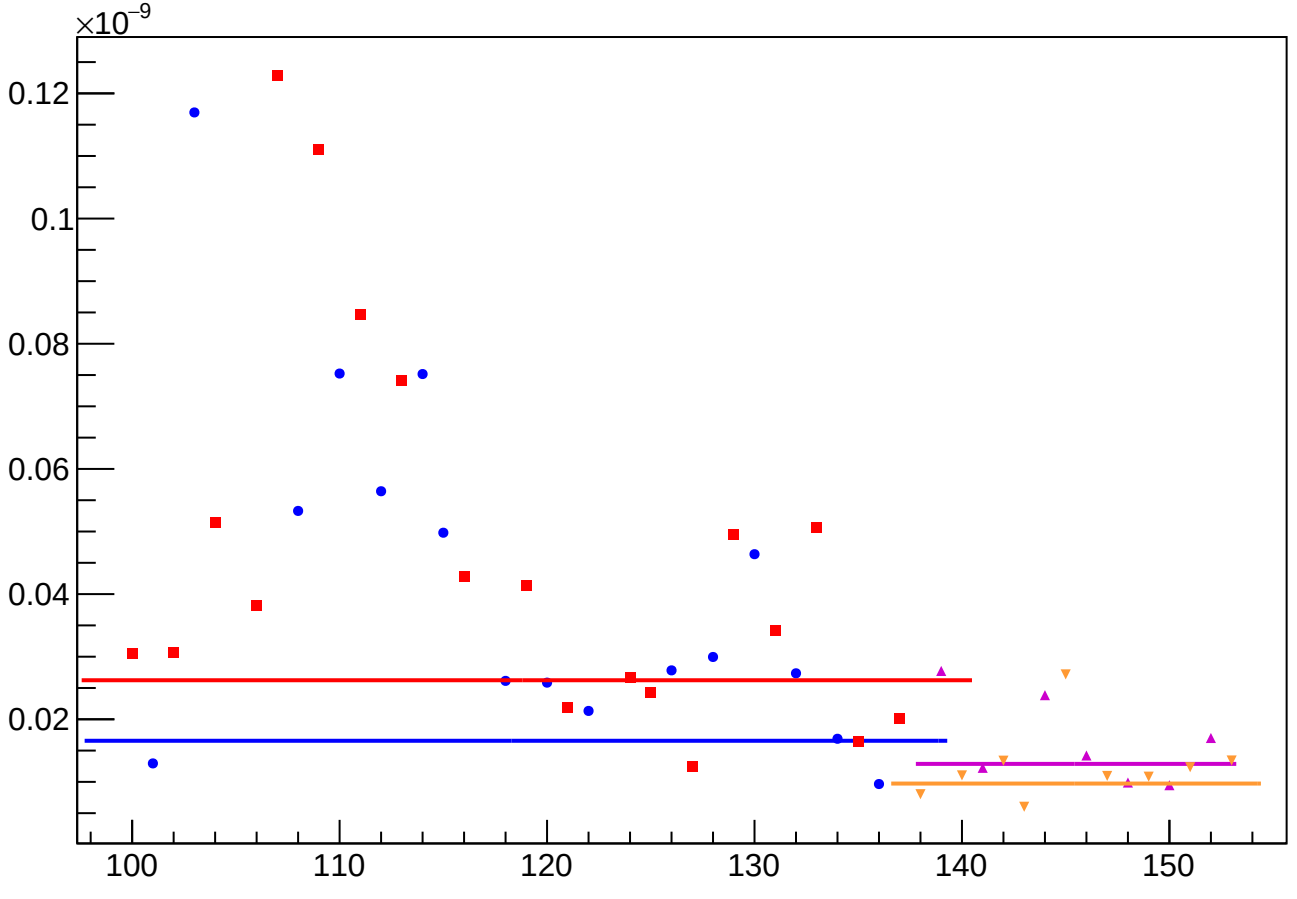
Left: -0.000+/-0.000 χ^2/NDF: 22.3/15

Right: -0.000+/-0.000 χ^2/NDF: 61.4/34

In: -0.000+/-0.000 χ^2/NDF:37.6/22

Out: -0.000+/-0.000 χ^2/NDF:43.3/27

All: -0.000+/-0.000 χ^2/NDF: 84.3/50



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1001940.6/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2346394.7/18

Left In: 0.000+/-0.000 χ^2/NDF:934939.4/6

Left: 0.000+/-0.000 χ^2/NDF: 2213206.3/15

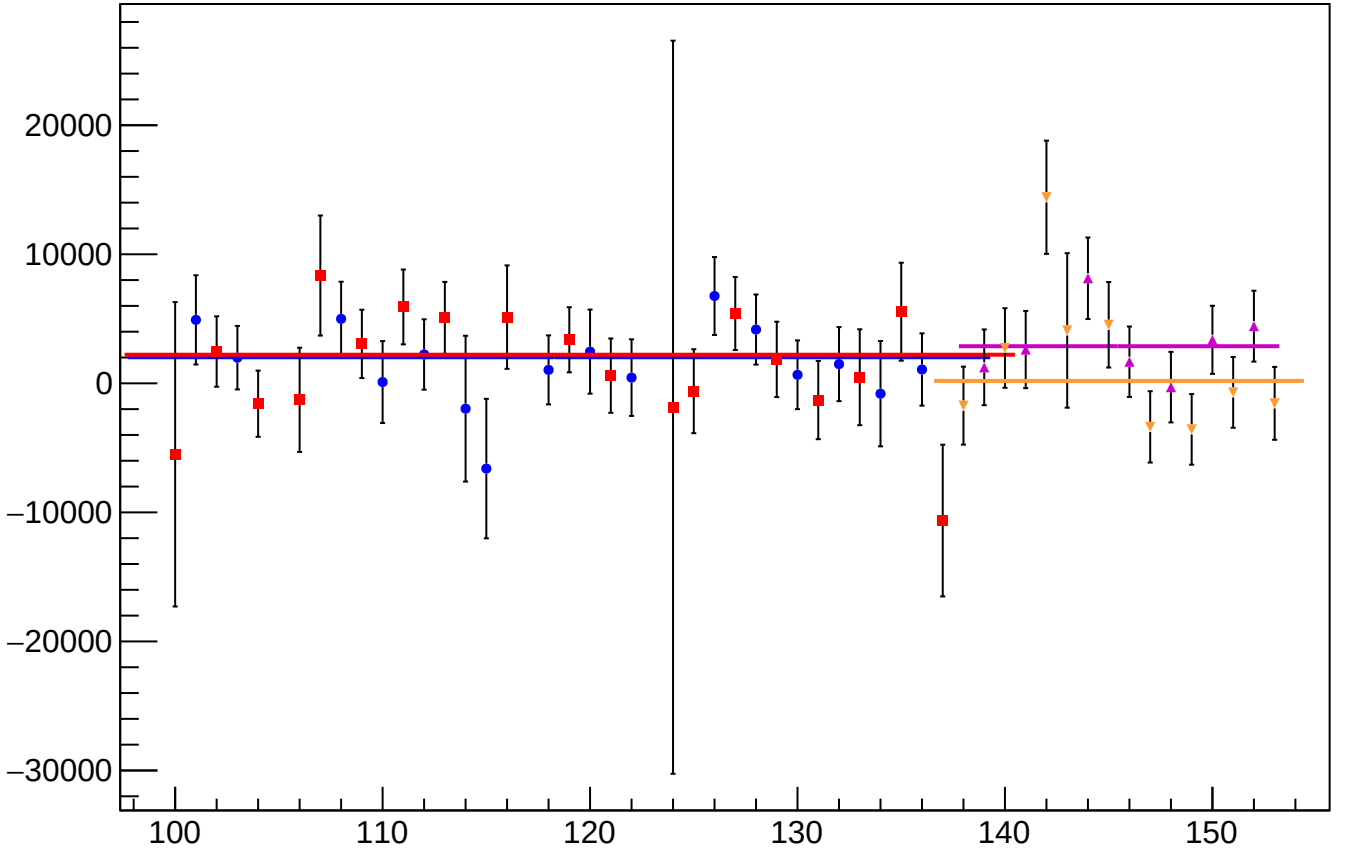
Right: 0.000+/-0.000 χ^2/NDF: 5786992.3/34

In: 0.000+/-0.000 χ^2/NDF:3945098.9/22

Out: 0.000+/-0.000 χ^2/NDF:5733578.0/27

All: 0.000+/-0.000 χ^2/NDF: 9909121.1/50

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 185.815+/-1049.091 χ^2/NDF:17.8/8

Right Out: 2217.261+/-756.139 χ^2/NDF: 18.1/18

Left In: 2875.552+/-1070.607 χ^2/NDF:5.0/6

Left: 1503.385+/-749.310 χ^2/NDF: 26.0/15

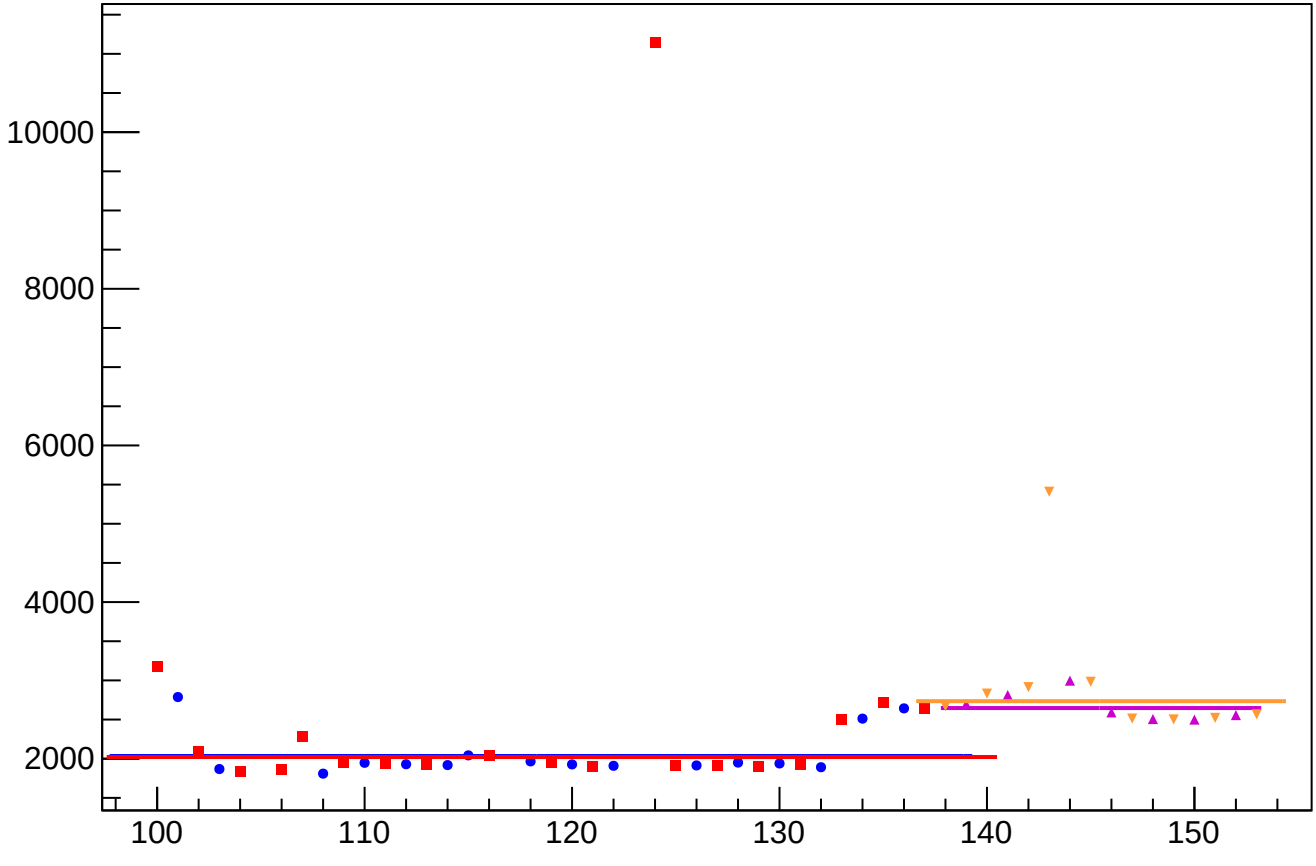
Right: 2121.027+/-537.553 χ^2/NDF: 27.8/34

In: 2310.638+/-622.082 χ^2/NDF:15.0/22

Out: 1522.741+/-613.413 χ^2/NDF:38.4/27

All: 1911.161+/-436.781 χ^2/NDF: 54.2/50

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2734.509+/-0.742 χ^2/NDF:463070.0/8

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

Left In: 2647.056+/-0.757 χ^2/NDF:45780.2/6

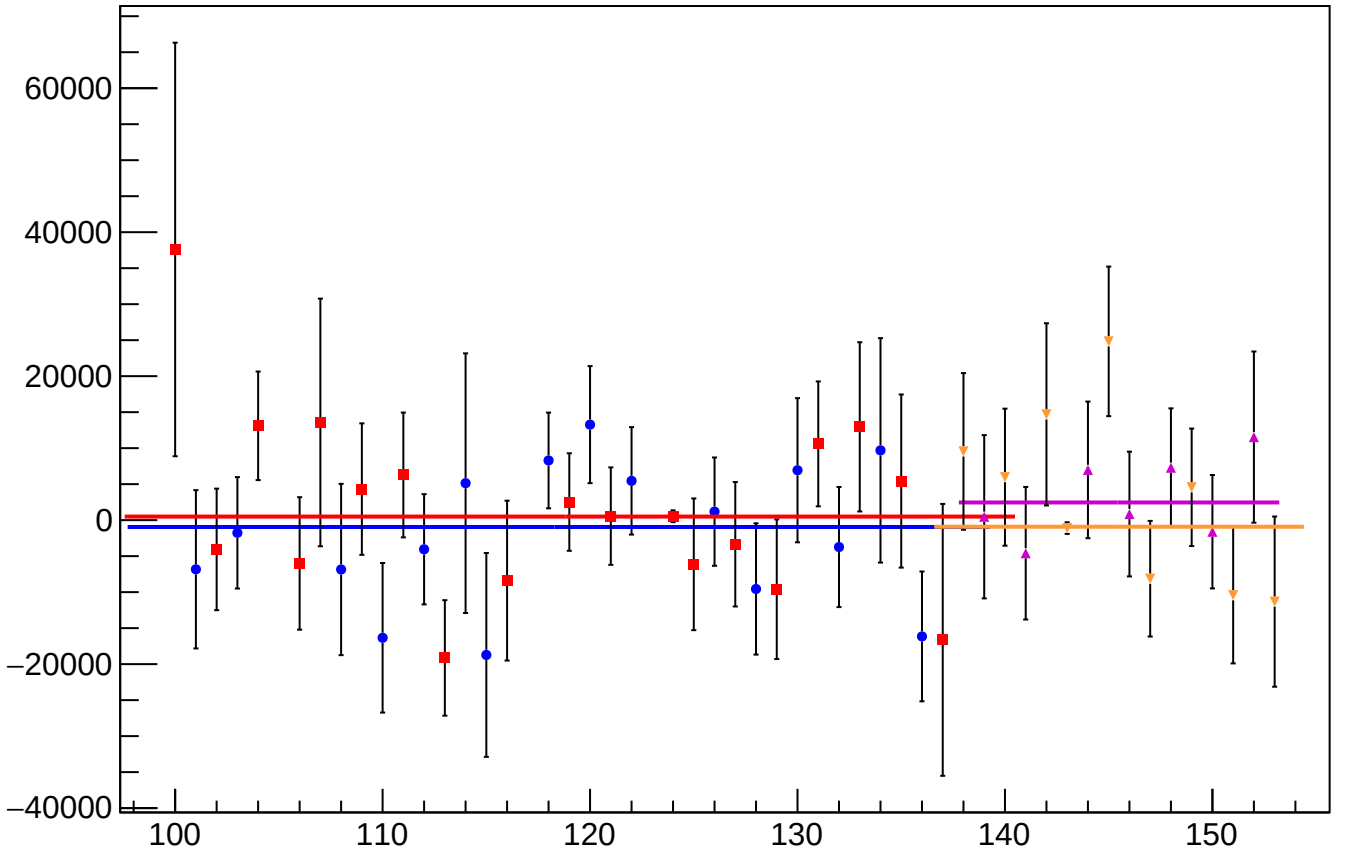
Left: 2691.670+/-0.530 χ^2/NDF: 515658.3/15

Right: 2027.784+/-0.380 χ^2/NDF: 653557.3/34

In: 2241.089+/-0.440 χ^2/NDF:742899.8/22

Out: 2265.296+/-0.434 χ^2/NDF:1461304.8/27

All: 2253.362+/-0.309 χ^2/NDF: 2205740.1/50



Right In: -950.519+/-2278.532 χ^2/NDF: 15.3/15

Left Out: -914.214+/-785.969 χ^2/NDF:12.2/8

Right Out: 497.346+/-768.286 χ^2/NDF: 18.5/18

Left In: 2457.451+/-3494.180 χ^2/NDF:2.1/6

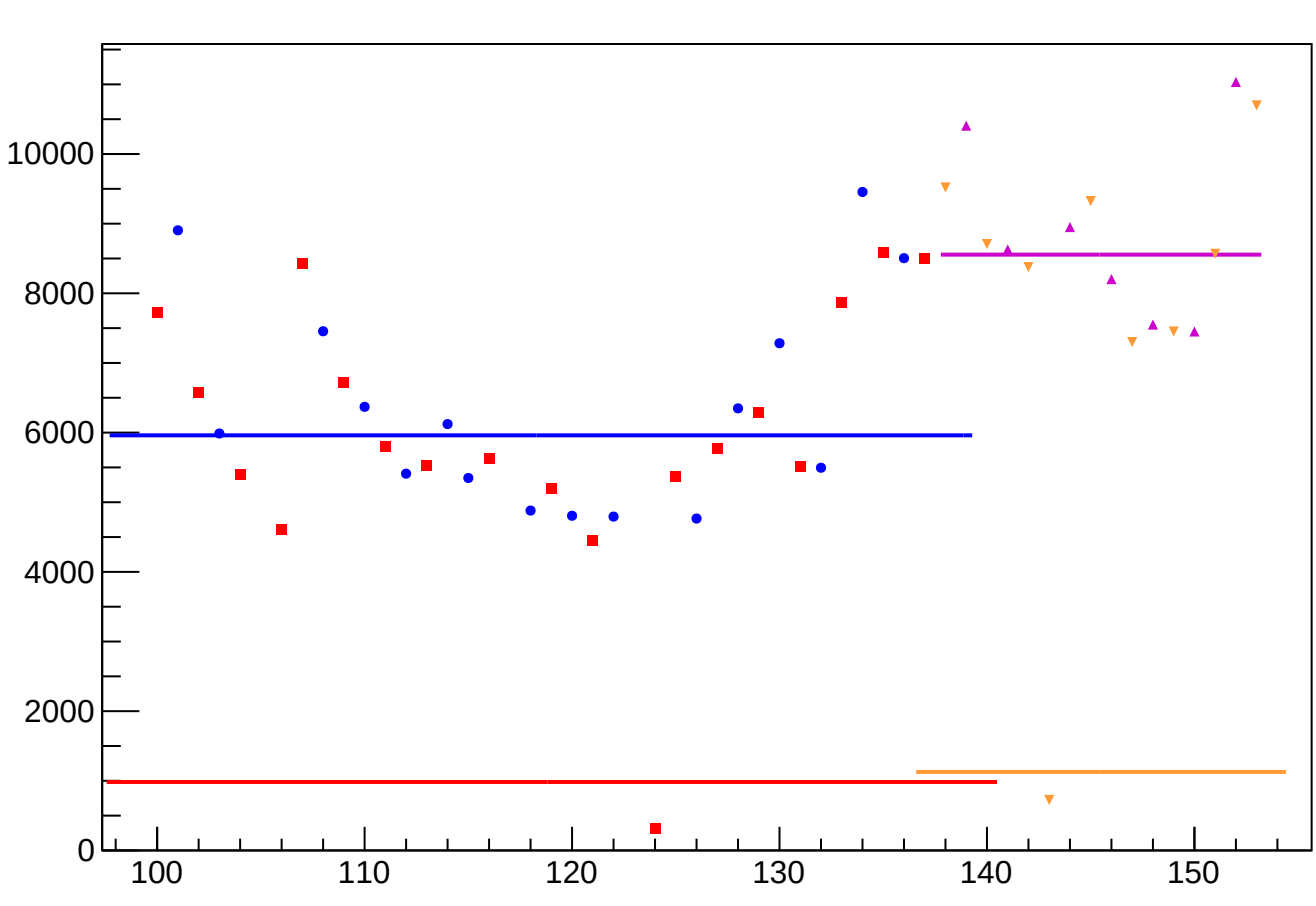
Left: -751.835+/-766.810 χ^2/NDF: 15.2/15

Right: 349.538+/-728.015 χ^2/NDF: 34.2/34

In: 66.272+/-1908.593 χ^2/NDF:18.1/22

Out: -192.377+/-549.406 χ^2/NDF:32.3/27

All: -172.584+/-527.967 χ^2/NDF: 50.4/50



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 1127.619+/-0.556 χ^2/NDF:9787500.7/8

Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

Left In: 8555.159+/-2.471 χ^2/NDF:216108.5/6

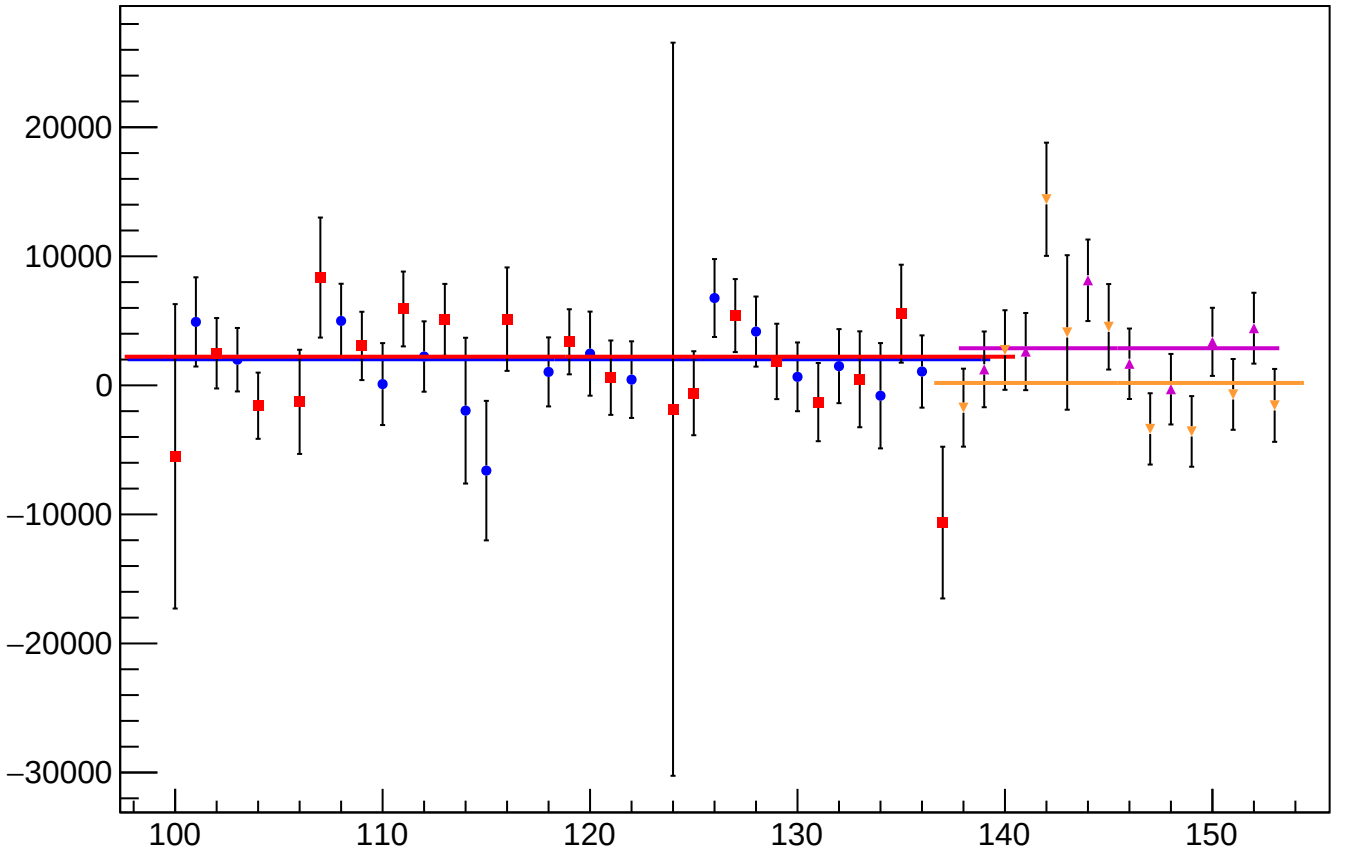
Left: 1485.328+/-0.542 χ^2/NDF: 18605488.8/15

Right: 1491.453+/-0.515 χ^2/NDF: 20675824.3/34

In: 6734.846+/-1.350 χ^2/NDF:1678973.7/22

Out: 1053.826+/-0.388 χ^2/NDF:21238665.8/27

All: 1488.549+/-0.373 χ^2/NDF: 39281380.2/5



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 185.876+/-1049.091 χ^2/NDF:17.8/8

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 2875.744+/-1070.607 χ^2/NDF:5.0/6

Left: 1503.510+/-749.311 χ^2/NDF: 26.0/15

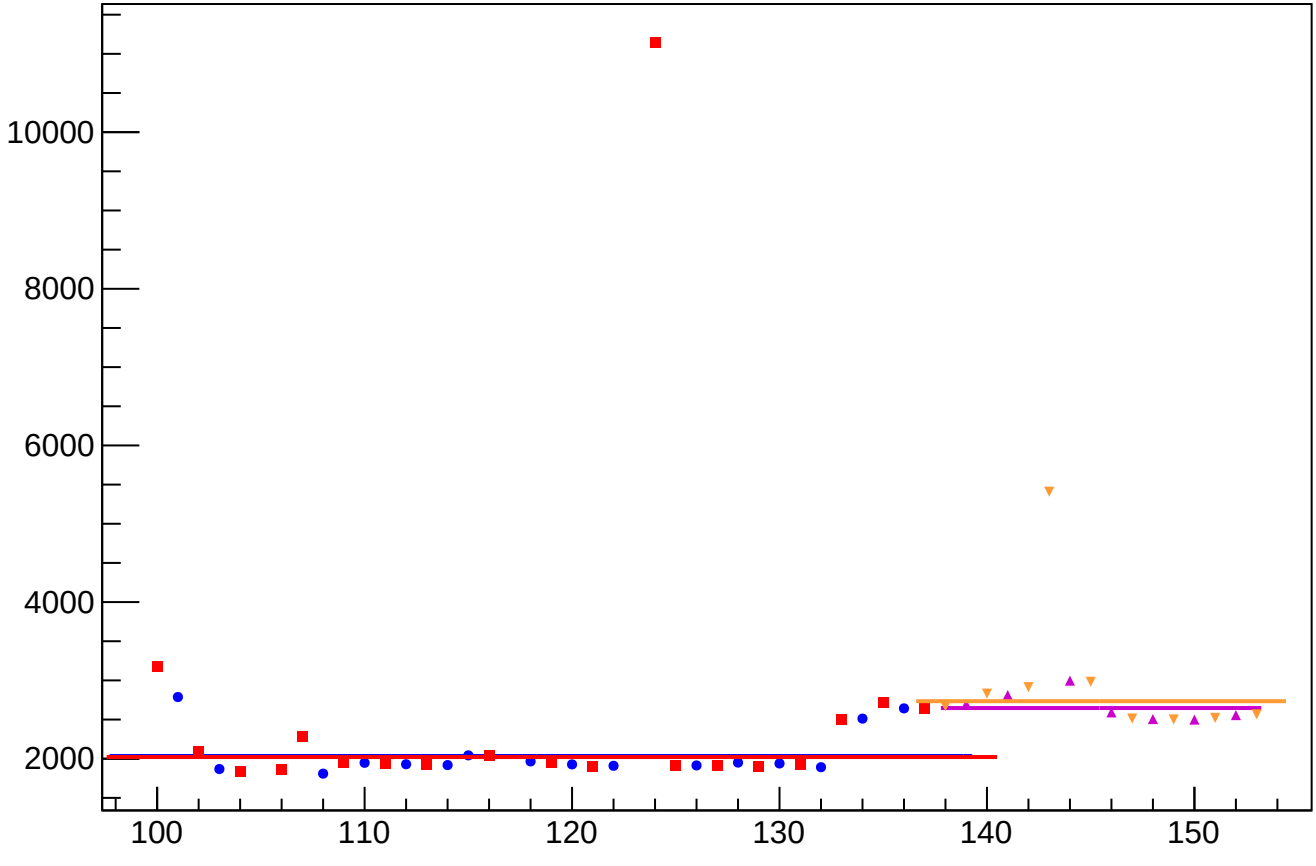
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2310.787+/-622.082 χ^2/NDF:15.0/22

Out: 1523.963+/-613.417 χ^2/NDF:38.4/27

All: 1911.857+/-436.783 χ^2/NDF: 54.2/50

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2734.510+/-0.742 χ^2/NDF:463070.0/8

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2647.056+/-0.757 χ^2/NDF:45780.2/6

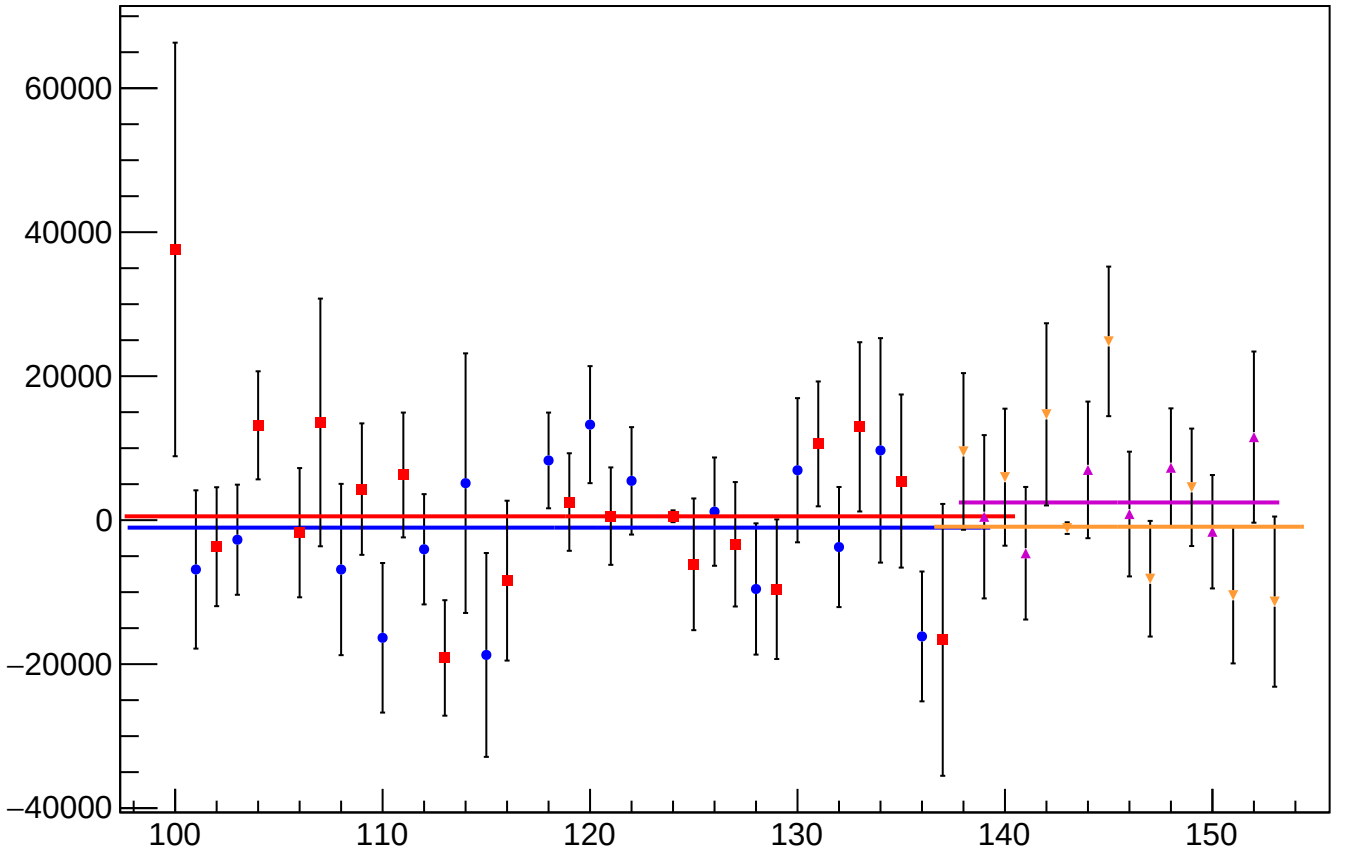
Left: 2691.670+/-0.530 χ^2/NDF: 515658.3/15

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2241.089+/-0.440 χ^2/NDF:742899.9/22

Out: 2265.314+/-0.434 χ^2/NDF:1461275.6/27

All: 2253.371+/-0.309 χ^2/NDF: 2205713.2/50



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -913.999+/-785.897 χ^2/NDF:12.2/8

Right Out: 530.662+/-767.947 χ^2/NDF: 18.0/18

Left In: 2457.565+/-3494.176 χ^2/NDF:2.1/6

Left: -751.653+/-766.743 χ^2/NDF: 15.2/15

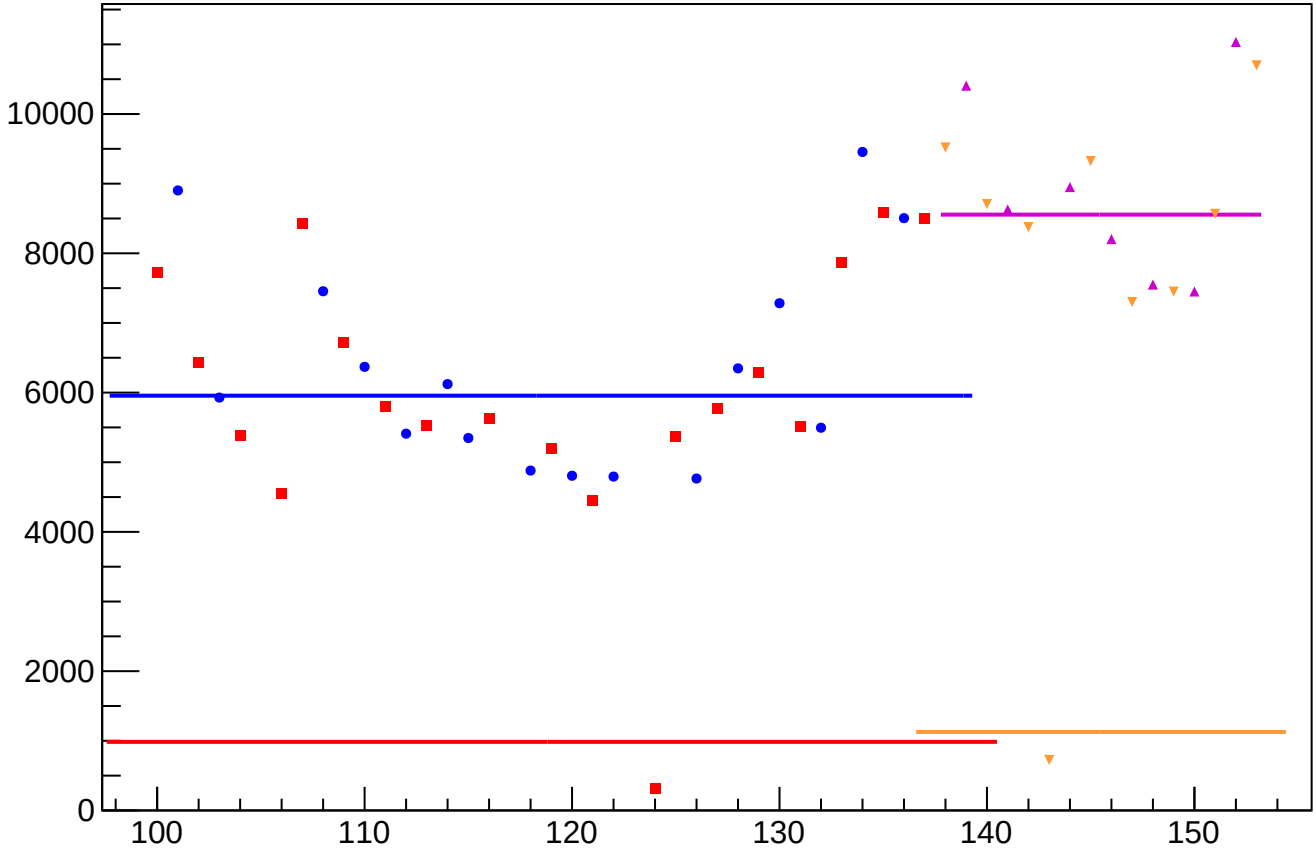
Right: 370.358+/-727.649 χ^2/NDF: 33.8/34

In: 3.457+/-1907.209 χ^2/NDF:18.2/22

Out: -174.982+/-549.257 χ^2/NDF:32.0/27

All: -161.316+/-527.805 χ^2/NDF: 50.1/50

asym_atl2_cor_correction_rms vs Slug, Sign Corrected



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1127.480+/-0.556 χ^2/NDF:9787765.8/8

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 8555.148+/-2.471 χ^2/NDF:216109.3/6

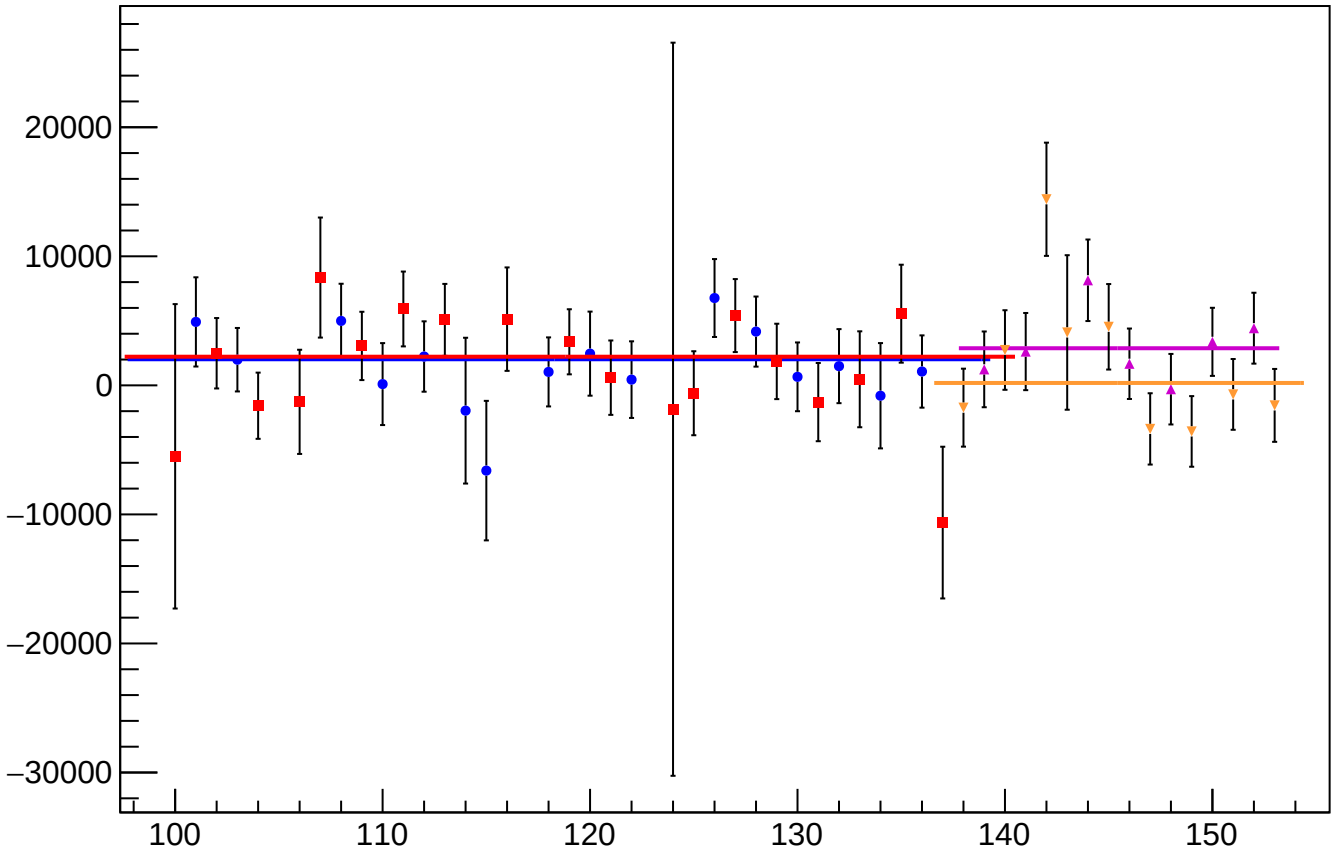
Left: 1485.133+/-0.542 χ^2/NDF: 18606148.0/15

Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 6730.098+/-1.349 χ^2/NDF:1682403.9/22

Out: 1054.617+/-0.388 χ^2/NDF:21234215.5/27

All: 1489.281+/-0.373 χ^2/NDF: 39271028.4/5



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 185.876+/-1049.091 χ^2/NDF:17.8/8

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 2875.744+/-1070.607 χ^2/NDF:5.0/6

Left: 1503.510+/-749.311 χ^2/NDF: 26.0/15

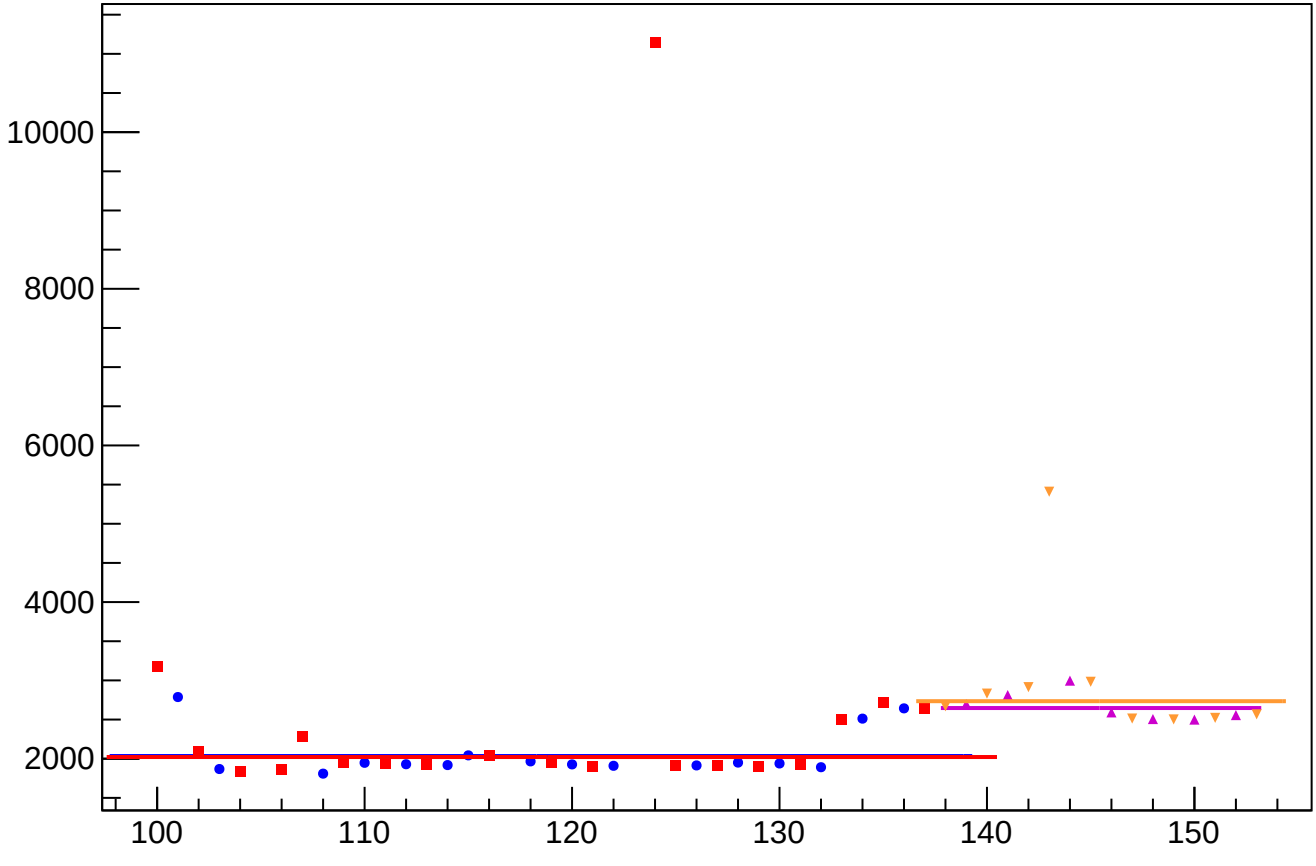
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2310.787+/-622.082 χ^2/NDF:15.0/22

Out: 1523.963+/-613.417 χ^2/NDF:38.4/27

All: 1911.857+/-436.783 χ^2/NDF: 54.2/50

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2734.510+/-0.742 χ^2/NDF:463070.0/8

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2647.056+/-0.757 χ^2/NDF:45780.2/6

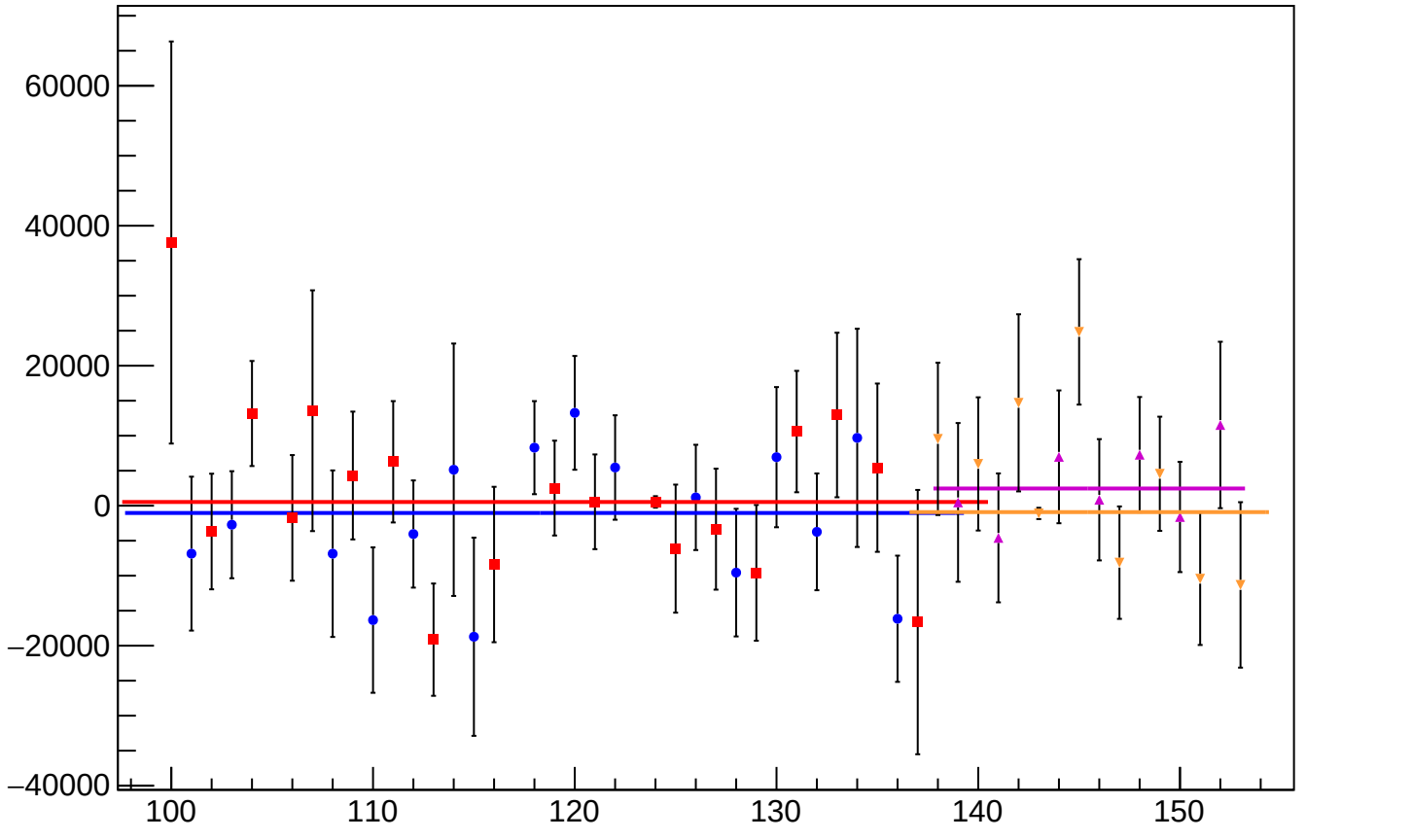
Left: 2691.670+/-0.530 χ^2/NDF: 515658.3/15

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2241.089+/-0.440 χ^2/NDF:742899.9/22

Out: 2265.314+/-0.434 χ^2/NDF:1461275.6/27

All: 2253.371+/-0.309 χ^2/NDF: 2205713.2/50



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -913.999+/-785.897 χ^2/NDF:12.2/8

Right Out: 530.662+/-767.947 χ^2/NDF: 18.0/18

Left In: 2457.565+/-3494.176 χ^2/NDF:2.1/6

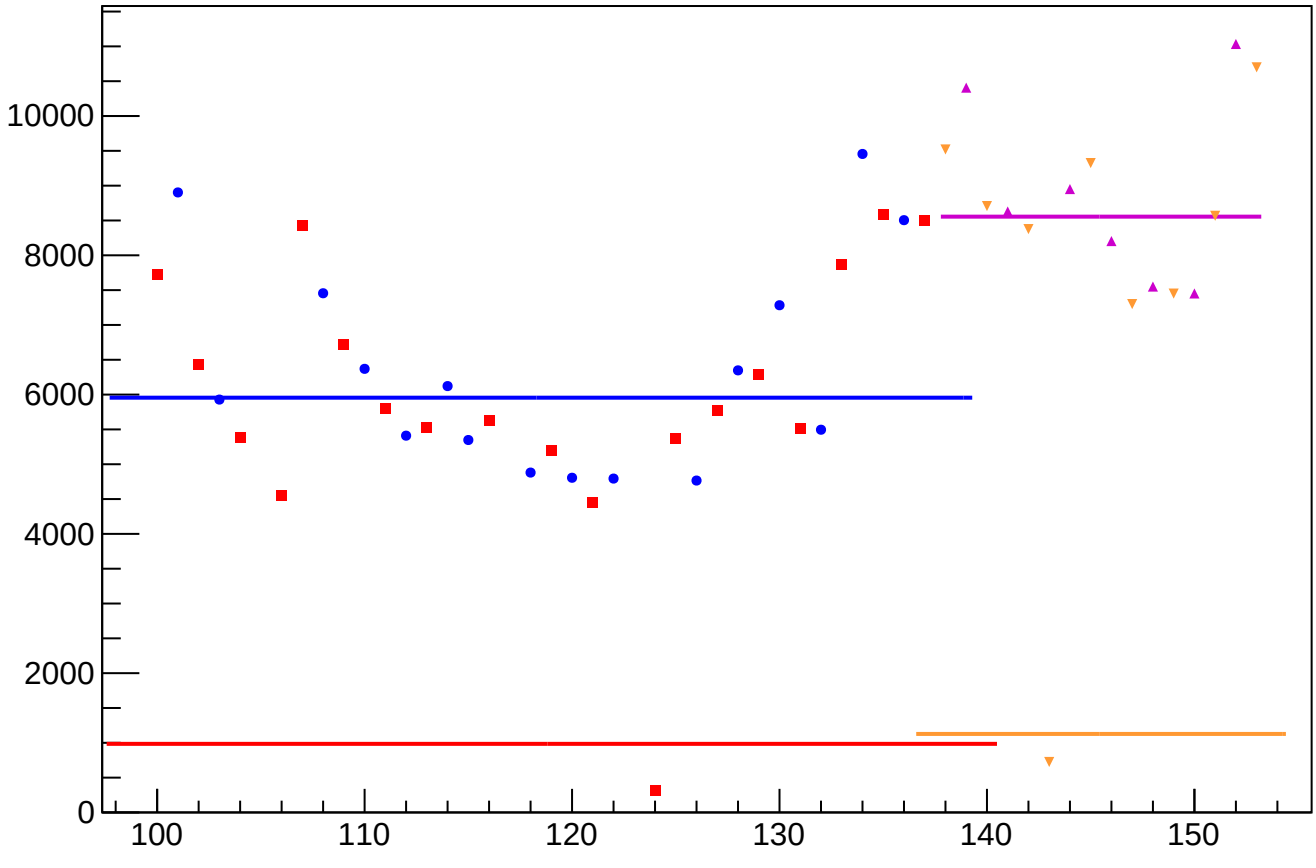
Left: -751.653+/-766.743 χ^2/NDF: 15.2/15

Right: 370.358+/-727.649 χ^2/NDF: 33.8/34

In: 3.457+/-1907.209 χ^2/NDF:18.2/22

Out: -174.982+/-549.257 χ^2/NDF:32.0/27

All: -161.316+/-527.805 χ^2/NDF: 50.1/50



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1127.480+/-0.556 χ^2/NDF:9787765.8/8

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 8555.148+/-2.471 χ^2/NDF:216109.3/6

Left: 1485.133+/-0.542 χ^2/NDF: 18606148.0/15

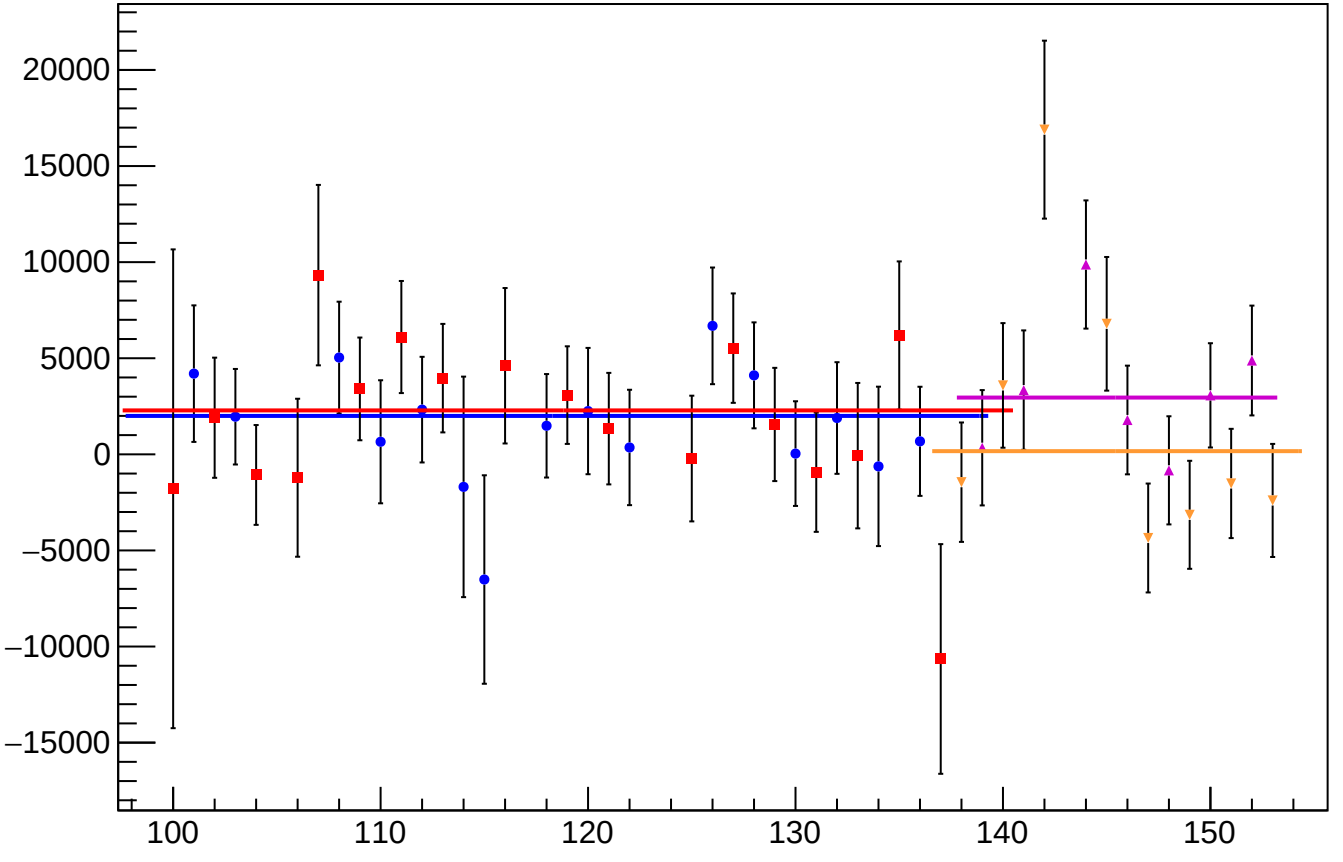
Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 6730.098+/-1.349 χ^2/NDF:1682403.9/22

Out: 1054.617+/-0.388 χ^2/NDF:21234215.5/27

All: 1489.281+/-0.373 χ^2/NDF: 39271028.4/5

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: 165.658+/-1105.201 χ^2/NDF:23.1/7

Right Out: 2285.899+/-771.299 χ^2/NDF: 16.7/17

Left In: 2953.685+/-1108.096 χ^2/NDF:7.5/6

Left: 1556.024+/-782.517 χ^2/NDF: 33.8/14

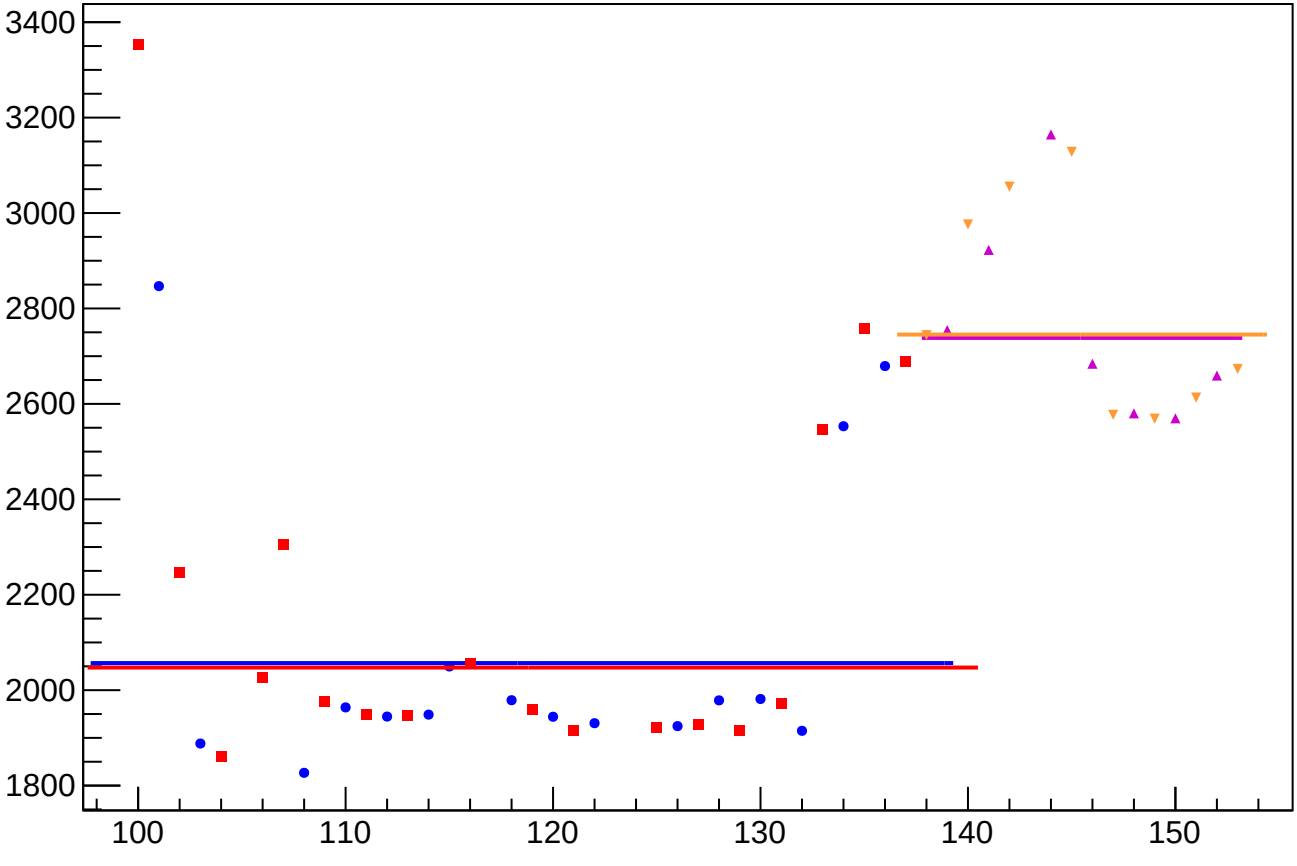
Right: 2142.972+/-546.180 χ^2/NDF: 25.7/33

In: 2311.943+/-634.279 χ^2/NDF:17.0/22

Out: 1591.473+/-632.501 χ^2/NDF:42.2/25

All: 1950.697+/-447.873 χ^2/NDF: 59.9/48

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2745.324+/-0.781 χ^2/NDF:63788.4/7

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

Left In: 2738.233+/-0.784 χ^2/NDF:56080.0/6

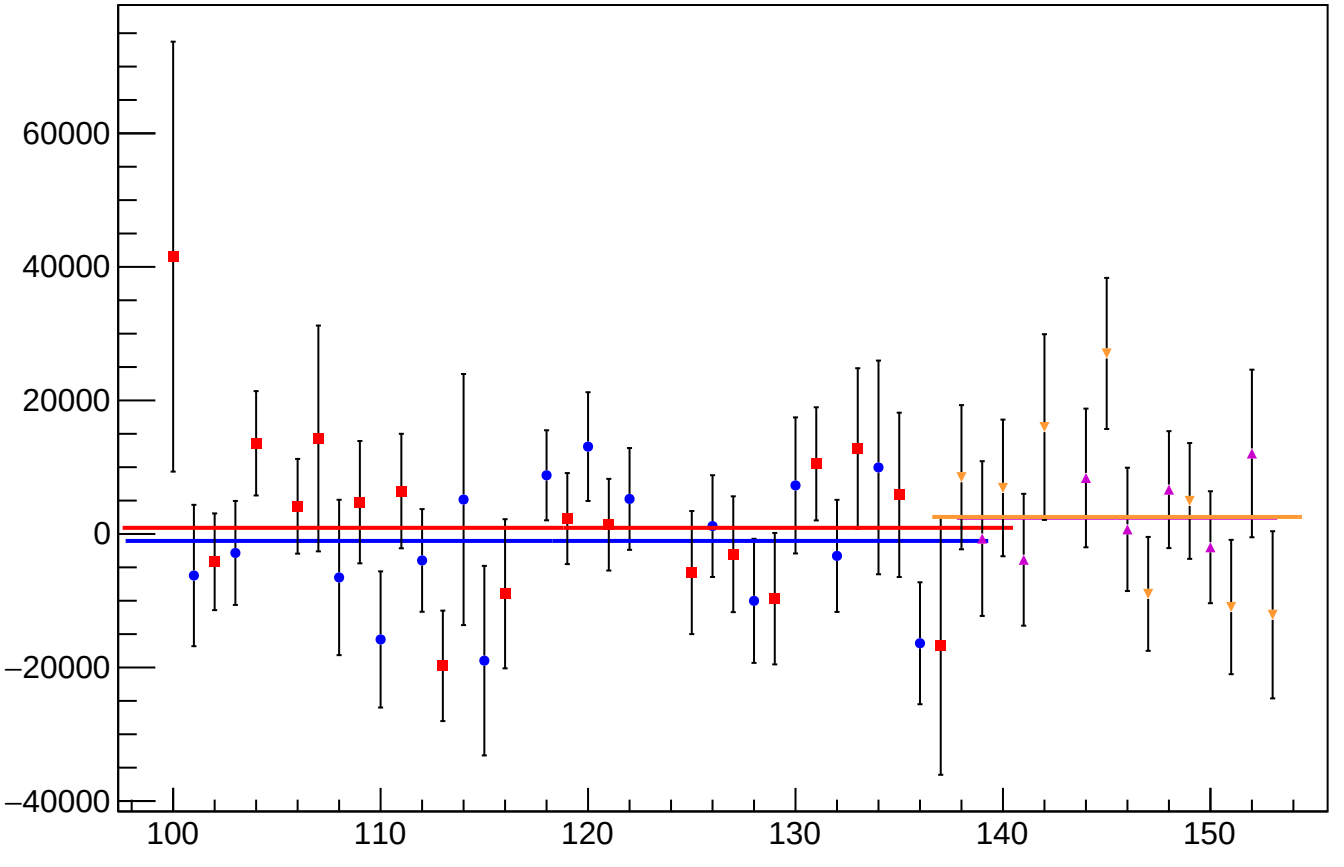
Left: 2741.788+/-0.553 χ^2/NDF: 119909.5/14

Right: 2052.077+/-0.386 χ^2/NDF: 467125.7/33

In: 2280.066+/-0.449 χ^2/NDF:835073.7/22

Out: 2275.522+/-0.447 χ^2/NDF:797183.5/25

All: 2277.785+/-0.317 χ^2/NDF: 1632308.7/48



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: 2549.421+/-3666.189 χ^2/NDF:11.2/7

Right Out: 919.663+/-2150.895 χ^2/NDF: 18.4/17

Left In: 2433.023+/-3718.869 χ^2/NDF:1.9/6

Left: 2492.052+/-2610.813 χ^2/NDF: 13.1/14

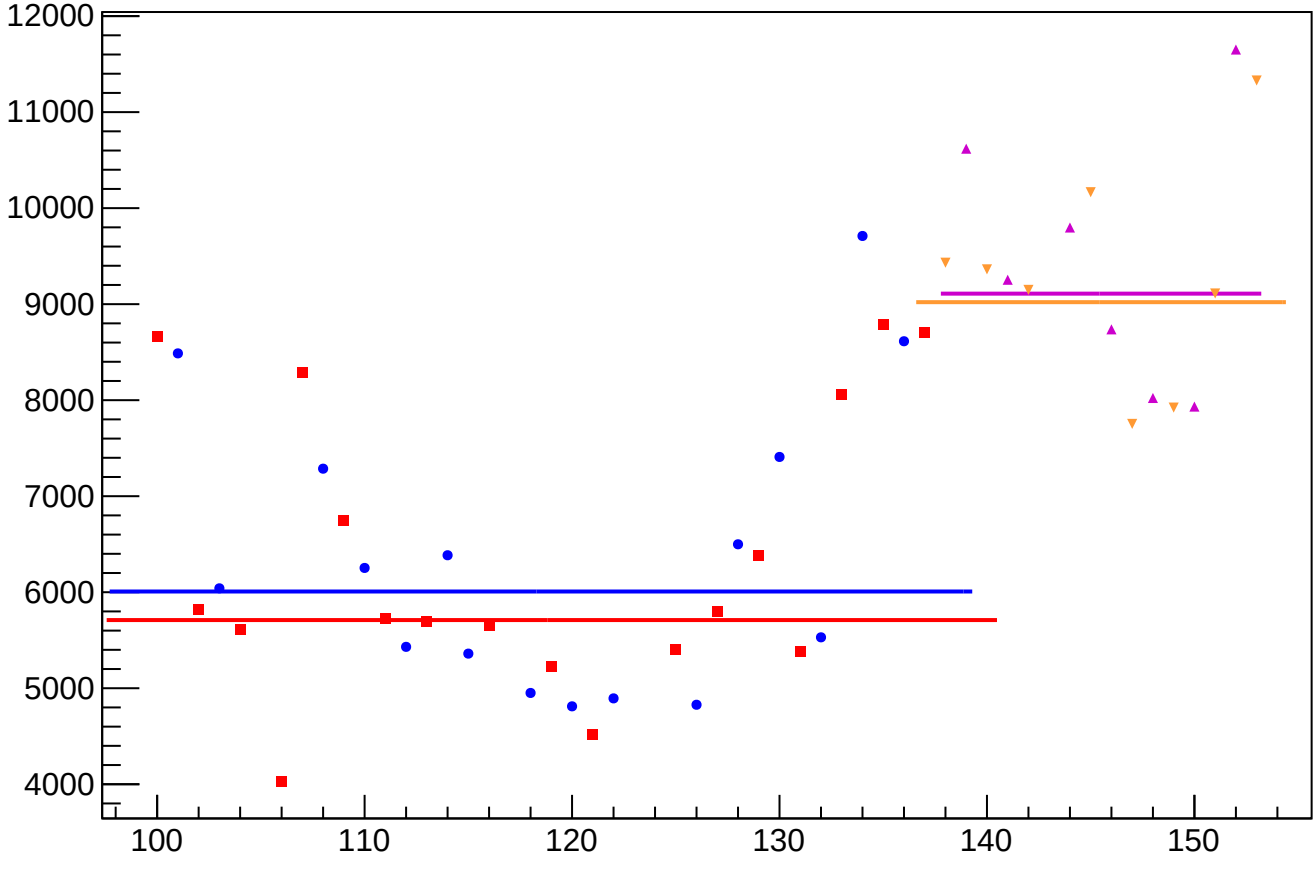
Right: 1.940+/-1569.260 χ^2/NDF: 34.1/33

In: -84.187+/-1952.796 χ^2/NDF:17.9/22

Out: 1336.982+/-1855.186 χ^2/NDF:29.7/25

All: 662.802+/-1344.999 χ^2/NDF: 47.8/48

asym_atl2_dit_correction_rms vs Slug, Sign Corrected



Right In: 6007.425+/-1.623 χ^2/NDF: 653996.7/15

Left Out: 9020.780+/-2.592 χ^2/NDF:170197.8/7

Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

Left In: 9109.557+/-2.630 χ^2/NDF:198591.0/6

Left: 9064.535+/-1.846 χ^2/NDF: 369366.8/14

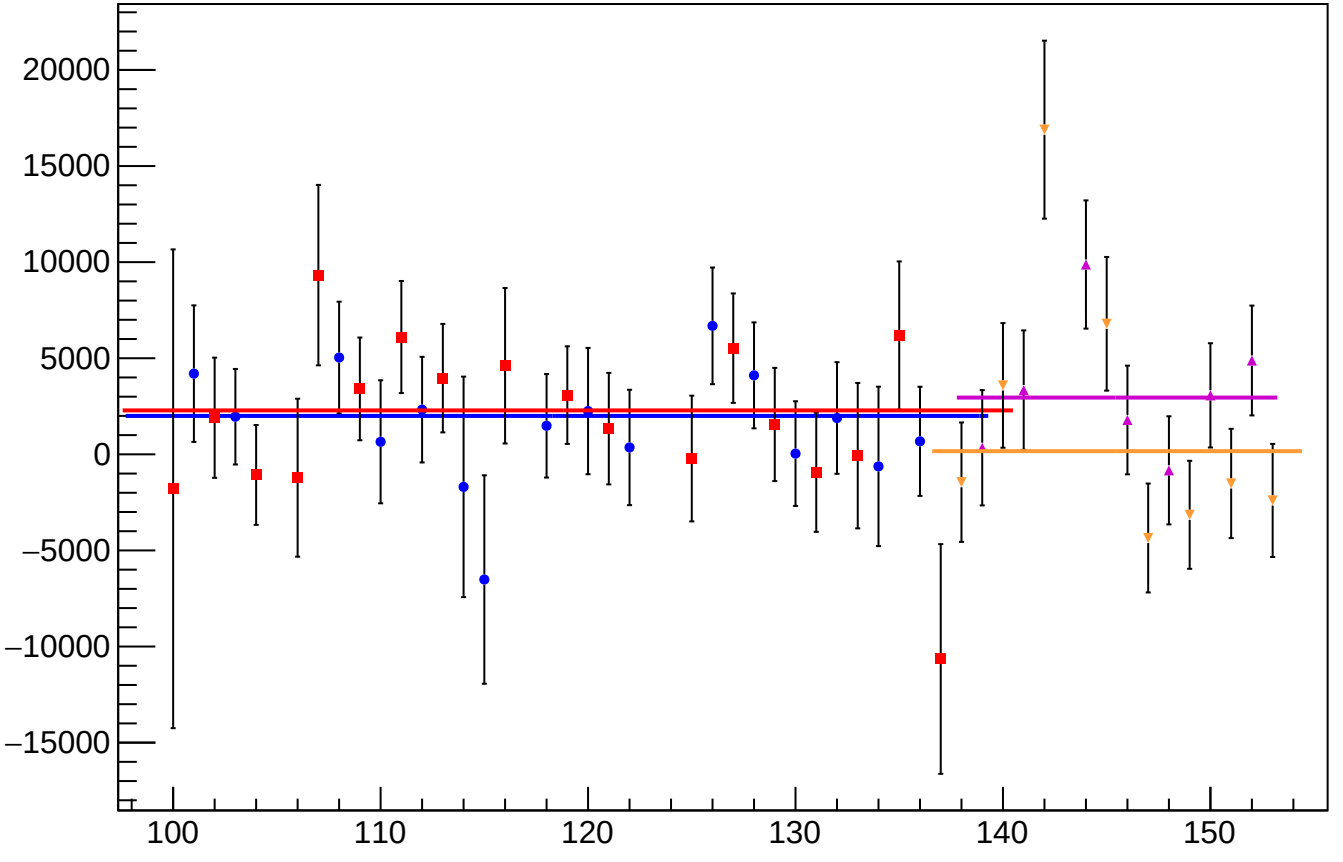
Right: 5849.056+/-1.110 χ^2/NDF: 1207820.8/33

In: 6862.792+/-1.381 χ^2/NDF:1860508.0/22

Out: 6557.693+/-1.312 χ^2/NDF:1919577.6/25

All: 6702.427+/-0.951 χ^2/NDF: 3805746.1/48

eigen_dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1999.218+/-773.538 χ^2/NDF: 9.0/15

Left Out: 165.663+/-1105.202 χ^2/NDF:23.1/7

Right Out: 2285.903+/-771.299 χ^2/NDF: 16.7/17

Left In: 2953.688+/-1108.097 χ^2/NDF:7.5/6

Left: 1556.028+/-782.517 χ^2/NDF: 33.8/14

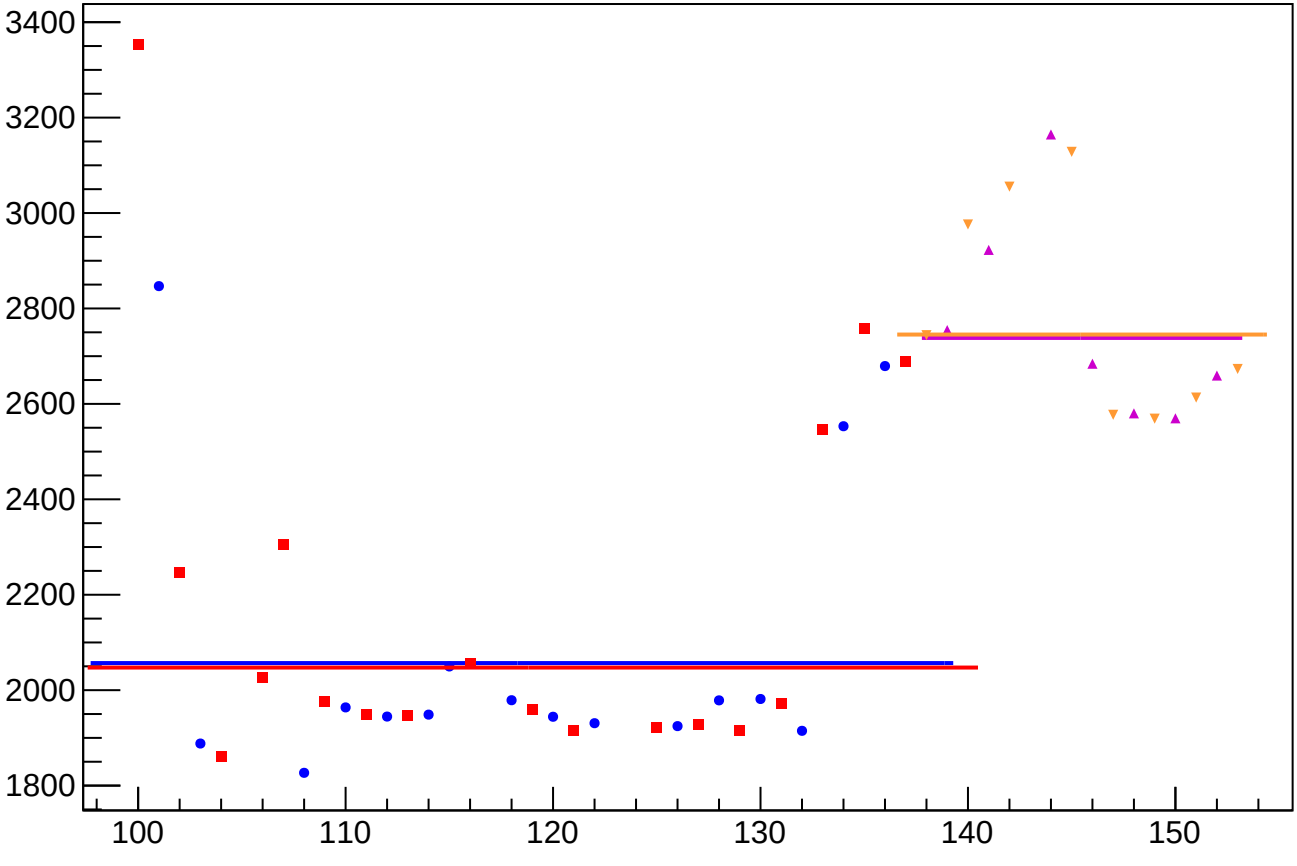
Right: 2142.976+/-546.180 χ^2/NDF: 25.7/33

In: 2311.947+/-634.279 χ^2/NDF:17.0/22

Out: 1591.478+/-632.502 χ^2/NDF:42.2/25

All: 1950.701+/-447.873 χ^2/NDF: 59.9/48

eigen_dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2745.326+/-0.781 χ^2/NDF:63789.6/7

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

Left In: 2738.235+/-0.784 χ^2/NDF:56080.7/6

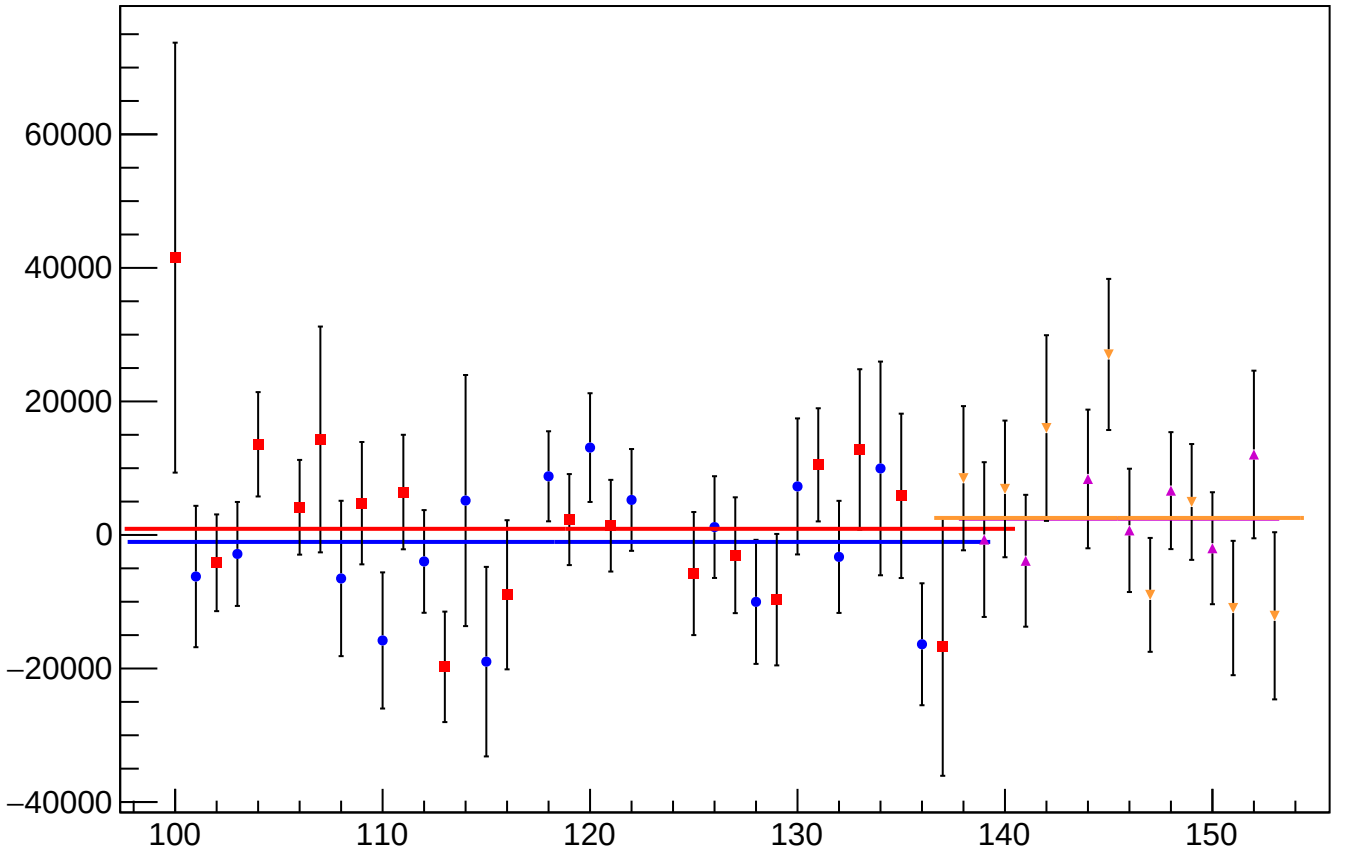
Left: 2741.790+/-0.553 χ^2/NDF: 119911.4/14

Right: 2052.077+/-0.386 χ^2/NDF: 467125.9/33

In: 2280.067+/-0.449 χ^2/NDF:835076.8/22

Out: 2275.522+/-0.447 χ^2/NDF:797187.7/25

All: 2277.786+/-0.317 χ^2/NDF: 1632316.0/48



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: 2549.414+/-3666.194 χ^2/NDF:11.2/7

Right Out: 919.667+/-2150.889 χ^2/NDF: 18.4/17

Left In: 2433.025+/-3718.874 χ^2/NDF:1.9/6

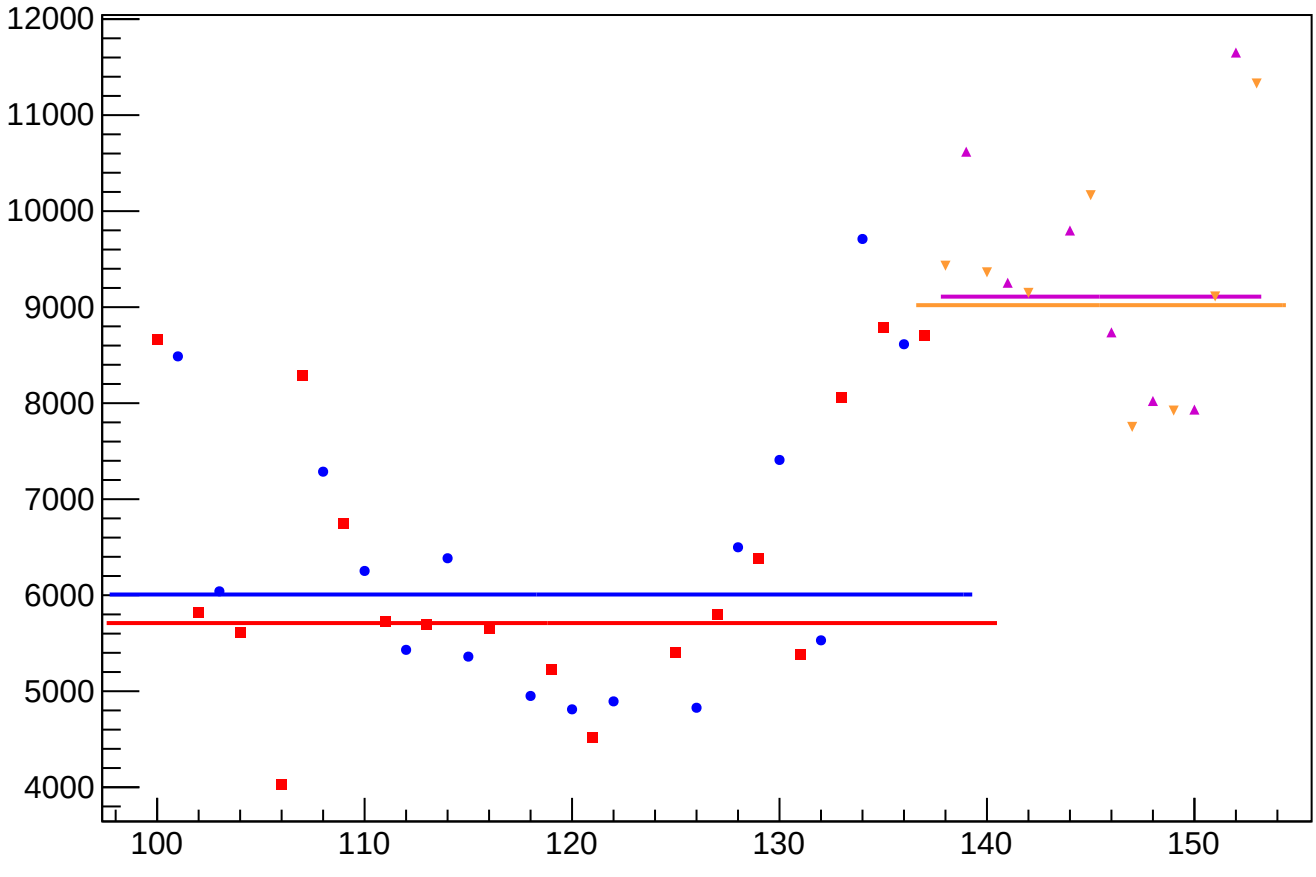
Left: 2492.050+/-2610.816 χ^2/NDF: 13.1/14

Right: 1.948+/-1569.255 χ^2/NDF: 34.1/33

In: -84.183+/-1952.793 χ^2/NDF:17.9/22

Out: 1336.981+/-1855.183 χ^2/NDF:29.7/25

All: 662.804+/-1344.996 χ^2/NDF: 47.8/48



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 9020.791+/-2.592 χ^2/NDF:170200.3/7

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

Left In: 9109.567+/-2.630 χ^2/NDF:198593.6/6

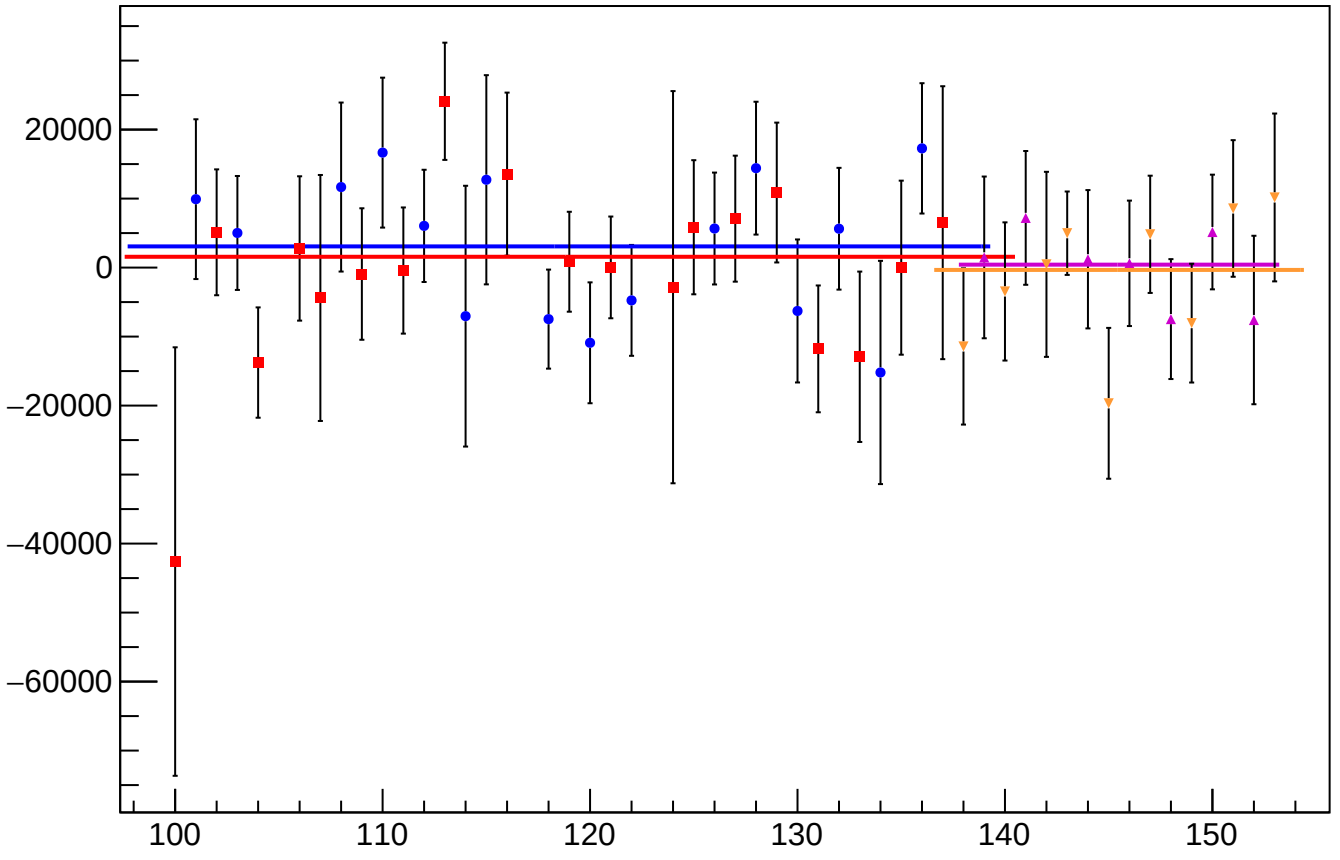
Left: 9064.546+/-1.846 χ^2/NDF: 369371.9/14

Right: 5849.037+/-1.110 χ^2/NDF: 1207832.6/33

In: 6862.775+/-1.381 χ^2/NDF:1860538.1/22

Out: 6557.678+/-1.312 χ^2/NDF:1919603.8/25

All: 6702.411+/-0.951 χ^2/NDF: 3805802.3/48



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: -338.478+/-3109.961 χ^2/NDF:7.7/8

Right Out: 1567.088+/-2335.884 χ^2/NDF: 19.2/18

Left In: 425.633+/-3666.017 χ^2/NDF:2.1/6

Left: -18.708+/-2371.565 χ^2/NDF: 9.8/15

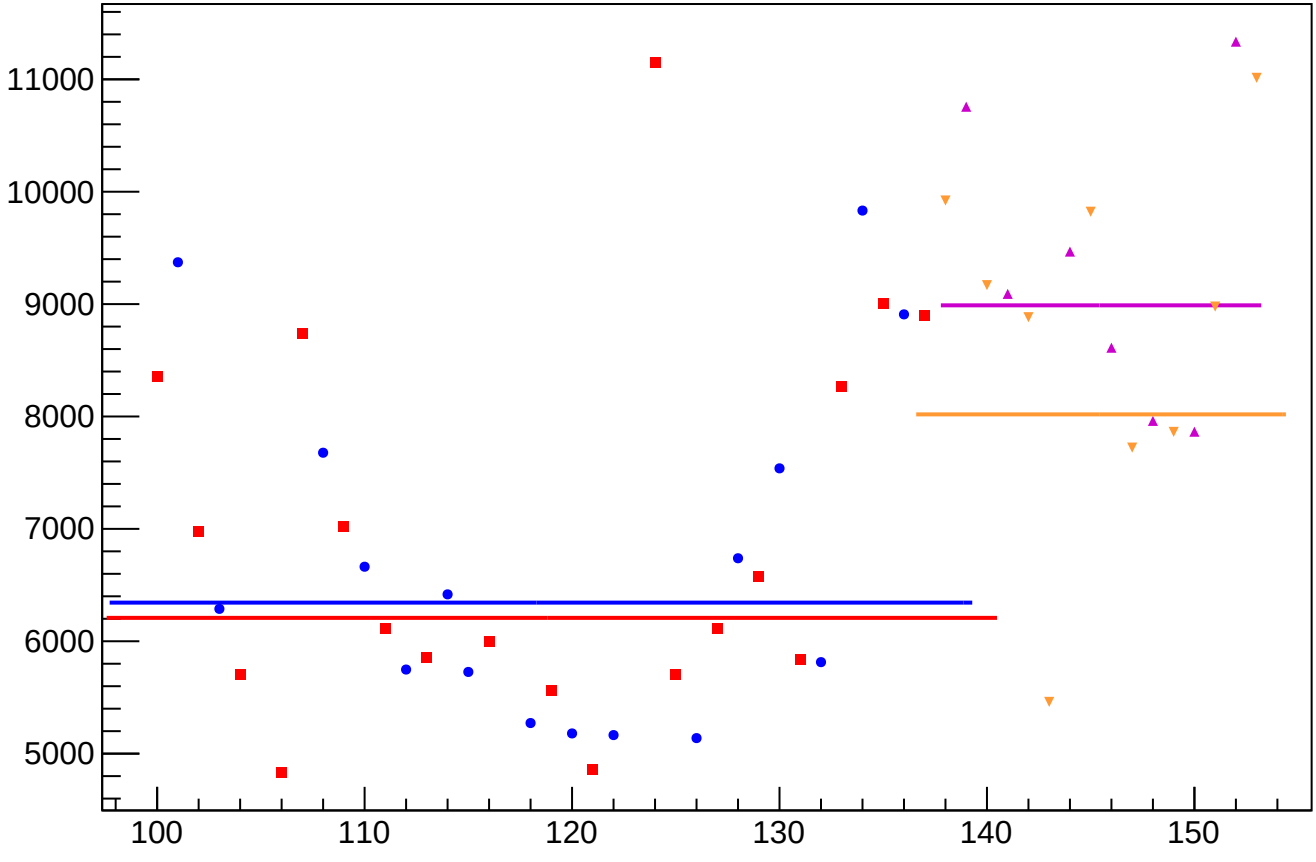
Right: 2291.888+/-1680.911 χ^2/NDF: 34.3/34

In: 2267.301+/-2020.065 χ^2/NDF:17.3/22

Out: 879.800+/-1867.723 χ^2/NDF:27.1/27

All: 1519.264+/-1371.378 χ^2/NDF: 44.7/50

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 8018.759+/-2.199 χ^2/NDF:647076.1/8

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

Left In: 8989.118+/-2.592 χ^2/NDF:192174.2/6

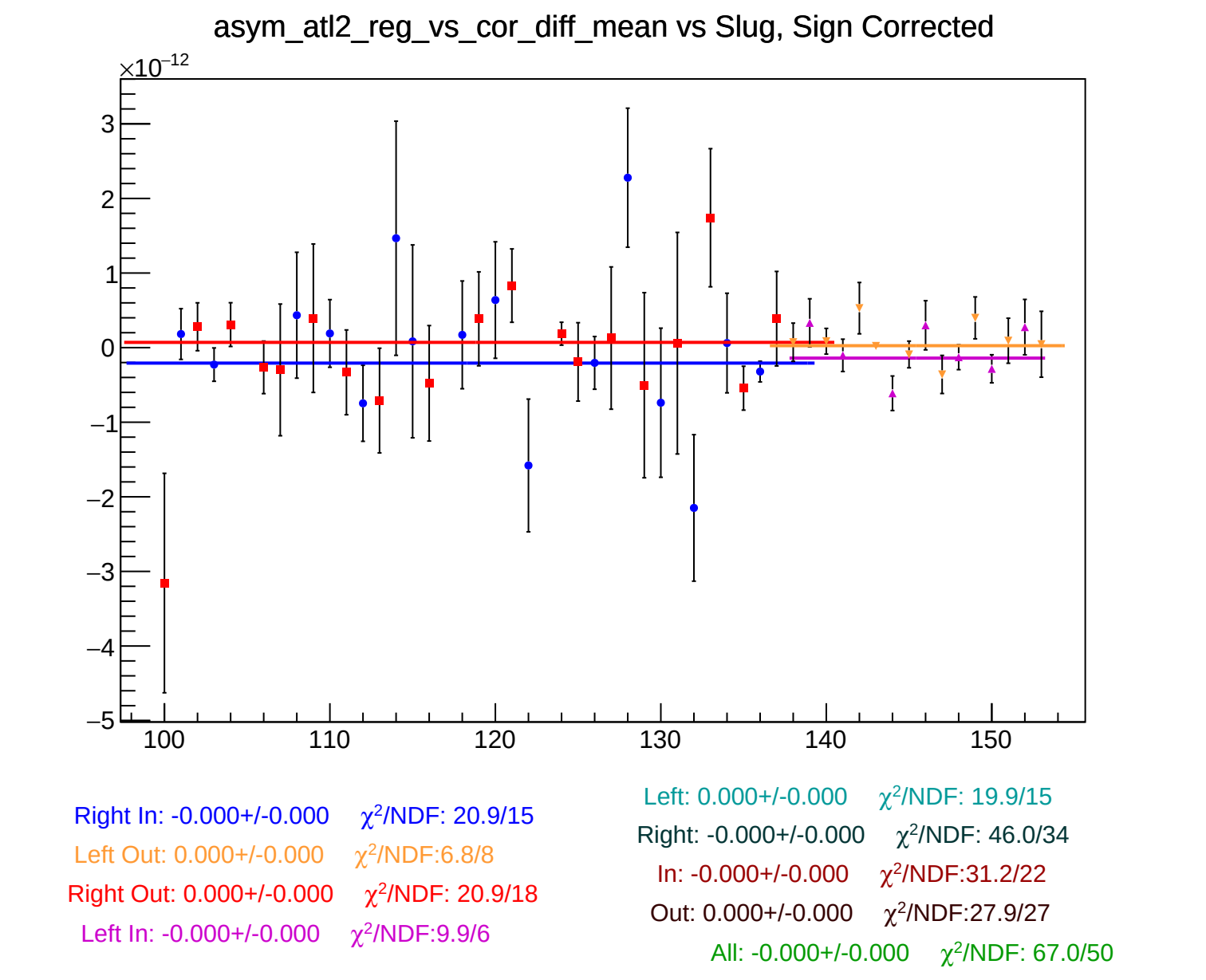
Left: 8424.841+/-1.677 χ^2/NDF: 920733.0/15

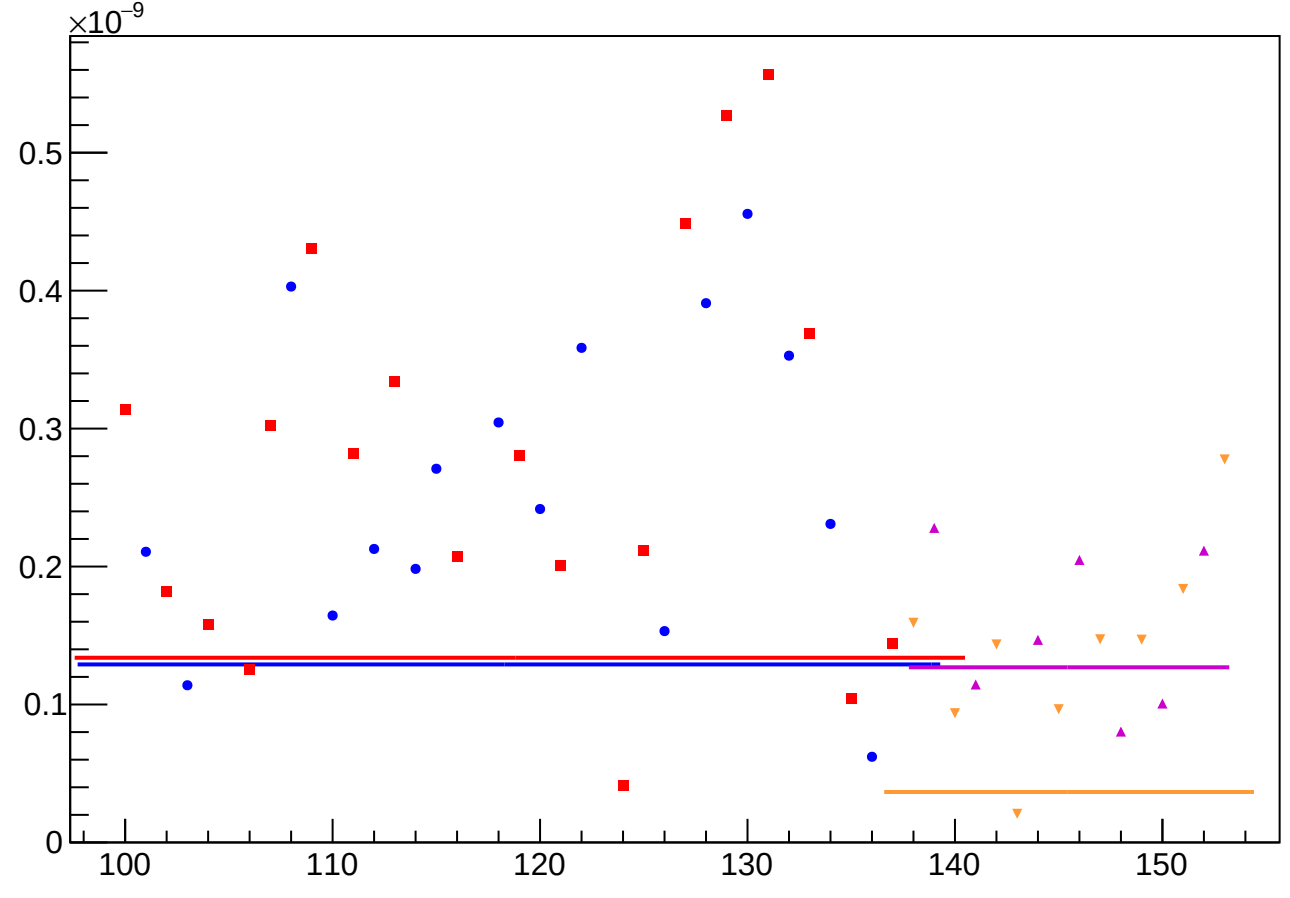
Right: 6273.528+/-1.189 χ^2/NDF: 1096335.5/34

In: 7146.988+/-1.428 χ^2/NDF:1538584.1/22

Out: 6861.155+/-1.321 χ^2/NDF:1552345.1/27

All: 6992.888+/-0.970 χ^2/NDF: 3112517.3/50


asym_atl2_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
−5
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 20.9/15
Left Out: 0.000+/-0.000 χ²/NDF:6.8/8
Right Out: 0.000+/-0.000 χ²/NDF: 20.9/18
Left In: -0.000+/-0.000 χ²/NDF:9.9/6
Left: 0.000+/-0.000 χ²/NDF: 19.9/15
Right: -0.000+/-0.000 χ²/NDF: 46.0/34
In: -0.000+/-0.000 χ²/NDF:31.2/22
Out: 0.000+/-0.000 χ²/NDF:27.9/27
All: -0.000+/-0.000 χ²/NDF: 67.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 1720321.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3246721.5/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2304489.5/18

Left In: 0.000+/-0.000 χ^2/NDF:627665.7/6

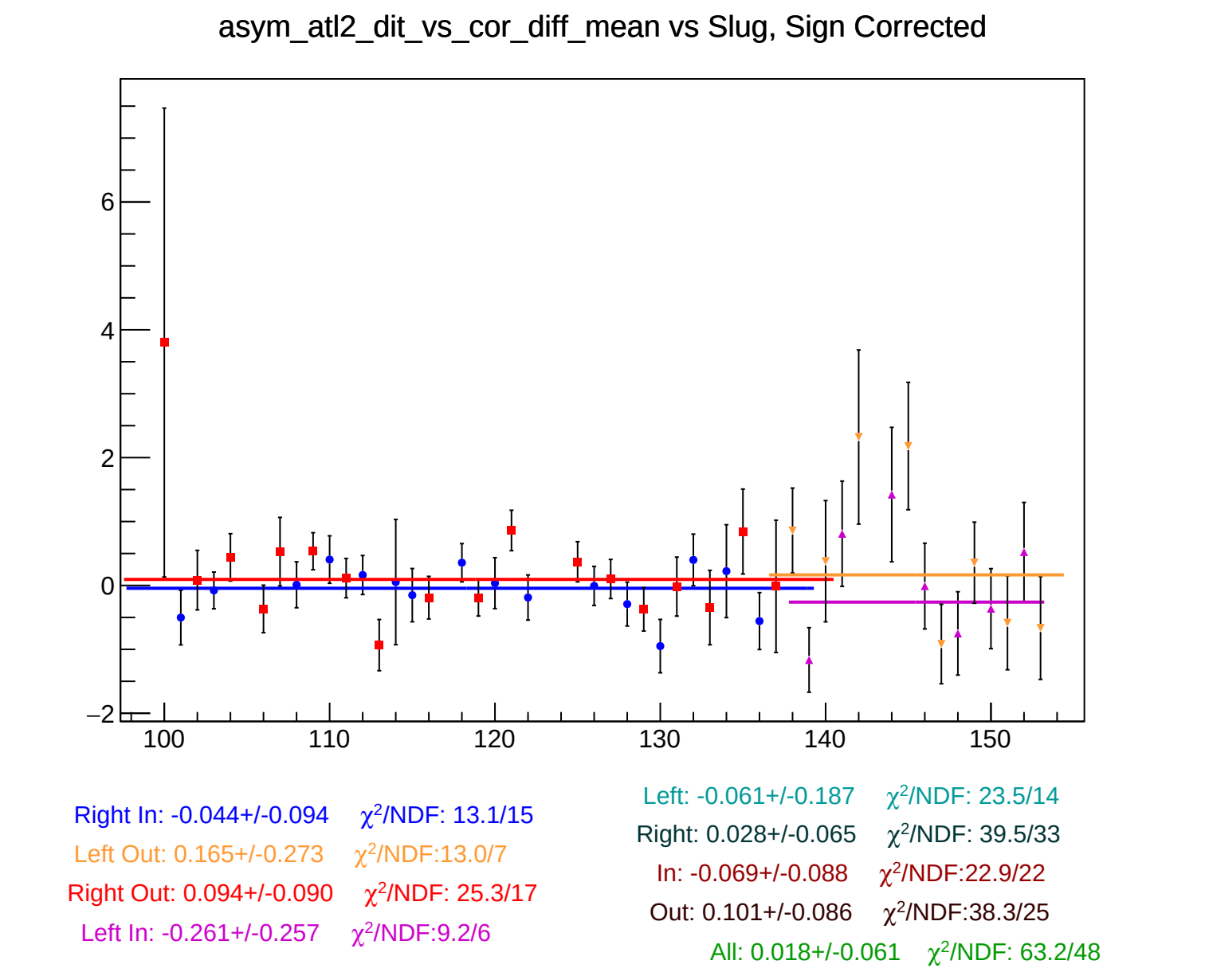
Left: 0.000+/-0.000 χ^2/NDF: 5737201.2/15

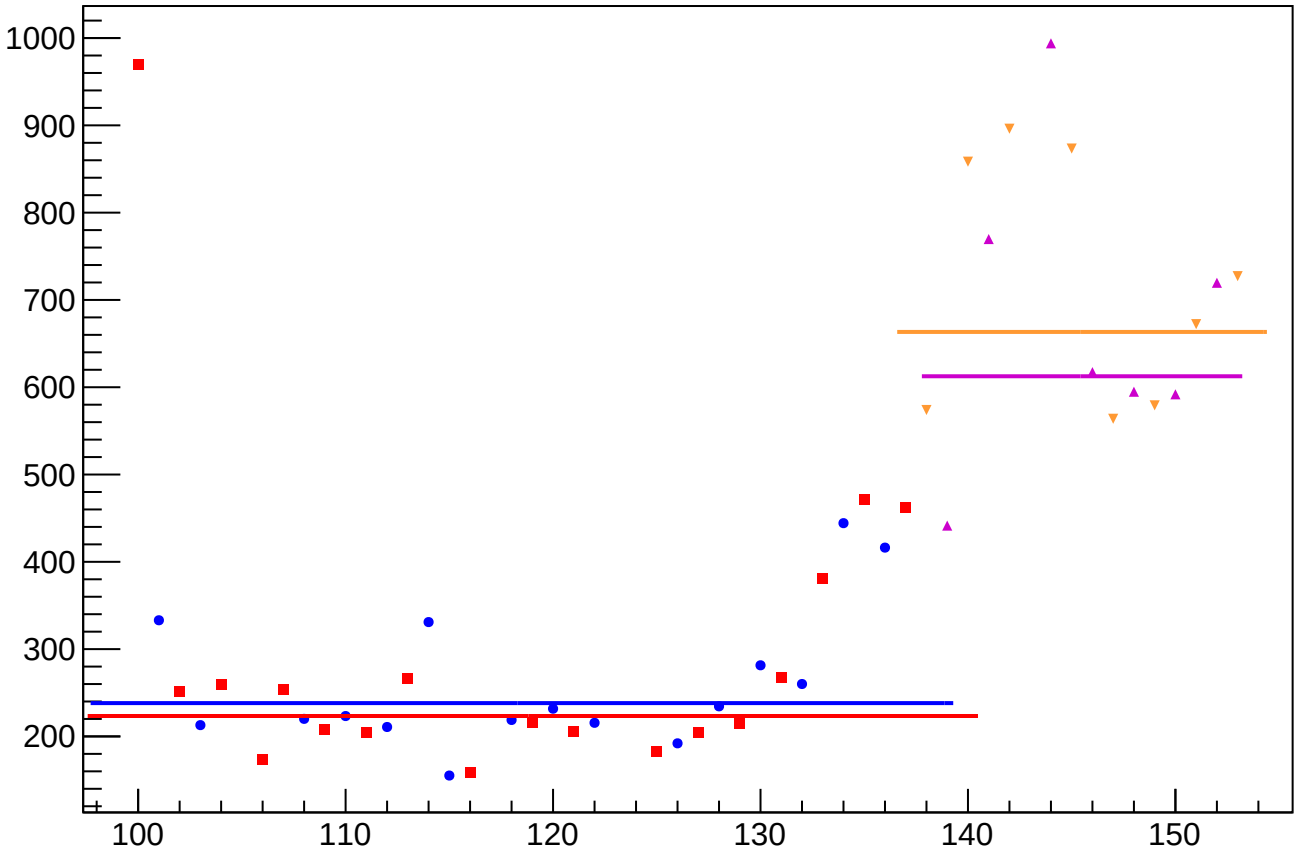
Right: 0.000+/-0.000 χ^2/NDF: 4027379.9/34

In: 0.000+/-0.000 χ^2/NDF:2348506.5/22

Out: 0.000+/-0.000 χ^2/NDF:7398954.1/27

All: 0.000+/-0.000 χ^2/NDF: 12307901.5/50


asym_atl2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
6
4
2
0
−2
100
110
120
130
140
150
Right In: -0.044+/-0.094 χ²/NDF: 13.1/15
Left Out: 0.165+/-0.273 χ²/NDF:13.0/7
Right Out: 0.094+/-0.090 χ²/NDF: 25.3/17
Left In: -0.261+/-0.257 χ²/NDF:9.2/6
Left: -0.061+/-0.187 χ²/NDF: 23.5/14
Right: 0.028+/-0.065 χ²/NDF: 39.5/33
In: -0.069+/-0.088 χ²/NDF:22.9/22
Out: 0.101+/-0.086 χ²/NDF:38.3/25
All: 0.018+/-0.061 χ²/NDF: 63.2/48



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 663.359+/-0.193 χ^2/NDF:367241.0/7

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 612.564+/-0.182 χ^2/NDF:607275.5/6

Left: 636.442+/-0.132 χ^2/NDF: 1011132.7/14

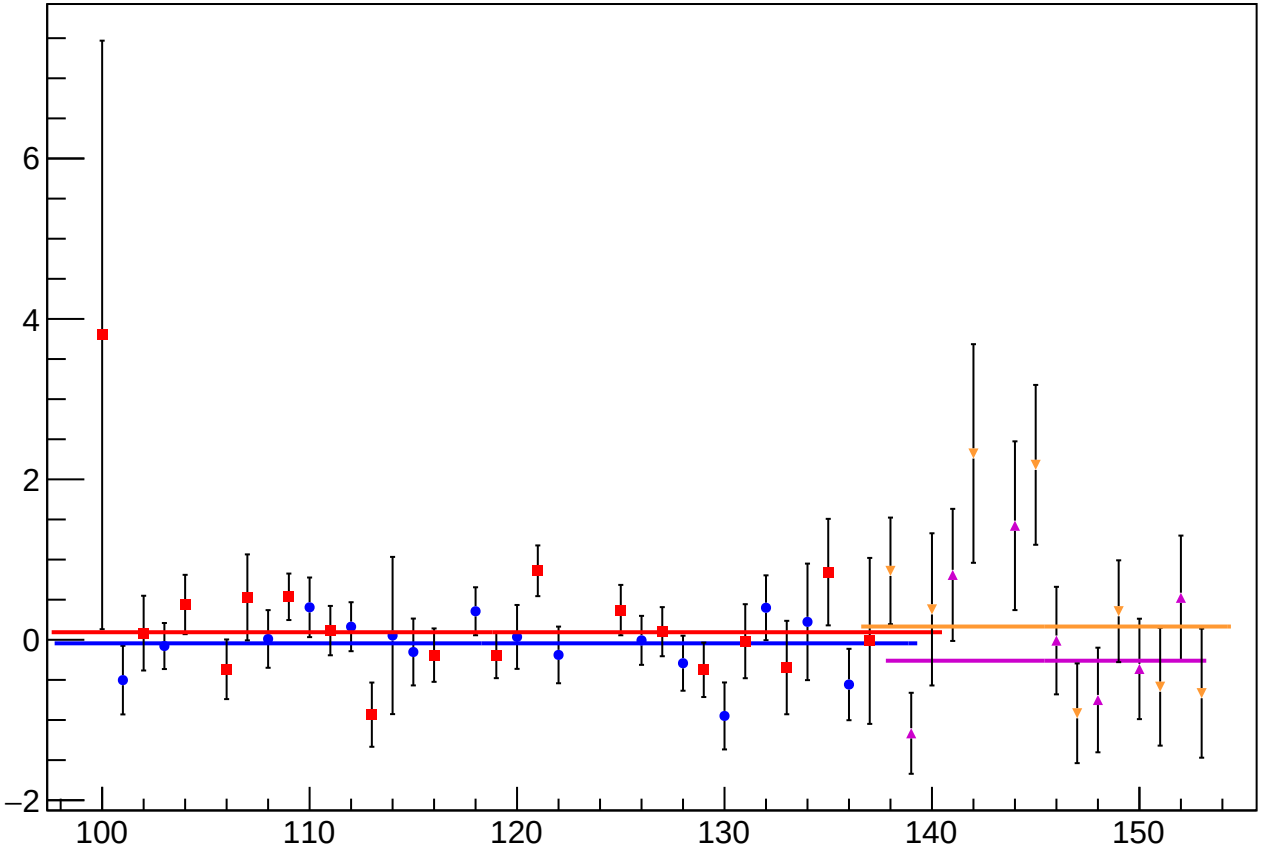
Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 282.058+/-0.062 χ^2/NDF:5150081.6/22

Out: 266.467+/-0.060 χ^2/NDF:5906015.2/25

All: 274.028+/-0.043 χ^2/NDF: 11088333.6/48

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.165+/-0.273 χ^2/NDF:13.0/7

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.261+/-0.257 χ^2/NDF:9.2/6

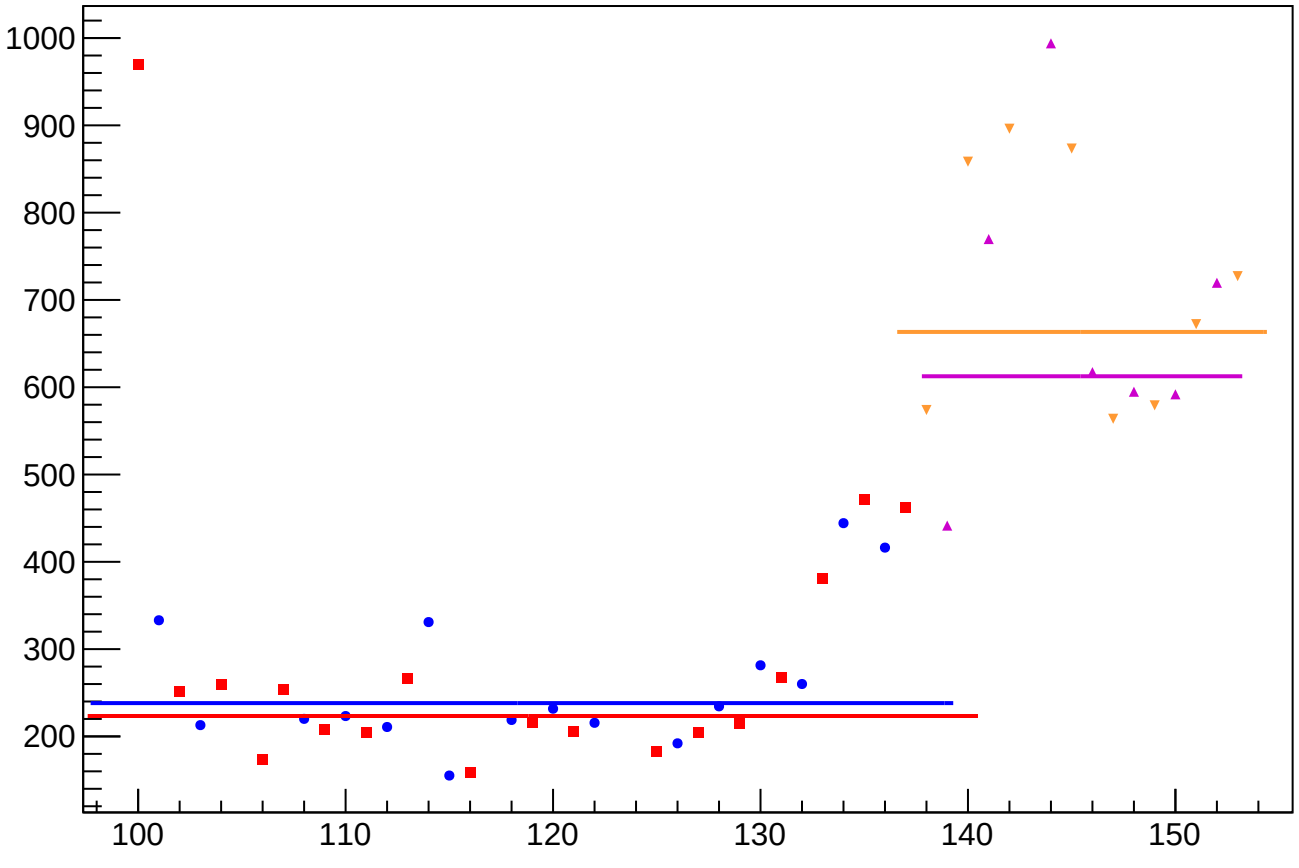
Left: -0.061+/-0.187 χ^2/NDF: 23.5/14

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.069+/-0.088 χ^2/NDF:22.9/22

Out: 0.101+/-0.086 χ^2/NDF:38.3/25

All: 0.018+/-0.061 χ^2/NDF: 63.2/48



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 663.359+/-0.193 χ^2/NDF:367241.0/7

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 612.564+/-0.182 χ^2/NDF:607275.5/6

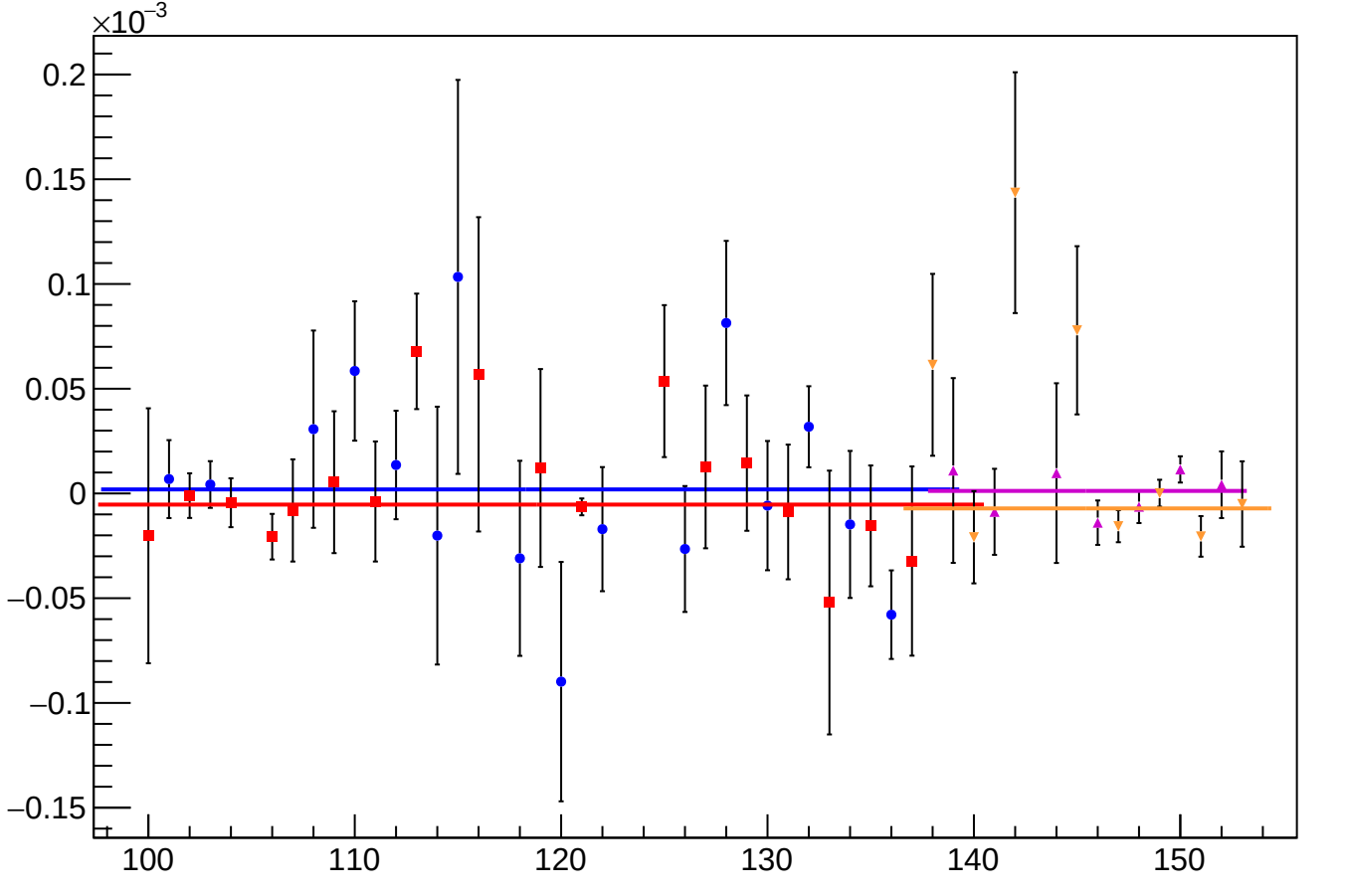
Left: 636.442+/-0.132 χ^2/NDF: 1011132.7/14

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 282.058+/-0.062 χ^2/NDF:5150081.6/22

Out: 266.467+/-0.060 χ^2/NDF:5906015.2/25

All: 274.028+/-0.043 χ^2/NDF: 11088333.6/48



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.7/7

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

Left In: 0.000+/-0.000 χ^2/NDF:6.0/6

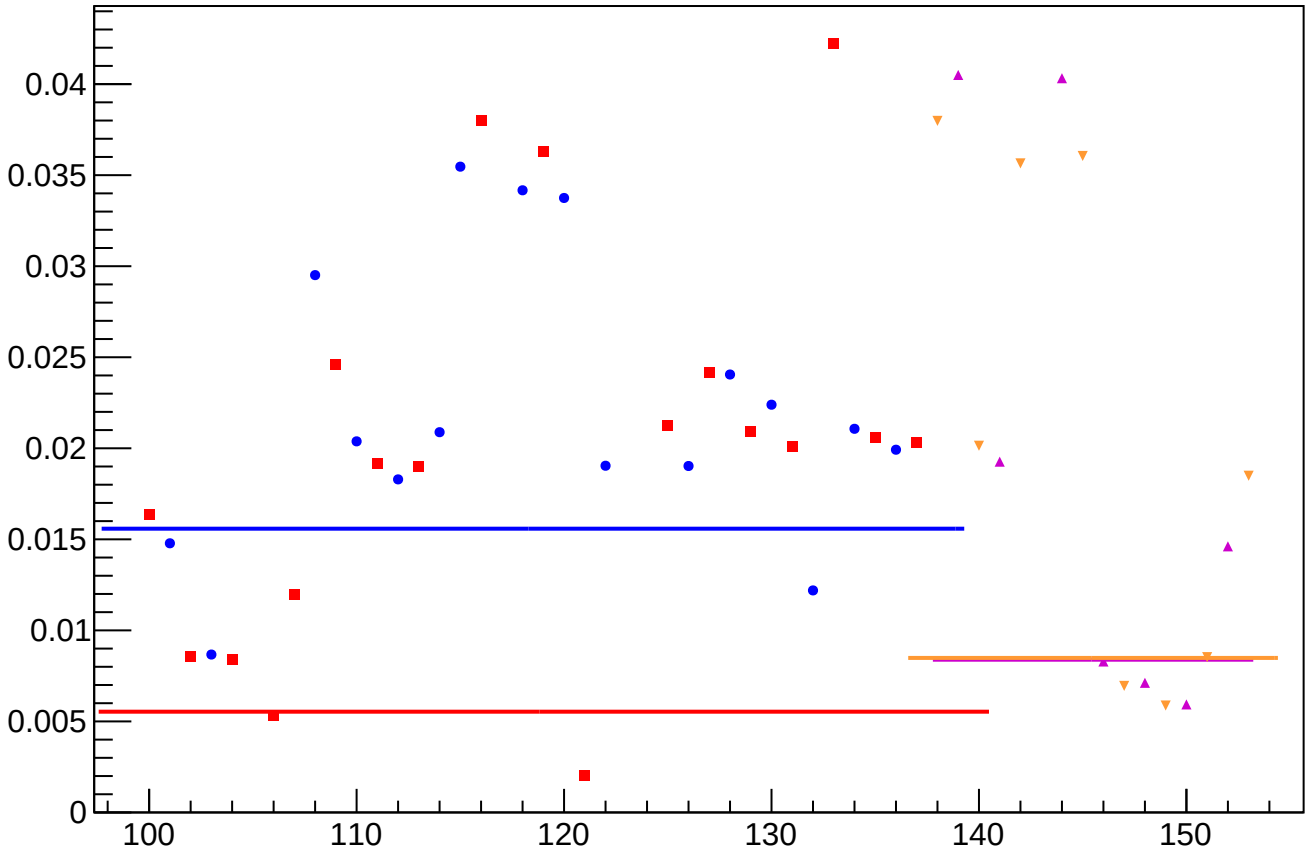
Left: -0.000+/-0.000 χ^2/NDF: 26.7/14

Right: -0.000+/-0.000 χ^2/NDF: 39.6/33

In: 0.000+/-0.000 χ^2/NDF:30.1/22

Out: -0.000+/-0.000 χ^2/NDF:33.3/25

All: -0.000+/-0.000 χ^2/NDF: 66.4/48



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:3765032.7/7

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

Left In: 0.008+/-0.000 χ^2/NDF:3395230.7/6

Left: 0.008+/-0.000 χ^2/NDF: 7160820.9/14

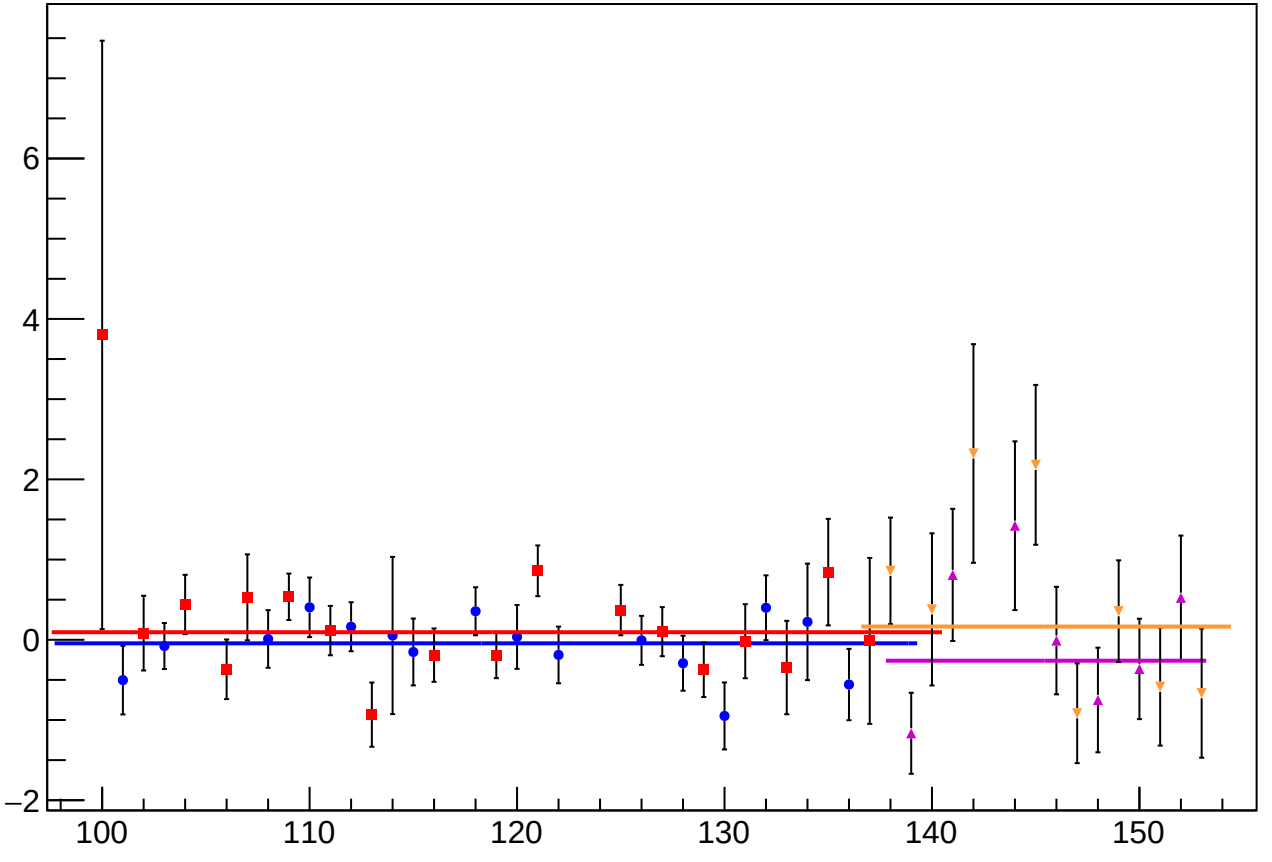
Right: 0.008+/-0.000 χ^2/NDF: 13999634.8/33

In: 0.011+/-0.000 χ^2/NDF:7259968.7/22

Out: 0.007+/-0.000 χ^2/NDF:12353742.5/25

All: 0.008+/-0.000 χ^2/NDF: 21253286.0/48

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: 0.165+/-0.273 χ^2/NDF:13.0/7

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.261+/-0.257 χ^2/NDF:9.2/6

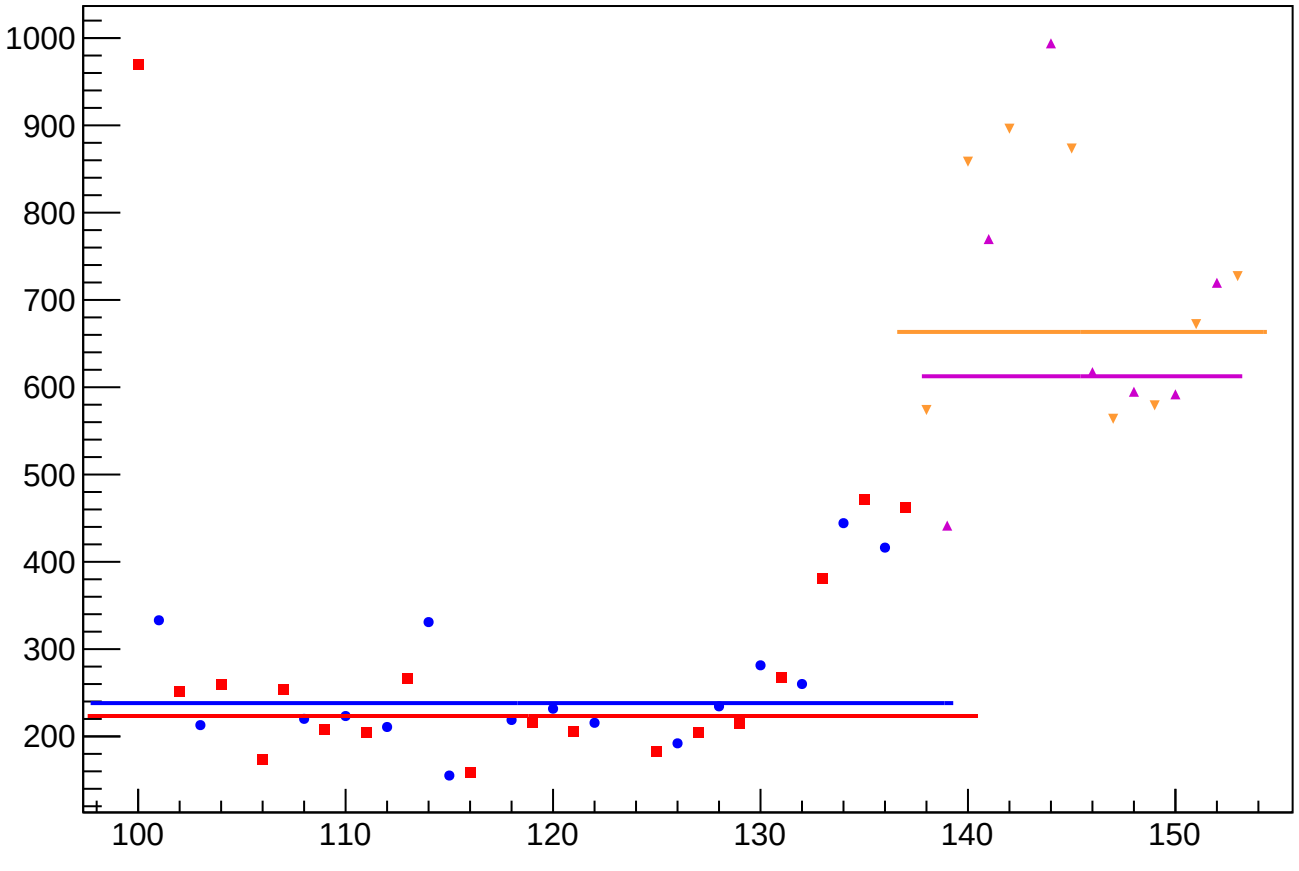
Left: -0.061+/-0.187 χ^2/NDF: 23.5/14

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.069+/-0.088 χ^2/NDF:22.9/22

Out: 0.101+/-0.086 χ^2/NDF:38.3/25

All: 0.018+/-0.061 χ^2/NDF: 63.2/48



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 663.364+/-0.193 χ^2/NDF:367273.5/7

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 612.572+/-0.182 χ^2/NDF:607256.3/6

Left: 636.449+/-0.132 χ^2/NDF: 1011140.1/14

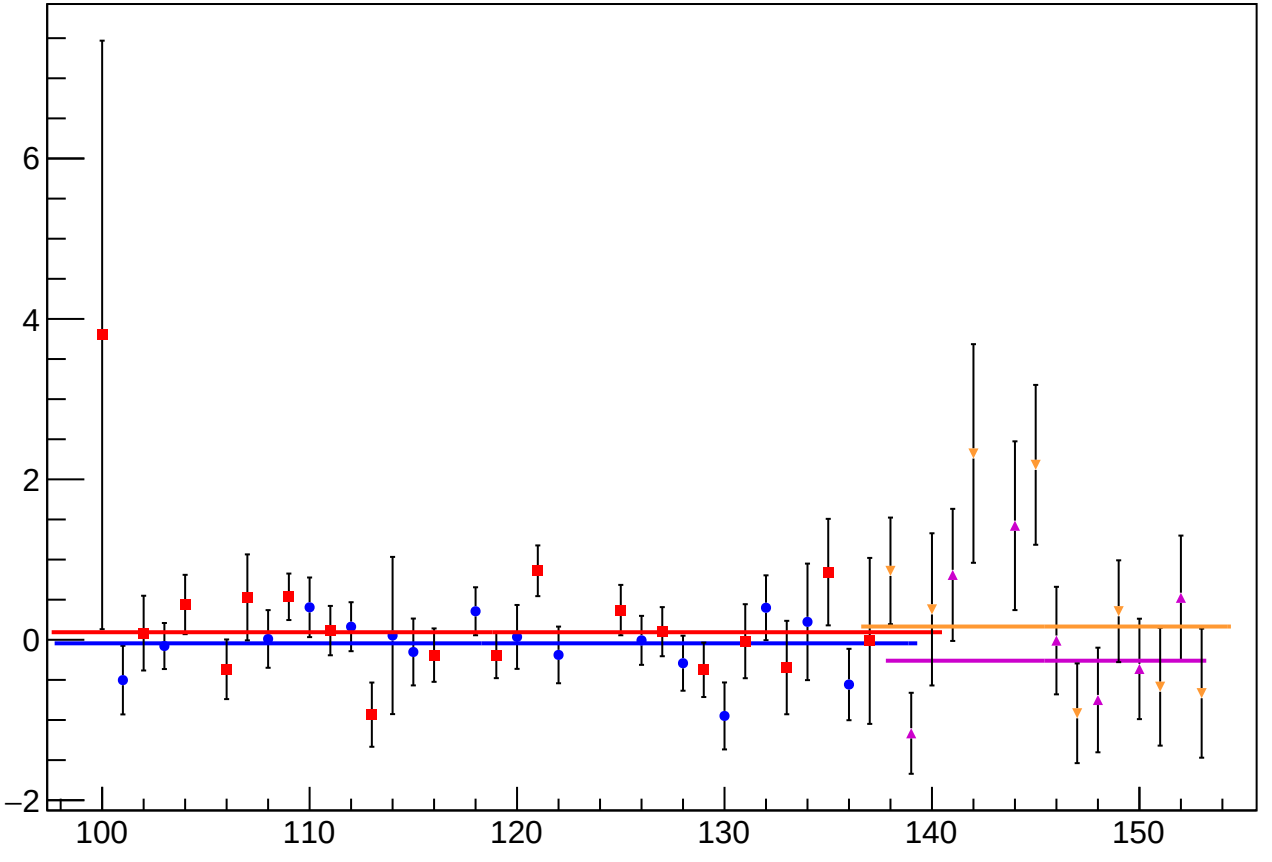
Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 282.058+/-0.062 χ^2/NDF:5150092.8/22

Out: 266.469+/-0.060 χ^2/NDF:5905985.2/25

All: 274.029+/-0.043 χ^2/NDF: 11088311.4/48

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: 0.165+/-0.273 χ^2/NDF:13.0/7

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.261+/-0.257 χ^2/NDF:9.2/6

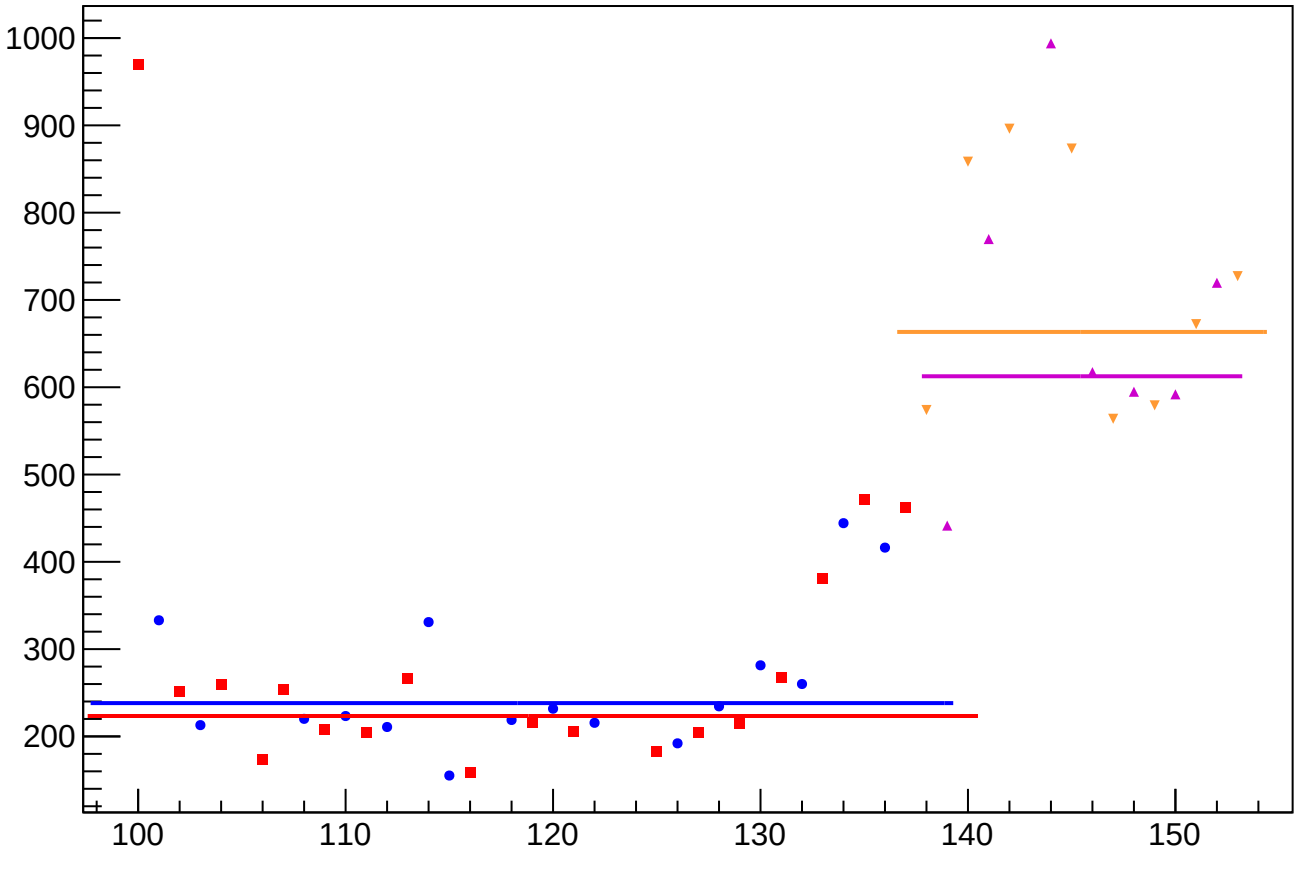
Left: -0.061+/-0.187 χ^2/NDF: 23.5/14

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.069+/-0.088 χ^2/NDF:22.9/22

Out: 0.101+/-0.086 χ^2/NDF:38.3/25

All: 0.018+/-0.061 χ^2/NDF: 63.2/48



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 663.364+/-0.193 χ^2/NDF:367273.5/7

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 612.572+/-0.182 χ^2/NDF:607256.3/6

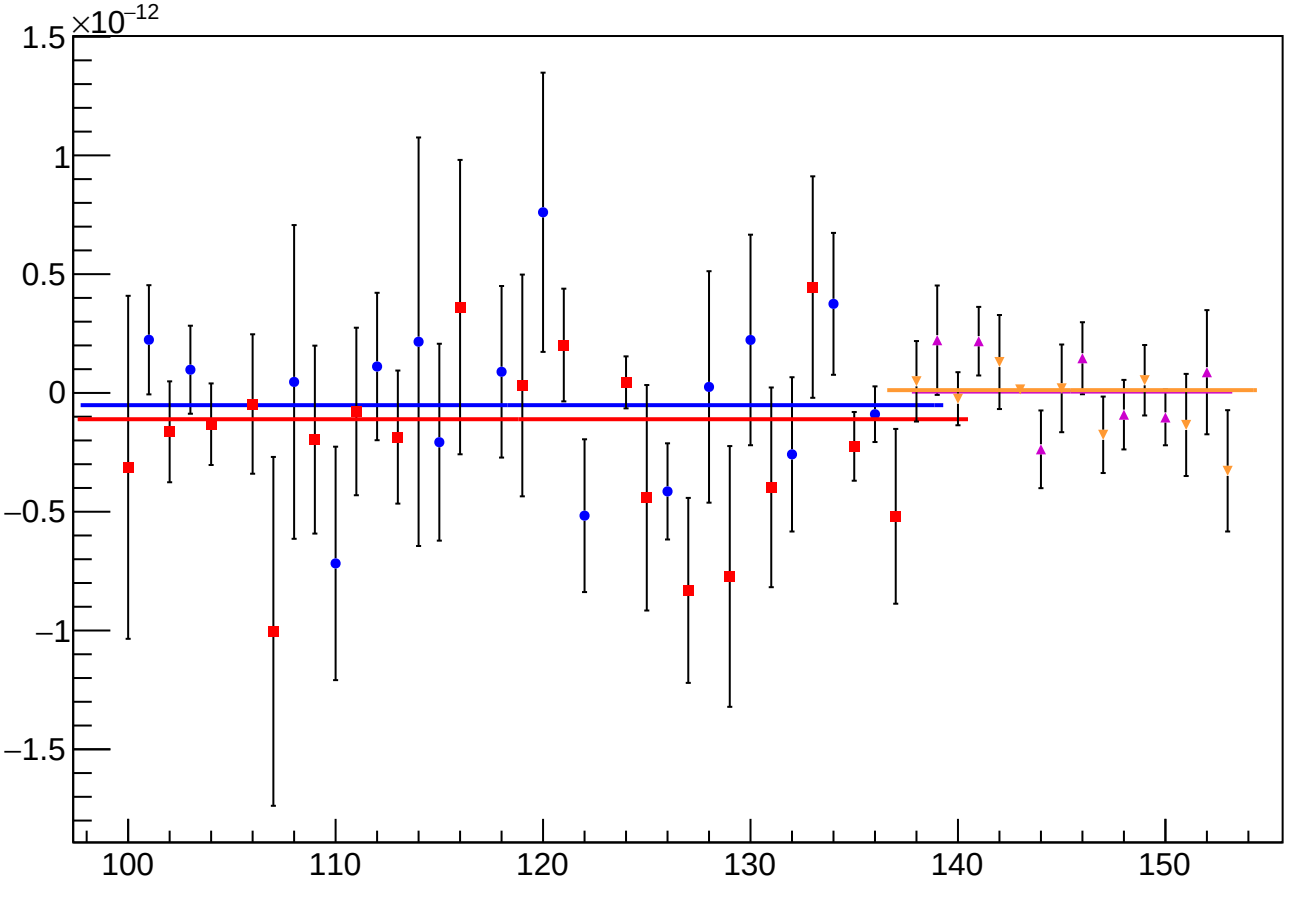
Left: 636.449+/-0.132 χ^2/NDF: 1011140.1/14

Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 282.058+/-0.062 χ^2/NDF:5150092.8/22

Out: 266.469+/-0.060 χ^2/NDF:5905985.2/25

All: 274.029+/-0.043 χ^2/NDF: 11088311.4/48



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.2/8

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: 0.000+/-0.000 χ^2/NDF:7.5/6

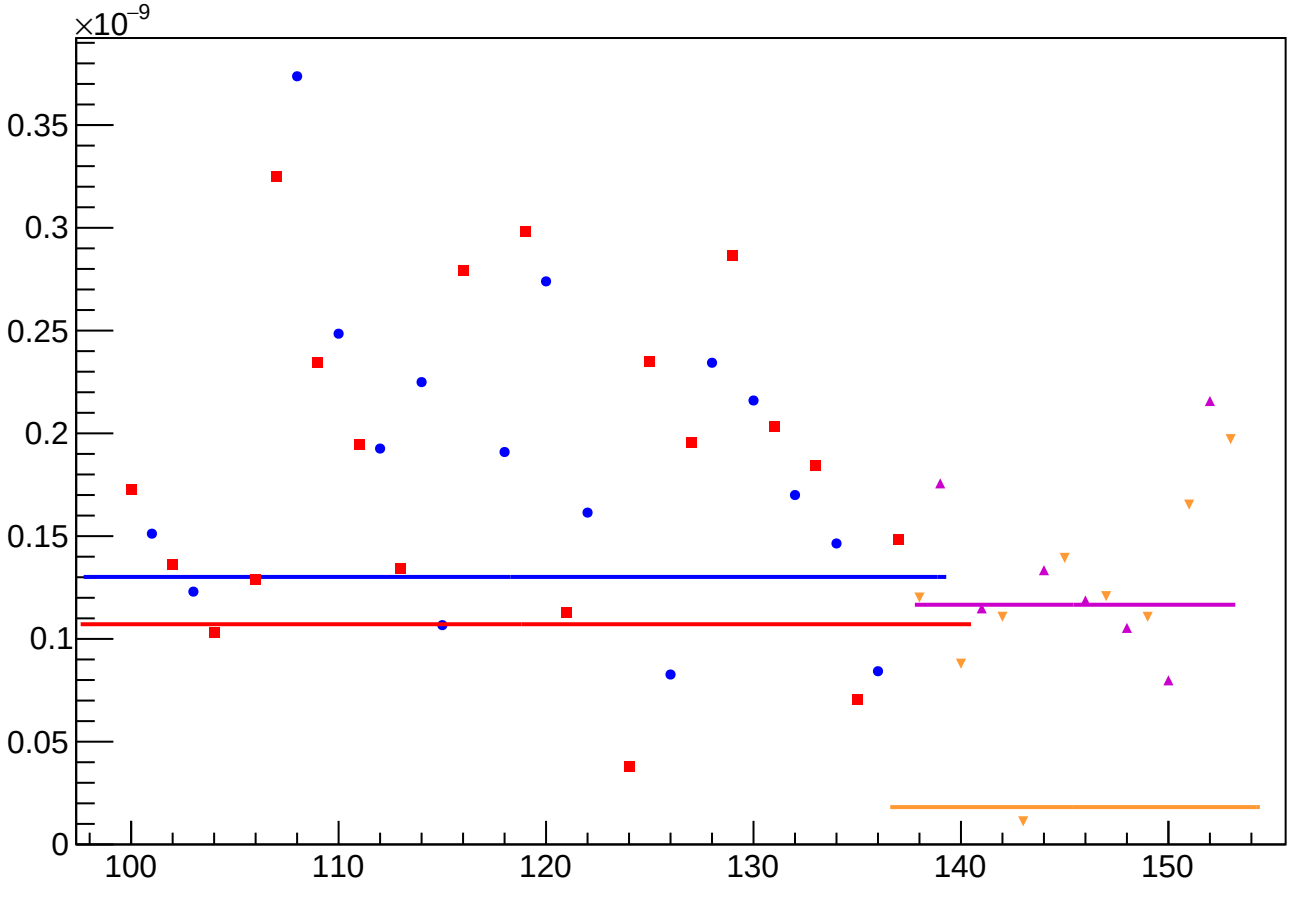
Left: 0.000+/-0.000 χ^2/NDF: 11.7/15

Right: -0.000+/-0.000 χ^2/NDF: 30.6/34

In: -0.000+/-0.000 χ^2/NDF:22.7/22

Out: 0.000+/-0.000 χ^2/NDF:23.6/27

All: 0.000+/-0.000 χ^2/NDF: 46.6/50



Right In: 0.000+/-0.000 χ^2/NDF: 1334266.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:6722479.3/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2656168.1/18

Left In: 0.000+/-0.000 χ^2/NDF:649753.6/6

Left: 0.000+/-0.000 χ^2/NDF: 12513433.1/15

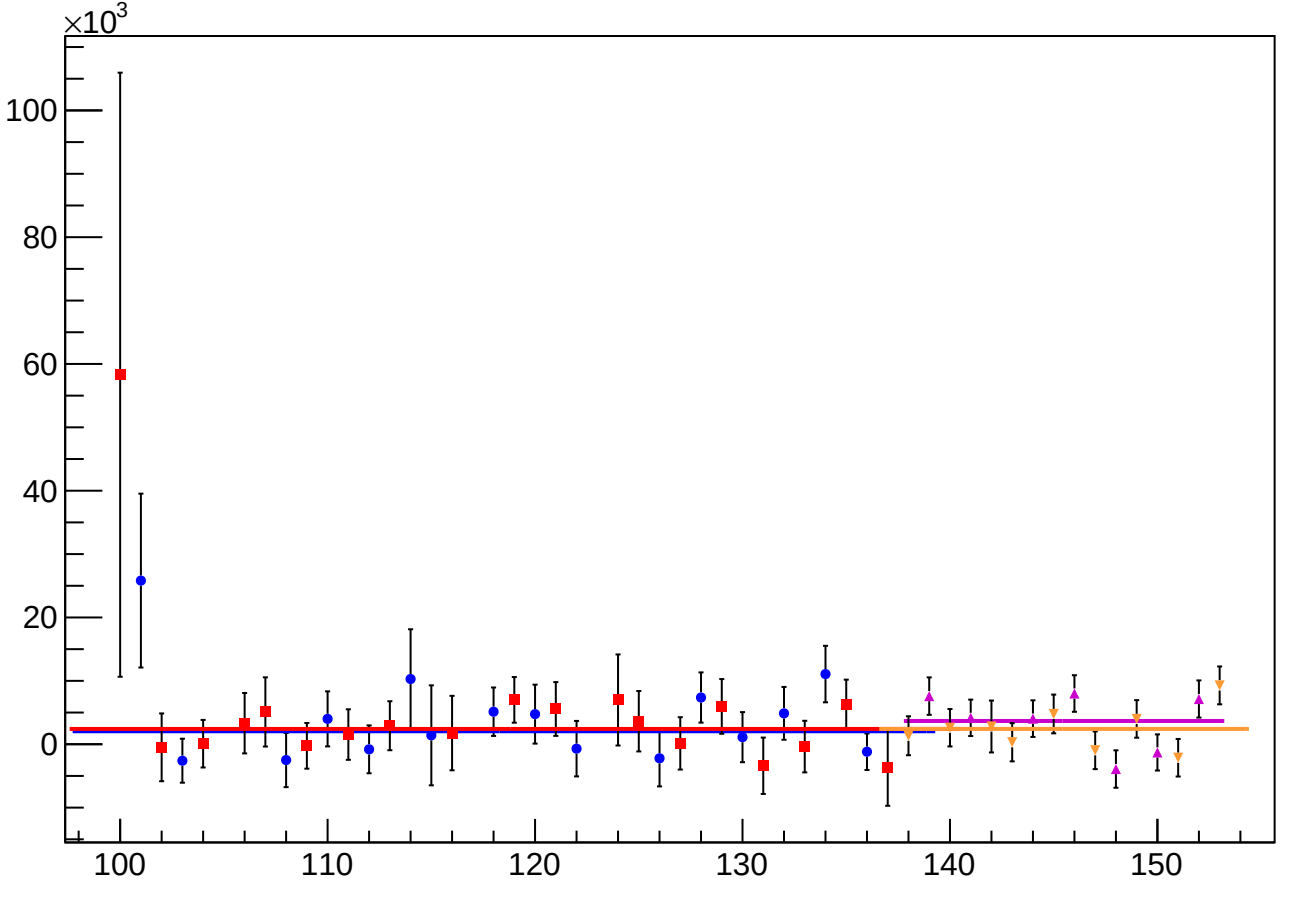
Right: 0.000+/-0.000 χ^2/NDF: 4122173.2/34

In: 0.000+/-0.000 χ^2/NDF:2029216.8/22

Out: 0.000+/-0.000 χ^2/NDF:13649443.3/27

All: 0.000+/-0.000 χ^2/NDF: 24581707.4/50

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2418.941+/-1025.694 χ^2/NDF:10.4/8

Right Out: 2411.858+/-1035.471 χ^2/NDF: 10.8/18

Left In: 3668.428+/-1097.880 χ^2/NDF:15.1/6

Left: 3001.260+/-749.496 χ^2/NDF: 26.2/15

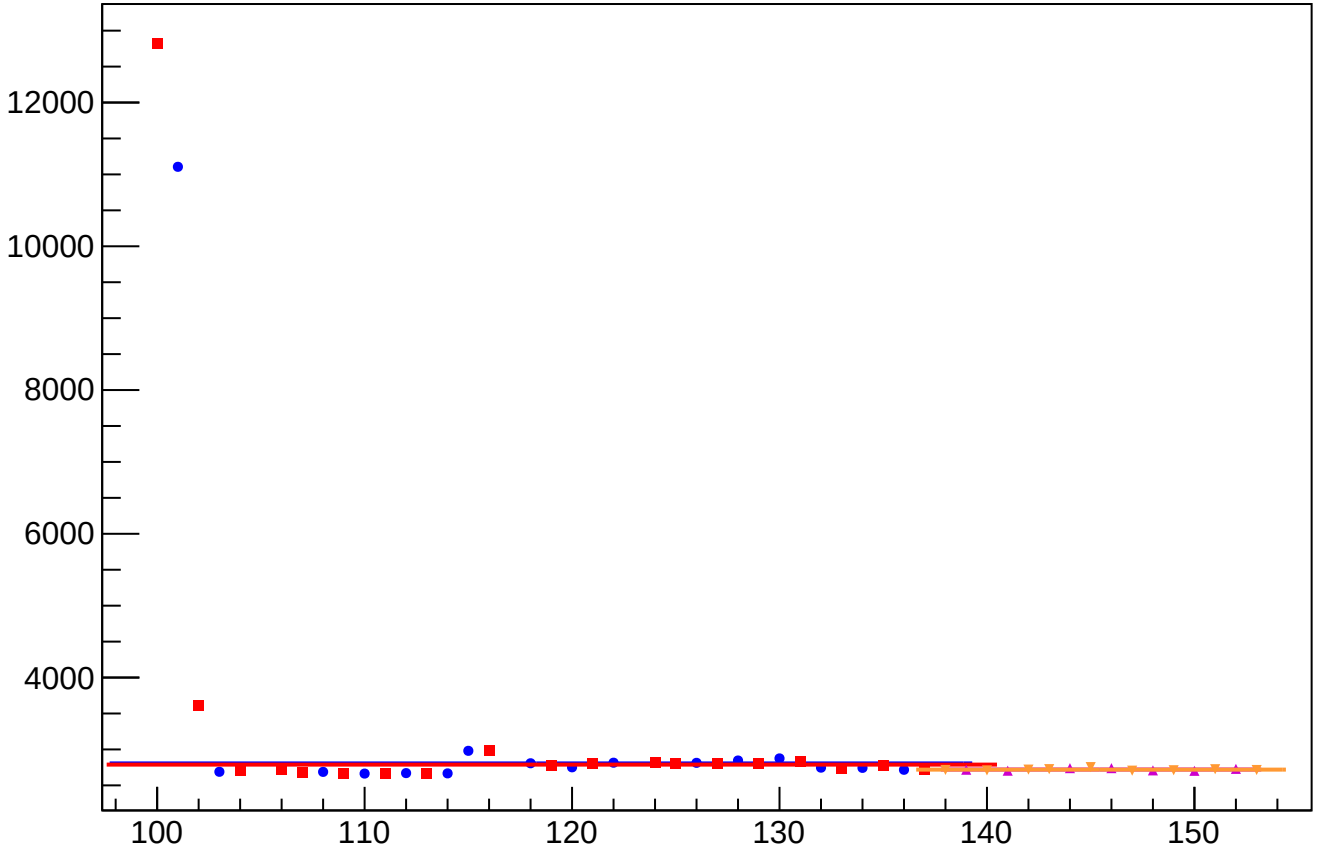
Right: 2236.684+/-744.229 χ^2/NDF: 28.6/34

In: 2838.442+/-766.416 χ^2/NDF:34.0/22

Out: 2415.433+/-728.707 χ^2/NDF:21.2/27

All: 2616.276+/-528.102 χ^2/NDF: 55.3/50

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2719.130+/-0.725 χ^2/NDF:377.6/8

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

Left In: 2720.310+/-0.776 χ^2/NDF:373.3/6

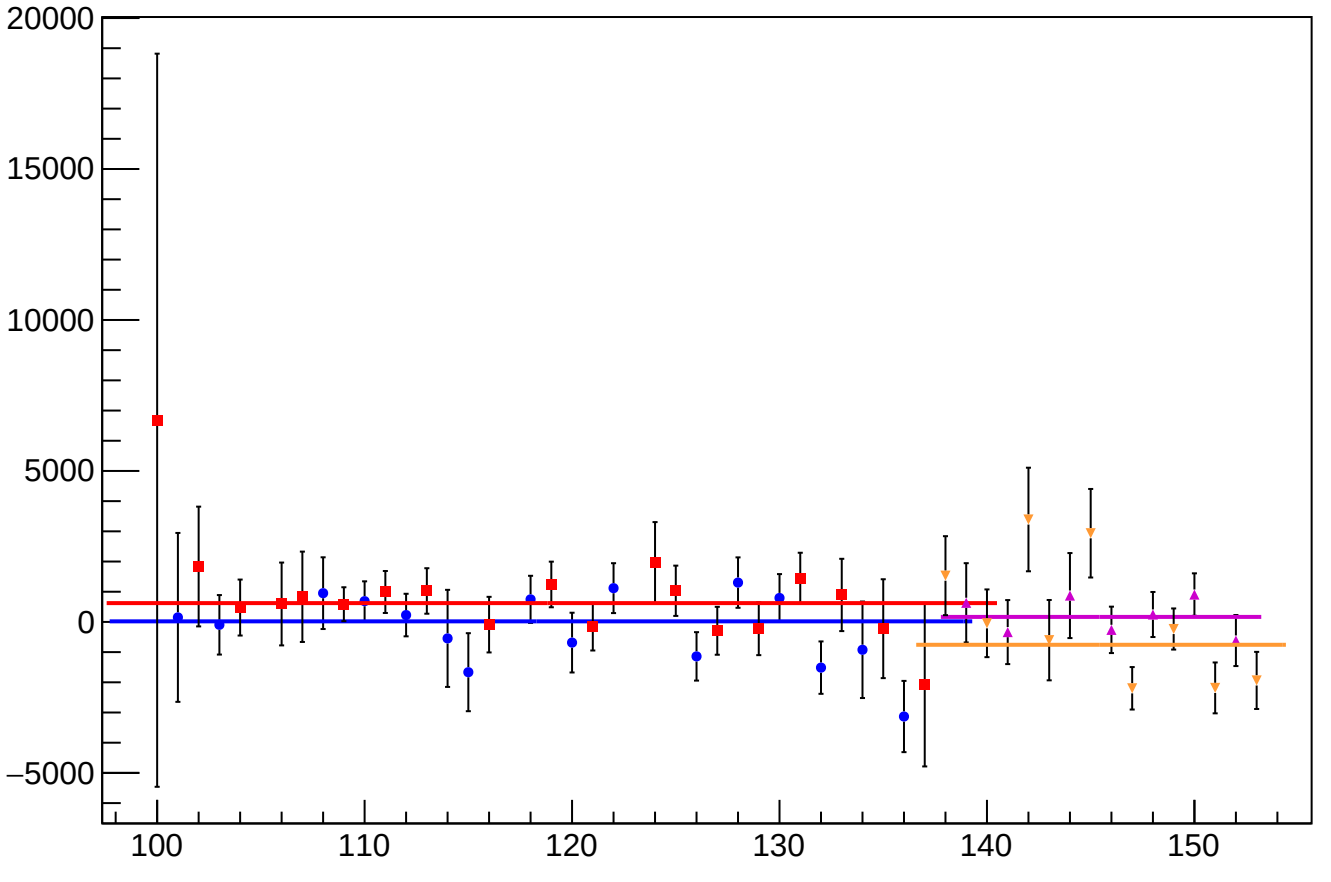
Left: 2719.680+/-0.530 χ^2/NDF: 752.1/15

Right: 2796.857+/-0.526 χ^2/NDF: 893488.2/34

In: 2763.957+/-0.542 χ^2/NDF:752779.6/22

Out: 2753.644+/-0.515 χ^2/NDF:151948.7/27

All: 2758.541+/-0.373 χ^2/NDF: 904918.4/50



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: -757.209+/-325.205 χ^2/NDF:24.9/8

Right Out: 623.107+/-215.948 χ^2/NDF: 9.3/18

Left In: 165.965+/-335.479 χ^2/NDF:2.9/6

Left: -309.974+/-233.502 χ^2/NDF: 31.7/15

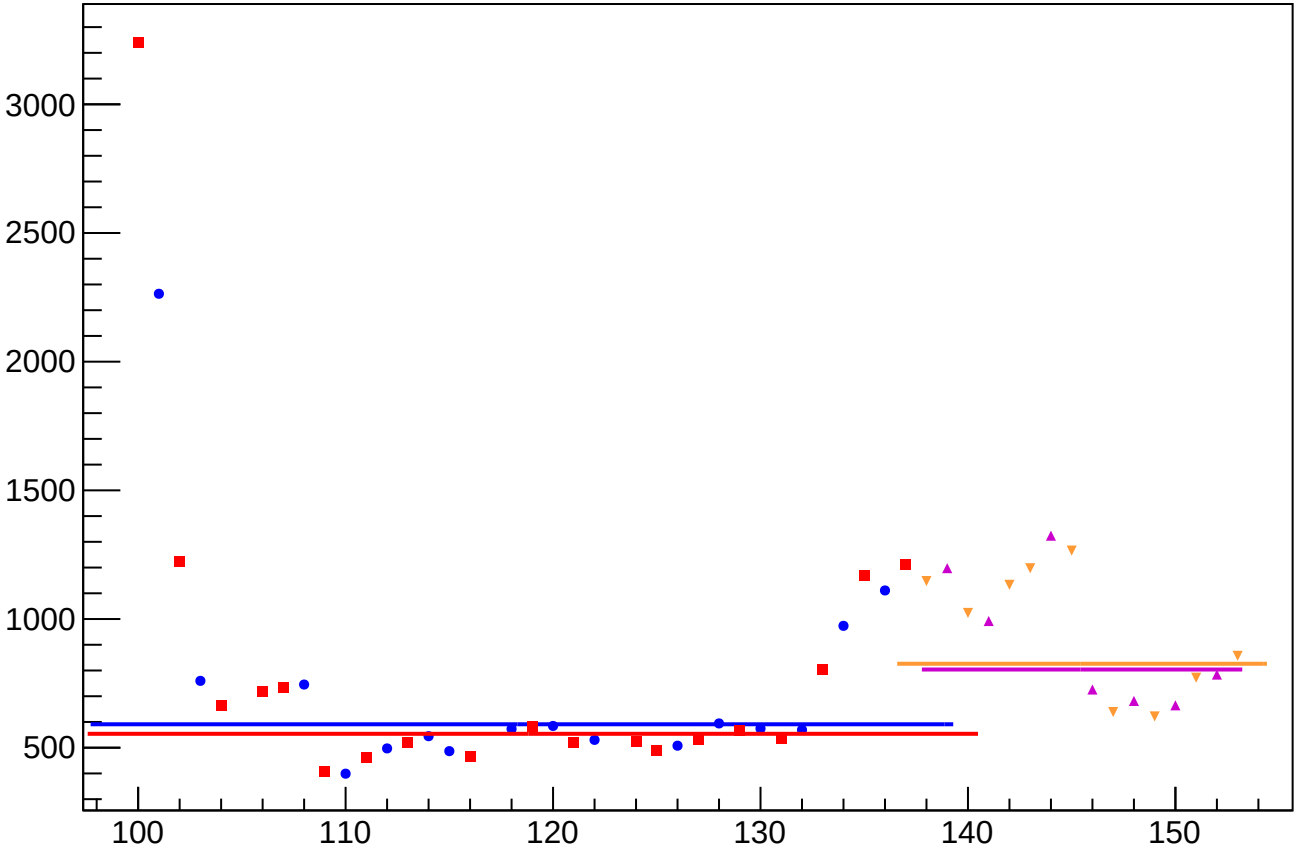
Right: 344.579+/-158.535 χ^2/NDF: 35.6/34

In: 66.944+/-191.639 χ^2/NDF:25.8/22

Out: 200.716+/-179.898 χ^2/NDF:46.7/27

All: 138.053+/-131.161 χ^2/NDF: 72.7/50

asym_atr1_reg_correction_rms vs Slug, Sign Corrected



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 826.233+/-0.230 χ^2/NDF:915475.8/8

Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

Left In: 803.781+/-0.237 χ^2/NDF:669538.6/6

Left: 815.356+/-0.165 χ^2/NDF: 1589632.4/15

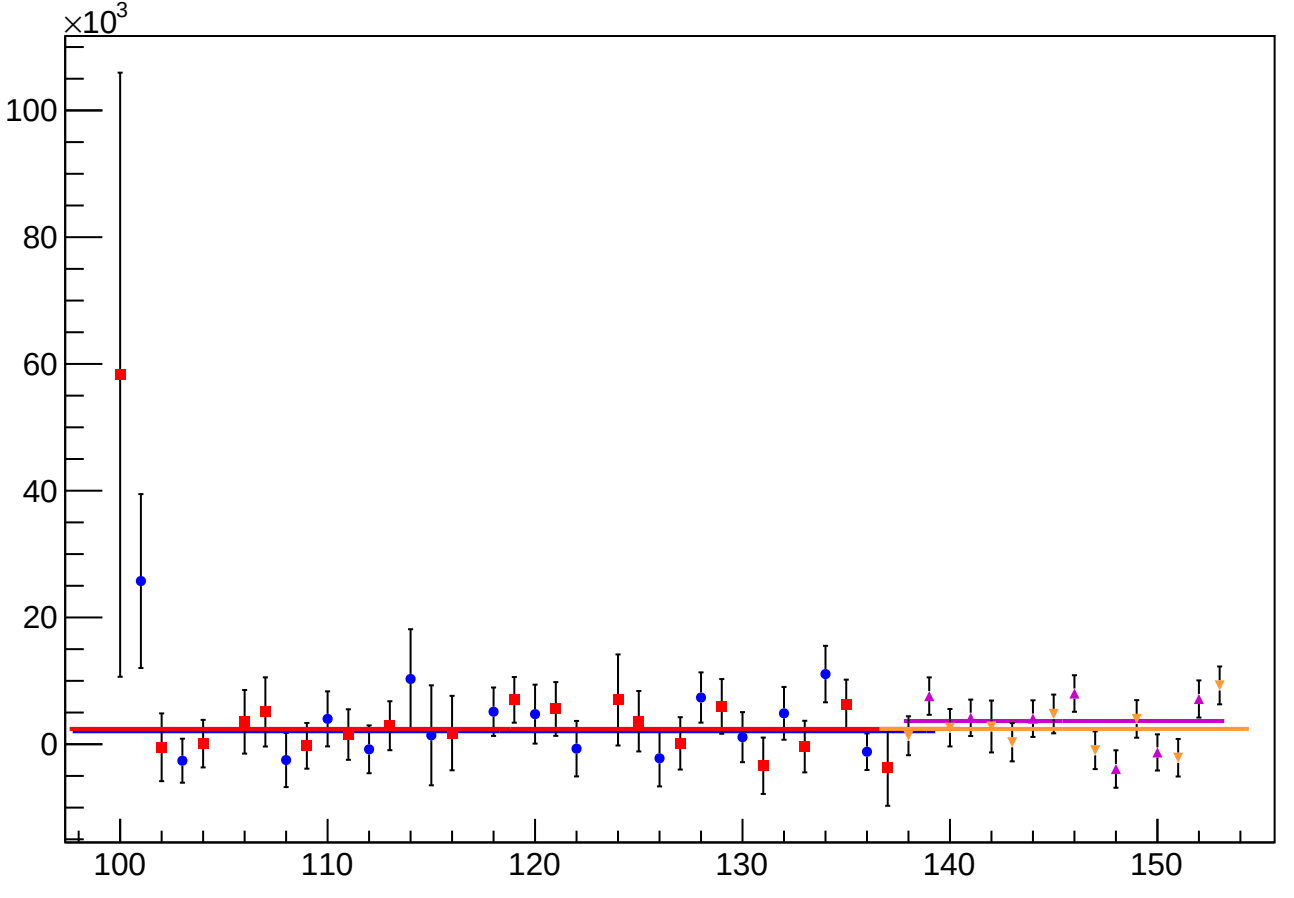
Right: 571.068+/-0.112 χ^2/NDF: 2711735.0/34

In: 660.461+/-0.136 χ^2/NDF:2779021.3/22

Out: 637.293+/-0.127 χ^2/NDF:3005153.2/27

All: 648.146+/-0.093 χ^2/NDF: 5799712.3/50

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2418.947+/-1025.694 χ^2/NDF:10.4/8

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 3668.690+/-1097.880 χ^2/NDF:15.1/6

Left: 3001.385+/-749.496 χ^2/NDF: 26.2/15

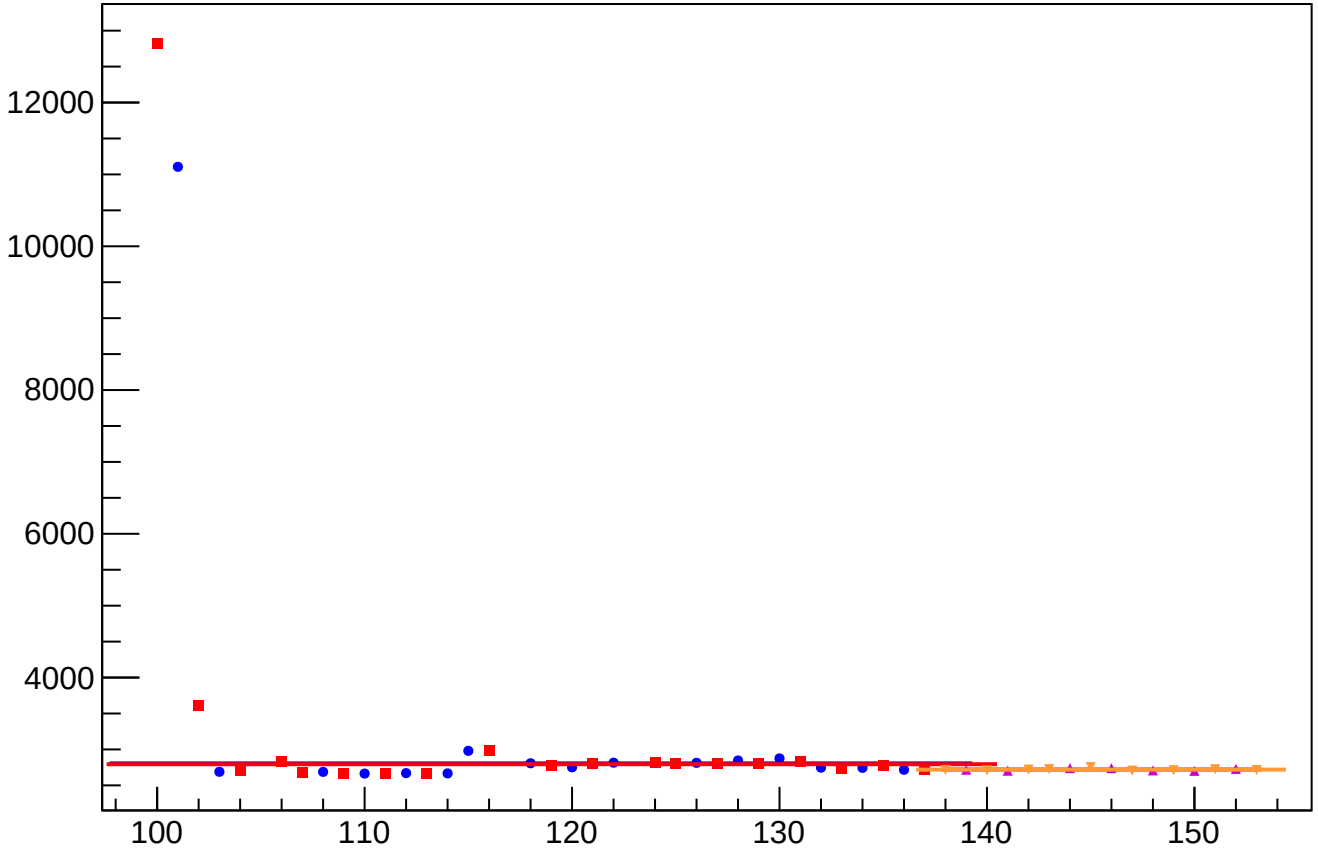
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2838.157+/-766.417 χ^2/NDF:34.0/22

Out: 2418.434+/-729.537 χ^2/NDF:21.2/27

All: 2617.955+/-528.417 χ^2/NDF: 55.3/50

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2719.130+/-0.725 χ^2/NDF:377.6/8

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2720.310+/-0.776 χ^2/NDF:373.3/6

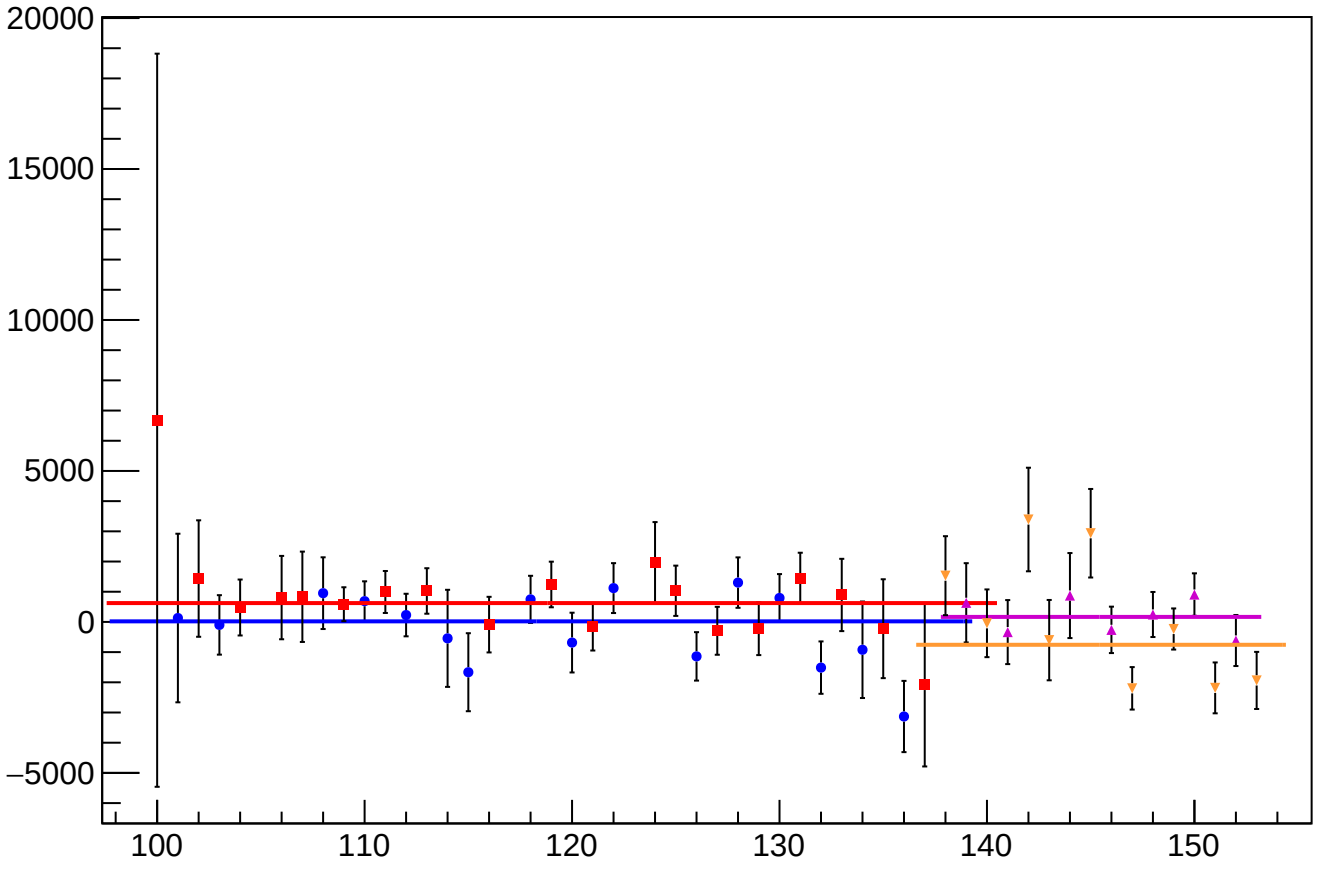
Left: 2719.680+/-0.530 χ^2/NDF: 752.1/15

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2763.957+/-0.542 χ^2/NDF:752778.7/22

Out: 2756.201+/-0.516 χ^2/NDF:152409.5/27

All: 2759.888+/-0.374 χ^2/NDF: 905295.6/50



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -757.196+/-325.203 χ^2/NDF:24.9/8

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 166.208+/-335.479 χ^2/NDF:2.9/6

Left: -309.853+/-233.502 χ^2/NDF: 31.7/15

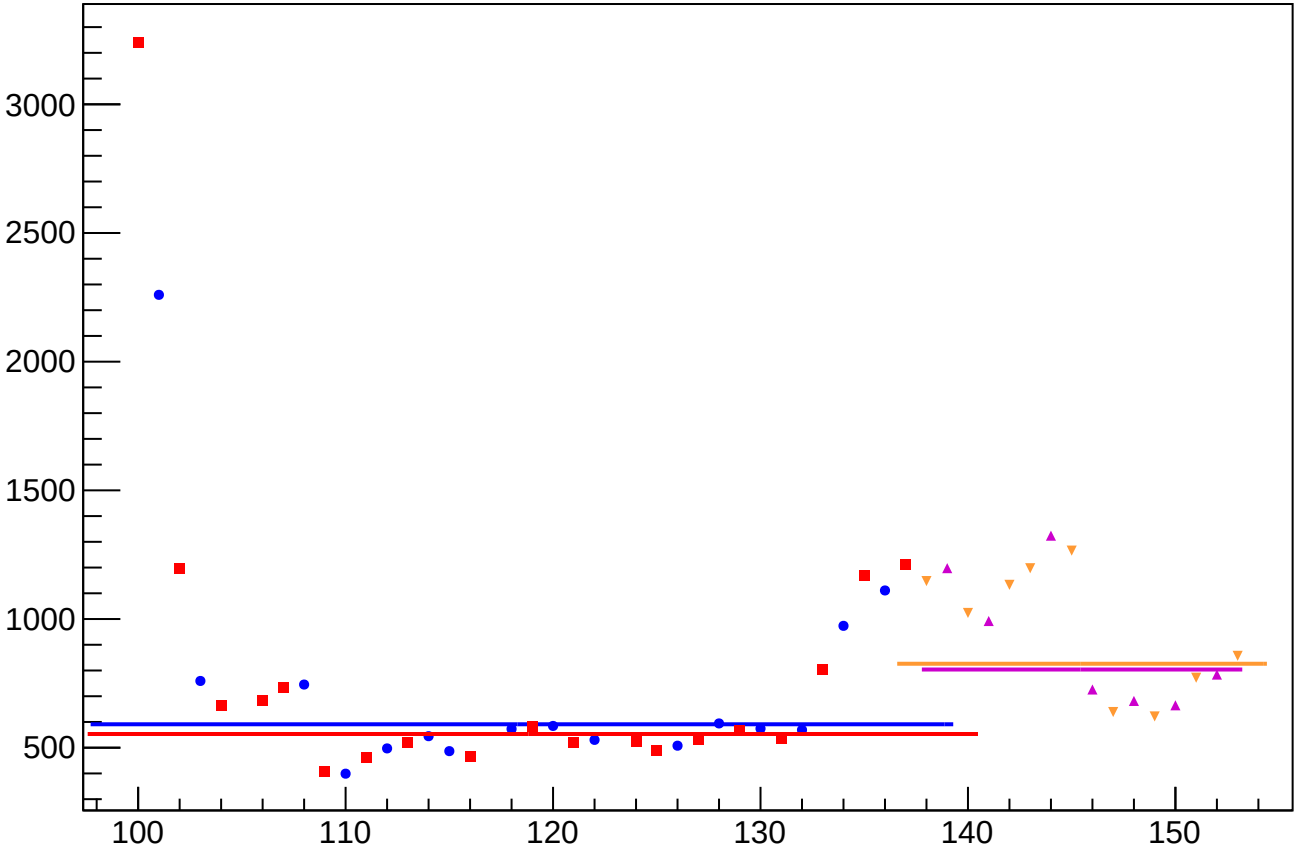
Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 66.992+/-191.633 χ^2/NDF:25.8/22

Out: 201.612+/-179.870 χ^2/NDF:46.5/27

All: 138.560+/-131.149 χ^2/NDF: 72.6/50

asym_atr1_cor_correction_rms vs Slug, Sign Corrected



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 826.226+/-0.230 χ^2/NDF:915483.6/8

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 803.781+/-0.237 χ^2/NDF:669529.3/6

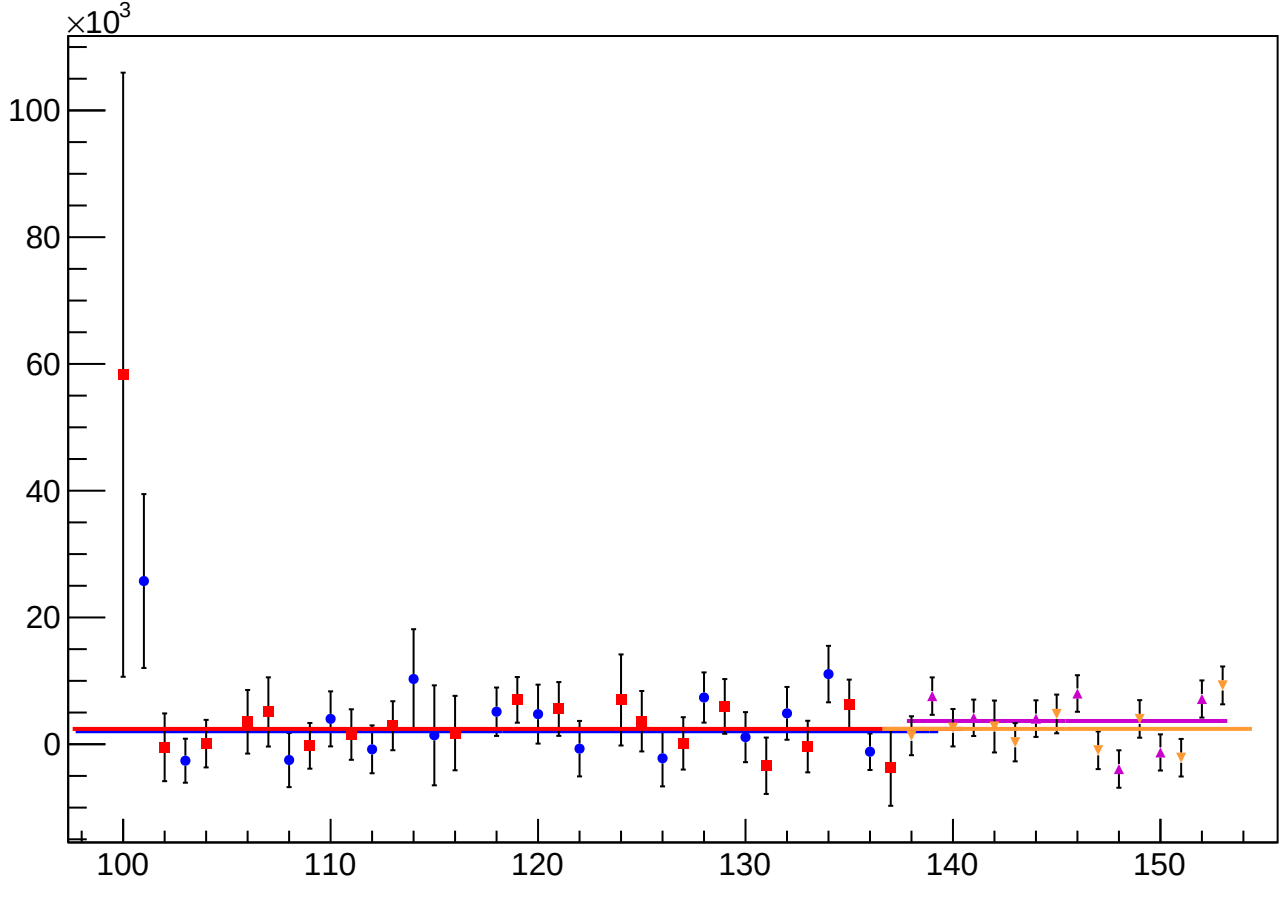
Left: 815.353+/-0.165 χ^2/NDF: 1589628.0/15

Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 660.455+/-0.136 χ^2/NDF:2778010.9/22

Out: 636.747+/-0.127 χ^2/NDF:2995343.1/27

All: 647.852+/-0.093 χ^2/NDF: 5789627.9/50



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2418.947+/-1025.694 χ^2/NDF:10.4/8

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 3668.690+/-1097.880 χ^2/NDF:15.1/6

Left: 3001.385+/-749.496 χ^2/NDF: 26.2/15

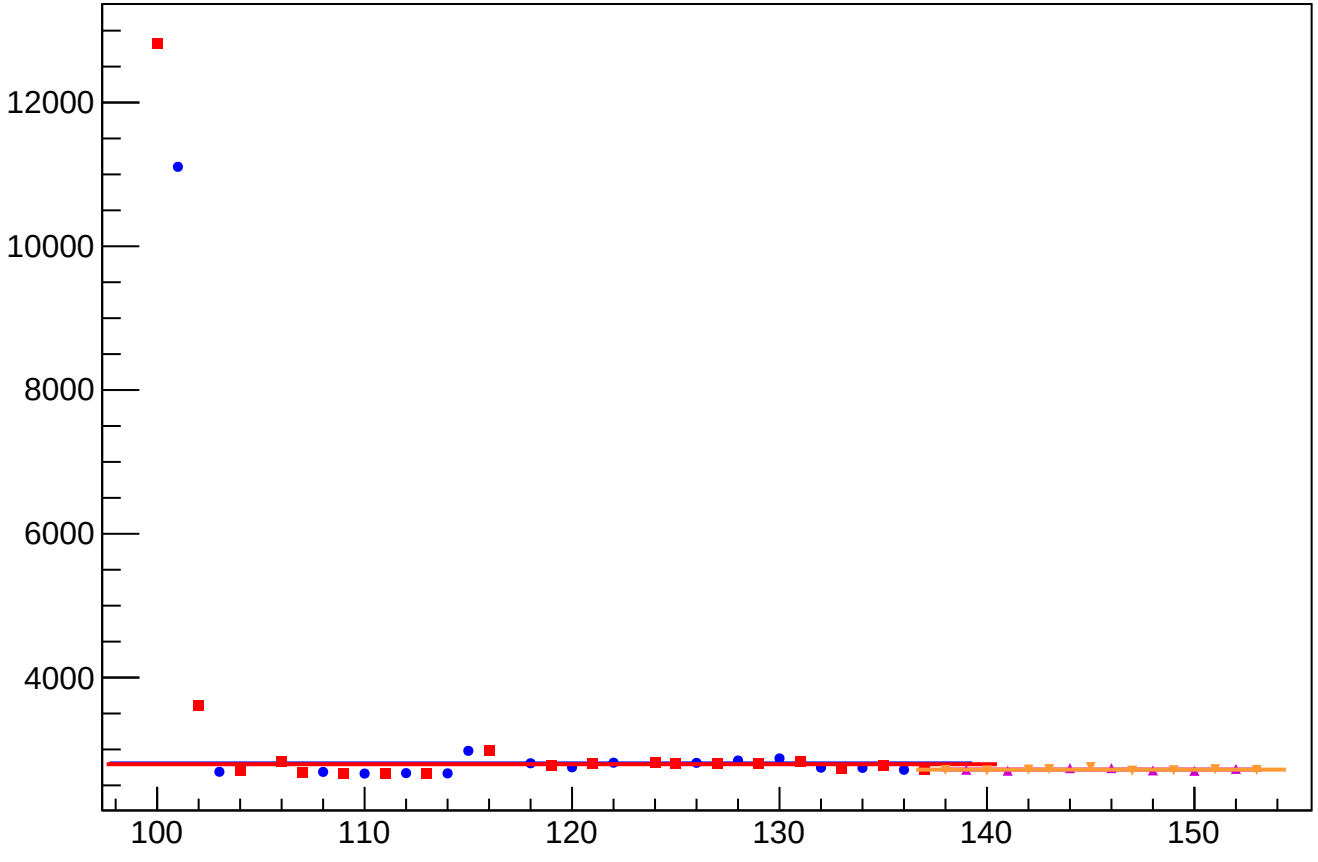
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2838.157+/-766.417 χ^2/NDF:34.0/22

Out: 2418.434+/-729.537 χ^2/NDF:21.2/27

All: 2617.955+/-528.417 χ^2/NDF: 55.3/50

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2719.130+/-0.725 χ^2/NDF:377.6/8

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2720.310+/-0.776 χ^2/NDF:373.3/6

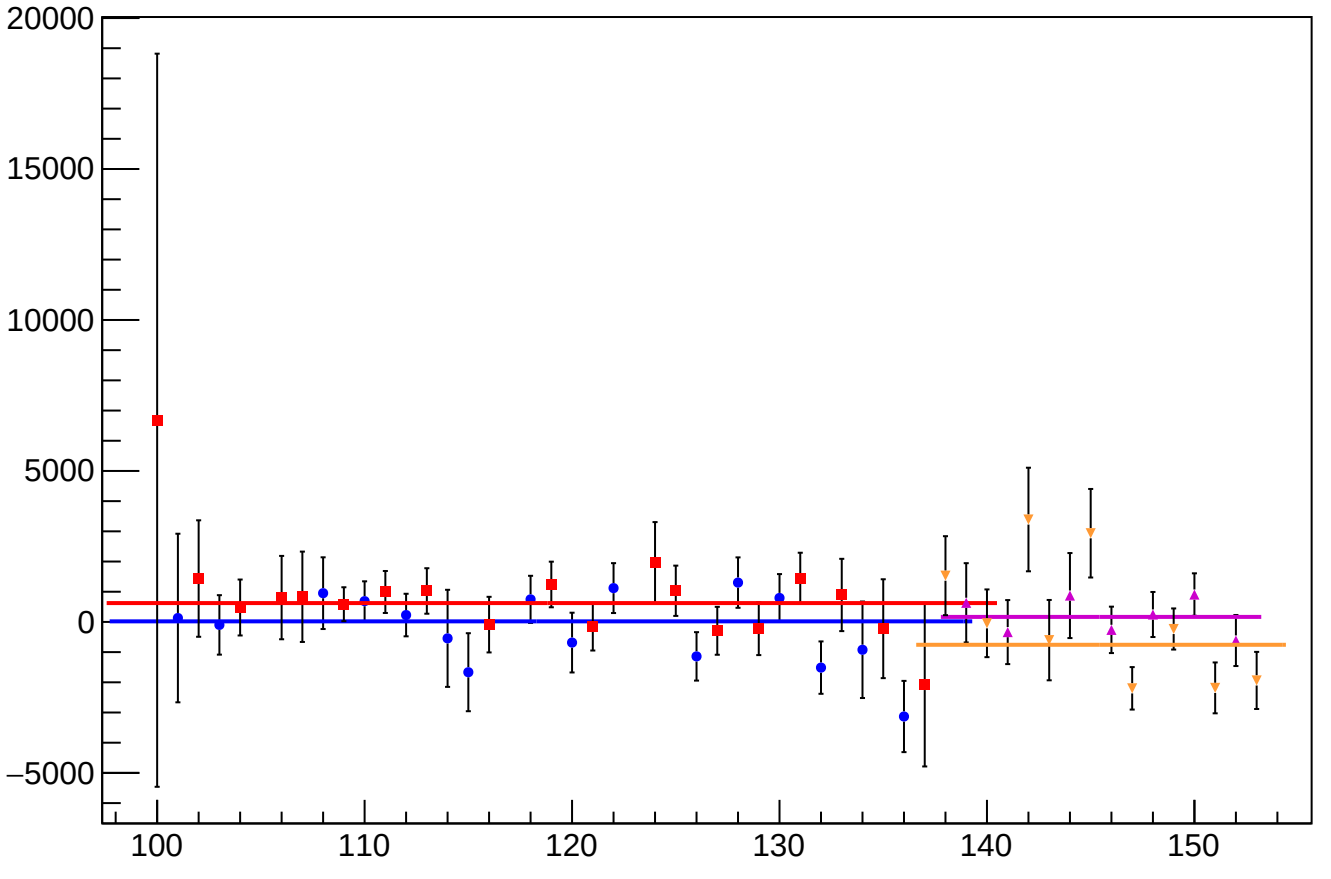
Left: 2719.680+/-0.530 χ^2/NDF: 752.1/15

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2763.957+/-0.542 χ^2/NDF:752778.7/22

Out: 2756.201+/-0.516 χ^2/NDF:152409.5/27

All: 2759.888+/-0.374 χ^2/NDF: 905295.6/50



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -757.196+/-325.203 χ^2/NDF:24.9/8

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 166.208+/-335.479 χ^2/NDF:2.9/6

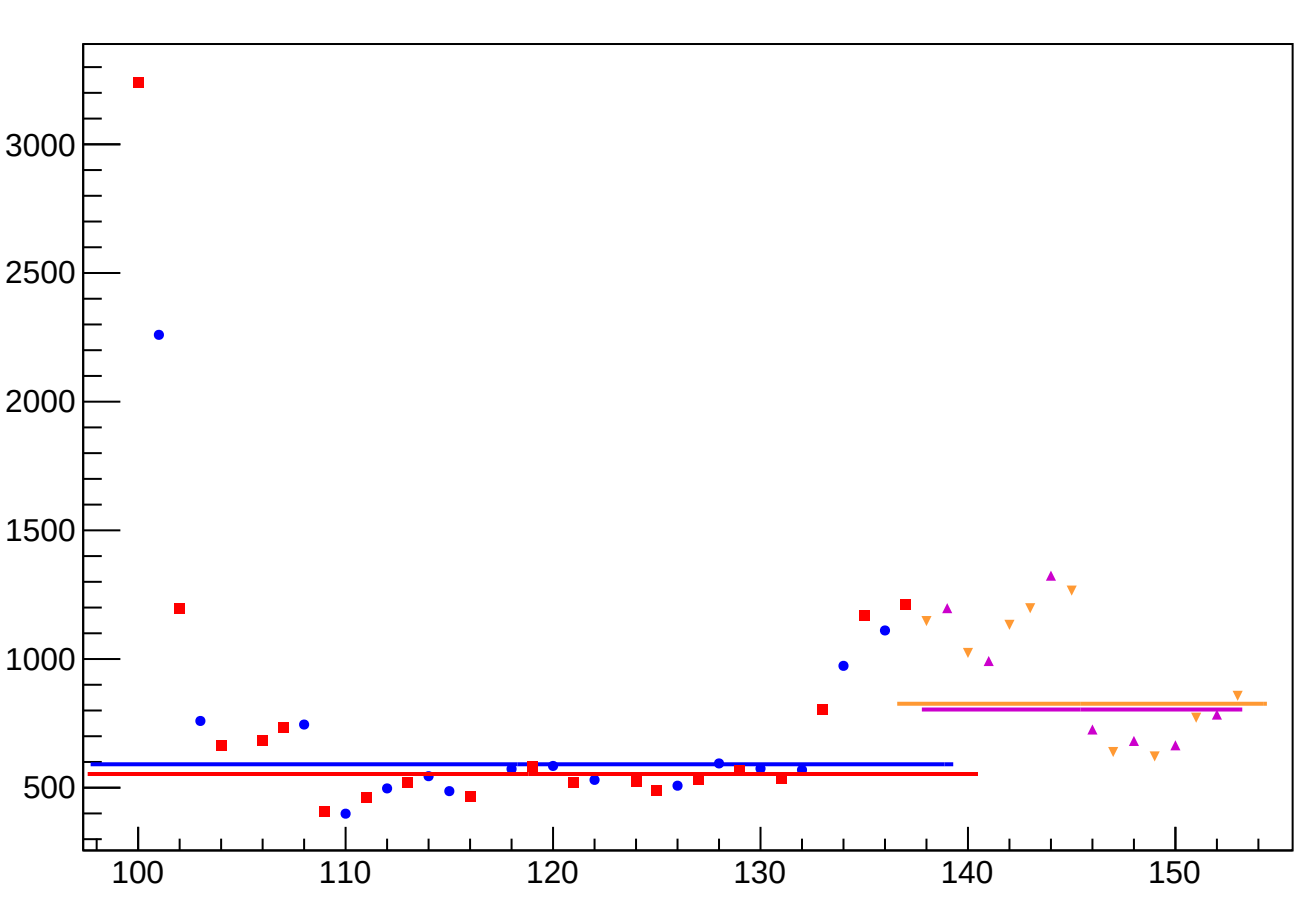
Left: -309.853+/-233.502 χ^2/NDF: 31.7/15

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 66.992+/-191.633 χ^2/NDF:25.8/22

Out: 201.612+/-179.870 χ^2/NDF:46.5/27

All: 138.560+/-131.149 χ^2/NDF: 72.6/50



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 826.226+/-0.230 χ^2/NDF:915483.6/8

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 803.781+/-0.237 χ^2/NDF:669529.3/6

Left: 815.353+/-0.165 χ^2/NDF: 1589628.0/15

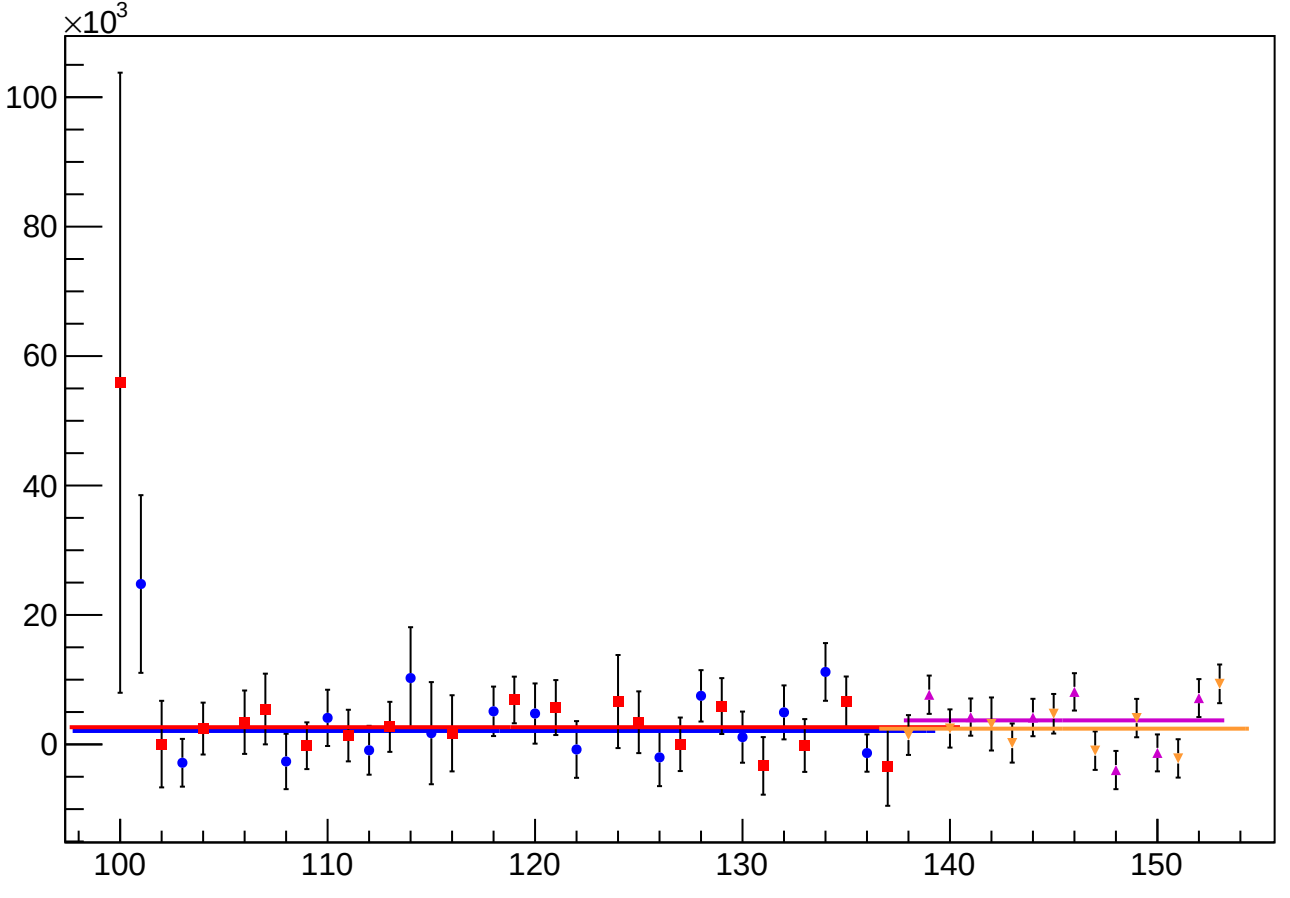
Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 660.455+/-0.136 χ^2/NDF:2778010.9/22

Out: 636.747+/-0.127 χ^2/NDF:2995343.1/27

All: 647.852+/-0.093 χ^2/NDF: 5789627.9/50

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2430.673+/-1026.431 χ^2/NDF:10.6/8

Right Out: 2657.301+/-1049.868 χ^2/NDF: 9.9/18

Left In: 3711.653+/-1098.638 χ^2/NDF:15.4/6

Left: 3027.687+/-750.025 χ^2/NDF: 26.8/15

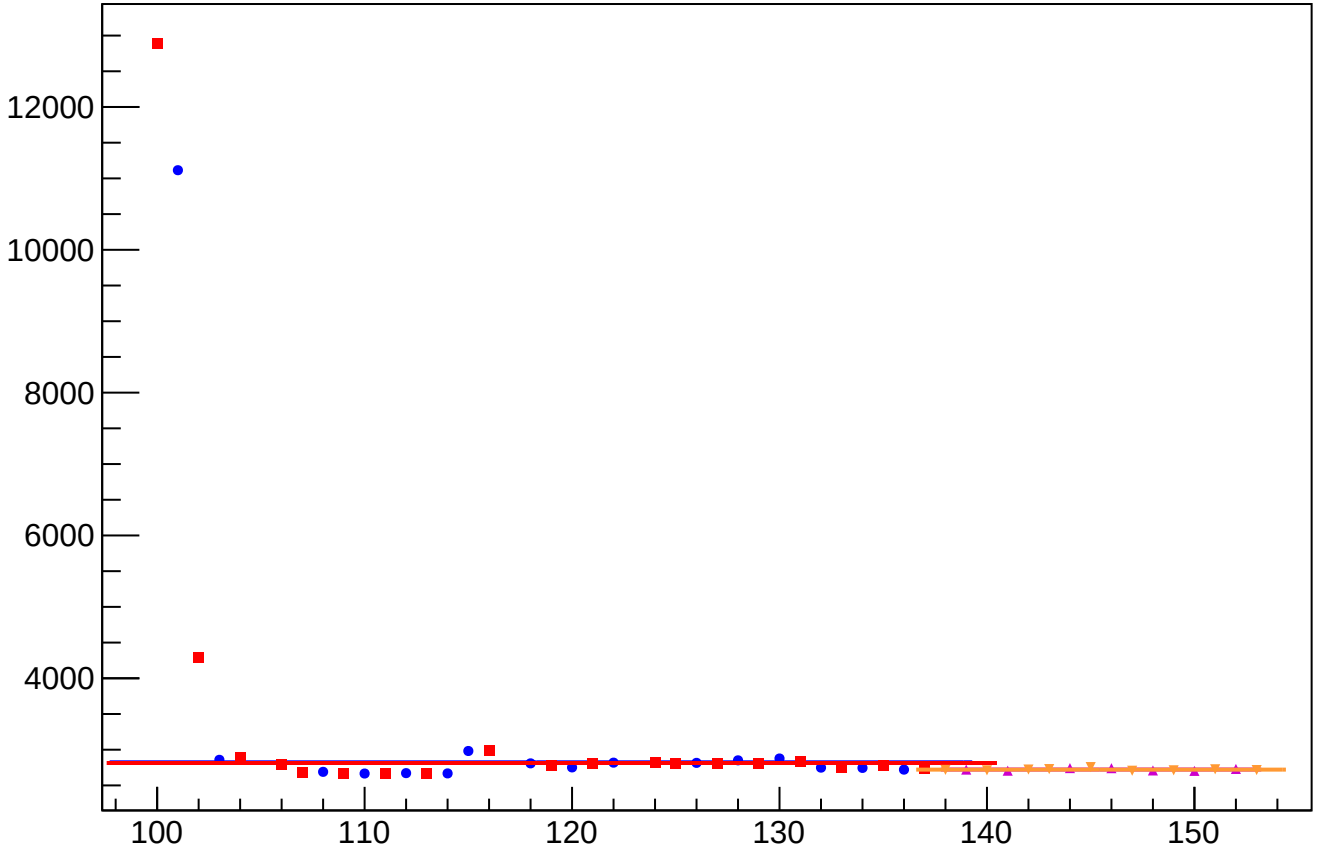
Right: 2373.513+/-751.840 χ^2/NDF: 28.0/34

In: 2877.070+/-769.156 χ^2/NDF:34.4/22

Out: 2541.429+/-733.942 χ^2/NDF:20.6/27

All: 2701.391+/-530.988 χ^2/NDF: 55.1/50

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2721.078+/-0.726 χ^2/NDF:395.2/8

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

Left In: 2722.169+/-0.777 χ^2/NDF:387.7/6

Left: 2721.587+/-0.530 χ^2/NDF: 784.0/15

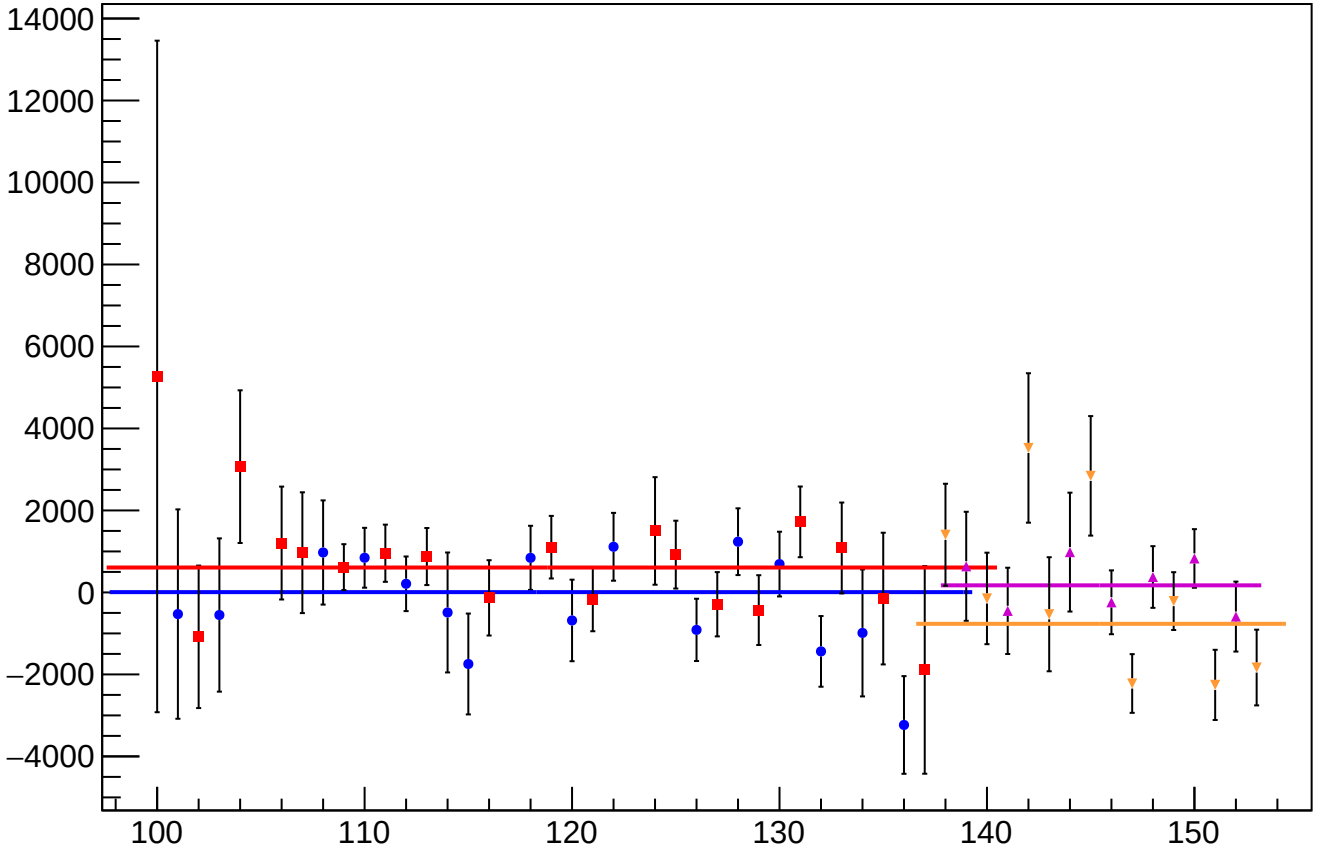
Right: 2818.511+/-0.532 χ^2/NDF: 944509.9/34

In: 2773.807+/-0.544 χ^2/NDF:752969.6/22

Out: 2766.403+/-0.519 χ^2/NDF:208886.9/27

All: 2769.932+/-0.375 χ^2/NDF: 961953.6/50

asym_atr1_dit_correction_mean vs Slug, Sign Corrected



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: -765.639+/-329.044 χ^2/NDF:24.2/8

Right Out: 607.647+/-217.093 χ^2/NDF: 12.2/18

Left In: 172.774+/-339.220 χ^2/NDF:2.8/6

Left: -310.720+/-236.185 χ^2/NDF: 30.9/15

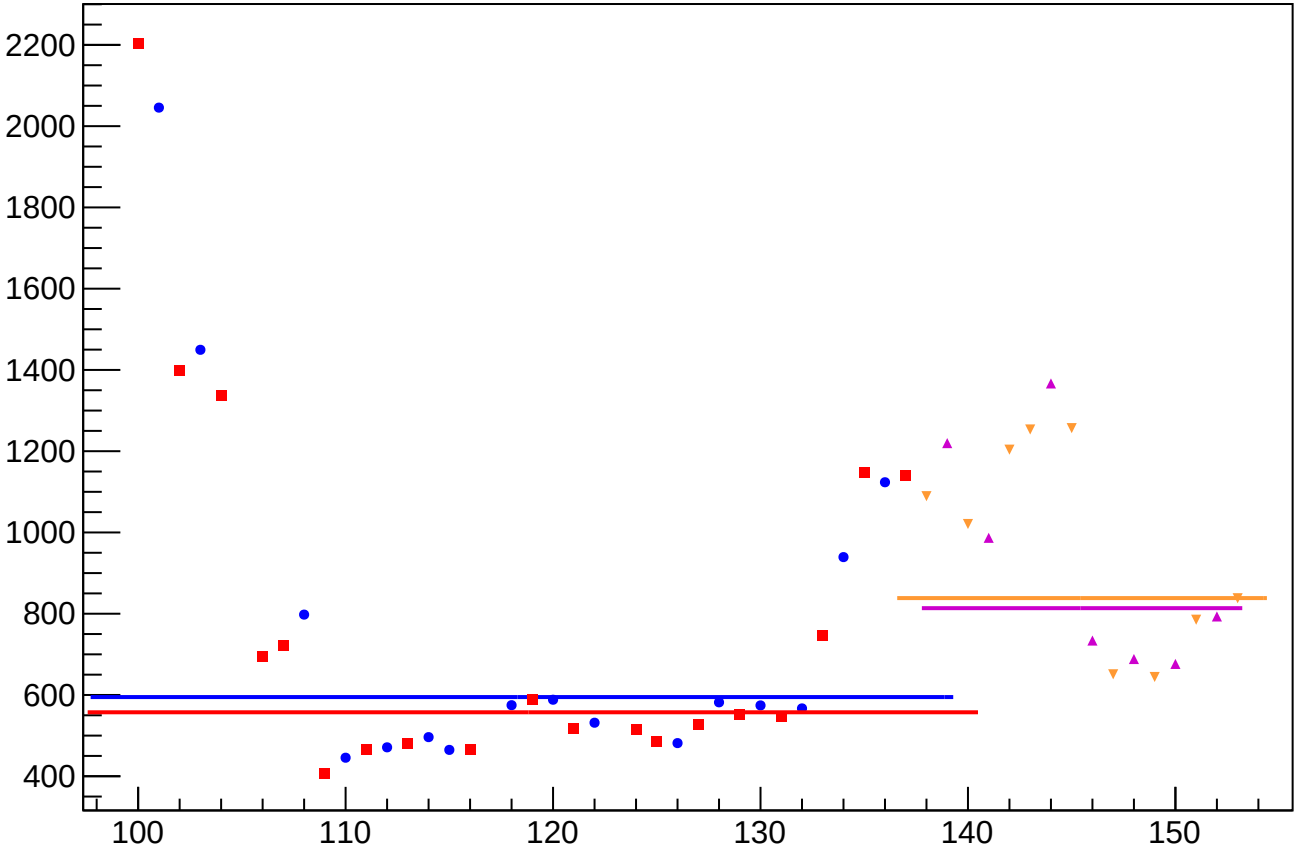
Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 61.549+/-194.531 χ^2/NDF:25.7/22

Out: 191.157+/-181.207 χ^2/NDF:48.5/27

All: 130.943+/-132.593 χ^2/NDF: 74.4/50

asym_atr1_dit_correction_rms vs Slug, Sign Corrected



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 838.460+/-0.233 χ^2/NDF:854311.3/8

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

Left In: 813.670+/-0.240 χ^2/NDF:682851.5/6

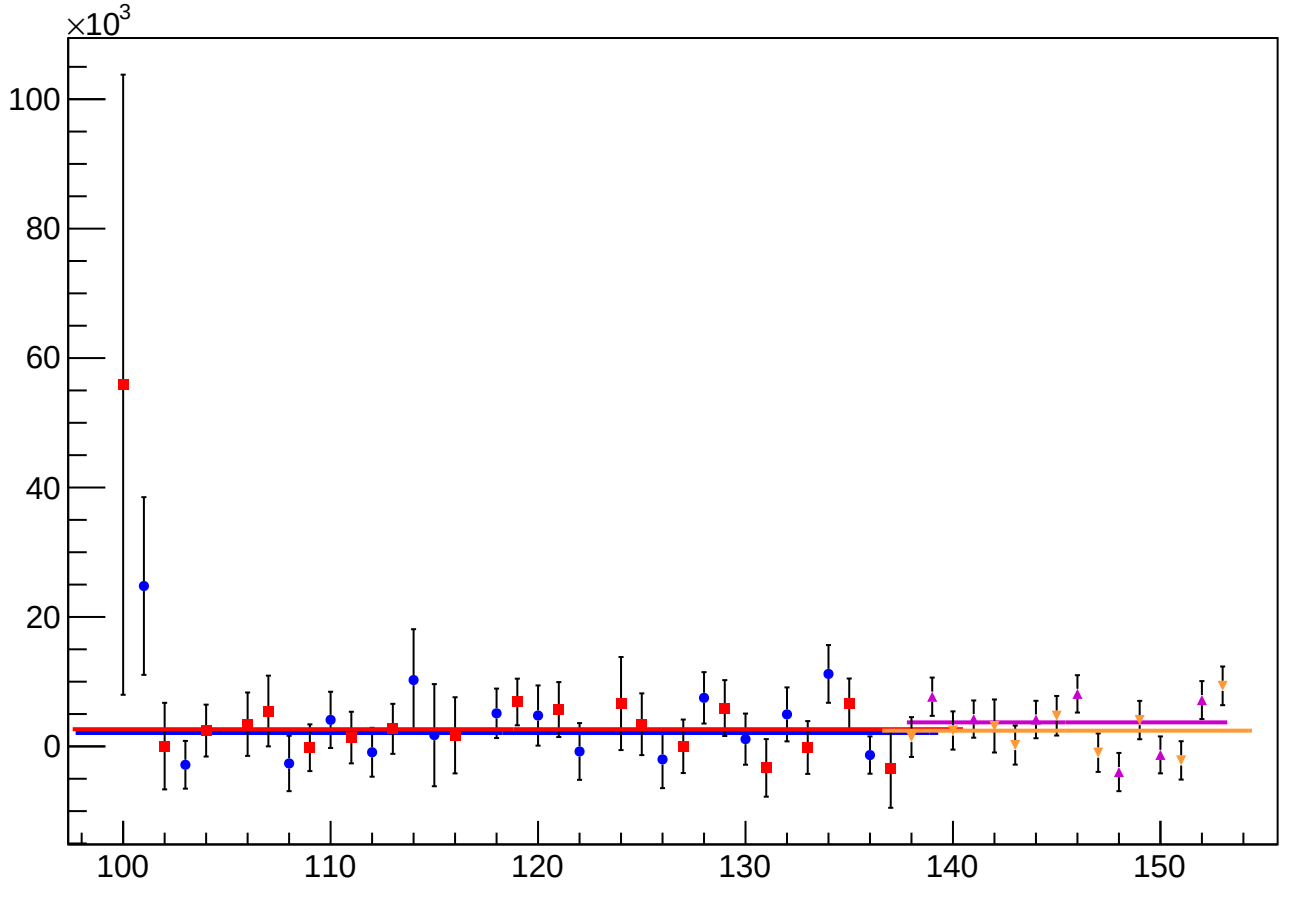
Left: 826.442+/-0.167 χ^2/NDF: 1542665.8/15

Right: 574.453+/-0.113 χ^2/NDF: 3511078.0/34

In: 666.816+/-0.138 χ^2/NDF:3094007.1/22

Out: 642.638+/-0.128 χ^2/NDF:3502307.7/27

All: 653.871+/-0.094 χ^2/NDF: 6612857.7/50



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2430.674+/-1026.431 χ^2/NDF:10.6/8

Right Out: 2657.300+/-1049.868 χ^2/NDF: 9.9/18

Left In: 3711.654+/-1098.638 χ^2/NDF:15.4/6

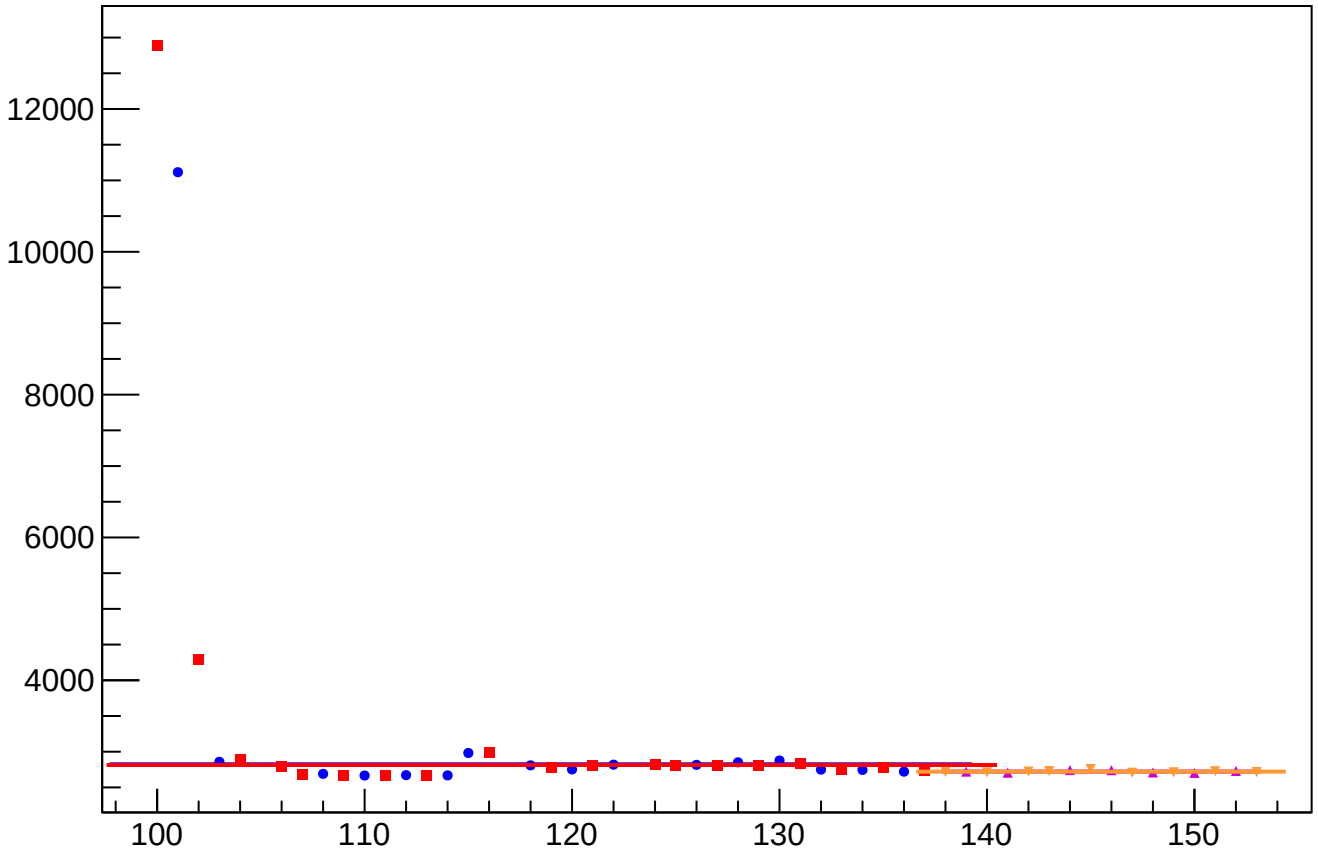
Left: 3027.688+/-750.025 χ^2/NDF: 26.8/15

Right: 2373.512+/-751.840 χ^2/NDF: 28.0/34

In: 2877.070+/-769.156 χ^2/NDF:34.4/22

Out: 2541.429+/-733.942 χ^2/NDF:20.6/27

All: 2701.391+/-530.988 χ^2/NDF: 55.1/50



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2721.078+/-0.726 χ^2/NDF:395.2/8

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

Left In: 2722.169+/-0.777 χ^2/NDF:387.7/6

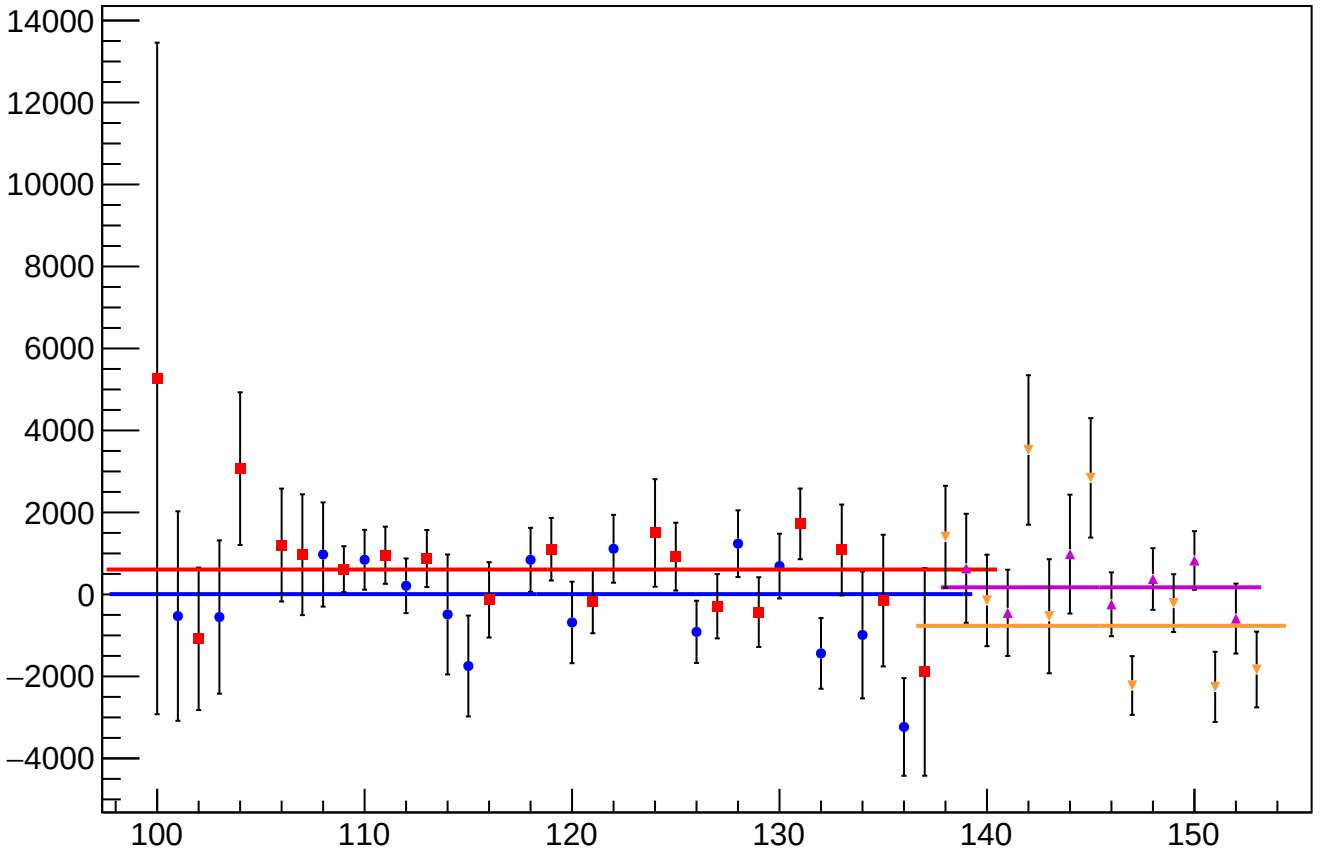
Left: 2721.587+/-0.530 χ^2/NDF: 784.0/15

Right: 2818.511+/-0.532 χ^2/NDF: 944509.7/34

In: 2773.807+/-0.544 χ^2/NDF:752969.6/22

Out: 2766.403+/-0.519 χ^2/NDF:208886.7/27

All: 2769.932+/-0.375 χ^2/NDF: 961953.3/50



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: -765.640+/-329.044 χ^2/NDF:24.2/8

Right Out: 607.647+/-217.094 χ^2/NDF: 12.2/18

Left In: 172.775+/-339.221 χ^2/NDF:2.8/6

Left: -310.720+/-236.185 χ^2/NDF: 30.9/15

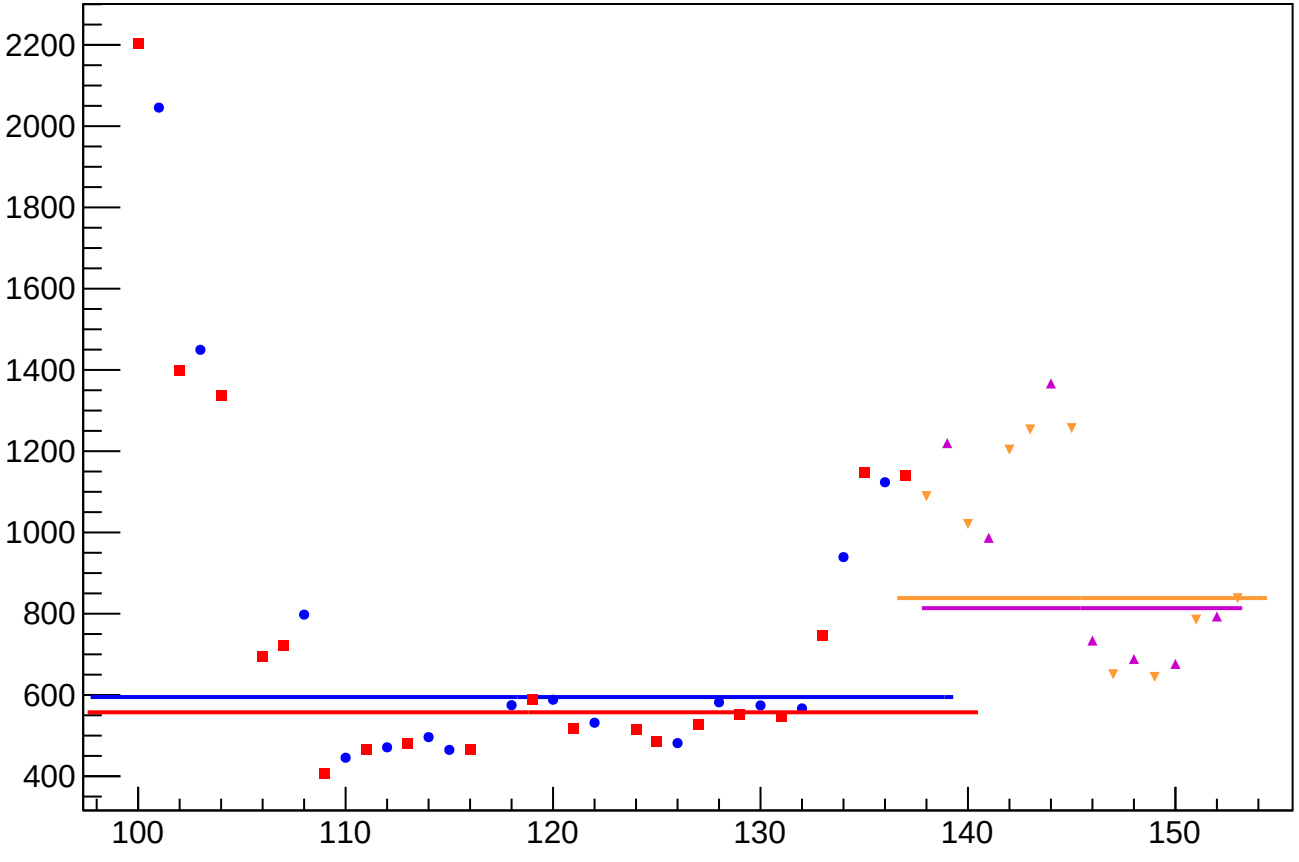
Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 61.549+/-194.531 χ^2/NDF:25.7/22

Out: 191.157+/-181.207 χ^2/NDF:48.5/27

All: 130.943+/-132.593 χ^2/NDF: 74.4/50

asym_atr1_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 838.460+/-0.233 χ^2/NDF:854312.2/8

Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

Left In: 813.671+/-0.240 χ^2/NDF:682851.6/6

Left: 826.443+/-0.167 χ^2/NDF: 1542666.8/15

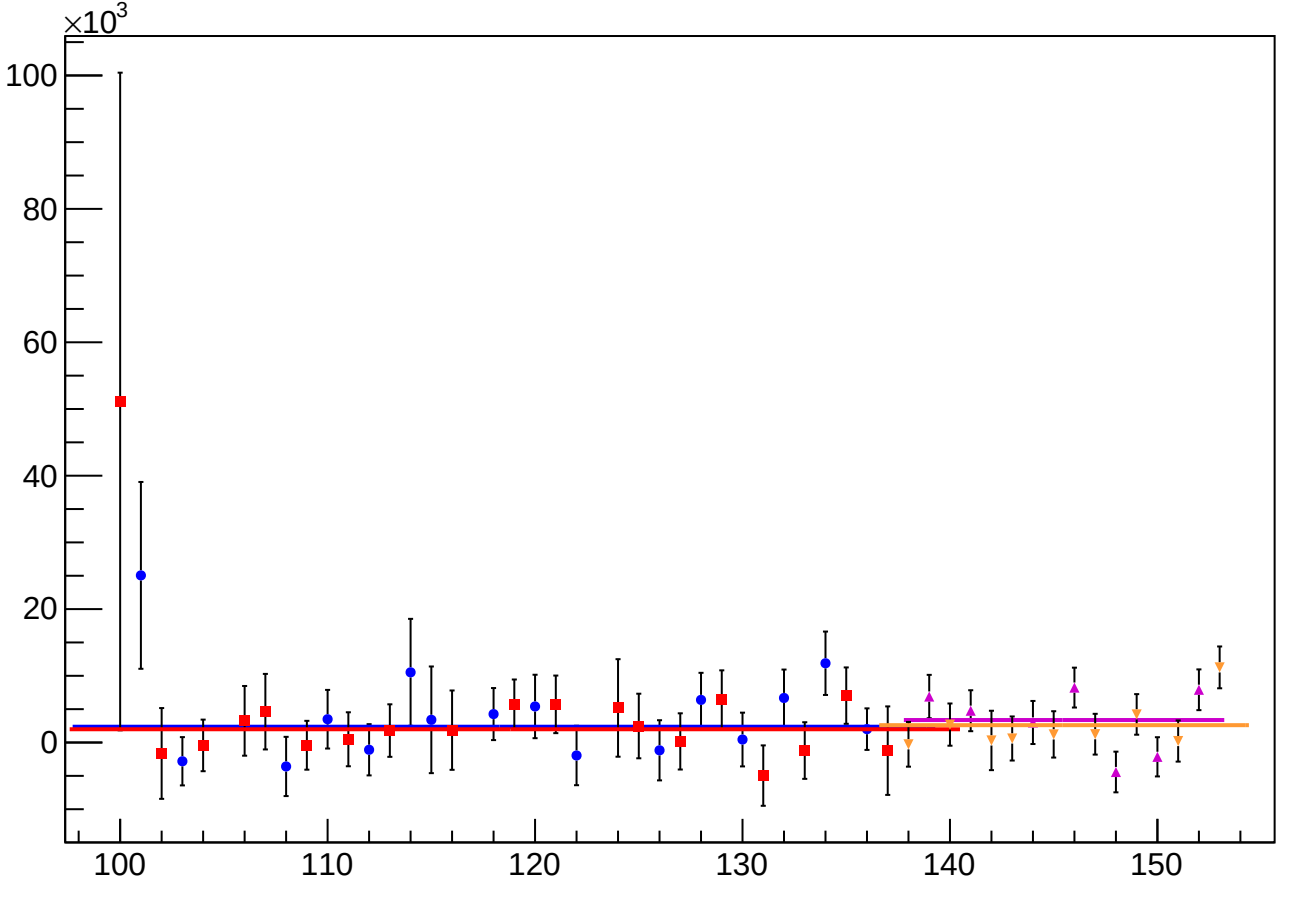
Right: 574.453+/-0.113 χ^2/NDF: 3511070.4/34

In: 666.817+/-0.138 χ^2/NDF:3094001.4/22

Out: 642.638+/-0.128 χ^2/NDF:3502306.6/27

All: 653.871+/-0.094 χ^2/NDF: 6612851.3/50

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 2599.760+/-1093.867 χ^2/NDF:10.2/8

Right Out: 1987.039+/-1075.310 χ^2/NDF: 10.3/18

Left In: 3371.154+/-1163.132 χ^2/NDF:16.3/6

Left: 2961.806+/-796.843 χ^2/NDF: 26.8/15

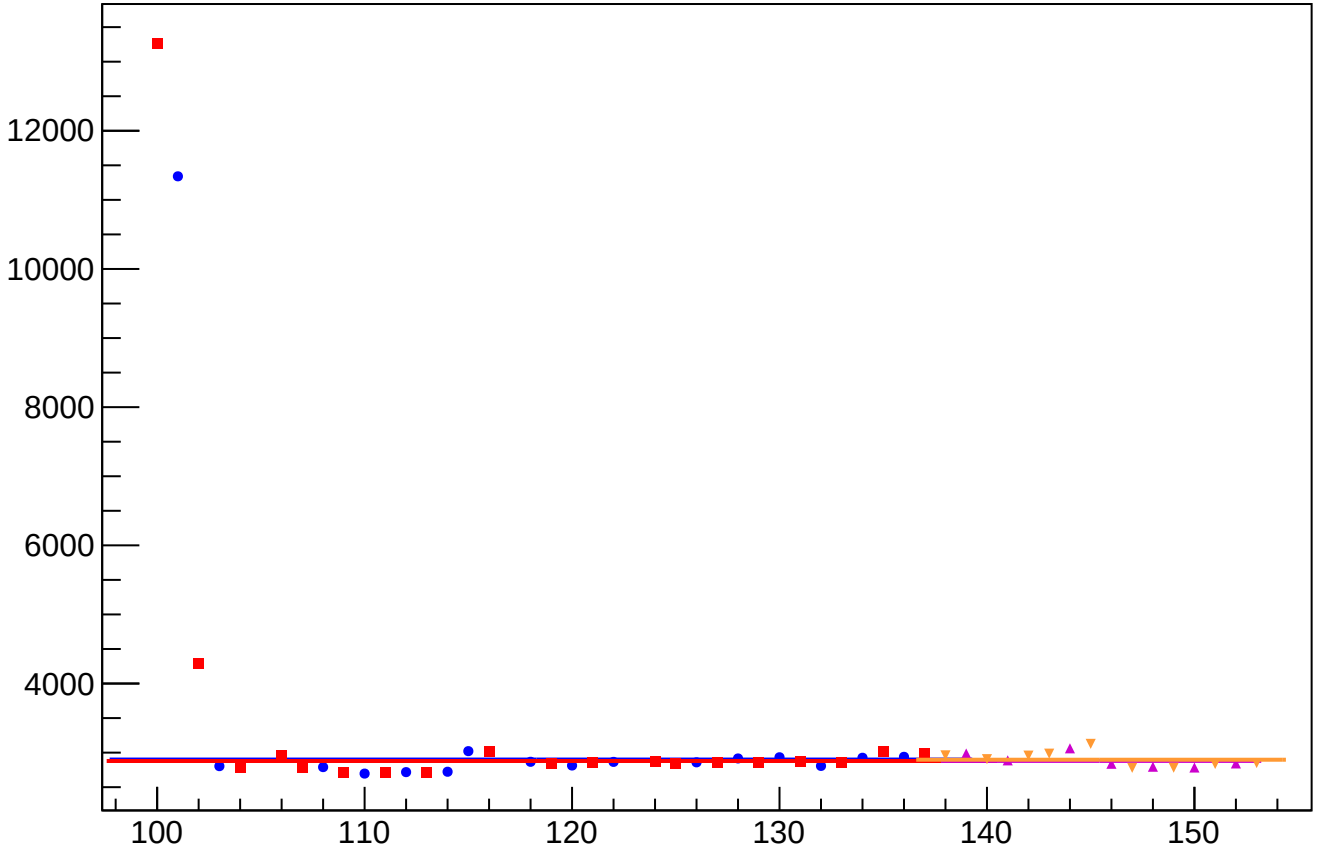
Right: 2171.724+/-771.049 χ^2/NDF: 27.2/34

In: 2843.993+/-801.574 χ^2/NDF:33.5/22

Out: 2288.159+/-766.836 χ^2/NDF:20.7/27

All: 2553.771+/-554.109 χ^2/NDF: 54.5/50

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2897.276+/-0.773 χ^2/NDF:18319.4/8

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

Left In: 2880.087+/-0.822 χ^2/NDF:12864.3/6

Left: 2889.208+/-0.563 χ^2/NDF: 31415.5/15

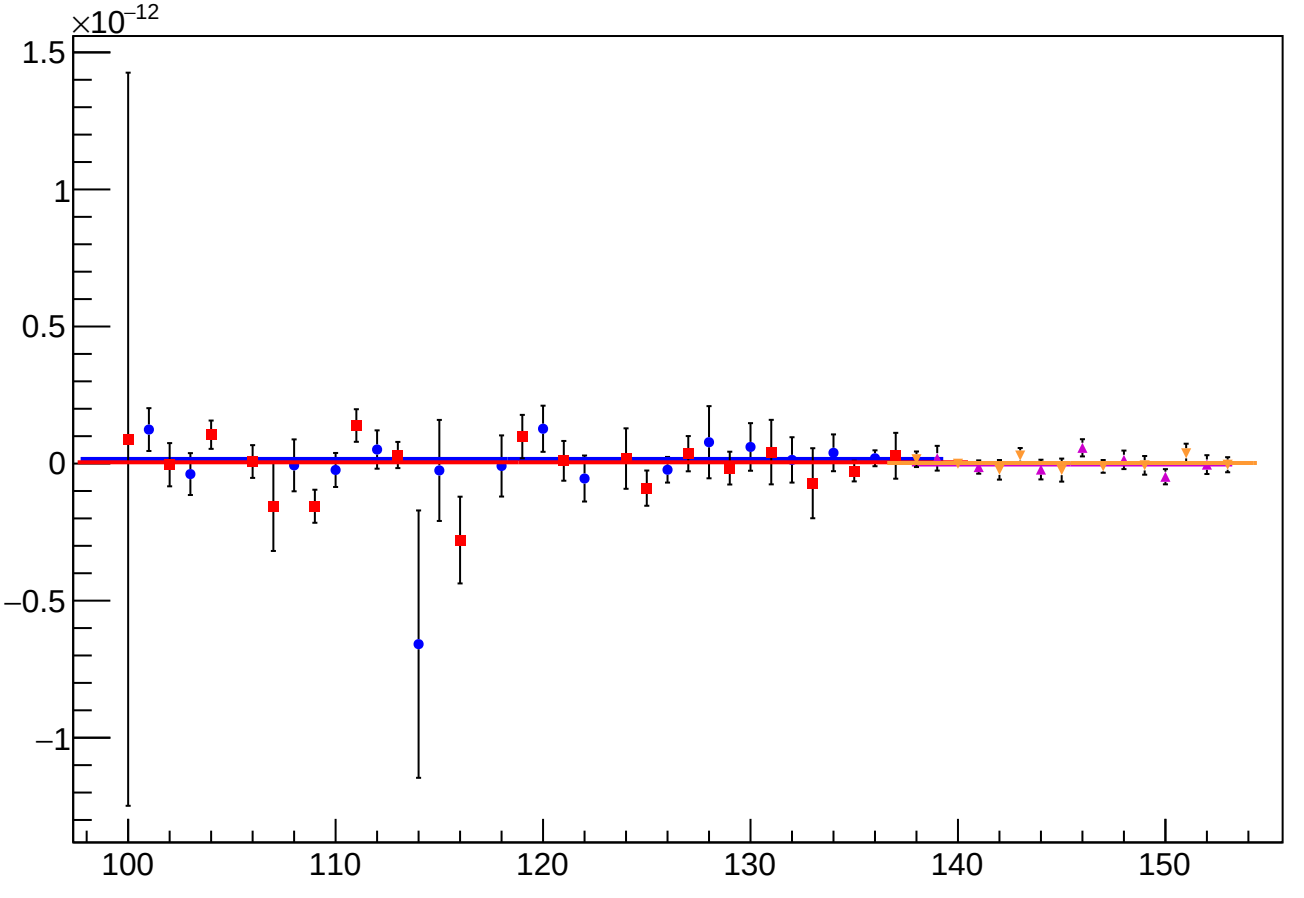
Right: 2889.097+/-0.545 χ^2/NDF: 935466.6/34

In: 2890.452+/-0.567 χ^2/NDF:754984.9/22

Out: 2887.960+/-0.542 χ^2/NDF:211887.2/27

All: 2889.151+/-0.392 χ^2/NDF: 966882.2/50

asym_atr1_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.5/8

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: -0.000+/-0.000 χ^2/NDF:7.3/6

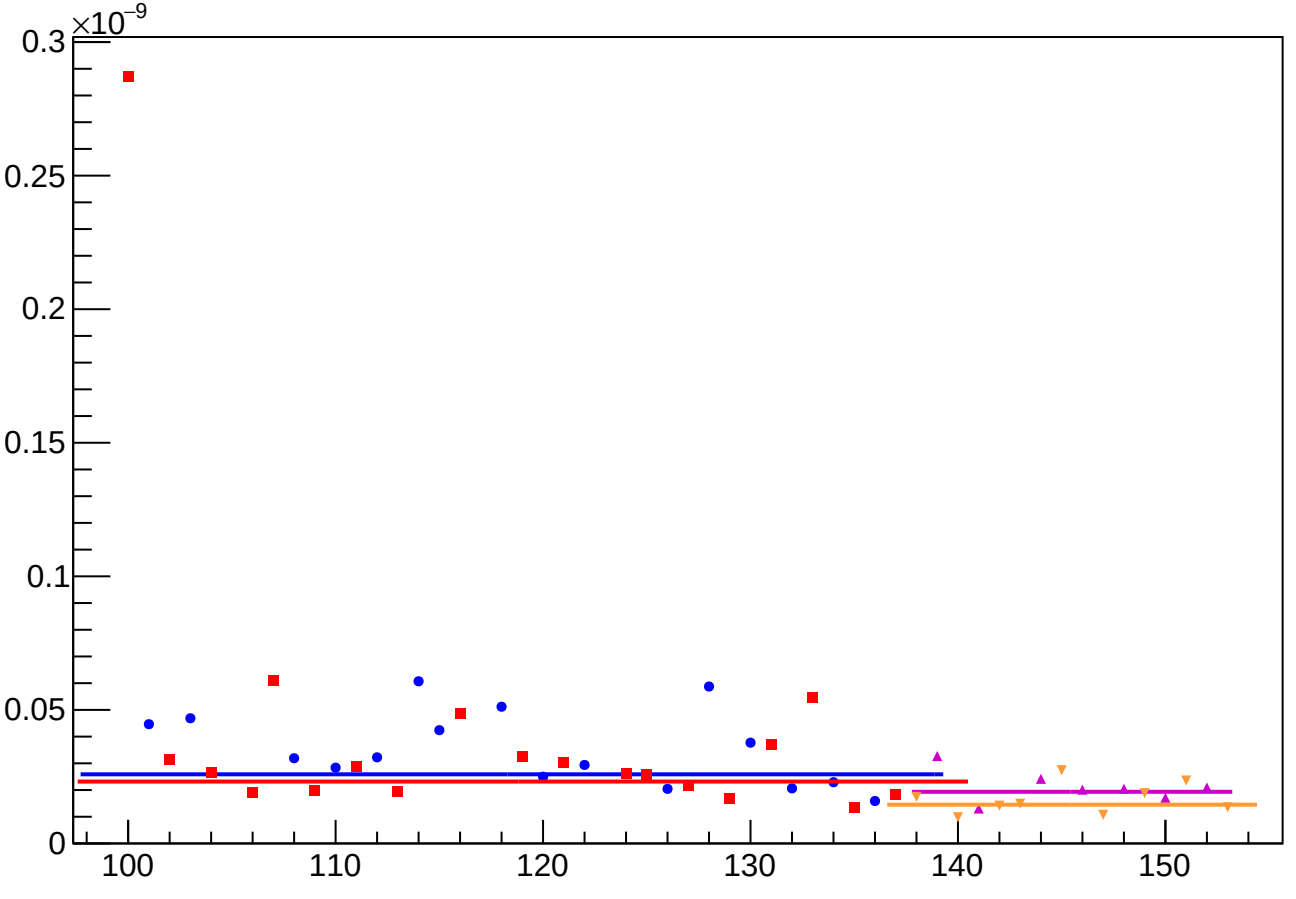
Left: 0.000+/-0.000 χ^2/NDF: 10.9/15

Right: 0.000+/-0.000 χ^2/NDF: 34.9/34

In: 0.000+/-0.000 χ^2/NDF:17.1/22

Out: 0.000+/-0.000 χ^2/NDF:29.2/27

All: 0.000+/-0.000 χ^2/NDF: 46.4/50



Right In: 0.000+/-0.000 χ^2/NDF: 865479.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:561418.2/8

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

Left In: 0.000+/-0.000 χ^2/NDF:367555.4/6

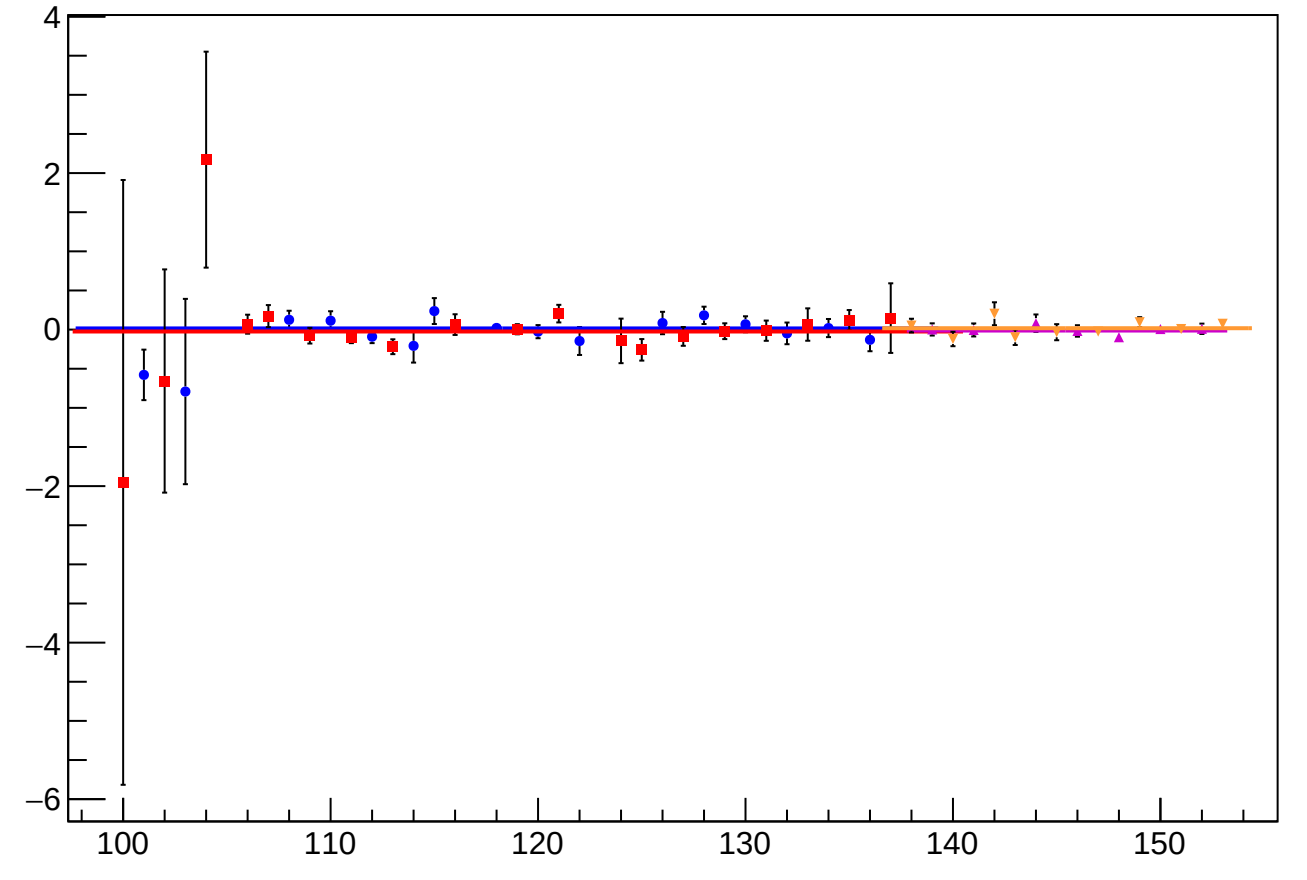
Left: 0.000+/-0.000 χ^2/NDF: 1133002.6/15

Right: 0.000+/-0.000 χ^2/NDF: 1581998.9/34

In: 0.000+/-0.000 χ^2/NDF:1433545.7/22

Out: 0.000+/-0.000 χ^2/NDF:1702742.4/27

All: 0.000+/-0.000 χ^2/NDF: 3424274.1/50



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.018+/-0.025 χ^2/NDF:8.5/8

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: -0.012+/-0.027 χ^2/NDF:2.8/6

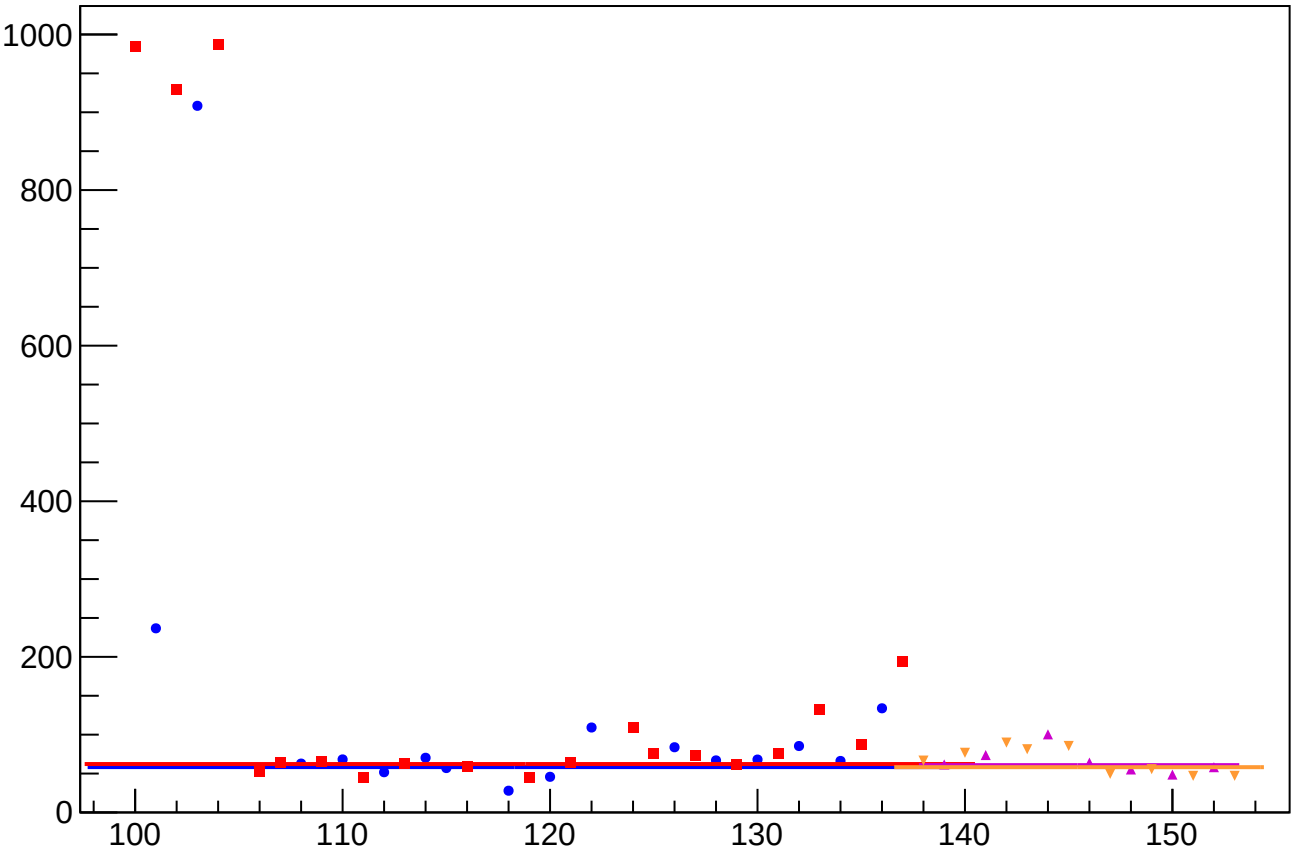
Left: 0.004+/-0.018 χ^2/NDF: 12.0/15

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.001+/-0.019 χ^2/NDF:18.3/22

Out: -0.001+/-0.019 χ^2/NDF:30.6/27

All: 0.000+/-0.013 χ^2/NDF: 48.9/50



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 58.195+/-0.018 χ^2/NDF:634851.5/8

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 60.825+/-0.019 χ^2/NDF:417337.9/6

Left: 59.403+/-0.013 χ^2/NDF: 1062437.7/15

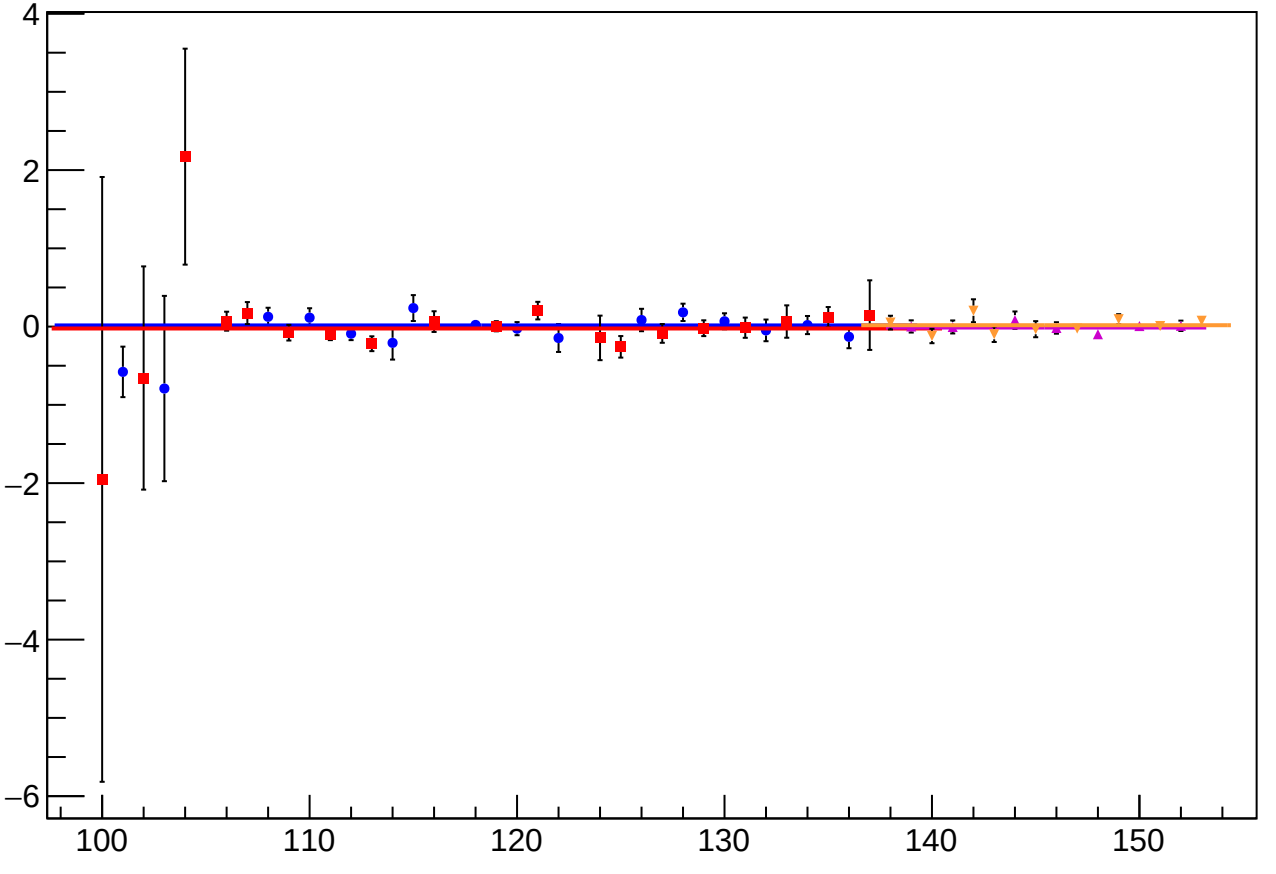
Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 59.606+/-0.014 χ^2/NDF:3686132.3/22

Out: 59.977+/-0.013 χ^2/NDF:3285110.5/27

All: 59.799+/-0.009 χ^2/NDF: 6971624.5/50

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: 0.018+/-0.025 χ^2/NDF:8.5/8

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: -0.012+/-0.027 χ^2/NDF:2.8/6

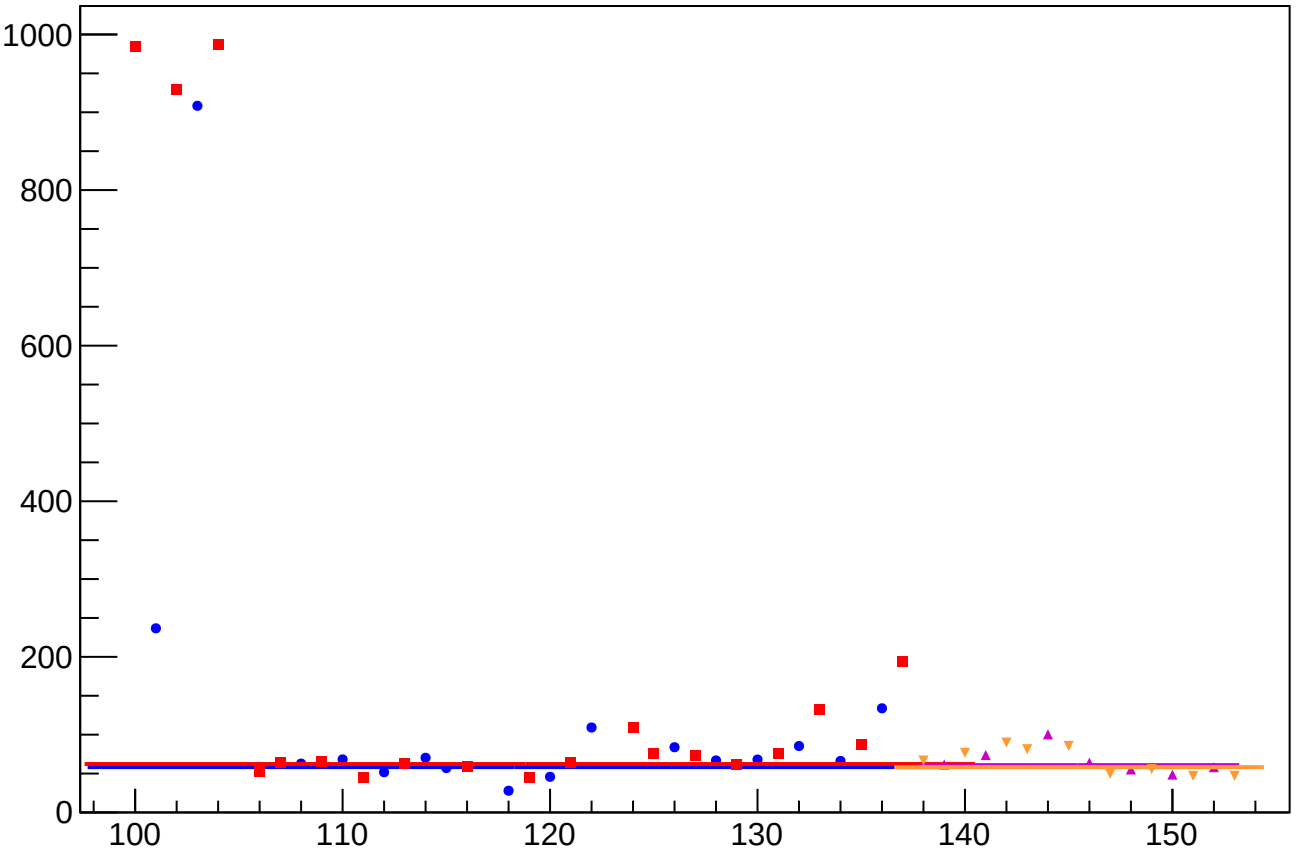
Left: 0.004+/-0.018 χ^2/NDF: 12.0/15

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.001+/-0.019 χ^2/NDF:18.3/22

Out: -0.001+/-0.019 χ^2/NDF:30.6/27

All: 0.000+/-0.013 χ^2/NDF: 48.9/50



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 58.195+/-0.018 χ^2/NDF:634851.5/8

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 60.825+/-0.019 χ^2/NDF:417337.9/6

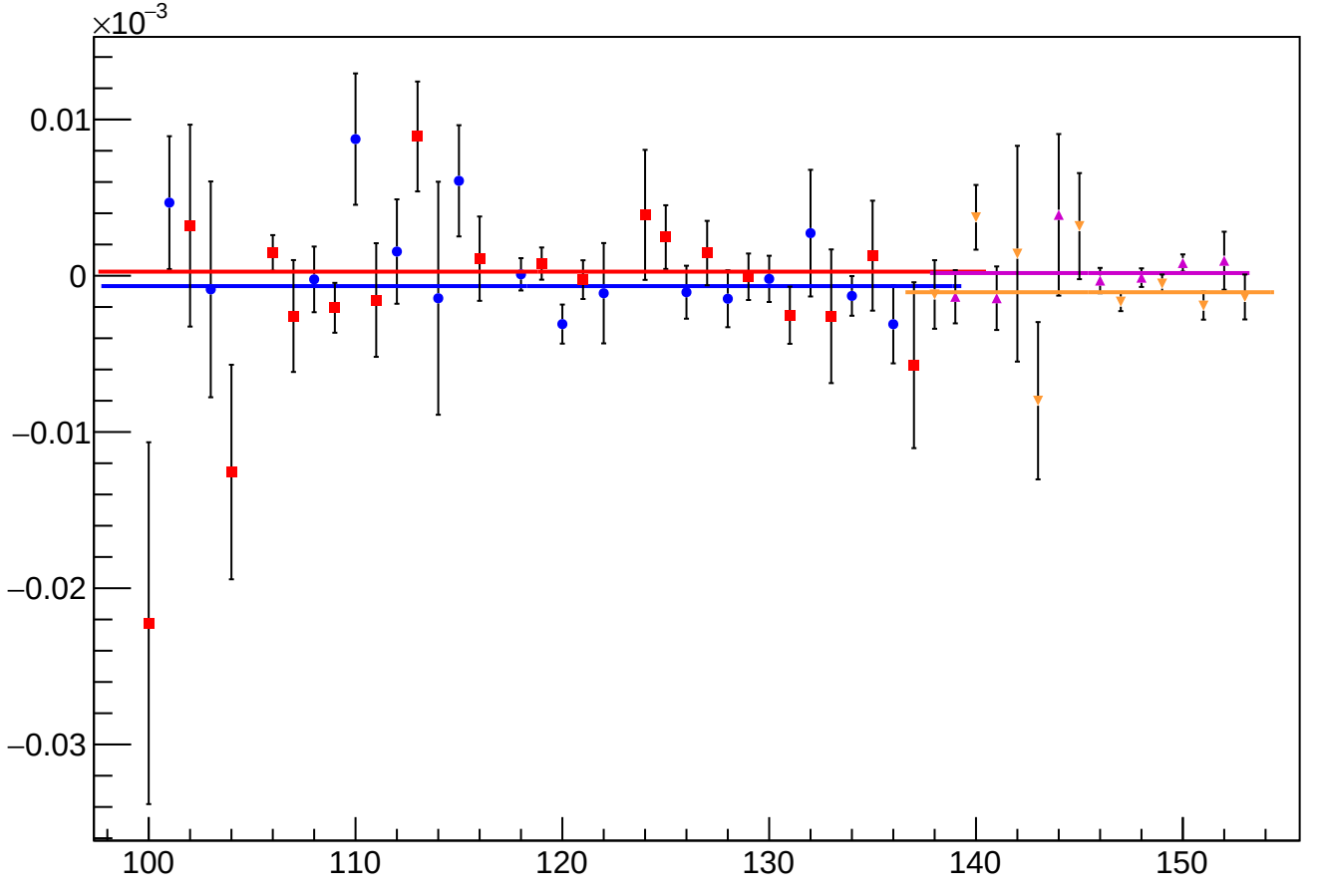
Left: 59.403+/-0.013 χ^2/NDF: 1062437.7/15

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 59.606+/-0.014 χ^2/NDF:3686132.3/22

Out: 59.977+/-0.013 χ^2/NDF:3285110.5/27

All: 59.799+/-0.009 χ^2/NDF: 6971624.5/50



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.8/8

Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/18

Left In: 0.000+/-0.000 χ^2/NDF:4.1/6

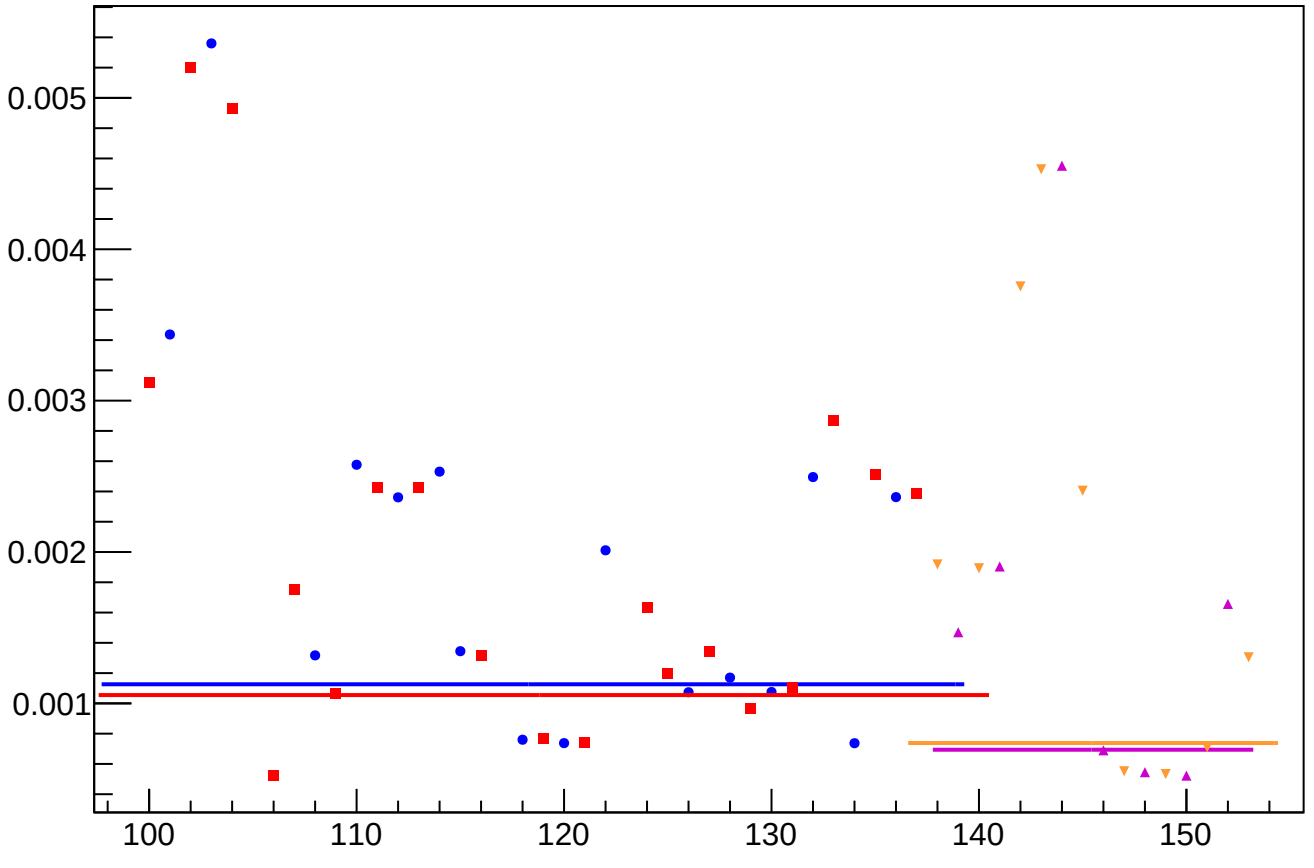
Left: -0.000+/-0.000 χ^2/NDF: 22.1/15

Right: -0.000+/-0.000 χ^2/NDF: 43.7/34

In: -0.000+/-0.000 χ^2/NDF:23.3/22

Out: -0.000+/-0.000 χ^2/NDF:41.4/27

All: -0.000+/-0.000 χ^2/NDF: 66.1/50



Right In: 0.001+/-0.000 χ^2/NDF: 3453081.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:3946307.7/8

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

Left In: 0.001+/-0.000 χ^2/NDF:3092125.7/6

Left: 0.001+/-0.000 χ^2/NDF: 7054520.8/15

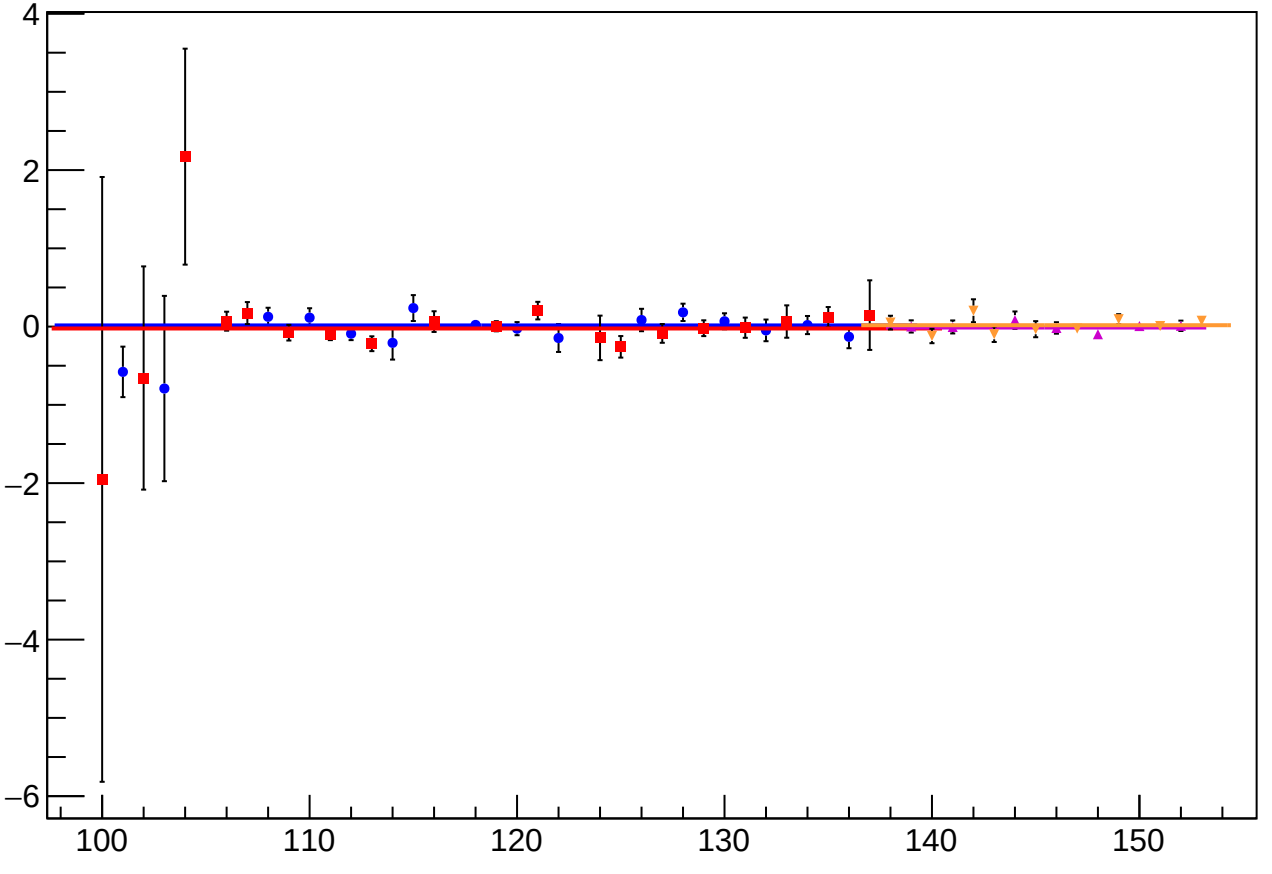
Right: 0.001+/-0.000 χ^2/NDF: 7323820.3/34

In: 0.001+/-0.000 χ^2/NDF:7591363.9/22

Out: 0.001+/-0.000 χ^2/NDF:8383193.9/27

All: 0.001+/-0.000 χ^2/NDF: 15979040.7/50

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.018+/-0.025 χ^2/NDF:8.5/8

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: -0.012+/-0.027 χ^2/NDF:2.8/6

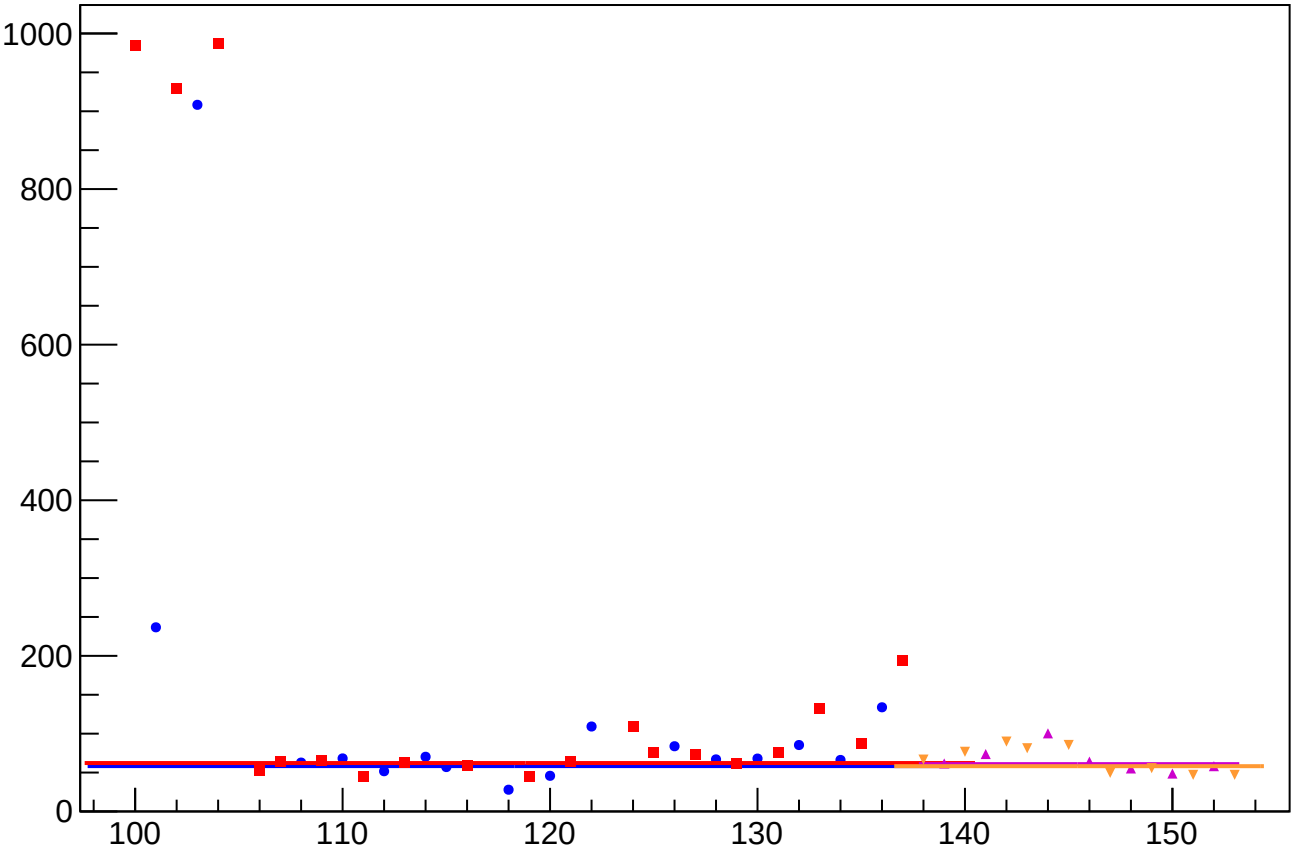
Left: 0.004+/-0.018 χ^2/NDF: 12.0/15

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.001+/-0.019 χ^2/NDF:18.3/22

Out: -0.001+/-0.019 χ^2/NDF:30.6/27

All: 0.000+/-0.013 χ^2/NDF: 48.9/50



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 58.194+/-0.018 χ^2/NDF:634844.0/8

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 60.825+/-0.019 χ^2/NDF:417351.9/6

Left: 59.403+/-0.013 χ^2/NDF: 1062447.9/15

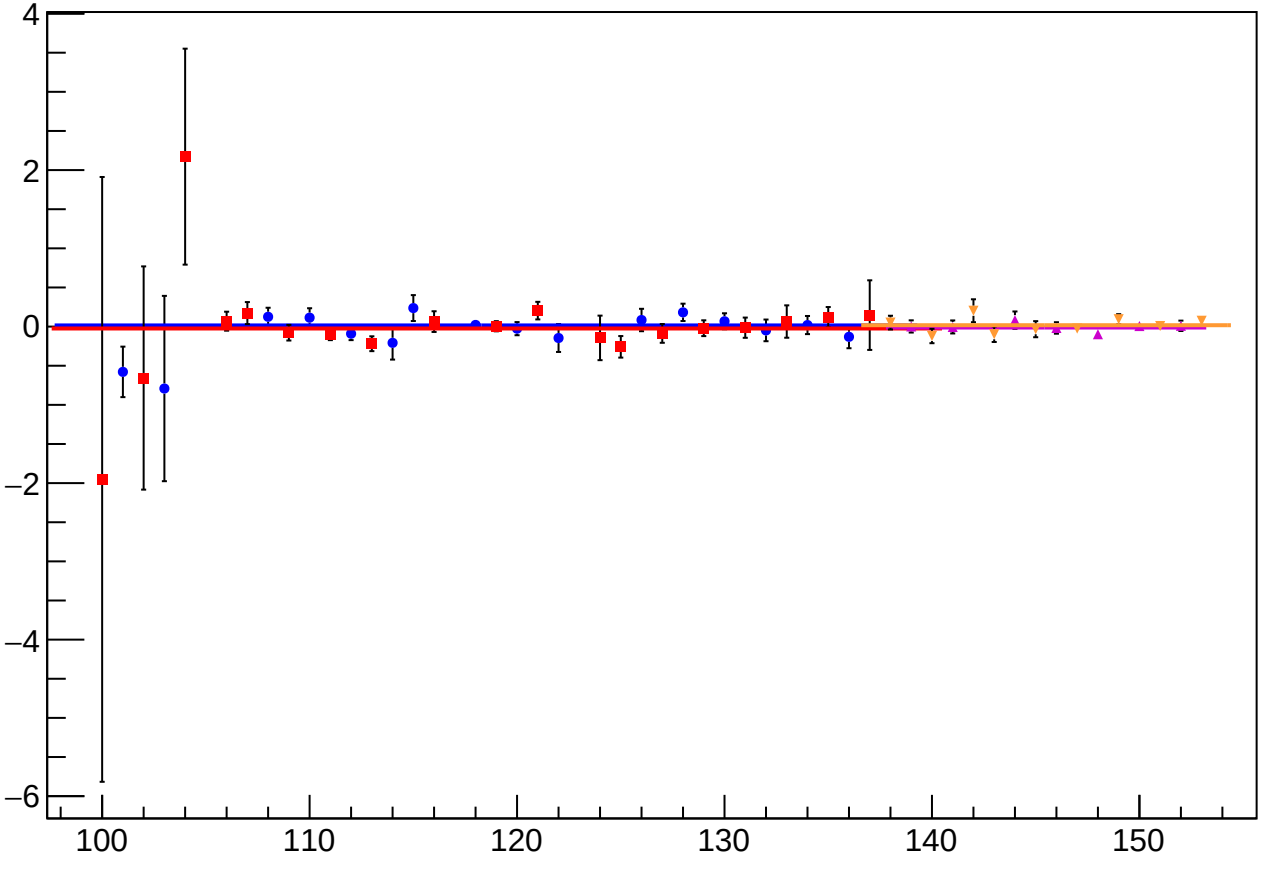
Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 59.606+/-0.014 χ^2/NDF:3686232.9/22

Out: 59.977+/-0.013 χ^2/NDF:3285096.9/27

All: 59.799+/-0.009 χ^2/NDF: 6971711.7/50

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: 0.018+/-0.025 χ^2/NDF:8.5/8

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: -0.012+/-0.027 χ^2/NDF:2.8/6

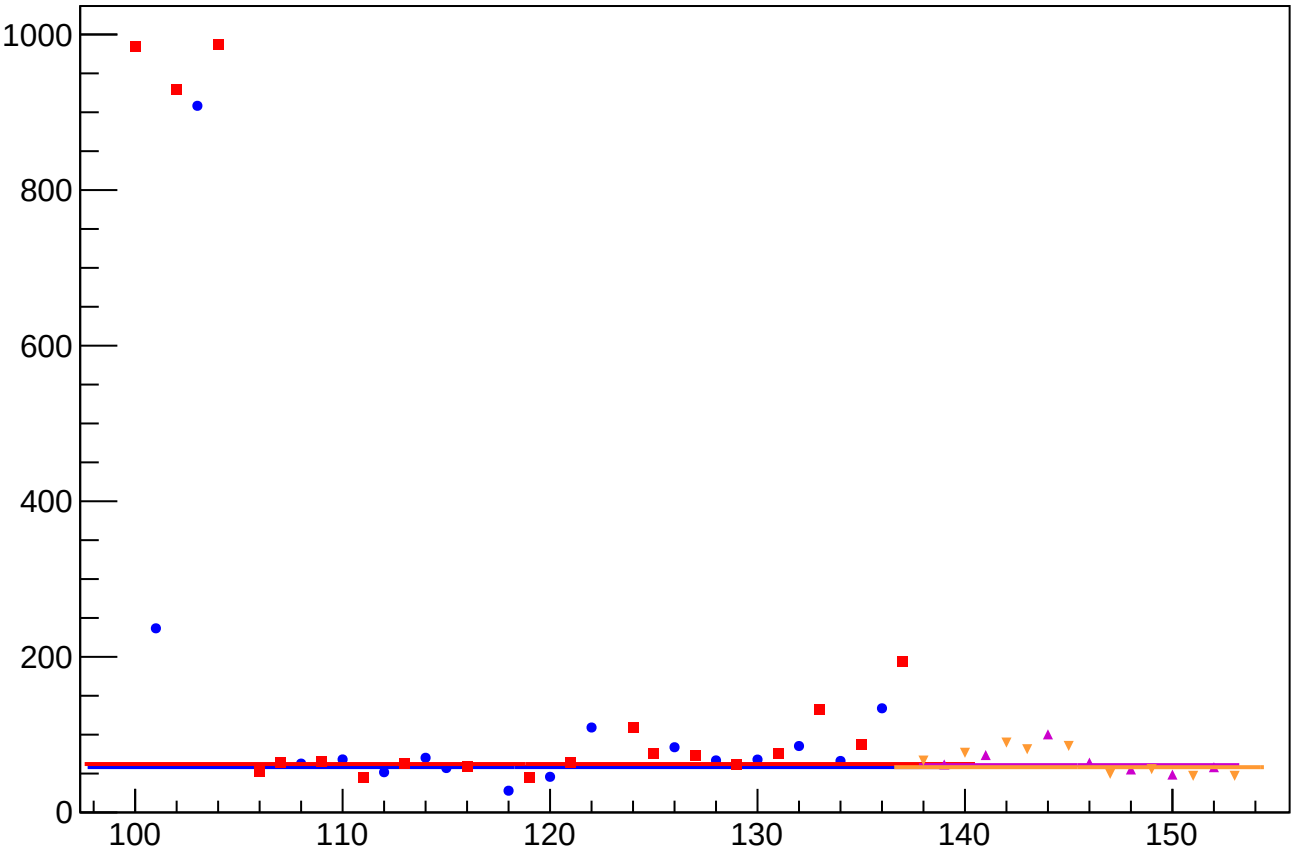
Left: 0.004+/-0.018 χ^2/NDF: 12.0/15

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.001+/-0.019 χ^2/NDF:18.3/22

Out: -0.001+/-0.019 χ^2/NDF:30.6/27

All: 0.000+/-0.013 χ^2/NDF: 48.9/50



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 58.194+/-0.018 χ^2/NDF:634844.0/8

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 60.825+/-0.019 χ^2/NDF:417351.9/6

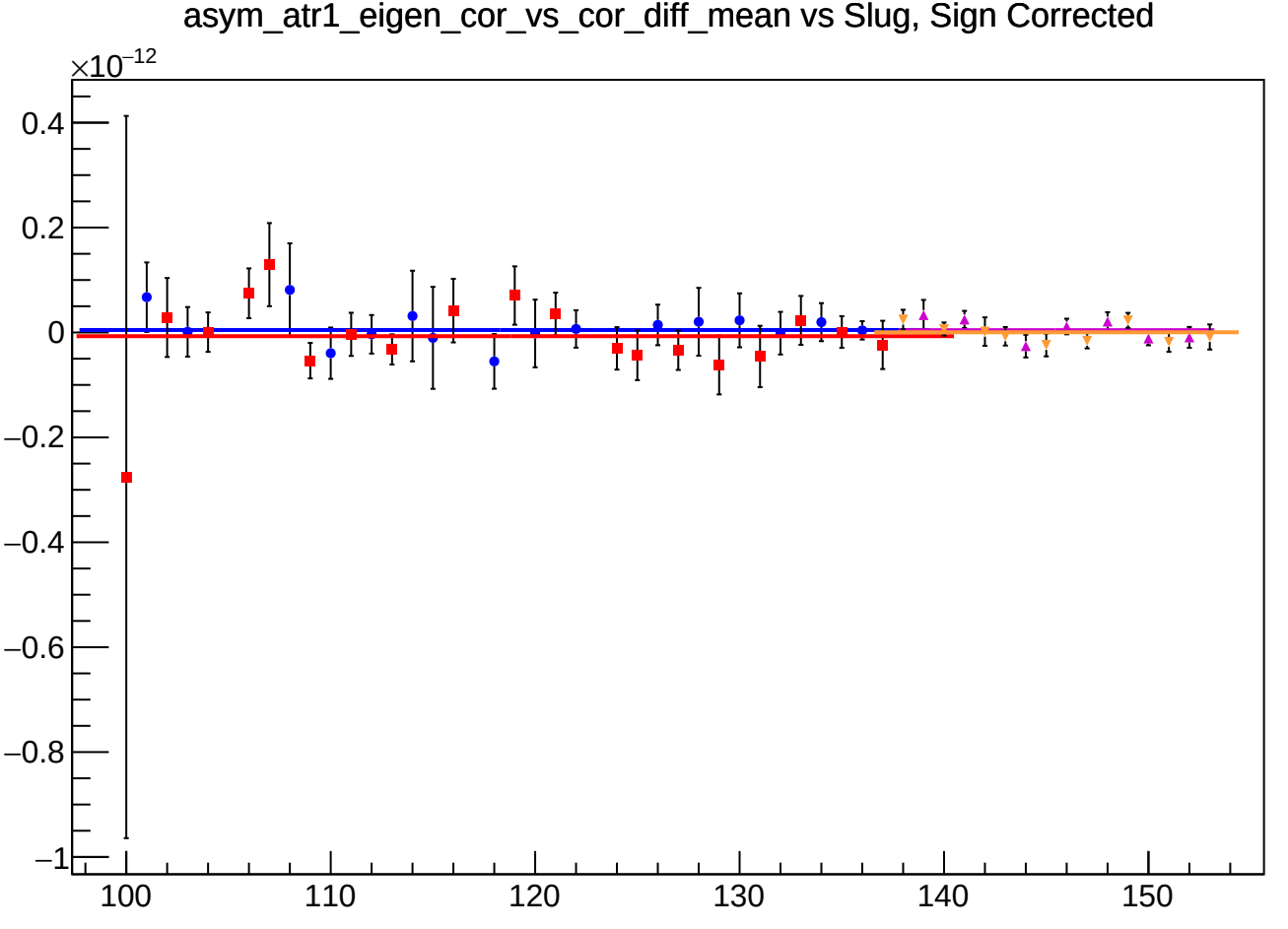
Left: 59.403+/-0.013 χ^2/NDF: 1062447.9/15

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 59.606+/-0.014 χ^2/NDF:3686232.9/22

Out: 59.977+/-0.013 χ^2/NDF:3285096.9/27

All: 59.799+/-0.009 χ^2/NDF: 6971711.7/50



Right In: 0.000+/-0.000 χ^2/NDF: 4.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.2/8

Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:7.5/6

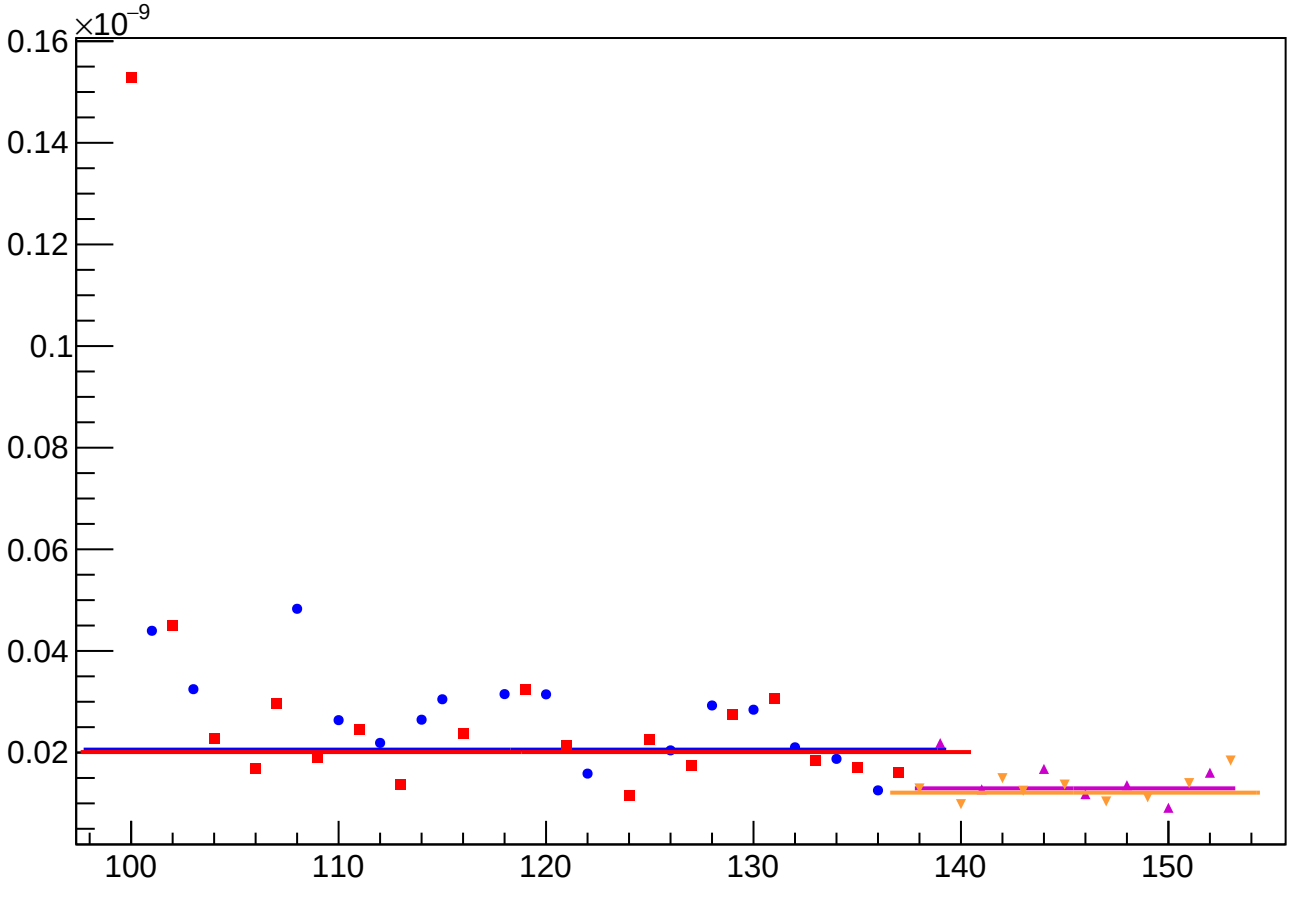
Left: 0.000+/-0.000 χ^2/NDF: 15.9/15

Right: -0.000+/-0.000 χ^2/NDF: 21.2/34

In: 0.000+/-0.000 χ^2/NDF:12.0/22

Out: -0.000+/-0.000 χ^2/NDF:24.7/27

All: 0.000+/-0.000 χ^2/NDF: 37.3/50



Right In: 0.000+/-0.000 χ^2/NDF: 1319631.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:298155.3/8

Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

Left In: 0.000+/-0.000 χ^2/NDF:487962.3/6

Left: 0.000+/-0.000 χ^2/NDF: 804790.8/15

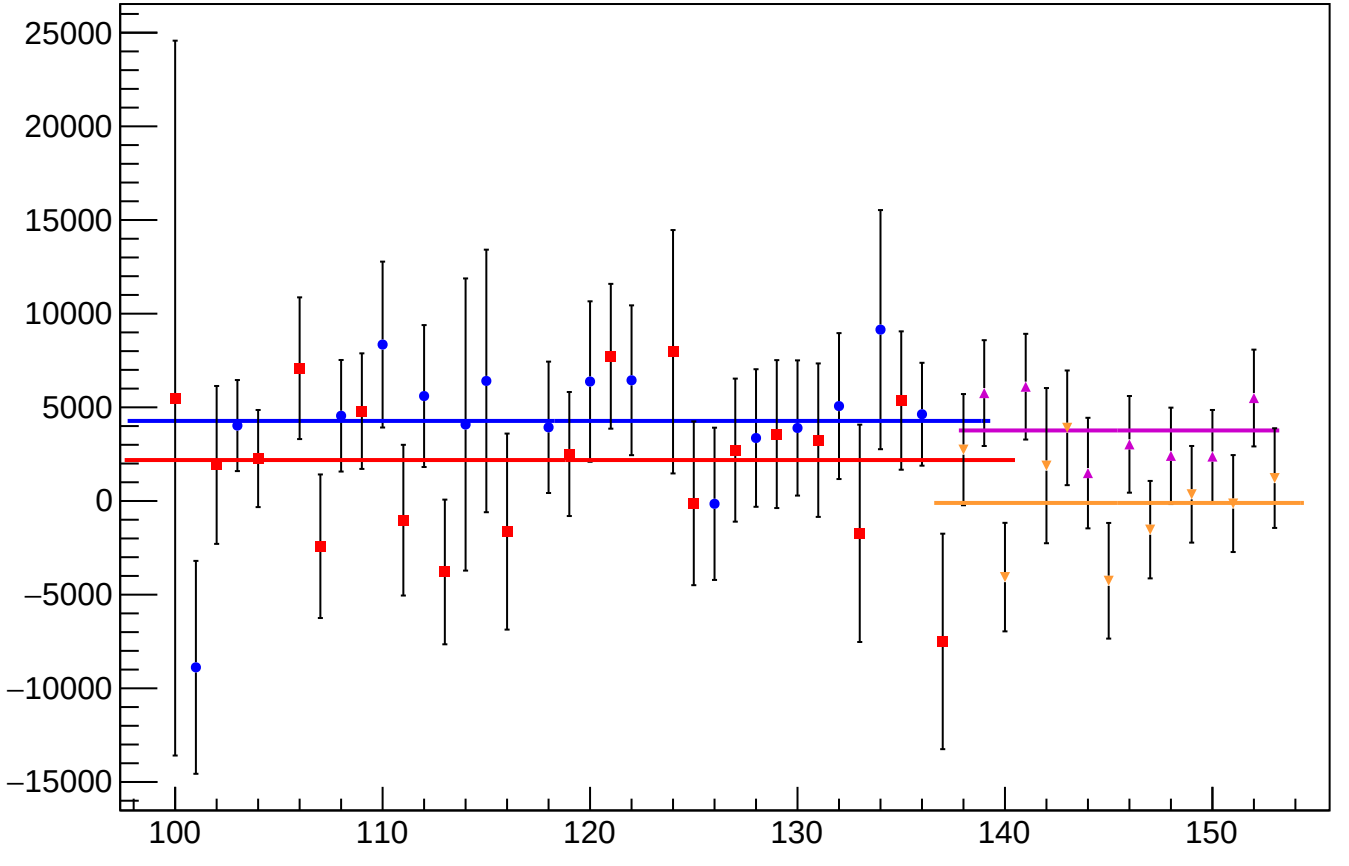
Right: 0.000+/-0.000 χ^2/NDF: 2134051.1/34

In: 0.000+/-0.000 χ^2/NDF:2590841.5/22

Out: 0.000+/-0.000 χ^2/NDF:2049762.2/27

All: 0.000+/-0.000 χ^2/NDF: 4684150.0/50

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: -103.613+/-957.254 χ^2/NDF:7.1/8

Right Out: 2186.264+/-922.104 χ^2/NDF: 14.8/18

Left In: 3765.966+/-1010.860 χ^2/NDF:2.9/6

Left: 1725.859+/-695.059 χ^2/NDF: 17.8/15

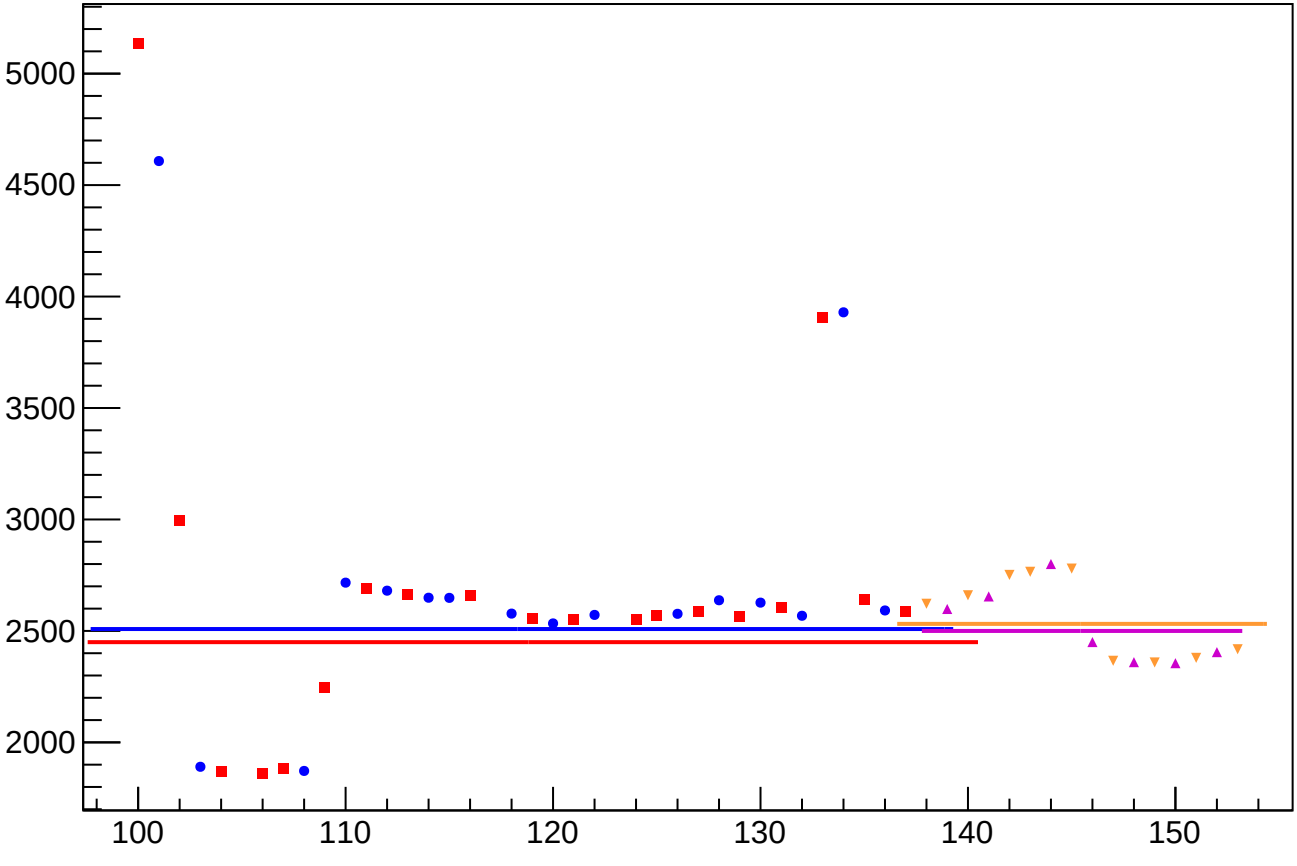
Right: 3197.075+/-662.328 χ^2/NDF: 26.2/34

In: 4035.424+/-693.023 χ^2/NDF:11.9/22

Out: 1084.139+/-664.105 χ^2/NDF:24.9/27

All: 2496.923+/-479.491 χ^2/NDF: 46.3/50

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2531.588+/-0.677 χ^2/NDF:63669.1/8

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

Left In: 2499.908+/-0.715 χ^2/NDF:45292.1/6

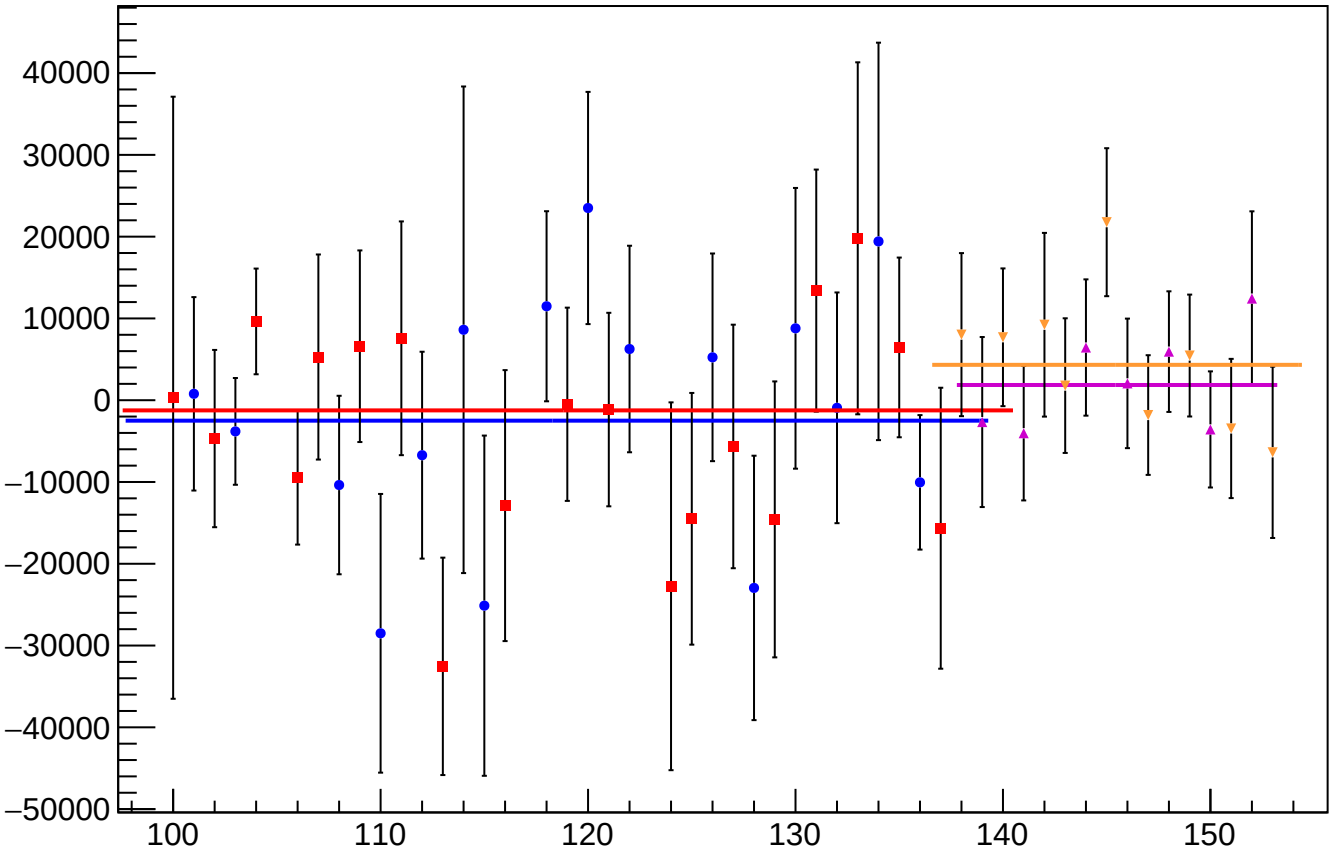
Left: 2516.610+/-0.491 χ^2/NDF: 109996.8/15

Right: 2478.107+/-0.468 χ^2/NDF: 1052433.3/34

In: 2504.444+/-0.490 χ^2/NDF:656957.7/22

Out: 2489.073+/-0.470 χ^2/NDF:508176.1/27

All: 2496.431+/-0.339 χ^2/NDF: 1165646.6/50



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 4325.603+/-2903.132 χ^2/NDF:6.9/8

Right Out: -1244.352+/-2852.739 χ^2/NDF: 16.6/18

Left In: 1861.402+/-3140.399 χ^2/NDF:2.9/6

Left: 3190.097+/-2131.775 χ^2/NDF: 10.1/15

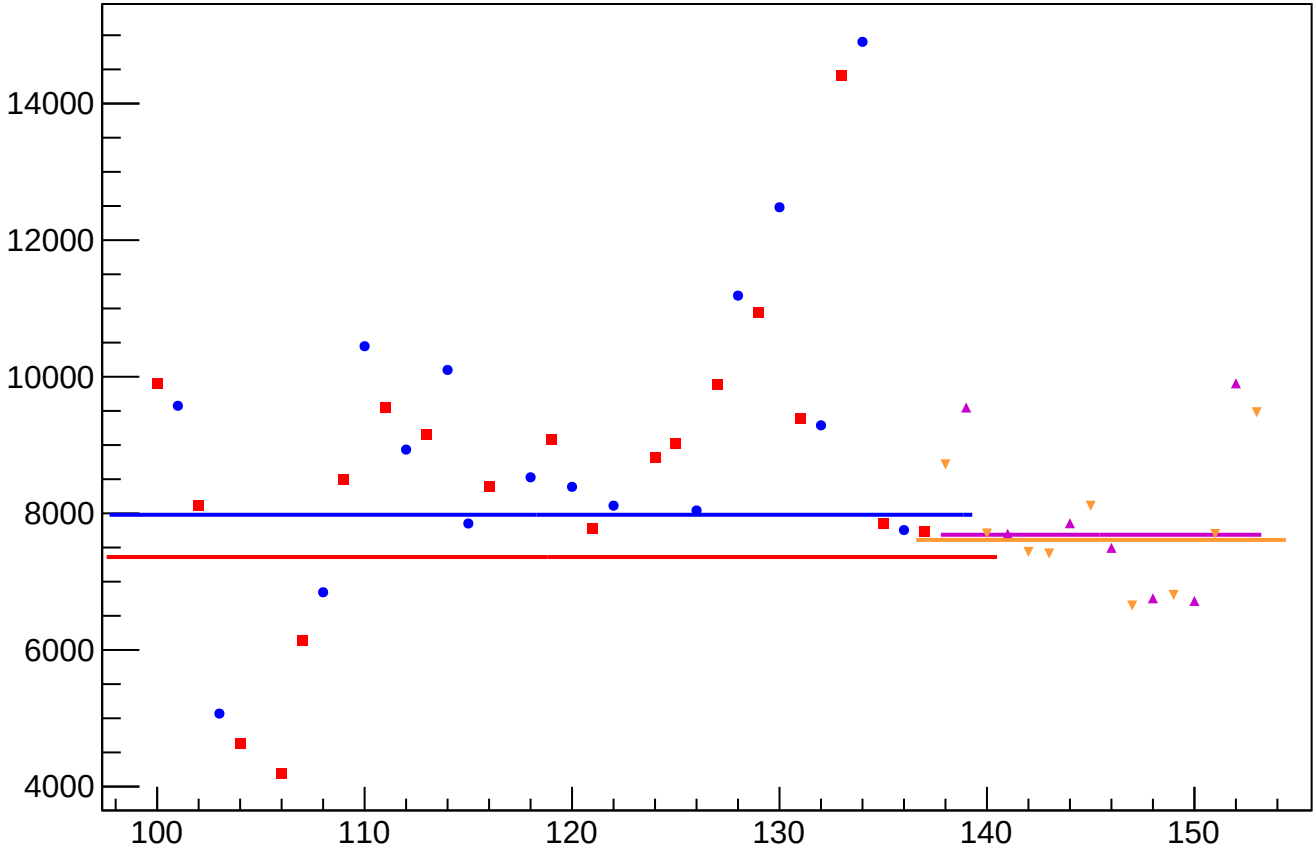
Right: -1825.322+/-2091.539 χ^2/NDF: 30.4/34

In: -365.081+/-2197.322 χ^2/NDF:17.6/22

Out: 1491.864+/-2034.774 χ^2/NDF:25.4/27

All: 634.609+/-1492.964 χ^2/NDF: 43.4/50

asym_atr2_reg_correction_rms vs Slug, Sign Corrected



Right In: 7979.488+/-2.175 χ^2/NDF: 923083.9/15

Left Out: 7611.338+/-2.053 χ^2/NDF:154366.6/8

Right Out: 7360.741+/-2.017 χ^2/NDF: 1286008.5/18

Left In: 7686.727+/-2.221 χ^2/NDF:221704.3/6

Left: 7646.077+/-1.507 χ^2/NDF: 376692.4/15

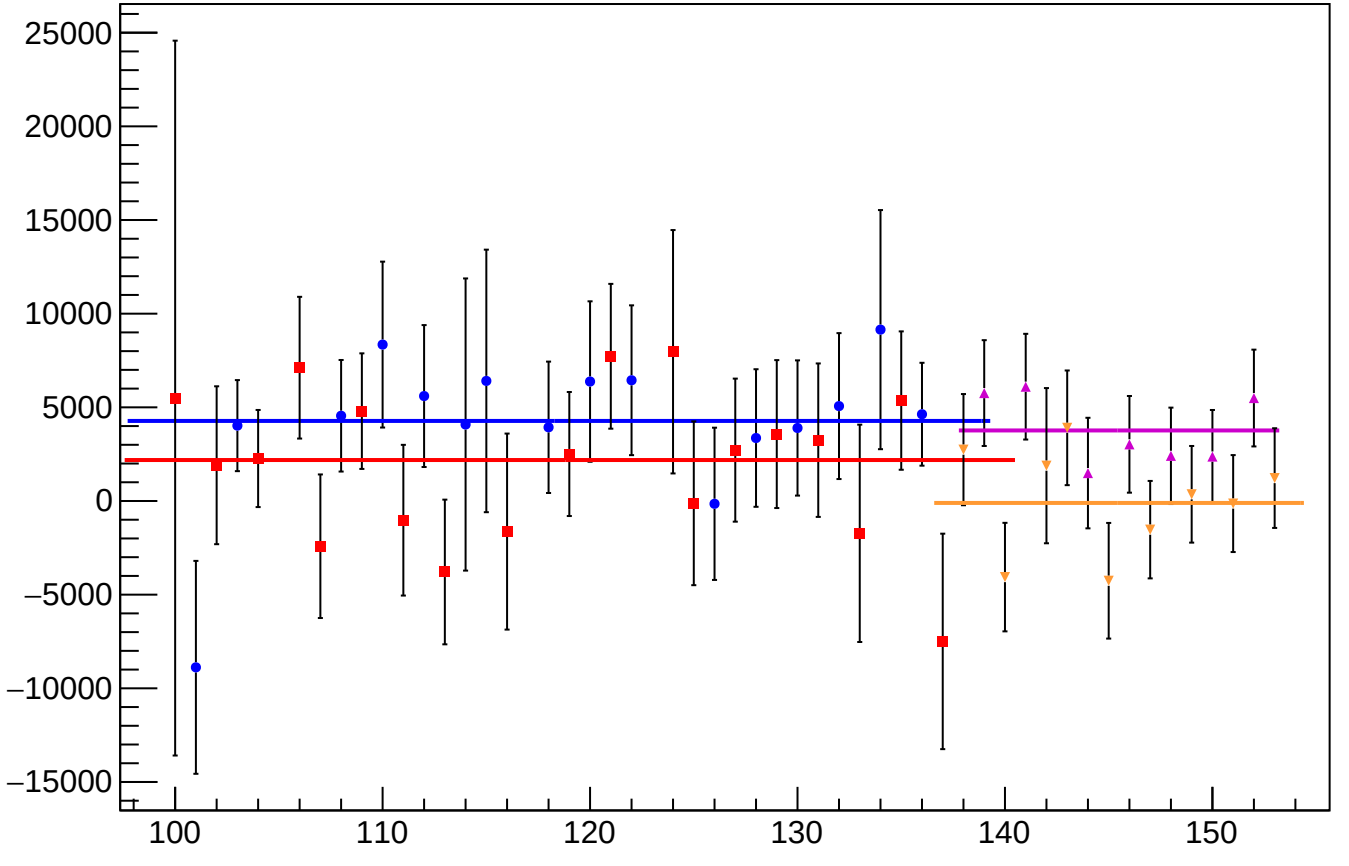
Right: 7646.889+/-1.479 χ^2/NDF: 2252604.4/34

In: 7836.160+/-1.554 χ^2/NDF:1153660.1/22

Out: 7483.846+/-1.439 χ^2/NDF:1447956.6/27

All: 7646.491+/-1.056 χ^2/NDF: 2629297.0/50

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: -103.765+/-957.254 χ^2/NDF:7.1/8

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 3766.073+/-1010.860 χ^2/NDF:2.9/6

Left: 1725.829+/-695.059 χ^2/NDF: 17.8/15

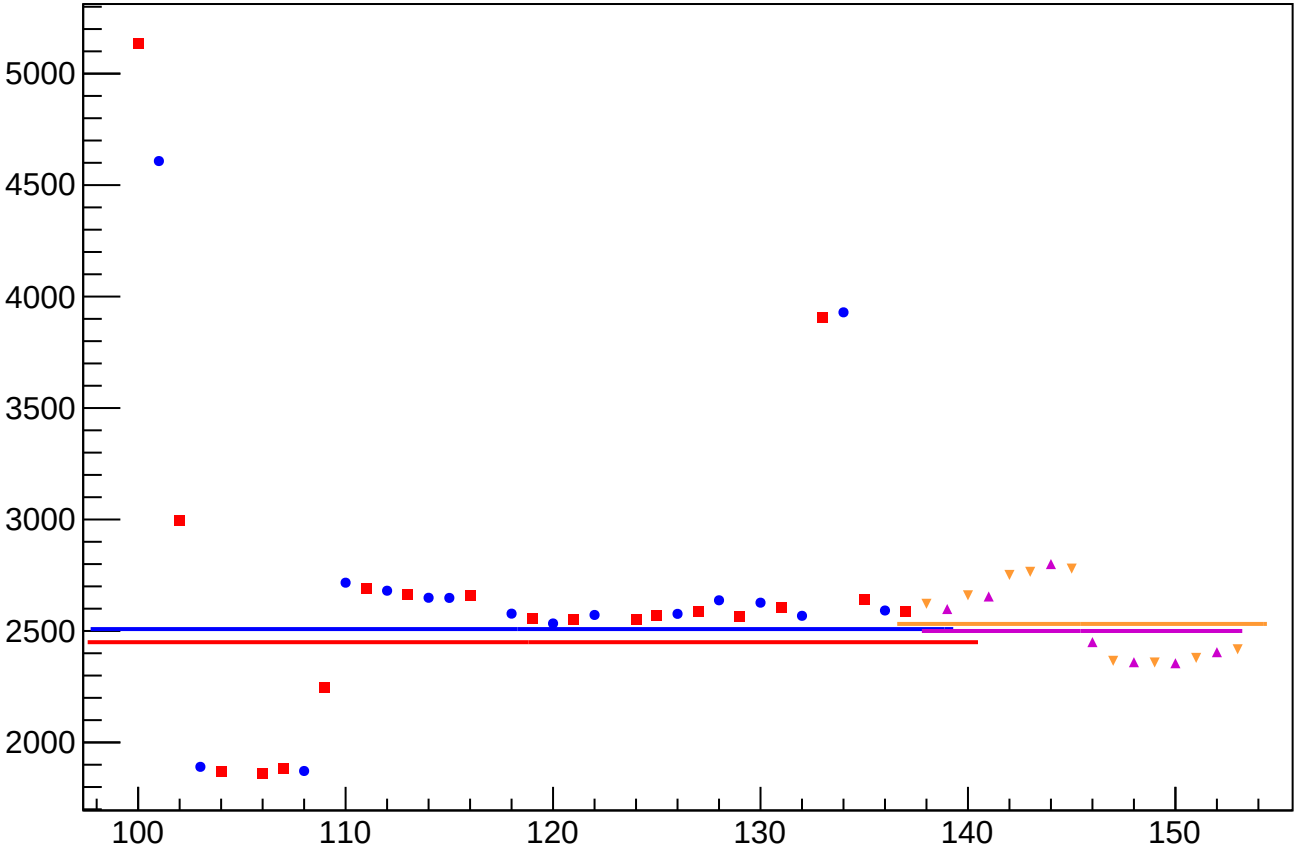
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 4035.214+/-693.023 χ^2/NDF:11.9/22

Out: 1084.380+/-664.108 χ^2/NDF:24.9/27

All: 2496.953+/-479.492 χ^2/NDF: 46.3/50

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2531.588+/-0.677 χ^2/NDF:63669.1/8

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2499.908+/-0.715 χ^2/NDF:45292.1/6

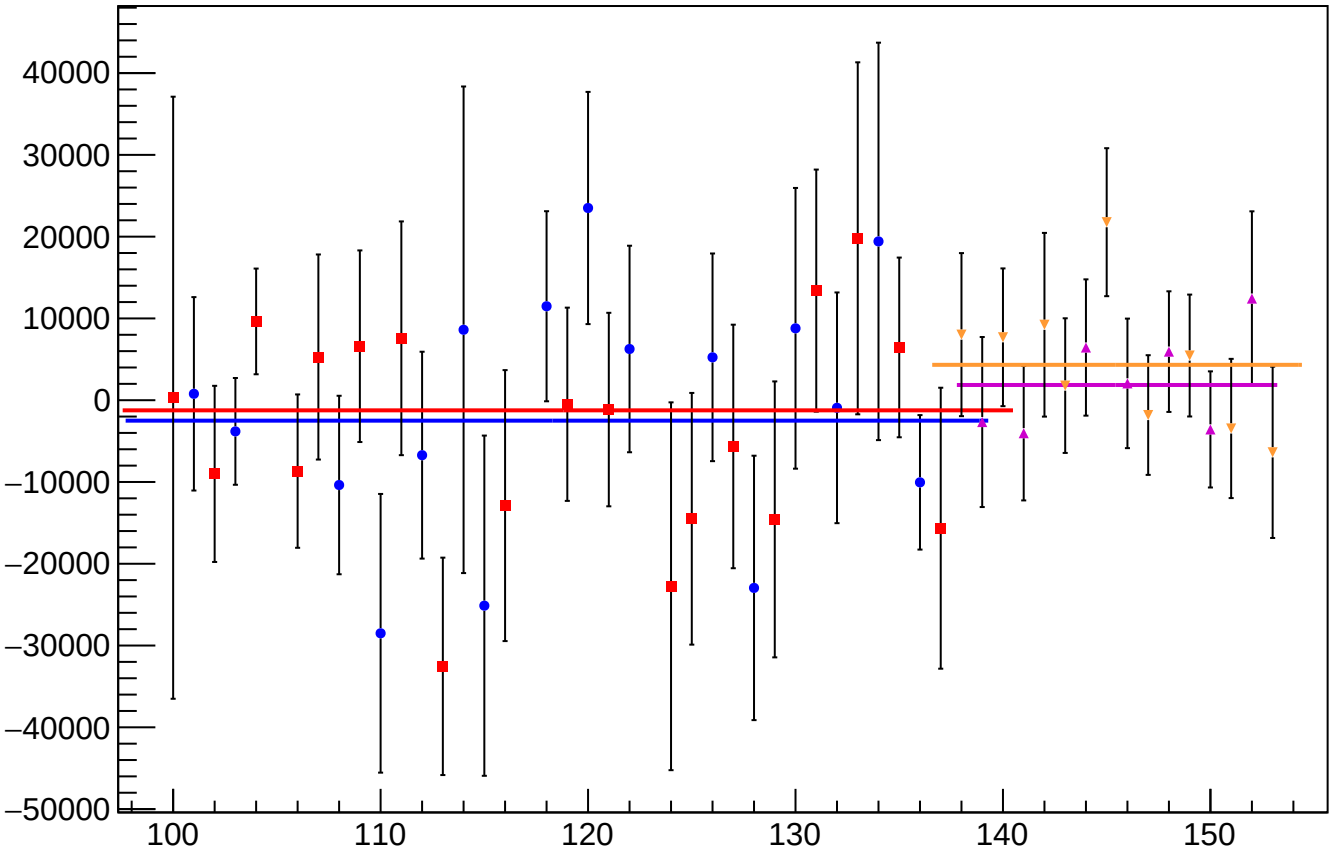
Left: 2516.610+/-0.491 χ^2/NDF: 109996.8/15

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2504.444+/-0.490 χ^2/NDF:656955.5/22

Out: 2489.086+/-0.470 χ^2/NDF:508117.1/27

All: 2496.438+/-0.339 χ^2/NDF: 1165584.7/50



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 4325.555+/-2903.126 χ^2/NDF:6.9/8

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 1861.547+/-3140.399 χ^2/NDF:2.9/6

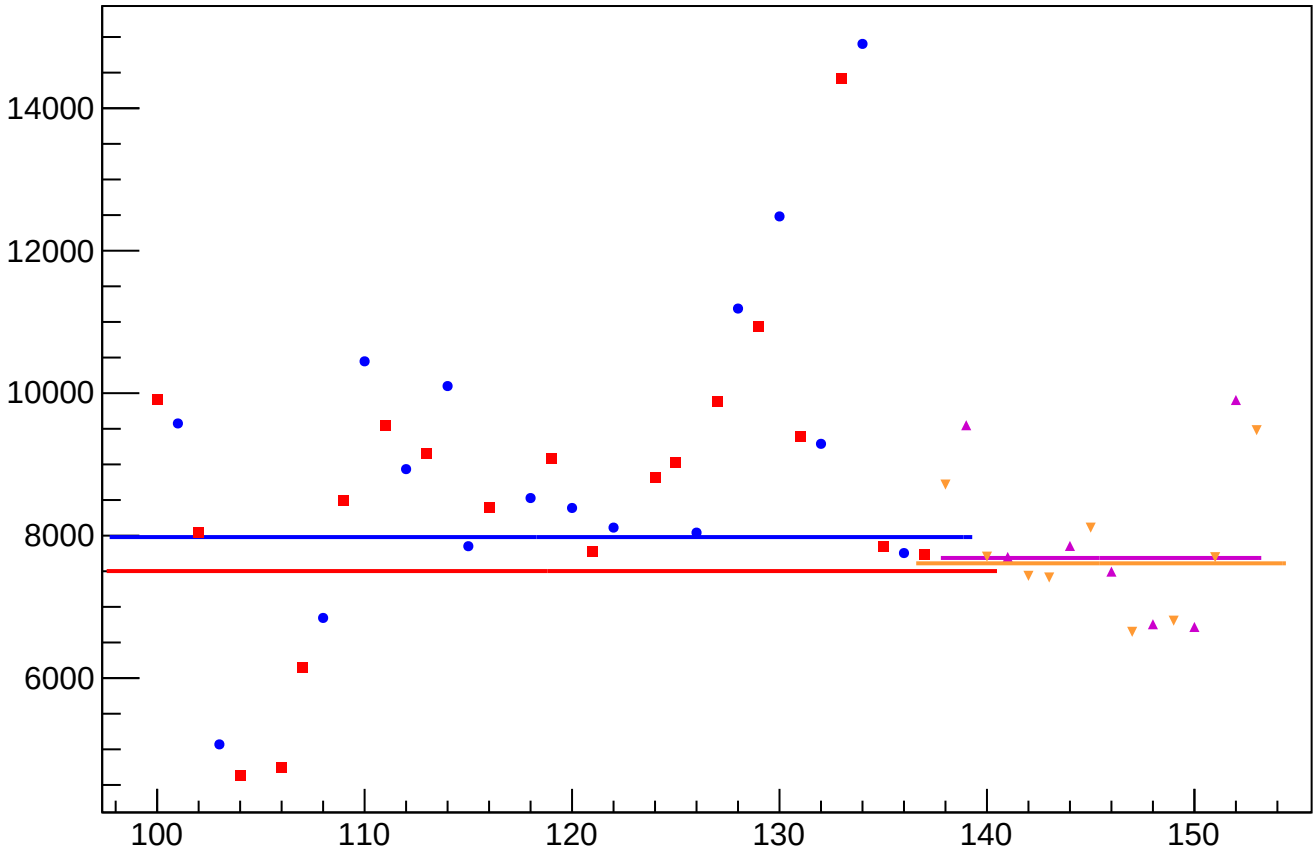
Left: 3190.141+/-2131.773 χ^2/NDF: 10.1/15

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

In: -364.834+/-2197.354 χ^2/NDF:17.6/22

Out: 1533.553+/-2049.396 χ^2/NDF:25.4/27

All: 650.420+/-1498.721 χ^2/NDF: 43.4/50



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 7611.322+/-2.053 χ^2/NDF:154370.2/8

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 7686.726+/-2.221 χ^2/NDF:221707.2/6

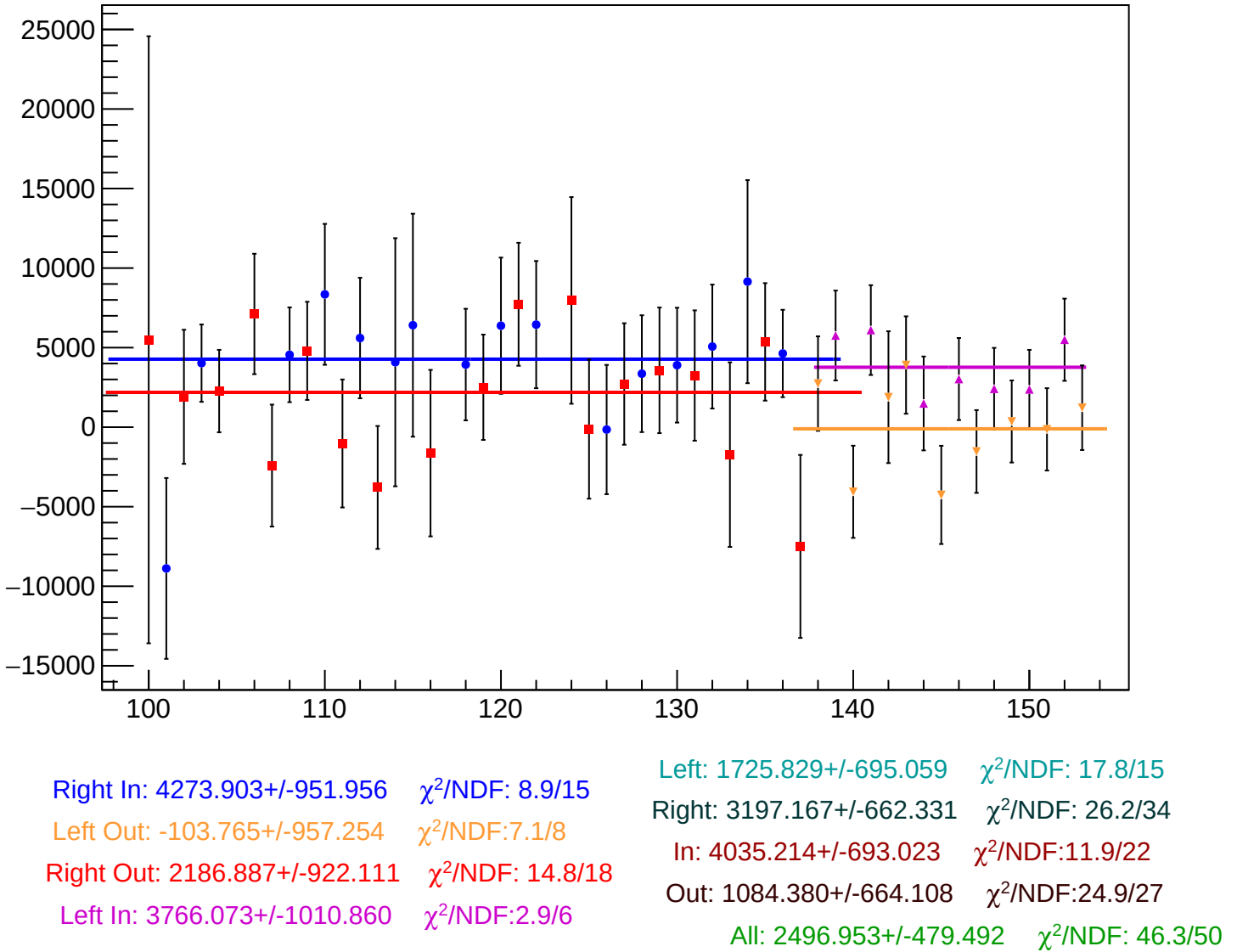
Left: 7646.068+/-1.507 χ^2/NDF: 376699.1/15

Right: 7726.698+/-1.490 χ^2/NDF: 2083841.8/34

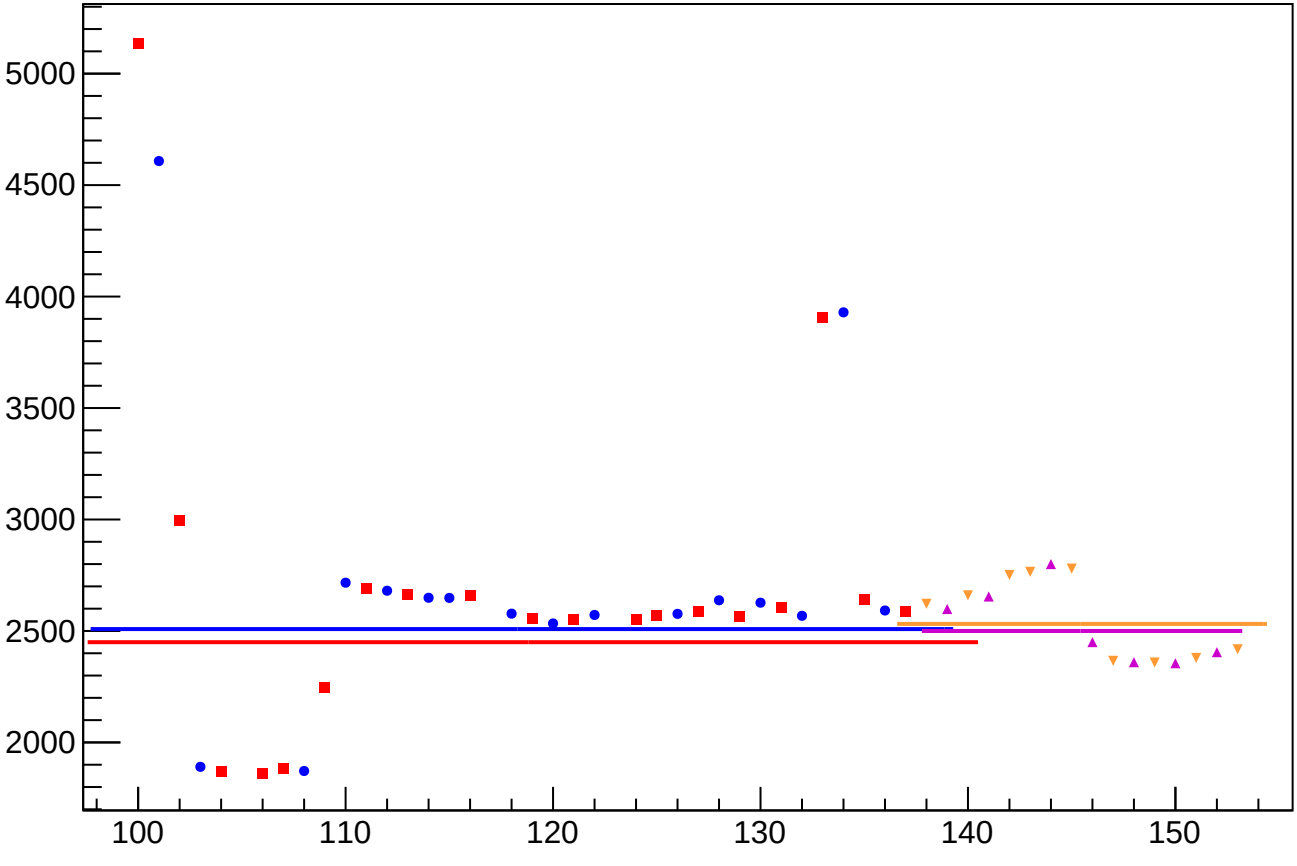
In: 7836.321+/-1.554 χ^2/NDF:1153384.0/22

Out: 7556.822+/-1.449 χ^2/NDF:1291298.7/27

All: 7686.846+/-1.060 χ^2/NDF: 2461987.9/50


eigen_cor_asym_atr2_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: 4273.903+/-951.956 χ²/NDF: 8.9/15
Left Out: -103.765+/-957.254 χ²/NDF:7.1/8
Right Out: 2186.887+/-922.111 χ²/NDF: 14.8/18
Left In: 3766.073+/-1010.860 χ²/NDF:2.9/6
Left: 1725.829+/-695.059 χ²/NDF: 17.8/15
Right: 3197.167+/-662.331 χ²/NDF: 26.2/34
In: 4035.214+/-693.023 χ²/NDF:11.9/22
Out: 1084.380+/-664.108 χ²/NDF:24.9/27
All: 2496.953+/-479.492 χ²/NDF: 46.3/50

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2531.588+/-0.677 χ^2/NDF:63669.1/8

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2499.908+/-0.715 χ^2/NDF:45292.1/6

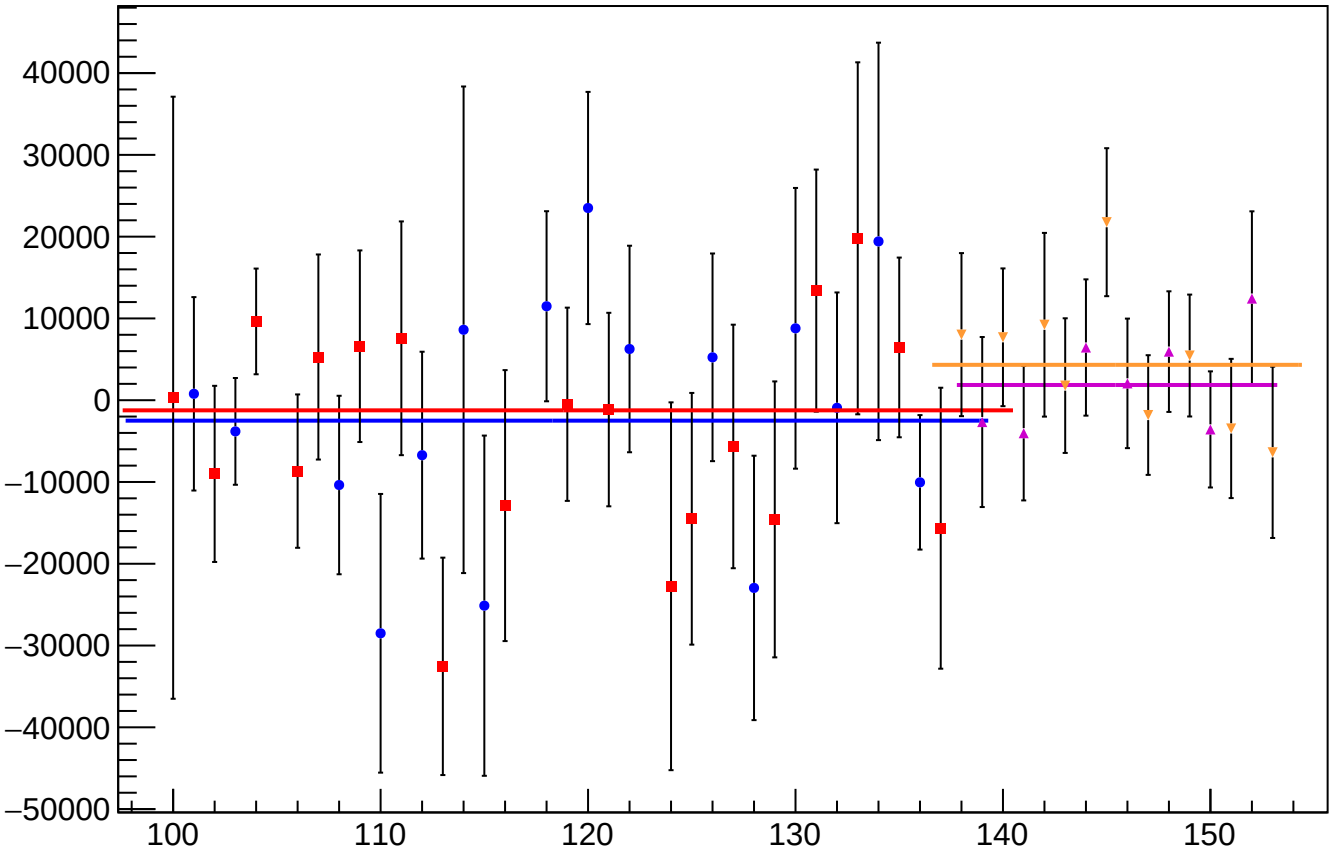
Left: 2516.610+/-0.491 χ^2/NDF: 109996.8/15

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2504.444+/-0.490 χ^2/NDF:656955.5/22

Out: 2489.086+/-0.470 χ^2/NDF:508117.1/27

All: 2496.438+/-0.339 χ^2/NDF: 1165584.7/50



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 4325.555+/-2903.126 χ^2/NDF:6.9/8

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 1861.547+/-3140.399 χ^2/NDF:2.9/6

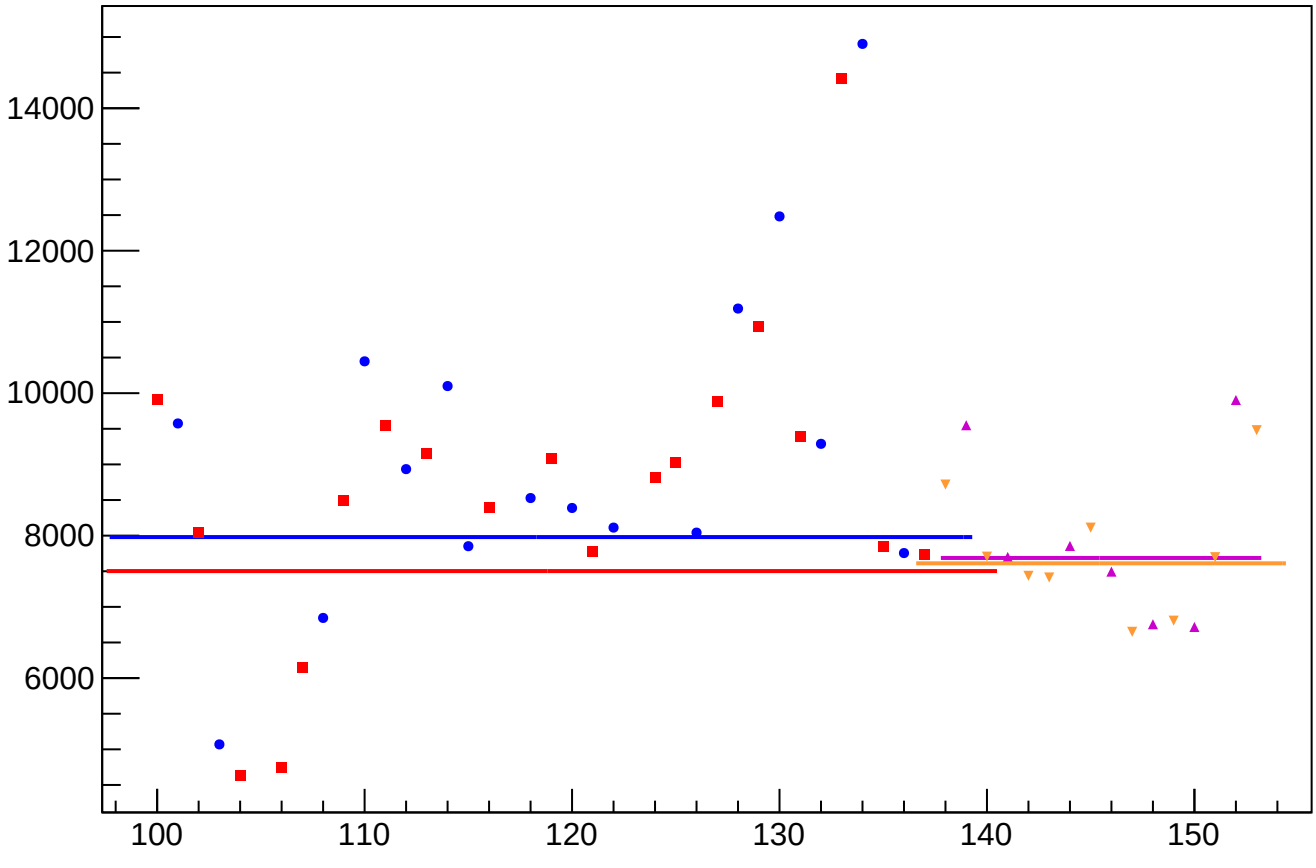
Left: 3190.141+/-2131.773 χ^2/NDF: 10.1/15

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

In: -364.834+/-2197.354 χ^2/NDF:17.6/22

Out: 1533.553+/-2049.396 χ^2/NDF:25.4/27

All: 650.420+/-1498.721 χ^2/NDF: 43.4/50



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 7611.322+/-2.053 χ^2/NDF:154370.2/8

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 7686.726+/-2.221 χ^2/NDF:221707.2/6

Left: 7646.068+/-1.507 χ^2/NDF: 376699.1/15

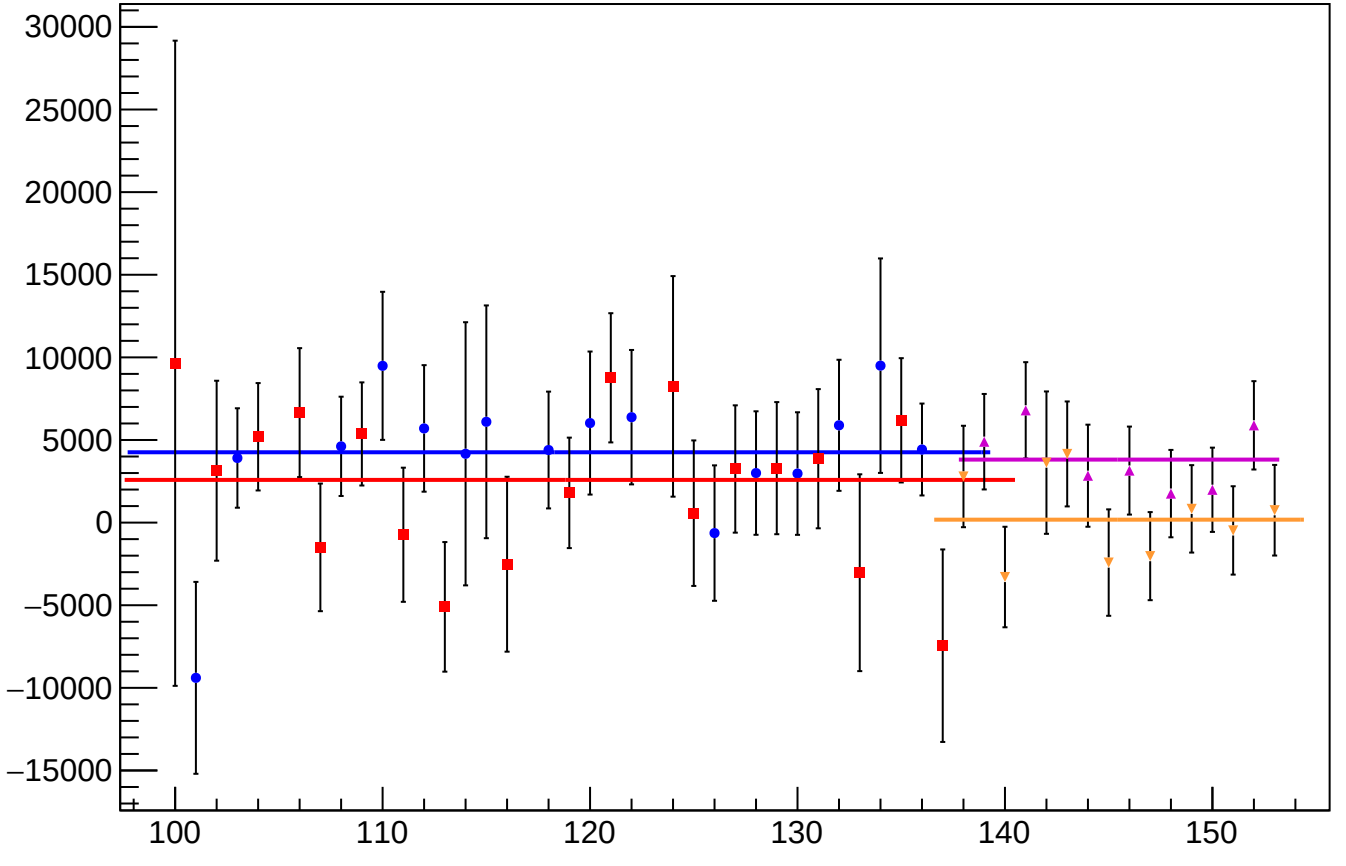
Right: 7726.698+/-1.490 χ^2/NDF: 2083841.8/34

In: 7836.321+/-1.554 χ^2/NDF:1153384.0/22

Out: 7556.822+/-1.449 χ^2/NDF:1291298.7/27

All: 7686.846+/-1.060 χ^2/NDF: 2461987.9/50

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 177.994+/-990.105 χ^2/NDF:5.7/8

Right Out: 2584.689+/-966.049 χ^2/NDF: 17.6/18

Left In: 3813.446+/-1042.490 χ^2/NDF:3.1/6

Left: 1902.087+/-717.915 χ^2/NDF: 15.2/15

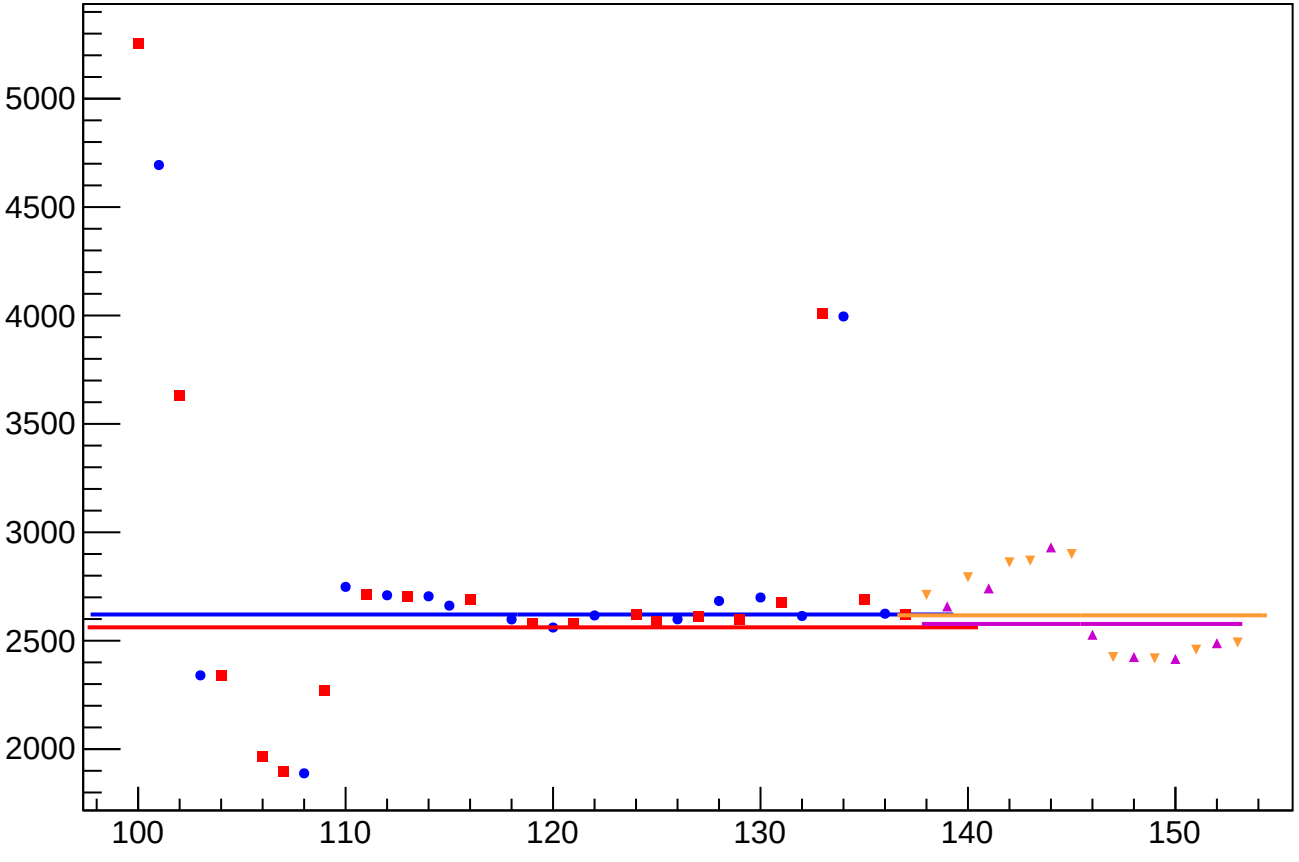
Right: 3399.902+/-691.597 χ^2/NDF: 29.1/34

In: 4046.537+/-718.082 χ^2/NDF:13.2/22

Out: 1410.934+/-691.448 χ^2/NDF:26.4/27

All: 2678.952+/-498.077 χ^2/NDF: 46.6/50

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2617.119+/-0.700 χ^2/NDF:75894.8/8

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

Left In: 2577.307+/-0.737 χ^2/NDF:51649.3/6

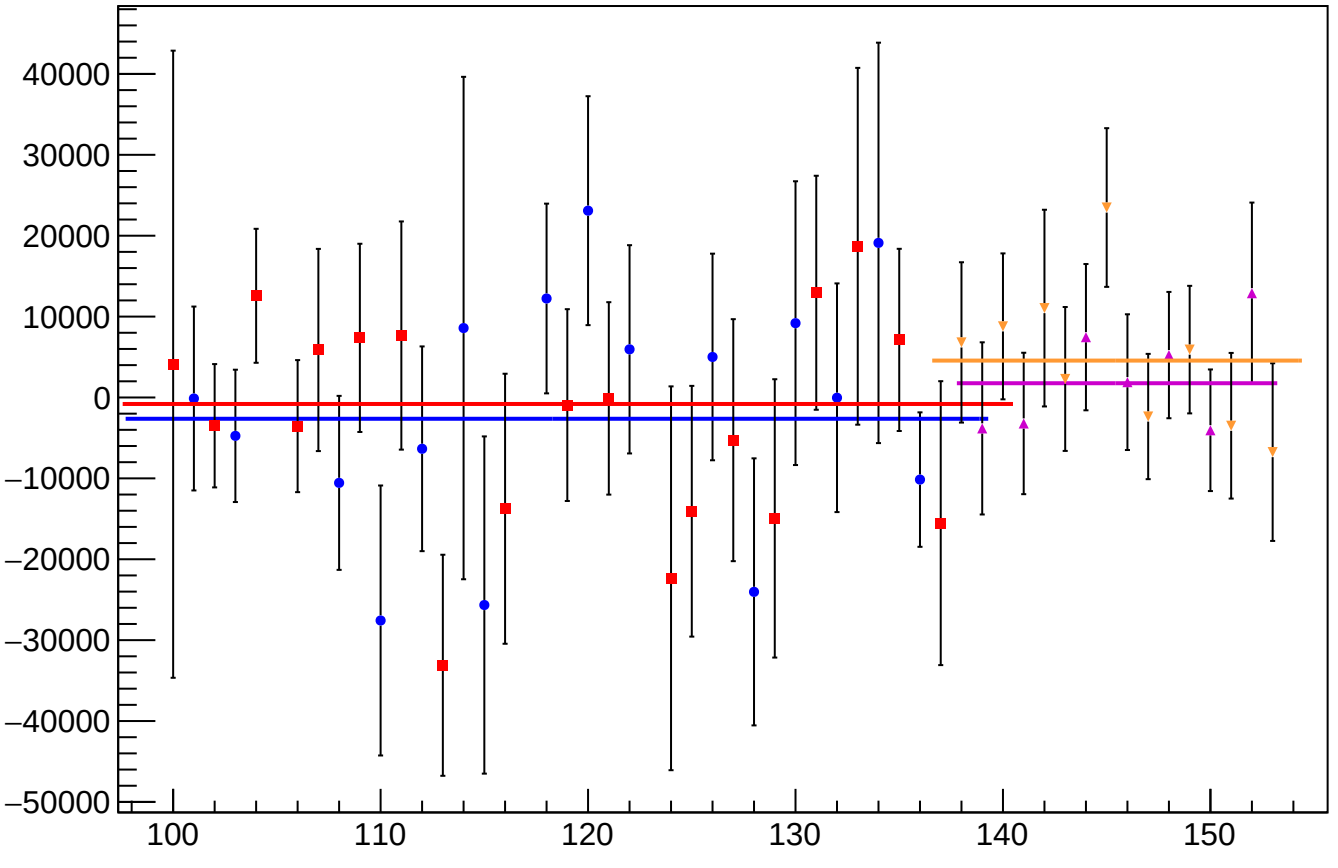
Left: 2598.238+/-0.508 χ^2/NDF: 129077.7/15

Right: 2590.582+/-0.489 χ^2/NDF: 867842.6/34

In: 2600.250+/-0.508 χ^2/NDF:539406.7/22

Out: 2588.721+/-0.489 χ^2/NDF:457364.1/27

All: 2594.266+/-0.352 χ^2/NDF: 997038.4/50



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 4562.186+/-3076.545 χ^2/NDF:7.0/8

Right Out: -802.880+/-2872.934 χ^2/NDF: 15.4/18

Left In: 1762.353+/-3325.681 χ^2/NDF:2.8/6

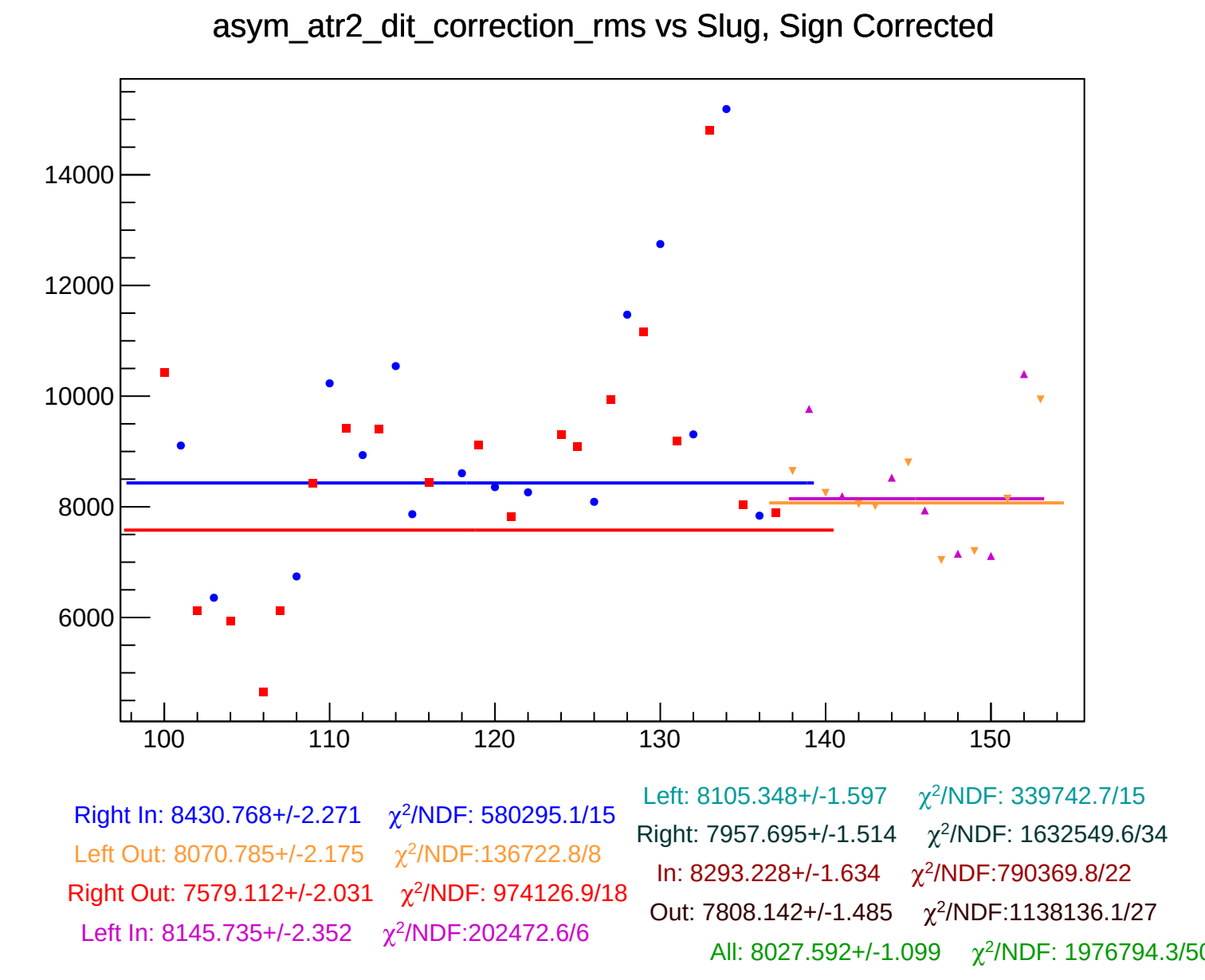
Left: 3271.057+/-2258.392 χ^2/NDF: 10.2/15

Right: -1615.936+/-2141.201 χ^2/NDF: 29.4/34

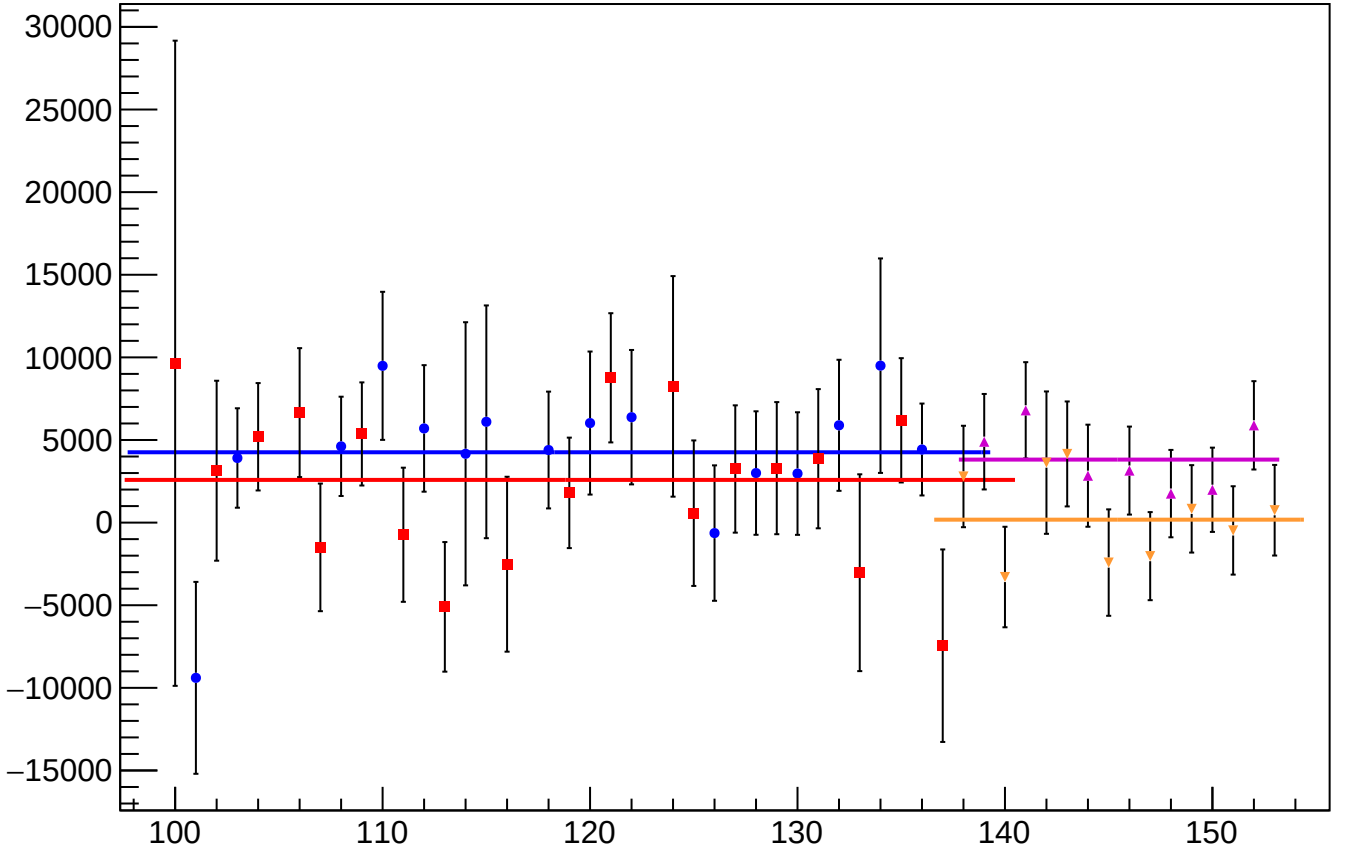
In: -511.509+/-2310.187 χ^2/NDF:17.5/22

Out: 1696.258+/-2099.766 χ^2/NDF:24.1/27

All: 697.479+/-1553.836 χ^2/NDF: 42.0/50


asym_atr2_dit_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
Right In: 8430.768+/-2.271 χ²/NDF: 580295.1/15
Left Out: 8070.785+/-2.175 χ²/NDF:136722.8/8
Right Out: 7579.112+/-2.031 χ²/NDF: 974126.9/18
Left In: 8145.735+/-2.352 χ²/NDF:202472.6/6
Left: 8105.348+/-1.597 χ²/NDF: 339742.7/15
Right: 7957.695+/-1.514 χ²/NDF: 1632549.6/34
In: 8293.228+/-1.634 χ²/NDF:790369.8/22
Out: 7808.142+/-1.485 χ²/NDF:1138136.1/27
All: 8027.592+/-1.099 χ²/NDF: 1976794.3/50

eigen_dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: 177.987+/-990.105 χ^2/NDF:5.7/8

Right Out: 2584.699+/-966.048 χ^2/NDF: 17.6/18

Left In: 3813.439+/-1042.491 χ^2/NDF:3.1/6

Left: 1902.081+/-717.915 χ^2/NDF: 15.2/15

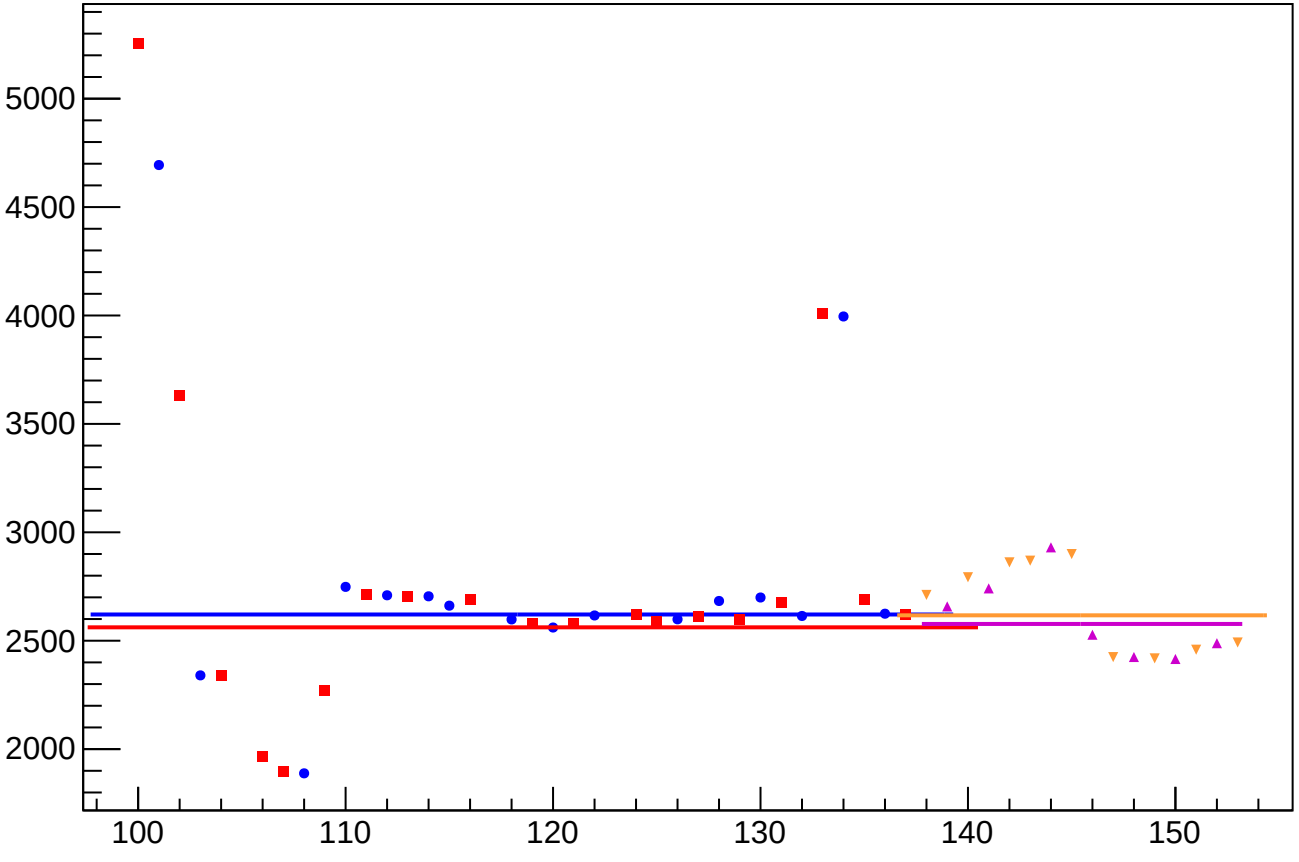
Right: 3399.911+/-691.596 χ^2/NDF: 29.1/34

In: 4046.538+/-718.082 χ^2/NDF:13.2/22

Out: 1410.937+/-691.448 χ^2/NDF:26.4/27

All: 2678.954+/-498.077 χ^2/NDF: 46.6/50

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2617.121+/-0.700 χ^2/NDF:75895.0/8

Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2577.308+/-0.737 χ^2/NDF:51649.1/6

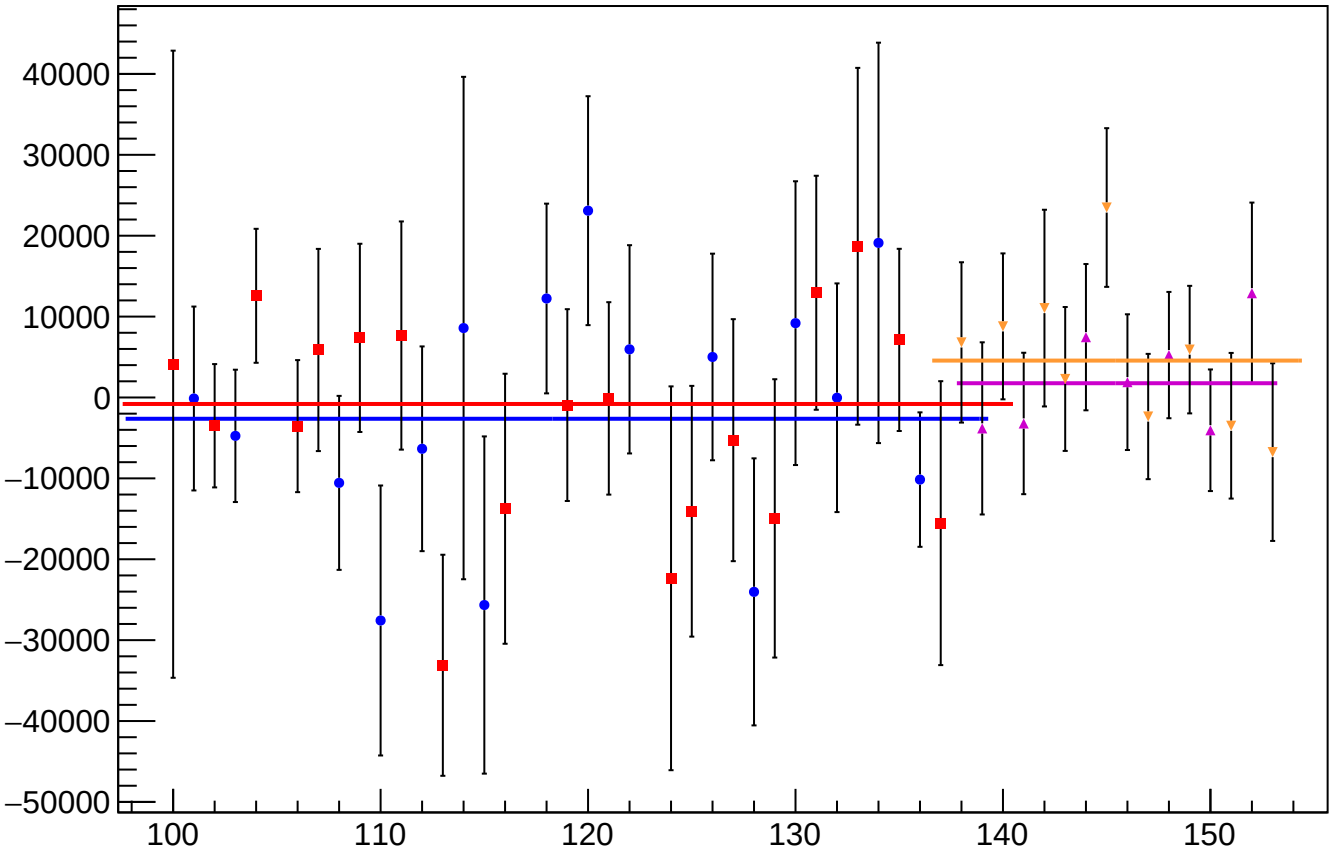
Left: 2598.240+/-0.508 χ^2/NDF: 129077.7/15

Right: 2590.582+/-0.489 χ^2/NDF: 867842.2/34

In: 2600.250+/-0.508 χ^2/NDF:539406.5/22

Out: 2588.722+/-0.489 χ^2/NDF:457363.9/27

All: 2594.267+/-0.352 χ^2/NDF: 997038.0/50



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 4562.183+/-3076.550 χ^2/NDF:7.0/8

Right Out: -802.875+/-2872.930 χ^2/NDF: 15.4/18

Left In: 1762.348+/-3325.686 χ^2/NDF:2.8/6

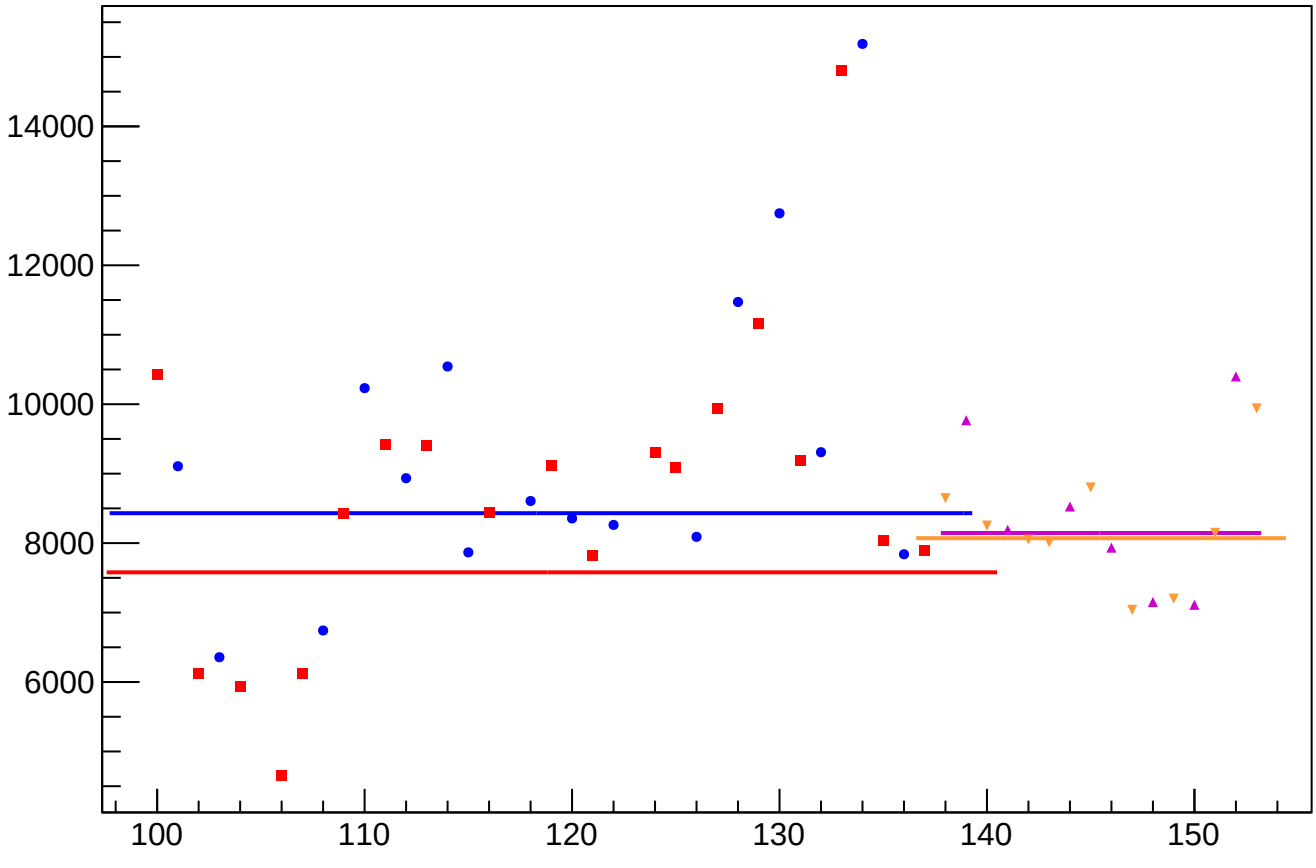
Left: 3271.053+/-2258.395 χ^2/NDF: 10.2/15

Right: -1615.919+/-2141.198 χ^2/NDF: 29.4/34

In: -511.500+/-2310.187 χ^2/NDF:17.5/22

Out: 1696.250+/-2099.765 χ^2/NDF:24.1/27

All: 697.479+/-1553.836 χ^2/NDF: 42.0/50



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 8070.797+/-2.175 χ^2/NDF:136722.2/8

Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

Left In: 8145.747+/-2.352 χ^2/NDF:202471.4/6

Left: 8105.359+/-1.597 χ^2/NDF: 339741.0/15

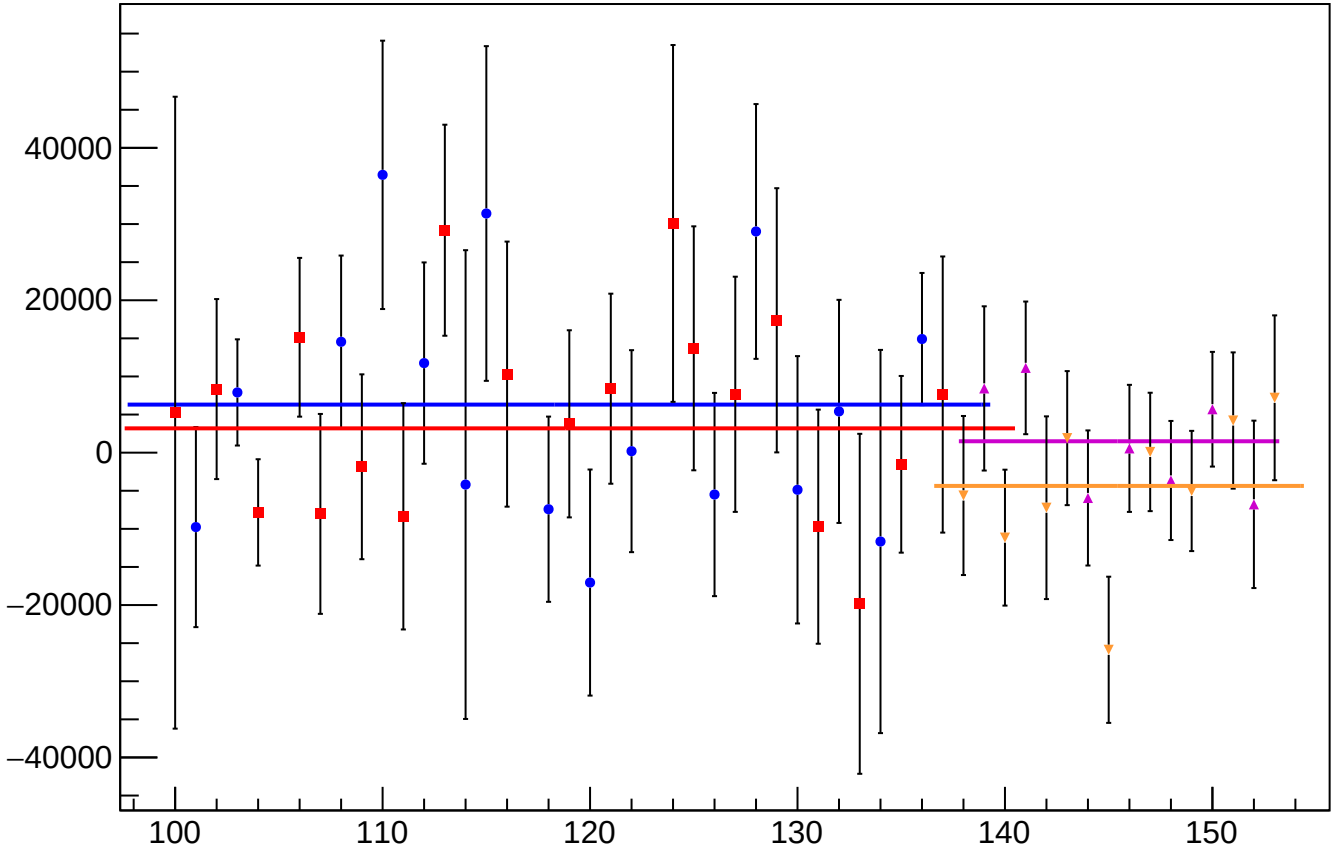
Right: 7957.685+/-1.514 χ^2/NDF: 1632540.7/34

In: 8293.229+/-1.634 χ^2/NDF:790361.7/22

Out: 7808.140+/-1.485 χ^2/NDF:1138134.4/27

All: 8027.591+/-1.099 χ^2/NDF: 1976785.1/50

asym_atr2_mean vs Slug, Sign Corrected



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -4364.822+/-3068.714 χ^2/NDF:8.6/8

Right Out: 3189.356+/-3068.645 χ^2/NDF: 13.9/18

Left In: 1495.892+/-3310.823 χ^2/NDF:3.7/6

Left: -1656.564+/-2250.638 χ^2/NDF: 13.9/15

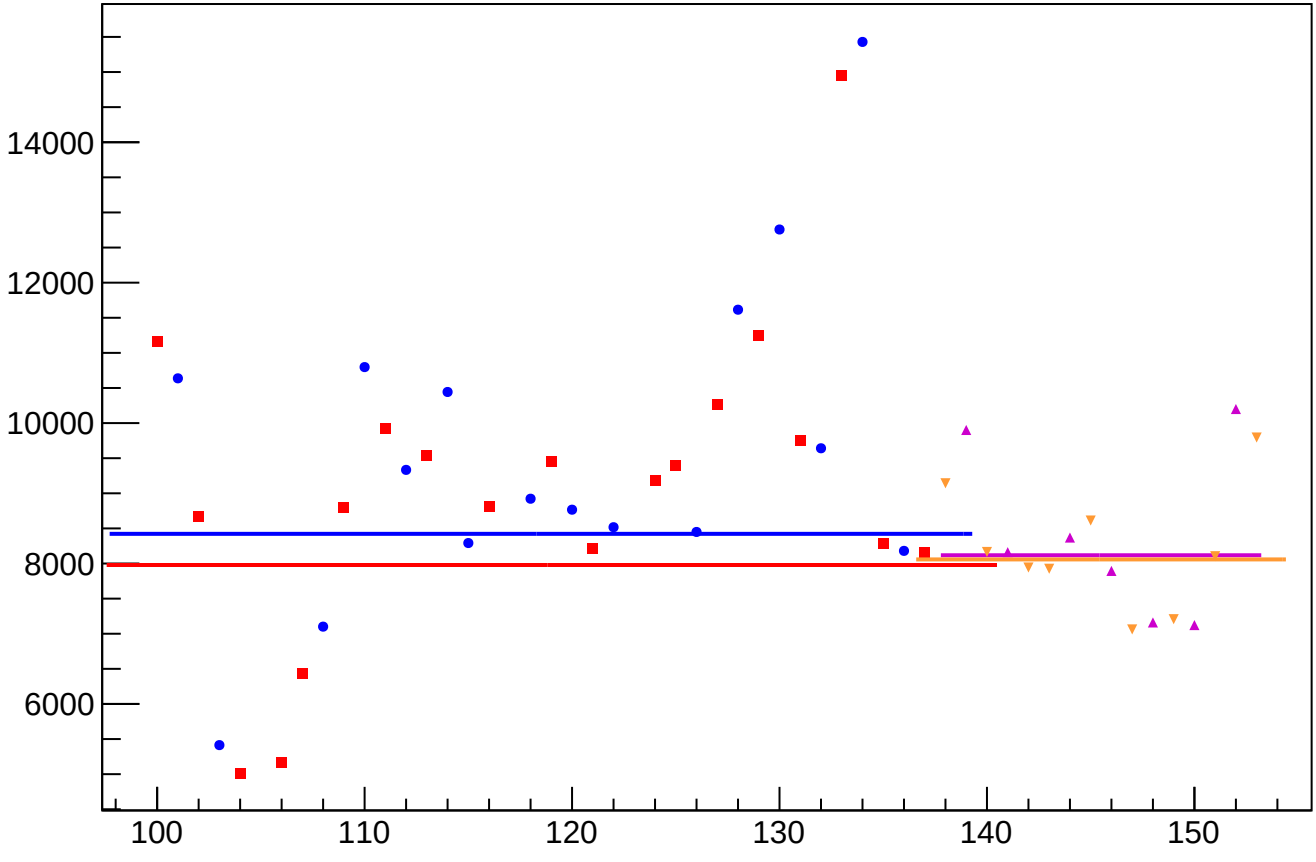
Right: 4663.718+/-2227.879 χ^2/NDF: 29.5/34

In: 3953.692+/-2315.551 χ^2/NDF:19.9/22

Out: -587.649+/-2169.884 χ^2/NDF:25.5/27

All: 1535.695+/-1583.334 χ^2/NDF: 47.4/50

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 8058.375+/-2.170 χ^2/NDF:136963.3/8

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

Left In: 8117.601+/-2.341 χ^2/NDF:194724.8/6

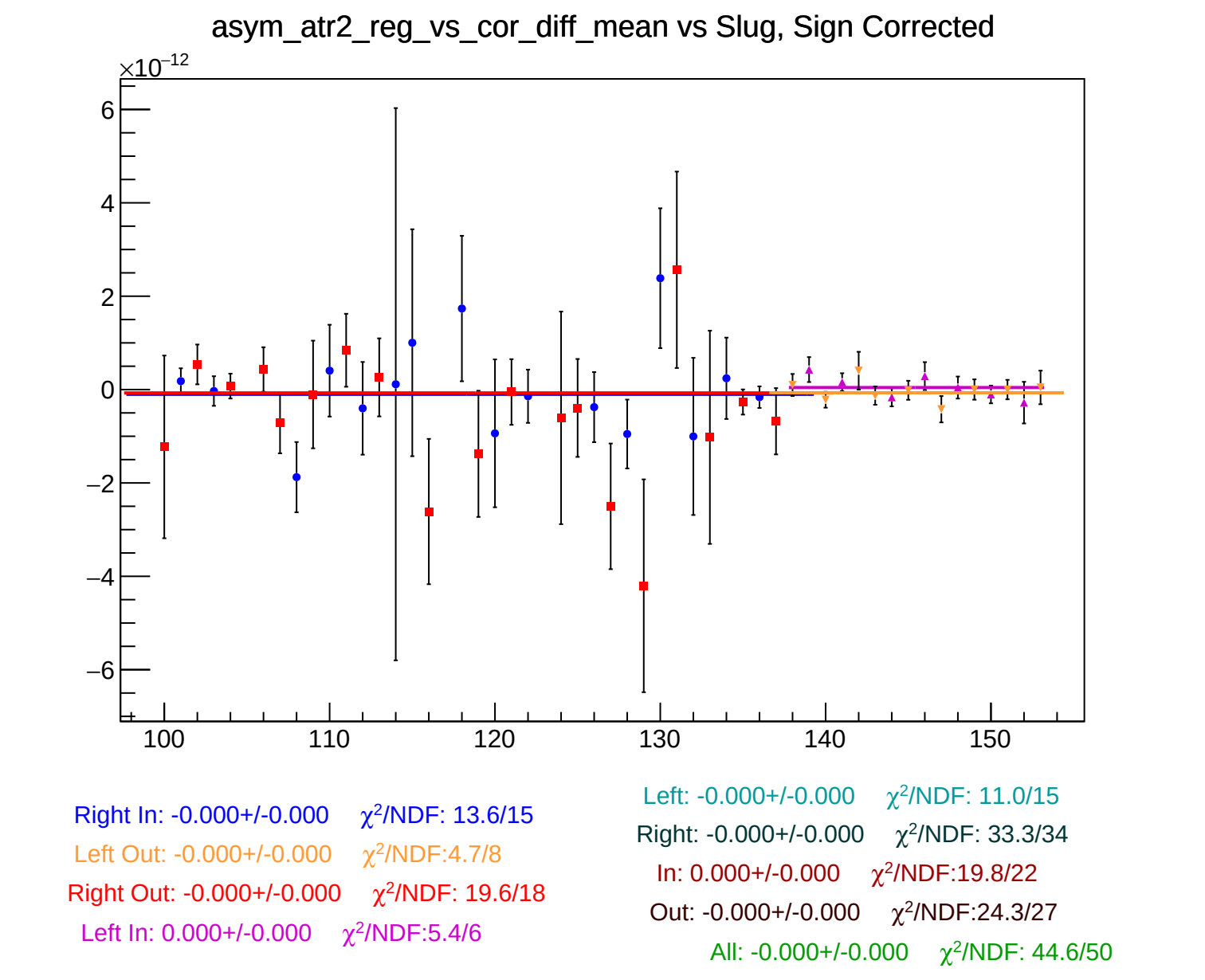
Left: 8085.744+/-1.591 χ^2/NDF: 332032.3/15

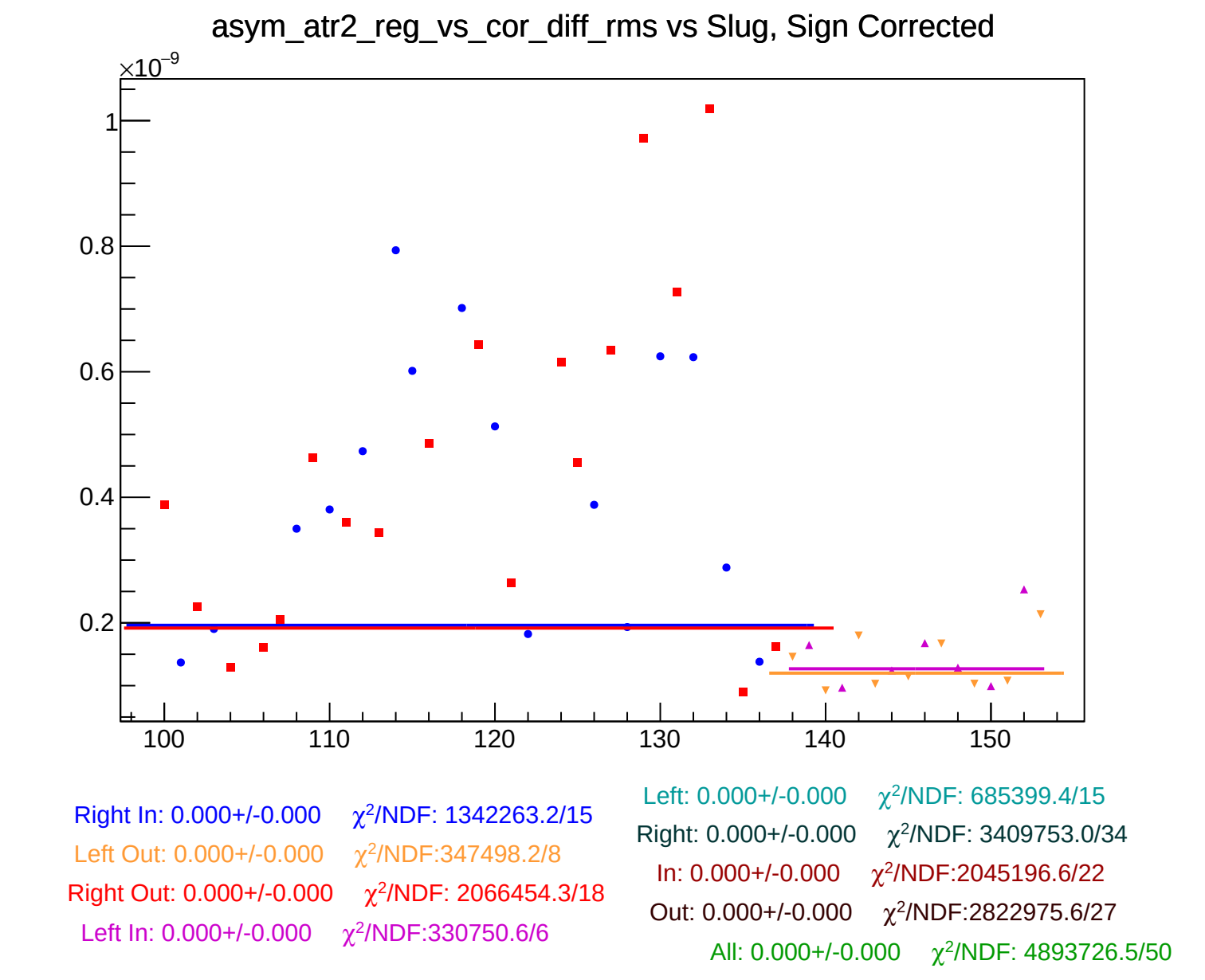
Right: 8188.830+/-1.575 χ^2/NDF: 1917628.8/34

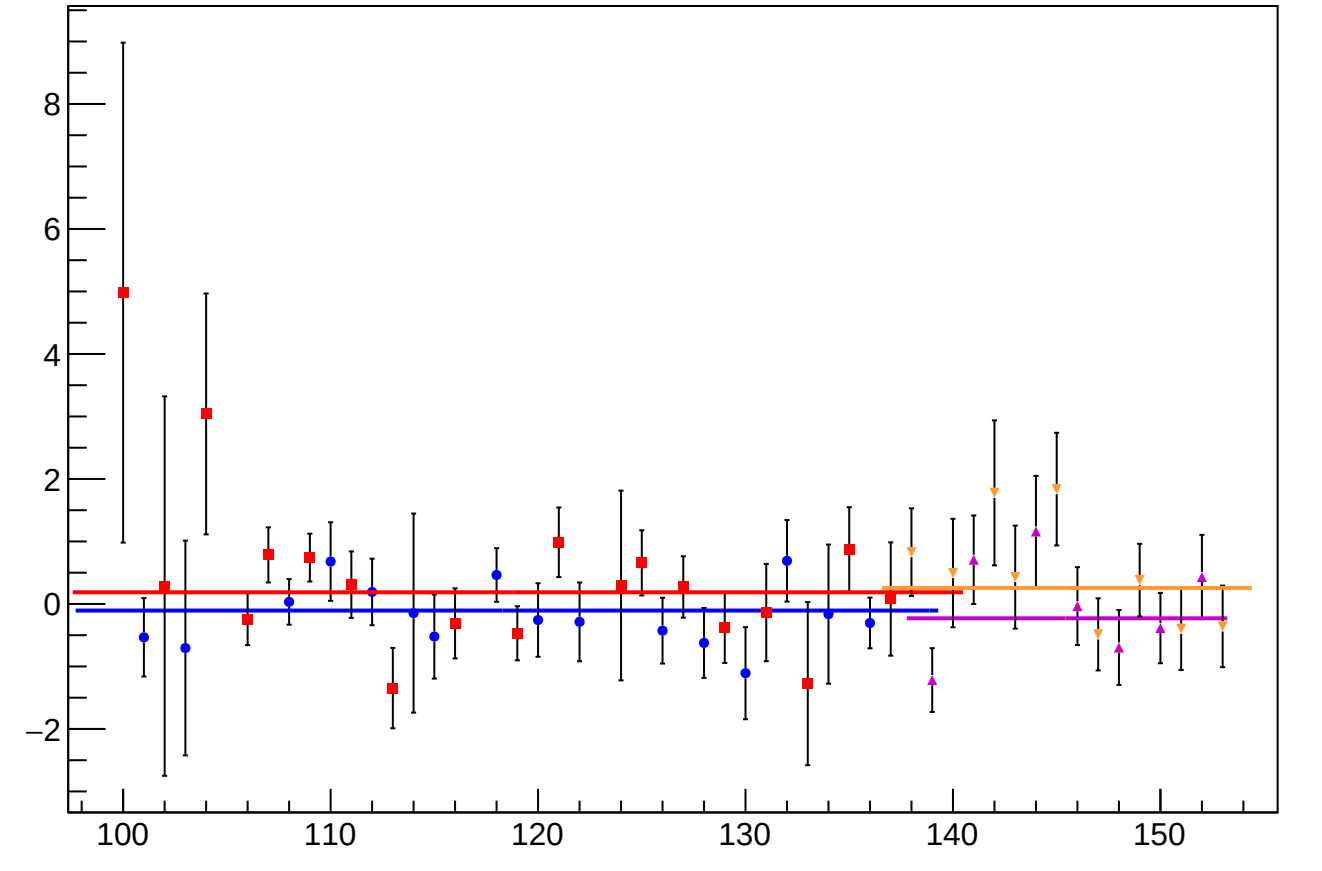
In: 8273.472+/-1.637 χ^2/NDF:1085236.0/22

Out: 8018.685+/-1.534 χ^2/NDF:1153651.5/27

All: 8137.811+/-1.120 χ^2/NDF: 2251780.4/50


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
Right In: -0.000+/-0.000 χ²/NDF: 13.6/15
Left Out: -0.000+/-0.000 χ²/NDF:4.7/8
Right Out: -0.000+/-0.000 χ²/NDF: 19.6/18
Left In: 0.000+/-0.000 χ²/NDF:5.4/6
Left: -0.000+/-0.000 χ²/NDF: 11.0/15
Right: -0.000+/-0.000 χ²/NDF: 33.3/34
In: 0.000+/-0.000 χ²/NDF:19.8/22
Out: -0.000+/-0.000 χ²/NDF:24.3/27
All: -0.000+/-0.000 χ²/NDF: 44.6/50


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
Right In: 0.000+/-0.000 χ²/NDF: 1342263.2/15
Left Out: 0.000+/-0.000 χ²/NDF:347498.2/8
Right Out: 0.000+/-0.000 χ²/NDF: 2066454.3/18
Left In: 0.000+/-0.000 χ²/NDF:330750.6/6
Left: 0.000+/-0.000 χ²/NDF: 685399.4/15
Right: 0.000+/-0.000 χ²/NDF: 3409753.0/34
In: 0.000+/-0.000 χ²/NDF:2045196.6/22
Out: 0.000+/-0.000 χ²/NDF:2822975.6/27
All: 0.000+/-0.000 χ²/NDF: 4893726.5/50



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.257+/-0.240 χ^2/NDF:9.2/8

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.230+/-0.237 χ^2/NDF:9.7/6

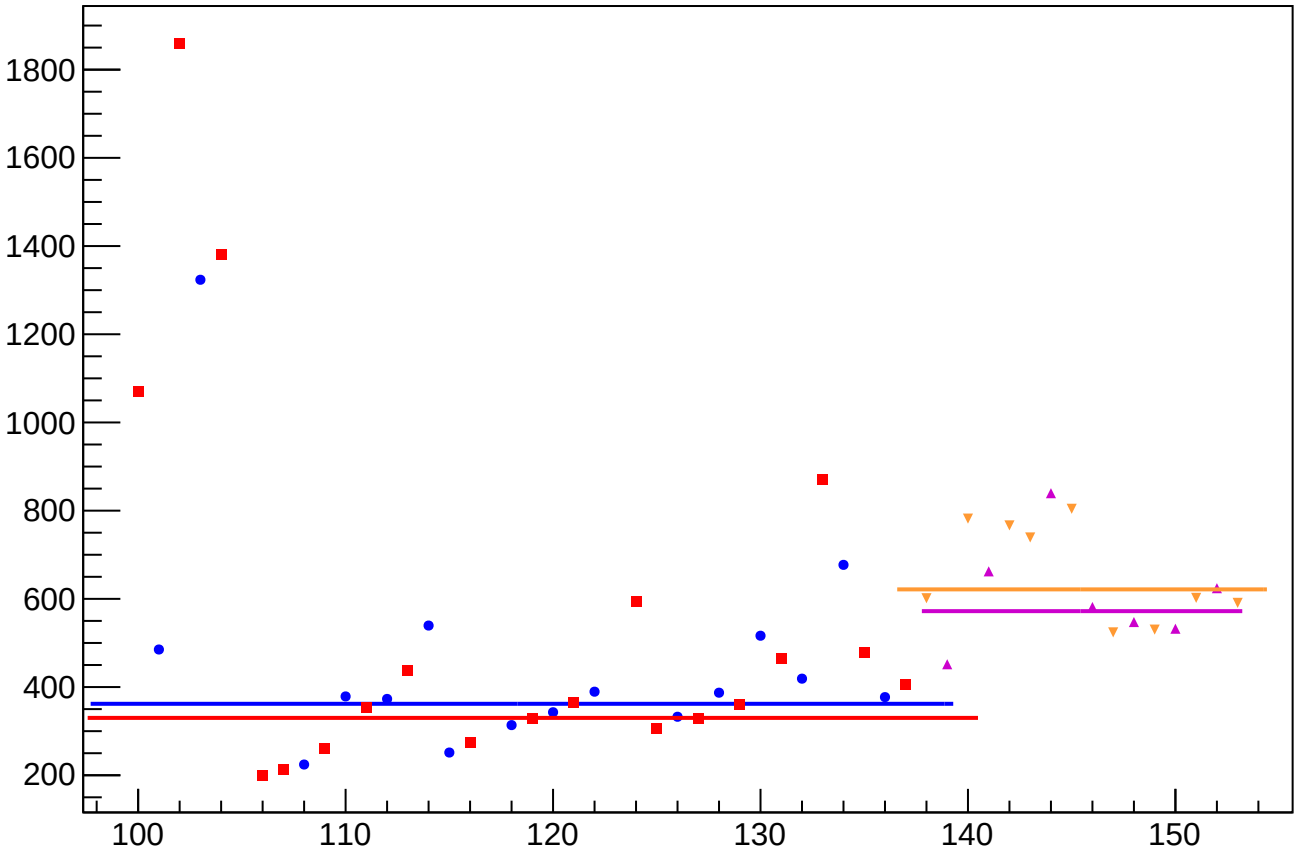
Left: 0.011+/-0.168 χ^2/NDF: 20.9/15

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.139+/-0.123 χ^2/NDF:19.6/22

Out: 0.204+/-0.119 χ^2/NDF:33.1/27

All: 0.039+/-0.086 χ^2/NDF: 56.7/50



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 621.481+/-0.169 χ^2/NDF:336947.1/8

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 572.142+/-0.168 χ^2/NDF:350187.7/6

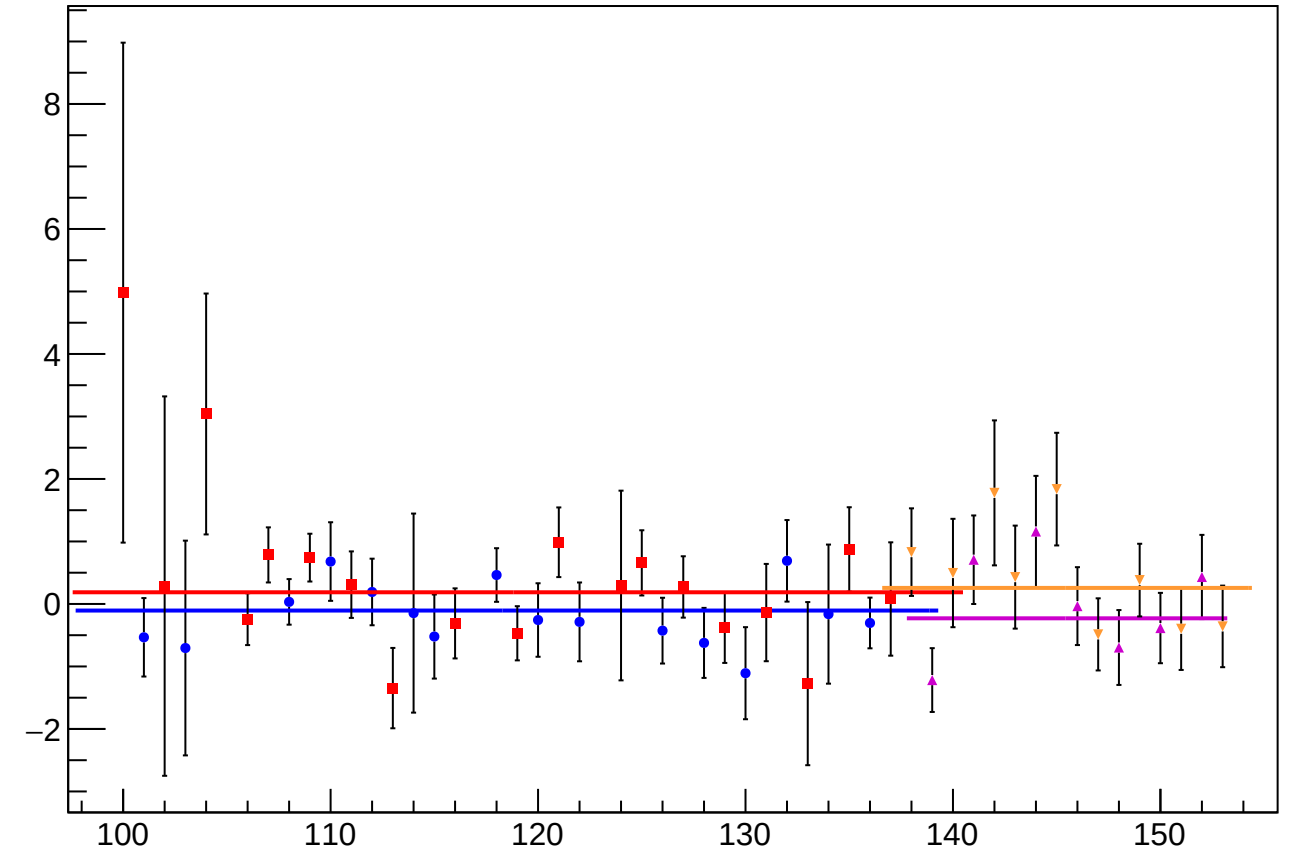
Left: 596.539+/-0.119 χ^2/NDF: 730030.4/15

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 419.113+/-0.087 χ^2/NDF:2873227.5/22

Out: 402.234+/-0.084 χ^2/NDF:4810379.1/27

All: 410.376+/-0.061 χ^2/NDF: 7702952.5/50



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.257+/-0.240 χ^2/NDF:9.2/8

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.230+/-0.237 χ^2/NDF:9.7/6

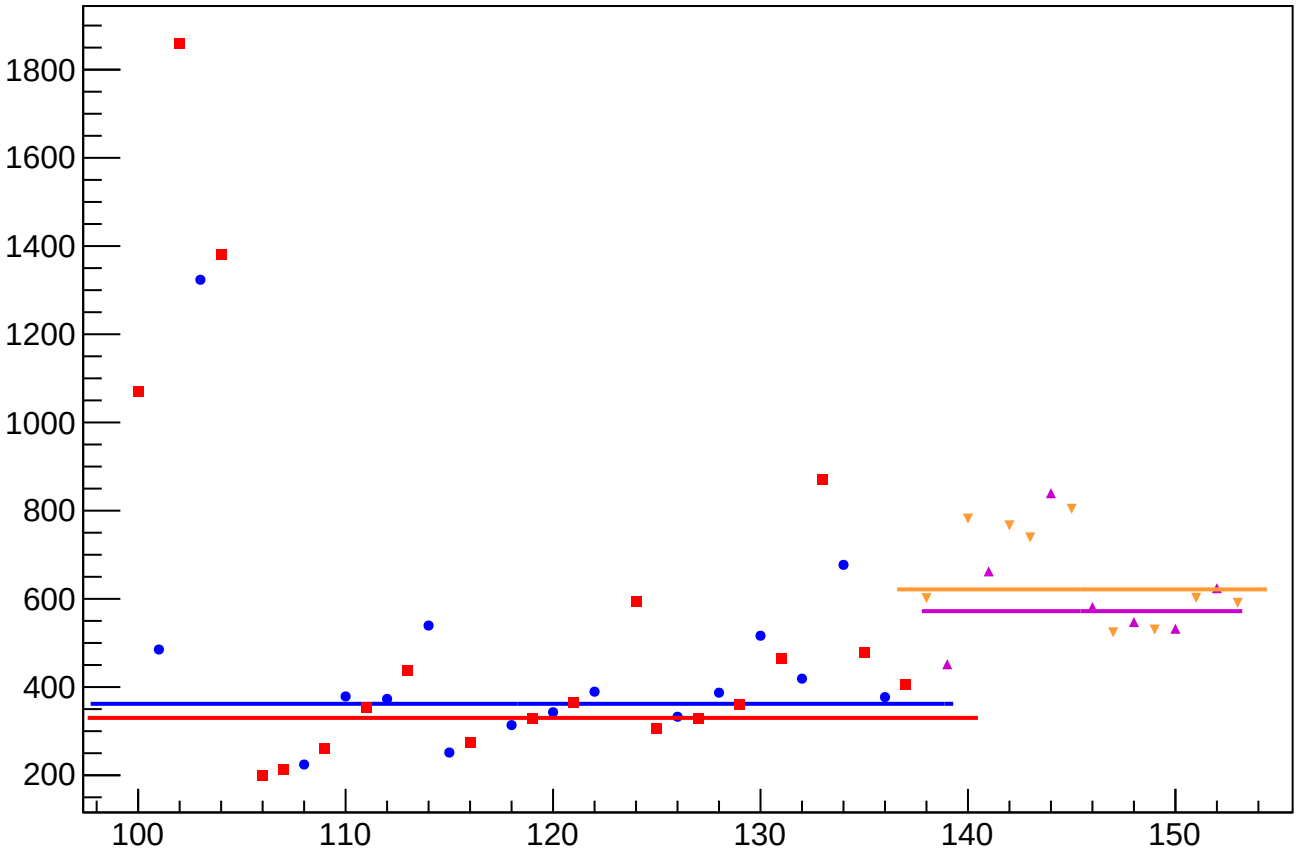
Left: 0.011+/-0.168 χ^2/NDF: 20.9/15

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.139+/-0.123 χ^2/NDF:19.6/22

Out: 0.204+/-0.119 χ^2/NDF:33.1/27

All: 0.039+/-0.086 χ^2/NDF: 56.7/50



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 621.481+/-0.169 χ^2/NDF:336947.1/8

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 572.142+/-0.168 χ^2/NDF:350187.7/6

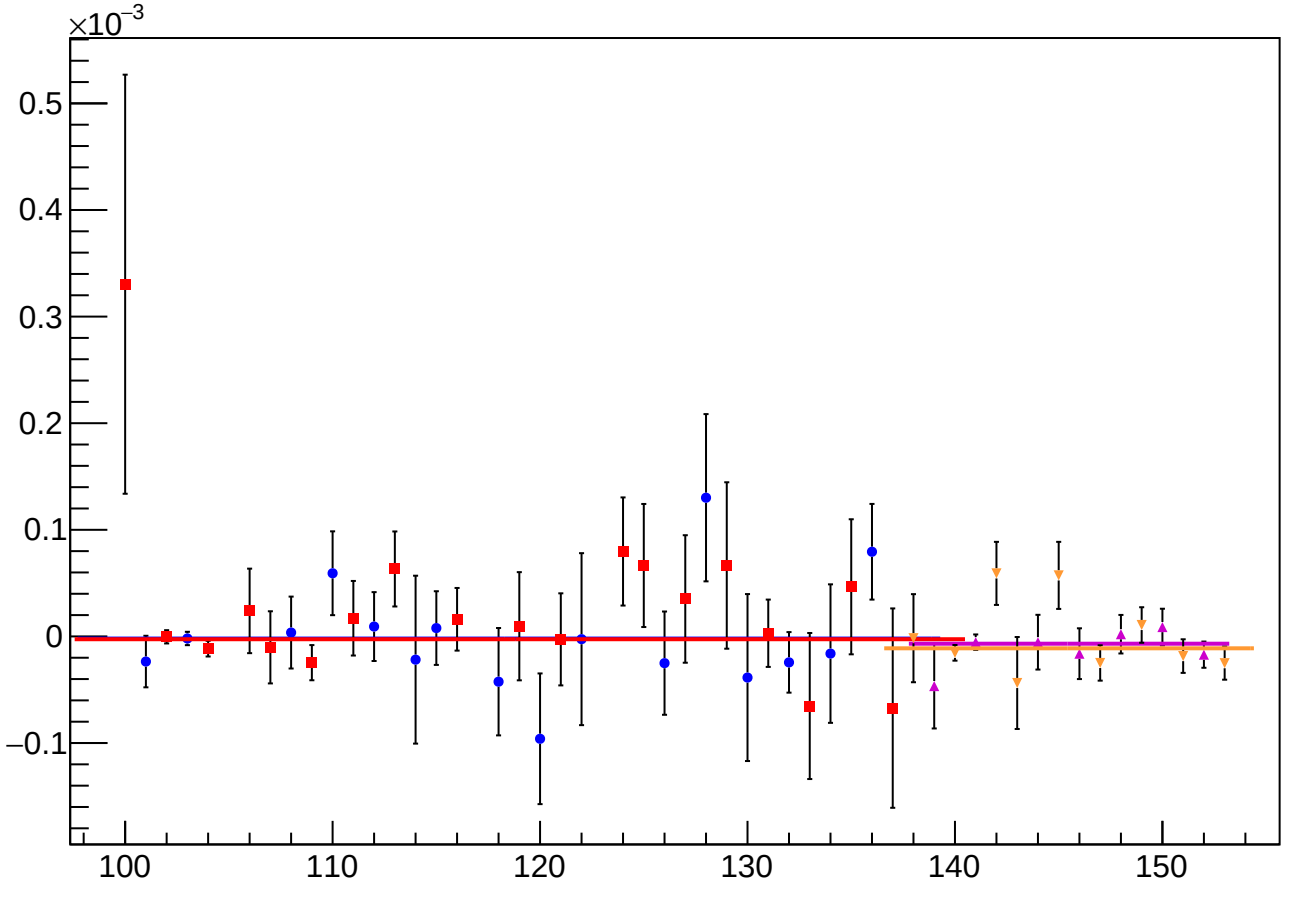
Left: 596.539+/-0.119 χ^2/NDF: 730030.4/15

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 419.113+/-0.087 χ^2/NDF:2873227.5/22

Out: 402.234+/-0.084 χ^2/NDF:4810379.1/27

All: 410.376+/-0.061 χ^2/NDF: 7702952.5/50



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

Left Out: -0.000+/-0.000 χ^2/NDF:14.8/8

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:3.0/6

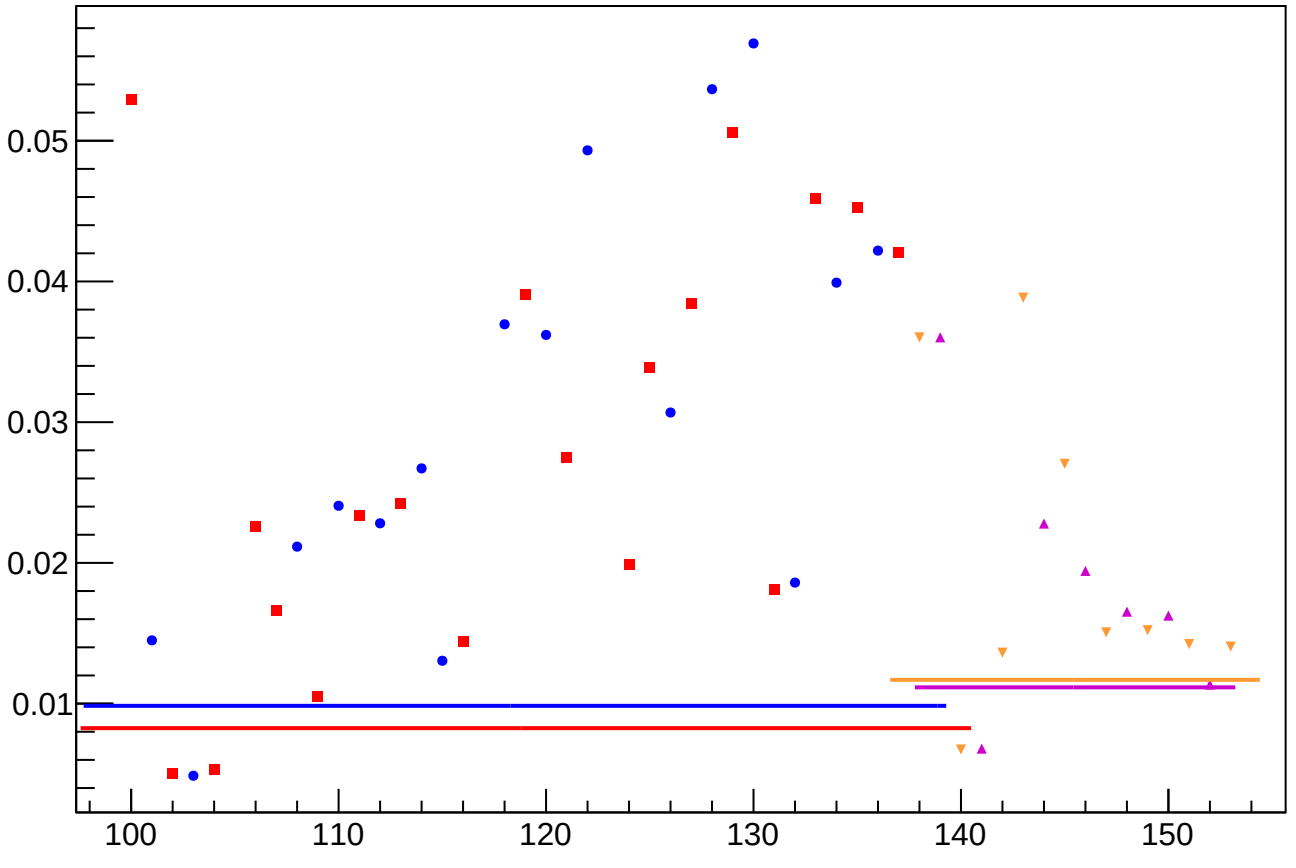
Left: -0.000+/-0.000 χ^2/NDF: 18.1/15

Right: -0.000+/-0.000 χ^2/NDF: 32.0/34

In: -0.000+/-0.000 χ^2/NDF:17.1/22

Out: -0.000+/-0.000 χ^2/NDF:34.6/27

All: -0.000+/-0.000 χ^2/NDF: 51.8/50



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.012+/-0.000 χ^2/NDF:3150582.5/8

Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

Left In: 0.011+/-0.000 χ^2/NDF:2511441.8/6

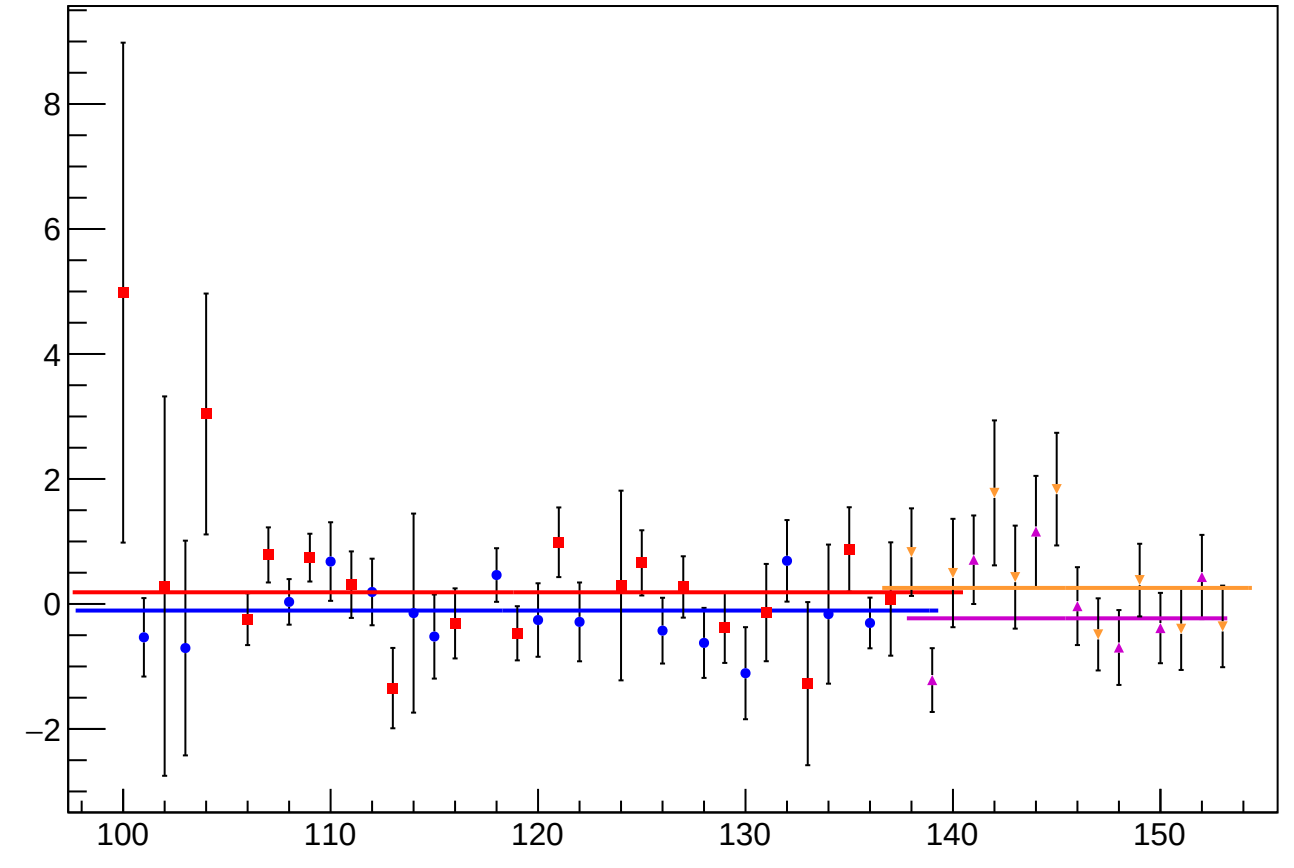
Left: 0.011+/-0.000 χ^2/NDF: 5672501.3/15

Right: 0.009+/-0.000 χ^2/NDF: 13900238.9/34

In: 0.011+/-0.000 χ^2/NDF:9624381.8/22

Out: 0.010+/-0.000 χ^2/NDF:10419366.0/27

All: 0.010+/-0.000 χ^2/NDF: 20107006.5/50



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.257+/-0.240 χ^2/NDF:9.2/8

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.230+/-0.237 χ^2/NDF:9.7/6

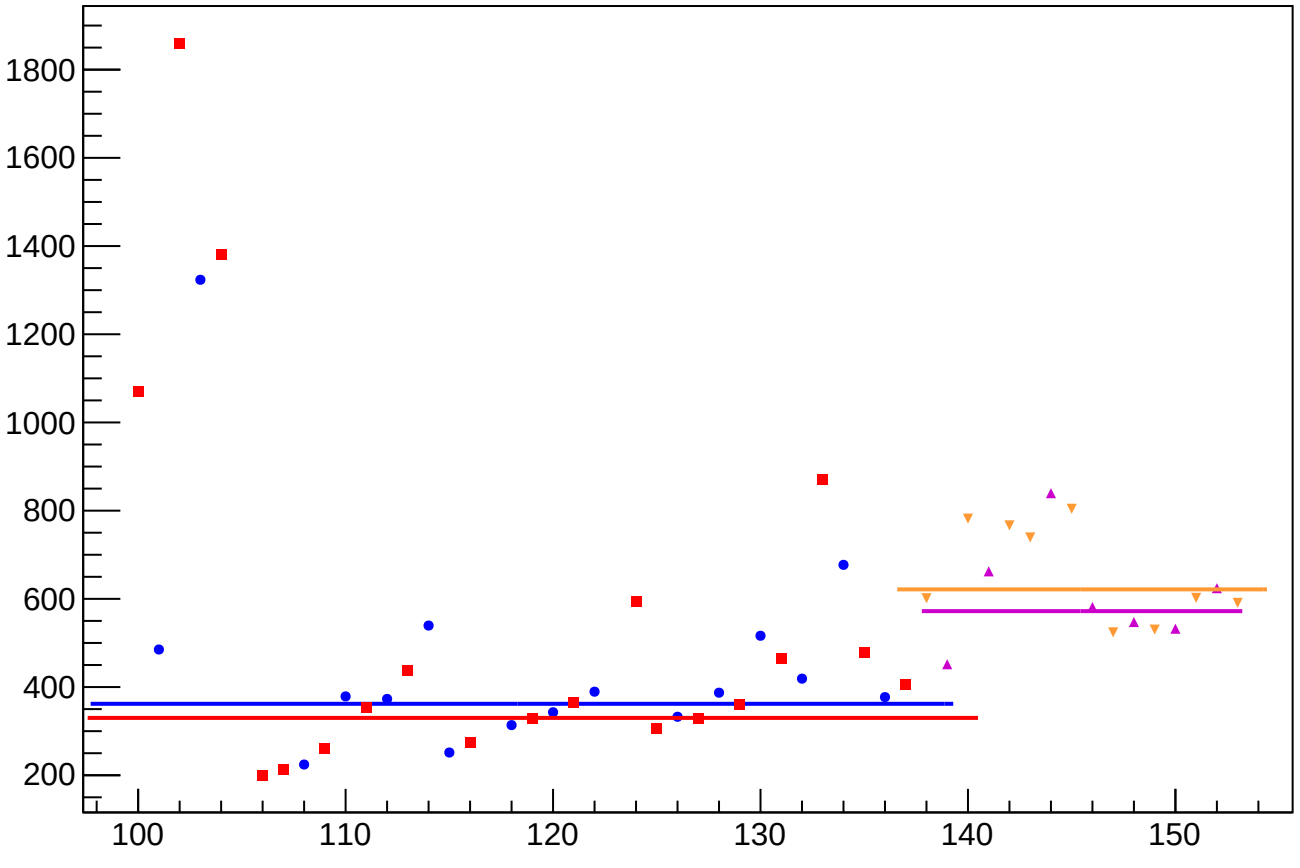
Left: 0.011+/-0.168 χ^2/NDF: 20.9/15

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.139+/-0.123 χ^2/NDF:19.6/22

Out: 0.204+/-0.119 χ^2/NDF:33.1/27

All: 0.039+/-0.086 χ^2/NDF: 56.7/50



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 621.489+/-0.169 χ^2/NDF:336934.9/8

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 572.150+/-0.168 χ^2/NDF:350166.6/6

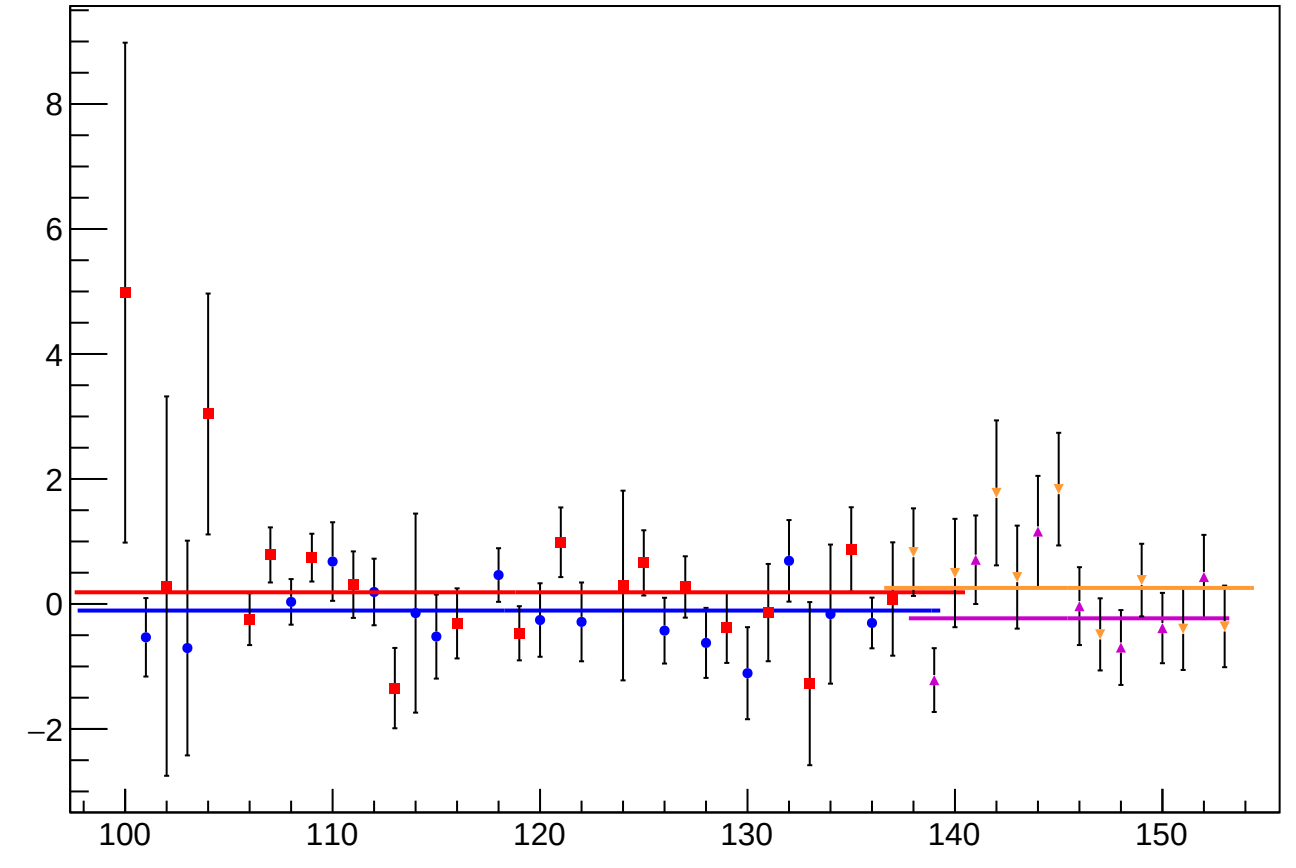
Left: 596.547+/-0.119 χ^2/NDF: 729996.1/15

Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 419.112+/-0.087 χ^2/NDF:2873307.6/22

Out: 402.233+/-0.084 χ^2/NDF:4810463.3/27

All: 410.375+/-0.061 χ^2/NDF: 7703115.4/50



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.257+/-0.240 χ^2/NDF:9.2/8

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.230+/-0.237 χ^2/NDF:9.7/6

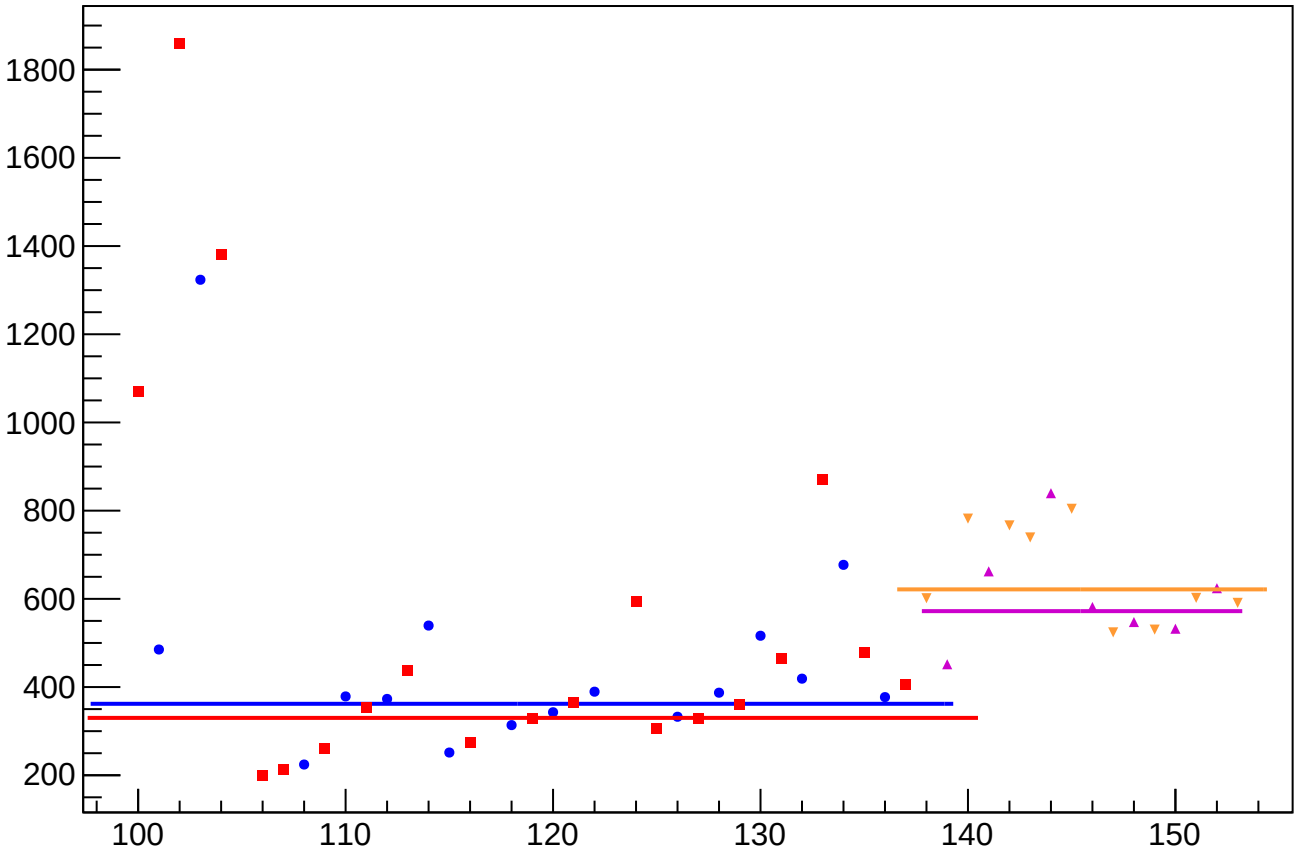
Left: 0.011+/-0.168 χ^2/NDF: 20.9/15

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.139+/-0.123 χ^2/NDF:19.6/22

Out: 0.204+/-0.119 χ^2/NDF:33.1/27

All: 0.039+/-0.086 χ^2/NDF: 56.7/50



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 621.489+/-0.169 χ^2/NDF:336934.9/8

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 572.150+/-0.168 χ^2/NDF:350166.6/6

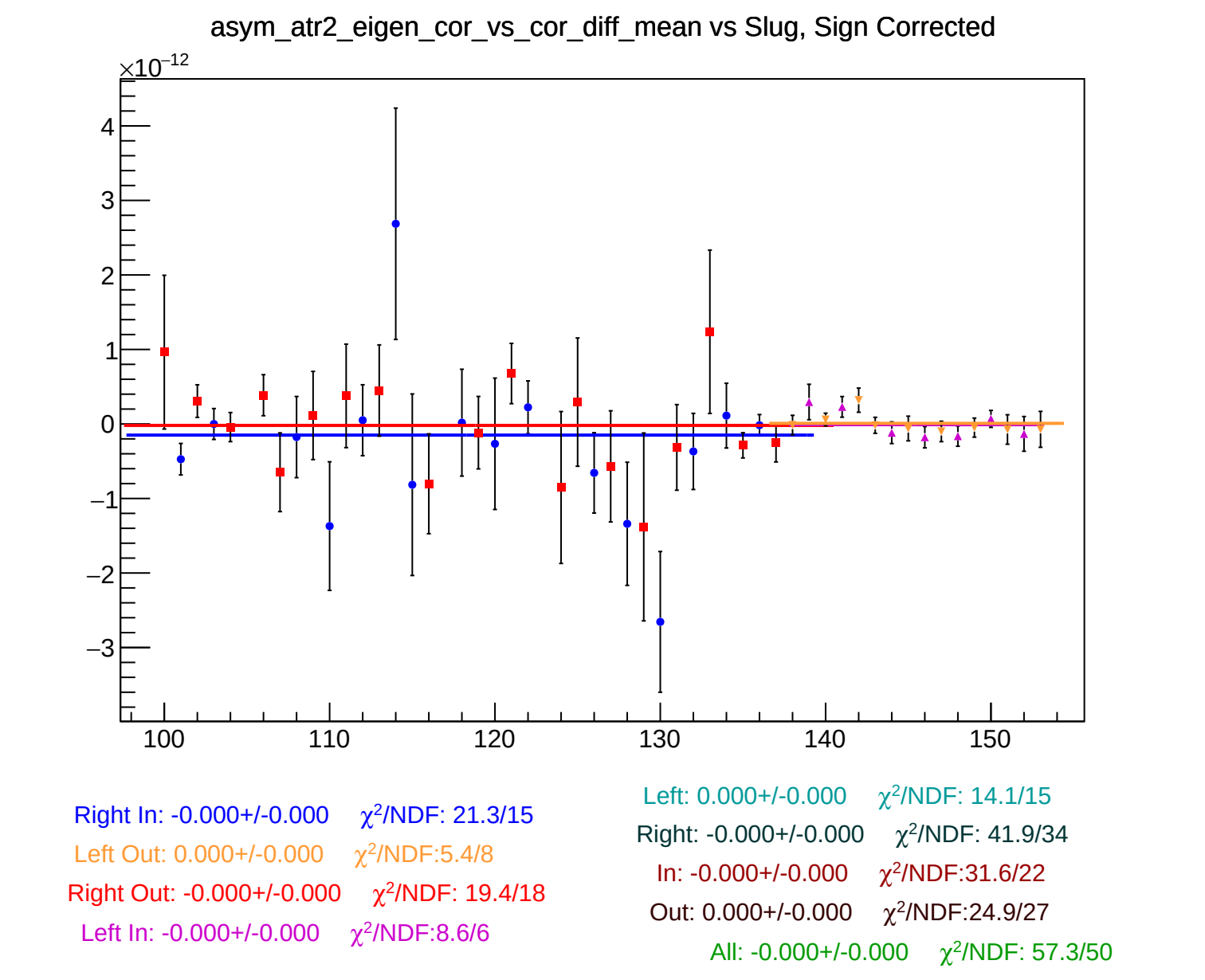
Left: 596.547+/-0.119 χ^2/NDF: 729996.1/15

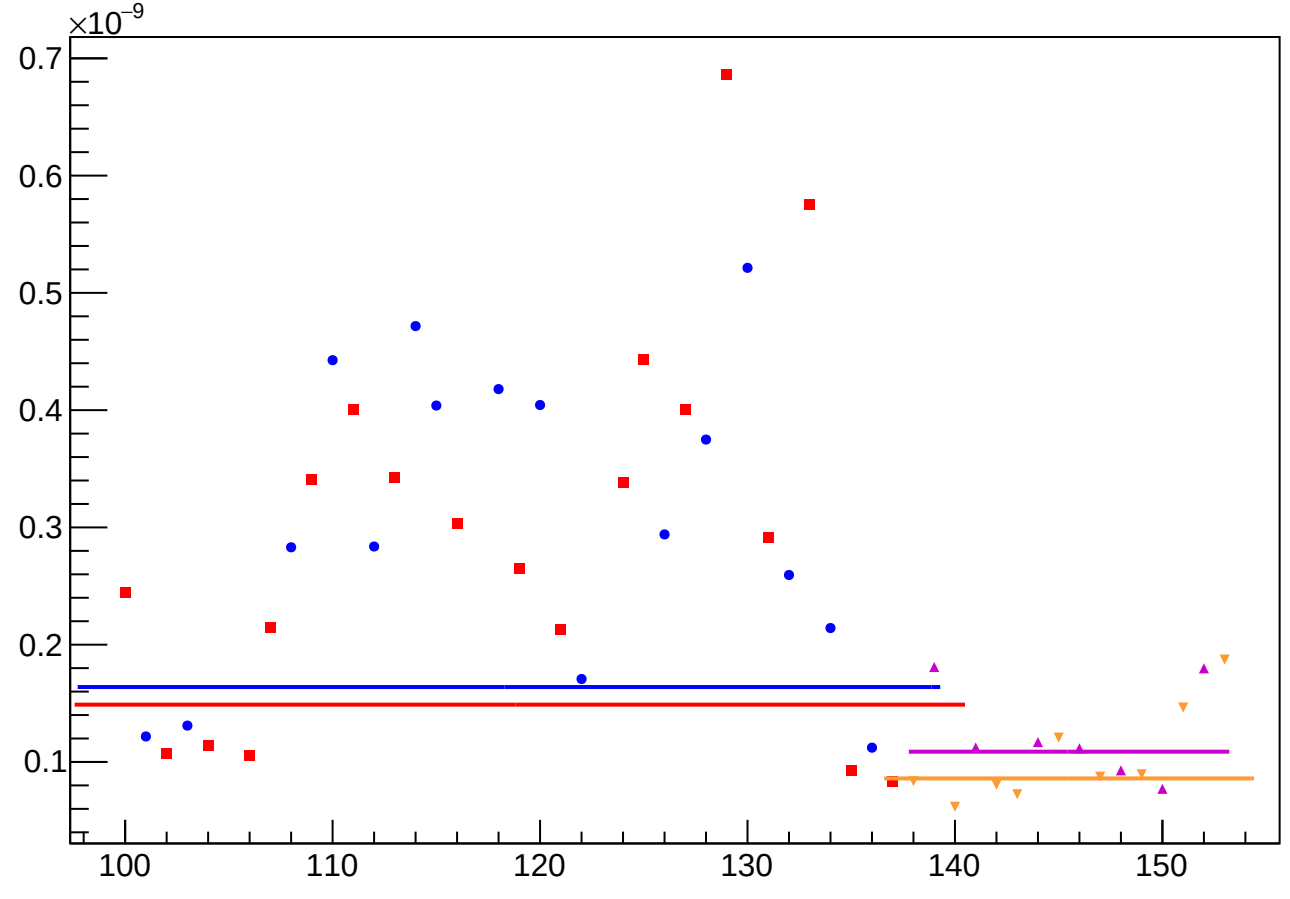
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 419.112+/-0.087 χ^2/NDF:2873307.6/22

Out: 402.233+/-0.084 χ^2/NDF:4810463.3/27

All: 410.375+/-0.061 χ^2/NDF: 7703115.4/50


asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 21.3/15
Left Out: 0.000+/-0.000 χ²/NDF:5.4/8
Right Out: -0.000+/-0.000 χ²/NDF: 19.4/18
Left In: -0.000+/-0.000 χ²/NDF:8.6/6
Left: 0.000+/-0.000 χ²/NDF: 14.1/15
Right: -0.000+/-0.000 χ²/NDF: 41.9/34
In: -0.000+/-0.000 χ²/NDF:31.6/22
Out: 0.000+/-0.000 χ²/NDF:24.9/27
All: -0.000+/-0.000 χ²/NDF: 57.3/50



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:826655.5/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

Left In: 0.000+/-0.000 χ^2/NDF:561767.1/6

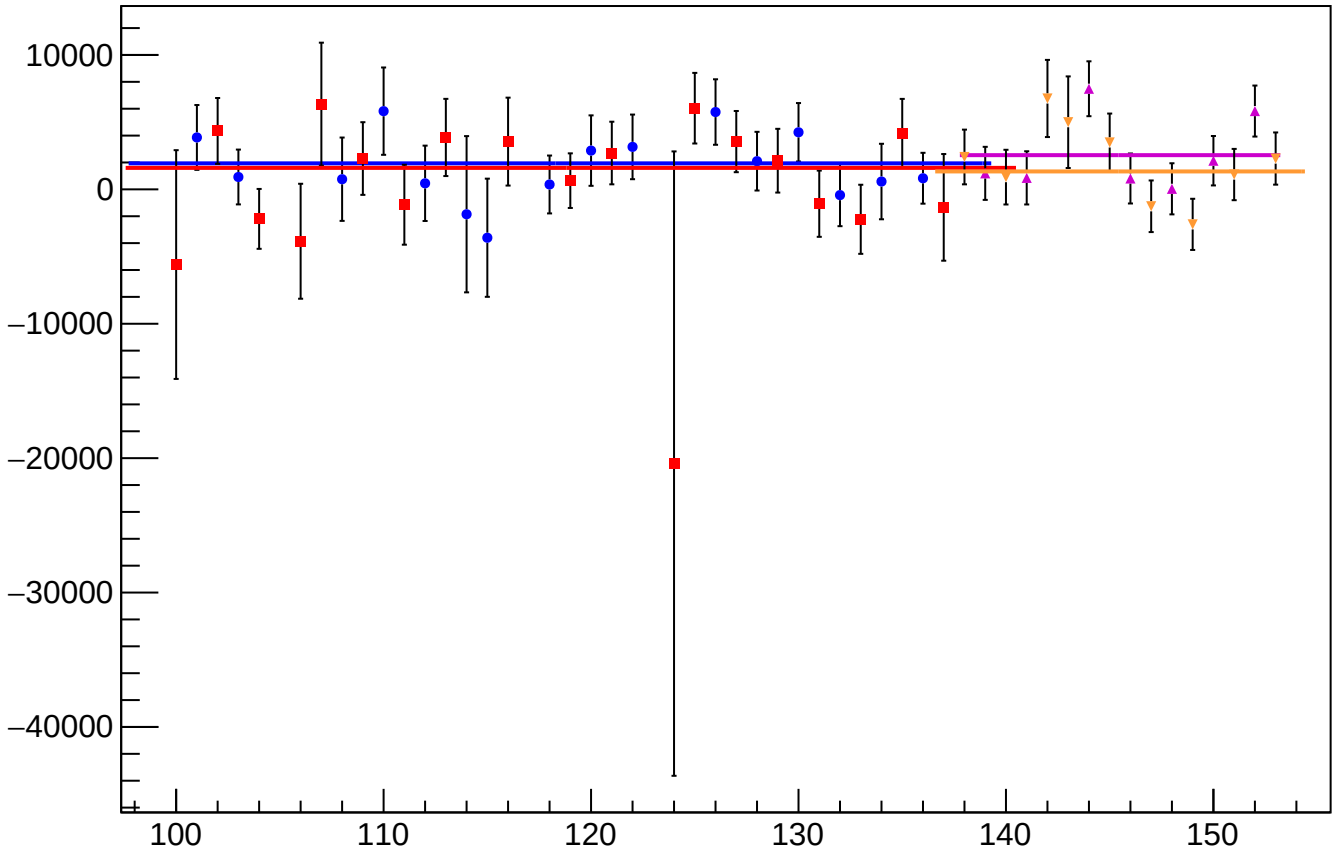
Left: 0.000+/-0.000 χ^2/NDF: 1591408.7/15

Right: 0.000+/-0.000 χ^2/NDF: 4888401.8/34

In: 0.000+/-0.000 χ^2/NDF:3136608.1/22

Out: 0.000+/-0.000 χ^2/NDF:4559948.0/27

All: 0.000+/-0.000 χ^2/NDF: 8037129.5/50



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1333.546+/-708.159 χ^2/NDF:12.4/8

Right Out: 1597.959+/-642.207 χ^2/NDF: 19.4/18

Left In: 2544.861+/-727.224 χ^2/NDF:12.7/6

Left: 1923.117+/-507.350 χ^2/NDF: 26.5/15

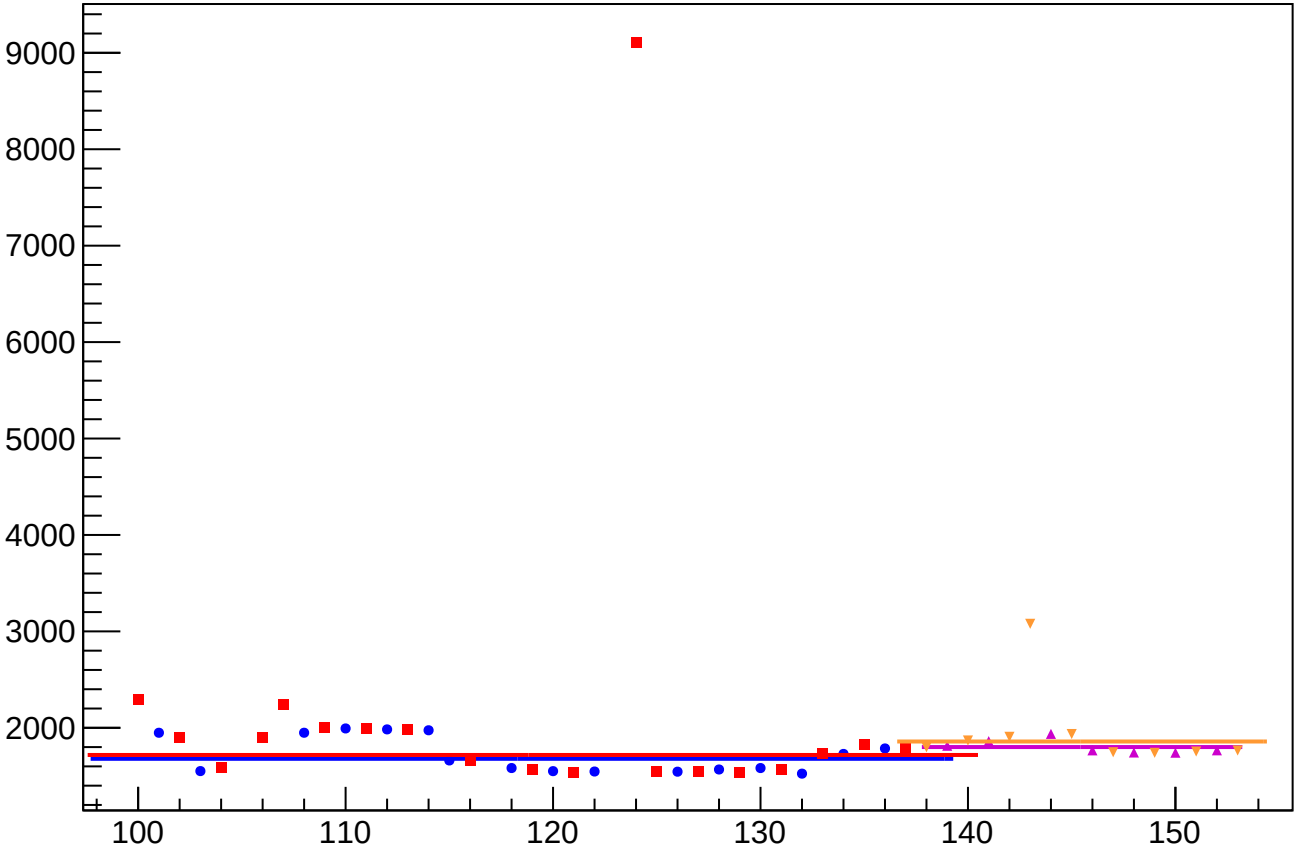
Right: 1770.157+/-448.956 χ^2/NDF: 30.4/34

In: 2195.317+/-475.249 χ^2/NDF:24.0/22

Out: 1478.636+/-475.720 χ^2/NDF:31.9/27

All: 1837.332+/-336.218 χ^2/NDF: 57.0/50

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1858.009+/-0.501 χ^2/NDF:286421.6/8

Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1800.407+/-0.514 χ^2/NDF:16085.9/6

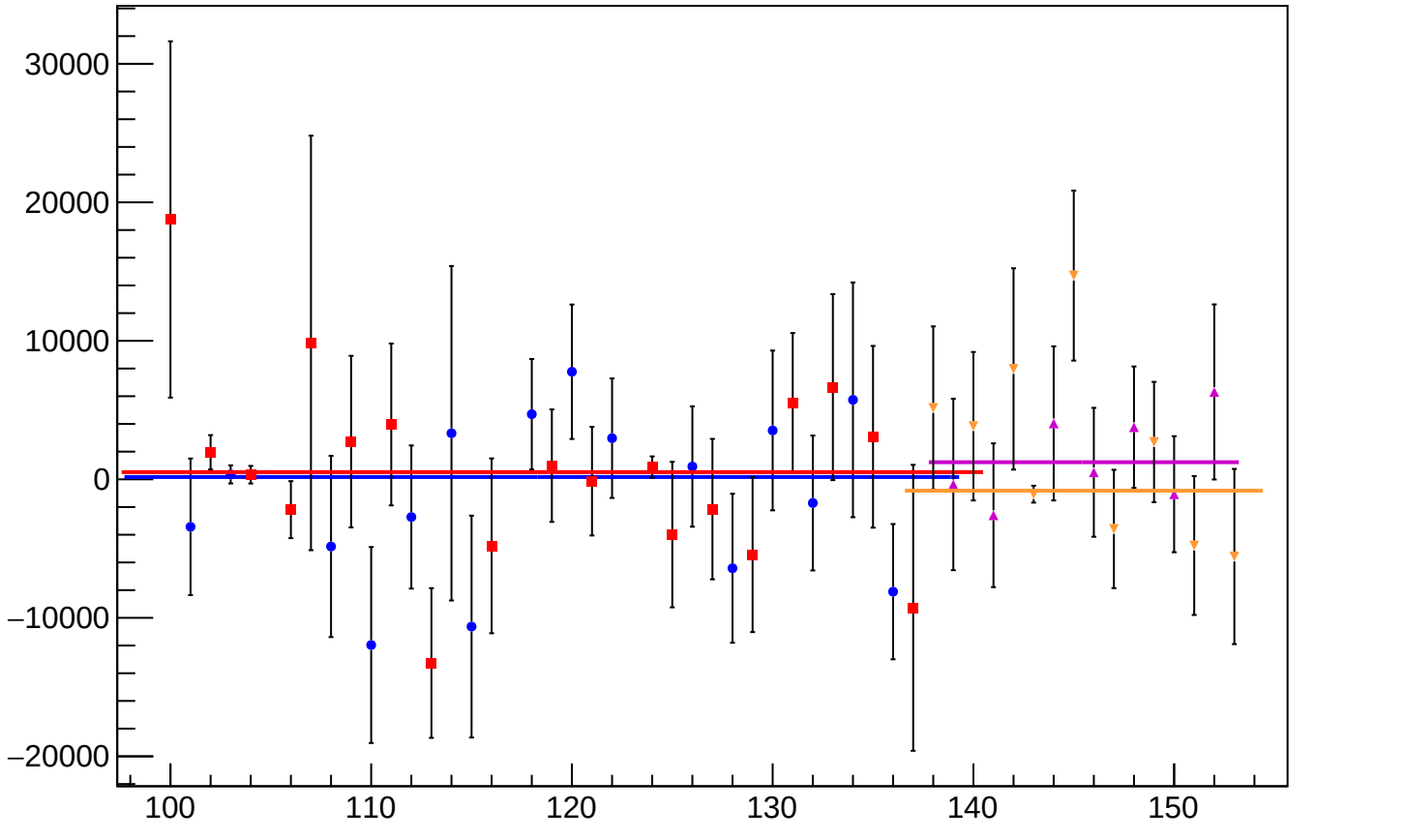
Left: 1829.973+/-0.359 χ^2/NDF: 308948.1/15

Right: 1698.073+/-0.317 χ^2/NDF: 528602.3/34

In: 1730.588+/-0.336 χ^2/NDF:189745.4/22

Out: 1781.027+/-0.336 χ^2/NDF:712490.1/27

All: 1755.848+/-0.237 χ^2/NDF: 913517.3/50



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -819.506+/-580.686 χ^2/NDF:12.1/8

Right Out: 521.080+/-424.783 χ^2/NDF: 18.5/18

Left In: 1235.877+/-1904.355 χ^2/NDF:2.2/6

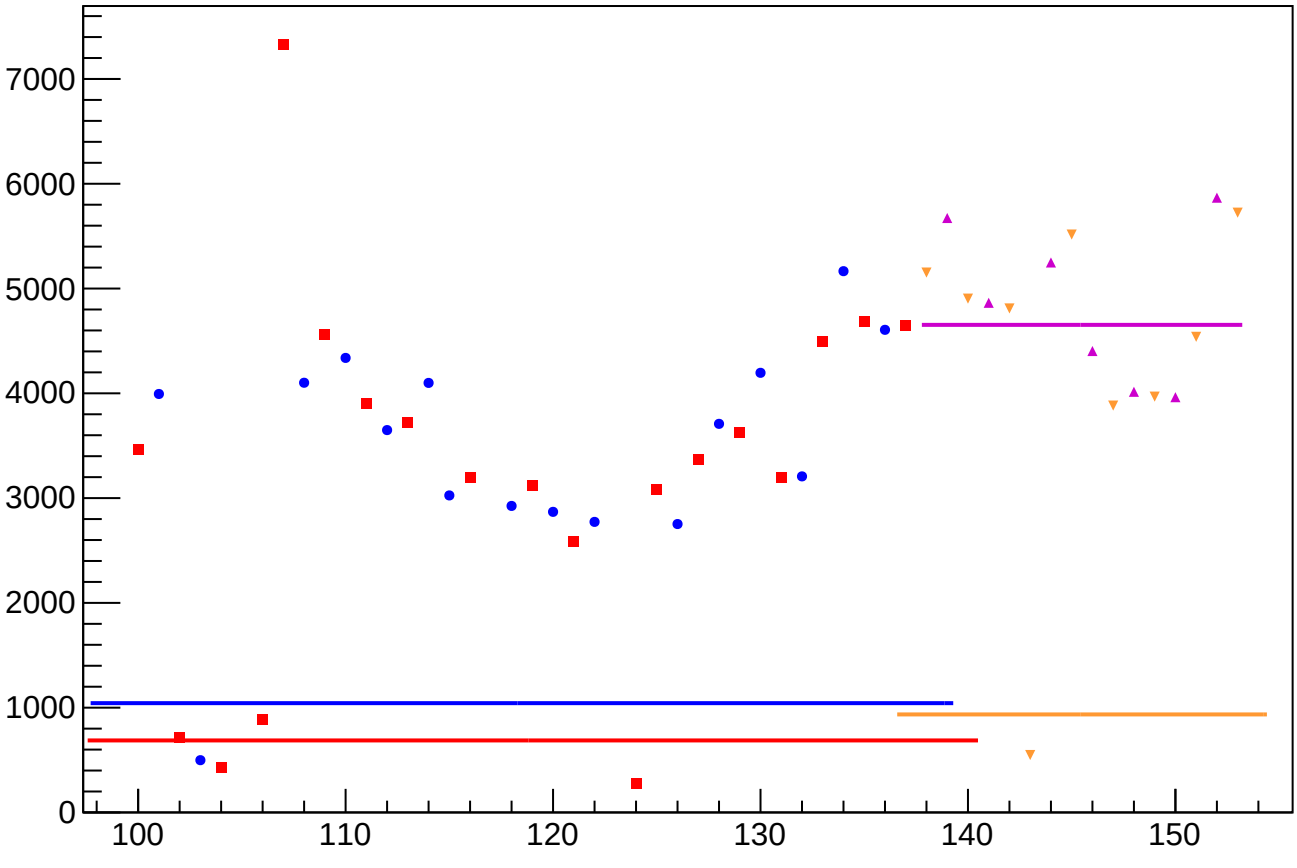
Left: -644.656+/-555.438 χ^2/NDF: 15.3/15

Right: 401.068+/-345.050 χ^2/NDF: 34.6/34

In: 262.247+/-564.972 χ^2/NDF:18.3/22

Out: 53.772+/-342.843 χ^2/NDF:34.1/27

All: 109.880+/-293.099 χ^2/NDF: 52.5/50



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 935.562+/-0.411 χ^2/NDF:8714866.8/8

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

Left In: 4653.279+/-1.347 χ^2/NDF:256777.2/6

Left: 1251.827+/-0.393 χ^2/NDF: 15945529.5/15

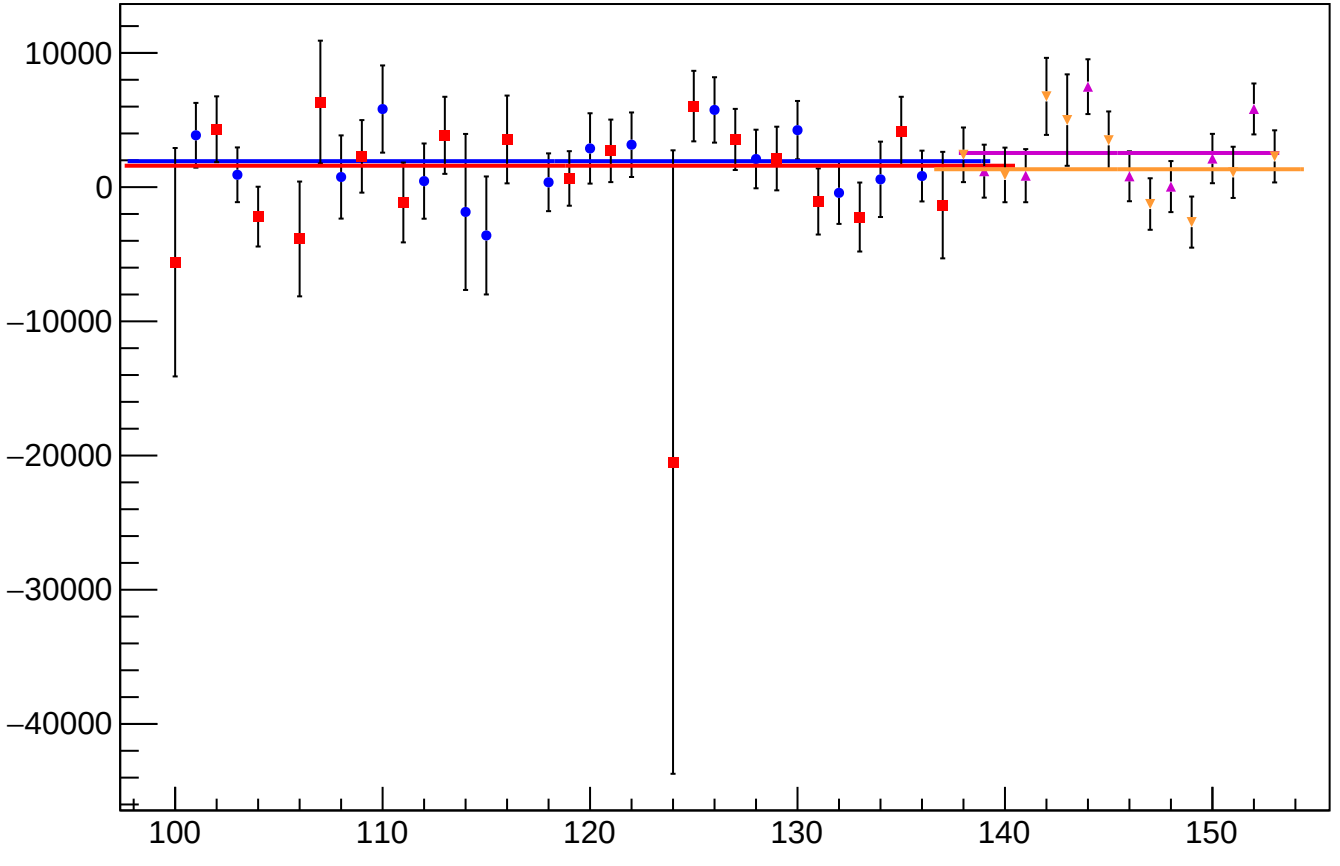
Right: 808.358+/-0.244 χ^2/NDF: 17220710.7/34

In: 1360.866+/-0.399 χ^2/NDF:14923710.8/22

Out: 773.859+/-0.242 χ^2/NDF:17584476.5/27

All: 931.845+/-0.207 χ^2/NDF: 34086155.8/50

cor_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1333.459+/-708.159 χ^2/NDF:12.4/8

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 2545.065+/-727.224 χ^2/NDF:12.7/6

Left: 1923.172+/-507.350 χ^2/NDF: 26.6/15

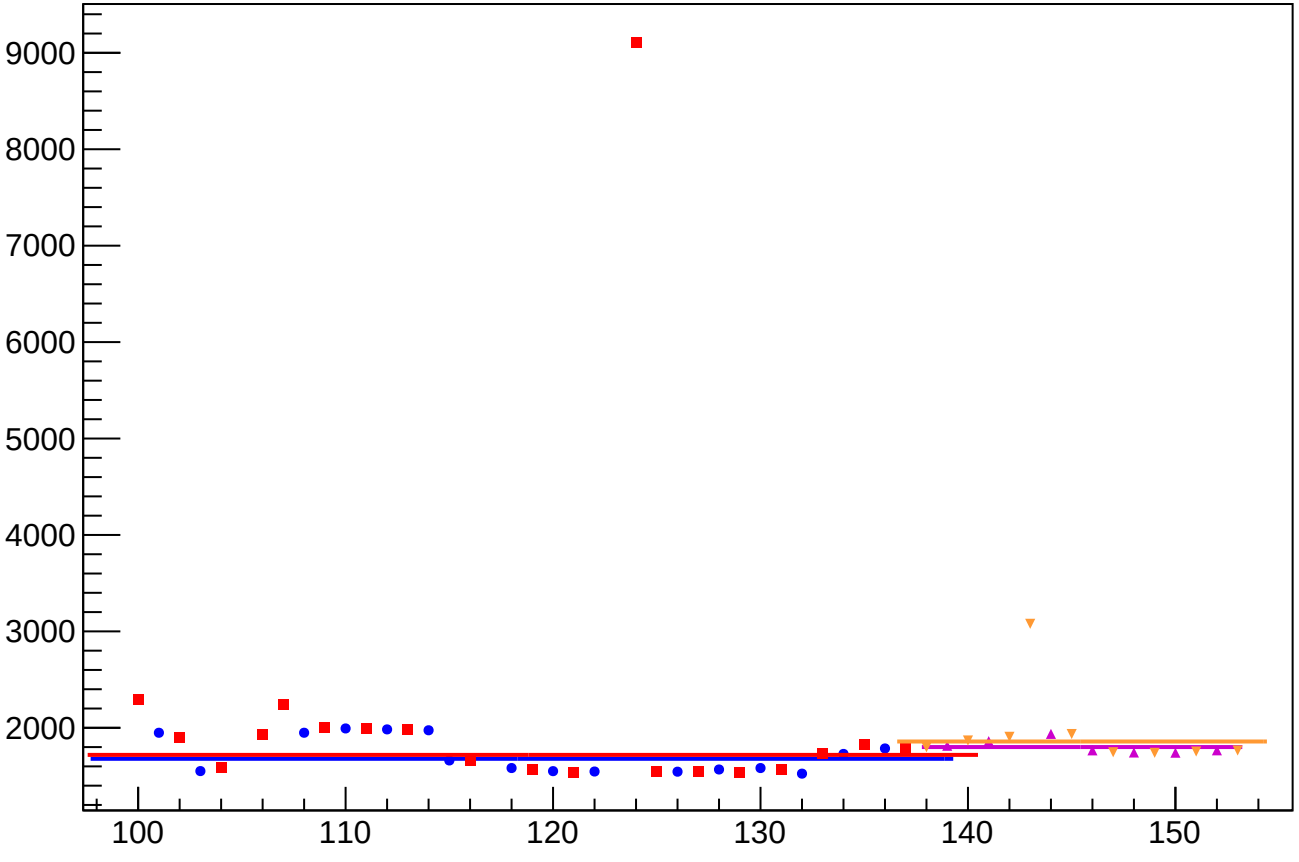
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2195.471+/-475.249 χ^2/NDF:24.0/22

Out: 1477.258+/-475.722 χ^2/NDF:31.9/27

All: 1836.722+/-336.219 χ^2/NDF: 57.0/50

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1858.009+/-0.501 χ^2/NDF:286421.6/8

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1800.407+/-0.514 χ^2/NDF:16085.9/6

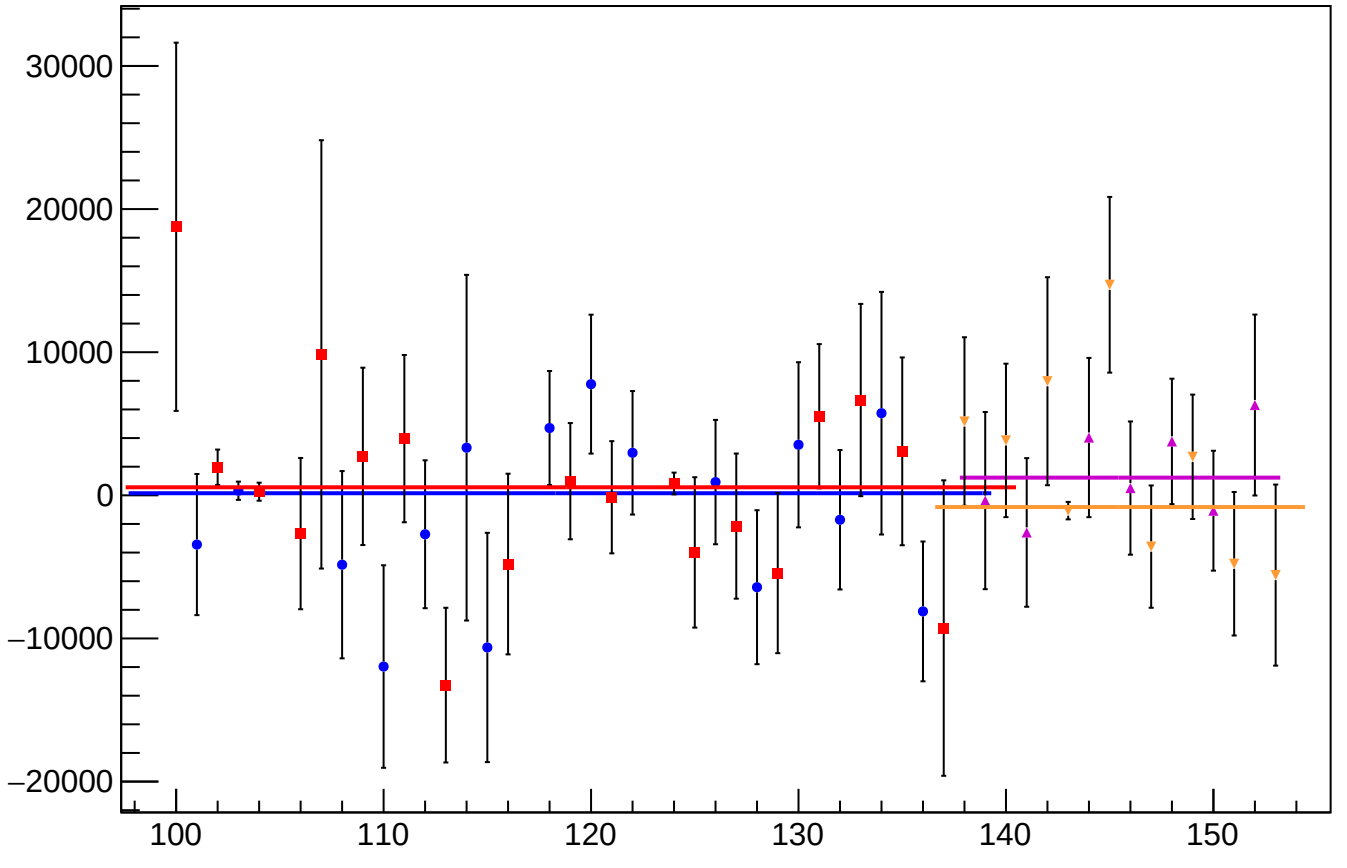
Left: 1829.973+/-0.359 χ^2/NDF: 308948.1/15

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1730.588+/-0.336 χ^2/NDF:189745.5/22

Out: 1781.520+/-0.336 χ^2/NDF:713703.7/27

All: 1756.088+/-0.237 χ^2/NDF: 914949.8/50



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -819.159+/-580.664 χ^2/NDF:12.1/8

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 1235.981+/-1904.352 χ^2/NDF:2.2/6

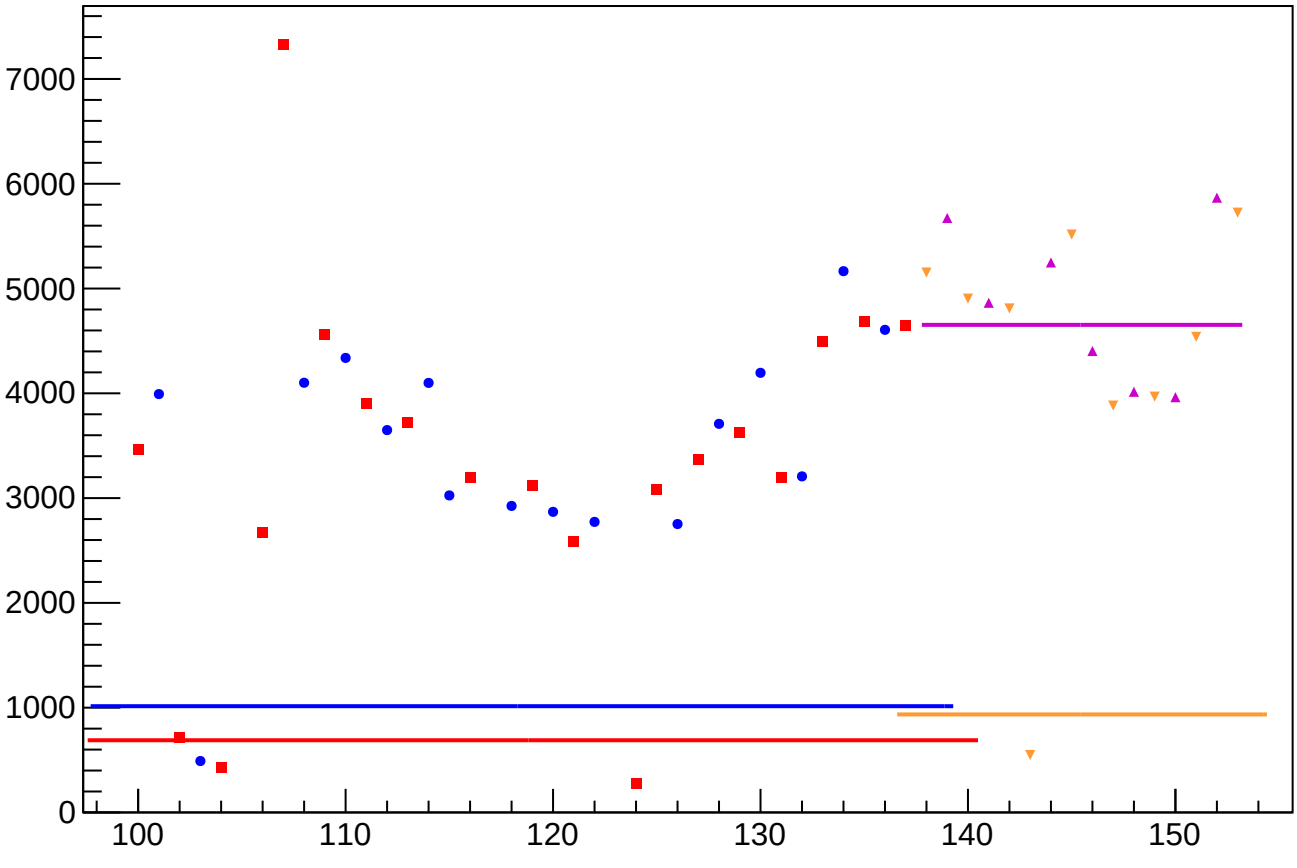
Left: -644.341+/-555.418 χ^2/NDF: 15.3/15

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 238.838+/-554.274 χ^2/NDF:18.3/22

Out: 71.575+/-345.886 χ^2/NDF:32.9/27

All: 118.454+/-293.438 χ^2/NDF: 51.3/50



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 935.513+/-0.411 χ^2/NDF:8715028.0/8

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 4653.271+/-1.347 χ^2/NDF:256781.7/6

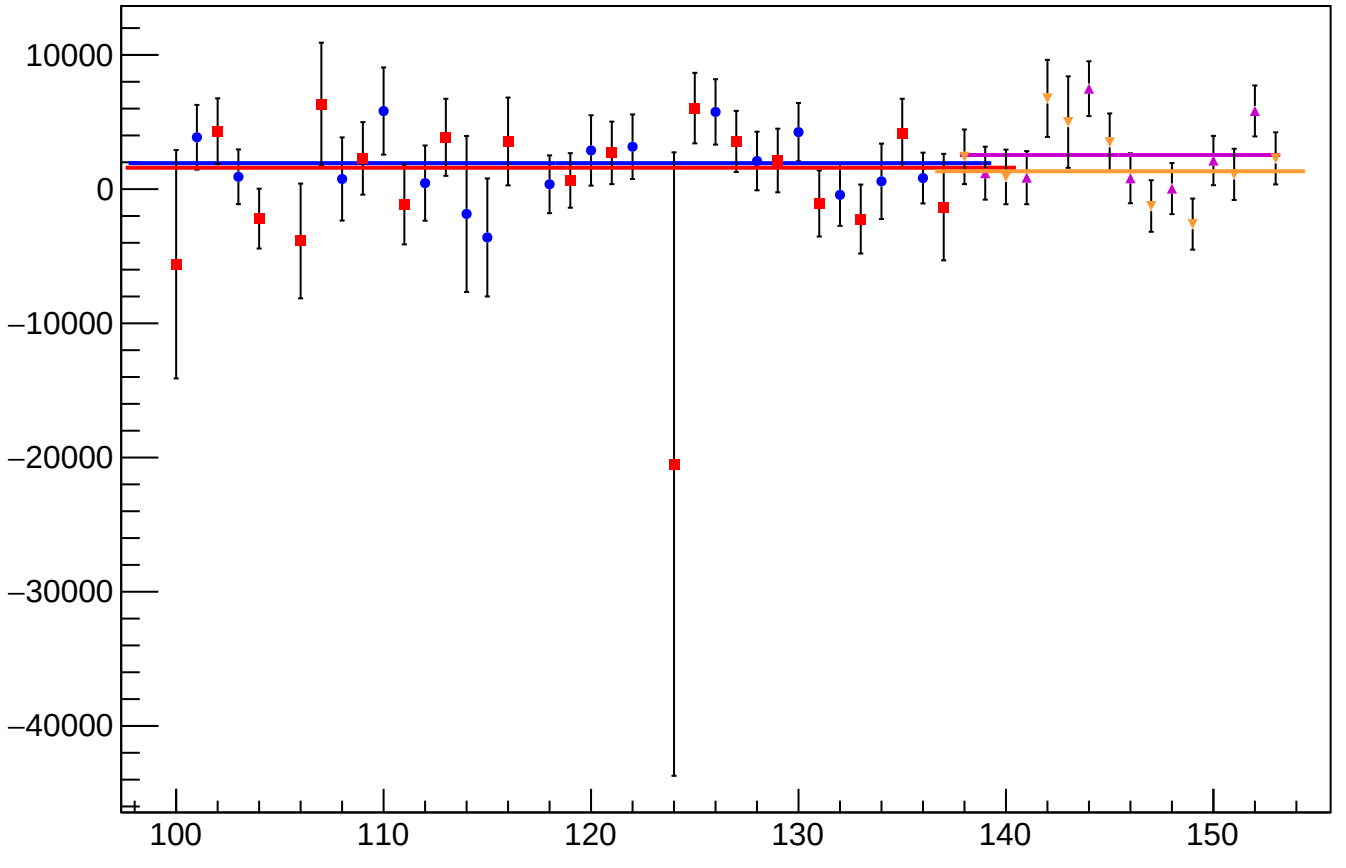
Left: 1251.761+/-0.393 χ^2/NDF: 15945911.5/15

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1322.383+/-0.392 χ^2/NDF:15164756.2/22

Out: 776.505+/-0.245 χ^2/NDF:17857850.3/27

All: 929.501+/-0.207 χ^2/NDF: 34418778.1/50



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 1333.459+/-708.159 χ^2/NDF:12.4/8

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 2545.065+/-727.224 χ^2/NDF:12.7/6

Left: 1923.172+/-507.350 χ^2/NDF: 26.6/15

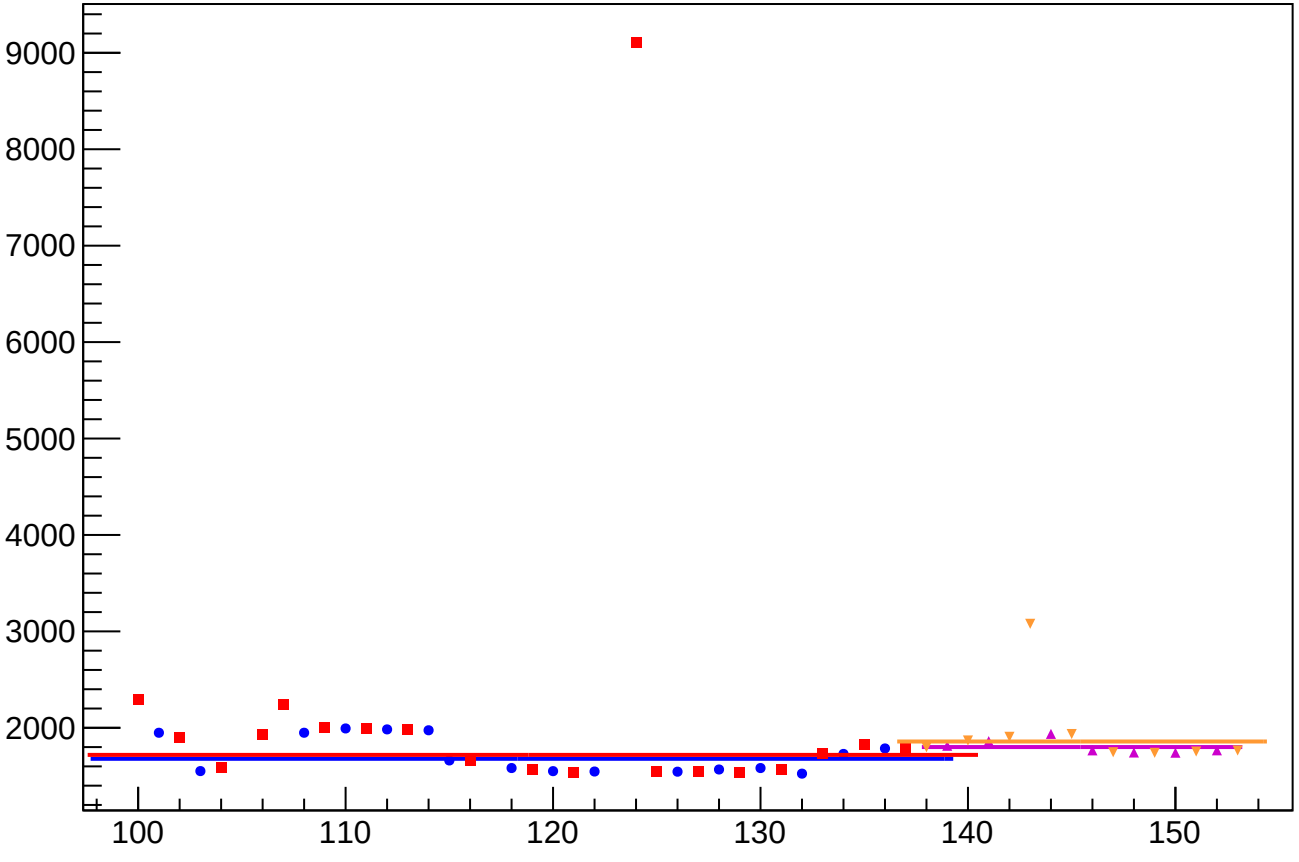
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2195.471+/-475.249 χ^2/NDF:24.0/22

Out: 1477.258+/-475.722 χ^2/NDF:31.9/27

All: 1836.722+/-336.219 χ^2/NDF: 57.0/50

eigen_cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1858.009+/-0.501 χ^2/NDF:286421.6/8

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1800.407+/-0.514 χ^2/NDF:16085.9/6

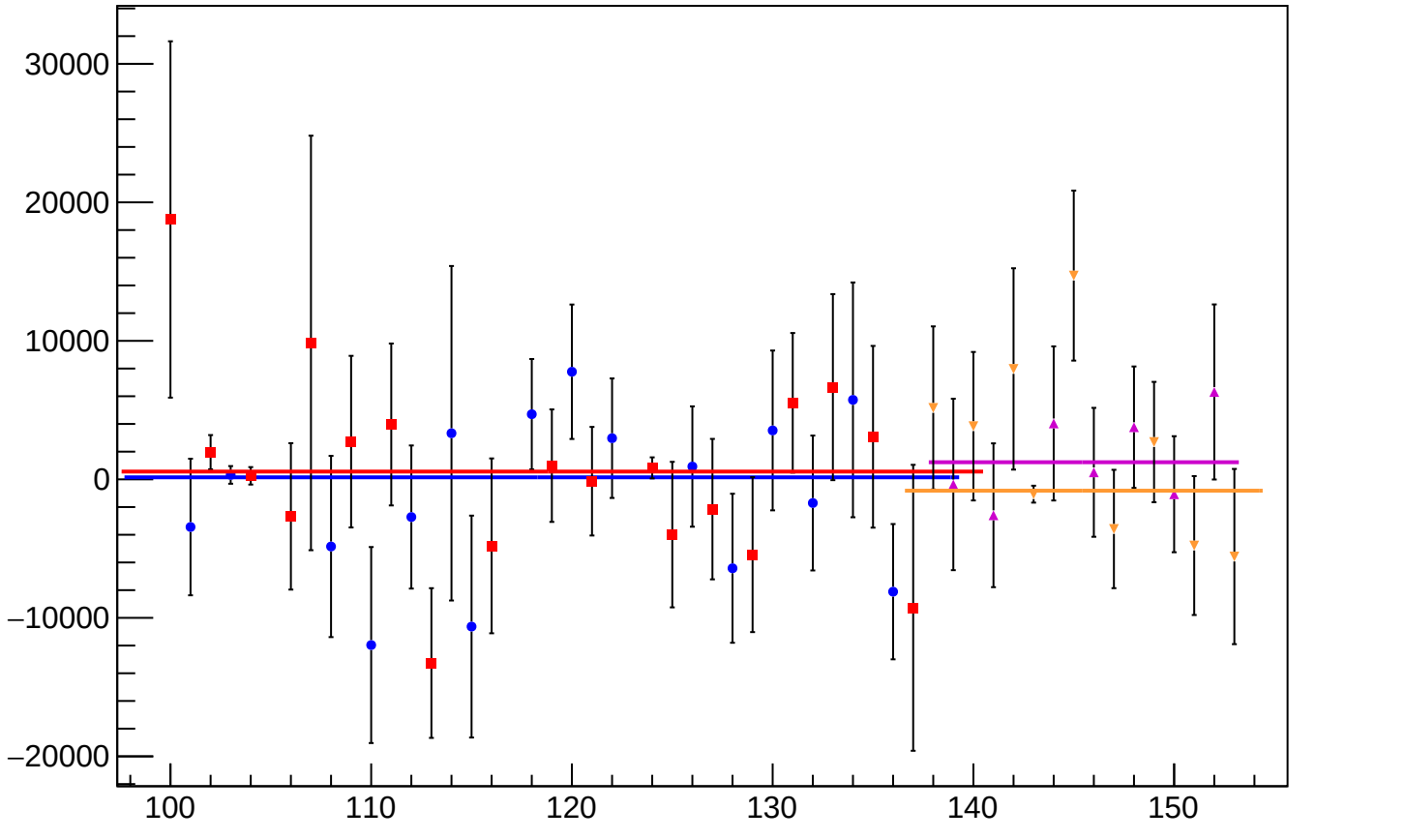
Left: 1829.973+/-0.359 χ^2/NDF: 308948.1/15

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1730.588+/-0.336 χ^2/NDF:189745.5/22

Out: 1781.520+/-0.336 χ^2/NDF:713703.7/27

All: 1756.088+/-0.237 χ^2/NDF: 914949.8/50



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -819.159+/-580.664 χ^2/NDF:12.1/8

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 1235.981+/-1904.352 χ^2/NDF:2.2/6

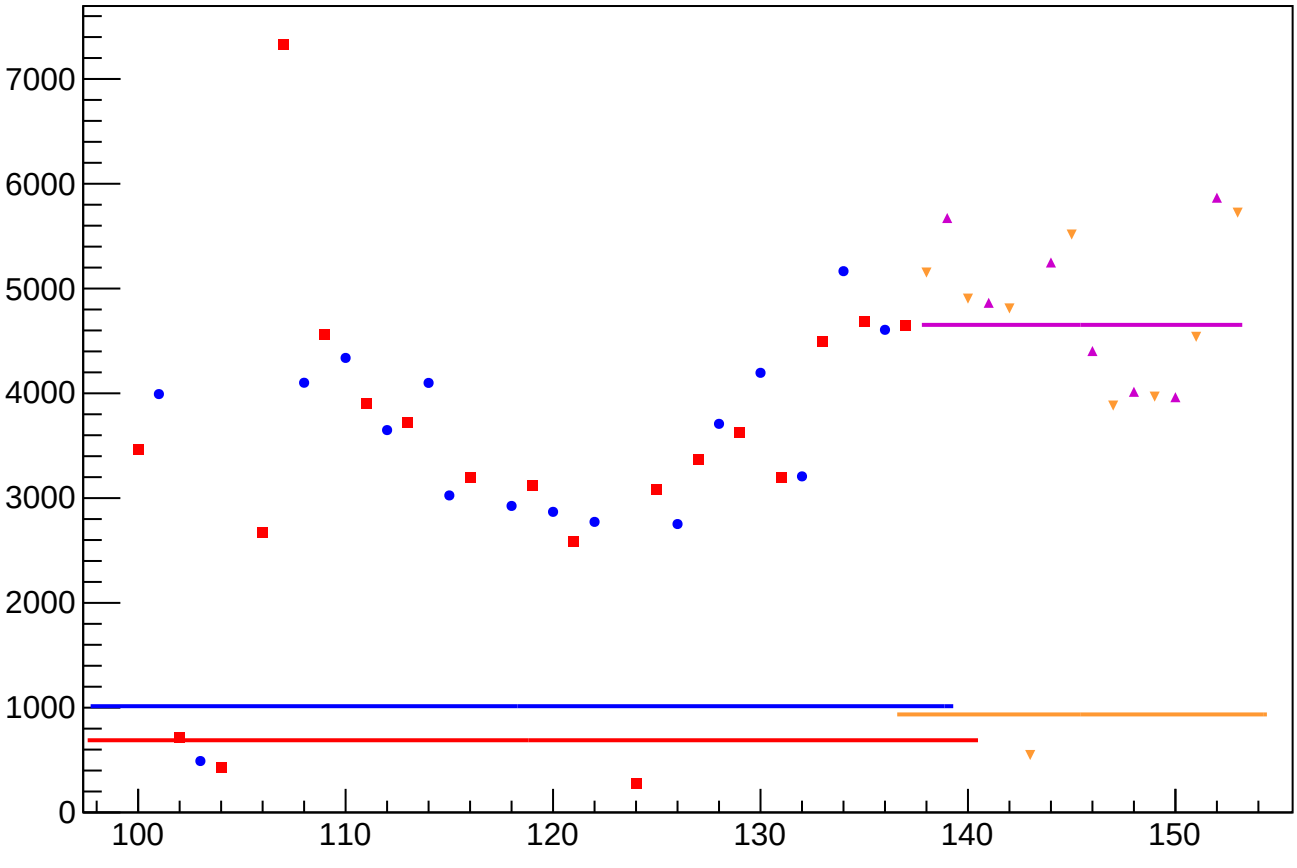
Left: -644.341+/-555.418 χ^2/NDF: 15.3/15

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 238.838+/-554.274 χ^2/NDF:18.3/22

Out: 71.575+/-345.886 χ^2/NDF:32.9/27

All: 118.454+/-293.438 χ^2/NDF: 51.3/50



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 935.513+/-0.411 χ^2/NDF:8715028.0/8

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 4653.271+/-1.347 χ^2/NDF:256781.7/6

Left: 1251.761+/-0.393 χ^2/NDF: 15945911.5/15

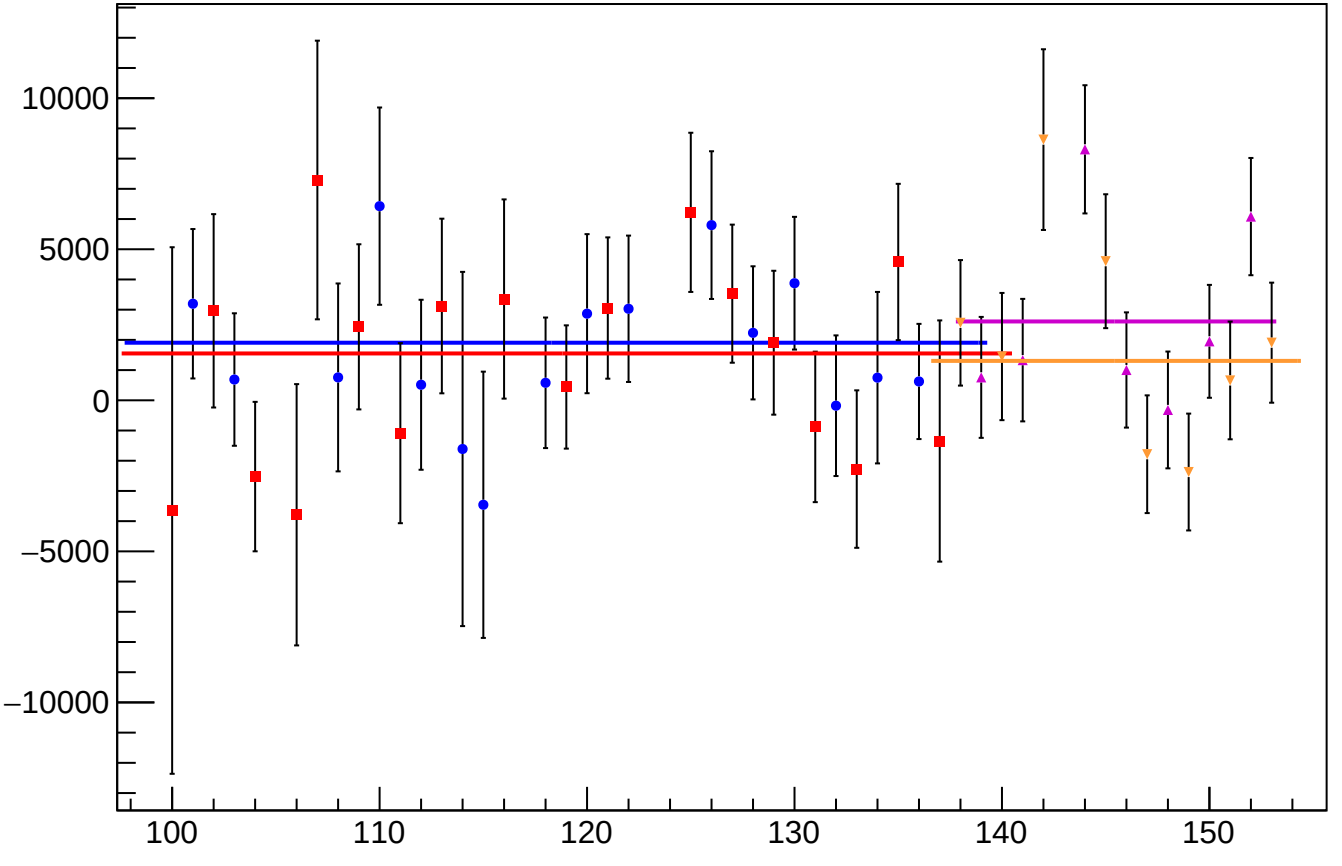
Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1322.383+/-0.392 χ^2/NDF:15164756.2/22

Out: 776.505+/-0.245 χ^2/NDF:17857850.3/27

All: 929.501+/-0.207 χ^2/NDF: 34418778.1/50

dit_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 1304.728+/-741.209 χ^2/NDF:14.9/7

Right Out: 1550.986+/-661.054 χ^2/NDF: 17.5/17

Left In: 2609.962+/-743.418 χ^2/NDF:14.8/6

Left: 1955.404+/-524.893 χ^2/NDF: 31.3/14

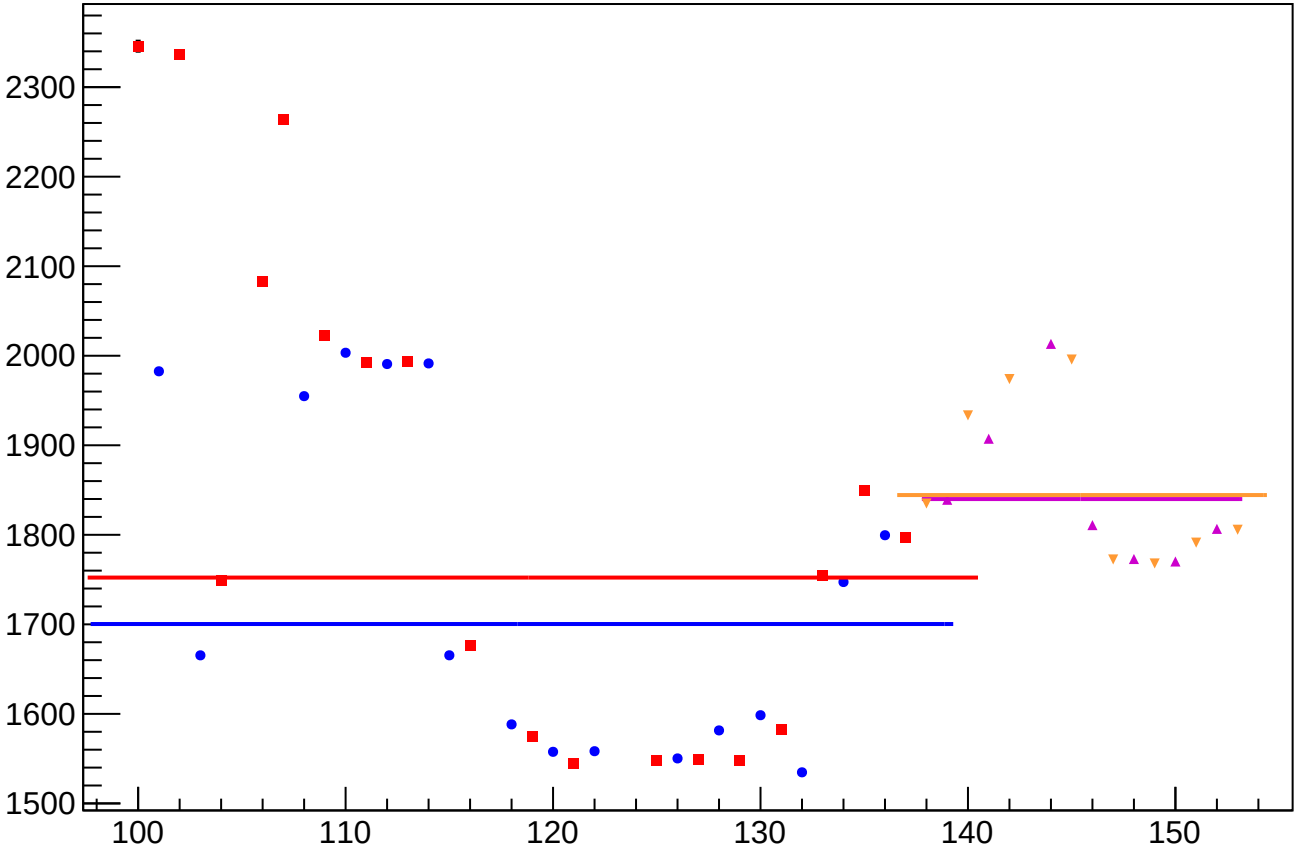
Right: 1735.334+/-458.483 χ^2/NDF: 27.8/33

In: 2203.845+/-483.467 χ^2/NDF:25.5/22

Out: 1441.888+/-493.350 χ^2/NDF:32.4/25

All: 1830.574+/-345.304 χ^2/NDF: 59.2/48

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1844.400+/-0.524 χ^2/NDF:24794.3/7

Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1839.929+/-0.526 χ^2/NDF:21793.4/6

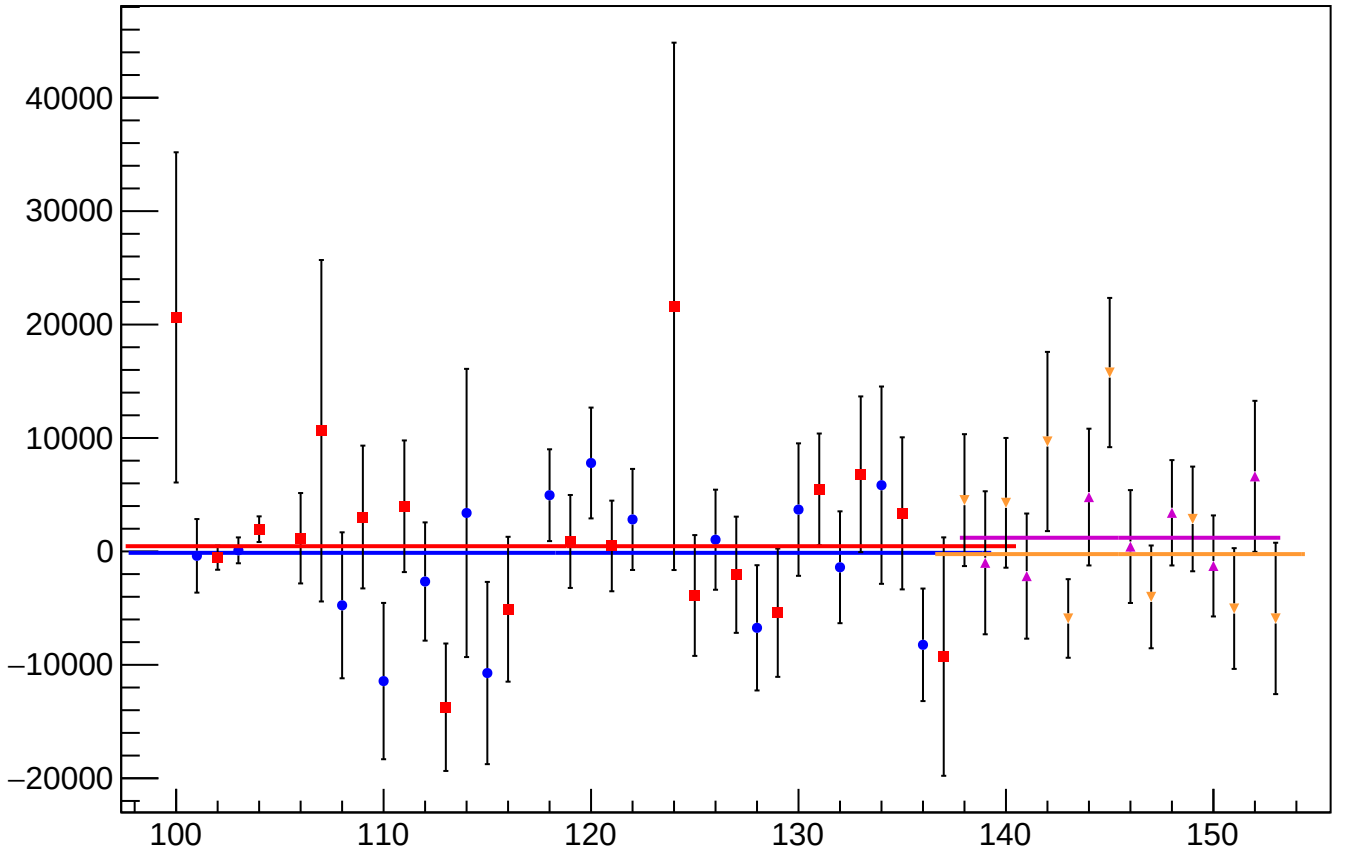
Left: 1842.171+/-0.371 χ^2/NDF: 46624.0/14

Right: 1725.373+/-0.324 χ^2/NDF: 389780.4/33

In: 1759.386+/-0.342 χ^2/NDF:197893.3/22

Out: 1792.965+/-0.348 χ^2/NDF:290003.9/25

All: 1775.857+/-0.244 χ^2/NDF: 492629.5/48



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: -236.945+/-1725.102 χ^2/NDF:14.2/8

Right Out: 459.431+/-679.157 χ^2/NDF: 18.5/18

Left In: 1203.446+/-2019.287 χ^2/NDF:2.1/6

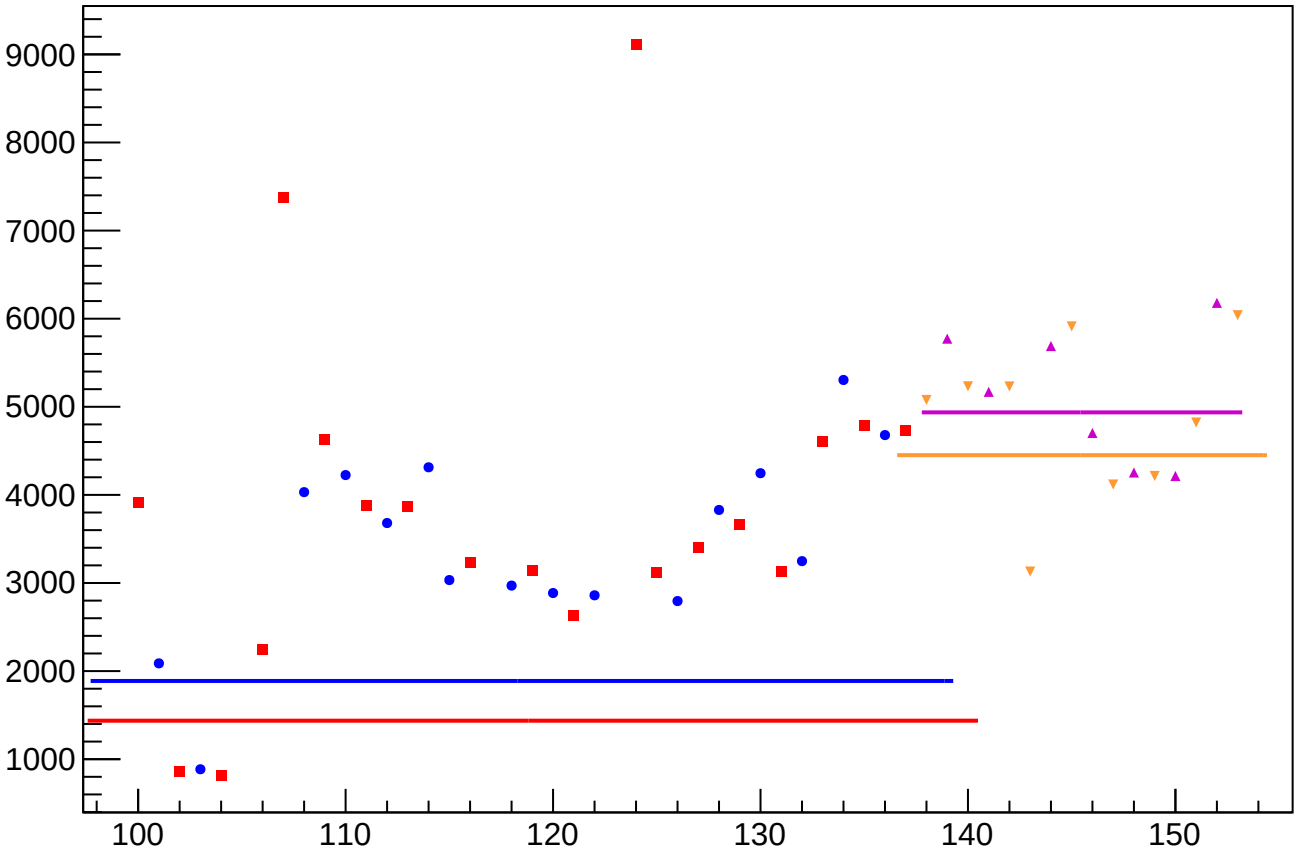
Left: 370.778+/-1311.628 χ^2/NDF: 16.5/15

Right: 237.213+/-534.800 χ^2/NDF: 33.9/34

In: 81.644+/-797.172 χ^2/NDF:17.5/22

Out: 365.982+/-631.947 χ^2/NDF:32.8/27

All: 256.253+/-495.217 χ^2/NDF: 50.4/50



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 4451.005+/-1.220 χ^2/NDF:608713.0/8

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

Left In: 4936.642+/-1.428 χ^2/NDF:239947.2/6

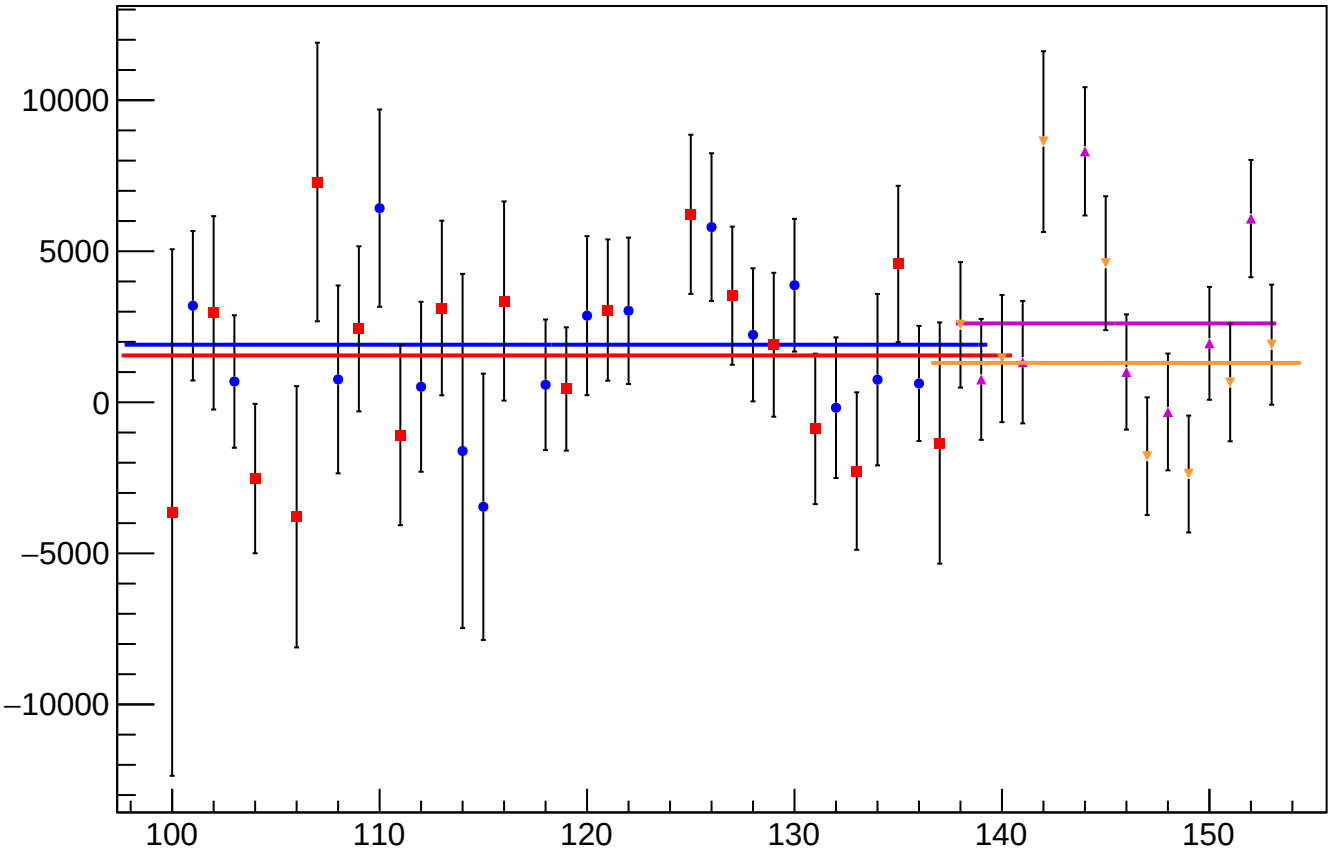
Left: 4655.902+/-0.927 χ^2/NDF: 915532.7/15

Right: 1608.413+/-0.378 χ^2/NDF: 10724797.8/34

In: 2363.130+/-0.564 χ^2/NDF:8513916.2/22

Out: 1841.553+/-0.447 χ^2/NDF:11858308.2/27

All: 2042.836+/-0.350 χ^2/NDF: 20897992.5/5



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 1304.734+/-741.210 χ^2/NDF:14.9/7

Right Out: 1550.983+/-661.054 χ^2/NDF: 17.5/17

Left In: 2609.963+/-743.418 χ^2/NDF:14.8/6

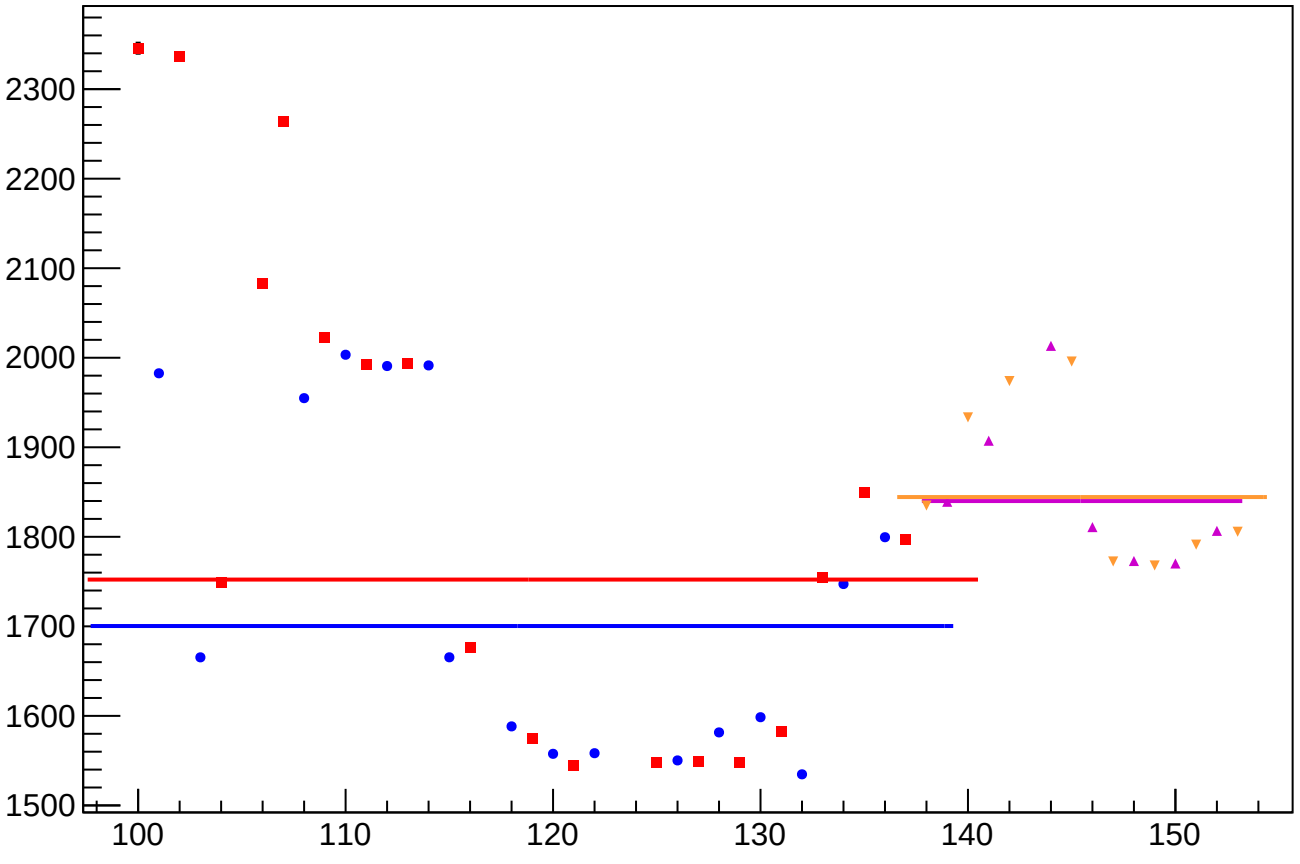
Left: 1955.407+/-524.893 χ^2/NDF: 31.3/14

Right: 1735.331+/-458.483 χ^2/NDF: 27.8/33

In: 2203.844+/-483.467 χ^2/NDF:25.5/22

Out: 1441.889+/-493.350 χ^2/NDF:32.4/25

All: 1830.574+/-345.304 χ^2/NDF: 59.2/48



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1844.401+/-0.524 χ^2/NDF:24794.8/7

Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1839.930+/-0.526 χ^2/NDF:21793.7/6

Left: 1842.172+/-0.371 χ^2/NDF: 46624.8/14

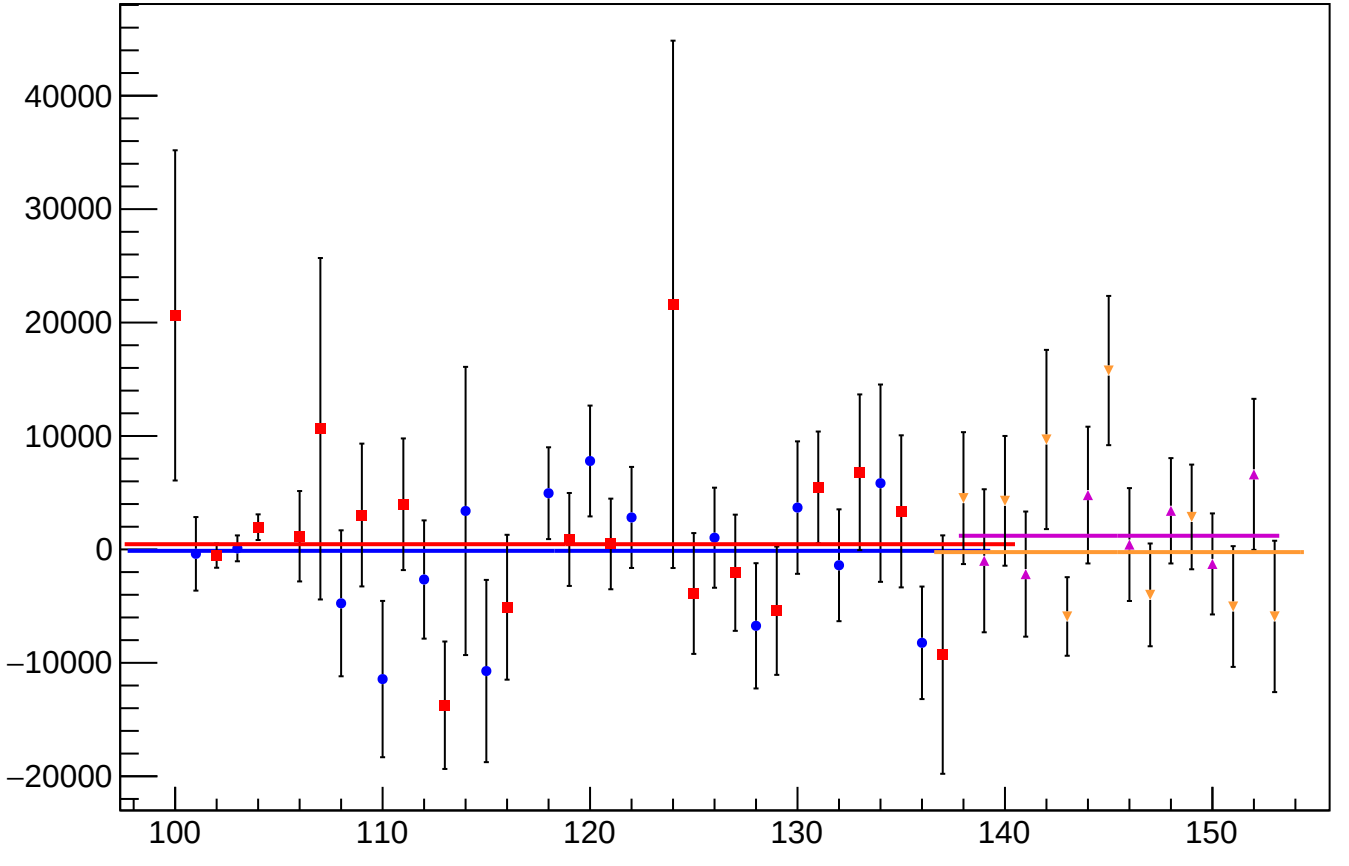
Right: 1725.372+/-0.324 χ^2/NDF: 389780.1/33

In: 1759.386+/-0.342 χ^2/NDF:197894.6/22

Out: 1792.965+/-0.348 χ^2/NDF:290004.4/25

All: 1775.857+/-0.244 χ^2/NDF: 492631.3/48

asym_atl_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: -236.951+/-1725.104 χ^2/NDF:14.2/8

Right Out: 459.430+/-679.152 χ^2/NDF: 18.5/18

Left In: 1203.448+/-2019.290 χ^2/NDF:2.1/6

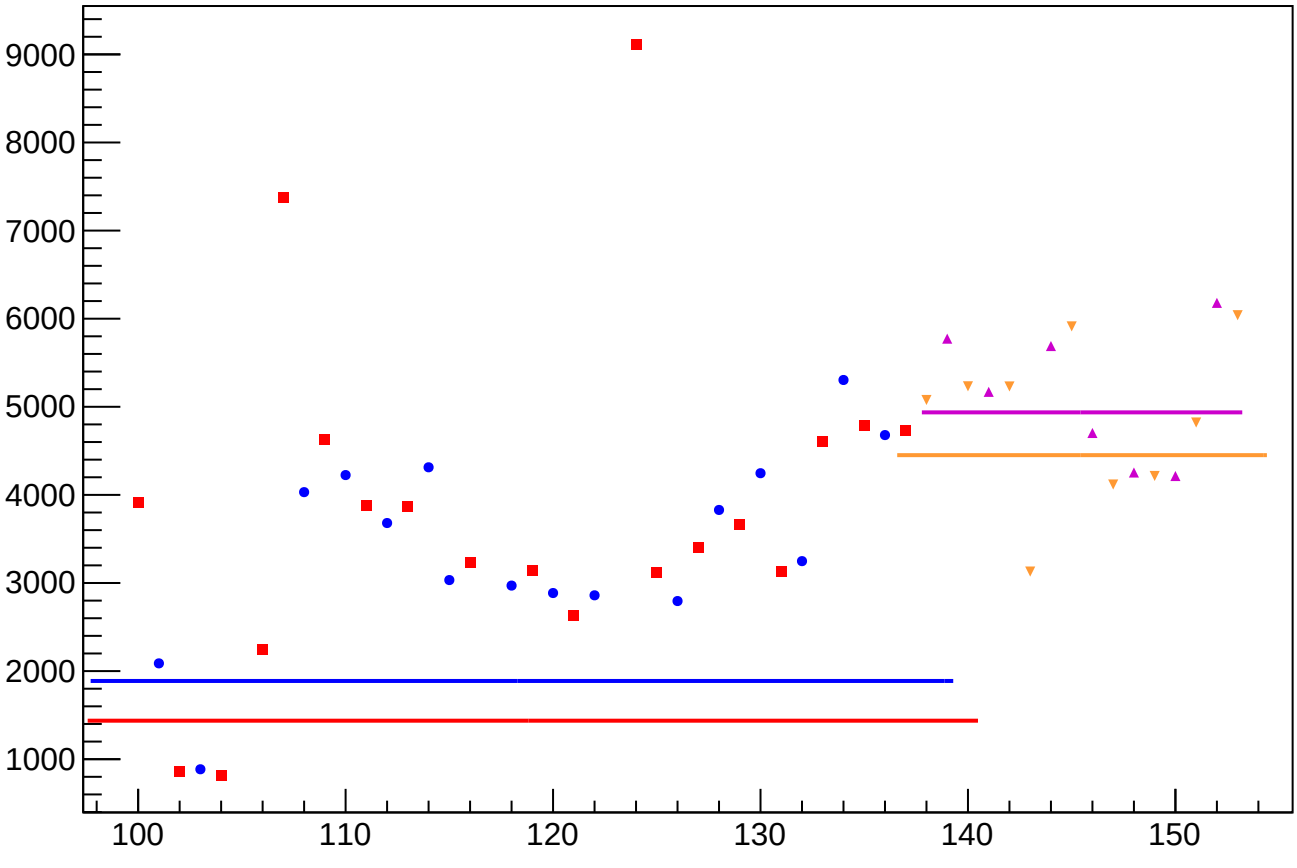
Left: 370.775+/-1311.629 χ^2/NDF: 16.5/15

Right: 237.214+/-534.797 χ^2/NDF: 33.9/34

In: 81.645+/-797.167 χ^2/NDF:17.5/22

Out: 365.982+/-631.943 χ^2/NDF:32.8/27

All: 256.253+/-495.214 χ^2/NDF: 50.4/50



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4451.009+/-1.220 χ^2/NDF:608718.0/8

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

Left In: 4936.647+/-1.428 χ^2/NDF:239949.9/6

Left: 4655.907+/-0.927 χ^2/NDF: 915540.8/15

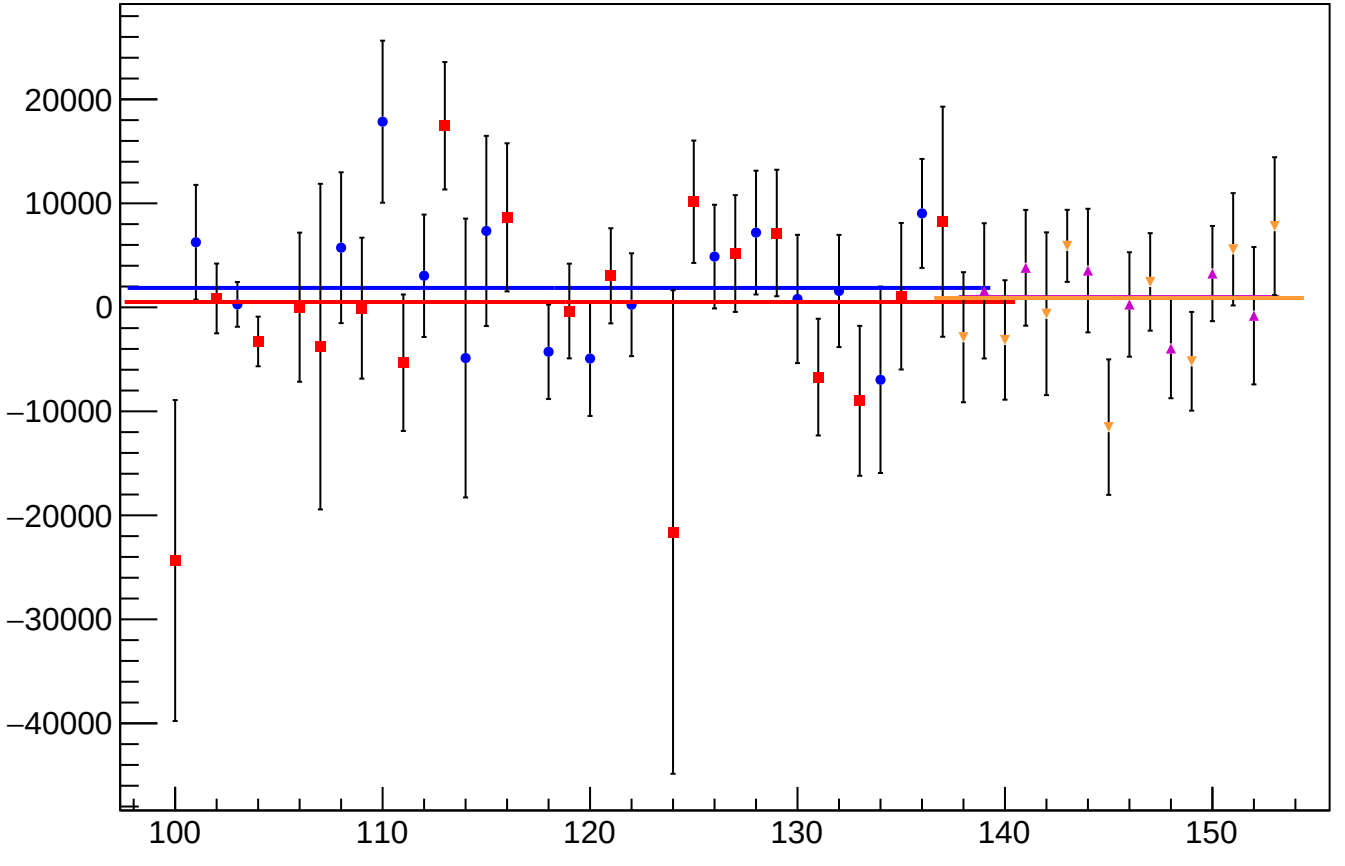
Right: 1608.398+/-0.378 χ^2/NDF: 10724869.8/34

In: 2363.111+/-0.564 χ^2/NDF:8514011.1/22

Out: 1841.536+/-0.447 χ^2/NDF:11858409.3/27

All: 2042.818+/-0.350 χ^2/NDF: 20898190.2/5

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 898.036+/-1751.173 χ^2/NDF:10.2/8

Right Out: 512.528+/-1241.513 χ^2/NDF: 24.7/18

Left In: 985.028+/-2048.397 χ^2/NDF:1.9/6

Left: 934.768+/-1331.064 χ^2/NDF: 12.1/15

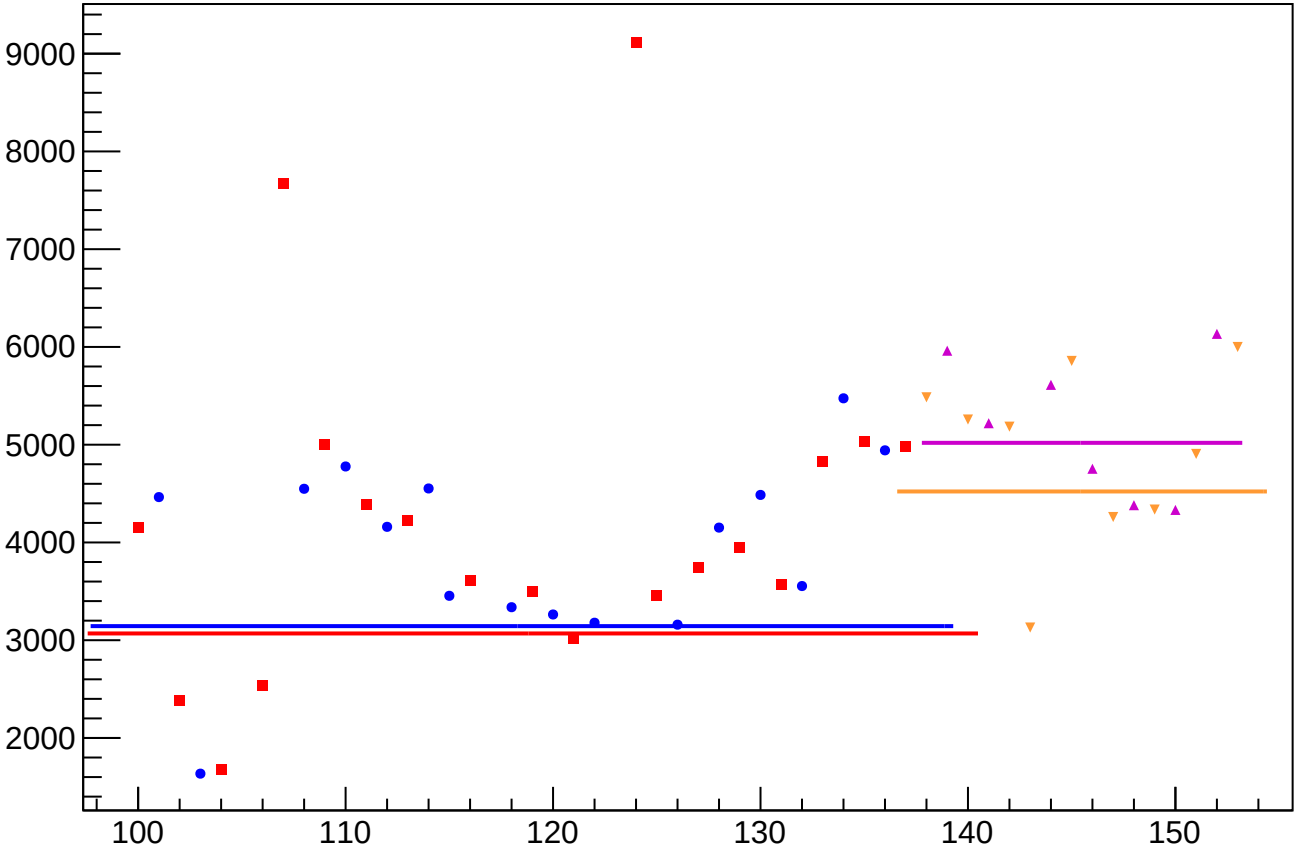
Right: 1180.003+/-884.065 χ^2/NDF: 39.1/34

In: 1624.845+/-1072.716 χ^2/NDF:15.8/22

Out: 641.480+/-1012.805 χ^2/NDF:34.9/27

All: 1104.936+/-736.431 χ^2/NDF: 51.2/50

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 4521.579+/-1.238 χ^2/NDF:620476.9/8

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

Left In: 5019.091+/-1.448 χ^2/NDF:207640.9/6

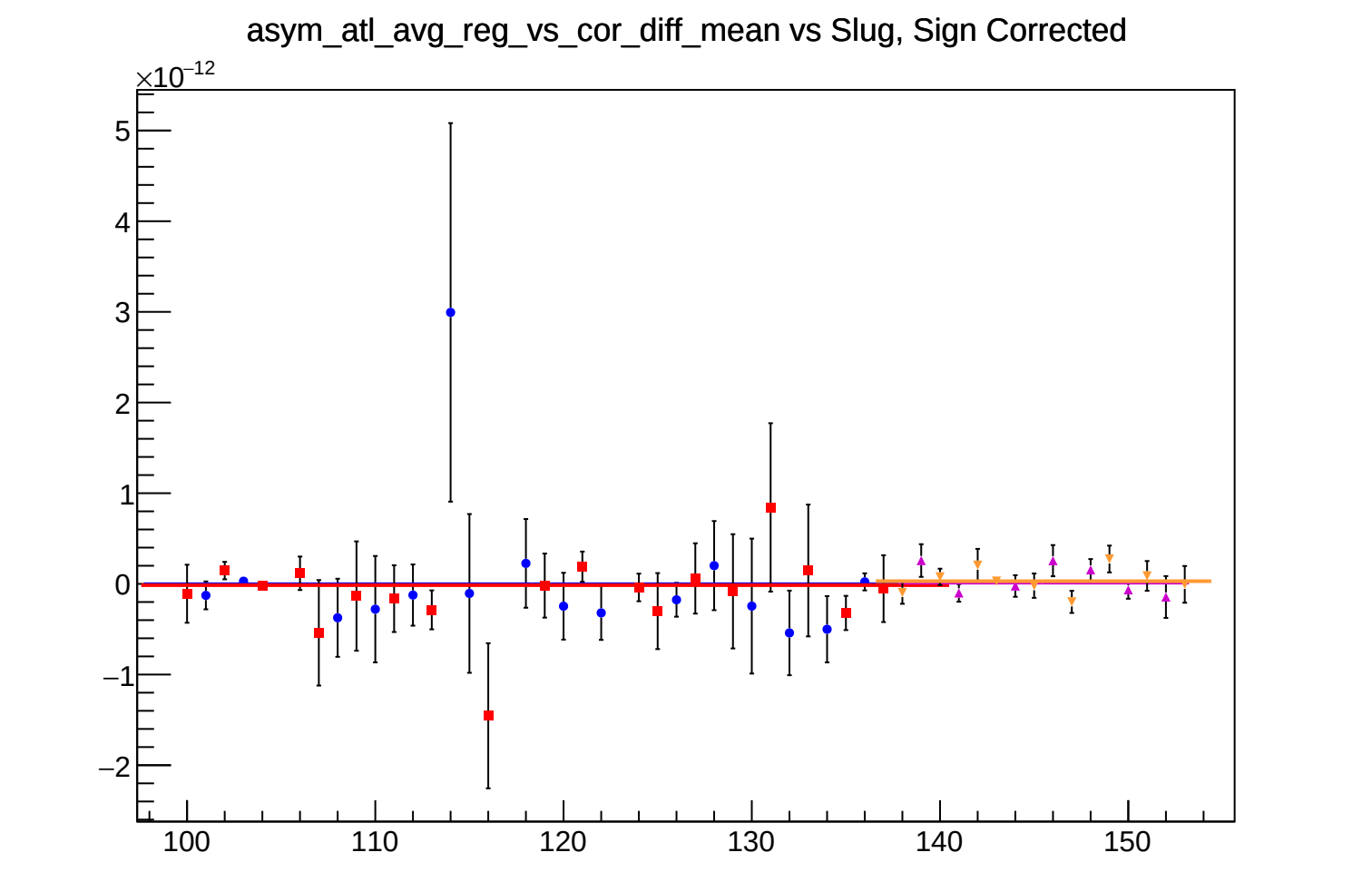
Left: 4731.654+/-0.941 χ^2/NDF: 896280.8/15

Right: 3105.498+/-0.620 χ^2/NDF: 3768440.9/34

In: 3658.335+/-0.759 χ^2/NDF:3306890.5/22

Out: 3544.848+/-0.709 χ^2/NDF:3427367.2/27

All: 3597.740+/-0.518 χ^2/NDF: 6746209.5/50



Right In: -0.000+/-0.000 χ^2/NDF: 10.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.8/8

Right Out: -0.000+/-0.000 χ^2/NDF: 14.9/18

Left In: 0.000+/-0.000 χ^2/NDF:7.8/6

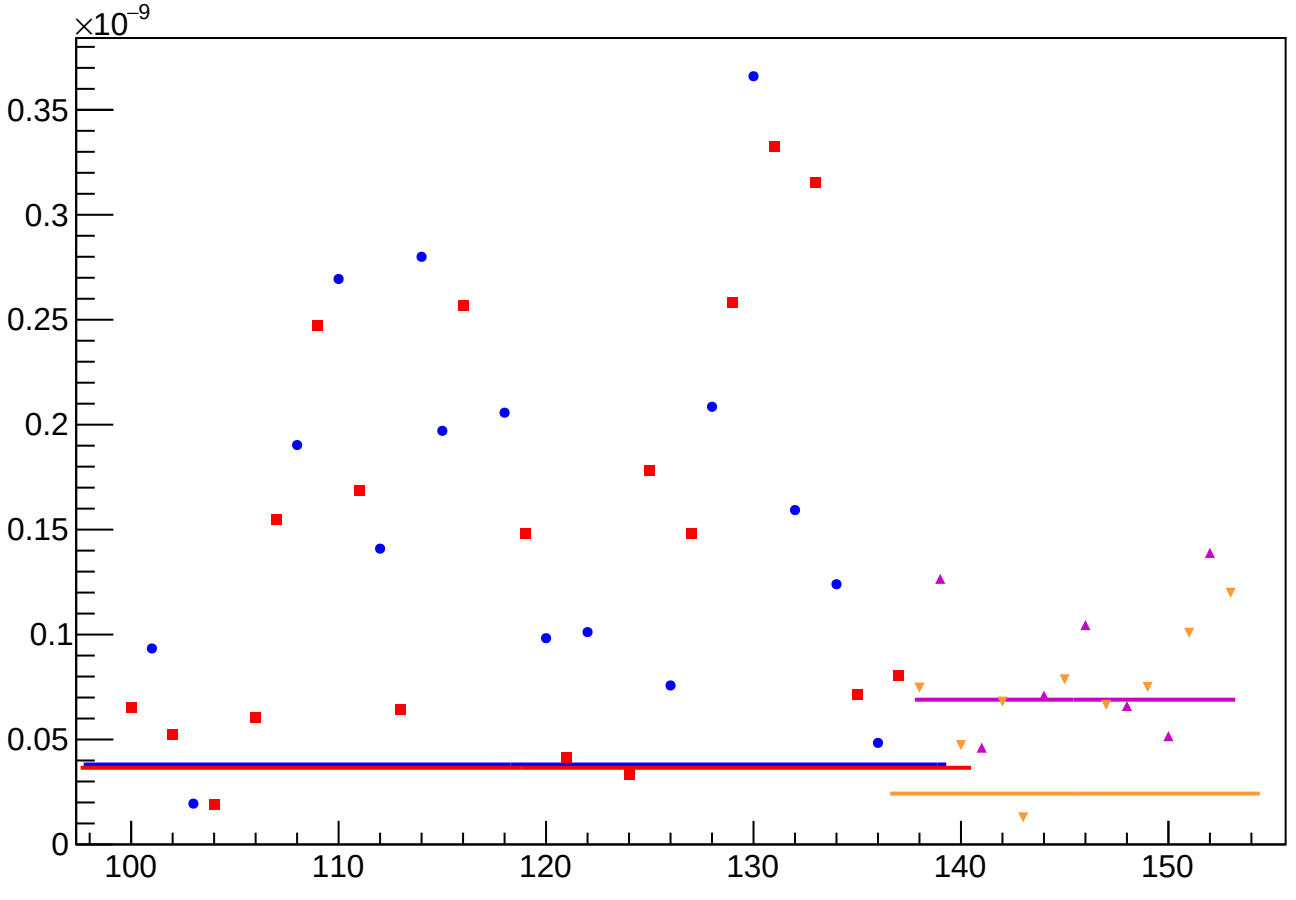
Left: 0.000+/-0.000 χ^2/NDF: 16.7/15

Right: -0.000+/-0.000 χ^2/NDF: 25.6/34

In: 0.000+/-0.000 χ^2/NDF:18.5/22

Out: 0.000+/-0.000 χ^2/NDF:25.0/27

All: 0.000+/-0.000 χ^2/NDF: 43.7/50



Right In: 0.000+/-0.000 χ^2/NDF: 2888502.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2733327.7/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2683451.3/18

Left In: 0.000+/-0.000 χ^2/NDF:648646.7/6

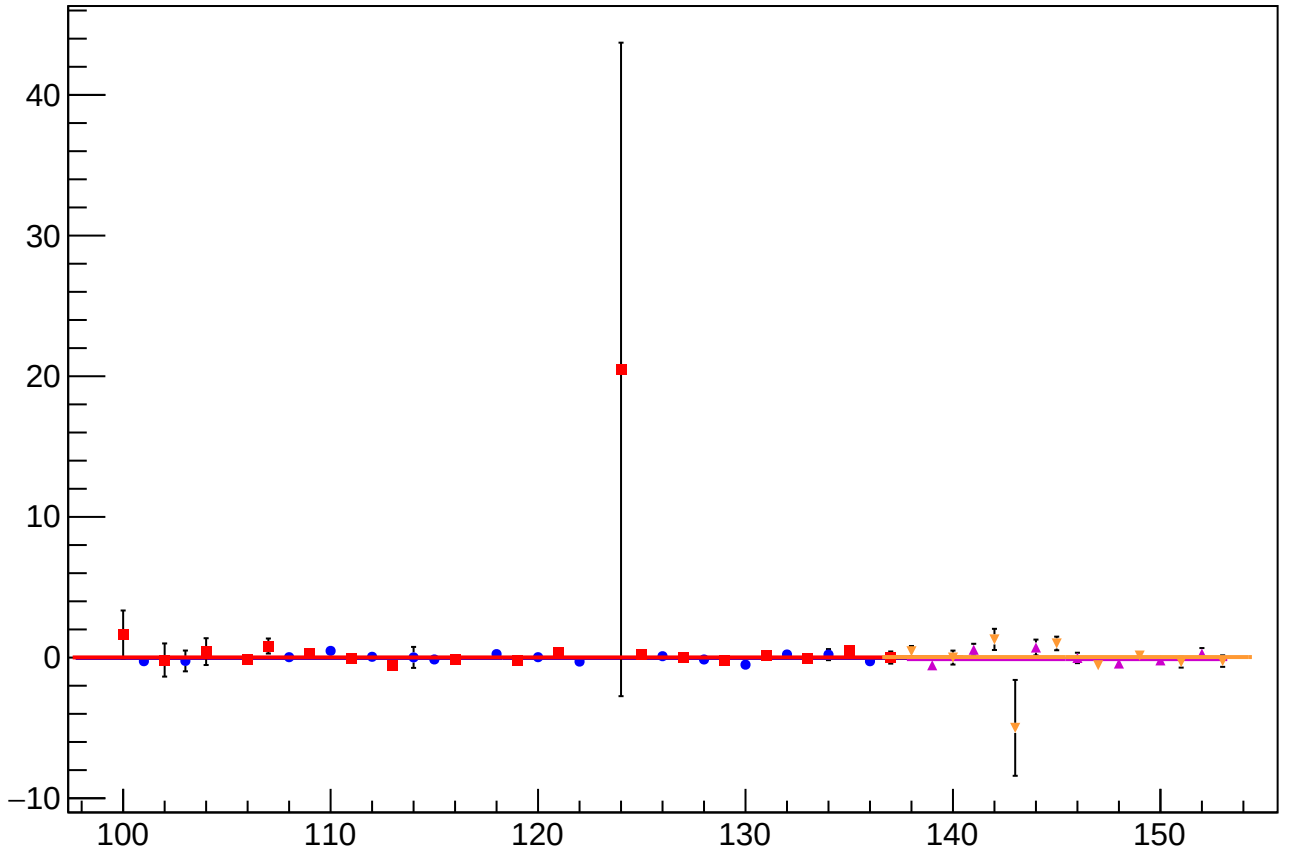
Left: 0.000+/-0.000 χ^2/NDF: 4842762.8/15

Right: 0.000+/-0.000 χ^2/NDF: 5574117.1/34

In: 0.000+/-0.000 χ^2/NDF:4089241.7/22

Out: 0.000+/-0.000 χ^2/NDF:5618986.2/27

All: 0.000+/-0.000 χ^2/NDF: 10492336.3/50



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.037+/-0.144 χ^2/NDF:14.9/8

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.109+/-0.136 χ^2/NDF:9.2/6

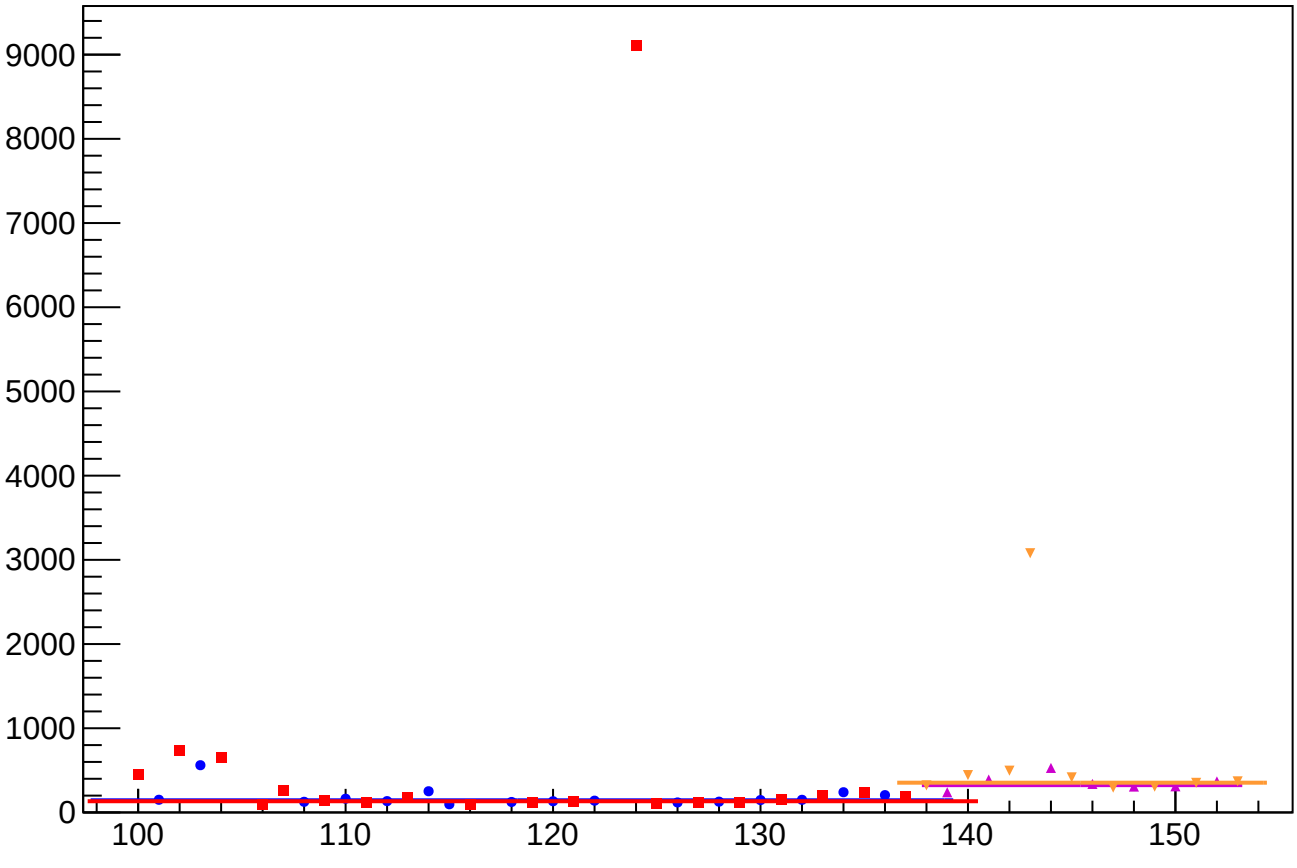
Left: -0.040+/-0.099 χ^2/NDF: 24.6/15

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.041+/-0.053 χ^2/NDF:26.8/22

Out: 0.014+/-0.053 χ^2/NDF:36.7/27

All: -0.013+/-0.037 χ^2/NDF: 64.0/50



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 353.526+/-0.102 χ^2/NDF:1573447.8/8

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 324.417+/-0.096 χ^2/NDF:544621.8/6

Left: 338.187+/-0.070 χ^2/NDF: 2161264.0/15

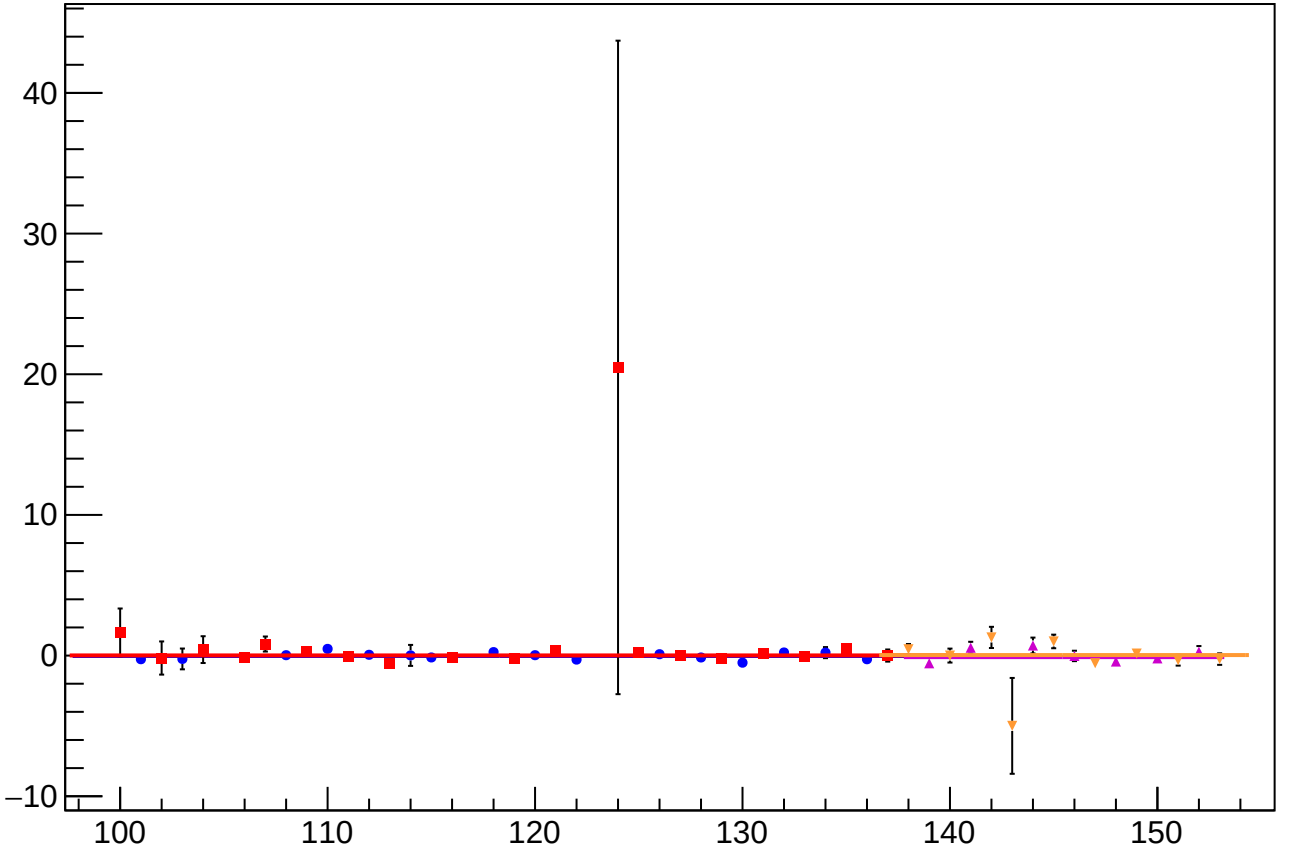
Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 171.792+/-0.038 χ^2/NDF:4636128.6/22

Out: 162.726+/-0.037 χ^2/NDF:7859822.1/27

All: 167.205+/-0.026 χ^2/NDF: 12525302.0/50

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.037+/-0.144 χ^2/NDF:14.9/8

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.109+/-0.136 χ^2/NDF:9.2/6

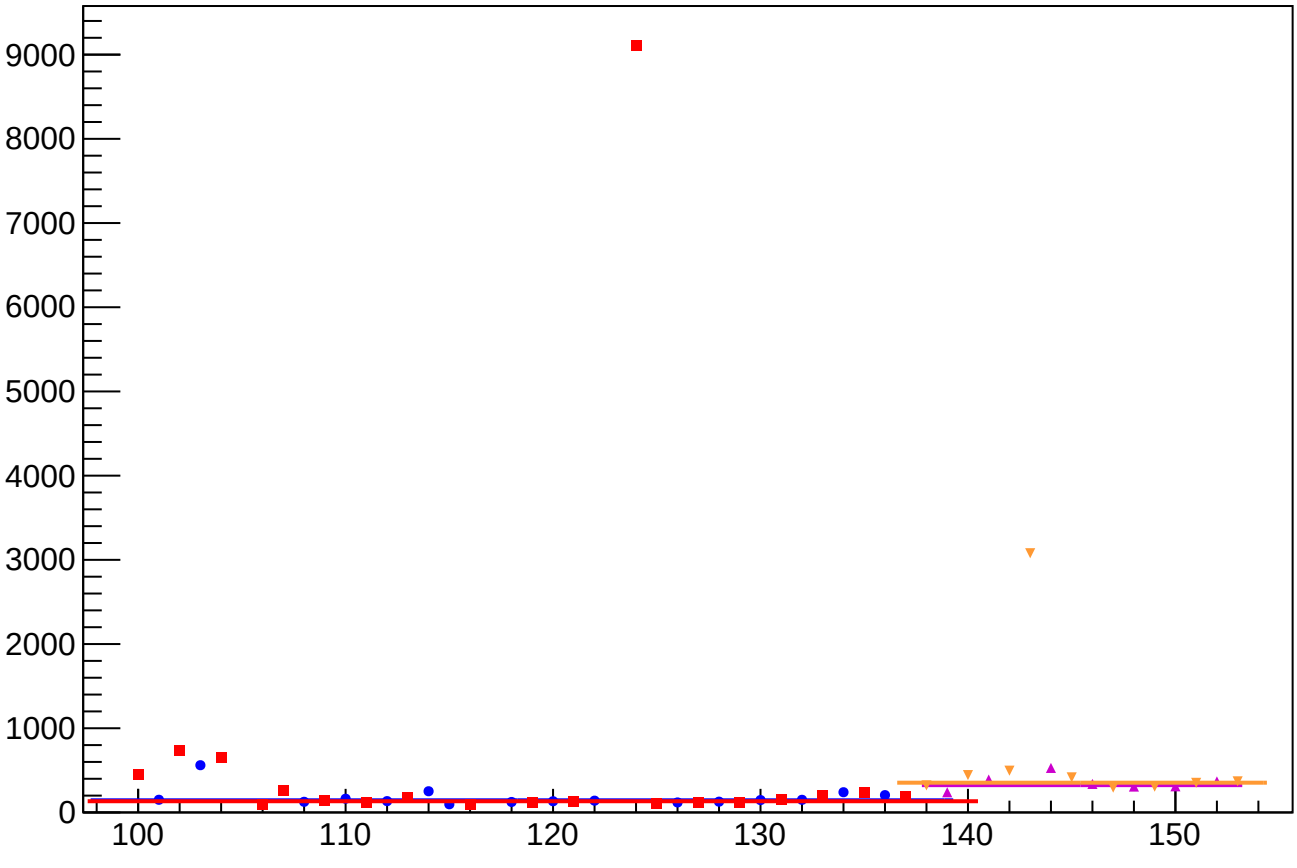
Left: -0.040+/-0.099 χ^2/NDF: 24.6/15

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.041+/-0.053 χ^2/NDF:26.8/22

Out: 0.014+/-0.053 χ^2/NDF:36.7/27

All: -0.013+/-0.037 χ^2/NDF: 64.0/50



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 353.526+/-0.102 χ^2/NDF:1573447.8/8

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 324.417+/-0.096 χ^2/NDF:544621.8/6

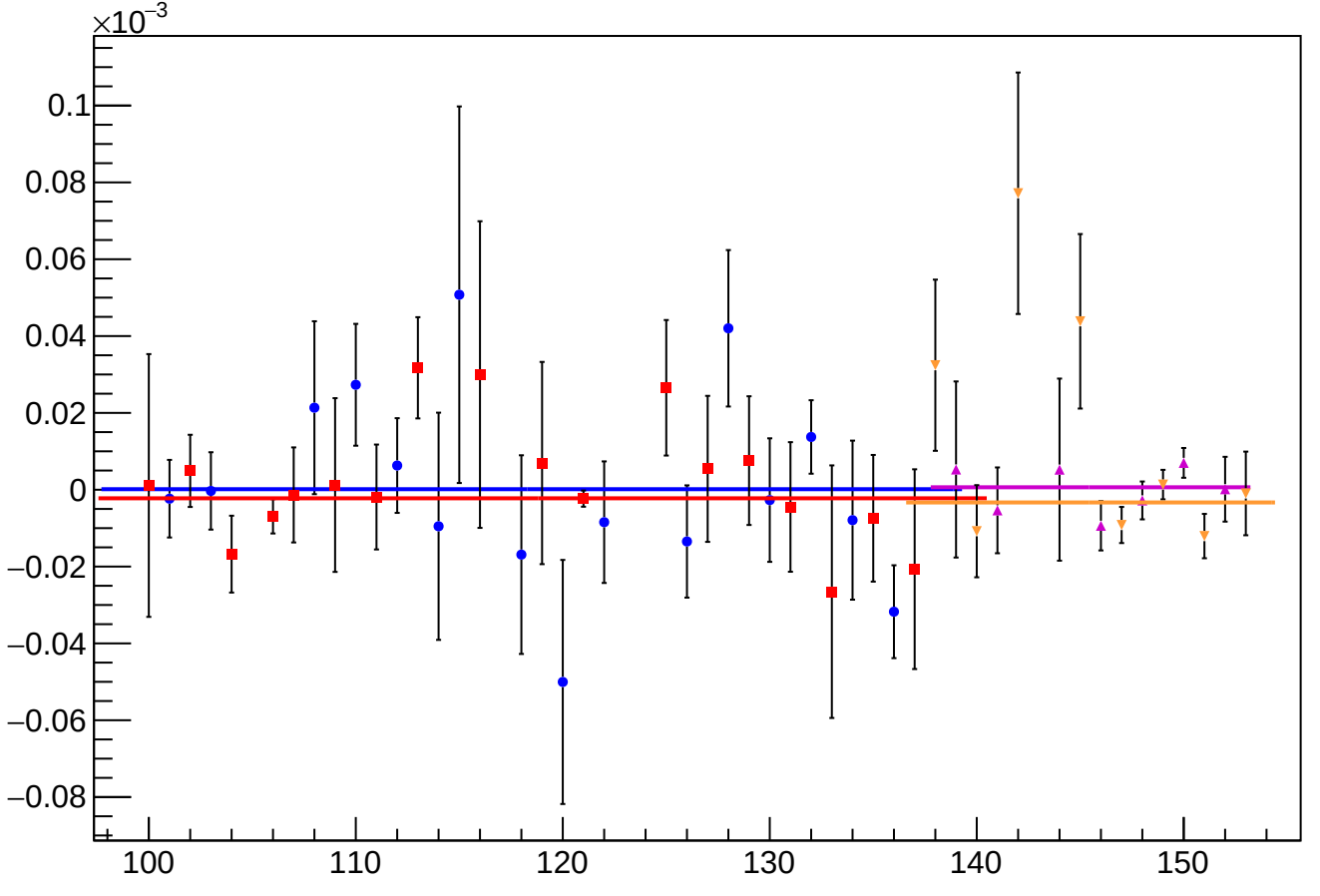
Left: 338.187+/-0.070 χ^2/NDF: 2161264.0/15

Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 171.792+/-0.038 χ^2/NDF:4636128.6/22

Out: 162.726+/-0.037 χ^2/NDF:7859822.1/27

All: 167.205+/-0.026 χ^2/NDF: 12525302.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/7

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/17

Left In: 0.000+/-0.000 χ^2/NDF:6.0/6

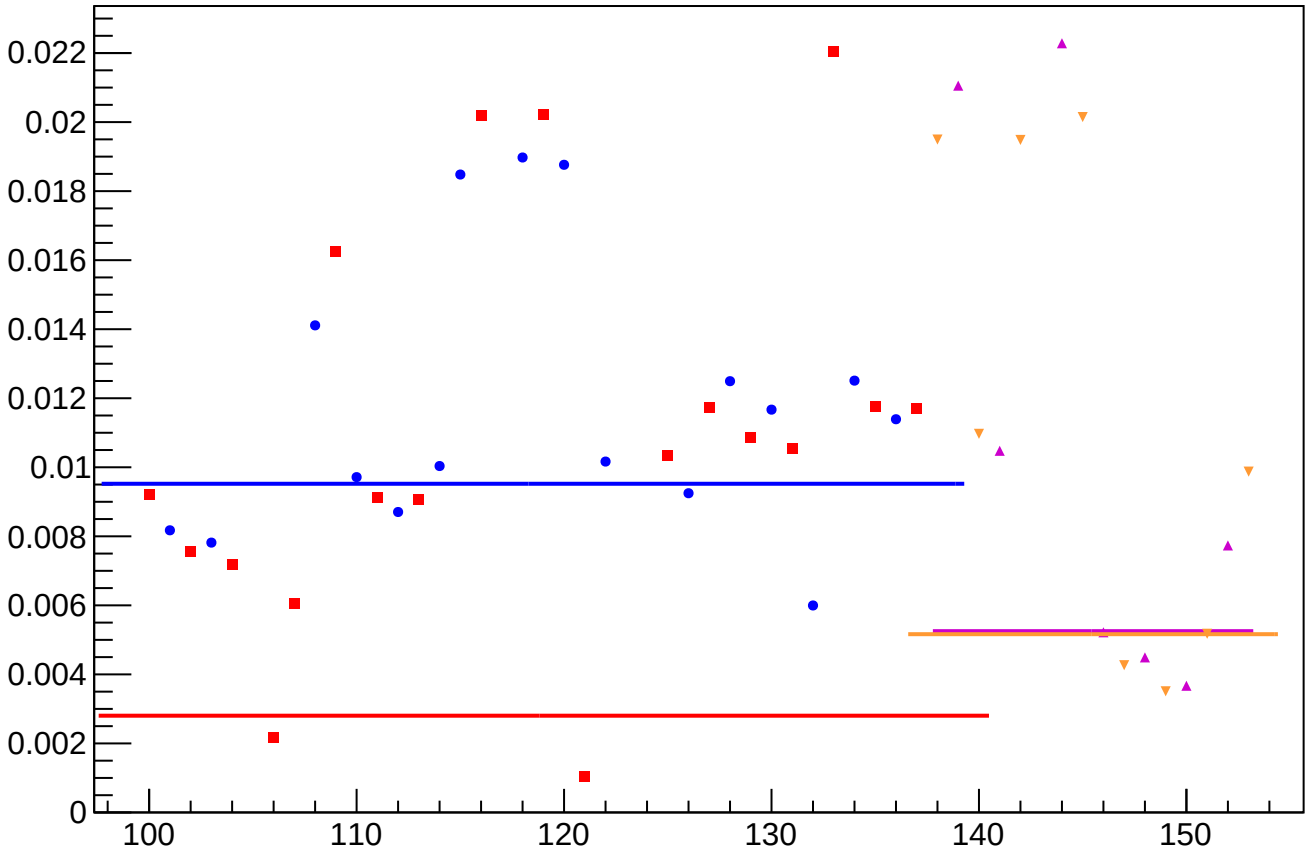
Left: -0.000+/-0.000 χ^2/NDF: 26.4/14

Right: -0.000+/-0.000 χ^2/NDF: 38.7/33

In: 0.000+/-0.000 χ^2/NDF:28.8/22

Out: -0.000+/-0.000 χ^2/NDF:34.9/25

All: -0.000+/-0.000 χ^2/NDF: 65.2/48



Right In: 0.010+/-0.000 χ^2/NDF: 1132946.4/15

Left Out: 0.005+/-0.000 χ^2/NDF:3399871.5/7

Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

Left In: 0.005+/-0.000 χ^2/NDF:2975533.1/6

Left: 0.005+/-0.000 χ^2/NDF: 6376643.6/14

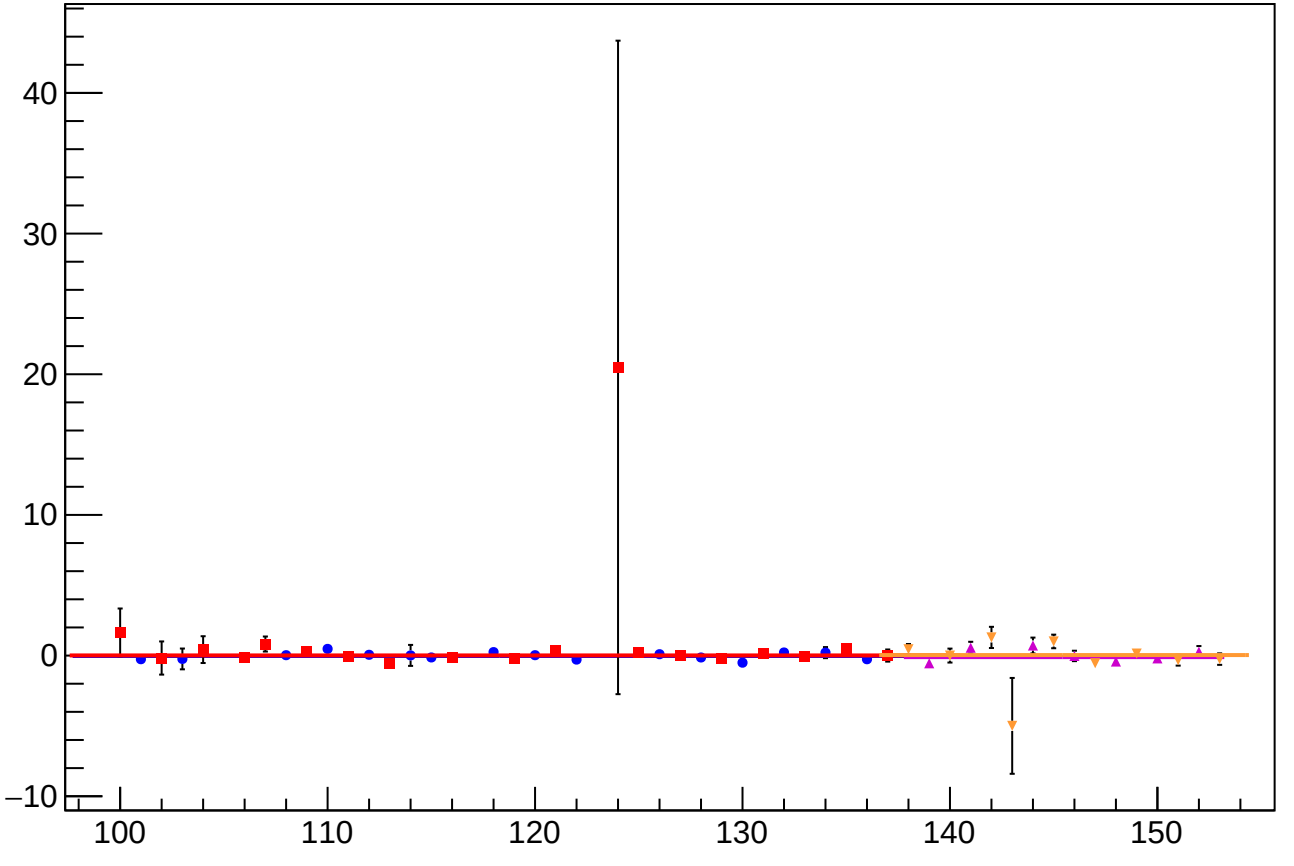
Right: 0.004+/-0.000 χ^2/NDF: 15020072.2/33

In: 0.007+/-0.000 χ^2/NDF:5899355.5/22

Out: 0.004+/-0.000 χ^2/NDF:13197340.1/25

All: 0.005+/-0.000 χ^2/NDF: 21944727.5/48

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: 0.037+/-0.144 χ^2/NDF:14.9/8

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.109+/-0.136 χ^2/NDF:9.2/6

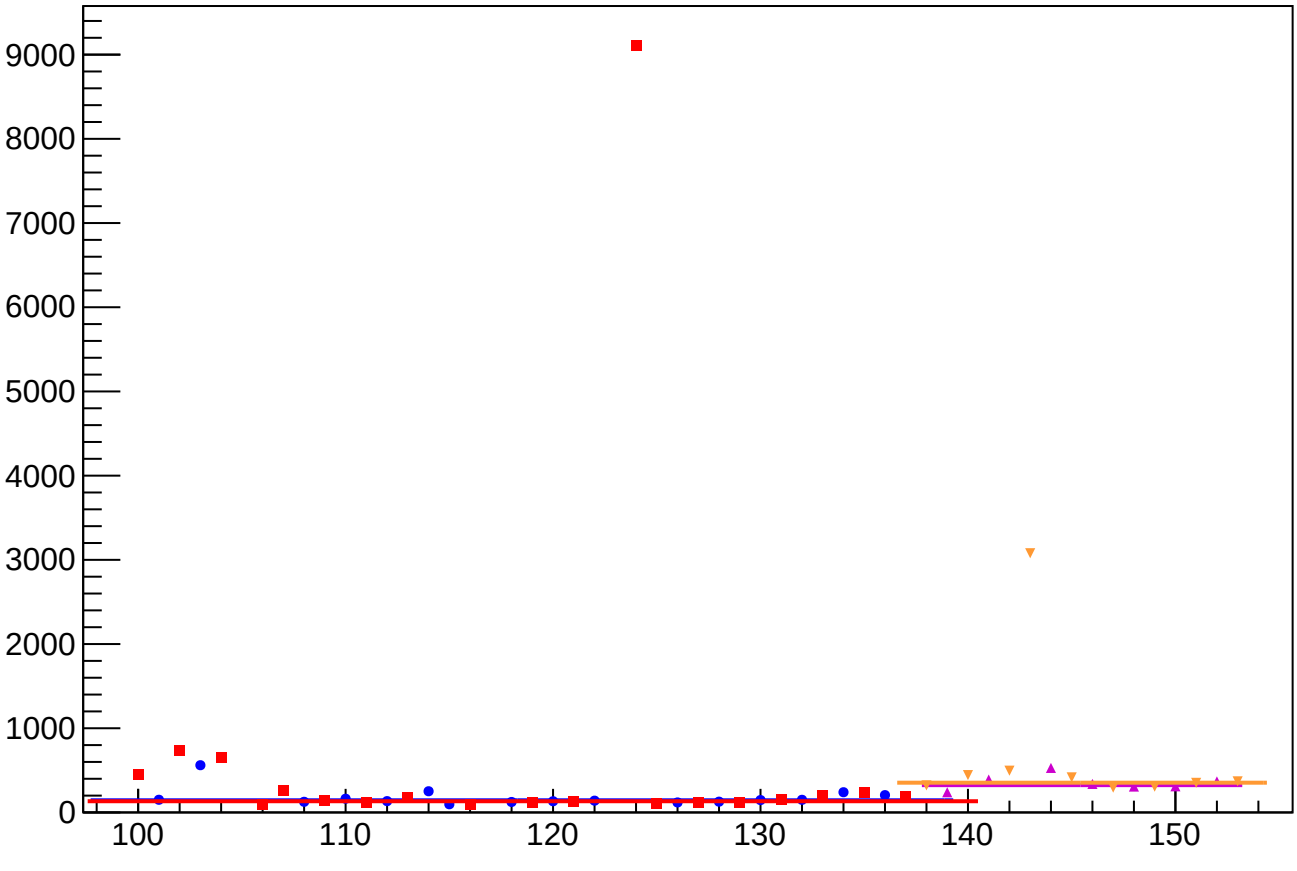
Left: -0.040+/-0.099 χ^2/NDF: 24.6/15

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.041+/-0.053 χ^2/NDF:26.8/22

Out: 0.014+/-0.053 χ^2/NDF:36.7/27

All: -0.013+/-0.037 χ^2/NDF: 64.0/50



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 353.529+/-0.102 χ^2/NDF:1573470.8/8

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 324.422+/-0.096 χ^2/NDF:544607.2/6

Left: 338.190+/-0.070 χ^2/NDF: 2161267.5/15

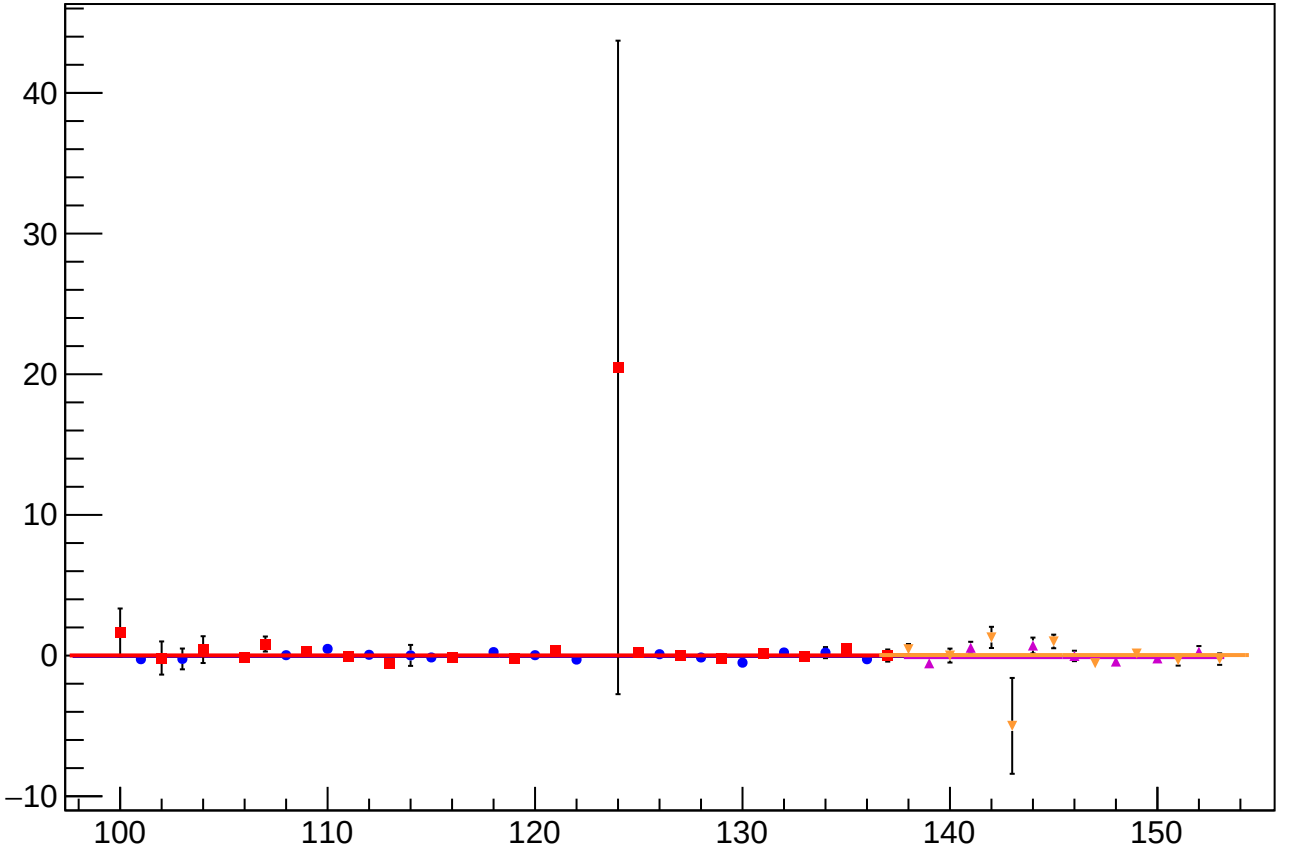
Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 171.790+/-0.038 χ^2/NDF:4636272.4/22

Out: 162.726+/-0.037 χ^2/NDF:7859882.8/27

All: 167.204+/-0.026 χ^2/NDF: 12525502.4/50

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: 0.037+/-0.144 χ^2/NDF:14.9/8

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.109+/-0.136 χ^2/NDF:9.2/6

Left: -0.040+/-0.099 χ^2/NDF: 24.6/15

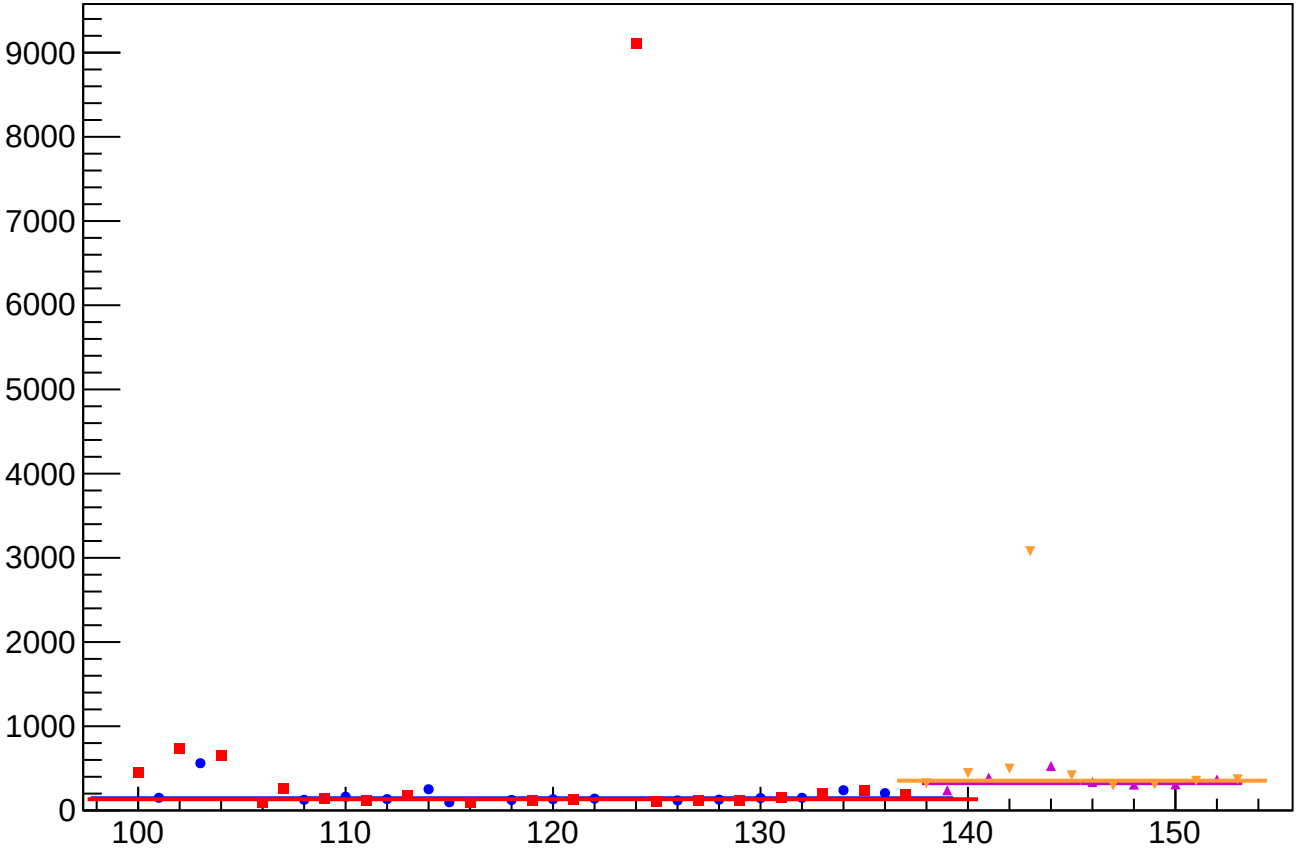
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.041+/-0.053 χ^2/NDF:26.8/22

Out: 0.014+/-0.053 χ^2/NDF:36.7/27

All: -0.013+/-0.037 χ^2/NDF: 64.0/50

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 353.529+/-0.102 χ^2/NDF:1573470.8/8

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 324.422+/-0.096 χ^2/NDF:544607.2/6

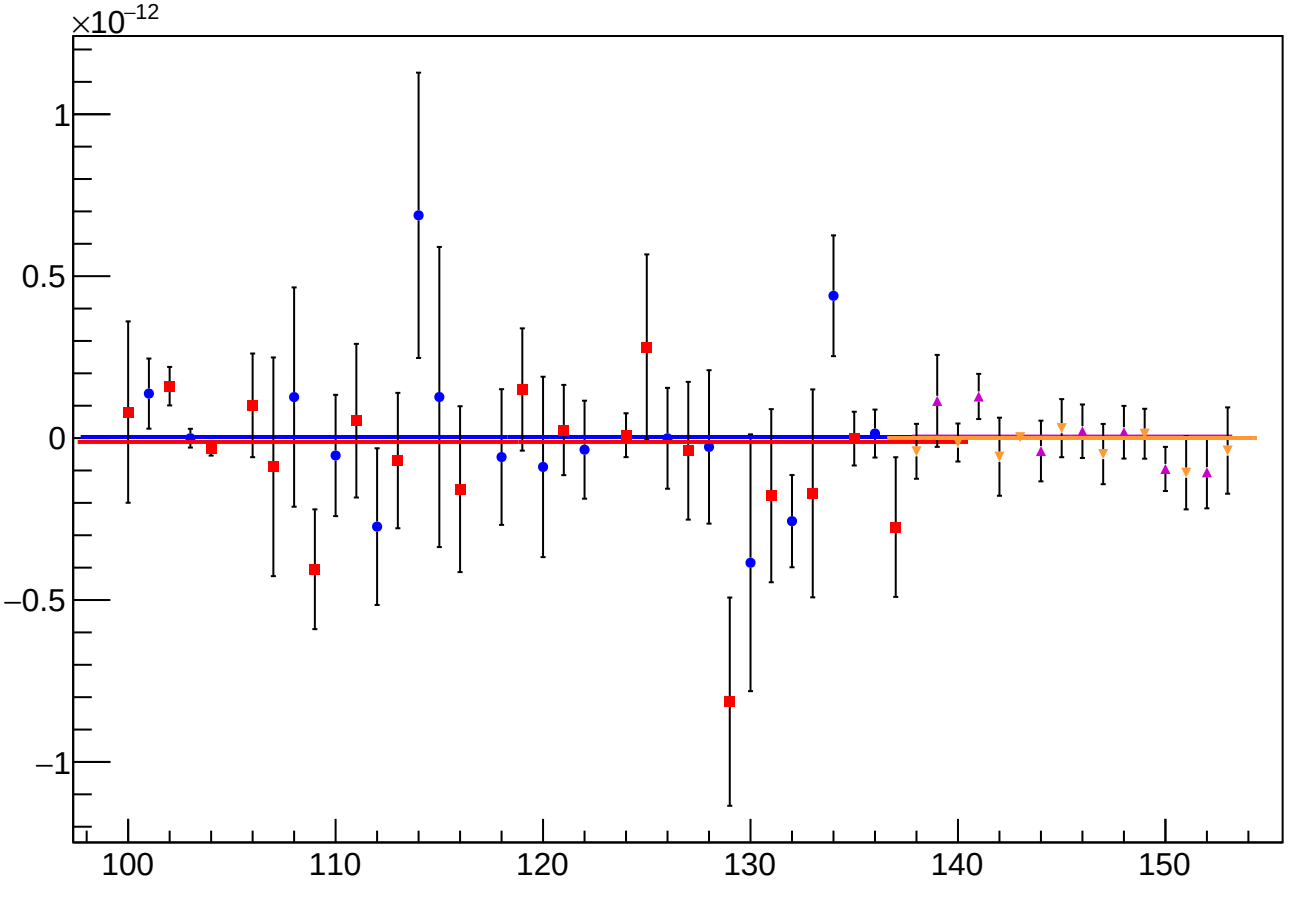
Left: 338.190+/-0.070 χ^2/NDF: 2161267.5/15

Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 171.790+/-0.038 χ^2/NDF:4636272.4/22

Out: 162.726+/-0.037 χ^2/NDF:7859882.8/27

All: 167.204+/-0.026 χ^2/NDF: 12525502.4/50



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.0/8

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: 0.000+/-0.000 χ^2/NDF:7.2/6

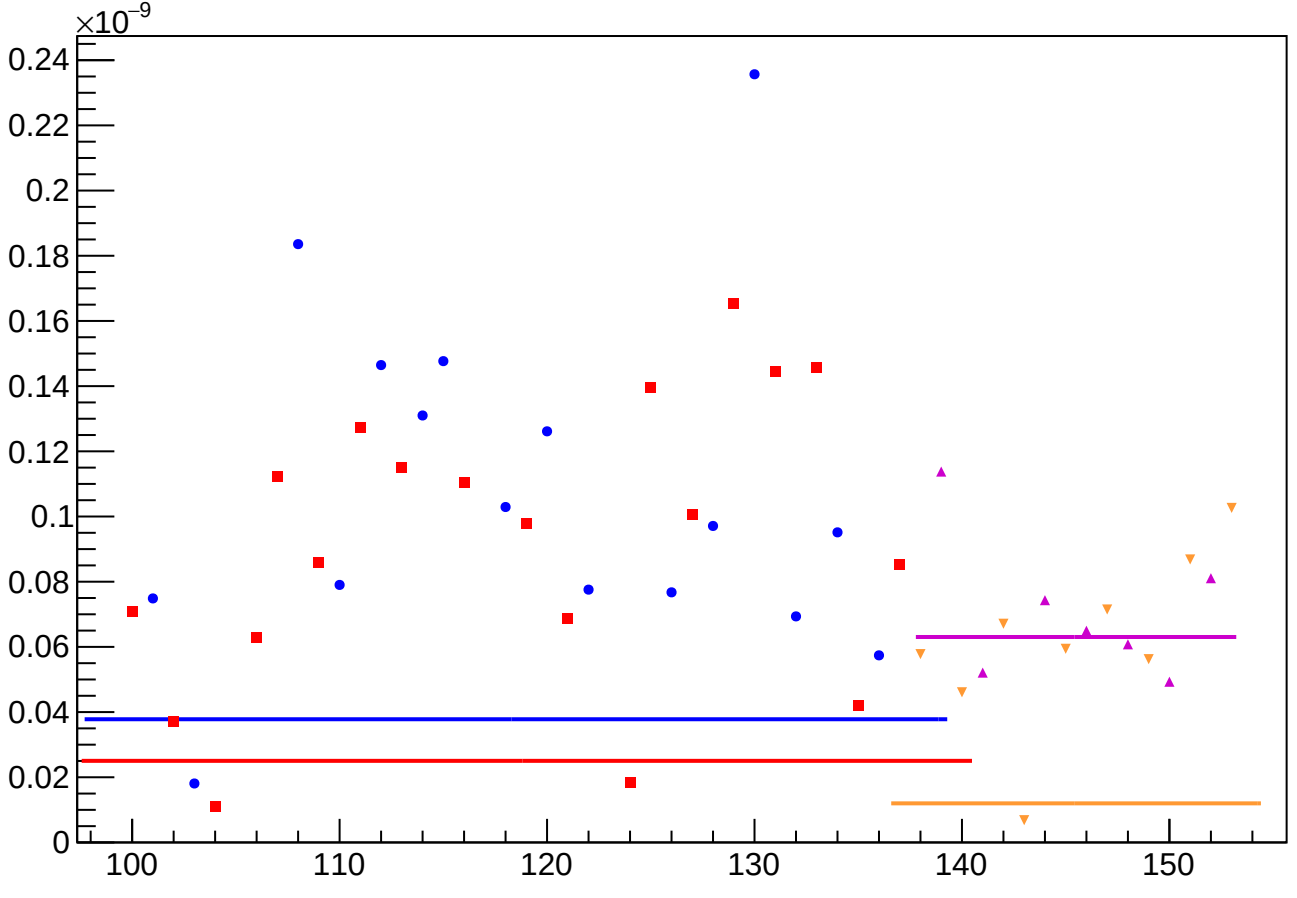
Left: 0.000+/-0.000 χ^2/NDF: 9.2/15

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: 0.000+/-0.000 χ^2/NDF:22.8/22

Out: -0.000+/-0.000 χ^2/NDF:27.4/27

All: -0.000+/-0.000 χ^2/NDF: 50.3/50



Right In: 0.000+/-0.000 χ^2/NDF: 3942675.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:6037904.1/8

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

Left In: 0.000+/-0.000 χ^2/NDF:469506.3/6

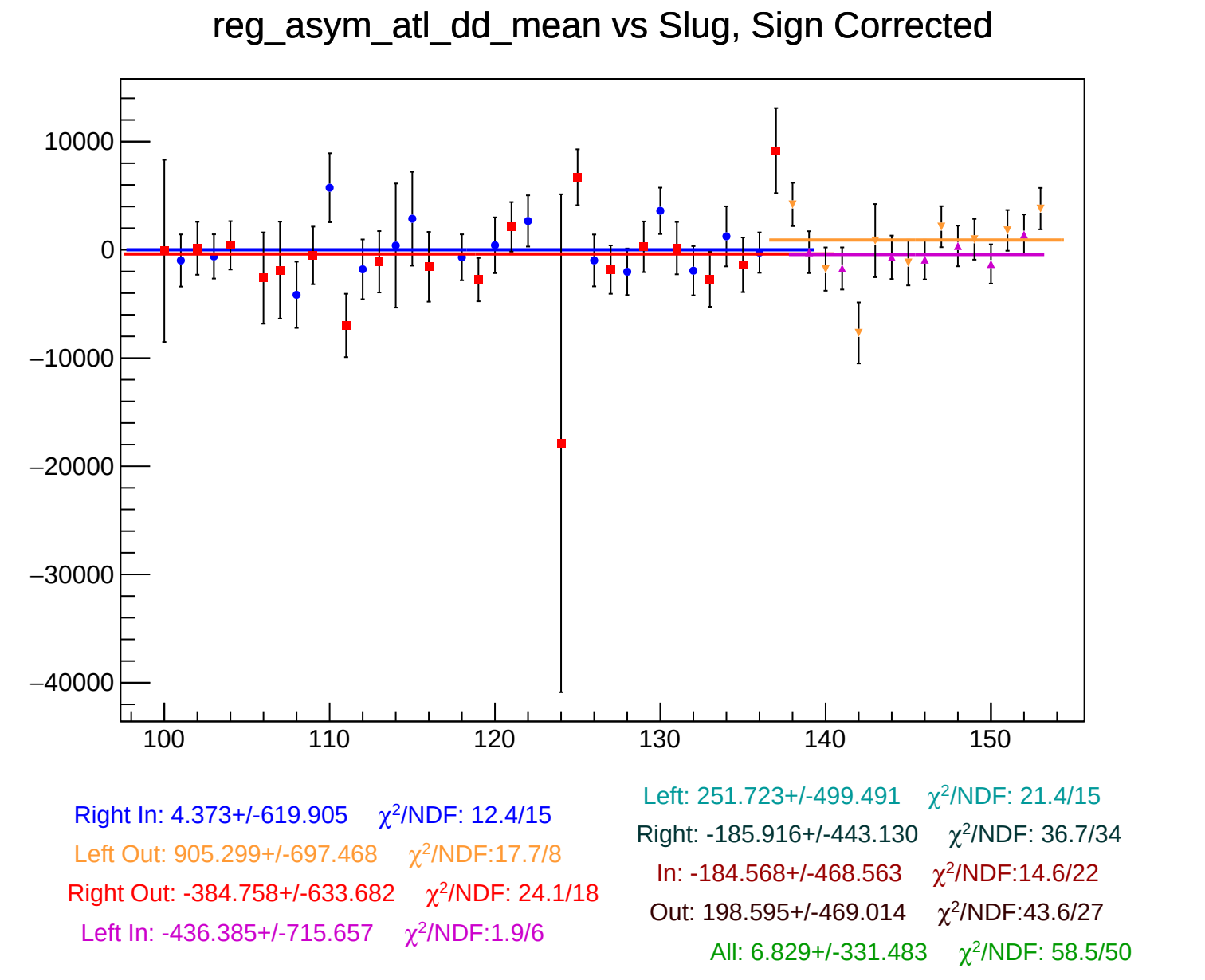
Left: 0.000+/-0.000 χ^2/NDF: 11114072.7/15

Right: 0.000+/-0.000 χ^2/NDF: 8999957.7/34

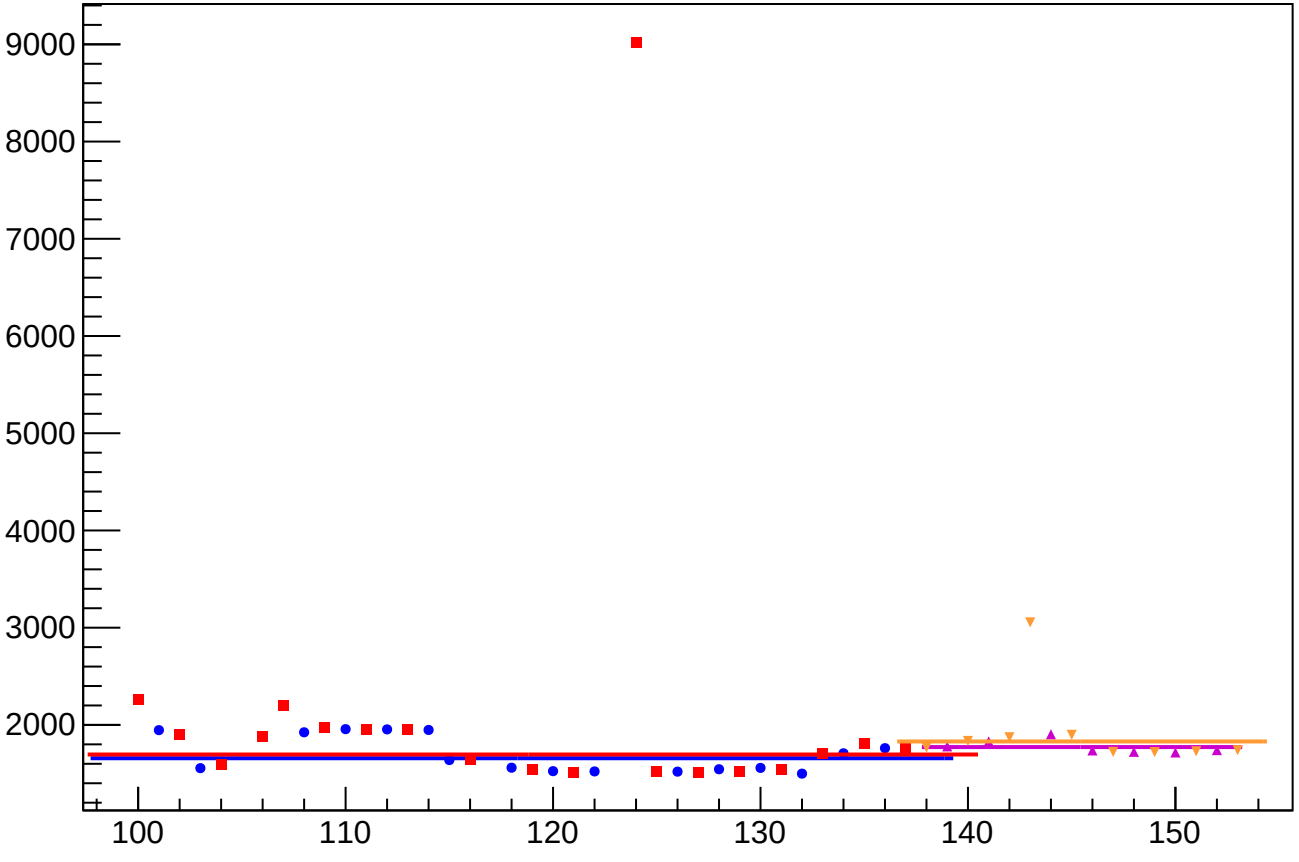
In: 0.000+/-0.000 χ^2/NDF:5202321.5/22

Out: 0.000+/-0.000 χ^2/NDF:11521418.8/27

All: 0.000+/-0.000 χ^2/NDF: 21373405.1/50


reg_asym_atl_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
Right In: 4.373+/-619.905 χ²/NDF: 12.4/15
Left Out: 905.299+/-697.468 χ²/NDF:17.7/8
Right Out: -384.758+/-633.682 χ²/NDF: 24.1/18
Left In: -436.385+/-715.657 χ²/NDF:1.9/6
Left: 251.723+/-499.491 χ²/NDF: 21.4/15
Right: -185.916+/-443.130 χ²/NDF: 36.7/34
In: -184.568+/-468.563 χ²/NDF:14.6/22
Out: 198.595+/-469.014 χ²/NDF:43.6/27
All: 6.829+/-331.483 χ²/NDF: 58.5/50

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1829.700+/-0.493 χ^2/NDF:290309.8/8

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

Left In: 1772.046+/-0.506 χ^2/NDF:14874.4/6

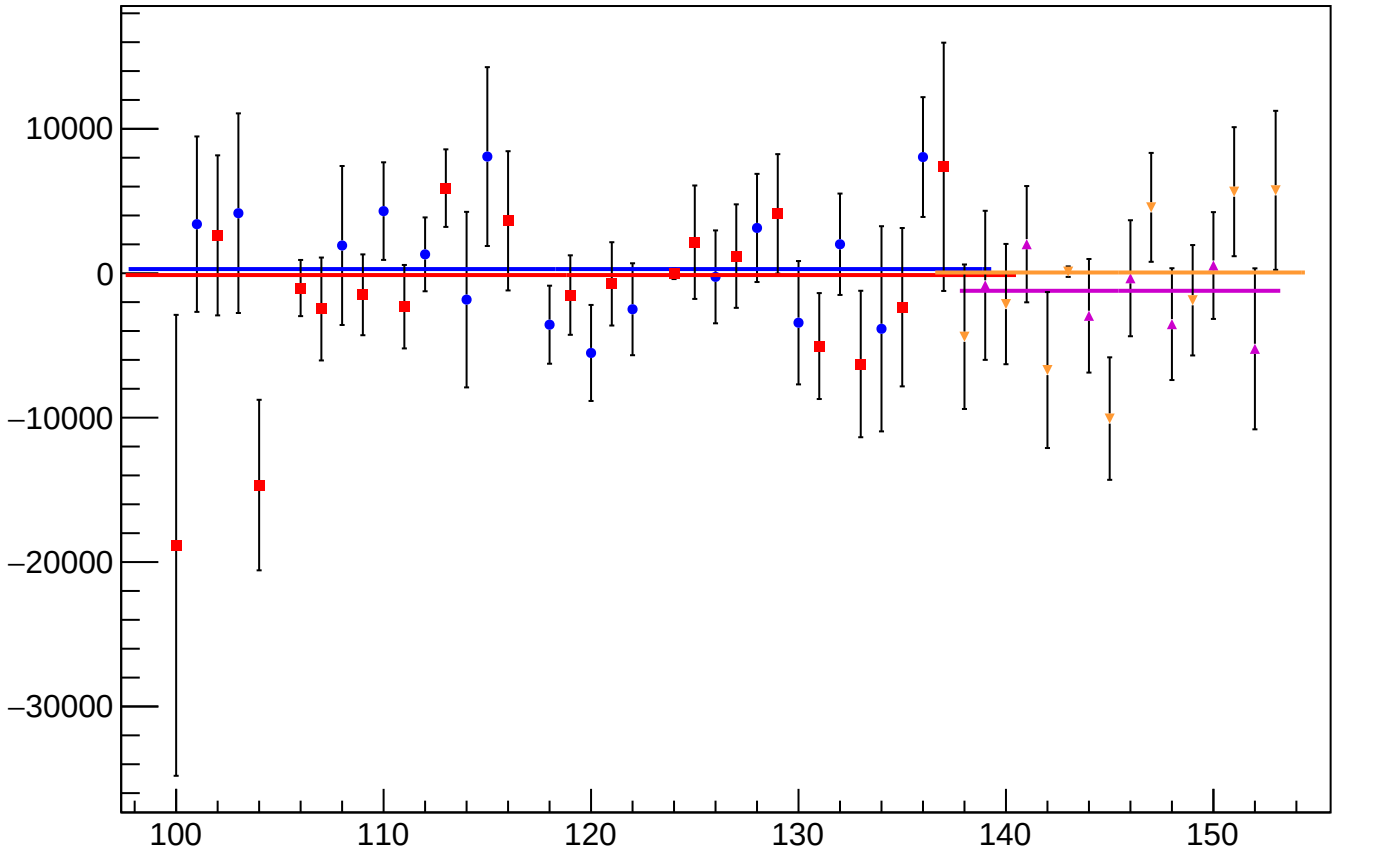
Left: 1801.615+/-0.353 χ^2/NDF: 311841.1/15

Right: 1676.049+/-0.313 χ^2/NDF: 533994.7/34

In: 1706.385+/-0.331 χ^2/NDF:188325.0/22

Out: 1755.959+/-0.331 χ^2/NDF:717166.3/27

All: 1731.211+/-0.234 χ^2/NDF: 916702.6/50



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: 51.784+/-354.629 χ^2/NDF:12.7/8

Right Out: -125.586+/-323.715 χ^2/NDF: 20.8/18

Left In: -1215.577+/-1585.325 χ^2/NDF:2.0/6

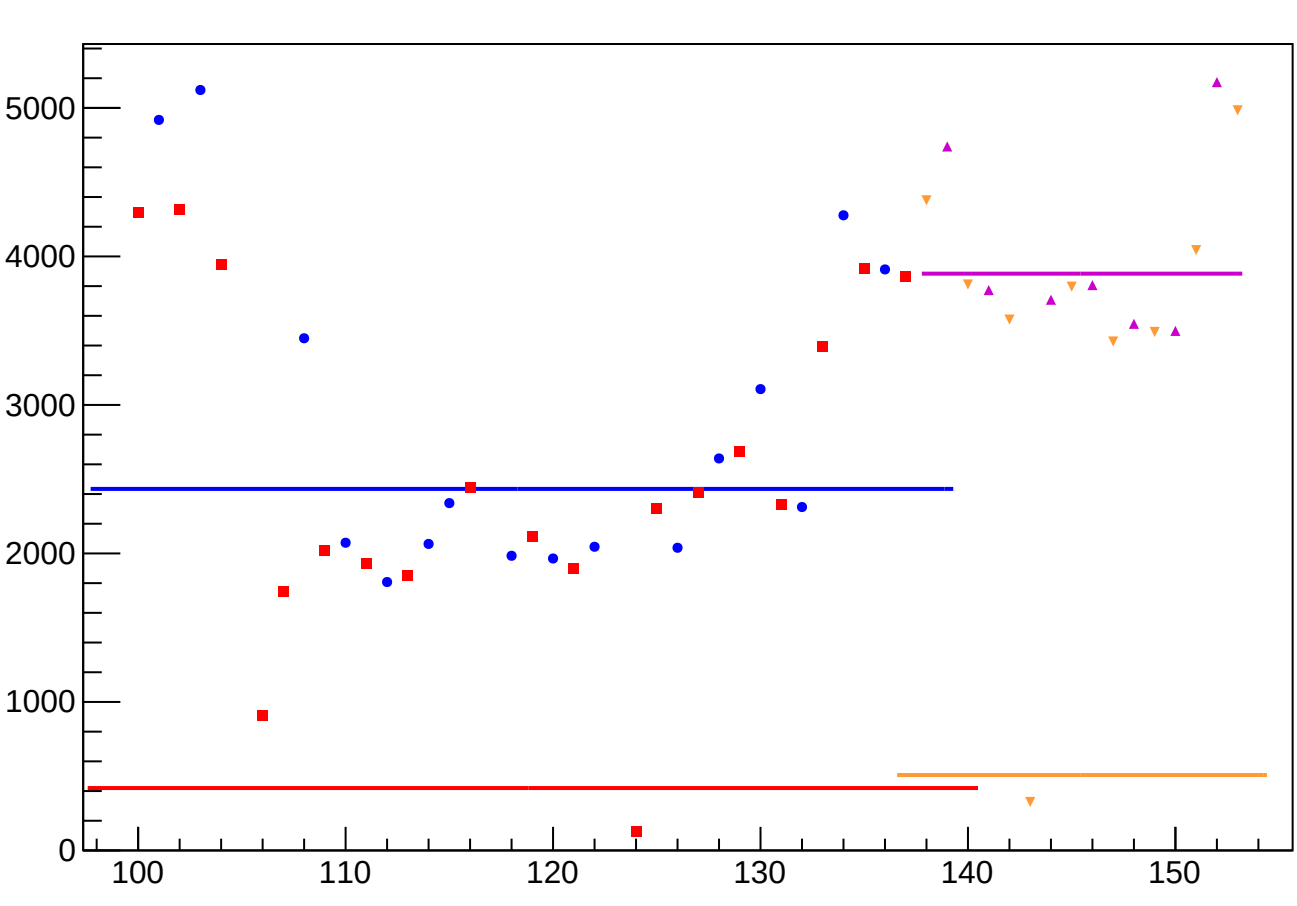
Left: -8.612+/-346.076 χ^2/NDF: 15.3/15

Right: -83.316+/-306.780 χ^2/NDF: 36.2/34

In: -115.158+/-821.844 χ^2/NDF:17.9/22

Out: -44.968+/-239.084 χ^2/NDF:33.6/27

All: -50.444+/-229.567 χ^2/NDF: 51.5/50



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 507.888+/-0.251 χ^2/NDF:9788826.9/8

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

Left In: 3884.030+/-1.121 χ^2/NDF:205311.8/6

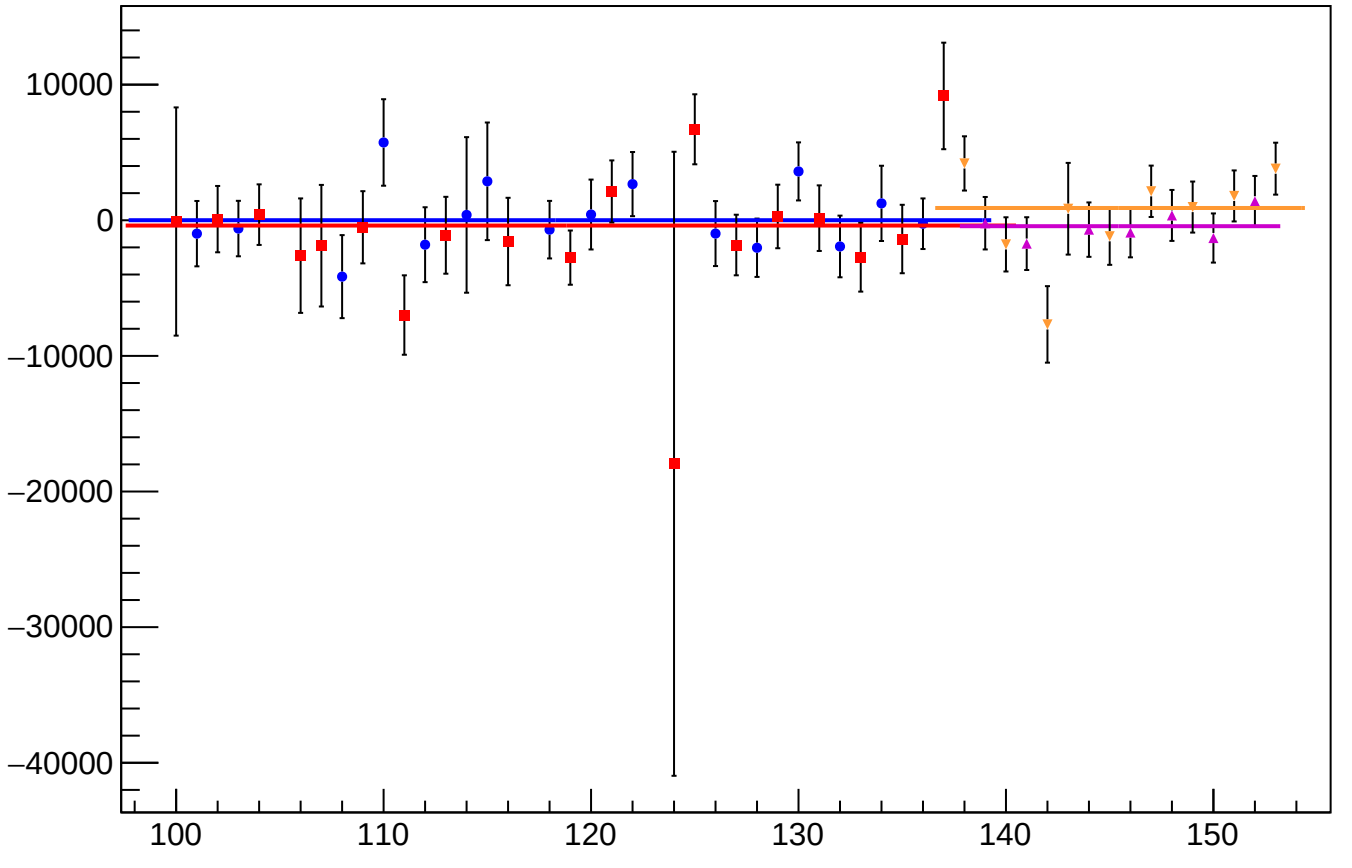
Left: 668.777+/-0.245 χ^2/NDF: 18632452.0/15

Right: 625.534+/-0.217 χ^2/NDF: 20412045.5/34

In: 2824.124+/-0.581 χ^2/NDF:2885563.7/22

Out: 460.106+/-0.169 χ^2/NDF:20919362.7/27

All: 644.562+/-0.162 χ^2/NDF: 39061983.0/50



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 905.143+/-697.468 χ^2/NDF:17.7/8

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -436.373+/-715.657 χ^2/NDF:1.9/6

Left: 251.649+/-499.491 χ^2/NDF: 21.4/15

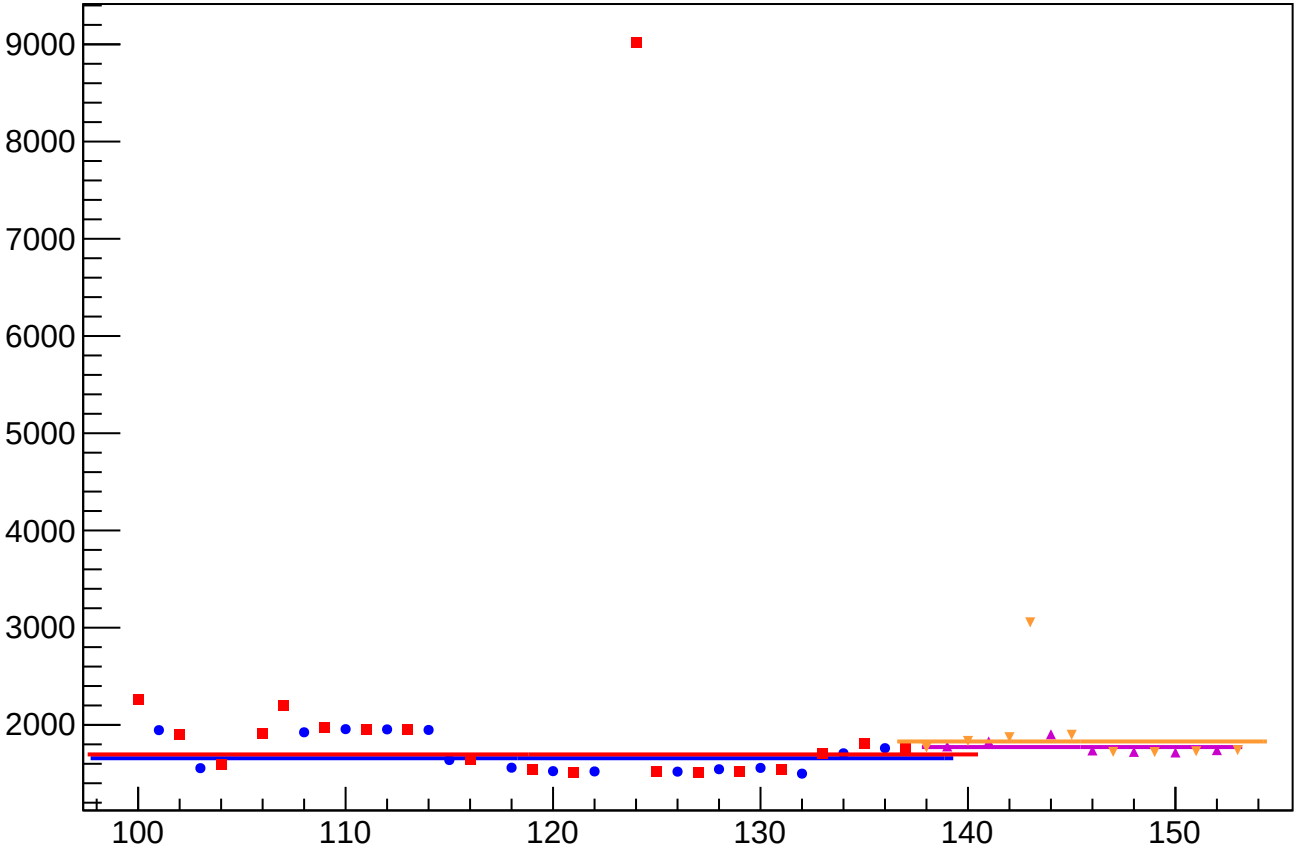
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -184.608+/-468.563 χ^2/NDF:14.6/22

Out: 196.177+/-469.016 χ^2/NDF:43.6/27

All: 5.601+/-331.484 χ^2/NDF: 58.5/50

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1829.700+/-0.493 χ^2/NDF:290309.8/8

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1772.046+/-0.506 χ^2/NDF:14874.4/6

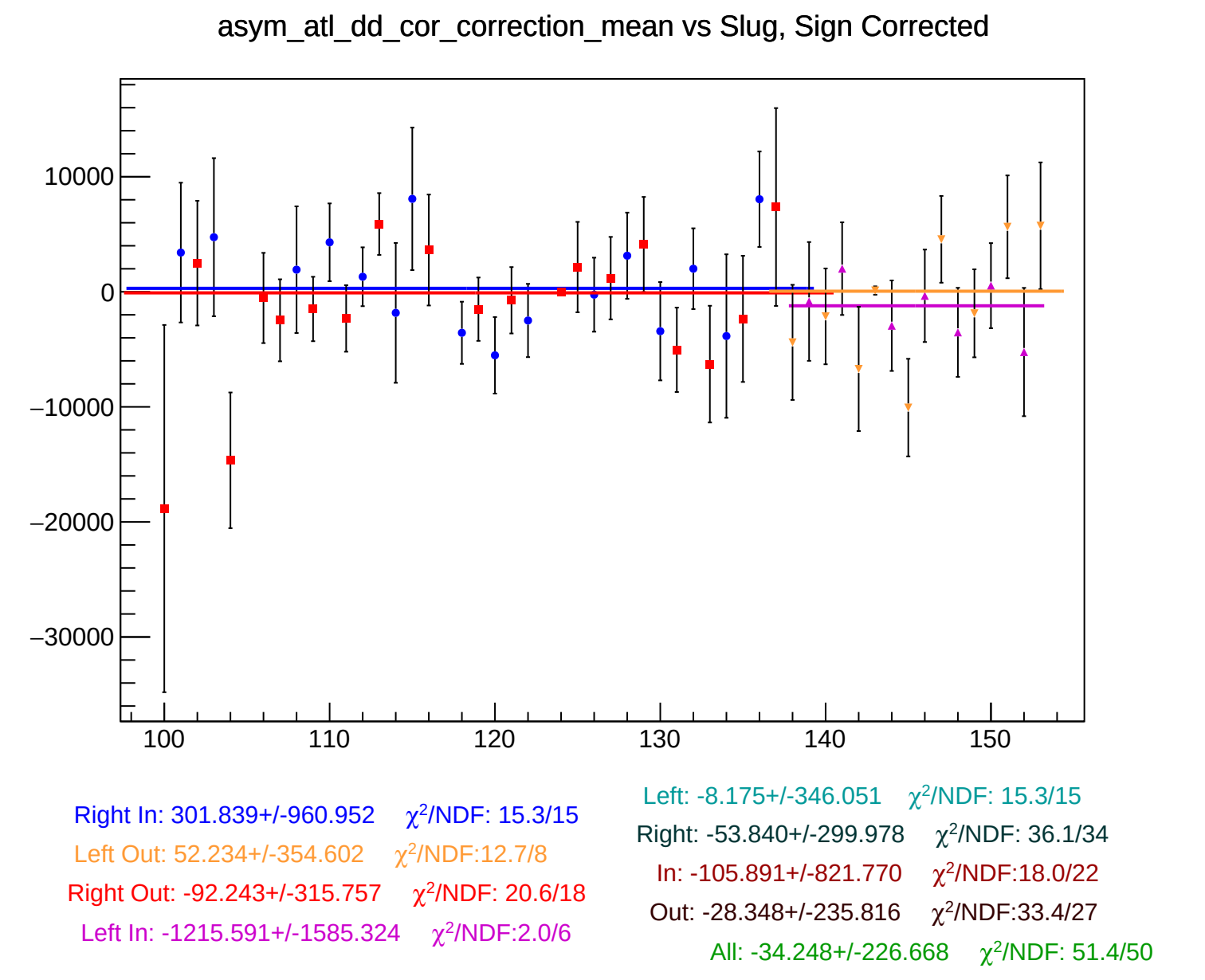
Left: 1801.615+/-0.353 χ^2/NDF: 311841.1/15

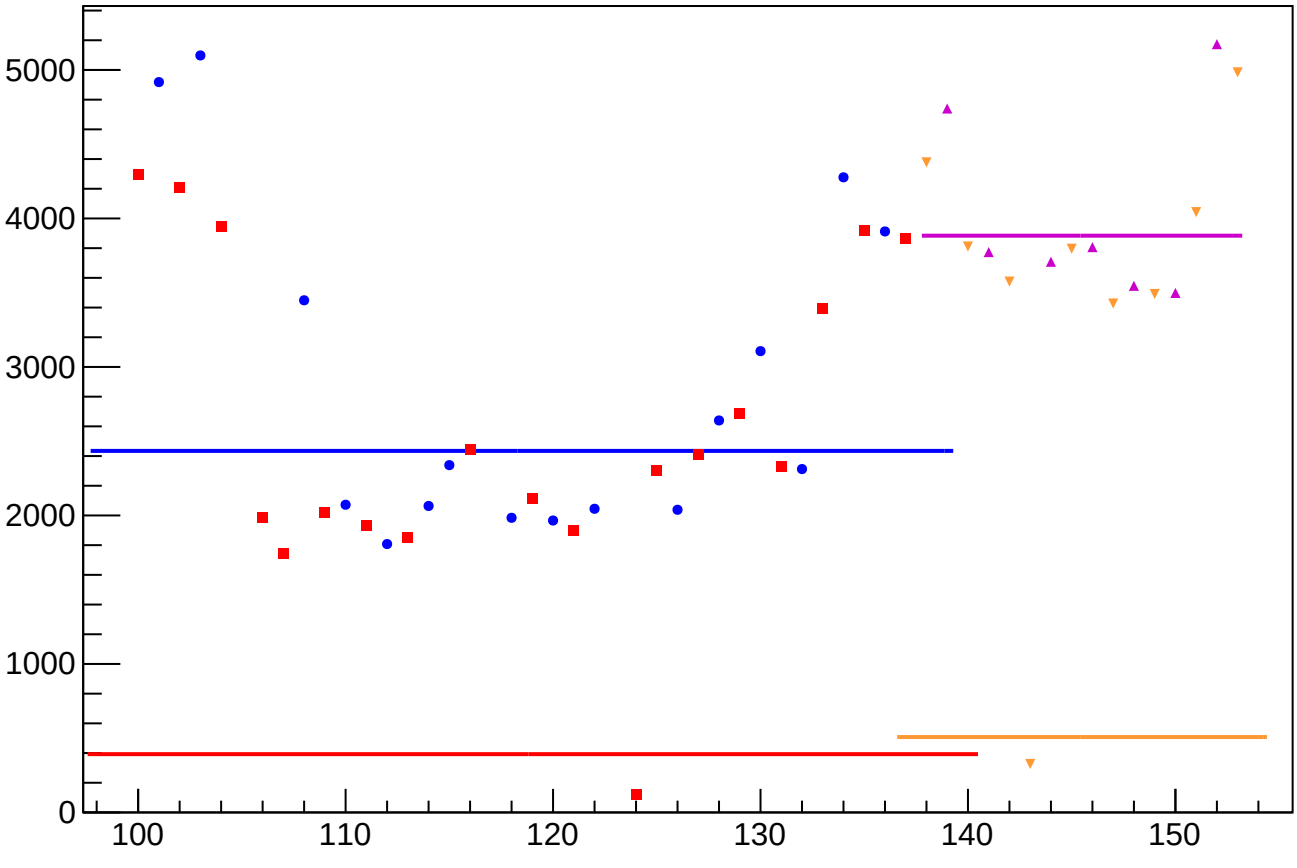
Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1706.385+/-0.331 χ^2/NDF:188325.1/22

Out: 1756.428+/-0.331 χ^2/NDF:718427.5/27

All: 1731.439+/-0.234 χ^2/NDF: 918173.7/50


asym_atl_dd_cor_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
Right In: 301.839+/-960.952 χ²/NDF: 15.3/15
Left Out: 52.234+/-354.602 χ²/NDF:12.7/8
Right Out: -92.243+/-315.757 χ²/NDF: 20.6/18
Left In: -1215.591+/-1585.324 χ²/NDF:2.0/6
Left: -8.175+/-346.051 χ²/NDF: 15.3/15
Right: -53.840+/-299.978 χ²/NDF: 36.1/34
In: -105.891+/-821.770 χ²/NDF:18.0/22
Out: -28.348+/-235.816 χ²/NDF:33.4/27
All: -34.248+/-226.668 χ²/NDF: 51.4/50



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 507.833+/-0.251 χ^2/NDF:9789057.7/8

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 3884.027+/-1.121 χ^2/NDF:205307.6/6

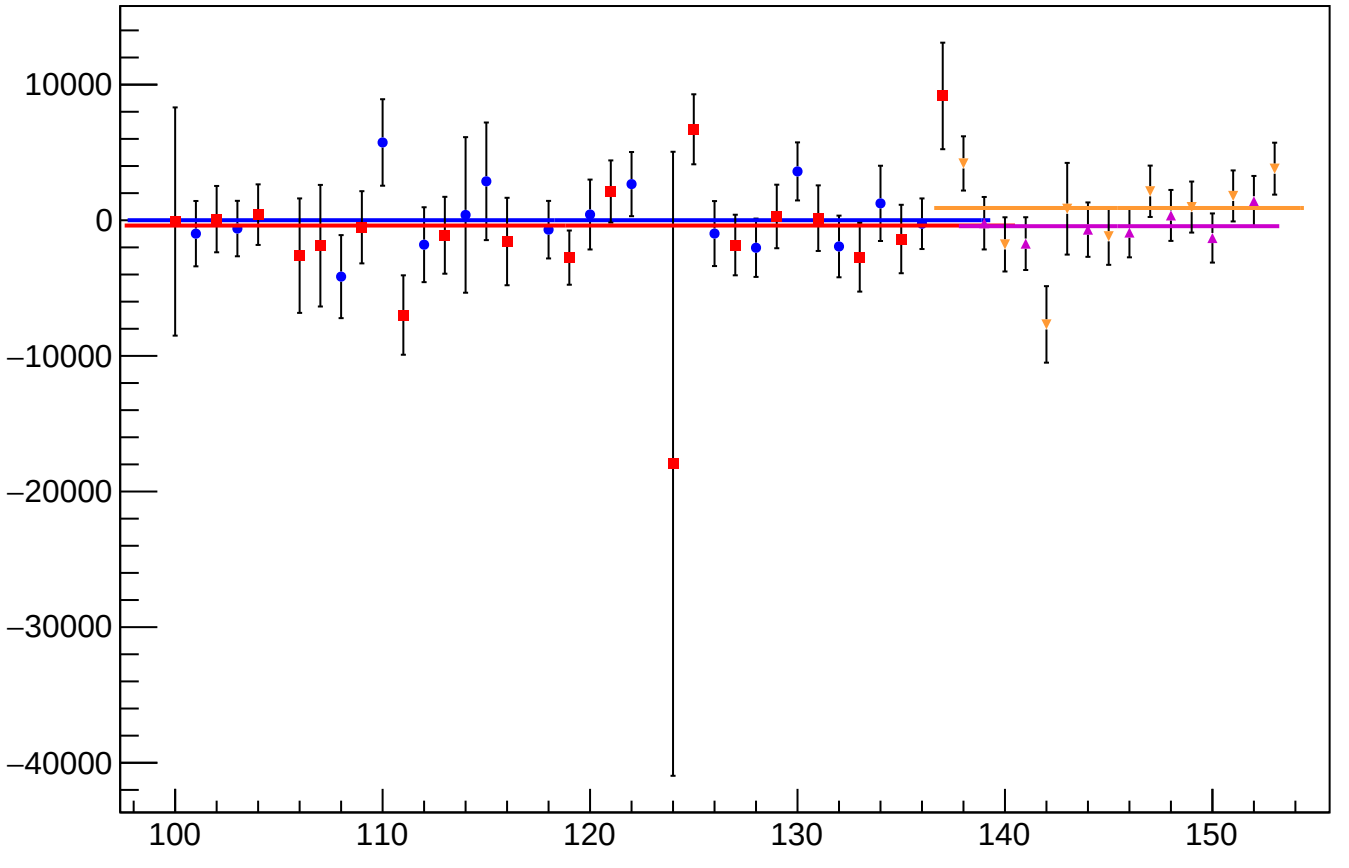
Left: 668.702+/-0.245 χ^2/NDF: 18633021.8/15

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 2824.174+/-0.581 χ^2/NDF:2883665.5/22

Out: 443.598+/-0.167 χ^2/NDF:21314730.1/27

All: 624.717+/-0.160 χ^2/NDF: 39705368.5/50



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 905.143+/-697.468 χ^2/NDF:17.7/8

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -436.373+/-715.657 χ^2/NDF:1.9/6

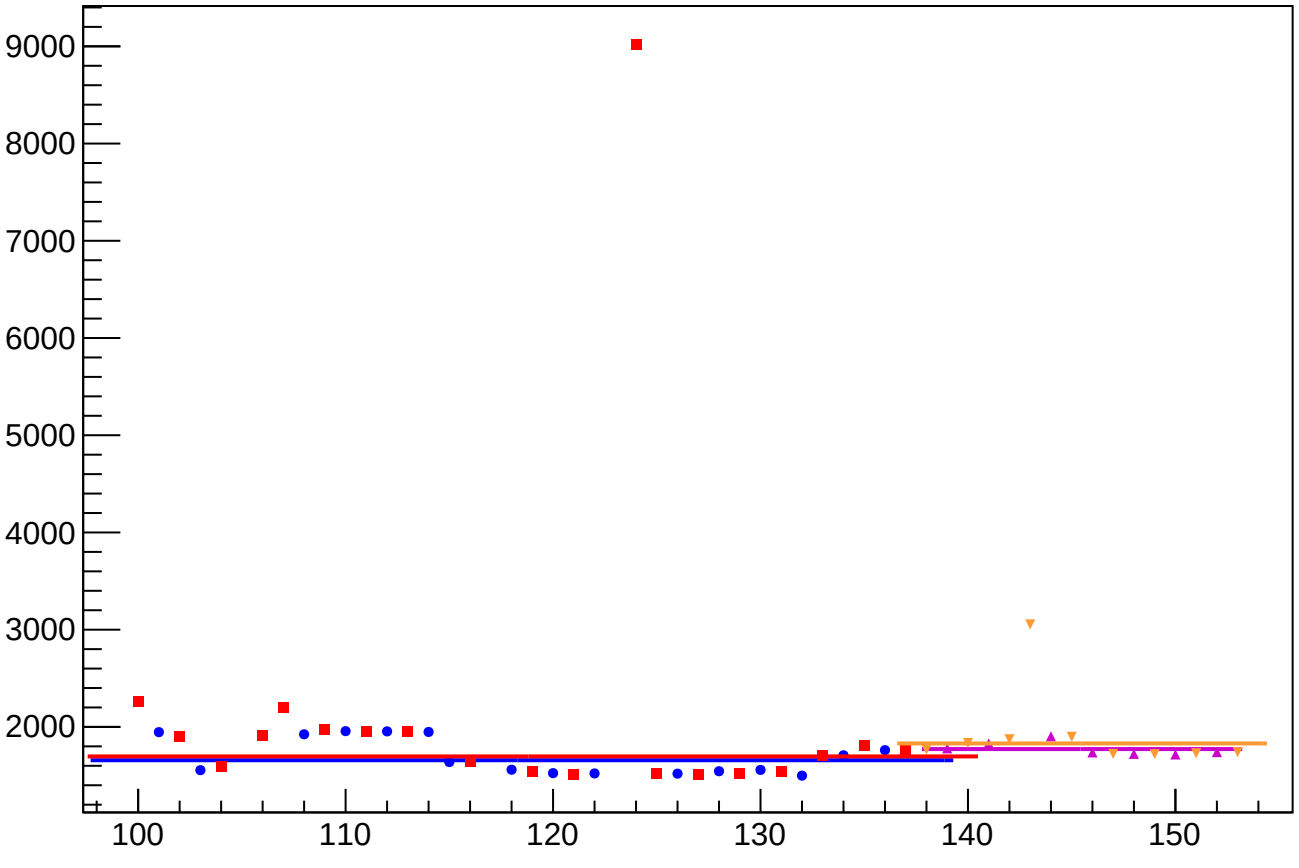
Left: 251.649+/-499.491 χ^2/NDF: 21.4/15

Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -184.608+/-468.563 χ^2/NDF:14.6/22

Out: 196.177+/-469.016 χ^2/NDF:43.6/27

All: 5.601+/-331.484 χ^2/NDF: 58.5/50



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1829.700+/-0.493 χ^2/NDF:290309.8/8

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1772.046+/-0.506 χ^2/NDF:14874.4/6

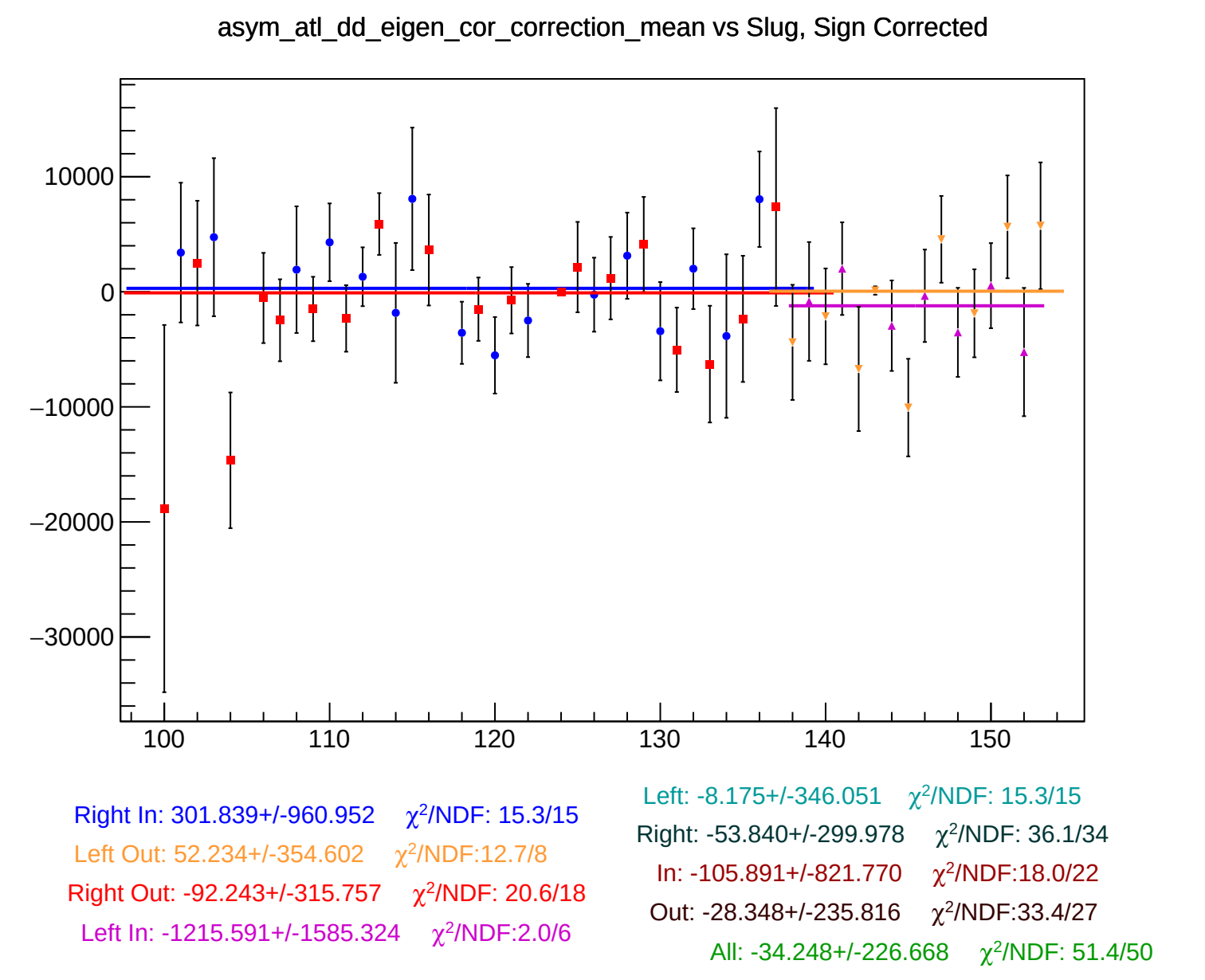
Left: 1801.615+/-0.353 χ^2/NDF: 311841.1/15

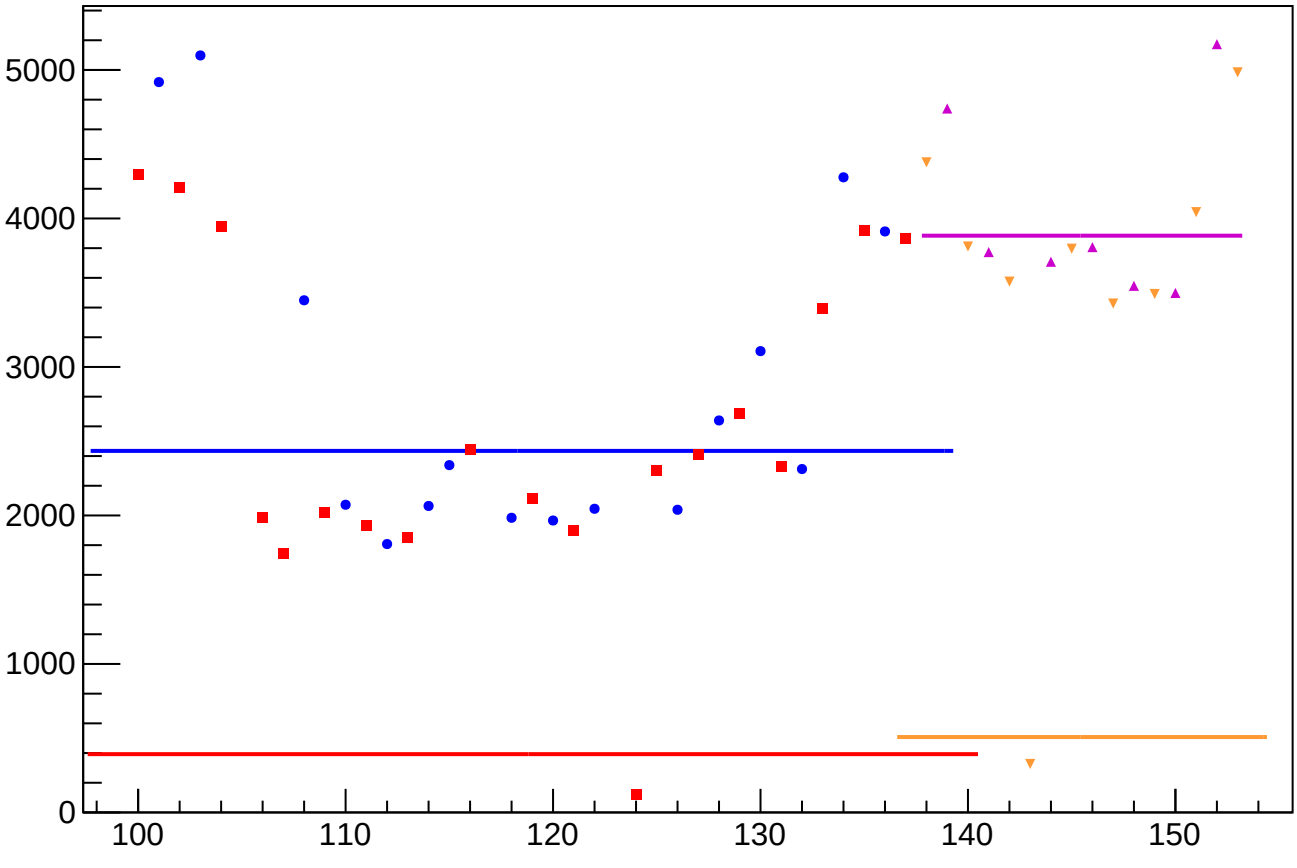
Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1706.385+/-0.331 χ^2/NDF:188325.1/22

Out: 1756.428+/-0.331 χ^2/NDF:718427.5/27

All: 1731.439+/-0.234 χ^2/NDF: 918173.7/50


asym_atl_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
Right In: 301.839+/-960.952 χ²/NDF: 15.3/15
Left Out: 52.234+/-354.602 χ²/NDF:12.7/8
Right Out: -92.243+/-315.757 χ²/NDF: 20.6/18
Left In: -1215.591+/-1585.324 χ²/NDF:2.0/6
Left: -8.175+/-346.051 χ²/NDF: 15.3/15
Right: -53.840+/-299.978 χ²/NDF: 36.1/34
In: -105.891+/-821.770 χ²/NDF:18.0/22
Out: -28.348+/-235.816 χ²/NDF:33.4/27
All: -34.248+/-226.668 χ²/NDF: 51.4/50



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 507.833+/-0.251 χ^2/NDF:9789057.7/8

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 3884.027+/-1.121 χ^2/NDF:205307.6/6

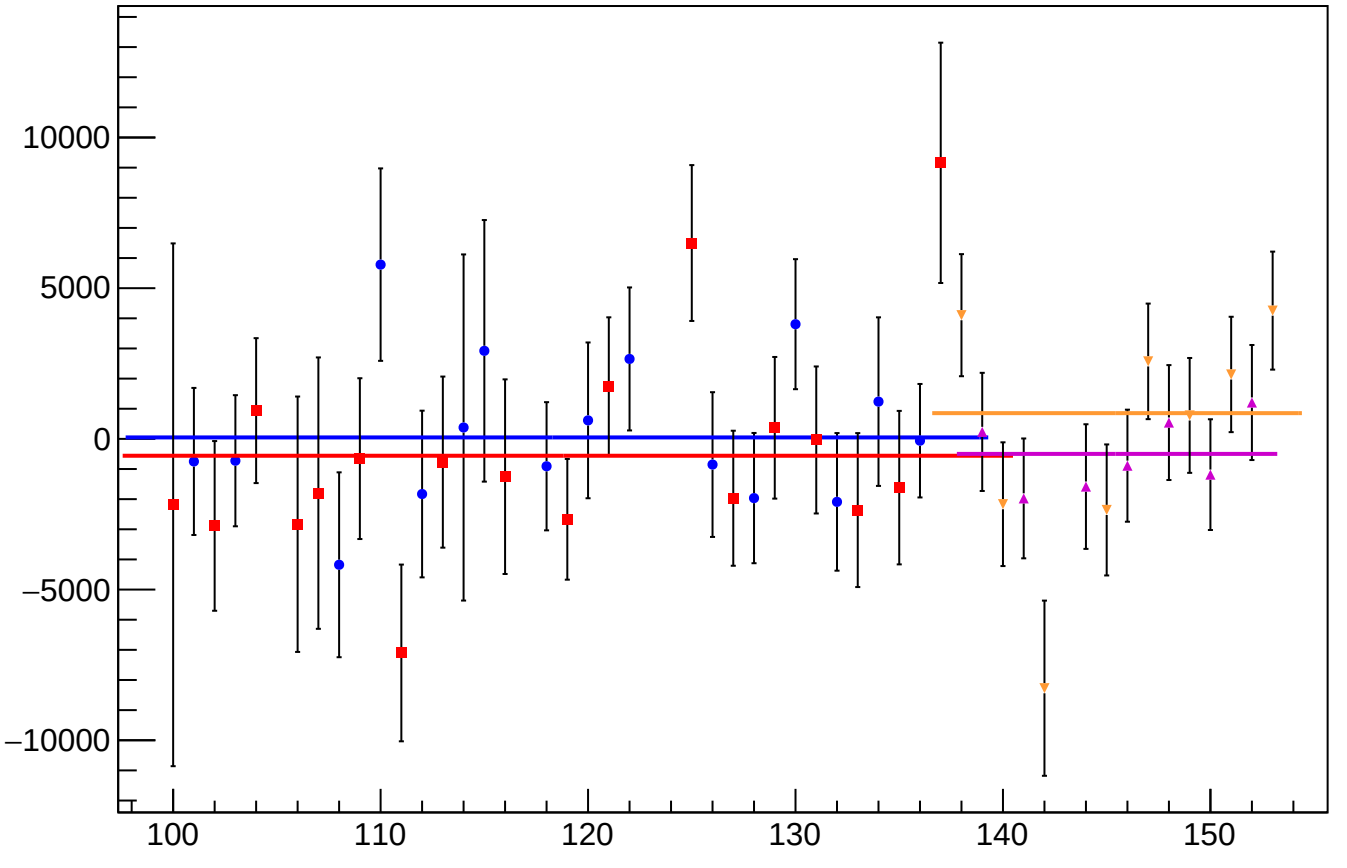
Left: 668.702+/-0.245 χ^2/NDF: 18633021.8/15

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 2824.174+/-0.581 χ^2/NDF:2883665.5/22

Out: 443.598+/-0.167 χ^2/NDF:21314730.1/27

All: 624.717+/-0.160 χ^2/NDF: 39705368.5/50



Right In: 48.331+/-626.151 χ^2/NDF: 12.8/15

Left Out: 853.864+/-726.951 χ^2/NDF:21.1/7

Right Out: -559.598+/-645.291 χ^2/NDF: 23.3/17

Left In: -498.337+/-728.856 χ^2/NDF:2.2/6

Left: 179.534+/-514.704 χ^2/NDF: 25.0/14

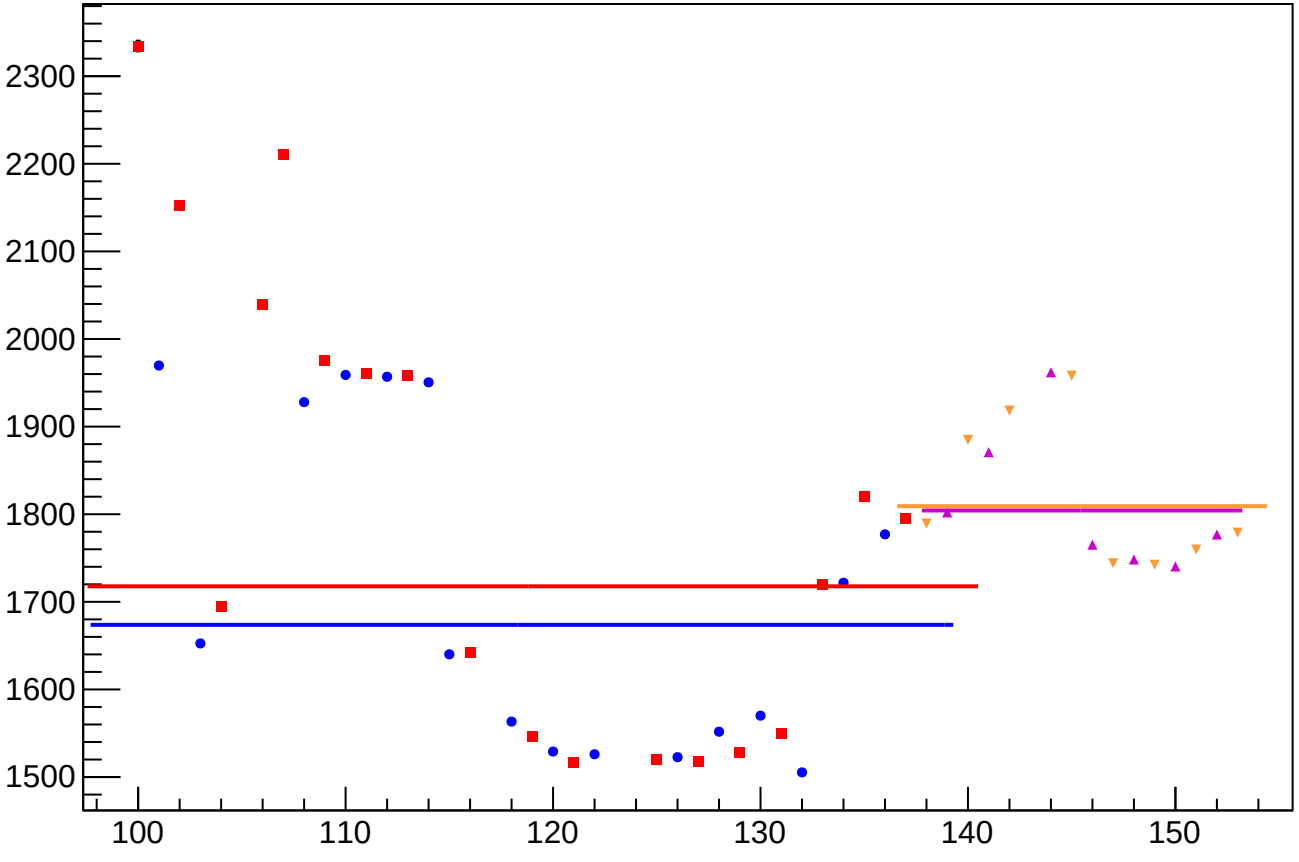
Right: -246.484+/-449.370 χ^2/NDF: 36.5/33

In: -183.804+/-474.953 χ^2/NDF:15.4/22

Out: 63.317+/-482.589 χ^2/NDF:46.4/25

All: -62.214+/-338.510 χ^2/NDF: 62.0/48

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1809.198+/-0.514 χ^2/NDF:21715.3/7

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

Left In: 1804.299+/-0.515 χ^2/NDF:19304.0/6

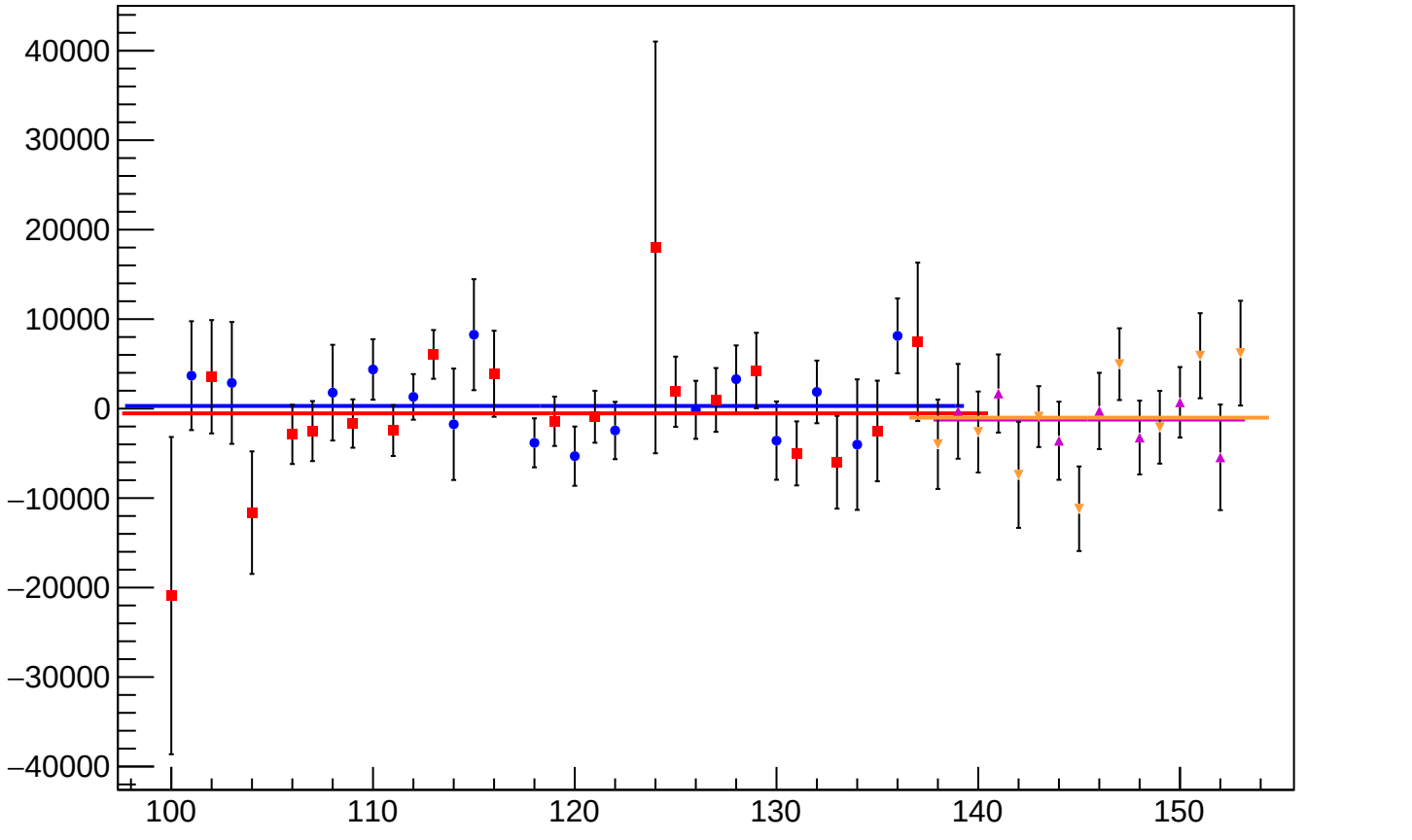
Left: 1806.755+/-0.364 χ^2/NDF: 41064.6/14

Right: 1695.110+/-0.317 χ^2/NDF: 373312.6/33

In: 1729.174+/-0.336 χ^2/NDF:197107.3/22

Out: 1757.926+/-0.341 χ^2/NDF:267109.3/25

All: 1743.339+/-0.239 χ^2/NDF: 467827.8/48



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: -1012.180+/-1499.790 χ^2/NDF:12.2/8

Right Out: -531.007+/-883.969 χ^2/NDF: 18.8/18

Left In: -1227.077+/-1696.631 χ^2/NDF:1.8/6

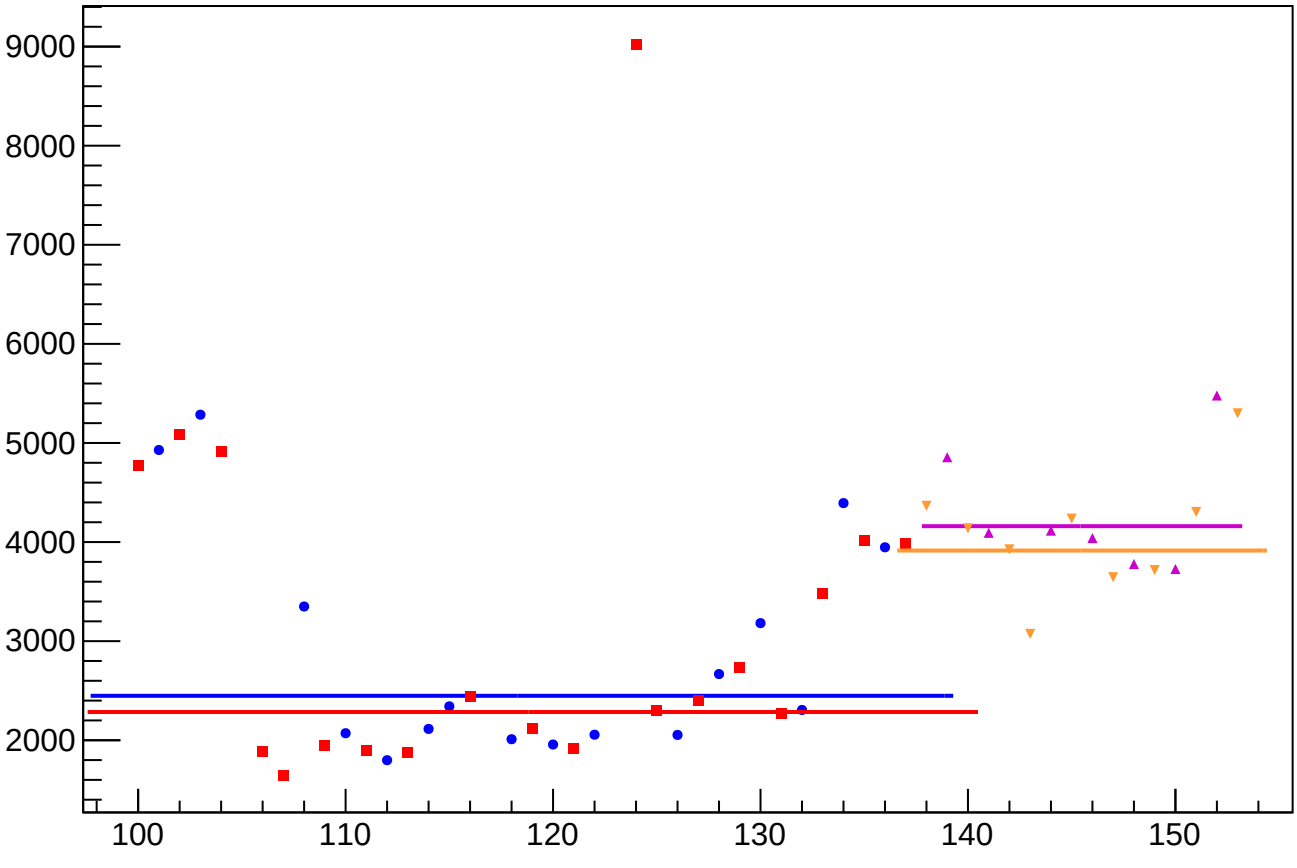
Left: -1106.445+/-1123.691 χ^2/NDF: 14.0/15

Right: -153.305+/-651.728 χ^2/NDF: 34.4/34

In: -75.707+/-838.600 χ^2/NDF:17.7/22

Out: -655.064+/-761.537 χ^2/NDF:31.0/27

All: -393.223+/-563.768 χ^2/NDF: 49.0/50



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 3914.488+/-1.061 χ^2/NDF:291879.2/8

Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

Left In: 4160.316+/-1.200 χ^2/NDF:177788.2/6

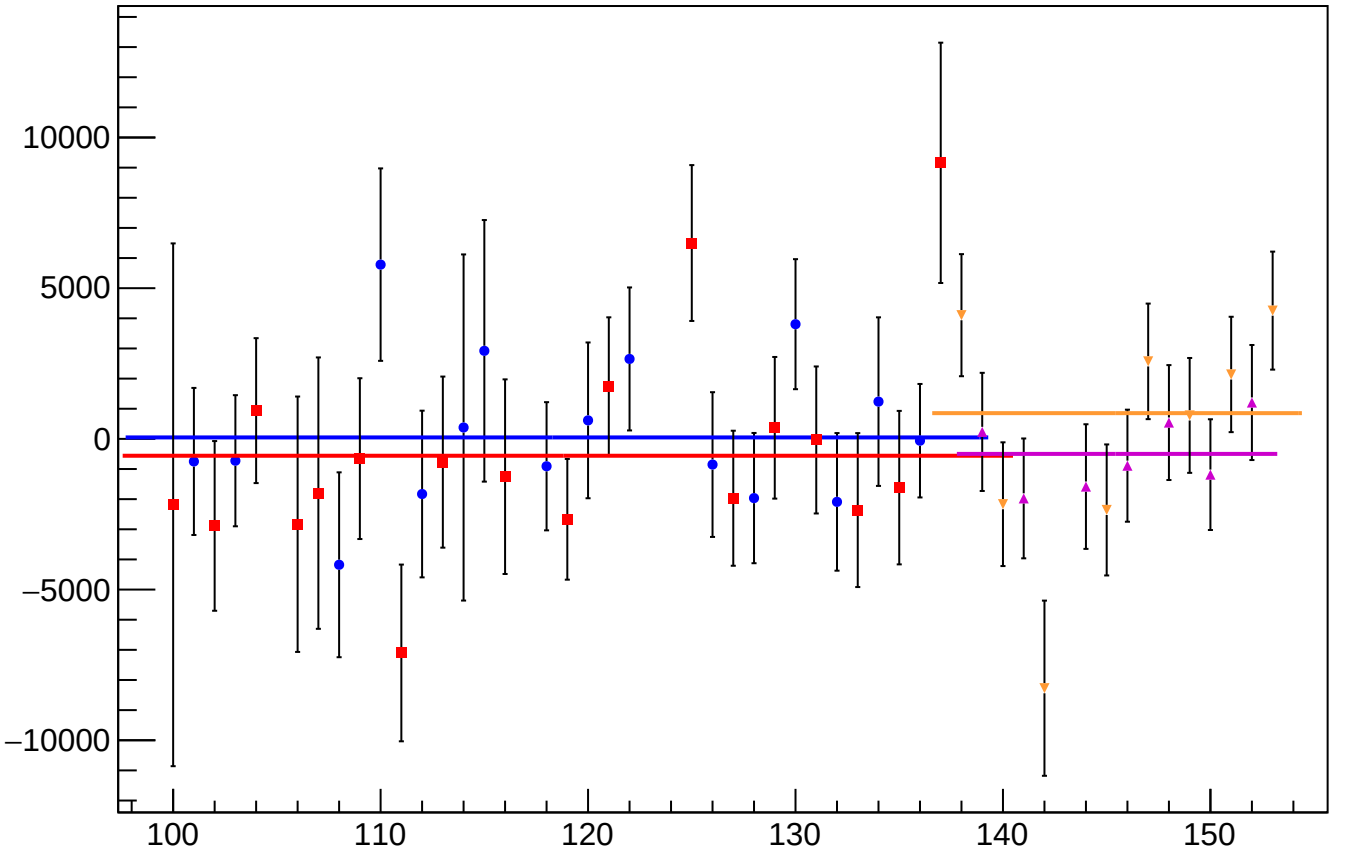
Left: 4022.321+/-0.795 χ^2/NDF: 493237.1/15

Right: 2359.711+/-0.461 χ^2/NDF: 3097643.0/34

In: 2866.782+/-0.593 χ^2/NDF:3233759.9/22

Out: 2705.174+/-0.538 χ^2/NDF:3592719.7/27

All: 2778.213+/-0.399 χ^2/NDF: 6867186.0/50



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: 853.860+/-726.951 χ^2/NDF:21.1/7

Right Out: -559.600+/-645.291 χ^2/NDF: 23.3/17

Left In: -498.339+/-728.857 χ^2/NDF:2.2/6

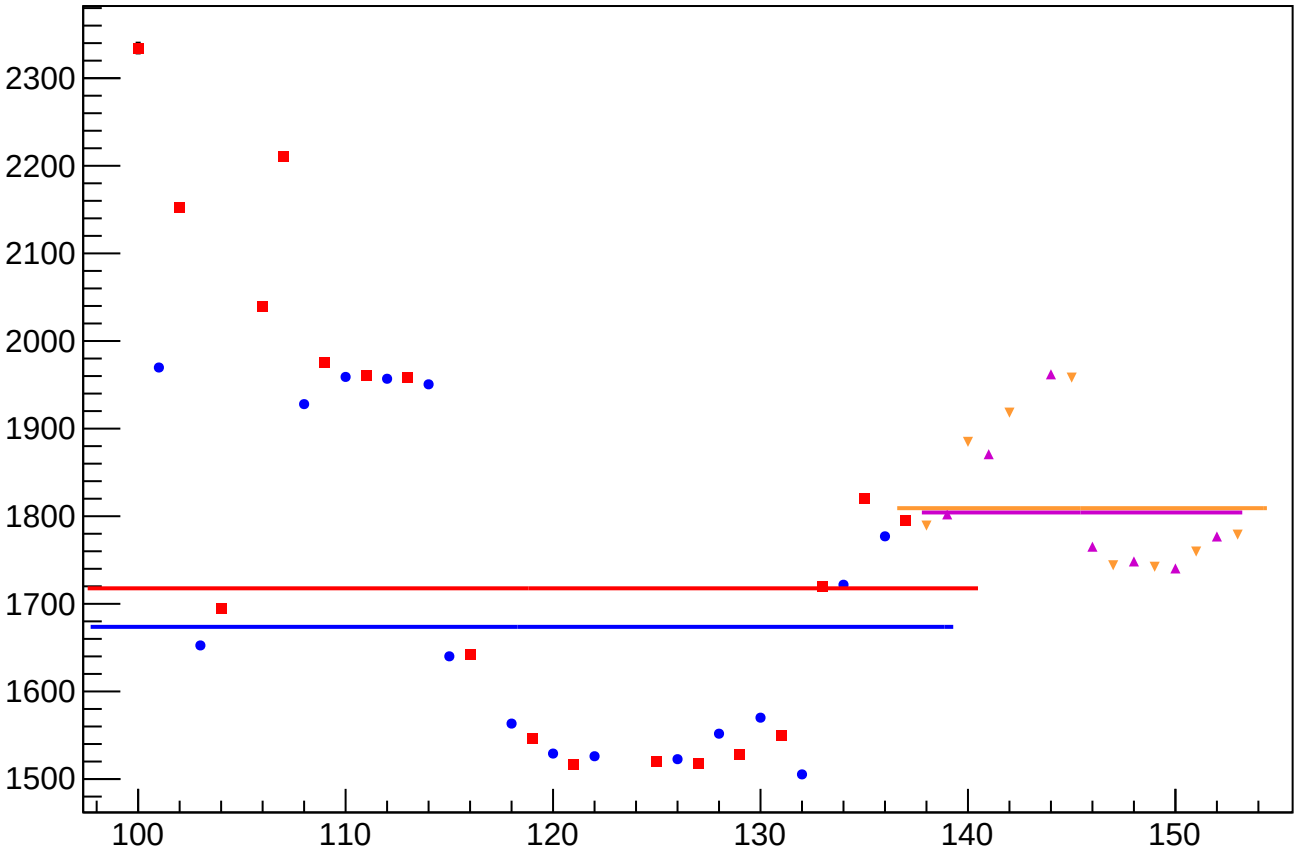
Left: 179.530+/-514.704 χ^2/NDF: 25.0/14

Right: -246.486+/-449.370 χ^2/NDF: 36.5/33

In: -183.806+/-474.953 χ^2/NDF:15.4/22

Out: 63.314+/-482.589 χ^2/NDF:46.4/25

All: -62.217+/-338.510 χ^2/NDF: 62.0/48



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1809.199+/-0.514 χ^2/NDF:21715.8/7

Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

Left In: 1804.300+/-0.515 χ^2/NDF:19304.2/6

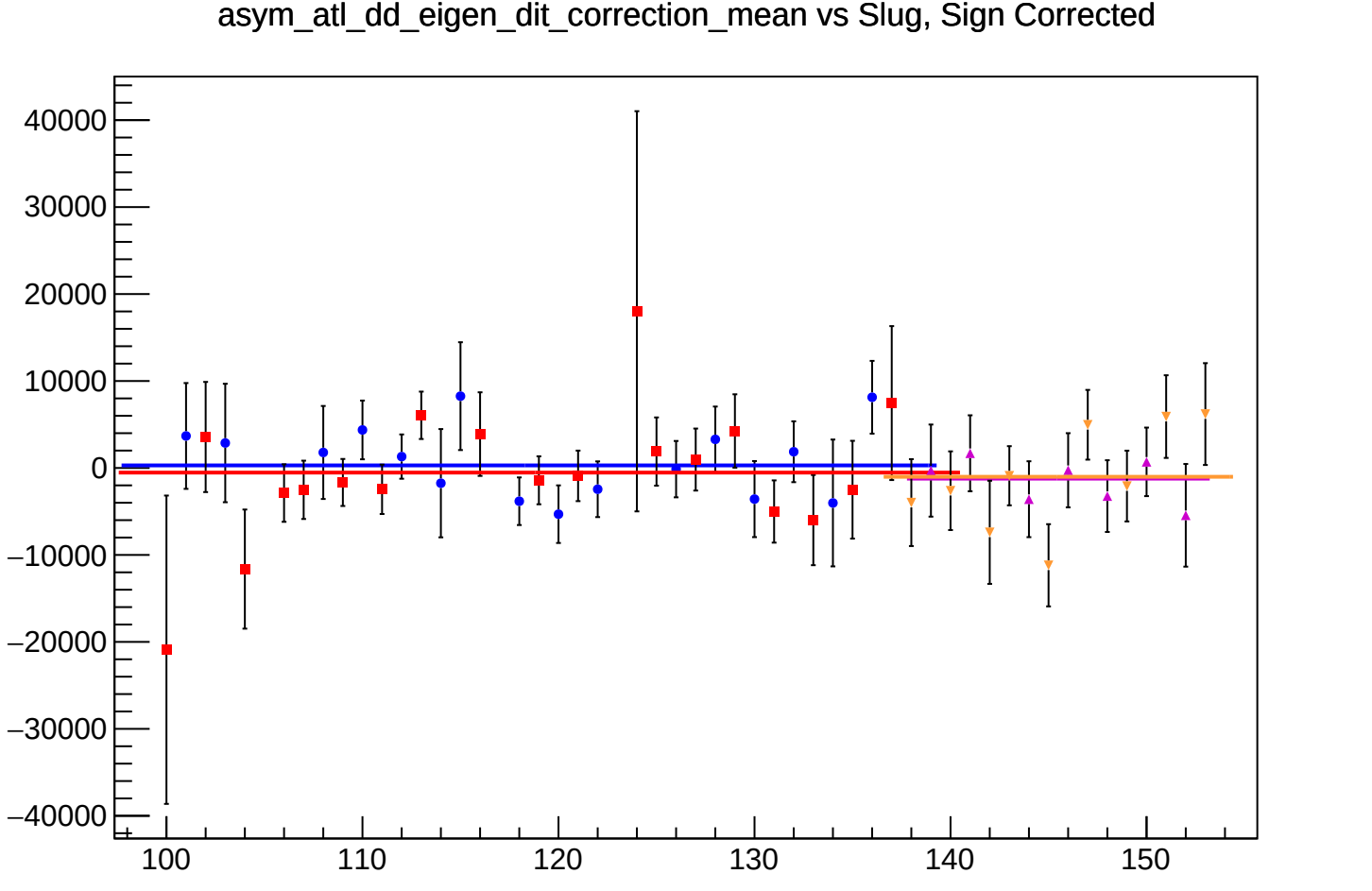
Left: 1806.756+/-0.364 χ^2/NDF: 41065.3/14

Right: 1695.110+/-0.317 χ^2/NDF: 373311.9/33

In: 1729.174+/-0.336 χ^2/NDF:197108.1/22

Out: 1757.927+/-0.341 χ^2/NDF:267109.4/25

All: 1743.340+/-0.239 χ^2/NDF: 467828.6/48



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: -1012.177+/-1499.791 χ^2/NDF:12.2/8

Right Out: -531.009+/-883.966 χ^2/NDF: 18.8/18

Left In: -1227.079+/-1696.634 χ^2/NDF:1.8/6

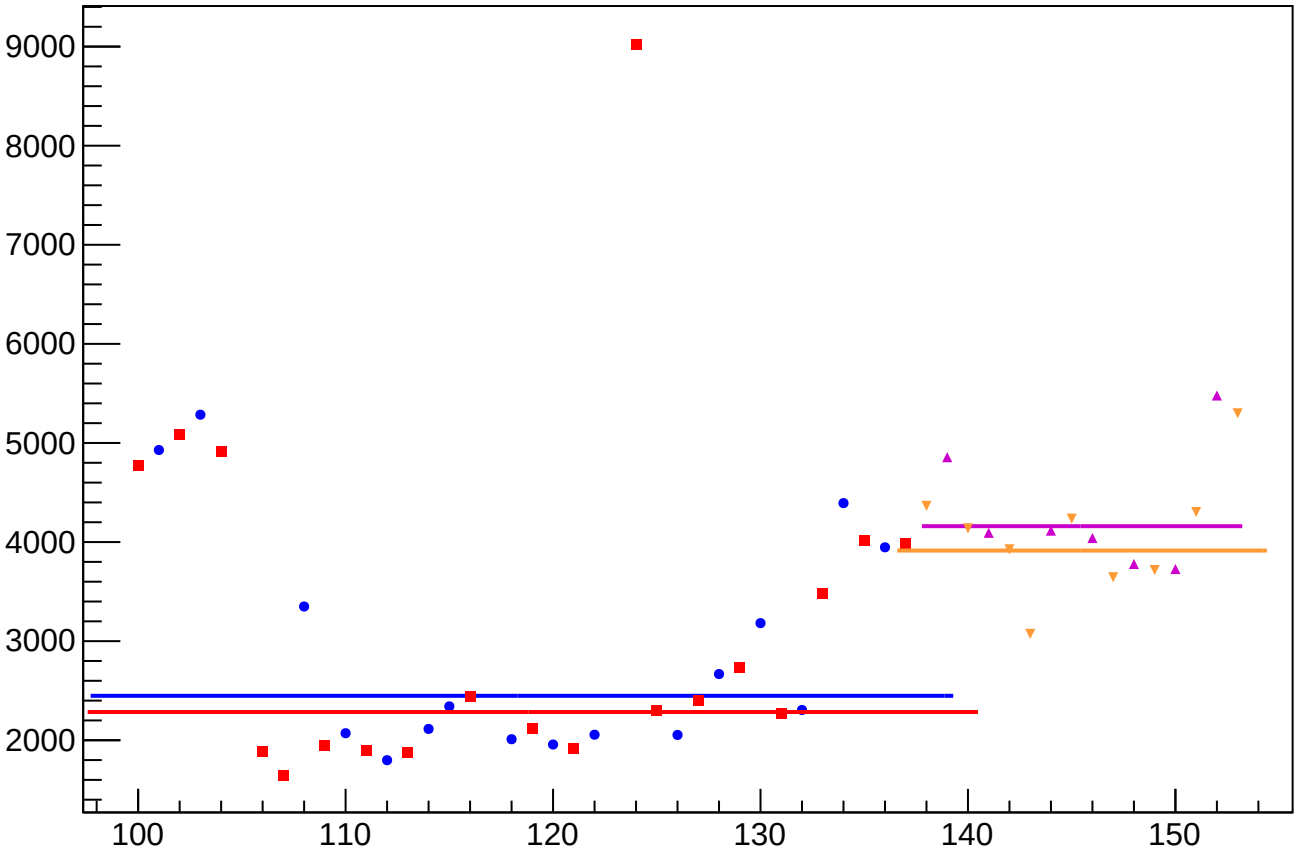
Left: -1106.444+/-1123.692 χ^2/NDF: 14.0/15

Right: -153.308+/-651.726 χ^2/NDF: 34.4/34

In: -75.709+/-838.598 χ^2/NDF:17.7/22

Out: -655.064+/-761.535 χ^2/NDF:31.0/27

All: -393.224+/-563.767 χ^2/NDF: 49.0/50



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 3914.491+/-1.061 χ^2/NDF:291882.3/8

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

Left In: 4160.321+/-1.200 χ^2/NDF:177790.4/6

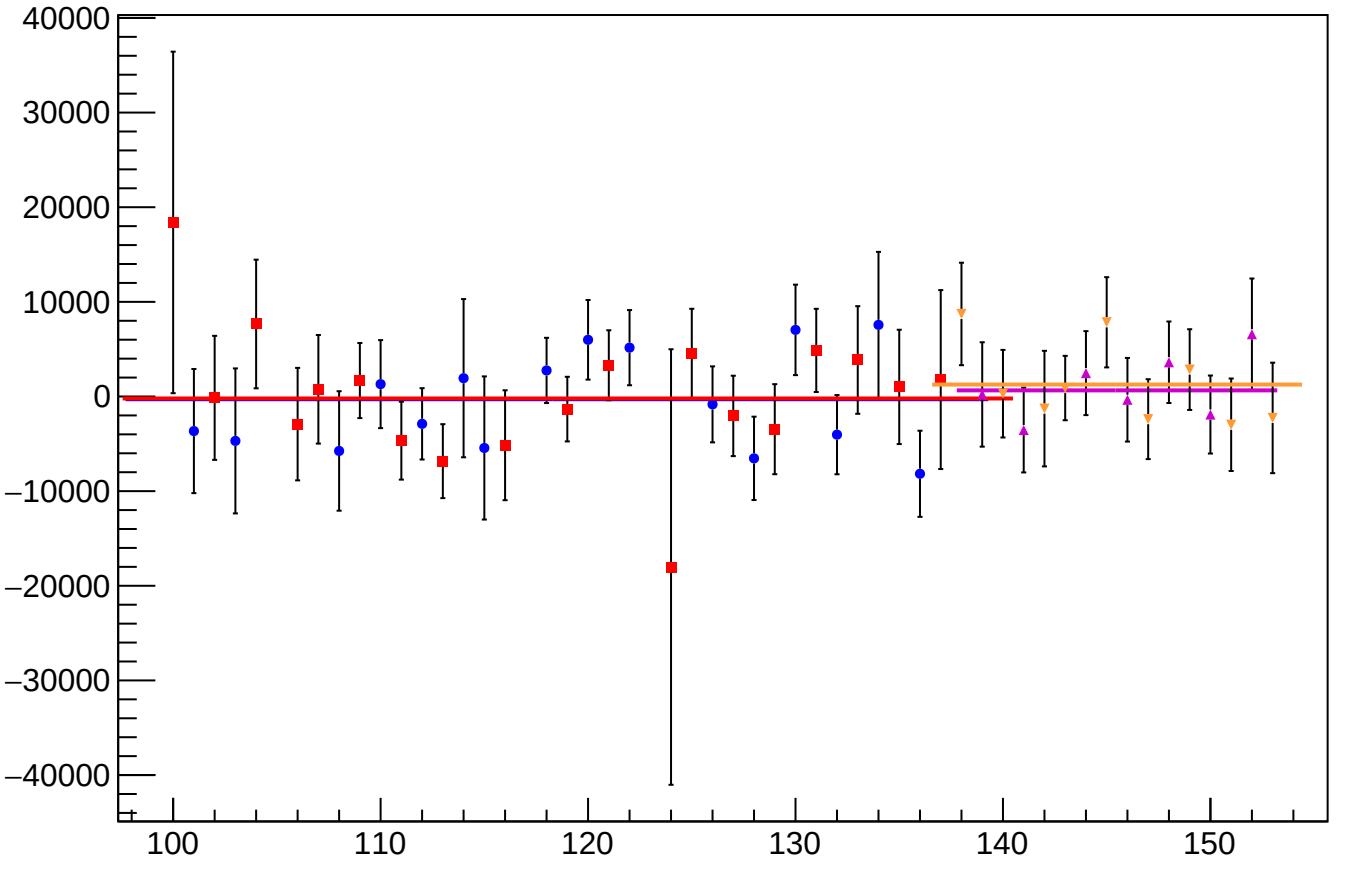
Left: 4022.325+/-0.795 χ^2/NDF: 493242.5/15

Right: 2359.701+/-0.461 χ^2/NDF: 3097663.3/34

In: 2866.771+/-0.593 χ^2/NDF:3233802.8/22

Out: 2705.166+/-0.538 χ^2/NDF:3592758.3/27

All: 2778.204+/-0.399 χ^2/NDF: 6867266.7/50



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: 1260.659+/-1542.265 χ^2/NDF:6.0/8

Right Out: -209.473+/-1153.742 χ^2/NDF: 12.9/18

Left In: 647.735+/-1750.500 χ^2/NDF:3.0/6

Left: 992.804+/-1157.200 χ^2/NDF: 9.1/15

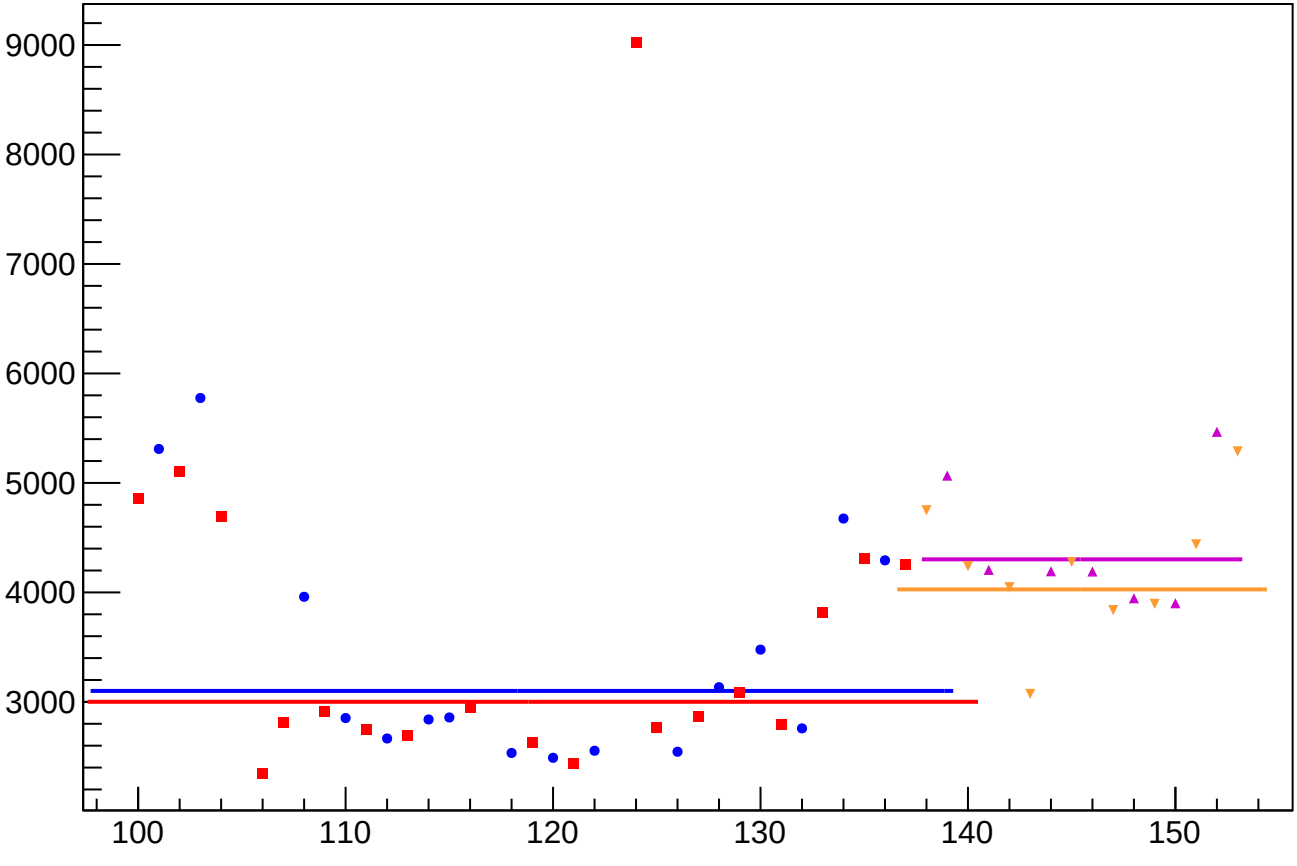
Right: -246.932+/-830.804 χ^2/NDF: 29.4/34

In: 10.743+/-988.270 χ^2/NDF:19.7/22

Out: 318.042+/-923.843 χ^2/NDF:19.5/27

All: 174.735+/-674.884 χ^2/NDF: 39.3/50

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 4027.570+/-1.091 χ^2/NDF:316317.6/8

Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4301.989+/-1.238 χ^2/NDF:152721.6/6

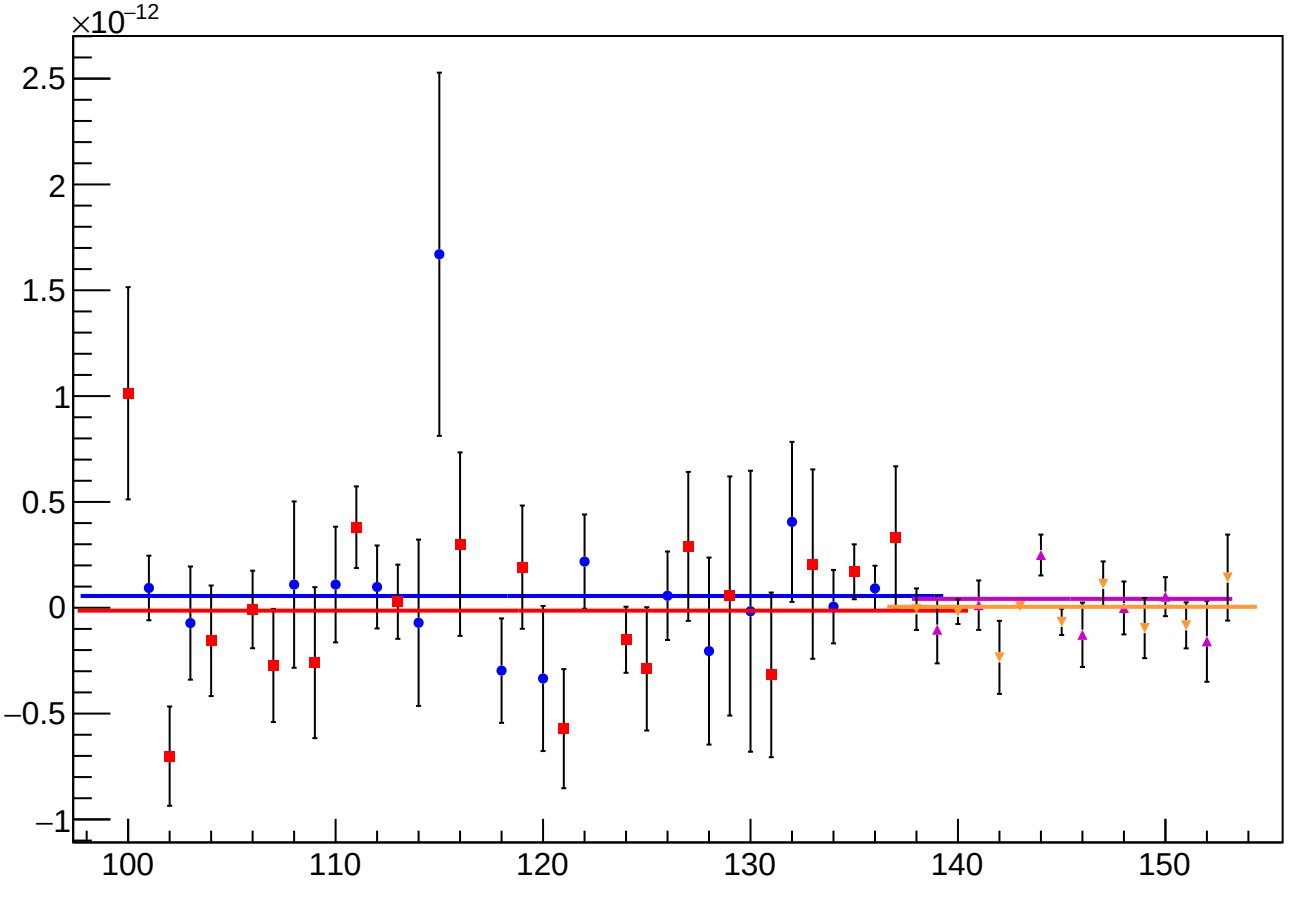
Left: 4147.494+/-0.818 χ^2/NDF: 496710.7/15

Right: 3047.926+/-0.583 χ^2/NDF: 1777509.7/34

In: 3483.205+/-0.699 χ^2/NDF:1758675.2/22

Out: 3362.799+/-0.648 χ^2/NDF:1696875.4/27

All: 3418.425+/-0.475 χ^2/NDF: 3471522.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.1/8

Right Out: -0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: 0.000+/-0.000 χ^2/NDF:8.0/6

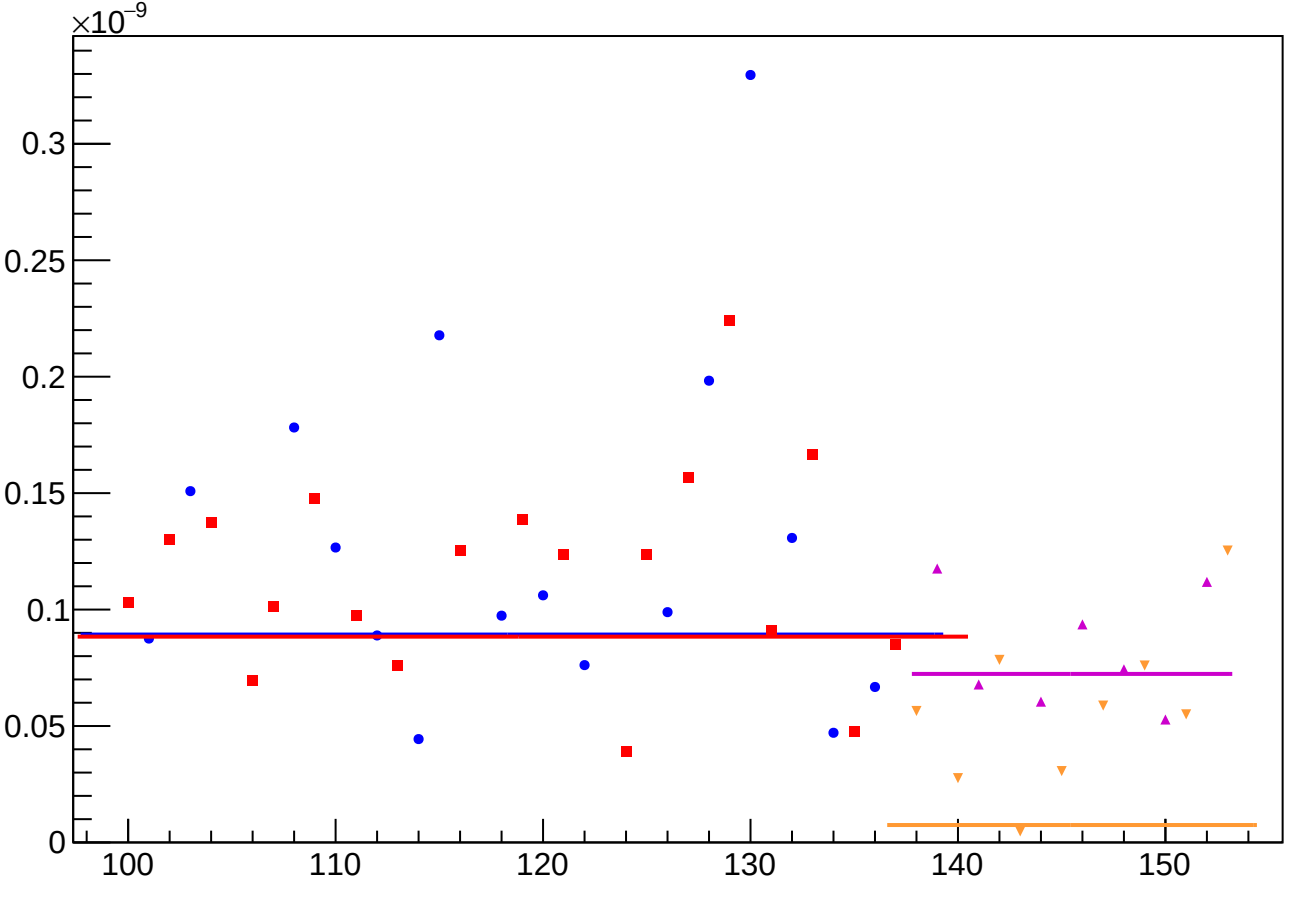
Left: 0.000+/-0.000 χ^2/NDF: 14.8/15

Right: 0.000+/-0.000 χ^2/NDF: 40.1/34

In: 0.000+/-0.000 χ^2/NDF:17.3/22

Out: 0.000+/-0.000 χ^2/NDF:36.3/27

All: 0.000+/-0.000 χ^2/NDF: 55.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:3529583.2/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1013814.1/18

Left In: 0.000+/-0.000 χ^2/NDF:409976.4/6

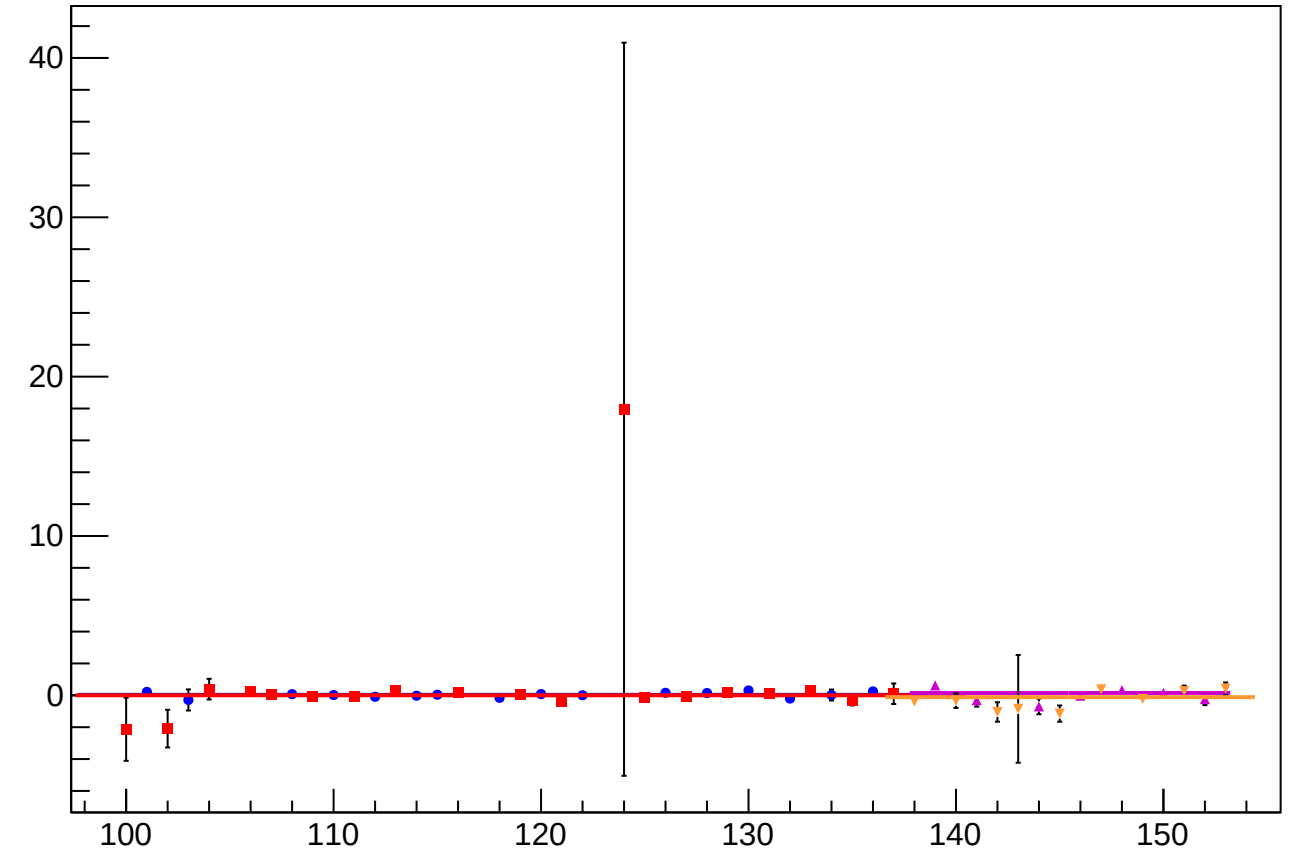
Left: 0.000+/-0.000 χ^2/NDF: 7778633.3/15

Right: 0.000+/-0.000 χ^2/NDF: 1963677.1/34

In: 0.000+/-0.000 χ^2/NDF:1467196.2/22

Out: 0.000+/-0.000 χ^2/NDF:8653128.4/27

All: 0.000+/-0.000 χ^2/NDF: 17347437.2/50



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: -0.115+/-0.129 χ^2/NDF:13.4/8

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.147+/-0.121 χ^2/NDF:10.0/6

Left: 0.024+/-0.088 χ^2/NDF: 25.6/15

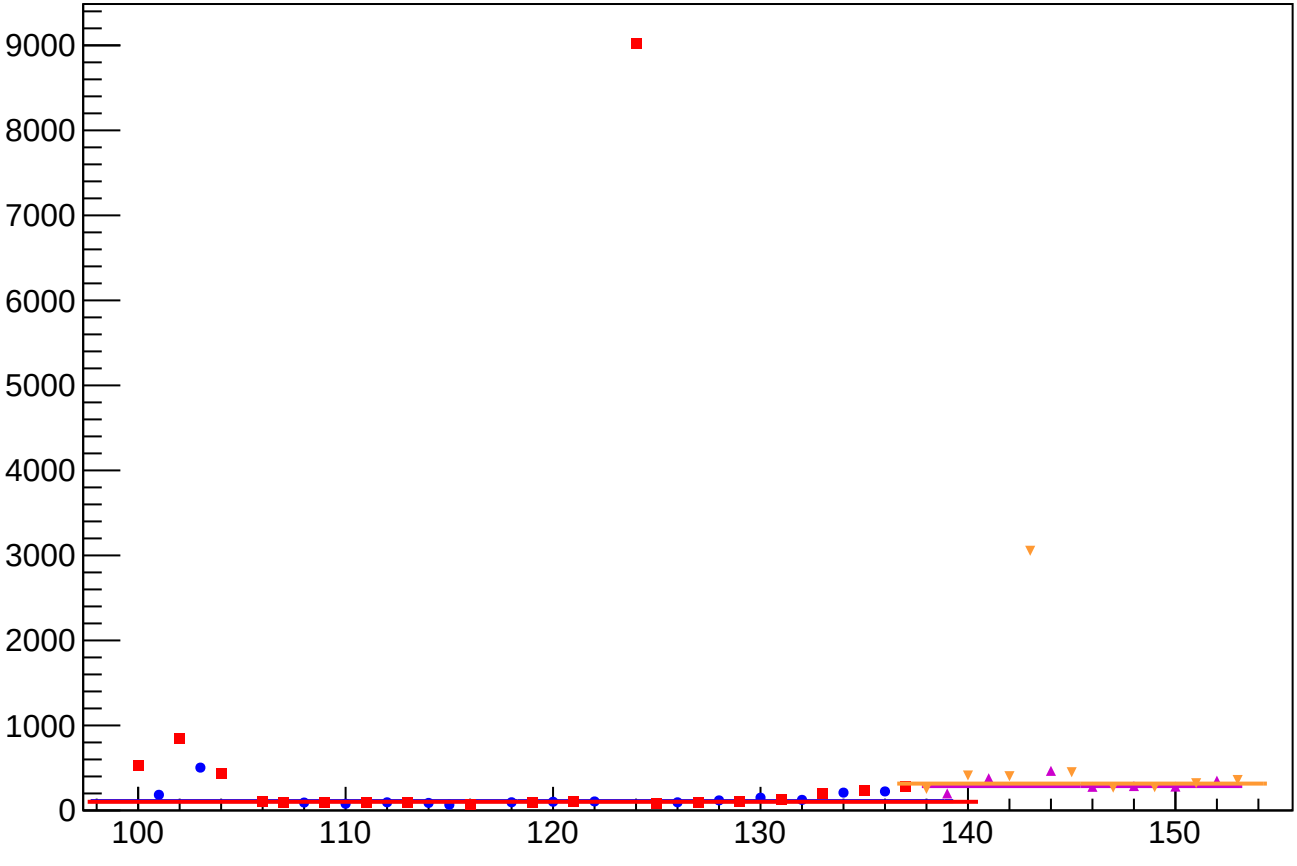
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.043+/-0.042 χ^2/NDF:19.8/22

Out: -0.009+/-0.041 χ^2/NDF:36.5/27

All: 0.016+/-0.030 χ^2/NDF: 57.0/50

asym_atl_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 315.906+/-0.091 χ^2/NDF:1785884.3/8

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 286.652+/-0.086 χ^2/NDF:704243.4/6

Left: 300.377+/-0.062 χ^2/NDF: 2544913.2/15

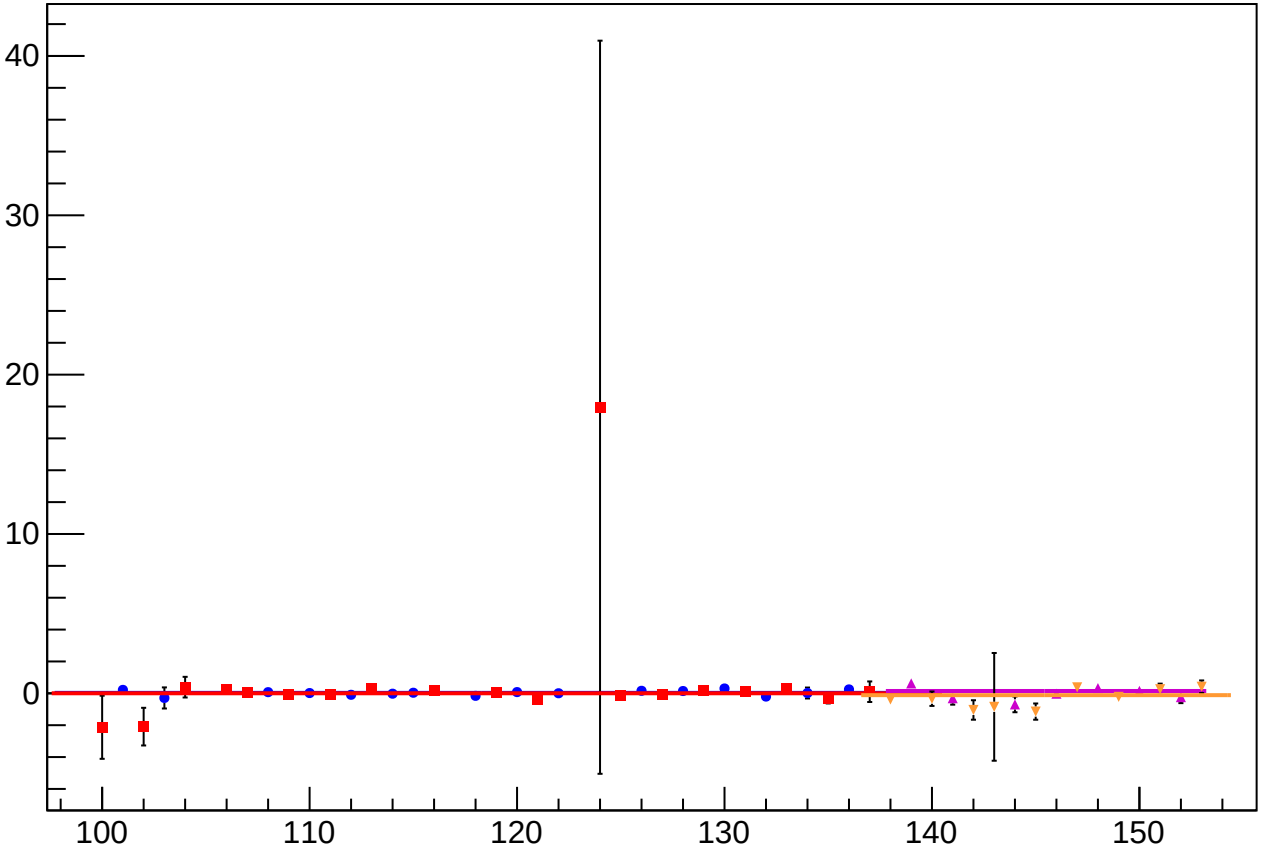
Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 131.685+/-0.030 χ^2/NDF:6370490.5/22

Out: 123.658+/-0.029 χ^2/NDF:9338467.8/27

All: 127.544+/-0.021 χ^2/NDF: 15745889.2/50

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: -0.115+/-0.129 χ^2/NDF:13.4/8

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.147+/-0.121 χ^2/NDF:10.0/6

Left: 0.024+/-0.088 χ^2/NDF: 25.6/15

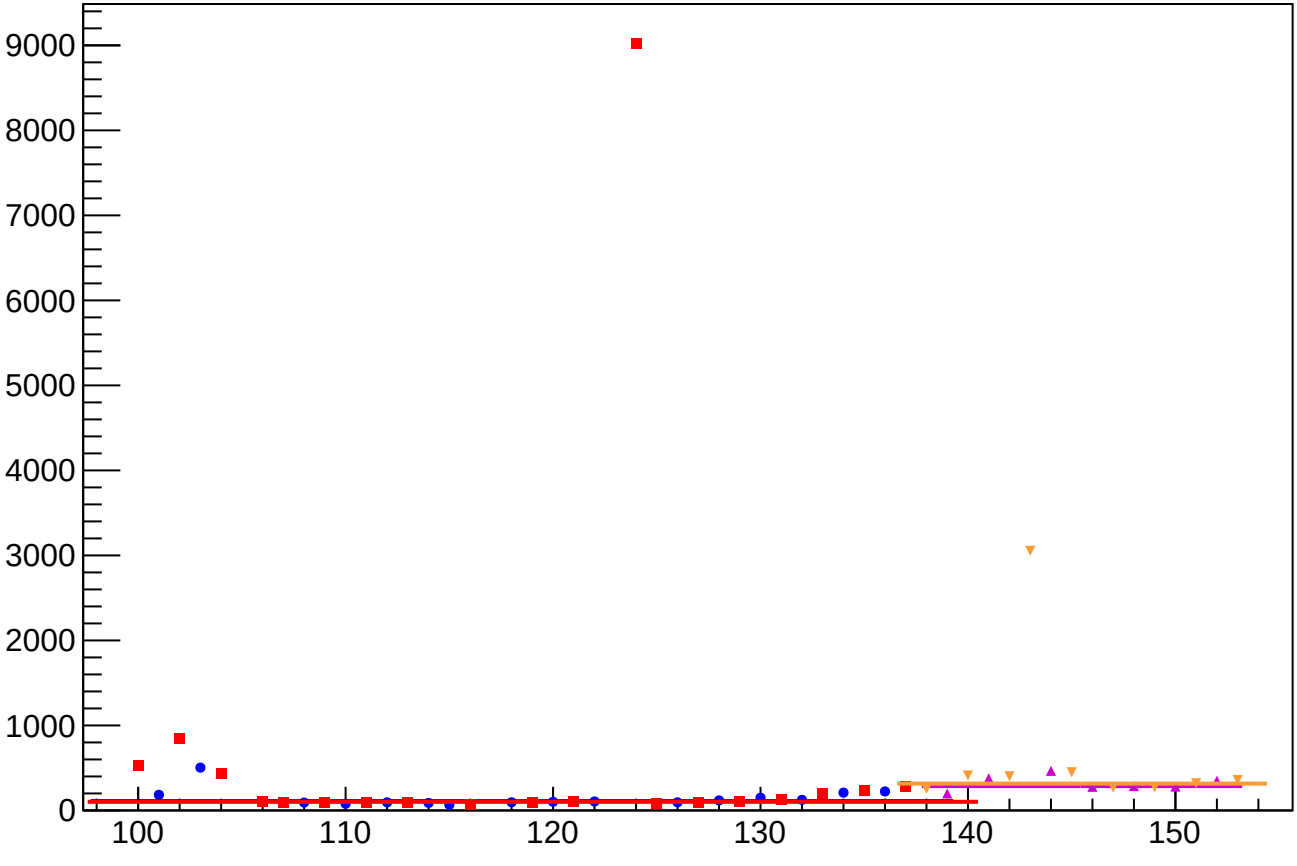
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.043+/-0.042 χ^2/NDF:19.8/22

Out: -0.009+/-0.041 χ^2/NDF:36.5/27

All: 0.016+/-0.030 χ^2/NDF: 57.0/50

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 315.906+/-0.091 χ^2/NDF:1785884.3/8

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 286.652+/-0.086 χ^2/NDF:704243.4/6

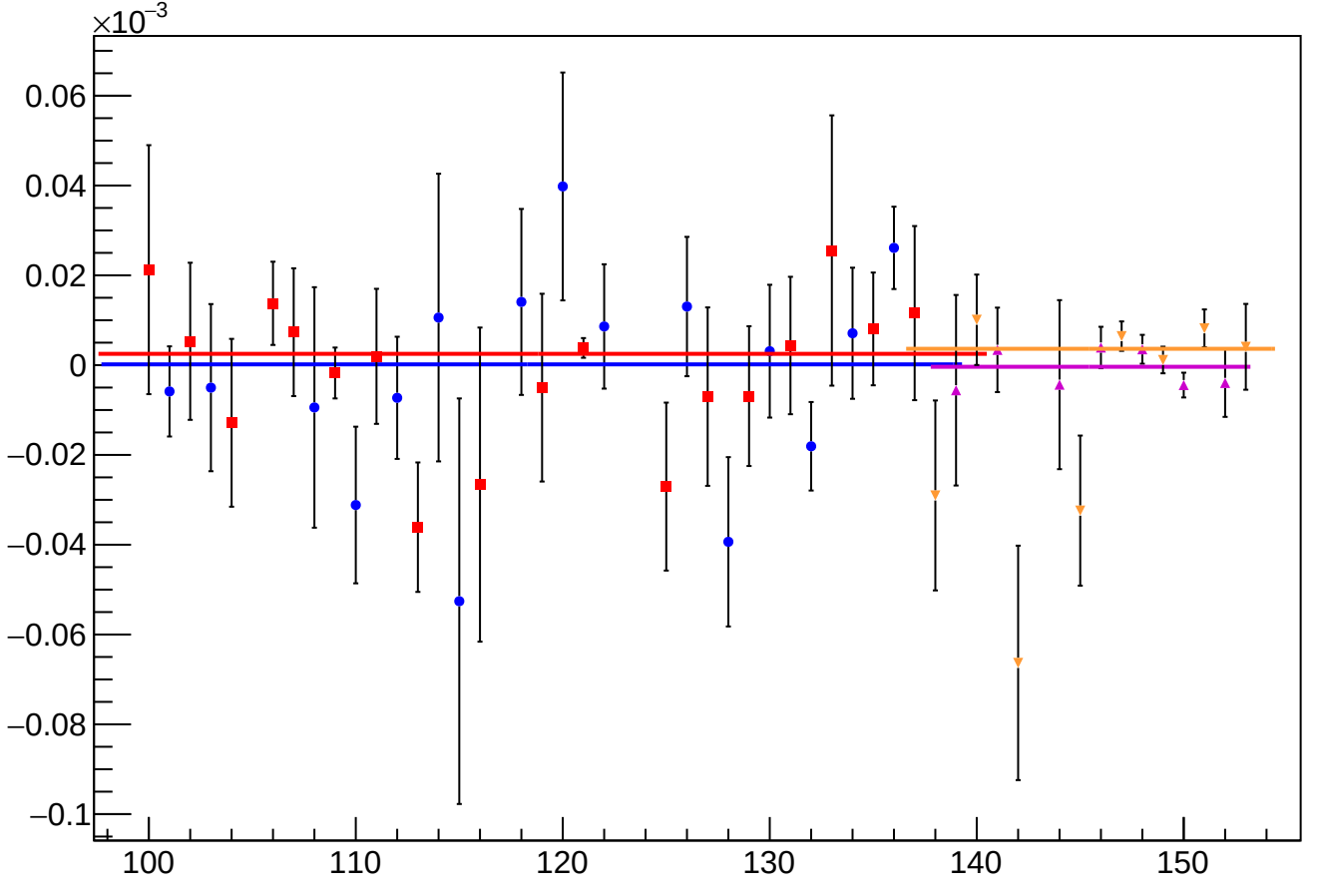
Left: 300.377+/-0.062 χ^2/NDF: 2544913.2/15

Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 131.685+/-0.030 χ^2/NDF:6370490.5/22

Out: 123.658+/-0.029 χ^2/NDF:9338467.8/27

All: 127.544+/-0.021 χ^2/NDF: 15745889.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.2/7

Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: -0.000+/-0.000 χ^2/NDF:5.0/6

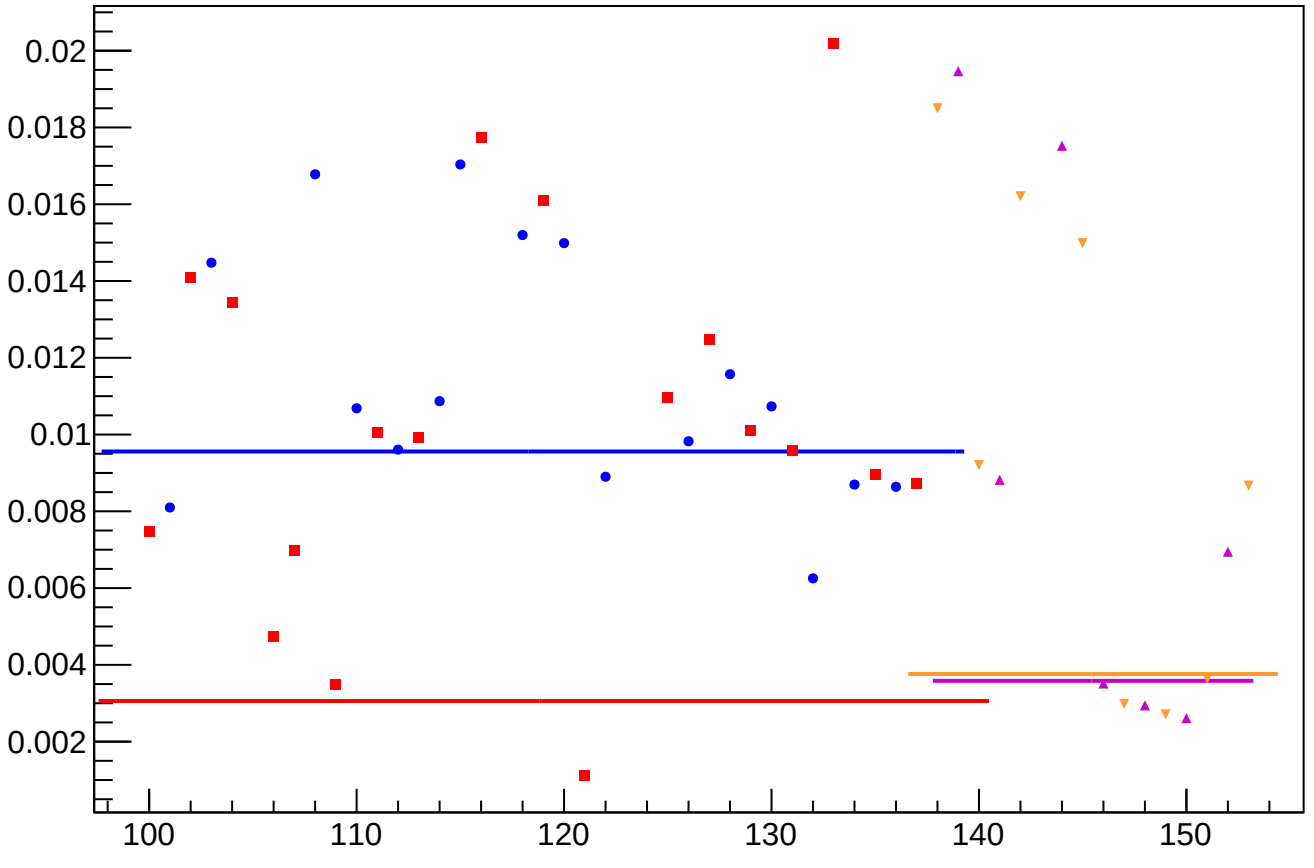
Left: 0.000+/-0.000 χ^2/NDF: 24.7/14

Right: 0.000+/-0.000 χ^2/NDF: 41.7/33

In: -0.000+/-0.000 χ^2/NDF:30.6/22

Out: 0.000+/-0.000 χ^2/NDF:33.2/25

All: 0.000+/-0.000 χ^2/NDF: 66.4/48



Right In: 0.010+/-0.000 χ^2/NDF: 926018.8/15

Left Out: 0.004+/-0.000 χ^2/NDF:3805402.8/7

Right Out: 0.003+/-0.000 χ^2/NDF: 8122378.4/17

Left In: 0.004+/-0.000 χ^2/NDF:3560834.4/6

Left: 0.004+/-0.000 χ^2/NDF: 7375655.9/14

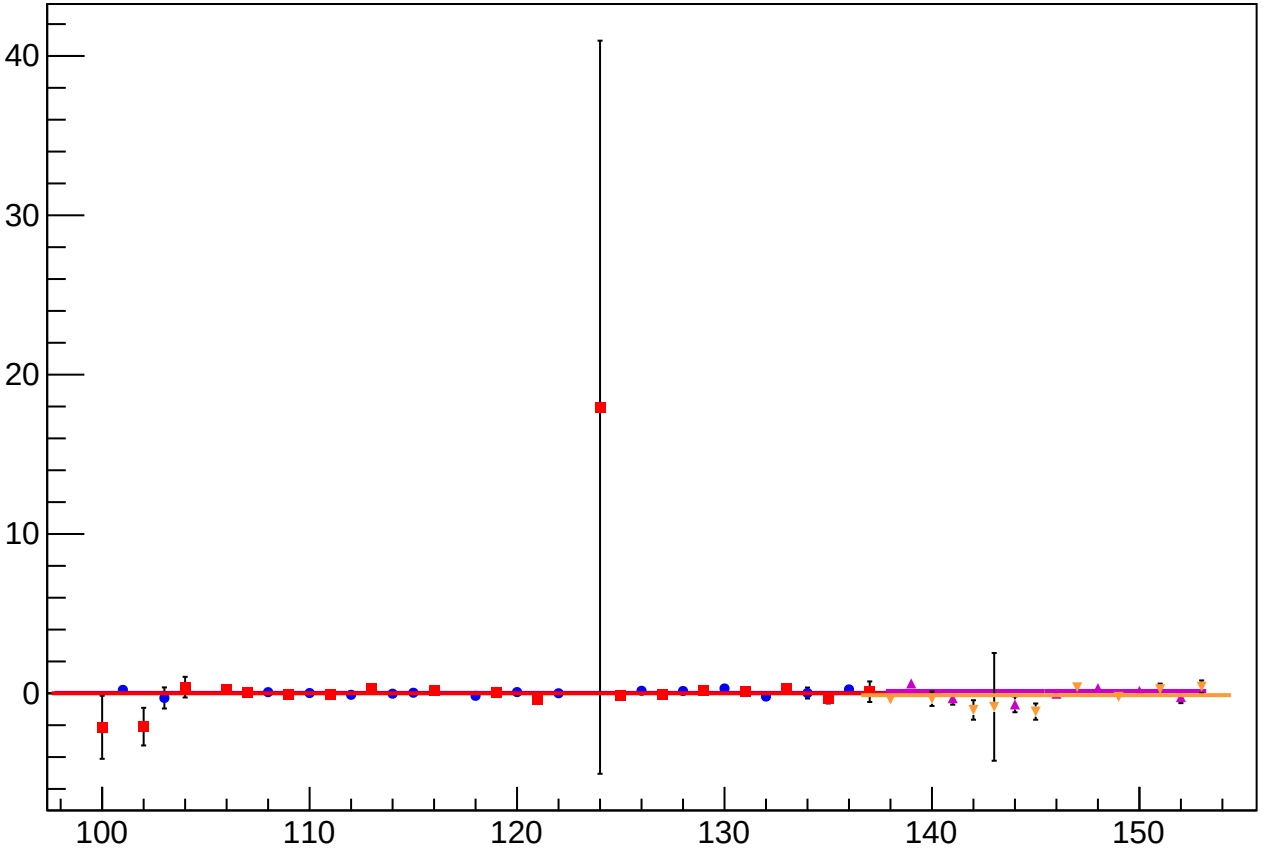
Right: 0.004+/-0.000 χ^2/NDF: 13944710.4/33

In: 0.005+/-0.000 χ^2/NDF:8648431.3/22

Out: 0.003+/-0.000 χ^2/NDF:12073624.0/25

All: 0.004+/-0.000 χ^2/NDF: 21512675.5/48

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: -0.115+/-0.129 χ^2/NDF:13.4/8

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.147+/-0.121 χ^2/NDF:10.0/6

Left: 0.024+/-0.088 χ^2/NDF: 25.6/15

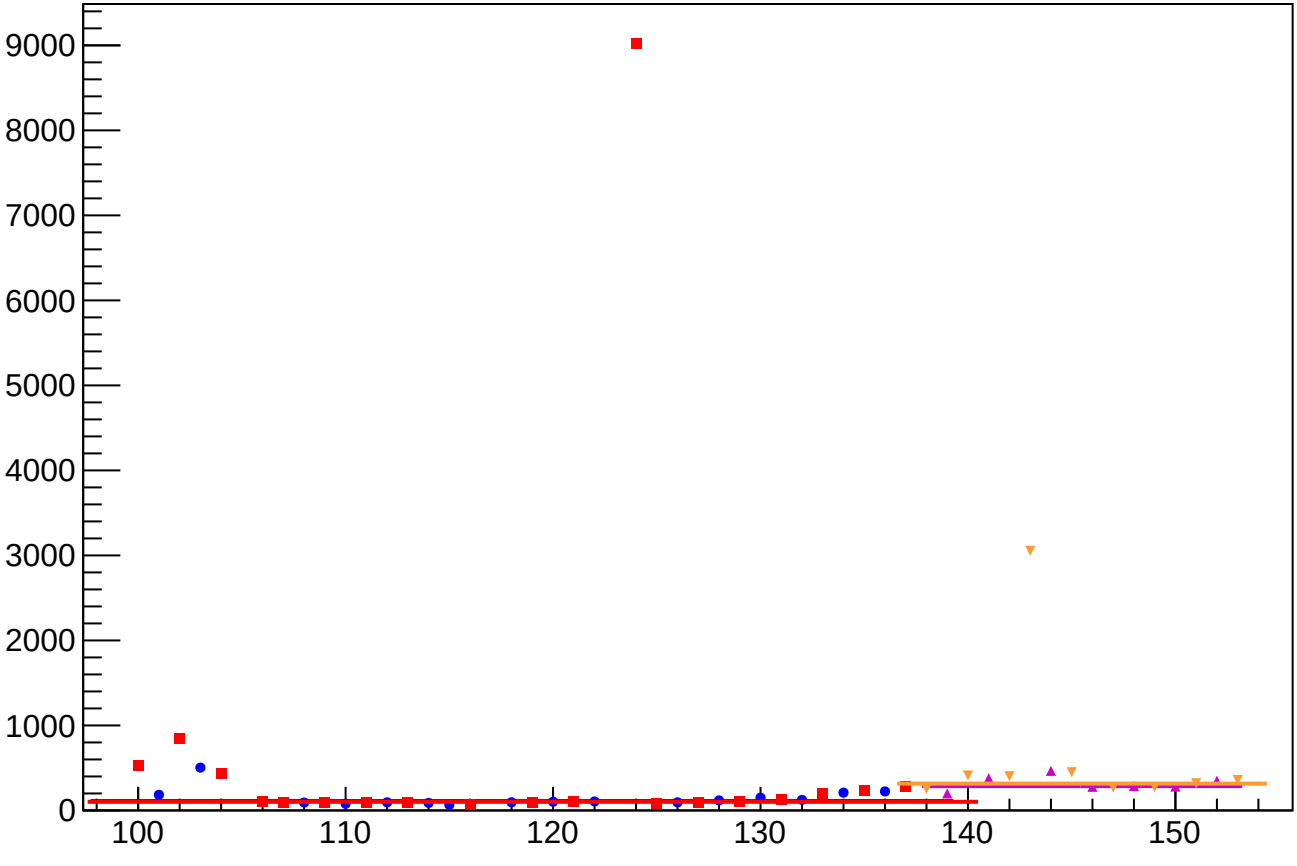
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.043+/-0.042 χ^2/NDF:19.8/22

Out: -0.009+/-0.041 χ^2/NDF:36.5/27

All: 0.016+/-0.030 χ^2/NDF: 57.0/50

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 315.908+/-0.091 χ^2/NDF:1785914.9/8

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 286.656+/-0.086 χ^2/NDF:704217.7/6

Left: 300.380+/-0.062 χ^2/NDF: 2544910.0/15

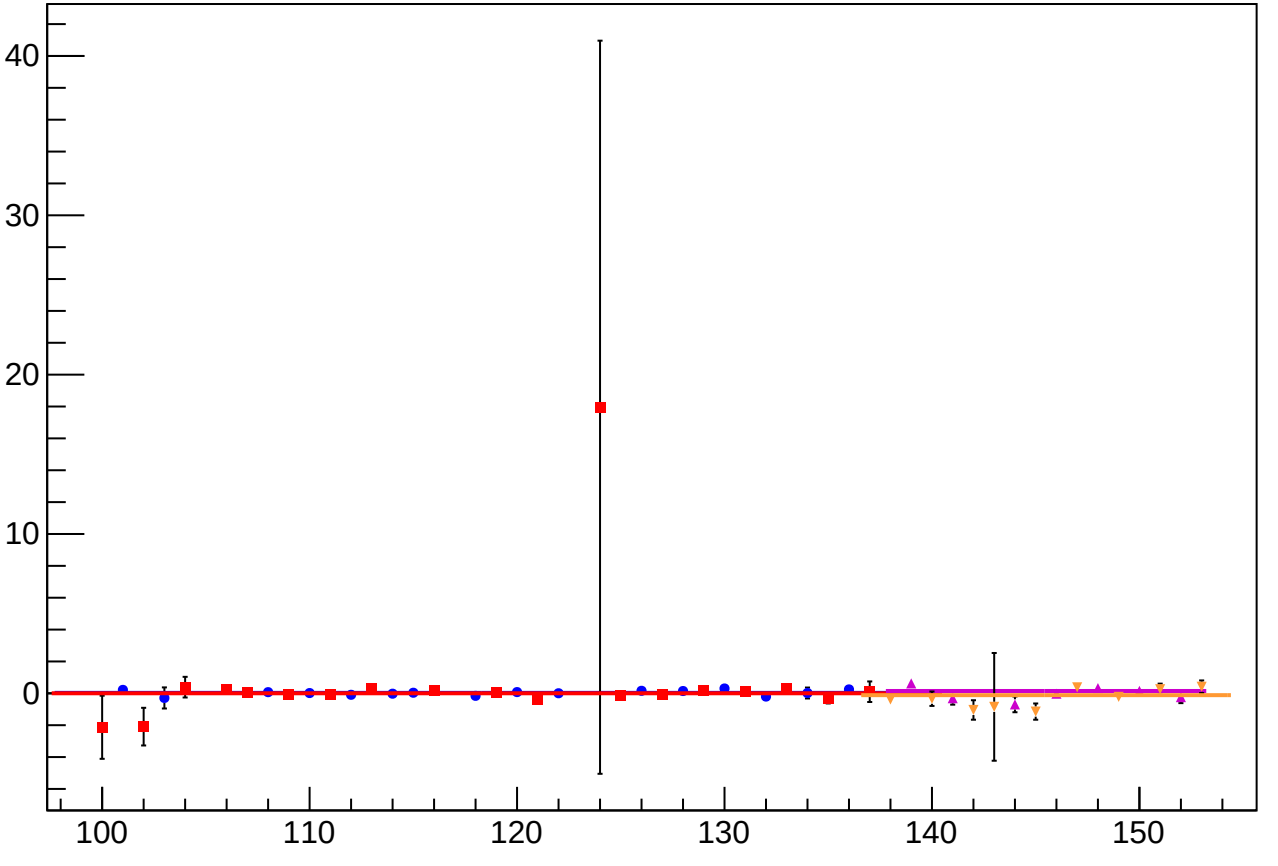
Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 131.686+/-0.030 χ^2/NDF:6370438.0/22

Out: 123.659+/-0.029 χ^2/NDF:9338380.7/27

All: 127.545+/-0.021 χ^2/NDF: 15745745.4/50

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: -0.115+/-0.129 χ^2/NDF:13.4/8

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.147+/-0.121 χ^2/NDF:10.0/6

Left: 0.024+/-0.088 χ^2/NDF: 25.6/15

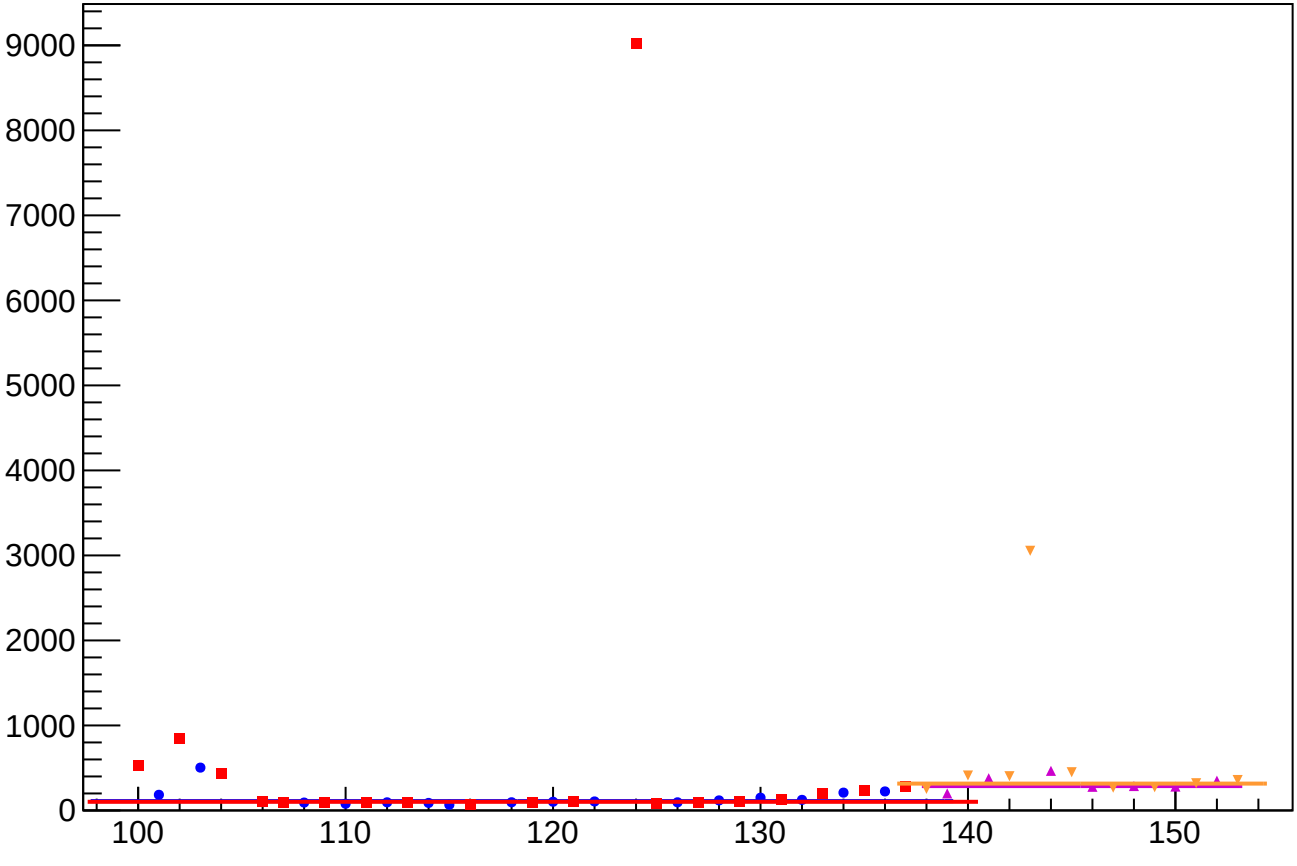
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.043+/-0.042 χ^2/NDF:19.8/22

Out: -0.009+/-0.041 χ^2/NDF:36.5/27

All: 0.016+/-0.030 χ^2/NDF: 57.0/50

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: 315.908+/-0.091 χ^2/NDF:1785914.9/8

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 286.656+/-0.086 χ^2/NDF:704217.7/6

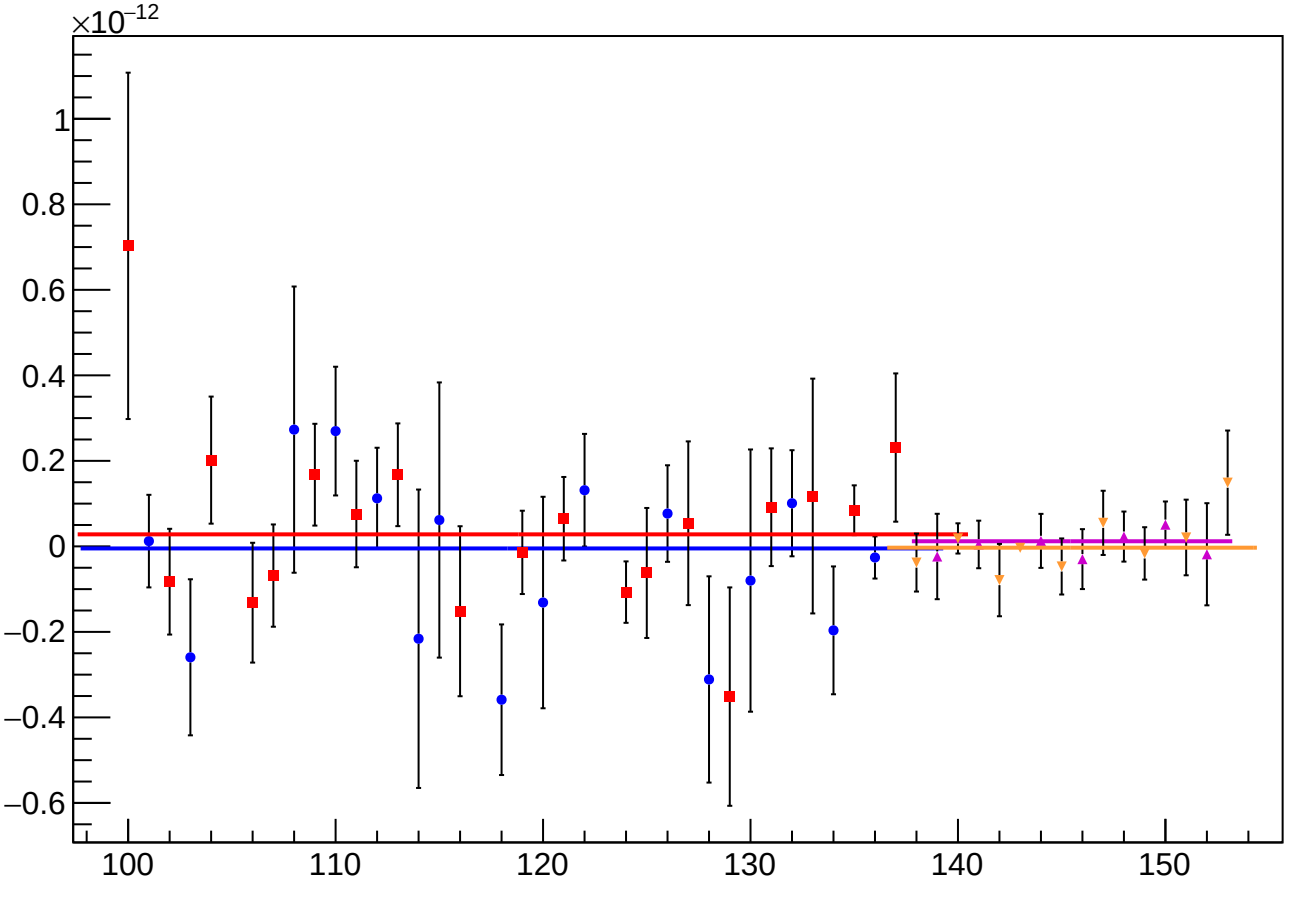
Left: 300.380+/-0.062 χ^2/NDF: 2544910.0/15

Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 131.686+/-0.030 χ^2/NDF:6370438.0/22

Out: 123.659+/-0.029 χ^2/NDF:9338380.7/27

All: 127.545+/-0.021 χ^2/NDF: 15745745.4/50



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.2/8

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1.1/6

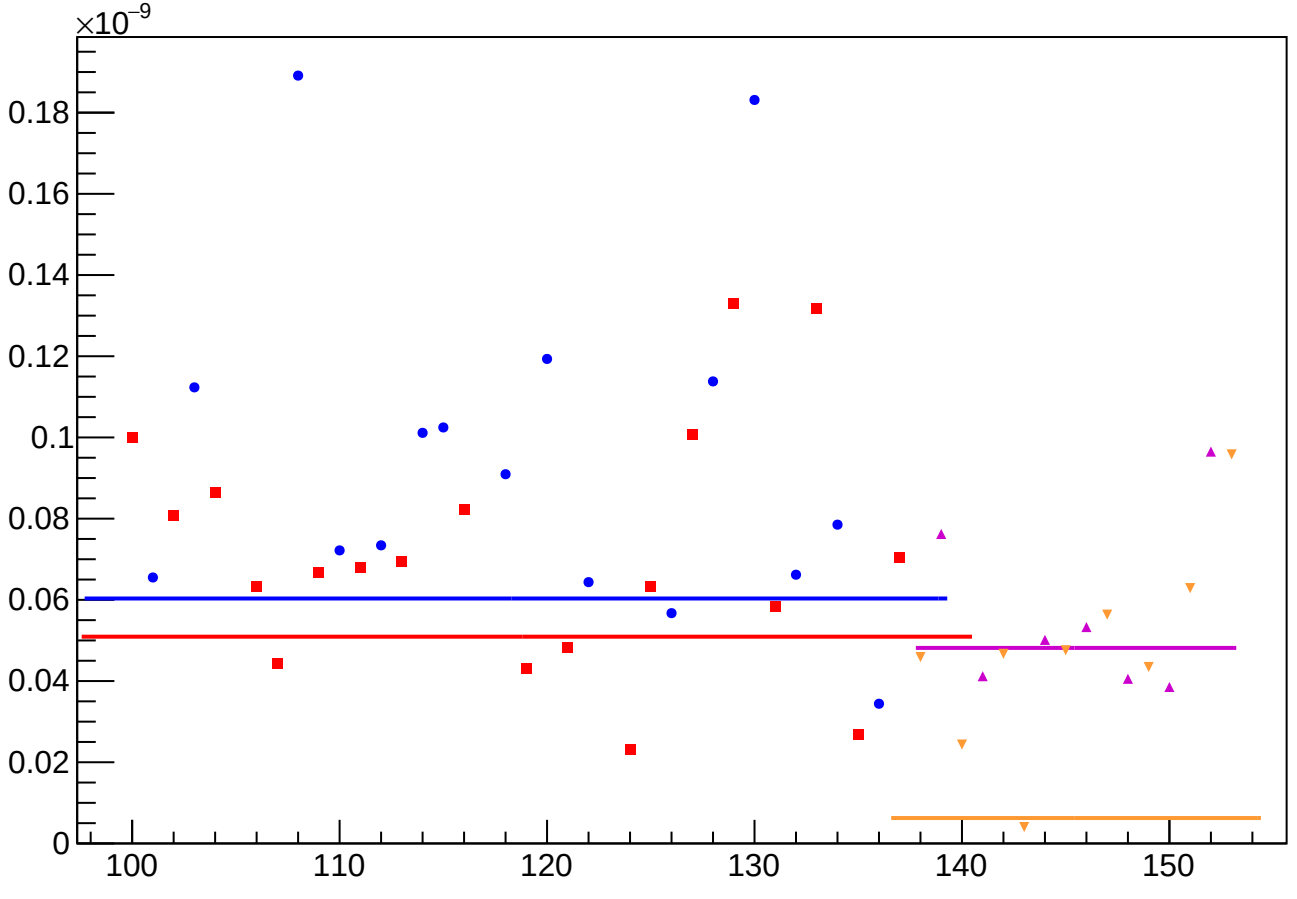
Left: -0.000+/-0.000 χ^2/NDF: 5.6/15

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:18.8/22

Out: -0.000+/-0.000 χ^2/NDF:25.1/27

All: -0.000+/-0.000 χ^2/NDF: 44.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 1746170.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6301046.1/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1667004.7/18

Left In: 0.000+/-0.000 χ^2/NDF:626510.8/6

Left: 0.000+/-0.000 χ^2/NDF: 12227852.6/15

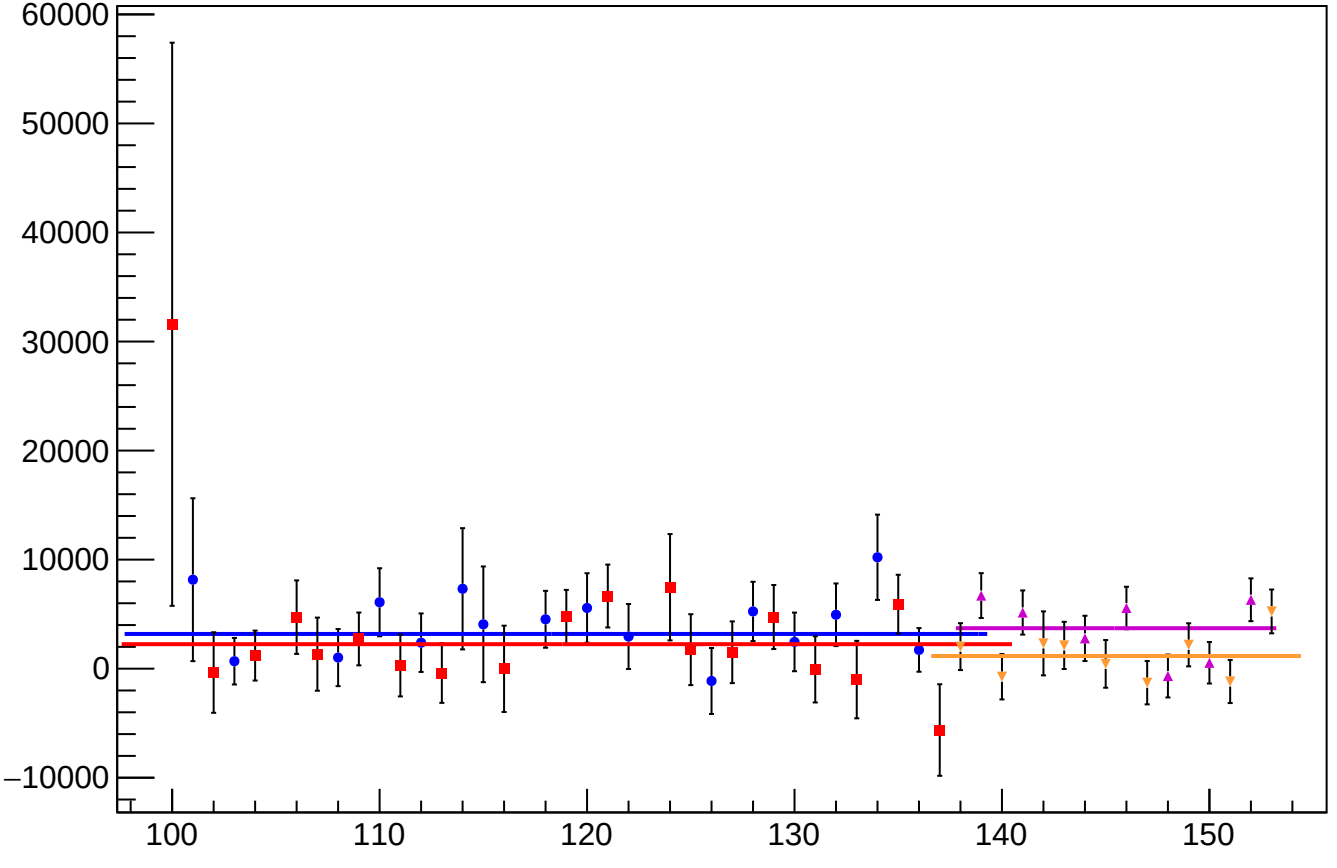
Right: 0.000+/-0.000 χ^2/NDF: 3514375.8/34

In: 0.000+/-0.000 χ^2/NDF:2553168.5/22

Out: 0.000+/-0.000 χ^2/NDF:13153393.7/27

All: 0.000+/-0.000 χ^2/NDF: 25357268.6/50

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1158.523+/-707.186 χ^2/NDF:8.8/8

Right Out: 2246.057+/-710.912 χ^2/NDF: 16.5/18

Left In: 3710.427+/-751.798 χ^2/NDF:13.2/6

Left: 2356.516+/-515.106 χ^2/NDF: 28.1/15

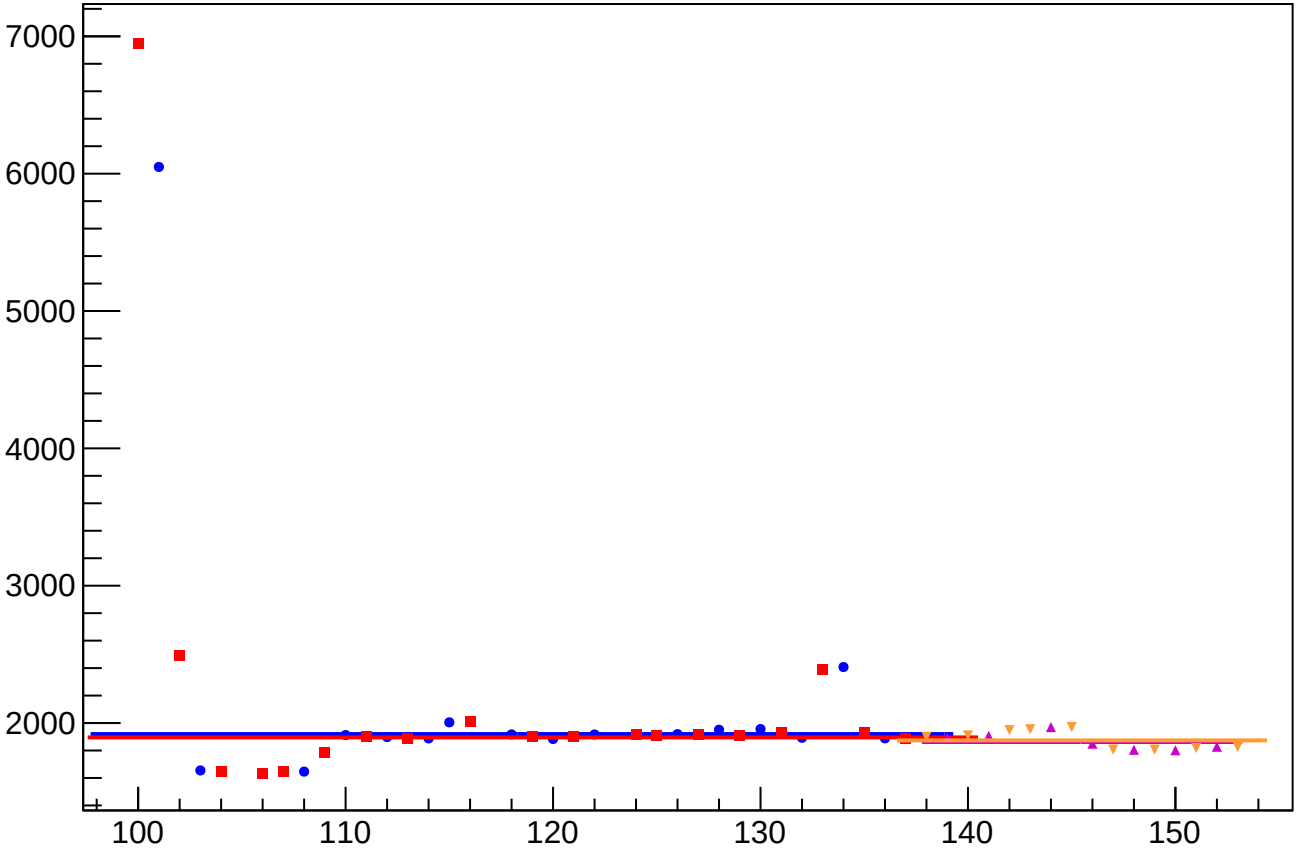
Right: 2701.735+/-509.689 χ^2/NDF: 29.1/34

In: 3439.727+/-524.143 χ^2/NDF:25.2/22

Out: 1699.432+/-501.368 χ^2/NDF:26.5/27

All: 2530.950+/-362.305 χ^2/NDF: 57.4/50

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1873.619+/-0.500 χ^2/NDF:16294.1/8

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

Left In: 1861.908+/-0.532 χ^2/NDF:11211.3/6

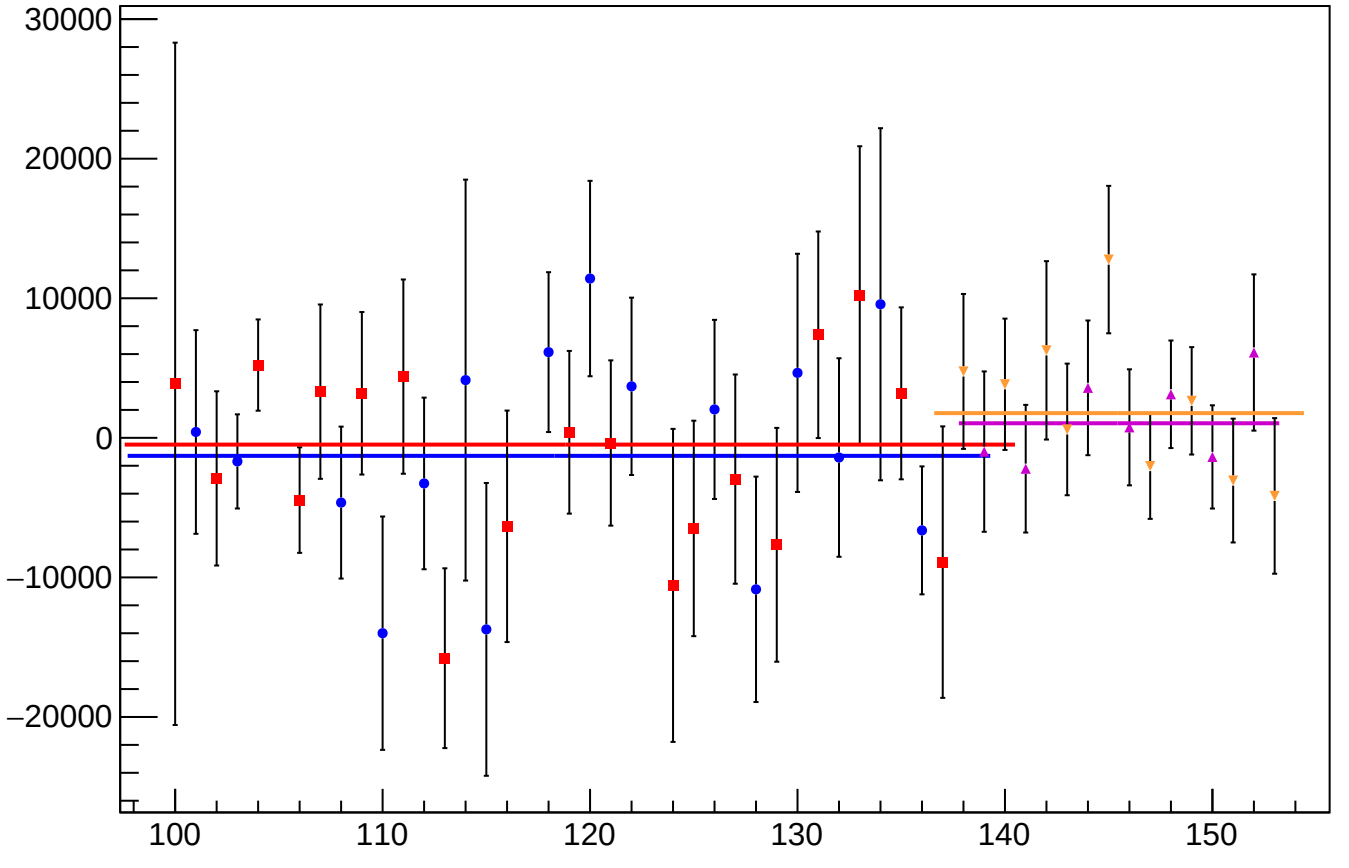
Left: 1868.121+/-0.364 χ^2/NDF: 27762.8/15

Right: 1907.209+/-0.360 χ^2/NDF: 920760.5/34

In: 1891.674+/-0.371 χ^2/NDF:714643.5/22

Out: 1884.471+/-0.354 χ^2/NDF:239511.5/27

All: 1887.907+/-0.256 χ^2/NDF: 954352.6/50



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: 1771.165+/-1574.435 χ^2/NDF:8.8/8

Right Out: -485.214+/-1437.465 χ^2/NDF: 17.2/18

Left In: 1044.556+/-1687.110 χ^2/NDF:2.4/6

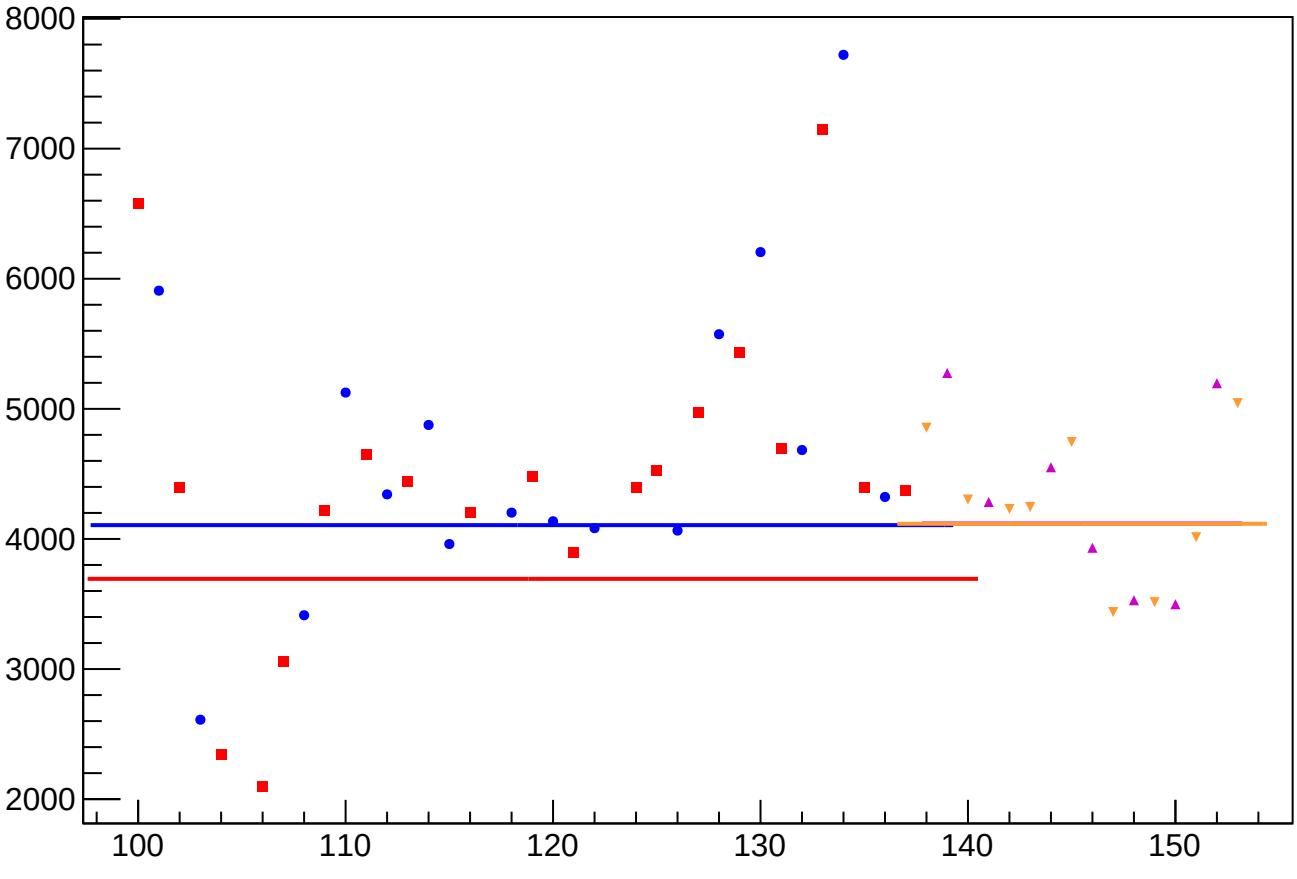
Left: 1432.932+/-1151.067 χ^2/NDF: 11.3/15

Right: -848.531+/-1064.920 χ^2/NDF: 31.6/34

In: -195.449+/-1155.344 χ^2/NDF:17.7/22

Out: 540.576+/-1061.568 χ^2/NDF:27.1/27

All: 203.642+/-781.695 χ^2/NDF: 45.1/50



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4116.448+/-1.113 χ^2/NDF:238838.1/8

Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4118.853+/-1.193 χ^2/NDF:281093.1/6

Left: 4117.567+/-0.814 χ^2/NDF: 519933.3/15

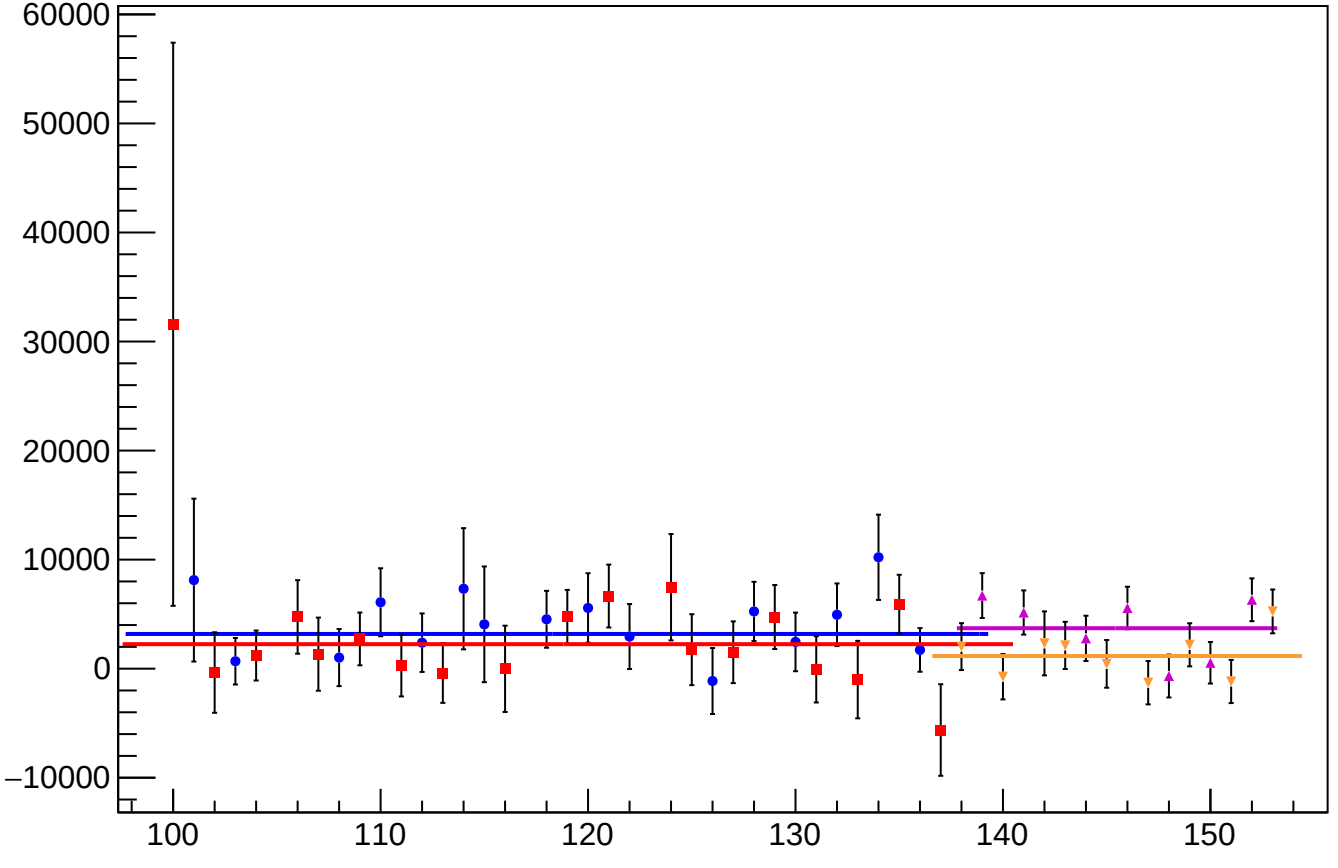
Right: 3879.542+/-0.753 χ^2/NDF: 2387214.5/34

In: 4112.103+/-0.817 χ^2/NDF:1237283.8/22

Out: 3885.652+/-0.751 χ^2/NDF:1674282.9/27

All: 3989.316+/-0.553 χ^2/NDF: 2953228.1/5

cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1158.440+/-707.186 χ^2/NDF:8.8/8

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 3710.615+/-751.798 χ^2/NDF:13.2/6

Left: 2356.560+/-515.106 χ^2/NDF: 28.1/15

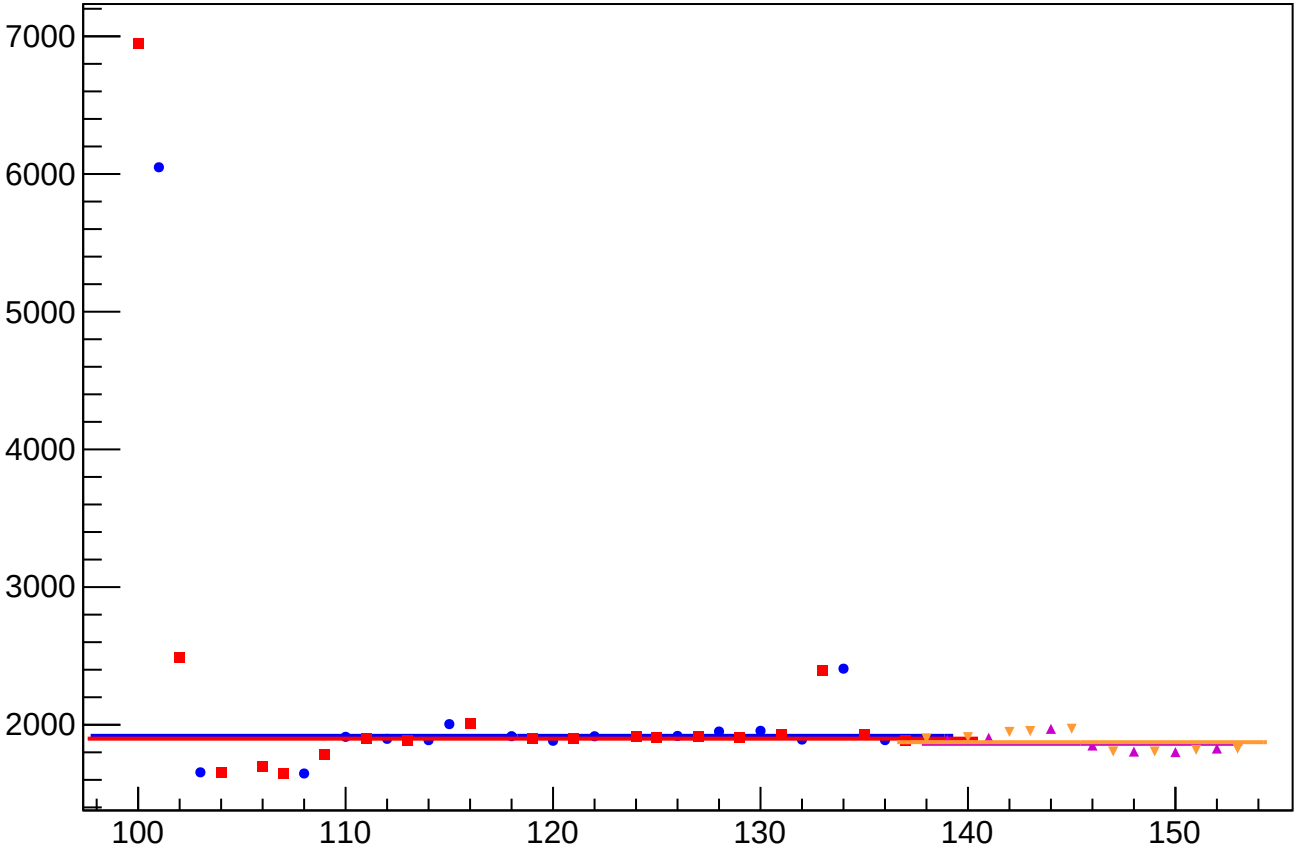
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3439.443+/-524.143 χ^2/NDF:25.2/22

Out: 1699.952+/-501.369 χ^2/NDF:26.5/27

All: 2531.088+/-362.305 χ^2/NDF: 57.4/50

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1873.619+/-0.500 χ^2/NDF:16294.1/8

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1861.908+/-0.532 χ^2/NDF:11211.3/6

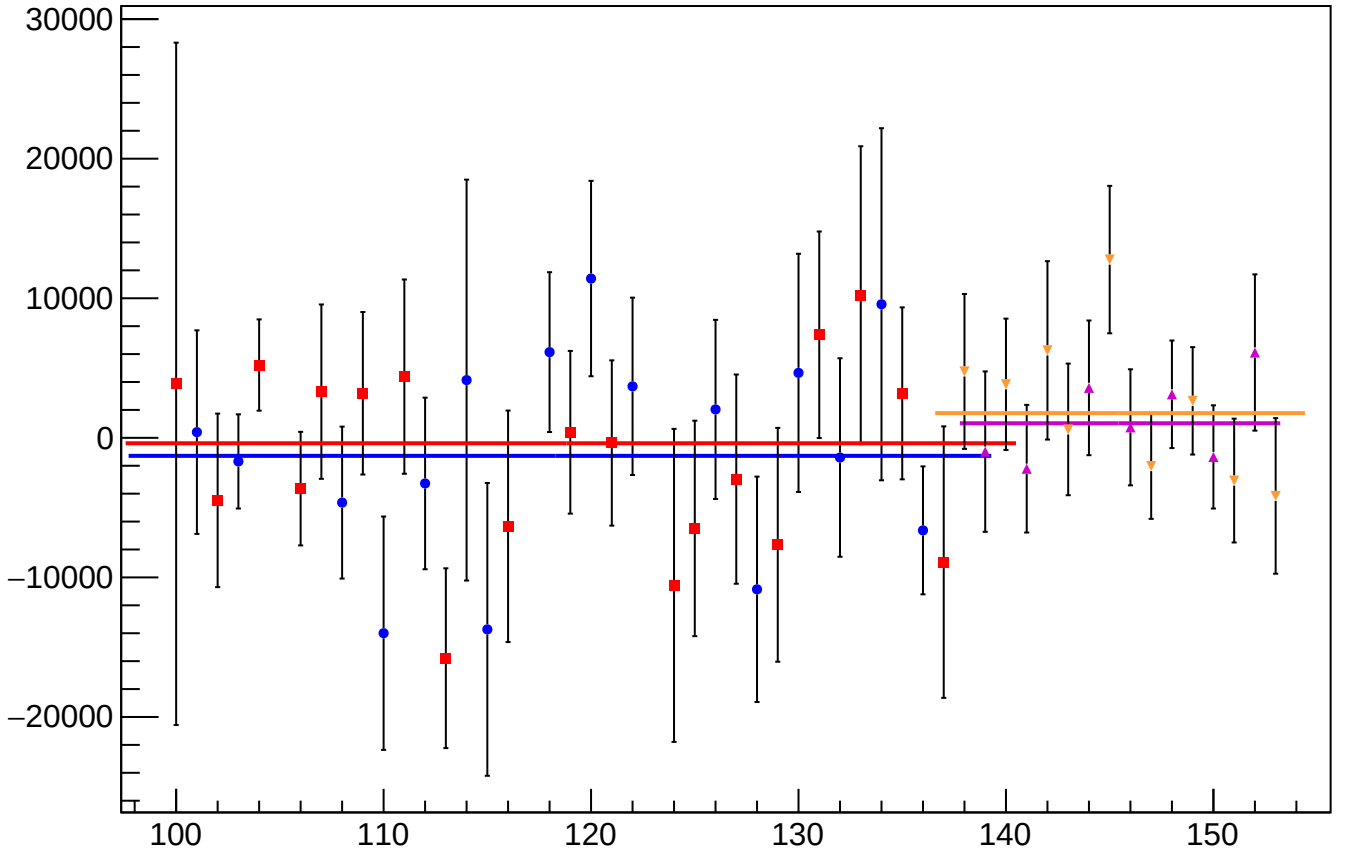
Left: 1868.121+/-0.364 χ^2/NDF: 27762.8/15

Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1891.674+/-0.371 χ^2/NDF:714642.7/22

Out: 1886.444+/-0.354 χ^2/NDF:233268.6/27

All: 1888.941+/-0.256 χ^2/NDF: 948015.4/50



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 1771.099+/-1574.429 χ^2/NDF:8.8/8

Right Out: -387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: 1044.594+/-1687.113 χ^2/NDF:2.4/6

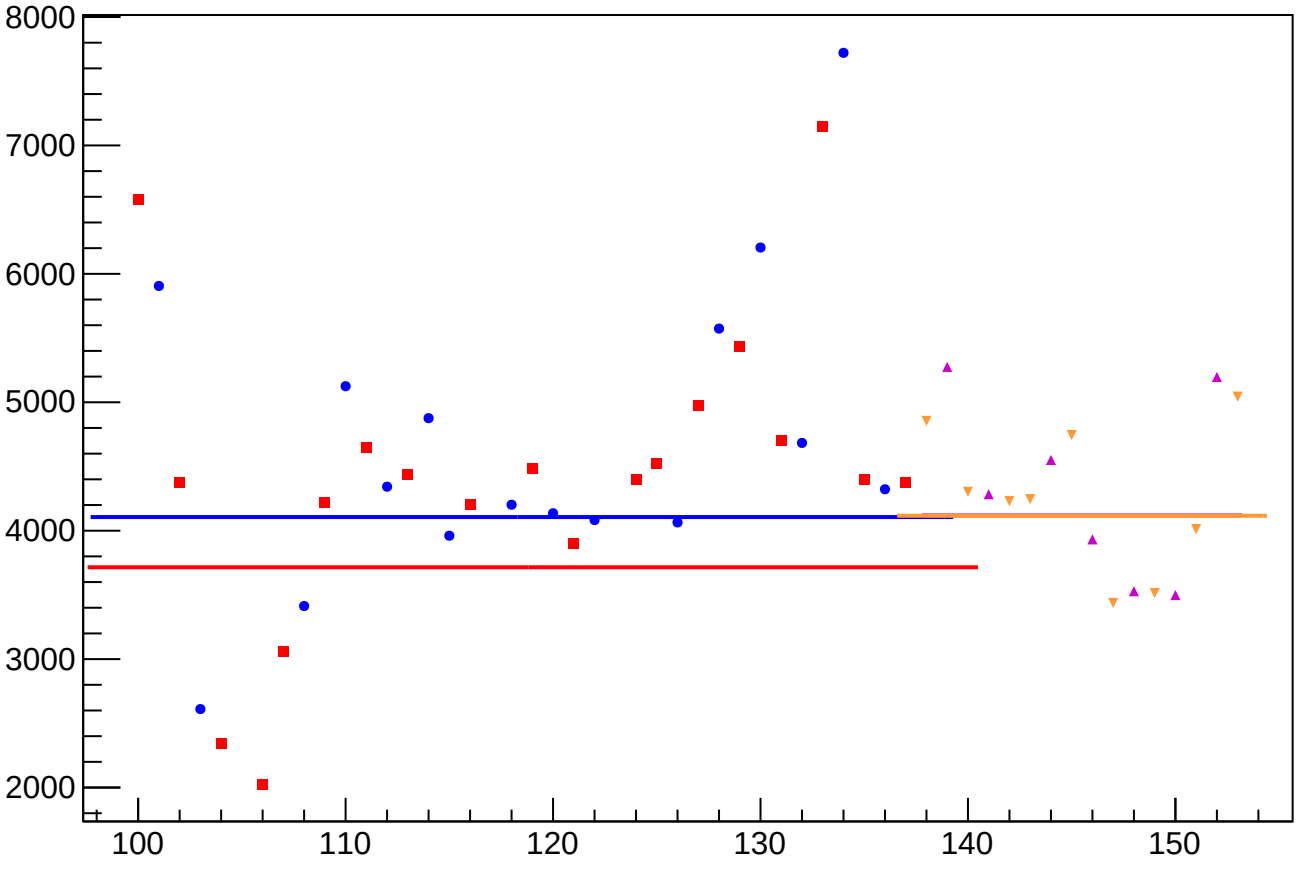
Left: 1432.917+/-1151.066 χ^2/NDF: 11.3/15

Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

In: -195.627+/-1155.346 χ^2/NDF:17.7/22

Out: 604.205+/-1067.194 χ^2/NDF:26.8/27

All: 235.963+/-783.934 χ^2/NDF: 44.8/50



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4116.431+/-1.113 χ^2/NDF:238842.4/8

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4118.861+/-1.193 χ^2/NDF:281093.3/6

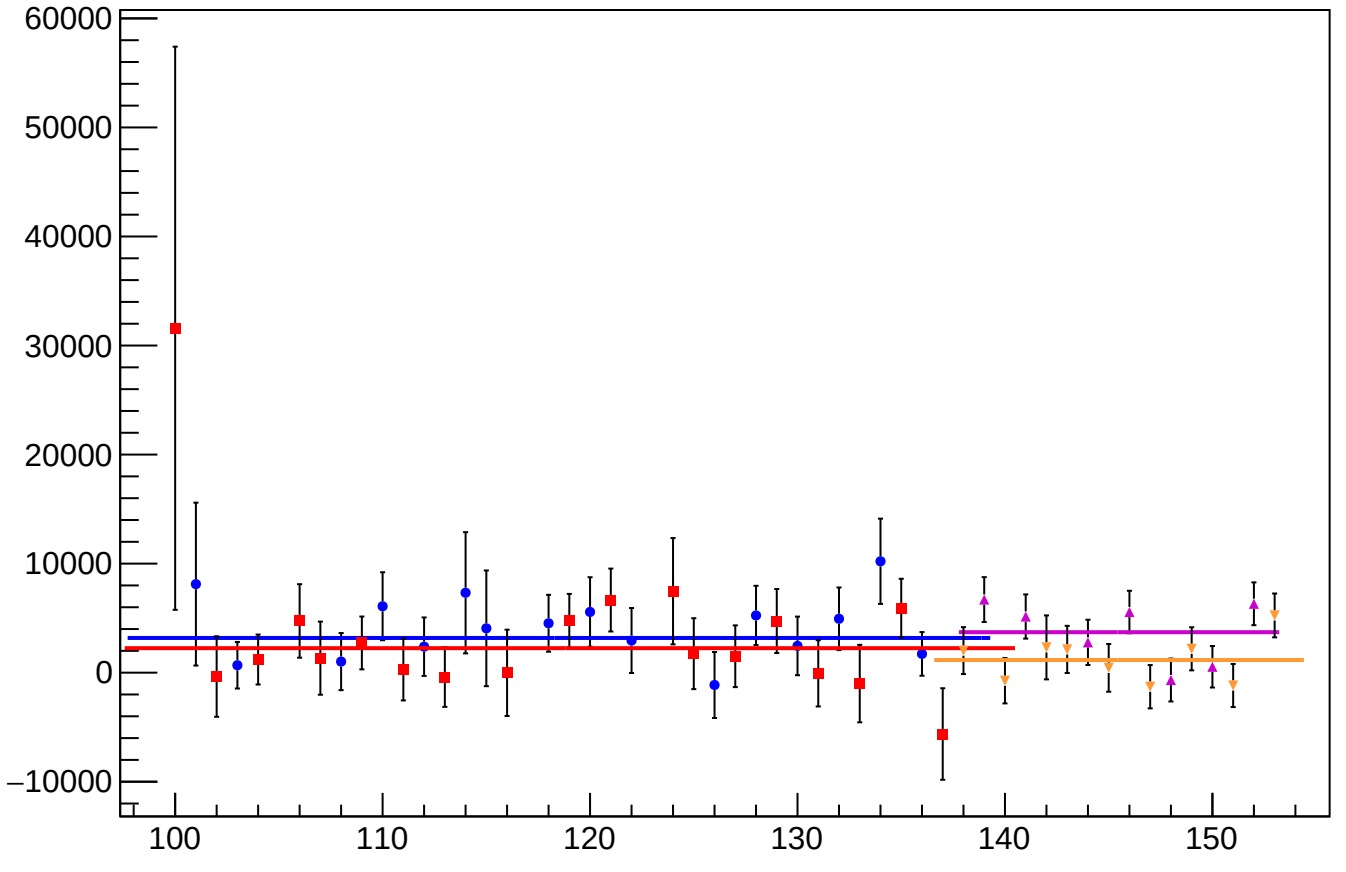
Left: 4117.562+/-0.814 χ^2/NDF: 519937.9/15

Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4112.155+/-0.817 χ^2/NDF:1236784.0/22

Out: 3899.548+/-0.755 χ^2/NDF:1644153.7/27

All: 3997.432+/-0.554 χ^2/NDF: 2917483.3/50



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1158.440+/-707.186 χ^2/NDF:8.8/8

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 3710.615+/-751.798 χ^2/NDF:13.2/6

Left: 2356.560+/-515.106 χ^2/NDF: 28.1/15

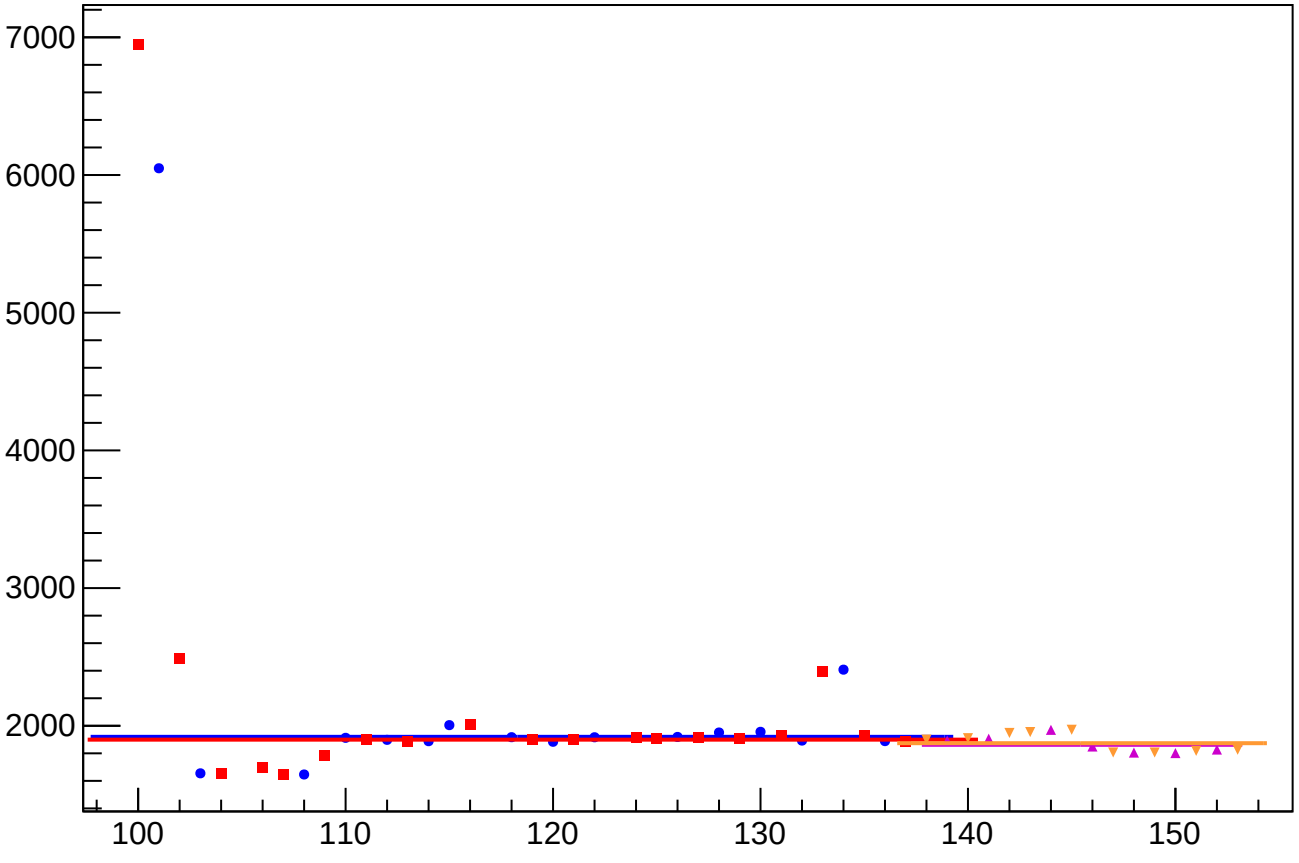
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3439.443+/-524.143 χ^2/NDF:25.2/22

Out: 1699.952+/-501.369 χ^2/NDF:26.5/27

All: 2531.088+/-362.305 χ^2/NDF: 57.4/50

eigen_cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1873.619+/-0.500 χ^2/NDF:16294.1/8

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1861.908+/-0.532 χ^2/NDF:11211.3/6

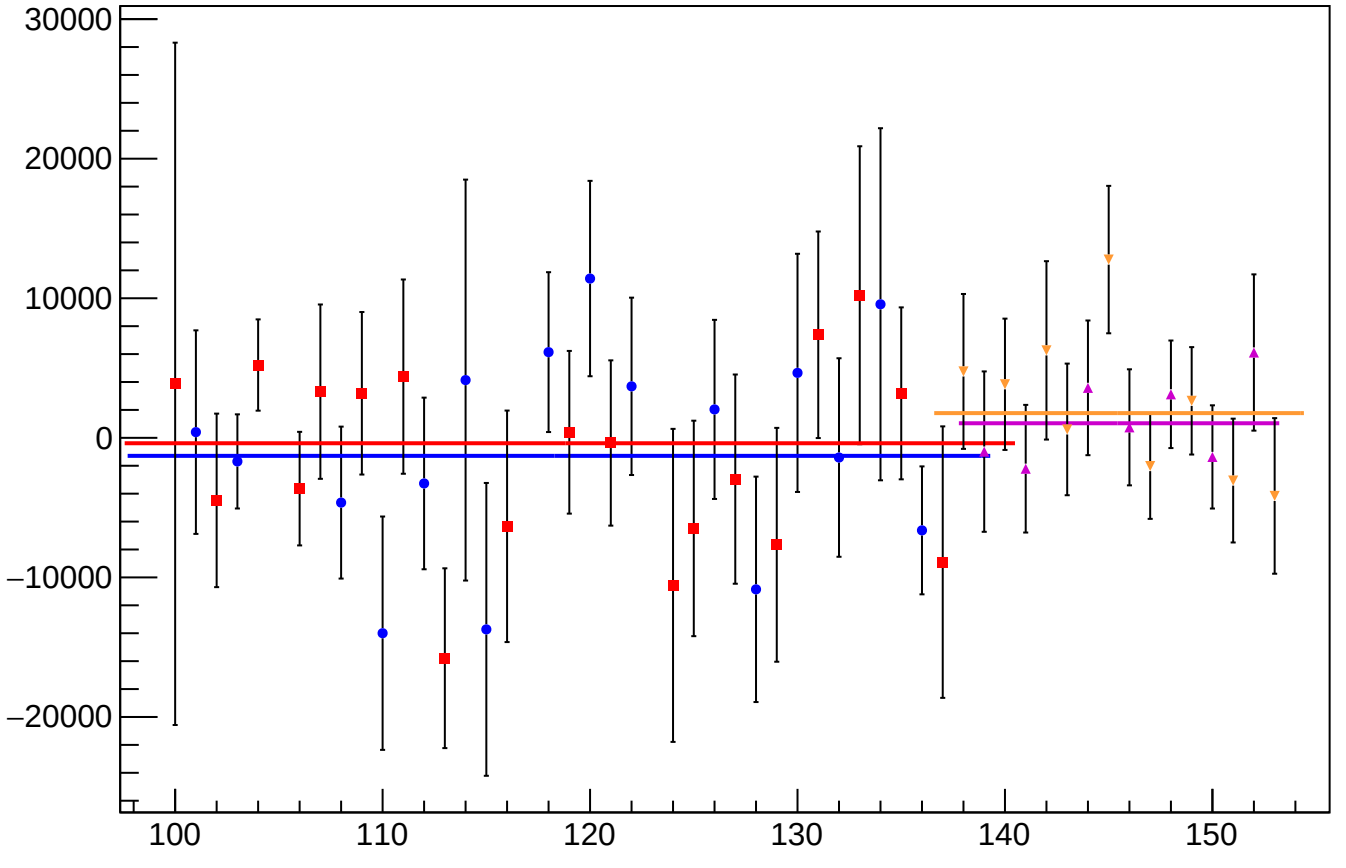
Left: 1868.121+/-0.364 χ^2/NDF: 27762.8/15

Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1891.674+/-0.371 χ^2/NDF:714642.7/22

Out: 1886.444+/-0.354 χ^2/NDF:233268.6/27

All: 1888.941+/-0.256 χ^2/NDF: 948015.4/50



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 1771.099+/-1574.429 χ^2/NDF:8.8/8

Right Out: -387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: 1044.594+/-1687.113 χ^2/NDF:2.4/6

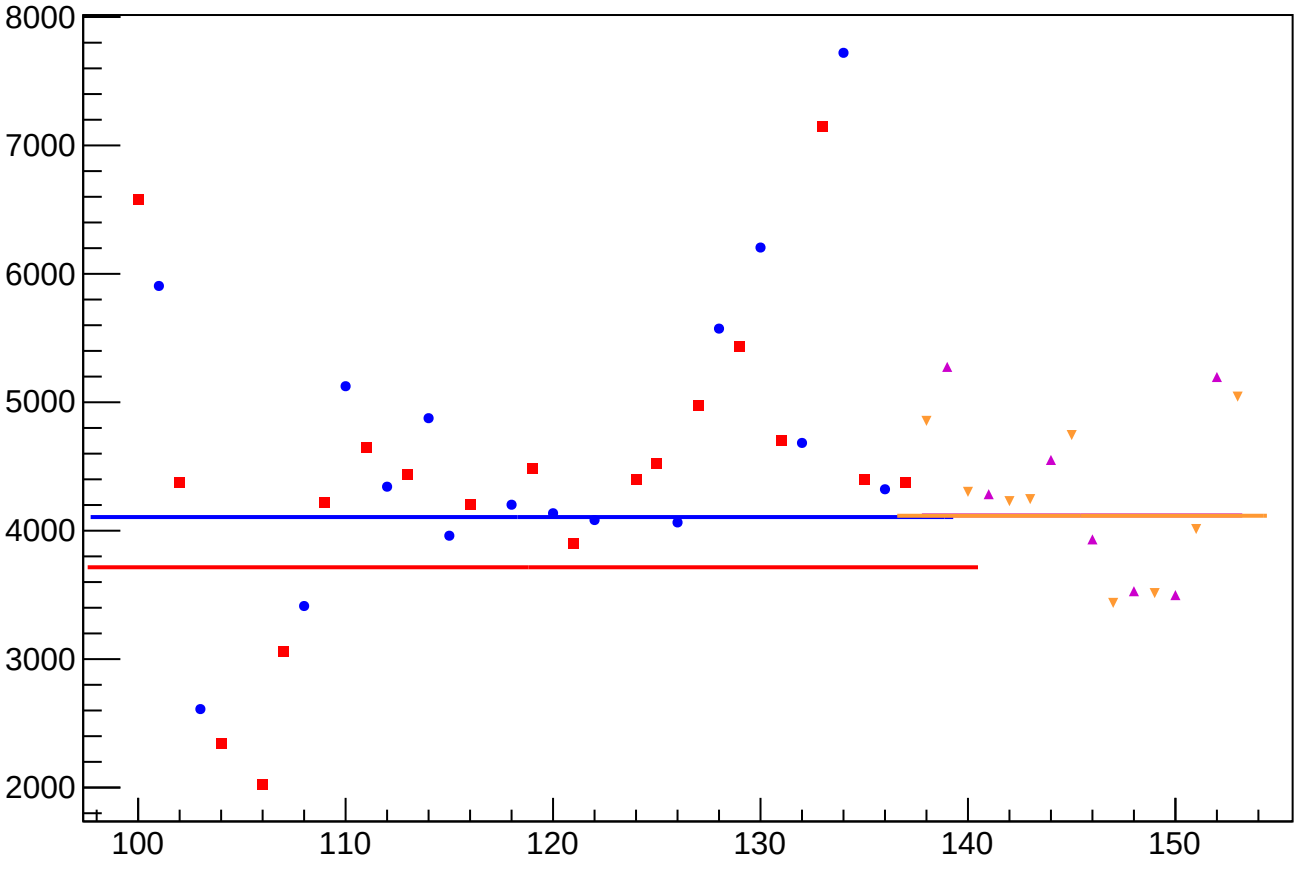
Left: 1432.917+/-1151.066 χ^2/NDF: 11.3/15

Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

In: -195.627+/-1155.346 χ^2/NDF:17.7/22

Out: 604.205+/-1067.194 χ^2/NDF:26.8/27

All: 235.963+/-783.934 χ^2/NDF: 44.8/50



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4116.431+/-1.113 χ^2/NDF:238842.4/8

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4118.861+/-1.193 χ^2/NDF:281093.3/6

Left: 4117.562+/-0.814 χ^2/NDF: 519937.9/15

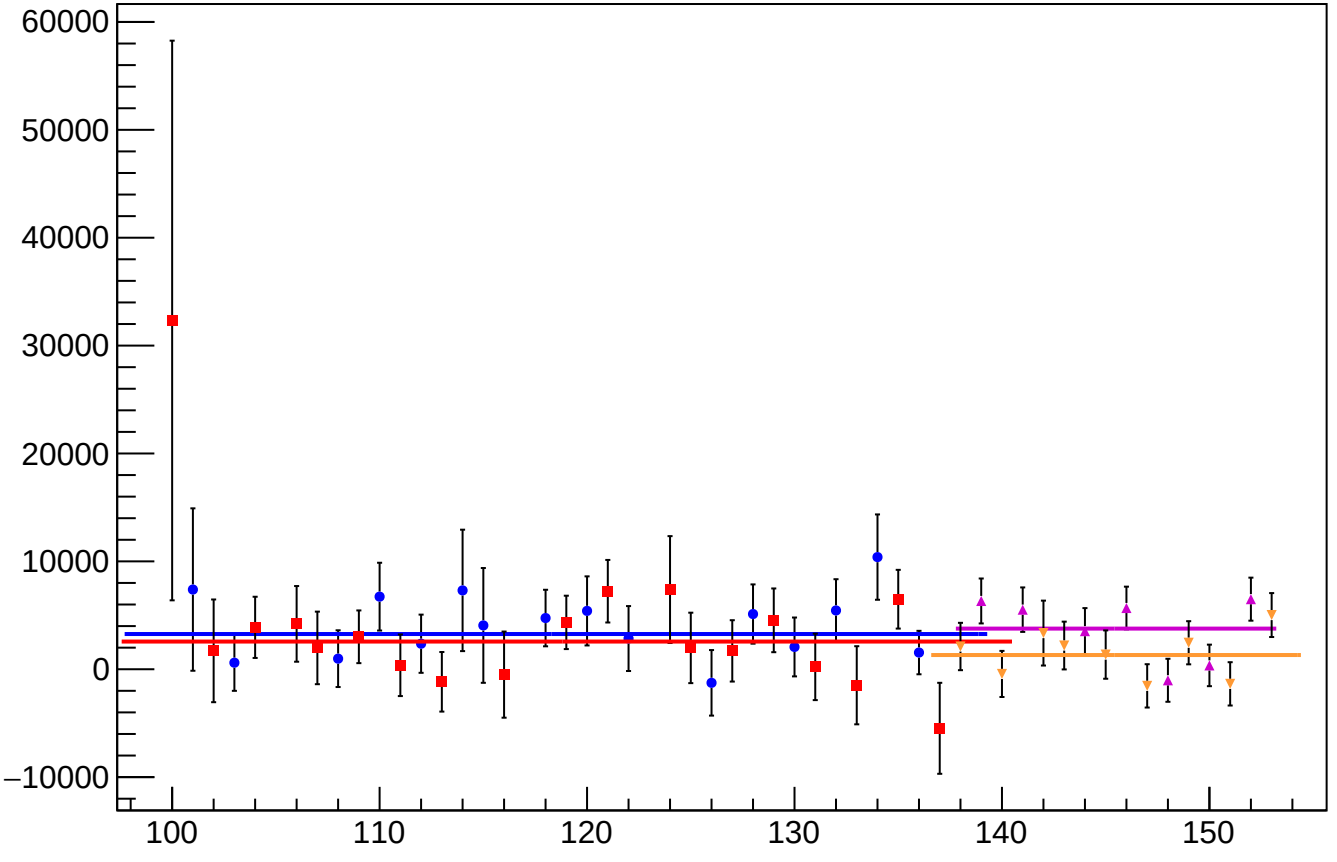
Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4112.155+/-0.817 χ^2/NDF:1236784.0/22

Out: 3899.548+/-0.755 χ^2/NDF:1644153.7/27

All: 3997.432+/-0.554 χ^2/NDF: 2917483.3/50

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1317.190+/-720.255 χ^2/NDF:8.9/8

Right Out: 2566.683+/-734.876 χ^2/NDF: 17.0/18

Left In: 3767.058+/-763.830 χ^2/NDF:14.0/6

Left: 2470.253+/-524.025 χ^2/NDF: 28.3/15

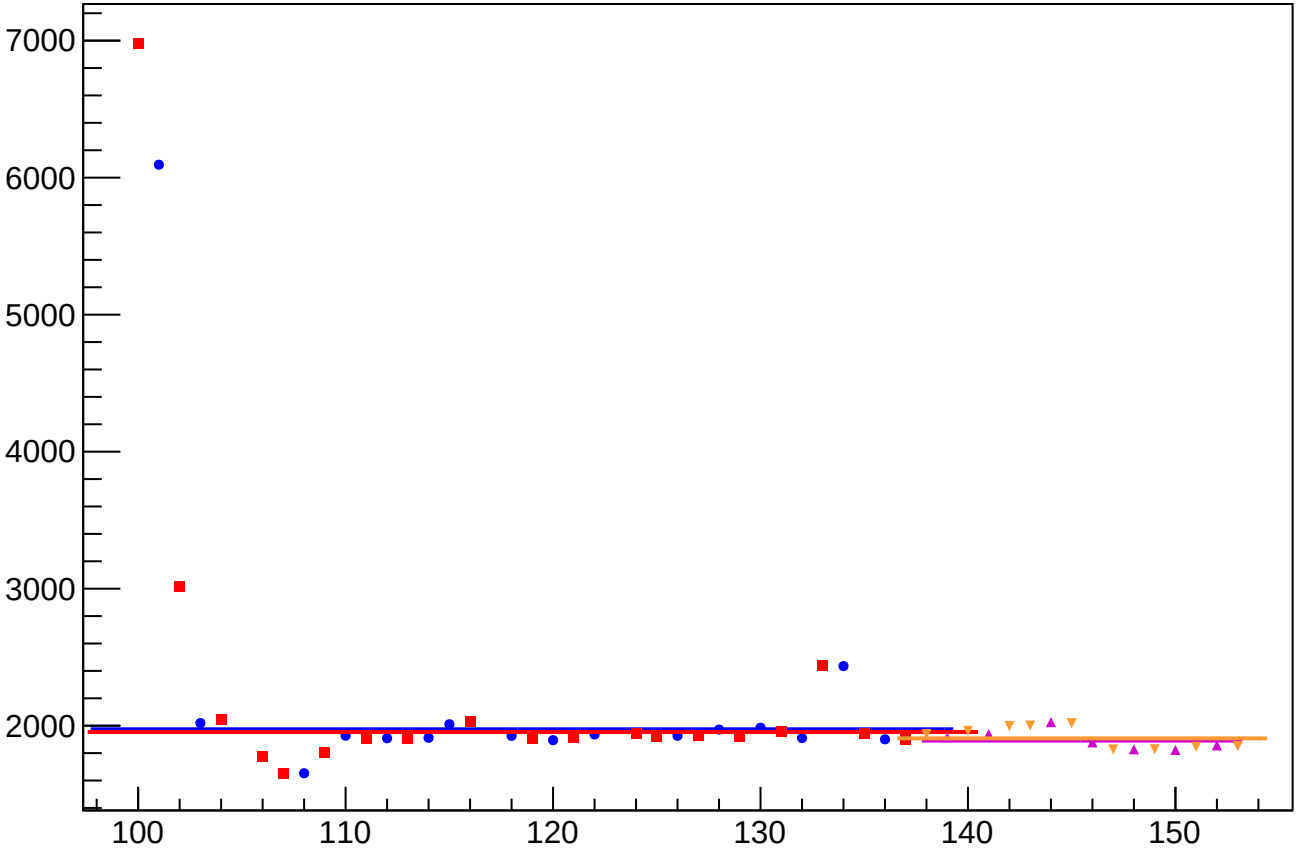
Right: 2908.151+/-525.197 χ^2/NDF: 29.6/34

In: 3511.548+/-535.467 χ^2/NDF:26.4/22

Out: 1929.383+/-514.388 χ^2/NDF:27.3/27

All: 2688.713+/-370.955 χ^2/NDF: 58.2/50

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1907.812+/-0.509 χ^2/NDF:21775.5/8

Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1891.401+/-0.540 χ^2/NDF:14519.2/6

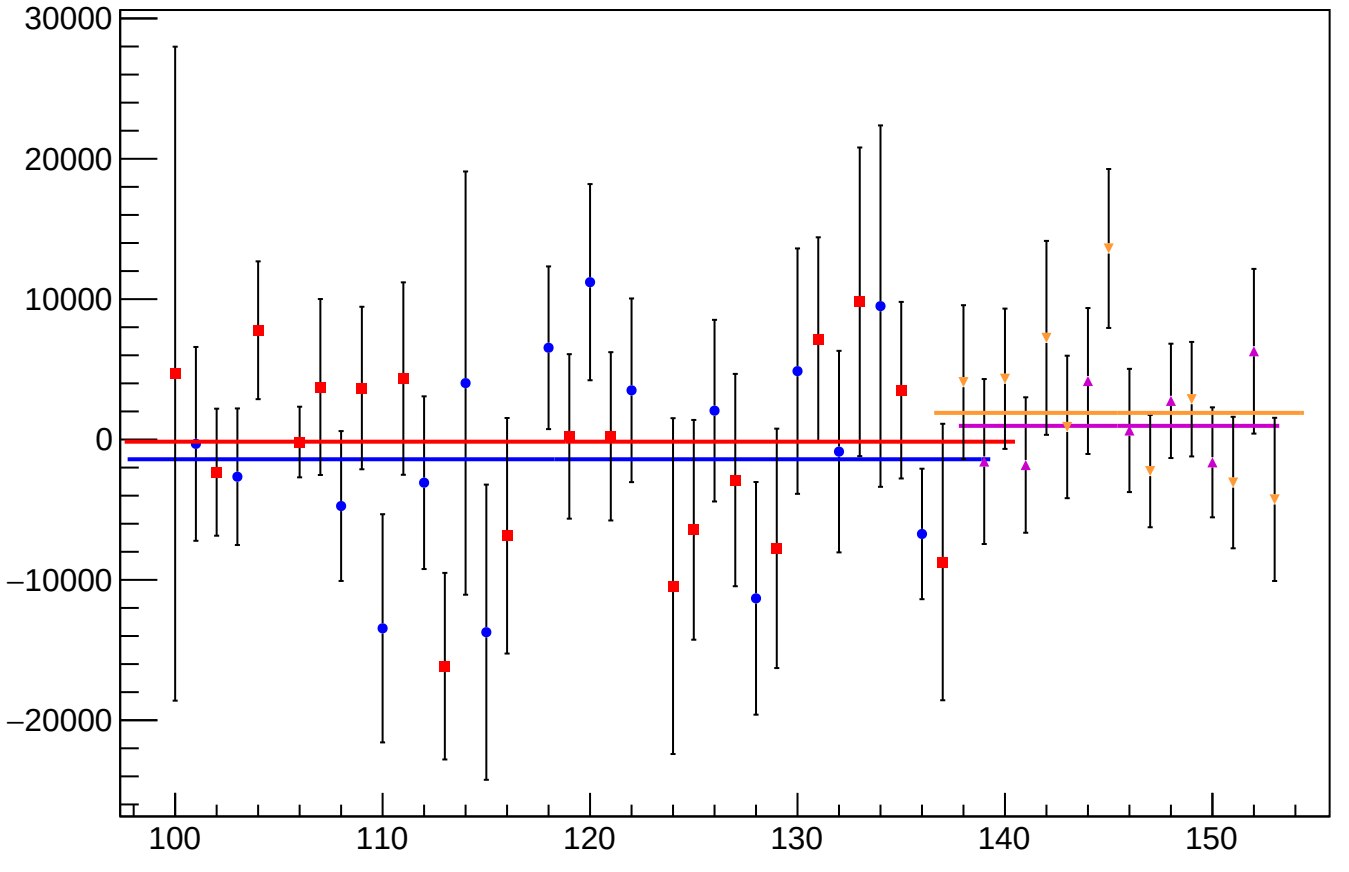
Left: 1900.088+/-0.371 χ^2/NDF: 36783.4/15

Right: 1963.826+/-0.371 χ^2/NDF: 912018.7/34

In: 1933.279+/-0.379 χ^2/NDF:691464.9/22

Out: 1930.629+/-0.364 χ^2/NDF:272079.5/27

All: 1931.900+/-0.262 χ^2/NDF: 963569.9/50



Right In: -1407.382+/-1689.989 χ^2/NDF: 14.2/15

Left Out: 1896.982+/-1662.143 χ^2/NDF:8.7/8

Right Out: -155.271+/-1363.642 χ^2/NDF: 15.8/18

Left In: 973.088+/-1781.089 χ^2/NDF:2.4/6

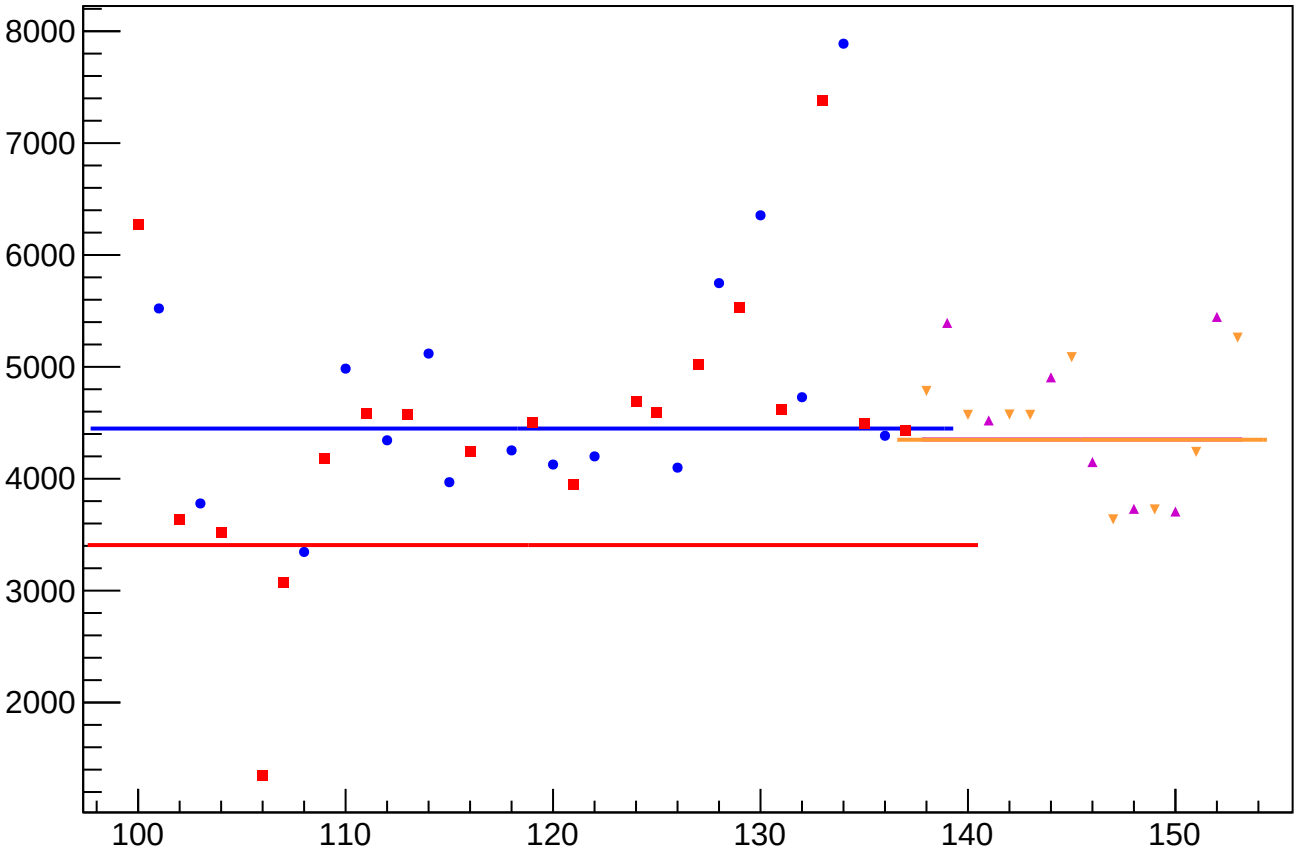
Left: 1466.913+/-1215.189 χ^2/NDF: 11.2/15

Right: -649.023+/-1061.247 χ^2/NDF: 30.4/34

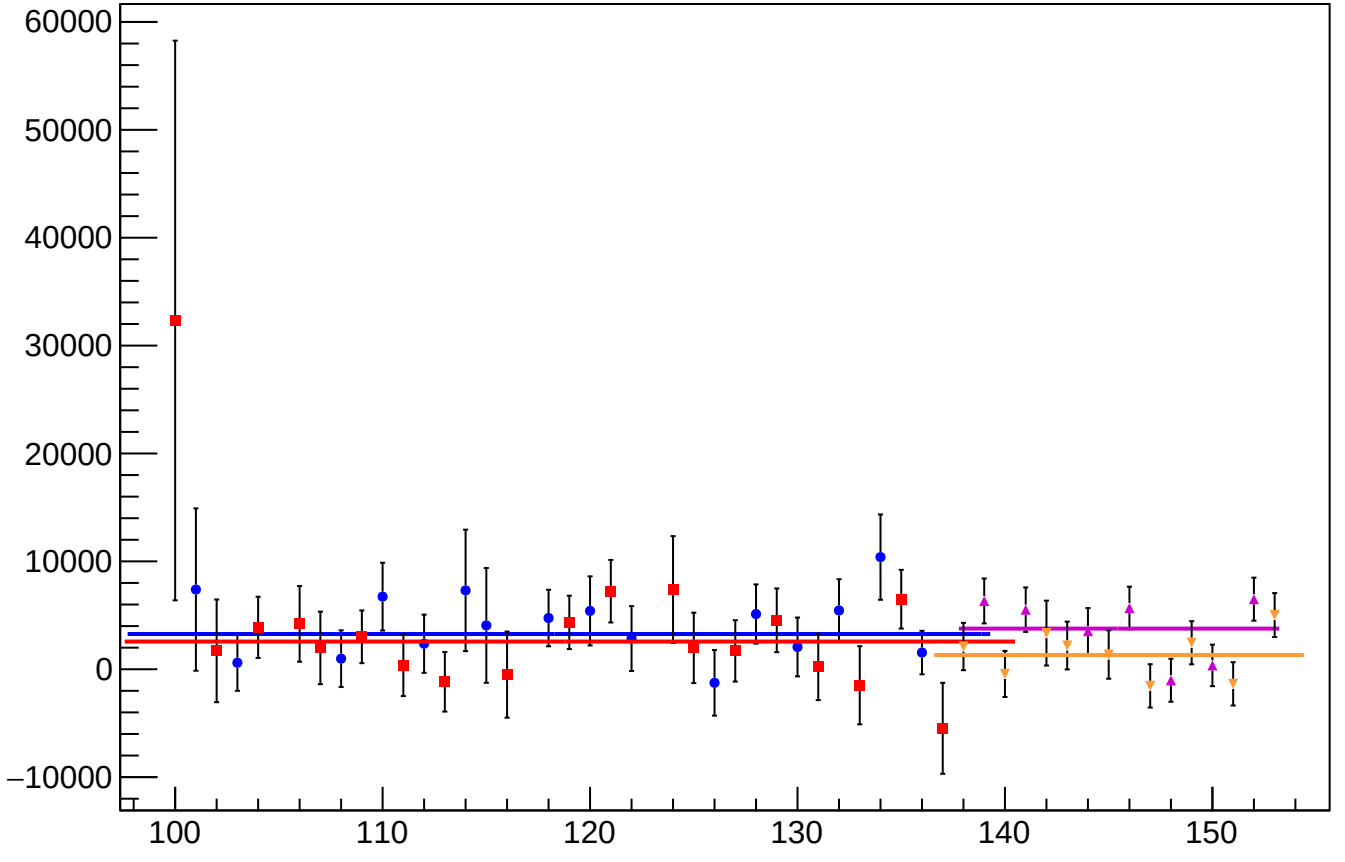
In: -279.580+/-1225.944 χ^2/NDF:17.5/22

Out: 670.348+/-1054.248 χ^2/NDF:25.4/27

All: 266.509+/-799.336 χ^2/NDF: 43.3/50


asym_atr_avg_dit_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
Right In: 4448.711+/-1.195 χ²/NDF: 494613.5/15
Left Out: 4348.752+/-1.175 χ²/NDF:216853.4/8
Right Out: 3407.128+/-0.964 χ²/NDF: 2326060.4/18
Left In: 4351.394+/-1.259 χ²/NDF:262439.9/6
Left: 4349.982+/-0.859 χ²/NDF: 479295.6/15
Right: 3817.861+/-0.750 χ²/NDF: 3280806.0/34
In: 4402.605+/-0.867 χ²/NDF:760195.4/22
Out: 3785.942+/-0.745 χ²/NDF:2926561.5/27
All: 4048.101+/-0.565 χ²/NDF: 3977666.4/50

eigen_dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1317.188+/-720.255 χ^2/NDF:8.9/8

Right Out: 2566.689+/-734.875 χ^2/NDF: 17.0/18

Left In: 3767.054+/-763.830 χ^2/NDF:14.0/6

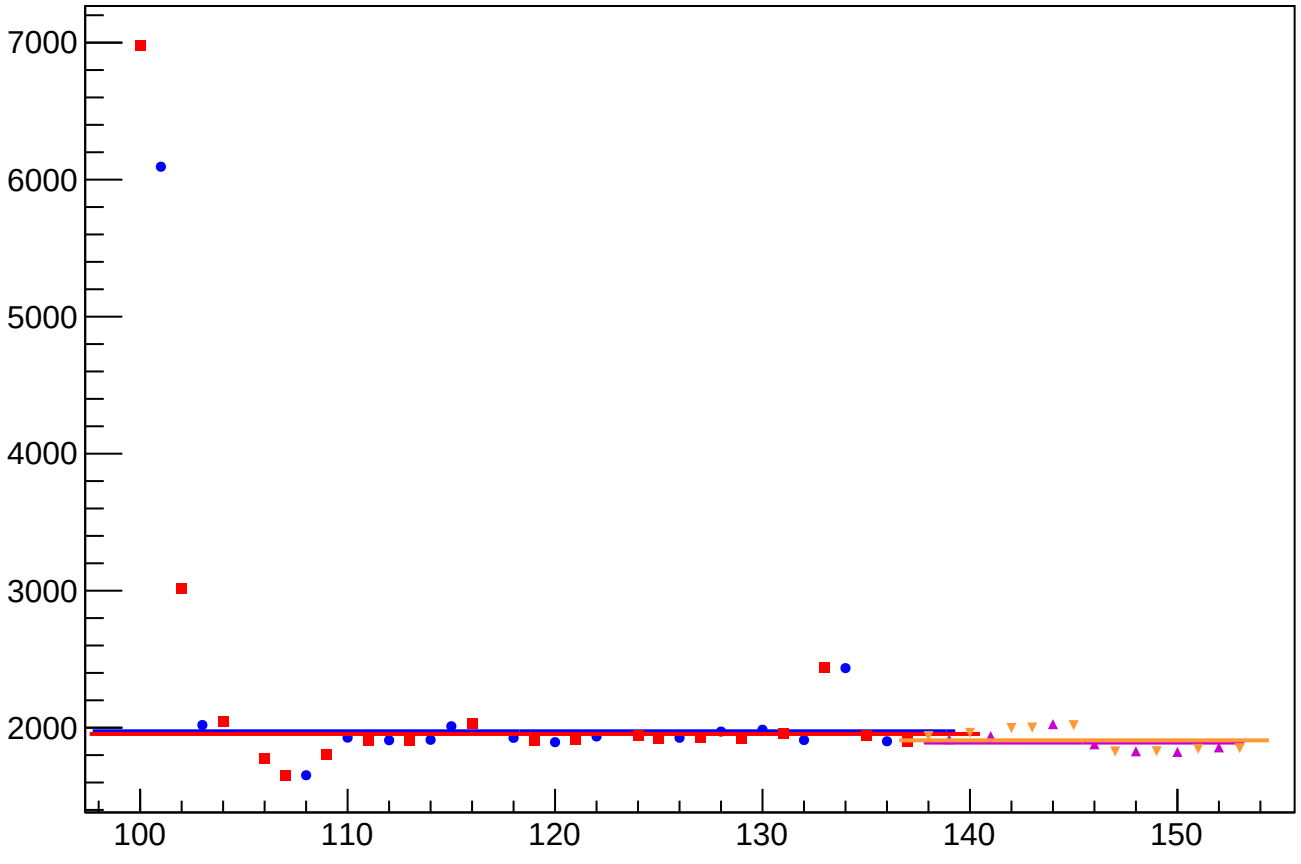
Left: 2470.251+/-524.025 χ^2/NDF: 28.3/15

Right: 2908.156+/-525.197 χ^2/NDF: 29.6/34

In: 3511.549+/-535.467 χ^2/NDF:26.4/22

Out: 1929.385+/-514.388 χ^2/NDF:27.3/27

All: 2688.714+/-370.955 χ^2/NDF: 58.2/50



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1907.813+/-0.509 χ^2/NDF:21775.7/8

Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1891.402+/-0.540 χ^2/NDF:14519.1/6

Left: 1900.089+/-0.371 χ^2/NDF: 36783.5/15

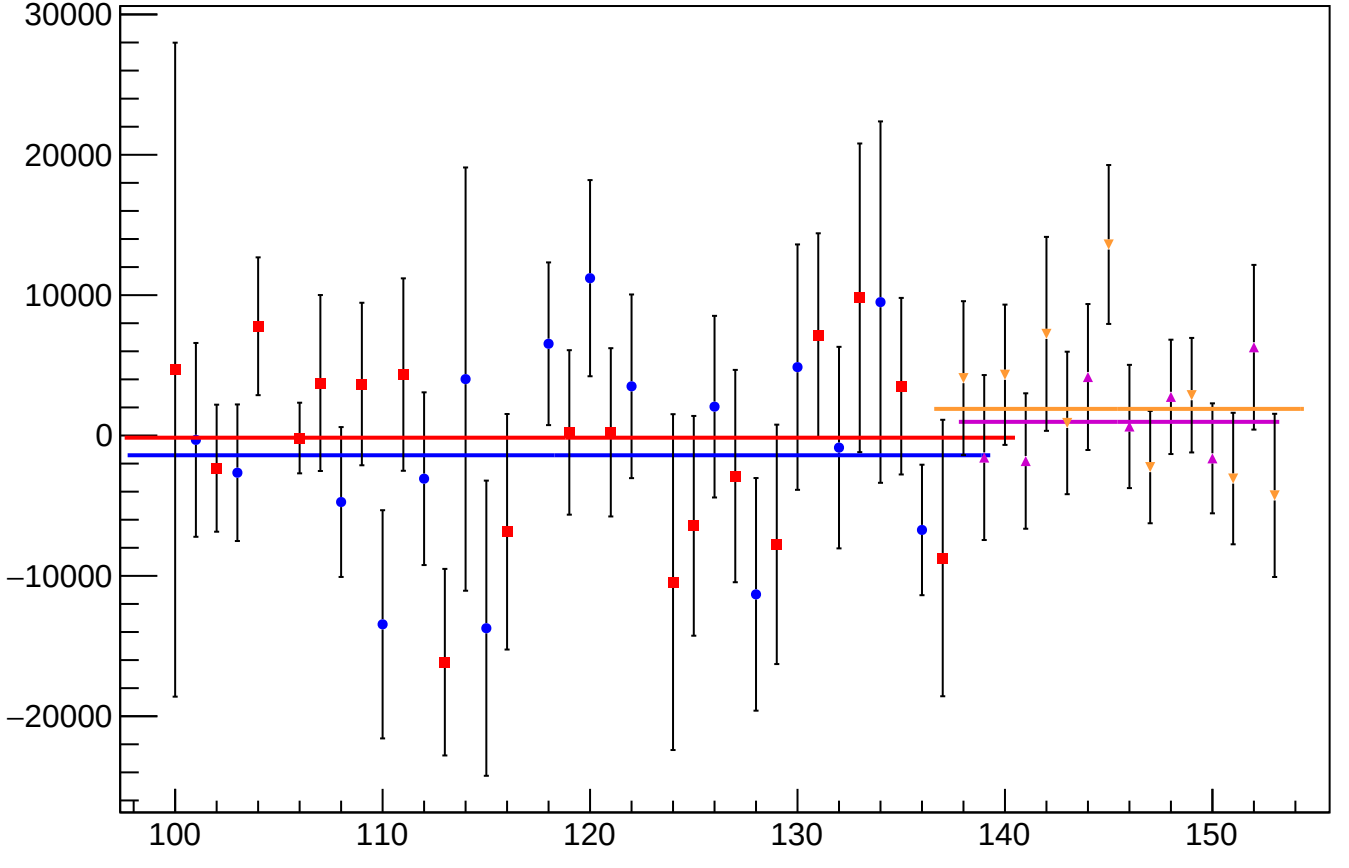
Right: 1963.826+/-0.371 χ^2/NDF: 912018.2/34

In: 1933.280+/-0.379 χ^2/NDF:691464.6/22

Out: 1930.629+/-0.364 χ^2/NDF:272079.0/27

All: 1931.900+/-0.262 χ^2/NDF: 963569.0/50

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: 1896.980+/-1662.145 χ^2/NDF:8.7/8

Right Out: -155.272+/-1363.639 χ^2/NDF: 15.8/18

Left In: 973.085+/-1781.091 χ^2/NDF:2.4/6

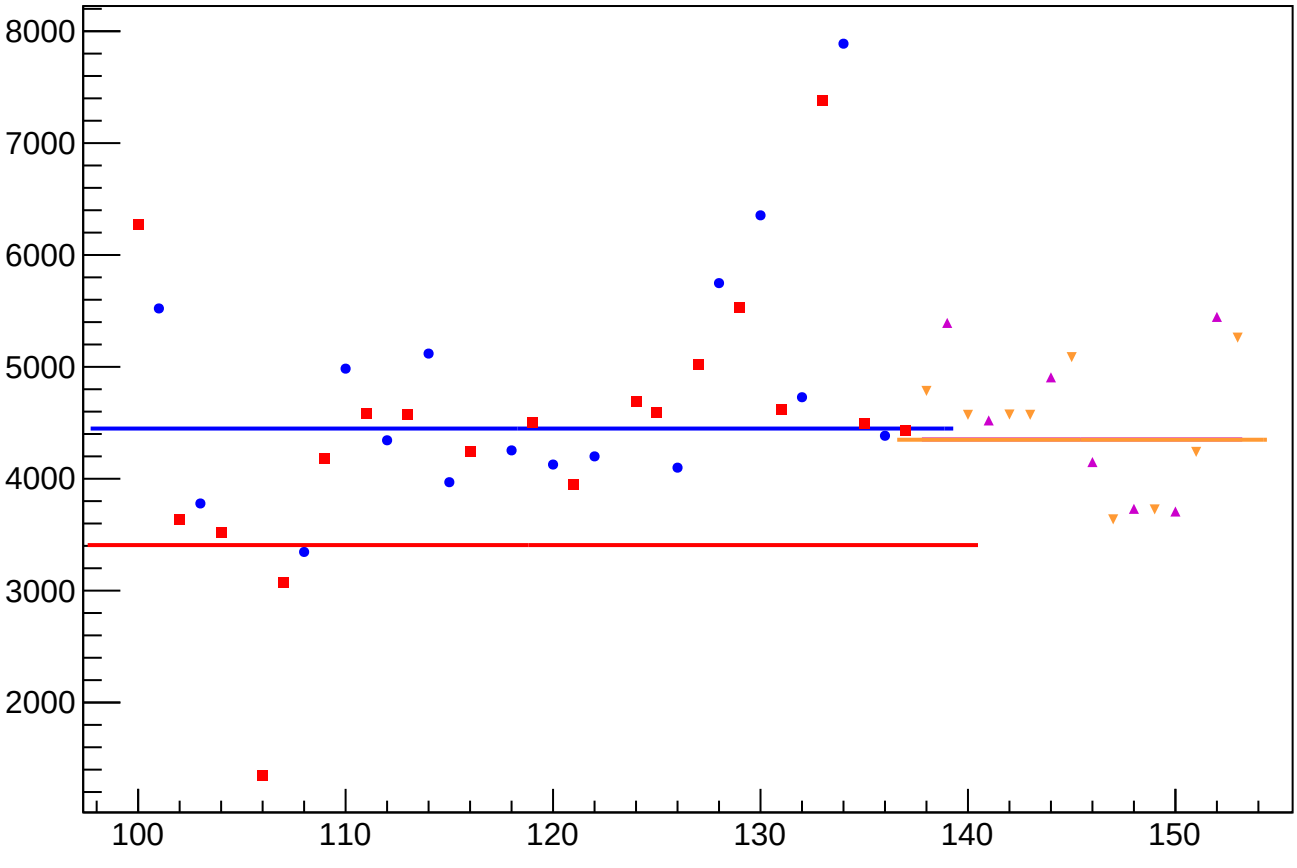
Left: 1466.911+/-1215.190 χ^2/NDF: 11.2/15

Right: -649.016+/-1061.245 χ^2/NDF: 30.4/34

In: -279.576+/-1225.943 χ^2/NDF:17.5/22

Out: 670.342+/-1054.247 χ^2/NDF:25.4/27

All: 266.508+/-799.335 χ^2/NDF: 43.3/50



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4348.758+/-1.175 χ^2/NDF:216852.9/8

Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 4351.401+/-1.259 χ^2/NDF:262438.3/6

Left: 4349.988+/-0.859 χ^2/NDF: 479293.5/15

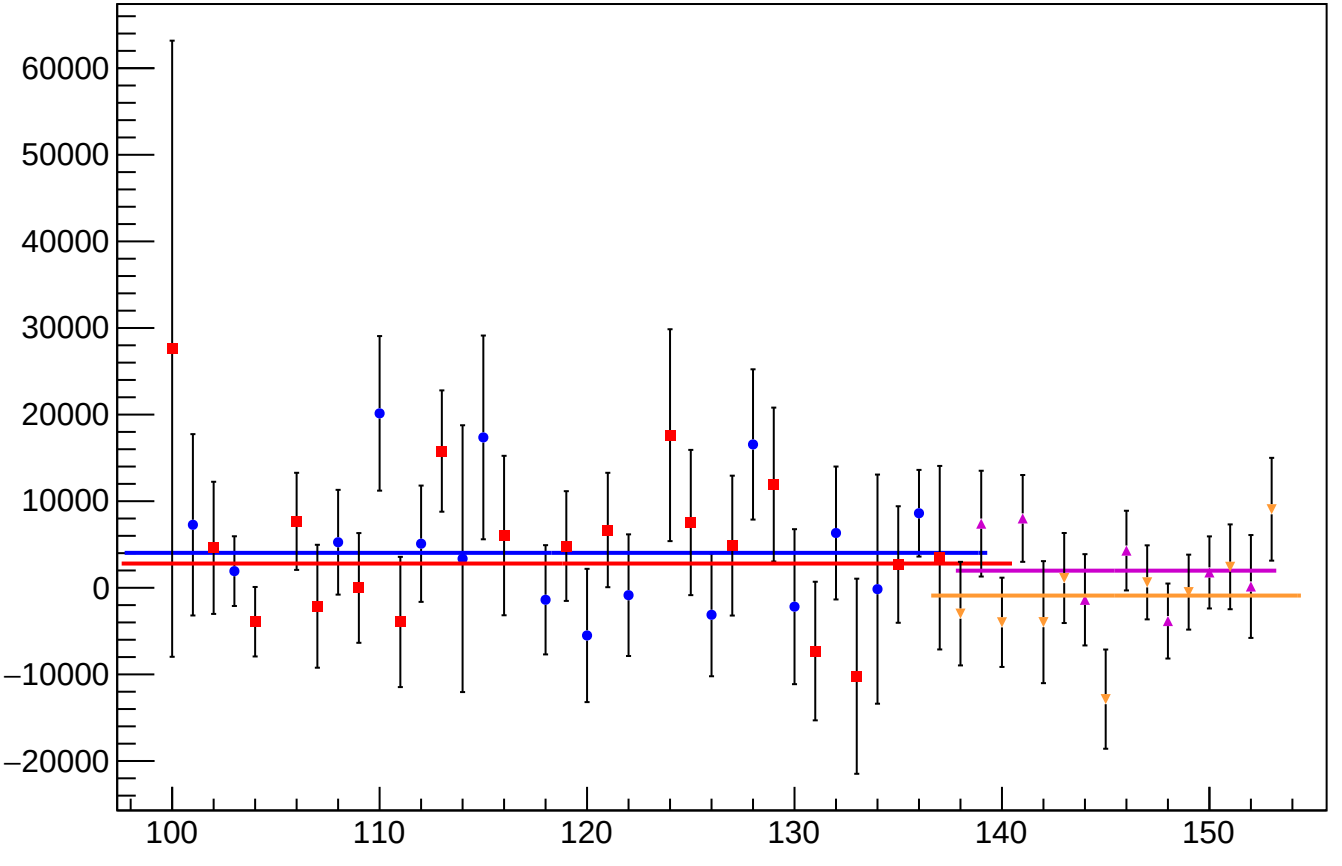
Right: 3817.853+/-0.750 χ^2/NDF: 3280809.4/34

In: 4402.604+/-0.867 χ^2/NDF:760190.0/22

Out: 3785.938+/-0.745 χ^2/NDF:2926576.4/27

All: 4048.098+/-0.565 χ^2/NDF: 3977679.4/50

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: -896.806+/-1737.070 χ^2/NDF:8.6/8

Right Out: 2800.547+/-1671.877 χ^2/NDF: 15.4/18

Left In: 1978.693+/-1859.335 χ^2/NDF:4.8/6

Left: 443.299+/-1269.318 χ^2/NDF: 14.7/15

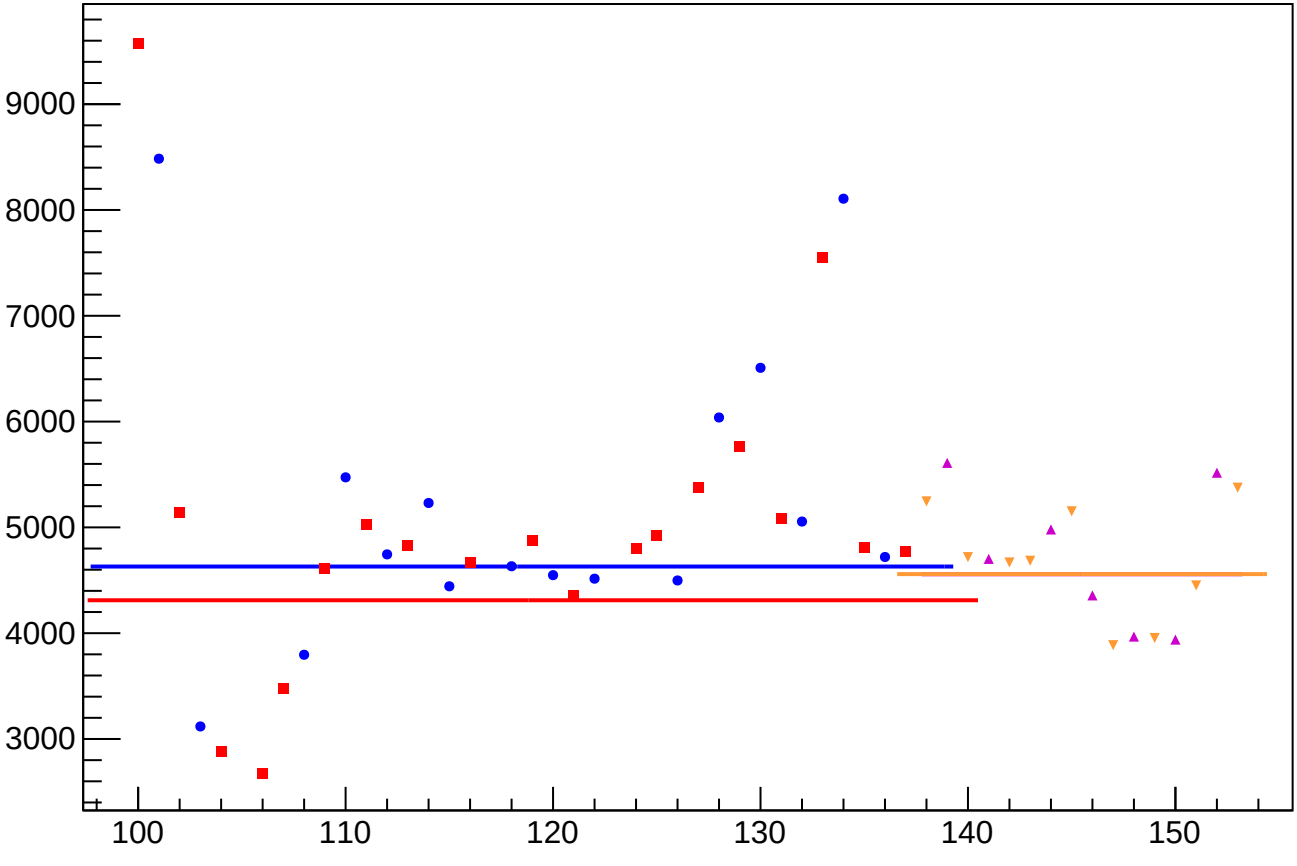
Right: 3378.243+/-1219.278 χ^2/NDF: 28.0/34

In: 3050.258+/-1286.547 χ^2/NDF:17.8/22

Out: 1022.553+/-1204.583 χ^2/NDF:26.4/27

All: 1969.762+/-879.318 χ^2/NDF: 45.5/50

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 4558.342+/-1.228 χ^2/NDF:178659.3/8

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

Left In: 4556.836+/-1.315 χ^2/NDF:211069.8/6

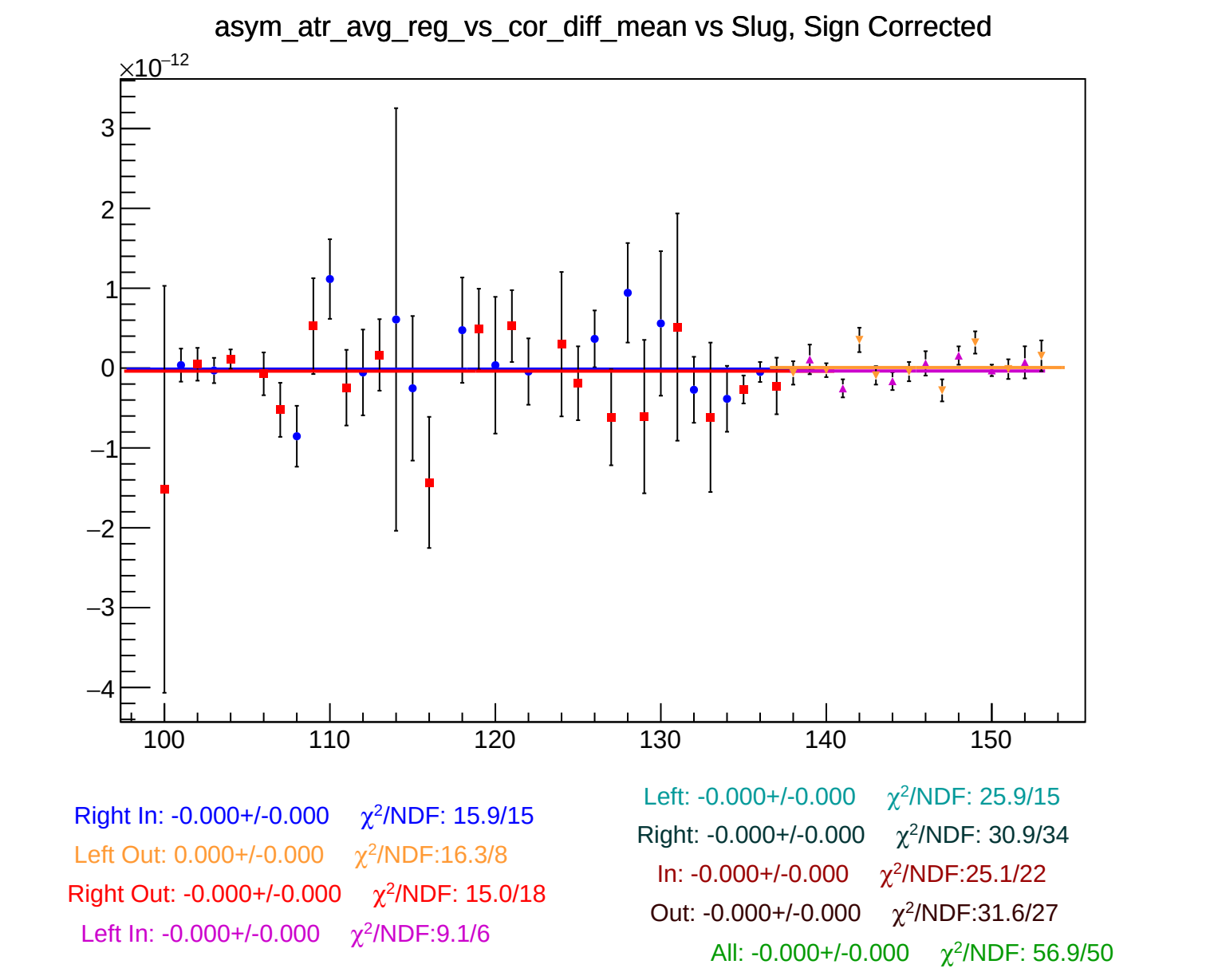
Left: 4557.640+/-0.898 χ^2/NDF: 389729.8/15

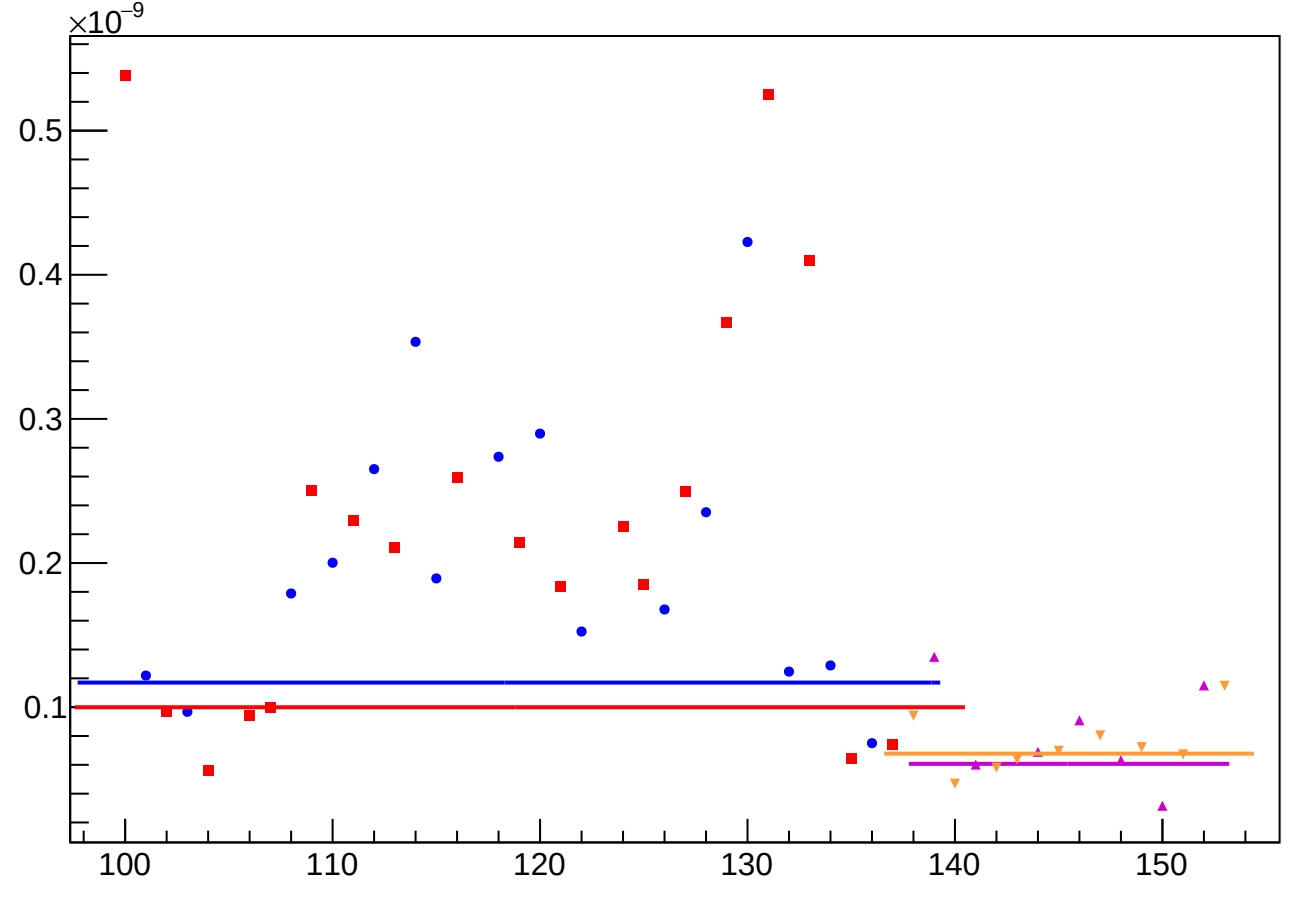
Right: 4459.059+/-0.858 χ^2/NDF: 1839292.8/34

In: 4594.953+/-0.910 χ^2/NDF:1112928.8/22

Out: 4428.984+/-0.848 χ^2/NDF:1104585.2/27

All: 4506.140+/-0.620 χ^2/NDF: 2235324.9/50


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
Right In: -0.000+/-0.000 χ²/NDF: 15.9/15
Left Out: 0.000+/-0.000 χ²/NDF:16.3/8
Right Out: -0.000+/-0.000 χ²/NDF: 15.0/18
Left In: -0.000+/-0.000 χ²/NDF:9.1/6
Left: -0.000+/-0.000 χ²/NDF: 25.9/15
Right: -0.000+/-0.000 χ²/NDF: 30.9/34
In: -0.000+/-0.000 χ²/NDF:25.1/22
Out: -0.000+/-0.000 χ²/NDF:31.6/27
All: -0.000+/-0.000 χ²/NDF: 56.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 1100462.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:328975.4/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1844111.3/18

Left In: 0.000+/-0.000 χ^2/NDF:884285.0/6

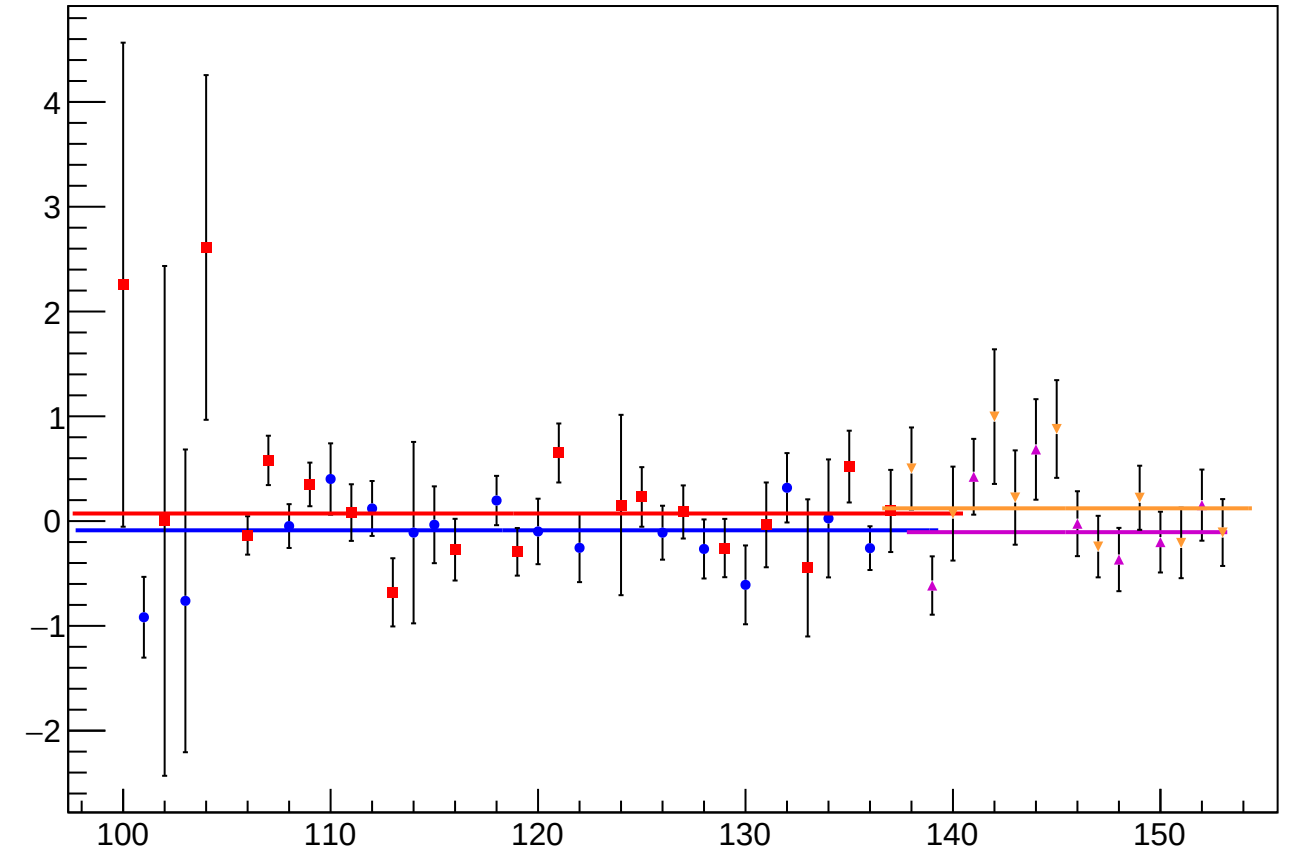
Left: 0.000+/-0.000 χ^2/NDF: 1240395.3/15

Right: 0.000+/-0.000 χ^2/NDF: 2997940.6/34

In: 0.000+/-0.000 χ^2/NDF:2821641.9/22

Out: 0.000+/-0.000 χ^2/NDF:2466848.3/27

All: 0.000+/-0.000 χ^2/NDF: 5289250.6/50



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.122+/-0.125 χ^2/NDF:8.6/8

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.106+/-0.122 χ^2/NDF:9.7/6

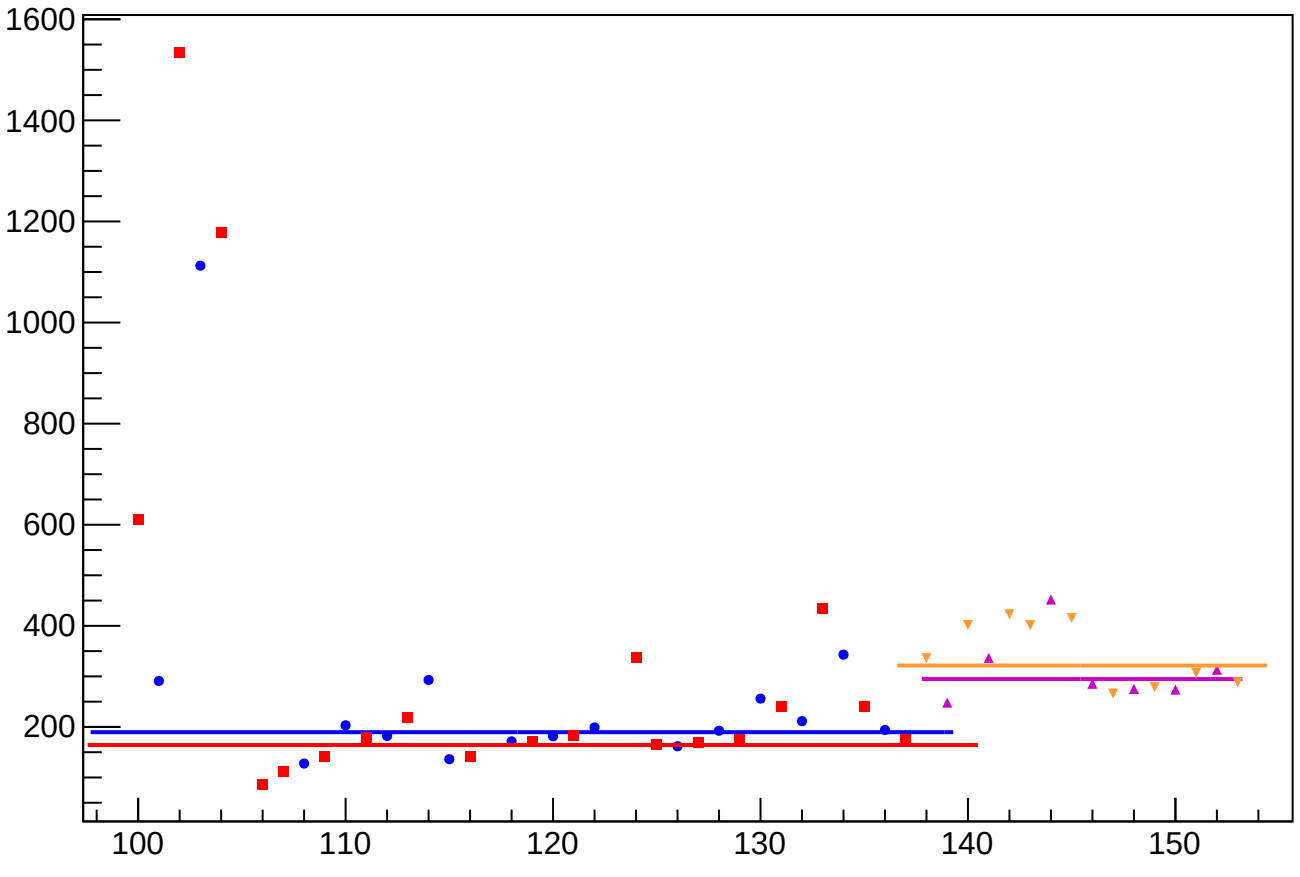
Left: 0.006+/-0.087 χ^2/NDF: 20.0/15

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.093+/-0.065 χ^2/NDF:23.6/22

Out: 0.084+/-0.061 χ^2/NDF:37.4/27

All: 0.001+/-0.045 χ^2/NDF: 64.9/50



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 321.539+/-0.088 χ^2/NDF:396899.0/8

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 294.817+/-0.086 χ^2/NDF:324158.3/6

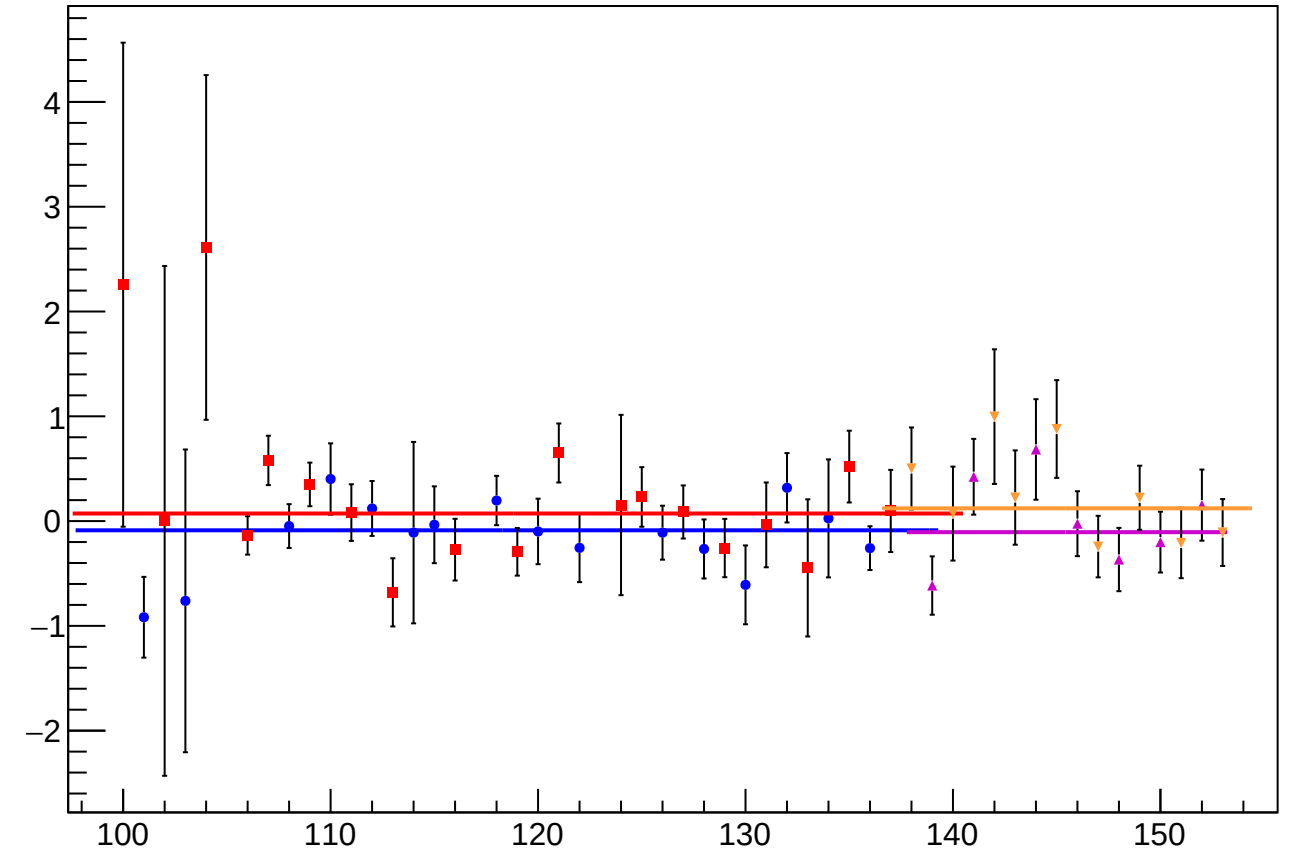
Left: 307.932+/-0.062 χ^2/NDF: 767899.2/15

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 219.349+/-0.046 χ^2/NDF:2850583.3/22

Out: 202.024+/-0.043 χ^2/NDF:5461574.3/27

All: 210.139+/-0.031 χ^2/NDF: 8387635.0/50



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.122+/-0.125 χ^2/NDF:8.6/8

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.106+/-0.122 χ^2/NDF:9.7/6

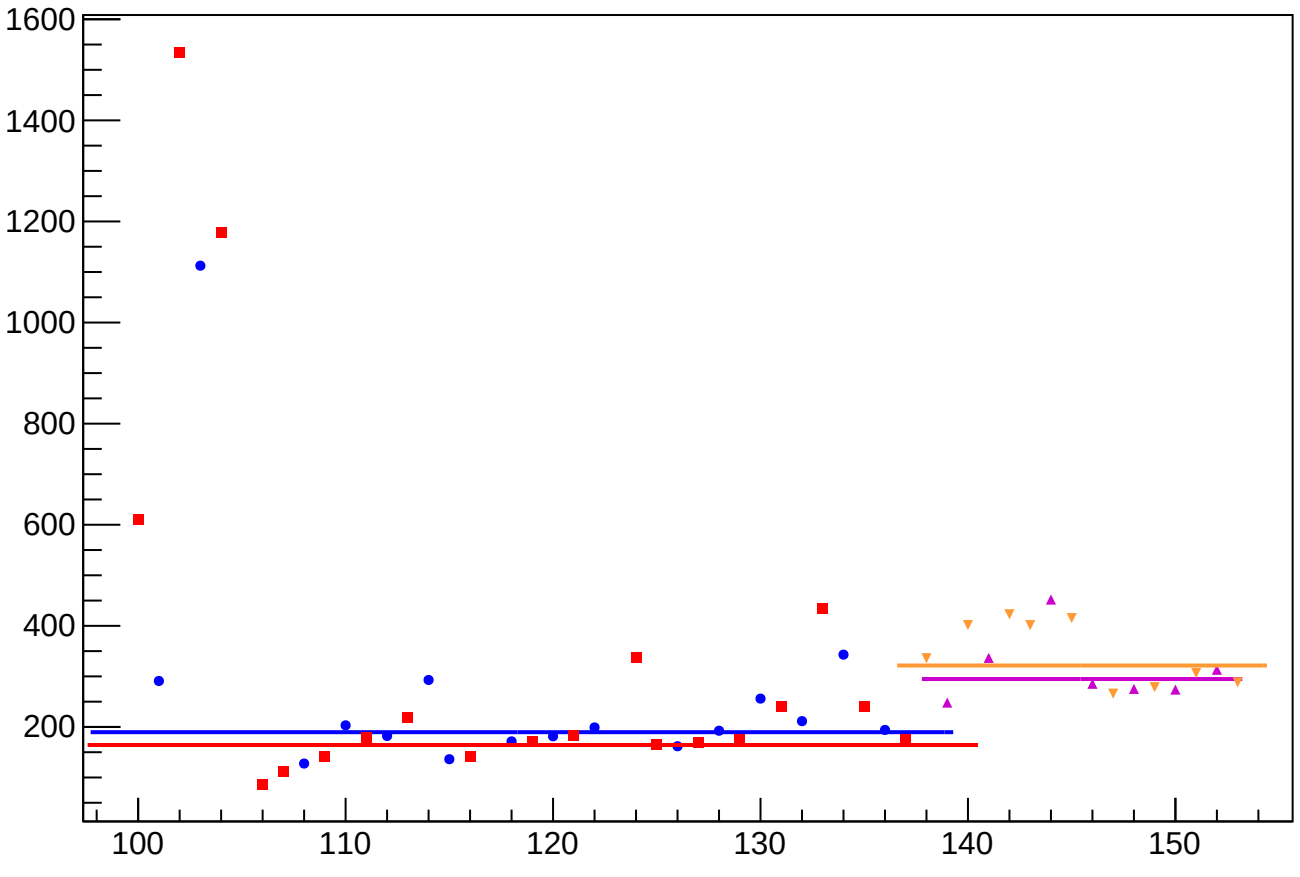
Left: 0.006+/-0.087 χ^2/NDF: 20.0/15

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.093+/-0.065 χ^2/NDF:23.6/22

Out: 0.084+/-0.061 χ^2/NDF:37.4/27

All: 0.001+/-0.045 χ^2/NDF: 64.9/50



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 321.539+/-0.088 χ^2/NDF:396899.0/8

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 294.817+/-0.086 χ^2/NDF:324158.3/6

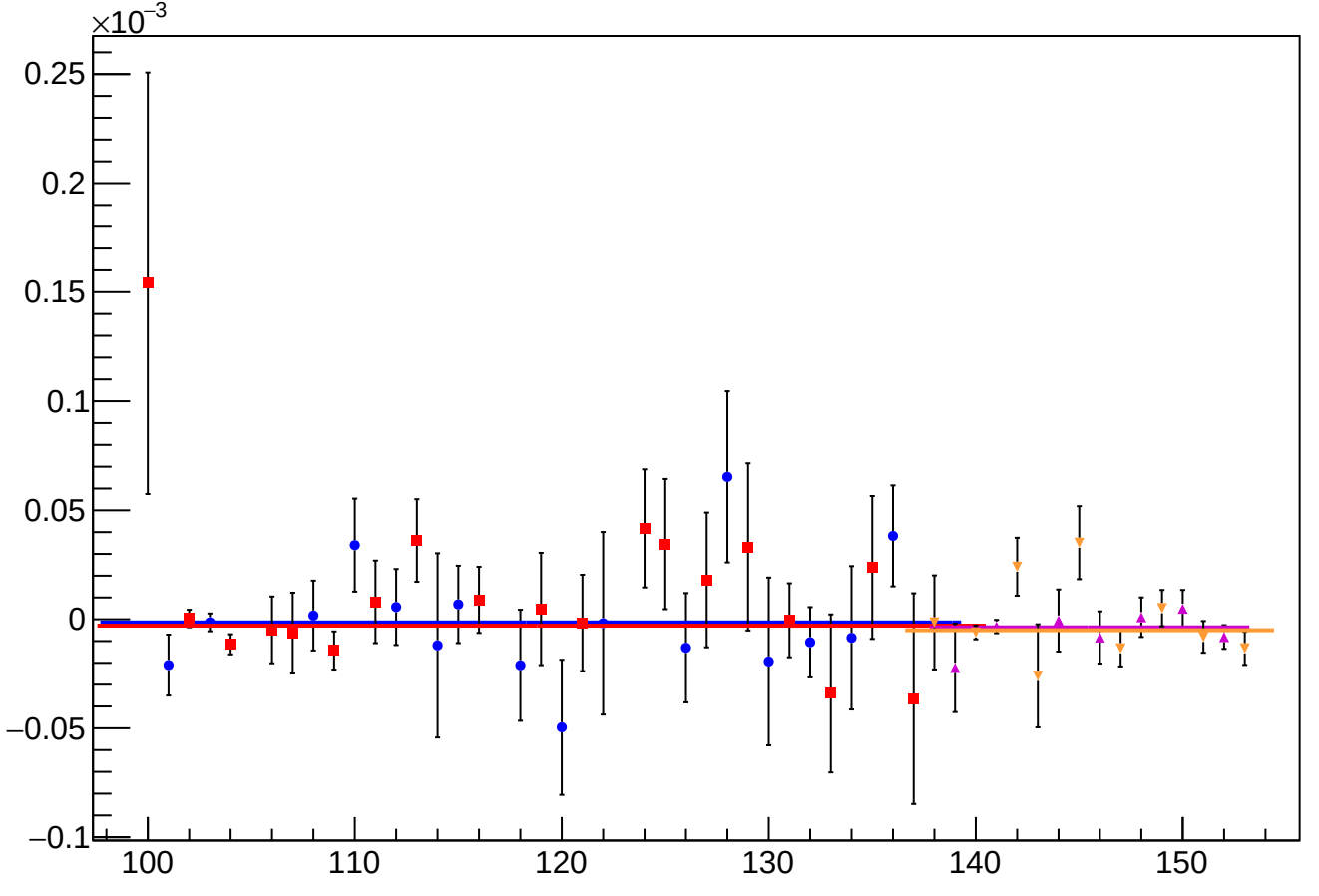
Left: 307.932+/-0.062 χ^2/NDF: 767899.2/15

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 219.349+/-0.046 χ^2/NDF:2850583.3/22

Out: 202.024+/-0.043 χ^2/NDF:5461574.3/27

All: 210.139+/-0.031 χ^2/NDF: 8387635.0/50



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.3/8

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:3.0/6

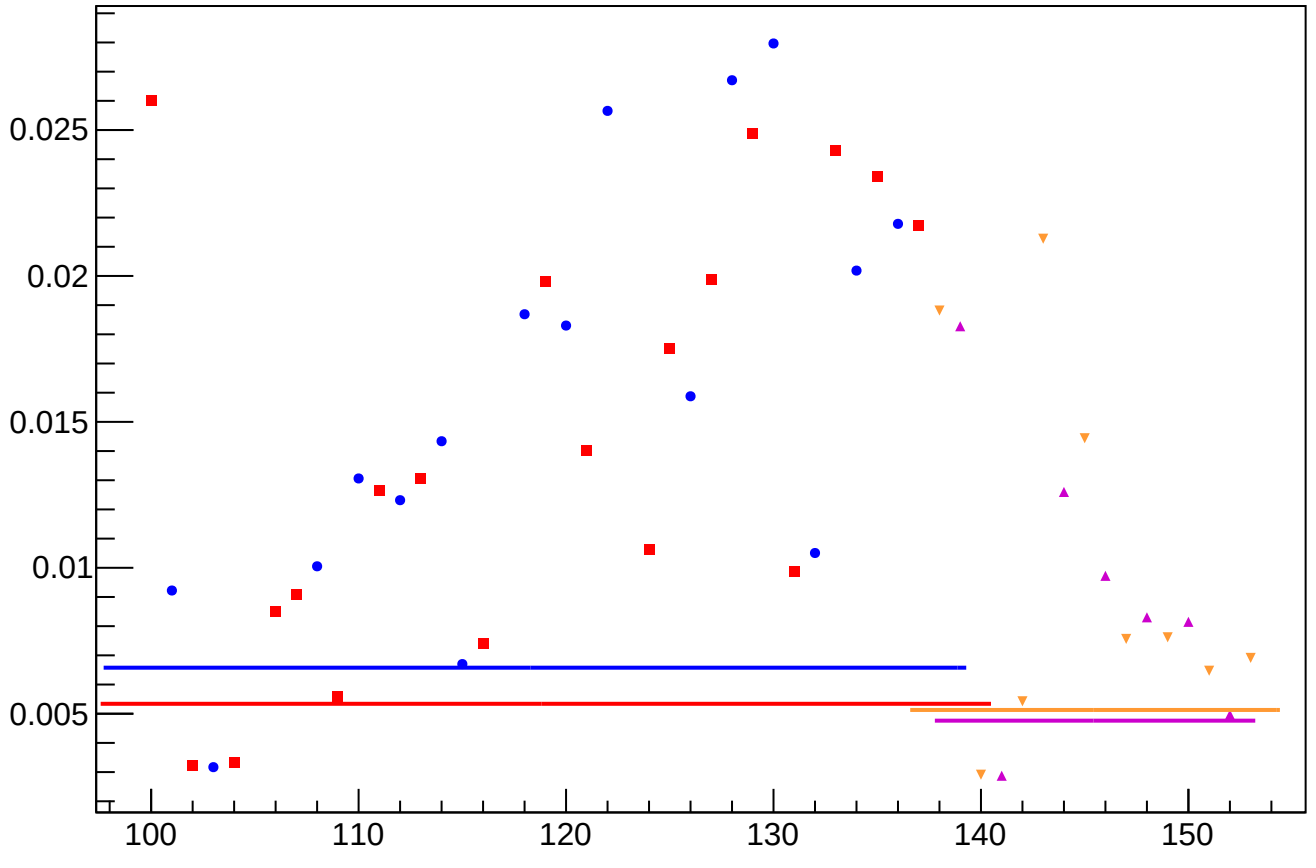
Left: -0.000+/-0.000 χ^2/NDF: 18.4/15

Right: -0.000+/-0.000 χ^2/NDF: 36.3/34

In: -0.000+/-0.000 χ^2/NDF:18.1/22

Out: -0.000+/-0.000 χ^2/NDF:36.9/27

All: -0.000+/-0.000 χ^2/NDF: 55.2/50



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

Left Out: 0.005+/-0.000 χ^2/NDF:3862758.9/8

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

Left In: 0.005+/-0.000 χ^2/NDF:3215692.6/6

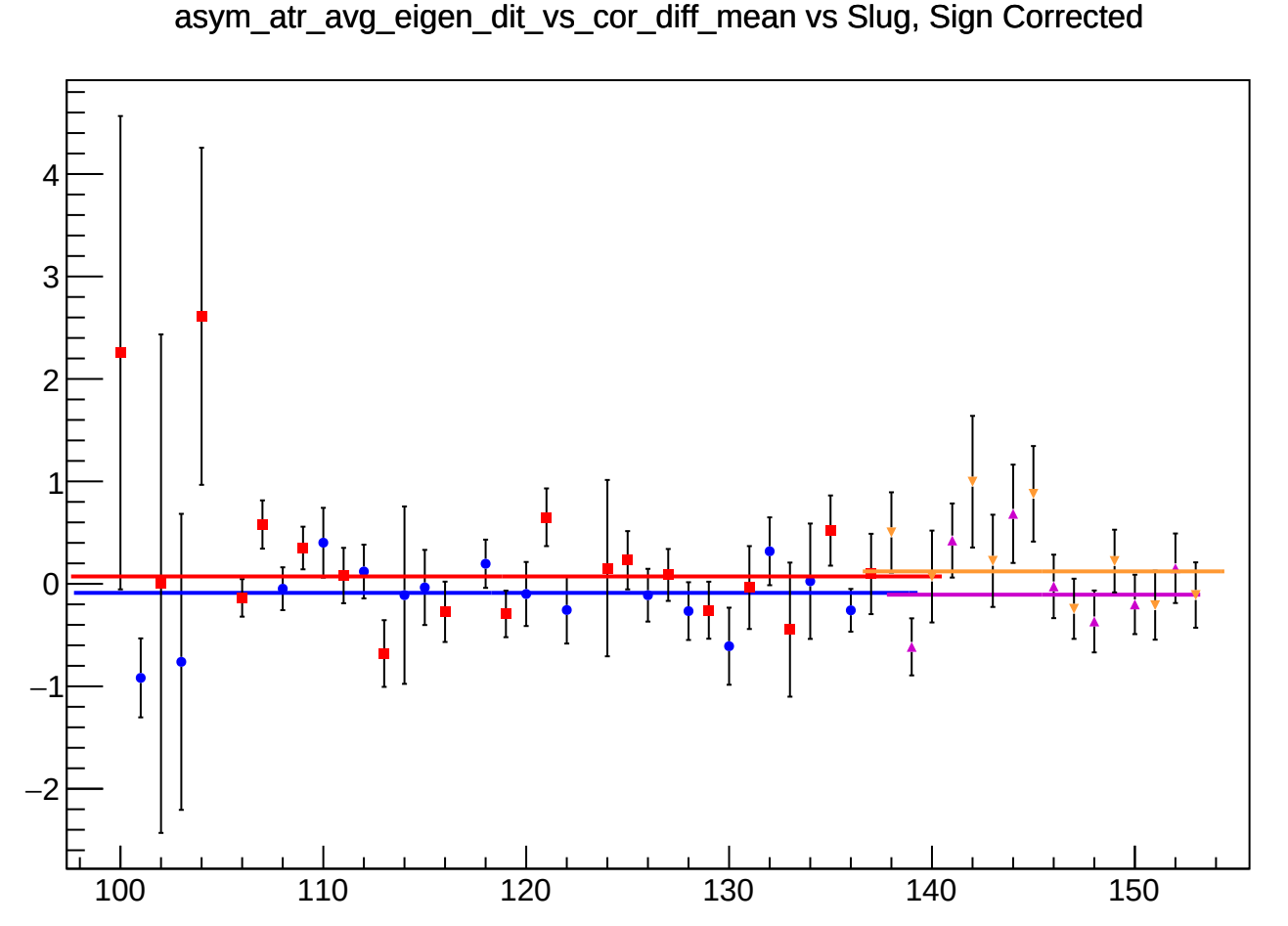
Left: 0.005+/-0.000 χ^2/NDF: 7102523.4/15

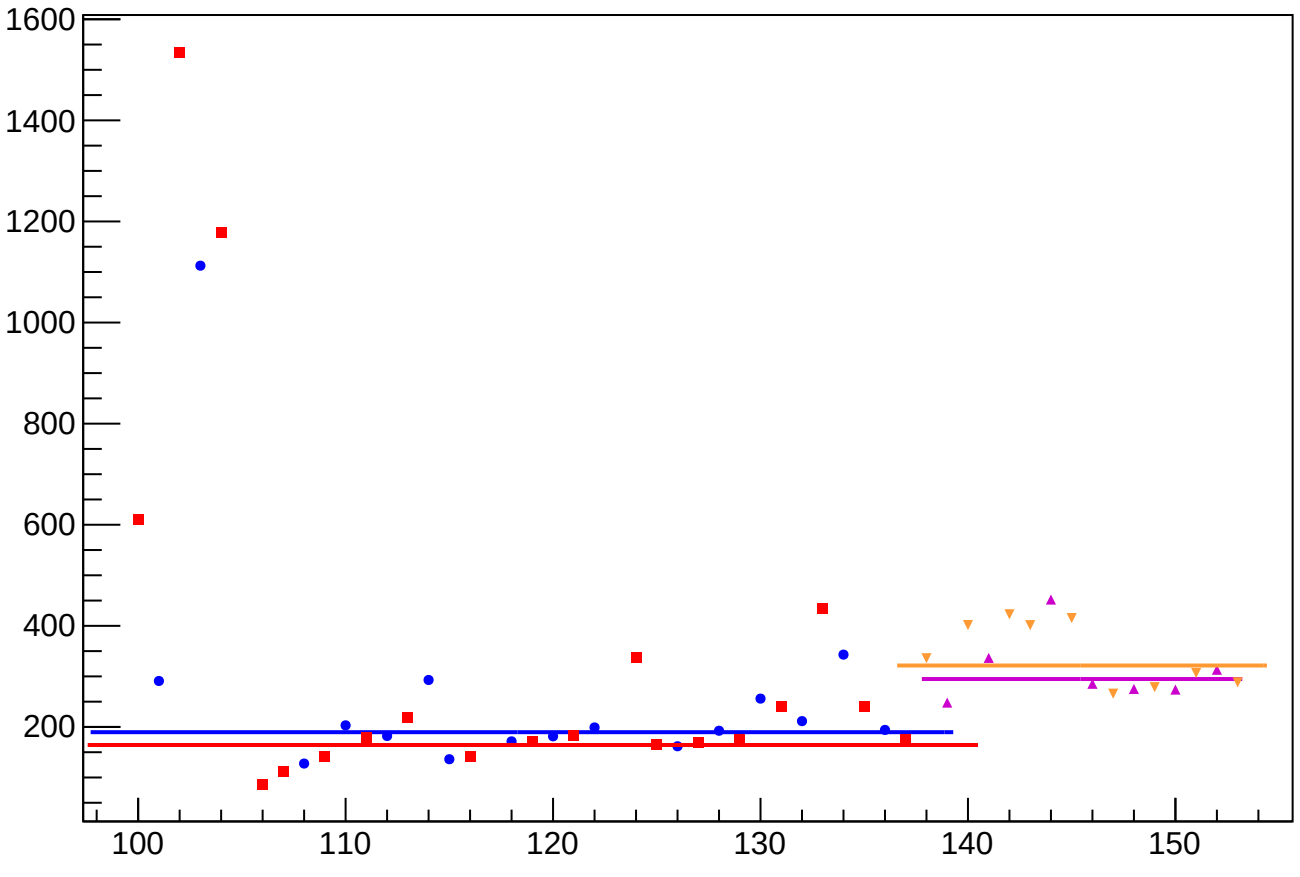
Right: 0.006+/-0.000 χ^2/NDF: 11788382.8/34

In: 0.005+/-0.000 χ^2/NDF:9542795.9/22

Out: 0.005+/-0.000 χ^2/NDF:9555969.6/27

All: 0.005+/-0.000 χ^2/NDF: 19104970.3/50


asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
3
2
1
0
−1
−2
100
110
120
130
140
150
Right In: -0.088+/-0.077 χ²/NDF: 13.9/15
Left Out: 0.122+/-0.125 χ²/NDF:8.6/8
Right Out: 0.072+/-0.070 χ²/NDF: 28.7/18
Left In: -0.106+/-0.122 χ²/NDF:9.7/6
Left: 0.006+/-0.087 χ²/NDF: 20.0/15
Right: -0.000+/-0.052 χ²/NDF: 44.9/34
In: -0.093+/-0.065 χ²/NDF:23.6/22
Out: 0.084+/-0.061 χ²/NDF:37.4/27
All: 0.001+/-0.045 χ²/NDF: 64.9/50



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 321.543+/-0.088 χ^2/NDF:396890.2/8

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 294.821+/-0.087 χ^2/NDF:324141.5/6

Left: 307.936+/-0.062 χ^2/NDF: 767871.8/15

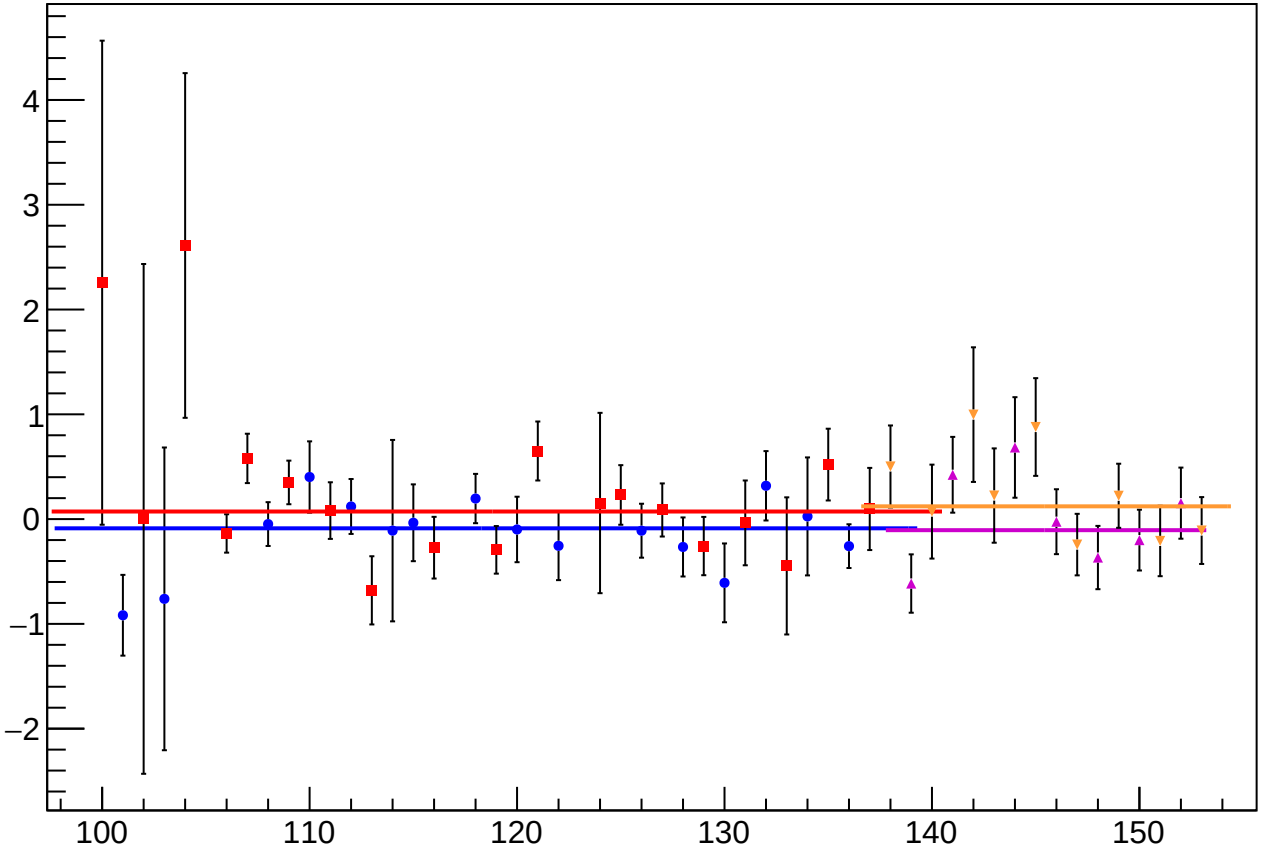
Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 219.349+/-0.046 χ^2/NDF:2850633.0/22

Out: 202.023+/-0.043 χ^2/NDF:5461648.3/27

All: 210.139+/-0.031 χ^2/NDF: 8387763.3/50

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: 0.122+/-0.125 χ^2/NDF:8.6/8

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.106+/-0.122 χ^2/NDF:9.7/6

Left: 0.006+/-0.087 χ^2/NDF: 20.0/15

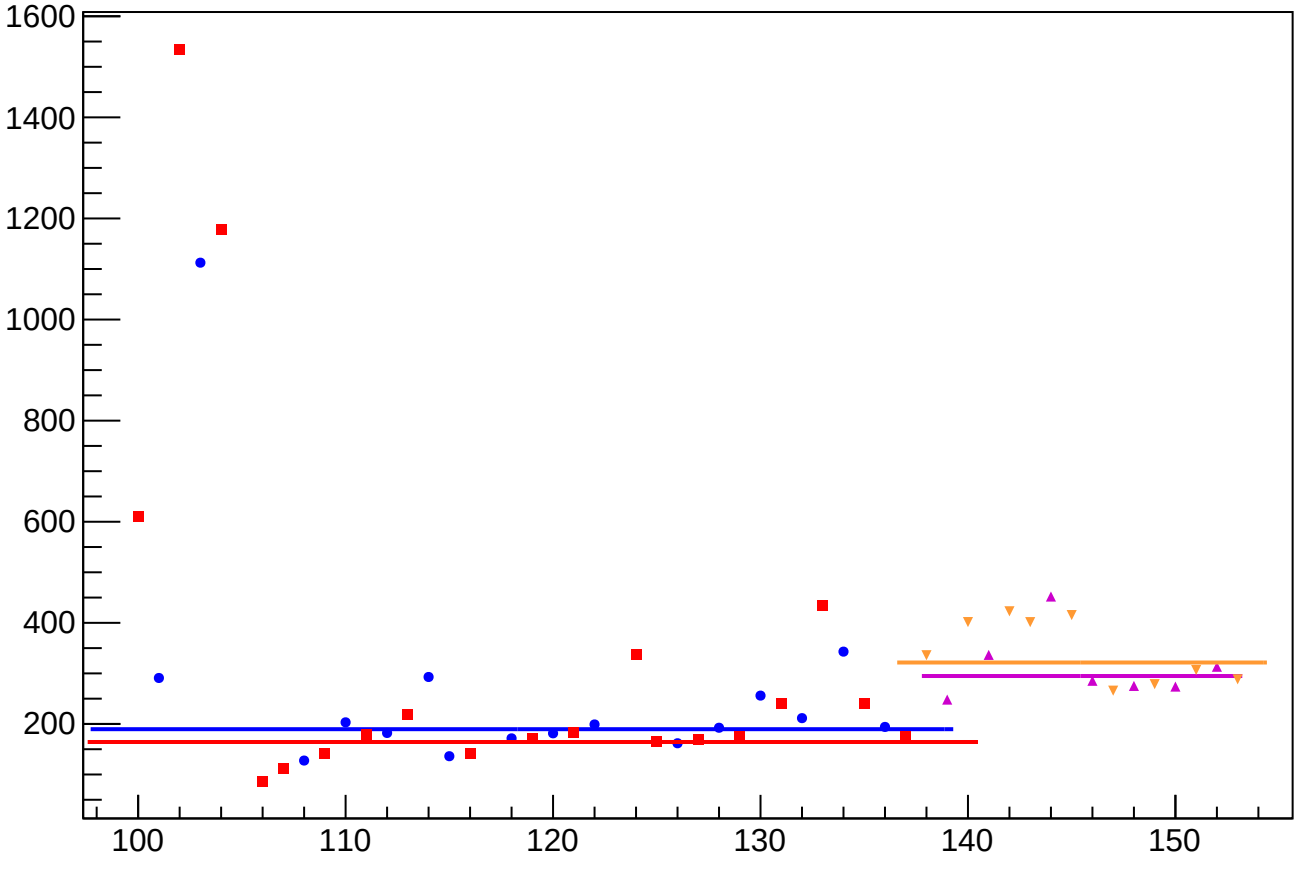
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.093+/-0.065 χ^2/NDF:23.6/22

Out: 0.084+/-0.061 χ^2/NDF:37.4/27

All: 0.001+/-0.045 χ^2/NDF: 64.9/50

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: 321.543+/-0.088 χ^2/NDF:396890.2/8

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 294.821+/-0.087 χ^2/NDF:324141.5/6

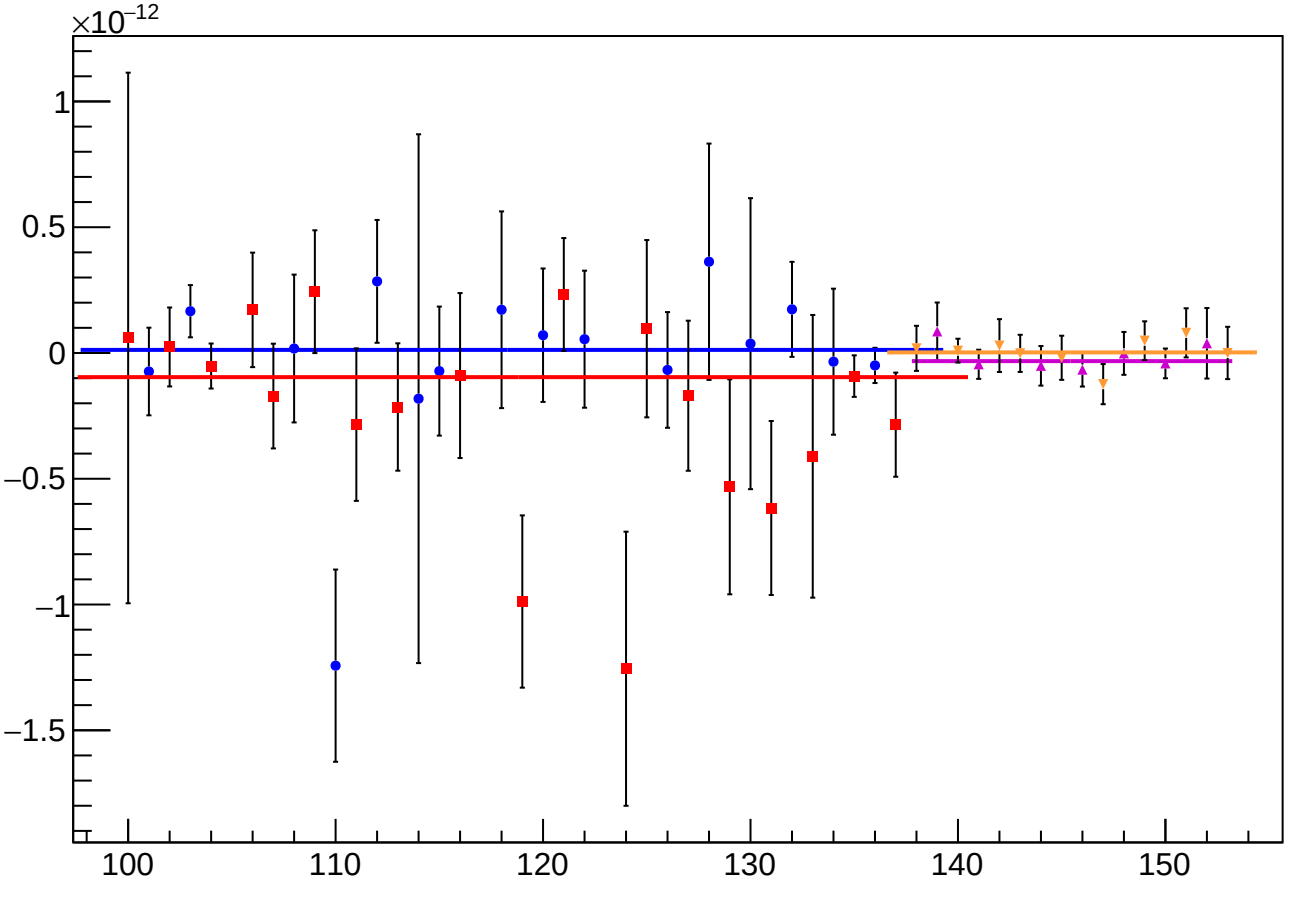
Left: 307.936+/-0.062 χ^2/NDF: 767871.8/15

Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 219.349+/-0.046 χ^2/NDF:2850633.0/22

Out: 202.023+/-0.043 χ^2/NDF:5461648.3/27

All: 210.139+/-0.031 χ^2/NDF: 8387763.3/50



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.7/8

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:1.8/6

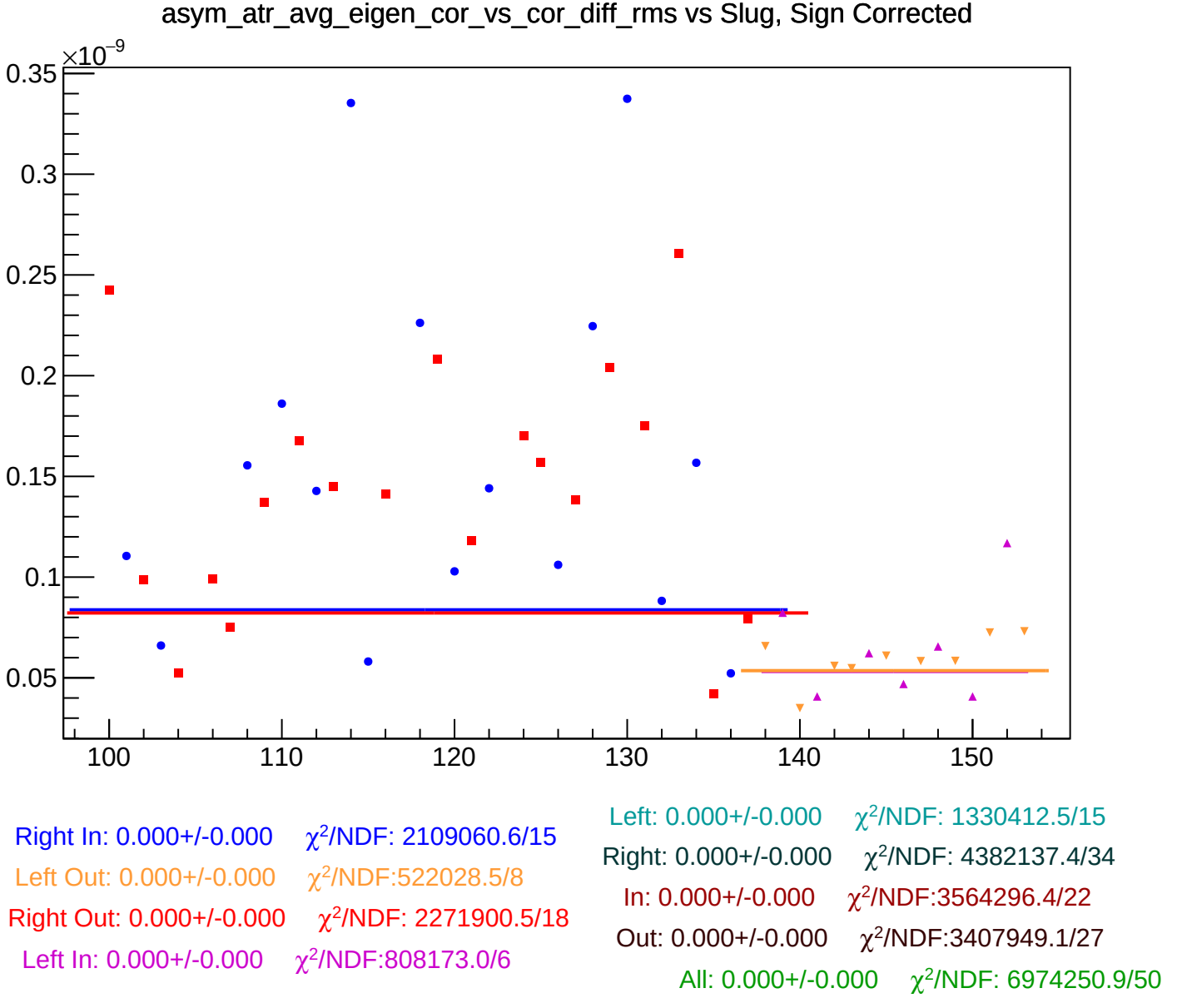
Left: -0.000+/-0.000 χ^2/NDF: 6.3/15

Right: -0.000+/-0.000 χ^2/NDF: 43.1/34

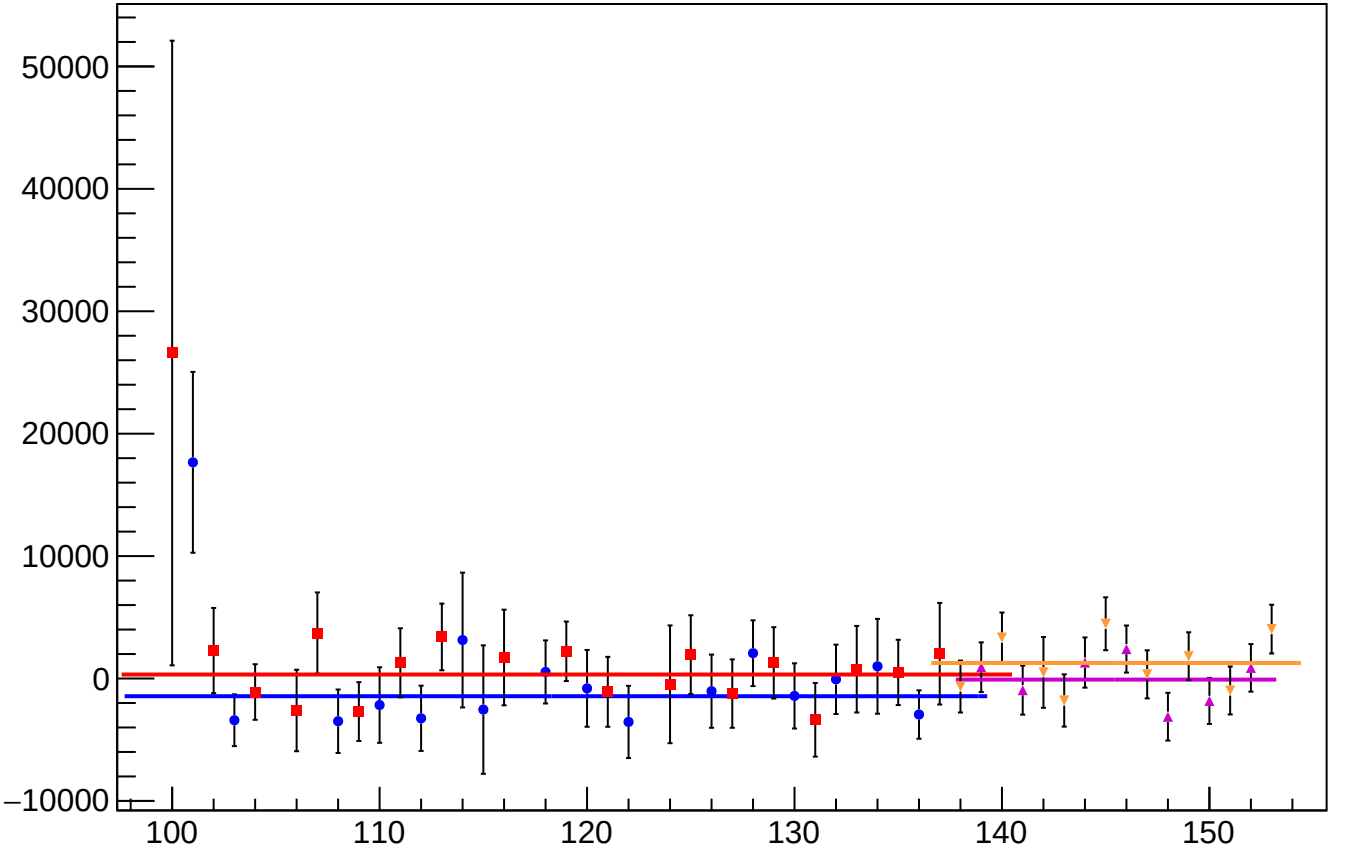
In: -0.000+/-0.000 χ^2/NDF:19.6/22

Out: -0.000+/-0.000 χ^2/NDF:30.5/27

All: -0.000+/-0.000 χ^2/NDF: 50.1/50


asym_atr_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
Right In: 0.000+/-0.000 χ²/NDF: 2109060.6/15
Left Out: 0.000+/-0.000 χ²/NDF:522028.5/8
Right Out: 0.000+/-0.000 χ²/NDF: 2271900.5/18
Left In: 0.000+/-0.000 χ²/NDF:808173.0/6
Left: 0.000+/-0.000 χ²/NDF: 1330412.5/15
Right: 0.000+/-0.000 χ²/NDF: 4382137.4/34
In: 0.000+/-0.000 χ²/NDF:3564296.4/22
Out: 0.000+/-0.000 χ²/NDF:3407949.1/27
All: 0.000+/-0.000 χ²/NDF: 6974250.9/50

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1269.783+/-698.881 χ^2/NDF:9.7/8

Right Out: 325.908+/-702.648 χ^2/NDF: 9.9/18

Left In: -89.247+/-743.243 χ^2/NDF:6.1/6

Left: 632.035+/-509.144 χ^2/NDF: 17.6/15

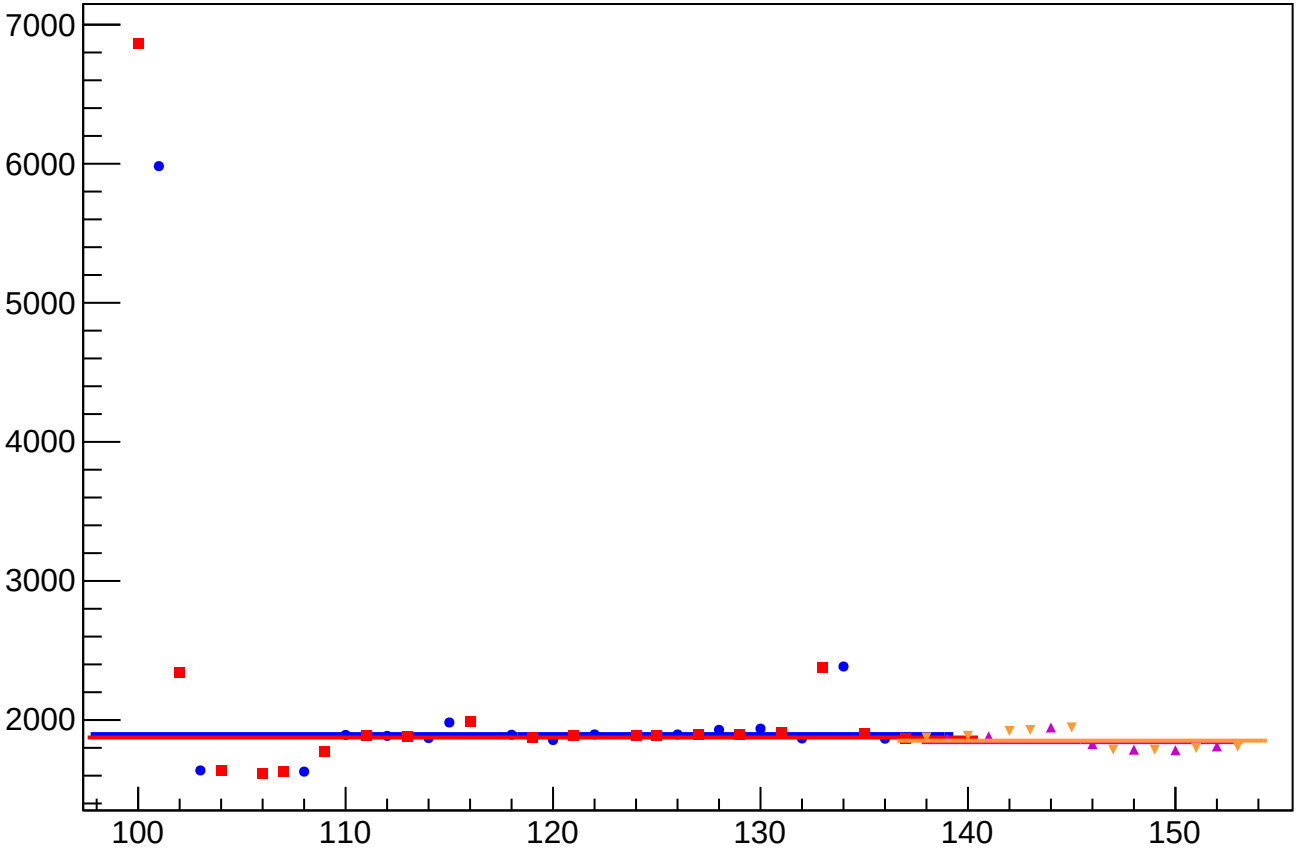
Right: -534.850+/-503.936 χ^2/NDF: 26.5/34

In: -786.500+/-518.299 χ^2/NDF:21.3/22

Out: 800.383+/-495.510 χ^2/NDF:20.6/27

All: 42.594+/-358.164 χ^2/NDF: 46.8/50

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1851.690+/-0.494 χ^2/NDF:15122.2/8

Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1840.815+/-0.526 χ^2/NDF:10557.7/6

Left: 1846.587+/-0.360 χ^2/NDF: 25907.2/15

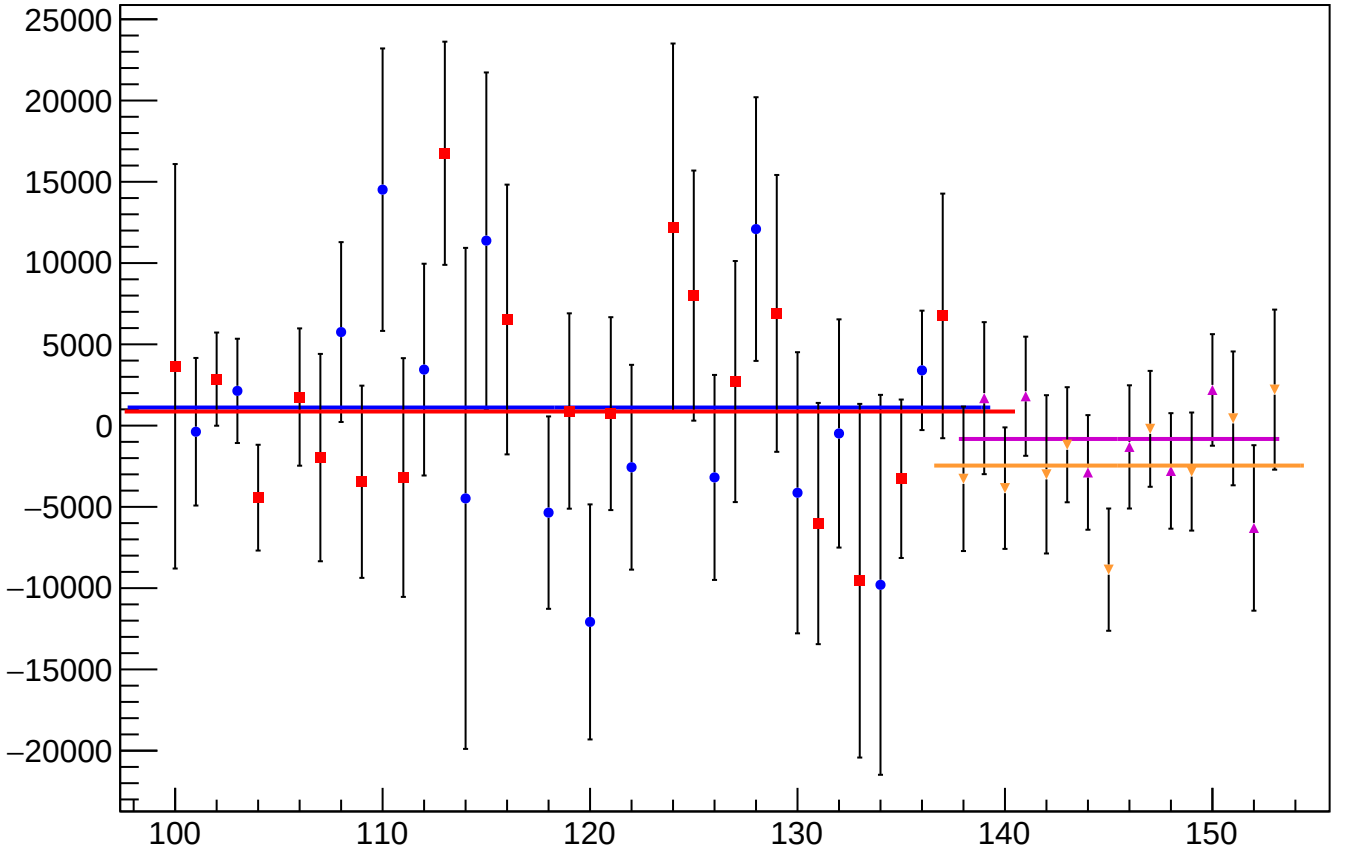
Right: 1886.144+/-0.356 χ^2/NDF: 906364.0/34

In: 1870.615+/-0.366 χ^2/NDF:714331.0/22

Out: 1862.948+/-0.350 χ^2/NDF:223819.9/27

All: 1866.603+/-0.253 χ^2/NDF: 938380.0/50

asym_atr_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 1112.704+/-1479.265 χ^2/NDF: 13.4/15

Left Out: -2458.632+/-1325.083 χ^2/NDF:5.0/8

Right Out: 866.976+/-1307.223 χ^2/NDF: 15.6/18

Left In: -821.824+/-1454.281 χ^2/NDF:3.4/6

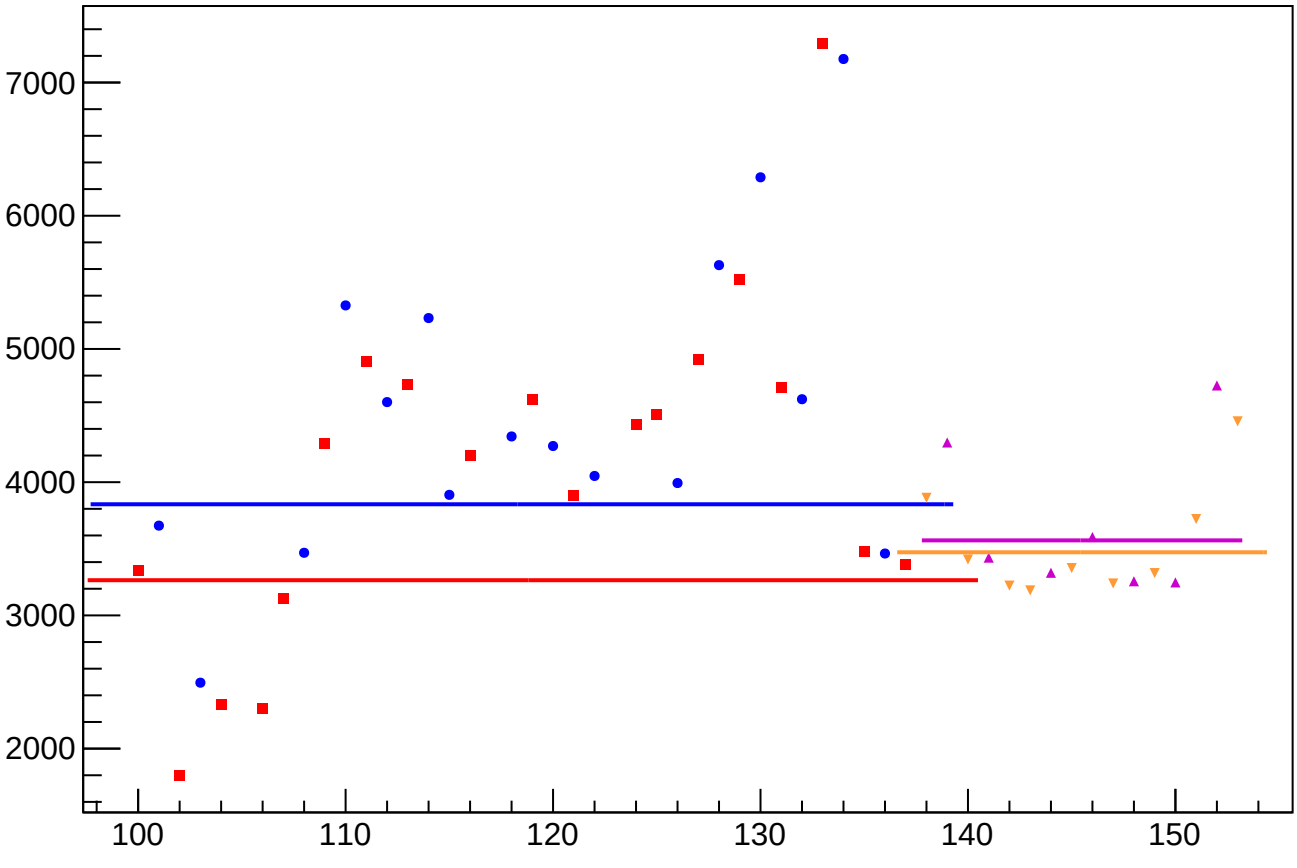
Left: -1716.151+/-979.472 χ^2/NDF: 9.1/15

Right: 974.726+/-979.552 χ^2/NDF: 29.0/34

In: 128.966+/-1037.052 χ^2/NDF:17.6/22

Out: -773.266+/-930.596 χ^2/NDF:23.8/27

All: -370.821+/-692.620 χ^2/NDF: 41.9/50



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 3473.857+/-0.937 χ^2/NDF:137023.1/8

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

Left In: 3563.087+/-1.028 χ^2/NDF:197603.8/6

Left: 3514.333+/-0.693 χ^2/NDF: 338740.7/15

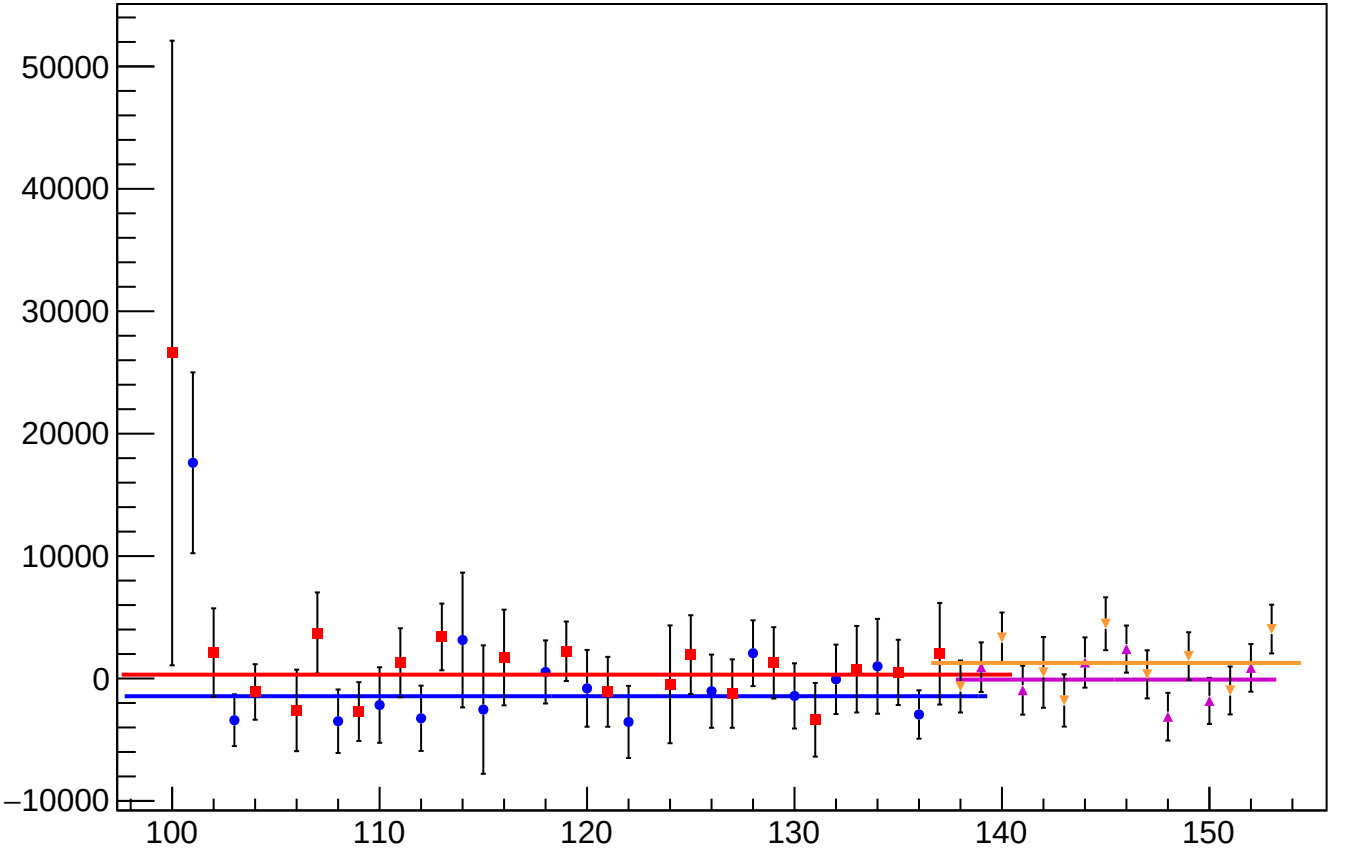
Right: 3514.075+/-0.693 χ^2/NDF: 2987789.5/34

In: 3696.317+/-0.733 χ^2/NDF:1188532.3/22

Out: 3367.561+/-0.658 χ^2/NDF:2026660.1/27

All: 3514.204+/-0.490 χ^2/NDF: 3326530.4/50

cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1269.847+/-698.881 χ^2/NDF:9.7/8

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: -89.178+/-743.243 χ^2/NDF:6.1/6

Left: 632.101+/-509.144 χ^2/NDF: 17.6/15

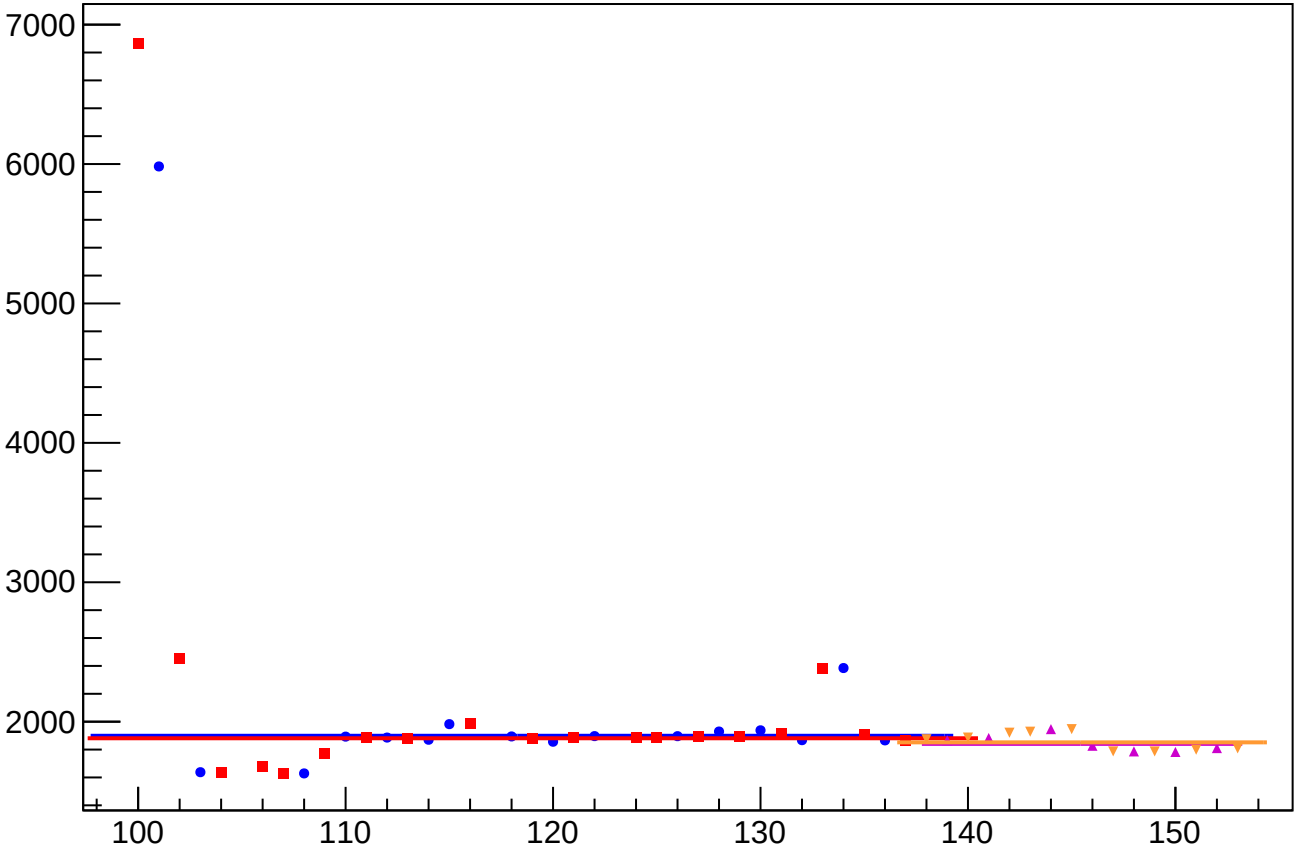
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -786.665+/-518.299 χ^2/NDF:21.3/22

Out: 795.863+/-495.842 χ^2/NDF:20.5/27

All: 39.625+/-358.289 χ^2/NDF: 46.7/50

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1851.690+/-0.494 χ^2/NDF:15122.2/8

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1840.815+/-0.526 χ^2/NDF:10557.7/6

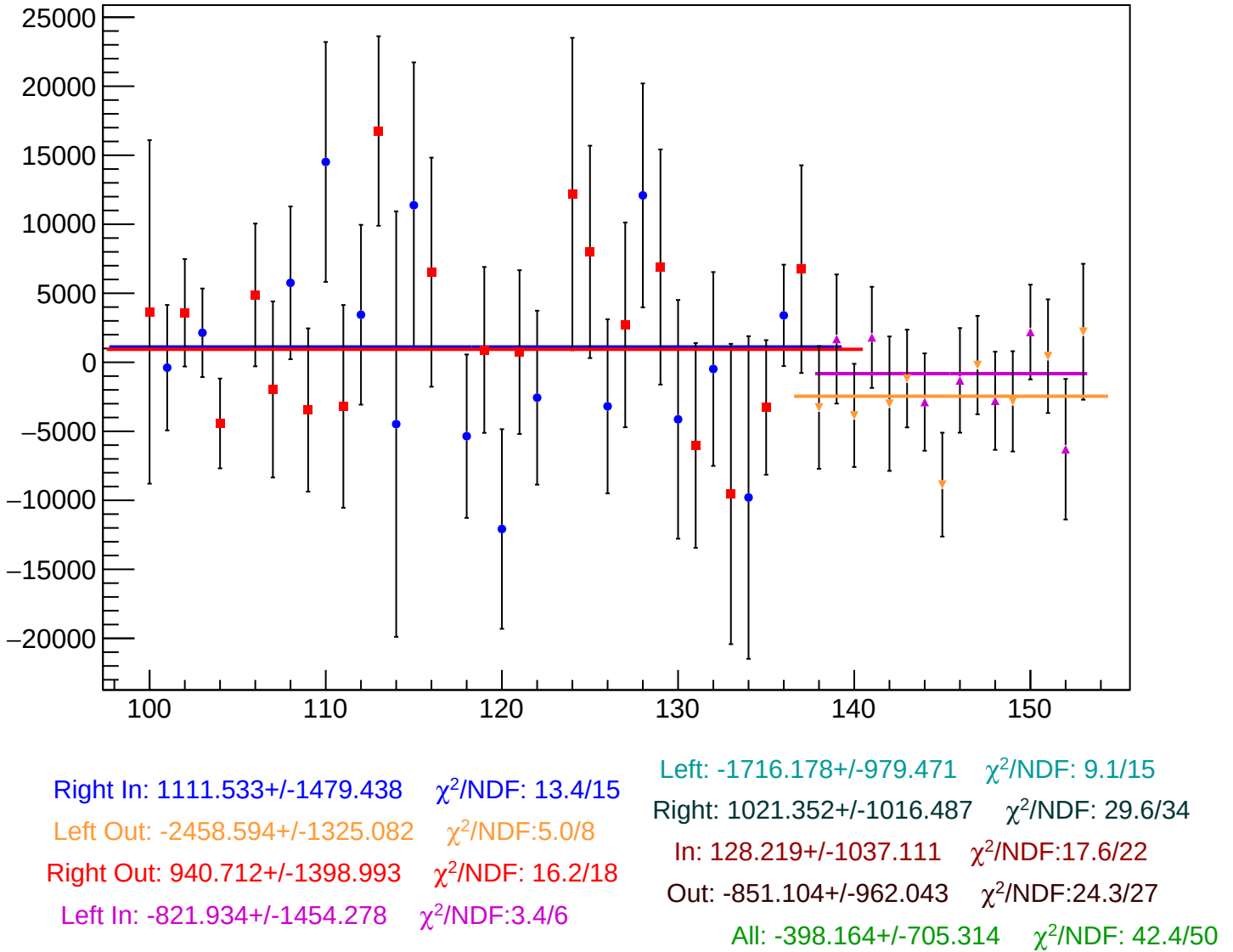
Left: 1846.587+/-0.360 χ^2/NDF: 25907.2/15

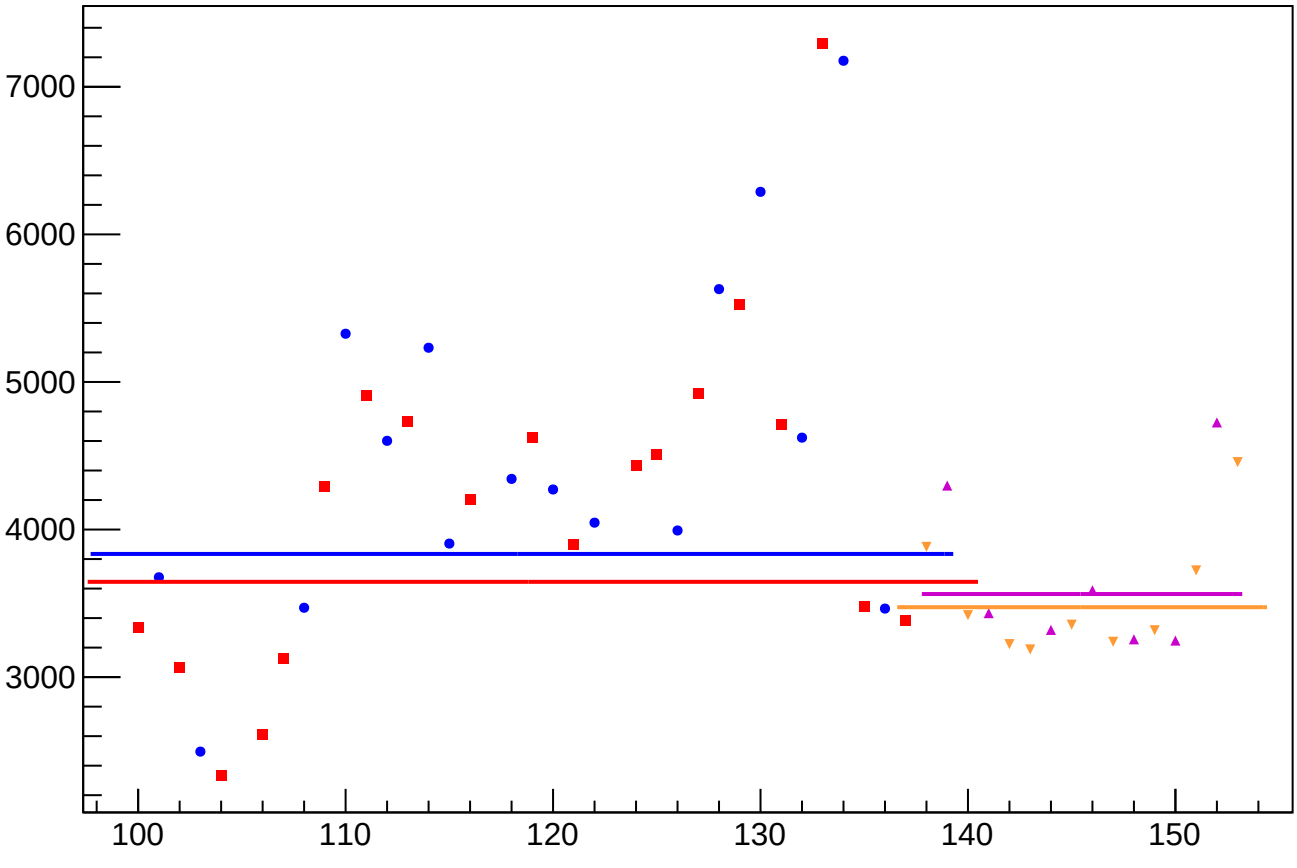
Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1870.615+/-0.366 χ^2/NDF:714331.1/22

Out: 1866.273+/-0.350 χ^2/NDF:233437.0/27

All: 1868.346+/-0.253 χ^2/NDF: 947841.5/50


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
Right In: 1111.533+/-1479.438 χ²/NDF: 13.4/15
Left Out: -2458.594+/-1325.082 χ²/NDF:5.0/8
Right Out: 940.712+/-1398.993 χ²/NDF: 16.2/18
Left In: -821.934+/-1454.278 χ²/NDF:3.4/6
Left: -1716.178+/-979.471 χ²/NDF: 9.1/15
Right: 1021.352+/-1016.487 χ²/NDF: 29.6/34
In: 128.219+/-1037.111 χ²/NDF:17.6/22
Out: -851.104+/-962.043 χ²/NDF:24.3/27
All: -398.164+/-705.314 χ²/NDF: 42.4/50



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3473.857+/-0.937 χ^2/NDF:137029.0/8

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 3563.078+/-1.028 χ^2/NDF:197609.4/6

Left: 3514.329+/-0.693 χ^2/NDF: 338751.5/15

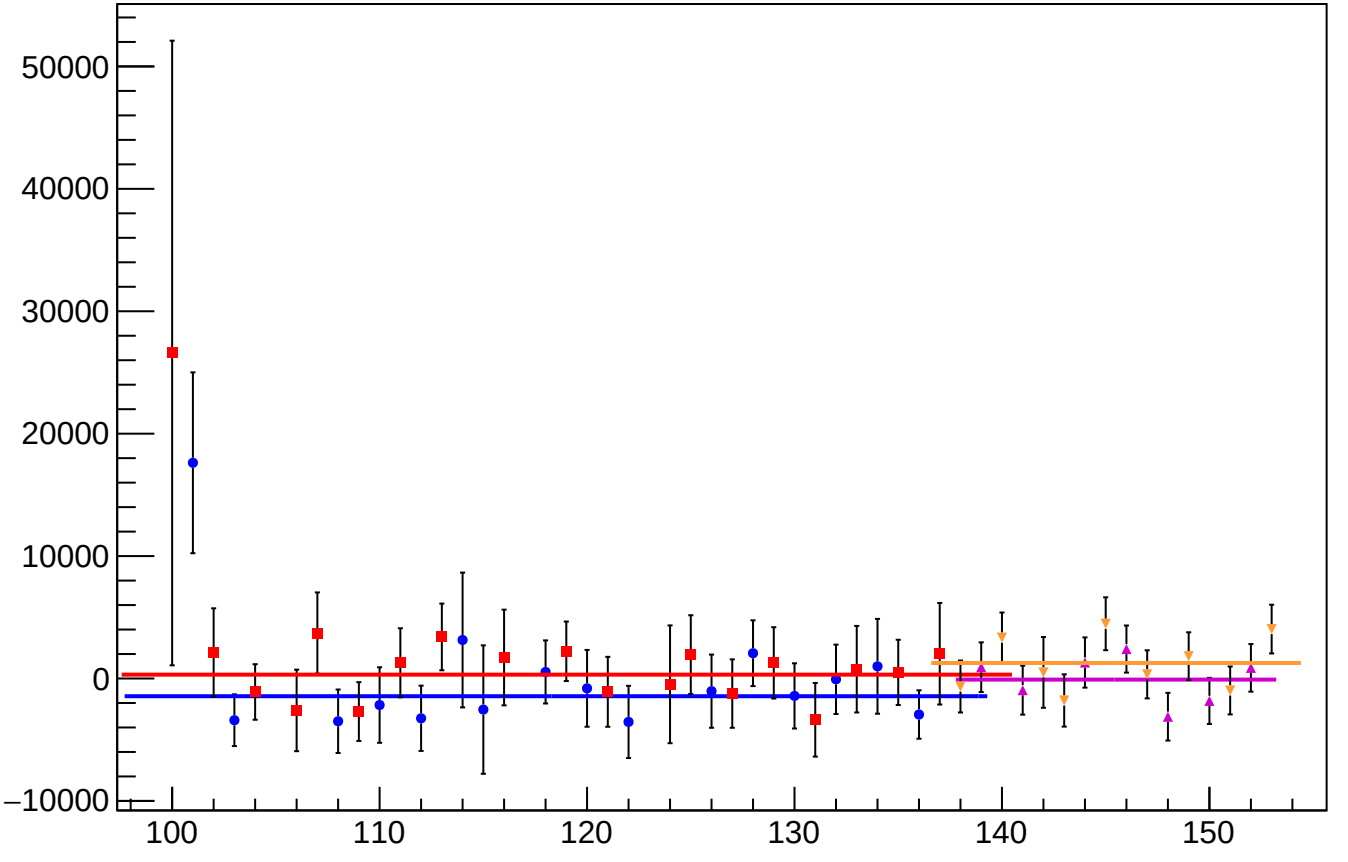
Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3696.554+/-0.733 χ^2/NDF:1188205.5/22

Out: 3555.114+/-0.680 χ^2/NDF:1277914.6/27

All: 3620.531+/-0.499 χ^2/NDF: 2486114.3/50

eigen_cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 1269.847+/-698.881 χ^2/NDF:9.7/8

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: -89.178+/-743.243 χ^2/NDF:6.1/6

Left: 632.101+/-509.144 χ^2/NDF: 17.6/15

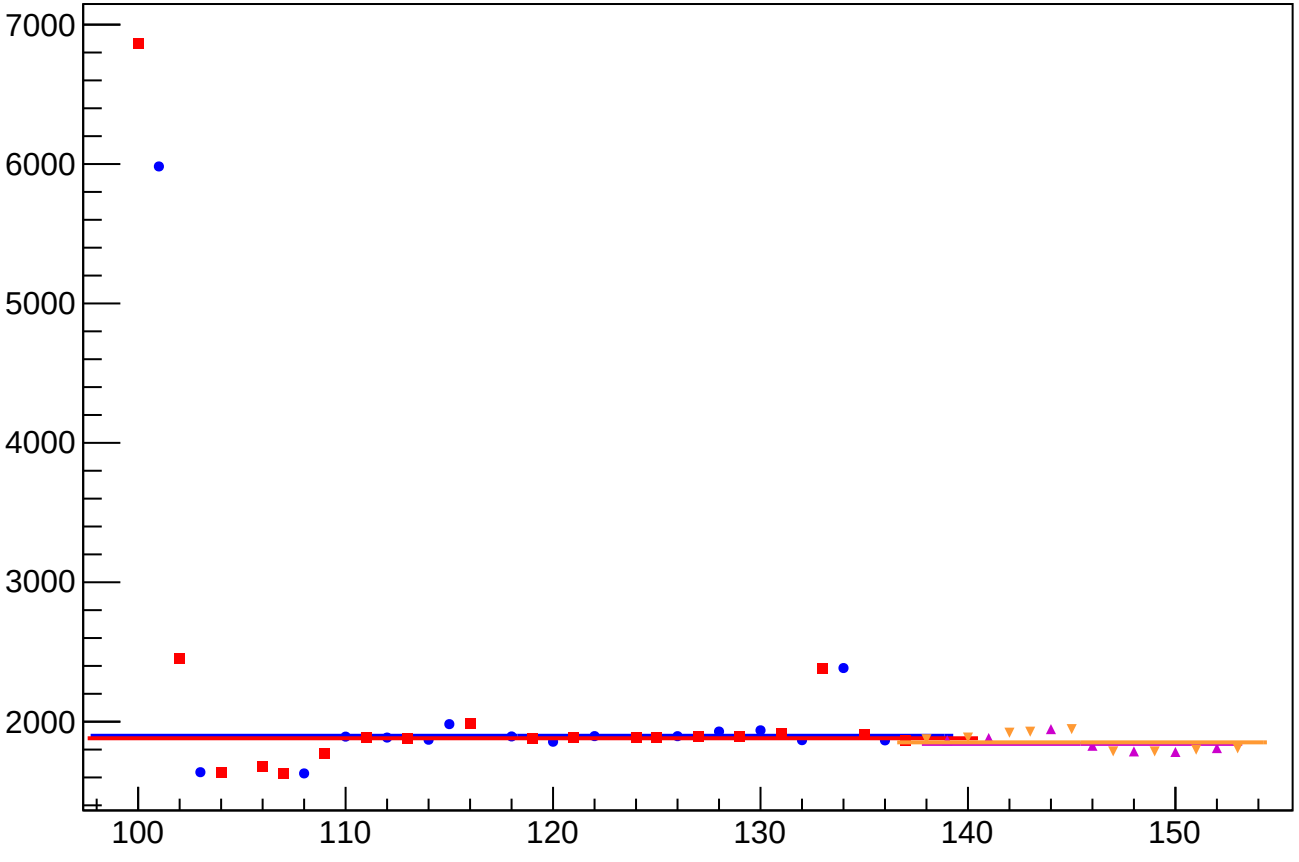
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -786.665+/-518.299 χ^2/NDF:21.3/22

Out: 795.863+/-495.842 χ^2/NDF:20.5/27

All: 39.625+/-358.289 χ^2/NDF: 46.7/50

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1851.690+/-0.494 χ^2/NDF:15122.2/8

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1840.815+/-0.526 χ^2/NDF:10557.7/6

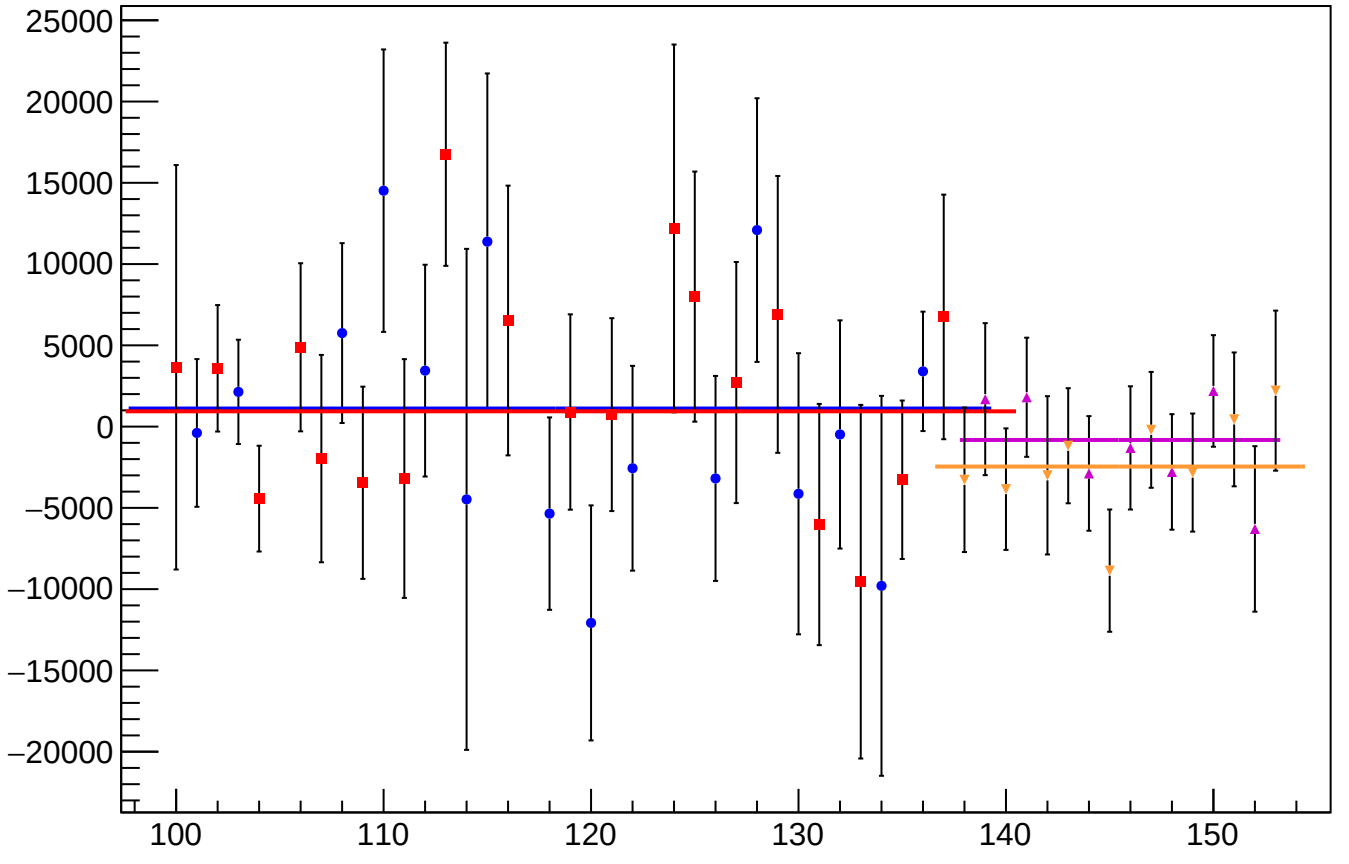
Left: 1846.587+/-0.360 χ^2/NDF: 25907.2/15

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1870.615+/-0.366 χ^2/NDF:714331.1/22

Out: 1866.273+/-0.350 χ^2/NDF:233437.0/27

All: 1868.346+/-0.253 χ^2/NDF: 947841.5/50



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -2458.594+/-1325.082 χ^2/NDF:5.0/8

Right Out: 940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: -821.934+/-1454.278 χ^2/NDF:3.4/6

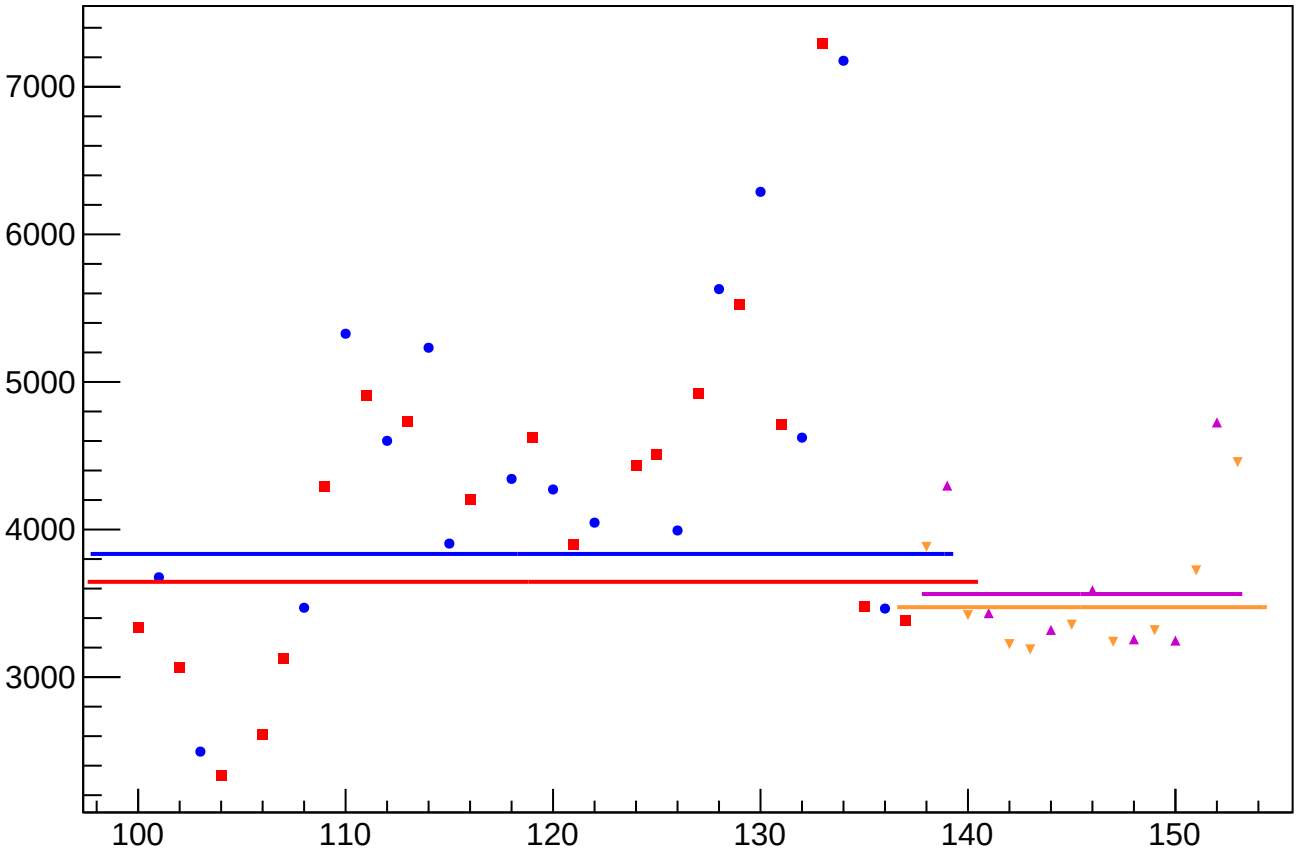
Left: -1716.178+/-979.471 χ^2/NDF: 9.1/15

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: 128.219+/-1037.111 χ^2/NDF:17.6/22

Out: -851.104+/-962.043 χ^2/NDF:24.3/27

All: -398.164+/-705.314 χ^2/NDF: 42.4/50



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3473.857+/-0.937 χ^2/NDF:137029.0/8

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 3563.078+/-1.028 χ^2/NDF:197609.4/6

Left: 3514.329+/-0.693 χ^2/NDF: 338751.5/15

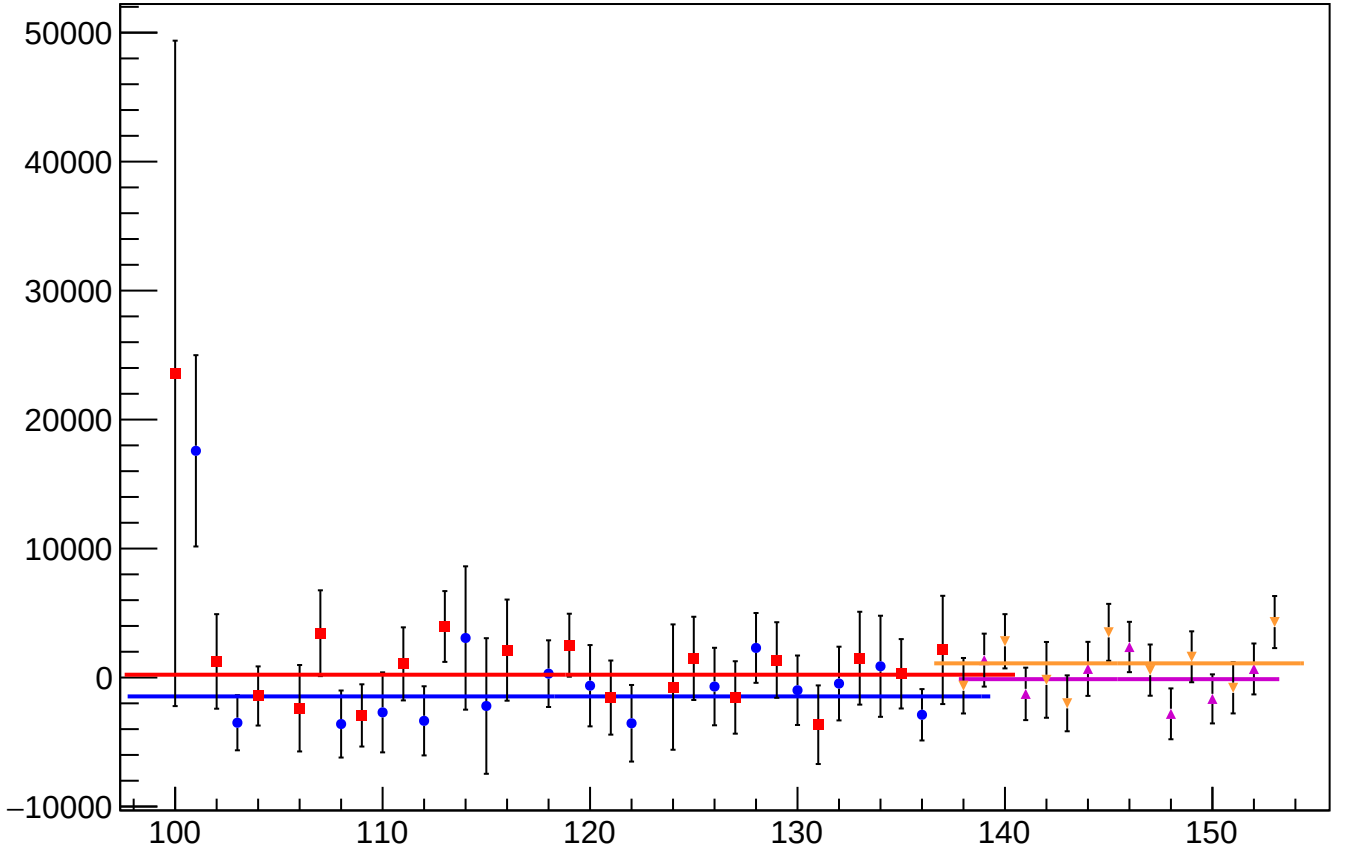
Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3696.554+/-0.733 χ^2/NDF:1188205.5/22

Out: 3555.114+/-0.680 χ^2/NDF:1277914.6/27

All: 3620.531+/-0.499 χ^2/NDF: 2486114.3/50

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 1100.505+/-709.640 χ^2/NDF:8.3/8

Right Out: 219.726+/-708.852 χ^2/NDF: 10.8/18

Left In: -125.093+/-753.813 χ^2/NDF:5.3/6

Left: 524.666+/-516.702 χ^2/NDF: 15.0/15

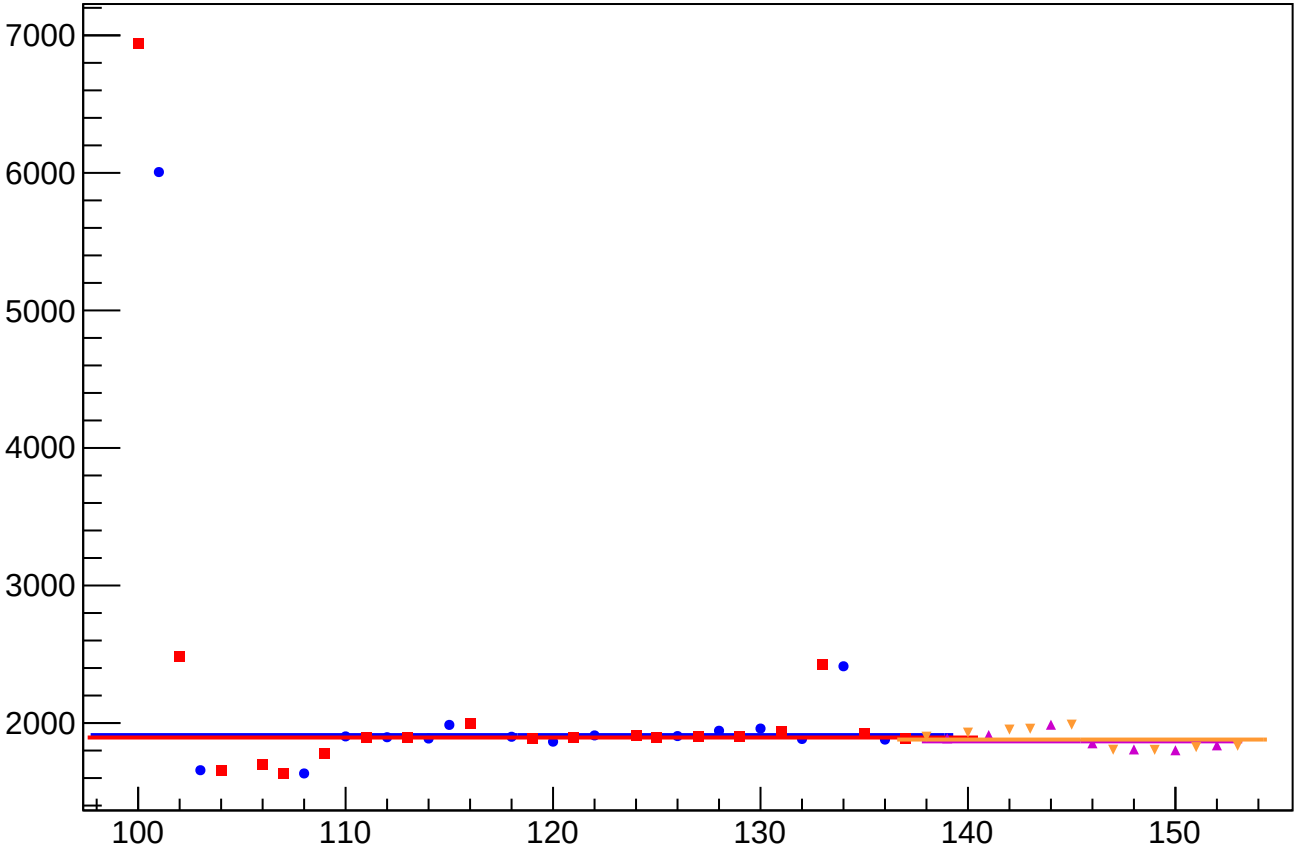
Right: -598.725+/-507.962 χ^2/NDF: 27.1/34

In: -816.908+/-523.764 χ^2/NDF:20.5/22

Out: 659.626+/-501.512 χ^2/NDF:19.9/27

All: -46.611+/-362.234 χ^2/NDF: 44.5/50

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1879.941+/-0.502 χ^2/NDF:18194.1/8

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1866.824+/-0.533 χ^2/NDF:12519.8/6

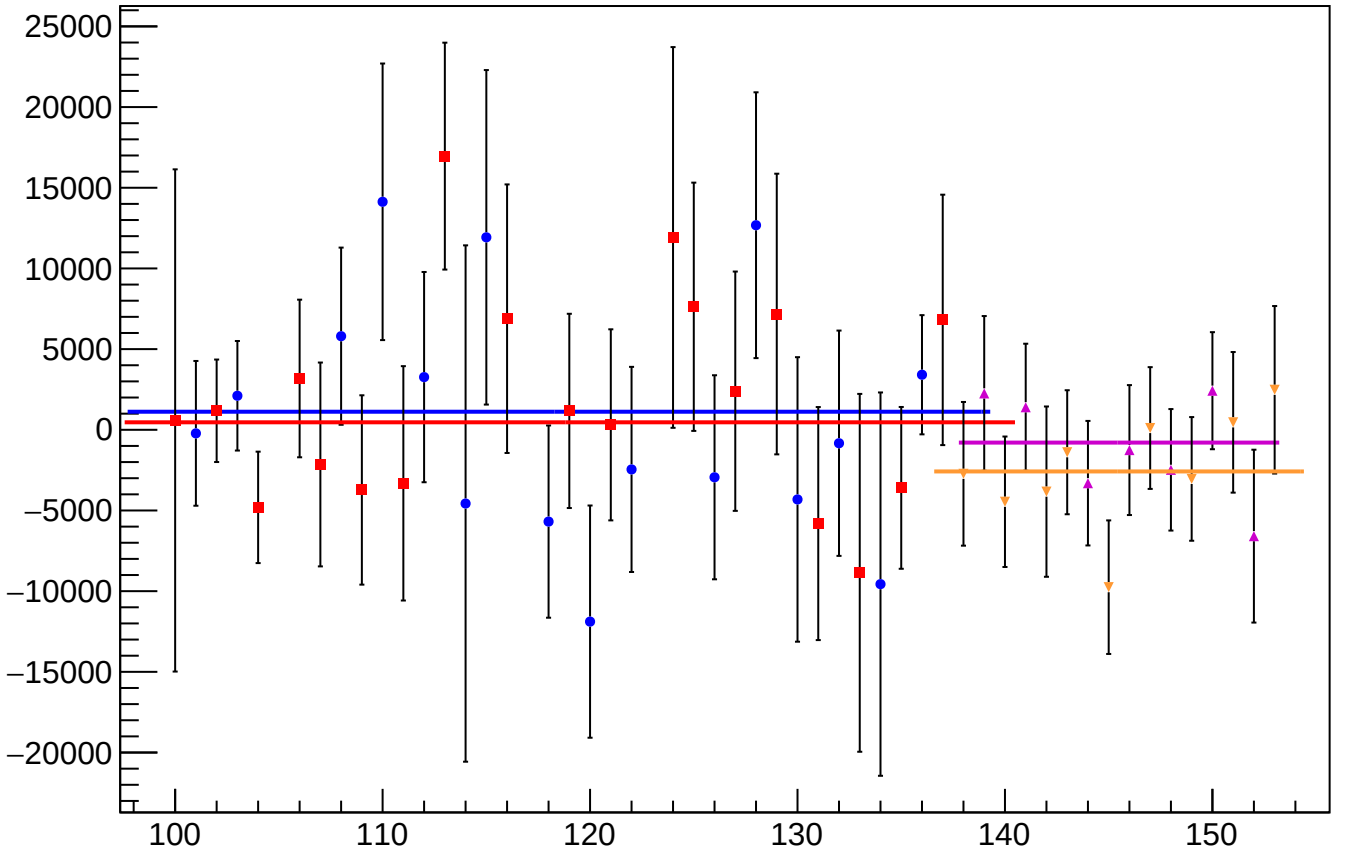
Left: 1873.778+/-0.365 χ^2/NDF: 31035.0/15

Right: 1903.324+/-0.359 χ^2/NDF: 916603.1/34

In: 1890.386+/-0.370 χ^2/NDF:712517.9/22

Out: 1887.369+/-0.354 χ^2/NDF:238412.9/27

All: 1888.811+/-0.256 χ^2/NDF: 950965.4/50



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -2580.577+/-1411.682 χ^2/NDF:5.3/8

Right Out: 464.368+/-1370.818 χ^2/NDF: 15.0/18

Left In: -792.966+/-1546.112 χ^2/NDF:3.3/6

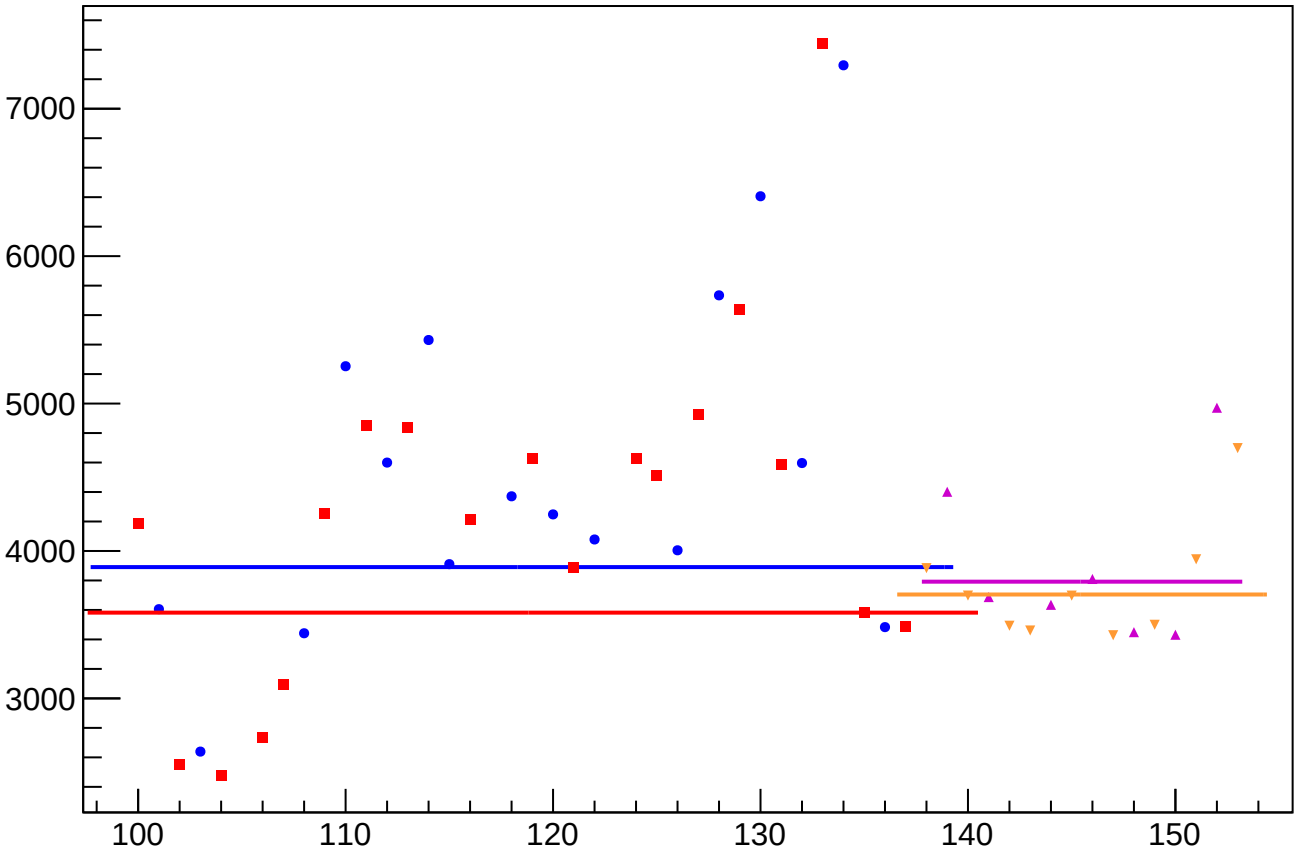
Left: -1767.850+/-1042.502 χ^2/NDF: 9.4/15

Right: 763.326+/-1011.192 χ^2/NDF: 28.6/34

In: 194.043+/-1075.731 χ^2/NDF:17.6/22

Out: -1013.397+/-983.444 χ^2/NDF:22.7/27

All: -463.682+/-725.837 χ^2/NDF: 41.0/50



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 3704.830+/-0.998 χ^2/NDF:110221.1/8

Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

Left In: 3791.831+/-1.093 χ^2/NDF:170429.7/6

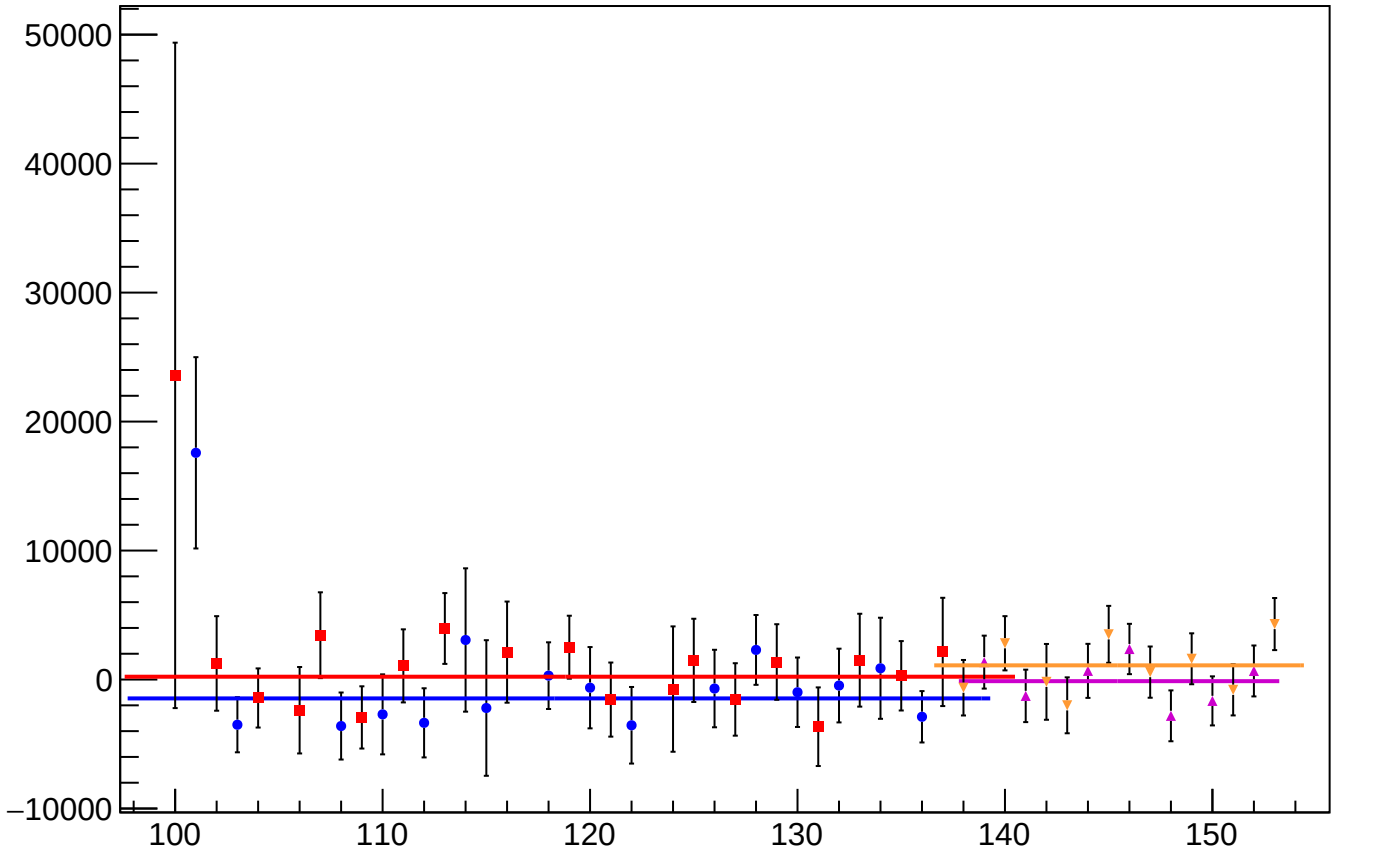
Left: 3744.385+/-0.737 χ^2/NDF: 284104.4/15

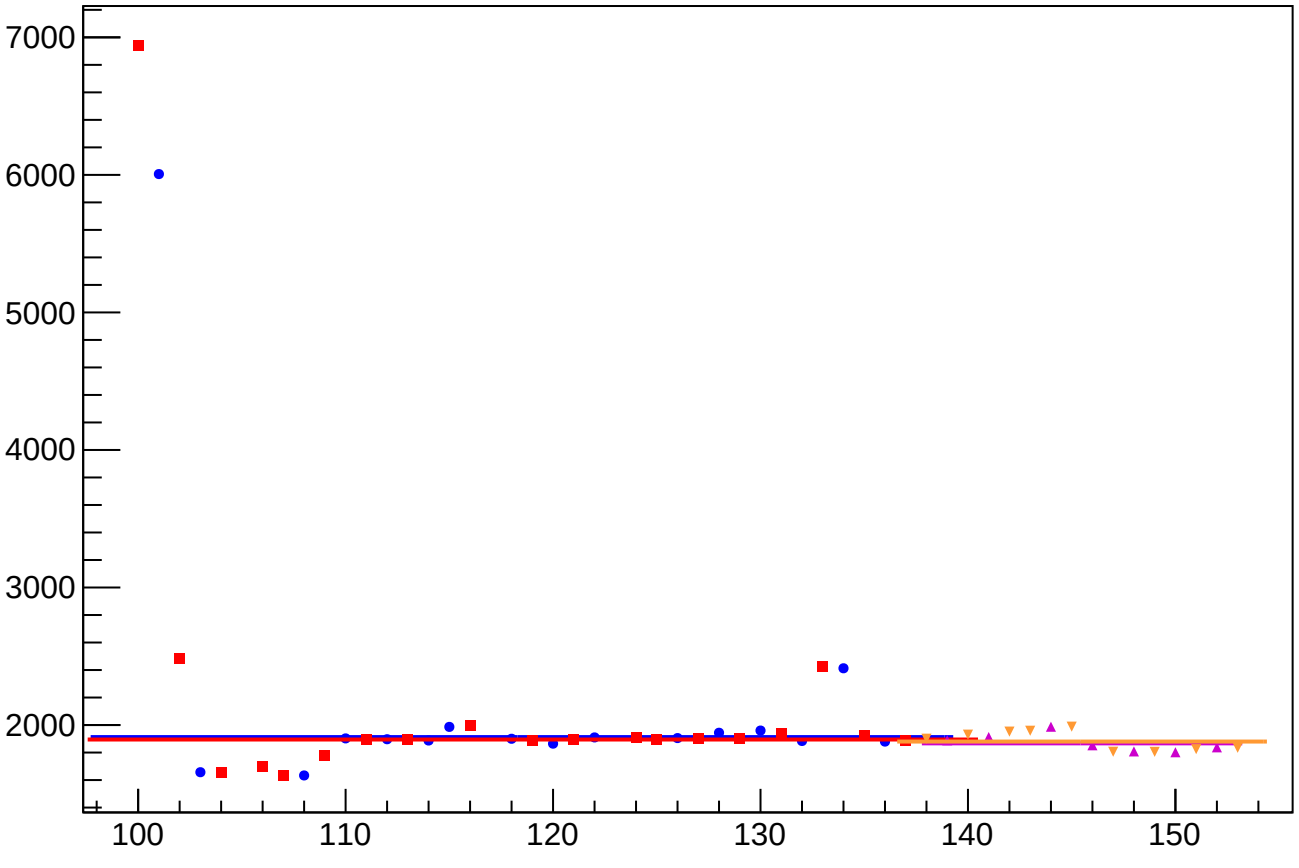
Right: 3722.609+/-0.715 χ^2/NDF: 2146577.5/34

In: 3842.843+/-0.761 χ^2/NDF:1053067.8/22

Out: 3641.499+/-0.695 χ^2/NDF:1339897.3/27

All: 3733.165+/-0.513 χ^2/NDF: 2431131.5/50


eigen_dit_asym_atr_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
Right In: -1462.646+/-728.274 χ²/NDF: 13.6/15
Left Out: 1100.507+/-709.640 χ²/NDF:8.3/8
Right Out: 219.720+/-708.852 χ²/NDF: 10.8/18
Left In: -125.089+/-753.813 χ²/NDF:5.3/6
Left: 524.669+/-516.702 χ²/NDF: 15.0/15
Right: -598.730+/-507.962 χ²/NDF: 27.1/34
In: -816.909+/-523.764 χ²/NDF:20.5/22
Out: 659.624+/-501.512 χ²/NDF:19.9/27
All: -46.613+/-362.234 χ²/NDF: 44.5/50



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1879.942+/-0.502 χ^2/NDF:18194.2/8

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1866.824+/-0.533 χ^2/NDF:12519.7/6

Left: 1873.779+/-0.365 χ^2/NDF: 31035.0/15

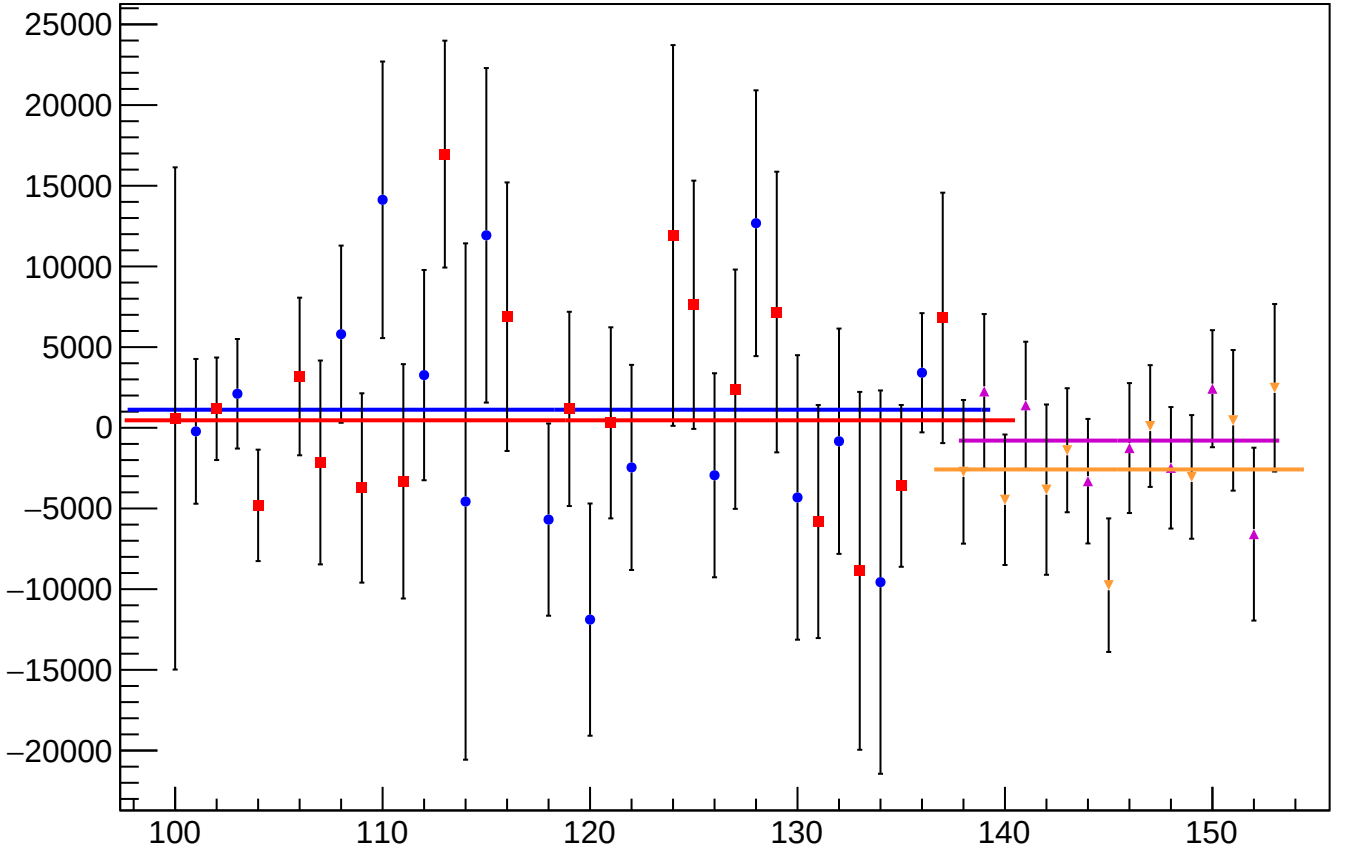
Right: 1903.324+/-0.359 χ^2/NDF: 916602.9/34

In: 1890.386+/-0.370 χ^2/NDF:712517.6/22

Out: 1887.370+/-0.354 χ^2/NDF:238412.9/27

All: 1888.812+/-0.256 χ^2/NDF: 950965.2/50

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: -2580.577+/-1411.684 χ^2/NDF:5.3/8

Right Out: 464.367+/-1370.817 χ^2/NDF: 15.0/18

Left In: -792.963+/-1546.114 χ^2/NDF:3.3/6

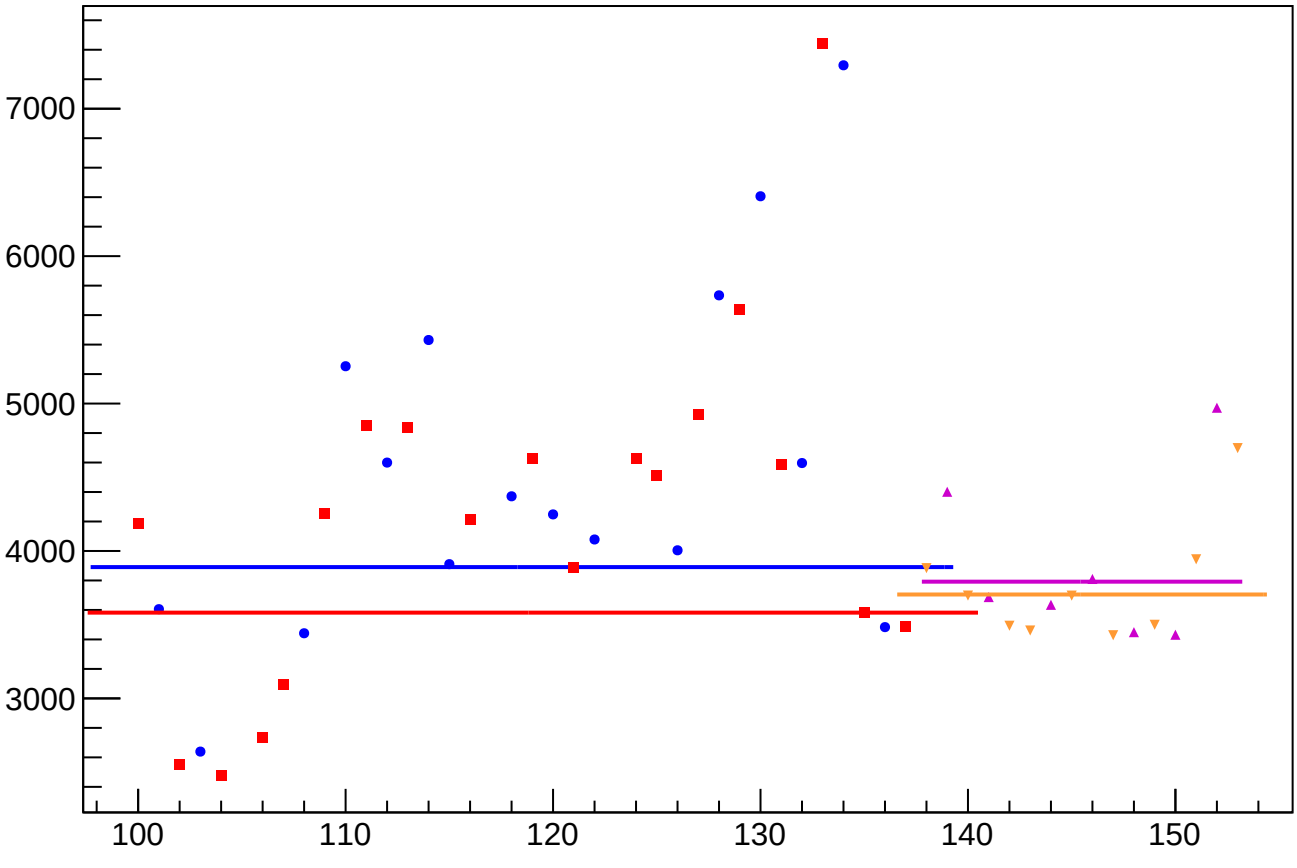
Left: -1767.849+/-1042.503 χ^2/NDF: 9.4/15

Right: 763.319+/-1011.191 χ^2/NDF: 28.6/34

In: 194.039+/-1075.731 χ^2/NDF:17.6/22

Out: -1013.393+/-983.444 χ^2/NDF:22.7/27

All: -463.682+/-725.837 χ^2/NDF: 41.0/50



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 3704.835+/-0.998 χ^2/NDF:110220.5/8

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

Left In: 3791.836+/-1.093 χ^2/NDF:170429.1/6

Left: 3744.390+/-0.737 χ^2/NDF: 284103.2/15

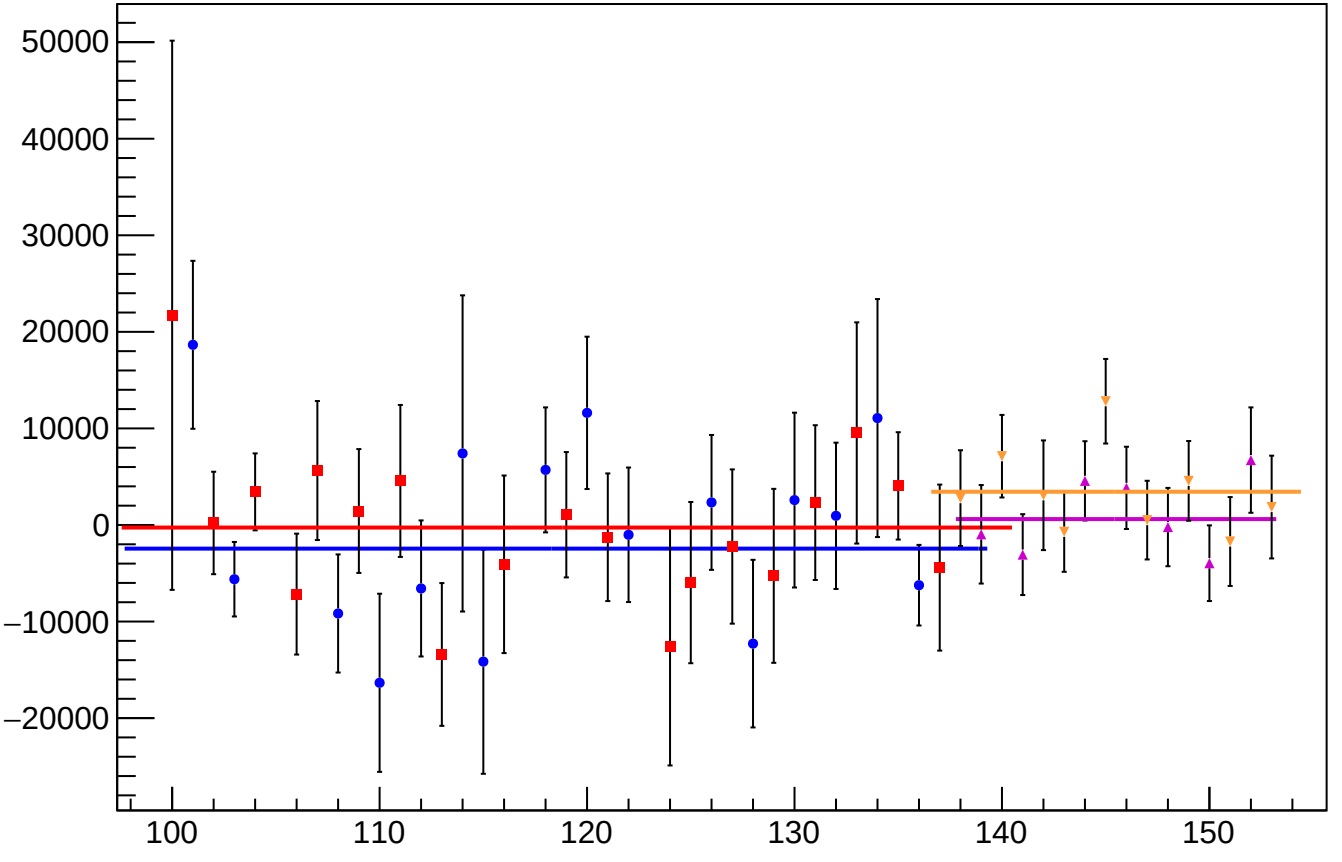
Right: 3722.606+/-0.715 χ^2/NDF: 2146560.1/34

In: 3842.844+/-0.761 χ^2/NDF:1053057.7/22

Out: 3641.499+/-0.695 χ^2/NDF:1339889.1/27

All: 3733.166+/-0.513 χ^2/NDF: 2431113.3/50

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 3442.094+/-1510.714 χ^2/NDF:8.3/8

Right Out: -265.886+/-1622.574 χ^2/NDF: 10.7/18

Left In: 610.855+/-1645.336 χ^2/NDF:5.0/6

Left: 2147.022+/-1112.790 χ^2/NDF: 14.9/15

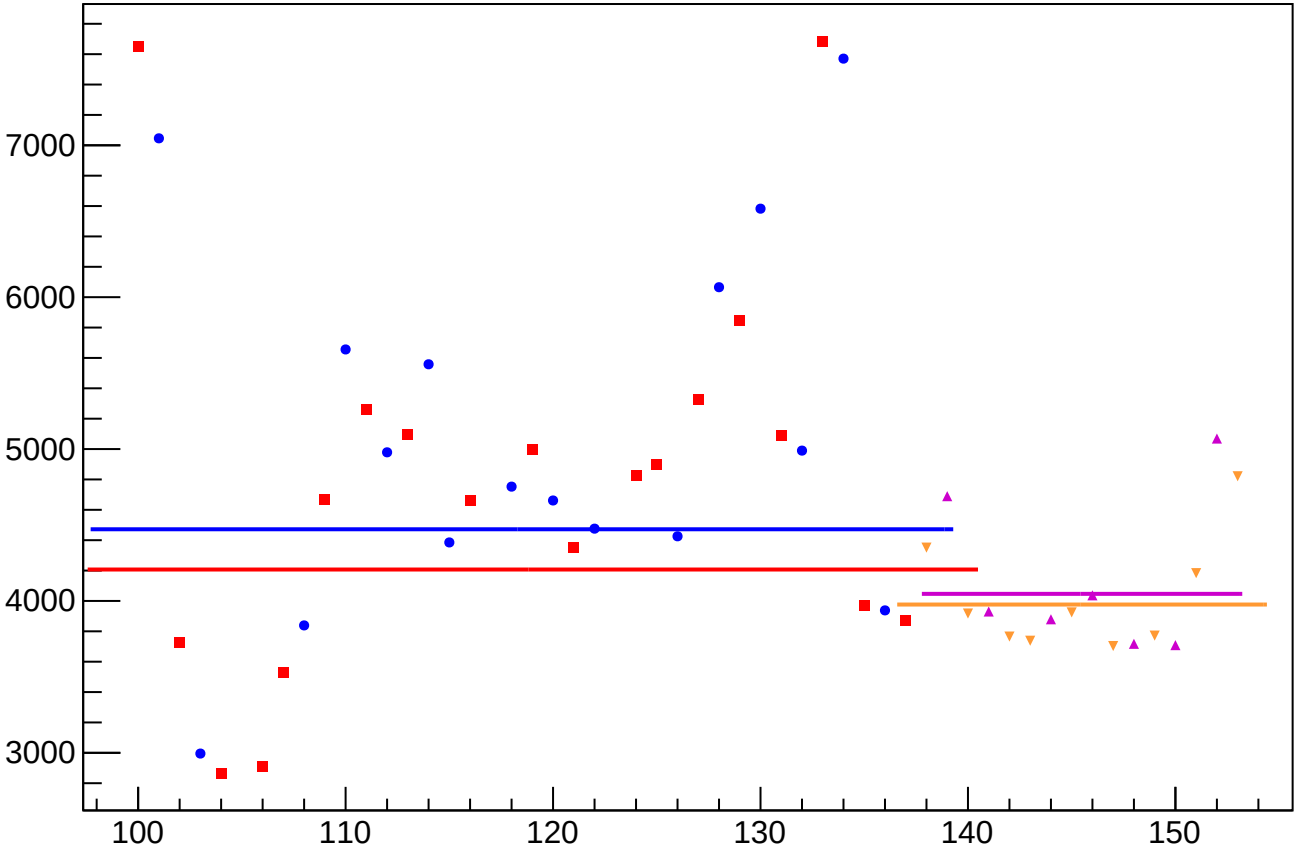
Right: -1293.712+/-1180.174 χ^2/NDF: 32.4/34

In: -851.138+/-1188.847 χ^2/NDF:27.5/22

Out: 1720.312+/-1105.668 χ^2/NDF:21.8/27

All: 527.682+/-809.636 χ^2/NDF: 51.8/50

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 3976.354+/-1.068 χ^2/NDF:89755.1/8

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

Left In: 4046.656+/-1.163 χ^2/NDF:134880.3/6

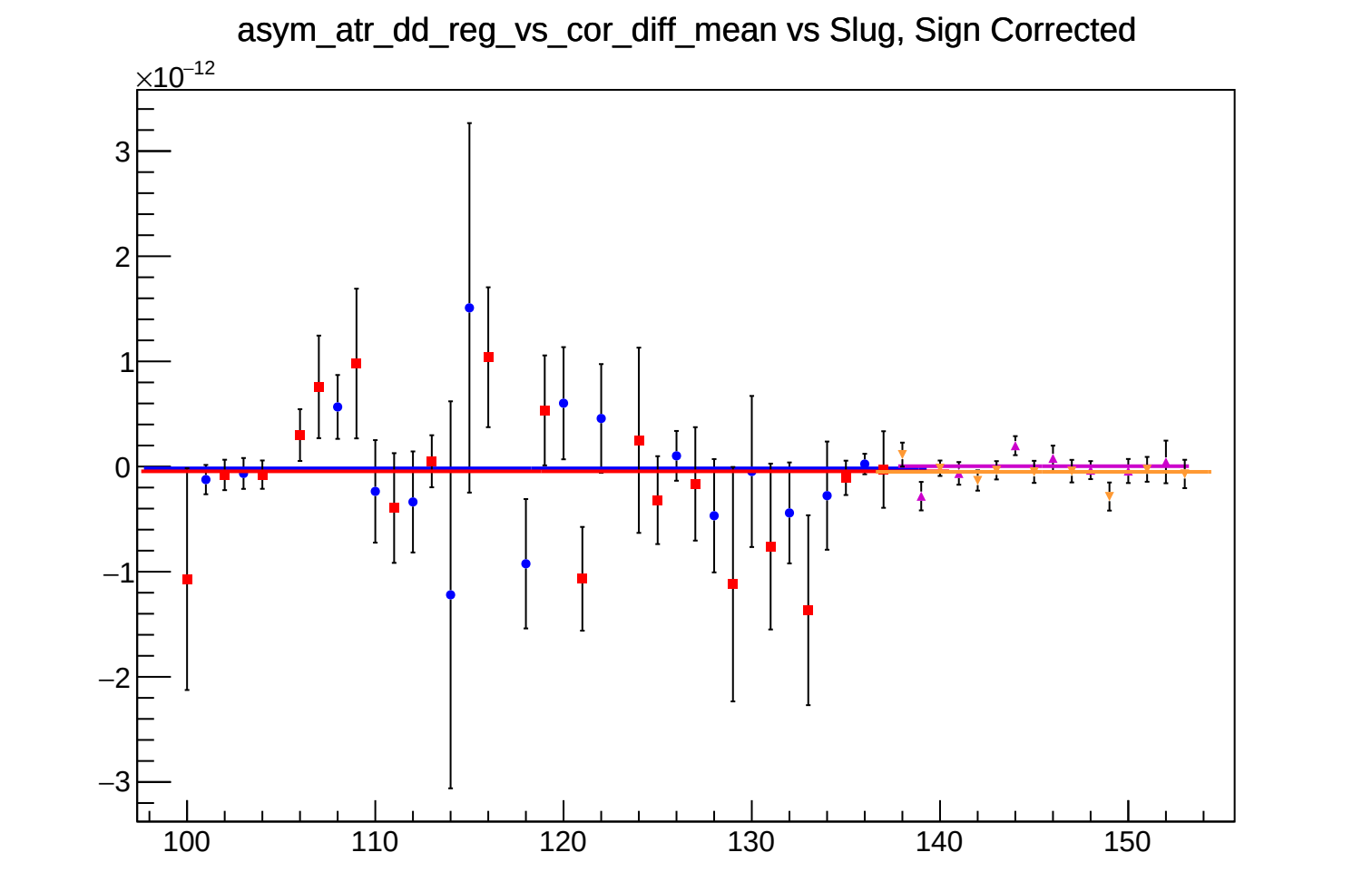
Left: 4008.512+/-0.787 χ^2/NDF: 226616.6/15

Right: 4330.631+/-0.831 χ^2/NDF: 1763521.7/34

In: 4249.888+/-0.841 χ^2/NDF:1090407.8/22

Out: 4084.350+/-0.779 χ^2/NDF:958099.7/27

All: 4160.812+/-0.571 χ^2/NDF: 2069373.6/50



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.2/8

Right Out: -0.000+/-0.000 χ^2/NDF: 21.2/18

Left In: 0.000+/-0.000 χ^2/NDF:10.3/6

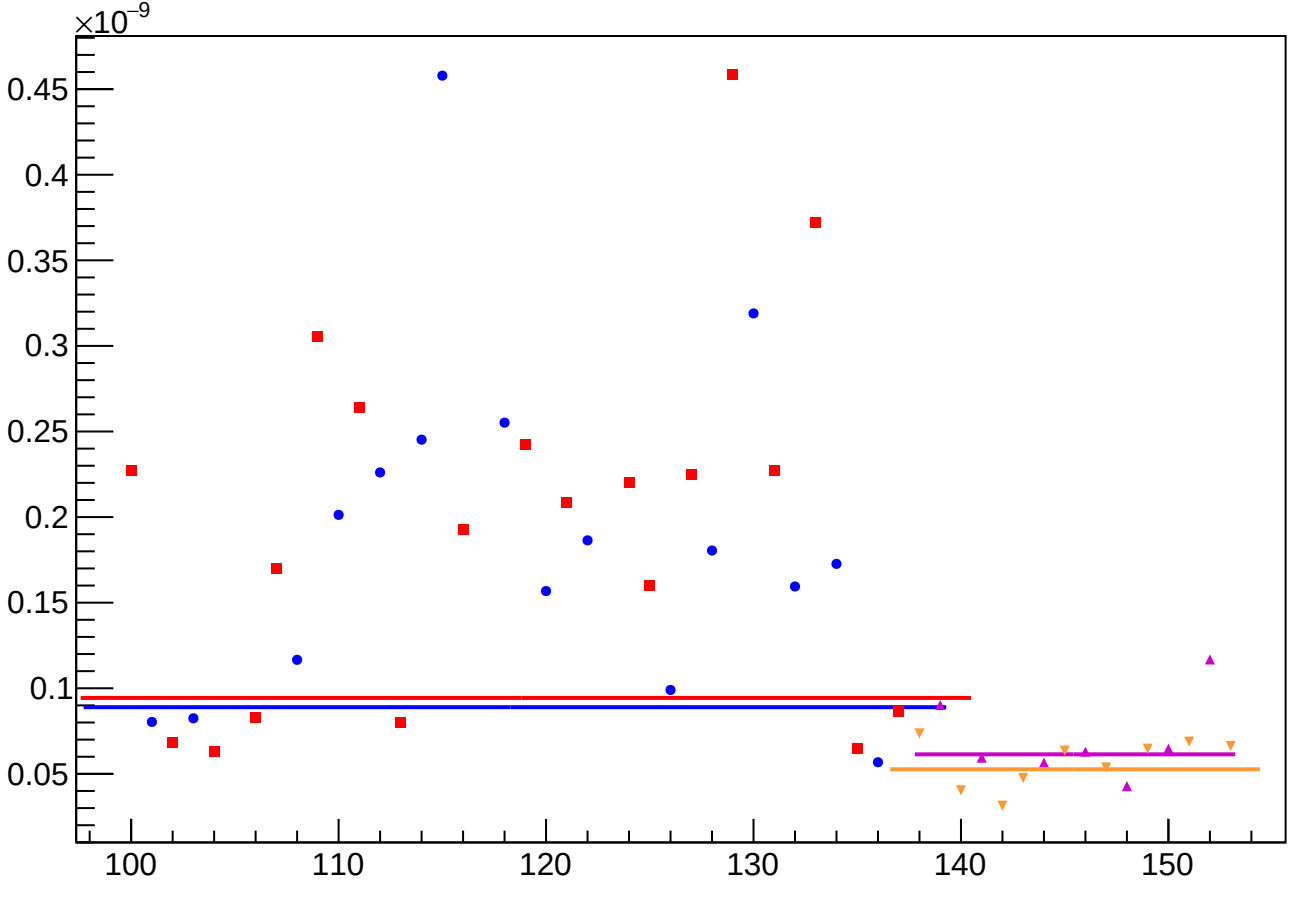
Left: -0.000+/-0.000 χ^2/NDF: 17.5/15

Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: -0.000+/-0.000 χ^2/NDF:23.1/22

Out: -0.000+/-0.000 χ^2/NDF:27.4/27

All: -0.000+/-0.000 χ^2/NDF: 51.5/50



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:324041.7/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

Left In: 0.000+/-0.000 χ^2/NDF:342681.5/6

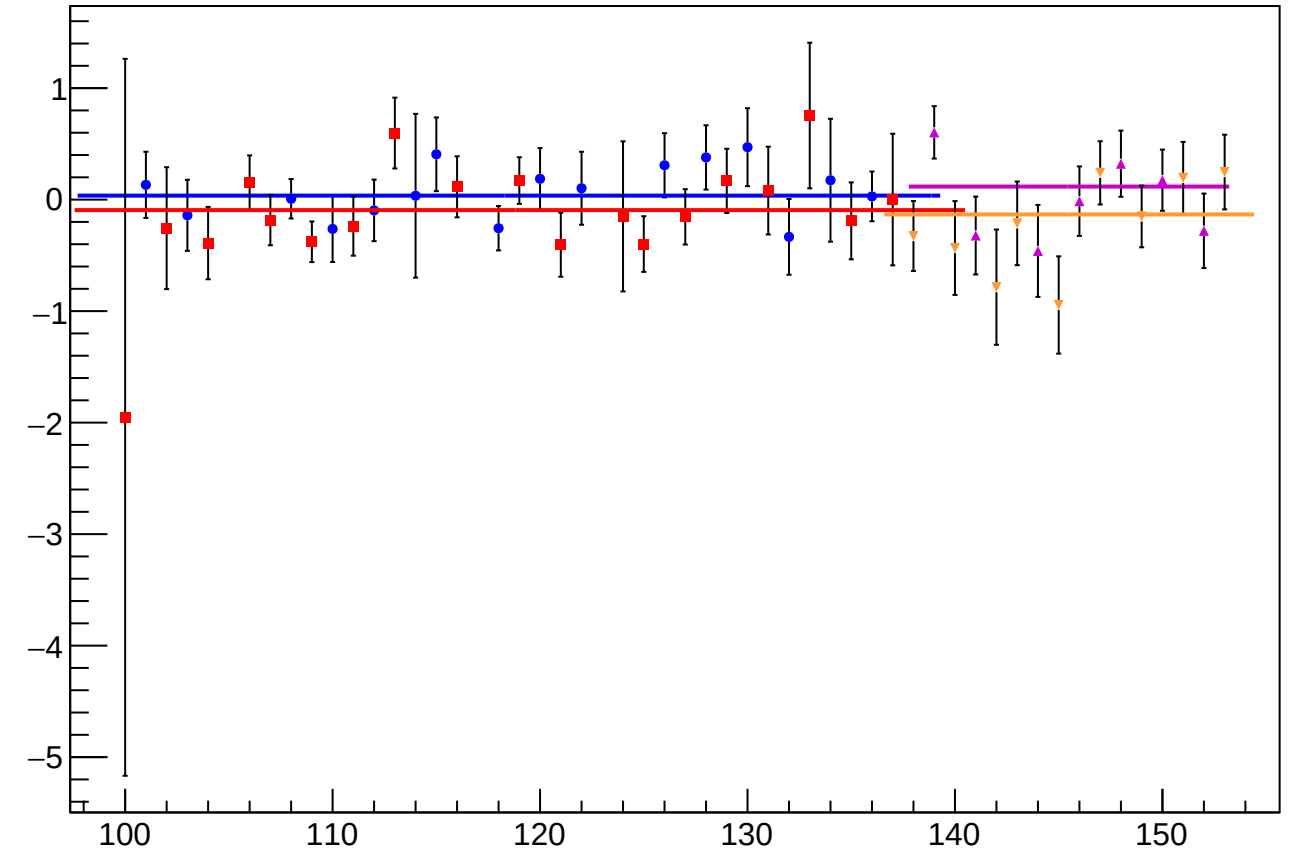
Left: 0.000+/-0.000 χ^2/NDF: 719184.5/15

Right: 0.000+/-0.000 χ^2/NDF: 2932262.7/34

In: 0.000+/-0.000 χ^2/NDF:1847052.0/22

Out: 0.000+/-0.000 χ^2/NDF:2619162.0/27

All: 0.000+/-0.000 χ^2/NDF: 4545113.4/50



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.133+/-0.115 χ^2/NDF:10.0/8

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.117+/-0.115 χ^2/NDF:9.9/6

Left: -0.008+/-0.081 χ^2/NDF: 22.3/15

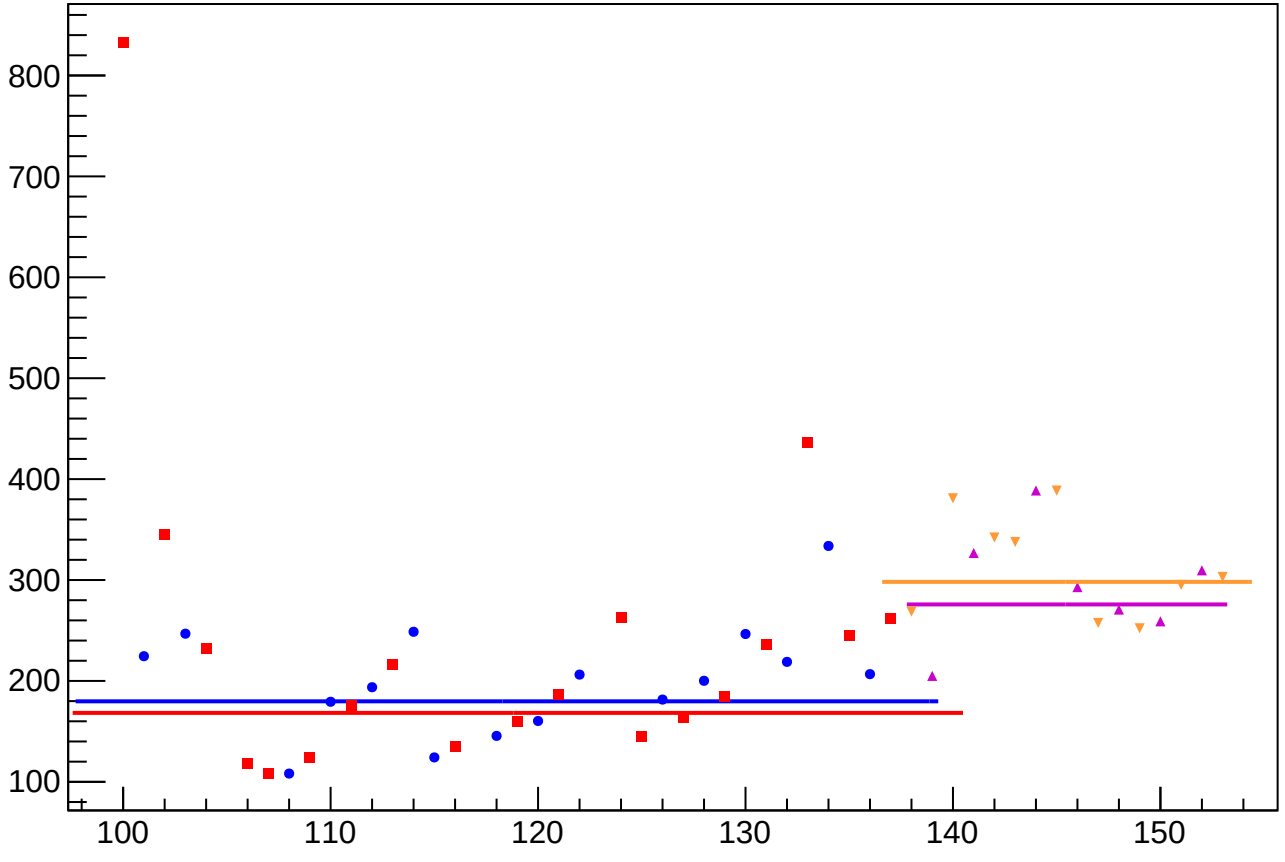
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.058+/-0.060 χ^2/NDF:20.8/22

Out: -0.104+/-0.058 χ^2/NDF:27.8/27

All: -0.026+/-0.042 χ^2/NDF: 52.3/50

asym_atr_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 298.159+/-0.081 χ^2/NDF:314684.3/8

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 275.814+/-0.081 χ^2/NDF:408466.5/6

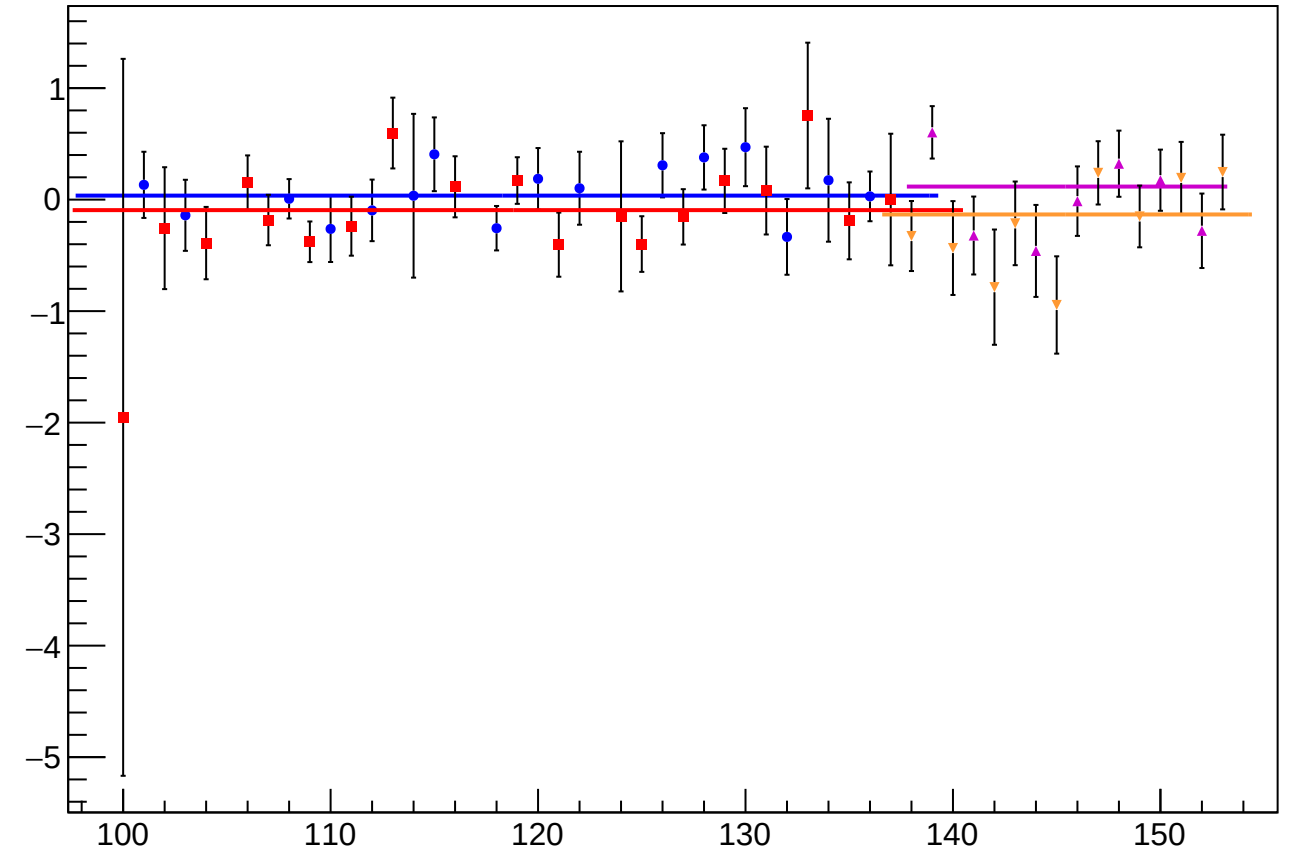
Left: 286.969+/-0.057 χ^2/NDF: 761081.4/15

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 206.185+/-0.042 χ^2/NDF:2344319.0/22

Out: 201.776+/-0.041 χ^2/NDF:3622235.5/27

All: 203.913+/-0.030 χ^2/NDF: 5972101.3/50



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.133+/-0.115 χ^2/NDF:10.0/8

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.117+/-0.115 χ^2/NDF:9.9/6

Left: -0.008+/-0.081 χ^2/NDF: 22.3/15

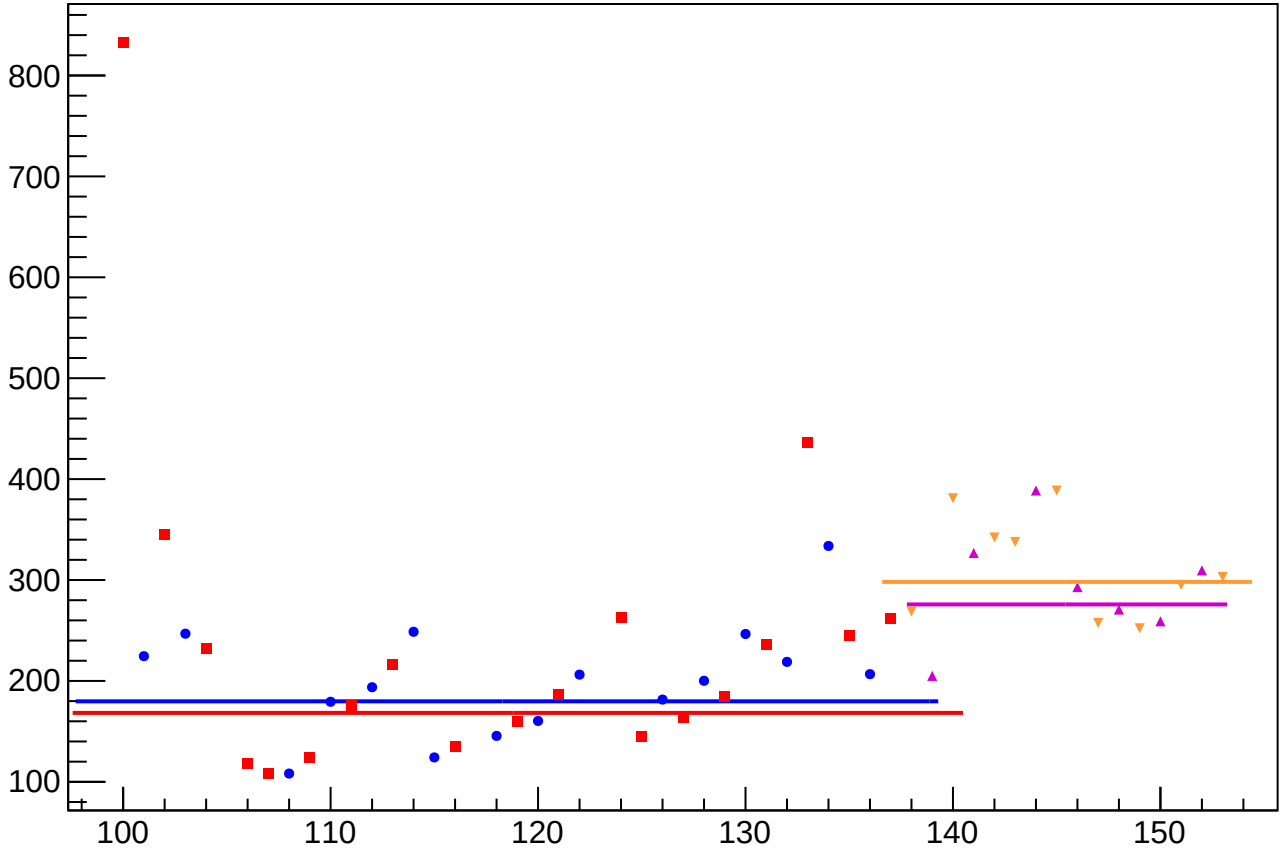
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.058+/-0.060 χ^2/NDF:20.8/22

Out: -0.104+/-0.058 χ^2/NDF:27.8/27

All: -0.026+/-0.042 χ^2/NDF: 52.3/50

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: 298.159+/-0.081 χ^2/NDF:314684.3/8

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 275.814+/-0.081 χ^2/NDF:408466.5/6

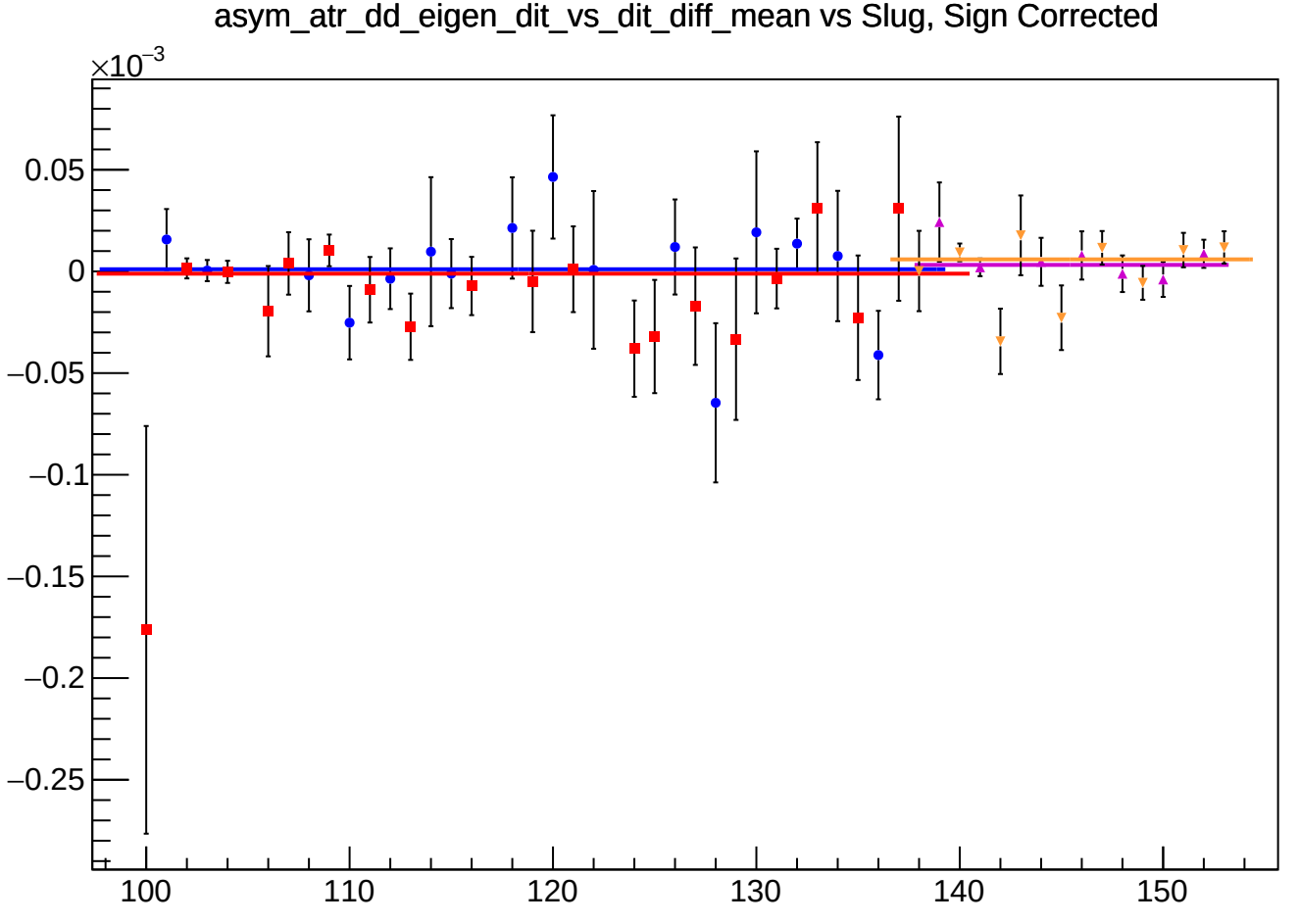
Left: 286.969+/-0.057 χ^2/NDF: 761081.4/15

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 206.185+/-0.042 χ^2/NDF:2344319.0/22

Out: 201.776+/-0.041 χ^2/NDF:3622235.5/27

All: 203.913+/-0.030 χ^2/NDF: 5972101.3/50



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/8

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

Left In: 0.000+/-0.000 χ^2/NDF:3.0/6

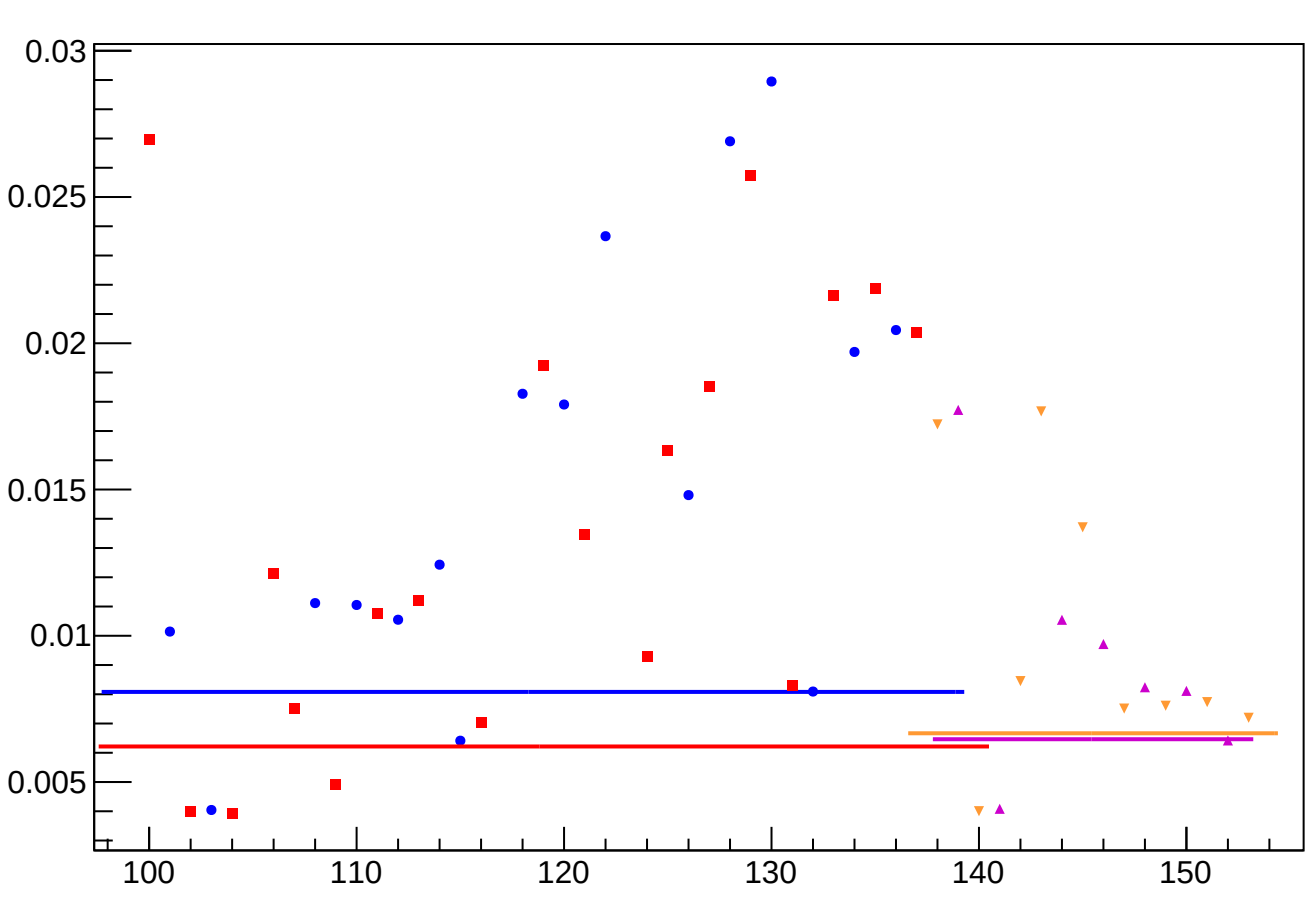
Left: 0.000+/-0.000 χ^2/NDF: 17.3/15

Right: -0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:17.5/22

Out: 0.000+/-0.000 χ^2/NDF:32.9/27

All: 0.000+/-0.000 χ^2/NDF: 50.4/50



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.007+/-0.000 χ^2/NDF:2448969.1/8

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

Left In: 0.006+/-0.000 χ^2/NDF:1807986.5/6

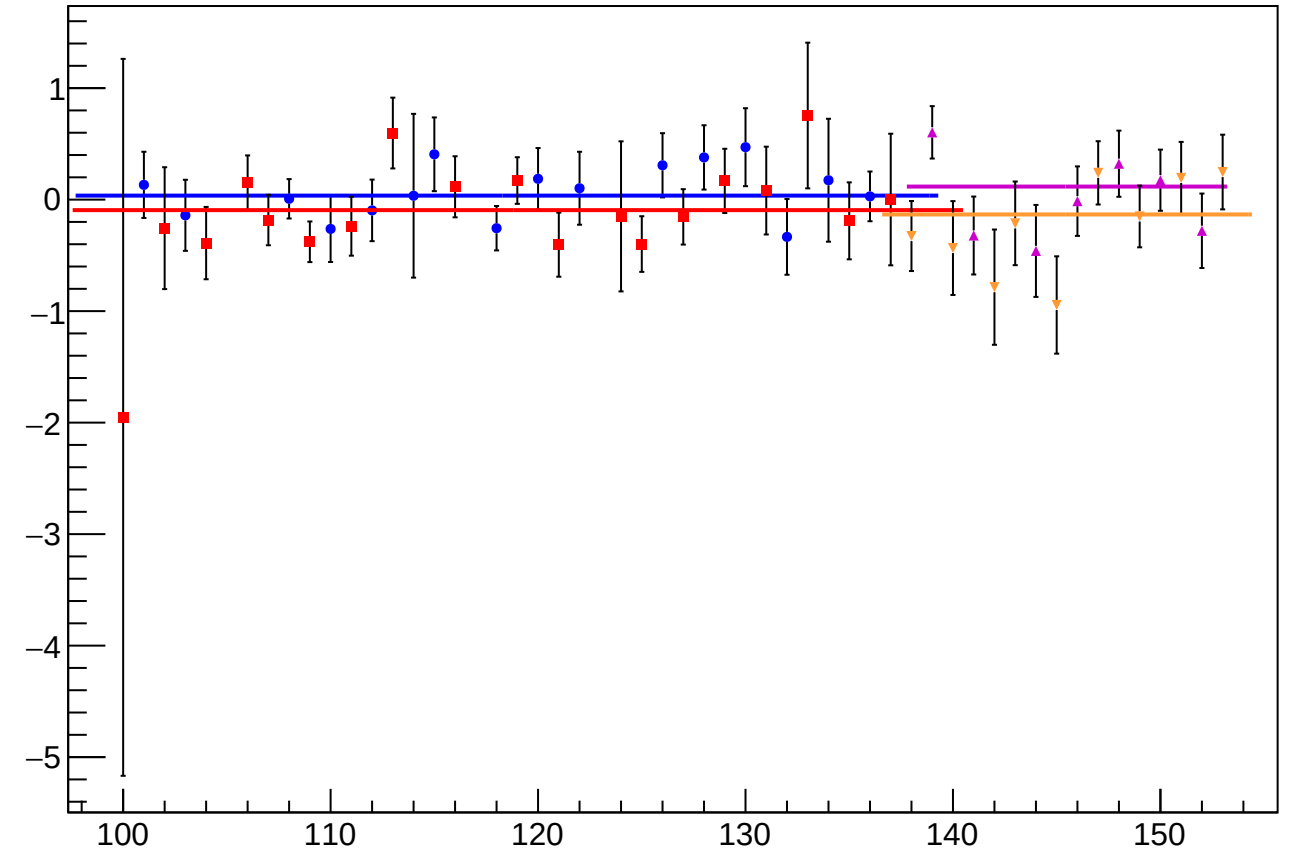
Left: 0.007+/-0.000 χ^2/NDF: 4261932.7/15

Right: 0.007+/-0.000 χ^2/NDF: 9295058.4/34

In: 0.007+/-0.000 χ^2/NDF:6455497.9/22

Out: 0.006+/-0.000 χ^2/NDF:7035463.2/27

All: 0.007+/-0.000 χ^2/NDF: 13580472.6/50



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.133+/-0.115 χ^2/NDF:10.0/8

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.117+/-0.115 χ^2/NDF:9.9/6

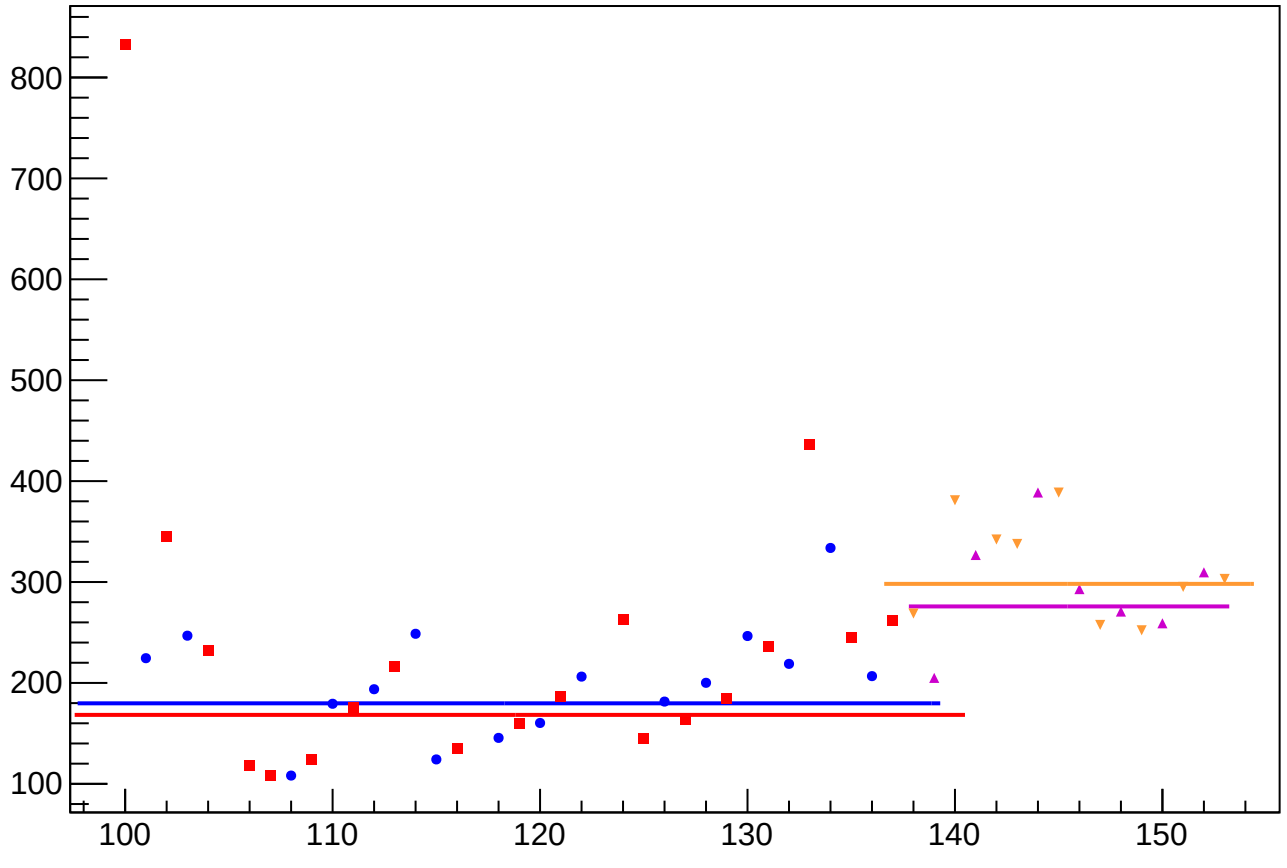
Left: -0.008+/-0.081 χ^2/NDF: 22.3/15

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.058+/-0.060 χ^2/NDF:20.8/22

Out: -0.104+/-0.058 χ^2/NDF:27.8/27

All: -0.026+/-0.042 χ^2/NDF: 52.3/50



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 298.163+/-0.081 χ^2/NDF:314667.5/8

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 275.817+/-0.081 χ^2/NDF:408440.1/6

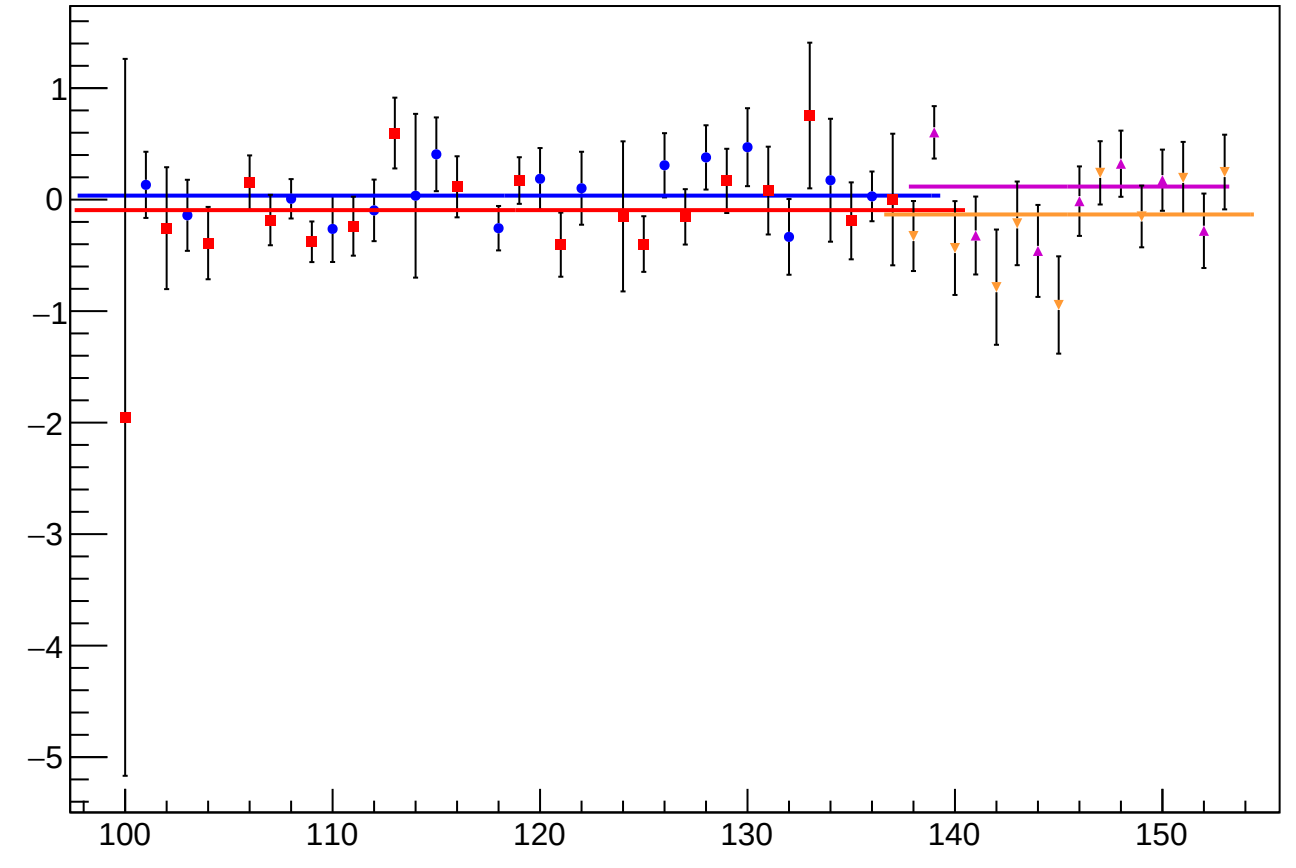
Left: 286.973+/-0.057 χ^2/NDF: 761037.7/15

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 206.183+/-0.042 χ^2/NDF:2344462.9/22

Out: 201.777+/-0.041 χ^2/NDF:3622302.5/27

All: 203.912+/-0.030 χ^2/NDF: 5972307.1/50



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.133+/-0.115 χ^2/NDF:10.0/8

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.117+/-0.115 χ^2/NDF:9.9/6

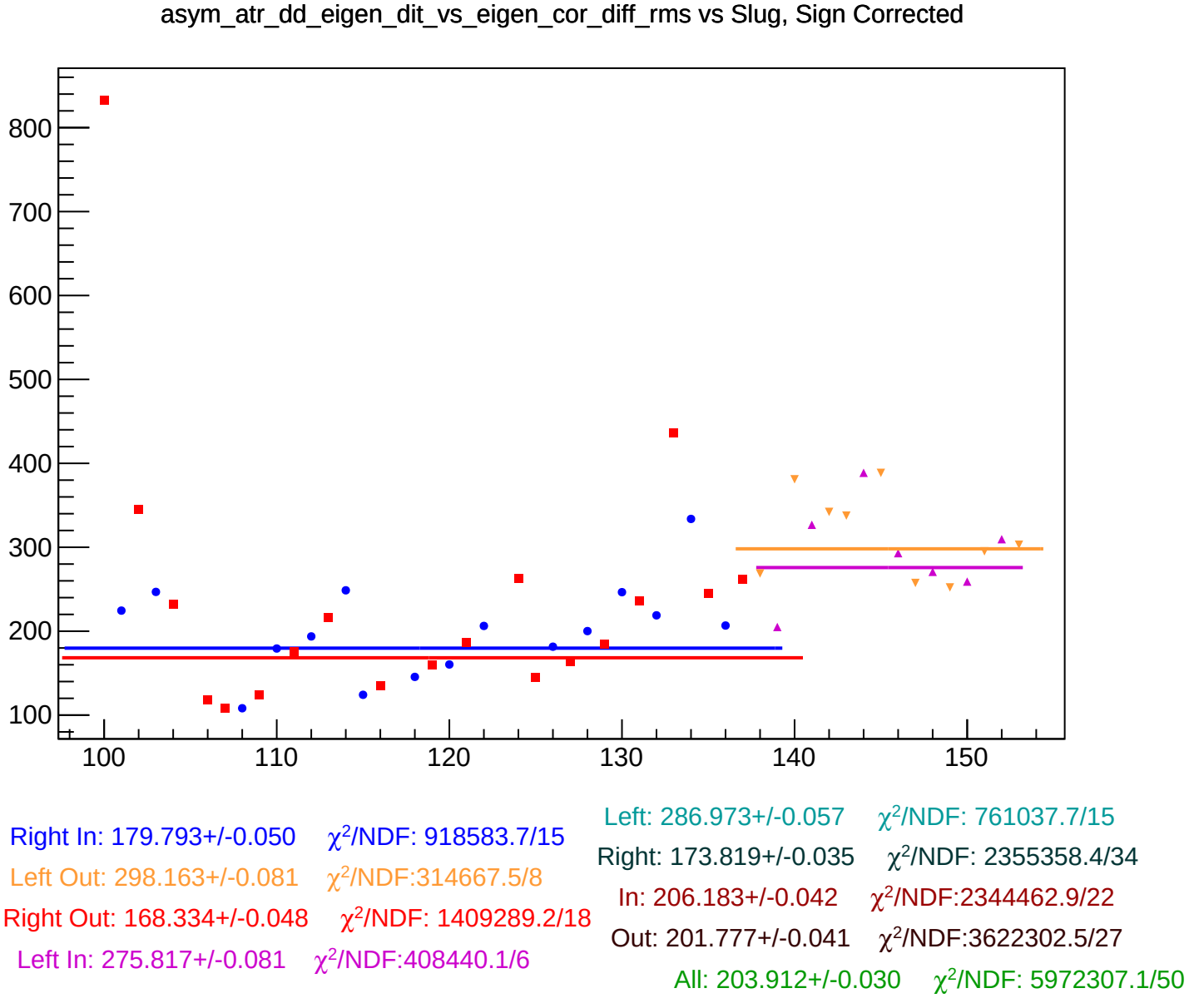
Left: -0.008+/-0.081 χ^2/NDF: 22.3/15

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.058+/-0.060 χ^2/NDF:20.8/22

Out: -0.104+/-0.058 χ^2/NDF:27.8/27

All: -0.026+/-0.042 χ^2/NDF: 52.3/50


asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
800
700
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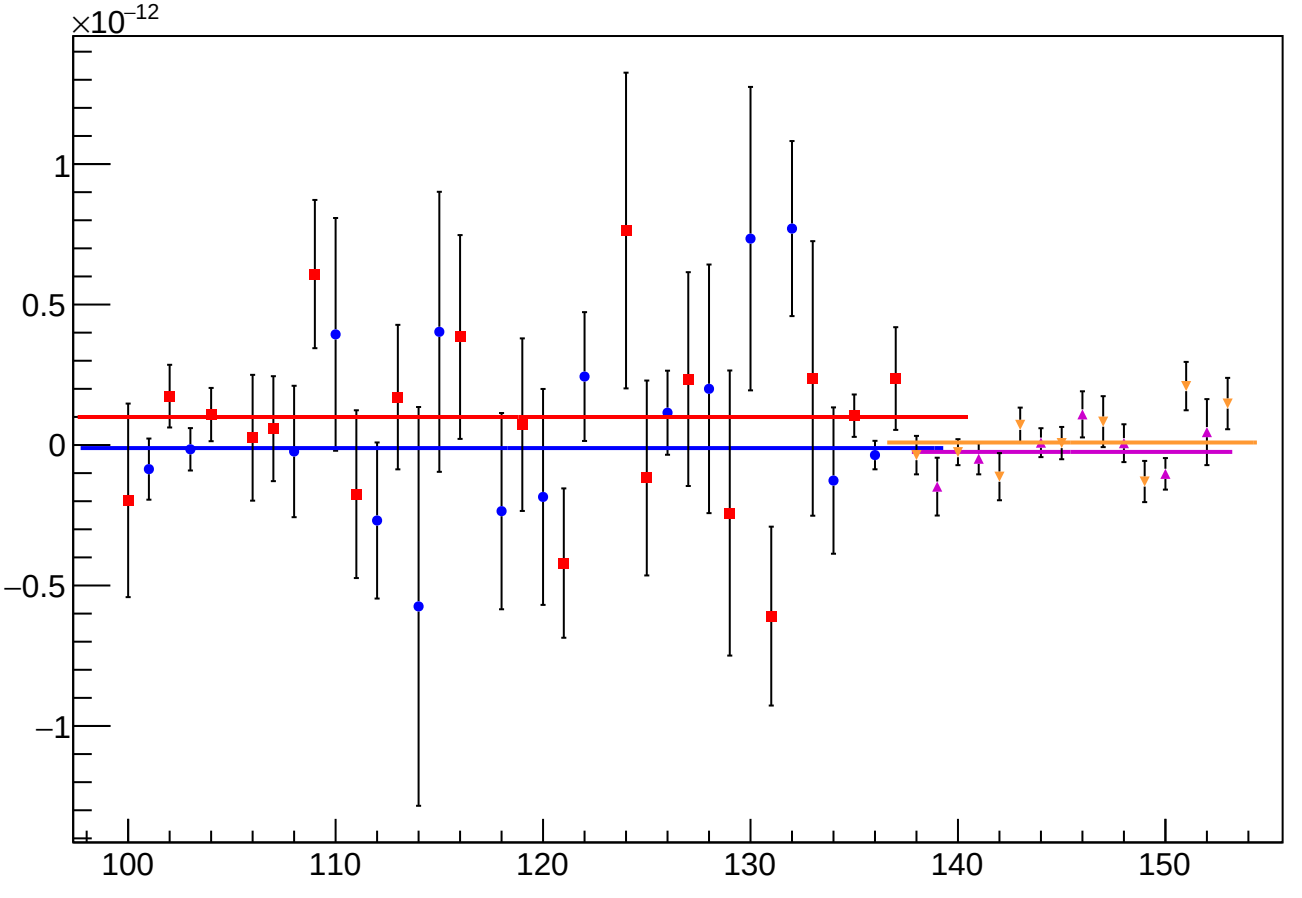
500
400
300
200
100
100
110
120
130
140
150
Right In: 179.793+/-0.050 χ²/NDF: 918583.7/15
Left Out: 298.163+/-0.081 χ²/NDF:314667.5/8
Right Out: 168.334+/-0.048 χ²/NDF: 1409289.2/18
Left In: 275.817+/-0.081 χ²/NDF:408440.1/6
Left: 286.973+/-0.057 χ²/NDF: 761037.7/15
Right: 173.819+/-0.035 χ²/NDF: 2355358.4/34
In: 206.183+/-0.042 χ²/NDF:2344462.9/22
Out: 201.777+/-0.041 χ²/NDF:3622302.5/27
All: 203.912+/-0.030 χ²/NDF: 5972307.1/50



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.1/8

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:7.2/6

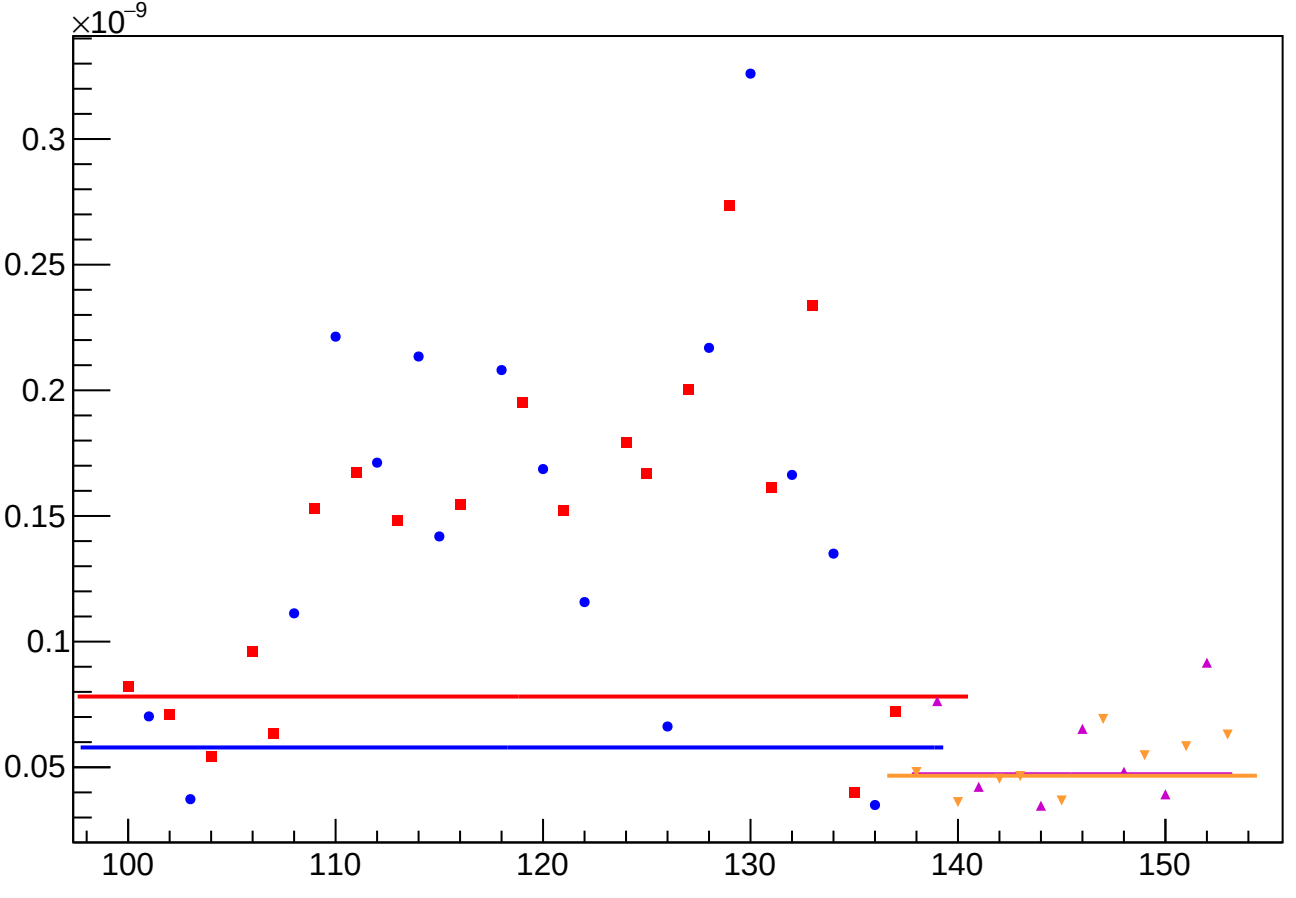
Left: -0.000+/-0.000 χ^2/NDF: 24.3/15

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:22.3/22

Out: 0.000+/-0.000 χ^2/NDF:38.1/27

All: 0.000+/-0.000 χ^2/NDF: 63.4/50



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:413454.7/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

Left In: 0.000+/-0.000 χ^2/NDF:718033.8/6

Left: 0.000+/-0.000 χ^2/NDF: 1132060.3/15

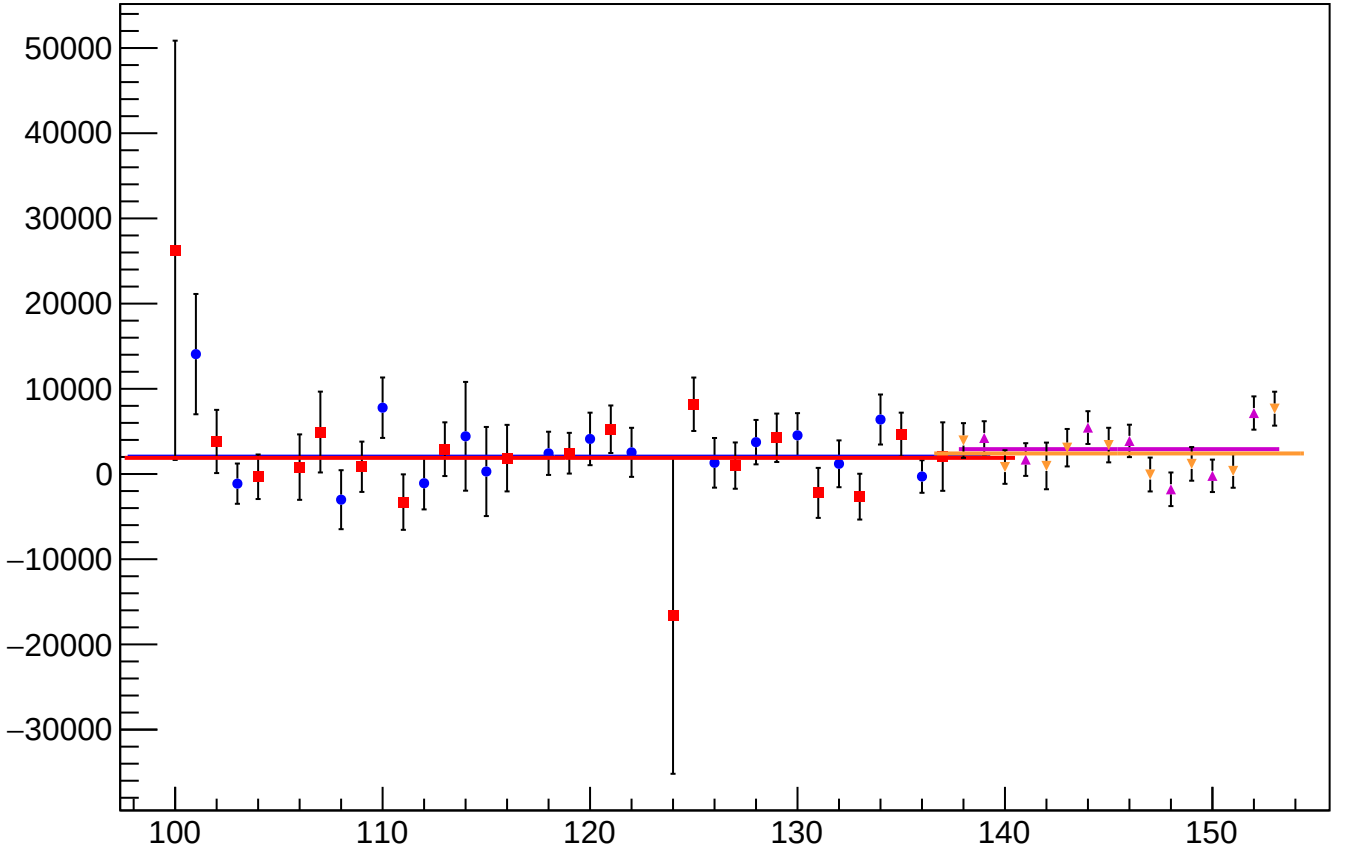
Right: 0.000+/-0.000 χ^2/NDF: 6327236.3/34

In: 0.000+/-0.000 χ^2/NDF:4161720.4/22

Out: 0.000+/-0.000 χ^2/NDF:4013986.6/27

All: 0.000+/-0.000 χ^2/NDF: 8195363.9/50

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2412.754+/-690.264 χ^2/NDF:11.8/8

Right Out: 1895.242+/-736.762 χ^2/NDF: 18.5/18

Left In: 2917.482+/-730.817 χ^2/NDF:16.0/6

Left: 2650.727+/-501.815 χ^2/NDF: 28.0/15

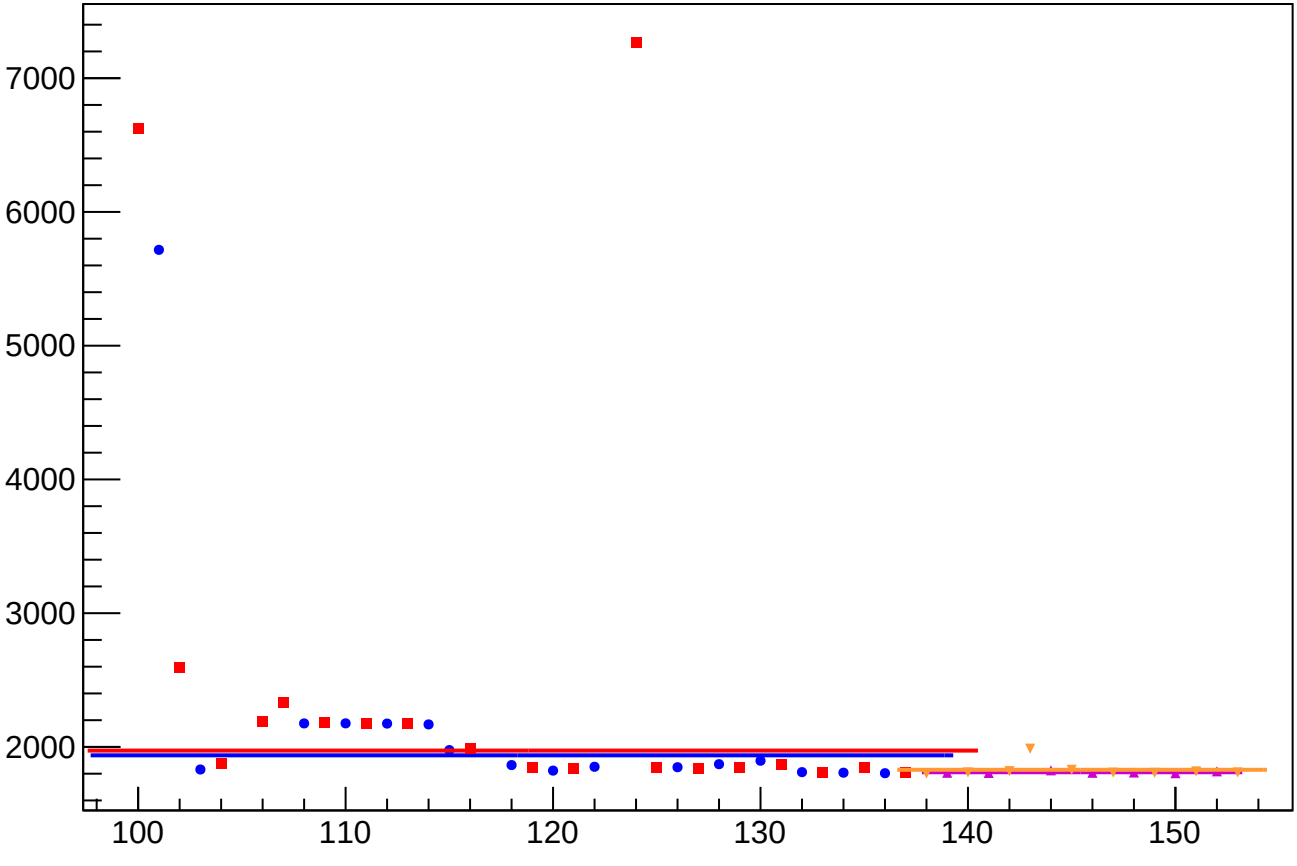
Right: 1967.281+/-520.774 χ^2/NDF: 35.0/34

In: 2481.576+/-518.662 χ^2/NDF:33.1/22

Out: 2170.842+/-503.727 χ^2/NDF:30.6/27

All: 2321.671+/-361.354 χ^2/NDF: 63.9/50

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1829.159+/-0.488 χ^2/NDF:11677.5/8

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

Left In: 1810.792+/-0.517 χ^2/NDF:194.5/6

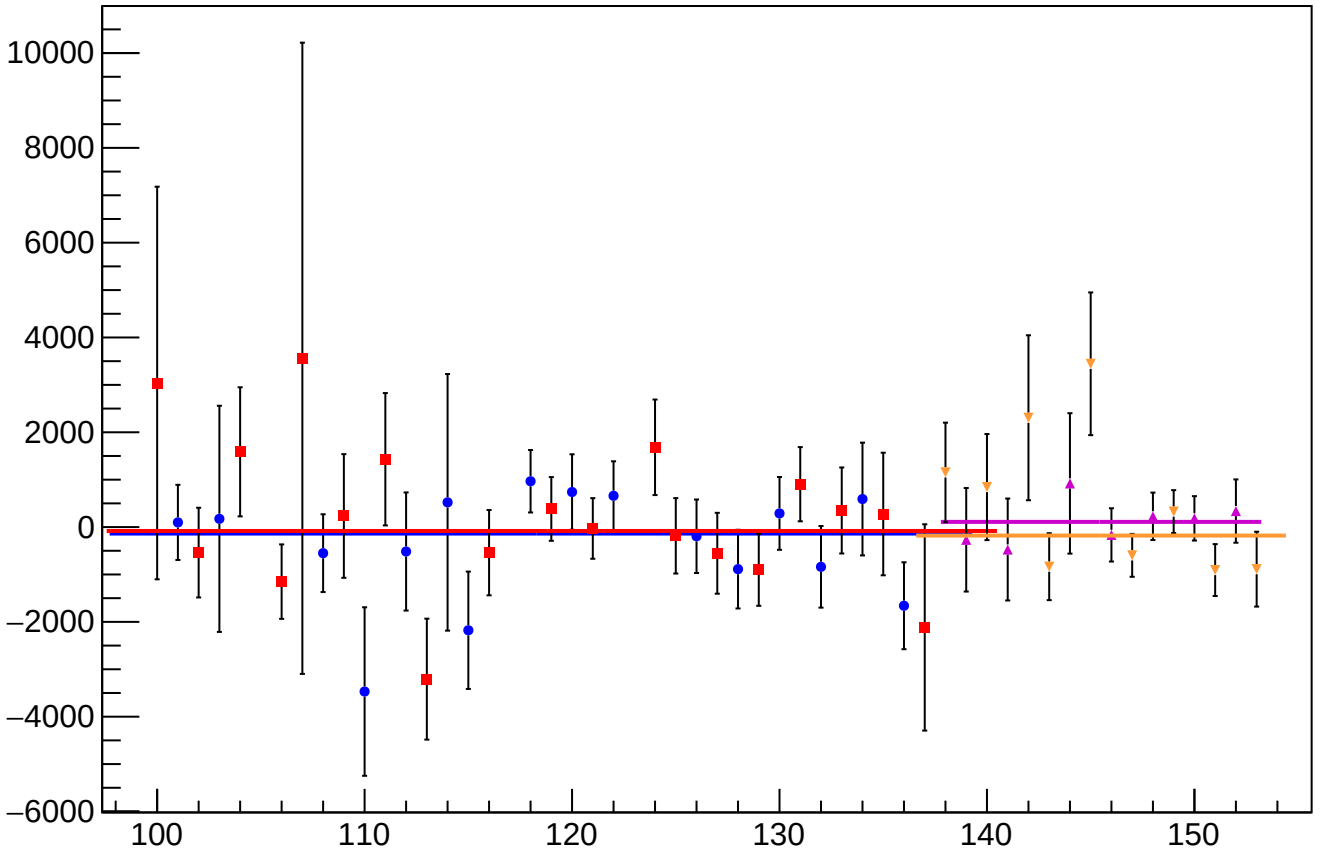
Left: 1820.499+/-0.355 χ^2/NDF: 12539.7/15

Right: 1954.992+/-0.368 χ^2/NDF: 1017954.2/34

In: 1873.557+/-0.367 χ^2/NDF:668009.0/22

Out: 1896.286+/-0.356 χ^2/NDF:429676.8/27

All: 1885.253+/-0.256 χ^2/NDF: 1099662.4/50



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: -179.185+/-228.248 χ^2/NDF:15.8/8

Right Out: -82.296+/-222.019 χ^2/NDF: 19.7/18

Left In: 109.663+/-249.039 χ^2/NDF:1.1/6

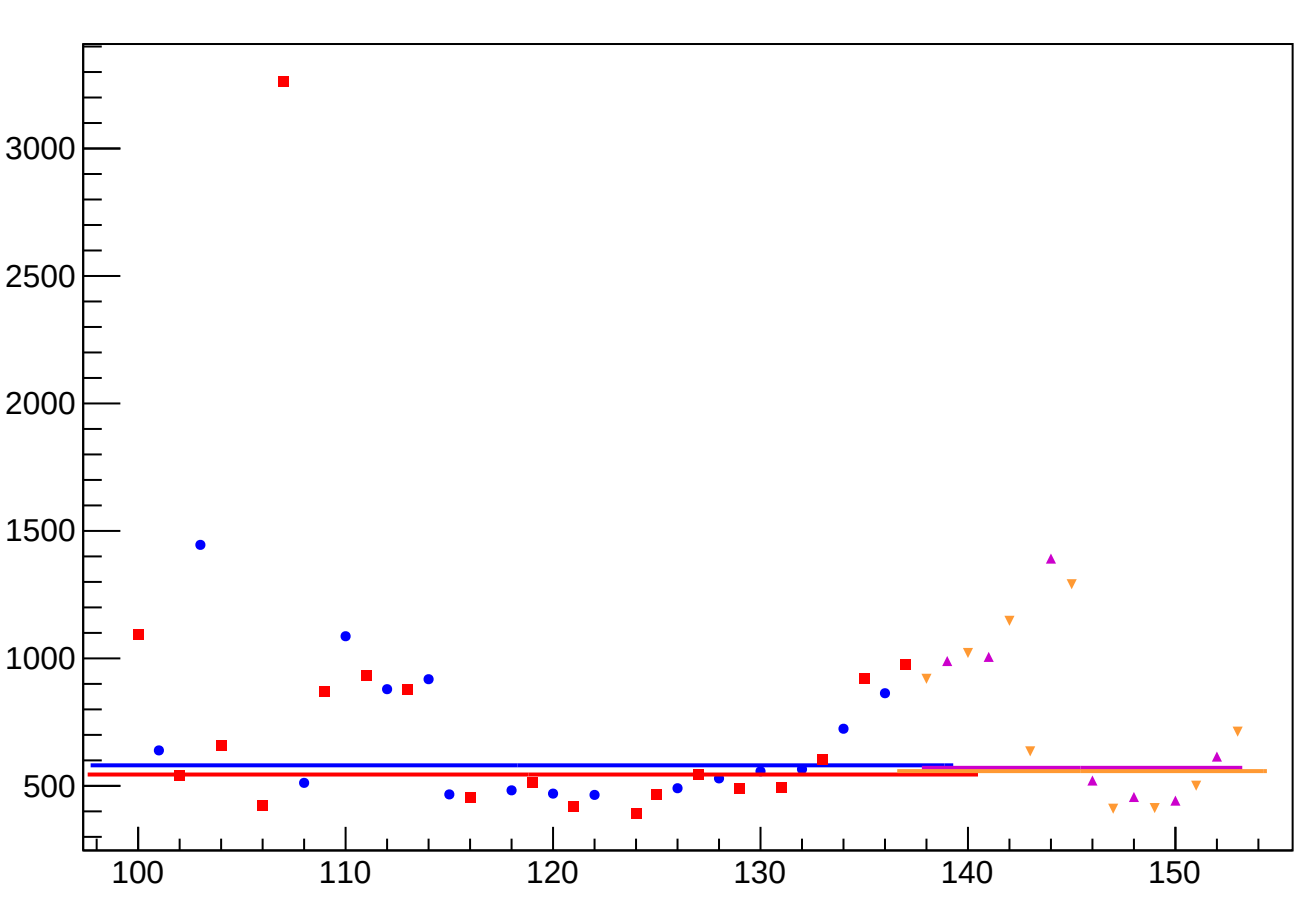
Left: -47.320+/-168.267 χ^2/NDF: 17.7/15

Right: -108.459+/-159.882 χ^2/NDF: 36.7/34

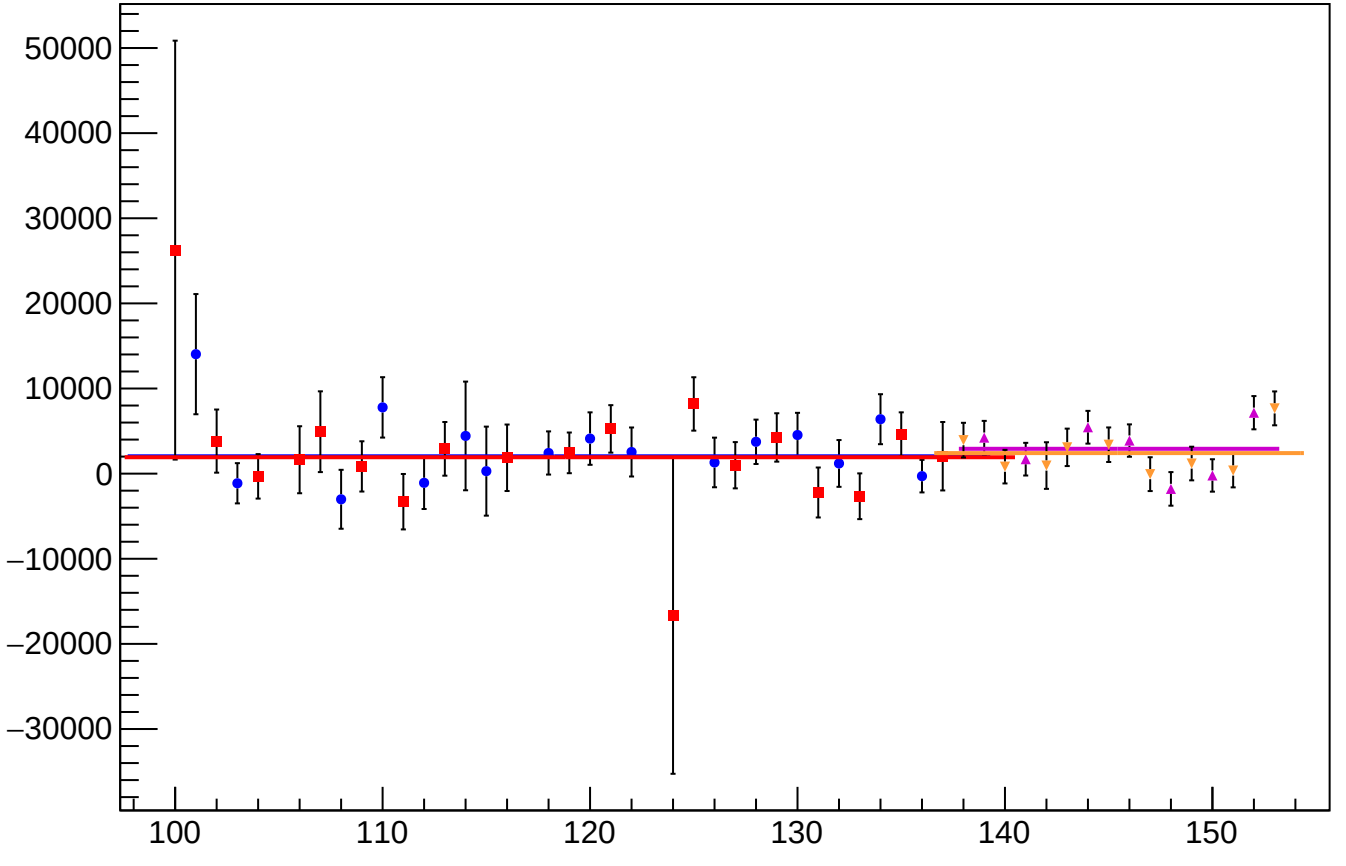
In: -23.035+/-169.135 χ^2/NDF:18.6/22

Out: -129.400+/-159.148 χ^2/NDF:35.7/27

All: -79.451+/-115.905 χ^2/NDF: 54.4/50


asym_at1_avg_reg_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
Right In: 580.611+/-0.163 χ²/NDF: 1003410.8/15
Left Out: 557.917+/-0.161 χ²/NDF:1825429.9/8
Right Out: 544.530+/-0.157 χ²/NDF: 1287643.0/18
Left In: 570.761+/-0.176 χ²/NDF:1515472.1/6
Left: 563.780+/-0.119 χ²/NDF: 3343793.1/15
Right: 561.900+/-0.113 χ²/NDF: 2316481.8/34
In: 576.067+/-0.120 χ²/NDF:2520568.5/22
Out: 551.038+/-0.113 χ²/NDF:3116607.8/27
All: 562.792+/-0.082 χ²/NDF: 5660406.2/50

cor_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2412.649+/-690.264 χ^2/NDF:11.8/8

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 2917.719+/-730.817 χ^2/NDF:16.0/6

Left: 2650.782+/-501.815 χ^2/NDF: 28.0/15

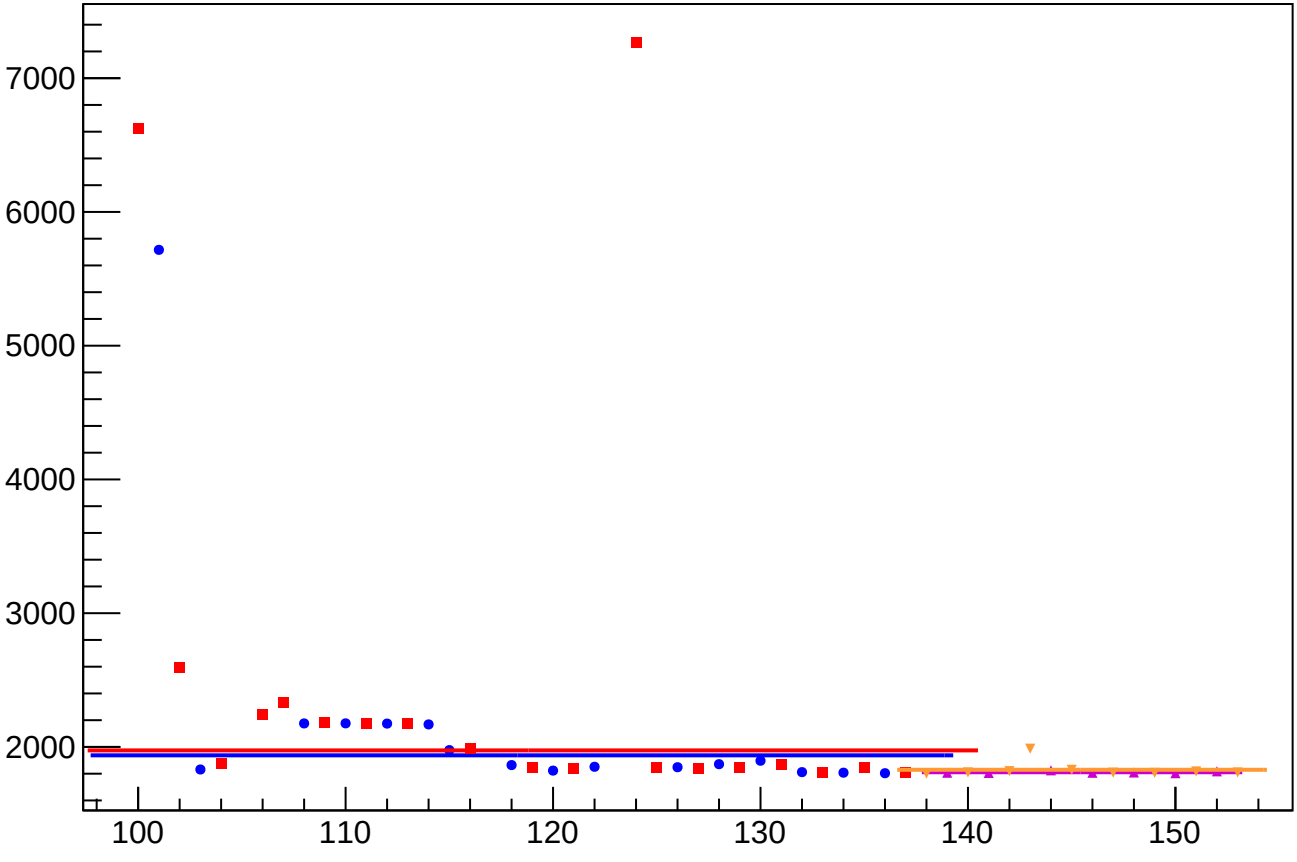
Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2481.512+/-518.662 χ^2/NDF:33.1/22

Out: 2185.501+/-503.934 χ^2/NDF:30.5/27

All: 2329.244+/-361.430 χ^2/NDF: 63.7/50

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1829.159+/-0.488 χ^2/NDF:11677.5/8

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1810.792+/-0.517 χ^2/NDF:194.5/6

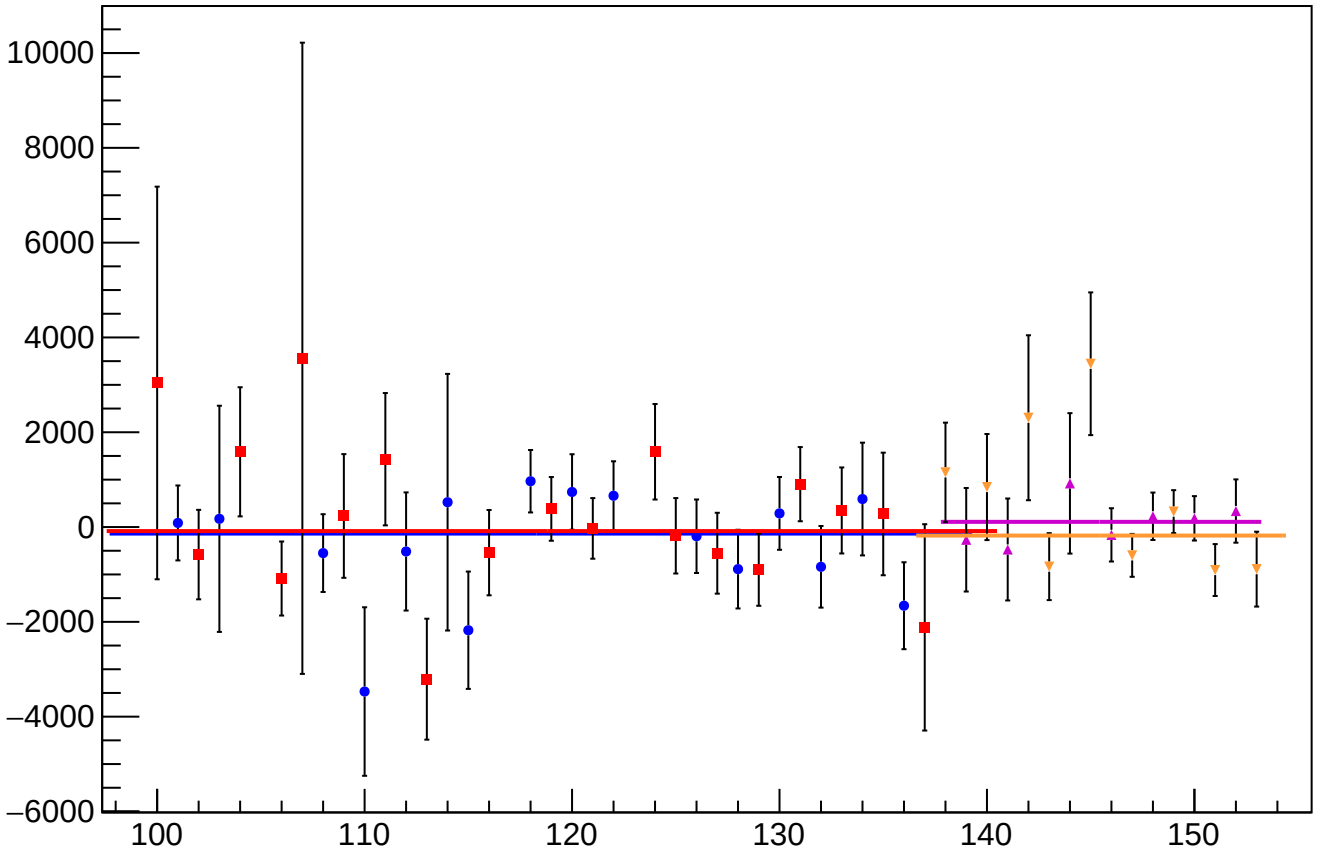
Left: 1820.499+/-0.355 χ^2/NDF: 12539.7/15

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1873.556+/-0.367 χ^2/NDF:668009.0/22

Out: 1896.874+/-0.356 χ^2/NDF:433321.5/27

All: 1885.551+/-0.256 χ^2/NDF: 1103409.9/50



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -179.509+/-228.247 χ^2/NDF:15.8/8

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 109.667+/-249.041 χ^2/NDF:1.2/6

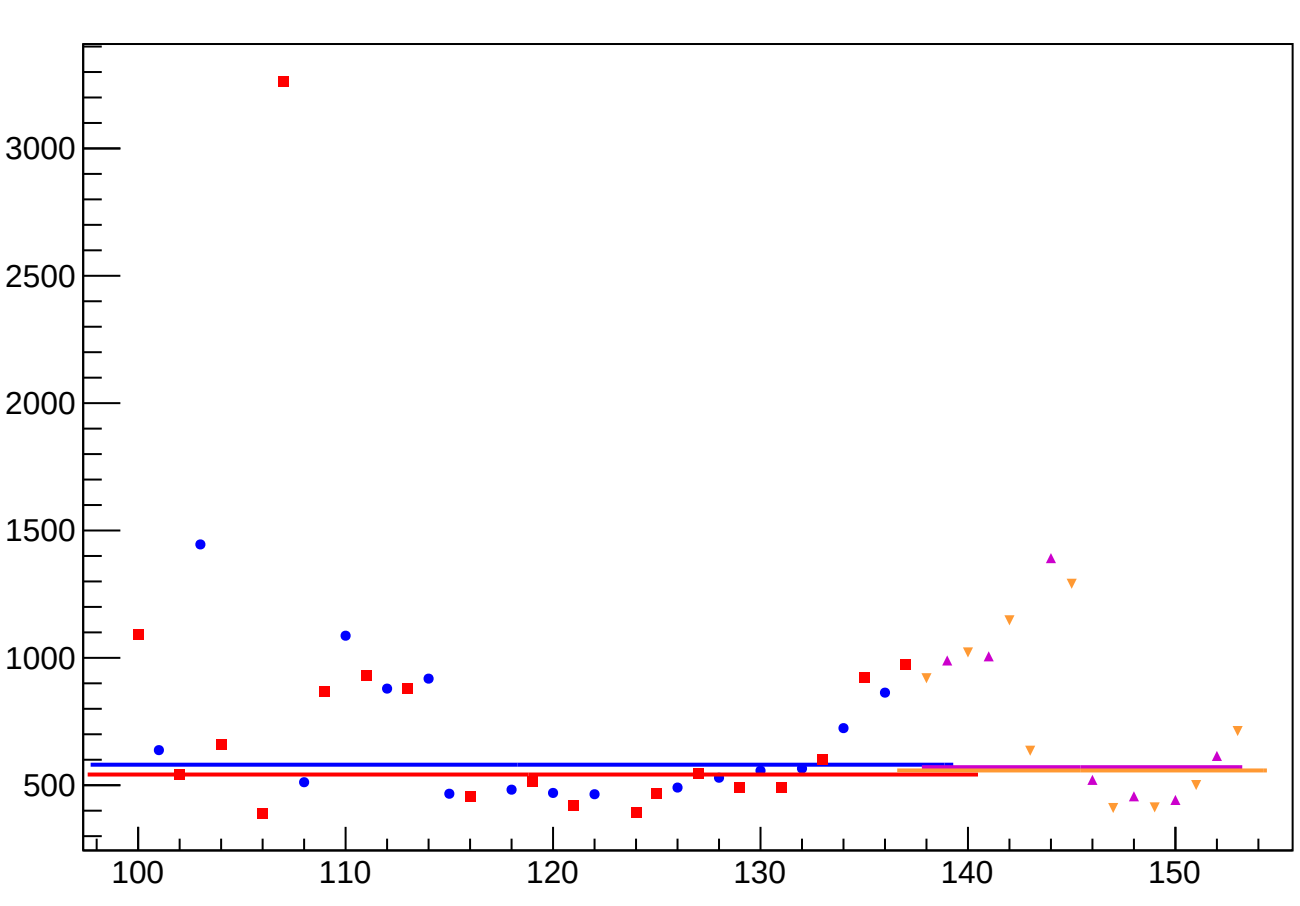
Left: -47.495+/-168.267 χ^2/NDF: 17.7/15

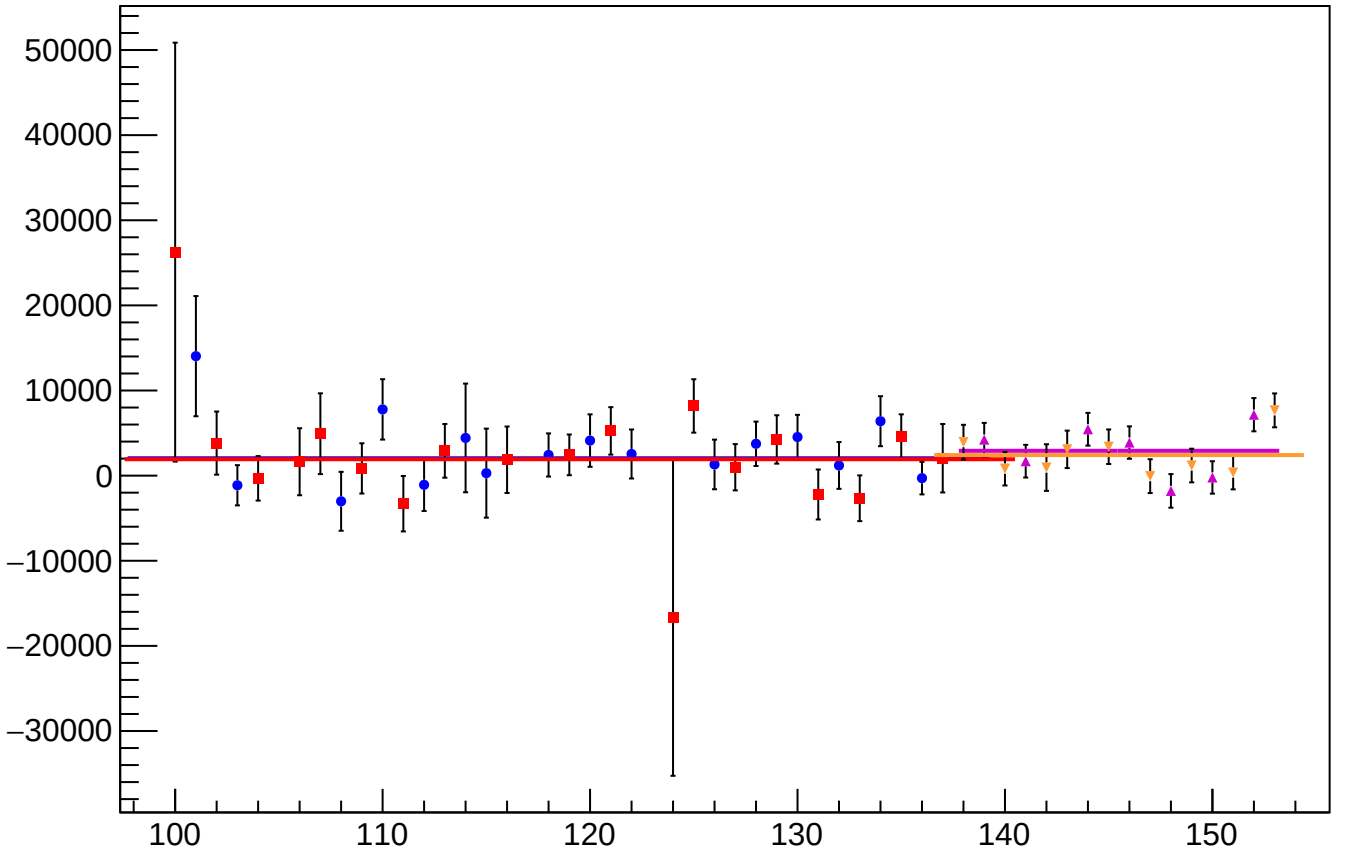
Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: -23.516+/-169.117 χ^2/NDF:18.6/22

Out: -130.891+/-159.096 χ^2/NDF:35.2/27

All: -80.479+/-115.879 χ^2/NDF: 54.0/50


asym_at1_avg_cor_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
Right In: 580.519+/-0.163 χ²/NDF: 1002900.5/15
Left Out: 557.914+/-0.161 χ²/NDF:1825434.2/8
Right Out: 541.939+/-0.157 χ²/NDF: 1318850.5/18
Left In: 570.764+/-0.176 χ²/NDF:1515479.1/6
Left: 563.780+/-0.119 χ²/NDF: 3343807.1/15
Right: 560.504+/-0.113 χ²/NDF: 2350848.1/34
In: 576.020+/-0.120 χ²/NDF:2520033.1/22
Out: 549.700+/-0.112 χ²/NDF:3149321.7/27
All: 562.057+/-0.082 χ²/NDF: 5695053.8/50



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2412.649+/-690.264 χ^2/NDF:11.8/8

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 2917.719+/-730.817 χ^2/NDF:16.0/6

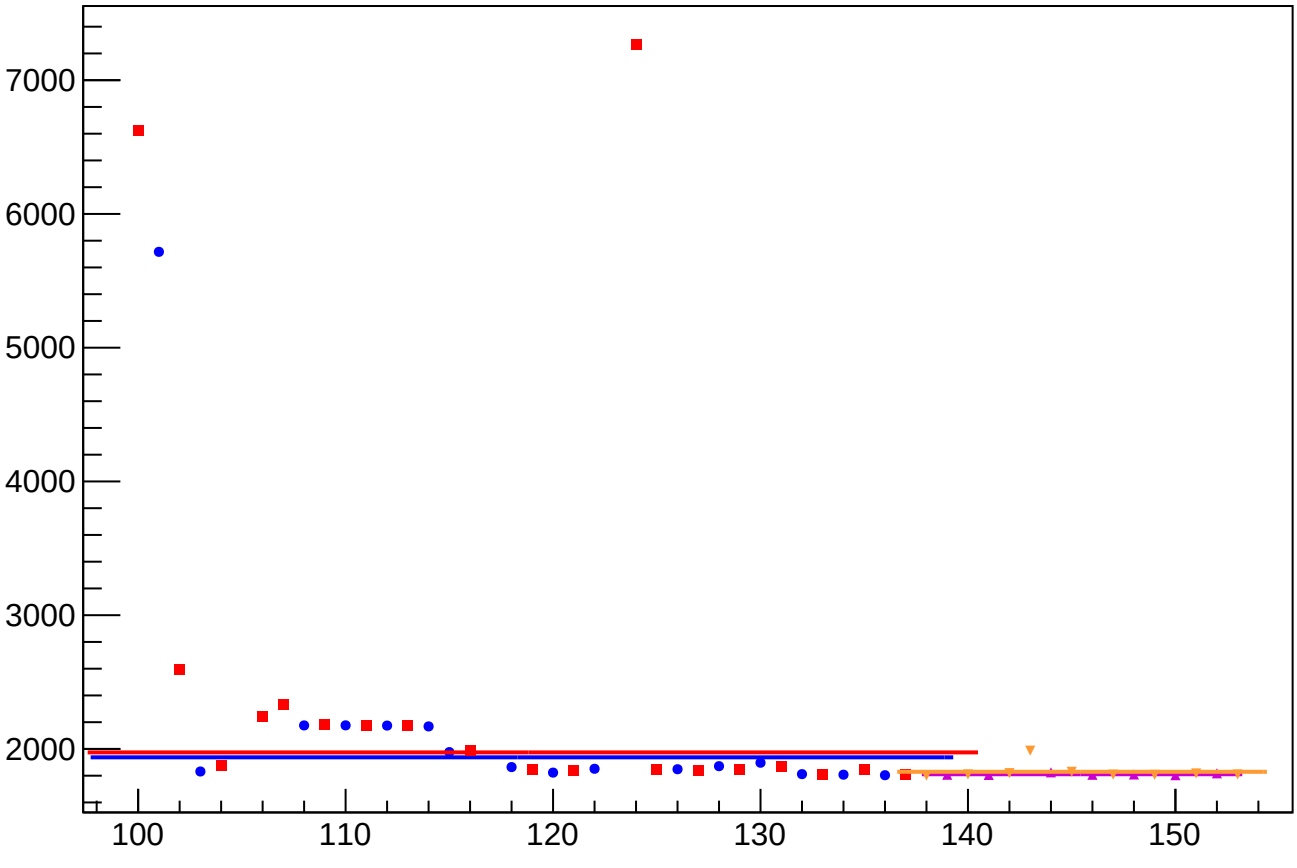
Left: 2650.782+/-501.815 χ^2/NDF: 28.0/15

Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2481.512+/-518.662 χ^2/NDF:33.1/22

Out: 2185.501+/-503.934 χ^2/NDF:30.5/27

All: 2329.244+/-361.430 χ^2/NDF: 63.7/50



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1829.159+/-0.488 χ^2/NDF:11677.5/8

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1810.792+/-0.517 χ^2/NDF:194.5/6

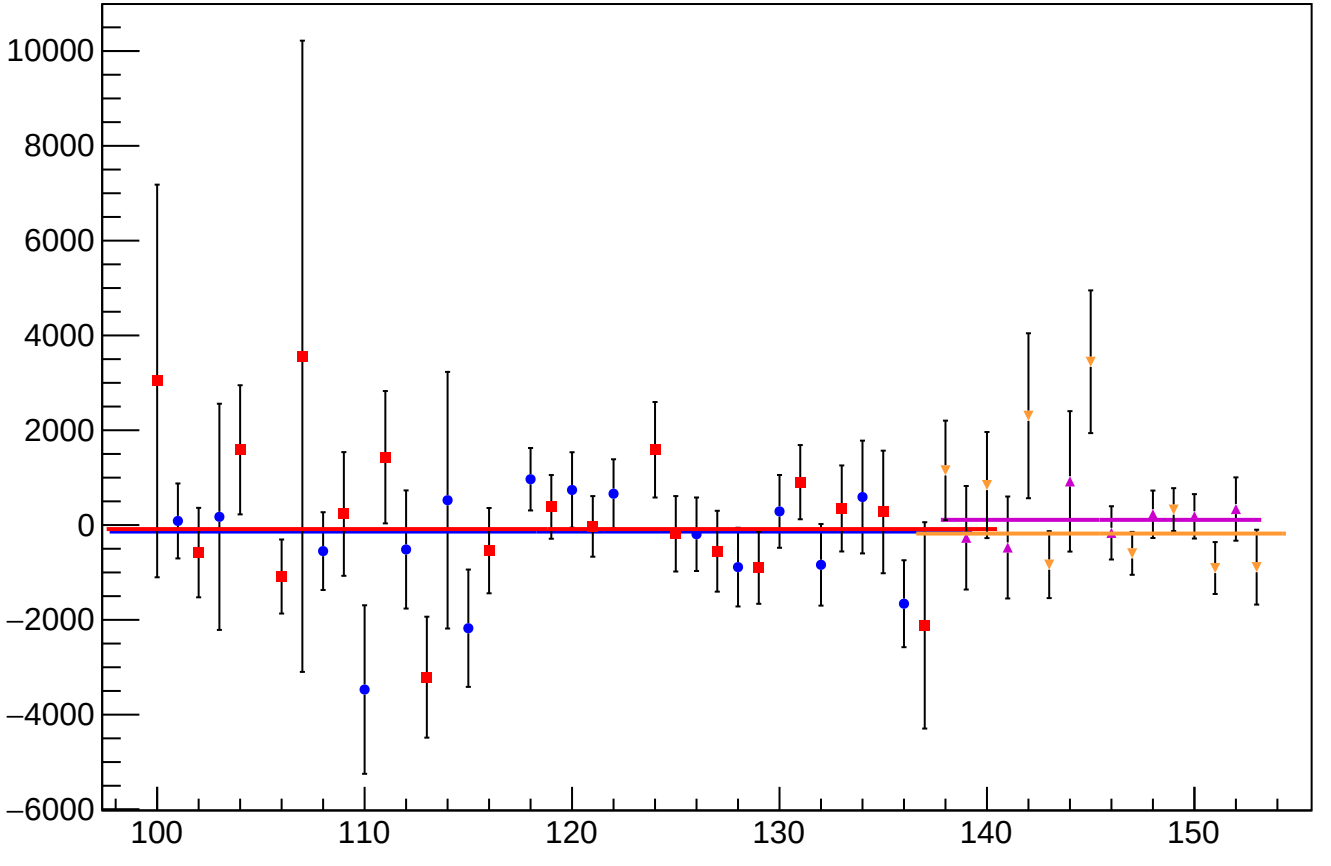
Left: 1820.499+/-0.355 χ^2/NDF: 12539.7/15

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1873.556+/-0.367 χ^2/NDF:668009.0/22

Out: 1896.874+/-0.356 χ^2/NDF:433321.5/27

All: 1885.551+/-0.256 χ^2/NDF: 1103409.9/50



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -179.509+/-228.247 χ^2/NDF:15.8/8

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 109.667+/-249.041 χ^2/NDF:1.2/6

Left: -47.495+/-168.267 χ^2/NDF: 17.7/15

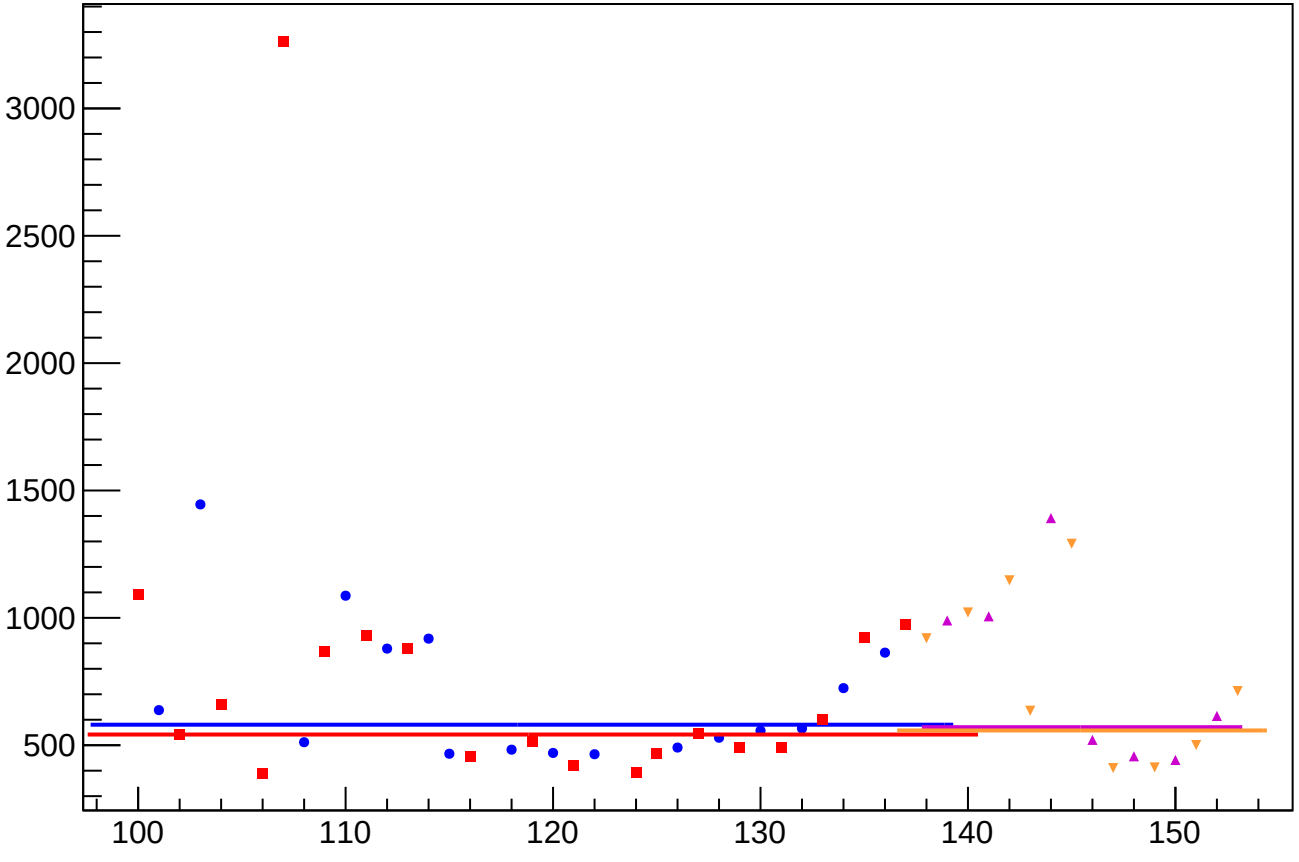
Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: -23.516+/-169.117 χ^2/NDF:18.6/22

Out: -130.891+/-159.096 χ^2/NDF:35.2/27

All: -80.479+/-115.879 χ^2/NDF: 54.0/50

asym_at1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 557.914+/-0.161 χ^2/NDF:1825434.2/8

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 570.764+/-0.176 χ^2/NDF:1515479.1/6

Left: 563.780+/-0.119 χ^2/NDF: 3343807.1/15

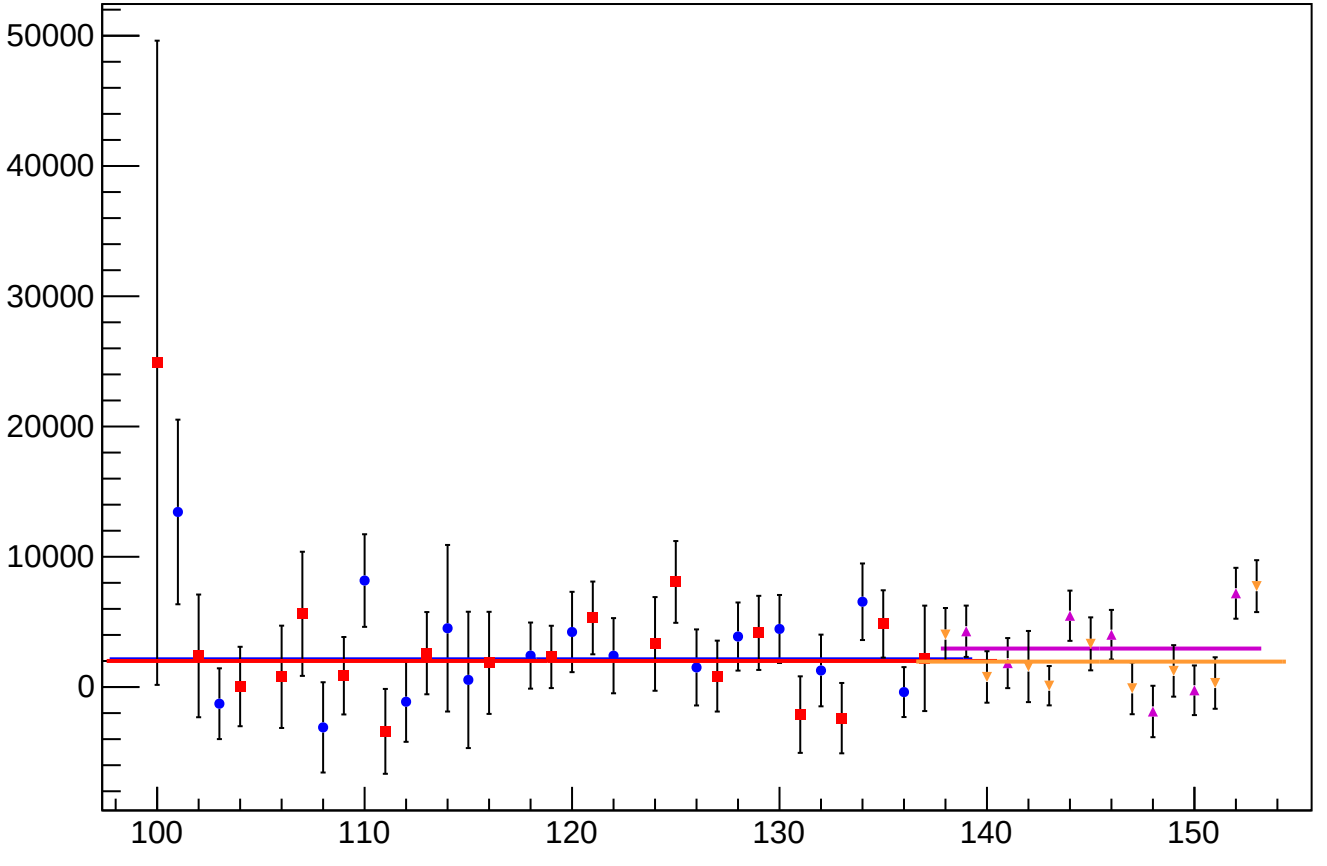
Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 576.020+/-0.120 χ^2/NDF:2520033.1/22

Out: 549.700+/-0.112 χ^2/NDF:3149321.7/27

All: 562.057+/-0.082 χ^2/NDF: 5695053.8/50

dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1952.465+/-655.563 χ^2/NDF:13.7/8

Right Out: 2002.220+/-737.195 χ^2/NDF: 16.7/18

Left In: 2954.465+/-731.783 χ^2/NDF:16.3/6

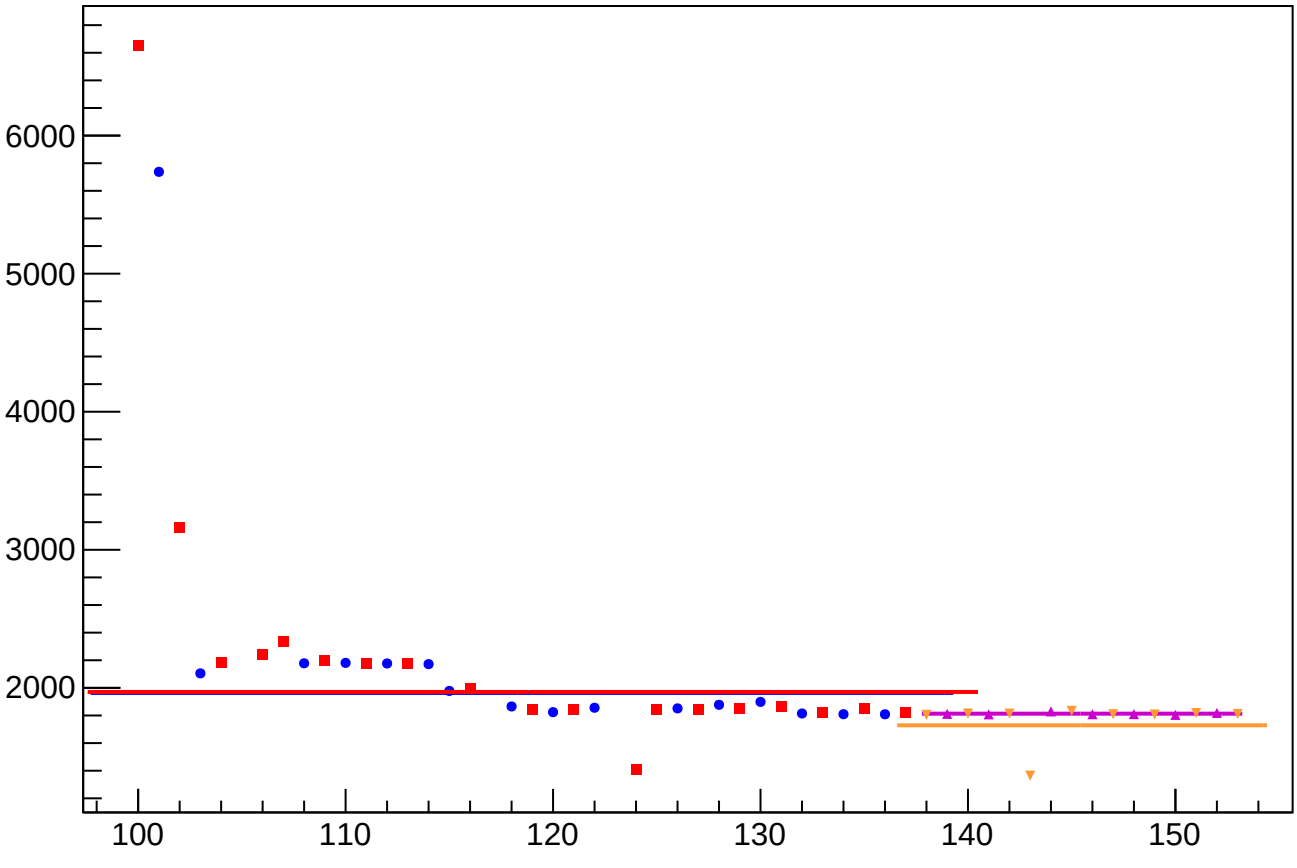
Left: 2398.581+/-488.284 χ^2/NDF: 31.1/15

Right: 2064.712+/-524.445 χ^2/NDF: 33.3/34

In: 2549.684+/-522.486 χ^2/NDF:33.5/22

Out: 1974.436+/-489.882 χ^2/NDF:30.4/27

All: 2243.553+/-357.370 χ^2/NDF: 64.6/50



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1728.917+/-0.464 χ^2/NDF:144043.7/8

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

Left In: 1813.141+/-0.517 χ^2/NDF:230.9/6

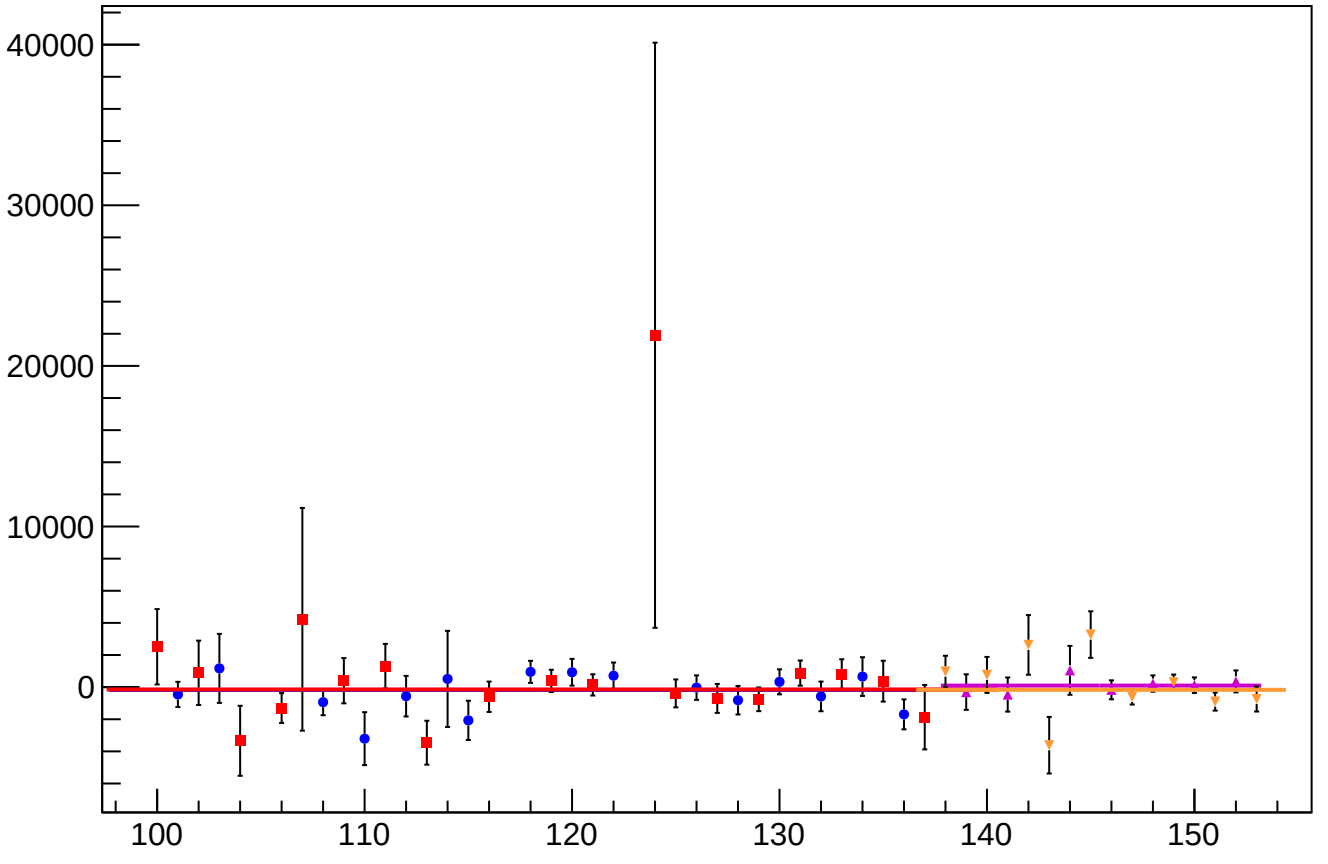
Left: 1766.416+/-0.345 χ^2/NDF: 158972.5/15

Right: 1966.980+/-0.371 χ^2/NDF: 985477.3/34

In: 1886.808+/-0.369 χ^2/NDF:681829.9/22

Out: 1835.580+/-0.346 χ^2/NDF:609073.4/27

All: 1859.546+/-0.253 χ^2/NDF: 1301135.2/50



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: -167.585+/-245.689 χ^2/NDF:17.8/8

Right Out: -147.489+/-242.848 χ^2/NDF: 20.1/18

Left In: 95.232+/-255.869 χ^2/NDF:1.2/6

Left: -41.509+/-177.218 χ^2/NDF: 19.6/15

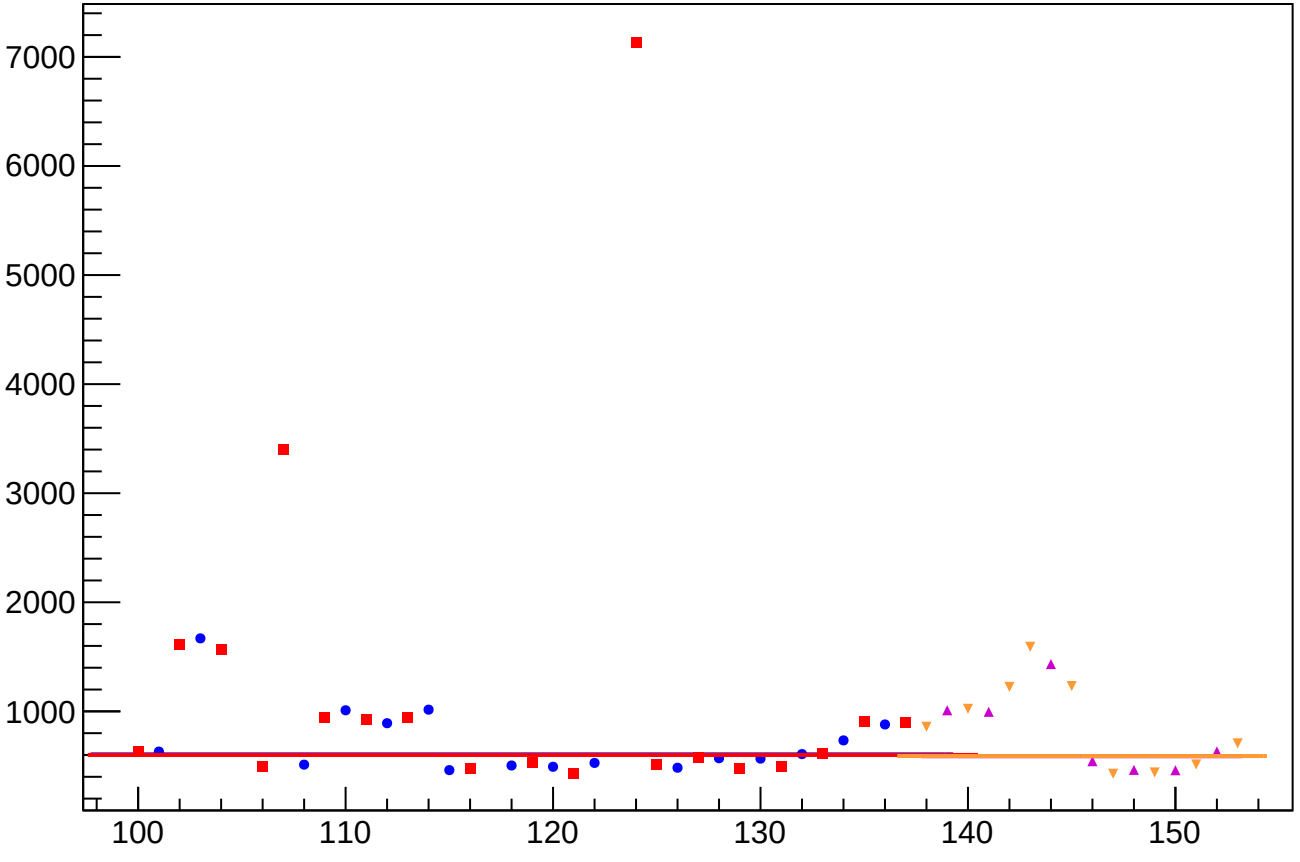
Right: -159.420+/-169.582 χ^2/NDF: 37.3/34

In: -47.989+/-173.838 χ^2/NDF:19.0/22

Out: -157.421+/-172.715 χ^2/NDF:37.9/27

All: -103.059+/-122.523 χ^2/NDF: 57.2/50

asym_at1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 590.177+/-0.174 χ^2/NDF:2234901.5/8

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

Left In: 588.670+/-0.181 χ^2/NDF:1480967.2/6

Left: 589.454+/-0.125 χ^2/NDF: 3715904.8/15

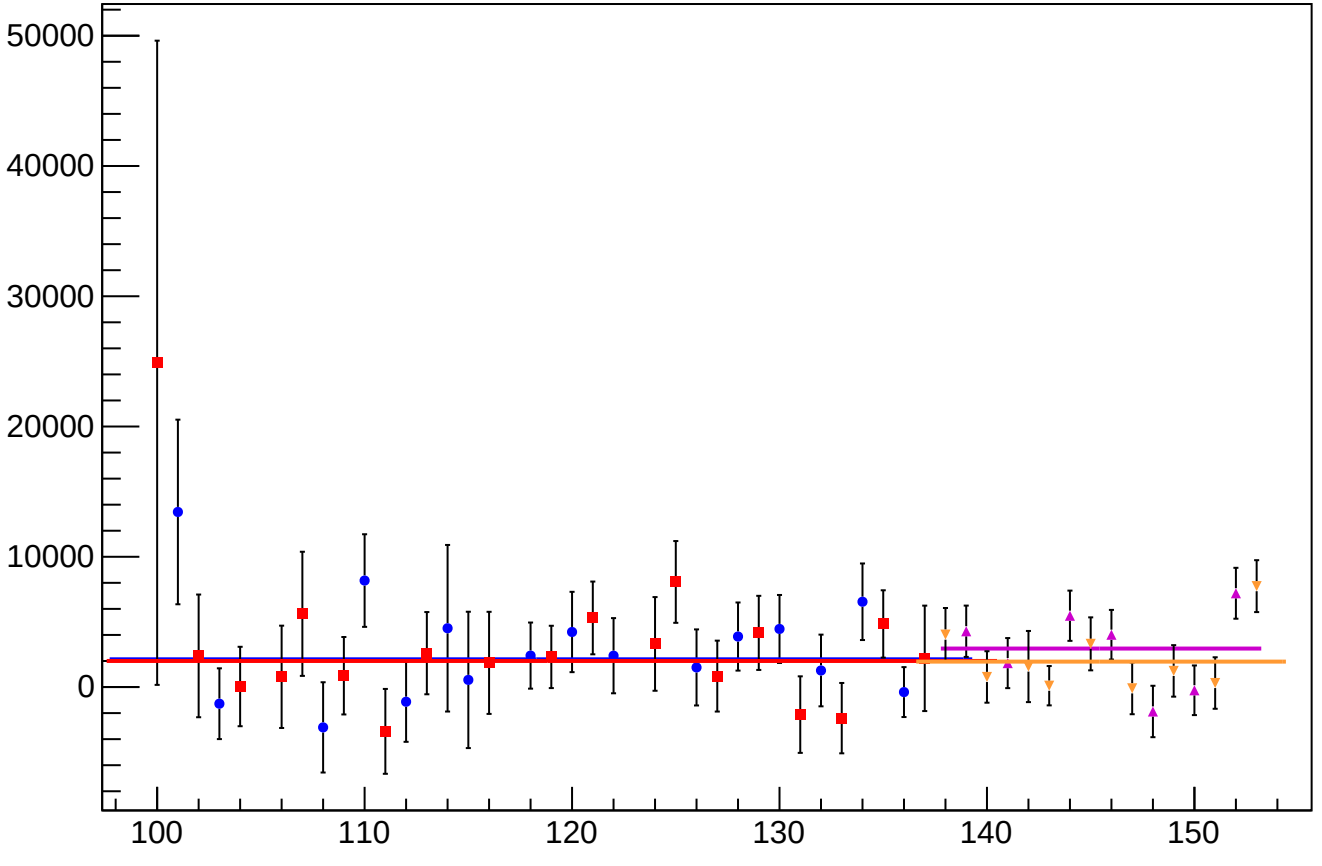
Right: 603.000+/-0.120 χ^2/NDF: 3491409.7/34

In: 597.694+/-0.123 χ^2/NDF:2648041.6/22

Out: 595.371+/-0.122 χ^2/NDF:4565192.9/27

All: 596.525+/-0.087 χ^2/NDF: 7213414.1/50

eigen_dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1952.466+/-655.563 χ^2/NDF:13.7/8

Right Out: 2002.218+/-737.195 χ^2/NDF: 16.7/18

Left In: 2954.465+/-731.783 χ^2/NDF:16.3/6

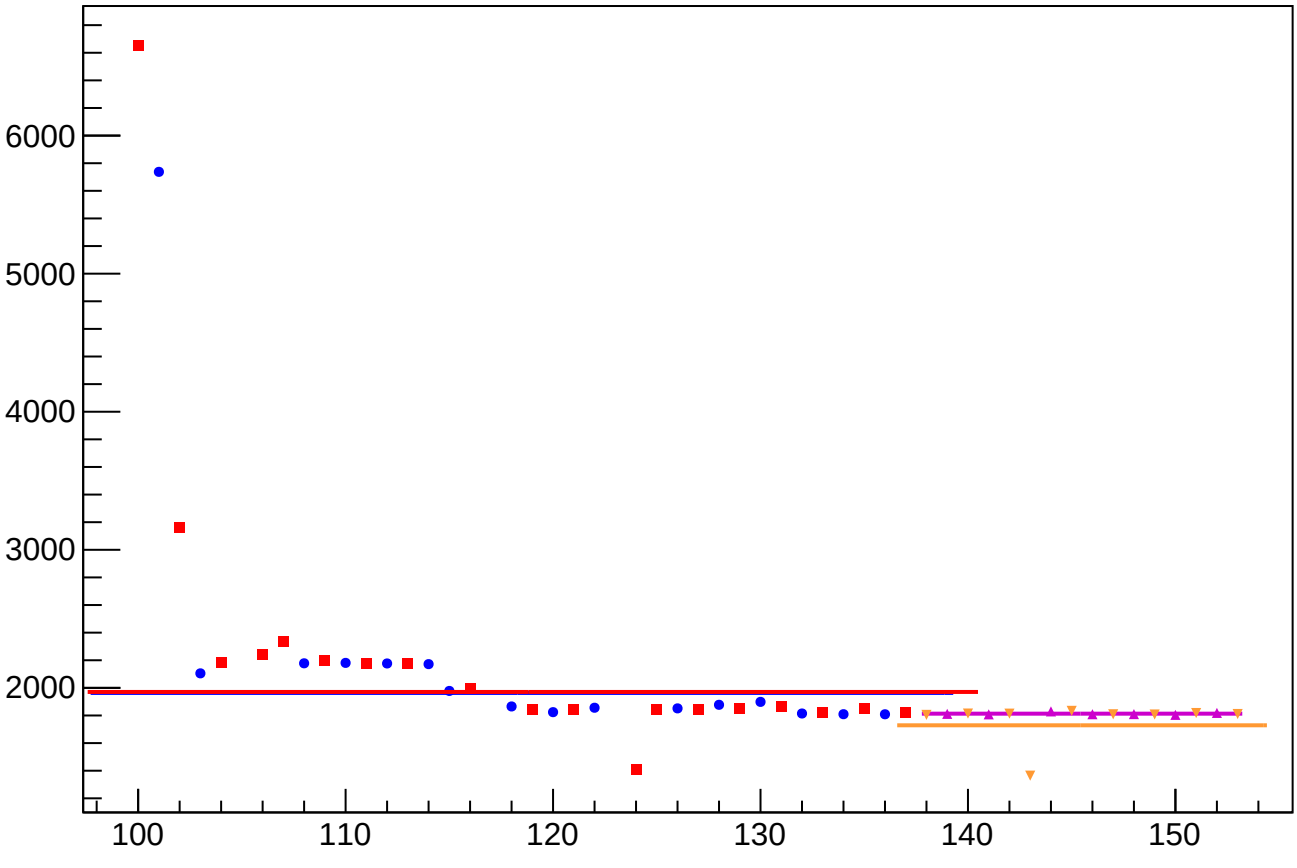
Left: 2398.582+/-488.284 χ^2/NDF: 31.1/15

Right: 2064.710+/-524.445 χ^2/NDF: 33.3/34

In: 2549.683+/-522.486 χ^2/NDF:33.5/22

Out: 1974.436+/-489.882 χ^2/NDF:30.4/27

All: 2243.552+/-357.370 χ^2/NDF: 64.6/50



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1728.917+/-0.464 χ^2/NDF:144043.7/8

Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1813.141+/-0.517 χ^2/NDF:230.9/6

Left: 1766.416+/-0.345 χ^2/NDF: 158972.5/15

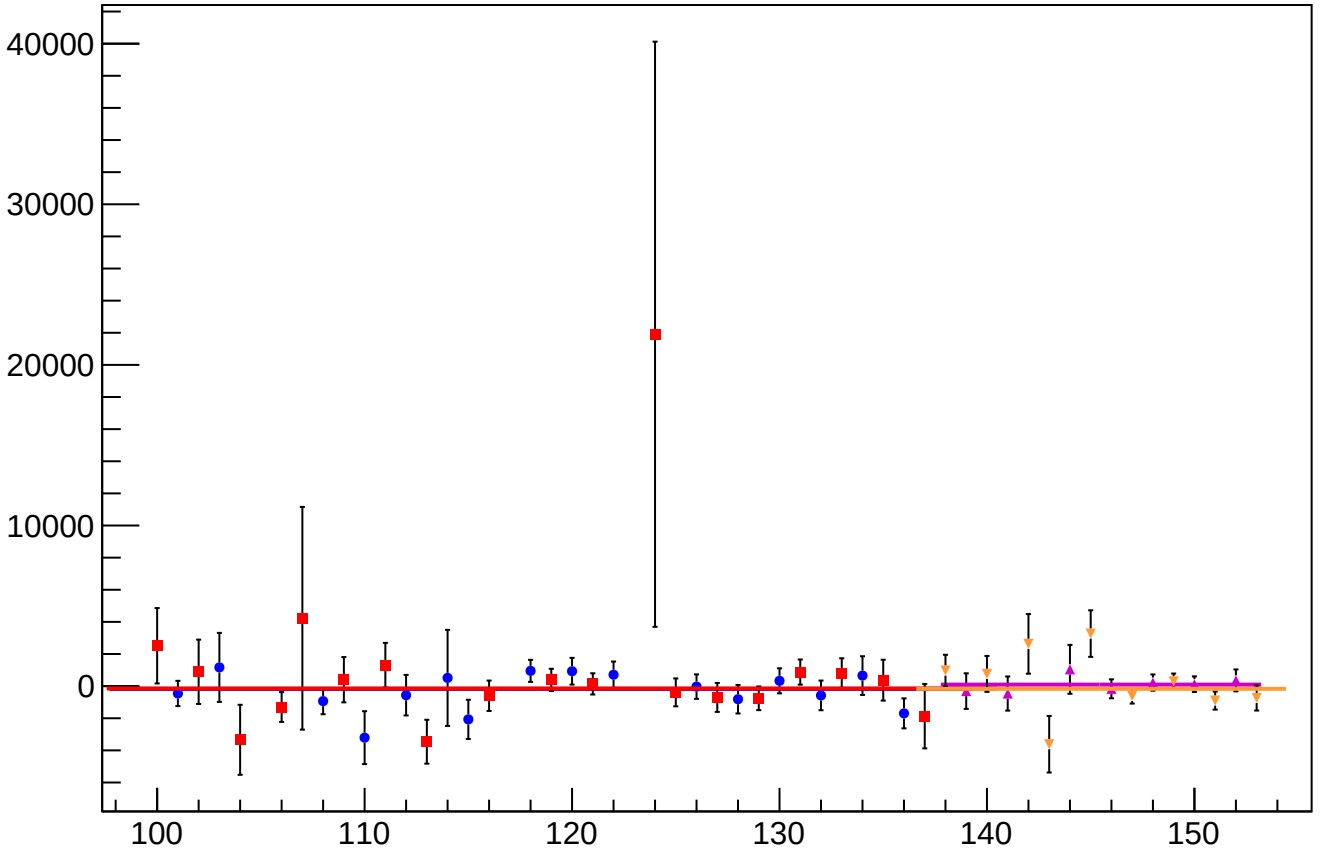
Right: 1966.980+/-0.371 χ^2/NDF: 985475.7/34

In: 1886.808+/-0.369 χ^2/NDF:681829.5/22

Out: 1835.579+/-0.346 χ^2/NDF:609071.8/27

All: 1859.546+/-0.253 χ^2/NDF: 1301133.2/50

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: -167.586+/-245.690 χ^2/NDF:17.8/8

Right Out: -147.489+/-242.847 χ^2/NDF: 20.1/18

Left In: 95.232+/-255.869 χ^2/NDF:1.2/6

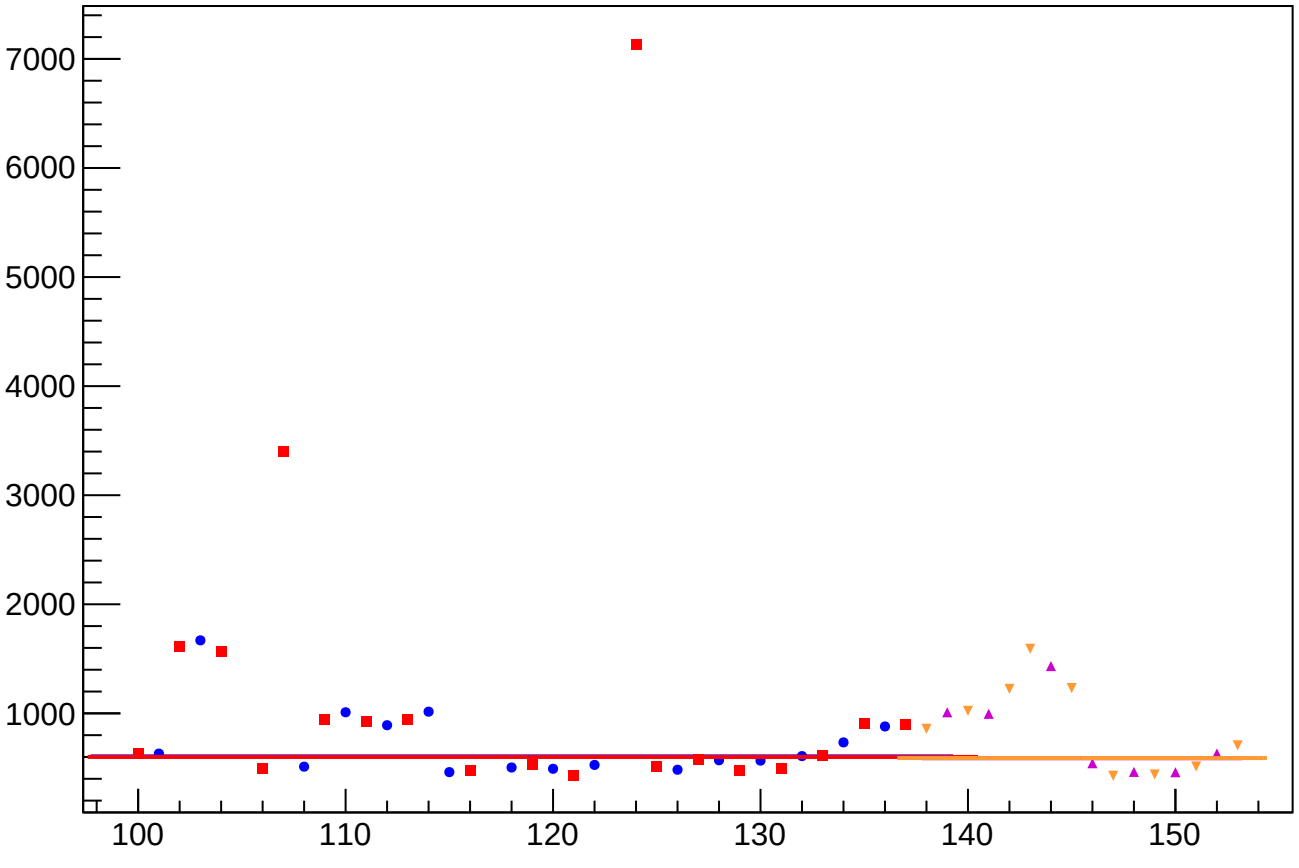
Left: -41.509+/-177.218 χ^2/NDF: 19.6/15

Right: -159.419+/-169.581 χ^2/NDF: 37.3/34

In: -47.989+/-173.838 χ^2/NDF:19.0/22

Out: -157.420+/-172.715 χ^2/NDF:37.9/27

All: -103.059+/-122.523 χ^2/NDF: 57.2/50



Right In: 605.429+/-0.168 χ^2/NDF: 1162462.4/15

Left Out: 590.178+/-0.174 χ^2/NDF:2234895.6/8

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

Left In: 588.671+/-0.181 χ^2/NDF:1480964.1/6

Left: 589.455+/-0.125 χ^2/NDF: 3715895.9/15

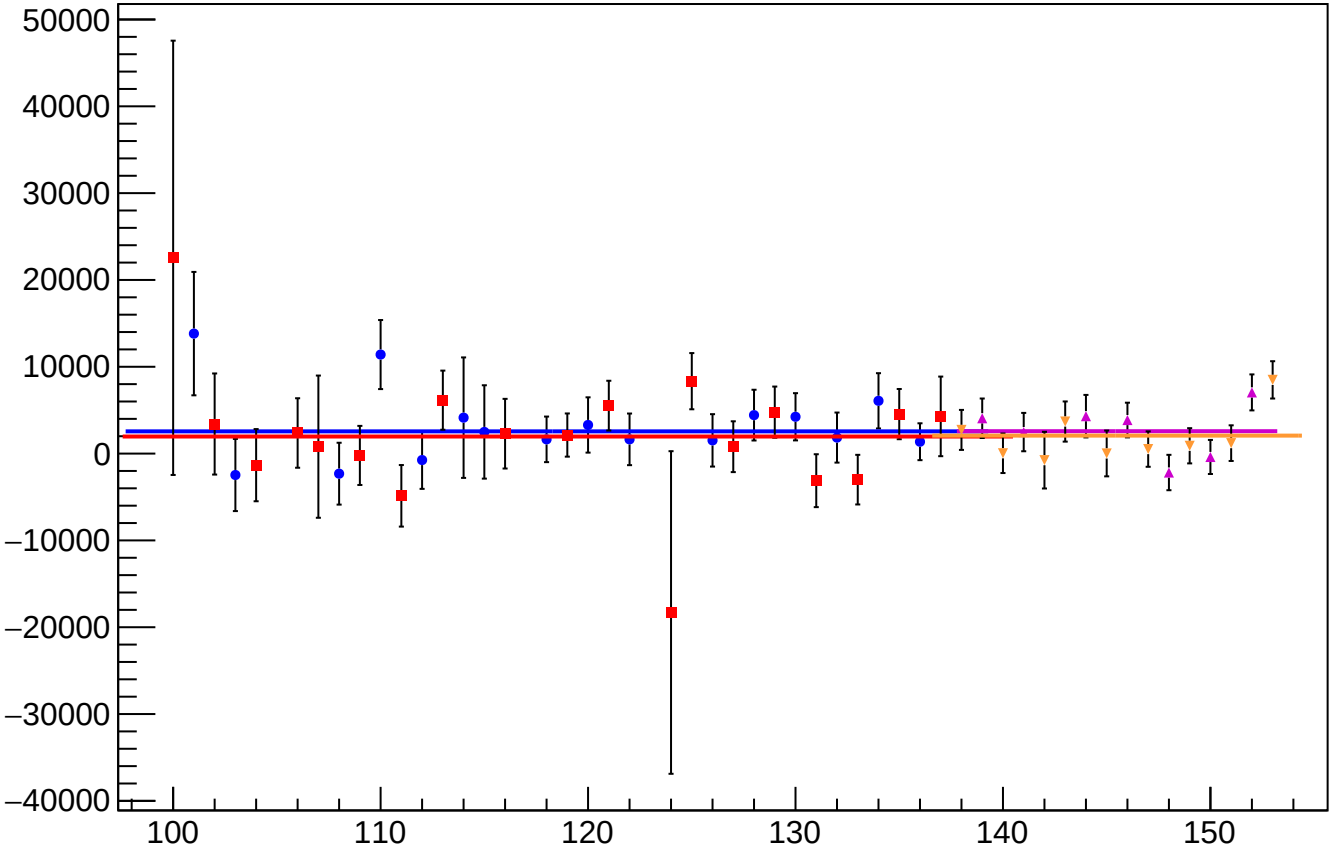
Right: 602.999+/-0.120 χ^2/NDF: 3491425.6/34

In: 597.694+/-0.123 χ^2/NDF:2648045.3/22

Out: 595.372+/-0.122 χ^2/NDF:4565194.5/27

All: 596.525+/-0.087 χ^2/NDF: 7213419.3/50

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 2070.406+/-757.385 χ^2/NDF:12.7/8

Right Out: 1966.731+/-818.839 χ^2/NDF: 21.6/18

Left In: 2579.433+/-803.537 χ^2/NDF:13.7/6

Left: 2309.882+/-551.146 χ^2/NDF: 26.7/15

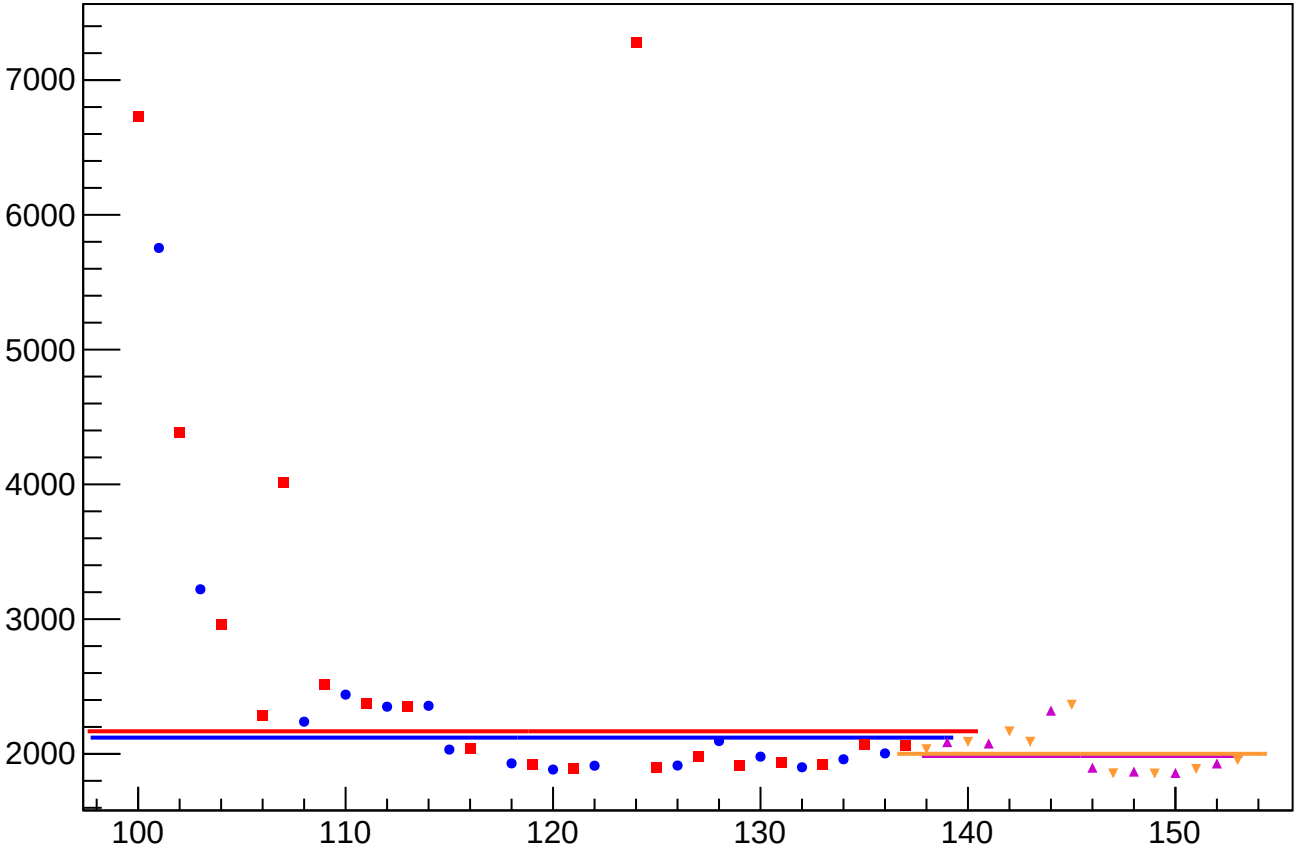
Right: 2267.201+/-575.733 χ^2/NDF: 36.5/34

In: 2570.272+/-570.338 χ^2/NDF:28.4/22

Out: 2022.605+/-556.010 χ^2/NDF:34.3/27

All: 2289.472+/-398.127 χ^2/NDF: 63.2/50

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 2000.621+/-0.536 χ^2/NDF:77221.0/8

Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 1984.480+/-0.568 χ^2/NDF:65182.3/6

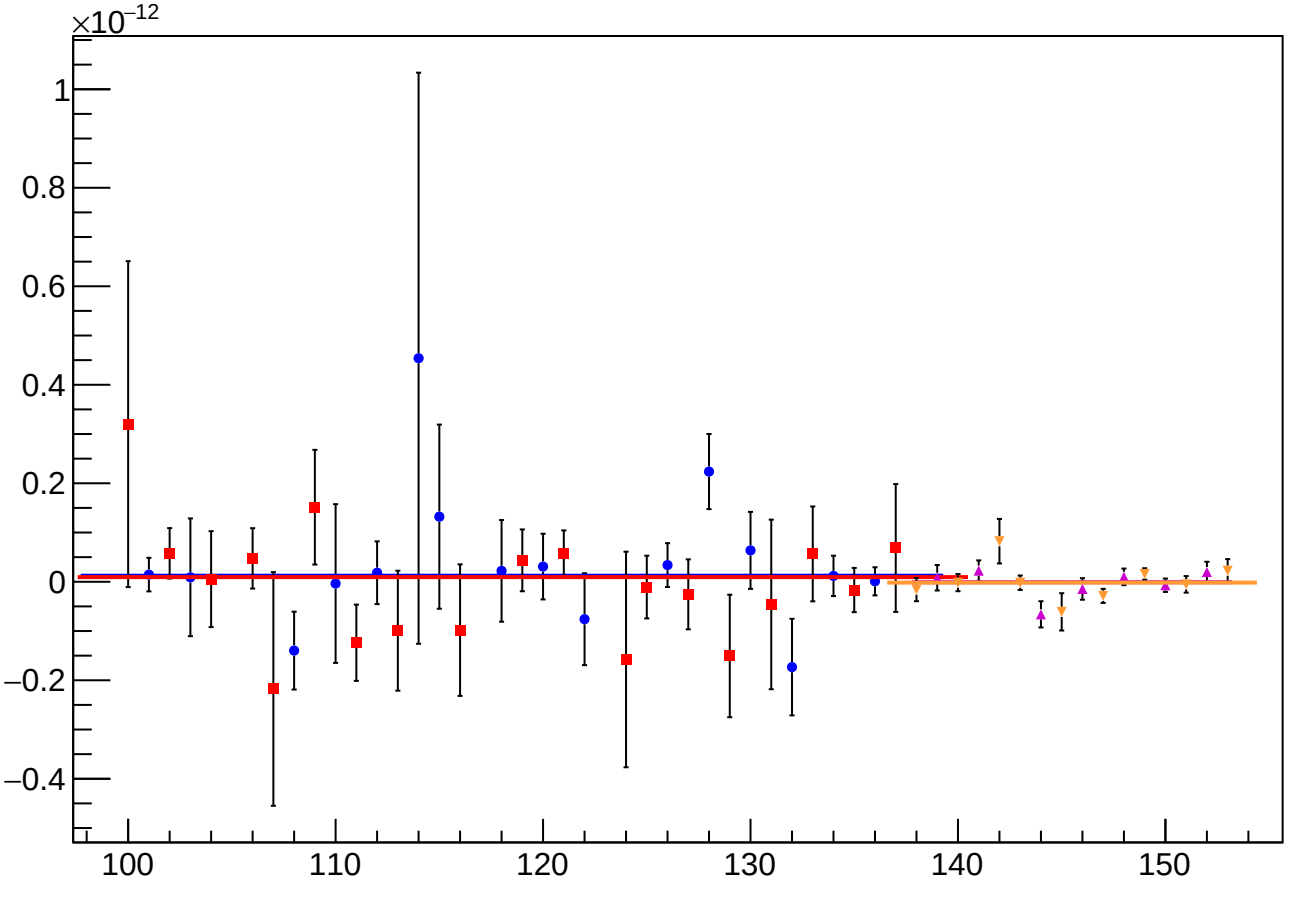
Left: 1993.028+/-0.390 χ^2/NDF: 142830.7/15

Right: 2144.044+/-0.407 χ^2/NDF: 1587235.2/34

In: 2052.112+/-0.403 χ^2/NDF:853704.8/22

Out: 2077.721+/-0.393 χ^2/NDF:946097.0/27

All: 2065.242+/-0.282 χ^2/NDF: 1801869.3/50



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.3/8

Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:9.4/6

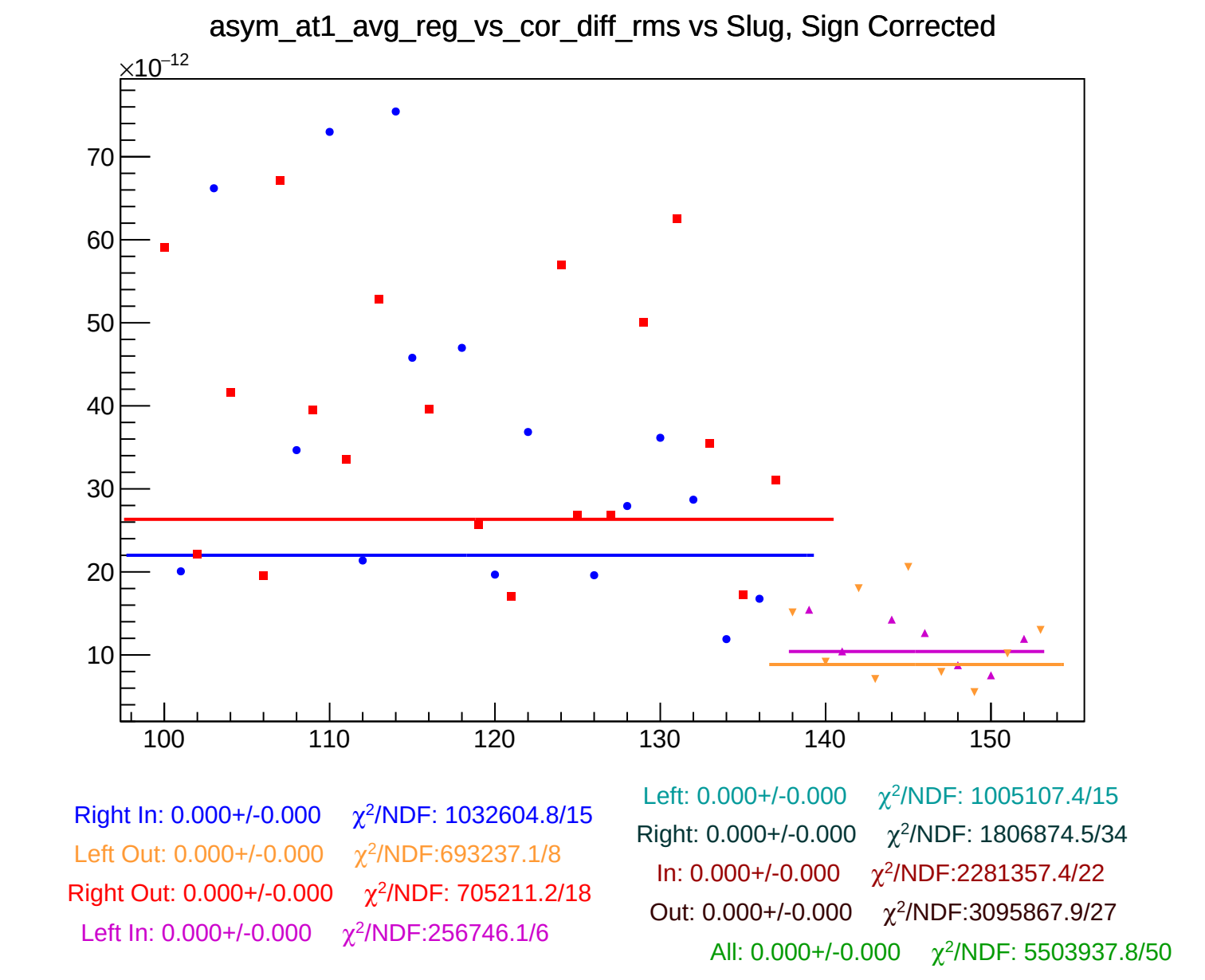
Left: -0.000+/-0.000 χ^2/NDF: 22.7/15

Right: 0.000+/-0.000 χ^2/NDF: 31.6/34

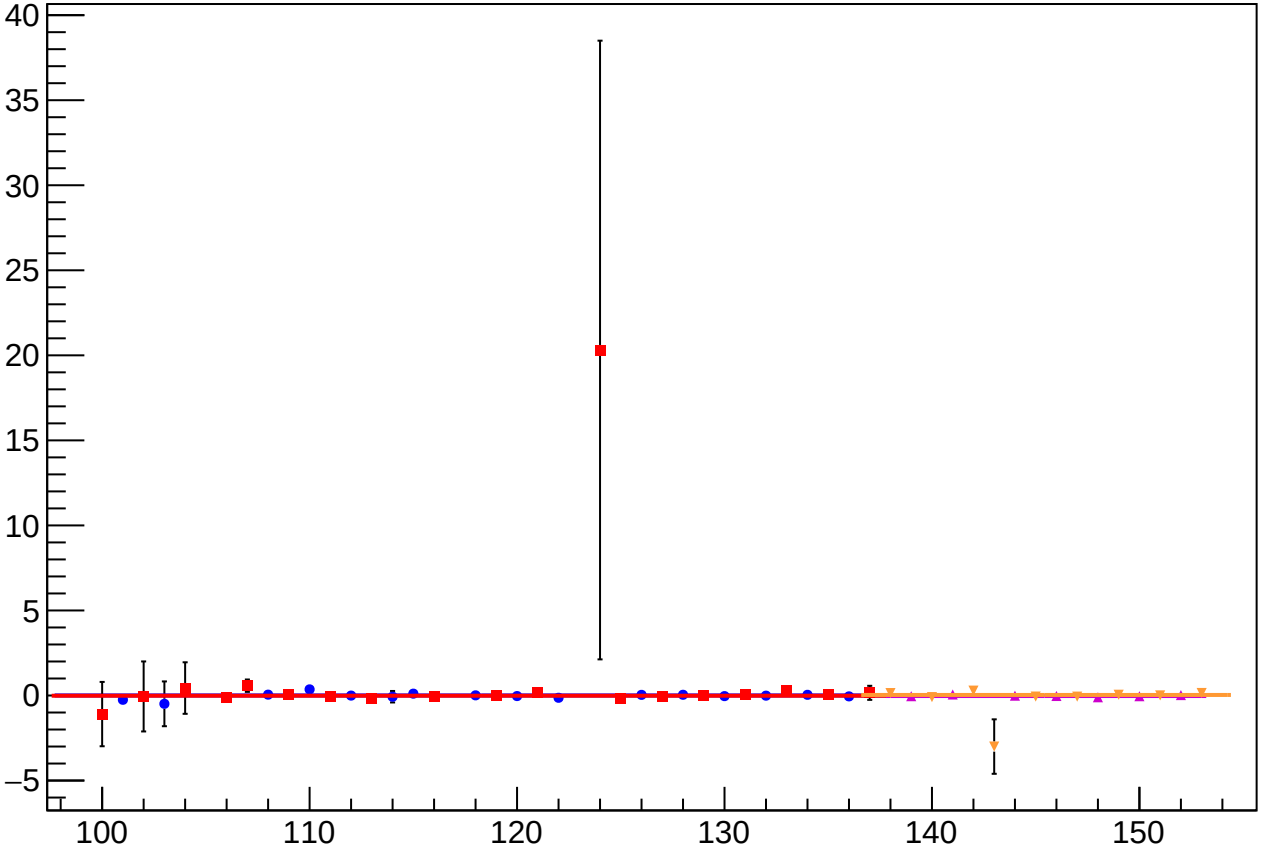
In: 0.000+/-0.000 χ^2/NDF:27.9/22

Out: -0.000+/-0.000 χ^2/NDF:27.4/27

All: 0.000+/-0.000 χ^2/NDF: 55.3/50


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
Right In: 0.000+/-0.000 χ²/NDF: 1032604.8/15
Left Out: 0.000+/-0.000 χ²/NDF:693237.1/8
Right Out: 0.000+/-0.000 χ²/NDF: 705211.2/18
Left In: 0.000+/-0.000 χ²/NDF:256746.1/6
Left: 0.000+/-0.000 χ²/NDF: 1005107.4/15
Right: 0.000+/-0.000 χ²/NDF: 1806874.5/34
In: 0.000+/-0.000 χ²/NDF:2281357.4/22
Out: 0.000+/-0.000 χ²/NDF:3095867.9/27
All: 0.000+/-0.000 χ²/NDF: 5503937.8/50

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: 0.032+/-0.022 χ^2/NDF:20.5/8

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.031+/-0.022 χ^2/NDF:5.3/6

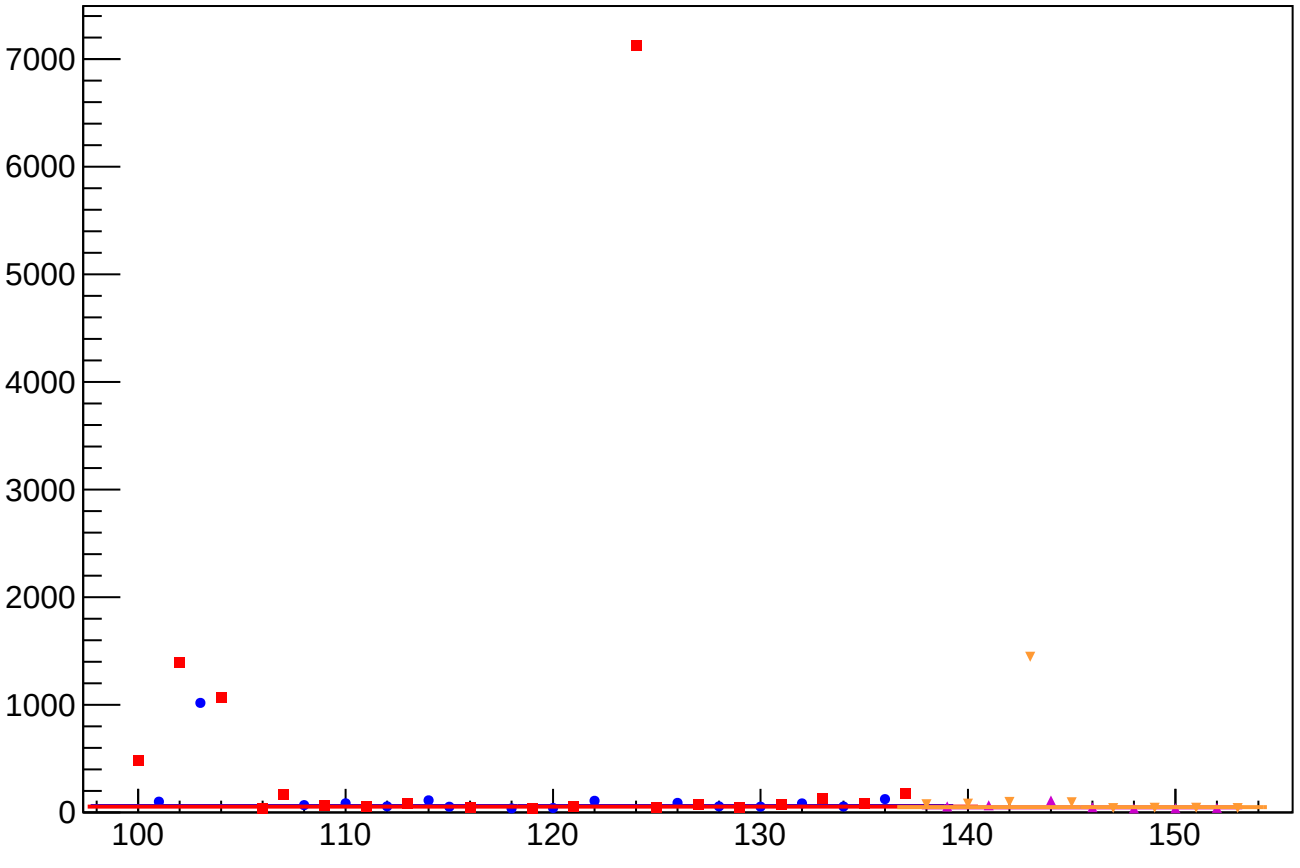
Left: -0.001+/-0.016 χ^2/NDF: 30.0/15

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.017+/-0.017 χ^2/NDF:17.8/22

Out: 0.013+/-0.017 χ^2/NDF:39.8/27

All: -0.002+/-0.012 χ^2/NDF: 59.2/50



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 49.430+/-0.016 χ^2/NDF:2614500.8/8

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 47.371+/-0.015 χ^2/NDF:885179.9/6

Left: 48.362+/-0.011 χ^2/NDF: 3508486.9/15

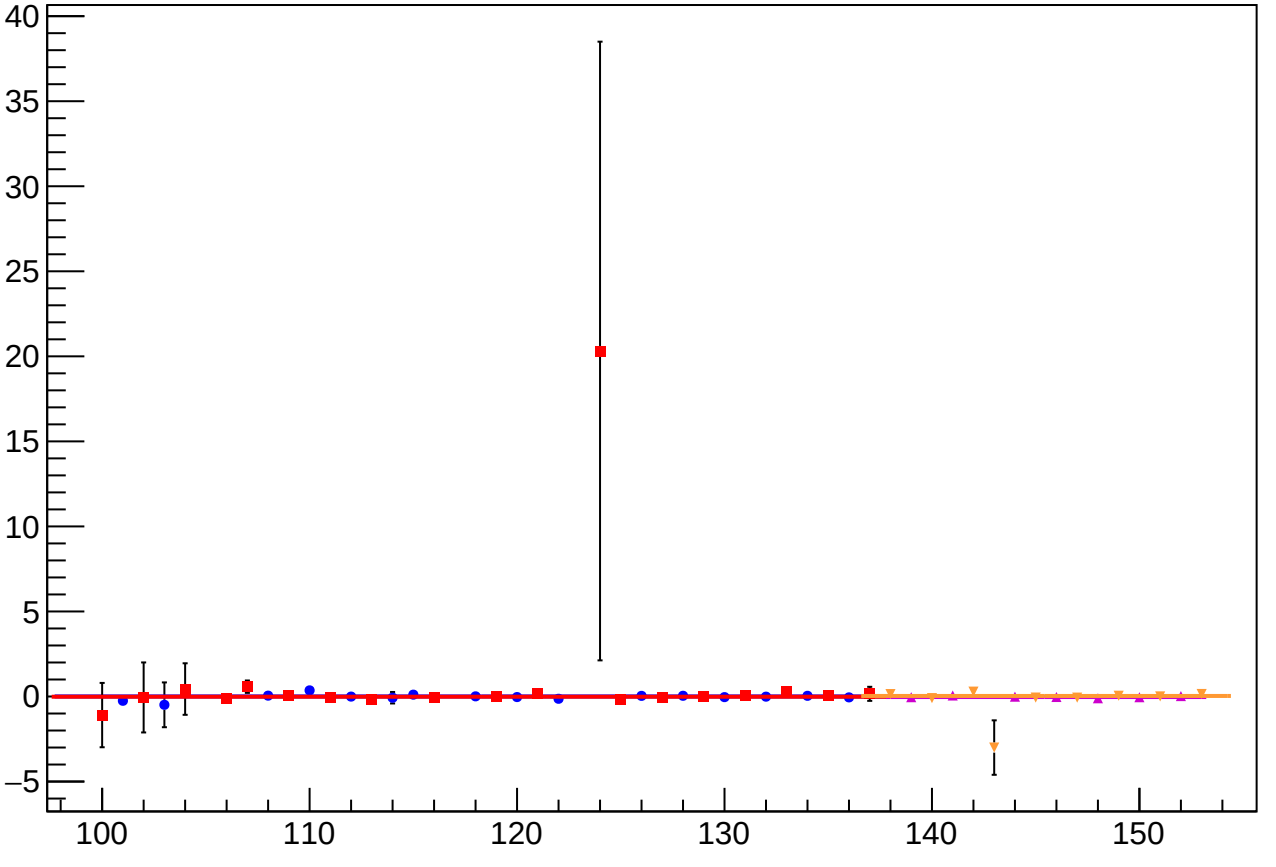
Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 52.277+/-0.012 χ^2/NDF:3688237.3/22

Out: 51.495+/-0.012 χ^2/NDF:6175916.1/27

All: 51.889+/-0.008 χ^2/NDF: 9866312.3/50

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: 0.032+/-0.022 χ^2/NDF:20.5/8

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.031+/-0.022 χ^2/NDF:5.3/6

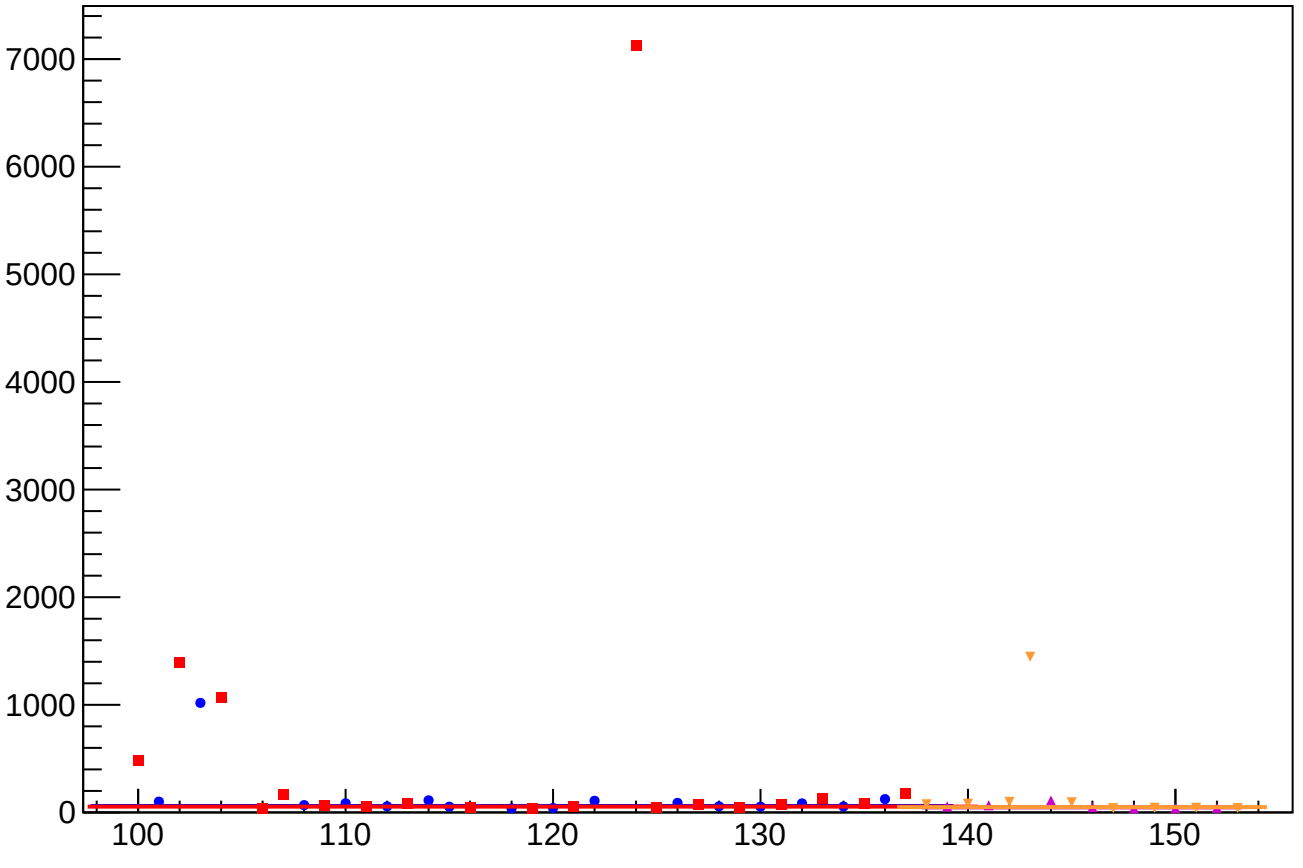
Left: -0.001+/-0.016 χ^2/NDF: 30.0/15

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.017+/-0.017 χ^2/NDF:17.8/22

Out: 0.013+/-0.017 χ^2/NDF:39.8/27

All: -0.002+/-0.012 χ^2/NDF: 59.2/50



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 49.430+/-0.016 χ^2/NDF:2614500.8/8

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 47.371+/-0.015 χ^2/NDF:885179.9/6

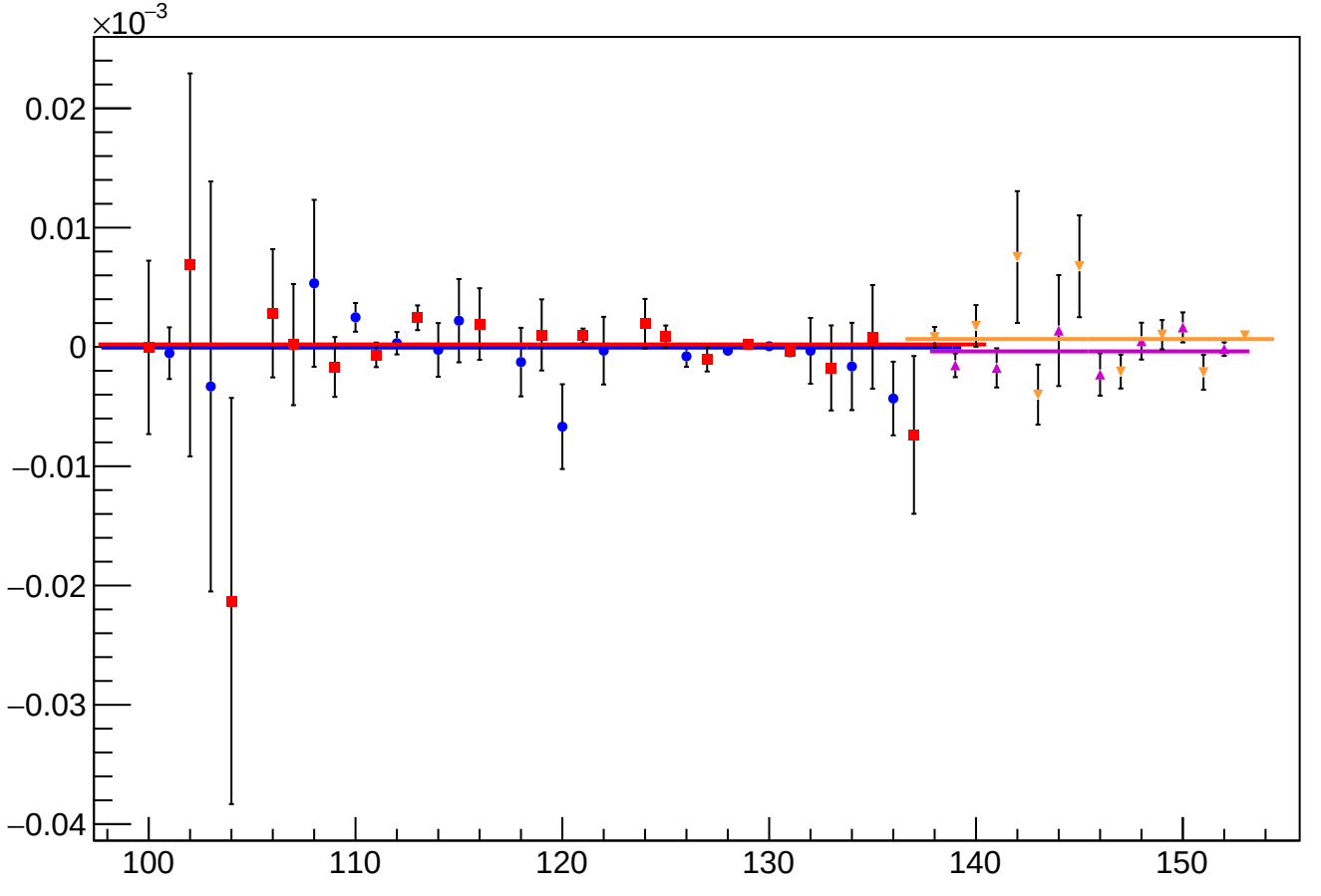
Left: 48.362+/-0.011 χ^2/NDF: 3508486.9/15

Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 52.277+/-0.012 χ^2/NDF:3688237.3/22

Out: 51.495+/-0.012 χ^2/NDF:6175916.1/27

All: 51.889+/-0.008 χ^2/NDF: 9866312.3/50



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.4/8

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:6.4/6

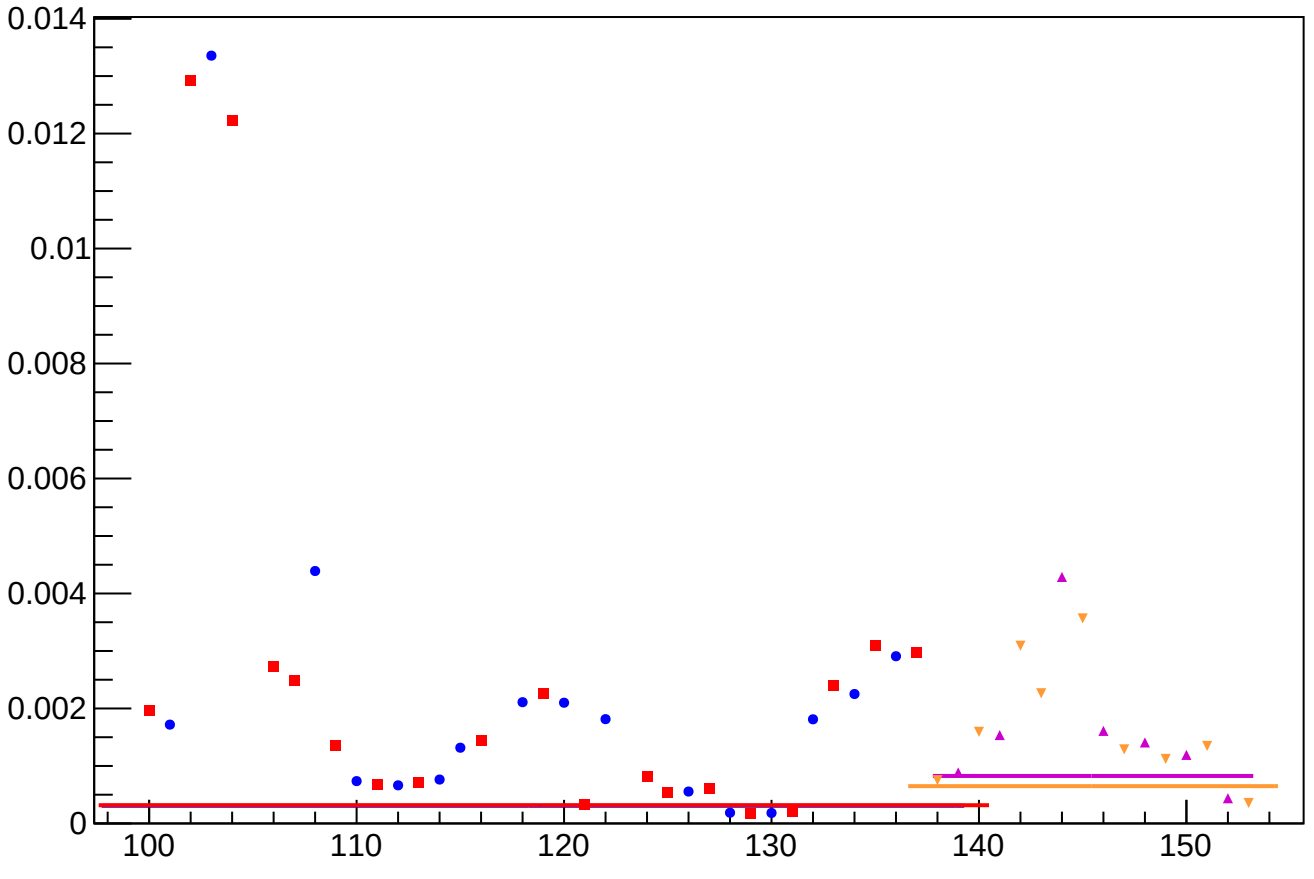
Left: 0.000+/-0.000 χ^2/NDF: 25.8/15

Right: 0.000+/-0.000 χ^2/NDF: 29.4/34

In: -0.000+/-0.000 χ^2/NDF:19.7/22

Out: 0.000+/-0.000 χ^2/NDF:32.6/27

All: 0.000+/-0.000 χ^2/NDF: 55.6/50



Right In: 0.000+/-0.000 χ^2/NDF: 8756212.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:5040714.9/8

Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:3273348.0/6

Left: 0.001+/-0.000 χ^2/NDF: 8548479.2/15

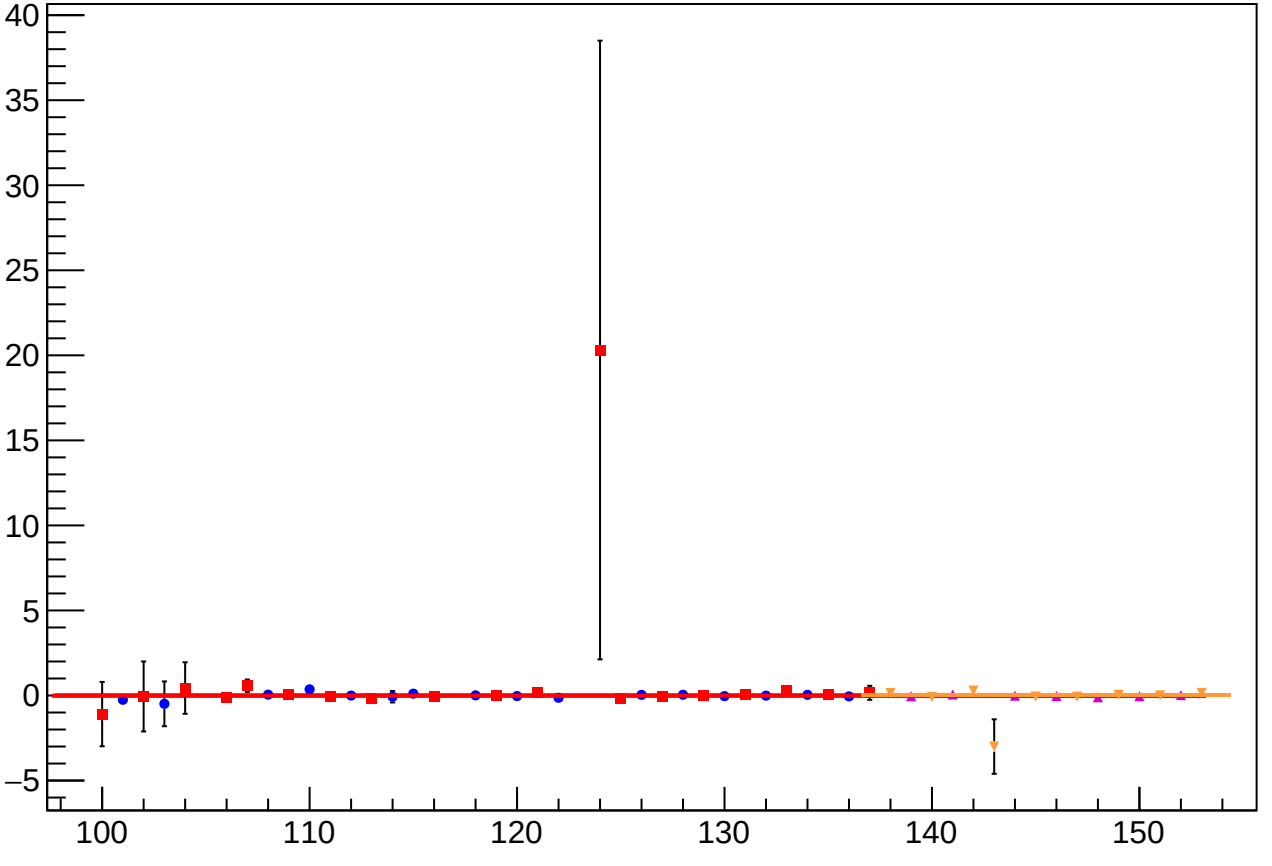
Right: 0.000+/-0.000 χ^2/NDF: 16773891.5/34

In: 0.000+/-0.000 χ^2/NDF:14626900.8/22

Out: 0.000+/-0.000 χ^2/NDF:14666516.5/27

All: 0.000+/-0.000 χ^2/NDF: 29294361.6/50

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: 0.032+/-0.022 χ^2/NDF:20.5/8

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.031+/-0.022 χ^2/NDF:5.3/6

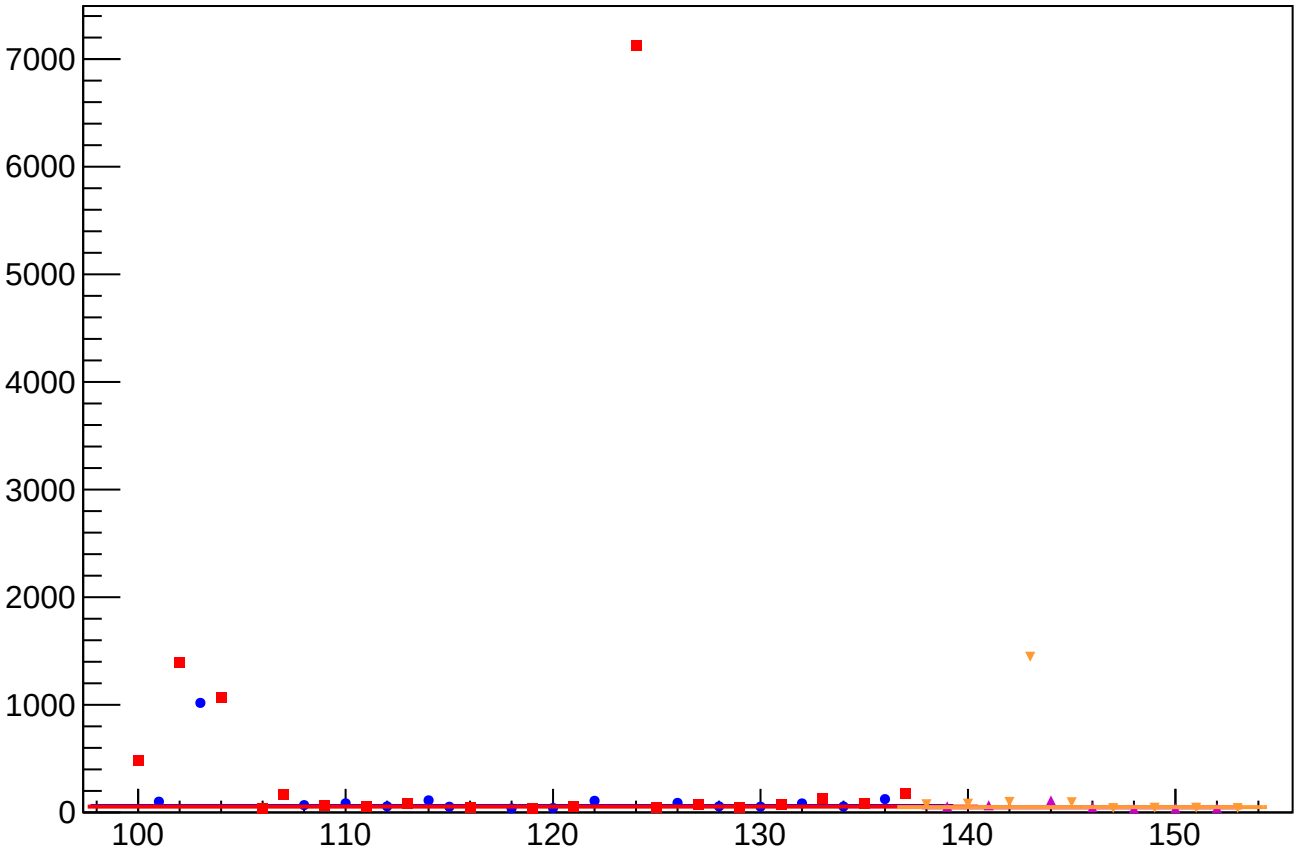
Left: -0.001+/-0.016 χ^2/NDF: 30.0/15

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.017+/-0.017 χ^2/NDF:17.8/22

Out: 0.013+/-0.017 χ^2/NDF:39.8/27

All: -0.002+/-0.012 χ^2/NDF: 59.2/50



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 49.430+/-0.016 χ^2/NDF:2614483.6/8

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 47.371+/-0.015 χ^2/NDF:885180.1/6

Left: 48.362+/-0.011 χ^2/NDF: 3508471.8/15

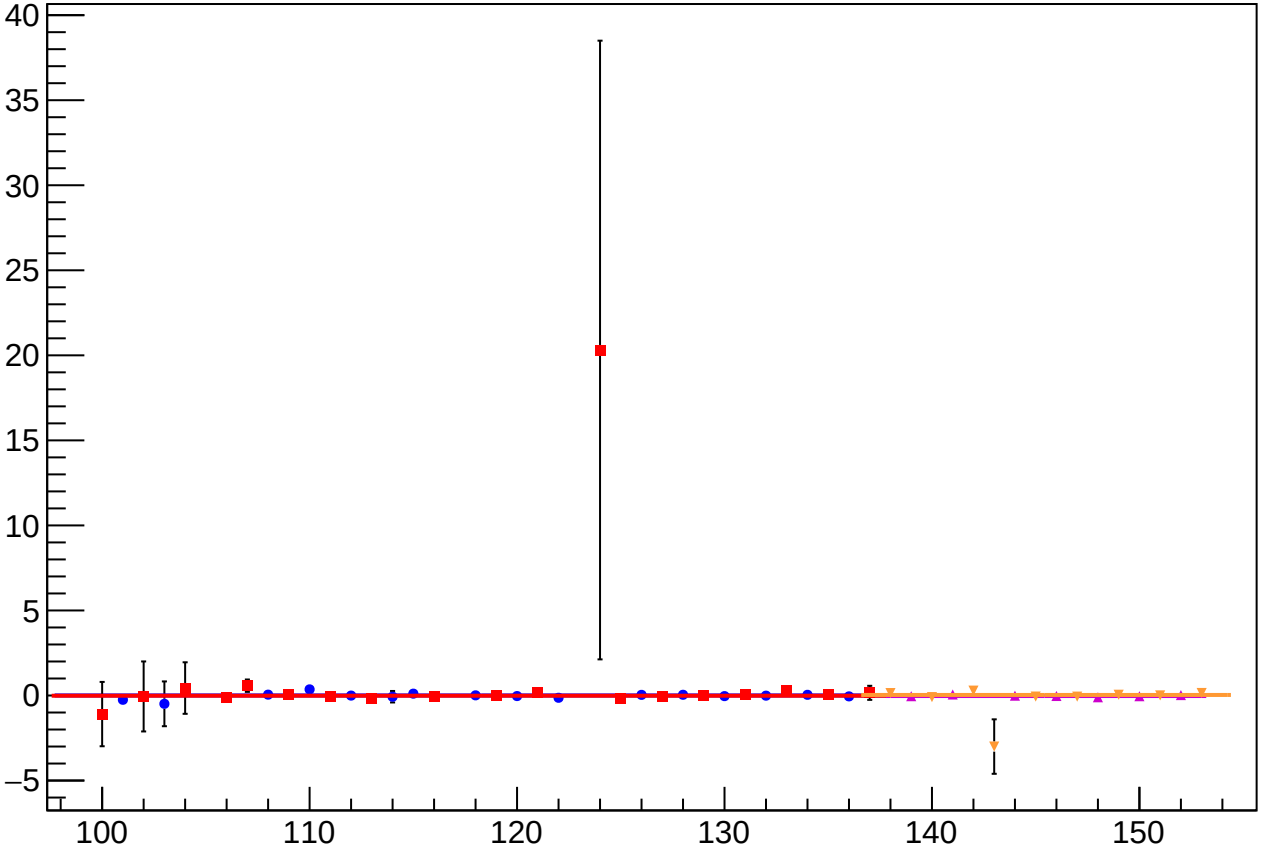
Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 52.277+/-0.012 χ^2/NDF:3688243.5/22

Out: 51.495+/-0.012 χ^2/NDF:6175937.9/27

All: 51.889+/-0.008 χ^2/NDF: 9866341.6/50

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: 0.032+/-0.022 χ^2/NDF:20.5/8

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.031+/-0.022 χ^2/NDF:5.3/6

Left: -0.001+/-0.016 χ^2/NDF: 30.0/15

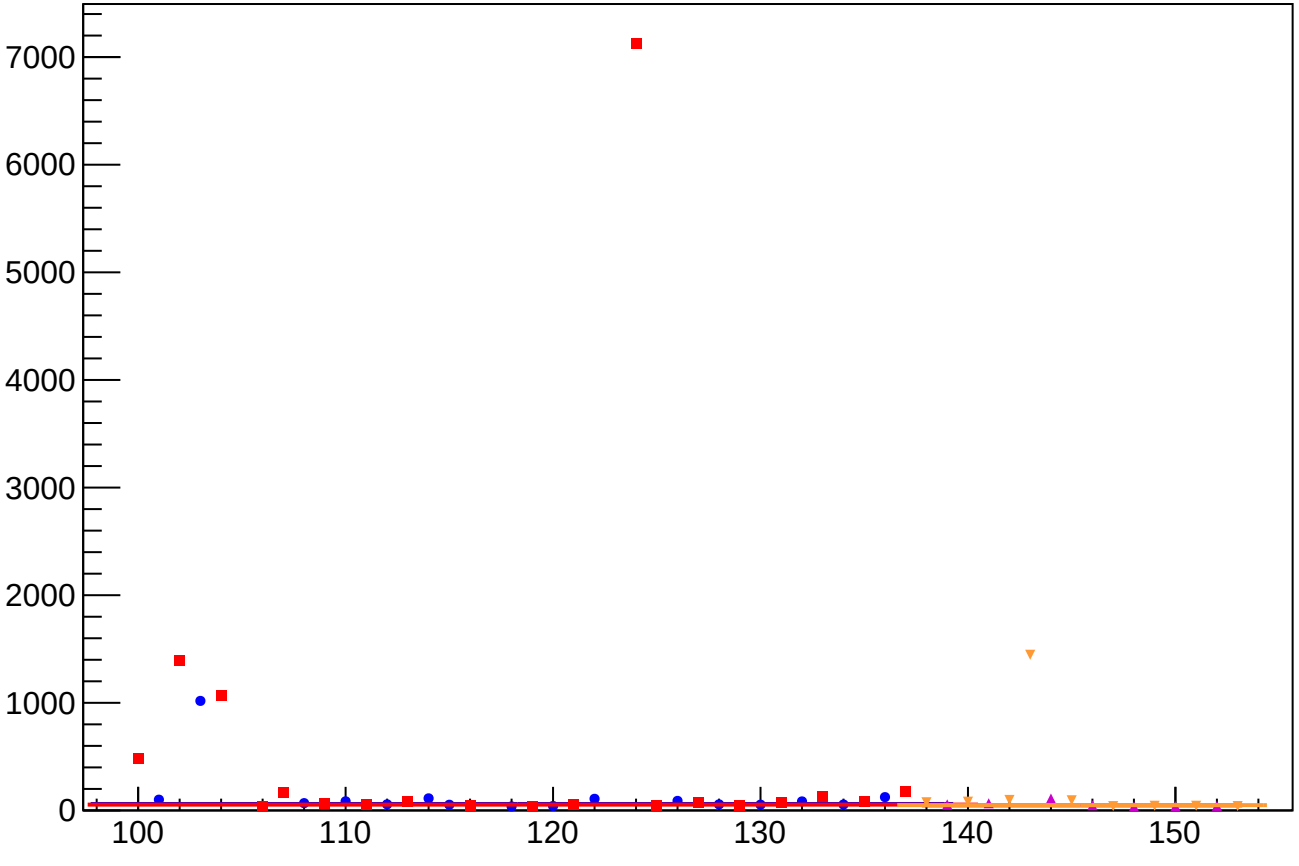
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.017+/-0.017 χ^2/NDF:17.8/22

Out: 0.013+/-0.017 χ^2/NDF:39.8/27

All: -0.002+/-0.012 χ^2/NDF: 59.2/50

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: 49.430+/-0.016 χ^2/NDF:2614483.6/8

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 47.371+/-0.015 χ^2/NDF:885180.1/6

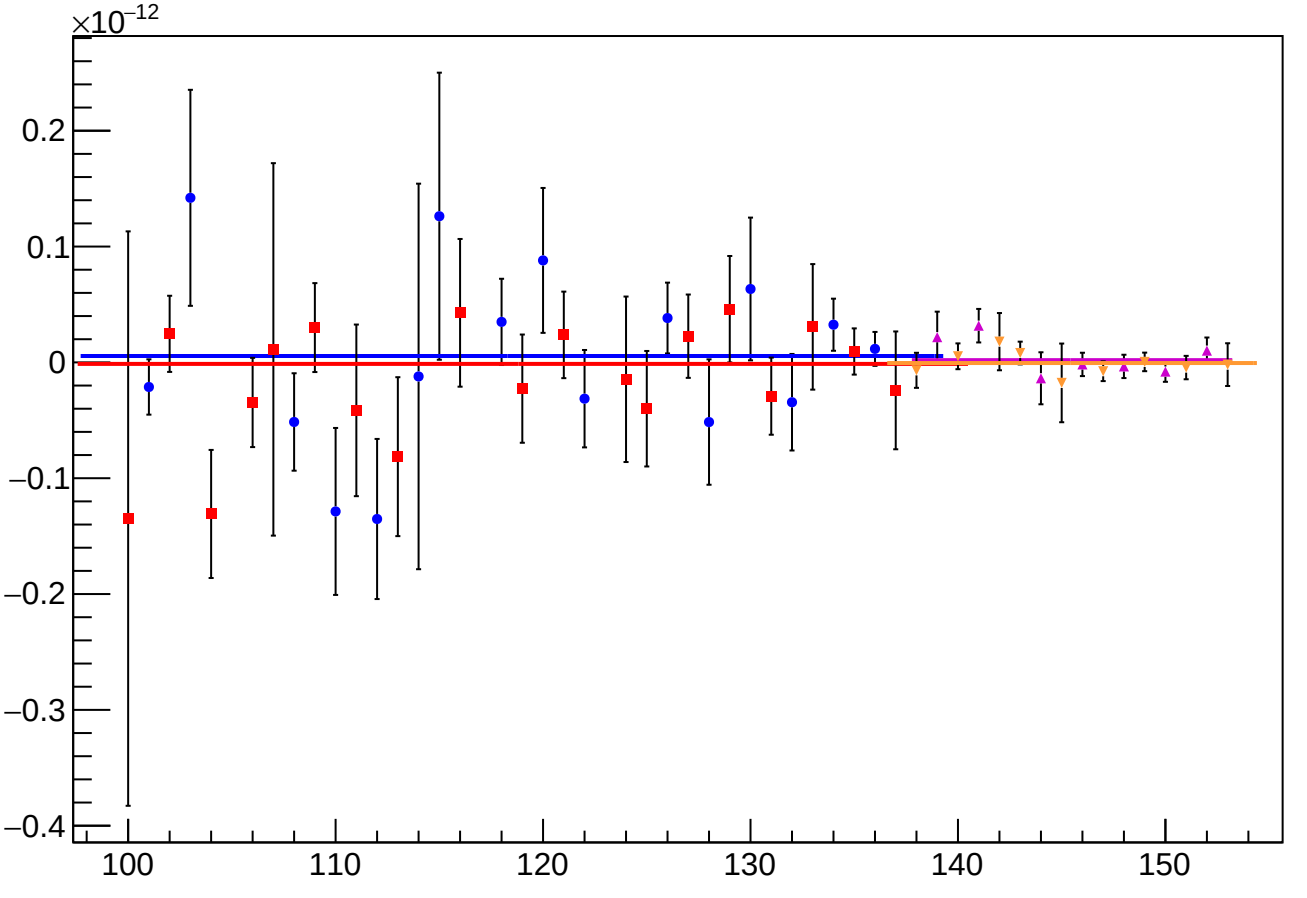
Left: 48.362+/-0.011 χ^2/NDF: 3508471.8/15

Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 52.277+/-0.012 χ^2/NDF:3688243.5/22

Out: 51.495+/-0.012 χ^2/NDF:6175937.9/27

All: 51.889+/-0.008 χ^2/NDF: 9866341.6/50



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.9/8

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:7.7/6

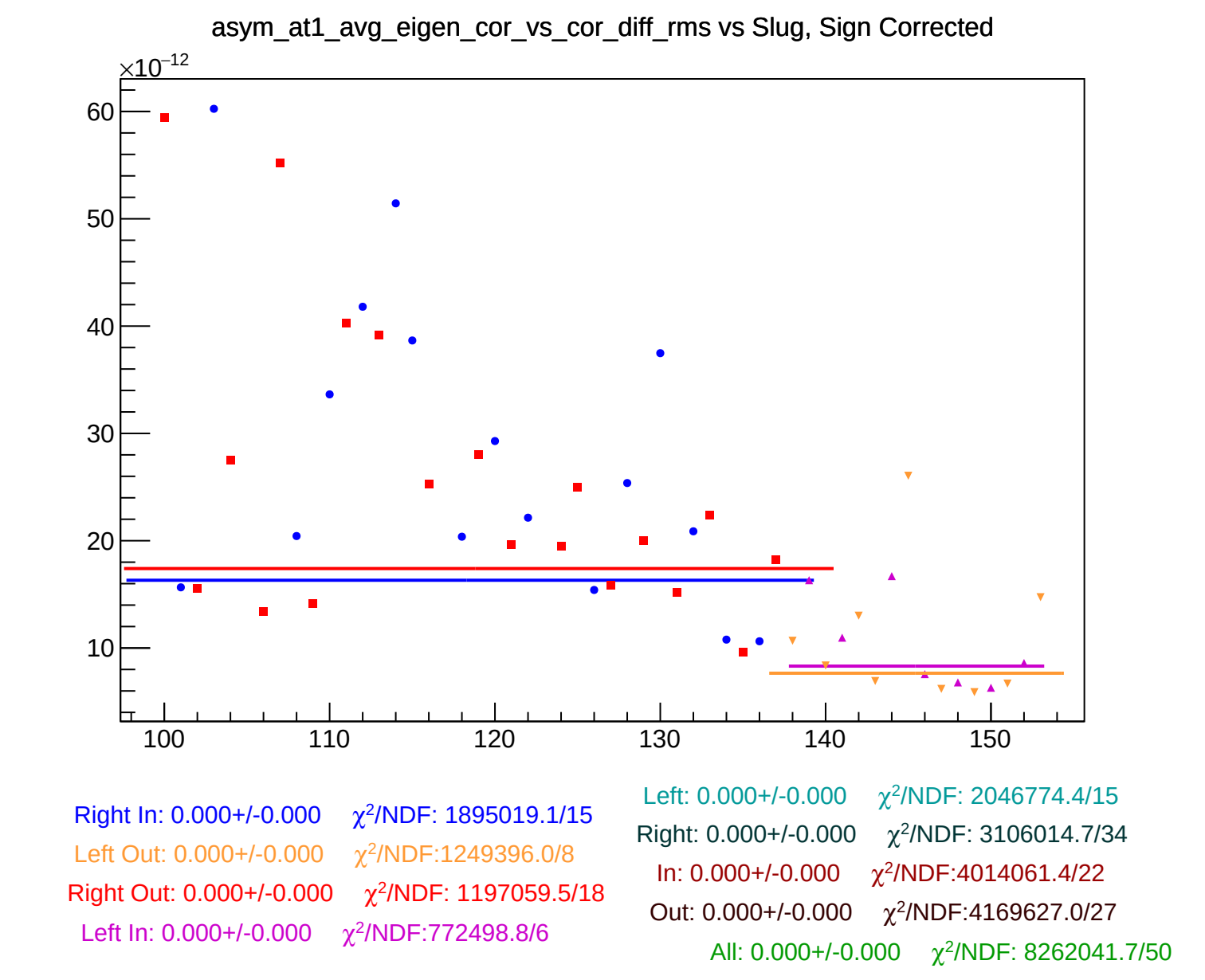
Left: 0.000+/-0.000 χ^2/NDF: 10.8/15

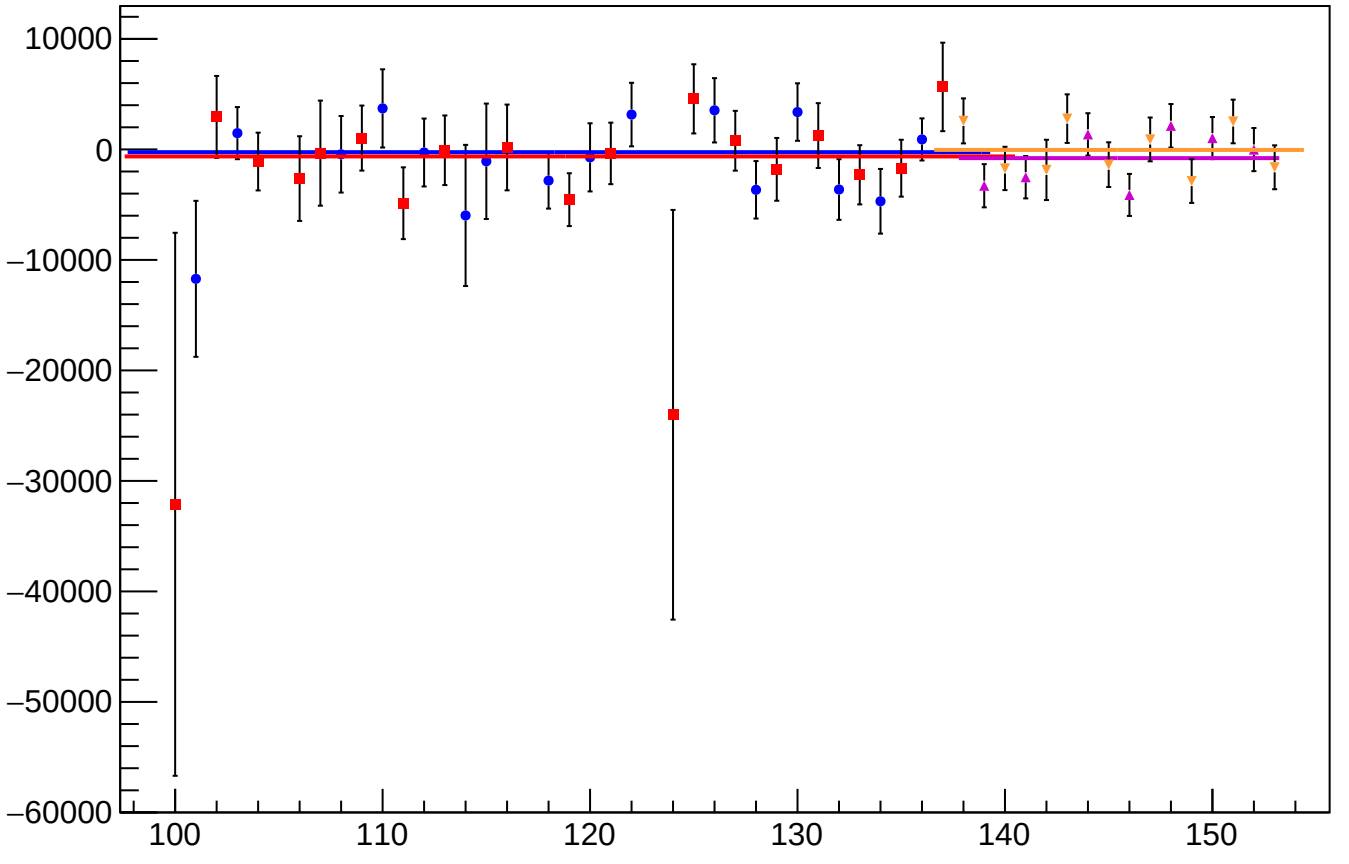
Right: 0.000+/-0.000 χ^2/NDF: 37.2/34

In: 0.000+/-0.000 χ^2/NDF:30.5/22

Out: -0.000+/-0.000 χ^2/NDF:17.2/27

All: 0.000+/-0.000 χ^2/NDF: 48.1/50


asym_at1_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1895019.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1249396.0/8
Right Out: 0.000+/-0.000 χ²/NDF: 1197059.5/18
Left In: 0.000+/-0.000 χ²/NDF:772498.8/6
Left: 0.000+/-0.000 χ²/NDF: 2046774.4/15
Right: 0.000+/-0.000 χ²/NDF: 3106014.7/34
In: 0.000+/-0.000 χ²/NDF:4014061.4/22
Out: 0.000+/-0.000 χ²/NDF:4169627.0/27
All: 0.000+/-0.000 χ²/NDF: 8262041.7/50



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: -47.635+/-688.931 χ^2/NDF:9.5/8

Right Out: -636.082+/-735.477 χ^2/NDF: 15.9/18

Left In: -789.877+/-729.716 χ^2/NDF:10.0/6

Left: -397.435+/-500.946 χ^2/NDF: 20.1/15

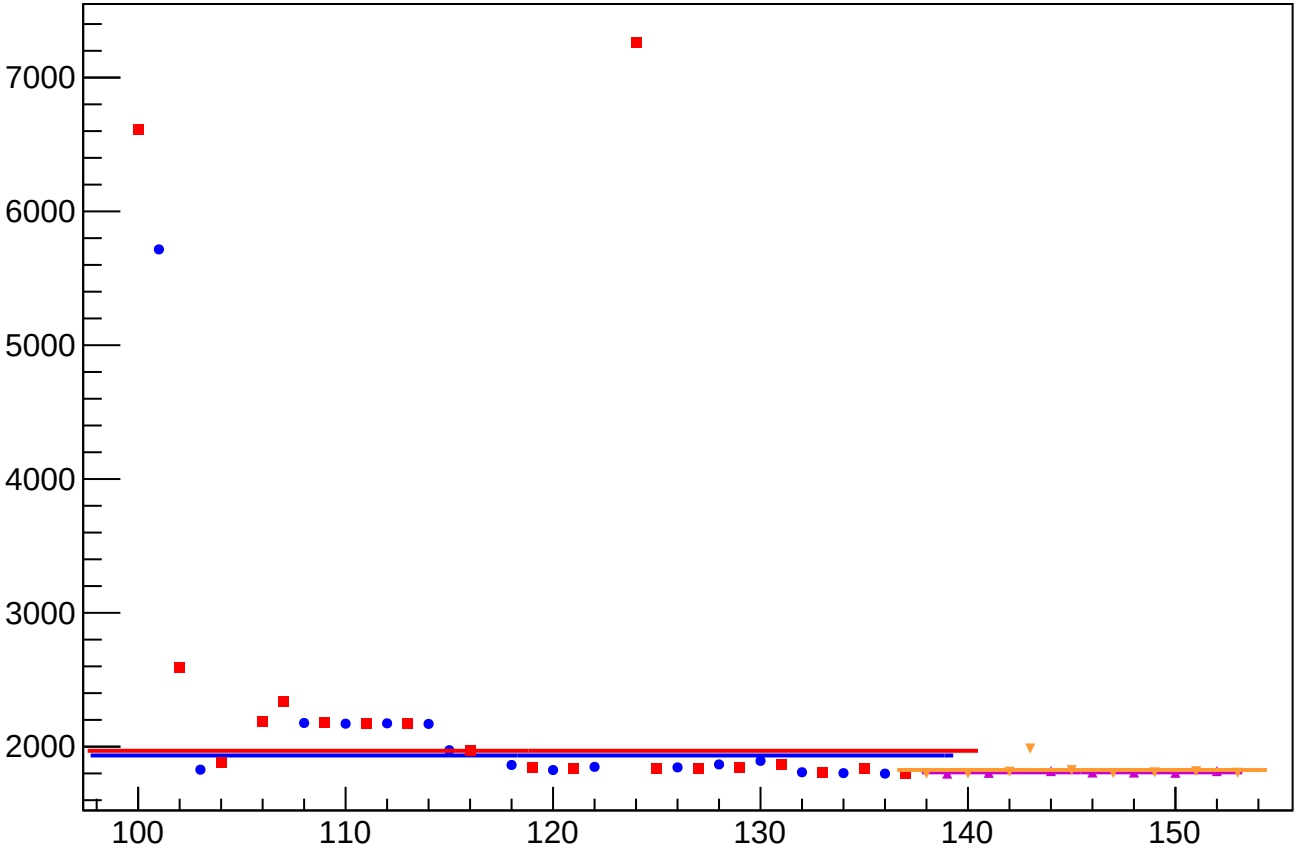
Right: -443.594+/-519.932 χ^2/NDF: 33.3/34

In: -522.571+/-517.884 χ^2/NDF:27.6/22

Out: -322.650+/-502.798 χ^2/NDF:25.8/27

All: -419.656+/-360.747 χ^2/NDF: 53.4/50

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1825.614+/-0.487 χ^2/NDF:12041.7/8

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

Left In: 1808.112+/-0.516 χ^2/NDF:158.5/6

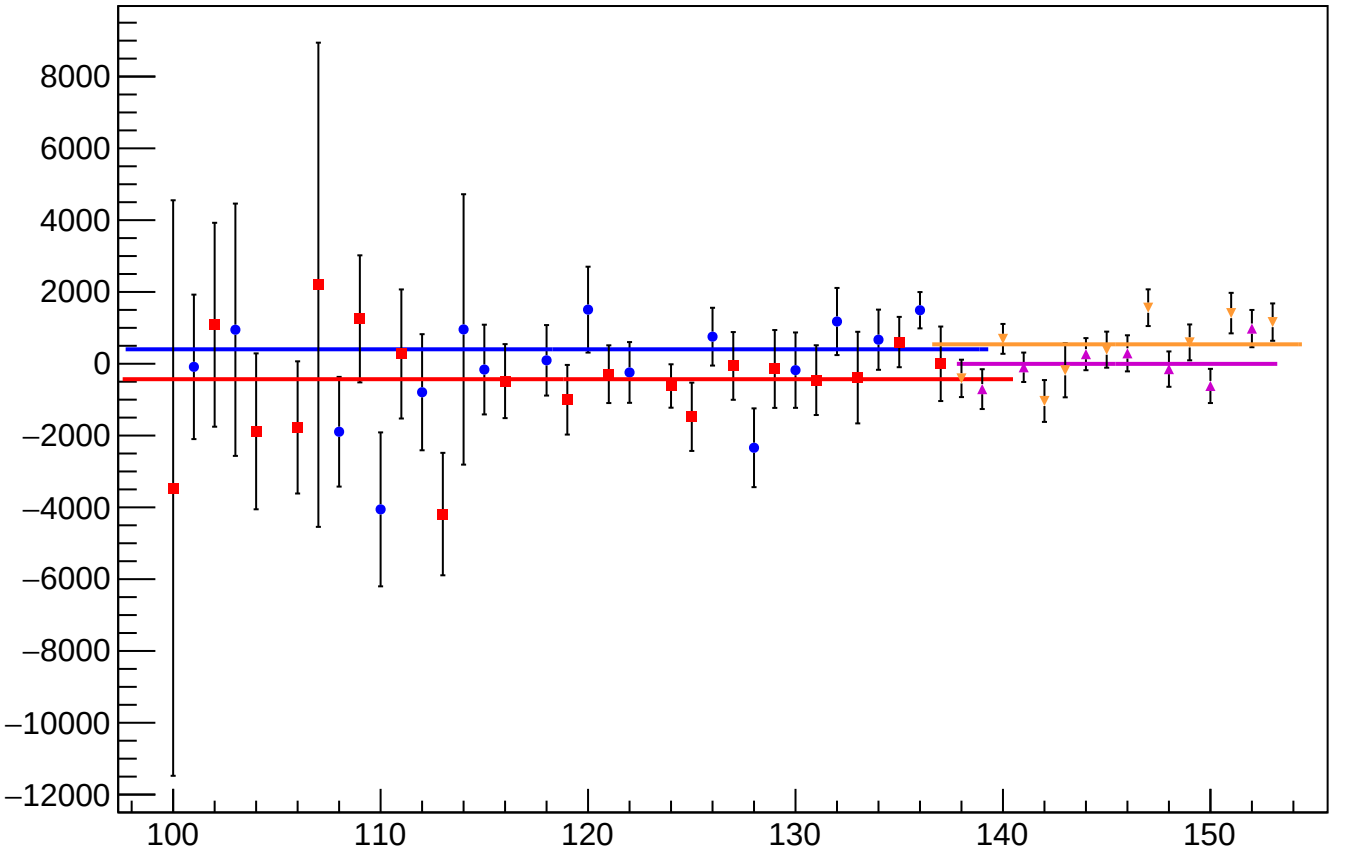
Left: 1817.366+/-0.354 χ^2/NDF: 12808.5/15

Right: 1951.702+/-0.368 χ^2/NDF: 1020563.0/34

In: 1870.700+/-0.366 χ^2/NDF:669723.1/22

Out: 1892.722+/-0.356 χ^2/NDF:431025.2/27

All: 1882.036+/-0.255 χ^2/NDF: 1102610.0/50



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 541.423+/-174.594 χ^2/NDF:19.6/8

Right Out: -430.066+/-252.823 χ^2/NDF: 11.7/18

Left In: -3.339+/-181.319 χ^2/NDF:7.7/6

Left: 279.332+/-125.767 χ^2/NDF: 32.0/15

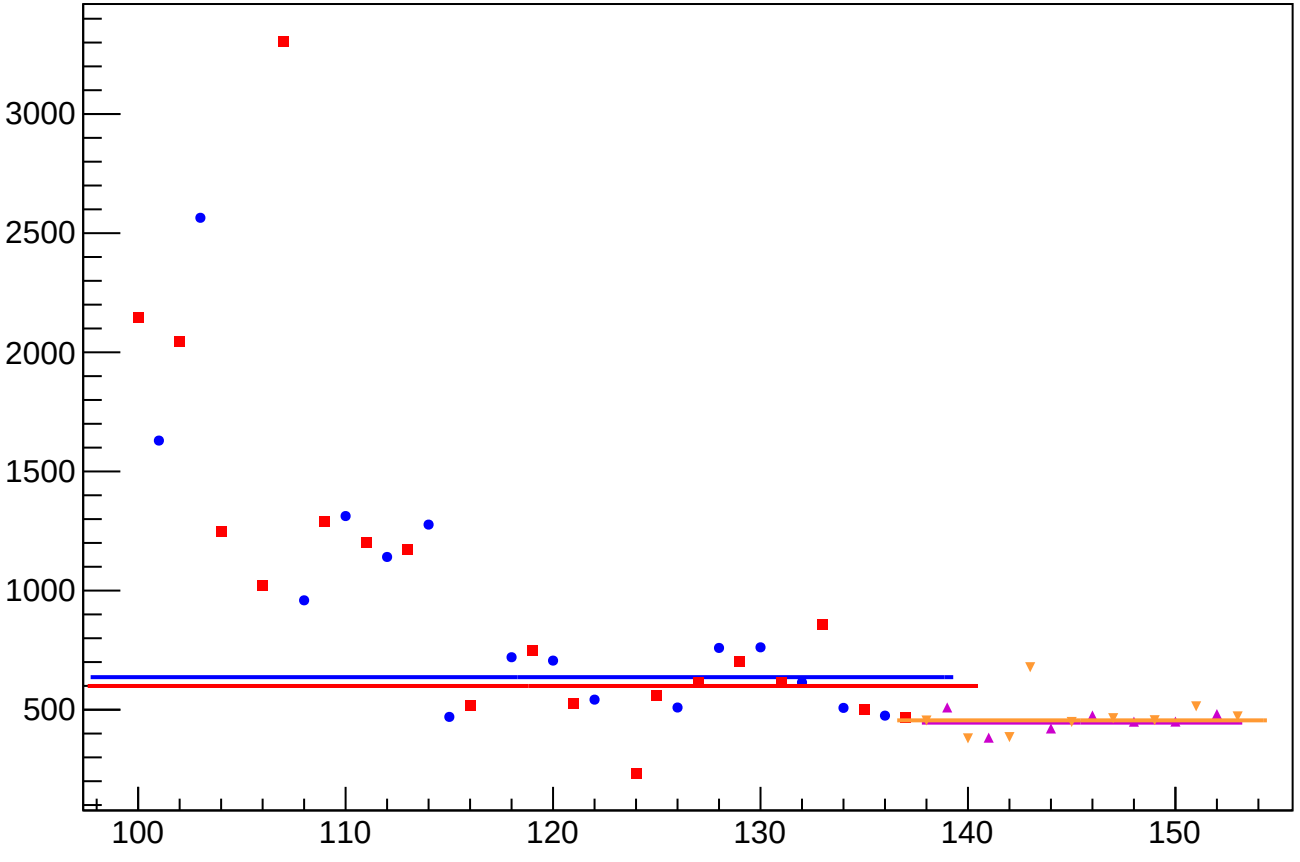
Right: -23.083+/-180.772 χ^2/NDF: 38.2/34

In: 130.480+/-148.457 χ^2/NDF:30.5/22

Out: 227.725+/-143.666 χ^2/NDF:41.3/27

All: 180.697+/-103.239 χ^2/NDF: 72.0/50

asym_at1_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 455.395+/-0.123 χ^2/NDF:294782.0/8

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

Left In: 445.796+/-0.128 χ^2/NDF:96857.3/6

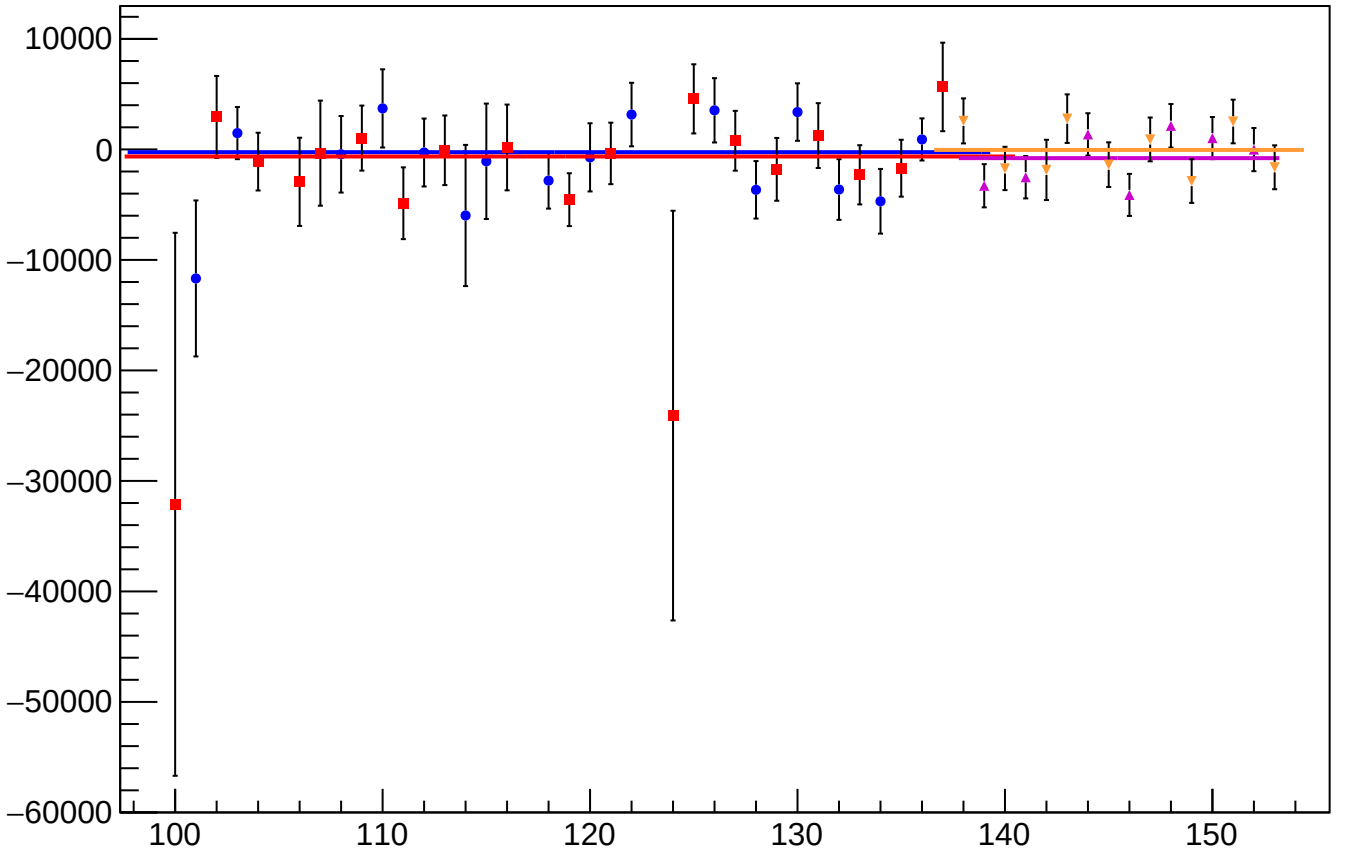
Left: 450.777+/-0.089 χ^2/NDF: 394547.4/15

Right: 617.749+/-0.128 χ^2/NDF: 5032005.8/34

In: 508.724+/-0.105 χ^2/NDF:2894554.4/22

Out: 501.969+/-0.102 χ^2/NDF:3679636.3/27

All: 505.236+/-0.073 χ^2/NDF: 6576328.9/50



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -47.731+/-688.931 χ^2/NDF:9.5/8

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -789.903+/-729.716 χ^2/NDF:10.0/6

Left: -397.498+/-500.946 χ^2/NDF: 20.1/15

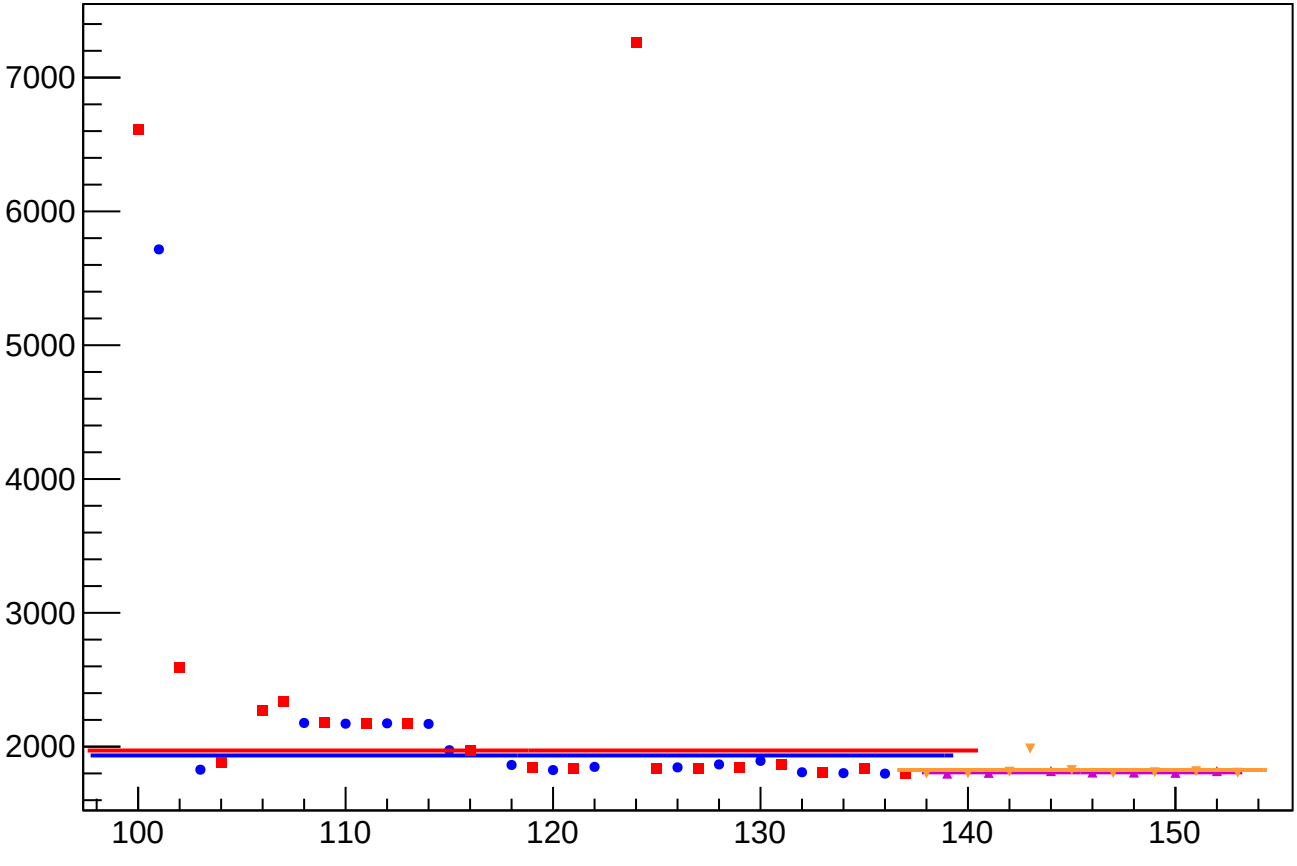
Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -522.182+/-517.884 χ^2/NDF:27.5/22

Out: -324.506+/-503.140 χ^2/NDF:25.8/27

All: -420.490+/-360.874 χ^2/NDF: 53.4/50

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1825.614+/-0.487 χ^2/NDF:12041.7/8

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1808.112+/-0.516 χ^2/NDF:158.5/6

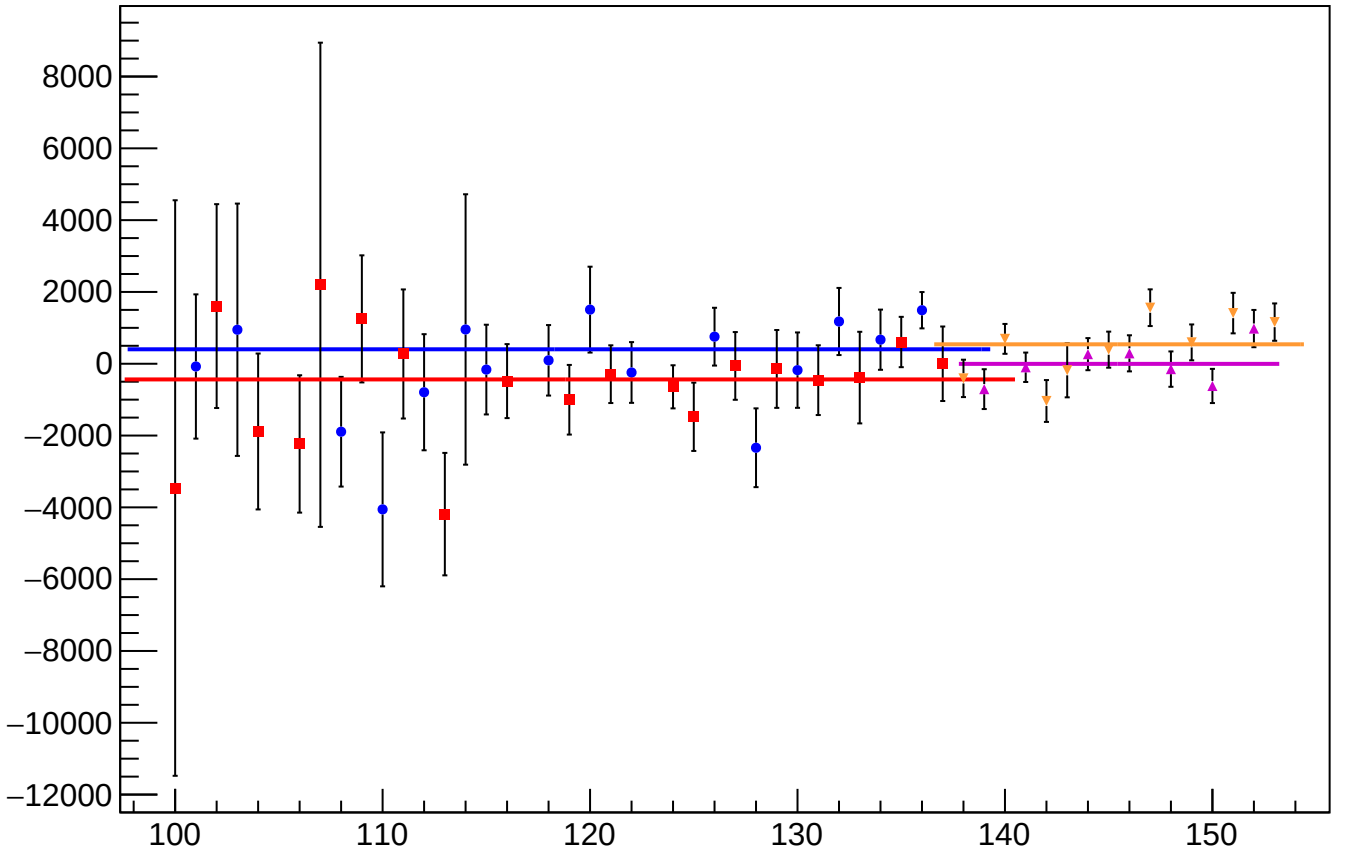
Left: 1817.366+/-0.354 χ^2/NDF: 12808.5/15

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1870.700+/-0.366 χ^2/NDF:669723.0/22

Out: 1893.623+/-0.356 χ^2/NDF:436984.7/27

All: 1882.492+/-0.255 χ^2/NDF: 1108723.4/50



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 541.367+/-174.596 χ^2/NDF:19.6/8

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -3.431+/-181.316 χ^2/NDF:7.7/6

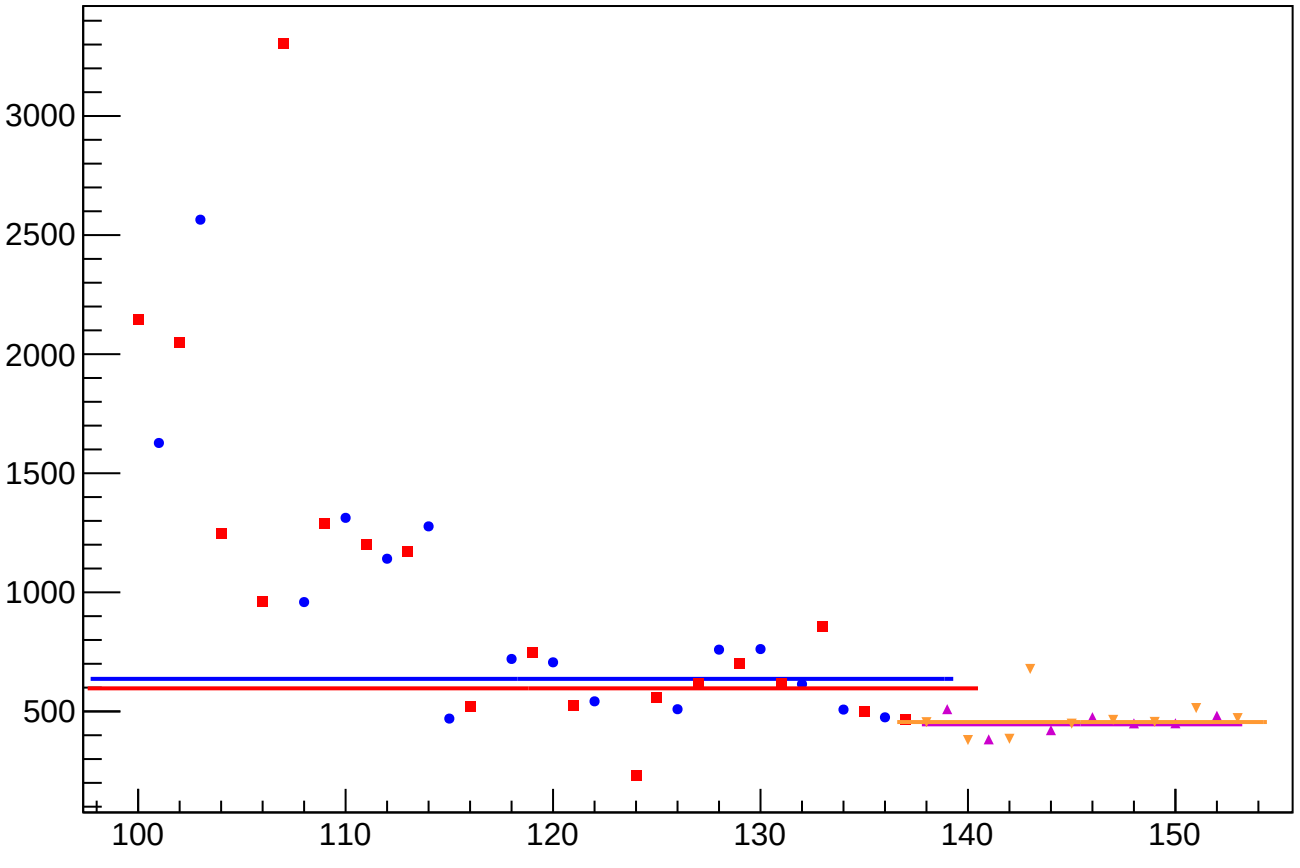
Left: 279.251+/-125.766 χ^2/NDF: 32.0/15

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 130.447+/-148.453 χ^2/NDF:30.5/22

Out: 225.288+/-143.639 χ^2/NDF:42.1/27

All: 179.430+/-103.228 χ^2/NDF: 72.8/50



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 455.400+/-0.123 χ^2/NDF:294729.1/8

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 445.788+/-0.128 χ^2/NDF:96853.2/6

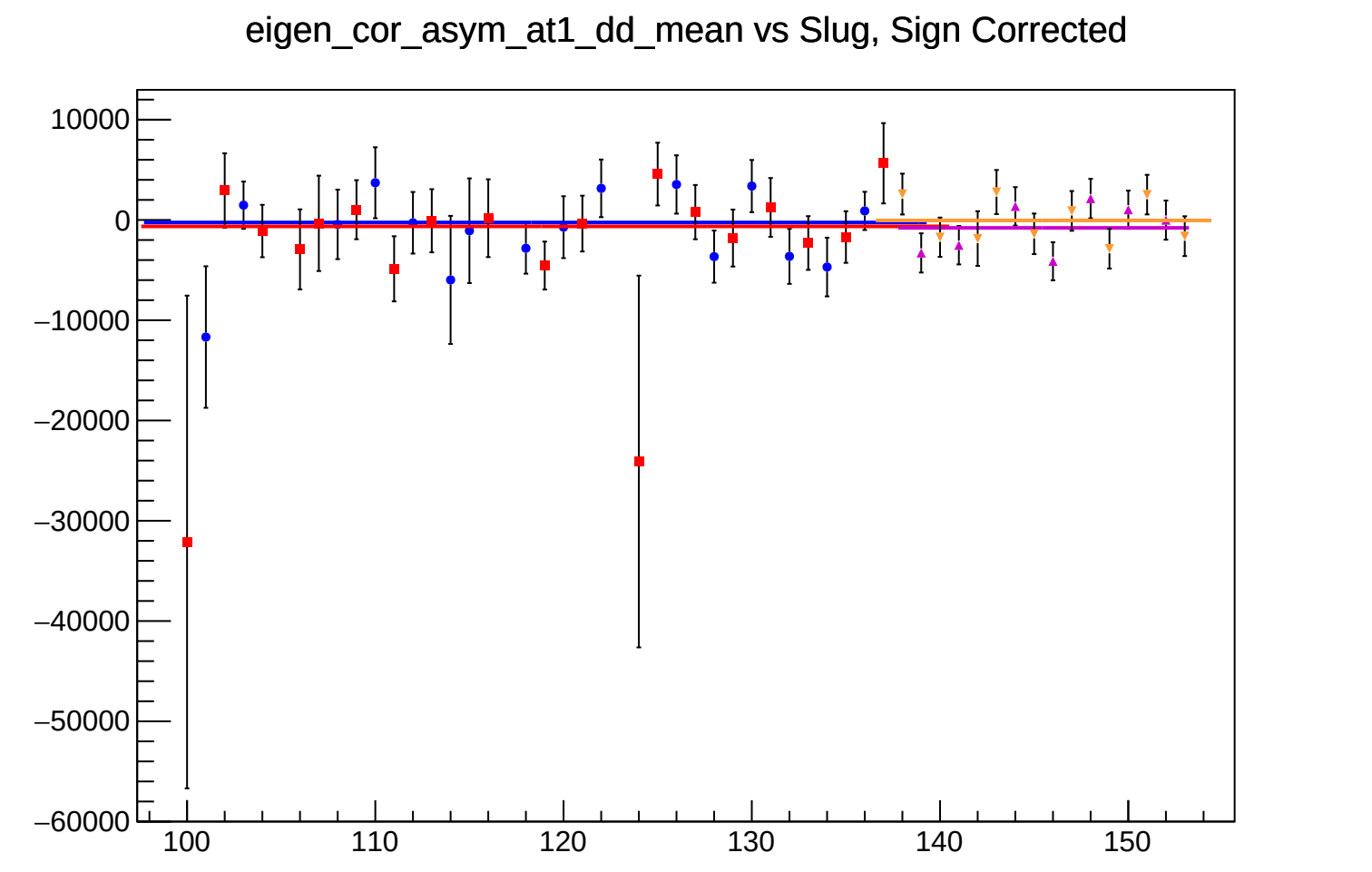
Left: 450.776+/-0.089 χ^2/NDF: 394499.0/15

Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 508.720+/-0.105 χ^2/NDF:2893778.3/22

Out: 501.117+/-0.102 χ^2/NDF:3649469.9/27

All: 504.793+/-0.073 χ^2/NDF: 6545957.9/50



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -47.731+/-688.931 χ^2/NDF:9.5/8

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -789.903+/-729.716 χ^2/NDF:10.0/6

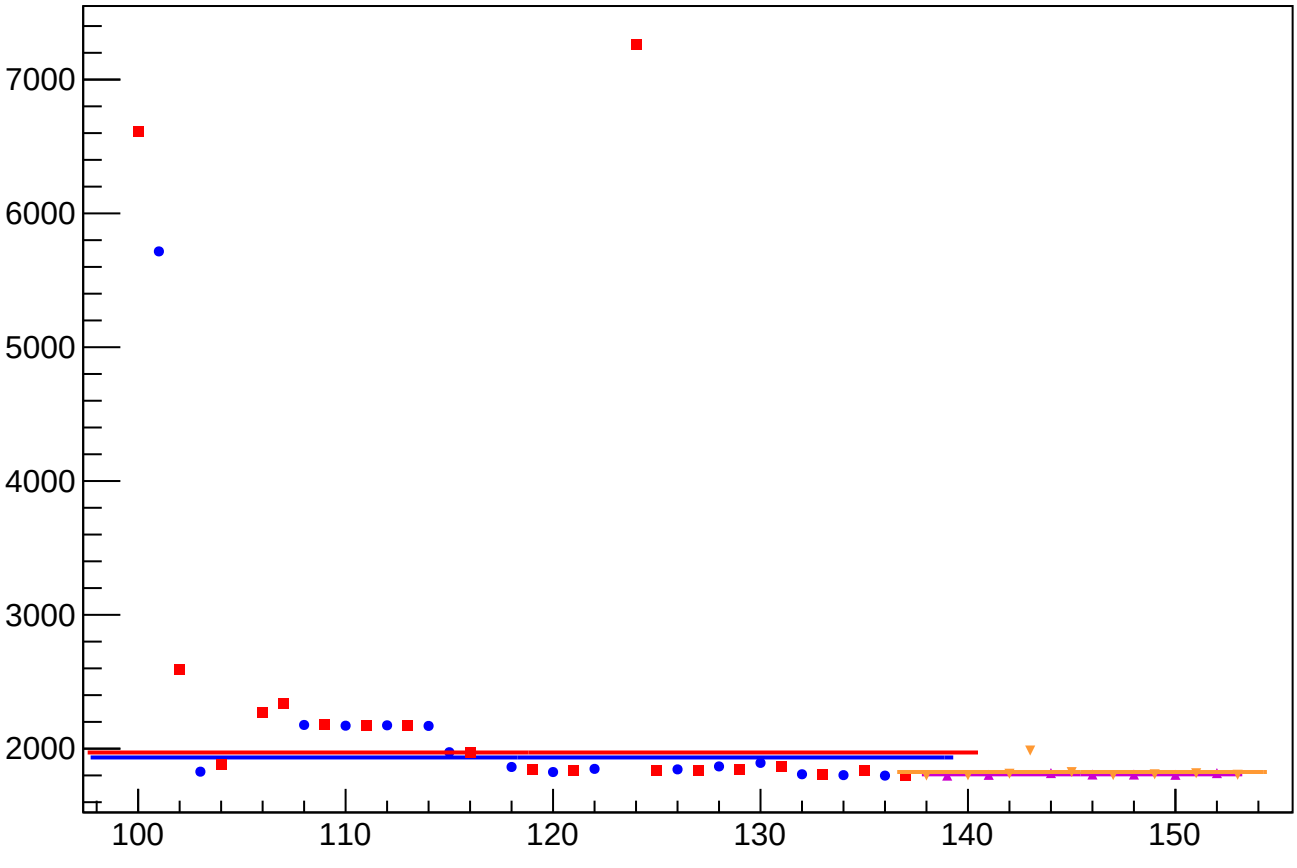
Left: -397.498+/-500.946 χ^2/NDF: 20.1/15

Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -522.182+/-517.884 χ^2/NDF:27.5/22

Out: -324.506+/-503.140 χ^2/NDF:25.8/27

All: -420.490+/-360.874 χ^2/NDF: 53.4/50



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1825.614+/-0.487 χ^2/NDF:12041.7/8

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1808.112+/-0.516 χ^2/NDF:158.5/6

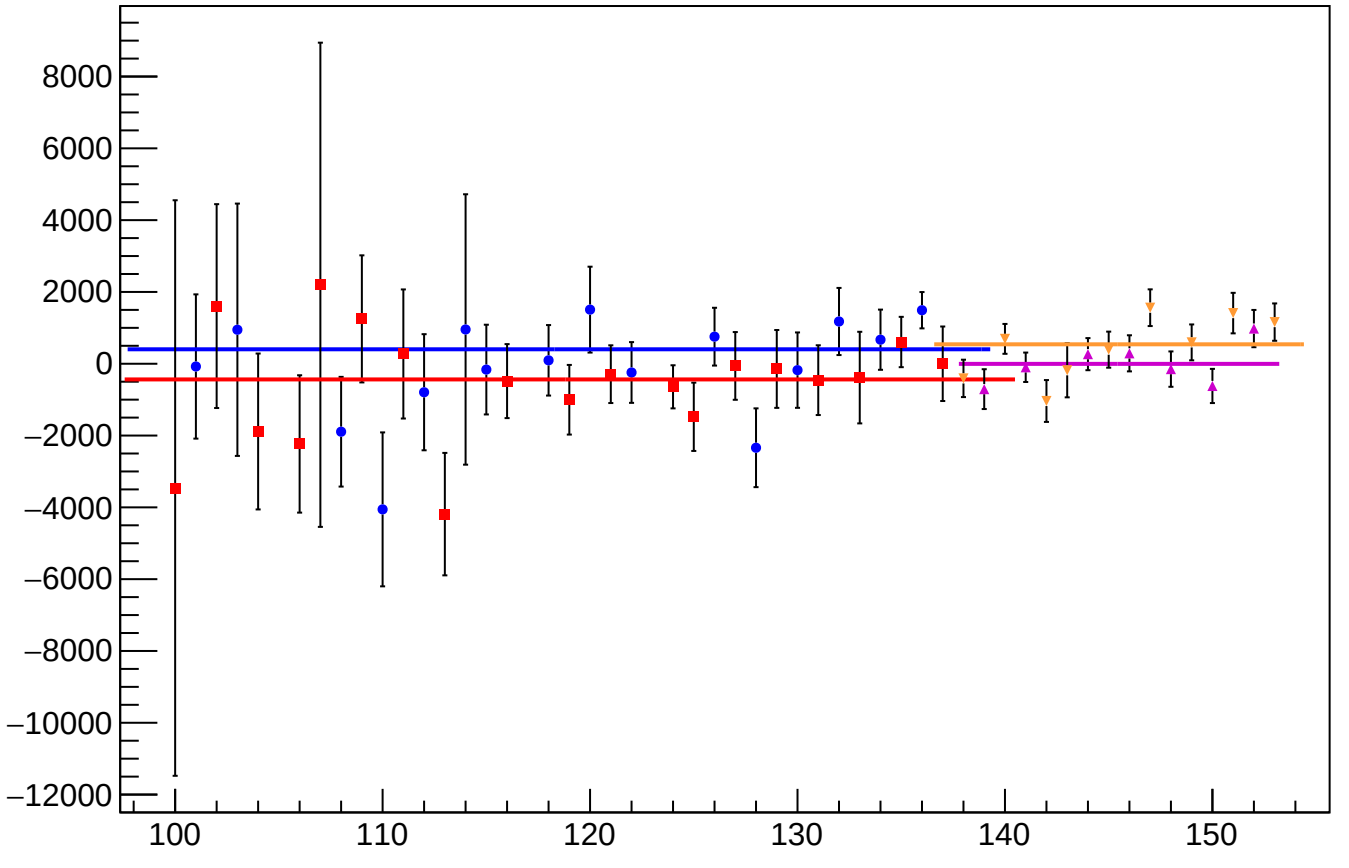
Left: 1817.366+/-0.354 χ^2/NDF: 12808.5/15

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1870.700+/-0.366 χ^2/NDF:669723.0/22

Out: 1893.623+/-0.356 χ^2/NDF:436984.7/27

All: 1882.492+/-0.255 χ^2/NDF: 1108723.4/50



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 541.367+/-174.596 χ^2/NDF:19.6/8

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -3.431+/-181.316 χ^2/NDF:7.7/6

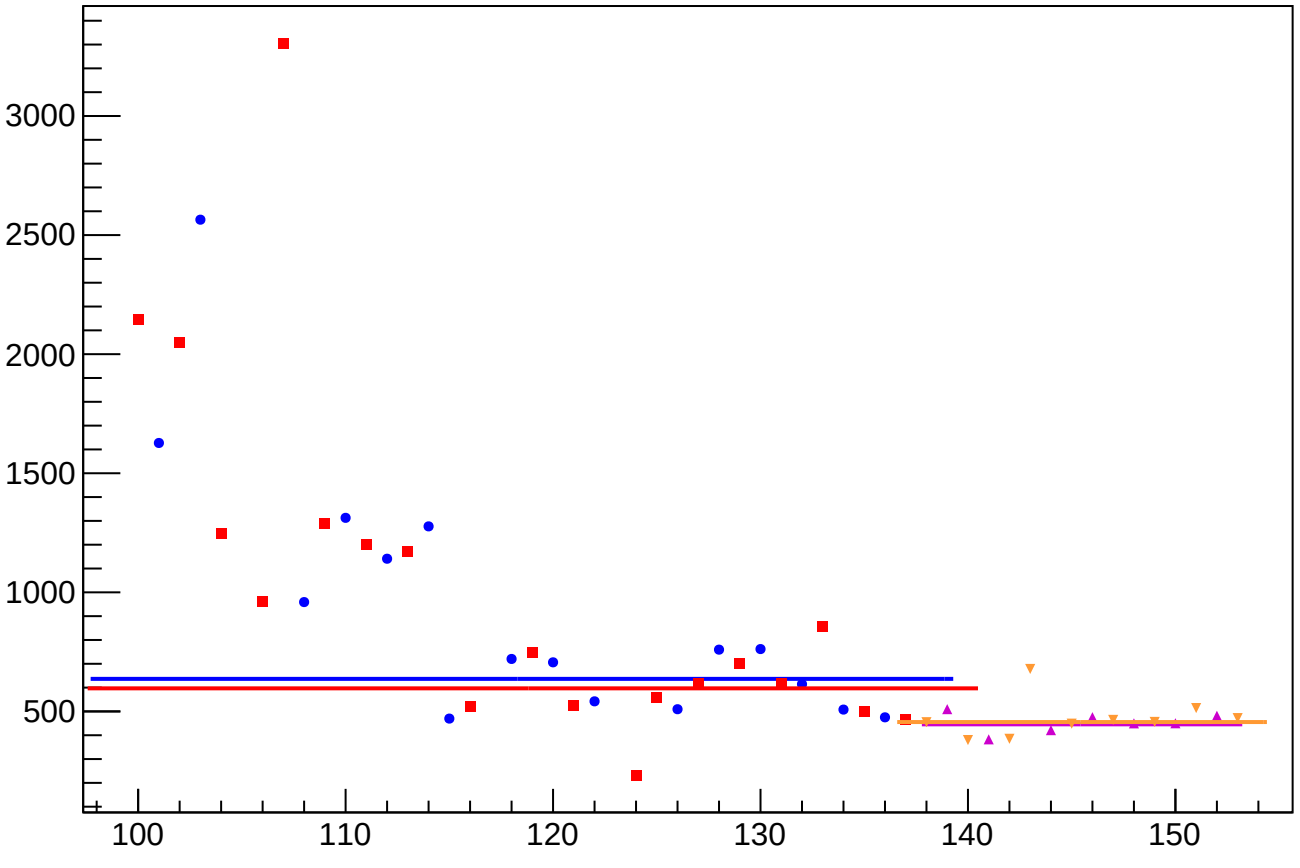
Left: 279.251+/-125.766 χ^2/NDF: 32.0/15

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 130.447+/-148.453 χ^2/NDF:30.5/22

Out: 225.288+/-143.639 χ^2/NDF:42.1/27

All: 179.430+/-103.228 χ^2/NDF: 72.8/50



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 455.400+/-0.123 χ^2/NDF:294729.1/8

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 445.788+/-0.128 χ^2/NDF:96853.2/6

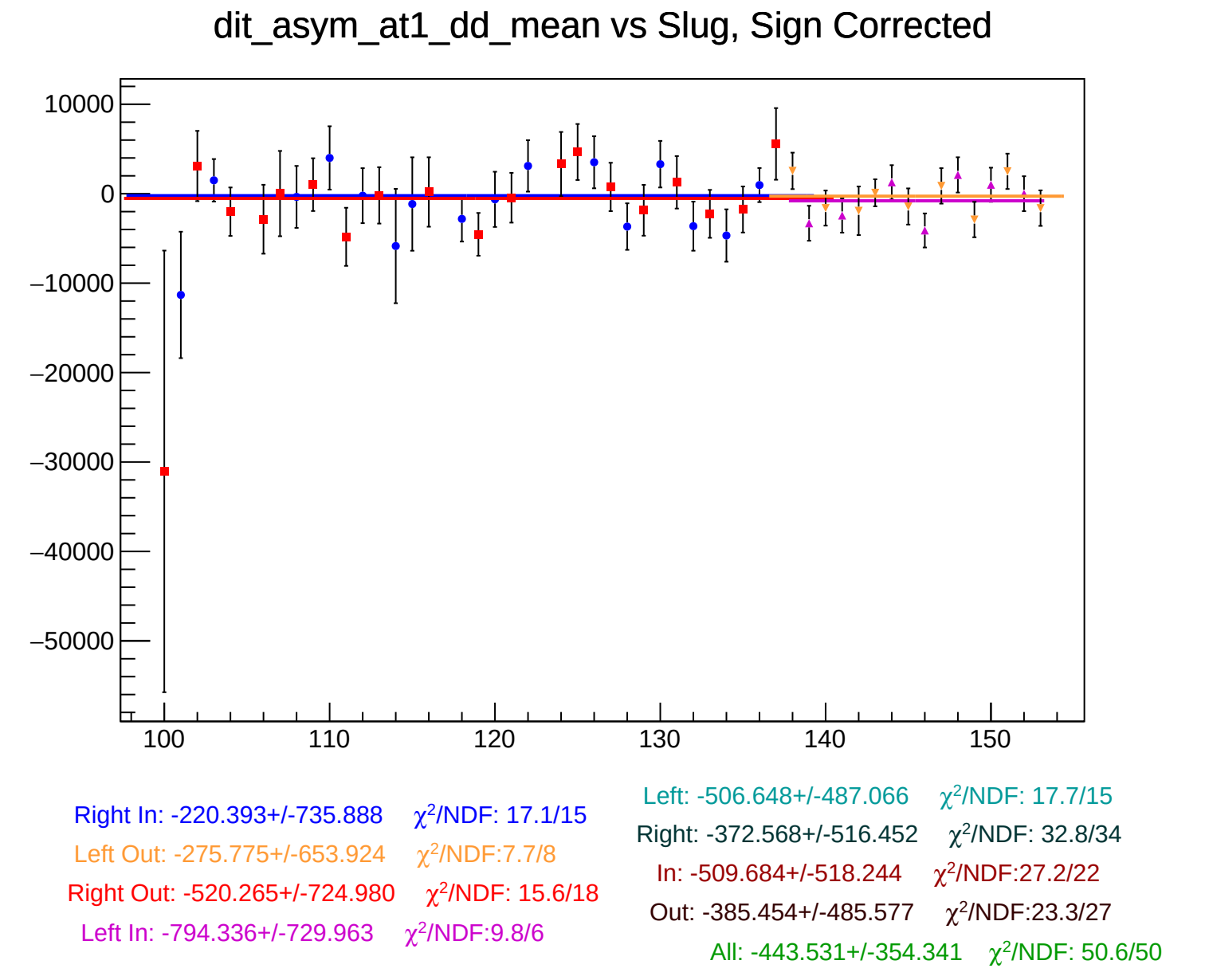
Left: 450.776+/-0.089 χ^2/NDF: 394499.0/15

Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

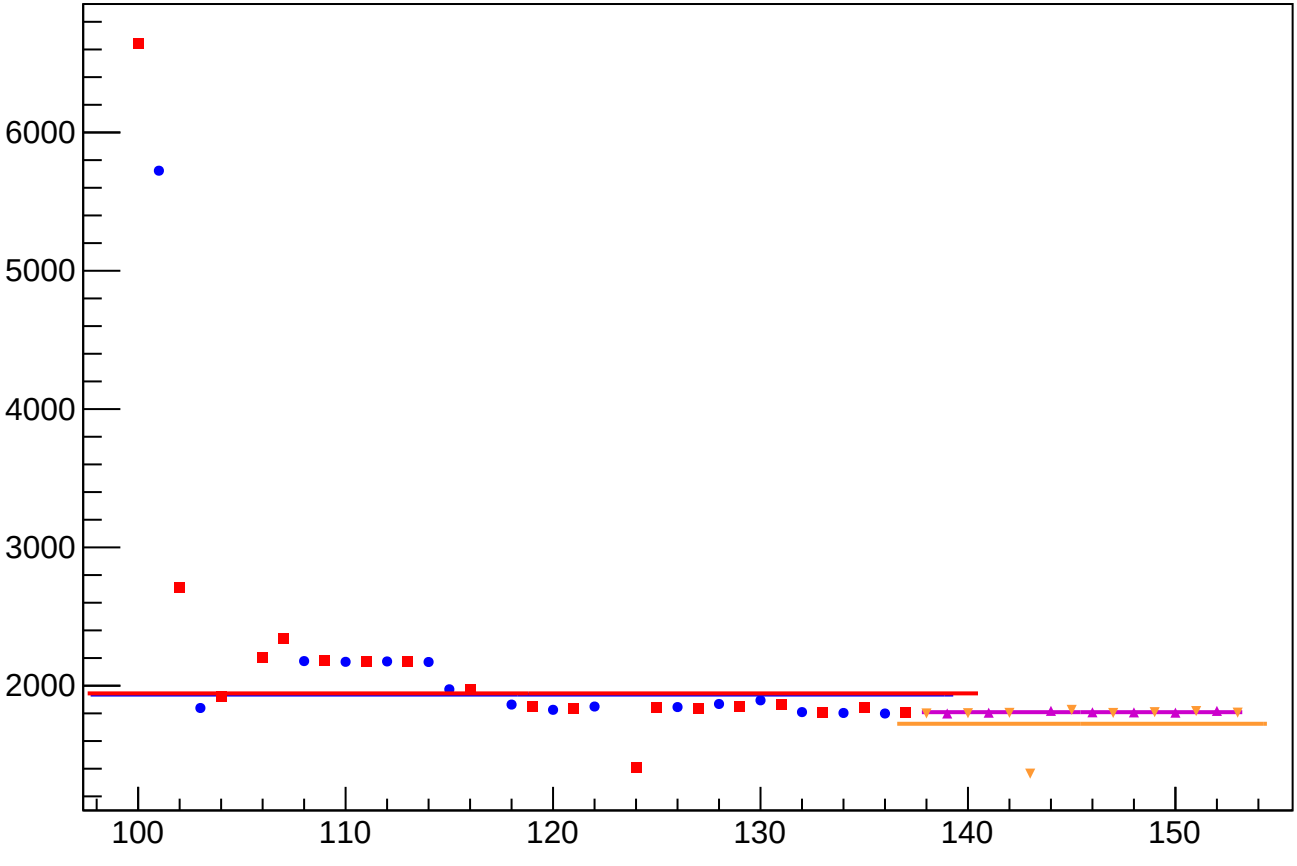
In: 508.720+/-0.105 χ^2/NDF:2893778.3/22

Out: 501.117+/-0.102 χ^2/NDF:3649469.9/27

All: 504.793+/-0.073 χ^2/NDF: 6545957.9/50


dit_asym_at1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
Right In: -220.393+/-735.888 χ²/NDF: 17.1/15
Left Out: -275.775+/-653.924 χ²/NDF:7.7/8
Right Out: -520.265+/-724.980 χ²/NDF: 15.6/18
Left In: -794.336+/-729.963 χ²/NDF:9.8/6
Left: -506.648+/-487.066 χ²/NDF: 17.7/15
Right: -372.568+/-516.452 χ²/NDF: 32.8/34
In: -509.684+/-518.244 χ²/NDF:27.2/22
Out: -385.454+/-485.577 χ²/NDF:23.3/27
All: -443.531+/-354.341 χ²/NDF: 50.6/50

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1724.828+/-0.462 χ^2/NDF:140660.7/8

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

Left In: 1808.725+/-0.516 χ^2/NDF:157.7/6

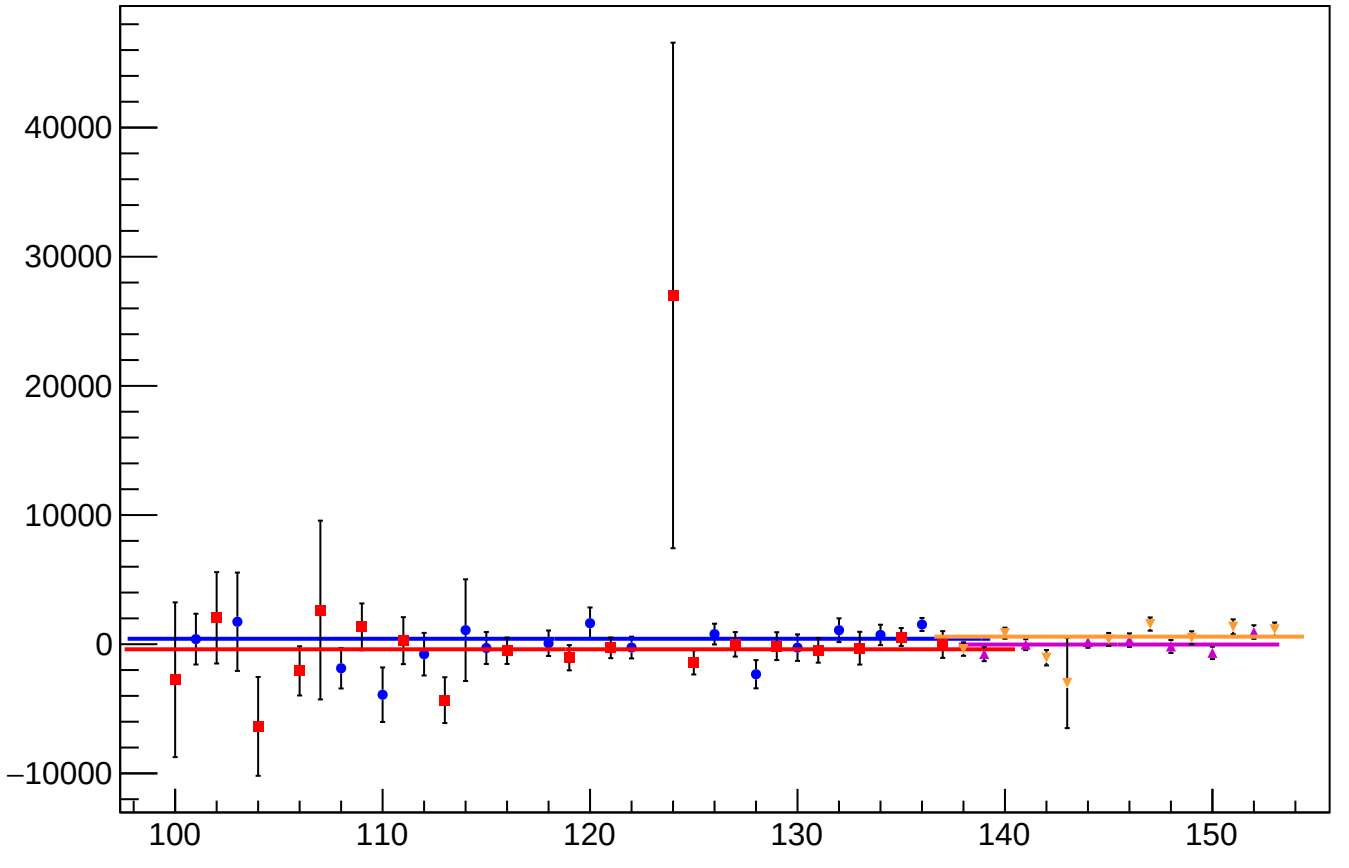
Left: 1762.181+/-0.344 χ^2/NDF: 155475.3/15

Right: 1940.298+/-0.365 χ^2/NDF: 916167.7/34

In: 1871.835+/-0.366 χ^2/NDF:670108.4/22

Out: 1823.372+/-0.343 χ^2/NDF:518128.3/27

All: 1846.028+/-0.251 χ^2/NDF: 1197550.2/50



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 585.119+/-181.464 χ^2/NDF:19.1/8

Right Out: -393.590+/-279.562 χ^2/NDF: 15.9/18

Left In: -24.623+/-184.985 χ^2/NDF:7.6/6

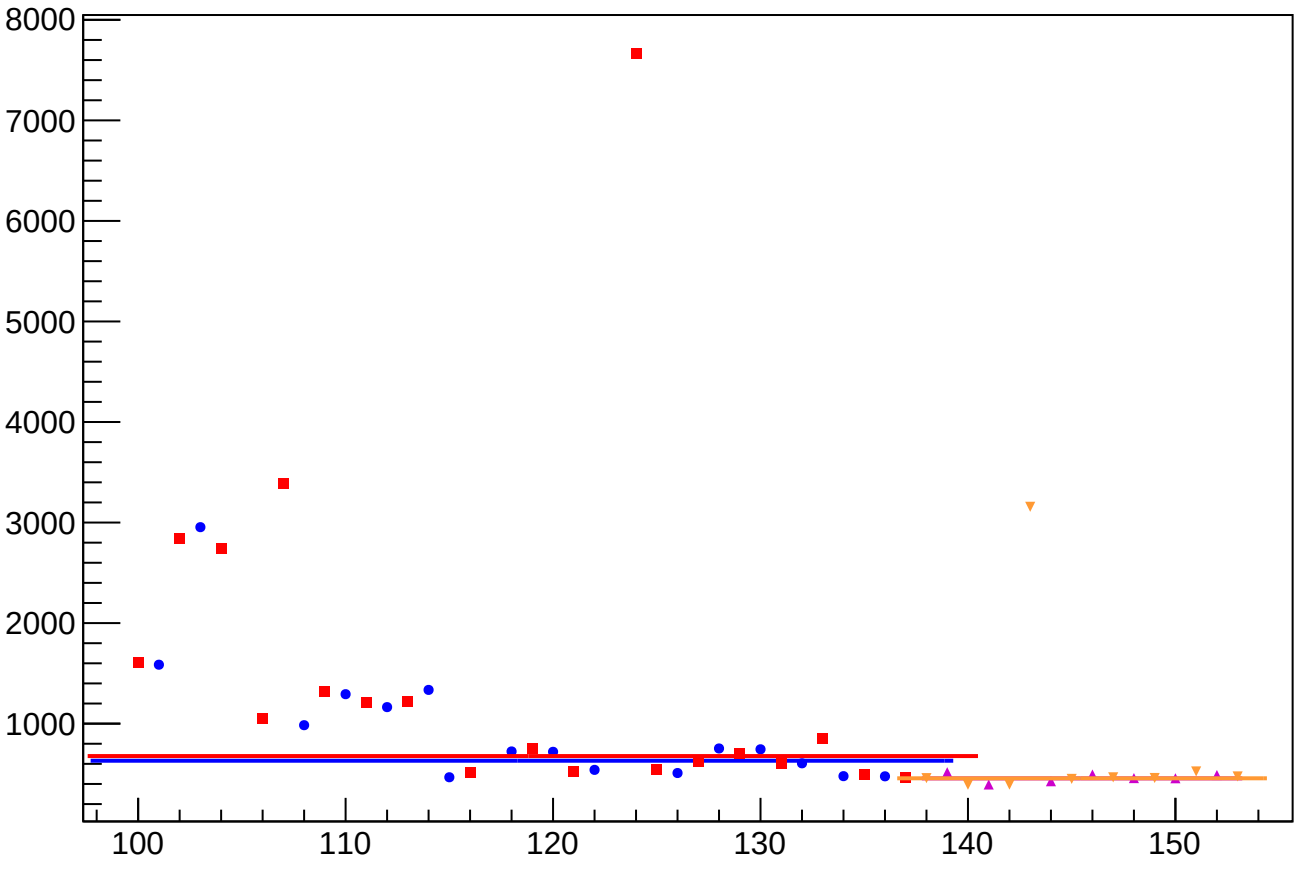
Left: 286.106+/-129.541 χ^2/NDF: 32.1/15

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 127.703+/-150.087 χ^2/NDF:31.0/22

Out: 294.996+/-152.210 χ^2/NDF:43.5/27

All: 210.175+/-106.870 χ^2/NDF: 75.2/50



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 456.281+/-0.128 χ^2/NDF:1293281.6/8

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

Left In: 455.365+/-0.131 χ^2/NDF:92272.3/6

Left: 455.831+/-0.092 χ^2/NDF: 1385579.0/15

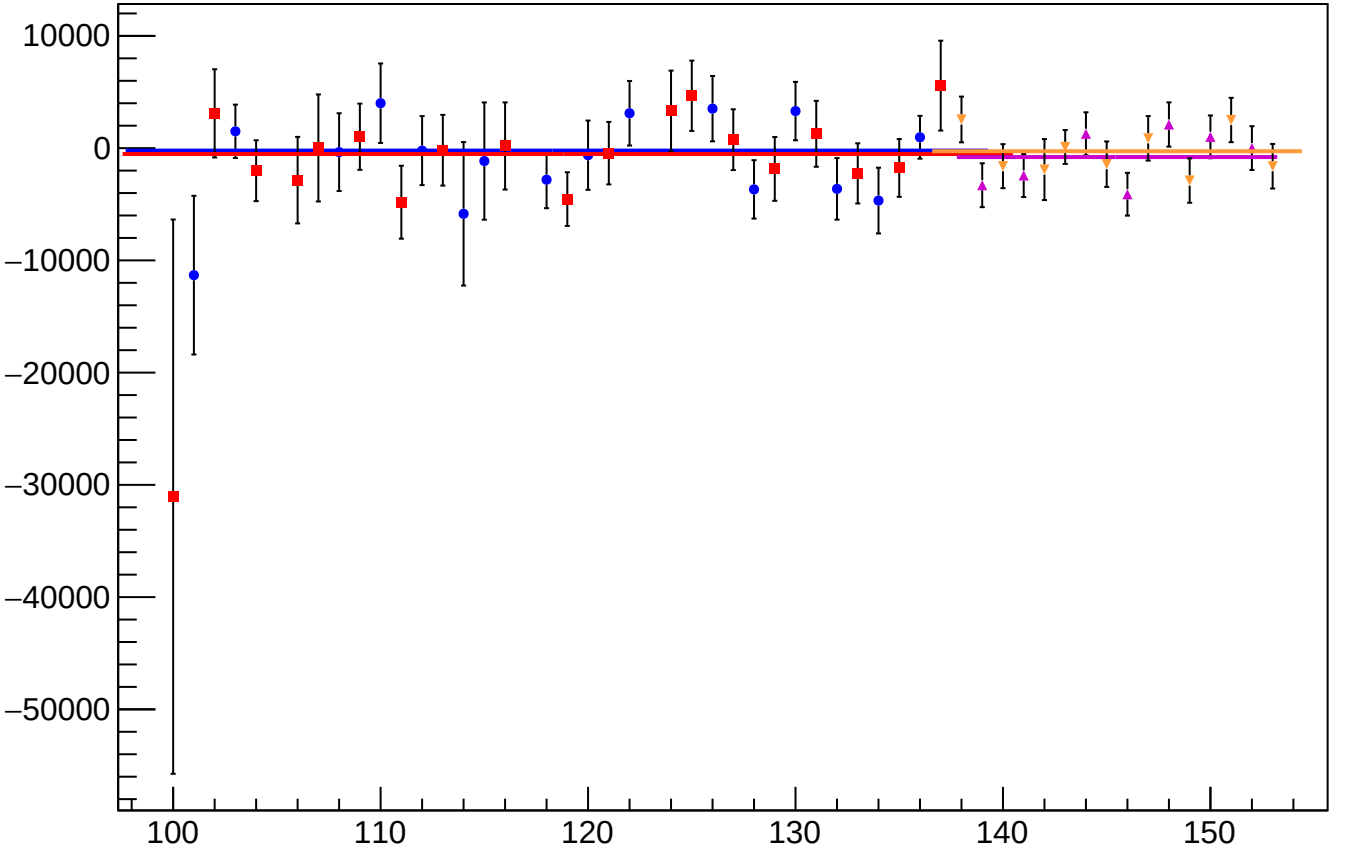
Right: 652.323+/-0.134 χ^2/NDF: 5345805.1/34

In: 515.430+/-0.106 χ^2/NDF:2943829.4/22

Out: 521.839+/-0.108 χ^2/NDF:5255450.9/27

All: 518.589+/-0.076 χ^2/NDF: 8201078.4/50

eigen_dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -275.775+/-653.924 χ^2/NDF:7.7/8

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: -794.336+/-729.963 χ^2/NDF:9.8/6

Left: -506.649+/-487.066 χ^2/NDF: 17.7/15

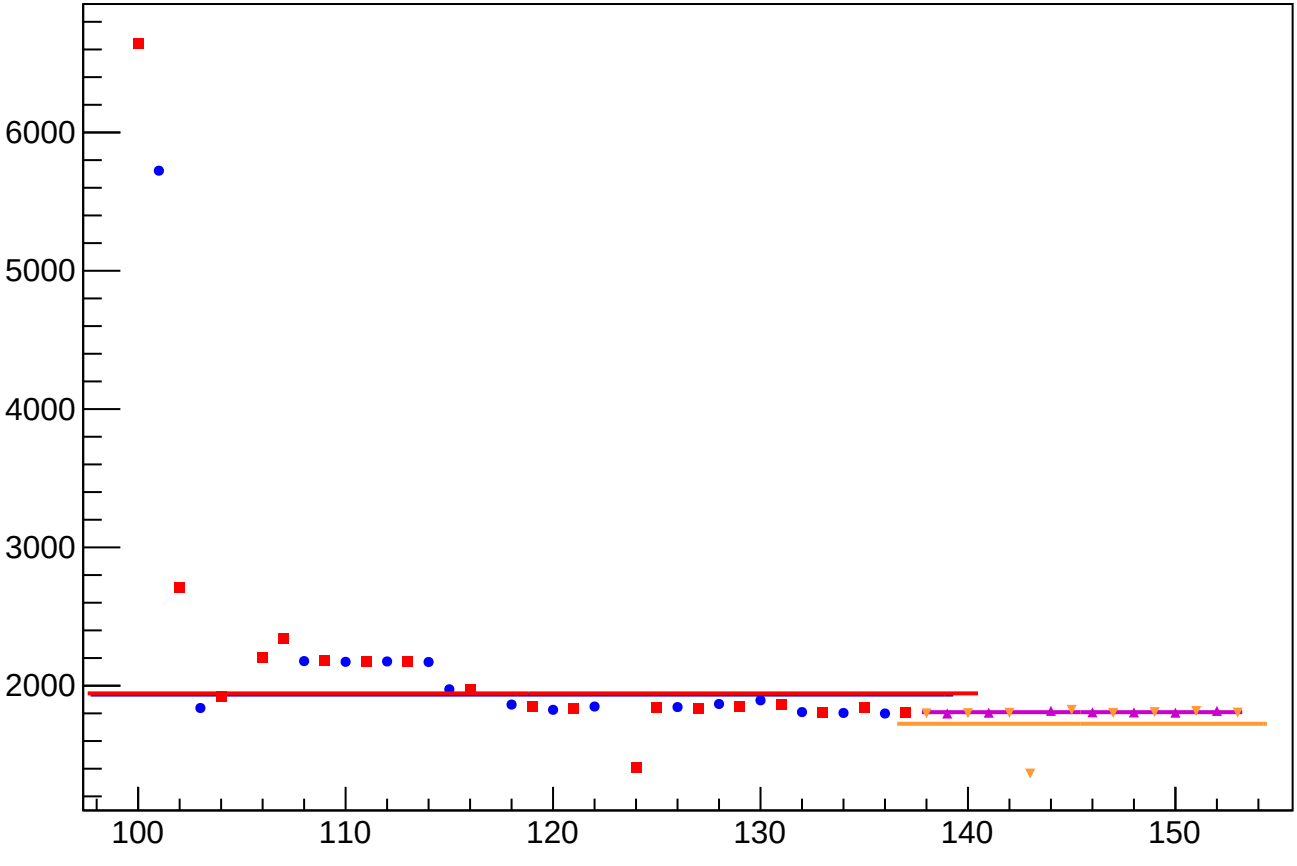
Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -509.685+/-518.244 χ^2/NDF:27.2/22

Out: -385.455+/-485.577 χ^2/NDF:23.3/27

All: -443.531+/-354.341 χ^2/NDF: 50.6/50

eigen_dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1724.828+/-0.462 χ^2/NDF:140660.7/8

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

Left In: 1808.725+/-0.516 χ^2/NDF:157.7/6

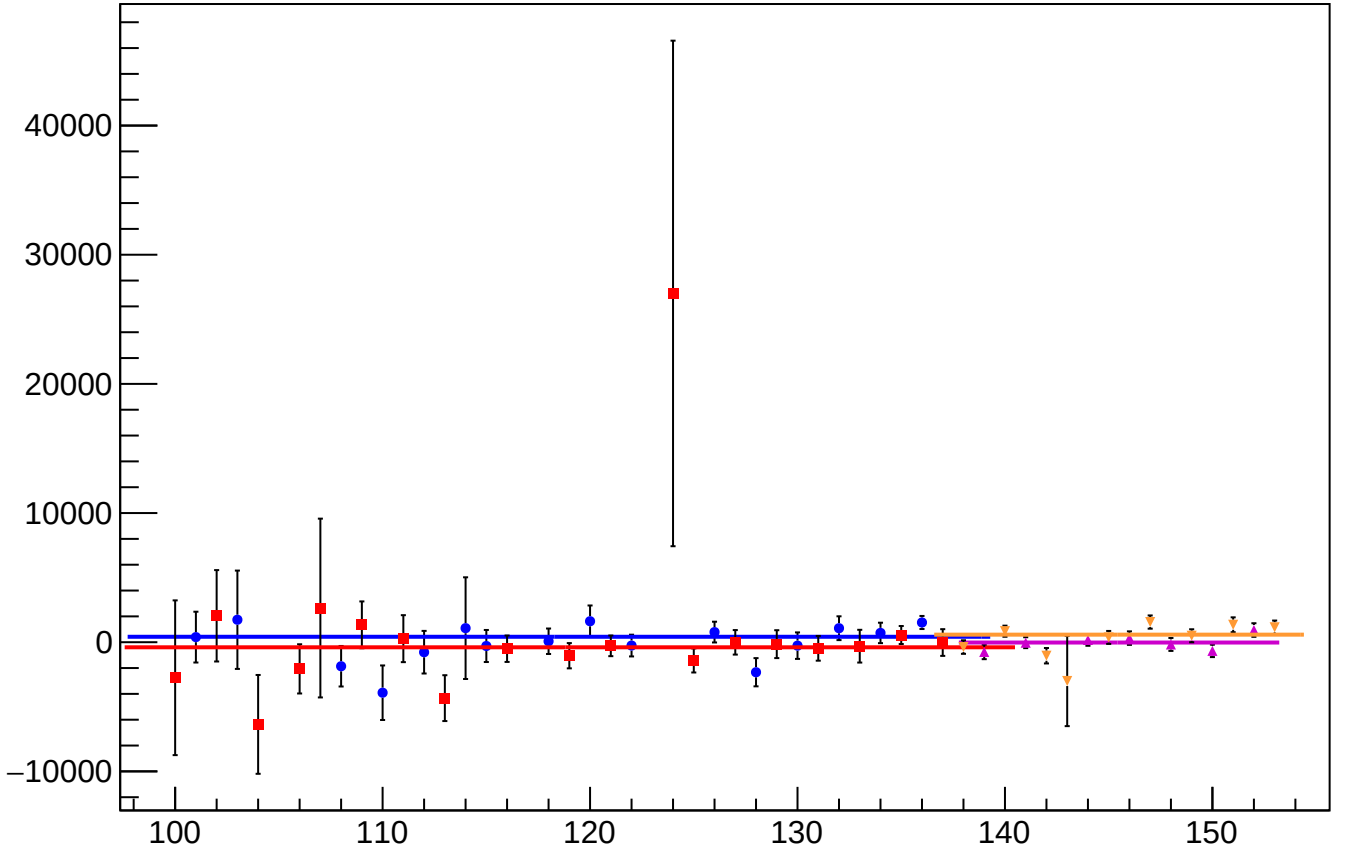
Left: 1762.181+/-0.344 χ^2/NDF: 155475.3/15

Right: 1940.298+/-0.365 χ^2/NDF: 916167.5/34

In: 1871.835+/-0.366 χ^2/NDF:670108.4/22

Out: 1823.372+/-0.343 χ^2/NDF:518128.0/27

All: 1846.028+/-0.251 χ^2/NDF: 1197549.9/50



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 585.119+/-181.464 χ^2/NDF:19.1/8

Right Out: -393.591+/-279.562 χ^2/NDF: 15.9/18

Left In: -24.623+/-184.985 χ^2/NDF:7.6/6

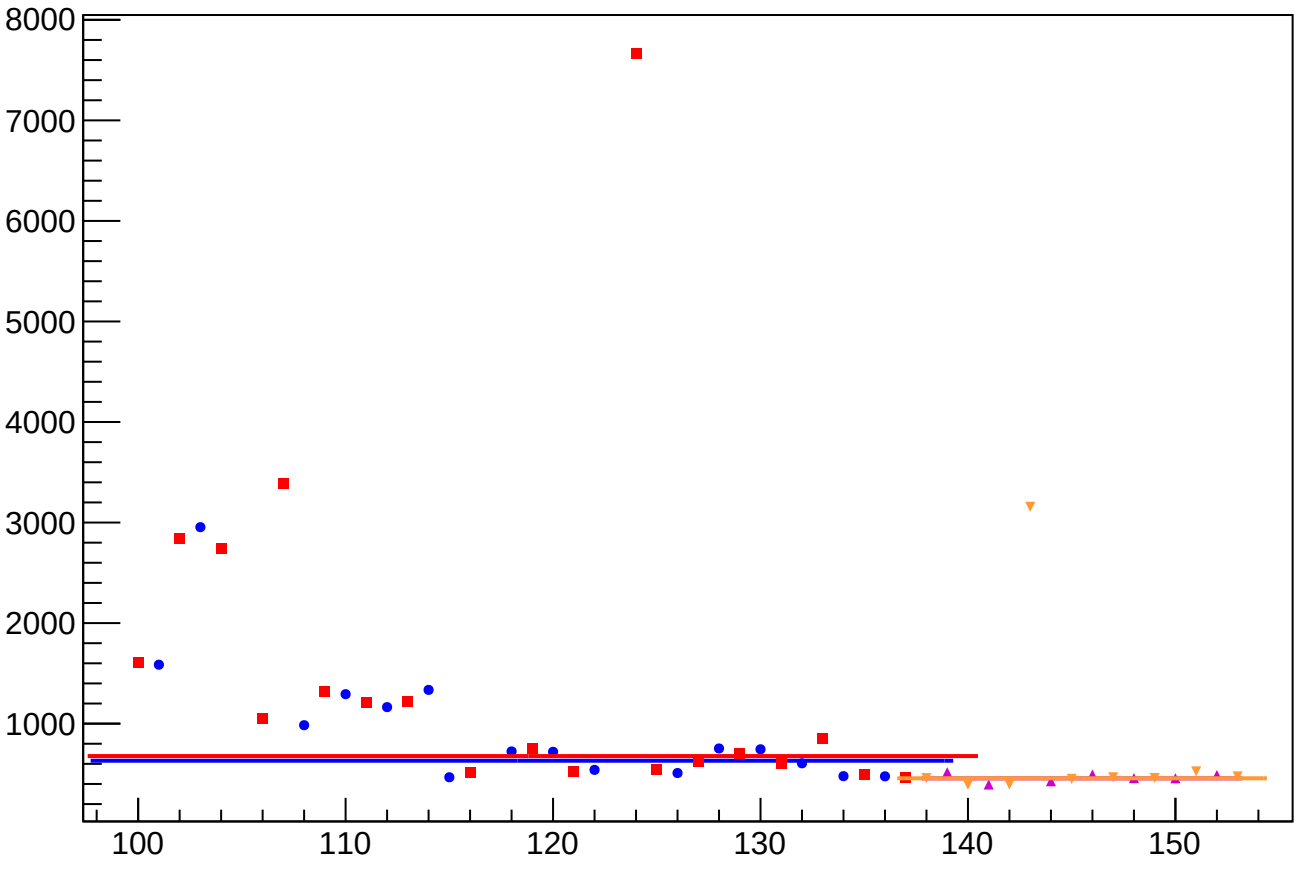
Left: 286.106+/-129.541 χ^2/NDF: 32.1/15

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 127.703+/-150.087 χ^2/NDF:31.0/22

Out: 294.996+/-152.210 χ^2/NDF:43.5/27

All: 210.175+/-106.870 χ^2/NDF: 75.2/50



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 456.280+/-0.128 χ^2/NDF:1293281.8/8

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

Left In: 455.364+/-0.131 χ^2/NDF:92273.1/6

Left: 455.831+/-0.092 χ^2/NDF: 1385579.8/15

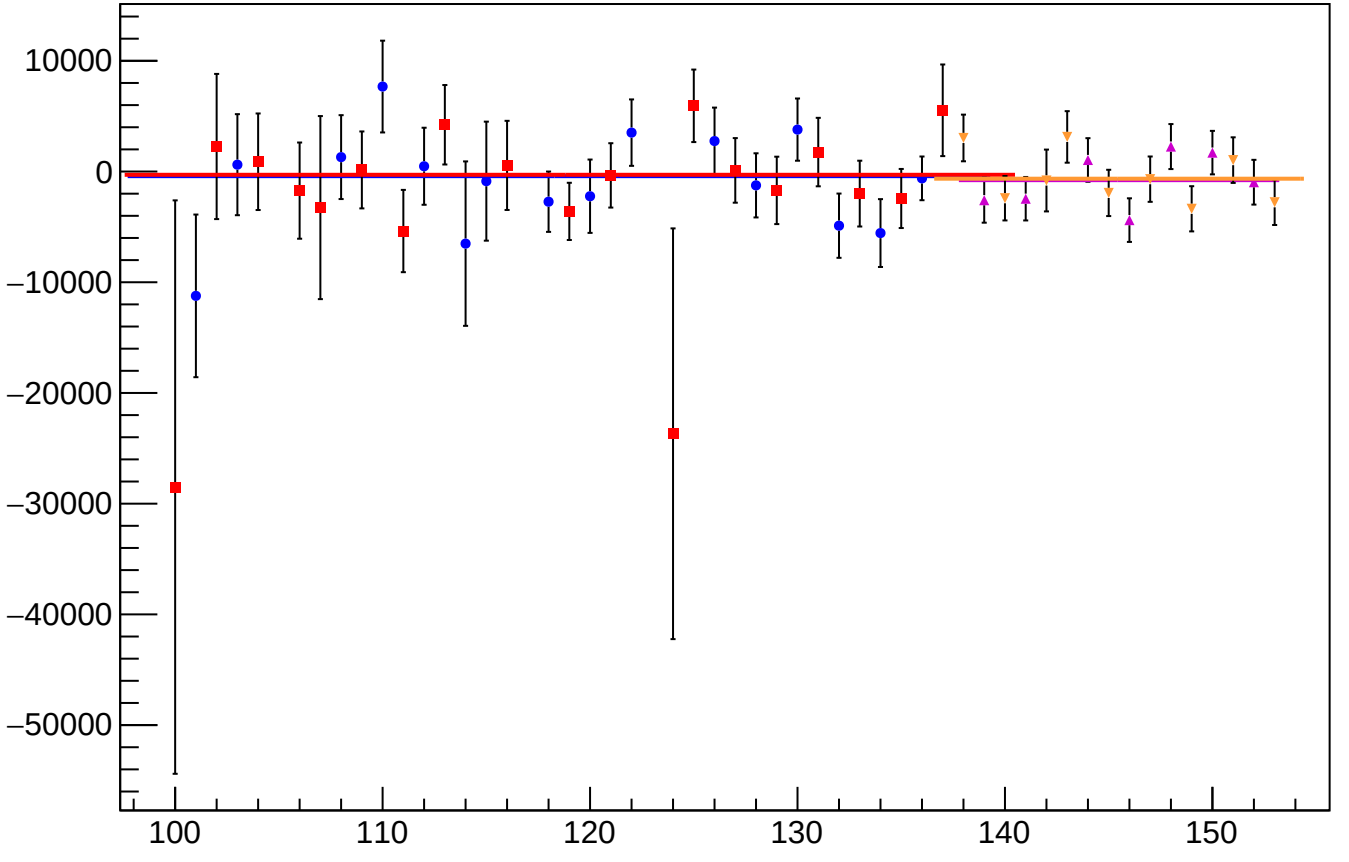
Right: 652.323+/-0.134 χ^2/NDF: 5345804.8/34

In: 515.429+/-0.106 χ^2/NDF:2943830.6/22

Out: 521.839+/-0.108 χ^2/NDF:5255456.0/27

All: 518.589+/-0.076 χ^2/NDF: 8201084.5/50

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: -646.997+/-713.042 χ^2/NDF:10.3/8

Right Out: -294.527+/-831.610 χ^2/NDF: 15.6/18

Left In: -778.657+/-753.144 χ^2/NDF:9.6/6

Left: -709.228+/-517.794 χ^2/NDF: 19.9/15

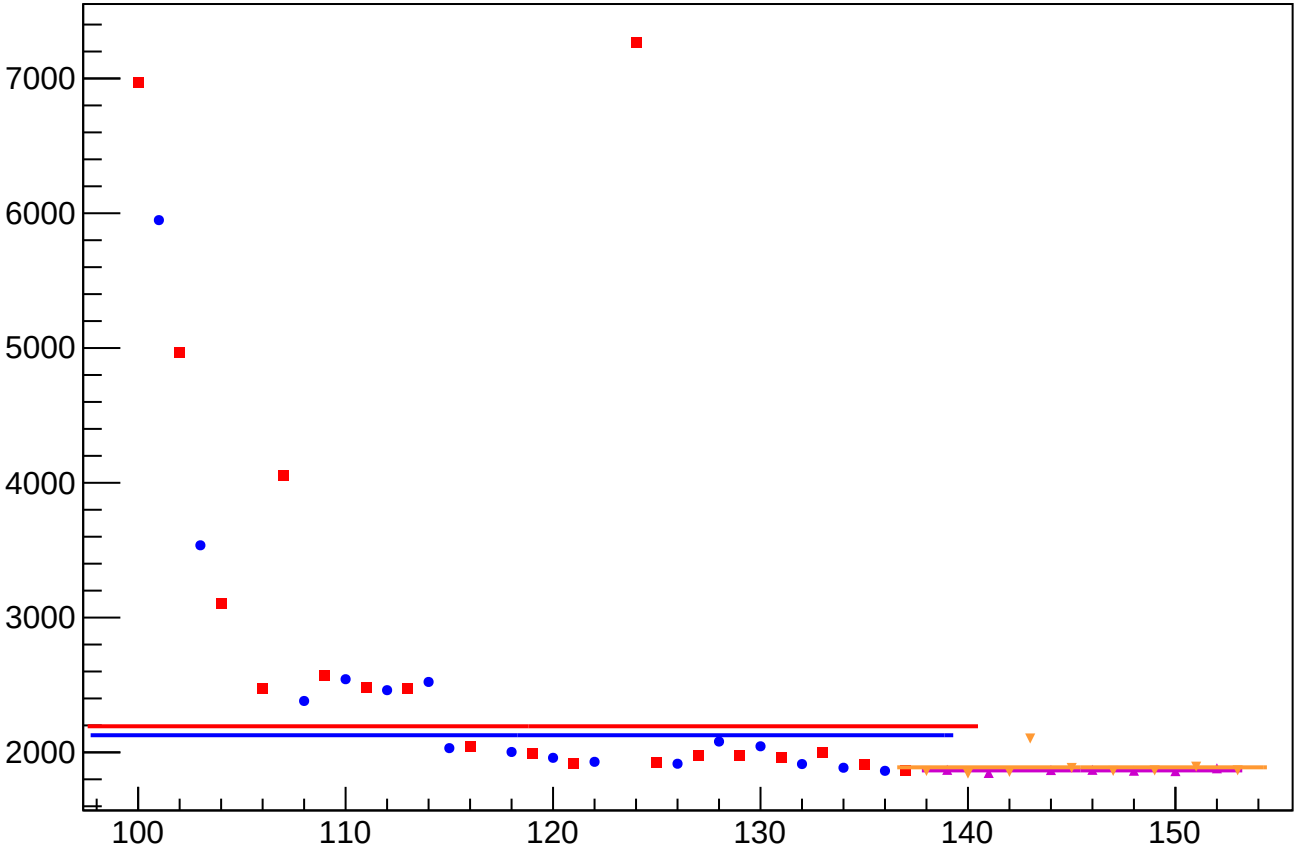
Right: -357.308+/-582.210 χ^2/NDF: 34.0/34

In: -612.458+/-553.245 χ^2/NDF:28.0/22

Out: -497.659+/-541.307 χ^2/NDF:26.1/27

All: -553.806+/-386.914 χ^2/NDF: 54.1/50

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1888.971+/-0.504 χ^2/NDF:19464.3/8

Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1866.128+/-0.533 χ^2/NDF:344.7/6

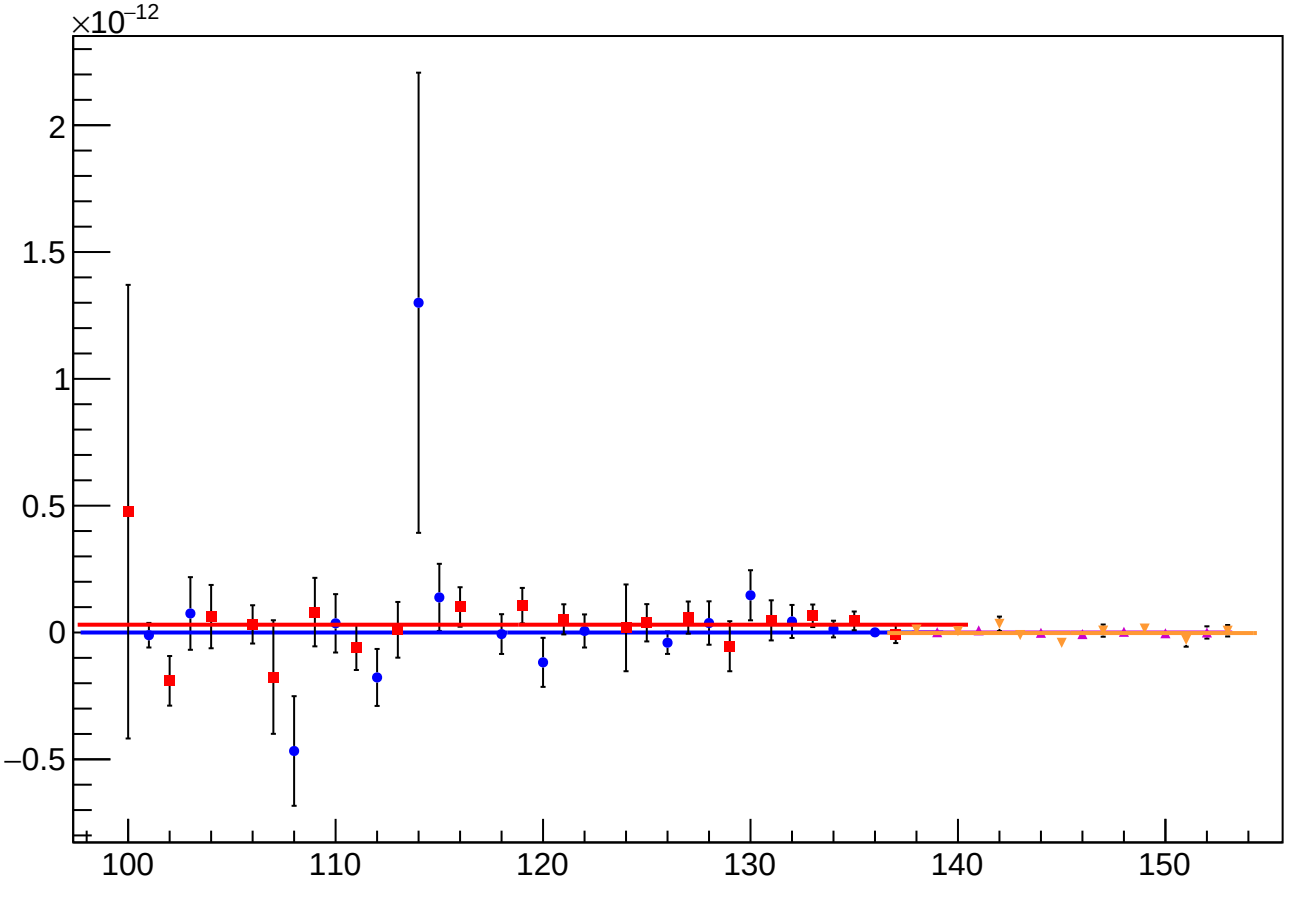
Left: 1878.174+/-0.366 χ^2/NDF: 20779.2/15

Right: 2159.645+/-0.412 χ^2/NDF: 1824183.5/34

In: 1986.250+/-0.391 χ^2/NDF:985930.5/22

Out: 2018.022+/-0.383 χ^2/NDF:1116669.6/27

All: 2002.483+/-0.274 χ^2/NDF: 2105970.1/50



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.6/8

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.0/6

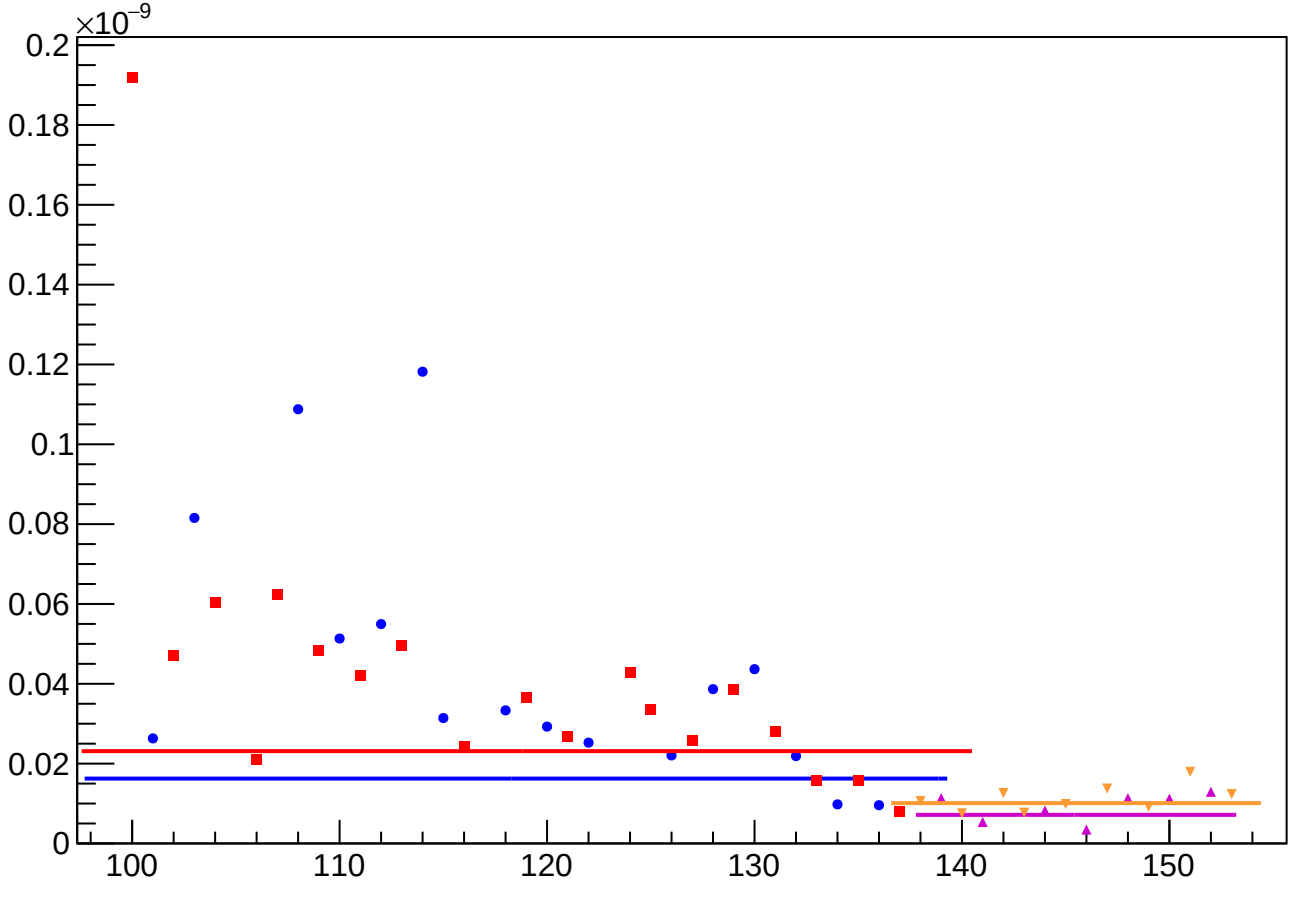
Left: -0.000+/-0.000 χ^2/NDF: 11.6/15

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: 0.000+/-0.000 χ^2/NDF:17.1/22

Out: 0.000+/-0.000 χ^2/NDF:26.8/27

All: 0.000+/-0.000 χ^2/NDF: 43.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 2286703.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:370644.6/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

Left In: 0.000+/-0.000 χ^2/NDF:741861.4/6

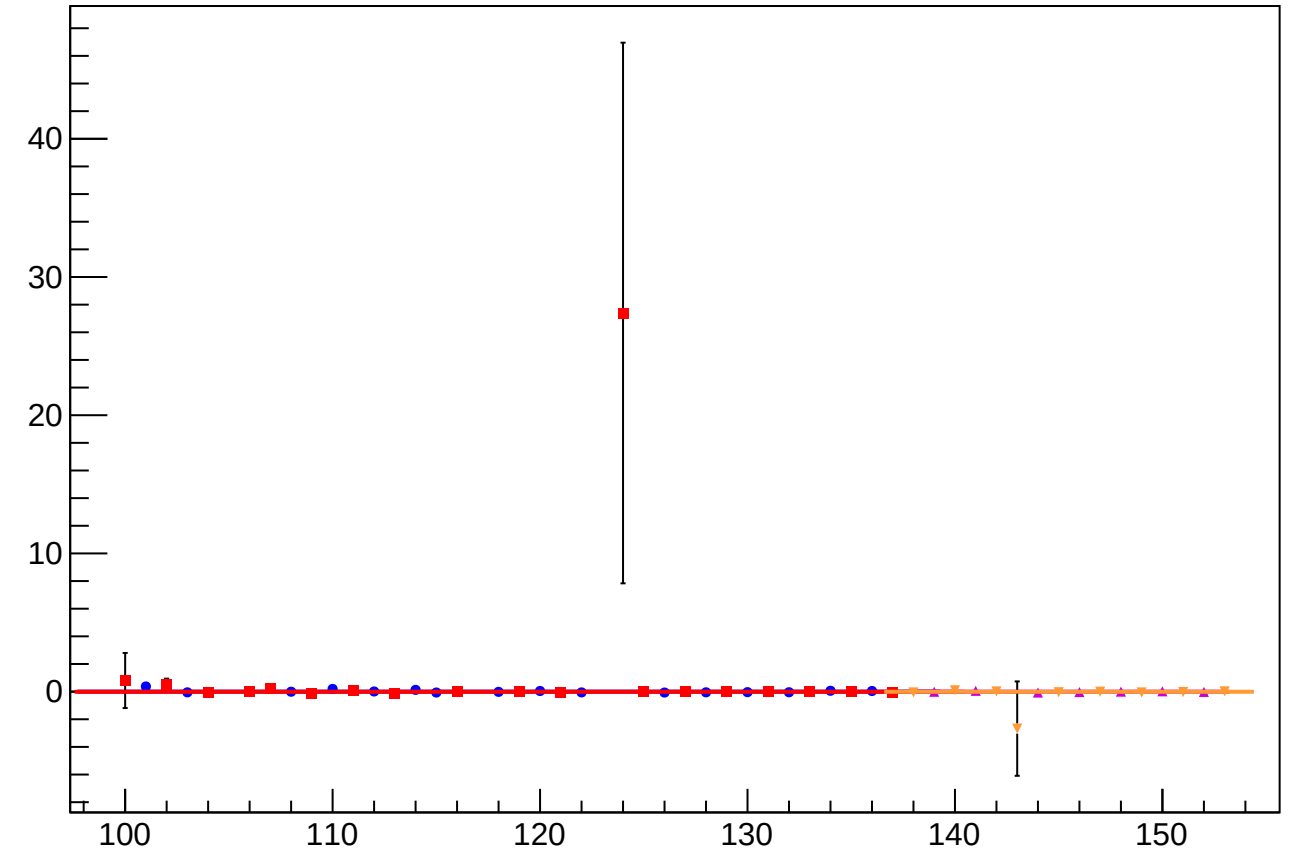
Left: 0.000+/-0.000 χ^2/NDF: 1363557.0/15

Right: 0.000+/-0.000 χ^2/NDF: 3942397.7/34

In: 0.000+/-0.000 χ^2/NDF:3998476.0/22

Out: 0.000+/-0.000 χ^2/NDF:2965057.1/27

All: 0.000+/-0.000 χ^2/NDF: 7300713.8/50



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.009+/-0.014 χ^2/NDF:12.6/8

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.004+/-0.015 χ^2/NDF:6.6/6

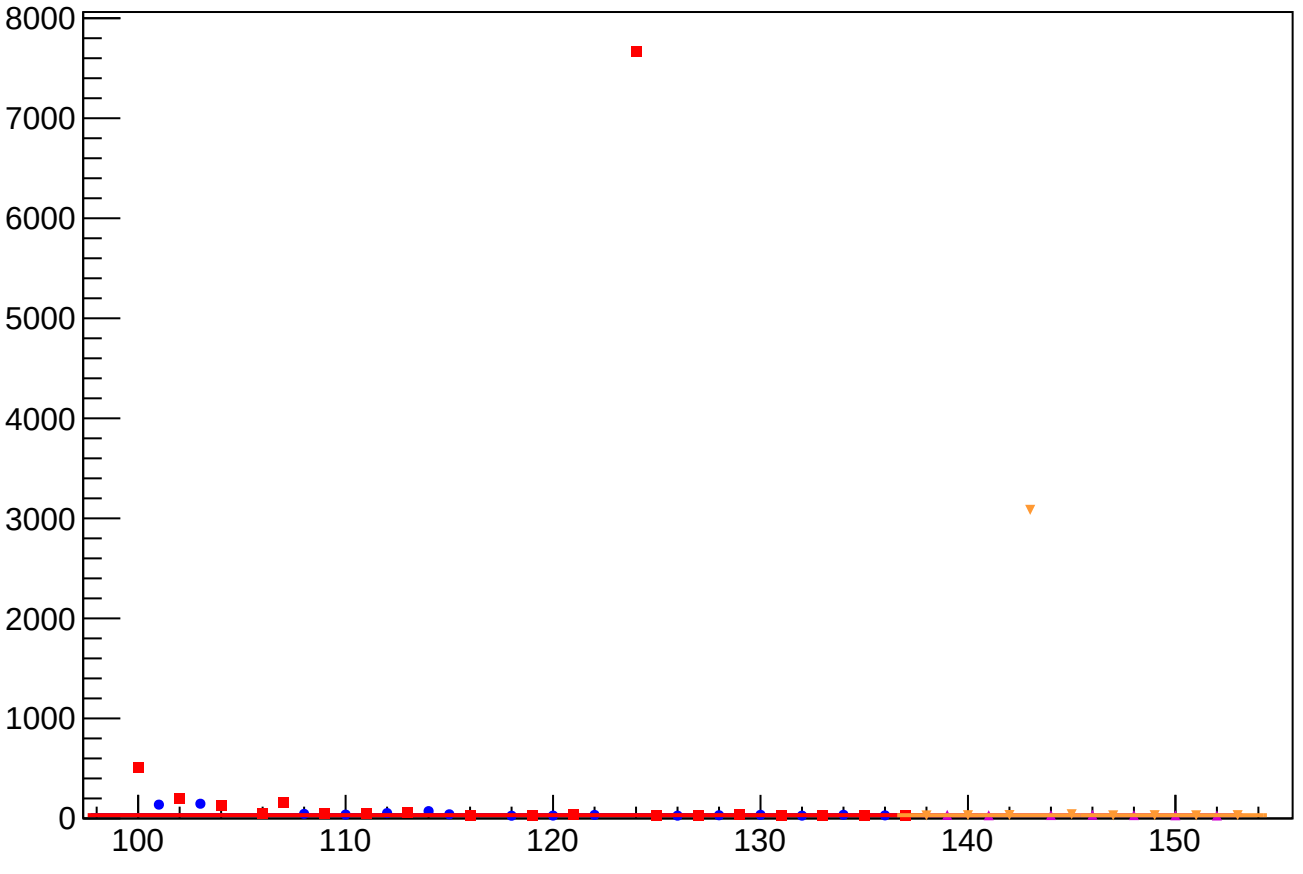
Left: -0.007+/-0.010 χ^2/NDF: 19.3/15

Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.001+/-0.010 χ^2/NDF:27.7/22

Out: -0.010+/-0.010 χ^2/NDF:26.9/27

All: -0.006+/-0.007 χ^2/NDF: 55.0/50



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.688+/-0.010 χ^2/NDF:1688737.9/8

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 33.337+/-0.010 χ^2/NDF:50773.2/6

Left: 33.003+/-0.007 χ^2/NDF: 1741553.2/15

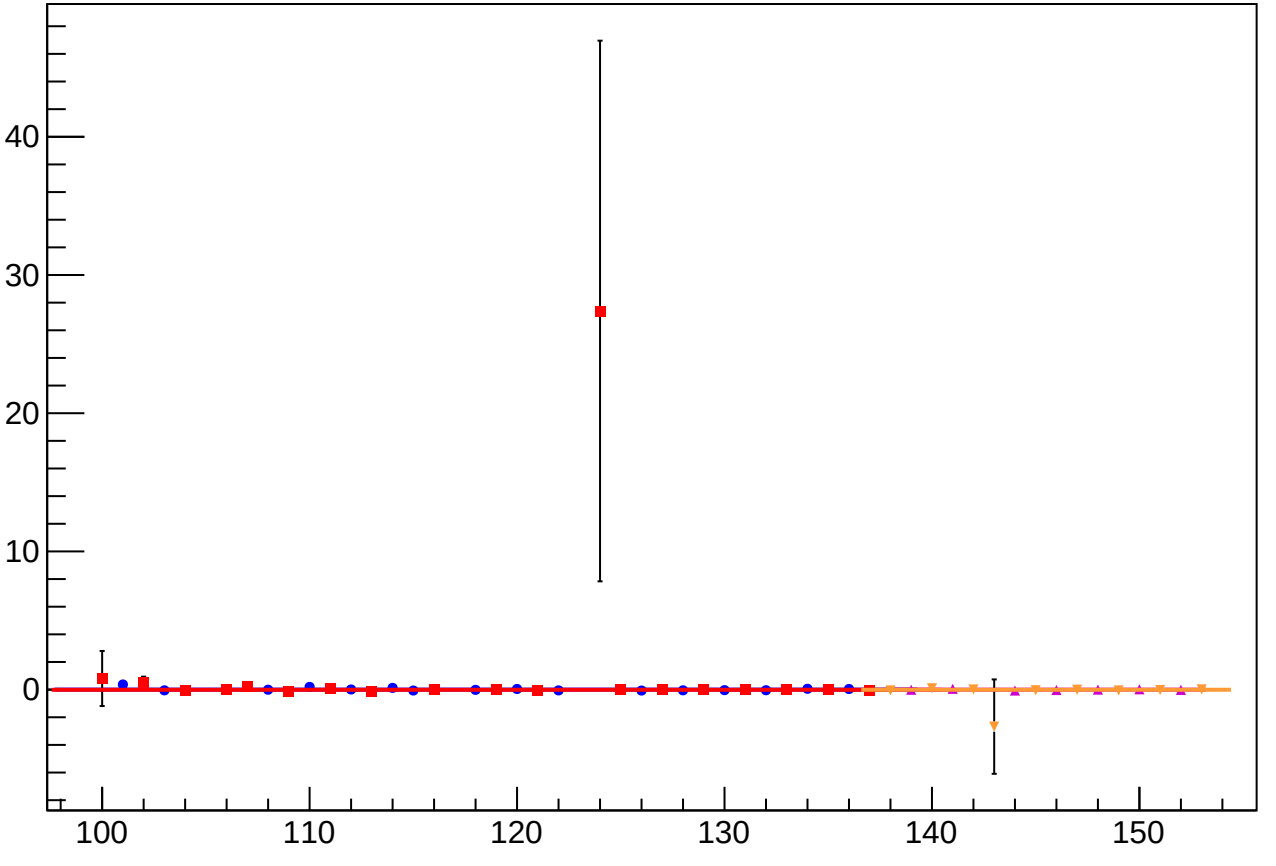
Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 33.691+/-0.007 χ^2/NDF:1770442.5/22

Out: 32.876+/-0.007 χ^2/NDF:3764605.1/27

All: 33.279+/-0.005 χ^2/NDF: 5541301.4/50

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.009+/-0.014 χ^2/NDF:12.6/8

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.004+/-0.015 χ^2/NDF:6.6/6

Left: -0.007+/-0.010 χ^2/NDF: 19.3/15

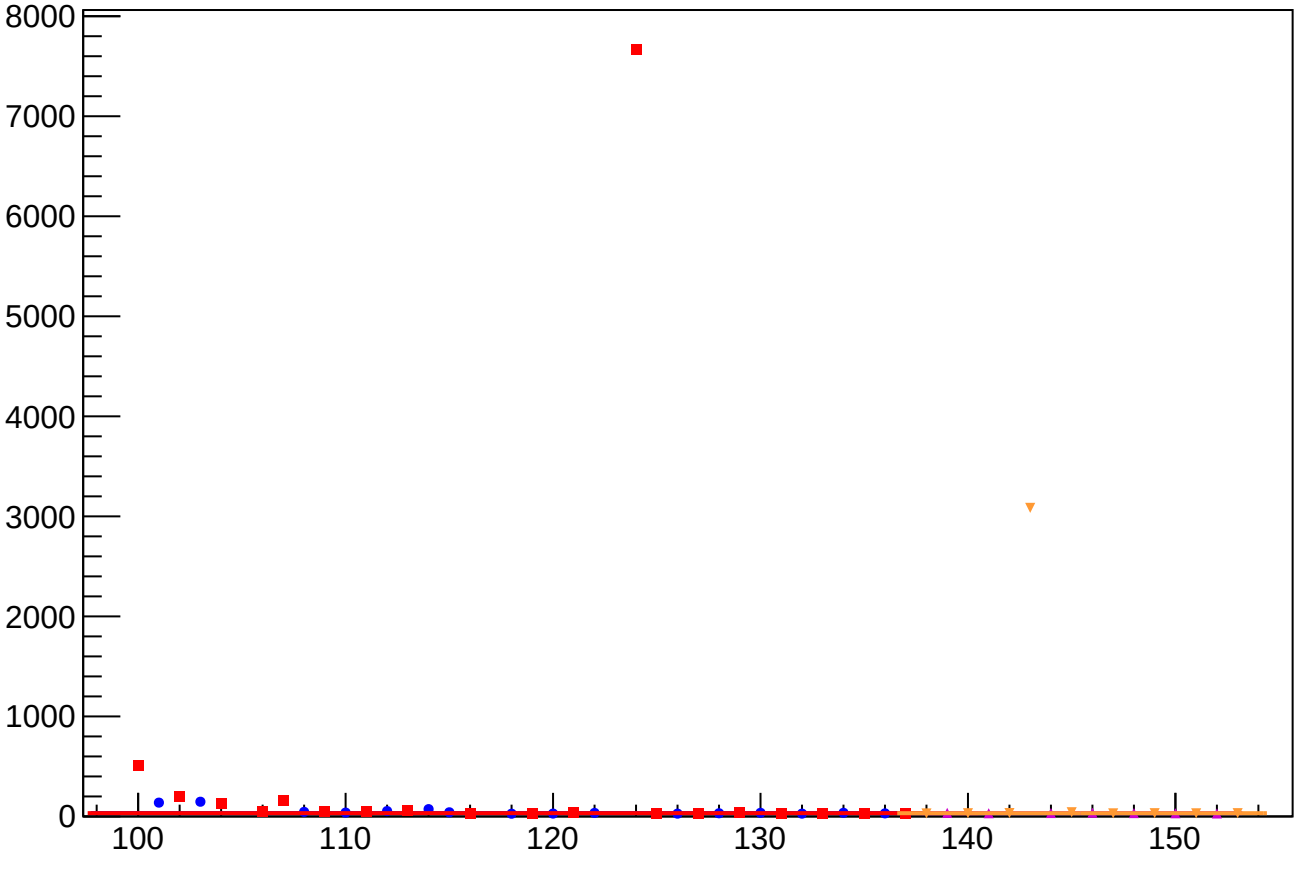
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.001+/-0.010 χ^2/NDF:27.7/22

Out: -0.010+/-0.010 χ^2/NDF:26.9/27

All: -0.006+/-0.007 χ^2/NDF: 55.0/50

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.688+/-0.010 χ^2/NDF:1688737.9/8

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 33.337+/-0.010 χ^2/NDF:50773.2/6

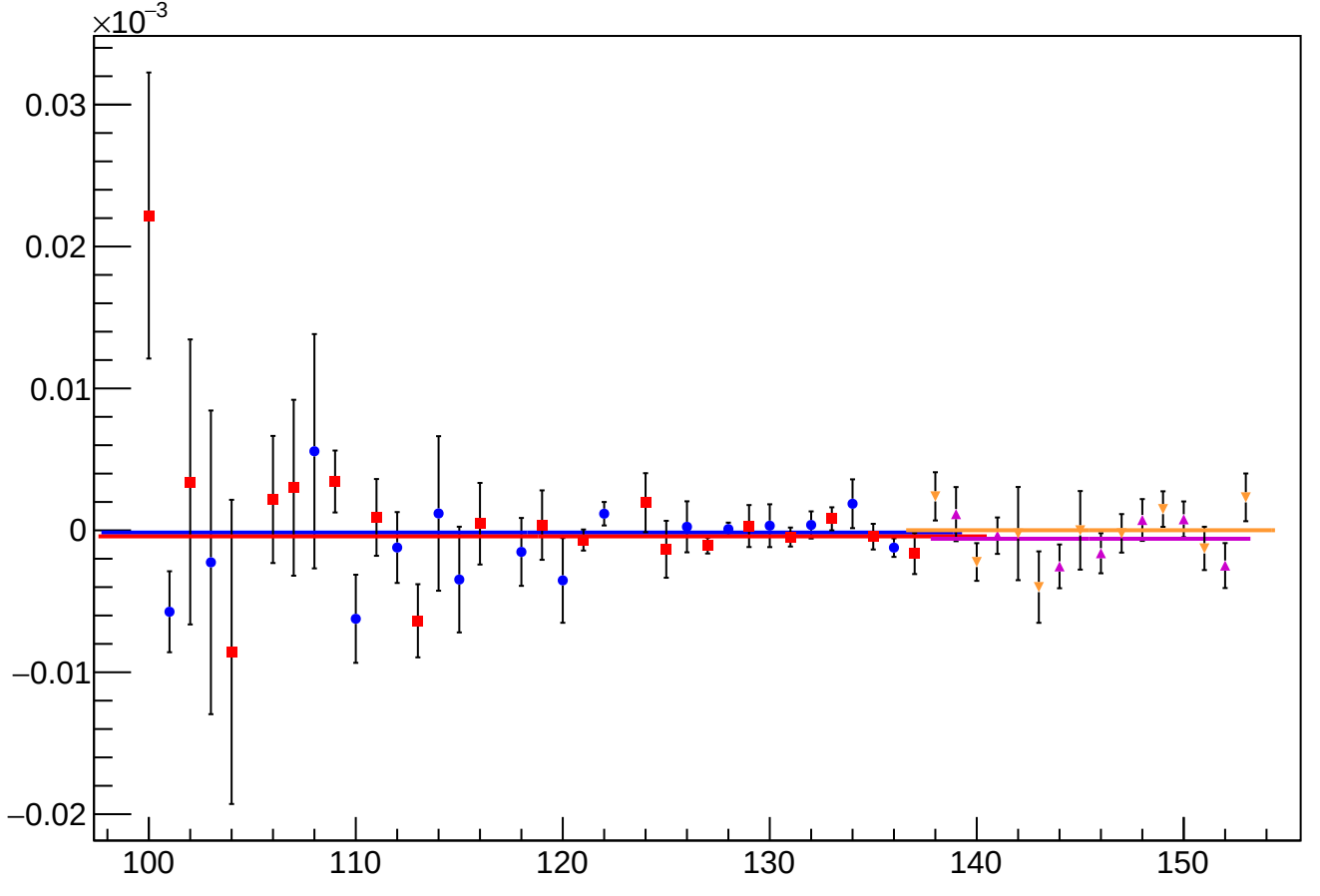
Left: 33.003+/-0.007 χ^2/NDF: 1741553.2/15

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 33.691+/-0.007 χ^2/NDF:1770442.5/22

Out: 32.876+/-0.007 χ^2/NDF:3764605.1/27

All: 33.279+/-0.005 χ^2/NDF: 5541301.4/50



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.4/8

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: -0.000+/-0.000 χ^2/NDF:6.4/6

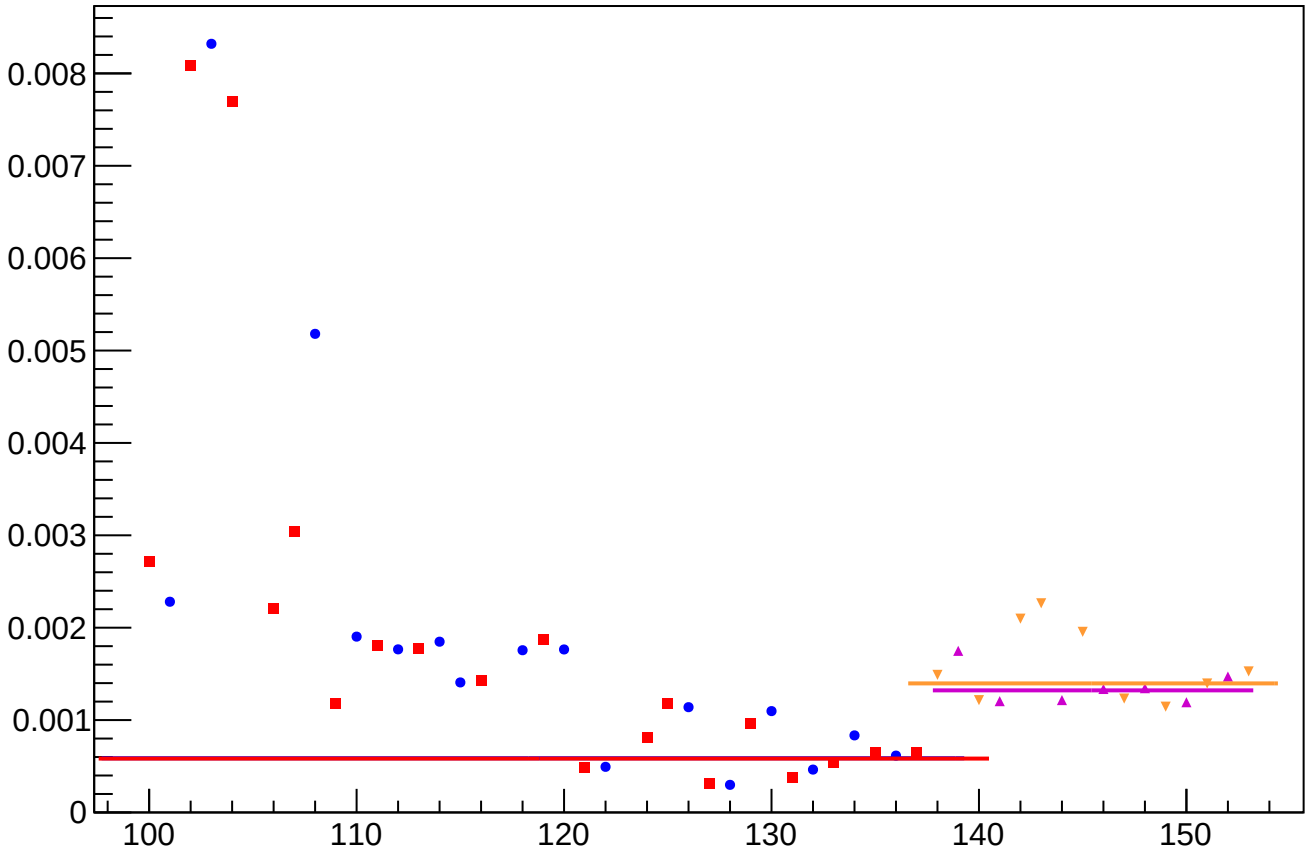
Left: -0.000+/-0.000 χ^2/NDF: 18.4/15

Right: -0.000+/-0.000 χ^2/NDF: 40.2/34

In: -0.000+/-0.000 χ^2/NDF:25.0/22

Out: -0.000+/-0.000 χ^2/NDF:33.5/27

All: -0.000+/-0.000 χ^2/NDF: 58.5/50



Right In: 0.001+/-0.000 χ^2/NDF: 5485949.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:574963.5/8

Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.001+/-0.000 χ^2/NDF:165906.5/6

Left: 0.001+/-0.000 χ^2/NDF: 759469.4/15

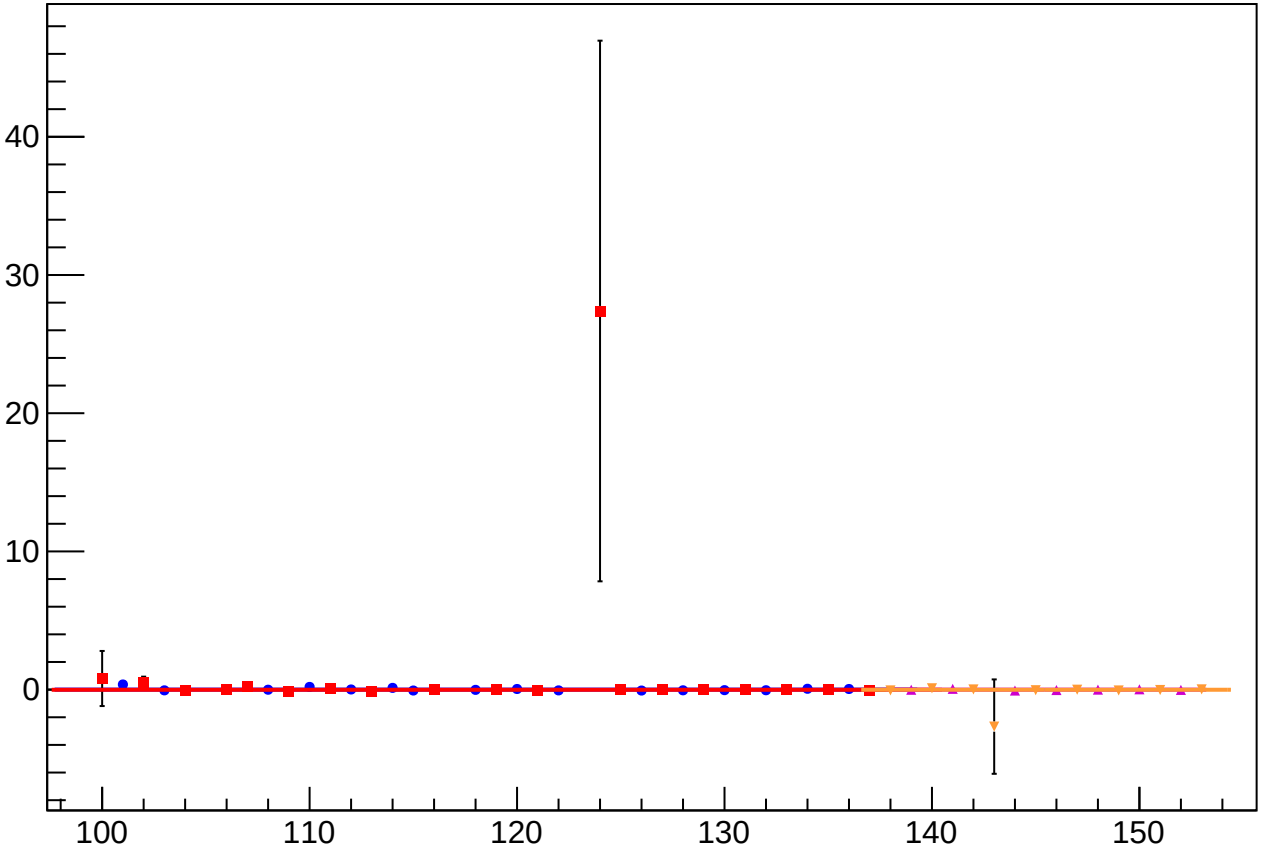
Right: 0.001+/-0.000 χ^2/NDF: 10917885.2/34

In: 0.001+/-0.000 χ^2/NDF:8421960.3/22

Out: 0.001+/-0.000 χ^2/NDF:9418973.0/27

All: 0.001+/-0.000 χ^2/NDF: 17841189.9/50

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.009+/-0.014 χ^2/NDF:12.6/8

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.004+/-0.015 χ^2/NDF:6.6/6

Left: -0.007+/-0.010 χ^2/NDF: 19.3/15

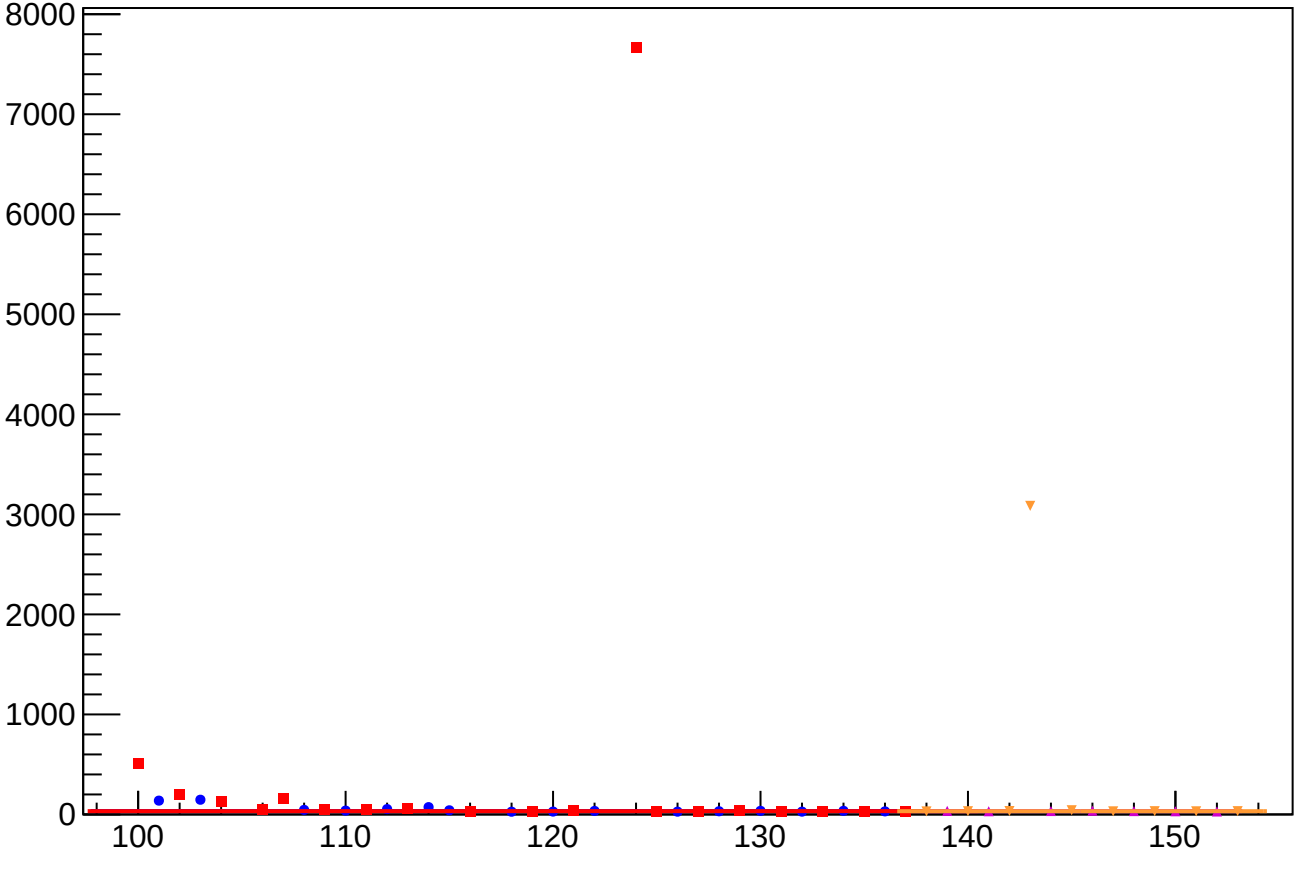
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.001+/-0.010 χ^2/NDF:27.7/22

Out: -0.010+/-0.010 χ^2/NDF:26.9/27

All: -0.006+/-0.007 χ^2/NDF: 55.0/50

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 32.688+/-0.010 χ^2/NDF:1688738.3/8

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 33.337+/-0.010 χ^2/NDF:50775.6/6

Left: 33.003+/-0.007 χ^2/NDF: 1741556.8/15

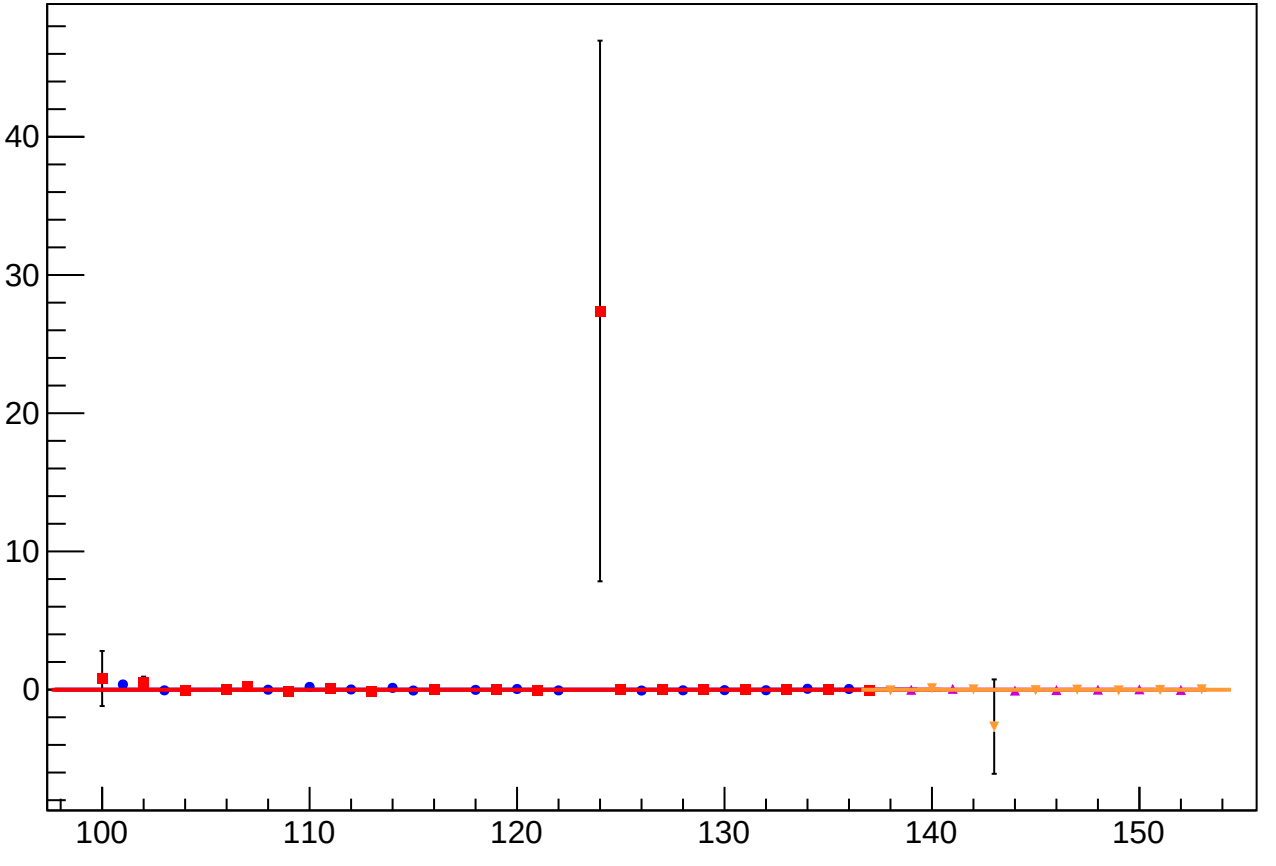
Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 33.691+/-0.007 χ^2/NDF:1770433.3/22

Out: 32.876+/-0.007 χ^2/NDF:3764586.8/27

All: 33.279+/-0.005 χ^2/NDF: 5541275.8/50

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: -0.009+/-0.014 χ^2/NDF:12.6/8

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.004+/-0.015 χ^2/NDF:6.6/6

Left: -0.007+/-0.010 χ^2/NDF: 19.3/15

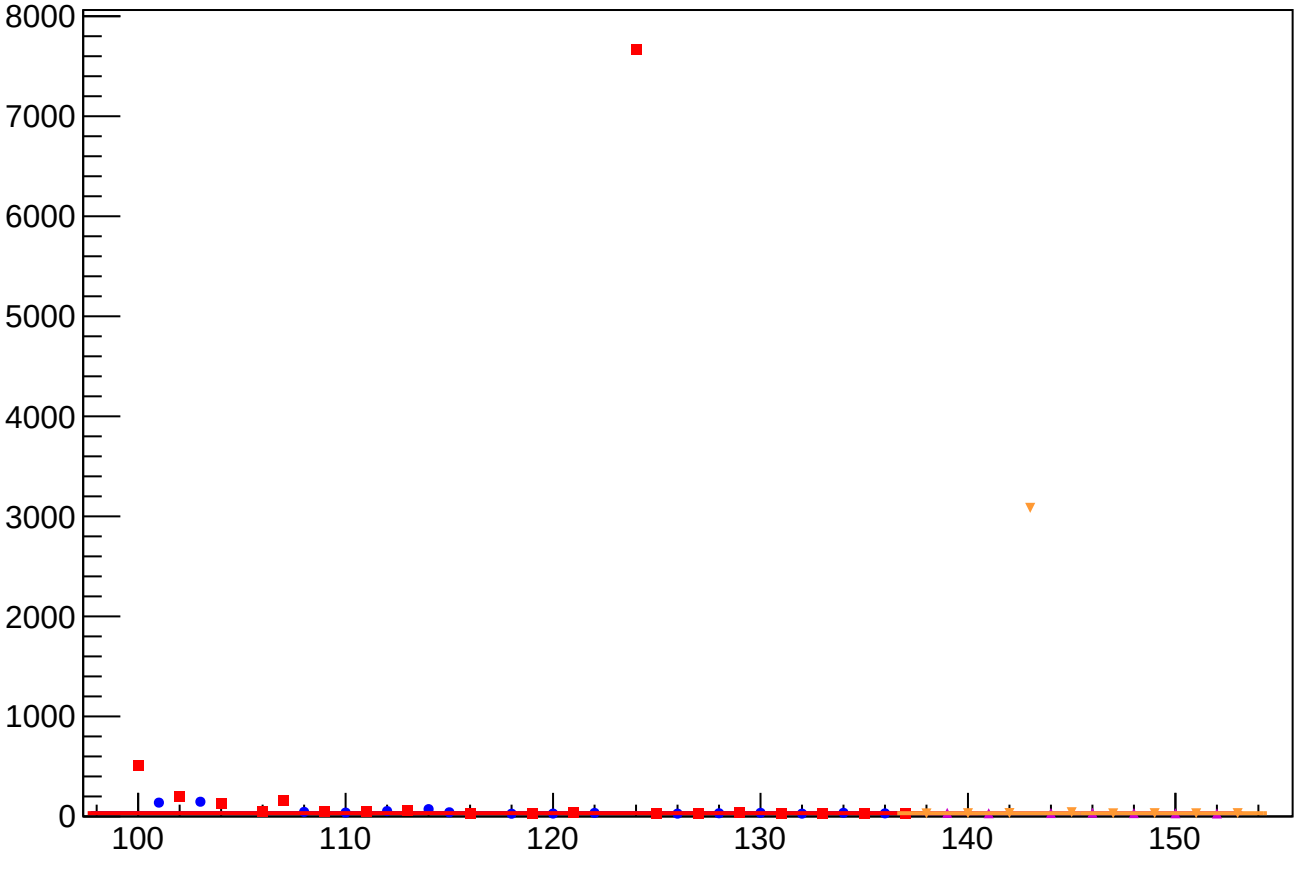
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.001+/-0.010 χ^2/NDF:27.7/22

Out: -0.010+/-0.010 χ^2/NDF:26.9/27

All: -0.006+/-0.007 χ^2/NDF: 55.0/50

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 32.688+/-0.010 χ^2/NDF:1688738.3/8

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 33.337+/-0.010 χ^2/NDF:50775.6/6

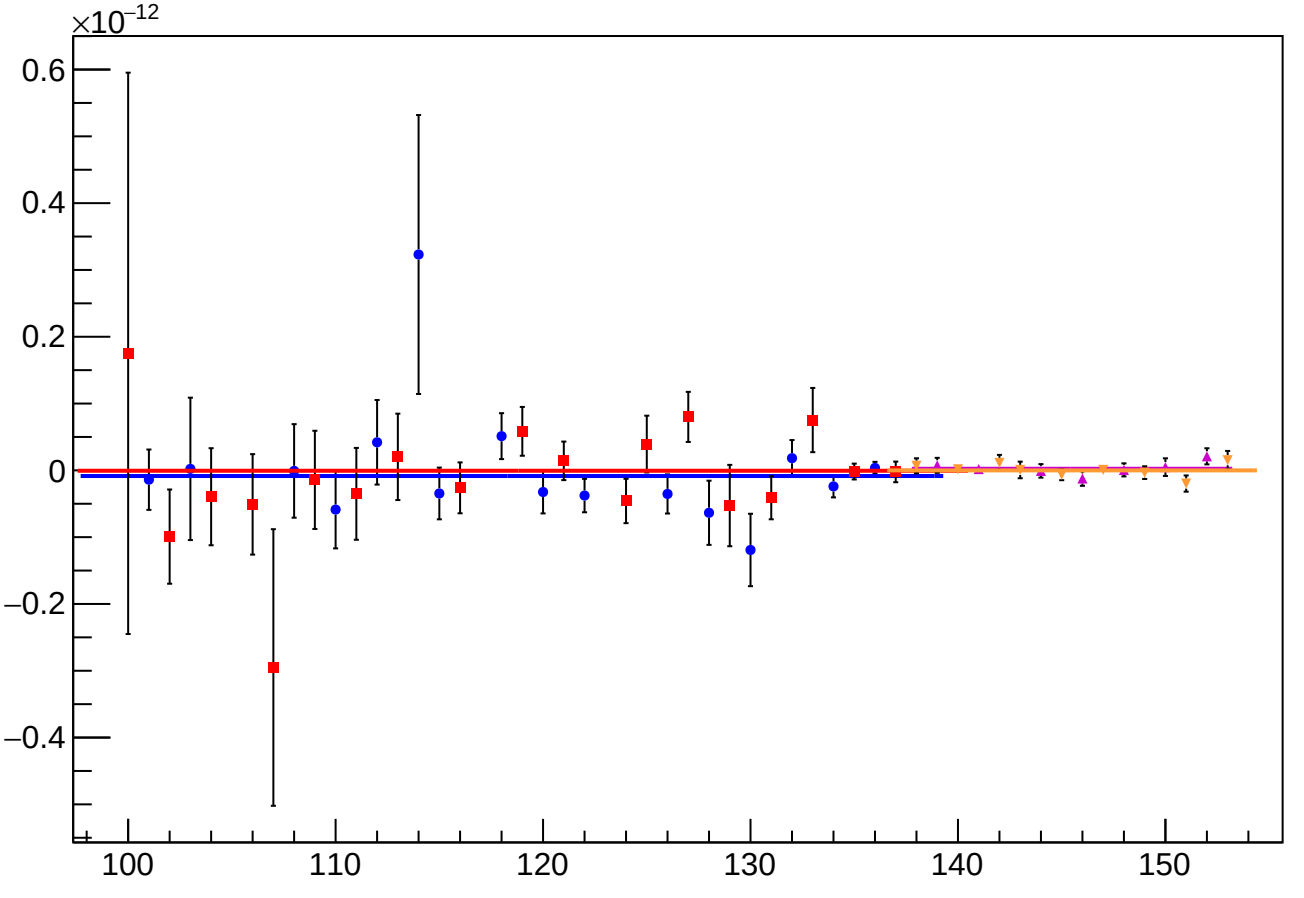
Left: 33.003+/-0.007 χ^2/NDF: 1741556.8/15

Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 33.691+/-0.007 χ^2/NDF:1770433.3/22

Out: 32.876+/-0.007 χ^2/NDF:3764586.8/27

All: 33.279+/-0.005 χ^2/NDF: 5541275.8/50



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.9/8

Right Out: -0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: 0.000+/-0.000 χ^2/NDF:4.5/6

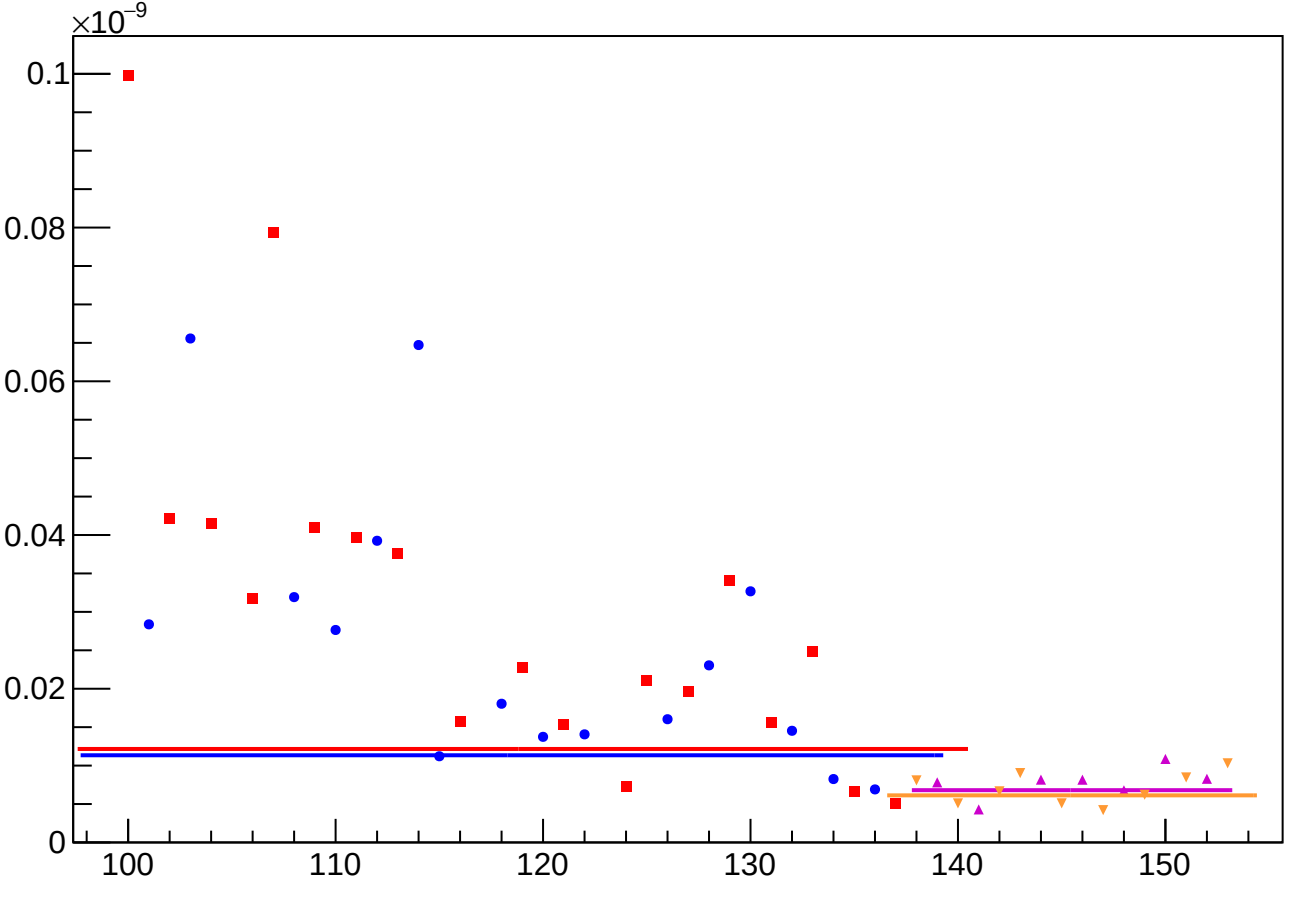
Left: 0.000+/-0.000 χ^2/NDF: 10.7/15

Right: -0.000+/-0.000 χ^2/NDF: 40.7/34

In: -0.000+/-0.000 χ^2/NDF:26.0/22

Out: -0.000+/-0.000 χ^2/NDF:26.7/27

All: -0.000+/-0.000 χ^2/NDF: 52.7/50



Right In: 0.000+/-0.000 χ^2/NDF: 2813598.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:647489.5/8

Right Out: 0.000+/-0.000 χ^2/NDF: 3757412.0/18

Left In: 0.000+/-0.000 χ^2/NDF:634710.1/6

Left: 0.000+/-0.000 χ^2/NDF: 1321594.2/15

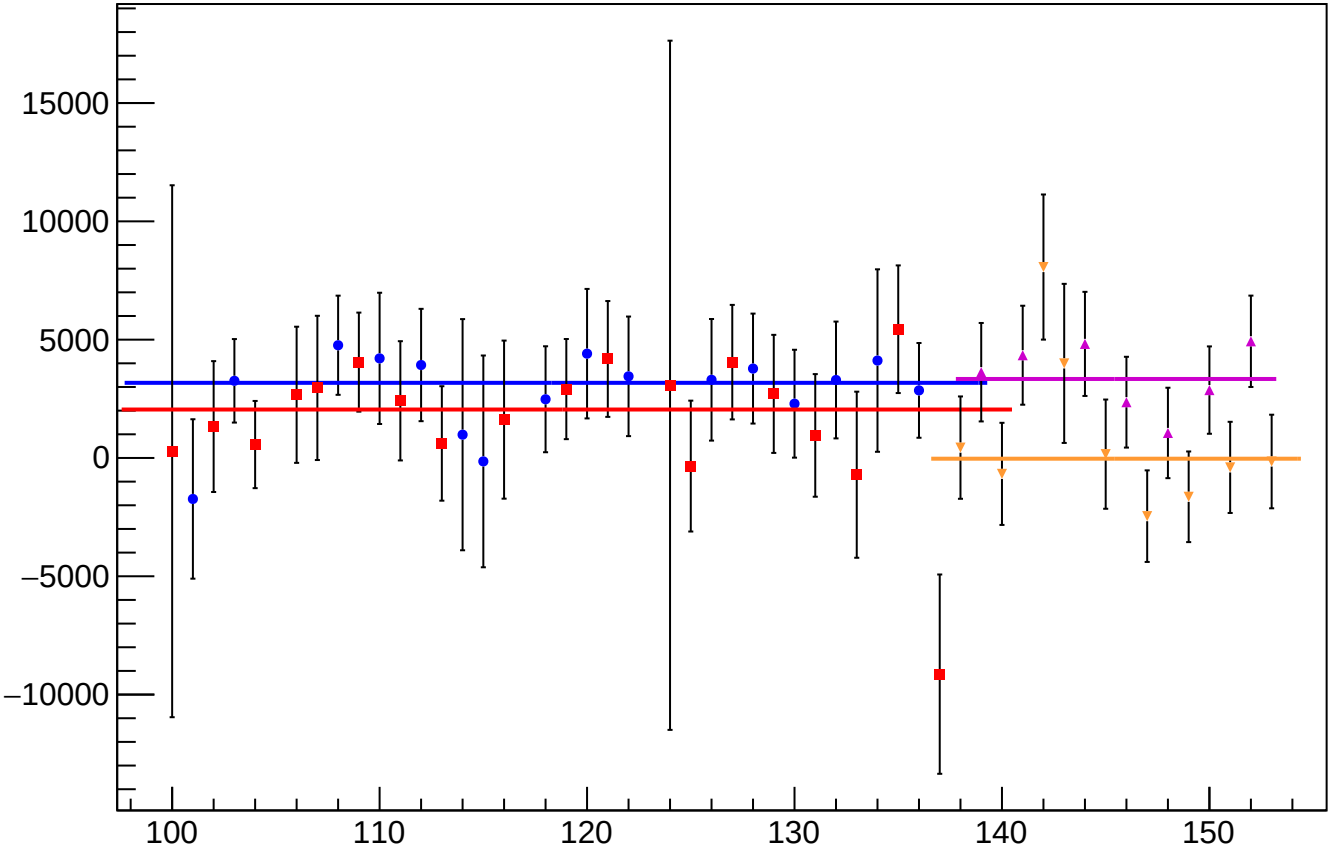
Right: 0.000+/-0.000 χ^2/NDF: 6585389.8/34

In: 0.000+/-0.000 χ^2/NDF:4209268.2/22

Out: 0.000+/-0.000 χ^2/NDF:5572210.2/27

All: 0.000+/-0.000 χ^2/NDF: 9857578.3/50

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: -31.349+/-730.152 χ^2/NDF:10.9/8

Right Out: 2047.403+/-621.498 χ^2/NDF: 14.0/18

Left In: 3338.418+/-750.942 χ^2/NDF:3.1/6

Left: 1606.244+/-523.491 χ^2/NDF: 24.4/15

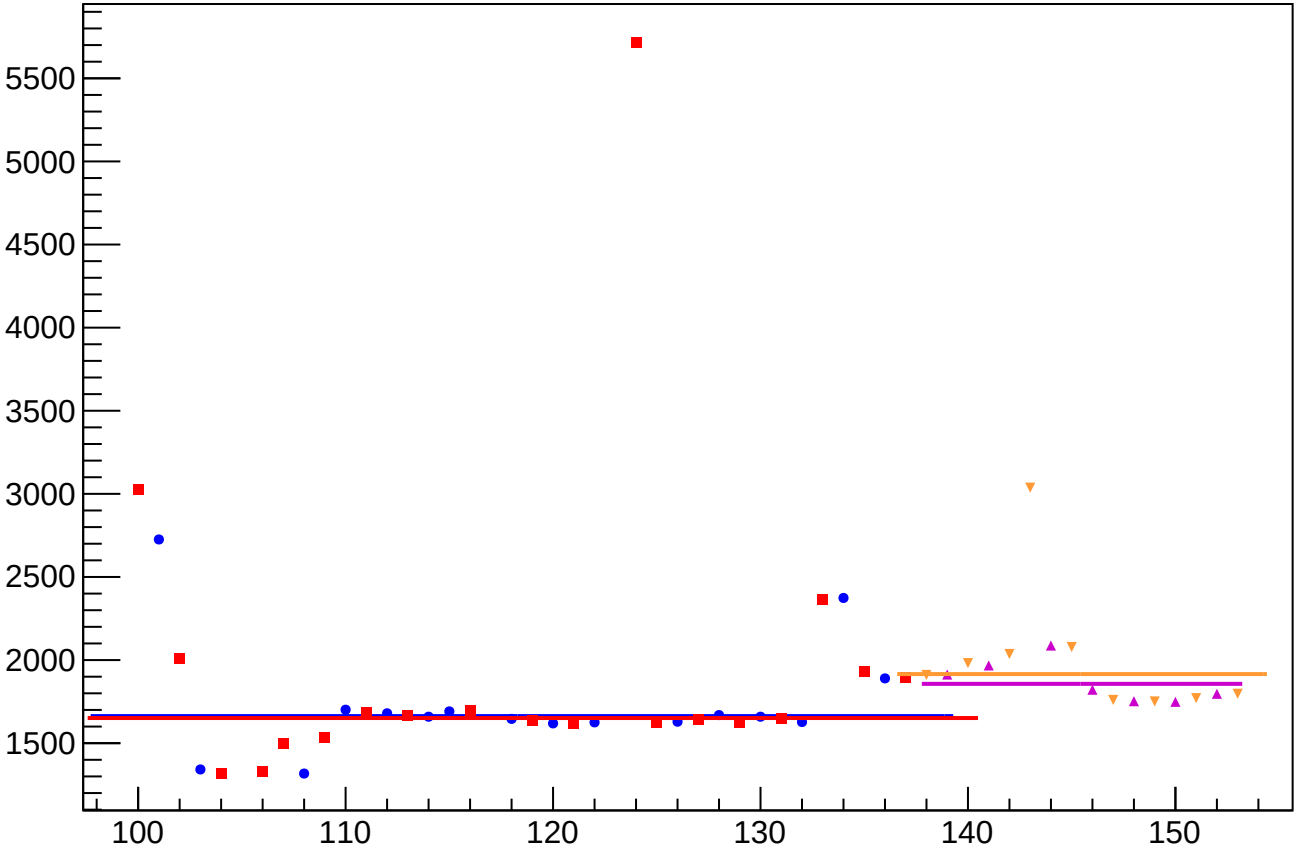
Right: 2605.638+/-441.744 χ^2/NDF: 20.0/34

In: 3242.605+/-481.740 χ^2/NDF:7.5/22

Out: 1174.057+/-473.266 χ^2/NDF:29.6/27

All: 2189.979+/-337.606 χ^2/NDF: 46.5/50

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 1915.744+/-0.516 χ^2/NDF:283665.9/8

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

Left In: 1856.962+/-0.531 χ^2/NDF:44368.1/6

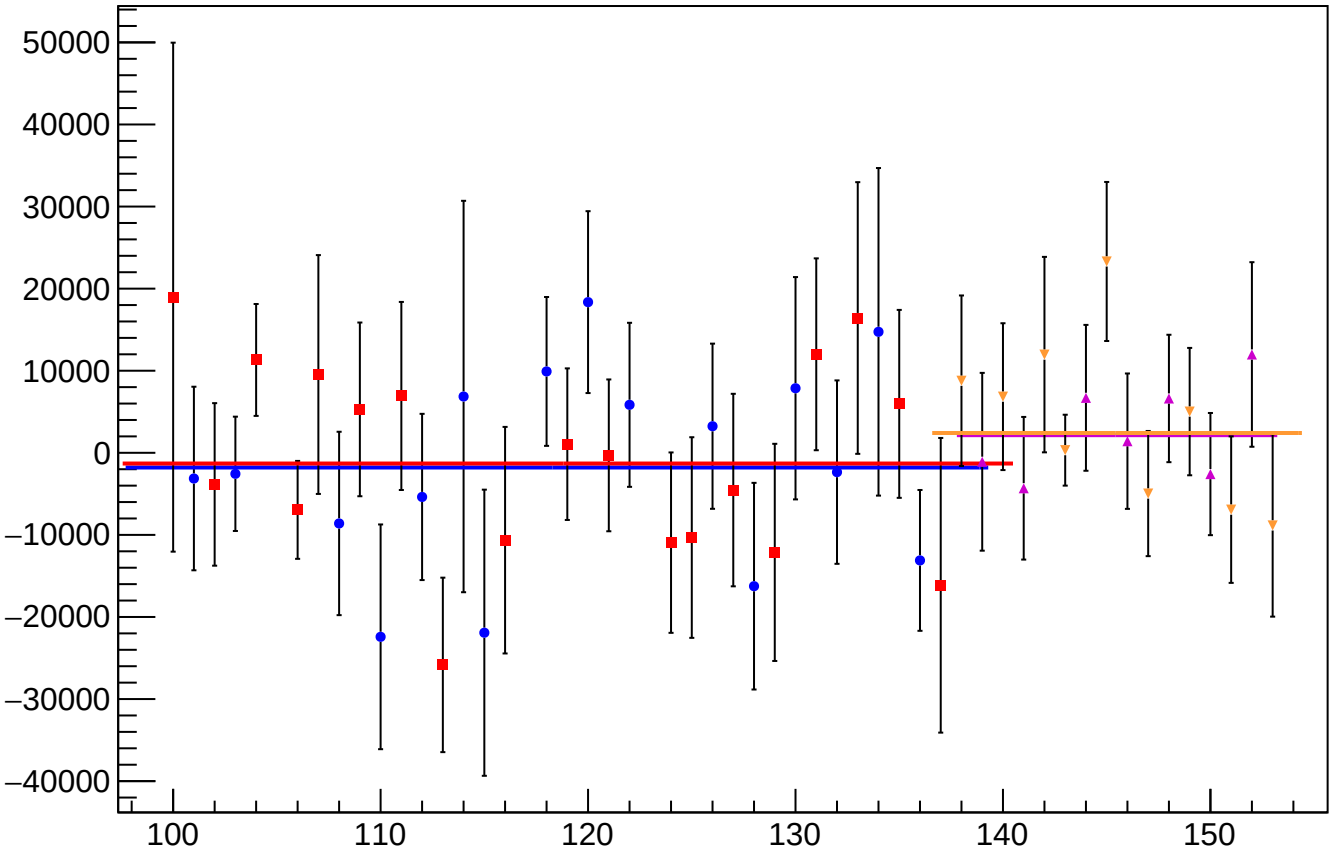
Left: 1887.178+/-0.370 χ^2/NDF: 334333.4/15

Right: 1657.052+/-0.312 χ^2/NDF: 847939.4/34

In: 1742.765+/-0.341 χ^2/NDF:538596.5/22

Out: 1762.413+/-0.335 χ^2/NDF:867731.8/27

All: 1752.764+/-0.239 χ^2/NDF: 1408021.4/50



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: 2413.522+/-2603.266 χ^2/NDF:9.3/8

Right Out: -1306.311+/-2430.063 χ^2/NDF: 17.7/18

Left In: 2149.099+/-3302.206 χ^2/NDF:2.4/6

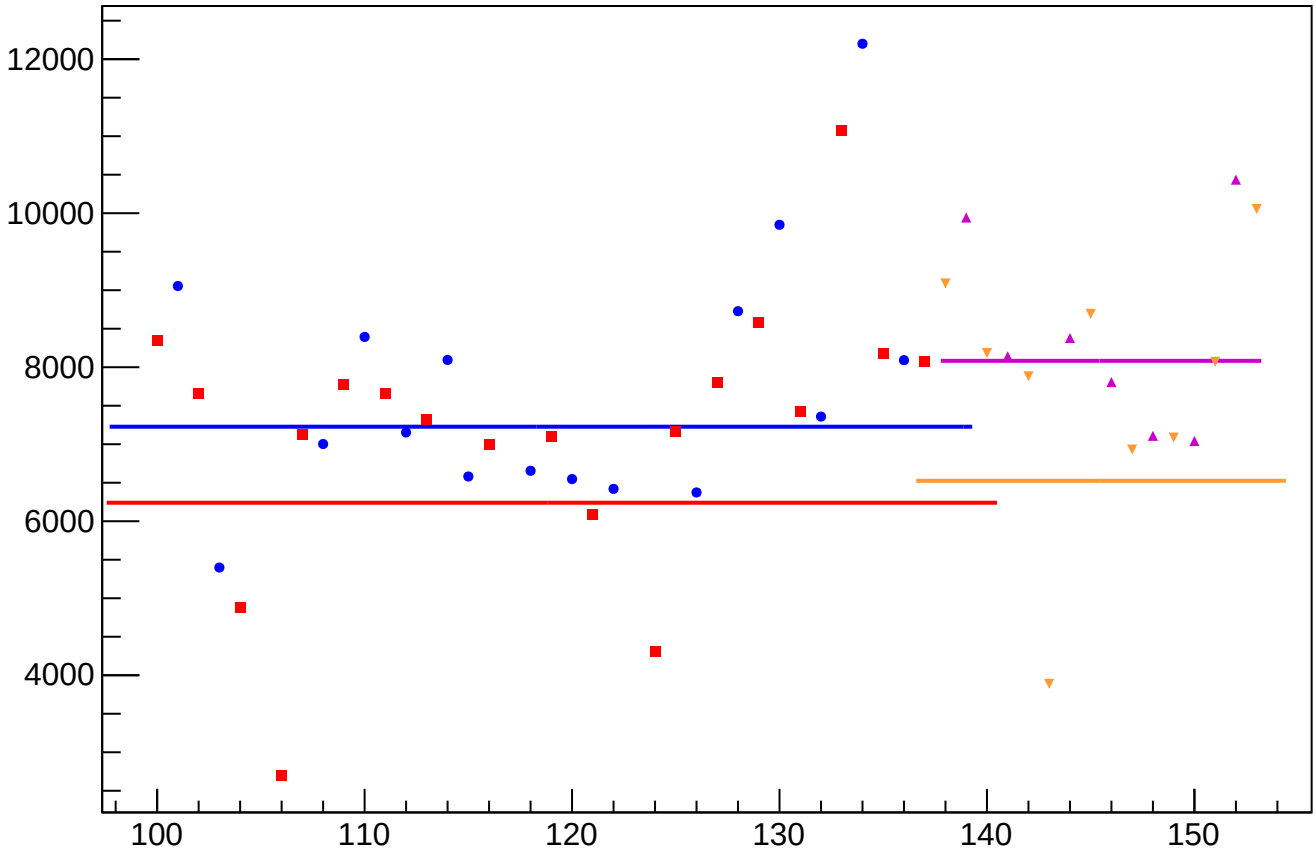
Left: 2312.174+/-2044.384 χ^2/NDF: 11.7/15

Right: -1519.402+/-1819.116 χ^2/NDF: 32.1/34

In: -181.923+/-2110.287 χ^2/NDF:17.6/22

Out: 425.754+/-1776.392 χ^2/NDF:28.1/27

All: 173.737+/-1359.002 χ^2/NDF: 45.8/50



Right In: 7227.590+/-1.940 χ^2/NDF: 503260.9/15

Left Out: 6525.281+/-1.841 χ^2/NDF:1339958.8/8

Right Out: 6240.557+/-1.718 χ^2/NDF: 1399077.4/18

Left In: 8082.957+/-2.335 χ^2/NDF:221828.1/6

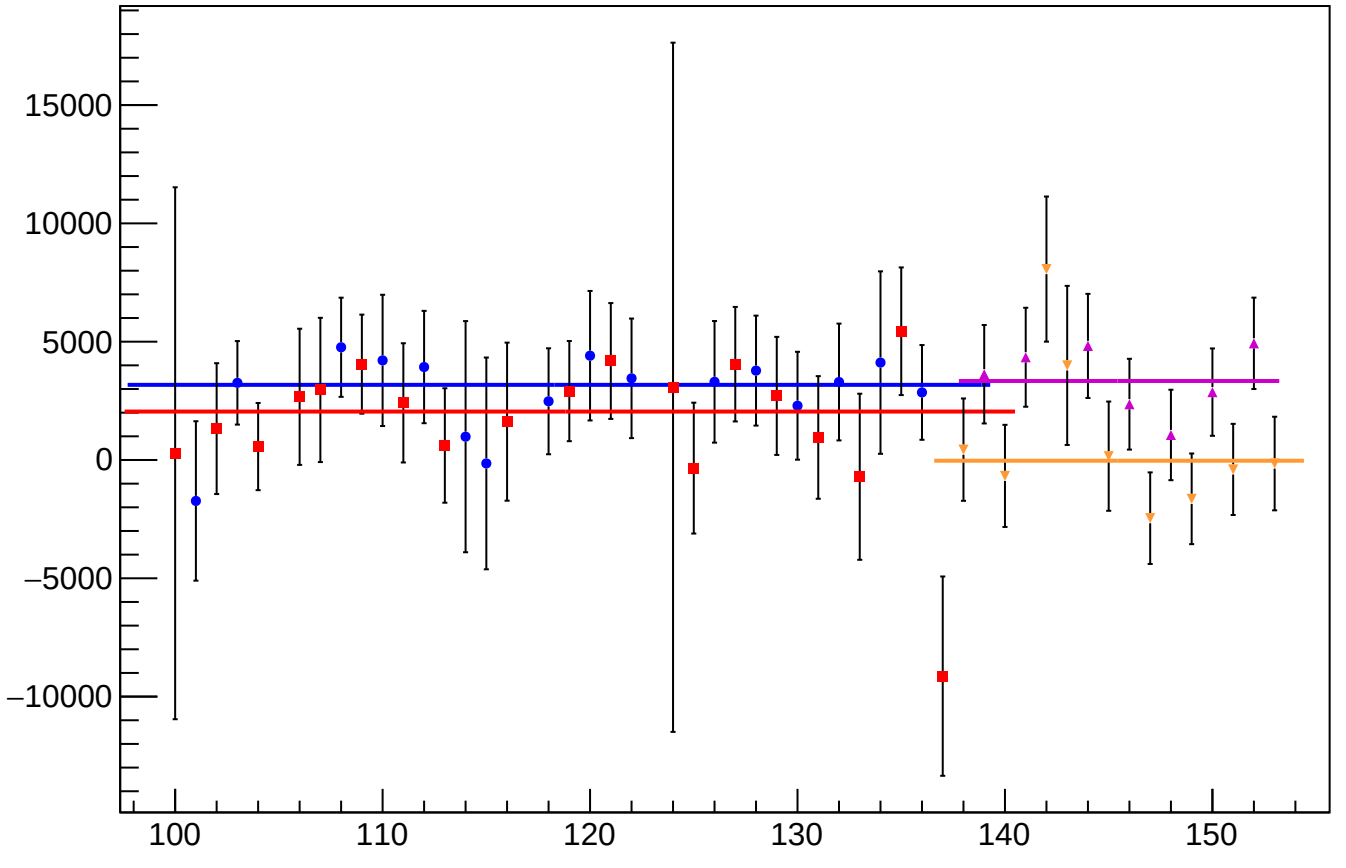
Left: 7122.308+/-1.446 χ^2/NDF: 1836237.4/15

Right: 6674.473+/-1.286 χ^2/NDF: 2047393.1/34

In: 7576.913+/-1.492 χ^2/NDF:804478.4/22

Out: 6373.133+/-1.256 χ^2/NDF:2751820.8/27

All: 6872.367+/-0.961 χ^2/NDF: 3937192.9/50



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: -31.400+/-730.152 χ^2/NDF:10.9/8

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3338.570+/-750.942 χ^2/NDF:3.1/6

Left: 1606.292+/-523.491 χ^2/NDF: 24.4/15

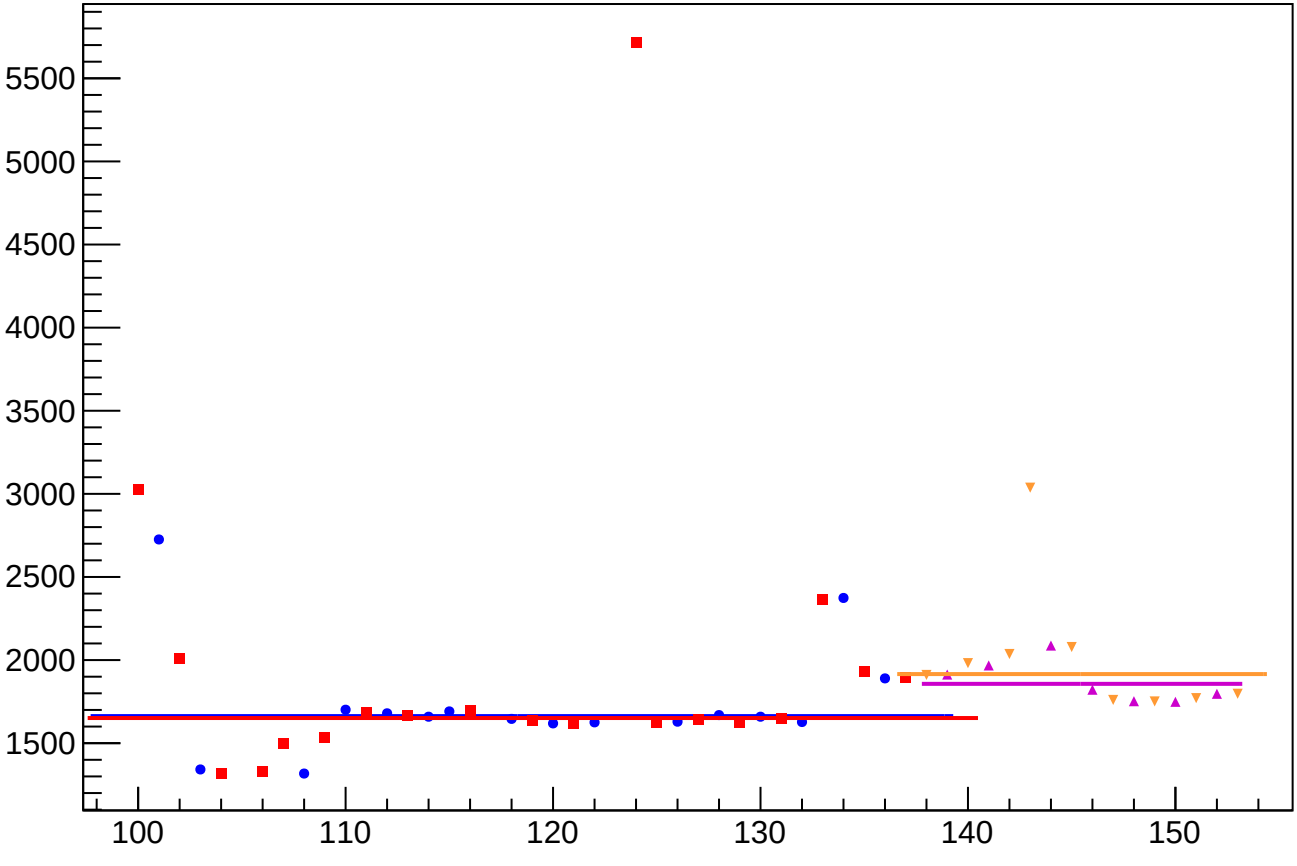
Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3242.721+/-481.740 χ^2/NDF:7.5/22

Out: 1173.923+/-473.266 χ^2/NDF:29.6/27

All: 2189.967+/-337.606 χ^2/NDF: 46.5/50

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1915.745+/-0.516 χ^2/NDF:283665.9/8

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1856.962+/-0.531 χ^2/NDF:44368.1/6

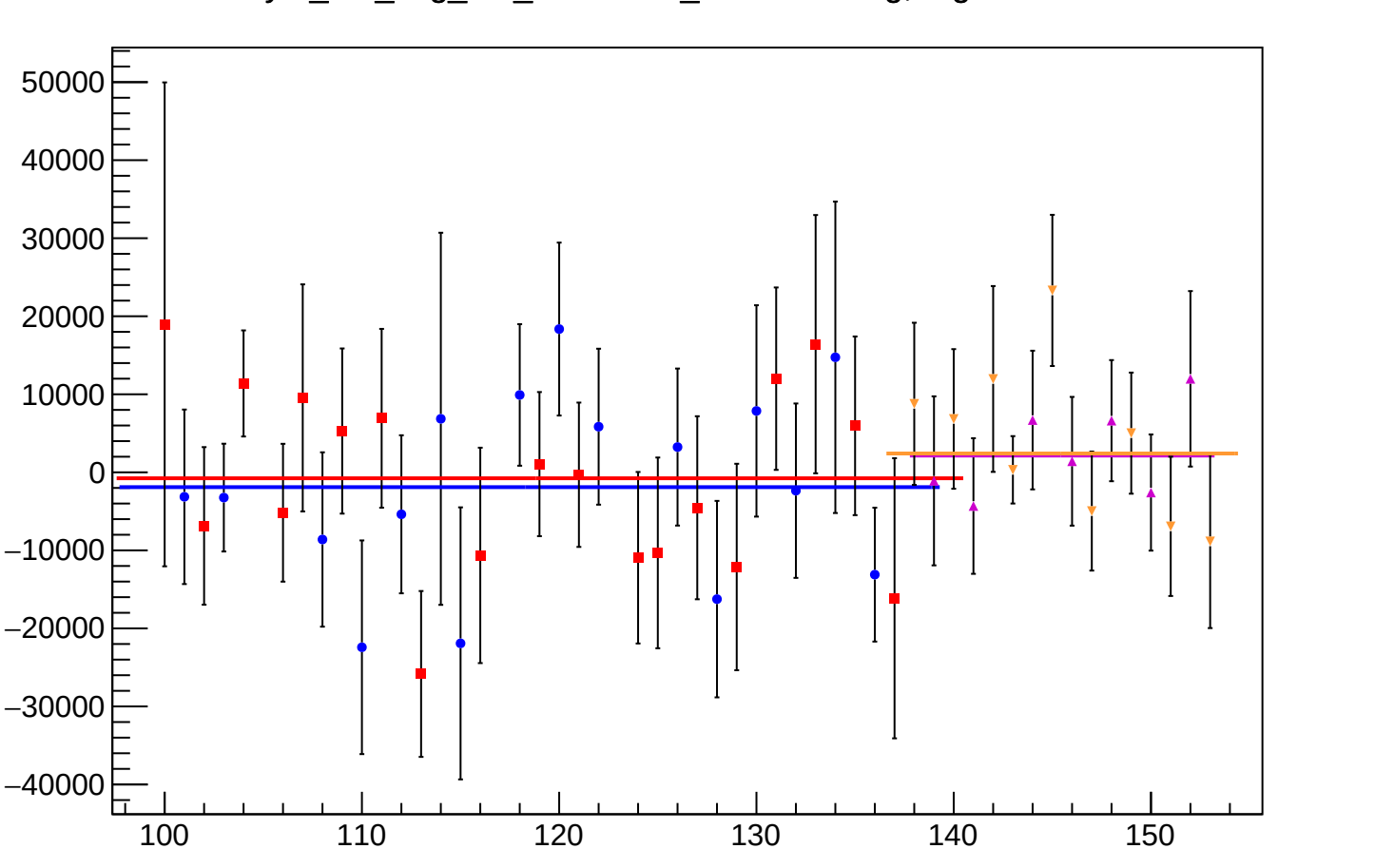
Left: 1887.178+/-0.370 χ^2/NDF: 334333.4/15

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1742.765+/-0.341 χ^2/NDF:538597.0/22

Out: 1762.413+/-0.335 χ^2/NDF:867732.1/27

All: 1752.764+/-0.239 χ^2/NDF: 1408022.1/50



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 2413.423+/-2603.254 χ^2/NDF:9.3/8

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: 2149.205+/-3302.204 χ^2/NDF:2.4/6

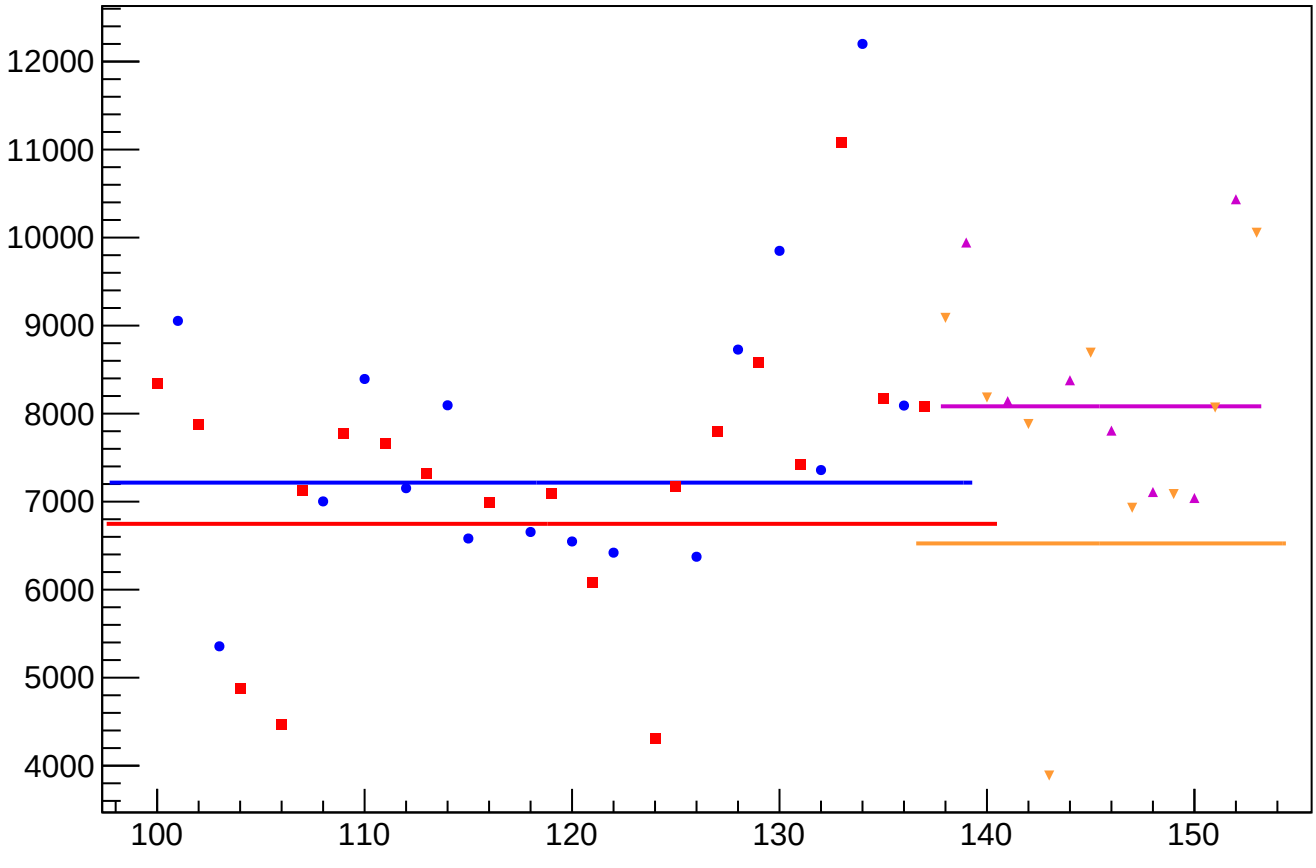
Left: 2312.154+/-2044.378 χ^2/NDF: 11.7/15

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: -249.034+/-2108.618 χ^2/NDF:17.7/22

Out: 792.603+/-1821.638 χ^2/NDF:27.4/27

All: 347.439+/-1378.477 χ^2/NDF: 45.2/50



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 6525.243+/-1.841 χ^2/NDF:1339996.4/8

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8082.952+/-2.335 χ^2/NDF:221829.8/6

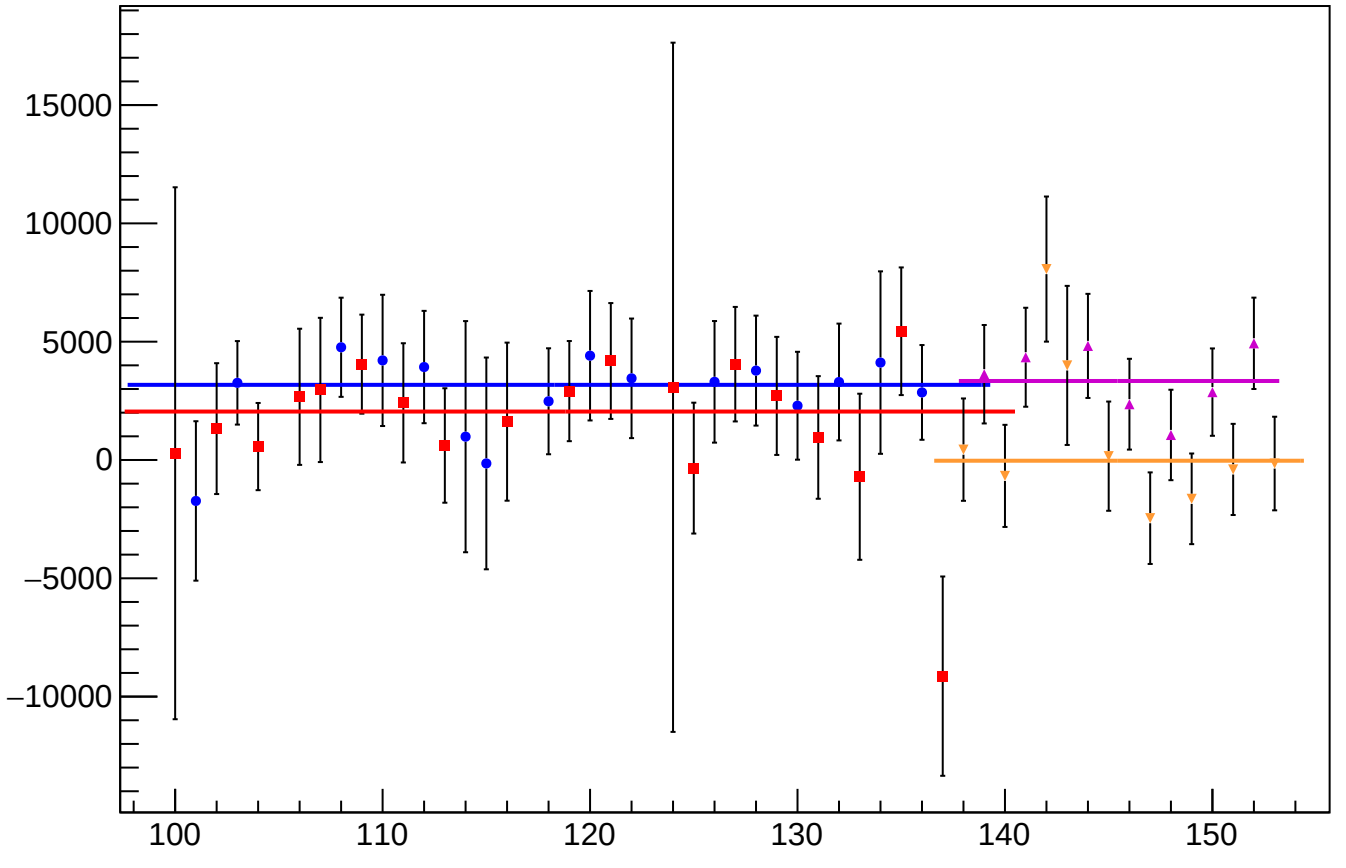
Left: 7122.279+/-1.446 χ^2/NDF: 1836289.2/15

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 7569.512+/-1.491 χ^2/NDF:815594.0/22

Out: 6638.791+/-1.288 χ^2/NDF:2056245.5/27

All: 7036.552+/-0.975 χ^2/NDF: 3094964.4/50



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: -31.400+/-730.152 χ^2/NDF:10.9/8

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3338.570+/-750.942 χ^2/NDF:3.1/6

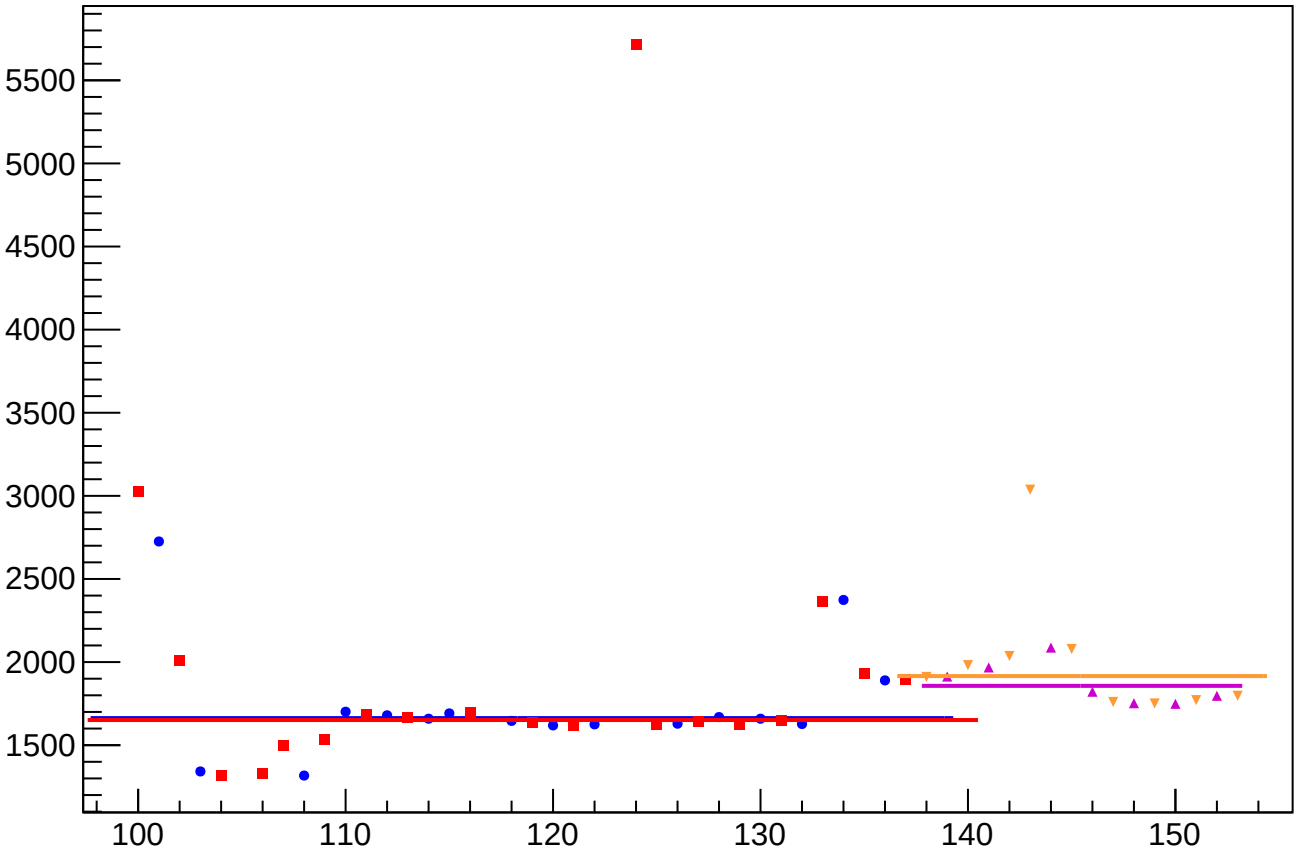
Left: 1606.292+/-523.491 χ^2/NDF: 24.4/15

Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3242.721+/-481.740 χ^2/NDF:7.5/22

Out: 1173.923+/-473.266 χ^2/NDF:29.6/27

All: 2189.967+/-337.606 χ^2/NDF: 46.5/50



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1915.745+/-0.516 χ^2/NDF:283665.9/8

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1856.962+/-0.531 χ^2/NDF:44368.1/6

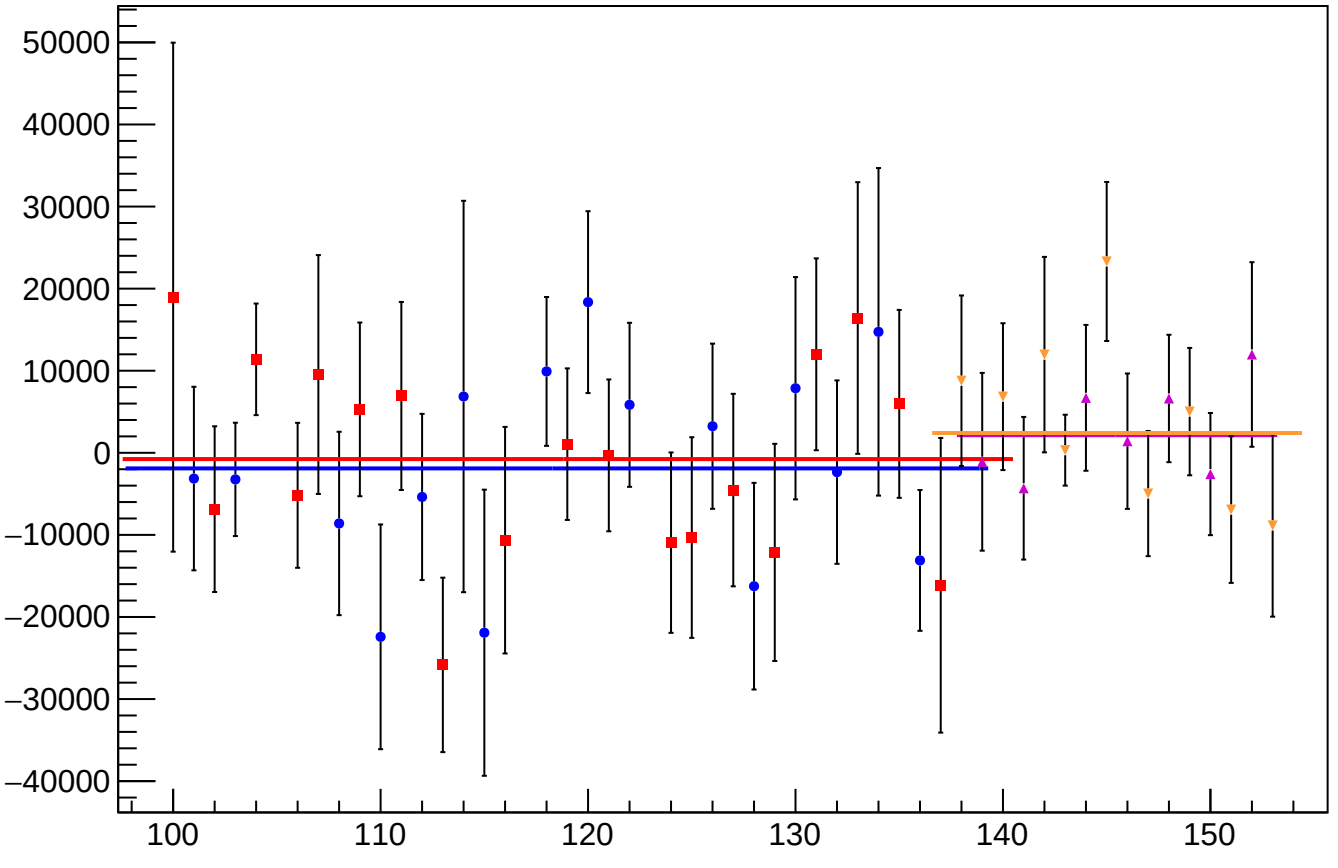
Left: 1887.178+/-0.370 χ^2/NDF: 334333.4/15

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1742.765+/-0.341 χ^2/NDF:538597.0/22

Out: 1762.413+/-0.335 χ^2/NDF:867732.1/27

All: 1752.764+/-0.239 χ^2/NDF: 1408022.1/50



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 2413.423+/-2603.254 χ^2/NDF:9.3/8

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: 2149.205+/-3302.204 χ^2/NDF:2.4/6

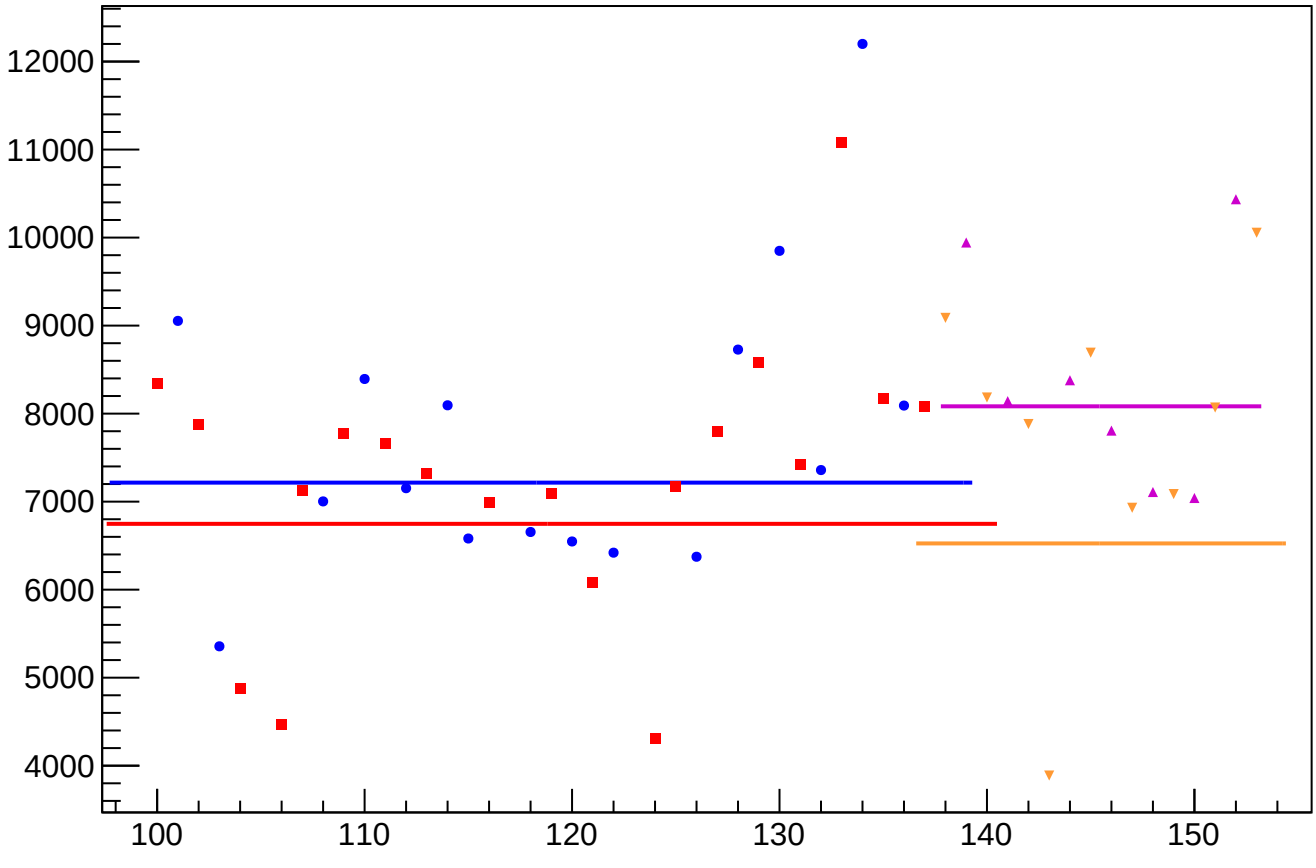
Left: 2312.154+/-2044.378 χ^2/NDF: 11.7/15

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: -249.034+/-2108.618 χ^2/NDF:17.7/22

Out: 792.603+/-1821.638 χ^2/NDF:27.4/27

All: 347.439+/-1378.477 χ^2/NDF: 45.2/50



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 6525.243+/-1.841 χ^2/NDF:1339996.4/8

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8082.952+/-2.335 χ^2/NDF:221829.8/6

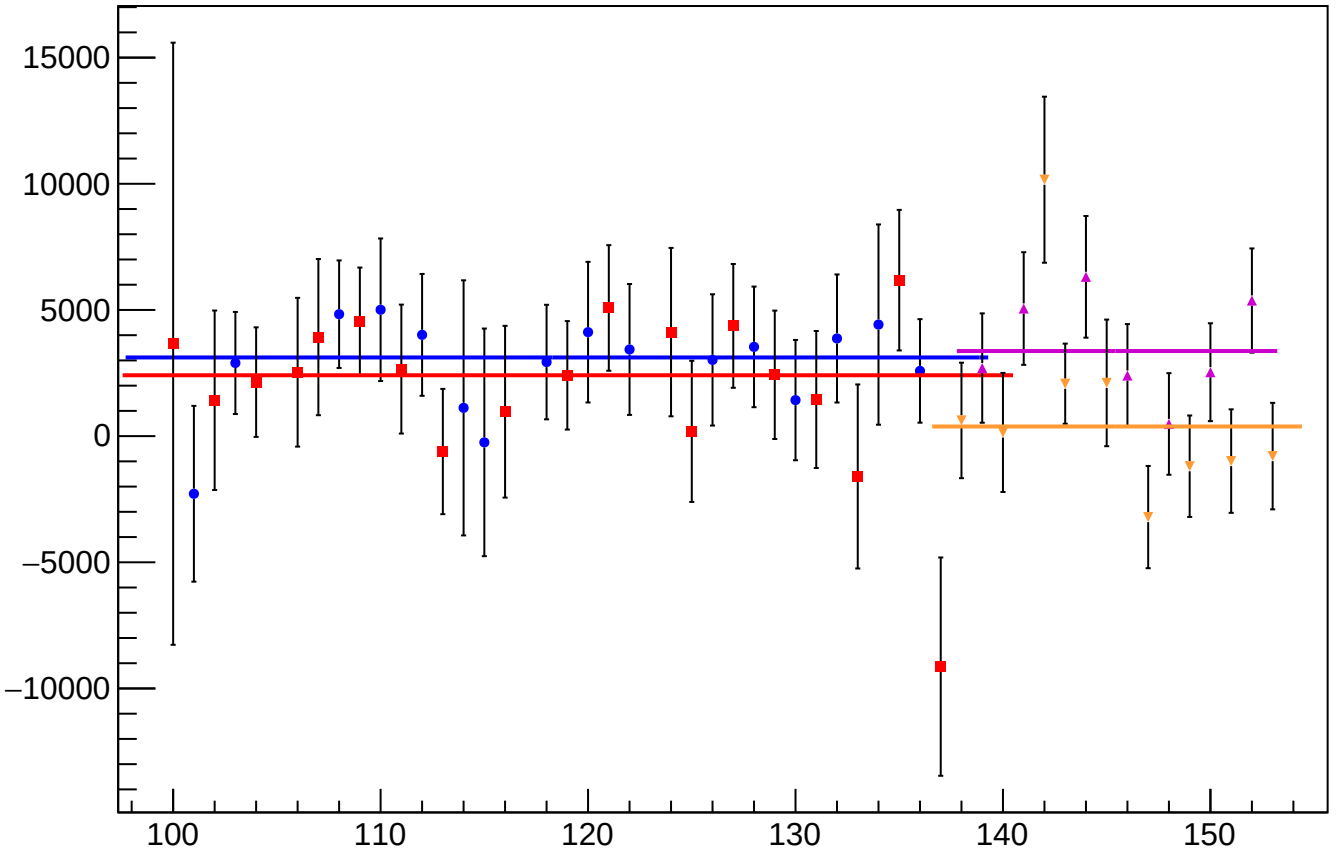
Left: 7122.279+/-1.446 χ^2/NDF: 1836289.2/15

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 7569.512+/-1.491 χ^2/NDF:815594.0/22

Out: 6638.791+/-1.288 χ^2/NDF:2056245.5/27

All: 7036.552+/-0.975 χ^2/NDF: 3094964.4/50



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 381.981+/-712.122 χ^2/NDF:15.0/8

Right Out: 2412.473+/-639.018 χ^2/NDF: 16.0/18

Left In: 3372.301+/-797.198 χ^2/NDF:5.6/6

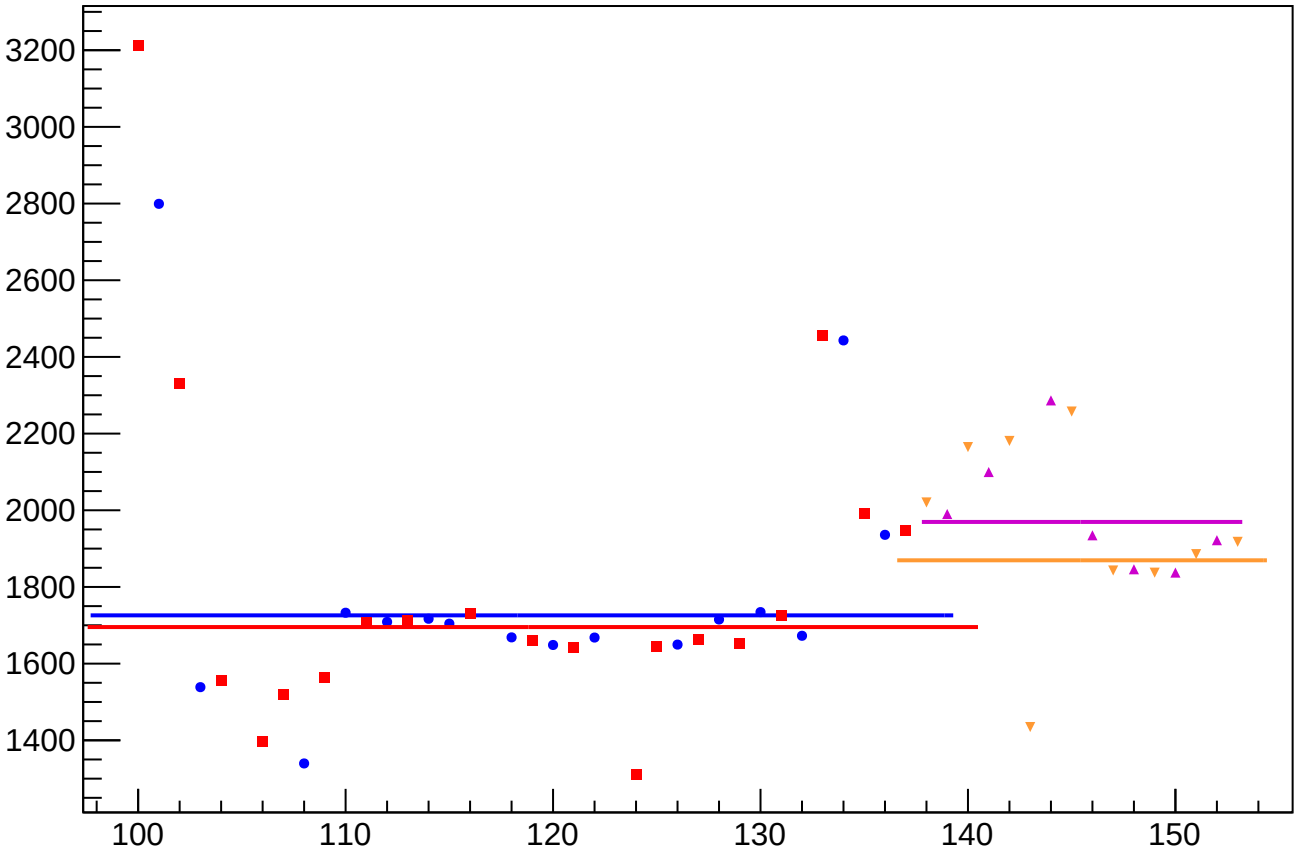
Left: 1709.119+/-531.087 χ^2/NDF: 28.4/15

Right: 2758.560+/-456.072 χ^2/NDF: 21.9/34

In: 3219.686+/-504.289 χ^2/NDF:10.9/22

Out: 1506.767+/-475.606 χ^2/NDF:35.5/27

All: 2313.129+/-346.000 χ^2/NDF: 52.5/50



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1869.496+/-0.504 χ^2/NDF:257827.8/8

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

Left In: 1969.581+/-0.564 χ^2/NDF:60032.9/6

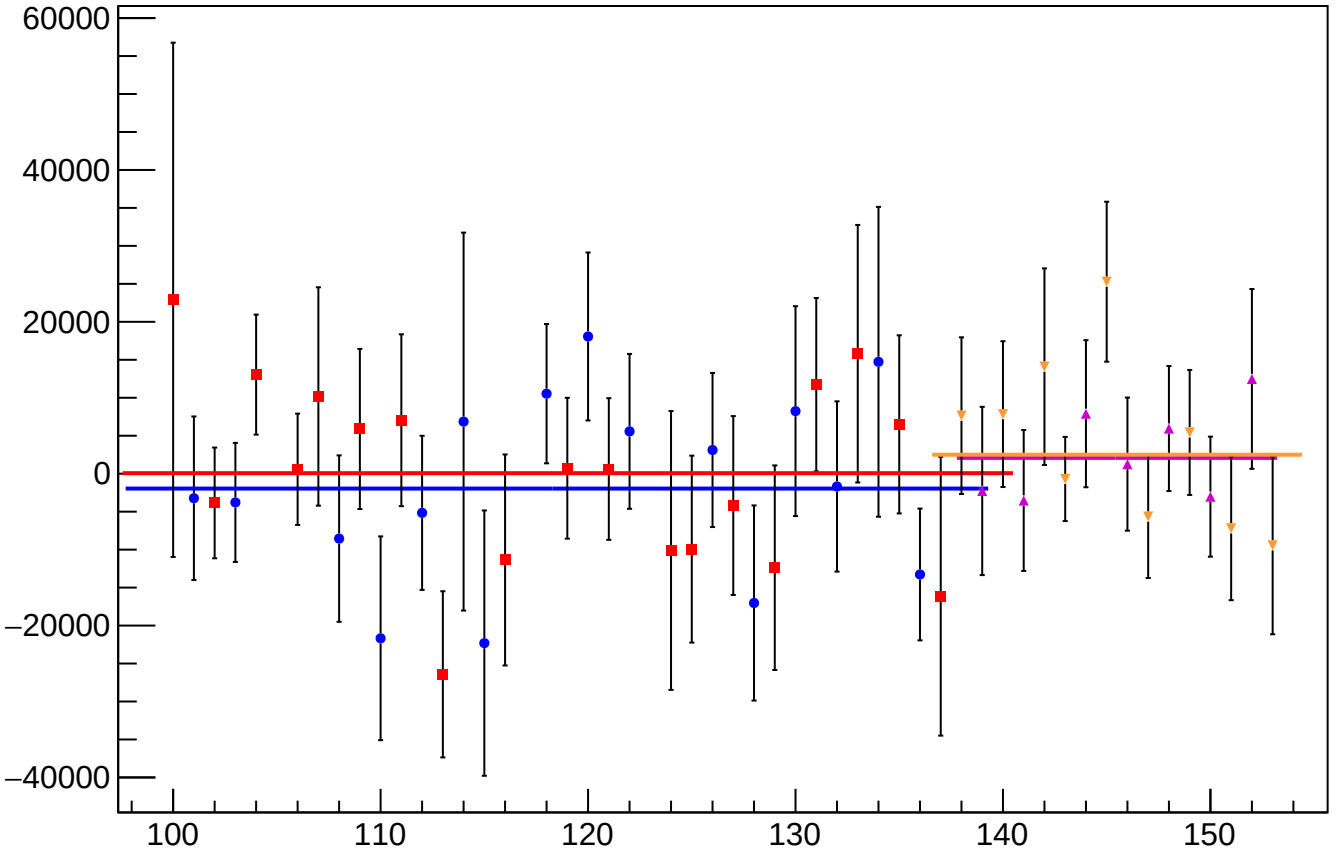
Left: 1913.915+/-0.376 χ^2/NDF: 335393.9/15

Right: 1710.357+/-0.322 χ^2/NDF: 653500.6/34

In: 1823.416+/-0.357 χ^2/NDF:537755.6/22

Out: 1773.017+/-0.336 χ^2/NDF:609698.0/27

All: 1796.737+/-0.245 χ^2/NDF: 1158028.2/50



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: 2501.577+/-2932.556 χ^2/NDF:9.6/8

Right Out: 68.156+/-2529.527 χ^2/NDF: 16.1/18

Left In: 2083.645+/-3506.449 χ^2/NDF:2.3/6

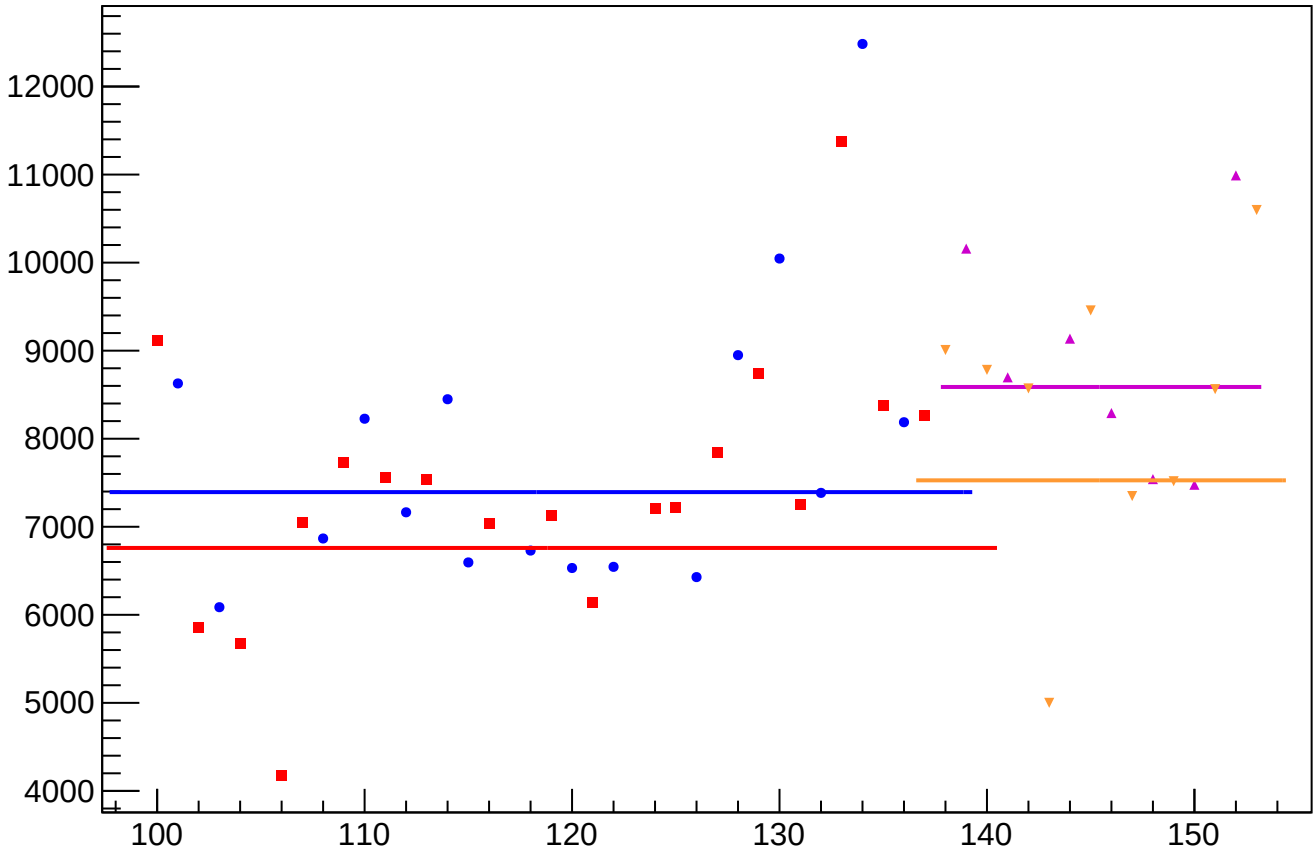
Left: 2329.567+/-2249.531 χ^2/NDF: 11.9/15

Right: -843.216+/-1876.494 χ^2/NDF: 30.8/34

In: -385.815+/-2187.195 χ^2/NDF:17.5/22

Out: 1106.285+/-1915.417 χ^2/NDF:26.1/27

All: 458.648+/-1440.969 χ^2/NDF: 43.9/50



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

Left Out: 7527.226+/-2.074 χ^2/NDF:733433.6/8

Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

Left In: 8587.755+/-2.479 χ^2/NDF:203413.2/6

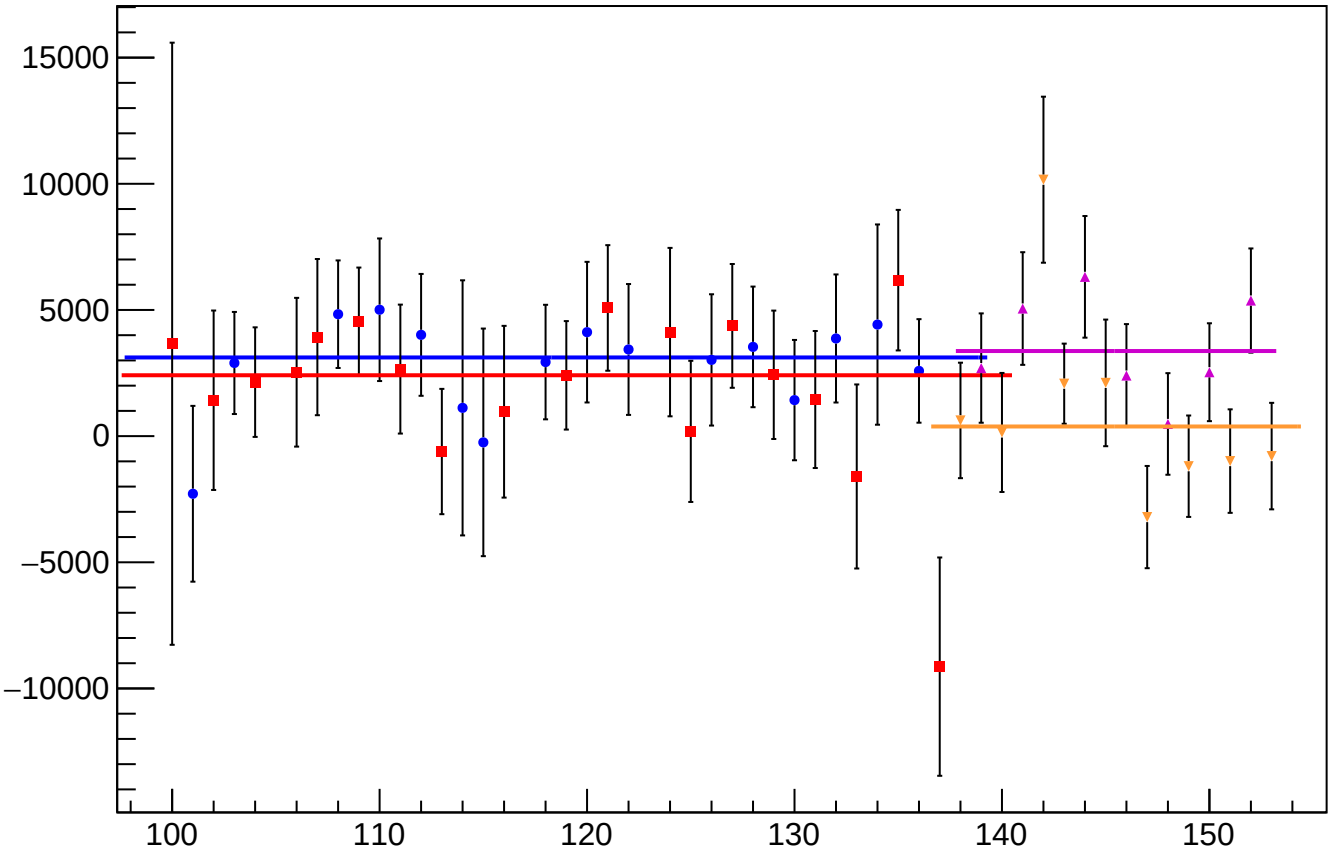
Left: 7963.713+/-1.591 χ^2/NDF: 1044501.2/15

Right: 7044.612+/-1.327 χ^2/NDF: 1102650.4/34

In: 7858.237+/-1.547 χ^2/NDF:746944.5/22

Out: 7086.980+/-1.354 χ^2/NDF:1456334.8/27

All: 7421.740+/-1.019 χ^2/NDF: 2344025.0/50



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 381.979+/-712.123 χ^2/NDF:15.0/8

Right Out: 2412.481+/-639.018 χ^2/NDF: 16.0/18

Left In: 3372.297+/-797.199 χ^2/NDF:5.6/6

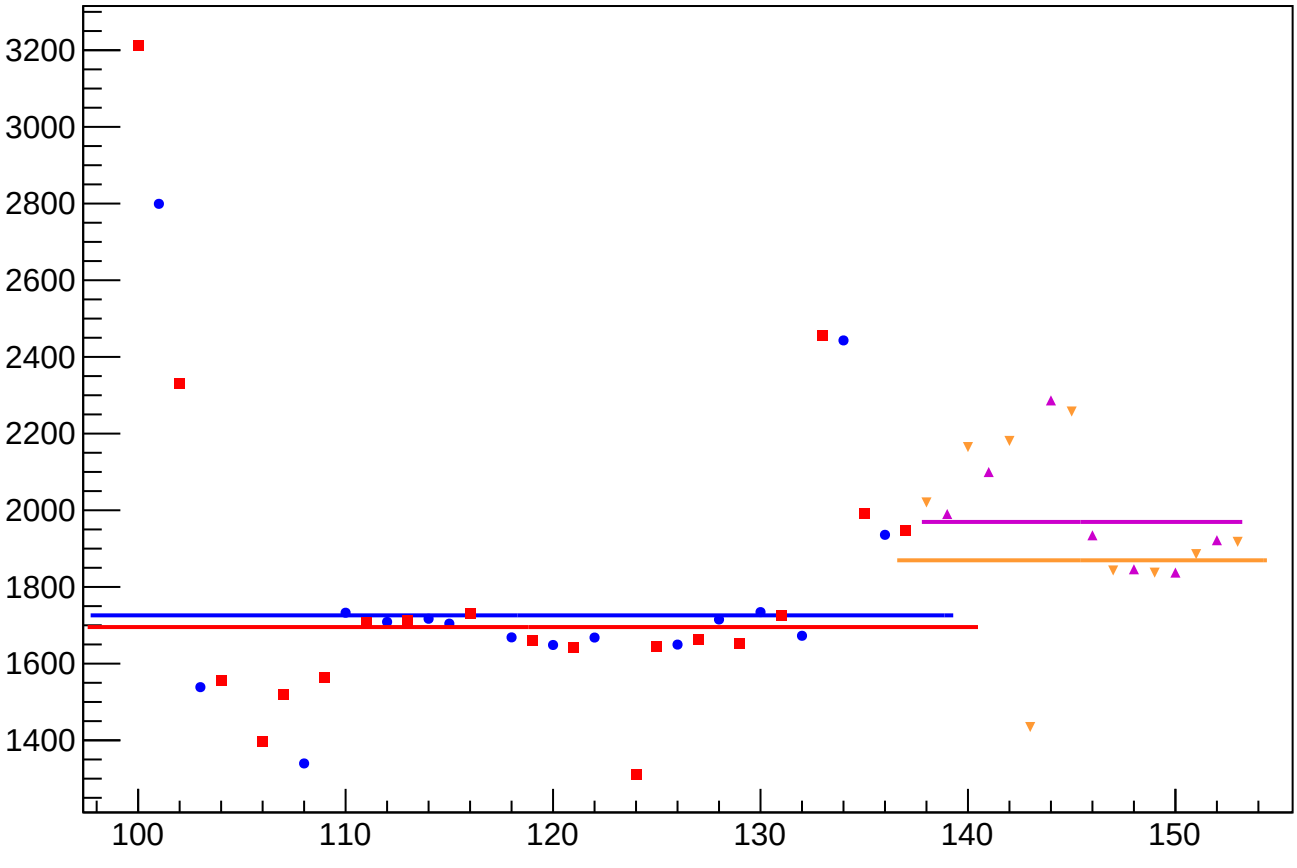
Left: 1709.116+/-531.087 χ^2/NDF: 28.4/15

Right: 2758.566+/-456.072 χ^2/NDF: 21.9/34

In: 3219.687+/-504.290 χ^2/NDF:10.9/22

Out: 1506.772+/-475.606 χ^2/NDF:35.5/27

All: 2313.132+/-346.000 χ^2/NDF: 52.5/50



Right In: 1725.910+/-0.460 χ^2/NDF: 365639.0/15

Left Out: 1869.498+/-0.504 χ^2/NDF:257828.3/8

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

Left In: 1969.584+/-0.564 χ^2/NDF:60033.3/6

Left: 1913.917+/-0.376 χ^2/NDF: 335394.7/15

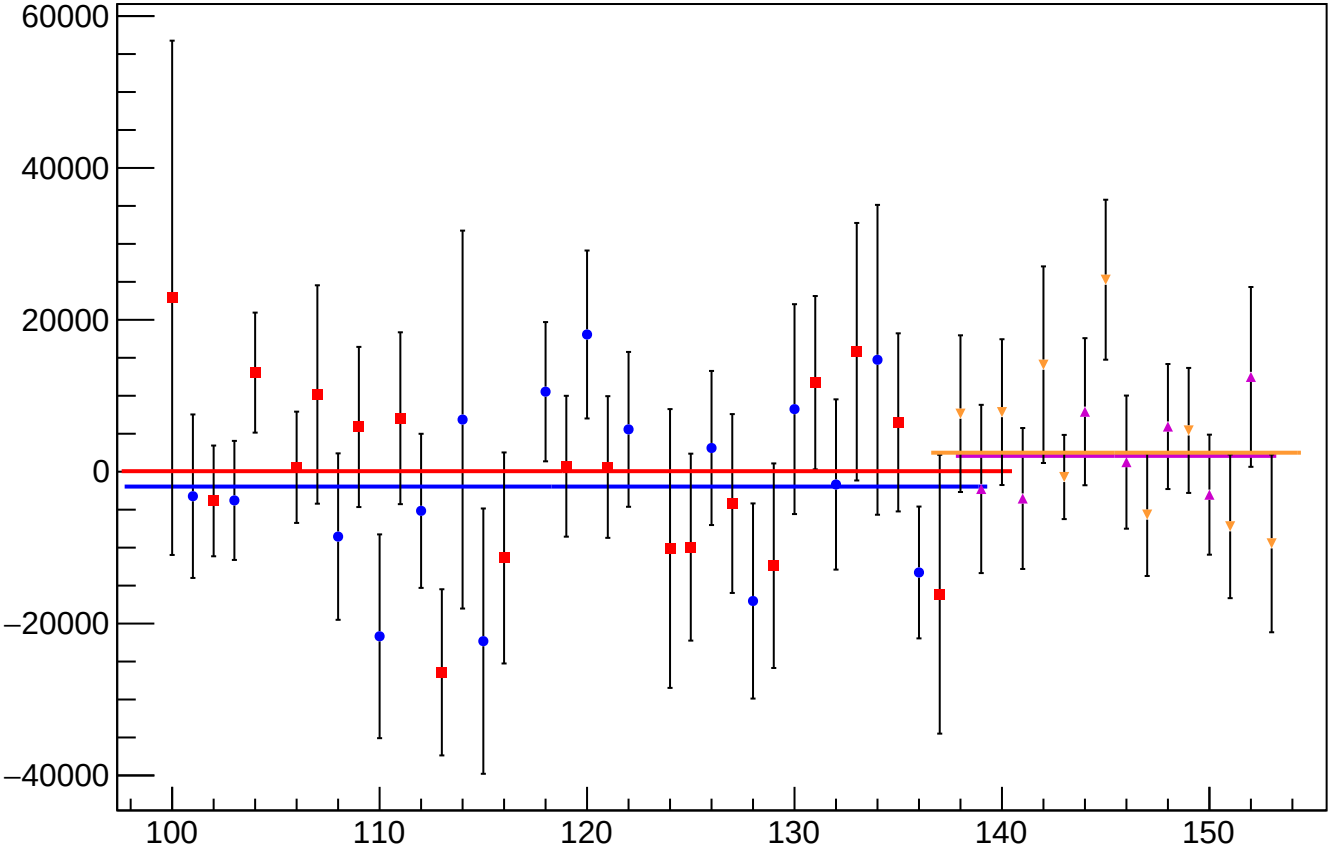
Right: 1710.357+/-0.322 χ^2/NDF: 653500.9/34

In: 1823.417+/-0.357 χ^2/NDF:537758.6/22

Out: 1773.018+/-0.336 χ^2/NDF:609700.6/27

All: 1796.738+/-0.245 χ^2/NDF: 1158033.9/50

asym_at2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1958.538+/-2798.302 χ^2/NDF: 14.4/15

Left Out: 2501.572+/-2932.560 χ^2/NDF:9.6/8

Right Out: 68.163+/-2529.521 χ^2/NDF: 16.1/18

Left In: 2083.642+/-3506.454 χ^2/NDF:2.3/6

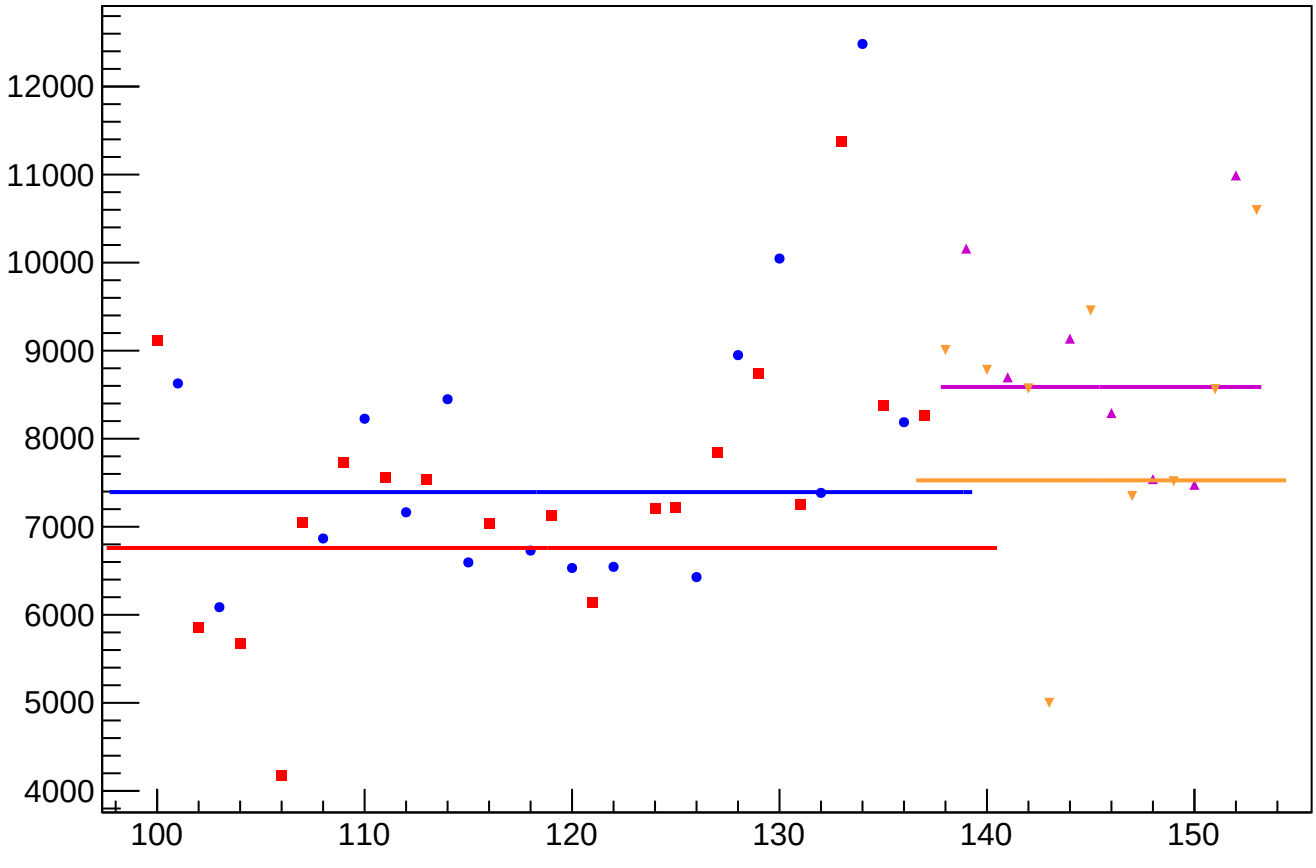
Left: 2329.562+/-2249.534 χ^2/NDF: 11.9/15

Right: -843.203+/-1876.490 χ^2/NDF: 30.8/34

In: -385.810+/-2187.193 χ^2/NDF:17.5/22

Out: 1106.282+/-1915.415 χ^2/NDF:26.1/27

All: 458.648+/-1440.967 χ^2/NDF: 43.9/50



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 7527.237+/-2.074 χ^2/NDF:733433.2/8

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

Left In: 8587.766+/-2.479 χ^2/NDF:203413.9/6

Left: 7963.724+/-1.591 χ^2/NDF: 1044501.1/15

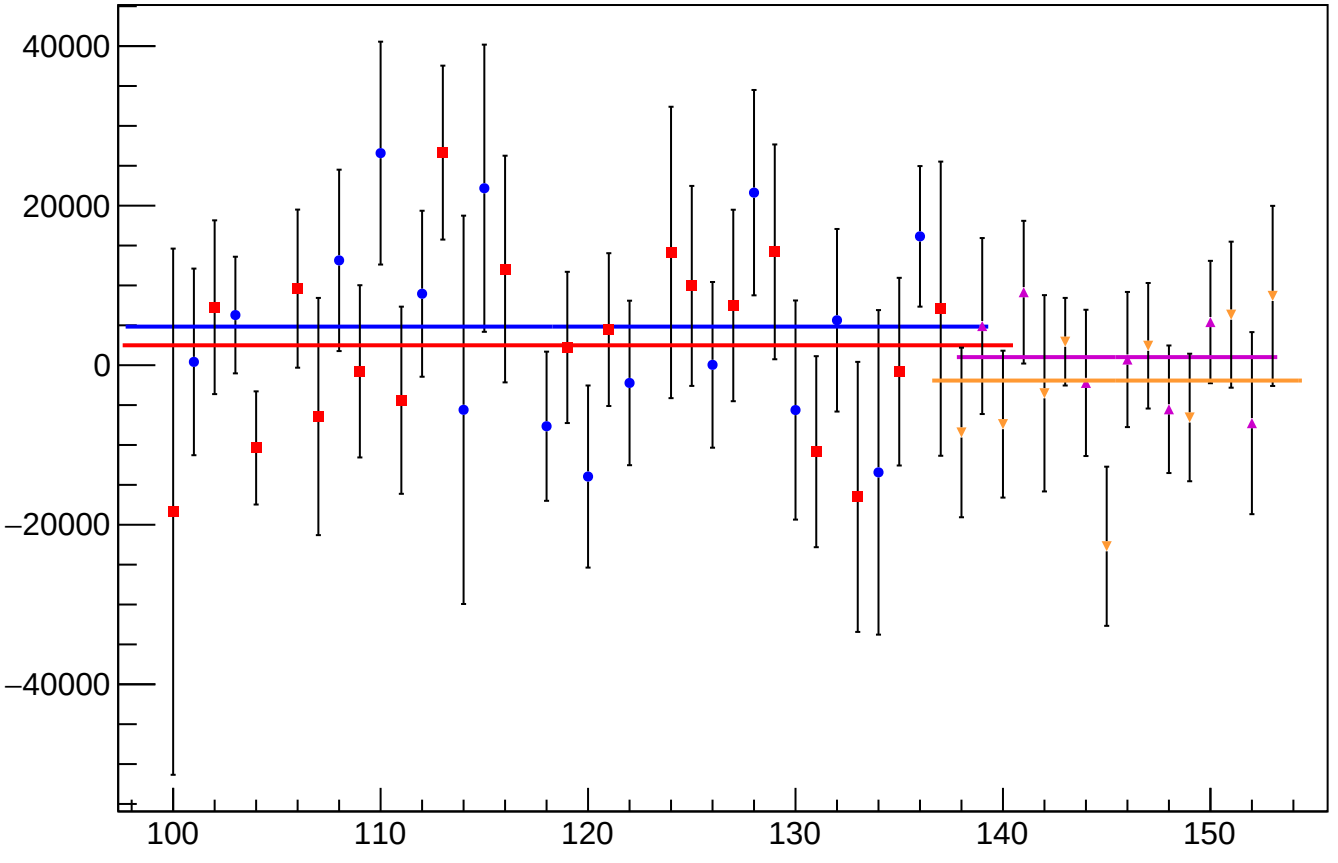
Right: 7044.596+/-1.327 χ^2/NDF: 1102651.2/34

In: 7858.228+/-1.547 χ^2/NDF:746954.1/22

Out: 7086.975+/-1.354 χ^2/NDF:1456338.4/27

All: 7421.733+/-1.019 χ^2/NDF: 2344037.2/50

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: -1924.759+/-2862.396 χ^2/NDF:8.2/8

Right Out: 2495.844+/-2695.530 χ^2/NDF: 14.9/18

Left In: 1013.595+/-3392.807 χ^2/NDF:2.6/6

Left: -702.961+/-2187.795 χ^2/NDF: 11.2/15

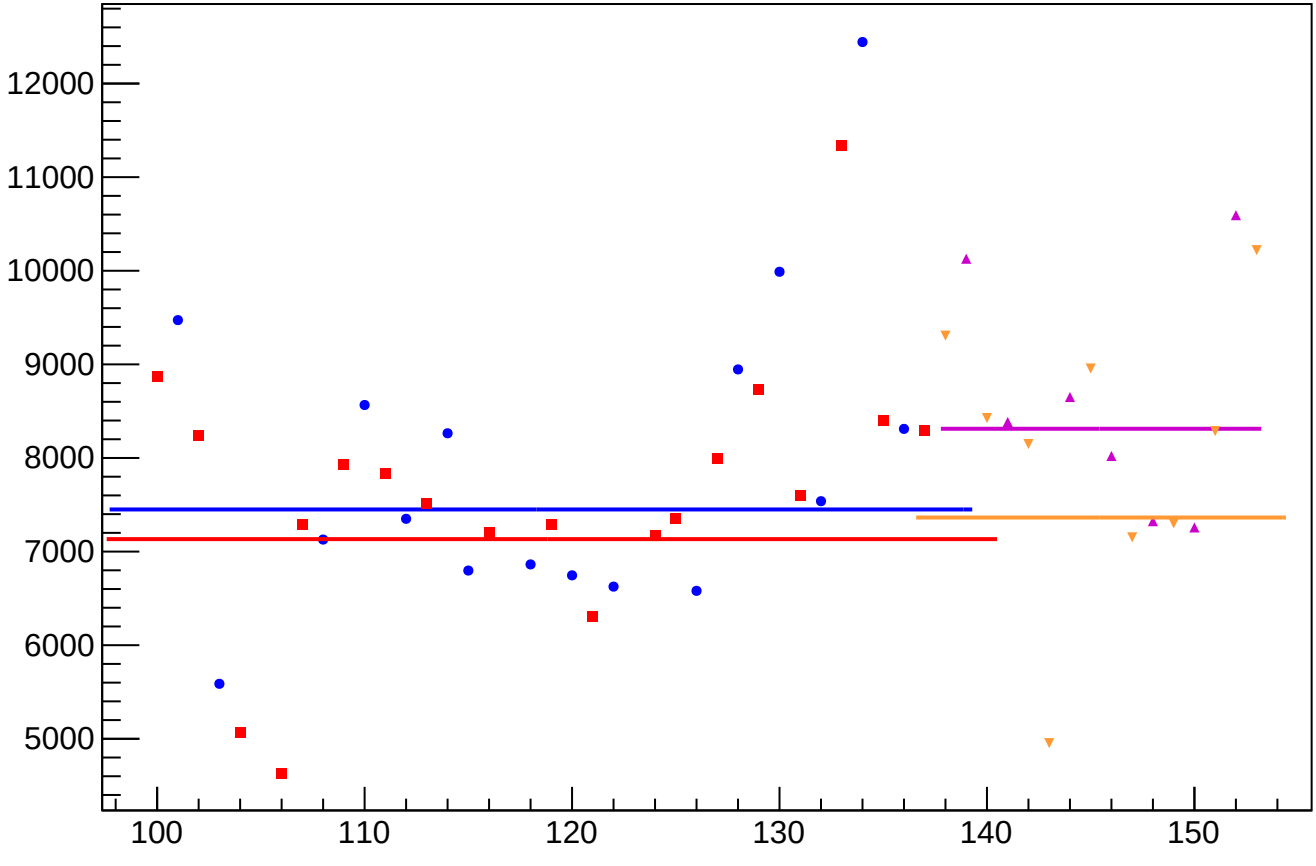
Right: 3610.318+/-1951.480 χ^2/NDF: 29.6/34

In: 3269.482+/-2172.738 χ^2/NDF:17.7/22

Out: 418.143+/-1962.368 χ^2/NDF:24.4/27

All: 1699.128+/-1456.313 χ^2/NDF: 43.0/50

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 7363.953+/-2.024 χ^2/NDF:687723.3/8

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

Left In: 8312.017+/-2.399 χ^2/NDF:207710.0/6

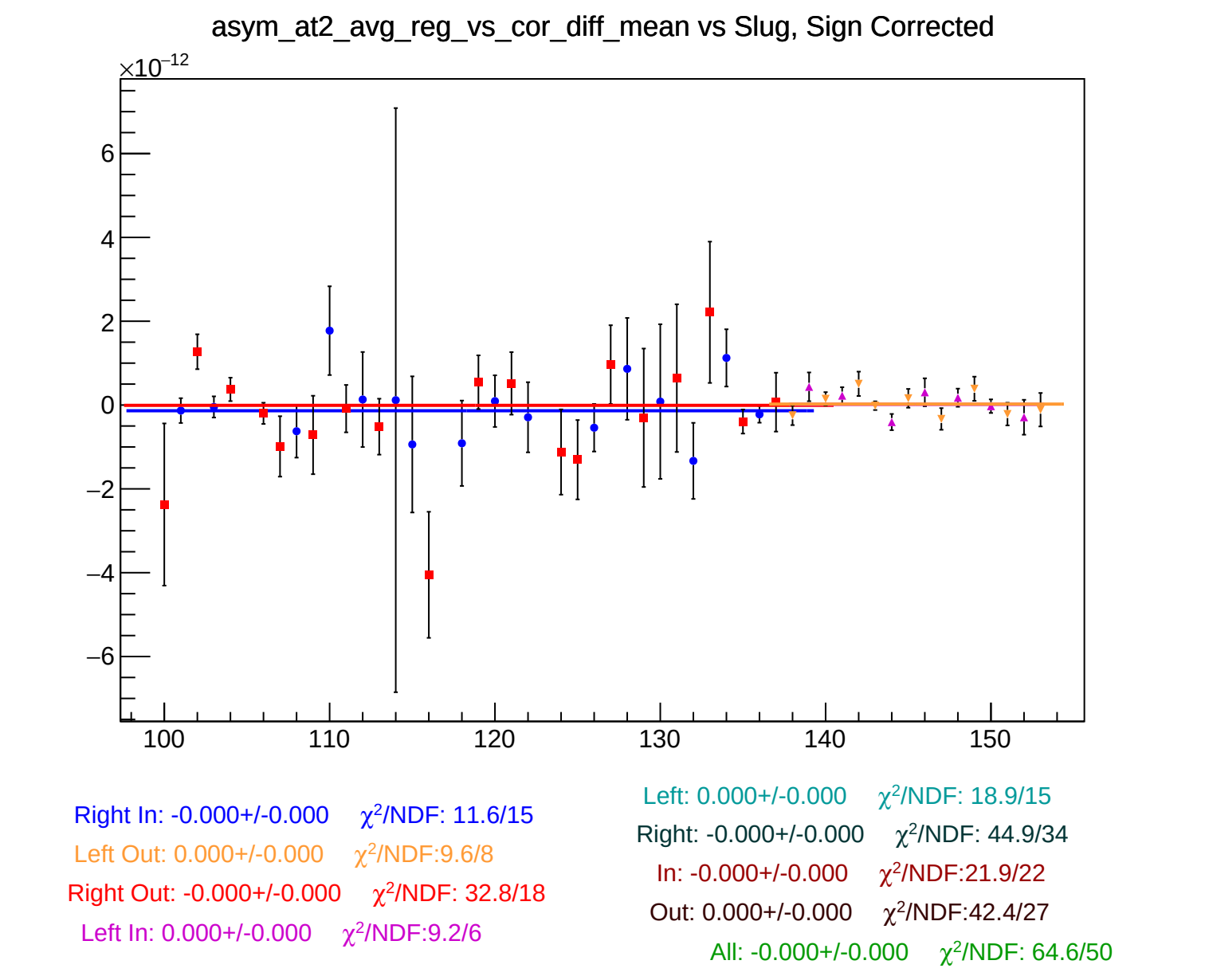
Left: 7758.168+/-1.547 χ^2/NDF: 986663.8/15

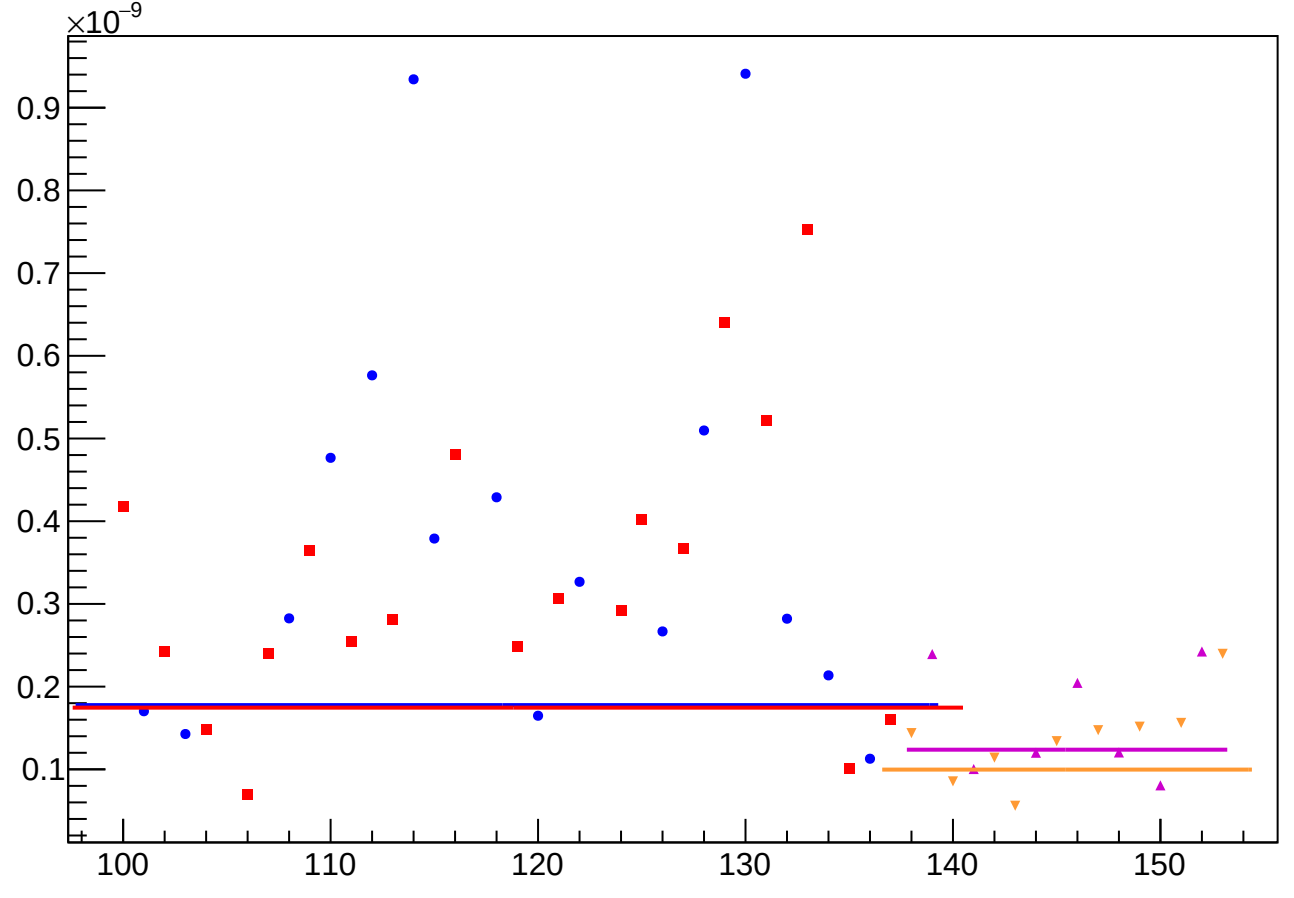
Right: 7283.894+/-1.380 χ^2/NDF: 1056573.7/34

In: 7803.506+/-1.536 χ^2/NDF:770299.1/22

Out: 7241.602+/-1.388 χ^2/NDF:1251610.5/27

All: 7494.032+/-1.030 χ^2/NDF: 2095582.2/5


asym_at2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
−6
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 11.6/15
Left Out: 0.000+/-0.000 χ²/NDF:9.6/8
Right Out: -0.000+/-0.000 χ²/NDF: 32.8/18
Left In: 0.000+/-0.000 χ²/NDF:9.2/6
Left: 0.000+/-0.000 χ²/NDF: 18.9/15
Right: -0.000+/-0.000 χ²/NDF: 44.9/34
In: -0.000+/-0.000 χ²/NDF:21.9/22
Out: 0.000+/-0.000 χ²/NDF:42.4/27
All: -0.000+/-0.000 χ²/NDF: 64.6/50



Right In: 0.000+/-0.000 χ^2/NDF: 1530066.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:962923.7/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

Left In: 0.000+/-0.000 χ^2/NDF:677738.3/6

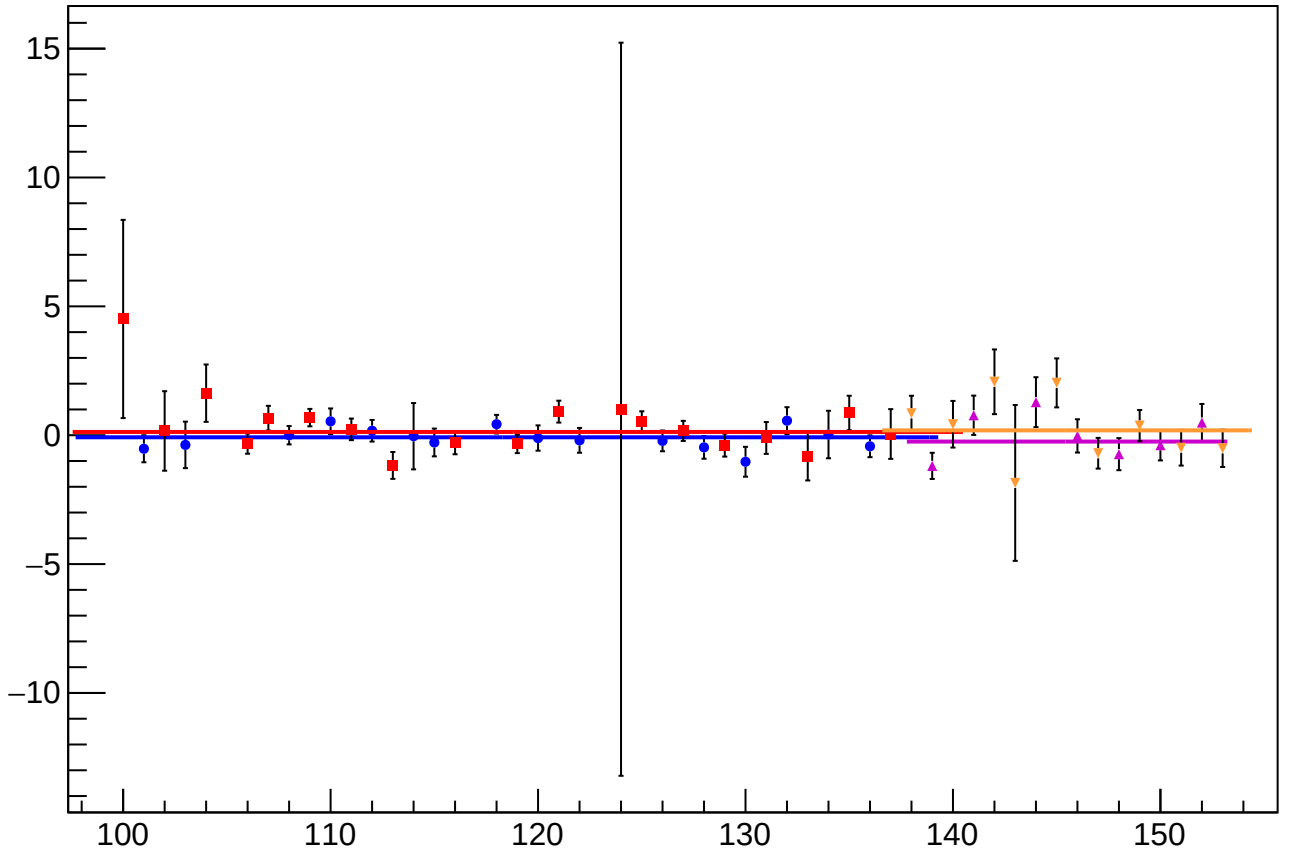
Left: 0.000+/-0.000 χ^2/NDF: 1738994.3/15

Right: 0.000+/-0.000 χ^2/NDF: 3172068.5/34

In: 0.000+/-0.000 χ^2/NDF:2474416.9/22

Out: 0.000+/-0.000 χ^2/NDF:3180442.8/27

All: 0.000+/-0.000 χ^2/NDF: 5815068.4/50



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.189+/-0.260 χ^2/NDF:11.7/8

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.246+/-0.247 χ^2/NDF:9.6/6

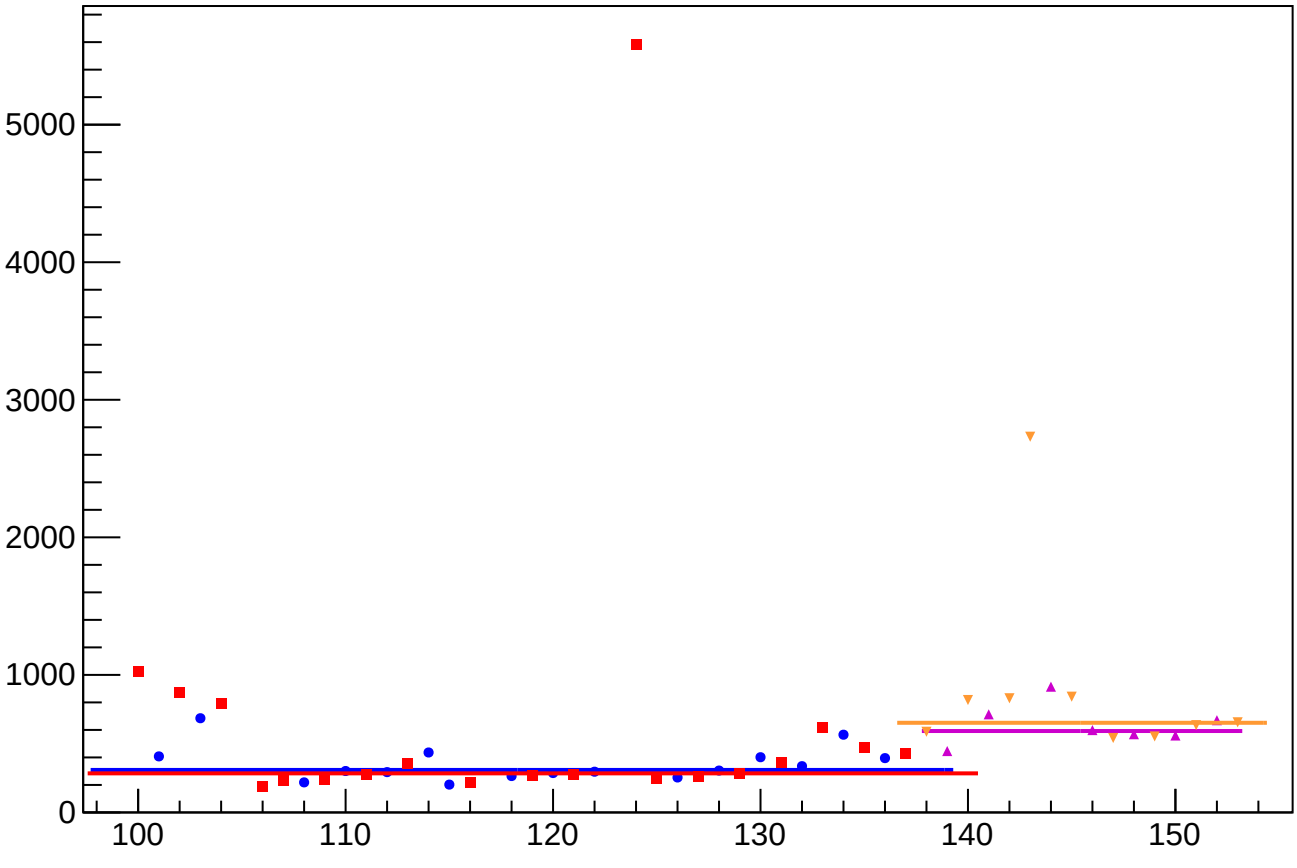
Left: -0.040+/-0.179 χ^2/NDF: 22.7/15

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.113+/-0.109 χ^2/NDF:20.7/22

Out: 0.138+/-0.107 χ^2/NDF:37.0/27

All: 0.016+/-0.076 χ^2/NDF: 60.4/50



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 651.892+/-0.184 χ^2/NDF:1275596.5/8

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 592.036+/-0.174 χ^2/NDF:469968.1/6

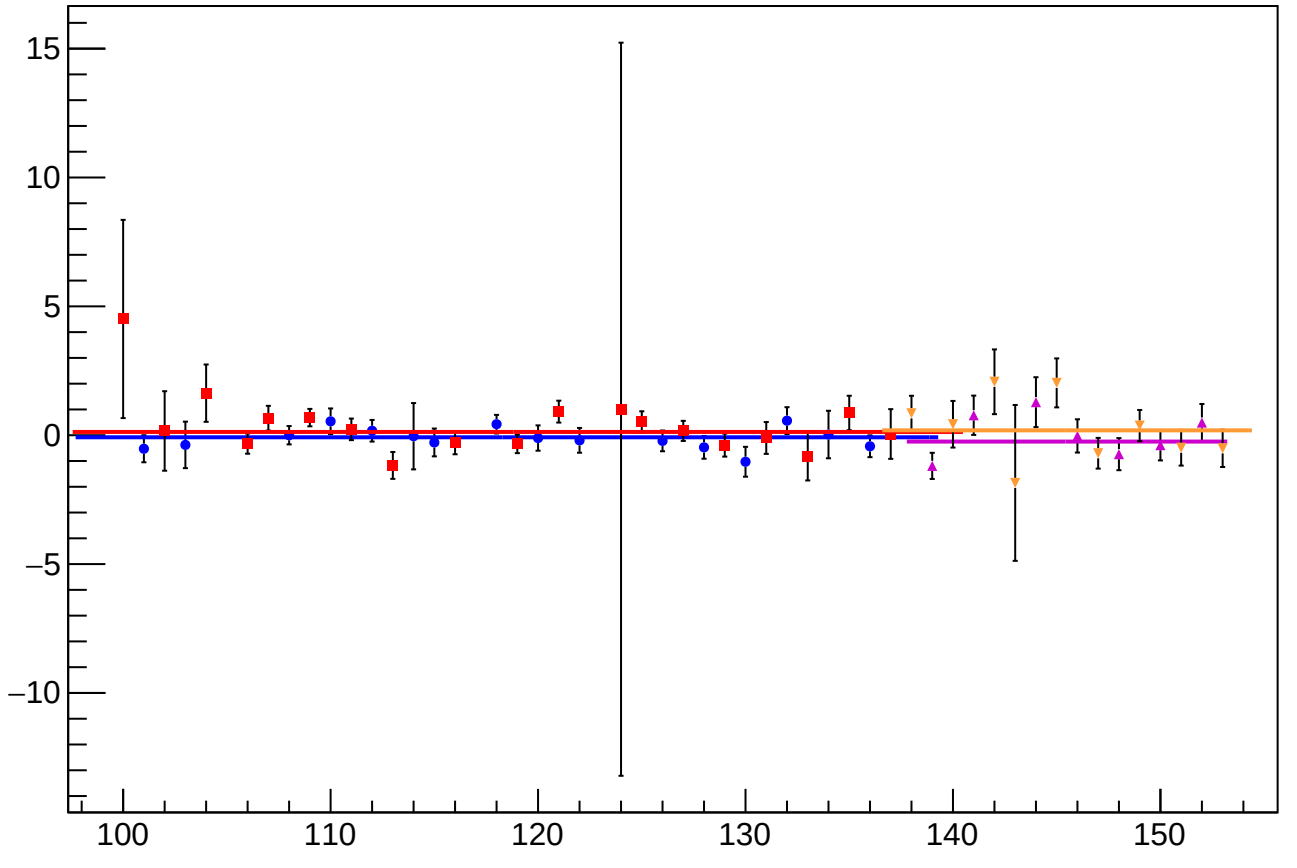
Left: 620.358+/-0.127 χ^2/NDF: 1801279.6/15

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 364.598+/-0.077 χ^2/NDF:3599485.0/22

Out: 345.913+/-0.075 χ^2/NDF:6453103.8/27

All: 355.029+/-0.054 χ^2/NDF: 10082541.6/50



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.189+/-0.260 χ^2/NDF:11.7/8

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.246+/-0.247 χ^2/NDF:9.6/6

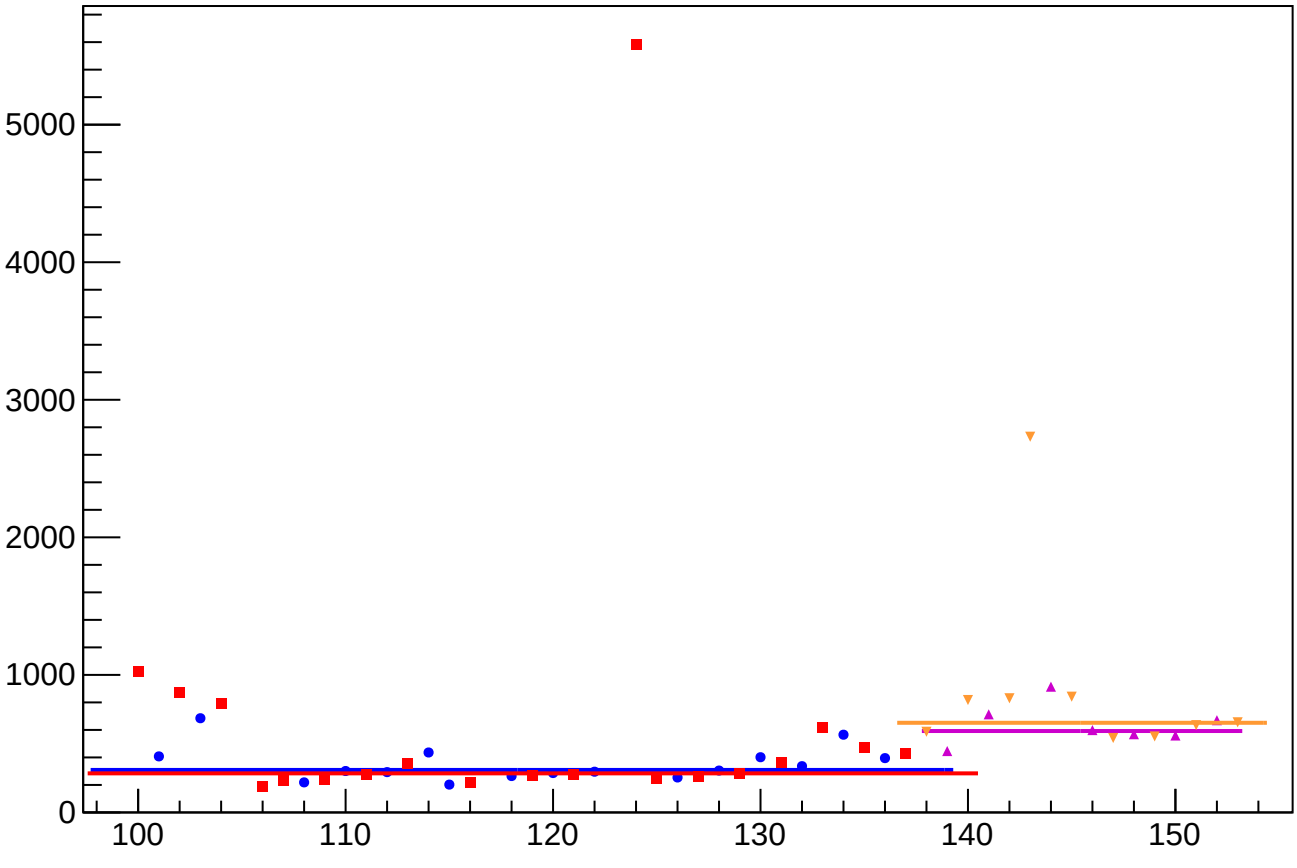
Left: -0.040+/-0.179 χ^2/NDF: 22.7/15

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.113+/-0.109 χ^2/NDF:20.7/22

Out: 0.138+/-0.107 χ^2/NDF:37.0/27

All: 0.016+/-0.076 χ^2/NDF: 60.4/50



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 651.892+/-0.184 χ^2/NDF:1275596.5/8

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 592.036+/-0.174 χ^2/NDF:469968.1/6

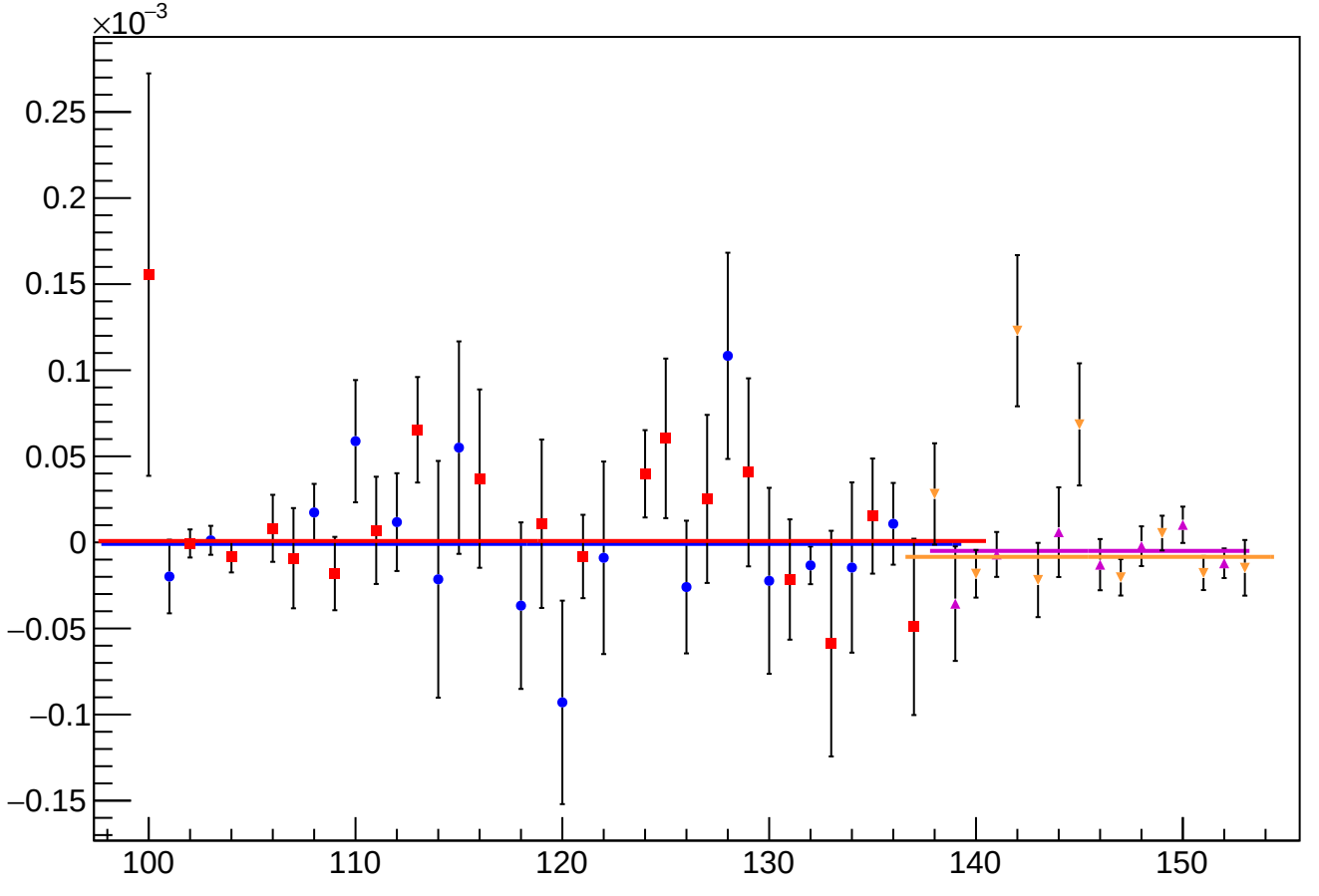
Left: 620.358+/-0.127 χ^2/NDF: 1801279.6/15

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 364.598+/-0.077 χ^2/NDF:3599485.0/22

Out: 345.913+/-0.075 χ^2/NDF:6453103.8/27

All: 355.029+/-0.054 χ^2/NDF: 10082541.6/50



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.3/8

Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:4.2/6

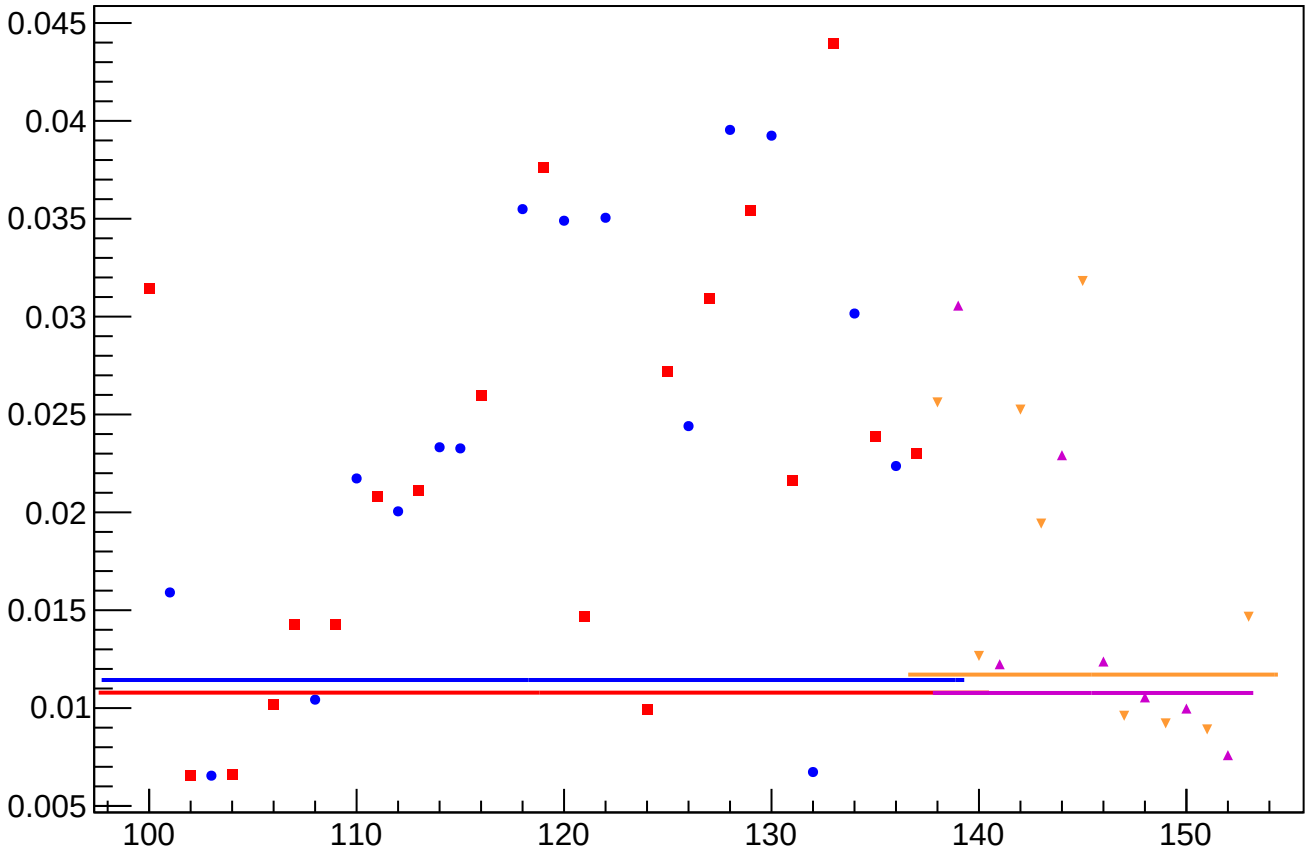
Left: -0.000+/-0.000 χ^2/NDF: 24.7/15

Right: 0.000+/-0.000 χ^2/NDF: 30.7/34

In: -0.000+/-0.000 χ^2/NDF:19.0/22

Out: -0.000+/-0.000 χ^2/NDF:38.2/27

All: -0.000+/-0.000 χ^2/NDF: 57.2/50



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:1974040.6/8

Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

Left In: 0.011+/-0.000 χ^2/NDF:1476307.9/6

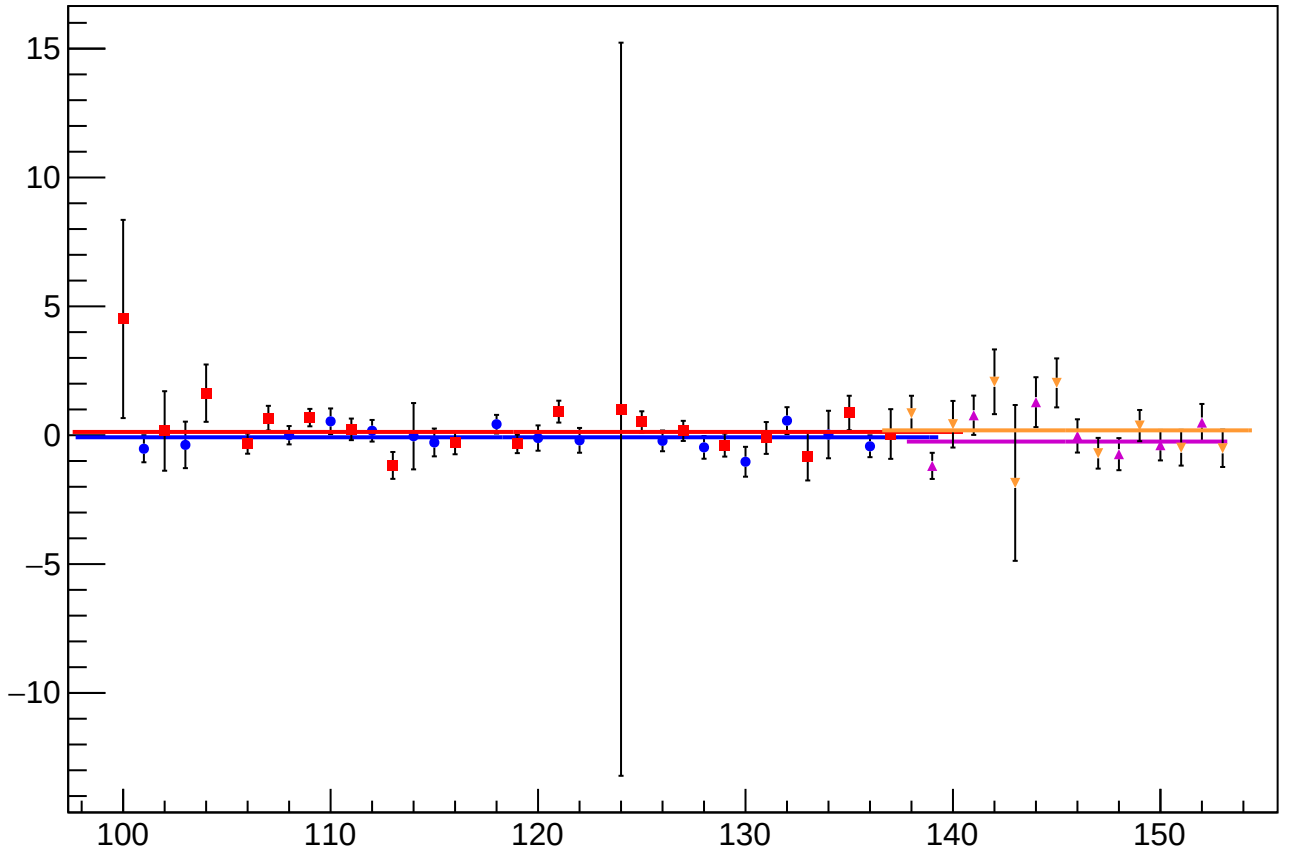
Left: 0.011+/-0.000 χ^2/NDF: 3487987.3/15

Right: 0.011+/-0.000 χ^2/NDF: 9189725.1/34

In: 0.011+/-0.000 χ^2/NDF:6193227.4/22

Out: 0.011+/-0.000 χ^2/NDF:6483958.6/27

All: 0.011+/-0.000 χ^2/NDF: 12679780.9/50



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: 0.189+/-0.260 χ^2/NDF:11.7/8

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.246+/-0.247 χ^2/NDF:9.6/6

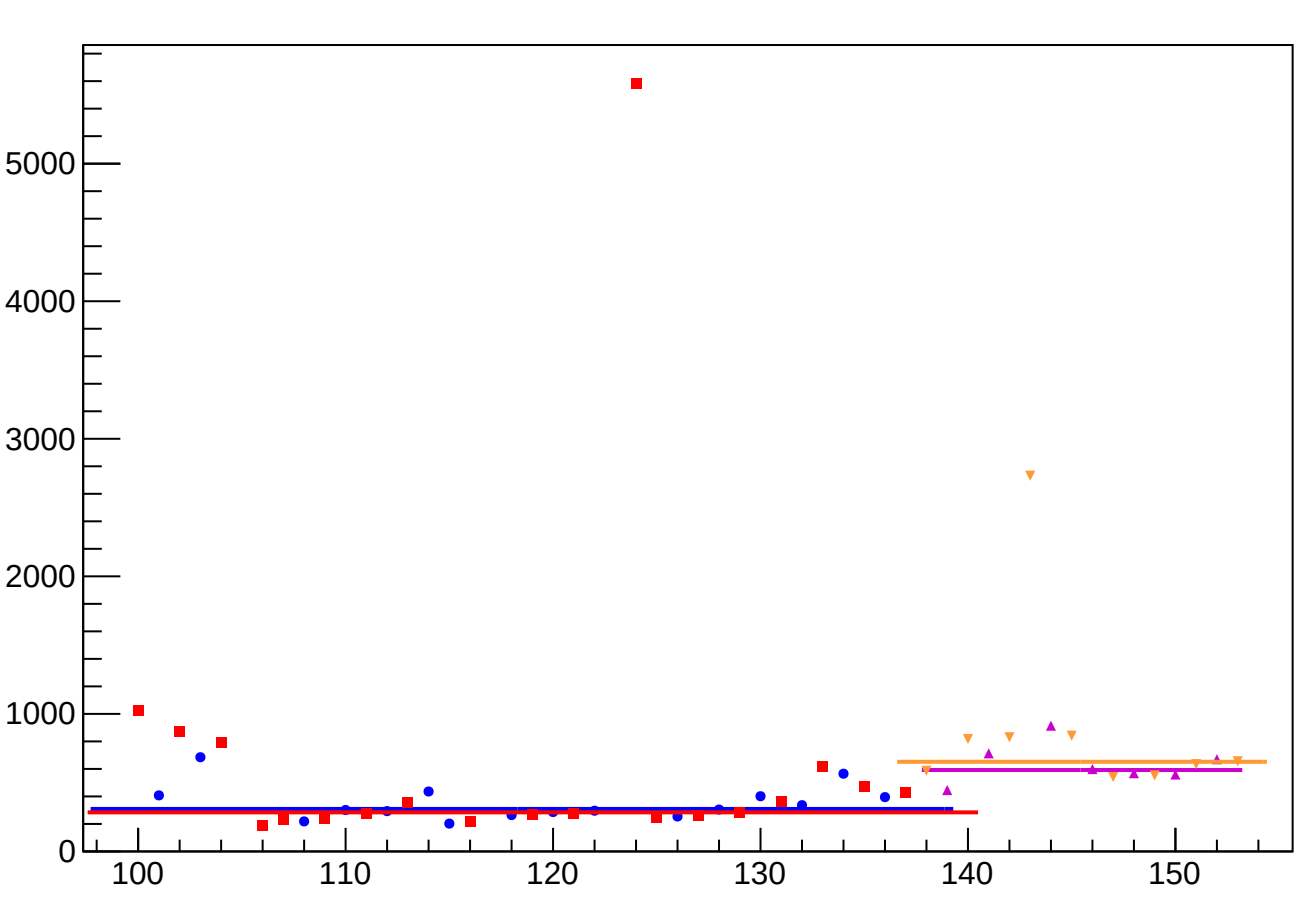
Left: -0.040+/-0.179 χ^2/NDF: 22.7/15

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.113+/-0.109 χ^2/NDF:20.7/22

Out: 0.138+/-0.107 χ^2/NDF:37.0/27

All: 0.016+/-0.076 χ^2/NDF: 60.4/50



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 651.899+/-0.184 χ^2/NDF:1275595.9/8

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 592.044+/-0.174 χ^2/NDF:469949.9/6

Left: 620.366+/-0.127 χ^2/NDF: 1801256.8/15

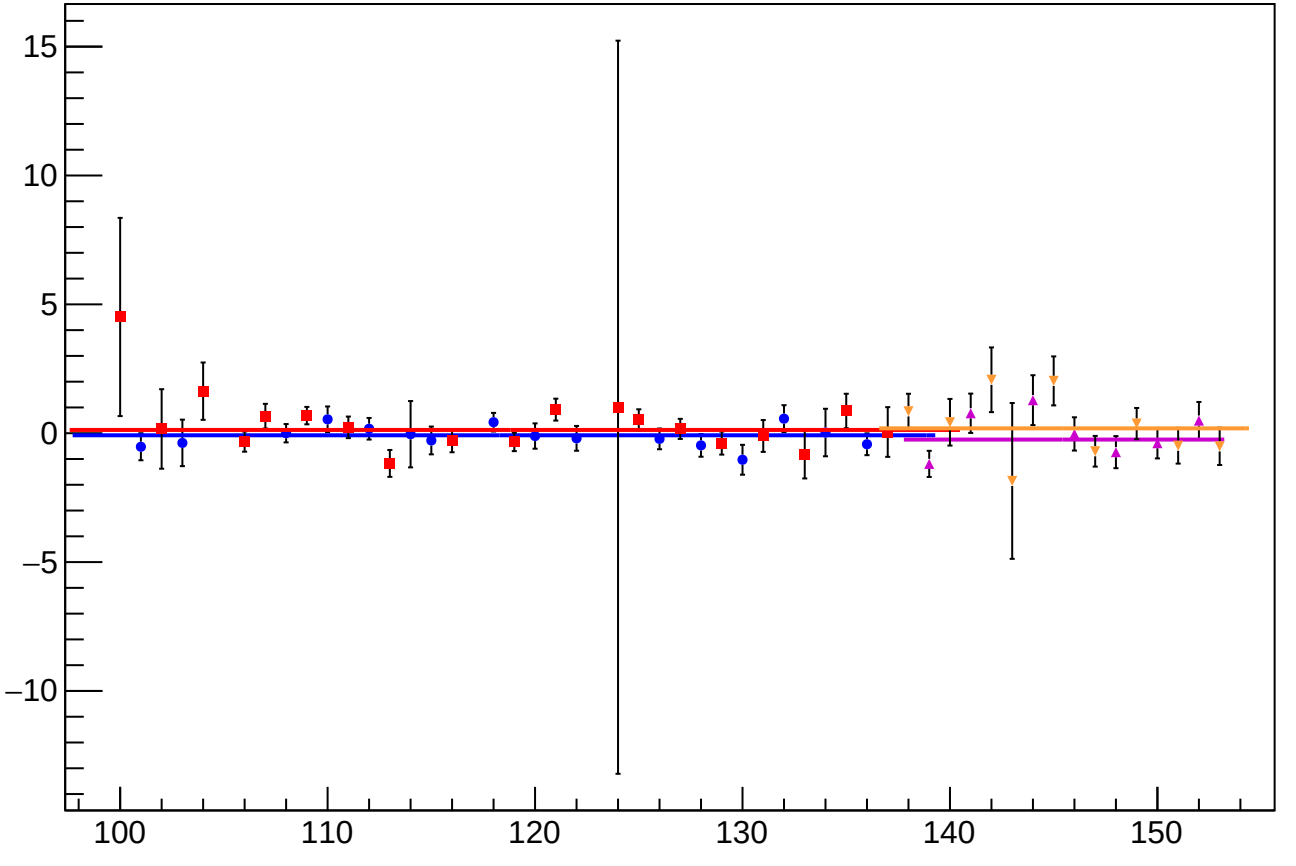
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 364.598+/-0.077 χ^2/NDF:3599526.6/22

Out: 345.912+/-0.075 χ^2/NDF:6453166.8/27

All: 355.029+/-0.054 χ^2/NDF: 10082647.2/50

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: 0.189+/-0.260 χ^2/NDF:11.7/8

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.246+/-0.247 χ^2/NDF:9.6/6

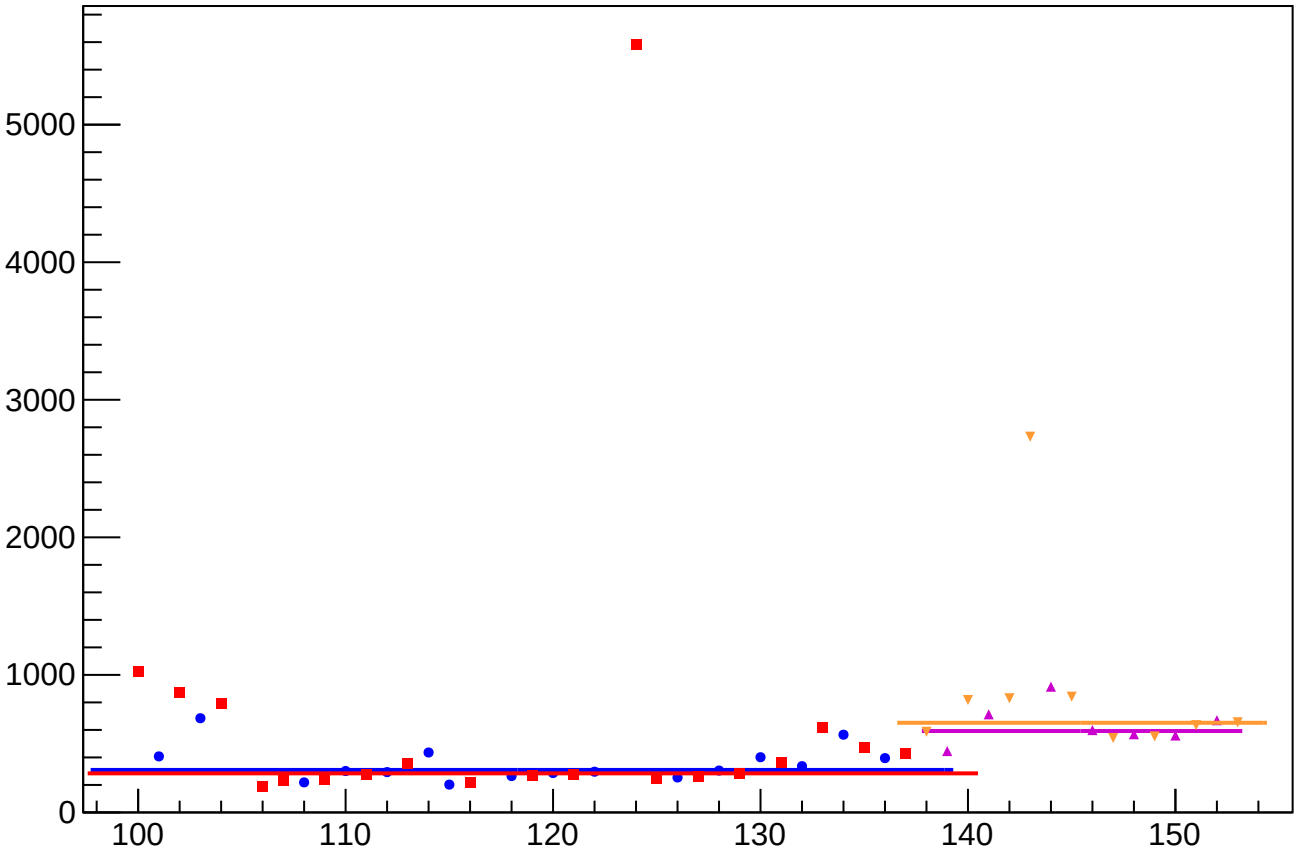
Left: -0.040+/-0.179 χ^2/NDF: 22.7/15

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.113+/-0.109 χ^2/NDF:20.7/22

Out: 0.138+/-0.107 χ^2/NDF:37.0/27

All: 0.016+/-0.076 χ^2/NDF: 60.4/50



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 651.899+/-0.184 χ^2/NDF:1275595.9/8

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 592.044+/-0.174 χ^2/NDF:469949.9/6

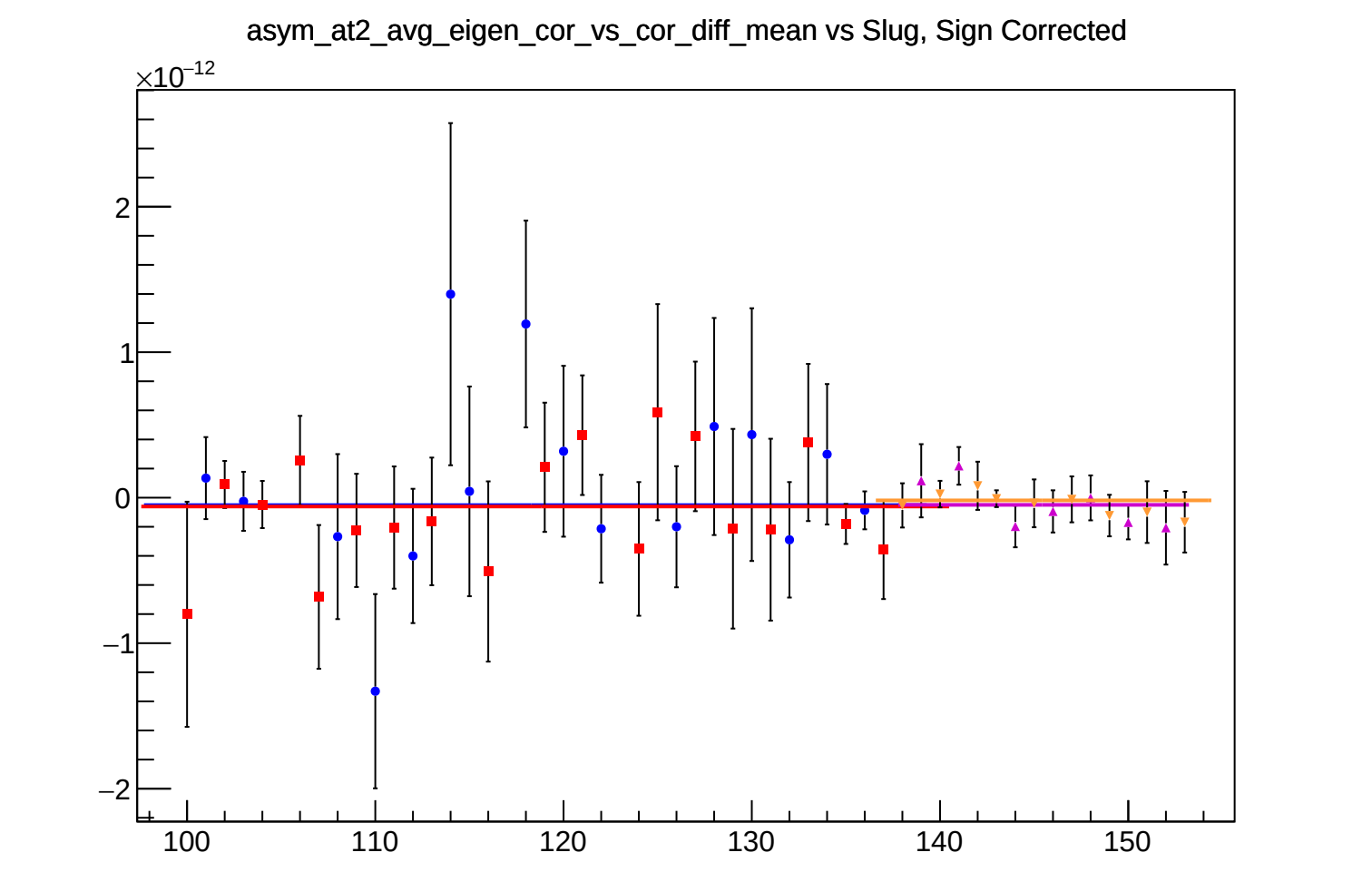
Left: 620.366+/-0.127 χ^2/NDF: 1801256.8/15

Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 364.598+/-0.077 χ^2/NDF:3599526.6/22

Out: 345.912+/-0.075 χ^2/NDF:6453166.8/27

All: 355.029+/-0.054 χ^2/NDF: 10082647.2/50



Right In: -0.000+/-0.000 χ^2/NDF: 12.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.9/8

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: -0.000+/-0.000 χ^2/NDF:7.4/6

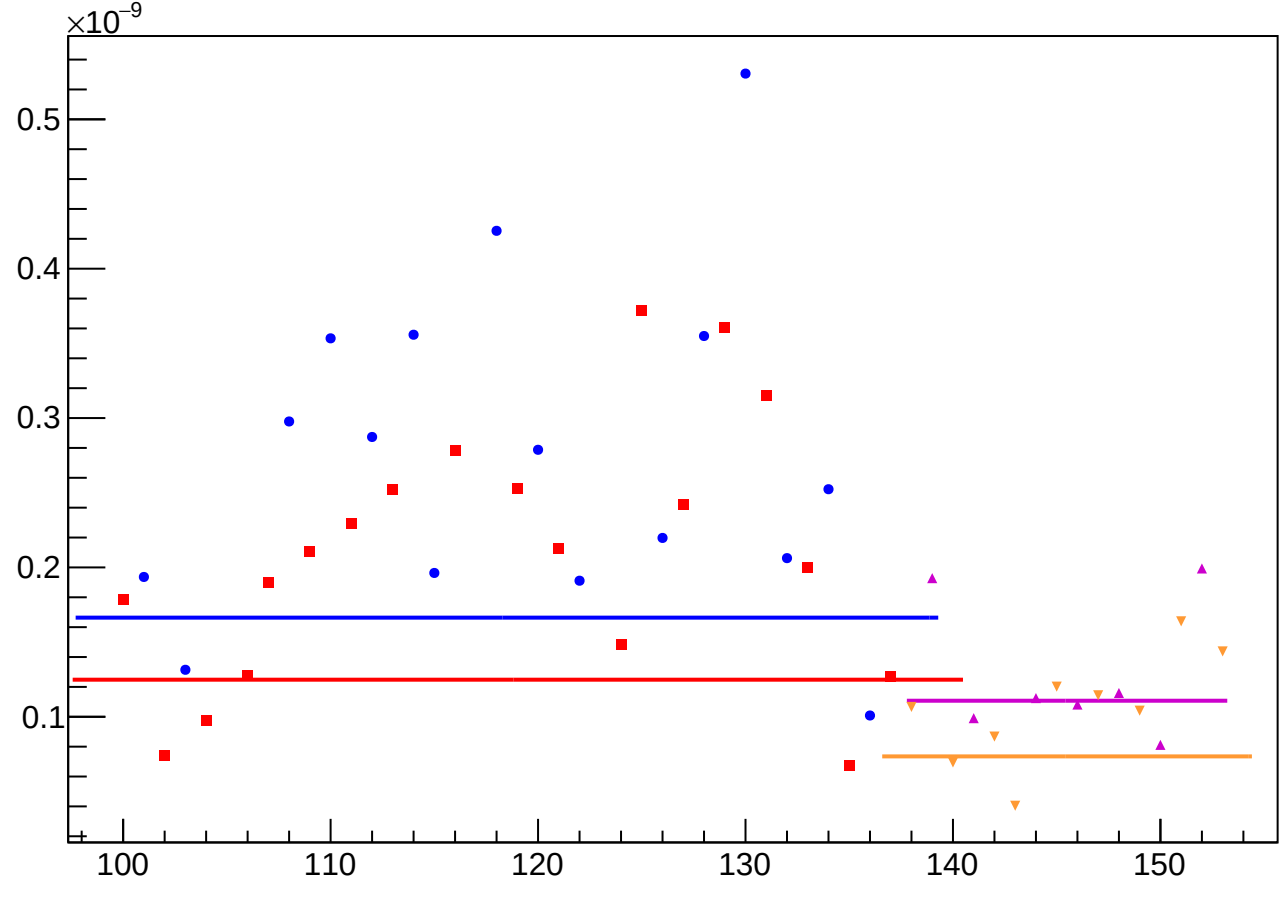
Left: -0.000+/-0.000 χ^2/NDF: 9.5/15

Right: -0.000+/-0.000 χ^2/NDF: 23.4/34

In: -0.000+/-0.000 χ^2/NDF:19.4/22

Out: -0.000+/-0.000 χ^2/NDF:13.6/27

All: -0.000+/-0.000 χ^2/NDF: 33.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1747264.1/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2209554.2/18

Left In: 0.000+/-0.000 χ^2/NDF:604993.0/6

Left: 0.000+/-0.000 χ^2/NDF: 2932004.7/15

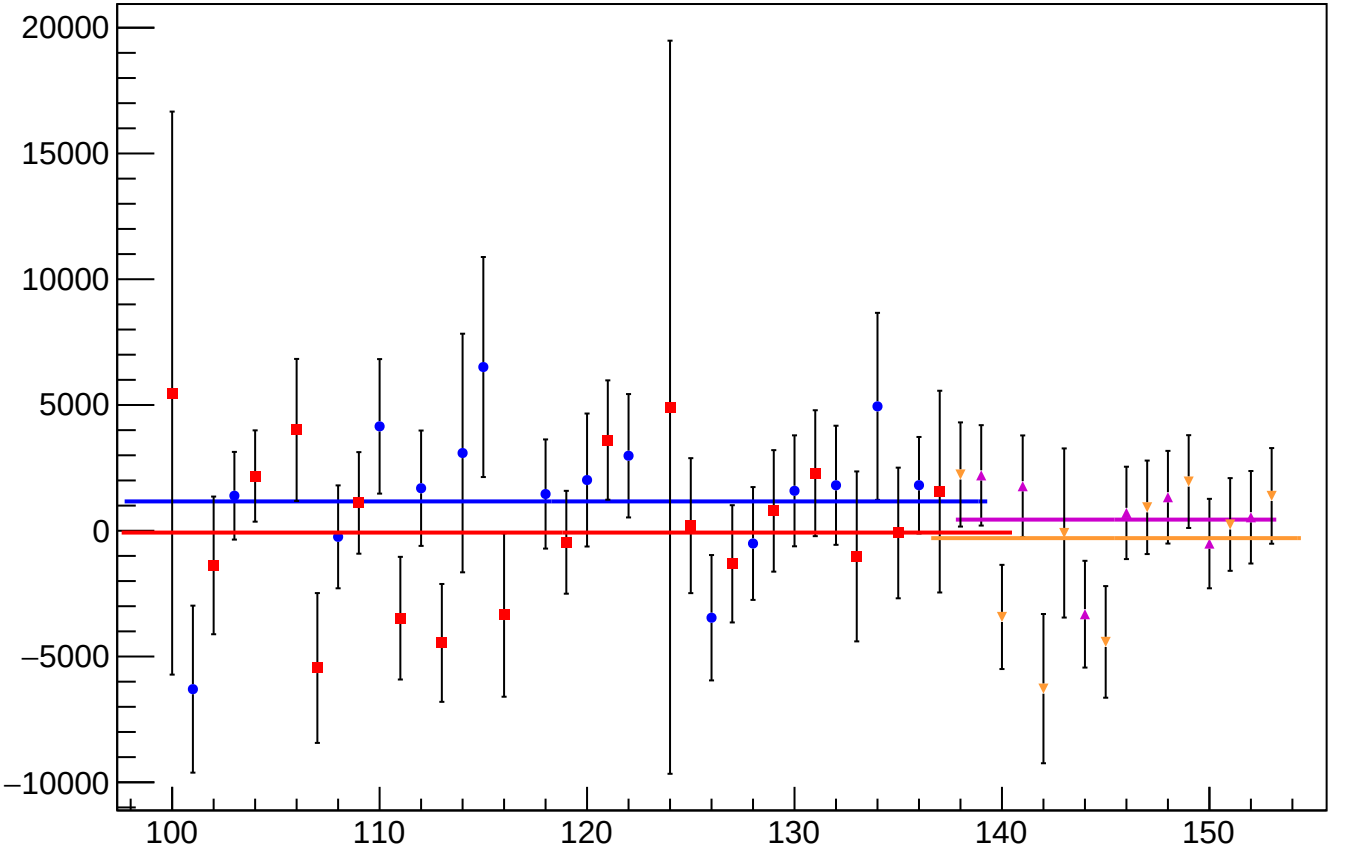
Right: 0.000+/-0.000 χ^2/NDF: 4480530.9/34

In: 0.000+/-0.000 χ^2/NDF:3182147.7/22

Out: 0.000+/-0.000 χ^2/NDF:4782028.8/27

All: 0.000+/-0.000 χ^2/NDF: 9048678.3/50

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: -293.326+/-702.621 χ^2/NDF:14.1/8

Right Out: -72.181+/-603.362 χ^2/NDF: 18.3/18

Left In: 443.336+/-721.416 χ^2/NDF:4.9/6

Left: 65.284+/-503.342 χ^2/NDF: 19.5/15

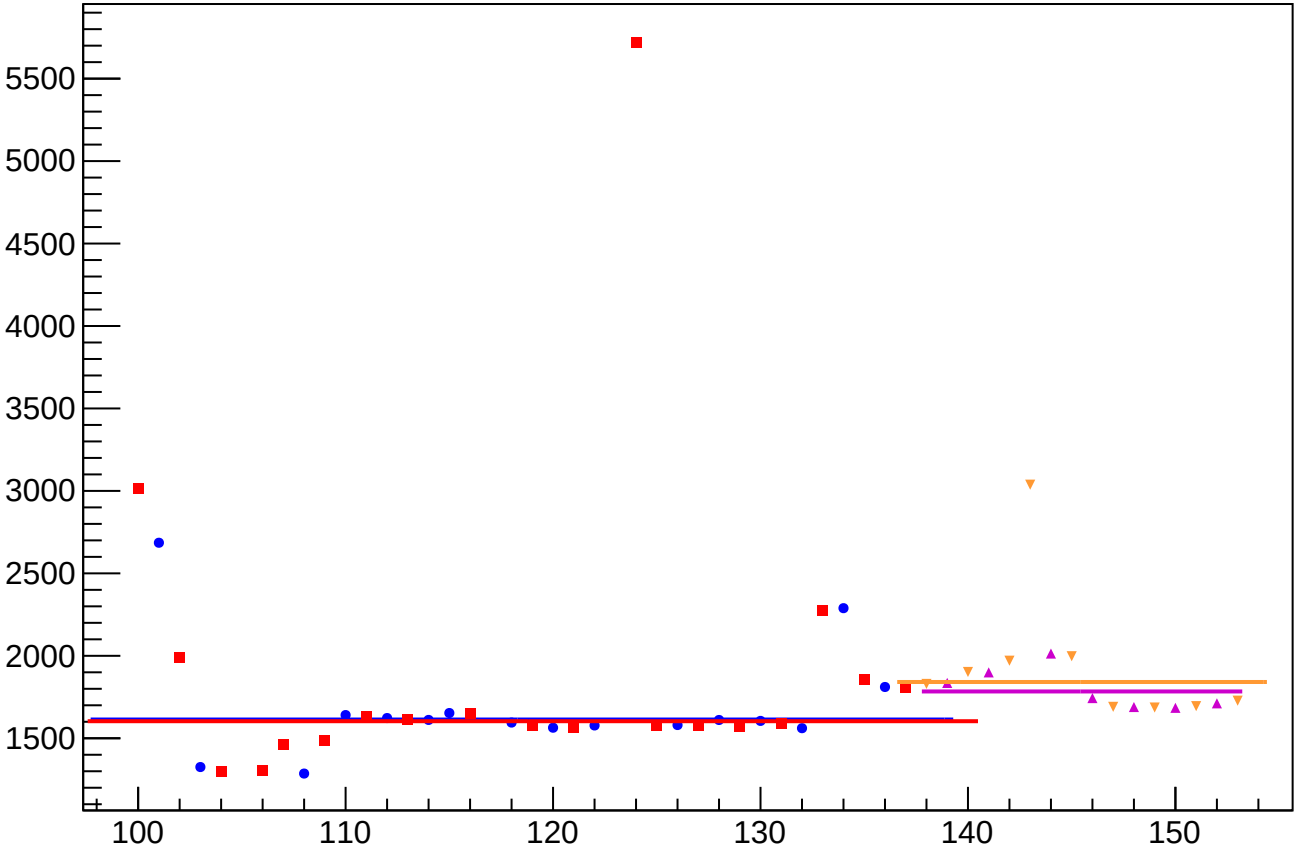
Right: 541.404+/-428.680 χ^2/NDF: 34.8/34

In: 865.703+/-465.433 χ^2/NDF:19.9/22

Out: -166.042+/-457.747 χ^2/NDF:32.4/27

All: 341.241+/-326.359 χ^2/NDF: 54.8/50

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1841.295+/-0.497 χ^2/NDF:315709.0/8

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

Left In: 1783.865+/-0.510 χ^2/NDF:46869.1/6

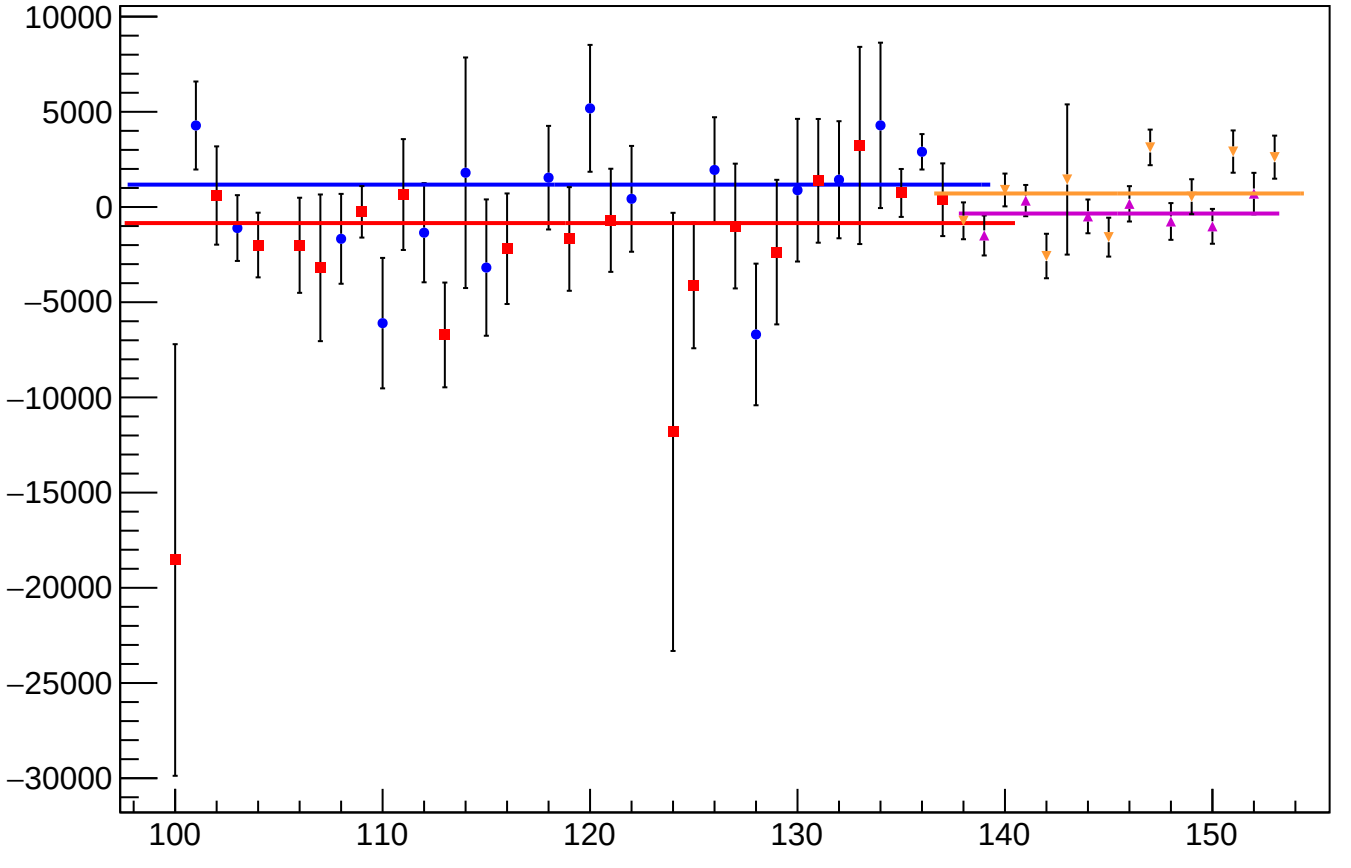
Left: 1813.338+/-0.356 χ^2/NDF: 369082.8/15

Right: 1608.520+/-0.303 χ^2/NDF: 830765.6/34

In: 1684.514+/-0.329 χ^2/NDF:516535.9/22

Out: 1704.407+/-0.324 χ^2/NDF:873395.5/27

All: 1694.626+/-0.231 χ^2/NDF: 1391788.7/50



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 710.757+/-351.441 χ^2/NDF:28.7/8

Right Out: -843.857+/-557.438 χ^2/NDF: 14.3/18

Left In: -342.848+/-355.026 χ^2/NDF:3.9/6

Left: 189.301+/-249.764 χ^2/NDF: 37.1/15

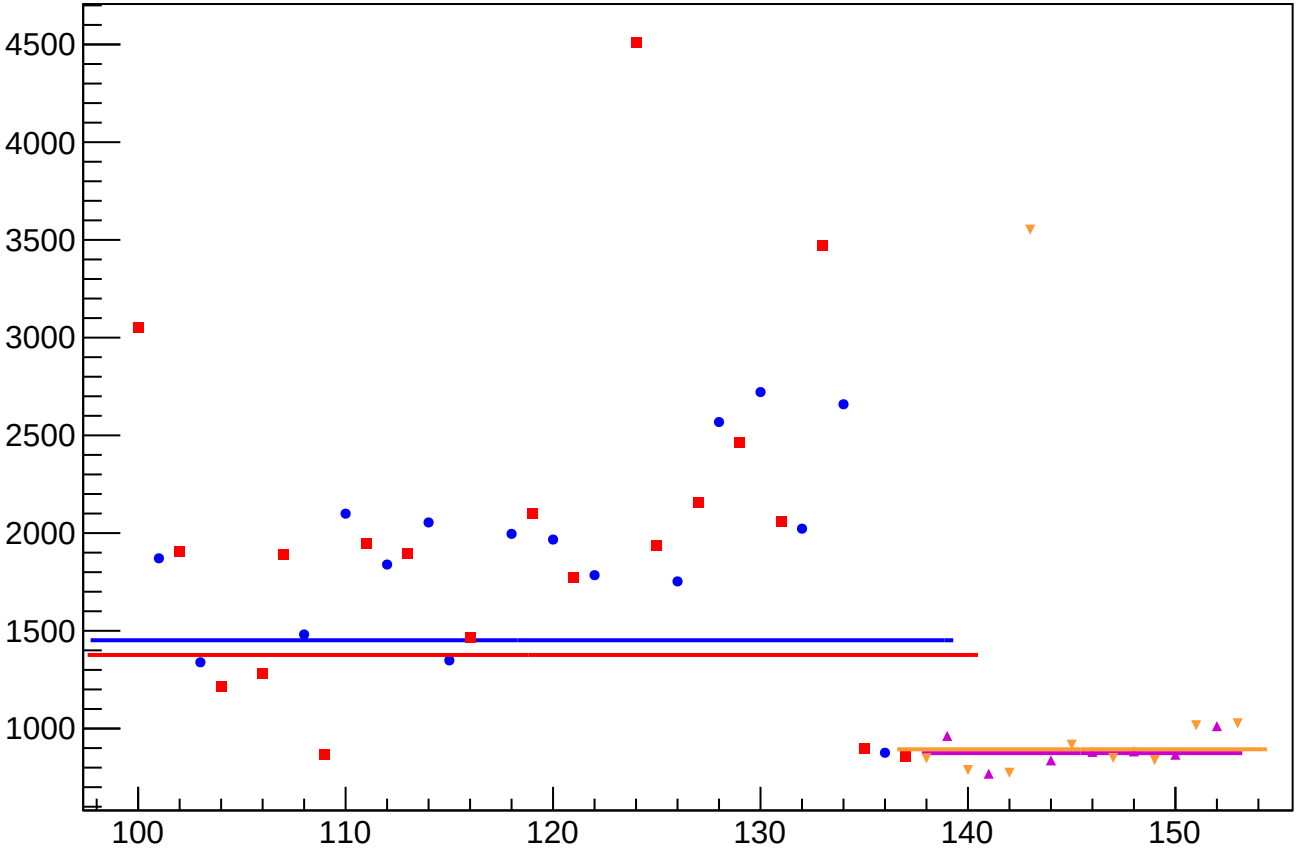
Right: 127.404+/-401.596 χ^2/NDF: 42.6/34

In: 71.962+/-302.669 χ^2/NDF:30.9/22

Out: 268.587+/-297.290 χ^2/NDF:48.6/27

All: 172.037+/-212.092 χ^2/NDF: 79.6/50

asym_at2_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 893.756+/-0.249 χ^2/NDF:1029048.0/8

Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

Left In: 874.242+/-0.251 χ^2/NDF:82949.8/6

Left: 884.098+/-0.177 χ^2/NDF: 1115049.6/15

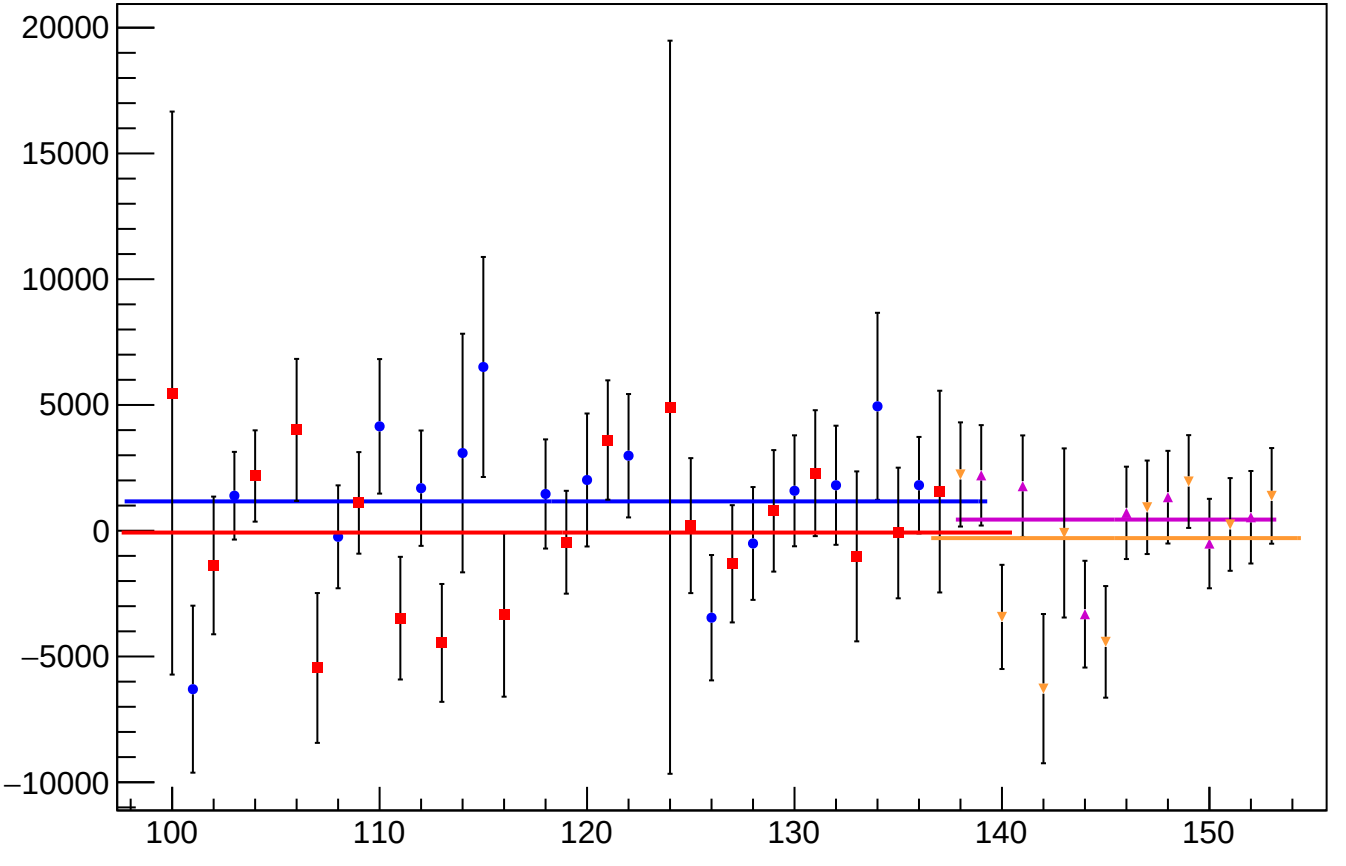
Right: 1412.621+/-0.284 χ^2/NDF: 3940379.2/34

In: 1031.986+/-0.214 χ^2/NDF:3318998.0/22

Out: 1031.052+/-0.210 χ^2/NDF:4234275.1/27

All: 1031.511+/-0.150 χ^2/NDF: 7553282.8/50

cor_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: -293.434+/-702.621 χ^2/NDF:14.1/8

Right Out: -72.499+/-603.362 χ^2/NDF: 18.3/18

Left In: 443.292+/-721.416 χ^2/NDF:4.9/6

Left: 65.206+/-503.342 χ^2/NDF: 19.5/15

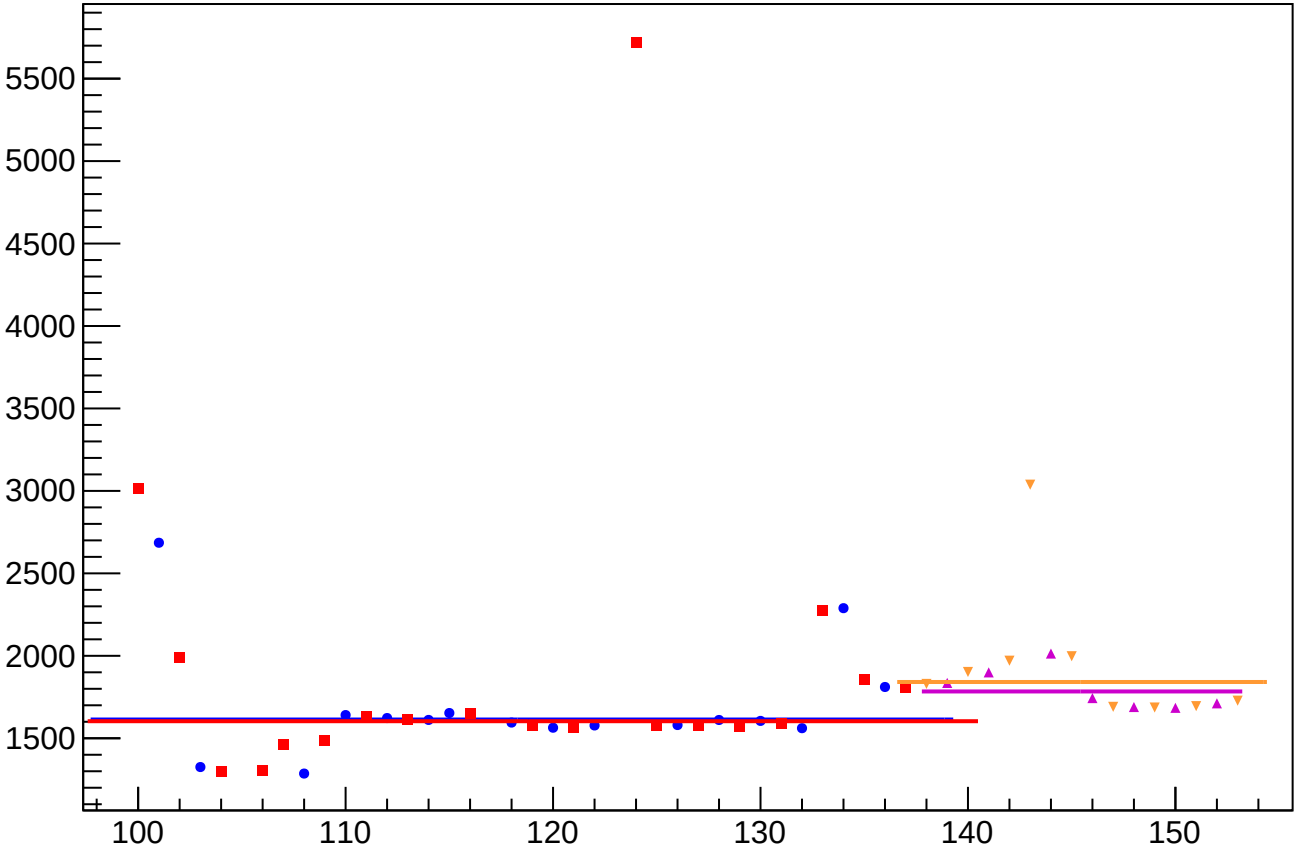
Right: 541.197+/-428.680 χ^2/NDF: 34.8/34

In: 865.630+/-465.433 χ^2/NDF:19.9/22

Out: -166.271+/-457.747 χ^2/NDF:32.4/27

All: 341.089+/-326.359 χ^2/NDF: 54.9/50

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1841.295+/-0.497 χ^2/NDF:315709.0/8

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1783.865+/-0.510 χ^2/NDF:46869.1/6

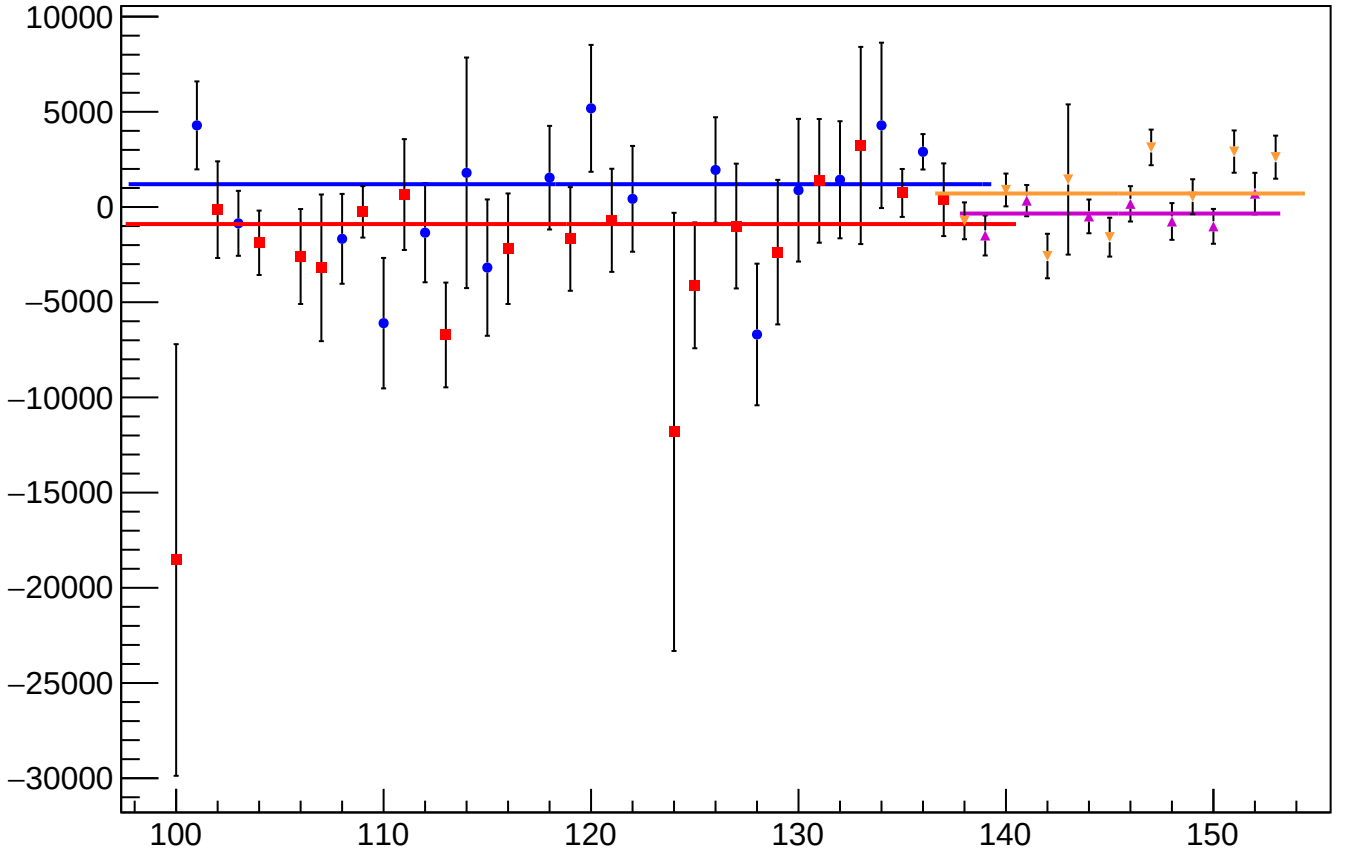
Left: 1813.338+/-0.356 χ^2/NDF: 369082.8/15

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1684.514+/-0.329 χ^2/NDF:516536.3/22

Out: 1704.407+/-0.324 χ^2/NDF:873395.7/27

All: 1694.626+/-0.231 χ^2/NDF: 1391789.2/50



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 710.790+/-351.447 χ^2/NDF:28.7/8

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -342.869+/-355.024 χ^2/NDF:3.9/6

Left: 189.295+/-249.766 χ^2/NDF: 37.1/15

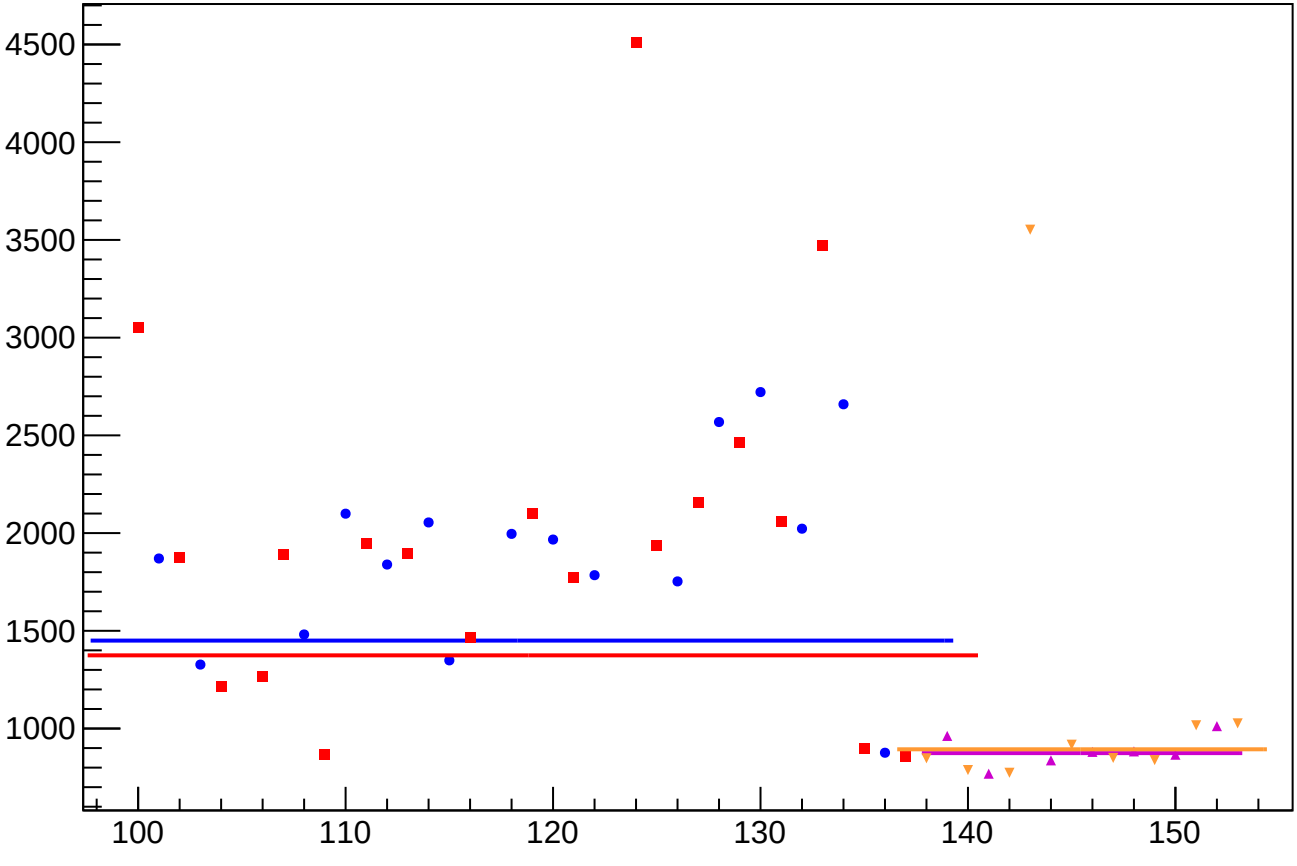
Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: 79.058+/-302.550 χ^2/NDF:30.7/22

Out: 253.015+/-297.176 χ^2/NDF:48.9/27

All: 167.595+/-212.010 χ^2/NDF: 79.8/50

asym_at2_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 893.773+/-0.249 χ^2/NDF:1028988.8/8

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 874.235+/-0.251 χ^2/NDF:82962.4/6

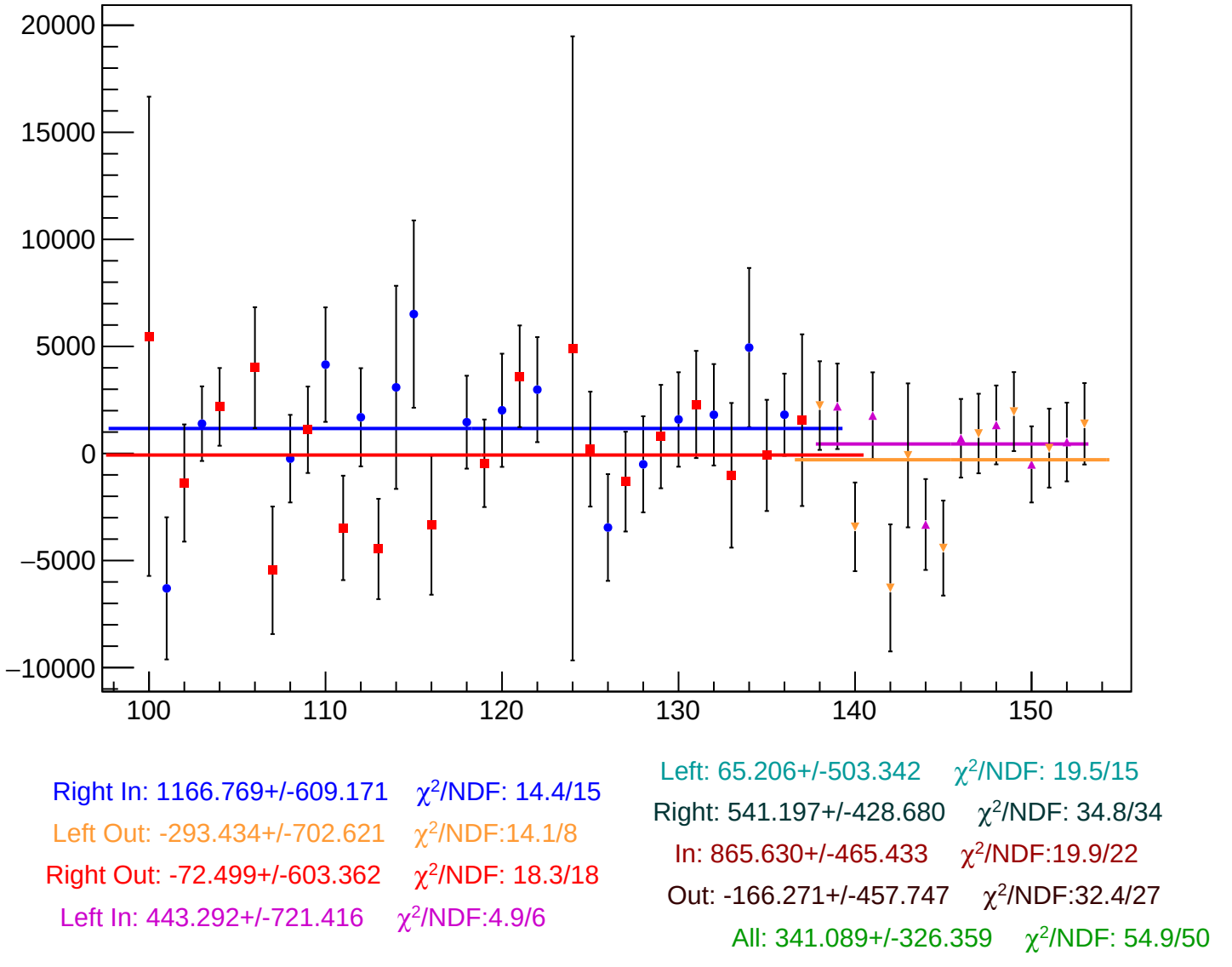
Left: 884.103+/-0.177 χ^2/NDF: 1115010.3/15

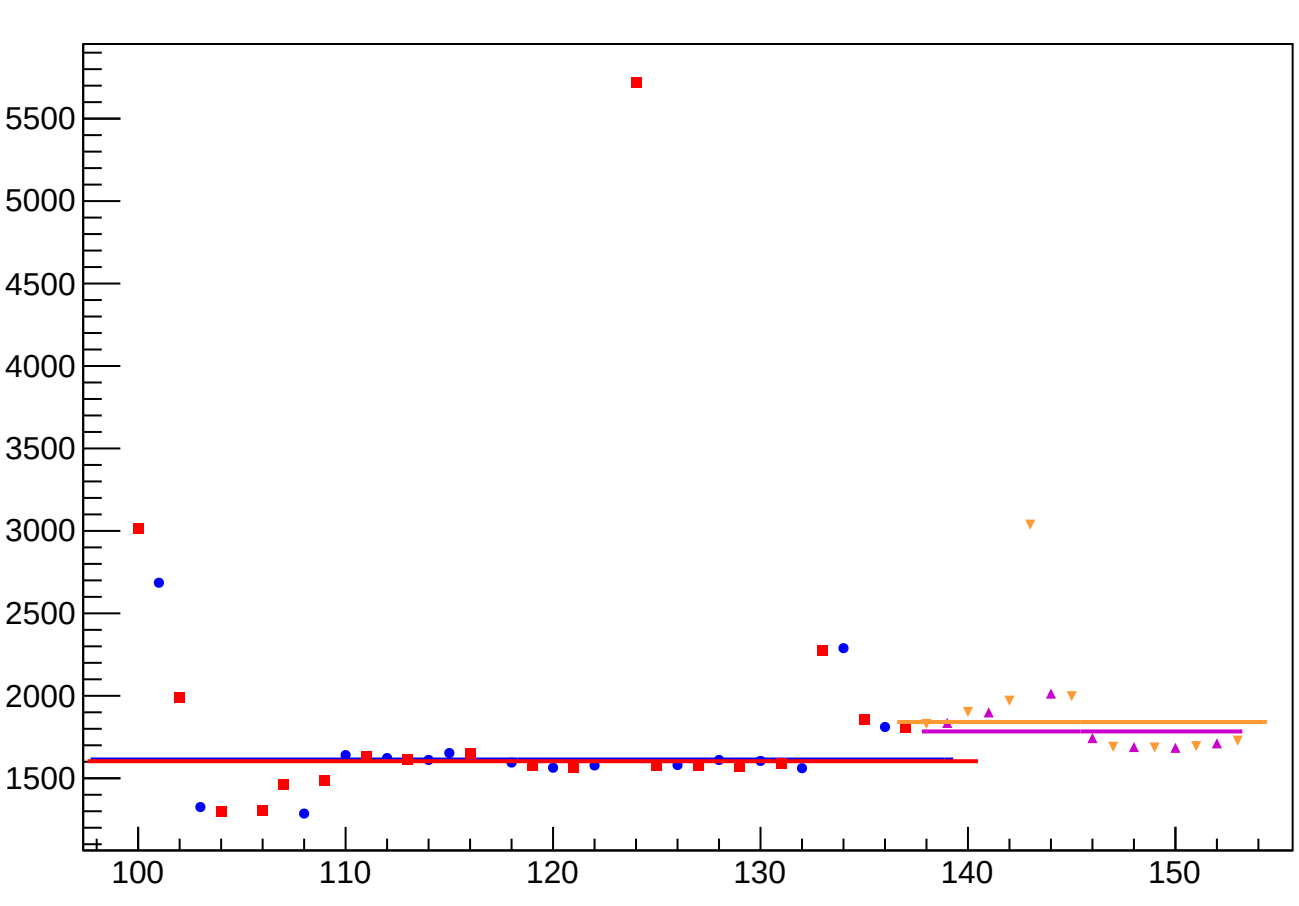
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 1031.842+/-0.214 χ^2/NDF:3315389.6/22

Out: 1030.760+/-0.210 χ^2/NDF:4222870.8/27

All: 1031.292+/-0.150 χ^2/NDF: 7538273.4/50


eigen_cor_asym_at2_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: 1166.769+/-609.171 χ²/NDF: 14.4/15
Left Out: -293.434+/-702.621 χ²/NDF:14.1/8
Right Out: -72.499+/-603.362 χ²/NDF: 18.3/18
Left In: 443.292+/-721.416 χ²/NDF:4.9/6
Left: 65.206+/-503.342 χ²/NDF: 19.5/15
Right: 541.197+/-428.680 χ²/NDF: 34.8/34
In: 865.630+/-465.433 χ²/NDF:19.9/22
Out: -166.271+/-457.747 χ²/NDF:32.4/27
All: 341.089+/-326.359 χ²/NDF: 54.9/50



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1841.295+/-0.497 χ^2/NDF:315709.0/8

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1783.865+/-0.510 χ^2/NDF:46869.1/6

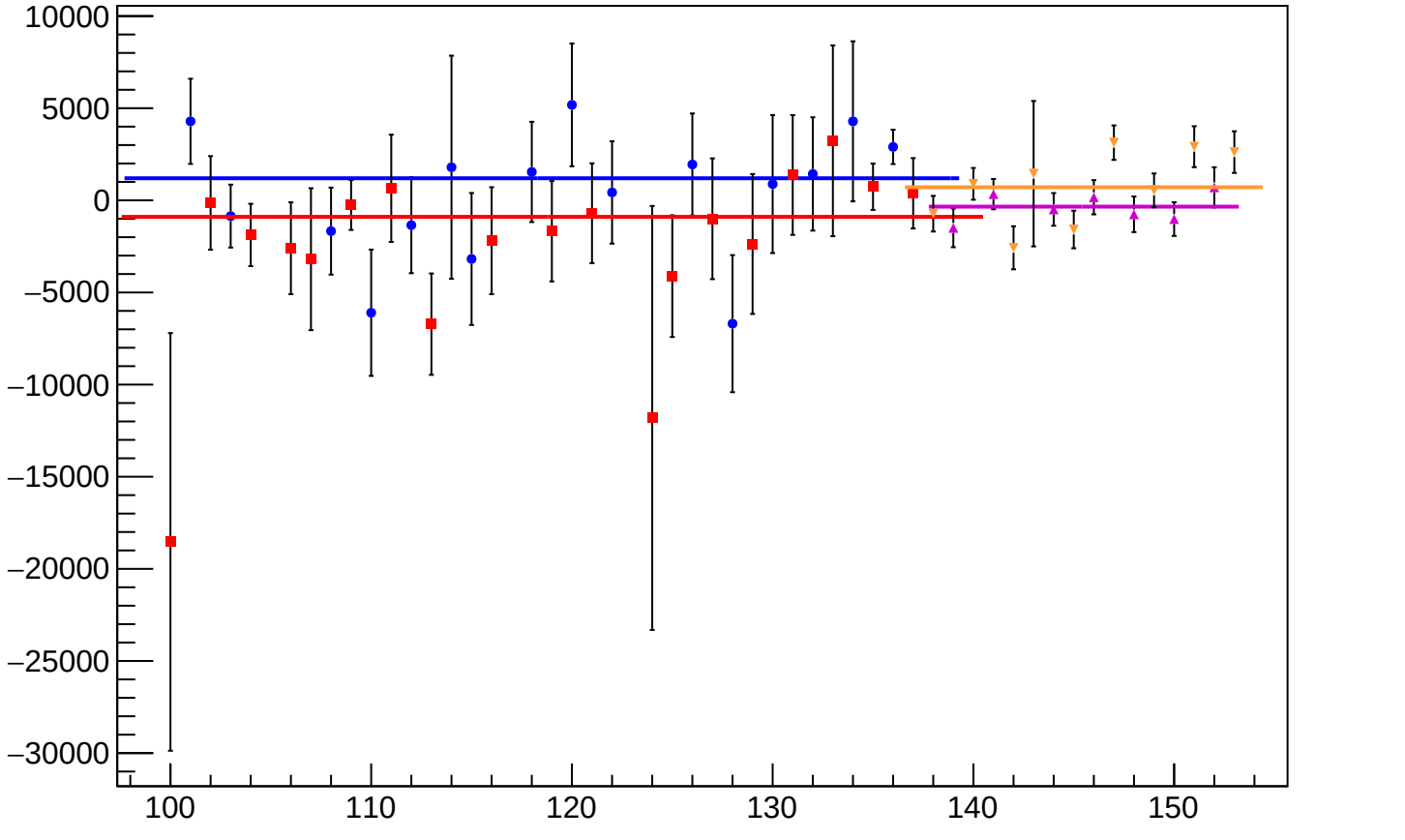
Left: 1813.338+/-0.356 χ^2/NDF: 369082.8/15

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1684.514+/-0.329 χ^2/NDF:516536.3/22

Out: 1704.407+/-0.324 χ^2/NDF:873395.7/27

All: 1694.626+/-0.231 χ^2/NDF: 1391789.2/50



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 710.790+/-351.447 χ^2/NDF:28.7/8

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -342.869+/-355.024 χ^2/NDF:3.9/6

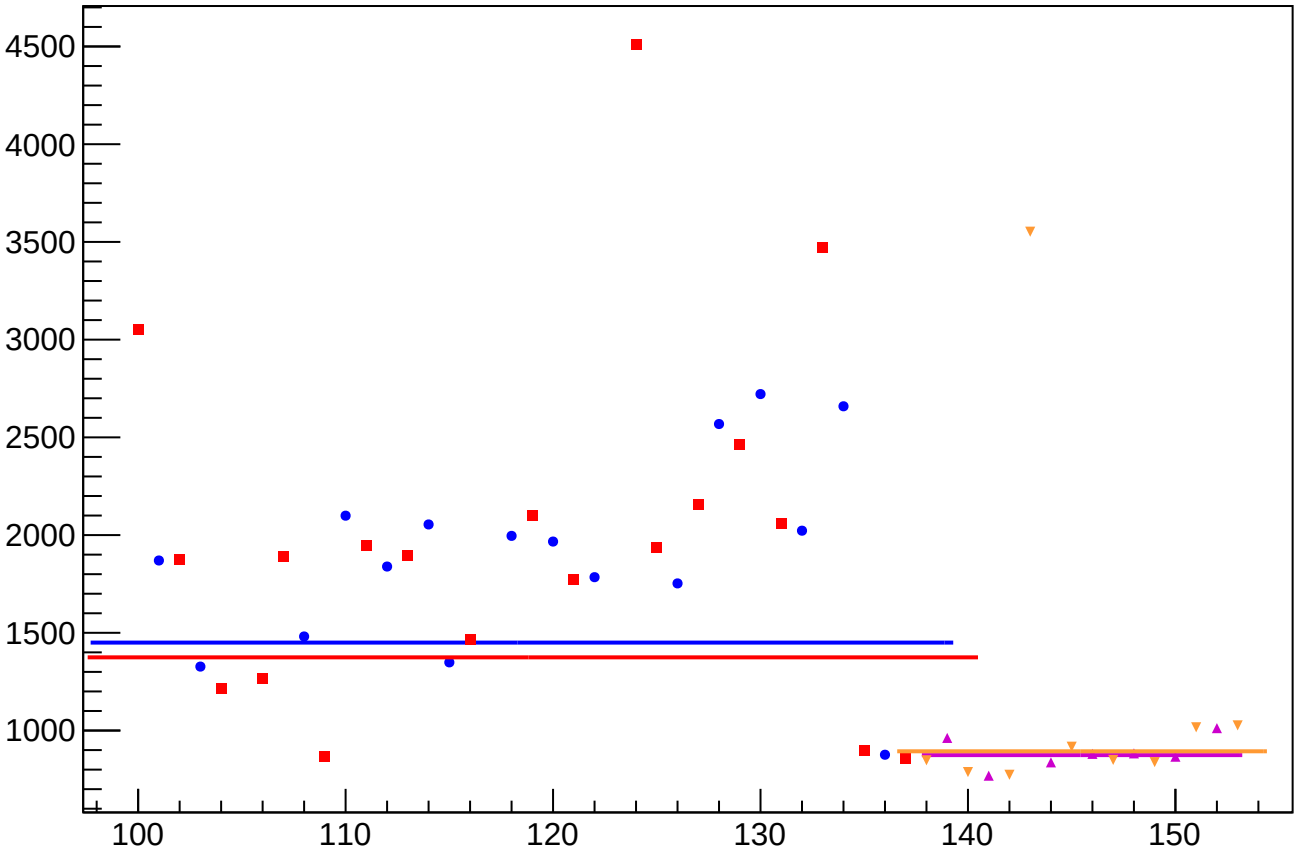
Left: 189.295+/-249.766 χ^2/NDF: 37.1/15

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: 79.058+/-302.550 χ^2/NDF:30.7/22

Out: 253.015+/-297.176 χ^2/NDF:48.9/27

All: 167.595+/-212.010 χ^2/NDF: 79.8/50



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 893.773+/-0.249 χ^2/NDF:1028988.8/8

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 874.235+/-0.251 χ^2/NDF:82962.4/6

Left: 884.103+/-0.177 χ^2/NDF: 1115010.3/15

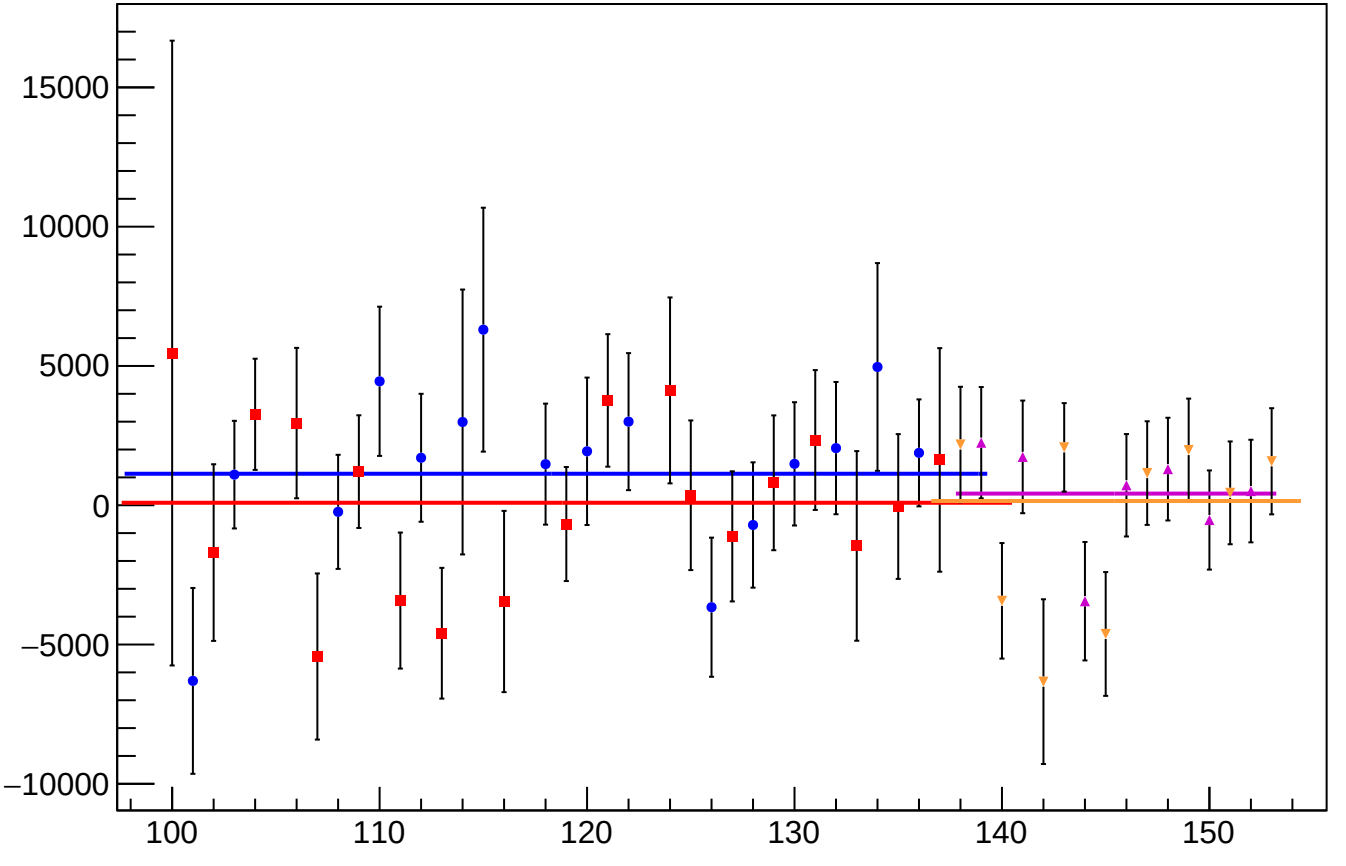
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 1031.842+/-0.214 χ^2/NDF:3315389.6/22

Out: 1030.760+/-0.210 χ^2/NDF:4222870.8/27

All: 1031.292+/-0.150 χ^2/NDF: 7538273.4/50

dit_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: 152.086+/-655.075 χ^2/NDF:16.7/8

Right Out: 89.220+/-603.072 χ^2/NDF: 20.7/18

Left In: 418.087+/-722.236 χ^2/NDF:5.1/6

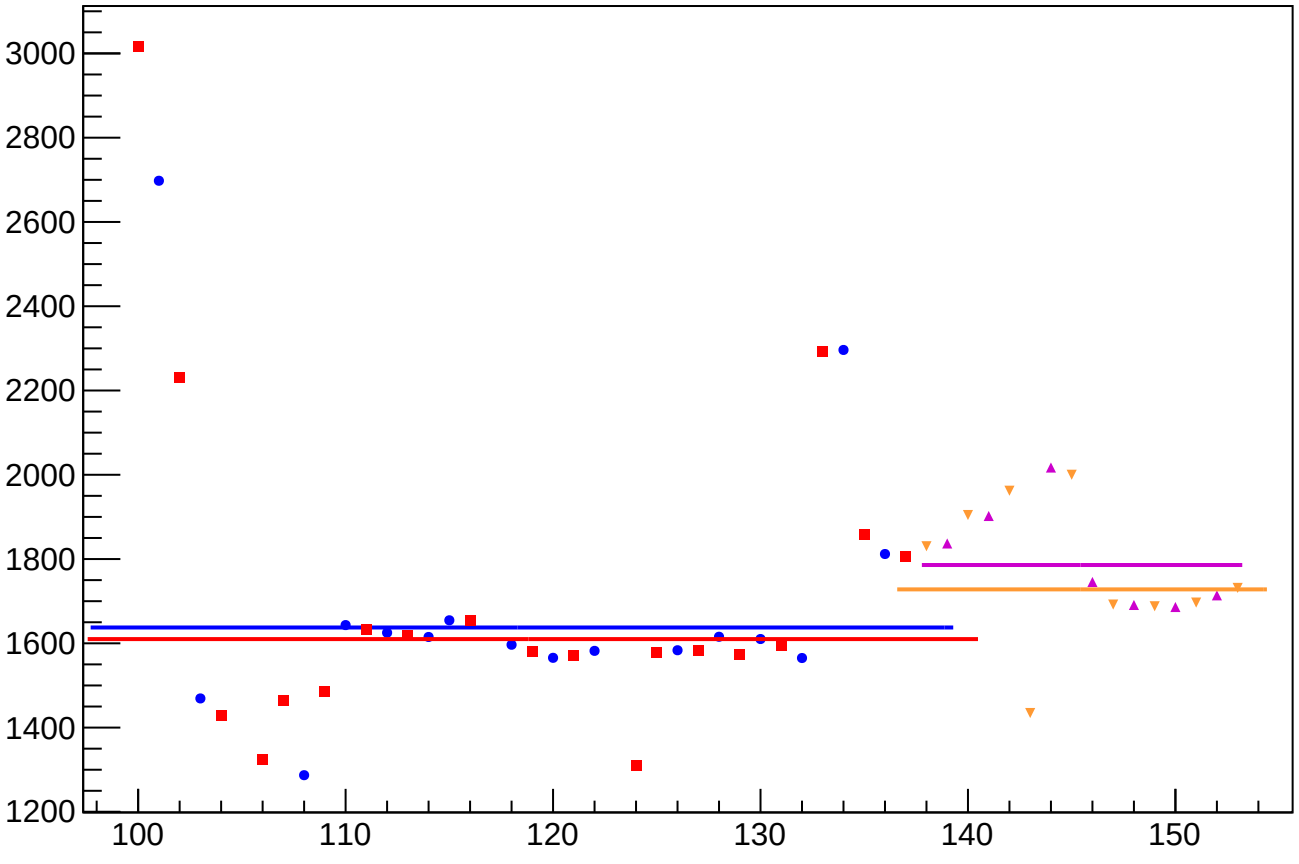
Left: 272.146+/-485.218 χ^2/NDF: 21.9/15

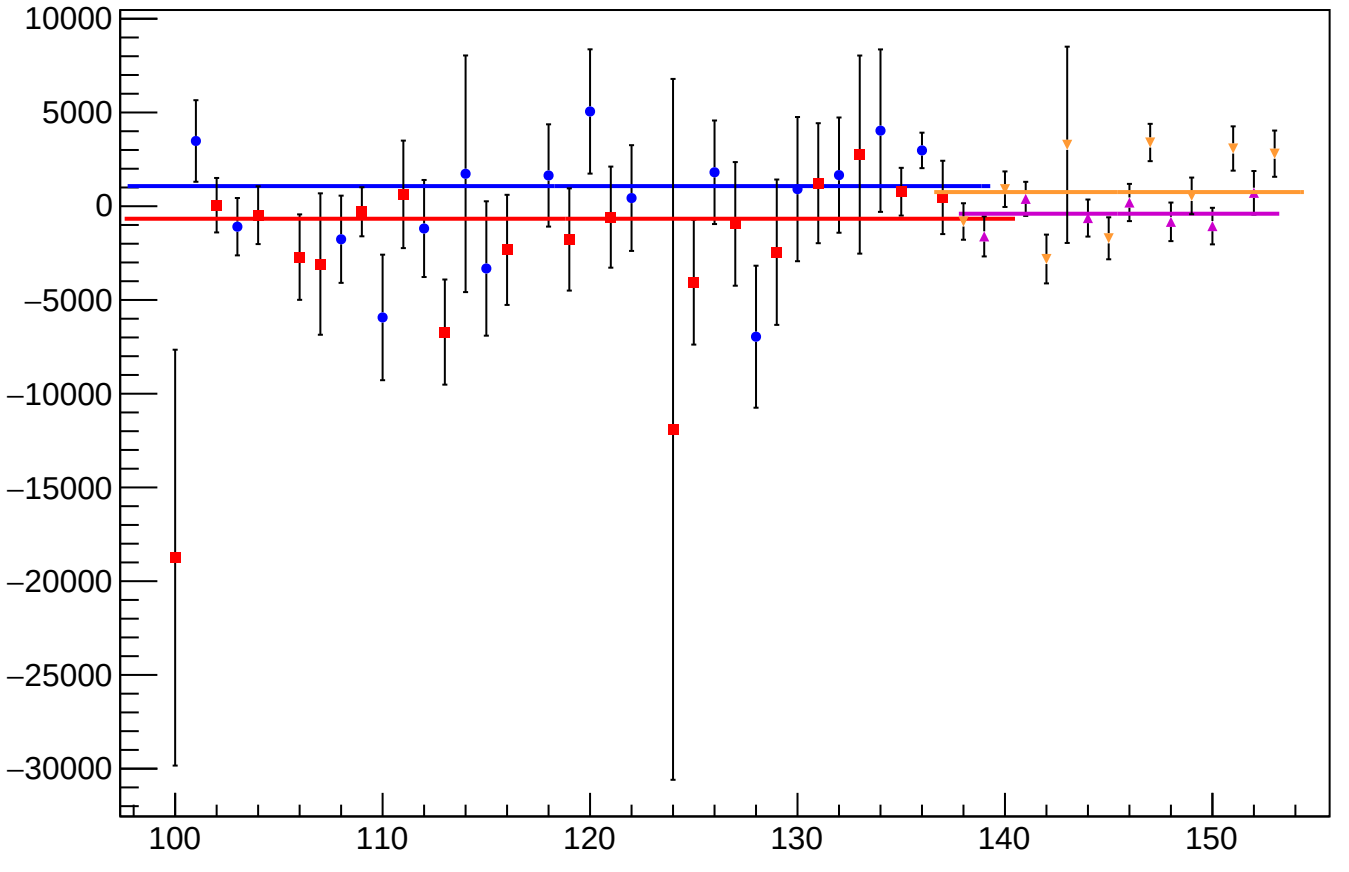
Right: 597.886+/-431.357 χ^2/NDF: 37.1/34

In: 829.928+/-469.225 χ^2/NDF:20.7/22

Out: 118.059+/-443.683 χ^2/NDF:37.4/27

All: 454.092+/-322.383 χ^2/NDF: 59.3/50


dit_asym_at2_dd_rms vs Slug, Sign Corrected
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
100
110
120
130
140
150
Right In: 1637.574+/-0.436 χ²/NDF: 361417.0/15
Left Out: 1728.008+/-0.463 χ²/NDF:132441.8/8
Right Out: 1610.043+/-0.426 χ²/NDF: 280812.5/18
Left In: 1785.854+/-0.511 χ²/NDF:47188.0/6
Left: 1754.117+/-0.343 χ²/NDF: 186668.8/15
Right: 1623.489+/-0.305 χ²/NDF: 644265.1/34
In: 1700.161+/-0.332 χ²/NDF:457324.2/22
Out: 1664.158+/-0.314 χ²/NDF:448358.8/27
All: 1681.153+/-0.228 χ²/NDF: 911899.6/50



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: 755.098+/-377.344 χ^2/NDF:29.0/8

Right Out: -667.777+/-523.477 χ^2/NDF: 13.6/18

Left In: -400.149+/-381.762 χ^2/NDF:4.0/6

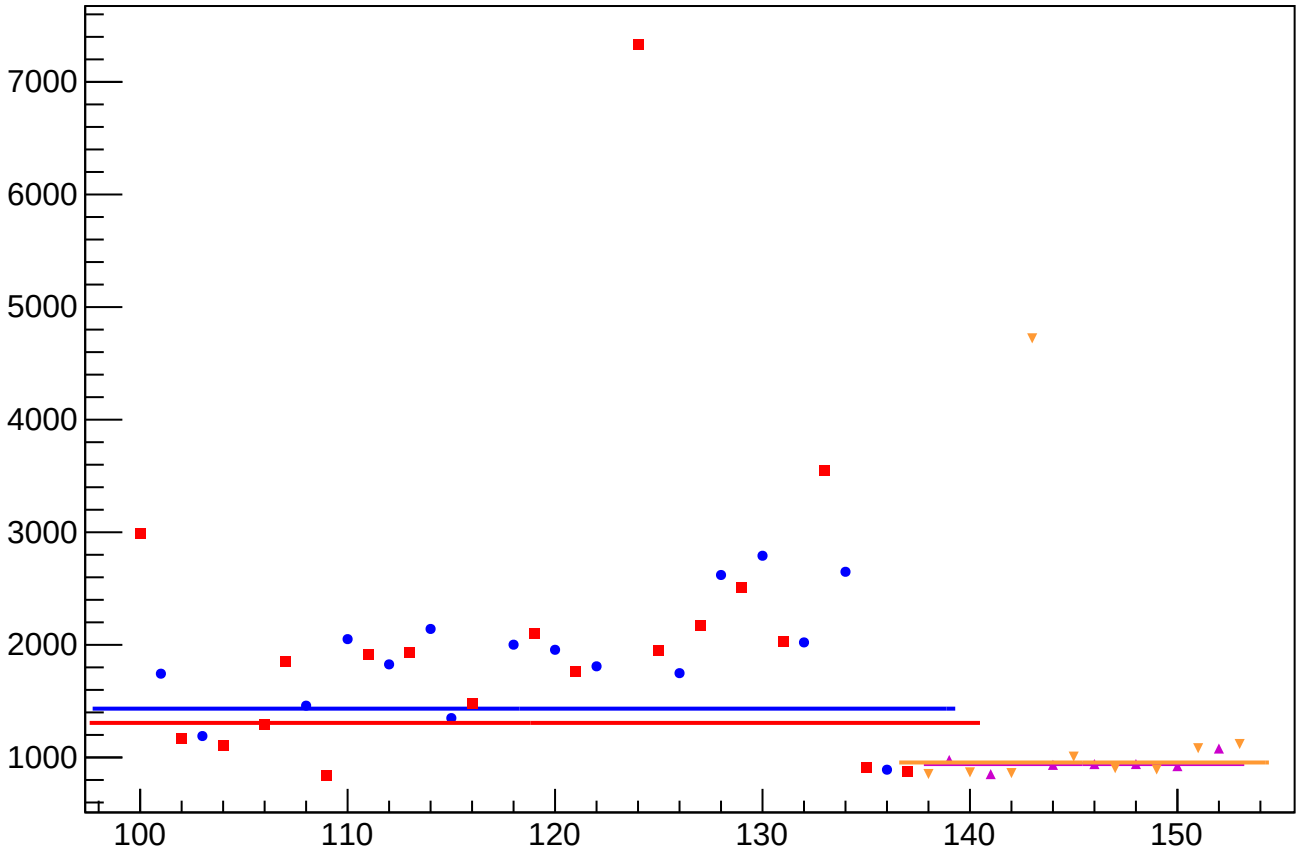
Left: 184.198+/-268.371 χ^2/NDF: 37.6/15

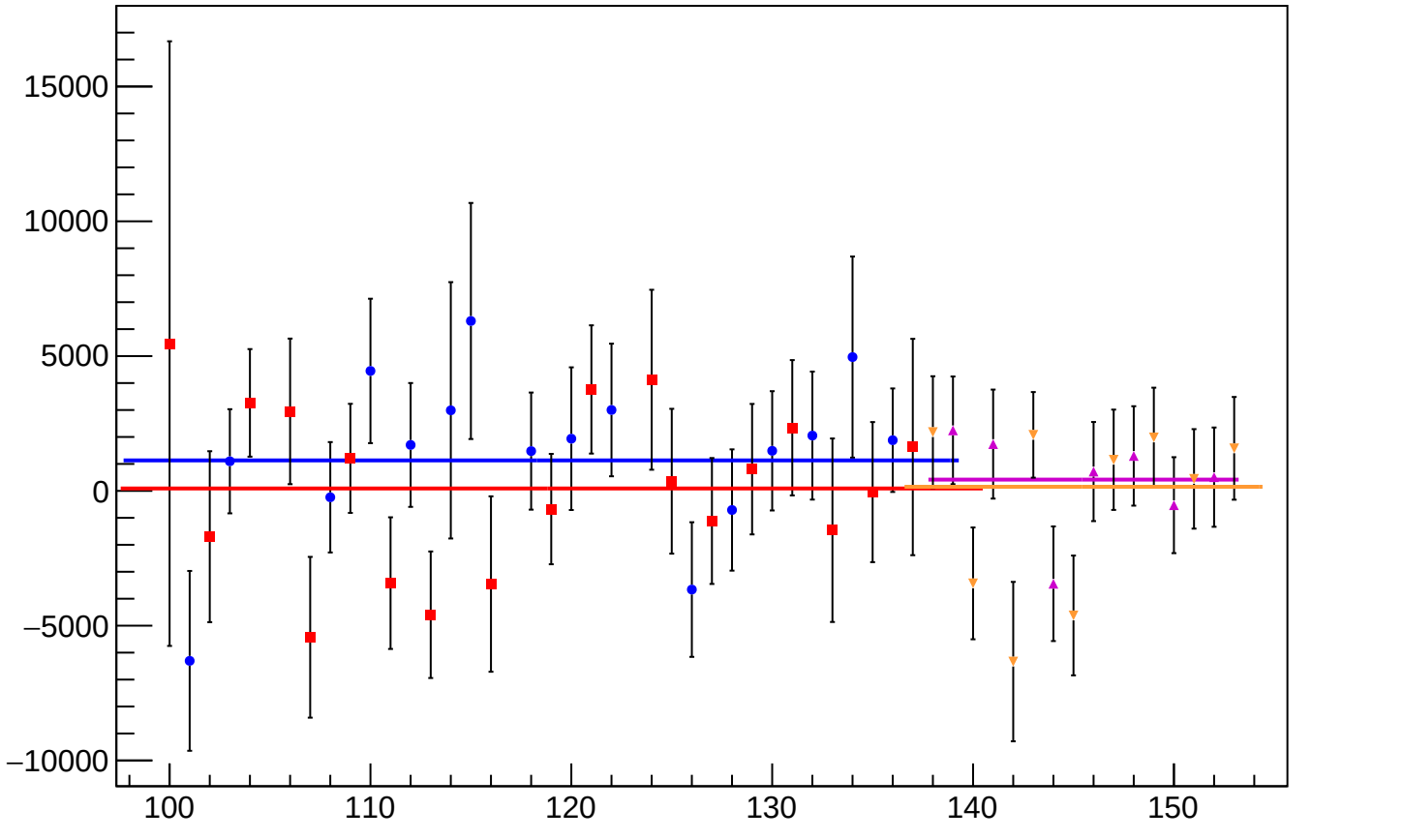
Right: 126.521+/-386.051 χ^2/NDF: 40.6/34

In: 54.448+/-317.468 χ^2/NDF:30.6/22

Out: 268.564+/-306.105 χ^2/NDF:47.4/27

All: 165.406+/-220.357 χ^2/NDF: 78.3/50


asym_at2_dd_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
Right In: 1433.477+/-0.404 χ²/NDF: 1763491.8/15
Left Out: 955.258+/-0.267 χ²/NDF:1161513.1/8
Right Out: 1306.866+/-0.370 χ²/NDF: 2183906.3/18
Left In: 941.336+/-0.270 χ²/NDF:50662.5/6
Left: 948.378+/-0.190 χ²/NDF: 1213520.9/15
Right: 1364.618+/-0.273 χ²/NDF: 4000764.0/34
In: 1093.143+/-0.224 χ²/NDF:2839395.5/22
Out: 1075.486+/-0.216 χ²/NDF:3939191.7/27
All: 1083.993+/-0.156 χ²/NDF: 6781793.4/50



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: 152.077+/-655.075 χ^2/NDF:16.7/8

Right Out: 89.225+/-603.072 χ^2/NDF: 20.7/18

Left In: 418.080+/-722.236 χ^2/NDF:5.1/6

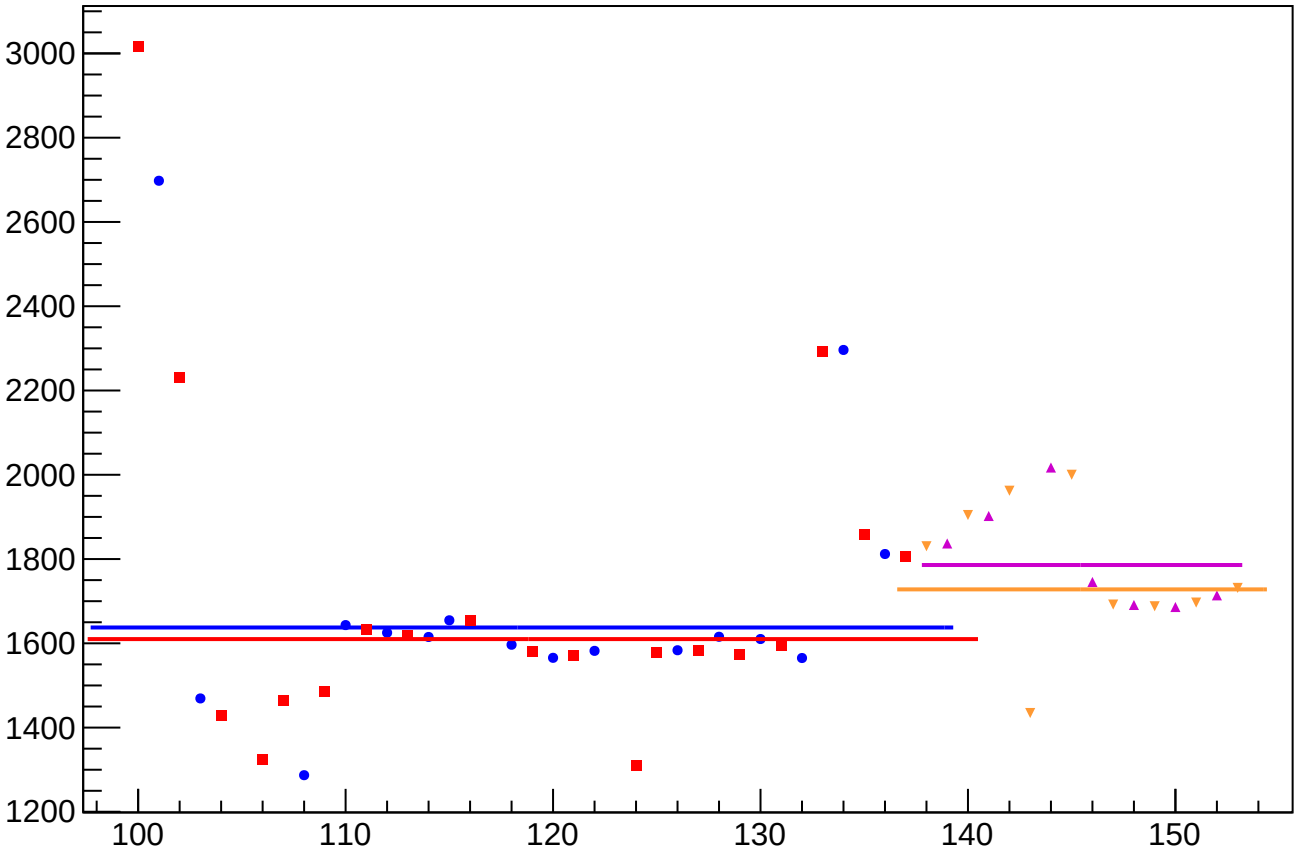
Left: 272.138+/-485.218 χ^2/NDF: 21.9/15

Right: 597.890+/-431.357 χ^2/NDF: 37.1/34

In: 829.926+/-469.225 χ^2/NDF:20.7/22

Out: 118.058+/-443.683 χ^2/NDF:37.4/27

All: 454.091+/-322.383 χ^2/NDF: 59.3/50



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1728.009+/-0.463 χ^2/NDF:132440.7/8

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

Left In: 1785.854+/-0.511 χ^2/NDF:47188.1/6

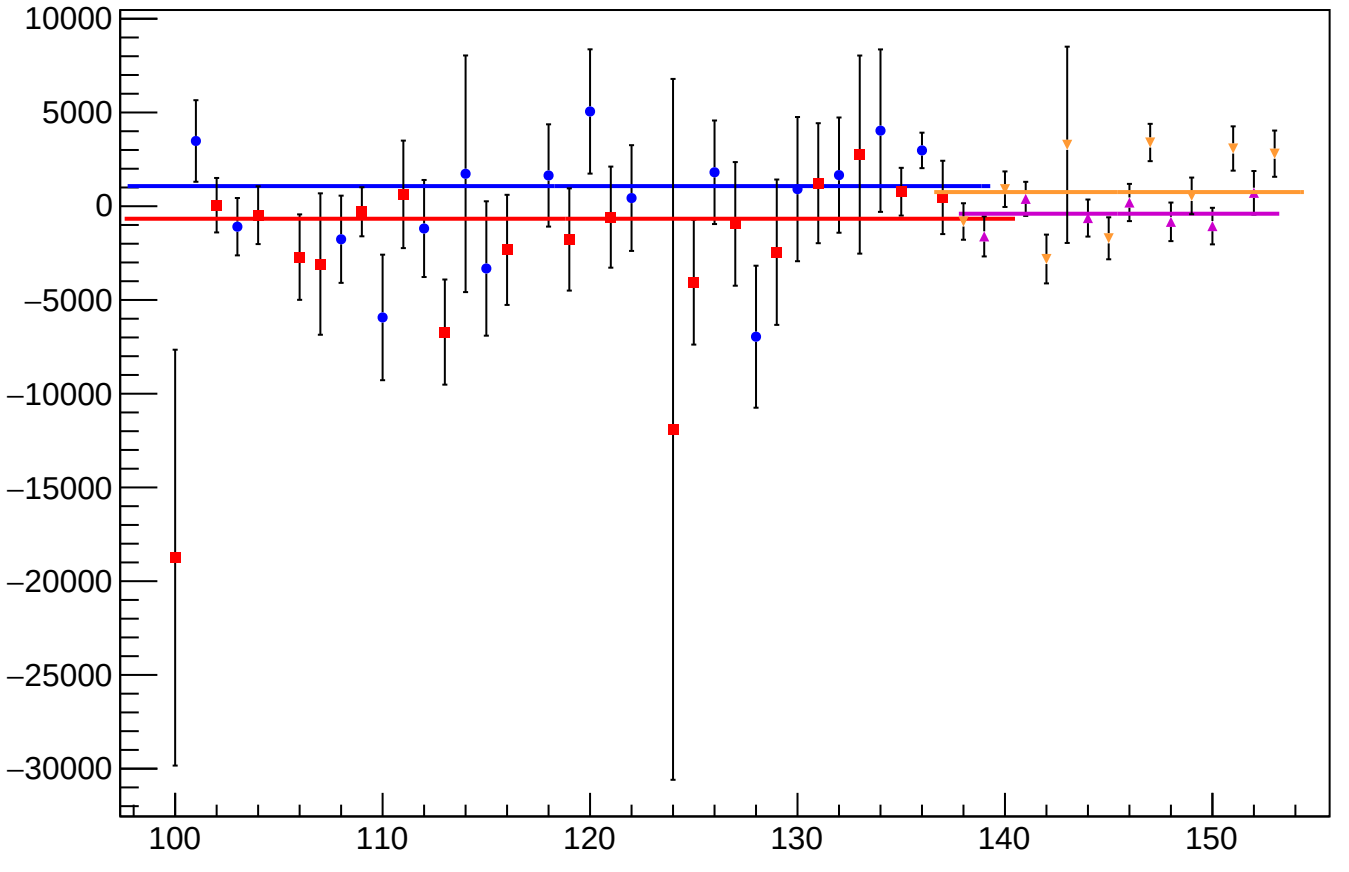
Left: 1754.117+/-0.343 χ^2/NDF: 186667.7/15

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1700.161+/-0.332 χ^2/NDF:457324.1/22

Out: 1664.158+/-0.314 χ^2/NDF:448358.3/27

All: 1681.153+/-0.228 χ^2/NDF: 911898.9/50



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: 755.114+/-377.346 χ^2/NDF:29.0/8

Right Out: -667.789+/-523.481 χ^2/NDF: 13.6/18

Left In: -400.151+/-381.763 χ^2/NDF:4.0/6

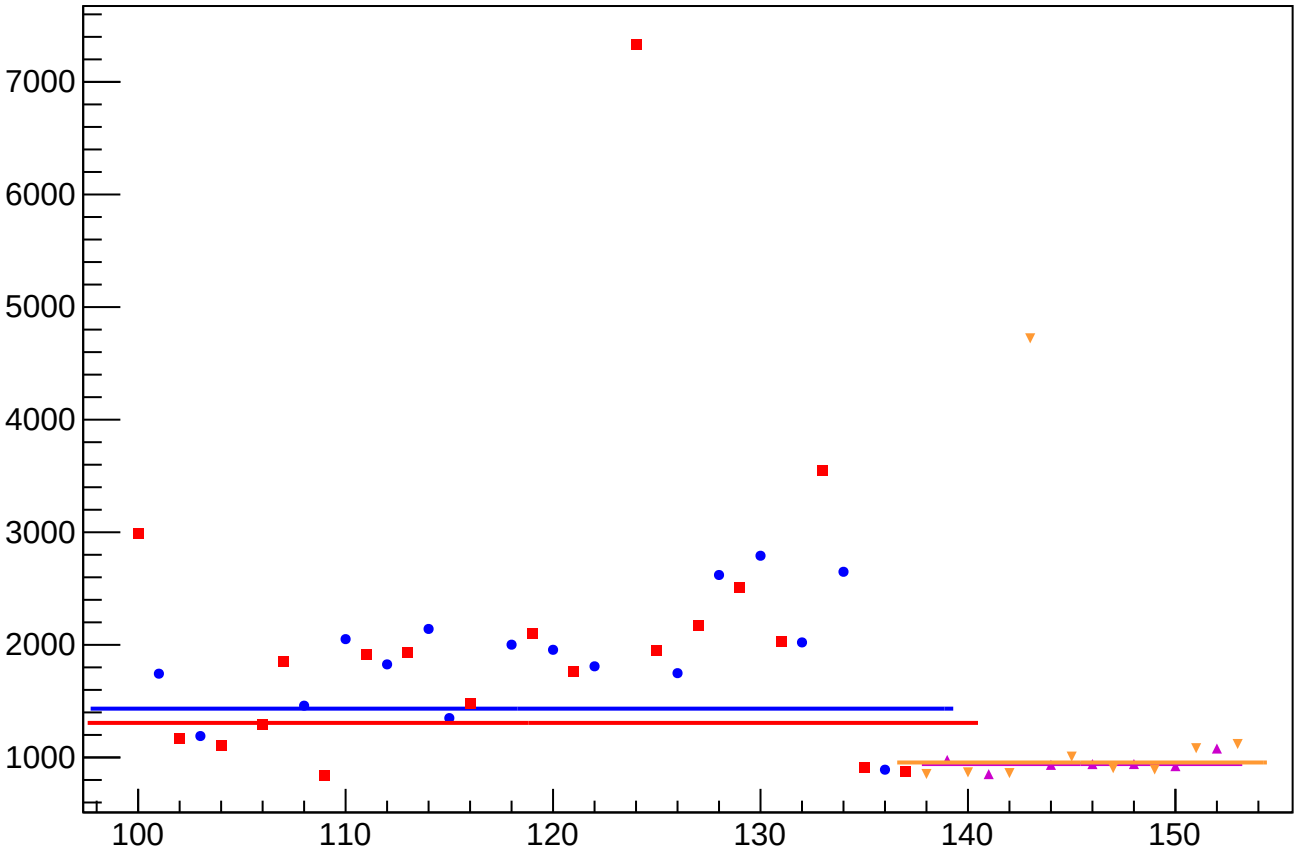
Left: 184.203+/-268.372 χ^2/NDF: 37.6/15

Right: 126.509+/-386.053 χ^2/NDF: 40.6/34

In: 54.440+/-317.469 χ^2/NDF:30.6/22

Out: 268.571+/-306.107 χ^2/NDF:47.4/27

All: 165.406+/-220.358 χ^2/NDF: 78.3/50


asym_at2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
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2000
1000
100
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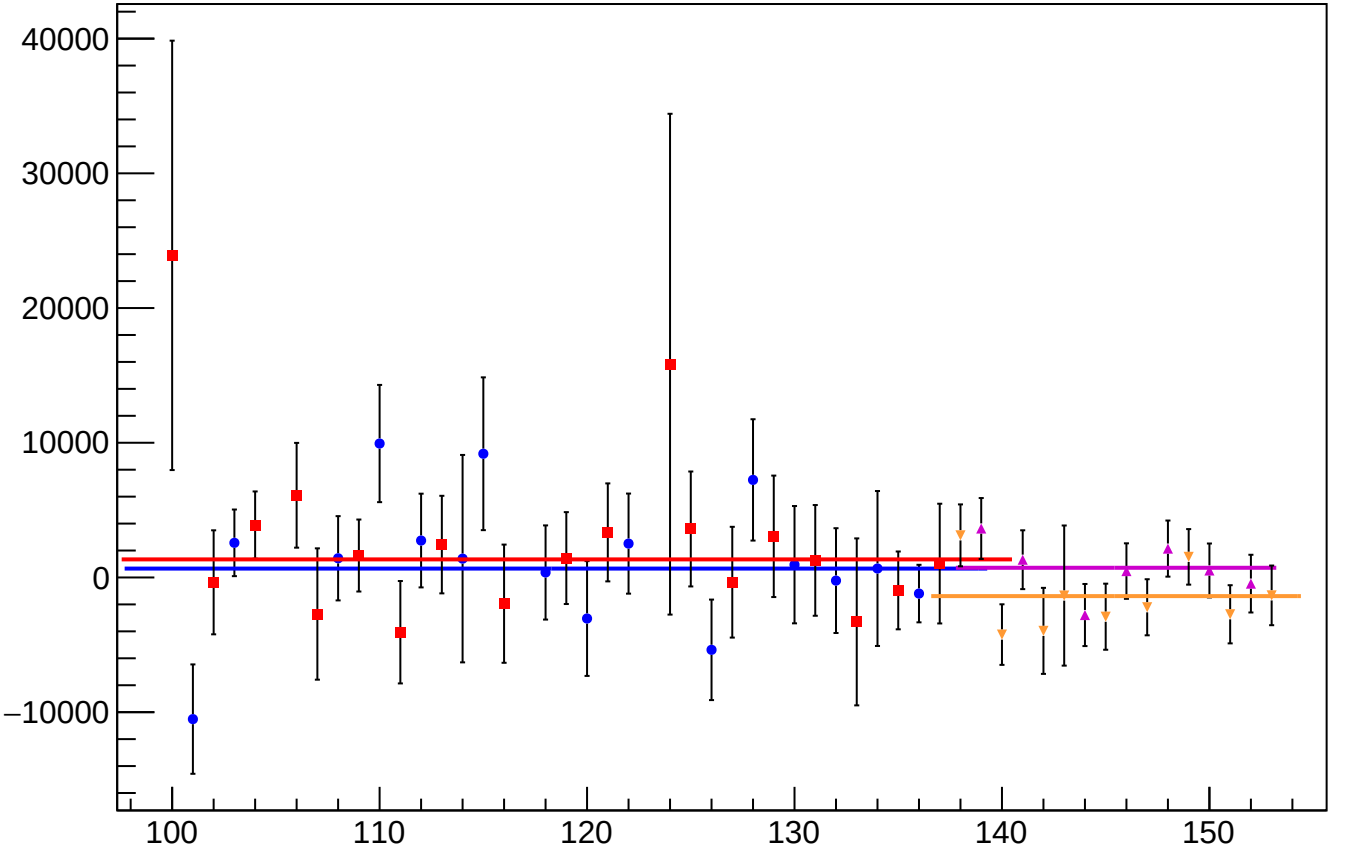
120
130
140
150
Right In: 1433.492+/-0.404 χ²/NDF: 1763397.4/15
Left Out: 955.264+/-0.267 χ²/NDF:1161497.5/8
Right Out: 1306.880+/-0.370 χ²/NDF: 2183835.0/18
Left In: 941.337+/-0.270 χ²/NDF:50663.7/6
Left: 948.382+/-0.190 χ²/NDF: 1213507.3/15
Right: 1364.632+/-0.273 χ²/NDF: 4000599.5/34
In: 1093.148+/-0.224 χ²/NDF:2839350.6/22
Out: 1075.494+/-0.216 χ²/NDF:3939123.1/27
All: 1083.999+/-0.156 χ²/NDF: 6781678.6/50

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -1384.271+/-797.338 χ^2/NDF:9.1/8

Right Out: 1341.998+/-890.576 χ^2/NDF: 10.8/18

Left In: 718.938+/-809.195 χ^2/NDF:4.8/6

Left: -348.188+/-567.949 χ^2/NDF: 17.3/15

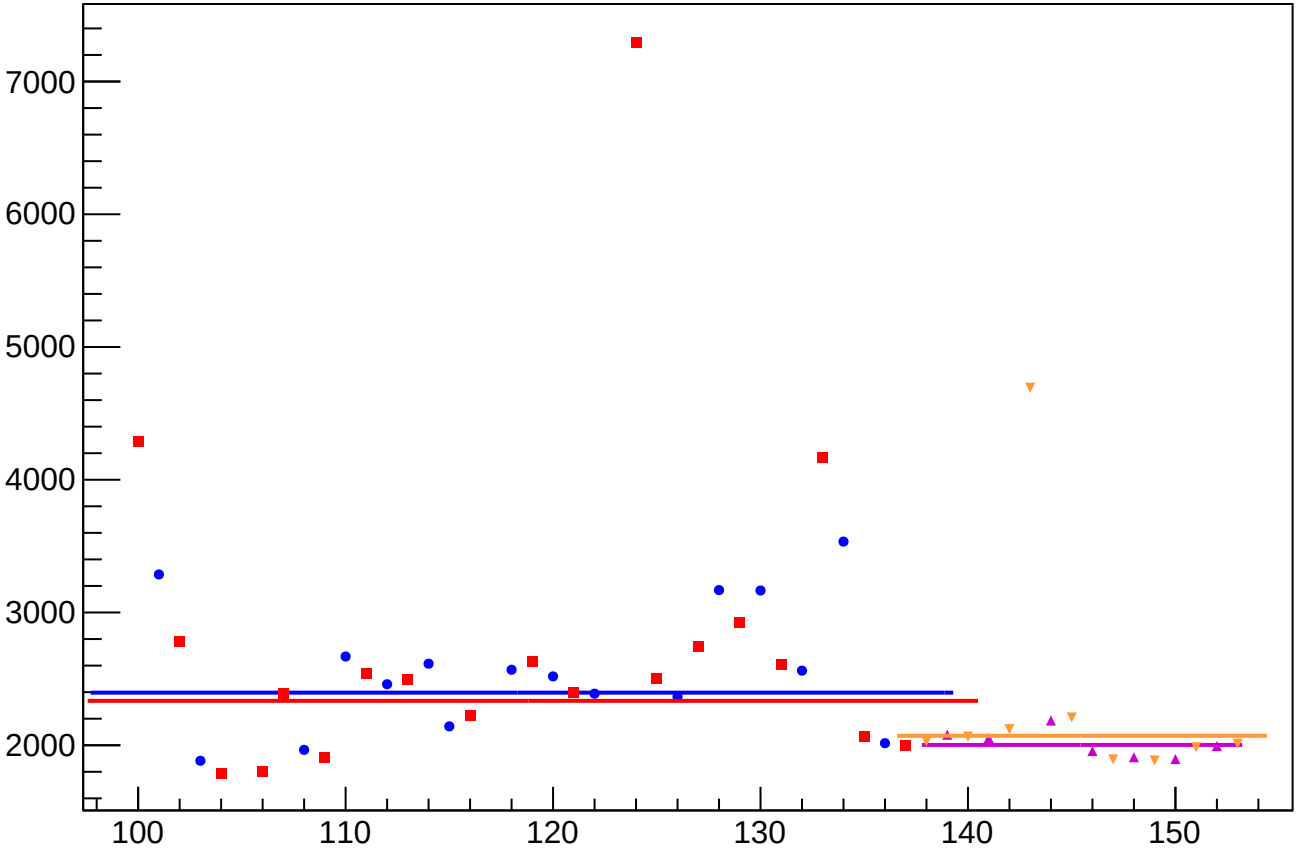
Right: 1007.929+/-636.341 χ^2/NDF: 33.1/34

In: 692.660+/-604.573 χ^2/NDF:26.8/22

Out: -171.273+/-594.041 χ^2/NDF:25.1/27

All: 253.103+/-423.725 χ^2/NDF: 53.0/50

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 2071.227+/-0.564 χ^2/NDF:551383.1/8

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

Left In: 2002.397+/-0.572 χ^2/NDF:26806.2/6

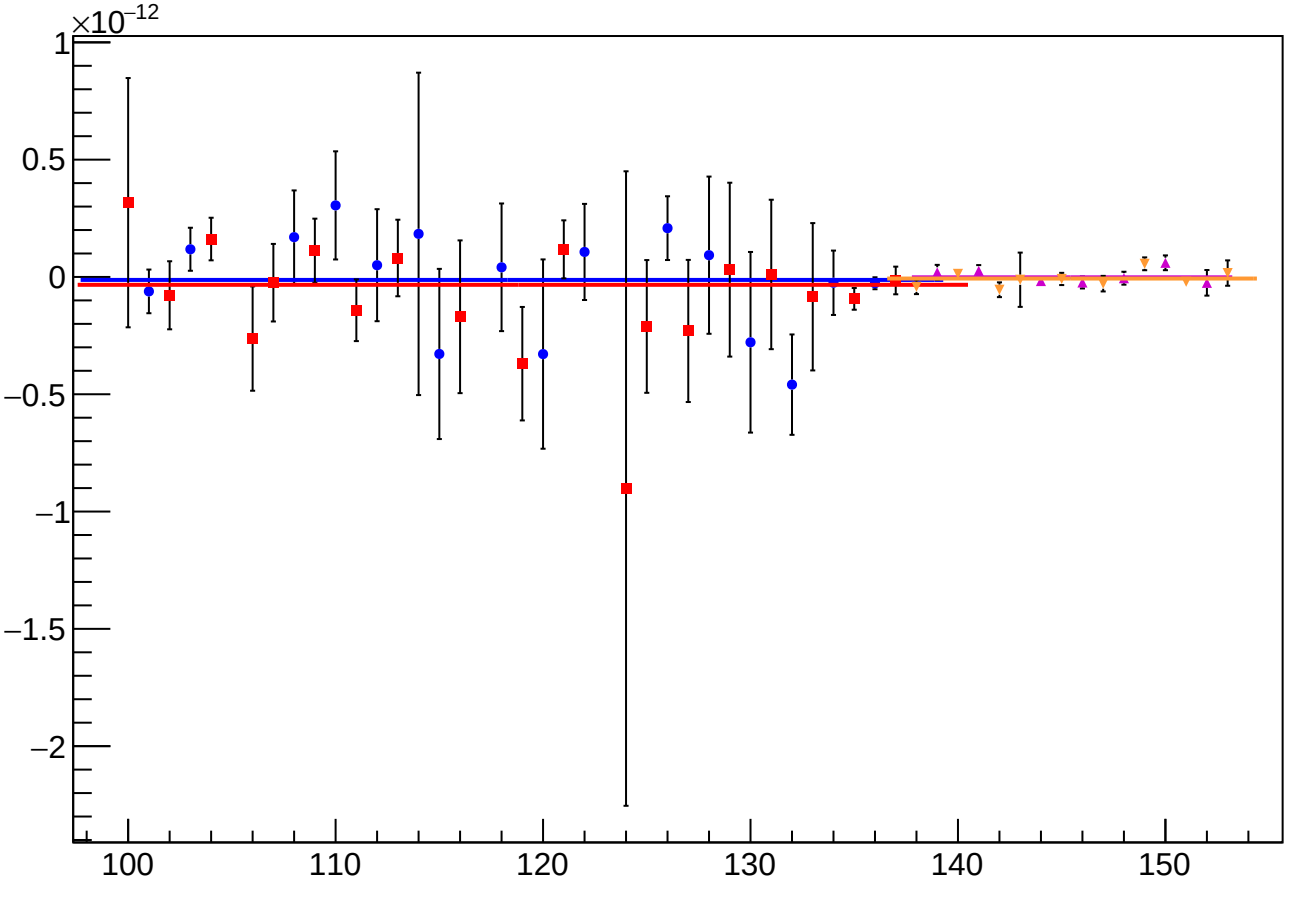
Left: 2037.320+/-0.402 χ^2/NDF: 585531.3/15

Right: 2364.783+/-0.450 χ^2/NDF: 1194162.0/34

In: 2176.412+/-0.427 χ^2/NDF:744054.2/22

Out: 2188.407+/-0.420 χ^2/NDF:1330037.7/27

All: 2182.515+/-0.300 χ^2/NDF: 2074492.5/50



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.2/8

Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:7.9/6

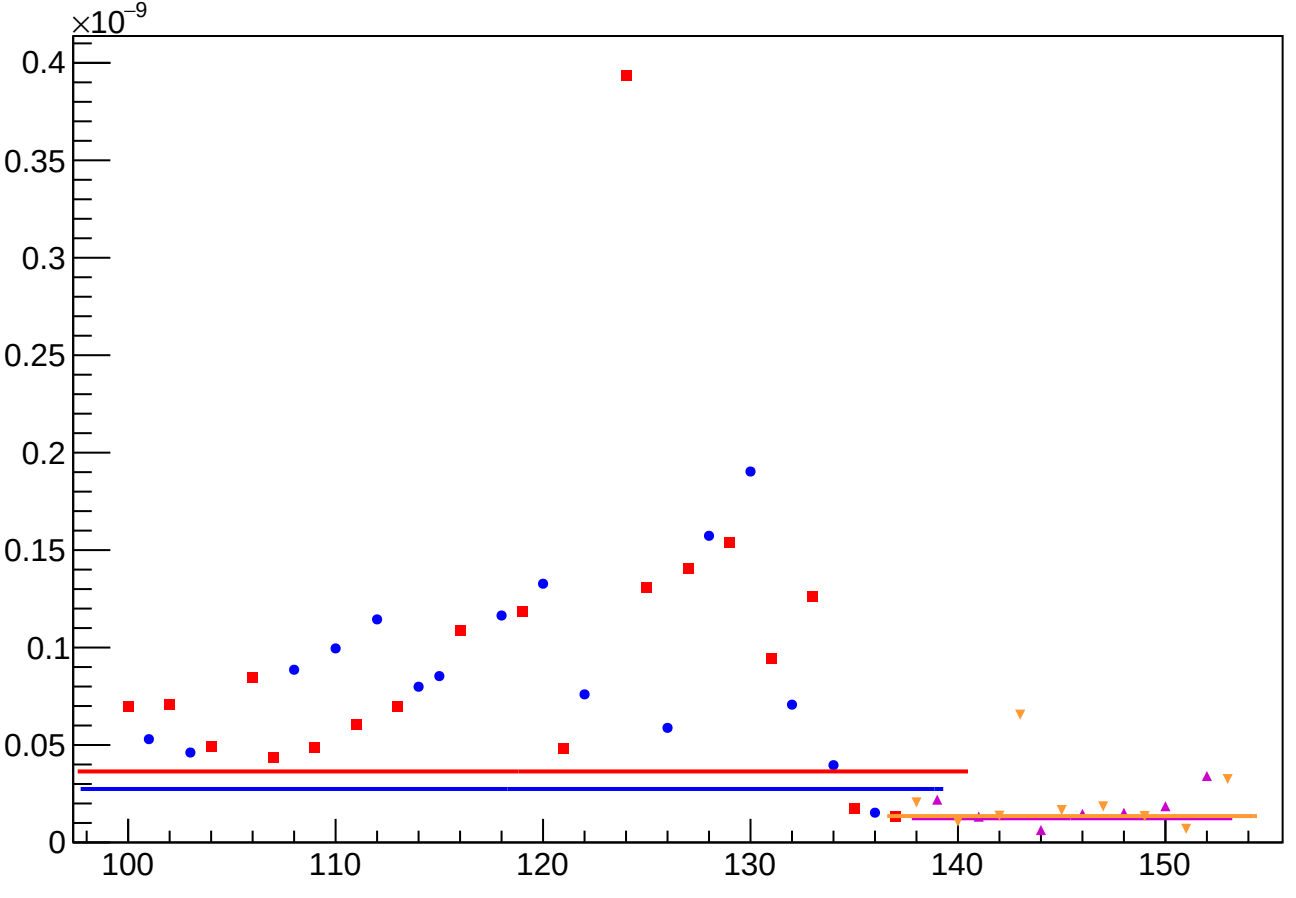
Left: -0.000+/-0.000 χ^2/NDF: 19.2/15

Right: -0.000+/-0.000 χ^2/NDF: 30.4/34

In: -0.000+/-0.000 χ^2/NDF:22.9/22

Out: -0.000+/-0.000 χ^2/NDF:27.2/27

All: -0.000+/-0.000 χ^2/NDF: 50.3/50



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1121018.3/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

Left In: 0.000+/-0.000 χ^2/NDF:995604.7/6

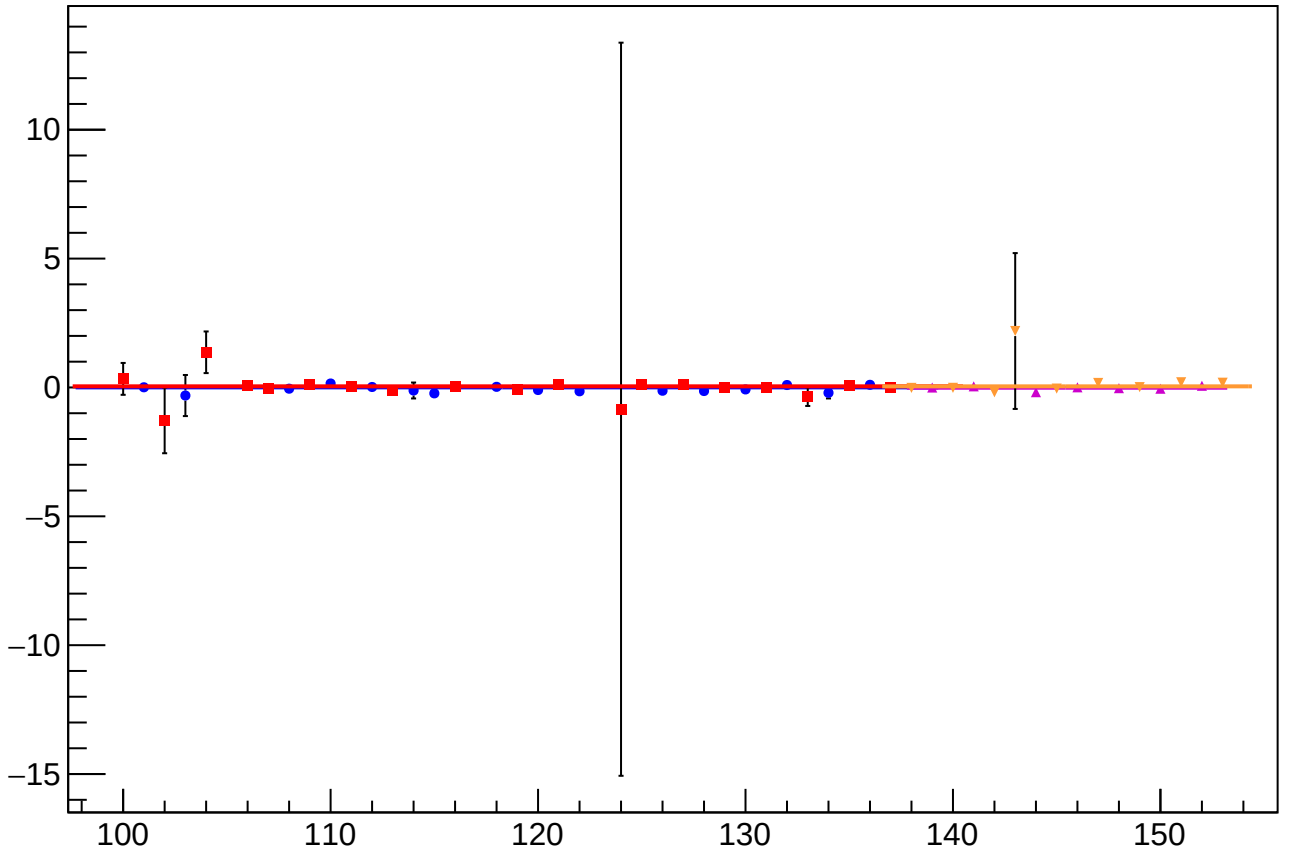
Left: 0.000+/-0.000 χ^2/NDF: 2132108.4/15

Right: 0.000+/-0.000 χ^2/NDF: 5297550.6/34

In: 0.000+/-0.000 χ^2/NDF:4510836.8/22

Out: 0.000+/-0.000 χ^2/NDF:4773158.2/27

All: 0.000+/-0.000 χ^2/NDF: 9303555.5/50



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.043+/-0.026 χ^2/NDF:16.2/8

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.010+/-0.026 χ^2/NDF:4.2/6

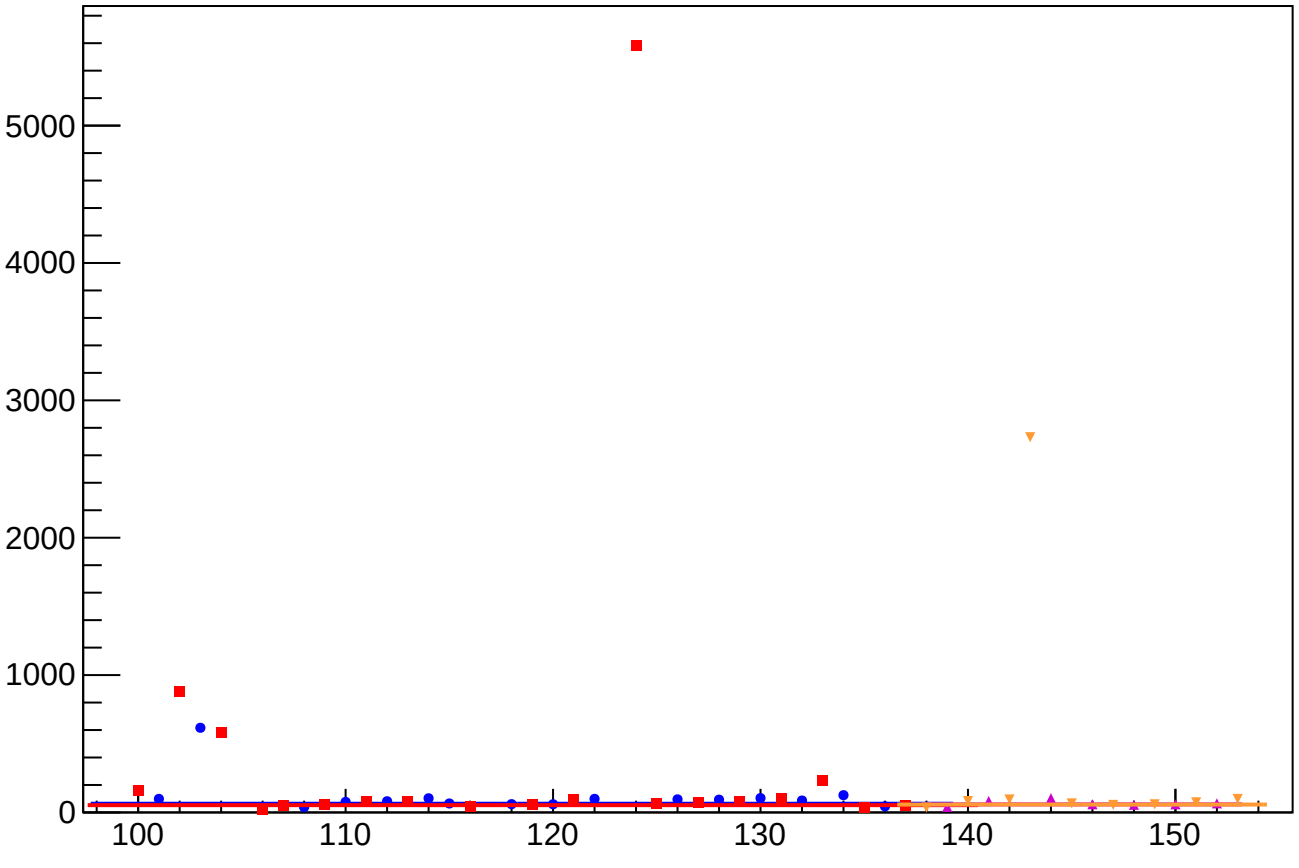
Left: 0.017+/-0.018 χ^2/NDF: 22.5/15

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.004+/-0.019 χ^2/NDF:17.6/22

Out: 0.043+/-0.018 χ^2/NDF:28.8/27

All: 0.021+/-0.013 χ^2/NDF: 49.8/50



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 57.550+/-0.018 χ^2/NDF:2736824.9/8

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 58.764+/-0.018 χ^2/NDF:751102.2/6

Left: 58.145+/-0.013 χ^2/NDF: 3490125.2/15

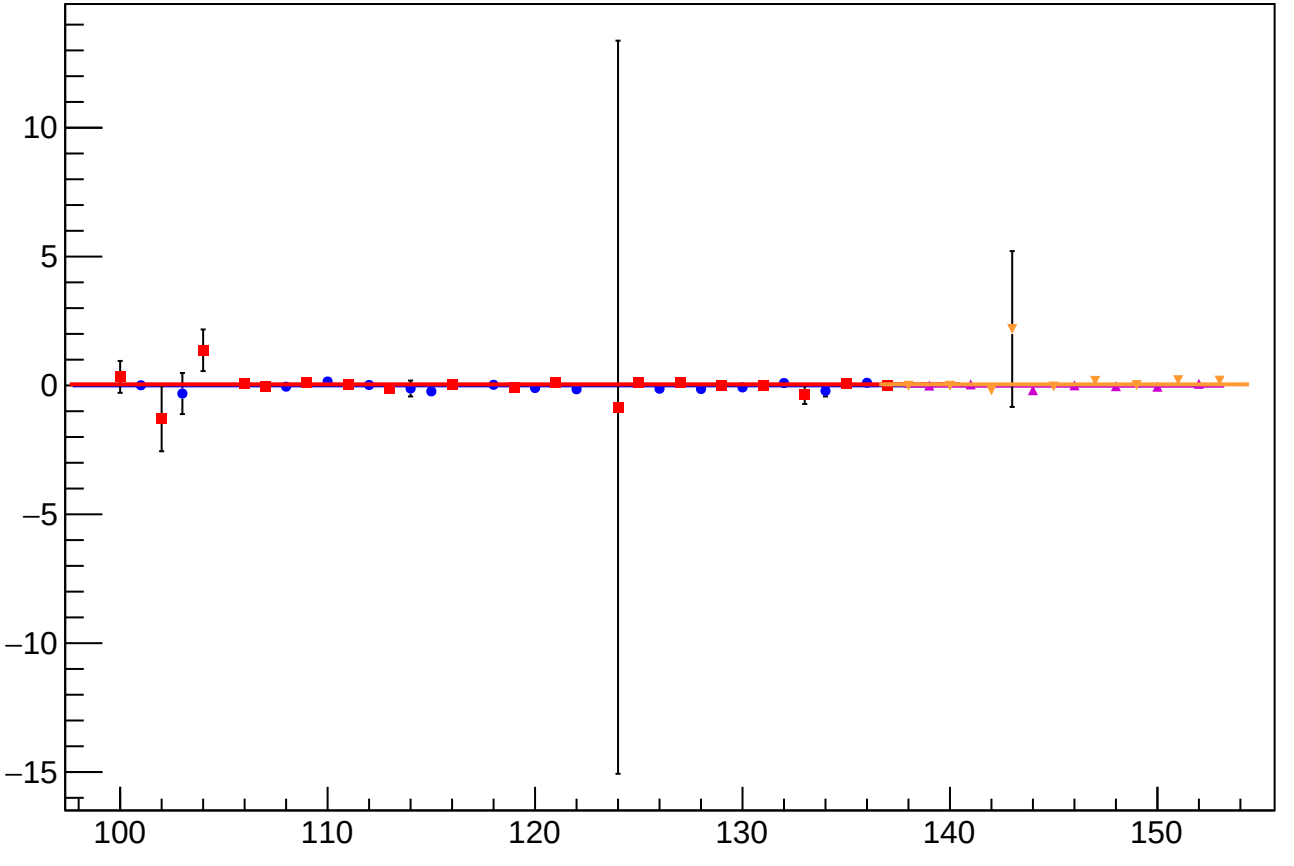
Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 61.015+/-0.013 χ^2/NDF:3227245.7/22

Out: 55.307+/-0.013 χ^2/NDF:6712189.2/27

All: 58.005+/-0.009 χ^2/NDF: 10036124.8/50

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: 0.043+/-0.026 χ^2/NDF:16.2/8

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.010+/-0.026 χ^2/NDF:4.2/6

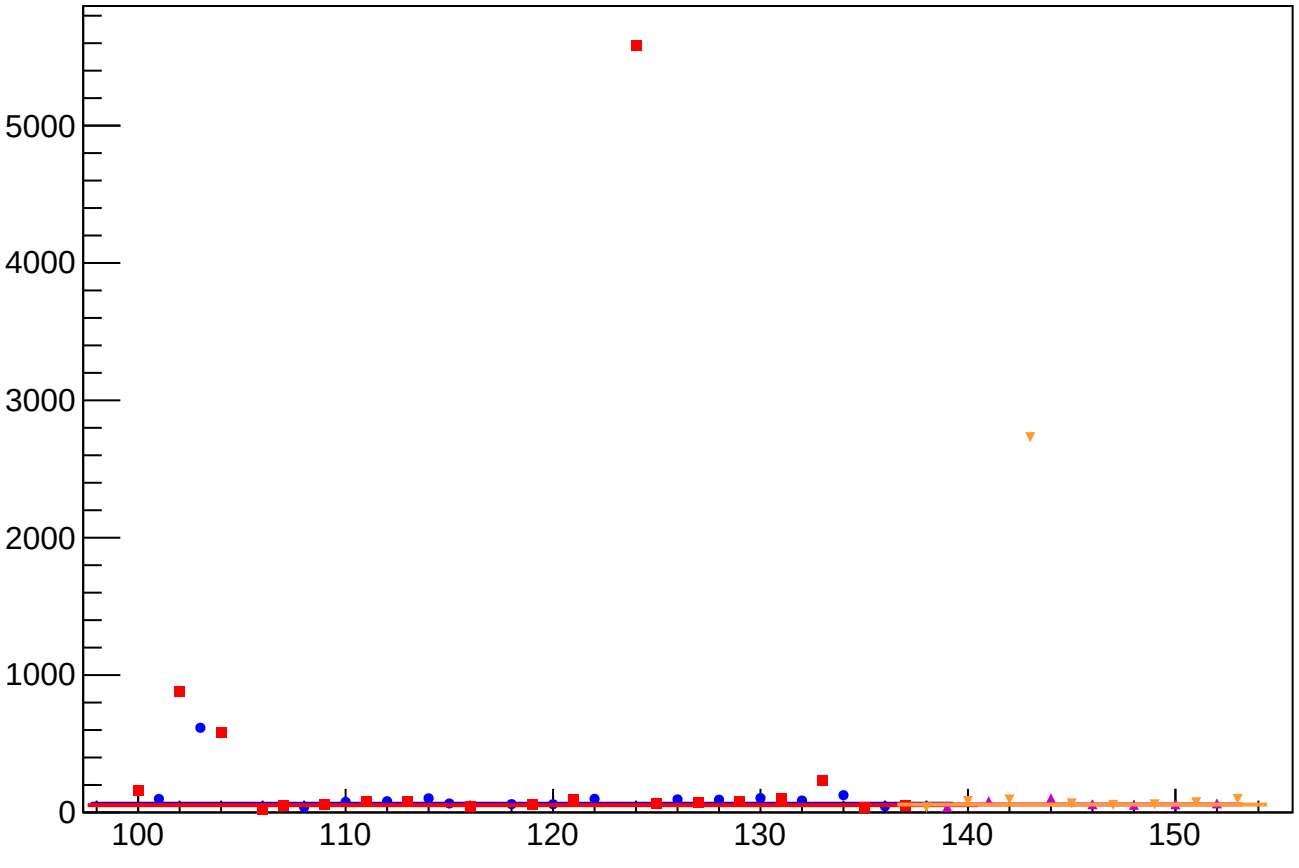
Left: 0.017+/-0.018 χ^2/NDF: 22.5/15

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.004+/-0.019 χ^2/NDF:17.6/22

Out: 0.043+/-0.018 χ^2/NDF:28.8/27

All: 0.021+/-0.013 χ^2/NDF: 49.8/50



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 57.550+/-0.018 χ^2/NDF:2736824.9/8

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 58.764+/-0.018 χ^2/NDF:751102.2/6

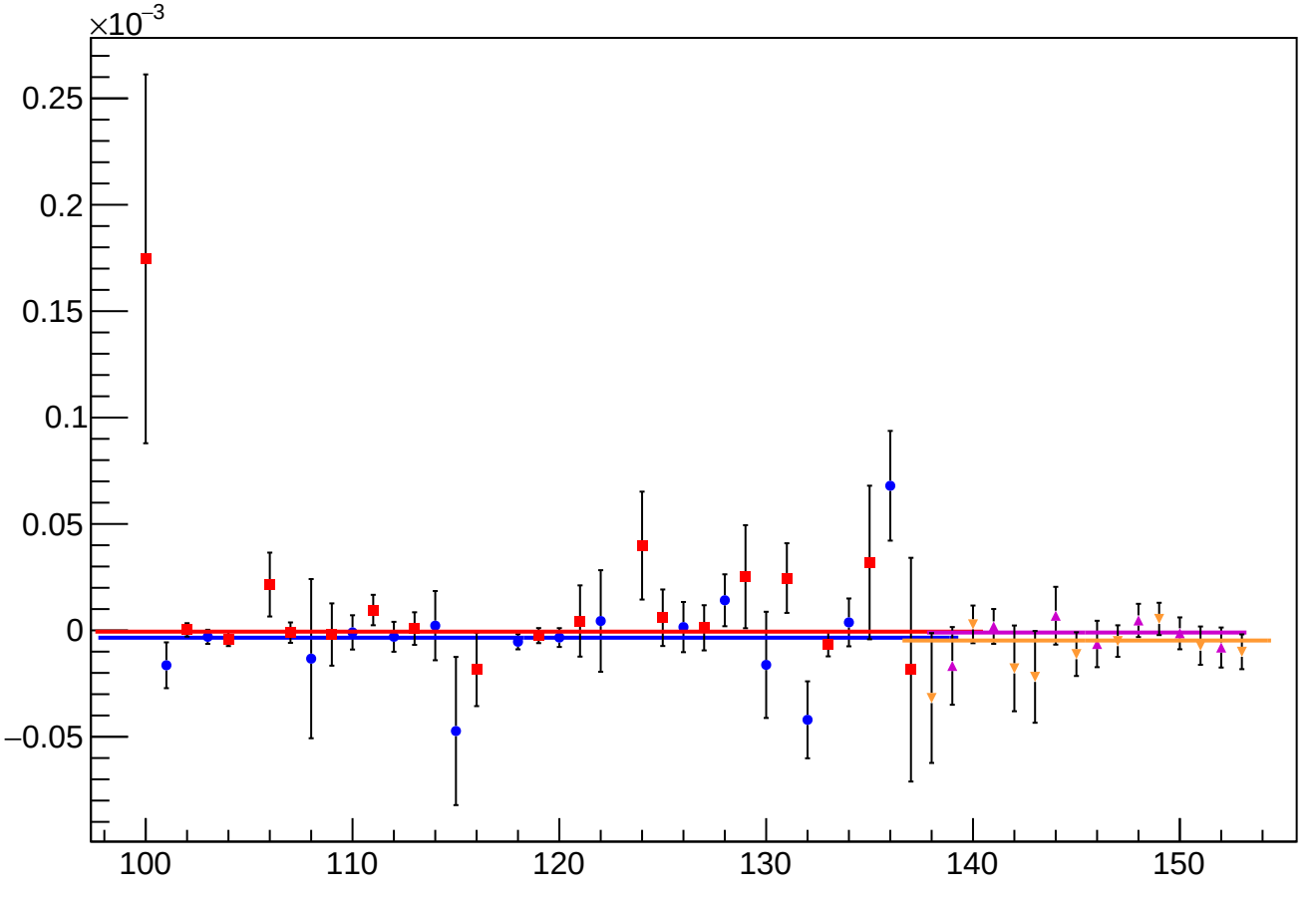
Left: 58.145+/-0.013 χ^2/NDF: 3490125.2/15

Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 61.015+/-0.013 χ^2/NDF:3227245.7/22

Out: 55.307+/-0.013 χ^2/NDF:6712189.2/27

All: 58.005+/-0.009 χ^2/NDF: 10036124.8/50



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.2/8

Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: -0.000+/-0.000 χ^2/NDF:2.5/6

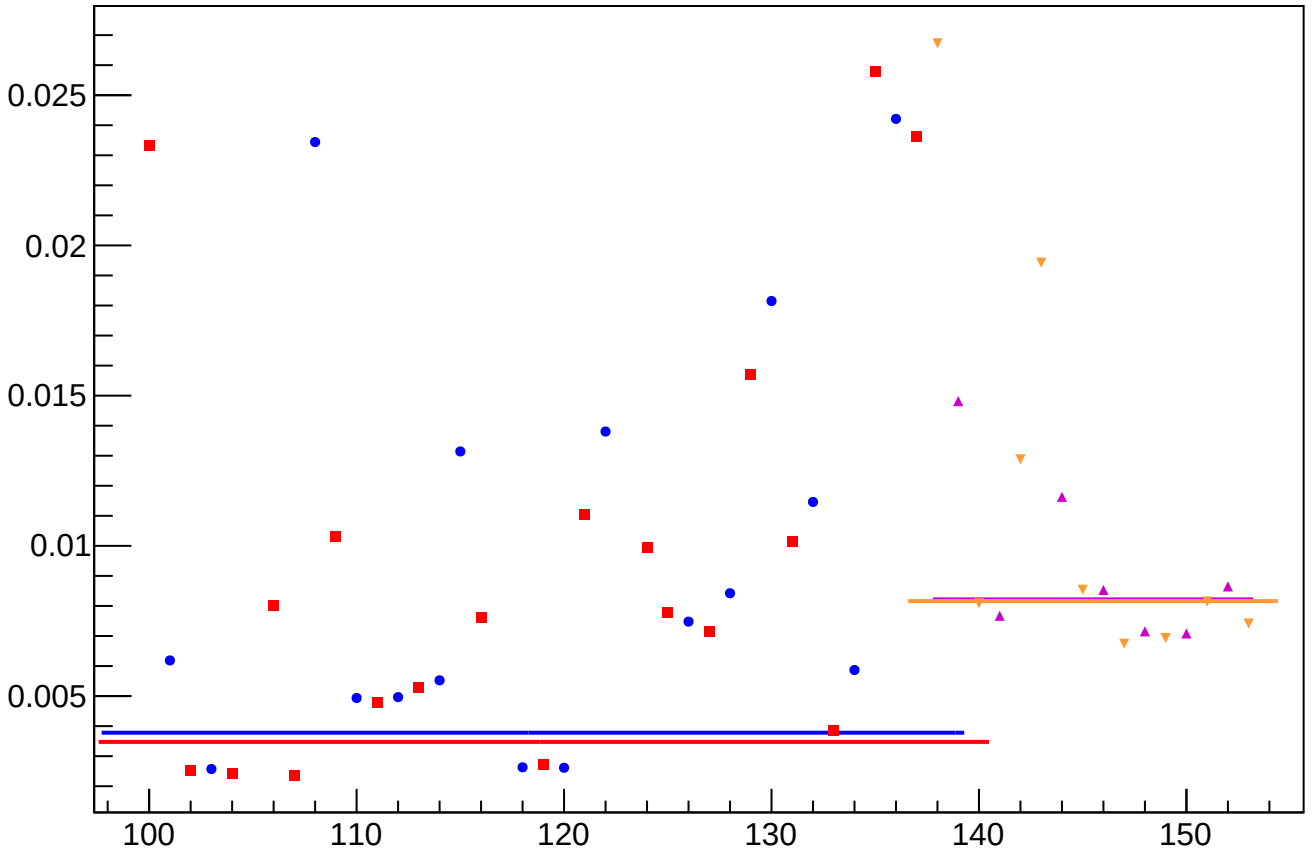
Left: -0.000+/-0.000 χ^2/NDF: 8.4/15

Right: -0.000+/-0.000 χ^2/NDF: 39.5/34

In: -0.000+/-0.000 χ^2/NDF:21.8/22

Out: -0.000+/-0.000 χ^2/NDF:25.7/27

All: -0.000+/-0.000 χ^2/NDF: 48.0/50



Right In: 0.004+/-0.000 χ^2/NDF: 4719536.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:1540555.7/8

Right Out: 0.003+/-0.000 χ^2/NDF: 4495340.7/18

Left In: 0.008+/-0.000 χ^2/NDF:485149.7/6

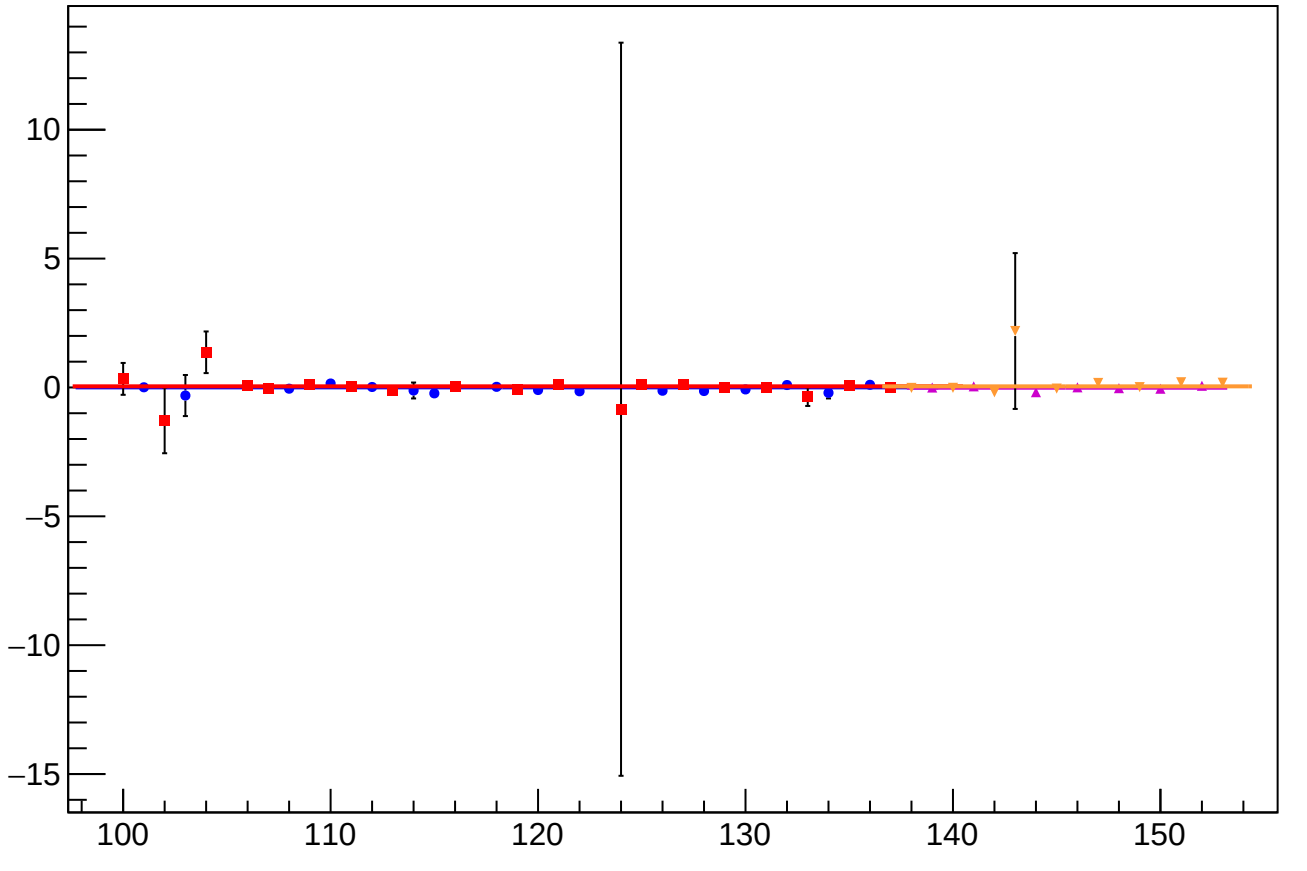
Left: 0.008+/-0.000 χ^2/NDF: 2025982.6/15

Right: 0.004+/-0.000 χ^2/NDF: 9247440.2/34

In: 0.005+/-0.000 χ^2/NDF:7625926.5/22

Out: 0.004+/-0.000 χ^2/NDF:9313498.0/27

All: 0.004+/-0.000 χ^2/NDF: 17002104.9/50



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.043+/-0.026 χ^2/NDF:16.2/8

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.010+/-0.026 χ^2/NDF:4.2/6

Left: 0.017+/-0.018 χ^2/NDF: 22.5/15

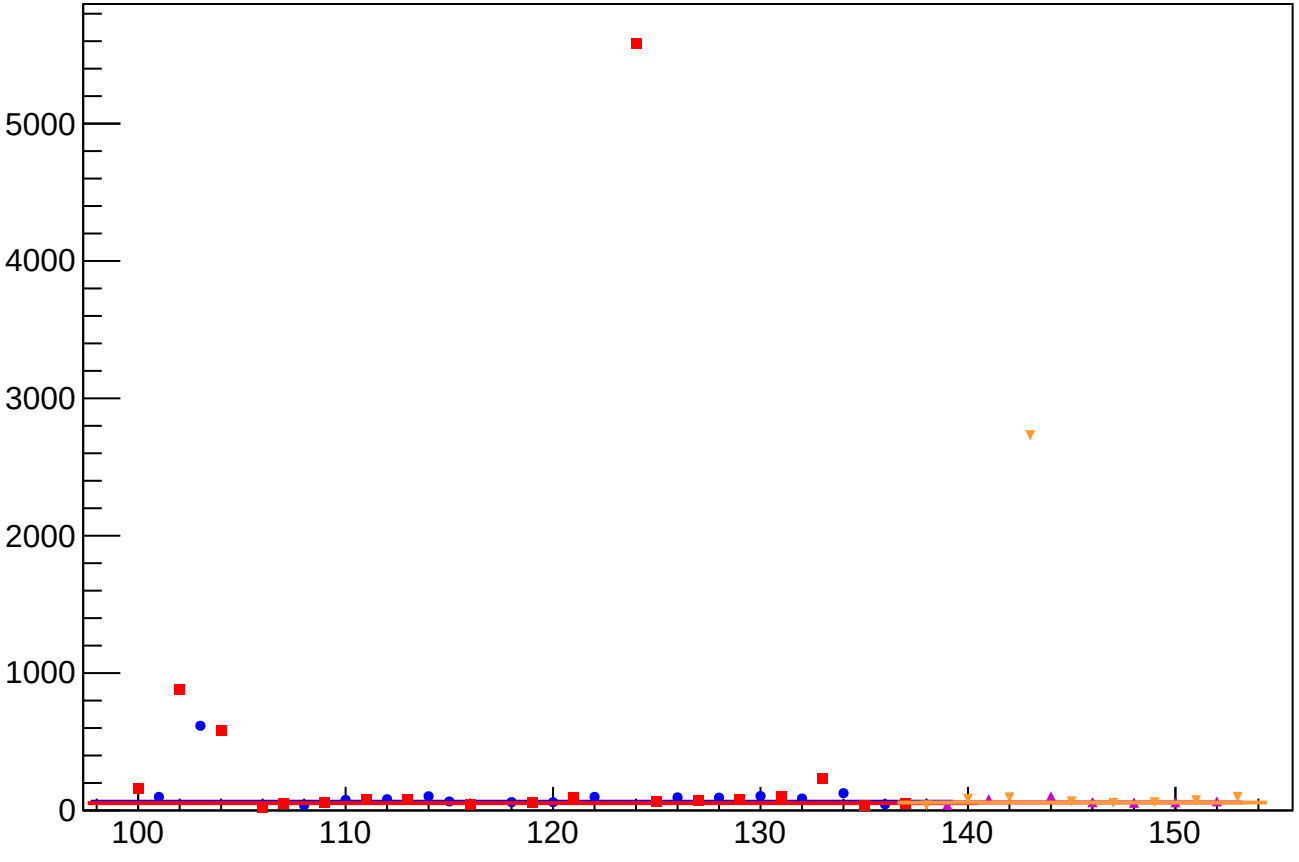
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.004+/-0.019 χ^2/NDF:17.6/22

Out: 0.043+/-0.018 χ^2/NDF:28.8/27

All: 0.021+/-0.013 χ^2/NDF: 49.8/50

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 57.547+/-0.018 χ^2/NDF:2736794.9/8

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 58.768+/-0.018 χ^2/NDF:750771.9/6

Left: 58.146+/-0.013 χ^2/NDF: 3489786.0/15

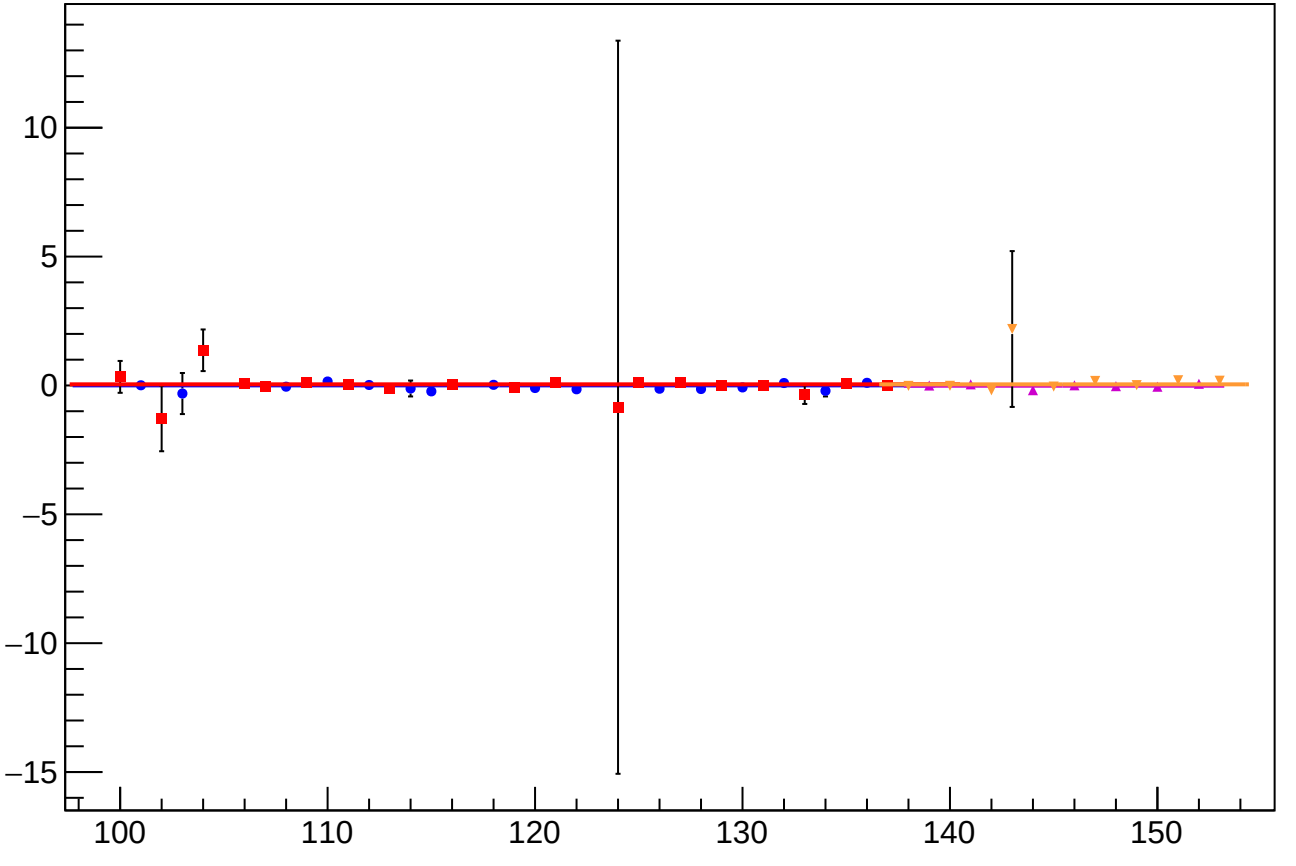
Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 61.021+/-0.013 χ^2/NDF:3226083.5/22

Out: 55.304+/-0.013 χ^2/NDF:6712750.4/27

All: 58.005+/-0.009 χ^2/NDF: 10035852.0/50

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: 0.043+/-0.026 χ^2/NDF:16.2/8

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.010+/-0.026 χ^2/NDF:4.2/6

Left: 0.017+/-0.018 χ^2/NDF: 22.5/15

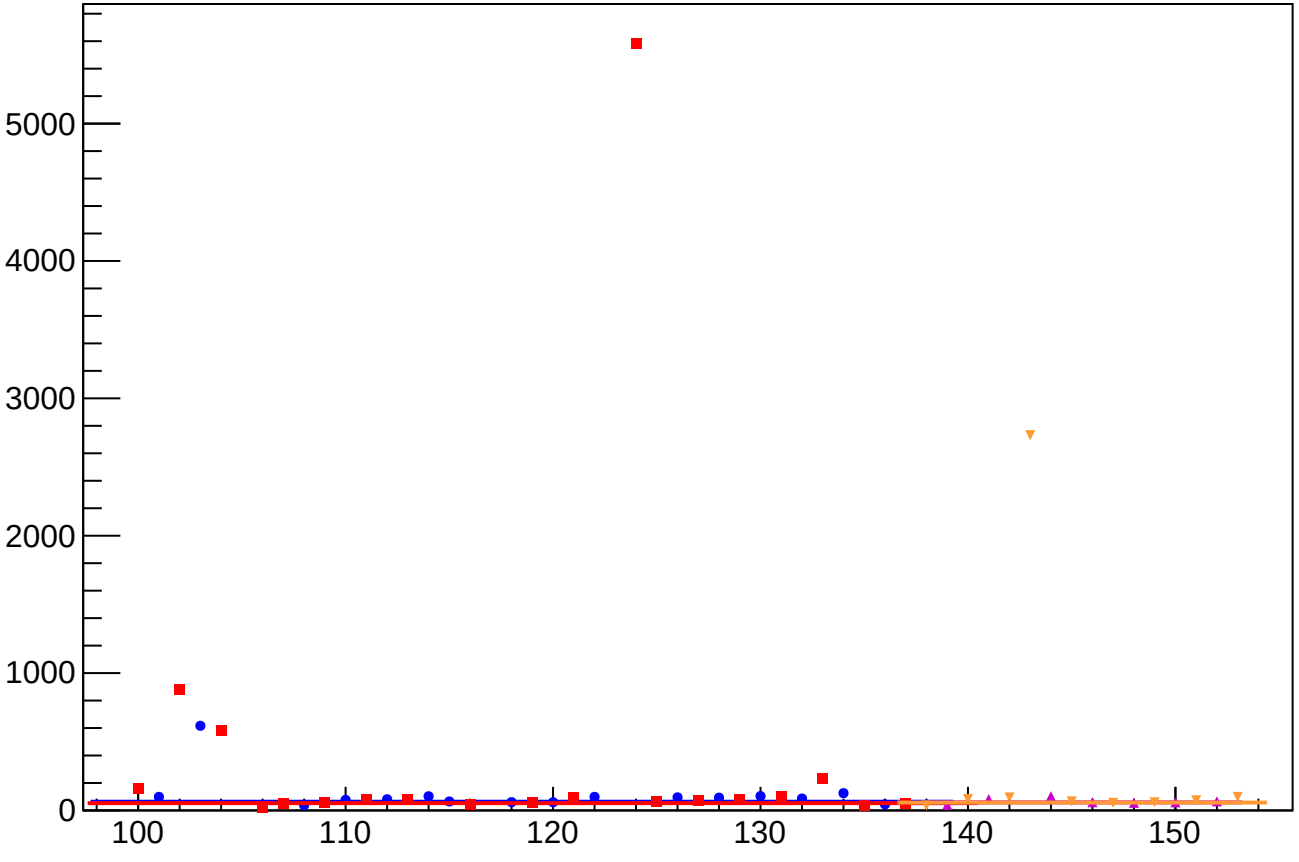
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.004+/-0.019 χ^2/NDF:17.6/22

Out: 0.043+/-0.018 χ^2/NDF:28.8/27

All: 0.021+/-0.013 χ^2/NDF: 49.8/50

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 57.547+/-0.018 χ^2/NDF:2736794.9/8

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 58.768+/-0.018 χ^2/NDF:750771.9/6

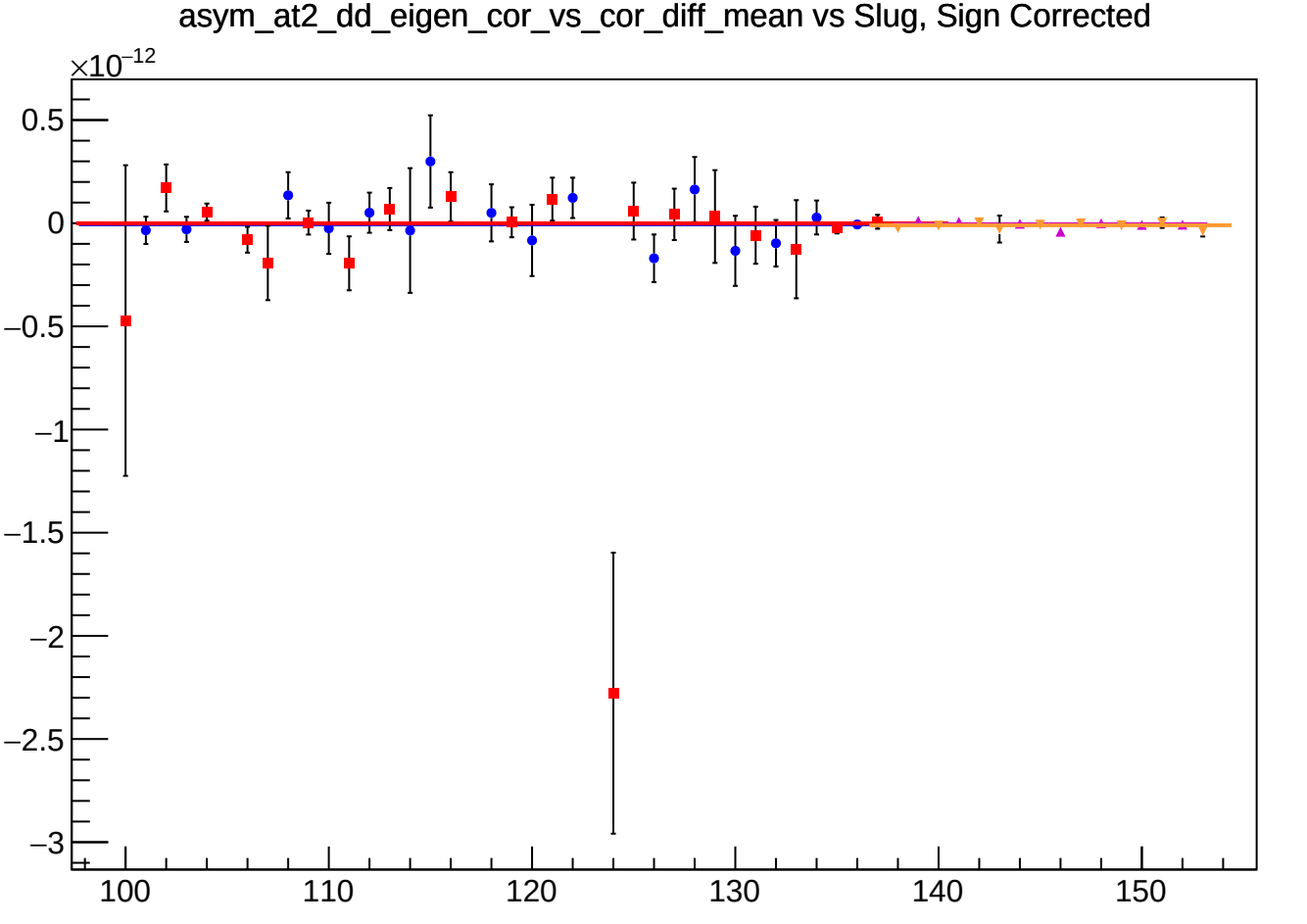
Left: 58.146+/-0.013 χ^2/NDF: 3489786.0/15

Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 61.021+/-0.013 χ^2/NDF:3226083.5/22

Out: 55.304+/-0.013 χ^2/NDF:6712750.4/27

All: 58.005+/-0.009 χ^2/NDF: 10035852.0/50



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

Left Out: -0.000+/-0.000 χ^2/NDF:3.2/8

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:7.0/6

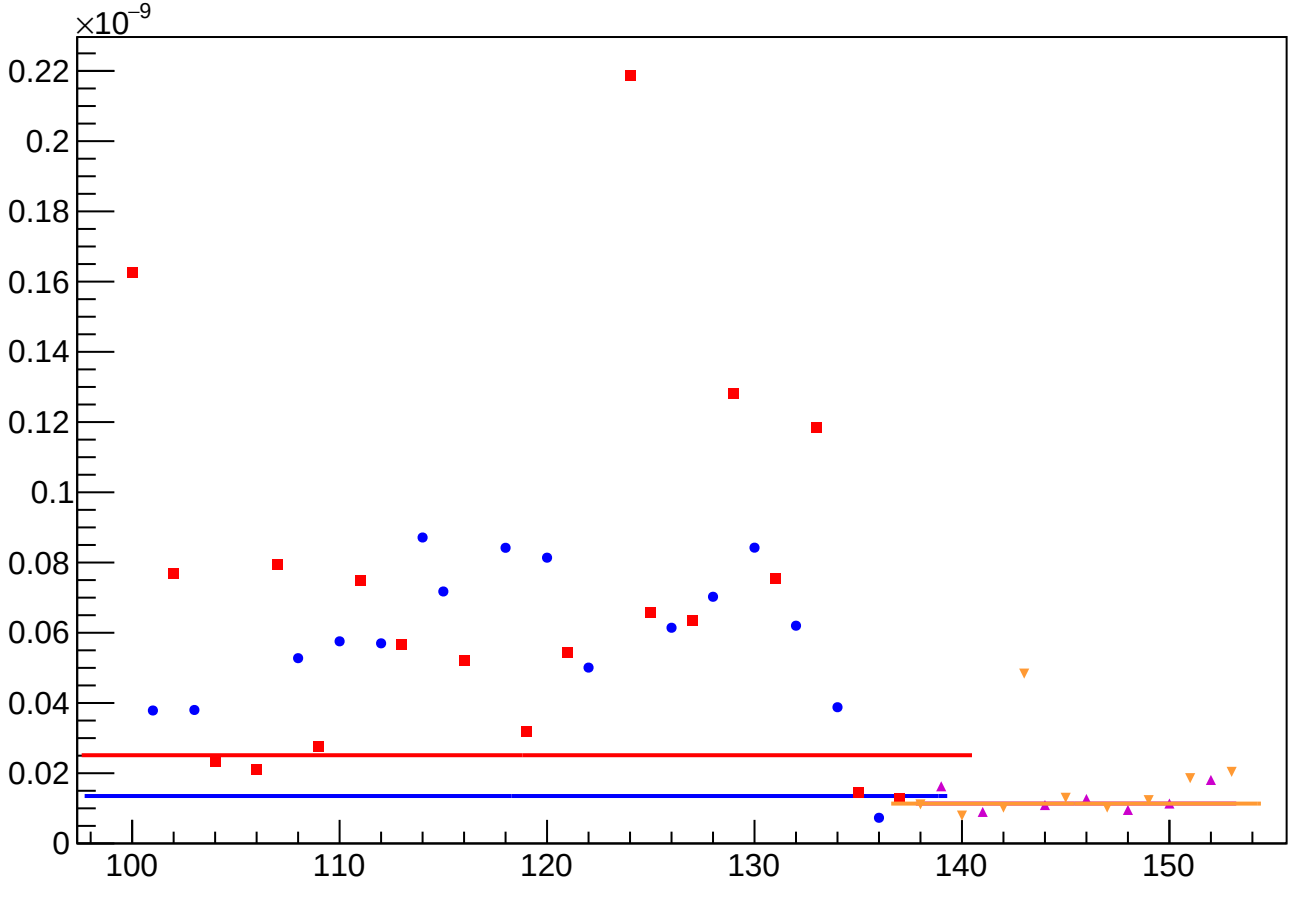
Left: -0.000+/-0.000 χ^2/NDF: 10.6/15

Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: -0.000+/-0.000 χ^2/NDF:17.8/22

Out: -0.000+/-0.000 χ^2/NDF:28.6/27

All: -0.000+/-0.000 χ^2/NDF: 46.7/50



Right In: 0.000+/-0.000 χ^2/NDF: 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1295809.4/8

Right Out: 0.000+/-0.000 χ^2/NDF: 3578472.9/18

Left In: 0.000+/-0.000 χ^2/NDF:407183.1/6

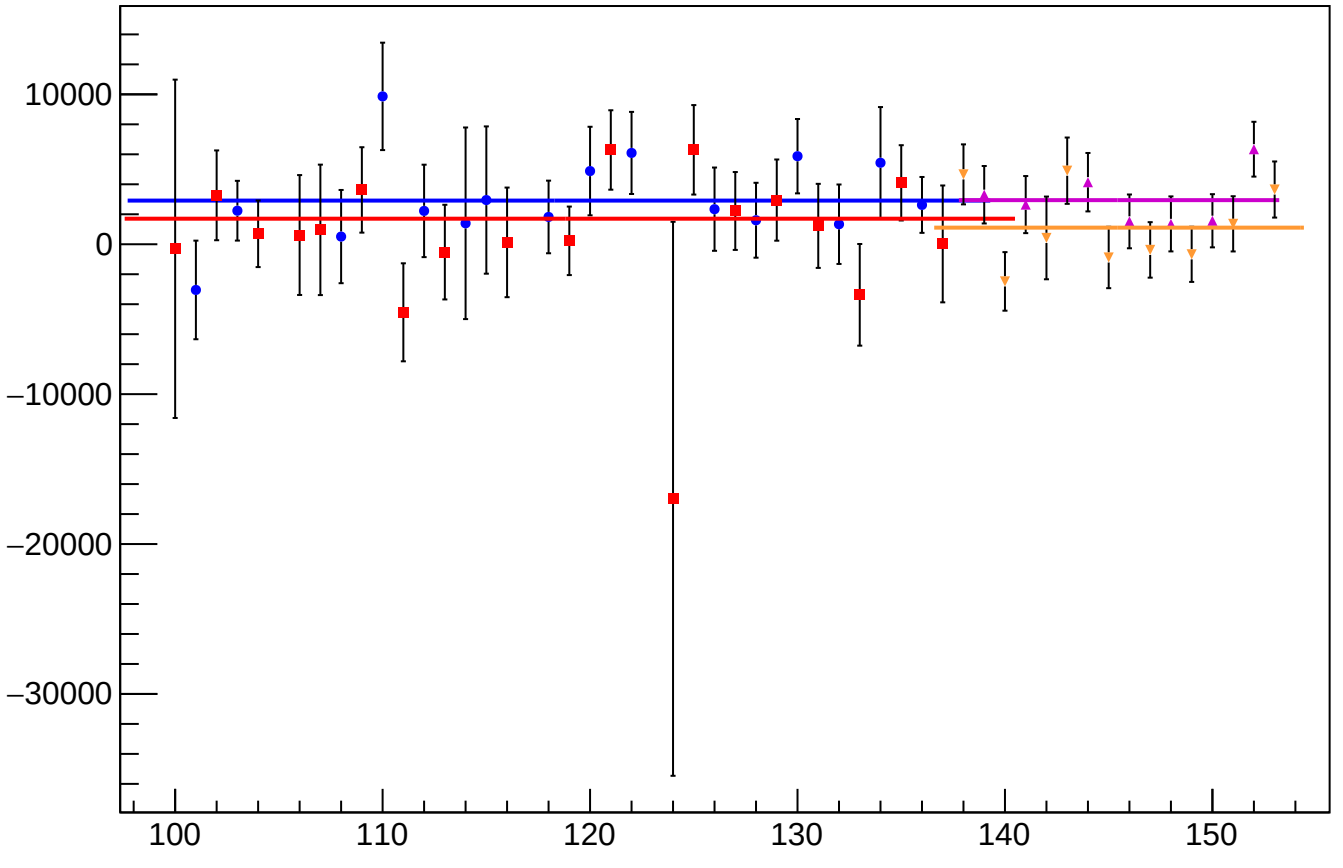
Left: 0.000+/-0.000 χ^2/NDF: 1703002.8/15

Right: 0.000+/-0.000 χ^2/NDF: 9384983.4/34

In: 0.000+/-0.000 χ^2/NDF:5466453.2/22

Out: 0.000+/-0.000 χ^2/NDF:6346223.8/27

All: 0.000+/-0.000 χ^2/NDF: 11861695.9/50



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1108.131+/-666.224 χ^2/NDF:13.9/8

Right Out: 1704.904+/-706.846 χ^2/NDF: 15.8/18

Left In: 2942.665+/-700.877 χ^2/NDF:5.9/6

Left: 1978.927+/-482.878 χ^2/NDF: 23.4/15

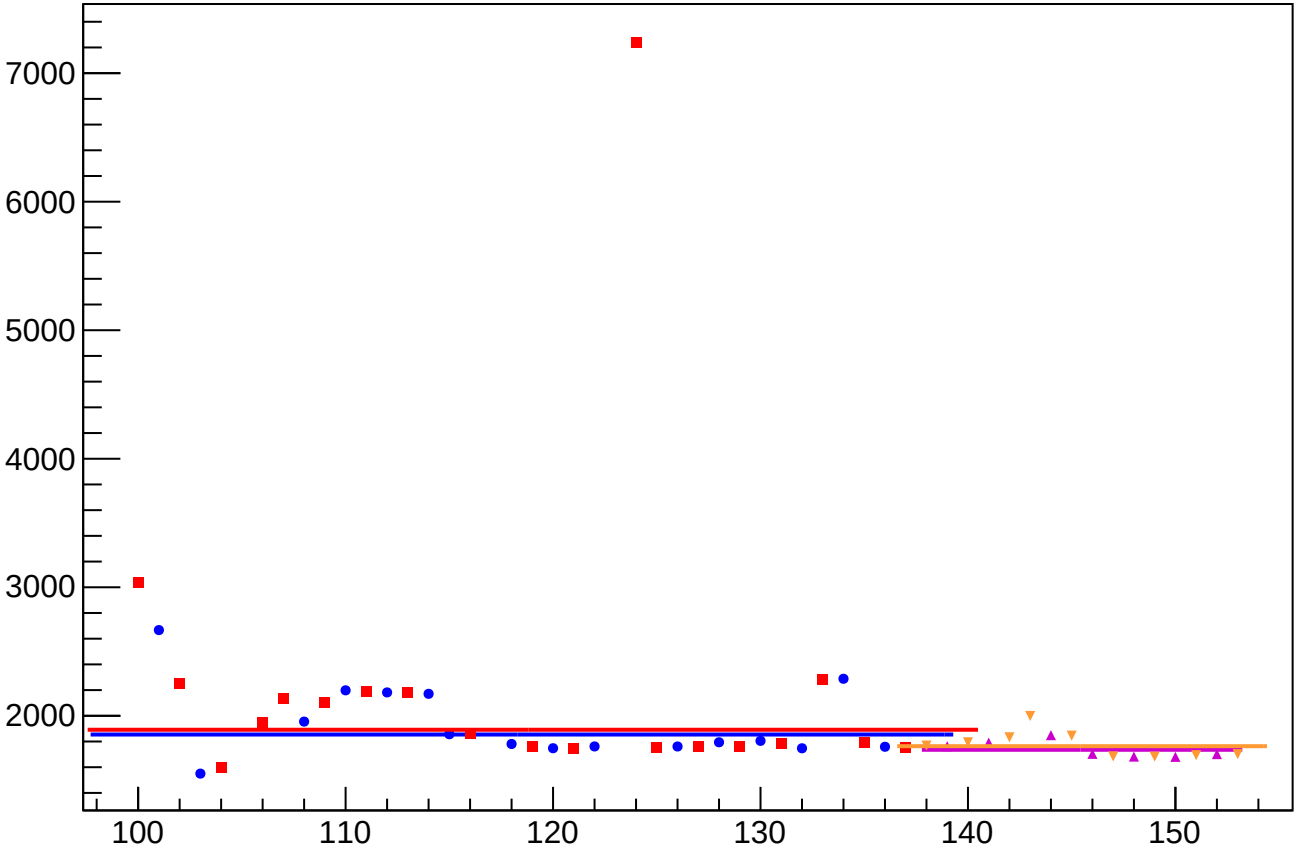
Right: 2319.102+/-495.597 χ^2/NDF: 29.8/34

In: 2927.704+/-493.526 χ^2/NDF:18.3/22

Out: 1388.877+/-484.817 χ^2/NDF:30.1/27

All: 2144.593+/-345.855 χ^2/NDF: 53.4/50

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1763.564+/-0.471 χ^2/NDF:40229.4/8

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

Left In: 1735.602+/-0.496 χ^2/NDF:13820.2/6

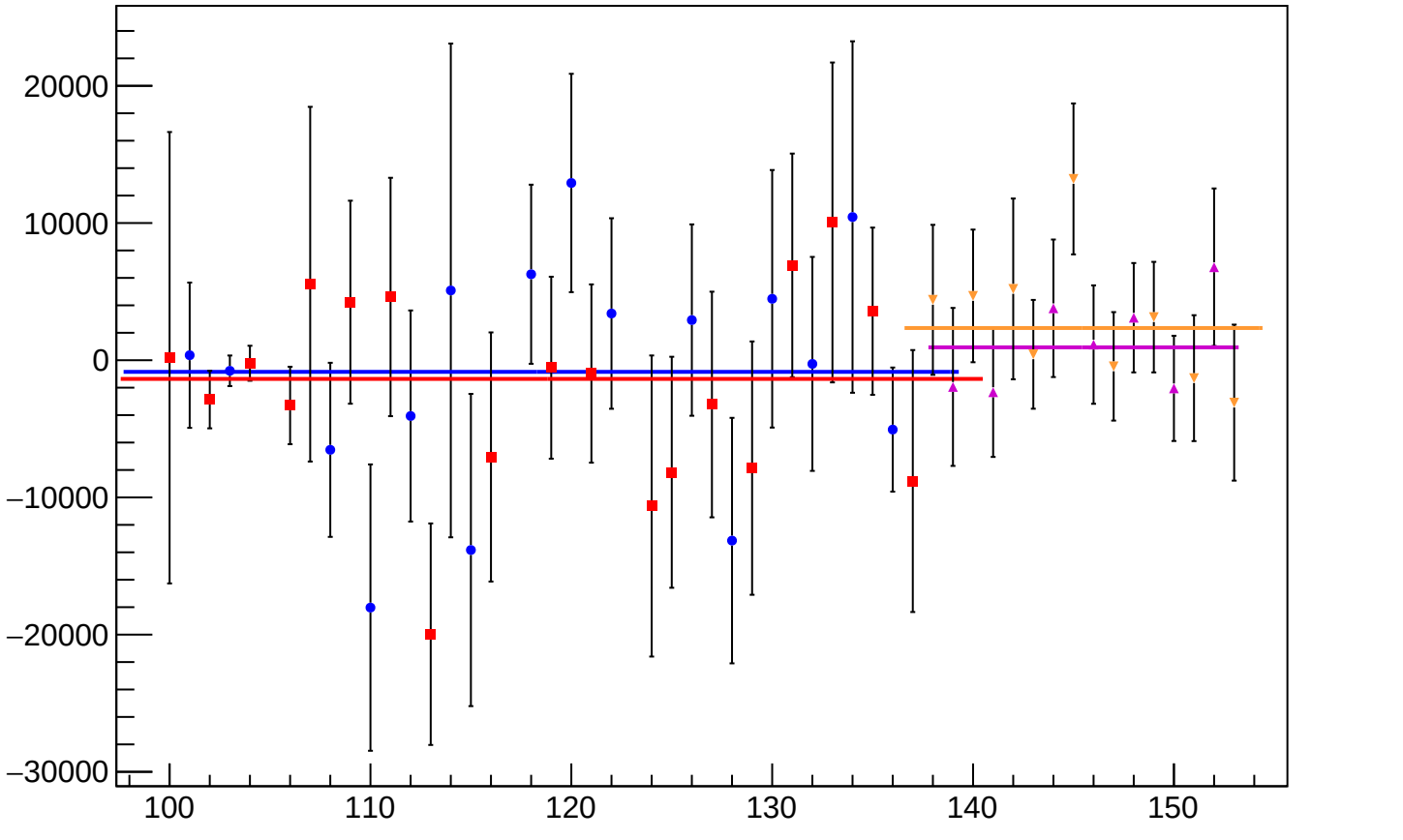
Left: 1750.291+/-0.341 χ^2/NDF: 55721.9/15

Right: 1872.622+/-0.350 χ^2/NDF: 630189.4/34

In: 1795.452+/-0.349 χ^2/NDF:306070.2/22

Out: 1823.883+/-0.342 χ^2/NDF:439044.6/27

All: 1809.936+/-0.244 χ^2/NDF: 748496.2/50



Right In: -847.977+/-962.920 χ^2/NDF: 13.9/15

Left Out: 2347.789+/-1581.150 χ^2/NDF:6.8/8

Right Out: -1361.523+/-915.925 χ^2/NDF: 14.0/18

Left In: 939.290+/-1741.058 χ^2/NDF:3.0/6

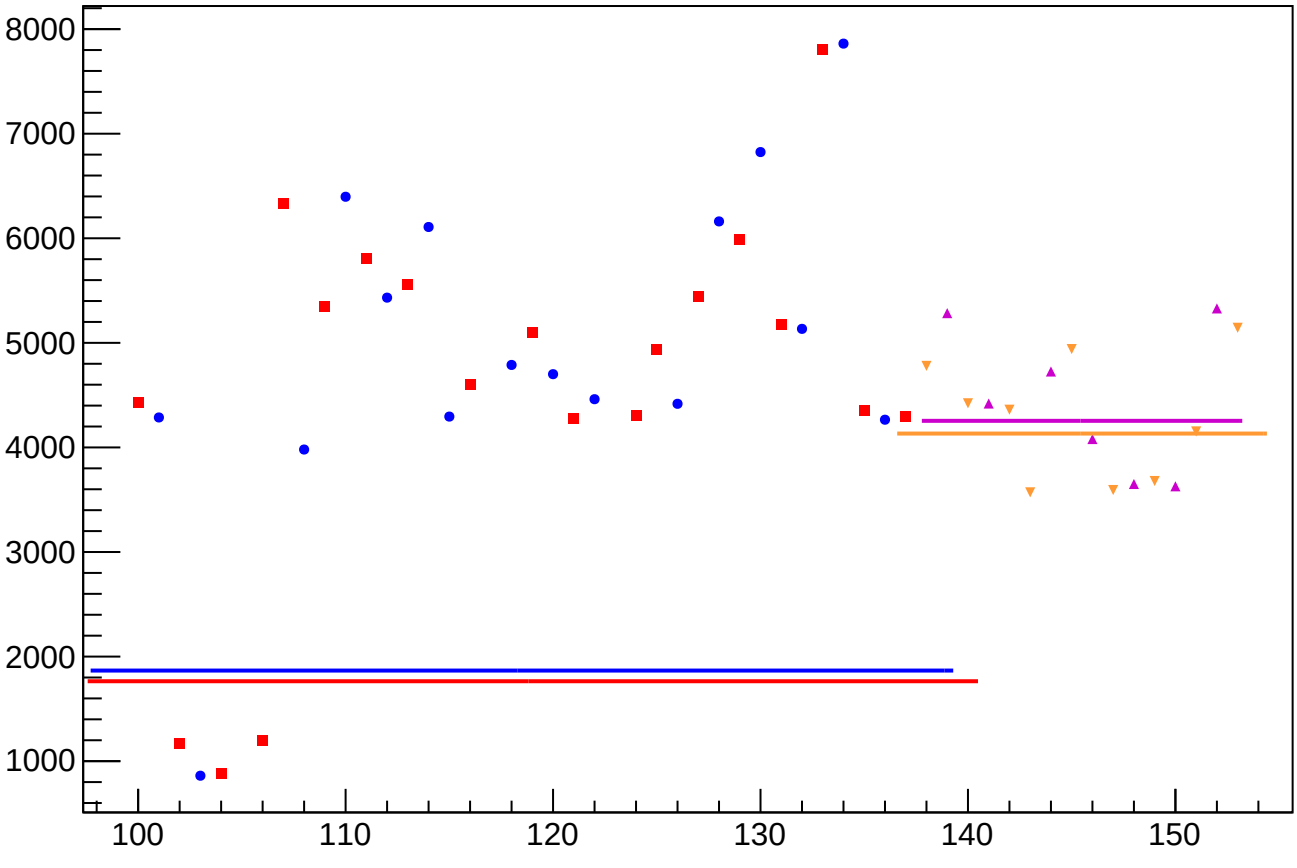
Left: 1711.178+/-1170.502 χ^2/NDF: 10.1/15

Right: -1117.587+/-663.649 χ^2/NDF: 28.0/34

In: -429.339+/-842.632 χ^2/NDF:17.7/22

Out: -429.551+/-792.552 χ^2/NDF:24.9/27

All: -429.451+/-577.312 χ^2/NDF: 42.6/50



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4132.647+/-1.118 χ^2/NDF:246970.8/8

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

Left In: 4254.330+/-1.231 χ^2/NDF:256785.1/6

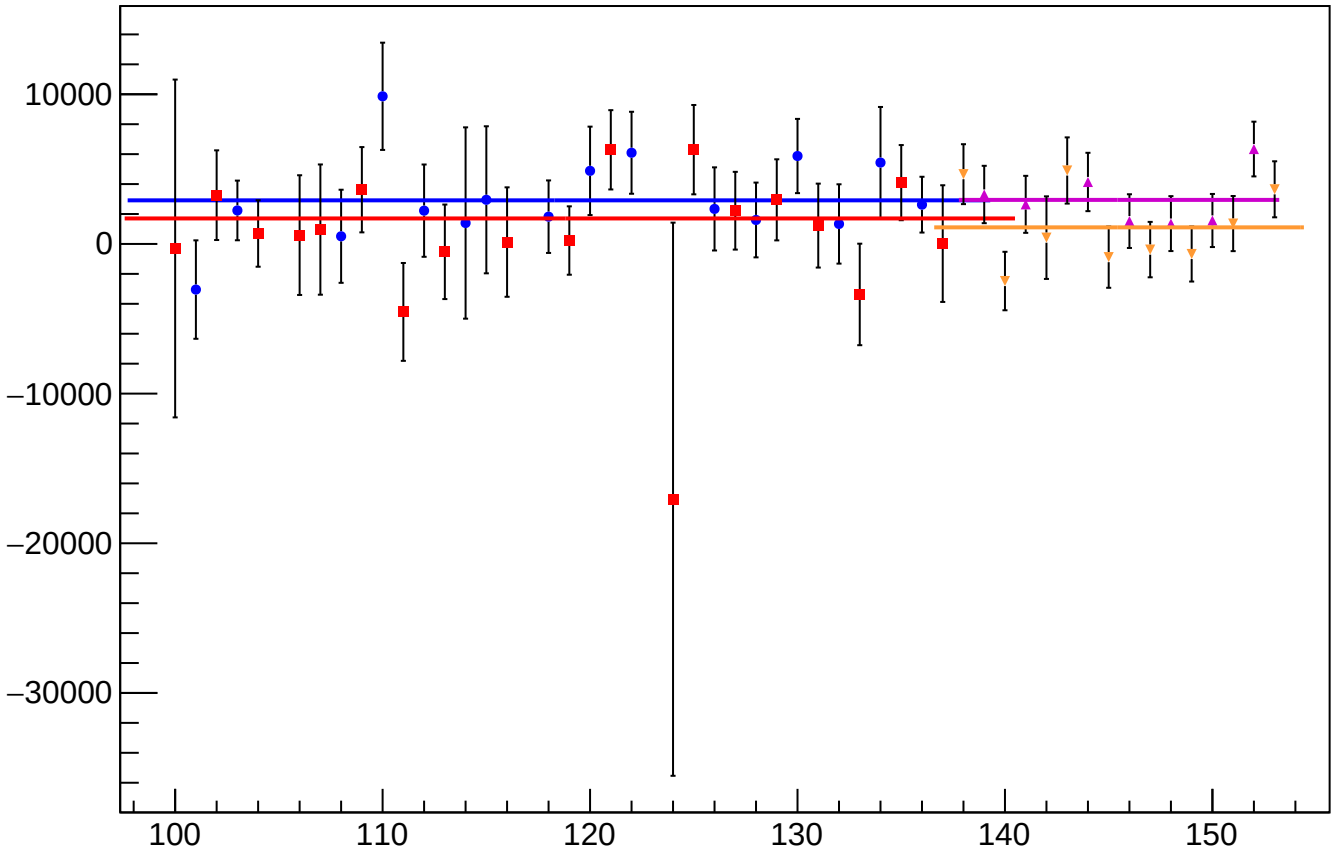
Left: 4187.645+/-0.828 χ^2/NDF: 509109.6/15

Right: 1812.790+/-0.469 χ^2/NDF: 13296256.2/34

In: 2425.738+/-0.596 χ^2/NDF:9987406.7/22

Out: 2359.338+/-0.560 χ^2/NDF:10041608.3/27

All: 2390.506+/-0.408 χ^2/NDF: 20035604.5/5



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1107.950+/-666.224 χ^2/NDF:13.9/8

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2942.831+/-700.877 χ^2/NDF:5.9/6

Left: 1978.911+/-482.878 χ^2/NDF: 23.4/15

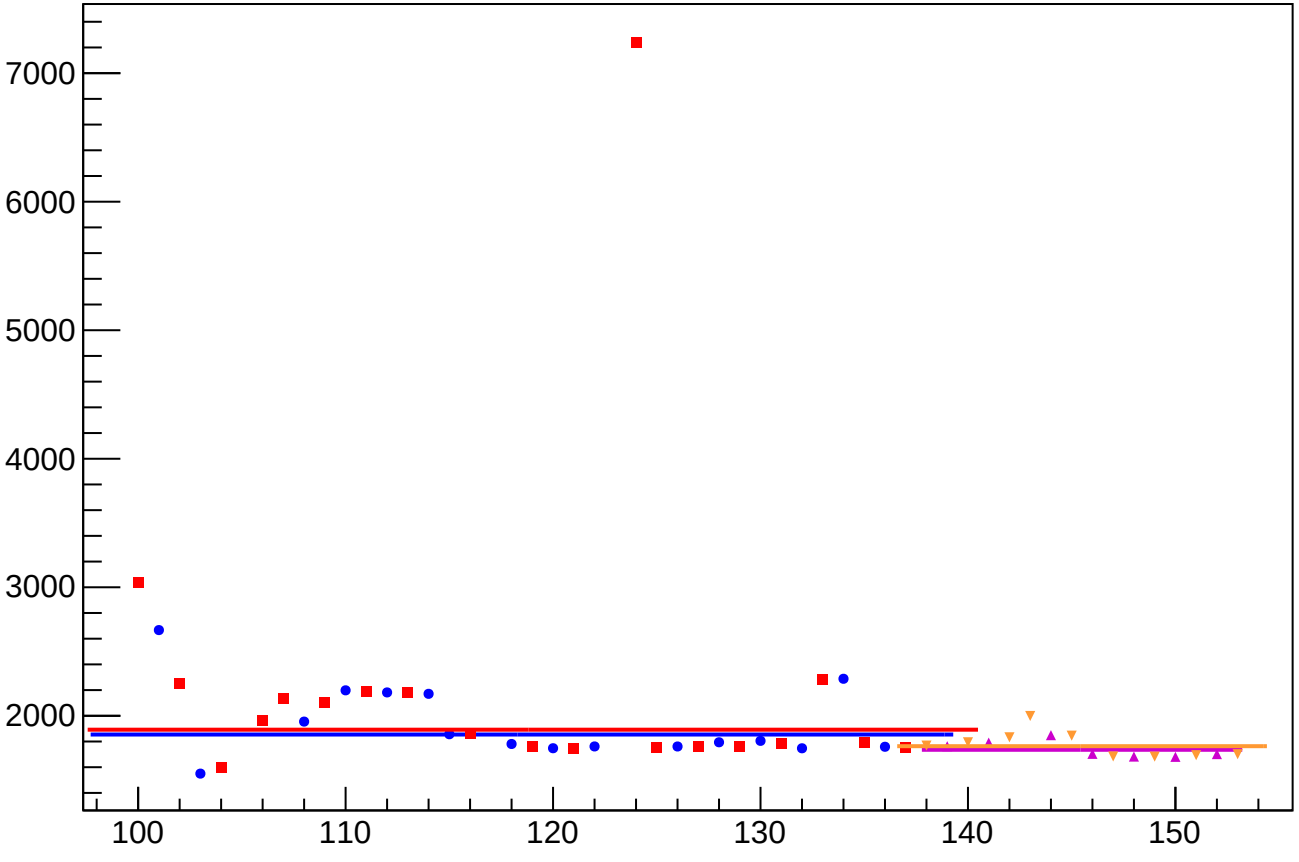
Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2927.837+/-493.526 χ^2/NDF:18.3/22

Out: 1388.131+/-484.817 χ^2/NDF:30.1/27

All: 2144.279+/-345.855 χ^2/NDF: 53.4/50

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1763.564+/-0.471 χ^2/NDF:40229.4/8

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1735.602+/-0.496 χ^2/NDF:13820.2/6

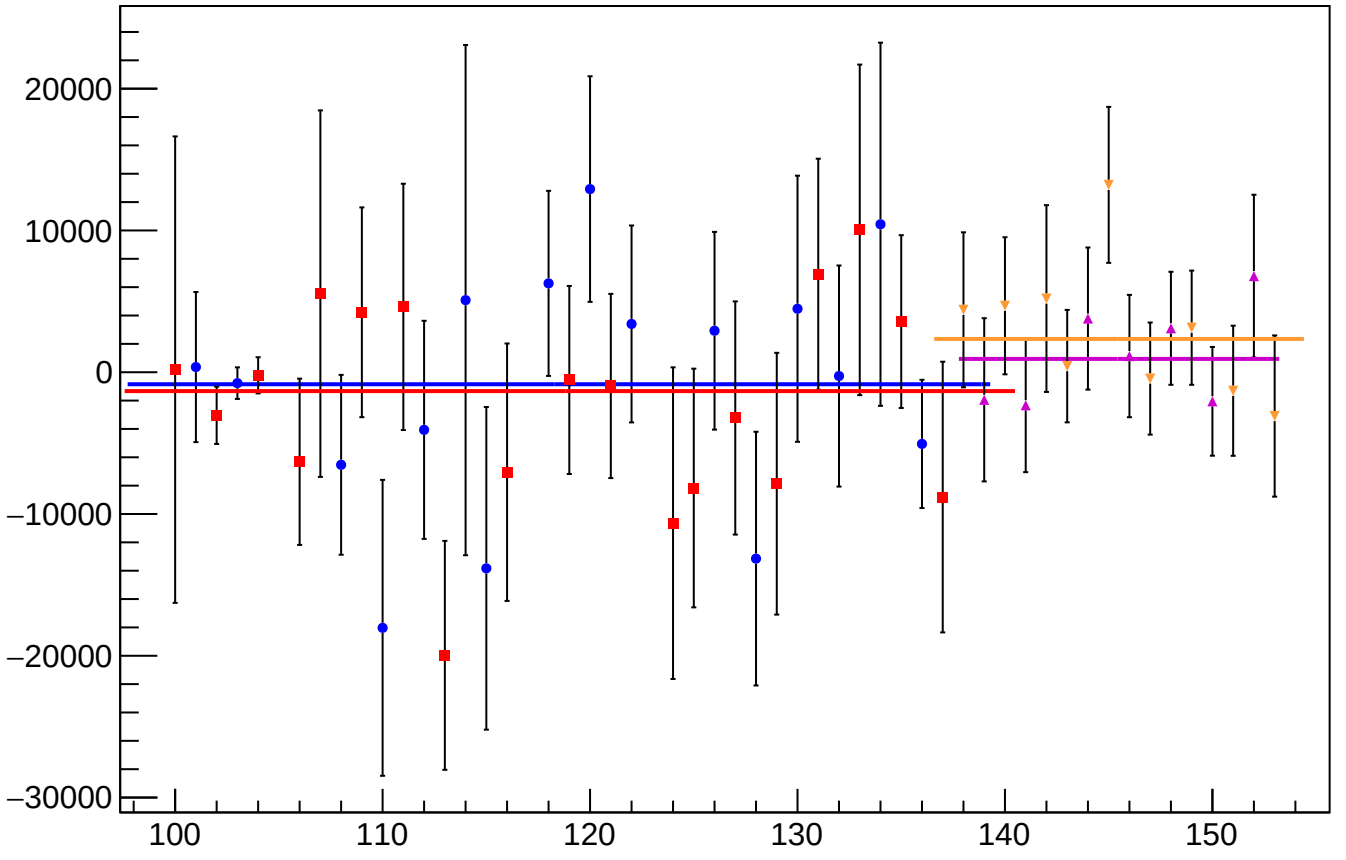
Left: 1750.291+/-0.341 χ^2/NDF: 55721.9/15

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1795.452+/-0.349 χ^2/NDF:306070.1/22

Out: 1824.085+/-0.342 χ^2/NDF:439527.3/27

All: 1810.038+/-0.244 χ^2/NDF: 749026.6/50



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 2347.664+/-1581.147 χ^2/NDF:6.8/8

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: 939.425+/-1741.058 χ^2/NDF:3.0/6

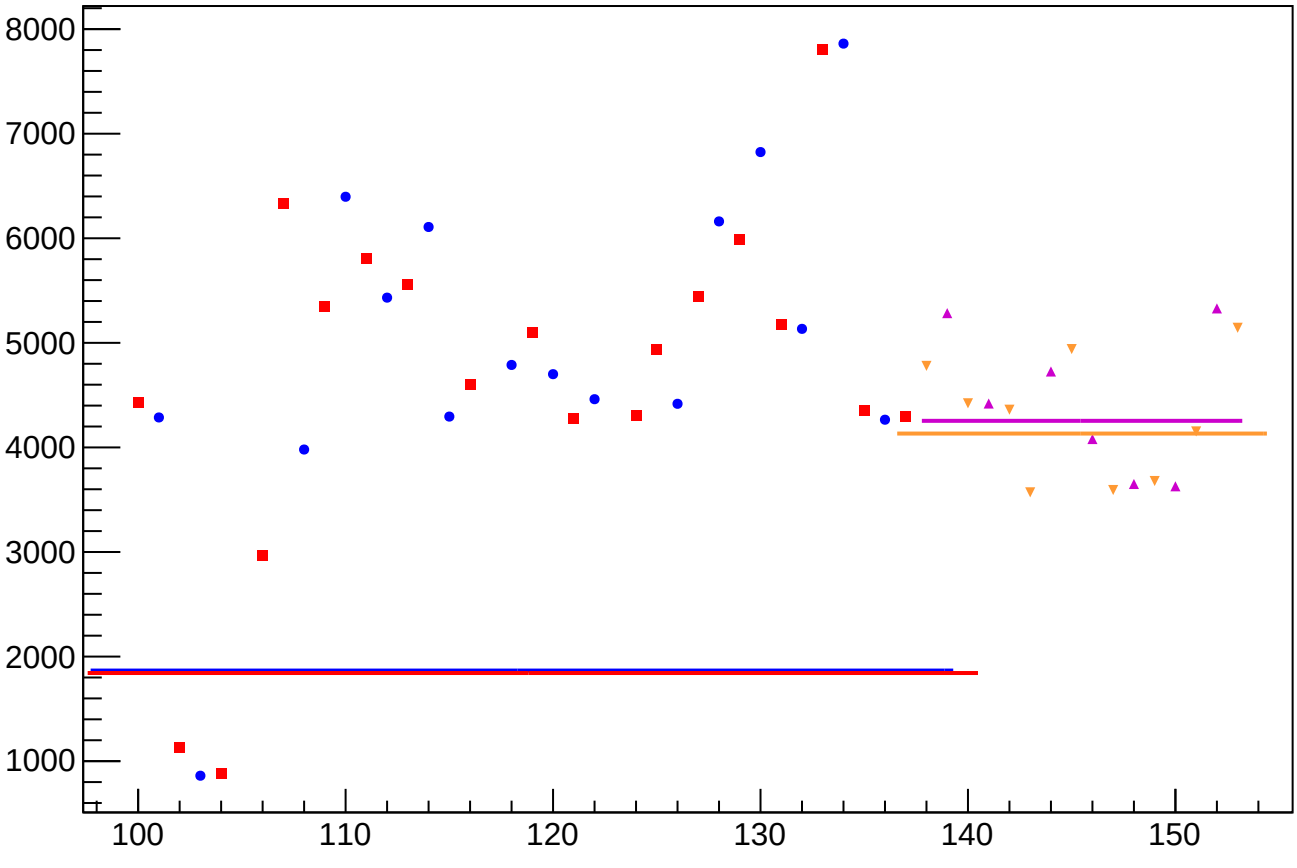
Left: 1711.172+/-1170.500 χ^2/NDF: 10.1/15

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -428.980+/-842.597 χ^2/NDF:17.7/22

Out: -358.302+/-813.162 χ^2/NDF:25.2/27

All: -392.385+/-585.122 χ^2/NDF: 42.9/50



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4132.640+/-1.118 χ^2/NDF:246976.3/8

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4254.327+/-1.231 χ^2/NDF:256790.3/6

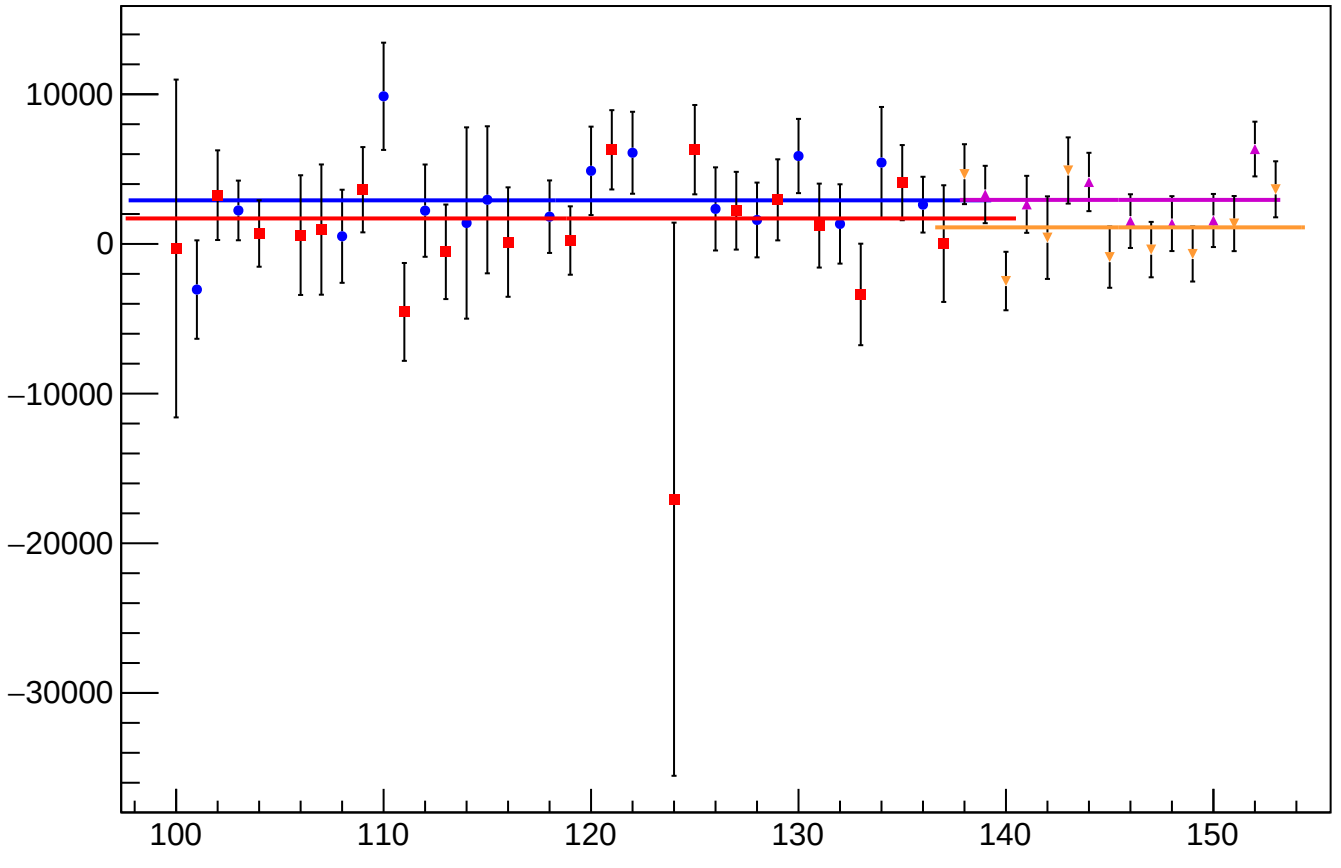
Left: 4187.640+/-0.828 χ^2/NDF: 509120.6/15

Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2425.572+/-0.596 χ^2/NDF:9988274.5/22

Out: 2448.501+/-0.575 χ^2/NDF:9790417.3/27

All: 2437.444+/-0.414 χ^2/NDF: 19779458.6/5



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1107.950+/-666.224 χ^2/NDF:13.9/8

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2942.831+/-700.877 χ^2/NDF:5.9/6

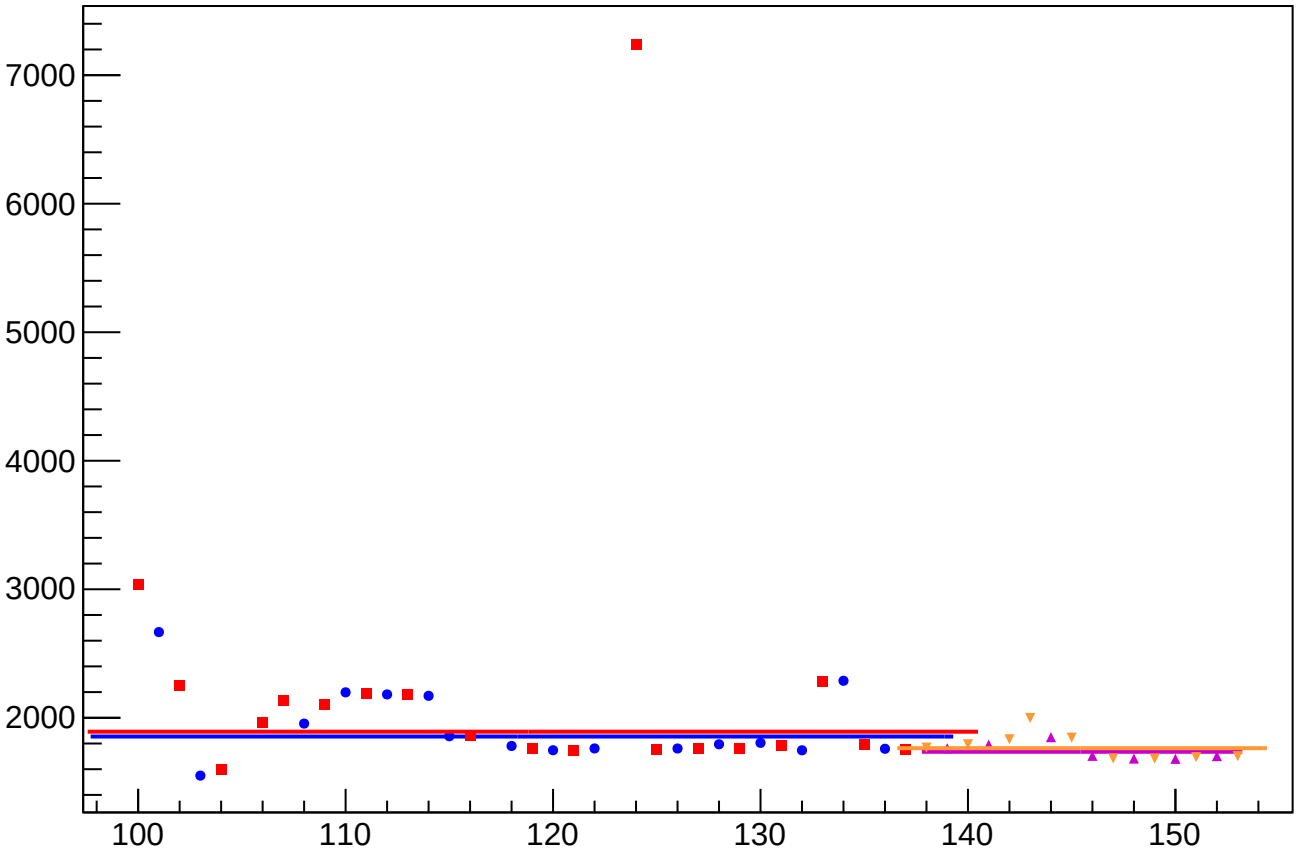
Left: 1978.911+/-482.878 χ^2/NDF: 23.4/15

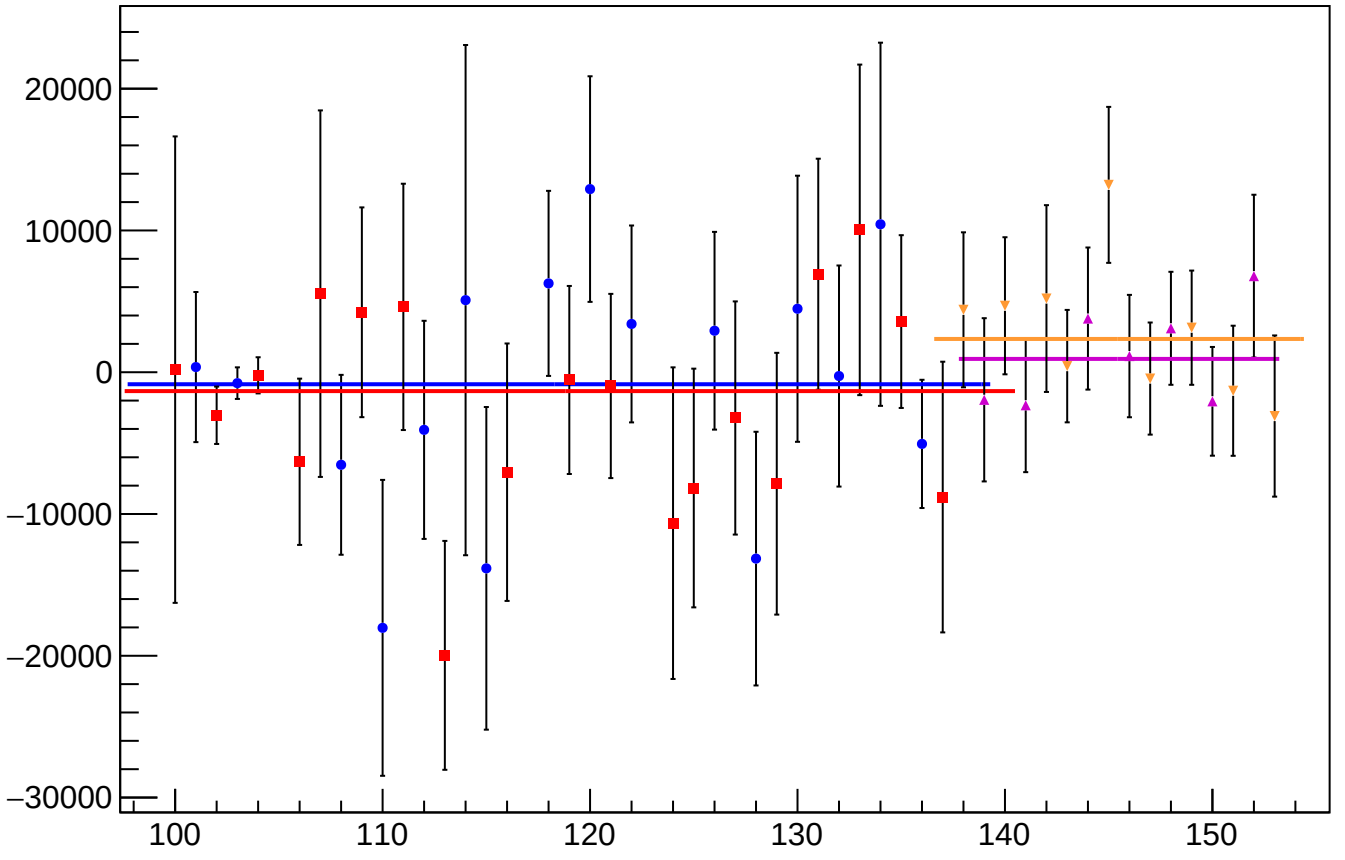
Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2927.837+/-493.526 χ^2/NDF:18.3/22

Out: 1388.131+/-484.817 χ^2/NDF:30.1/27

All: 2144.279+/-345.855 χ^2/NDF: 53.4/50


eigen_cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
Right In: 1854.314+/-0.491 χ²/NDF: 263322.5/15
Left Out: 1763.564+/-0.471 χ²/NDF:40229.4/8
Right Out: 1891.927+/-0.499 χ²/NDF: 364292.2/18
Left In: 1735.602+/-0.496 χ²/NDF:13820.2/6
Left: 1750.291+/-0.341 χ²/NDF: 55721.9/15
Right: 1872.844+/-0.350 χ²/NDF: 630500.1/34
In: 1795.452+/-0.349 χ²/NDF:306070.1/22
Out: 1824.085+/-0.342 χ²/NDF:439527.3/27
All: 1810.038+/-0.244 χ²/NDF: 749026.6/50



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 2347.664+/-1581.147 χ^2/NDF:6.8/8

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: 939.425+/-1741.058 χ^2/NDF:3.0/6

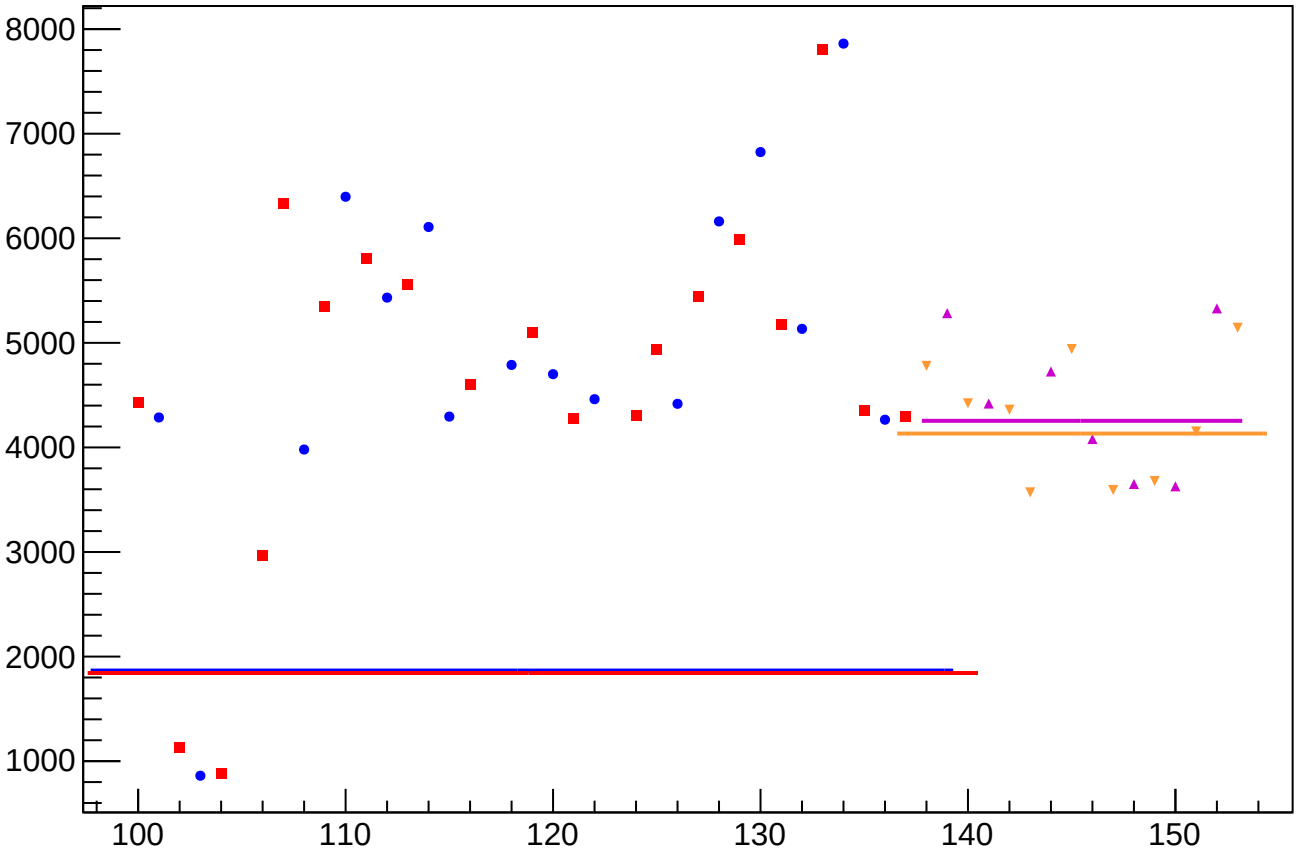
Left: 1711.172+/-1170.500 χ^2/NDF: 10.1/15

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -428.980+/-842.597 χ^2/NDF:17.7/22

Out: -358.302+/-813.162 χ^2/NDF:25.2/27

All: -392.385+/-585.122 χ^2/NDF: 42.9/50



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4132.640+/-1.118 χ^2/NDF:246976.3/8

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4254.327+/-1.231 χ^2/NDF:256790.3/6

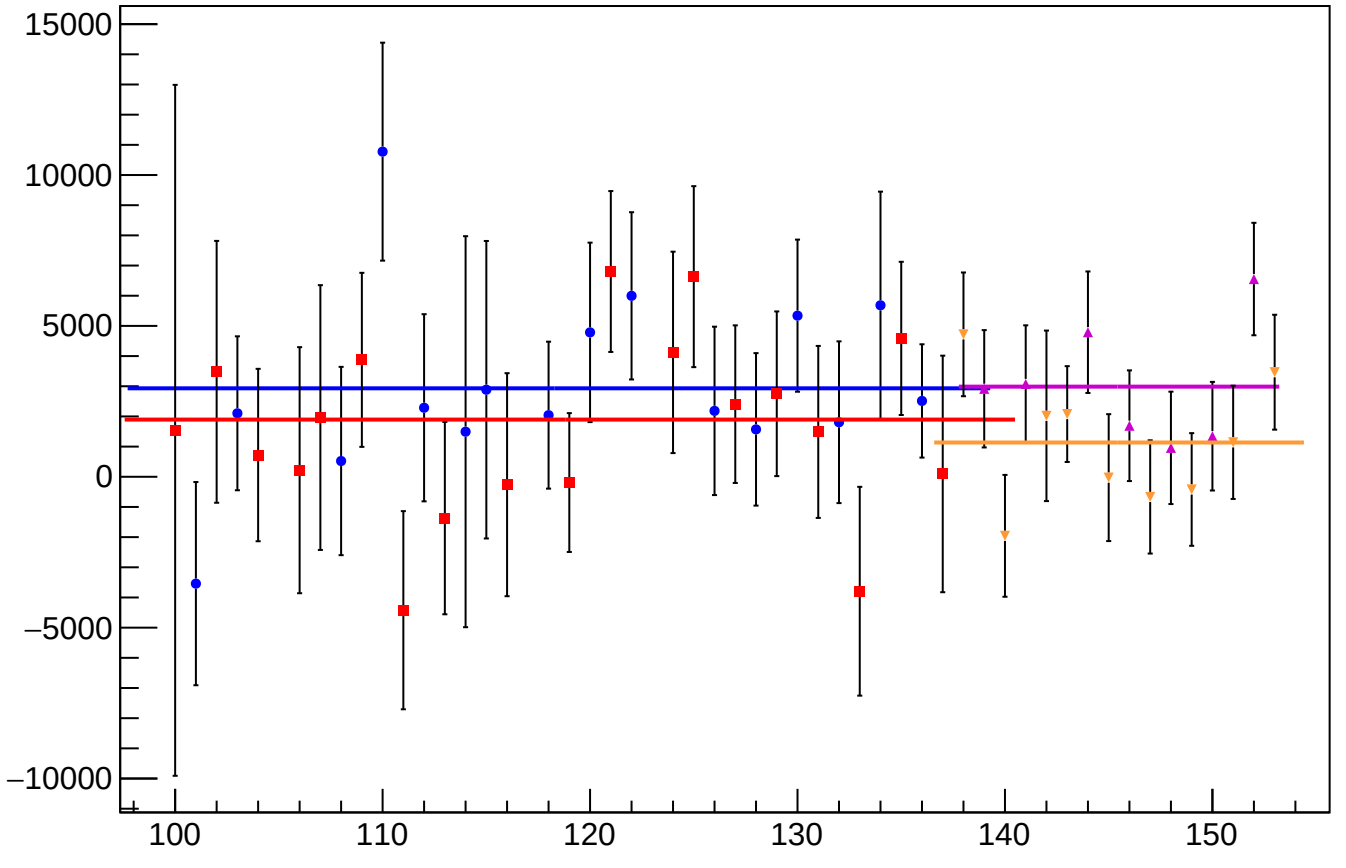
Left: 4187.640+/-0.828 χ^2/NDF: 509120.6/15

Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2425.572+/-0.596 χ^2/NDF:9988274.5/22

Out: 2448.501+/-0.575 χ^2/NDF:9790417.3/27

All: 2437.444+/-0.414 χ^2/NDF: 19779458.6/5



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1136.184+/-650.683 χ^2/NDF:9.3/8

Right Out: 1895.503+/-721.954 χ^2/NDF: 17.4/18

Left In: 2987.282+/-714.538 χ^2/NDF:7.0/6

Left: 1975.341+/-481.097 χ^2/NDF: 19.9/15

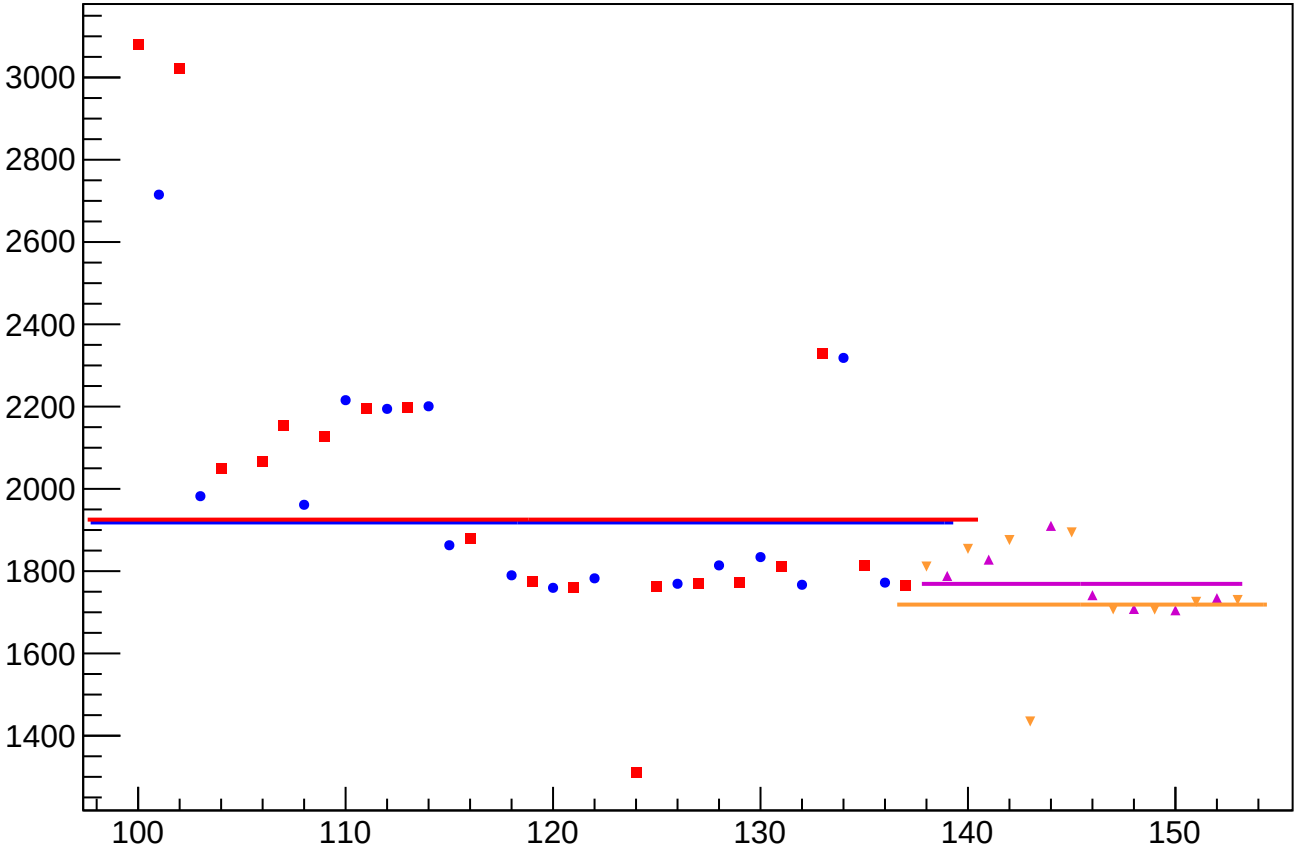
Right: 2416.221+/-509.204 χ^2/NDF: 31.4/34

In: 2959.632+/-506.581 χ^2/NDF:20.0/22

Out: 1476.524+/-483.341 χ^2/NDF:27.3/27

All: 2183.278+/-349.701 χ^2/NDF: 51.7/50

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1718.743+/-0.460 χ^2/NDF:97439.5/8

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

Left In: 1769.071+/-0.505 χ^2/NDF:17674.5/6

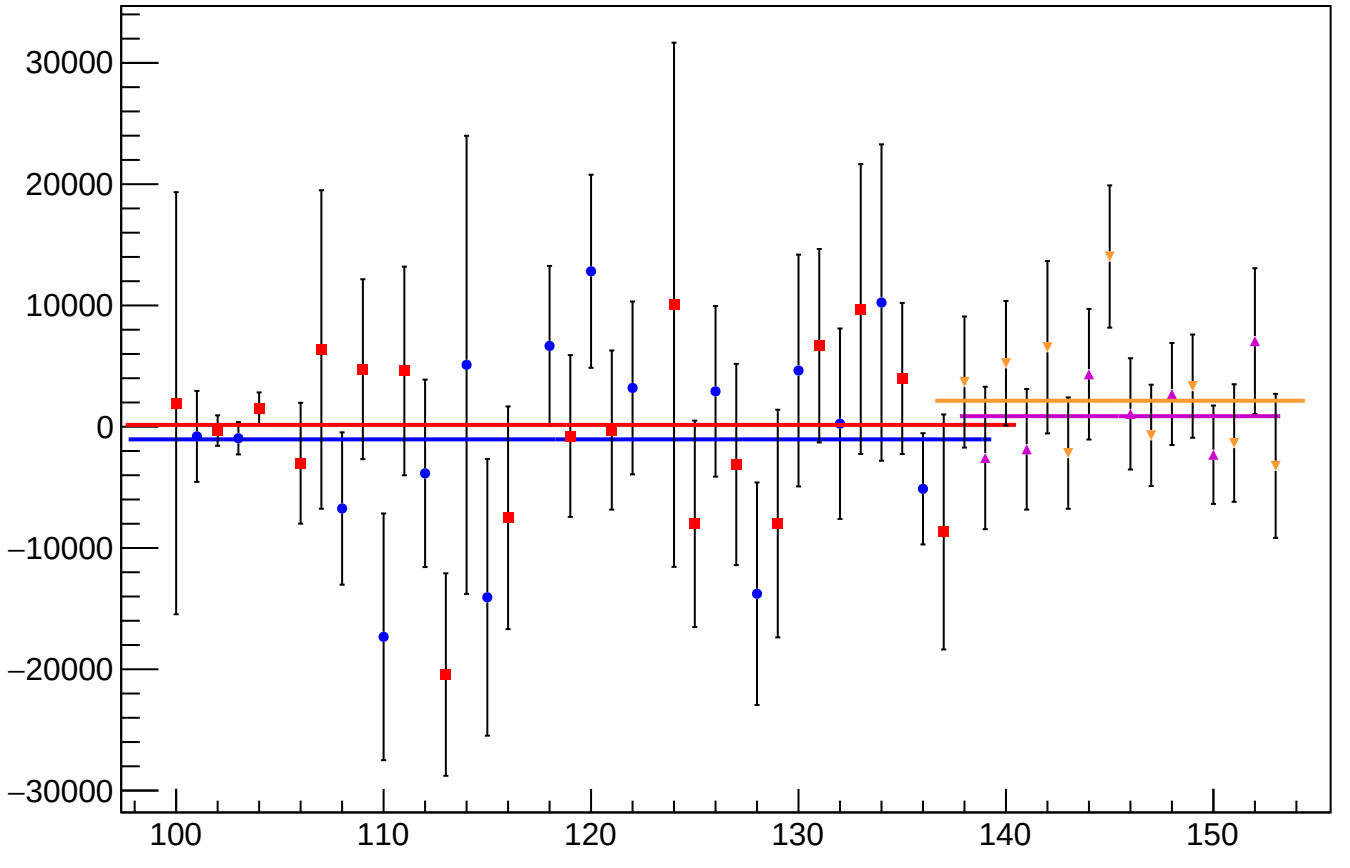
Left: 1741.558+/-0.340 χ^2/NDF: 120538.1/15

Right: 1921.799+/-0.360 χ^2/NDF: 554779.7/34

In: 1843.327+/-0.358 χ^2/NDF:276693.9/22

Out: 1811.391+/-0.342 χ^2/NDF:526917.0/27

All: 1826.604+/-0.247 χ^2/NDF: 807773.1/50



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 2144.058+/-1685.551 χ^2/NDF:7.7/8

Right Out: 153.619+/-835.656 χ^2/NDF: 13.7/18

Left In: 868.772+/-1836.779 χ^2/NDF:2.9/6

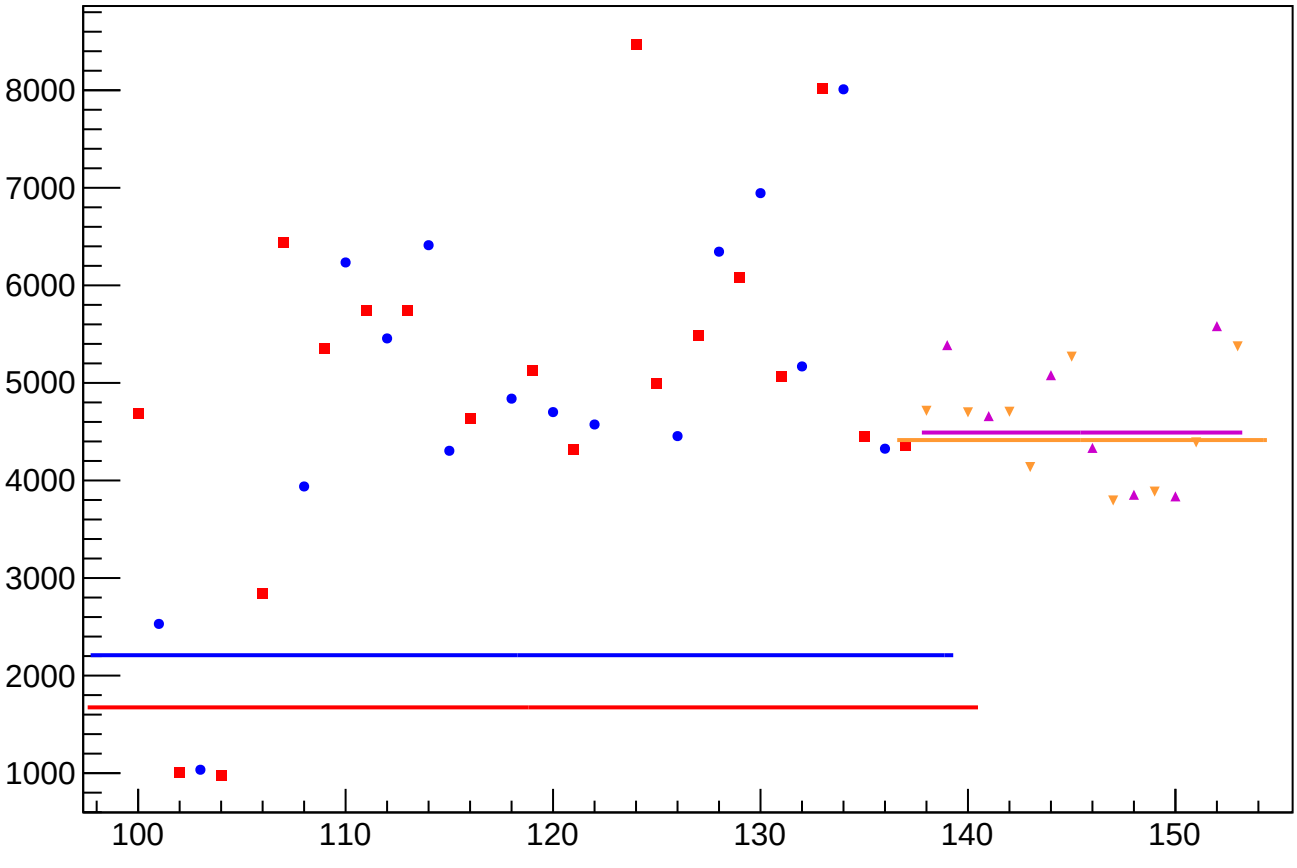
Left: 1561.067+/-1241.892 χ^2/NDF: 10.9/15

Right: -298.053+/-659.161 χ^2/NDF: 28.3/34

In: -556.170+/-926.113 χ^2/NDF:17.6/22

Out: 546.331+/-748.694 χ^2/NDF:22.6/27

All: 110.577+/-582.231 χ^2/NDF: 41.0/50



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4414.247+/-1.192 χ^2/NDF:192560.6/8

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

Left In: 4491.273+/-1.299 χ^2/NDF:238902.2/6

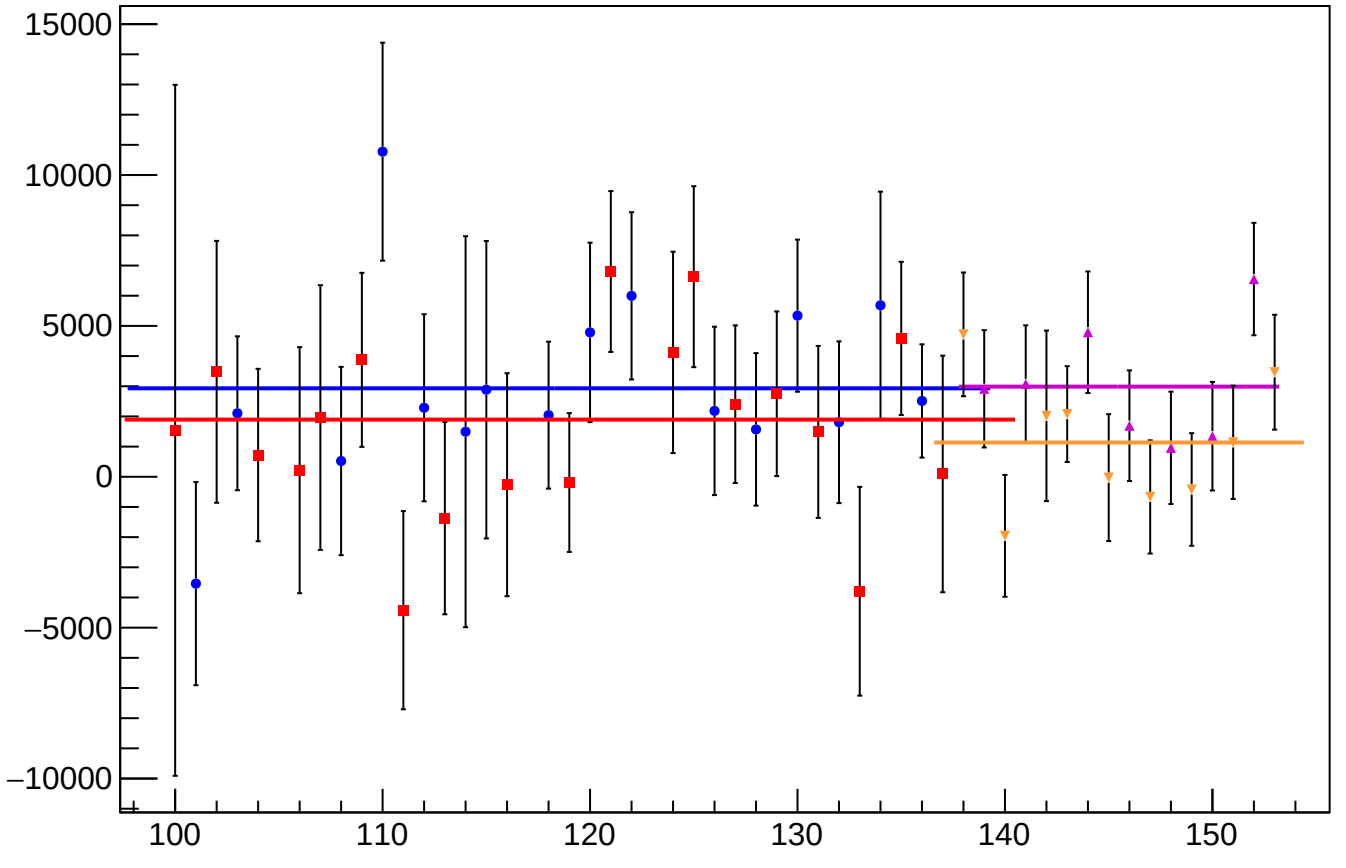
Left: 4449.459+/-0.878 χ^2/NDF: 433372.1/15

Right: 1876.192+/-0.466 χ^2/NDF: 12661639.3/34

In: 2789.139+/-0.655 χ^2/NDF:8040914.0/22

Out: 2214.777+/-0.529 χ^2/NDF:11288333.1/27

All: 2441.789+/-0.412 χ^2/NDF: 19794463.7/5



Right In: 2931.693+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1136.182+/-650.683 χ^2/NDF:9.3/8

Right Out: 1895.508+/-721.953 χ^2/NDF: 17.4/18

Left In: 2987.278+/-714.538 χ^2/NDF:7.0/6

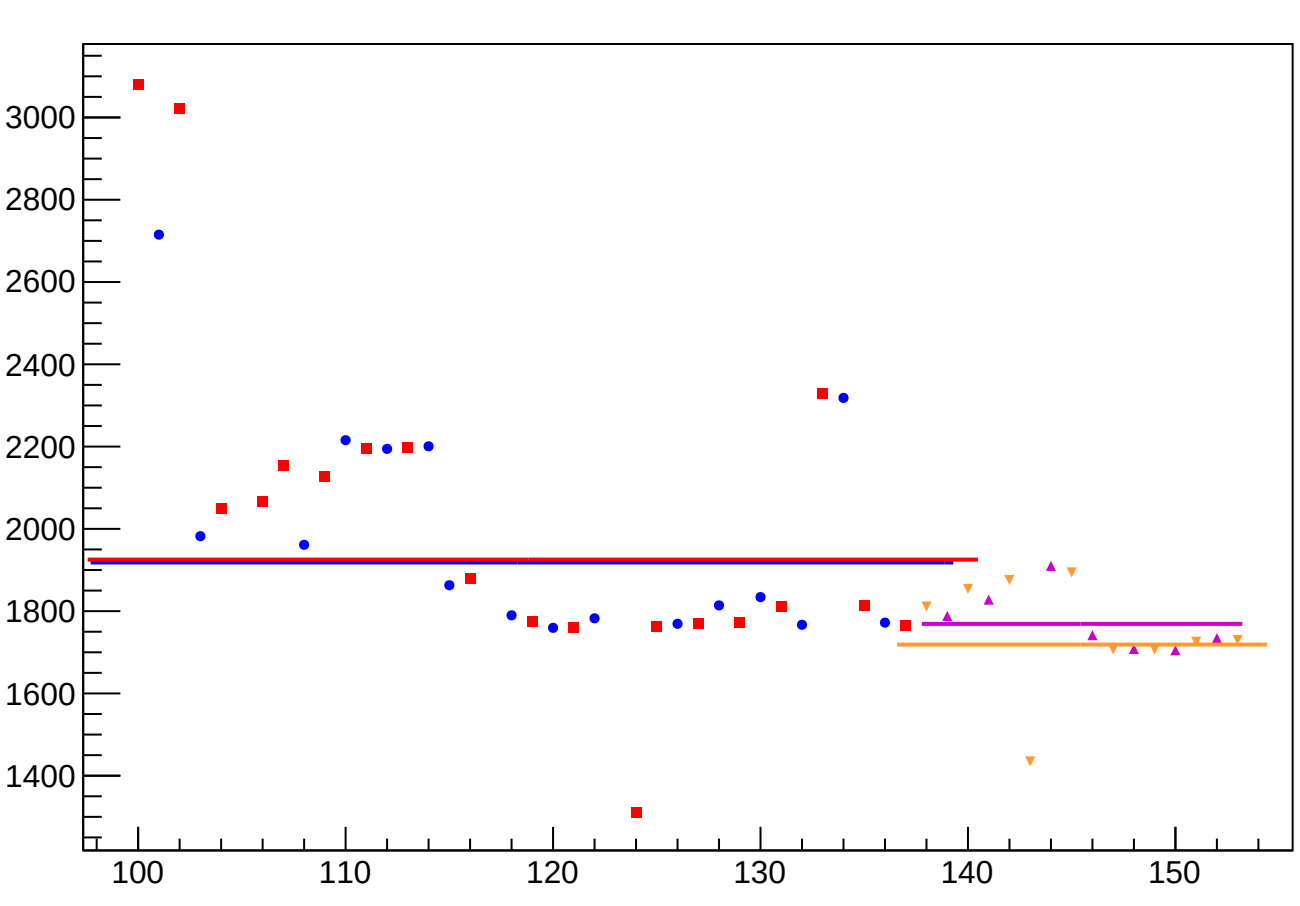
Left: 1975.339+/-481.097 χ^2/NDF: 19.9/15

Right: 2416.225+/-509.203 χ^2/NDF: 31.4/34

In: 2959.632+/-506.581 χ^2/NDF:20.0/22

Out: 1476.525+/-483.341 χ^2/NDF:27.3/27

All: 2183.279+/-349.701 χ^2/NDF: 51.7/50



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1718.744+/-0.460 χ^2/NDF:97438.5/8

Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 1769.072+/-0.505 χ^2/NDF:17674.5/6

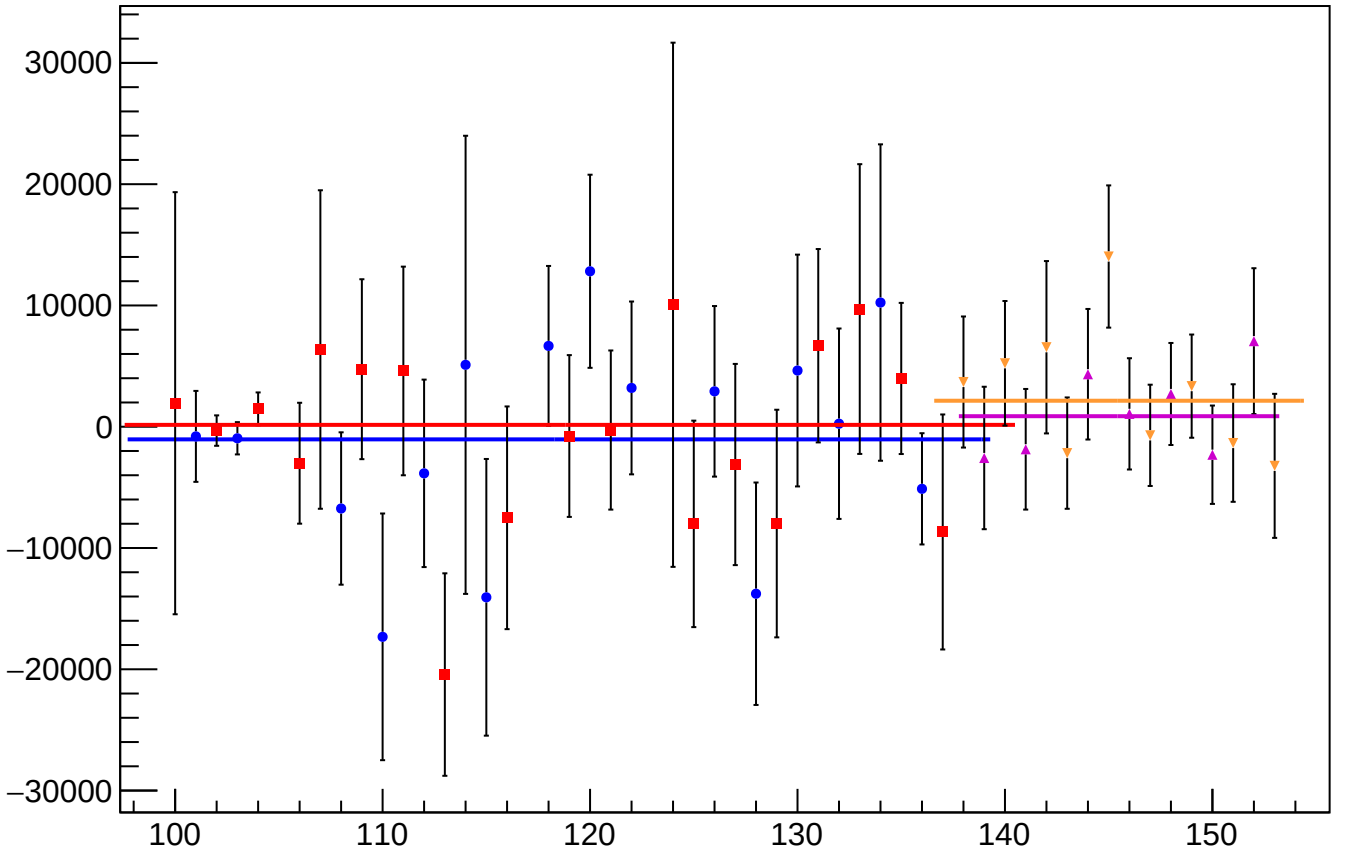
Left: 1741.559+/-0.340 χ^2/NDF: 120537.0/15

Right: 1921.798+/-0.360 χ^2/NDF: 554778.8/34

In: 1843.327+/-0.358 χ^2/NDF:276693.1/22

Out: 1811.392+/-0.342 χ^2/NDF:526913.7/27

All: 1826.604+/-0.247 χ^2/NDF: 807768.9/50



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 2144.057+/-1685.554 χ^2/NDF:7.7/8

Right Out: 153.614+/-835.655 χ^2/NDF: 13.7/18

Left In: 868.769+/-1836.782 χ^2/NDF:2.9/6

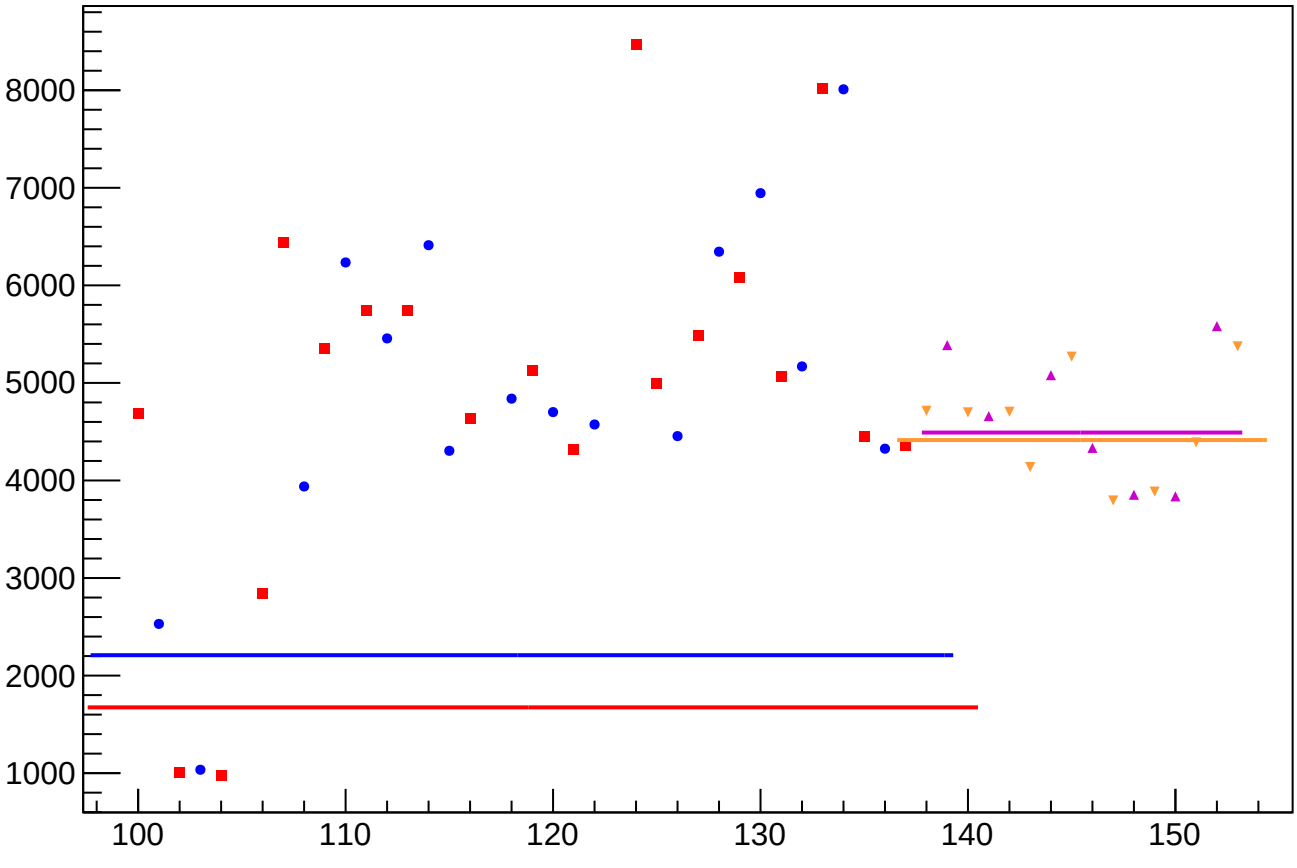
Left: 1561.066+/-1241.894 χ^2/NDF: 10.9/15

Right: -298.056+/-659.161 χ^2/NDF: 28.3/34

In: -556.171+/-926.113 χ^2/NDF:17.6/22

Out: 546.325+/-748.694 χ^2/NDF:22.6/27

All: 110.573+/-582.231 χ^2/NDF: 41.0/50



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4414.253+/-1.192 χ^2/NDF:192559.7/8

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

Left In: 4491.279+/-1.299 χ^2/NDF:238900.6/6

Left: 4449.465+/-0.878 χ^2/NDF: 433369.6/15

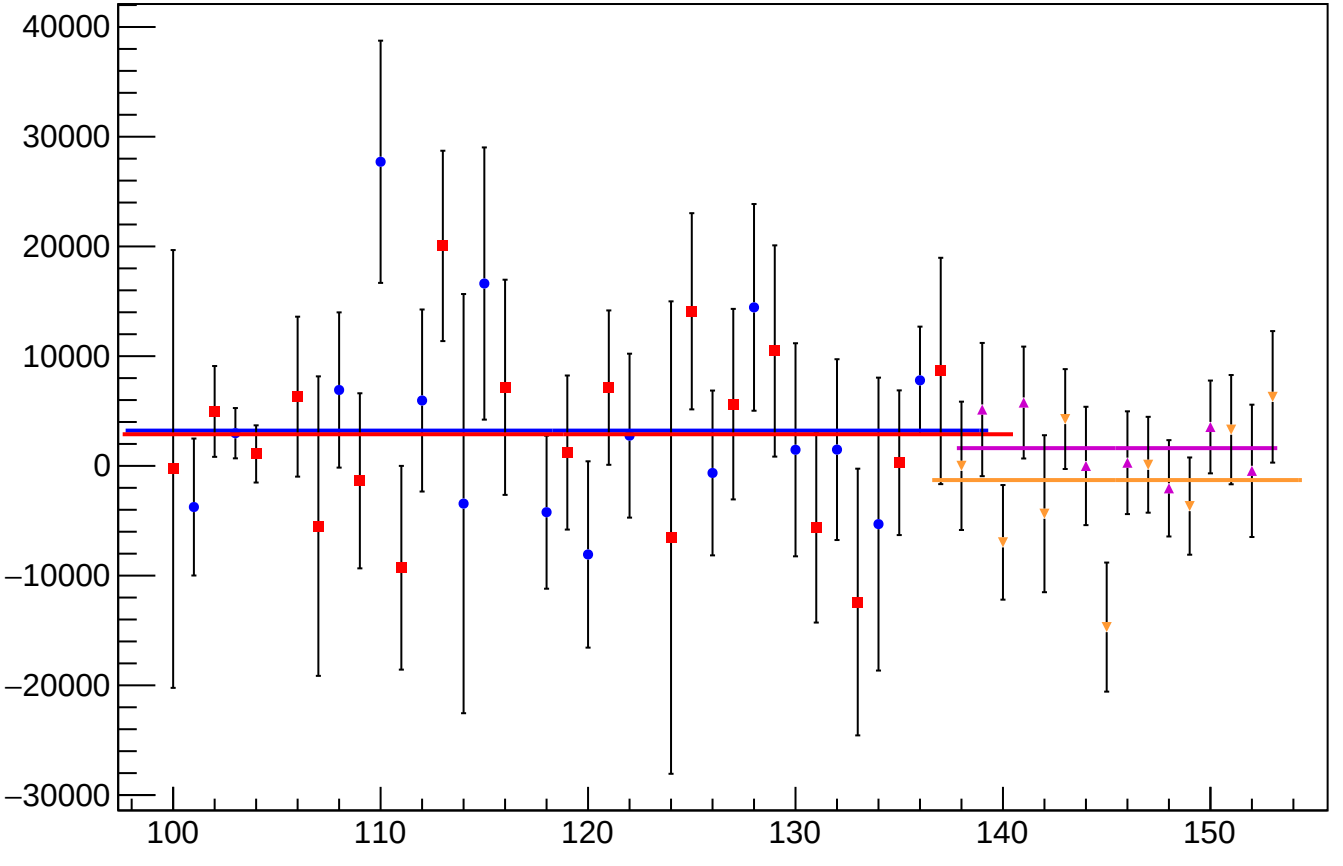
Right: 1876.191+/-0.466 χ^2/NDF: 12661624.0/34

In: 2789.139+/-0.655 χ^2/NDF:8040915.9/22

Out: 2214.777+/-0.529 χ^2/NDF:11288336.3/27

All: 2441.788+/-0.412 χ^2/NDF: 19794468.9/5

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: -1292.641+/-1730.093 χ^2/NDF:10.9/8

Right Out: 2883.411+/-1552.120 χ^2/NDF: 13.4/18

Left In: 1617.433+/-1886.918 χ^2/NDF:2.2/6

Left: 36.459+/-1275.204 χ^2/NDF: 14.4/15

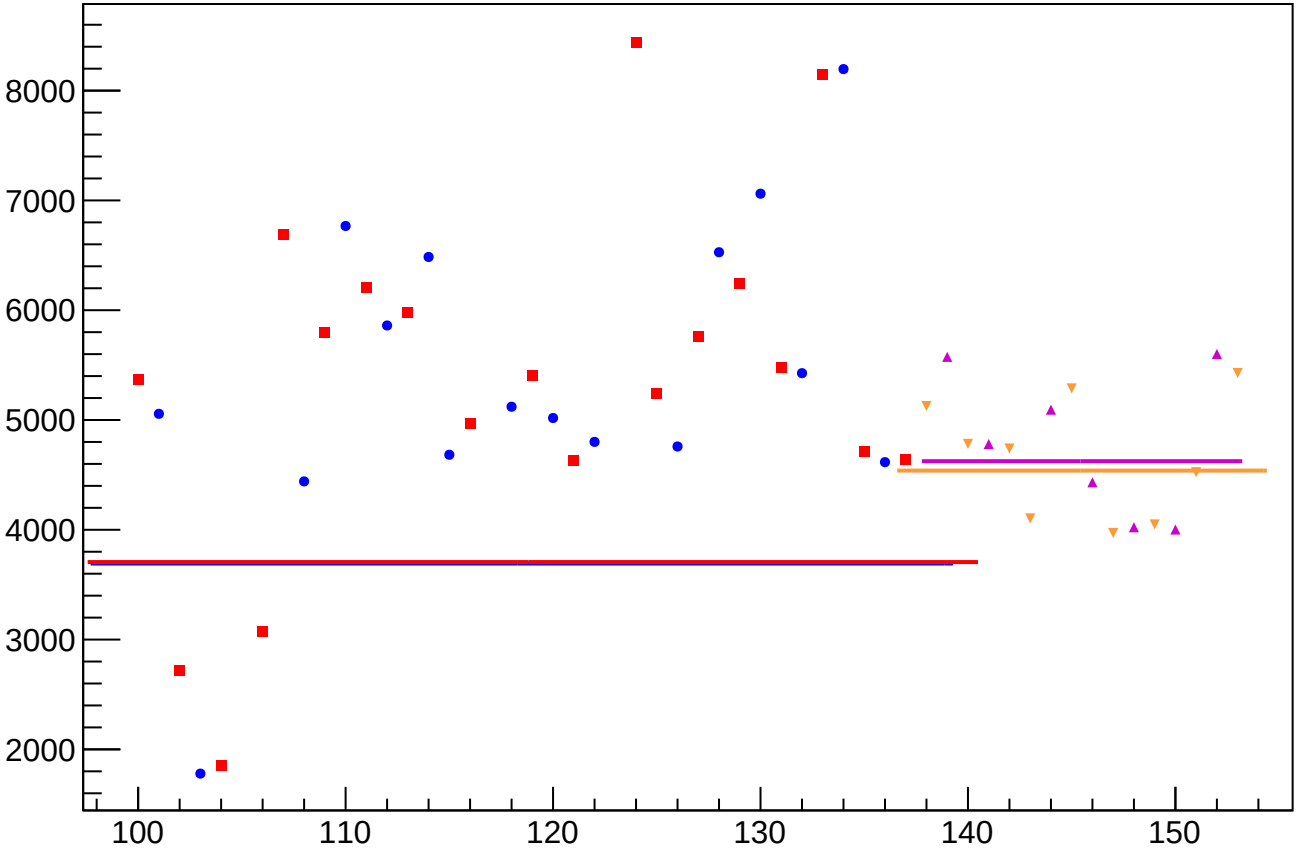
Right: 3050.935+/-1092.940 χ^2/NDF: 27.2/34

In: 2577.087+/-1192.740 χ^2/NDF:16.4/22

Out: 1021.161+/-1155.328 χ^2/NDF:27.6/27

All: 1774.339+/-829.852 χ^2/NDF: 44.9/50

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 4539.255+/-1.223 χ^2/NDF:179191.2/8

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

Left In: 4624.946+/-1.334 χ^2/NDF:202662.2/6

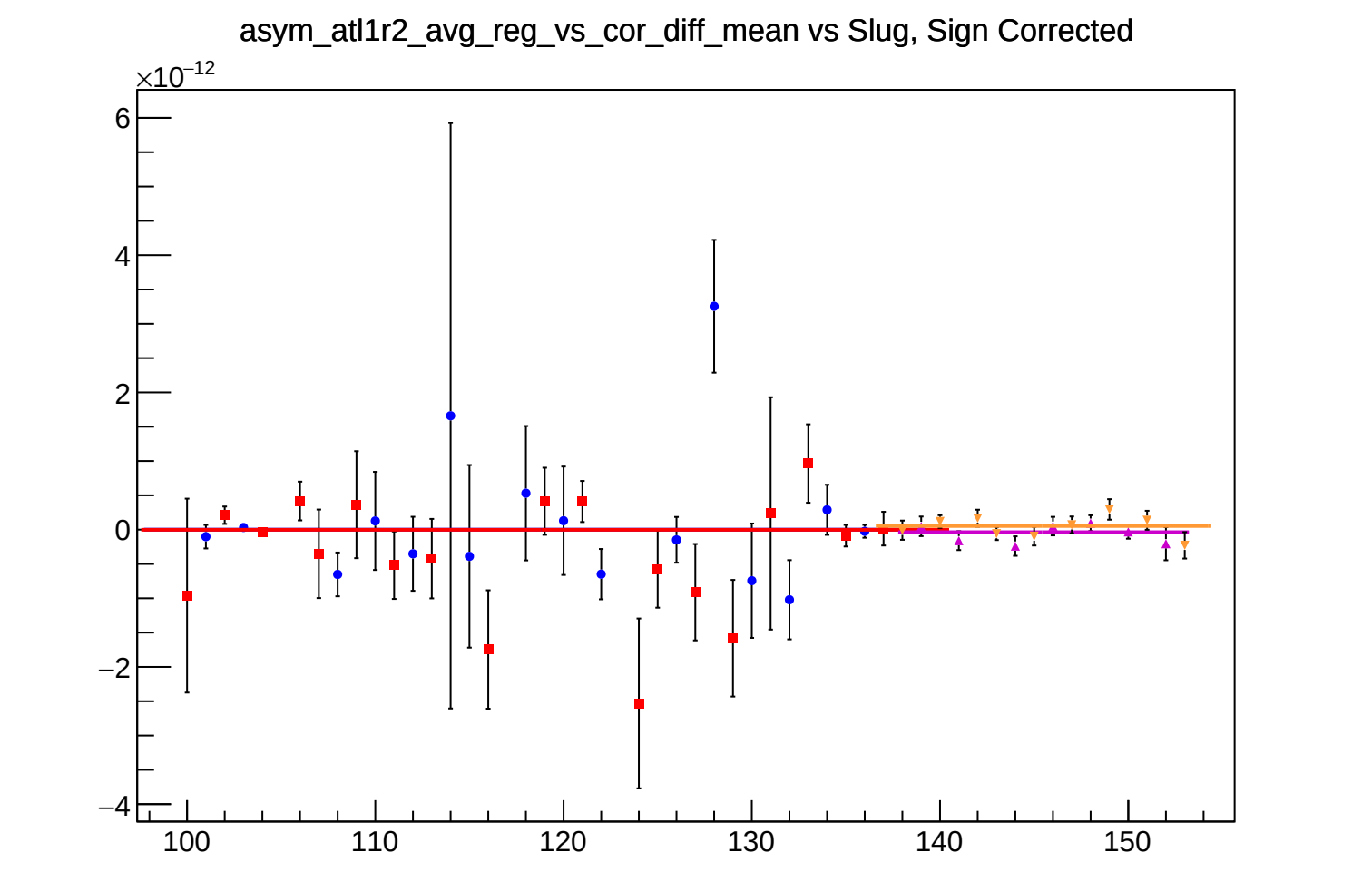
Left: 4578.392+/-0.902 χ^2/NDF: 384094.2/15

Right: 3699.460+/-0.769 χ^2/NDF: 5570260.4/34

In: 4065.261+/-0.843 χ^2/NDF:3381371.9/22

Out: 4073.497+/-0.812 χ^2/NDF:3123009.6/27

All: 4069.533+/-0.585 χ^2/NDF: 6504431.0/50



Right In: -0.000+/-0.000 χ^2/NDF: 25.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.3/8

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:5.4/6

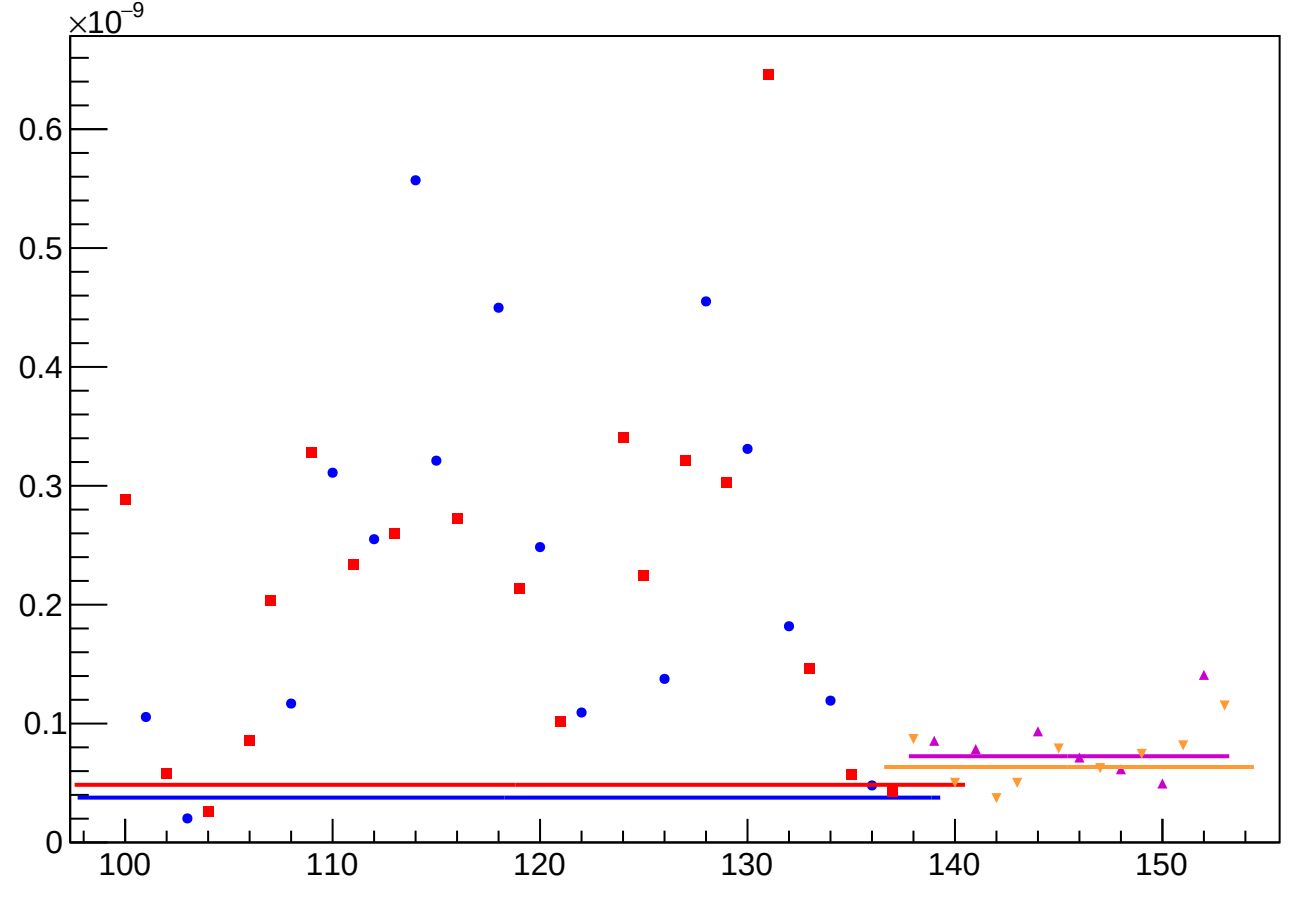
Left: 0.000+/-0.000 χ^2/NDF: 16.6/15

Right: -0.000+/-0.000 χ^2/NDF: 53.6/34

In: -0.000+/-0.000 χ^2/NDF:31.2/22

Out: 0.000+/-0.000 χ^2/NDF:38.3/27

All: 0.000+/-0.000 χ^2/NDF: 70.4/50



Right In: 0.000+/-0.000 χ^2/NDF: 3140697.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:445363.4/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2895431.5/18

Left In: 0.000+/-0.000 χ^2/NDF:349024.2/6

Left: 0.000+/-0.000 χ^2/NDF: 833620.8/15

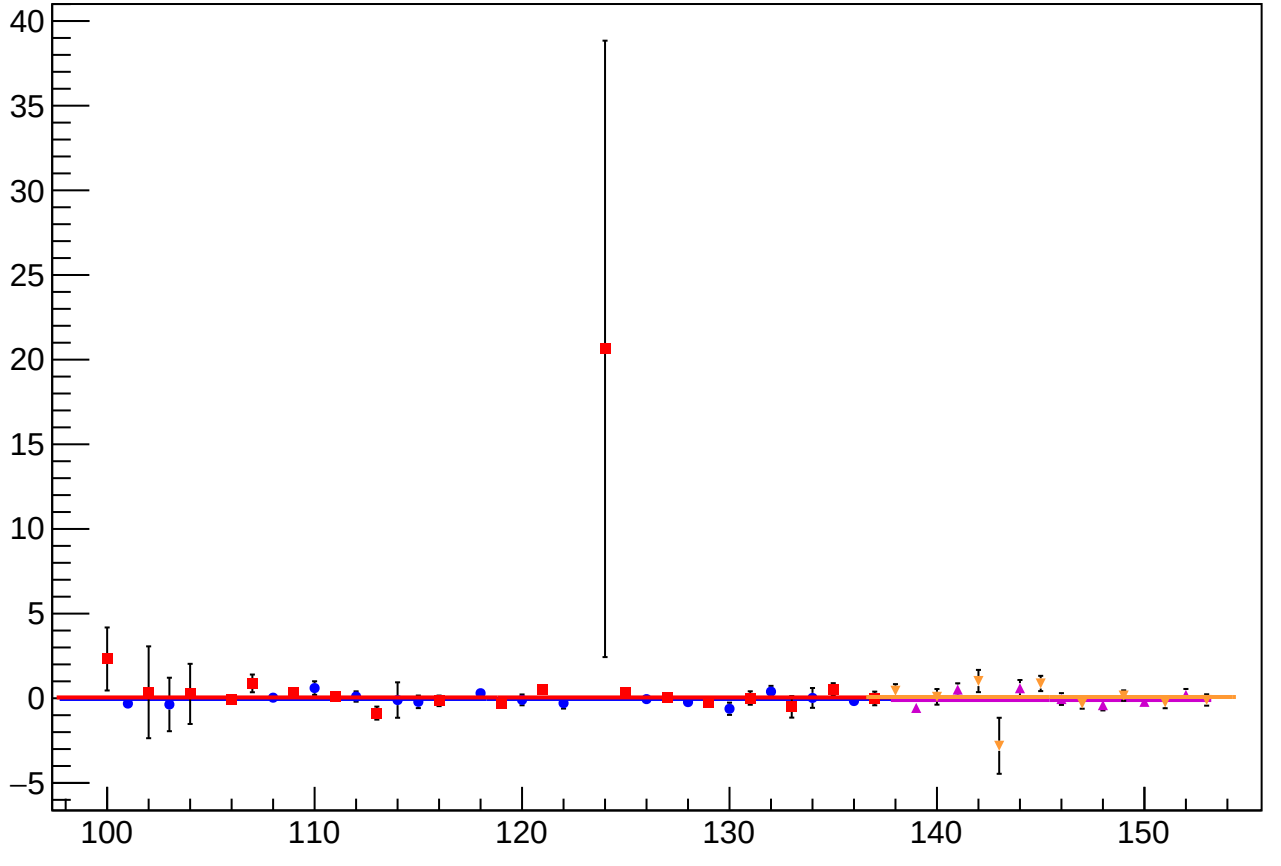
Right: 0.000+/-0.000 χ^2/NDF: 6105820.7/34

In: 0.000+/-0.000 χ^2/NDF:4123360.9/22

Out: 0.000+/-0.000 χ^2/NDF:3462155.9/27

All: 0.000+/-0.000 χ^2/NDF: 7639352.0/50

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: 0.075+/-0.132 χ^2/NDF:11.9/8

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.104+/-0.126 χ^2/NDF:9.7/6

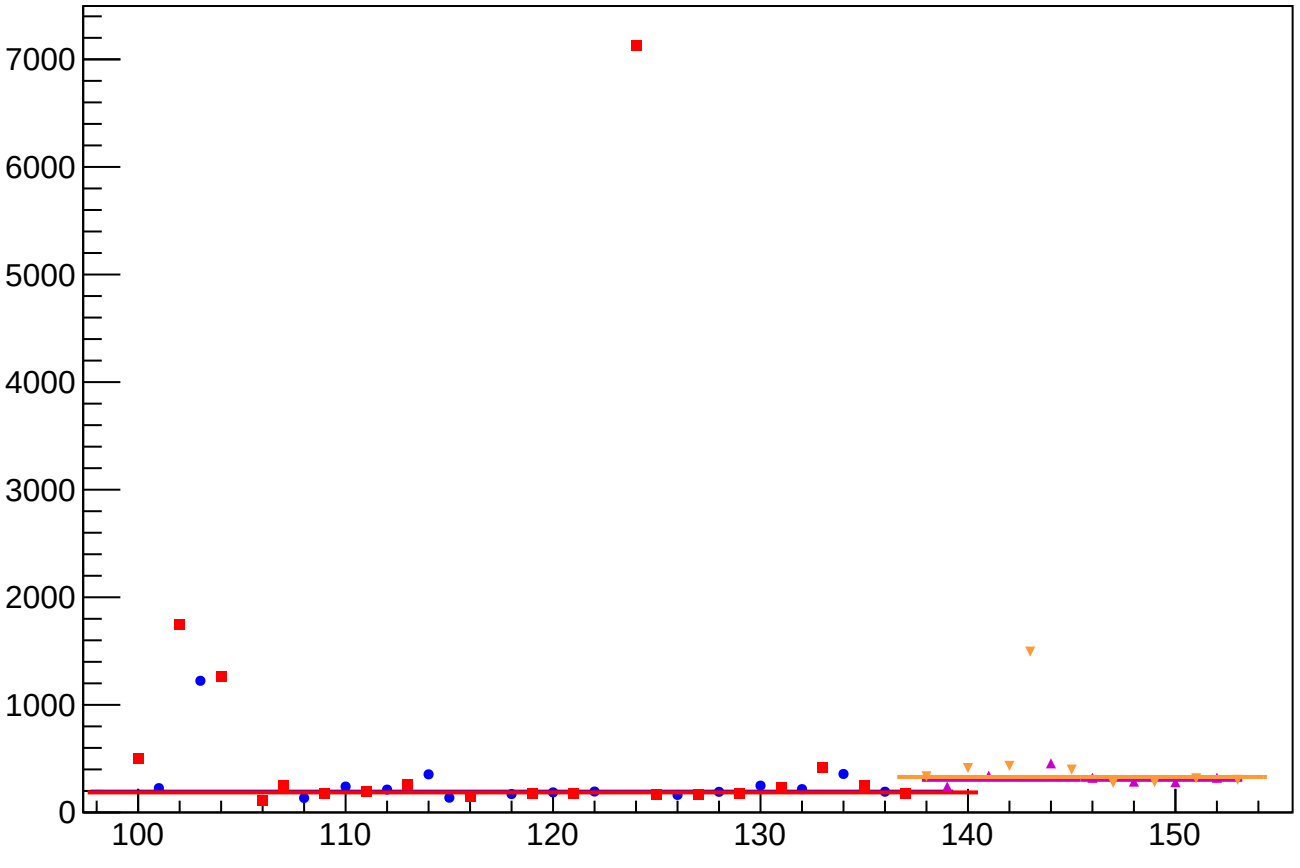
Left: -0.019+/-0.091 χ^2/NDF: 22.5/15

Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.059+/-0.066 χ^2/NDF:21.6/22

Out: 0.056+/-0.068 χ^2/NDF:34.9/27

All: -0.003+/-0.047 χ^2/NDF: 58.0/50



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 329.771+/-0.094 χ^2/NDF:1277691.4/8

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 303.297+/-0.089 χ^2/NDF:354898.7/6

Left: 315.891+/-0.064 χ^2/NDF: 1674617.5/15

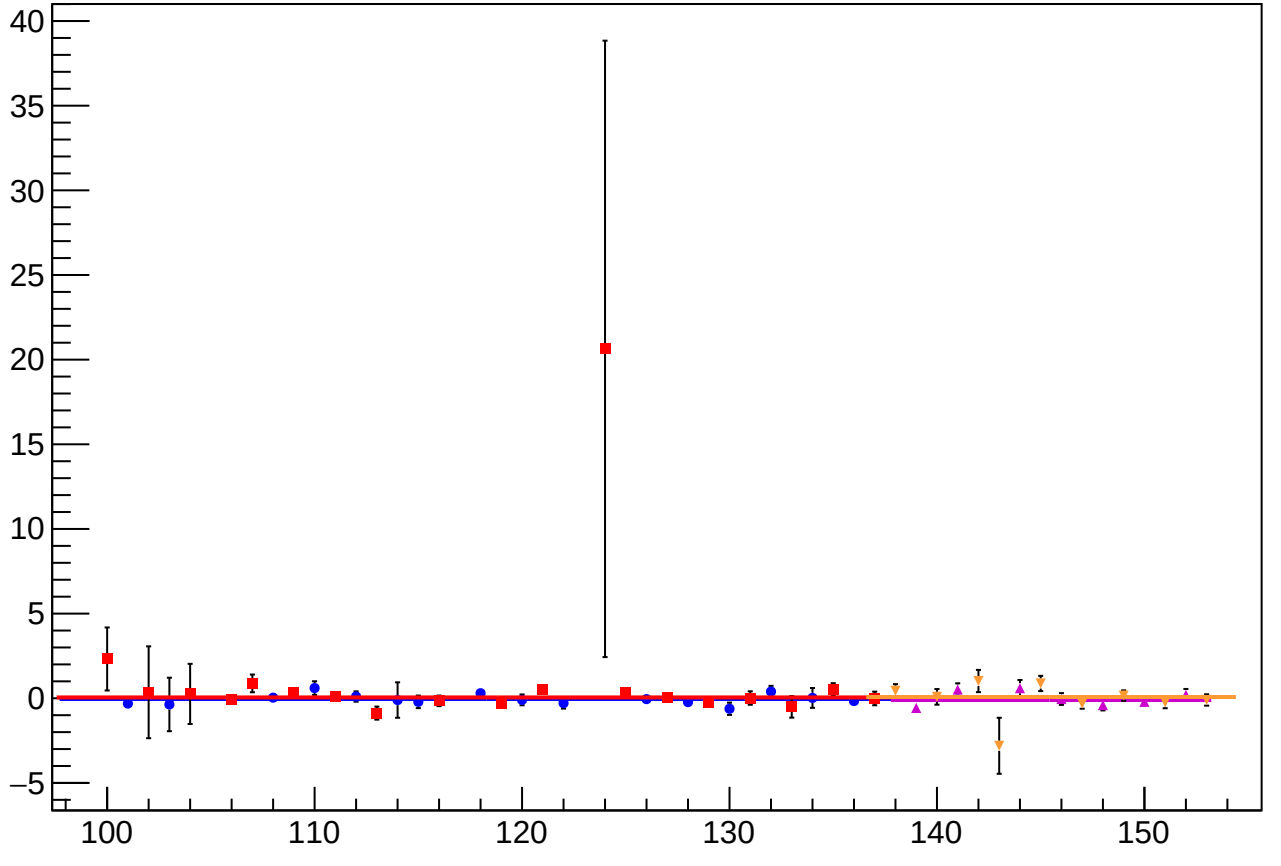
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 223.610+/-0.047 χ^2/NDF:2868633.7/22

Out: 223.948+/-0.048 χ^2/NDF:5492353.4/27

All: 223.776+/-0.033 χ^2/NDF: 8361012.6/50

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: 0.075+/-0.132 χ^2/NDF:11.9/8

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.104+/-0.126 χ^2/NDF:9.7/6

Left: -0.019+/-0.091 χ^2/NDF: 22.5/15

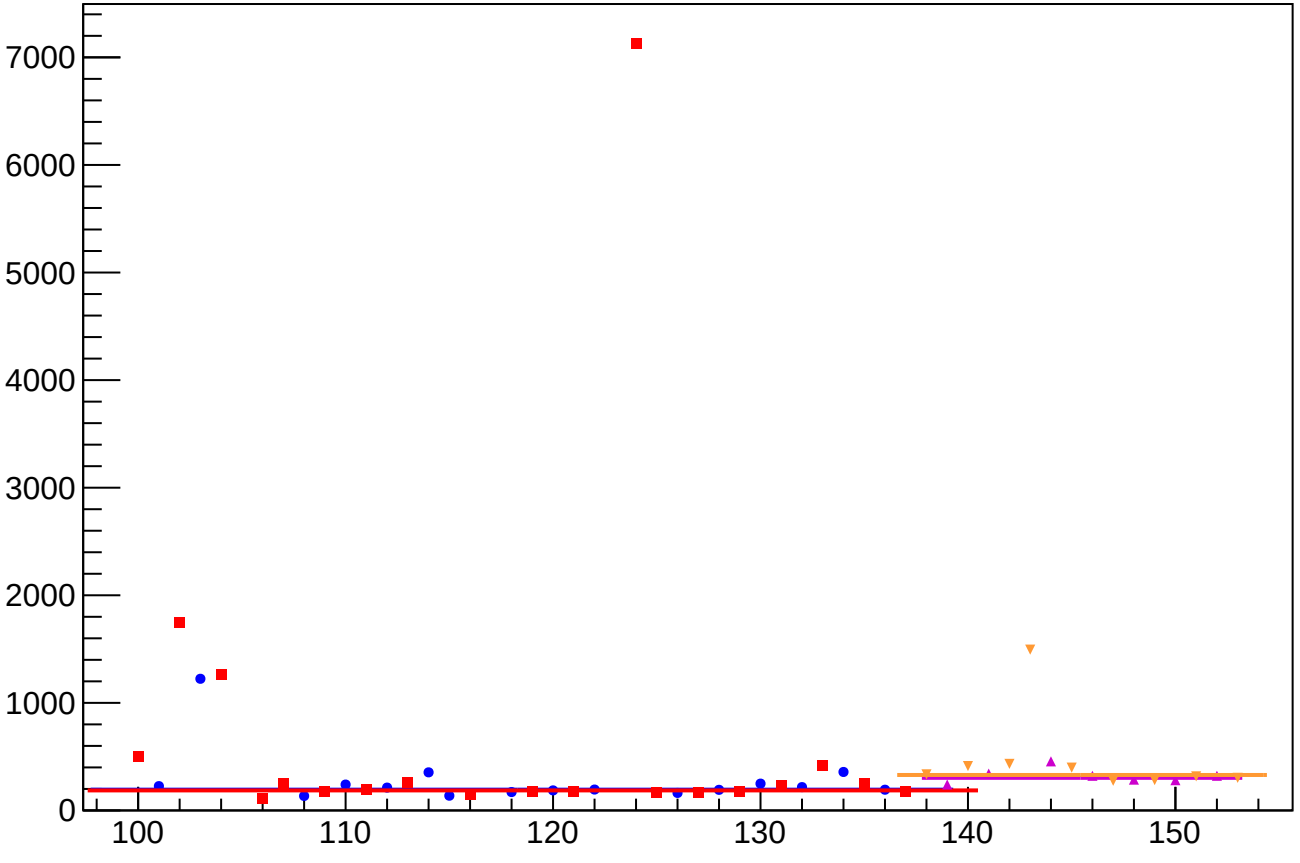
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.059+/-0.066 χ^2/NDF:21.6/22

Out: 0.056+/-0.068 χ^2/NDF:34.9/27

All: -0.003+/-0.047 χ^2/NDF: 58.0/50

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: 329.771+/-0.094 χ^2/NDF:1277691.4/8

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 303.297+/-0.089 χ^2/NDF:354898.7/6

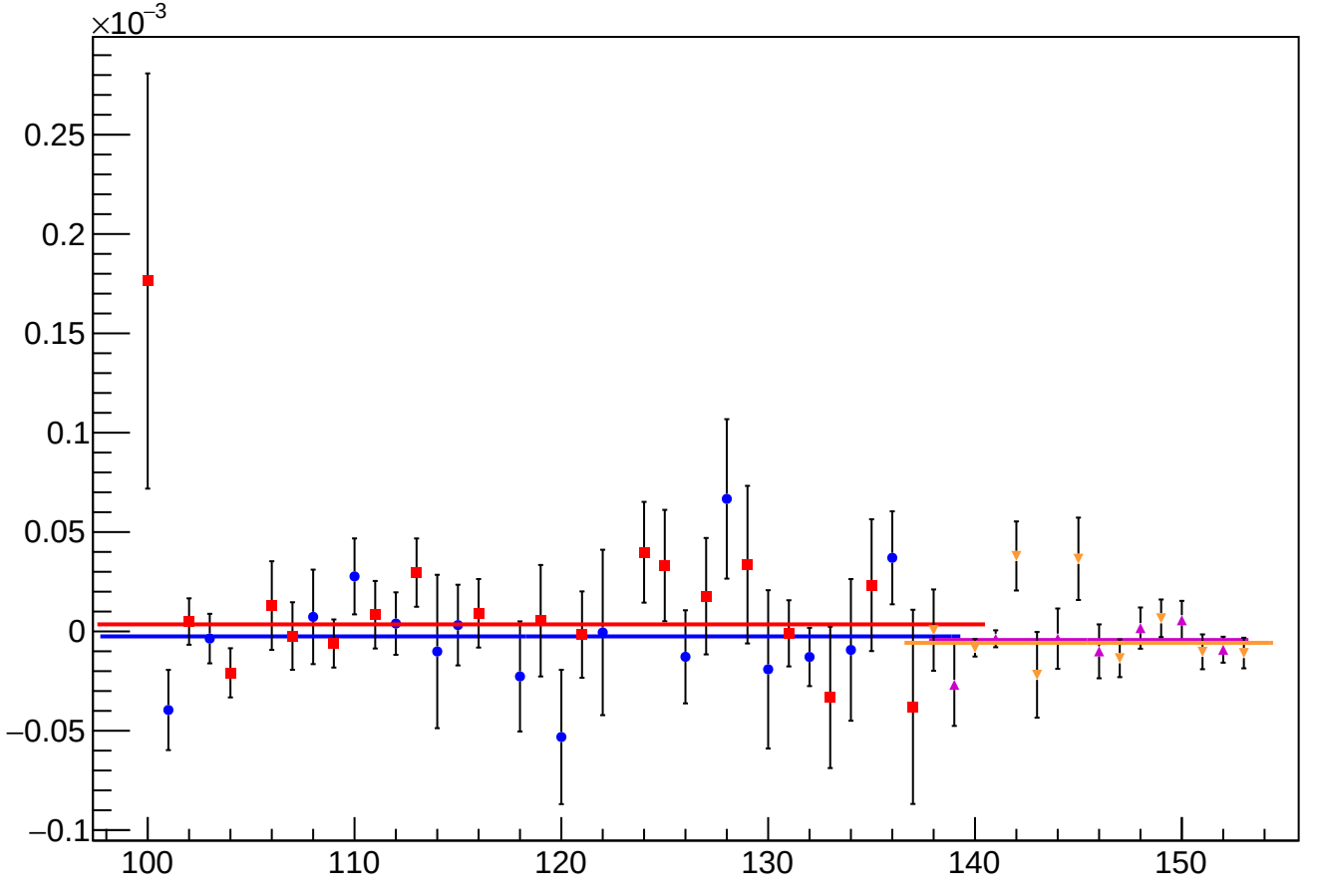
Left: 315.891+/-0.064 χ^2/NDF: 1674617.5/15

Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 223.610+/-0.047 χ^2/NDF:2868633.7/22

Out: 223.948+/-0.048 χ^2/NDF:5492353.4/27

All: 223.776+/-0.033 χ^2/NDF: 8361012.6/50



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.5/8

Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: -0.000+/-0.000 χ^2/NDF:3.3/6

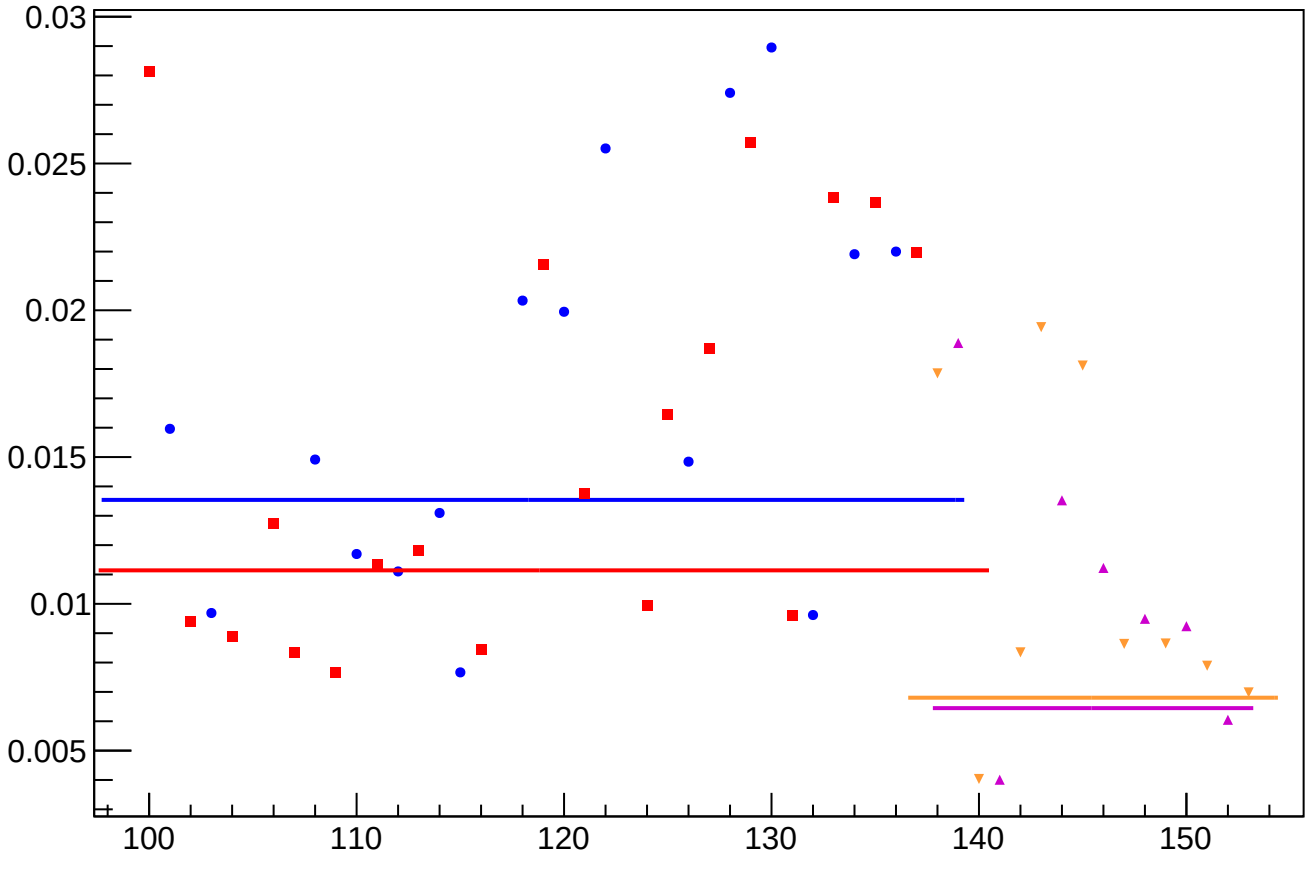
Left: -0.000+/-0.000 χ^2/NDF: 18.0/15

Right: 0.000+/-0.000 χ^2/NDF: 32.9/34

In: -0.000+/-0.000 χ^2/NDF:19.2/22

Out: -0.000+/-0.000 χ^2/NDF:33.9/27

All: -0.000+/-0.000 χ^2/NDF: 53.2/50



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:2855041.5/8

Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.006+/-0.000 χ^2/NDF:2402786.5/6

Left: 0.007+/-0.000 χ^2/NDF: 5271975.4/15

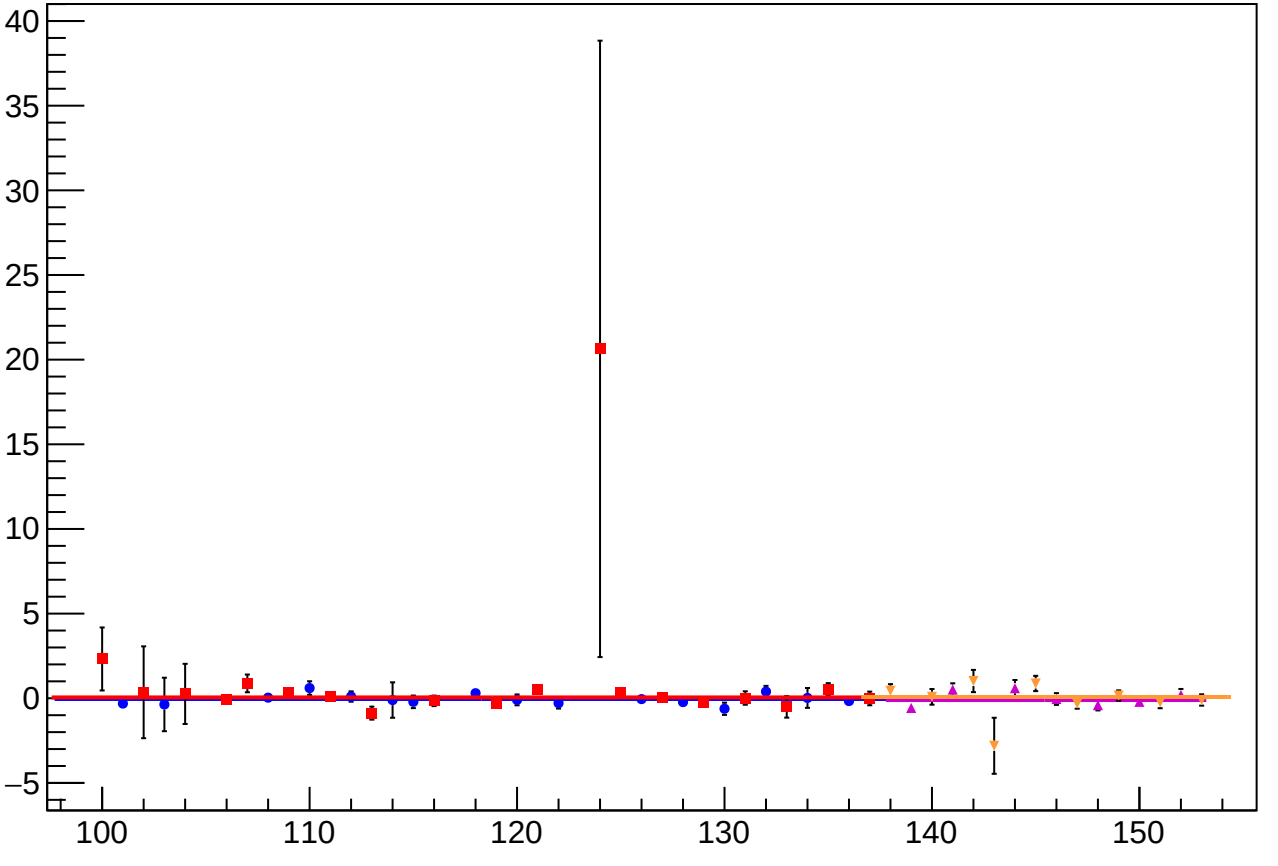
Right: 0.012+/-0.000 χ^2/NDF: 3997435.7/34

In: 0.008+/-0.000 χ^2/NDF:6874312.1/22

Out: 0.008+/-0.000 χ^2/NDF:6054560.1/27

All: 0.008+/-0.000 χ^2/NDF: 12928957.7/50

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: 0.075+/-0.132 χ^2/NDF:11.9/8

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.104+/-0.126 χ^2/NDF:9.7/6

Left: -0.019+/-0.091 χ^2/NDF: 22.5/15

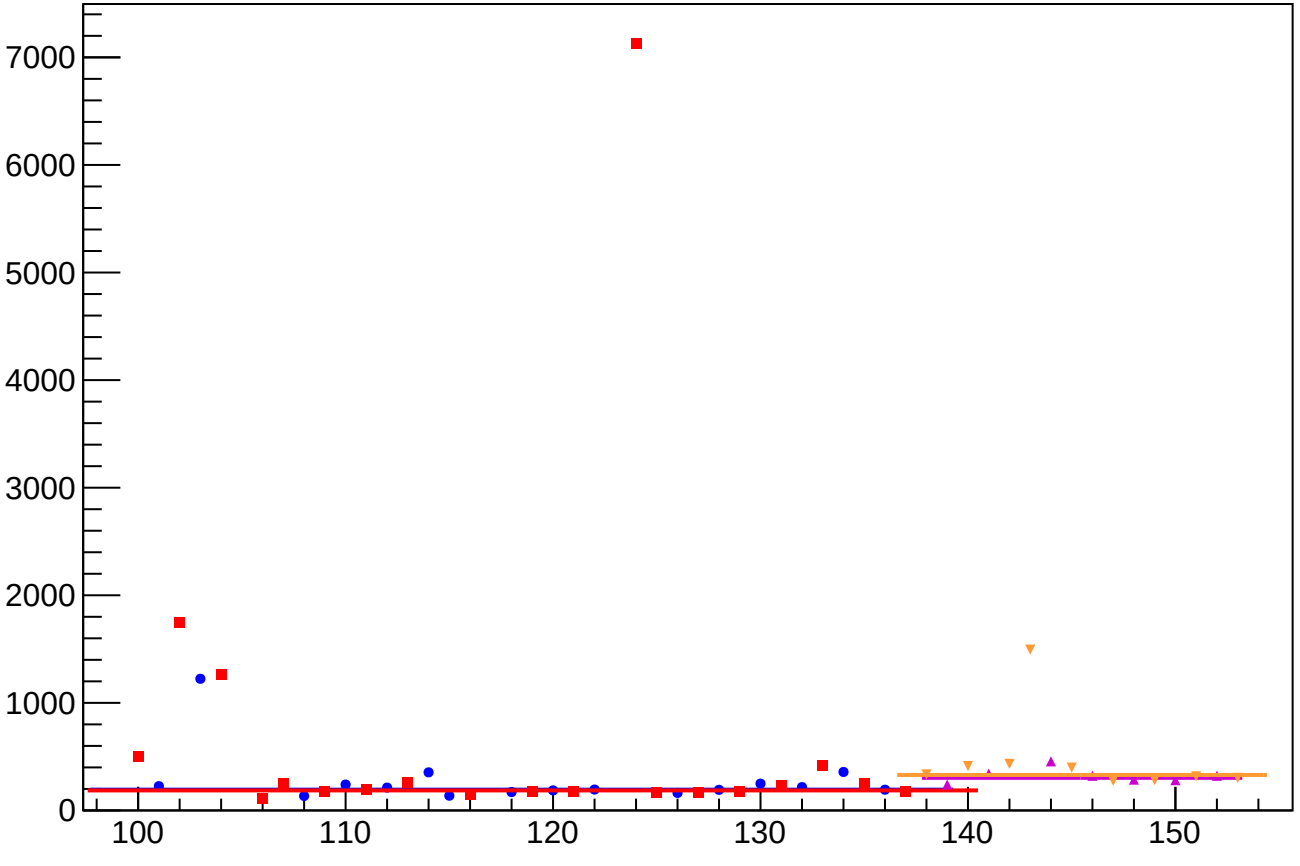
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.059+/-0.066 χ^2/NDF:21.6/22

Out: 0.056+/-0.068 χ^2/NDF:34.9/27

All: -0.003+/-0.047 χ^2/NDF: 58.0/50

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: 329.775+/-0.094 χ^2/NDF:1277665.4/8

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 303.301+/-0.089 χ^2/NDF:354877.6/6

Left: 315.896+/-0.064 χ^2/NDF: 1674567.6/15

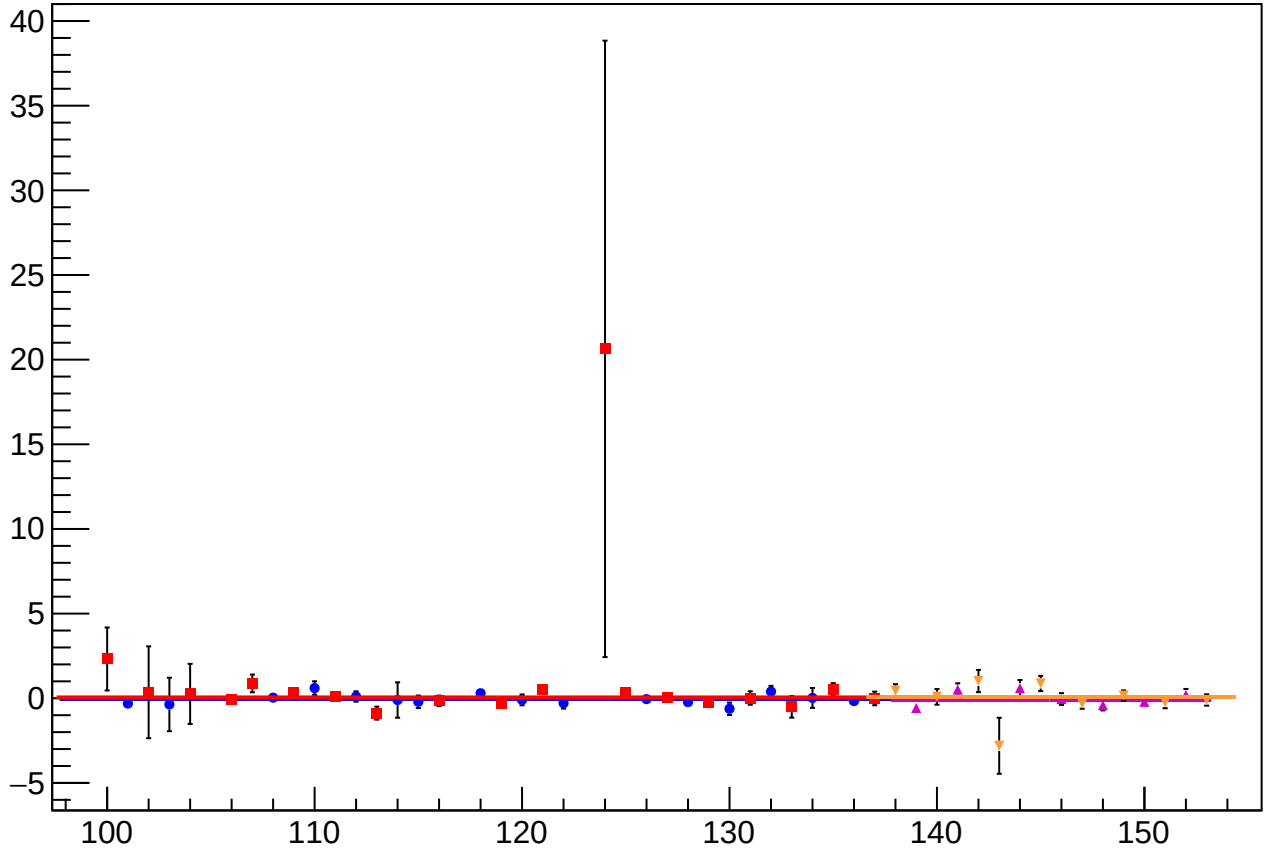
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 223.610+/-0.047 χ^2/NDF:2868706.5/22

Out: 223.947+/-0.048 χ^2/NDF:5492484.0/27

All: 223.774+/-0.033 χ^2/NDF: 8361215.8/50

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: 0.075+/-0.132 χ^2/NDF:11.9/8

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.104+/-0.126 χ^2/NDF:9.7/6

Left: -0.019+/-0.091 χ^2/NDF: 22.5/15

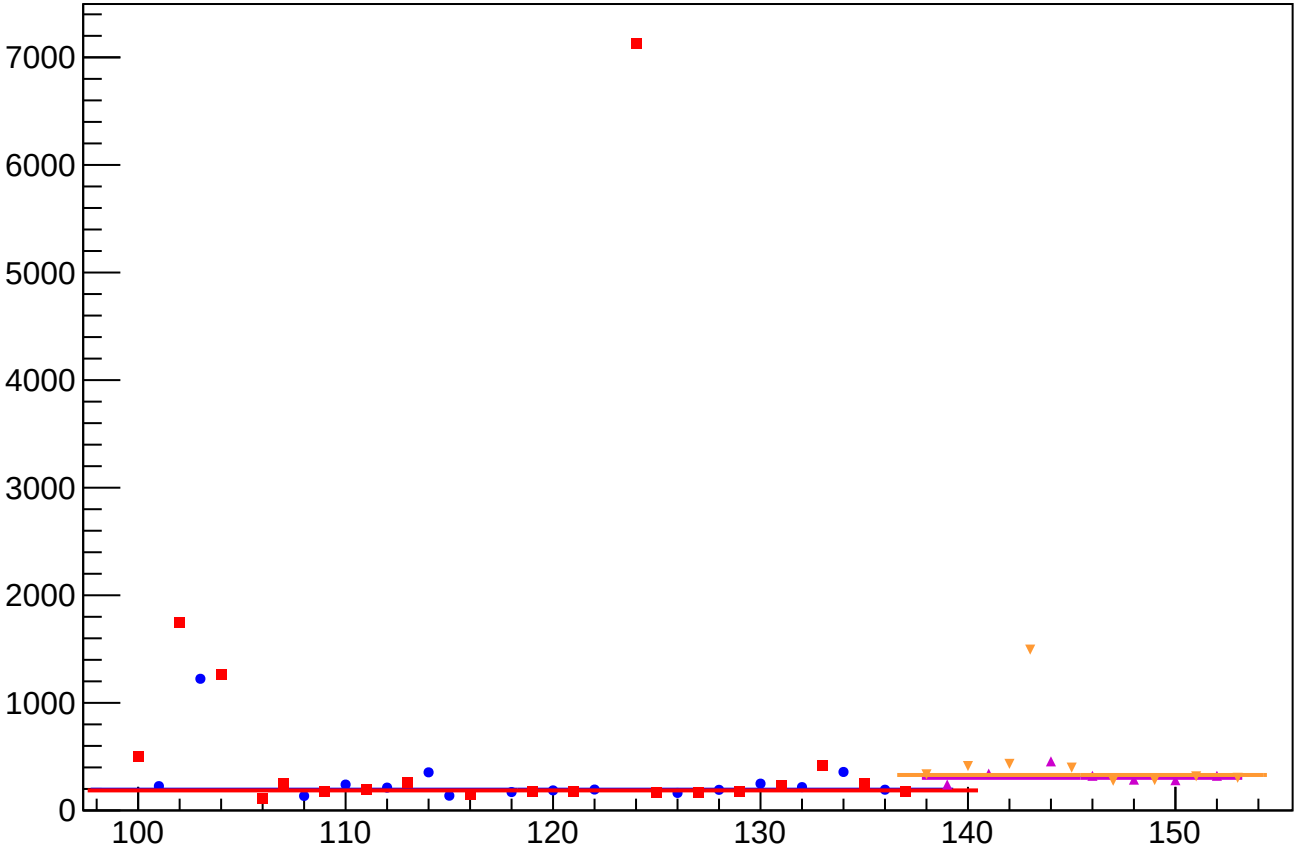
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.059+/-0.066 χ^2/NDF:21.6/22

Out: 0.056+/-0.068 χ^2/NDF:34.9/27

All: -0.003+/-0.047 χ^2/NDF: 58.0/50

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: 329.775+/-0.094 χ^2/NDF:1277665.4/8

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 303.301+/-0.089 χ^2/NDF:354877.6/6

Left: 315.896+/-0.064 χ^2/NDF: 1674567.6/15

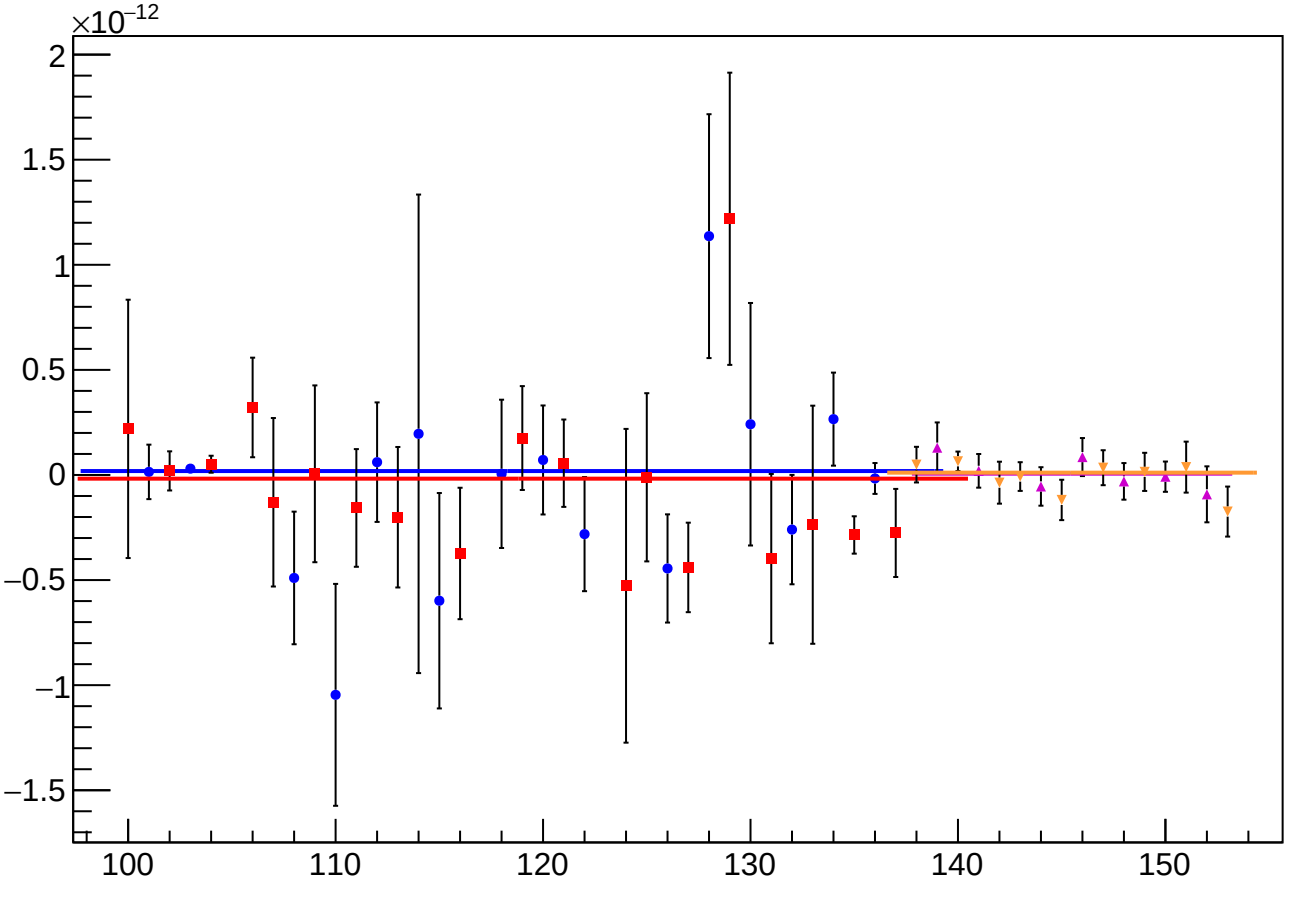
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 223.610+/-0.047 χ^2/NDF:2868706.5/22

Out: 223.947+/-0.048 χ^2/NDF:5492484.0/27

All: 223.774+/-0.033 χ^2/NDF: 8361215.8/50

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.2/8

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: 0.000+/-0.000 χ^2/NDF:3.1/6

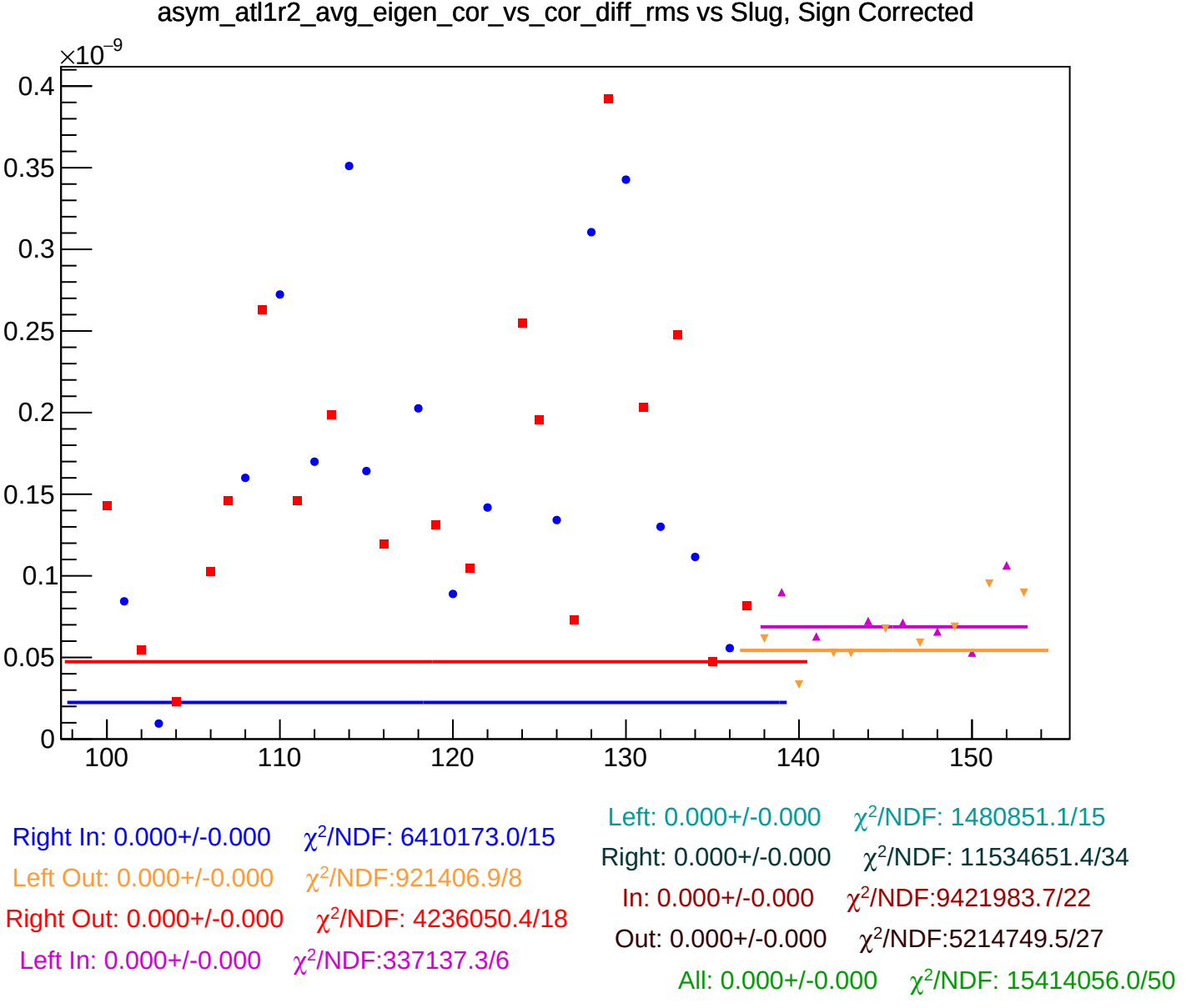
Left: 0.000+/-0.000 χ^2/NDF: 9.3/15

Right: 0.000+/-0.000 χ^2/NDF: 47.5/34

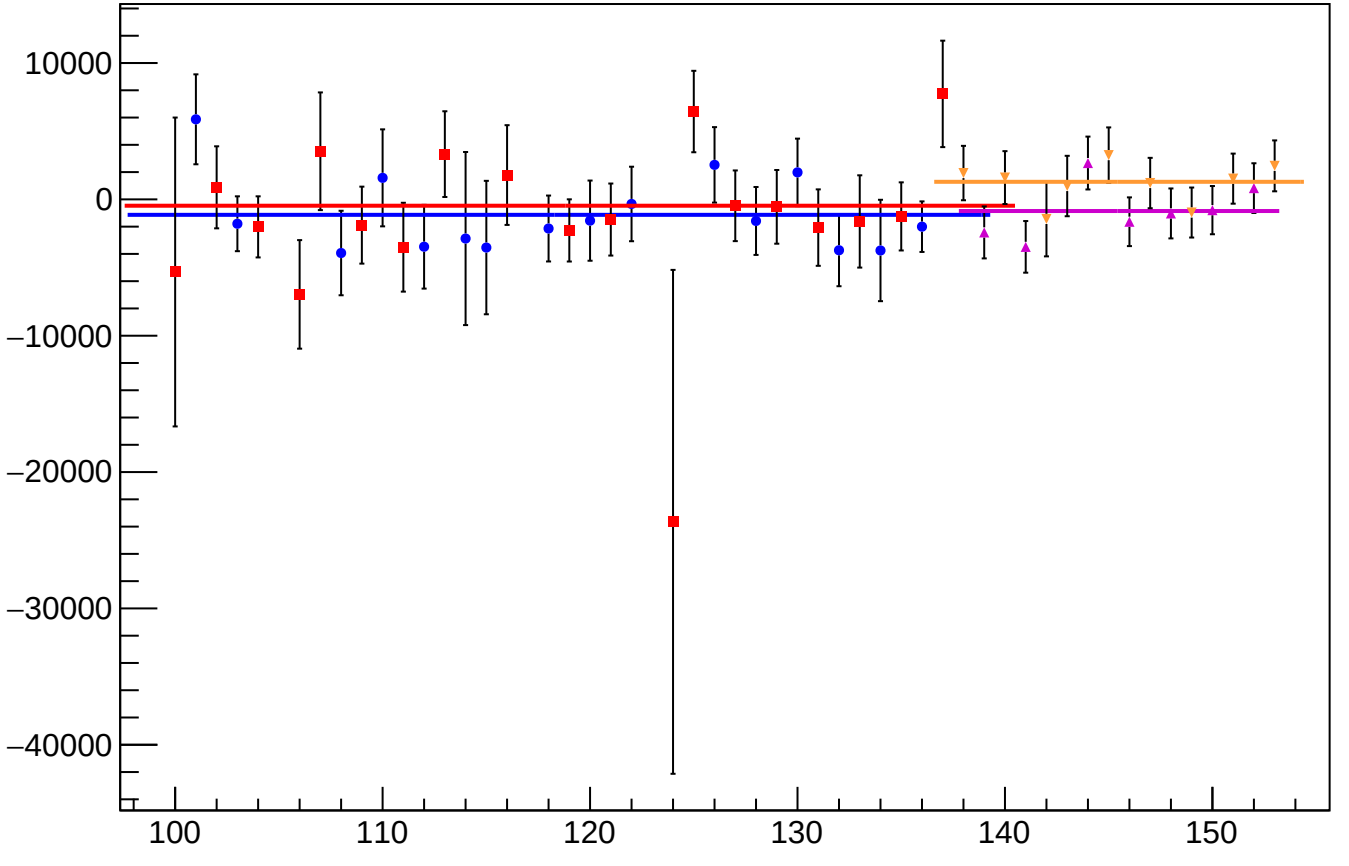
In: 0.000+/-0.000 χ^2/NDF:22.6/22

Out: -0.000+/-0.000 χ^2/NDF:33.9/27

All: 0.000+/-0.000 χ^2/NDF: 56.8/50


asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 6410173.0/15
Left Out: 0.000+/-0.000 χ²/NDF:921406.9/8
Right Out: 0.000+/-0.000 χ²/NDF: 4236050.4/18
Left In: 0.000+/-0.000 χ²/NDF:337137.3/6
Left: 0.000+/-0.000 χ²/NDF: 1480851.1/15
Right: 0.000+/-0.000 χ²/NDF: 11534651.4/34
In: 0.000+/-0.000 χ²/NDF:9421983.7/22
Out: 0.000+/-0.000 χ²/NDF:5214749.5/27
All: 0.000+/-0.000 χ²/NDF: 15414056.0/50

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1288.210+/-663.763 χ^2/NDF:4.0/8

Right Out: -465.519+/-705.926 χ^2/NDF: 20.0/18

Left In: -854.691+/-698.014 χ^2/NDF:7.0/6

Left: 270.624+/-481.004 χ^2/NDF: 15.9/15

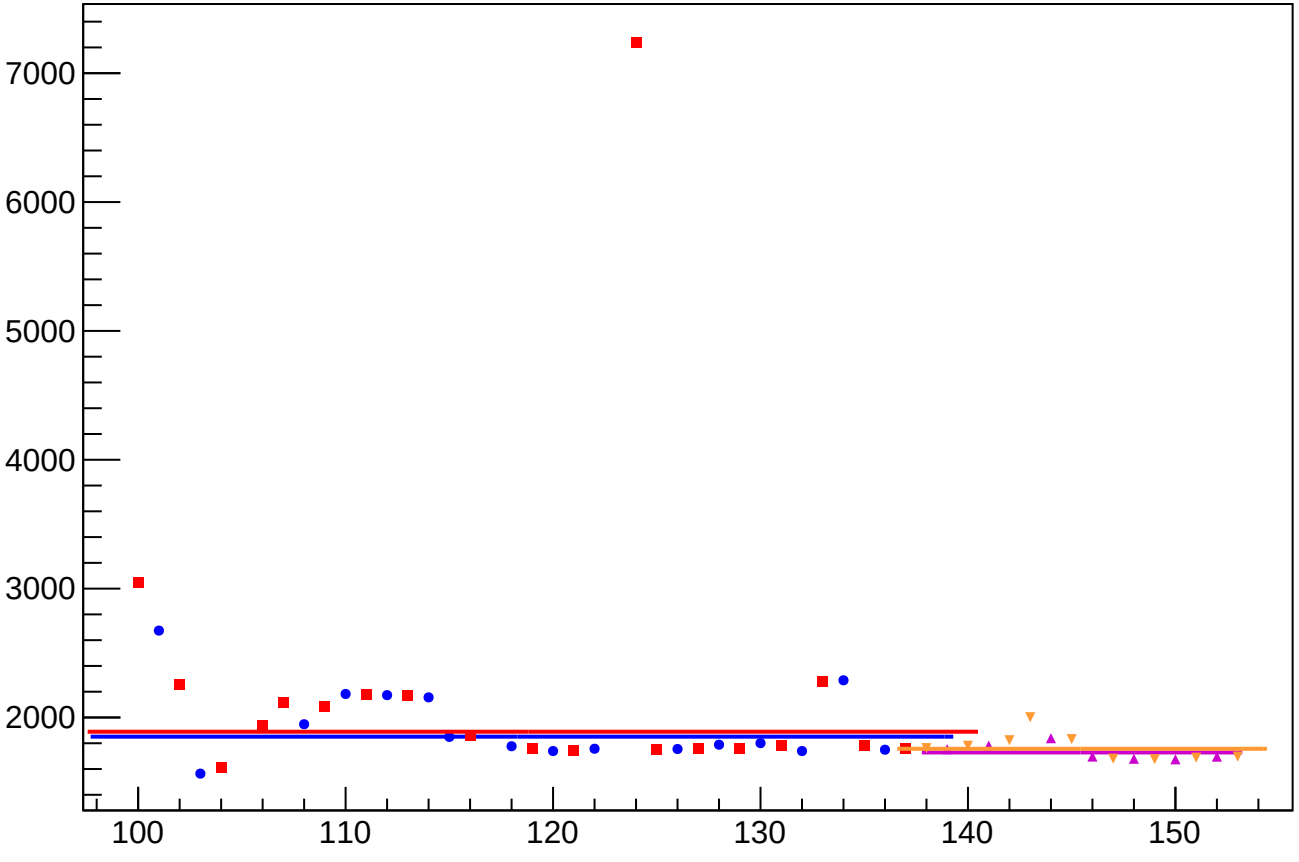
Right: -805.879+/-494.815 χ^2/NDF: 32.7/34

In: -995.512+/-492.067 χ^2/NDF:19.3/22

Out: 465.280+/-483.570 χ^2/NDF:27.3/27

All: -252.394+/-344.901 χ^2/NDF: 51.0/50

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1757.020+/-0.469 χ^2/NDF:40787.2/8

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

Left In: 1728.617+/-0.494 χ^2/NDF:12935.8/6

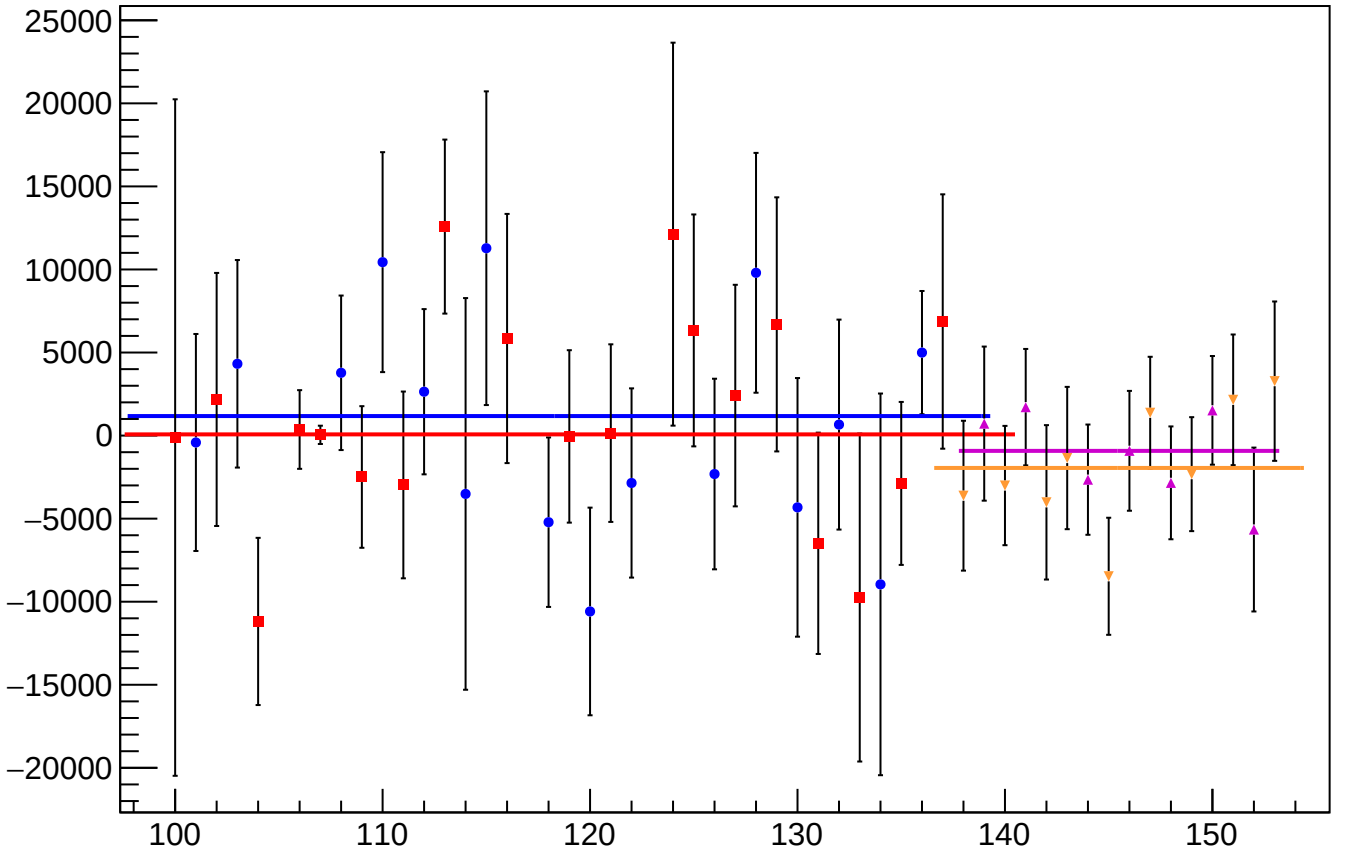
Left: 1743.533+/-0.340 χ^2/NDF: 55462.0/15

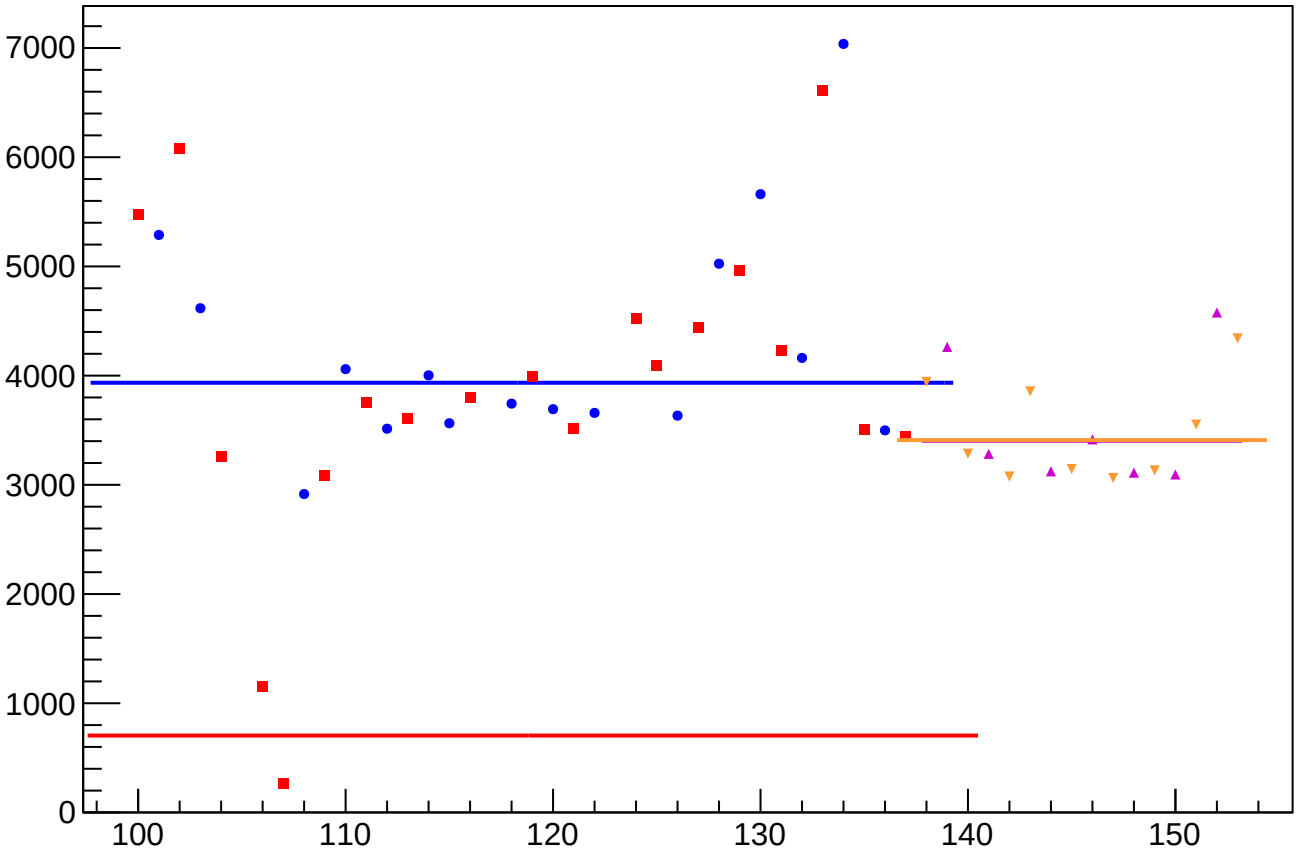
Right: 1870.040+/-0.349 χ^2/NDF: 621901.2/34

In: 1790.246+/-0.348 χ^2/NDF:303910.9/22

Out: 1819.352+/-0.342 χ^2/NDF:437182.9/27

All: 1805.068+/-0.244 χ^2/NDF: 744657.3/50


asym_atl1r2_dd_reg_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: 1175.430+/-1502.128 χ²/NDF: 13.7/15
Left Out: -1947.735+/-1302.768 χ²/NDF:7.1/8
Right Out: 72.681+/-505.693 χ²/NDF: 17.9/18
Left In: -920.543+/-1390.996 χ²/NDF:2.8/6
Left: -1467.746+/-950.858 χ²/NDF: 10.2/15
Right: 184.938+/-479.263 χ²/NDF: 32.1/34
In: 47.051+/-1020.612 χ²/NDF:17.5/22
Out: -191.881+/-471.423 χ²/NDF:27.1/27
All: -149.868+/-427.974 χ²/NDF: 44.7/50



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3409.300+/-0.921 χ^2/NDF:185985.8/8

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

Left In: 3403.406+/-0.984 χ^2/NDF:231223.1/6

Left: 3406.546+/-0.672 χ^2/NDF: 417228.0/15

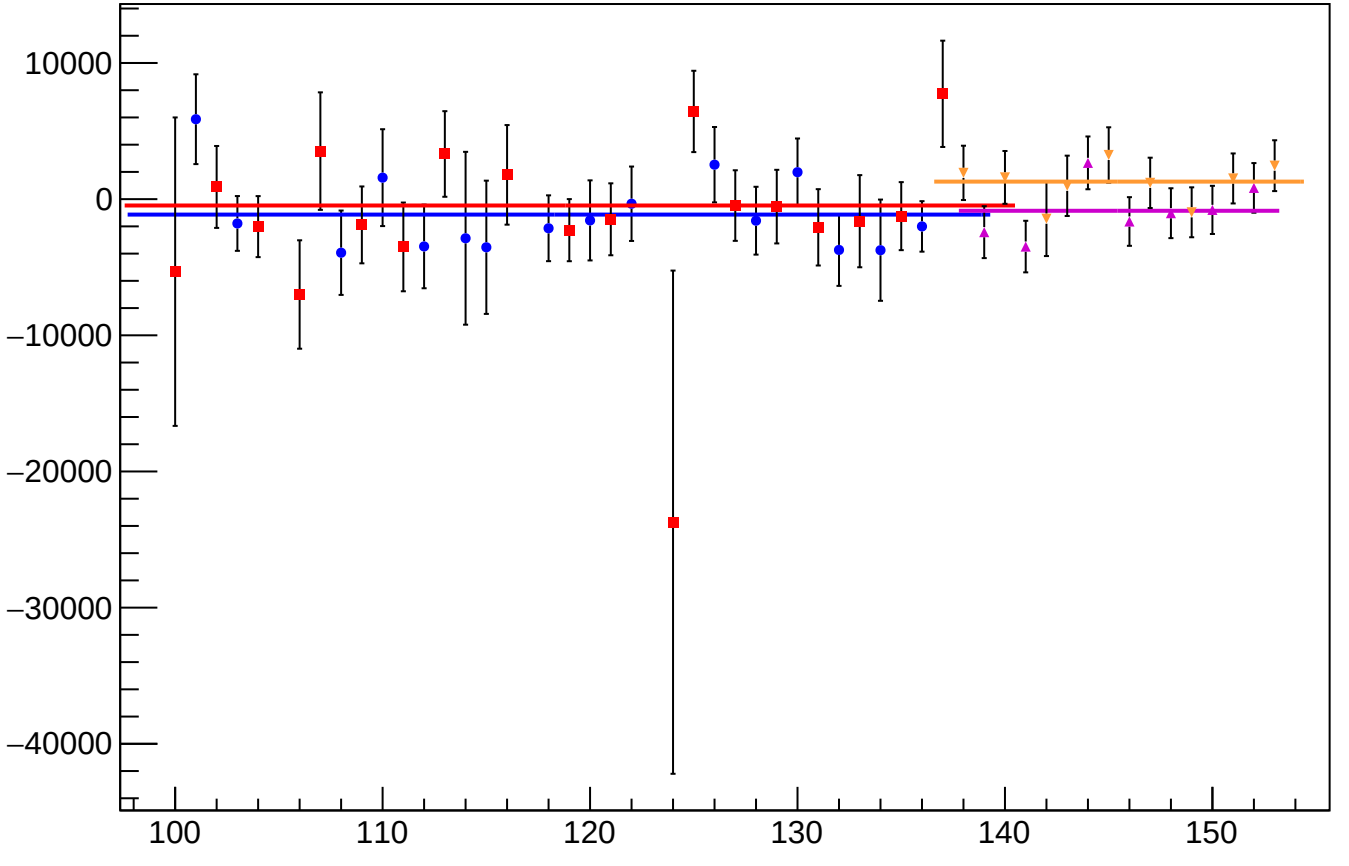
Right: 1033.223+/-0.339 χ^2/NDF: 19486549.2/34

In: 3648.683+/-0.722 χ^2/NDF:926053.8/22

Out: 1058.579+/-0.333 χ^2/NDF:18297532.6/27

All: 1514.018+/-0.303 χ^2/NDF: 29839458.6/5

cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 1288.173+/-663.763 χ^2/NDF:4.0/8

Right Out: -465.899+/-705.928 χ^2/NDF: 20.0/18

Left In: -854.642+/-698.014 χ^2/NDF:7.0/6

Left: 270.627+/-481.004 χ^2/NDF: 15.9/15

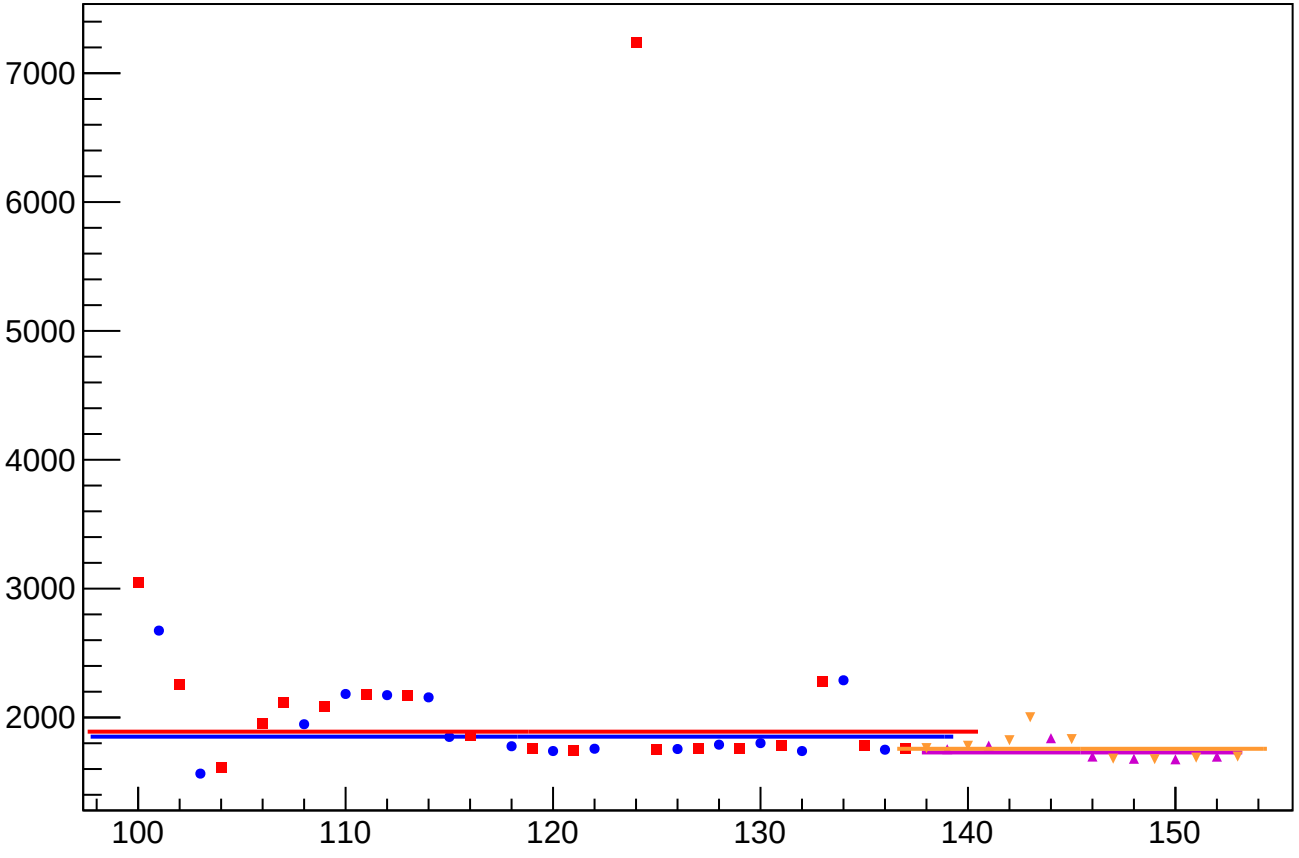
Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -995.273+/-492.067 χ^2/NDF:19.3/22

Out: 465.084+/-483.571 χ^2/NDF:27.3/27

All: -252.377+/-344.901 χ^2/NDF: 51.1/50

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1757.020+/-0.469 χ^2/NDF:40787.2/8

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1728.617+/-0.494 χ^2/NDF:12935.8/6

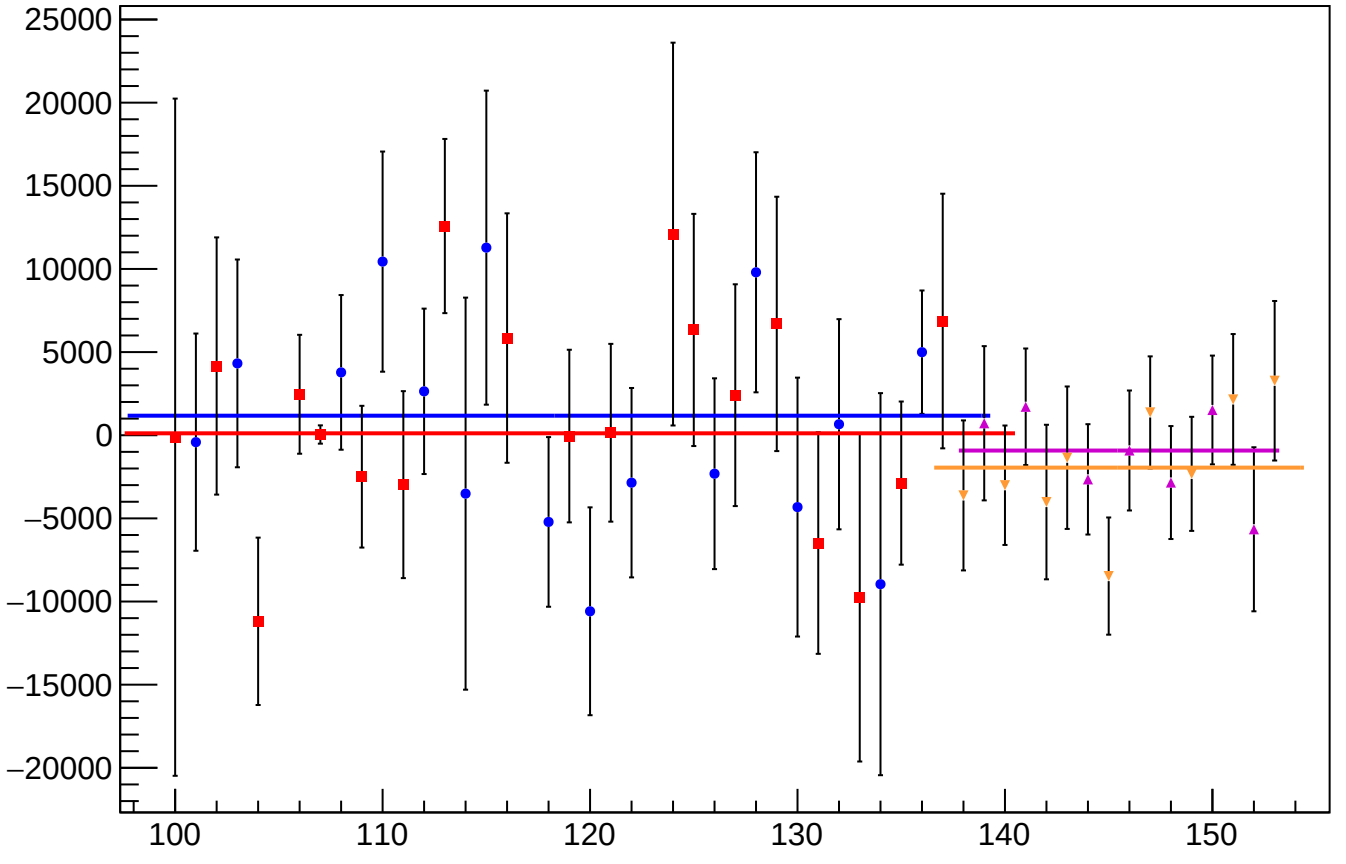
Left: 1743.533+/-0.340 χ^2/NDF: 55462.0/15

Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1790.246+/-0.348 χ^2/NDF:303910.3/22

Out: 1819.553+/-0.342 χ^2/NDF:437653.3/27

All: 1805.169+/-0.244 χ^2/NDF: 745175.9/50



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -1947.805+/-1302.764 χ^2/NDF:7.1/8

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -920.552+/-1390.997 χ^2/NDF:2.8/6

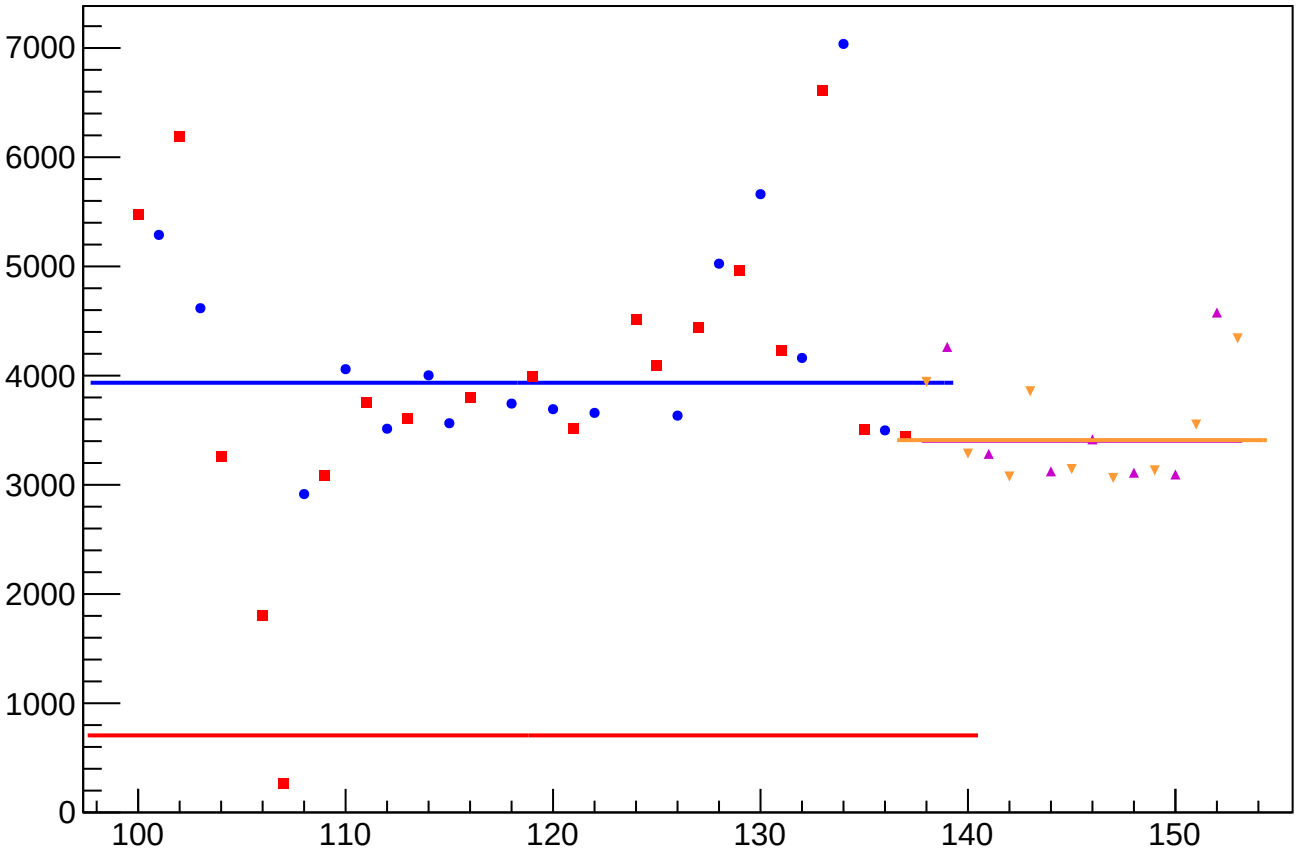
Left: -1467.790+/-950.857 χ^2/NDF: 10.2/15

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 47.032+/-1020.614 χ^2/NDF:17.5/22

Out: -160.463+/-476.753 χ^2/NDF:27.9/27

All: -123.297+/-431.950 χ^2/NDF: 45.4/50



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3409.288+/-0.921 χ^2/NDF:185992.7/8

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3403.409+/-0.984 χ^2/NDF:231222.7/6

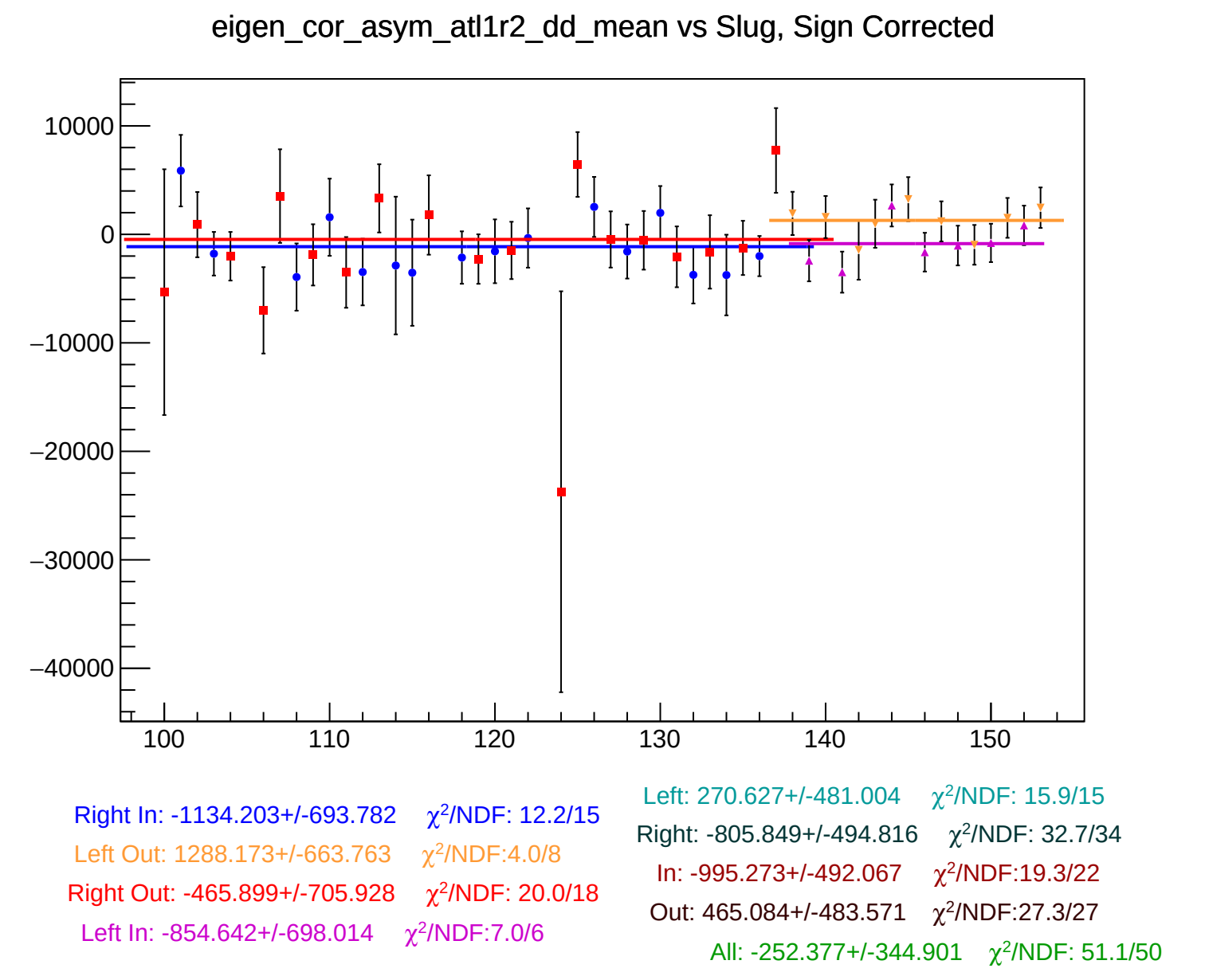
Left: 3406.541+/-0.672 χ^2/NDF: 417234.4/15

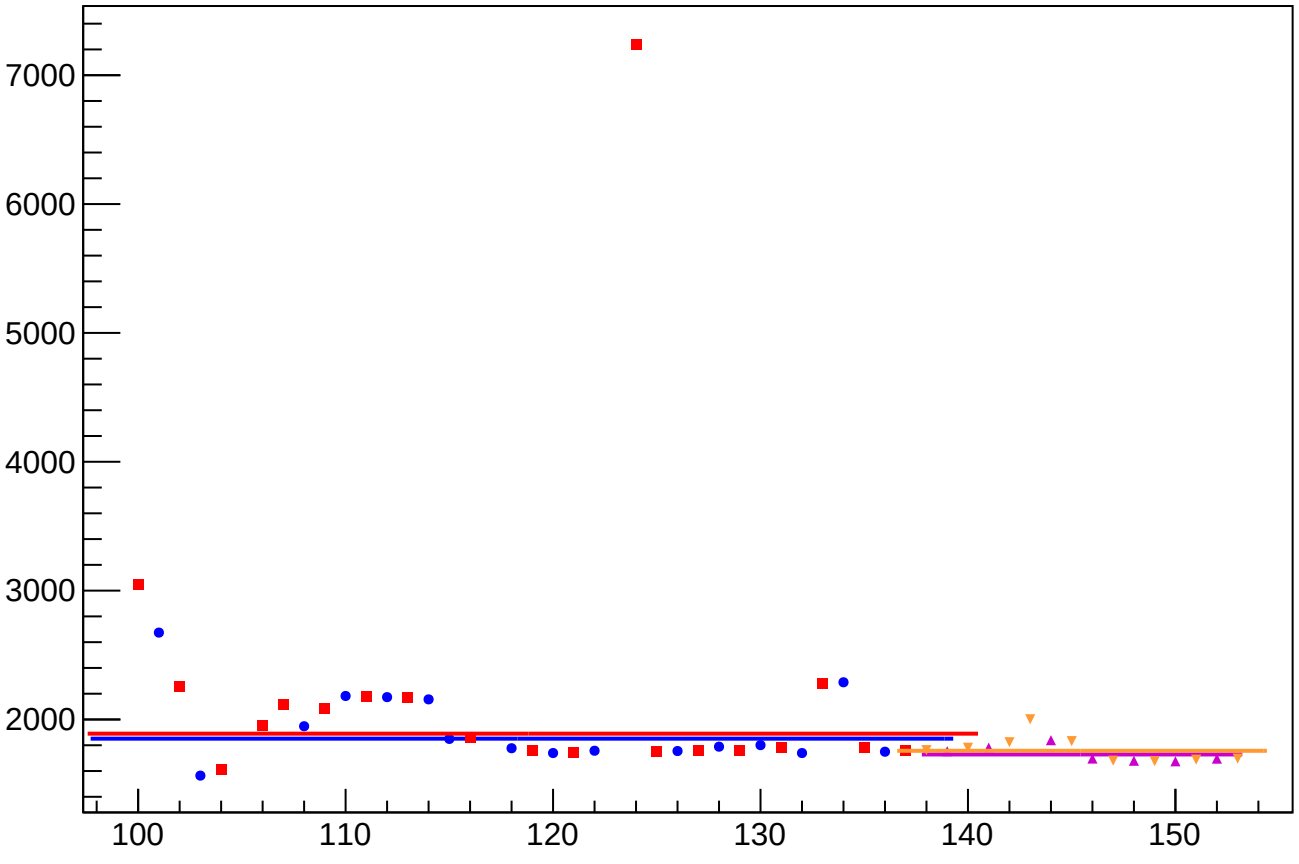
Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3648.688+/-0.722 χ^2/NDF:926080.3/22

Out: 1067.703+/-0.337 χ^2/NDF:18393590.4/27

All: 1530.008+/-0.305 χ^2/NDF: 29818898.8/5


eigen_cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
Right In: -1134.203+/-693.782 χ²/NDF: 12.2/15
Left Out: 1288.173+/-663.763 χ²/NDF:4.0/8
Right Out: -465.899+/-705.928 χ²/NDF: 20.0/18
Left In: -854.642+/-698.014 χ²/NDF:7.0/6
Left: 270.627+/-481.004 χ²/NDF: 15.9/15
Right: -805.849+/-494.816 χ²/NDF: 32.7/34
In: -995.273+/-492.067 χ²/NDF:19.3/22
Out: 465.084+/-483.571 χ²/NDF:27.3/27
All: -252.377+/-344.901 χ²/NDF: 51.1/50



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1757.020+/-0.469 χ^2/NDF:40787.2/8

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1728.617+/-0.494 χ^2/NDF:12935.8/6

Left: 1743.533+/-0.340 χ^2/NDF: 55462.0/15

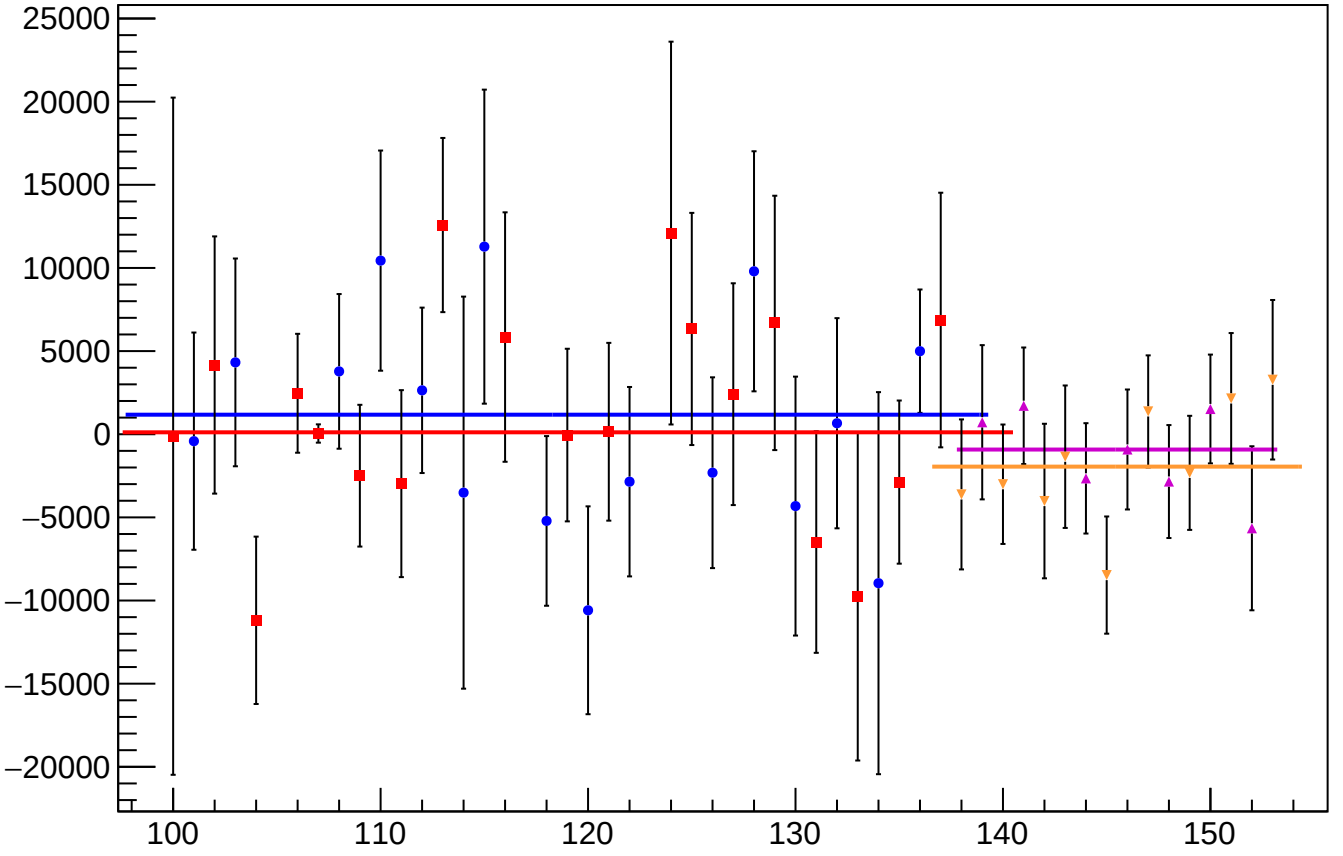
Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1790.246+/-0.348 χ^2/NDF:303910.3/22

Out: 1819.553+/-0.342 χ^2/NDF:437653.3/27

All: 1805.169+/-0.244 χ^2/NDF: 745175.9/50

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: -1947.805+/-1302.764 χ^2/NDF:7.1/8

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -920.552+/-1390.997 χ^2/NDF:2.8/6

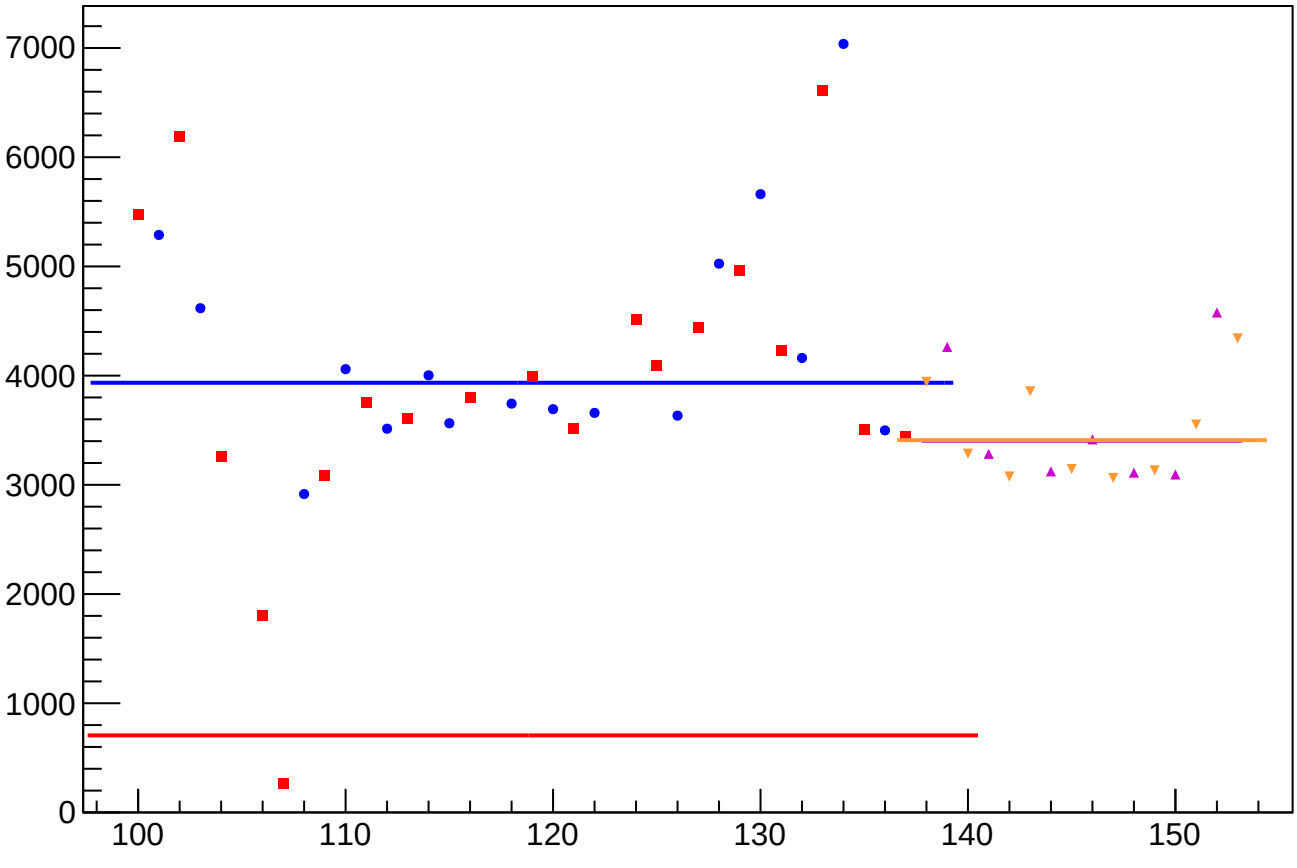
Left: -1467.790+/-950.857 χ^2/NDF: 10.2/15

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 47.032+/-1020.614 χ^2/NDF:17.5/22

Out: -160.463+/-476.753 χ^2/NDF:27.9/27

All: -123.297+/-431.950 χ^2/NDF: 45.4/50



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3409.288+/-0.921 χ^2/NDF:185992.7/8

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3403.409+/-0.984 χ^2/NDF:231222.7/6

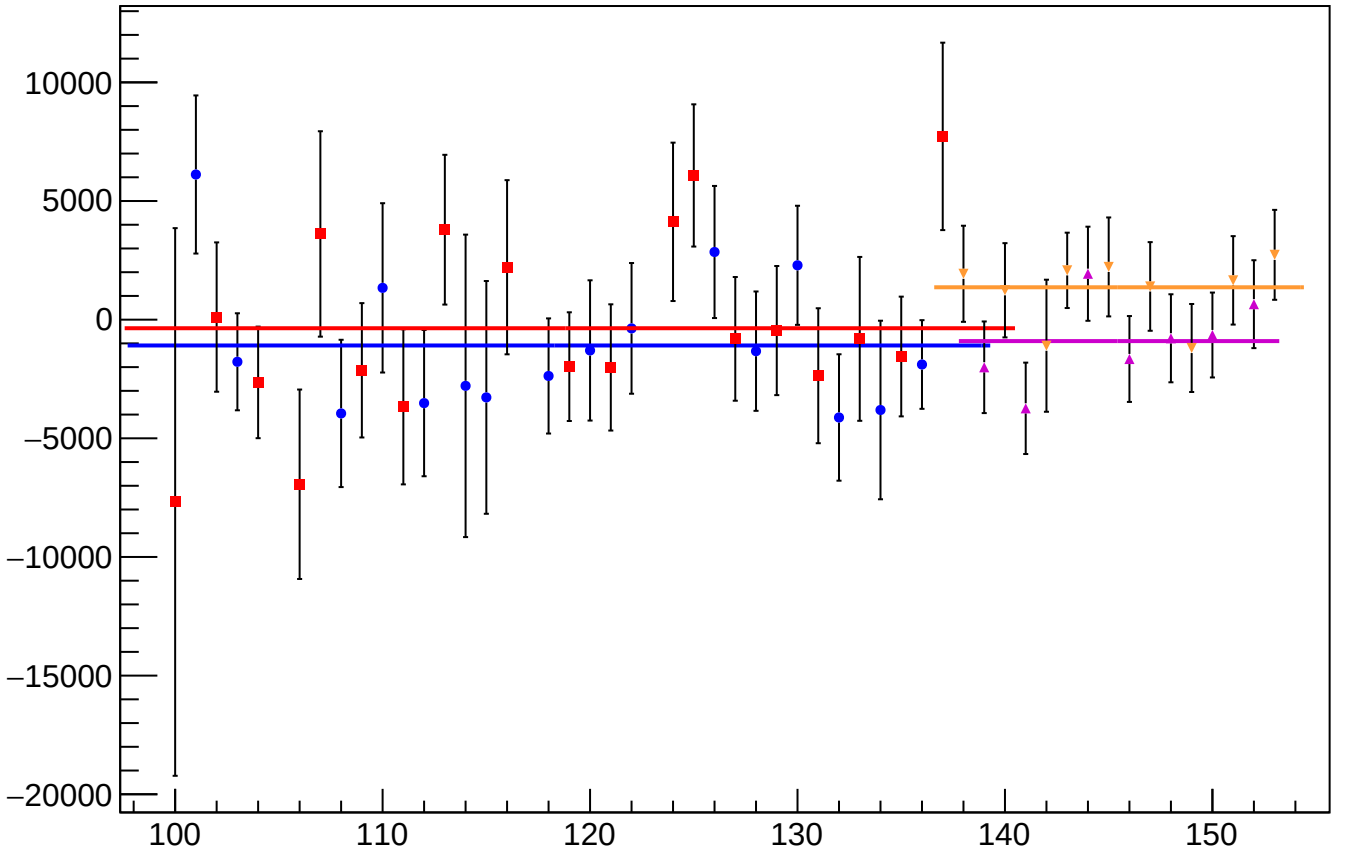
Left: 3406.541+/-0.672 χ^2/NDF: 417234.4/15

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3648.688+/-0.722 χ^2/NDF:926080.3/22

Out: 1067.703+/-0.337 χ^2/NDF:18393590.4/27

All: 1530.008+/-0.305 χ^2/NDF: 29818898.8/5



Right In: -1087.731+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1364.475+/-645.867 χ^2/NDF:3.7/8

Right Out: -361.218+/-699.665 χ^2/NDF: 20.8/18

Left In: -903.163+/-708.462 χ^2/NDF:5.4/6

Left: 335.239+/-477.295 χ^2/NDF: 14.7/15

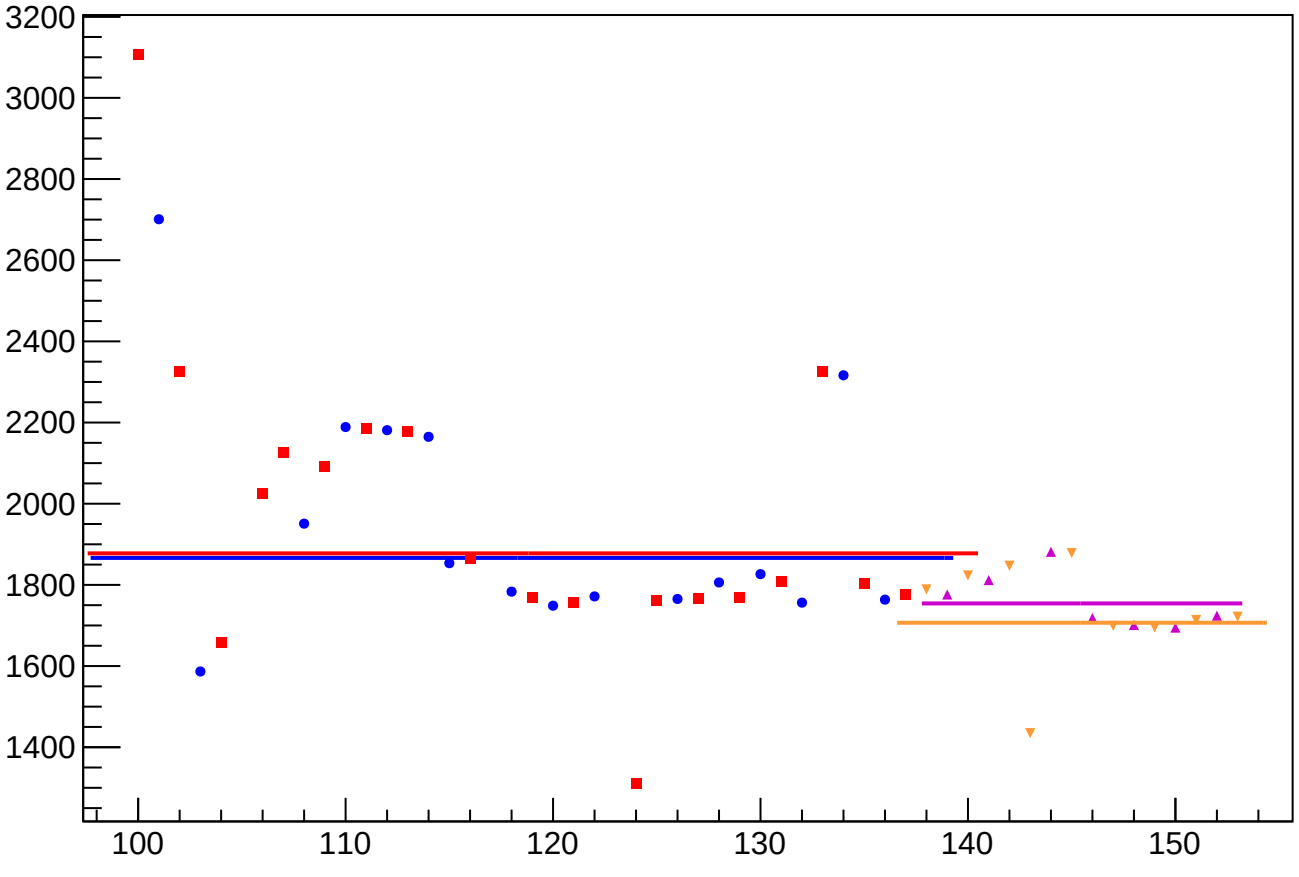
Right: -724.519+/-494.707 χ^2/NDF: 34.5/34

In: -996.612+/-497.788 χ^2/NDF:18.7/22

Out: 570.516+/-474.578 χ^2/NDF:27.8/27

All: -175.662+/-343.489 χ^2/NDF: 51.6/50

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1706.681+/-0.457 χ^2/NDF:87852.3/8

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

Left In: 1754.284+/-0.501 χ^2/NDF:15447.2/6

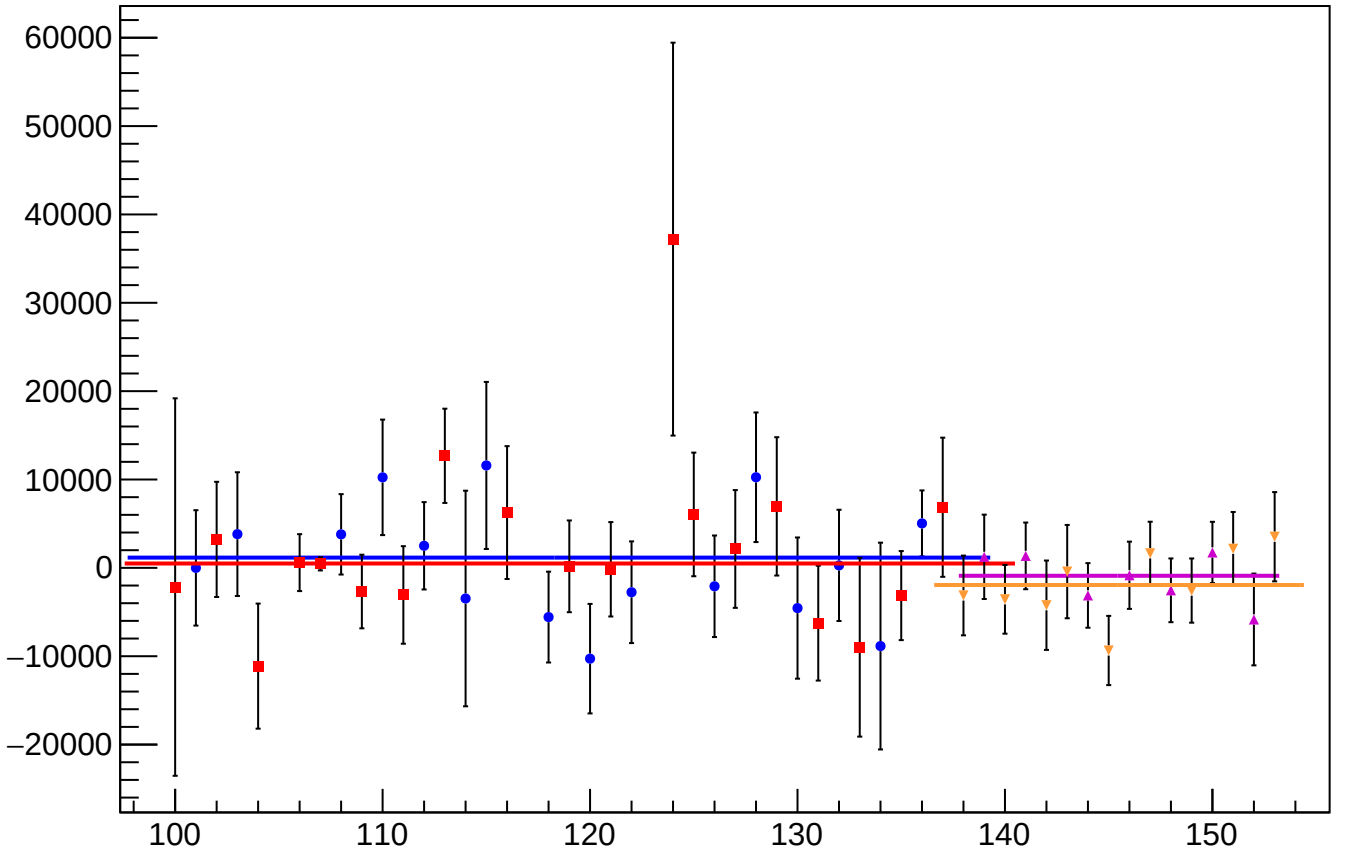
Left: 1728.287+/-0.337 χ^2/NDF: 108230.7/15

Right: 1872.061+/-0.350 χ^2/NDF: 508369.5/34

In: 1811.078+/-0.352 χ^2/NDF:297094.6/22

Out: 1785.415+/-0.335 χ^2/NDF:404245.2/27

All: 1797.629+/-0.243 χ^2/NDF: 704125.3/50



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -1940.122+/-1405.611 χ^2/NDF:7.3/8

Right Out: 492.907+/-658.510 χ^2/NDF: 16.9/18

Left In: -896.041+/-1482.317 χ^2/NDF:2.6/6

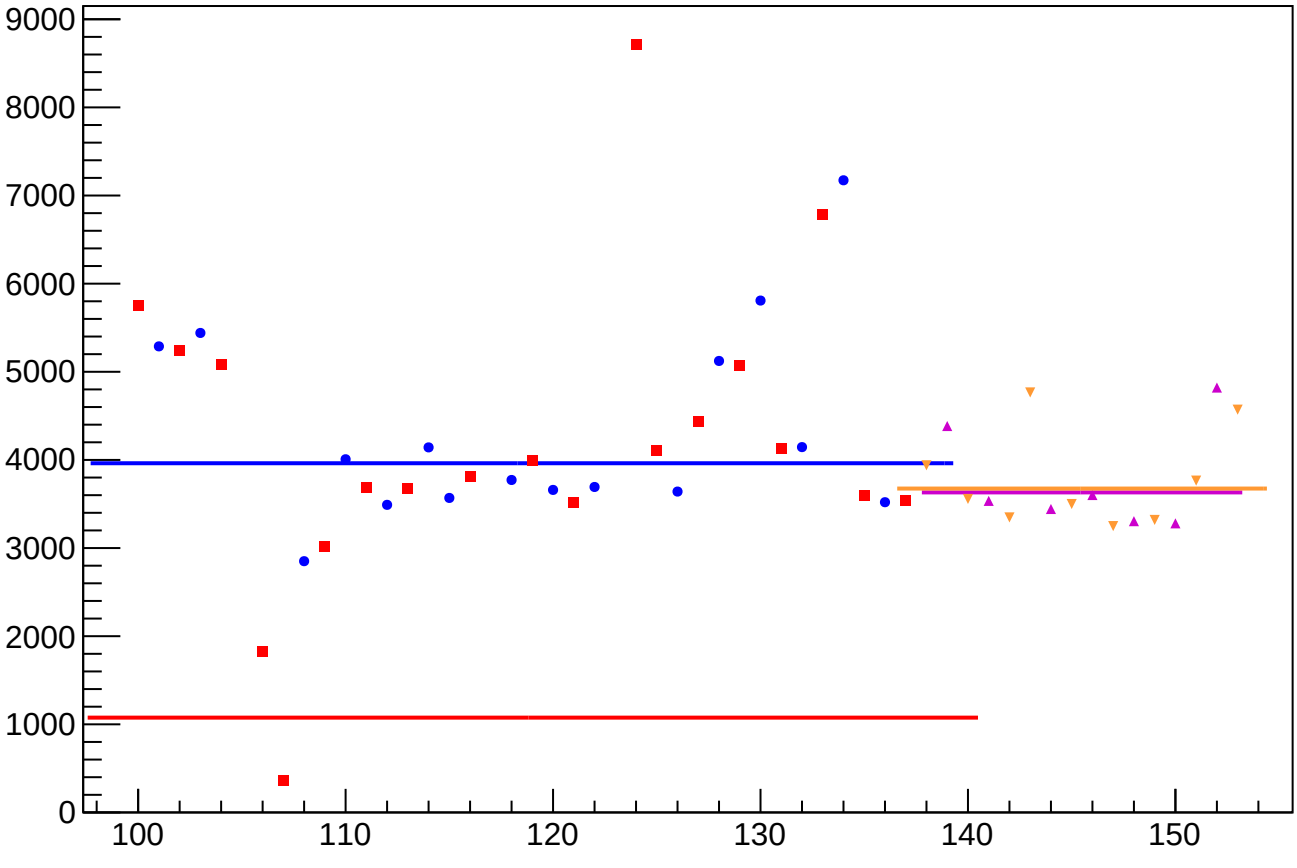
Left: -1445.794+/-1019.957 χ^2/NDF: 10.2/15

Right: 599.419+/-603.751 χ^2/NDF: 30.8/34

In: 111.998+/-1058.572 χ^2/NDF:17.2/22

Out: 55.015+/-596.314 χ^2/NDF:26.7/27

All: 68.741+/-519.551 χ^2/NDF: 43.9/50



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 3675.175+/-0.994 χ^2/NDF:217705.0/8

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

Left In: 3631.460+/-1.048 χ^2/NDF:198261.4/6

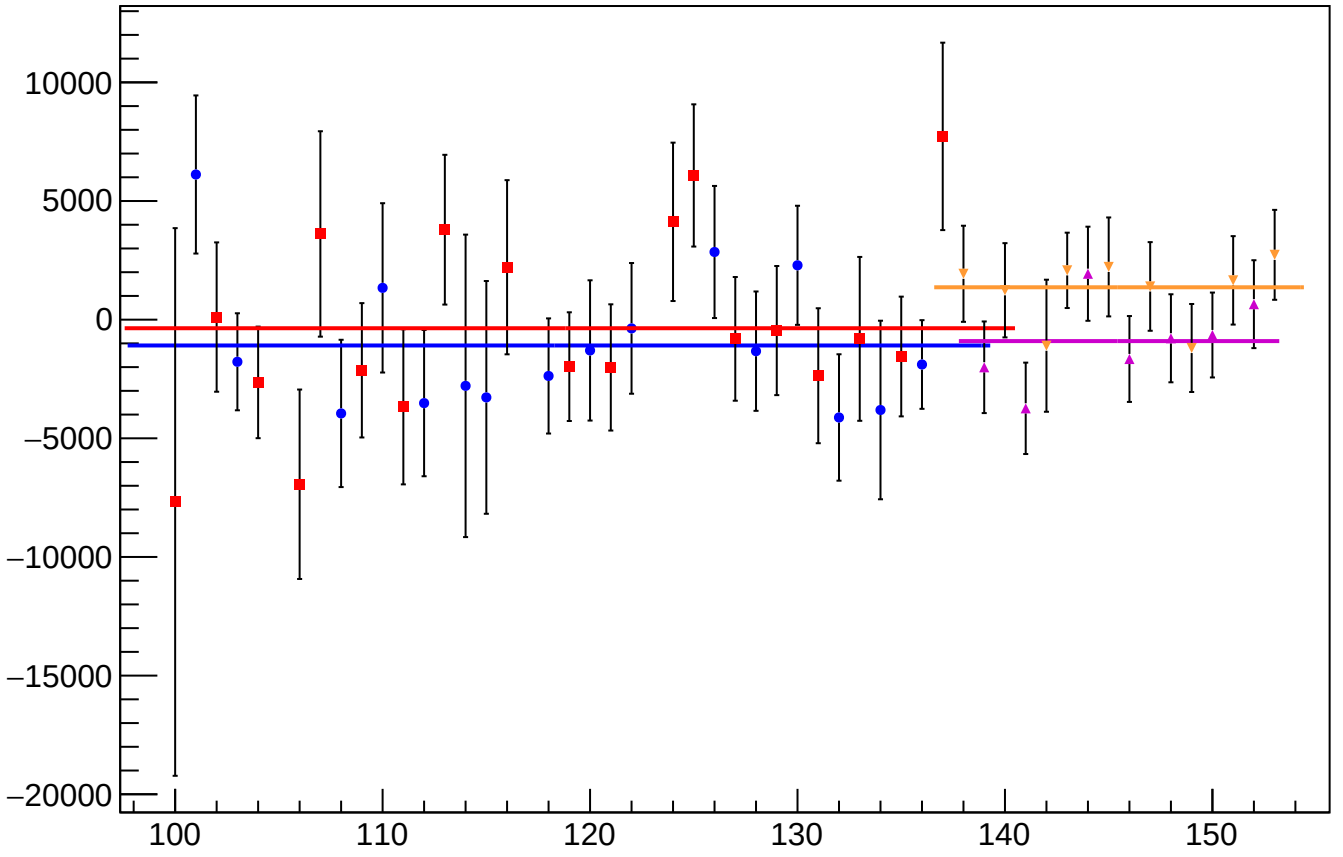
Left: 3654.478+/-0.721 χ^2/NDF: 416882.3/15

Right: 1536.045+/-0.427 χ^2/NDF: 16351680.6/34

In: 3793.609+/-0.749 χ^2/NDF:915440.4/22

Out: 1543.760+/-0.422 χ^2/NDF:15384106.6/27

All: 2085.722+/-0.367 χ^2/NDF: 23157613.7/5



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

Left Out: 1364.473+/-645.867 χ^2/NDF:3.7/8

Right Out: -361.223+/-699.665 χ^2/NDF: 20.8/18

Left In: -903.160+/-708.462 χ^2/NDF:5.4/6

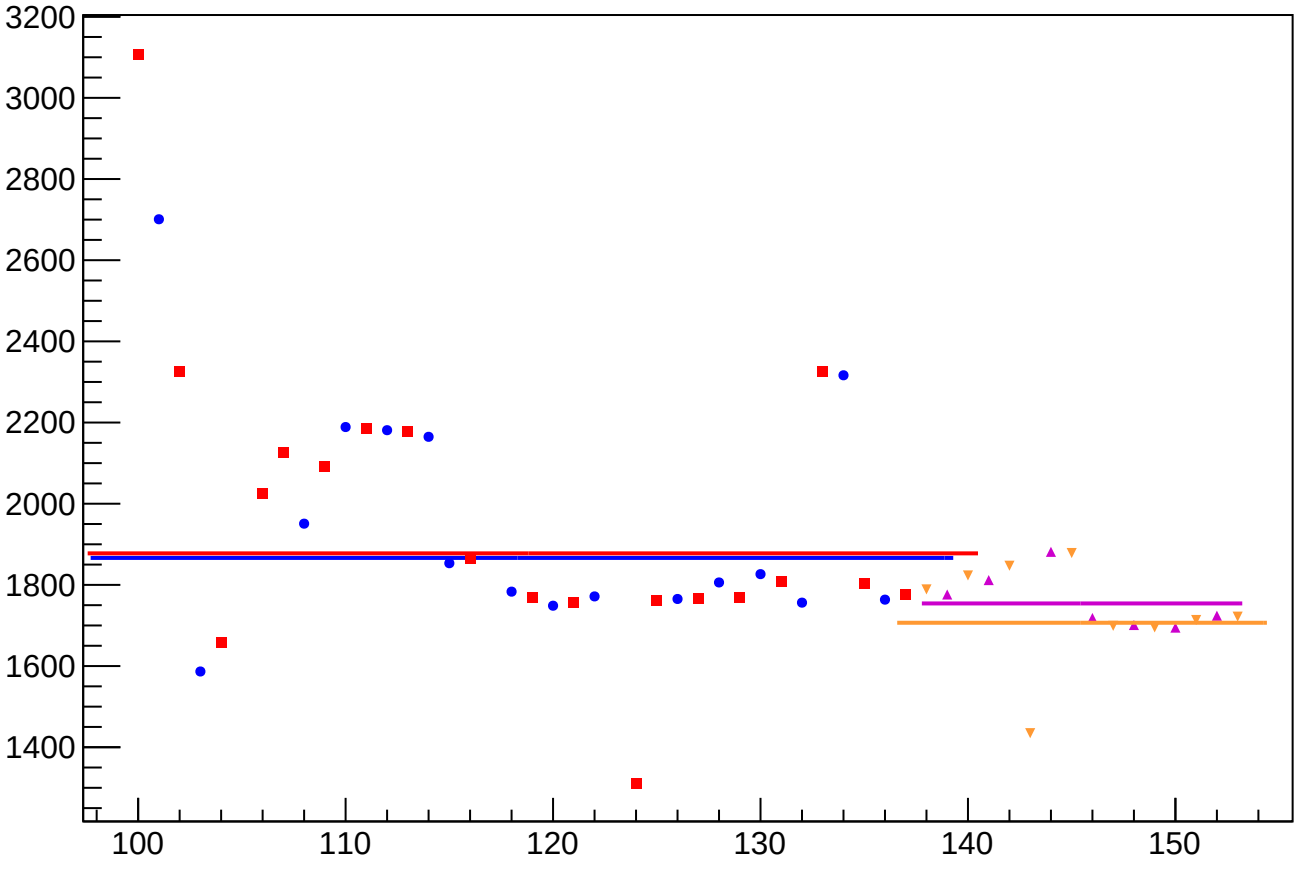
Left: 335.239+/-477.296 χ^2/NDF: 14.7/15

Right: -724.524+/-494.707 χ^2/NDF: 34.5/34

In: -996.612+/-497.788 χ^2/NDF:18.7/22

Out: 570.512+/-474.578 χ^2/NDF:27.8/27

All: -175.665+/-343.490 χ^2/NDF: 51.6/50



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1706.682+/-0.457 χ^2/NDF:87851.4/8

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1754.285+/-0.501 χ^2/NDF:15447.1/6

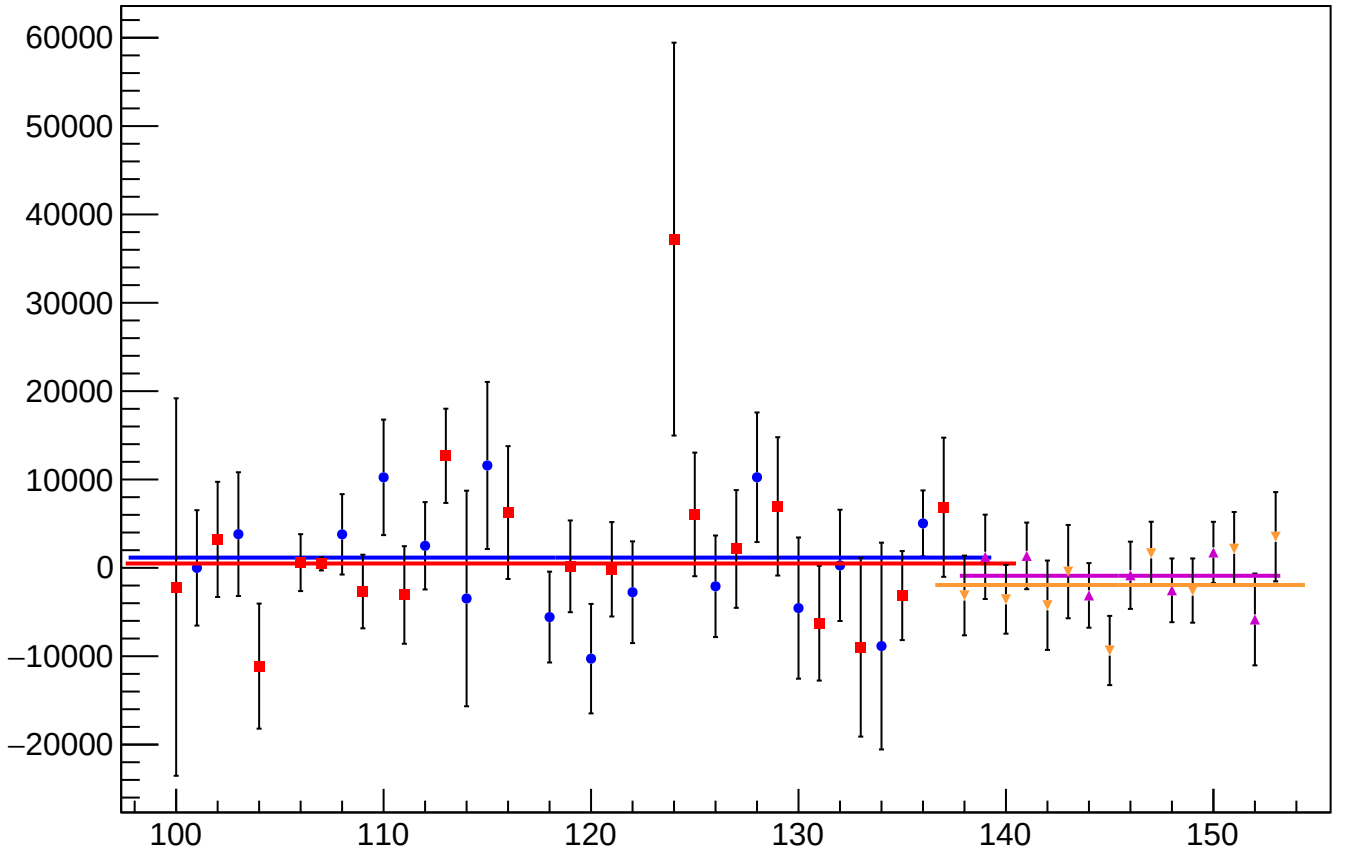
Left: 1728.288+/-0.337 χ^2/NDF: 108229.7/15

Right: 1872.061+/-0.350 χ^2/NDF: 508369.7/34

In: 1811.078+/-0.352 χ^2/NDF:297094.1/22

Out: 1785.415+/-0.335 χ^2/NDF:404243.9/27

All: 1797.630+/-0.243 χ^2/NDF: 704123.5/50



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -1940.124+/-1405.613 χ^2/NDF:7.3/8

Right Out: 492.914+/-658.521 χ^2/NDF: 16.9/18

Left In: -896.038+/-1482.319 χ^2/NDF:2.6/6

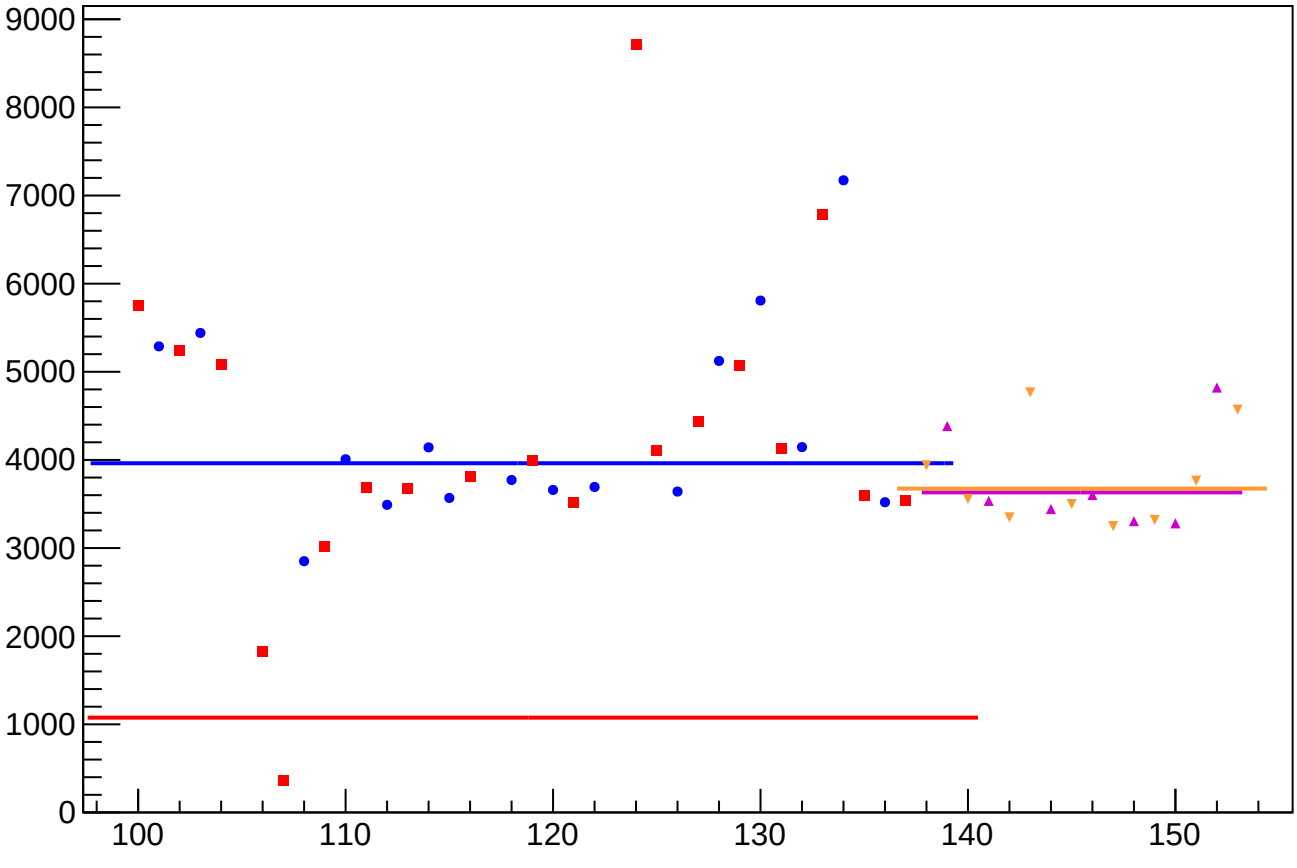
Left: -1445.793+/-1019.958 χ^2/NDF: 10.2/15

Right: 599.426+/-603.759 χ^2/NDF: 30.8/34

In: 111.992+/-1058.572 χ^2/NDF:17.2/22

Out: 55.009+/-596.323 χ^2/NDF:26.7/27

All: 68.736+/-519.556 χ^2/NDF: 43.9/50



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 3675.179+/-0.994 χ^2/NDF:217703.2/8

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

Left In: 3631.465+/-1.048 χ^2/NDF:198260.7/6

Left: 3654.482+/-0.721 χ^2/NDF: 416879.8/15

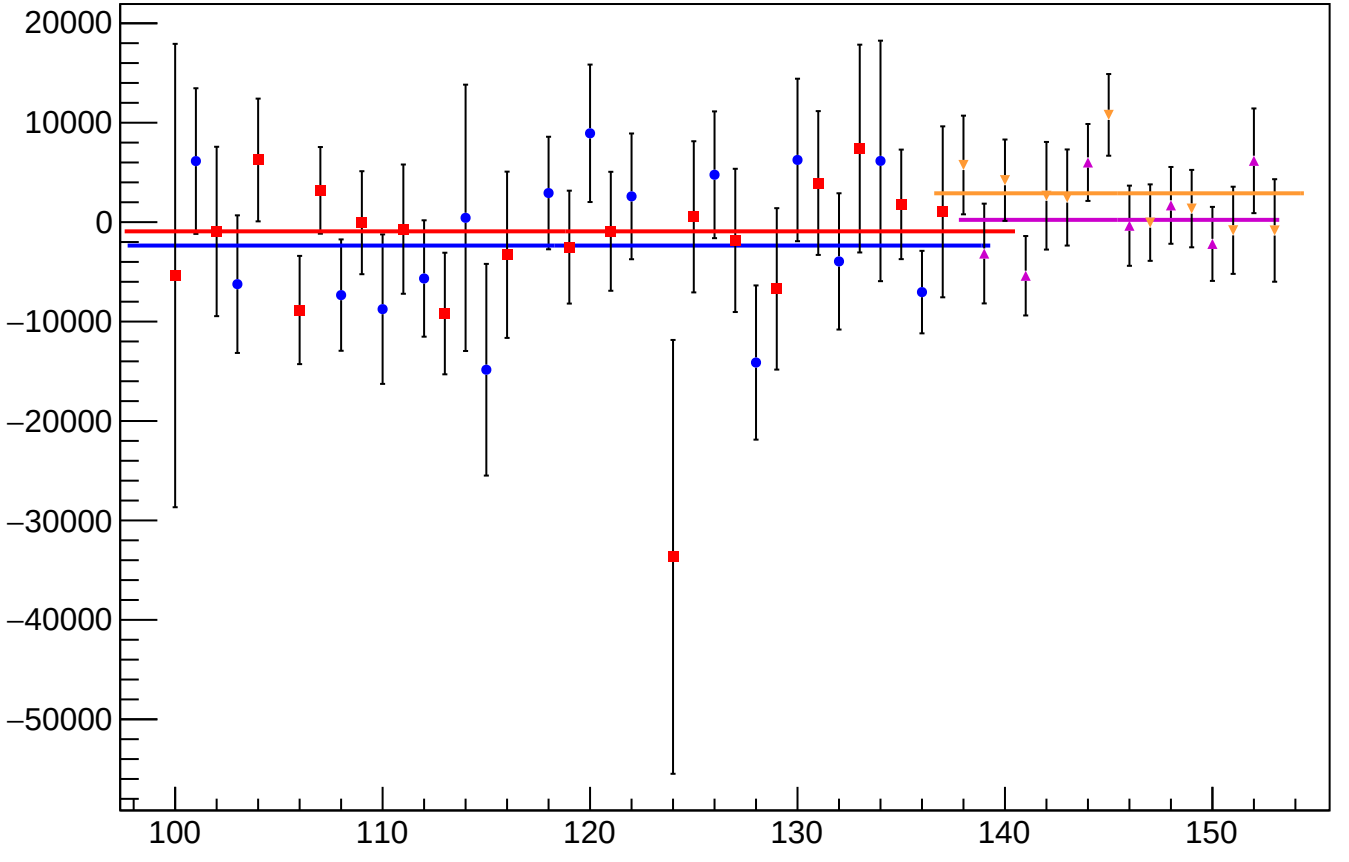
Right: 1536.084+/-0.427 χ^2/NDF: 16351375.7/34

In: 3793.609+/-0.749 χ^2/NDF:915432.8/22

Out: 1543.798+/-0.422 χ^2/NDF:15383817.3/27

All: 2085.762+/-0.367 χ^2/NDF: 23157042.4/5

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 2901.361+/-1474.676 χ^2/NDF:6.1/8

Right Out: -924.896+/-1546.889 χ^2/NDF: 10.6/18

Left In: 230.422+/-1569.355 χ^2/NDF:6.5/6

Left: 1648.886+/-1074.667 χ^2/NDF: 14.2/15

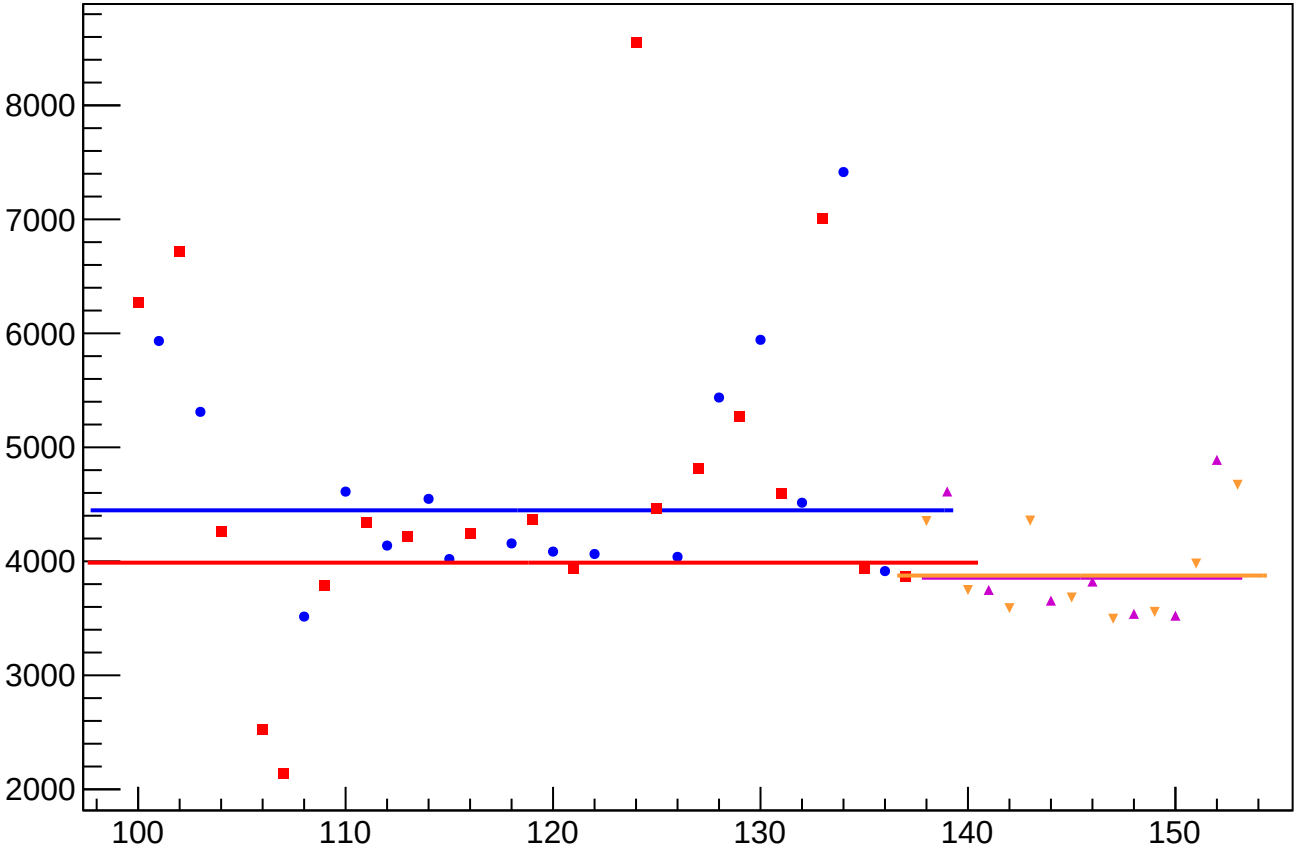
Right: -1578.969+/-1139.452 χ^2/NDF: 26.5/34

In: -970.626+/-1148.342 χ^2/NDF:23.3/22

Out: 1079.625+/-1067.370 χ^2/NDF:19.9/27

All: 129.325+/-781.804 χ^2/NDF: 45.0/50

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 3875.153+/-1.043 χ^2/NDF:132053.9/8

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

Left In: 3855.998+/-1.110 χ^2/NDF:159032.7/6

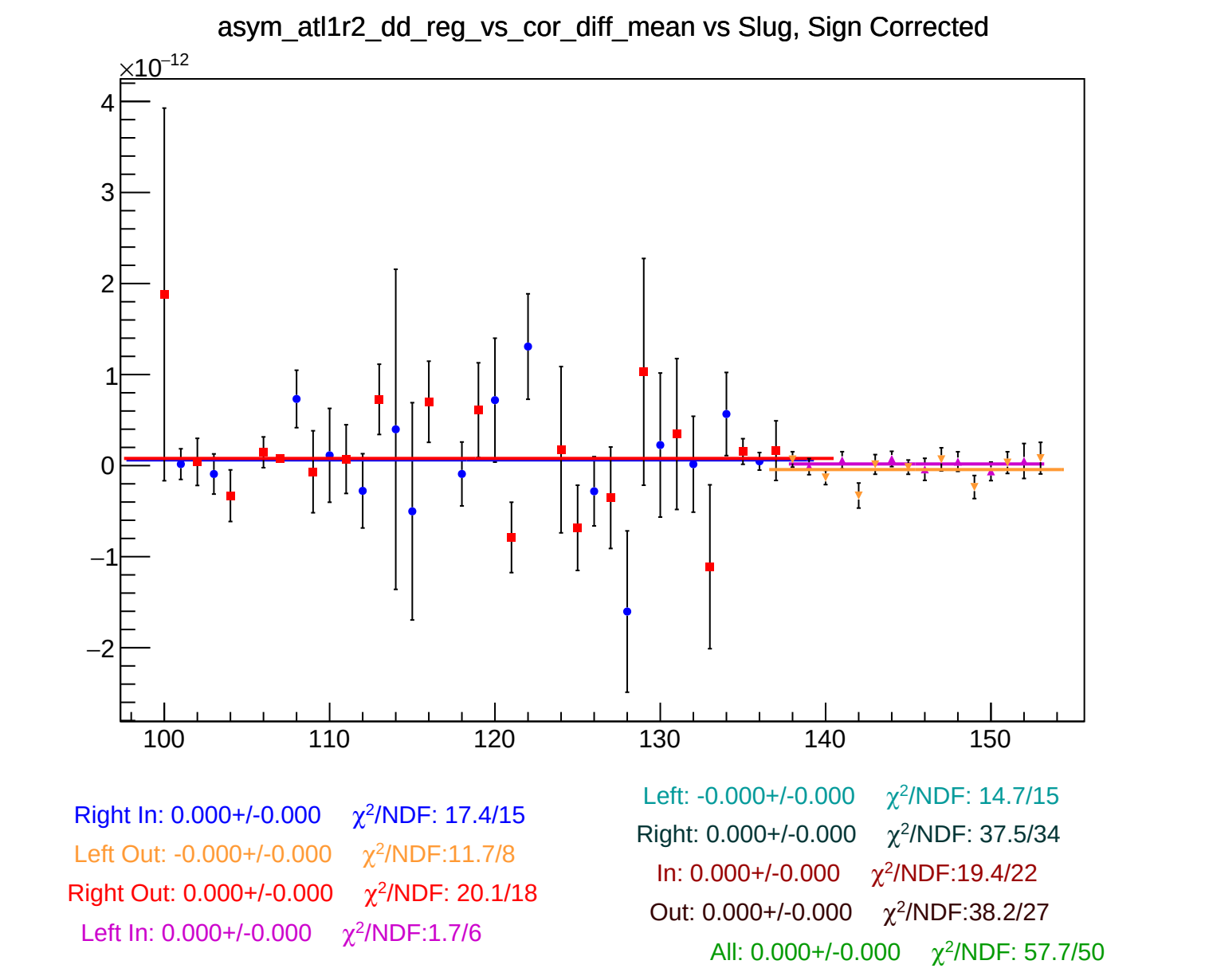
Left: 3866.171+/-0.760 χ^2/NDF: 291244.8/15

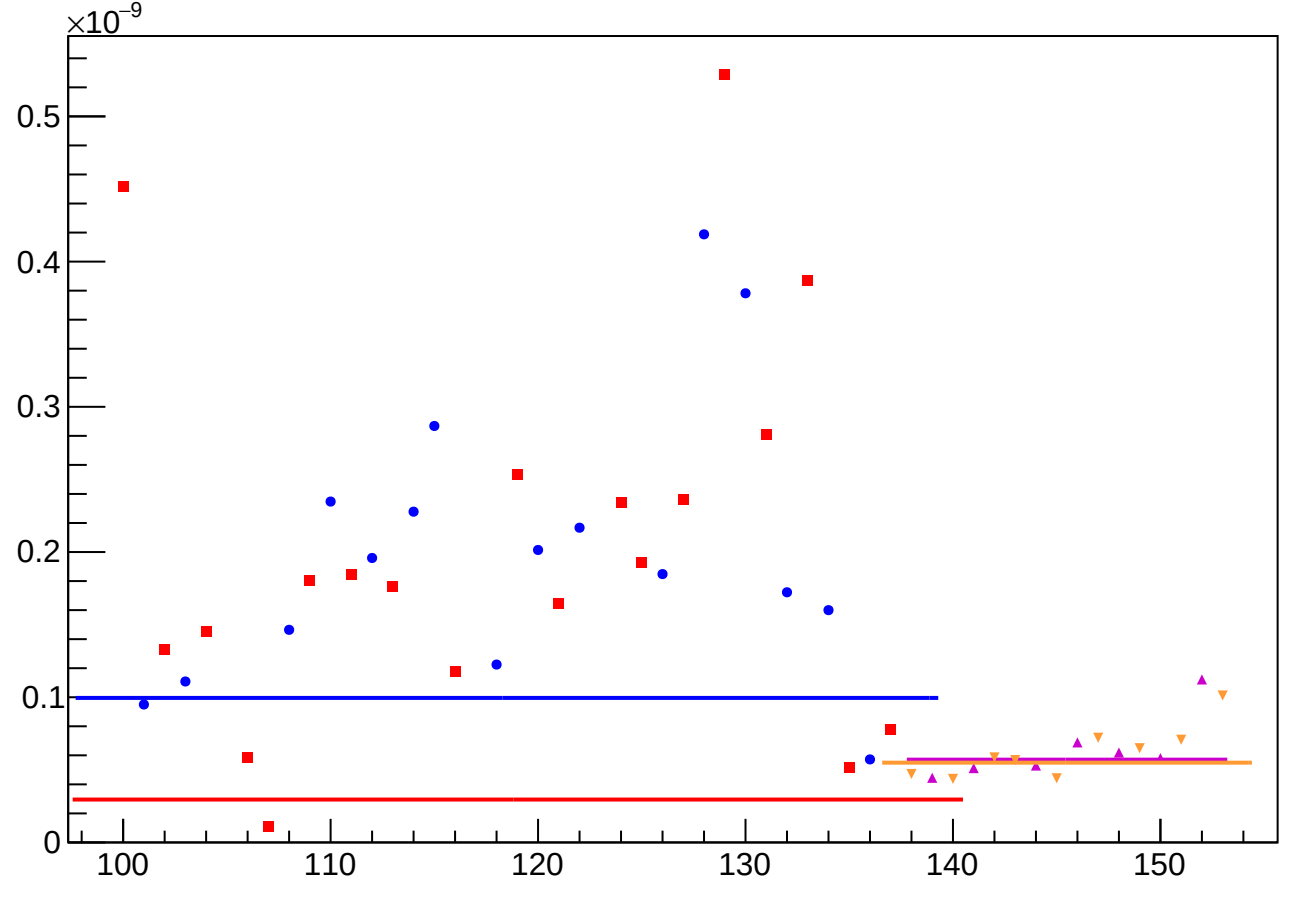
Right: 4196.010+/-0.801 χ^2/NDF: 1683524.5/34

In: 4130.759+/-0.812 χ^2/NDF:749243.6/22

Out: 3929.562+/-0.751 χ^2/NDF:1281645.5/27

All: 4022.340+/-0.551 χ^2/NDF: 2063972.6/50


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
Right In: 0.000+/-0.000 χ²/NDF: 17.4/15
Left Out: -0.000+/-0.000 χ²/NDF:11.7/8
Right Out: 0.000+/-0.000 χ²/NDF: 20.1/18
Left In: 0.000+/-0.000 χ²/NDF:1.7/6
Left: -0.000+/-0.000 χ²/NDF: 14.7/15
Right: 0.000+/-0.000 χ²/NDF: 37.5/34
In: 0.000+/-0.000 χ²/NDF:19.4/22
Out: 0.000+/-0.000 χ²/NDF:38.2/27
All: 0.000+/-0.000 χ²/NDF: 57.7/50



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:322986.6/8

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

Left In: 0.000+/-0.000 χ^2/NDF:241190.5/6

Left: 0.000+/-0.000 χ^2/NDF: 567344.0/15

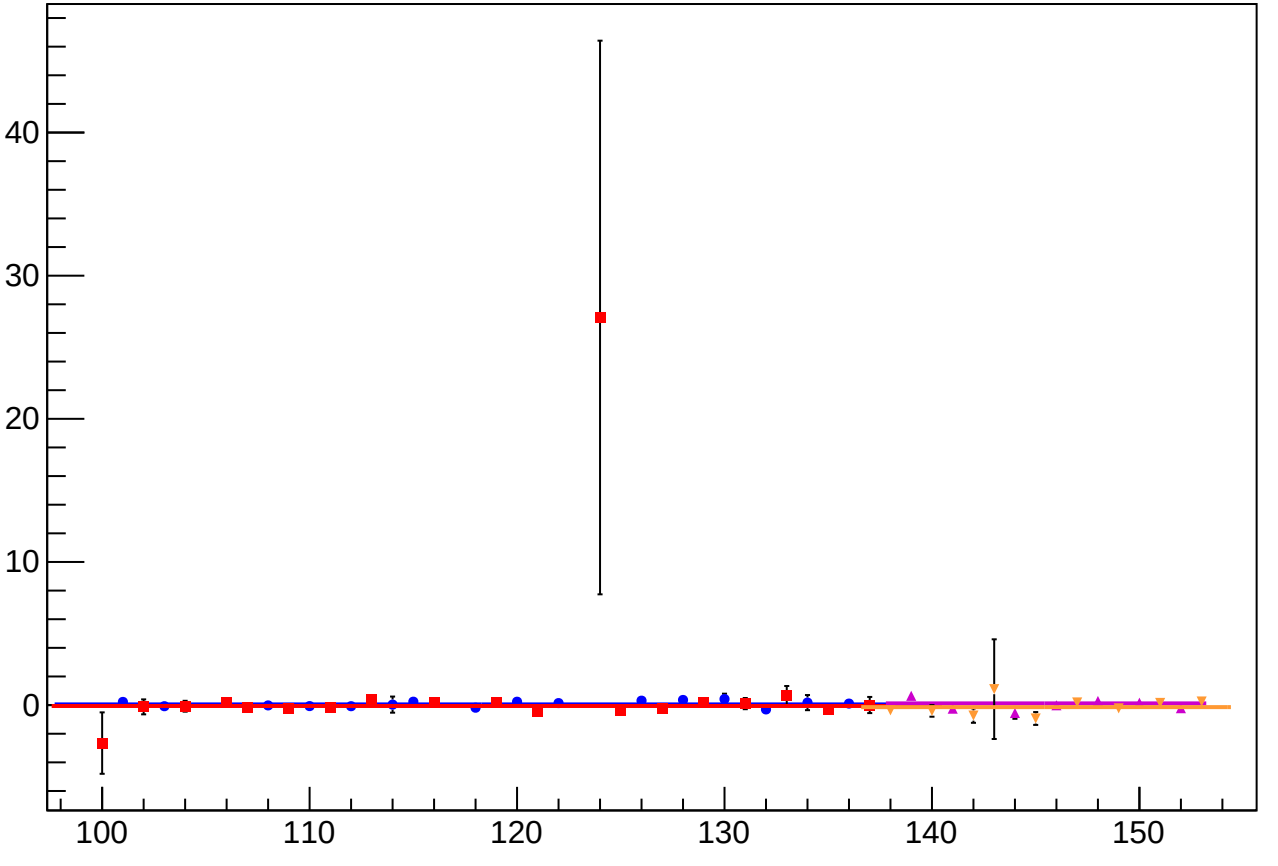
Right: 0.000+/-0.000 χ^2/NDF: 7631581.8/34

In: 0.000+/-0.000 χ^2/NDF:2391732.1/22

Out: 0.000+/-0.000 χ^2/NDF:5245088.5/27

All: 0.000+/-0.000 χ^2/NDF: 8409230.2/50

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: -0.141+/-0.118 χ^2/NDF:9.5/8

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.119+/-0.111 χ^2/NDF:10.5/6

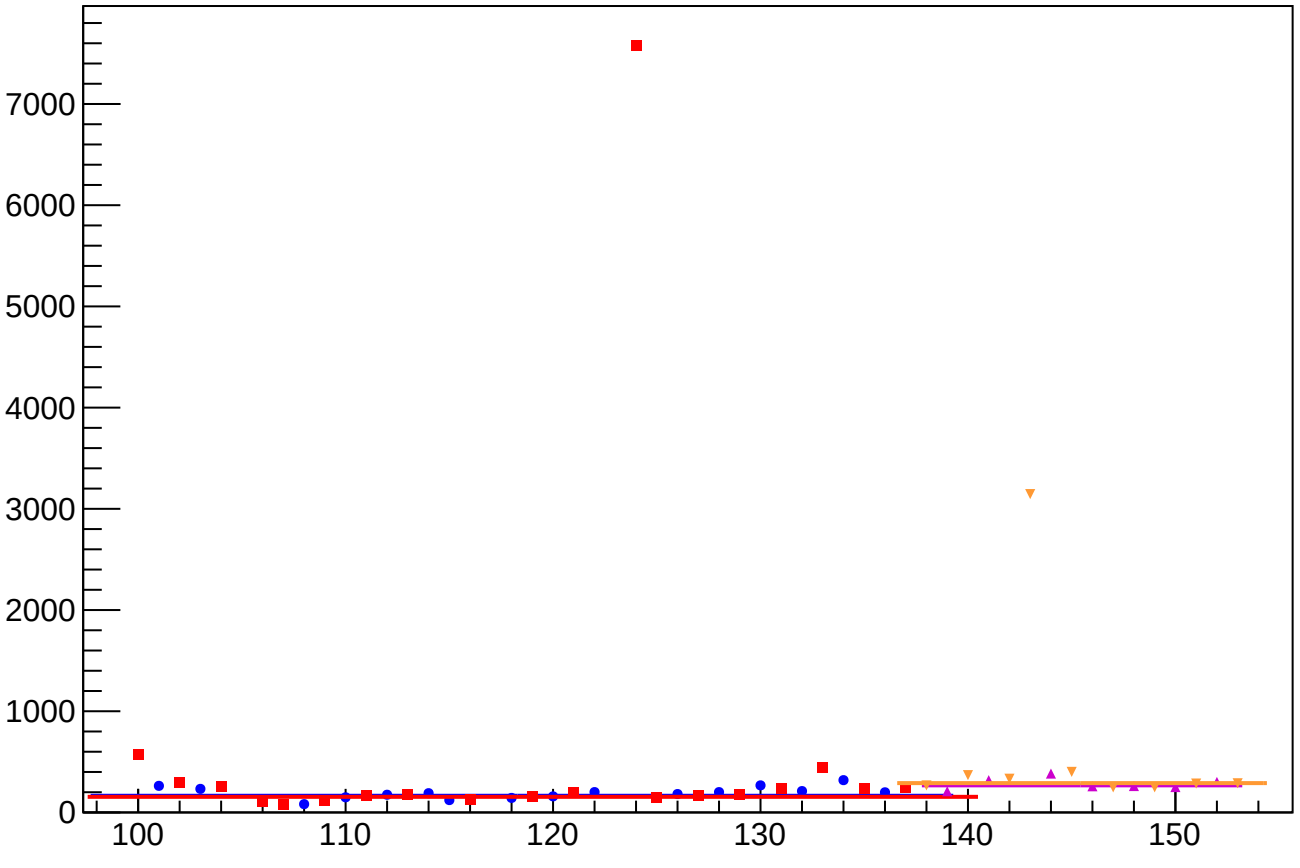
Left: -0.003+/-0.081 χ^2/NDF: 22.5/15

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.067+/-0.057 χ^2/NDF:18.4/22

Out: -0.080+/-0.056 χ^2/NDF:28.2/27

All: -0.007+/-0.040 χ^2/NDF: 50.0/50



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 289.969+/-0.083 χ^2/NDF:1663260.7/8

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 267.812+/-0.079 χ^2/NDF:360722.8/6

Left: 278.262+/-0.057 χ^2/NDF: 2061522.3/15

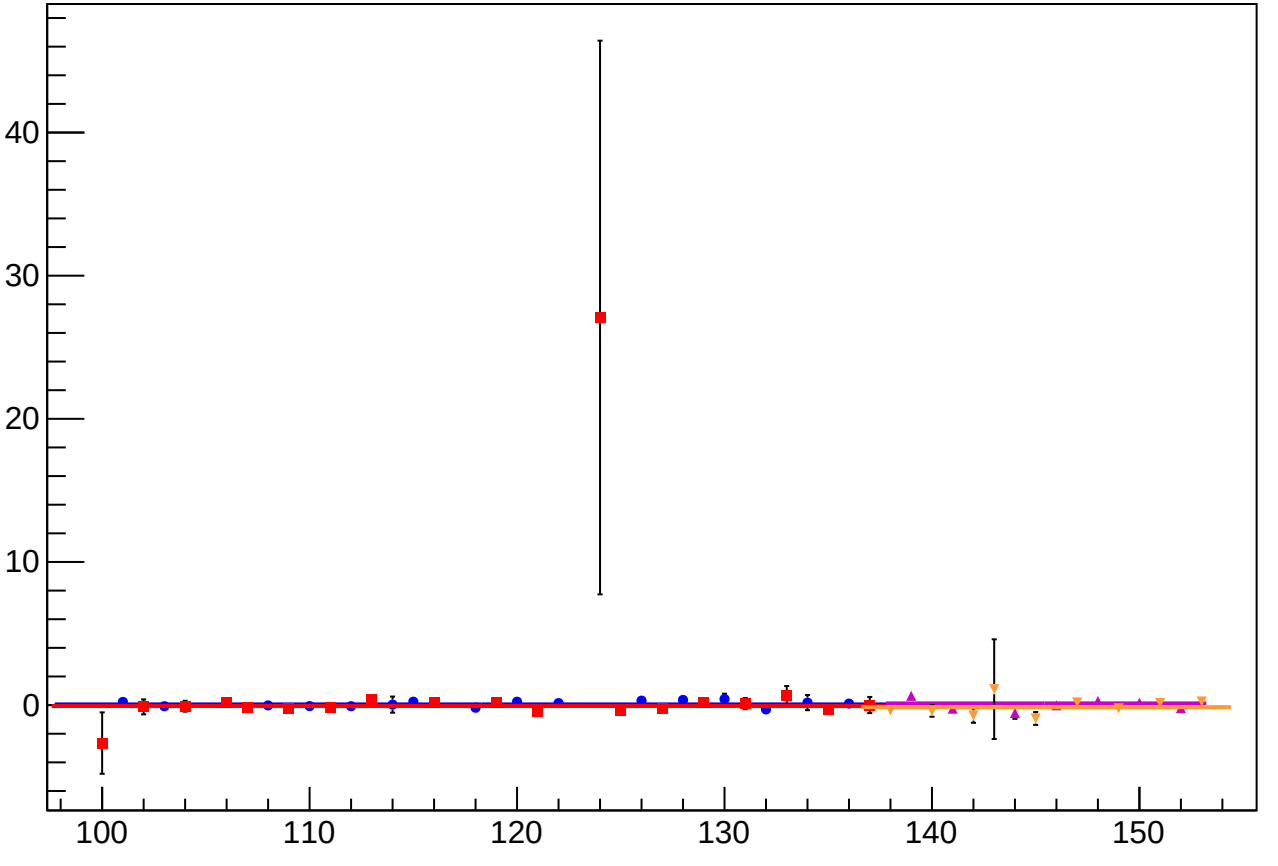
Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 191.973+/-0.040 χ^2/NDF:3101303.6/22

Out: 185.689+/-0.040 χ^2/NDF:5630853.7/27

All: 188.802+/-0.028 χ^2/NDF: 8744426.6/50

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: -0.141+/-0.118 χ^2/NDF:9.5/8

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.119+/-0.111 χ^2/NDF:10.5/6

Left: -0.003+/-0.081 χ^2/NDF: 22.5/15

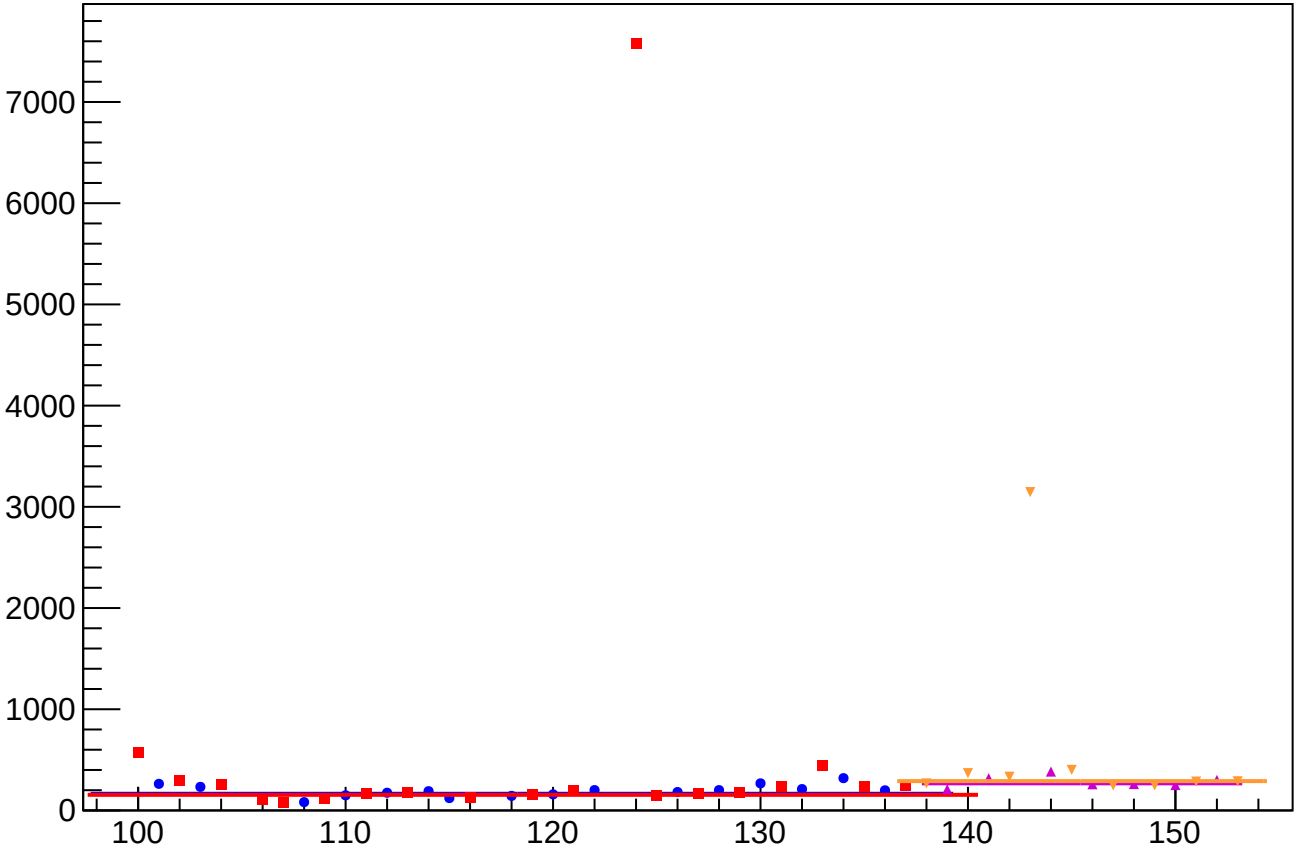
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.067+/-0.057 χ^2/NDF:18.4/22

Out: -0.080+/-0.056 χ^2/NDF:28.2/27

All: -0.007+/-0.040 χ^2/NDF: 50.0/50

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 289.969+/-0.083 χ^2/NDF:1663260.7/8

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 267.812+/-0.079 χ^2/NDF:360722.8/6

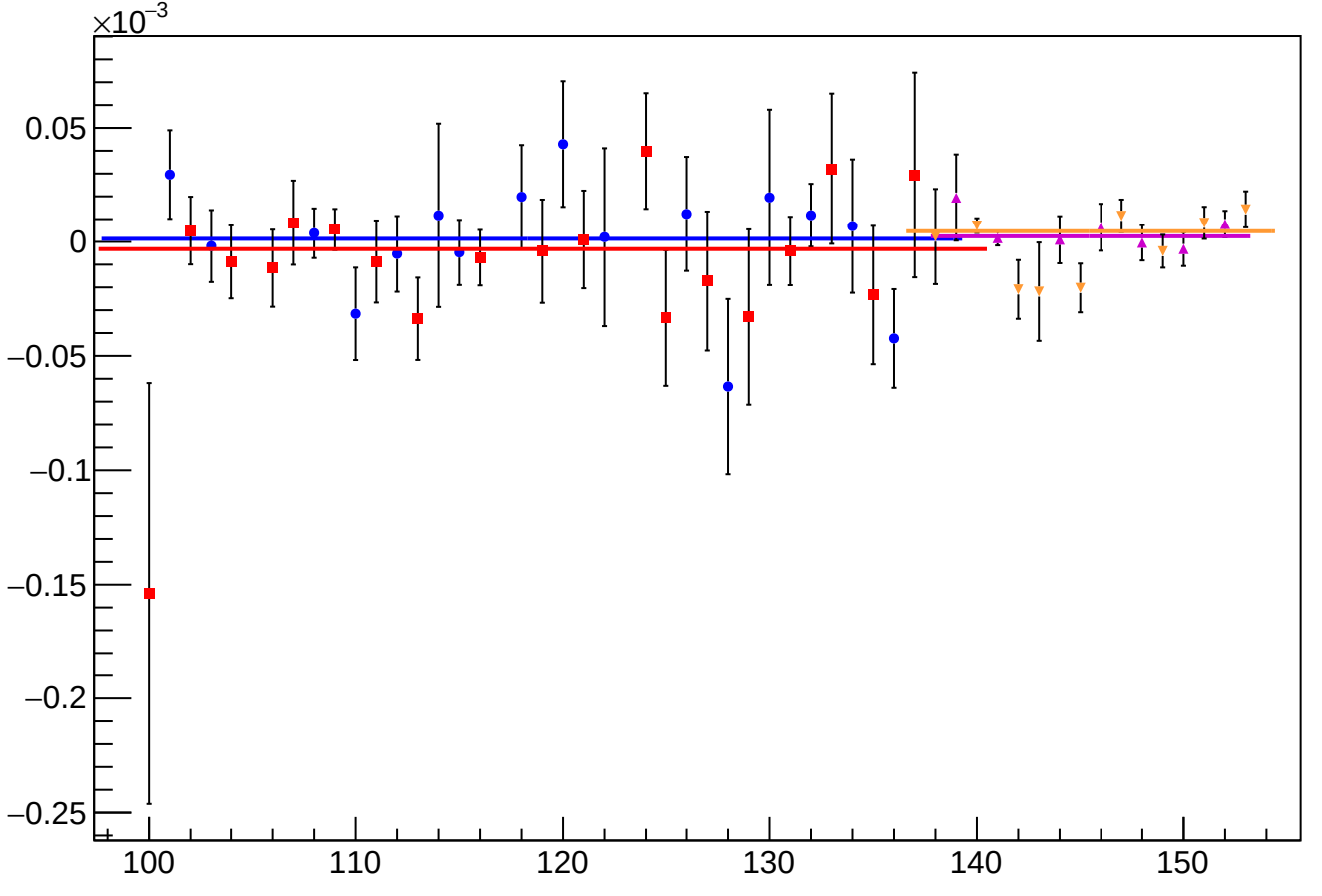
Left: 278.262+/-0.057 χ^2/NDF: 2061522.3/15

Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 191.973+/-0.040 χ^2/NDF:3101303.6/22

Out: 185.689+/-0.040 χ^2/NDF:5630853.7/27

All: 188.802+/-0.028 χ^2/NDF: 8744426.6/50



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/8

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:2.6/6

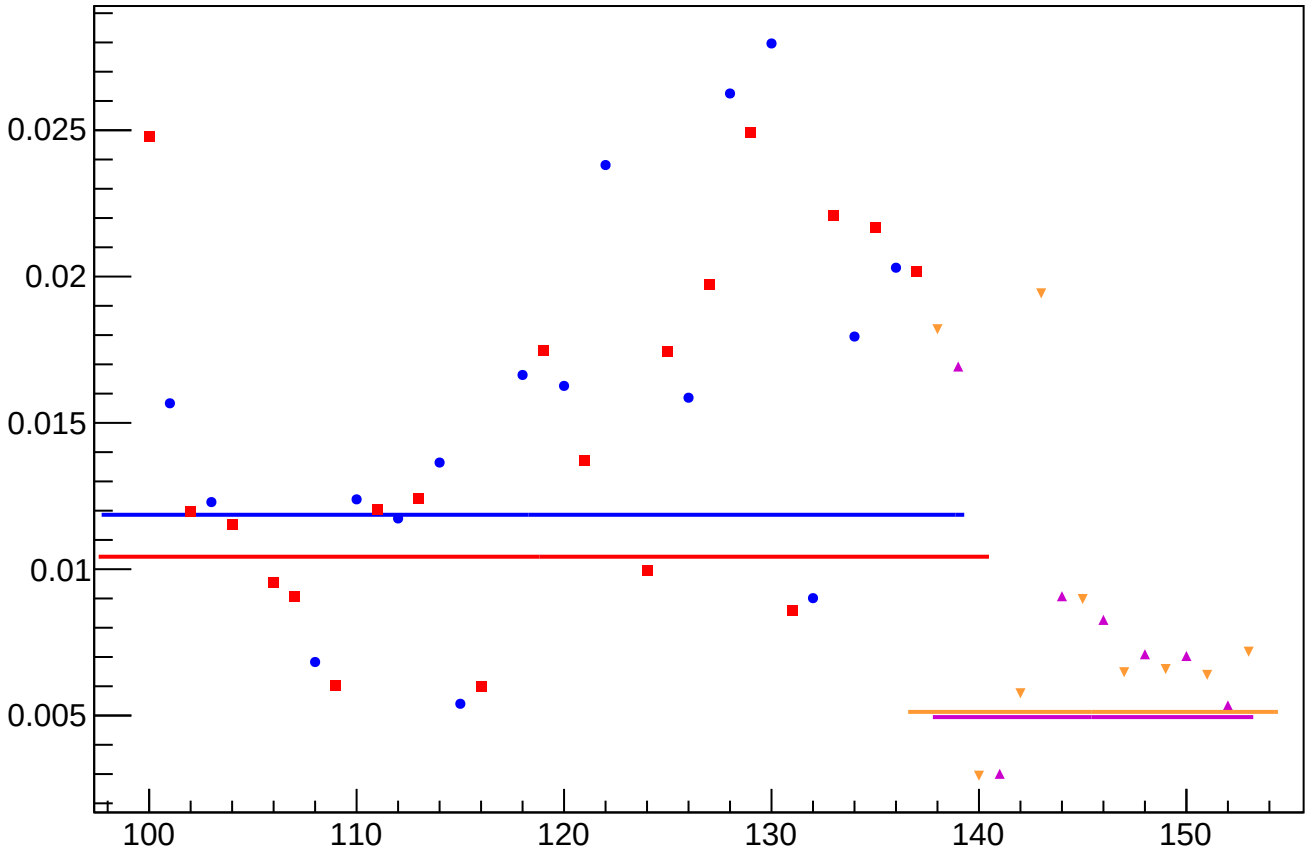
Left: 0.000+/-0.000 χ^2/NDF: 18.7/15

Right: -0.000+/-0.000 χ^2/NDF: 31.2/34

In: 0.000+/-0.000 χ^2/NDF:18.8/22

Out: 0.000+/-0.000 χ^2/NDF:32.9/27

All: 0.000+/-0.000 χ^2/NDF: 51.7/50



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:3205879.2/8

Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

Left In: 0.005+/-0.000 χ^2/NDF:2381308.8/6

Left: 0.005+/-0.000 χ^2/NDF: 5593103.6/15

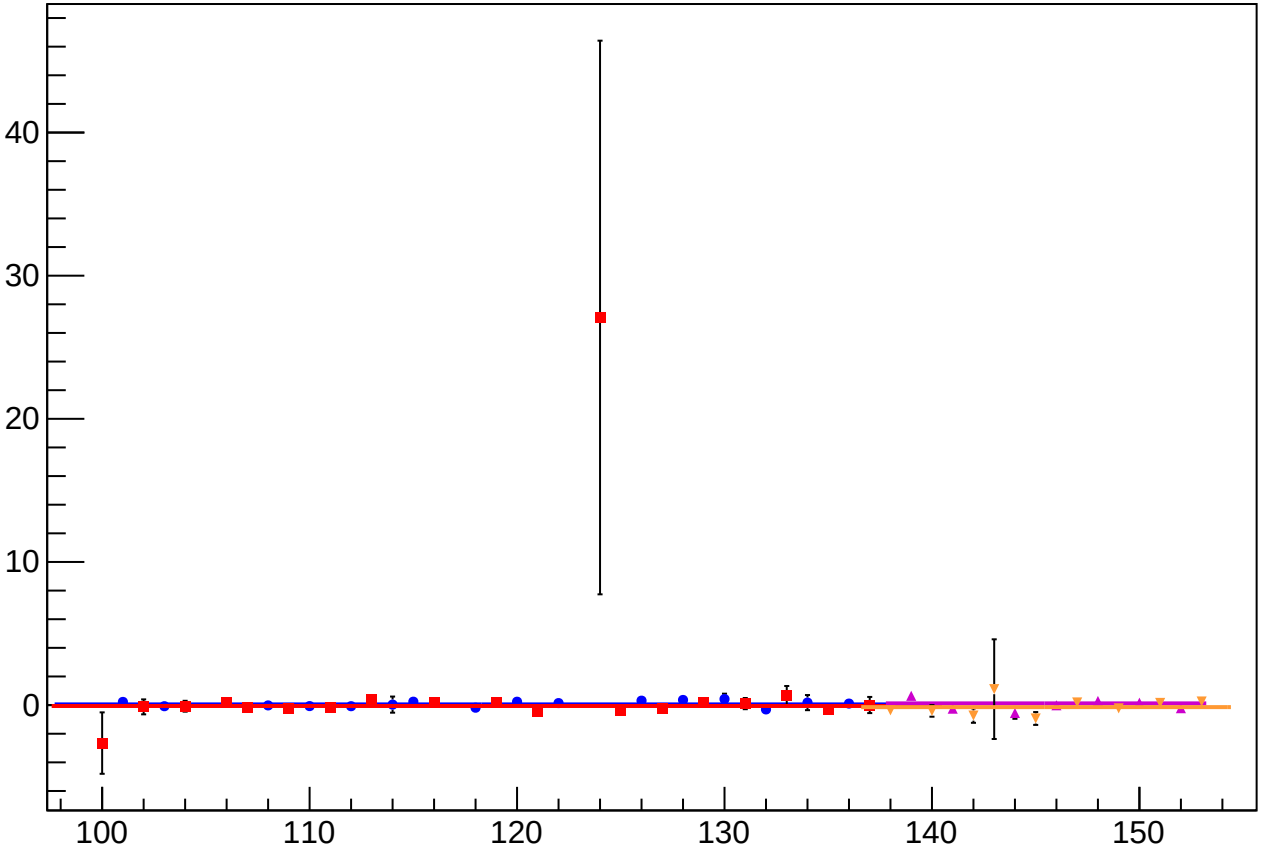
Right: 0.011+/-0.000 χ^2/NDF: 4860752.3/34

In: 0.006+/-0.000 χ^2/NDF:8060573.8/22

Out: 0.006+/-0.000 χ^2/NDF:7986125.3/27

All: 0.006+/-0.000 χ^2/NDF: 16048259.2/50

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: -0.141+/-0.118 χ^2/NDF:9.5/8

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.119+/-0.111 χ^2/NDF:10.5/6

Left: -0.003+/-0.081 χ^2/NDF: 22.5/15

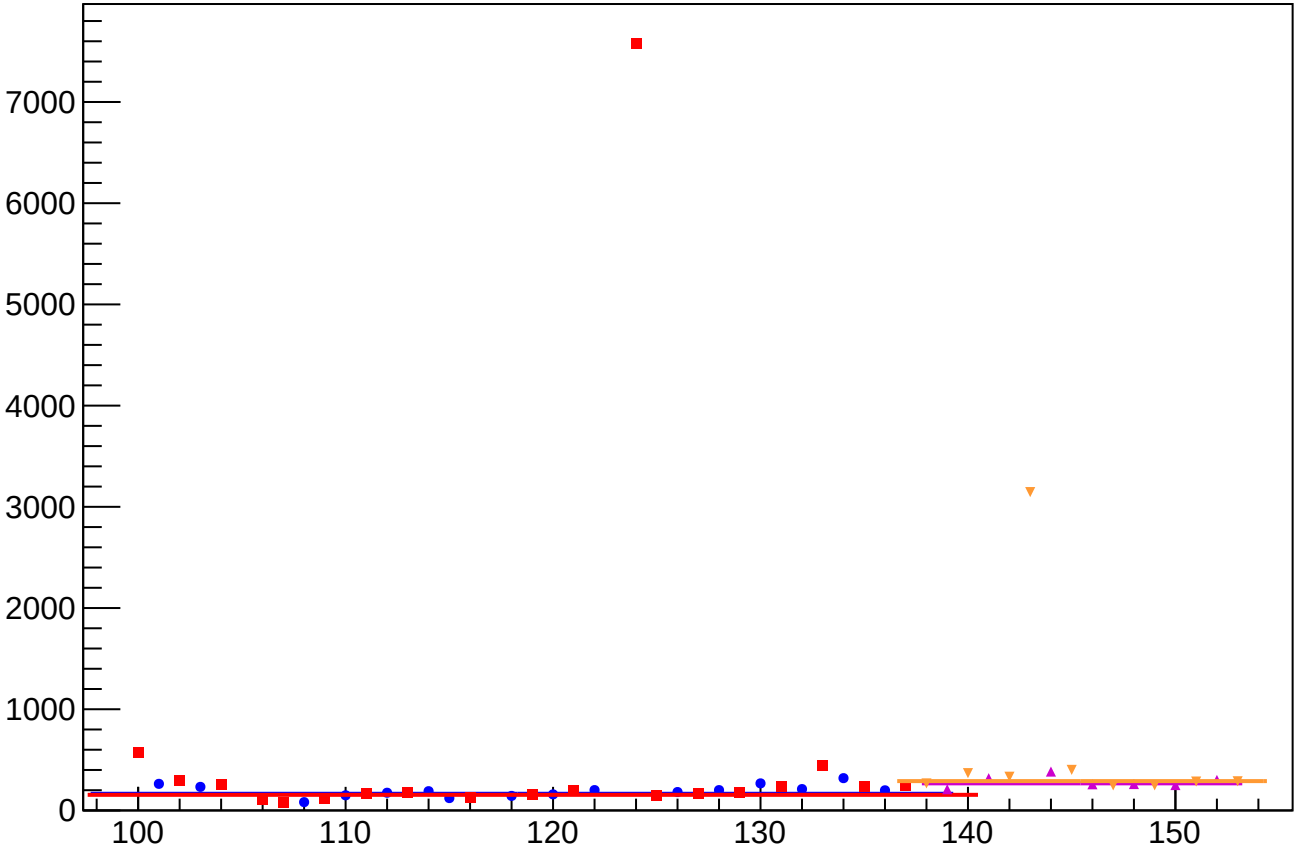
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.067+/-0.057 χ^2/NDF:18.4/22

Out: -0.080+/-0.056 χ^2/NDF:28.2/27

All: -0.007+/-0.040 χ^2/NDF: 50.0/50

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 289.972+/-0.083 χ^2/NDF:1663240.7/8

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 267.816+/-0.079 χ^2/NDF:360700.8/6

Left: 278.266+/-0.057 χ^2/NDF: 2061479.6/15

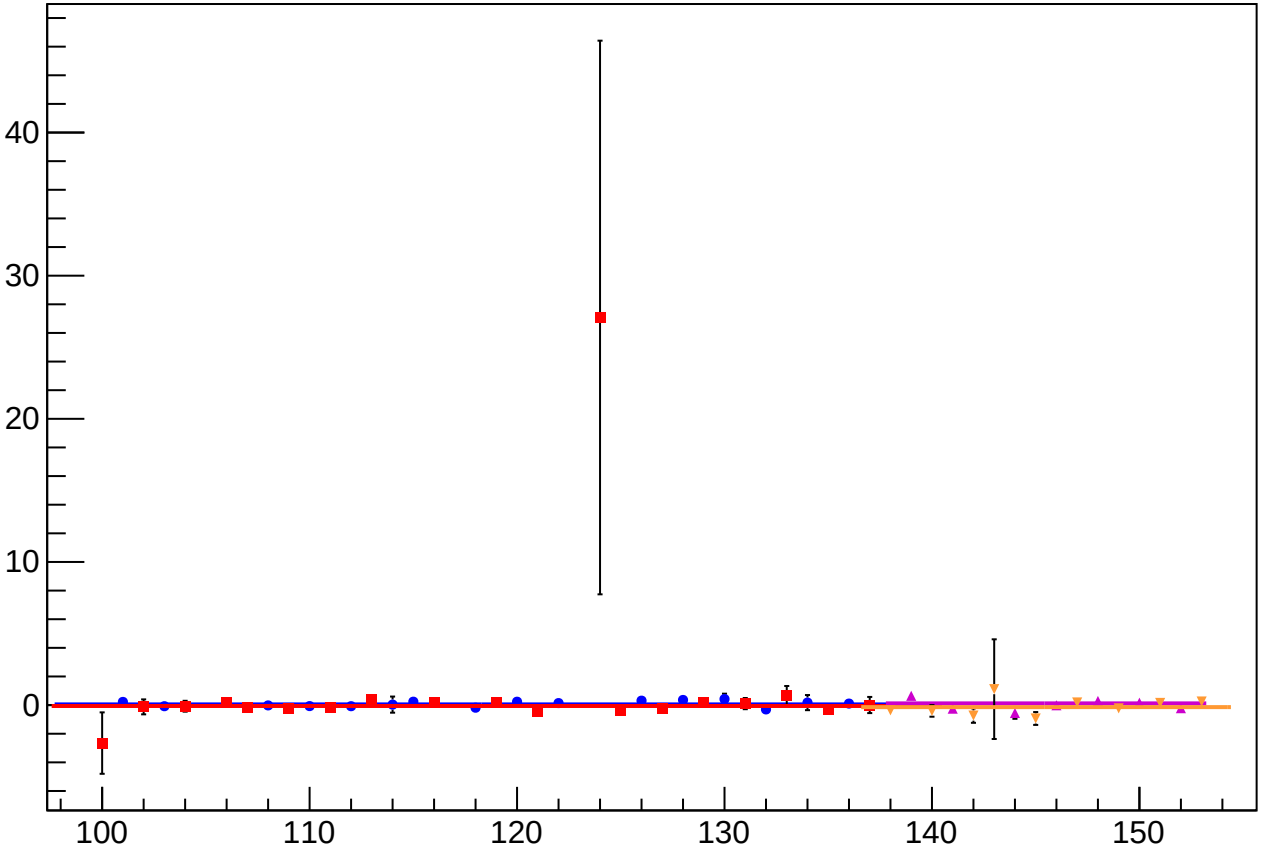
Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 191.974+/-0.040 χ^2/NDF:3101326.0/22

Out: 185.689+/-0.040 χ^2/NDF:5630939.4/27

All: 188.803+/-0.028 χ^2/NDF: 8744535.1/50

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: -0.141+/-0.118 χ^2/NDF:9.5/8

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.119+/-0.111 χ^2/NDF:10.5/6

Left: -0.003+/-0.081 χ^2/NDF: 22.5/15

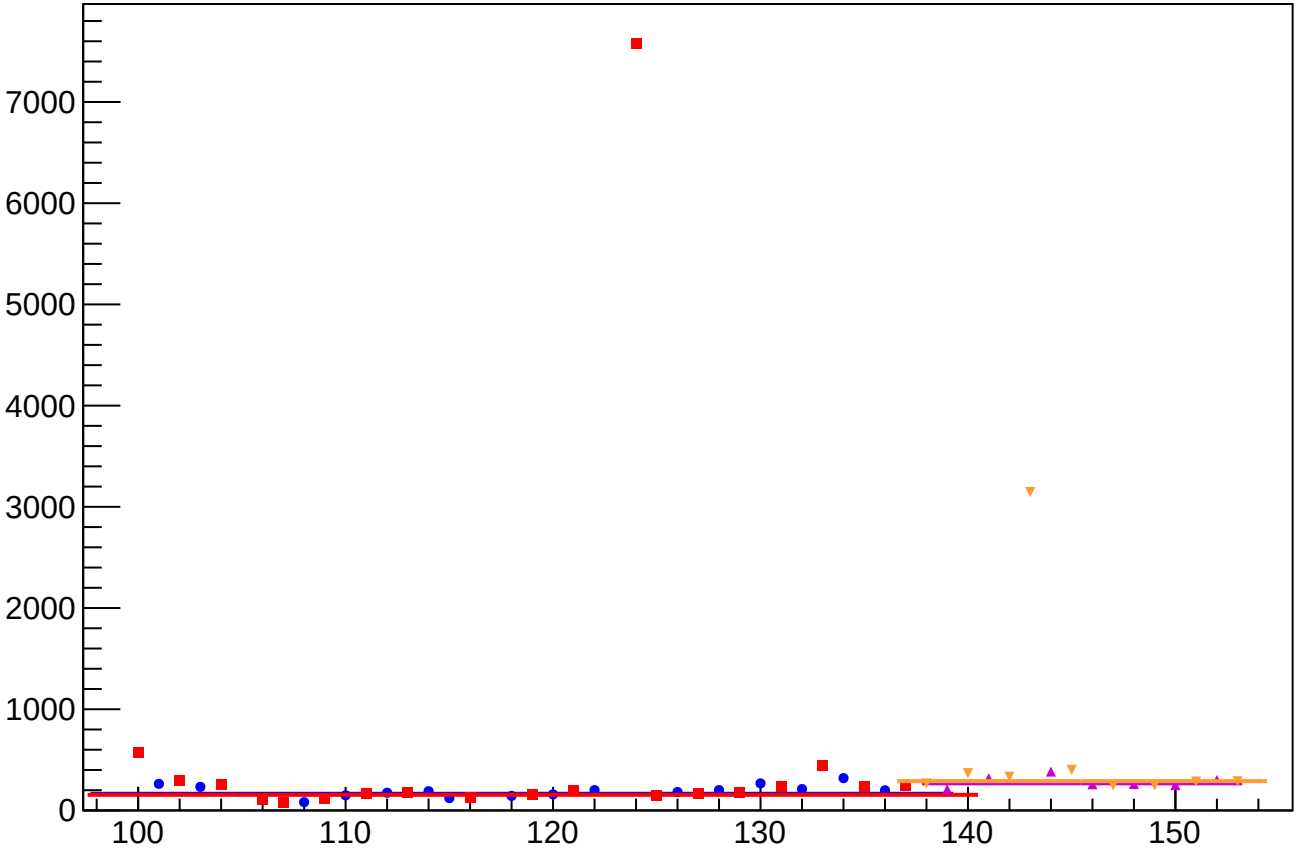
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.067+/-0.057 χ^2/NDF:18.4/22

Out: -0.080+/-0.056 χ^2/NDF:28.2/27

All: -0.007+/-0.040 χ^2/NDF: 50.0/50

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: 289.972+/-0.083 χ^2/NDF:1663240.7/8

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 267.816+/-0.079 χ^2/NDF:360700.8/6

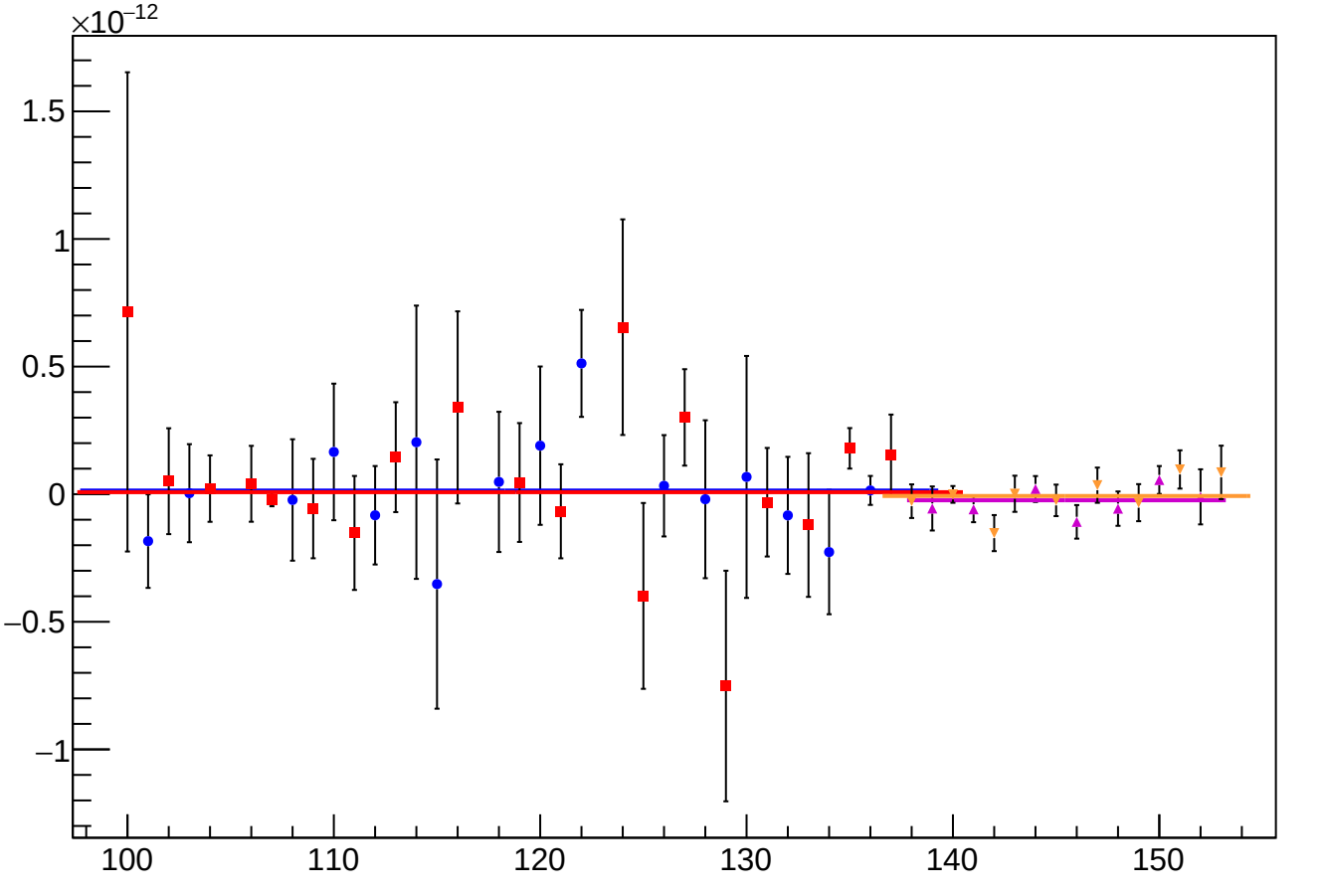
Left: 278.266+/-0.057 χ^2/NDF: 2061479.6/15

Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 191.974+/-0.040 χ^2/NDF:3101326.0/22

Out: 185.689+/-0.040 χ^2/NDF:5630939.4/27

All: 188.803+/-0.028 χ^2/NDF: 8744535.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.7/8

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:5.4/6

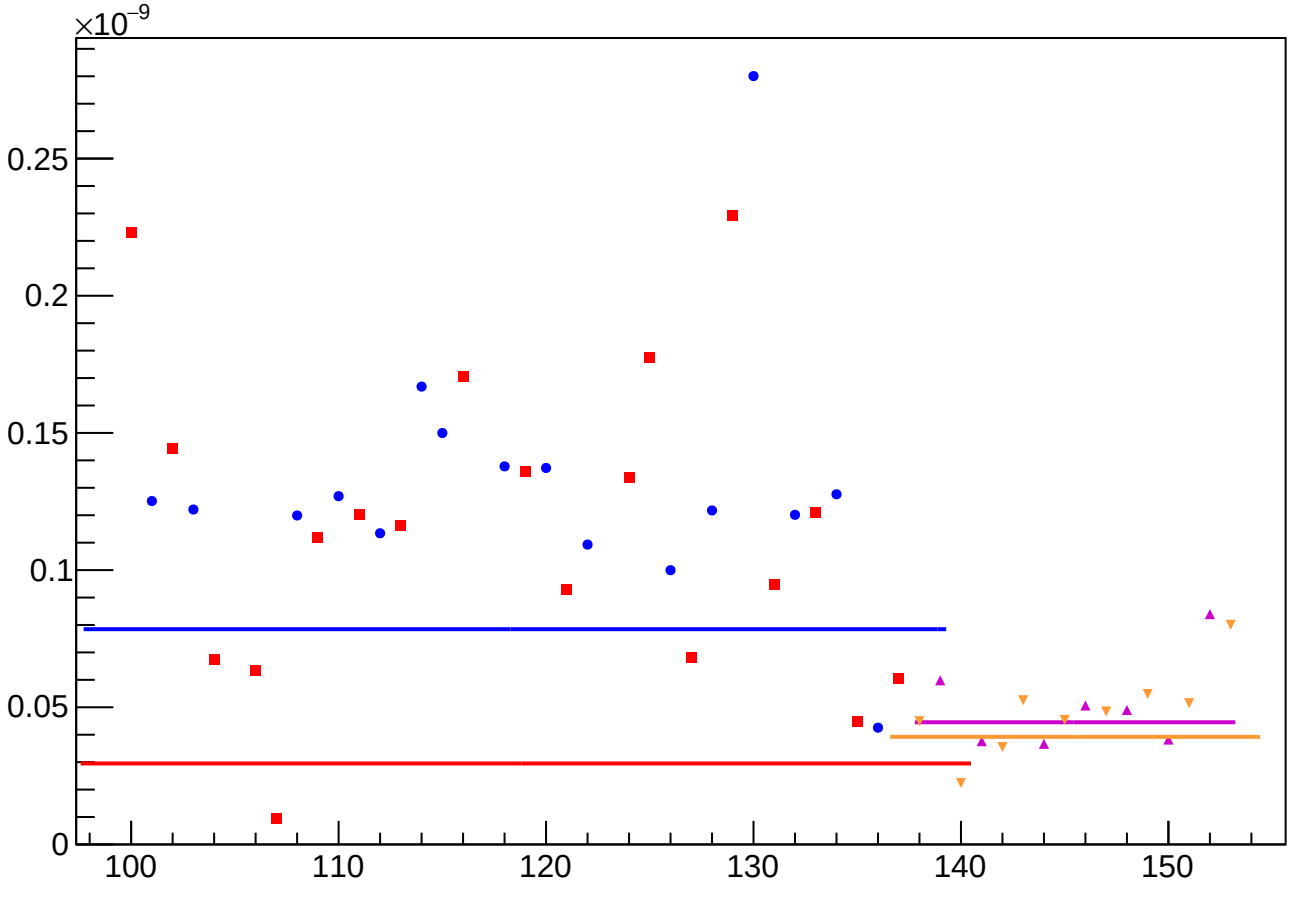
Left: -0.000+/-0.000 χ^2/NDF: 13.4/15

Right: 0.000+/-0.000 χ^2/NDF: 28.0/34

In: -0.000+/-0.000 χ^2/NDF:15.7/22

Out: -0.000+/-0.000 χ^2/NDF:26.3/27

All: -0.000+/-0.000 χ^2/NDF: 42.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1125579.5/8

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

Left In: 0.000+/-0.000 χ^2/NDF:467357.9/6

Left: 0.000+/-0.000 χ^2/NDF: 1651741.5/15

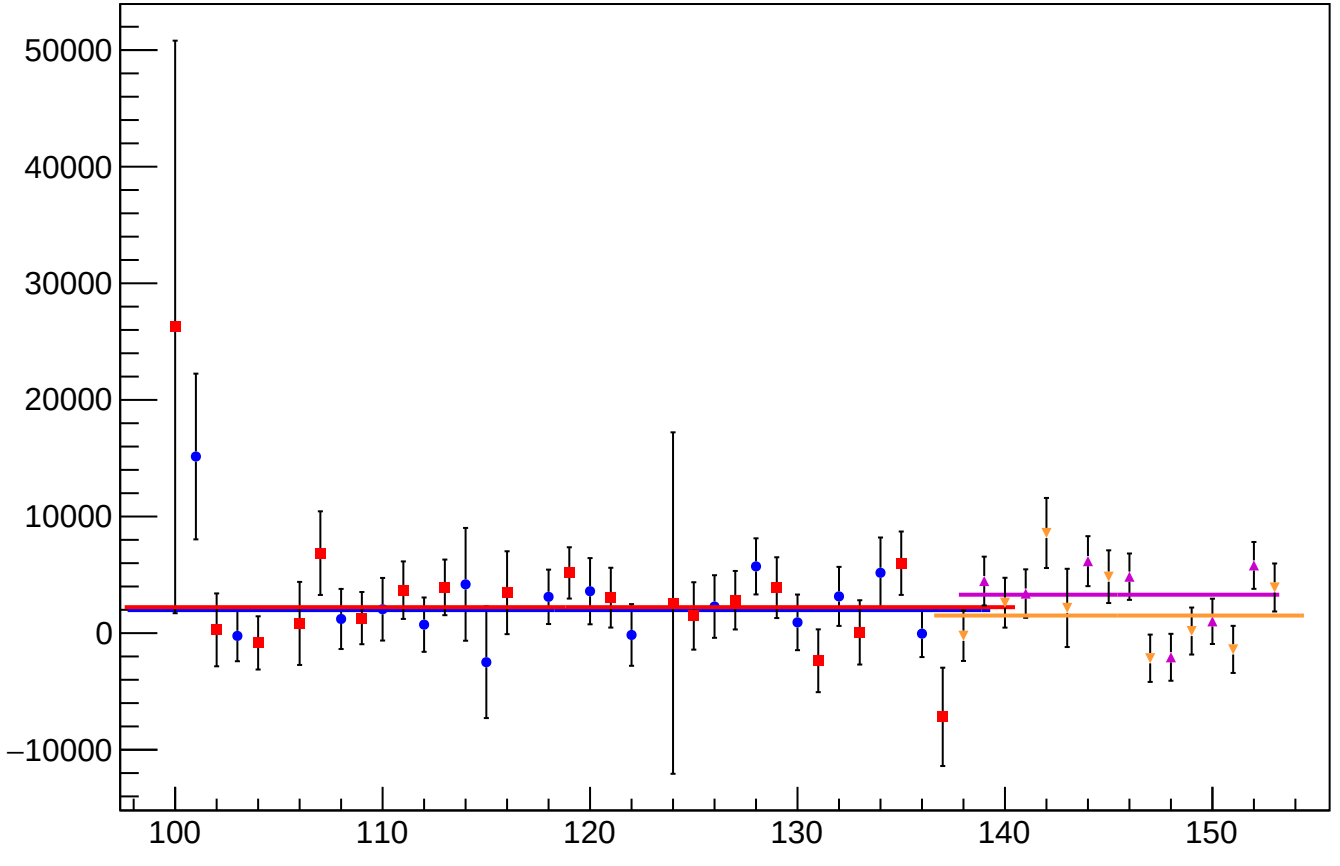
Right: 0.000+/-0.000 χ^2/NDF: 9651358.8/34

In: 0.000+/-0.000 χ^2/NDF:3546214.8/22

Out: 0.000+/-0.000 χ^2/NDF:6815853.5/27

All: 0.000+/-0.000 χ^2/NDF: 11305322.8/50

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1510.173+/-745.510 χ^2/NDF:15.8/8

Right Out: 2226.171+/-656.286 χ^2/NDF: 19.0/18

Left In: 3296.260+/-769.037 χ^2/NDF:12.8/6

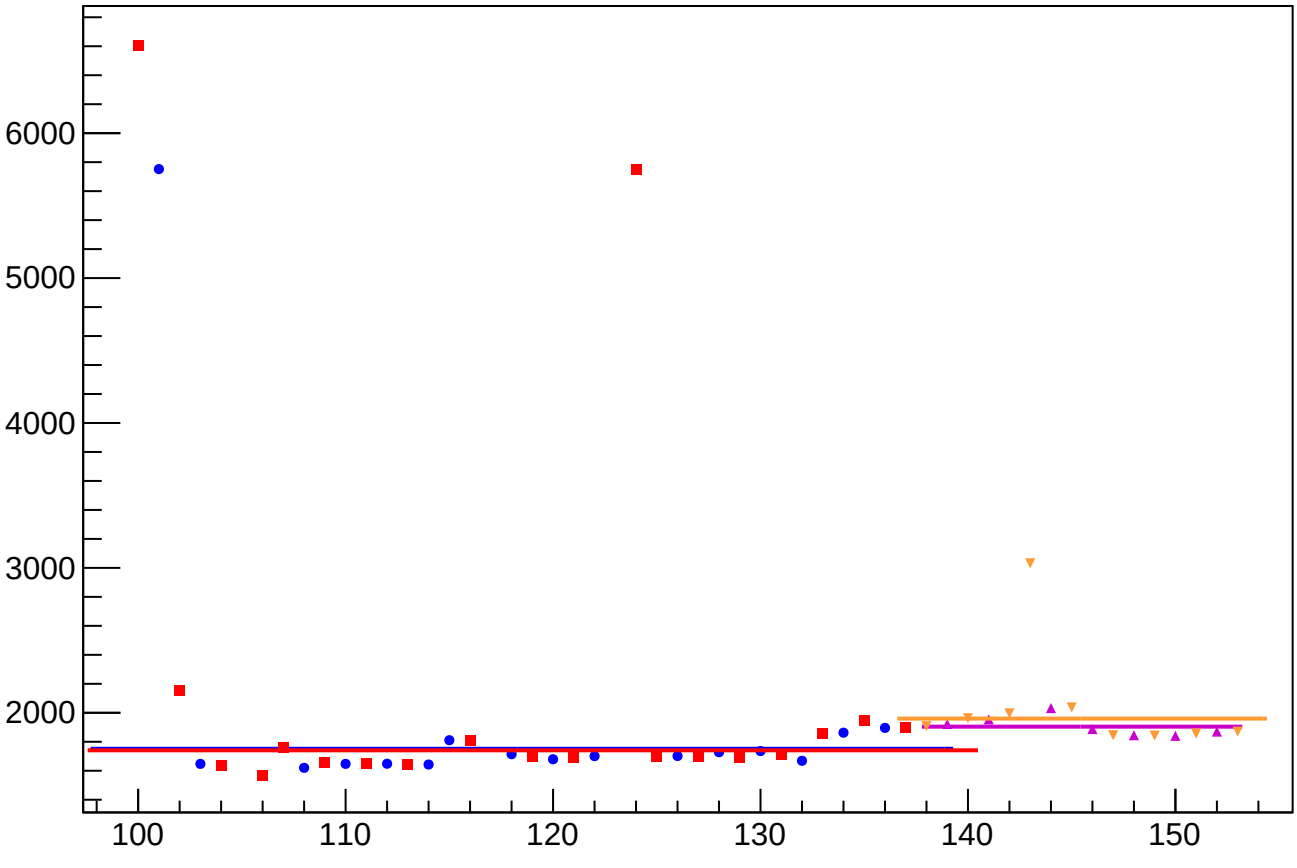
Left: 2375.478+/-535.279 χ^2/NDF: 31.4/15

Right: 2103.390+/-468.051 χ^2/NDF: 31.2/34

In: 2543.649+/-504.188 χ^2/NDF:26.6/22

Out: 1913.561+/-492.605 χ^2/NDF:35.3/27

All: 2221.284+/-352.348 χ^2/NDF: 62.7/50



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 1960.044+/-0.527 χ^2/NDF:229971.0/8

Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

Left In: 1904.279+/-0.544 χ^2/NDF:13071.4/6

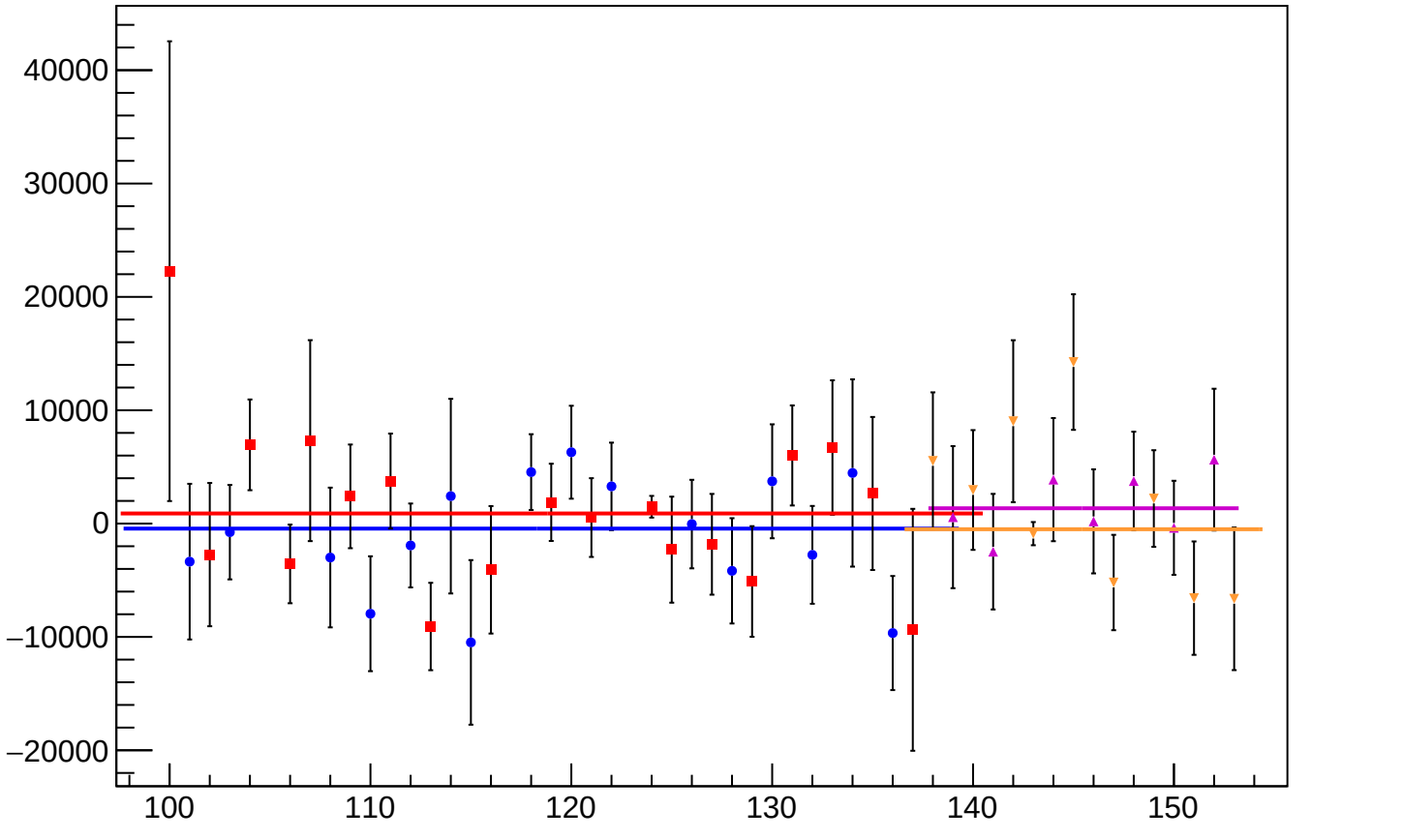
Left: 1933.027+/-0.378 χ^2/NDF: 248463.9/15

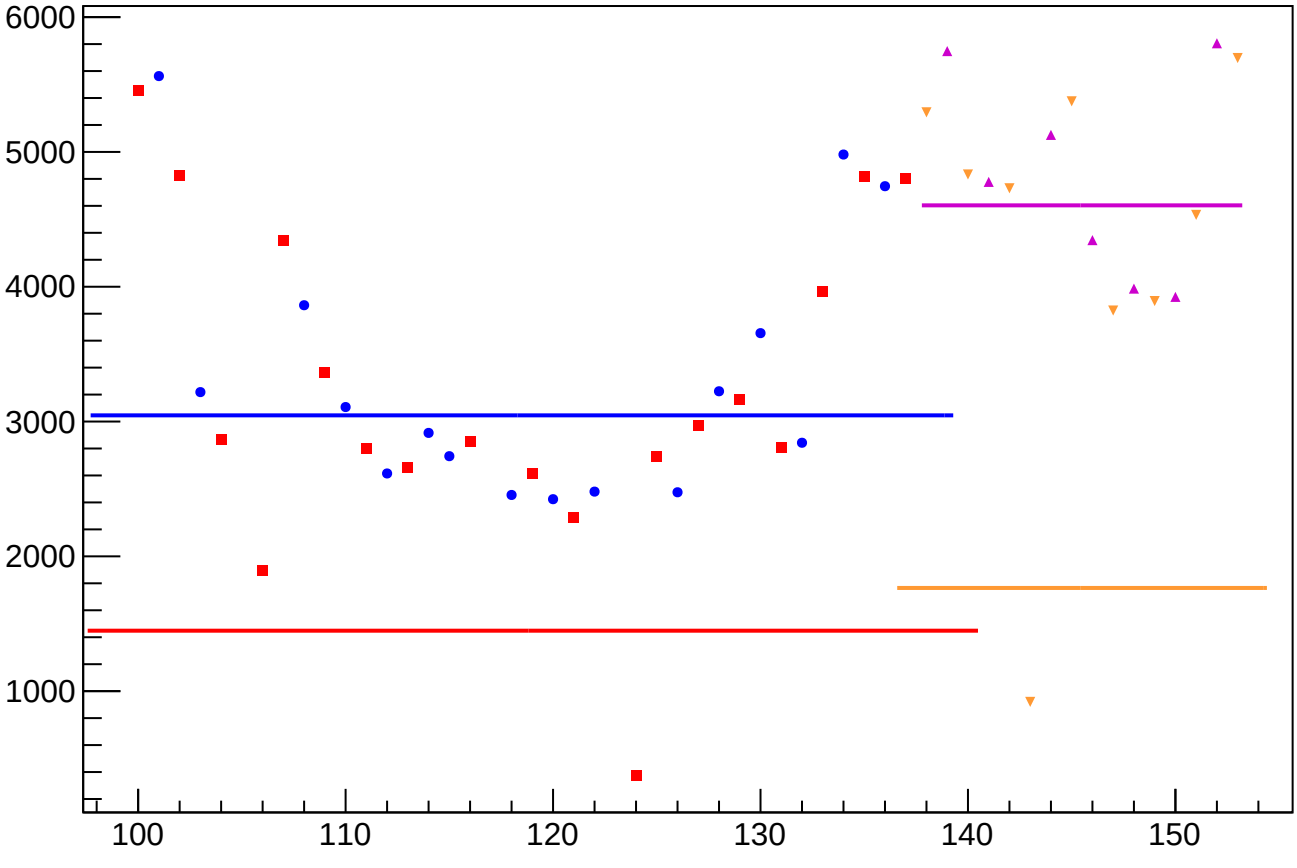
Right: 1746.199+/-0.330 χ^2/NDF: 975562.4/34

In: 1817.229+/-0.357 χ^2/NDF:728666.0/22

Out: 1835.871+/-0.347 χ^2/NDF:632480.1/27

All: 1826.805+/-0.249 χ^2/NDF: 1362550.7/50


asym_atr1l2_avg_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
Right In: -444.273+/-1174.448 χ²/NDF: 15.9/15
Left Out: -498.588+/-896.545 χ²/NDF:13.5/8
Right Out: 892.237+/-725.737 χ²/NDF: 20.1/18
Left In: 1350.526+/-1884.046 χ²/NDF:1.8/6
Left: -157.178+/-809.558 χ²/NDF: 16.1/15
Right: 522.917+/-617.375 χ²/NDF: 36.9/34
In: 57.986+/-996.662 χ²/NDF:18.4/22
Out: 341.657+/-564.087 χ²/NDF:35.0/27
All: 272.835+/-490.913 χ²/NDF: 53.5/50



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 1765.558+/-0.634 χ^2/NDF:6164176.8/8

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

Left In: 4603.728+/-1.332 χ^2/NDF:261568.9/6

Left: 2289.583+/-0.572 χ^2/NDF: 10126377.6/15

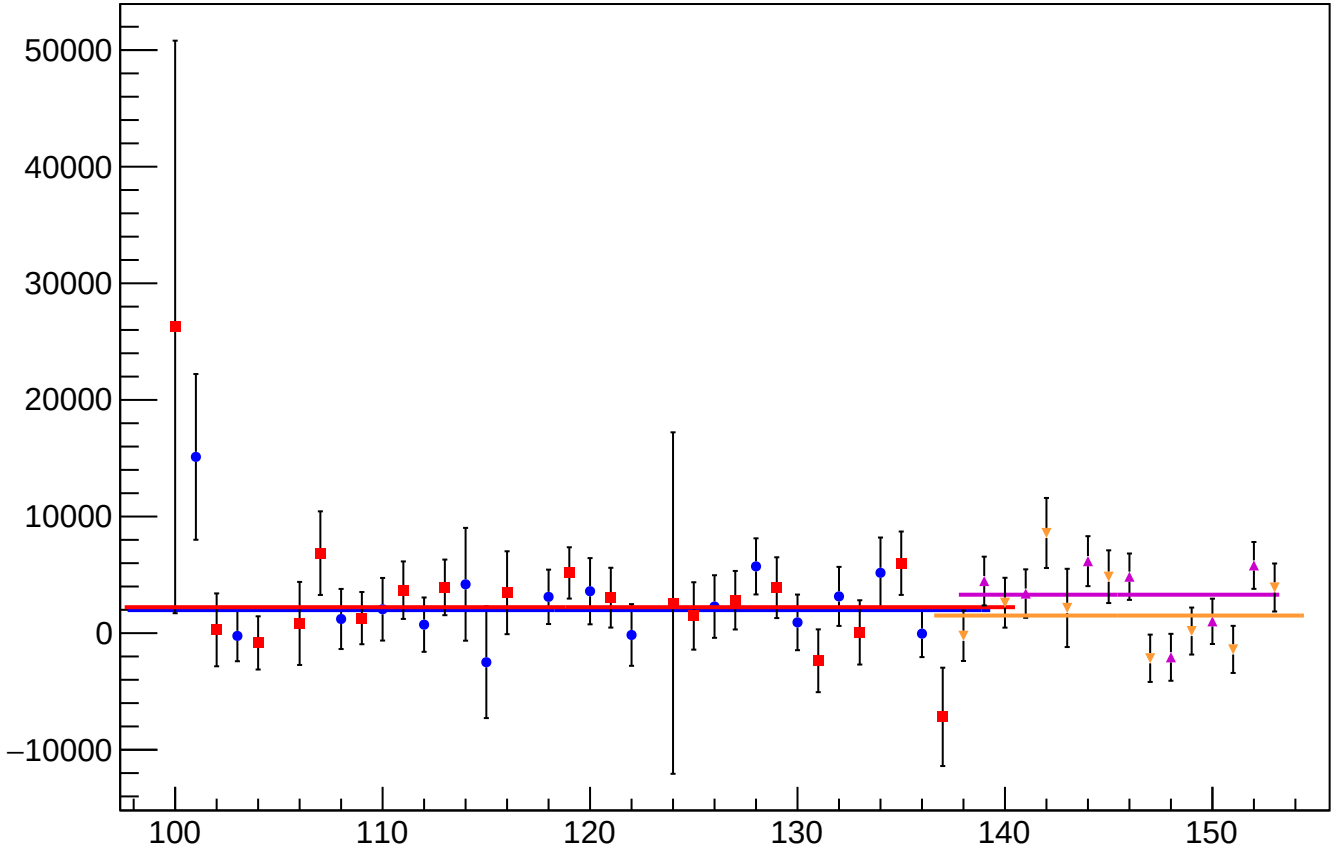
Right: 1889.931+/-0.437 χ^2/NDF: 10371803.4/34

In: 3481.858+/-0.705 χ^2/NDF:2153654.9/22

Out: 1574.024+/-0.399 χ^2/NDF:13102195.7/27

All: 2036.889+/-0.347 χ^2/NDF: 20806364.9/5

cor_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1510.171+/-745.510 χ^2/NDF:15.8/8

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 3296.485+/-769.037 χ^2/NDF:12.8/6

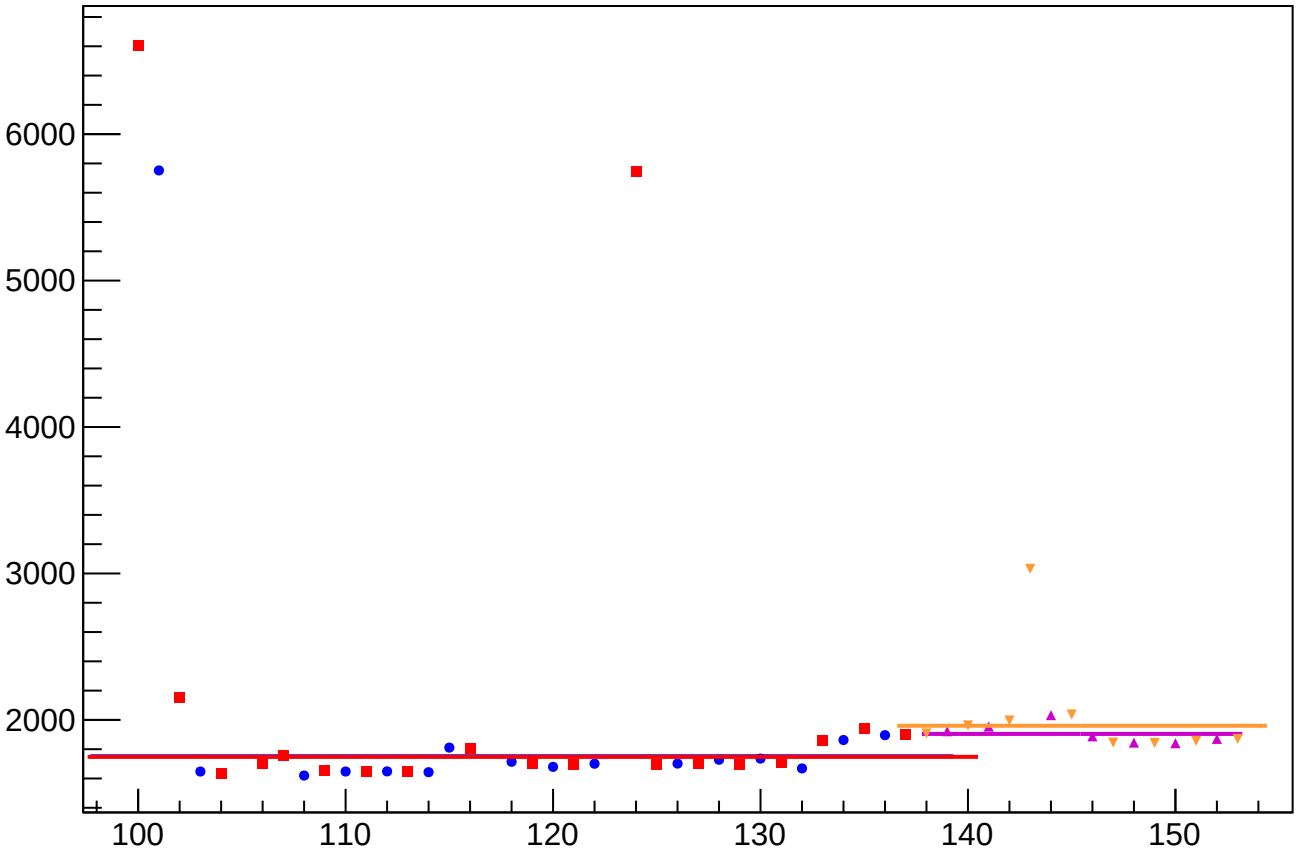
Left: 2375.586+/-535.279 χ^2/NDF: 31.4/15

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2543.545+/-504.188 χ^2/NDF:26.6/22

Out: 1913.614+/-492.605 χ^2/NDF:35.3/27

All: 2221.261+/-352.348 χ^2/NDF: 62.7/50



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1960.044+/-0.527 χ^2/NDF:229971.0/8

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1904.279+/-0.544 χ^2/NDF:13071.4/6

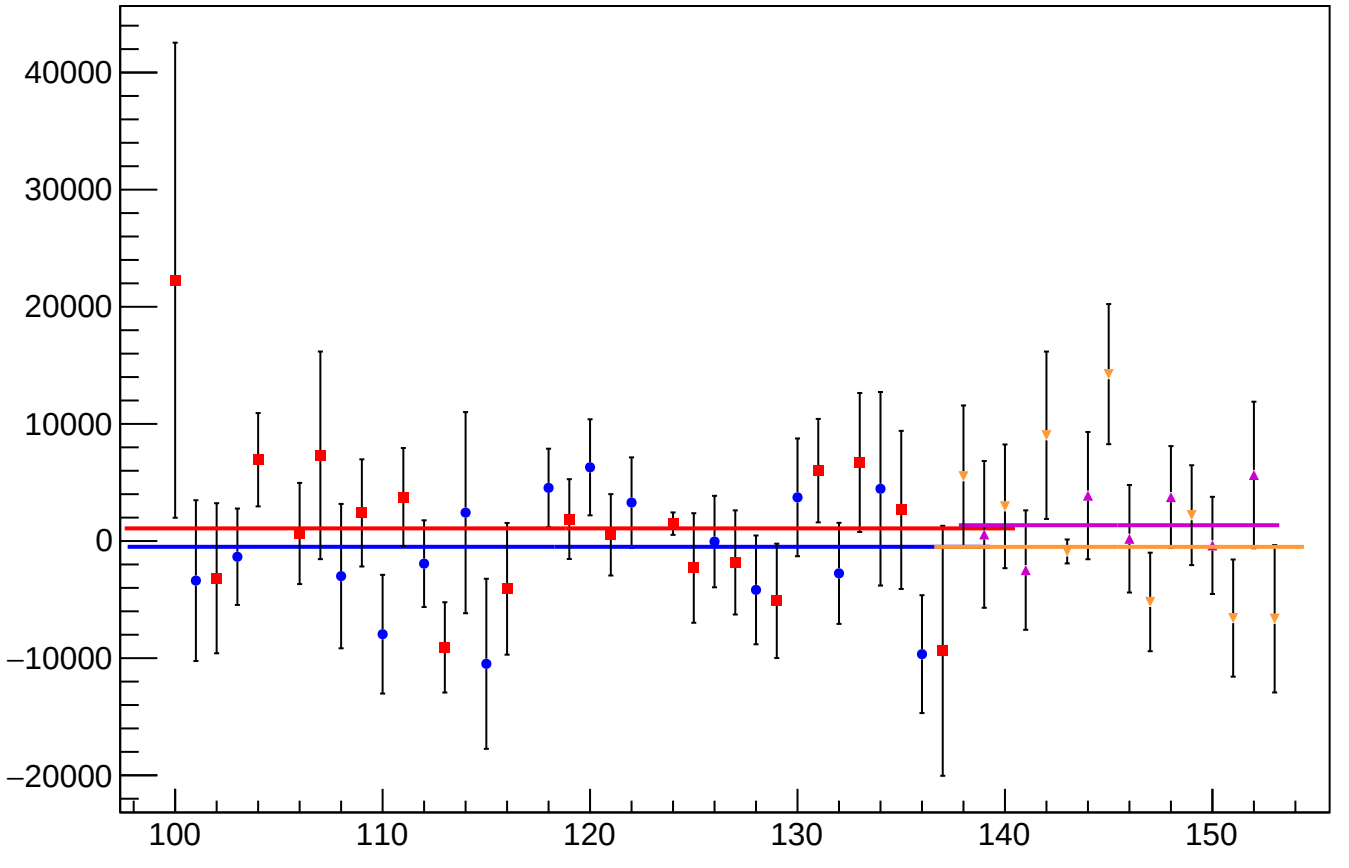
Left: 1933.027+/-0.378 χ^2/NDF: 248463.9/15

Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1817.228+/-0.357 χ^2/NDF:728666.4/22

Out: 1840.068+/-0.348 χ^2/NDF:619527.9/27

All: 1828.938+/-0.249 χ^2/NDF: 1350298.4/50



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -498.404+/-896.516 χ^2/NDF:13.5/8

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 1350.577+/-1884.046 χ^2/NDF:1.8/6

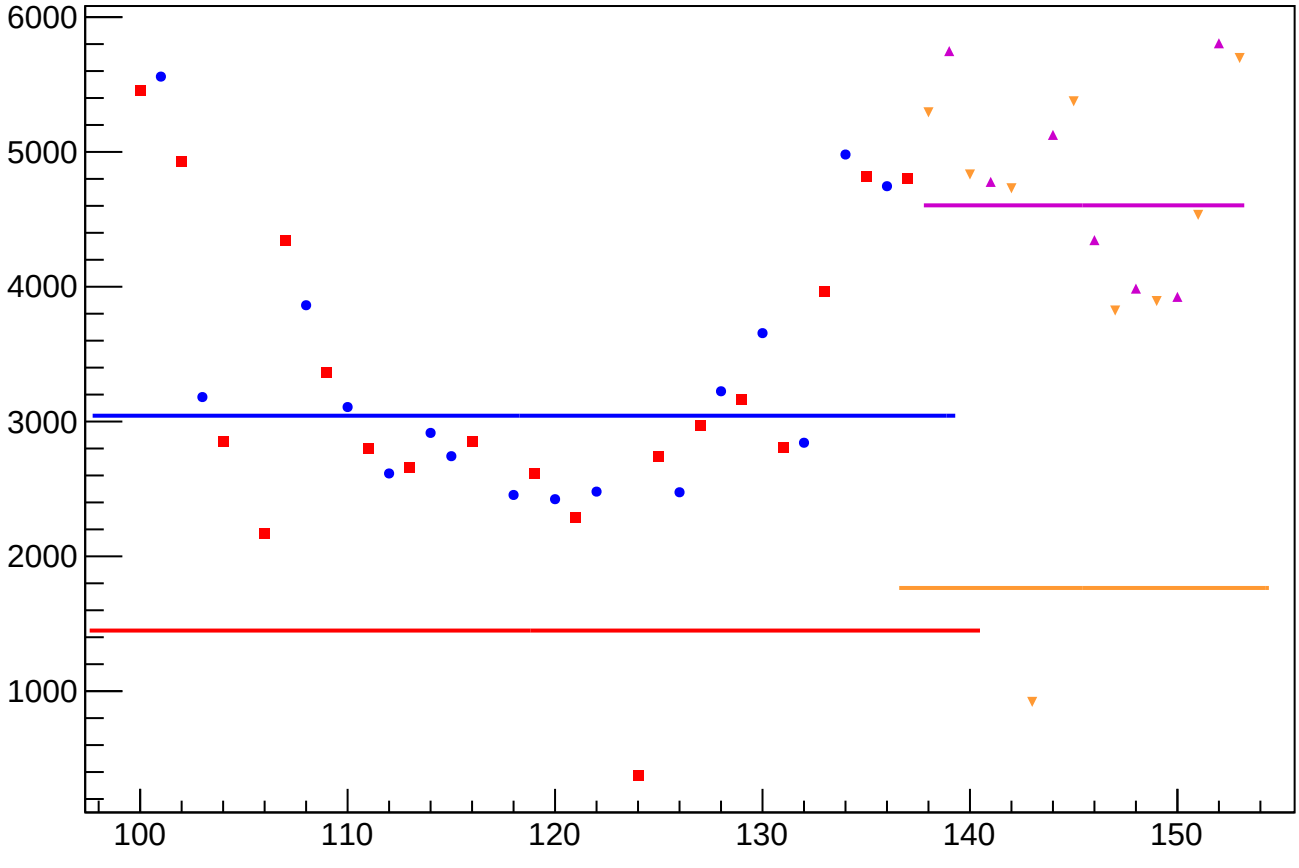
Left: -157.036+/-809.537 χ^2/NDF: 16.1/15

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: 22.205+/-995.923 χ^2/NDF:18.5/22

Out: 449.757+/-566.754 χ^2/NDF:33.8/27

All: 345.167+/-492.579 χ^2/NDF: 52.4/50



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 1765.476+/-0.634 χ^2/NDF:6164399.9/8

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 4603.728+/-1.332 χ^2/NDF:261568.4/6

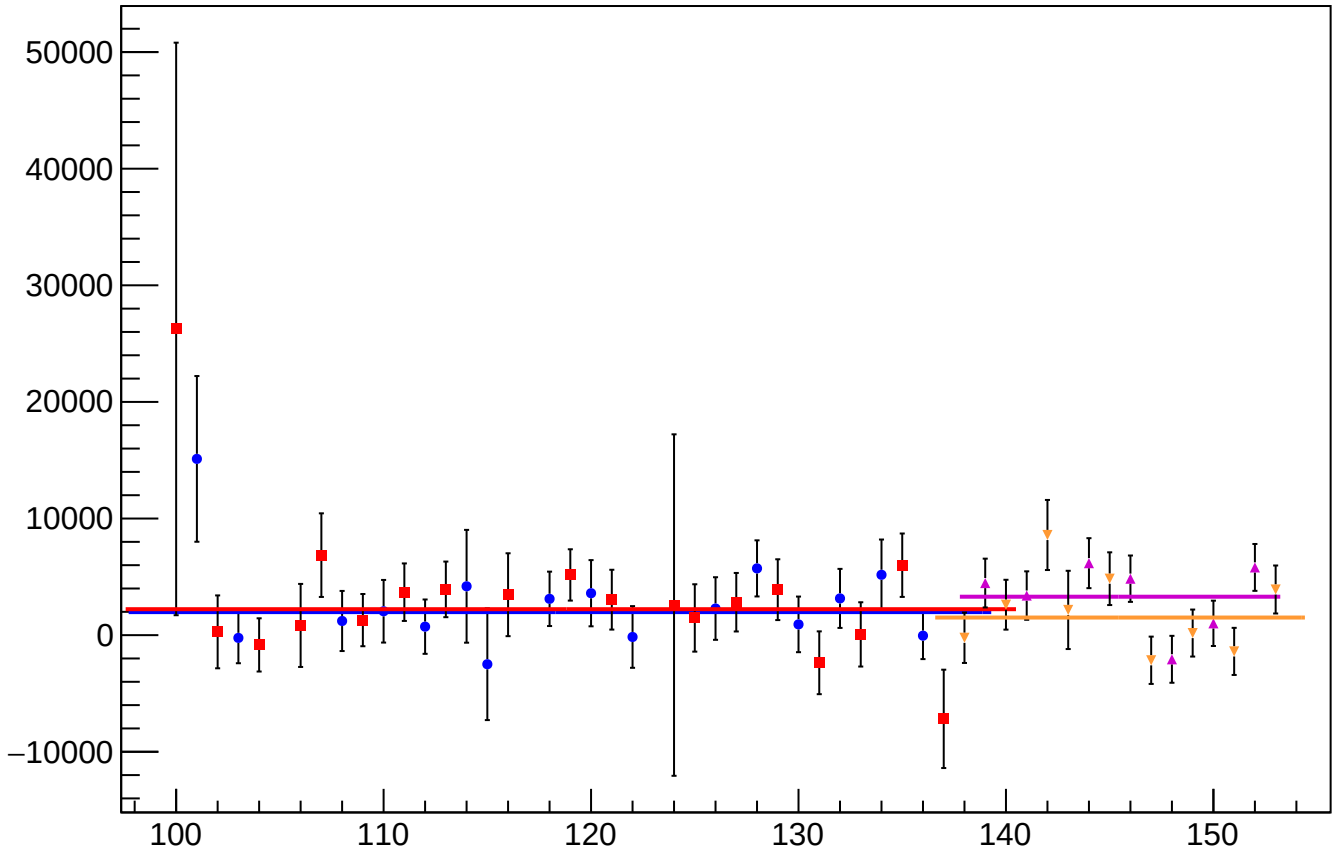
Left: 2289.489+/-0.572 χ^2/NDF: 10126858.4/15

Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3479.304+/-0.704 χ^2/NDF:2155847.8/22

Out: 1575.787+/-0.401 χ^2/NDF:13139254.4/27

All: 2041.434+/-0.348 χ^2/NDF: 20814035.1/5



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1510.171+/-745.510 χ^2/NDF:15.8/8

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 3296.485+/-769.037 χ^2/NDF:12.8/6

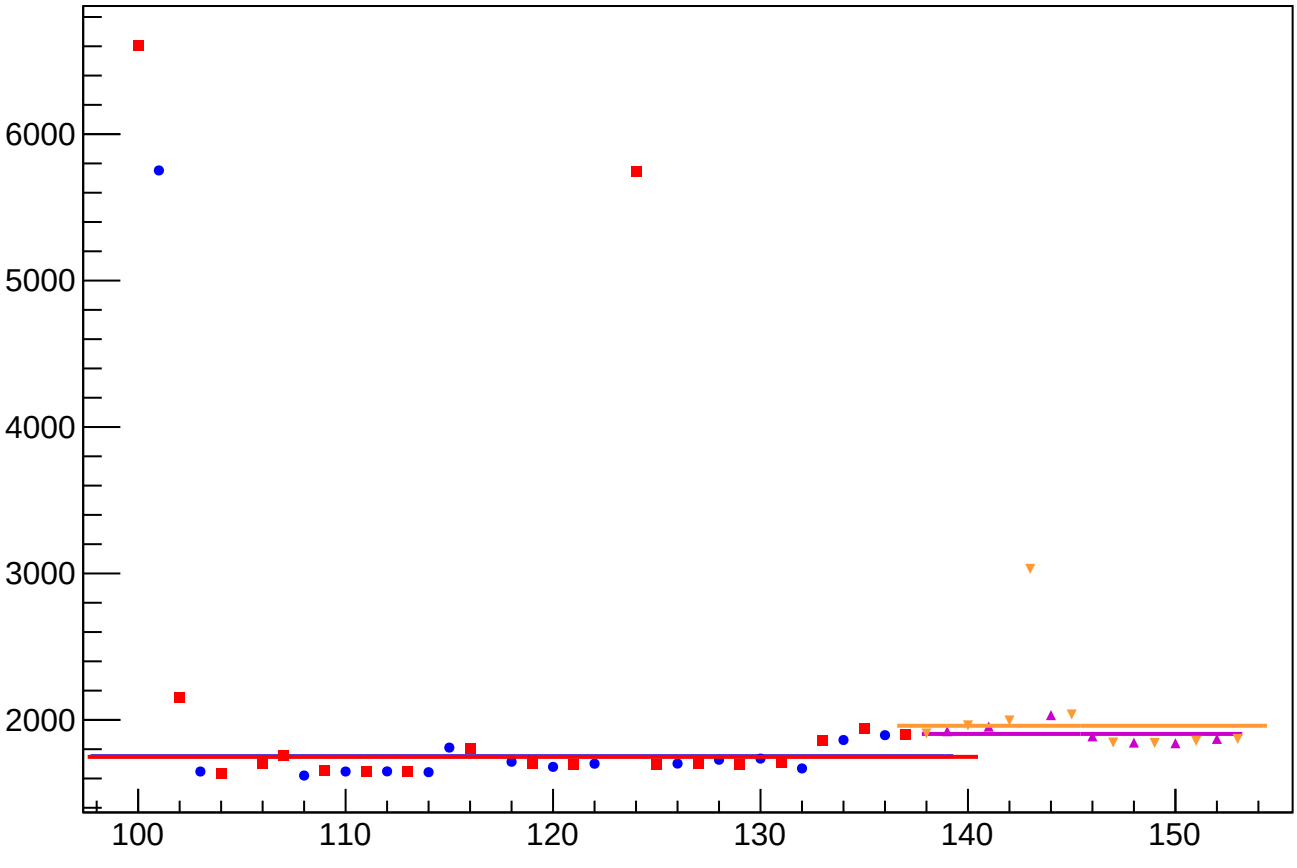
Left: 2375.586+/-535.279 χ^2/NDF: 31.4/15

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2543.545+/-504.188 χ^2/NDF:26.6/22

Out: 1913.614+/-492.605 χ^2/NDF:35.3/27

All: 2221.261+/-352.348 χ^2/NDF: 62.7/50



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1960.044+/-0.527 χ^2/NDF:229971.0/8

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1904.279+/-0.544 χ^2/NDF:13071.4/6

Left: 1933.027+/-0.378 χ^2/NDF: 248463.9/15

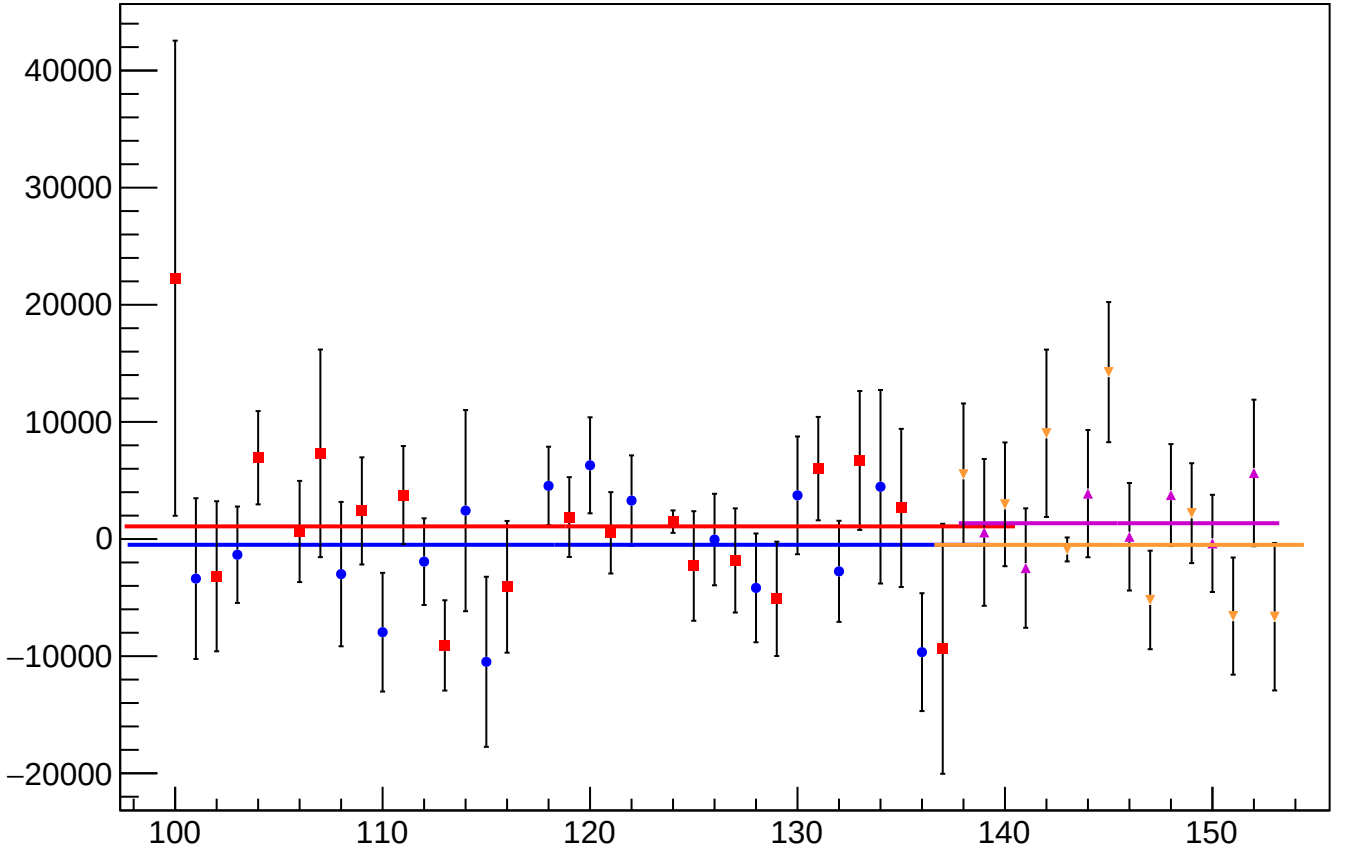
Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1817.228+/-0.357 χ^2/NDF:728666.4/22

Out: 1840.068+/-0.348 χ^2/NDF:619527.9/27

All: 1828.938+/-0.249 χ^2/NDF: 1350298.4/50

asym_atr1l2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -498.404+/-896.516 χ^2/NDF:13.5/8

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 1350.577+/-1884.046 χ^2/NDF:1.8/6

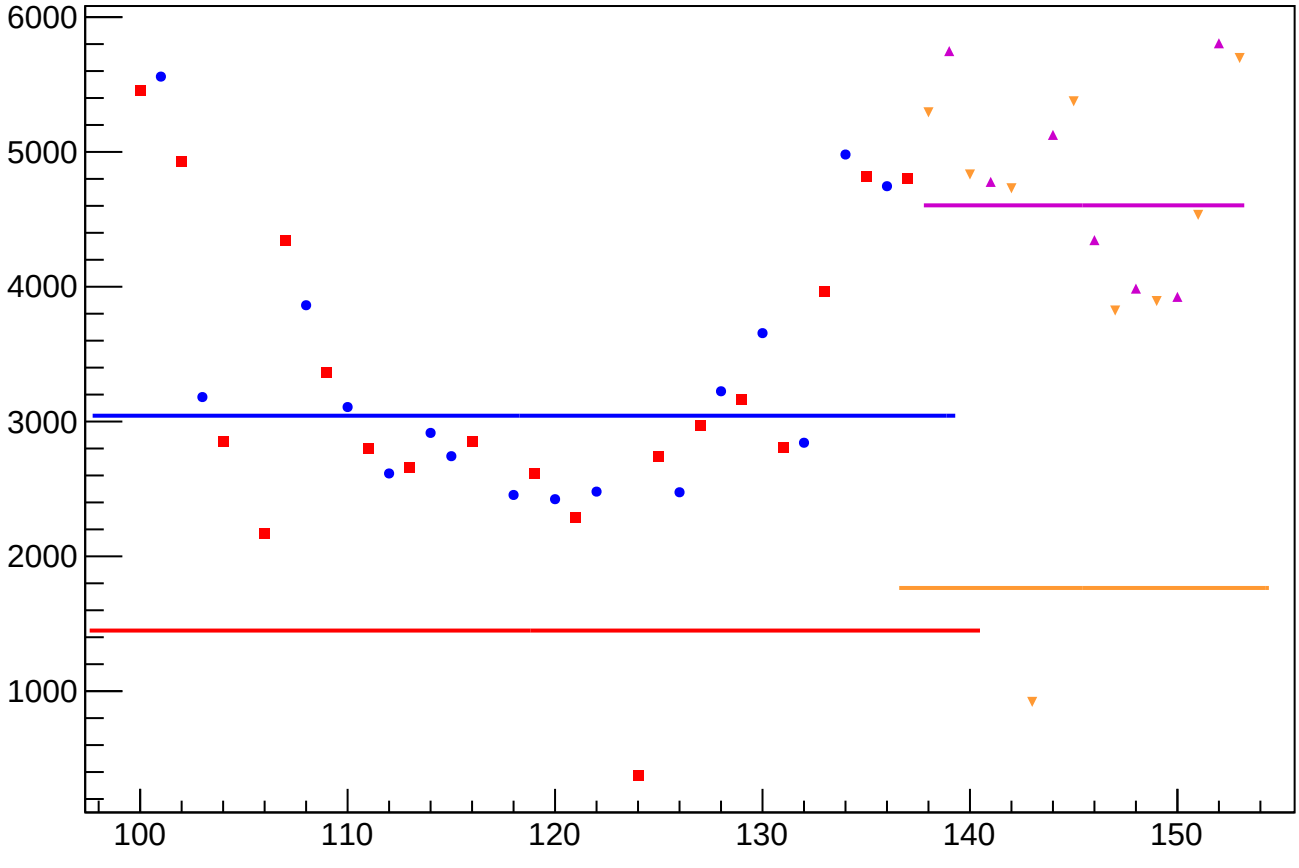
Left: -157.036+/-809.537 χ^2/NDF: 16.1/15

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: 22.205+/-995.923 χ^2/NDF:18.5/22

Out: 449.757+/-566.754 χ^2/NDF:33.8/27

All: 345.167+/-492.579 χ^2/NDF: 52.4/50



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 1765.476+/-0.634 χ^2/NDF:6164399.9/8

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 4603.728+/-1.332 χ^2/NDF:261568.4/6

Left: 2289.489+/-0.572 χ^2/NDF: 10126858.4/15

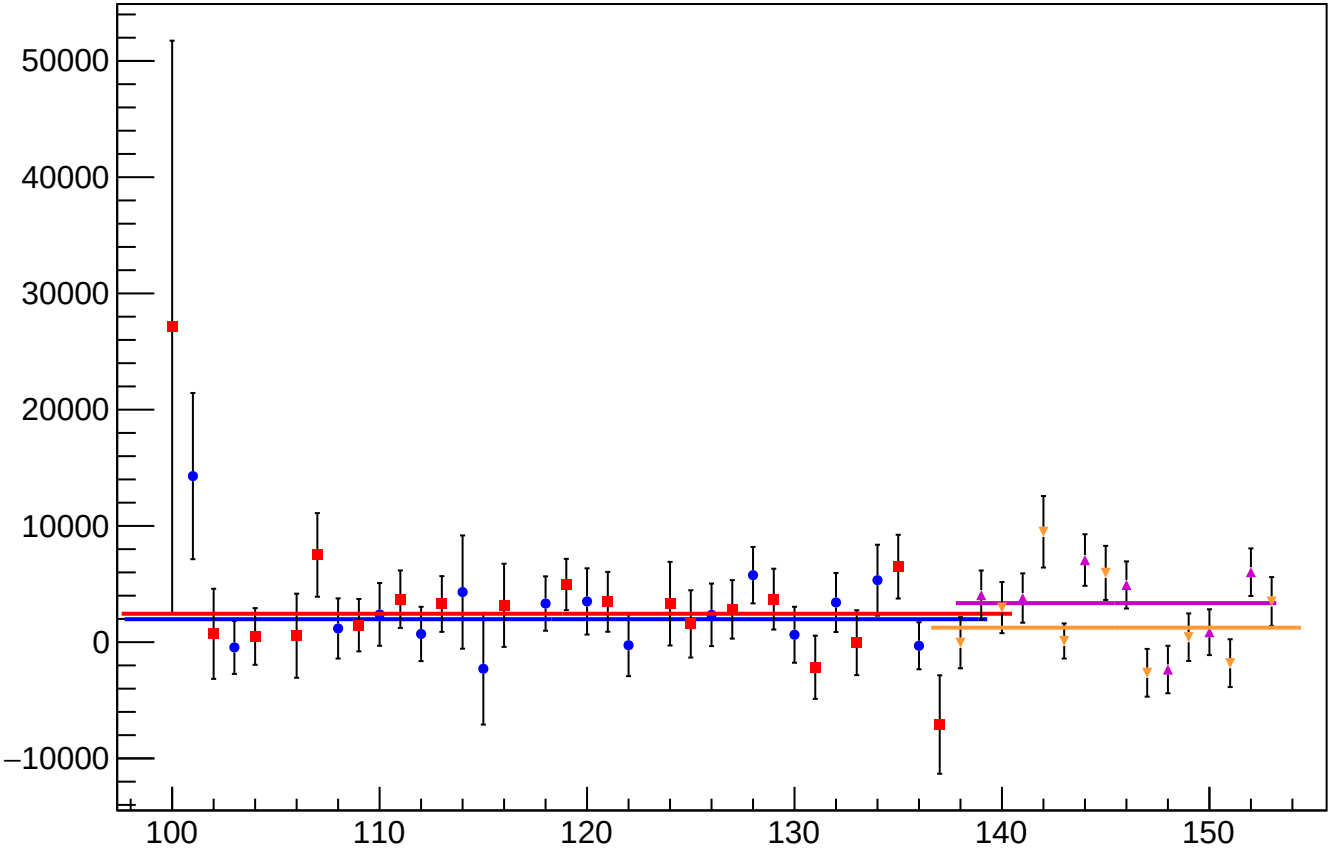
Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3479.304+/-0.704 χ^2/NDF:2155847.8/22

Out: 1575.787+/-0.401 χ^2/NDF:13139254.4/27

All: 2041.434+/-0.348 χ^2/NDF: 20814035.1/5

dit_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1247.538+/-692.879 χ^2/NDF:19.9/8

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 3361.276+/-783.734 χ^2/NDF:14.7/6

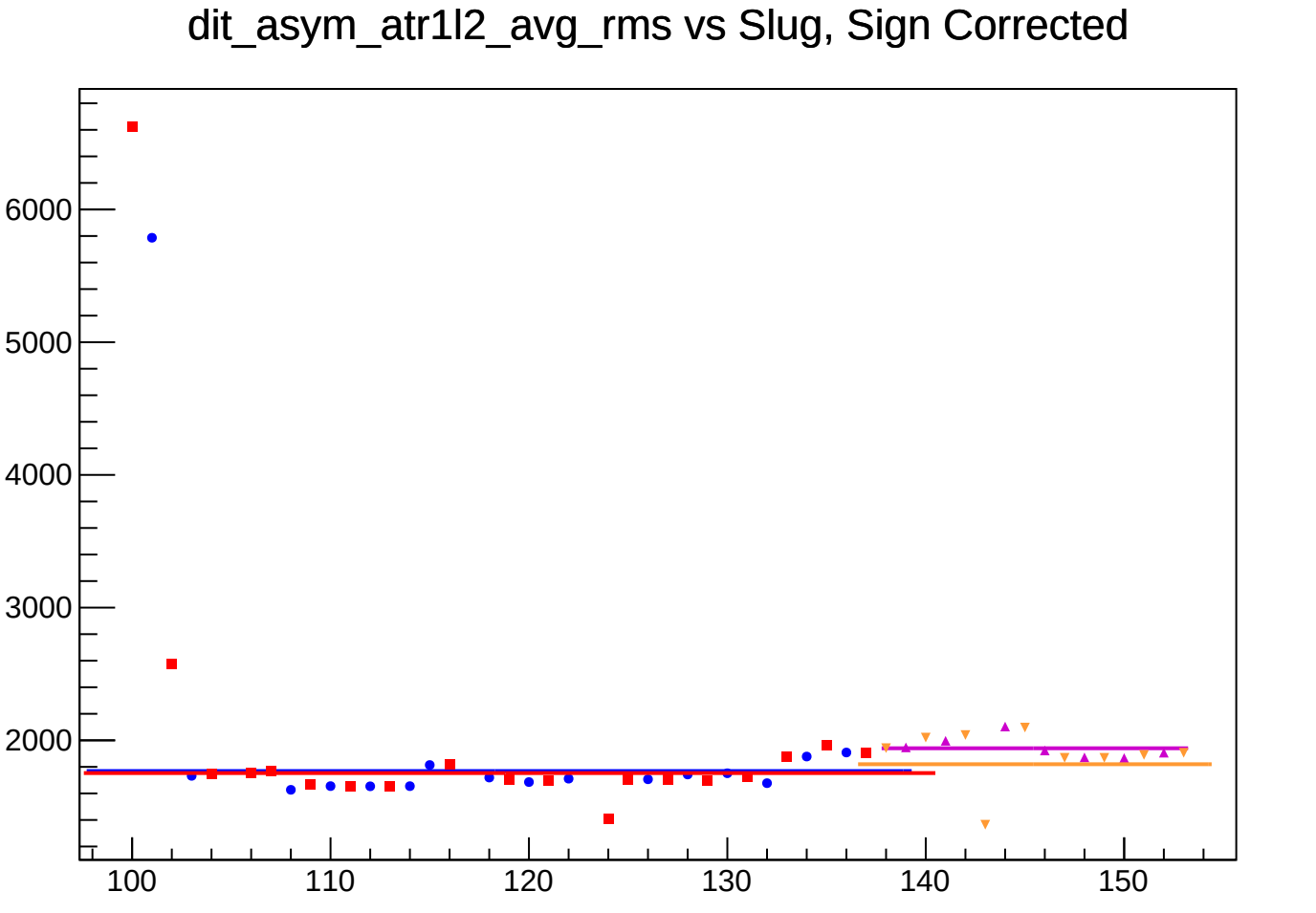
Left: 2174.841+/-519.103 χ^2/NDF: 38.7/15

Right: 2215.770+/-470.744 χ^2/NDF: 30.1/34

In: 2564.920+/-511.058 χ^2/NDF:28.9/22

Out: 1877.033+/-477.009 χ^2/NDF:39.0/27

All: 2197.300+/-348.713 χ^2/NDF: 68.8/50



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1820.000+/-0.490 χ^2/NDF:251217.1/8

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

Left In: 1940.184+/-0.554 χ^2/NDF:18042.3/6

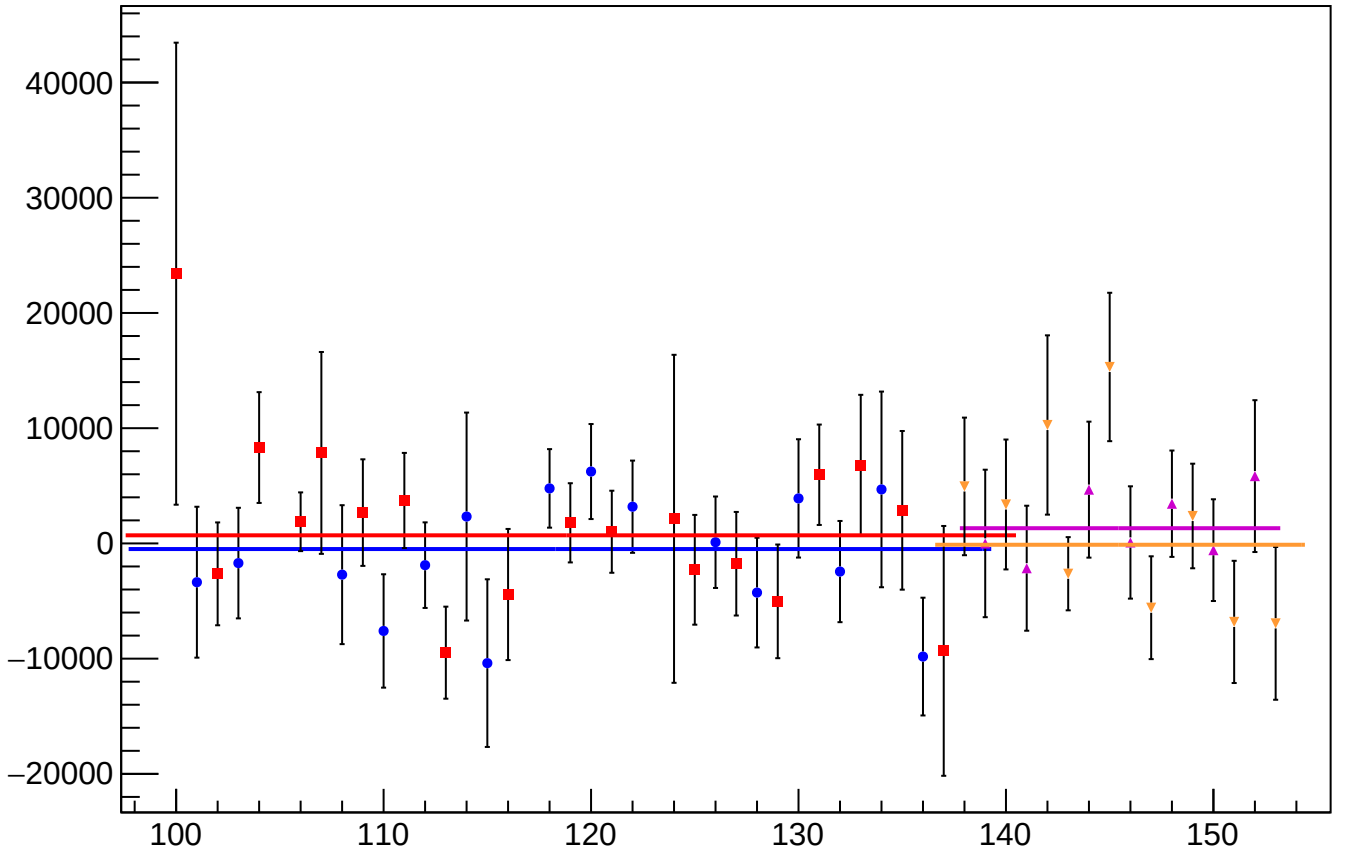
Left: 1872.725+/-0.367 χ^2/NDF: 295657.7/15

Right: 1760.725+/-0.332 χ^2/NDF: 886747.1/34

In: 1841.490+/-0.361 χ^2/NDF:740587.2/22

Out: 1784.868+/-0.337 χ^2/NDF:479831.5/27

All: 1811.191+/-0.246 χ^2/NDF: 1233555.9/50



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: -116.216+/-1675.103 χ^2/NDF:13.7/8

Right Out: 703.324+/-1069.467 χ^2/NDF: 18.8/18

Left In: 1320.207+/-1997.895 χ^2/NDF:1.7/6

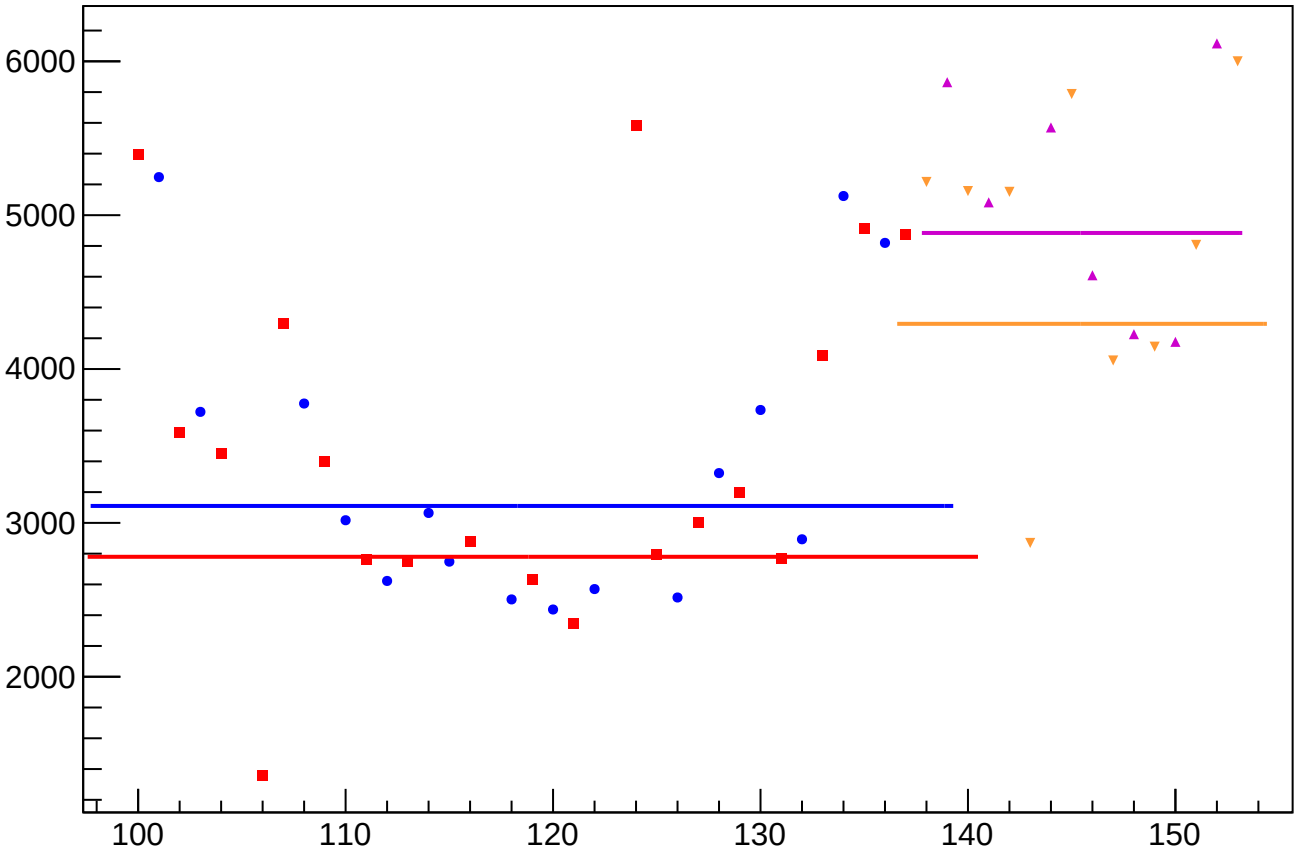
Left: 476.727+/-1283.624 χ^2/NDF: 15.7/15

Right: 175.178+/-797.963 χ^2/NDF: 35.1/34

In: -9.569+/-1027.763 χ^2/NDF:18.1/22

Out: 466.002+/-901.416 χ^2/NDF:32.7/27

All: 259.229+/-677.690 χ^2/NDF: 50.9/50



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4293.772+/-1.184 χ^2/NDF:787596.3/8

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

Left In: 4884.448+/-1.413 χ^2/NDF:244912.9/6

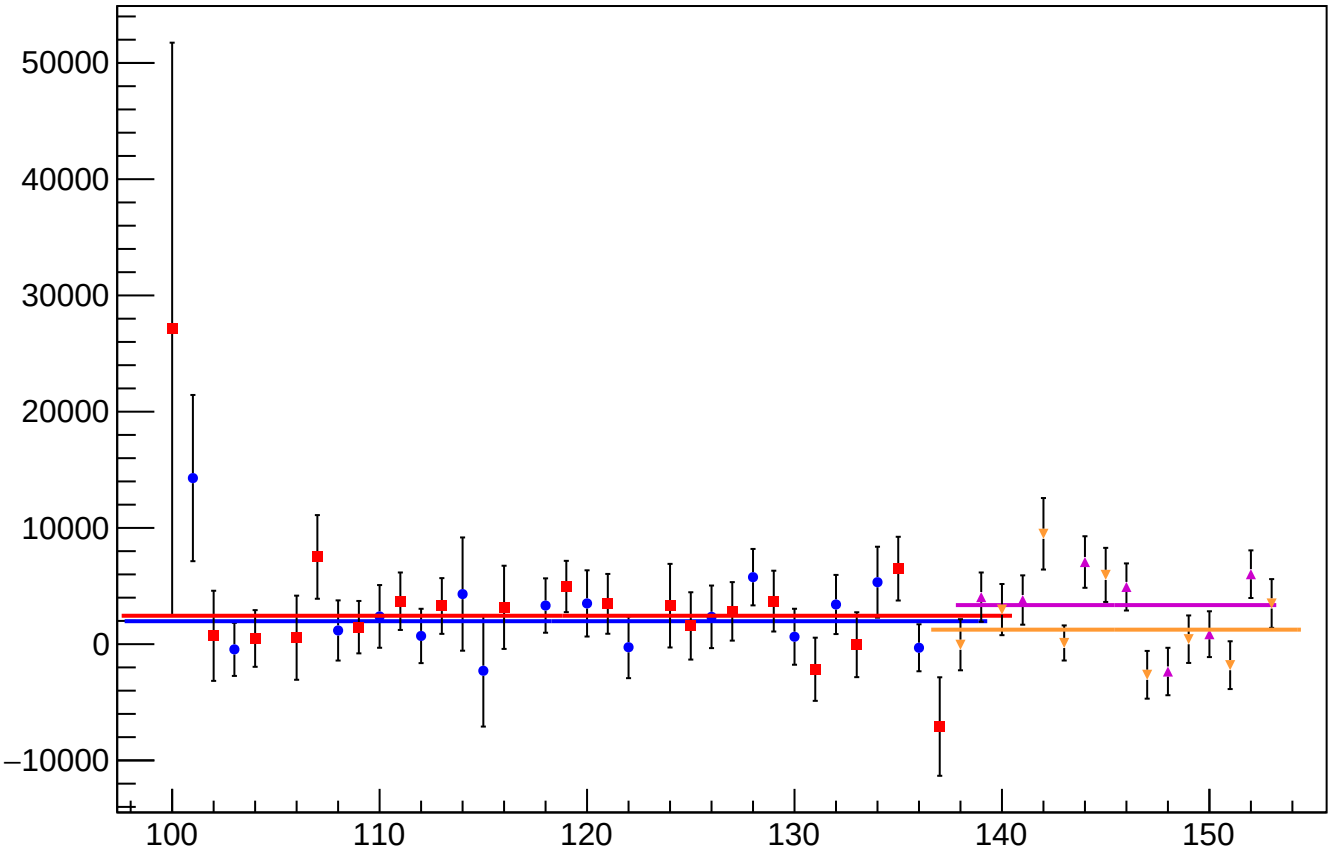
Left: 4537.598+/-0.908 χ^2/NDF: 1135163.3/15

Right: 2926.138+/-0.564 χ^2/NDF: 2316074.2/34

In: 3579.671+/-0.727 χ^2/NDF:2288159.3/22

Out: 3218.094+/-0.637 χ^2/NDF:3296640.5/27

All: 3375.303+/-0.479 χ^2/NDF: 5724712.7/50



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1247.541+/-692.879 χ^2/NDF:19.9/8

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 3361.276+/-783.734 χ^2/NDF:14.7/6

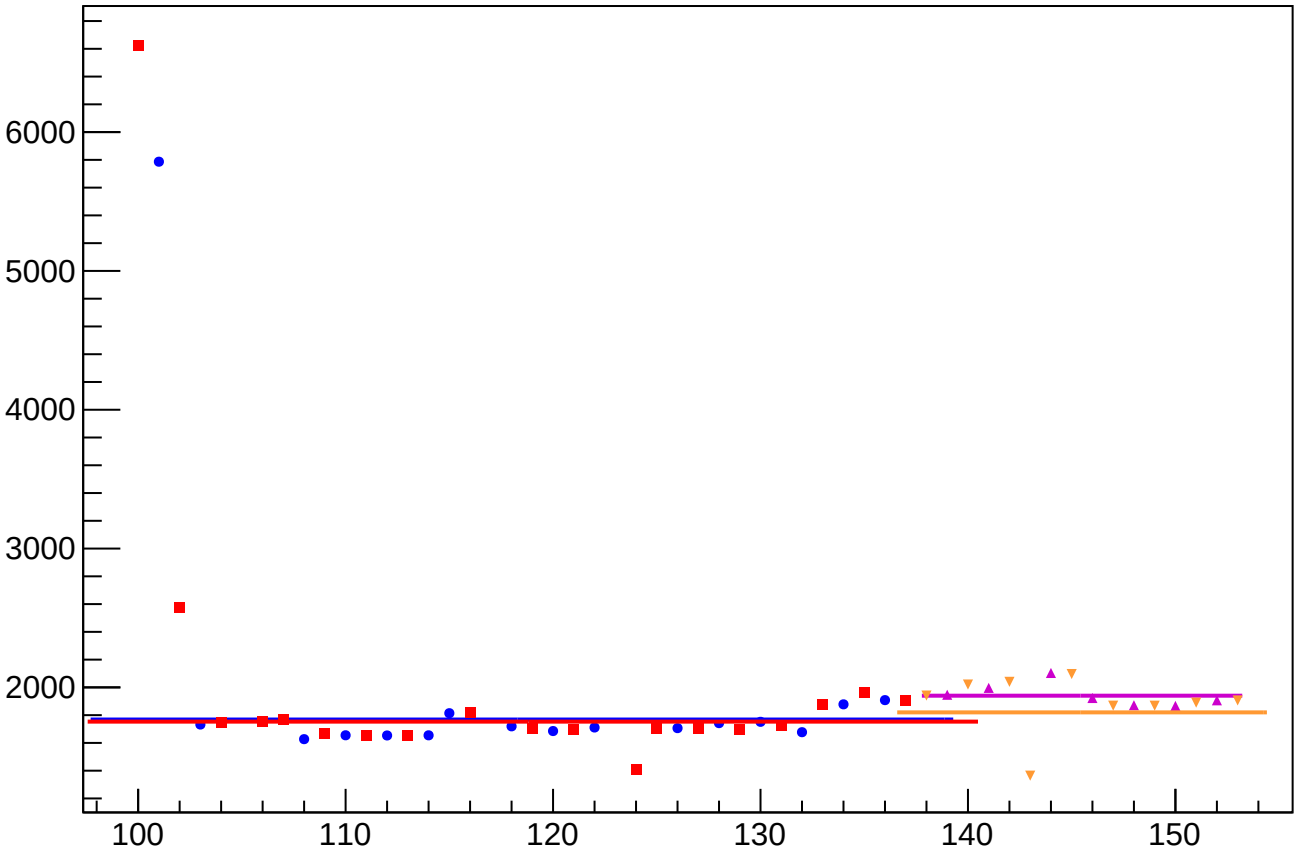
Left: 2174.842+/-519.103 χ^2/NDF: 38.7/15

Right: 2215.771+/-470.744 χ^2/NDF: 30.1/34

In: 2564.921+/-511.058 χ^2/NDF:28.9/22

Out: 1877.035+/-477.009 χ^2/NDF:39.0/27

All: 2197.301+/-348.713 χ^2/NDF: 68.8/50



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1820.001+/-0.490 χ^2/NDF:251218.1/8

Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1940.185+/-0.554 χ^2/NDF:18042.6/6

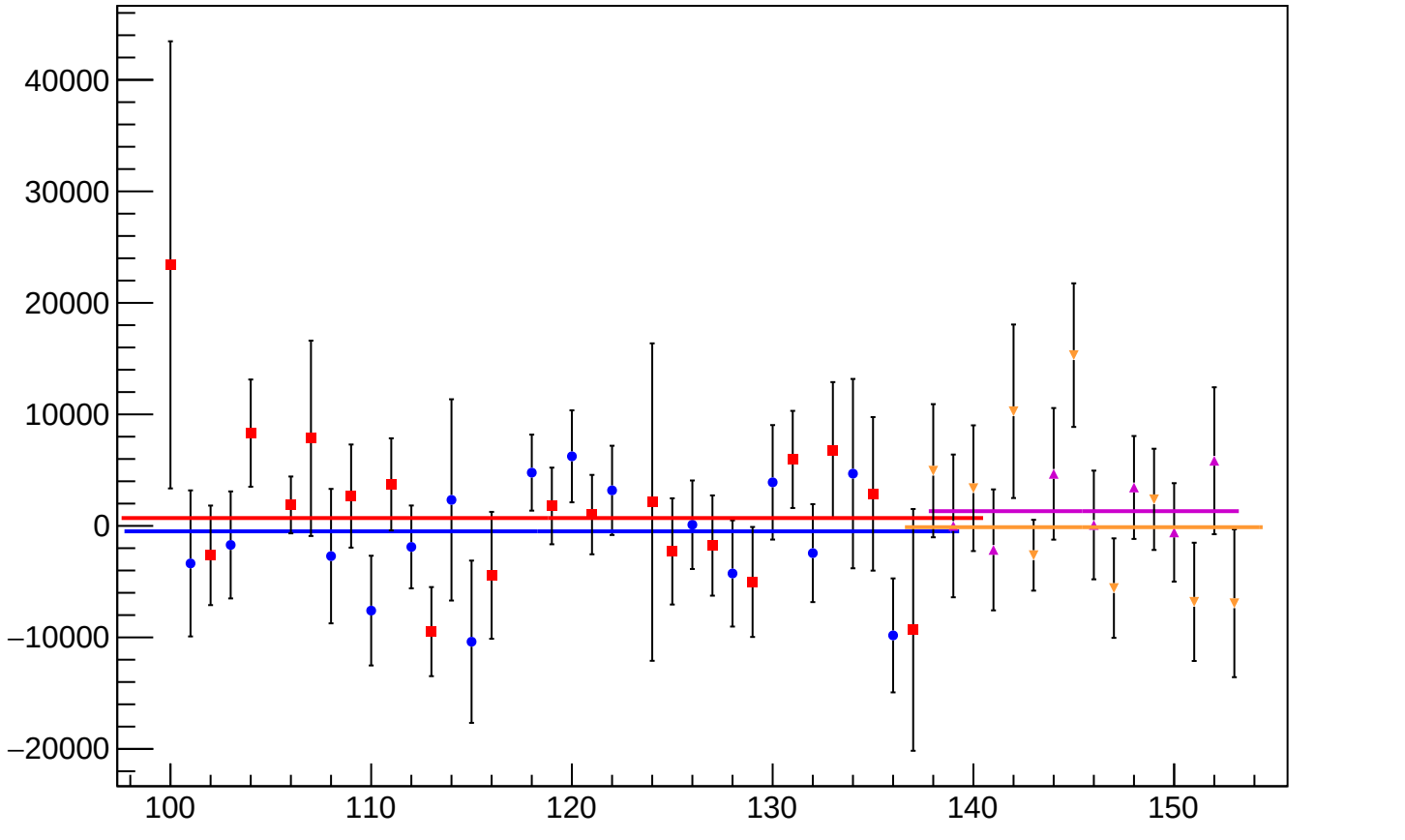
Left: 1872.726+/-0.367 χ^2/NDF: 295659.2/15

Right: 1760.725+/-0.332 χ^2/NDF: 886747.0/34

In: 1841.490+/-0.361 χ^2/NDF:740588.0/22

Out: 1784.868+/-0.337 χ^2/NDF:479832.7/27

All: 1811.191+/-0.246 χ^2/NDF: 1233558.1/50



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: -116.222+/-1675.105 χ^2/NDF:13.7/8

Right Out: 703.325+/-1069.463 χ^2/NDF: 18.8/18

Left In: 1320.209+/-1997.897 χ^2/NDF:1.7/6

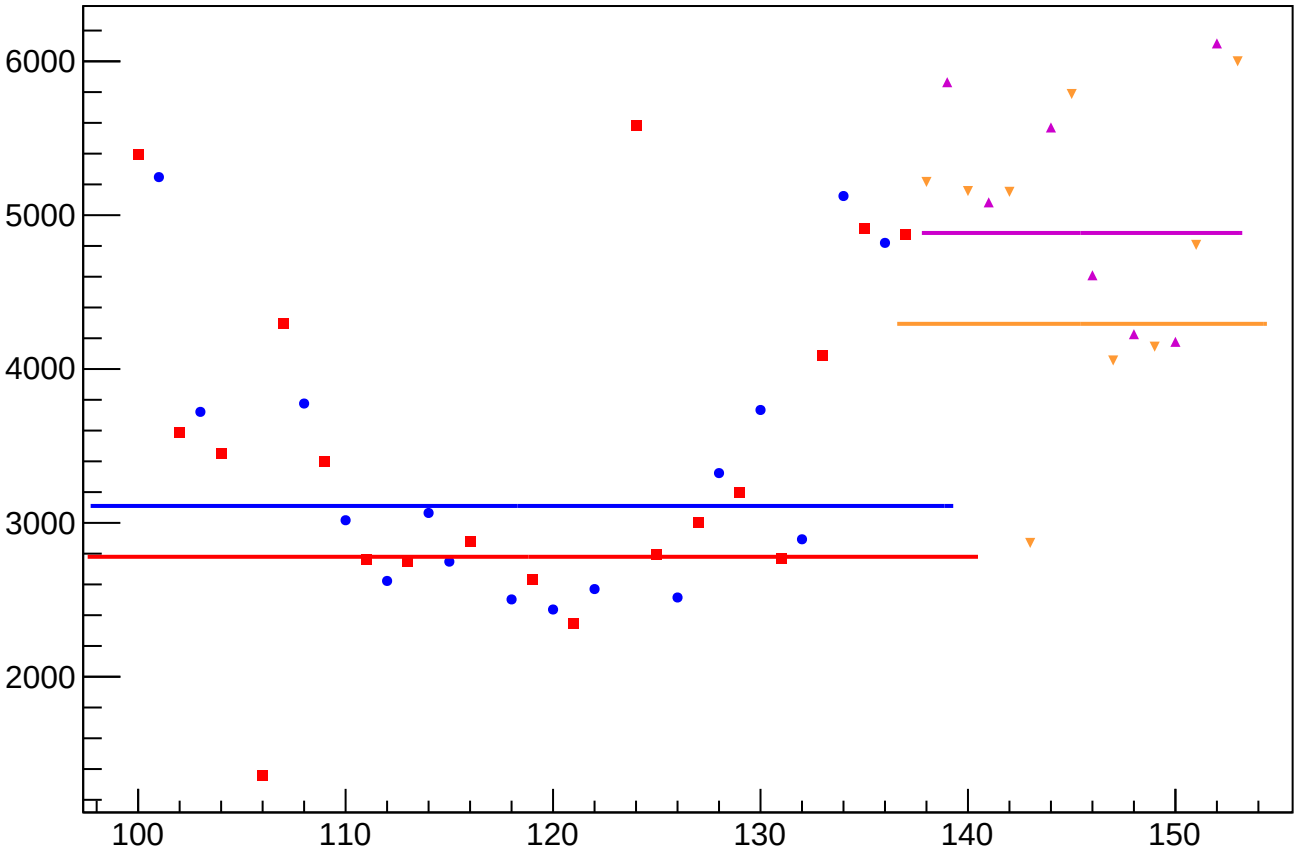
Left: 476.724+/-1283.625 χ^2/NDF: 15.7/15

Right: 175.182+/-797.960 χ^2/NDF: 35.1/34

In: -9.567+/-1027.760 χ^2/NDF:18.1/22

Out: 466.003+/-901.414 χ^2/NDF:32.7/27

All: 259.231+/-677.689 χ^2/NDF: 50.9/50



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4293.775+/-1.184 χ^2/NDF:787601.6/8

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

Left In: 4884.453+/-1.413 χ^2/NDF:244915.9/6

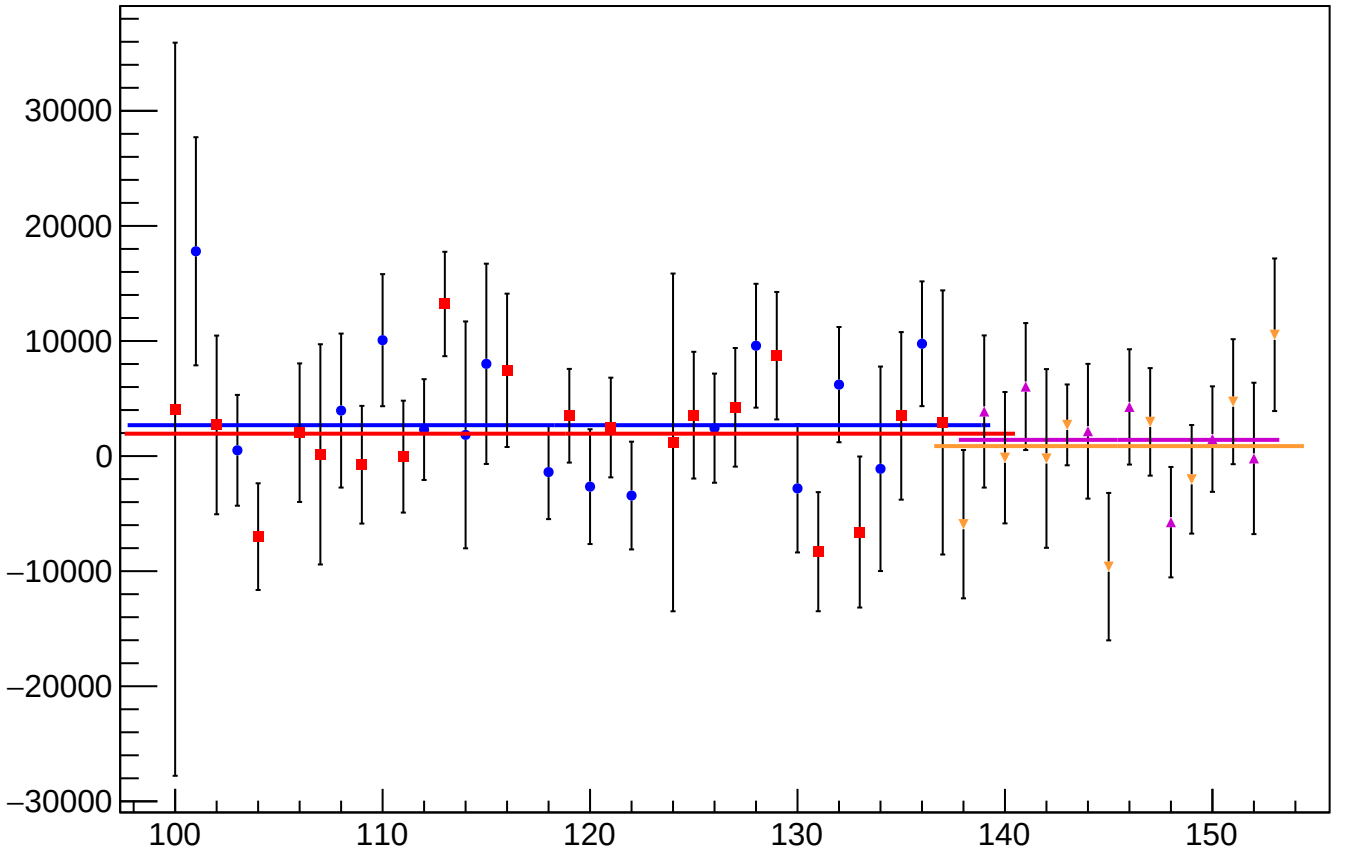
Left: 4537.602+/-0.908 χ^2/NDF: 1135172.0/15

Right: 2926.126+/-0.564 χ^2/NDF: 2316104.6/34

In: 3579.661+/-0.727 χ^2/NDF:2288193.2/22

Out: 3218.083+/-0.637 χ^2/NDF:3296690.3/27

All: 3375.292+/-0.479 χ^2/NDF: 5724798.1/50



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: 867.159+/-1756.353 χ^2/NDF:7.3/8

Right Out: 1945.685+/-1332.986 χ^2/NDF: 18.7/18

Left In: 1408.918+/-2046.025 χ^2/NDF:3.5/6

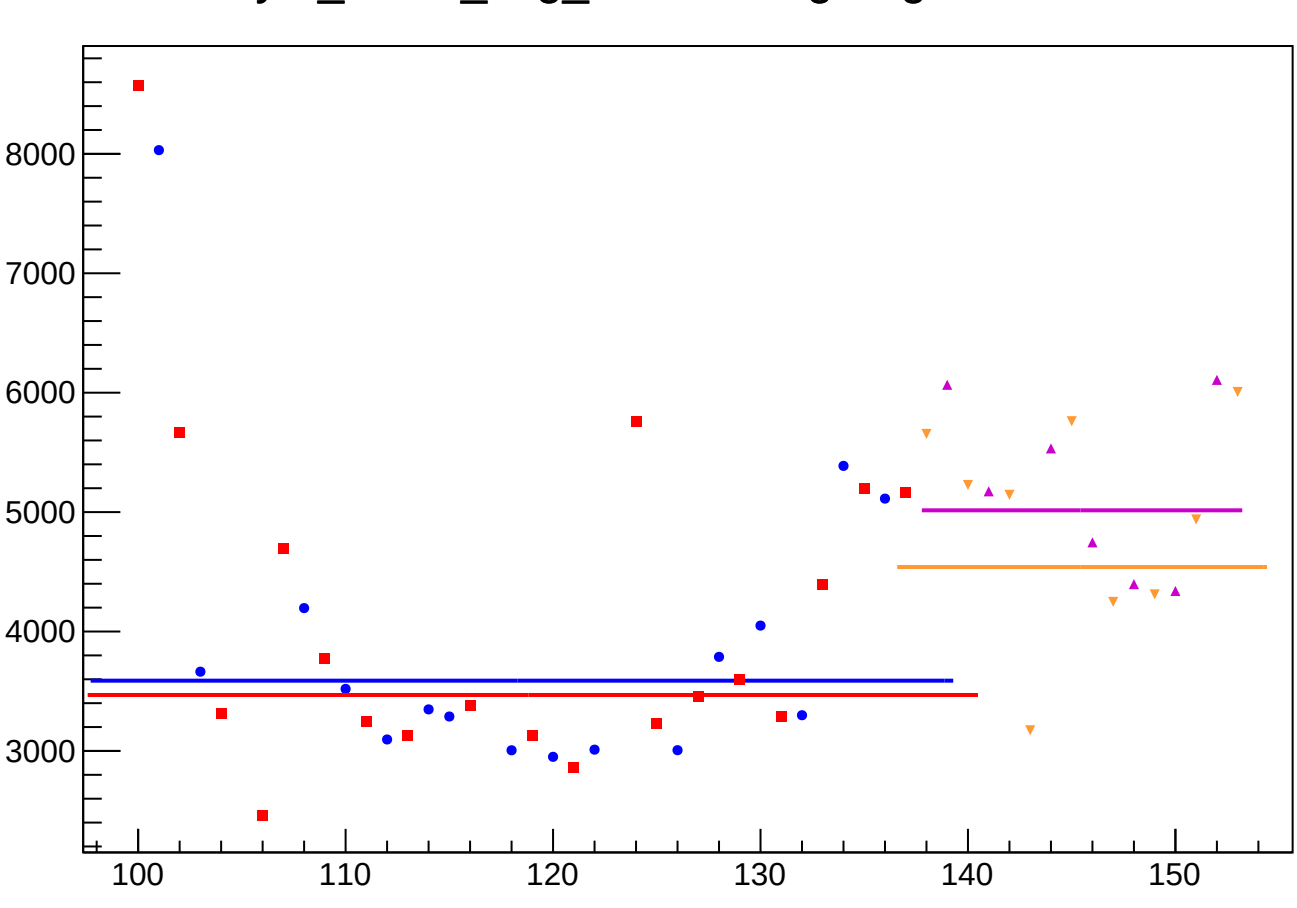
Left: 1097.004+/-1332.680 χ^2/NDF: 10.8/15

Right: 2302.760+/-958.722 χ^2/NDF: 32.3/34

In: 2286.320+/-1144.035 χ^2/NDF:17.2/22

Out: 1551.500+/-1061.809 χ^2/NDF:26.3/27

All: 1891.557+/-778.260 χ^2/NDF: 43.7/50



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 4540.069+/-1.242 χ^2/NDF:597786.4/8

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

Left In: 5015.031+/-1.447 χ^2/NDF:205470.6/6

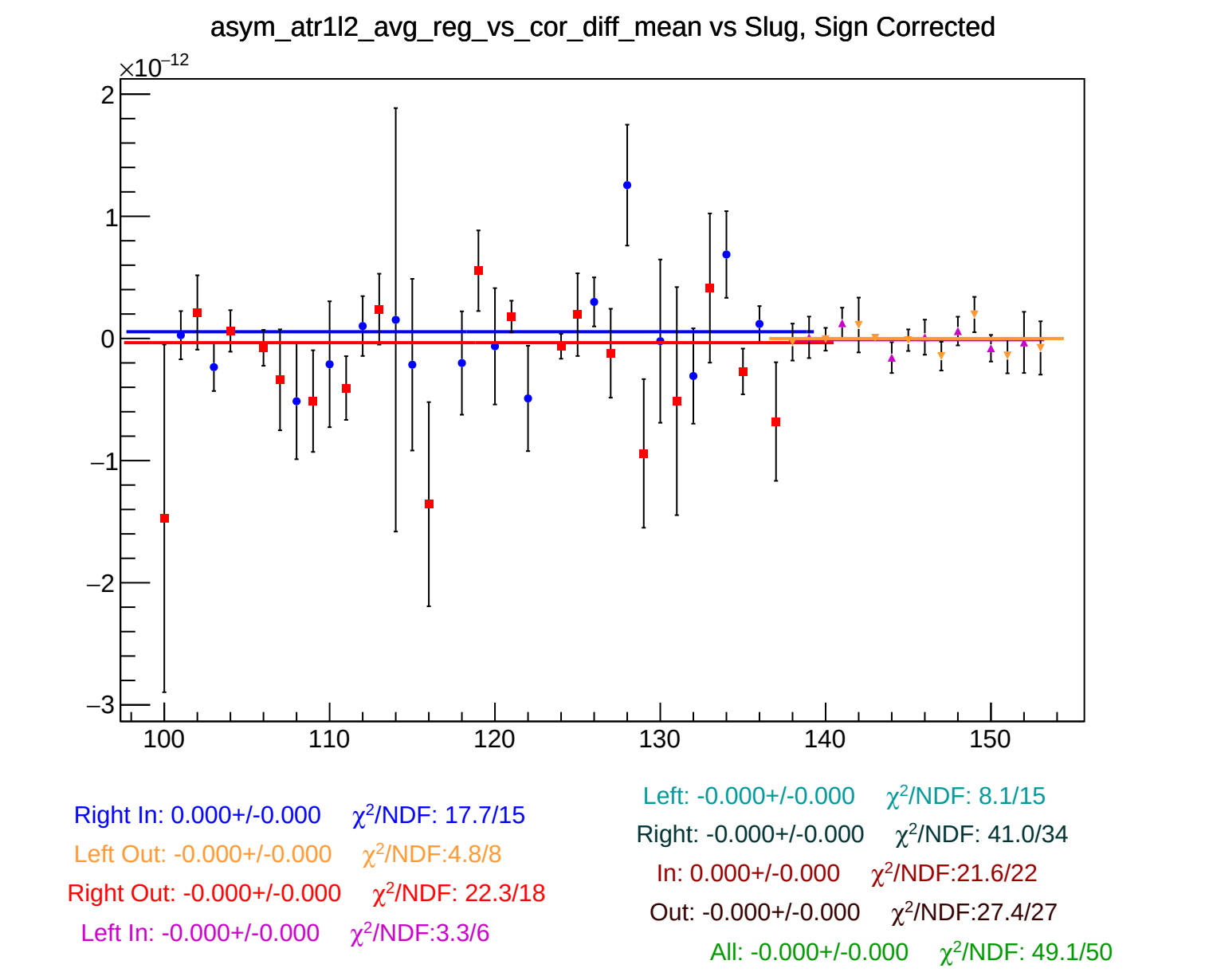
Left: 4741.575+/-0.942 χ^2/NDF: 865308.7/15

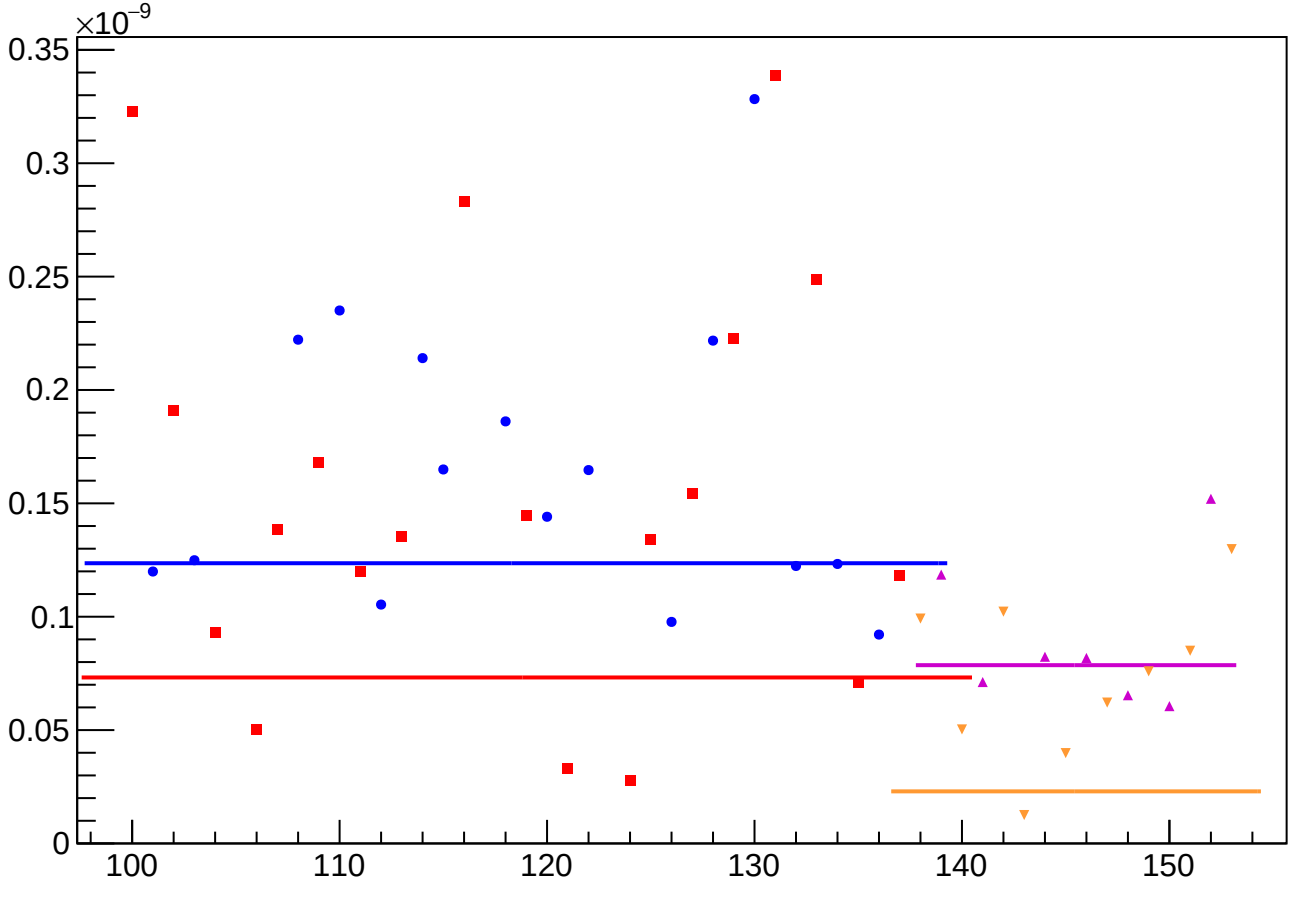
Right: 3525.541+/-0.673 χ^2/NDF: 1519674.0/34

In: 4034.454+/-0.809 χ^2/NDF:1719020.7/22

Out: 3852.648+/-0.744 χ^2/NDF:1741855.7/27

All: 3935.901+/-0.547 χ^2/NDF: 3488256.0/50


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
Right In: 0.000+/-0.000 χ²/NDF: 17.7/15
Left Out: -0.000+/-0.000 χ²/NDF:4.8/8
Right Out: -0.000+/-0.000 χ²/NDF: 22.3/18
Left In: -0.000+/-0.000 χ²/NDF:3.3/6
Left: -0.000+/-0.000 χ²/NDF: 8.1/15
Right: -0.000+/-0.000 χ²/NDF: 41.0/34
In: 0.000+/-0.000 χ²/NDF:21.6/22
Out: -0.000+/-0.000 χ²/NDF:27.4/27
All: -0.000+/-0.000 χ²/NDF: 49.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:2766155.0/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2188857.9/18

Left In: 0.000+/-0.000 χ^2/NDF:372192.6/6

Left: 0.000+/-0.000 χ^2/NDF: 5185340.5/15

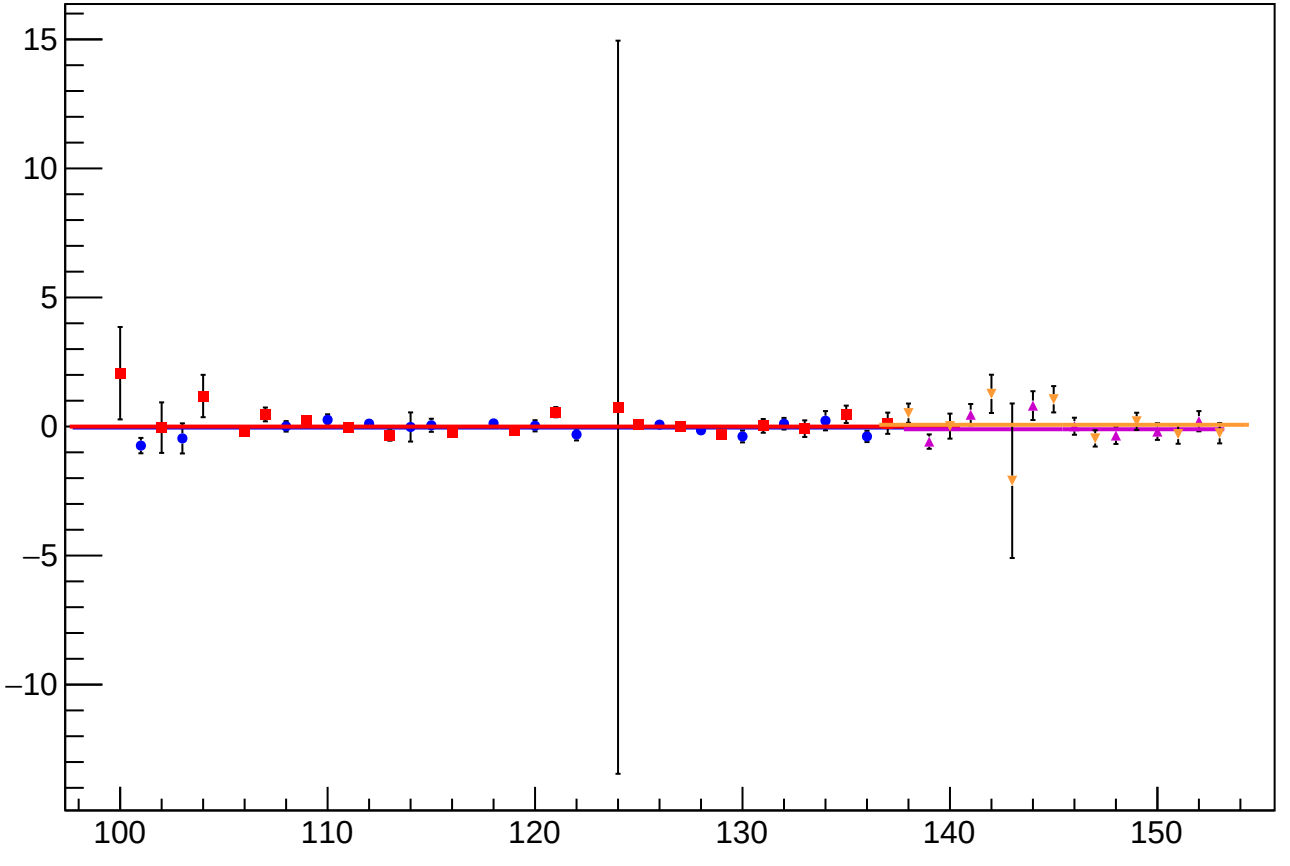
Right: 0.000+/-0.000 χ^2/NDF: 3471325.1/34

In: 0.000+/-0.000 χ^2/NDF:1541249.0/22

Out: 0.000+/-0.000 χ^2/NDF:6514209.2/27

All: 0.000+/-0.000 χ^2/NDF: 11955060.9/50

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: 0.066+/-0.142 χ^2/NDF:12.9/8

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.106+/-0.133 χ^2/NDF:8.8/6

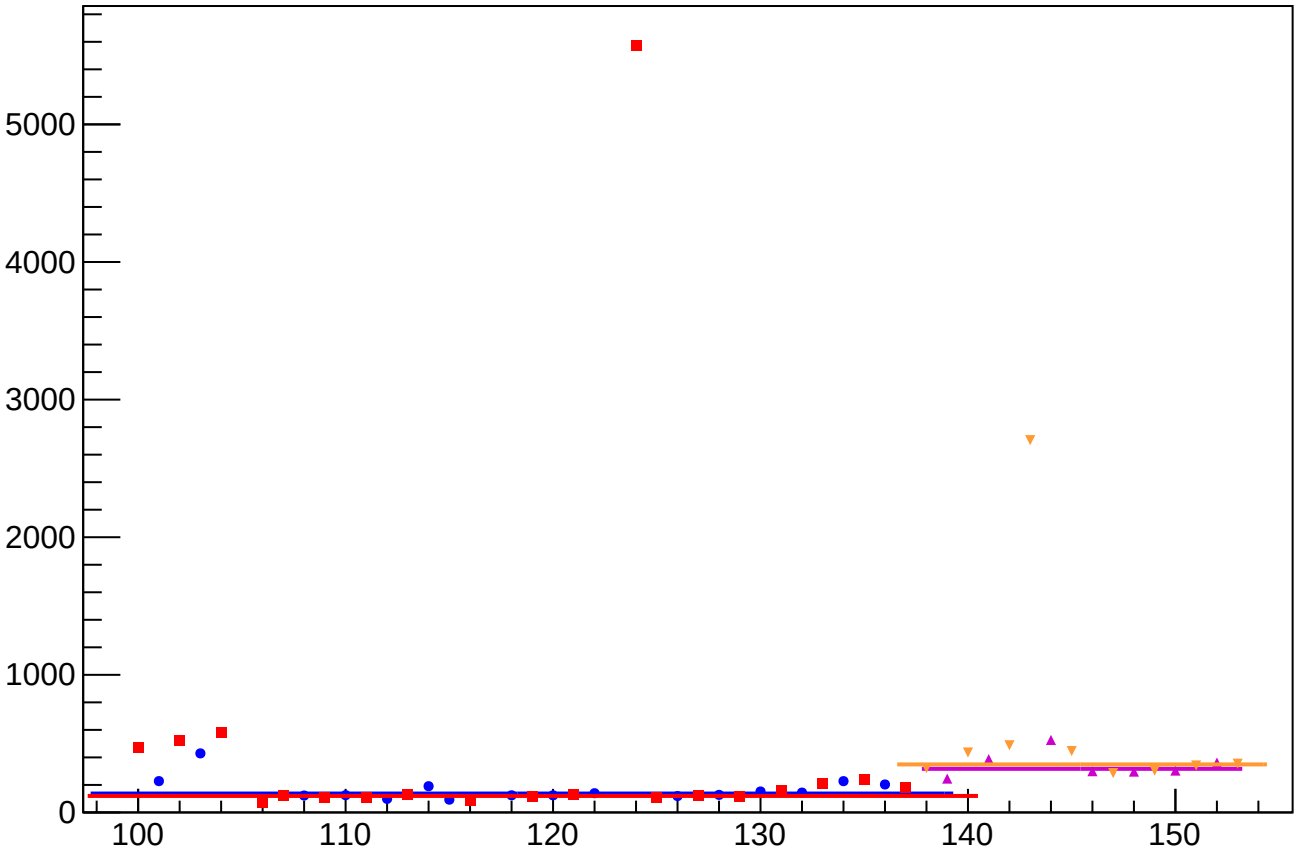
Left: -0.025+/-0.097 χ^2/NDF: 22.6/15

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.050+/-0.051 χ^2/NDF:27.0/22

Out: 0.005+/-0.048 χ^2/NDF:41.9/27

All: -0.020+/-0.035 χ^2/NDF: 69.4/50



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 349.093+/-0.100 χ^2/NDF:1573126.9/8

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 317.001+/-0.094 χ^2/NDF:513367.6/6

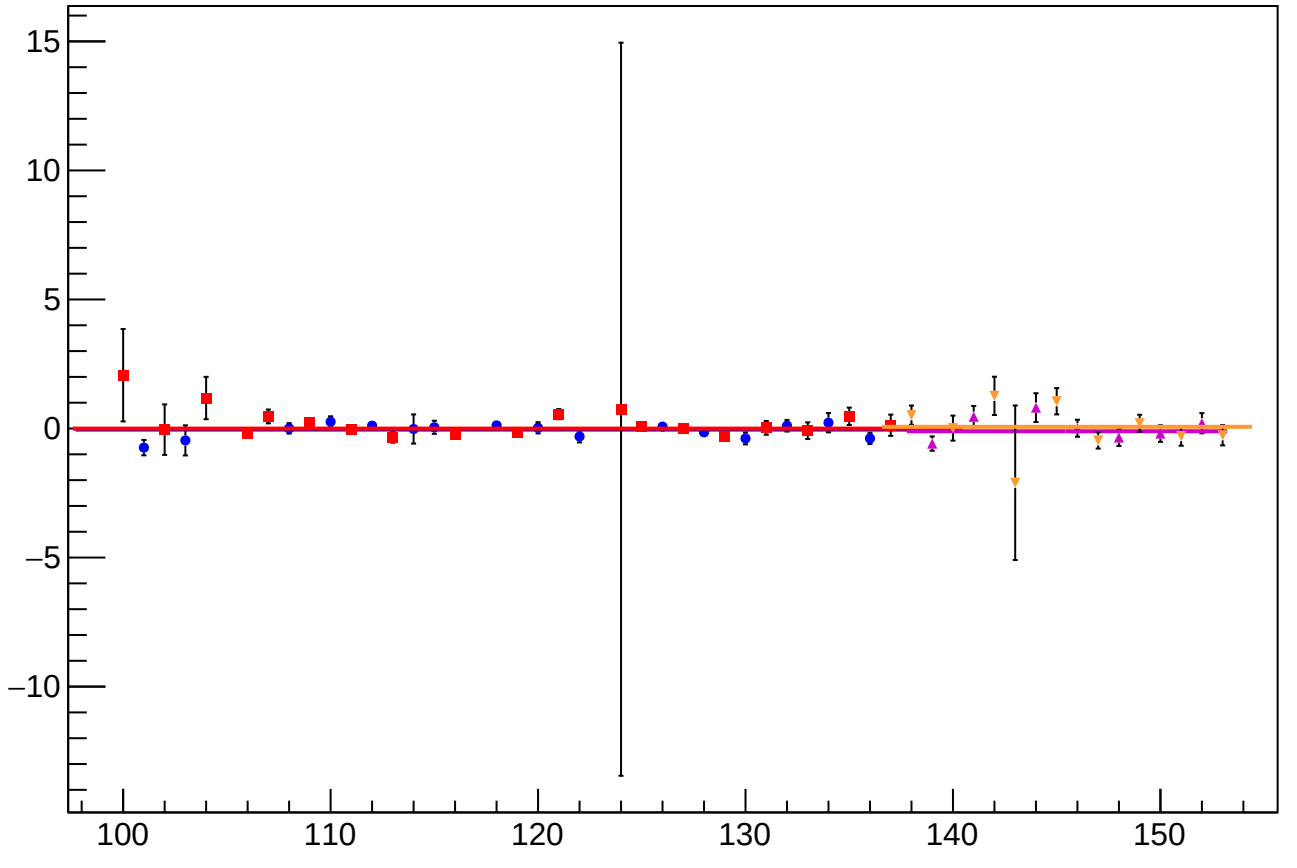
Left: 332.044+/-0.069 χ^2/NDF: 2141041.5/15

Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 164.283+/-0.036 χ^2/NDF:4880799.0/22

Out: 146.233+/-0.034 χ^2/NDF:8346352.6/27

All: 154.614+/-0.025 χ^2/NDF: 13358904.6/50



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: 0.066+/-0.142 χ^2/NDF:12.9/8

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.106+/-0.133 χ^2/NDF:8.8/6

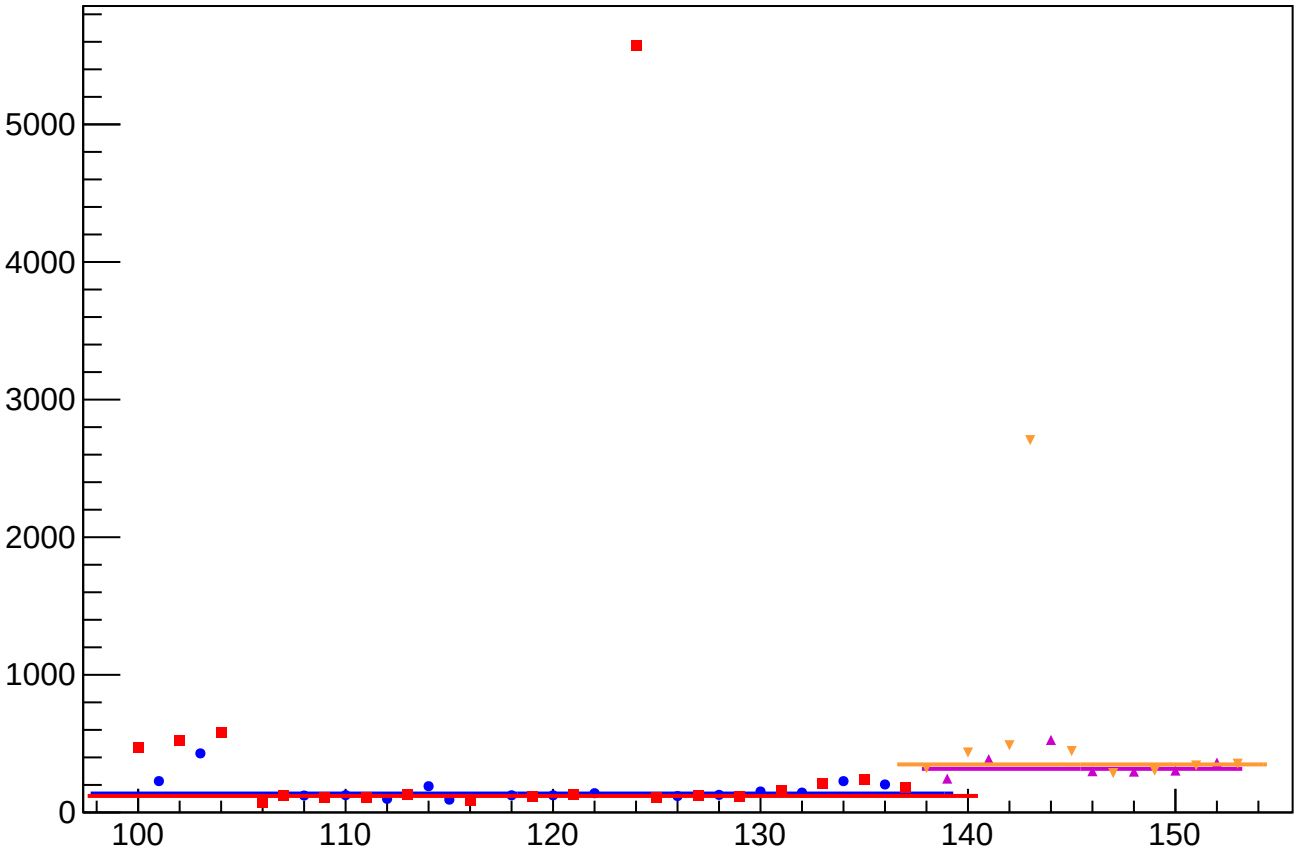
Left: -0.025+/-0.097 χ^2/NDF: 22.6/15

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.050+/-0.051 χ^2/NDF:27.0/22

Out: 0.005+/-0.048 χ^2/NDF:41.9/27

All: -0.020+/-0.035 χ^2/NDF: 69.4/50



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 349.093+/-0.100 χ^2/NDF:1573126.9/8

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 317.001+/-0.094 χ^2/NDF:513367.6/6

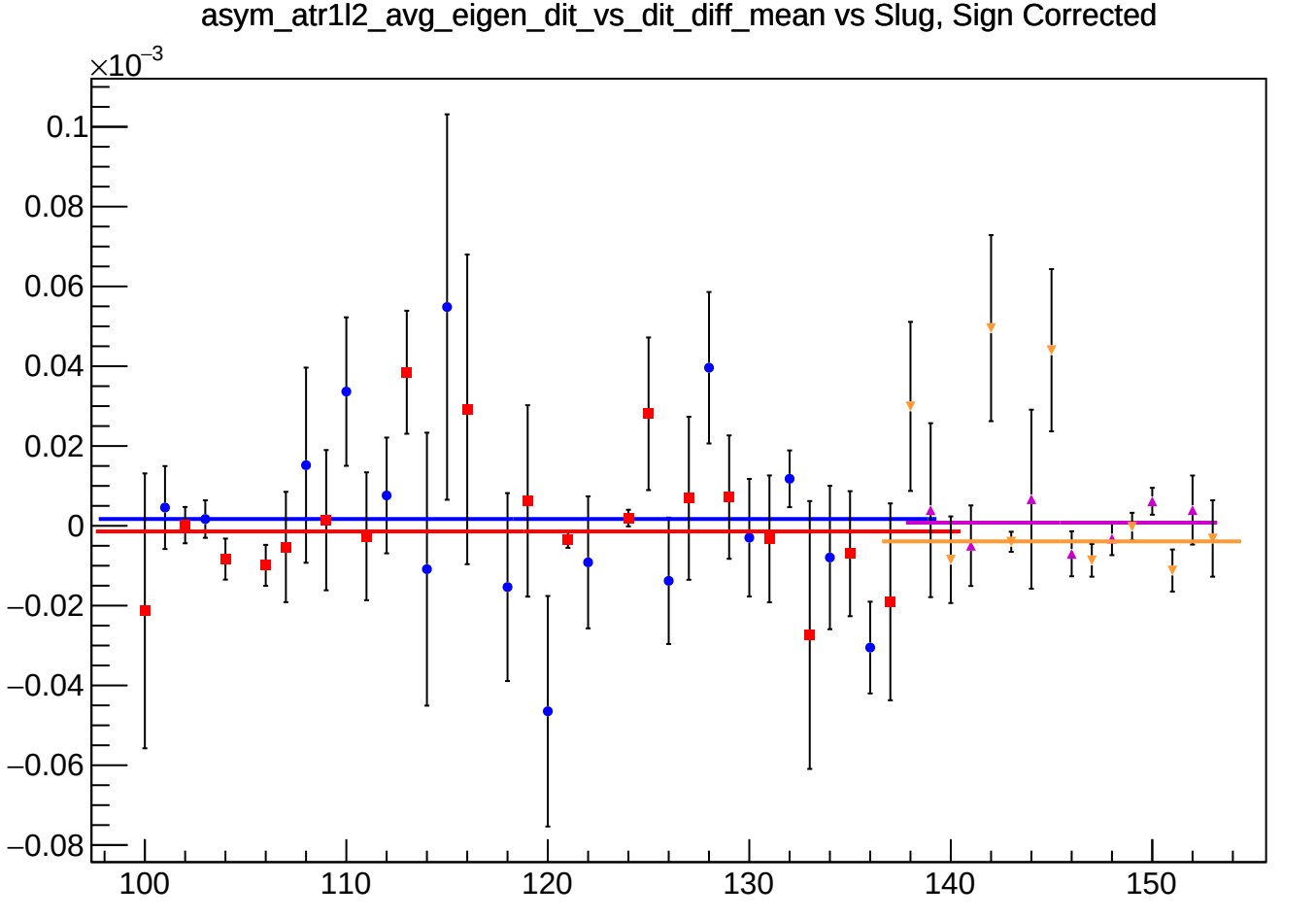
Left: 332.044+/-0.069 χ^2/NDF: 2141041.5/15

Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 164.283+/-0.036 χ^2/NDF:4880799.0/22

Out: 146.233+/-0.034 χ^2/NDF:8346352.6/27

All: 154.614+/-0.025 χ^2/NDF: 13358904.6/50



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.0/8

Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:5.9/6

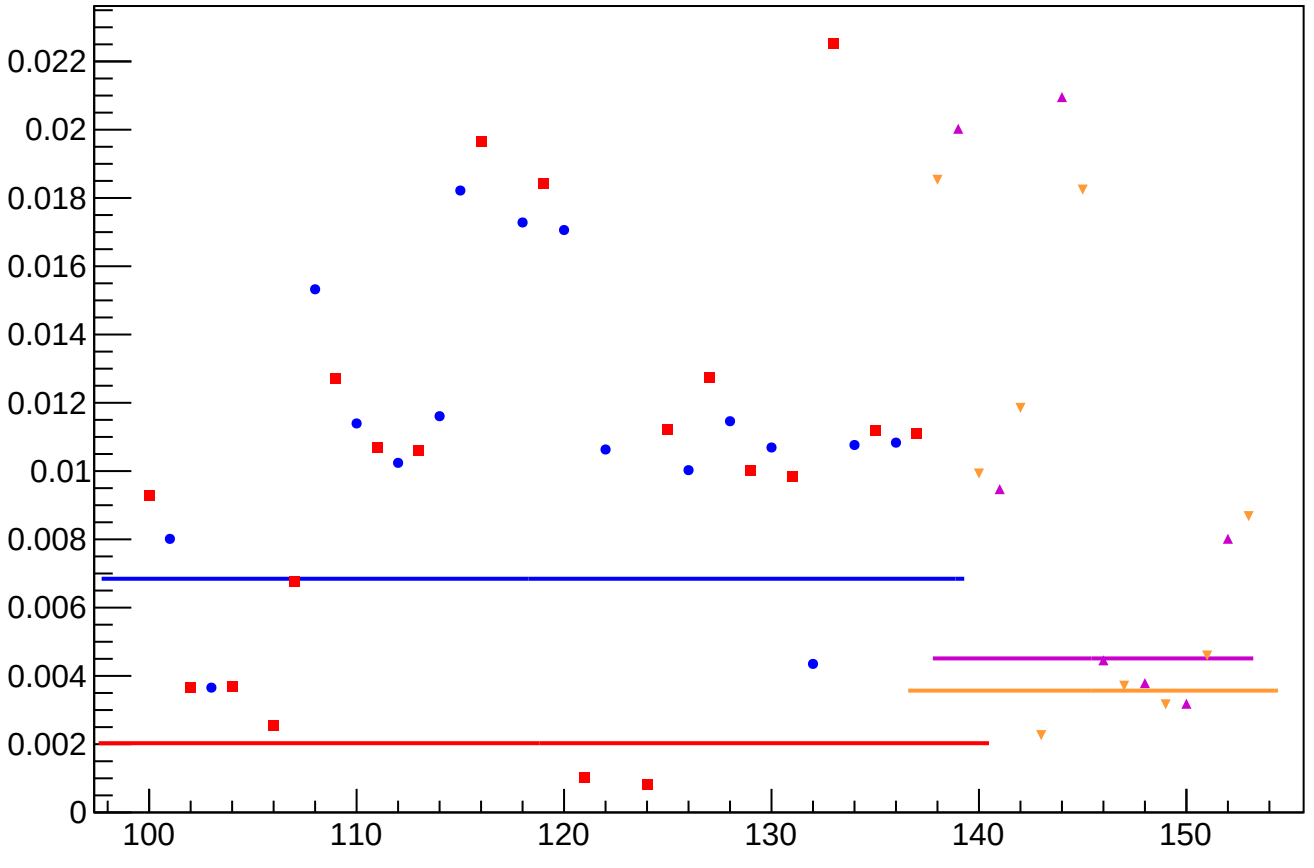
Left: -0.000+/-0.000 χ^2/NDF: 26.8/15

Right: -0.000+/-0.000 χ^2/NDF: 45.0/34

In: 0.000+/-0.000 χ^2/NDF:29.8/22

Out: -0.000+/-0.000 χ^2/NDF:39.6/27

All: -0.000+/-0.000 χ^2/NDF: 72.2/50



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:4191820.9/8

Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

Left In: 0.005+/-0.000 χ^2/NDF:3271058.7/6

Left: 0.004+/-0.000 χ^2/NDF: 7696028.7/15

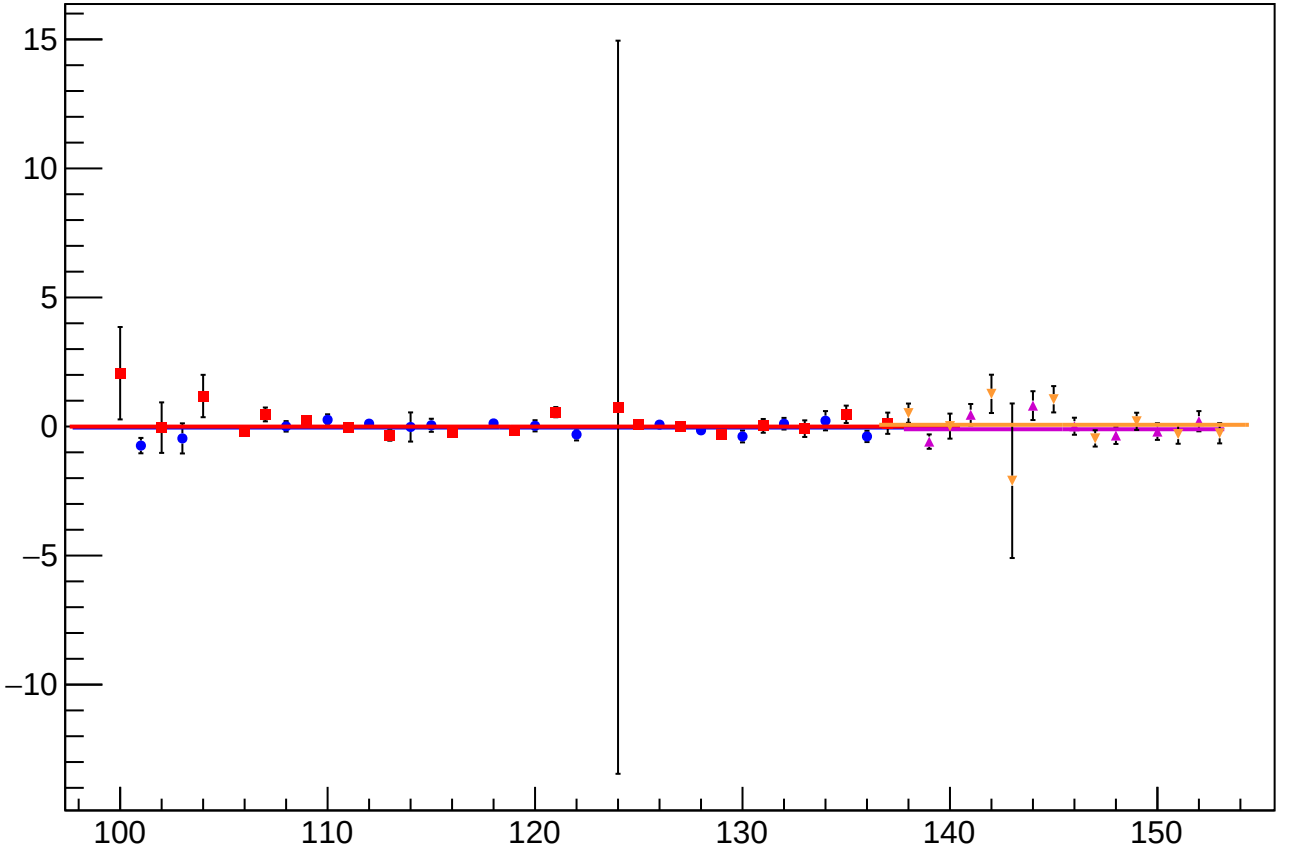
Right: 0.003+/-0.000 χ^2/NDF: 16707172.2/34

In: 0.005+/-0.000 χ^2/NDF:7297414.8/22

Out: 0.003+/-0.000 χ^2/NDF:14293767.3/27

All: 0.003+/-0.000 χ^2/NDF: 25254211.2/50

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: 0.066+/-0.142 χ^2/NDF:12.9/8

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.106+/-0.133 χ^2/NDF:8.8/6

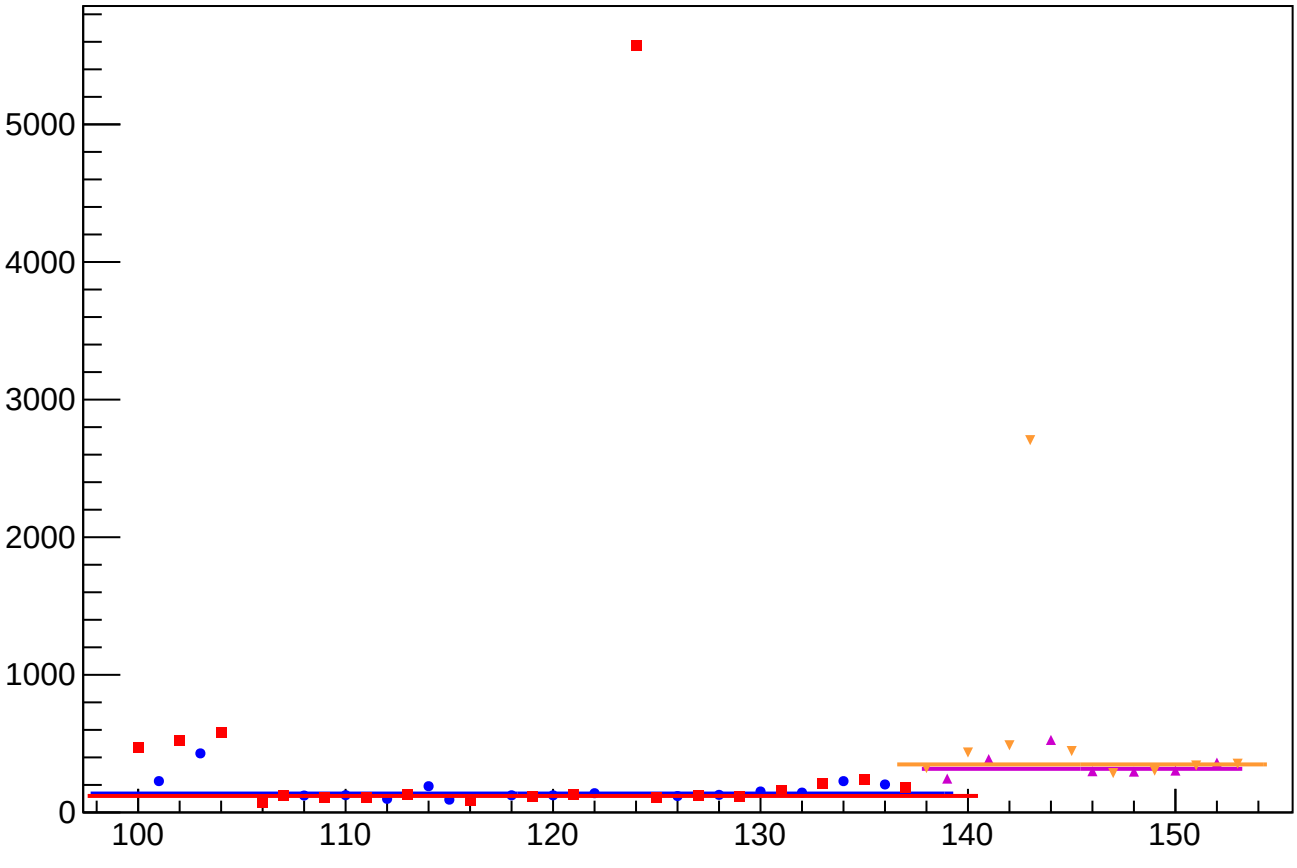
Left: -0.025+/-0.097 χ^2/NDF: 22.6/15

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.050+/-0.051 χ^2/NDF:27.0/22

Out: 0.005+/-0.048 χ^2/NDF:41.9/27

All: -0.020+/-0.035 χ^2/NDF: 69.4/50



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 349.095+/-0.100 χ^2/NDF:1573154.9/8

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 317.005+/-0.094 χ^2/NDF:513357.6/6

Left: 332.048+/-0.069 χ^2/NDF: 2141053.1/15

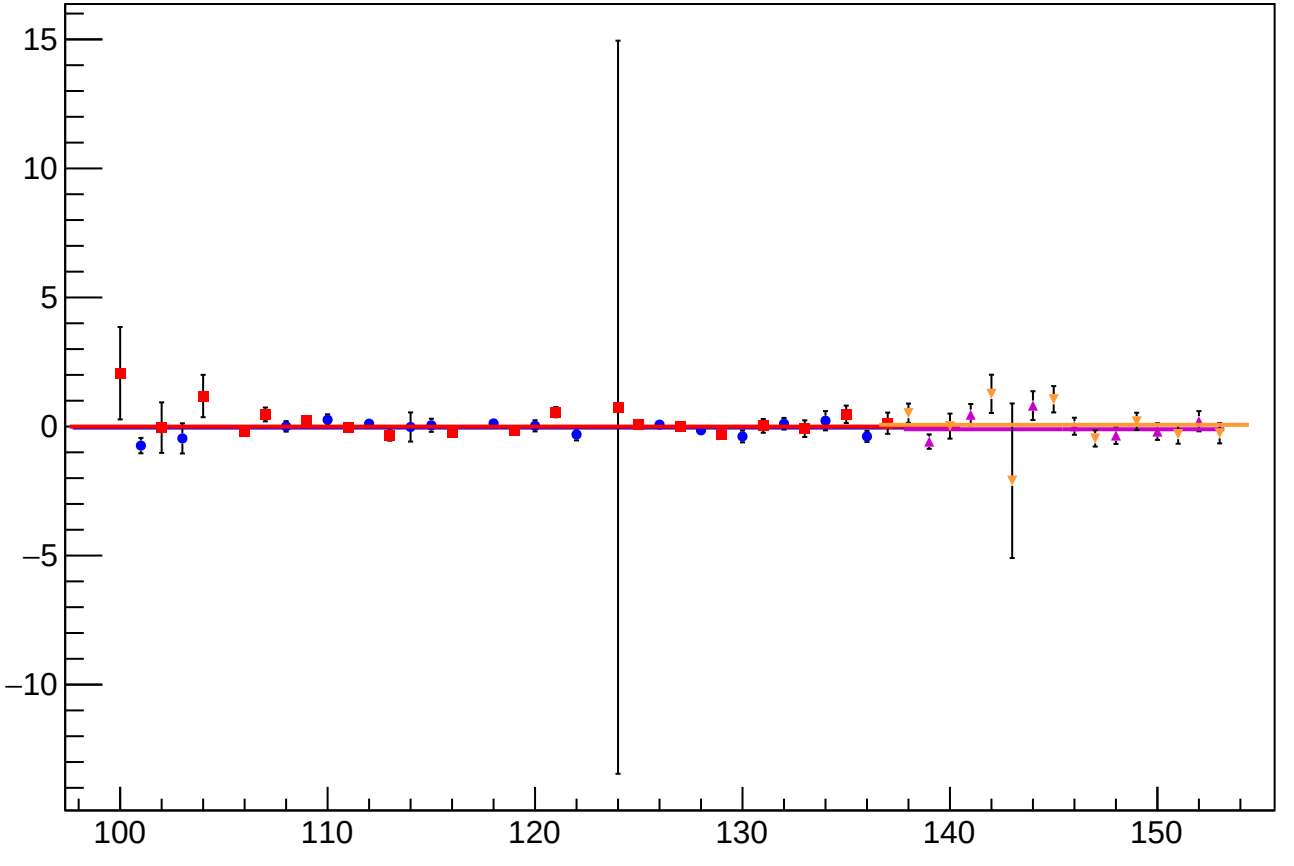
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 164.285+/-0.036 χ^2/NDF:4880766.9/22

Out: 146.233+/-0.034 χ^2/NDF:8346344.1/27

All: 154.614+/-0.025 χ^2/NDF: 13358880.4/50

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: 0.066+/-0.142 χ^2/NDF:12.9/8

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.106+/-0.133 χ^2/NDF:8.8/6

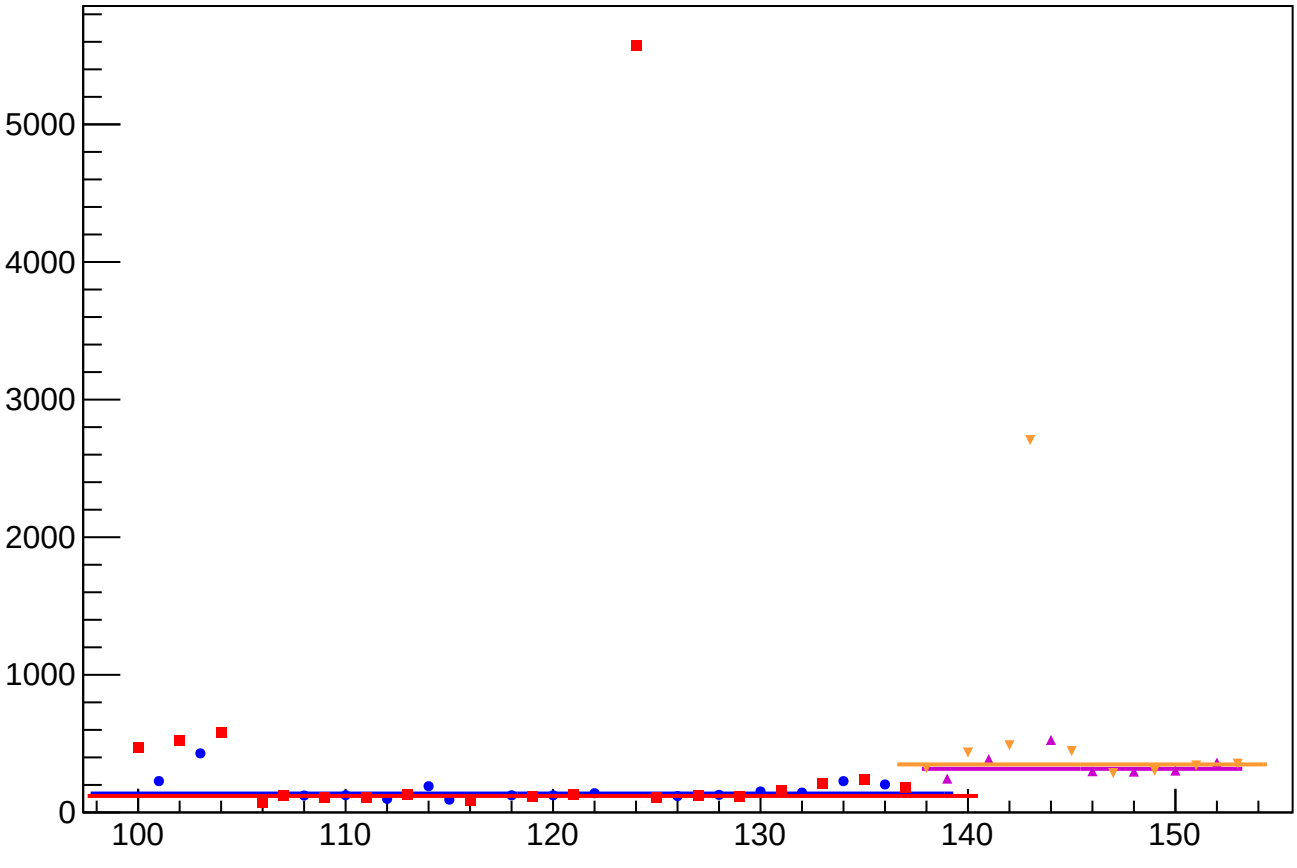
Left: -0.025+/-0.097 χ^2/NDF: 22.6/15

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.050+/-0.051 χ^2/NDF:27.0/22

Out: 0.005+/-0.048 χ^2/NDF:41.9/27

All: -0.020+/-0.035 χ^2/NDF: 69.4/50



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 349.095+/-0.100 χ^2/NDF:1573154.9/8

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 317.005+/-0.094 χ^2/NDF:513357.6/6

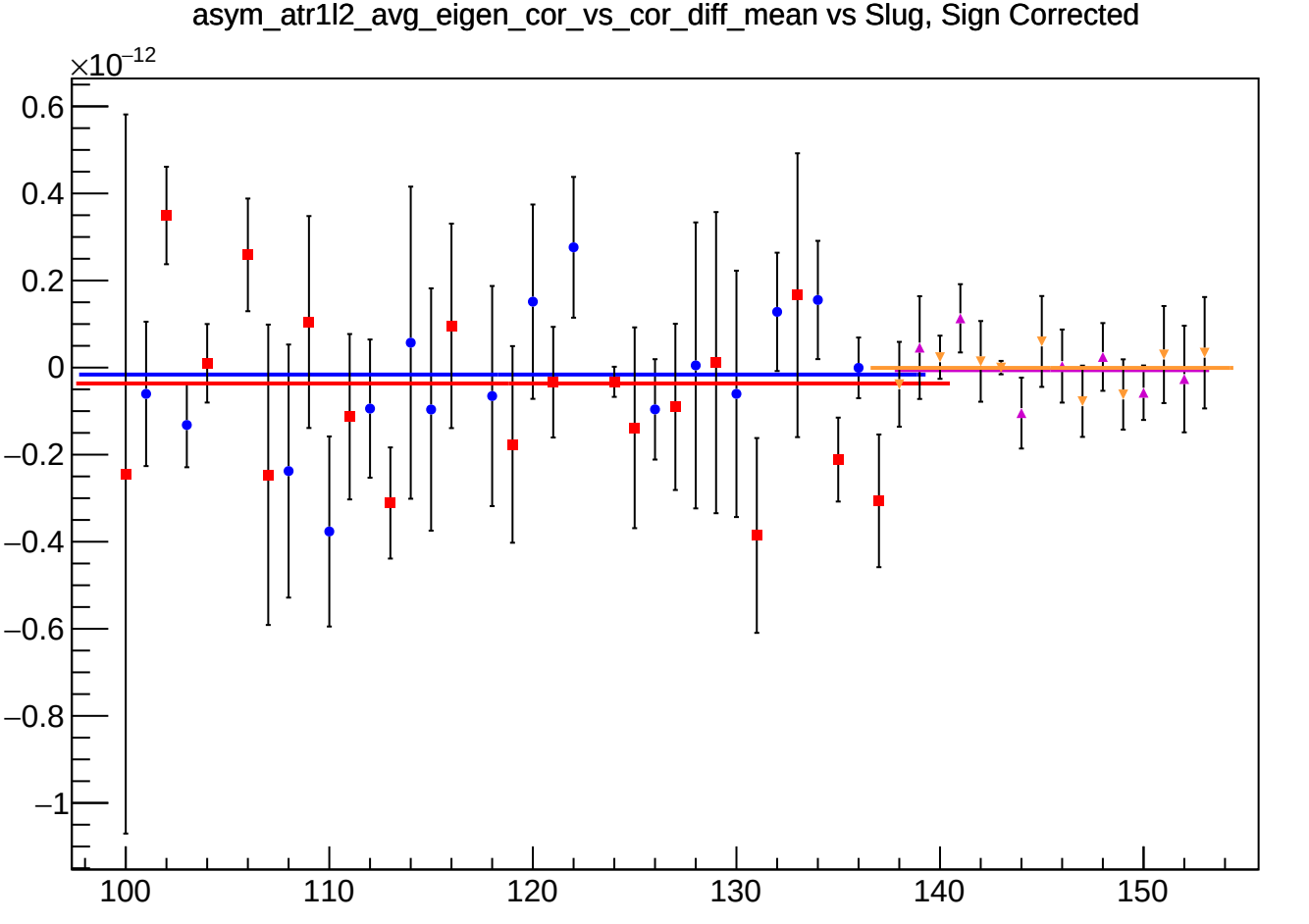
Left: 332.048+/-0.069 χ^2/NDF: 2141053.1/15

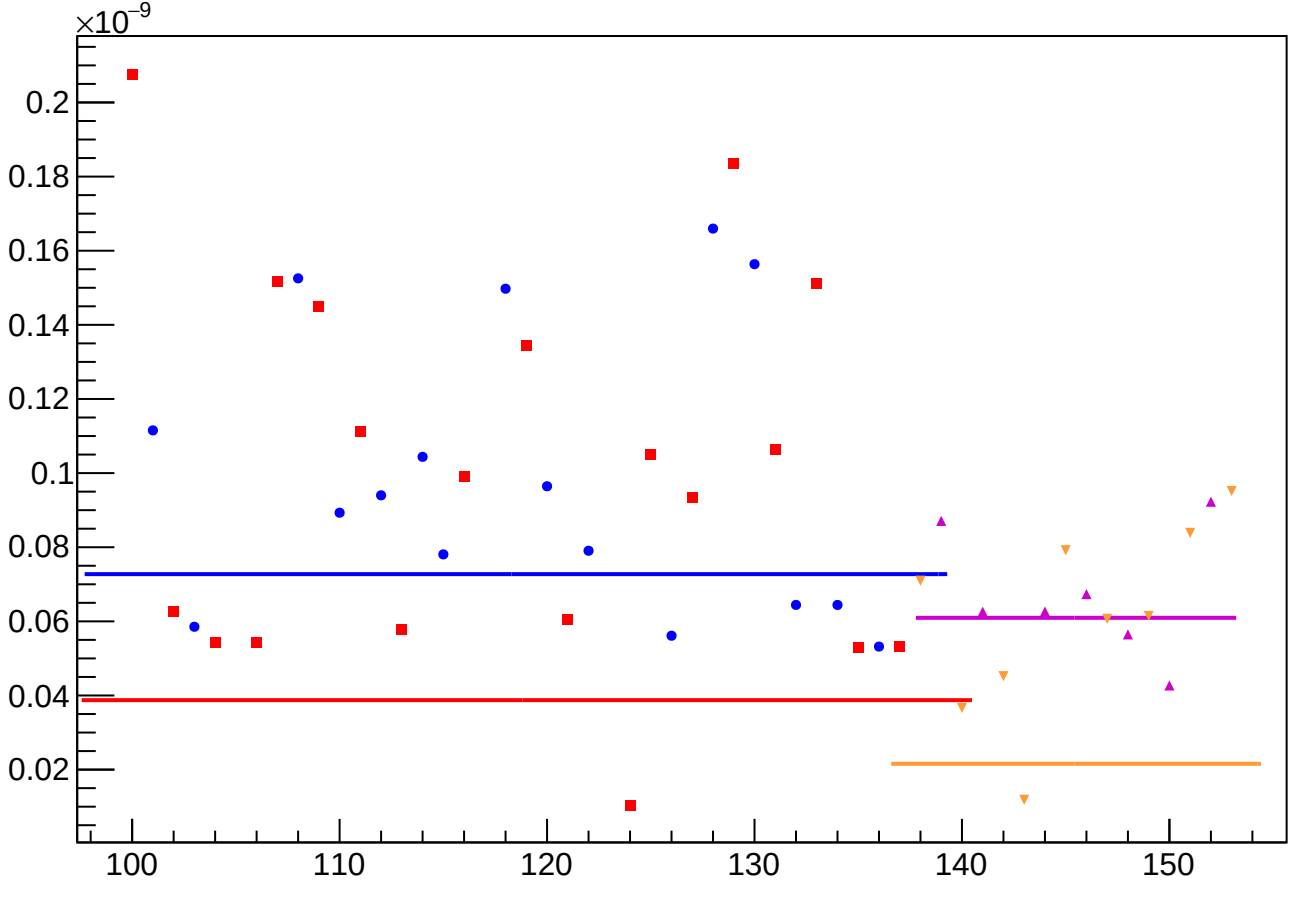
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 164.285+/-0.036 χ^2/NDF:4880766.9/22

Out: 146.233+/-0.034 χ^2/NDF:8346344.1/27

All: 154.614+/-0.025 χ^2/NDF: 13358880.4/50


asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 12.3/15
Left Out: -0.000+/-0.000 χ²/NDF:2.4/8
Right Out: -0.000+/-0.000 χ²/NDF: 33.2/18
Left In: -0.000+/-0.000 χ²/NDF:4.8/6
Left: -0.000+/-0.000 χ²/NDF: 7.2/15
Right: -0.000+/-0.000 χ²/NDF: 45.7/34
In: -0.000+/-0.000 χ²/NDF:17.2/22
Out: -0.000+/-0.000 χ²/NDF:37.1/27
All: -0.000+/-0.000 χ²/NDF: 54.3/50



Right In: 0.000+/-0.000 χ^2/NDF: 1128031.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:4463701.6/8

Right Out: 0.000+/-0.000 χ^2/NDF: 4266020.5/18

Left In: 0.000+/-0.000 χ^2/NDF:419395.2/6

Left: 0.000+/-0.000 χ^2/NDF: 7529726.3/15

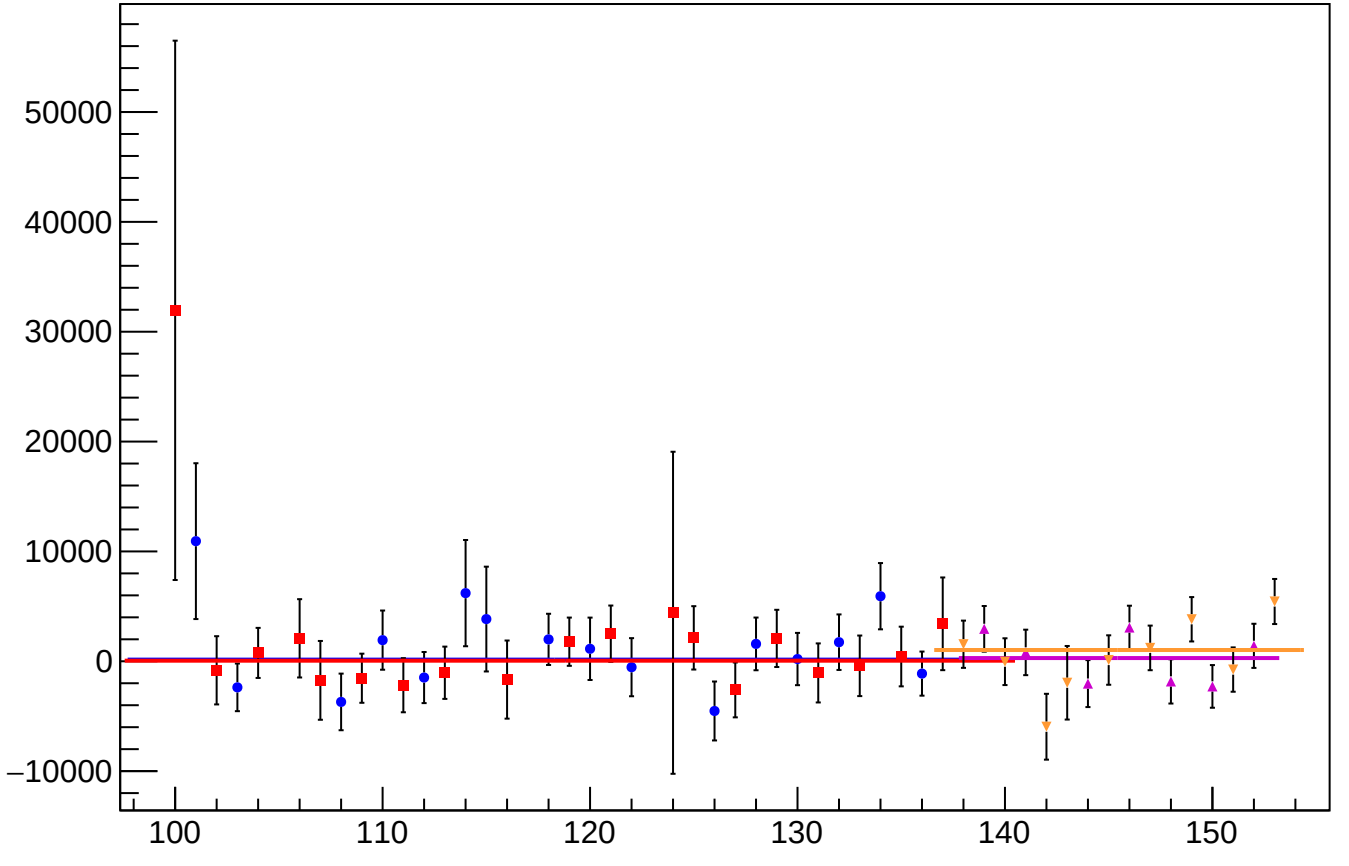
Right: 0.000+/-0.000 χ^2/NDF: 6532086.1/34

In: 0.000+/-0.000 χ^2/NDF:1664546.1/22

Out: 0.000+/-0.000 χ^2/NDF:9437043.4/27

All: 0.000+/-0.000 χ^2/NDF: 15637866.0/50

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: 1025.537+/-744.202 χ^2/NDF:14.0/8

Right Out: 54.106+/-655.266 χ^2/NDF: 9.0/18

Left In: 292.677+/-767.507 χ^2/NDF:8.0/6

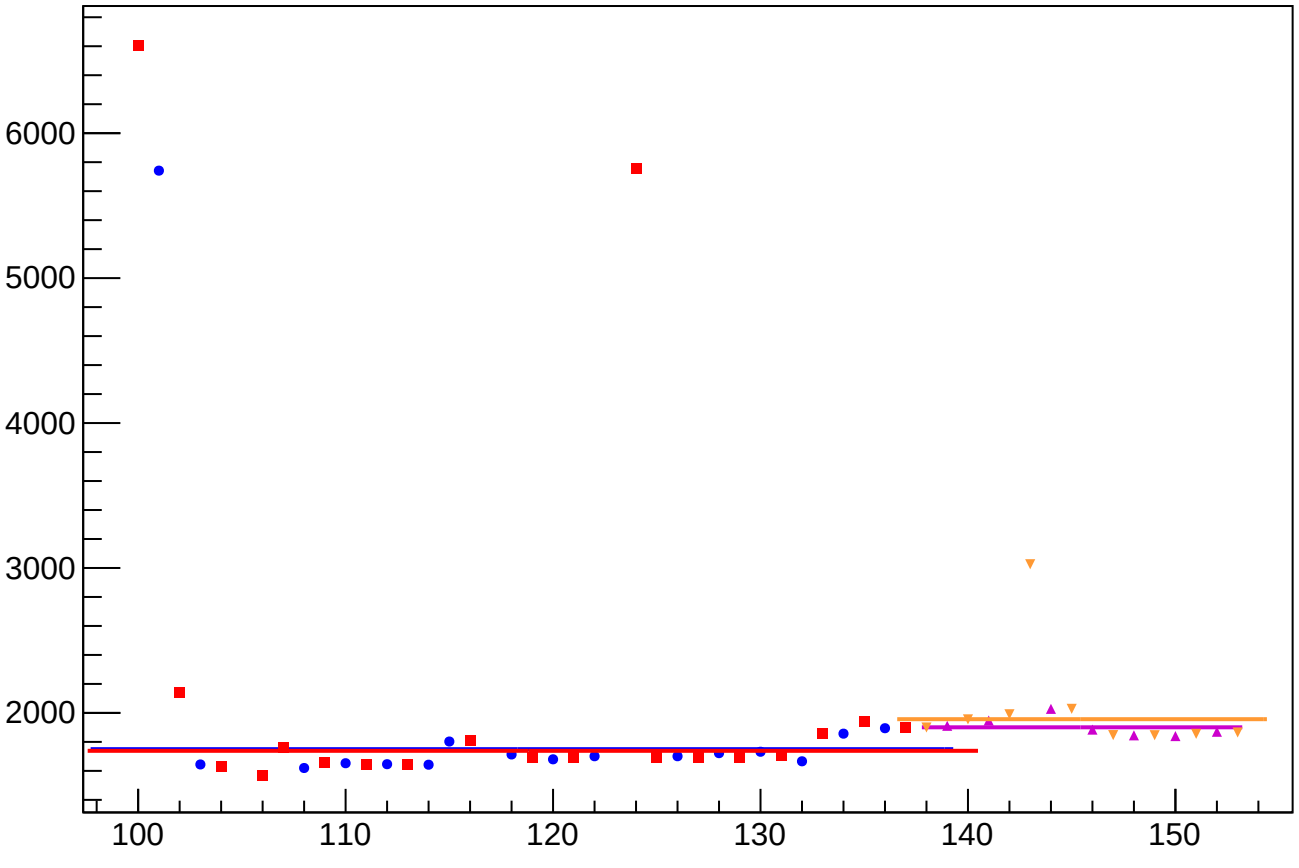
Left: 670.402+/-534.279 χ^2/NDF: 22.5/15

Right: 101.554+/-467.446 χ^2/NDF: 26.6/34

In: 211.805+/-503.463 χ^2/NDF:25.7/22

Out: 478.336+/-491.796 χ^2/NDF:24.0/27

All: 348.194+/-351.805 χ^2/NDF: 49.8/50



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 1956.720+/-0.526 χ^2/NDF:228367.8/8

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

Left In: 1900.634+/-0.543 χ^2/NDF:12218.7/6

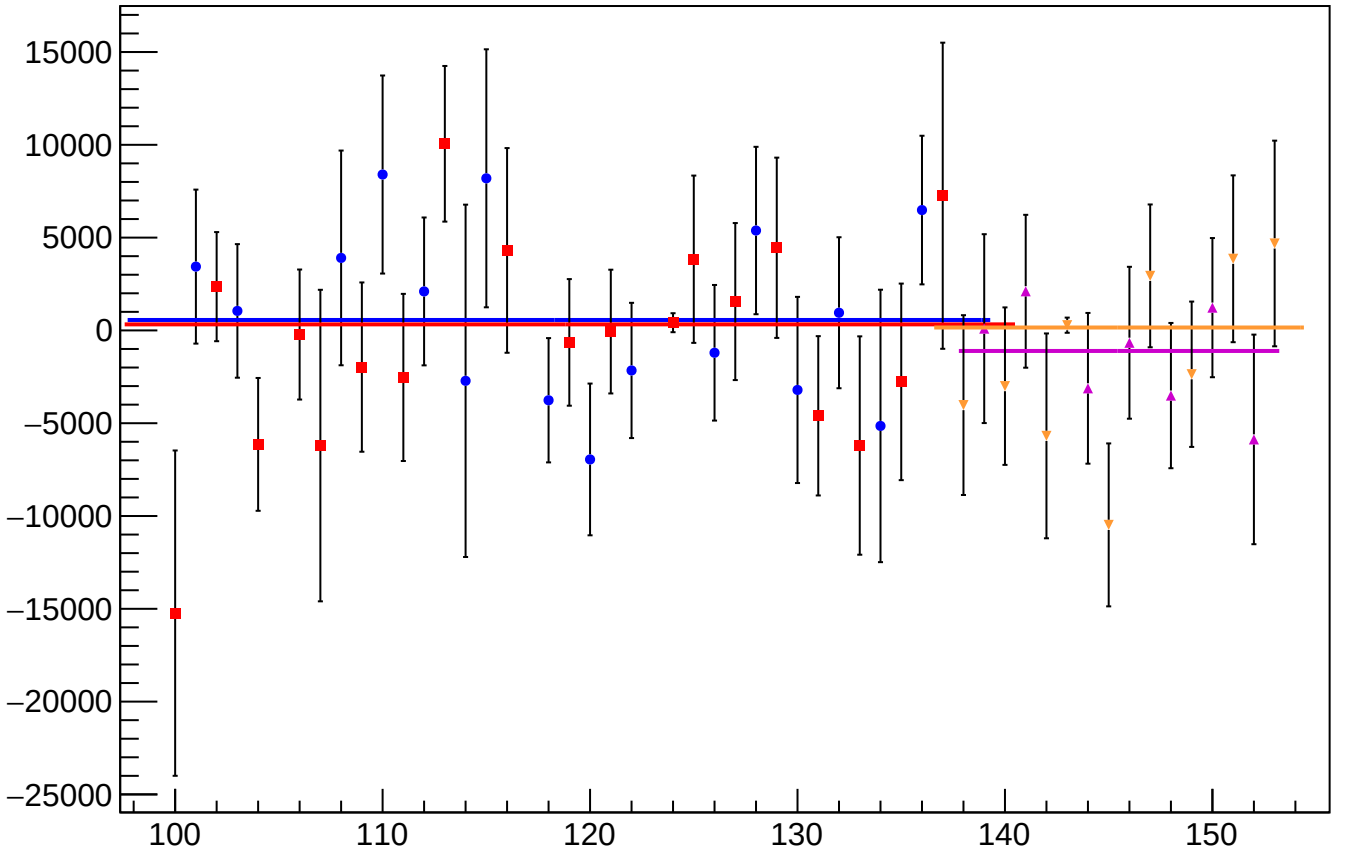
Left: 1929.541+/-0.378 χ^2/NDF: 246091.1/15

Right: 1744.036+/-0.329 χ^2/NDF: 974367.2/34

In: 1814.741+/-0.356 χ^2/NDF:725763.2/22

Out: 1833.005+/-0.346 χ^2/NDF:630355.5/27

All: 1824.125+/-0.248 χ^2/NDF: 1357471.0/50



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 156.765+/-396.123 χ^2/NDF:10.7/8

Right Out: 325.567+/-457.948 χ^2/NDF: 19.2/18

Left In: -1107.049+/-1610.119 χ^2/NDF:2.4/6

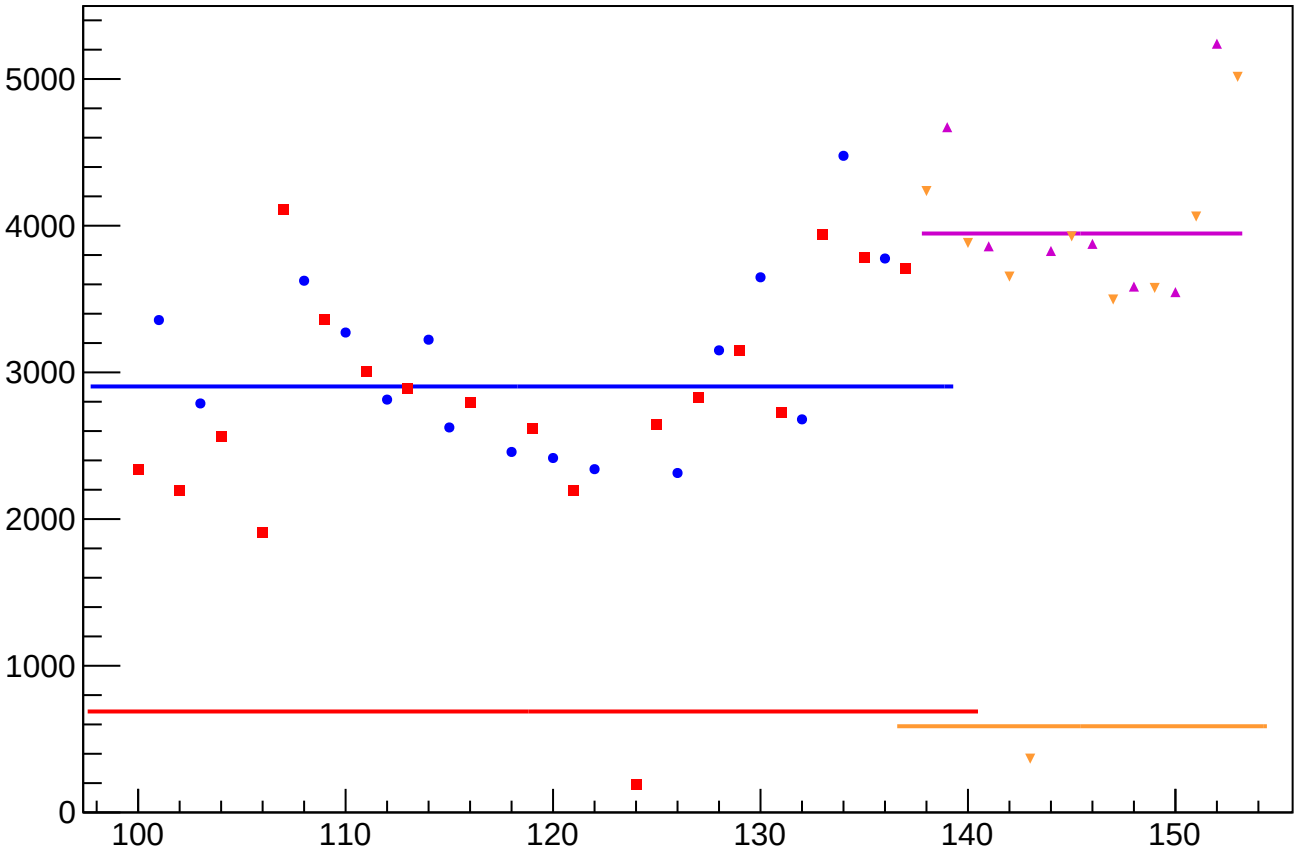
Left: 84.637+/-384.653 χ^2/NDF: 13.6/15

Right: 360.479+/-422.840 χ^2/NDF: 34.1/34

In: 30.353+/-908.929 χ^2/NDF:17.9/22

Out: 229.010+/-299.594 χ^2/NDF:30.0/27

All: 209.542+/-284.535 χ^2/NDF: 48.0/50



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 587.710+/-0.280 χ^2/NDF:9479133.5/8

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

Left In: 3946.748+/-1.139 χ^2/NDF:188637.8/6

Left: 779.417+/-0.272 χ^2/NDF: 17875487.3/15

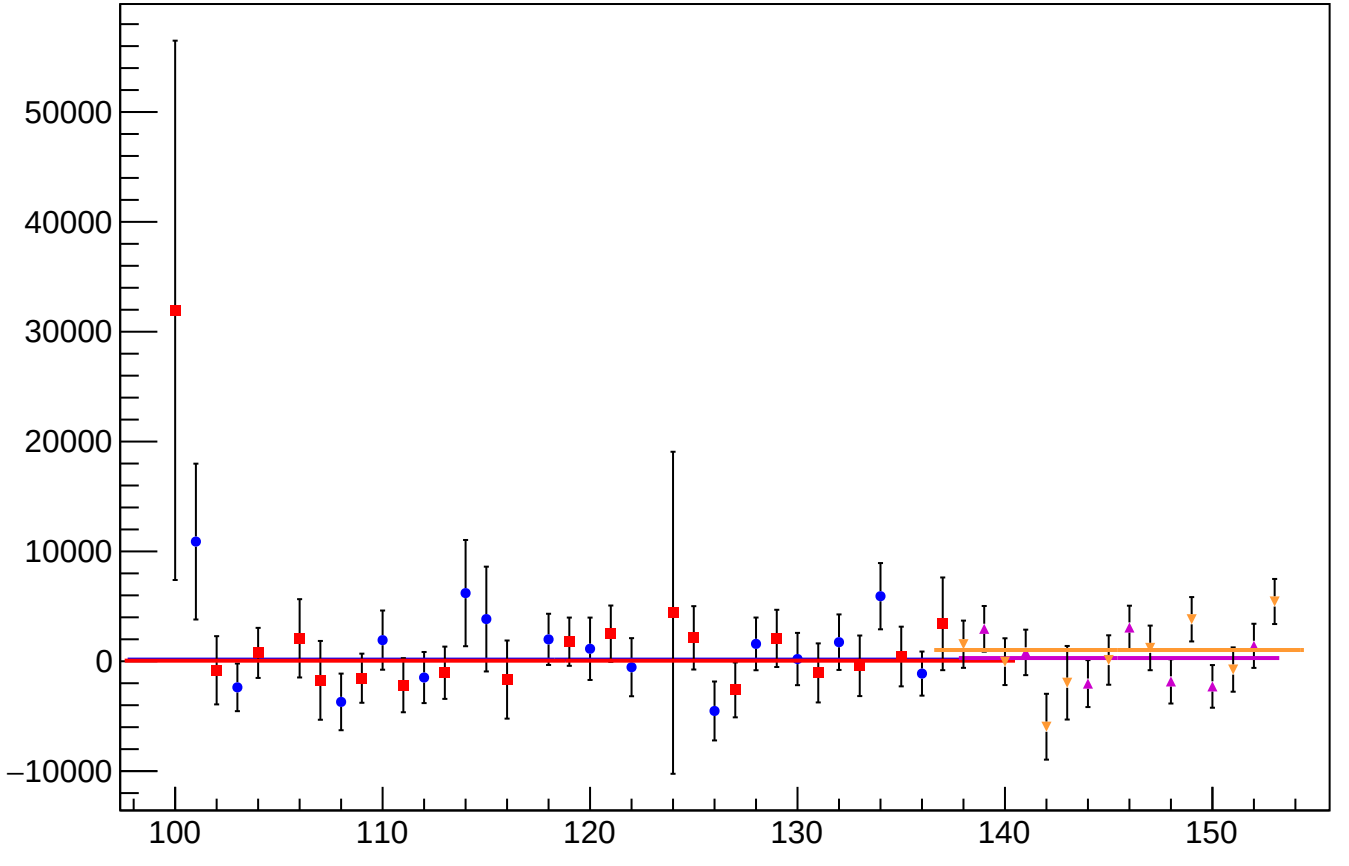
Right: 1015.033+/-0.299 χ^2/NDF: 17532420.1/34

In: 3236.335+/-0.643 χ^2/NDF:1239864.6/22

Out: 630.770+/-0.212 χ^2/NDF:19683264.6/27

All: 886.108+/-0.201 χ^2/NDF: 35747705.1/50

cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1025.473+/-744.202 χ^2/NDF:14.0/8

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: 292.710+/-767.507 χ^2/NDF:8.0/6

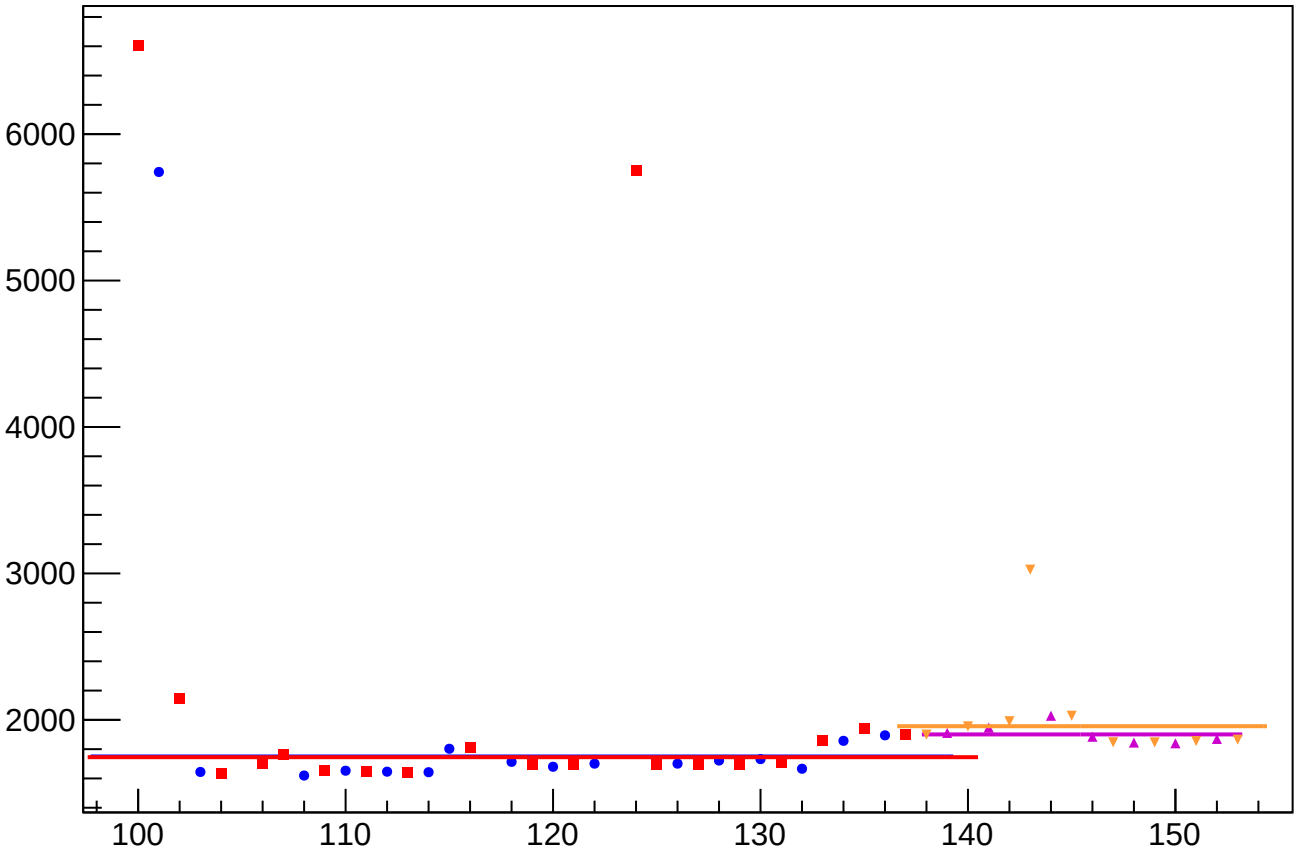
Left: 670.386+/-534.279 χ^2/NDF: 22.5/15

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: 211.553+/-503.463 χ^2/NDF:25.7/22

Out: 478.337+/-491.796 χ^2/NDF:24.0/27

All: 348.072+/-351.805 χ^2/NDF: 49.8/50



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1956.720+/-0.526 χ^2/NDF:228367.8/8

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1900.634+/-0.543 χ^2/NDF:12218.7/6

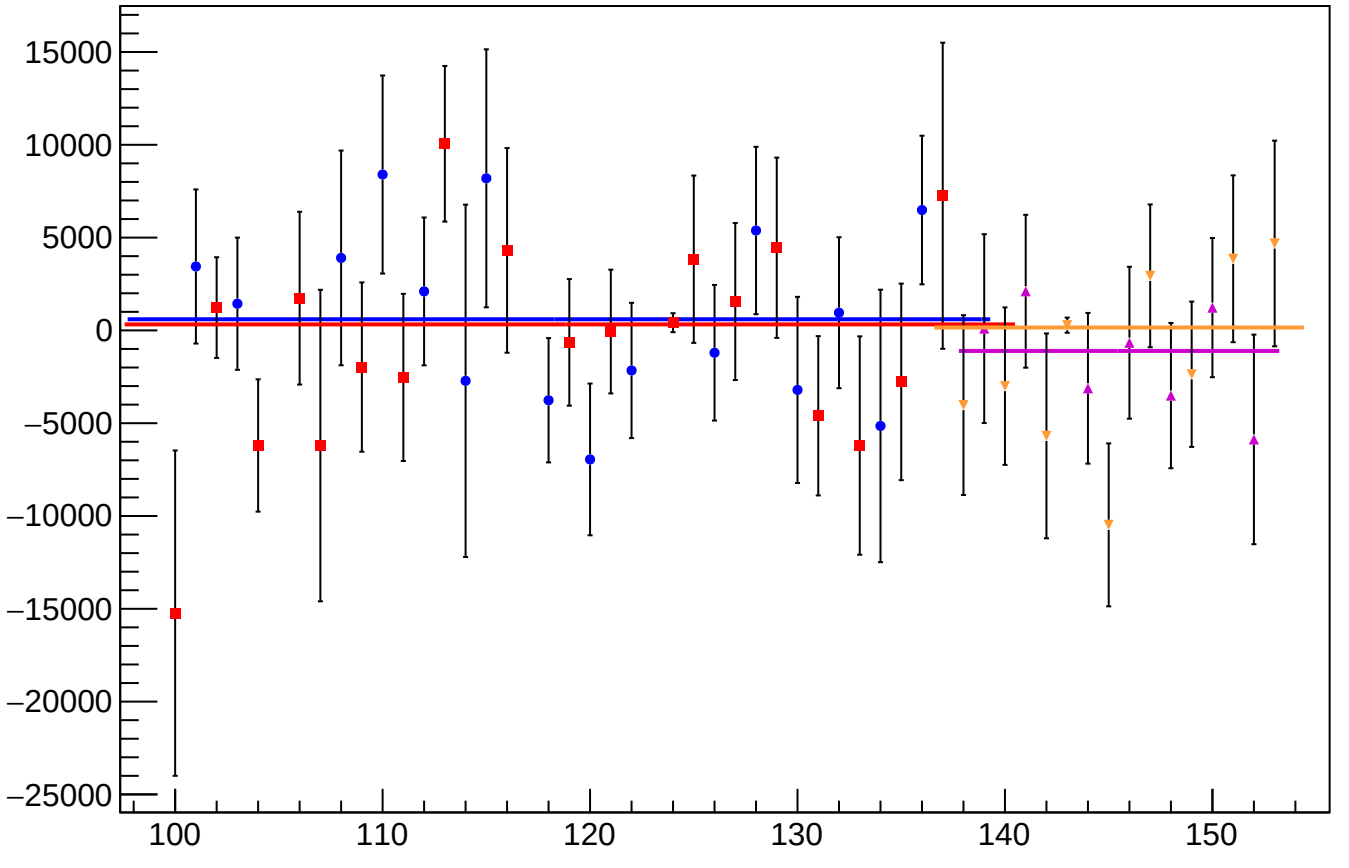
Left: 1929.542+/-0.378 χ^2/NDF: 246091.1/15

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1814.741+/-0.356 χ^2/NDF:725763.6/22

Out: 1837.176+/-0.347 χ^2/NDF:617663.8/27

All: 1826.245+/-0.248 χ^2/NDF: 1345463.8/50



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 157.724+/-396.156 χ^2/NDF:10.7/8

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -1107.114+/-1610.114 χ^2/NDF:2.4/6

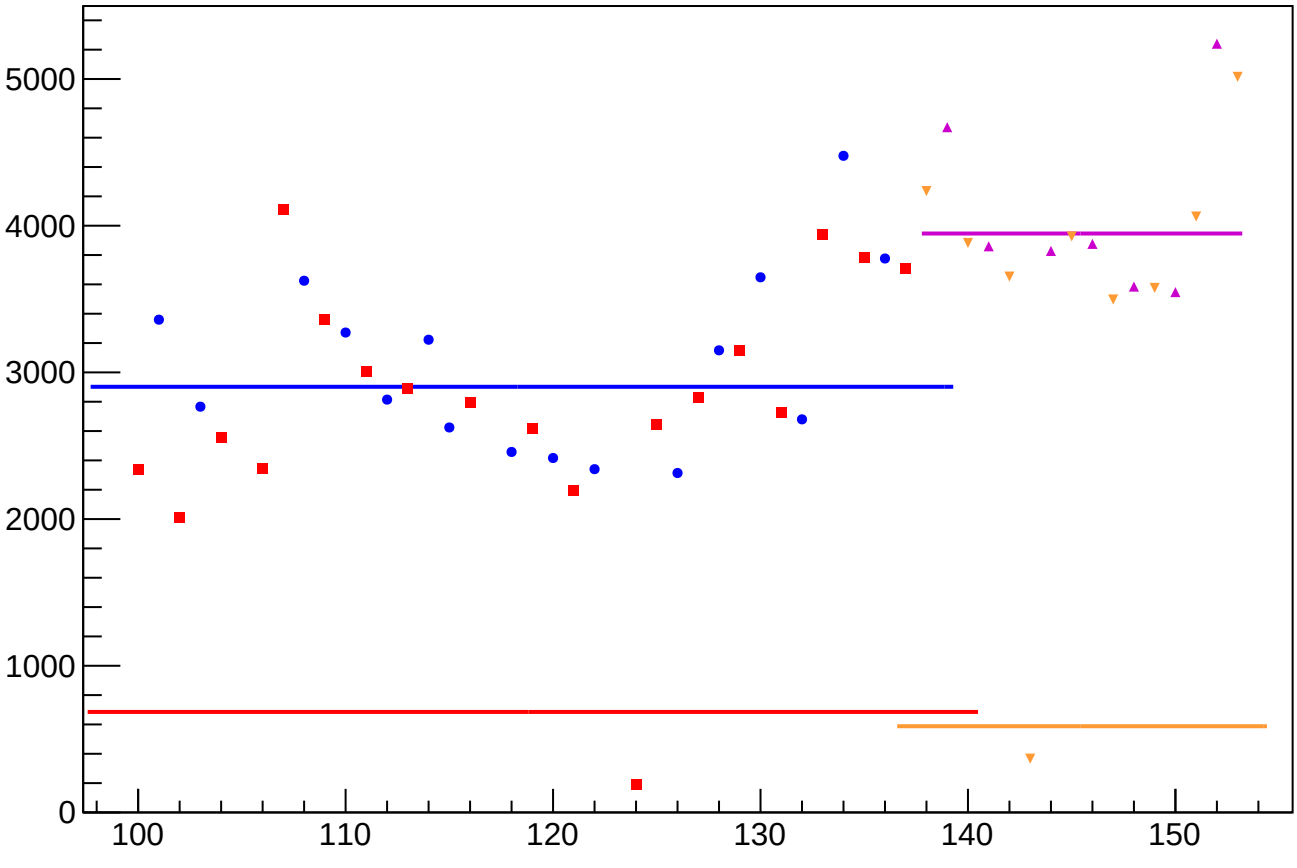
Left: 85.526+/-384.683 χ^2/NDF: 13.6/15

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 56.825+/-908.344 χ^2/NDF:18.0/22

Out: 228.376+/-299.863 χ^2/NDF:29.7/27

All: 211.517+/-284.749 χ^2/NDF: 47.8/50



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 587.786+/-0.280 χ^2/NDF:9478821.6/8

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 3946.737+/-1.139 χ^2/NDF:188639.4/6

Left: 779.519+/-0.272 χ^2/NDF: 17874719.4/15

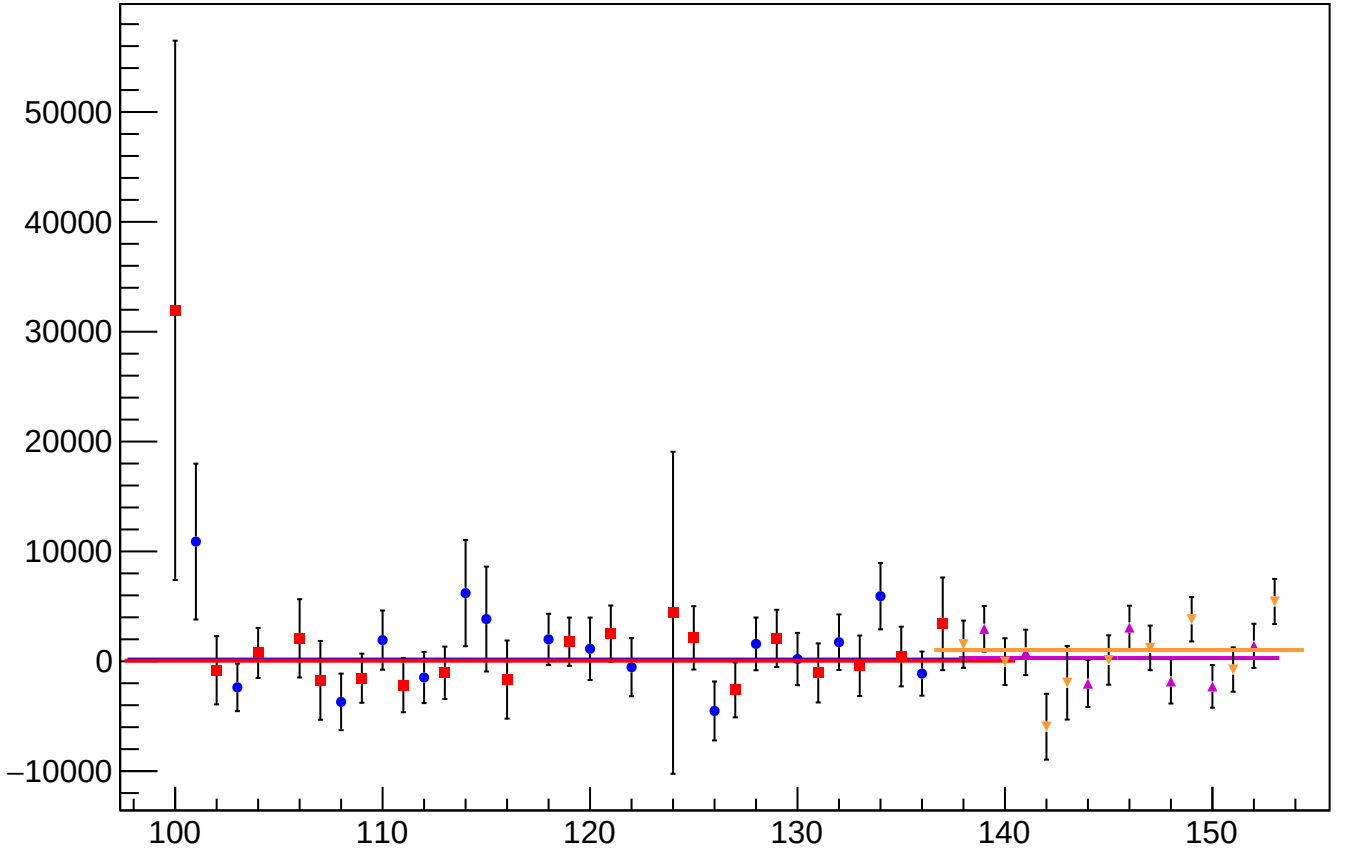
Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3234.407+/-0.642 χ^2/NDF:1243771.8/22

Out: 629.411+/-0.212 χ^2/NDF:19636324.0/27

All: 885.405+/-0.201 χ^2/NDF: 35712782.6/50

eigen_cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1025.473+/-744.202 χ^2/NDF:14.0/8

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: 292.710+/-767.507 χ^2/NDF:8.0/6

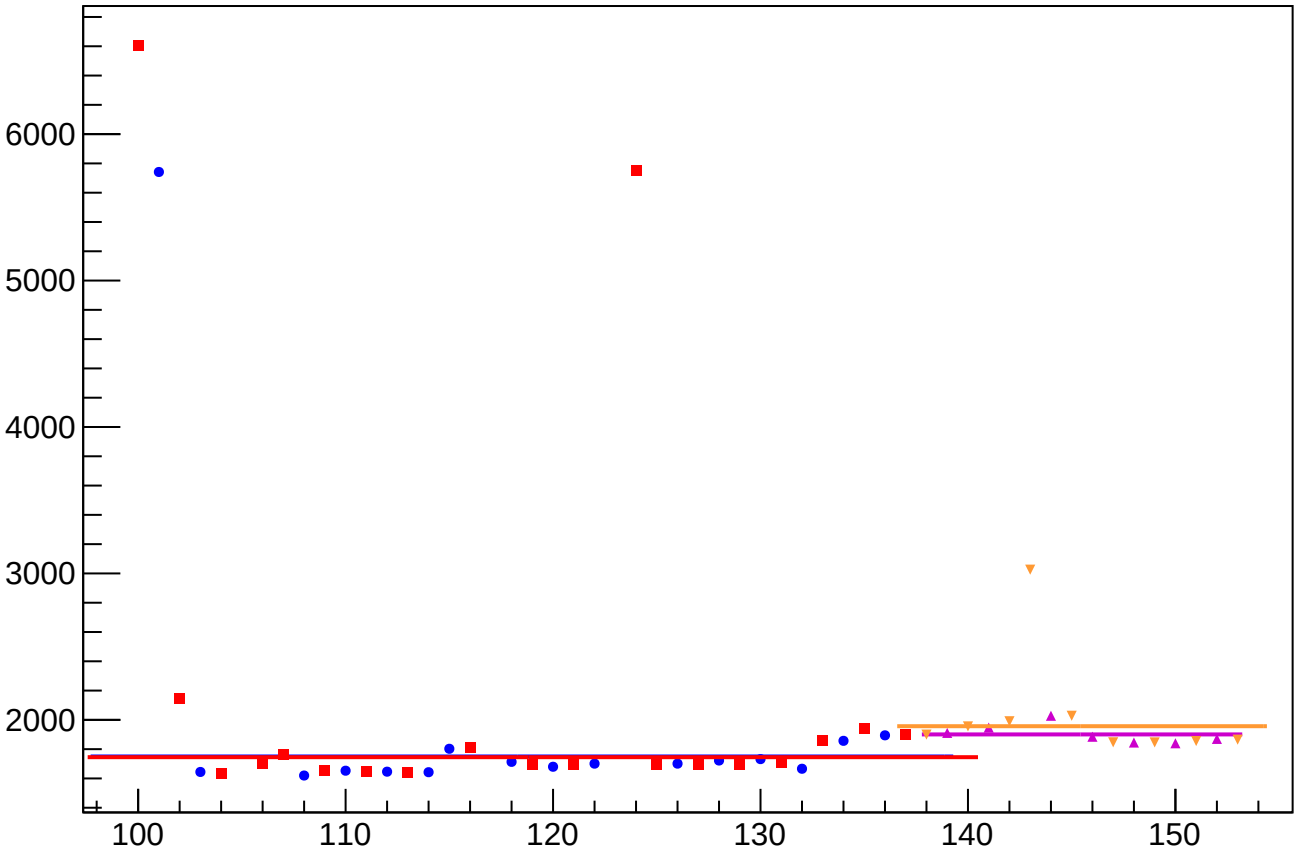
Left: 670.386+/-534.279 χ^2/NDF: 22.5/15

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: 211.553+/-503.463 χ^2/NDF:25.7/22

Out: 478.337+/-491.796 χ^2/NDF:24.0/27

All: 348.072+/-351.805 χ^2/NDF: 49.8/50



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1956.720+/-0.526 χ^2/NDF:228367.8/8

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1900.634+/-0.543 χ^2/NDF:12218.7/6

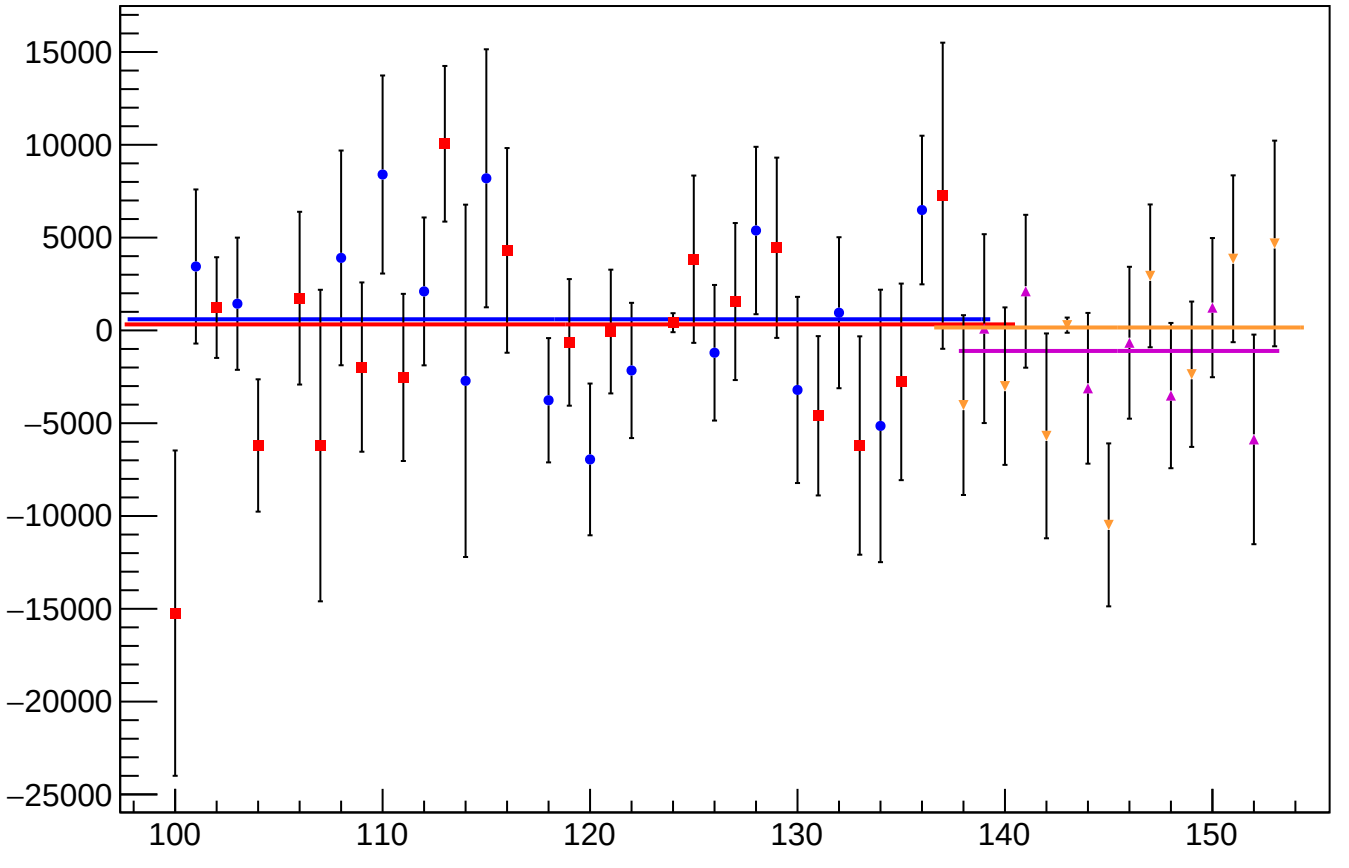
Left: 1929.542+/-0.378 χ^2/NDF: 246091.1/15

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1814.741+/-0.356 χ^2/NDF:725763.6/22

Out: 1837.176+/-0.347 χ^2/NDF:617663.8/27

All: 1826.245+/-0.248 χ^2/NDF: 1345463.8/50



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 157.724+/-396.156 χ^2/NDF:10.7/8

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -1107.114+/-1610.114 χ^2/NDF:2.4/6

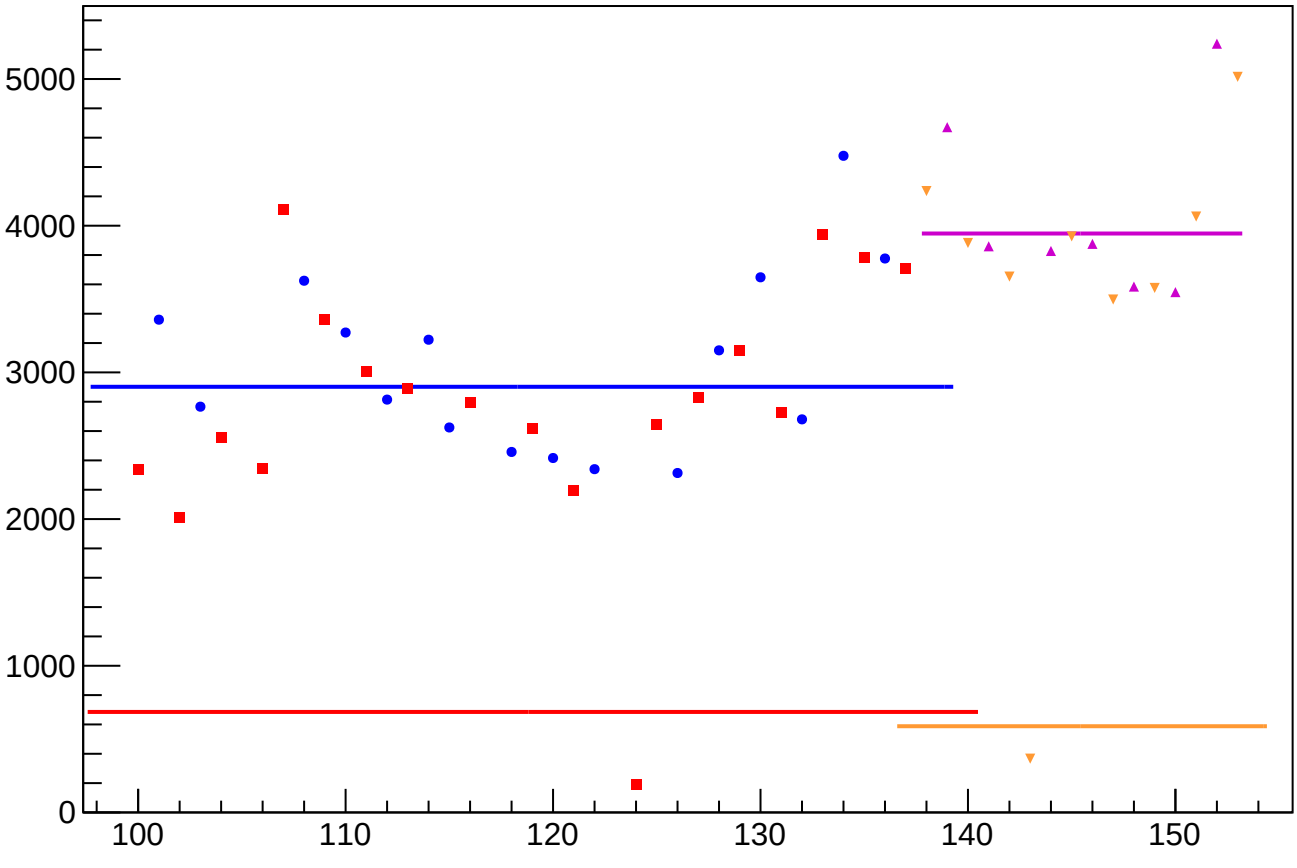
Left: 85.526+/-384.683 χ^2/NDF: 13.6/15

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 56.825+/-908.344 χ^2/NDF:18.0/22

Out: 228.376+/-299.863 χ^2/NDF:29.7/27

All: 211.517+/-284.749 χ^2/NDF: 47.8/50



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 587.786+/-0.280 χ^2/NDF:9478821.6/8

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 3946.737+/-1.139 χ^2/NDF:188639.4/6

Left: 779.519+/-0.272 χ^2/NDF: 17874719.4/15

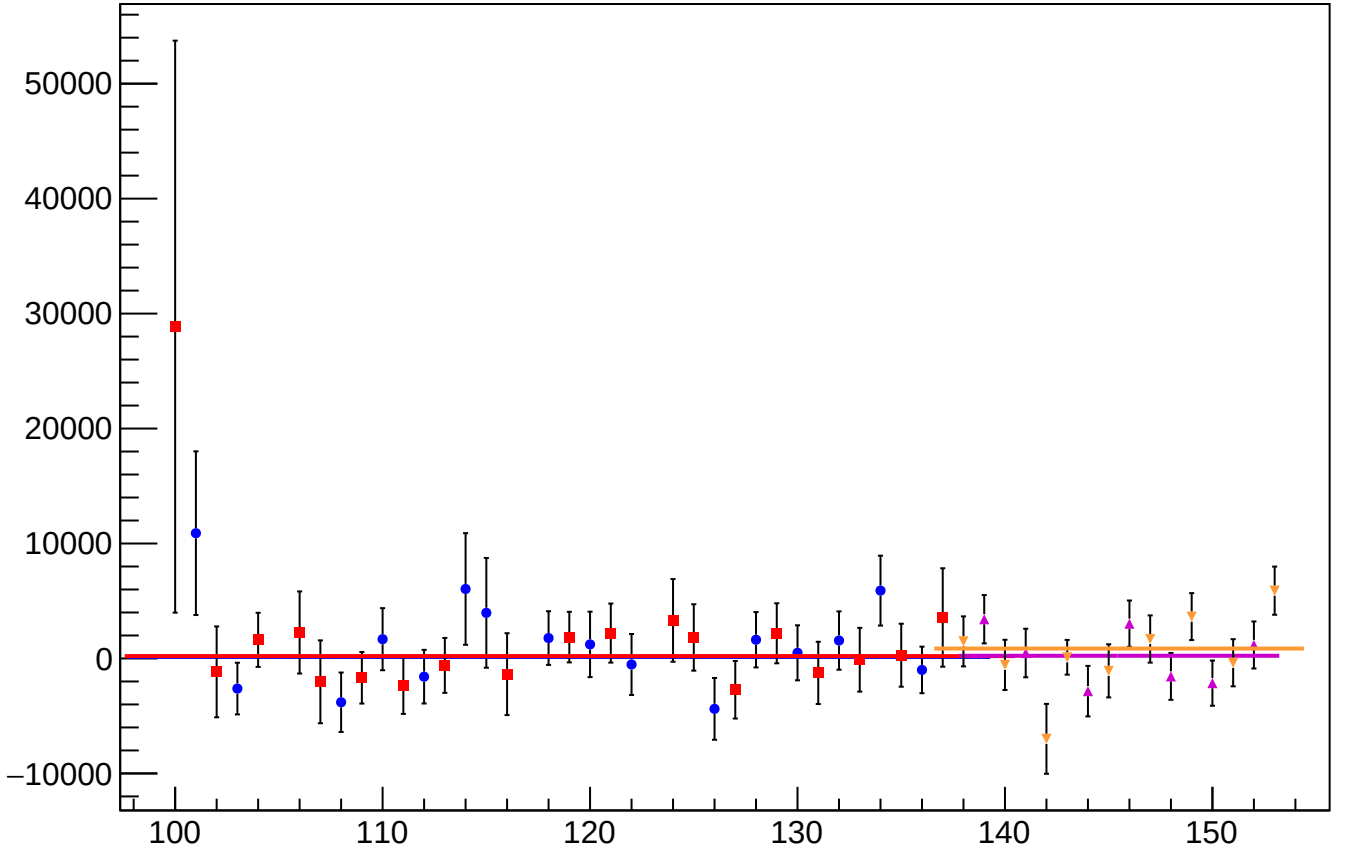
Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3234.407+/-0.642 χ^2/NDF:1243771.8/22

Out: 629.411+/-0.212 χ^2/NDF:19636324.0/27

All: 885.405+/-0.201 χ^2/NDF: 35712782.6/50

dit_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: 864.687+/-690.498 χ^2/NDF:16.3/8

Right Out: 205.424+/-654.444 χ^2/NDF: 9.7/18

Left In: 233.389+/-780.564 χ^2/NDF:8.6/6

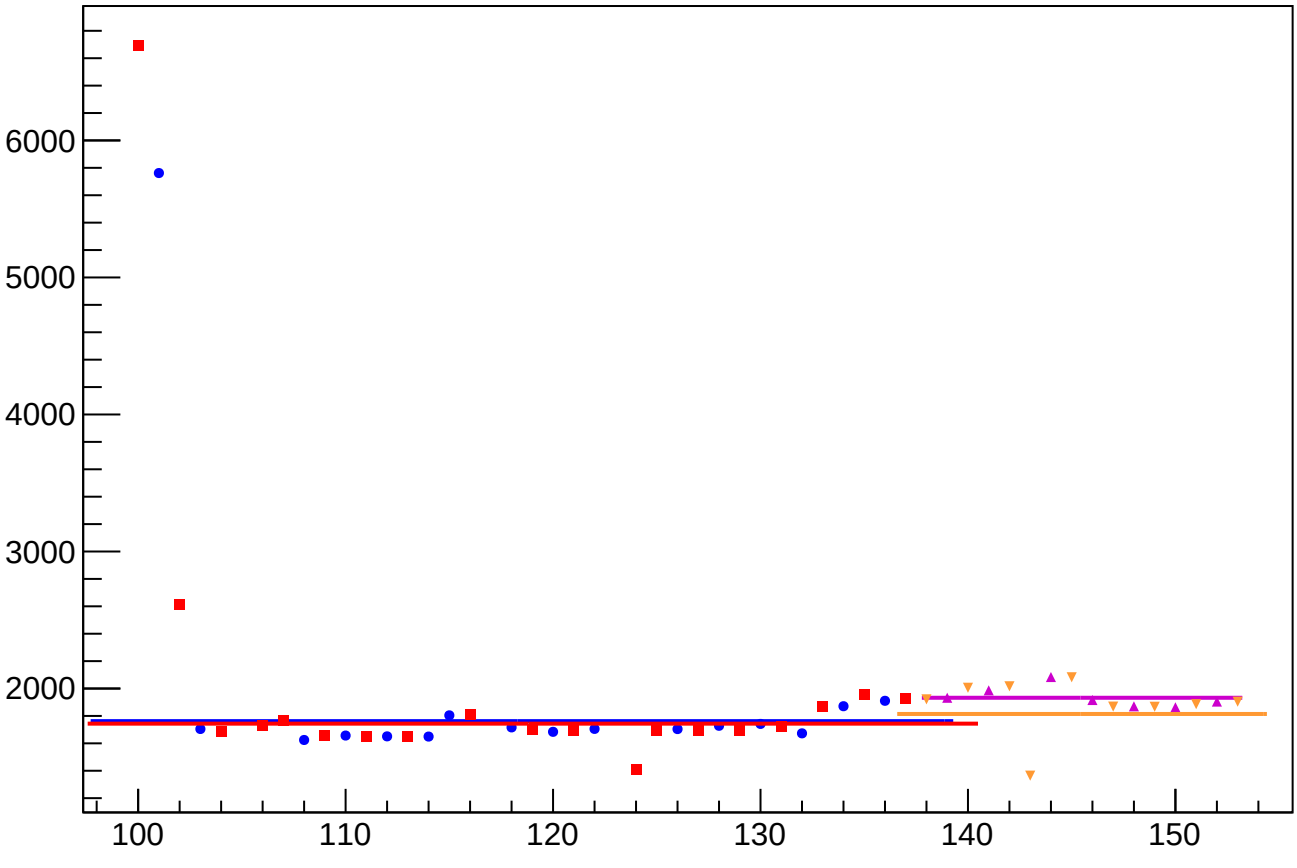
Left: 587.545+/-517.181 χ^2/NDF: 25.3/15

Right: 170.558+/-468.717 χ^2/NDF: 27.0/34

In: 176.187+/-509.104 χ^2/NDF:25.9/22

Out: 517.396+/-474.997 χ^2/NDF:26.5/27

All: 358.603+/-347.306 χ^2/NDF: 52.6/50



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1814.360+/-0.488 χ^2/NDF:242353.4/8

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1932.600+/-0.552 χ^2/NDF:15681.3/6

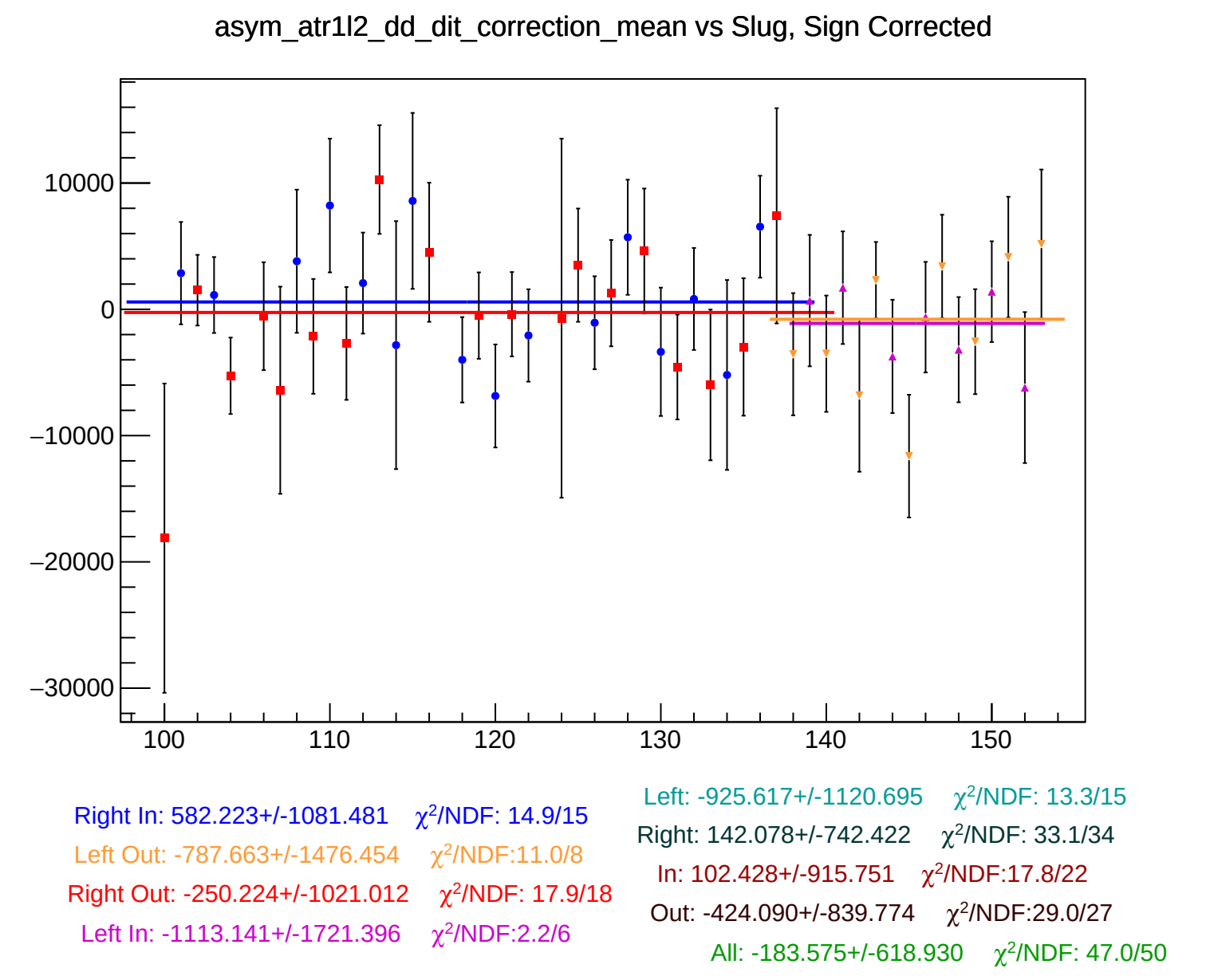
Left: 1866.268+/-0.366 χ^2/NDF: 283780.1/15

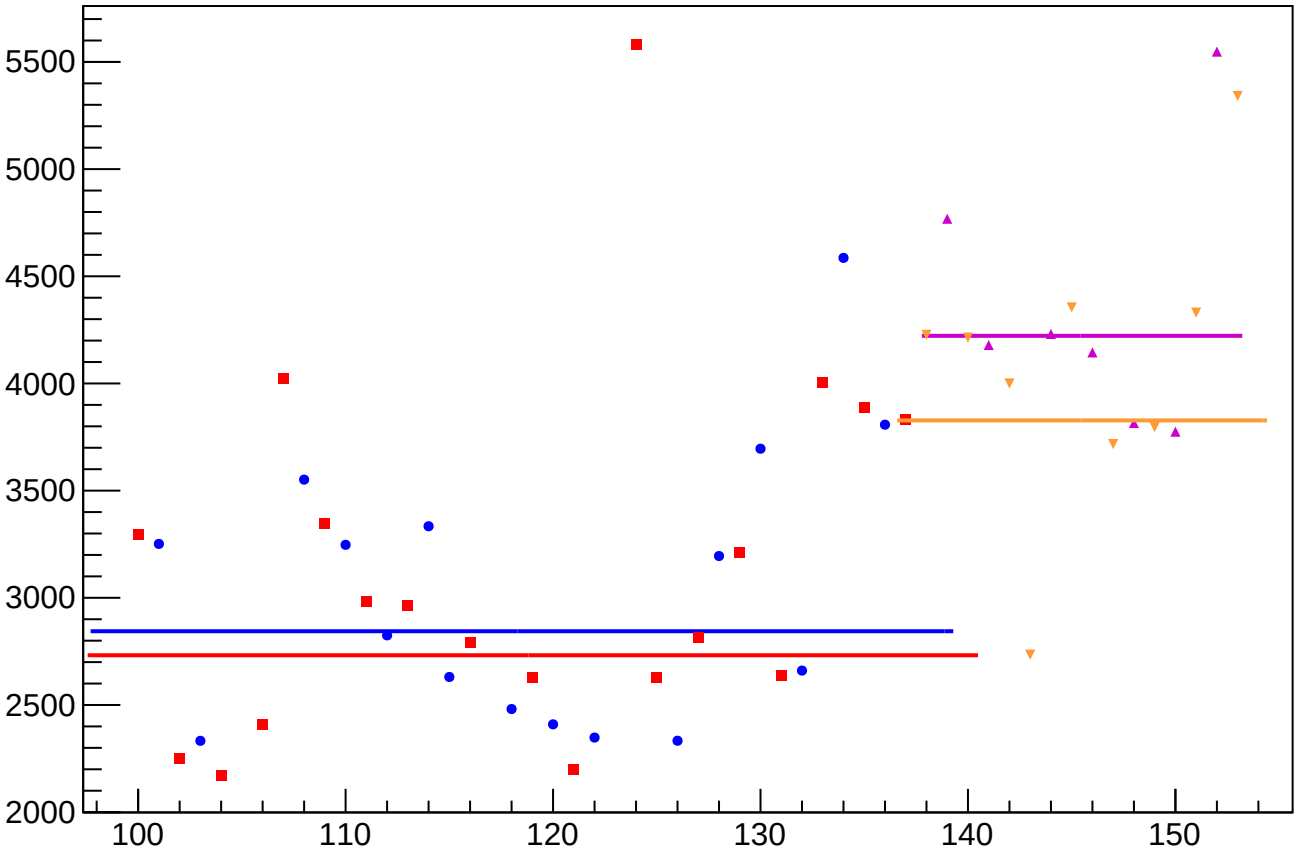
Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1834.603+/-0.360 χ^2/NDF:738240.2/22

Out: 1777.048+/-0.335 χ^2/NDF:481171.3/27

All: 1803.790+/-0.245 χ^2/NDF: 1233096.3/50


asym_atr1l2_dd_dit_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
Right In: 582.223+/-1081.481 χ²/NDF: 14.9/15
Left Out: -787.663+/-1476.454 χ²/NDF:11.0/8
Right Out: -250.224+/-1021.012 χ²/NDF: 17.9/18
Left In: -1113.141+/-1721.396 χ²/NDF:2.2/6
Left: -925.617+/-1120.695 χ²/NDF: 13.3/15
Right: 142.078+/-742.422 χ²/NDF: 33.1/34
In: 102.428+/-915.751 χ²/NDF:17.8/22
Out: -424.090+/-839.774 χ²/NDF:29.0/27
All: -183.575+/-618.930 χ²/NDF: 47.0/50



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 3827.567+/-1.044 χ^2/NDF:468871.9/8

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

Left In: 4222.230+/-1.217 χ^2/NDF:165463.0/6

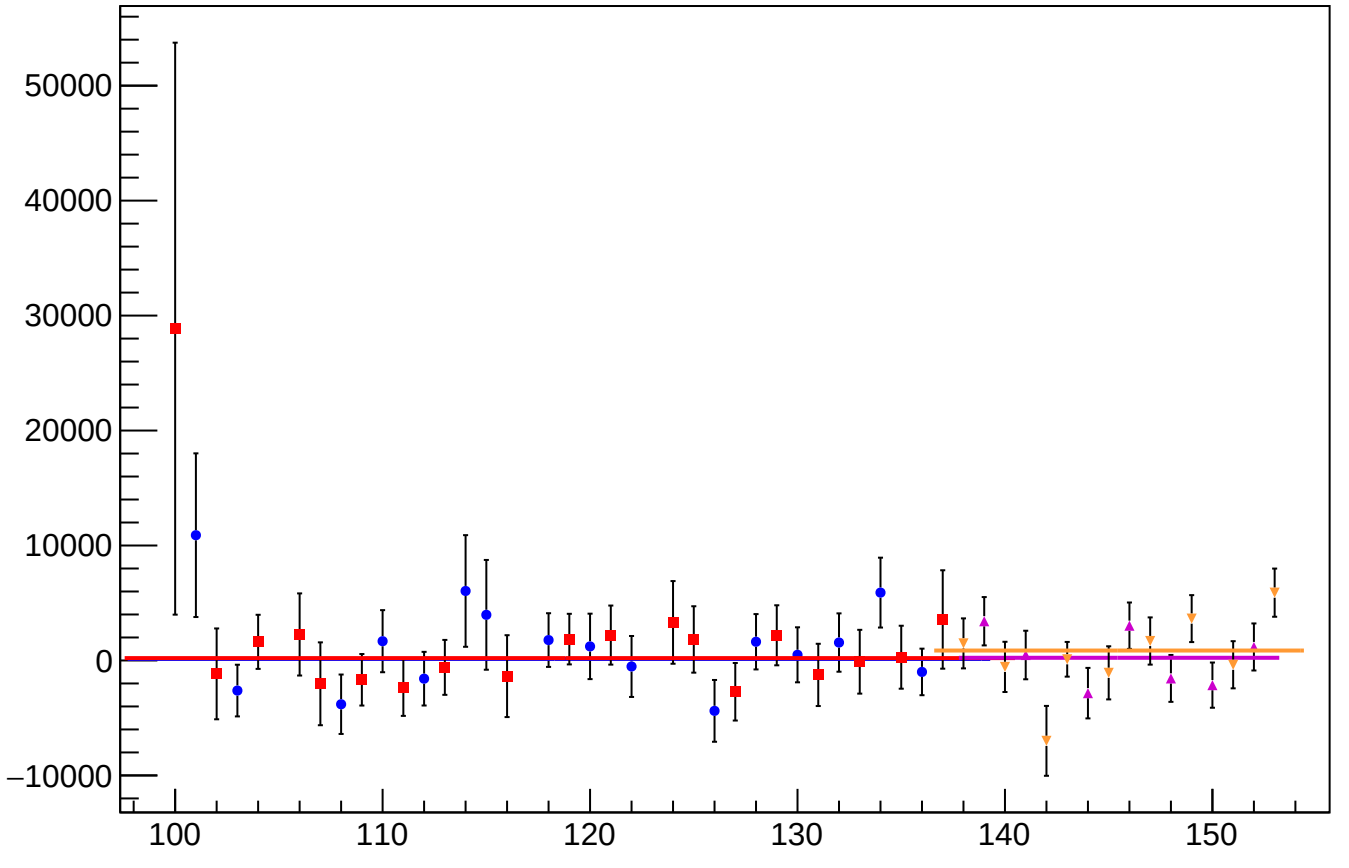
Left: 3994.845+/-0.792 χ^2/NDF: 694904.7/15

Right: 2784.841+/-0.525 χ^2/NDF: 1164684.5/34

In: 3234.154+/-0.648 χ^2/NDF:1626531.0/22

Out: 3086.409+/-0.594 χ^2/NDF:1825133.8/27

All: 3153.900+/-0.438 χ^2/NDF: 3479943.4/50



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: 864.682+/-690.498 χ^2/NDF:16.3/8

Right Out: 205.422+/-654.444 χ^2/NDF: 9.7/18

Left In: 233.385+/-780.564 χ^2/NDF:8.6/6

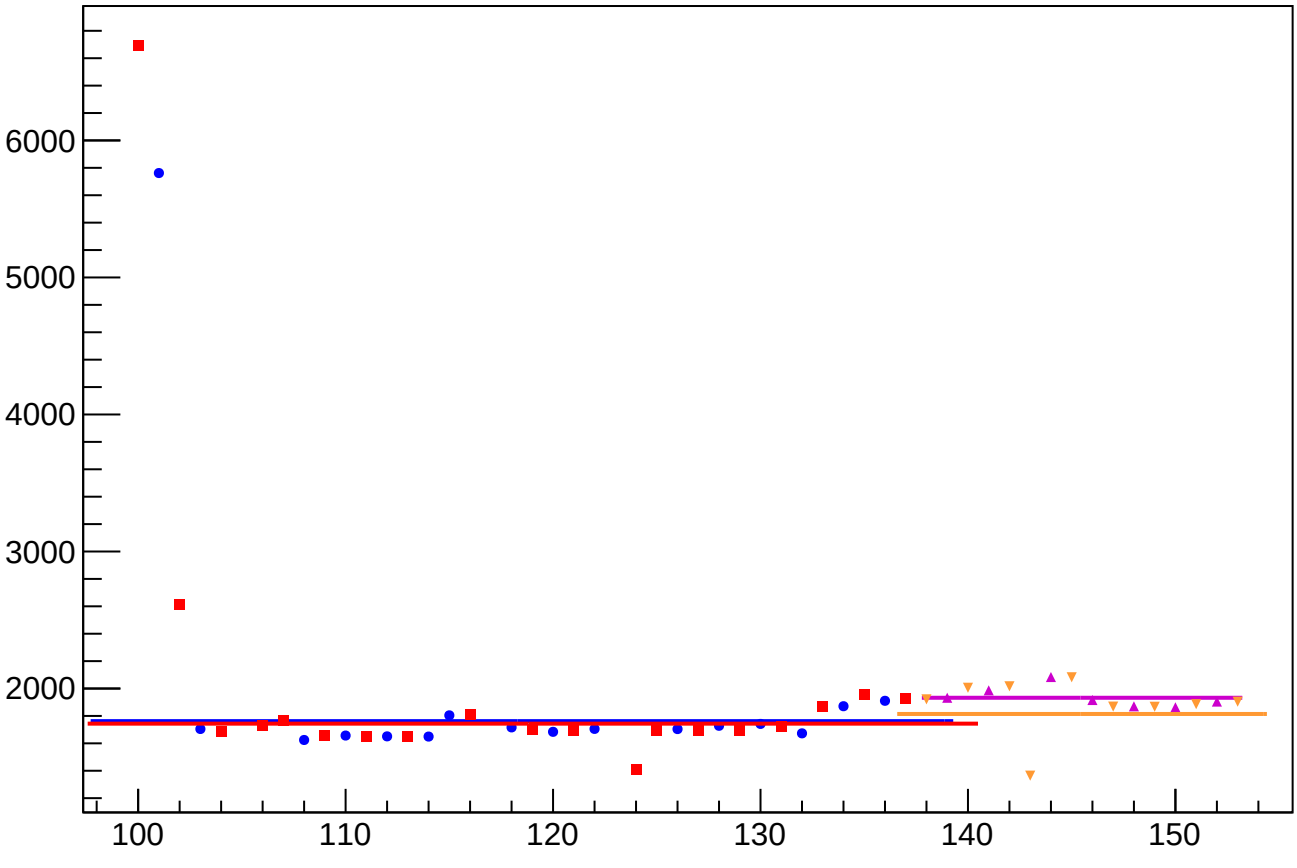
Left: 587.540+/-517.181 χ^2/NDF: 25.3/15

Right: 170.557+/-468.717 χ^2/NDF: 27.0/34

In: 176.185+/-509.105 χ^2/NDF:25.9/22

Out: 517.392+/-474.997 χ^2/NDF:26.5/27

All: 358.600+/-347.306 χ^2/NDF: 52.6/50



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1814.361+/-0.488 χ^2/NDF:242354.3/8

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1932.601+/-0.552 χ^2/NDF:15681.5/6

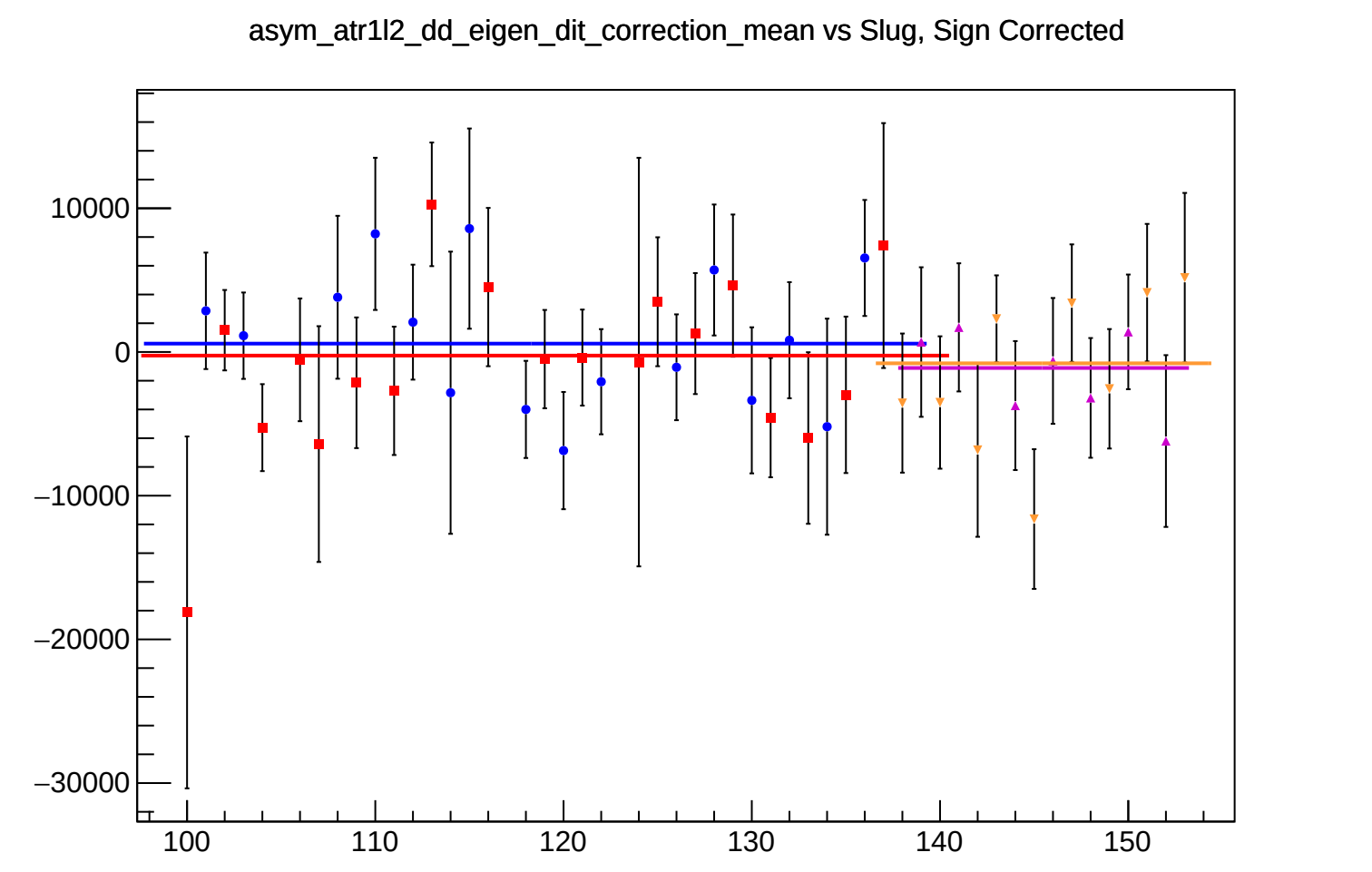
Left: 1866.269+/-0.366 χ^2/NDF: 283781.3/15

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1834.603+/-0.360 χ^2/NDF:738240.8/22

Out: 1777.048+/-0.335 χ^2/NDF:481172.4/27

All: 1803.790+/-0.245 χ^2/NDF: 1233098.1/50



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: -787.660+/-1476.456 χ^2/NDF:11.0/8

Right Out: -250.225+/-1021.010 χ^2/NDF: 17.9/18

Left In: -1113.142+/-1721.398 χ^2/NDF:2.2/6

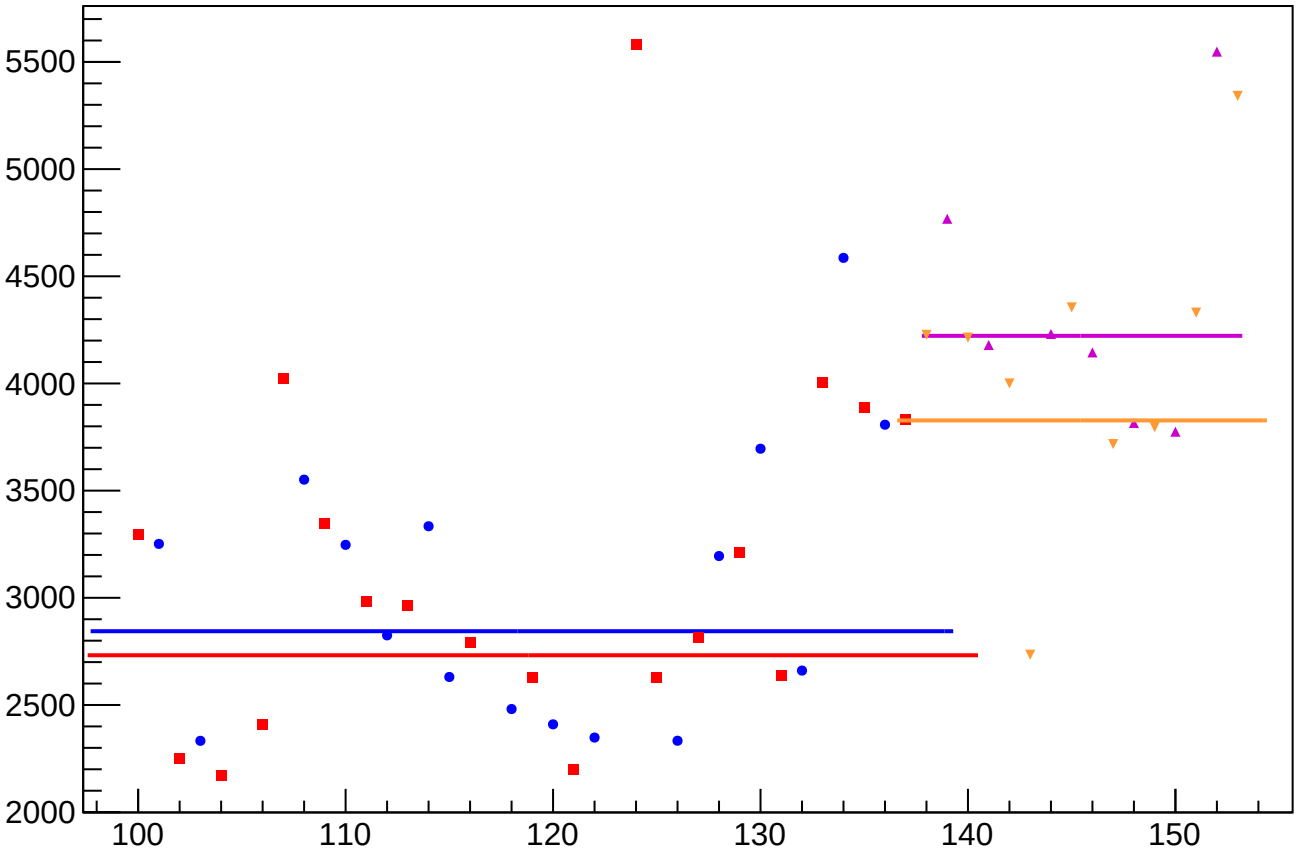
Left: -925.616+/-1120.696 χ^2/NDF: 13.3/15

Right: 142.075+/-742.420 χ^2/NDF: 33.1/34

In: 102.427+/-915.749 χ^2/NDF:17.8/22

Out: -424.089+/-839.773 χ^2/NDF:29.0/27

All: -183.575+/-618.929 χ^2/NDF: 47.0/50



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 3827.571+/-1.044 χ^2/NDF:468875.9/8

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

Left In: 4222.235+/-1.217 χ^2/NDF:165465.0/6

Left: 3994.850+/-0.792 χ^2/NDF: 694910.9/15

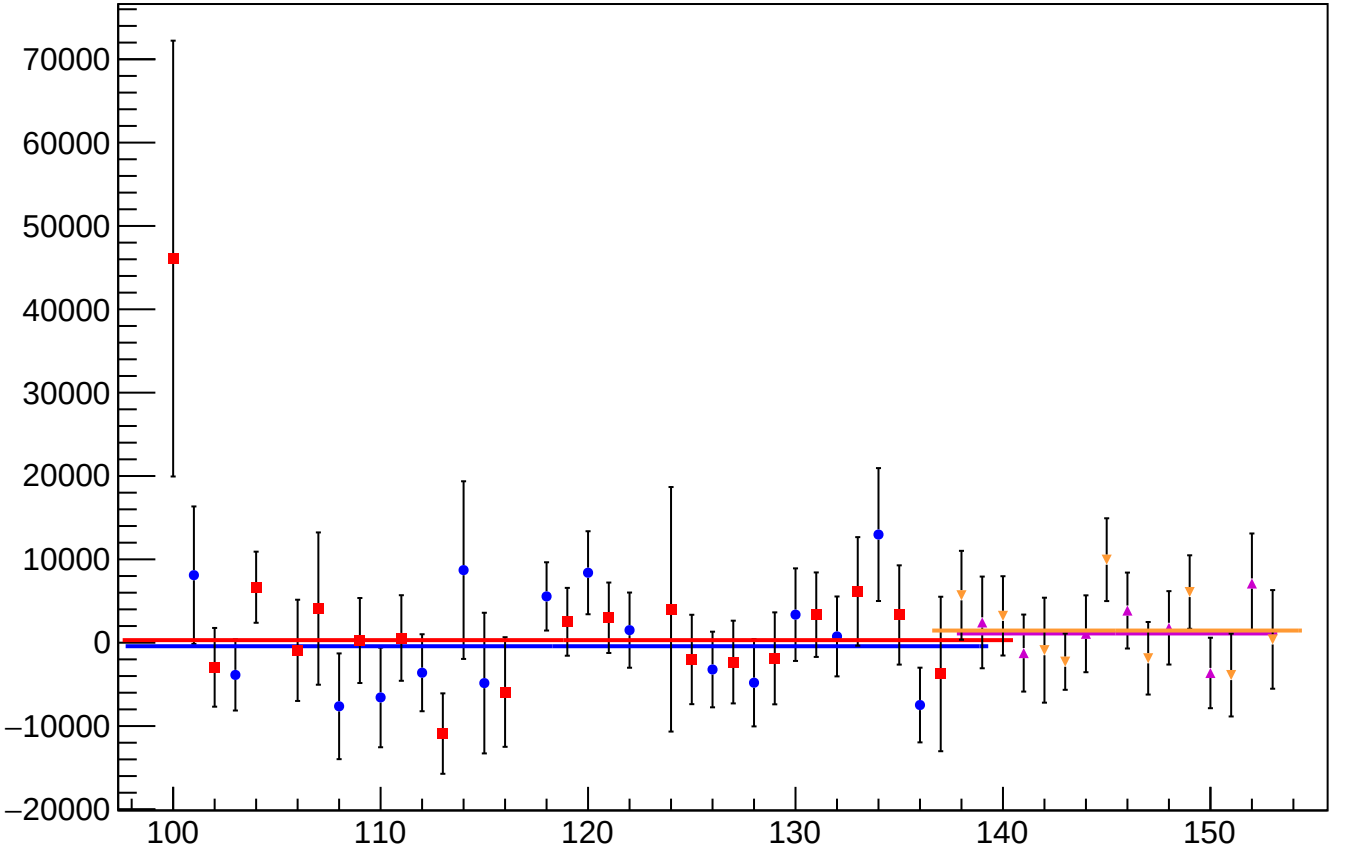
Right: 2784.835+/-0.525 χ^2/NDF: 1164685.2/34

In: 3234.148+/-0.648 χ^2/NDF:1626553.3/22

Out: 3086.405+/-0.594 χ^2/NDF:1825147.7/27

All: 3153.894+/-0.438 χ^2/NDF: 3479979.0/50

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: 1458.346+/-1569.139 χ^2/NDF:7.9/8

Right Out: 307.823+/-1275.718 χ^2/NDF: 15.3/18

Left In: 1108.781+/-1794.854 χ^2/NDF:3.0/6

Left: 1306.913+/-1181.340 χ^2/NDF: 10.9/15

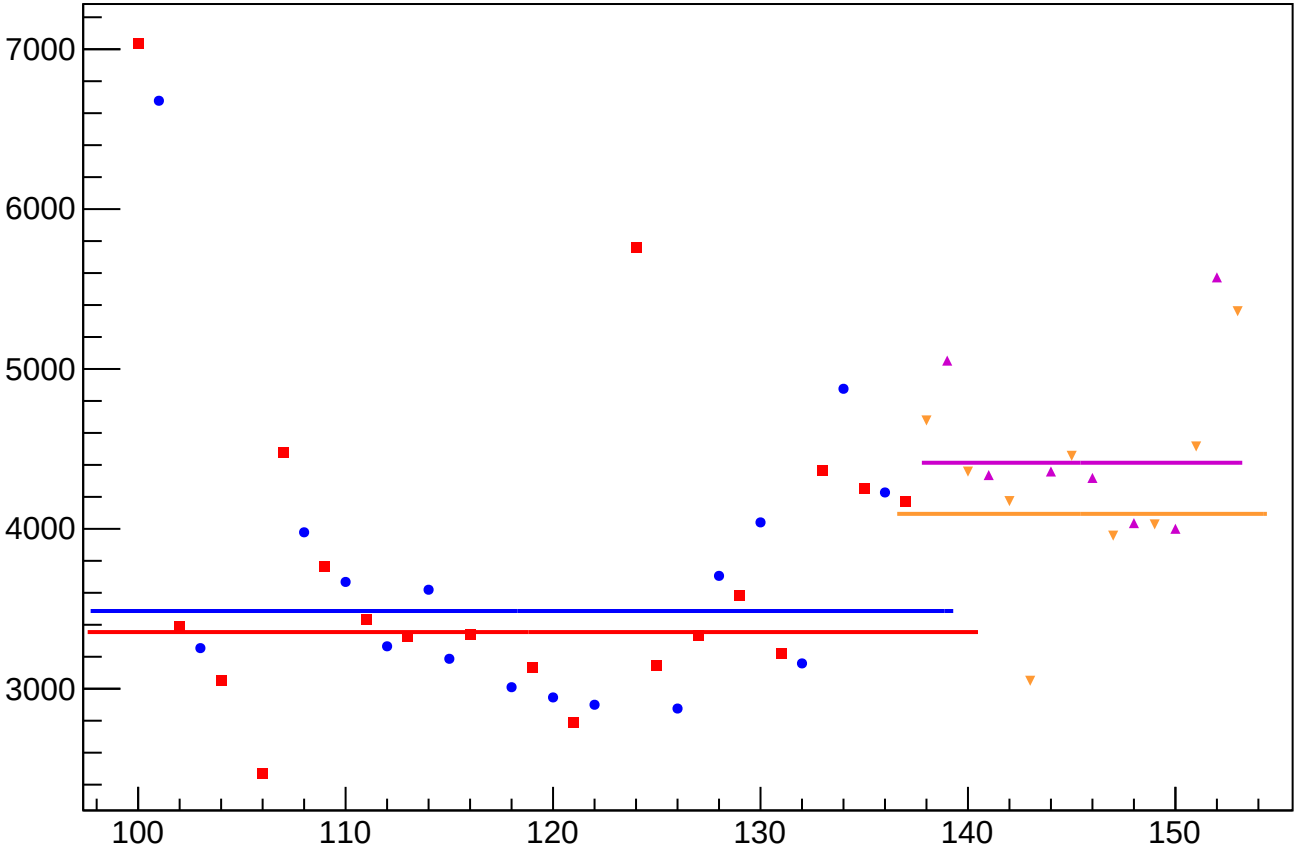
Right: -43.186+/-919.750 χ^2/NDF: 33.3/34

In: 118.425+/-1067.171 χ^2/NDF:21.3/22

Out: 765.668+/-989.858 χ^2/NDF:23.5/27

All: 466.339+/-725.730 χ^2/NDF: 45.1/50

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 4093.786+/-1.110 χ^2/NDF:341016.0/8

Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

Left In: 4413.483+/-1.269 χ^2/NDF:137170.9/6

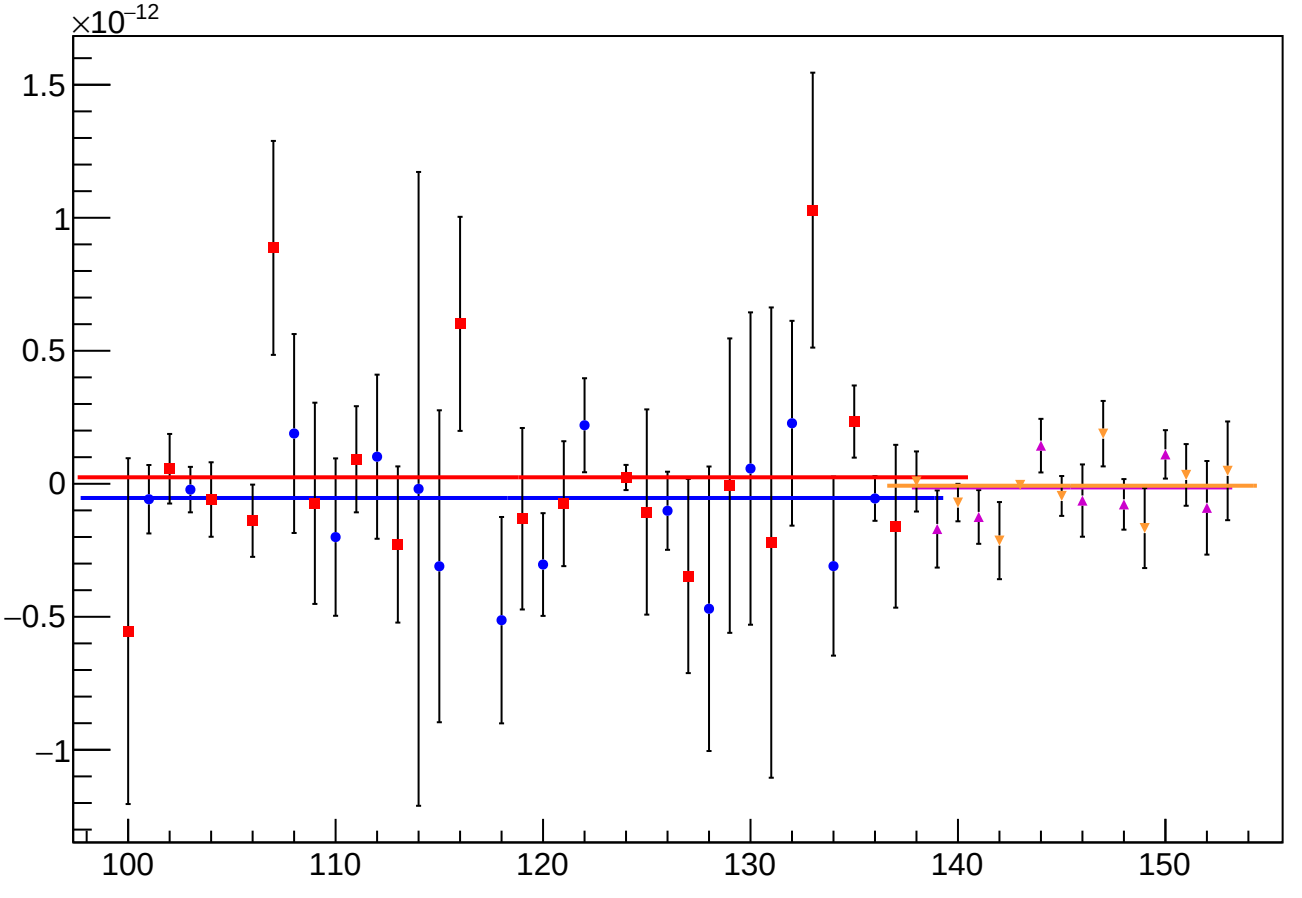
Left: 4232.280+/-0.835 χ^2/NDF: 514151.5/15

Right: 3416.767+/-0.646 χ^2/NDF: 982597.4/34

In: 3813.988+/-0.755 χ^2/NDF:1078093.5/22

Out: 3643.692+/-0.694 χ^2/NDF:987755.2/27

All: 3721.729+/-0.511 χ^2/NDF: 2093440.1/50



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.0/8

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:7.4/6

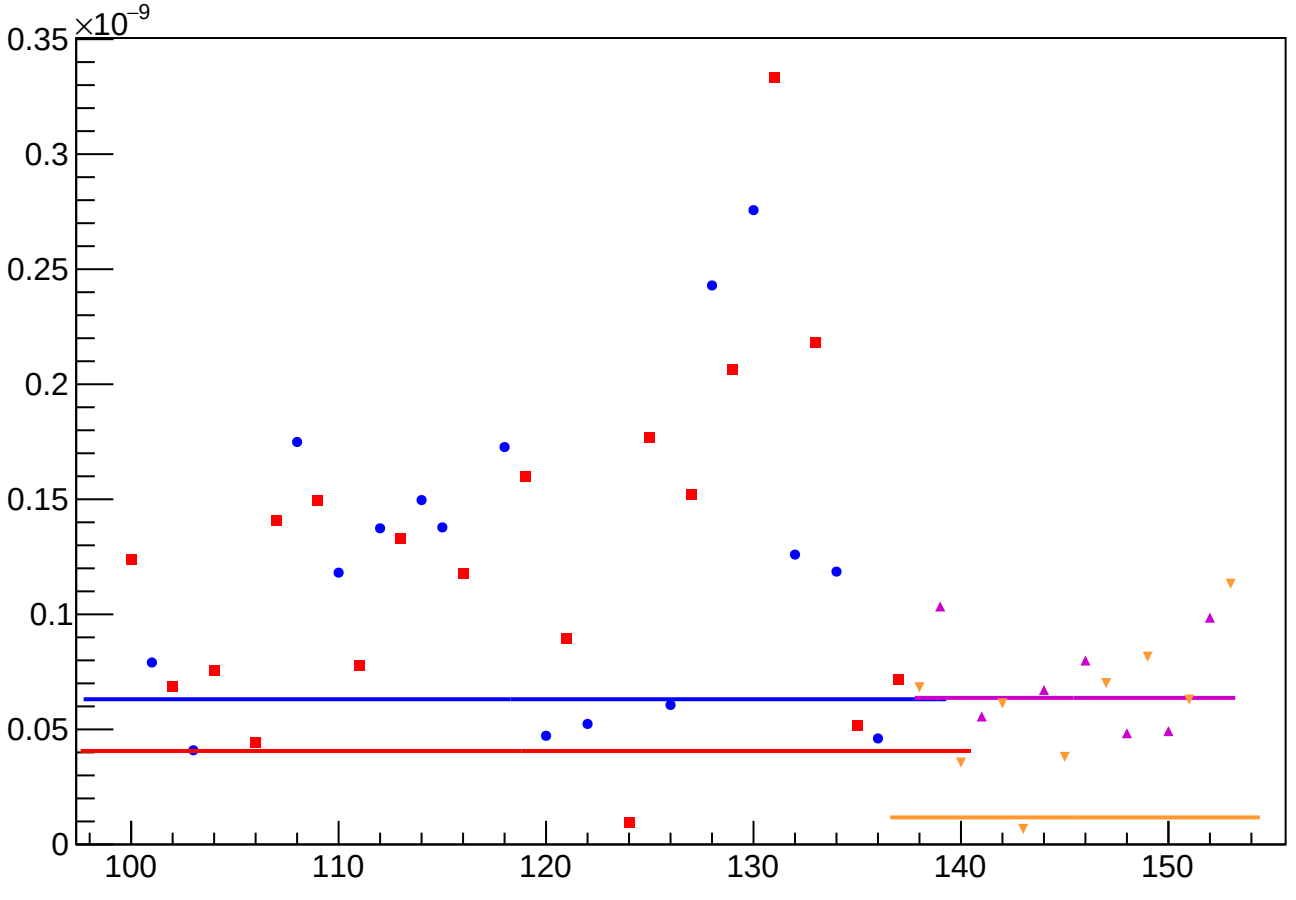
Left: -0.000+/-0.000 χ^2/NDF: 14.5/15

Right: -0.000+/-0.000 χ^2/NDF: 28.8/34

In: -0.000+/-0.000 χ^2/NDF:16.4/22

Out: -0.000+/-0.000 χ^2/NDF:26.1/27

All: -0.000+/-0.000 χ^2/NDF: 43.3/50



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3381955.6/8

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

Left In: 0.000+/-0.000 χ^2/NDF:374688.9/6

Left: 0.000+/-0.000 χ^2/NDF: 6555123.4/15

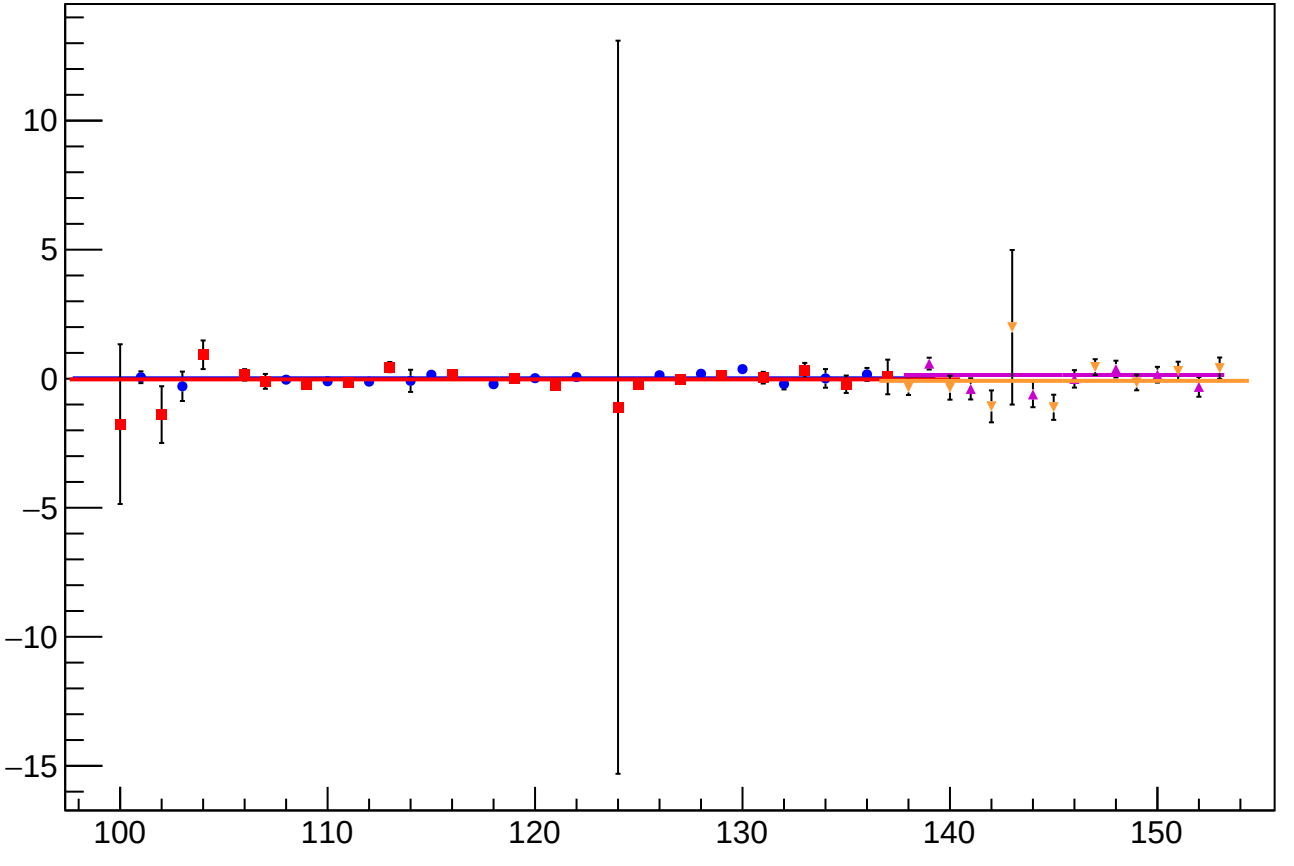
Right: 0.000+/-0.000 χ^2/NDF: 4914964.6/34

In: 0.000+/-0.000 χ^2/NDF:1806892.7/22

Out: 0.000+/-0.000 χ^2/NDF:7724607.0/27

All: 0.000+/-0.000 χ^2/NDF: 13956521.4/50

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.083+/-0.131 χ^2/NDF:14.1/8

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.144+/-0.124 χ^2/NDF:9.9/6

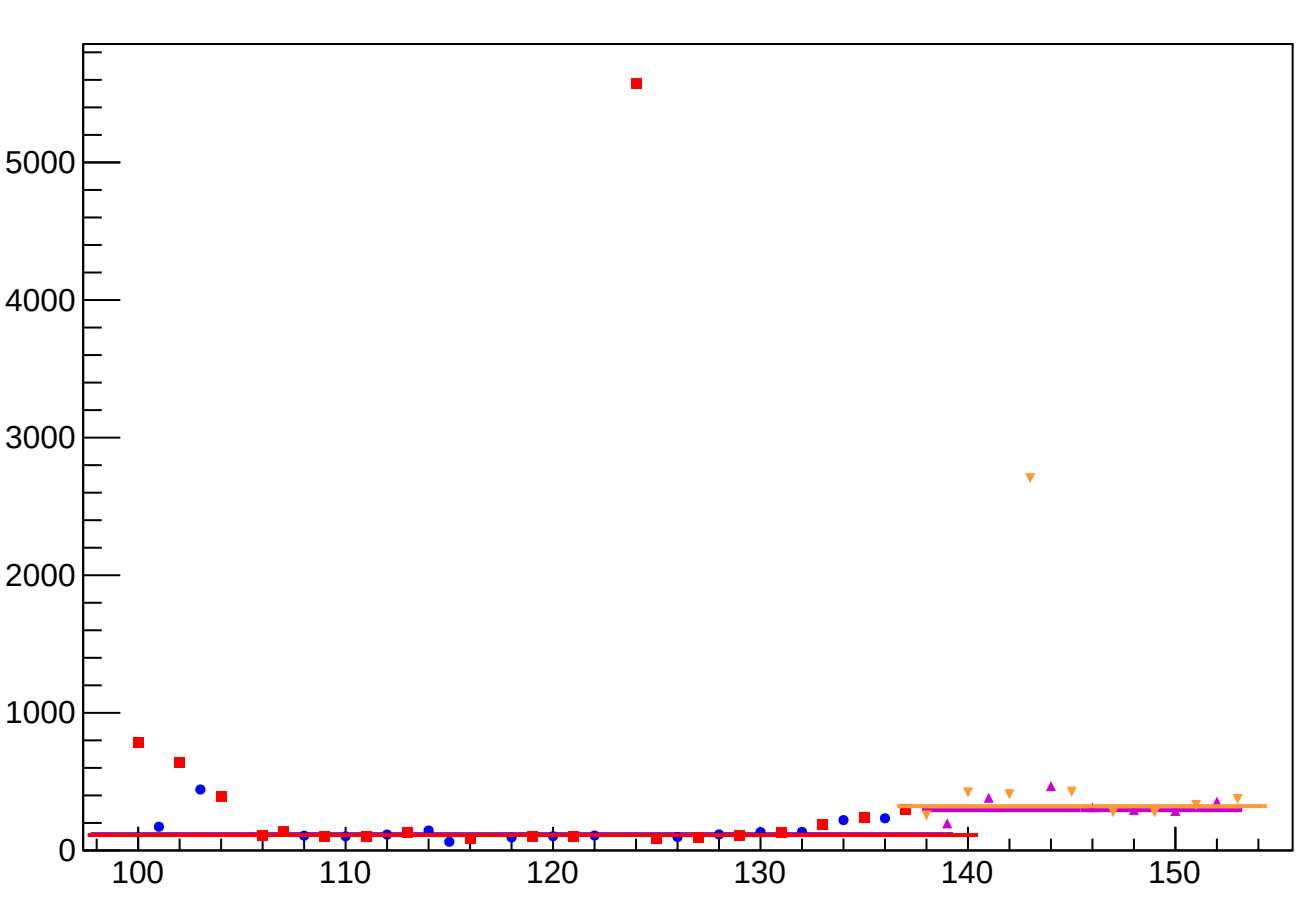
Left: 0.037+/-0.090 χ^2/NDF: 25.6/15

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.032+/-0.045 χ^2/NDF:22.7/22

Out: -0.032+/-0.044 χ^2/NDF:36.4/27

All: -0.000+/-0.031 χ^2/NDF: 60.1/50



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 321.942+/-0.093 χ^2/NDF:1716165.3/8

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 292.911+/-0.088 χ^2/NDF:756283.6/6

Left: 306.626+/-0.064 χ^2/NDF: 2524226.3/15

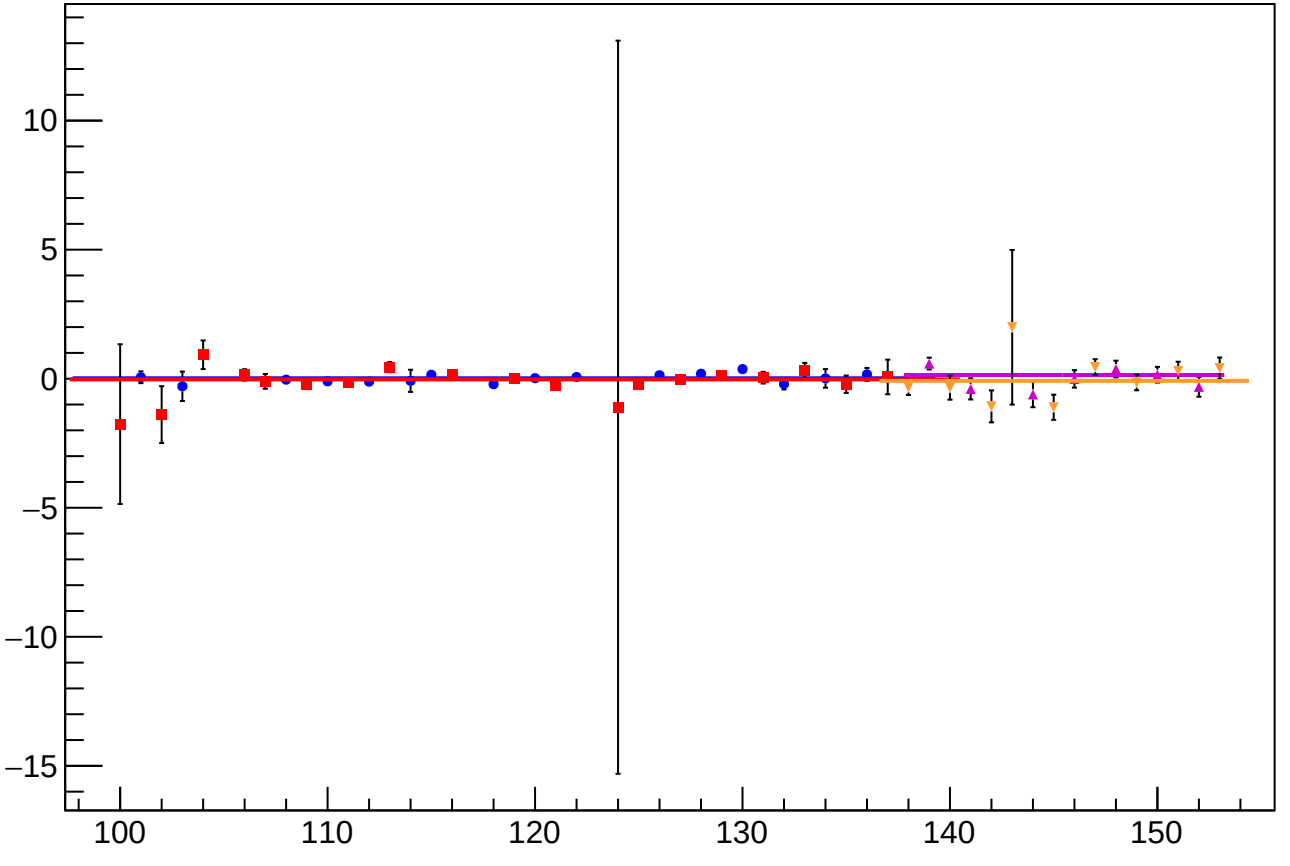
Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 140.397+/-0.032 χ^2/NDF:5954842.5/22

Out: 135.893+/-0.031 χ^2/NDF:8448326.8/27

All: 138.116+/-0.022 χ^2/NDF: 14413459.2/50

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.083+/-0.131 χ^2/NDF:14.1/8

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.144+/-0.124 χ^2/NDF:9.9/6

Left: 0.037+/-0.090 χ^2/NDF: 25.6/15

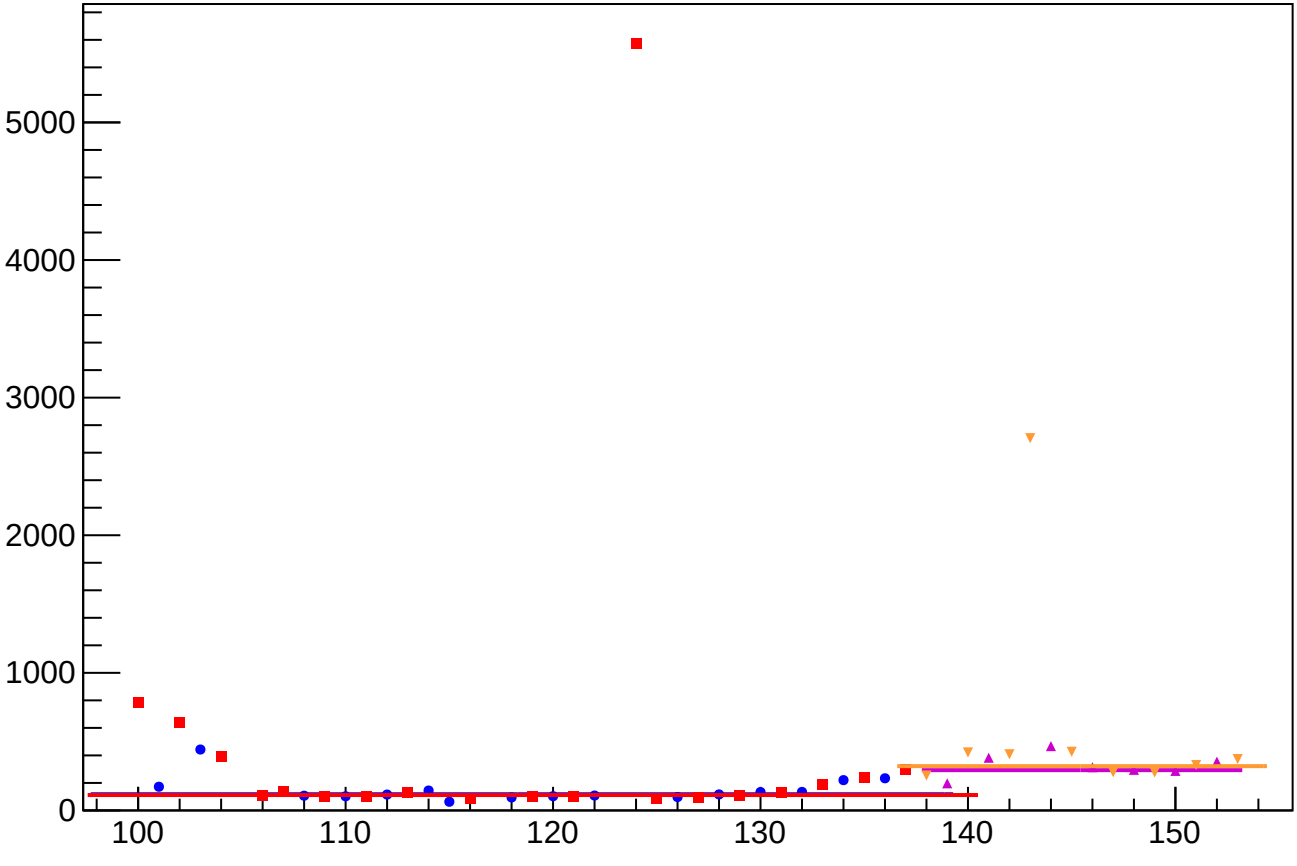
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.032+/-0.045 χ^2/NDF:22.7/22

Out: -0.032+/-0.044 χ^2/NDF:36.4/27

All: -0.000+/-0.031 χ^2/NDF: 60.1/50

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 321.942+/-0.093 χ^2/NDF:1716165.3/8

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 292.911+/-0.088 χ^2/NDF:756283.6/6

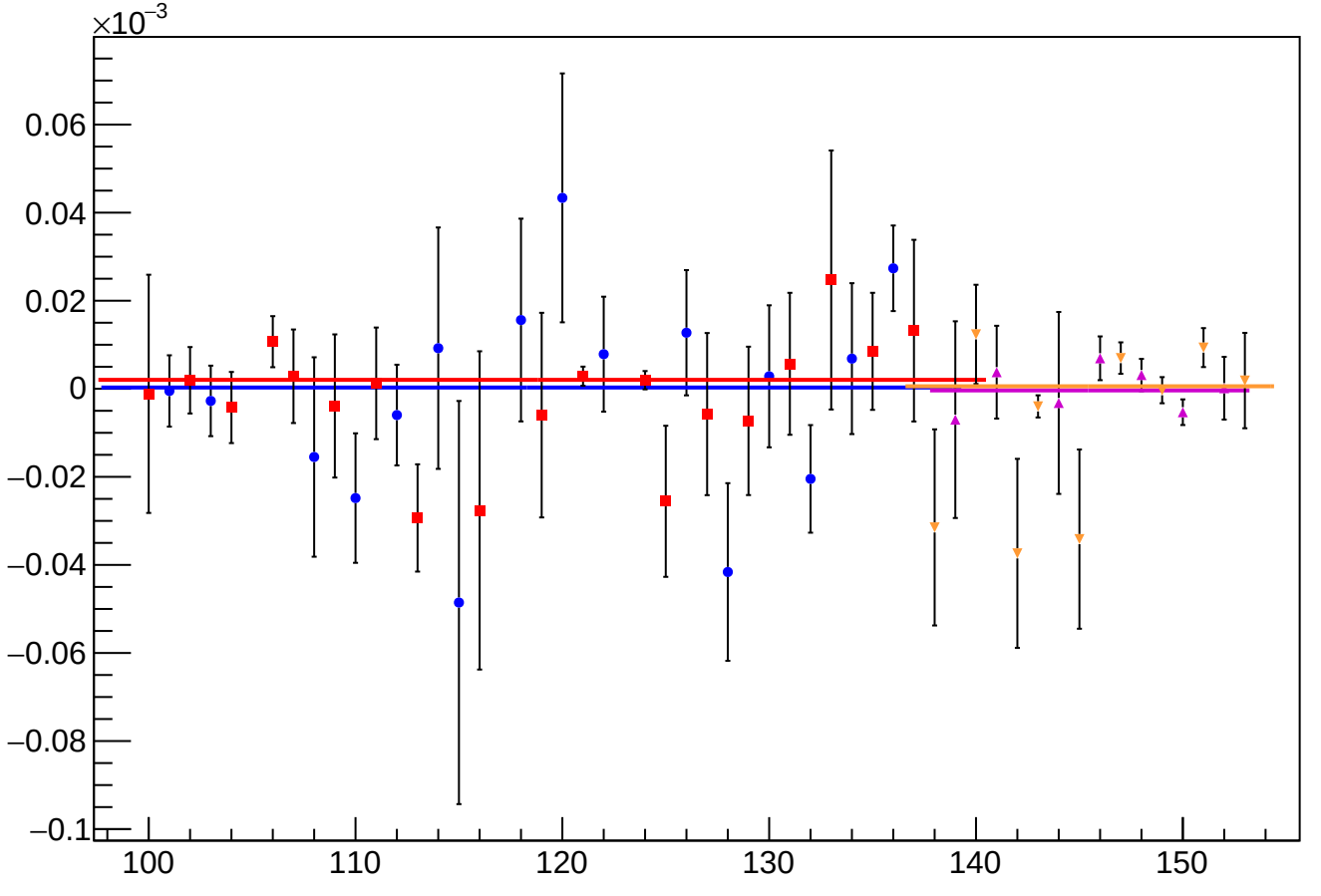
Left: 306.626+/-0.064 χ^2/NDF: 2524226.3/15

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 140.397+/-0.032 χ^2/NDF:5954842.5/22

Out: 135.893+/-0.031 χ^2/NDF:8448326.8/27

All: 138.116+/-0.022 χ^2/NDF: 14413459.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/8

Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:6.2/6

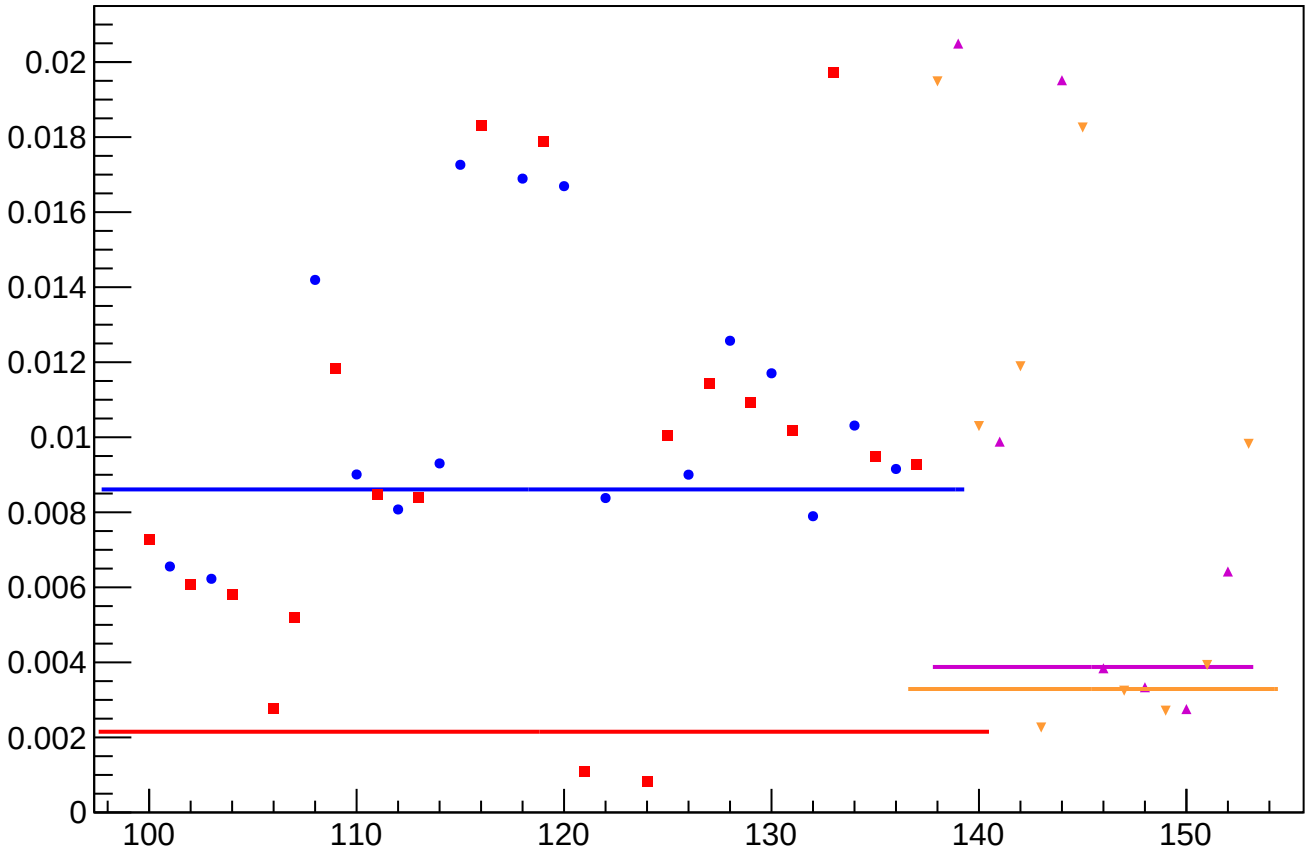
Left: 0.000+/-0.000 χ^2/NDF: 26.1/15

Right: 0.000+/-0.000 χ^2/NDF: 39.1/34

In: -0.000+/-0.000 χ^2/NDF:30.4/22

Out: 0.000+/-0.000 χ^2/NDF:35.1/27

All: 0.000+/-0.000 χ^2/NDF: 66.1/50



Right In: 0.009+/-0.000 χ^2/NDF: 1114251.2/15

Left Out: 0.003+/-0.000 χ^2/NDF:4412808.7/8

Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

Left In: 0.004+/-0.000 χ^2/NDF:3498077.7/6

Left: 0.004+/-0.000 χ^2/NDF: 8023712.8/15

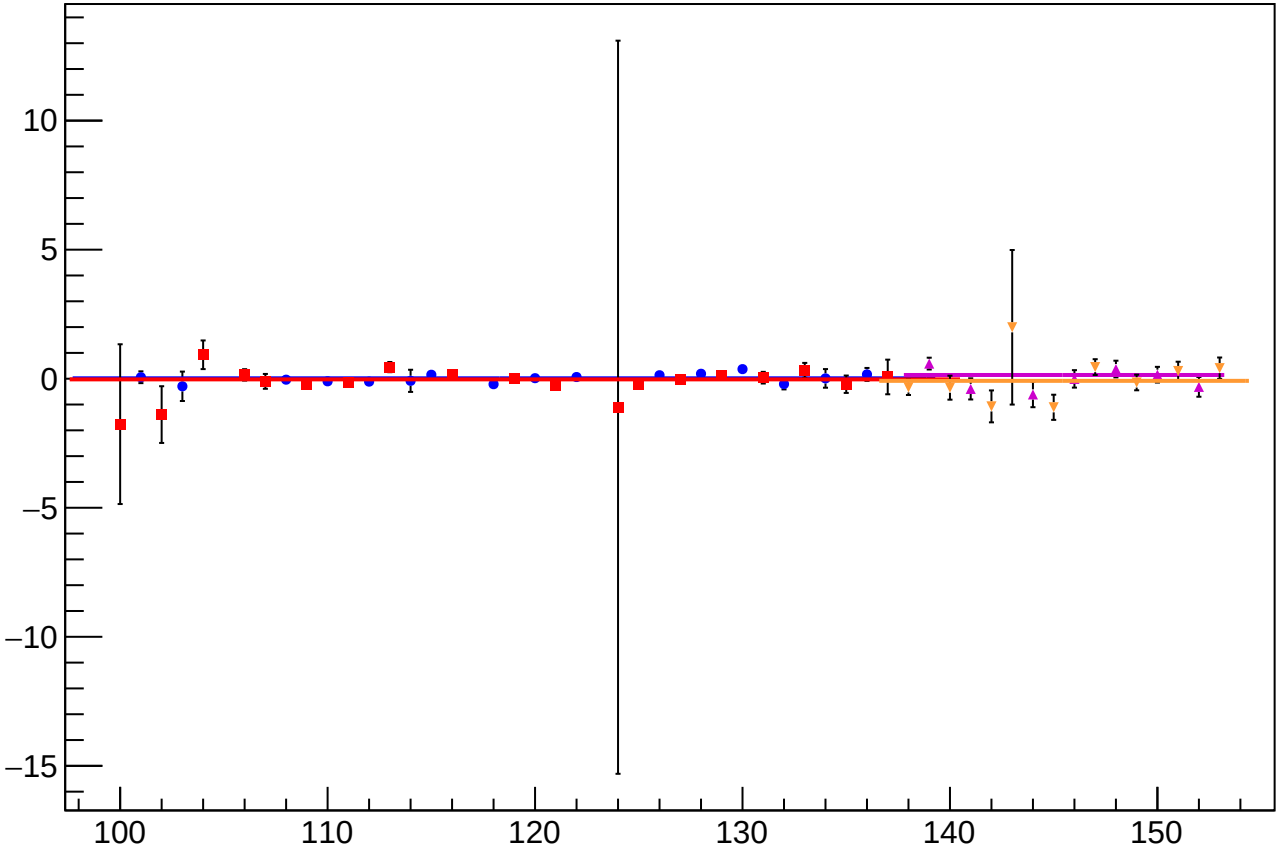
Right: 0.003+/-0.000 χ^2/NDF: 16533209.6/34

In: 0.005+/-0.000 χ^2/NDF:7570020.1/22

Out: 0.003+/-0.000 χ^2/NDF:14125450.6/27

All: 0.003+/-0.000 χ^2/NDF: 24716772.7/50

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.083+/-0.131 χ^2/NDF:14.1/8

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.144+/-0.124 χ^2/NDF:9.9/6

Left: 0.037+/-0.090 χ^2/NDF: 25.6/15

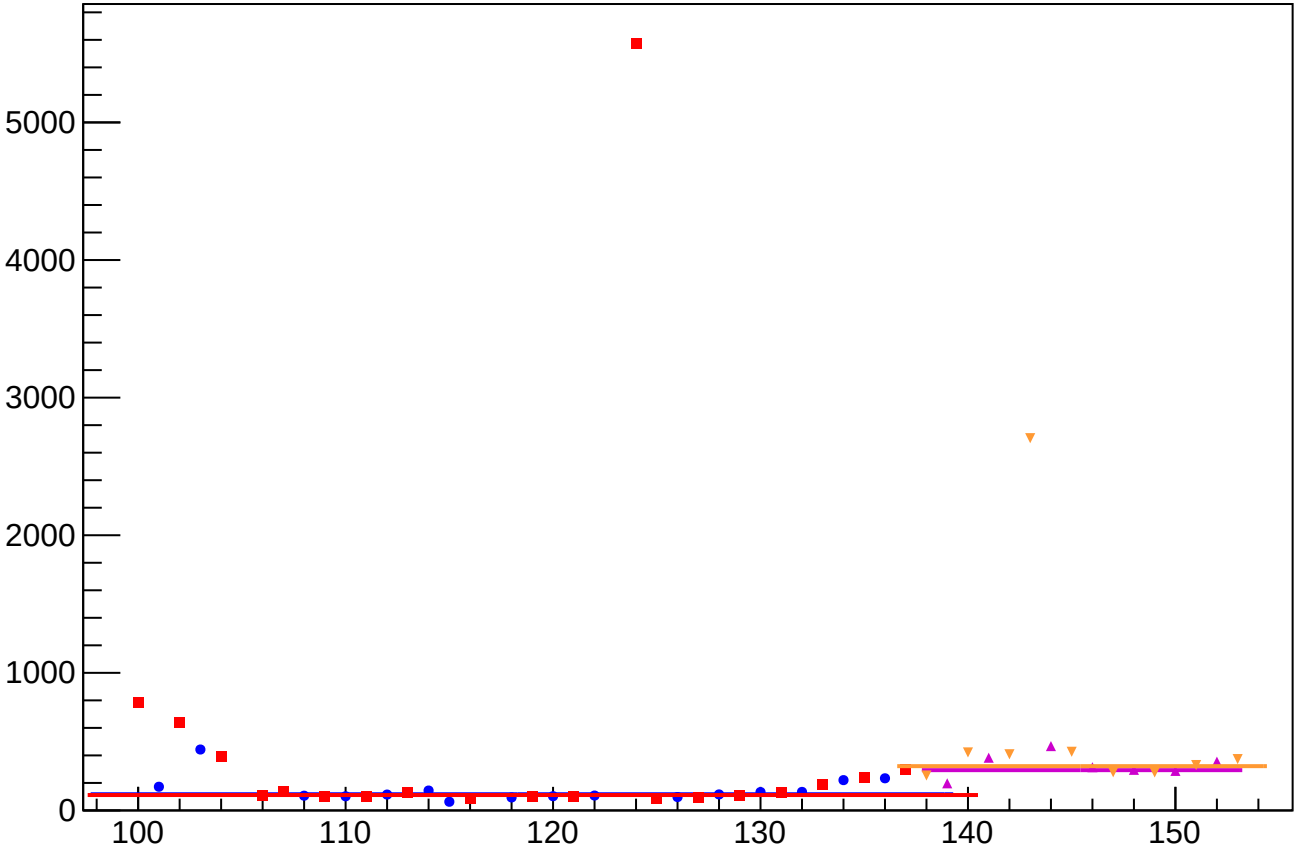
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.032+/-0.045 χ^2/NDF:22.7/22

Out: -0.032+/-0.044 χ^2/NDF:36.4/27

All: -0.000+/-0.031 χ^2/NDF: 60.1/50

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 321.944+/-0.093 χ^2/NDF:1716192.0/8

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 292.915+/-0.088 χ^2/NDF:756269.5/6

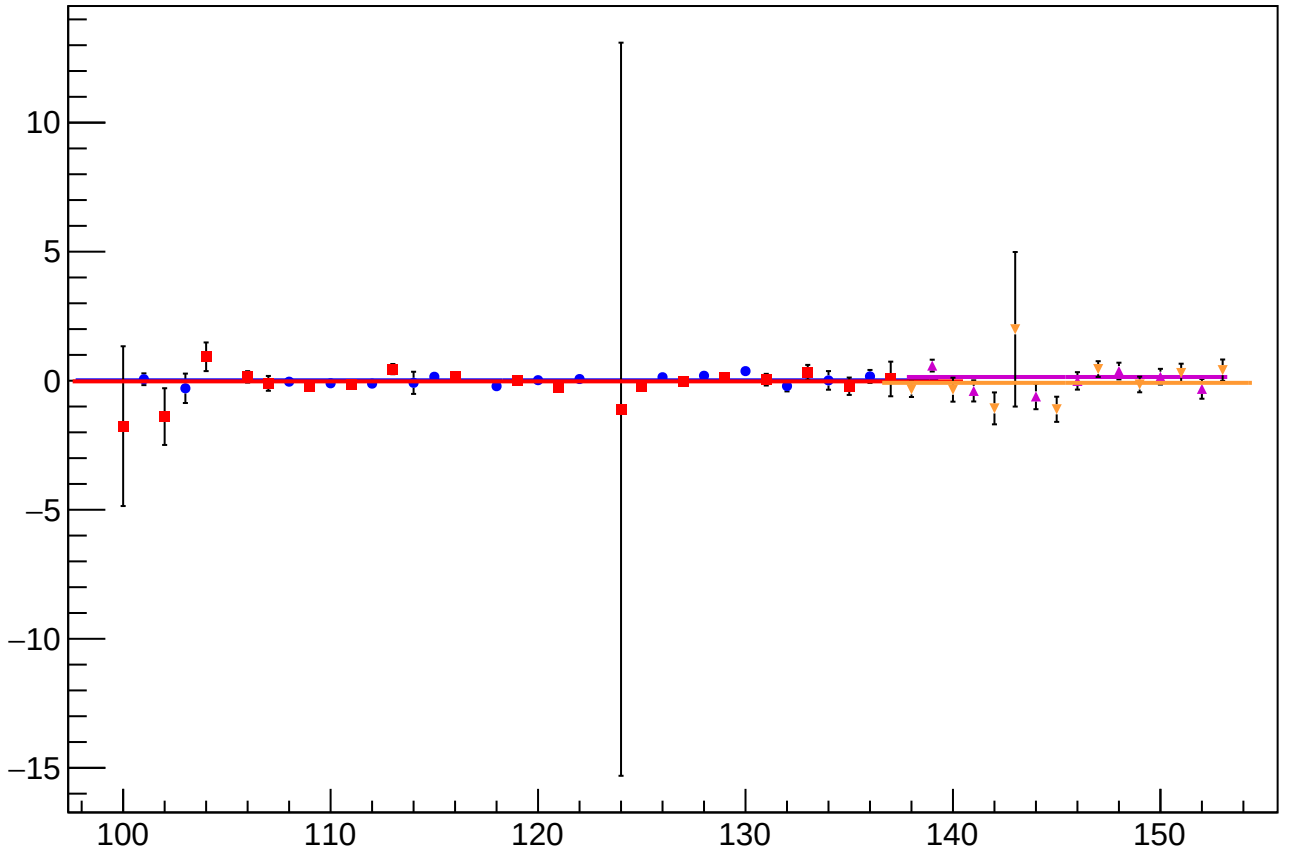
Left: 306.629+/-0.064 χ^2/NDF: 2524234.6/15

Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 140.397+/-0.032 χ^2/NDF:5954861.0/22

Out: 135.895+/-0.031 χ^2/NDF:8448242.2/27

All: 138.117+/-0.022 χ^2/NDF: 14413384.9/50



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: -0.083+/-0.131 χ^2/NDF:14.1/8

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.144+/-0.124 χ^2/NDF:9.9/6

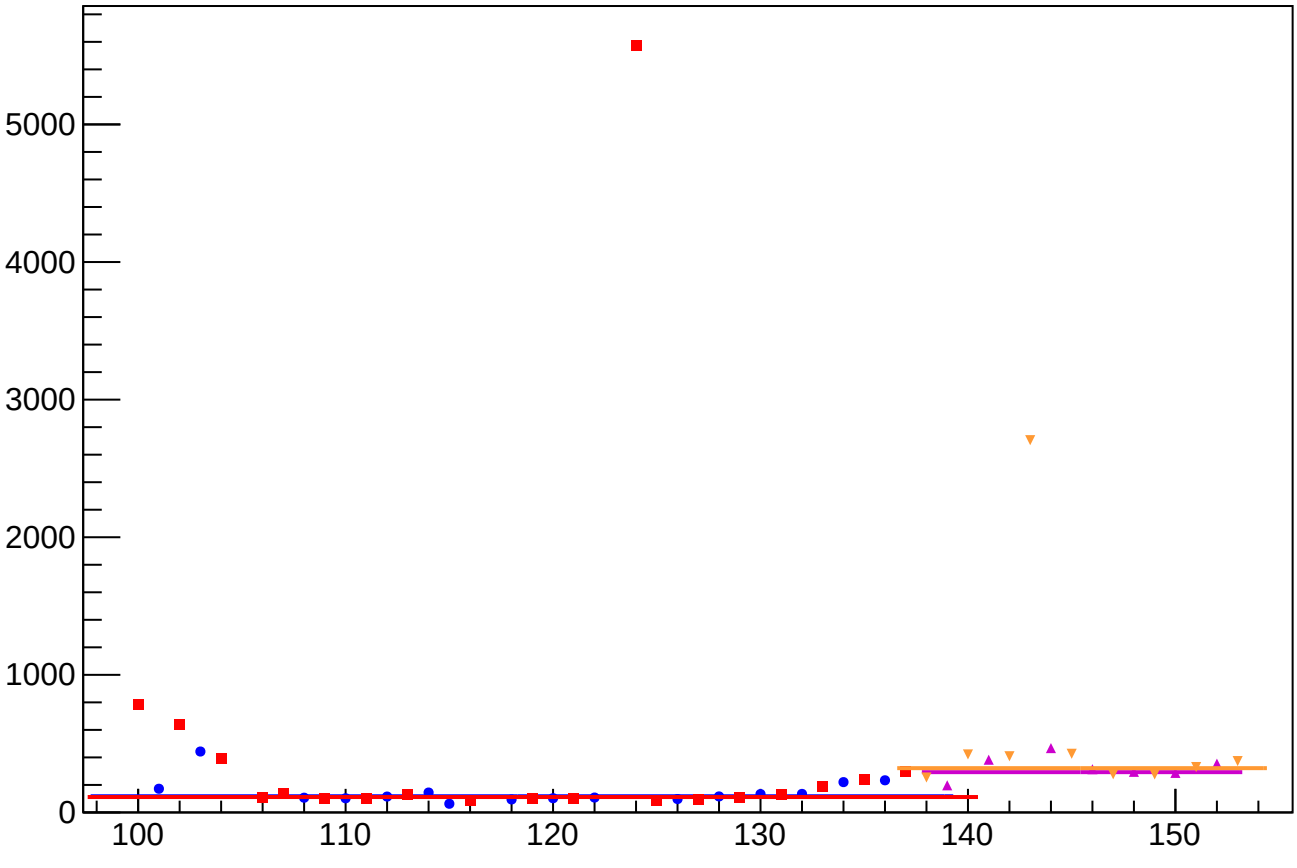
Left: 0.037+/-0.090 χ^2/NDF: 25.6/15

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.032+/-0.045 χ^2/NDF:22.7/22

Out: -0.032+/-0.044 χ^2/NDF:36.4/27

All: -0.000+/-0.031 χ^2/NDF: 60.1/50



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 321.944+/-0.093 χ^2/NDF:1716192.0/8

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 292.915+/-0.088 χ^2/NDF:756269.5/6

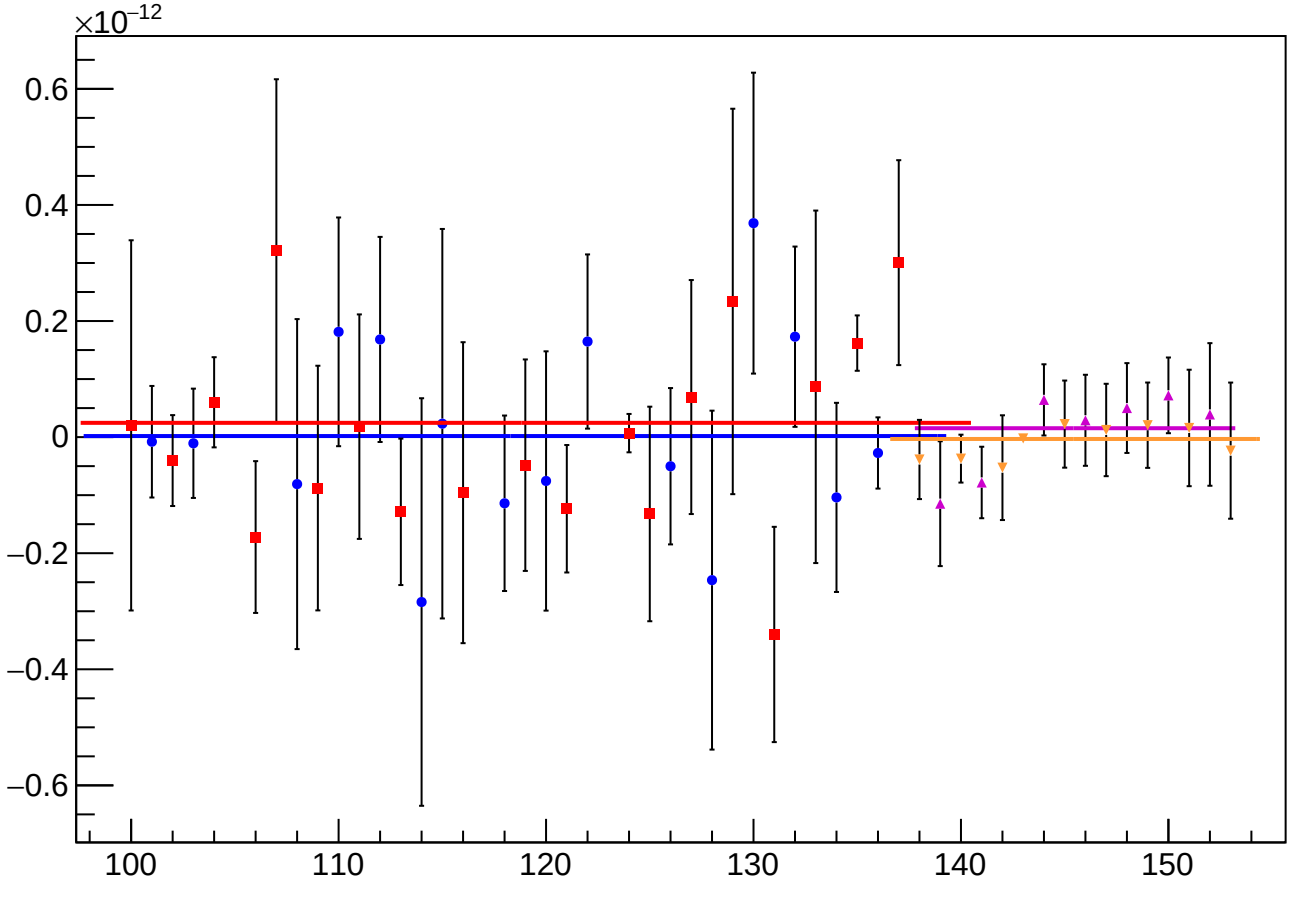
Left: 306.629+/-0.064 χ^2/NDF: 2524234.6/15

Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 140.397+/-0.032 χ^2/NDF:5954861.0/22

Out: 135.895+/-0.031 χ^2/NDF:8448242.2/27

All: 138.117+/-0.022 χ^2/NDF: 14413384.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:1.6/8

Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: 0.000+/-0.000 χ^2/NDF:5.4/6

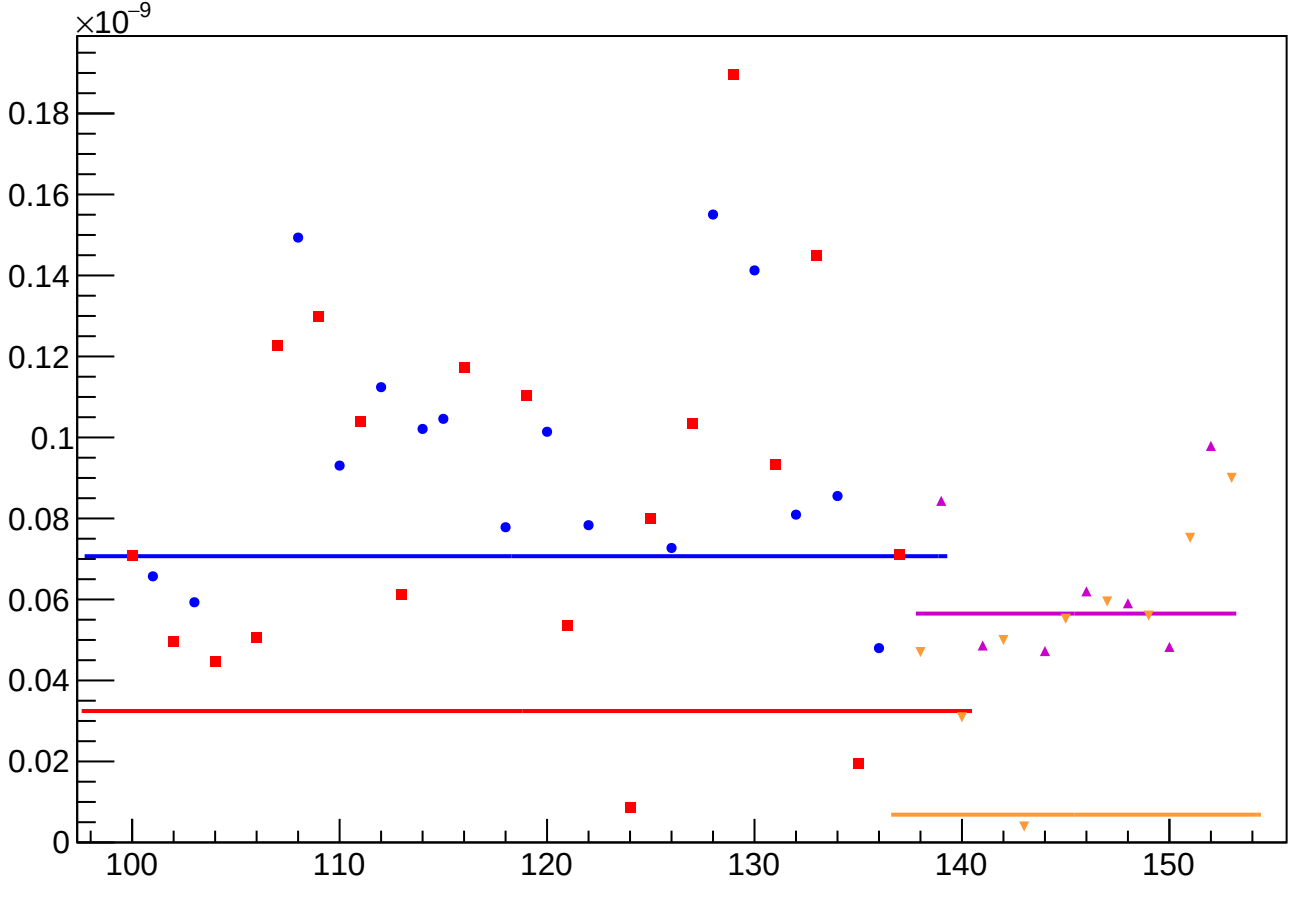
Left: -0.000+/-0.000 χ^2/NDF: 7.4/15

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:14.6/22

Out: -0.000+/-0.000 χ^2/NDF:27.3/27

All: -0.000+/-0.000 χ^2/NDF: 42.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 1023708.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:6753664.6/8

Right Out: 0.000+/-0.000 χ^2/NDF: 4449161.8/18

Left In: 0.000+/-0.000 χ^2/NDF:483289.4/6

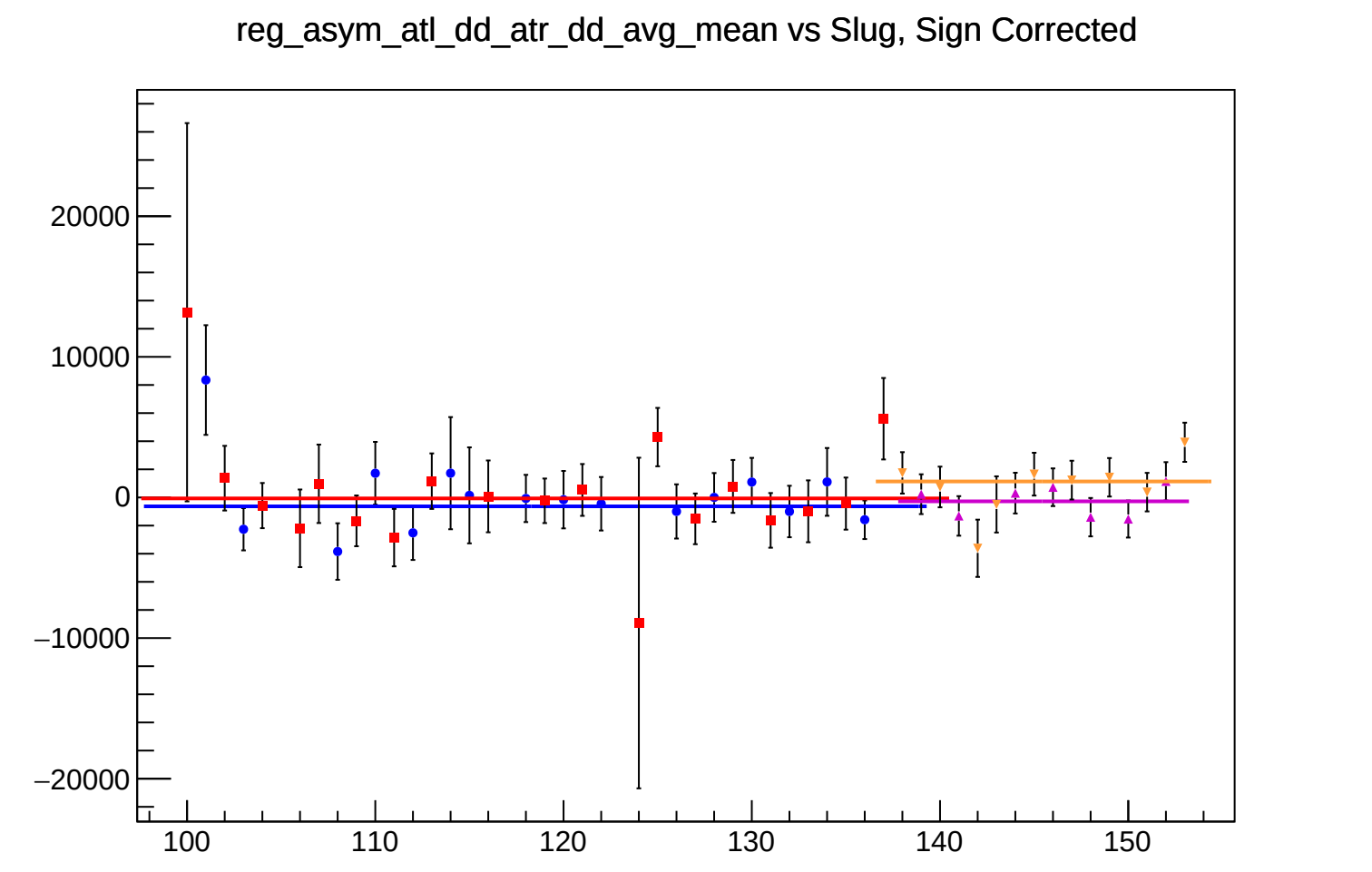
Left: 0.000+/-0.000 χ^2/NDF: 13085986.0/15

Right: 0.000+/-0.000 χ^2/NDF: 7239318.8/34

In: 0.000+/-0.000 χ^2/NDF:1708941.3/22

Out: 0.000+/-0.000 χ^2/NDF:13779385.0/27

All: 0.000+/-0.000 χ^2/NDF: 26498383.1/50



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1139.063+/-501.771 χ^2/NDF:10.8/8

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -274.938+/-520.586 χ^2/NDF:4.1/6

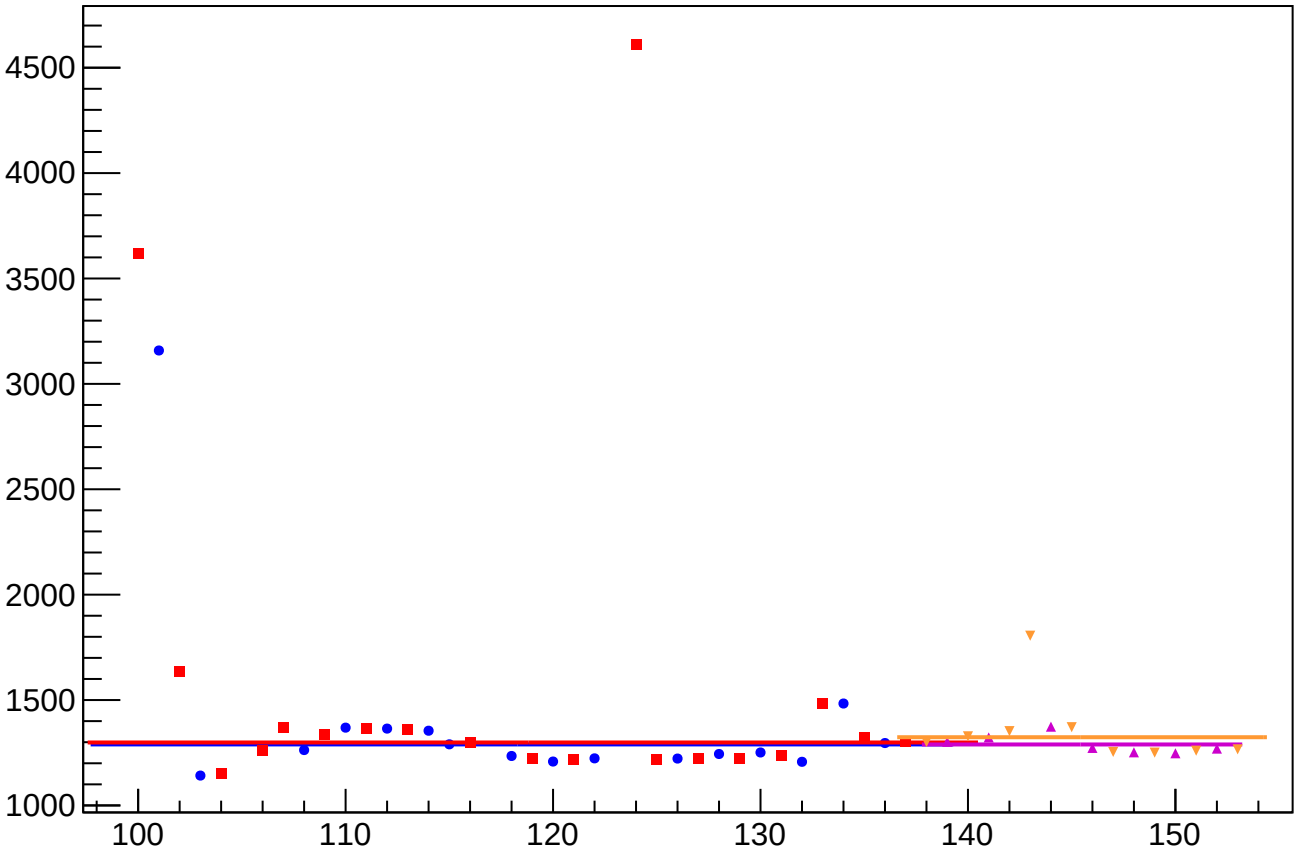
Left: 458.076+/-361.274 χ^2/NDF: 18.7/15

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -464.242+/-356.288 χ^2/NDF:18.2/22

Out: 518.628+/-349.747 χ^2/NDF:29.7/27

All: 36.298+/-249.589 χ^2/NDF: 51.8/50



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1323.615+/-0.355 χ^2/NDF:137669.4/8

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1289.223+/-0.368 χ^2/NDF:12310.3/6

Left: 1307.052+/-0.255 χ^2/NDF: 154504.9/15

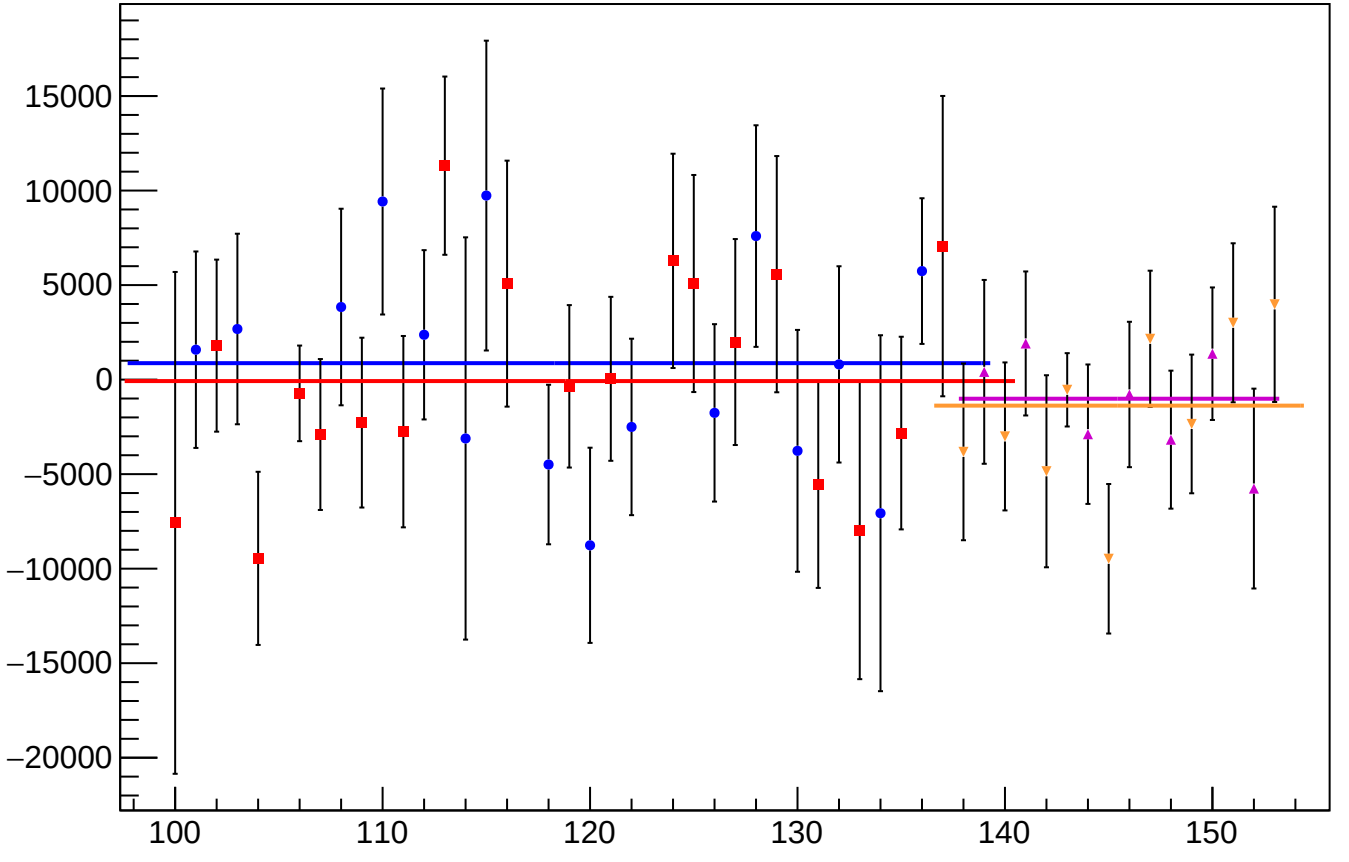
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1289.352+/-0.252 χ^2/NDF:526985.6/22

Out: 1310.749+/-0.247 χ^2/NDF:459595.2/27

All: 1300.263+/-0.176 χ^2/NDF: 990259.1/50

asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -1376.366+/-1174.533 χ^2/NDF:8.5/8

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -1011.118+/-1499.665 χ^2/NDF:2.6/6

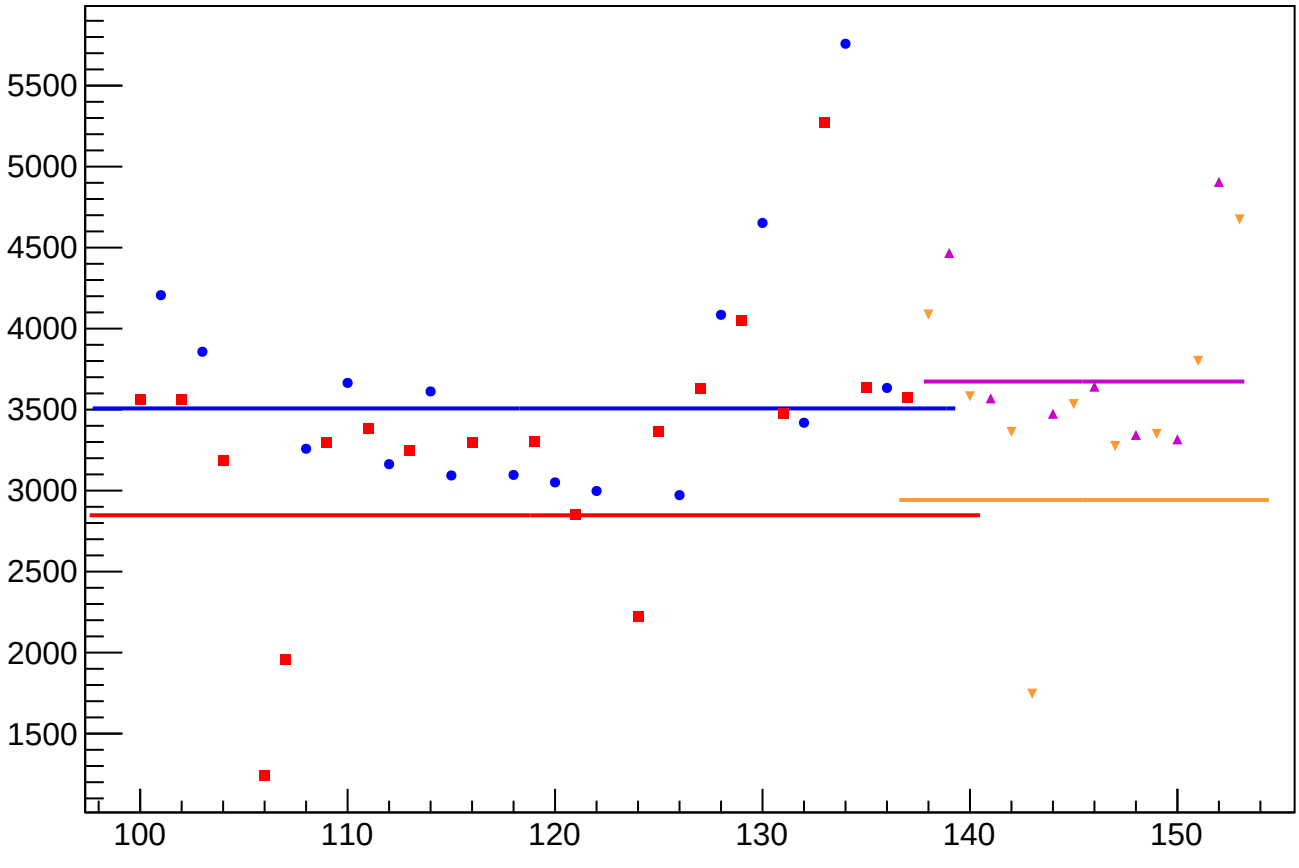
Left: -1237.502+/-924.687 χ^2/NDF: 11.1/15

Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: 45.290+/-993.072 χ^2/NDF:17.5/22

Out: -690.805+/-807.150 χ^2/NDF:27.5/27

All: -397.977+/-626.354 χ^2/NDF: 45.3/50



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 2941.812+/-0.831 χ^2/NDF:1342546.7/8

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 3673.333+/-1.060 χ^2/NDF:206565.8/6

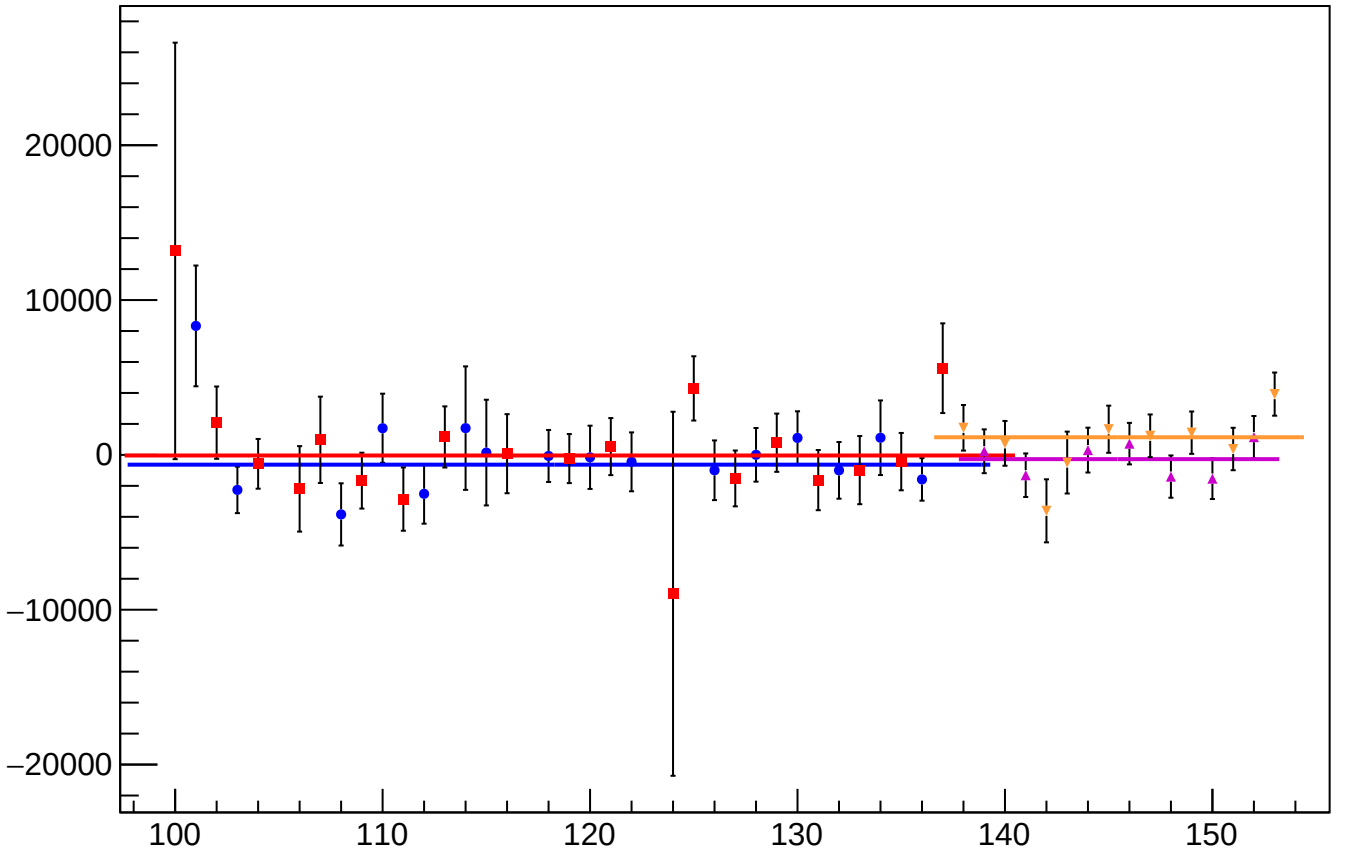
Left: 3219.929+/-0.654 χ^2/NDF: 1844065.9/15

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3580.160+/-0.702 χ^2/NDF:574293.8/22

Out: 2892.215+/-0.571 χ^2/NDF:2848677.8/27

All: 3165.888+/-0.443 χ^2/NDF: 4000945.1/50



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1139.012+/-501.771 χ^2/NDF:10.8/8

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -274.899+/-520.586 χ^2/NDF:4.1/6

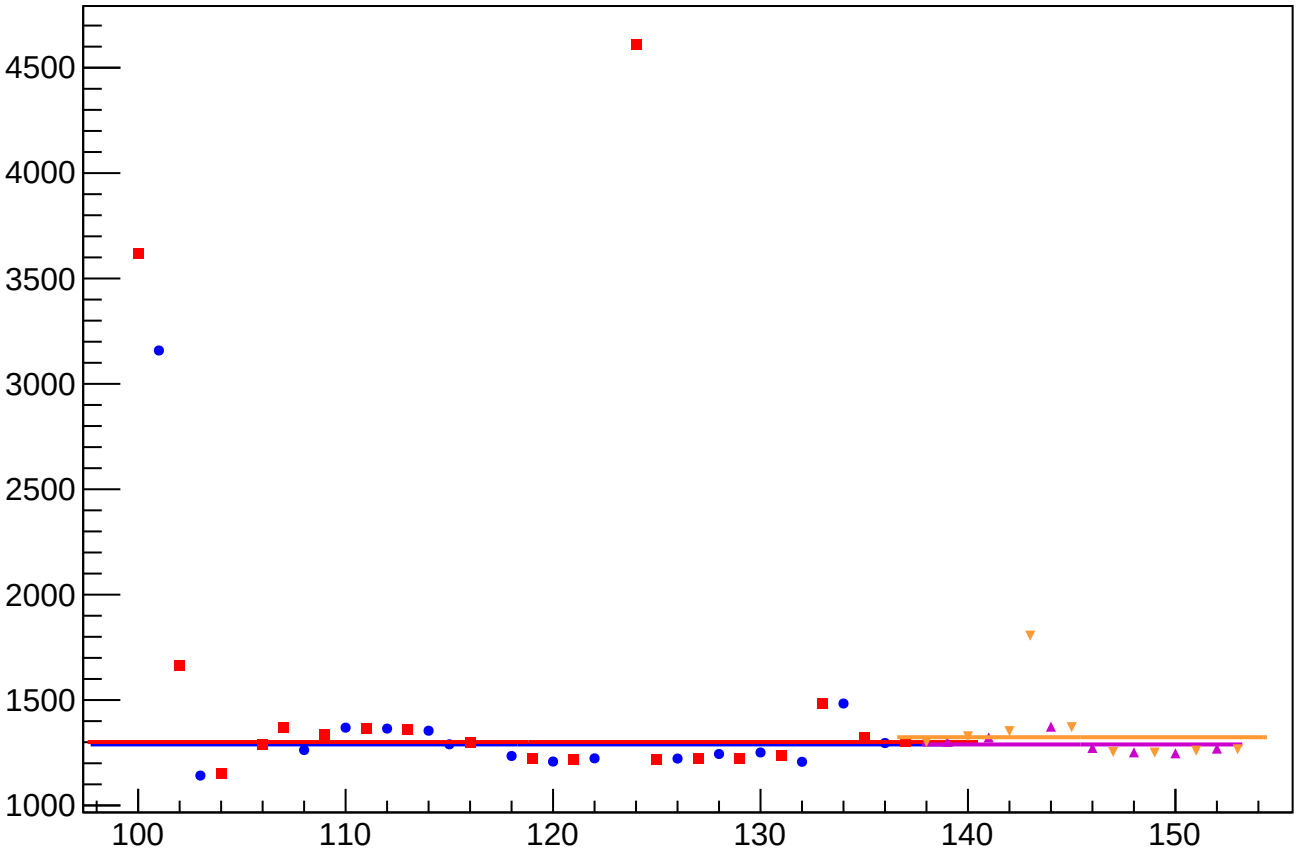
Left: 458.068+/-361.274 χ^2/NDF: 18.7/15

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -464.428+/-356.288 χ^2/NDF:18.2/22

Out: 533.914+/-349.866 χ^2/NDF:30.0/27

All: 43.821+/-249.632 χ^2/NDF: 52.2/50



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1323.615+/-0.355 χ^2/NDF:137669.4/8

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1289.223+/-0.368 χ^2/NDF:12310.3/6

Left: 1307.052+/-0.255 χ^2/NDF: 154504.9/15

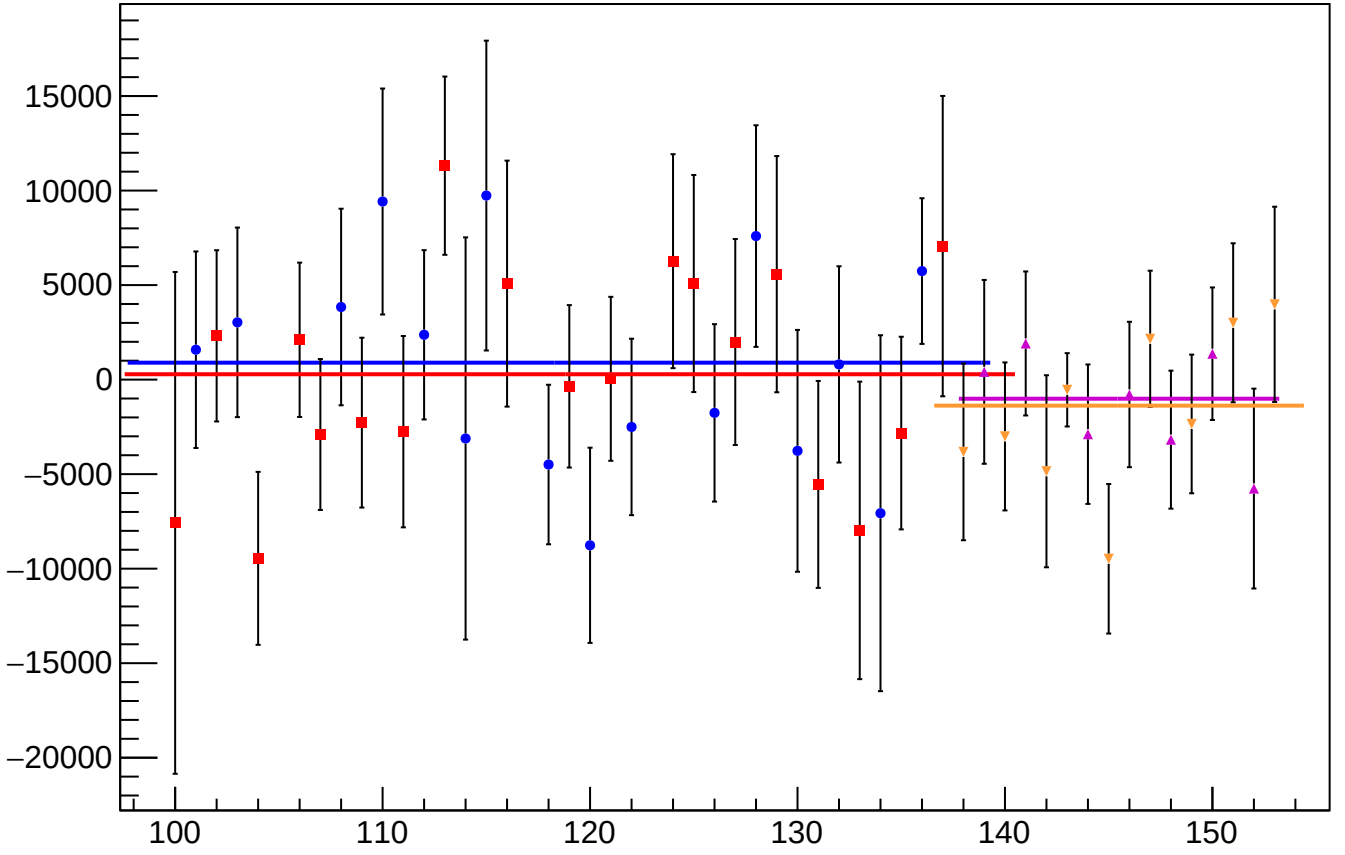
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1289.352+/-0.252 χ^2/NDF:526987.0/22

Out: 1311.811+/-0.247 χ^2/NDF:465727.2/27

All: 1300.797+/-0.176 χ^2/NDF: 996763.9/50

asym_atl_dd_atr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1376.293+/-1174.530 χ^2/NDF:8.5/8

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -1011.150+/-1499.663 χ^2/NDF:2.6/6

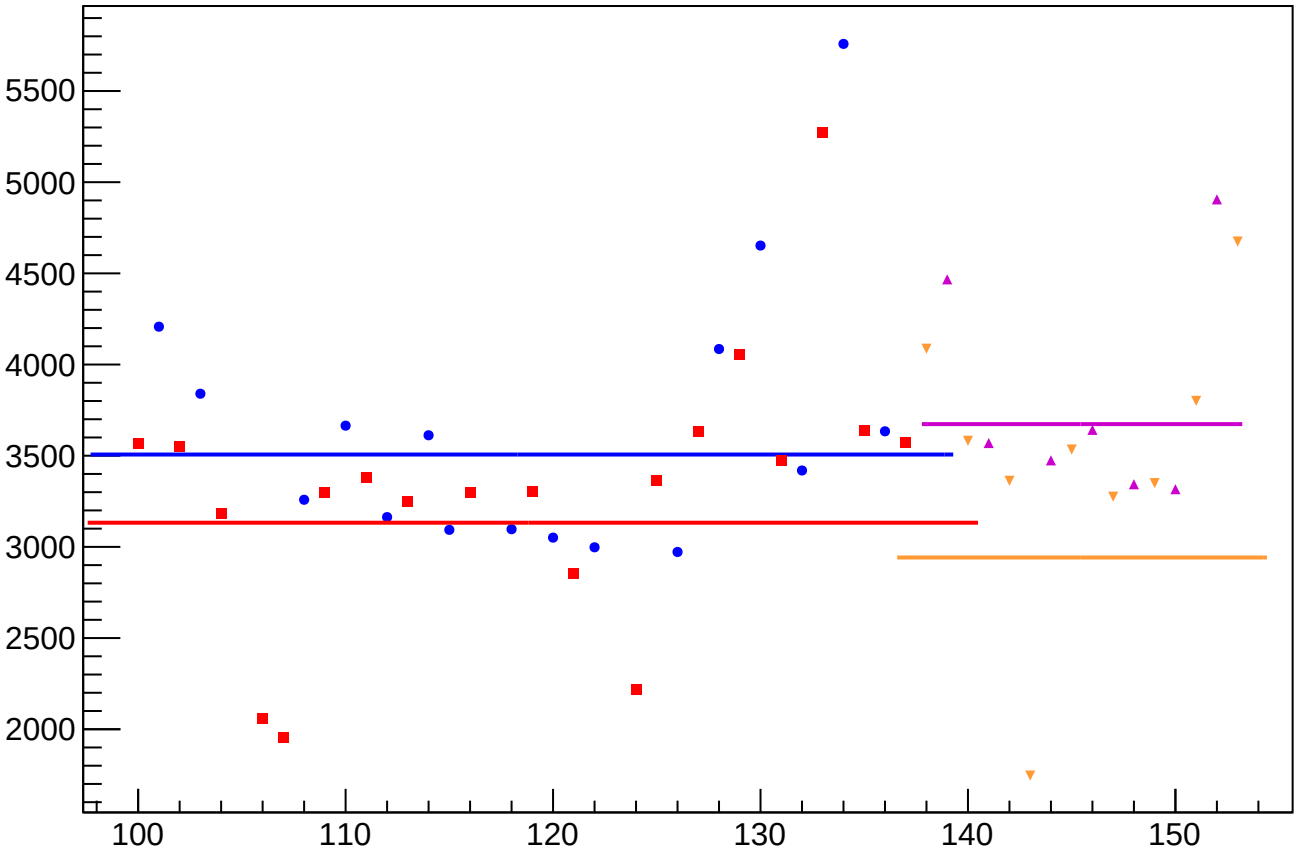
Left: -1237.470+/-924.685 χ^2/NDF: 11.1/15

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 60.039+/-992.880 χ^2/NDF:17.6/22

Out: -552.250+/-833.557 χ^2/NDF:28.1/27

All: -299.113+/-638.405 χ^2/NDF: 45.9/50



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2941.802+/-0.831 χ^2/NDF:1342569.6/8

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3673.328+/-1.060 χ^2/NDF:206566.1/6

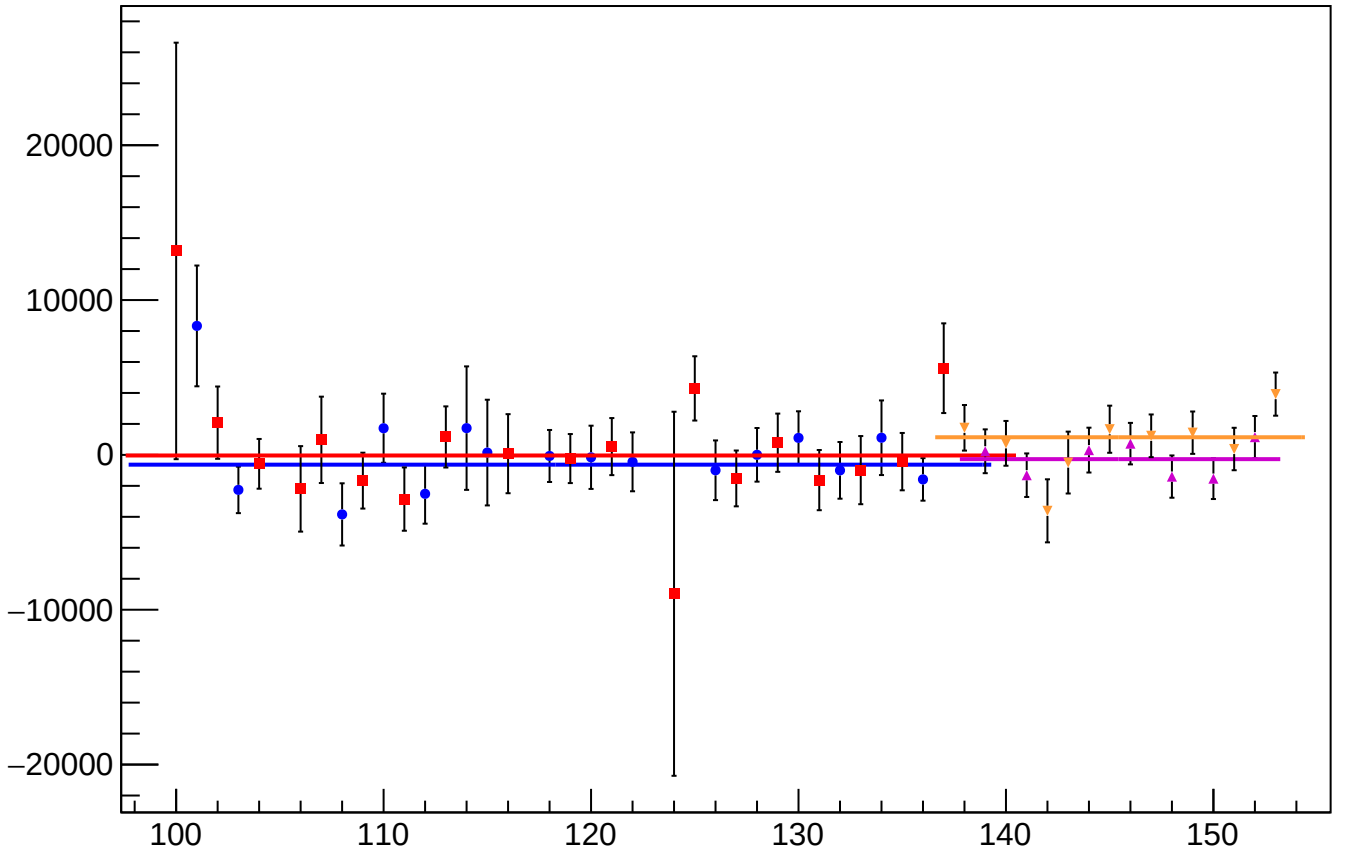
Left: 3219.920+/-0.654 χ^2/NDF: 1844094.2/15

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3579.617+/-0.702 χ^2/NDF:573707.8/22

Out: 3036.495+/-0.589 χ^2/NDF:2018372.4/27

All: 3261.036+/-0.451 χ^2/NDF: 2943118.3/50



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1139.012+/-501.771 χ^2/NDF:10.8/8

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -274.899+/-520.586 χ^2/NDF:4.1/6

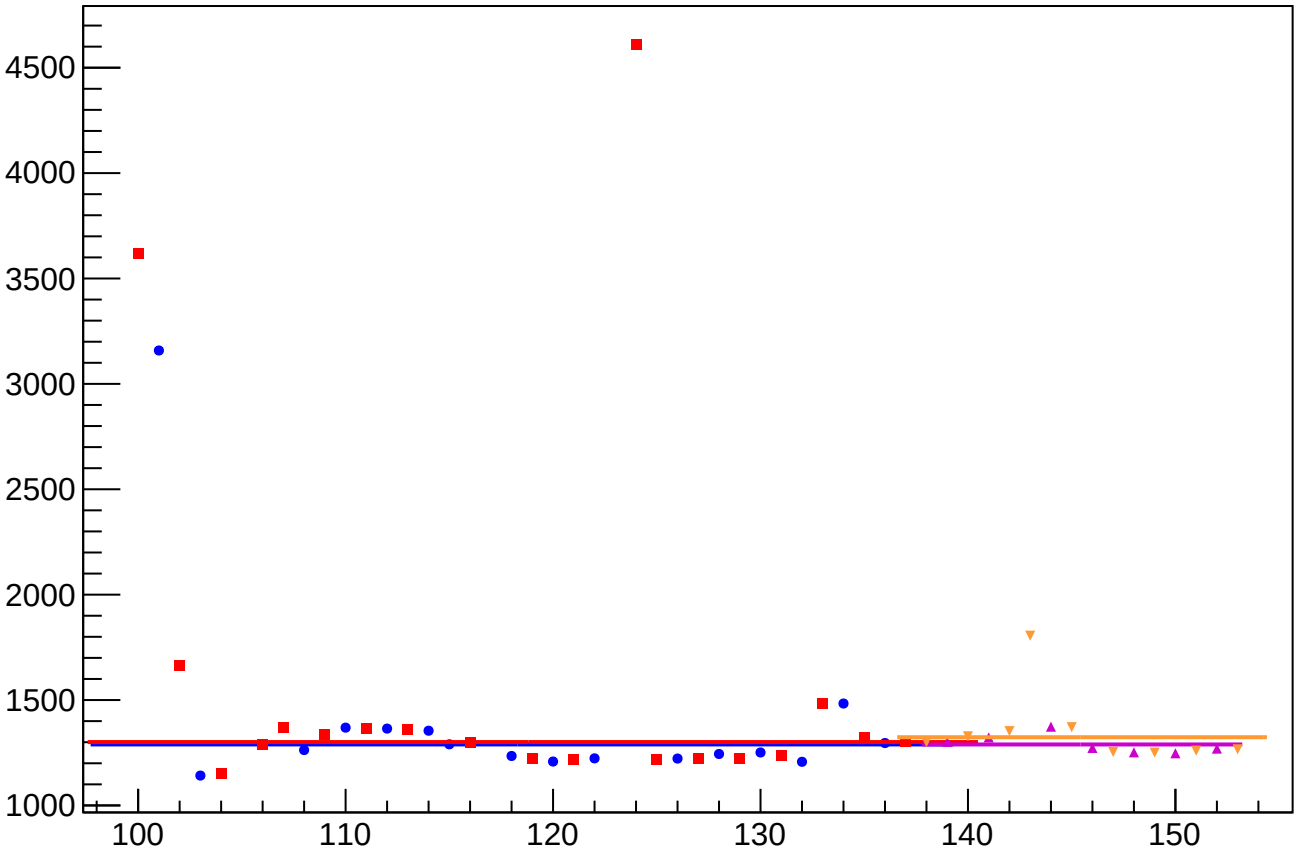
Left: 458.068+/-361.274 χ^2/NDF: 18.7/15

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -464.428+/-356.288 χ^2/NDF:18.2/22

Out: 533.914+/-349.866 χ^2/NDF:30.0/27

All: 43.821+/-249.632 χ^2/NDF: 52.2/50



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1323.615+/-0.355 χ^2/NDF:137669.4/8

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1289.223+/-0.368 χ^2/NDF:12310.3/6

Left: 1307.052+/-0.255 χ^2/NDF: 154504.9/15

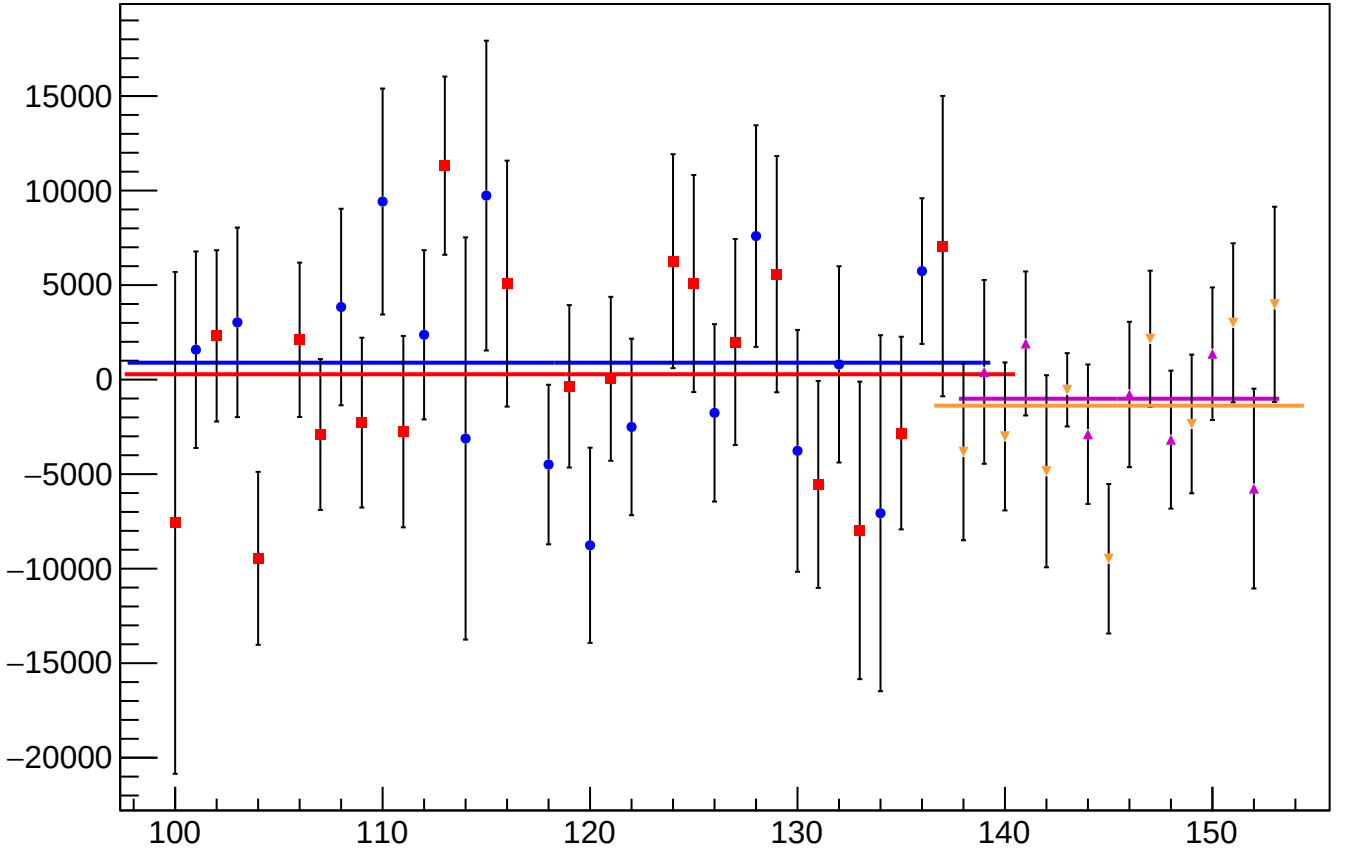
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1289.352+/-0.252 χ^2/NDF:526987.0/22

Out: 1311.811+/-0.247 χ^2/NDF:465727.2/27

All: 1300.797+/-0.176 χ^2/NDF: 996763.9/50

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1376.293+/-1174.530 χ^2/NDF:8.5/8

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -1011.150+/-1499.663 χ^2/NDF:2.6/6

Left: -1237.470+/-924.685 χ^2/NDF: 11.1/15

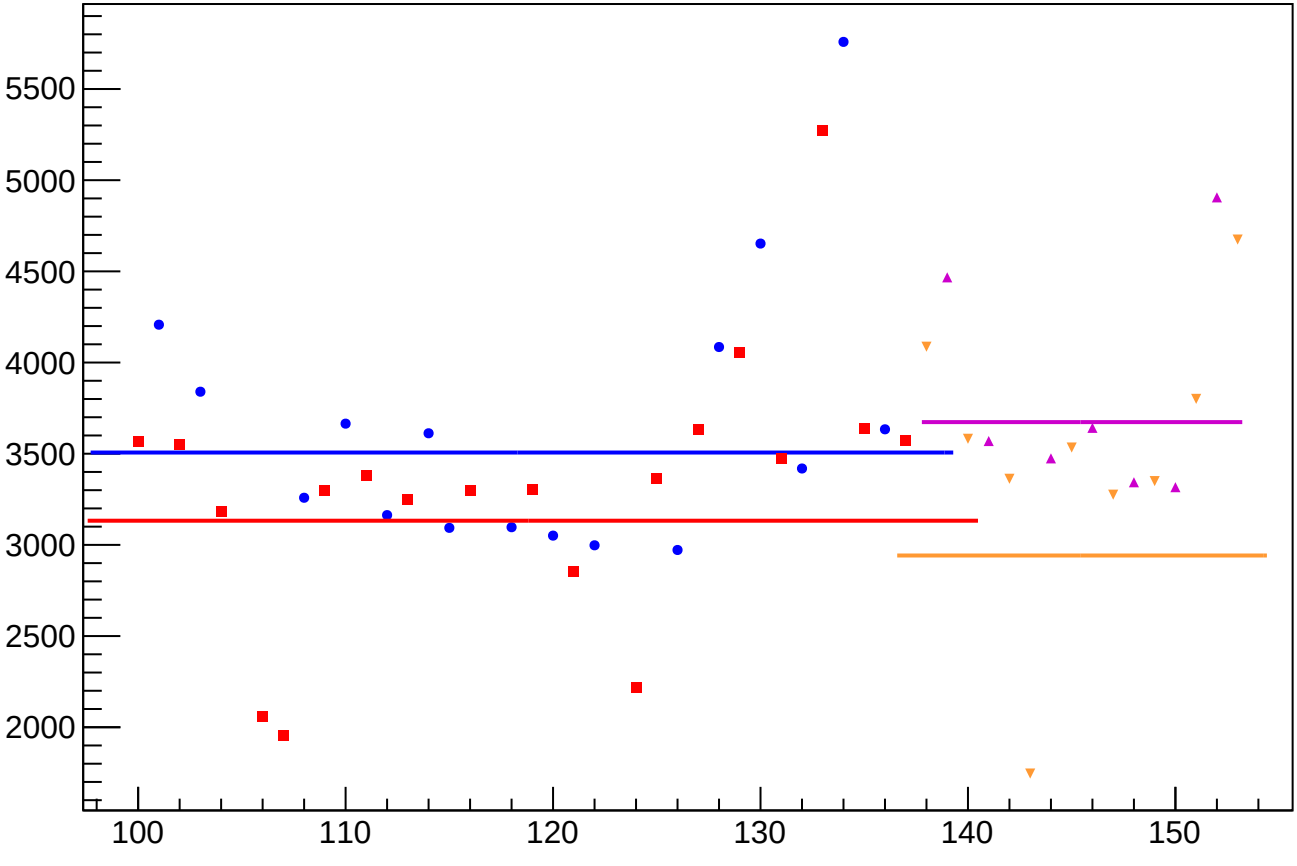
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 60.039+/-992.880 χ^2/NDF:17.6/22

Out: -552.250+/-833.557 χ^2/NDF:28.1/27

All: -299.113+/-638.405 χ^2/NDF: 45.9/50

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: 2941.802+/-0.831 χ^2/NDF:1342569.6/8

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3673.328+/-1.060 χ^2/NDF:206566.1/6

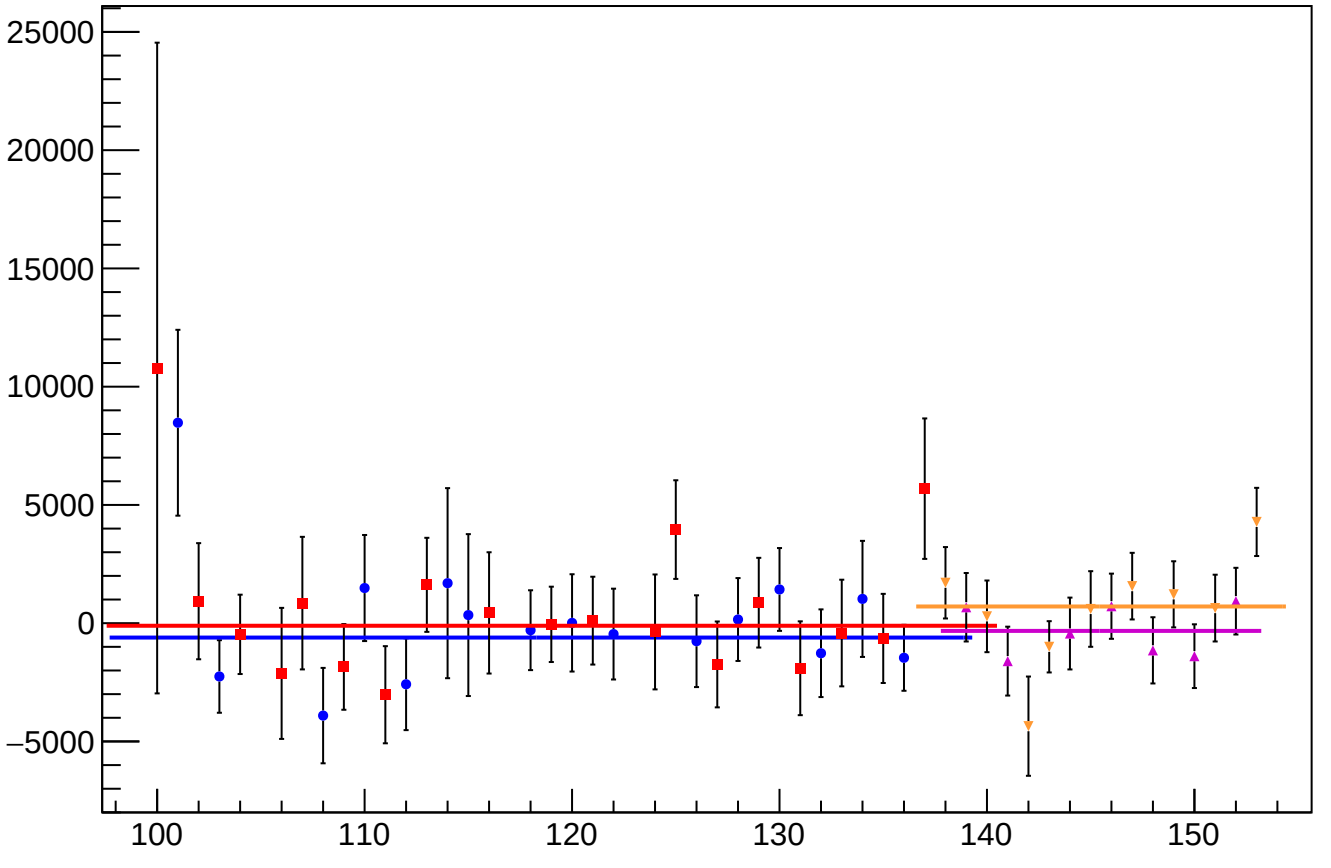
Left: 3219.920+/-0.654 χ^2/NDF: 1844094.2/15

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3579.617+/-0.702 χ^2/NDF:573707.8/22

Out: 3036.495+/-0.589 χ^2/NDF:2018372.4/27

All: 3261.036+/-0.451 χ^2/NDF: 2943118.3/50



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 706.143+/-479.864 χ^2/NDF:15.5/8

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -326.169+/-536.661 χ^2/NDF:3.6/6

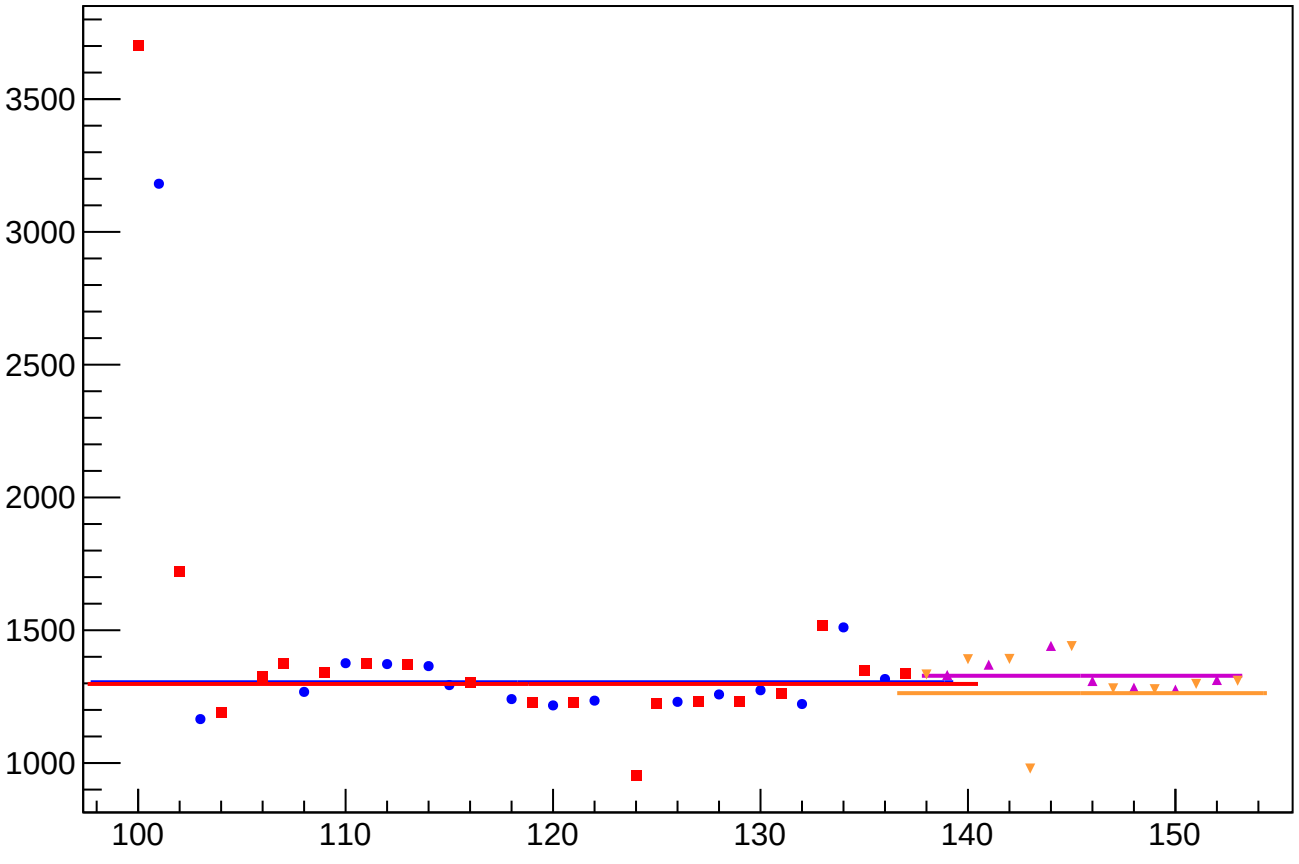
Left: 247.487+/-357.716 χ^2/NDF: 21.1/15

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -478.587+/-363.531 χ^2/NDF:17.8/22

Out: 303.565+/-341.308 χ^2/NDF:31.8/27

All: -62.876+/-248.827 χ^2/NDF: 52.1/50



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1263.148+/-0.339 χ^2/NDF:191690.1/8

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1328.595+/-0.379 χ^2/NDF:18306.6/6

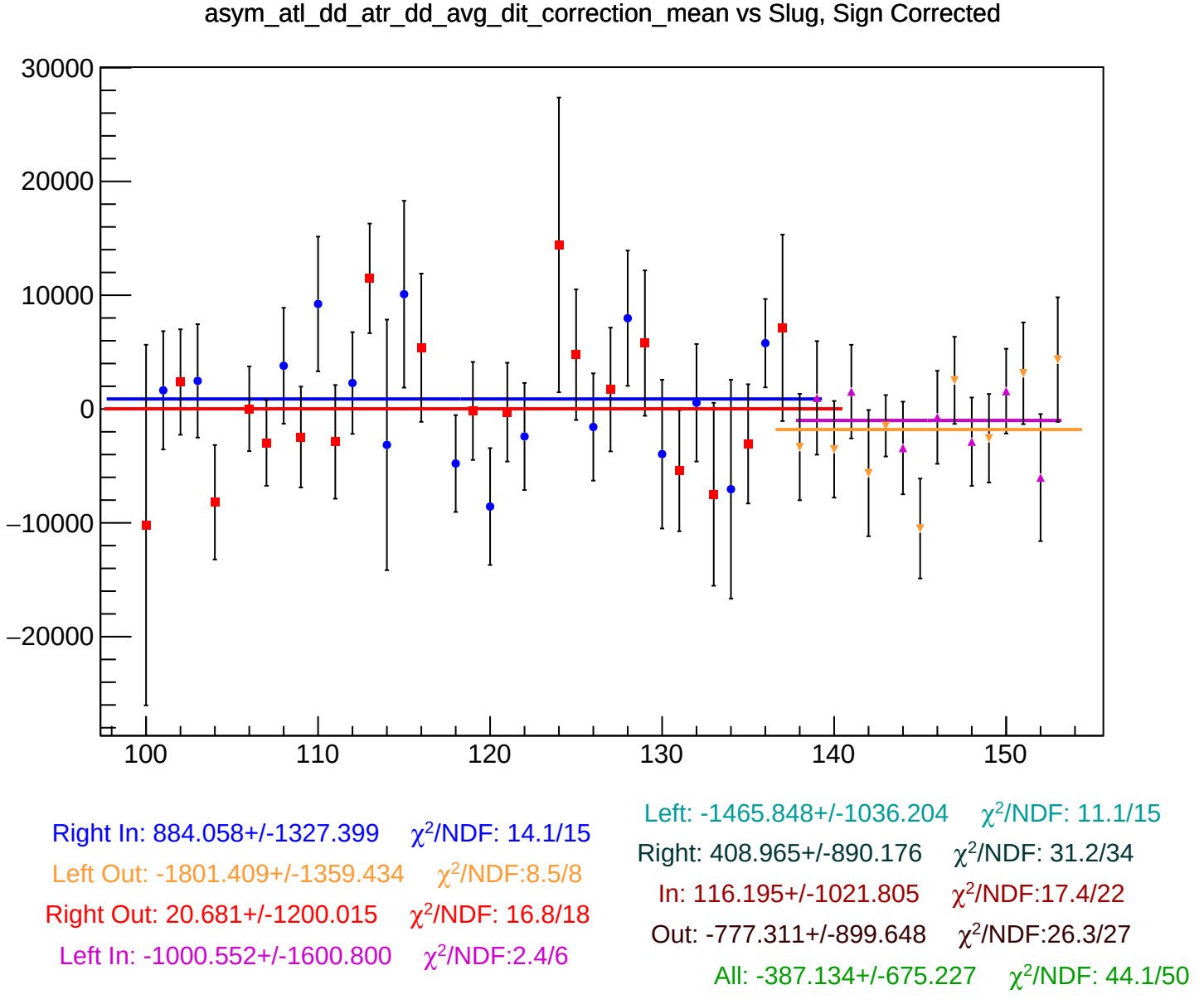
Left: 1292.226+/-0.253 χ^2/NDF: 226525.8/15

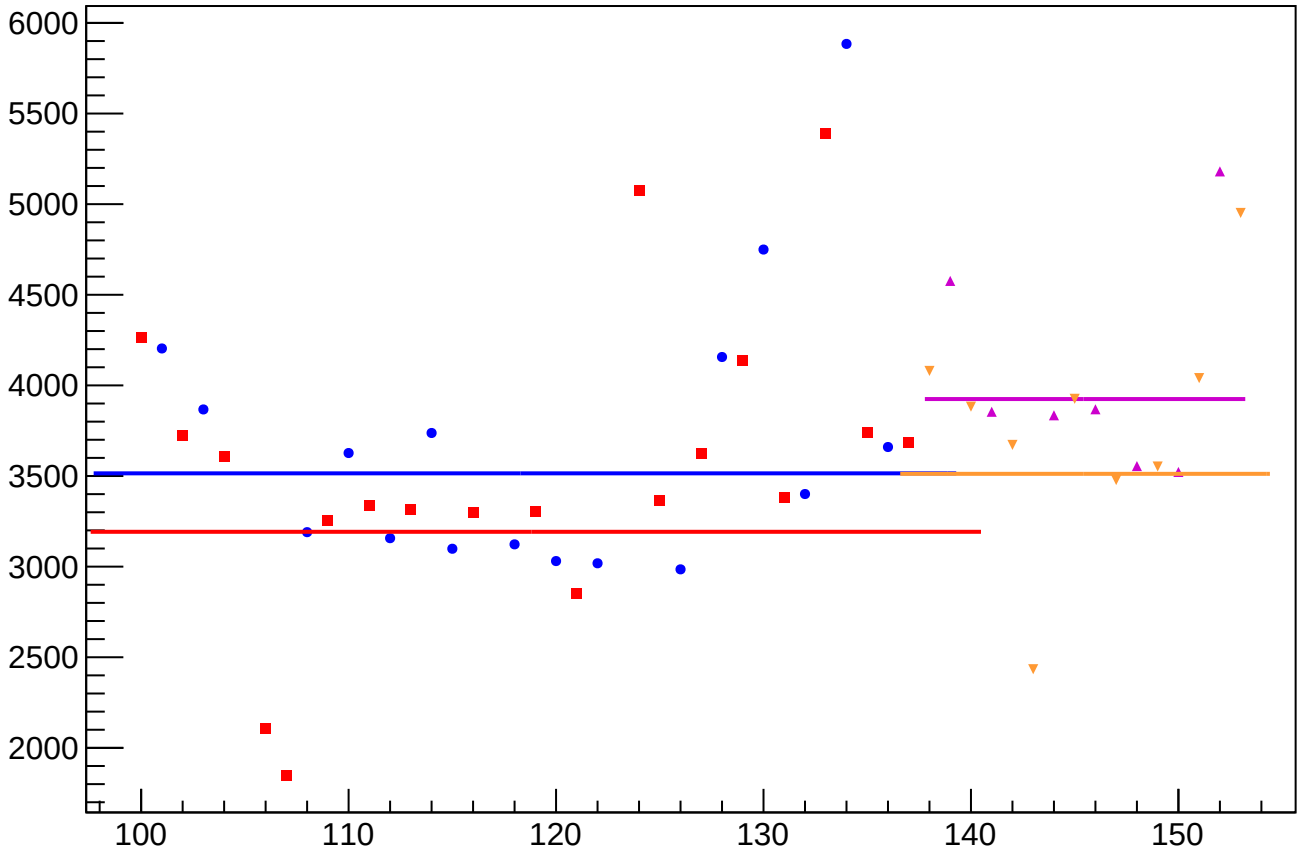
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

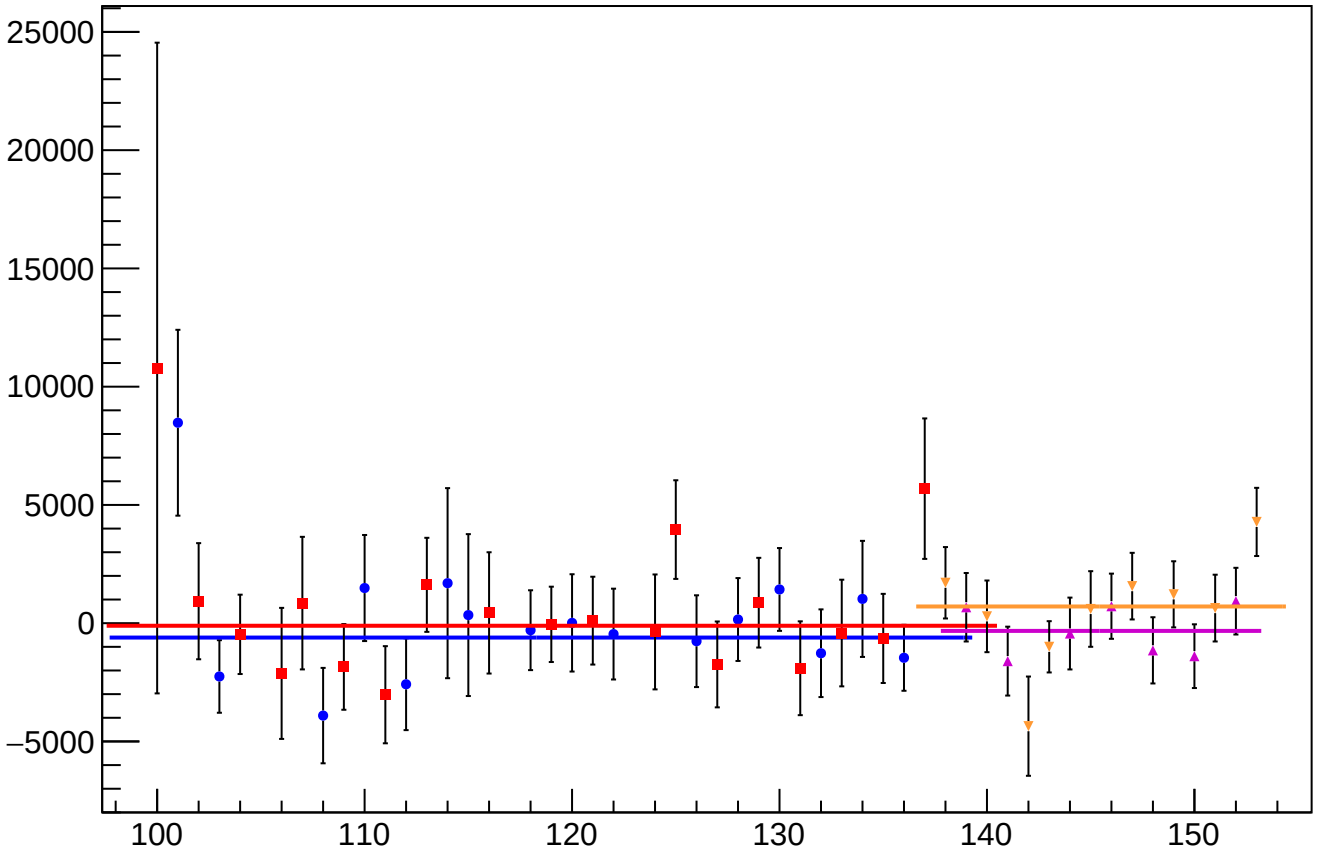
In: 1315.341+/-0.257 χ^2/NDF:531150.3/22

Out: 1280.281+/-0.241 χ^2/NDF:409942.8/27

All: 1296.700+/-0.176 χ^2/NDF: 950983.9/50


asym_atl_dd_atr_dd_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
Right In: 884.058+/-1327.399 χ²/NDF: 14.1/15
Left Out: -1801.409+/-1359.434 χ²/NDF:8.5/8
Right Out: 20.681+/-1200.015 χ²/NDF: 16.8/18
Left In: -1000.552+/-1600.800 χ²/NDF:2.4/6
Left: -1465.848+/-1036.204 χ²/NDF: 11.1/15
Right: 408.965+/-890.176 χ²/NDF: 31.2/34
In: 116.195+/-1021.805 χ²/NDF:17.4/22
Out: -777.311+/-899.648 χ²/NDF:26.3/27
All: -387.134+/-675.227 χ²/NDF: 44.1/50


asym_atl_dd_atr_dd_avg_dit_correction_rms vs Slug, Sign Corrected
6000
5500
5000
4500
4000
3500
3000
2500
2000
100
110
120
130
140
150
Right In: 3514.746+/-0.939 χ²/NDF: 375078.6/15
Left Out: 3512.006+/-0.961 χ²/NDF:550482.3/8
Right Out: 3192.203+/-0.849 χ²/NDF: 772495.7/18
Left In: 3924.685+/-1.132 χ²/NDF:178886.7/6
Left: 3684.920+/-0.733 χ²/NDF: 806593.4/15
Right: 3337.259+/-0.629 χ²/NDF: 1212554.2/34
In: 3681.771+/-0.723 χ²/NDF:631684.5/22
Out: 3332.262+/-0.636 χ²/NDF:1385186.5/27
All: 3484.886+/-0.477 χ²/NDF: 2148685.8/50



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 706.142+/-479.864 χ^2/NDF:15.5/8

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -326.168+/-536.661 χ^2/NDF:3.6/6

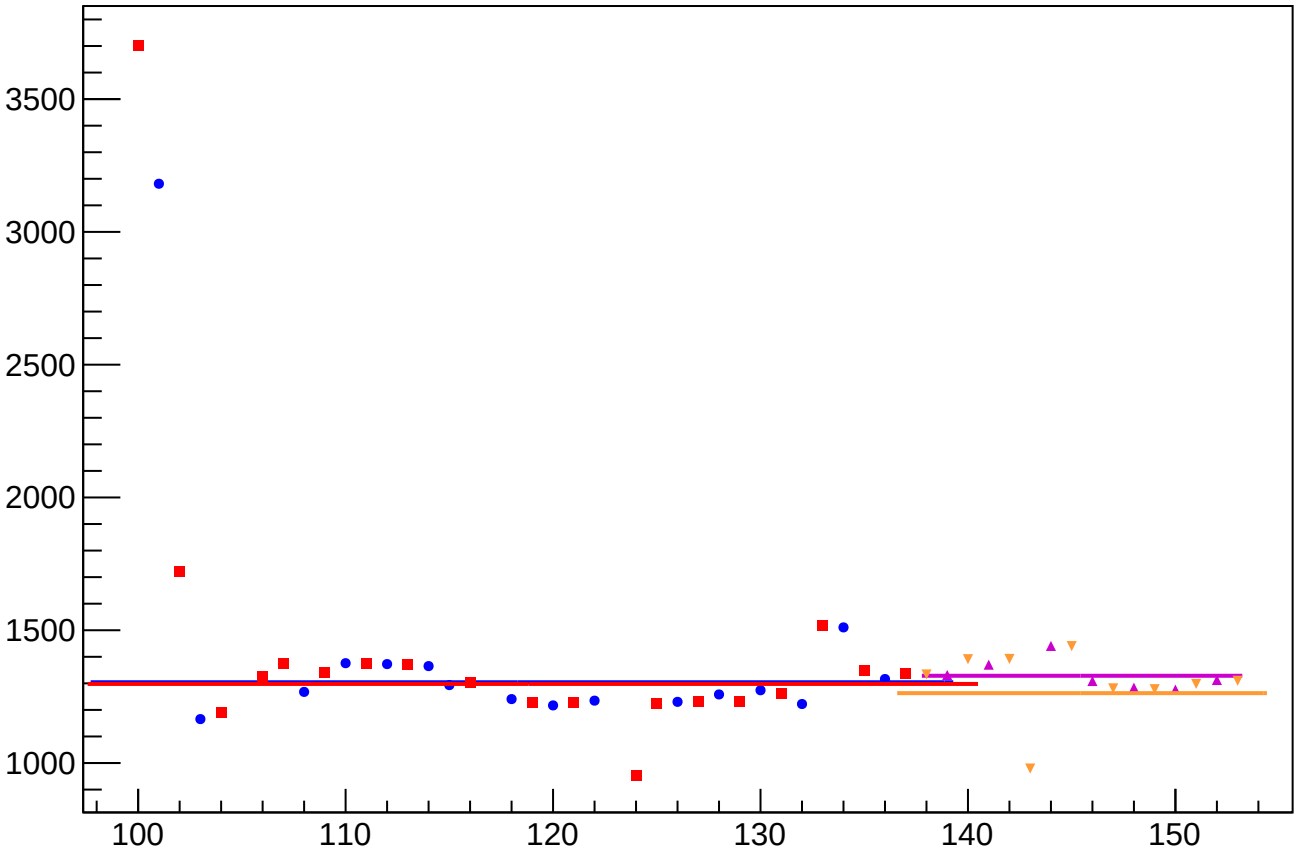
Left: 247.487+/-357.716 χ^2/NDF: 21.1/15

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -478.589+/-363.531 χ^2/NDF:17.8/22

Out: 303.562+/-341.309 χ^2/NDF:31.8/27

All: -62.878+/-248.827 χ^2/NDF: 52.1/50



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1263.149+/-0.339 χ^2/NDF:191690.4/8

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1328.596+/-0.379 χ^2/NDF:18306.7/6

Left: 1292.227+/-0.253 χ^2/NDF: 226526.2/15

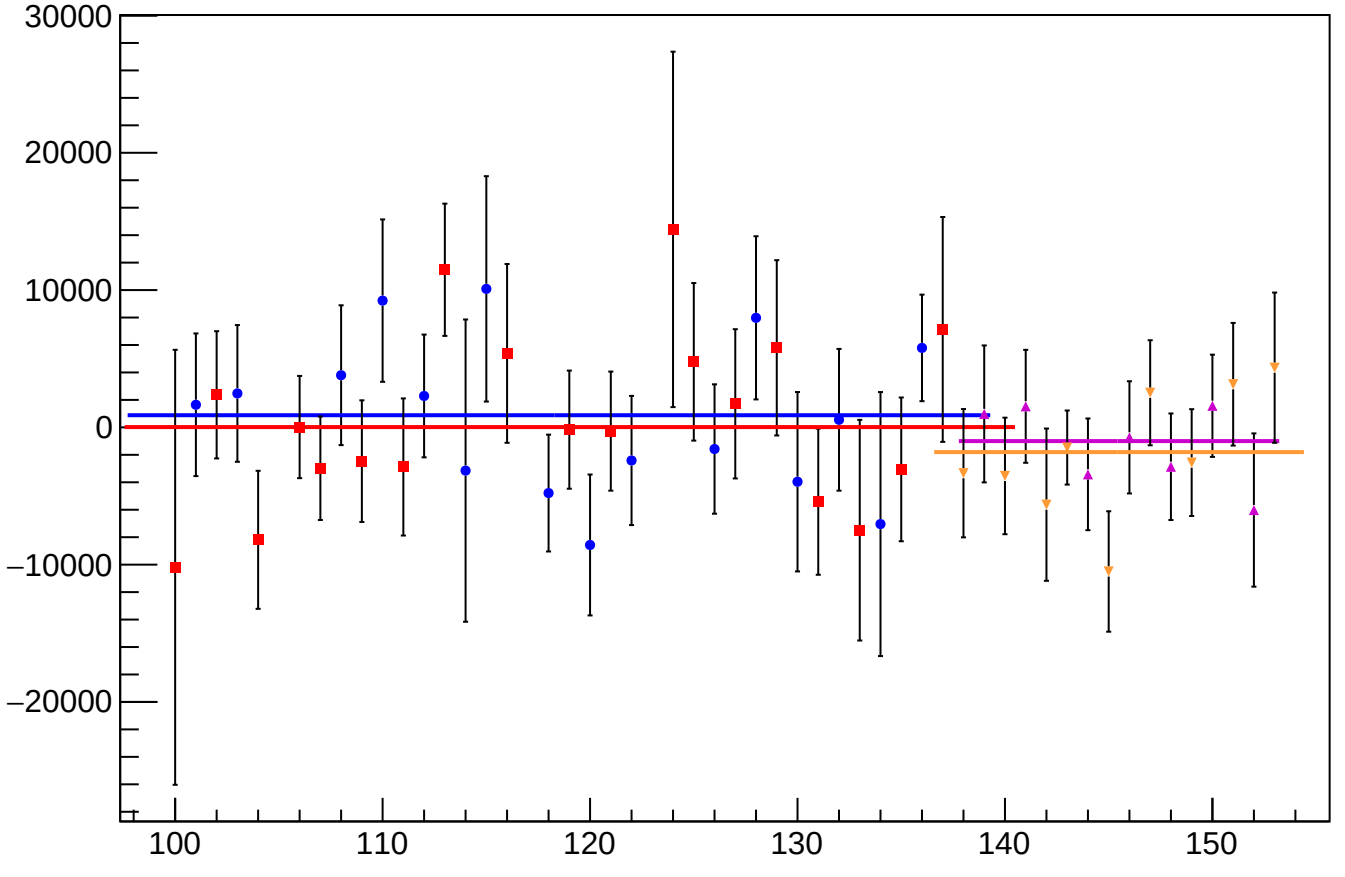
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1315.341+/-0.257 χ^2/NDF:531150.7/22

Out: 1280.281+/-0.241 χ^2/NDF:409942.9/27

All: 1296.701+/-0.176 χ^2/NDF: 950984.4/50

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -1801.407+/-1359.436 χ^2/NDF:8.5/8

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -1000.550+/-1600.802 χ^2/NDF:2.4/6

Left: -1465.846+/-1036.205 χ^2/NDF: 11.1/15

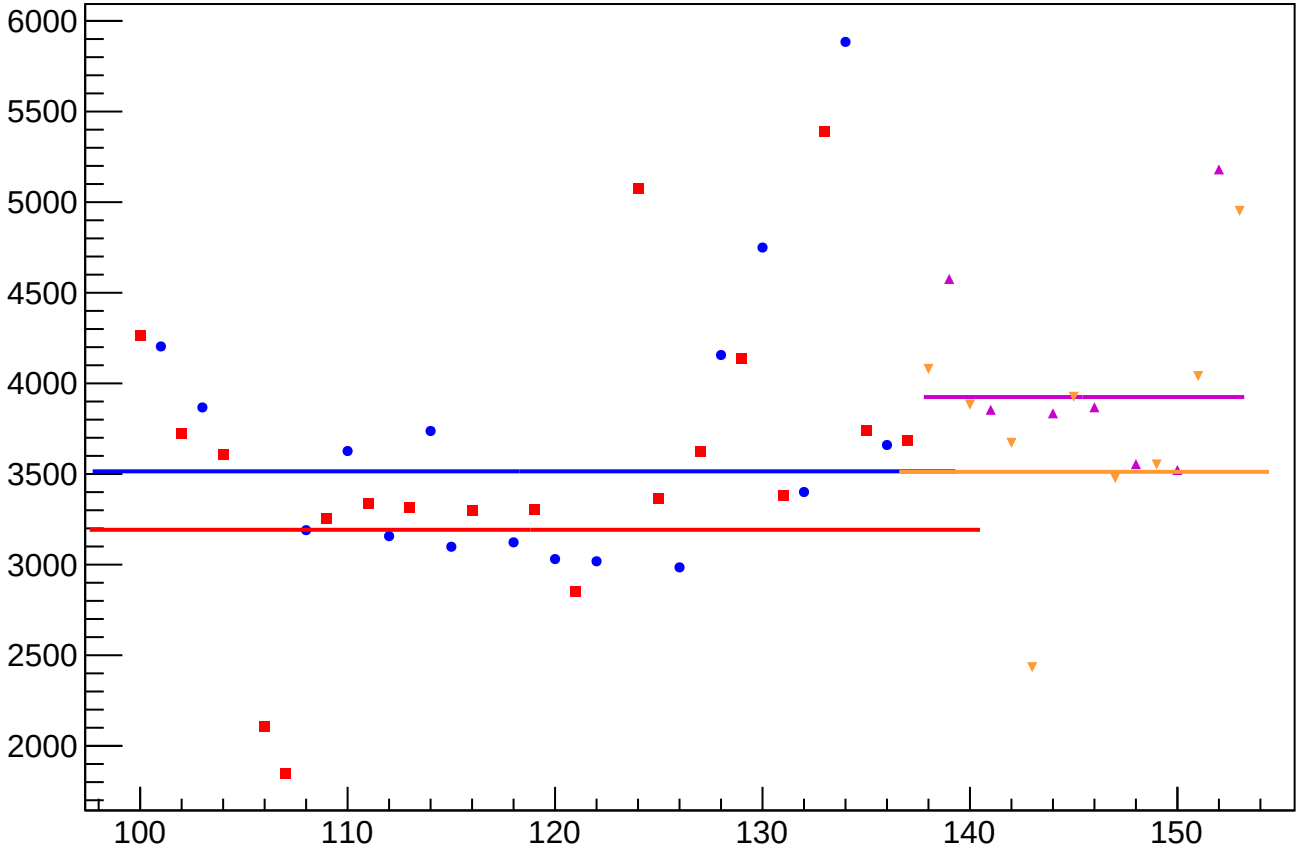
Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 116.193+/-1021.804 χ^2/NDF:17.4/22

Out: -777.309+/-899.647 χ^2/NDF:26.3/27

All: -387.134+/-675.227 χ^2/NDF: 44.1/50

asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 3512.011+/-0.961 χ^2/NDF:550482.5/8

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 3924.690+/-1.132 χ^2/NDF:178887.3/6

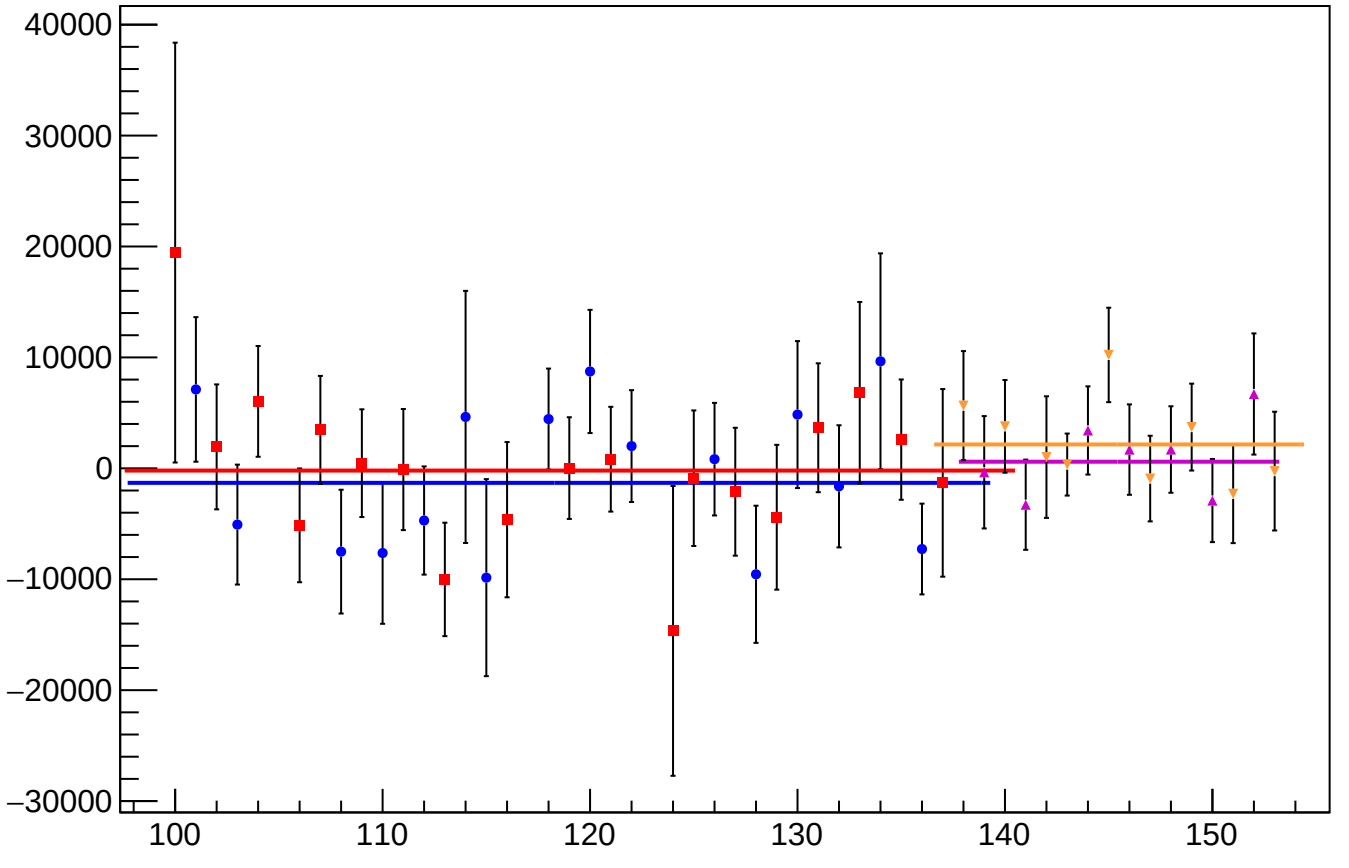
Left: 3684.924+/-0.733 χ^2/NDF: 806594.1/15

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3681.767+/-0.723 χ^2/NDF:631694.7/22

Out: 3332.259+/-0.636 χ^2/NDF:1385193.9/27

All: 3484.882+/-0.477 χ^2/NDF: 2148702.6/50



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 2152.955+/-1370.040 χ^2/NDF:6.7/8

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 596.327+/-1594.326 χ^2/NDF:3.7/6

Left: 1491.746+/-1039.092 χ^2/NDF: 11.0/15

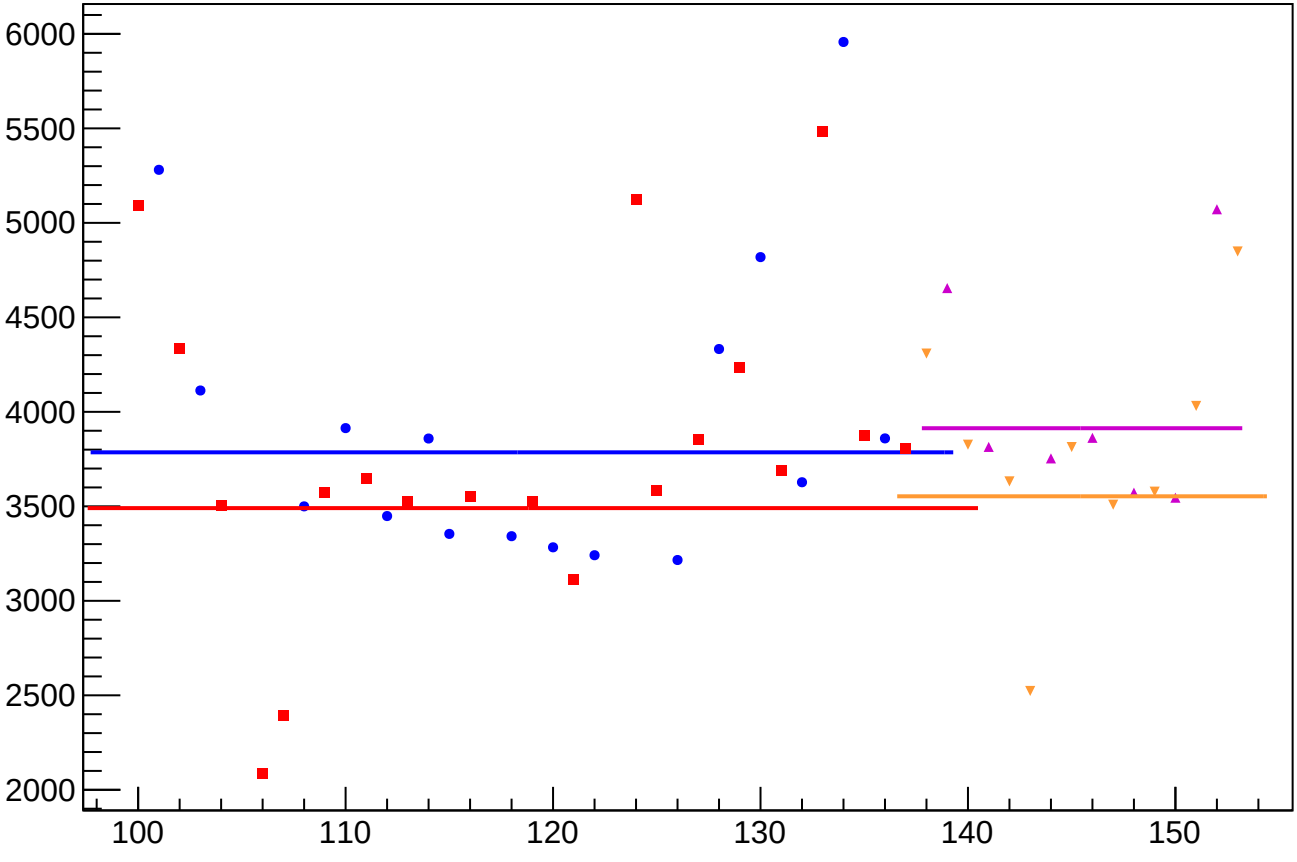
Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -458.682+/-1065.203 χ^2/NDF:22.1/22

Out: 946.121+/-956.525 χ^2/NDF:19.9/27

All: 319.017+/-711.696 χ^2/NDF: 42.9/50

asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3553.105+/-0.969 χ^2/NDF:475775.6/8

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 3913.340+/-1.127 χ^2/NDF:172116.9/6

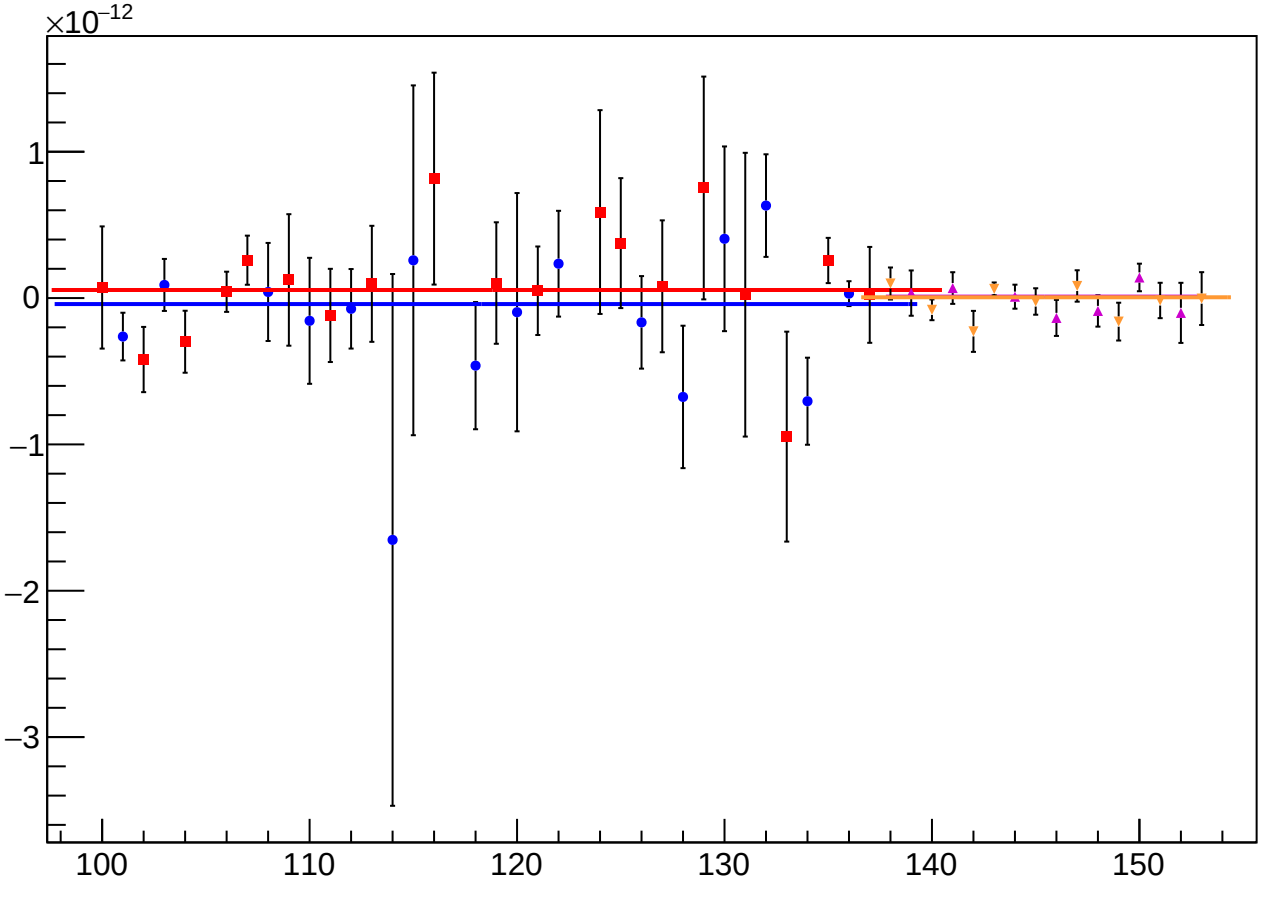
Left: 3706.122+/-0.735 χ^2/NDF: 706626.1/15

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3842.717+/-0.753 χ^2/NDF:562198.3/22

Out: 3520.647+/-0.672 χ^2/NDF:1064652.1/27

All: 3663.293+/-0.501 χ^2/NDF: 1728709.5/50



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.0/8

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:4.8/6

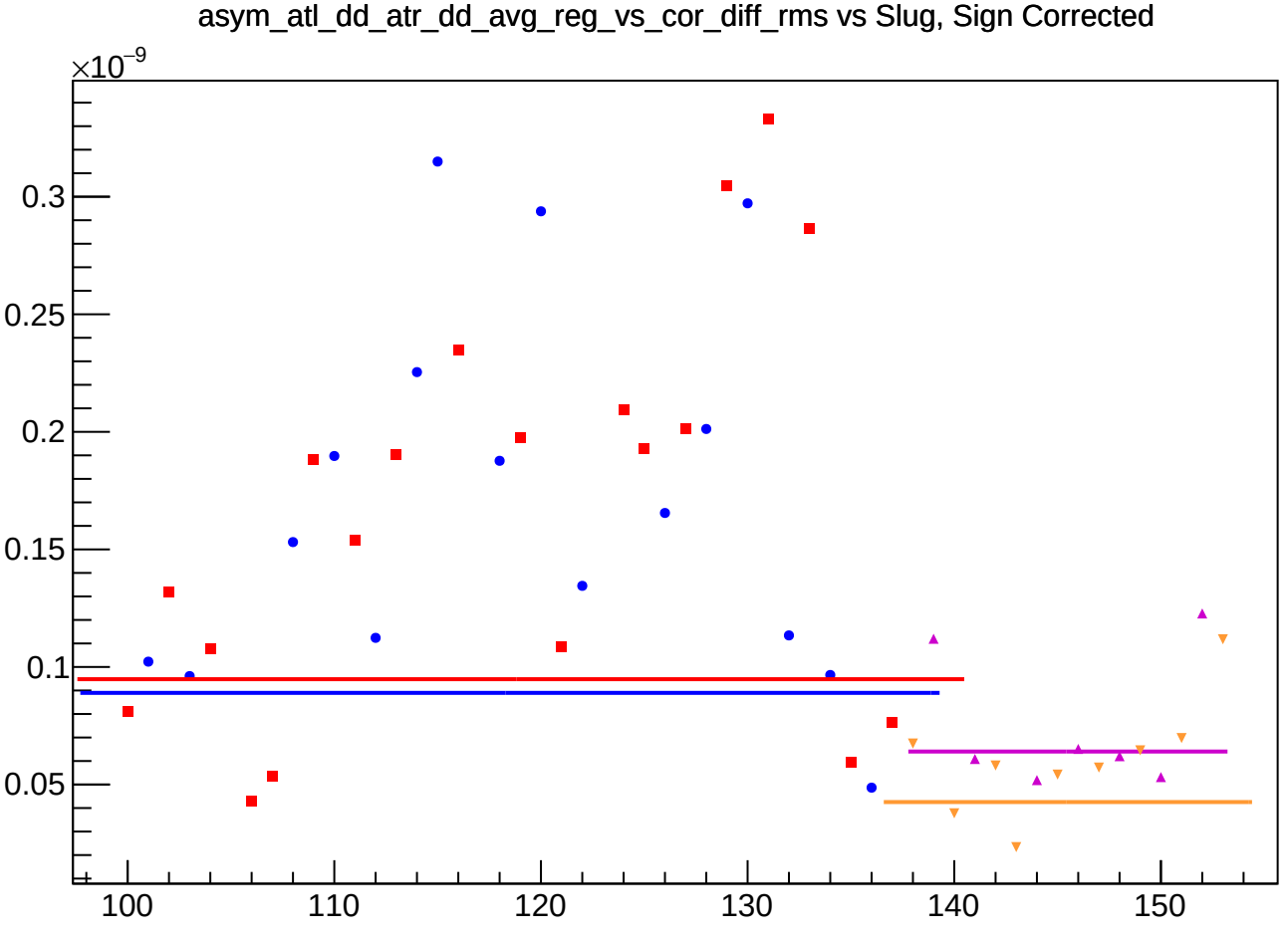
Left: 0.000+/-0.000 χ^2/NDF: 13.8/15

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: -0.000+/-0.000 χ^2/NDF:21.9/22

Out: 0.000+/-0.000 χ^2/NDF:25.4/27

All: 0.000+/-0.000 χ^2/NDF: 47.5/50



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1041855.2/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:428699.4/6

Left: 0.000+/-0.000 χ^2/NDF: 1826943.6/15

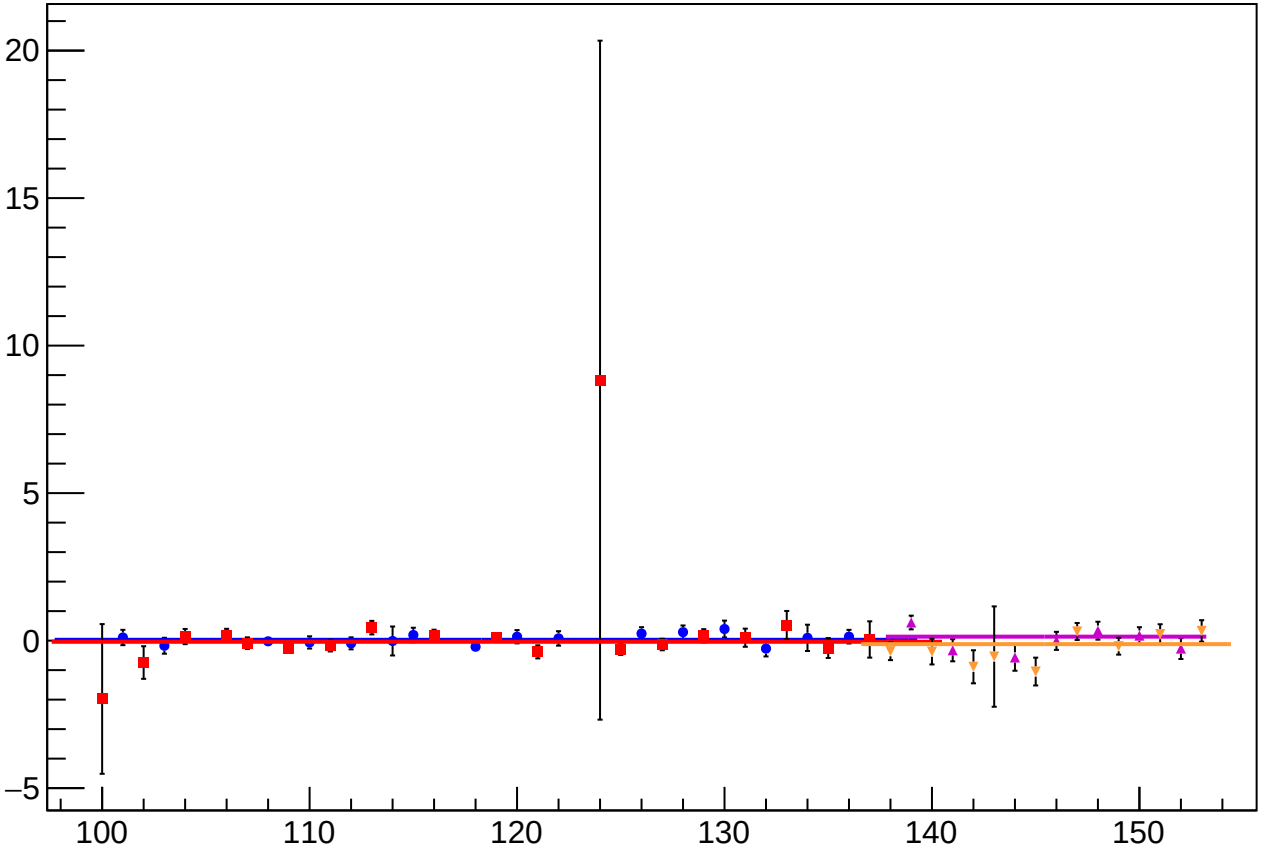
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:2126559.2/22

Out: 0.000+/-0.000 χ^2/NDF:3888605.4/27

All: 0.000+/-0.000 χ^2/NDF: 6498122.6/50

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: -0.119+/-0.124 χ^2/NDF:11.6/8

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.134+/-0.117 χ^2/NDF:10.2/6

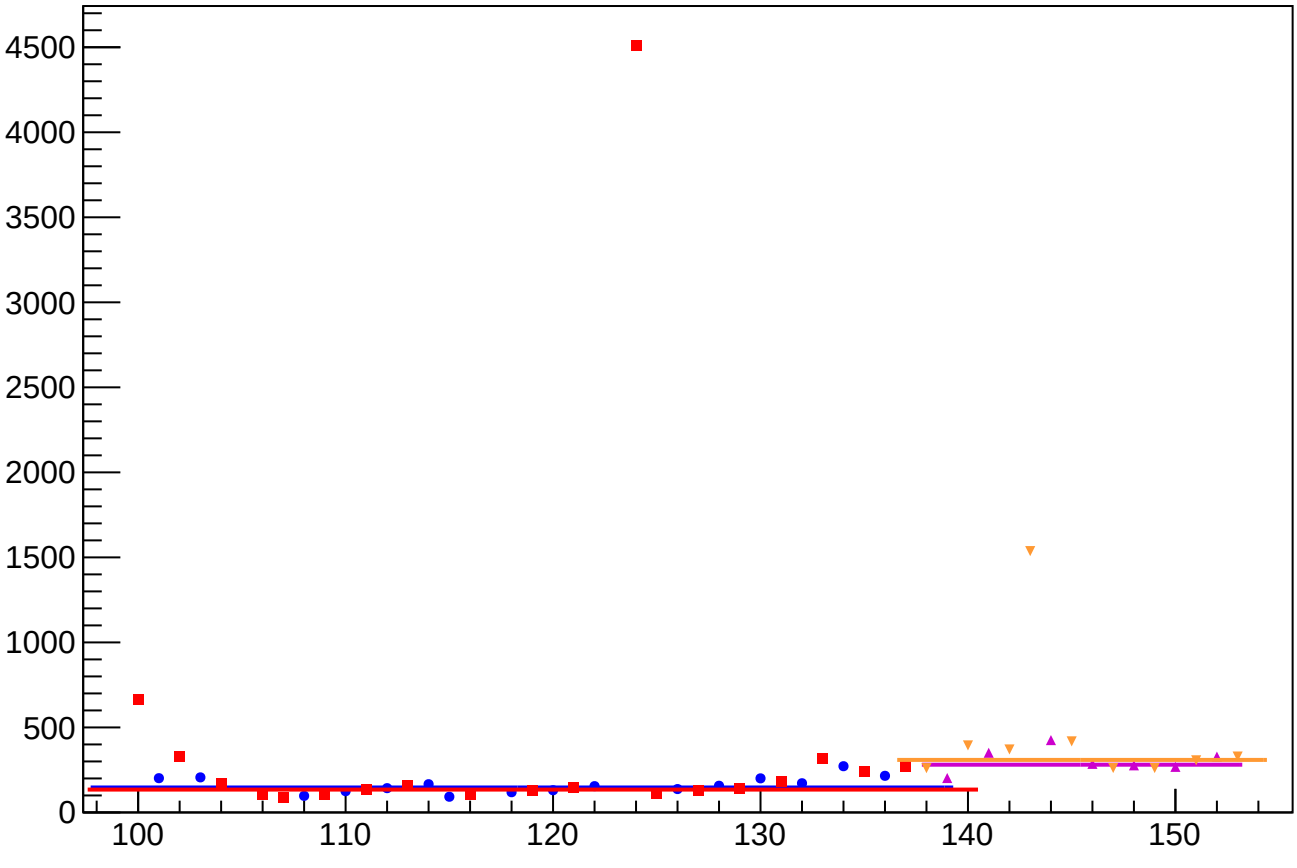
Left: 0.014+/-0.085 χ^2/NDF: 24.0/15

Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.049+/-0.052 χ^2/NDF:20.3/22

Out: -0.052+/-0.050 χ^2/NDF:32.0/27

All: -0.003+/-0.036 χ^2/NDF: 54.2/50



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 309.010+/-0.088 χ^2/NDF:1418308.9/8

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 280.884+/-0.083 χ^2/NDF:544153.6/6

Left: 294.187+/-0.060 χ^2/NDF: 2016700.9/15

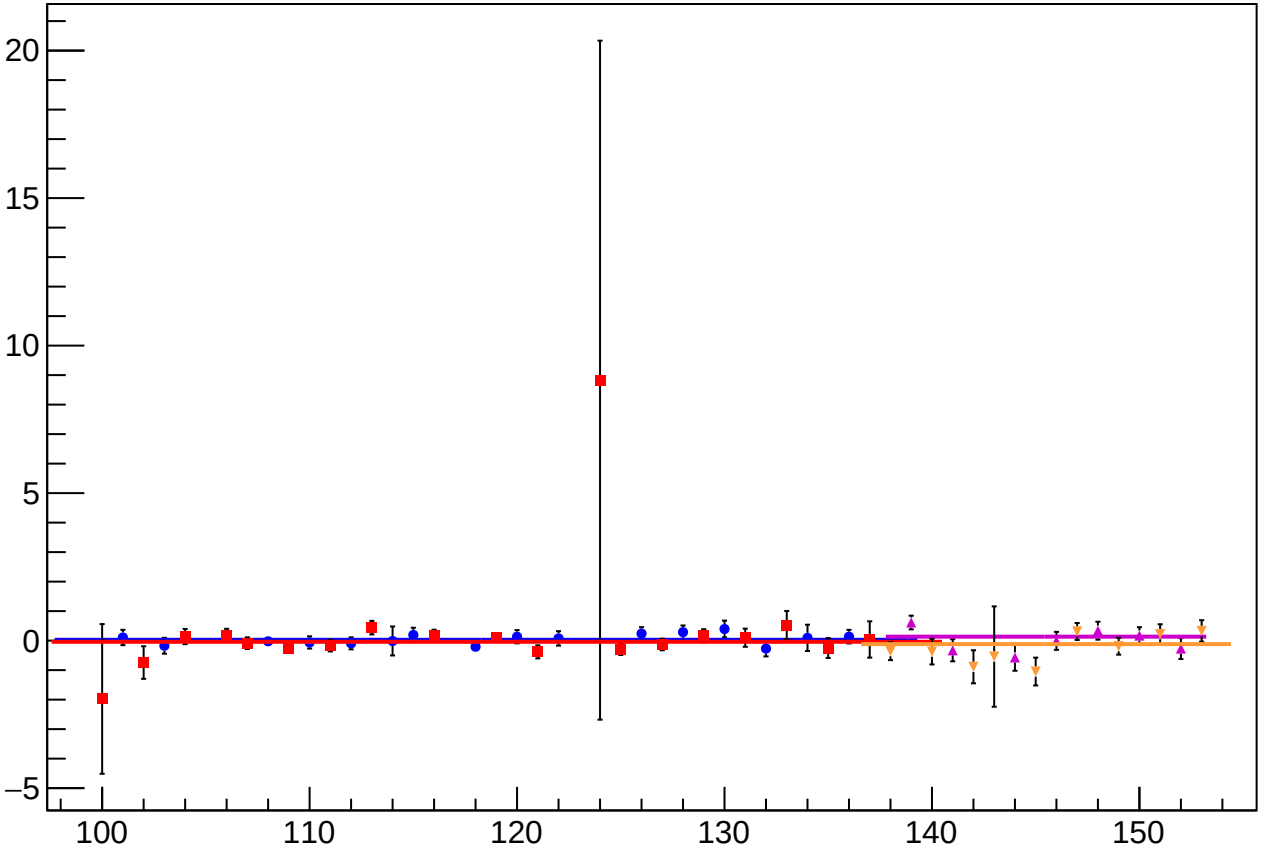
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 172.891+/-0.037 χ^2/NDF:3641488.3/22

Out: 163.004+/-0.035 χ^2/NDF:6339368.0/27

All: 167.784+/-0.025 χ^2/NDF: 10018509.5/50

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: -0.119+/-0.124 χ^2/NDF:11.6/8

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.134+/-0.117 χ^2/NDF:10.2/6

Left: 0.014+/-0.085 χ^2/NDF: 24.0/15

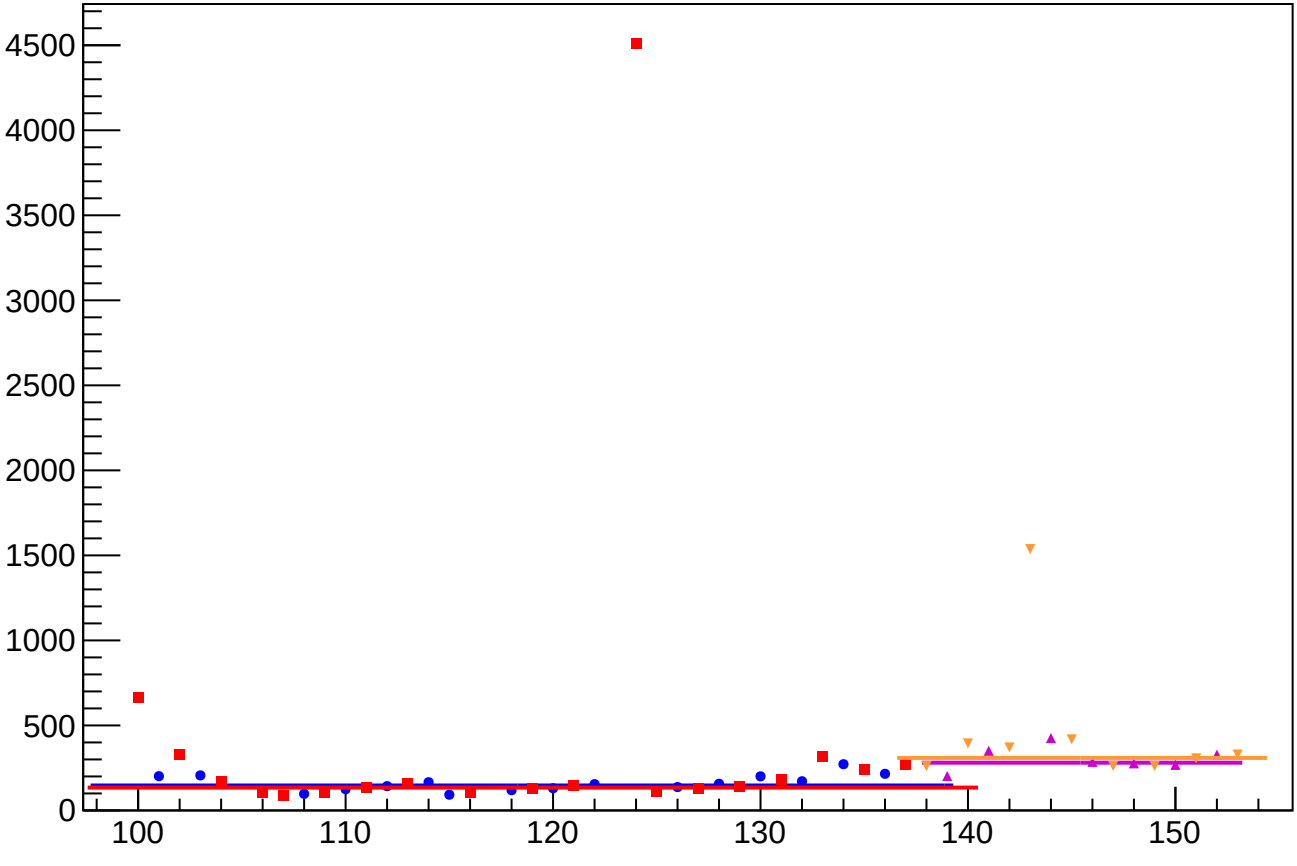
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.049+/-0.052 χ^2/NDF:20.3/22

Out: -0.052+/-0.050 χ^2/NDF:32.0/27

All: -0.003+/-0.036 χ^2/NDF: 54.2/50

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: 309.010+/-0.088 χ^2/NDF:1418308.9/8

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 280.884+/-0.083 χ^2/NDF:544153.6/6

Left: 294.187+/-0.060 χ^2/NDF: 2016700.9/15

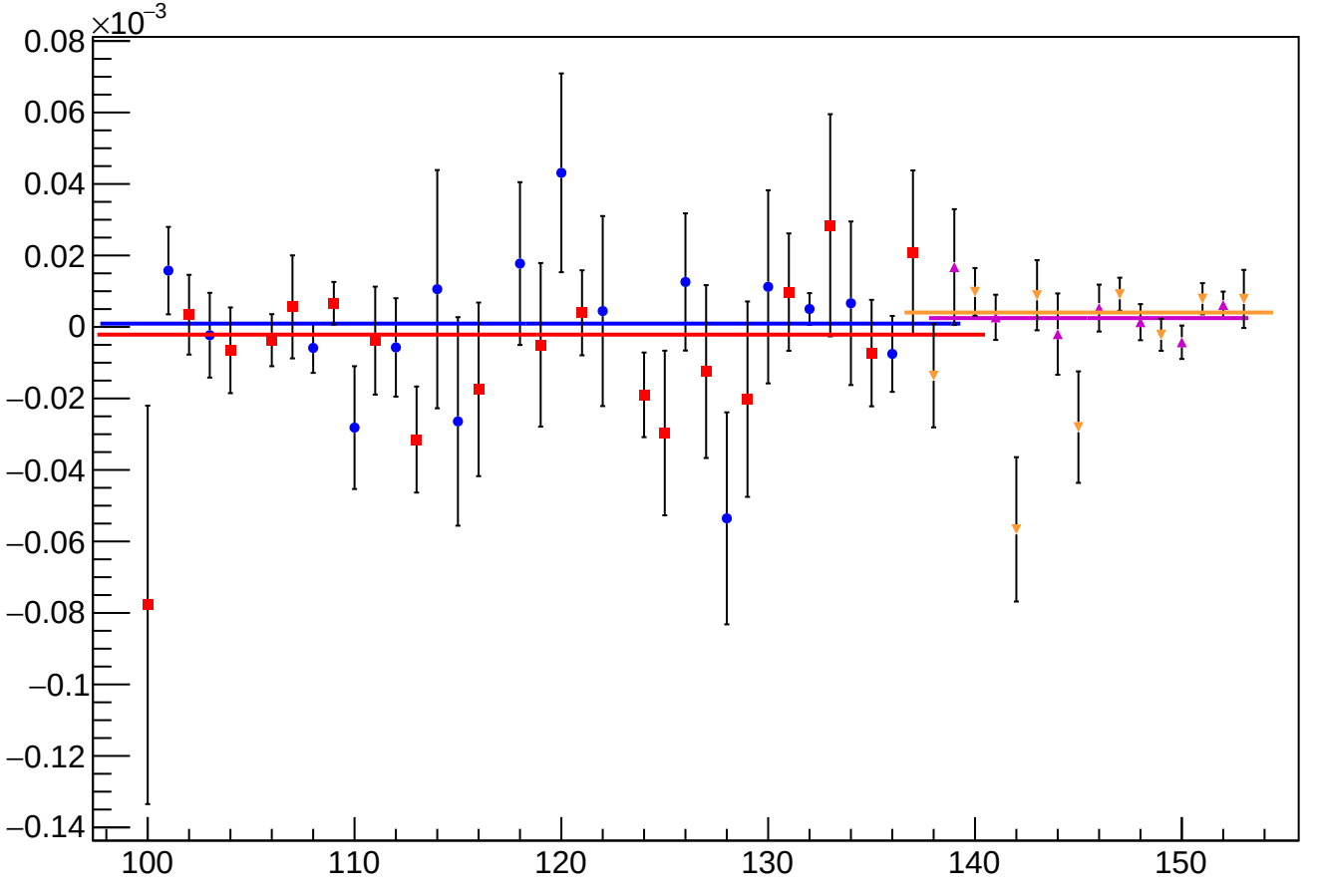
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 172.891+/-0.037 χ^2/NDF:3641488.3/22

Out: 163.004+/-0.035 χ^2/NDF:6339368.0/27

All: 167.784+/-0.025 χ^2/NDF: 10018509.5/50

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.9/8

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

Left In: 0.000+/-0.000 χ^2/NDF:4.2/6

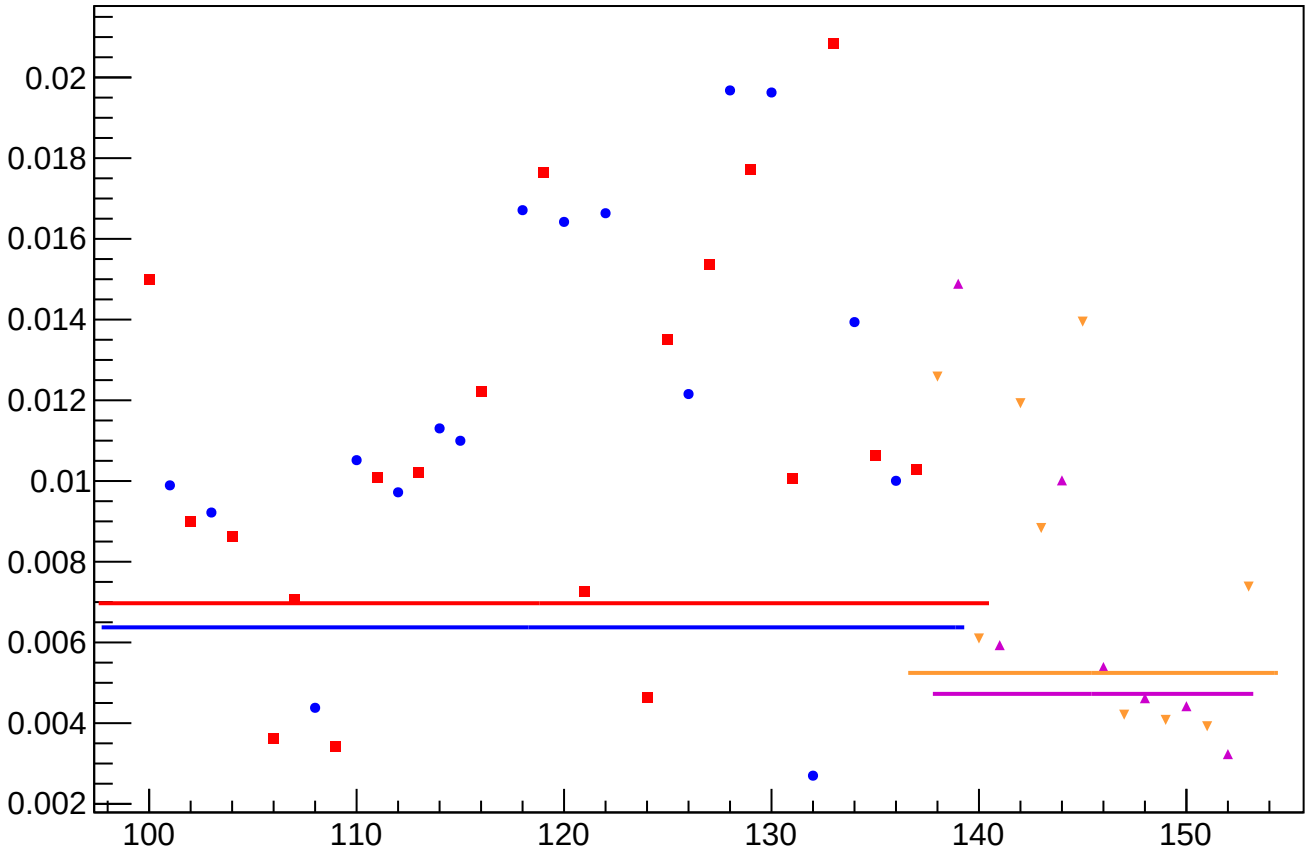
Left: 0.000+/-0.000 χ^2/NDF: 24.4/15

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:19.3/22

Out: 0.000+/-0.000 χ^2/NDF:38.7/27

All: 0.000+/-0.000 χ^2/NDF: 58.0/50



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:2216600.2/8

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:1642592.5/6

Left: 0.005+/-0.000 χ^2/NDF: 3916555.8/15

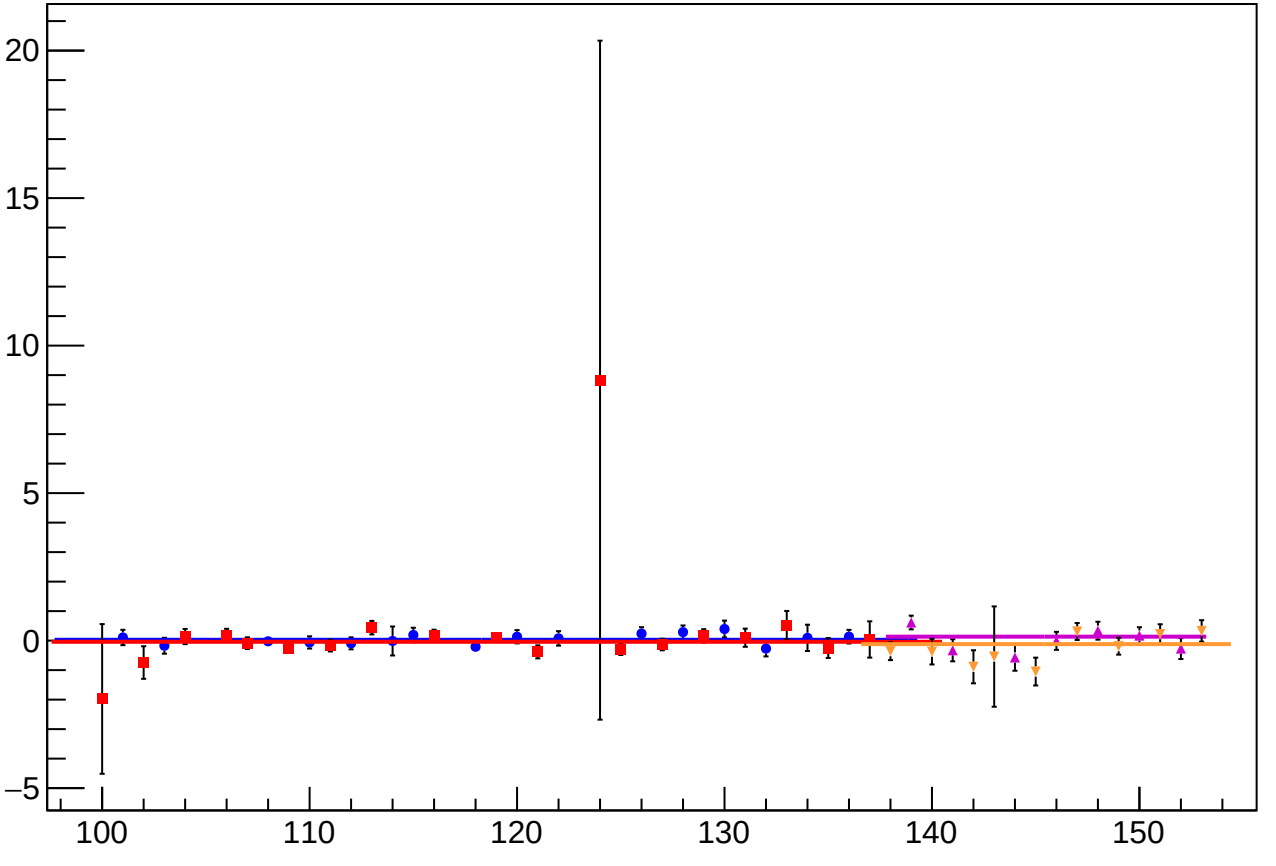
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.005+/-0.000 χ^2/NDF:6694531.2/22

Out: 0.006+/-0.000 χ^2/NDF:6056102.4/27

All: 0.006+/-0.000 χ^2/NDF: 12845103.5/50

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: -0.119+/-0.124 χ^2/NDF:11.6/8

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.134+/-0.117 χ^2/NDF:10.2/6

Left: 0.014+/-0.085 χ^2/NDF: 24.0/15

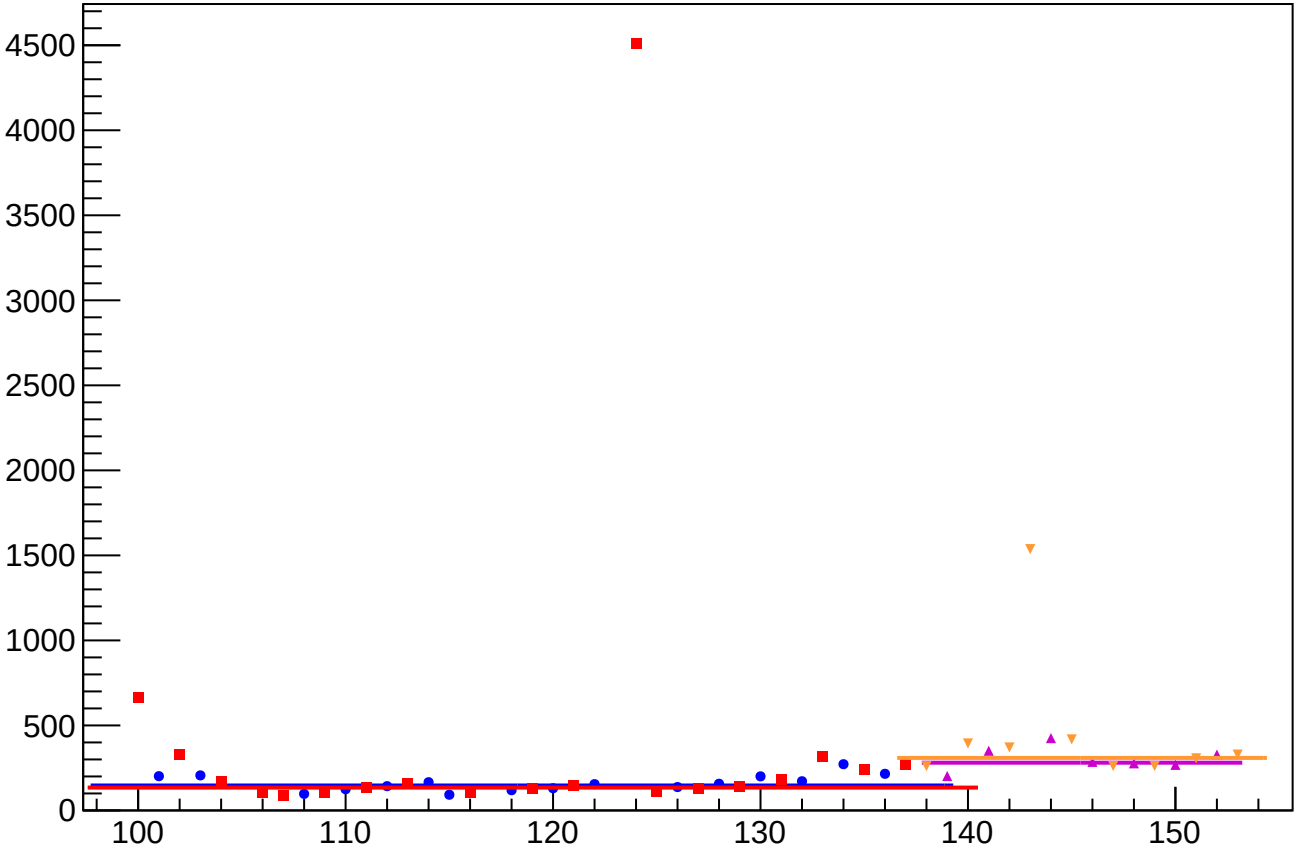
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.049+/-0.052 χ^2/NDF:20.3/22

Out: -0.052+/-0.050 χ^2/NDF:32.0/27

All: -0.003+/-0.036 χ^2/NDF: 54.2/50

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: 309.013+/-0.088 χ^2/NDF:1418308.0/8

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 280.888+/-0.083 χ^2/NDF:544132.6/6

Left: 294.190+/-0.060 χ^2/NDF: 2016675.6/15

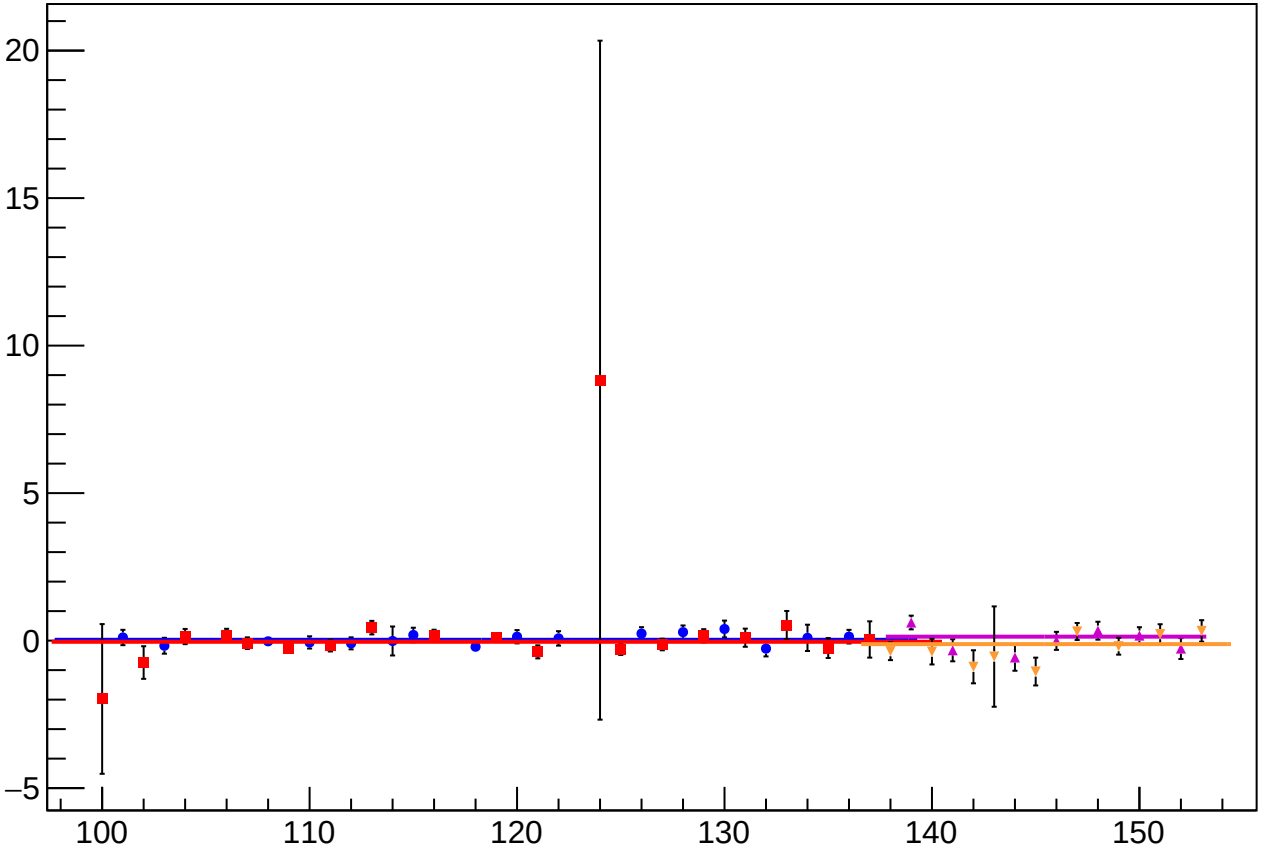
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 172.891+/-0.037 χ^2/NDF:3641488.5/22

Out: 163.005+/-0.035 χ^2/NDF:6339304.9/27

All: 167.785+/-0.025 χ^2/NDF: 10018436.1/50

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: -0.119+/-0.124 χ^2/NDF:11.6/8

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.134+/-0.117 χ^2/NDF:10.2/6

Left: 0.014+/-0.085 χ^2/NDF: 24.0/15

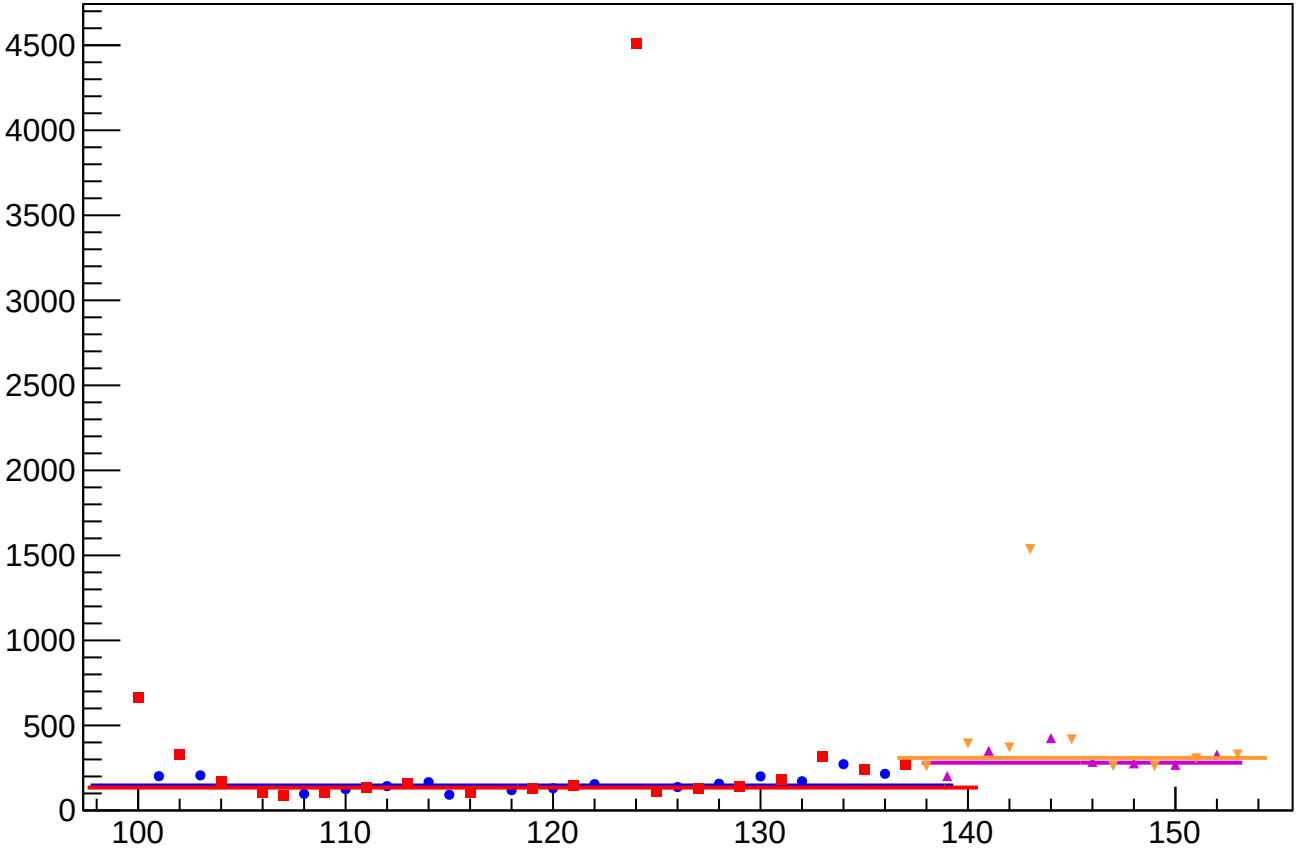
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.049+/-0.052 χ^2/NDF:20.3/22

Out: -0.052+/-0.050 χ^2/NDF:32.0/27

All: -0.003+/-0.036 χ^2/NDF: 54.2/50

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: 309.013+/-0.088 χ^2/NDF:1418308.0/8

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 280.888+/-0.083 χ^2/NDF:544132.6/6

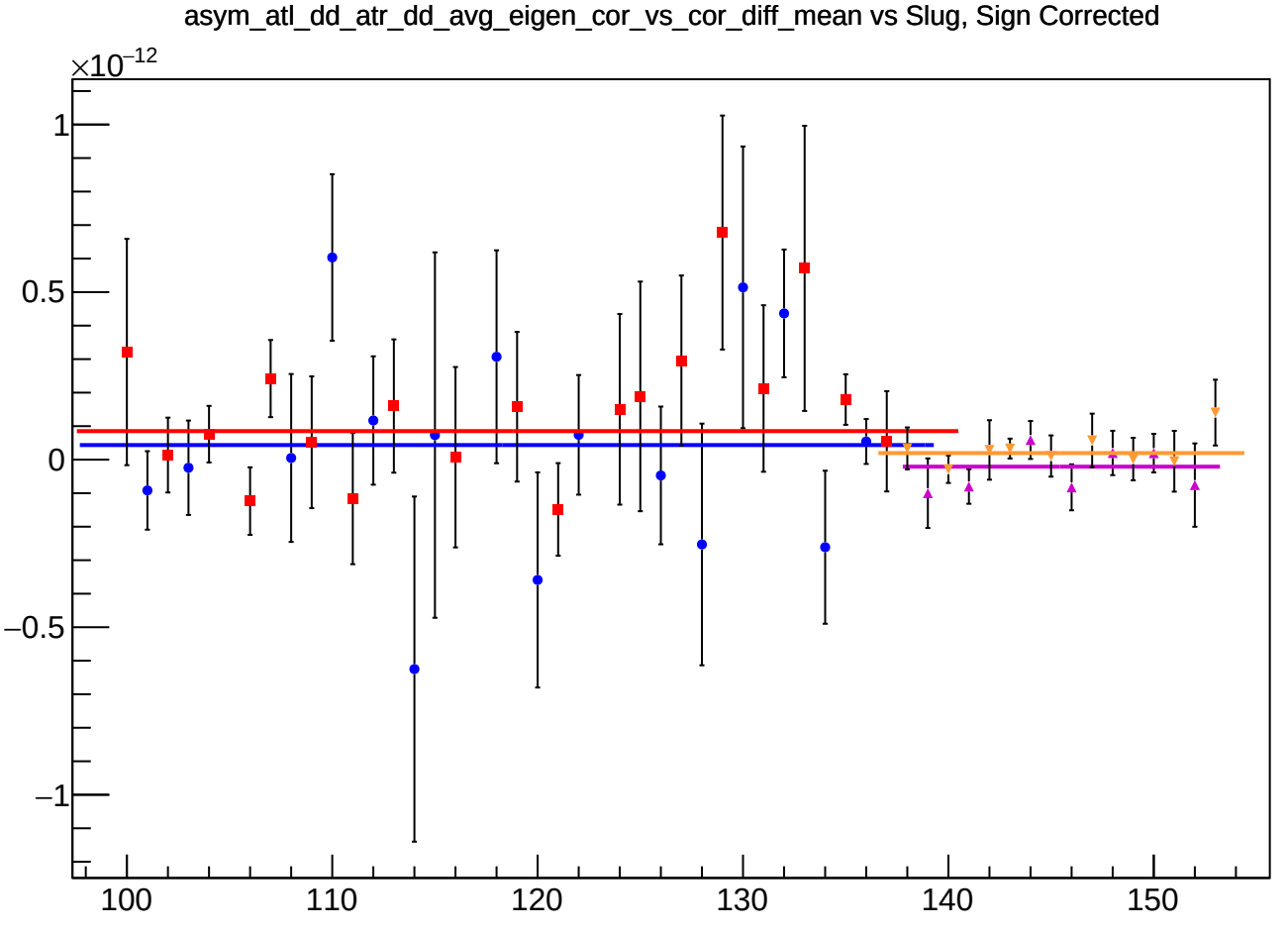
Left: 294.190+/-0.060 χ^2/NDF: 2016675.6/15

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 172.891+/-0.037 χ^2/NDF:3641488.5/22

Out: 163.005+/-0.035 χ^2/NDF:6339304.9/27

All: 167.785+/-0.025 χ^2/NDF: 10018436.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.6/8

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:5.8/6

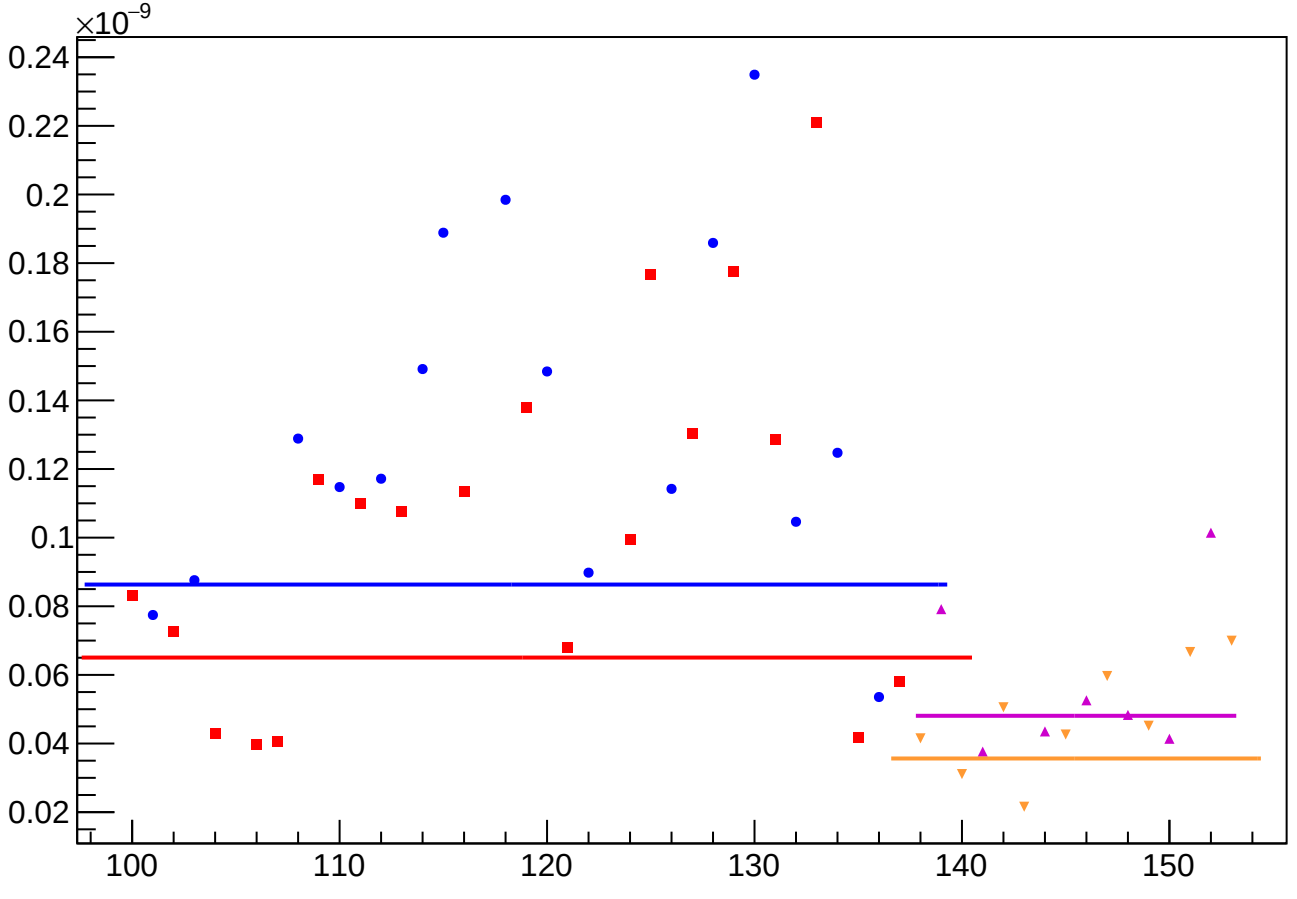
Left: 0.000+/-0.000 χ^2/NDF: 11.0/15

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: -0.000+/-0.000 χ^2/NDF:26.4/22

Out: 0.000+/-0.000 χ^2/NDF:24.6/27

All: 0.000+/-0.000 χ^2/NDF: 53.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1279426.7/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:678131.0/6

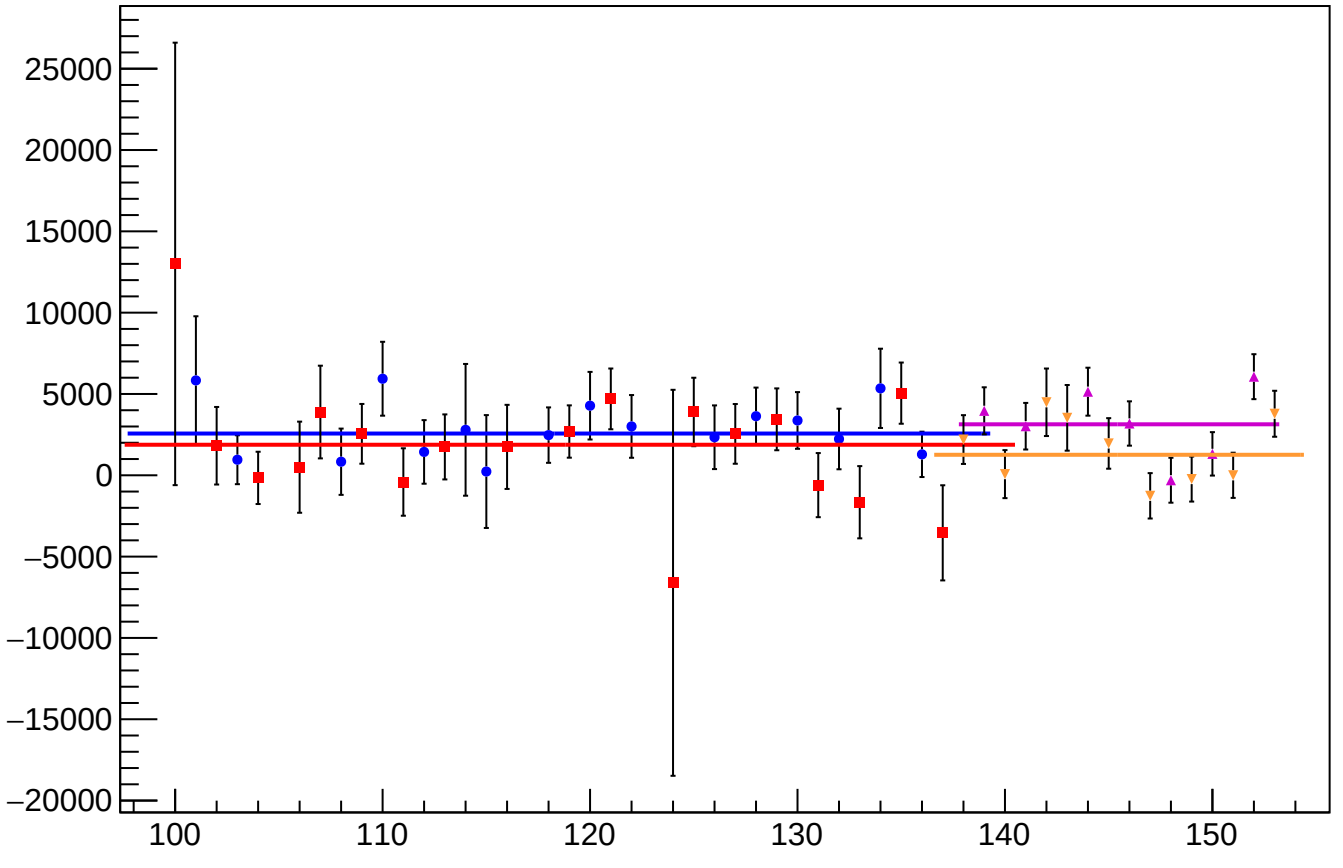
Left: 0.000+/-0.000 χ^2/NDF: 2279464.9/15

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:3434958.0/22

Out: 0.000+/-0.000 χ^2/NDF:4588730.5/27

All: 0.000+/-0.000 χ^2/NDF: 8706372.8/50



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1261.010+/-509.703 χ^2/NDF:13.4/8

Right Out: 1878.030+/-494.719 χ^2/NDF: 19.5/18

Left In: 3135.250+/-529.093 χ^2/NDF:14.7/6

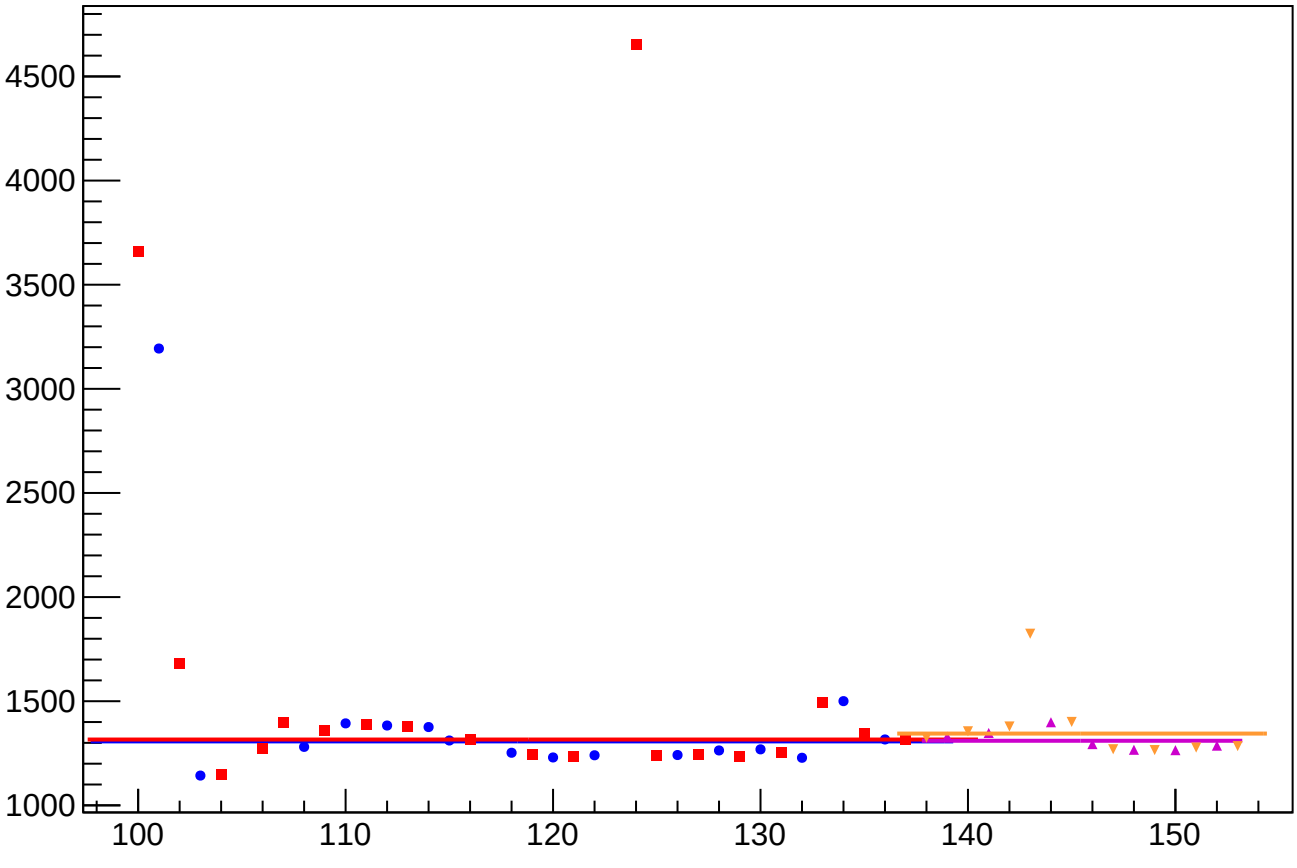
Left: 2163.159+/-367.078 χ^2/NDF: 34.6/15

Right: 2222.296+/-350.047 χ^2/NDF: 29.6/34

In: 2832.682+/-361.612 χ^2/NDF:24.4/22

Out: 1578.722+/-354.998 χ^2/NDF:33.7/27

All: 2194.131+/-253.328 χ^2/NDF: 64.2/50



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1344.572+/-0.360 χ^2/NDF:137054.2/8

Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1310.053+/-0.374 χ^2/NDF:14118.1/6

Left: 1327.957+/-0.260 χ^2/NDF: 155587.6/15

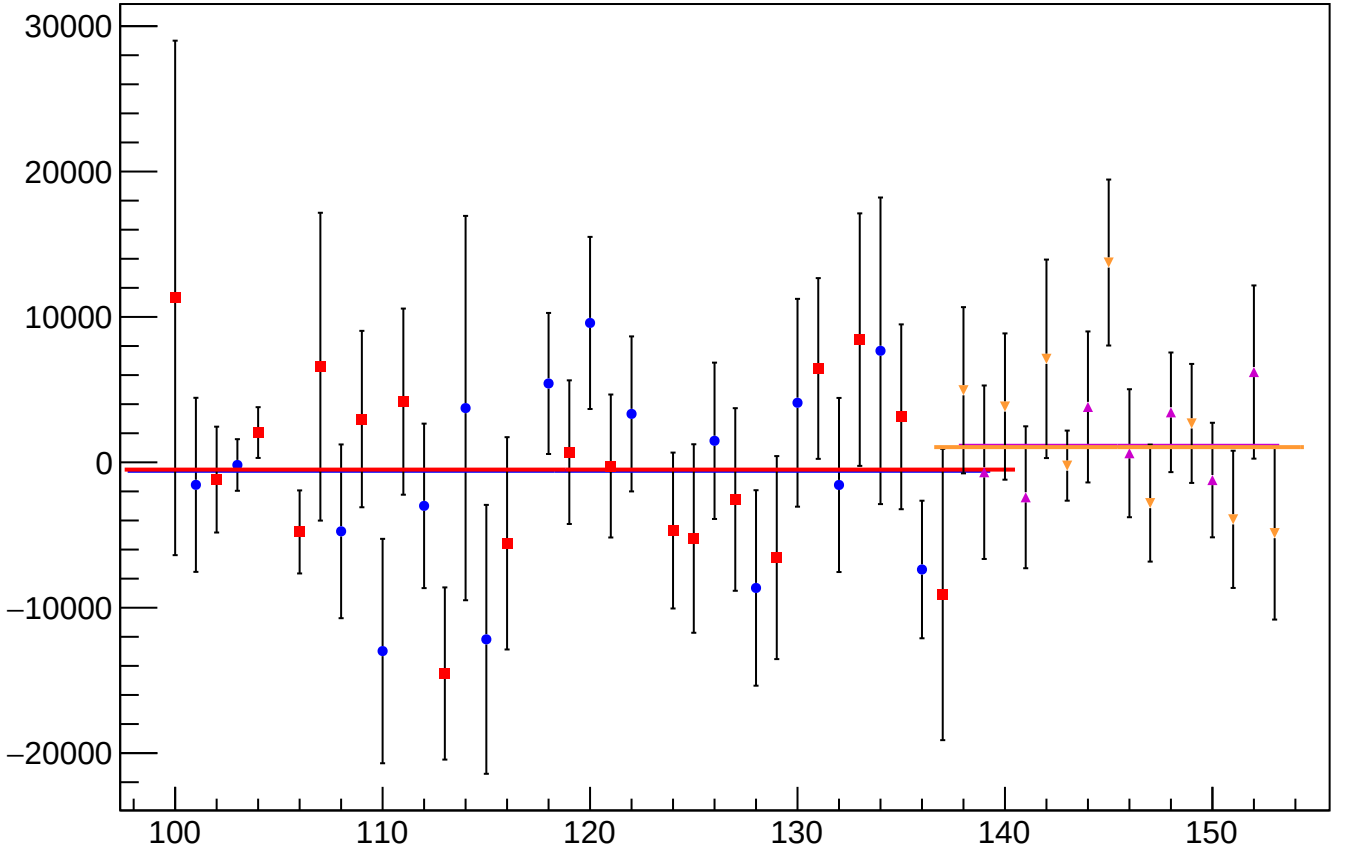
Right: 1311.551+/-0.247 χ^2/NDF: 842995.4/34

In: 1308.462+/-0.256 χ^2/NDF:530401.1/22

Out: 1329.821+/-0.251 χ^2/NDF:466719.0/27

All: 1319.354+/-0.179 χ^2/NDF: 1000677.9/50

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: 1046.125+/-1430.024 χ^2/NDF:10.0/8

Right Out: -500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: 1138.160+/-1794.676 χ^2/NDF:2.3/6

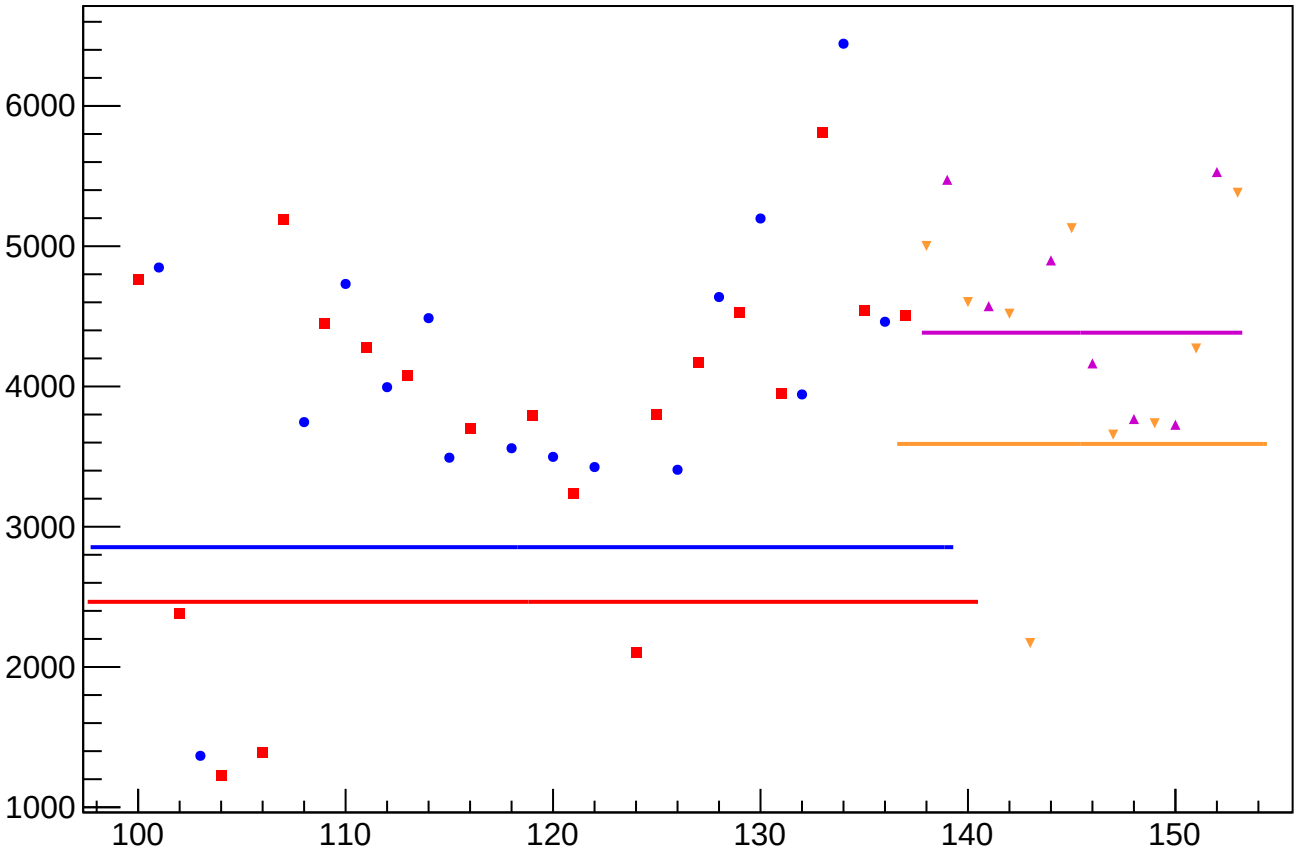
Left: 1081.866+/-1118.397 χ^2/NDF: 12.3/15

Right: -535.969+/-790.447 χ^2/NDF: 32.4/34

In: -54.773+/-993.437 χ^2/NDF:17.7/22

Out: 45.154+/-849.192 χ^2/NDF:28.4/27

All: 2.965+/-645.500 χ^2/NDF: 46.1/50



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 3590.494+/-1.011 χ^2/NDF:1304651.4/8

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

Left In: 4383.468+/-1.269 χ^2/NDF:268732.7/6

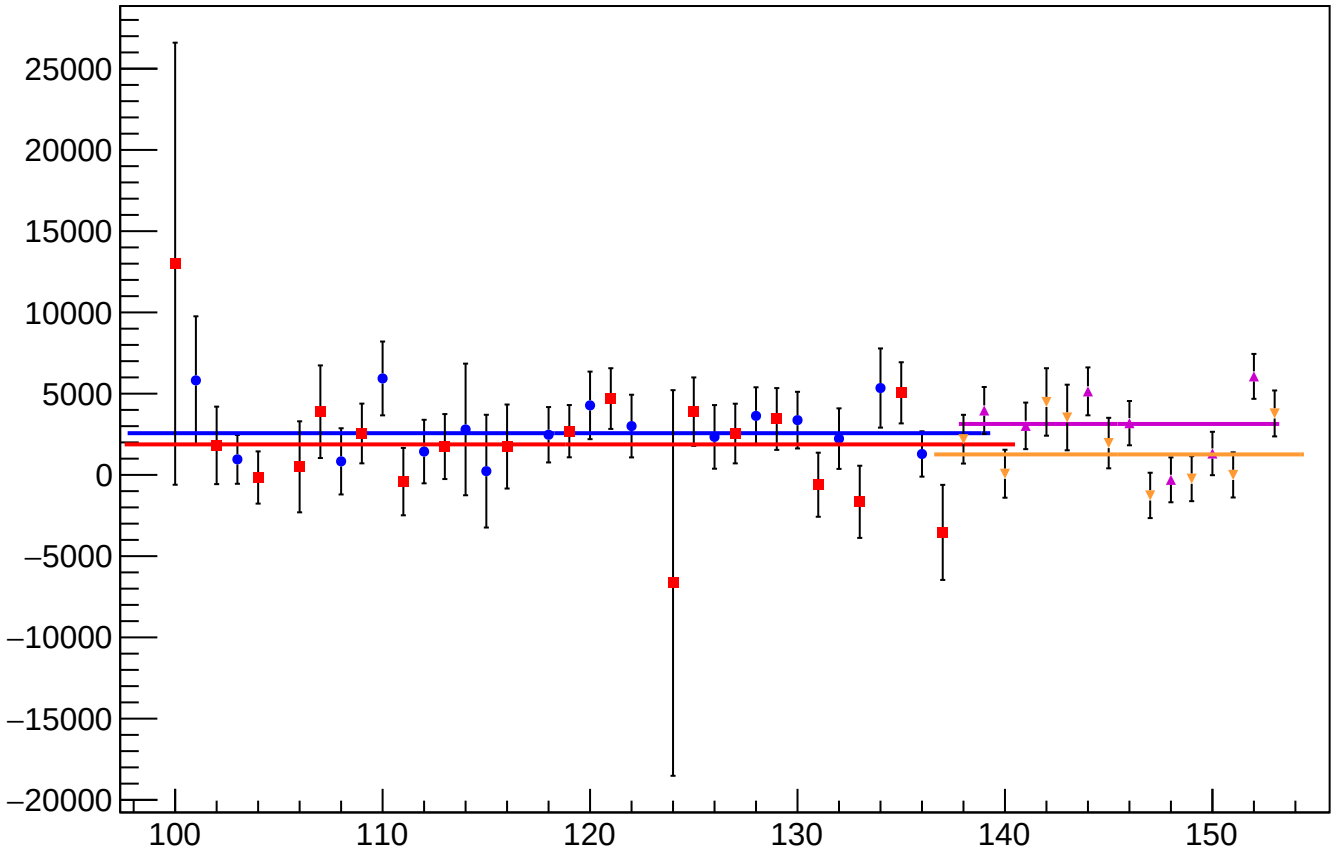
Left: 3898.443+/-0.791 χ^2/NDF: 1812209.8/15

Right: 2635.714+/-0.559 χ^2/NDF: 6380500.9/34

In: 3322.858+/-0.702 χ^2/NDF:4180646.5/22

Out: 2861.625+/-0.600 χ^2/NDF:5463188.1/27

All: 3056.355+/-0.456 χ^2/NDF: 9892934.0/50



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1260.915+/-509.703 χ^2/NDF:13.4/8

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 3135.447+/-529.093 χ^2/NDF:14.7/6

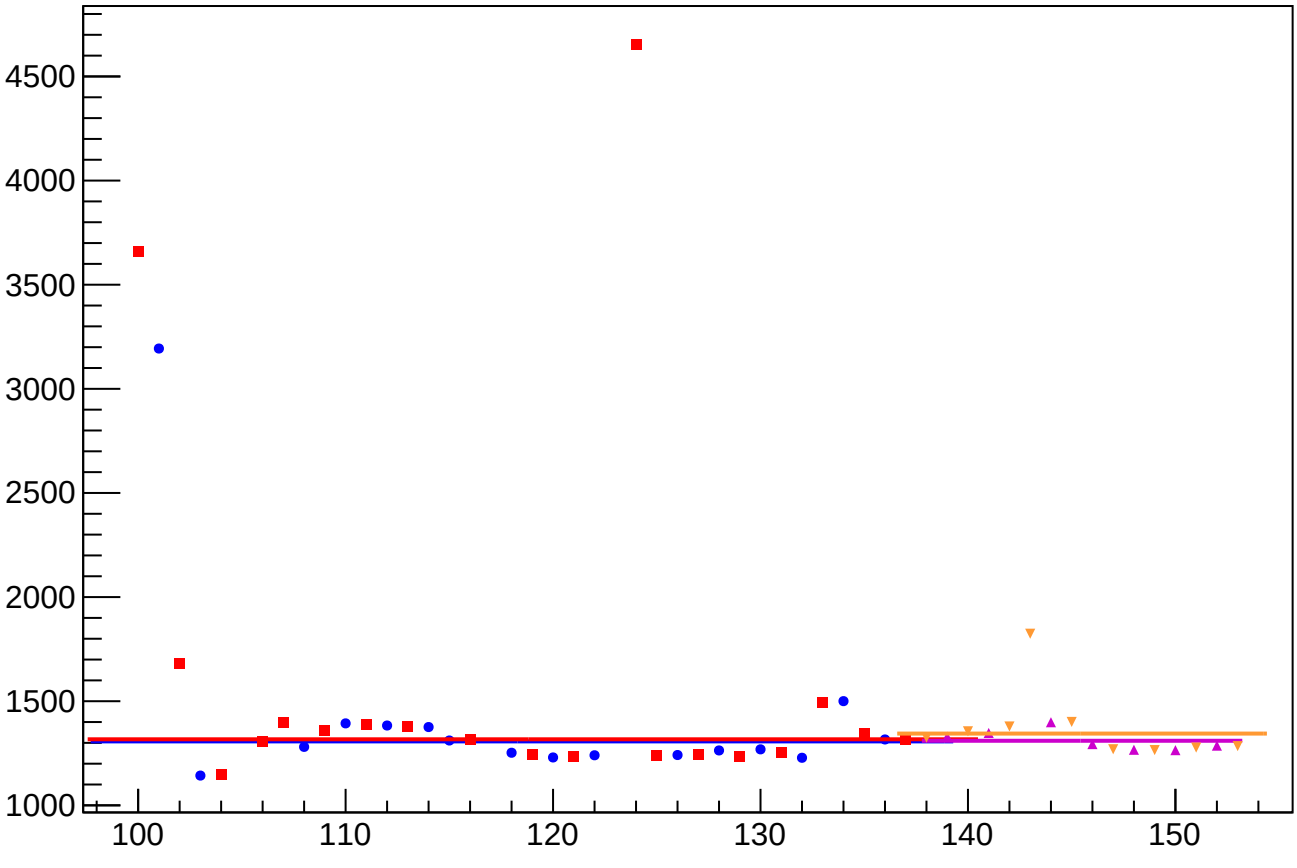
Left: 2163.204+/-367.078 χ^2/NDF: 34.6/15

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2832.625+/-361.612 χ^2/NDF:24.4/22

Out: 1578.545+/-354.998 χ^2/NDF:33.7/27

All: 2194.012+/-253.328 χ^2/NDF: 64.2/50



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1344.572+/-0.360 χ^2/NDF:137054.2/8

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1310.053+/-0.374 χ^2/NDF:14118.1/6

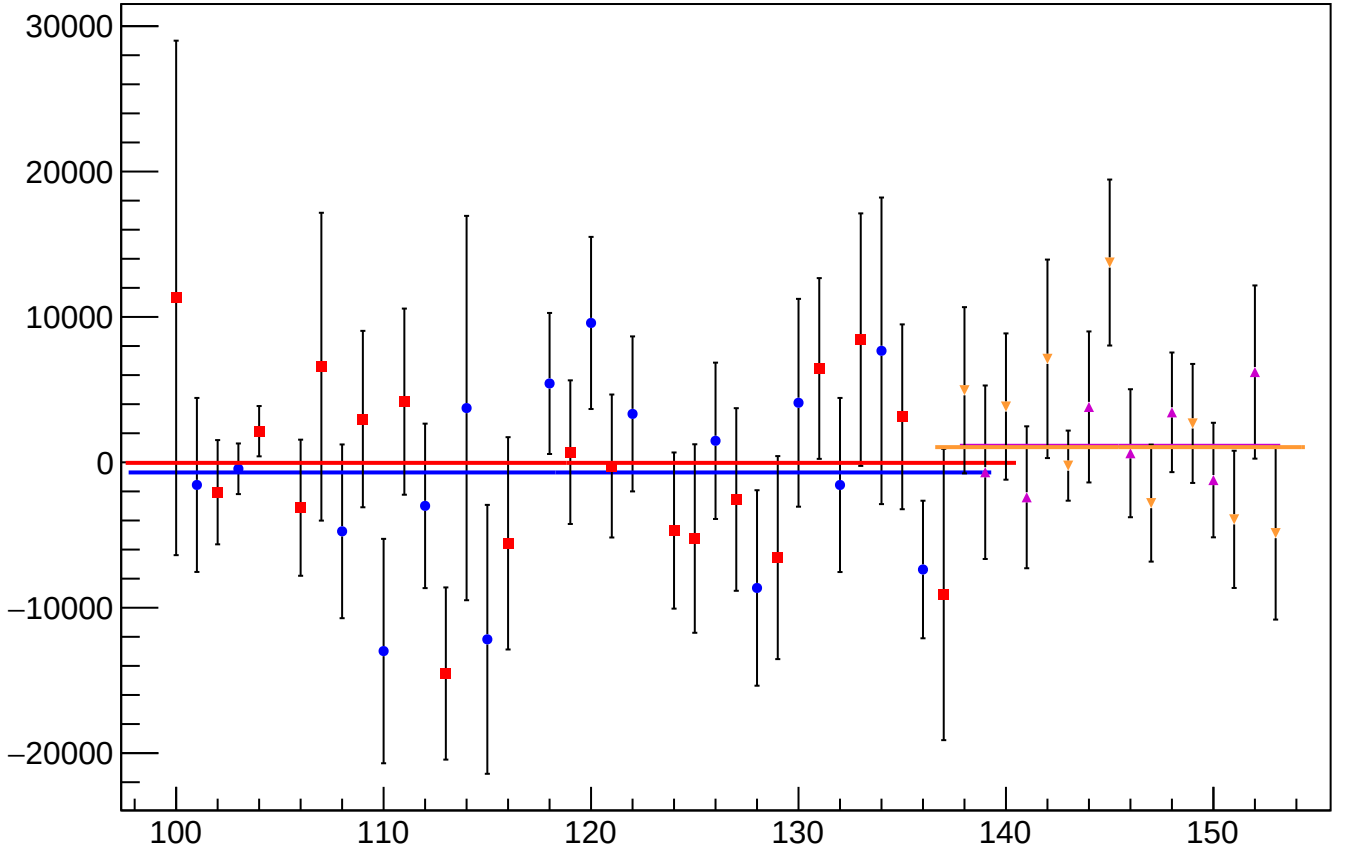
Left: 1327.957+/-0.260 χ^2/NDF: 155587.6/15

Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1308.462+/-0.256 χ^2/NDF:530402.6/22

Out: 1330.415+/-0.251 χ^2/NDF:465972.1/27

All: 1319.652+/-0.179 χ^2/NDF: 1000131.6/50



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: 1046.070+/-1430.016 χ^2/NDF:10.0/8

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 1138.228+/-1794.676 χ^2/NDF:2.3/6

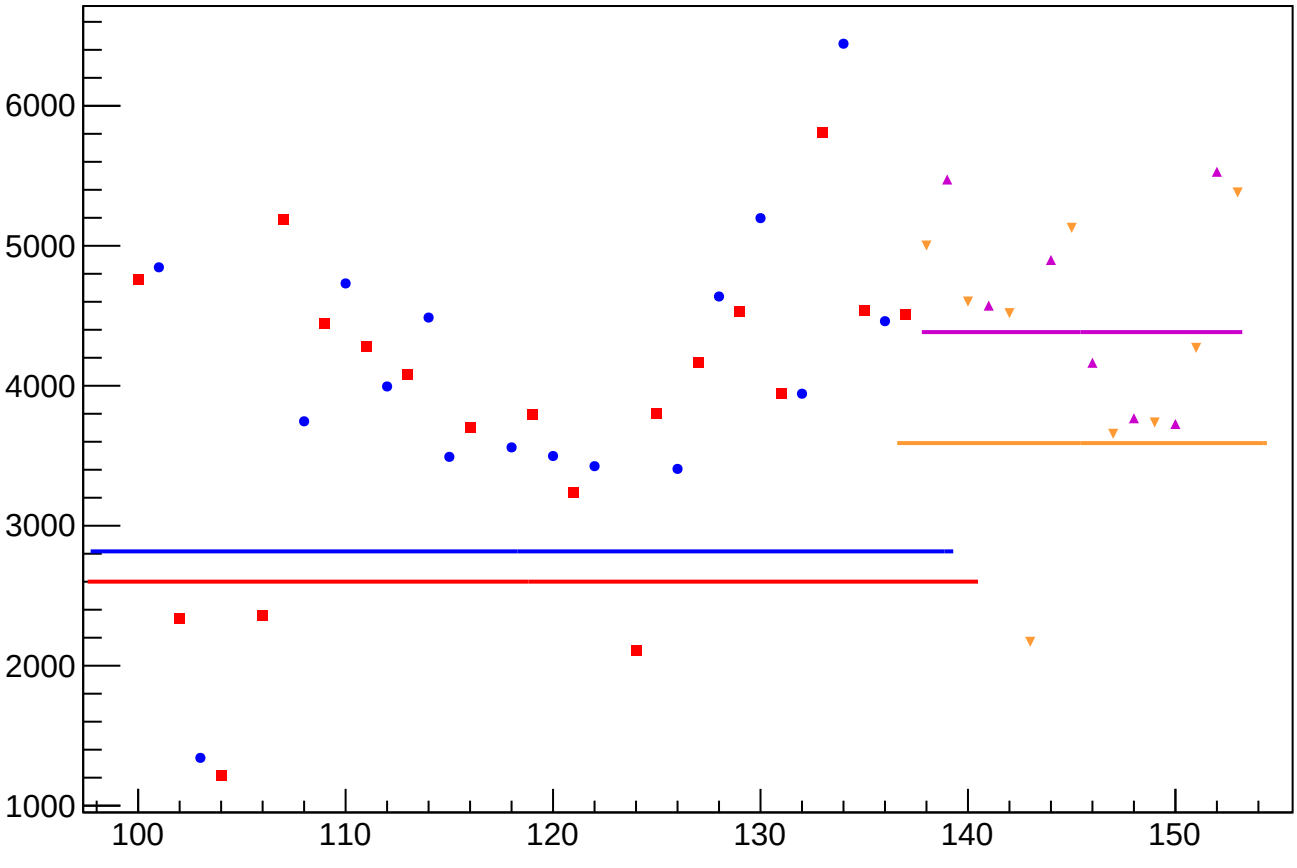
Left: 1081.859+/-1118.393 χ^2/NDF: 12.3/15

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -140.266+/-987.389 χ^2/NDF:17.7/22

Out: 365.354+/-870.996 χ^2/NDF:26.3/27

All: 144.088+/-653.181 χ^2/NDF: 44.1/50



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3590.469+/-1.011 χ^2/NDF:1304694.6/8

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4383.468+/-1.269 χ^2/NDF:268735.0/6

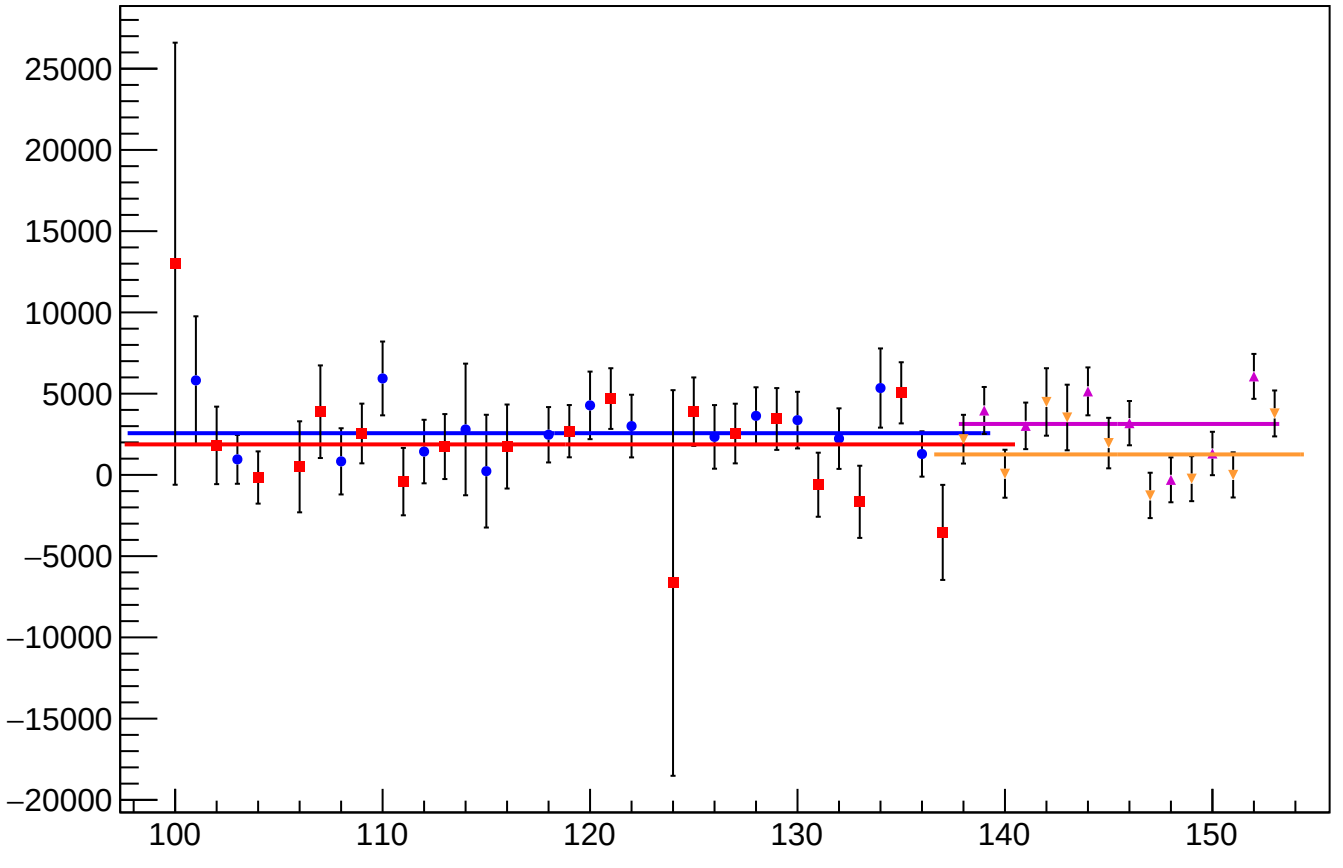
Left: 3898.425+/-0.791 χ^2/NDF: 1812271.4/15

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3291.010+/-0.698 χ^2/NDF:4339086.5/22

Out: 2967.774+/-0.616 χ^2/NDF:4988351.1/27

All: 3109.227+/-0.462 χ^2/NDF: 9447976.6/50



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1260.915+/-509.703 χ^2/NDF:13.4/8

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 3135.447+/-529.093 χ^2/NDF:14.7/6

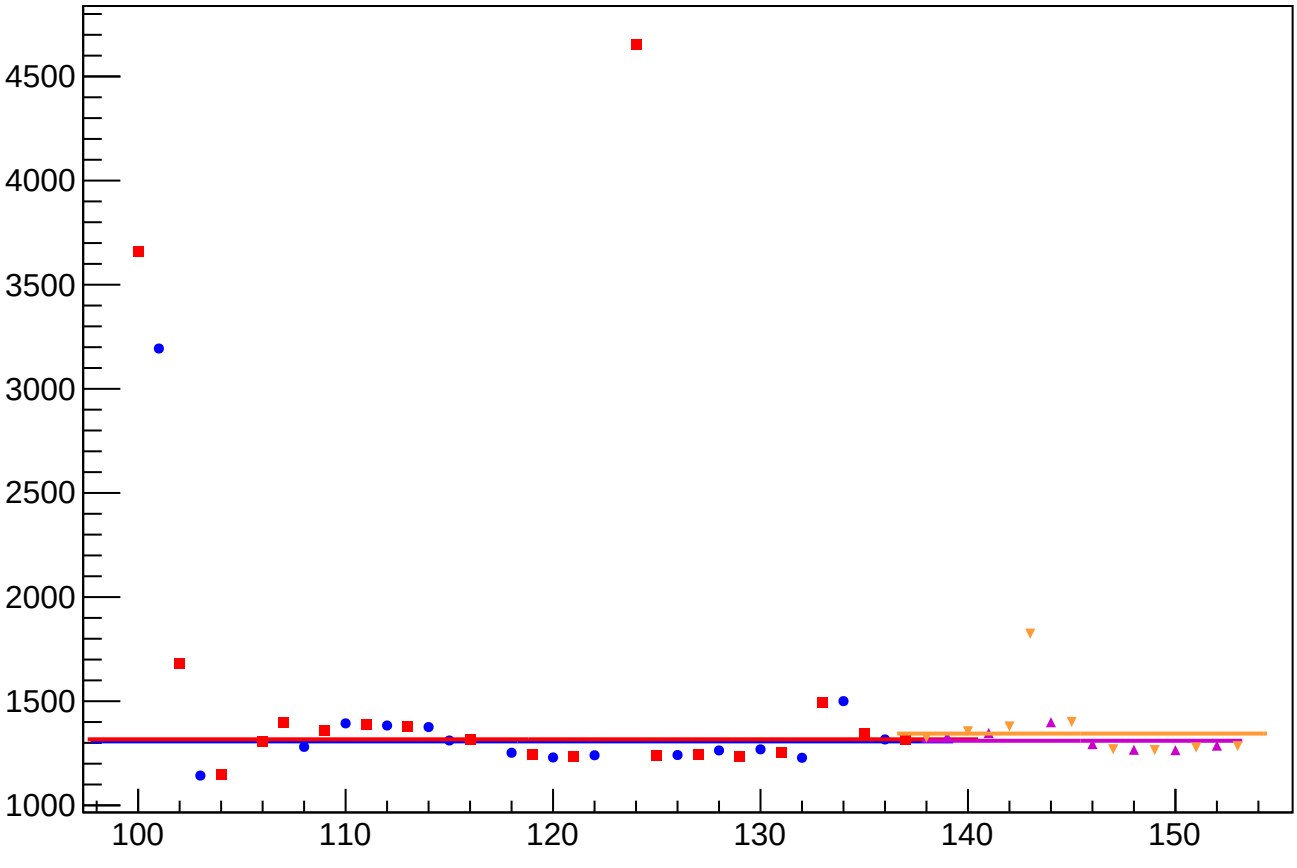
Left: 2163.204+/-367.078 χ^2/NDF: 34.6/15

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2832.625+/-361.612 χ^2/NDF:24.4/22

Out: 1578.545+/-354.998 χ^2/NDF:33.7/27

All: 2194.012+/-253.328 χ^2/NDF: 64.2/50



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1344.572+/-0.360 χ^2/NDF:137054.2/8

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1310.053+/-0.374 χ^2/NDF:14118.1/6

Left: 1327.957+/-0.260 χ^2/NDF: 155587.6/15

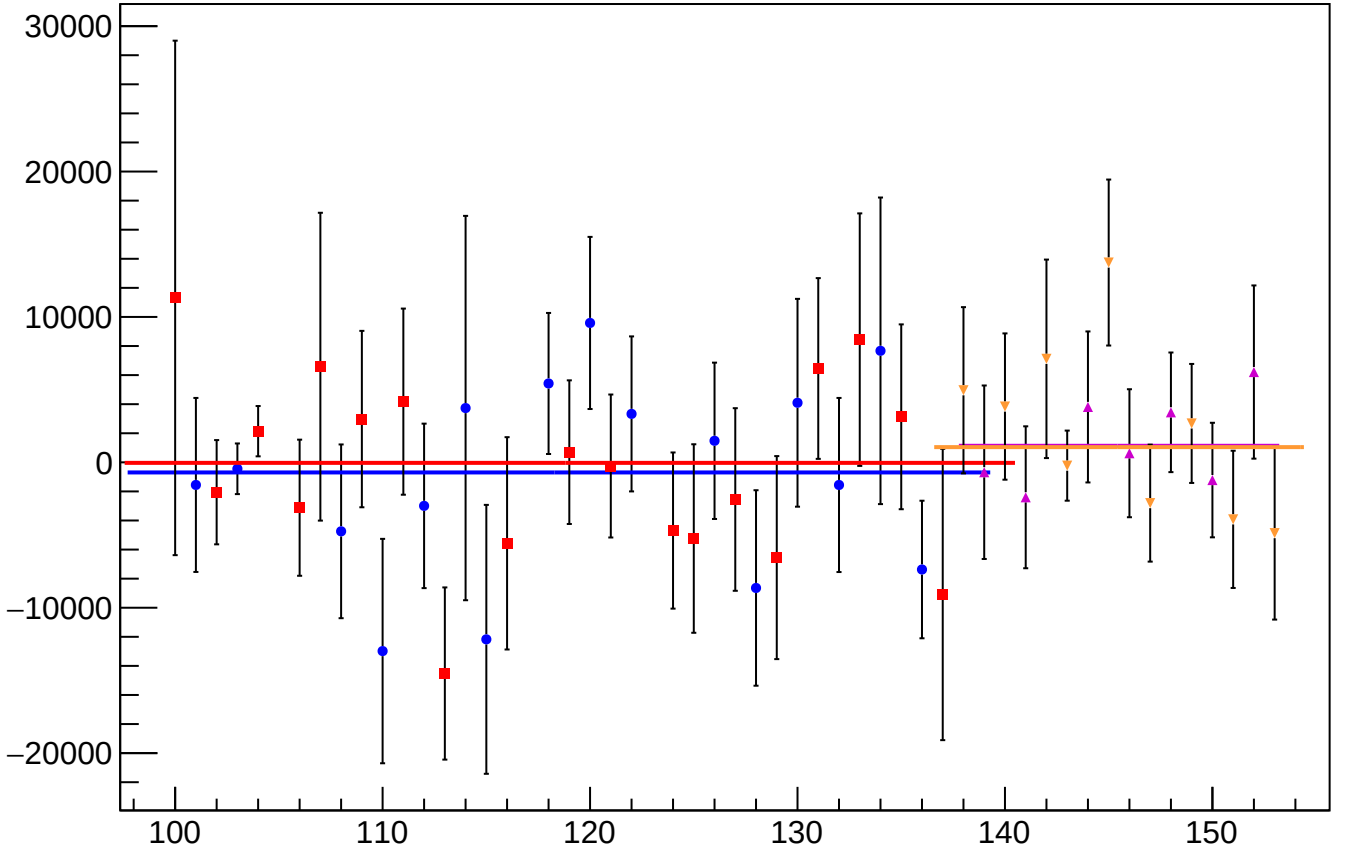
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1308.462+/-0.256 χ^2/NDF:530402.6/22

Out: 1330.415+/-0.251 χ^2/NDF:465972.1/27

All: 1319.652+/-0.179 χ^2/NDF: 1000131.6/50

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: 1046.070+/-1430.016 χ^2/NDF:10.0/8

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 1138.228+/-1794.676 χ^2/NDF:2.3/6

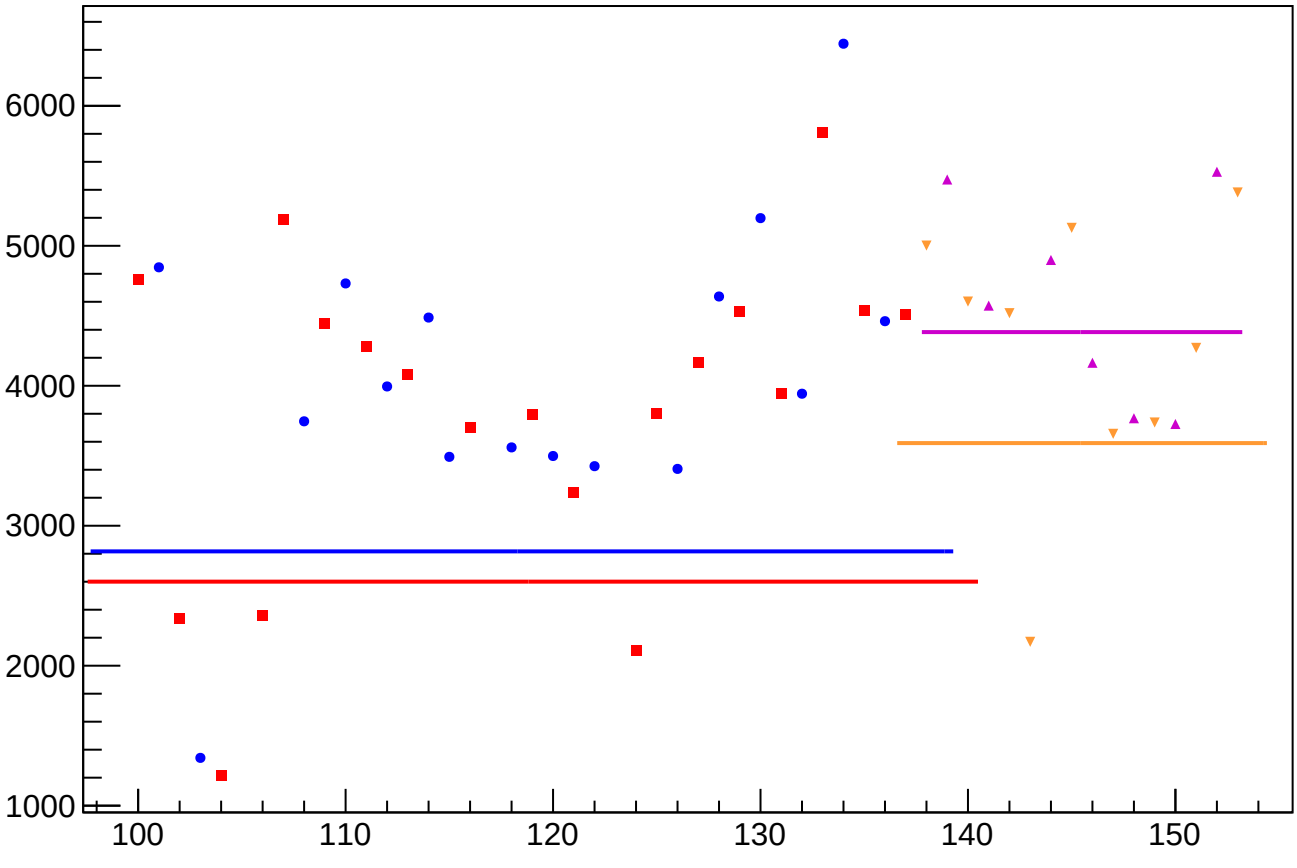
Left: 1081.859+/-1118.393 χ^2/NDF: 12.3/15

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -140.266+/-987.389 χ^2/NDF:17.7/22

Out: 365.354+/-870.996 χ^2/NDF:26.3/27

All: 144.088+/-653.181 χ^2/NDF: 44.1/50



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 3590.469+/-1.011 χ^2/NDF:1304694.6/8

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4383.468+/-1.269 χ^2/NDF:268735.0/6

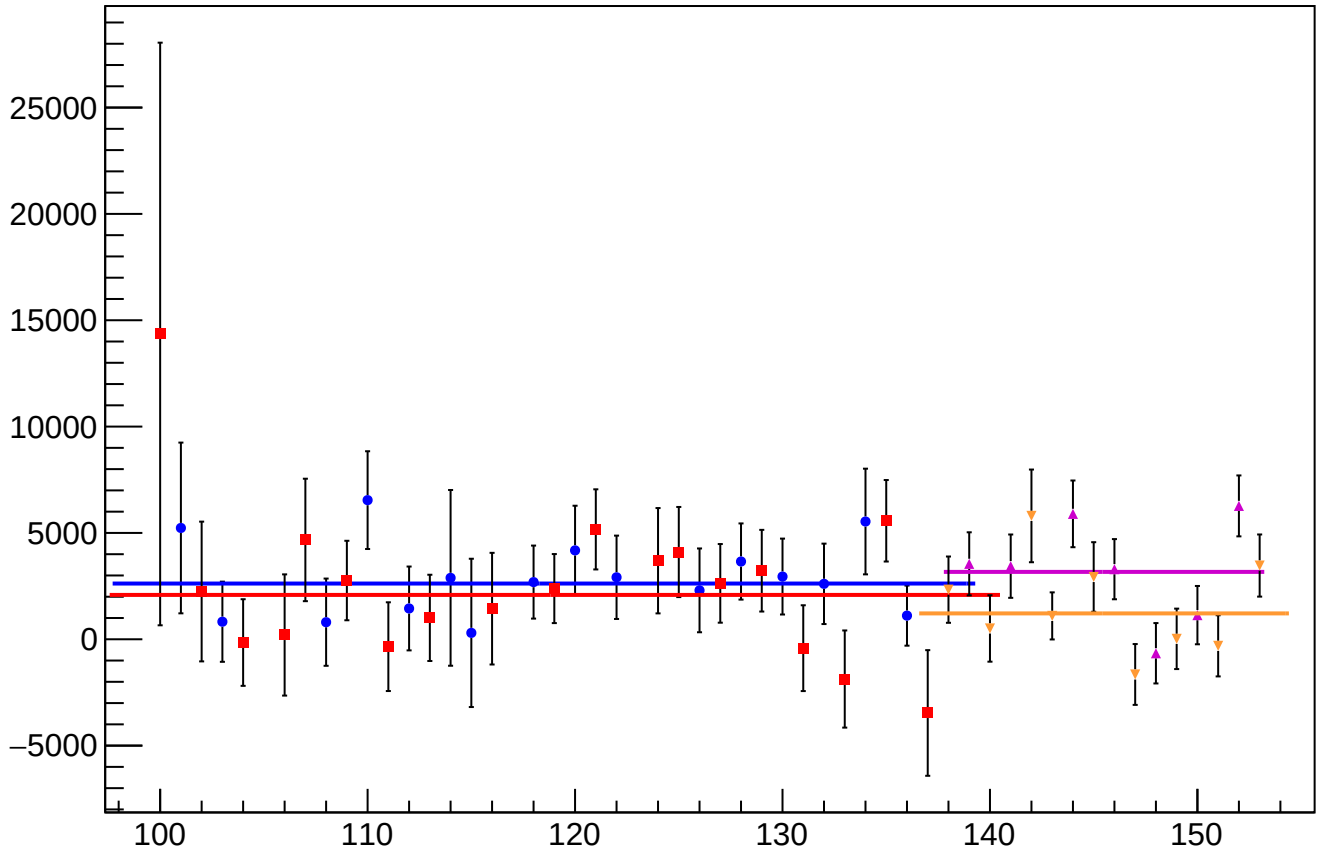
Left: 3898.425+/-0.791 χ^2/NDF: 1812271.4/15

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3291.010+/-0.698 χ^2/NDF:4339086.5/22

Out: 2967.774+/-0.616 χ^2/NDF:4988351.1/27

All: 3109.227+/-0.462 χ^2/NDF: 9447976.6/50



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1216.229+/-490.392 χ^2/NDF:14.5/8

Right Out: 2085.606+/-504.873 χ^2/NDF: 20.9/18

Left In: 3168.252+/-548.102 χ^2/NDF:17.3/6

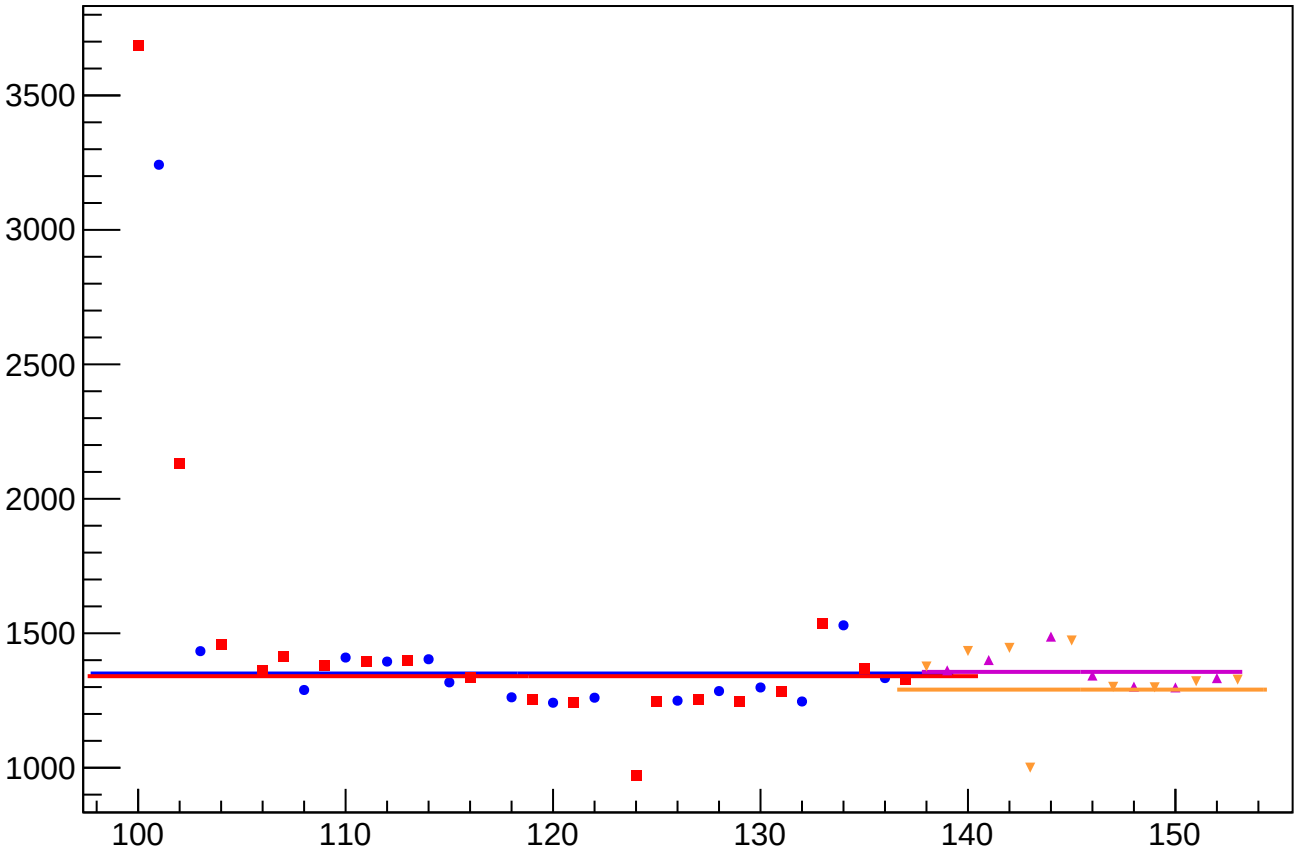
Left: 2084.097+/-365.465 χ^2/NDF: 38.8/15

Right: 2349.577+/-359.323 χ^2/NDF: 30.8/34

In: 2875.501+/-373.960 χ^2/NDF:27.1/22

Out: 1638.271+/-351.767 χ^2/NDF:37.0/27

All: 2219.087+/-256.224 χ^2/NDF: 69.9/50



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1290.538+/-0.347 χ^2/NDF:197863.9/8

Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1356.451+/-0.388 χ^2/NDF:22987.7/6

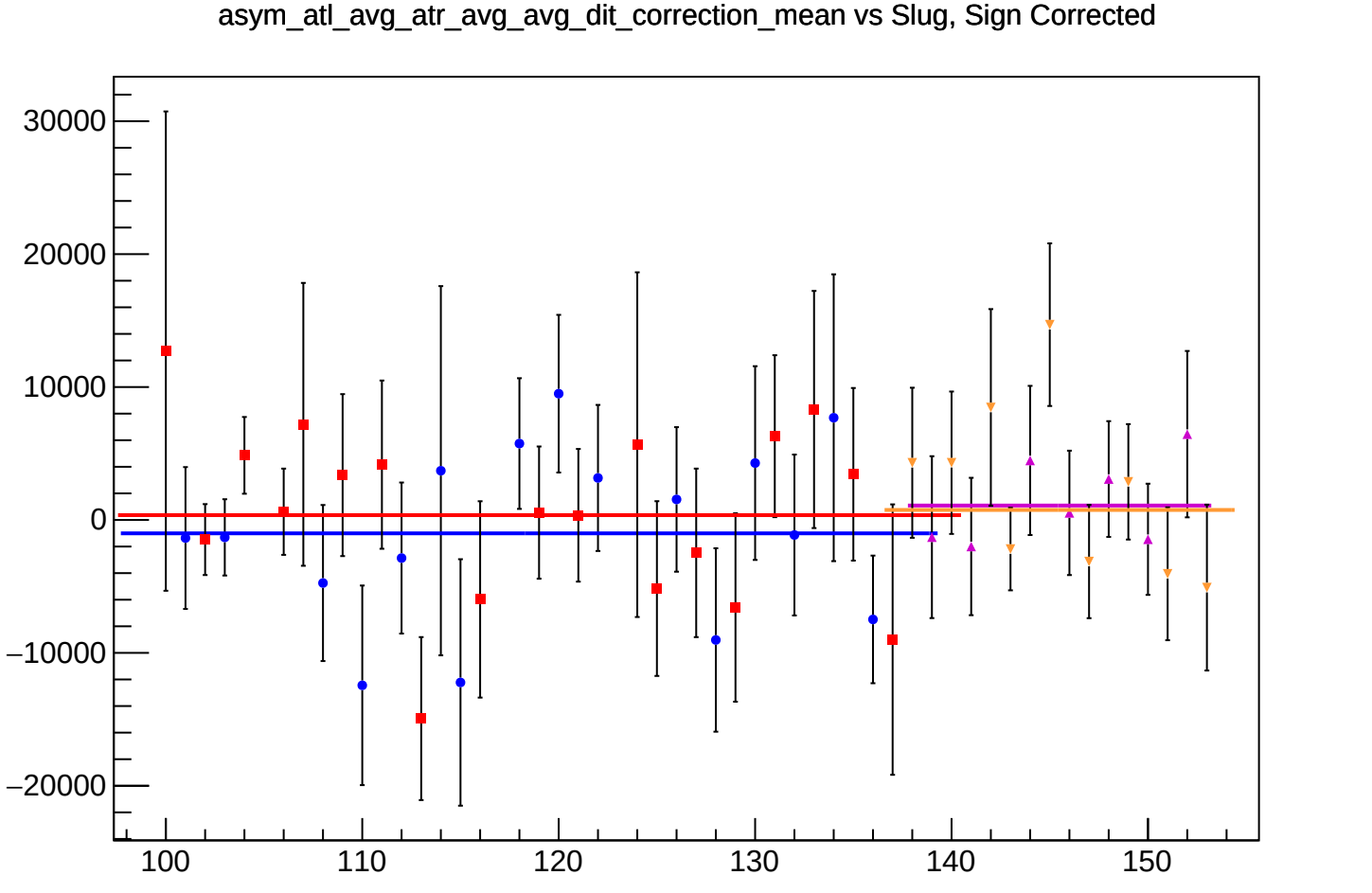
Left: 1319.843+/-0.258 χ^2/NDF: 236916.1/15

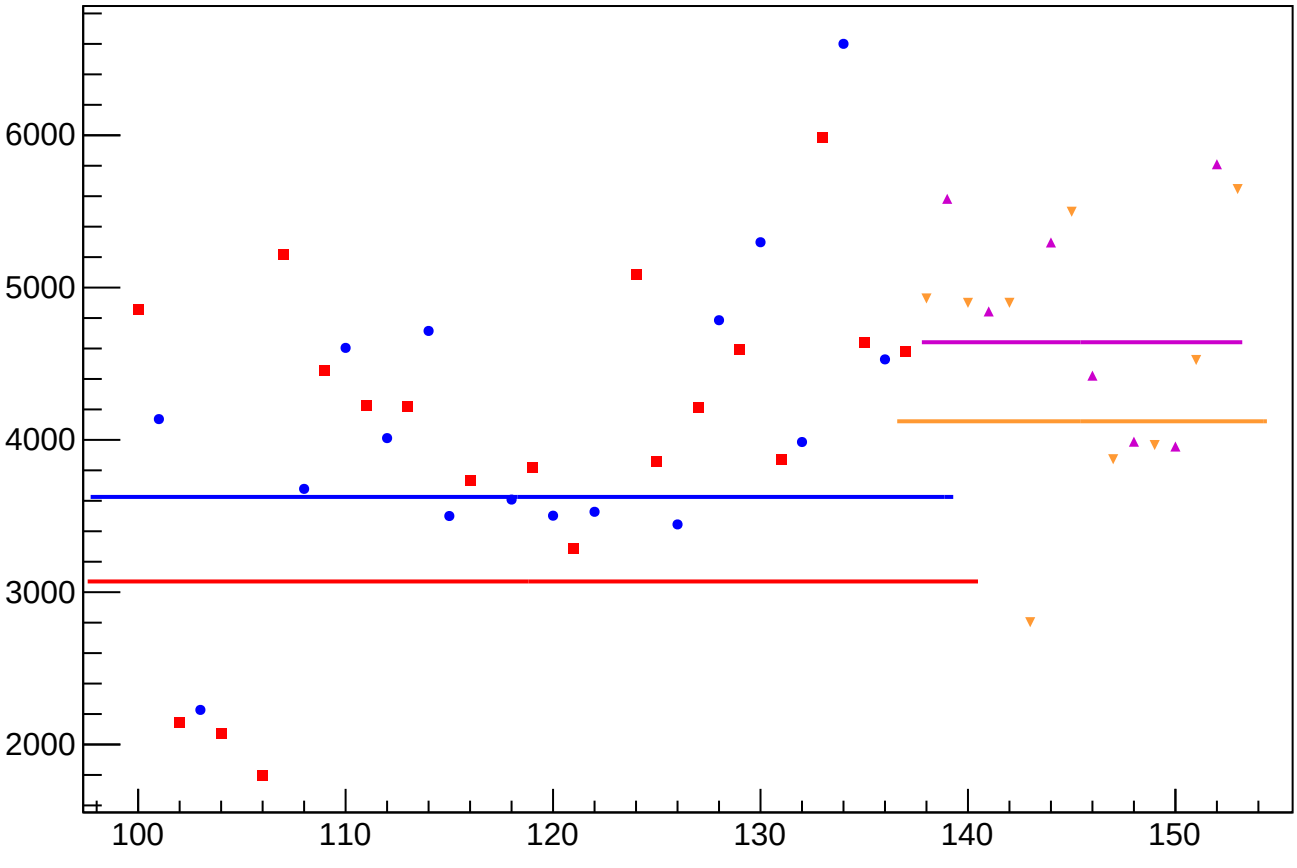
Right: 1345.331+/-0.254 χ^2/NDF: 766617.4/34

In: 1353.200+/-0.264 χ^2/NDF:517170.5/22

Out: 1314.773+/-0.249 χ^2/NDF:480103.2/27

All: 1332.807+/-0.181 χ^2/NDF: 1008481.3/50


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
Right In: -1006.752+/-1404.458 χ²/NDF: 14.6/15
Left Out: 752.715+/-1604.114 χ²/NDF:10.9/8
Right Out: 364.493+/-1202.498 χ²/NDF: 16.2/18
Left In: 1085.611+/-1899.017 χ²/NDF:2.2/6
Left: 891.336+/-1225.432 χ²/NDF: 13.1/15
Right: -215.533+/-913.430 χ²/NDF: 31.4/34
In: -266.948+/-1129.194 χ²/NDF:17.6/22
Out: 504.166+/-962.168 χ²/NDF:27.1/27
All: 179.803+/-732.360 χ²/NDF: 45.0/50



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 4122.082+/-1.134 χ^2/NDF:708617.7/8

Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 4641.157+/-1.343 χ^2/NDF:250897.8/6

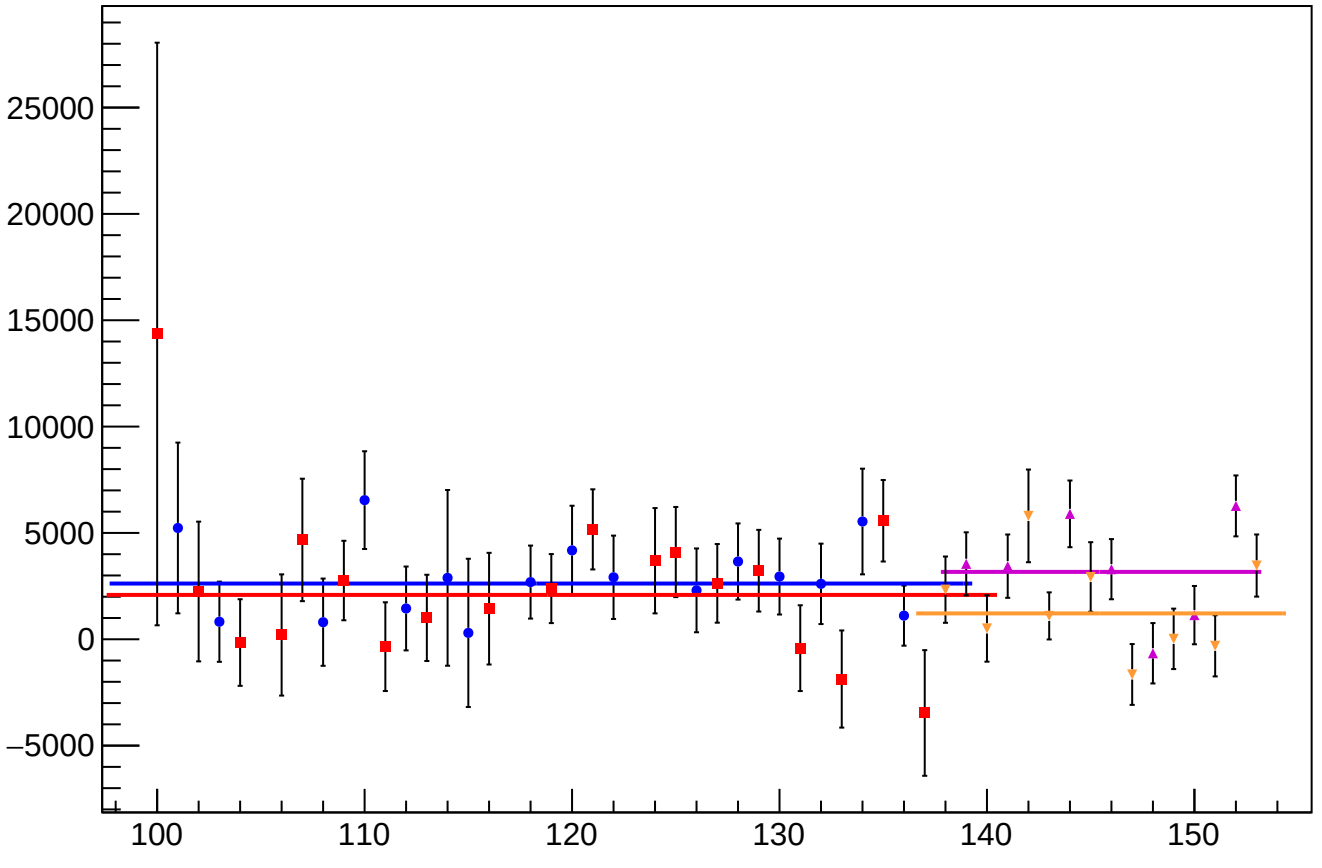
Left: 4338.230+/-0.867 χ^2/NDF: 1046720.2/15

Right: 3305.233+/-0.646 χ^2/NDF: 2963820.1/34

In: 3984.617+/-0.798 χ^2/NDF:1565610.3/22

Out: 3448.796+/-0.680 χ^2/NDF:3097611.0/27

All: 3674.184+/-0.518 χ^2/NDF: 4924124.1/50



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1216.229+/-490.392 χ^2/NDF:14.5/8

Right Out: 2085.608+/-504.873 χ^2/NDF: 20.9/18

Left In: 3168.250+/-548.103 χ^2/NDF:17.3/6

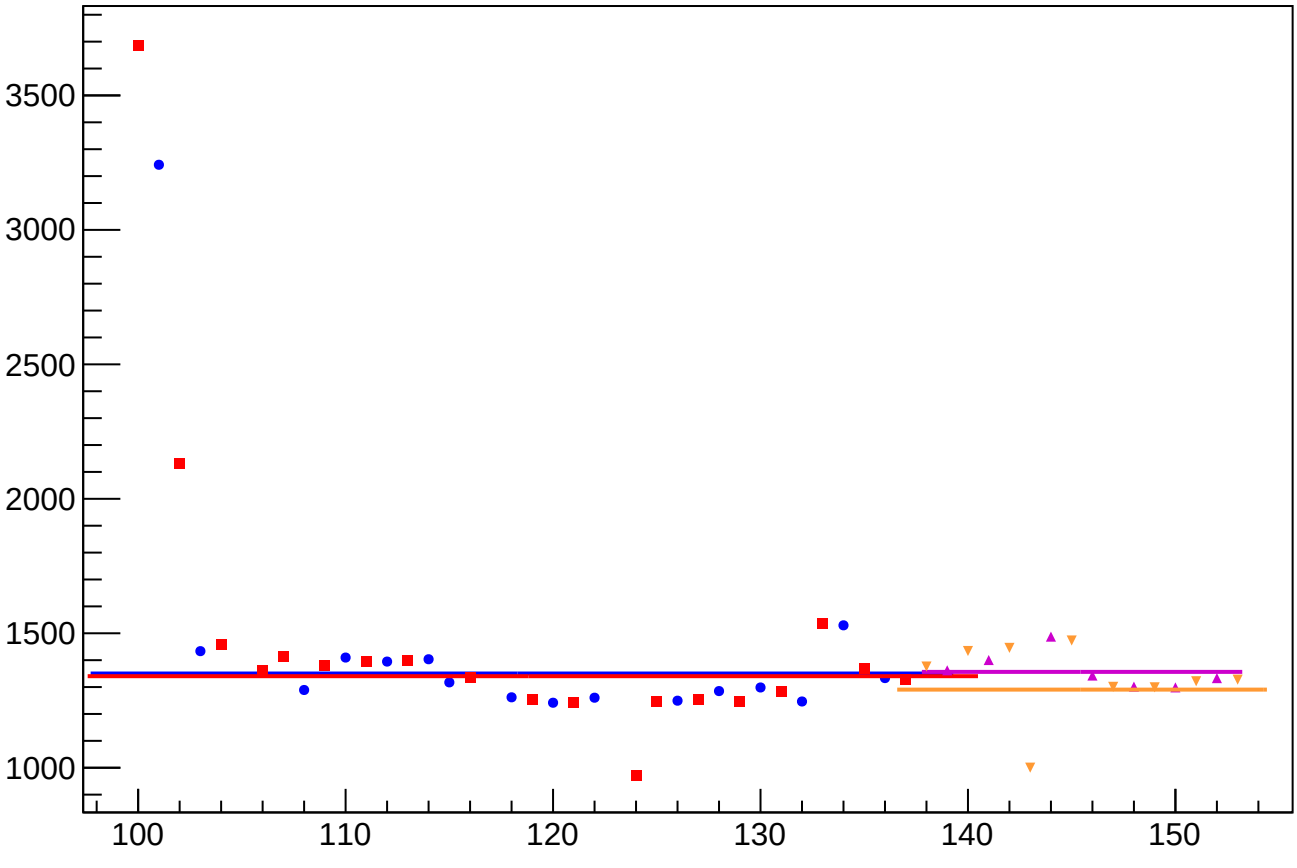
Left: 2084.096+/-365.466 χ^2/NDF: 38.8/15

Right: 2349.579+/-359.323 χ^2/NDF: 30.8/34

In: 2875.500+/-373.960 χ^2/NDF:27.1/22

Out: 1638.272+/-351.768 χ^2/NDF:37.0/27

All: 2219.088+/-256.224 χ^2/NDF: 69.9/50



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.2/15

Left Out: 1290.539+/-0.347 χ^2/NDF:197864.0/8

Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1356.453+/-0.388 χ^2/NDF:22988.0/6

Left: 1319.844+/-0.258 χ^2/NDF: 236916.6/15

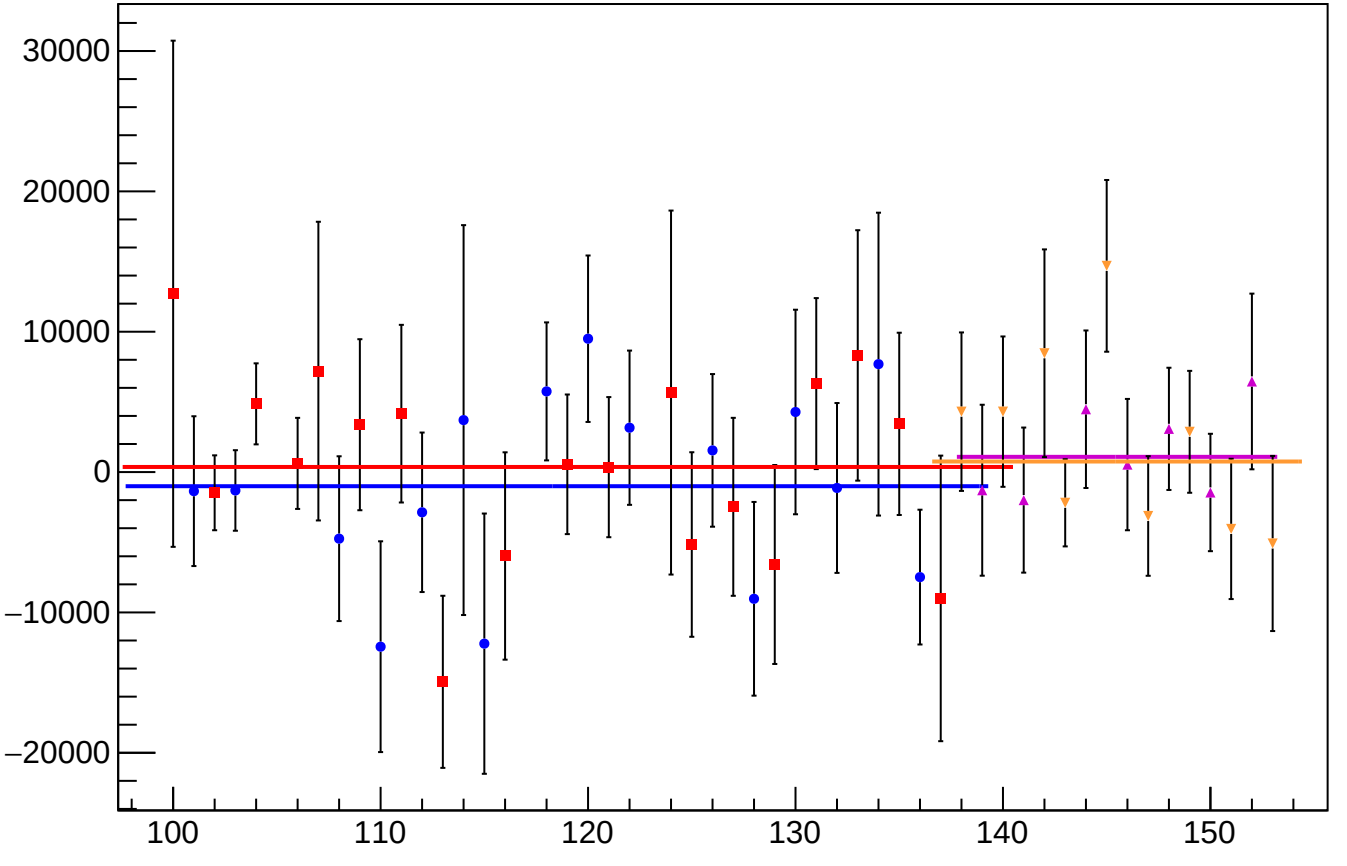
Right: 1345.330+/-0.254 χ^2/NDF: 766616.6/34

In: 1353.201+/-0.264 χ^2/NDF:517170.9/22

Out: 1314.773+/-0.249 χ^2/NDF:480101.8/27

All: 1332.807+/-0.181 χ^2/NDF: 1008480.4/50

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1006.742+/-1404.455 χ^2/NDF: 14.6/15

Left Out: 752.712+/-1604.116 χ^2/NDF:10.9/8

Right Out: 364.495+/-1202.495 χ^2/NDF: 16.2/18

Left In: 1085.610+/-1899.020 χ^2/NDF:2.2/6

Left: 891.334+/-1225.434 χ^2/NDF: 13.1/15

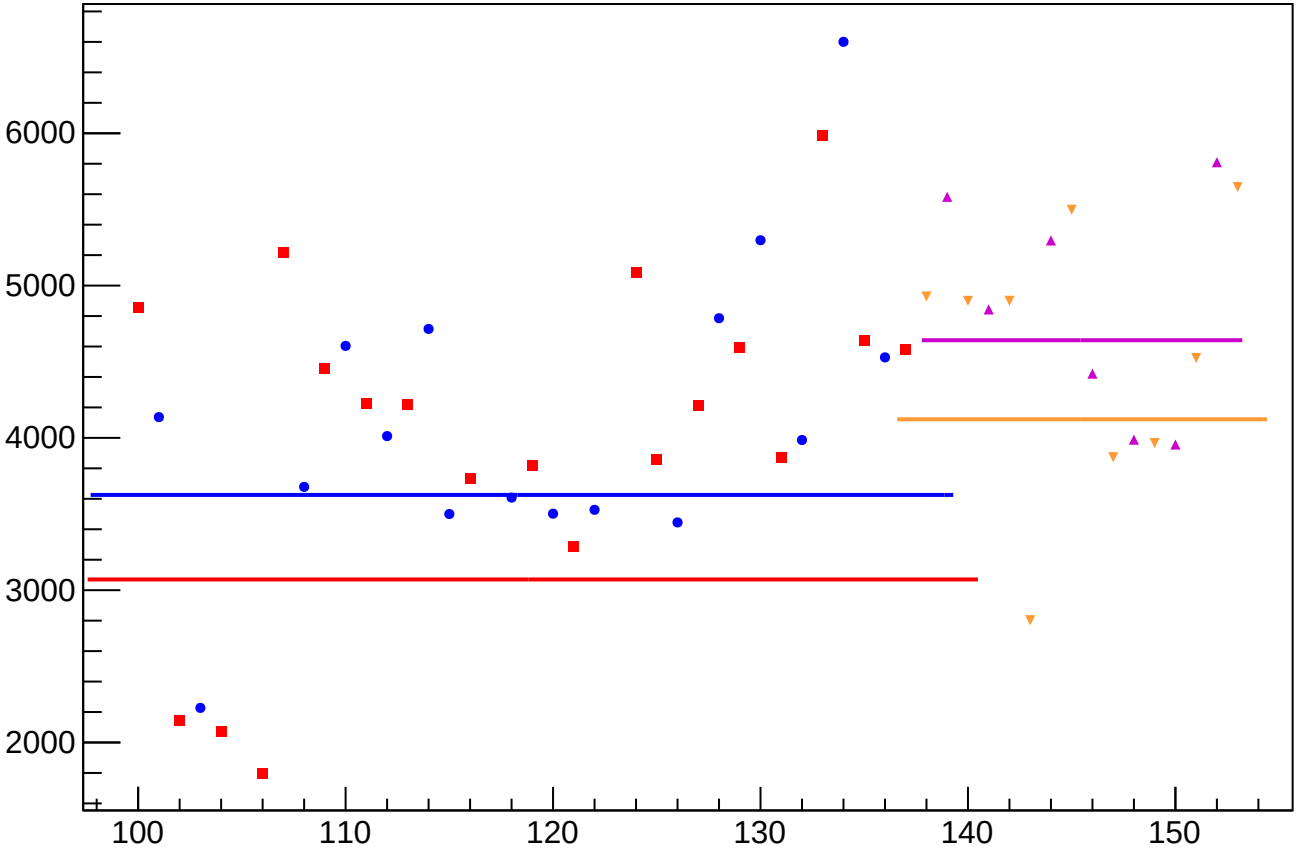
Right: -215.528+/-913.428 χ^2/NDF: 31.4/34

In: -266.946+/-1129.193 χ^2/NDF:17.6/22

Out: 504.165+/-962.167 χ^2/NDF:27.1/27

All: 179.804+/-732.359 χ^2/NDF: 45.0/50

asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 4122.088+/-1.134 χ^2/NDF:708617.5/8

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

Left In: 4641.162+/-1.343 χ^2/NDF:250898.5/6

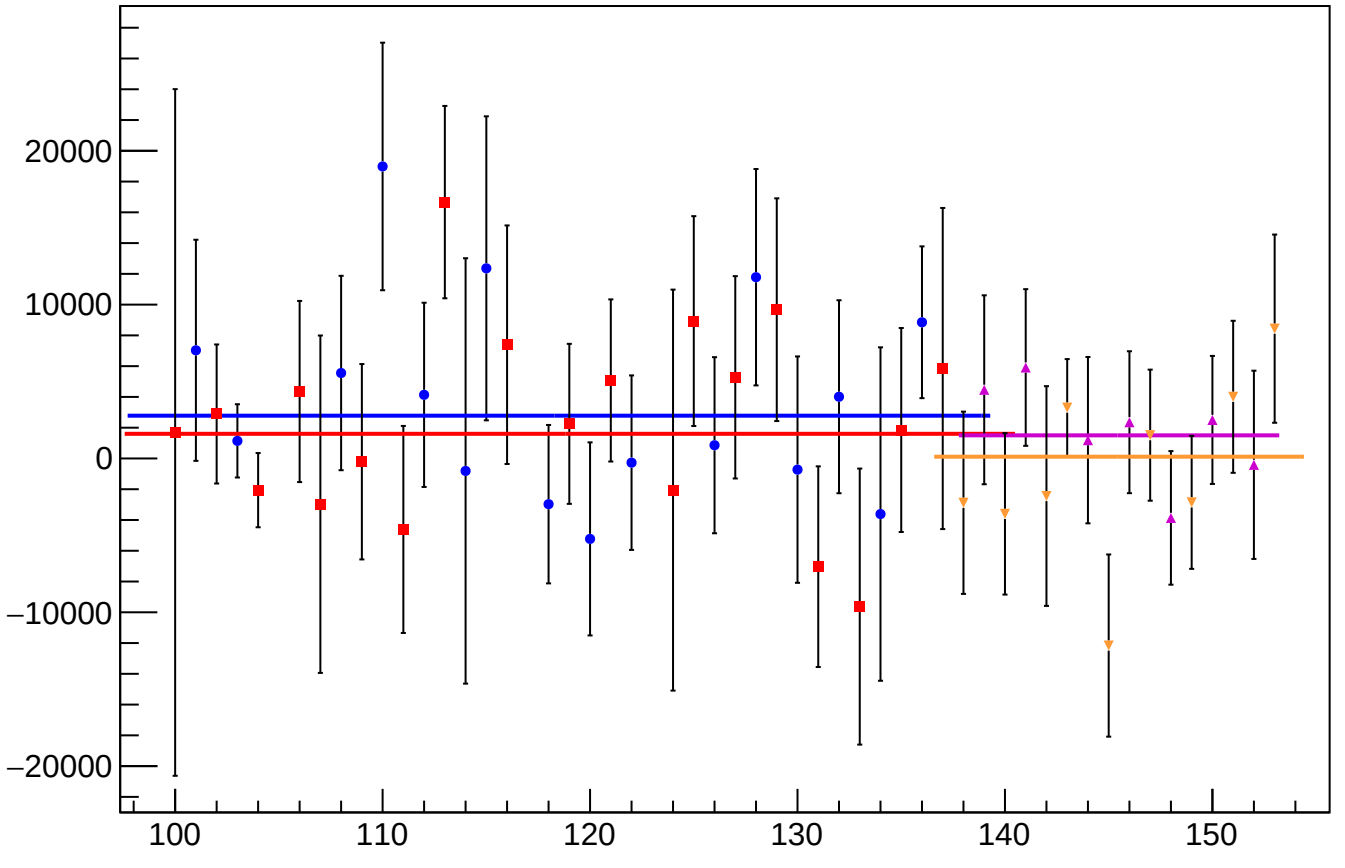
Left: 4338.236+/-0.867 χ^2/NDF: 1046720.3/15

Right: 3305.224+/-0.646 χ^2/NDF: 2963825.9/34

In: 3984.611+/-0.798 χ^2/NDF:1565623.9/22

Out: 3448.791+/-0.680 χ^2/NDF:3097628.9/27

All: 3674.179+/-0.518 χ^2/NDF: 4924156.2/50



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: 114.795+/-1601.879 χ^2/NDF:9.3/8

Right Out: 1602.626+/-1337.018 χ^2/NDF: 16.8/18

Left In: 1502.499+/-1877.178 χ^2/NDF:2.7/6

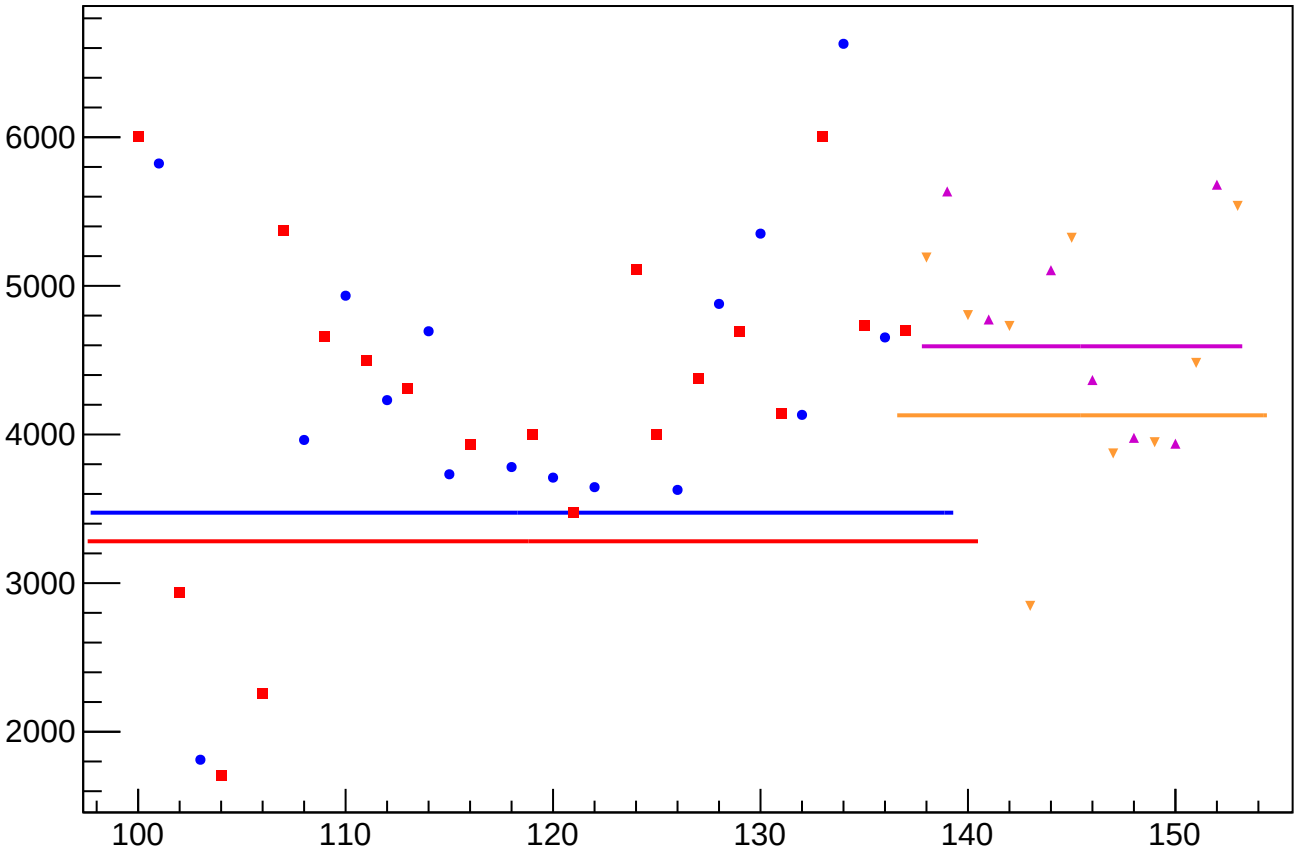
Left: 699.521+/-1218.522 χ^2/NDF: 12.3/15

Right: 2169.106+/-963.414 χ^2/NDF: 30.3/34

In: 2328.401+/-1116.796 χ^2/NDF:16.2/22

Out: 991.718+/-1026.458 χ^2/NDF:26.6/27

All: 1603.818+/-755.737 χ^2/NDF: 43.5/50



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 4129.002+/-1.133 χ^2/NDF:650090.0/8

Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

Left In: 4593.370+/-1.327 χ^2/NDF:235845.9/6

Left: 4324.669+/-0.862 χ^2/NDF: 956754.9/15

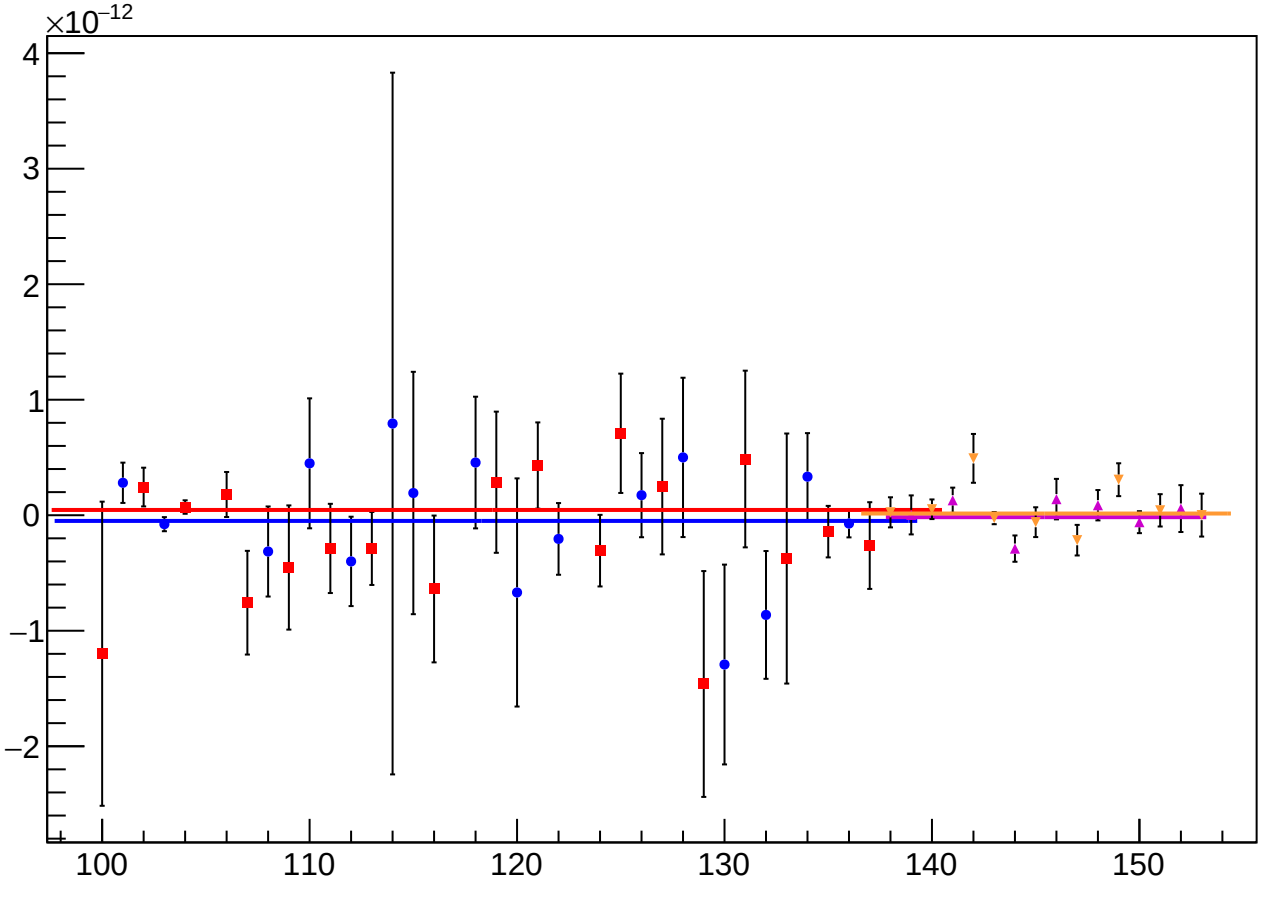
Right: 3372.669+/-0.676 χ^2/NDF: 3739637.8/34

In: 3870.127+/-0.790 χ^2/NDF:2539343.1/22

Out: 3623.844+/-0.720 χ^2/NDF:2859279.5/27

All: 3735.627+/-0.532 χ^2/NDF: 5451740.7/50

asym_atl_avg_atr_avg_avg_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:13.5/8

Right Out: 0.000+/-0.000 χ^2/NDF: 18.5/18

Left In: -0.000+/-0.000 χ^2/NDF:9.3/6

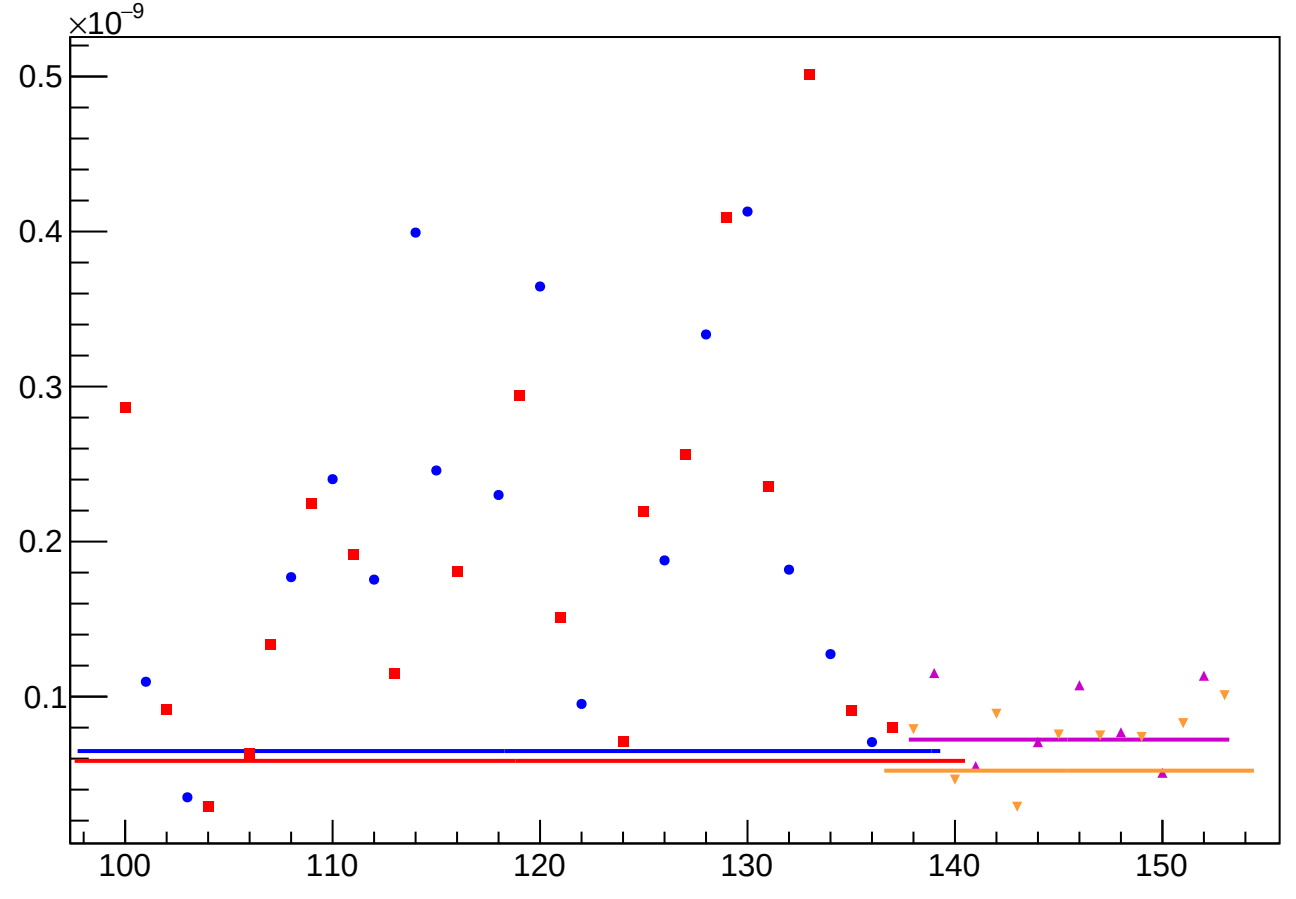
Left: 0.000+/-0.000 χ^2/NDF: 23.1/15

Right: -0.000+/-0.000 χ^2/NDF: 34.2/34

In: -0.000+/-0.000 χ^2/NDF:23.2/22

Out: 0.000+/-0.000 χ^2/NDF:32.3/27

All: 0.000+/-0.000 χ^2/NDF: 57.3/50



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:945200.3/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:445101.0/6

Left: 0.000+/-0.000 χ^2/NDF: 1613698.8/15

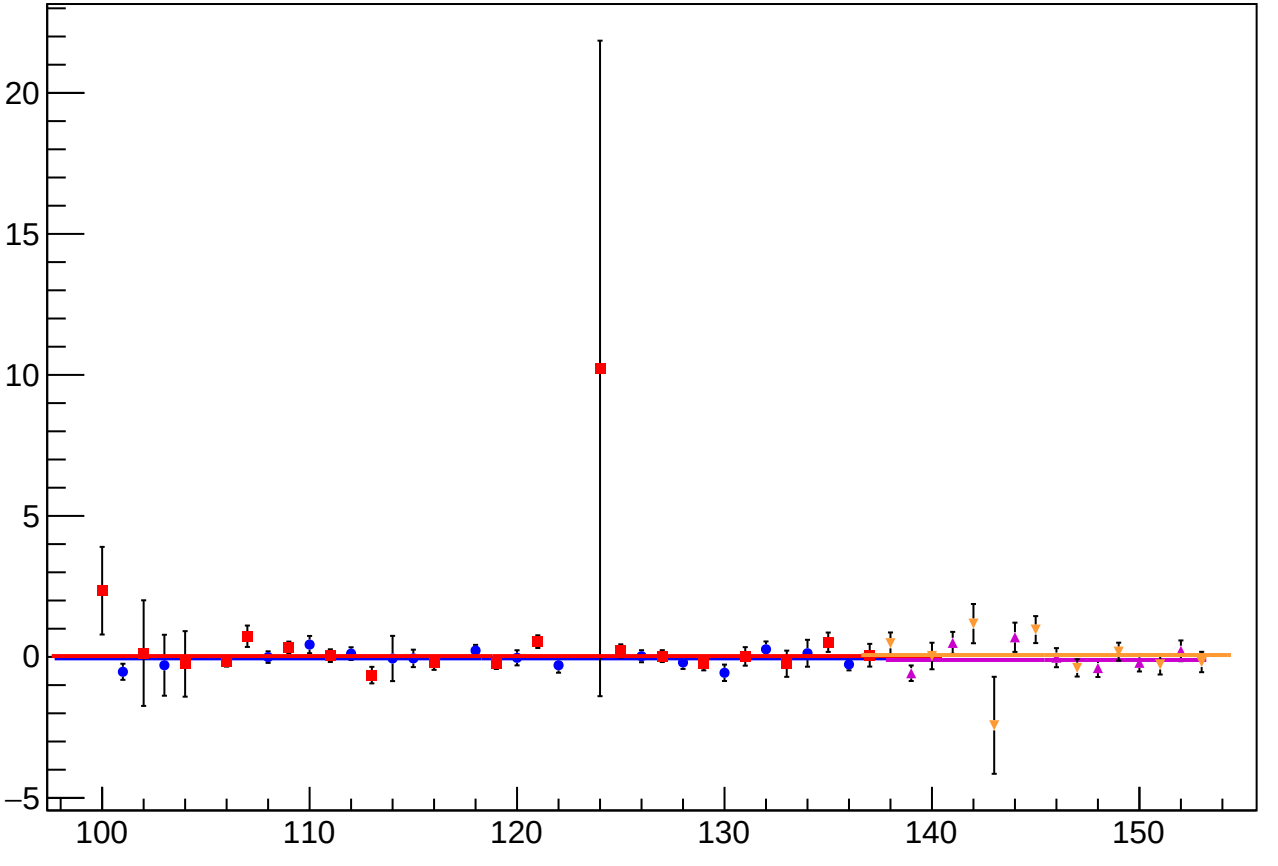
Right: 0.000+/-0.000 χ^2/NDF: 5465312.1/34

In: 0.000+/-0.000 χ^2/NDF:3061044.8/22

Out: 0.000+/-0.000 χ^2/NDF:3823282.2/27

All: 0.000+/-0.000 χ^2/NDF: 7086161.4/50

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: 0.067+/-0.136 χ^2/NDF:13.1/8

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.109+/-0.129 χ^2/NDF:9.5/6

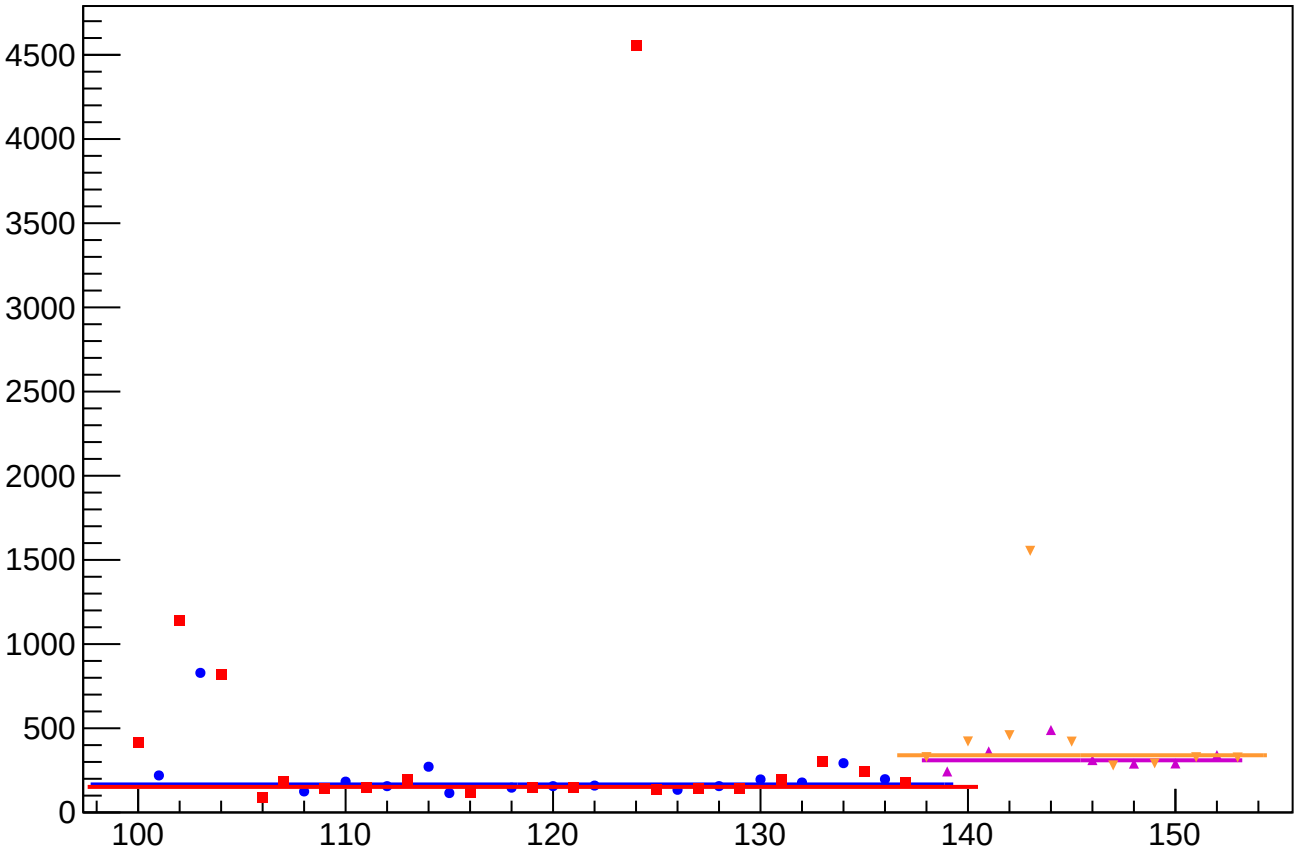
Left: -0.026+/-0.094 χ^2/NDF: 23.4/15

Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.063+/-0.059 χ^2/NDF:24.5/22

Out: 0.036+/-0.058 χ^2/NDF:40.7/27

All: -0.013+/-0.041 χ^2/NDF: 66.6/50



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 339.742+/-0.096 χ^2/NDF:1302077.8/8

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 309.748+/-0.091 χ^2/NDF:421098.9/6

Left: 323.938+/-0.066 χ^2/NDF: 1774250.3/15

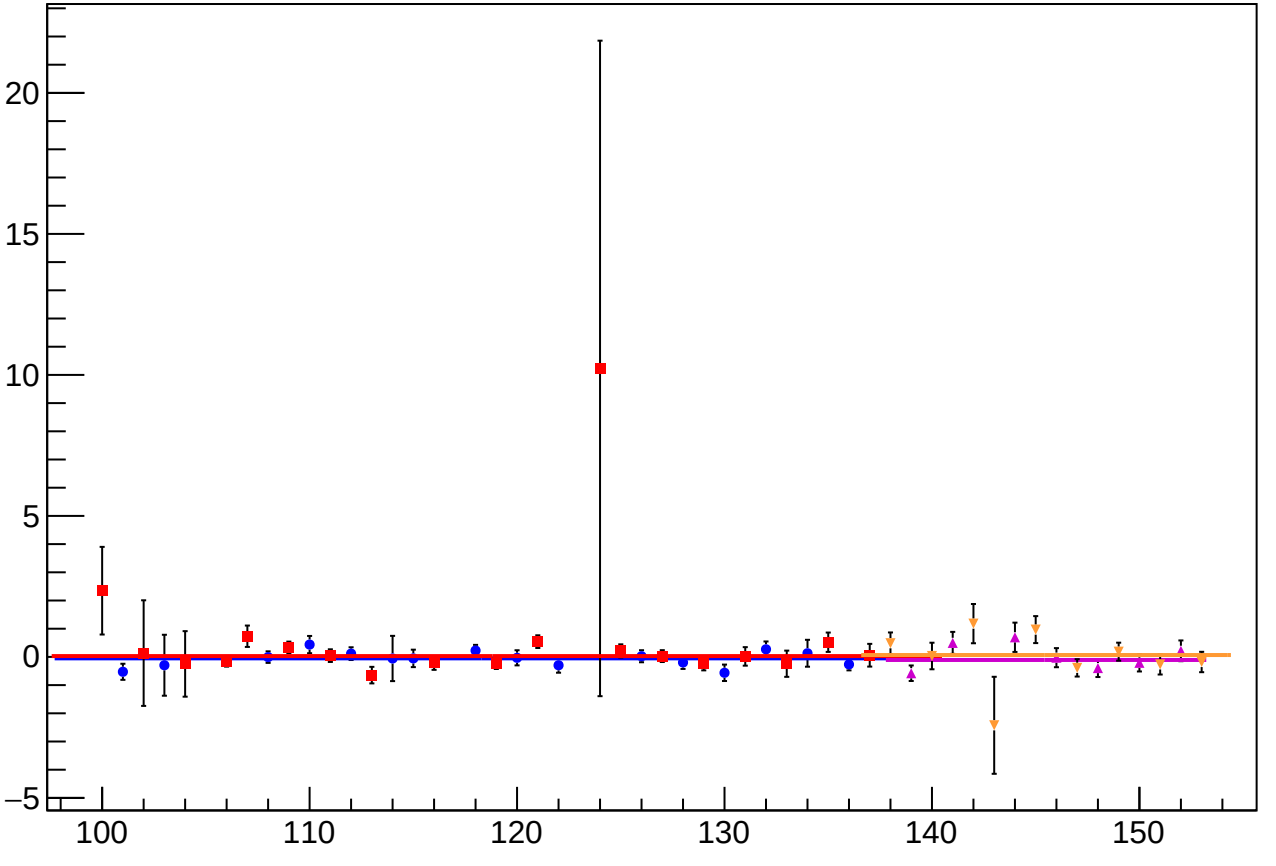
Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 196.591+/-0.042 χ^2/NDF:3650882.0/22

Out: 185.786+/-0.041 χ^2/NDF:6735310.7/27

All: 191.065+/-0.029 χ^2/NDF: 10420174.8/50

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: 0.067+/-0.136 χ^2/NDF:13.1/8

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.109+/-0.129 χ^2/NDF:9.5/6

Left: -0.026+/-0.094 χ^2/NDF: 23.4/15

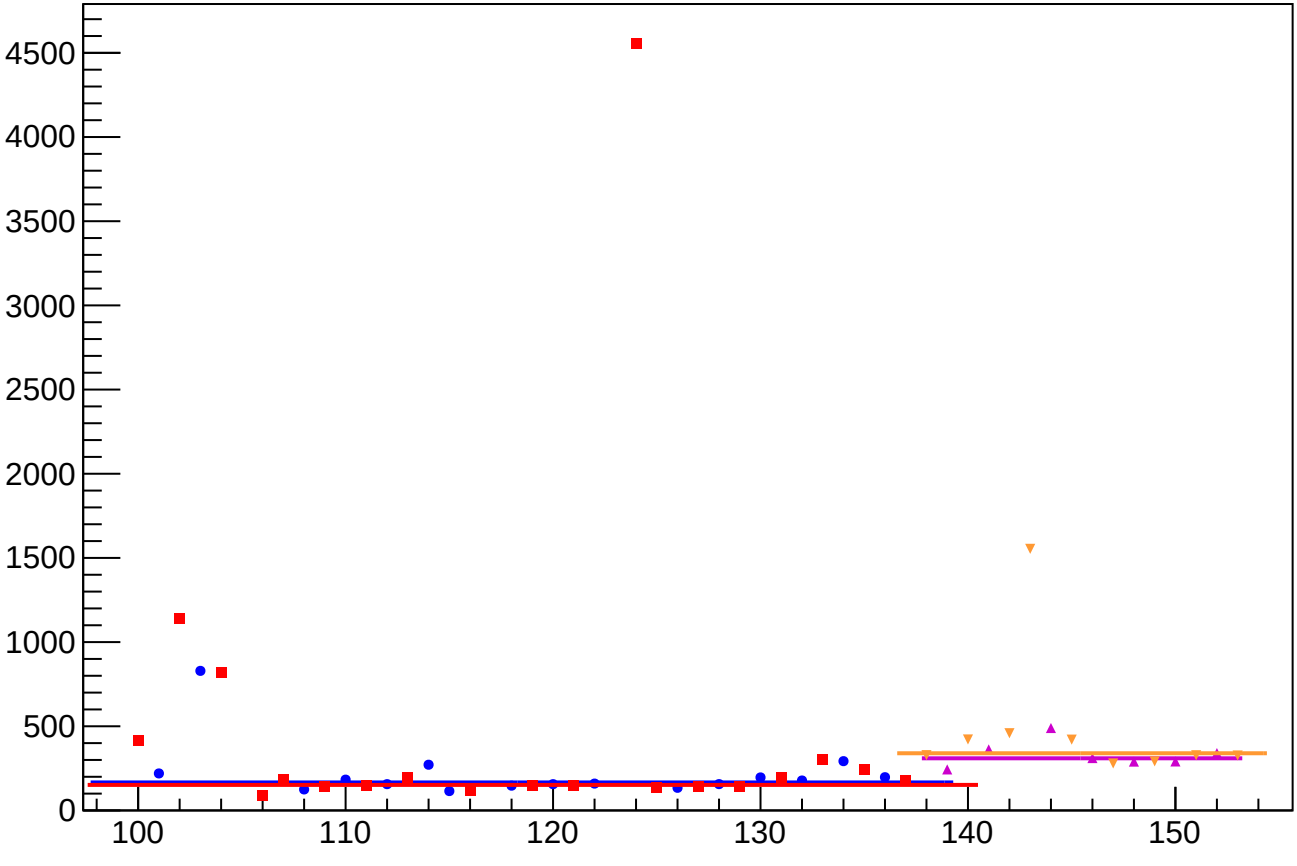
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.063+/-0.059 χ^2/NDF:24.5/22

Out: 0.036+/-0.058 χ^2/NDF:40.7/27

All: -0.013+/-0.041 χ^2/NDF: 66.6/50

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: 339.742+/-0.096 χ^2/NDF:1302077.8/8

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 309.748+/-0.091 χ^2/NDF:421098.9/6

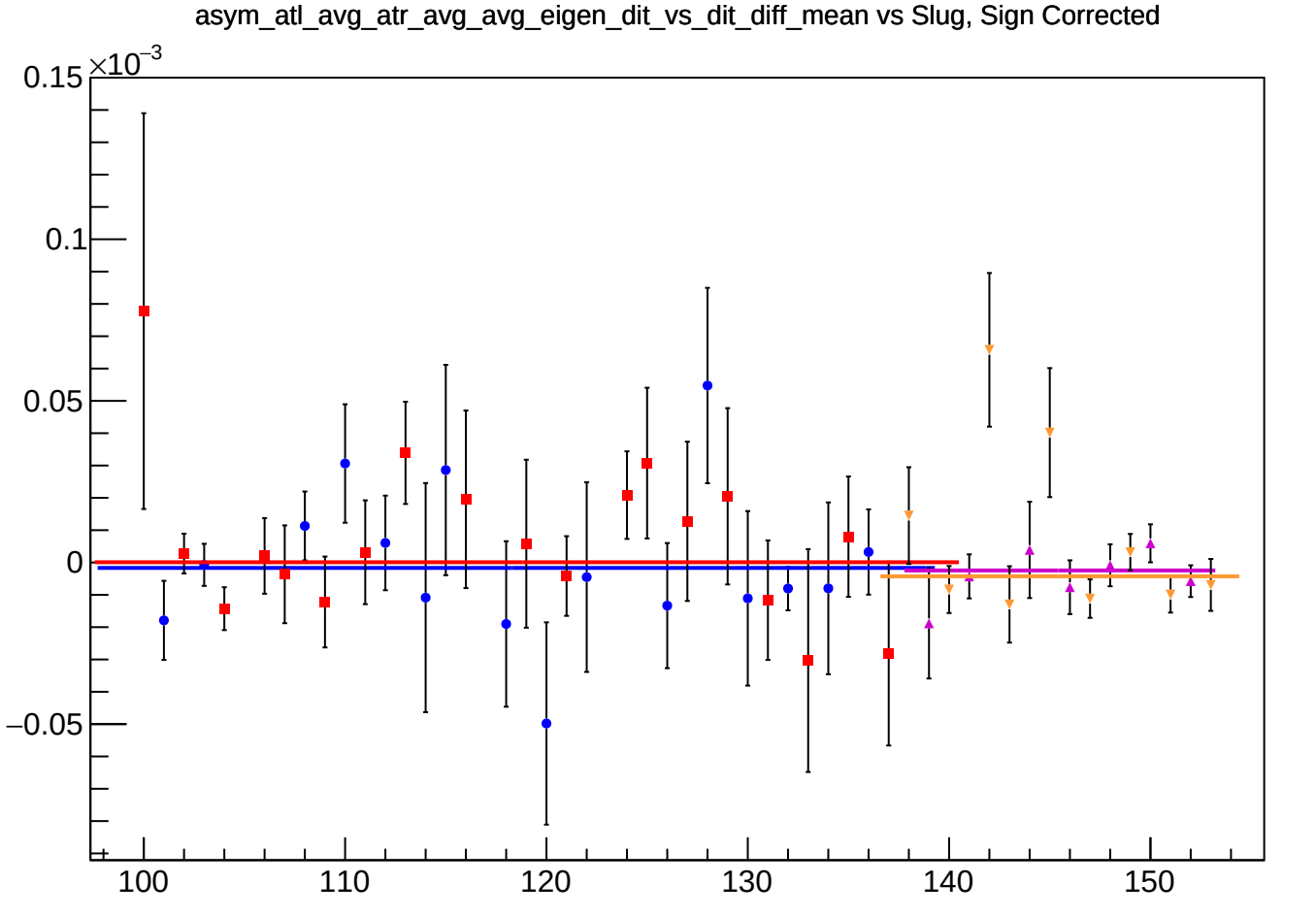
Left: 323.938+/-0.066 χ^2/NDF: 1774250.3/15

Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 196.591+/-0.042 χ^2/NDF:3650882.0/22

Out: 185.786+/-0.041 χ^2/NDF:6735310.7/27

All: 191.065+/-0.029 χ^2/NDF: 10420174.8/50



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.3/8

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: -0.000+/-0.000 χ^2/NDF:4.1/6

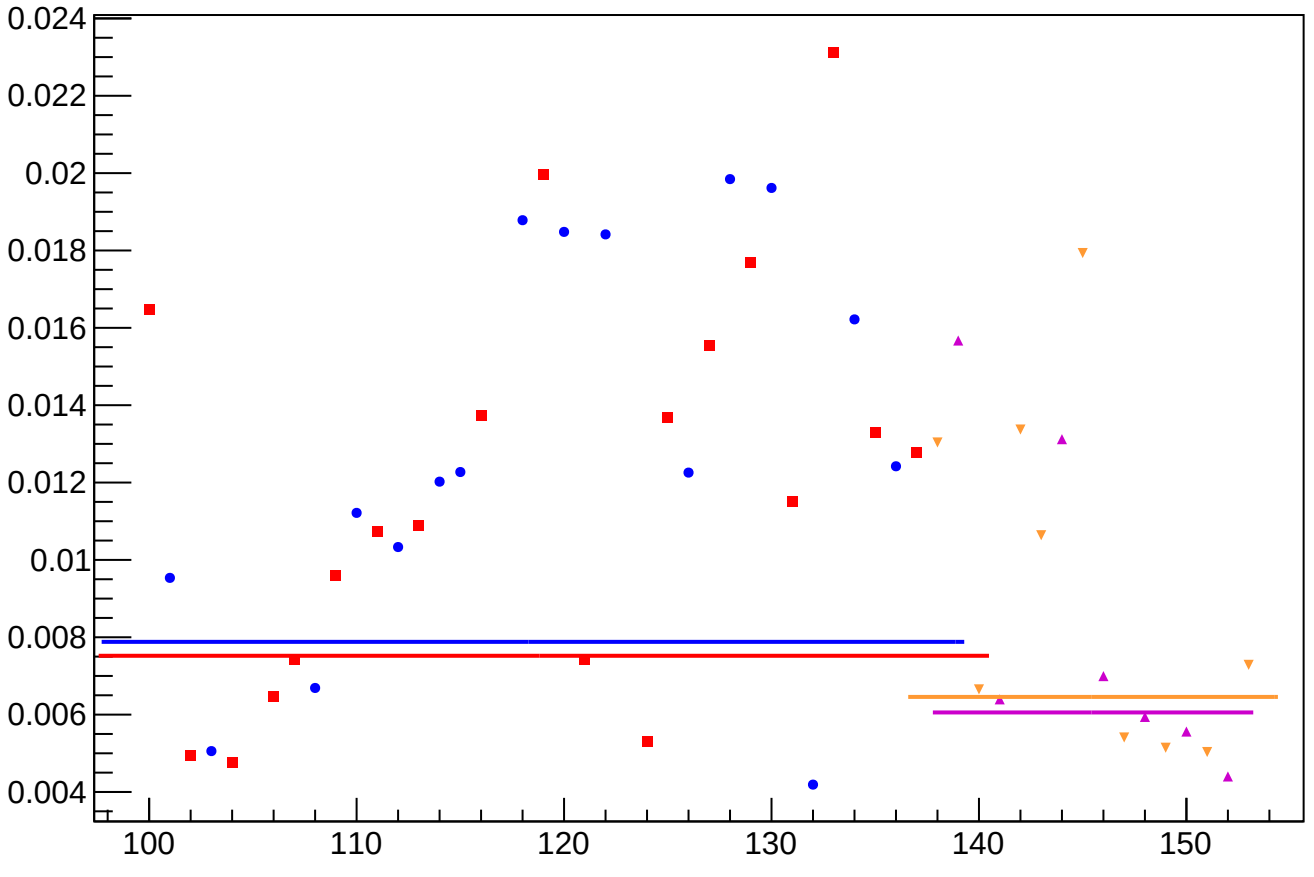
Left: -0.000+/-0.000 χ^2/NDF: 24.7/15

Right: -0.000+/-0.000 χ^2/NDF: 35.5/34

In: -0.000+/-0.000 χ^2/NDF:19.6/22

Out: -0.000+/-0.000 χ^2/NDF:41.4/27

All: -0.000+/-0.000 χ^2/NDF: 61.0/50



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.006+/-0.000 χ^2/NDF:1791795.8/8

Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.006+/-0.000 χ^2/NDF:1358826.3/6

Left: 0.006+/-0.000 χ^2/NDF: 3173229.4/15

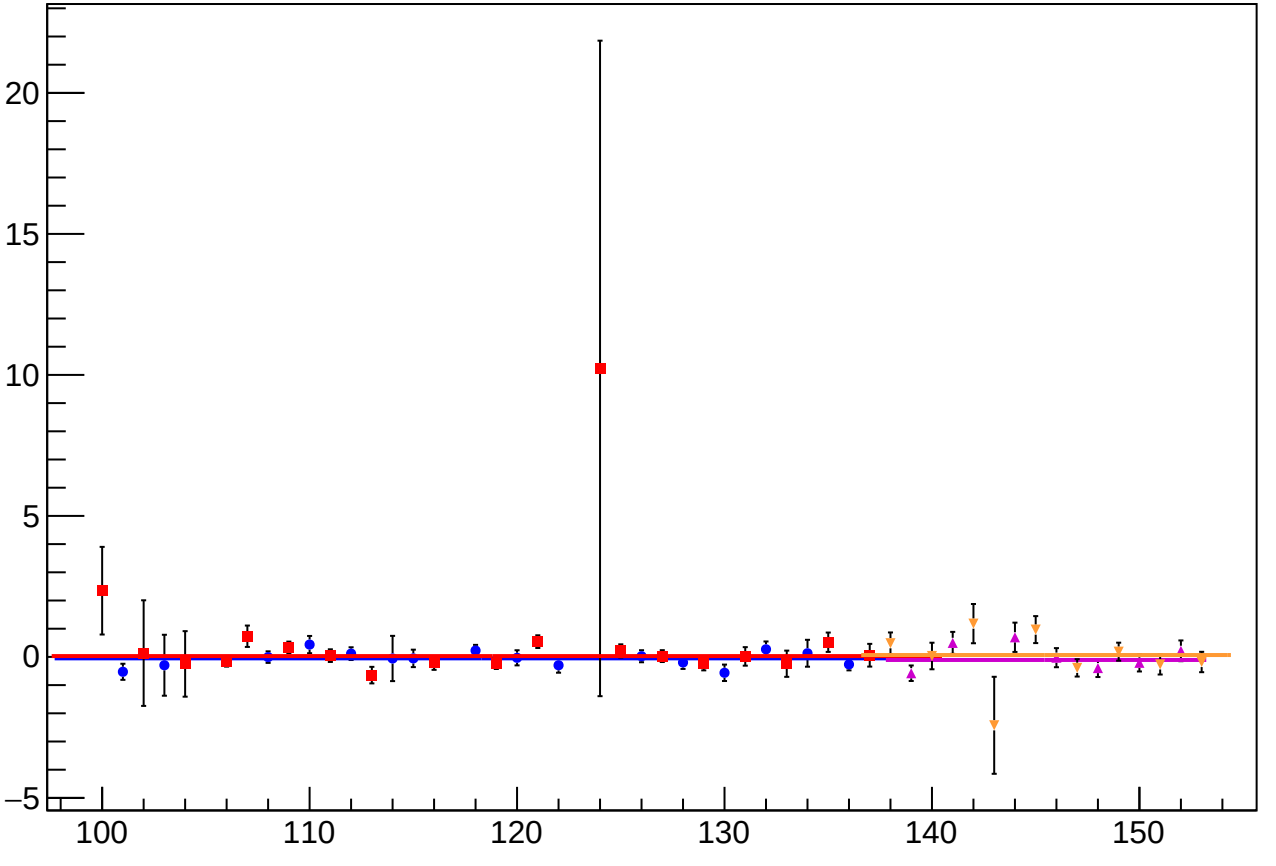
Right: 0.008+/-0.000 χ^2/NDF: 6289175.2/34

In: 0.007+/-0.000 χ^2/NDF:5014871.4/22

Out: 0.007+/-0.000 χ^2/NDF:4901289.5/27

All: 0.007+/-0.000 χ^2/NDF: 9920875.9/50

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: 0.067+/-0.136 χ^2/NDF:13.1/8

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.109+/-0.129 χ^2/NDF:9.5/6

Left: -0.026+/-0.094 χ^2/NDF: 23.4/15

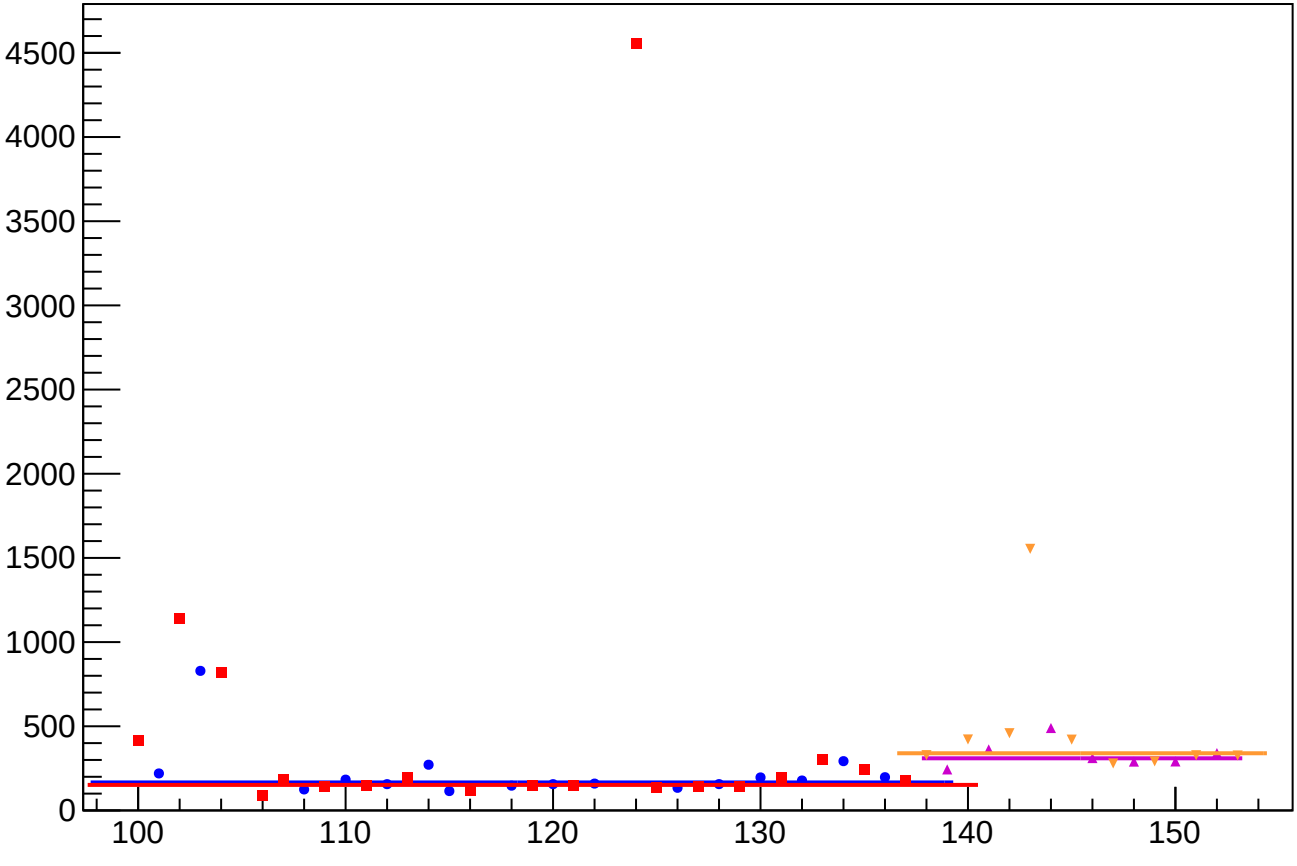
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.063+/-0.059 χ^2/NDF:24.5/22

Out: 0.036+/-0.058 χ^2/NDF:40.7/27

All: -0.013+/-0.041 χ^2/NDF: 66.6/50

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: 339.746+/-0.096 χ^2/NDF:1302075.1/8

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 309.752+/-0.091 χ^2/NDF:421084.0/6

Left: 323.942+/-0.066 χ^2/NDF: 1774229.0/15

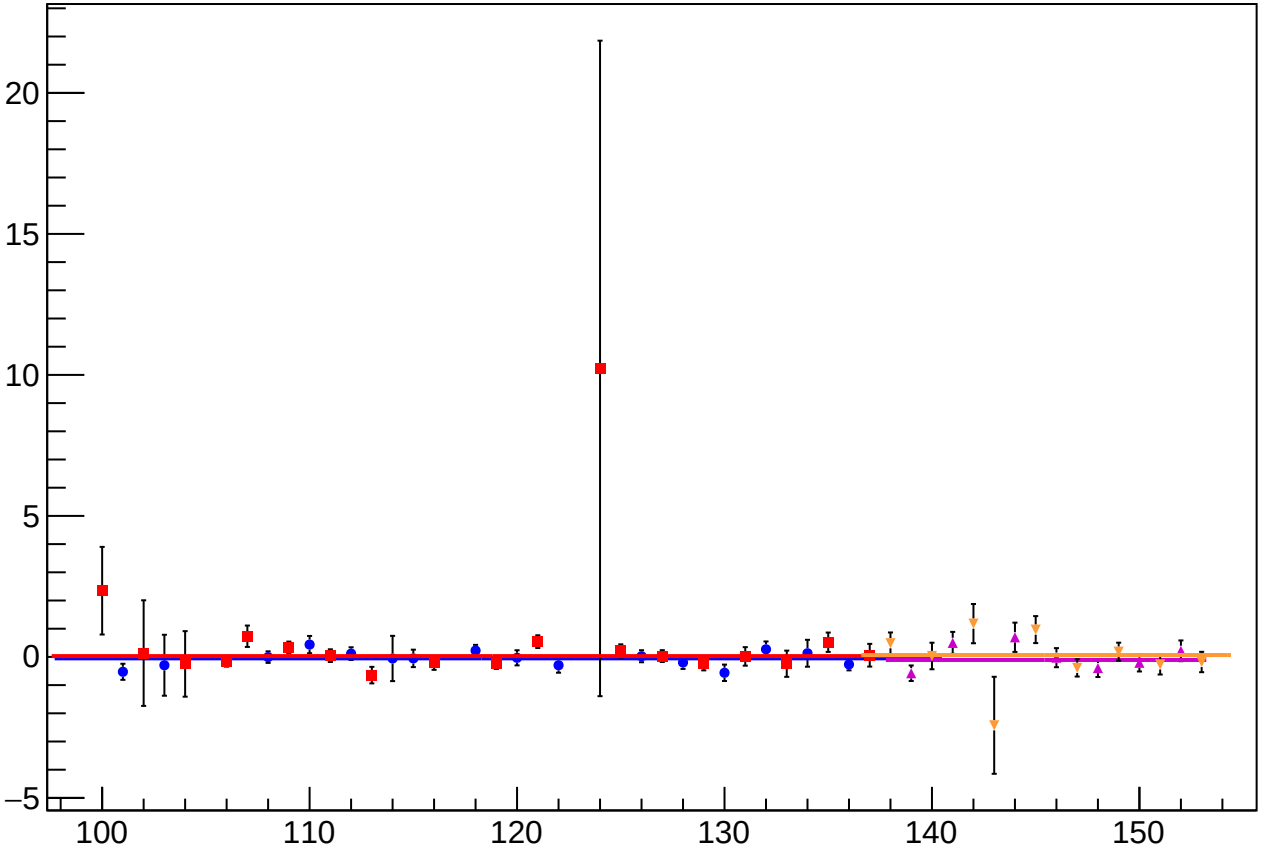
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 196.590+/-0.042 χ^2/NDF:3650962.7/22

Out: 185.784+/-0.041 χ^2/NDF:6735430.1/27

All: 191.064+/-0.029 χ^2/NDF: 10420380.9/50

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: 0.067+/-0.136 χ^2/NDF:13.1/8

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.109+/-0.129 χ^2/NDF:9.5/6

Left: -0.026+/-0.094 χ^2/NDF: 23.4/15

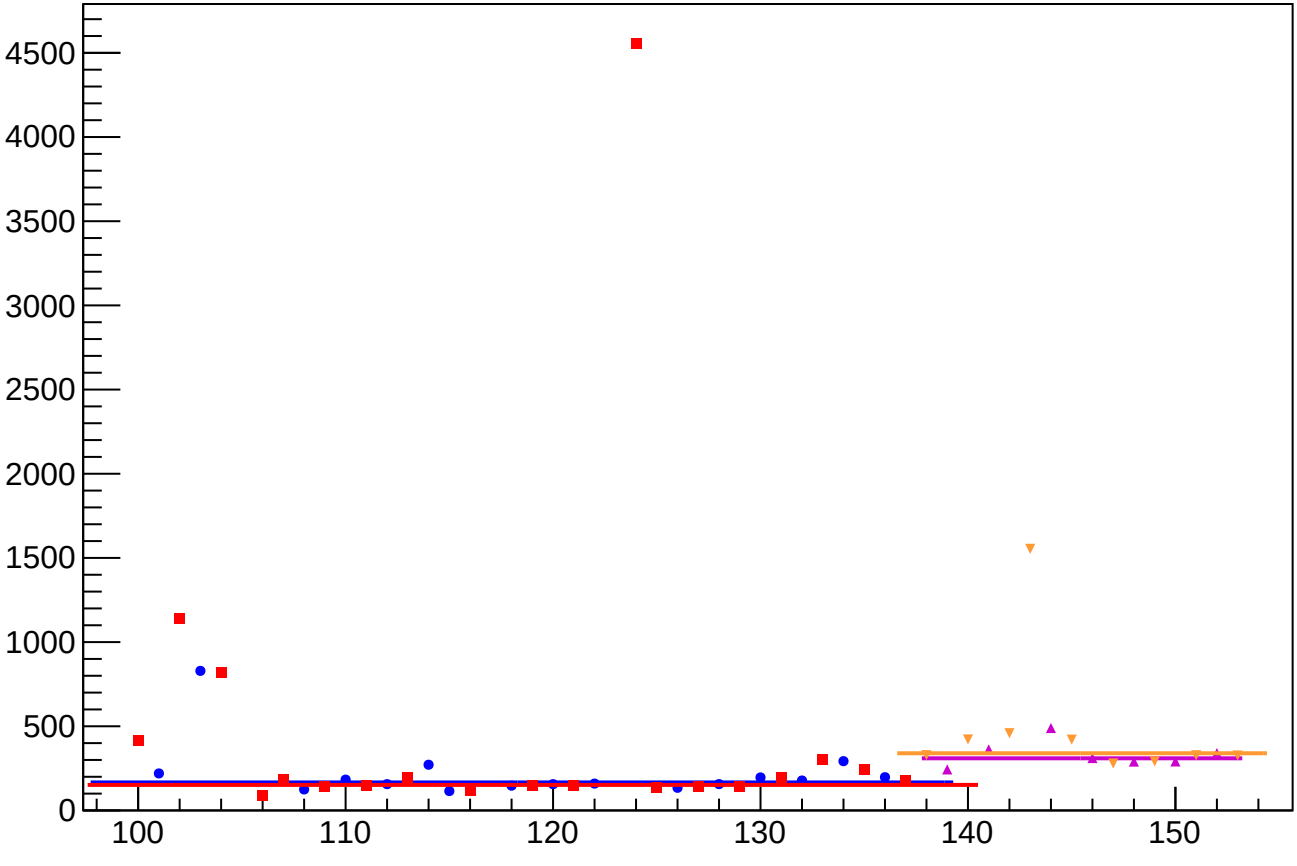
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.063+/-0.059 χ^2/NDF:24.5/22

Out: 0.036+/-0.058 χ^2/NDF:40.7/27

All: -0.013+/-0.041 χ^2/NDF: 66.6/50

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: 339.746+/-0.096 χ^2/NDF:1302075.1/8

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 309.752+/-0.091 χ^2/NDF:421084.0/6

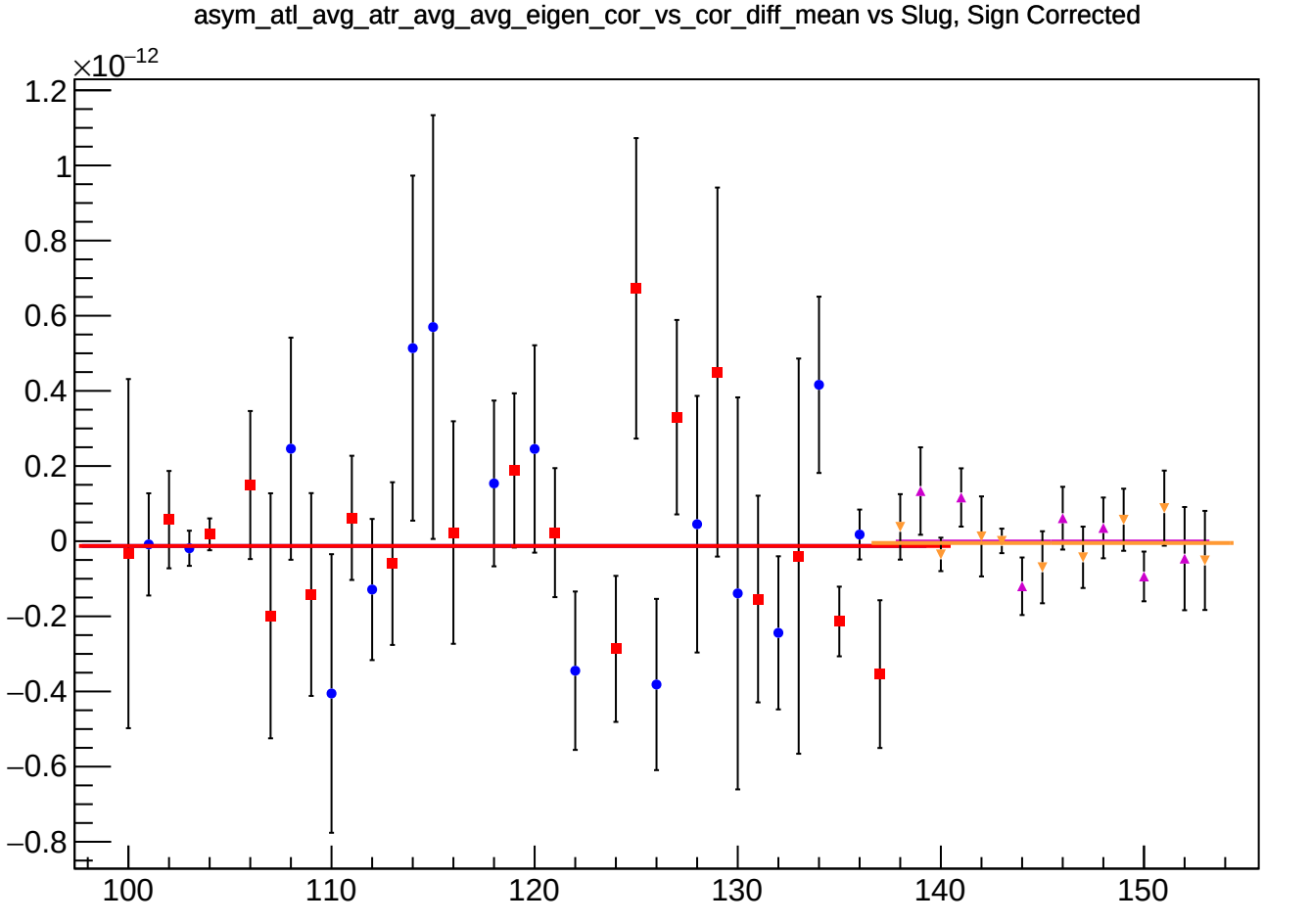
Left: 323.942+/-0.066 χ^2/NDF: 1774229.0/15

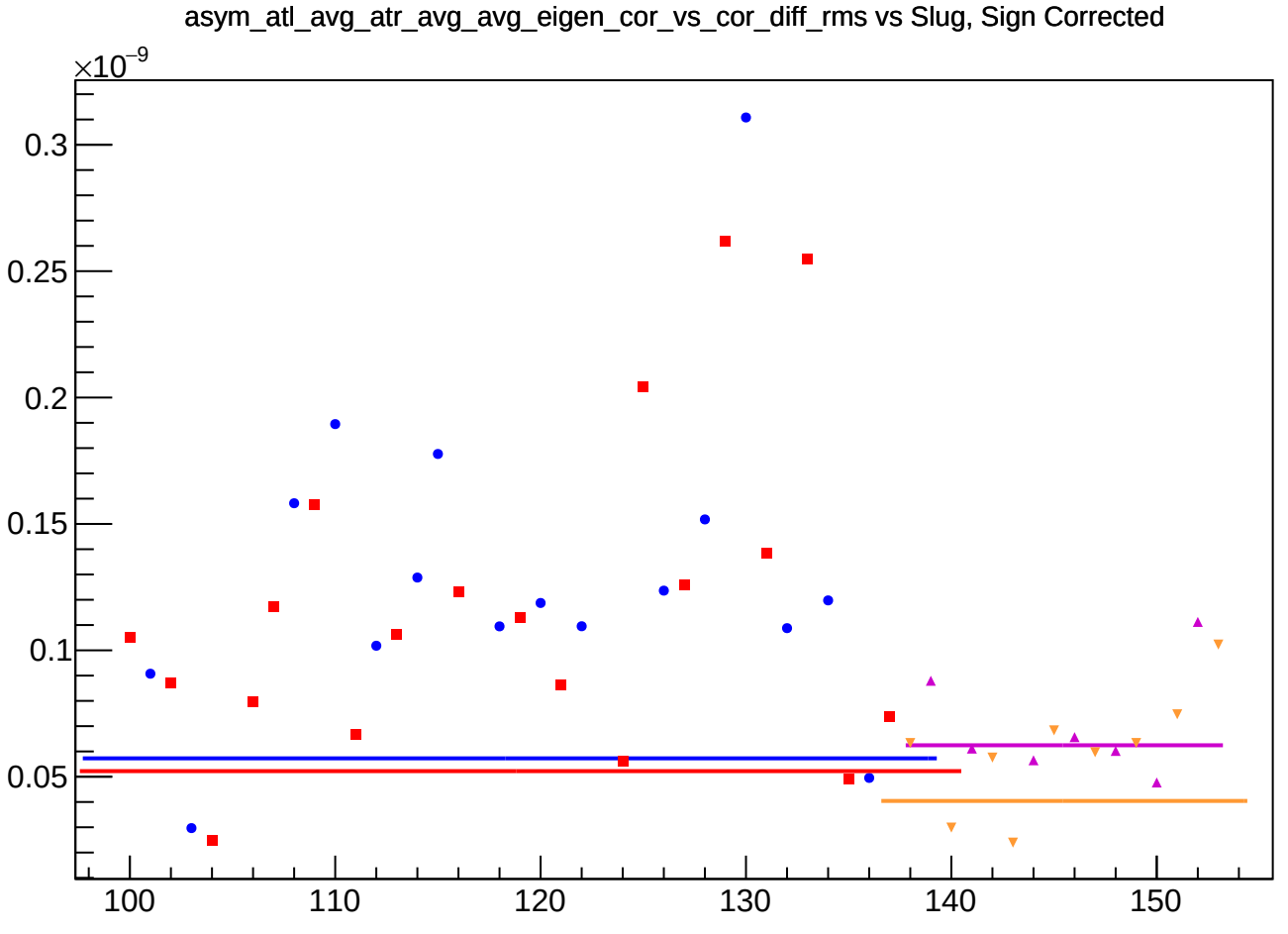
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 196.590+/-0.042 χ^2/NDF:3650962.7/22

Out: 185.784+/-0.041 χ^2/NDF:6735430.1/27

All: 191.064+/-0.029 χ^2/NDF: 10420380.9/50


asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 16.1/15
Left Out: -0.000+/-0.000 χ²/NDF:3.0/8
Right Out: -0.000+/-0.000 χ²/NDF: 18.9/18
Left In: -0.000+/-0.000 χ²/NDF:8.9/6
Left: -0.000+/-0.000 χ²/NDF: 11.9/15
Right: -0.000+/-0.000 χ²/NDF: 35.0/34
In: -0.000+/-0.000 χ²/NDF:25.1/22
Out: -0.000+/-0.000 χ²/NDF:21.9/27
All: -0.000+/-0.000 χ²/NDF: 47.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1923552.1/8

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

Left In: 0.000+/-0.000 χ^2/NDF:464888.8/6

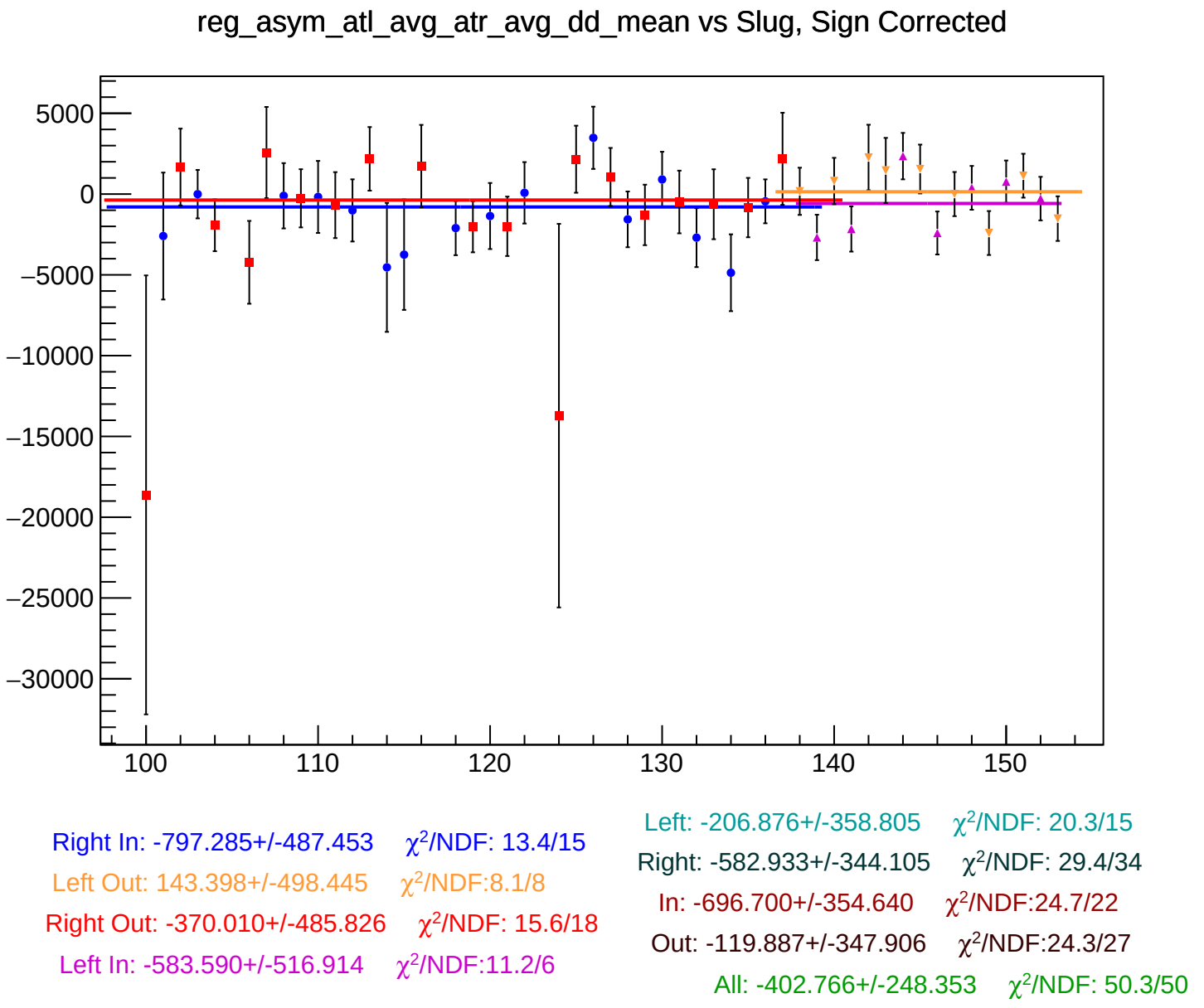
Left: 0.000+/-0.000 χ^2/NDF: 3052212.3/15

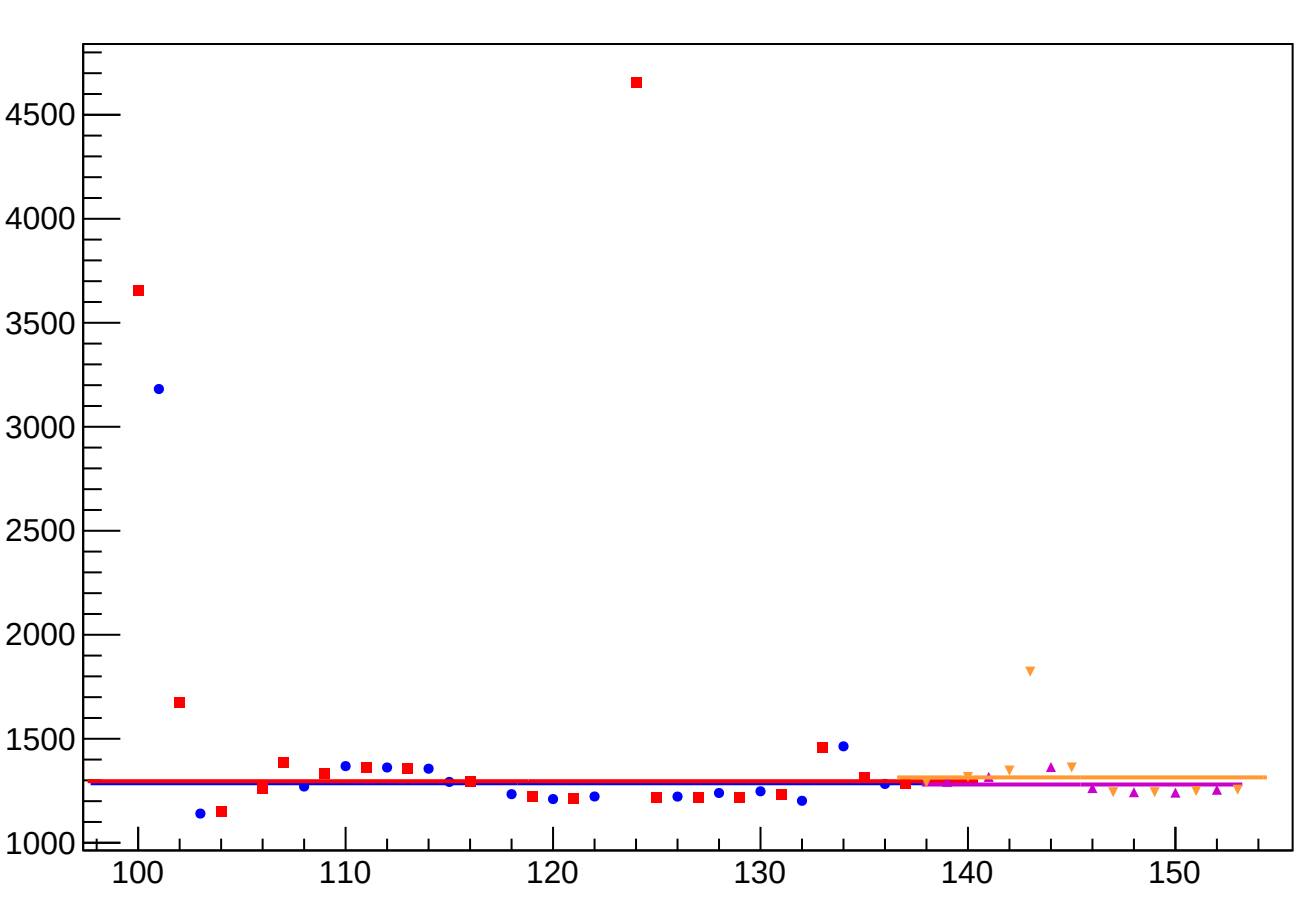
Right: 0.000+/-0.000 χ^2/NDF: 6295515.7/34

In: 0.000+/-0.000 χ^2/NDF:3473585.0/22

Out: 0.000+/-0.000 χ^2/NDF:5404267.0/27

All: 0.000+/-0.000 χ^2/NDF: 9481093.6/50


reg_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
Right In: -797.285+/-487.453 χ²/NDF: 13.4/15
Left Out: 143.398+/-498.445 χ²/NDF:8.1/8
Right Out: -370.010+/-485.826 χ²/NDF: 15.6/18
Left In: -583.590+/-516.914 χ²/NDF:11.2/6
Left: -206.876+/-358.805 χ²/NDF: 20.3/15
Right: -582.933+/-344.105 χ²/NDF: 29.4/34
In: -696.700+/-354.640 χ²/NDF:24.7/22
Out: -119.887+/-347.906 χ²/NDF:24.3/27
All: -402.766+/-248.353 χ²/NDF: 50.3/50



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1314.292+/-0.352 χ^2/NDF:149256.9/8

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1280.094+/-0.366 χ^2/NDF:12635.6/6

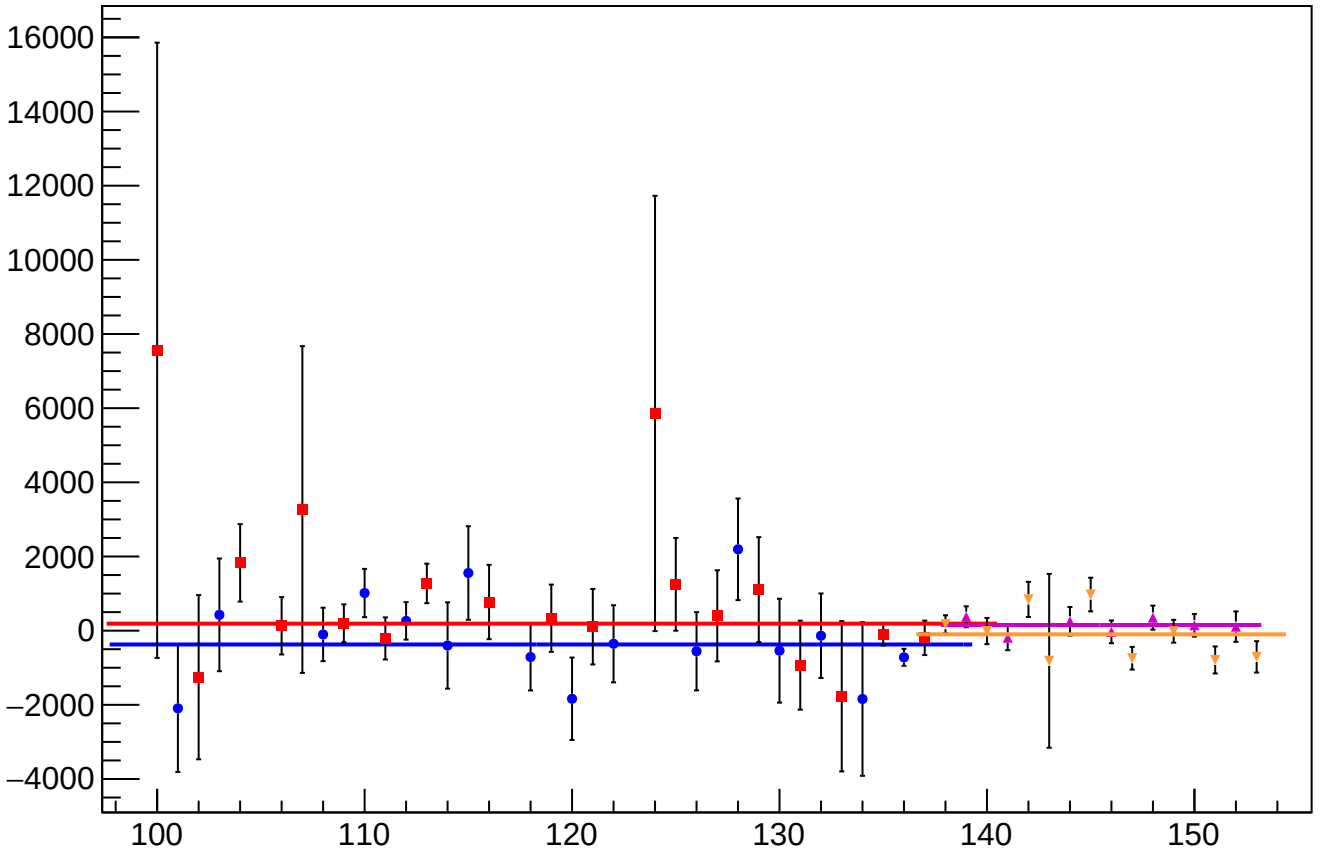
Left: 1297.815+/-0.254 χ^2/NDF: 166428.6/15

Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1283.271+/-0.251 χ^2/NDF:530905.3/22

Out: 1304.882+/-0.246 χ^2/NDF:478716.7/27

All: 1294.284+/-0.176 χ^2/NDF: 1013406.6/50



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -98.665+/-120.284 χ^2/NDF:21.2/8

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 152.828+/-123.979 χ^2/NDF:2.5/6

Left: 23.278+/-86.330 χ^2/NDF: 25.8/15

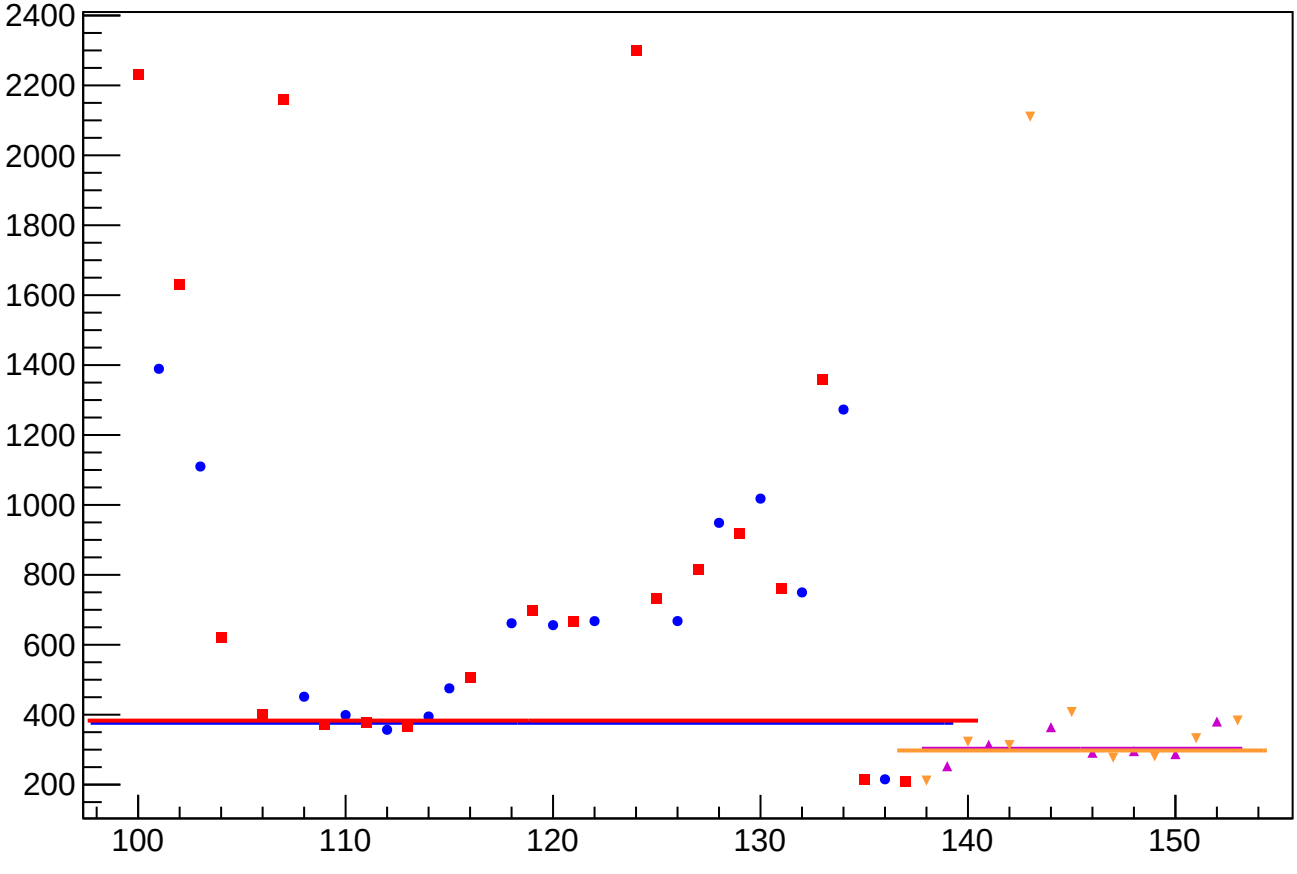
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: -32.042+/-99.799 χ^2/NDF:26.9/22

Out: -2.395+/-98.109 χ^2/NDF:37.8/27

All: -16.965+/-69.963 χ^2/NDF: 64.7/50

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: 297.652+/-0.085 χ^2/NDF:1695747.5/8

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 302.561+/-0.088 χ^2/NDF:196714.5/6

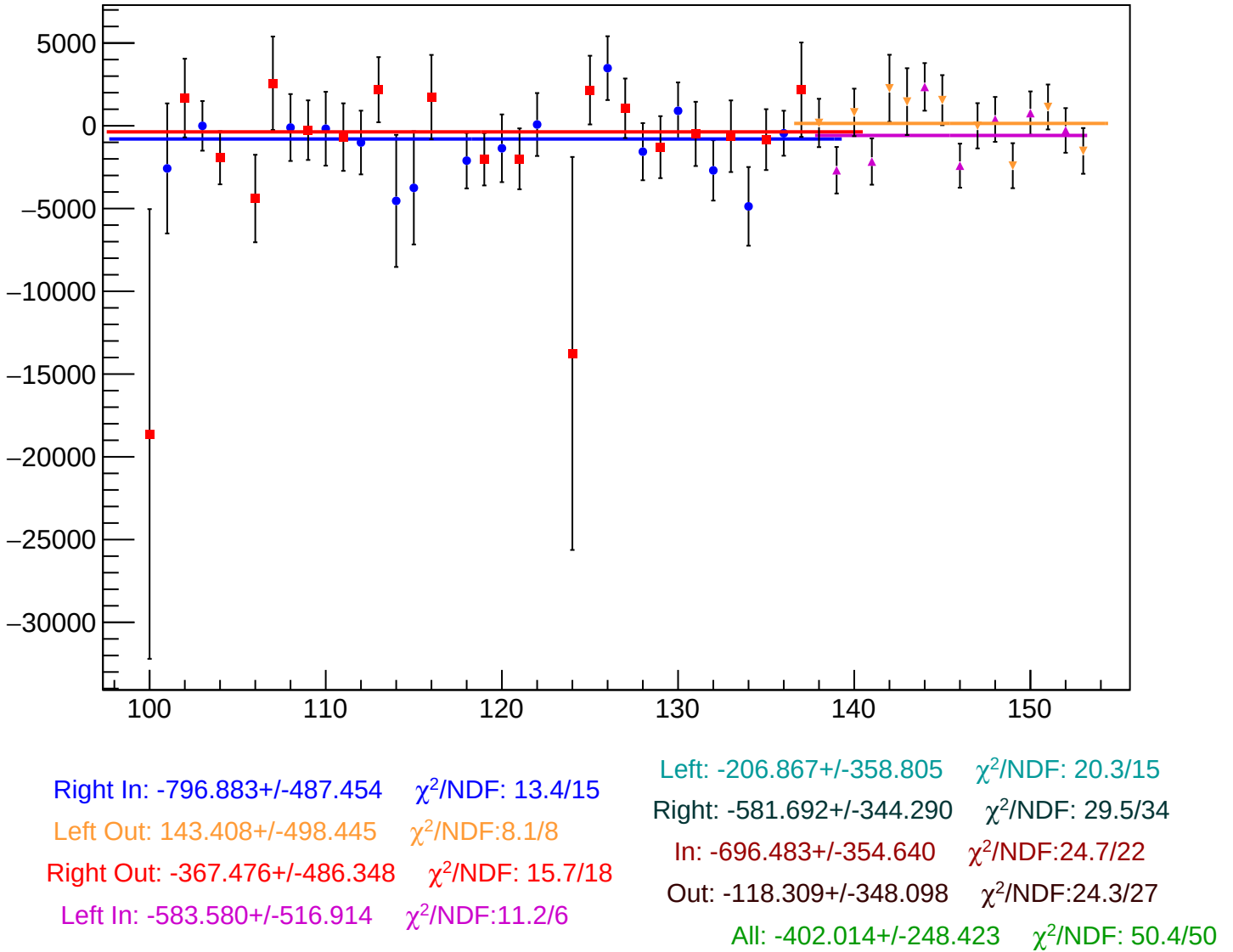
Left: 300.032+/-0.061 χ^2/NDF: 1894077.1/15

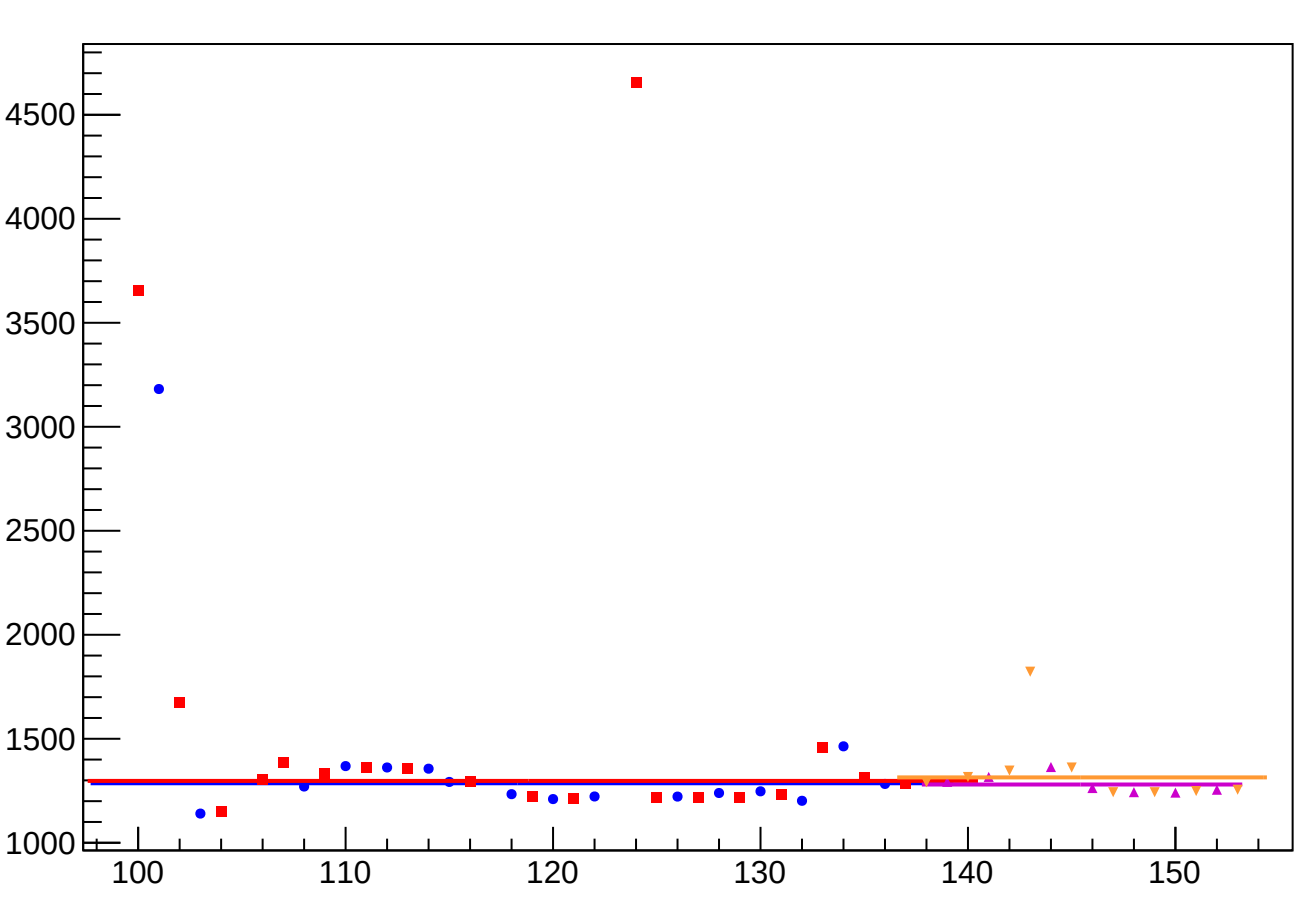
Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 328.728+/-0.071 χ^2/NDF:4639993.5/22

Out: 326.245+/-0.069 χ^2/NDF:6087501.3/27

All: 327.465+/-0.049 χ^2/NDF: 10728124.3/50


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
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: 143.408+/-498.445 χ²/NDF:8.1/8
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -583.580+/-516.914 χ²/NDF:11.2/6
Left: -206.867+/-358.805 χ²/NDF: 20.3/15
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -696.483+/-354.640 χ²/NDF:24.7/22
Out: -118.309+/-348.098 χ²/NDF:24.3/27
All: -402.014+/-248.423 χ²/NDF: 50.4/50



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1314.292+/-0.352 χ^2/NDF:149256.9/8

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1280.094+/-0.366 χ^2/NDF:12635.6/6

Left: 1297.815+/-0.254 χ^2/NDF: 166428.6/15

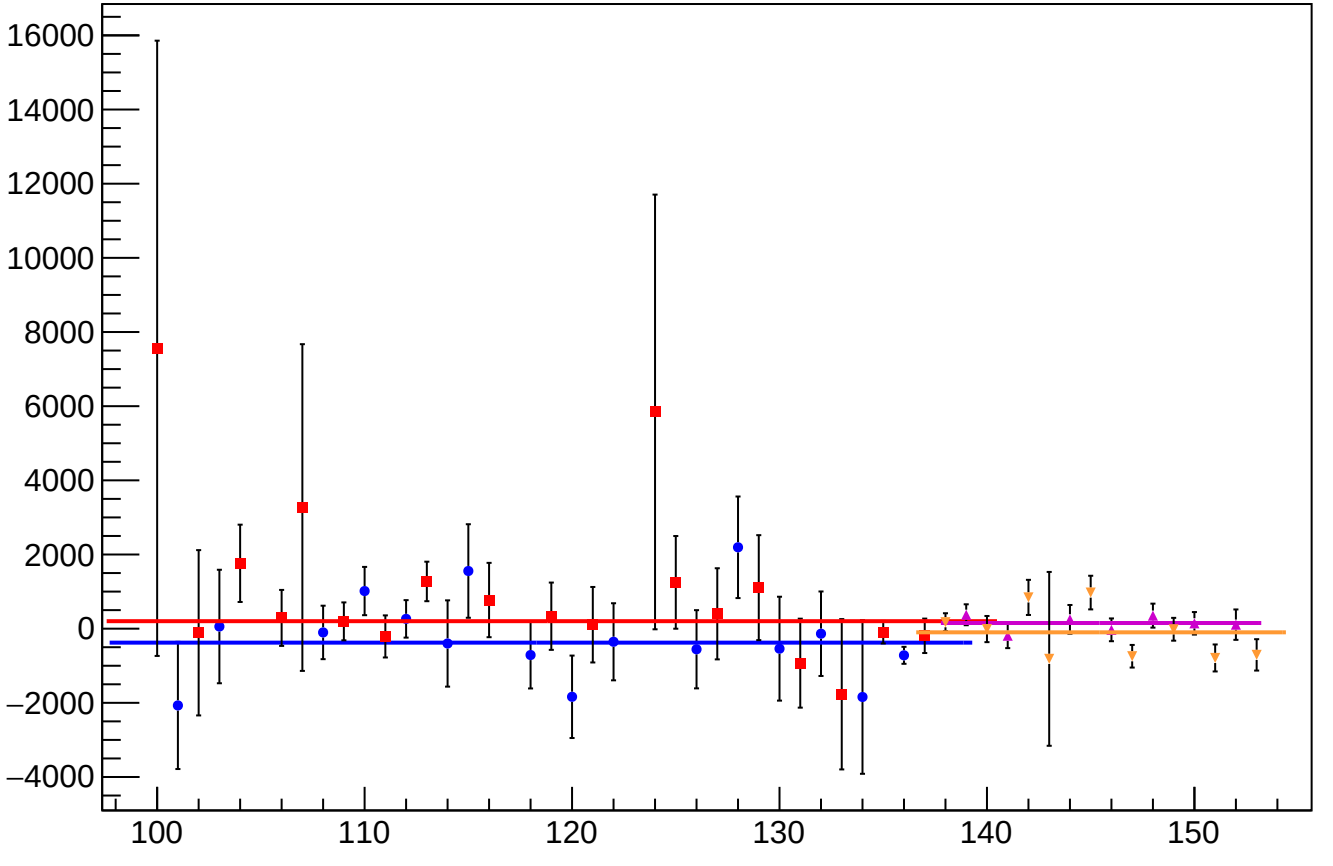
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1283.271+/-0.251 χ^2/NDF:530906.7/22

Out: 1305.635+/-0.246 χ^2/NDF:478176.1/27

All: 1294.661+/-0.176 χ^2/NDF: 1013133.6/50

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: -98.680+/-120.287 χ^2/NDF:21.2/8

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 152.851+/-123.978 χ^2/NDF:2.5/6

Left: 23.286+/-86.331 χ^2/NDF: 25.8/15

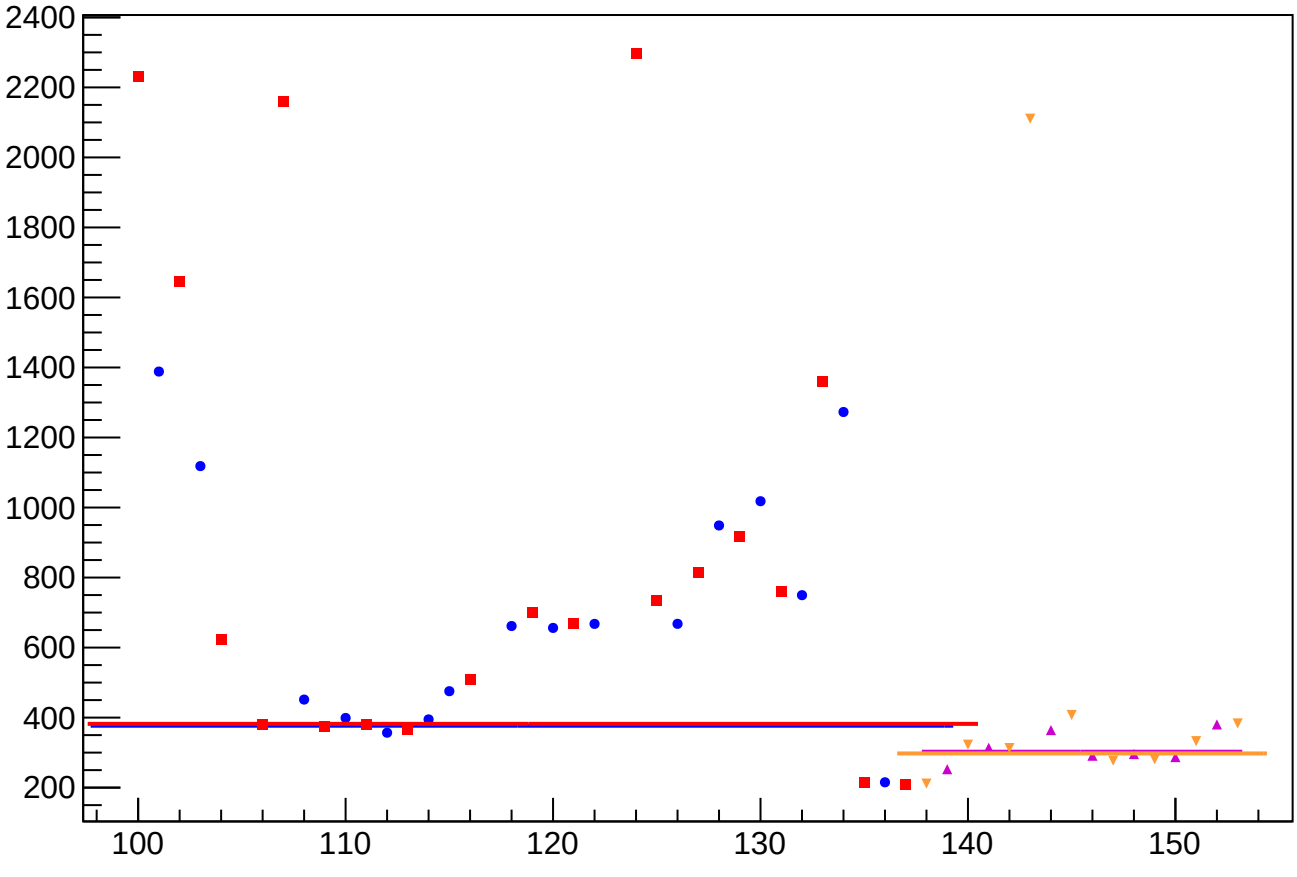
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -33.561+/-99.802 χ^2/NDF:26.8/22

Out: 2.174+/-98.072 χ^2/NDF:37.3/27

All: -15.381+/-69.951 χ^2/NDF: 64.2/50

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: 297.662+/-0.085 χ^2/NDF:1695722.7/8

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 302.558+/-0.088 χ^2/NDF:196709.3/6

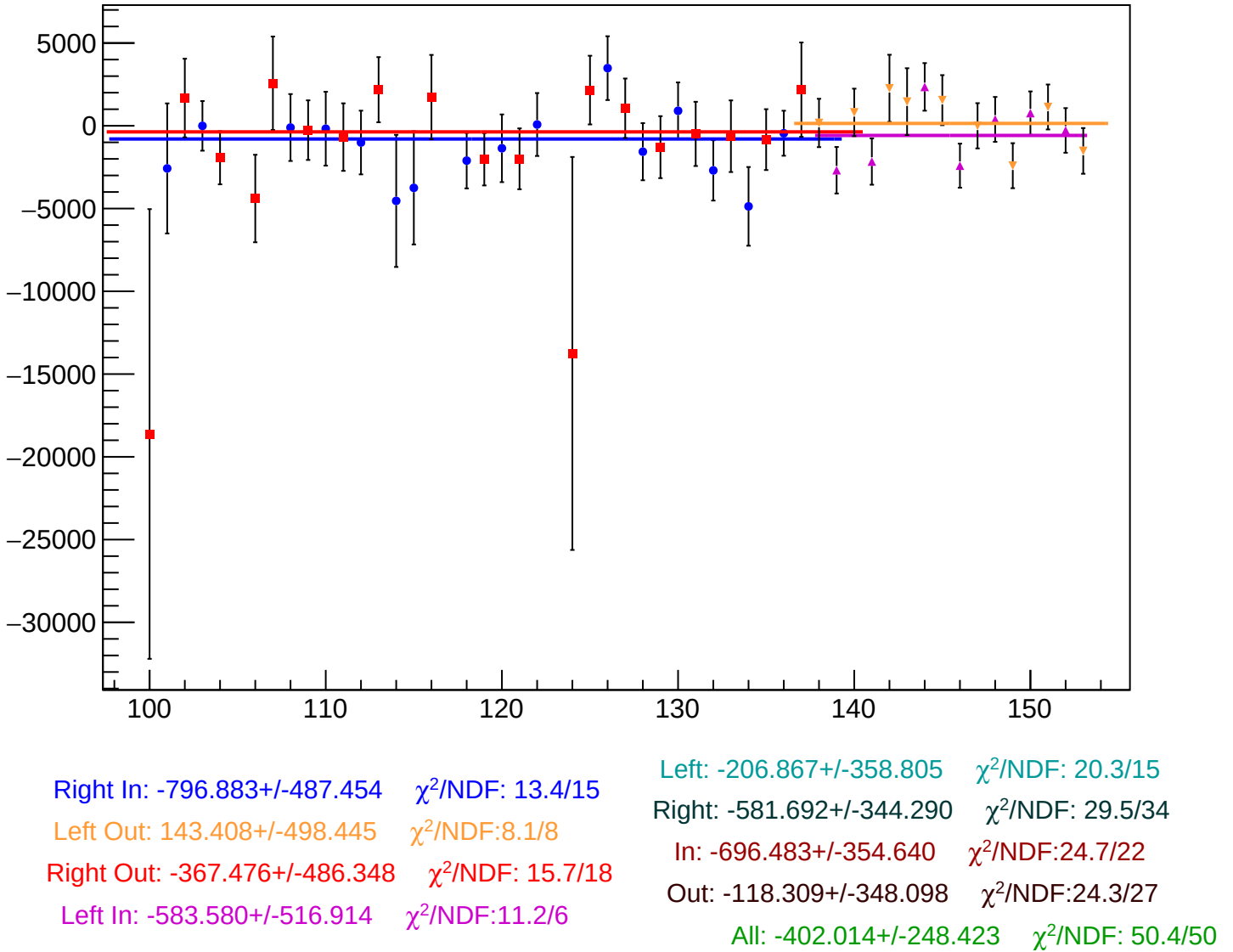
Left: 300.036+/-0.061 χ^2/NDF: 1894038.6/15

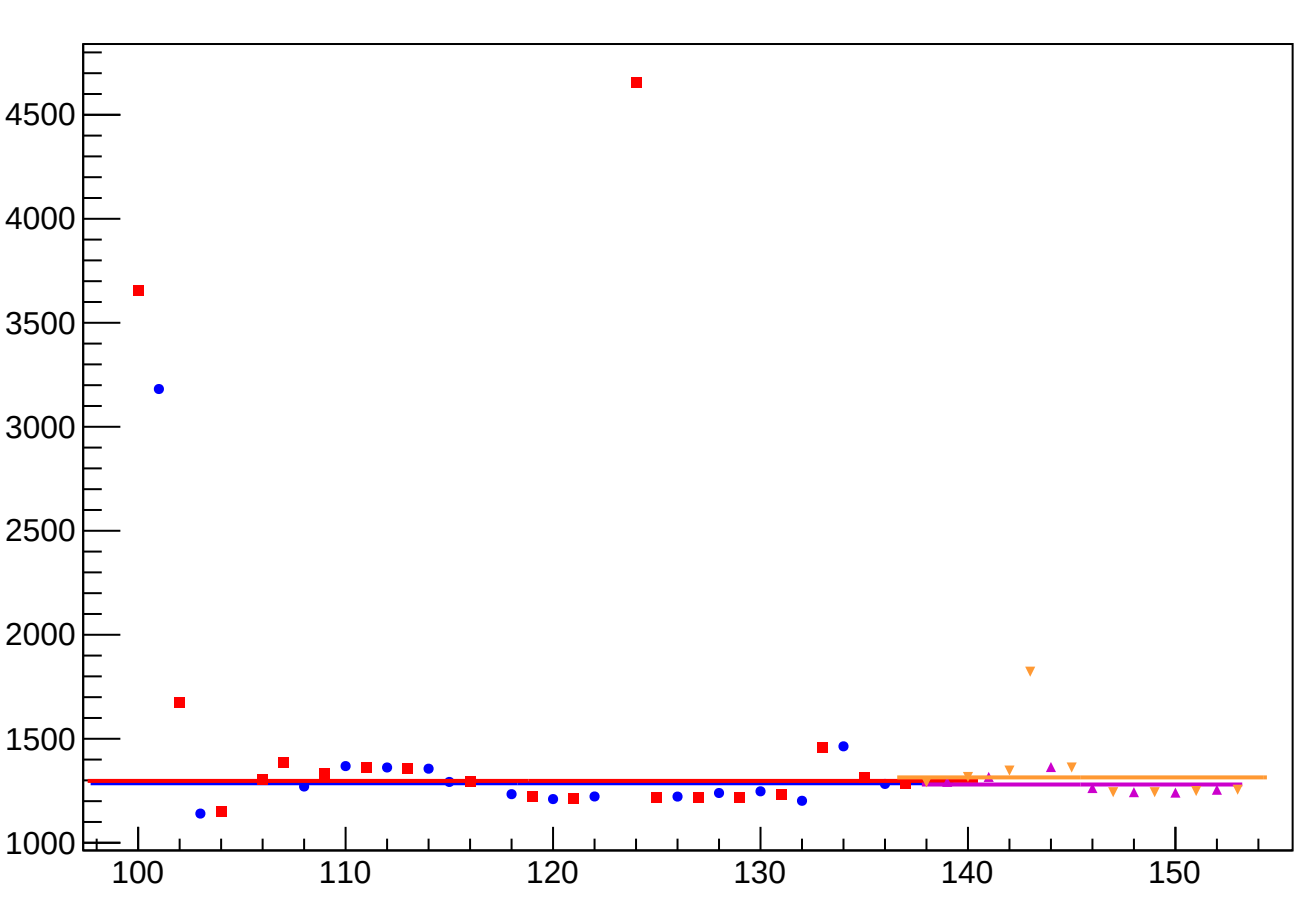
Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 328.719+/-0.071 χ^2/NDF:4643043.7/22

Out: 325.983+/-0.069 χ^2/NDF:6086010.0/27

All: 327.327+/-0.049 χ^2/NDF: 10729818.3/50


eigen_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
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: 143.408+/-498.445 χ²/NDF:8.1/8
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -583.580+/-516.914 χ²/NDF:11.2/6
Left: -206.867+/-358.805 χ²/NDF: 20.3/15
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -696.483+/-354.640 χ²/NDF:24.7/22
Out: -118.309+/-348.098 χ²/NDF:24.3/27
All: -402.014+/-248.423 χ²/NDF: 50.4/50



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1314.292+/-0.352 χ^2/NDF:149256.9/8

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1280.094+/-0.366 χ^2/NDF:12635.6/6

Left: 1297.815+/-0.254 χ^2/NDF: 166428.6/15

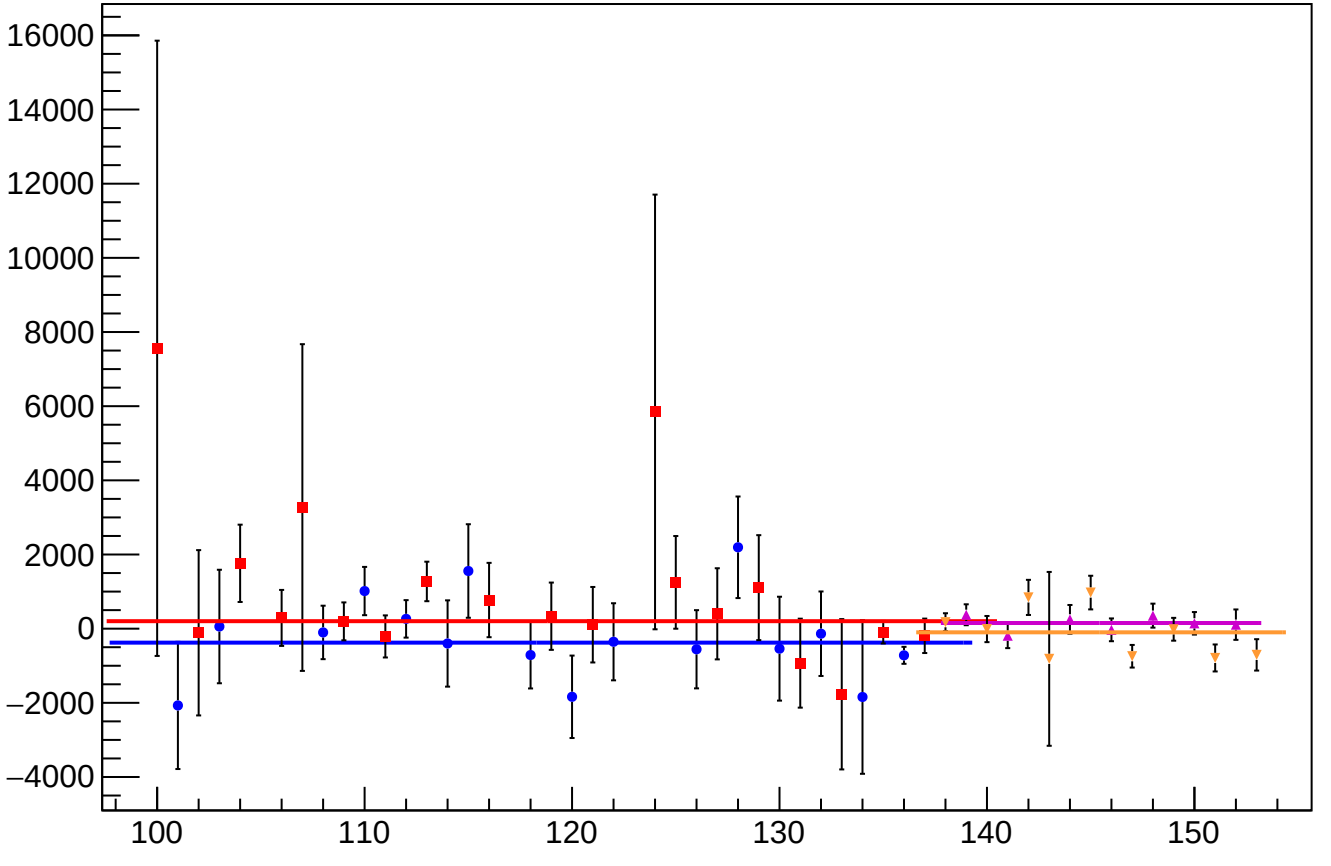
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1283.271+/-0.251 χ^2/NDF:530906.7/22

Out: 1305.635+/-0.246 χ^2/NDF:478176.1/27

All: 1294.661+/-0.176 χ^2/NDF: 1013133.6/50

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: -98.680+/-120.287 χ^2/NDF:21.2/8

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 152.851+/-123.978 χ^2/NDF:2.5/6

Left: 23.286+/-86.331 χ^2/NDF: 25.8/15

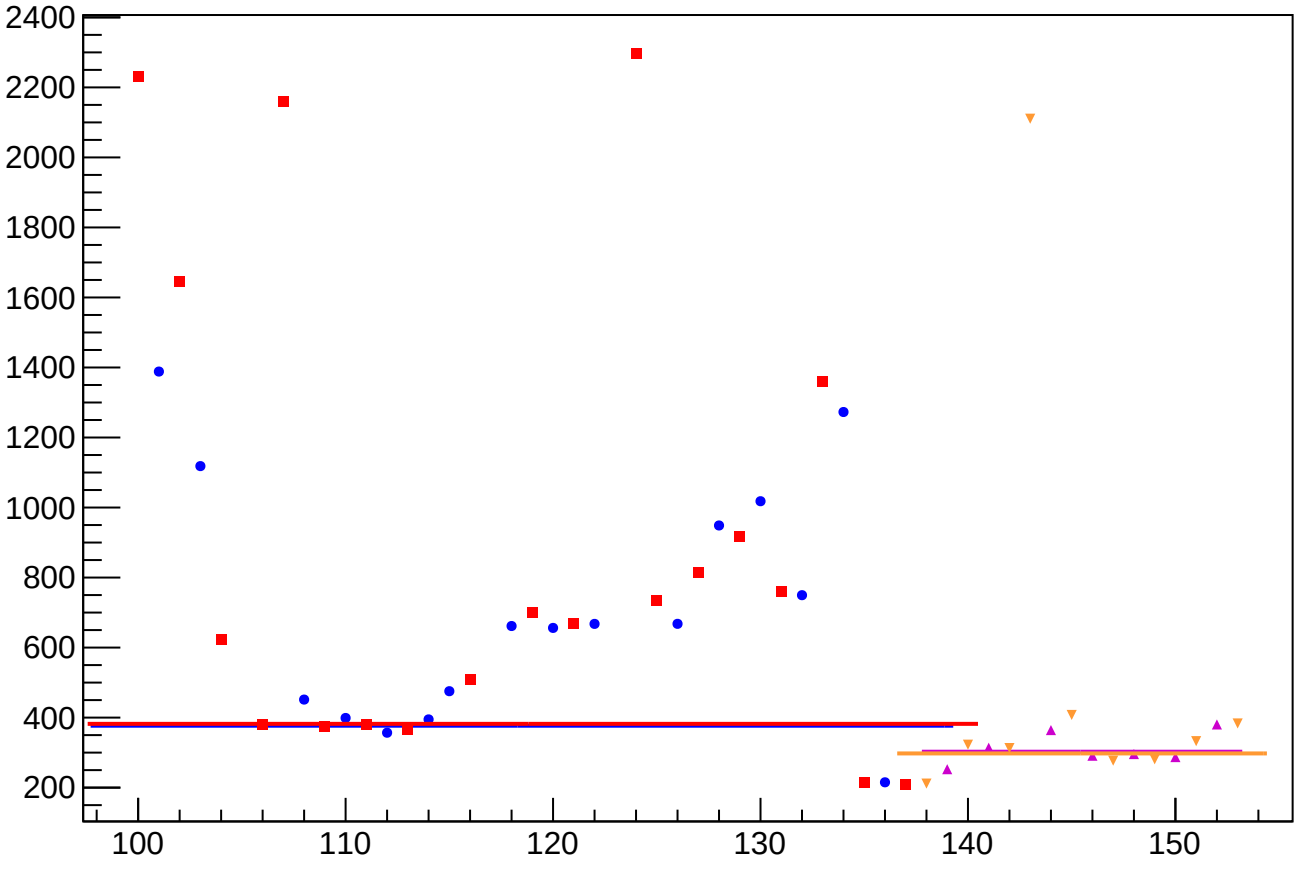
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -33.561+/-99.802 χ^2/NDF:26.8/22

Out: 2.174+/-98.072 χ^2/NDF:37.3/27

All: -15.381+/-69.951 χ^2/NDF: 64.2/50

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: 297.662+/-0.085 χ^2/NDF:1695722.7/8

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 302.558+/-0.088 χ^2/NDF:196709.3/6

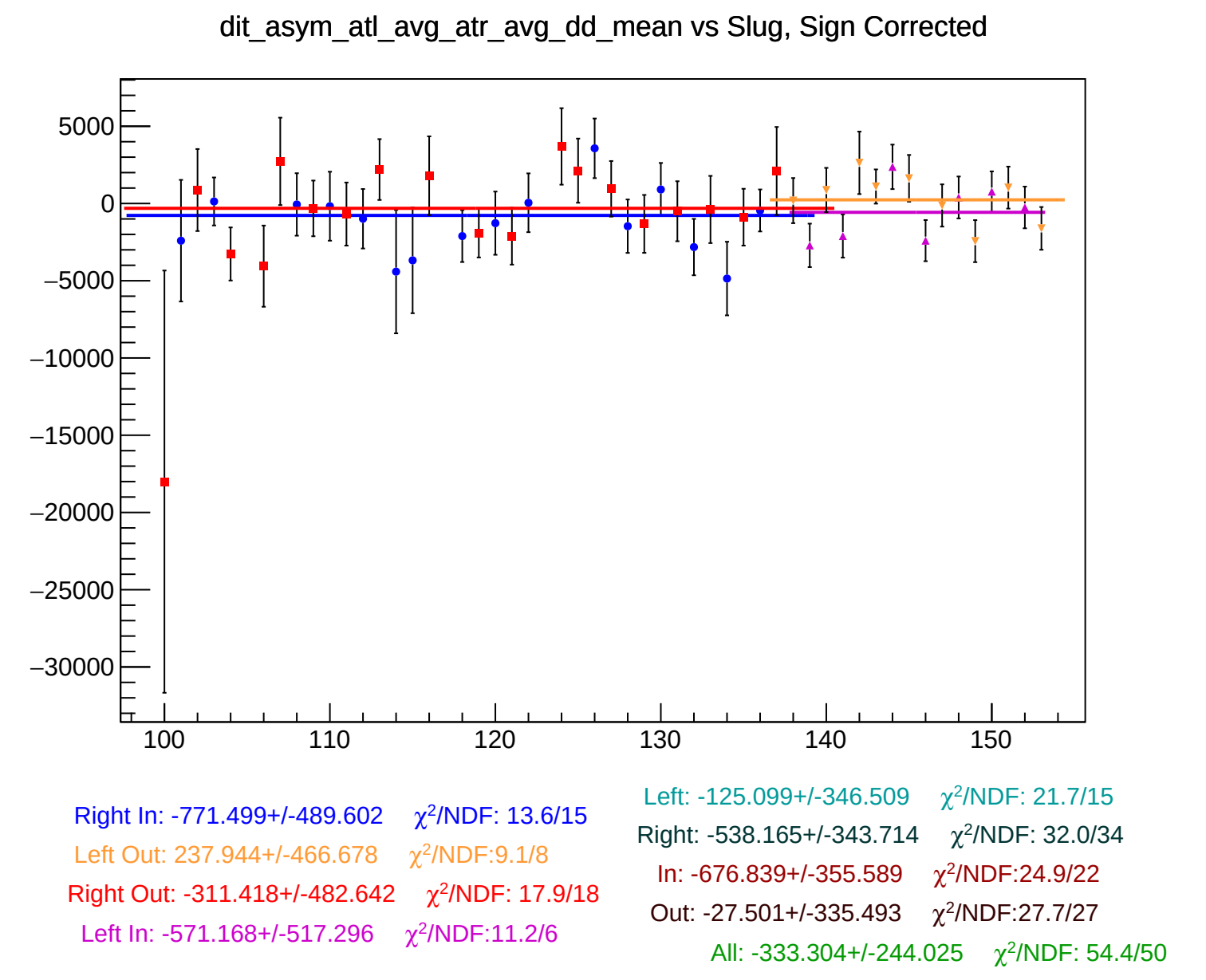
Left: 300.036+/-0.061 χ^2/NDF: 1894038.6/15

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 328.719+/-0.071 χ^2/NDF:4643043.7/22

Out: 325.983+/-0.069 χ^2/NDF:6086010.0/27

All: 327.327+/-0.049 χ^2/NDF: 10729818.3/50


dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
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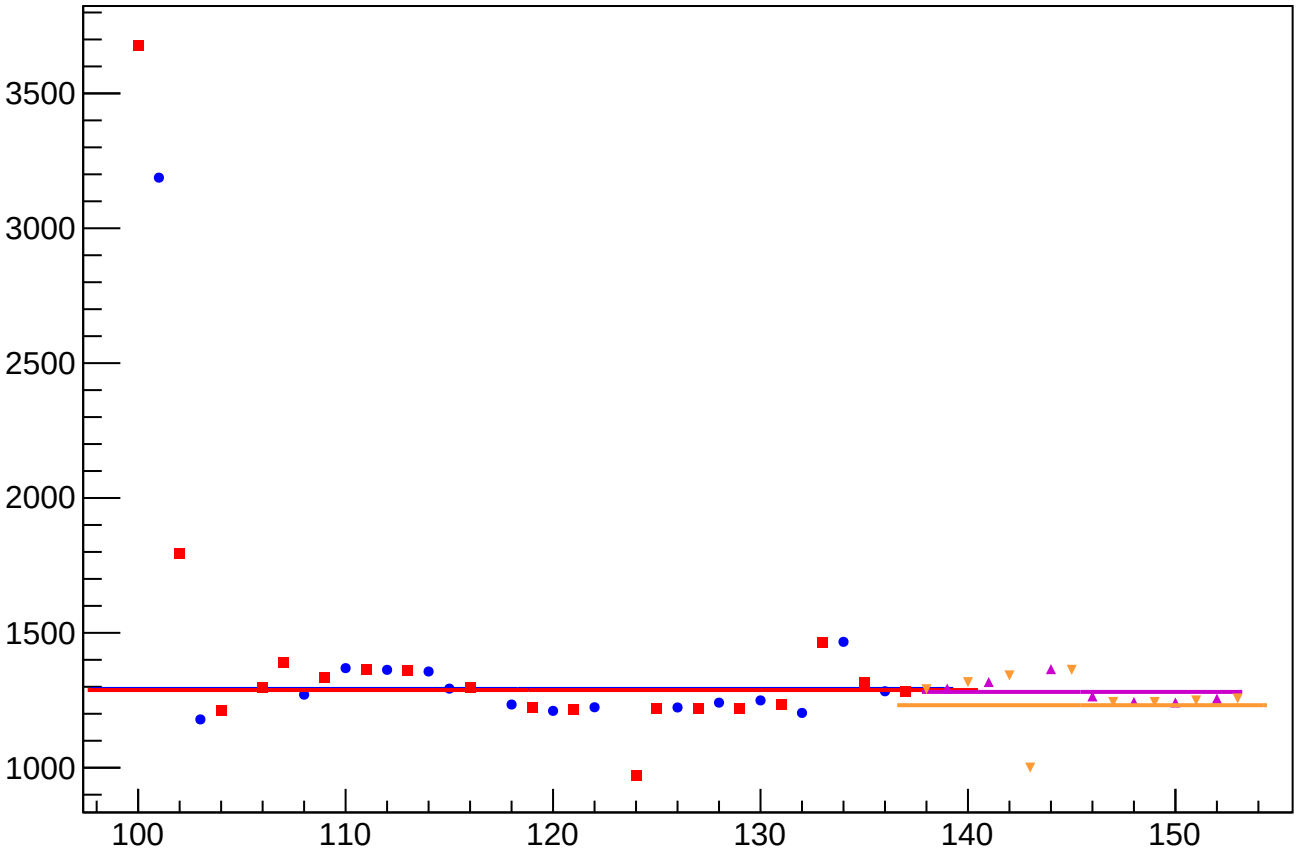
−15000
−20000
−25000
−30000
100
110
120
130
140
150
Right In: -771.499+/-489.602 χ²/NDF: 13.6/15
Left Out: 237.944+/-466.678 χ²/NDF:9.1/8
Right Out: -311.418+/-482.642 χ²/NDF: 17.9/18
Left In: -571.168+/-517.296 χ²/NDF:11.2/6
Left: -125.099+/-346.509 χ²/NDF: 21.7/15
Right: -538.165+/-343.714 χ²/NDF: 32.0/34
In: -676.839+/-355.589 χ²/NDF:24.9/22
Out: -27.501+/-335.493 χ²/NDF:27.7/27
All: -333.304+/-244.025 χ²/NDF: 54.4/50



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1231.774+/-0.330 χ^2/NDF:120068.6/8

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1281.030+/-0.366 χ^2/NDF:12720.2/6

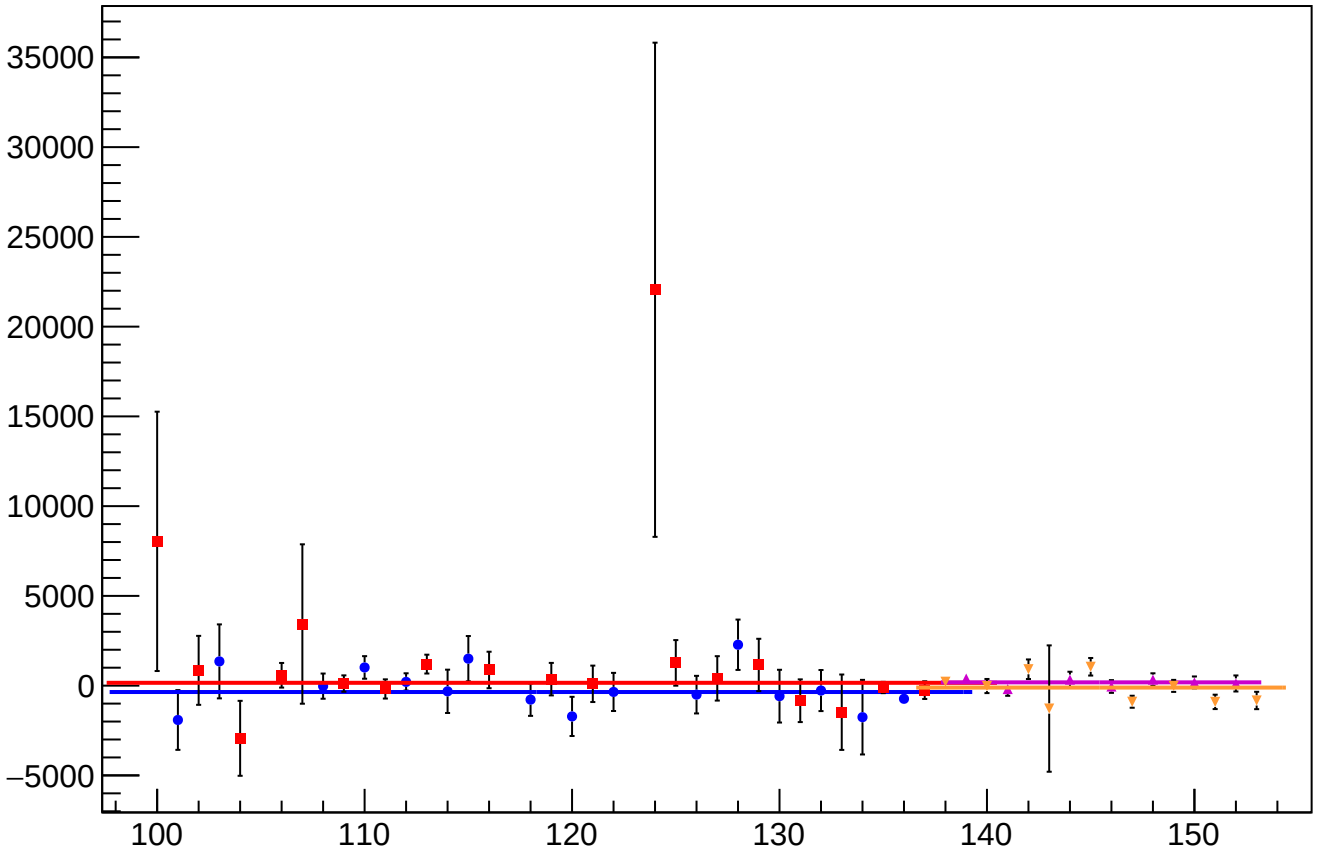
Left: 1253.875+/-0.245 χ^2/NDF: 142785.7/15

Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1286.836+/-0.251 χ^2/NDF:522604.2/22

Out: 1258.936+/-0.237 χ^2/NDF:343299.3/27

All: 1272.076+/-0.173 χ^2/NDF: 872417.5/50



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -107.641+/-129.911 χ^2/NDF:22.9/8

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 183.633+/-134.428 χ^2/NDF:2.3/6

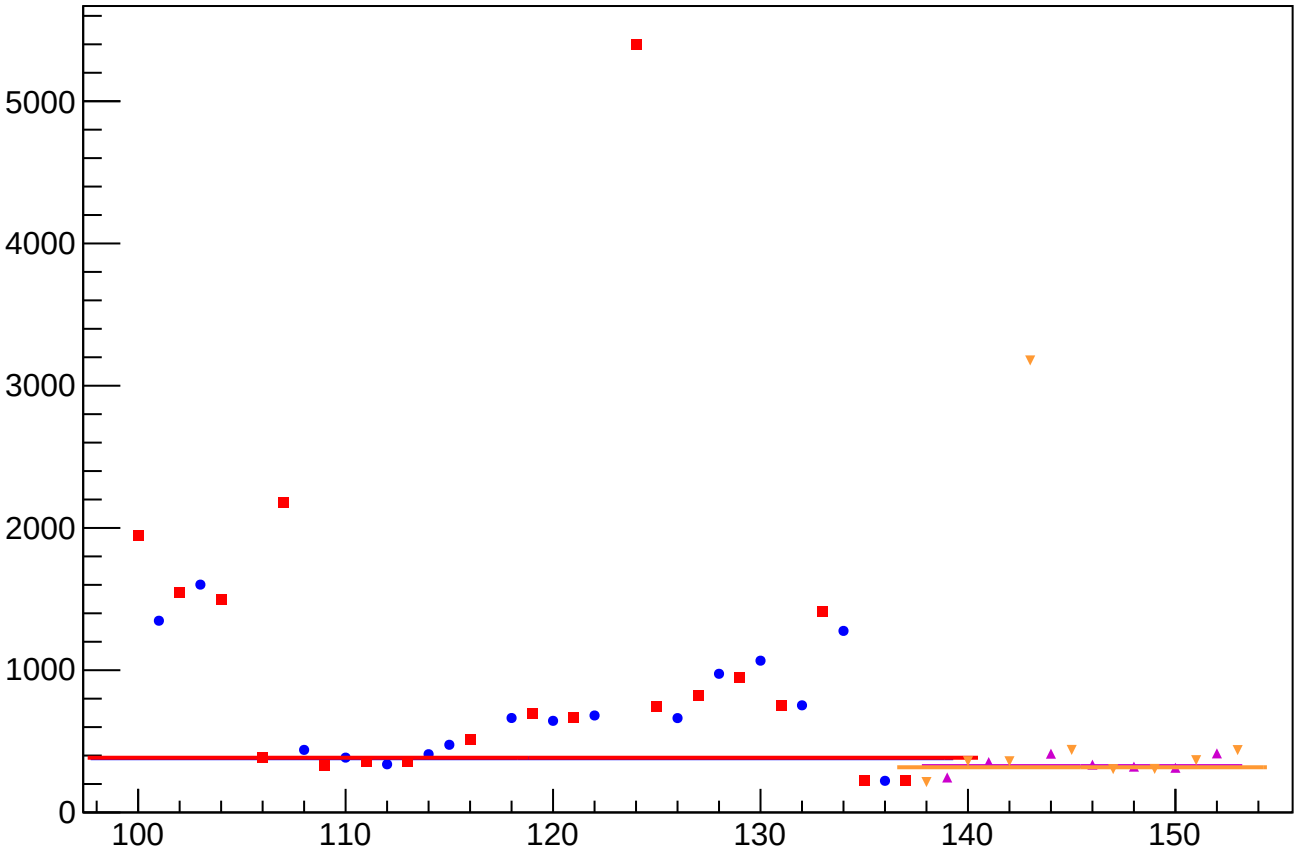
Left: 33.021+/-93.417 χ^2/NDF: 27.6/15

Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: -23.723+/-105.437 χ^2/NDF:26.9/22

Out: -9.489+/-103.147 χ^2/NDF:40.2/27

All: -16.450+/-73.732 χ^2/NDF: 67.2/50



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 317.738+/-0.092 χ^2/NDF:2004838.5/8

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 325.974+/-0.095 χ^2/NDF:341981.8/6

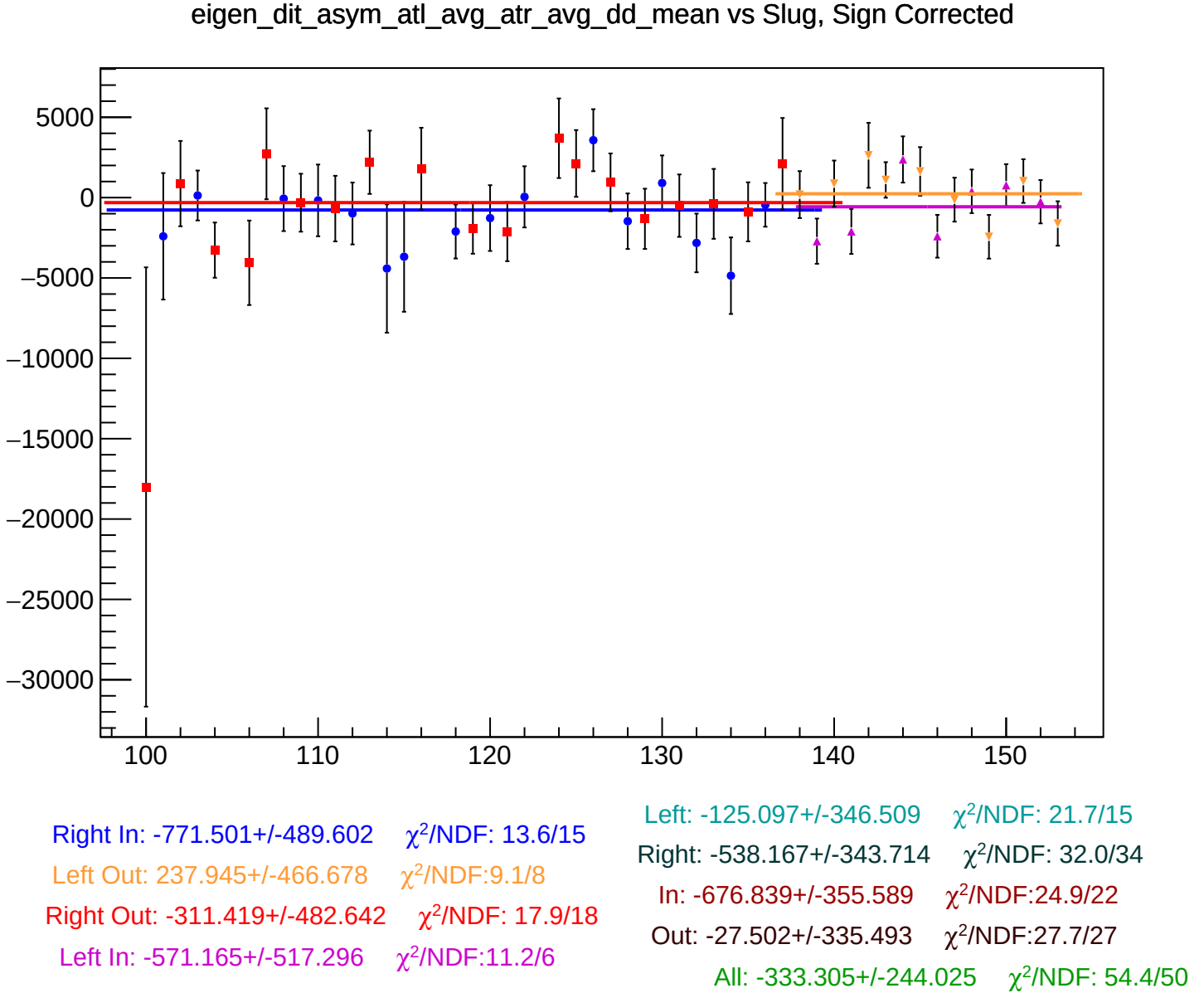
Left: 321.715+/-0.066 χ^2/NDF: 2350702.3/15

Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 347.283+/-0.075 χ^2/NDF:4790499.1/22

Out: 342.469+/-0.073 χ^2/NDF:6761149.9/27

All: 344.823+/-0.052 χ^2/NDF: 11553779.3/50


eigen_dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
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−15000
−20000
−25000
−30000
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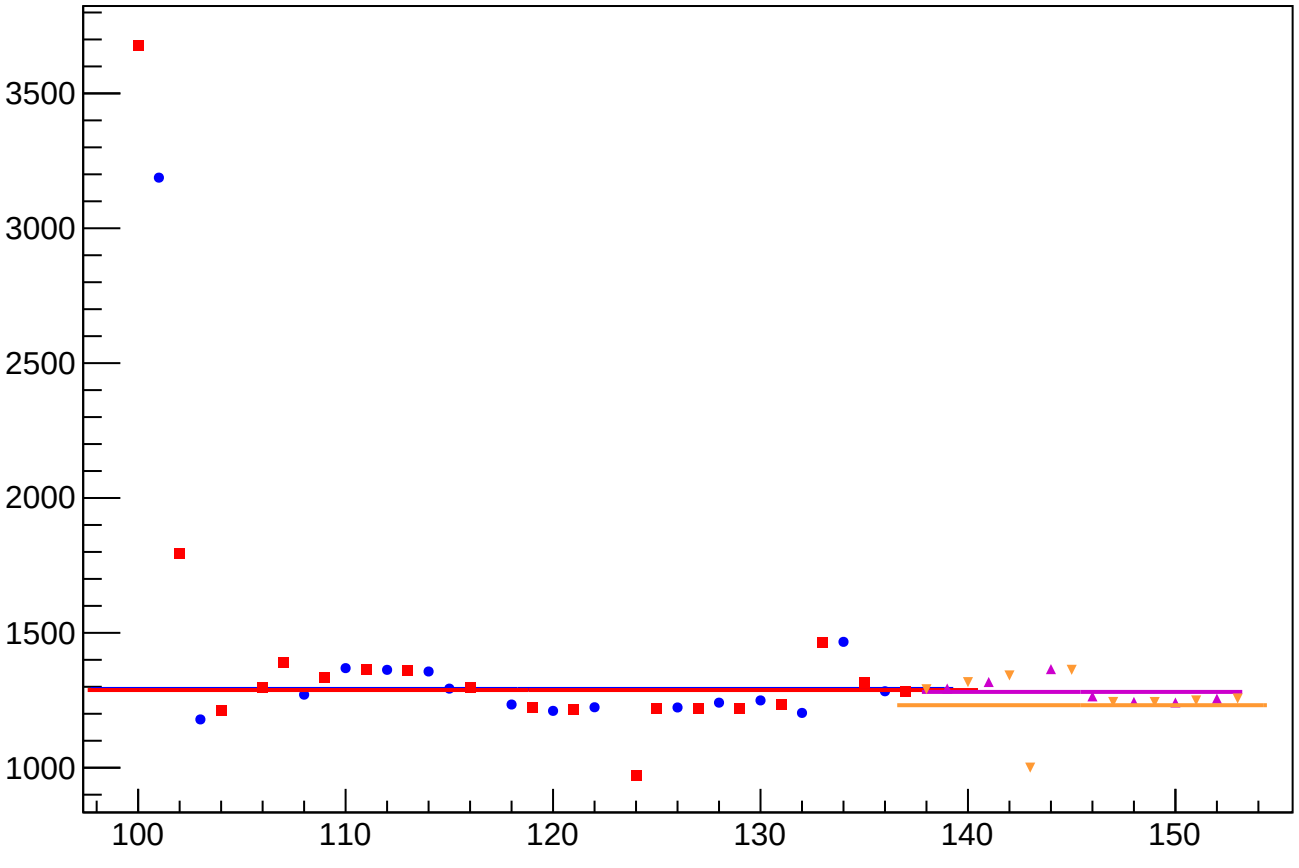
140
150
Right In: -771.501+/-489.602 χ²/NDF: 13.6/15
Left Out: 237.945+/-466.678 χ²/NDF:9.1/8
Right Out: -311.419+/-482.642 χ²/NDF: 17.9/18
Left In: -571.165+/-517.296 χ²/NDF:11.2/6
Left: -125.097+/-346.509 χ²/NDF: 21.7/15
Right: -538.167+/-343.714 χ²/NDF: 32.0/34
In: -676.839+/-355.589 χ²/NDF:24.9/22
Out: -27.502+/-335.493 χ²/NDF:27.7/27
All: -333.305+/-244.025 χ²/NDF: 54.4/50



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1231.774+/-0.330 χ^2/NDF:120067.9/8

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1281.030+/-0.366 χ^2/NDF:12720.3/6

Left: 1253.875+/-0.245 χ^2/NDF: 142784.9/15

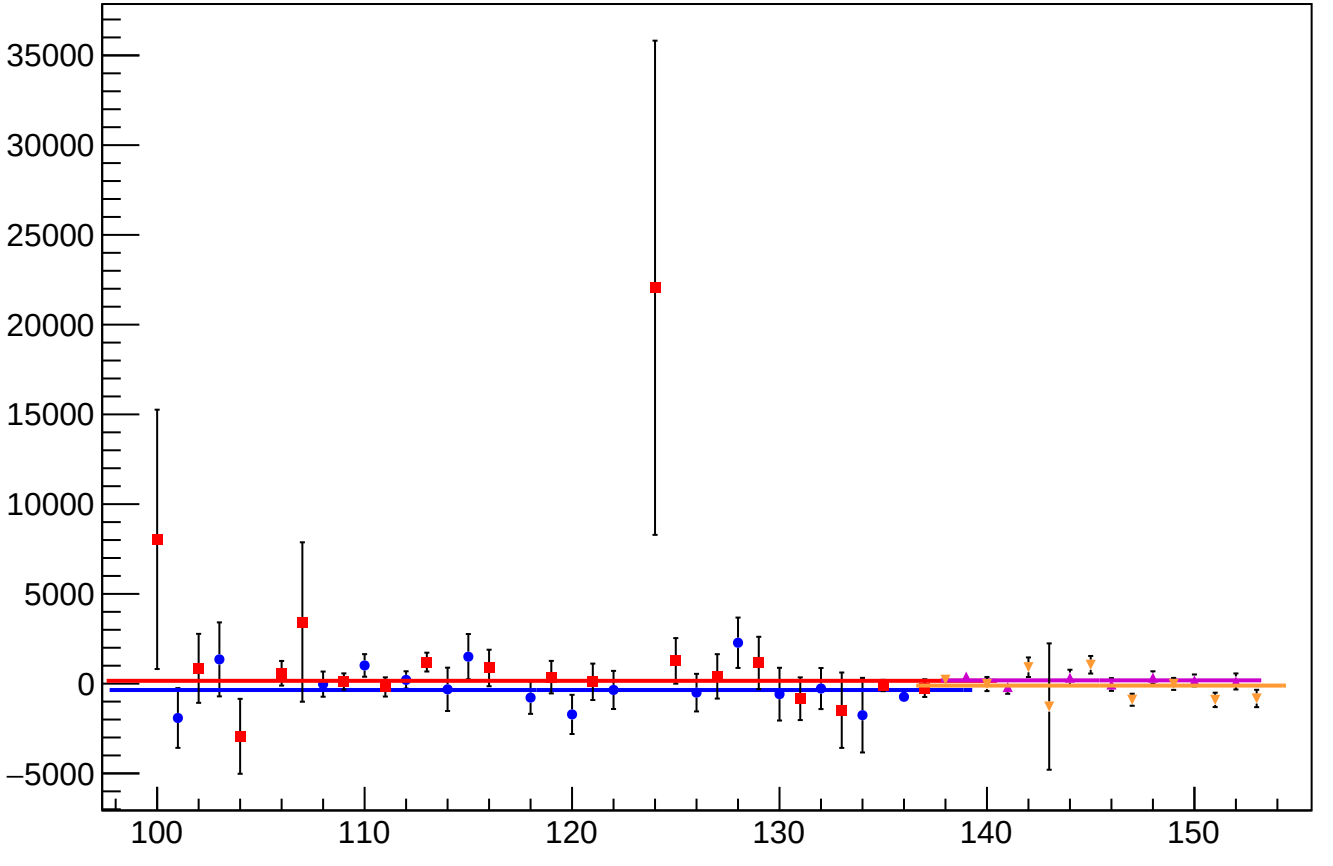
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1286.836+/-0.251 χ^2/NDF:522604.2/22

Out: 1258.936+/-0.237 χ^2/NDF:343298.7/27

All: 1272.076+/-0.173 χ^2/NDF: 872416.9/50

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: -107.652+/-129.914 χ^2/NDF:22.9/8

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 183.634+/-134.429 χ^2/NDF:2.3/6

Left: 33.017+/-93.418 χ^2/NDF: 27.6/15

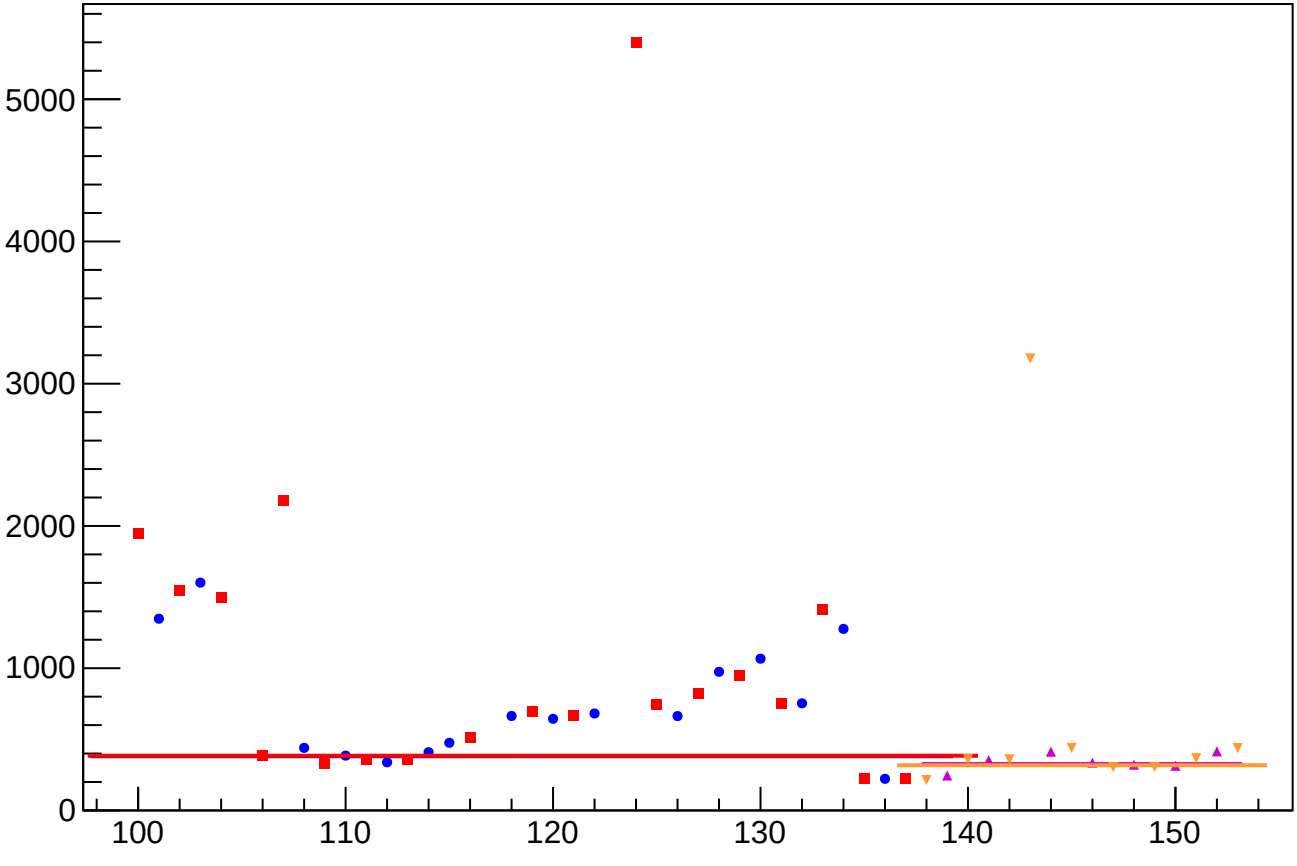
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: -23.721+/-105.439 χ^2/NDF:26.9/22

Out: -9.493+/-103.149 χ^2/NDF:40.2/27

All: -16.451+/-73.733 χ^2/NDF: 67.2/50

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: 317.745+/-0.092 χ^2/NDF:2004709.9/8

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 325.979+/-0.095 χ^2/NDF:341907.6/6

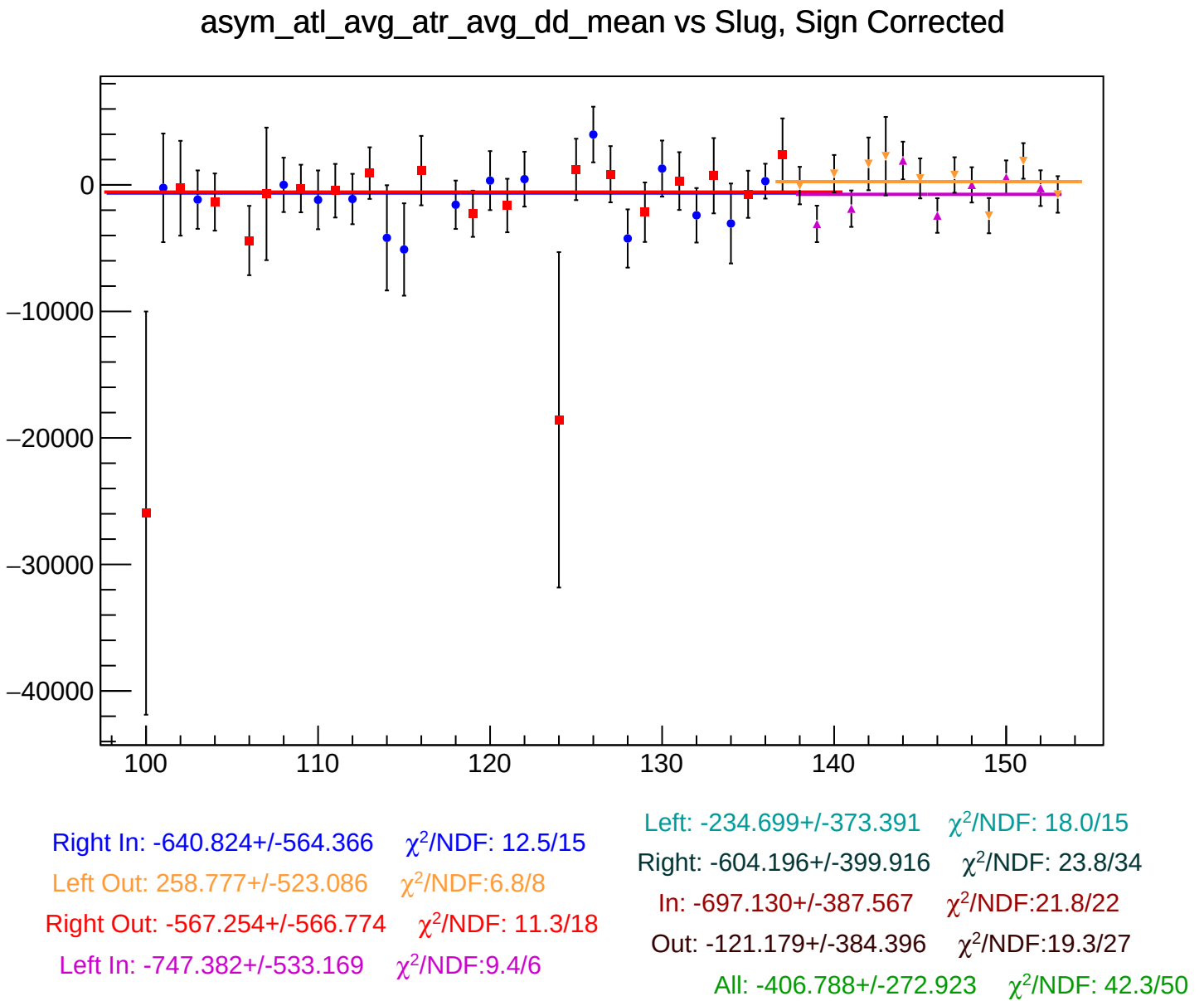
Left: 321.721+/-0.066 χ^2/NDF: 2350497.4/15

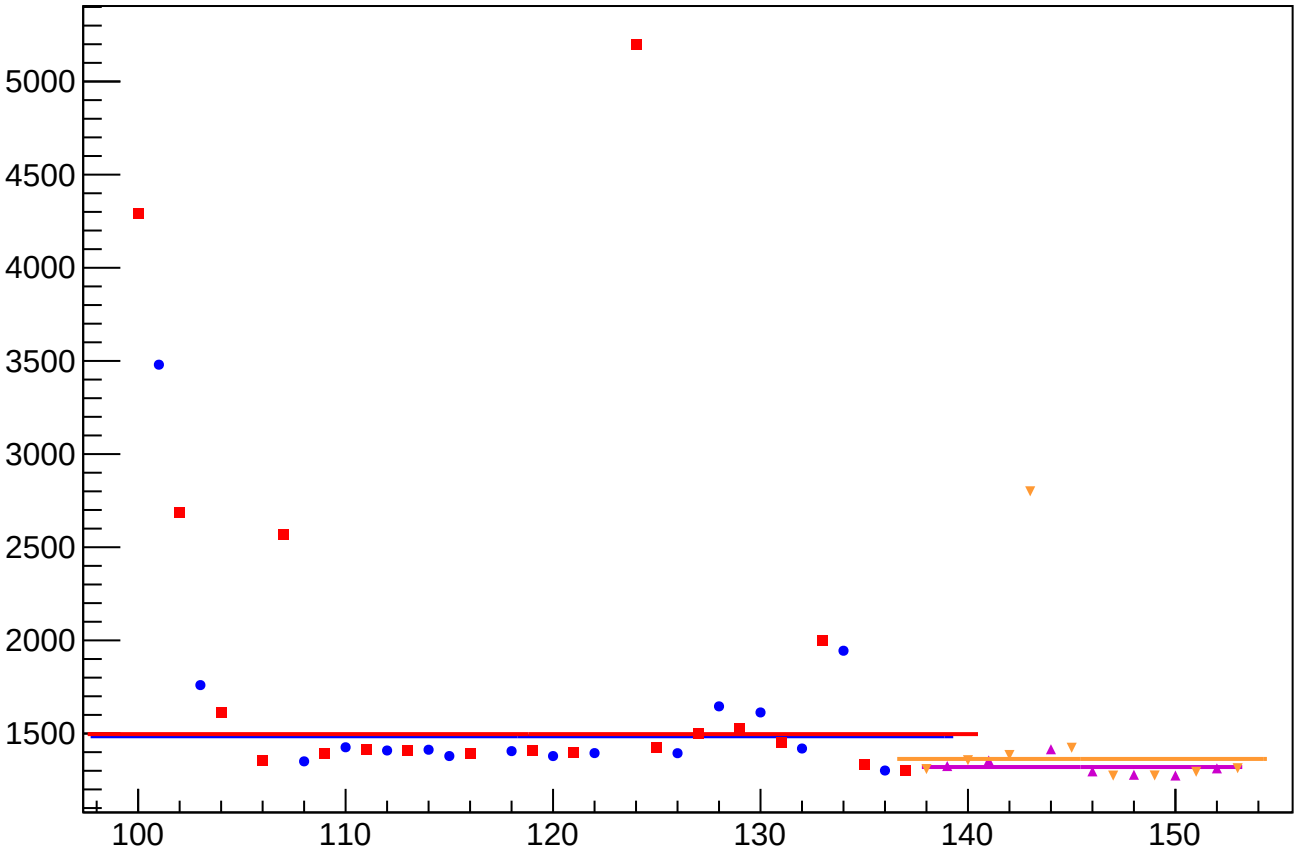
Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 347.289+/-0.075 χ^2/NDF:4790258.8/22

Out: 342.476+/-0.073 χ^2/NDF:6760879.2/27

All: 344.830+/-0.052 χ^2/NDF: 11553267.7/50


asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
Right In: -640.824+/-564.366 χ²/NDF: 12.5/15
Left Out: 258.777+/-523.086 χ²/NDF:6.8/8
Right Out: -567.254+/-566.774 χ²/NDF: 11.3/18
Left In: -747.382+/-533.169 χ²/NDF:9.4/6
Left: -234.699+/-373.391 χ²/NDF: 18.0/15
Right: -604.196+/-399.916 χ²/NDF: 23.8/34
In: -697.130+/-387.567 χ²/NDF:21.8/22
Out: -121.179+/-384.396 χ²/NDF:19.3/27
All: -406.788+/-272.923 χ²/NDF: 42.3/50



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1363.677+/-0.370 χ^2/NDF:457833.8/8

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1320.213+/-0.377 χ^2/NDF:14095.6/6

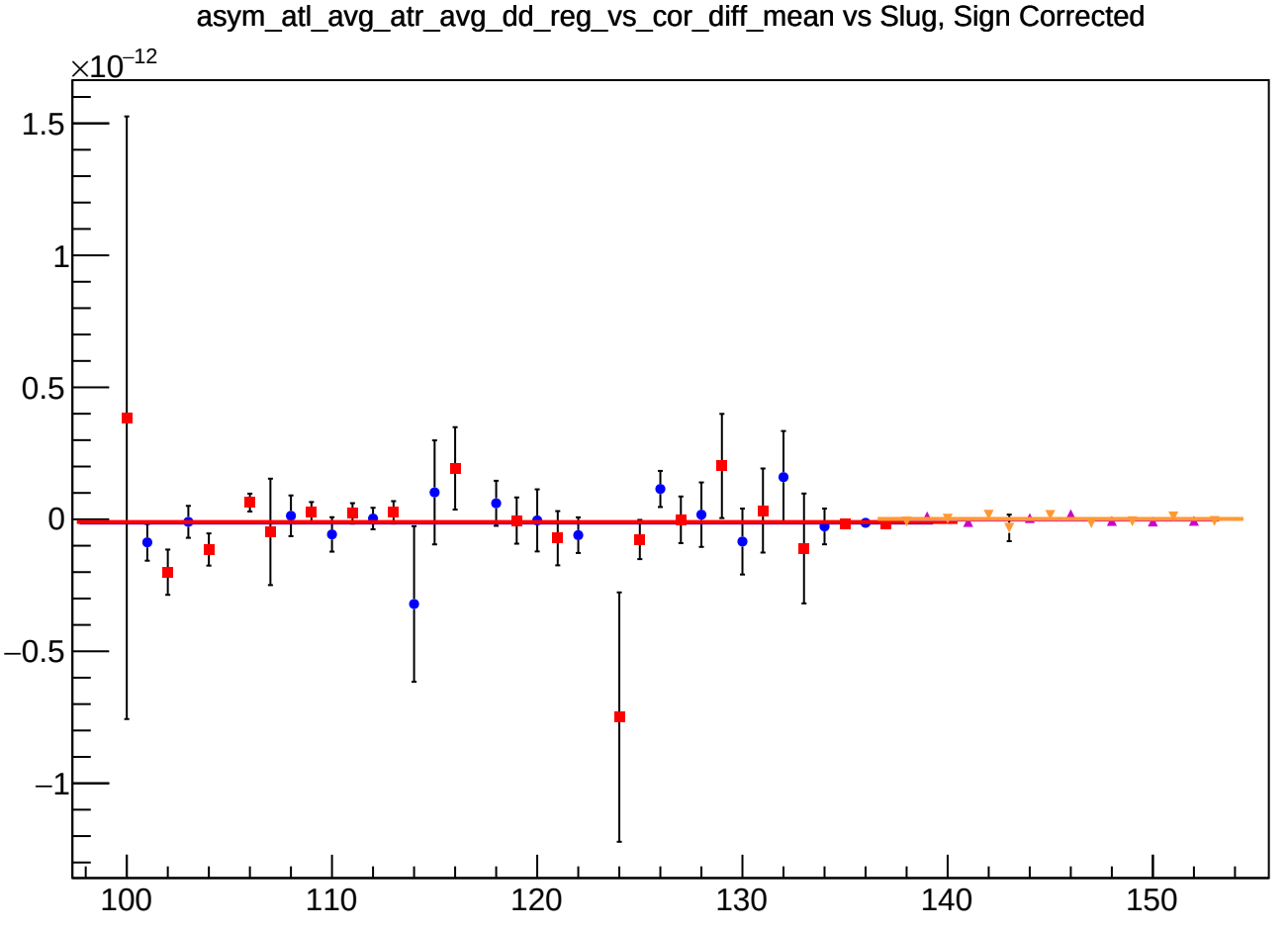
Left: 1342.360+/-0.264 χ^2/NDF: 478701.8/15

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1398.101+/-0.274 χ^2/NDF:689070.1/22

Out: 1424.941+/-0.272 χ^2/NDF:1140769.4/27

All: 1411.631+/-0.193 χ^2/NDF: 1834674.8/50



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.3/8

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:8.9/6

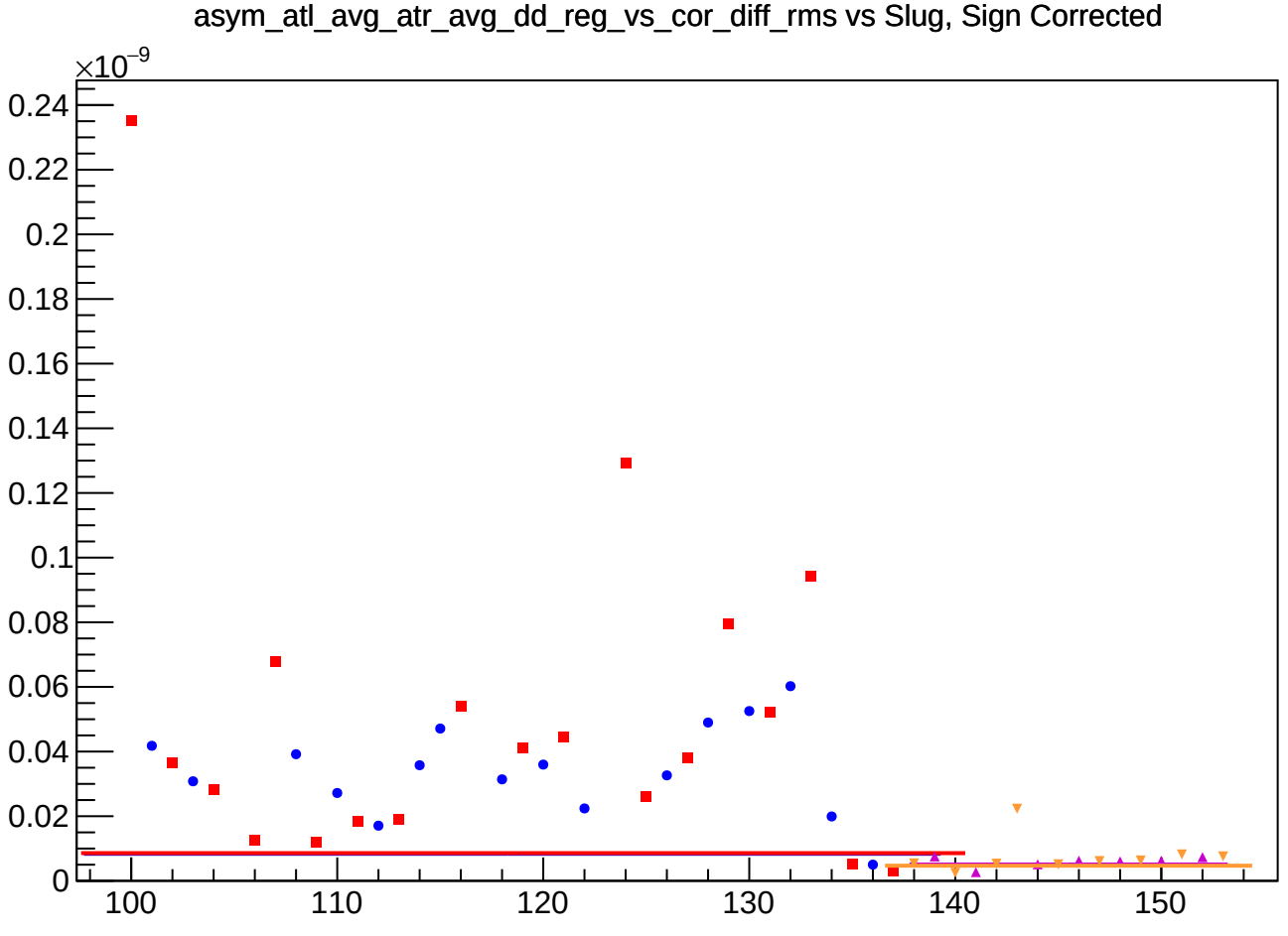
Left: 0.000+/-0.000 χ^2/NDF: 19.5/15

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:20.3/22

Out: 0.000+/-0.000 χ^2/NDF:34.4/27

All: -0.000+/-0.000 χ^2/NDF: 55.3/50



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1015122.0/8

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:566513.4/6

Left: 0.000+/-0.000 χ^2/NDF: 1594914.5/15

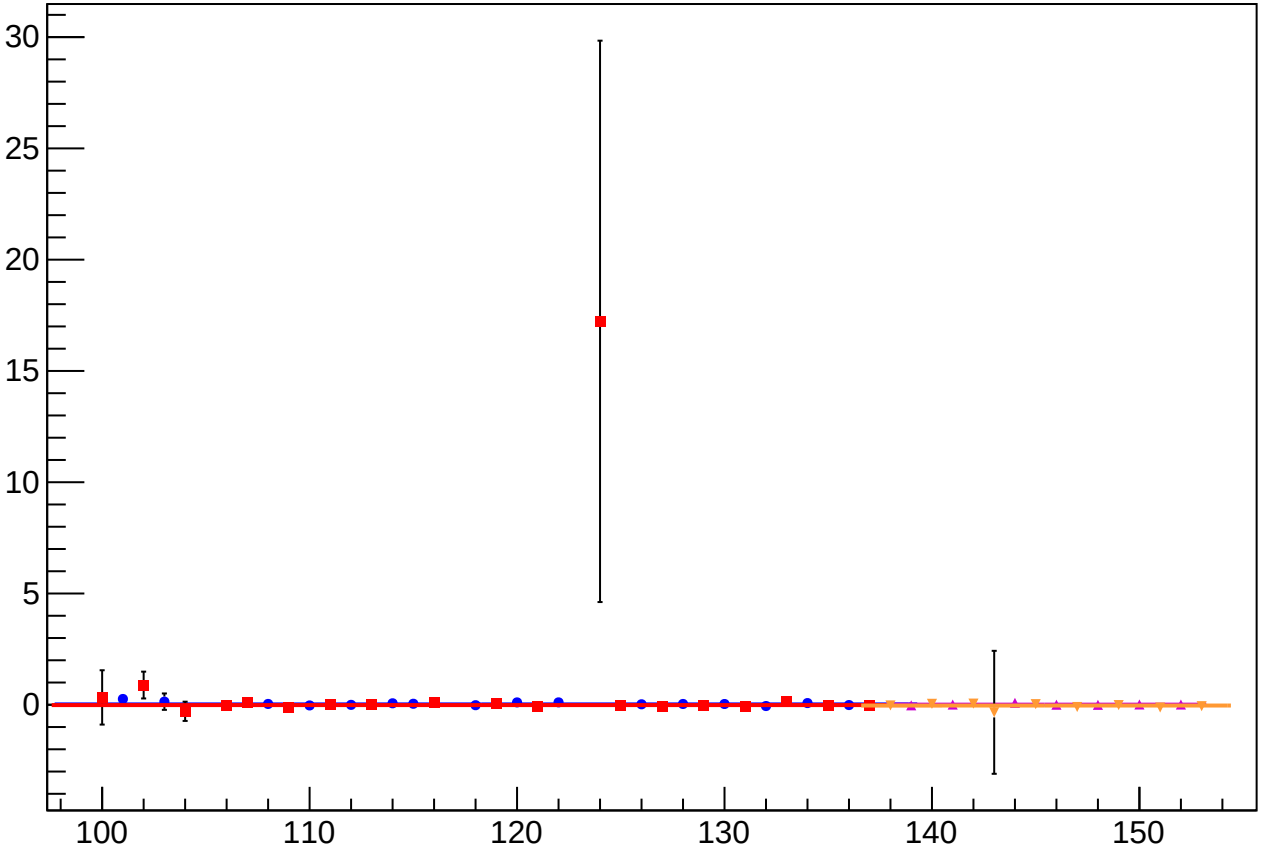
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:3956882.0/22

Out: 0.000+/-0.000 χ^2/NDF:4773298.0/27

All: 0.000+/-0.000 χ^2/NDF: 8751699.3/50

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: -0.034+/-0.014 χ^2/NDF:15.2/8

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.006+/-0.015 χ^2/NDF:3.6/6

Left: -0.015+/-0.010 χ^2/NDF: 22.7/15

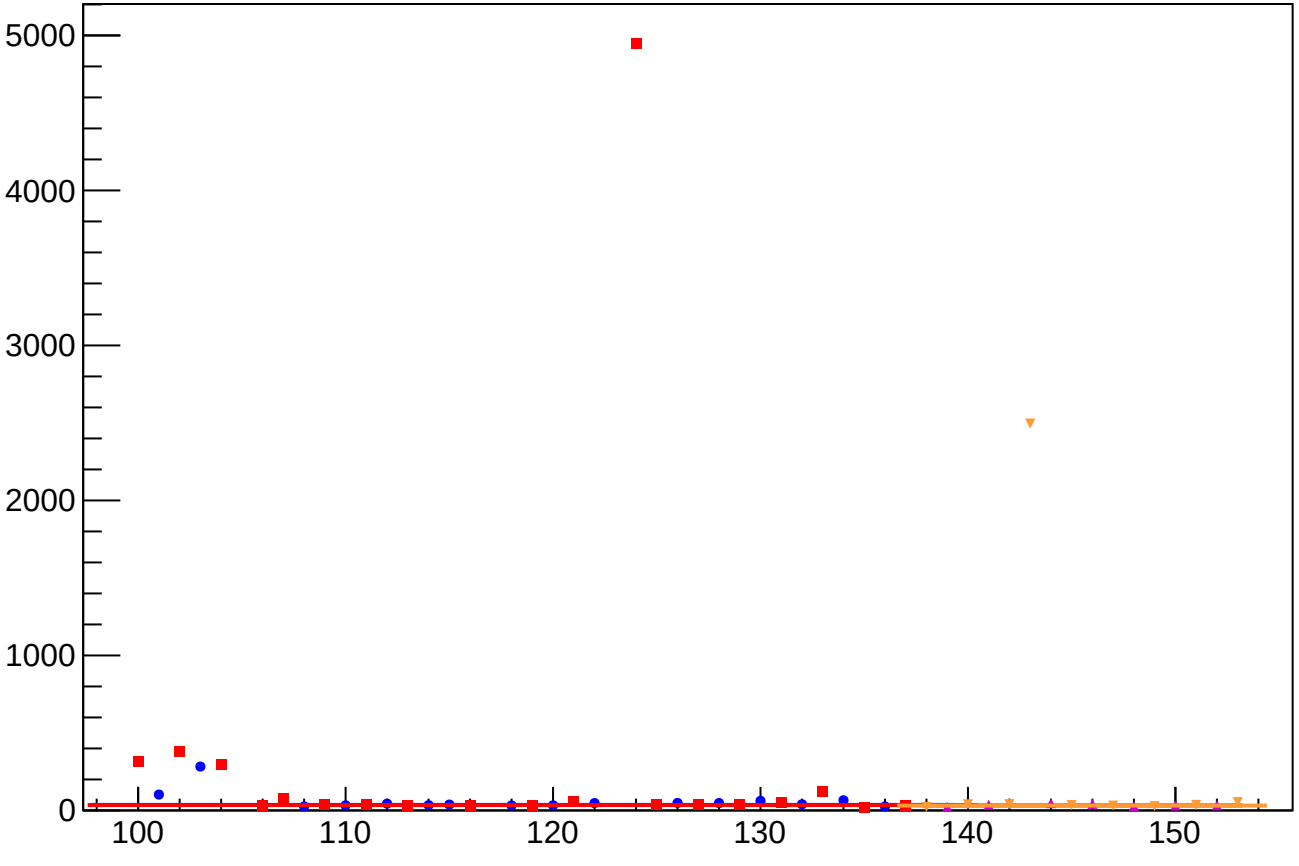
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.011 χ^2/NDF:15.3/22

Out: -0.025+/-0.010 χ^2/NDF:32.2/27

All: -0.007+/-0.007 χ^2/NDF: 53.3/50

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: 31.564+/-0.010 χ^2/NDF:2214818.7/8

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.493+/-0.010 χ^2/NDF:481357.8/6

Left: 32.010+/-0.007 χ^2/NDF: 2700423.9/15

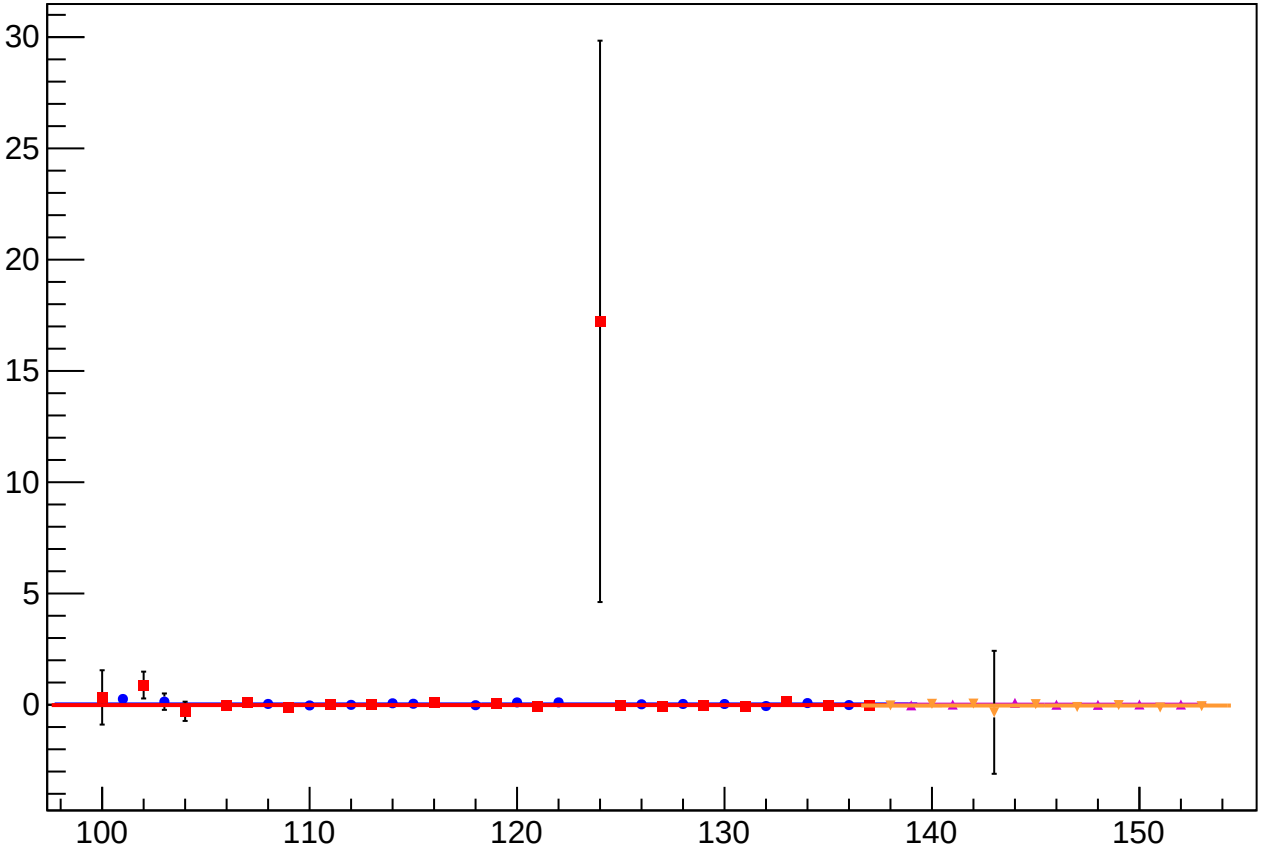
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.019+/-0.007 χ^2/NDF:2793052.1/22

Out: 33.001+/-0.007 χ^2/NDF:5176533.6/27

All: 33.502+/-0.005 χ^2/NDF: 7978979.2/50

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: -0.034+/-0.014 χ^2/NDF:15.2/8

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.006+/-0.015 χ^2/NDF:3.6/6

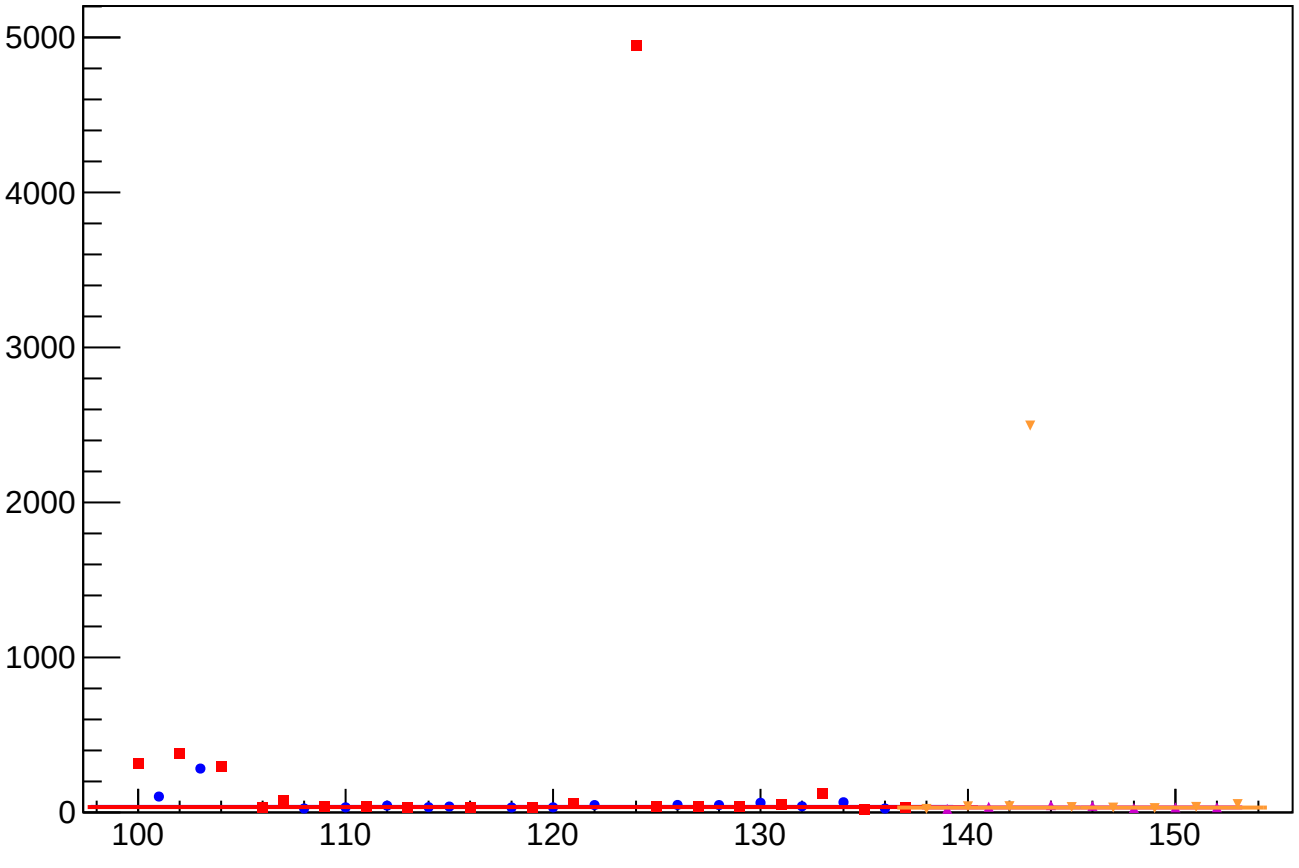
Left: -0.015+/-0.010 χ^2/NDF: 22.7/15

Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.011 χ^2/NDF:15.3/22

Out: -0.025+/-0.010 χ^2/NDF:32.2/27

All: -0.007+/-0.007 χ^2/NDF: 53.3/50



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 31.564+/-0.010 χ^2/NDF:2214818.7/8

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.493+/-0.010 χ^2/NDF:481357.8/6

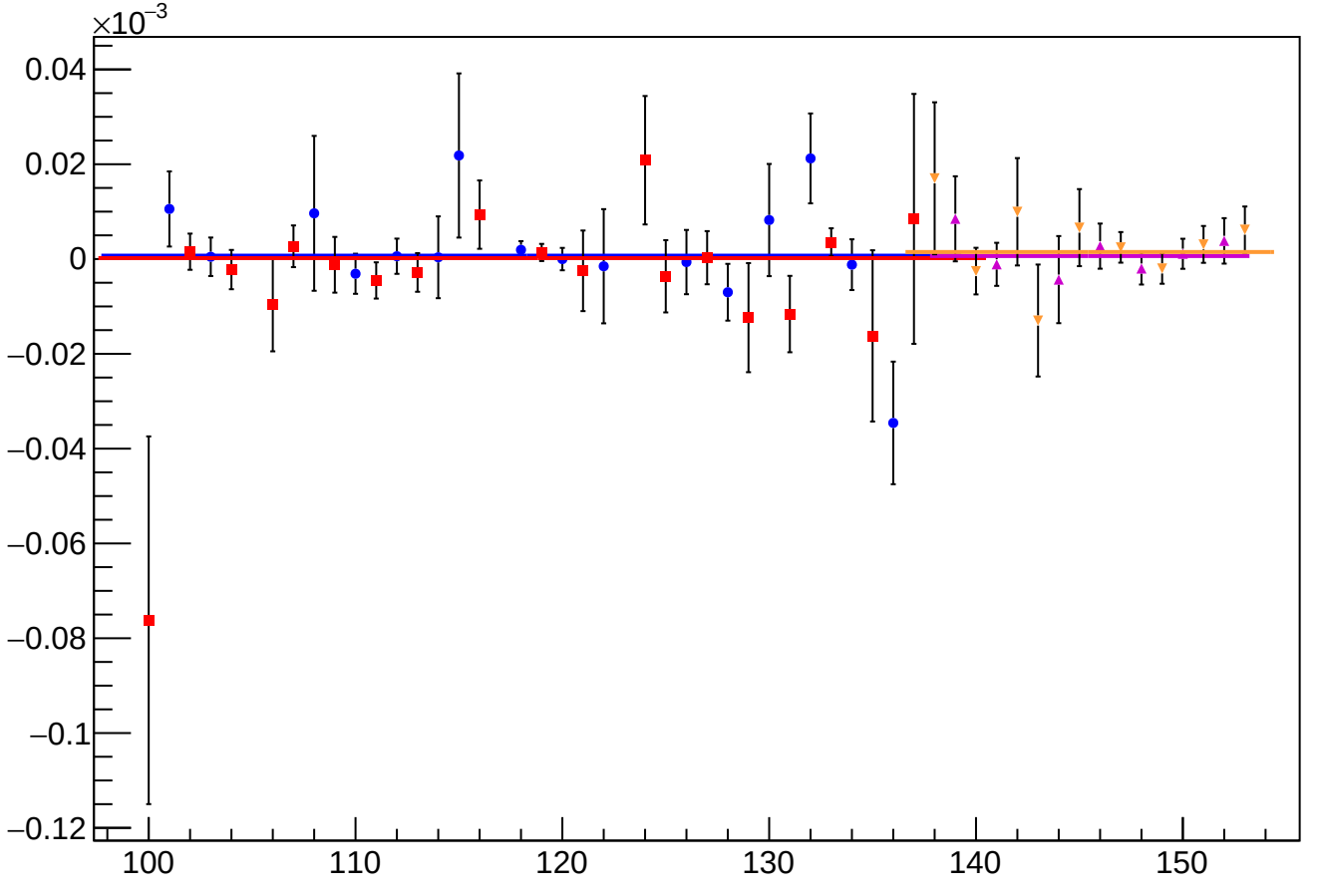
Left: 32.010+/-0.007 χ^2/NDF: 2700423.9/15

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.019+/-0.007 χ^2/NDF:2793052.1/22

Out: 33.001+/-0.007 χ^2/NDF:5176533.6/27

All: 33.502+/-0.005 χ^2/NDF: 7978979.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.4/8

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2.5/6

Left: 0.000+/-0.000 χ^2/NDF: 9.0/15

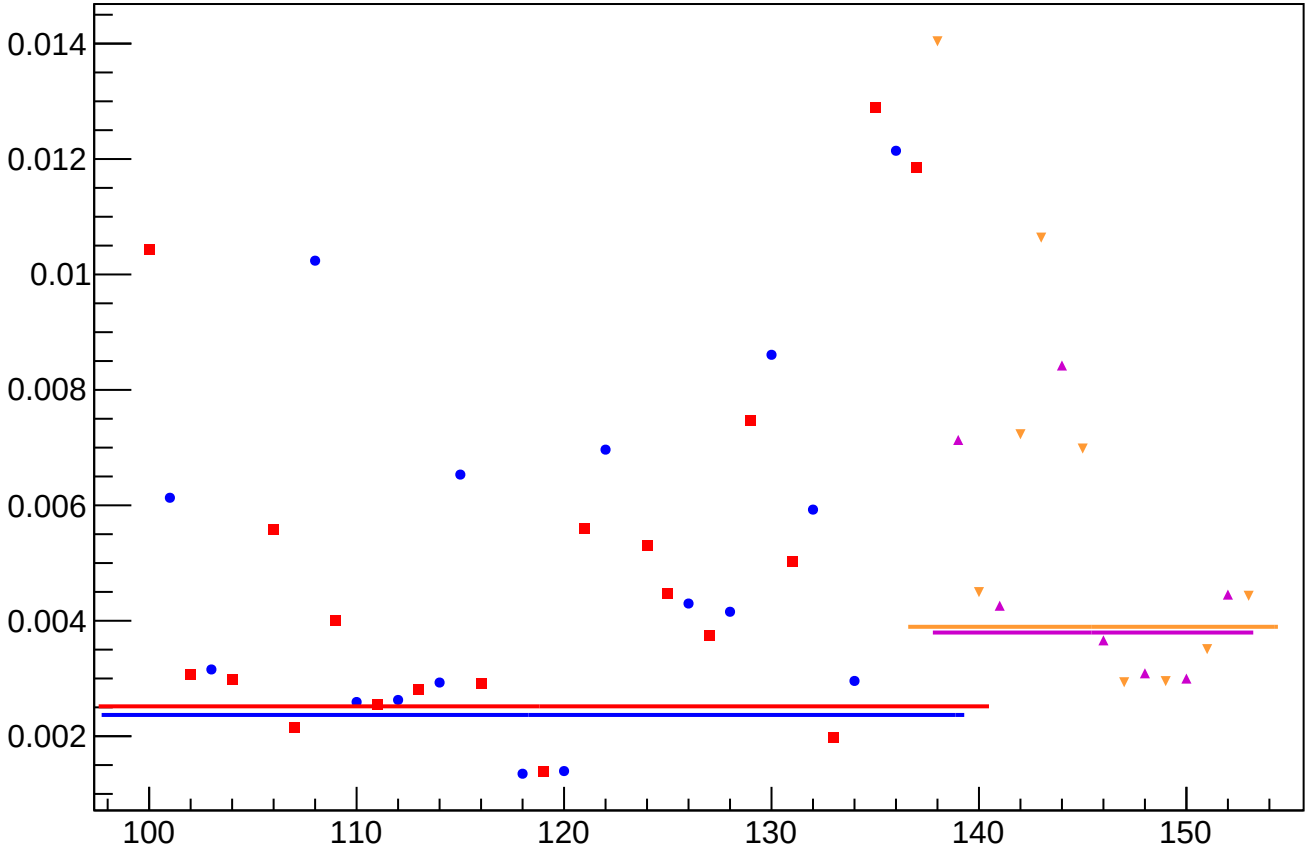
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:21.6/22

Out: 0.000+/-0.000 χ^2/NDF:24.9/27

All: 0.000+/-0.000 χ^2/NDF: 46.5/50

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2335705.8/8

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:1057970.7/6

Left: 0.004+/-0.000 χ^2/NDF: 3397252.6/15

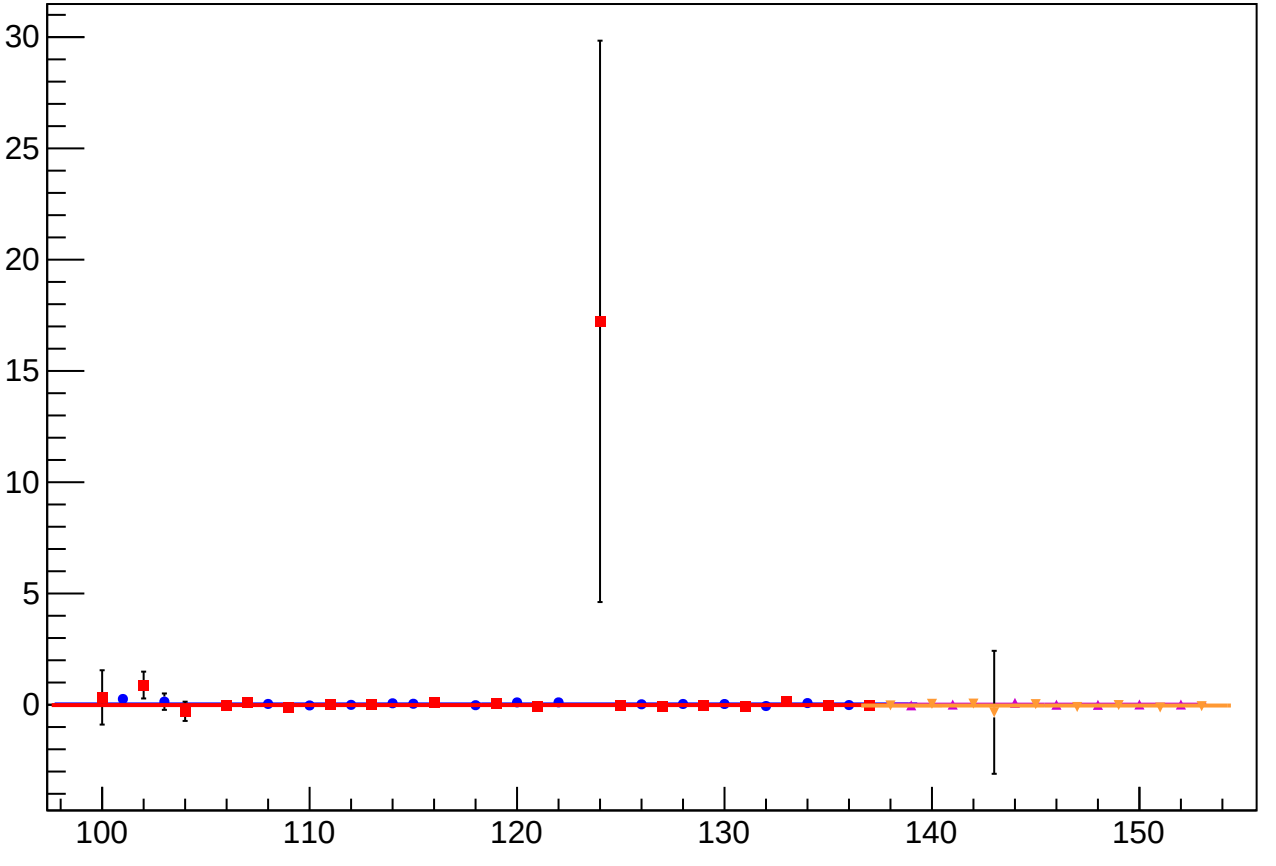
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:6774062.3/22

Out: 0.003+/-0.000 χ^2/NDF:6733200.0/27

All: 0.003+/-0.000 χ^2/NDF: 13528920.9/50

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: -0.034+/-0.014 χ^2/NDF:15.2/8

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.006+/-0.015 χ^2/NDF:3.6/6

Left: -0.015+/-0.010 χ^2/NDF: 22.7/15

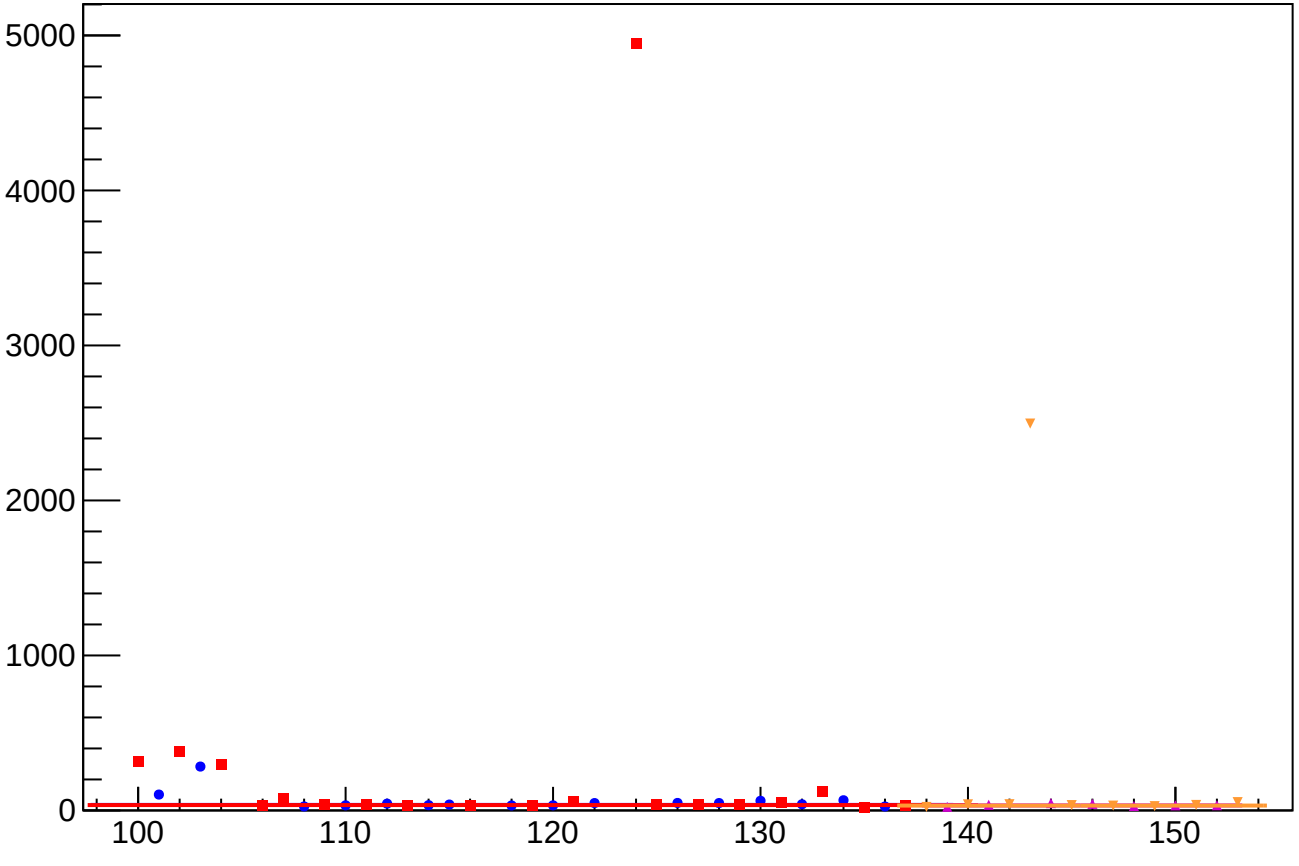
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.011 χ^2/NDF:15.3/22

Out: -0.025+/-0.010 χ^2/NDF:32.2/27

All: -0.007+/-0.007 χ^2/NDF: 53.3/50

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: 31.563+/-0.010 χ^2/NDF:2215074.9/8

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.491+/-0.010 χ^2/NDF:481691.3/6

Left: 32.009+/-0.007 χ^2/NDF: 2700995.7/15

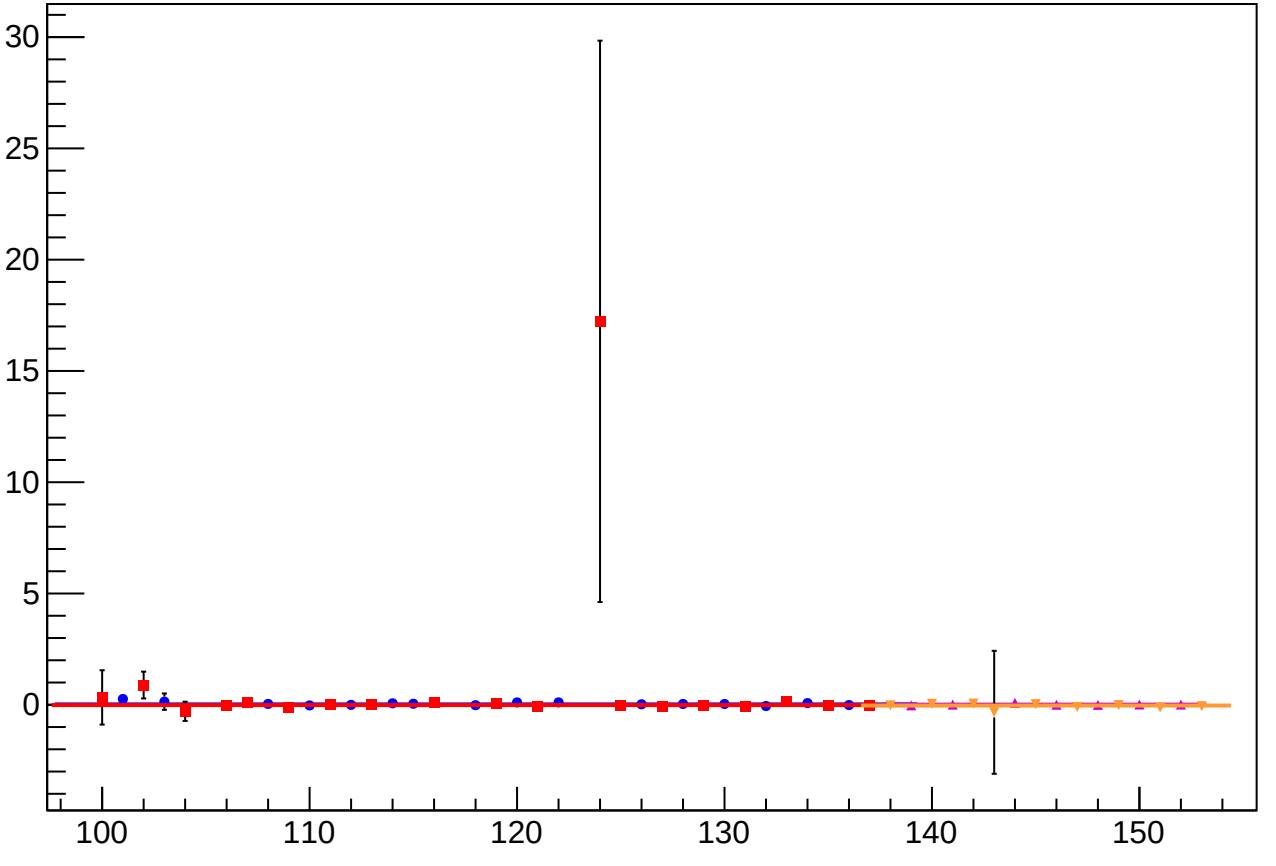
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.019+/-0.007 χ^2/NDF:2793215.3/22

Out: 33.002+/-0.007 χ^2/NDF:5176646.5/27

All: 33.502+/-0.005 χ^2/NDF: 7979239.8/50

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: -0.034+/-0.014 χ^2/NDF:15.2/8

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.006+/-0.015 χ^2/NDF:3.6/6

Left: -0.015+/-0.010 χ^2/NDF: 22.7/15

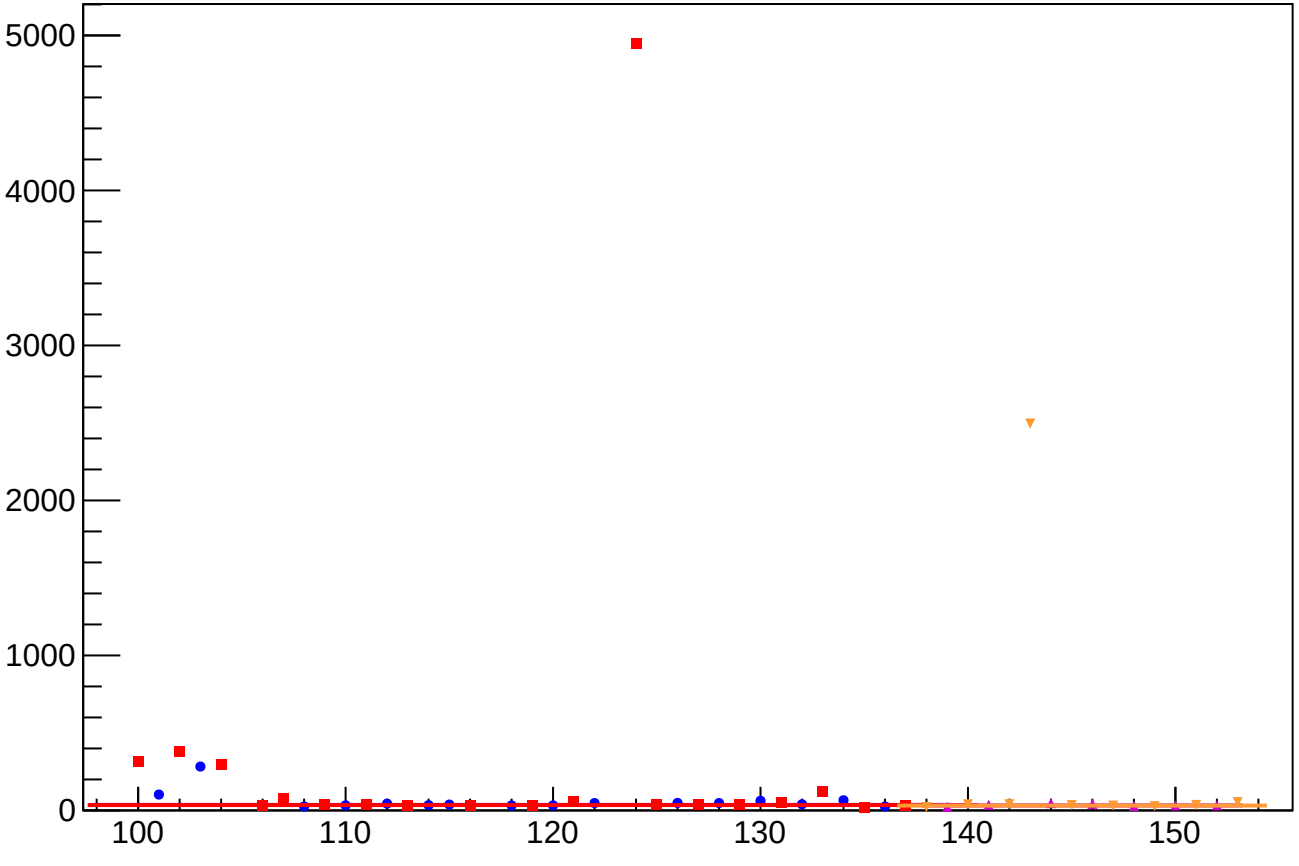
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.011 χ^2/NDF:15.3/22

Out: -0.025+/-0.010 χ^2/NDF:32.2/27

All: -0.007+/-0.007 χ^2/NDF: 53.3/50

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: 31.563+/-0.010 χ^2/NDF:2215074.9/8

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.491+/-0.010 χ^2/NDF:481691.3/6

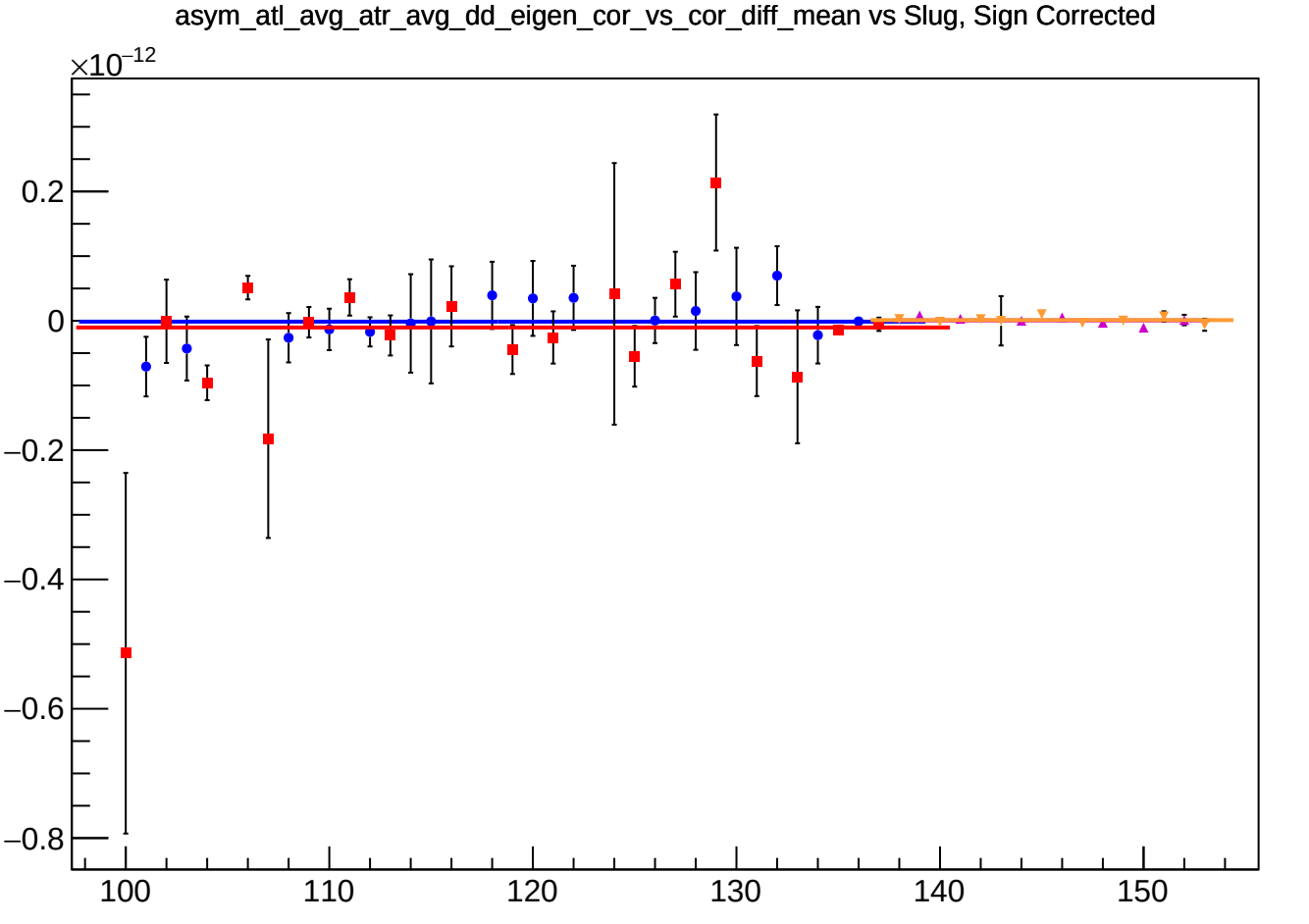
Left: 32.009+/-0.007 χ^2/NDF: 2700995.7/15

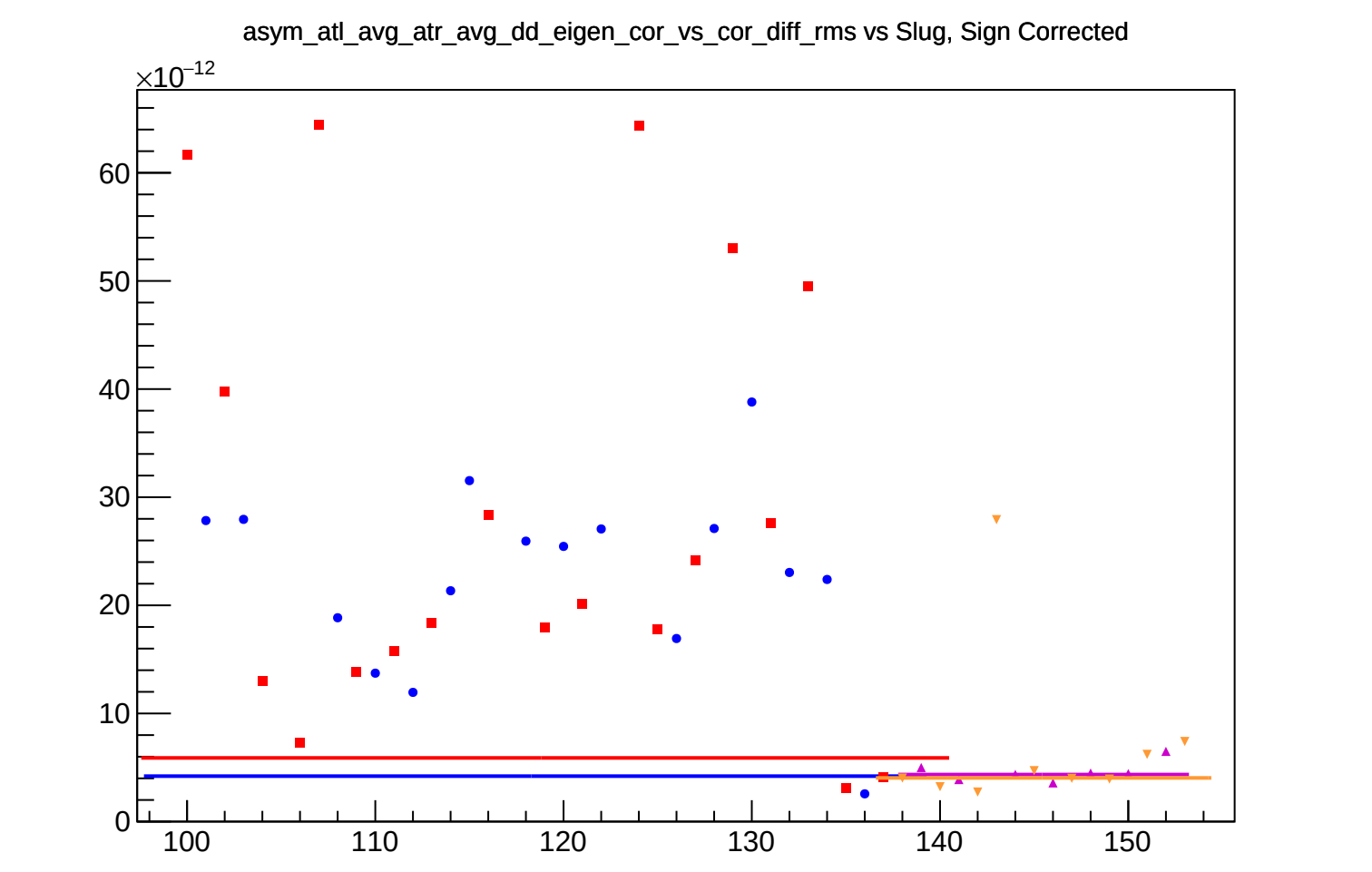
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.019+/-0.007 χ^2/NDF:2793215.3/22

Out: 33.002+/-0.007 χ^2/NDF:5176646.5/27

All: 33.502+/-0.005 χ^2/NDF: 7979239.8/50


asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: 0.000+/-0.000 χ²/NDF:4.4/8
Right Out: -0.000+/-0.000 χ²/NDF: 39.9/18
Left In: 0.000+/-0.000 χ²/NDF:7.3/6
Left: 0.000+/-0.000 χ²/NDF: 11.7/15
Right: -0.000+/-0.000 χ²/NDF: 51.3/34
In: 0.000+/-0.000 χ²/NDF:16.1/22
Out: -0.000+/-0.000 χ²/NDF:50.3/27
All: -0.000+/-0.000 χ²/NDF: 66.6/50



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1425255.7/8

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:232556.5/6

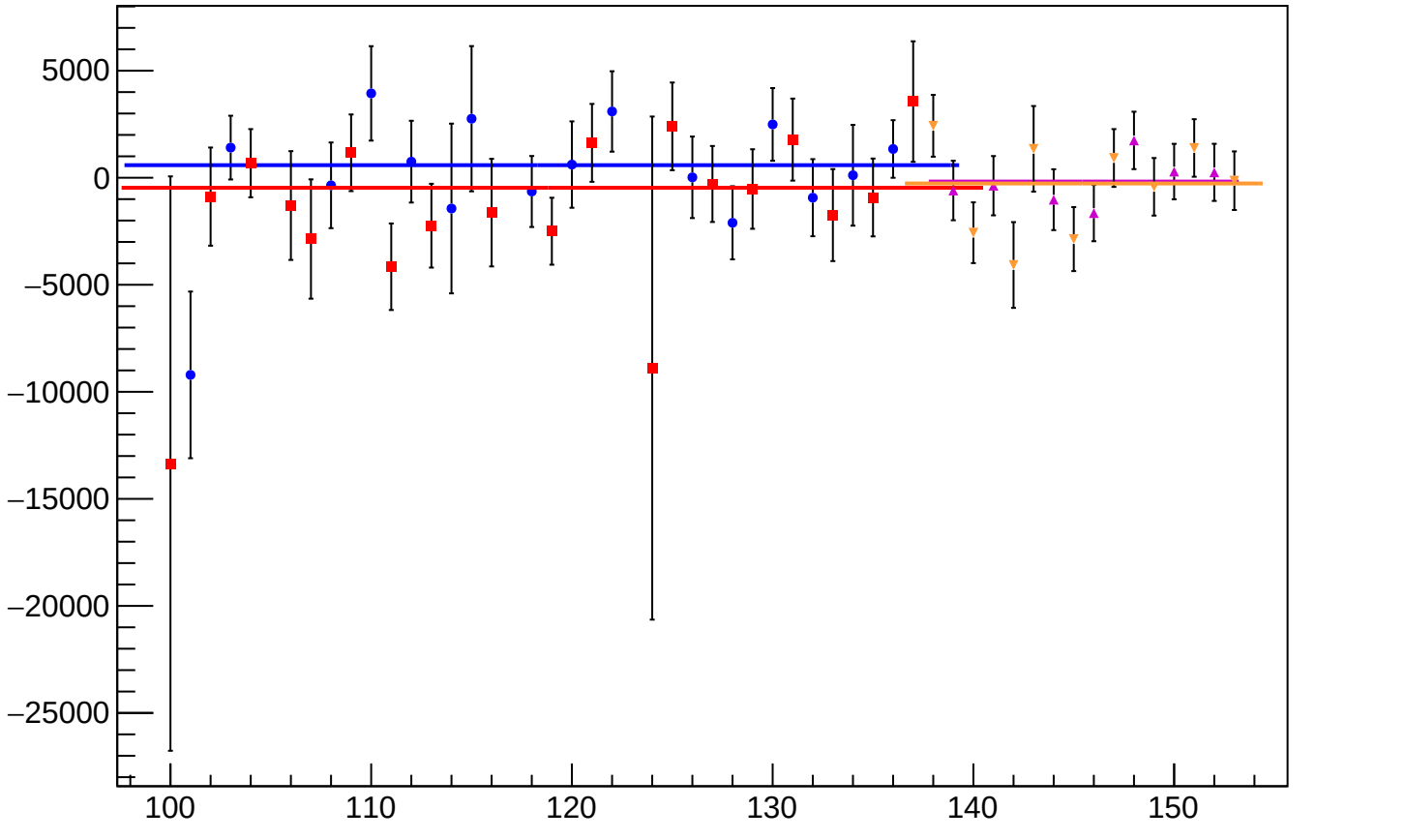
Left: 0.000+/-0.000 χ^2/NDF: 1680972.9/15

Right: 0.000+/-0.000 χ^2/NDF: 10135954.8/34

In: 0.000+/-0.000 χ^2/NDF:5315487.7/22

Out: 0.000+/-0.000 χ^2/NDF:6606935.2/27

All: 0.000+/-0.000 χ^2/NDF: 11923778.8/50



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -268.399+/-493.125 χ^2/NDF:15.7/8

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -178.905+/-511.253 χ^2/NDF:4.0/6

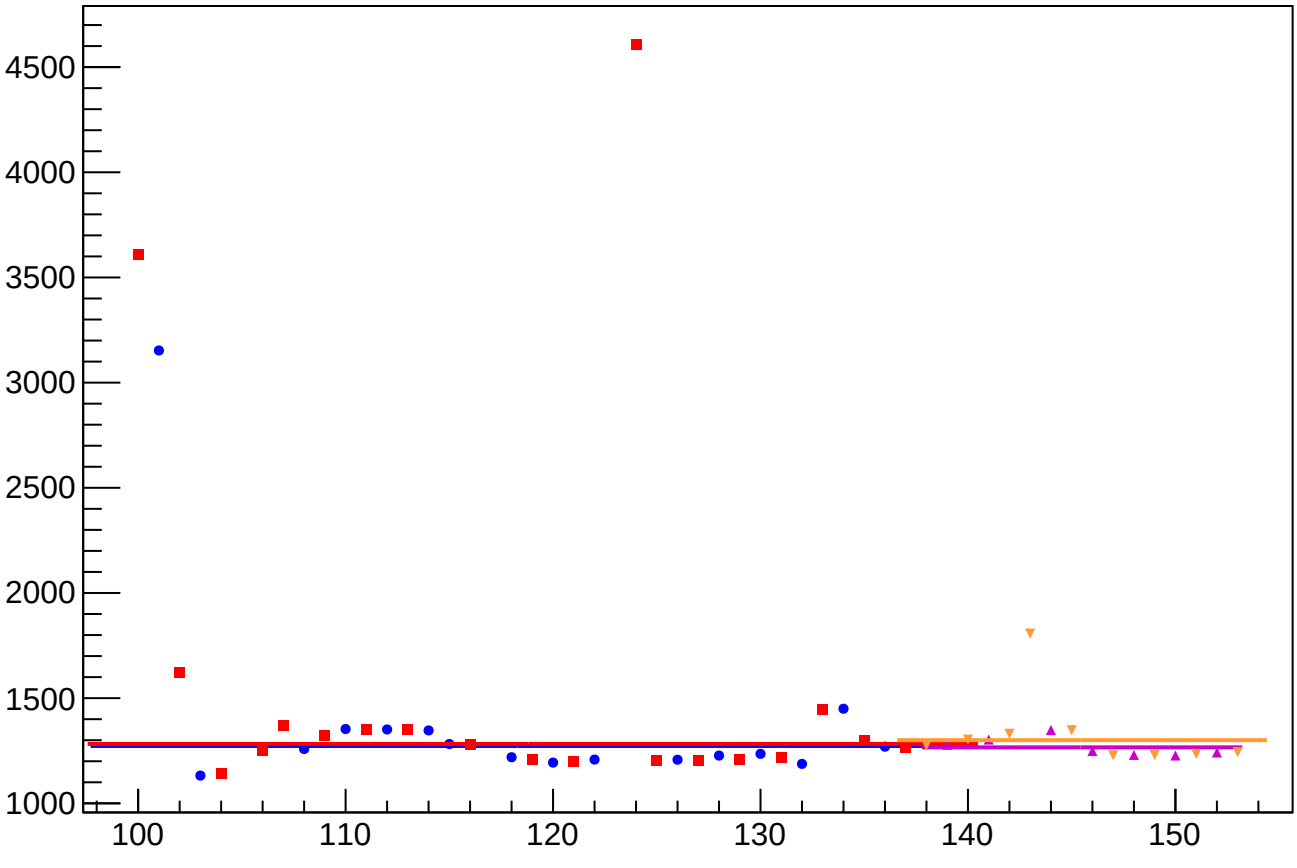
Left: -225.267+/-354.928 χ^2/NDF: 19.7/15

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 226.207+/-350.878 χ^2/NDF:22.3/22

Out: -371.304+/-344.147 χ^2/NDF:32.7/27

All: -78.334+/-245.694 χ^2/NDF: 56.4/50



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1300.196+/-0.349 χ^2/NDF:150709.7/8

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1266.109+/-0.362 χ^2/NDF:12564.9/6

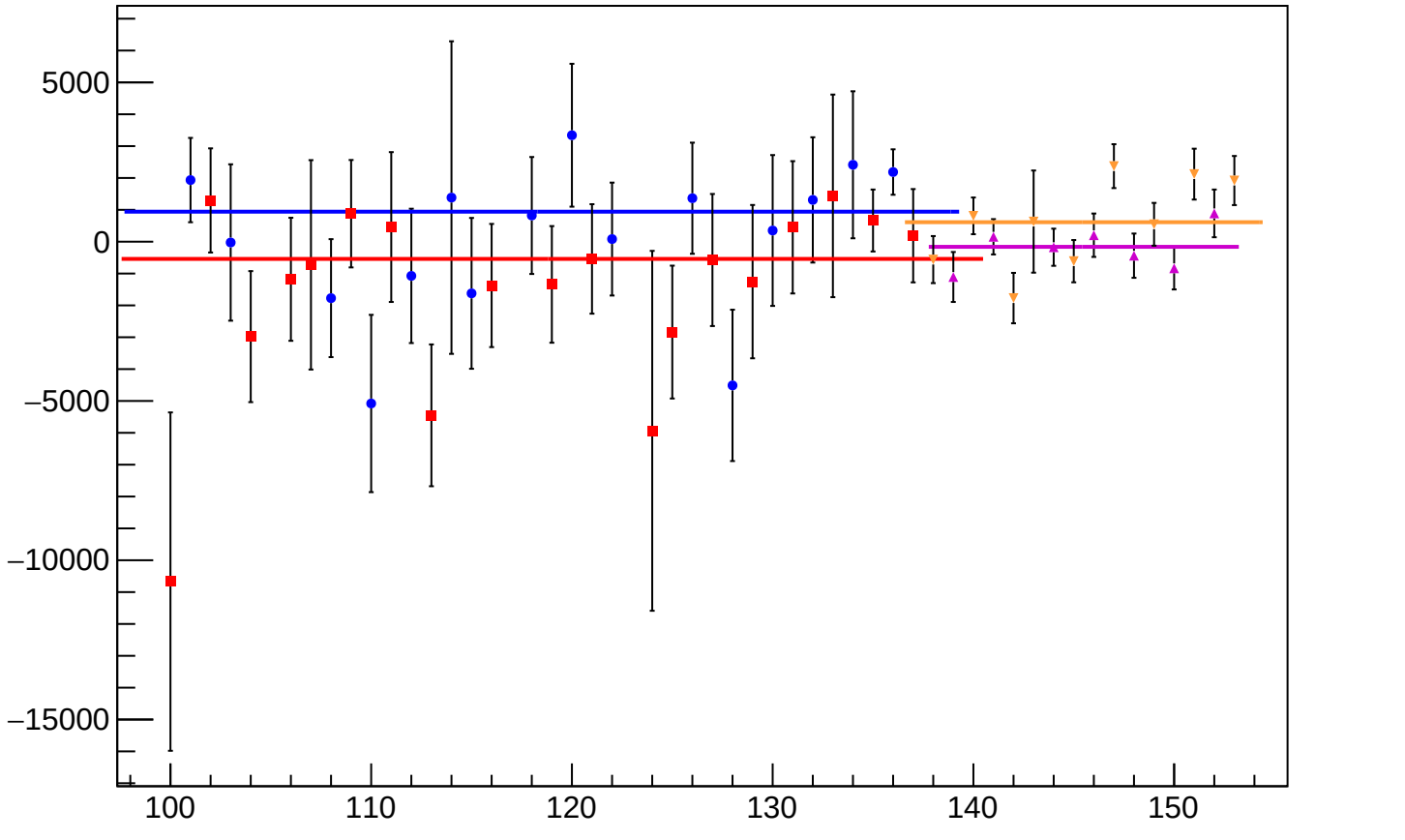
Left: 1283.768+/-0.251 χ^2/NDF: 167880.4/15

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1269.651+/-0.248 χ^2/NDF:532044.5/22

Out: 1291.050+/-0.243 χ^2/NDF:474129.7/27

All: 1280.557+/-0.174 χ^2/NDF: 1009965.6/50



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 611.956+/-244.878 χ^2/NDF:28.1/8

Right Out: -540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: -161.627+/-249.140 χ^2/NDF:5.2/6

Left: 231.839+/-174.642 χ^2/NDF: 38.2/15

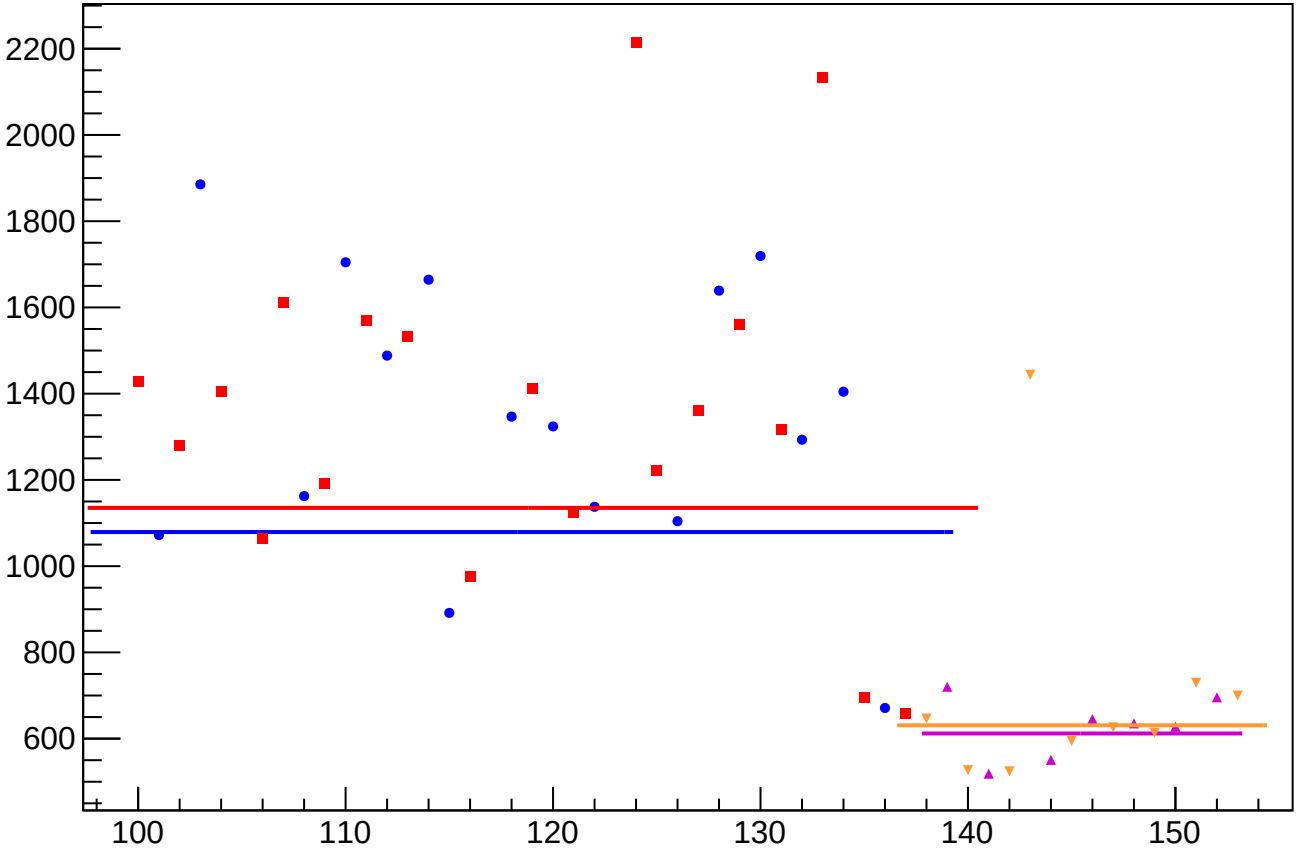
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: 119.745+/-215.040 χ^2/NDF:30.1/22

Out: 339.295+/-213.961 χ^2/NDF:50.5/27

All: 230.072+/-151.674 χ^2/NDF: 81.2/50

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 630.898+/-0.173 χ^2/NDF:670668.8/8

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 611.959+/-0.176 χ^2/NDF:150058.6/6

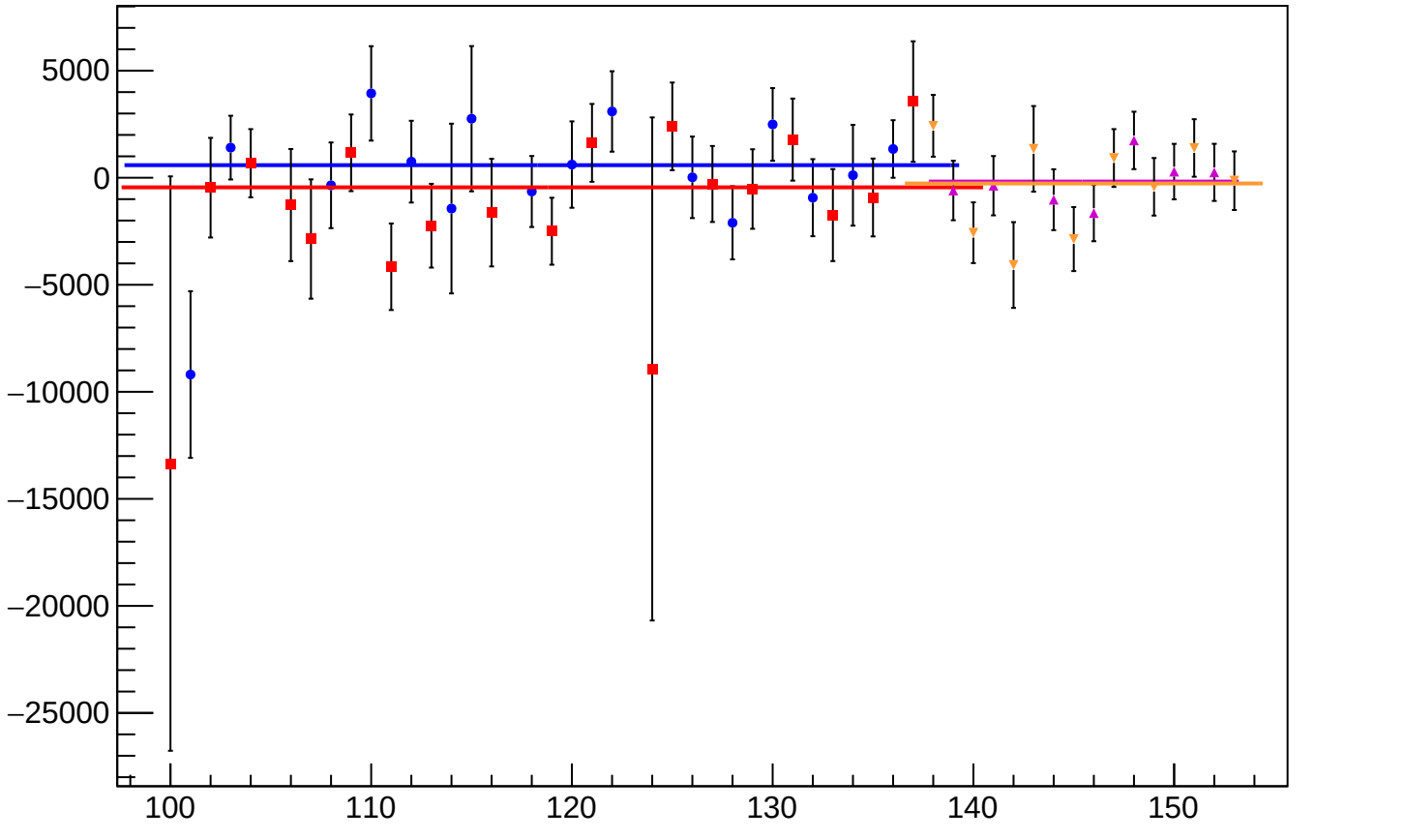
Left: 621.592+/-0.123 χ^2/NDF: 826605.8/15

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 731.088+/-0.152 χ^2/NDF:3425490.7/22

Out: 750.190+/-0.151 χ^2/NDF:3970060.7/27

All: 740.687+/-0.107 χ^2/NDF: 7403481.2/50



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -268.497+/-493.125 χ^2/NDF:15.7/8

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -178.935+/-511.253 χ^2/NDF:4.0/6

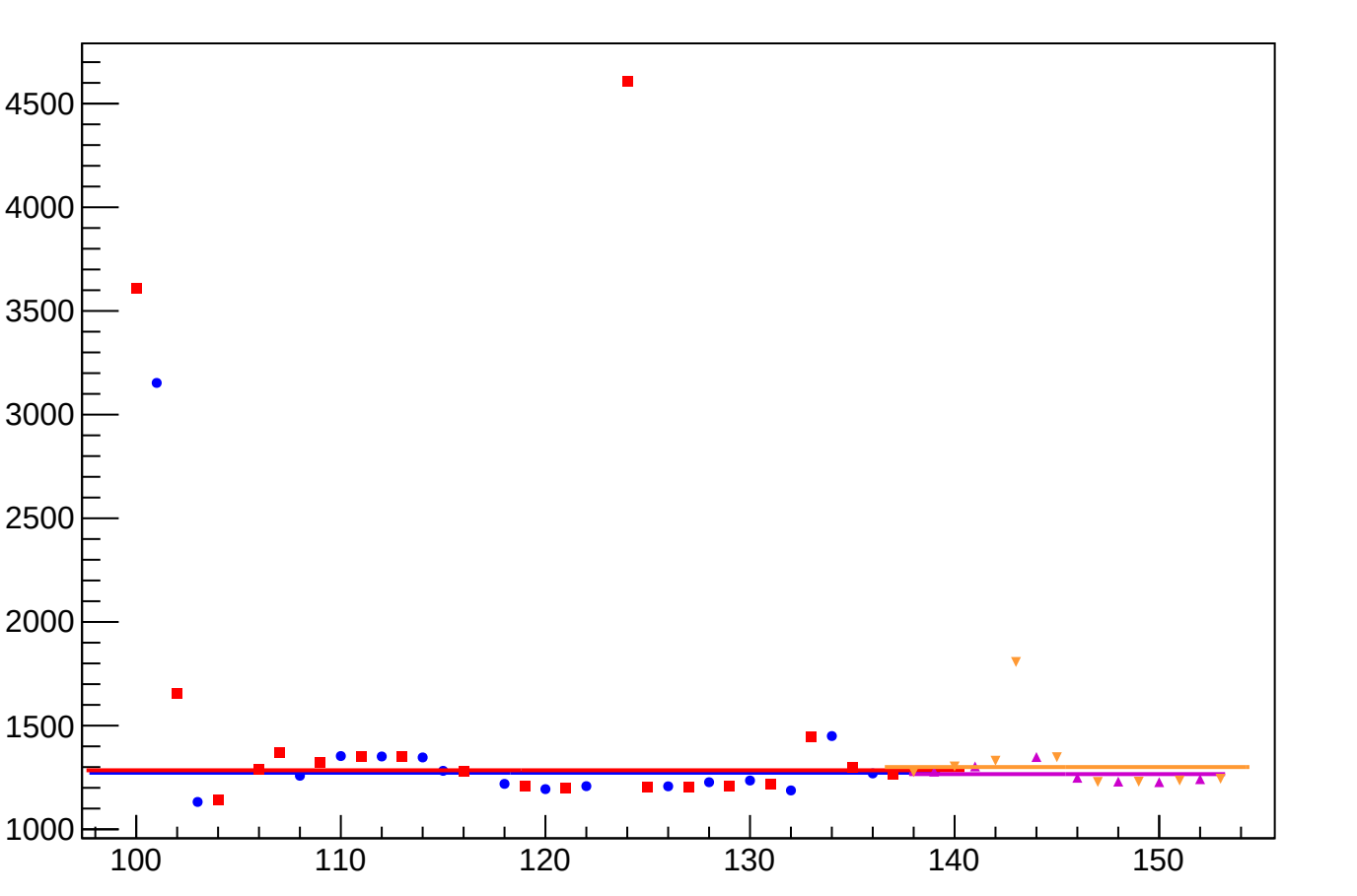
Left: -225.332+/-354.928 χ^2/NDF: 19.7/15

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 226.362+/-350.878 χ^2/NDF:22.2/22

Out: -360.632+/-344.447 χ^2/NDF:32.6/27

All: -72.563+/-245.803 χ^2/NDF: 56.3/50



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1300.196+/-0.349 χ^2/NDF:150709.7/8

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1266.109+/-0.362 χ^2/NDF:12564.9/6

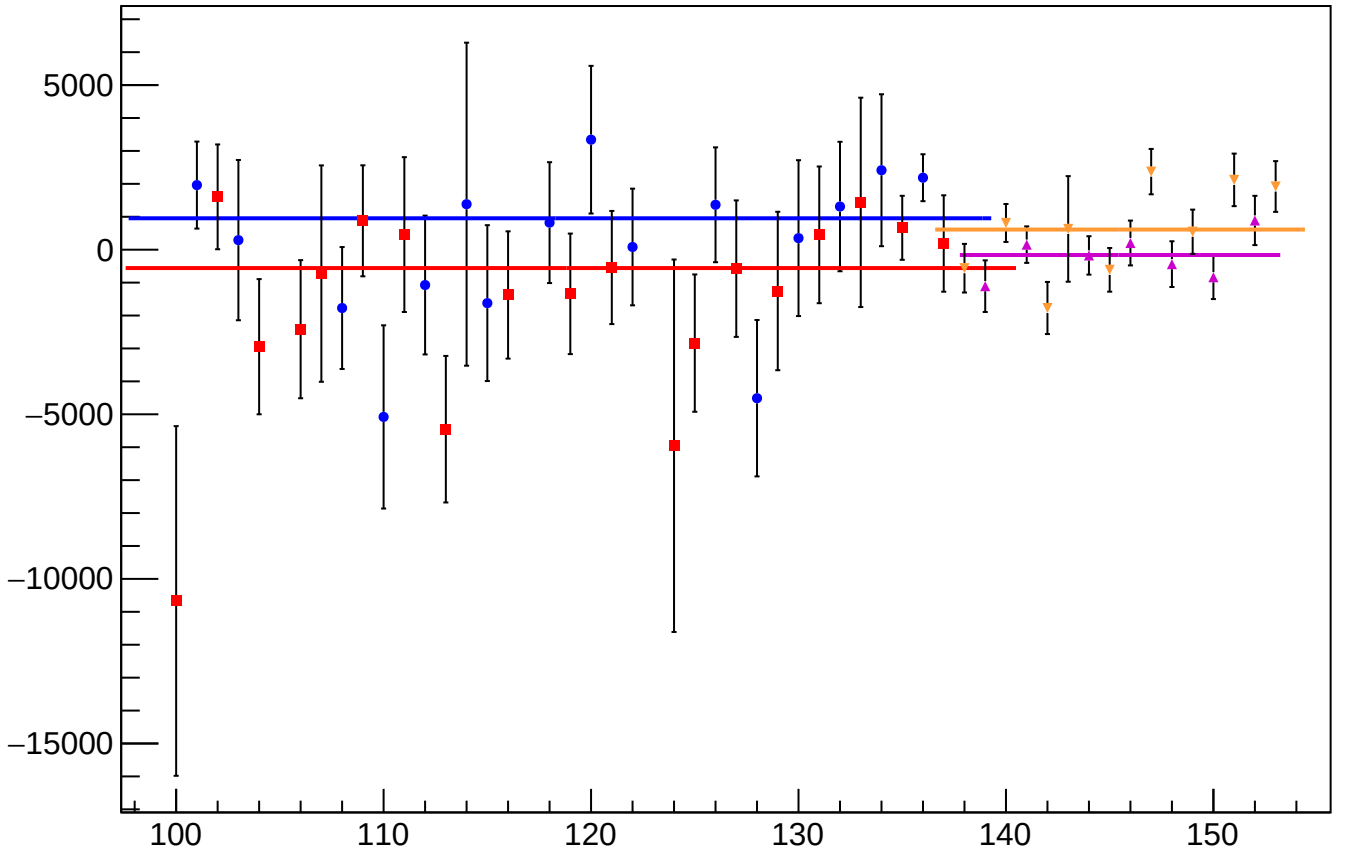
Left: 1283.768+/-0.251 χ^2/NDF: 167880.4/15

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1269.651+/-0.248 χ^2/NDF:532045.9/22

Out: 1292.237+/-0.244 χ^2/NDF:480462.0/27

All: 1281.153+/-0.174 χ^2/NDF: 1016728.2/50



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 611.945+/-244.881 χ^2/NDF:28.1/8

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -161.691+/-249.138 χ^2/NDF:5.2/6

Left: 231.793+/-174.643 χ^2/NDF: 38.2/15

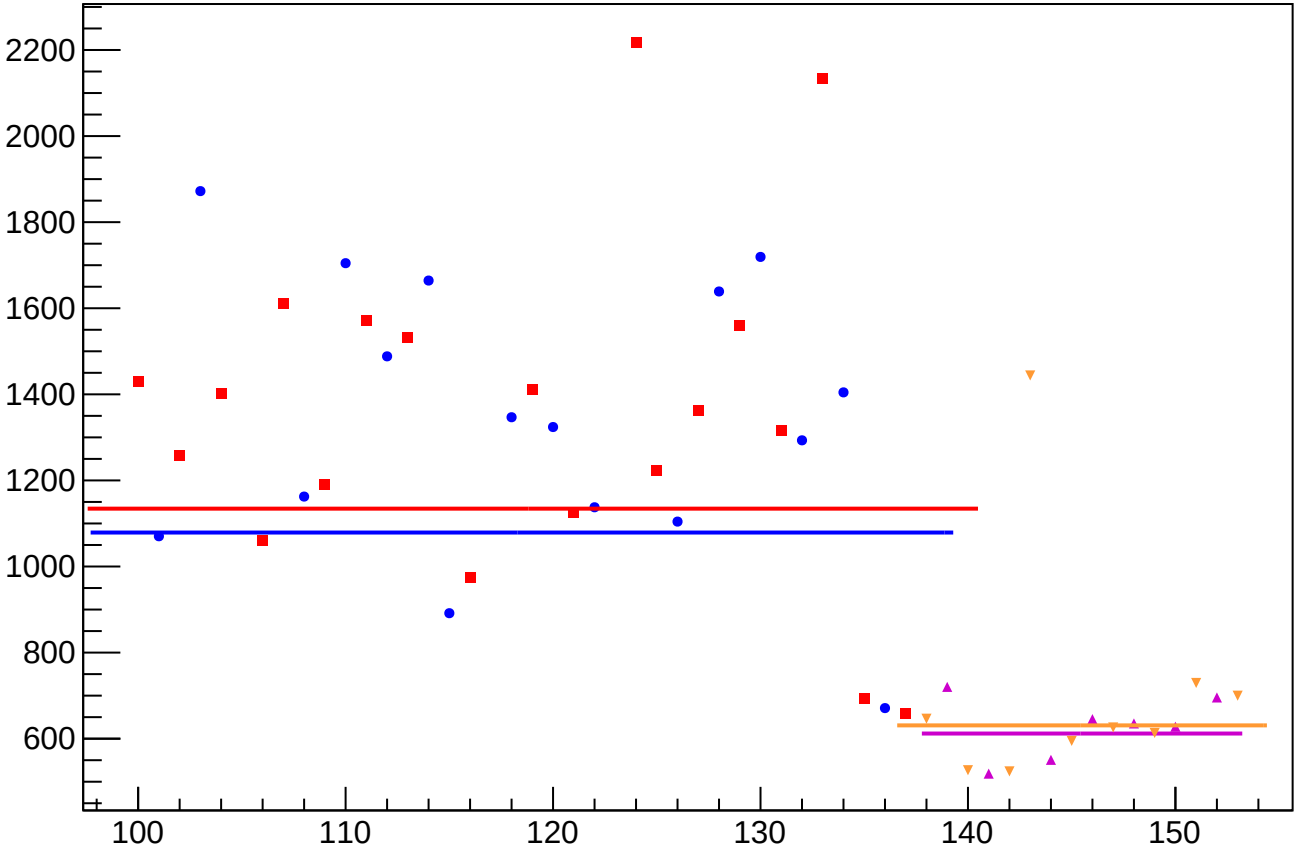
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 123.028+/-215.016 χ^2/NDF:30.2/22

Out: 336.003+/-214.061 χ^2/NDF:51.9/27

All: 229.989+/-151.701 χ^2/NDF: 82.6/50

asym_atl_dd_atr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 630.907+/-0.173 χ^2/NDF:670590.6/8

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 611.952+/-0.176 χ^2/NDF:150074.9/6

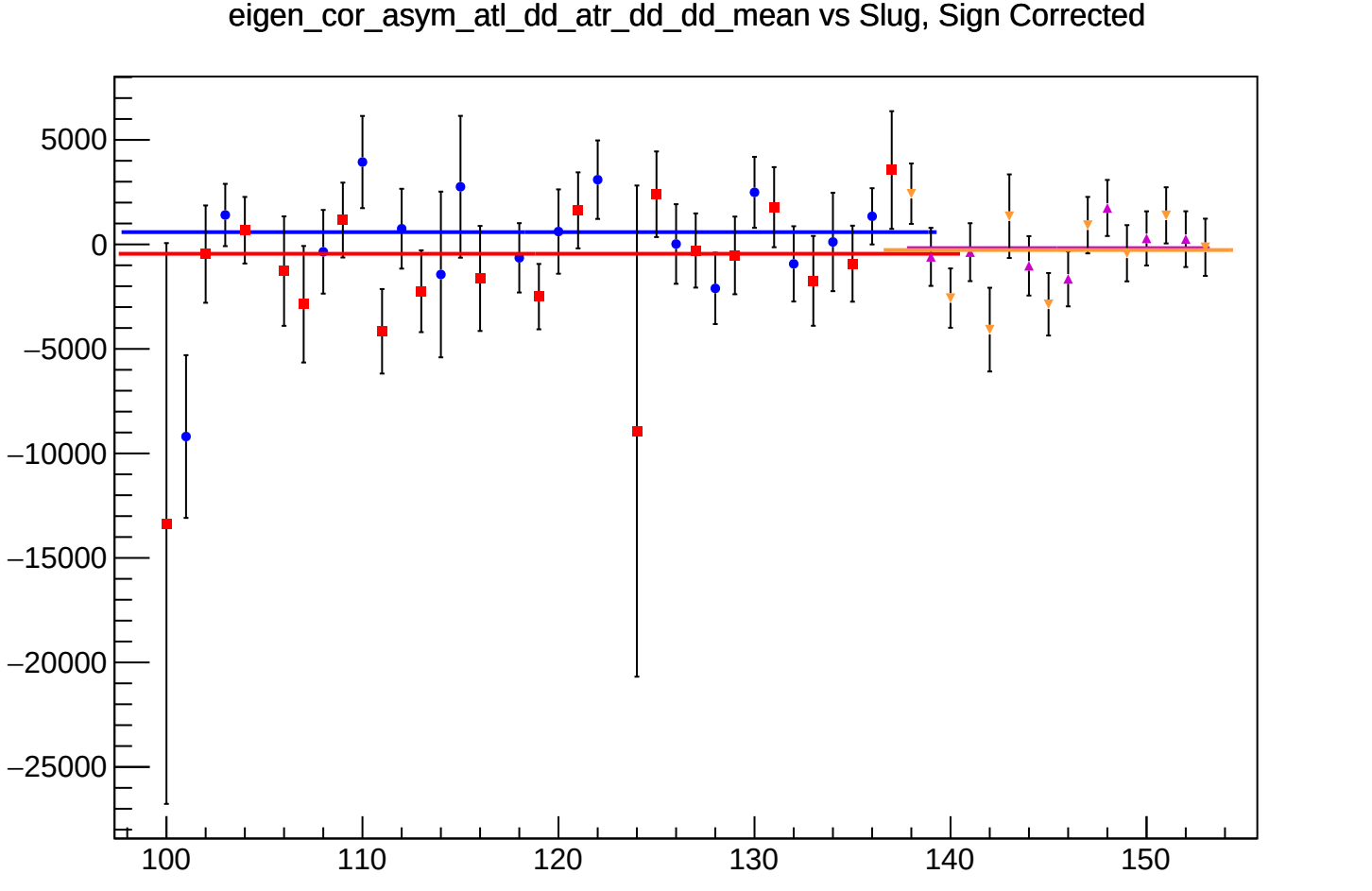
Left: 621.593+/-0.123 χ^2/NDF: 826553.6/15

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 731.107+/-0.152 χ^2/NDF:3421716.4/22

Out: 749.674+/-0.151 χ^2/NDF:3953974.2/27

All: 740.432+/-0.107 χ^2/NDF: 7383179.6/50



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -268.497+/-493.125 χ^2/NDF:15.7/8

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -178.935+/-511.253 χ^2/NDF:4.0/6

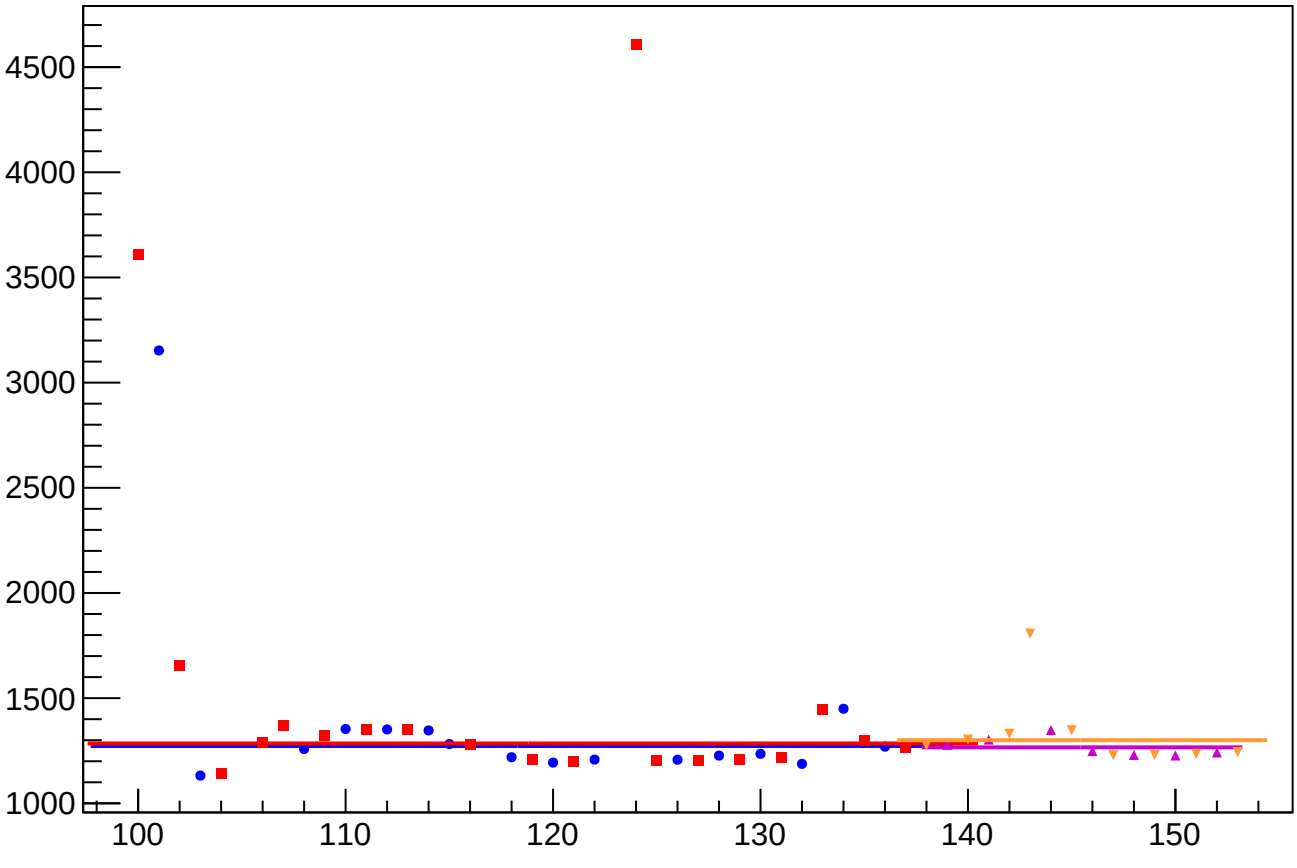
Left: -225.332+/-354.928 χ^2/NDF: 19.7/15

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 226.362+/-350.878 χ^2/NDF:22.2/22

Out: -360.632+/-344.447 χ^2/NDF:32.6/27

All: -72.563+/-245.803 χ^2/NDF: 56.3/50



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1300.196+/-0.349 χ^2/NDF:150709.7/8

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1266.109+/-0.362 χ^2/NDF:12564.9/6

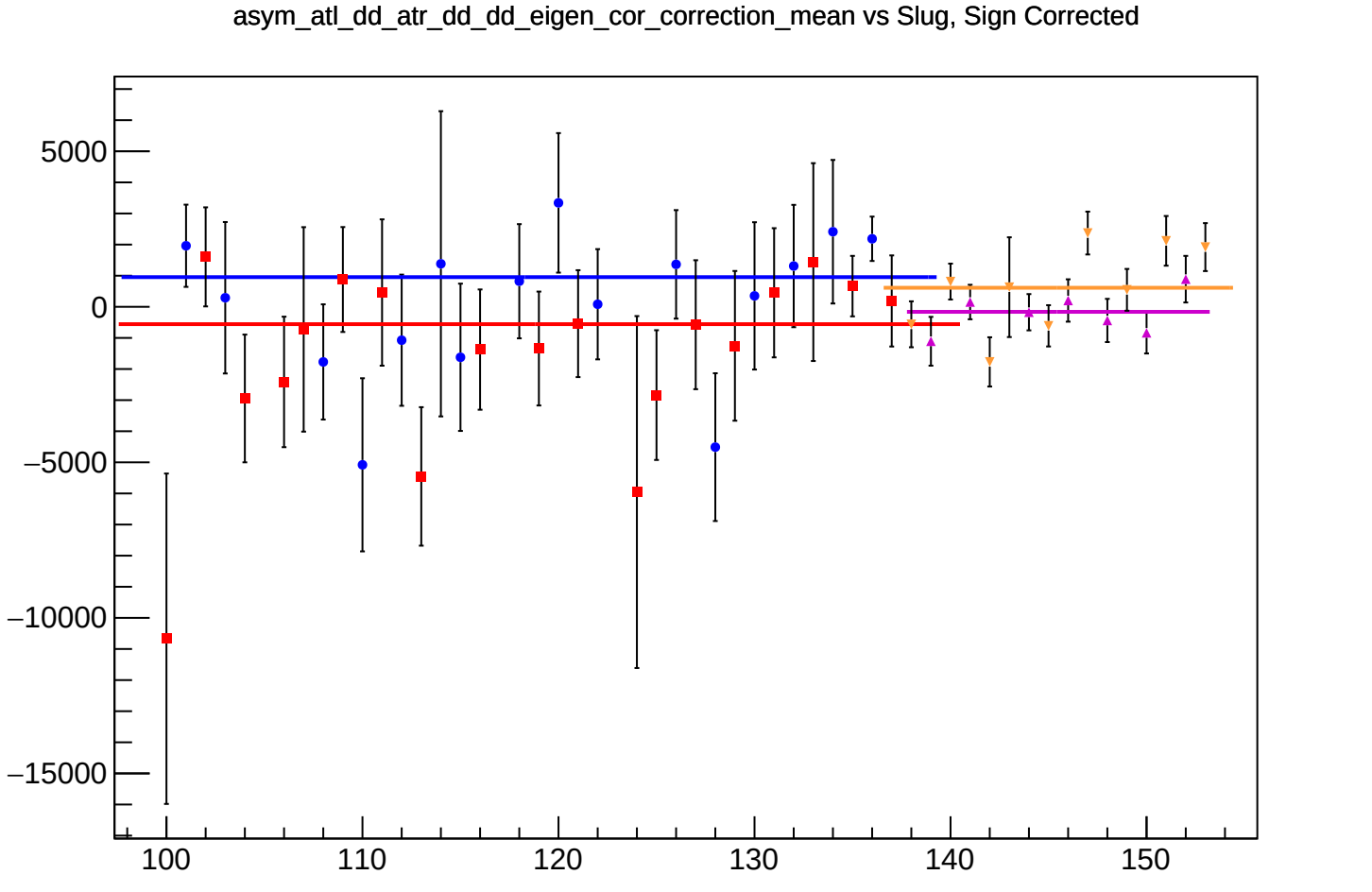
Left: 1283.768+/-0.251 χ^2/NDF: 167880.4/15

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1269.651+/-0.248 χ^2/NDF:532045.9/22

Out: 1292.237+/-0.244 χ^2/NDF:480462.0/27

All: 1281.153+/-0.174 χ^2/NDF: 1016728.2/50



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 611.945+/-244.881 χ^2/NDF:28.1/8

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -161.691+/-249.138 χ^2/NDF:5.2/6

Left: 231.793+/-174.643 χ^2/NDF: 38.2/15

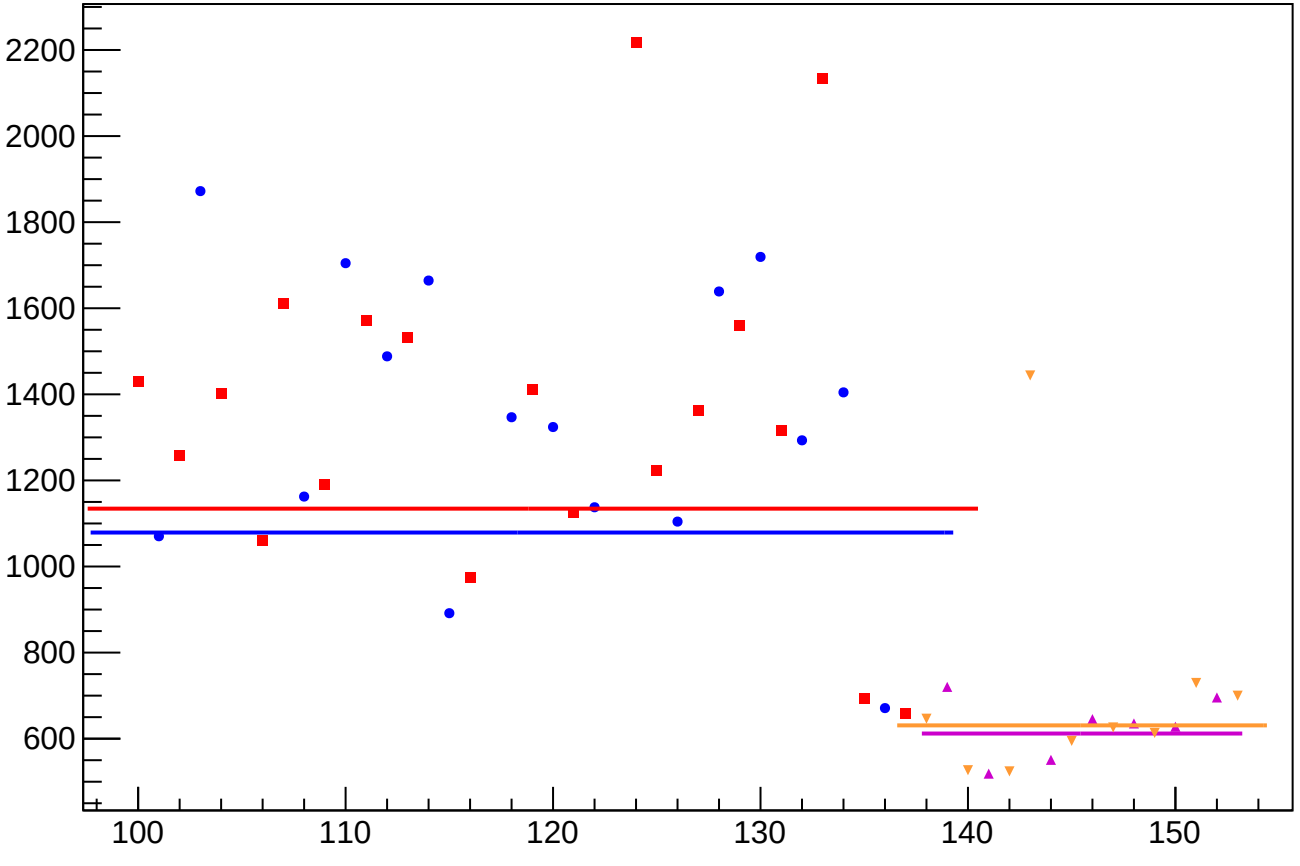
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 123.028+/-215.016 χ^2/NDF:30.2/22

Out: 336.003+/-214.061 χ^2/NDF:51.9/27

All: 229.989+/-151.701 χ^2/NDF: 82.6/50

asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 630.907+/-0.173 χ^2/NDF:670590.6/8

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 611.952+/-0.176 χ^2/NDF:150074.9/6

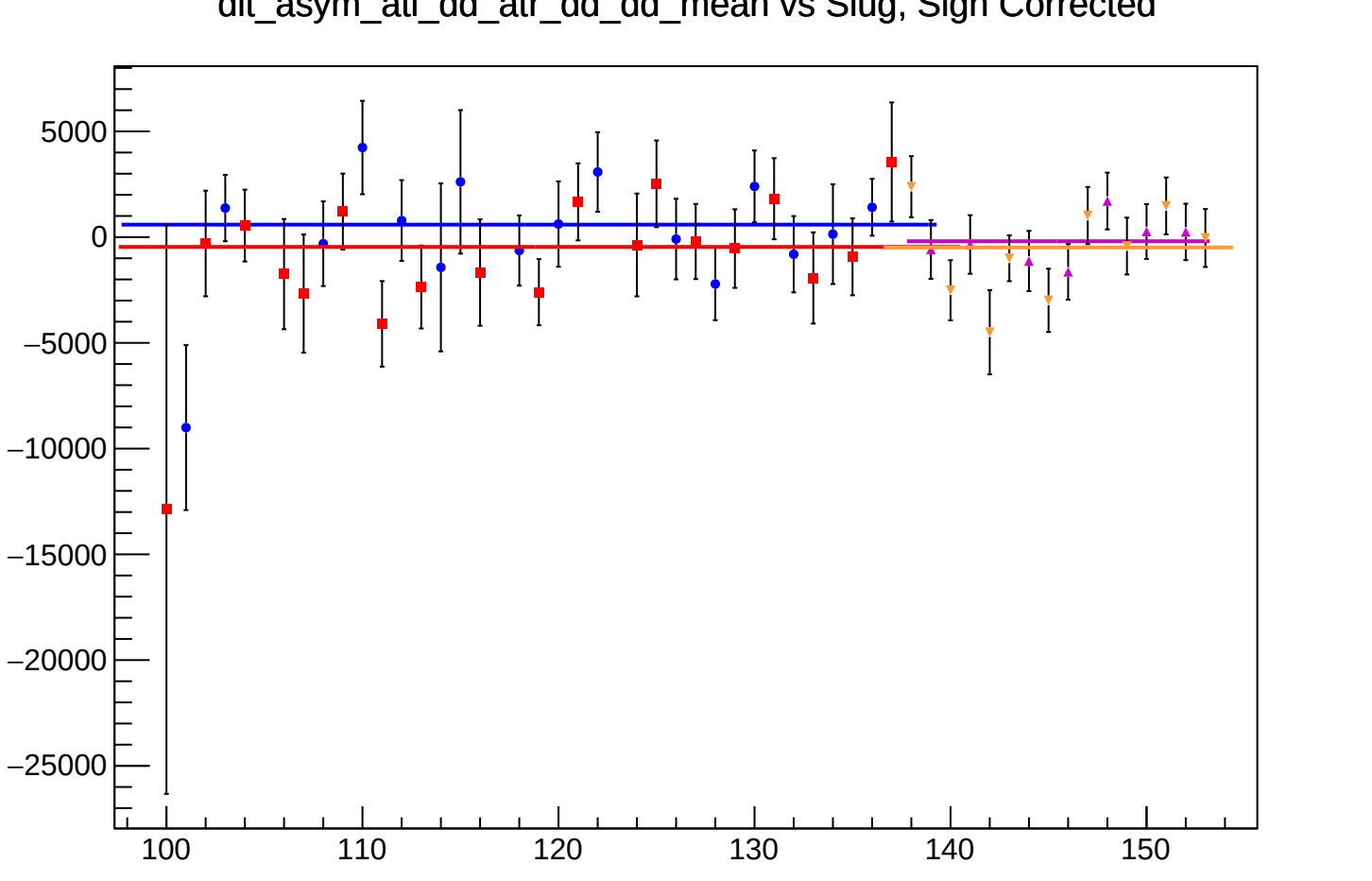
Left: 621.593+/-0.123 χ^2/NDF: 826553.6/15

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 731.107+/-0.152 χ^2/NDF:3421716.4/22

Out: 749.674+/-0.151 χ^2/NDF:3953974.2/27

All: 740.432+/-0.107 χ^2/NDF: 7383179.6/50



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -487.696+/-460.769 χ^2/NDF:16.5/8

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -194.734+/-511.646 χ^2/NDF:4.0/6

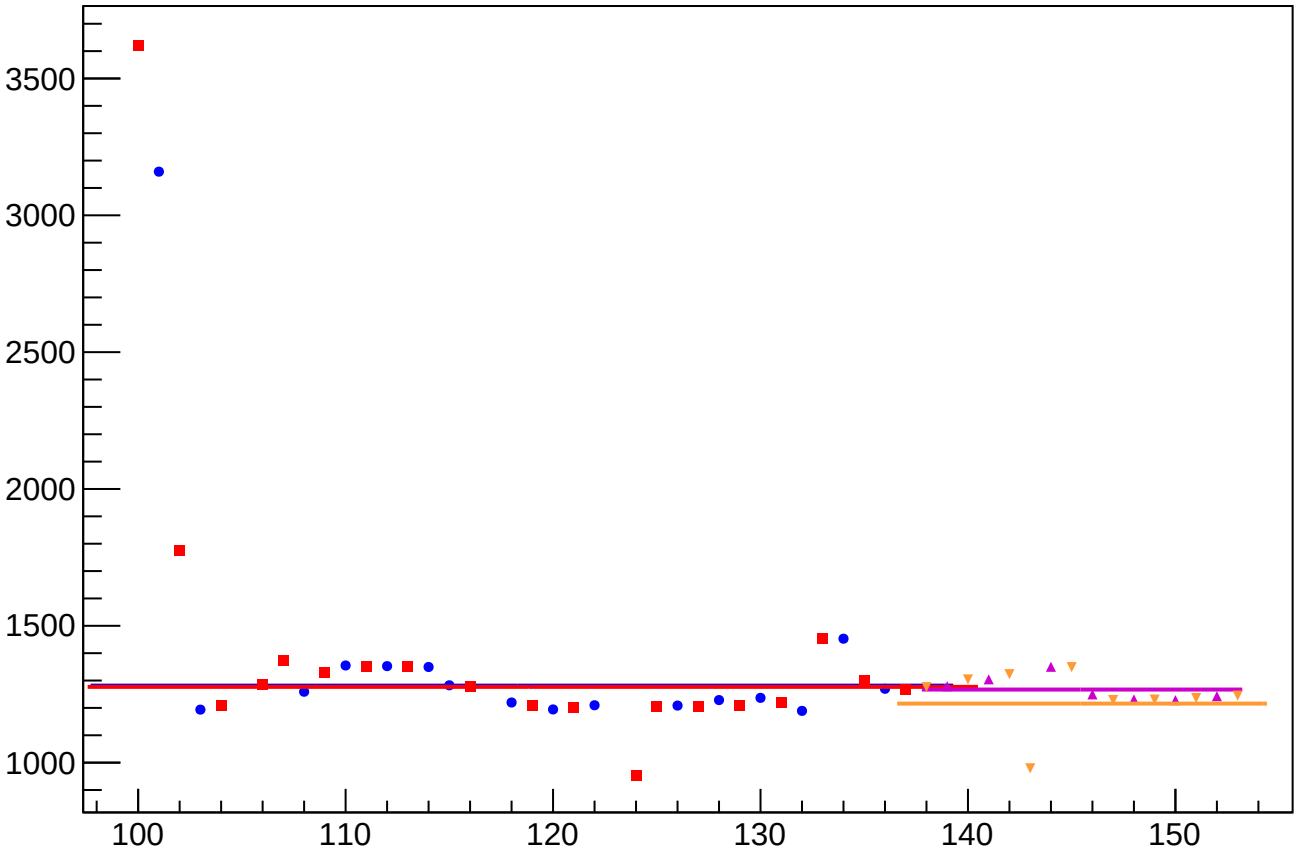
Left: -356.501+/-342.391 χ^2/NDF: 20.7/15

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 218.379+/-352.174 χ^2/NDF:22.3/22

Out: -475.580+/-331.334 χ^2/NDF:33.2/27

All: -149.740+/-241.320 χ^2/NDF: 57.6/50



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1215.719+/-0.326 χ^2/NDF:129857.9/8

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1267.073+/-0.362 χ^2/NDF:12704.6/6

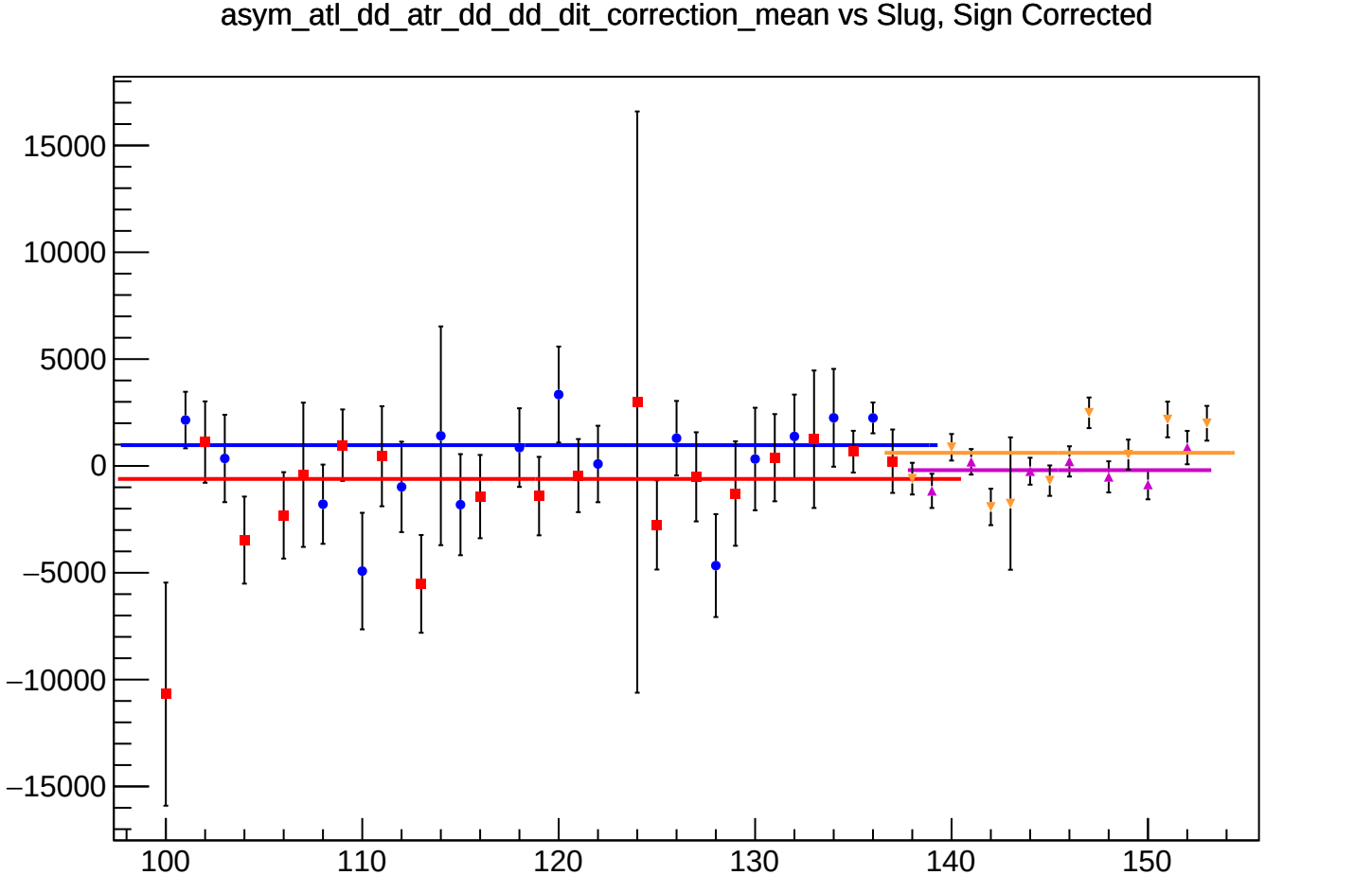
Left: 1238.716+/-0.242 χ^2/NDF: 153688.1/15

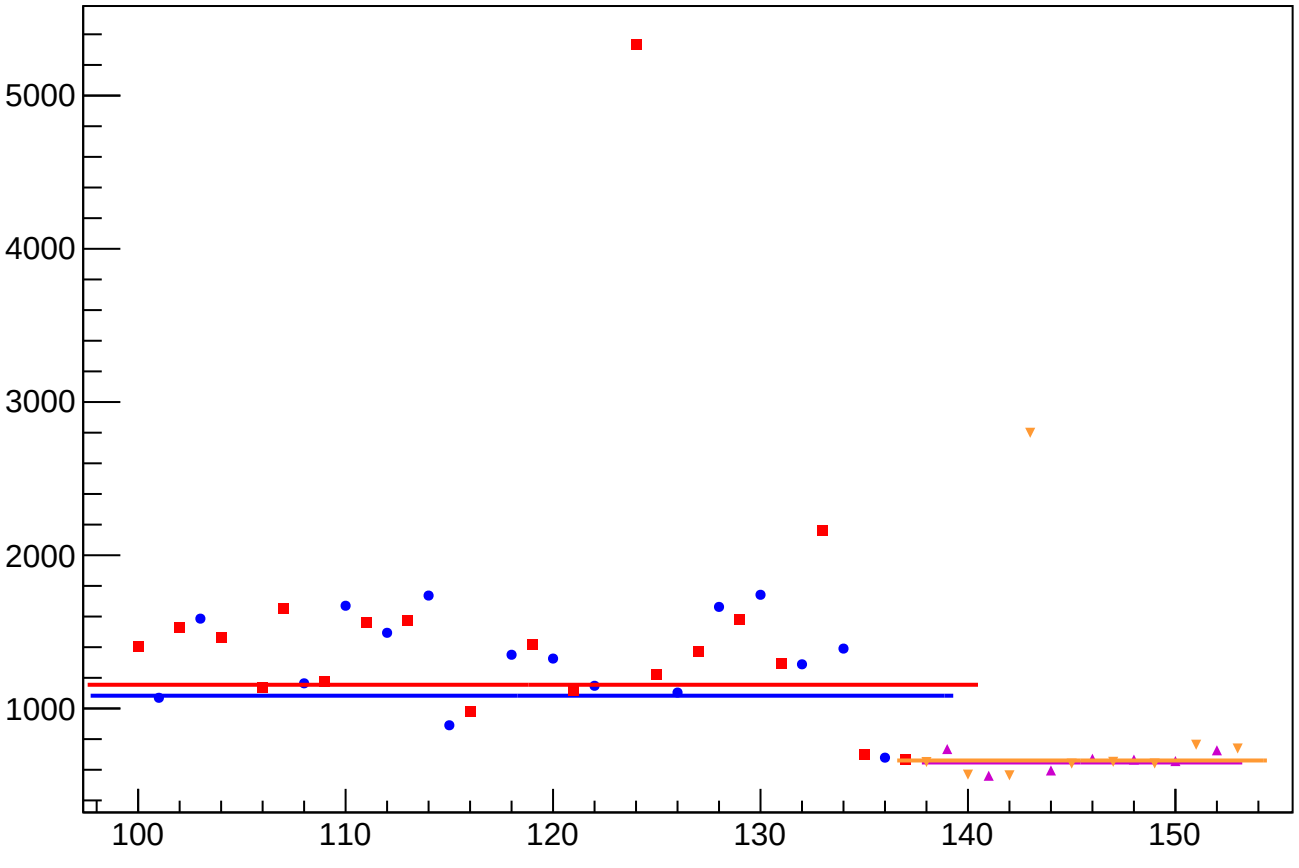
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1274.596+/-0.249 χ^2/NDF:520604.7/22

Out: 1245.245+/-0.234 χ^2/NDF:367377.6/27

All: 1259.026+/-0.171 χ^2/NDF: 895351.4/50


asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: 972.287+/-425.219 χ²/NDF: 20.4/15
Left Out: 614.011+/-260.209 χ²/NDF:28.8/8
Right Out: -608.431+/-447.734 χ²/NDF: 17.1/18
Left In: -196.797+/-263.029 χ²/NDF:5.2/6
Left: 212.978+/-184.984 χ²/NDF: 38.8/15
Right: 222.671+/-308.328 χ²/NDF: 44.1/34
In: 126.739+/-223.692 χ²/NDF:31.1/22
Out: 305.369+/-224.974 χ²/NDF:51.5/27
All: 215.544+/-158.626 χ²/NDF: 82.9/50



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 660.585+/-0.184 χ^2/NDF:1075199.3/8

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 647.485+/-0.186 χ^2/NDF:104248.1/6

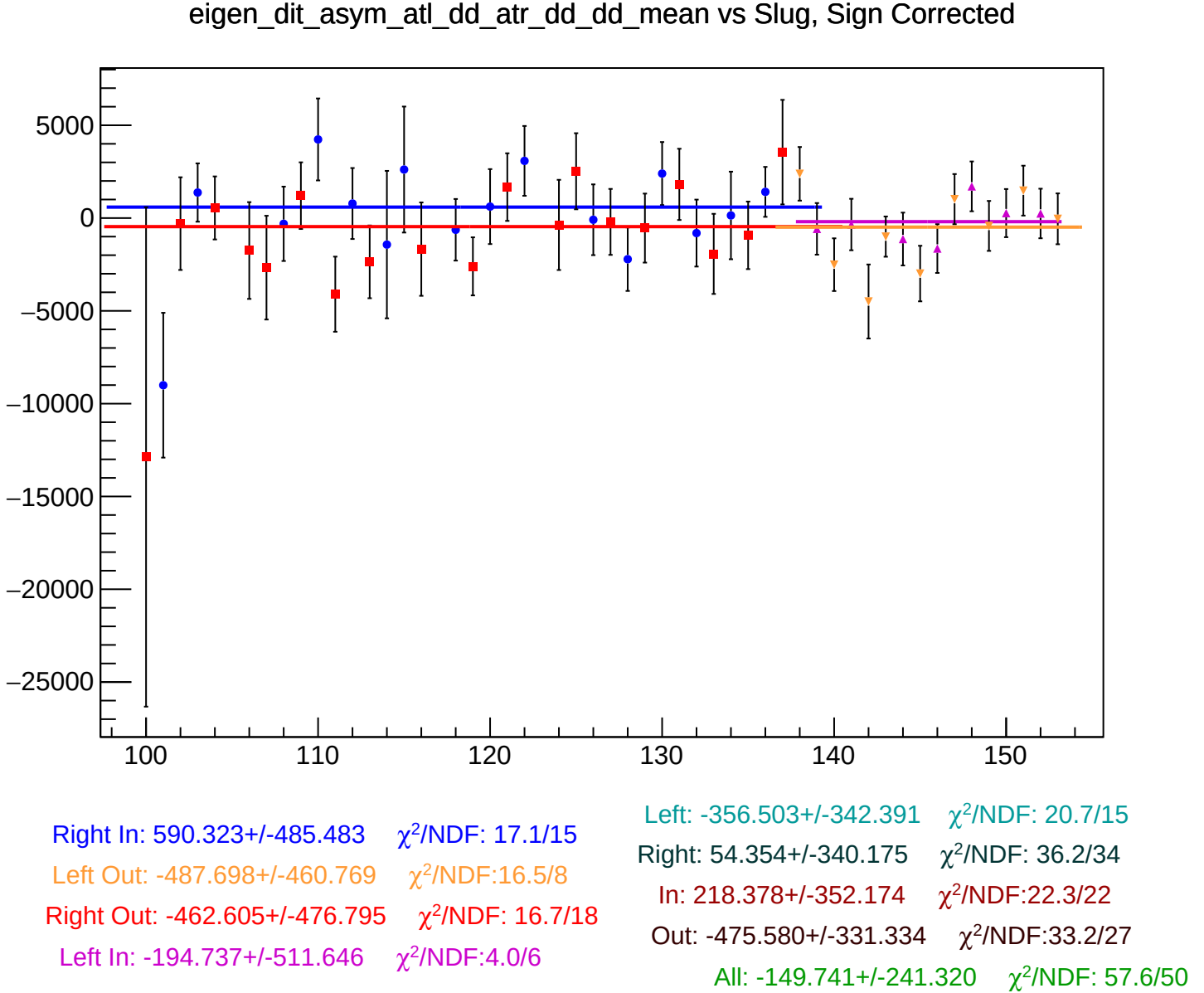
Left: 654.105+/-0.131 χ^2/NDF: 1181954.9/15

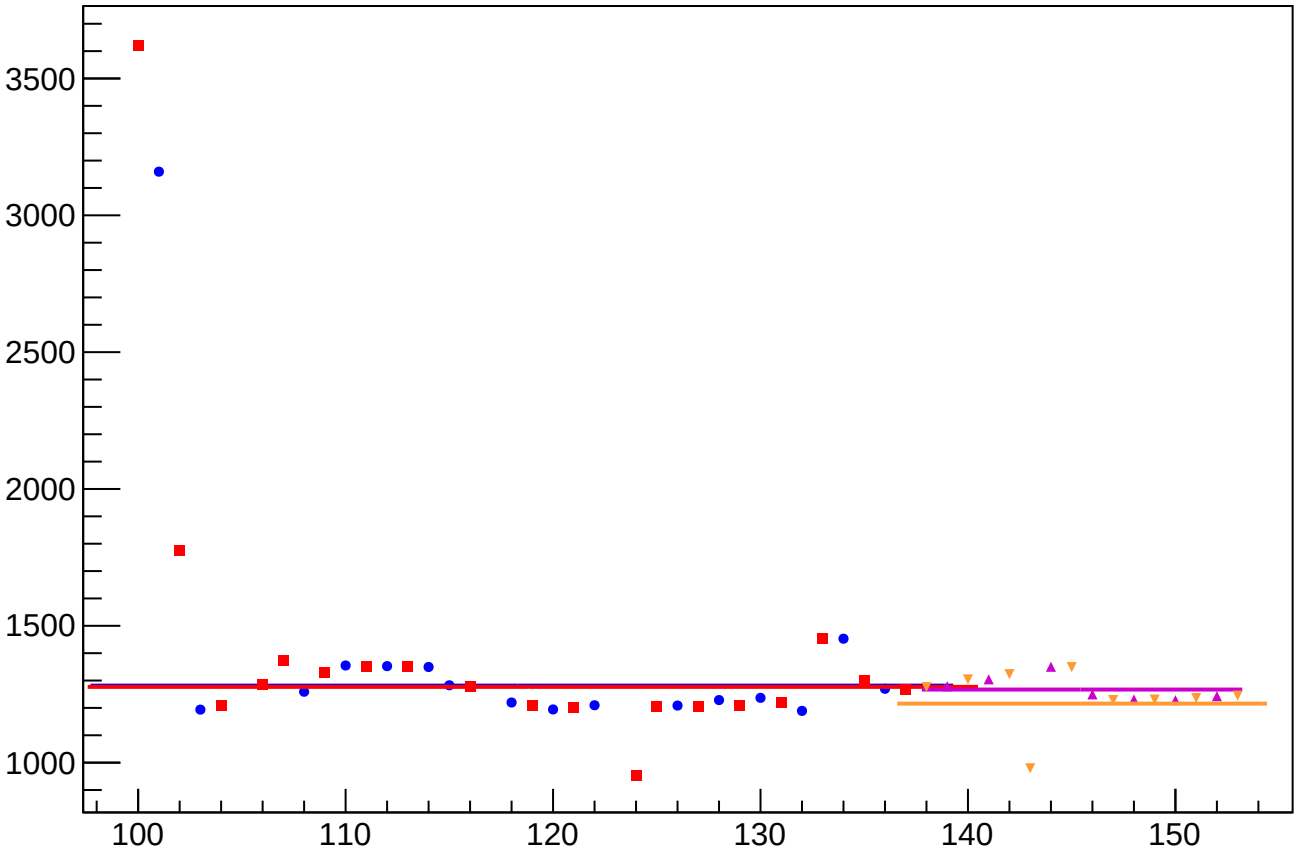
Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 768.103+/-0.158 χ^2/NDF:2984151.8/22

Out: 785.345+/-0.159 χ^2/NDF:4384510.4/27

All: 776.675+/-0.112 χ^2/NDF: 7374569.5/50


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
Right In: 590.323+/-485.483 χ²/NDF: 17.1/15
Left Out: -487.698+/-460.769 χ²/NDF:16.5/8
Right Out: -462.605+/-476.795 χ²/NDF: 16.7/18
Left In: -194.737+/-511.646 χ²/NDF:4.0/6
Left: -356.503+/-342.391 χ²/NDF: 20.7/15
Right: 54.354+/-340.175 χ²/NDF: 36.2/34
In: 218.378+/-352.174 χ²/NDF:22.3/22
Out: -475.580+/-331.334 χ²/NDF:33.2/27
All: -149.741+/-241.320 χ²/NDF: 57.6/50



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1215.719+/-0.326 χ^2/NDF:129857.3/8

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1267.073+/-0.362 χ^2/NDF:12704.7/6

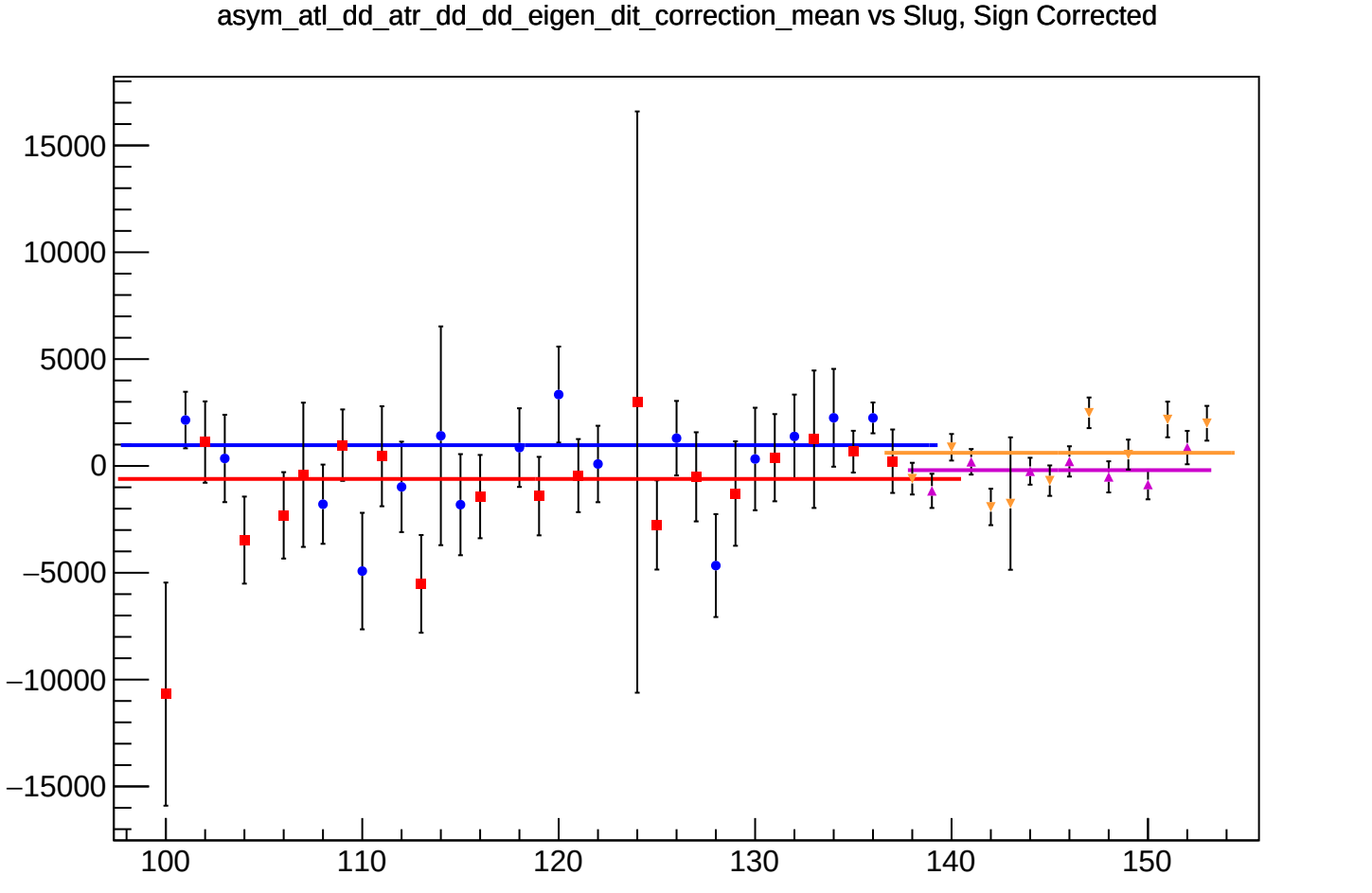
Left: 1238.716+/-0.242 χ^2/NDF: 153687.3/15

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1274.596+/-0.249 χ^2/NDF:520604.9/22

Out: 1245.245+/-0.234 χ^2/NDF:367376.6/27

All: 1259.026+/-0.171 χ^2/NDF: 895350.5/50



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 614.015+/-260.209 χ^2/NDF:28.8/8

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -196.797+/-263.029 χ^2/NDF:5.2/6

Left: 212.979+/-184.985 χ^2/NDF: 38.8/15

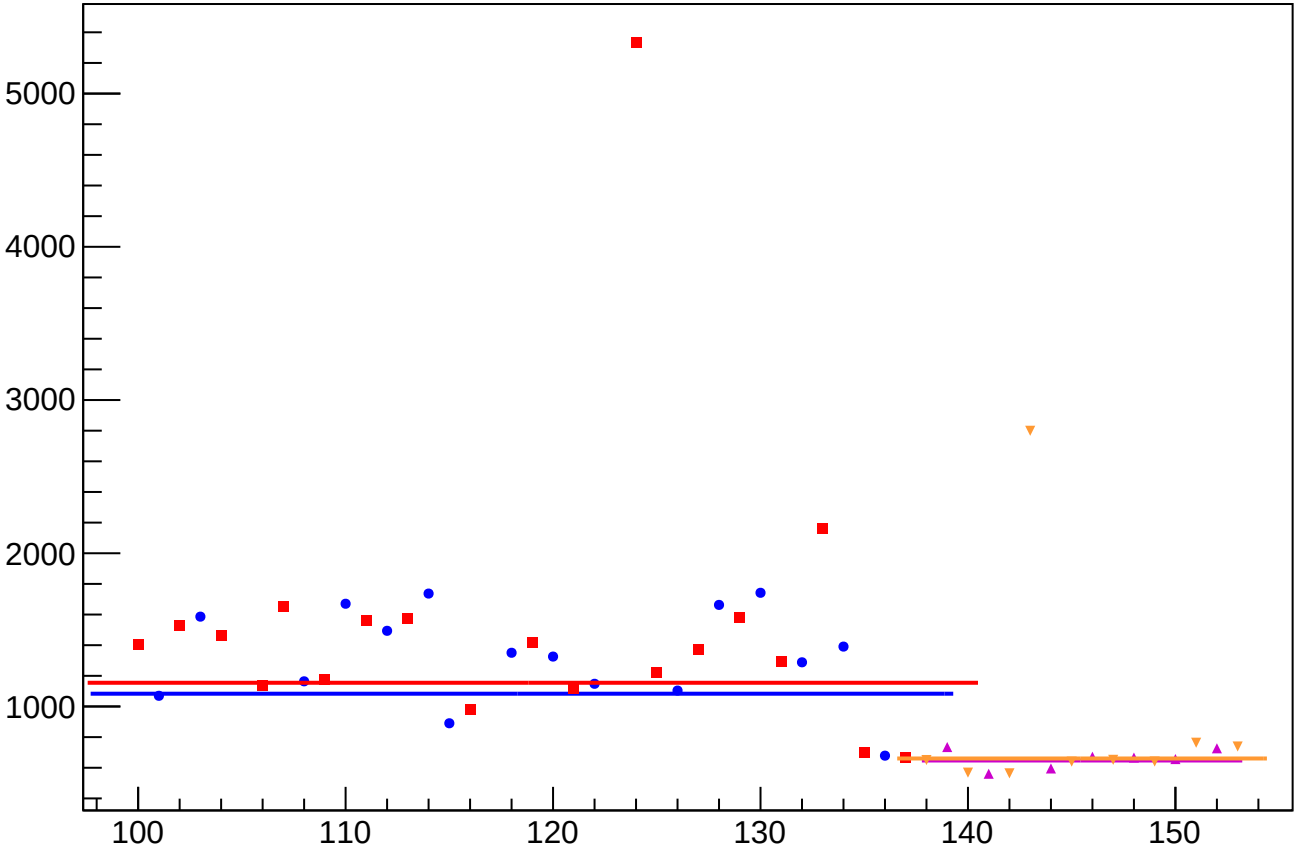
Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 126.735+/-223.692 χ^2/NDF:31.1/22

Out: 305.371+/-224.975 χ^2/NDF:51.5/27

All: 215.542+/-158.626 χ^2/NDF: 82.9/50

asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 660.587+/-0.184 χ^2/NDF:1075194.3/8

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 647.484+/-0.186 χ^2/NDF:104250.8/6

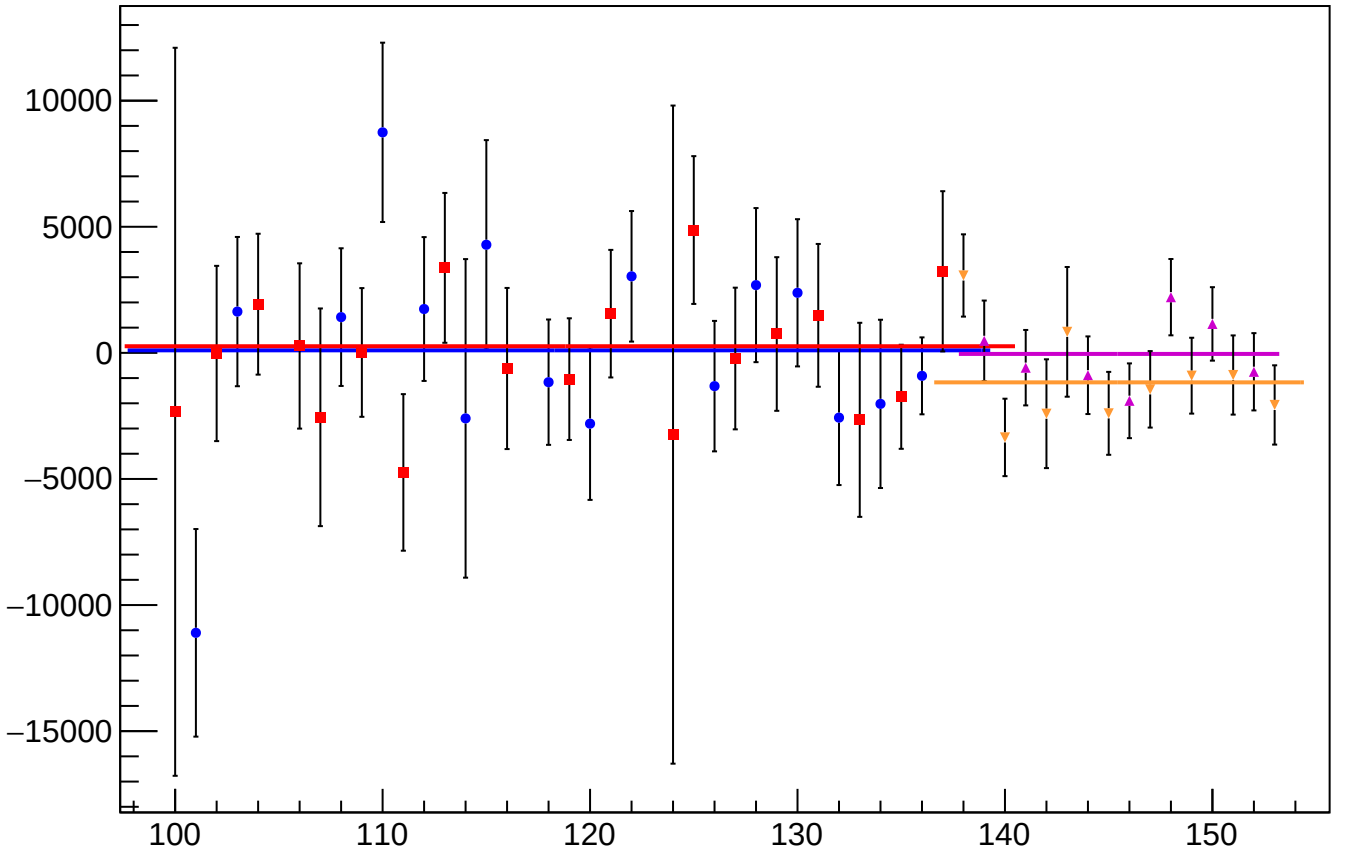
Left: 654.106+/-0.131 χ^2/NDF: 1181953.3/15

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 768.104+/-0.158 χ^2/NDF:2984136.4/22

Out: 785.348+/-0.159 χ^2/NDF:4384480.1/27

All: 776.676+/-0.112 χ^2/NDF: 7374525.2/50



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1169.693+/-557.030 χ^2/NDF:10.7/8

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: -42.131+/-572.584 χ^2/NDF:5.2/6

Left: -621.435+/-399.265 χ^2/NDF: 17.9/15

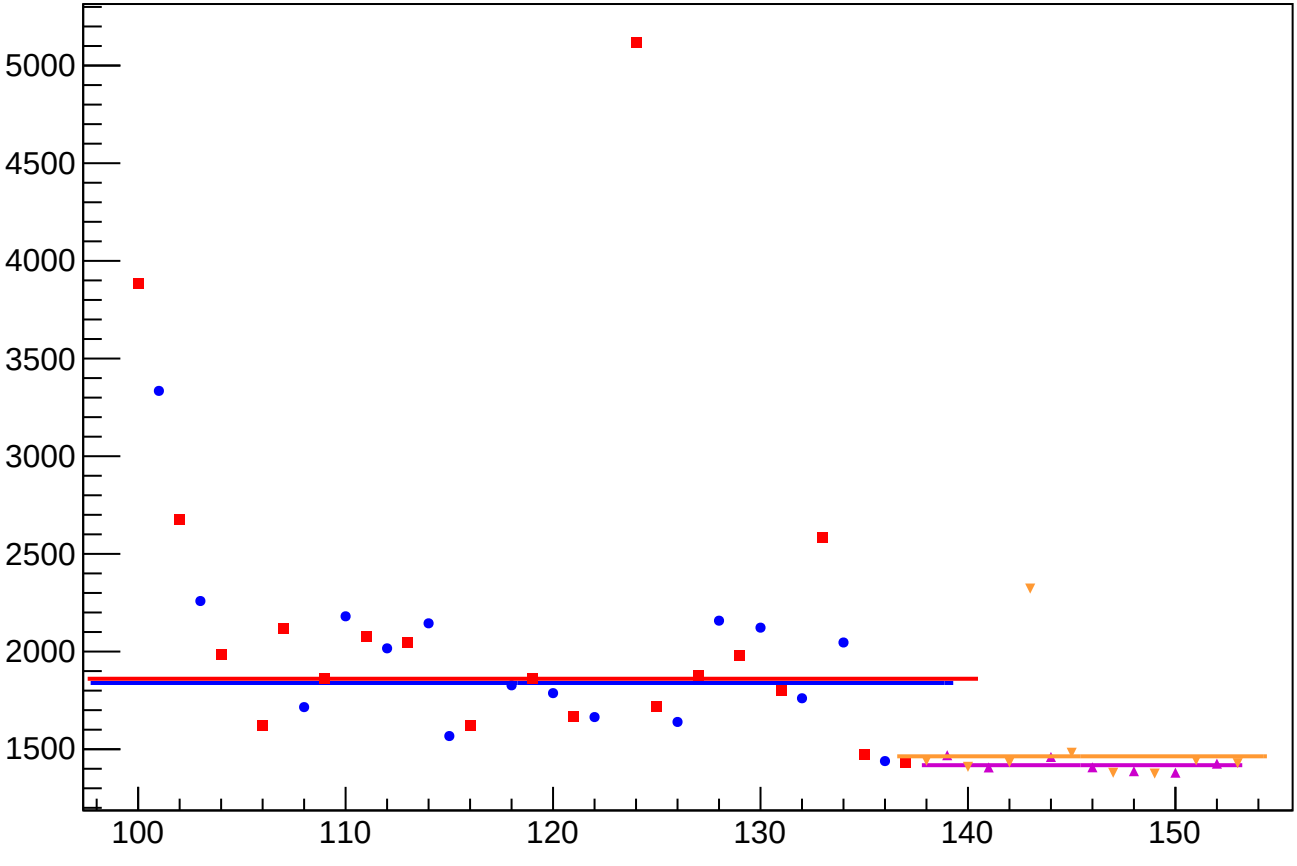
Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 15.126+/-442.942 χ^2/NDF:26.5/22

Out: -614.052+/-435.801 χ^2/NDF:23.6/27

All: -304.575+/-310.652 χ^2/NDF: 51.1/50

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1463.711+/-0.394 χ^2/NDF:240872.7/8

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1418.257+/-0.405 χ^2/NDF:6024.7/6

Left: 1441.610+/-0.282 χ^2/NDF: 253372.7/15

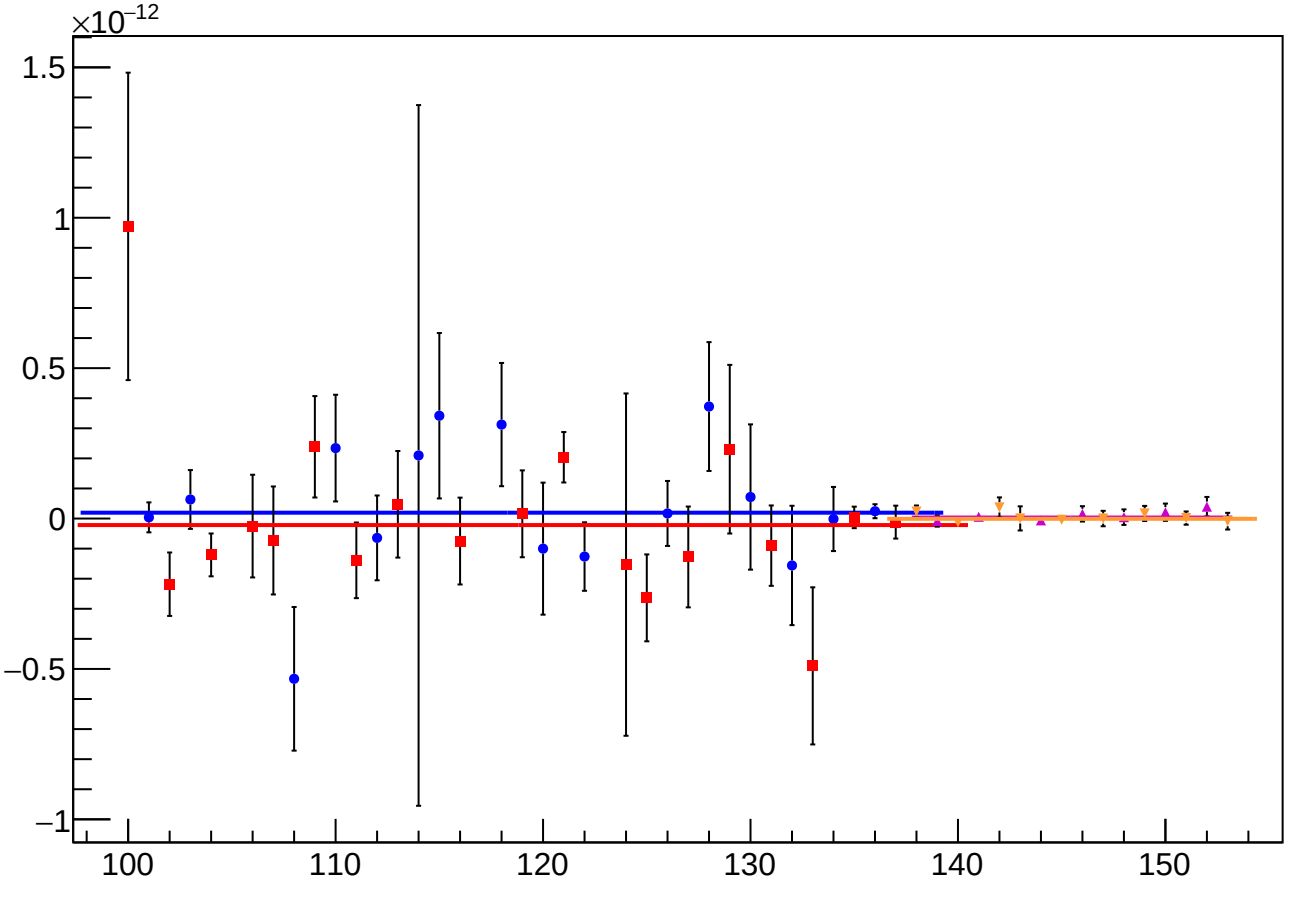
Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1587.260+/-0.313 χ^2/NDF:996639.7/22

Out: 1617.727+/-0.308 χ^2/NDF:1157151.0/27

All: 1602.741+/-0.220 χ^2/NDF: 2158598.8/50

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.6/8

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2.8/6

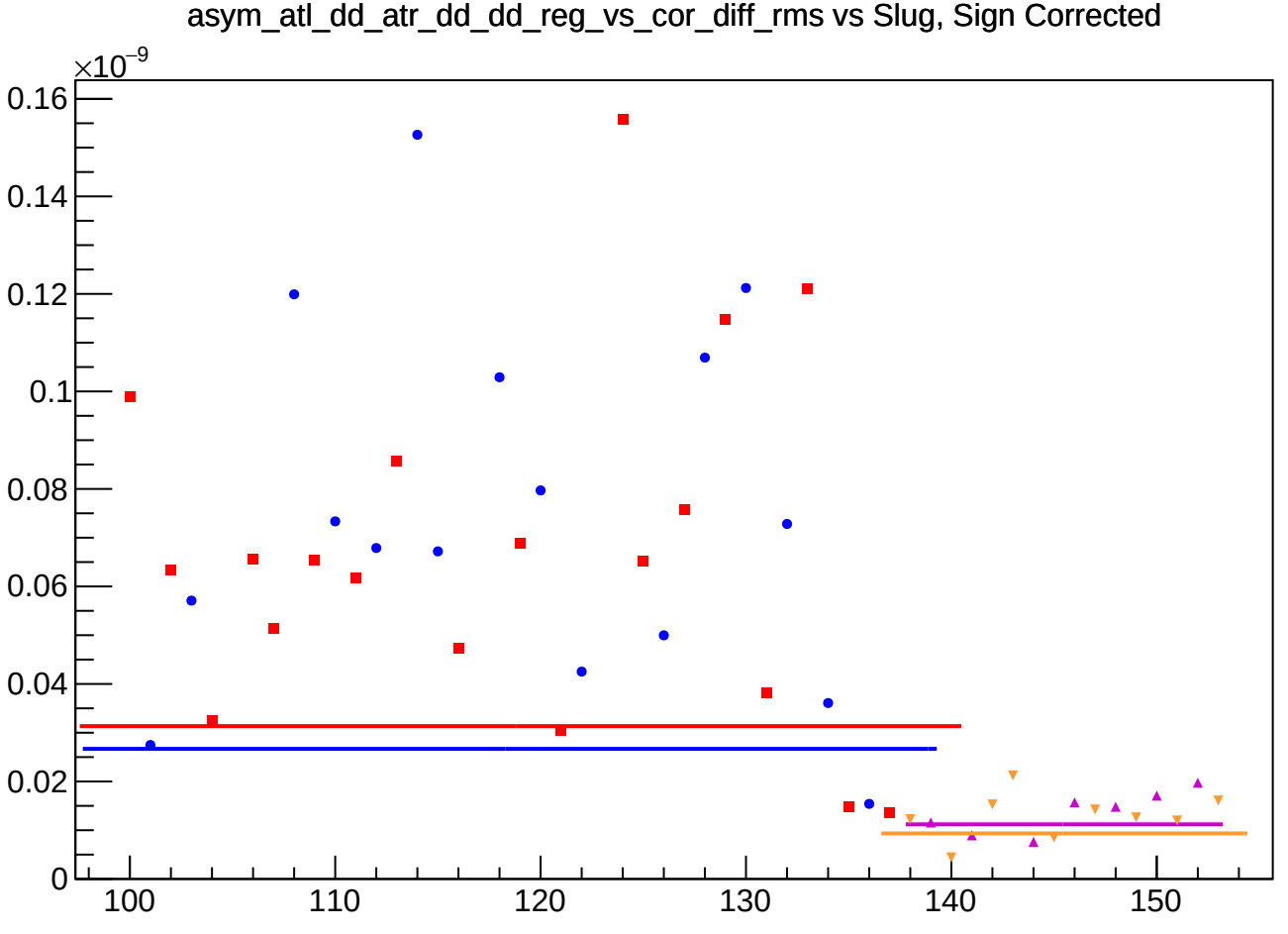
Left: 0.000+/-0.000 χ^2/NDF: 7.5/15

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:19.9/22

Out: -0.000+/-0.000 χ^2/NDF:33.6/27

All: 0.000+/-0.000 χ^2/NDF: 54.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:970404.6/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:510308.8/6

Left: 0.000+/-0.000 χ^2/NDF: 1550371.4/15

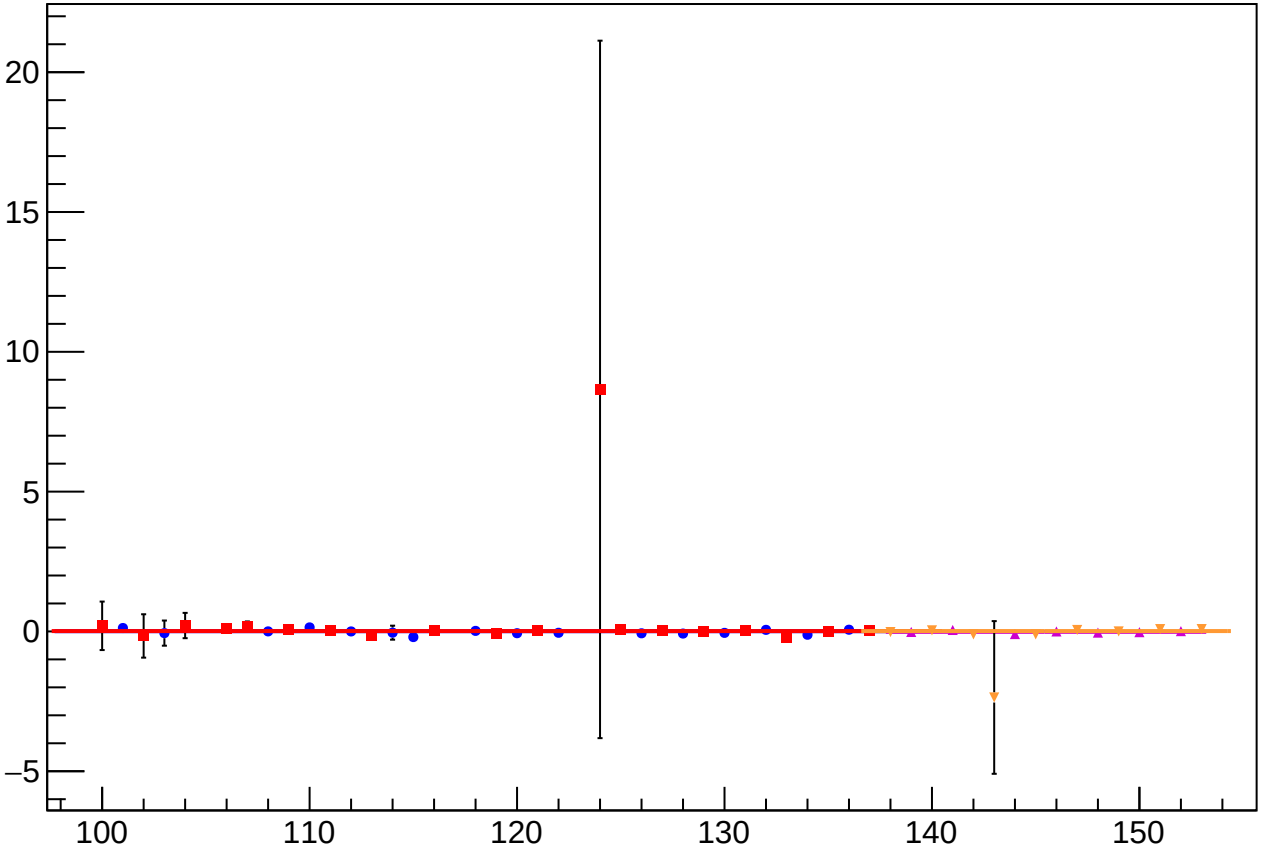
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4256810.5/22

Out: 0.000+/-0.000 χ^2/NDF:5040533.5/27

All: 0.000+/-0.000 χ^2/NDF: 9415992.4/50

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: 0.013+/-0.015 χ^2/NDF:13.8/8

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.015+/-0.015 χ^2/NDF:4.3/6

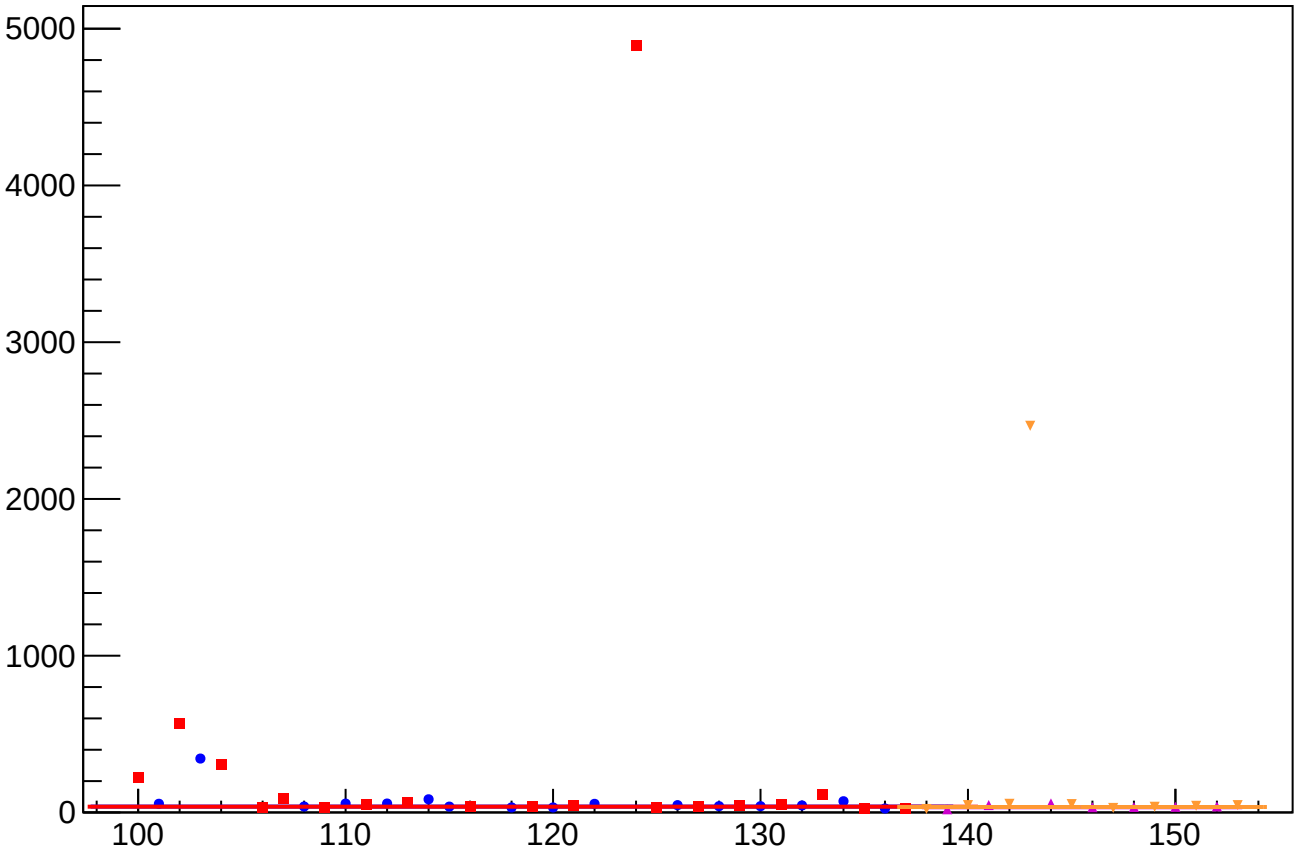
Left: -0.001+/-0.011 χ^2/NDF: 19.7/15

Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.004+/-0.011 χ^2/NDF:24.7/22

Out: 0.013+/-0.011 χ^2/NDF:26.3/27

All: 0.004+/-0.008 χ^2/NDF: 52.2/50



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 34.750+/-0.011 χ^2/NDF:2595625.7/8

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 33.229+/-0.011 χ^2/NDF:938959.2/6

Left: 33.968+/-0.008 χ^2/NDF: 3544549.0/15

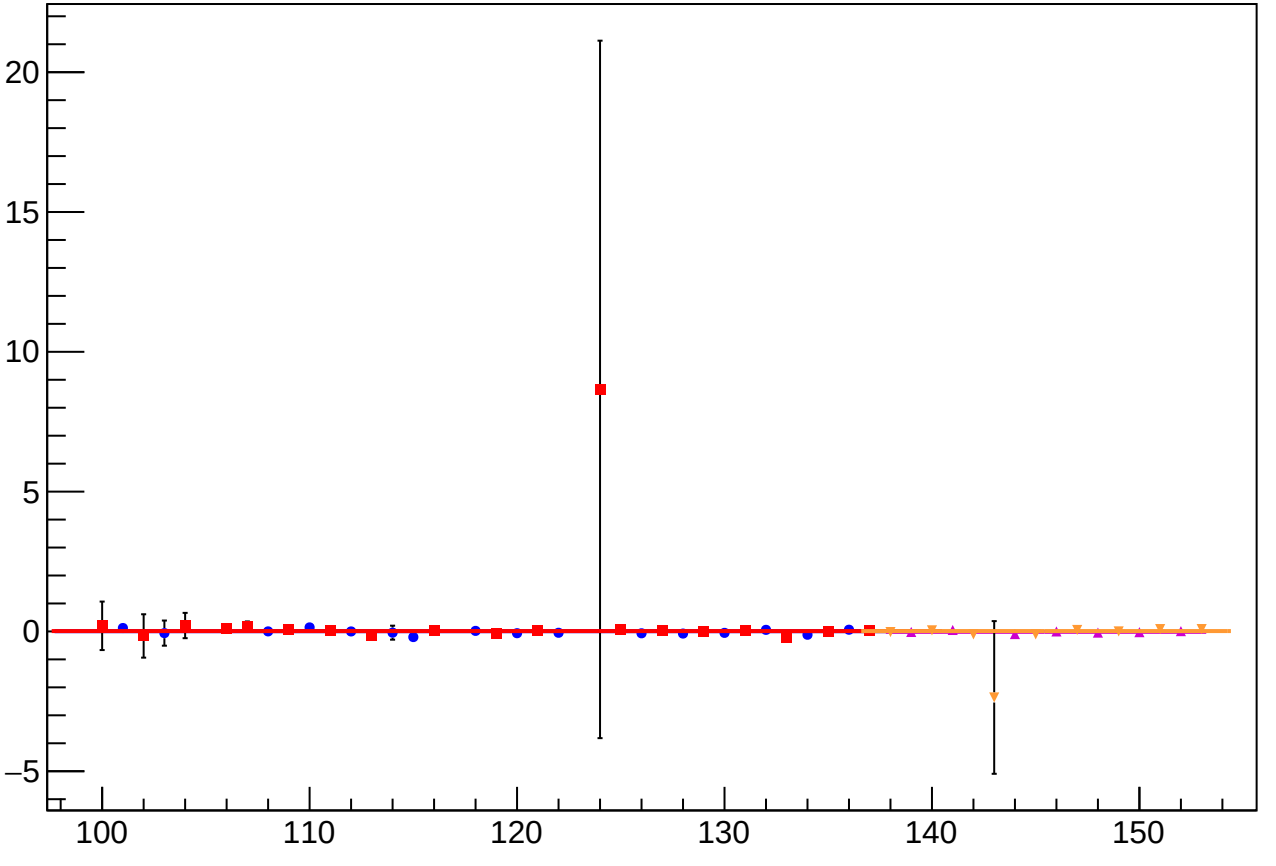
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 35.216+/-0.008 χ^2/NDF:2997396.5/22

Out: 35.685+/-0.008 χ^2/NDF:5802137.6/27

All: 35.443+/-0.006 χ^2/NDF: 8801300.8/50

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: 0.013+/-0.015 χ^2/NDF:13.8/8

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.015+/-0.015 χ^2/NDF:4.3/6

Left: -0.001+/-0.011 χ^2/NDF: 19.7/15

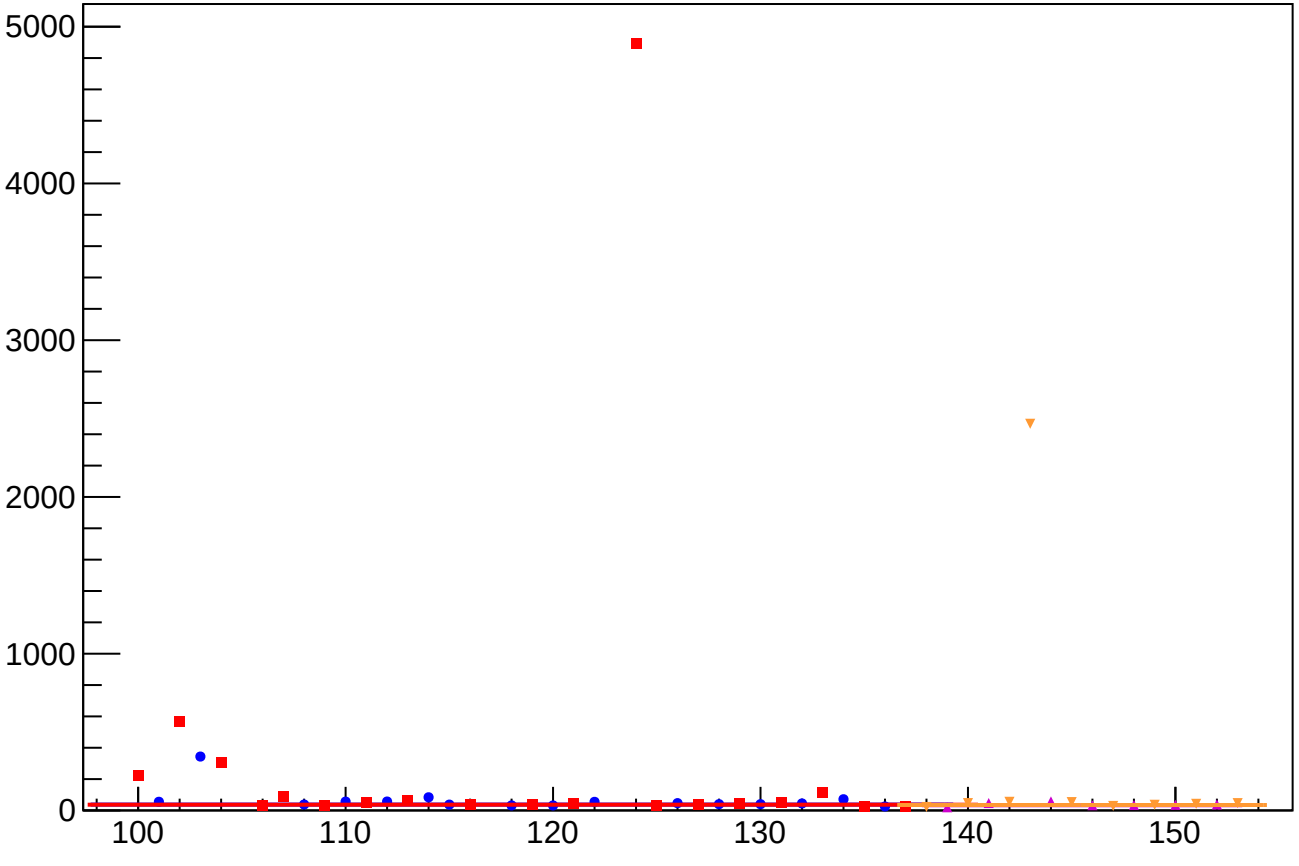
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.004+/-0.011 χ^2/NDF:24.7/22

Out: 0.013+/-0.011 χ^2/NDF:26.3/27

All: 0.004+/-0.008 χ^2/NDF: 52.2/50

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 34.750+/-0.011 χ^2/NDF:2595625.7/8

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 33.229+/-0.011 χ^2/NDF:938959.2/6

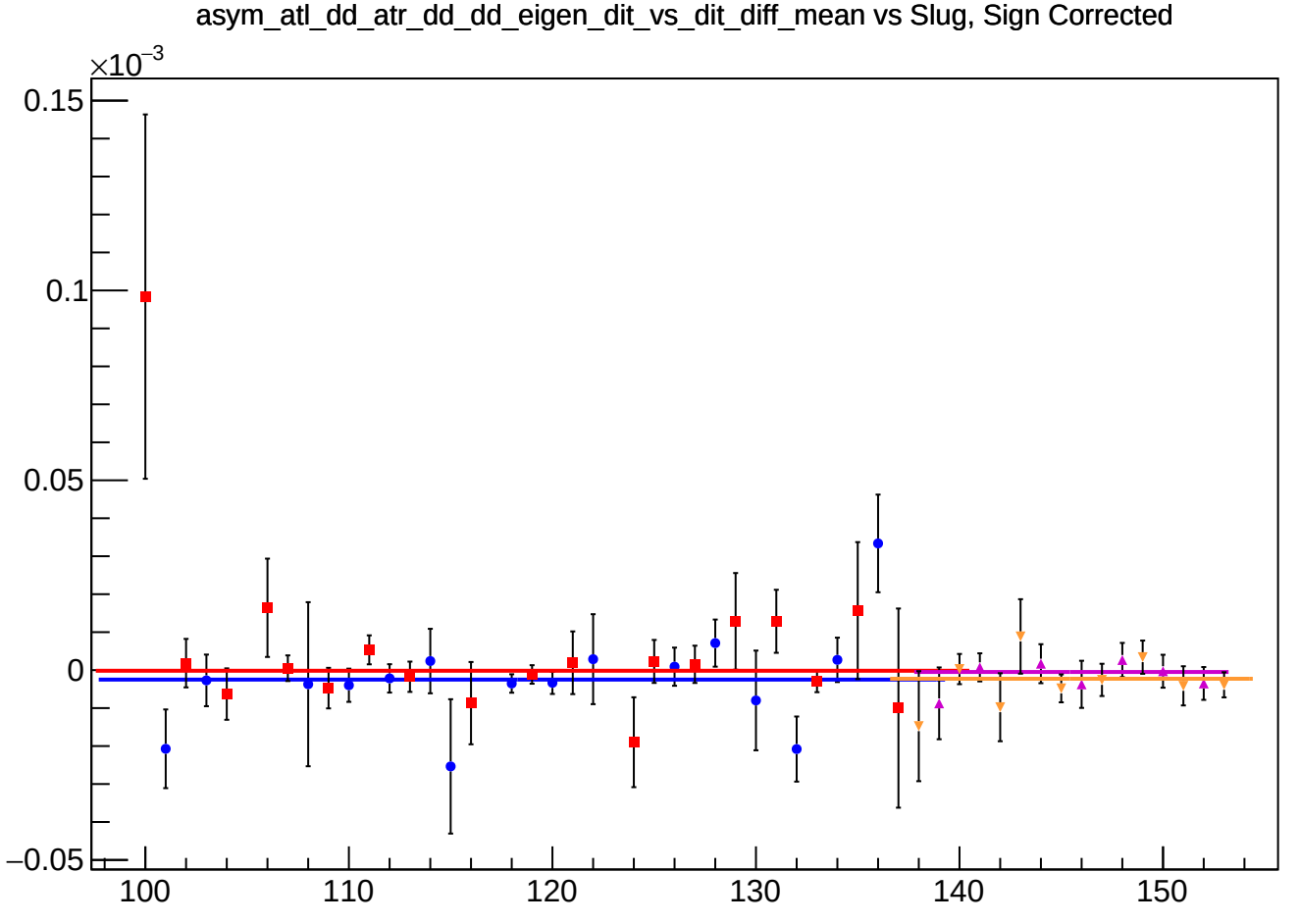
Left: 33.968+/-0.008 χ^2/NDF: 3544549.0/15

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 35.216+/-0.008 χ^2/NDF:2997396.5/22

Out: 35.685+/-0.008 χ^2/NDF:5802137.6/27

All: 35.443+/-0.006 χ^2/NDF: 8801300.8/50



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.7/8

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:2.3/6

Left: -0.000+/-0.000 χ^2/NDF: 8.5/15

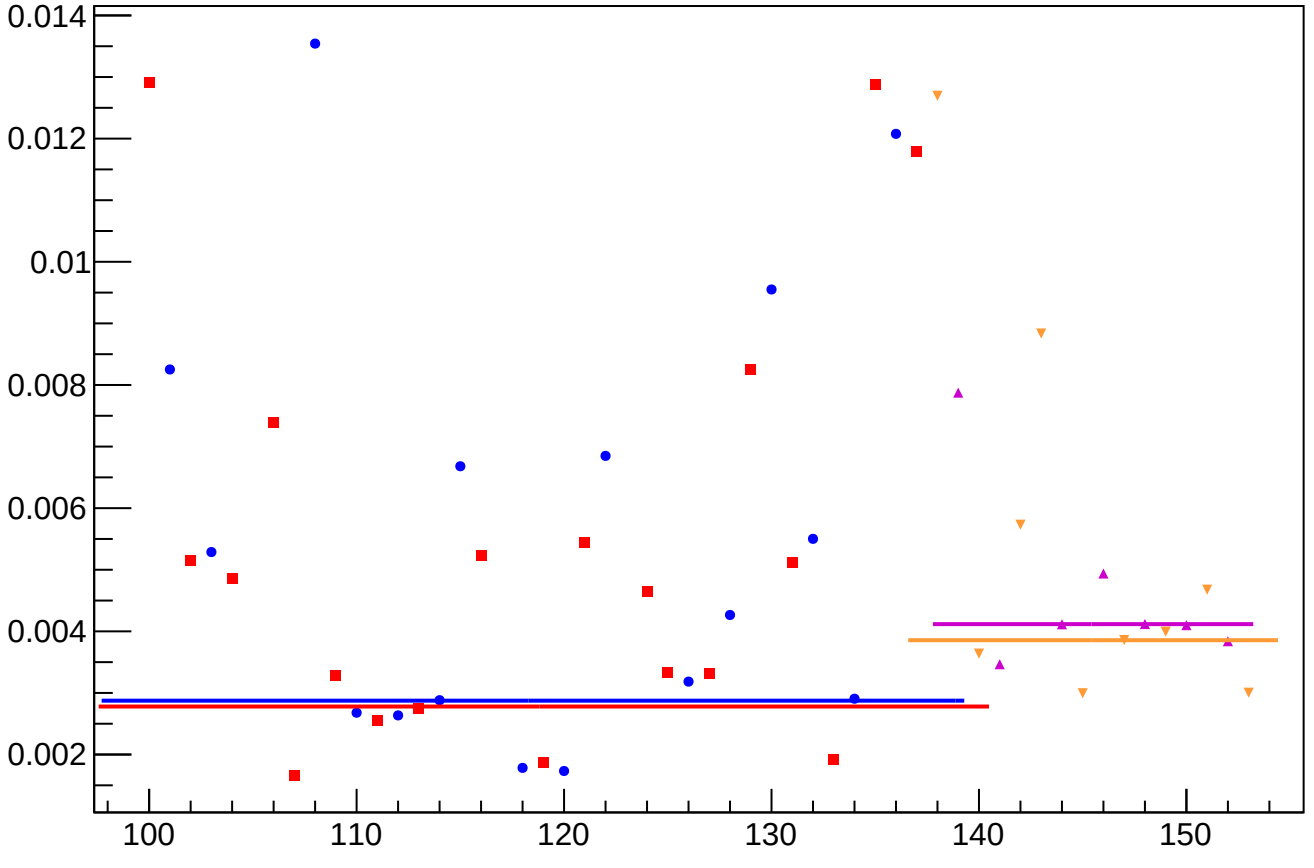
Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:25.0/22

Out: -0.000+/-0.000 χ^2/NDF:25.7/27

All: -0.000+/-0.000 χ^2/NDF: 51.1/50

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:1648785.5/8

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.004+/-0.000 χ^2/NDF:421329.1/6

Left: 0.004+/-0.000 χ^2/NDF: 2093751.4/15

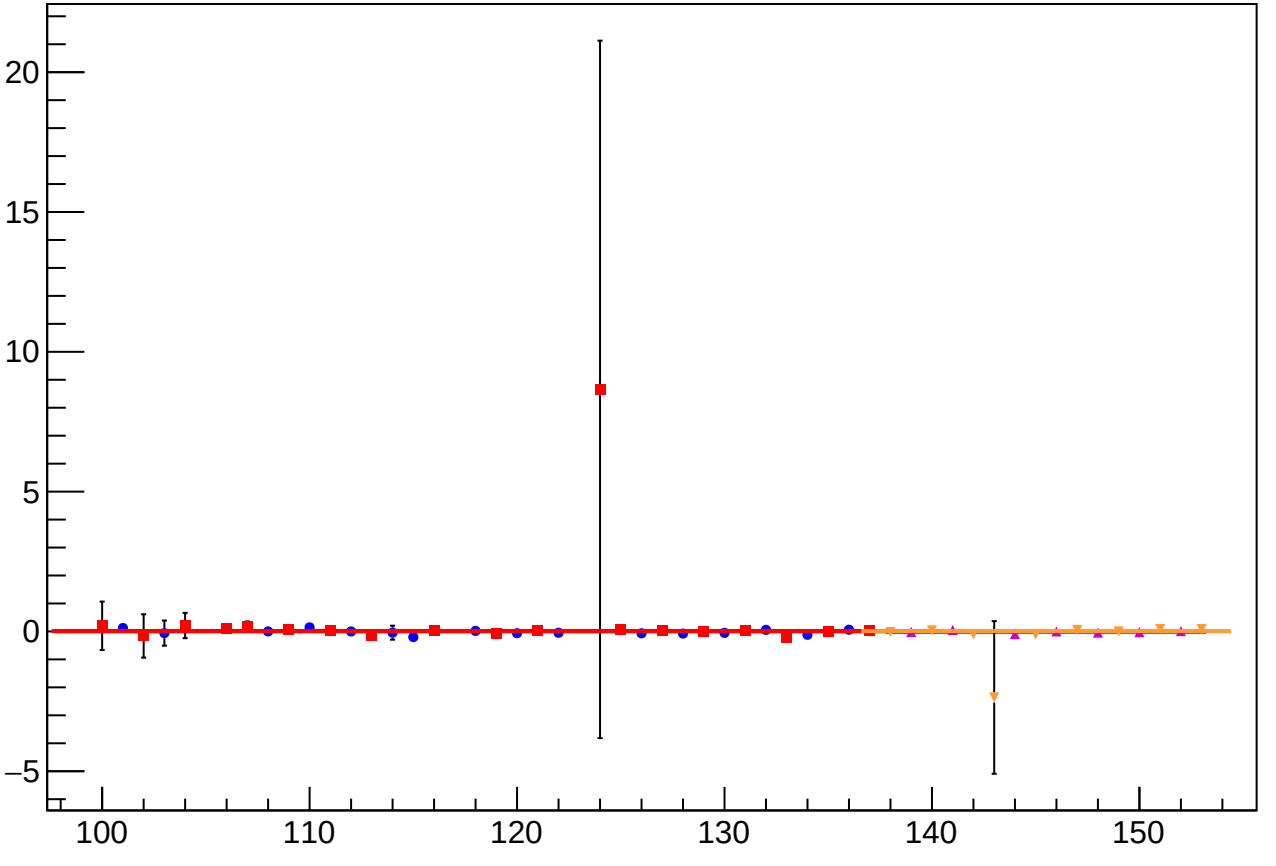
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:5192569.9/22

Out: 0.003+/-0.000 χ^2/NDF:5559419.0/27

All: 0.003+/-0.000 χ^2/NDF: 10770411.9/50

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: 0.013+/-0.015 χ^2/NDF:13.8/8

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.015+/-0.015 χ^2/NDF:4.3/6

Left: -0.001+/-0.011 χ^2/NDF: 19.7/15

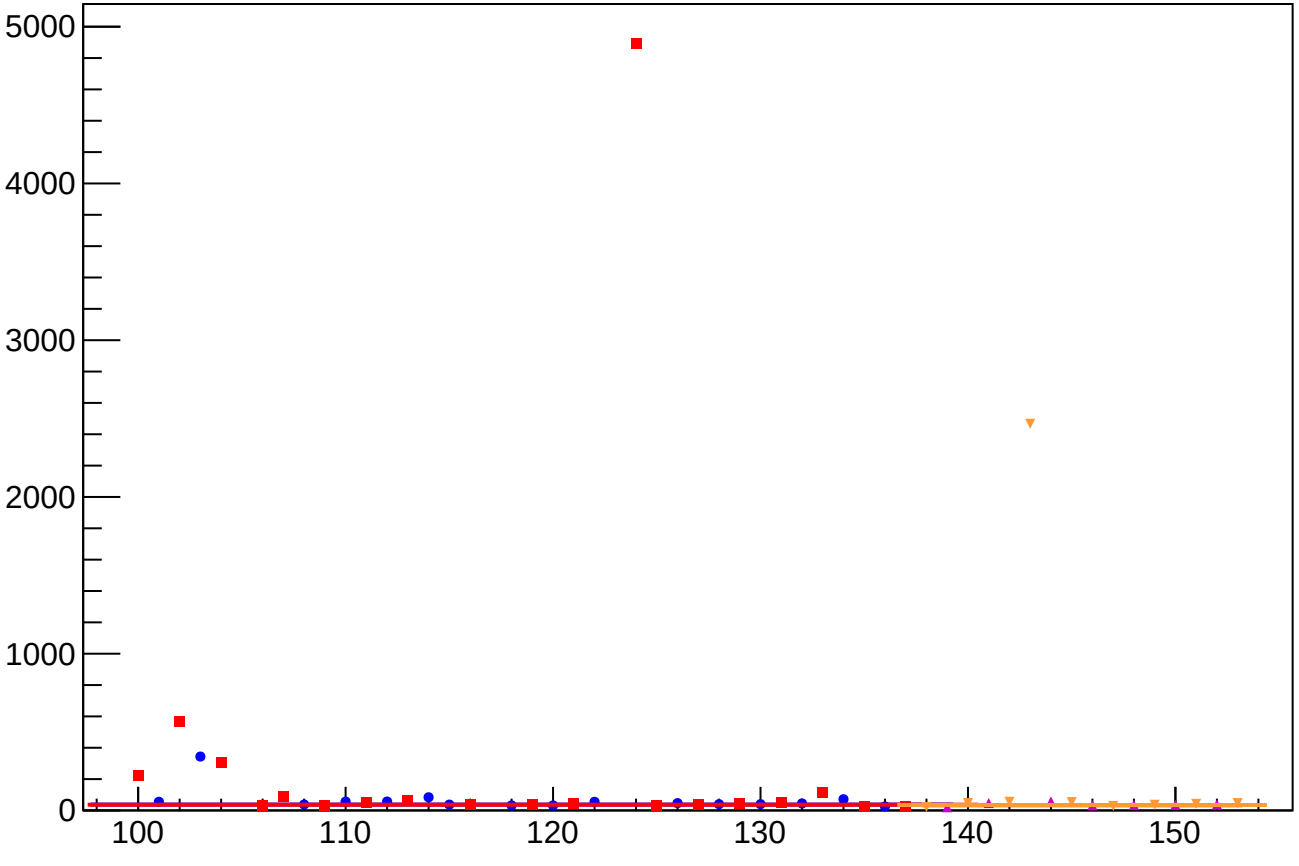
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.004+/-0.011 χ^2/NDF:24.7/22

Out: 0.013+/-0.011 χ^2/NDF:26.4/27

All: 0.004+/-0.008 χ^2/NDF: 52.2/50

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 34.747+/-0.011 χ^2/NDF:2596051.4/8

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 33.233+/-0.011 χ^2/NDF:938144.4/6

Left: 33.969+/-0.008 χ^2/NDF: 3544068.4/15

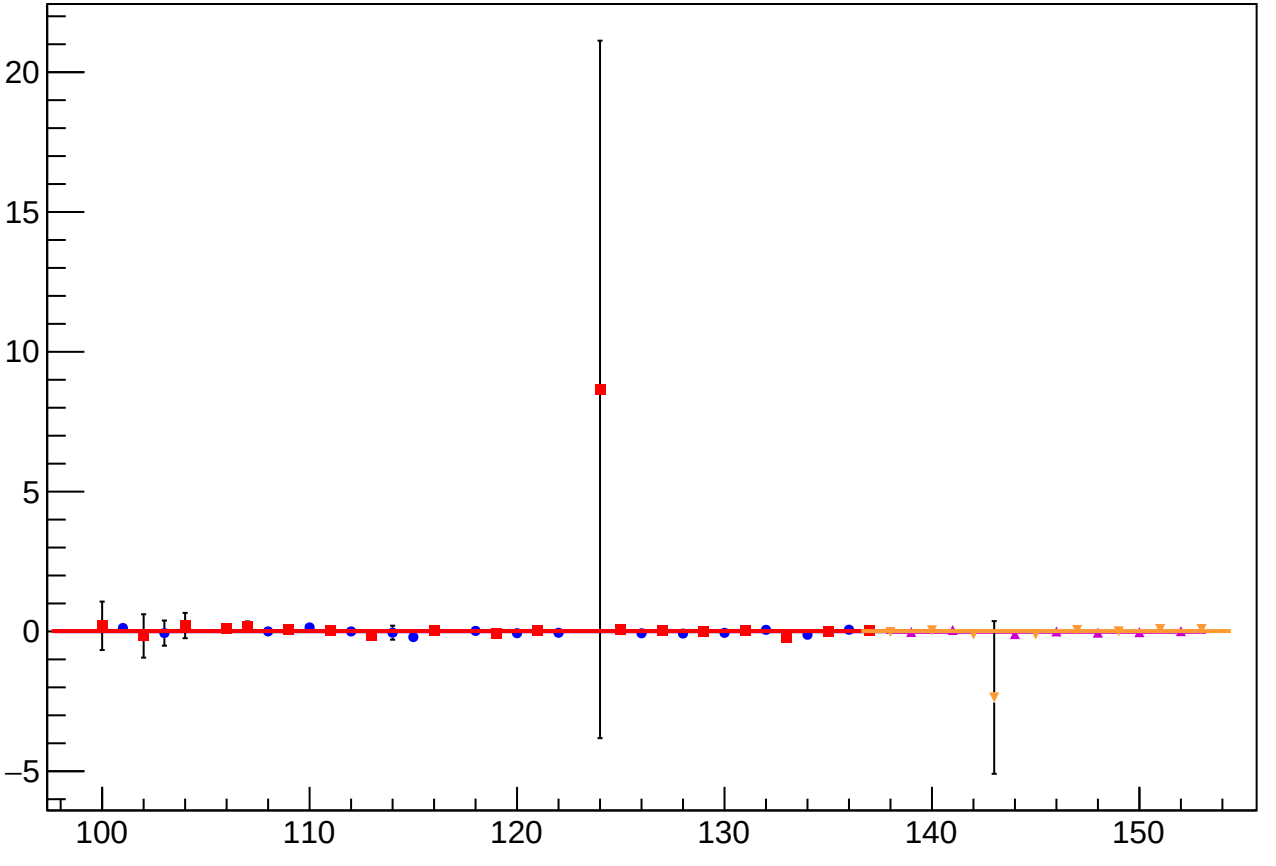
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 35.219+/-0.008 χ^2/NDF:2996382.3/22

Out: 35.684+/-0.008 χ^2/NDF:5802335.9/27

All: 35.444+/-0.006 χ^2/NDF: 8800459.4/50

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: 0.013+/-0.015 χ^2/NDF:13.8/8

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.015+/-0.015 χ^2/NDF:4.3/6

Left: -0.001+/-0.011 χ^2/NDF: 19.7/15

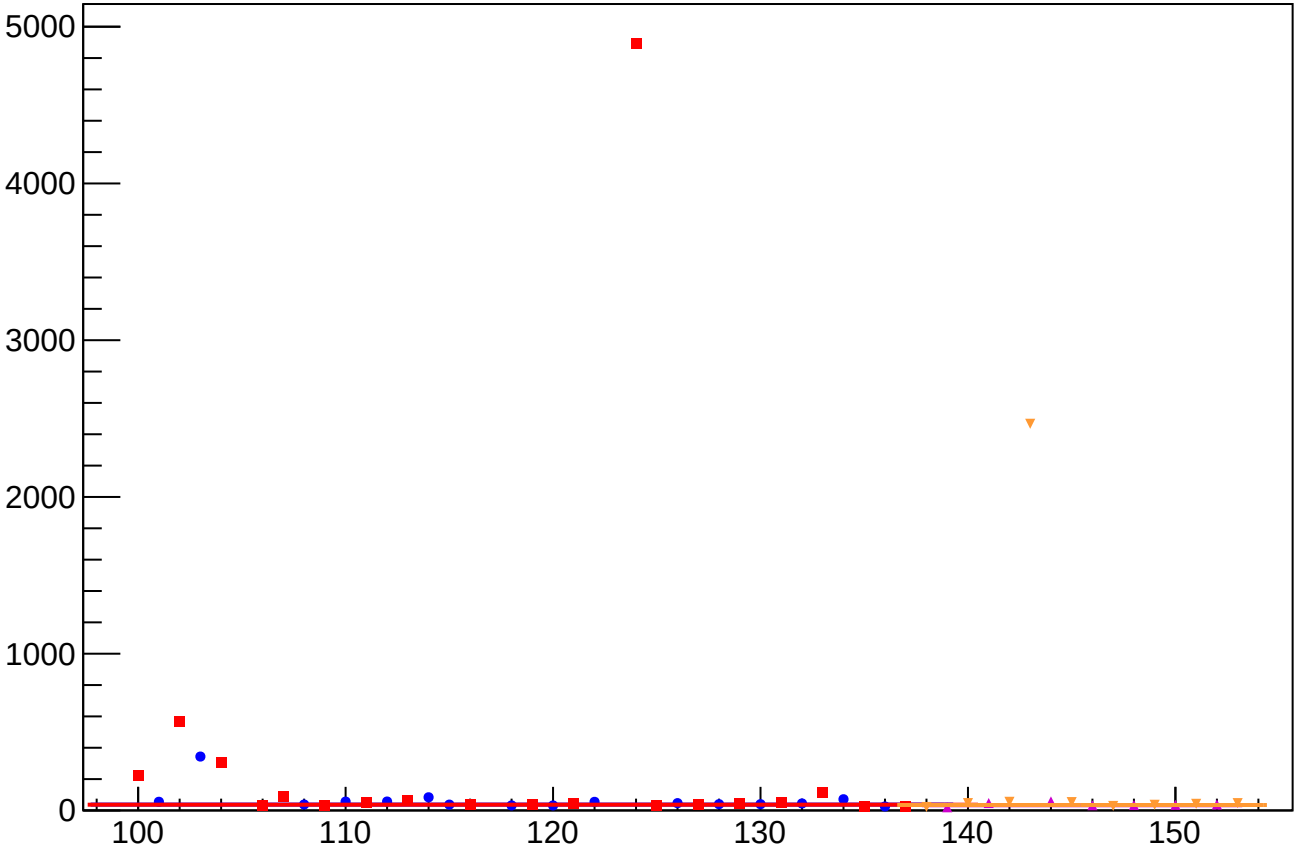
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.004+/-0.011 χ^2/NDF:24.7/22

Out: 0.013+/-0.011 χ^2/NDF:26.4/27

All: 0.004+/-0.008 χ^2/NDF: 52.2/50

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 34.747+/-0.011 χ^2/NDF:2596051.4/8

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 33.233+/-0.011 χ^2/NDF:938144.4/6

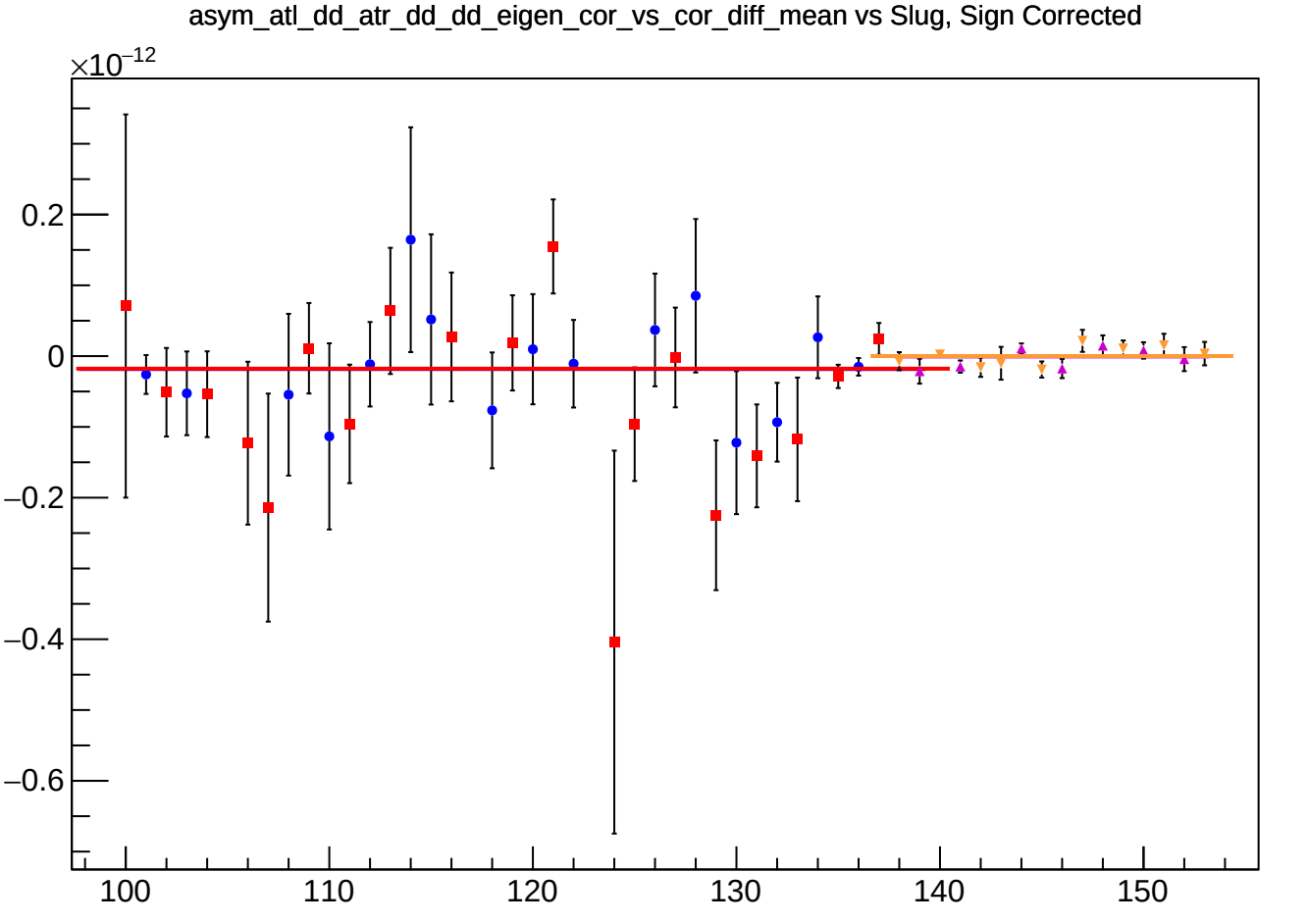
Left: 33.969+/-0.008 χ^2/NDF: 3544068.4/15

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 35.219+/-0.008 χ^2/NDF:2996382.3/22

Out: 35.684+/-0.008 χ^2/NDF:5802335.9/27

All: 35.444+/-0.006 χ^2/NDF: 8800459.4/50



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.5/8

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:10.0/6

Left: -0.000+/-0.000 χ^2/NDF: 18.5/15

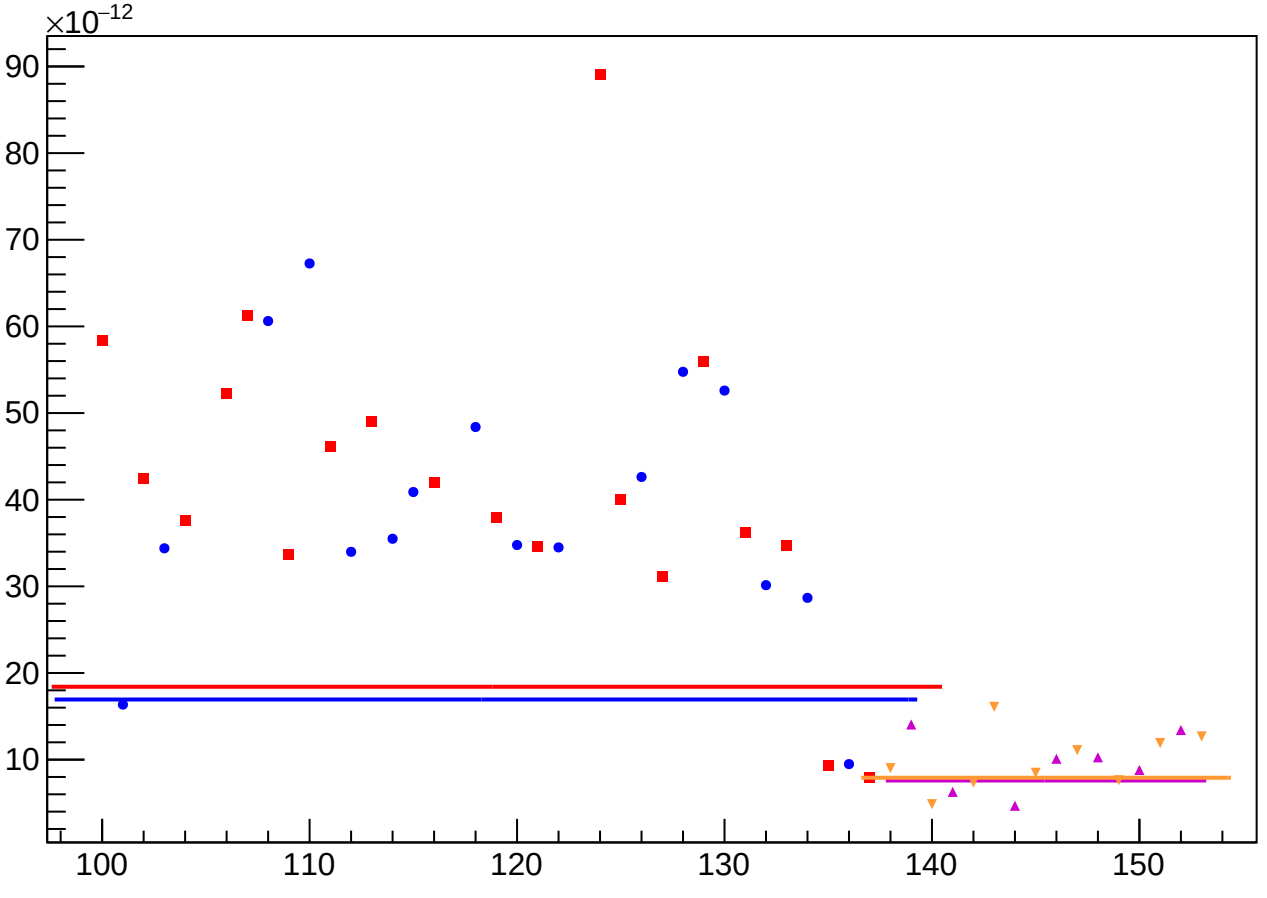
Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:21.1/22

Out: -0.000+/-0.000 χ^2/NDF:38.0/27

All: -0.000+/-0.000 χ^2/NDF: 59.1/50

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1054639.2/8

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1056828.1/6

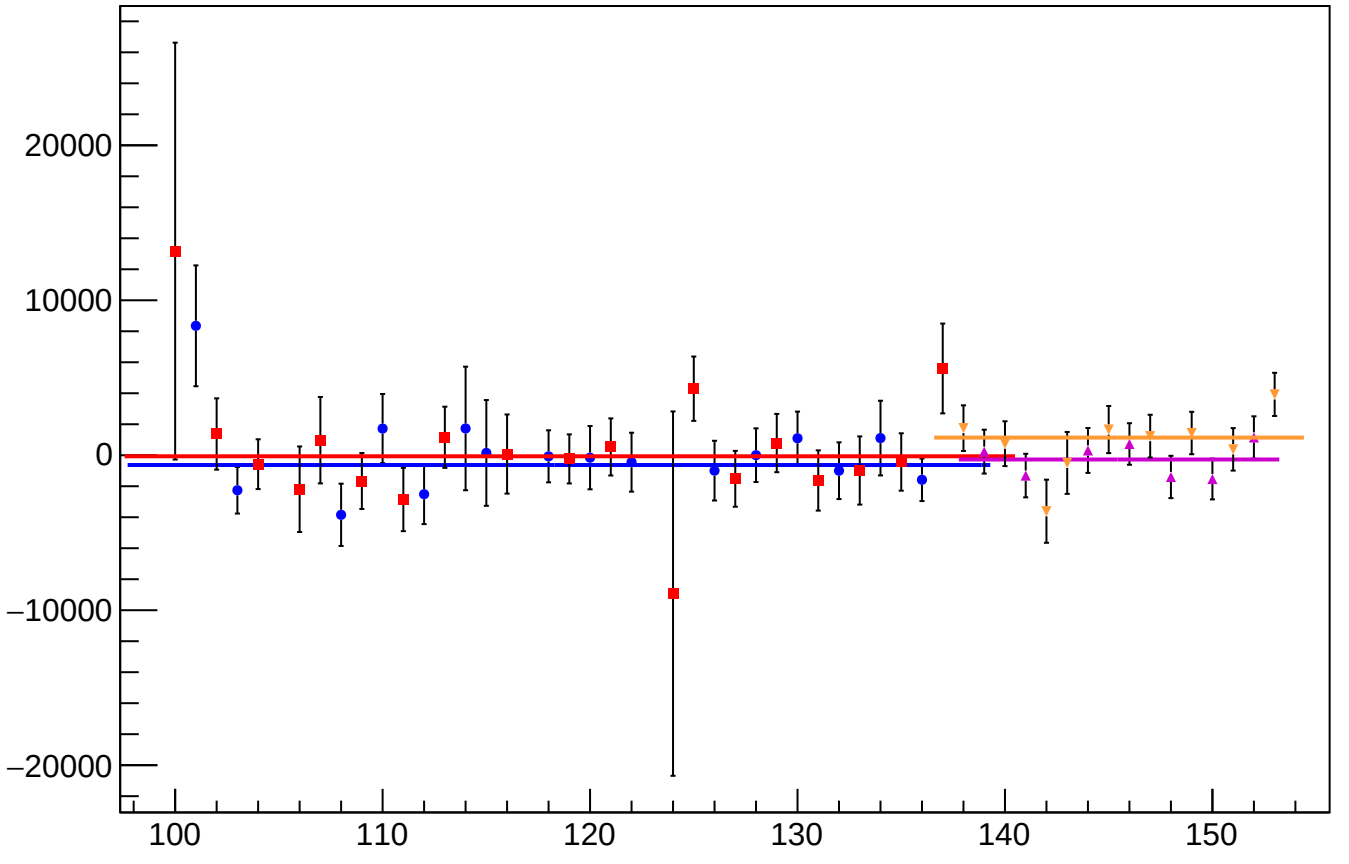
Left: 0.000+/-0.000 χ^2/NDF: 2117521.8/15

Right: 0.000+/-0.000 χ^2/NDF: 6902390.3/34

In: 0.000+/-0.000 χ^2/NDF:5776374.4/22

Out: 0.000+/-0.000 χ^2/NDF:6325166.8/27

All: 0.000+/-0.000 χ^2/NDF: 12102924.1/50



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1139.063+/-501.771 χ^2/NDF:10.8/8

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -274.938+/-520.586 χ^2/NDF:4.1/6

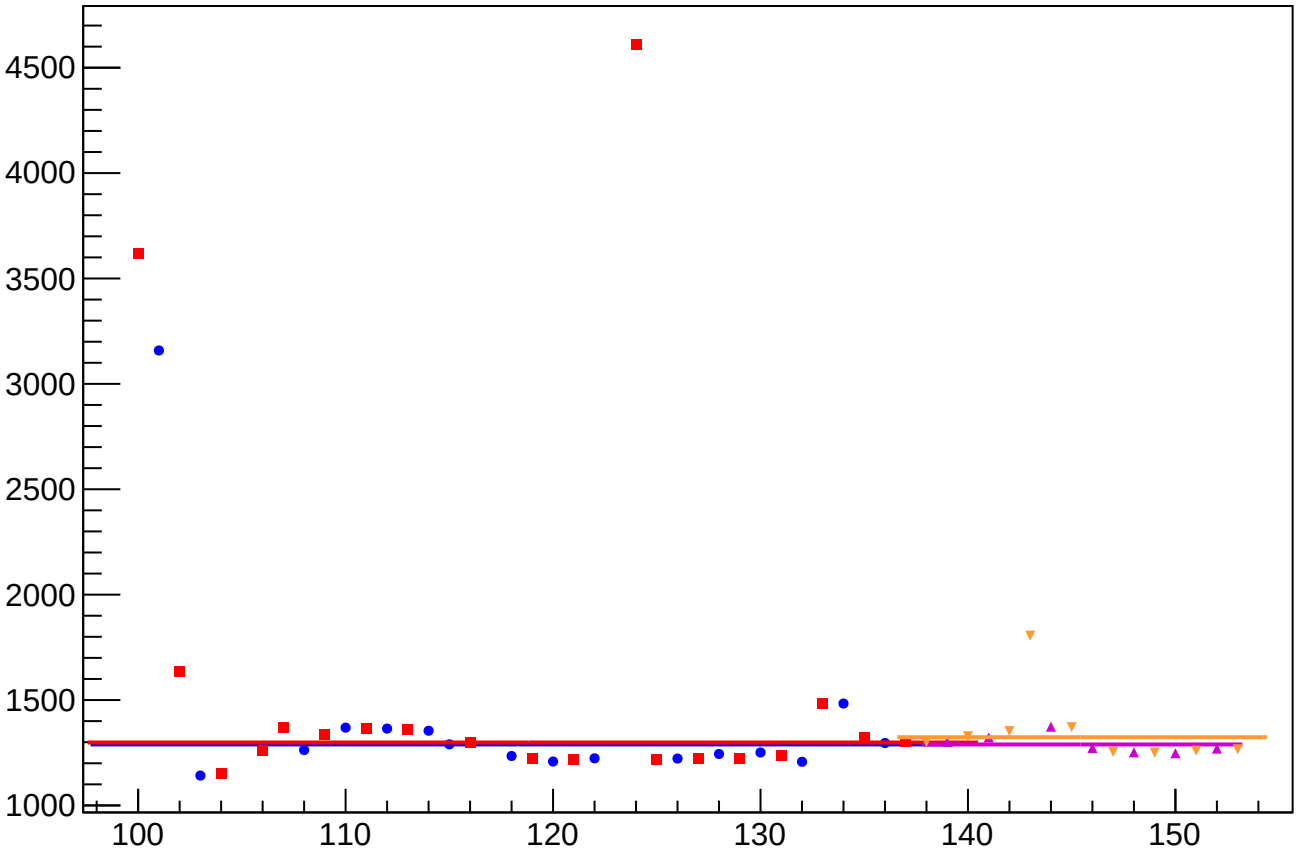
Left: 458.076+/-361.274 χ^2/NDF: 18.7/15

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -464.242+/-356.288 χ^2/NDF:18.2/22

Out: 518.628+/-349.747 χ^2/NDF:29.7/27

All: 36.298+/-249.589 χ^2/NDF: 51.8/50



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1323.615+/-0.355 χ^2/NDF:137669.4/8

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1289.223+/-0.368 χ^2/NDF:12310.3/6

Left: 1307.052+/-0.255 χ^2/NDF: 154504.9/15

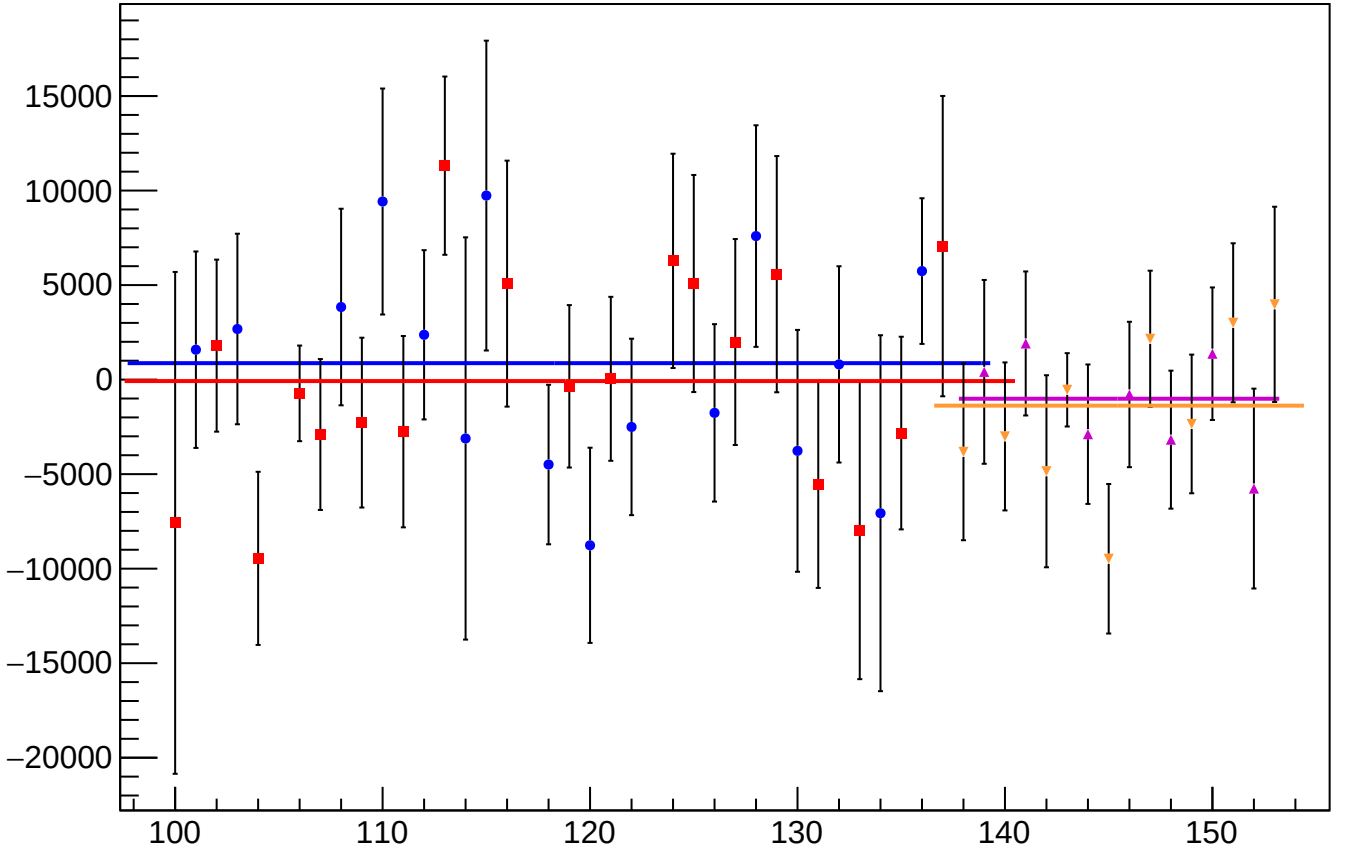
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1289.352+/-0.252 χ^2/NDF:526985.6/22

Out: 1310.749+/-0.247 χ^2/NDF:459595.2/27

All: 1300.263+/-0.176 χ^2/NDF: 990259.1/50

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: -1376.366+/-1174.533 χ^2/NDF:8.5/8

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -1011.118+/-1499.665 χ^2/NDF:2.6/6

Left: -1237.502+/-924.687 χ^2/NDF: 11.1/15

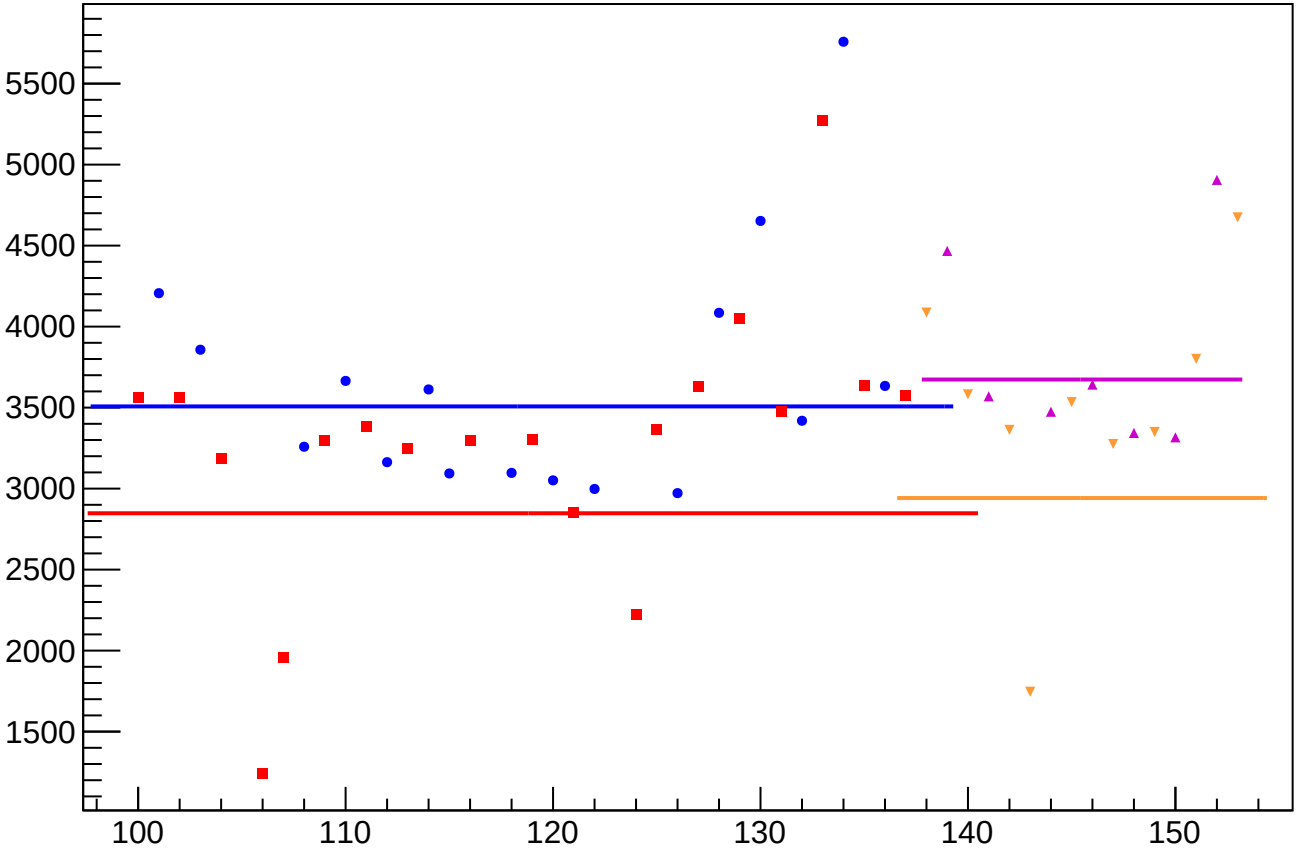
Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: 45.290+/-993.072 χ^2/NDF:17.5/22

Out: -690.805+/-807.150 χ^2/NDF:27.5/27

All: -397.977+/-626.354 χ^2/NDF: 45.3/50

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: 2941.812+/-0.831 χ^2/NDF:1342546.7/8

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 3673.333+/-1.060 χ^2/NDF:206565.8/6

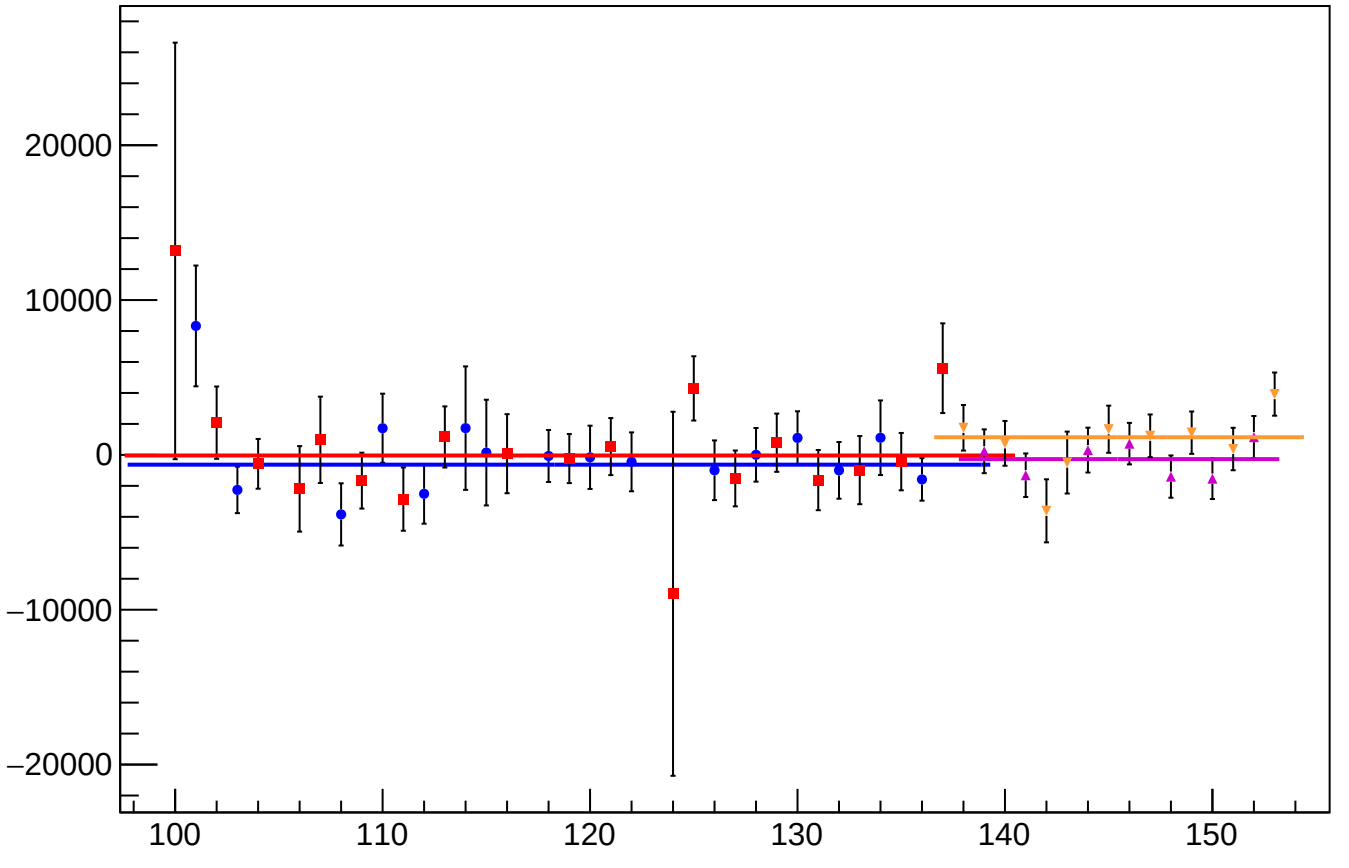
Left: 3219.929+/-0.654 χ^2/NDF: 1844065.9/15

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3580.160+/-0.702 χ^2/NDF:574293.8/22

Out: 2892.215+/-0.571 χ^2/NDF:2848677.8/27

All: 3165.888+/-0.443 χ^2/NDF: 4000945.1/50



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1139.012+/-501.771 χ^2/NDF:10.8/8

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -274.899+/-520.586 χ^2/NDF:4.1/6

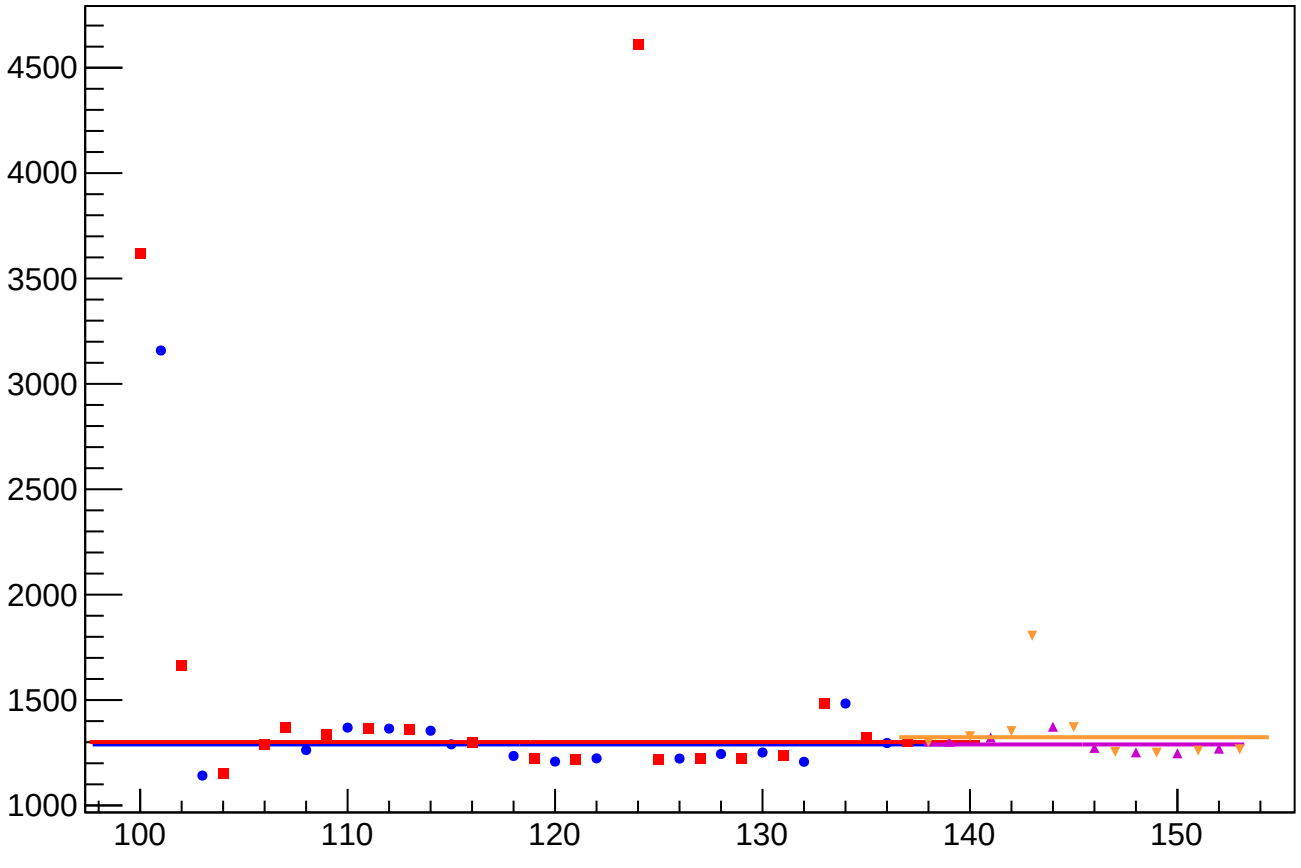
Left: 458.068+/-361.274 χ^2/NDF: 18.7/15

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -464.428+/-356.288 χ^2/NDF:18.2/22

Out: 533.914+/-349.866 χ^2/NDF:30.0/27

All: 43.821+/-249.632 χ^2/NDF: 52.2/50



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1323.615+/-0.355 χ^2/NDF:137669.4/8

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1289.223+/-0.368 χ^2/NDF:12310.3/6

Left: 1307.052+/-0.255 χ^2/NDF: 154504.9/15

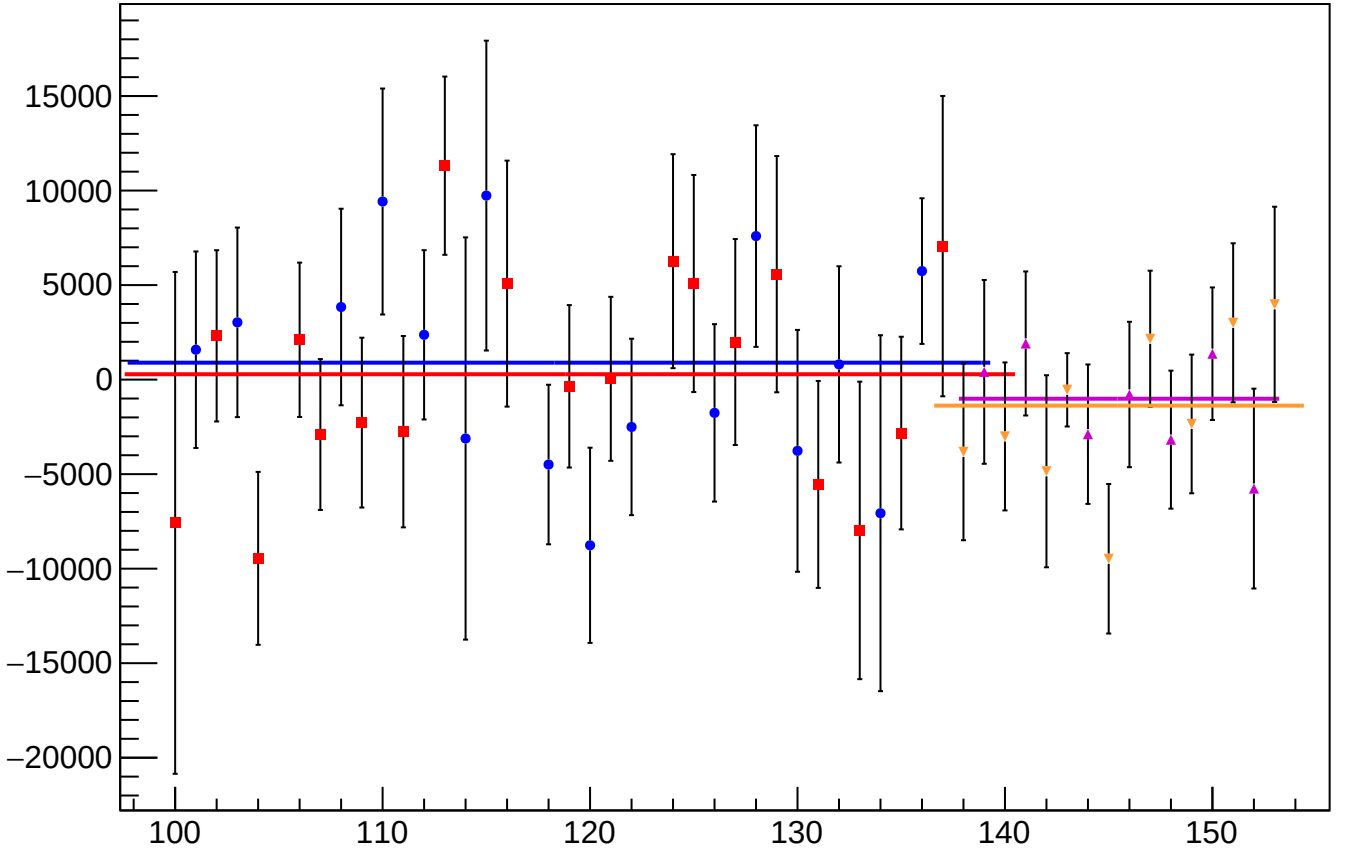
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1289.352+/-0.252 χ^2/NDF:526987.0/22

Out: 1311.811+/-0.247 χ^2/NDF:465727.2/27

All: 1300.797+/-0.176 χ^2/NDF: 996763.9/50

asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1376.293+/-1174.530 χ^2/NDF:8.5/8

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -1011.150+/-1499.663 χ^2/NDF:2.6/6

Left: -1237.470+/-924.685 χ^2/NDF: 11.1/15

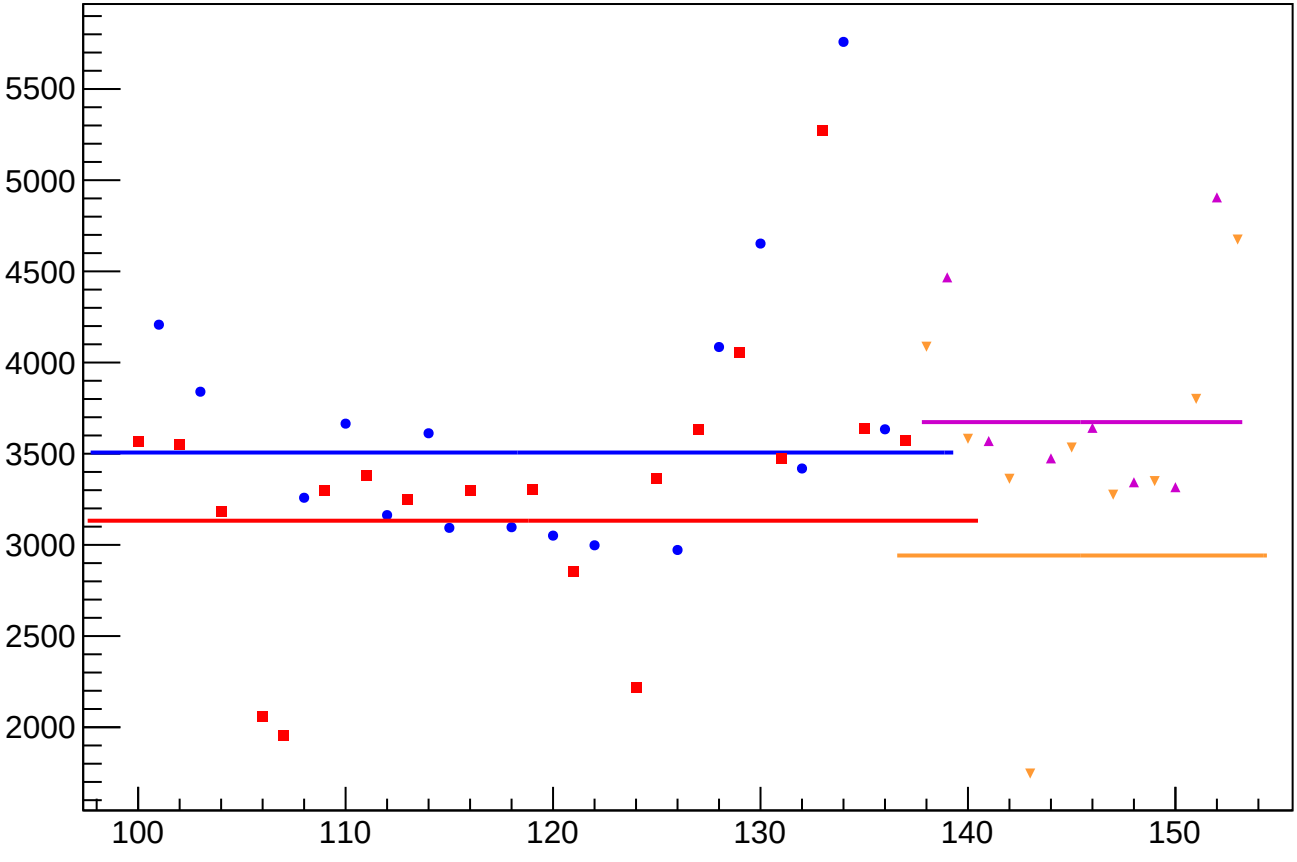
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 60.039+/-992.880 χ^2/NDF:17.6/22

Out: -552.250+/-833.557 χ^2/NDF:28.1/27

All: -299.113+/-638.405 χ^2/NDF: 45.9/50

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: 2941.802+/-0.831 χ^2/NDF:1342569.6/8

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3673.328+/-1.060 χ^2/NDF:206566.1/6

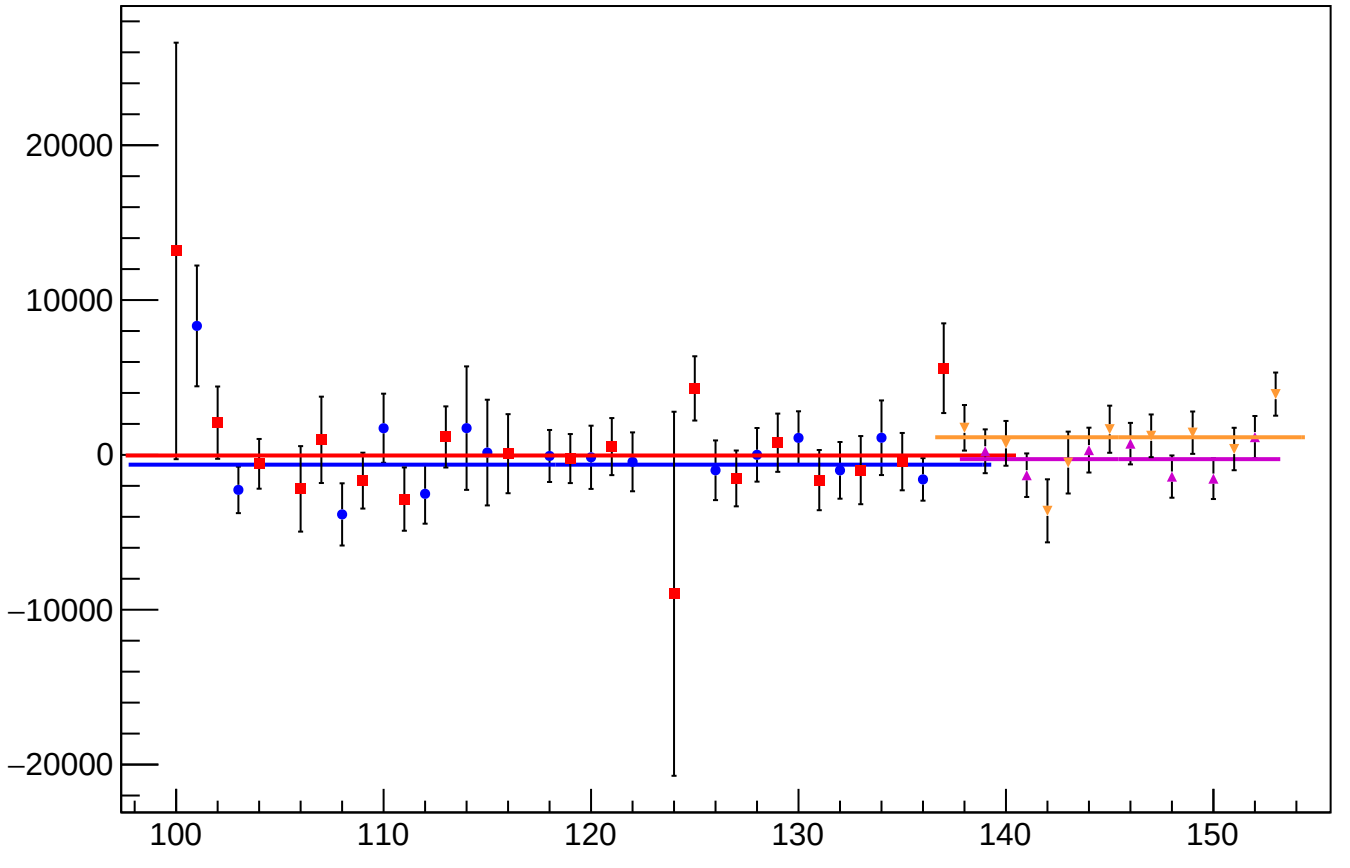
Left: 3219.920+/-0.654 χ^2/NDF: 1844094.2/15

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3579.617+/-0.702 χ^2/NDF:573707.8/22

Out: 3036.495+/-0.589 χ^2/NDF:2018372.4/27

All: 3261.036+/-0.451 χ^2/NDF: 2943118.3/50



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1139.012+/-501.771 χ^2/NDF:10.8/8

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -274.899+/-520.586 χ^2/NDF:4.1/6

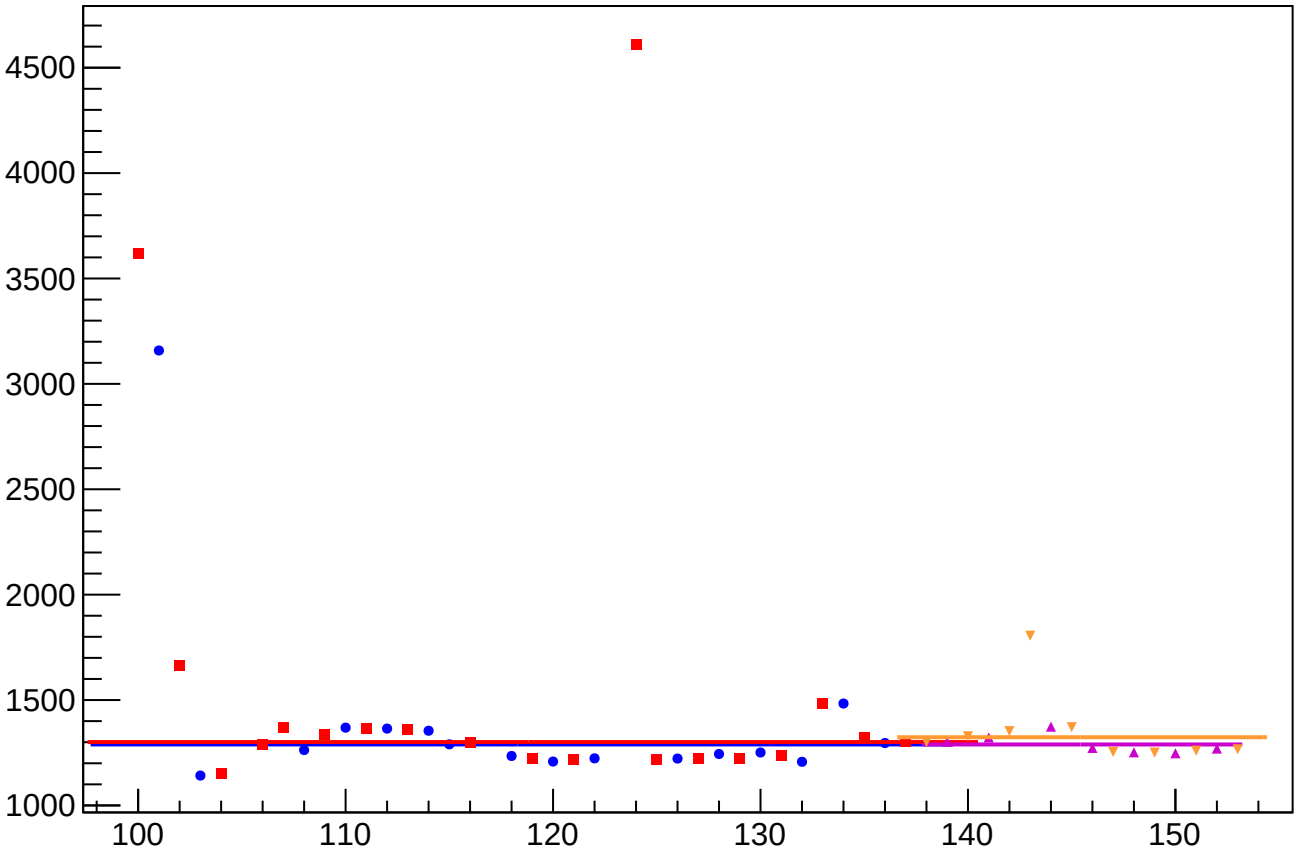
Left: 458.068+/-361.274 χ^2/NDF: 18.7/15

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -464.428+/-356.288 χ^2/NDF:18.2/22

Out: 533.914+/-349.866 χ^2/NDF:30.0/27

All: 43.821+/-249.632 χ^2/NDF: 52.2/50



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1323.615+/-0.355 χ^2/NDF:137669.4/8

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1289.223+/-0.368 χ^2/NDF:12310.3/6

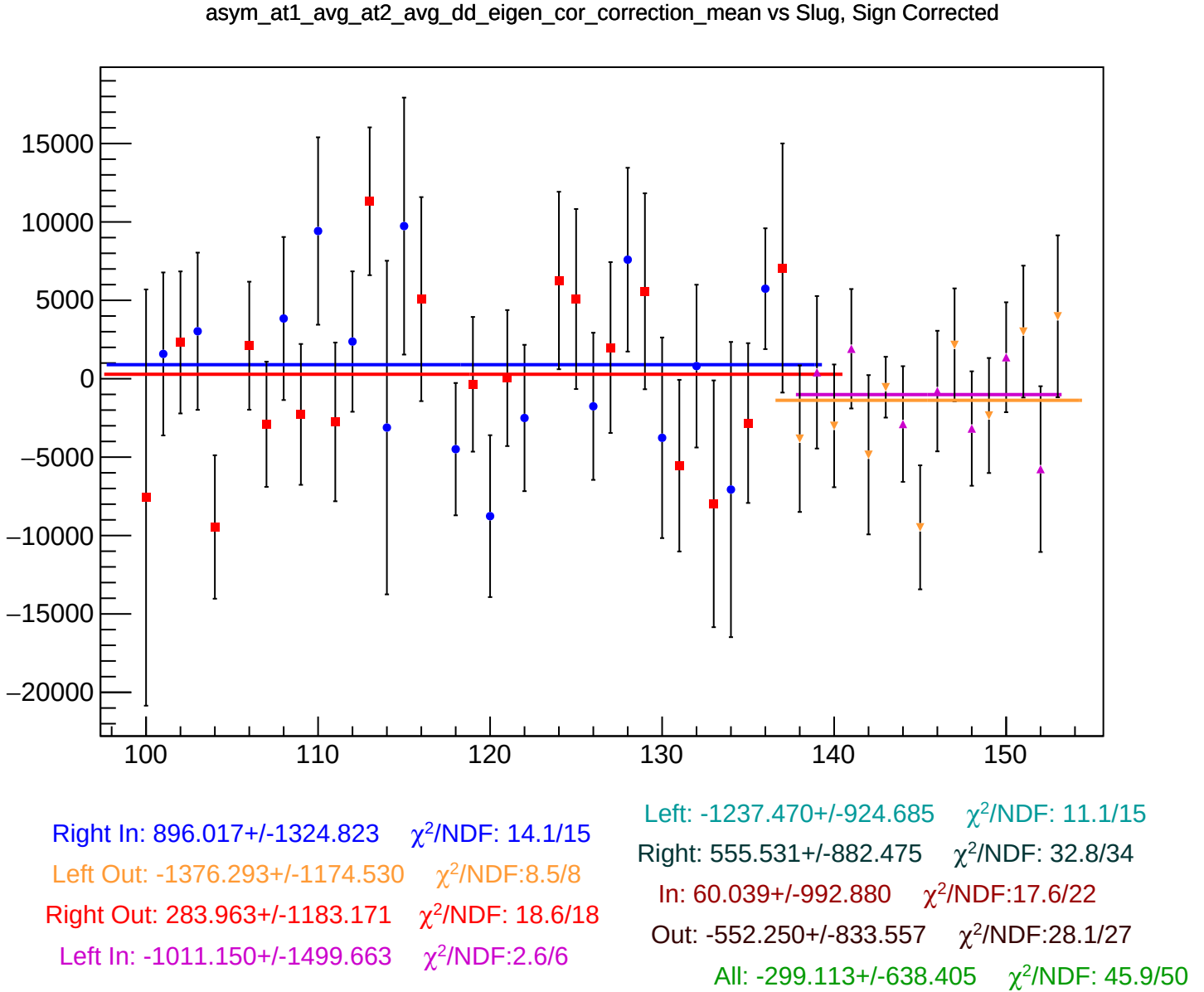
Left: 1307.052+/-0.255 χ^2/NDF: 154504.9/15

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

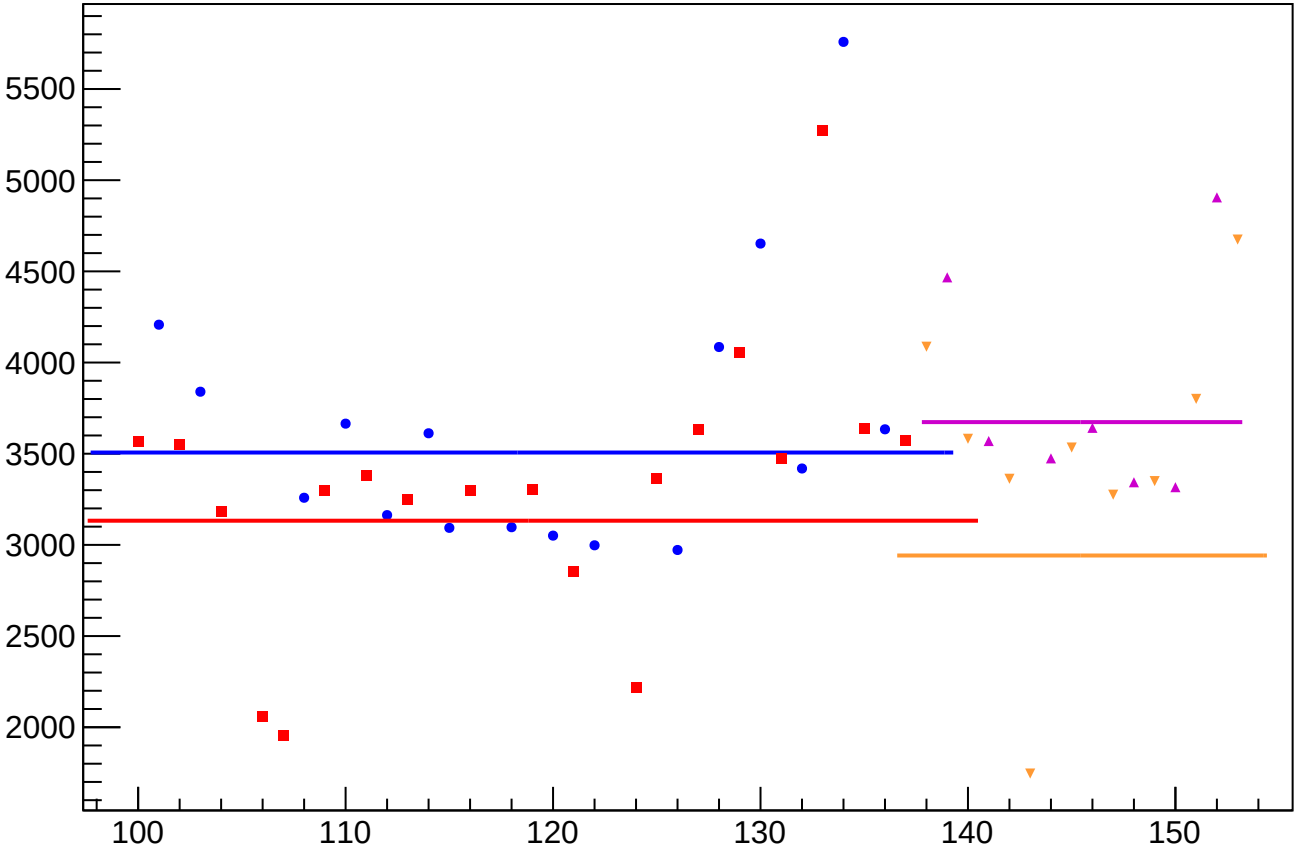
In: 1289.352+/-0.252 χ^2/NDF:526987.0/22

Out: 1311.811+/-0.247 χ^2/NDF:465727.2/27

All: 1300.797+/-0.176 χ^2/NDF: 996763.9/50


asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -1376.293+/-1174.530 χ²/NDF:8.5/8
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -1011.150+/-1499.663 χ²/NDF:2.6/6
Left: -1237.470+/-924.685 χ²/NDF: 11.1/15
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 60.039+/-992.880 χ²/NDF:17.6/22
Out: -552.250+/-833.557 χ²/NDF:28.1/27
All: -299.113+/-638.405 χ²/NDF: 45.9/50

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2941.802+/-0.831 χ^2/NDF:1342569.6/8

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3673.328+/-1.060 χ^2/NDF:206566.1/6

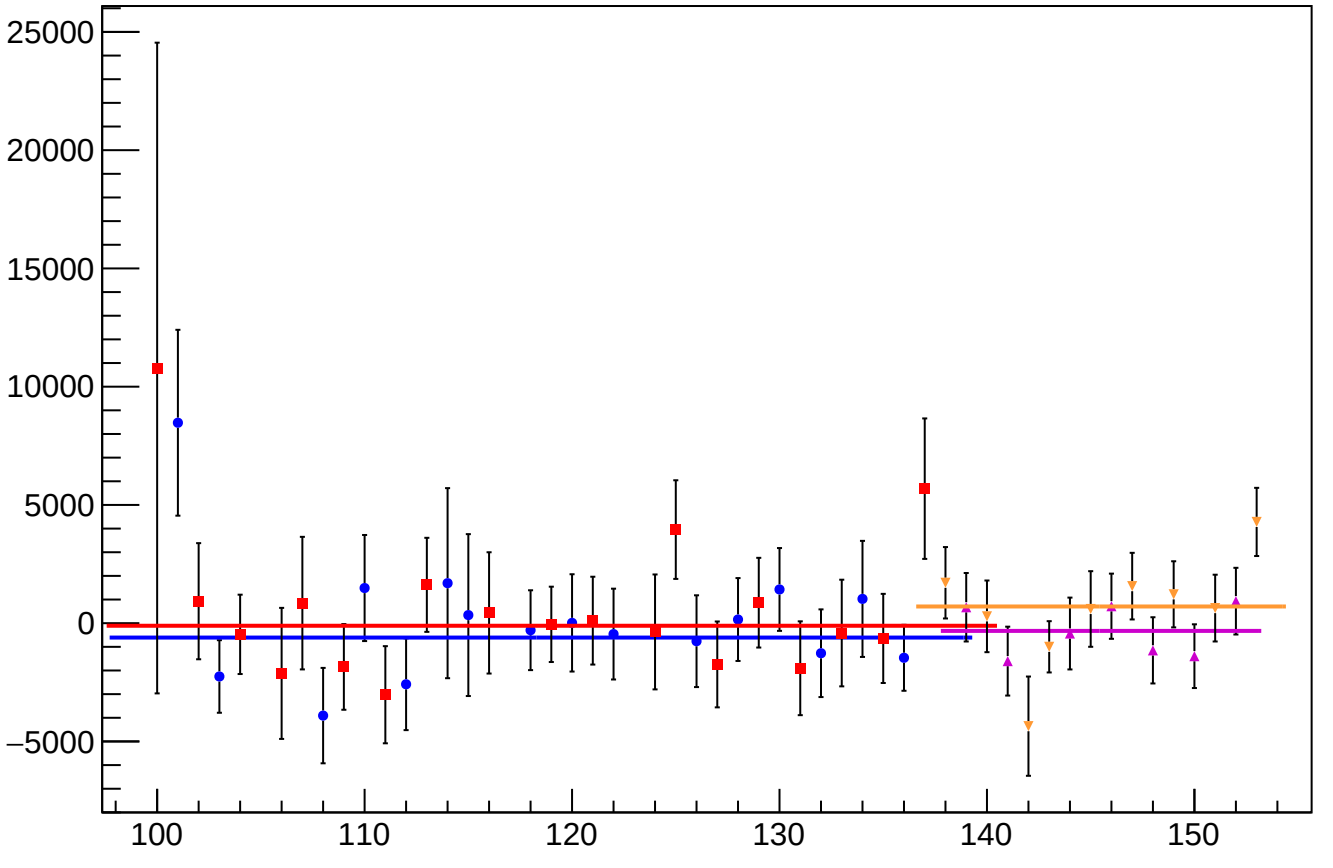
Left: 3219.920+/-0.654 χ^2/NDF: 1844094.2/15

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3579.617+/-0.702 χ^2/NDF:573707.8/22

Out: 3036.495+/-0.589 χ^2/NDF:2018372.4/27

All: 3261.036+/-0.451 χ^2/NDF: 2943118.3/50



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 706.143+/-479.864 χ^2/NDF:15.5/8

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -326.169+/-536.661 χ^2/NDF:3.6/6

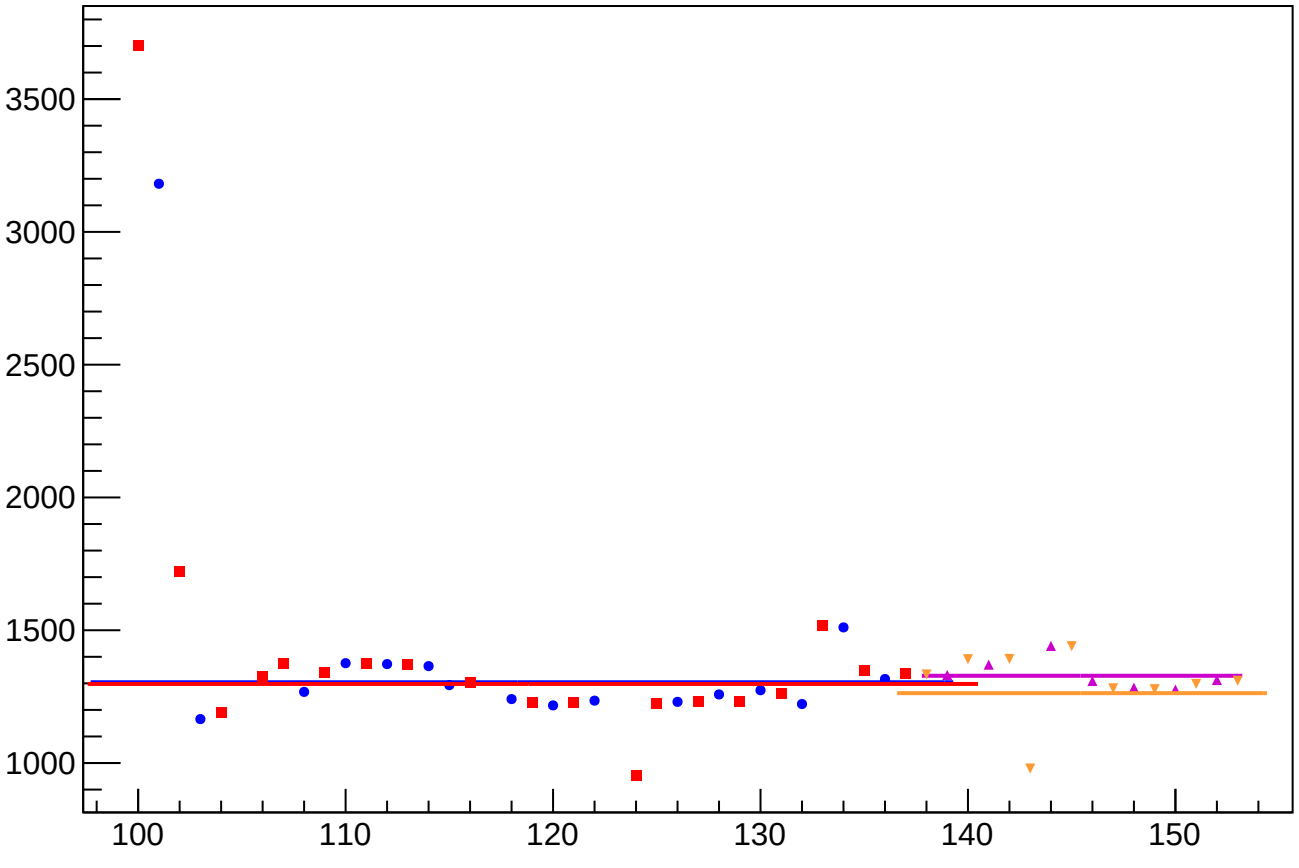
Left: 247.487+/-357.716 χ^2/NDF: 21.1/15

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -478.587+/-363.531 χ^2/NDF:17.8/22

Out: 303.565+/-341.308 χ^2/NDF:31.8/27

All: -62.876+/-248.827 χ^2/NDF: 52.1/50



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1263.148+/-0.339 χ^2/NDF:191690.1/8

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1328.595+/-0.379 χ^2/NDF:18306.6/6

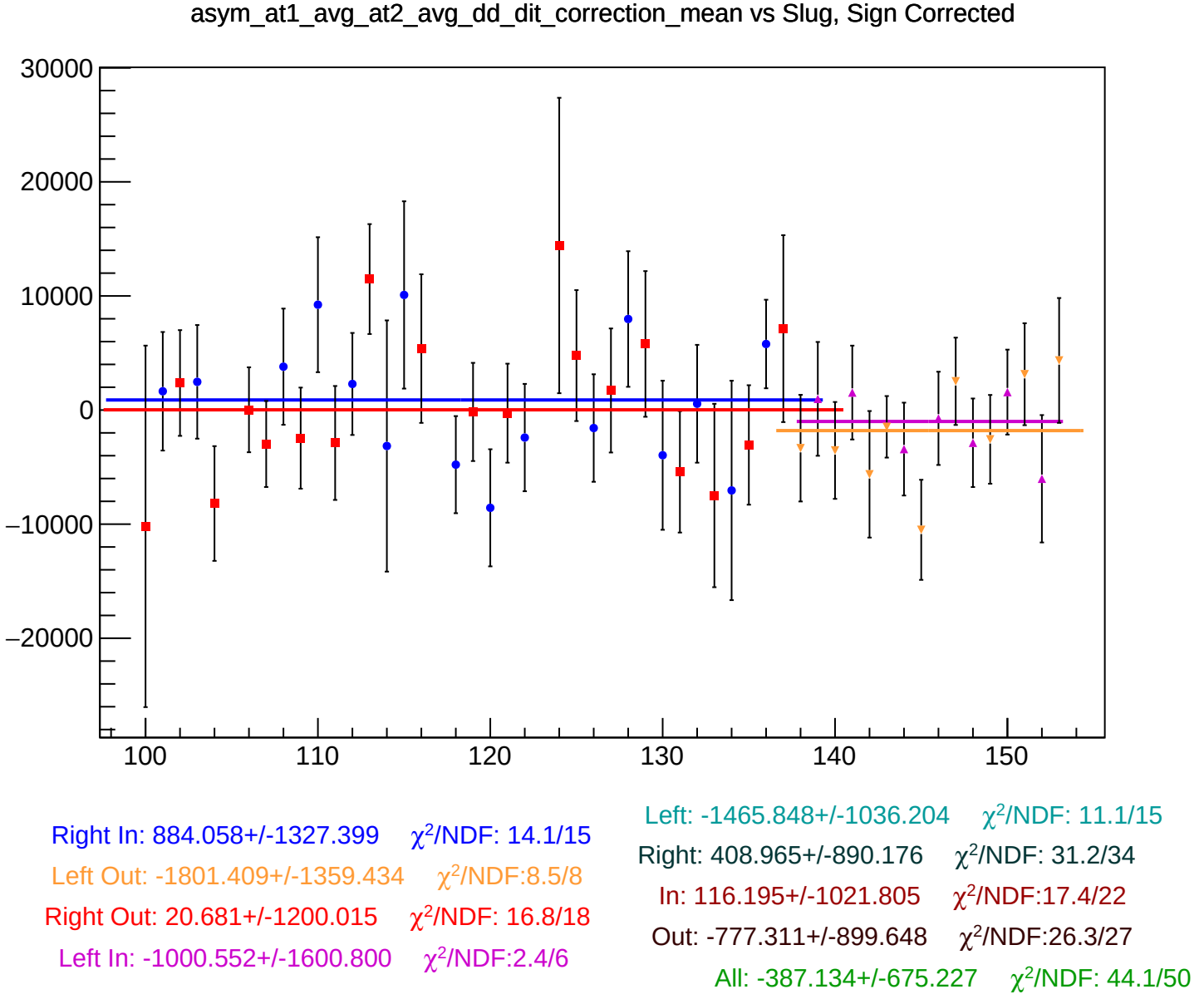
Left: 1292.226+/-0.253 χ^2/NDF: 226525.8/15

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

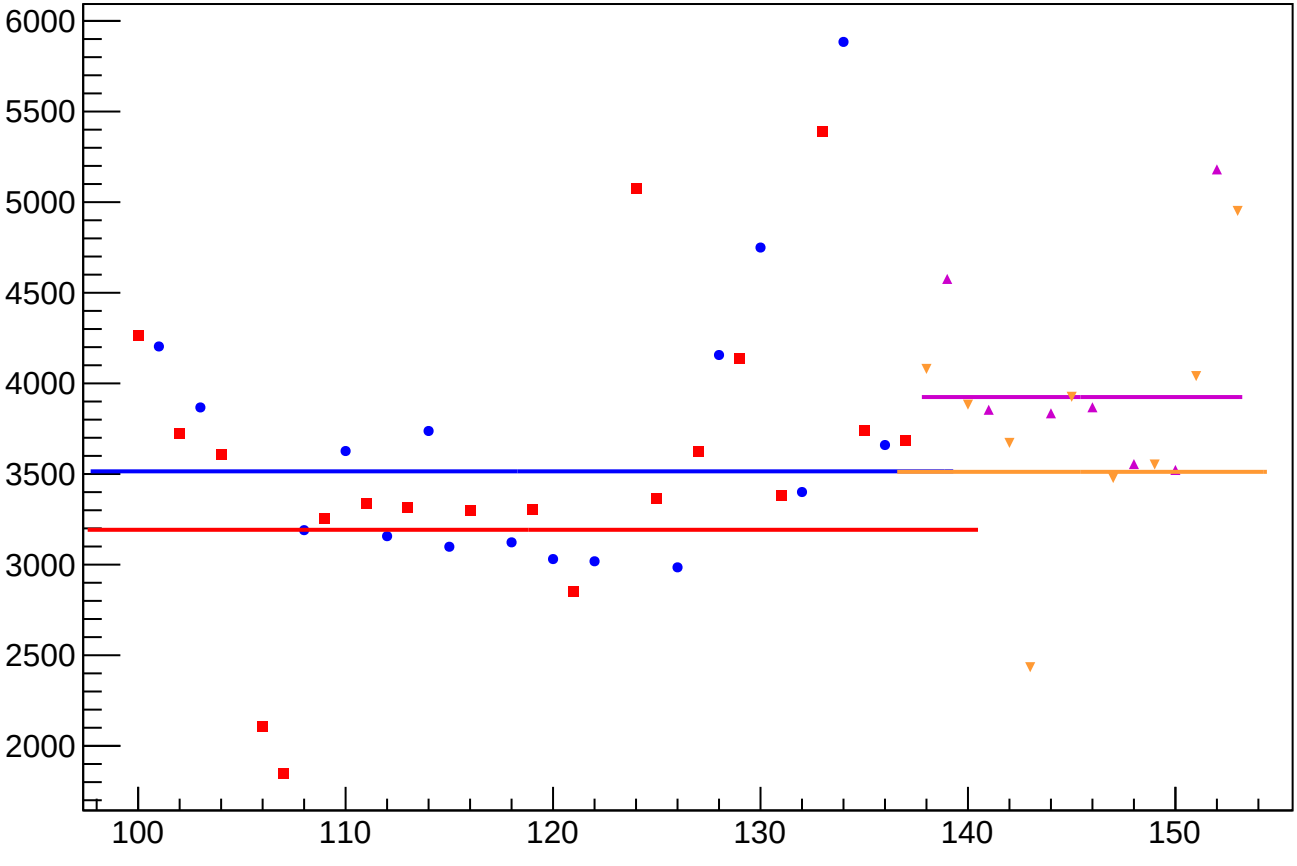
In: 1315.341+/-0.257 χ^2/NDF:531150.3/22

Out: 1280.281+/-0.241 χ^2/NDF:409942.8/27

All: 1296.700+/-0.176 χ^2/NDF: 950983.9/50


asym_at1_avg_at2_avg_dd_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
Right In: 884.058+/-1327.399 χ²/NDF: 14.1/15
Left Out: -1801.409+/-1359.434 χ²/NDF:8.5/8
Right Out: 20.681+/-1200.015 χ²/NDF: 16.8/18
Left In: -1000.552+/-1600.800 χ²/NDF:2.4/6
Left: -1465.848+/-1036.204 χ²/NDF: 11.1/15
Right: 408.965+/-890.176 χ²/NDF: 31.2/34
In: 116.195+/-1021.805 χ²/NDF:17.4/22
Out: -777.311+/-899.648 χ²/NDF:26.3/27
All: -387.134+/-675.227 χ²/NDF: 44.1/50

asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 3512.006+/-0.961 χ^2/NDF:550482.3/8

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 3924.685+/-1.132 χ^2/NDF:178886.7/6

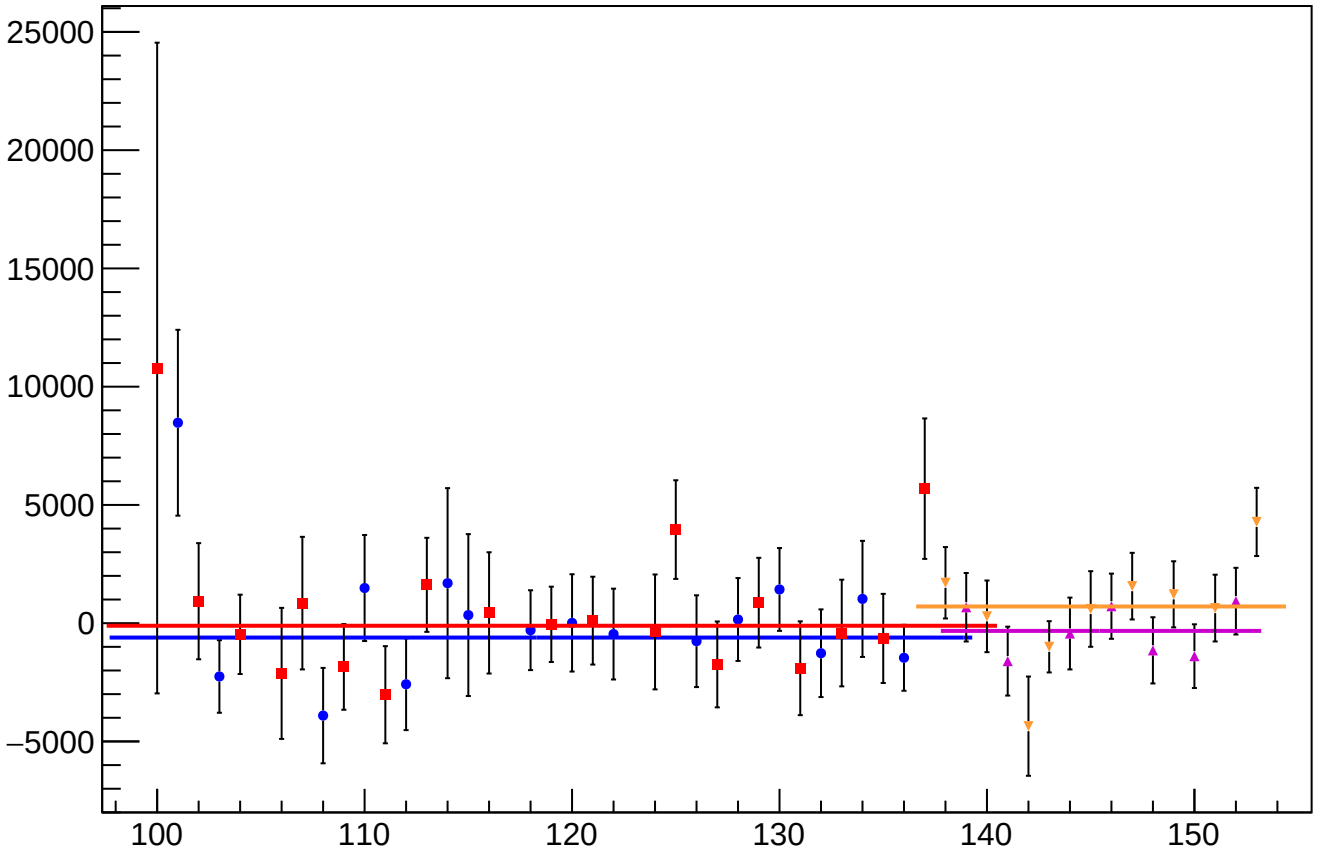
Left: 3684.920+/-0.733 χ^2/NDF: 806593.4/15

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3681.771+/-0.723 χ^2/NDF:631684.5/22

Out: 3332.262+/-0.636 χ^2/NDF:1385186.5/27

All: 3484.886+/-0.477 χ^2/NDF: 2148685.8/50



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 706.142+/-479.864 χ^2/NDF:15.5/8

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -326.168+/-536.661 χ^2/NDF:3.6/6

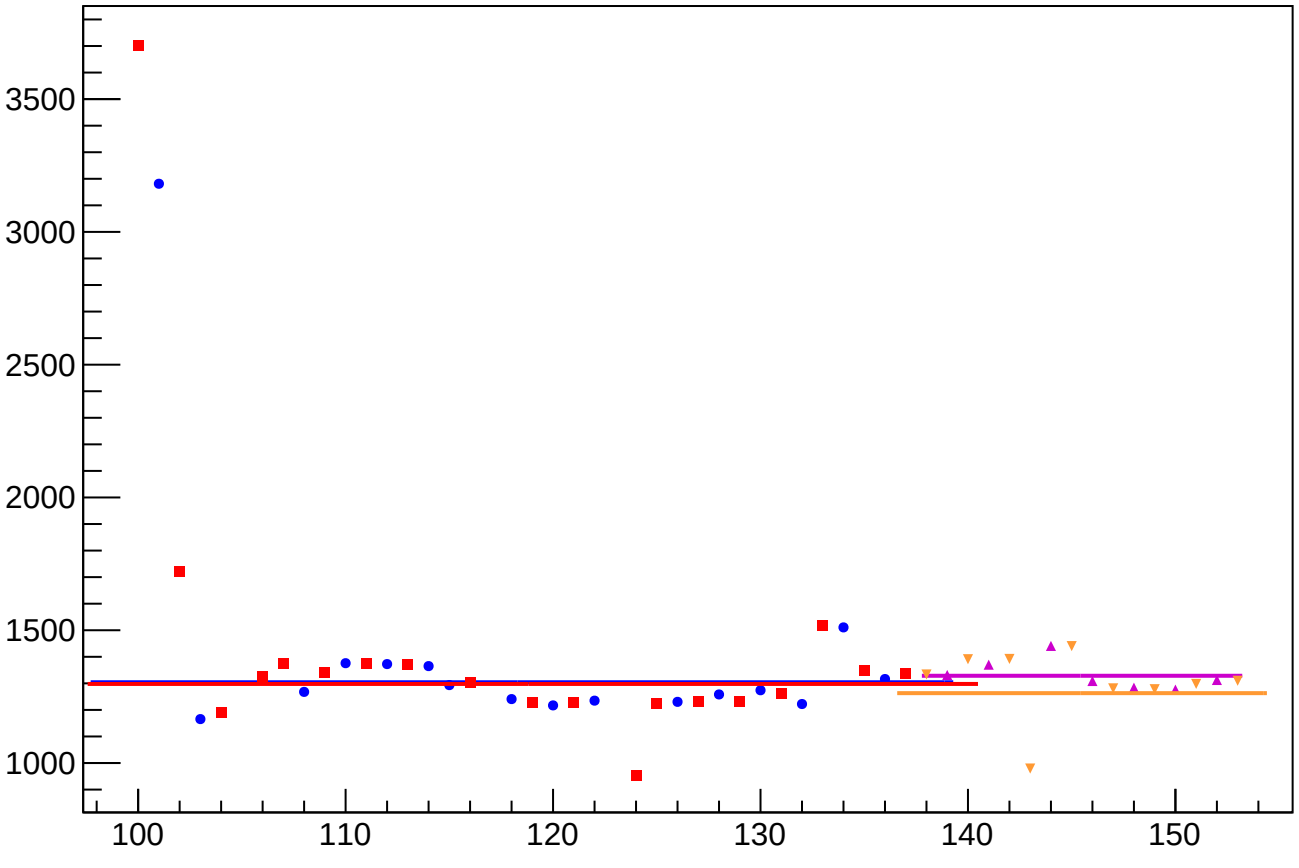
Left: 247.487+/-357.716 χ^2/NDF: 21.1/15

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -478.589+/-363.531 χ^2/NDF:17.8/22

Out: 303.562+/-341.309 χ^2/NDF:31.8/27

All: -62.878+/-248.827 χ^2/NDF: 52.1/50



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1263.149+/-0.339 χ^2/NDF:191690.4/8

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1328.596+/-0.379 χ^2/NDF:18306.7/6

Left: 1292.227+/-0.253 χ^2/NDF: 226526.2/15

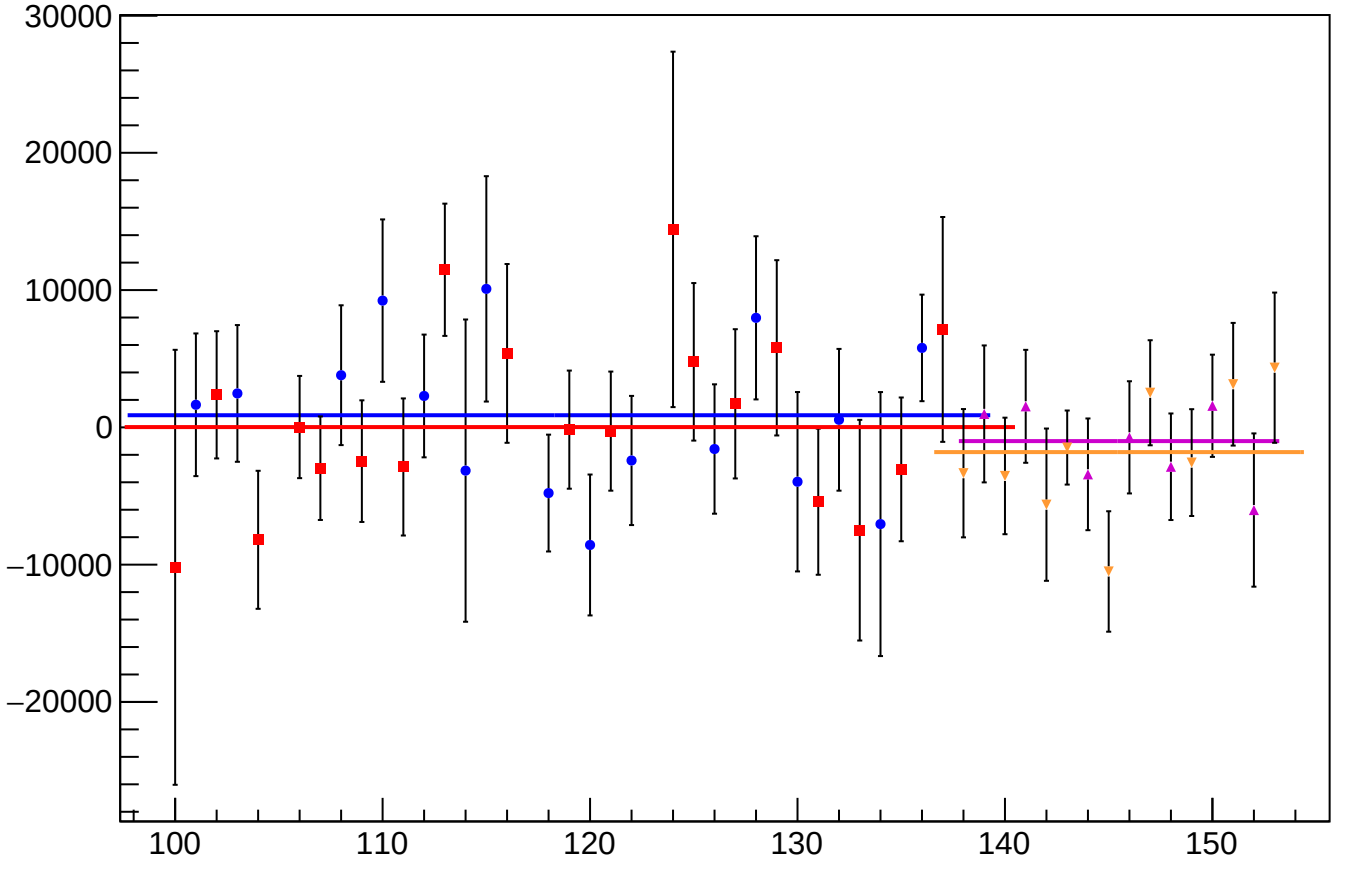
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1315.341+/-0.257 χ^2/NDF:531150.7/22

Out: 1280.281+/-0.241 χ^2/NDF:409942.9/27

All: 1296.701+/-0.176 χ^2/NDF: 950984.4/50

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: -1801.407+/-1359.436 χ^2/NDF:8.5/8

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -1000.550+/-1600.802 χ^2/NDF:2.4/6

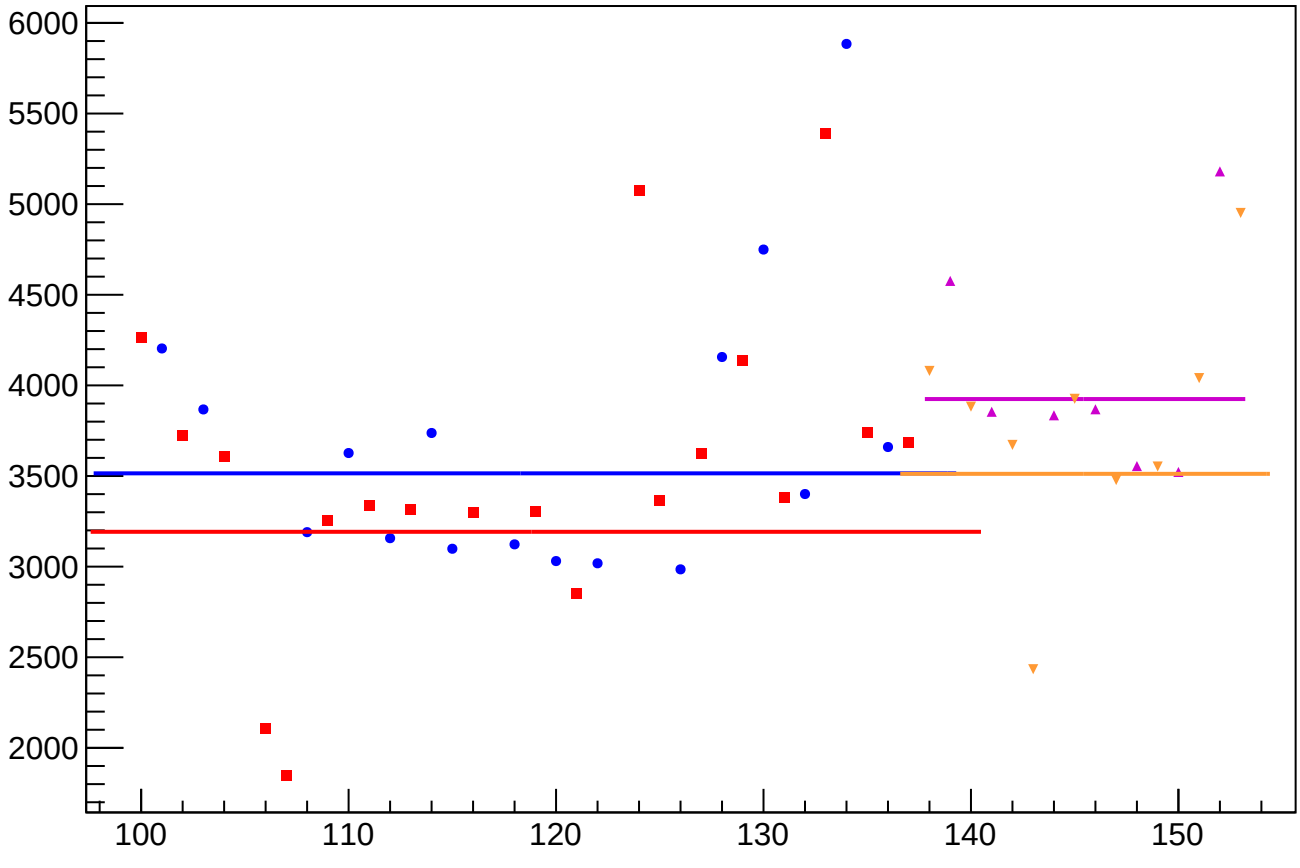
Left: -1465.846+/-1036.205 χ^2/NDF: 11.1/15

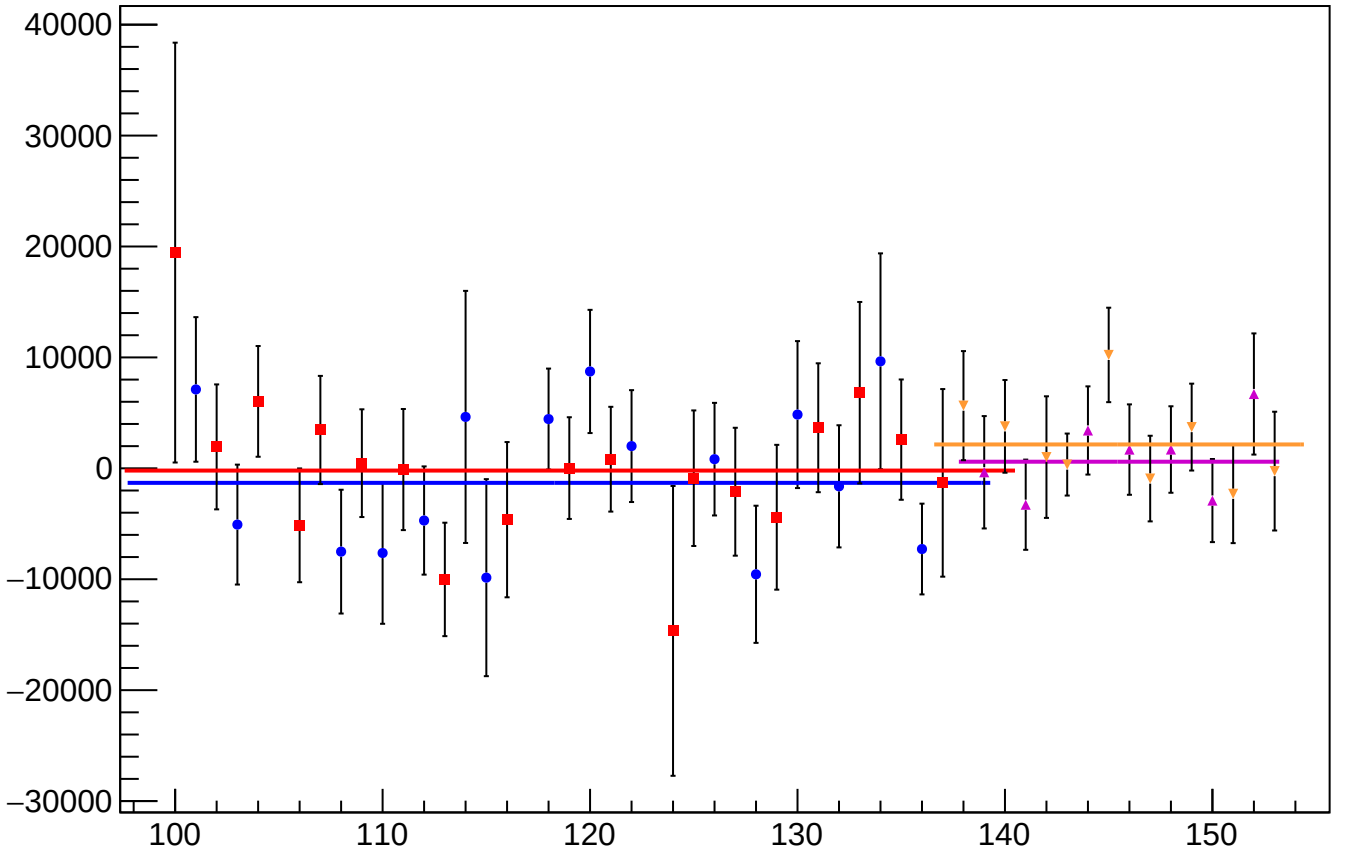
Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 116.193+/-1021.804 χ^2/NDF:17.4/22

Out: -777.309+/-899.647 χ^2/NDF:26.3/27

All: -387.134+/-675.227 χ^2/NDF: 44.1/50


asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
6000
5500
5000
4500
4000
3500
3000
2500
2000
100
110
120
130
140
150
Right In: 3514.737+/-0.939 χ²/NDF: 375082.8/15
Left Out: 3512.011+/-0.961 χ²/NDF:550482.5/8
Right Out: 3192.196+/-0.849 χ²/NDF: 772497.9/18
Left In: 3924.690+/-1.132 χ²/NDF:178887.3/6
Left: 3684.924+/-0.733 χ²/NDF: 806594.1/15
Right: 3337.251+/-0.629 χ²/NDF: 1212560.4/34
In: 3681.767+/-0.723 χ²/NDF:631694.7/22
Out: 3332.259+/-0.636 χ²/NDF:1385193.9/27
All: 3484.882+/-0.477 χ²/NDF: 2148702.6/50



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 2152.955+/-1370.040 χ^2/NDF:6.7/8

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 596.327+/-1594.326 χ^2/NDF:3.7/6

Left: 1491.746+/-1039.092 χ^2/NDF: 11.0/15

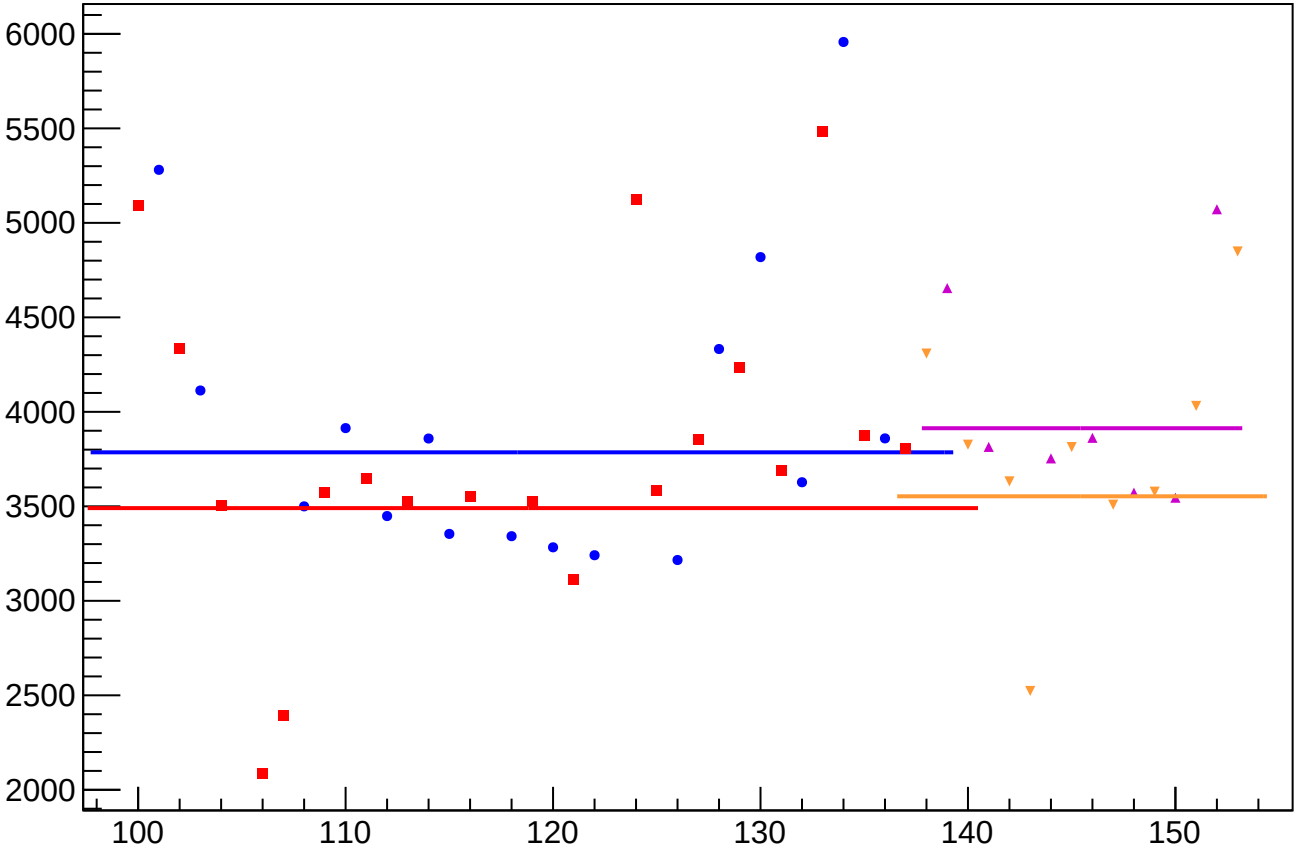
Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -458.682+/-1065.203 χ^2/NDF:22.1/22

Out: 946.121+/-956.525 χ^2/NDF:19.9/27

All: 319.017+/-711.696 χ^2/NDF: 42.9/50

asym_at1_avg_at2_avg_dd_rms vs Slug, Sign Corrected



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3553.105+/-0.969 χ^2/NDF:475775.6/8

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 3913.340+/-1.127 χ^2/NDF:172116.9/6

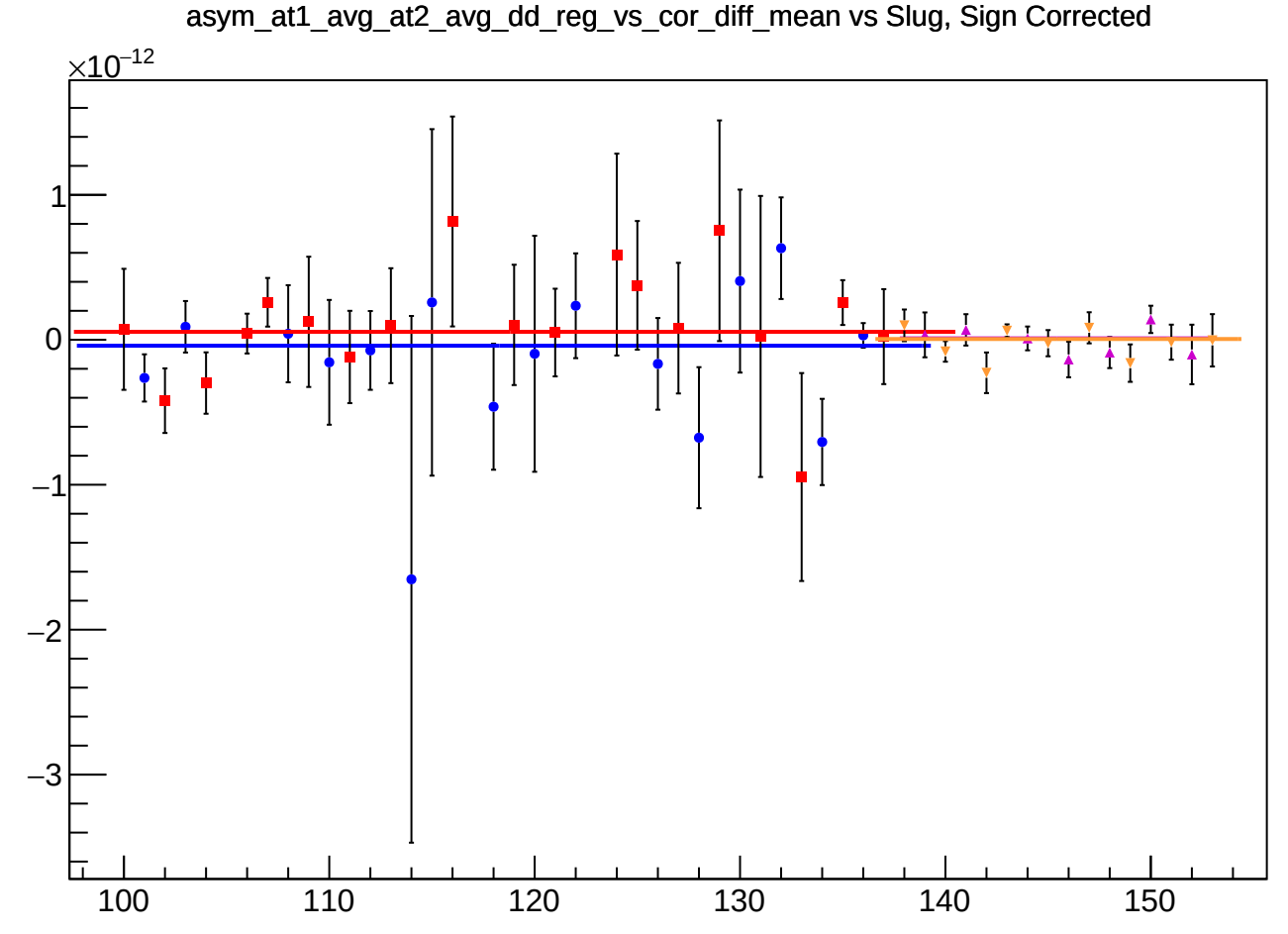
Left: 3706.122+/-0.735 χ^2/NDF: 706626.1/15

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3842.717+/-0.753 χ^2/NDF:562198.3/22

Out: 3520.647+/-0.672 χ^2/NDF:1064652.1/27

All: 3663.293+/-0.501 χ^2/NDF: 1728709.5/50



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.0/8

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:4.8/6

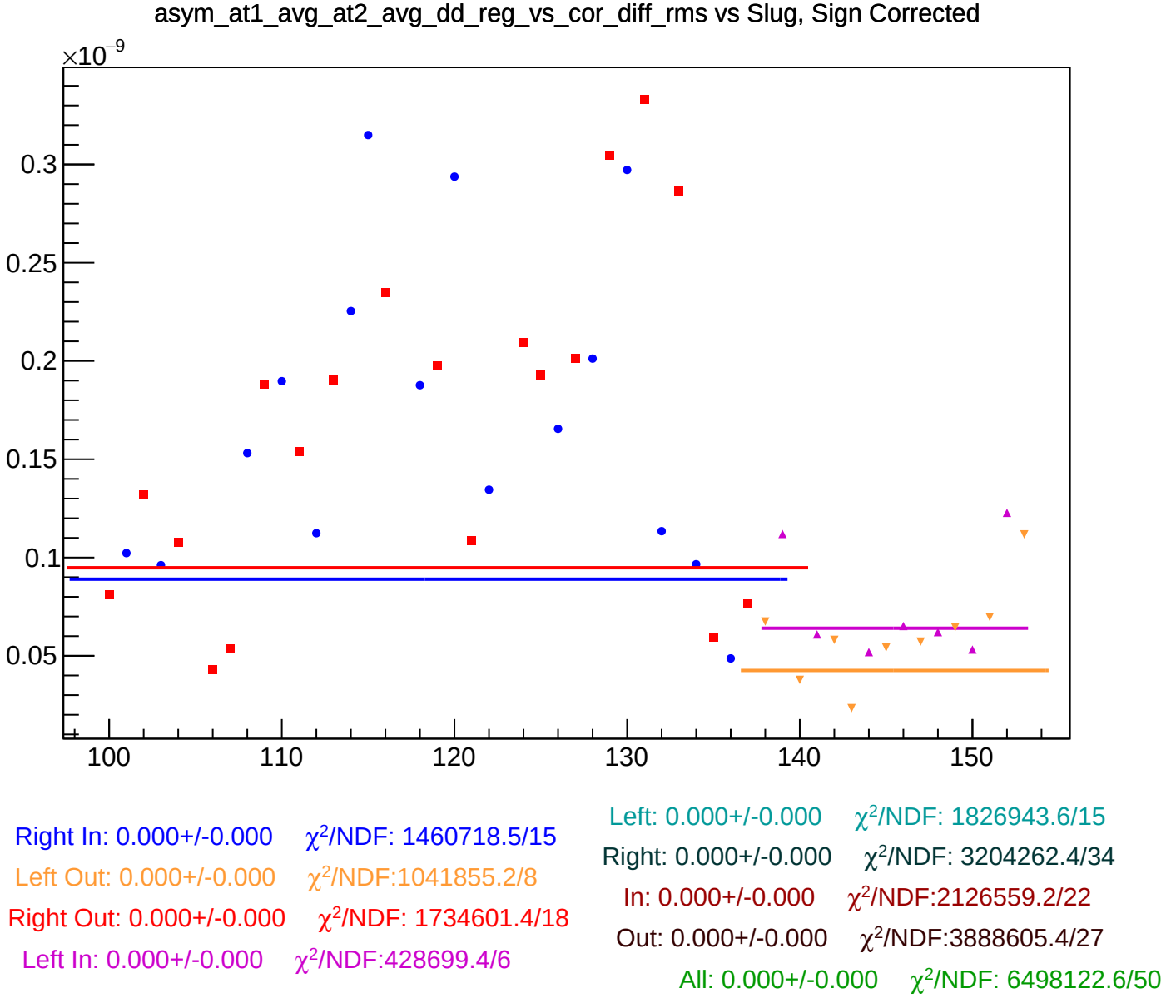
Left: 0.000+/-0.000 χ^2/NDF: 13.8/15

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

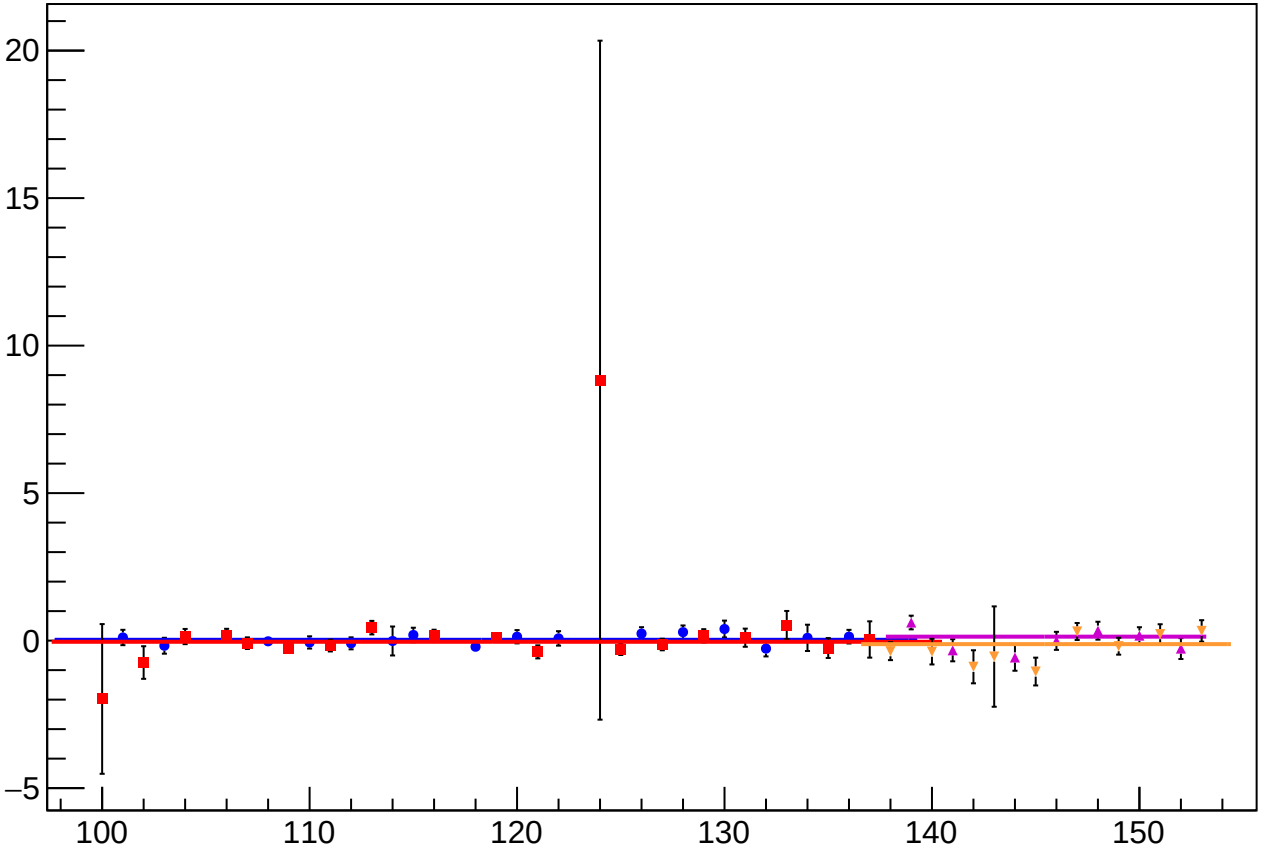
In: -0.000+/-0.000 χ^2/NDF:21.9/22

Out: 0.000+/-0.000 χ^2/NDF:25.4/27

All: 0.000+/-0.000 χ^2/NDF: 47.5/50


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1460718.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1041855.2/8
Right Out: 0.000+/-0.000 χ²/NDF: 1734601.4/18
Left In: 0.000+/-0.000 χ²/NDF:428699.4/6
Left: 0.000+/-0.000 χ²/NDF: 1826943.6/15
Right: 0.000+/-0.000 χ²/NDF: 3204262.4/34
In: 0.000+/-0.000 χ²/NDF:2126559.2/22
Out: 0.000+/-0.000 χ²/NDF:3888605.4/27
All: 0.000+/-0.000 χ²/NDF: 6498122.6/50

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: -0.119+/-0.124 χ^2/NDF:11.6/8

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.134+/-0.117 χ^2/NDF:10.2/6

Left: 0.014+/-0.085 χ^2/NDF: 24.0/15

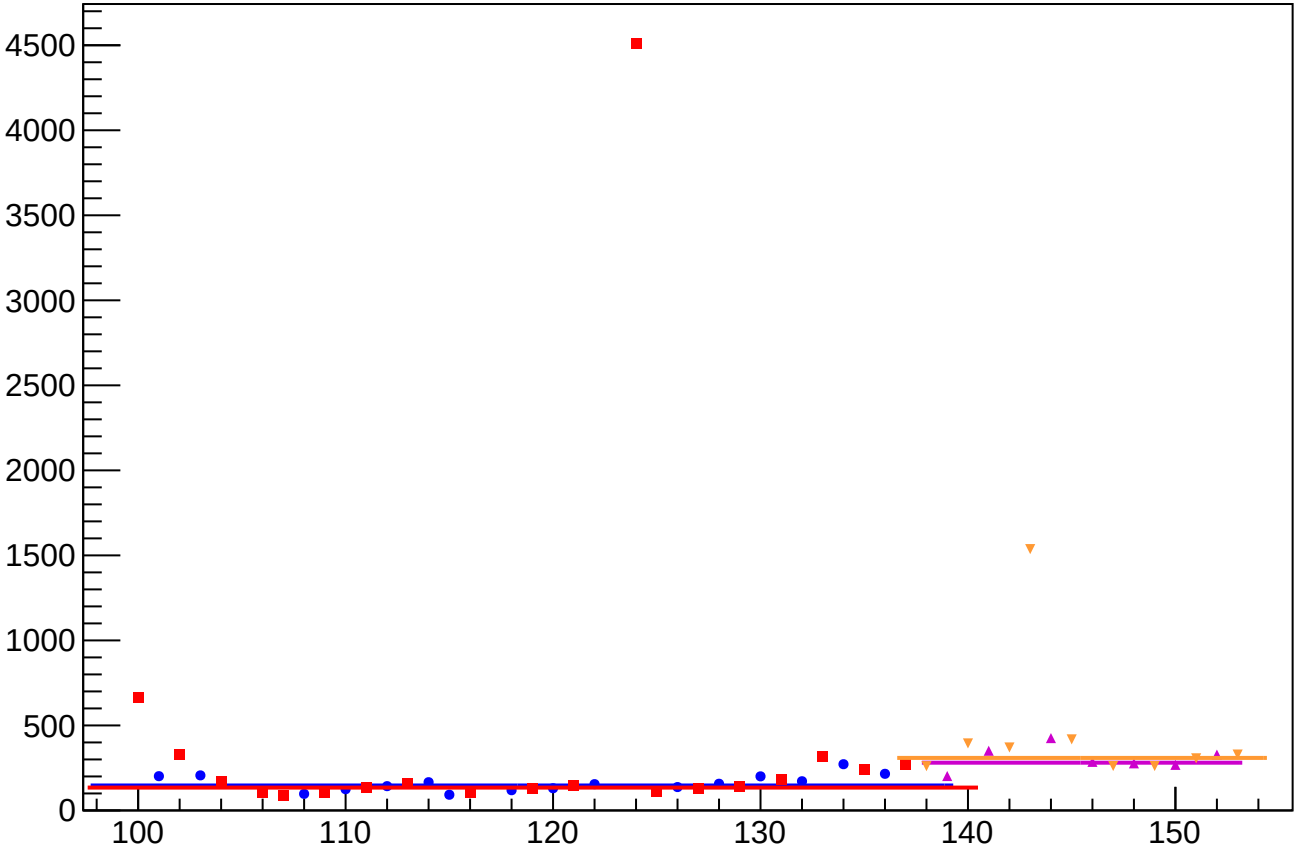
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.049+/-0.052 χ^2/NDF:20.3/22

Out: -0.052+/-0.050 χ^2/NDF:32.0/27

All: -0.003+/-0.036 χ^2/NDF: 54.2/50

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: 309.010+/-0.088 χ^2/NDF:1418308.9/8

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 280.884+/-0.083 χ^2/NDF:544153.6/6

Left: 294.187+/-0.060 χ^2/NDF: 2016700.9/15

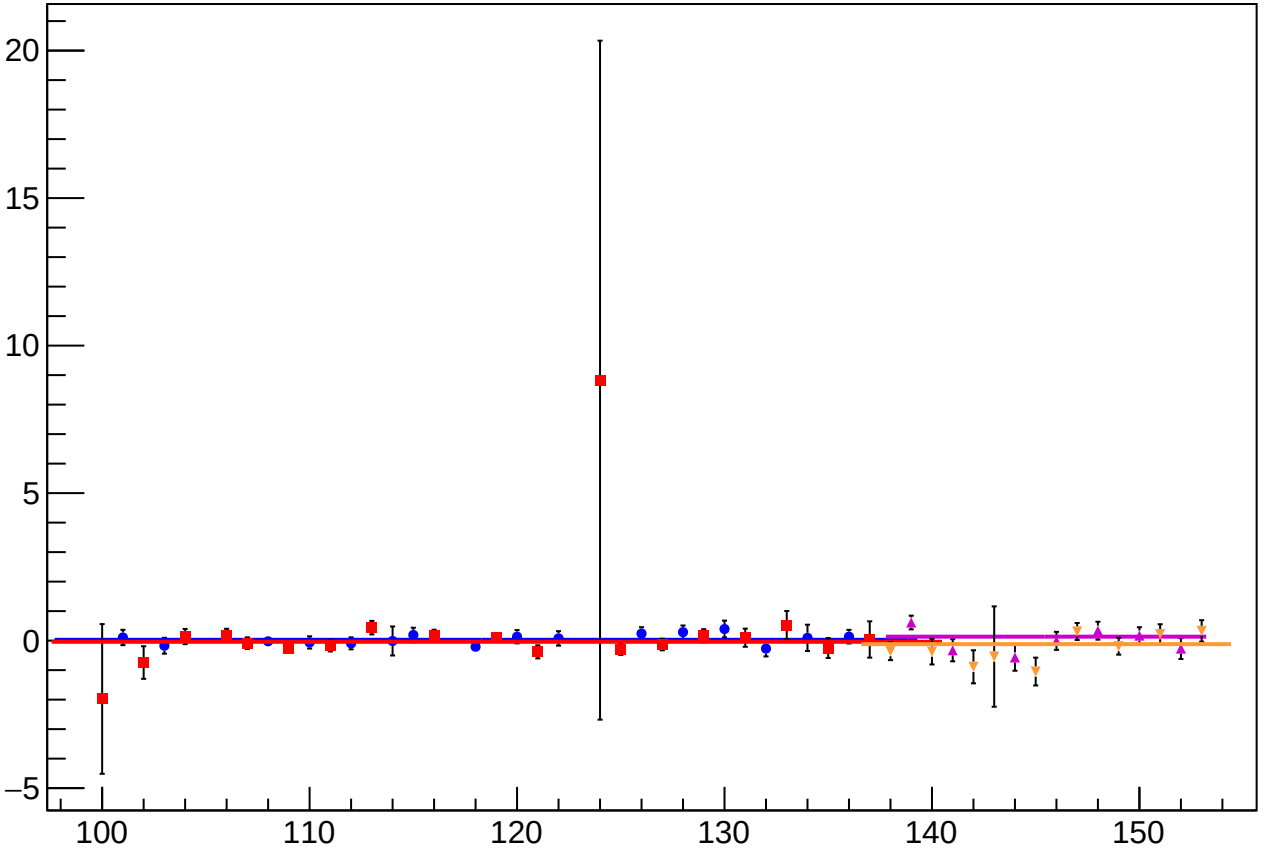
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 172.891+/-0.037 χ^2/NDF:3641488.3/22

Out: 163.004+/-0.035 χ^2/NDF:6339368.0/27

All: 167.784+/-0.025 χ^2/NDF: 10018509.5/50

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: -0.119+/-0.124 χ^2/NDF:11.6/8

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.134+/-0.117 χ^2/NDF:10.2/6

Left: 0.014+/-0.085 χ^2/NDF: 24.0/15

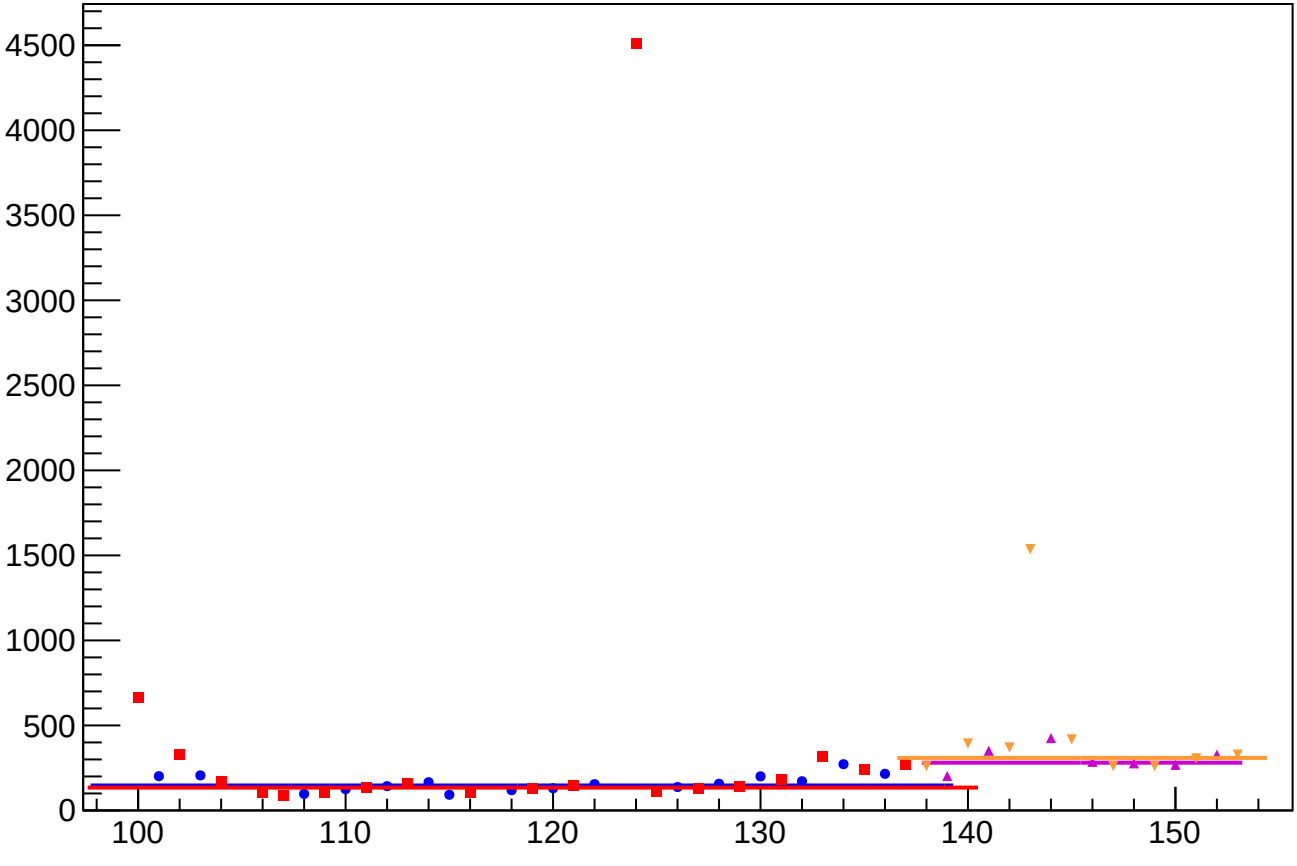
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.049+/-0.052 χ^2/NDF:20.3/22

Out: -0.052+/-0.050 χ^2/NDF:32.0/27

All: -0.003+/-0.036 χ^2/NDF: 54.2/50

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: 309.010+/-0.088 χ^2/NDF:1418308.9/8

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 280.884+/-0.083 χ^2/NDF:544153.6/6

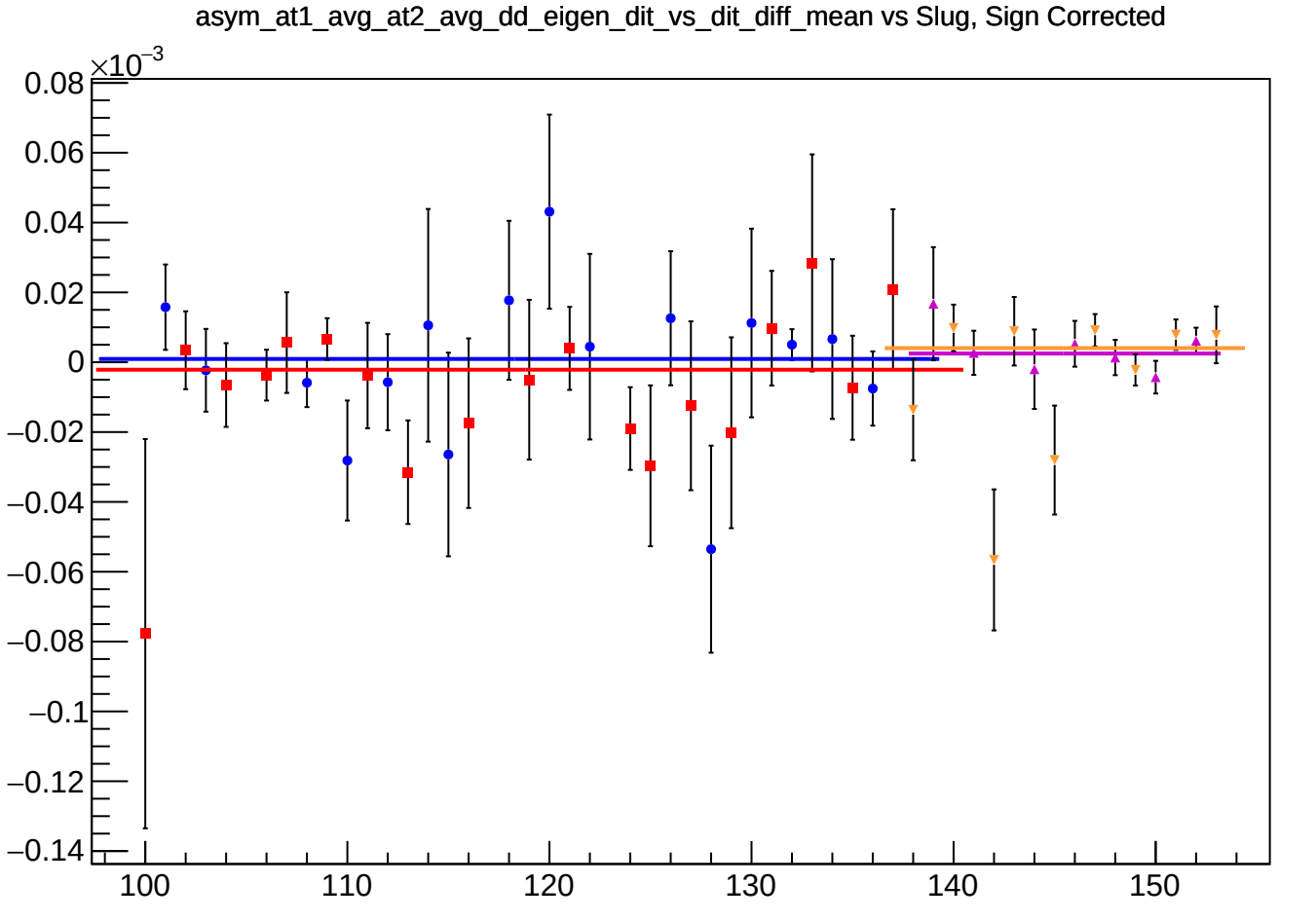
Left: 294.187+/-0.060 χ^2/NDF: 2016700.9/15

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

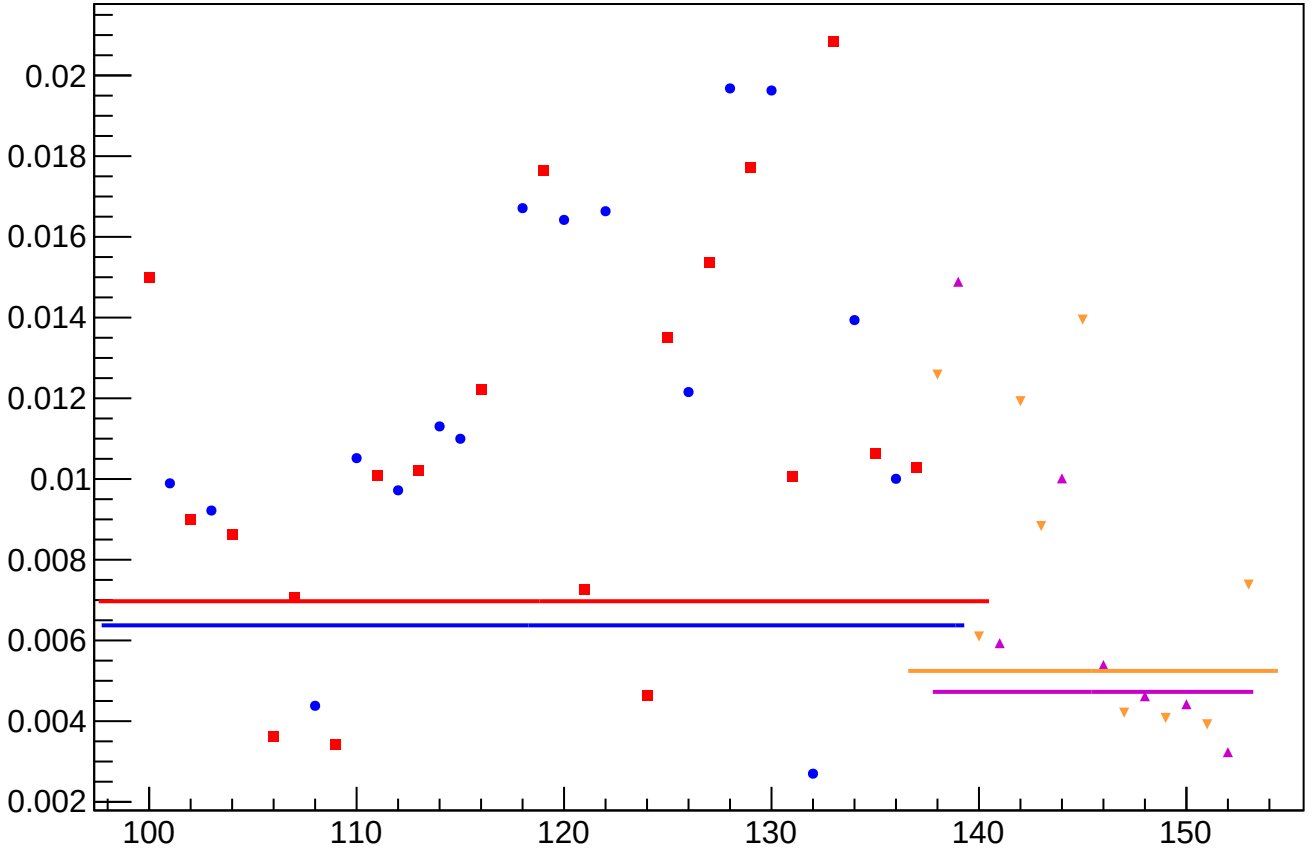
In: 172.891+/-0.037 χ^2/NDF:3641488.3/22

Out: 163.004+/-0.035 χ^2/NDF:6339368.0/27

All: 167.784+/-0.025 χ^2/NDF: 10018509.5/50


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
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: 0.000+/-0.000 χ²/NDF:19.9/8
Right Out: -0.000+/-0.000 χ²/NDF: 16.0/18
Left In: 0.000+/-0.000 χ²/NDF:4.2/6
Left: 0.000+/-0.000 χ²/NDF: 24.4/15
Right: -0.000+/-0.000 χ²/NDF: 31.5/34
In: 0.000+/-0.000 χ²/NDF:19.3/22
Out: 0.000+/-0.000 χ²/NDF:38.7/27
All: 0.000+/-0.000 χ²/NDF: 58.0/50

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: 0.005+/-0.000 χ^2/NDF:2216600.2/8

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:1642592.5/6

Left: 0.005+/-0.000 χ^2/NDF: 3916555.8/15

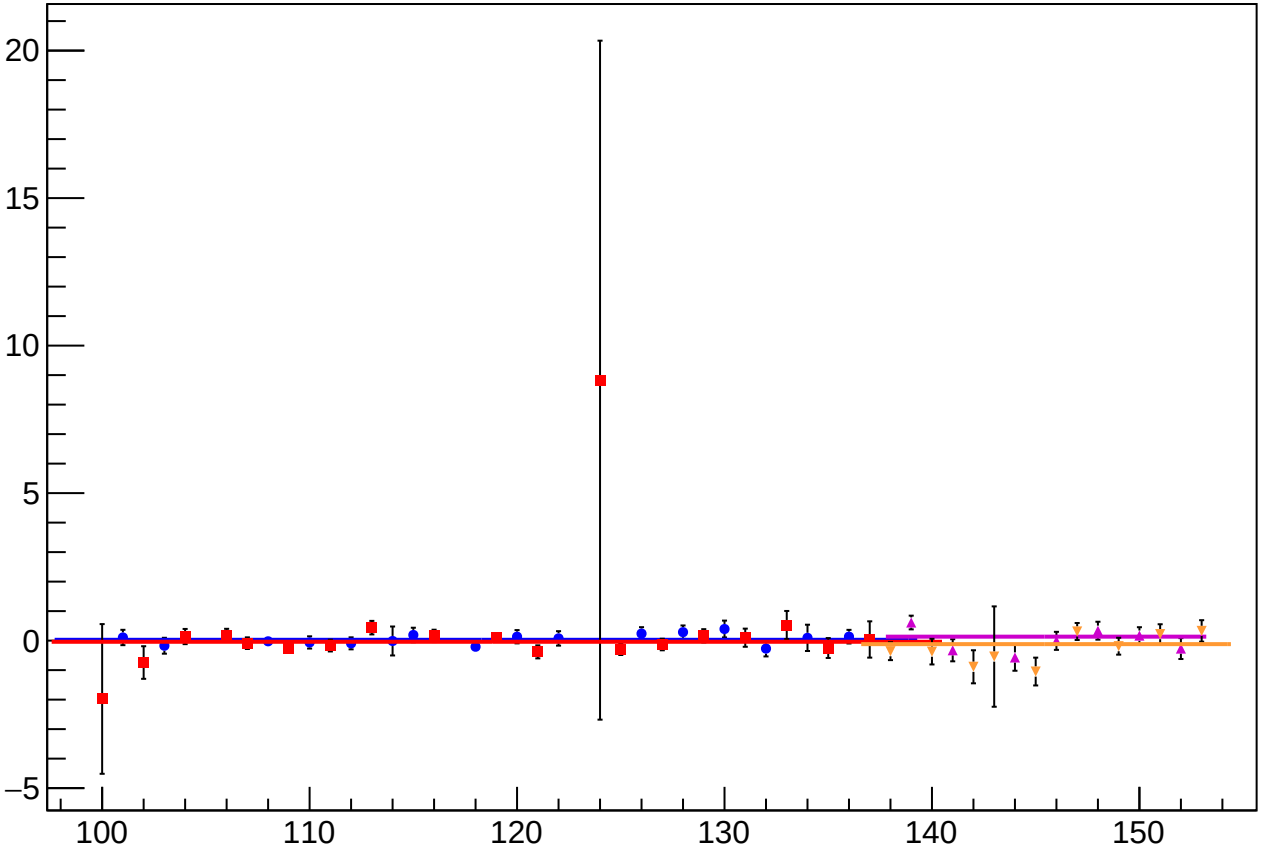
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.005+/-0.000 χ^2/NDF:6694531.2/22

Out: 0.006+/-0.000 χ^2/NDF:6056102.4/27

All: 0.006+/-0.000 χ^2/NDF: 12845103.5/50

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: -0.119+/-0.124 χ^2/NDF:11.6/8

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.134+/-0.117 χ^2/NDF:10.2/6

Left: 0.014+/-0.085 χ^2/NDF: 24.0/15

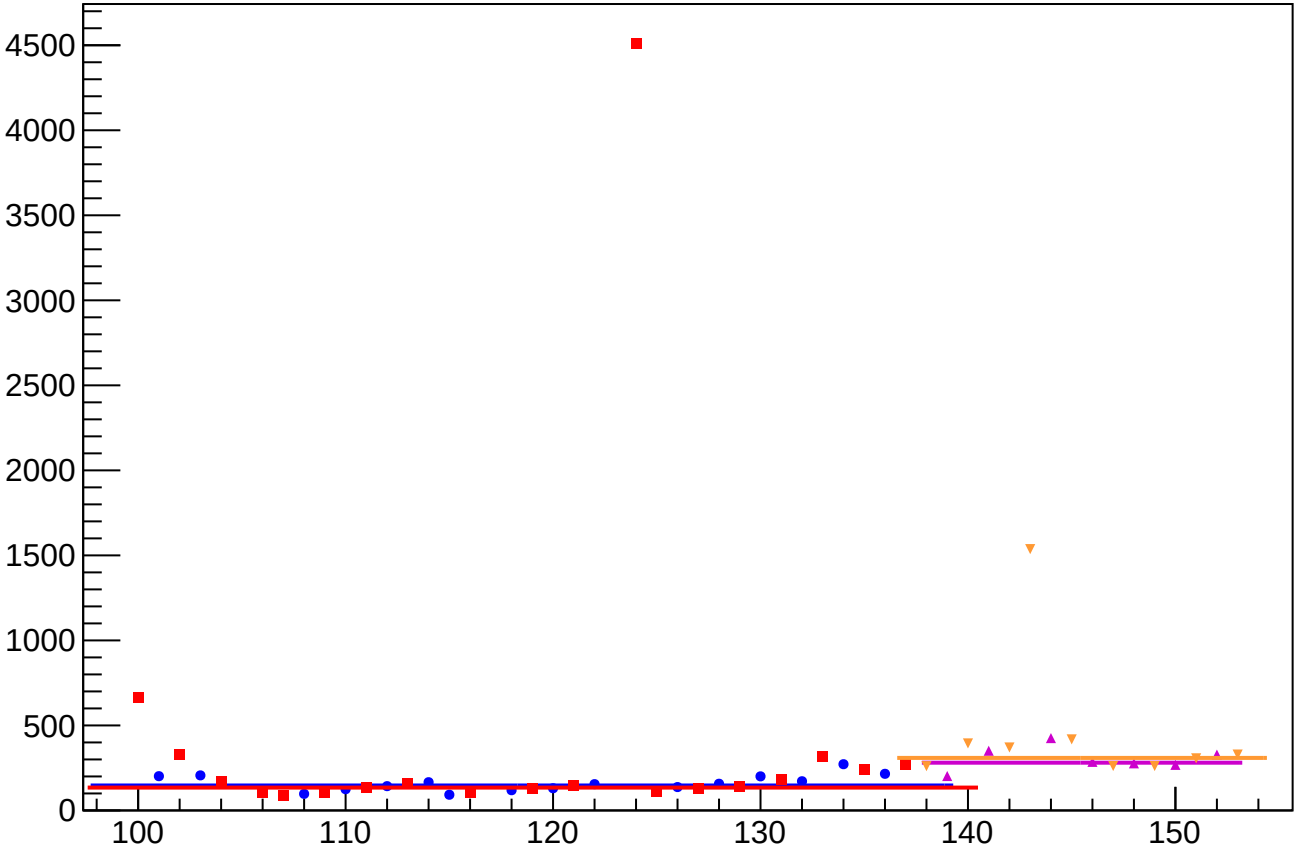
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.049+/-0.052 χ^2/NDF:20.3/22

Out: -0.052+/-0.050 χ^2/NDF:32.0/27

All: -0.003+/-0.036 χ^2/NDF: 54.2/50

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: 309.013+/-0.088 χ^2/NDF:1418308.0/8

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 280.888+/-0.083 χ^2/NDF:544132.6/6

Left: 294.190+/-0.060 χ^2/NDF: 2016675.6/15

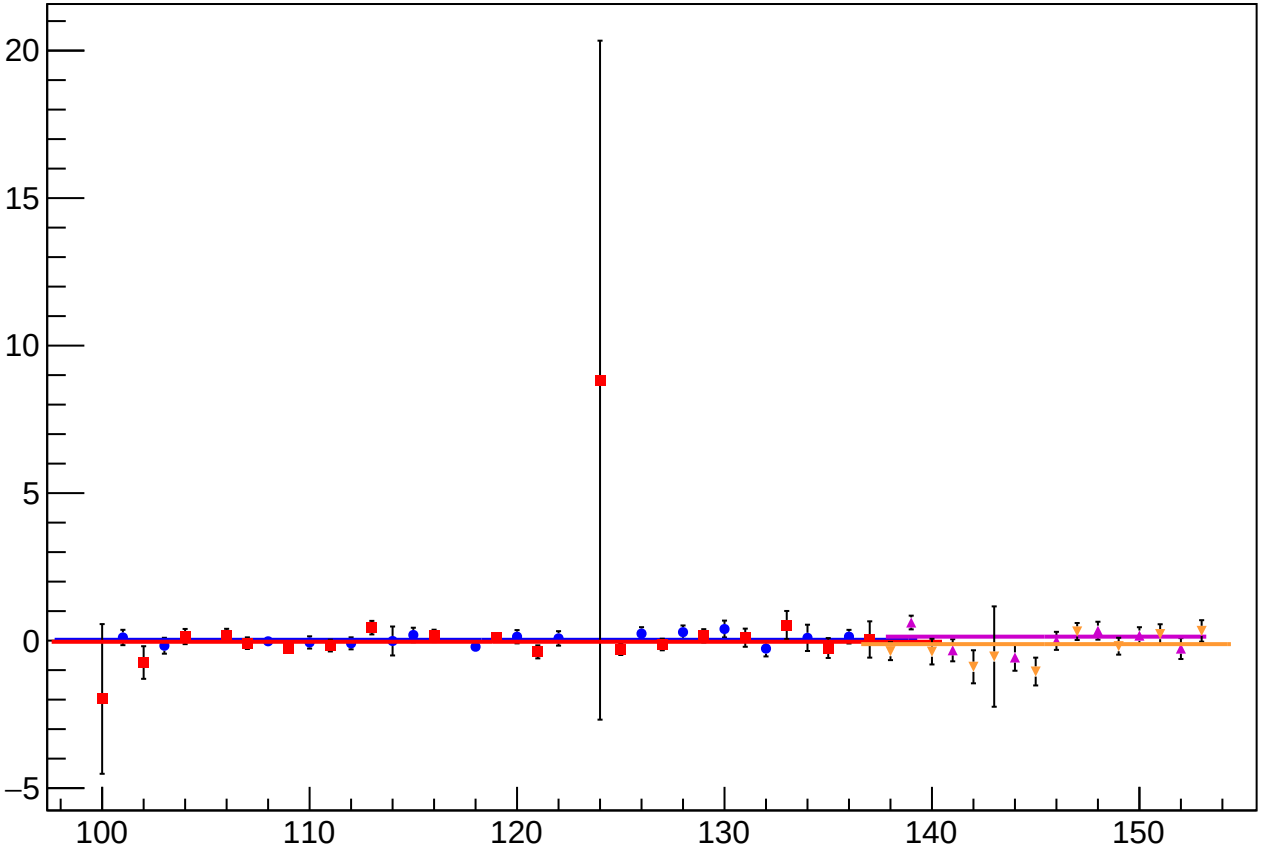
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 172.891+/-0.037 χ^2/NDF:3641488.5/22

Out: 163.005+/-0.035 χ^2/NDF:6339304.9/27

All: 167.785+/-0.025 χ^2/NDF: 10018436.1/50

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: -0.119+/-0.124 χ^2/NDF:11.6/8

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.134+/-0.117 χ^2/NDF:10.2/6

Left: 0.014+/-0.085 χ^2/NDF: 24.0/15

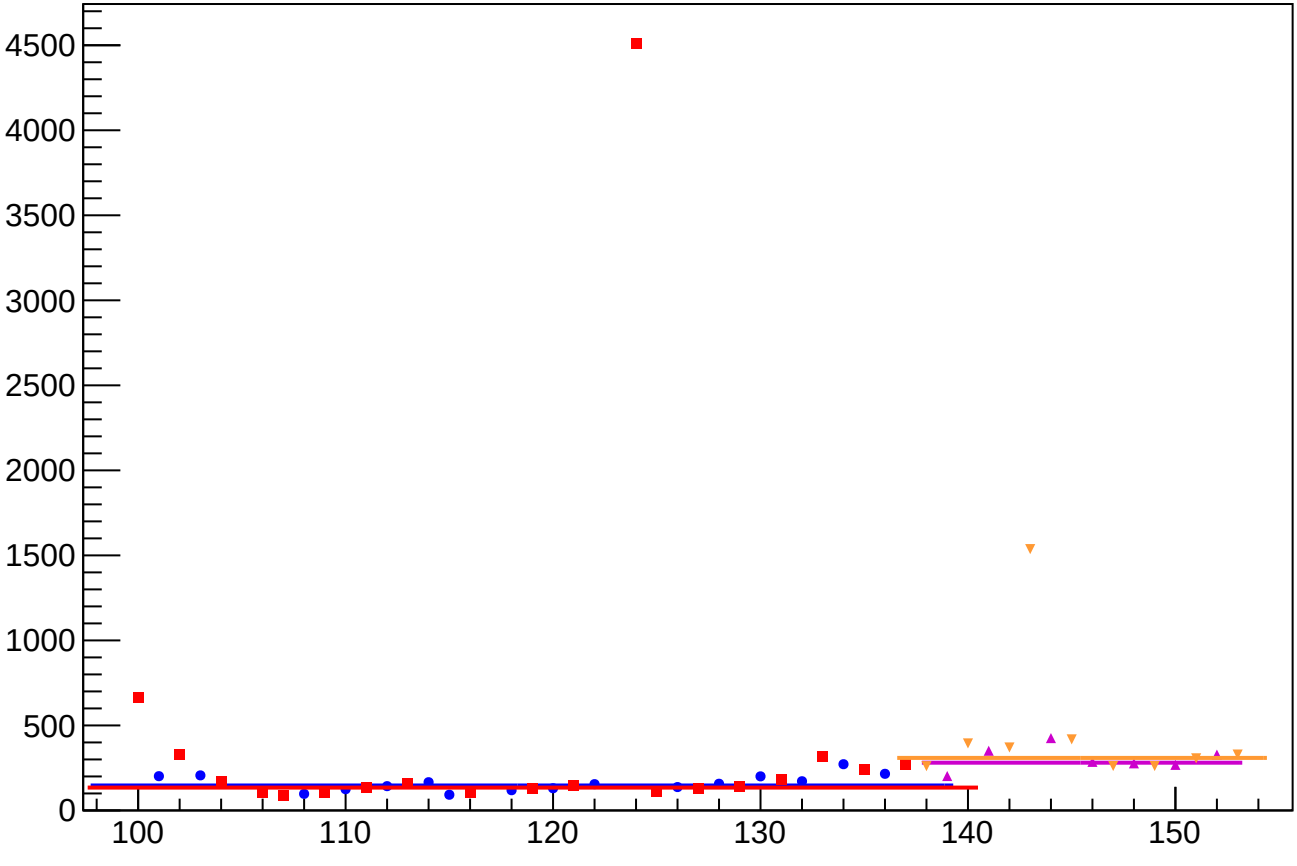
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.049+/-0.052 χ^2/NDF:20.3/22

Out: -0.052+/-0.050 χ^2/NDF:32.0/27

All: -0.003+/-0.036 χ^2/NDF: 54.2/50

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: 309.013+/-0.088 χ^2/NDF:1418308.0/8

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 280.888+/-0.083 χ^2/NDF:544132.6/6

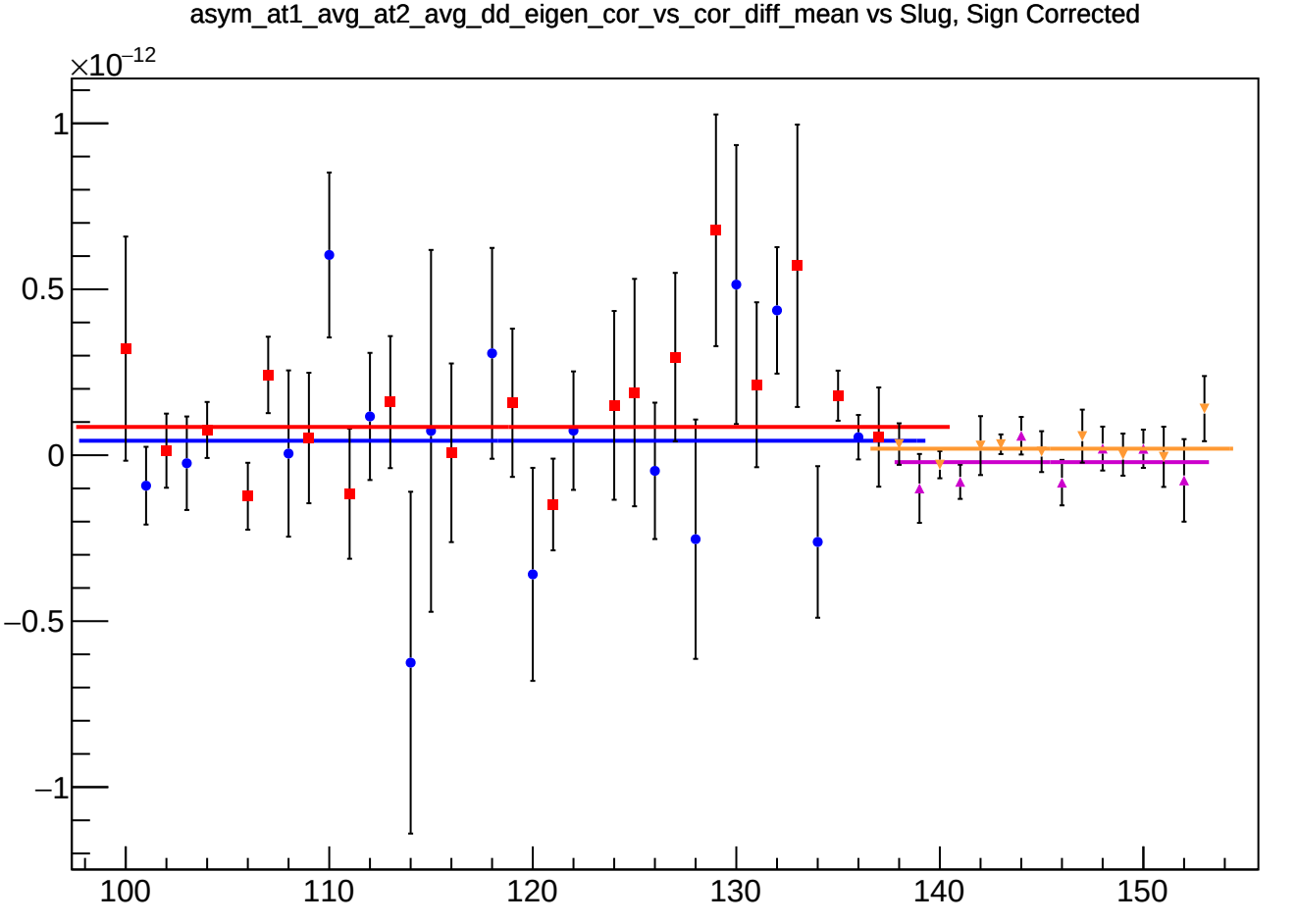
Left: 294.190+/-0.060 χ^2/NDF: 2016675.6/15

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 172.891+/-0.037 χ^2/NDF:3641488.5/22

Out: 163.005+/-0.035 χ^2/NDF:6339304.9/27

All: 167.785+/-0.025 χ^2/NDF: 10018436.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.6/8

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:5.8/6

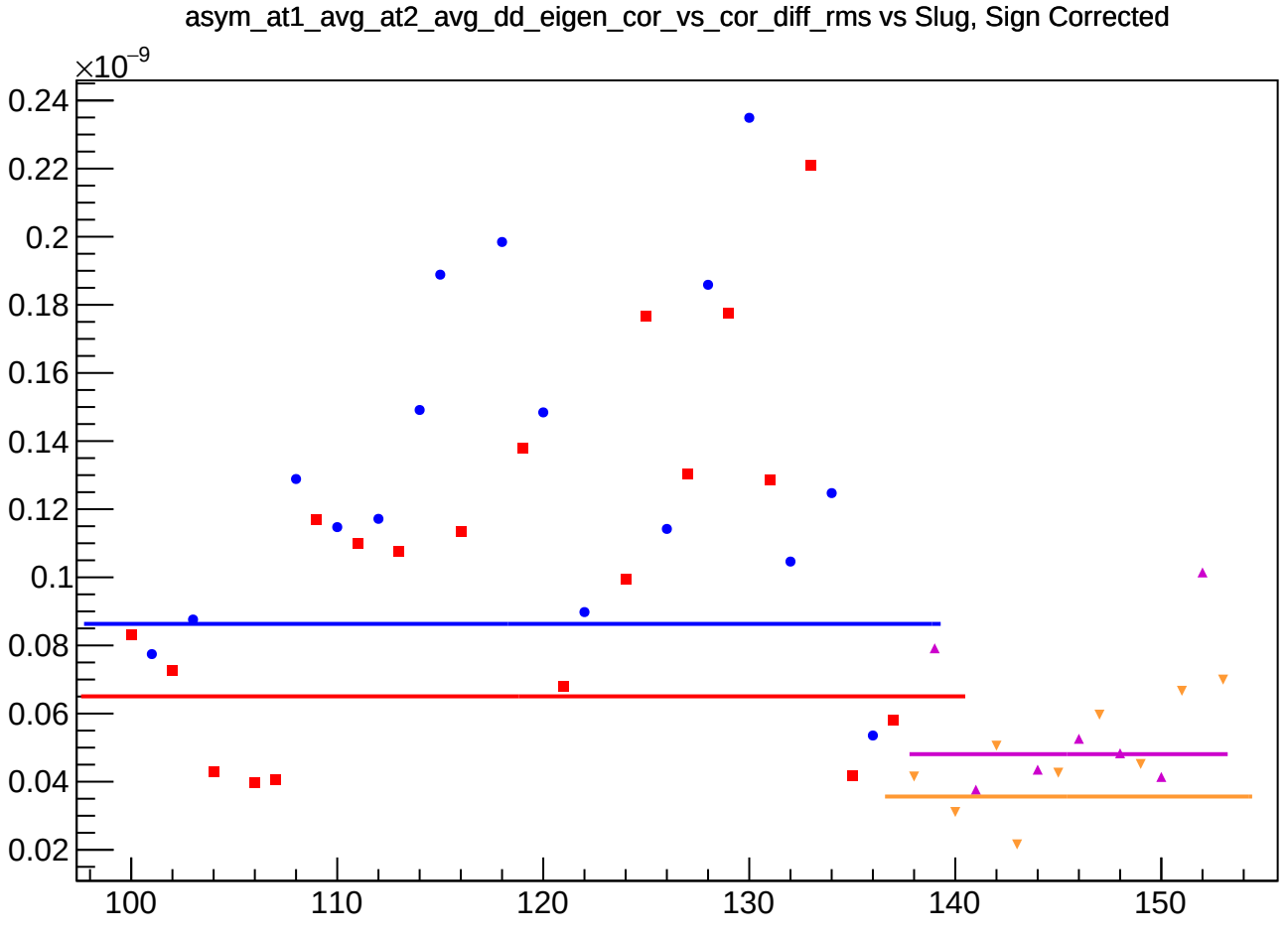
Left: 0.000+/-0.000 χ^2/NDF: 11.0/15

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: -0.000+/-0.000 χ^2/NDF:26.4/22

Out: 0.000+/-0.000 χ^2/NDF:24.6/27

All: 0.000+/-0.000 χ^2/NDF: 53.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1279426.7/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:678131.0/6

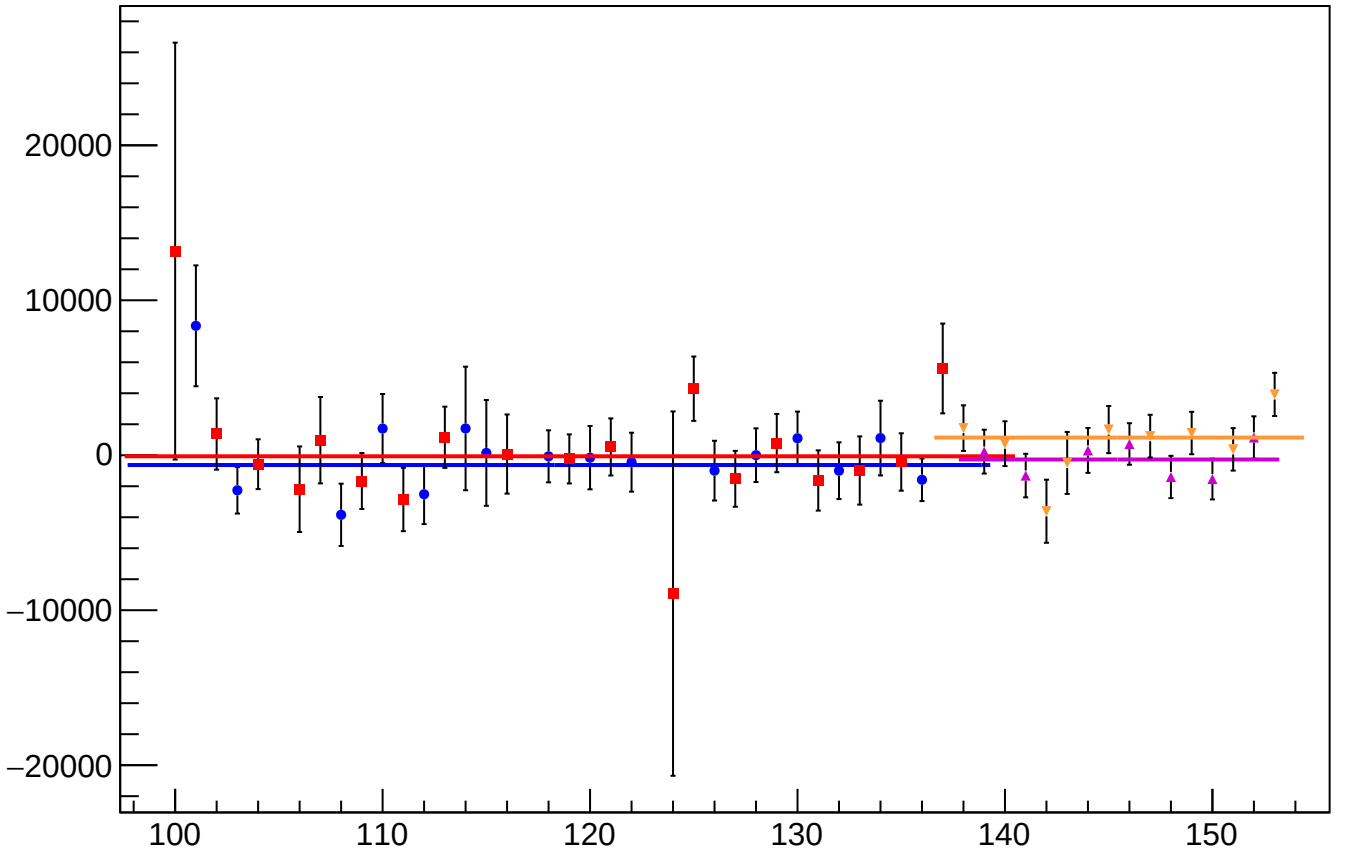
Left: 0.000+/-0.000 χ^2/NDF: 2279464.9/15

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:3434958.0/22

Out: 0.000+/-0.000 χ^2/NDF:4588730.5/27

All: 0.000+/-0.000 χ^2/NDF: 8706372.8/50



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1139.063+/-501.771 χ^2/NDF:10.8/8

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -274.938+/-520.586 χ^2/NDF:4.1/6

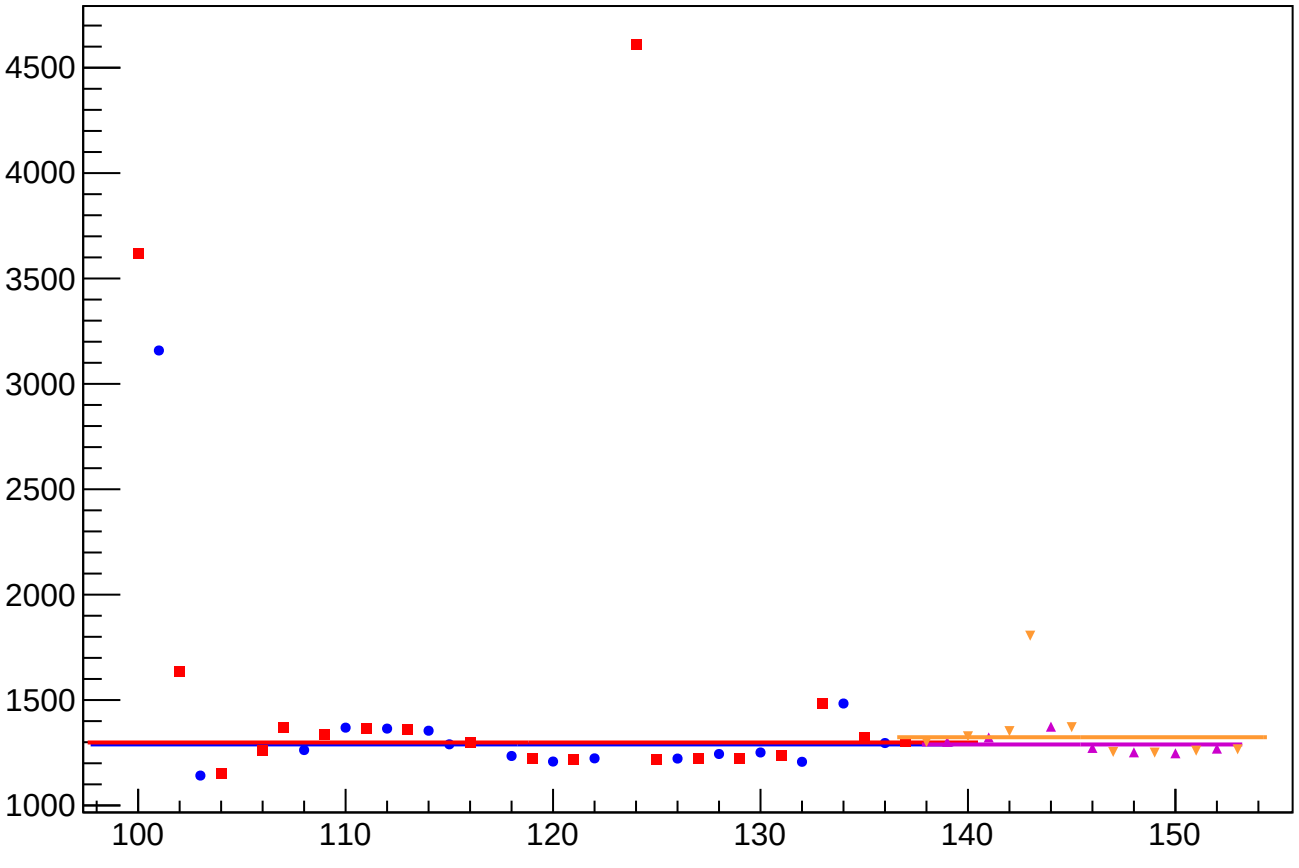
Left: 458.076+/-361.274 χ^2/NDF: 18.7/15

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -464.242+/-356.288 χ^2/NDF:18.2/22

Out: 518.628+/-349.747 χ^2/NDF:29.7/27

All: 36.298+/-249.589 χ^2/NDF: 51.8/50



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1323.615+/-0.355 χ^2/NDF:137669.4/8

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1289.223+/-0.368 χ^2/NDF:12310.3/6

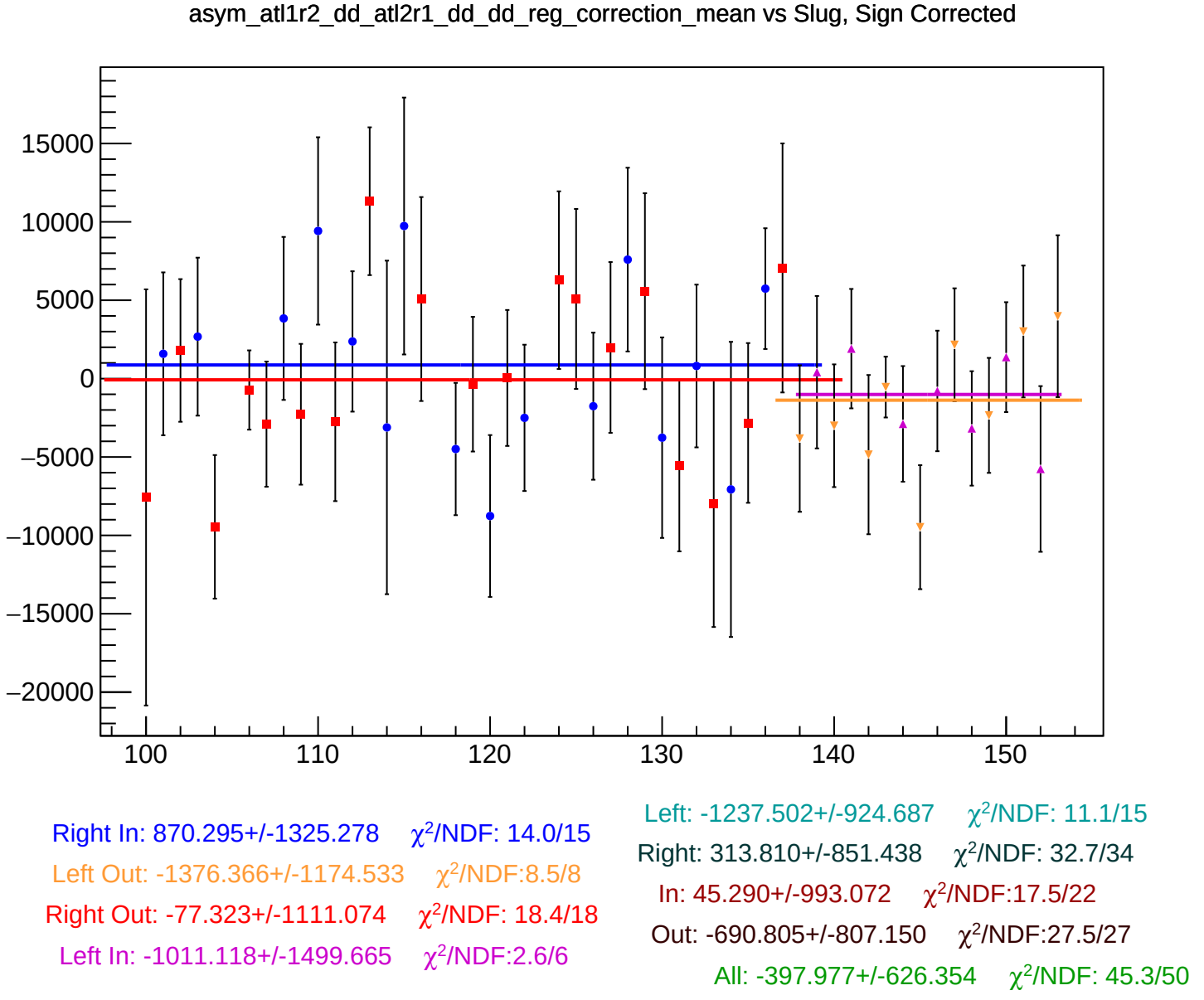
Left: 1307.052+/-0.255 χ^2/NDF: 154504.9/15

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

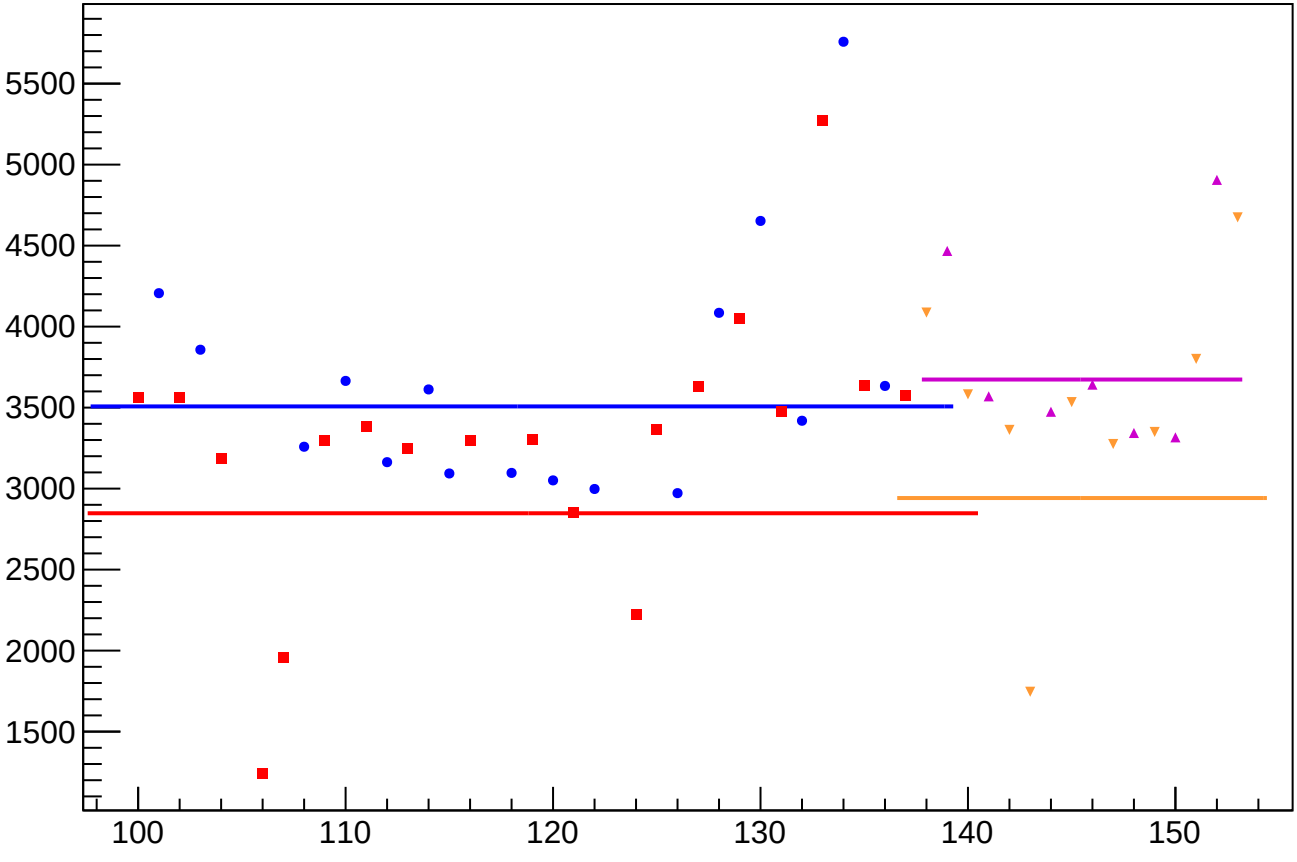
In: 1289.352+/-0.252 χ^2/NDF:526985.6/22

Out: 1310.749+/-0.247 χ^2/NDF:459595.2/27

All: 1300.263+/-0.176 χ^2/NDF: 990259.1/50


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
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -1376.366+/-1174.533 χ²/NDF:8.5/8
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: -1011.118+/-1499.665 χ²/NDF:2.6/6
Left: -1237.502+/-924.687 χ²/NDF: 11.1/15
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: 45.290+/-993.072 χ²/NDF:17.5/22
Out: -690.805+/-807.150 χ²/NDF:27.5/27
All: -397.977+/-626.354 χ²/NDF: 45.3/50

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: 2941.812+/-0.831 χ^2/NDF:1342546.7/8

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 3673.333+/-1.060 χ^2/NDF:206565.8/6

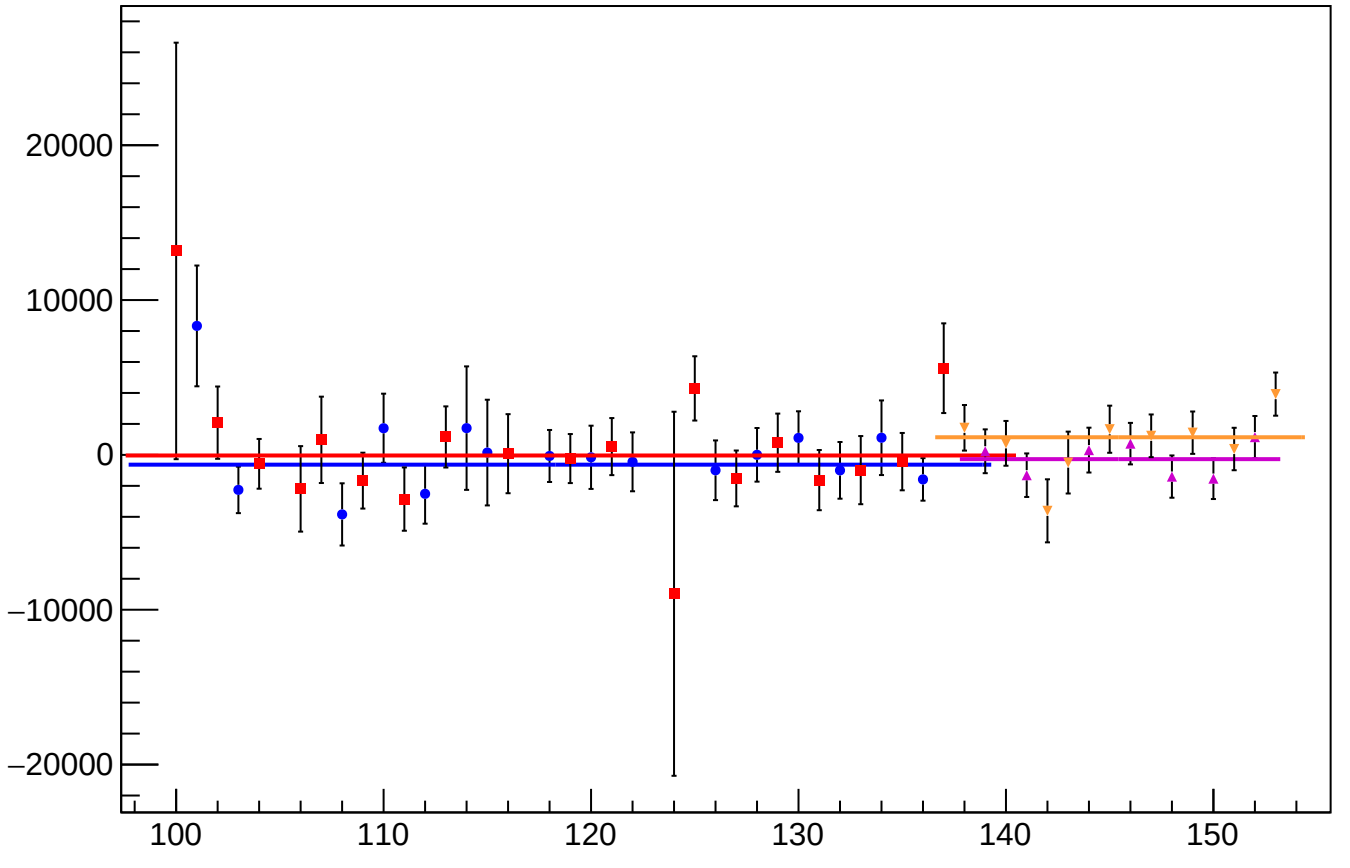
Left: 3219.929+/-0.654 χ^2/NDF: 1844065.9/15

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3580.160+/-0.702 χ^2/NDF:574293.8/22

Out: 2892.215+/-0.571 χ^2/NDF:2848677.8/27

All: 3165.888+/-0.443 χ^2/NDF: 4000945.1/50



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 1139.012+/-501.771 χ^2/NDF:10.8/8

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -274.899+/-520.586 χ^2/NDF:4.1/6

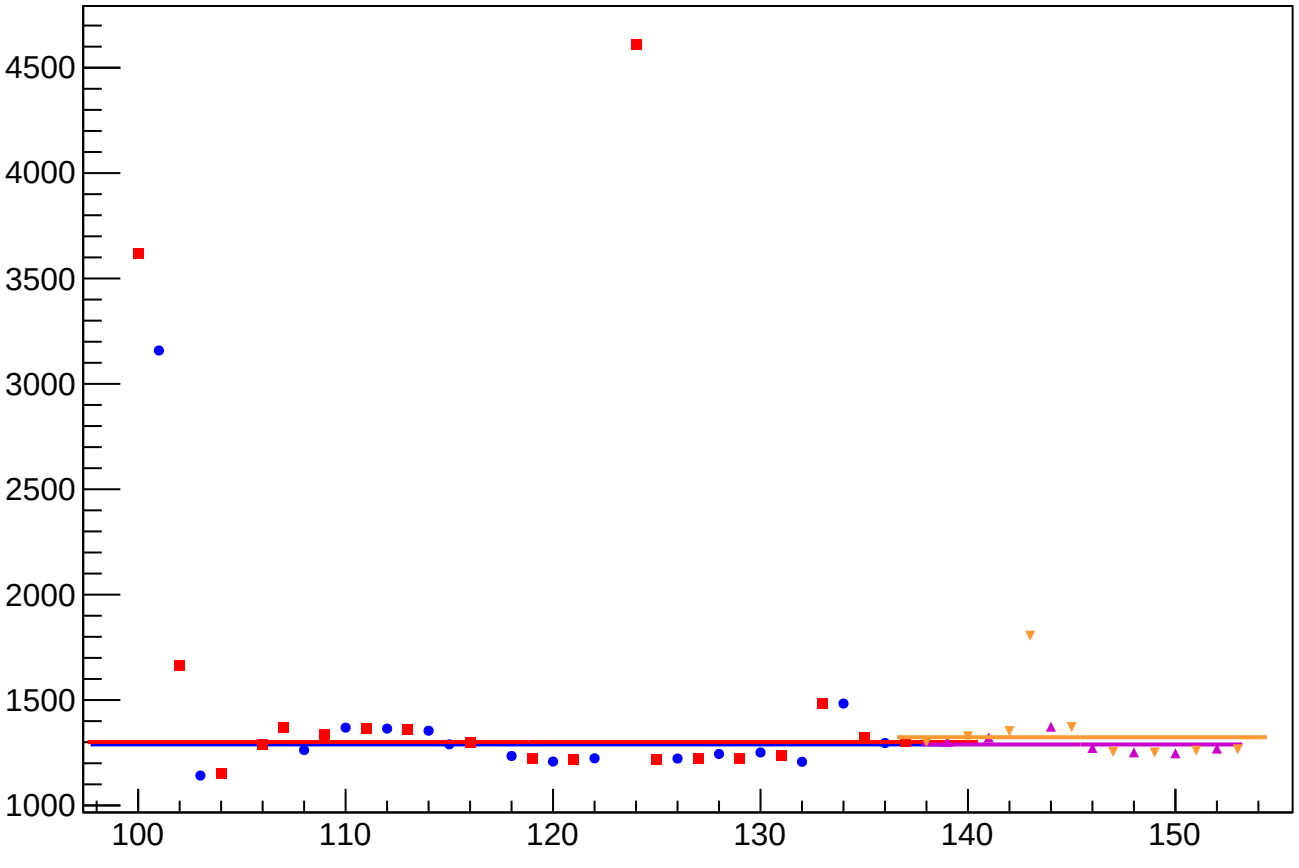
Left: 458.068+/-361.274 χ^2/NDF: 18.7/15

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -464.428+/-356.288 χ^2/NDF:18.2/22

Out: 533.914+/-349.866 χ^2/NDF:30.0/27

All: 43.821+/-249.632 χ^2/NDF: 52.2/50



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1323.615+/-0.355 χ^2/NDF:137669.4/8

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1289.223+/-0.368 χ^2/NDF:12310.3/6

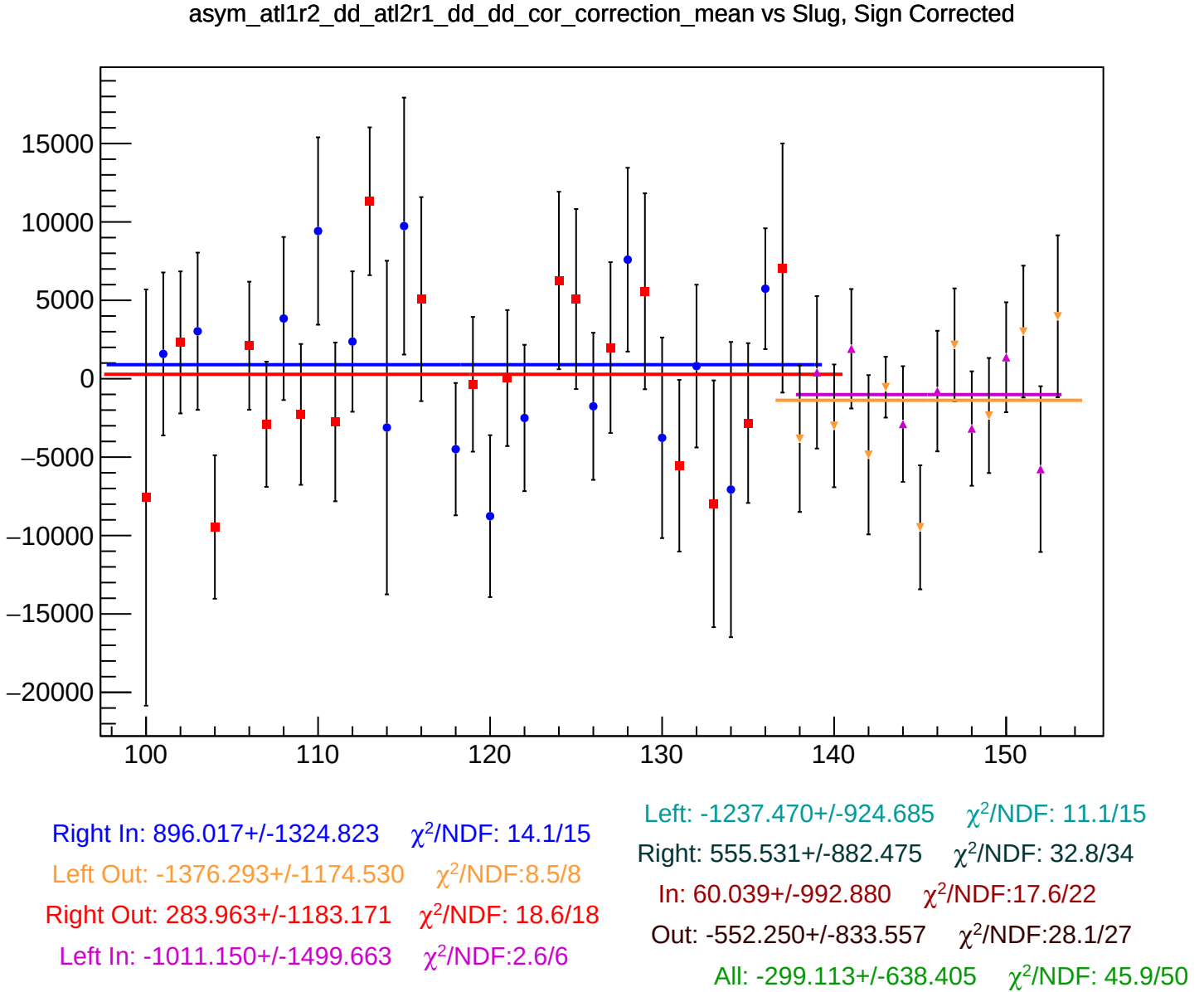
Left: 1307.052+/-0.255 χ^2/NDF: 154504.9/15

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

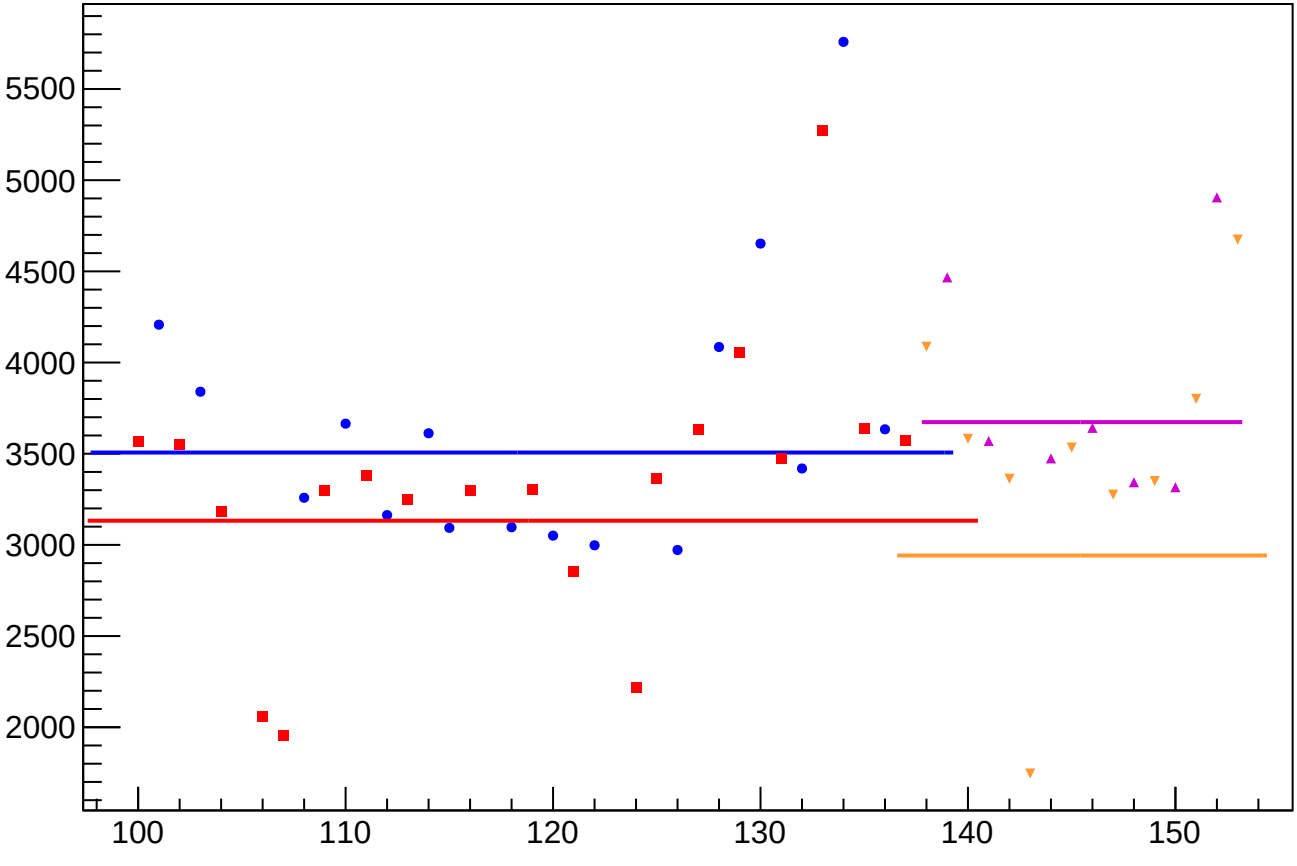
In: 1289.352+/-0.252 χ^2/NDF:526987.0/22

Out: 1311.811+/-0.247 χ^2/NDF:465727.2/27

All: 1300.797+/-0.176 χ^2/NDF: 996763.9/50


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -1376.293+/-1174.530 χ²/NDF:8.5/8
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -1011.150+/-1499.663 χ²/NDF:2.6/6
Left: -1237.470+/-924.685 χ²/NDF: 11.1/15
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 60.039+/-992.880 χ²/NDF:17.6/22
Out: -552.250+/-833.557 χ²/NDF:28.1/27
All: -299.113+/-638.405 χ²/NDF: 45.9/50

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 2941.802+/-0.831 χ^2/NDF:1342569.6/8

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3673.328+/-1.060 χ^2/NDF:206566.1/6

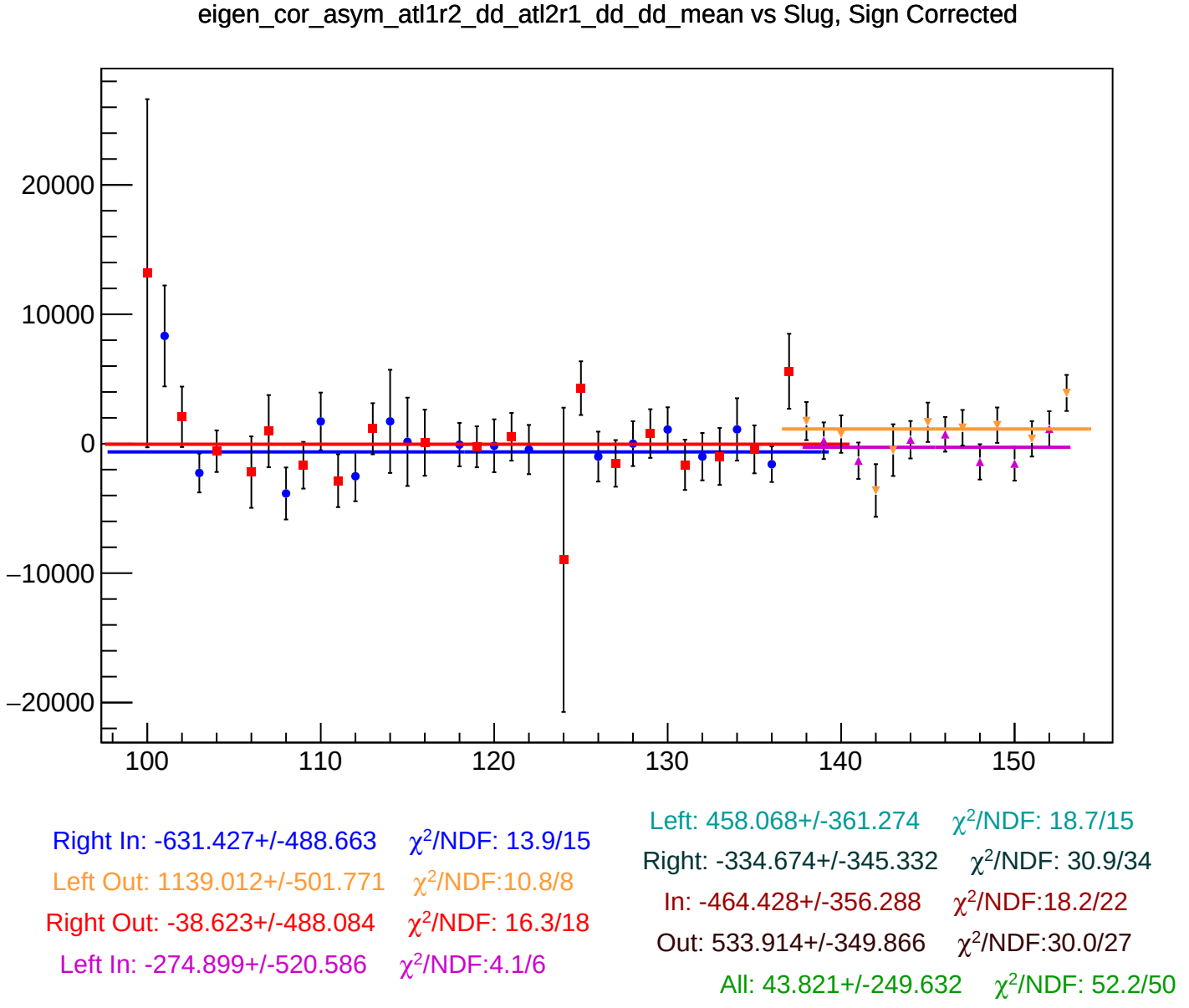
Left: 3219.920+/-0.654 χ^2/NDF: 1844094.2/15

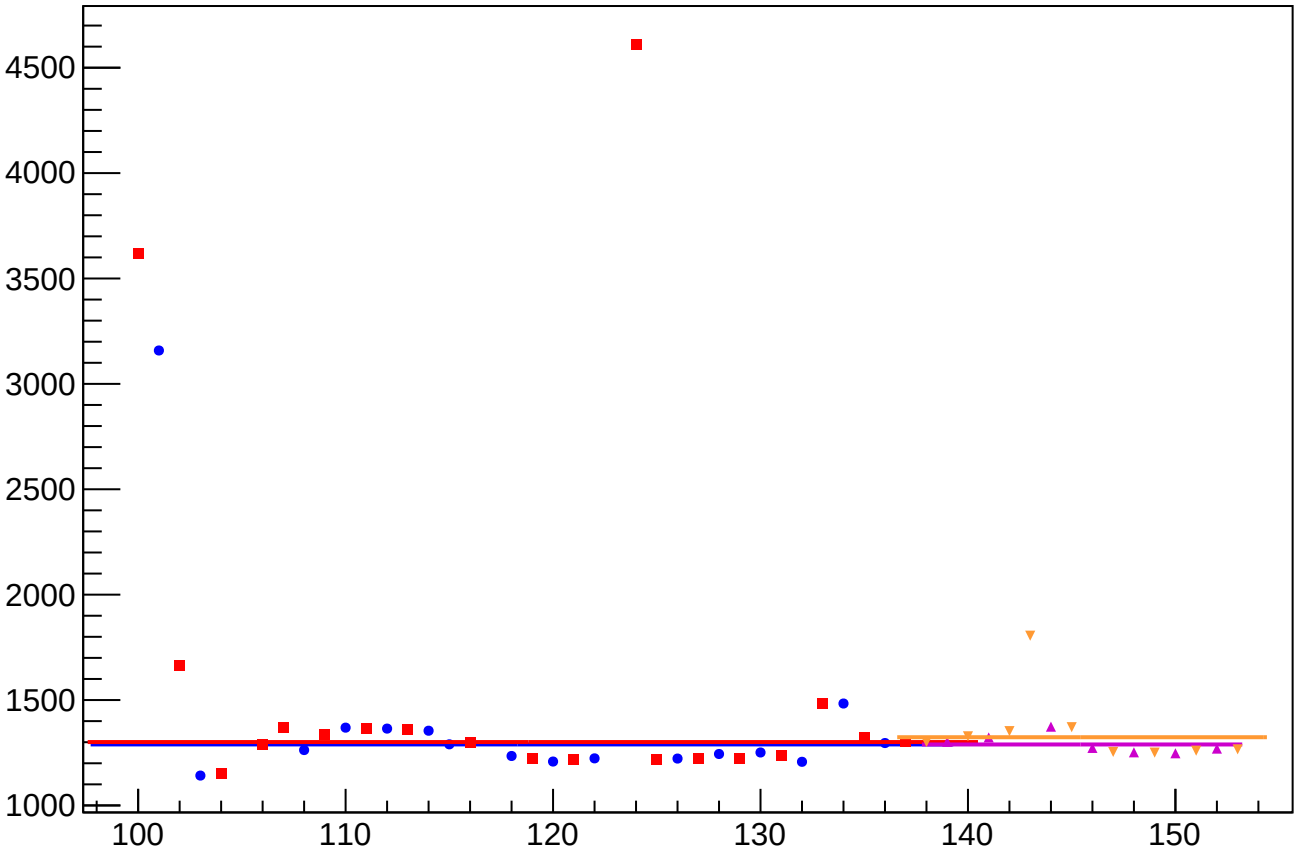
Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3579.617+/-0.702 χ^2/NDF:573707.8/22

Out: 3036.495+/-0.589 χ^2/NDF:2018372.4/27

All: 3261.036+/-0.451 χ^2/NDF: 2943118.3/50


eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
100
110
120
130
140
150
Right In: -631.427+/-488.663 χ²/NDF: 13.9/15
Left Out: 1139.012+/-501.771 χ²/NDF:10.8/8
Right Out: -38.623+/-488.084 χ²/NDF: 16.3/18
Left In: -274.899+/-520.586 χ²/NDF:4.1/6
Left: 458.068+/-361.274 χ²/NDF: 18.7/15
Right: -334.674+/-345.332 χ²/NDF: 30.9/34
In: -464.428+/-356.288 χ²/NDF:18.2/22
Out: 533.914+/-349.866 χ²/NDF:30.0/27
All: 43.821+/-249.632 χ²/NDF: 52.2/50



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1323.615+/-0.355 χ^2/NDF:137669.4/8

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1289.223+/-0.368 χ^2/NDF:12310.3/6

Left: 1307.052+/-0.255 χ^2/NDF: 154504.9/15

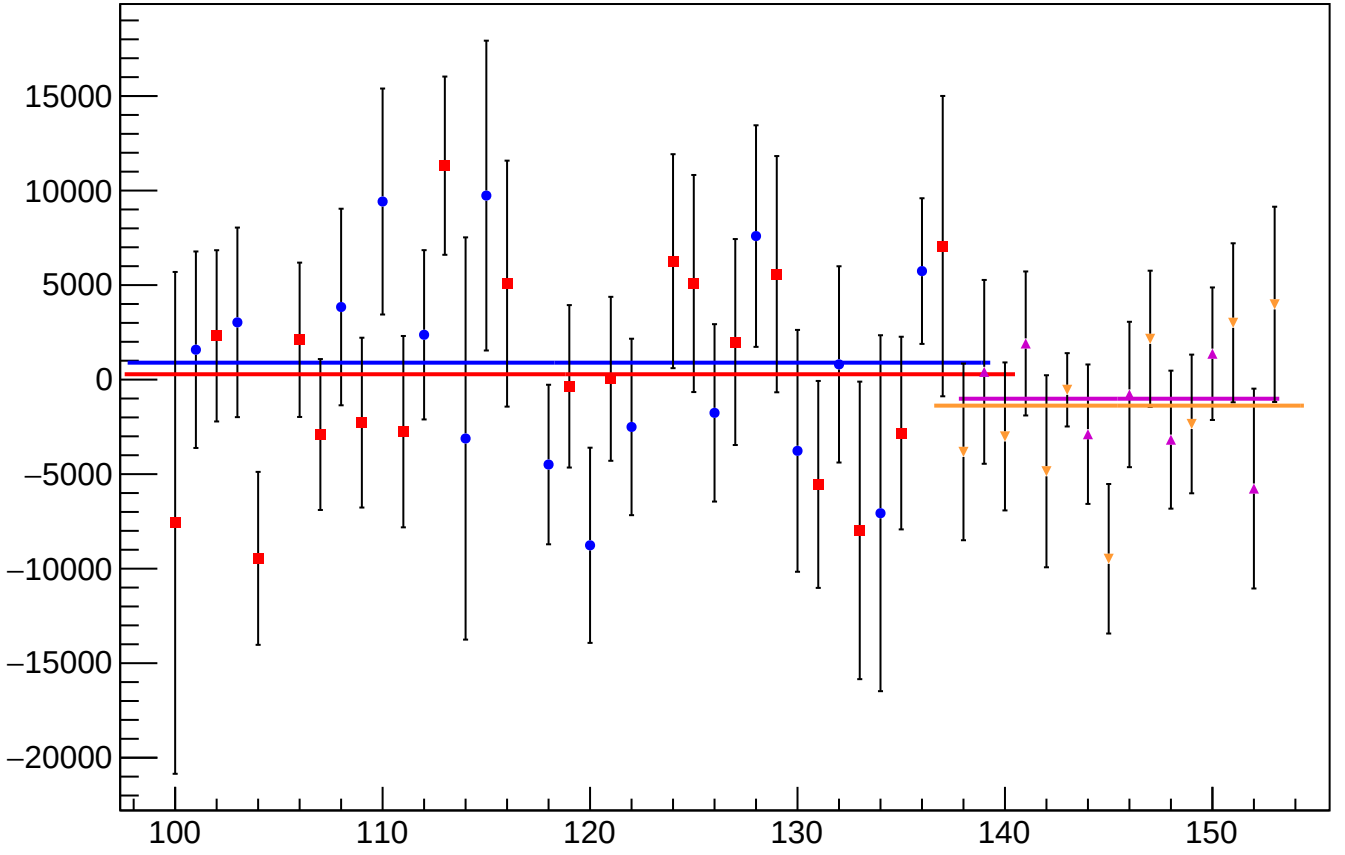
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1289.352+/-0.252 χ^2/NDF:526987.0/22

Out: 1311.811+/-0.247 χ^2/NDF:465727.2/27

All: 1300.797+/-0.176 χ^2/NDF: 996763.9/50

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -1376.293+/-1174.530 χ^2/NDF:8.5/8

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -1011.150+/-1499.663 χ^2/NDF:2.6/6

Left: -1237.470+/-924.685 χ^2/NDF: 11.1/15

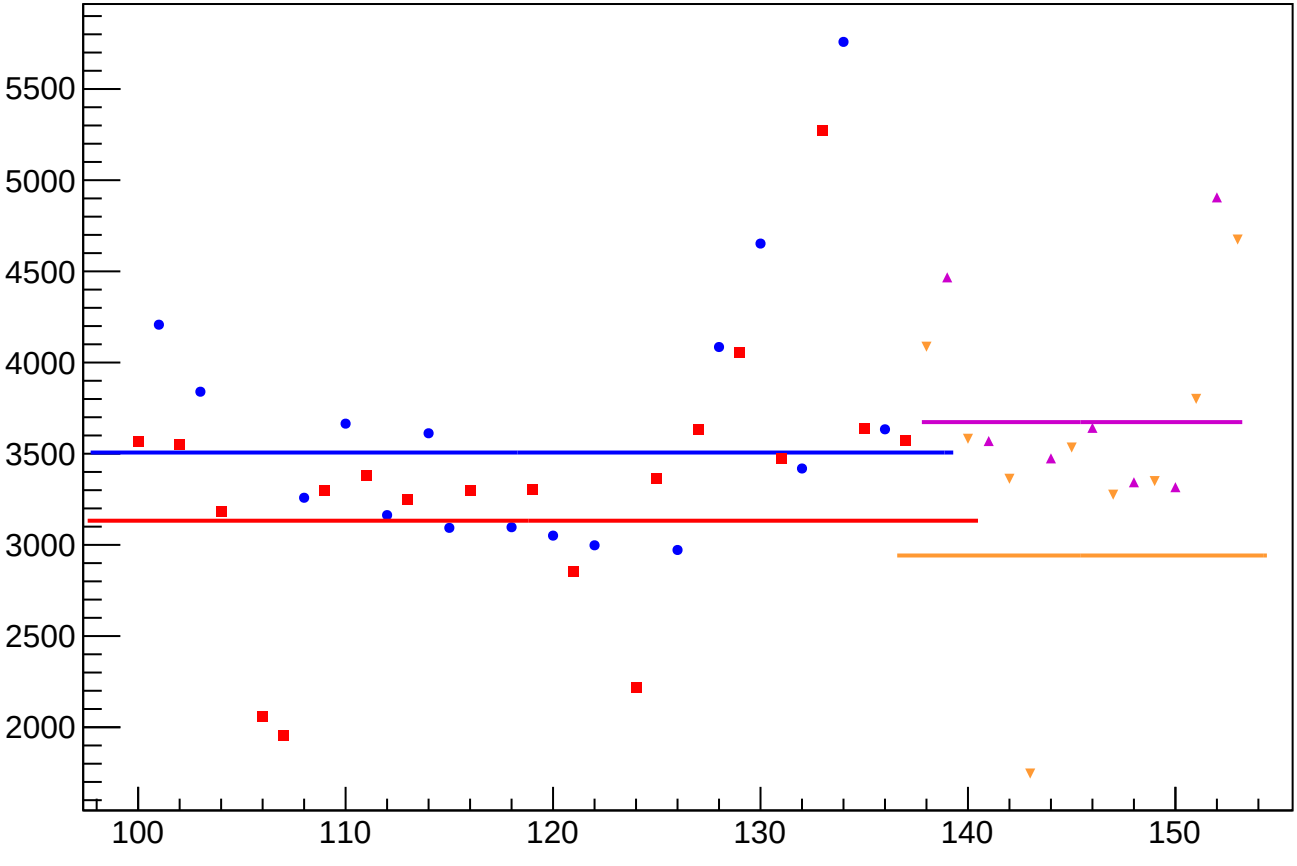
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 60.039+/-992.880 χ^2/NDF:17.6/22

Out: -552.250+/-833.557 χ^2/NDF:28.1/27

All: -299.113+/-638.405 χ^2/NDF: 45.9/50

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: 2941.802+/-0.831 χ^2/NDF:1342569.6/8

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 3673.328+/-1.060 χ^2/NDF:206566.1/6

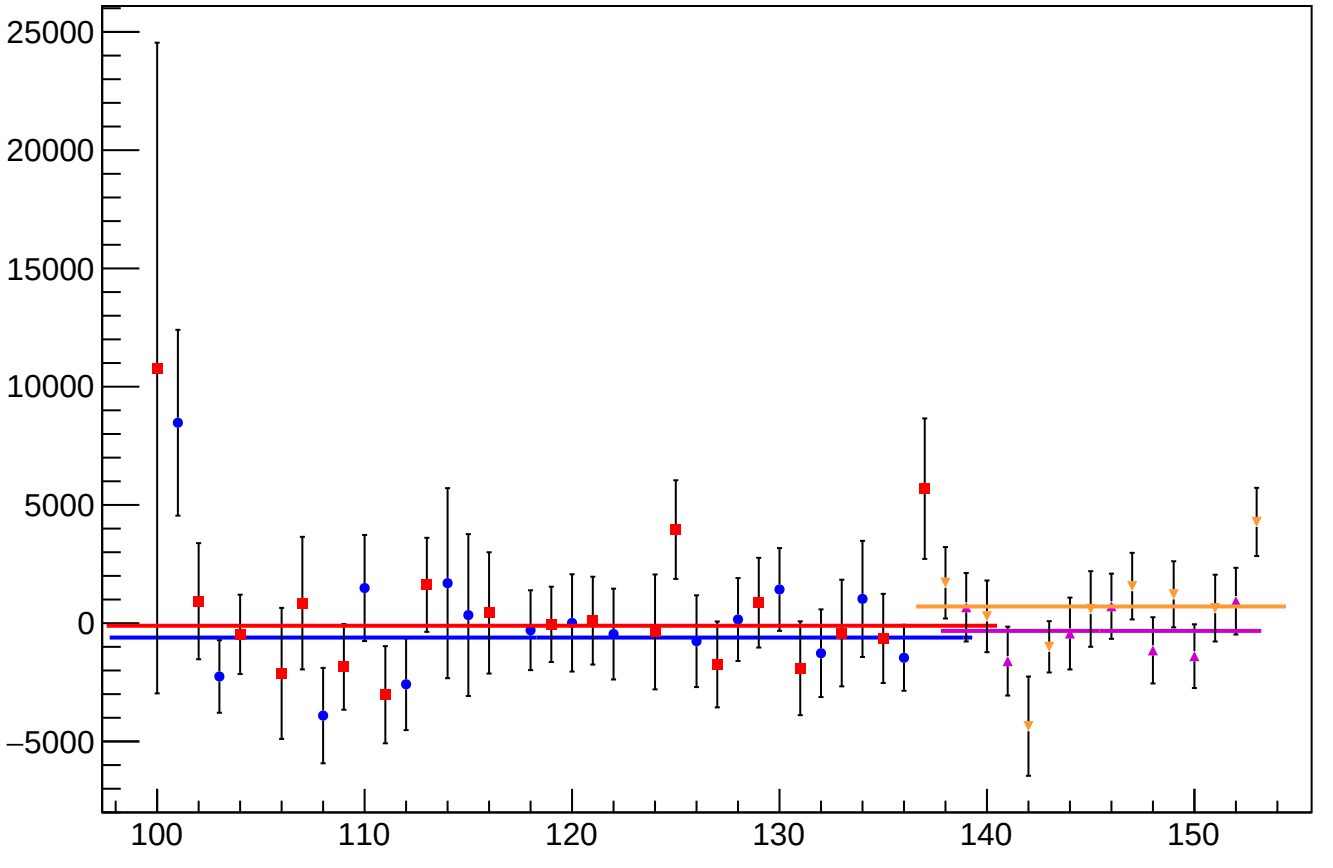
Left: 3219.920+/-0.654 χ^2/NDF: 1844094.2/15

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3579.617+/-0.702 χ^2/NDF:573707.8/22

Out: 3036.495+/-0.589 χ^2/NDF:2018372.4/27

All: 3261.036+/-0.451 χ^2/NDF: 2943118.3/50



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 706.143+/-479.864 χ^2/NDF:15.5/8

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -326.169+/-536.661 χ^2/NDF:3.6/6

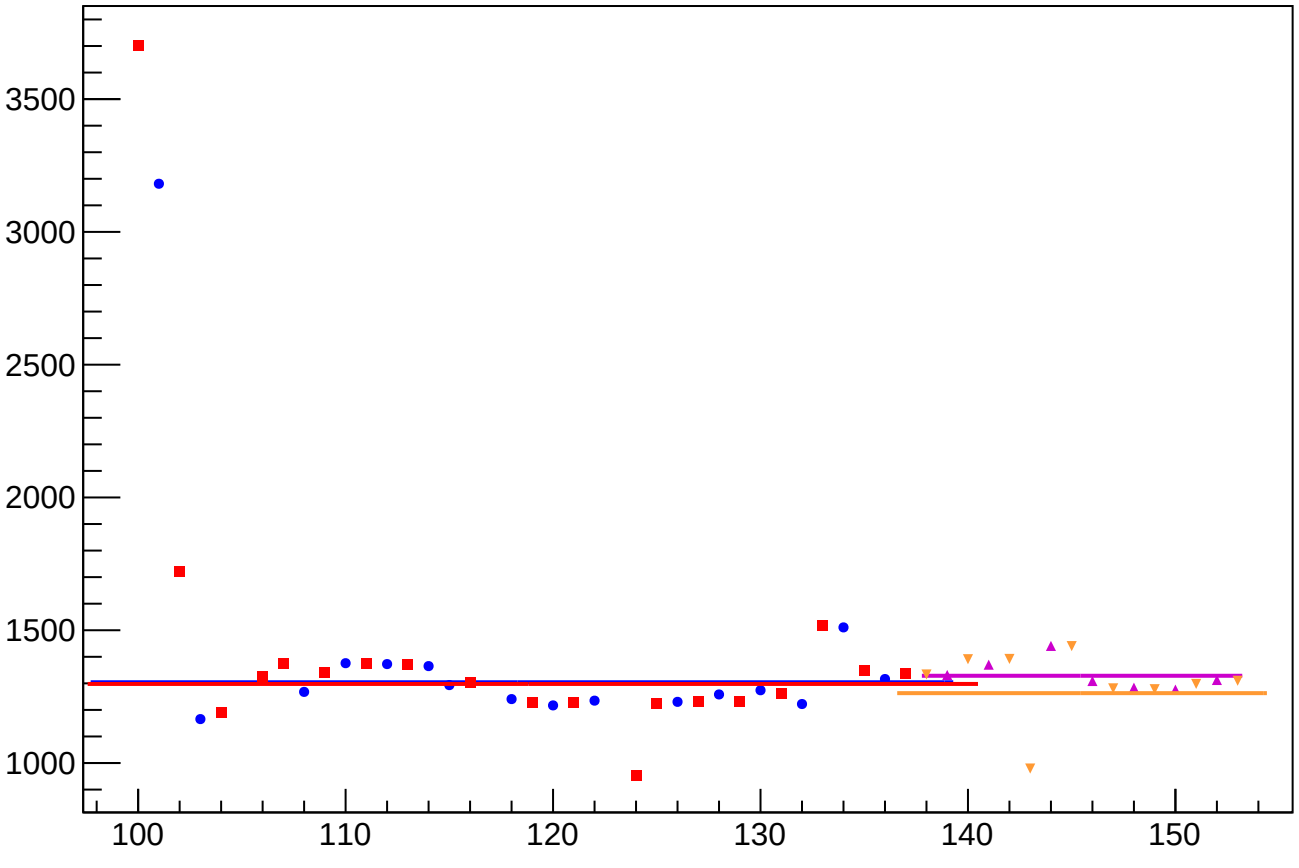
Left: 247.487+/-357.716 χ^2/NDF: 21.1/15

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -478.587+/-363.531 χ^2/NDF:17.8/22

Out: 303.565+/-341.308 χ^2/NDF:31.8/27

All: -62.876+/-248.827 χ^2/NDF: 52.1/50



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1263.148+/-0.339 χ^2/NDF:191690.1/8

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1328.595+/-0.379 χ^2/NDF:18306.6/6

Left: 1292.226+/-0.253 χ^2/NDF: 226525.8/15

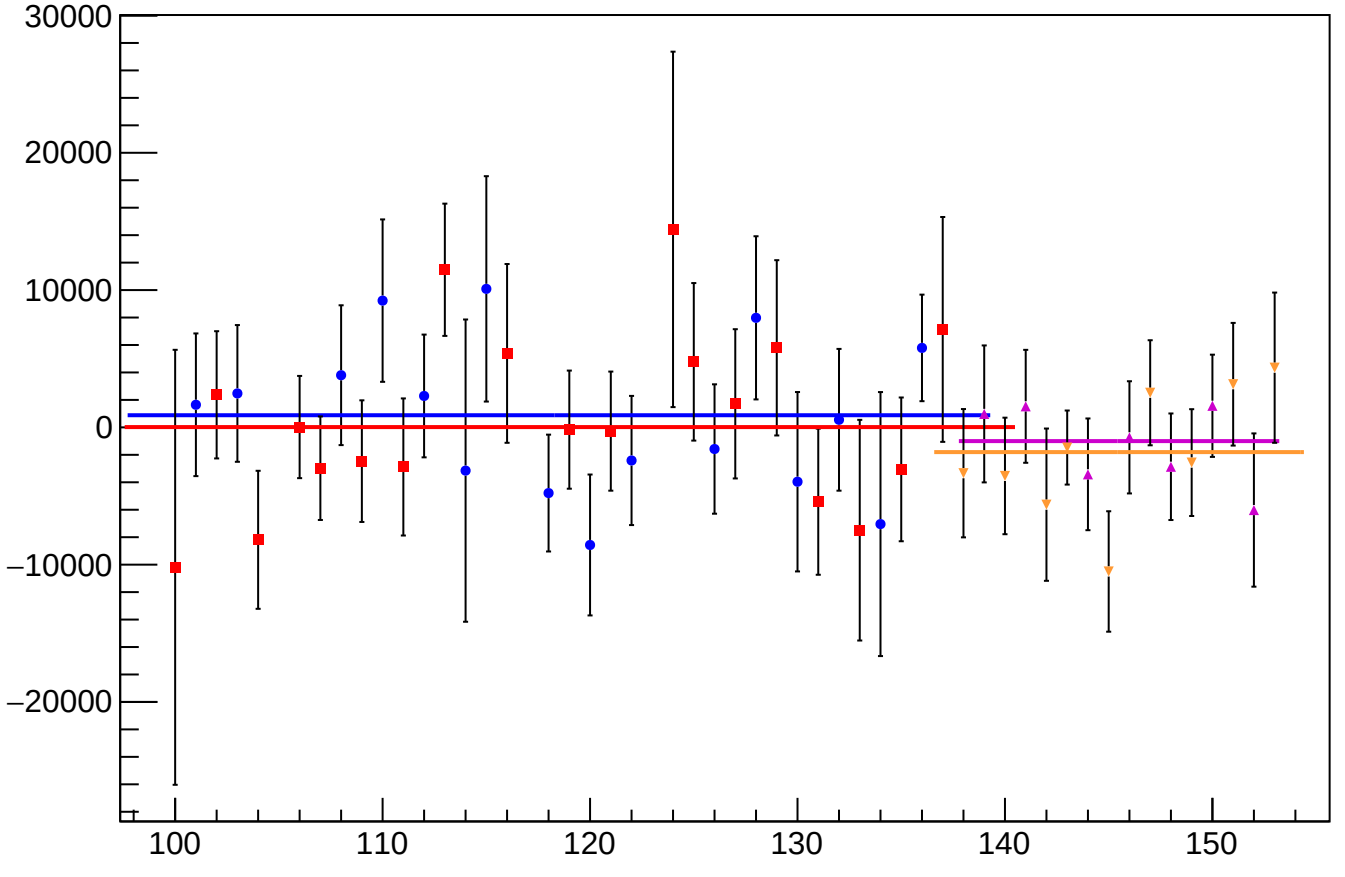
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1315.341+/-0.257 χ^2/NDF:531150.3/22

Out: 1280.281+/-0.241 χ^2/NDF:409942.8/27

All: 1296.700+/-0.176 χ^2/NDF: 950983.9/50

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -1801.409+/-1359.434 χ^2/NDF:8.5/8

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -1000.552+/-1600.800 χ^2/NDF:2.4/6

Left: -1465.848+/-1036.204 χ^2/NDF: 11.1/15

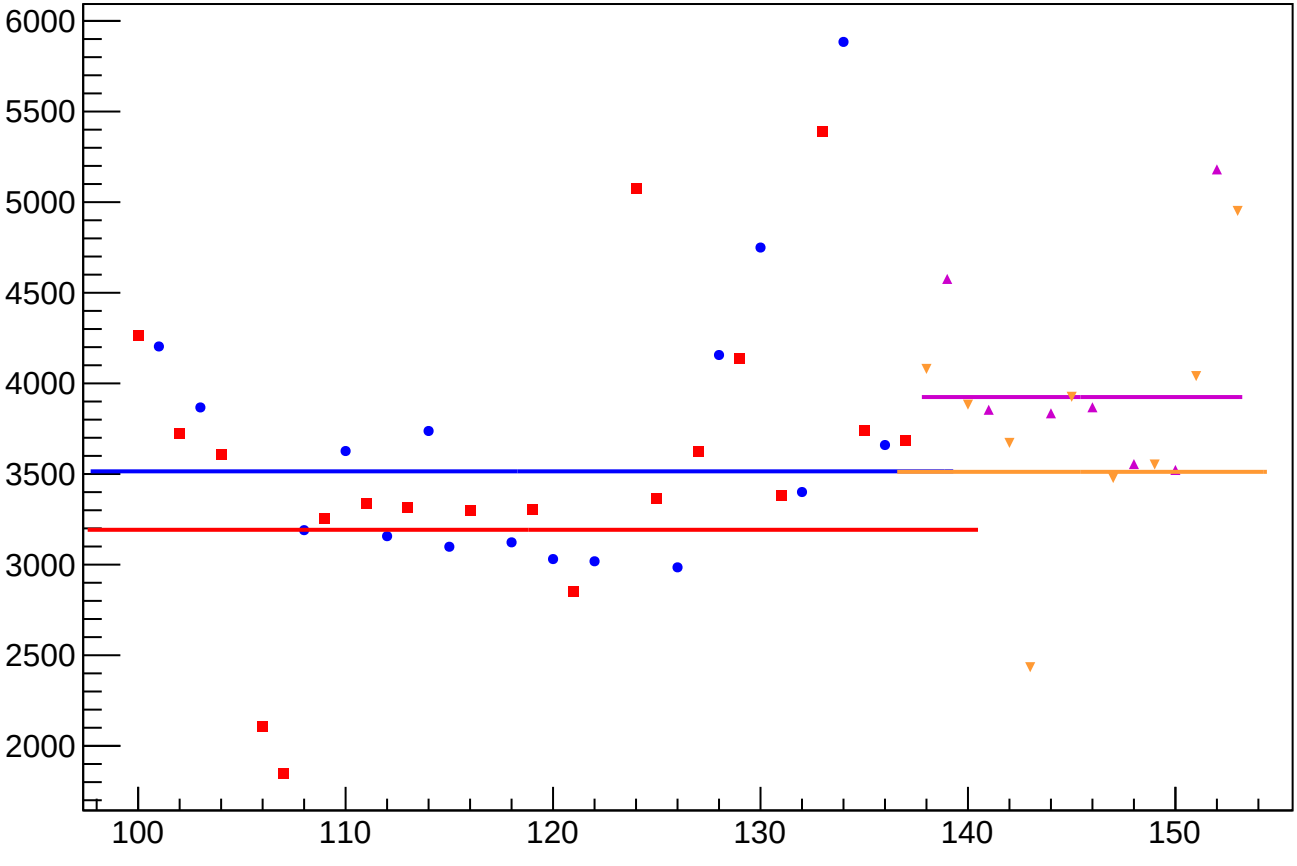
Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 116.195+/-1021.805 χ^2/NDF:17.4/22

Out: -777.311+/-899.648 χ^2/NDF:26.3/27

All: -387.134+/-675.227 χ^2/NDF: 44.1/50

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: 3512.006+/-0.961 χ^2/NDF:550482.3/8

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 3924.685+/-1.132 χ^2/NDF:178886.7/6

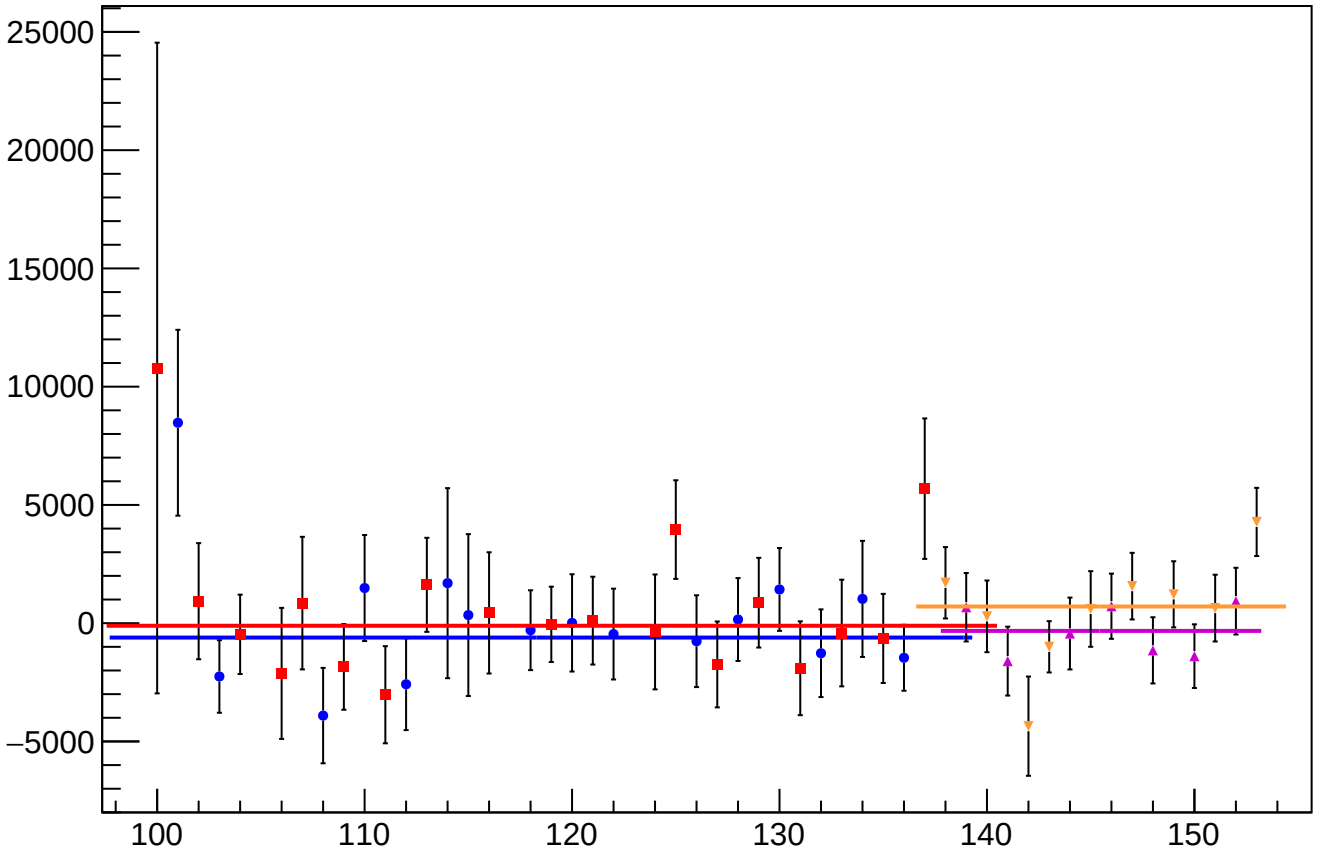
Left: 3684.920+/-0.733 χ^2/NDF: 806593.4/15

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3681.771+/-0.723 χ^2/NDF:631684.5/22

Out: 3332.262+/-0.636 χ^2/NDF:1385186.5/27

All: 3484.886+/-0.477 χ^2/NDF: 2148685.8/50



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 706.142+/-479.864 χ^2/NDF:15.5/8

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -326.168+/-536.661 χ^2/NDF:3.6/6

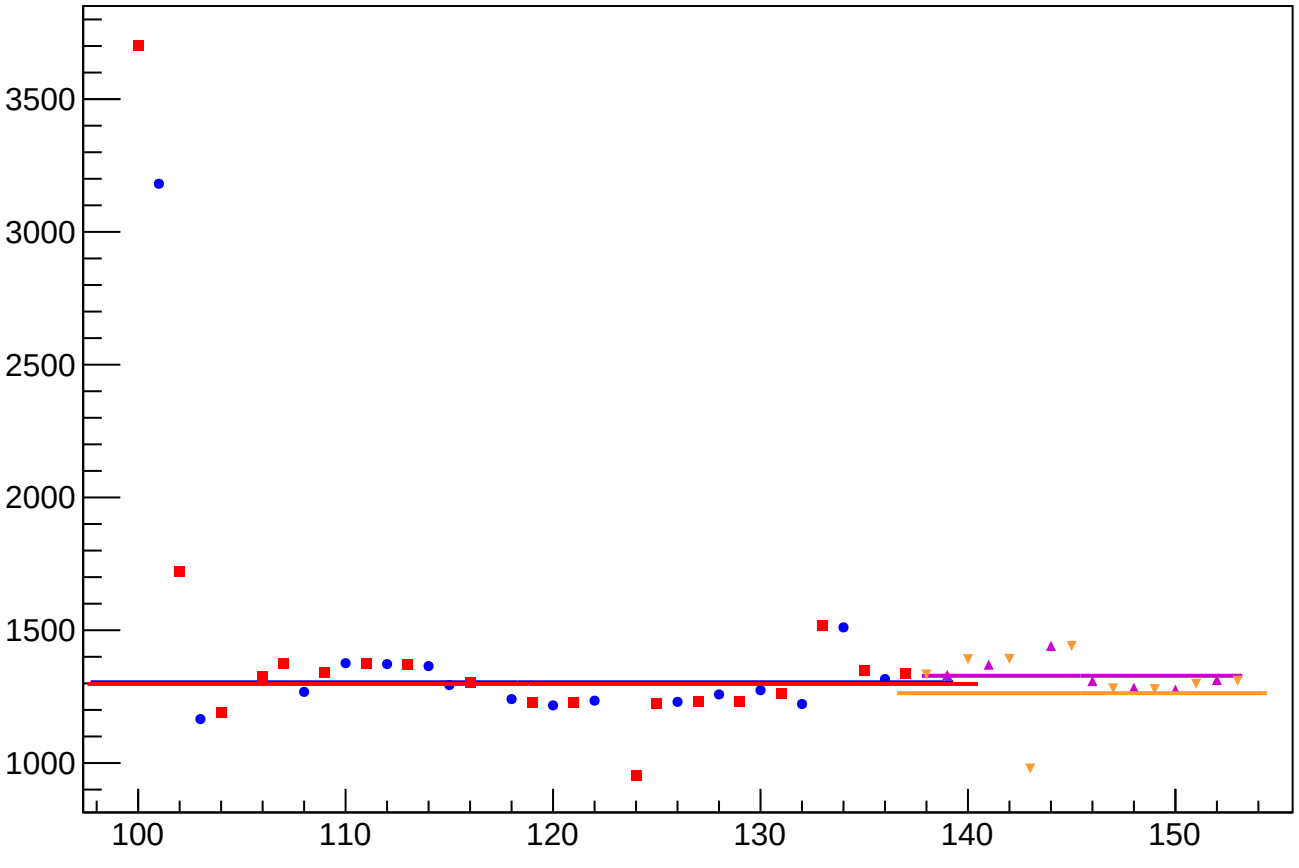
Left: 247.487+/-357.716 χ^2/NDF: 21.1/15

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -478.589+/-363.531 χ^2/NDF:17.8/22

Out: 303.562+/-341.309 χ^2/NDF:31.8/27

All: -62.878+/-248.827 χ^2/NDF: 52.1/50



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1263.149+/-0.339 χ^2/NDF:191690.4/8

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1328.596+/-0.379 χ^2/NDF:18306.7/6

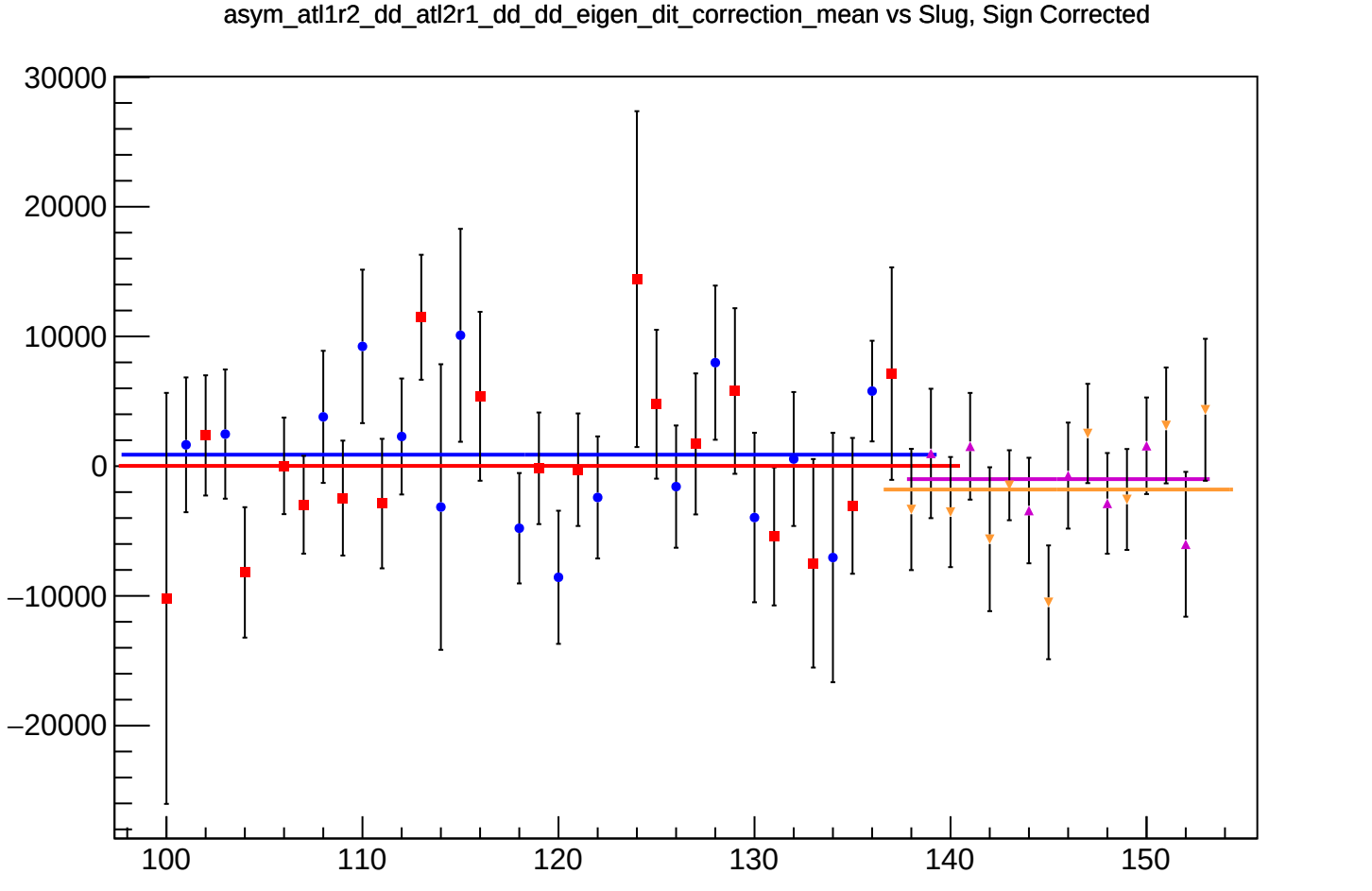
Left: 1292.227+/-0.253 χ^2/NDF: 226526.2/15

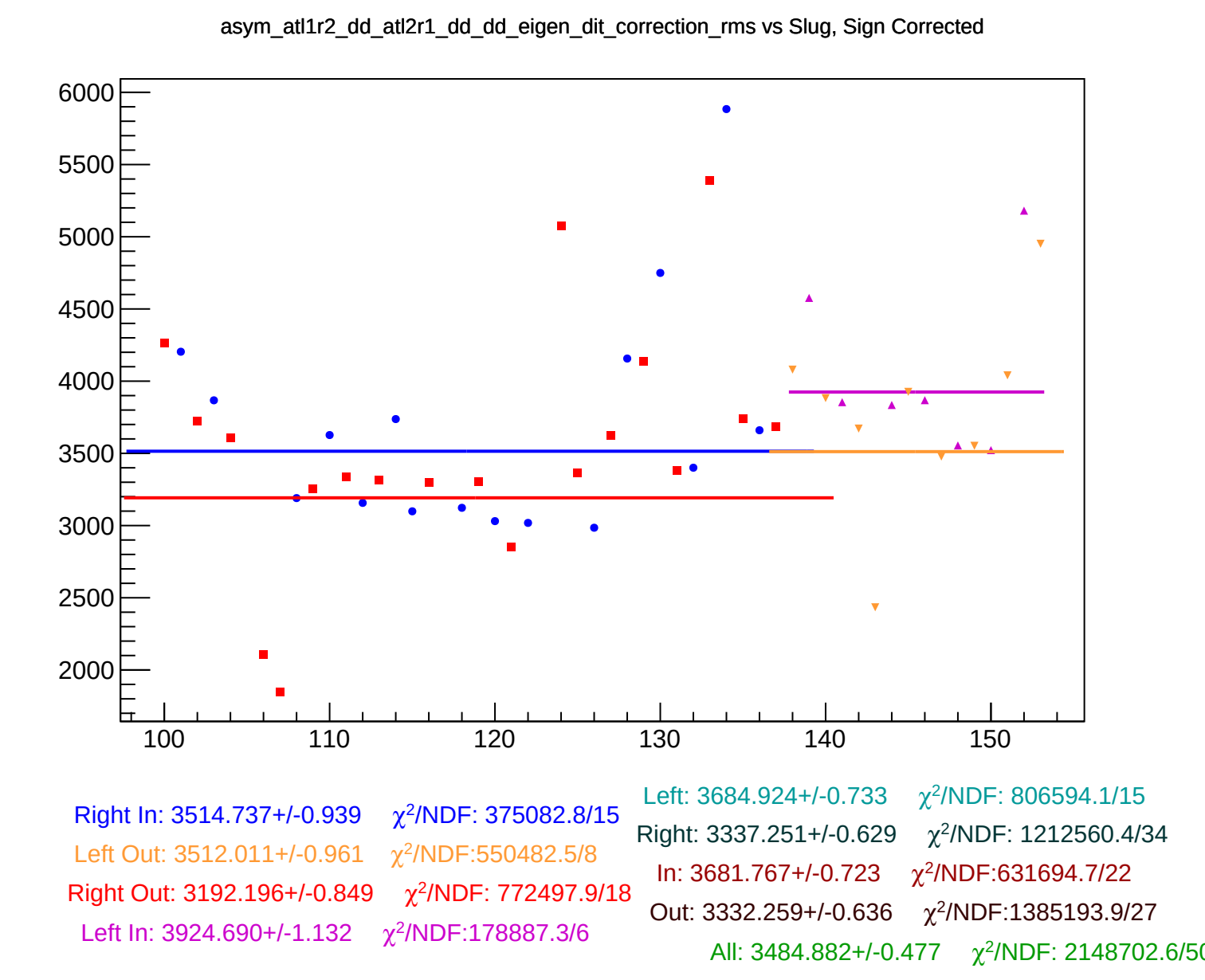
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

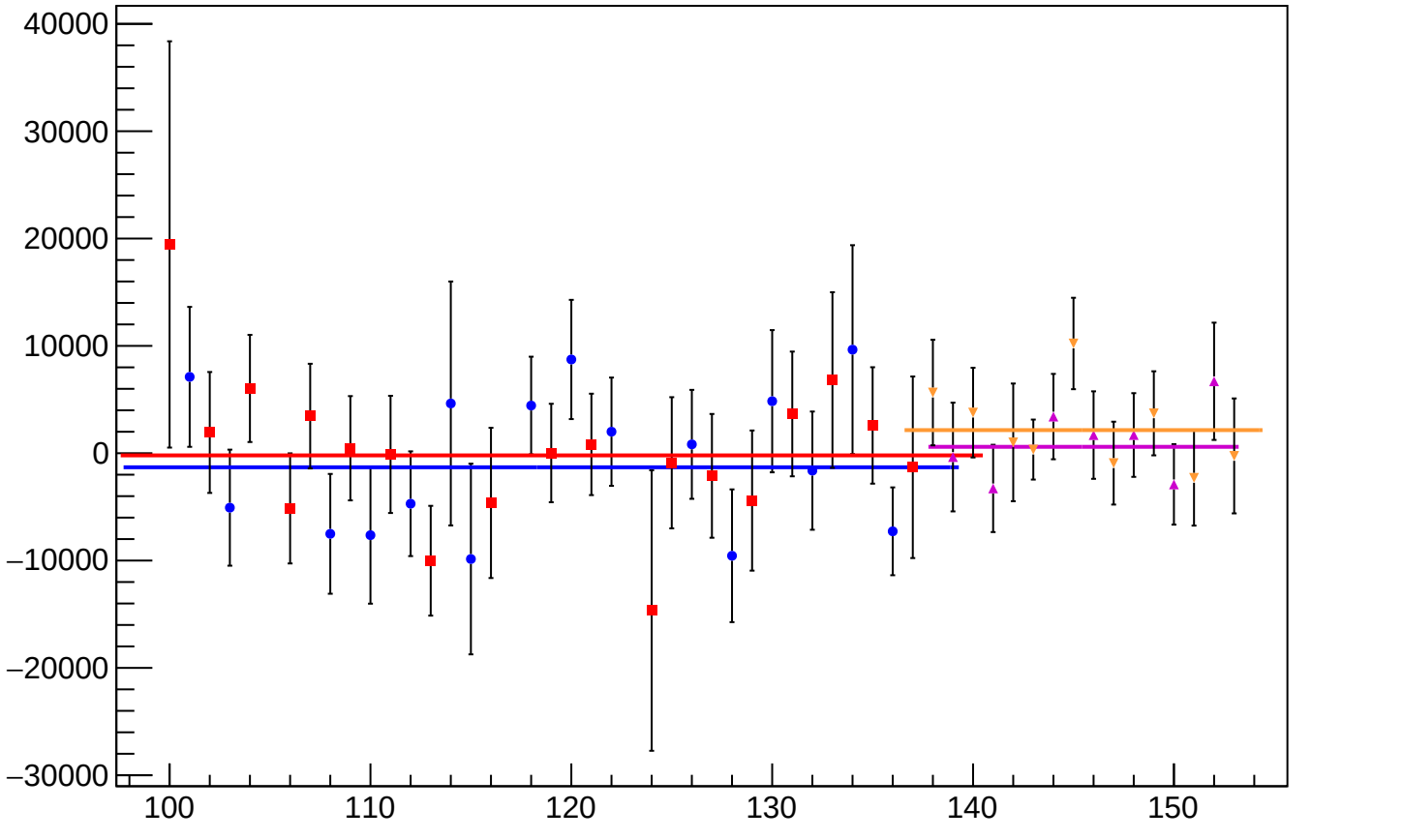
In: 1315.341+/-0.257 χ^2/NDF:531150.7/22

Out: 1280.281+/-0.241 χ^2/NDF:409942.9/27

All: 1296.701+/-0.176 χ^2/NDF: 950984.4/50


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
Right In: 884.047+/-1327.396 χ²/NDF: 14.1/15
Left Out: -1801.407+/-1359.436 χ²/NDF:8.5/8
Right Out: 20.677+/-1200.012 χ²/NDF: 16.8/18
Left In: -1000.550+/-1600.802 χ²/NDF:2.4/6
Left: -1465.846+/-1036.205 χ²/NDF: 11.1/15
Right: 408.958+/-890.174 χ²/NDF: 31.2/34
In: 116.193+/-1021.804 χ²/NDF:17.4/22
Out: -777.309+/-899.647 χ²/NDF:26.3/27
All: -387.134+/-675.227 χ²/NDF: 44.1/50


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
6000
5500
5000
4500
4000
3500
3000
2500
2000
100
110
120
130
140
150
Right In: 3514.737+/-0.939 χ²/NDF: 375082.8/15
Left Out: 3512.011+/-0.961 χ²/NDF:550482.5/8
Right Out: 3192.196+/-0.849 χ²/NDF: 772497.9/18
Left In: 3924.690+/-1.132 χ²/NDF:178887.3/6
Left: 3684.924+/-0.733 χ²/NDF: 806594.1/15
Right: 3337.251+/-0.629 χ²/NDF: 1212560.4/34
In: 3681.767+/-0.723 χ²/NDF:631694.7/22
Out: 3332.259+/-0.636 χ²/NDF:1385193.9/27
All: 3484.882+/-0.477 χ²/NDF: 2148702.6/50



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 2152.955+/-1370.040 χ^2/NDF:6.7/8

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 596.327+/-1594.326 χ^2/NDF:3.7/6

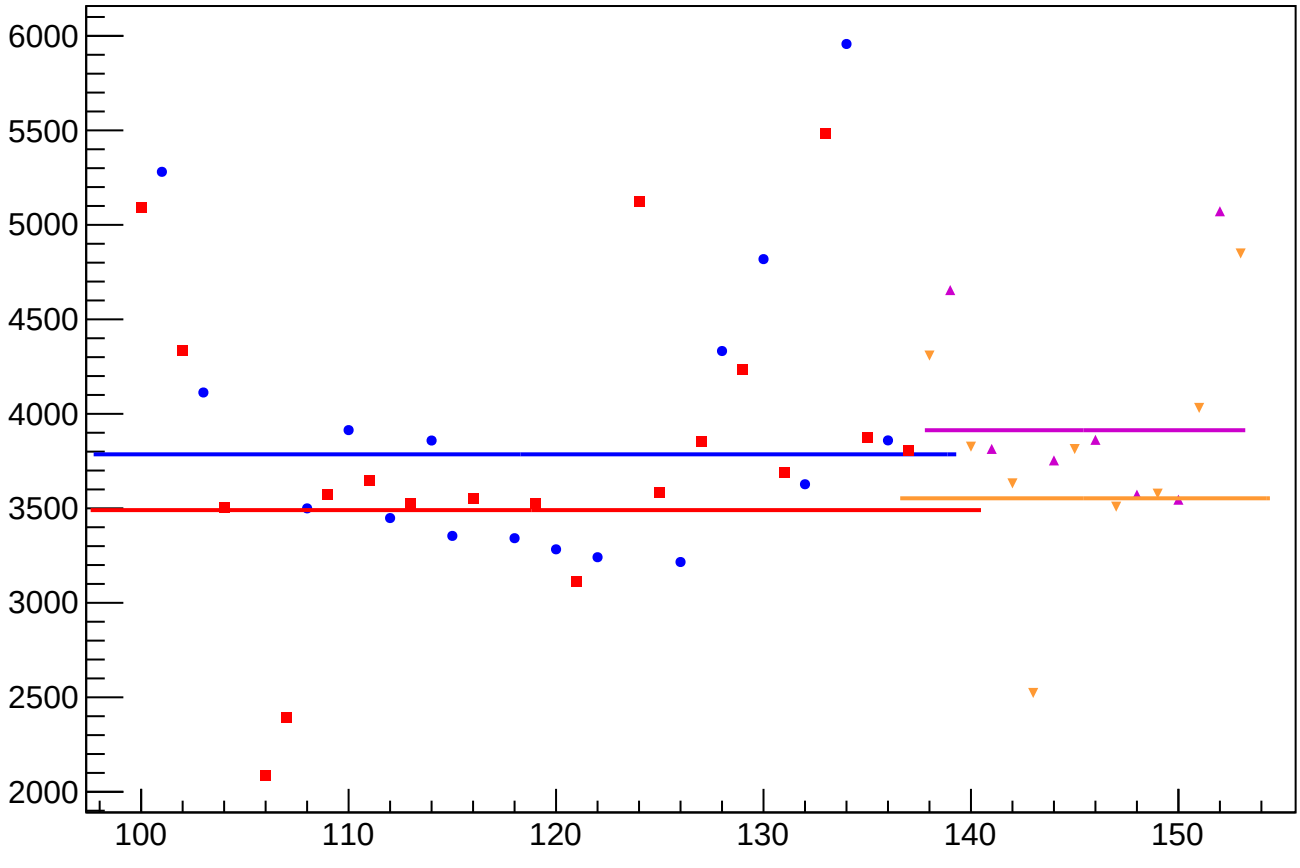
Left: 1491.746+/-1039.092 χ^2/NDF: 11.0/15

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -458.682+/-1065.203 χ^2/NDF:22.1/22

Out: 946.121+/-956.525 χ^2/NDF:19.9/27

All: 319.017+/-711.696 χ^2/NDF: 42.9/50



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 3553.105+/-0.969 χ^2/NDF:475775.6/8

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 3913.340+/-1.127 χ^2/NDF:172116.9/6

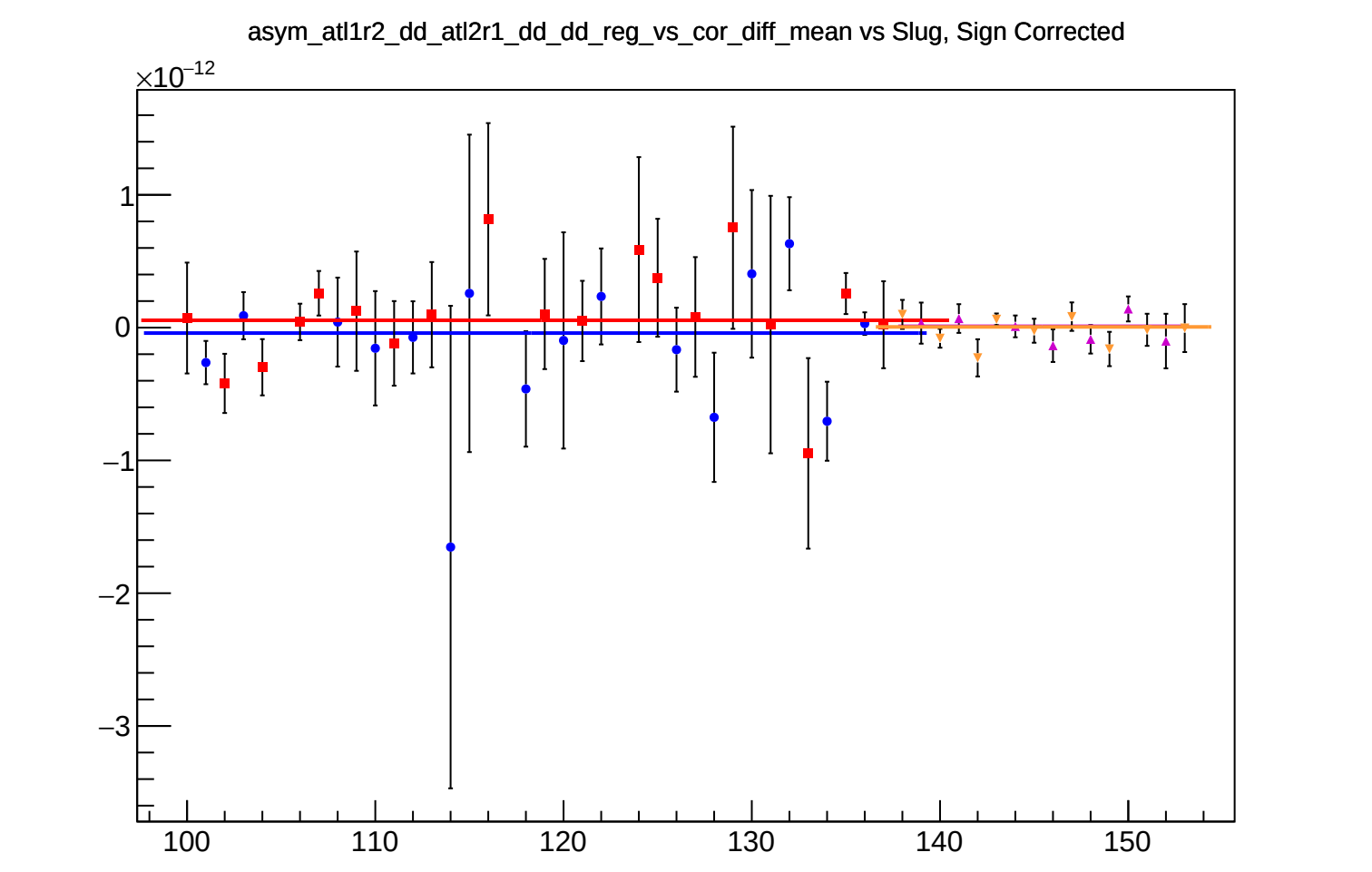
Left: 3706.122+/-0.735 χ^2/NDF: 706626.1/15

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 3842.717+/-0.753 χ^2/NDF:562198.3/22

Out: 3520.647+/-0.672 χ^2/NDF:1064652.1/27

All: 3663.293+/-0.501 χ^2/NDF: 1728709.5/50



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.0/8

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:4.8/6

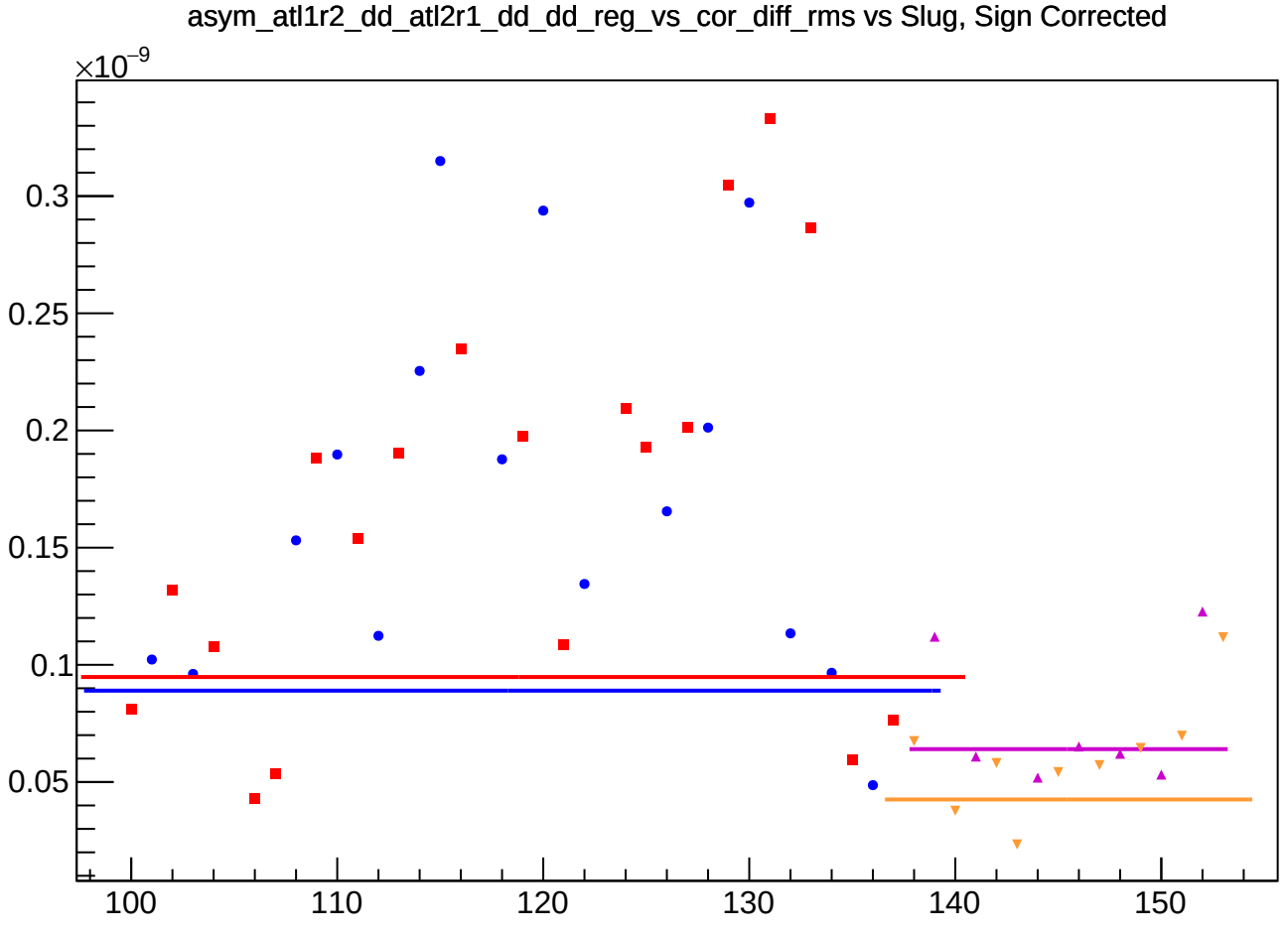
Left: 0.000+/-0.000 χ^2/NDF: 13.8/15

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: -0.000+/-0.000 χ^2/NDF:21.9/22

Out: 0.000+/-0.000 χ^2/NDF:25.4/27

All: 0.000+/-0.000 χ^2/NDF: 47.5/50



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1041855.2/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:428699.4/6

Left: 0.000+/-0.000 χ^2/NDF: 1826943.6/15

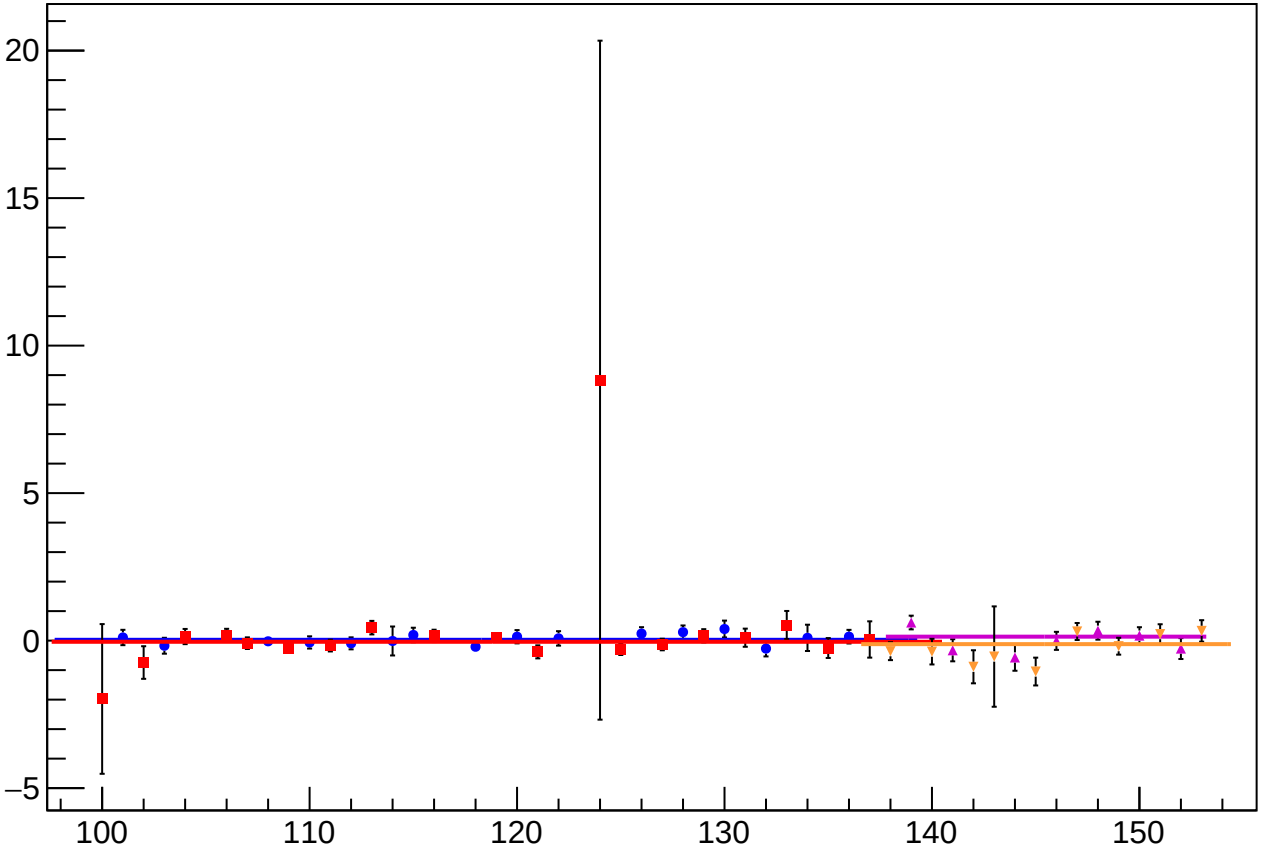
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:2126559.2/22

Out: 0.000+/-0.000 χ^2/NDF:3888605.4/27

All: 0.000+/-0.000 χ^2/NDF: 6498122.6/50

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: -0.119+/-0.124 χ^2/NDF:11.6/8

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.134+/-0.117 χ^2/NDF:10.2/6

Left: 0.014+/-0.085 χ^2/NDF: 24.0/15

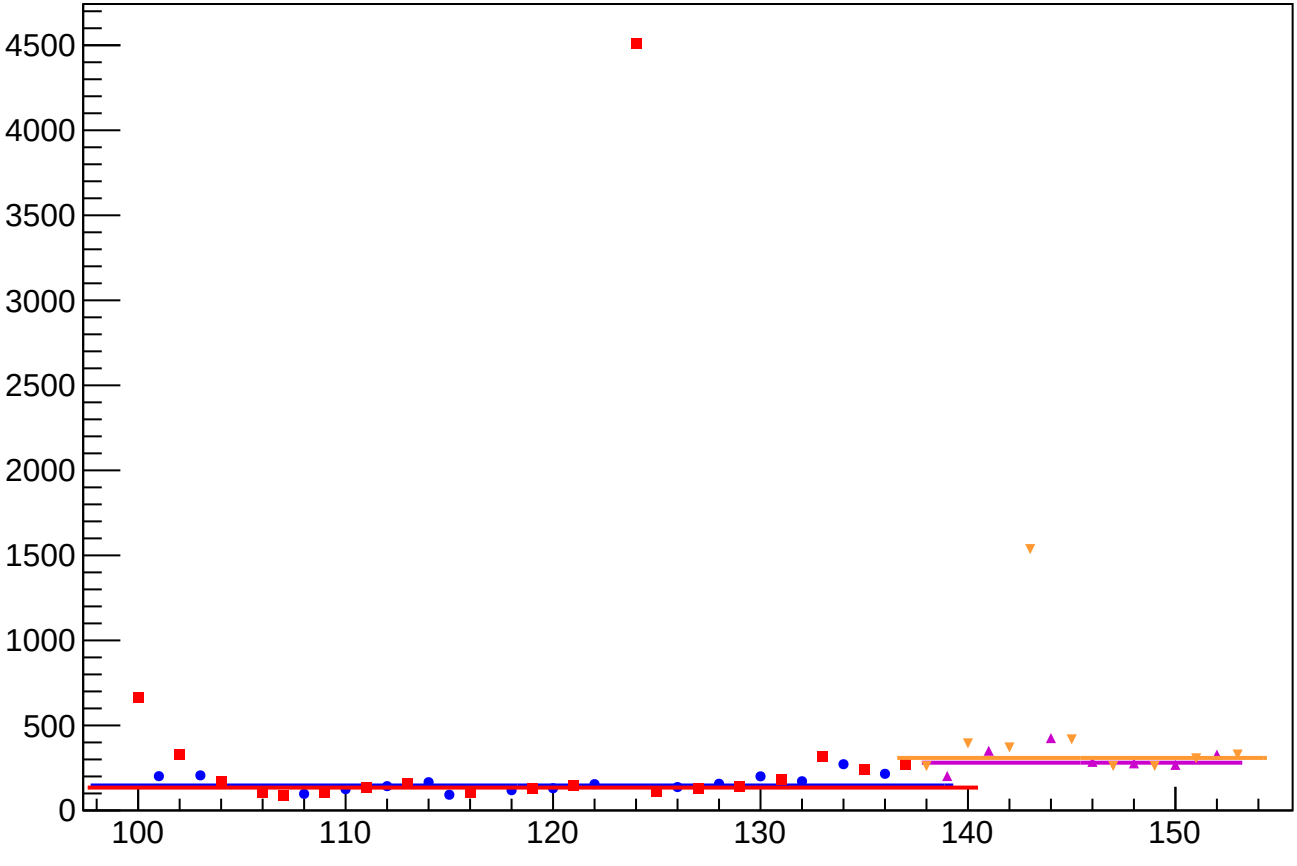
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.049+/-0.052 χ^2/NDF:20.3/22

Out: -0.052+/-0.050 χ^2/NDF:32.0/27

All: -0.003+/-0.036 χ^2/NDF: 54.2/50

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: 309.010+/-0.088 χ^2/NDF:1418308.9/8

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 280.884+/-0.083 χ^2/NDF:544153.6/6

Left: 294.187+/-0.060 χ^2/NDF: 2016700.9/15

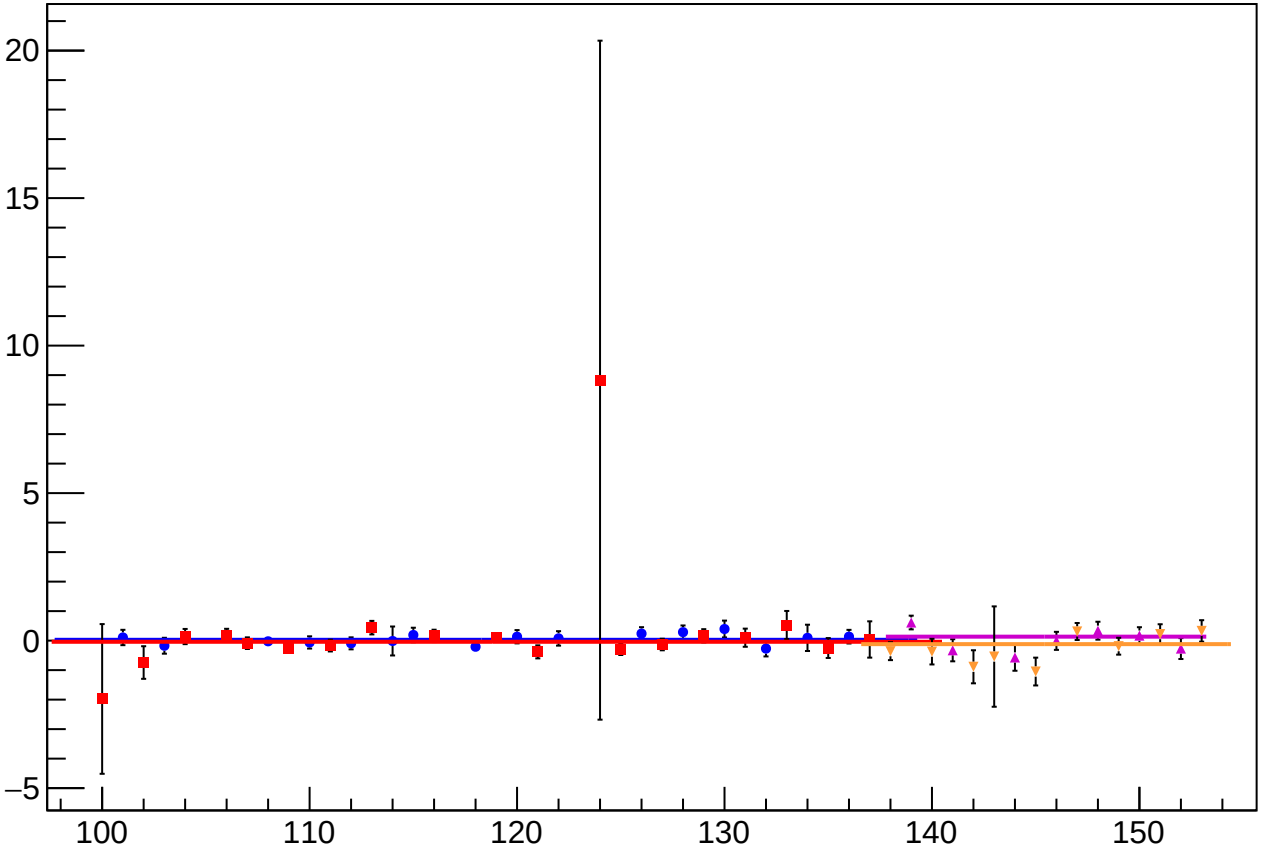
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 172.891+/-0.037 χ^2/NDF:3641488.3/22

Out: 163.004+/-0.035 χ^2/NDF:6339368.0/27

All: 167.784+/-0.025 χ^2/NDF: 10018509.5/50

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: -0.119+/-0.124 χ^2/NDF:11.6/8

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.134+/-0.117 χ^2/NDF:10.2/6

Left: 0.014+/-0.085 χ^2/NDF: 24.0/15

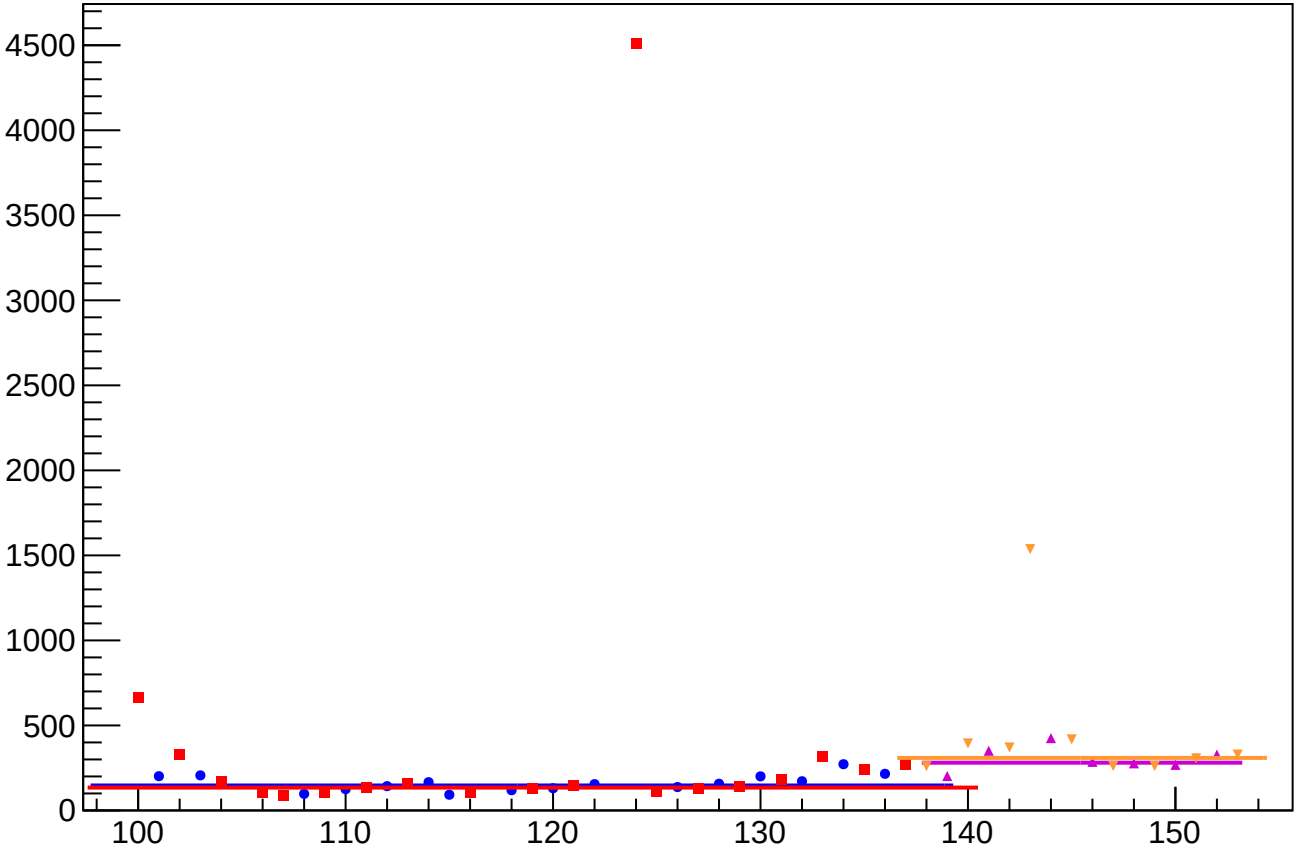
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.049+/-0.052 χ^2/NDF:20.3/22

Out: -0.052+/-0.050 χ^2/NDF:32.0/27

All: -0.003+/-0.036 χ^2/NDF: 54.2/50

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: 309.010+/-0.088 χ^2/NDF:1418308.9/8

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 280.884+/-0.083 χ^2/NDF:544153.6/6

Left: 294.187+/-0.060 χ^2/NDF: 2016700.9/15

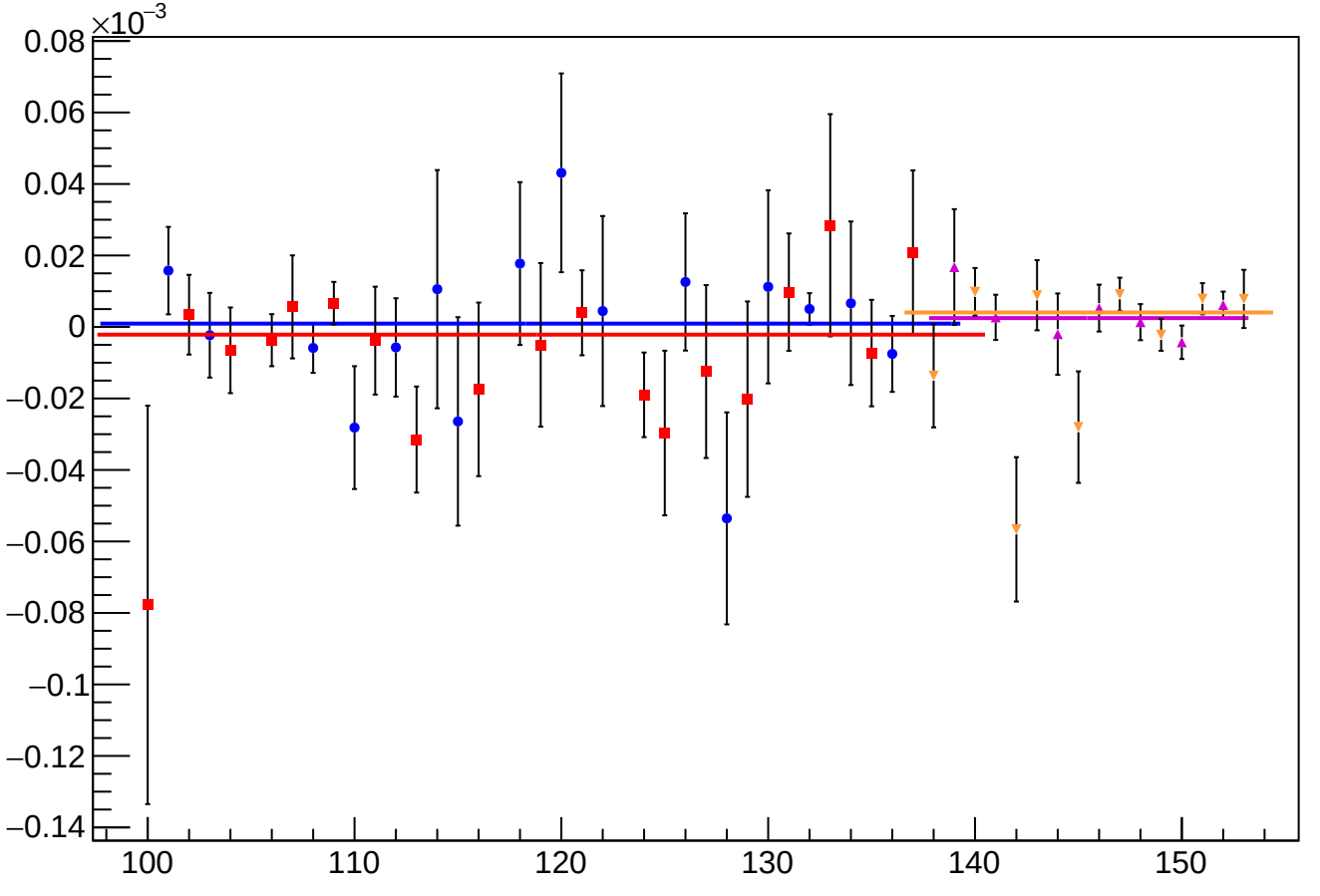
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 172.891+/-0.037 χ^2/NDF:3641488.3/22

Out: 163.004+/-0.035 χ^2/NDF:6339368.0/27

All: 167.784+/-0.025 χ^2/NDF: 10018509.5/50

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.9/8

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

Left In: 0.000+/-0.000 χ^2/NDF:4.2/6

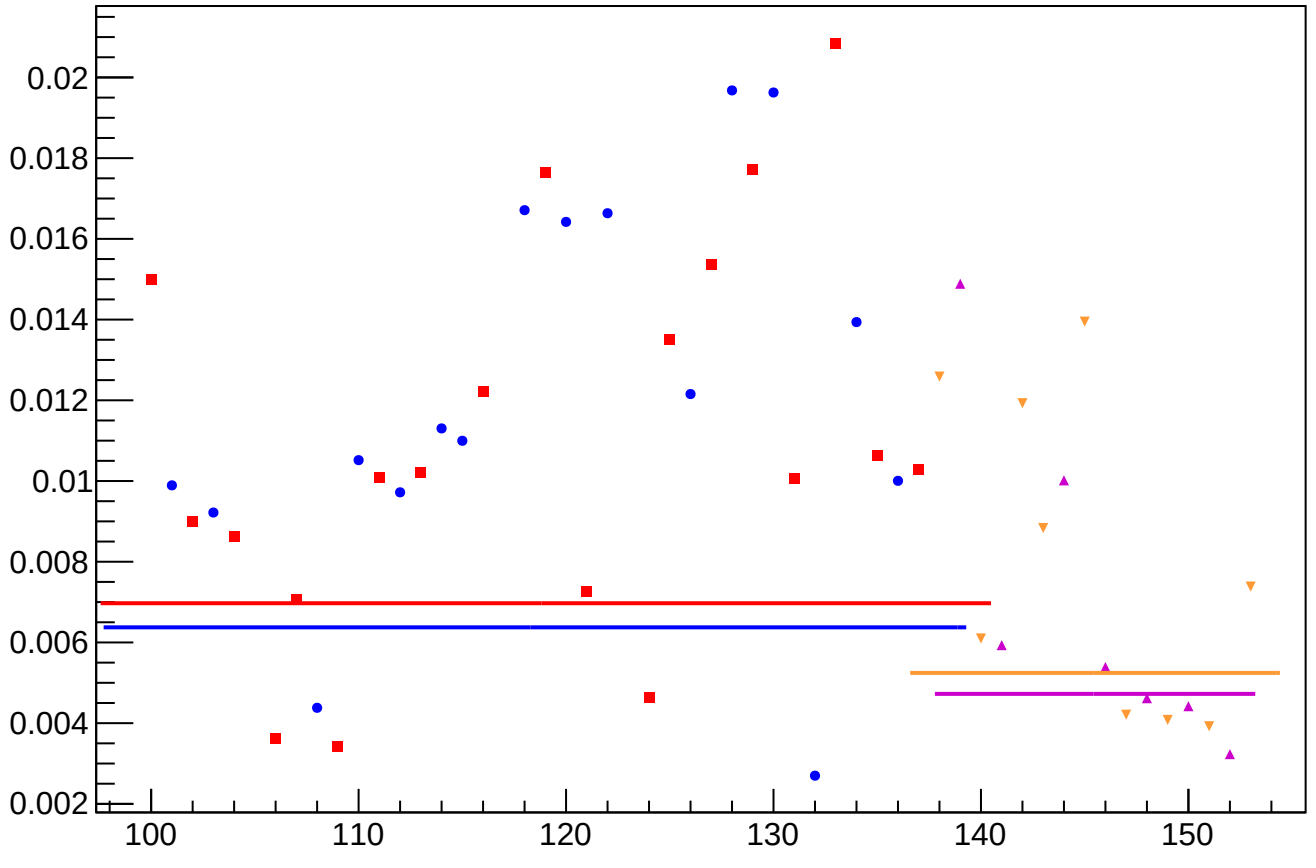
Left: 0.000+/-0.000 χ^2/NDF: 24.4/15

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: 0.000+/-0.000 χ^2/NDF:19.3/22

Out: 0.000+/-0.000 χ^2/NDF:38.7/27

All: 0.000+/-0.000 χ^2/NDF: 58.0/50



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:2216600.2/8

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:1642592.5/6

Left: 0.005+/-0.000 χ^2/NDF: 3916555.8/15

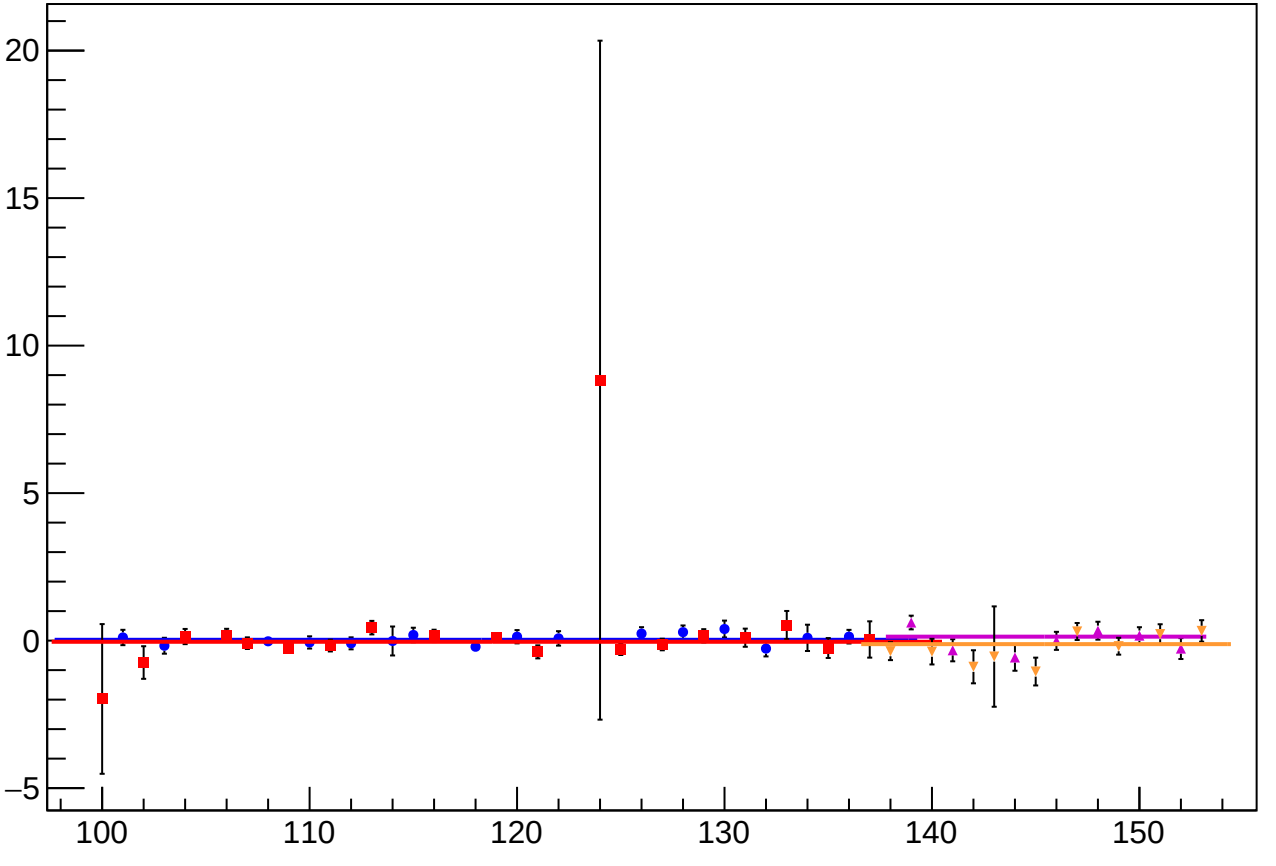
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.005+/-0.000 χ^2/NDF:6694531.2/22

Out: 0.006+/-0.000 χ^2/NDF:6056102.4/27

All: 0.006+/-0.000 χ^2/NDF: 12845103.5/50

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: -0.119+/-0.124 χ^2/NDF:11.6/8

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.134+/-0.117 χ^2/NDF:10.2/6

Left: 0.014+/-0.085 χ^2/NDF: 24.0/15

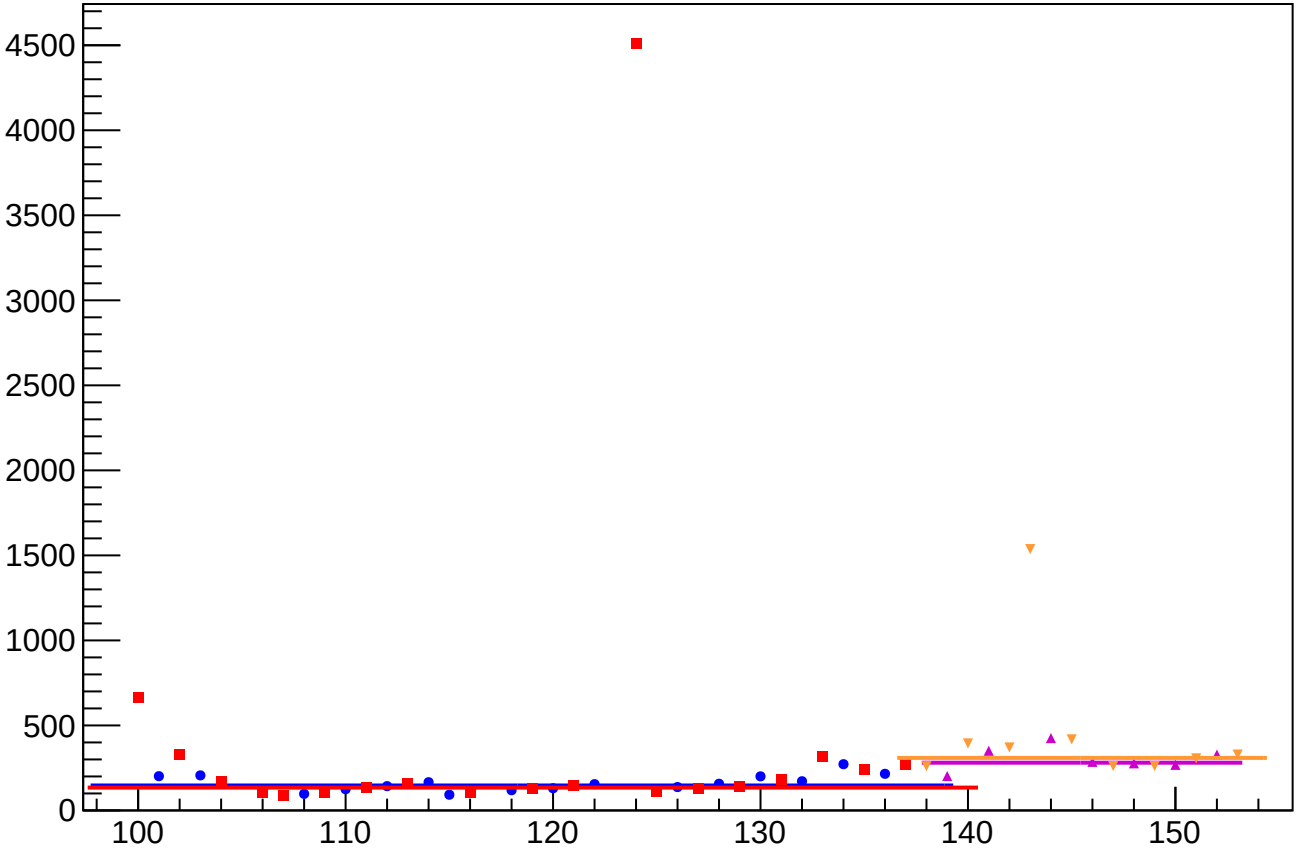
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.049+/-0.052 χ^2/NDF:20.3/22

Out: -0.052+/-0.050 χ^2/NDF:32.0/27

All: -0.003+/-0.036 χ^2/NDF: 54.2/50

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: 309.013+/-0.088 χ^2/NDF:1418308.0/8

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 280.888+/-0.083 χ^2/NDF:544132.6/6

Left: 294.190+/-0.060 χ^2/NDF: 2016675.6/15

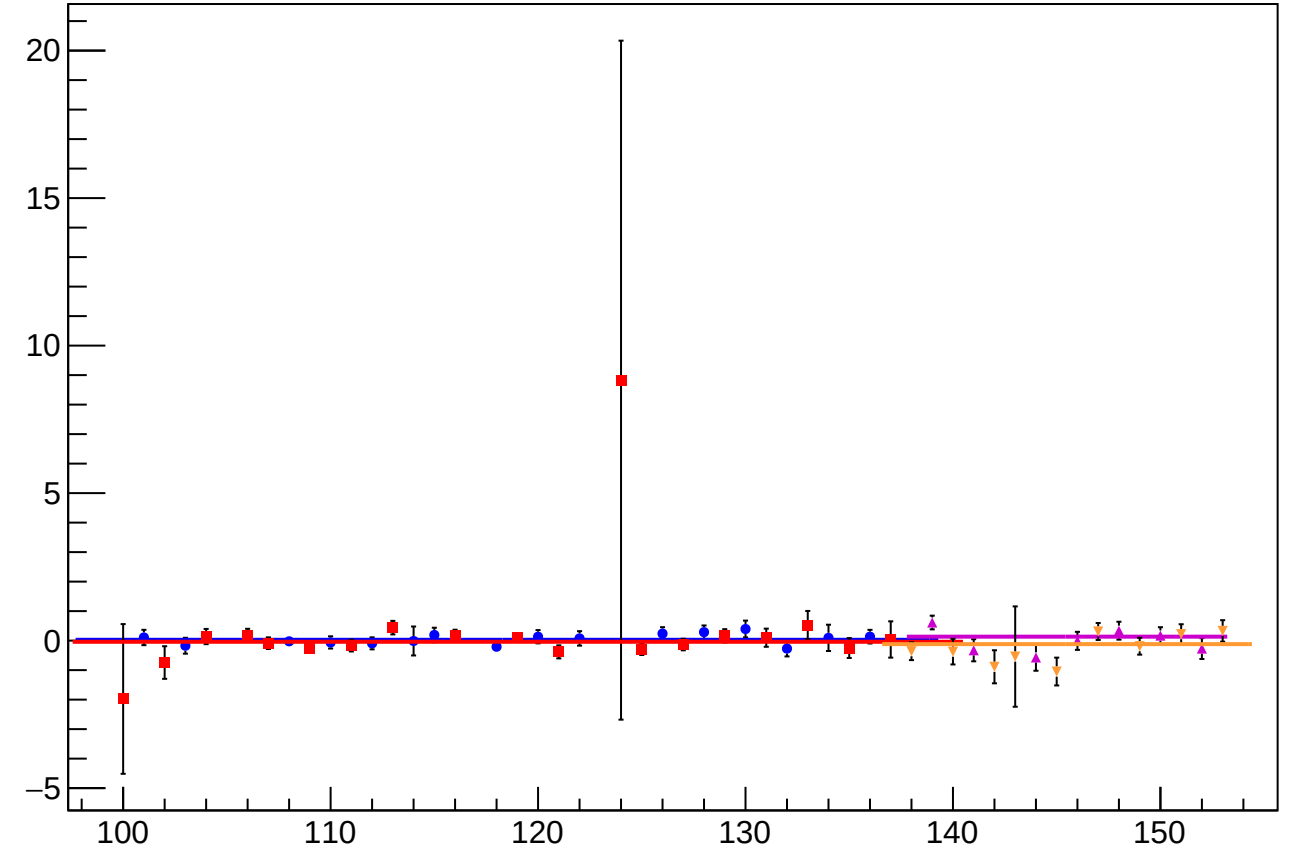
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 172.891+/-0.037 χ^2/NDF:3641488.5/22

Out: 163.005+/-0.035 χ^2/NDF:6339304.9/27

All: 167.785+/-0.025 χ^2/NDF: 10018436.1/50

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: -0.119+/-0.124 χ^2/NDF:11.6/8

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.134+/-0.117 χ^2/NDF:10.2/6

Left: 0.014+/-0.085 χ^2/NDF: 24.0/15

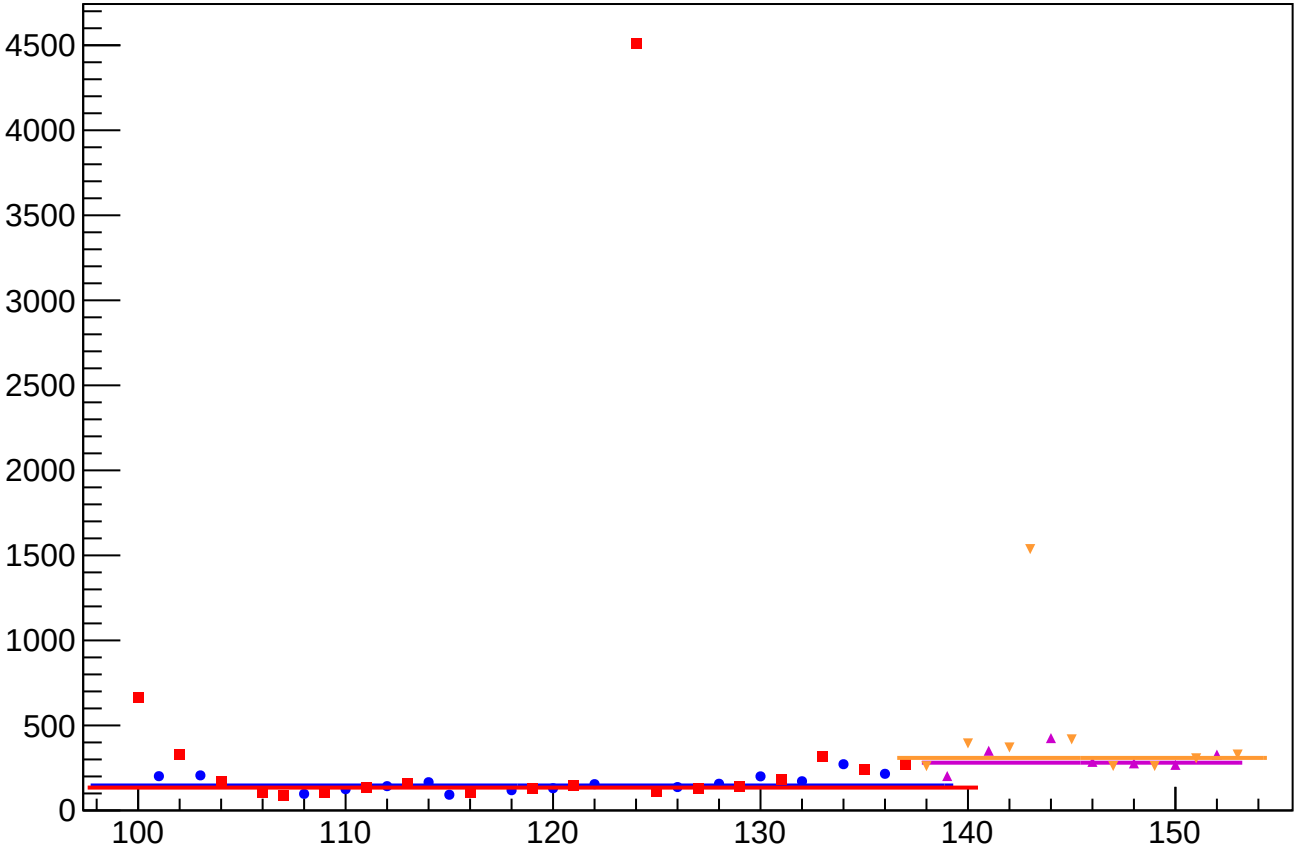
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.049+/-0.052 χ^2/NDF:20.3/22

Out: -0.052+/-0.050 χ^2/NDF:32.0/27

All: -0.003+/-0.036 χ^2/NDF: 54.2/50

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: 309.013+/-0.088 χ^2/NDF:1418308.0/8

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 280.888+/-0.083 χ^2/NDF:544132.6/6

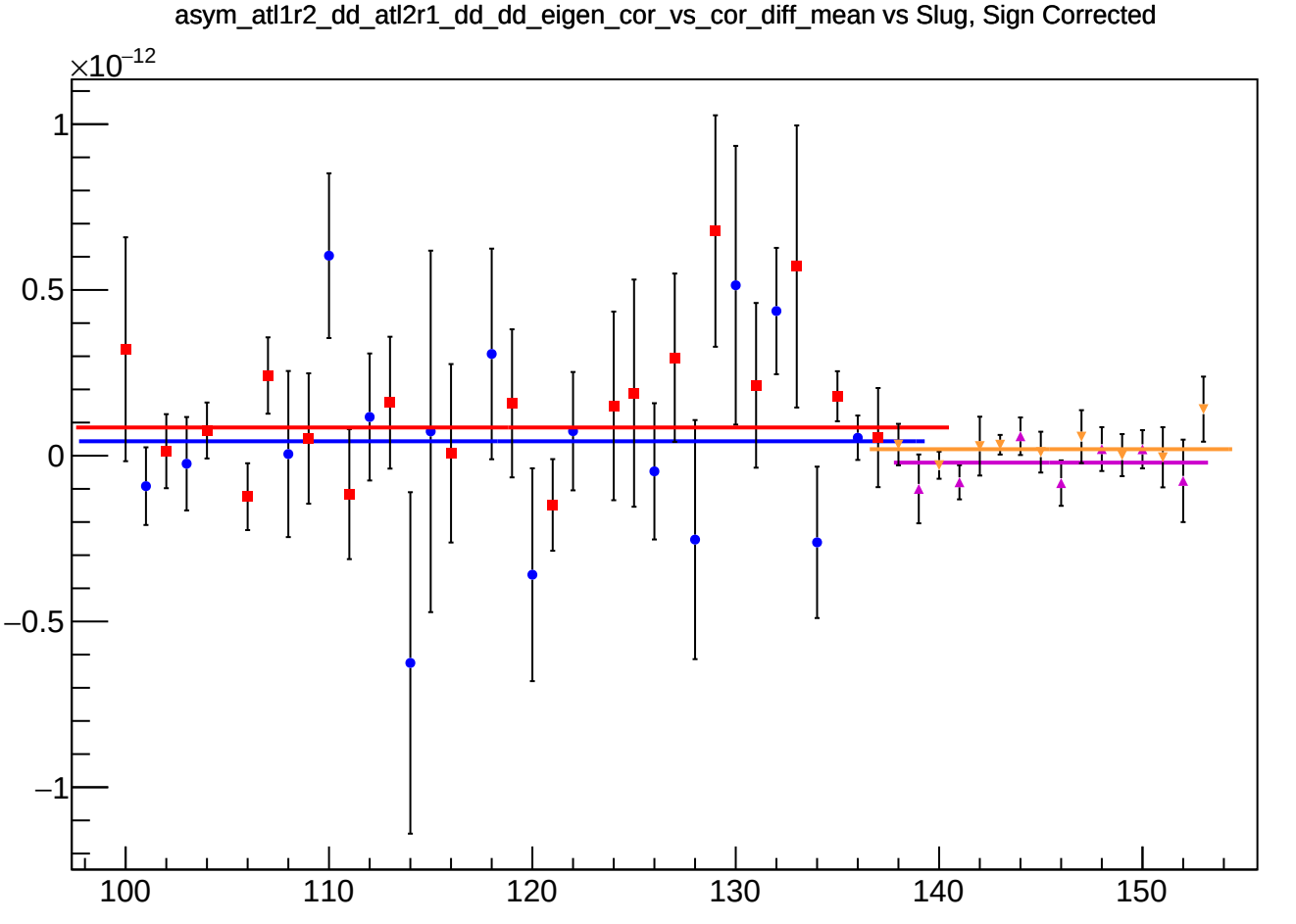
Left: 294.190+/-0.060 χ^2/NDF: 2016675.6/15

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 172.891+/-0.037 χ^2/NDF:3641488.5/22

Out: 163.005+/-0.035 χ^2/NDF:6339304.9/27

All: 167.785+/-0.025 χ^2/NDF: 10018436.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.6/8

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:5.8/6

Left: 0.000+/-0.000 χ^2/NDF: 11.0/15

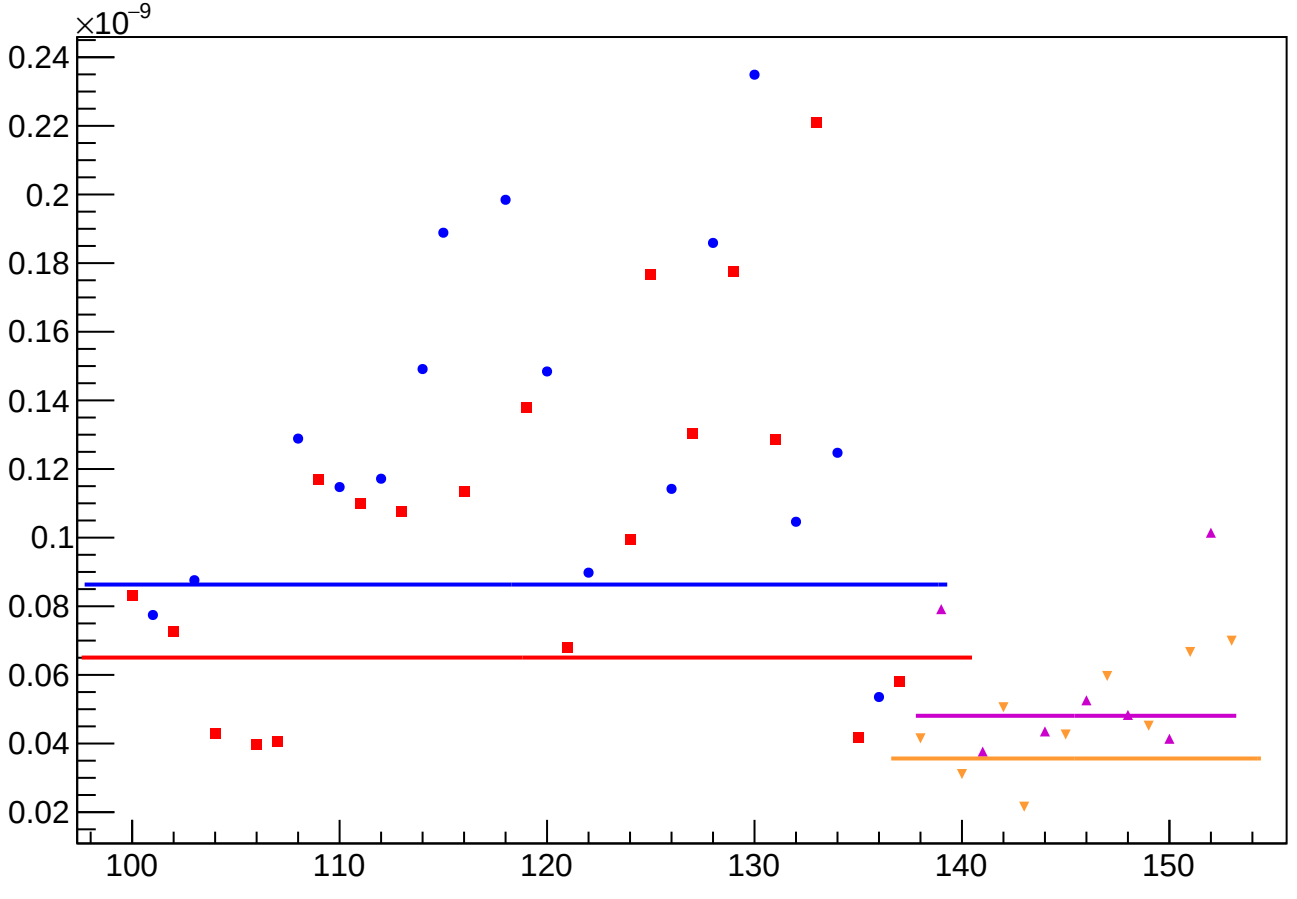
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: -0.000+/-0.000 χ^2/NDF:26.4/22

Out: 0.000+/-0.000 χ^2/NDF:24.6/27

All: 0.000+/-0.000 χ^2/NDF: 53.1/50

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:1279426.7/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:678131.0/6

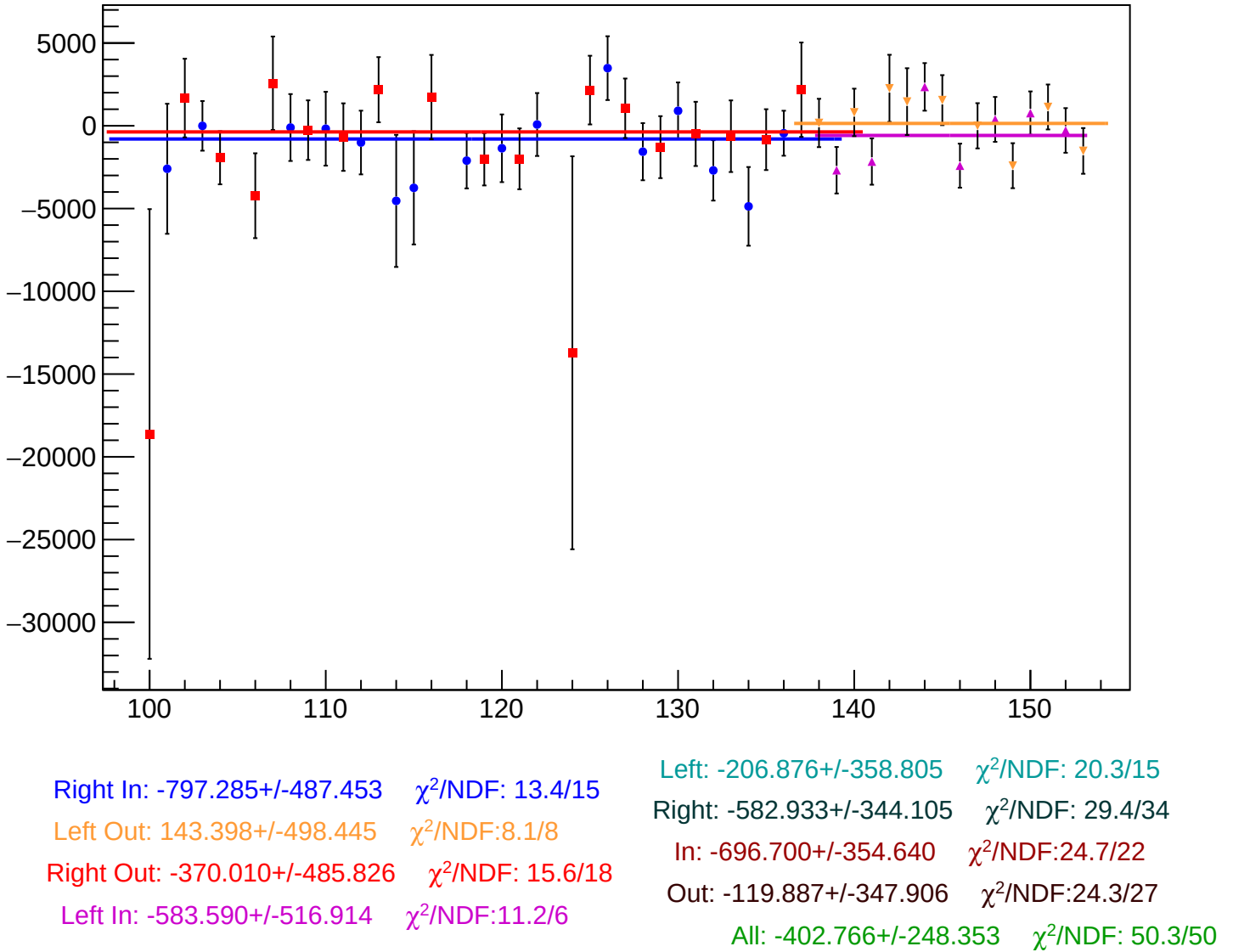
Left: 0.000+/-0.000 χ^2/NDF: 2279464.9/15

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

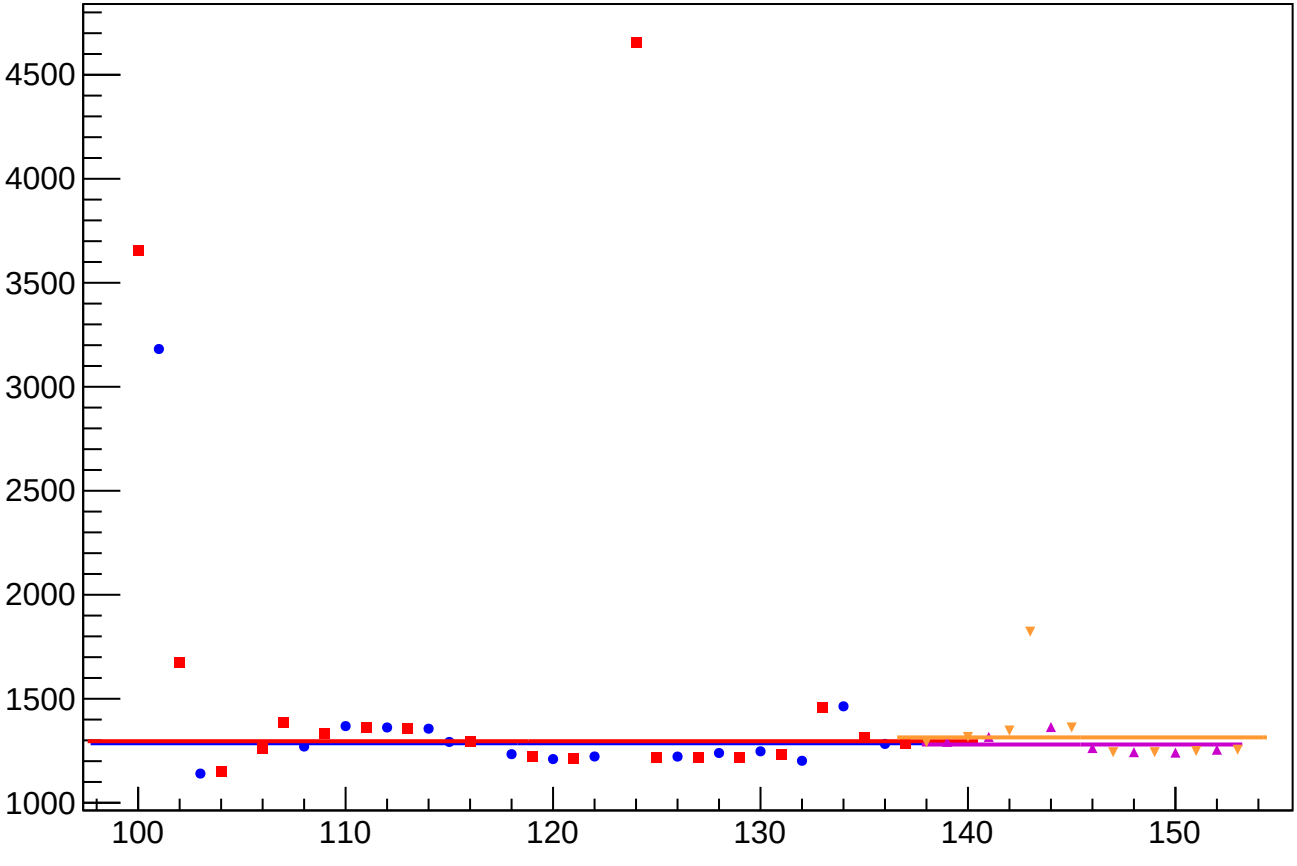
In: 0.000+/-0.000 χ^2/NDF:3434958.0/22

Out: 0.000+/-0.000 χ^2/NDF:4588730.5/27

All: 0.000+/-0.000 χ^2/NDF: 8706372.8/50


reg_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
Right In: -797.285+/-487.453 χ²/NDF: 13.4/15
Left Out: 143.398+/-498.445 χ²/NDF:8.1/8
Right Out: -370.010+/-485.826 χ²/NDF: 15.6/18
Left In: -583.590+/-516.914 χ²/NDF:11.2/6
Left: -206.876+/-358.805 χ²/NDF: 20.3/15
Right: -582.933+/-344.105 χ²/NDF: 29.4/34
In: -696.700+/-354.640 χ²/NDF:24.7/22
Out: -119.887+/-347.906 χ²/NDF:24.3/27
All: -402.766+/-248.353 χ²/NDF: 50.3/50

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug, Sign Corrected



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1314.292+/-0.352 χ^2/NDF:149256.9/8

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1280.094+/-0.366 χ^2/NDF:12635.6/6

Left: 1297.815+/-0.254 χ^2/NDF: 166428.6/15

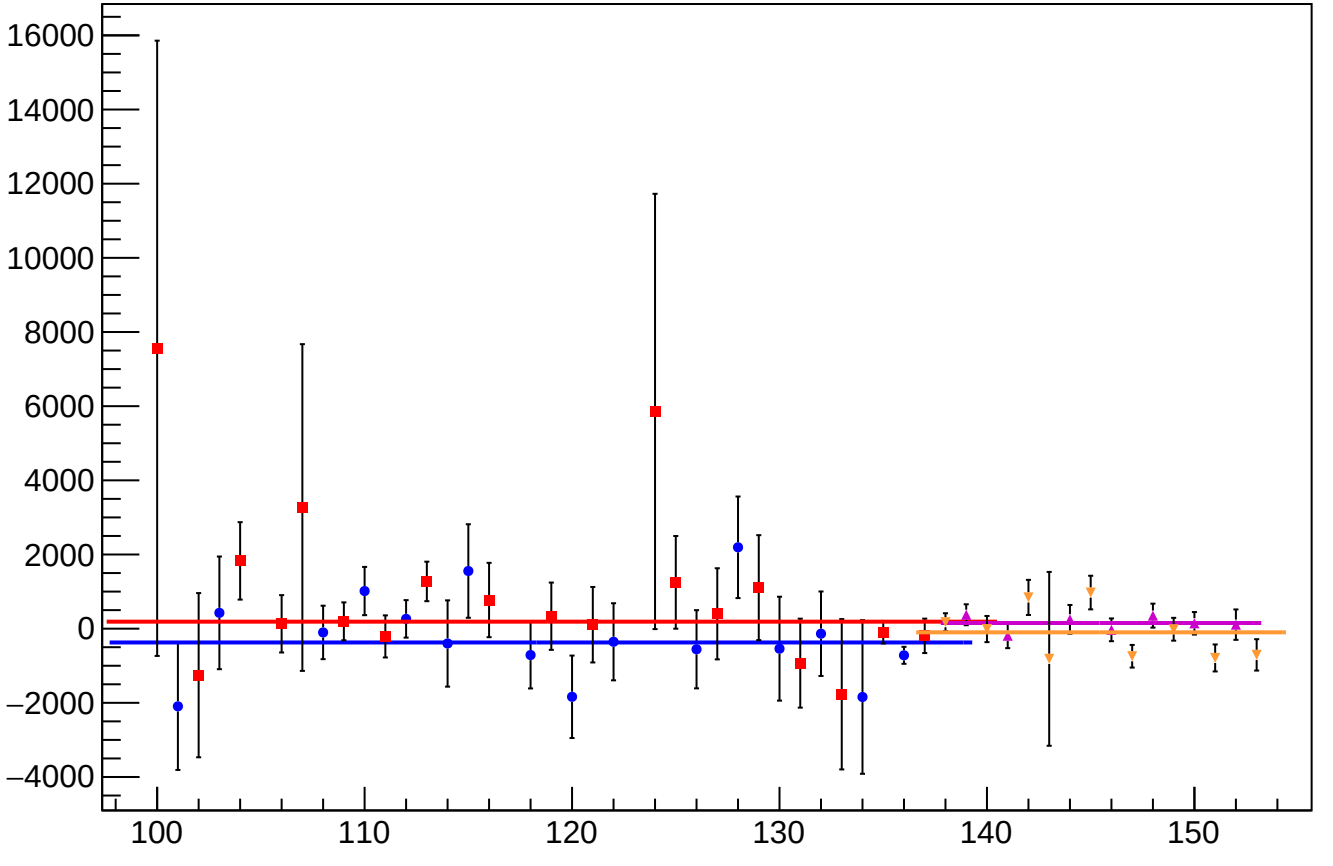
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1283.271+/-0.251 χ^2/NDF:530905.3/22

Out: 1304.882+/-0.246 χ^2/NDF:478716.7/27

All: 1294.284+/-0.176 χ^2/NDF: 1013406.6/50

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: -98.665+/-120.284 χ^2/NDF:21.2/8

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 152.828+/-123.979 χ^2/NDF:2.5/6

Left: 23.278+/-86.330 χ^2/NDF: 25.8/15

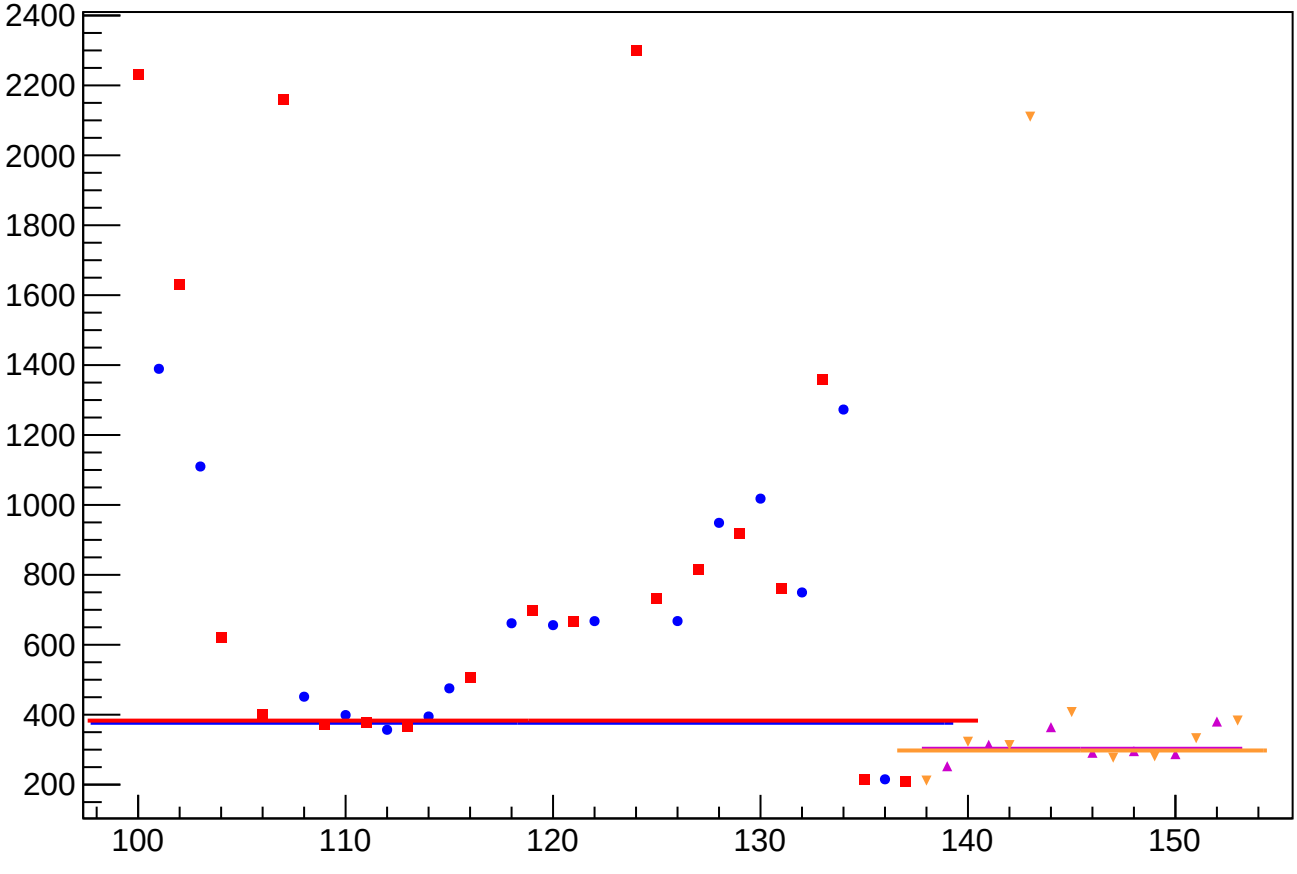
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: -32.042+/-99.799 χ^2/NDF:26.9/22

Out: -2.395+/-98.109 χ^2/NDF:37.8/27

All: -16.965+/-69.963 χ^2/NDF: 64.7/50

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: 297.652+/-0.085 χ^2/NDF:1695747.5/8

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 302.561+/-0.088 χ^2/NDF:196714.5/6

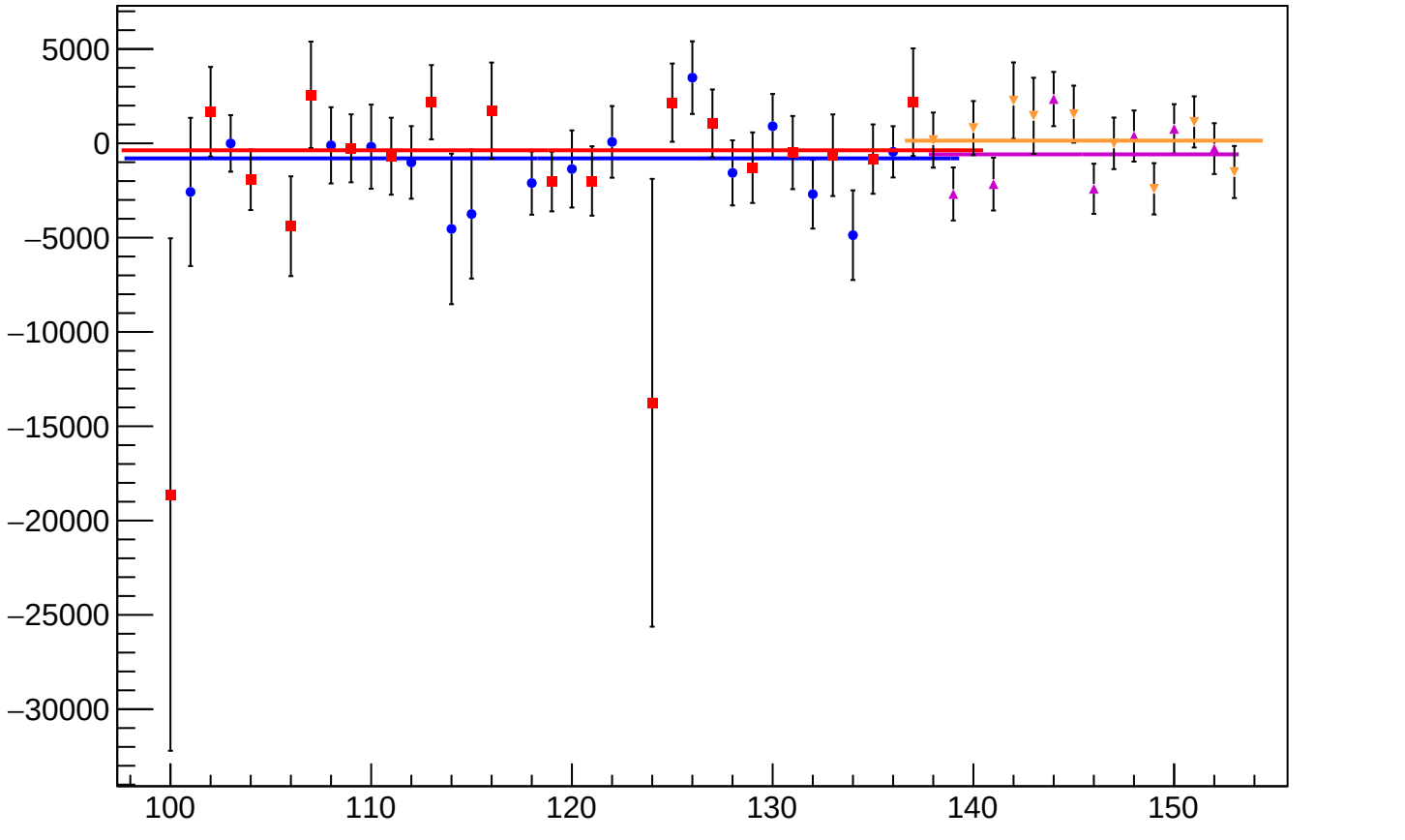
Left: 300.032+/-0.061 χ^2/NDF: 1894077.1/15

Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 328.728+/-0.071 χ^2/NDF:4639993.5/22

Out: 326.245+/-0.069 χ^2/NDF:6087501.3/27

All: 327.465+/-0.049 χ^2/NDF: 10728124.3/50



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: 143.408+/-498.445 χ^2/NDF:8.1/8

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -583.580+/-516.914 χ^2/NDF:11.2/6

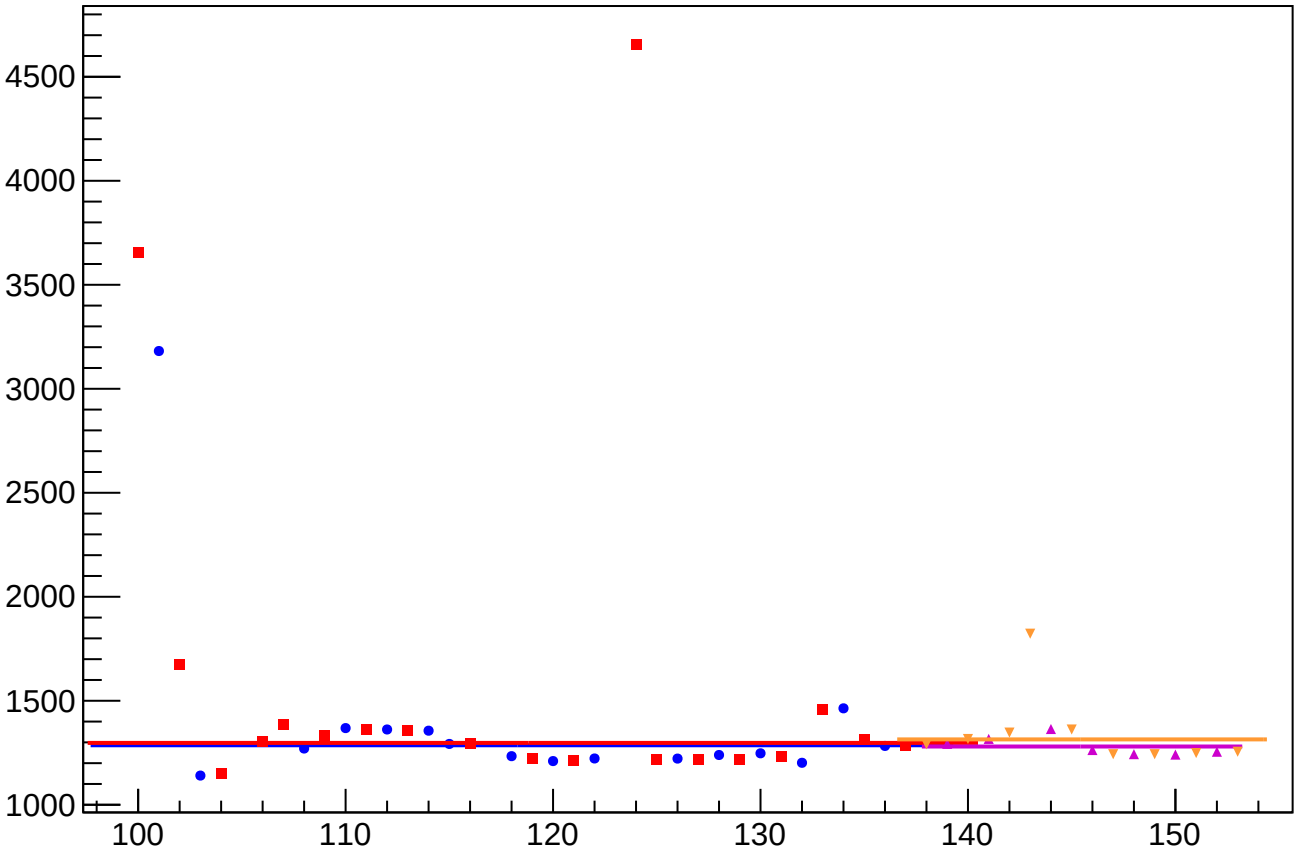
Left: -206.867+/-358.805 χ^2/NDF: 20.3/15

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -696.483+/-354.640 χ^2/NDF:24.7/22

Out: -118.309+/-348.098 χ^2/NDF:24.3/27

All: -402.014+/-248.423 χ^2/NDF: 50.4/50



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1314.292+/-0.352 χ^2/NDF:149256.9/8

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1280.094+/-0.366 χ^2/NDF:12635.6/6

Left: 1297.815+/-0.254 χ^2/NDF: 166428.6/15

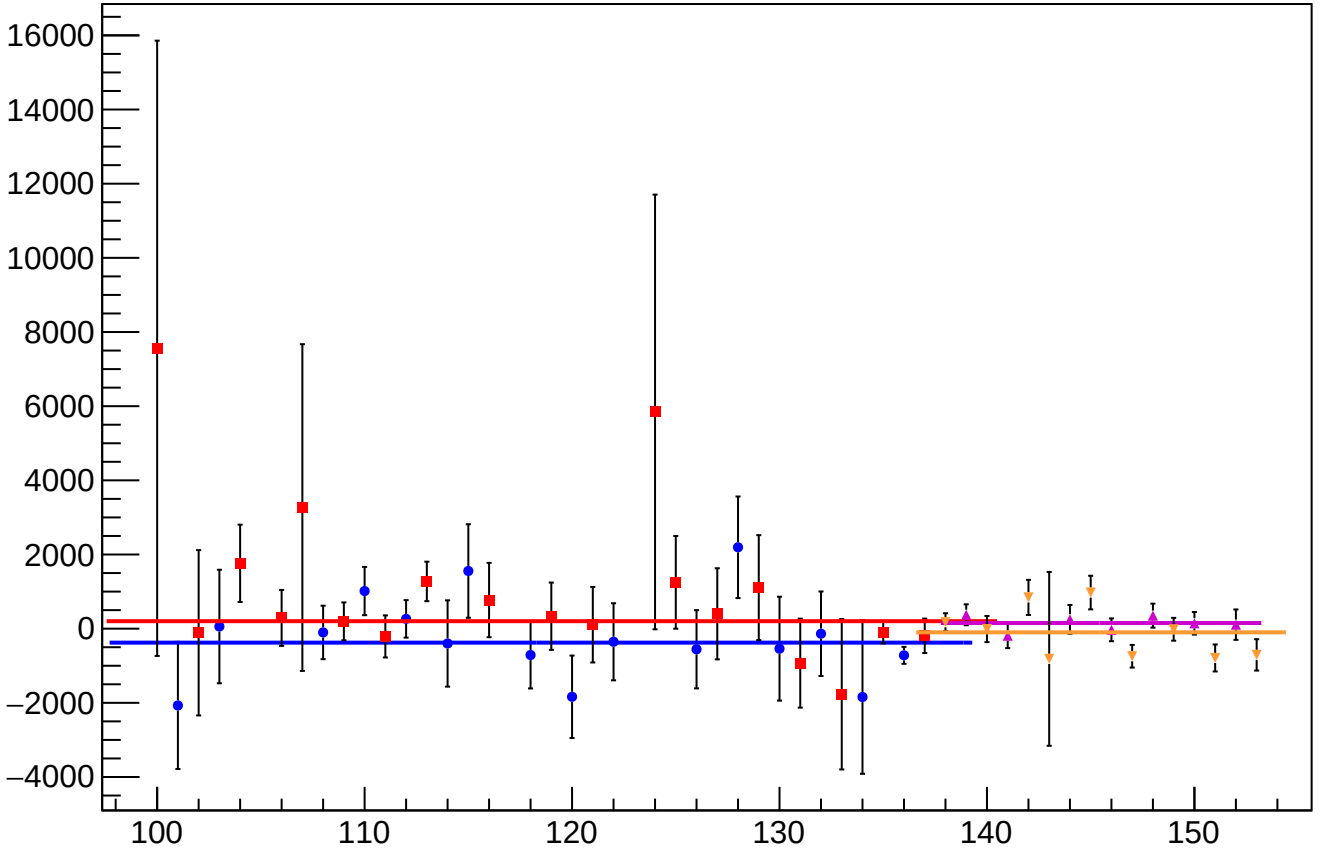
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1283.271+/-0.251 χ^2/NDF:530906.7/22

Out: 1305.635+/-0.246 χ^2/NDF:478176.1/27

All: 1294.661+/-0.176 χ^2/NDF: 1013133.6/50

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: -98.680+/-120.287 χ^2/NDF:21.2/8

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 152.851+/-123.978 χ^2/NDF:2.5/6

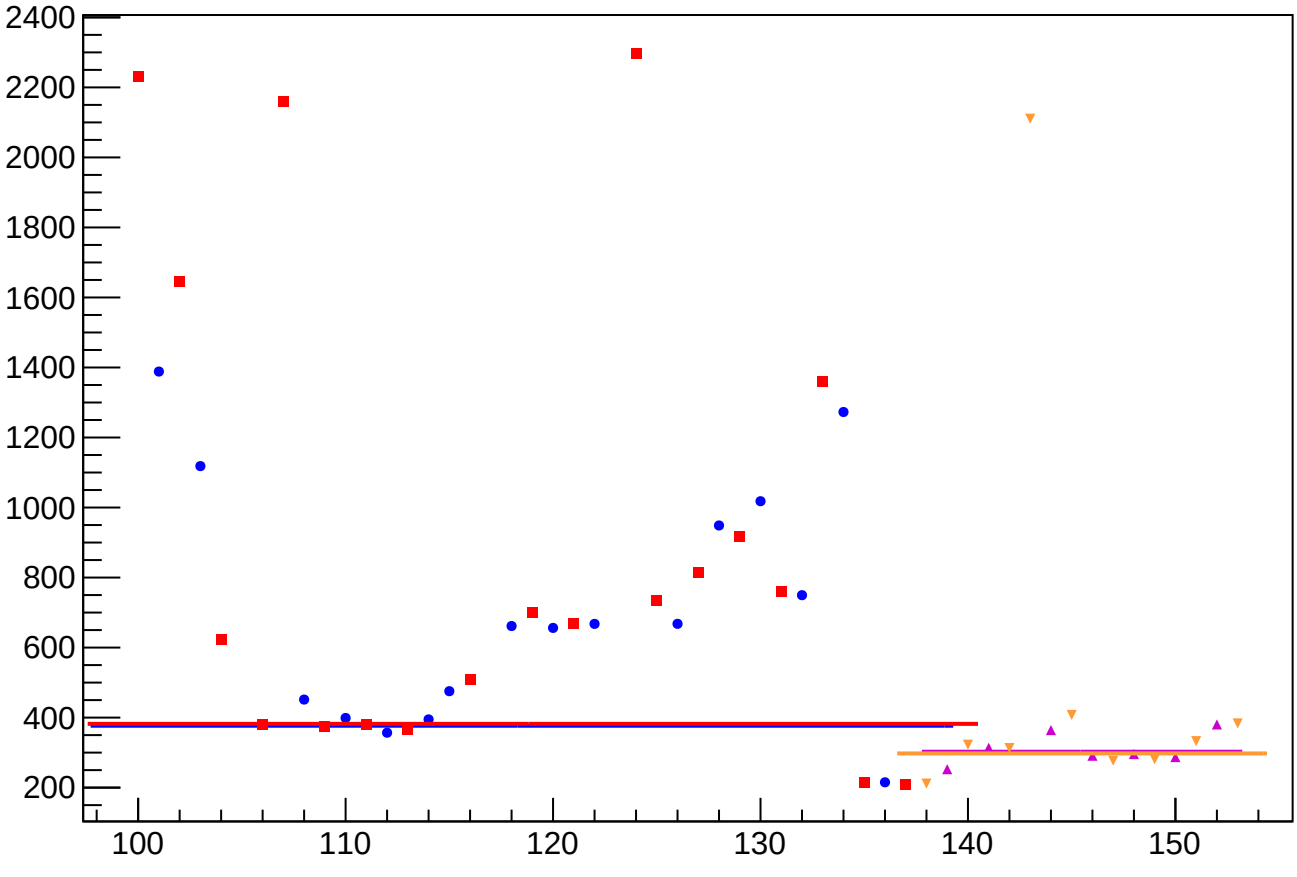
Left: 23.286+/-86.331 χ^2/NDF: 25.8/15

Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -33.561+/-99.802 χ^2/NDF:26.8/22

Out: 2.174+/-98.072 χ^2/NDF:37.3/27

All: -15.381+/-69.951 χ^2/NDF: 64.2/50



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 297.662+/-0.085 χ^2/NDF:1695722.7/8

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 302.558+/-0.088 χ^2/NDF:196709.3/6

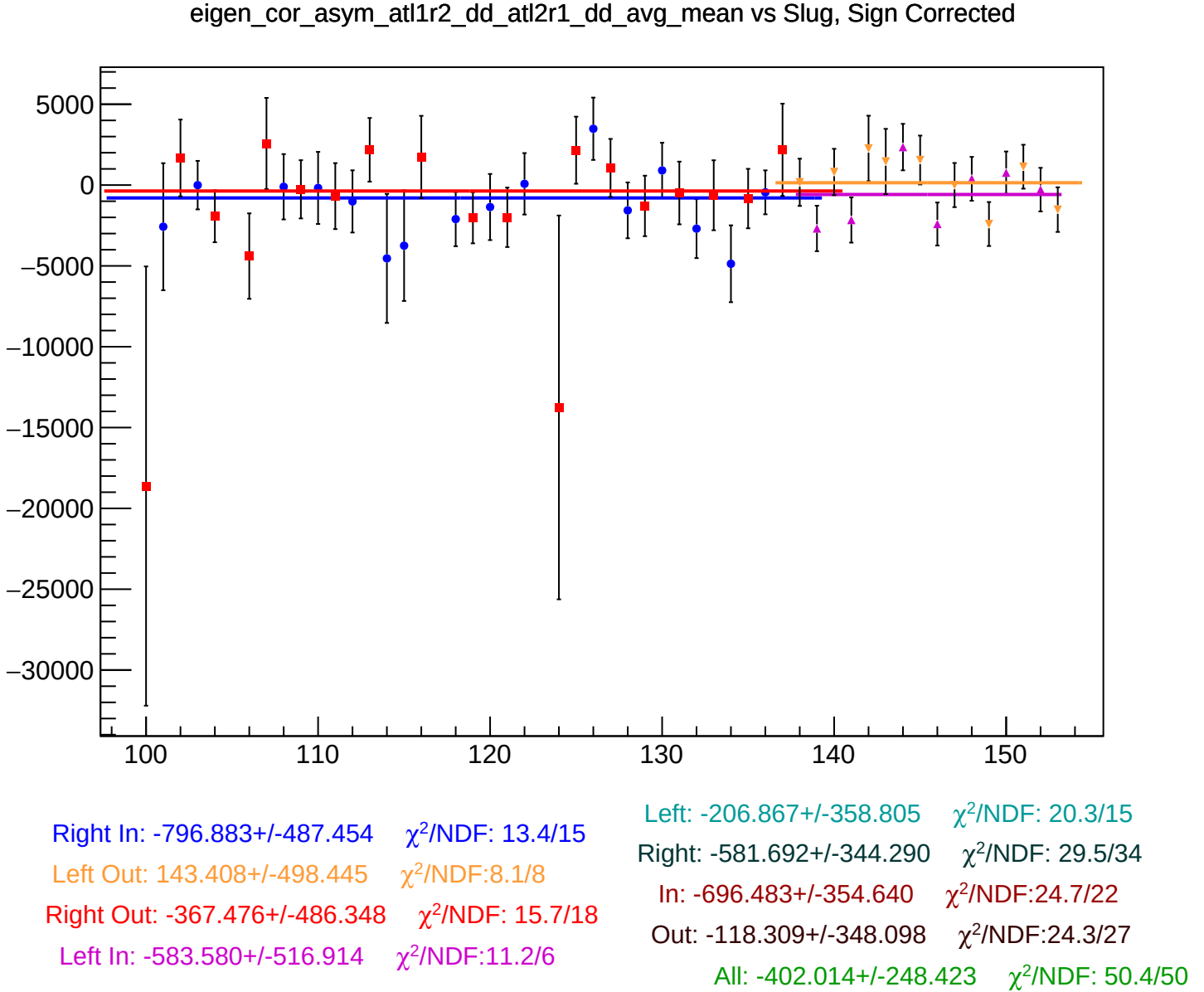
Left: 300.036+/-0.061 χ^2/NDF: 1894038.6/15

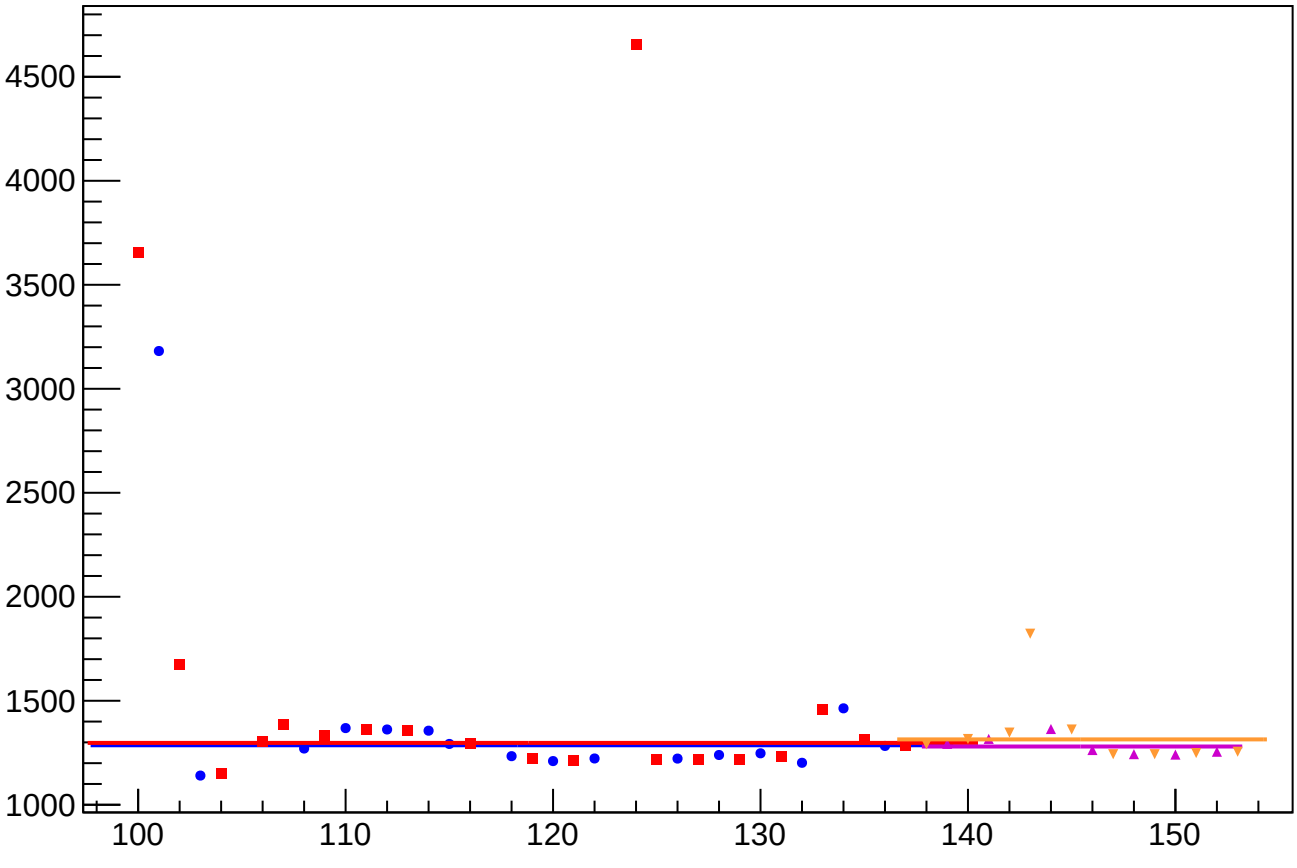
Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 328.719+/-0.071 χ^2/NDF:4643043.7/22

Out: 325.983+/-0.069 χ^2/NDF:6086010.0/27

All: 327.327+/-0.049 χ^2/NDF: 10729818.3/50


eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: 143.408+/-498.445 χ²/NDF:8.1/8
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -583.580+/-516.914 χ²/NDF:11.2/6
Left: -206.867+/-358.805 χ²/NDF: 20.3/15
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -696.483+/-354.640 χ²/NDF:24.7/22
Out: -118.309+/-348.098 χ²/NDF:24.3/27
All: -402.014+/-248.423 χ²/NDF: 50.4/50



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1314.292+/-0.352 χ^2/NDF:149256.9/8

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1280.094+/-0.366 χ^2/NDF:12635.6/6

Left: 1297.815+/-0.254 χ^2/NDF: 166428.6/15

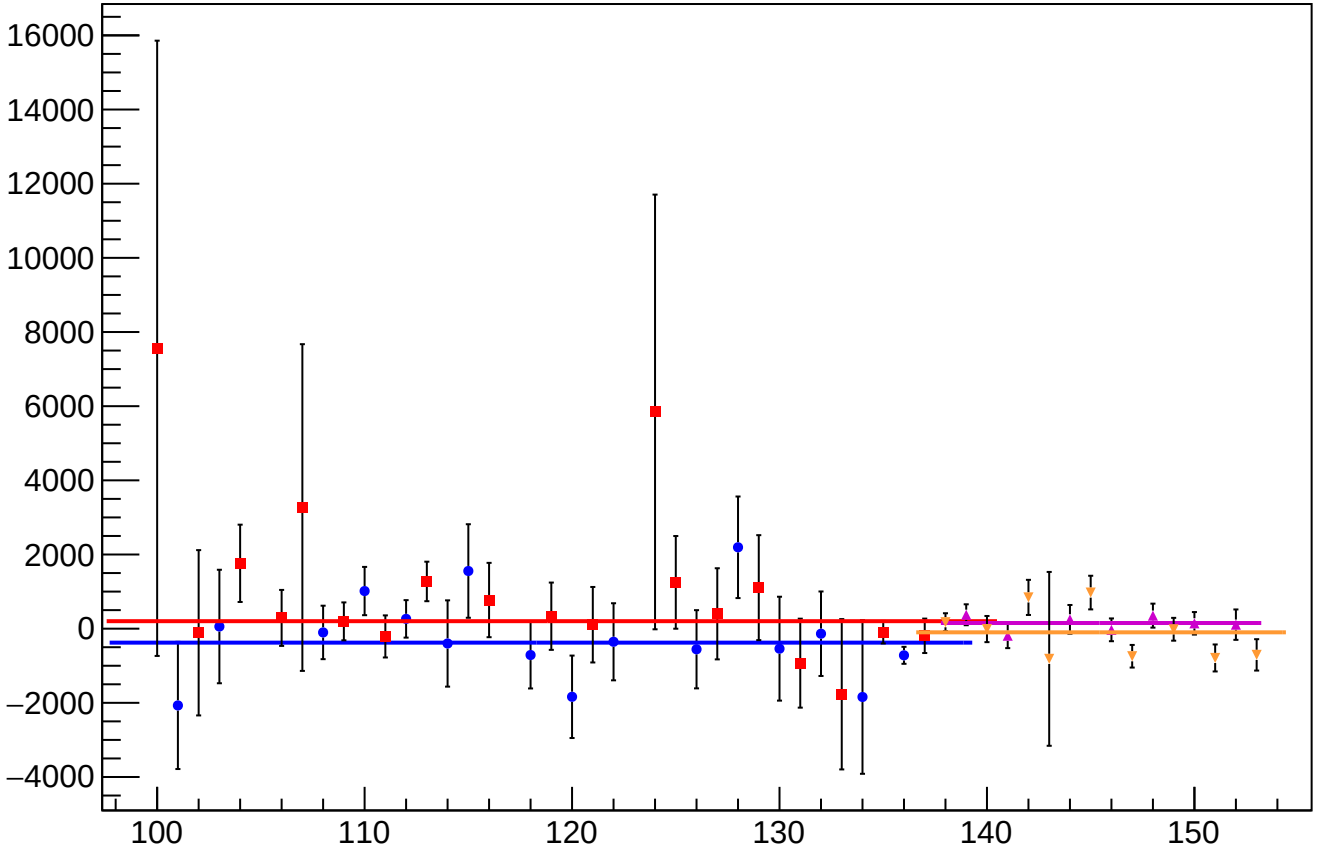
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1283.271+/-0.251 χ^2/NDF:530906.7/22

Out: 1305.635+/-0.246 χ^2/NDF:478176.1/27

All: 1294.661+/-0.176 χ^2/NDF: 1013133.6/50

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: -98.680+/-120.287 χ^2/NDF:21.2/8

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 152.851+/-123.978 χ^2/NDF:2.5/6

Left: 23.286+/-86.331 χ^2/NDF: 25.8/15

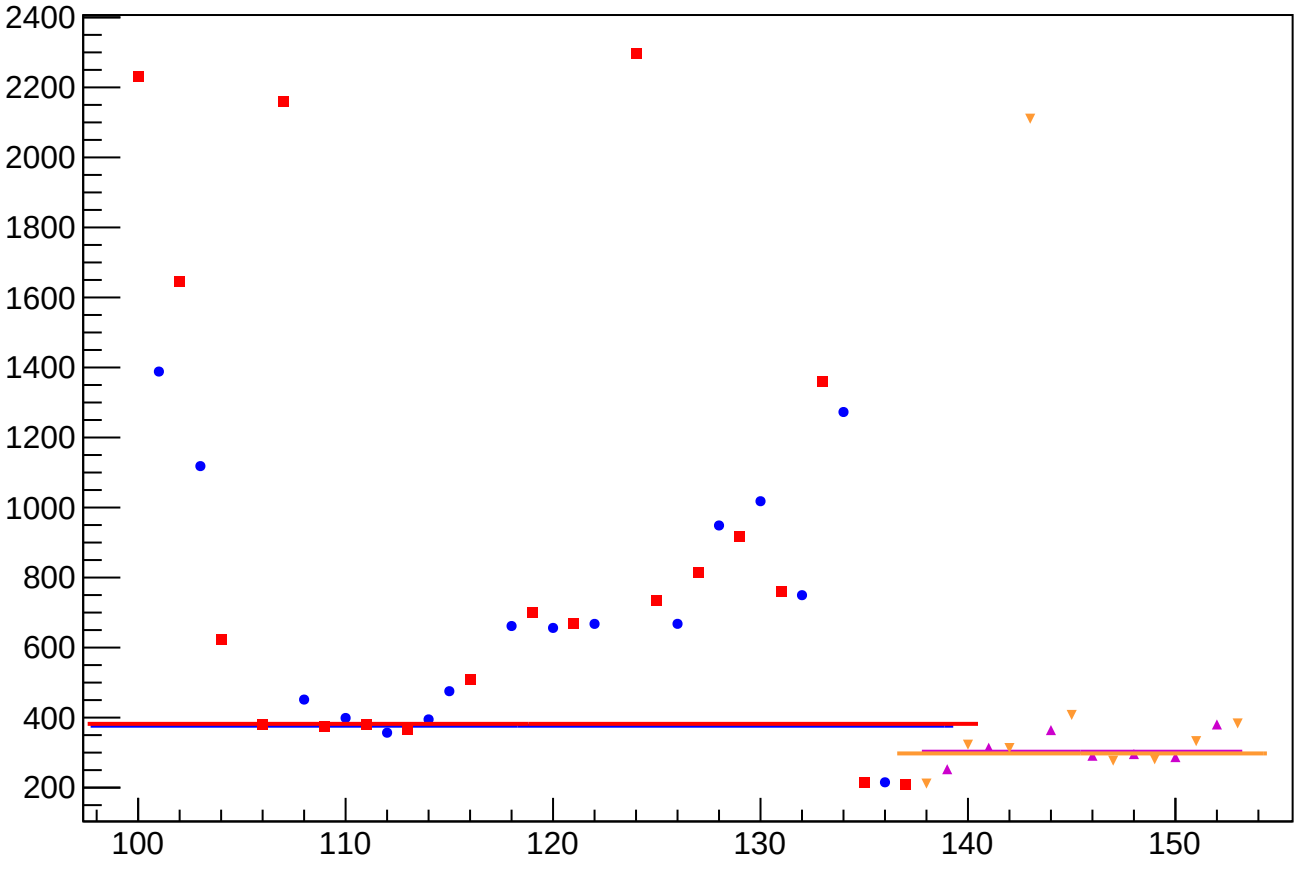
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -33.561+/-99.802 χ^2/NDF:26.8/22

Out: 2.174+/-98.072 χ^2/NDF:37.3/27

All: -15.381+/-69.951 χ^2/NDF: 64.2/50

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: 297.662+/-0.085 χ^2/NDF:1695722.7/8

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 302.558+/-0.088 χ^2/NDF:196709.3/6

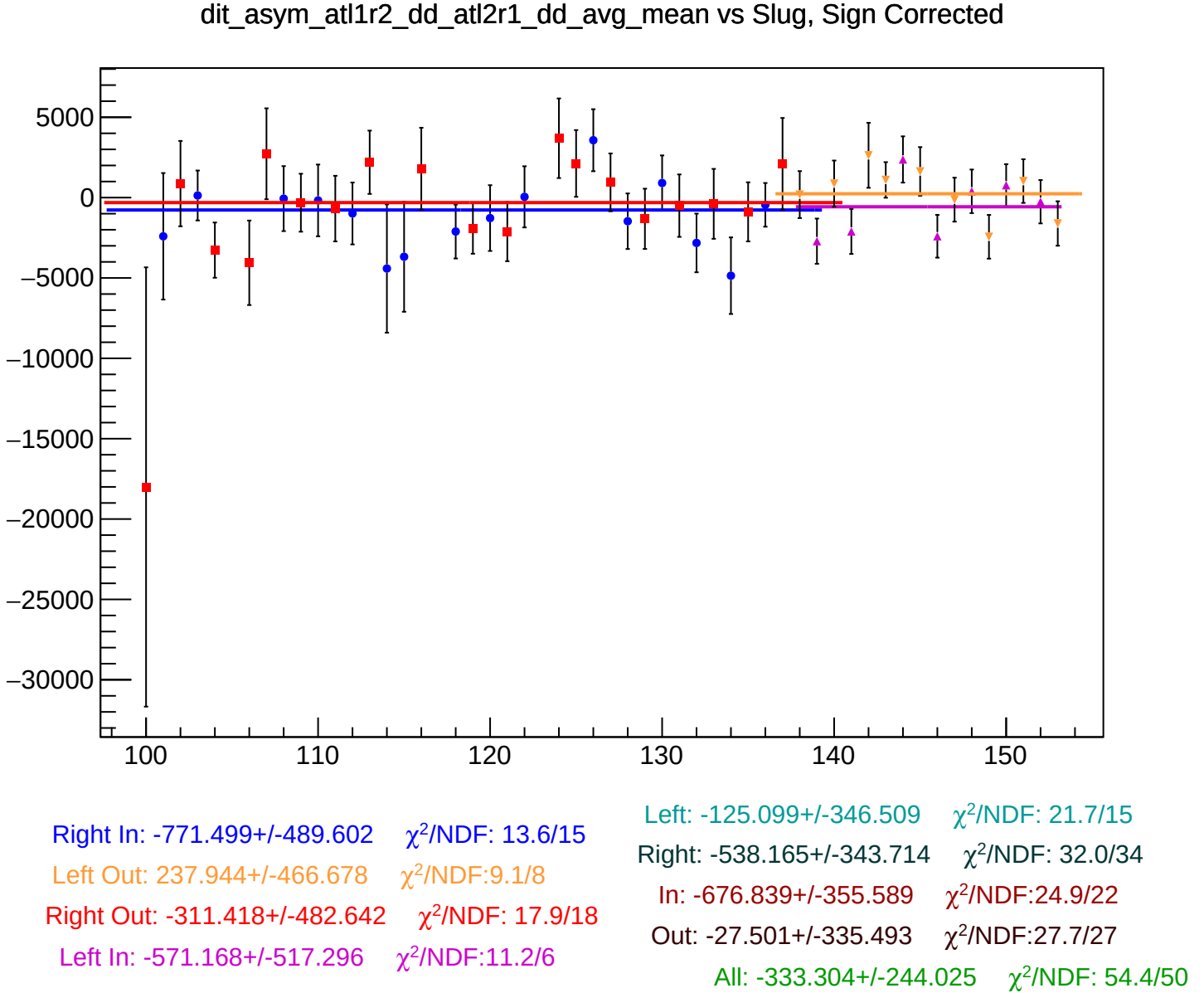
Left: 300.036+/-0.061 χ^2/NDF: 1894038.6/15

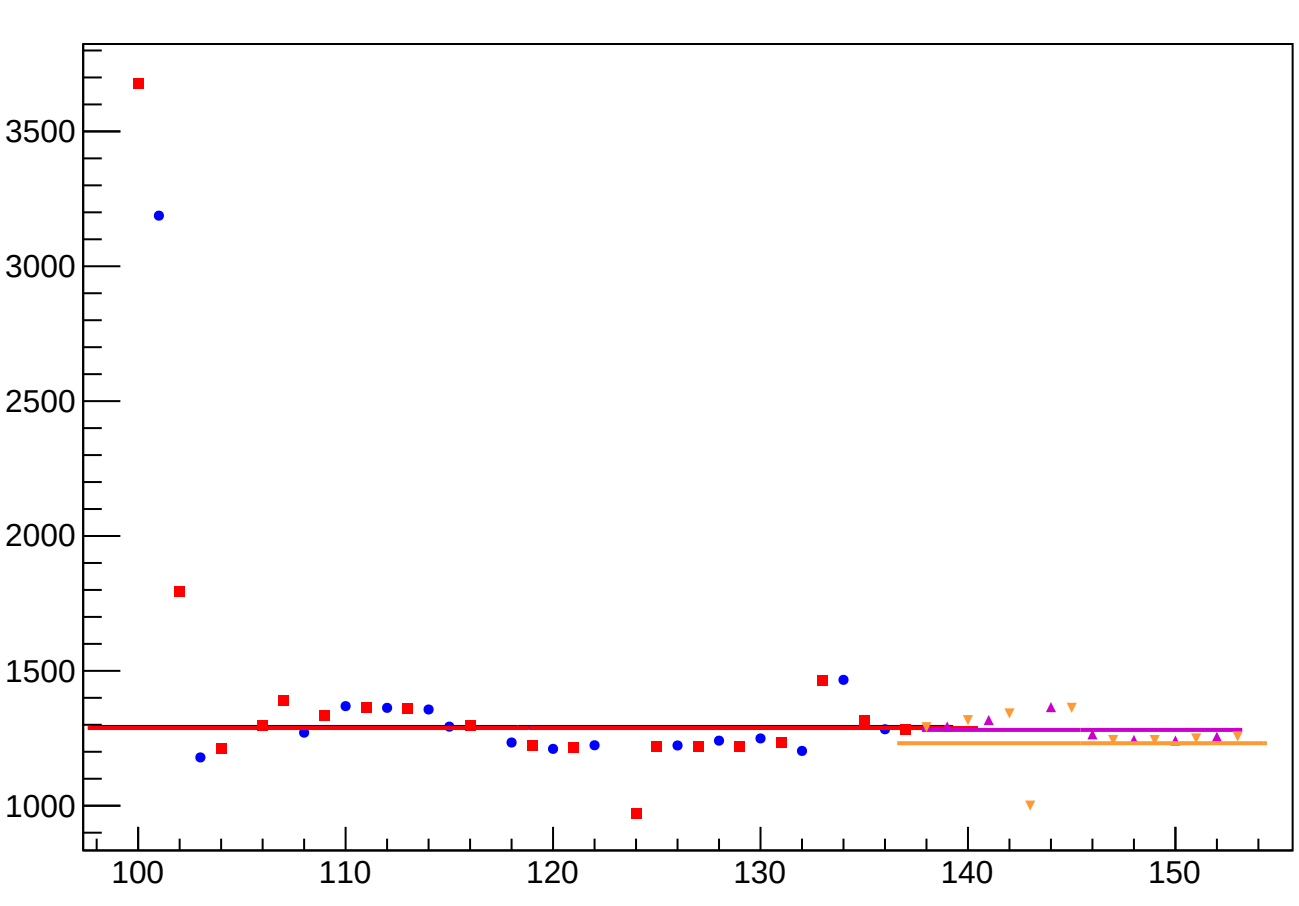
Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 328.719+/-0.071 χ^2/NDF:4643043.7/22

Out: 325.983+/-0.069 χ^2/NDF:6086010.0/27

All: 327.327+/-0.049 χ^2/NDF: 10729818.3/50


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
Right In: -771.499+/-489.602 χ²/NDF: 13.6/15
Left Out: 237.944+/-466.678 χ²/NDF:9.1/8
Right Out: -311.418+/-482.642 χ²/NDF: 17.9/18
Left In: -571.168+/-517.296 χ²/NDF:11.2/6
Left: -125.099+/-346.509 χ²/NDF: 21.7/15
Right: -538.165+/-343.714 χ²/NDF: 32.0/34
In: -676.839+/-355.589 χ²/NDF:24.9/22
Out: -27.501+/-335.493 χ²/NDF:27.7/27
All: -333.304+/-244.025 χ²/NDF: 54.4/50



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1231.774+/-0.330 χ^2/NDF:120068.6/8

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1281.030+/-0.366 χ^2/NDF:12720.2/6

Left: 1253.875+/-0.245 χ^2/NDF: 142785.7/15

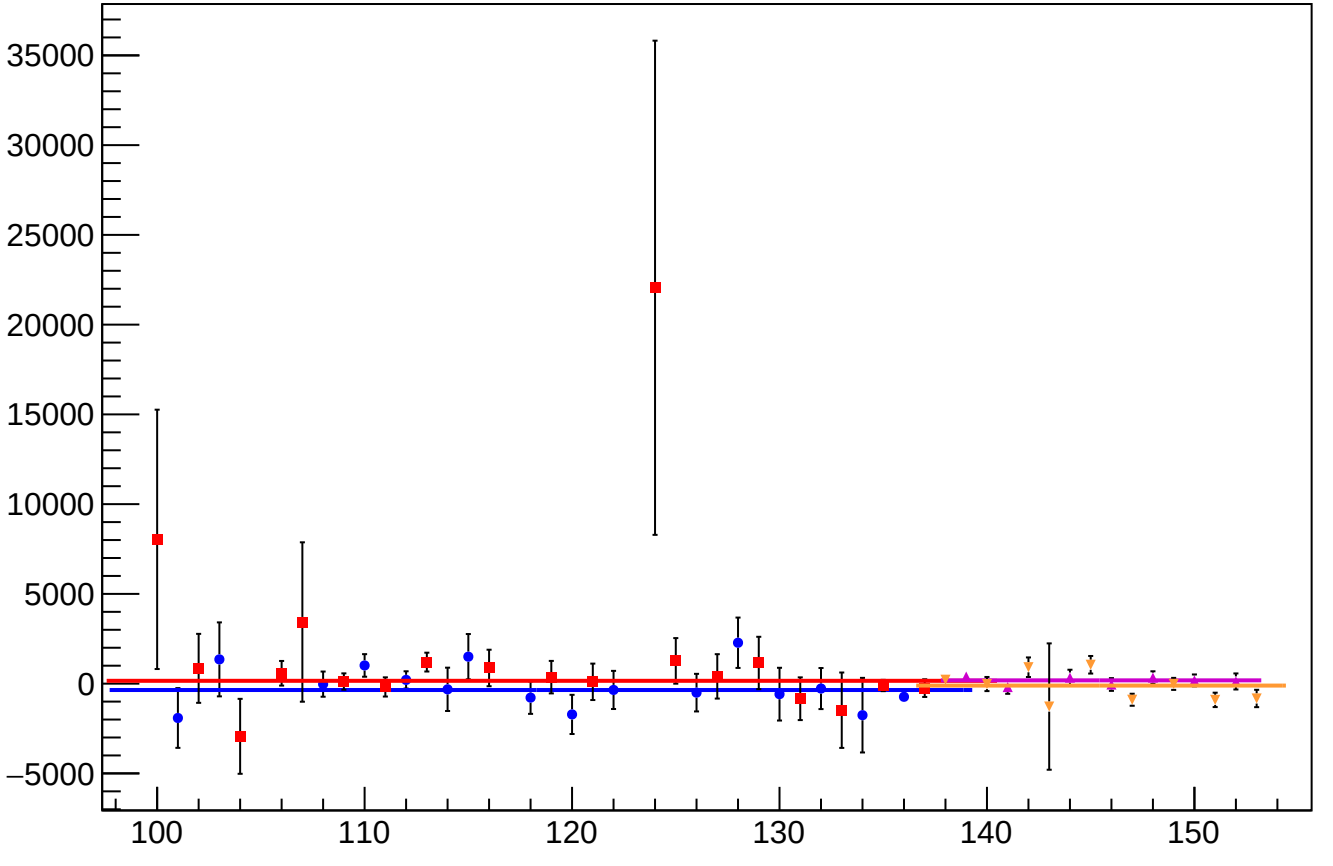
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1286.836+/-0.251 χ^2/NDF:522604.2/22

Out: 1258.936+/-0.237 χ^2/NDF:343299.3/27

All: 1272.076+/-0.173 χ^2/NDF: 872417.5/50

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: -107.641+/-129.911 χ^2/NDF:22.9/8

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 183.633+/-134.428 χ^2/NDF:2.3/6

Left: 33.021+/-93.417 χ^2/NDF: 27.6/15

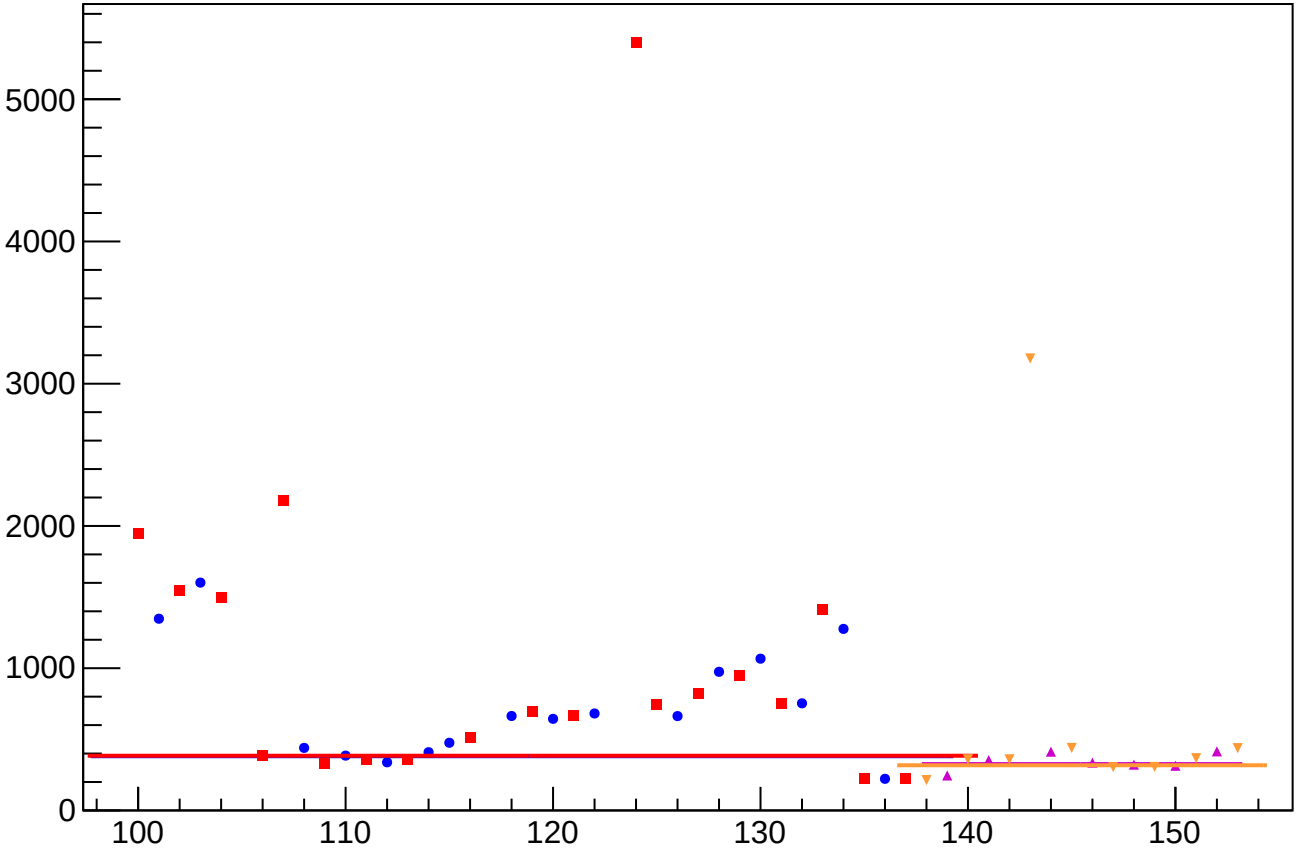
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: -23.723+/-105.437 χ^2/NDF:26.9/22

Out: -9.489+/-103.147 χ^2/NDF:40.2/27

All: -16.450+/-73.732 χ^2/NDF: 67.2/50

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: 317.738+/-0.092 χ^2/NDF:2004838.5/8

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 325.974+/-0.095 χ^2/NDF:341981.8/6

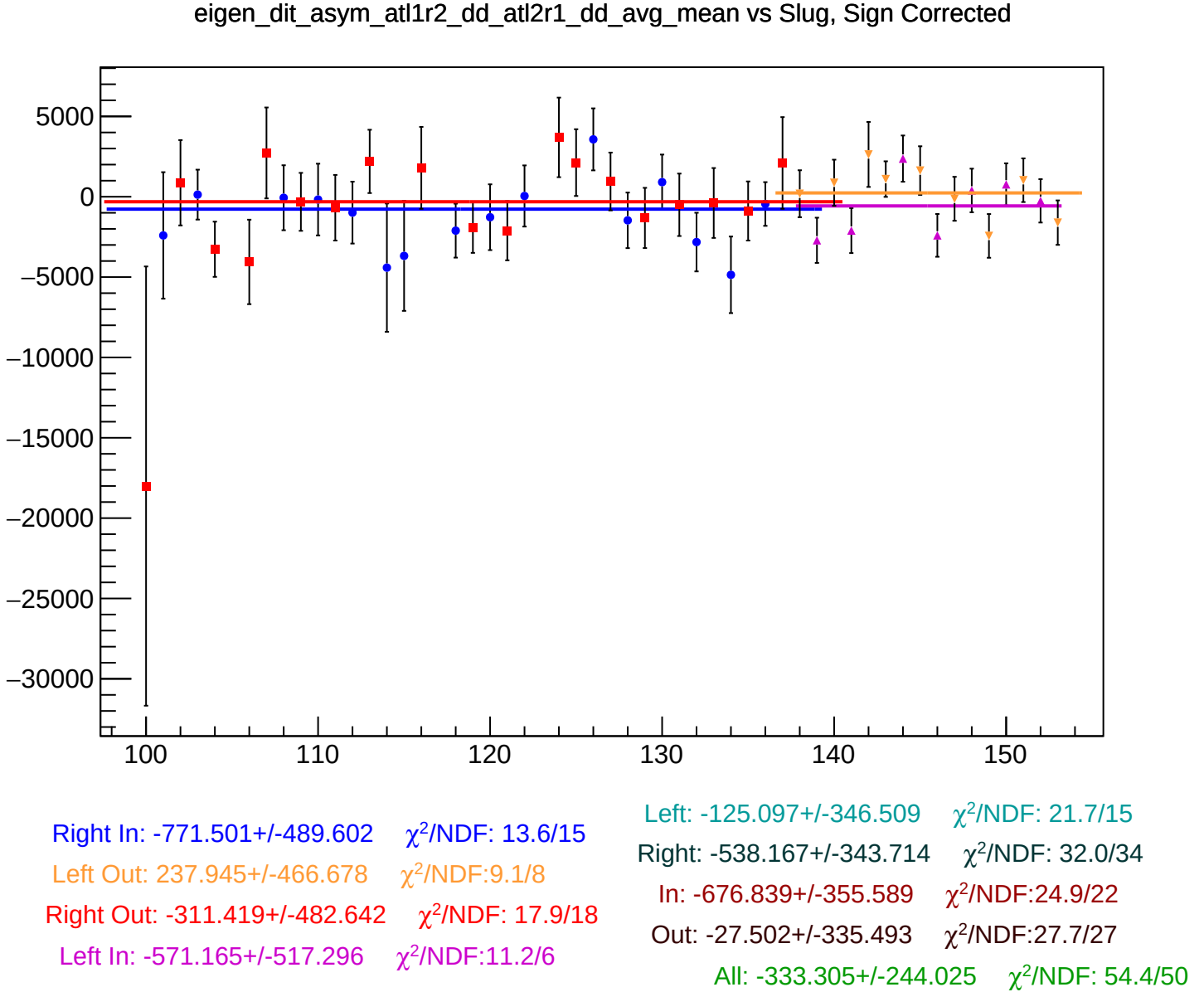
Left: 321.715+/-0.066 χ^2/NDF: 2350702.3/15

Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 347.283+/-0.075 χ^2/NDF:4790499.1/22

Out: 342.469+/-0.073 χ^2/NDF:6761149.9/27

All: 344.823+/-0.052 χ^2/NDF: 11553779.3/50


eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
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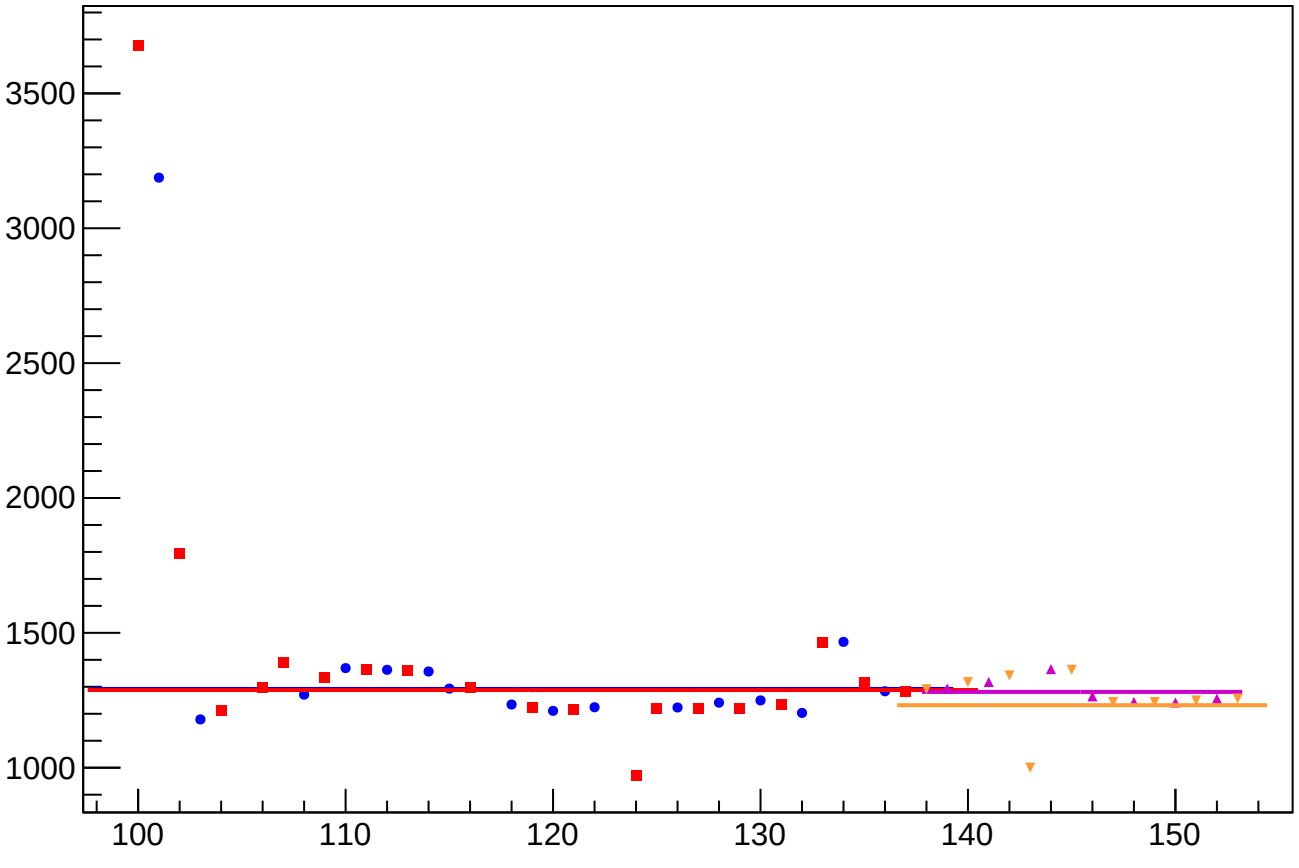
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
Right In: -771.501+/-489.602 χ²/NDF: 13.6/15
Left Out: 237.945+/-466.678 χ²/NDF:9.1/8
Right Out: -311.419+/-482.642 χ²/NDF: 17.9/18
Left In: -571.165+/-517.296 χ²/NDF:11.2/6
Left: -125.097+/-346.509 χ²/NDF: 21.7/15
Right: -538.167+/-343.714 χ²/NDF: 32.0/34
In: -676.839+/-355.589 χ²/NDF:24.9/22
Out: -27.502+/-335.493 χ²/NDF:27.7/27
All: -333.305+/-244.025 χ²/NDF: 54.4/50



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1231.774+/-0.330 χ^2/NDF:120067.9/8

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1281.030+/-0.366 χ^2/NDF:12720.3/6

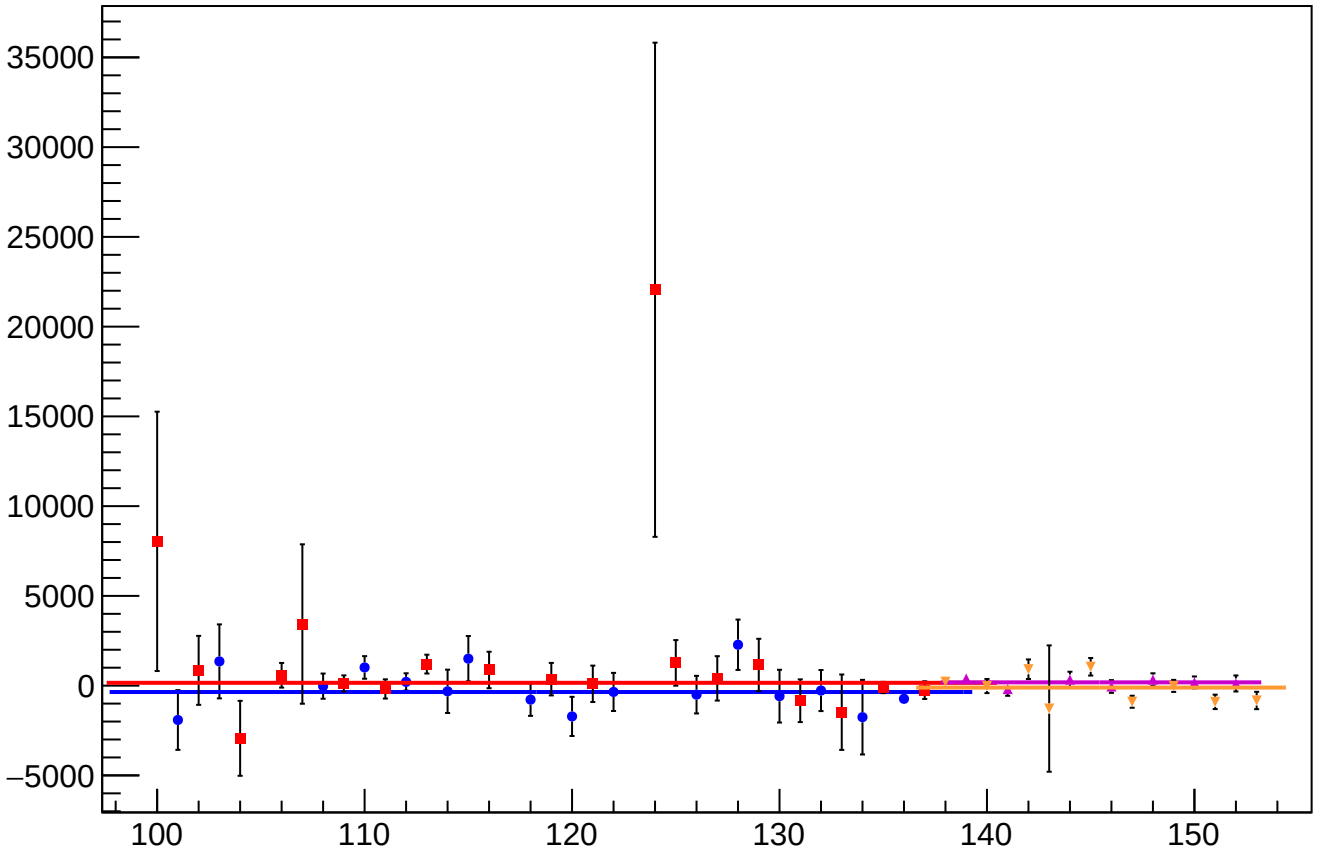
Left: 1253.875+/-0.245 χ^2/NDF: 142784.9/15

Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1286.836+/-0.251 χ^2/NDF:522604.2/22

Out: 1258.936+/-0.237 χ^2/NDF:343298.7/27

All: 1272.076+/-0.173 χ^2/NDF: 872416.9/50



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -107.652+/-129.914 χ^2/NDF:22.9/8

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 183.634+/-134.429 χ^2/NDF:2.3/6

Left: 33.017+/-93.418 χ^2/NDF: 27.6/15

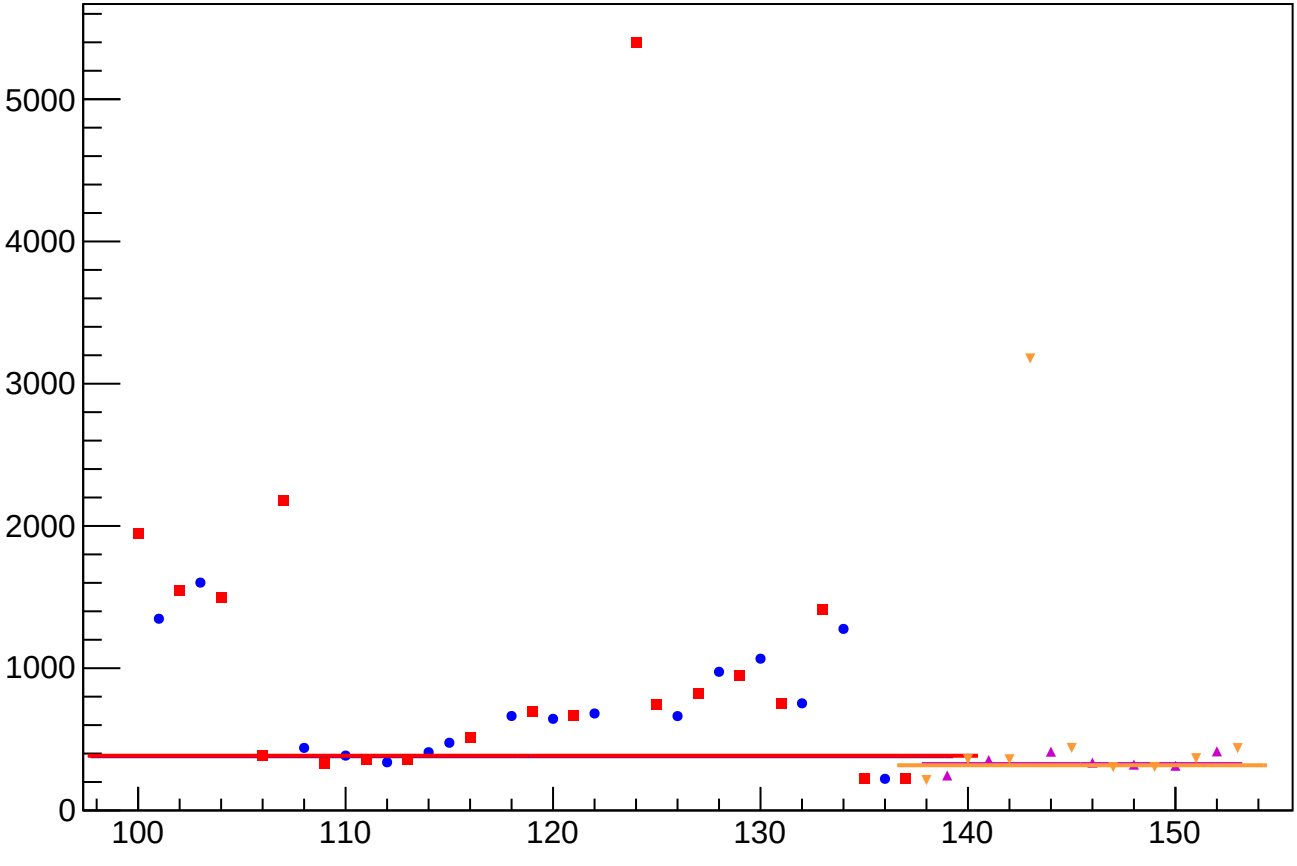
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: -23.721+/-105.439 χ^2/NDF:26.9/22

Out: -9.493+/-103.149 χ^2/NDF:40.2/27

All: -16.451+/-73.733 χ^2/NDF: 67.2/50

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: 317.745+/-0.092 χ^2/NDF:2004709.9/8

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 325.979+/-0.095 χ^2/NDF:341907.6/6

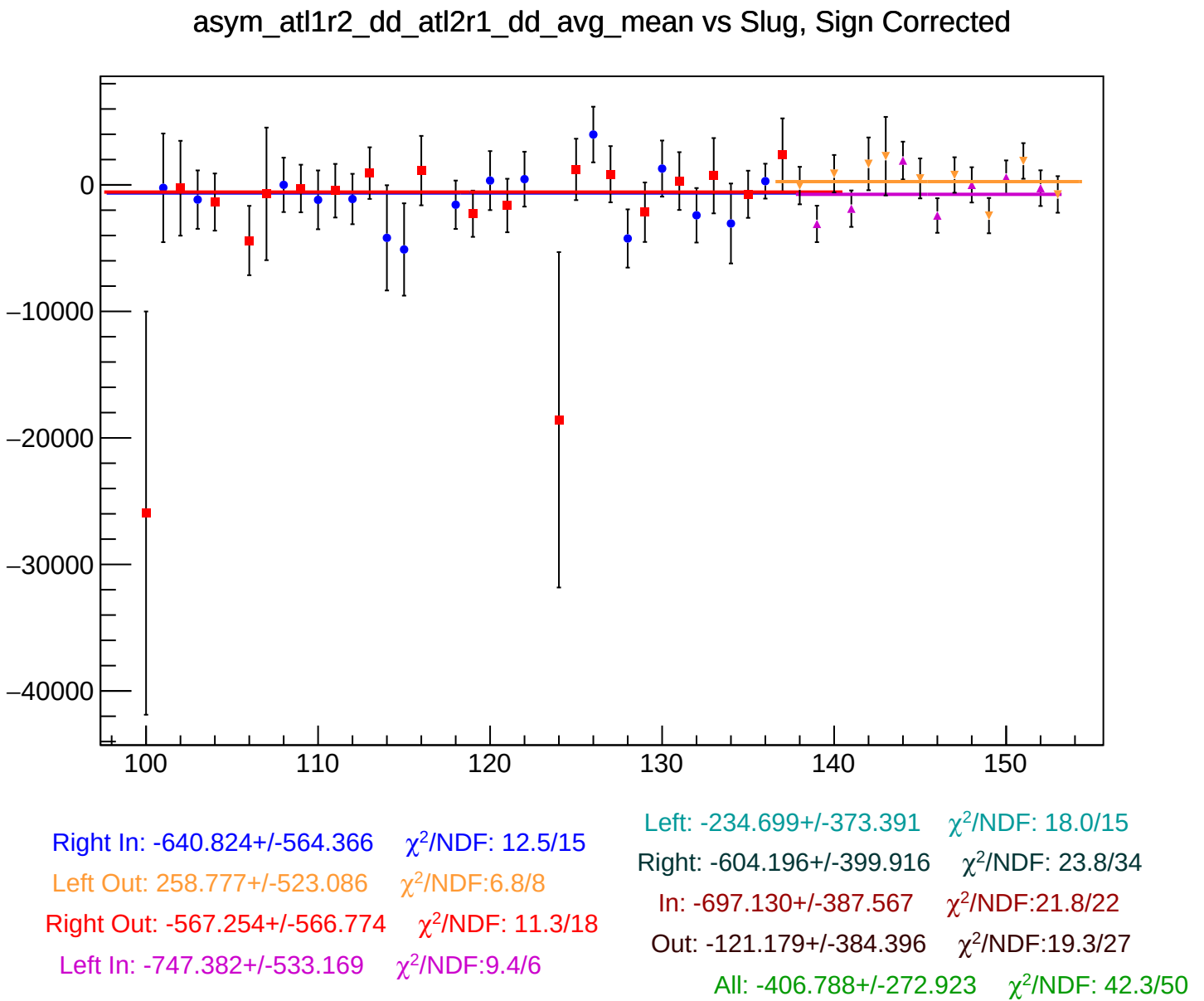
Left: 321.721+/-0.066 χ^2/NDF: 2350497.4/15

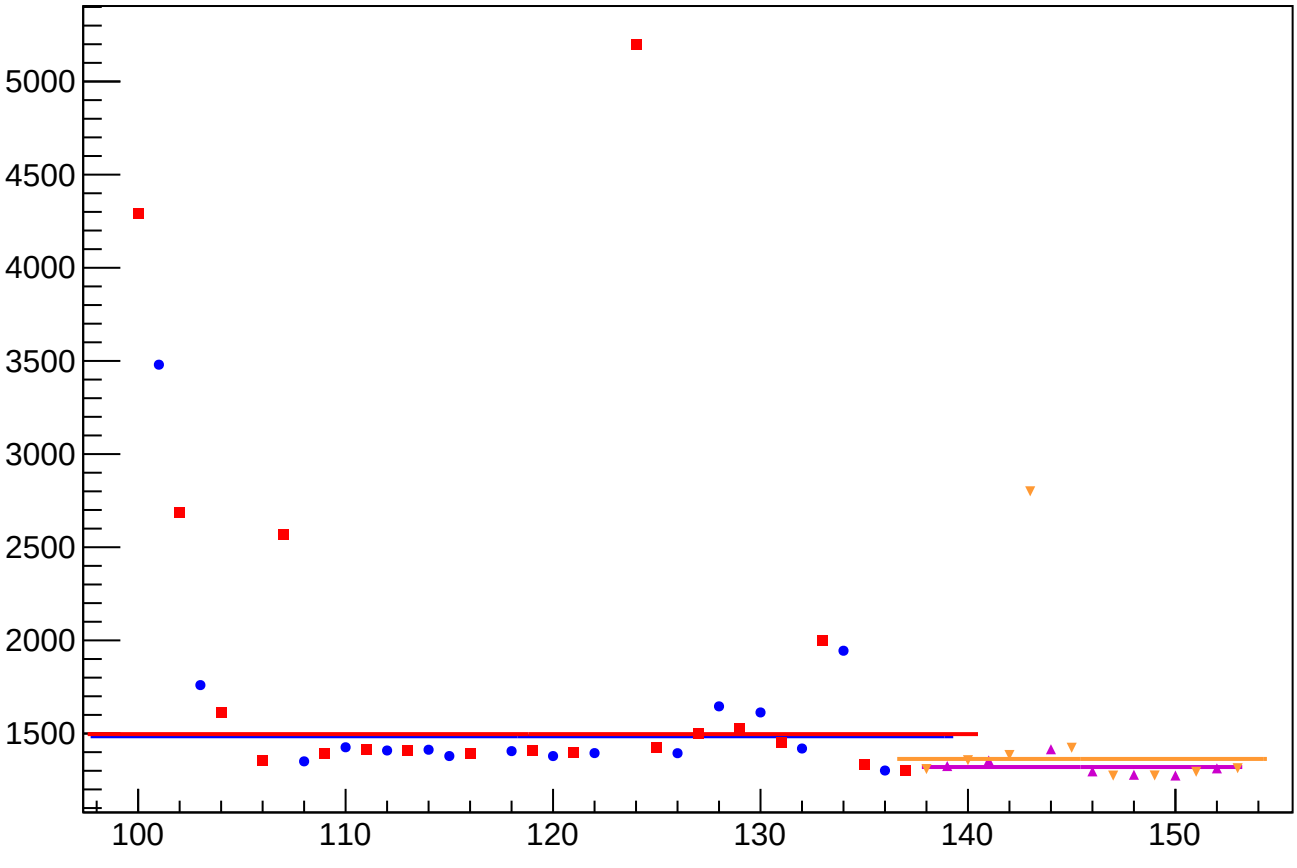
Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 347.289+/-0.075 χ^2/NDF:4790258.8/22

Out: 342.476+/-0.073 χ^2/NDF:6760879.2/27

All: 344.830+/-0.052 χ^2/NDF: 11553267.7/50


asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
Right In: -640.824+/-564.366 χ²/NDF: 12.5/15
Left Out: 258.777+/-523.086 χ²/NDF:6.8/8
Right Out: -567.254+/-566.774 χ²/NDF: 11.3/18
Left In: -747.382+/-533.169 χ²/NDF:9.4/6
Left: -234.699+/-373.391 χ²/NDF: 18.0/15
Right: -604.196+/-399.916 χ²/NDF: 23.8/34
In: -697.130+/-387.567 χ²/NDF:21.8/22
Out: -121.179+/-384.396 χ²/NDF:19.3/27
All: -406.788+/-272.923 χ²/NDF: 42.3/50



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1363.677+/-0.370 χ^2/NDF:457833.8/8

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1320.213+/-0.377 χ^2/NDF:14095.6/6

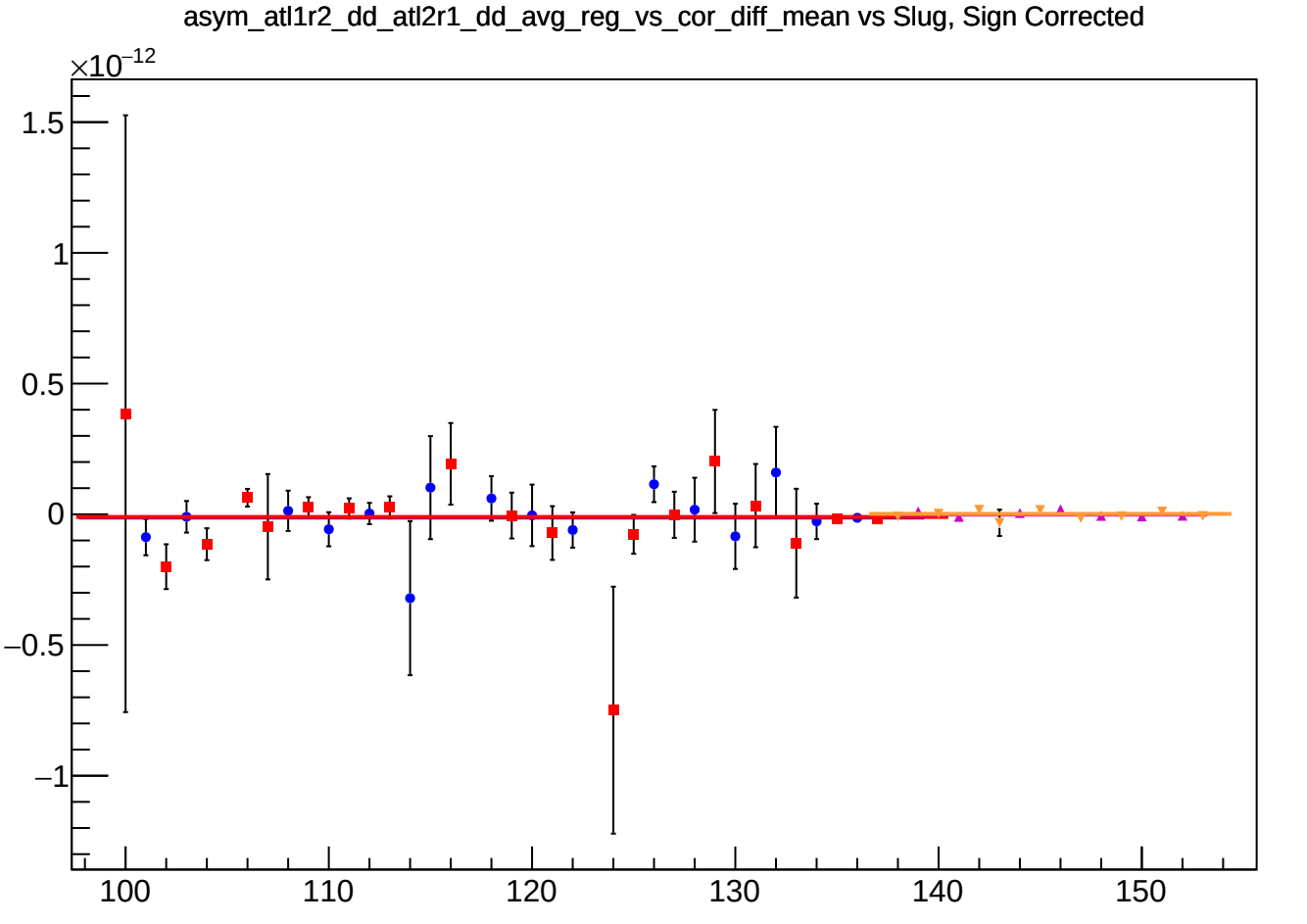
Left: 1342.360+/-0.264 χ^2/NDF: 478701.8/15

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1398.101+/-0.274 χ^2/NDF:689070.1/22

Out: 1424.941+/-0.272 χ^2/NDF:1140769.4/27

All: 1411.631+/-0.193 χ^2/NDF: 1834674.8/50



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.3/8

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:8.9/6

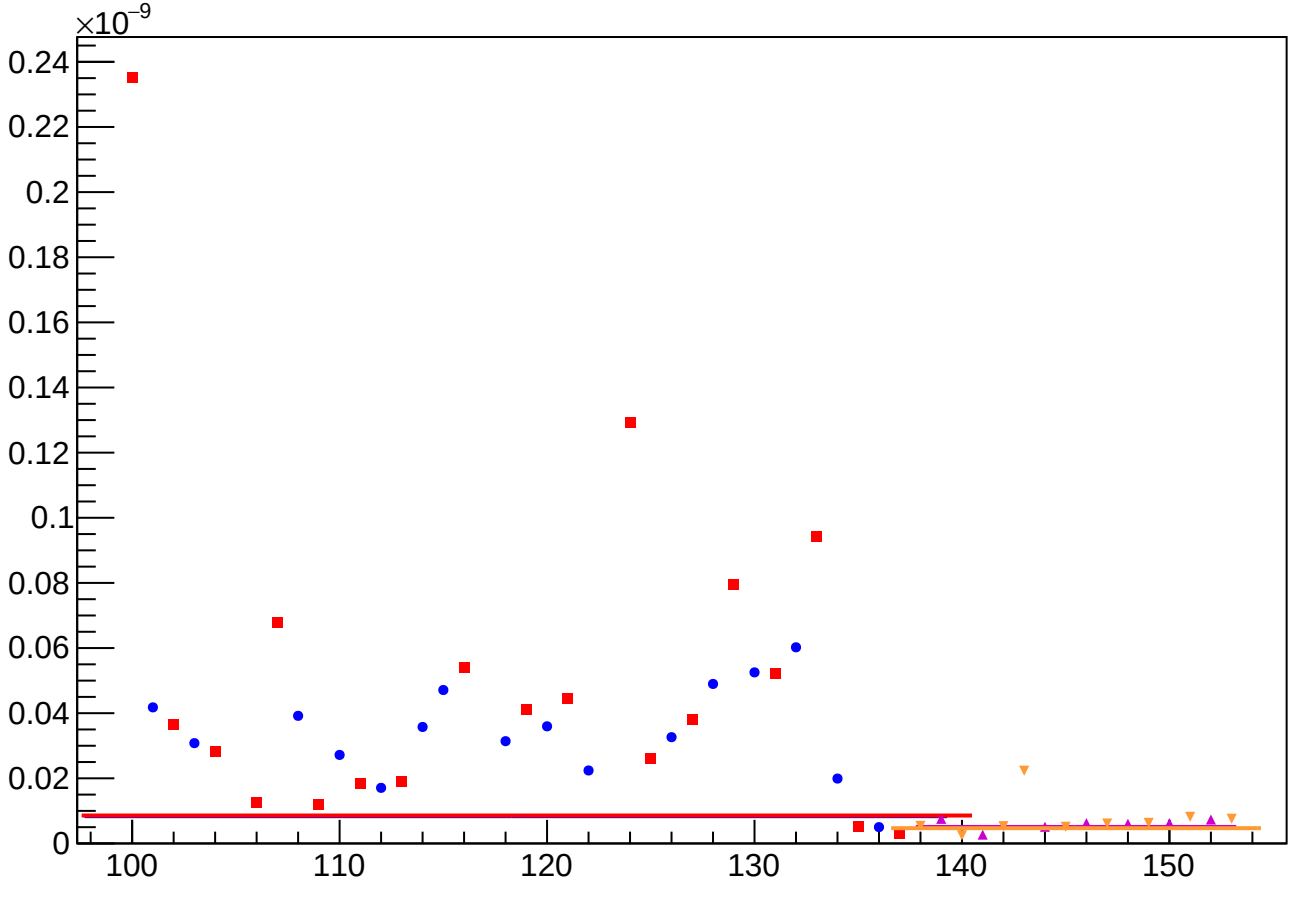
Left: 0.000+/-0.000 χ^2/NDF: 19.5/15

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:20.3/22

Out: 0.000+/-0.000 χ^2/NDF:34.4/27

All: -0.000+/-0.000 χ^2/NDF: 55.3/50



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1015122.0/8

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:566513.4/6

Left: 0.000+/-0.000 χ^2/NDF: 1594914.5/15

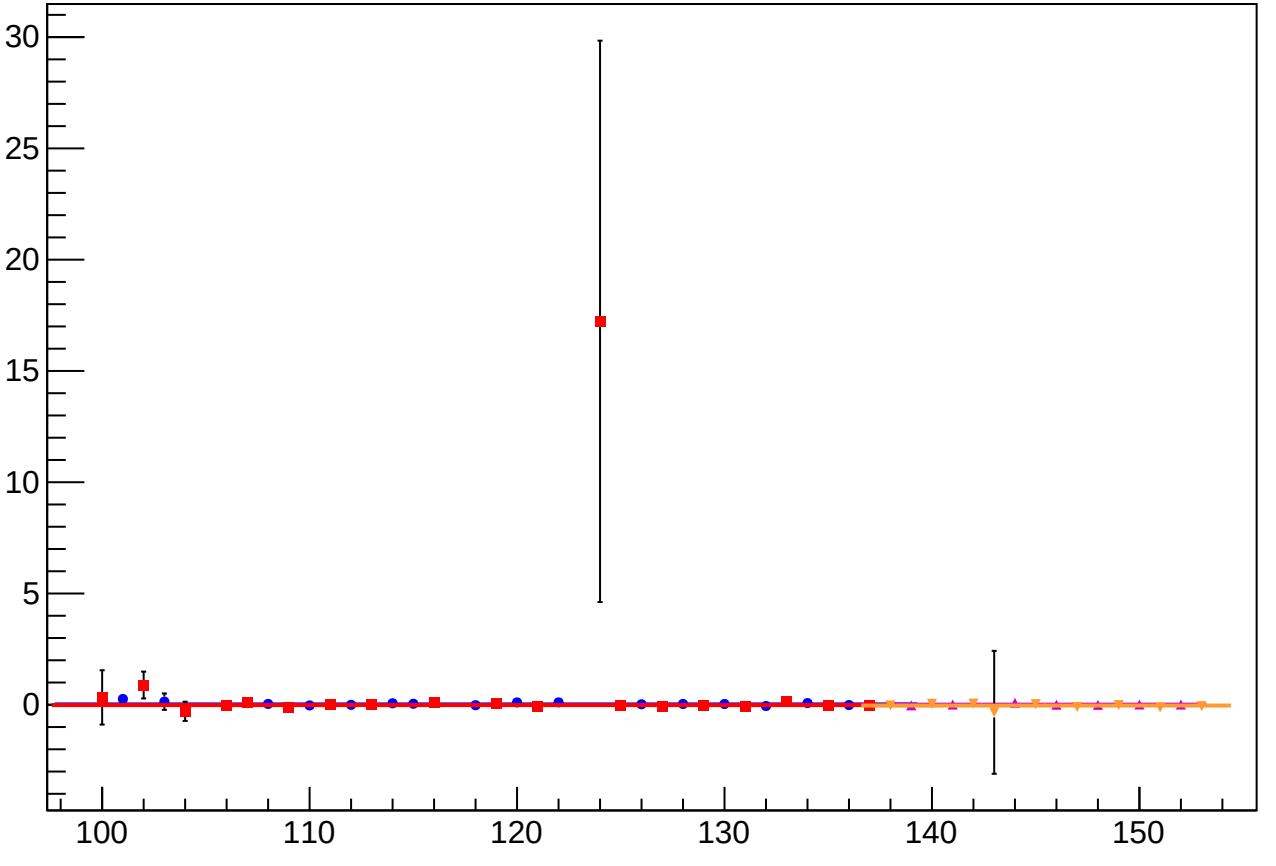
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:3956882.0/22

Out: 0.000+/-0.000 χ^2/NDF:4773298.0/27

All: 0.000+/-0.000 χ^2/NDF: 8751699.3/50

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: -0.034+/-0.014 χ^2/NDF:15.2/8

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.006+/-0.015 χ^2/NDF:3.6/6

Left: -0.015+/-0.010 χ^2/NDF: 22.7/15

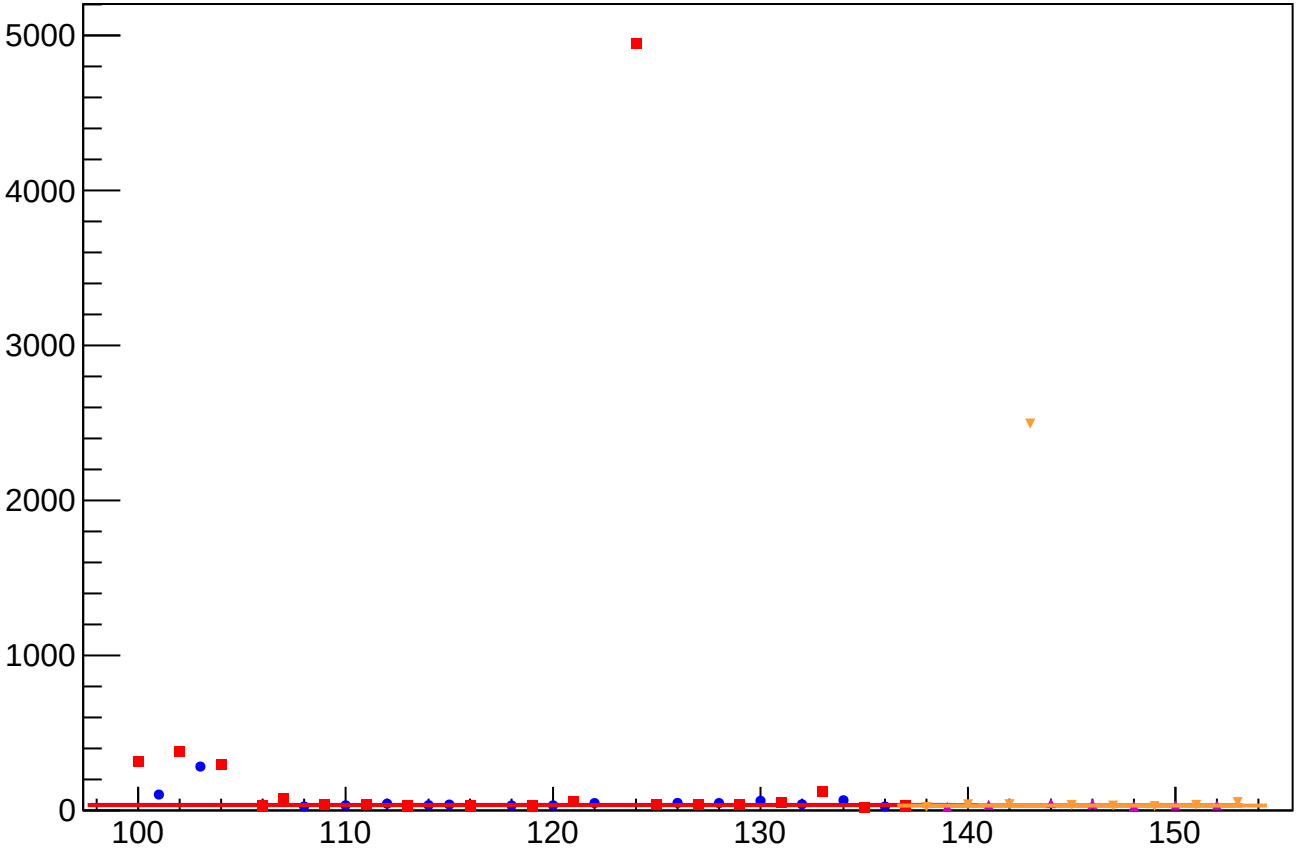
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.011 χ^2/NDF:15.3/22

Out: -0.025+/-0.010 χ^2/NDF:32.2/27

All: -0.007+/-0.007 χ^2/NDF: 53.3/50

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: 31.564+/-0.010 χ^2/NDF:2214818.7/8

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.493+/-0.010 χ^2/NDF:481357.8/6

Left: 32.010+/-0.007 χ^2/NDF: 2700423.9/15

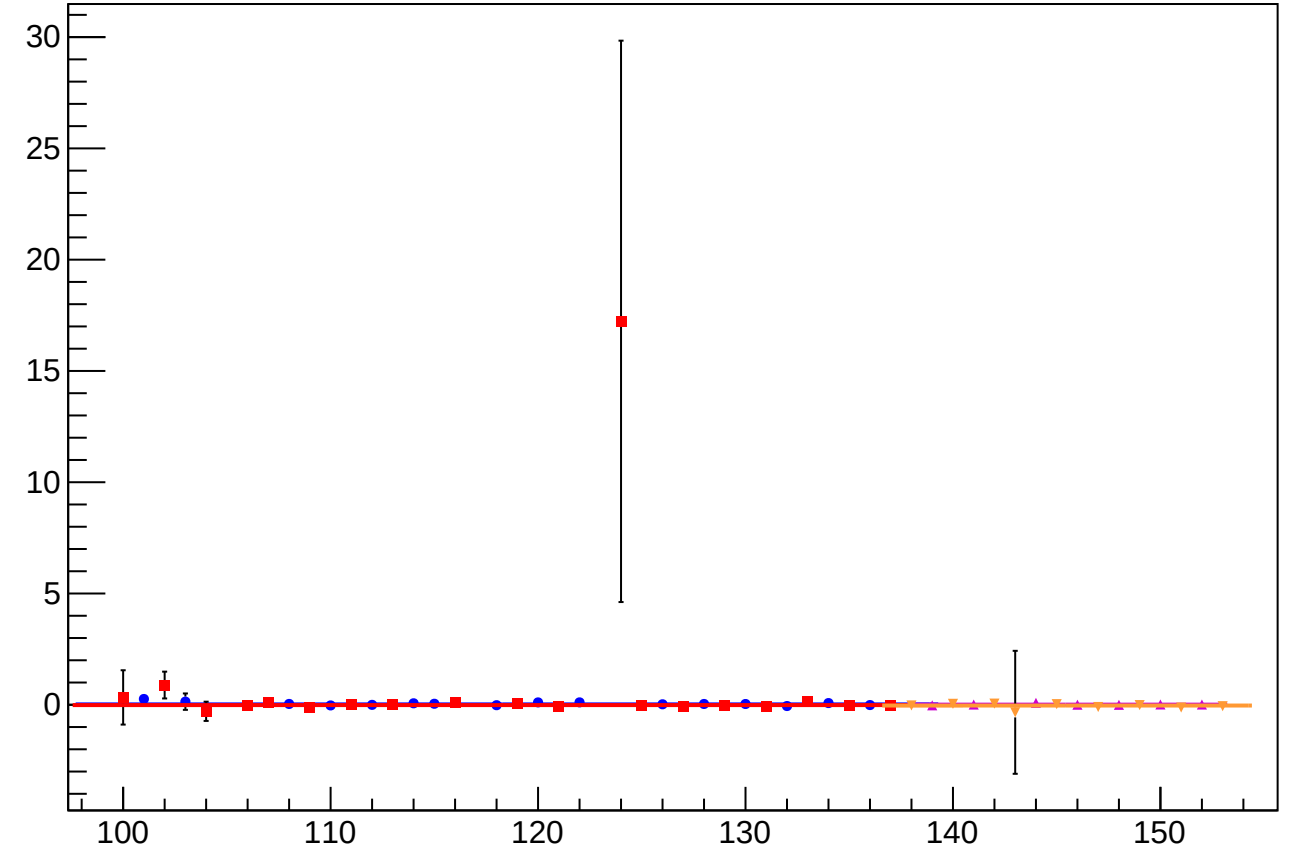
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.019+/-0.007 χ^2/NDF:2793052.1/22

Out: 33.001+/-0.007 χ^2/NDF:5176533.6/27

All: 33.502+/-0.005 χ^2/NDF: 7978979.2/50

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: -0.034+/-0.014 χ^2/NDF:15.2/8

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.006+/-0.015 χ^2/NDF:3.6/6

Left: -0.015+/-0.010 χ^2/NDF: 22.7/15

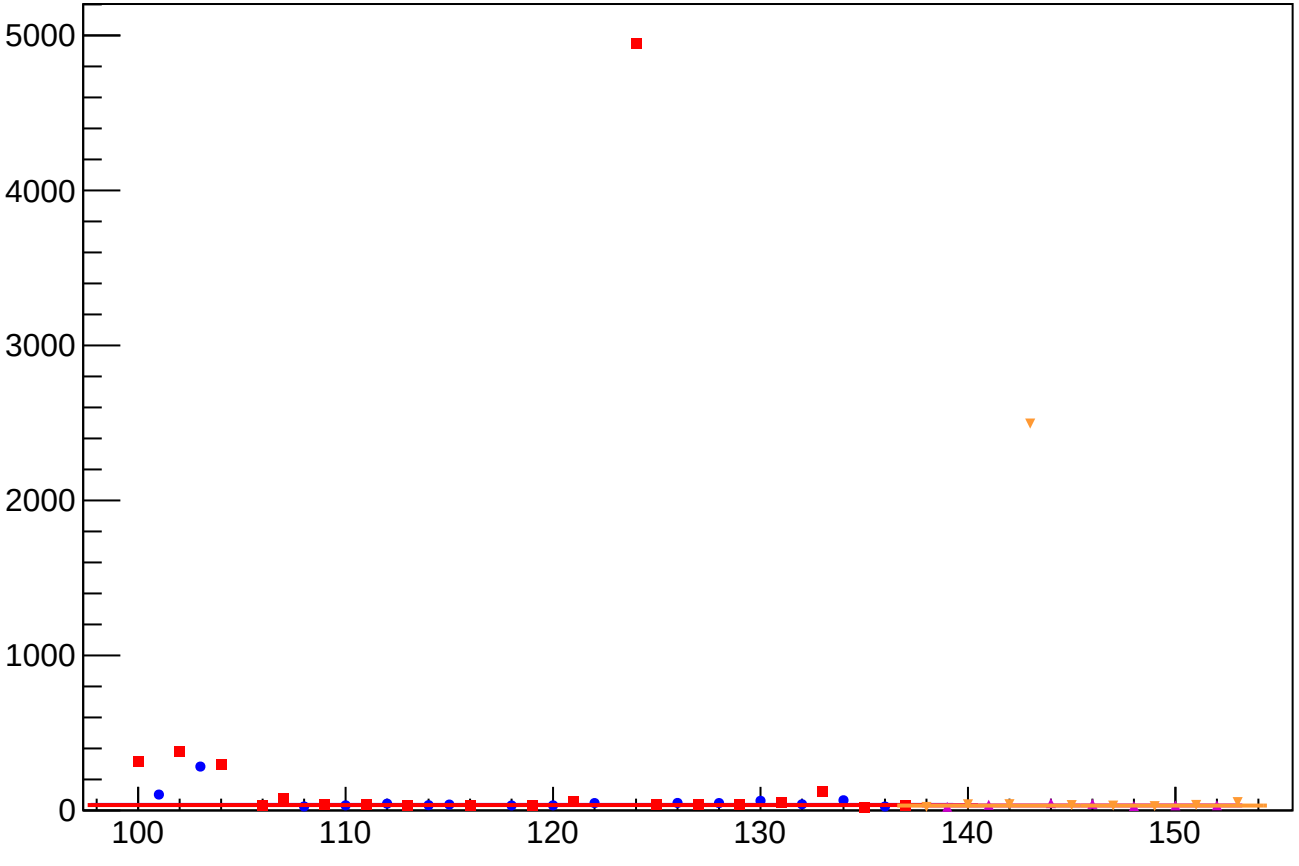
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.011 χ^2/NDF:15.3/22

Out: -0.025+/-0.010 χ^2/NDF:32.2/27

All: -0.007+/-0.007 χ^2/NDF: 53.3/50

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: 31.564+/-0.010 χ^2/NDF:2214818.7/8

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 32.493+/-0.010 χ^2/NDF:481357.8/6

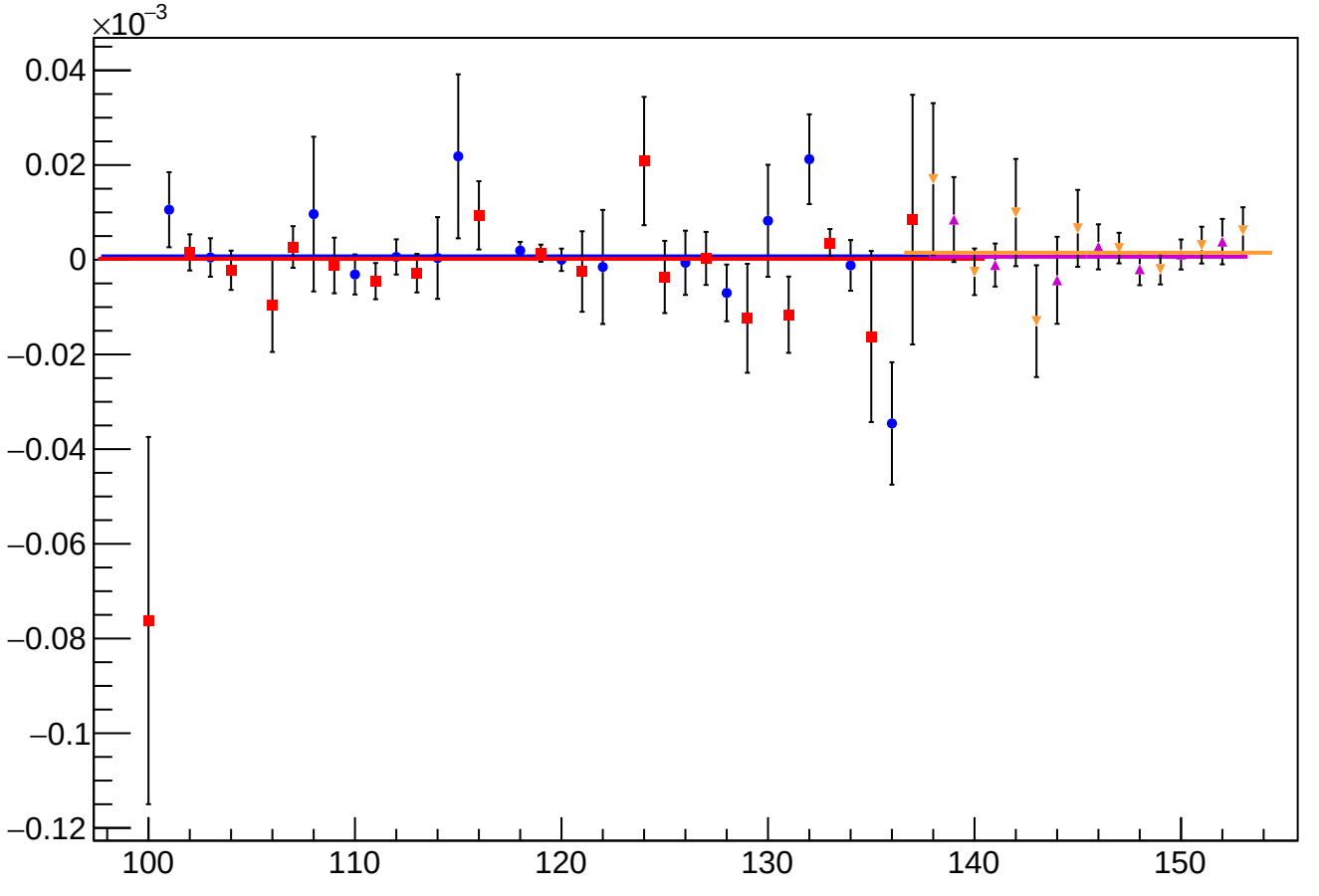
Left: 32.010+/-0.007 χ^2/NDF: 2700423.9/15

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 34.019+/-0.007 χ^2/NDF:2793052.1/22

Out: 33.001+/-0.007 χ^2/NDF:5176533.6/27

All: 33.502+/-0.005 χ^2/NDF: 7978979.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.4/8

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2.5/6

Left: 0.000+/-0.000 χ^2/NDF: 9.0/15

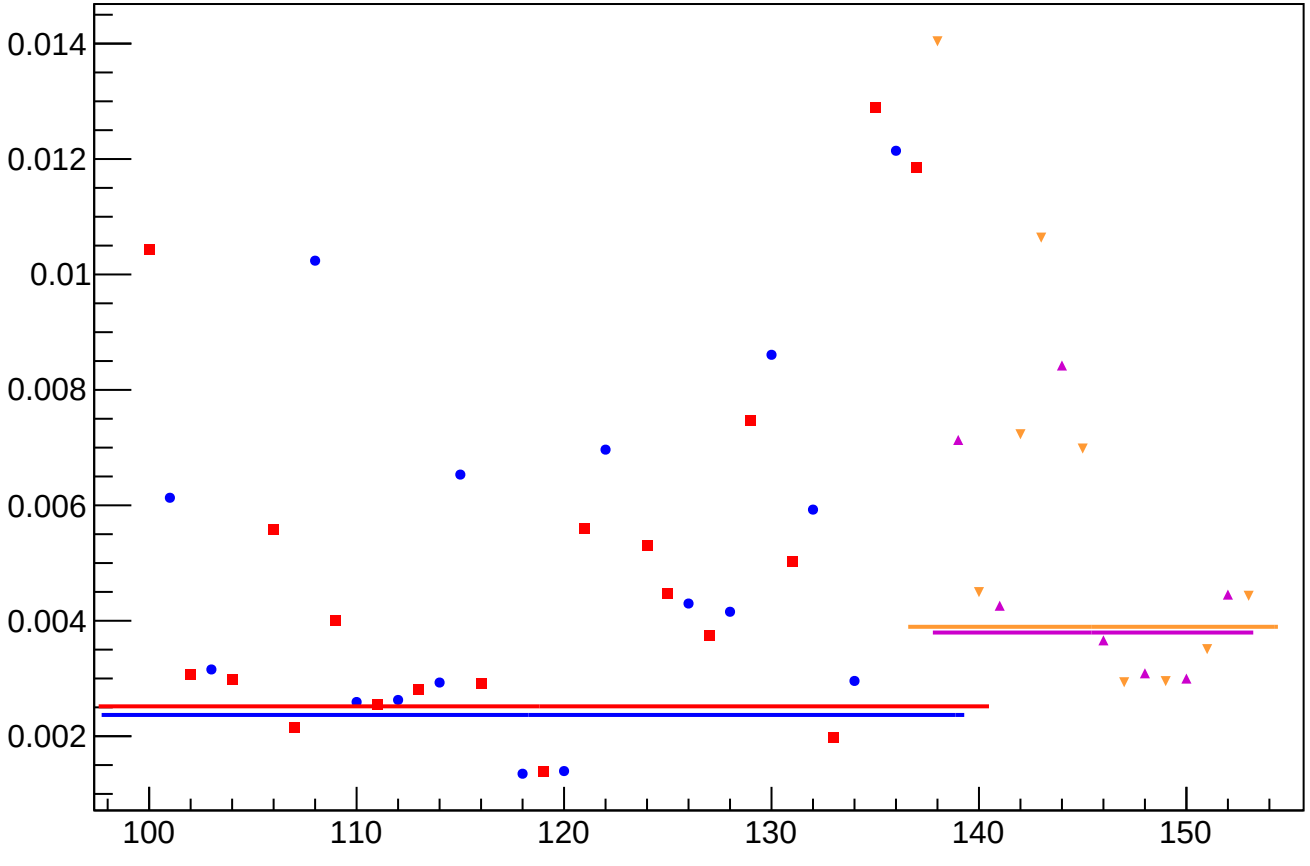
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:21.6/22

Out: 0.000+/-0.000 χ^2/NDF:24.9/27

All: 0.000+/-0.000 χ^2/NDF: 46.5/50

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2335705.8/8

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.004+/-0.000 χ^2/NDF:1057970.7/6

Left: 0.004+/-0.000 χ^2/NDF: 3397252.6/15

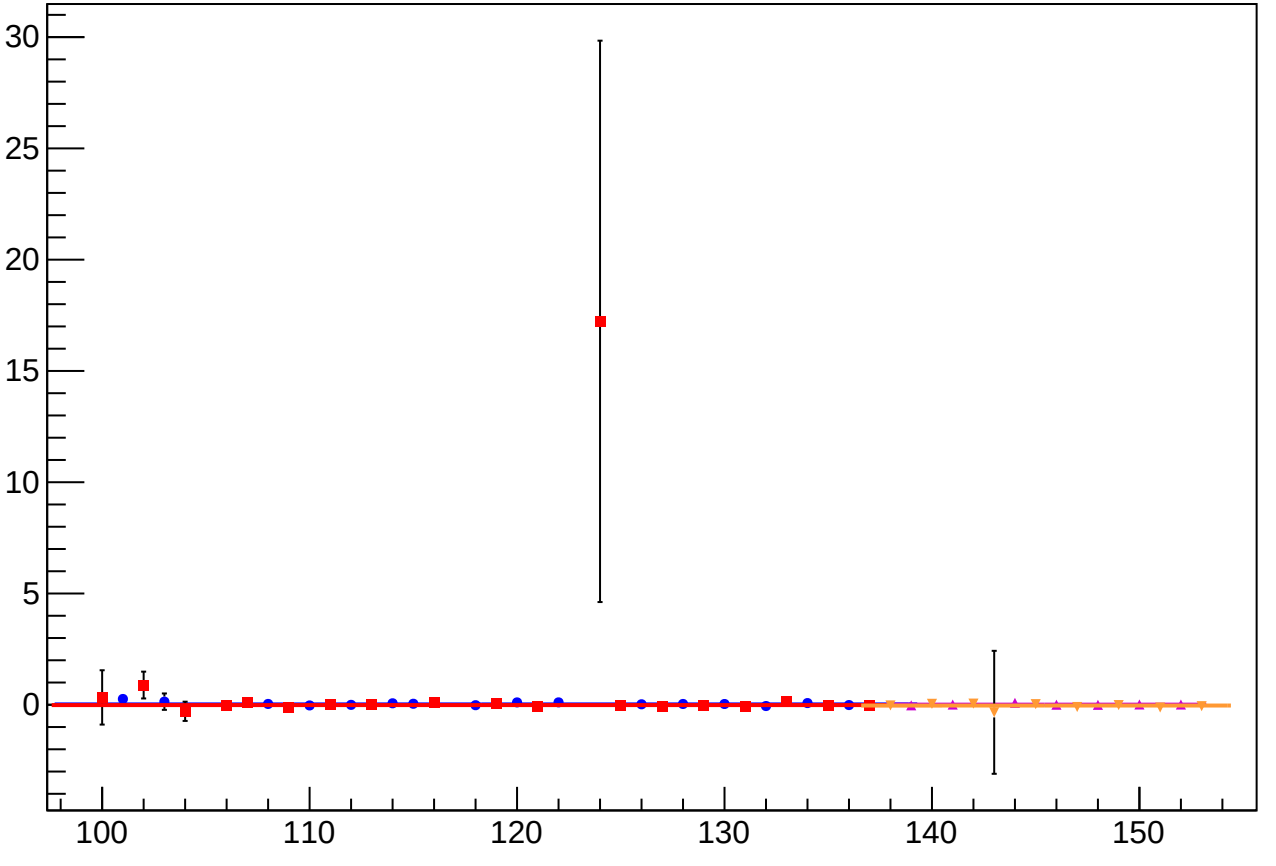
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:6774062.3/22

Out: 0.003+/-0.000 χ^2/NDF:6733200.0/27

All: 0.003+/-0.000 χ^2/NDF: 13528920.9/50

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: -0.034+/-0.014 χ^2/NDF:15.2/8

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.006+/-0.015 χ^2/NDF:3.6/6

Left: -0.015+/-0.010 χ^2/NDF: 22.7/15

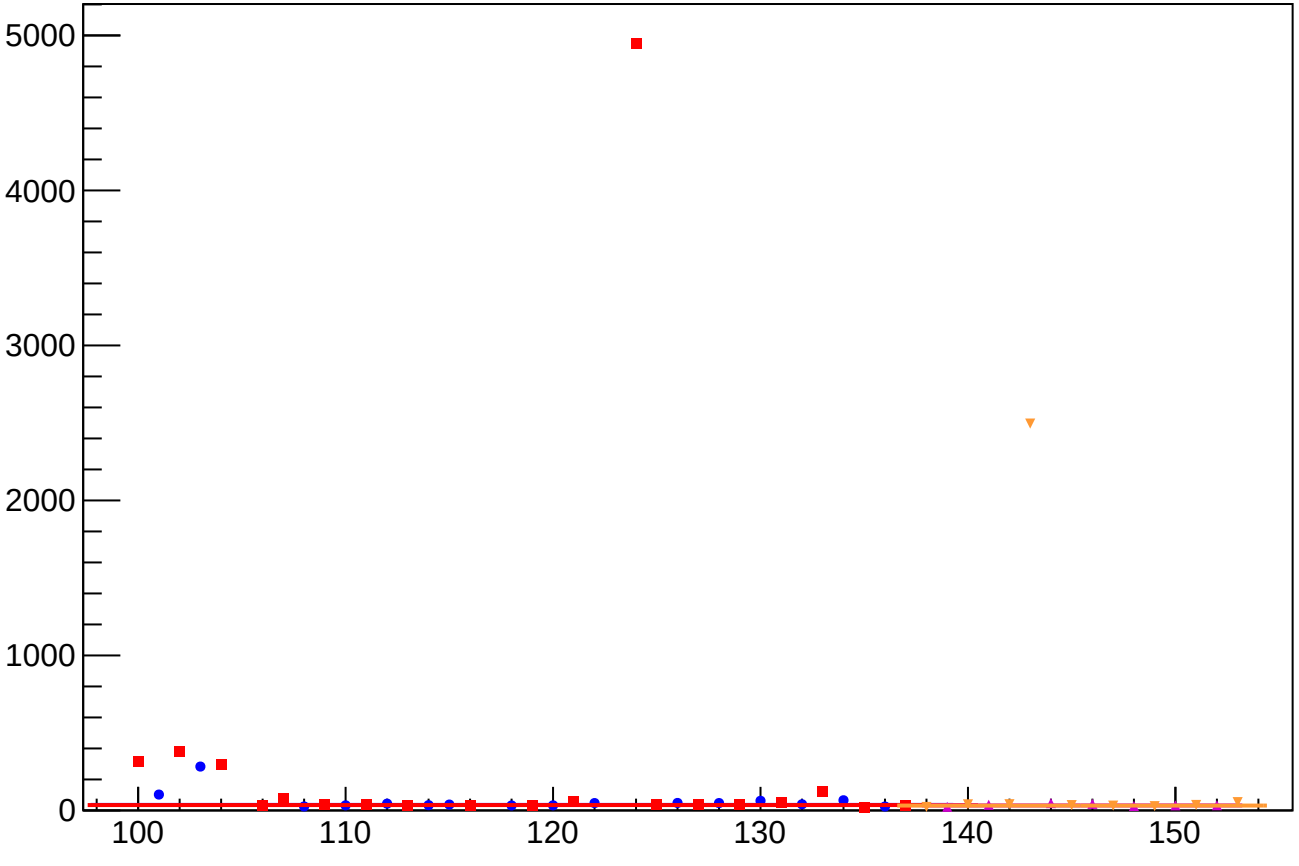
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.011 χ^2/NDF:15.3/22

Out: -0.025+/-0.010 χ^2/NDF:32.2/27

All: -0.007+/-0.007 χ^2/NDF: 53.3/50

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: 31.563+/-0.010 χ^2/NDF:2215074.9/8

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.491+/-0.010 χ^2/NDF:481691.3/6

Left: 32.009+/-0.007 χ^2/NDF: 2700995.7/15

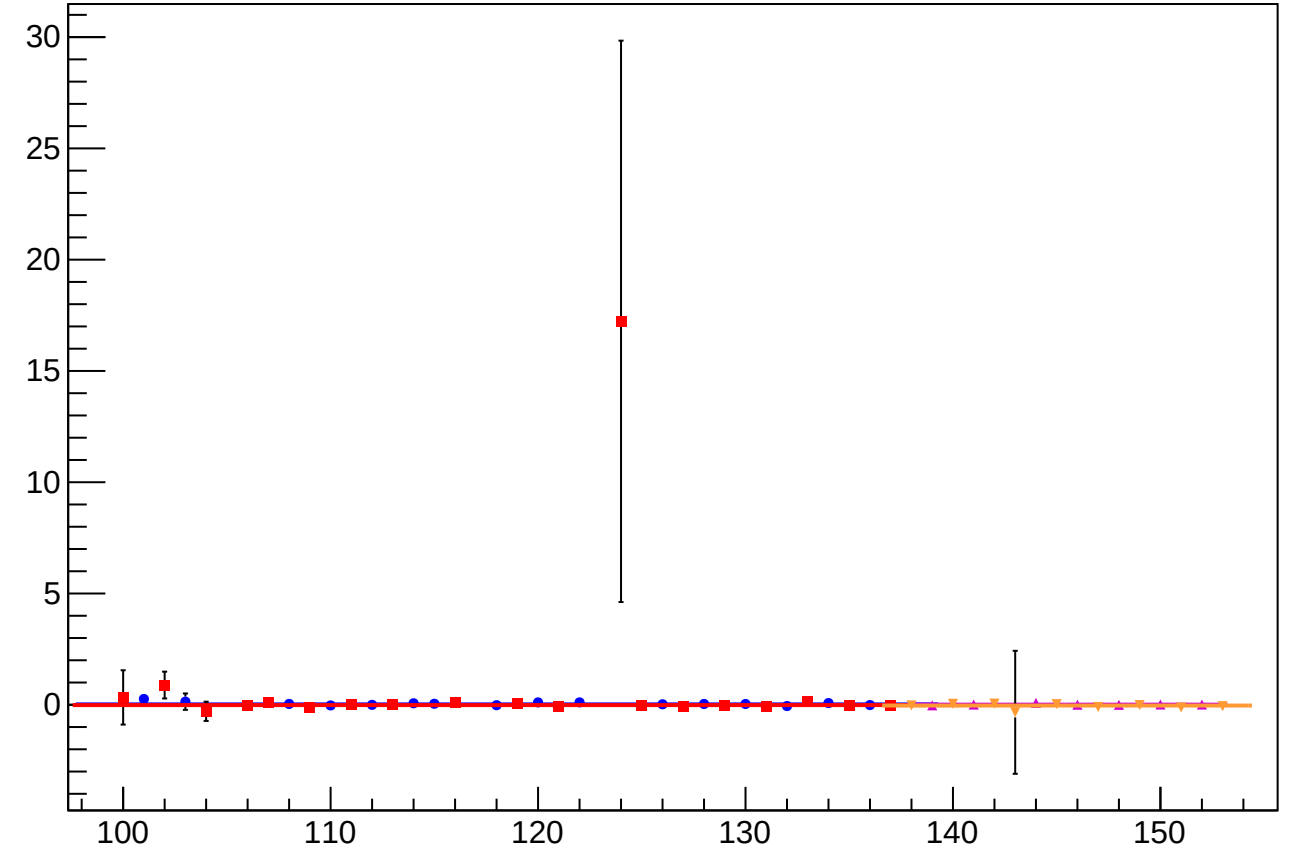
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 34.019+/-0.007 χ^2/NDF:2793215.3/22

Out: 33.002+/-0.007 χ^2/NDF:5176646.5/27

All: 33.502+/-0.005 χ^2/NDF: 7979239.8/50

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: -0.034+/-0.014 χ^2/NDF:15.2/8

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.006+/-0.015 χ^2/NDF:3.6/6

Left: -0.015+/-0.010 χ^2/NDF: 22.7/15

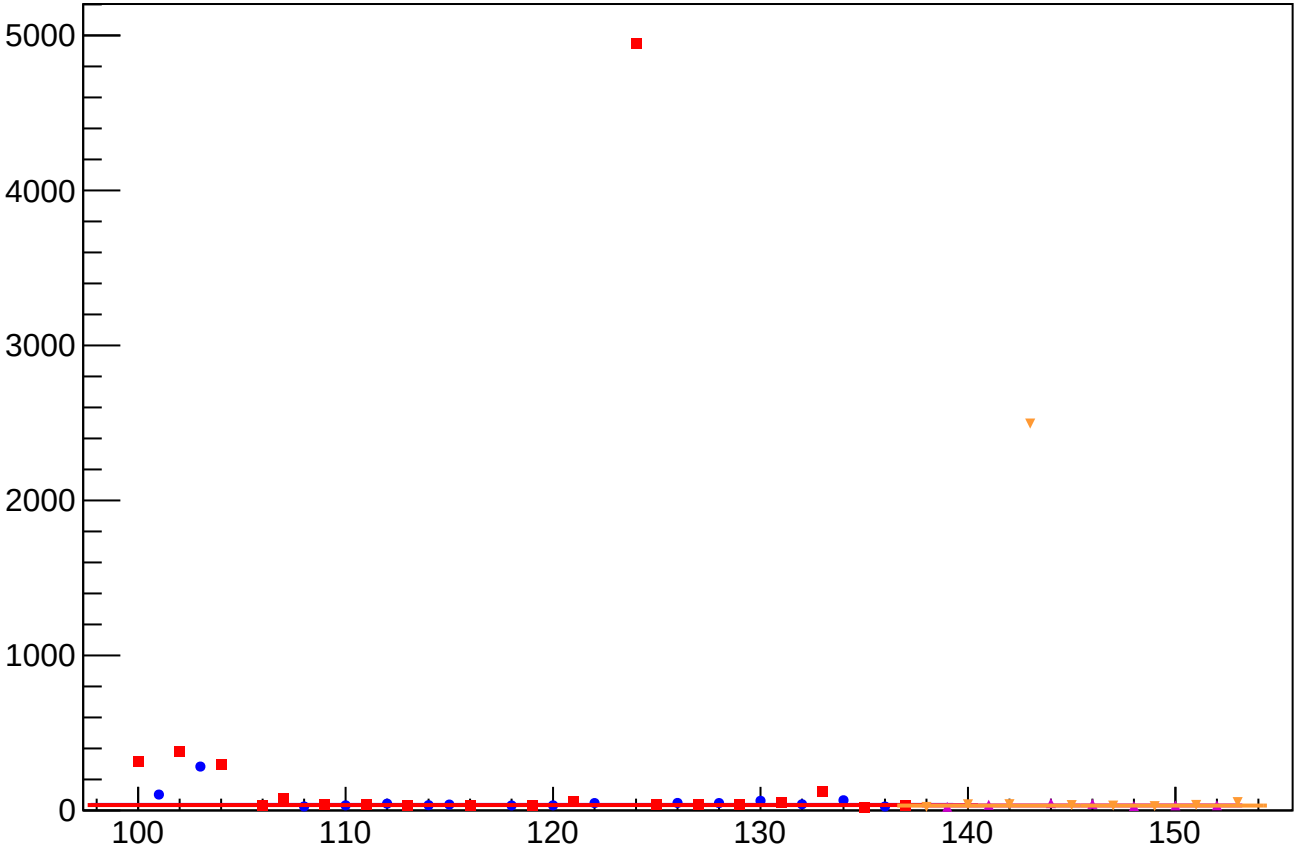
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.011+/-0.011 χ^2/NDF:15.3/22

Out: -0.025+/-0.010 χ^2/NDF:32.2/27

All: -0.007+/-0.007 χ^2/NDF: 53.3/50

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: 31.563+/-0.010 χ^2/NDF:2215074.9/8

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 32.491+/-0.010 χ^2/NDF:481691.3/6

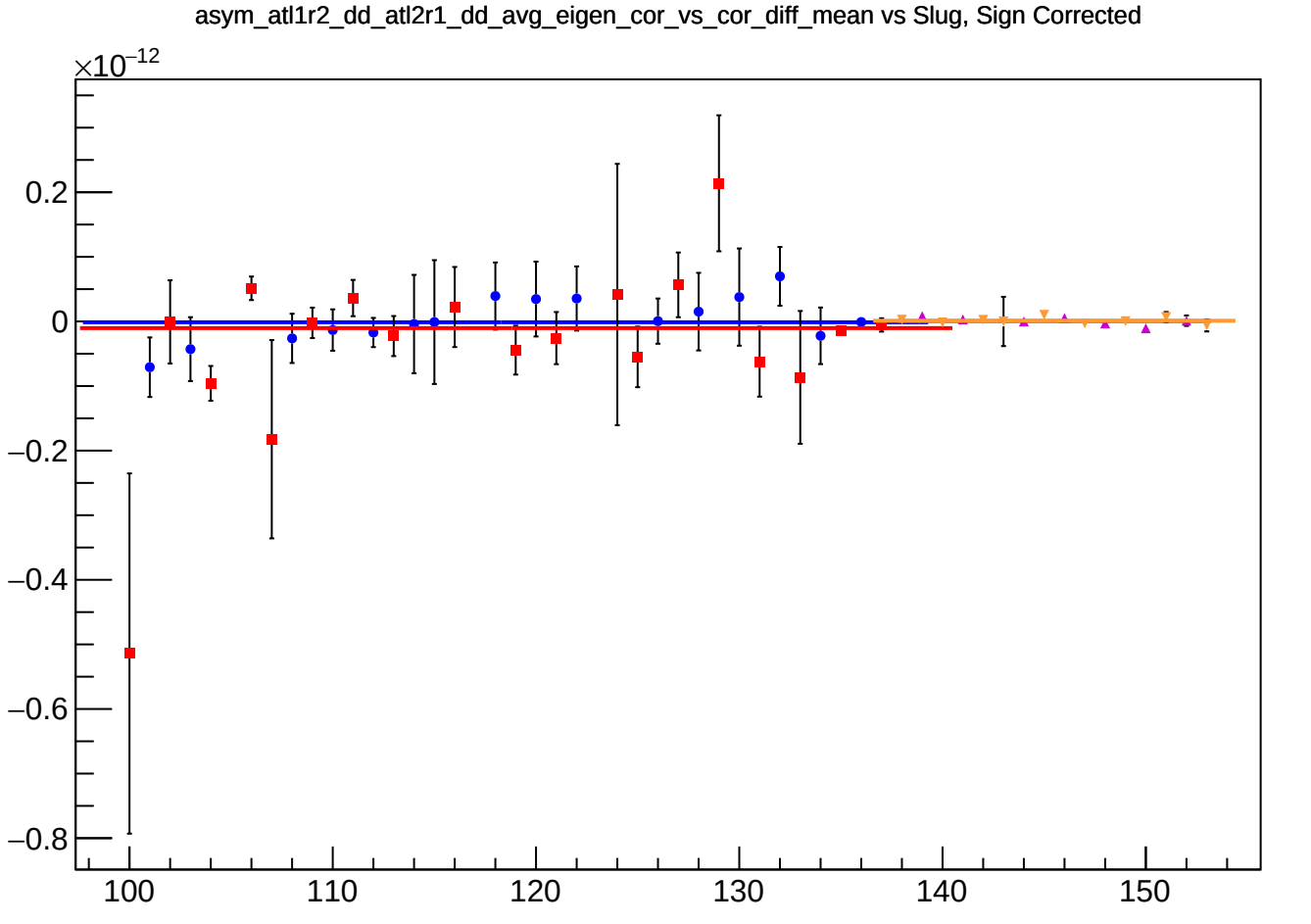
Left: 32.009+/-0.007 χ^2/NDF: 2700995.7/15

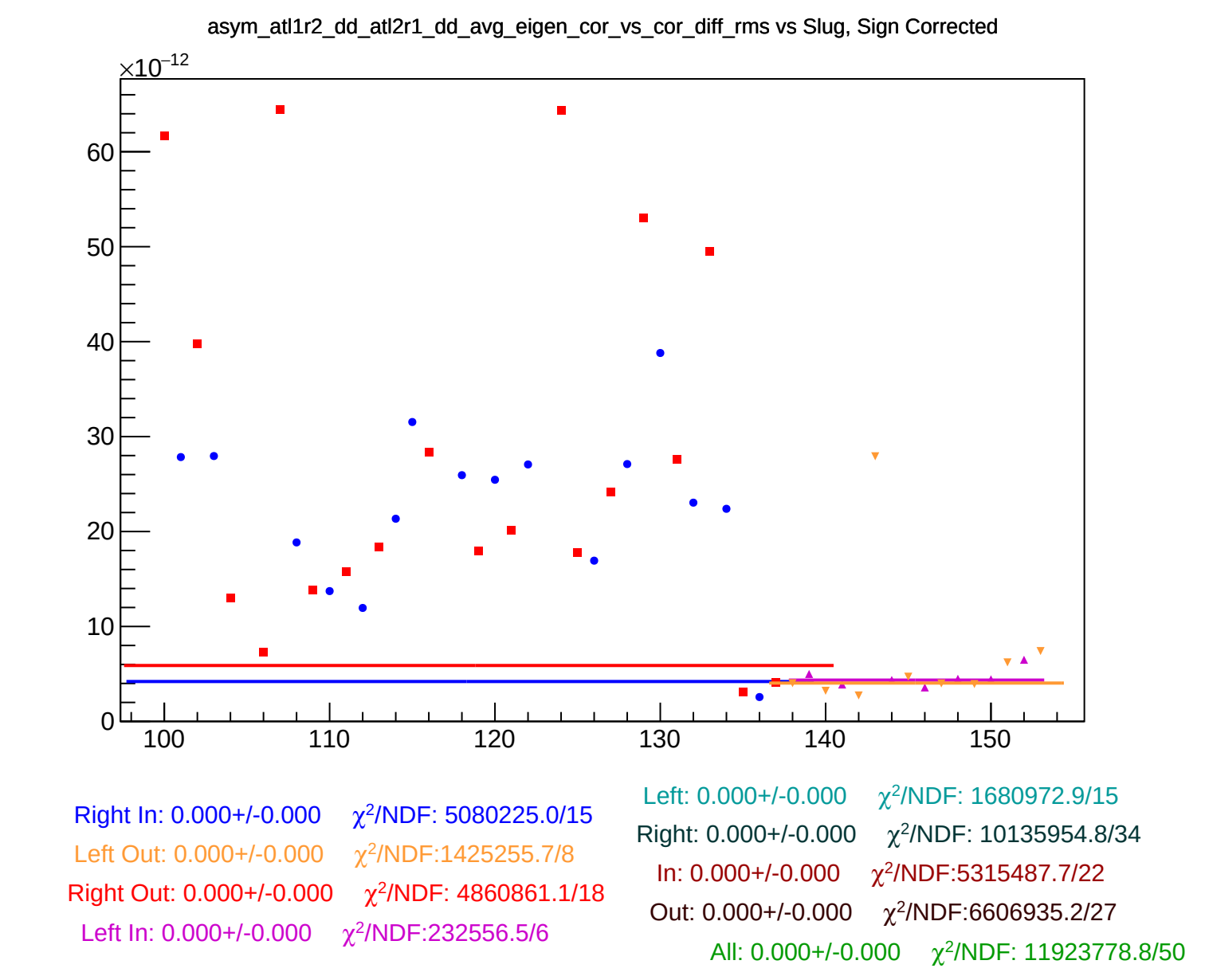
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

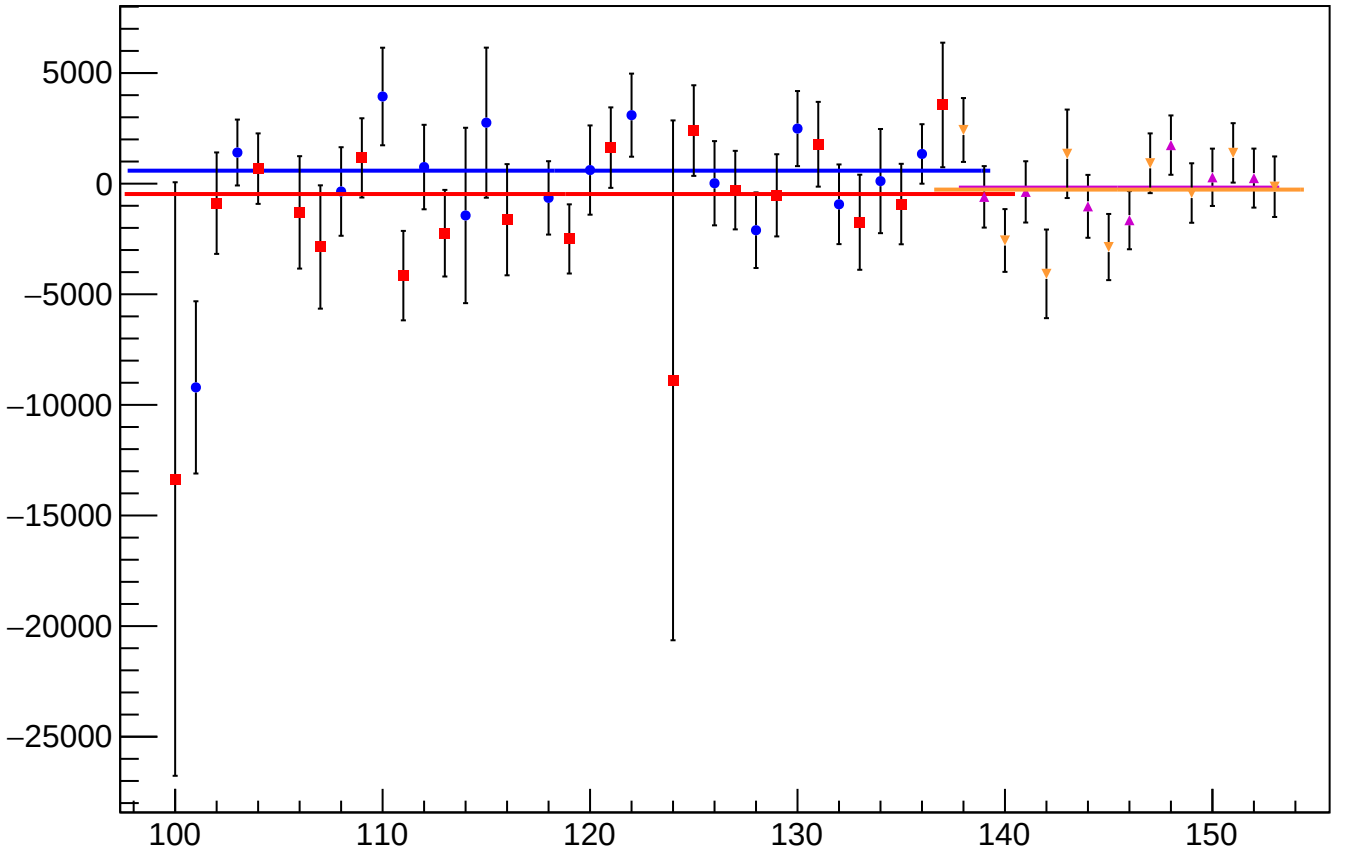
In: 34.019+/-0.007 χ^2/NDF:2793215.3/22

Out: 33.002+/-0.007 χ^2/NDF:5176646.5/27

All: 33.502+/-0.005 χ^2/NDF: 7979239.8/50


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10−12
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ2/NDF: 8.6/15
Left Out: 0.000+/-0.000 χ2/NDF:4.4/8
Right Out: -0.000+/-0.000 χ2/NDF: 39.9/18
Left In: 0.000+/-0.000 χ2/NDF:7.3/6
Left: 0.000+/-0.000 χ2/NDF: 11.7/15
Right: -0.000+/-0.000 χ2/NDF: 51.3/34
In: 0.000+/-0.000 χ2/NDF:16.1/22
Out: -0.000+/-0.000 χ2/NDF:50.3/27
All: -0.000+/-0.000 χ2/NDF: 66.6/50


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 5080225.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1425255.7/8
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:232556.5/6
Left: 0.000+/-0.000 χ²/NDF: 1680972.9/15
Right: 0.000+/-0.000 χ²/NDF: 10135954.8/34
In: 0.000+/-0.000 χ²/NDF:5315487.7/22
Out: 0.000+/-0.000 χ²/NDF:6606935.2/27
All: 0.000+/-0.000 χ²/NDF: 11923778.8/50



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -268.399+/-493.125 χ^2/NDF:15.7/8

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -178.905+/-511.253 χ^2/NDF:4.0/6

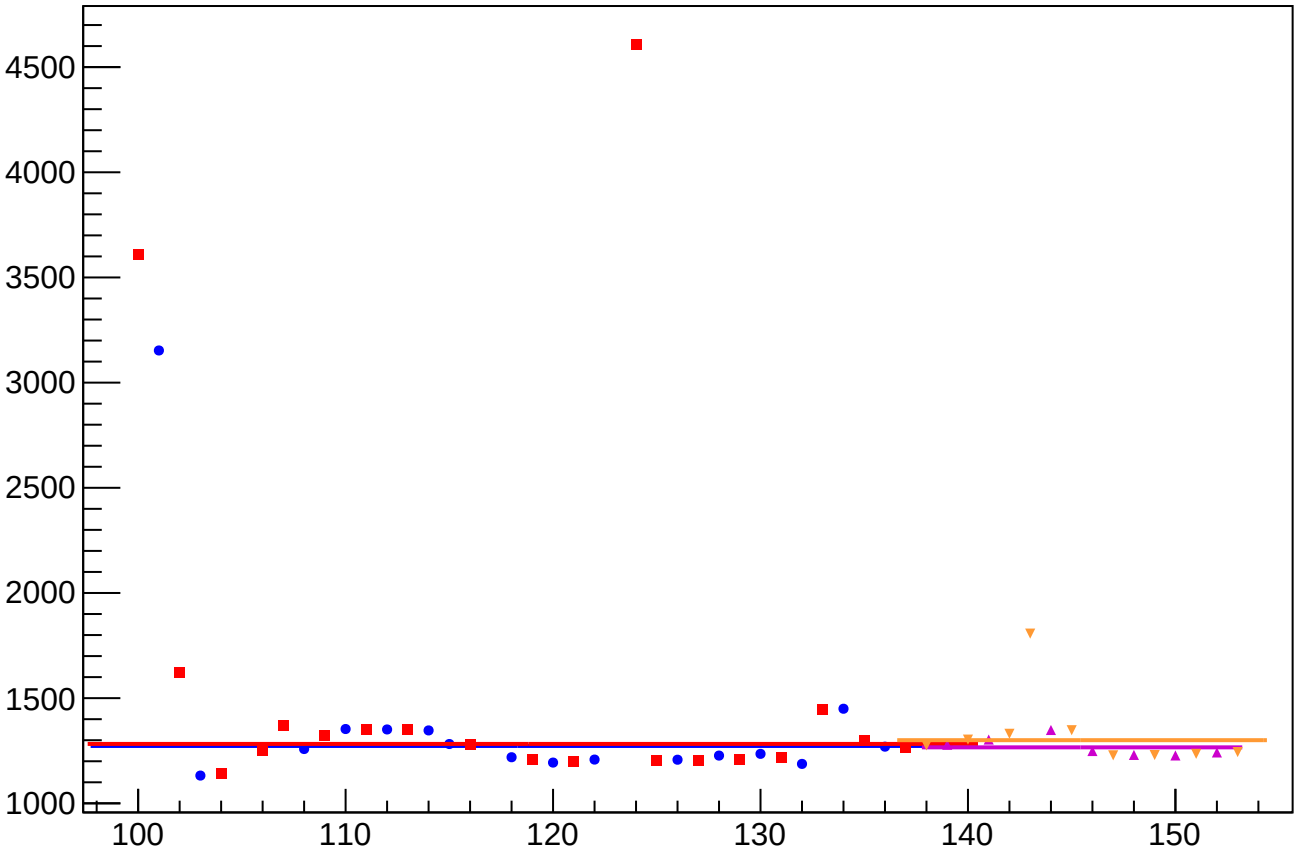
Left: -225.267+/-354.928 χ^2/NDF: 19.7/15

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 226.207+/-350.878 χ^2/NDF:22.3/22

Out: -371.304+/-344.147 χ^2/NDF:32.7/27

All: -78.334+/-245.694 χ^2/NDF: 56.4/50



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1300.196+/-0.349 χ^2/NDF:150709.7/8

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1266.109+/-0.362 χ^2/NDF:12564.9/6

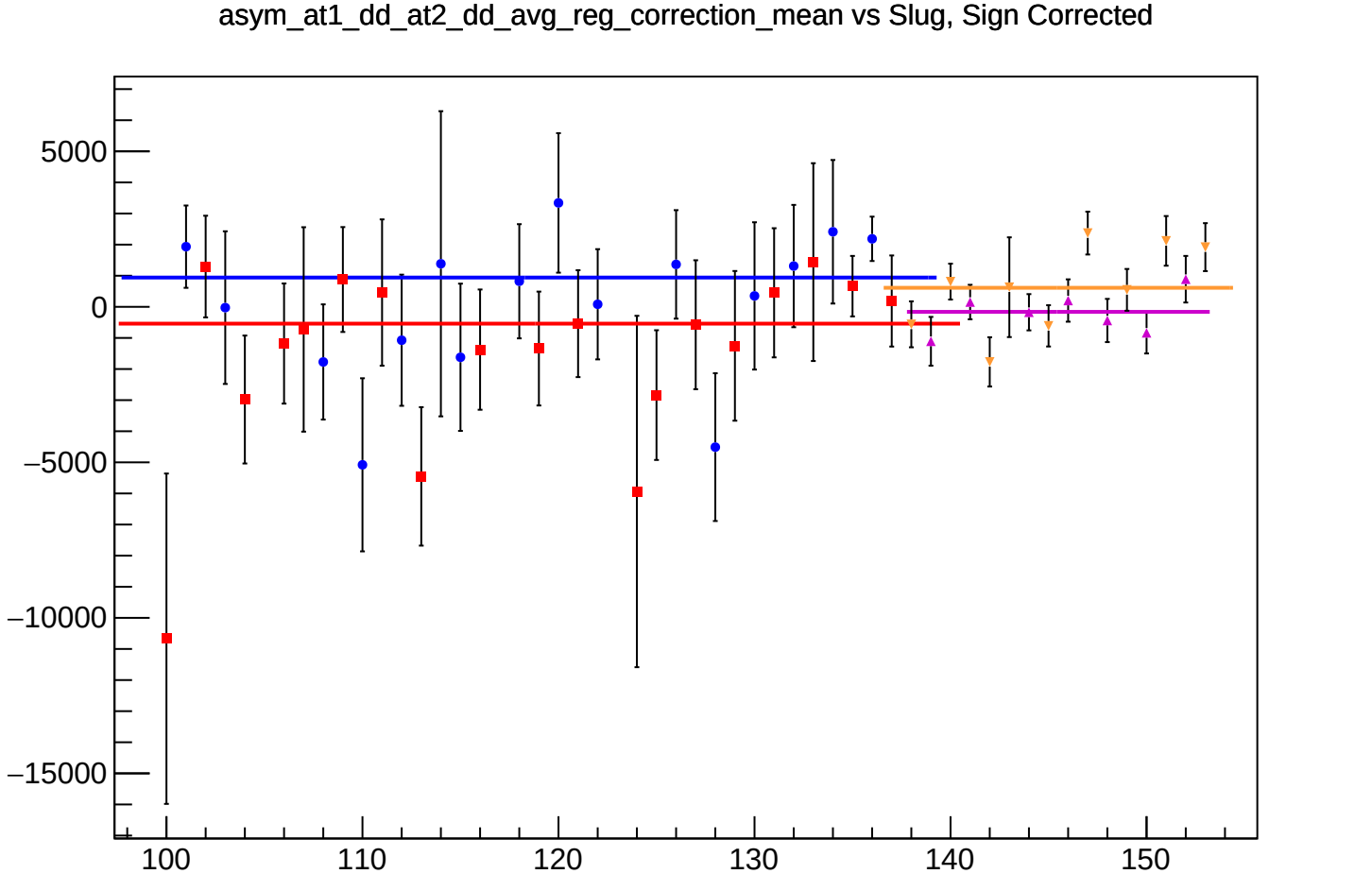
Left: 1283.768+/-0.251 χ^2/NDF: 167880.4/15

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1269.651+/-0.248 χ^2/NDF:532044.5/22

Out: 1291.050+/-0.243 χ^2/NDF:474129.7/27

All: 1280.557+/-0.174 χ^2/NDF: 1009965.6/50



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 611.956+/-244.878 χ^2/NDF:28.1/8

Right Out: -540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: -161.627+/-249.140 χ^2/NDF:5.2/6

Left: 231.839+/-174.642 χ^2/NDF: 38.2/15

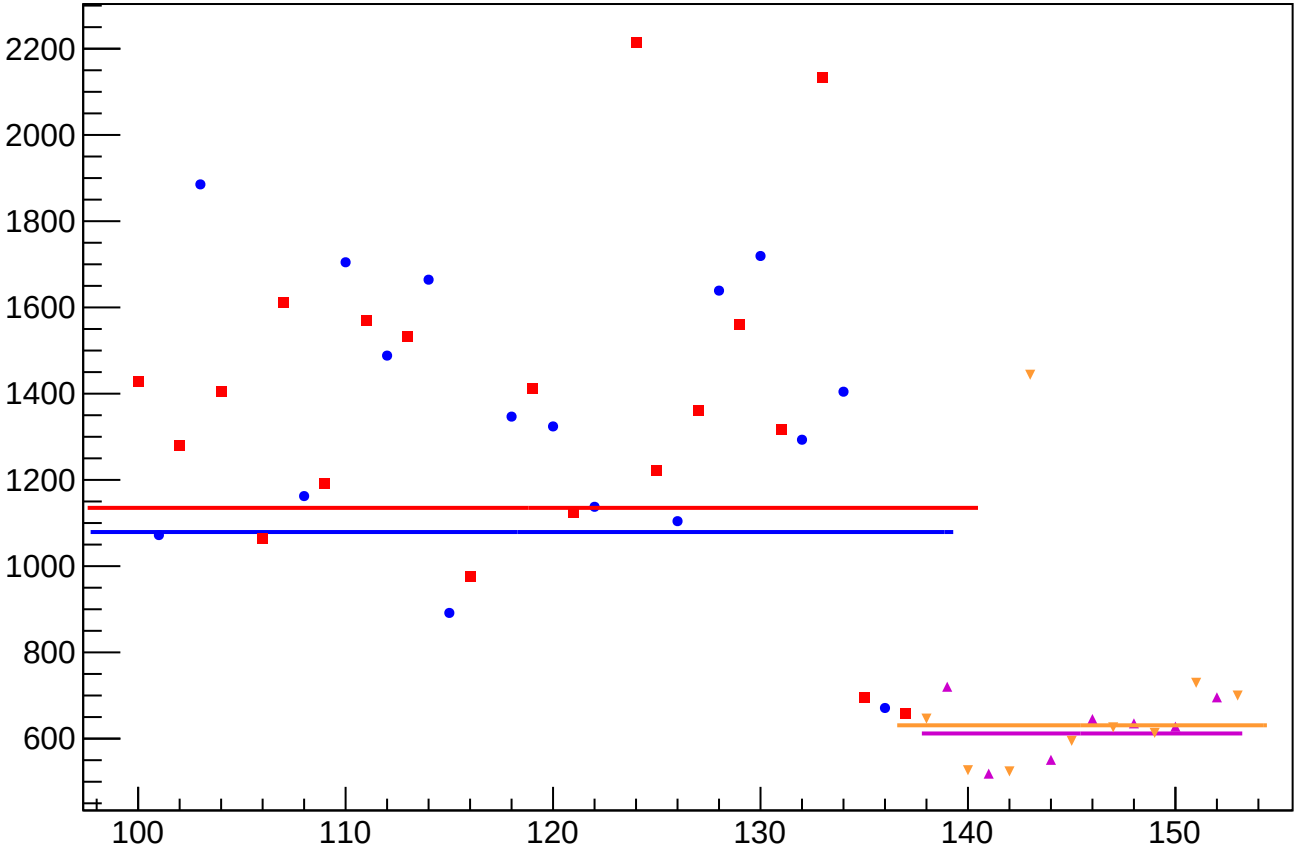
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: 119.745+/-215.040 χ^2/NDF:30.1/22

Out: 339.295+/-213.961 χ^2/NDF:50.5/27

All: 230.072+/-151.674 χ^2/NDF: 81.2/50

asym_at1_dd_at2_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 630.898+/-0.173 χ^2/NDF:670668.8/8

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 611.959+/-0.176 χ^2/NDF:150058.6/6

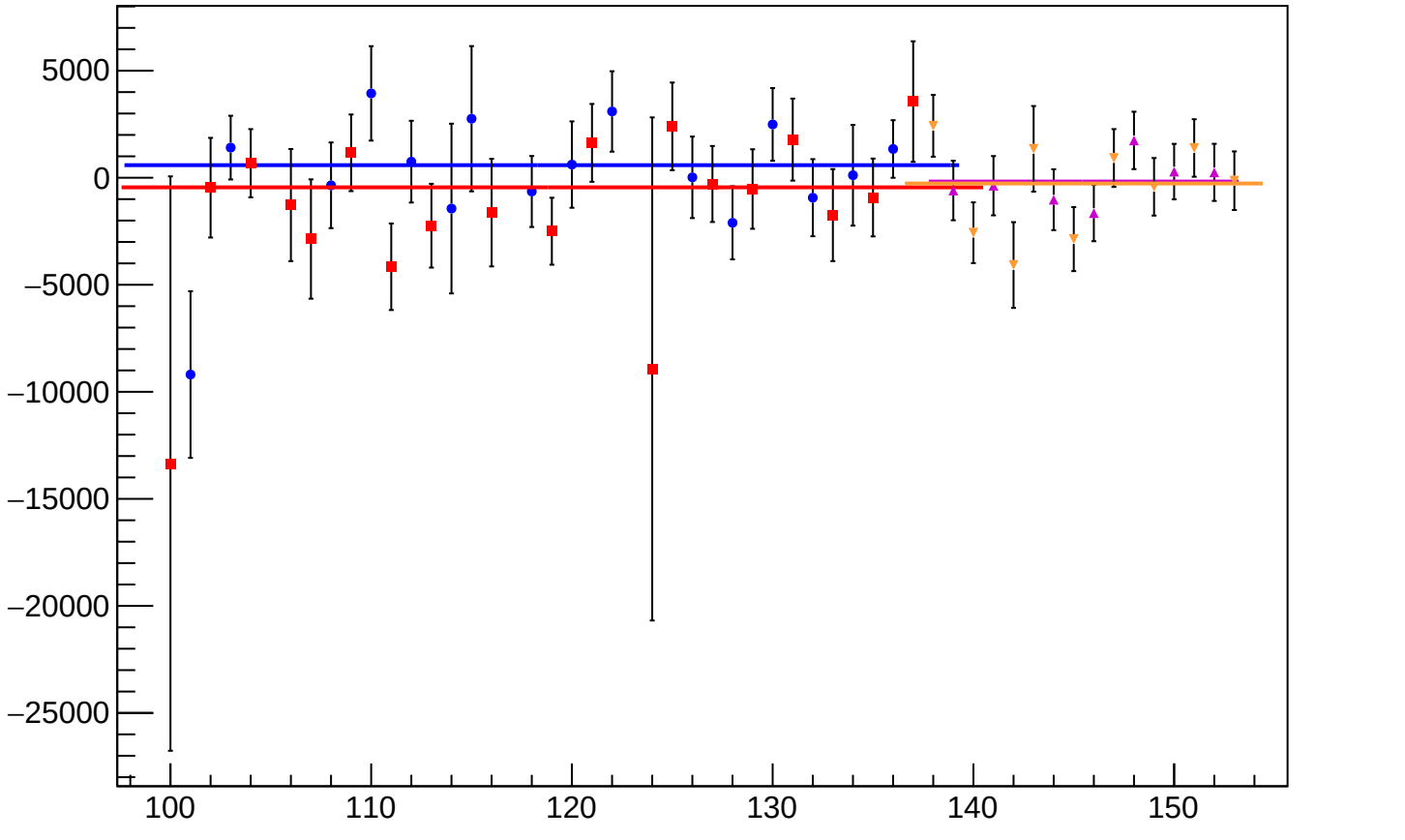
Left: 621.592+/-0.123 χ^2/NDF: 826605.8/15

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 731.088+/-0.152 χ^2/NDF:3425490.7/22

Out: 750.190+/-0.151 χ^2/NDF:3970060.7/27

All: 740.687+/-0.107 χ^2/NDF: 7403481.2/50



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -268.497+/-493.125 χ^2/NDF:15.7/8

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -178.935+/-511.253 χ^2/NDF:4.0/6

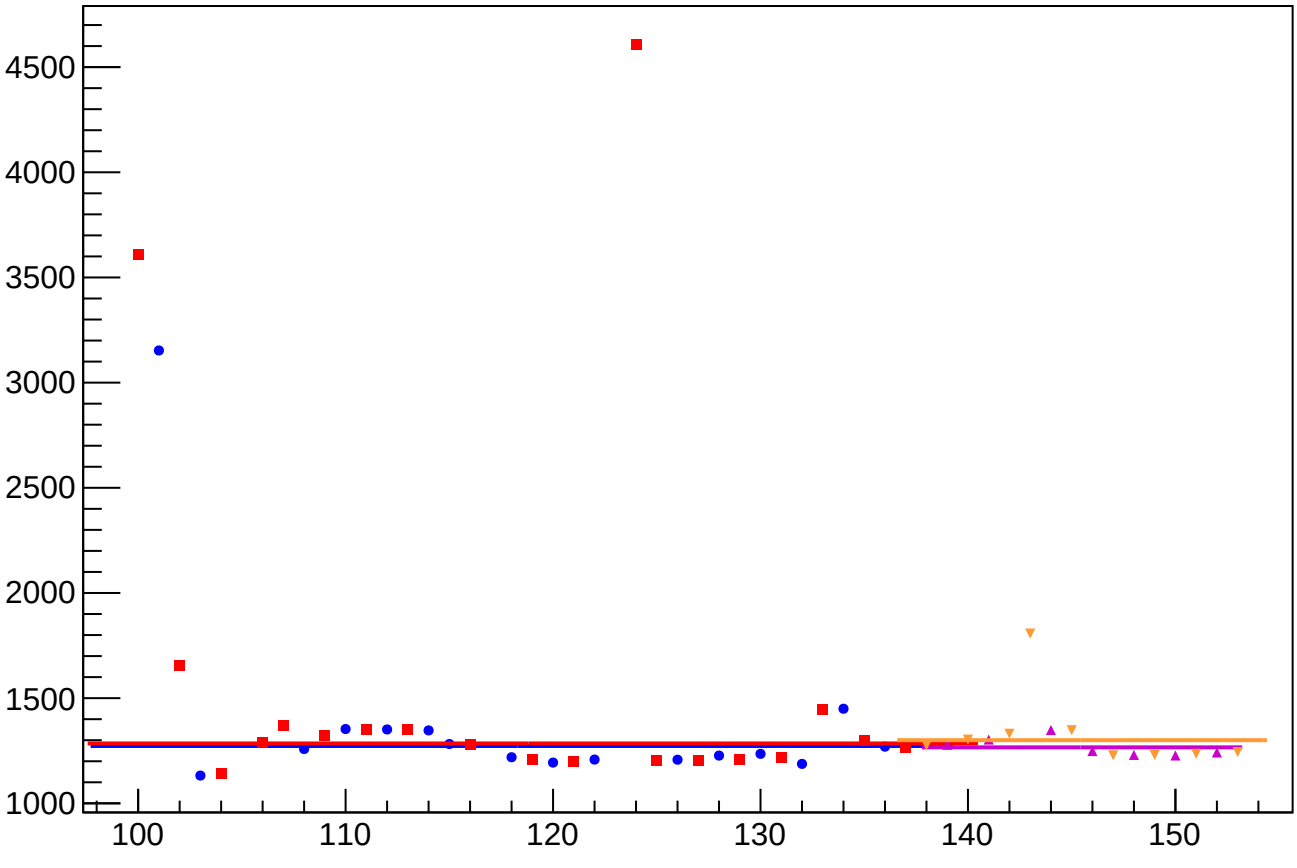
Left: -225.332+/-354.928 χ^2/NDF: 19.7/15

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 226.362+/-350.878 χ^2/NDF:22.2/22

Out: -360.632+/-344.447 χ^2/NDF:32.6/27

All: -72.563+/-245.803 χ^2/NDF: 56.3/50



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1300.196+/-0.349 χ^2/NDF:150709.7/8

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1266.109+/-0.362 χ^2/NDF:12564.9/6

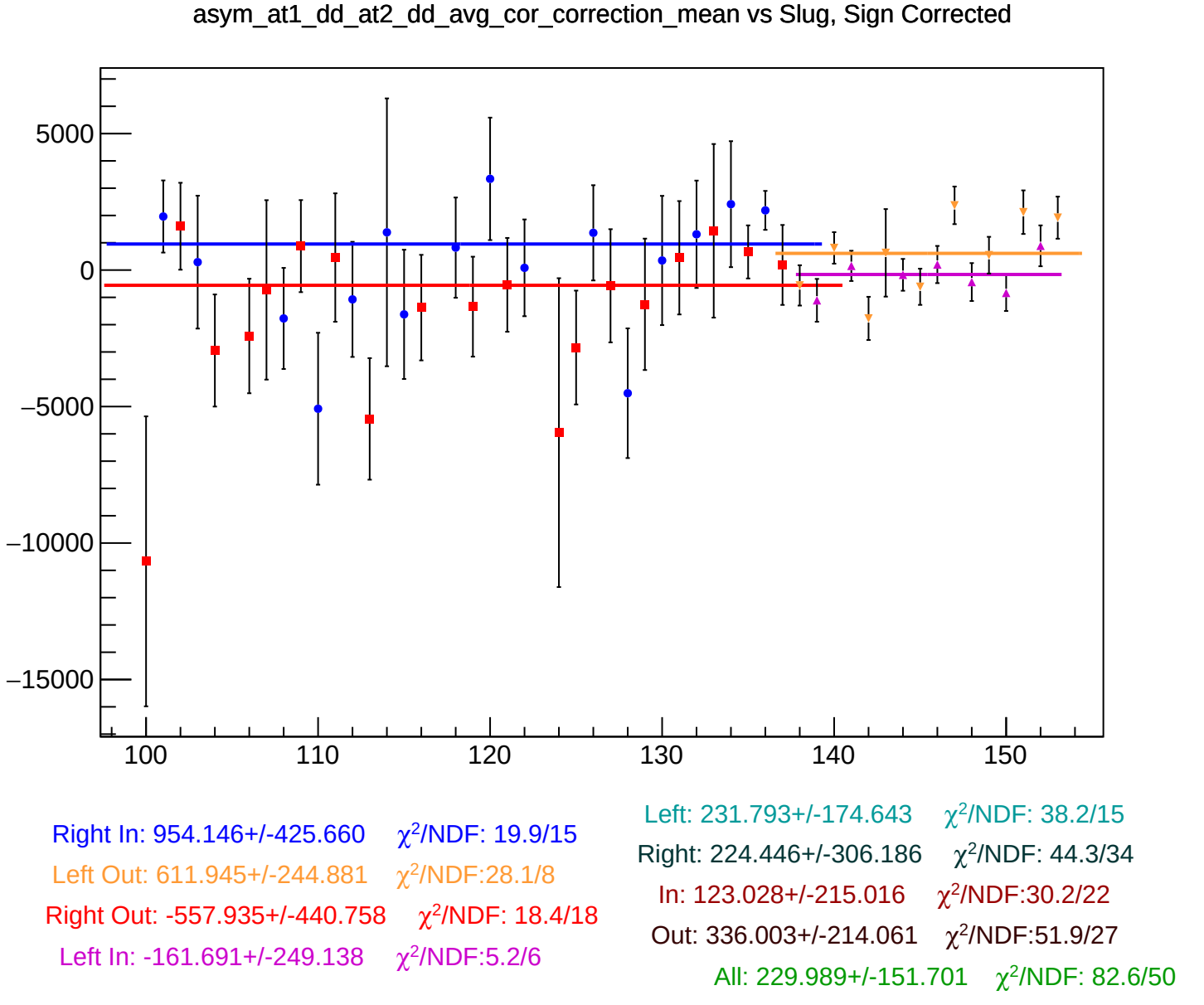
Left: 1283.768+/-0.251 χ^2/NDF: 167880.4/15

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

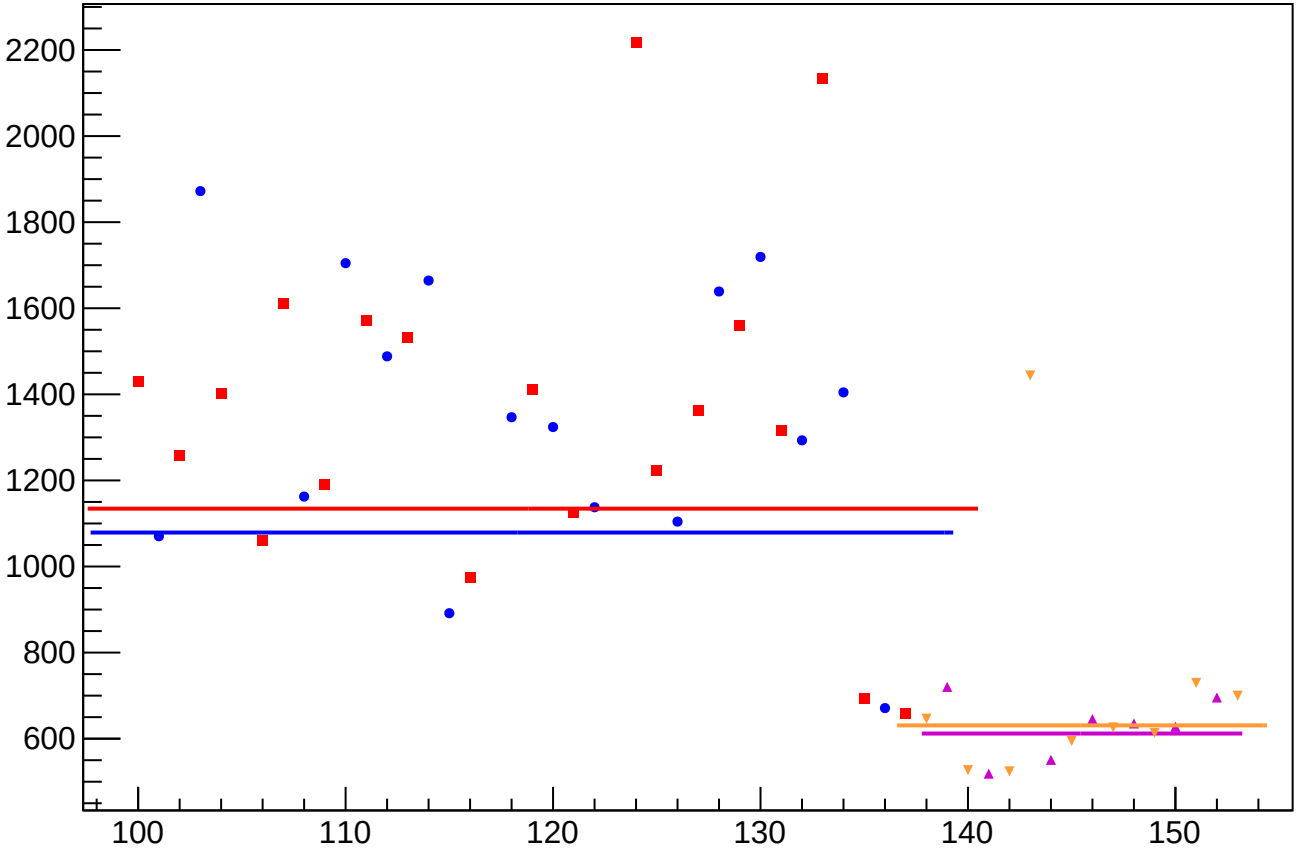
In: 1269.651+/-0.248 χ^2/NDF:532045.9/22

Out: 1292.237+/-0.244 χ^2/NDF:480462.0/27

All: 1281.153+/-0.174 χ^2/NDF: 1016728.2/50


asym_at1_dd_at2_dd_avg_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: 954.146+/-425.660 χ²/NDF: 19.9/15
Left Out: 611.945+/-244.881 χ²/NDF:28.1/8
Right Out: -557.935+/-440.758 χ²/NDF: 18.4/18
Left In: -161.691+/-249.138 χ²/NDF:5.2/6
Left: 231.793+/-174.643 χ²/NDF: 38.2/15
Right: 224.446+/-306.186 χ²/NDF: 44.3/34
In: 123.028+/-215.016 χ²/NDF:30.2/22
Out: 336.003+/-214.061 χ²/NDF:51.9/27
All: 229.989+/-151.701 χ²/NDF: 82.6/50

asym_at1_dd_at2_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 630.907+/-0.173 χ^2/NDF:670590.6/8

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 611.952+/-0.176 χ^2/NDF:150074.9/6

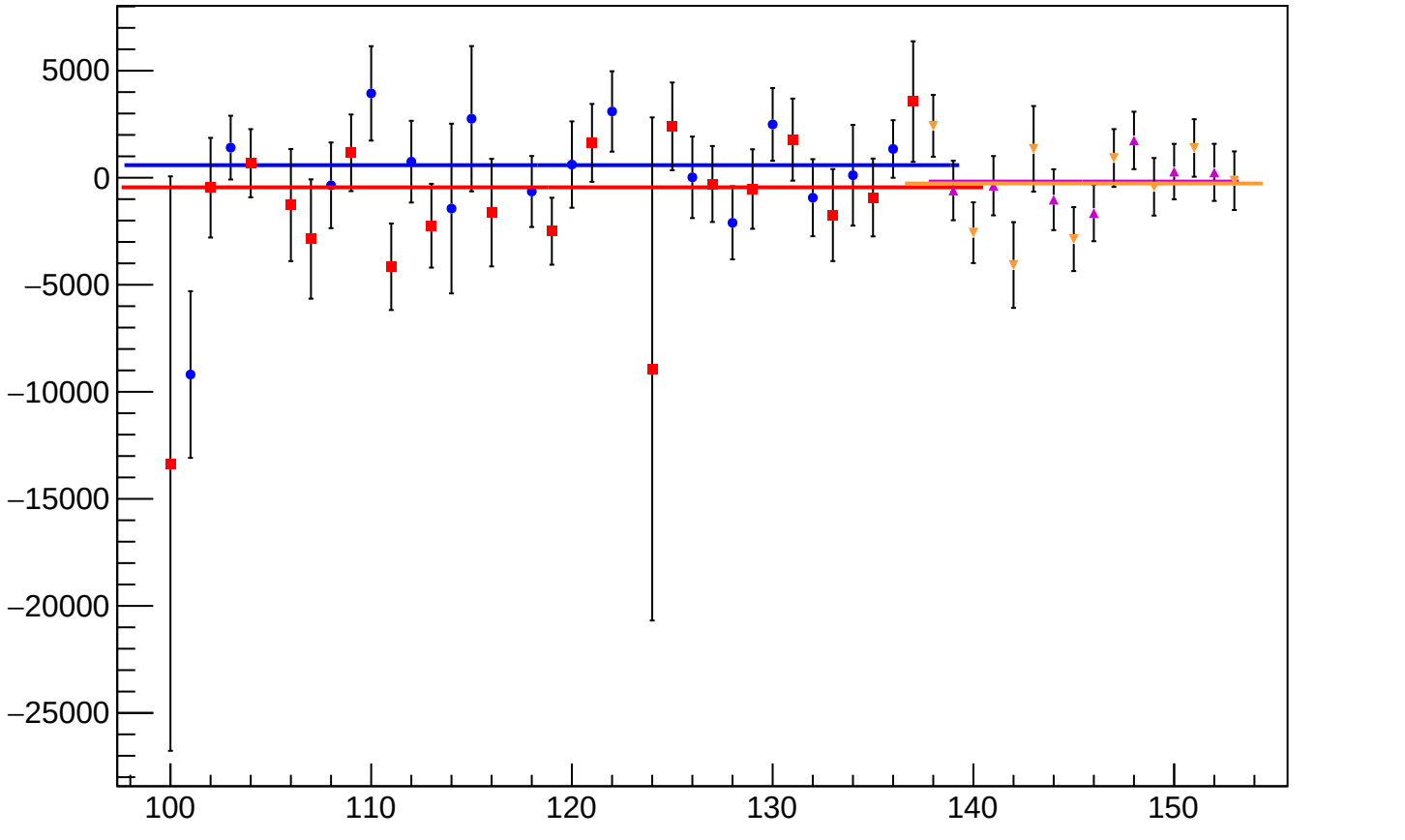
Left: 621.593+/-0.123 χ^2/NDF: 826553.6/15

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 731.107+/-0.152 χ^2/NDF:3421716.4/22

Out: 749.674+/-0.151 χ^2/NDF:3953974.2/27

All: 740.432+/-0.107 χ^2/NDF: 7383179.6/50



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -268.497+/-493.125 χ^2/NDF:15.7/8

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -178.935+/-511.253 χ^2/NDF:4.0/6

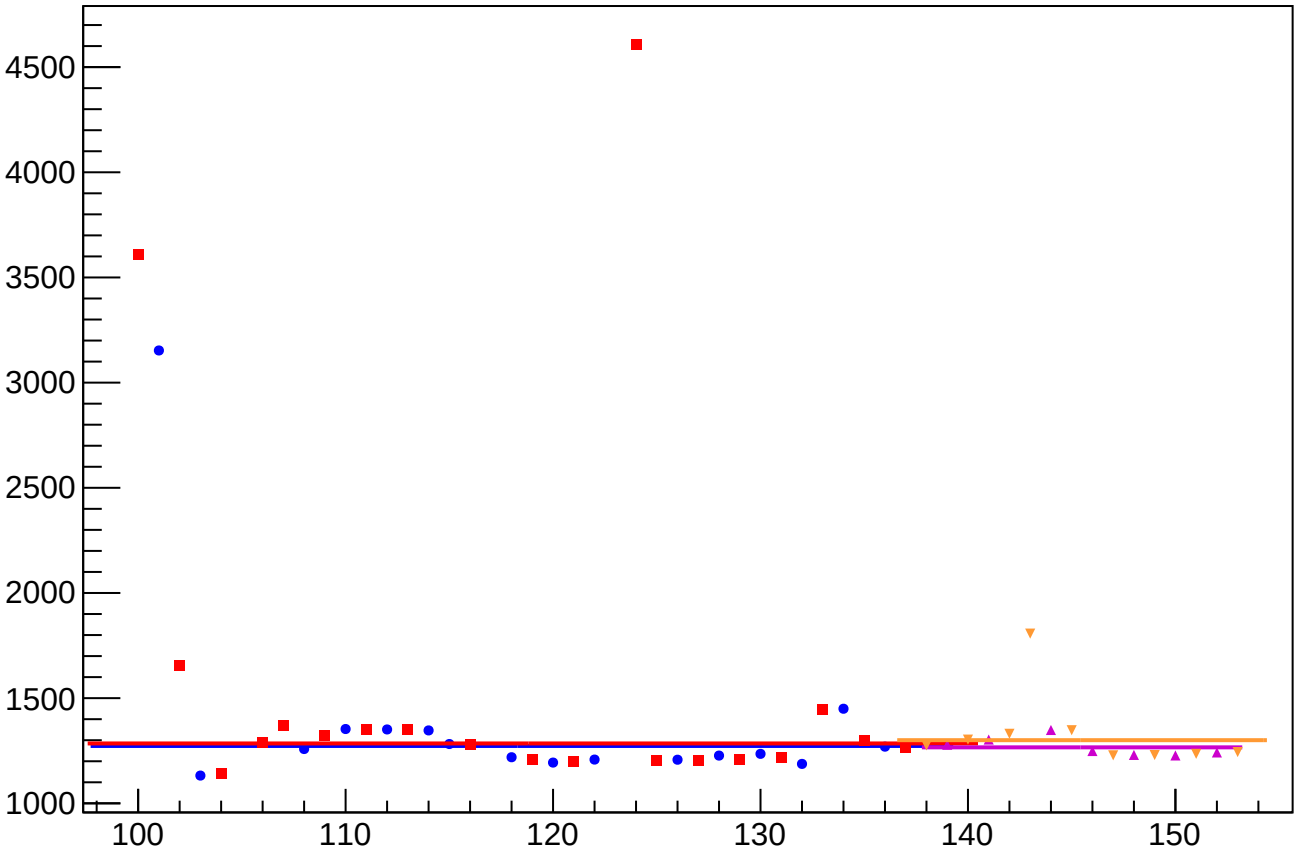
Left: -225.332+/-354.928 χ^2/NDF: 19.7/15

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 226.362+/-350.878 χ^2/NDF:22.2/22

Out: -360.632+/-344.447 χ^2/NDF:32.6/27

All: -72.563+/-245.803 χ^2/NDF: 56.3/50



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1300.196+/-0.349 χ^2/NDF:150709.7/8

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1266.109+/-0.362 χ^2/NDF:12564.9/6

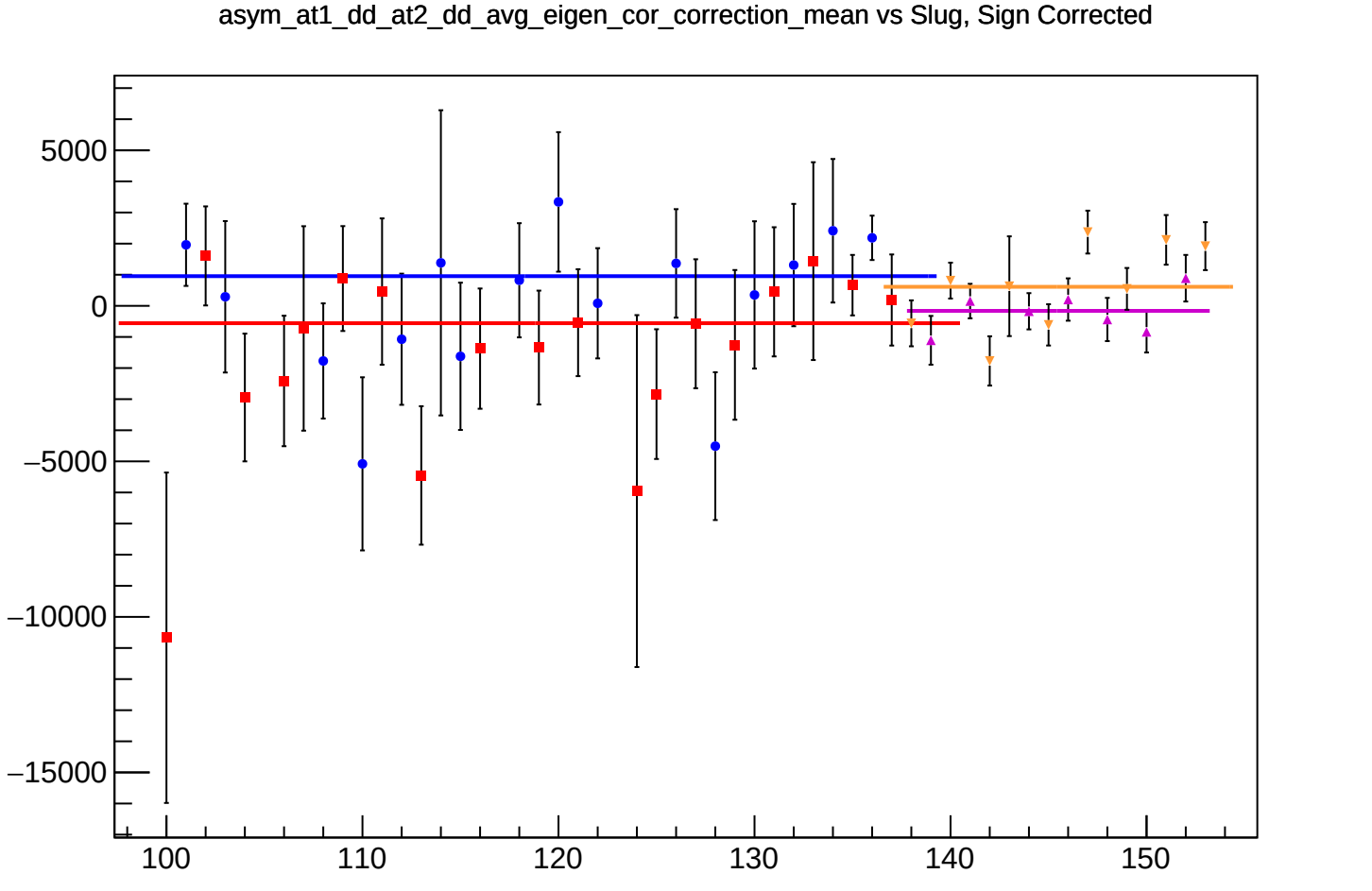
Left: 1283.768+/-0.251 χ^2/NDF: 167880.4/15

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1269.651+/-0.248 χ^2/NDF:532045.9/22

Out: 1292.237+/-0.244 χ^2/NDF:480462.0/27

All: 1281.153+/-0.174 χ^2/NDF: 1016728.2/50



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 611.945+/-244.881 χ^2/NDF:28.1/8

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -161.691+/-249.138 χ^2/NDF:5.2/6

Left: 231.793+/-174.643 χ^2/NDF: 38.2/15

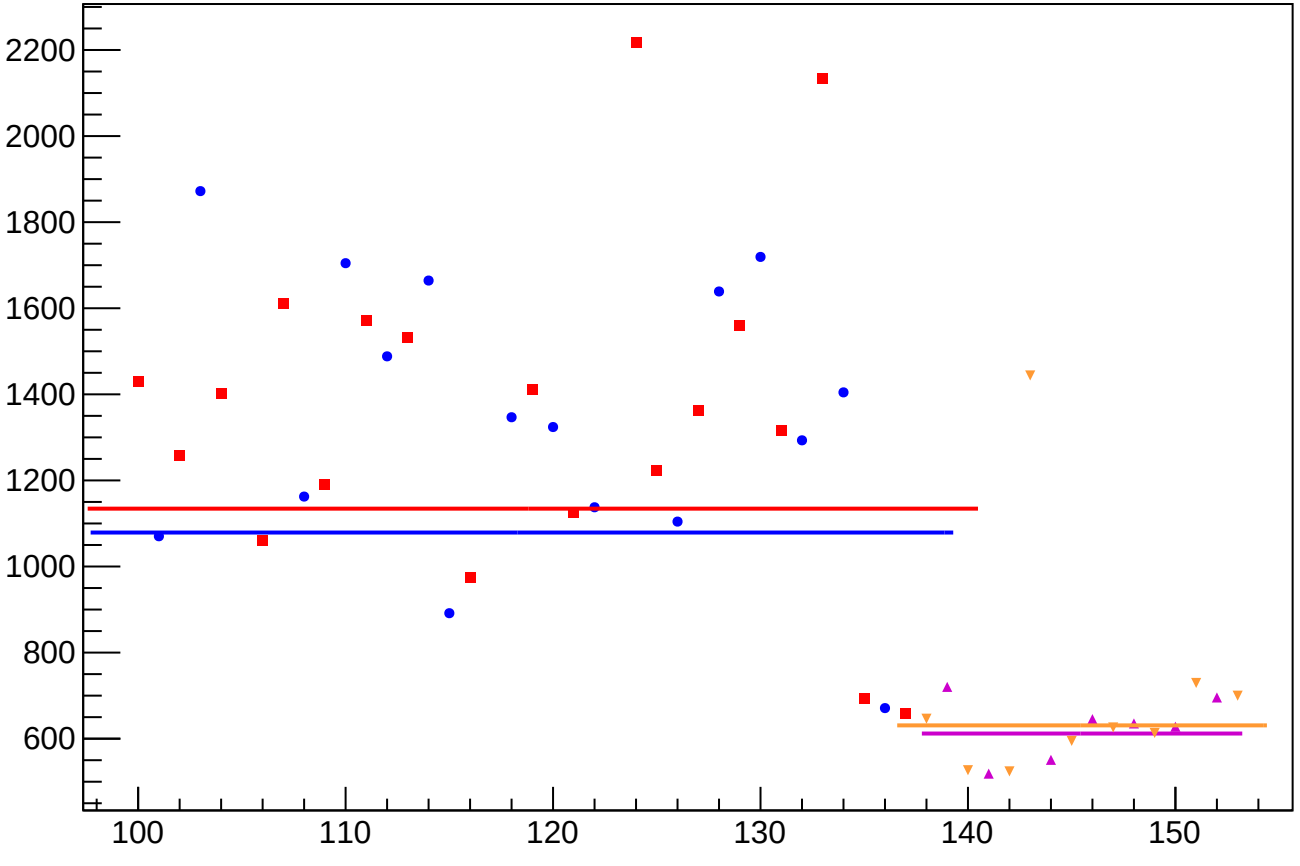
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 123.028+/-215.016 χ^2/NDF:30.2/22

Out: 336.003+/-214.061 χ^2/NDF:51.9/27

All: 229.989+/-151.701 χ^2/NDF: 82.6/50

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 630.907+/-0.173 χ^2/NDF:670590.6/8

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 611.952+/-0.176 χ^2/NDF:150074.9/6

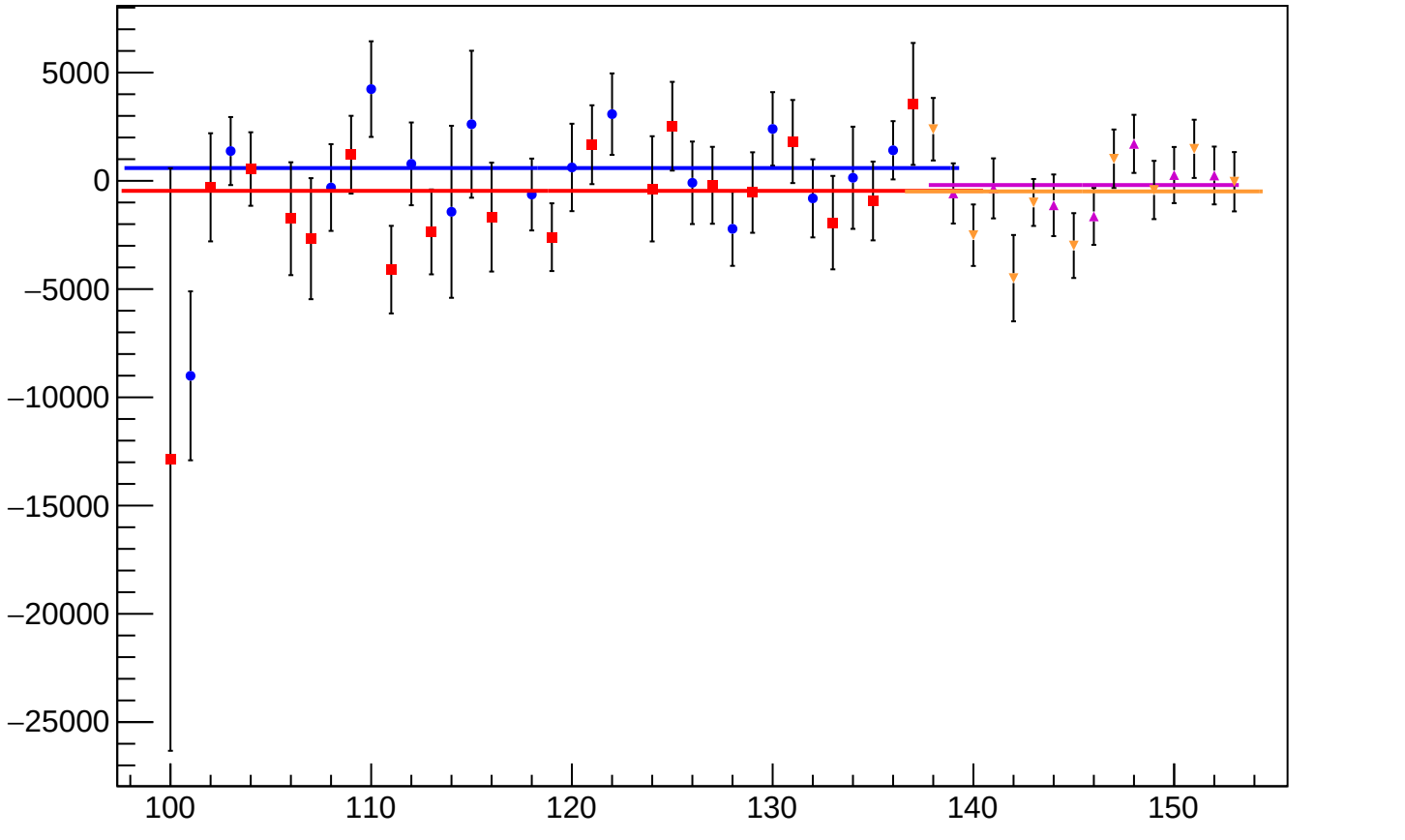
Left: 621.593+/-0.123 χ^2/NDF: 826553.6/15

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 731.107+/-0.152 χ^2/NDF:3421716.4/22

Out: 749.674+/-0.151 χ^2/NDF:3953974.2/27

All: 740.432+/-0.107 χ^2/NDF: 7383179.6/50



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -487.696+/-460.769 χ^2/NDF:16.5/8

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -194.734+/-511.646 χ^2/NDF:4.0/6

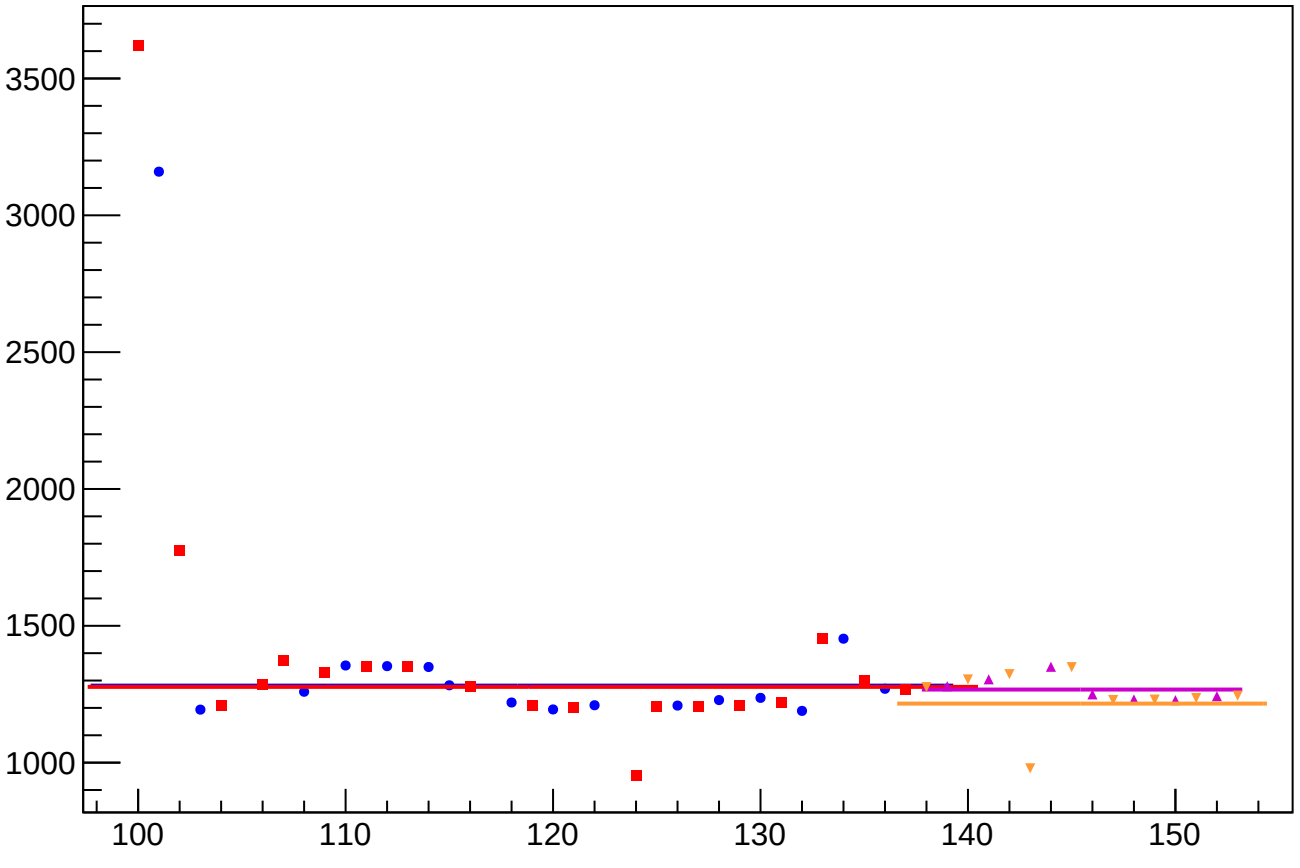
Left: -356.501+/-342.391 χ^2/NDF: 20.7/15

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 218.379+/-352.174 χ^2/NDF:22.3/22

Out: -475.580+/-331.334 χ^2/NDF:33.2/27

All: -149.740+/-241.320 χ^2/NDF: 57.6/50



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1215.719+/-0.326 χ^2/NDF:129857.9/8

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1267.073+/-0.362 χ^2/NDF:12704.6/6

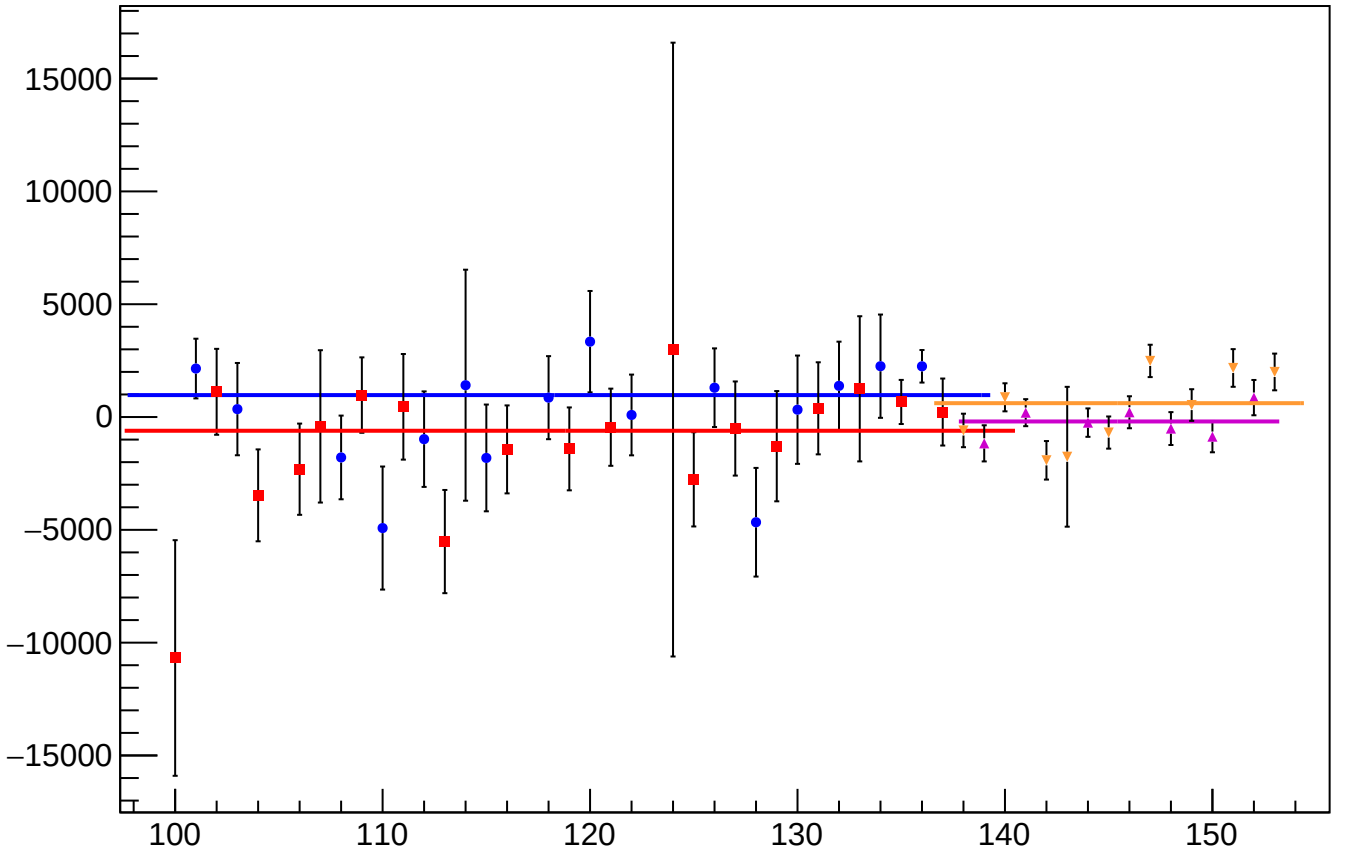
Left: 1238.716+/-0.242 χ^2/NDF: 153688.1/15

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1274.596+/-0.249 χ^2/NDF:520604.7/22

Out: 1245.245+/-0.234 χ^2/NDF:367377.6/27

All: 1259.026+/-0.171 χ^2/NDF: 895351.4/50



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 614.011+/-260.209 χ^2/NDF:28.8/8

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: -196.797+/-263.029 χ^2/NDF:5.2/6

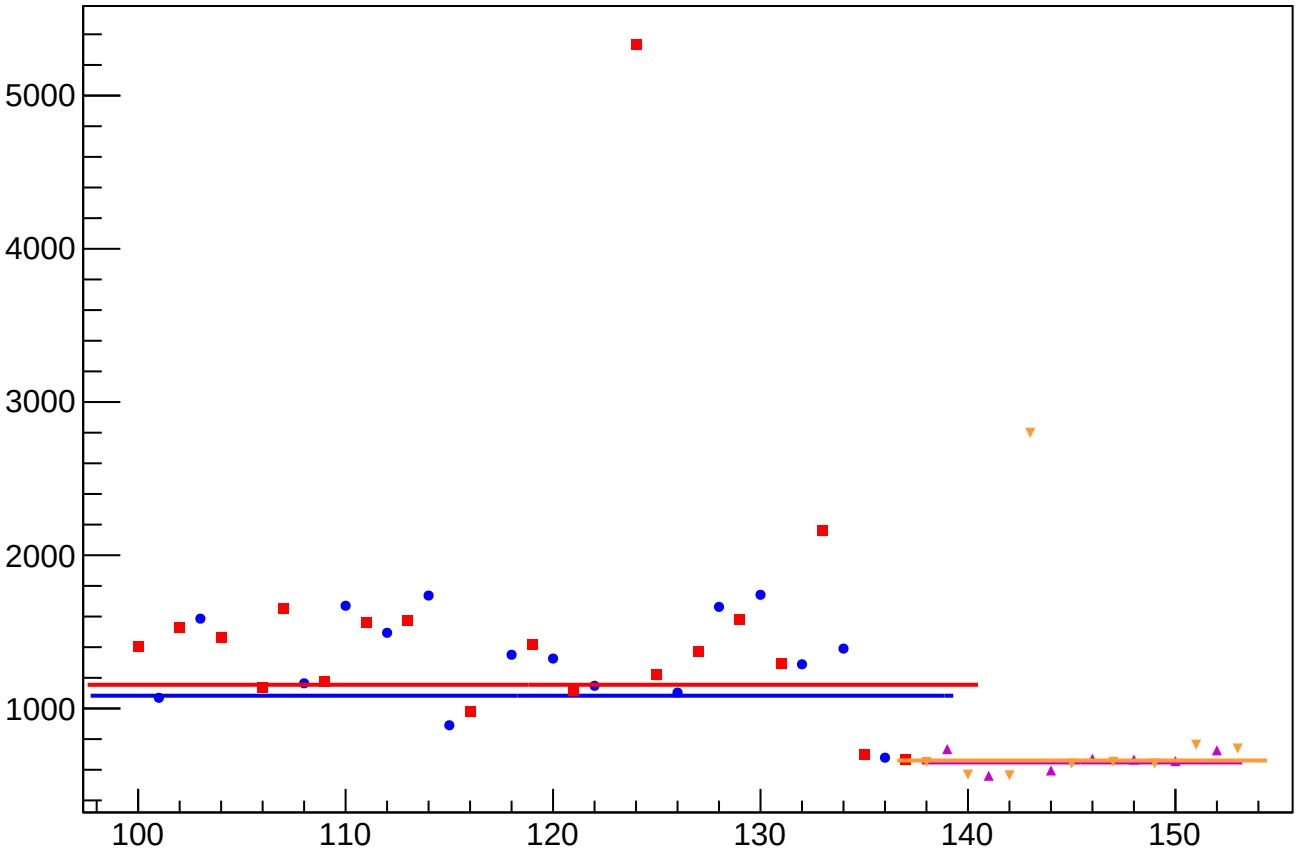
Left: 212.978+/-184.984 χ^2/NDF: 38.8/15

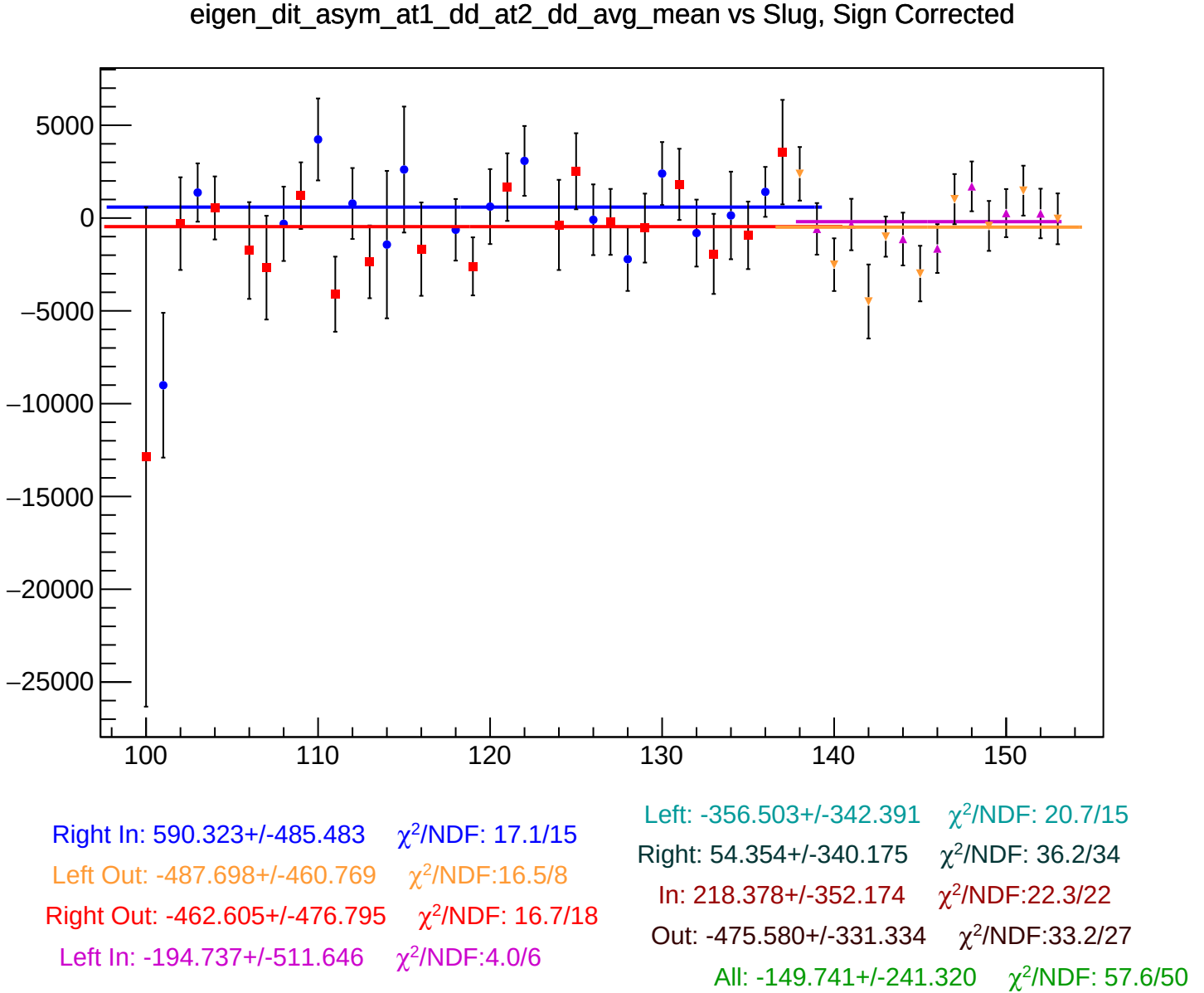
Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

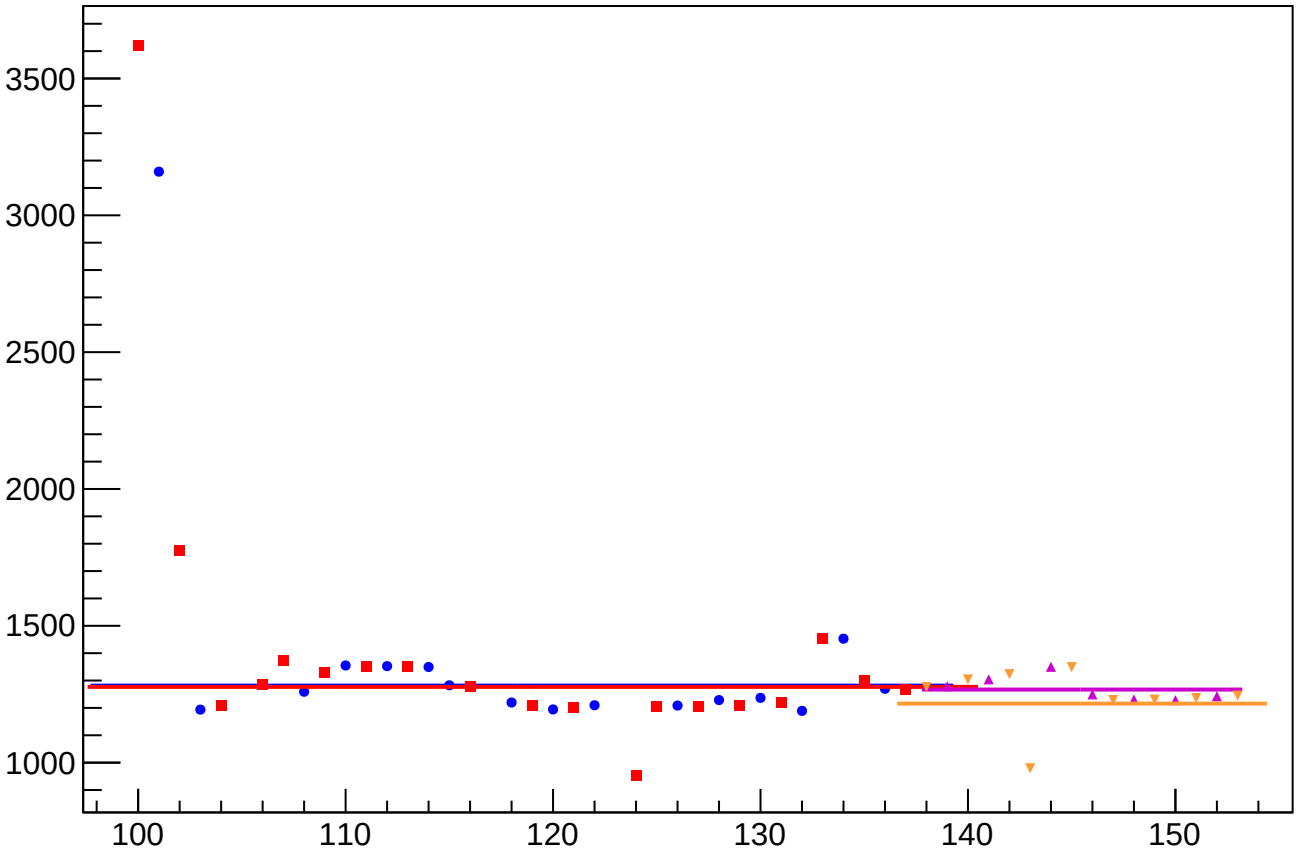
In: 126.739+/-223.692 χ^2/NDF:31.1/22

Out: 305.369+/-224.974 χ^2/NDF:51.5/27

All: 215.544+/-158.626 χ^2/NDF: 82.9/50


asym_at1_dd_at2_dd_avg_dit_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
110
120
130
140
150
Right In: 1083.335+/-0.301 χ²/NDF: 1360153.3/15
Left Out: 660.585+/-0.184 χ²/NDF:1075199.3/8
Right Out: 1154.724+/-0.317 χ²/NDF: 1488304.5/18
Left In: 647.485+/-0.186 χ²/NDF:104248.1/6
Left: 654.105+/-0.131 χ²/NDF: 1181954.9/15
Right: 1117.189+/-0.218 χ²/NDF: 2875191.7/34
In: 768.103+/-0.158 χ²/NDF:2984151.8/22
Out: 785.345+/-0.159 χ²/NDF:4384510.4/27
All: 776.675+/-0.112 χ²/NDF: 7374569.5/50


eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
Right In: 590.323+/-485.483 χ²/NDF: 17.1/15
Left Out: -487.698+/-460.769 χ²/NDF:16.5/8
Right Out: -462.605+/-476.795 χ²/NDF: 16.7/18
Left In: -194.737+/-511.646 χ²/NDF:4.0/6
Left: -356.503+/-342.391 χ²/NDF: 20.7/15
Right: 54.354+/-340.175 χ²/NDF: 36.2/34
In: 218.378+/-352.174 χ²/NDF:22.3/22
Out: -475.580+/-331.334 χ²/NDF:33.2/27
All: -149.741+/-241.320 χ²/NDF: 57.6/50



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1215.719+/-0.326 χ^2/NDF:129857.3/8

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1267.073+/-0.362 χ^2/NDF:12704.7/6

Left: 1238.716+/-0.242 χ^2/NDF: 153687.3/15

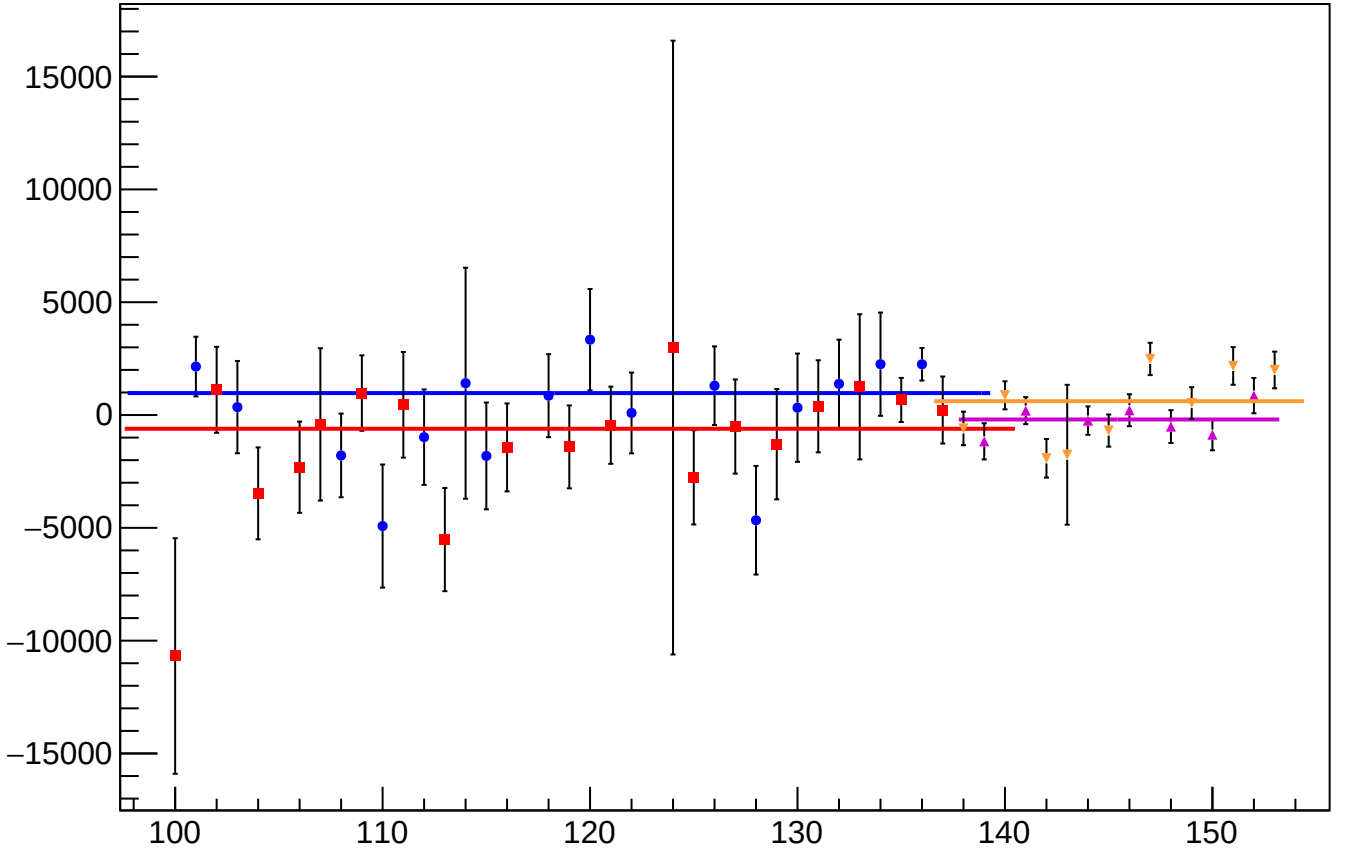
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1274.596+/-0.249 χ^2/NDF:520604.9/22

Out: 1245.245+/-0.234 χ^2/NDF:367376.6/27

All: 1259.026+/-0.171 χ^2/NDF: 895350.5/50

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: 614.015+/-260.209 χ^2/NDF:28.8/8

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -196.797+/-263.029 χ^2/NDF:5.2/6

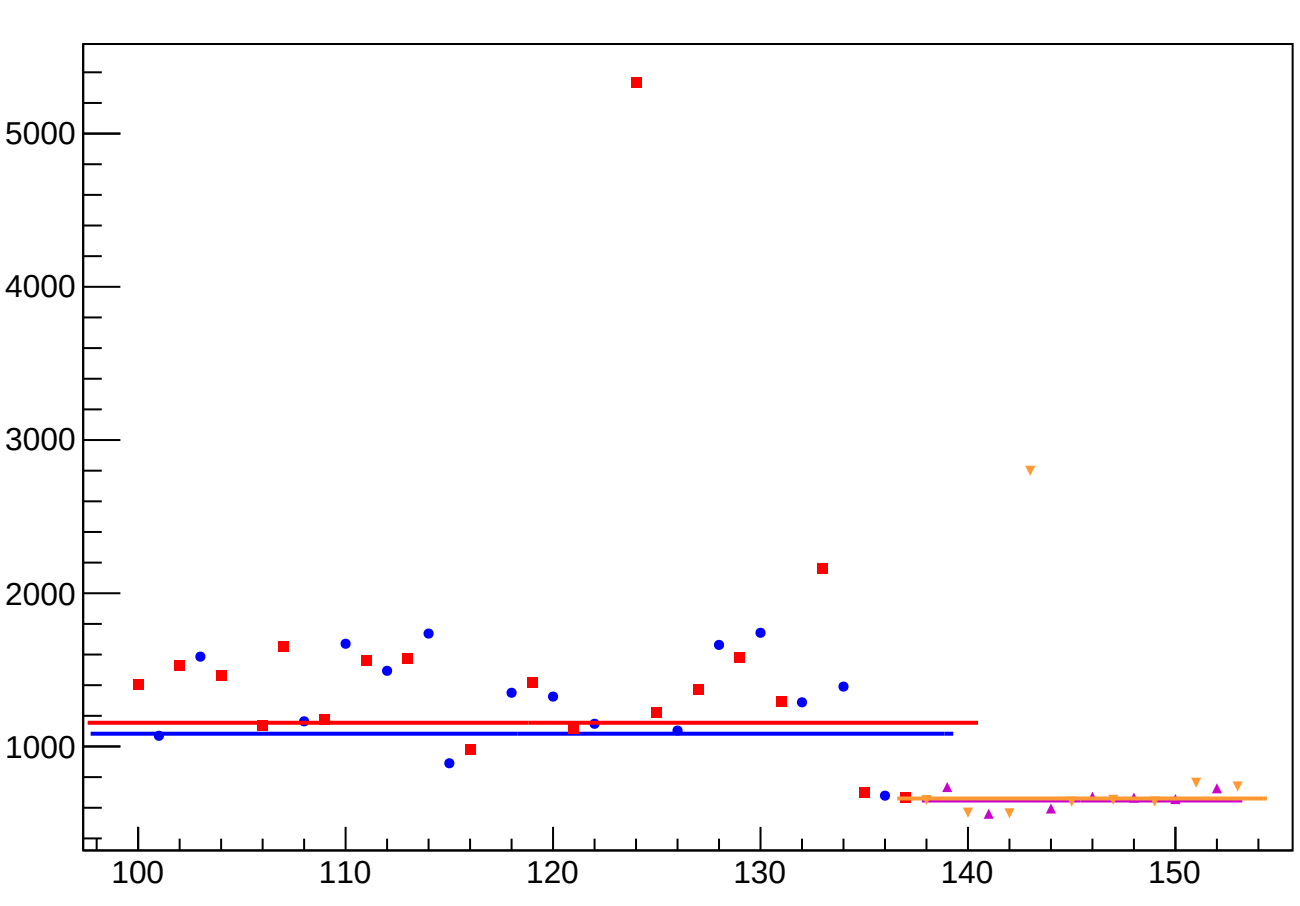
Left: 212.979+/-184.985 χ^2/NDF: 38.8/15

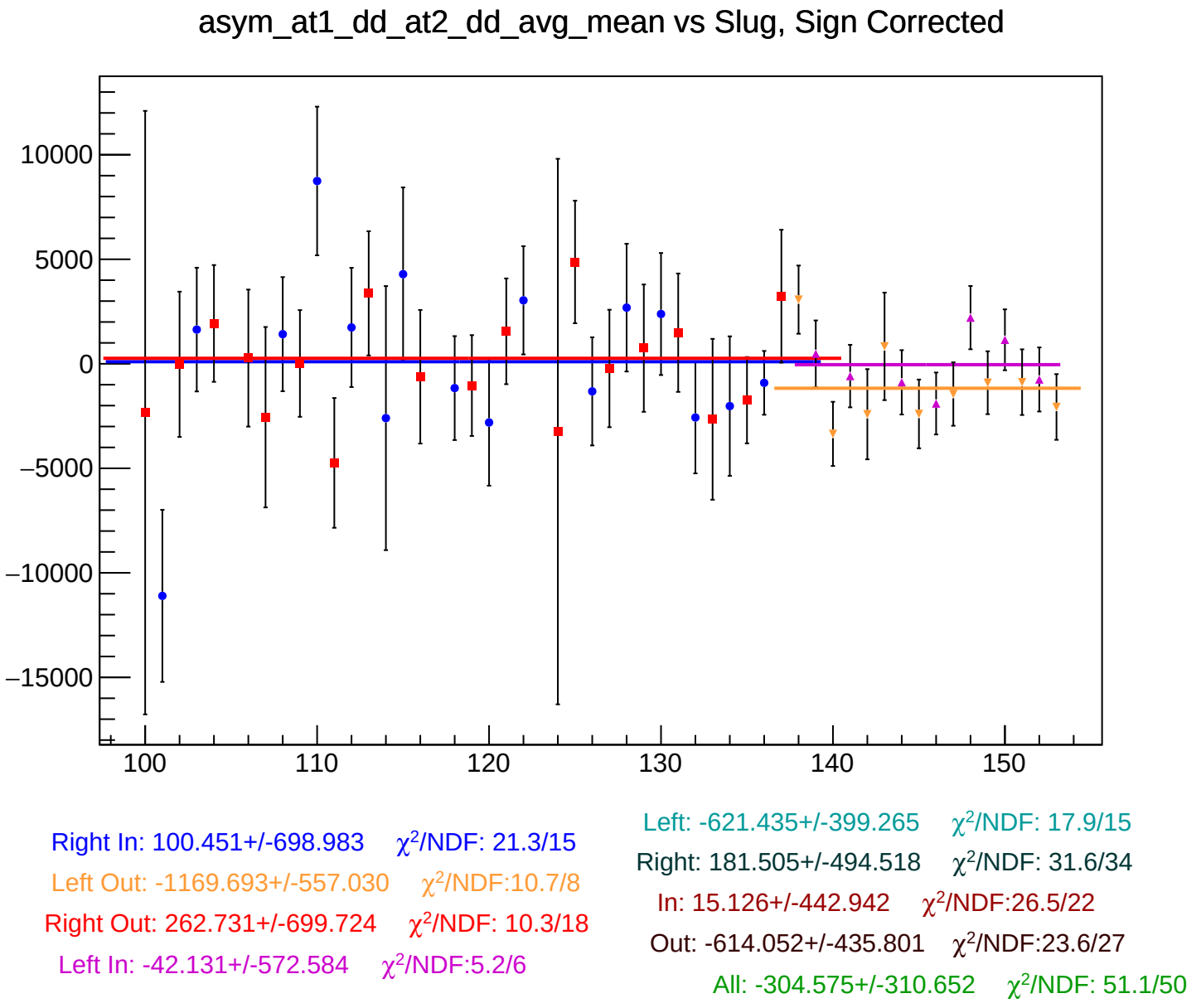
Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 126.735+/-223.692 χ^2/NDF:31.1/22

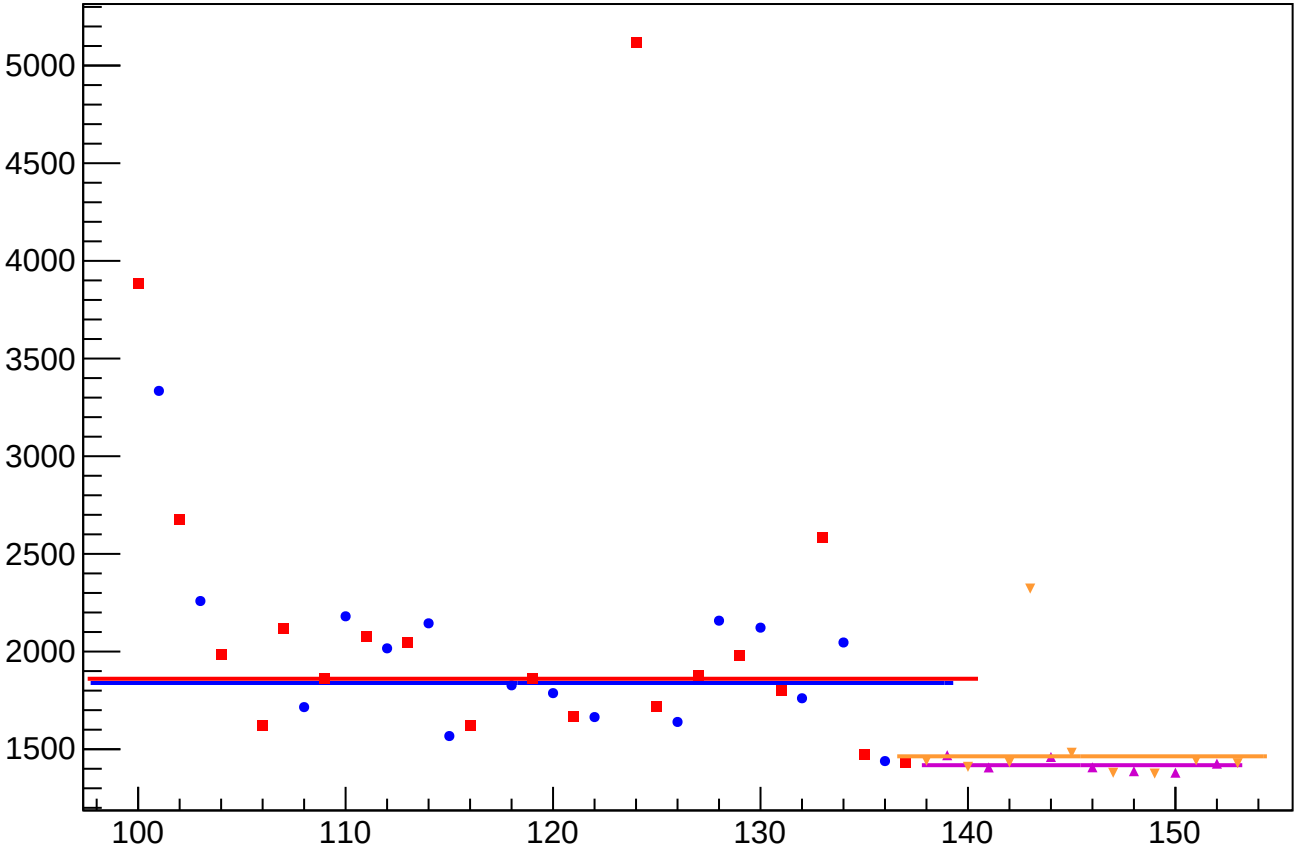
Out: 305.371+/-224.975 χ^2/NDF:51.5/27

All: 215.542+/-158.626 χ^2/NDF: 82.9/50


asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
110
120
130
140
150
Right In: 1083.341+/-0.301 χ²/NDF: 1360095.7/15
Left Out: 660.587+/-0.184 χ²/NDF:1075194.3/8
Right Out: 1154.732+/-0.317 χ²/NDF: 1488251.4/18
Left In: 647.484+/-0.186 χ²/NDF:104250.8/6
Left: 654.106+/-0.131 χ²/NDF: 1181953.3/15
Right: 1117.196+/-0.218 χ²/NDF: 2875081.4/34
In: 768.104+/-0.158 χ²/NDF:2984136.4/22
Out: 785.348+/-0.159 χ²/NDF:4384480.1/27
All: 776.676+/-0.112 χ²/NDF: 7374525.2/50


asym_at1_dd_at2_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: 100.451+/-698.983 χ²/NDF: 21.3/15
Left Out: -1169.693+/-557.030 χ²/NDF:10.7/8
Right Out: 262.731+/-699.724 χ²/NDF: 10.3/18
Left In: -42.131+/-572.584 χ²/NDF:5.2/6
Left: -621.435+/-399.265 χ²/NDF: 17.9/15
Right: 181.505+/-494.518 χ²/NDF: 31.6/34
In: 15.126+/-442.942 χ²/NDF:26.5/22
Out: -614.052+/-435.801 χ²/NDF:23.6/27
All: -304.575+/-310.652 χ²/NDF: 51.1/50

asym_at1_dd_at2_dd_avg_rms vs Slug, Sign Corrected



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1463.711+/-0.394 χ^2/NDF:240872.7/8

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1418.257+/-0.405 χ^2/NDF:6024.7/6

Left: 1441.610+/-0.282 χ^2/NDF: 253372.7/15

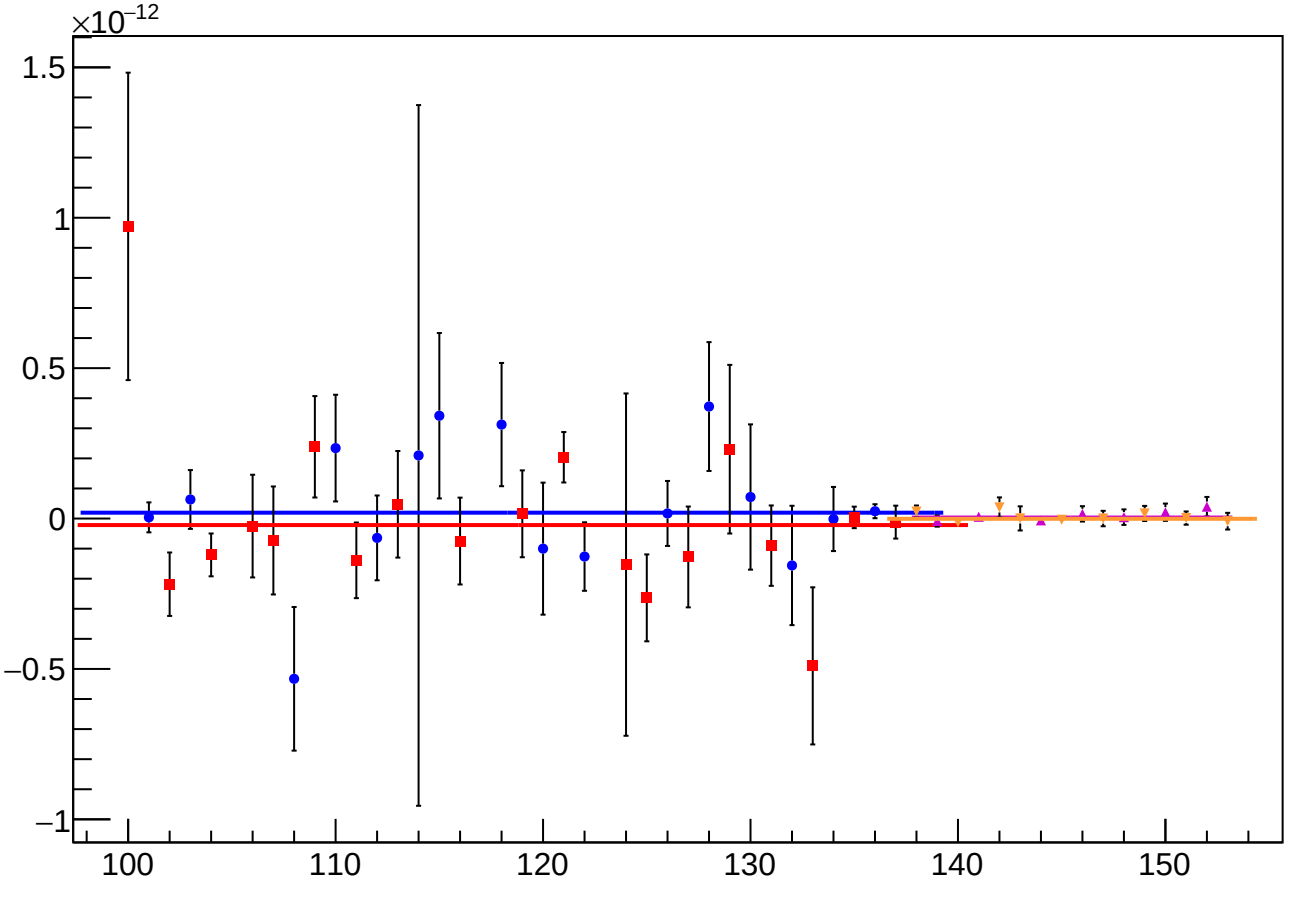
Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1587.260+/-0.313 χ^2/NDF:996639.7/22

Out: 1617.727+/-0.308 χ^2/NDF:1157151.0/27

All: 1602.741+/-0.220 χ^2/NDF: 2158598.8/50

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:4.6/8

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2.8/6

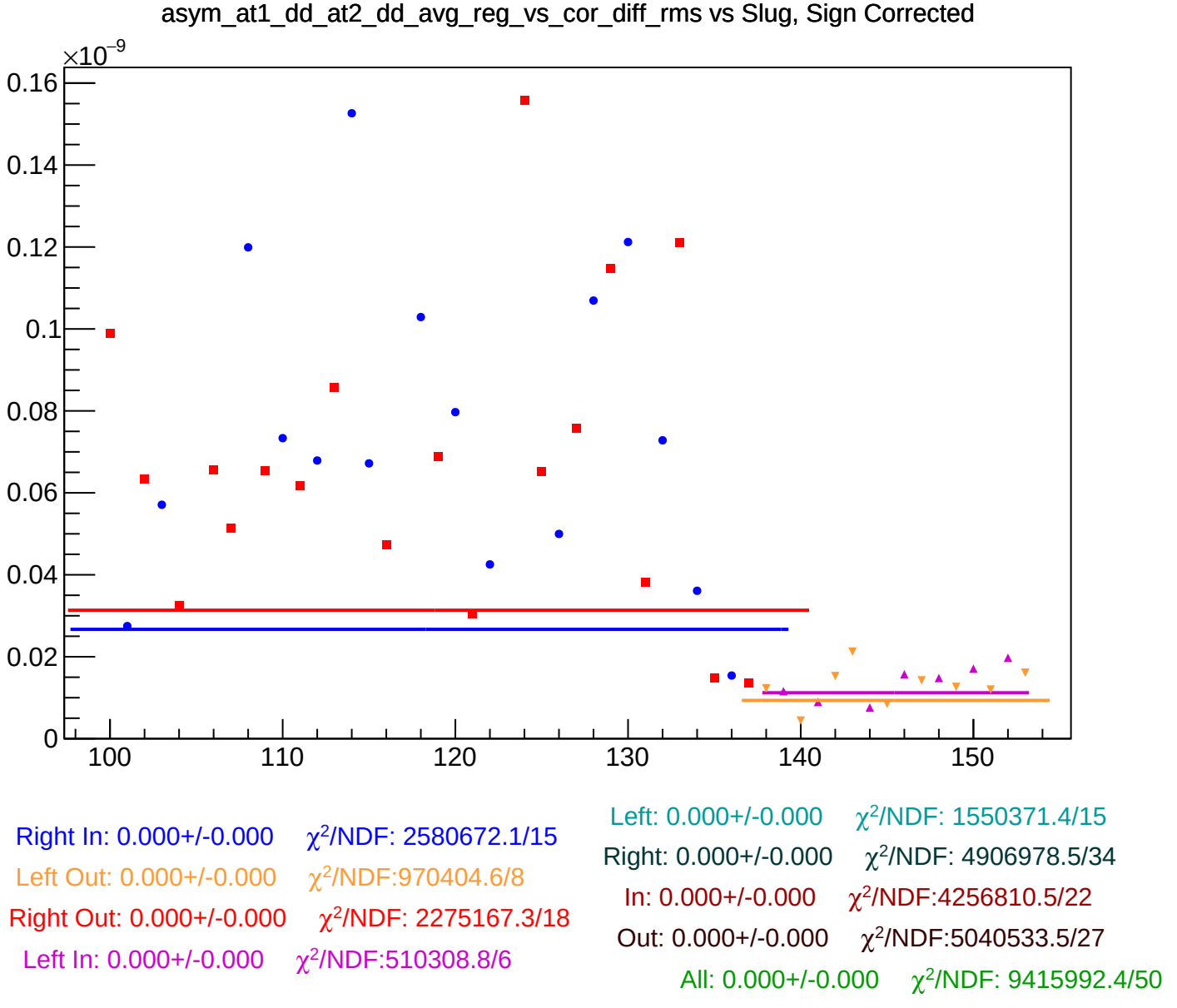
Left: 0.000+/-0.000 χ^2/NDF: 7.5/15

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

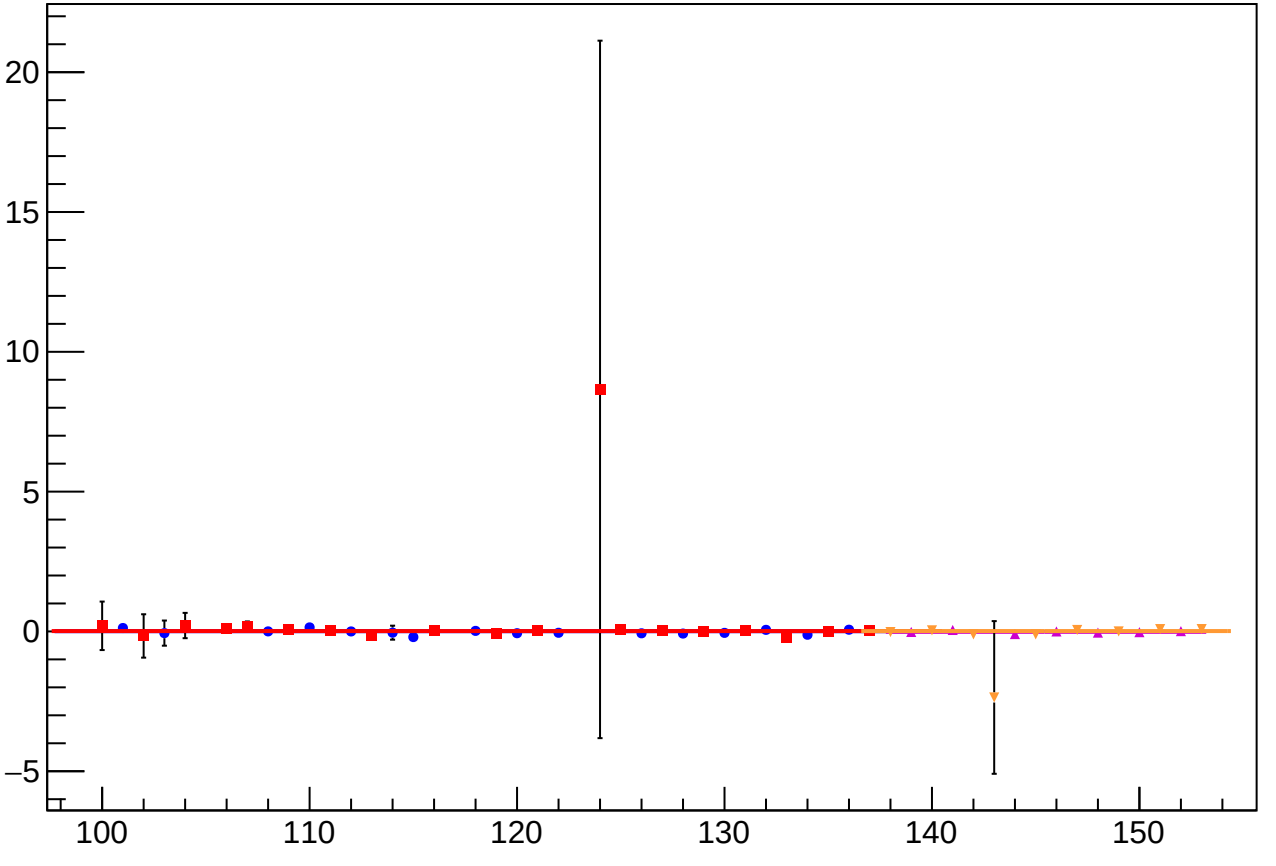
In: 0.000+/-0.000 χ^2/NDF:19.9/22

Out: -0.000+/-0.000 χ^2/NDF:33.6/27

All: 0.000+/-0.000 χ^2/NDF: 54.2/50


asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2580672.1/15
Left Out: 0.000+/-0.000 χ²/NDF:970404.6/8
Right Out: 0.000+/-0.000 χ²/NDF: 2275167.3/18
Left In: 0.000+/-0.000 χ²/NDF:510308.8/6
Left: 0.000+/-0.000 χ²/NDF: 1550371.4/15
Right: 0.000+/-0.000 χ²/NDF: 4906978.5/34
In: 0.000+/-0.000 χ²/NDF:4256810.5/22
Out: 0.000+/-0.000 χ²/NDF:5040533.5/27
All: 0.000+/-0.000 χ²/NDF: 9415992.4/50

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: 0.013+/-0.015 χ^2/NDF:13.8/8

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.015+/-0.015 χ^2/NDF:4.3/6

Left: -0.001+/-0.011 χ^2/NDF: 19.7/15

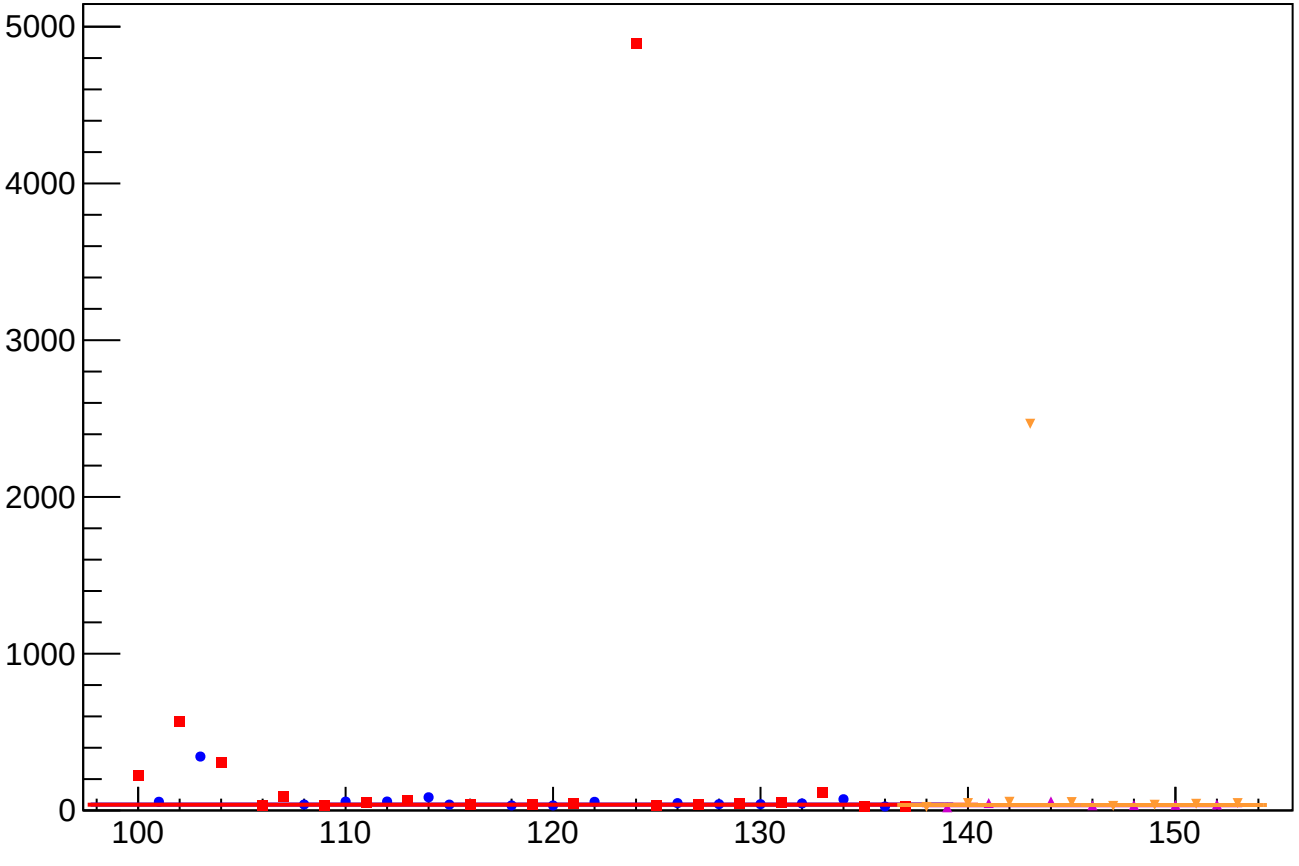
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.004+/-0.011 χ^2/NDF:24.7/22

Out: 0.013+/-0.011 χ^2/NDF:26.3/27

All: 0.004+/-0.008 χ^2/NDF: 52.2/50

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 34.750+/-0.011 χ^2/NDF:2595625.7/8

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 33.229+/-0.011 χ^2/NDF:938959.2/6

Left: 33.968+/-0.008 χ^2/NDF: 3544549.0/15

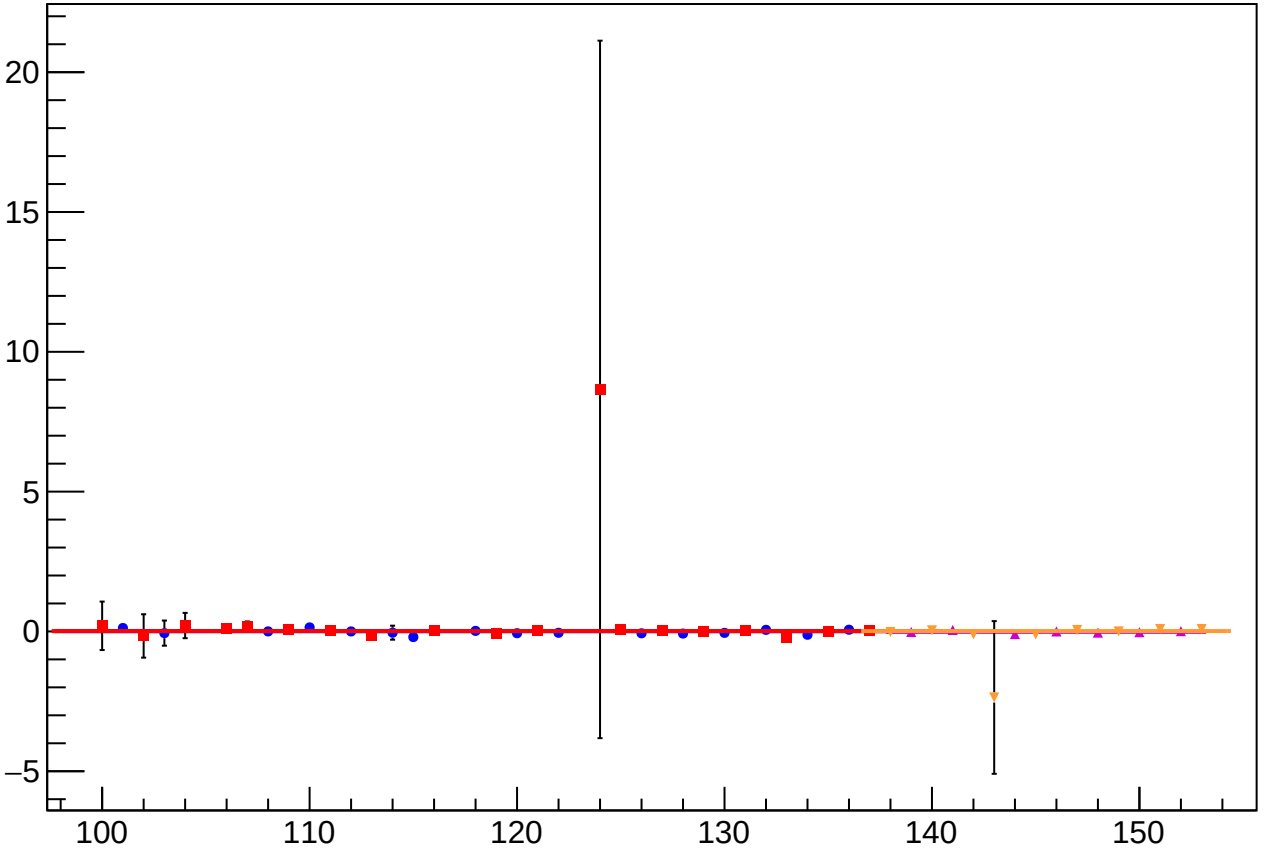
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 35.216+/-0.008 χ^2/NDF:2997396.5/22

Out: 35.685+/-0.008 χ^2/NDF:5802137.6/27

All: 35.443+/-0.006 χ^2/NDF: 8801300.8/50

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: 0.013+/-0.015 χ^2/NDF:13.8/8

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.015+/-0.015 χ^2/NDF:4.3/6

Left: -0.001+/-0.011 χ^2/NDF: 19.7/15

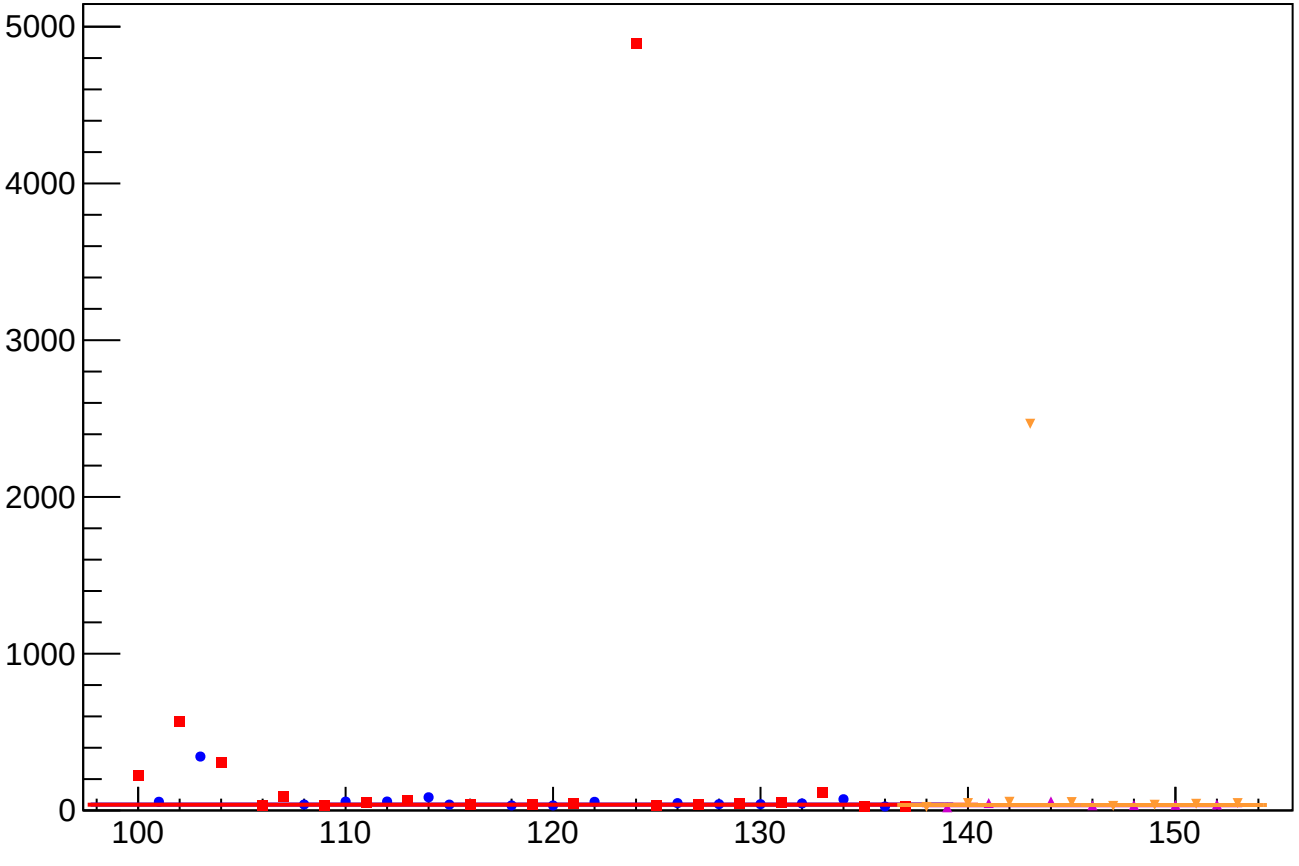
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.004+/-0.011 χ^2/NDF:24.7/22

Out: 0.013+/-0.011 χ^2/NDF:26.3/27

All: 0.004+/-0.008 χ^2/NDF: 52.2/50

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 34.750+/-0.011 χ^2/NDF:2595625.7/8

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 33.229+/-0.011 χ^2/NDF:938959.2/6

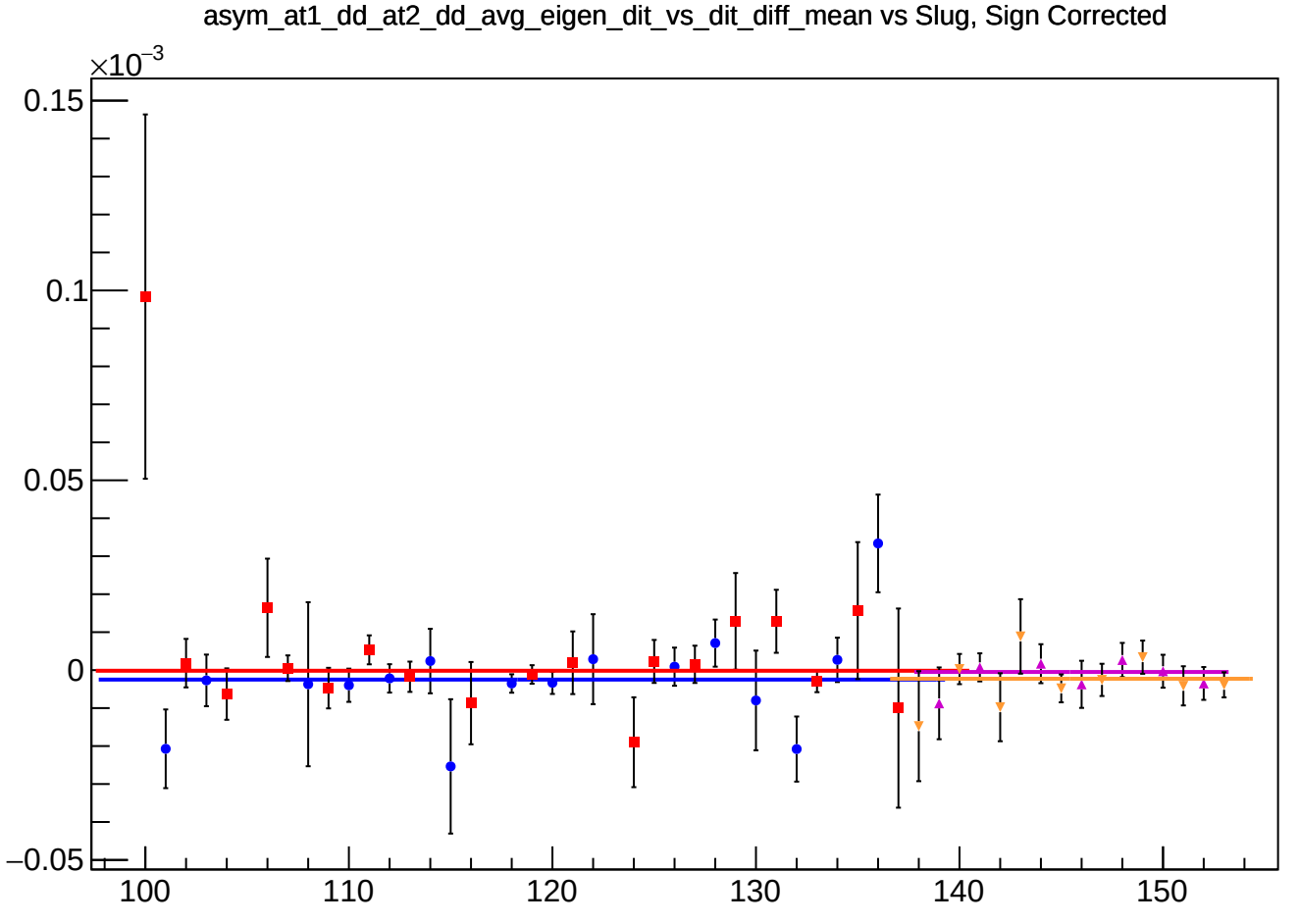
Left: 33.968+/-0.008 χ^2/NDF: 3544549.0/15

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 35.216+/-0.008 χ^2/NDF:2997396.5/22

Out: 35.685+/-0.008 χ^2/NDF:5802137.6/27

All: 35.443+/-0.006 χ^2/NDF: 8801300.8/50



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.7/8

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:2.3/6

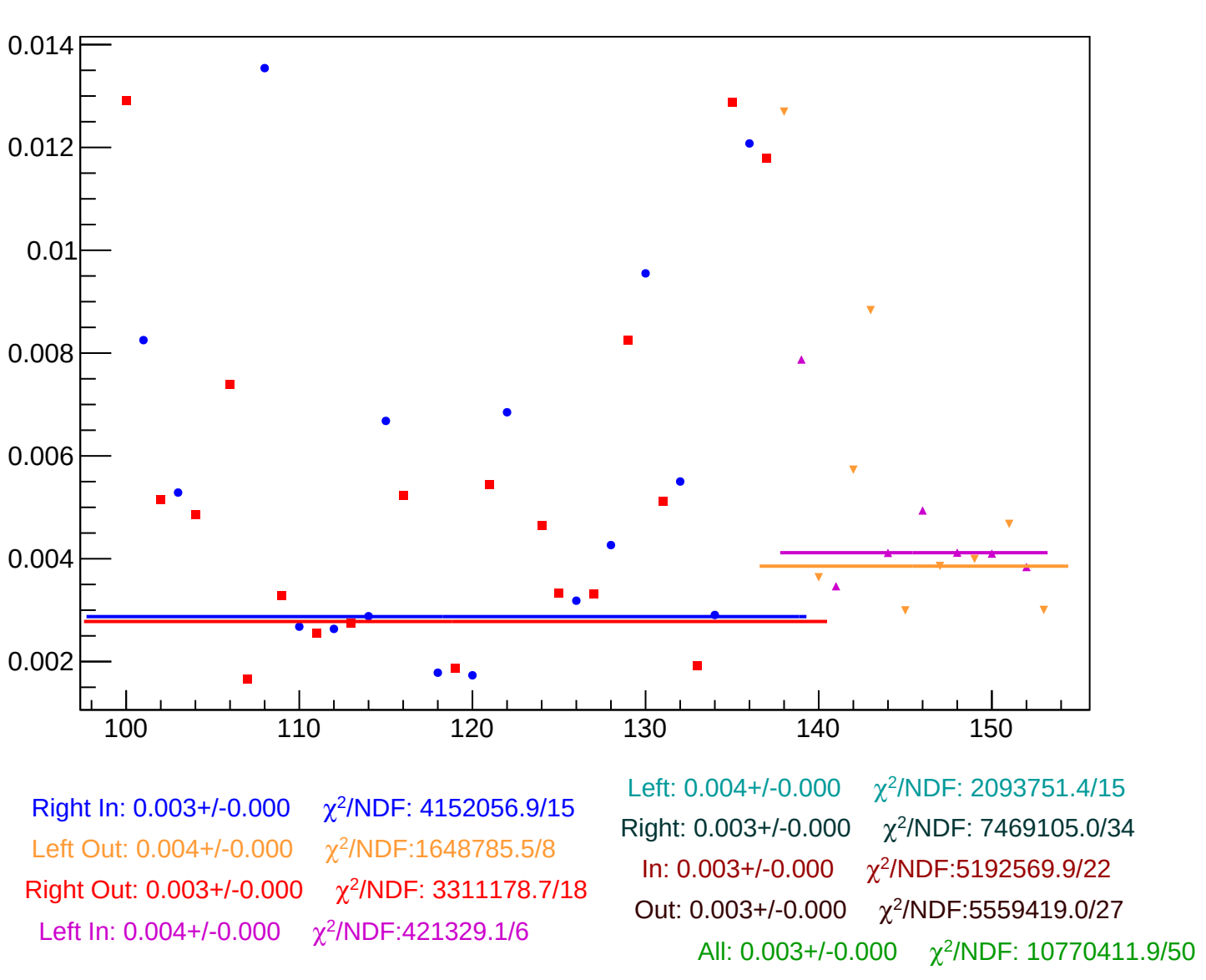
Left: -0.000+/-0.000 χ^2/NDF: 8.5/15

Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

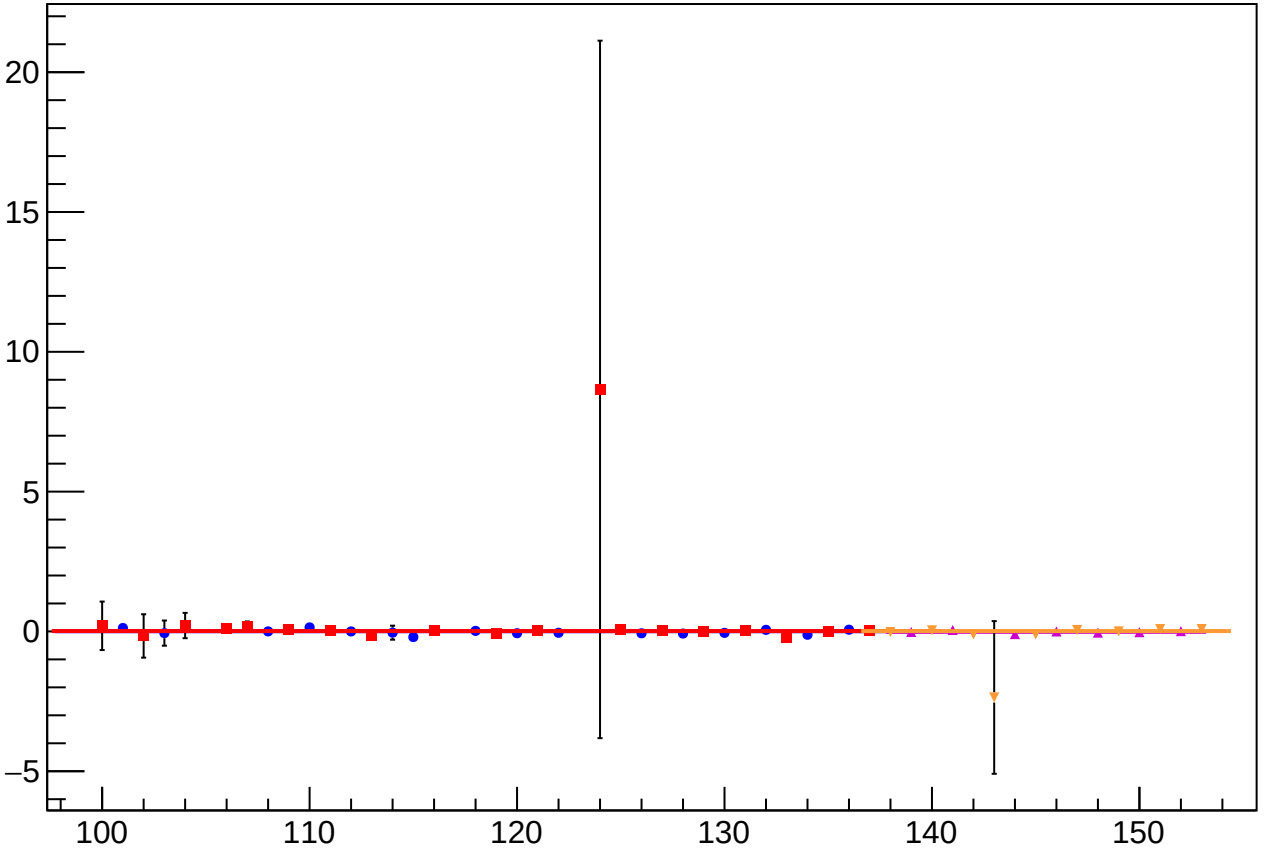
In: -0.000+/-0.000 χ^2/NDF:25.0/22

Out: -0.000+/-0.000 χ^2/NDF:25.7/27

All: -0.000+/-0.000 χ^2/NDF: 51.1/50


asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
Right In: 0.003+/-0.000 χ²/NDF: 4152056.9/15
Left Out: 0.004+/-0.000 χ²/NDF:1648785.5/8
Right Out: 0.003+/-0.000 χ²/NDF: 3311178.7/18
Left In: 0.004+/-0.000 χ²/NDF:421329.1/6
Left: 0.004+/-0.000 χ²/NDF: 2093751.4/15
Right: 0.003+/-0.000 χ²/NDF: 7469105.0/34
In: 0.003+/-0.000 χ²/NDF:5192569.9/22
Out: 0.003+/-0.000 χ²/NDF:5559419.0/27
All: 0.003+/-0.000 χ²/NDF: 10770411.9/50

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: 0.013+/-0.015 χ^2/NDF:13.8/8

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.015+/-0.015 χ^2/NDF:4.3/6

Left: -0.001+/-0.011 χ^2/NDF: 19.7/15

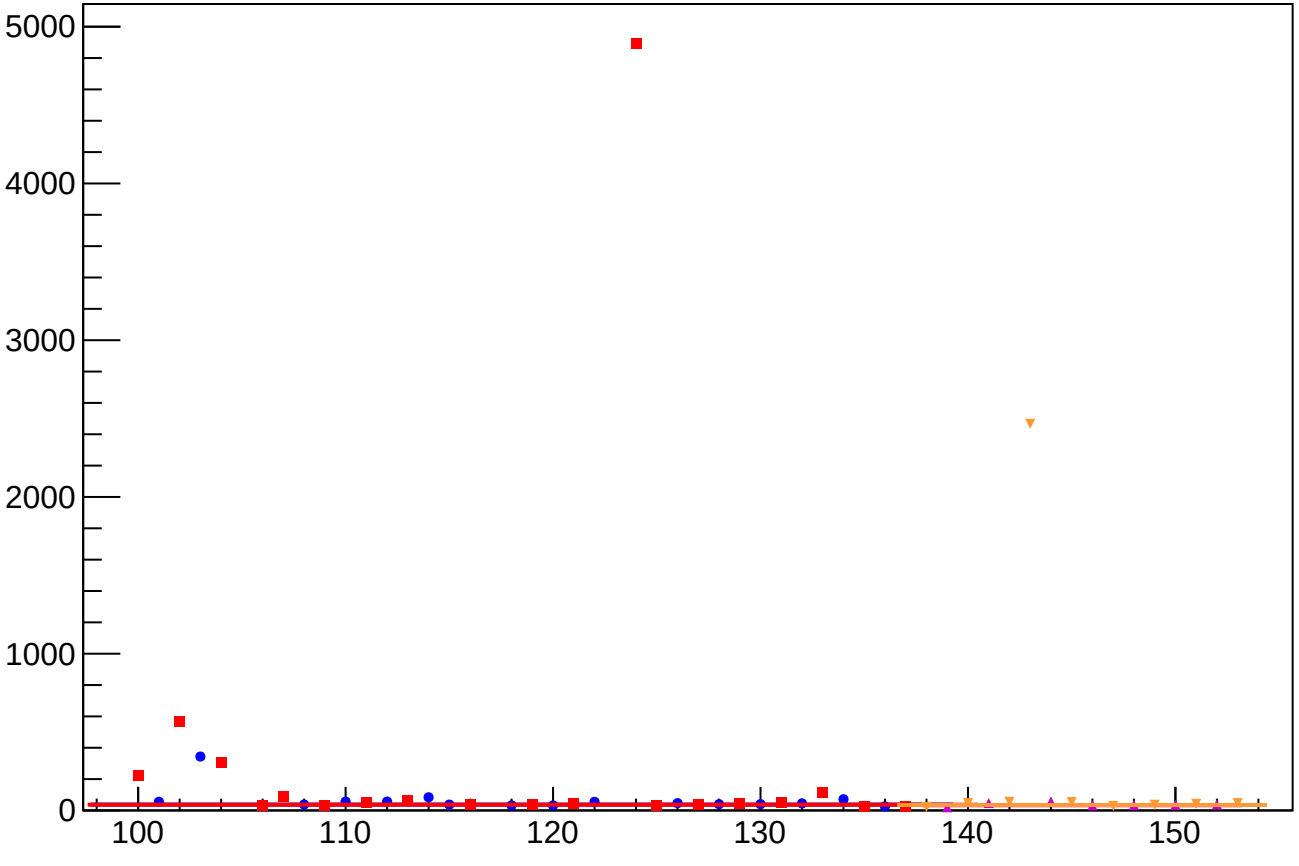
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.004+/-0.011 χ^2/NDF:24.7/22

Out: 0.013+/-0.011 χ^2/NDF:26.4/27

All: 0.004+/-0.008 χ^2/NDF: 52.2/50

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 34.747+/-0.011 χ^2/NDF:2596051.4/8

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 33.233+/-0.011 χ^2/NDF:938144.4/6

Left: 33.969+/-0.008 χ^2/NDF: 3544068.4/15

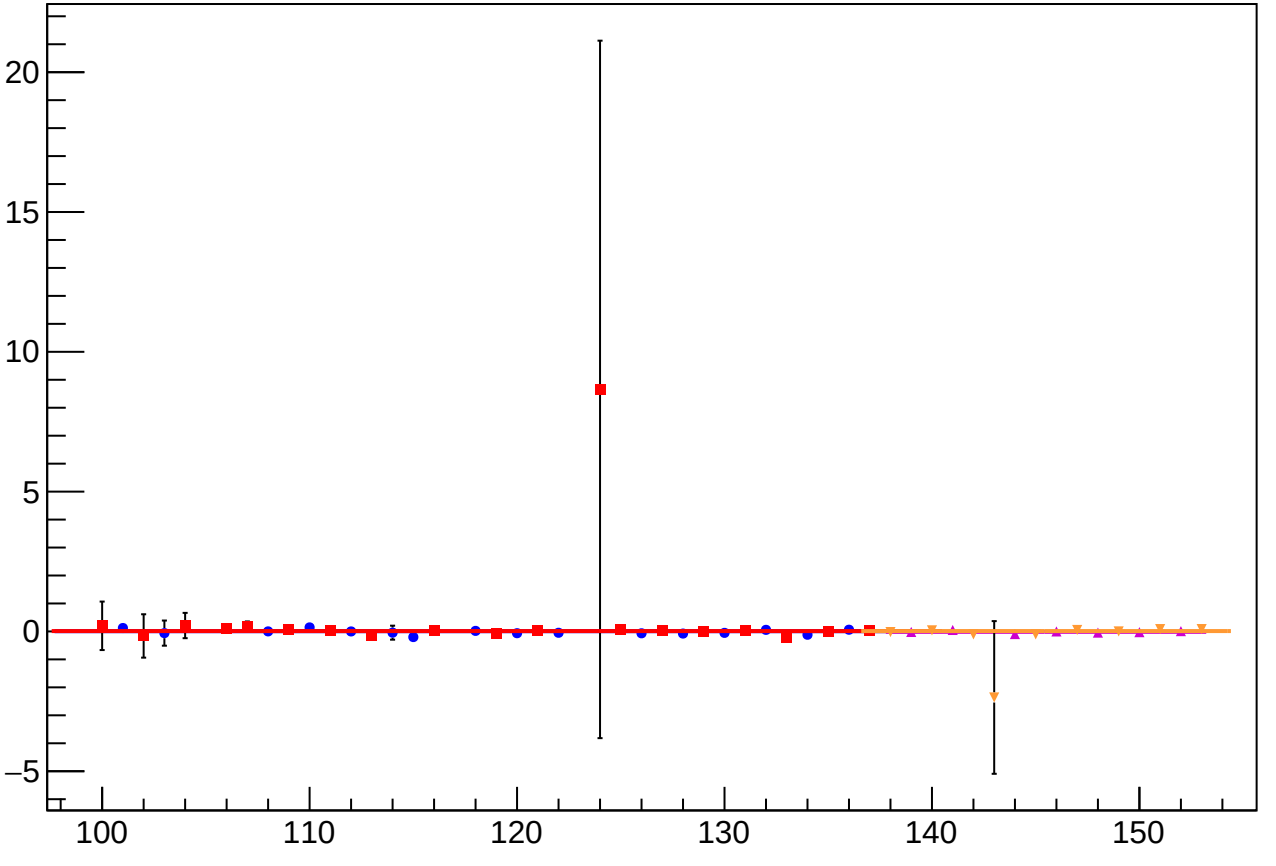
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 35.219+/-0.008 χ^2/NDF:2996382.3/22

Out: 35.684+/-0.008 χ^2/NDF:5802335.9/27

All: 35.444+/-0.006 χ^2/NDF: 8800459.4/50

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: 0.013+/-0.015 χ^2/NDF:13.8/8

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.015+/-0.015 χ^2/NDF:4.3/6

Left: -0.001+/-0.011 χ^2/NDF: 19.7/15

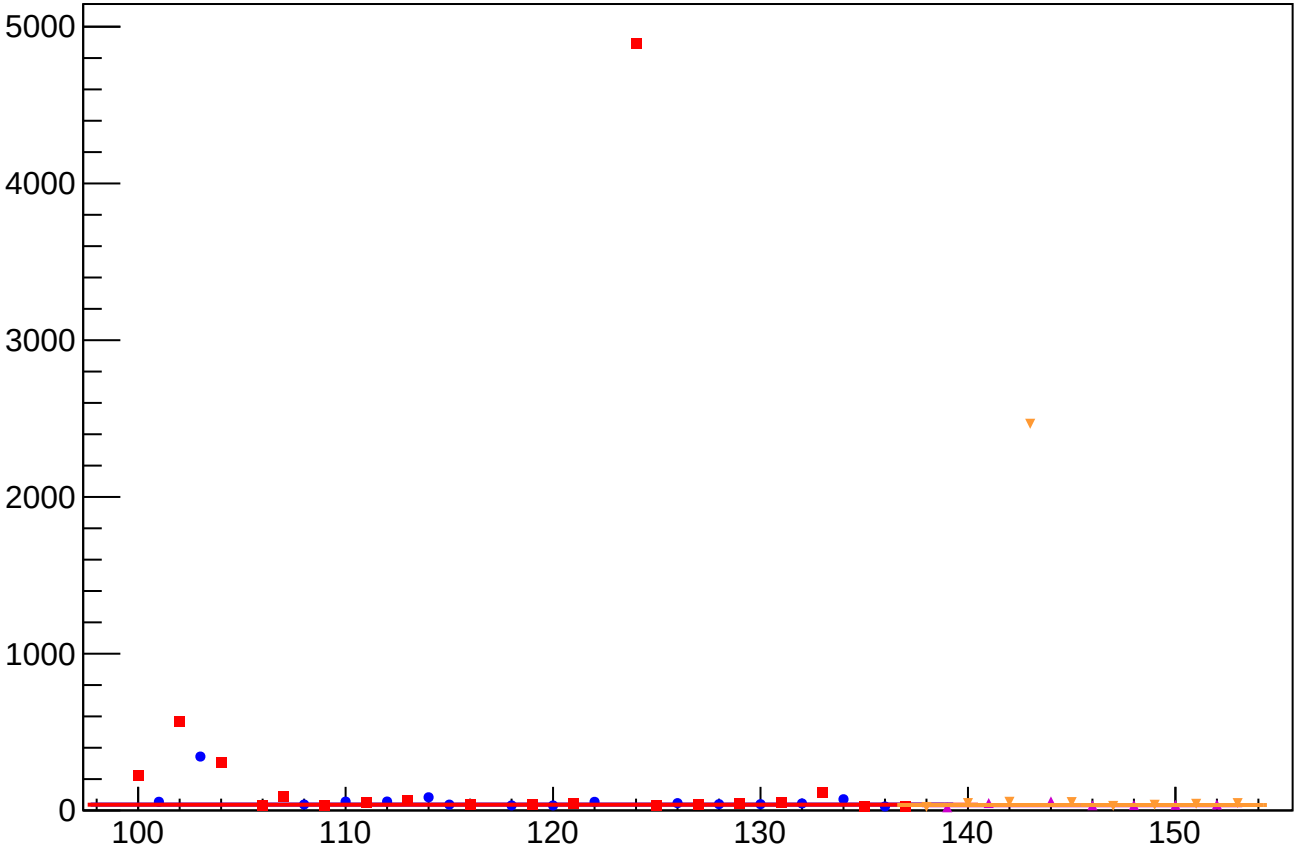
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.004+/-0.011 χ^2/NDF:24.7/22

Out: 0.013+/-0.011 χ^2/NDF:26.4/27

All: 0.004+/-0.008 χ^2/NDF: 52.2/50

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 34.747+/-0.011 χ^2/NDF:2596051.4/8

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 33.233+/-0.011 χ^2/NDF:938144.4/6

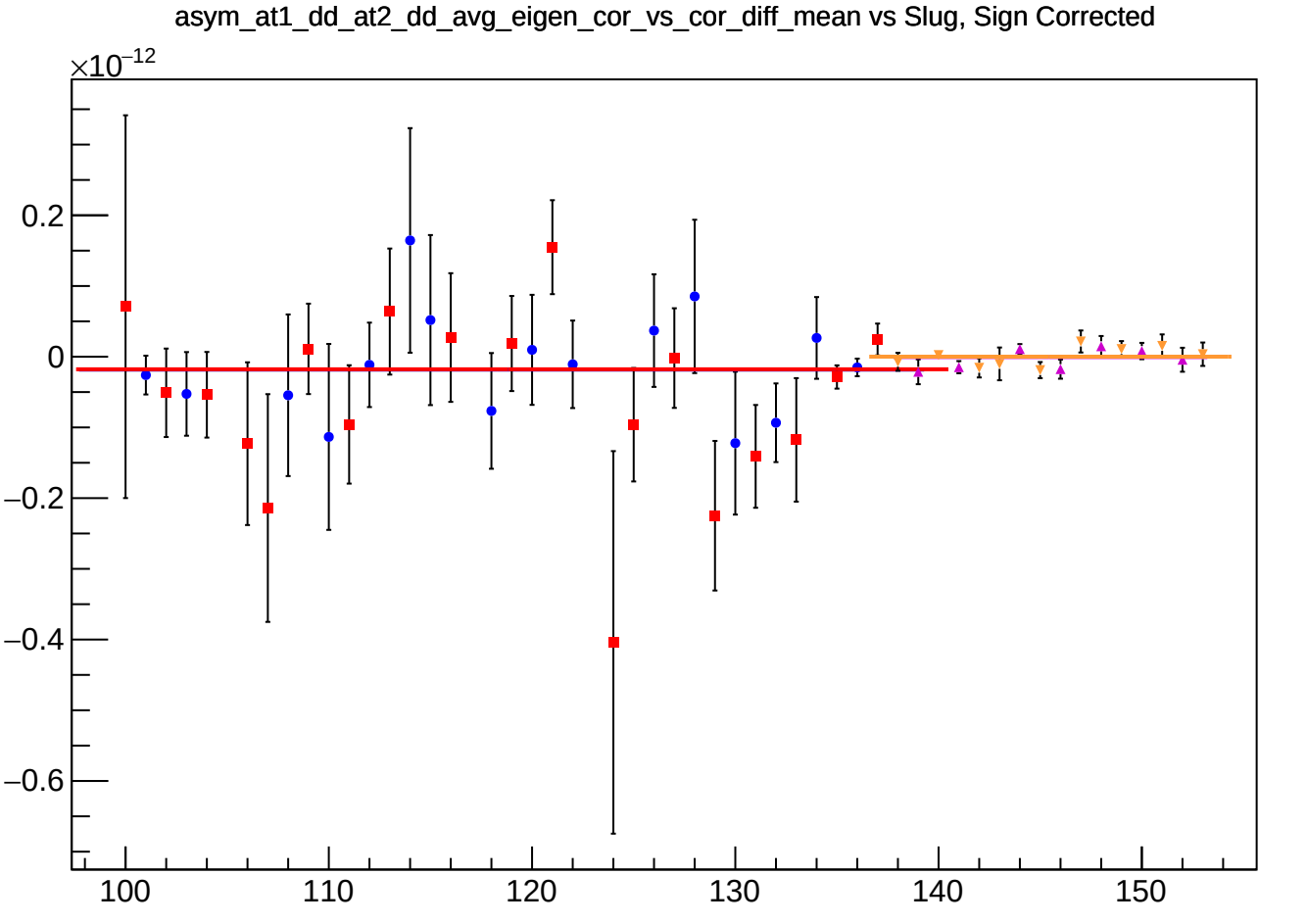
Left: 33.969+/-0.008 χ^2/NDF: 3544068.4/15

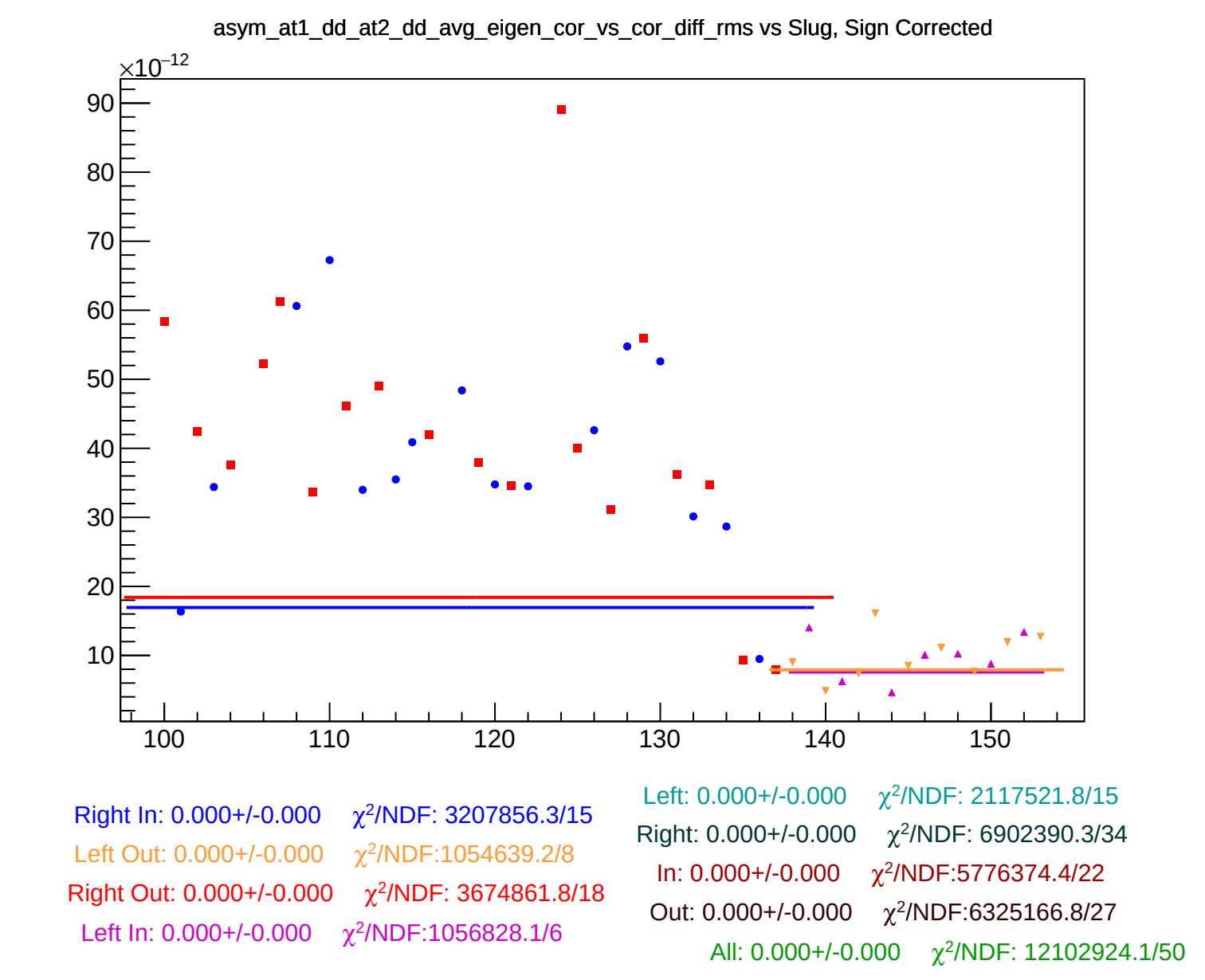
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

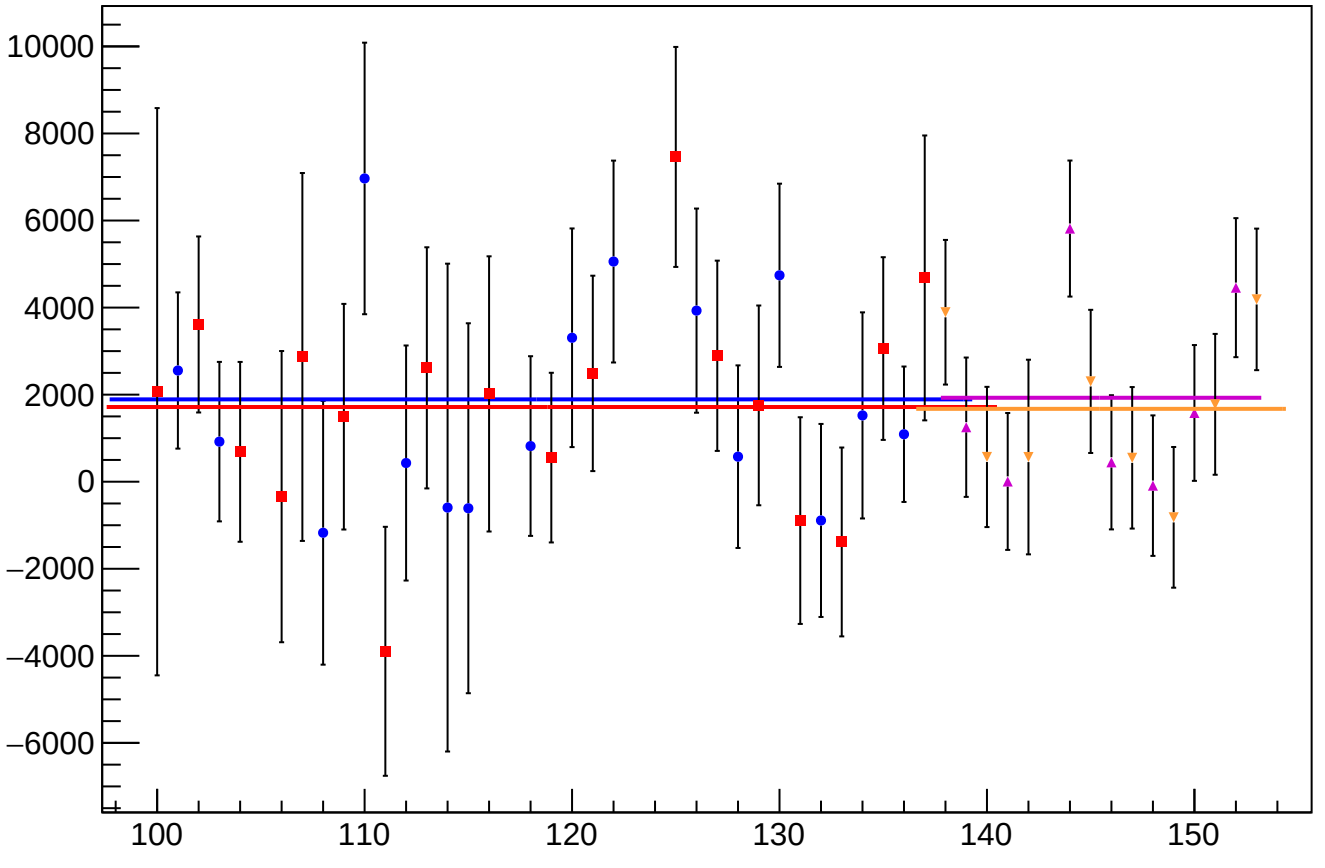
In: 35.219+/-0.008 χ^2/NDF:2996382.3/22

Out: 35.684+/-0.008 χ^2/NDF:5802335.9/27

All: 35.444+/-0.006 χ^2/NDF: 8800459.4/50


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 8.3/15
Left Out: 0.000+/-0.000 χ²/NDF:8.5/8
Right Out: -0.000+/-0.000 χ²/NDF: 27.3/18
Left In: -0.000+/-0.000 χ²/NDF:10.0/6
Left: -0.000+/-0.000 χ²/NDF: 18.5/15
Right: -0.000+/-0.000 χ²/NDF: 35.6/34
In: -0.000+/-0.000 χ²/NDF:21.1/22
Out: -0.000+/-0.000 χ²/NDF:38.0/27
All: -0.000+/-0.000 χ²/NDF: 59.1/50


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3207856.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1054639.2/8
Right Out: 0.000+/-0.000 χ²/NDF: 3674861.8/18
Left In: 0.000+/-0.000 χ²/NDF:1056828.1/6
Left: 0.000+/-0.000 χ²/NDF: 2117521.8/15
Right: 0.000+/-0.000 χ²/NDF: 6902390.3/34
In: 0.000+/-0.000 χ²/NDF:5776374.4/22
Out: 0.000+/-0.000 χ²/NDF:6325166.8/27
All: 0.000+/-0.000 χ²/NDF: 12102924.1/50



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1673.943+/-593.482 χ^2/NDF:7.9/7

Right Out: 1715.909+/-589.518 χ^2/NDF: 16.0/17

Left In: 1928.236+/-596.304 χ^2/NDF:12.9/6

Left: 1800.486+/-420.649 χ^2/NDF: 20.9/14

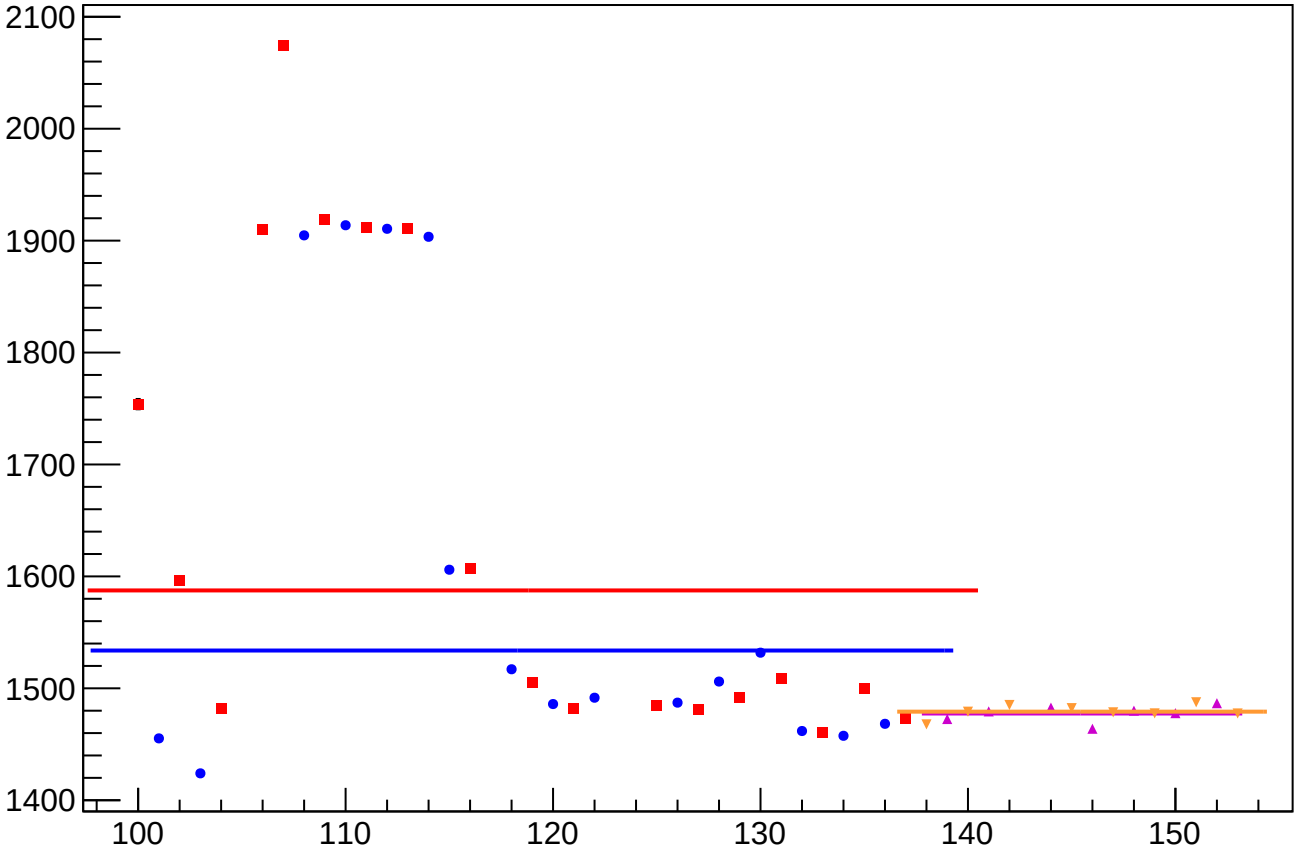
Right: 1806.293+/-410.609 χ^2/NDF: 28.2/33

In: 1909.090+/-412.882 χ^2/NDF:25.1/22

Out: 1695.066+/-418.247 χ^2/NDF:23.9/25

All: 1803.460+/-293.830 χ^2/NDF: 49.1/48

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1479.148+/-0.420 χ^2/NDF:172.6/7

Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1477.494+/-0.422 χ^2/NDF:272.0/6

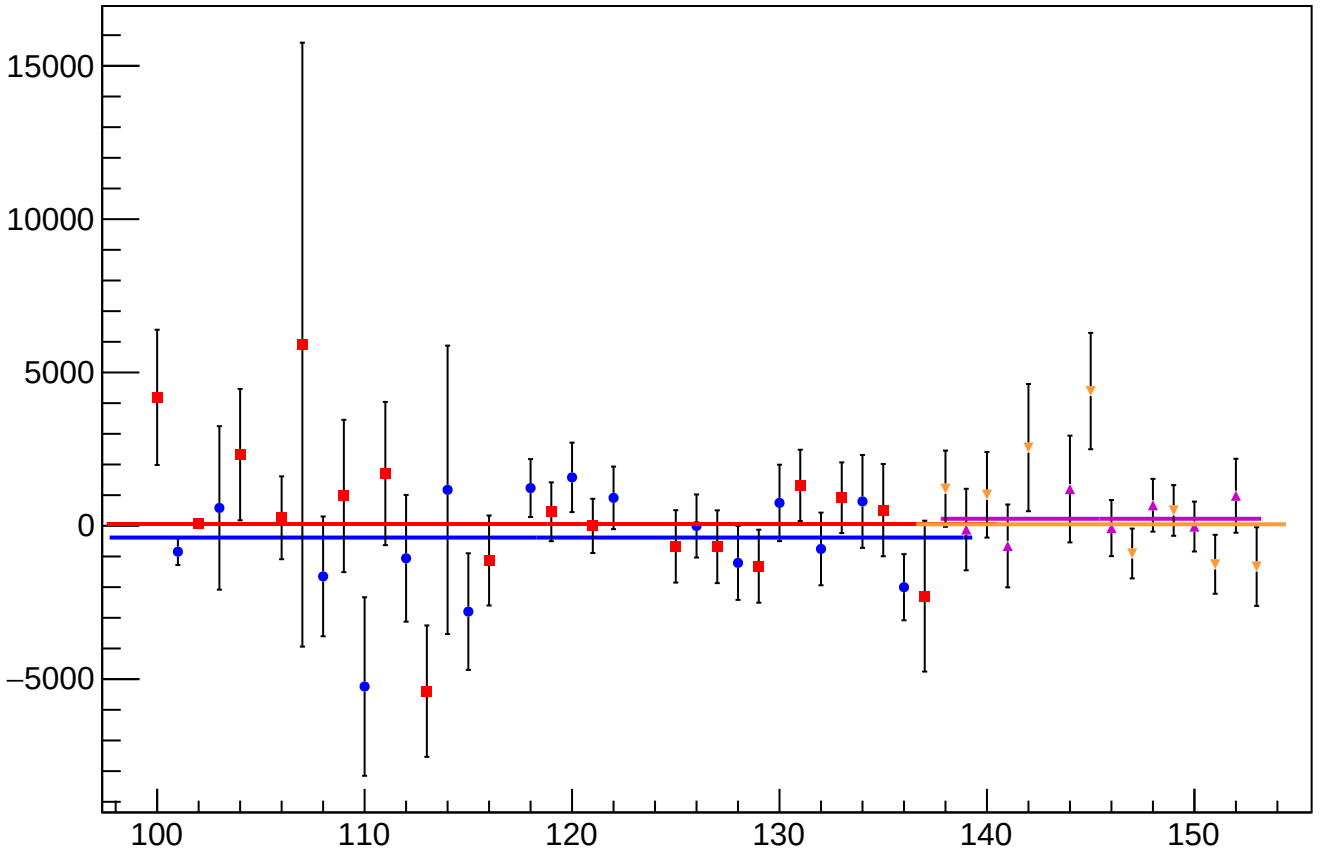
Left: 1478.325+/-0.297 χ^2/NDF: 452.4/14

Right: 1559.818+/-0.290 χ^2/NDF: 309801.2/33

In: 1506.790+/-0.292 χ^2/NDF:138817.2/22

Out: 1533.668+/-0.296 χ^2/NDF:205692.1/25

All: 1520.056+/-0.208 χ^2/NDF: 348692.1/48



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: 49.484+/-397.175 χ^2/NDF:12.7/7

Right Out: 59.970+/-127.700 χ^2/NDF: 17.8/17

Left In: 229.737+/-402.008 χ^2/NDF:1.7/6

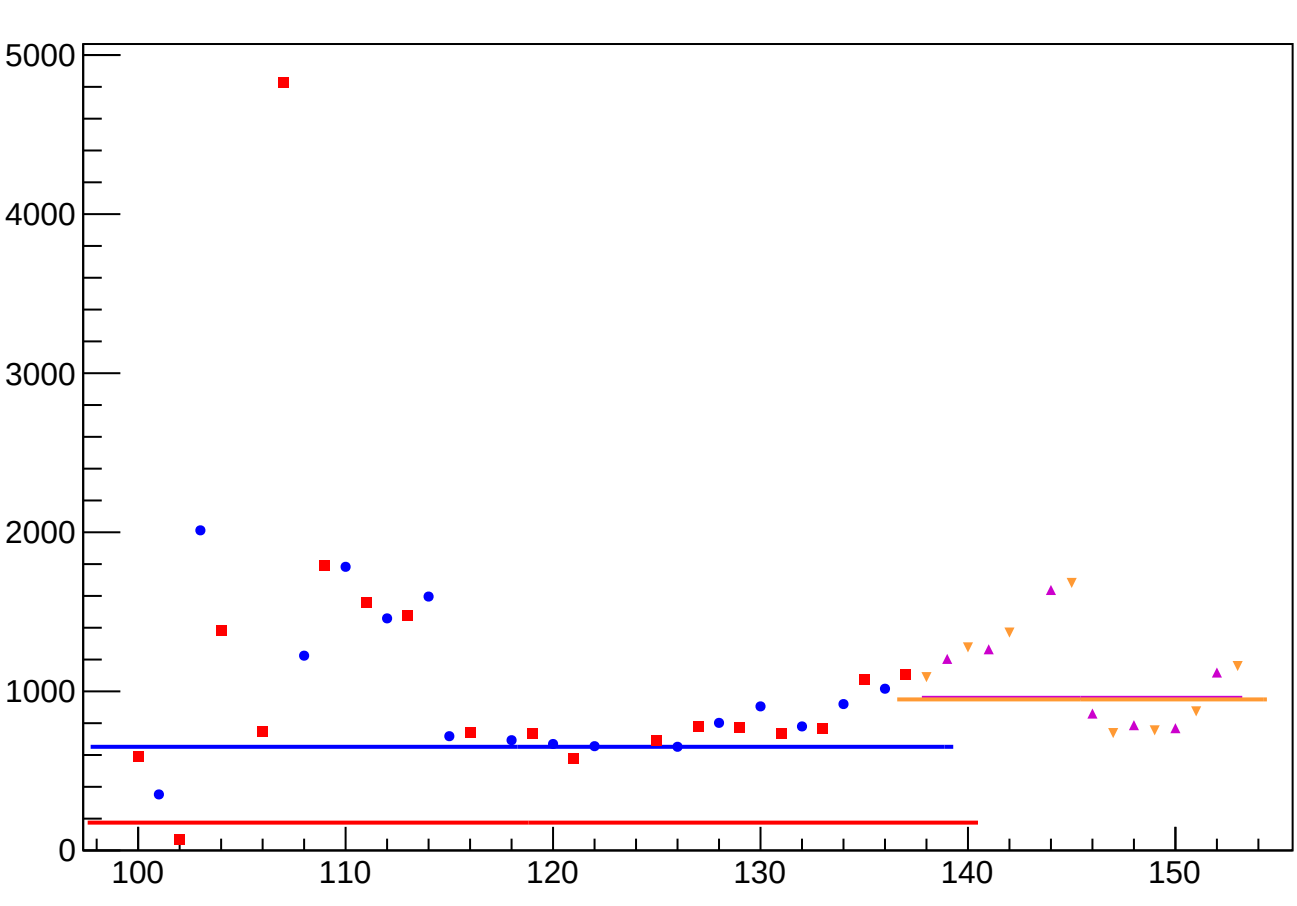
Left: 138.521+/-282.539 χ^2/NDF: 14.5/14

Right: -19.895+/-115.611 χ^2/NDF: 38.1/33

In: -190.233+/-225.398 χ^2/NDF:21.5/22

Out: 58.988+/-121.571 χ^2/NDF:30.5/25

All: 2.825+/-107.000 χ^2/NDF: 52.9/48



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 949.442+/-0.281 χ^2/NDF:826696.8/7

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

Left In: 959.451+/-0.284 χ^2/NDF:721449.6/6

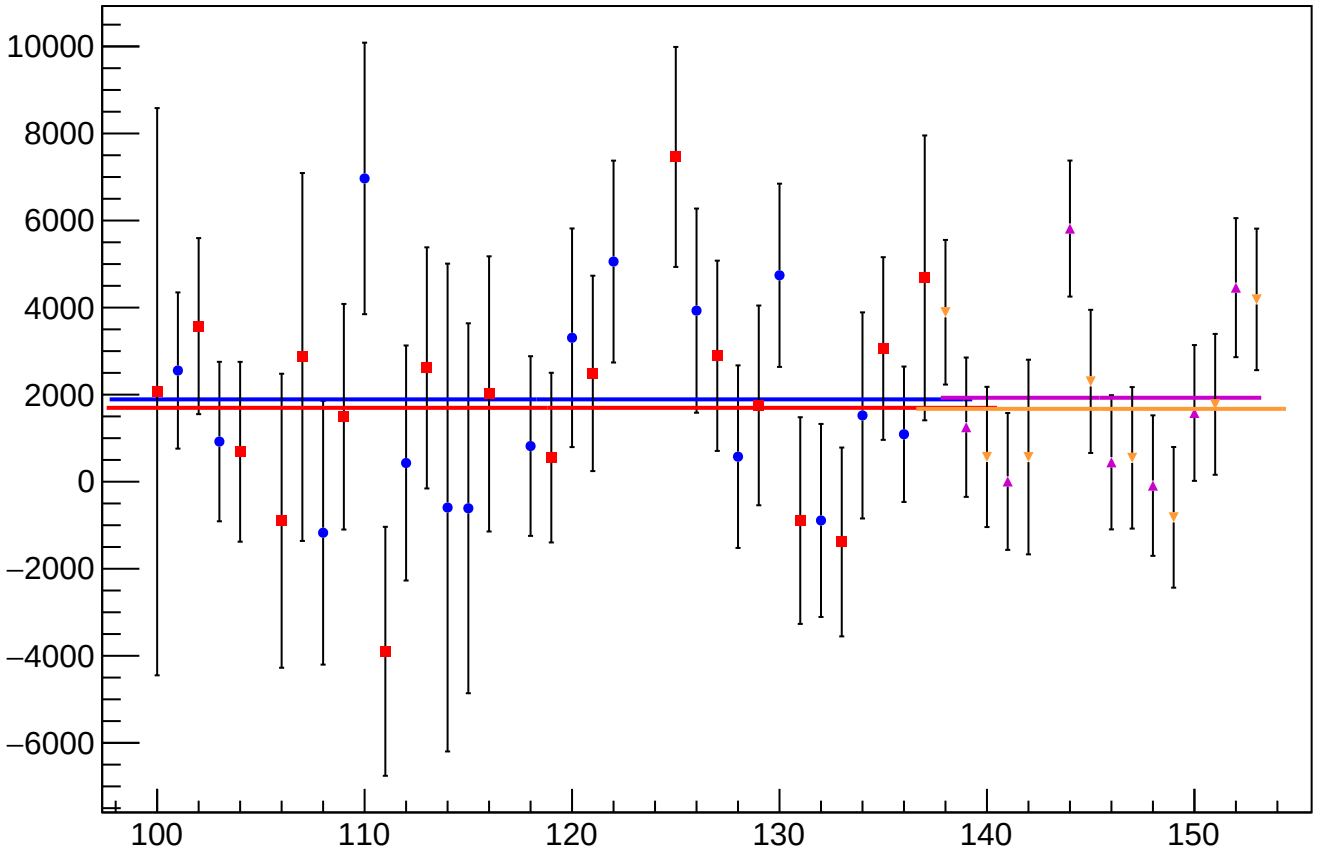
Left: 954.386+/-0.200 χ^2/NDF: 1548773.7/14

Right: 260.873+/-0.082 χ^2/NDF: 17549506.9/33

In: 748.324+/-0.159 χ^2/NDF:4288653.8/22

Out: 247.466+/-0.086 χ^2/NDF:17481329.3/25

All: 360.336+/-0.076 χ^2/NDF: 29419994.5/48



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1673.815+/-593.482 χ^2/NDF:7.9/7

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1928.376+/-596.304 χ^2/NDF:12.9/6

Left: 1800.492+/-420.649 χ^2/NDF: 20.9/14

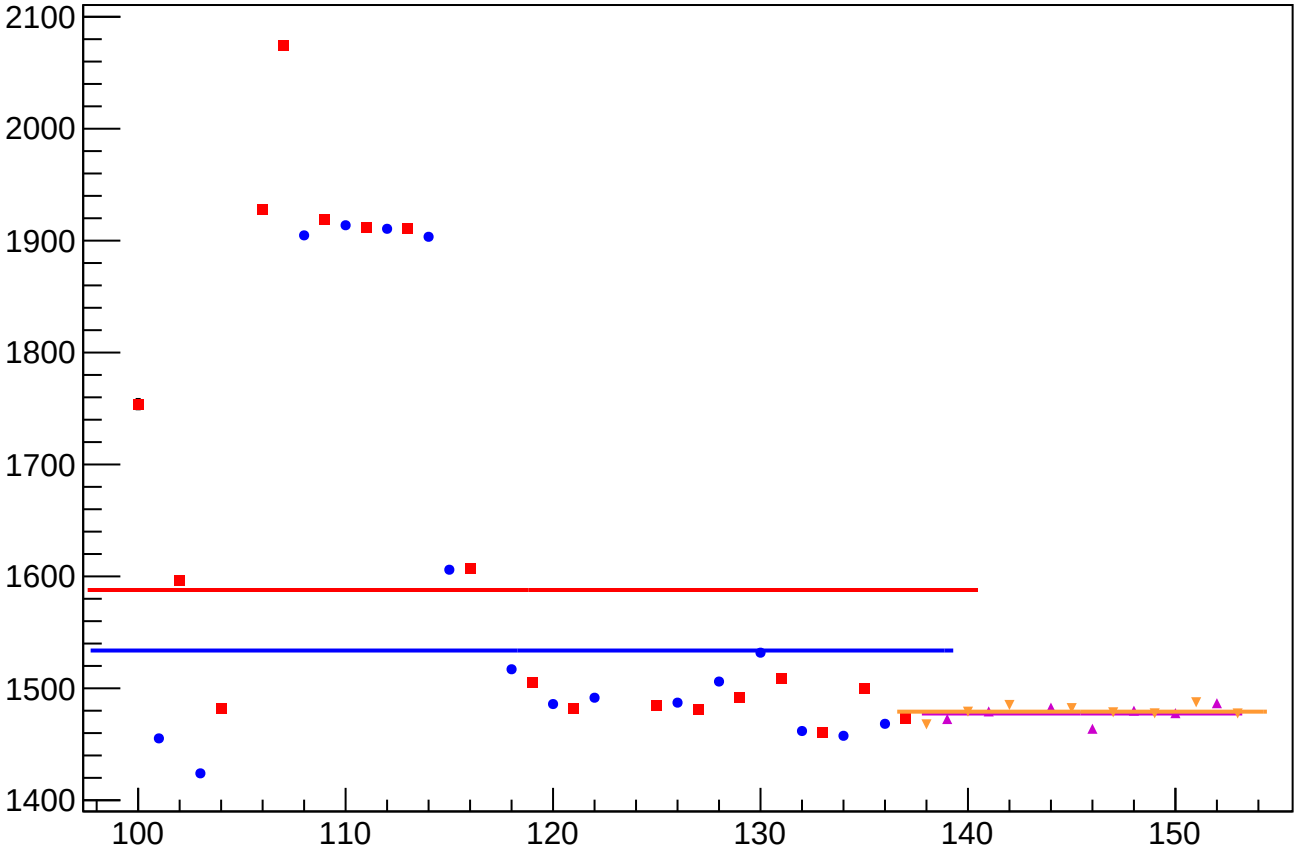
Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1909.211+/-412.882 χ^2/NDF:25.1/22

Out: 1685.475+/-418.311 χ^2/NDF:24.1/25

All: 1798.805+/-293.852 χ^2/NDF: 49.3/48

cor_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1479.148+/-0.420 χ^2/NDF:172.6/7

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1477.494+/-0.422 χ^2/NDF:272.0/6

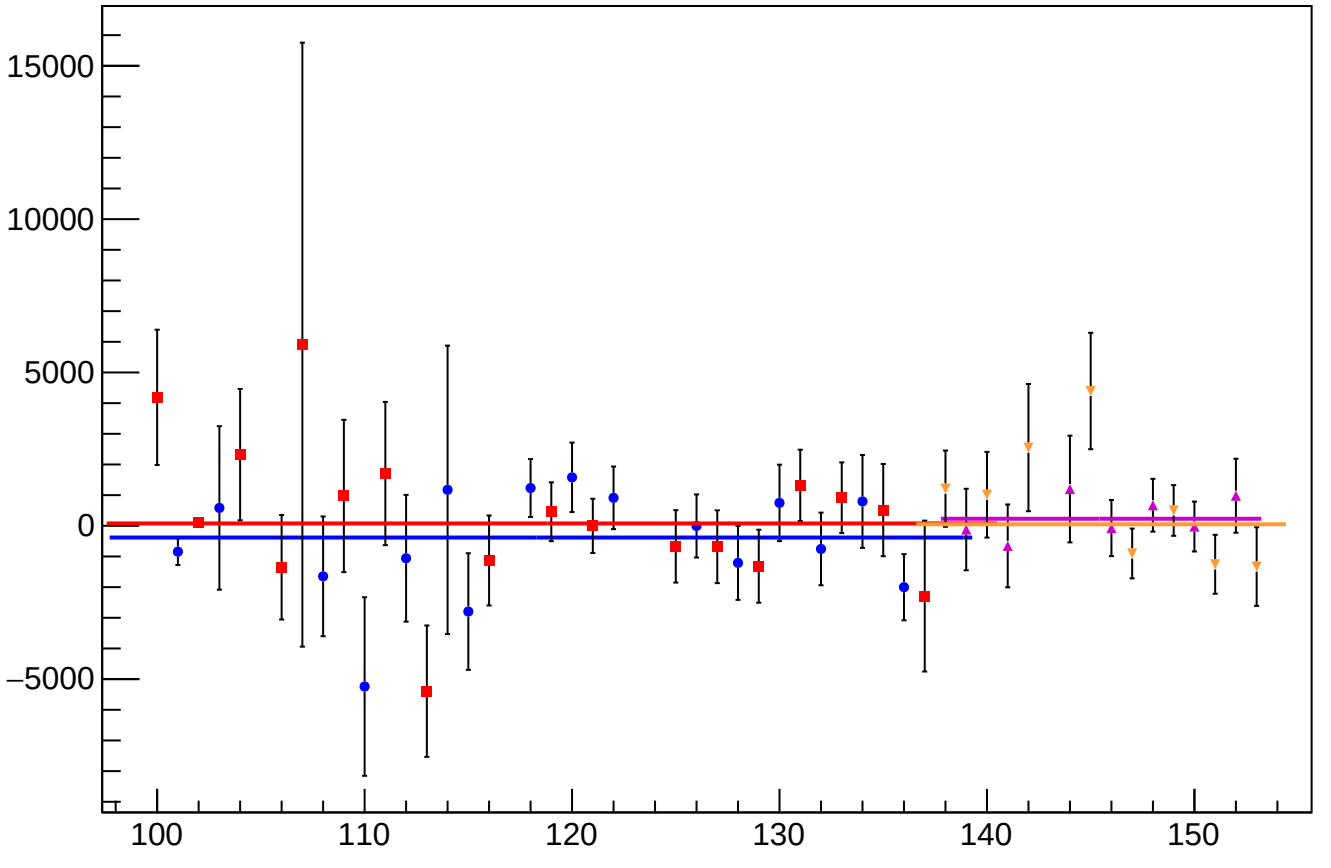
Left: 1478.325+/-0.297 χ^2/NDF: 452.4/14

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1506.790+/-0.292 χ^2/NDF:138817.1/22

Out: 1533.845+/-0.296 χ^2/NDF:207699.1/25

All: 1520.141+/-0.208 χ^2/NDF: 350753.8/48



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: 49.273+/-397.179 χ^2/NDF:12.7/7

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 229.798+/-402.008 χ^2/NDF:1.7/6

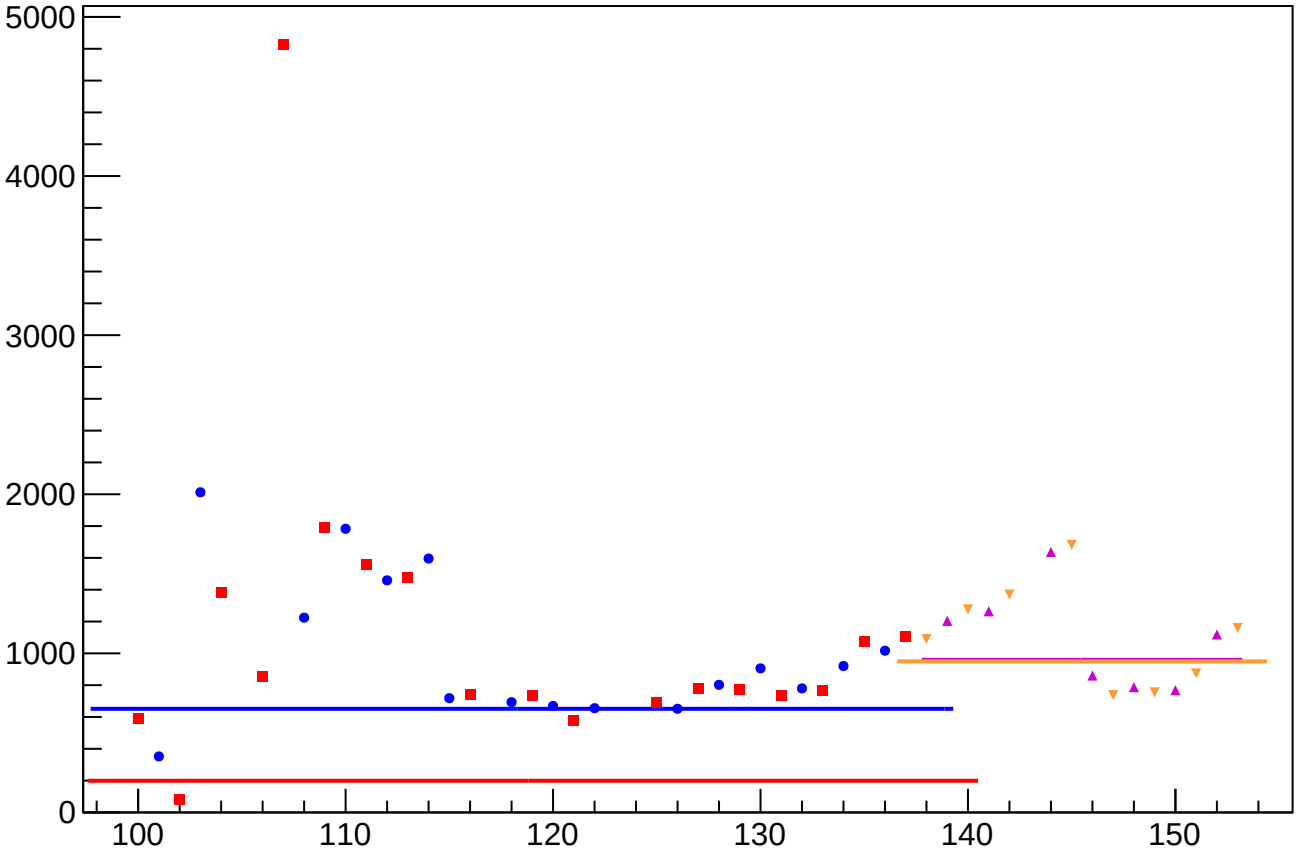
Left: 138.445+/-282.540 χ^2/NDF: 14.5/14

Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -190.196+/-225.398 χ^2/NDF:21.5/22

Out: 73.789+/-130.471 χ^2/NDF:31.2/25

All: 7.535+/-112.918 χ^2/NDF: 53.7/48



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 949.451+/-0.281 χ^2/NDF:826676.8/7

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 959.447+/-0.284 χ^2/NDF:721472.9/6

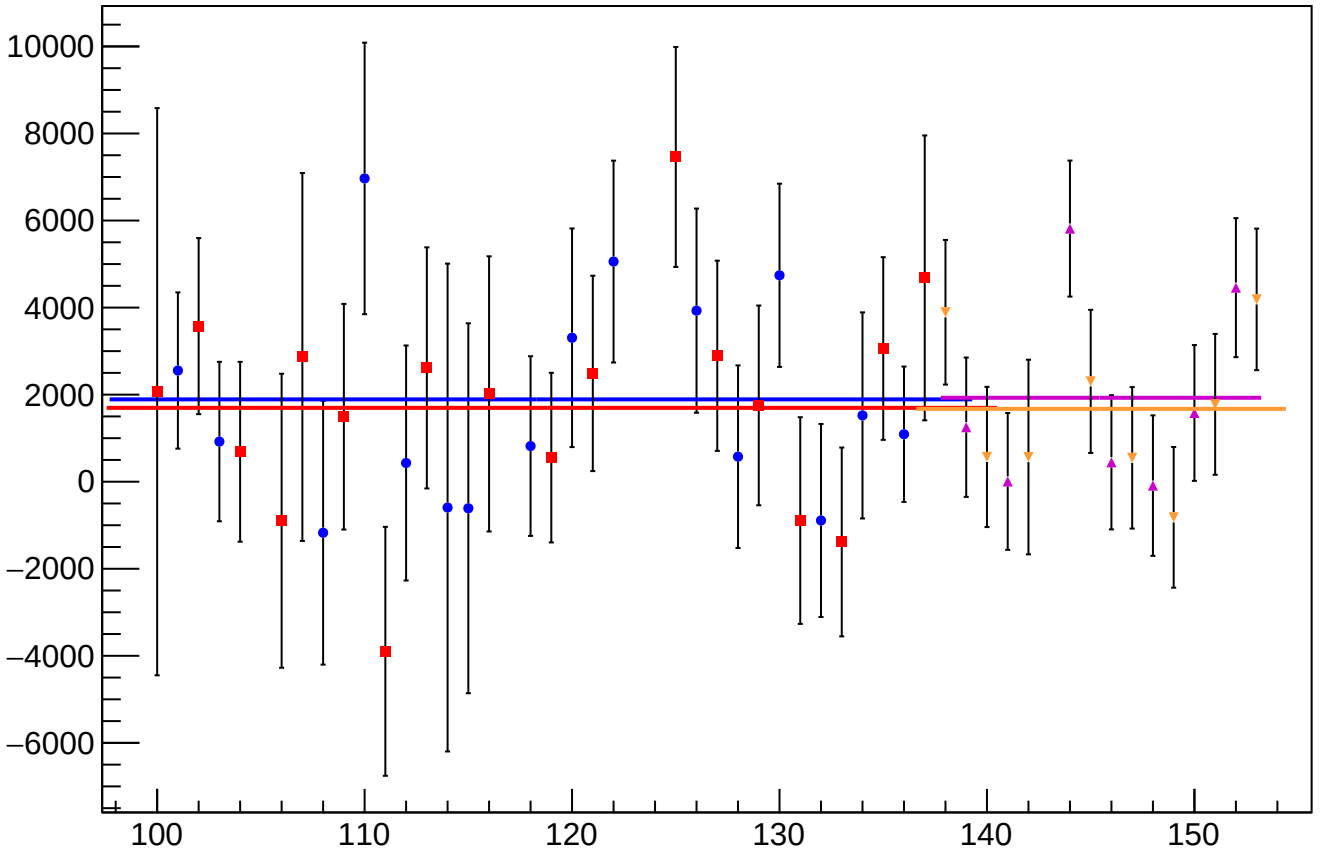
Left: 954.389+/-0.200 χ^2/NDF: 1548775.5/14

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 748.322+/-0.159 χ^2/NDF:4288695.6/22

Out: 280.287+/-0.092 χ^2/NDF:16475237.9/25

All: 397.751+/-0.080 χ^2/NDF: 27223208.5/48



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1673.815+/-593.482 χ^2/NDF:7.9/7

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1928.376+/-596.304 χ^2/NDF:12.9/6

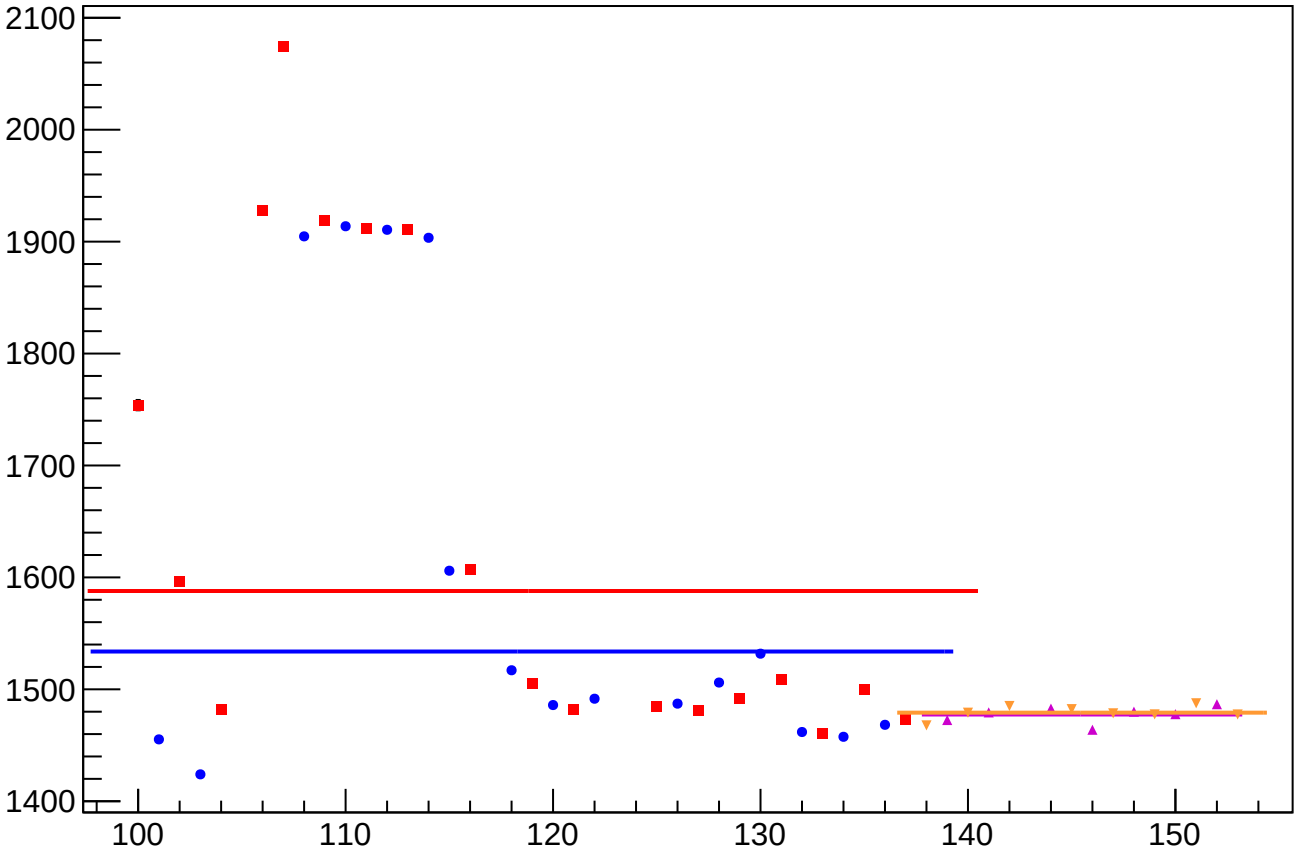
Left: 1800.492+/-420.649 χ^2/NDF: 20.9/14

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1909.211+/-412.882 χ^2/NDF:25.1/22

Out: 1685.475+/-418.311 χ^2/NDF:24.1/25

All: 1798.805+/-293.852 χ^2/NDF: 49.3/48



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1479.148+/-0.420 χ^2/NDF:172.6/7

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1477.494+/-0.422 χ^2/NDF:272.0/6

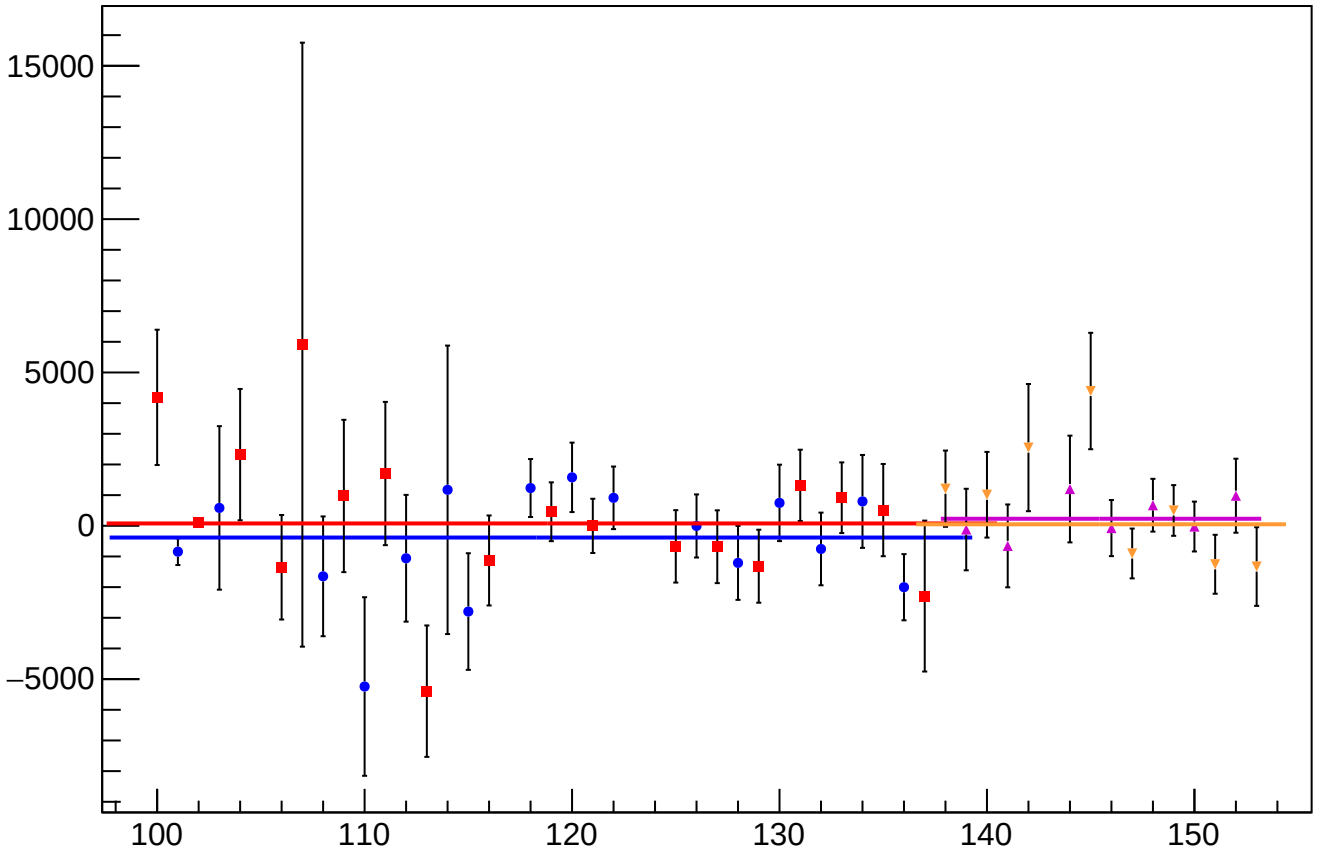
Left: 1478.325+/-0.297 χ^2/NDF: 452.4/14

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1506.790+/-0.292 χ^2/NDF:138817.1/22

Out: 1533.845+/-0.296 χ^2/NDF:207699.1/25

All: 1520.141+/-0.208 χ^2/NDF: 350753.8/48



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: 49.273+/-397.179 χ^2/NDF:12.7/7

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 229.798+/-402.008 χ^2/NDF:1.7/6

Left: 138.445+/-282.540 χ^2/NDF: 14.5/14

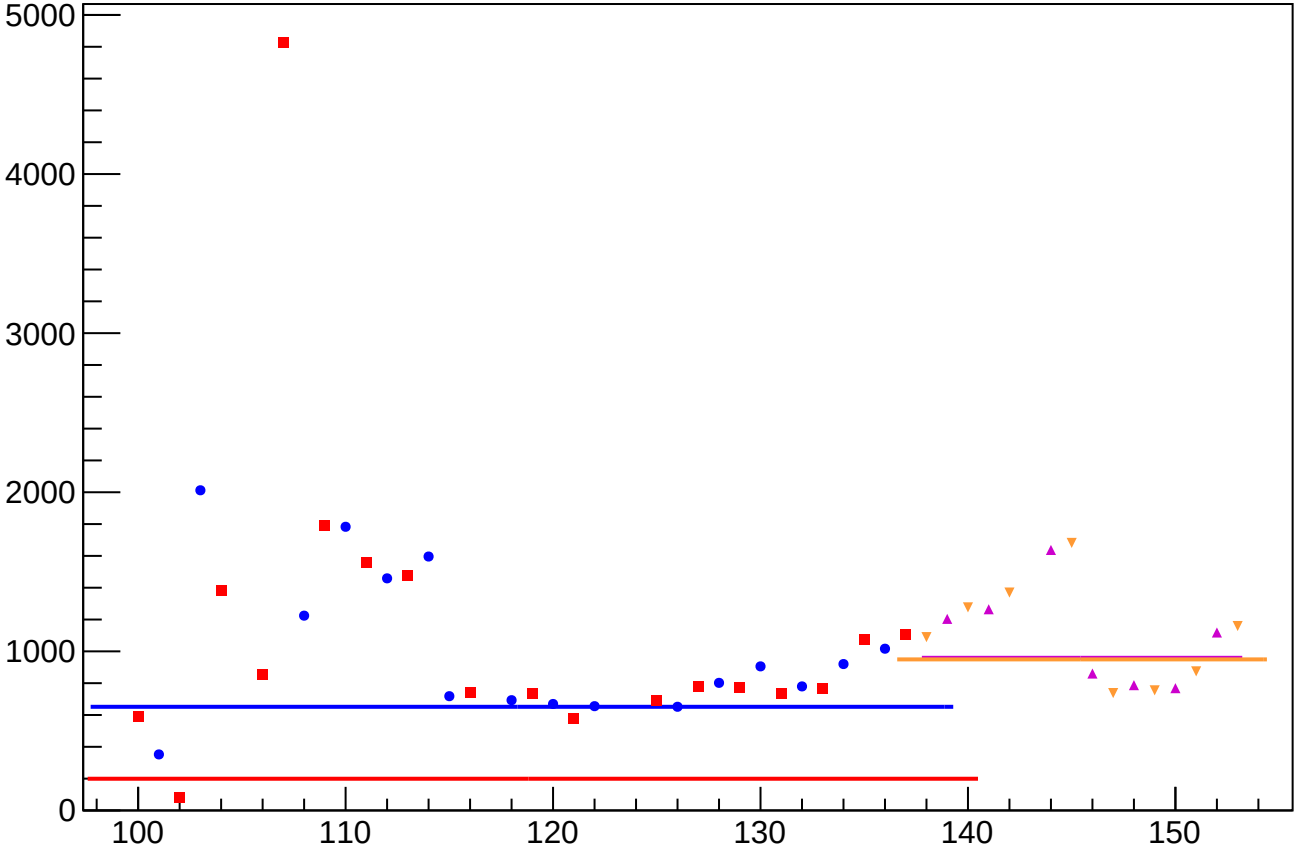
Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -190.196+/-225.398 χ^2/NDF:21.5/22

Out: 73.789+/-130.471 χ^2/NDF:31.2/25

All: 7.535+/-112.918 χ^2/NDF: 53.7/48

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 949.451+/-0.281 χ^2/NDF:826676.8/7

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 959.447+/-0.284 χ^2/NDF:721472.9/6

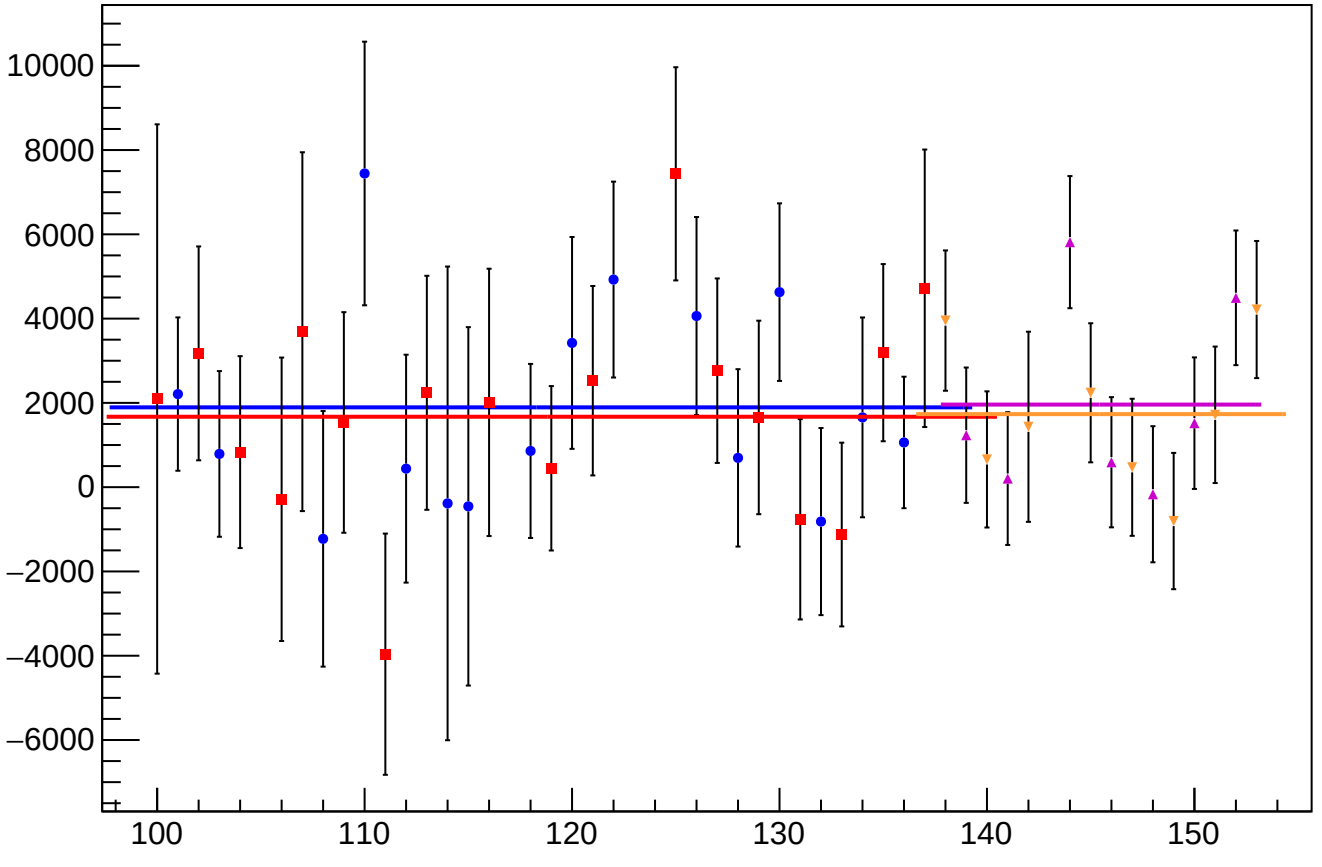
Left: 954.389+/-0.200 χ^2/NDF: 1548775.5/14

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 748.322+/-0.159 χ^2/NDF:4288695.6/22

Out: 280.287+/-0.092 χ^2/NDF:16475237.9/25

All: 397.751+/-0.080 χ^2/NDF: 27223208.5/48



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 1733.038+/-594.756 χ^2/NDF:7.7/7

Right Out: 1670.933+/-604.838 χ^2/NDF: 15.0/17

Left In: 1959.894+/-597.379 χ^2/NDF:12.6/6

Left: 1845.967+/-421.480 χ^2/NDF: 20.4/14

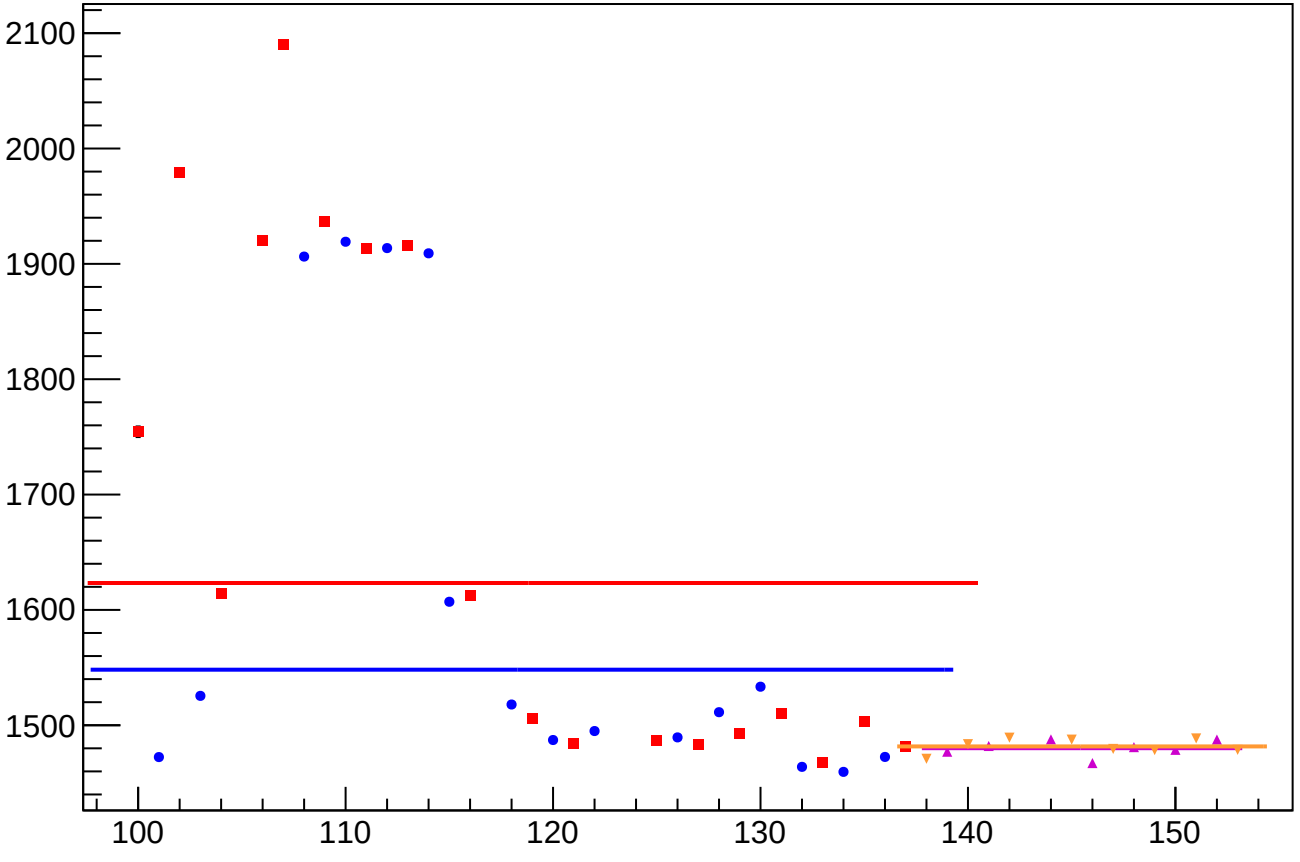
Right: 1787.686+/-417.734 χ^2/NDF: 27.4/33

In: 1925.928+/-415.252 χ^2/NDF:24.9/22

Out: 1702.508+/-424.076 χ^2/NDF:22.8/25

All: 1816.566+/-296.698 χ^2/NDF: 47.8/48

dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1481.657+/-0.421 χ^2/NDF:188.4/7

Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 1480.119+/-0.422 χ^2/NDF:243.1/6

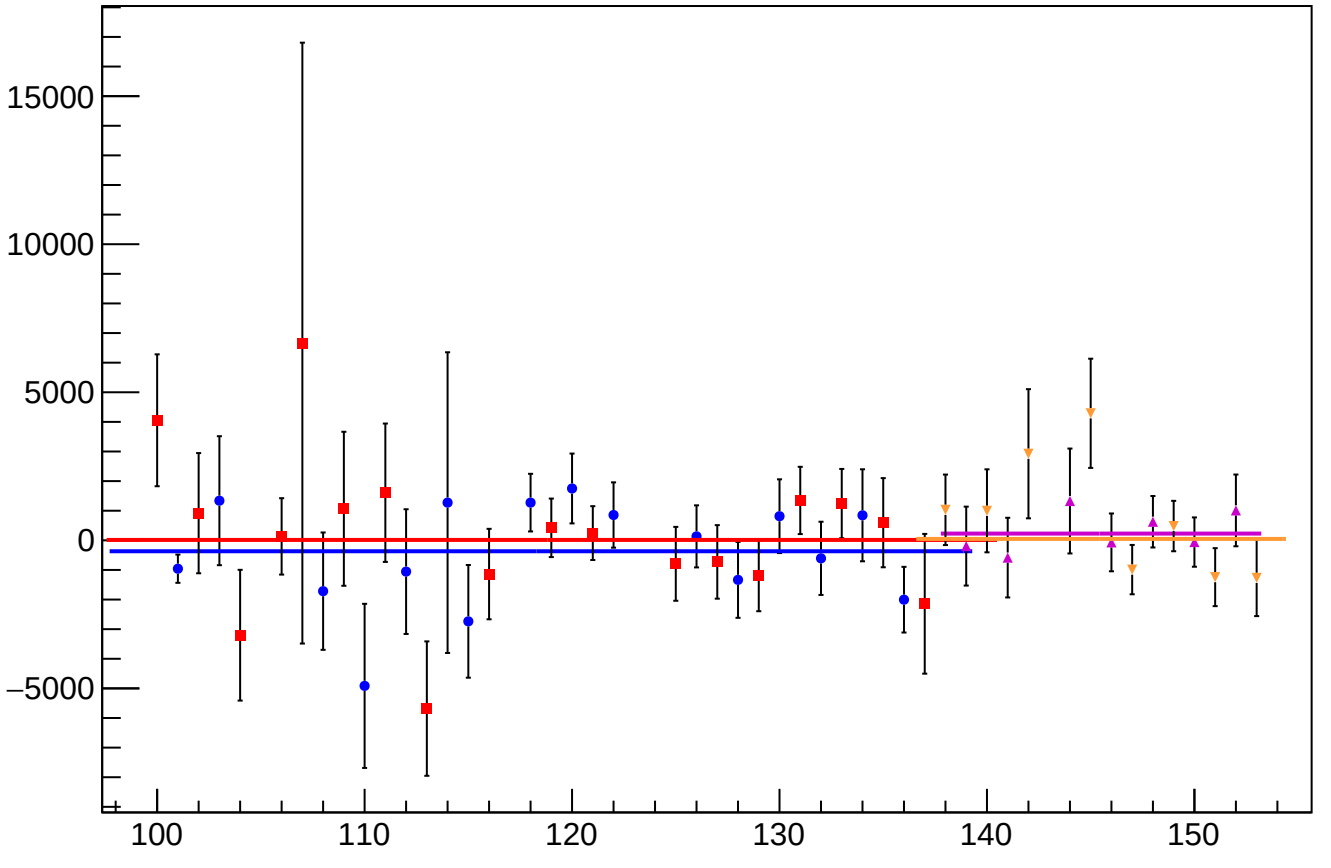
Left: 1480.891+/-0.298 χ^2/NDF: 438.1/14

Right: 1584.024+/-0.295 χ^2/NDF: 347589.8/33

In: 1515.290+/-0.294 χ^2/NDF:133562.7/22

Out: 1551.303+/-0.300 χ^2/NDF:267510.4/25

All: 1532.918+/-0.210 χ^2/NDF: 408436.2/48



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: 47.802+/-402.151 χ^2/NDF:12.8/7

Right Out: 13.729+/-341.569 χ^2/NDF: 19.1/17

Left In: 228.243+/-410.583 χ^2/NDF:1.7/6

Left: 136.151+/-287.298 χ^2/NDF: 14.5/14

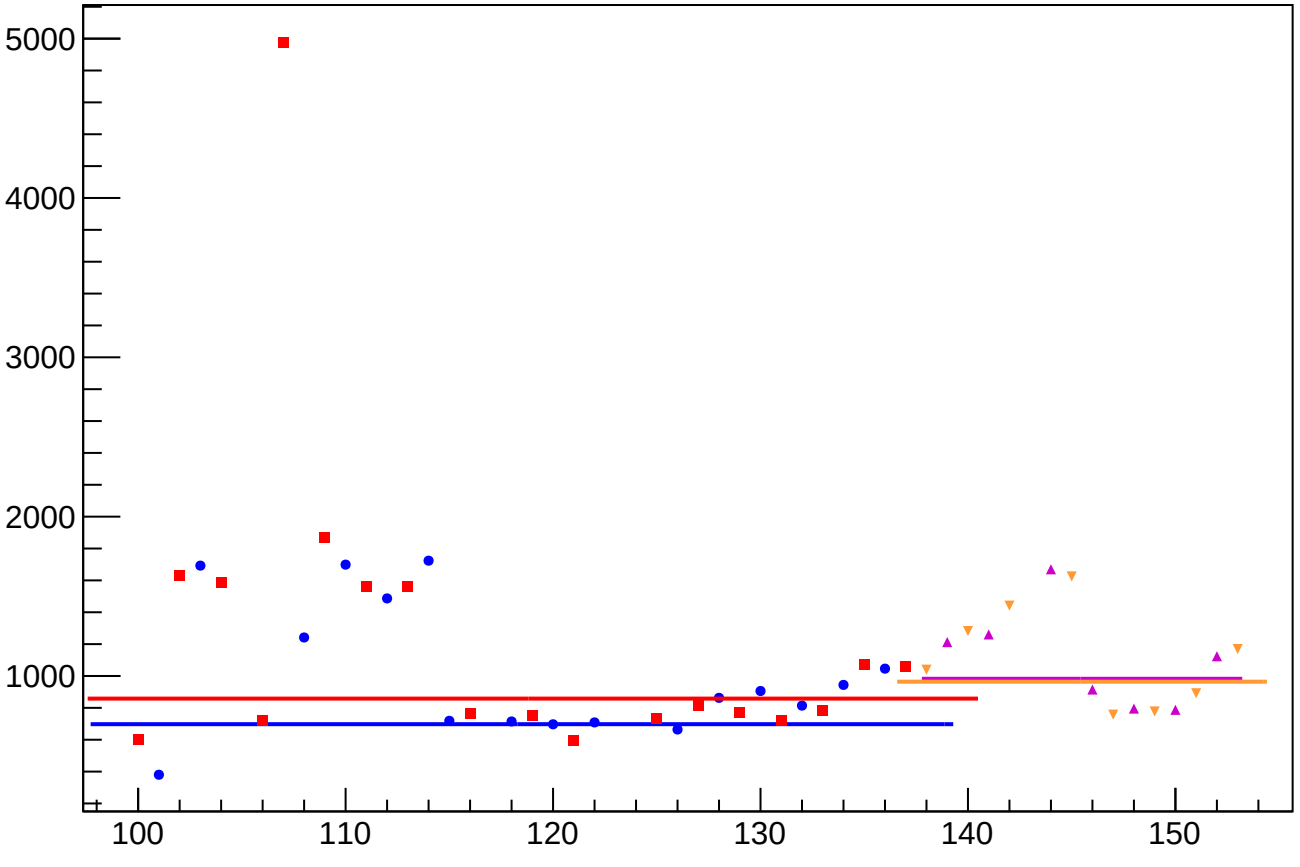
Right: -210.716+/-219.541 χ^2/NDF: 38.7/33

In: -173.158+/-234.996 χ^2/NDF:22.0/22

Out: 28.008+/-260.338 χ^2/NDF:31.8/25

All: -82.840+/-174.440 χ^2/NDF: 54.2/48

asym_usl_atl1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 964.240+/-0.284 χ^2/NDF:744456.1/7

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

Left In: 982.423+/-0.290 χ^2/NDF:685098.5/6

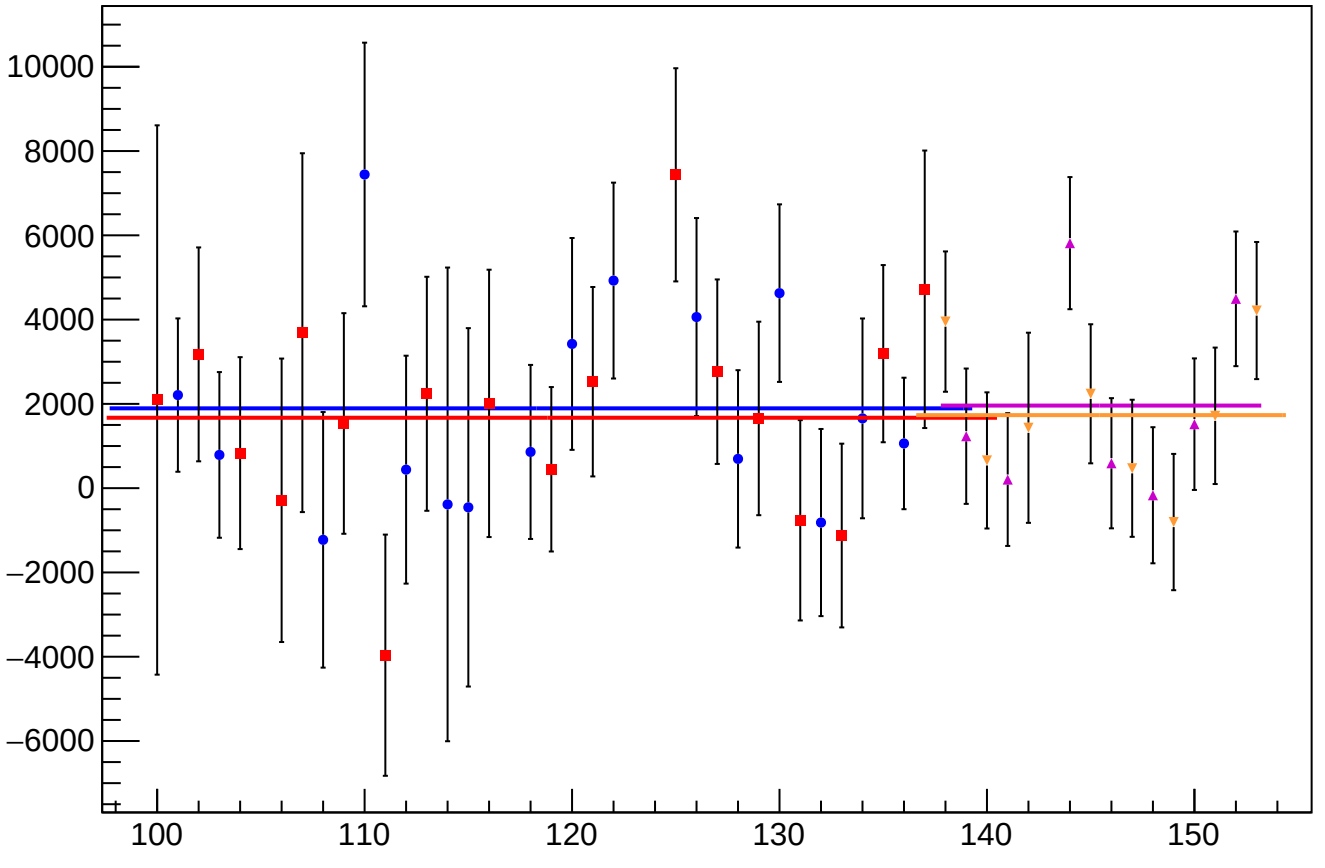
Left: 973.143+/-0.203 χ^2/NDF: 1431556.6/14

Right: 763.855+/-0.155 χ^2/NDF: 4577183.5/33

In: 790.847+/-0.166 χ^2/NDF:3768249.0/22

Out: 902.578+/-0.184 χ^2/NDF:2707560.4/25

All: 841.011+/-0.123 χ^2/NDF: 6678801.9/48



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 1733.038+/-594.756 χ^2/NDF:7.7/7

Right Out: 1670.931+/-604.838 χ^2/NDF: 15.0/17

Left In: 1959.895+/-597.379 χ^2/NDF:12.6/6

Left: 1845.967+/-421.480 χ^2/NDF: 20.4/14

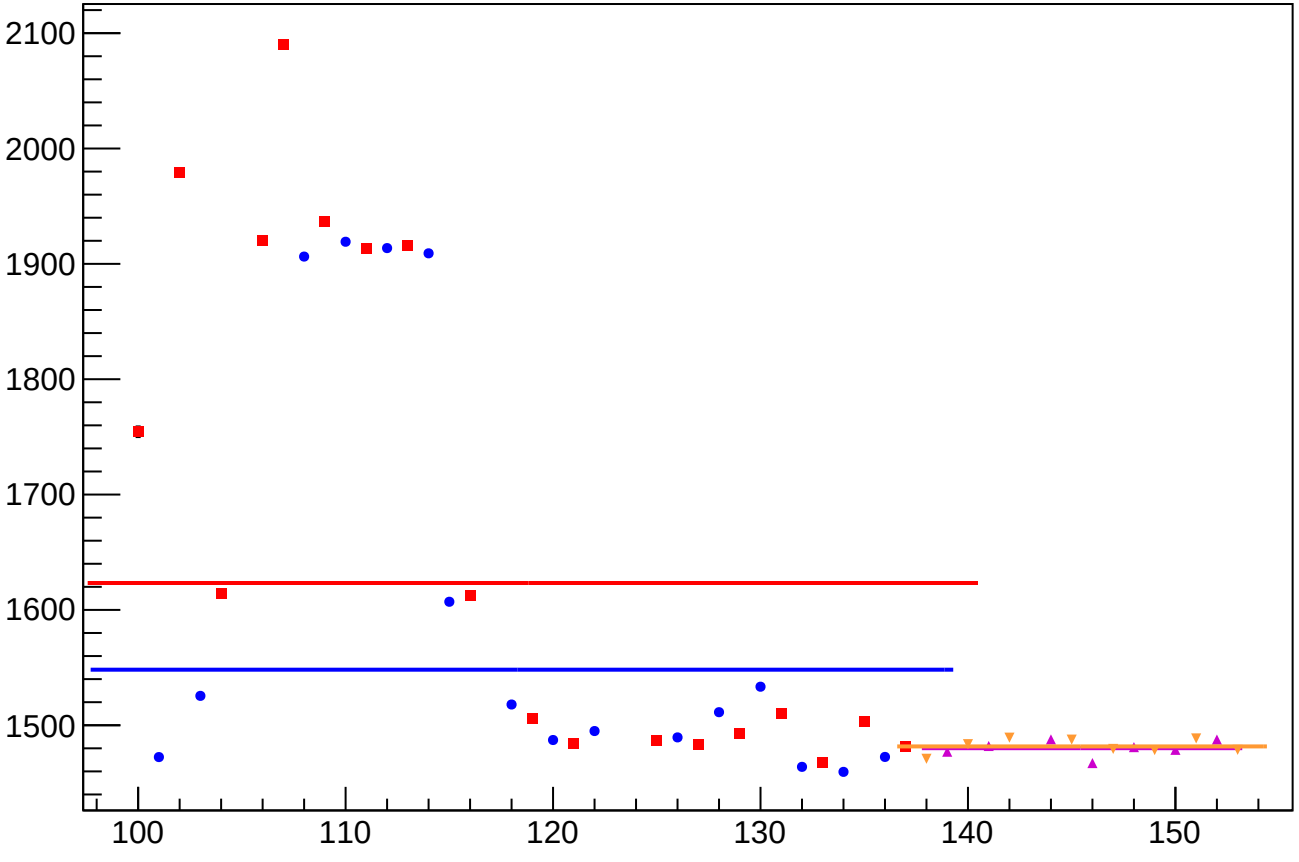
Right: 1787.684+/-417.734 χ^2/NDF: 27.4/33

In: 1925.928+/-415.252 χ^2/NDF:24.9/22

Out: 1702.506+/-424.075 χ^2/NDF:22.8/25

All: 1816.565+/-296.698 χ^2/NDF: 47.8/48

eigen_dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1481.657+/-0.421 χ^2/NDF:188.4/7

Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1480.119+/-0.422 χ^2/NDF:243.1/6

Left: 1480.891+/-0.298 χ^2/NDF: 438.1/14

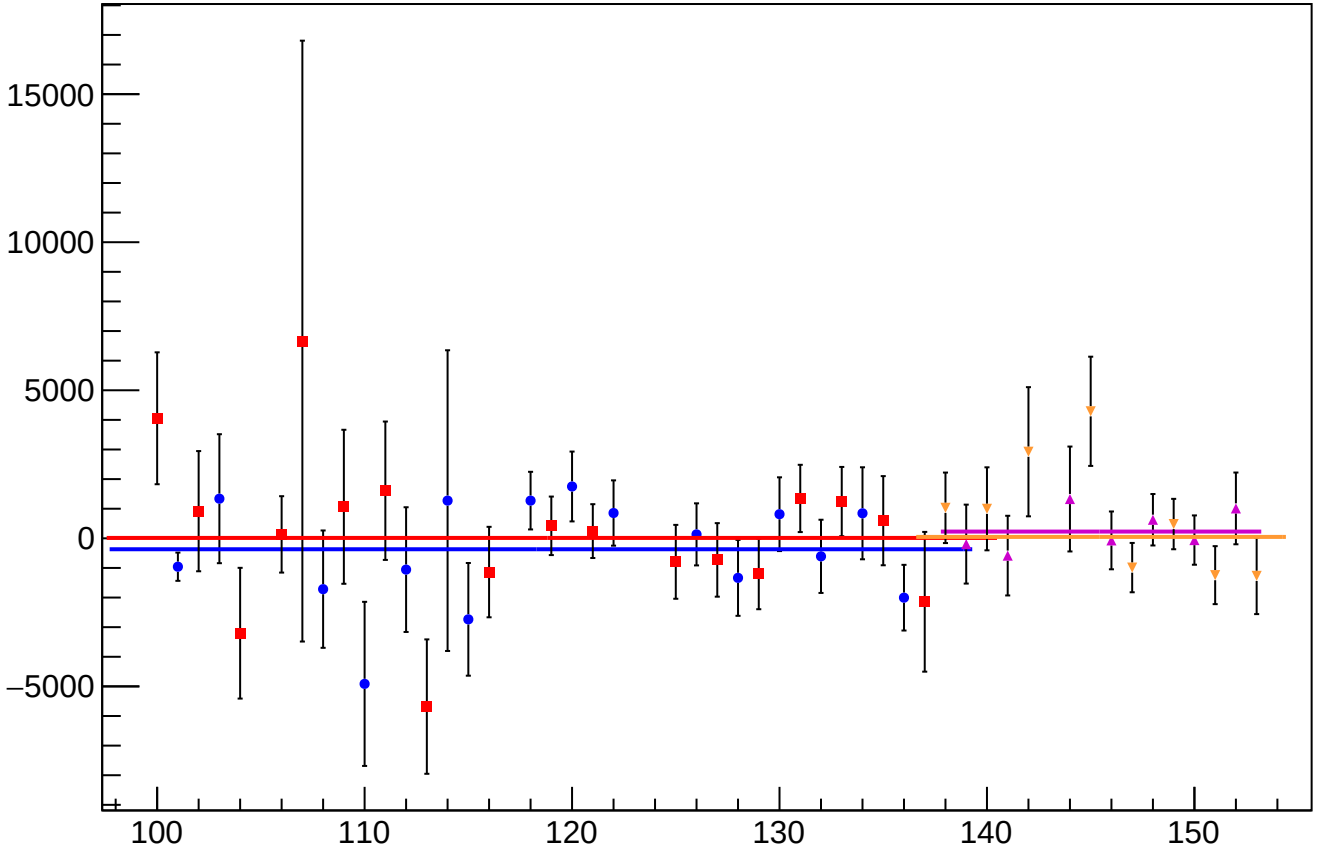
Right: 1584.024+/-0.295 χ^2/NDF: 347589.7/33

In: 1515.290+/-0.294 χ^2/NDF:133562.7/22

Out: 1551.303+/-0.300 χ^2/NDF:267510.0/25

All: 1532.918+/-0.210 χ^2/NDF: 408435.8/48

asym_usl_atl1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: 47.799+/-402.152 χ^2/NDF:12.8/7

Right Out: 13.730+/-341.568 χ^2/NDF: 19.1/17

Left In: 228.244+/-410.583 χ^2/NDF:1.7/6

Left: 136.150+/-287.299 χ^2/NDF: 14.5/14

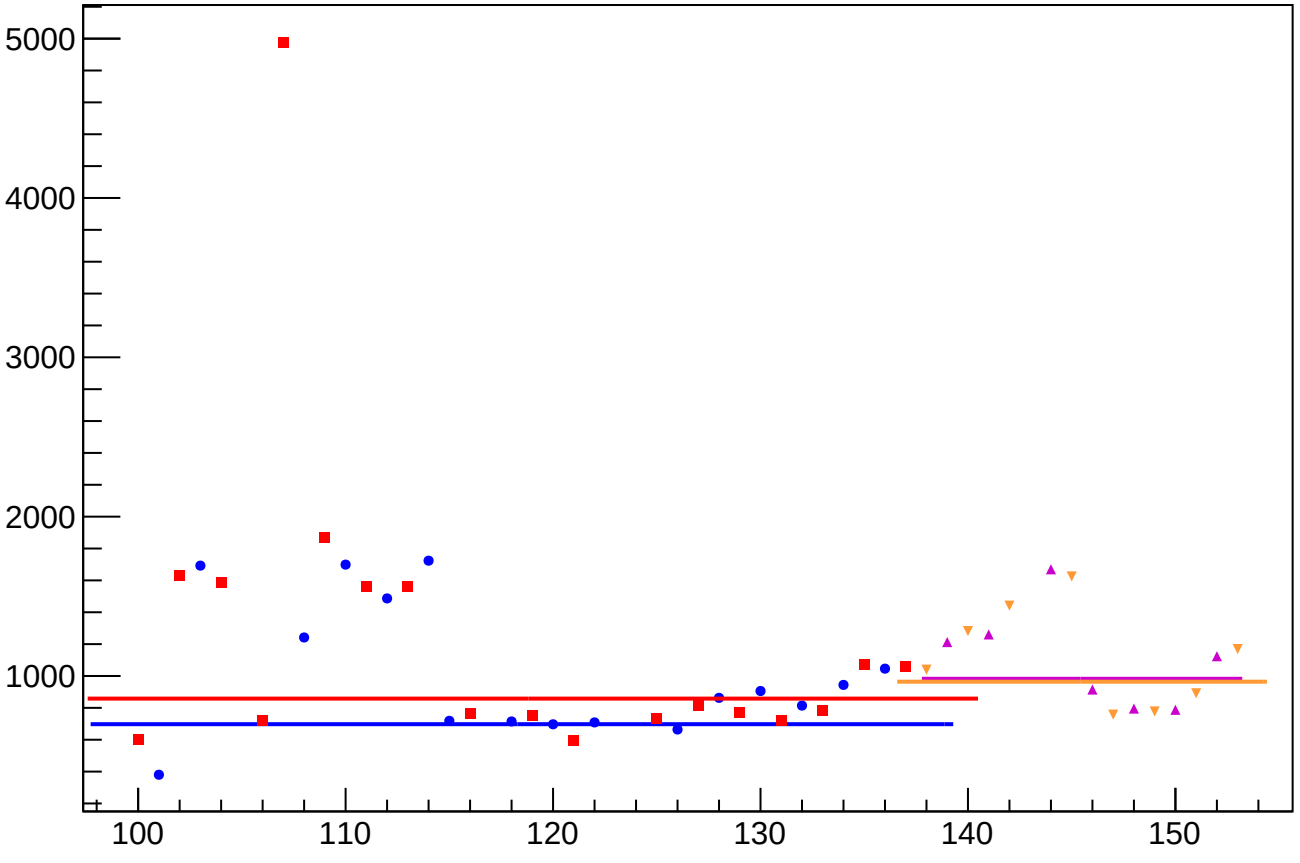
Right: -210.715+/-219.541 χ^2/NDF: 38.7/33

In: -173.157+/-234.996 χ^2/NDF:22.0/22

Out: 28.008+/-260.338 χ^2/NDF:31.8/25

All: -82.840+/-174.440 χ^2/NDF: 54.2/48

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 697.517+/-0.203 χ^2/NDF: 2435593.9/15

Left Out: 964.241+/-0.284 χ^2/NDF:744454.8/7

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

Left In: 982.425+/-0.290 χ^2/NDF:685096.0/6

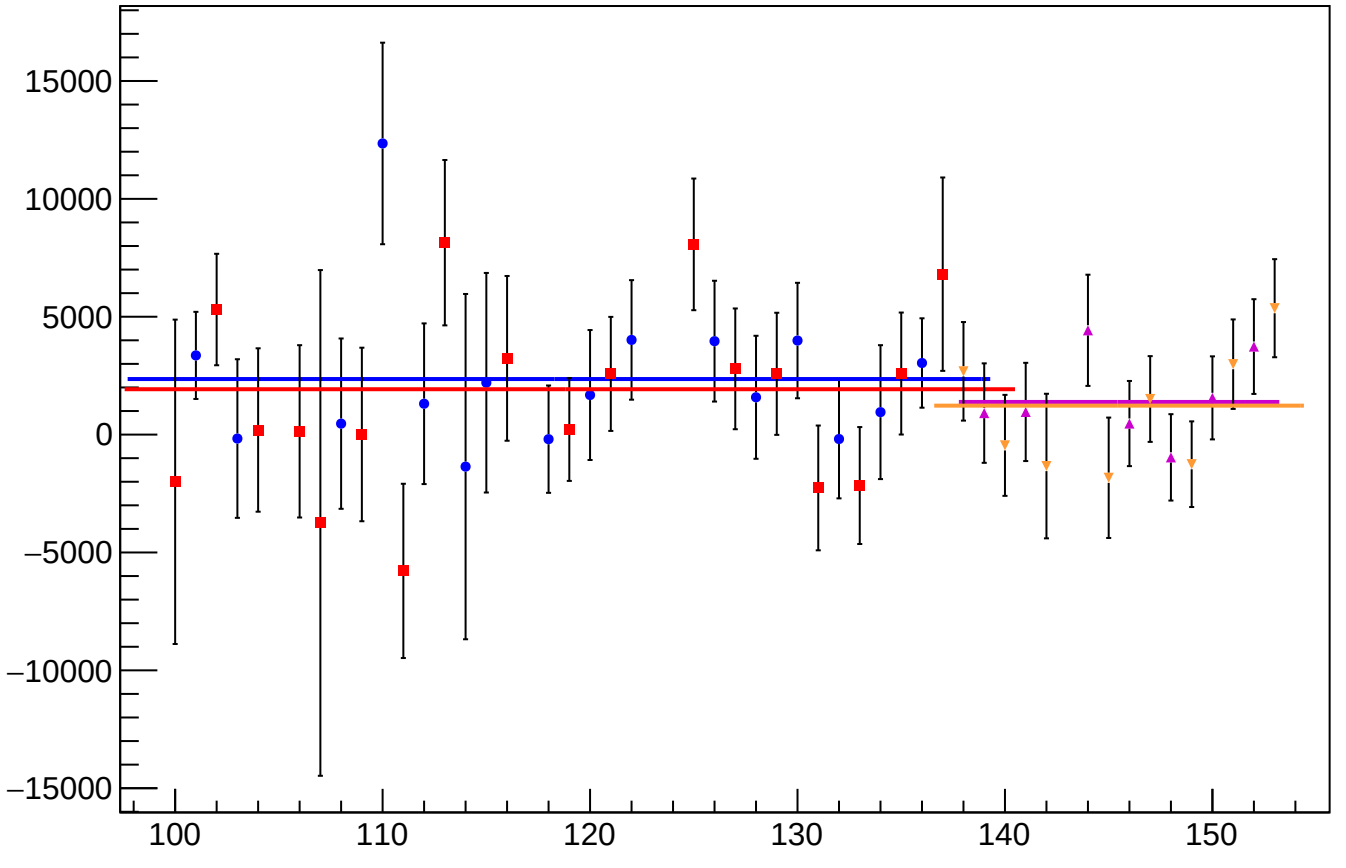
Left: 973.144+/-0.203 χ^2/NDF: 1431552.9/14

Right: 763.854+/-0.155 χ^2/NDF: 4577181.2/33

In: 790.847+/-0.166 χ^2/NDF:3768245.3/22

Out: 902.578+/-0.184 χ^2/NDF:2707573.4/25

All: 841.011+/-0.123 χ^2/NDF: 6678808.4/48



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 1228.391+/-741.177 χ^2/NDF:9.9/7

Right Out: 1924.824+/-706.809 χ^2/NDF: 23.4/17

Left In: 1384.721+/-743.457 χ^2/NDF:5.0/6

Left: 1306.316+/-524.896 χ^2/NDF: 15.0/14

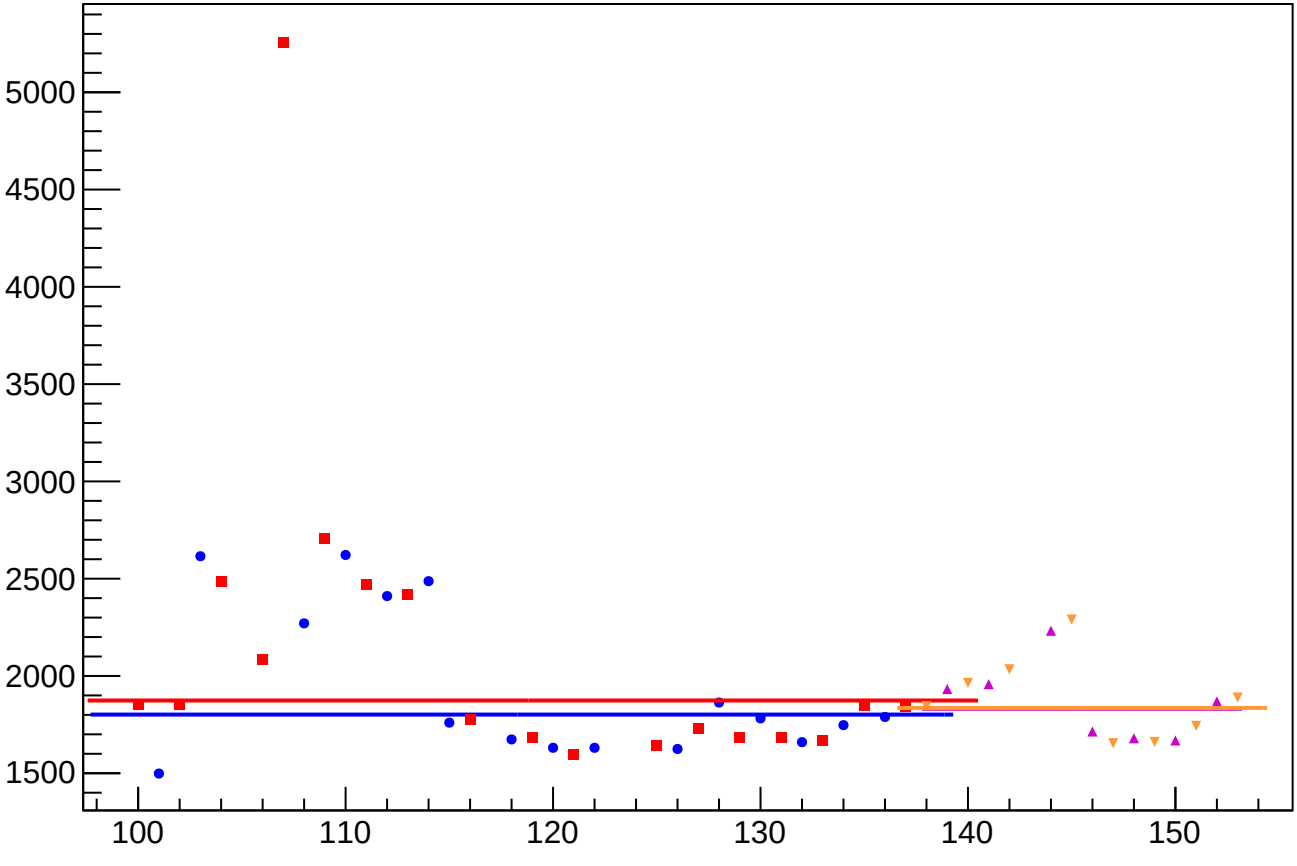
Right: 2149.598+/-489.640 χ^2/NDF: 34.6/33

In: 1914.867+/-501.345 χ^2/NDF:17.0/22

Out: 1593.129+/-511.508 χ^2/NDF:33.8/25

All: 1757.226+/-358.043 χ^2/NDF: 51.0/48

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1835.658+/-0.524 χ^2/NDF:123264.4/7

Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1831.416+/-0.526 χ^2/NDF:109653.4/6

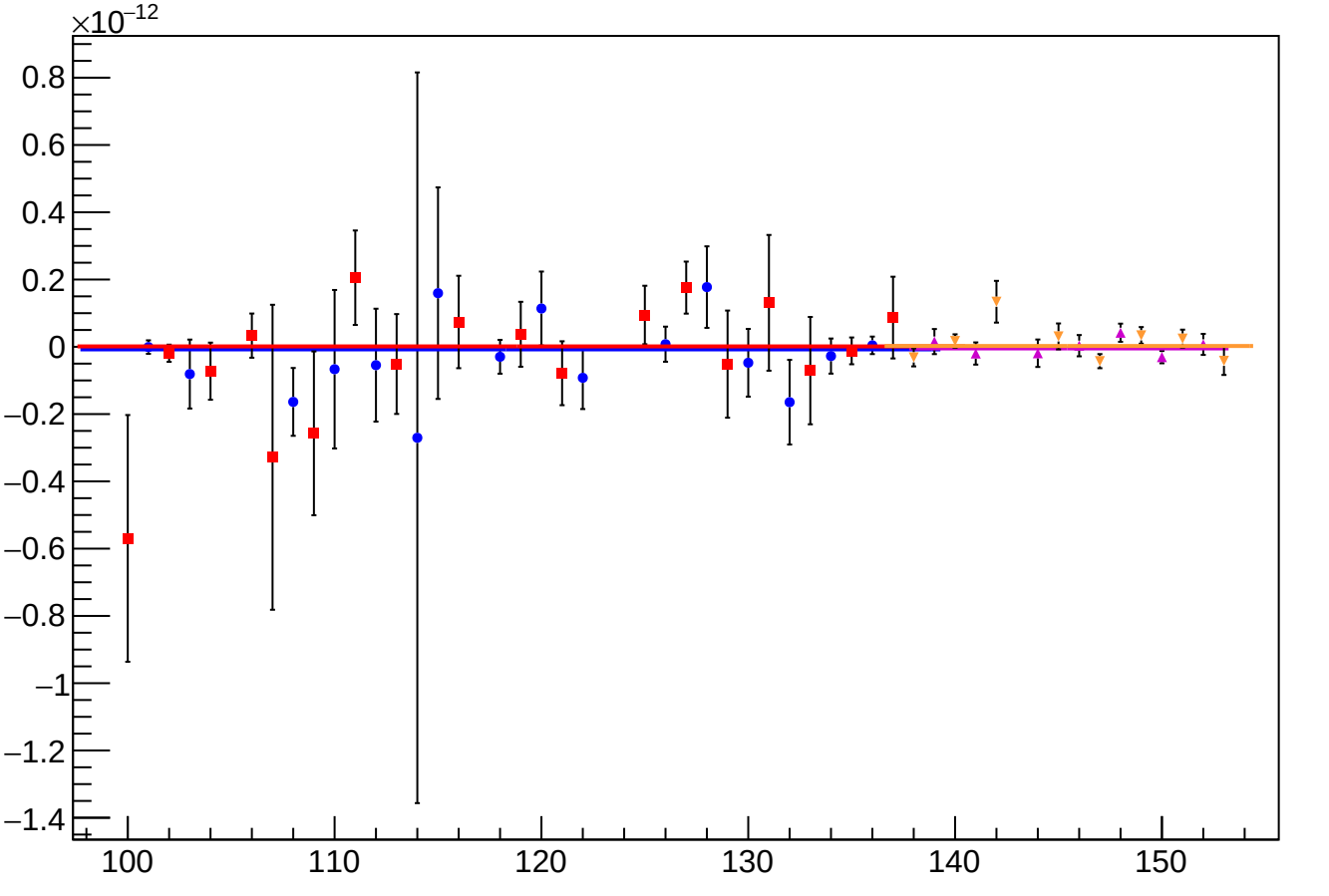
Left: 1833.544+/-0.371 χ^2/NDF: 232950.4/14

Right: 1836.296+/-0.346 χ^2/NDF: 981540.0/33

In: 1815.120+/-0.355 χ^2/NDF:512118.3/22

Out: 1855.726+/-0.362 χ^2/NDF:695973.0/25

All: 1835.016+/-0.253 χ^2/NDF: 1214519.8/48



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/7

Right Out: 0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: -0.000+/-0.000 χ^2/NDF:5.8/6

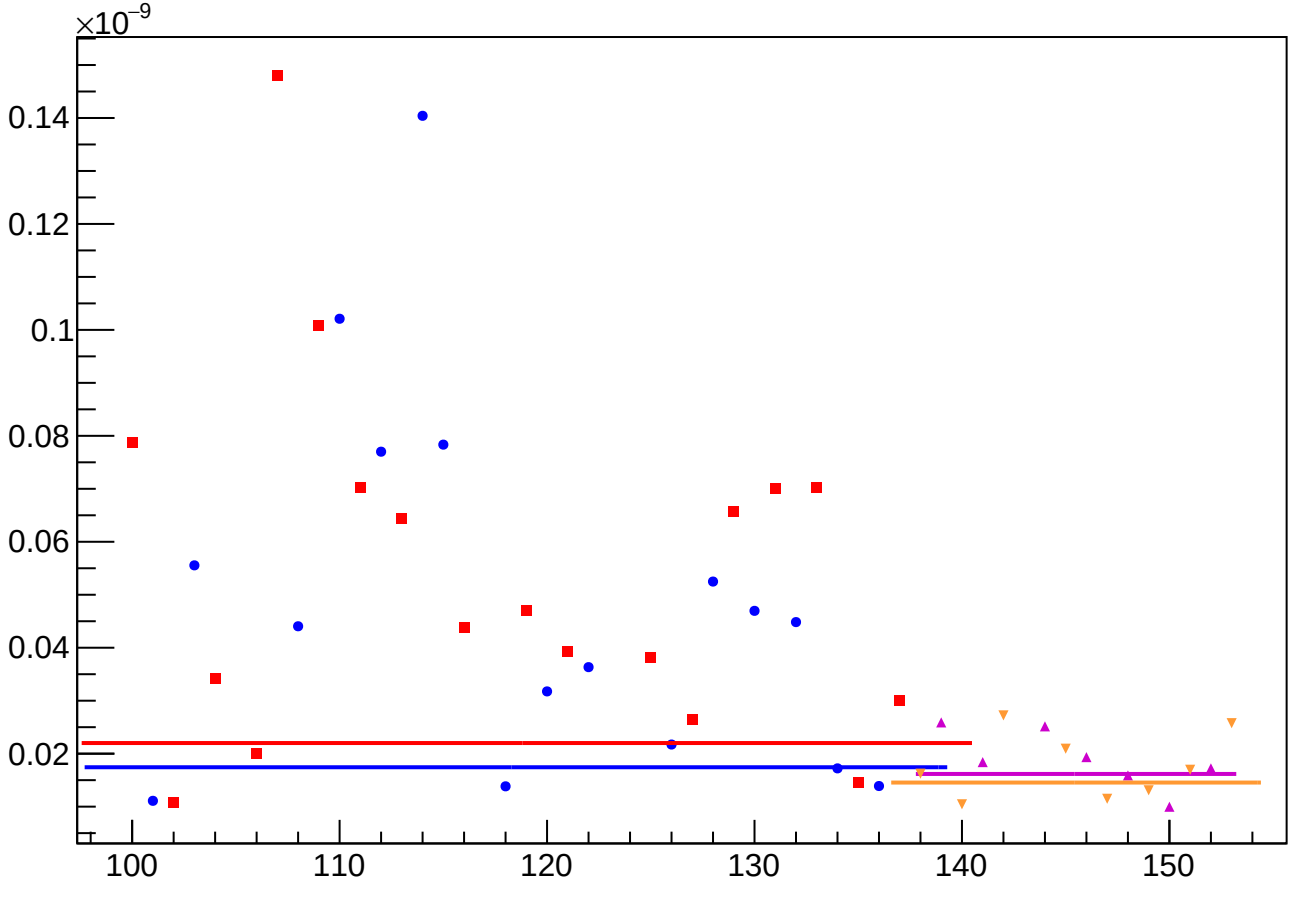
Left: -0.000+/-0.000 χ^2/NDF: 21.2/14

Right: -0.000+/-0.000 χ^2/NDF: 27.1/33

In: -0.000+/-0.000 χ^2/NDF:16.1/22

Out: 0.000+/-0.000 χ^2/NDF:31.9/25

All: -0.000+/-0.000 χ^2/NDF: 48.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 1840069.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:439547.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2098640.3/17

Left In: 0.000+/-0.000 χ^2/NDF:491798.1/6

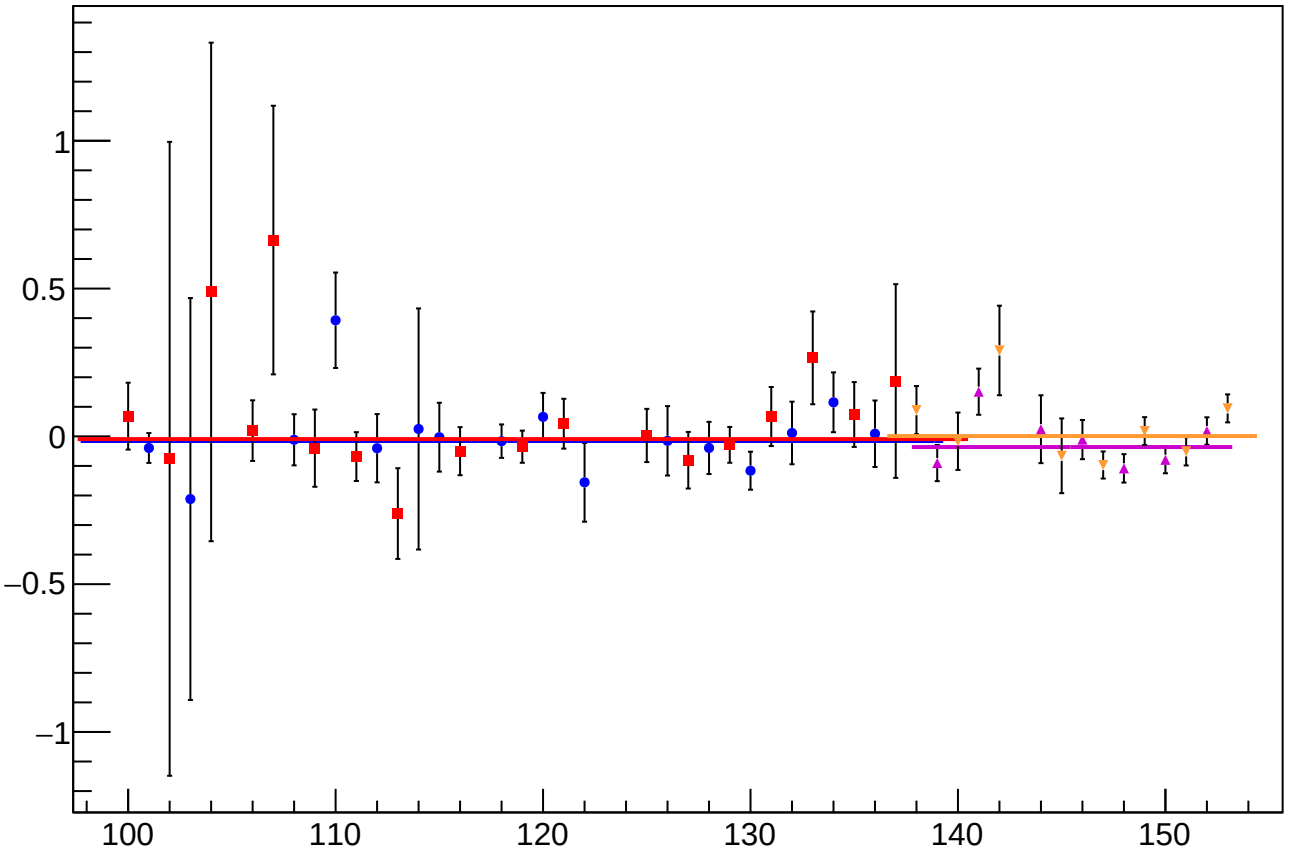
Left: 0.000+/-0.000 χ^2/NDF: 956514.6/14

Right: 0.000+/-0.000 χ^2/NDF: 4028264.0/33

In: 0.000+/-0.000 χ^2/NDF:2342943.6/22

Out: 0.000+/-0.000 χ^2/NDF:2825445.6/25

All: 0.000+/-0.000 χ^2/NDF: 5170018.9/48



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.001+/-0.021 χ^2/NDF:14.9/7

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.036+/-0.022 χ^2/NDF:11.5/6

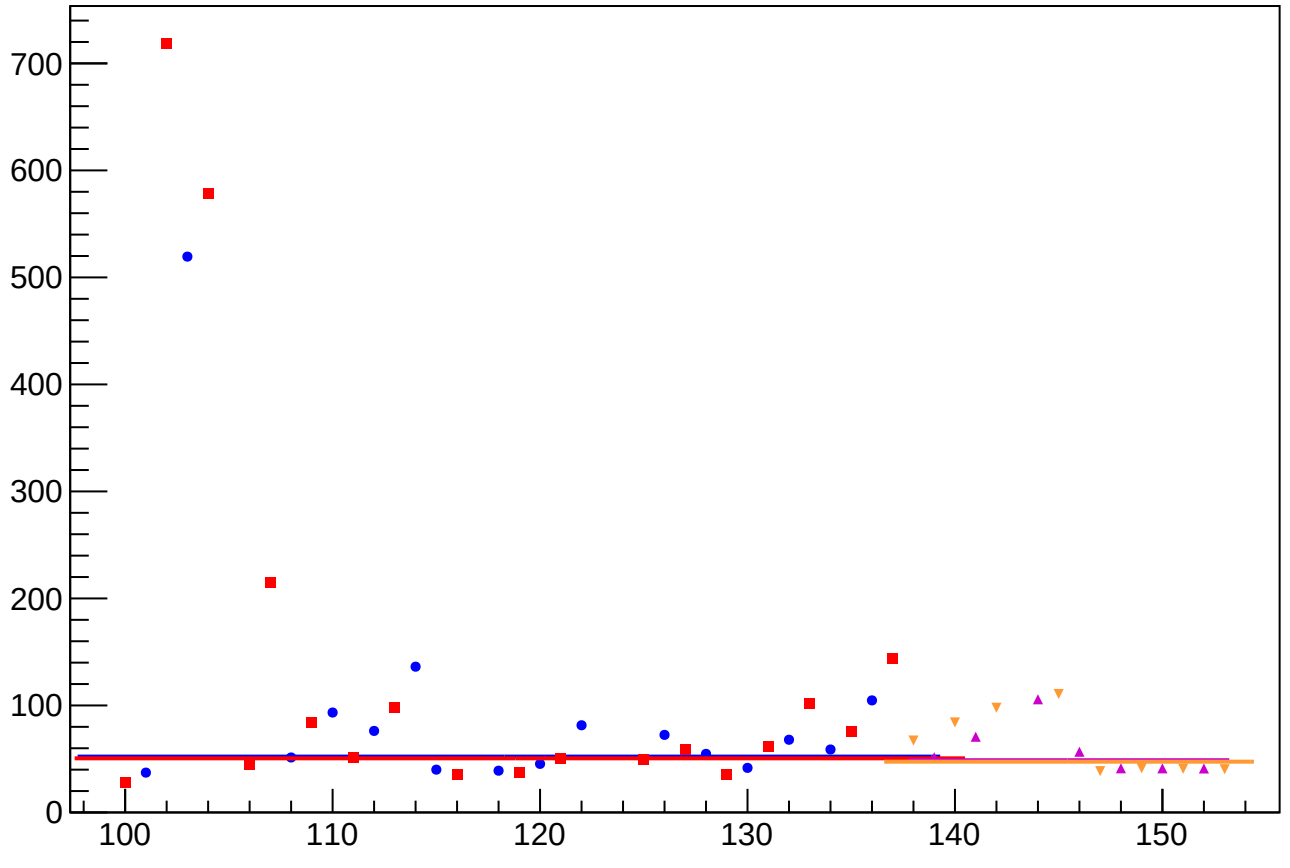
Left: -0.017+/-0.015 χ^2/NDF: 27.8/14

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.026+/-0.016 χ^2/NDF:25.1/22

Out: -0.004+/-0.016 χ^2/NDF:27.5/25

All: -0.015+/-0.011 χ^2/NDF: 53.6/48



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 47.438+/-0.015 χ^2/NDF:1315859.9/7

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 48.823+/-0.015 χ^2/NDF:842616.8/6

Left: 48.120+/-0.011 χ^2/NDF: 2162586.1/14

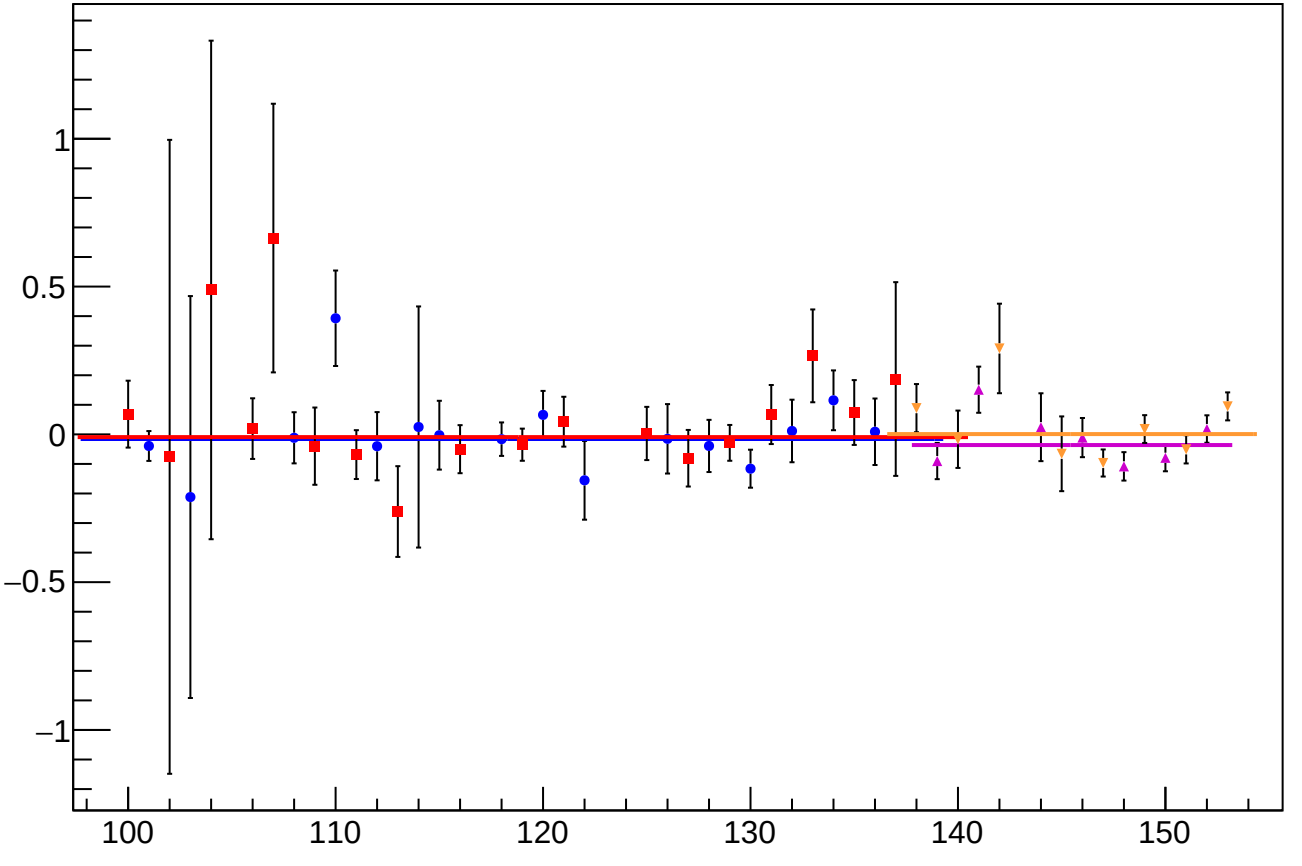
Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 50.440+/-0.011 χ^2/NDF:3132539.7/22

Out: 48.859+/-0.011 χ^2/NDF:4386693.0/25

All: 49.658+/-0.008 χ^2/NDF: 7529274.4/48

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: 0.001+/-0.021 χ^2/NDF:14.9/7

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.036+/-0.022 χ^2/NDF:11.5/6

Left: -0.017+/-0.015 χ^2/NDF: 27.8/14

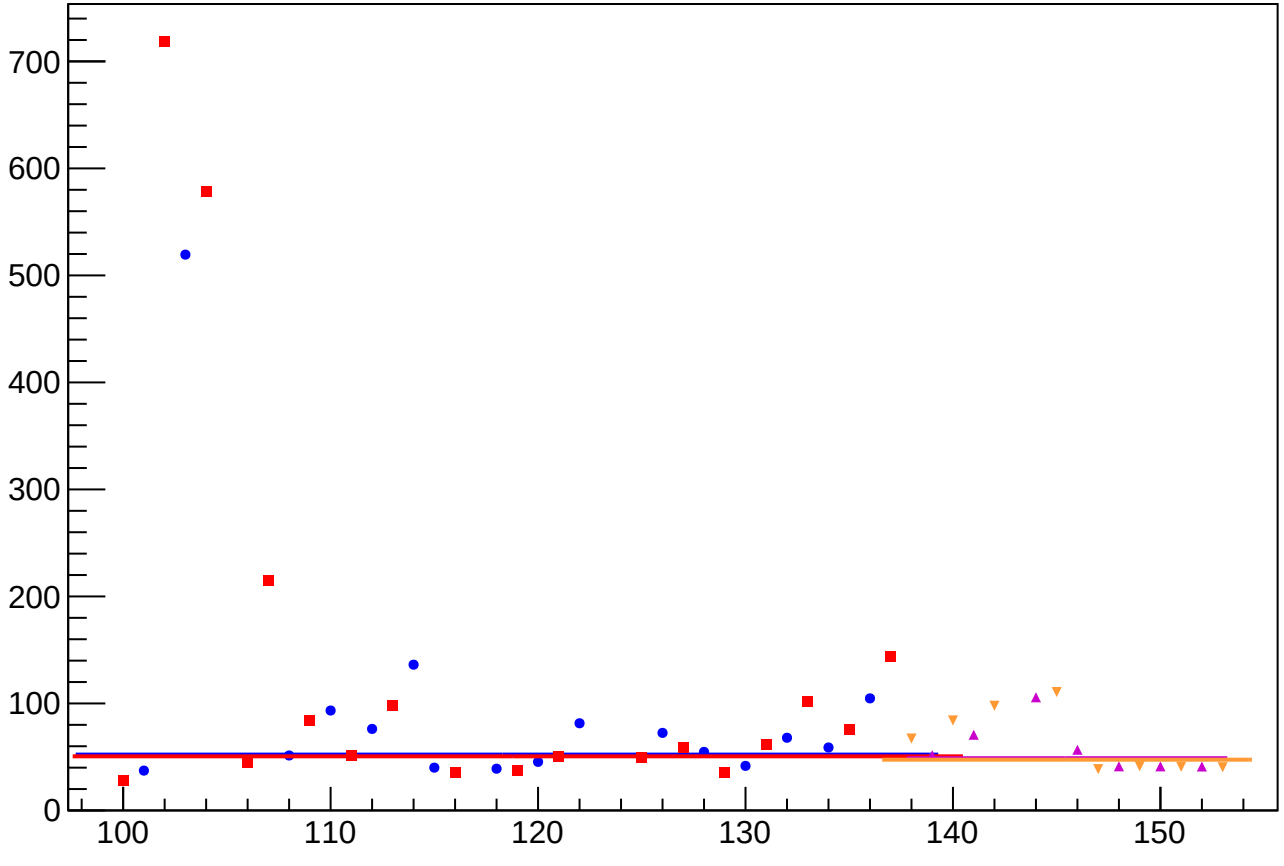
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.026+/-0.016 χ^2/NDF:25.1/22

Out: -0.004+/-0.016 χ^2/NDF:27.5/25

All: -0.015+/-0.011 χ^2/NDF: 53.6/48

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: 47.438+/-0.015 χ^2/NDF:1315859.9/7

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 48.823+/-0.015 χ^2/NDF:842616.8/6

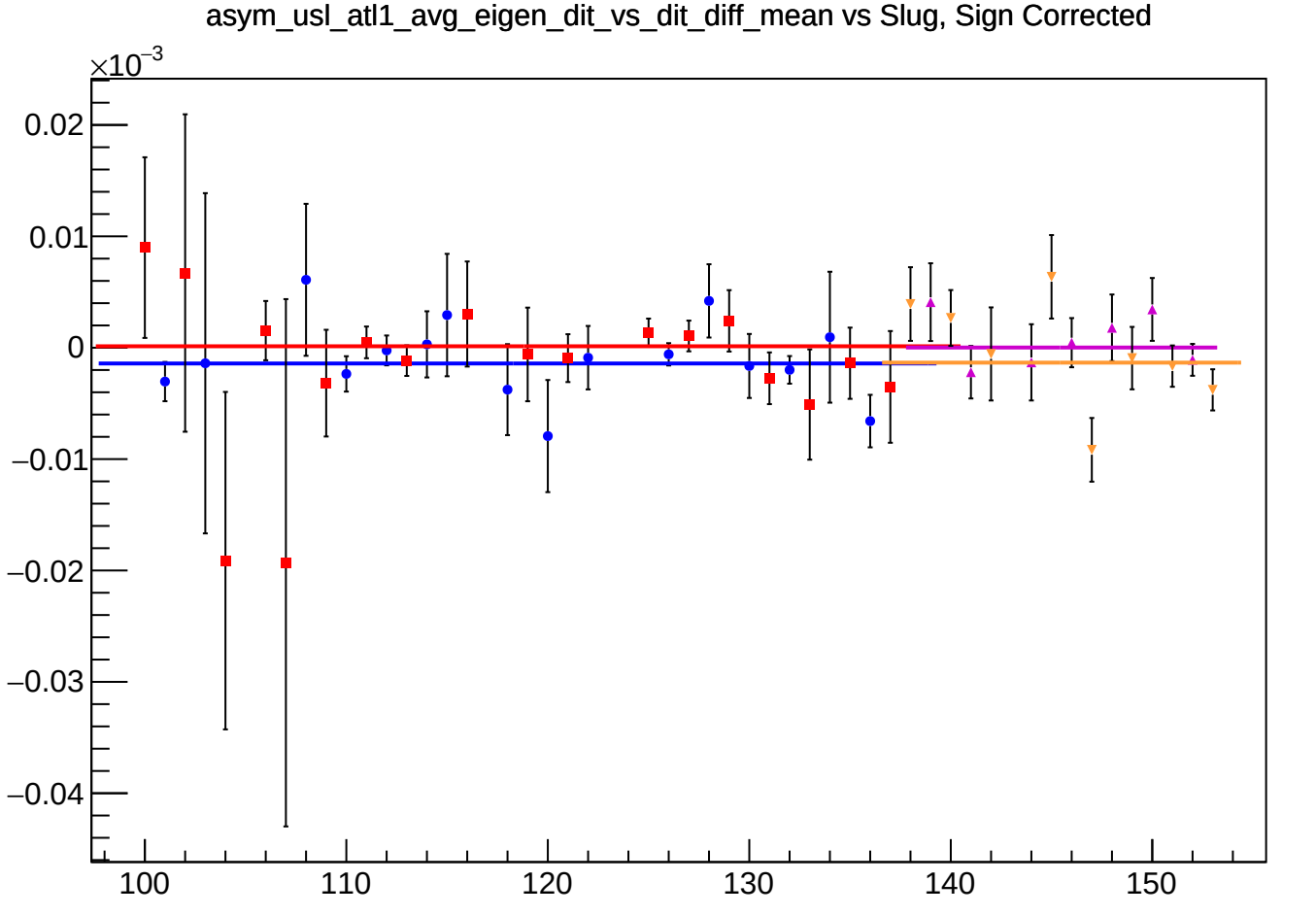
Left: 48.120+/-0.011 χ^2/NDF: 2162586.1/14

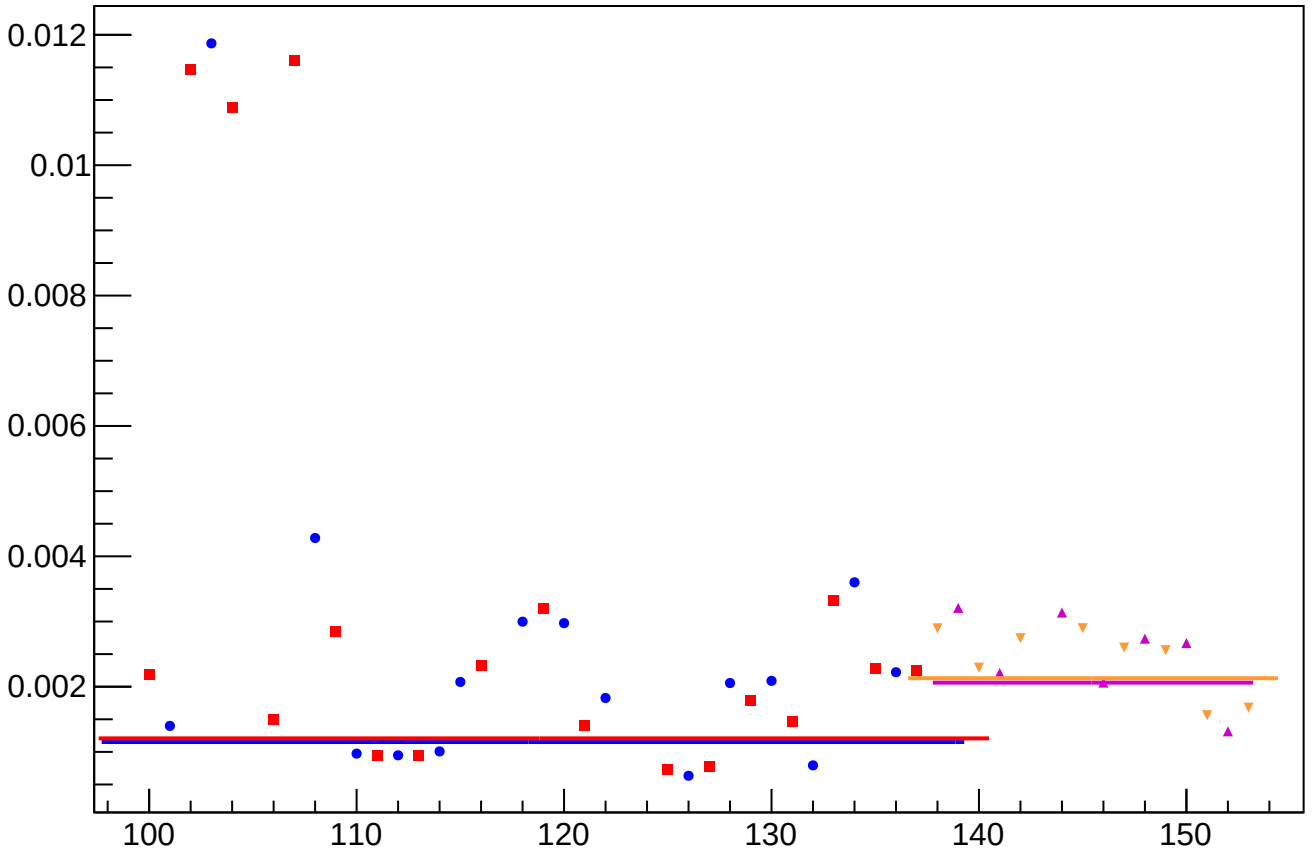
Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 50.440+/-0.011 χ^2/NDF:3132539.7/22

Out: 48.859+/-0.011 χ^2/NDF:4386693.0/25

All: 49.658+/-0.008 χ^2/NDF: 7529274.4/48


asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 15.0/15
Left Out: -0.000+/-0.000 χ²/NDF:18.7/7
Right Out: 0.000+/-0.000 χ²/NDF: 11.6/17
Left In: 0.000+/-0.000 χ²/NDF:4.9/6
Left: -0.000+/-0.000 χ²/NDF: 24.7/14
Right: -0.000+/-0.000 χ²/NDF: 30.7/33
In: -0.000+/-0.000 χ²/NDF:21.8/22
Out: -0.000+/-0.000 χ²/NDF:32.1/25
All: -0.000+/-0.000 χ²/NDF: 55.3/48



Right In: 0.001+/-0.000 χ^2/NDF: 4187928.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:650364.4/7

Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.002+/-0.000 χ^2/NDF:1160531.2/6

Left: 0.002+/-0.000 χ^2/NDF: 1816672.9/14

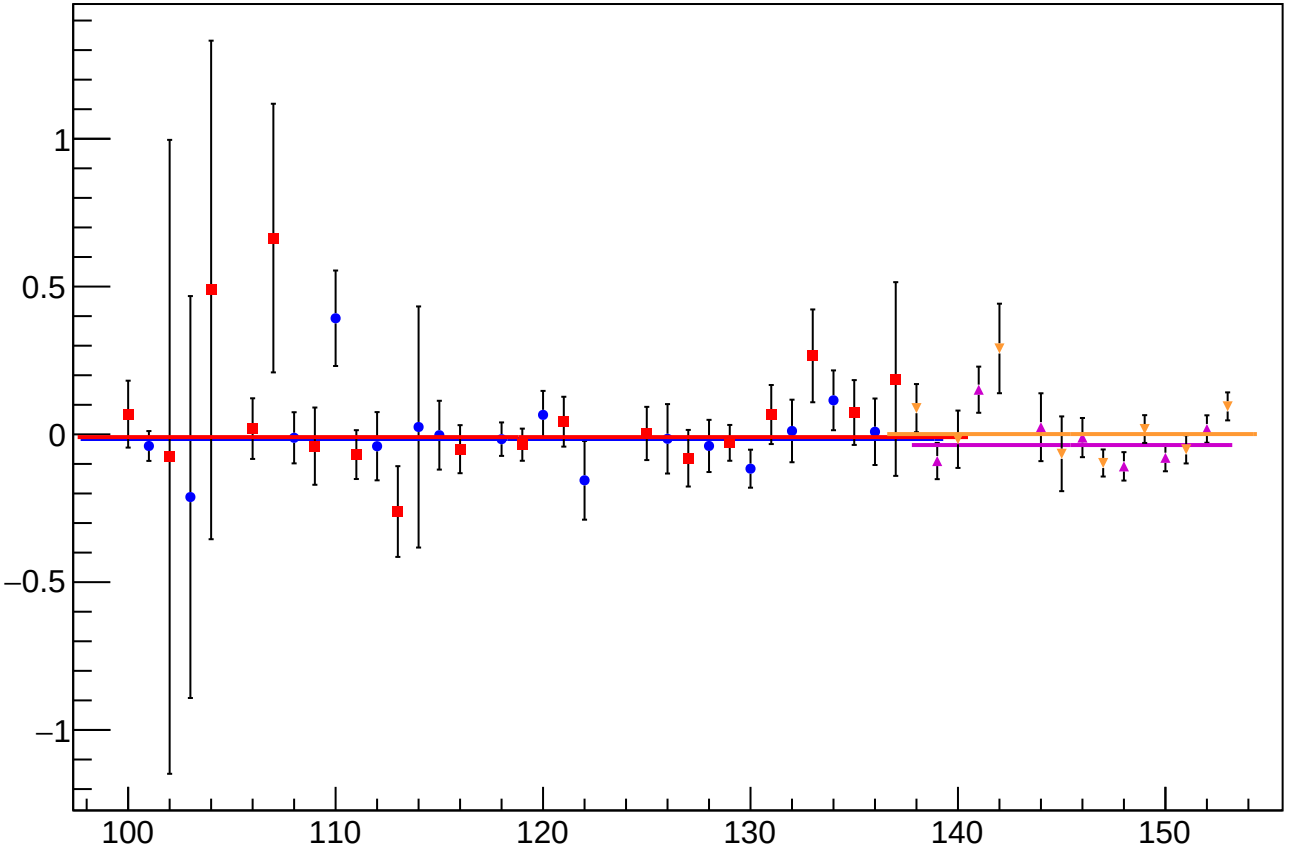
Right: 0.001+/-0.000 χ^2/NDF: 8720631.4/33

In: 0.001+/-0.000 χ^2/NDF:6929343.1/22

Out: 0.001+/-0.000 χ^2/NDF:6673857.5/25

All: 0.001+/-0.000 χ^2/NDF: 13630449.4/48

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.001+/-0.021 χ^2/NDF:14.9/7

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.036+/-0.022 χ^2/NDF:11.5/6

Left: -0.017+/-0.015 χ^2/NDF: 27.8/14

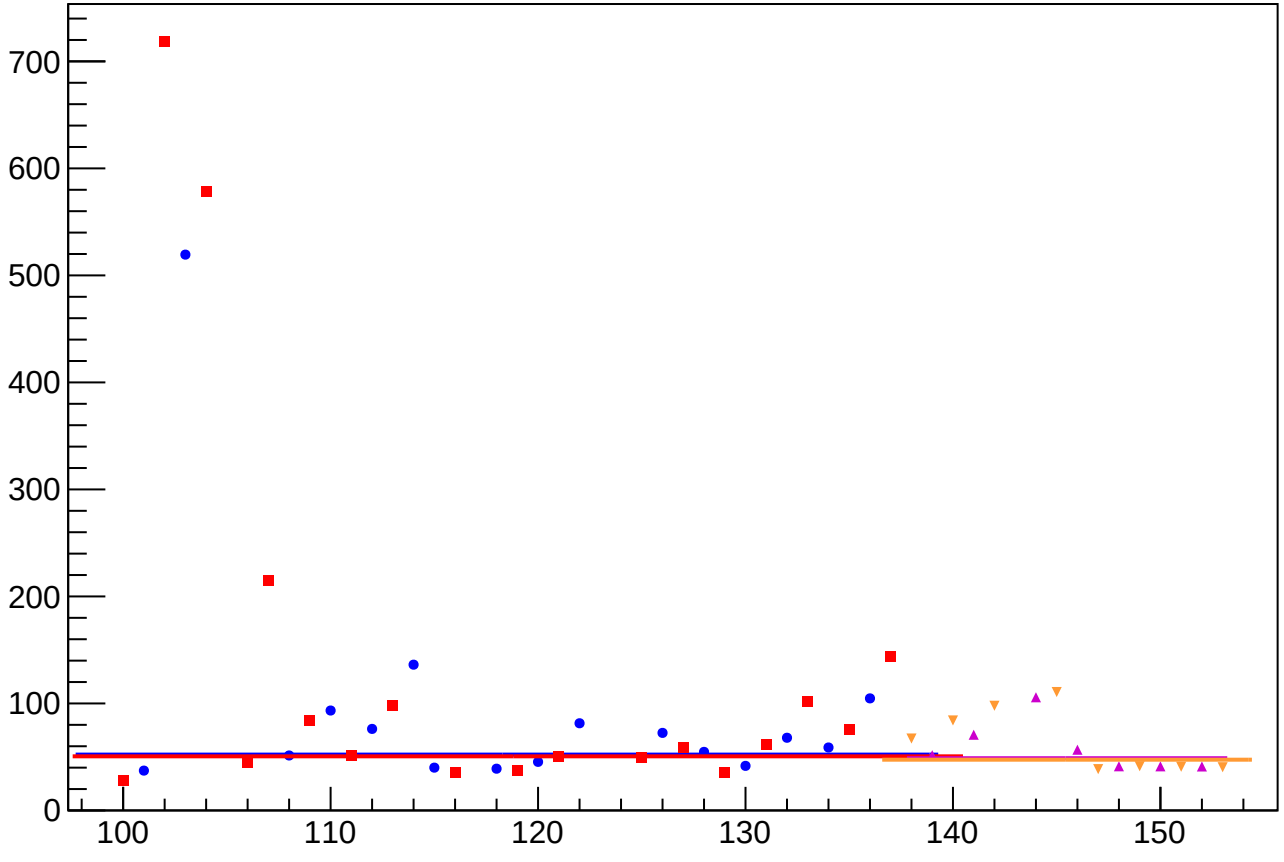
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.026+/-0.016 χ^2/NDF:25.1/22

Out: -0.004+/-0.016 χ^2/NDF:27.5/25

All: -0.015+/-0.011 χ^2/NDF: 53.6/48

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: 47.438+/-0.015 χ^2/NDF:1315836.3/7

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 48.823+/-0.015 χ^2/NDF:842603.7/6

Left: 48.120+/-0.011 χ^2/NDF: 2162550.1/14

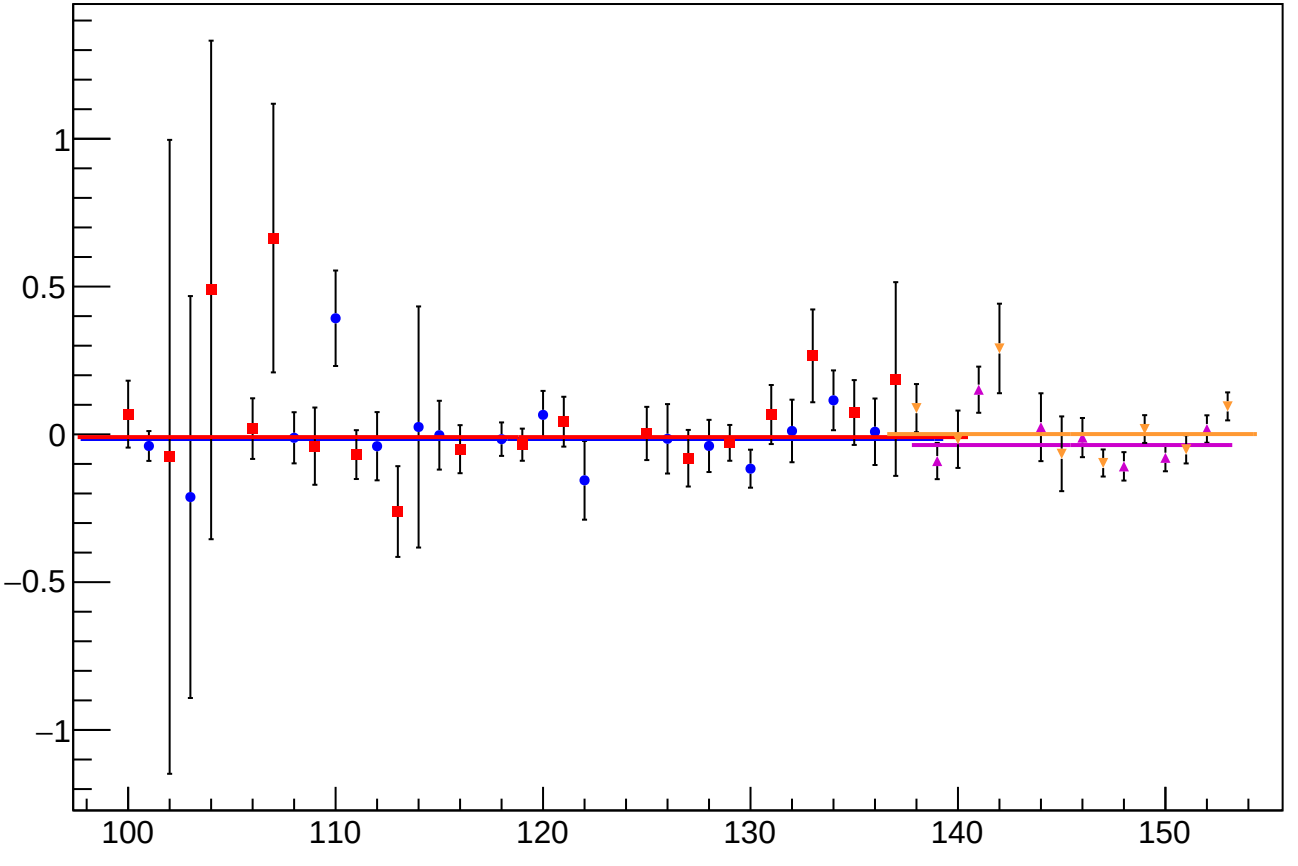
Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 50.440+/-0.011 χ^2/NDF:3132515.5/22

Out: 48.859+/-0.011 χ^2/NDF:4386649.3/25

All: 49.658+/-0.008 χ^2/NDF: 7529207.8/48

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.001+/-0.021 χ^2/NDF:14.9/7

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.036+/-0.022 χ^2/NDF:11.5/6

Left: -0.017+/-0.015 χ^2/NDF: 27.8/14

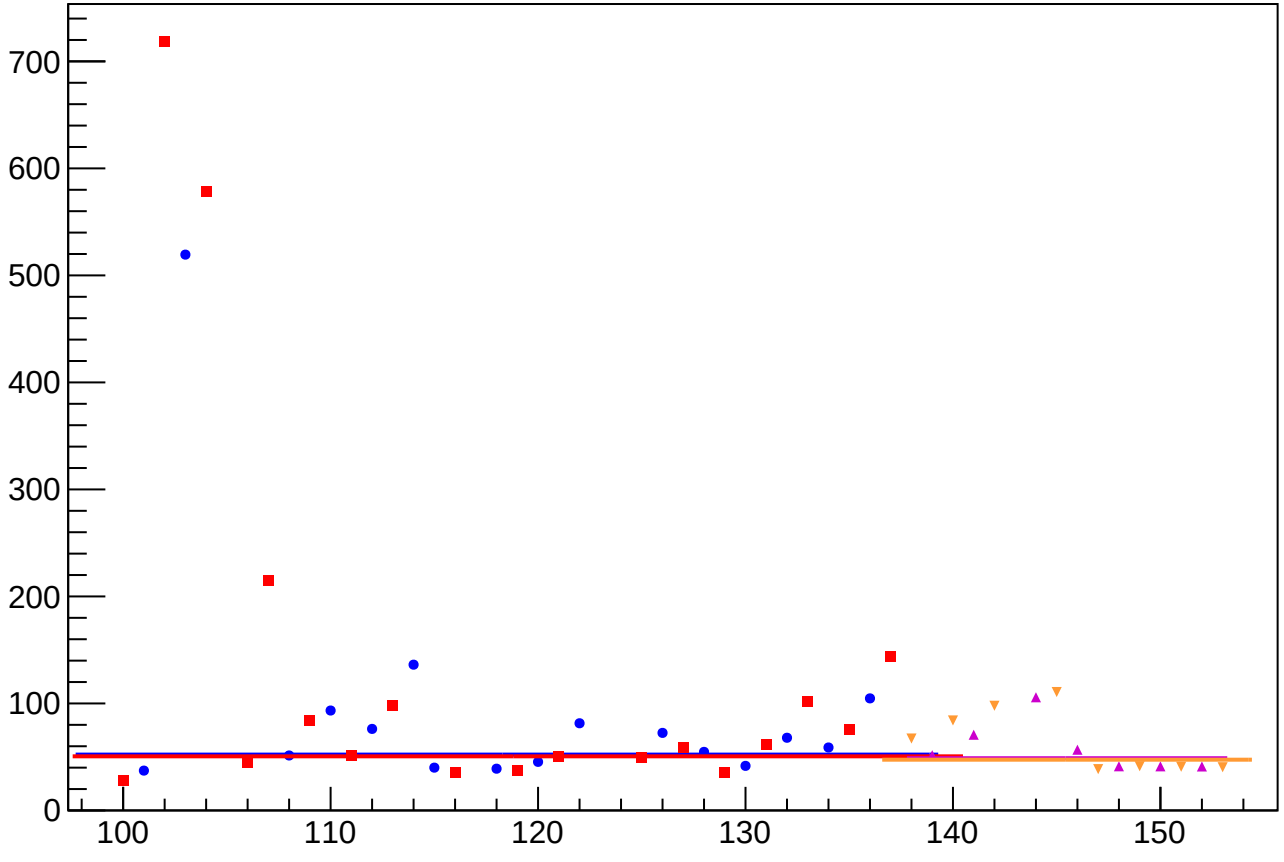
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.026+/-0.016 χ^2/NDF:25.1/22

Out: -0.004+/-0.016 χ^2/NDF:27.5/25

All: -0.015+/-0.011 χ^2/NDF: 53.6/48

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: 47.438+/-0.015 χ^2/NDF:1315836.3/7

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 48.823+/-0.015 χ^2/NDF:842603.7/6

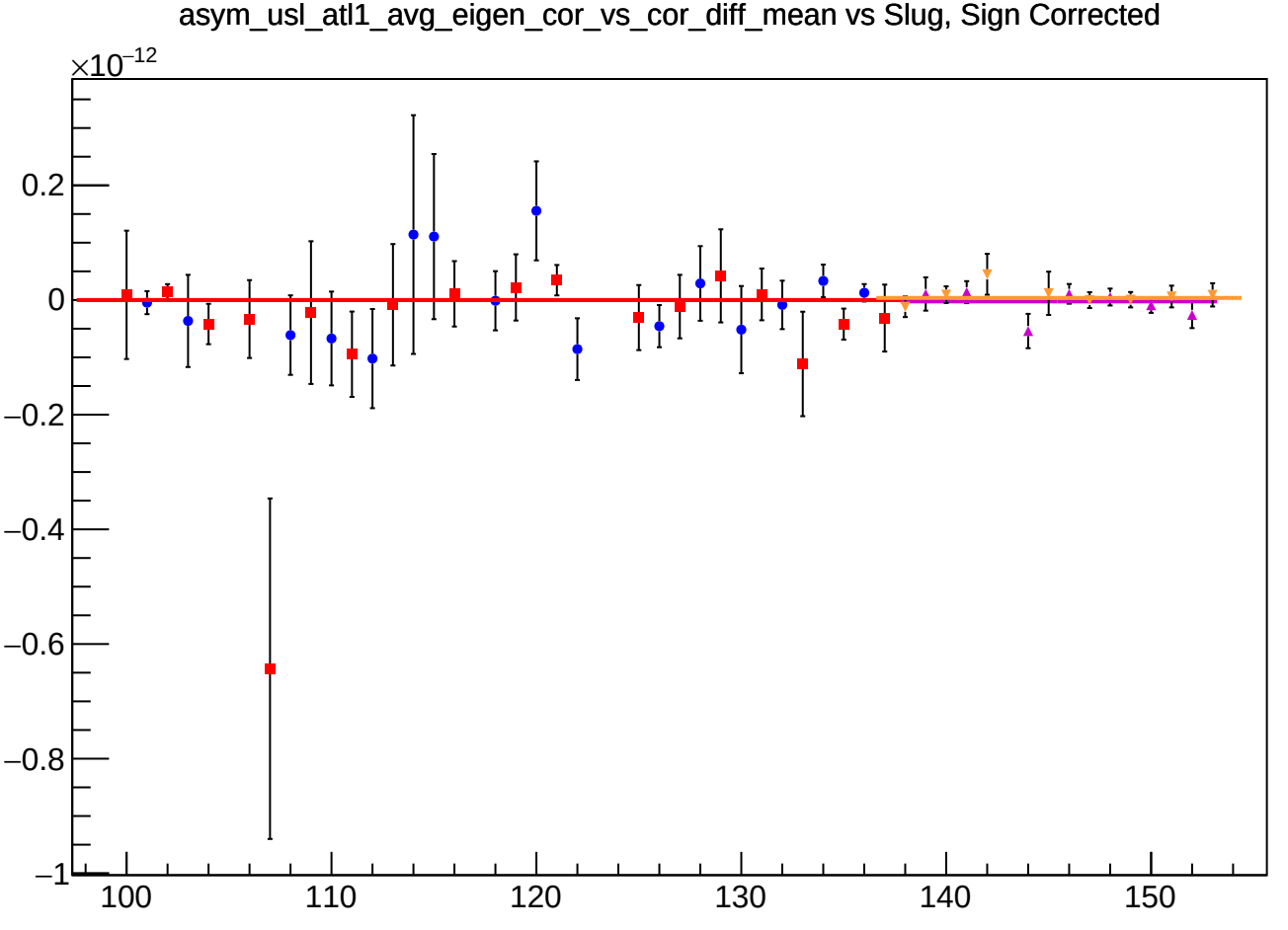
Left: 48.120+/-0.011 χ^2/NDF: 2162550.1/14

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 50.440+/-0.011 χ^2/NDF:3132515.5/22

Out: 48.859+/-0.011 χ^2/NDF:4386649.3/25

All: 49.658+/-0.008 χ^2/NDF: 7529207.8/48



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.5/7

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: -0.000+/-0.000 χ^2/NDF:6.0/6

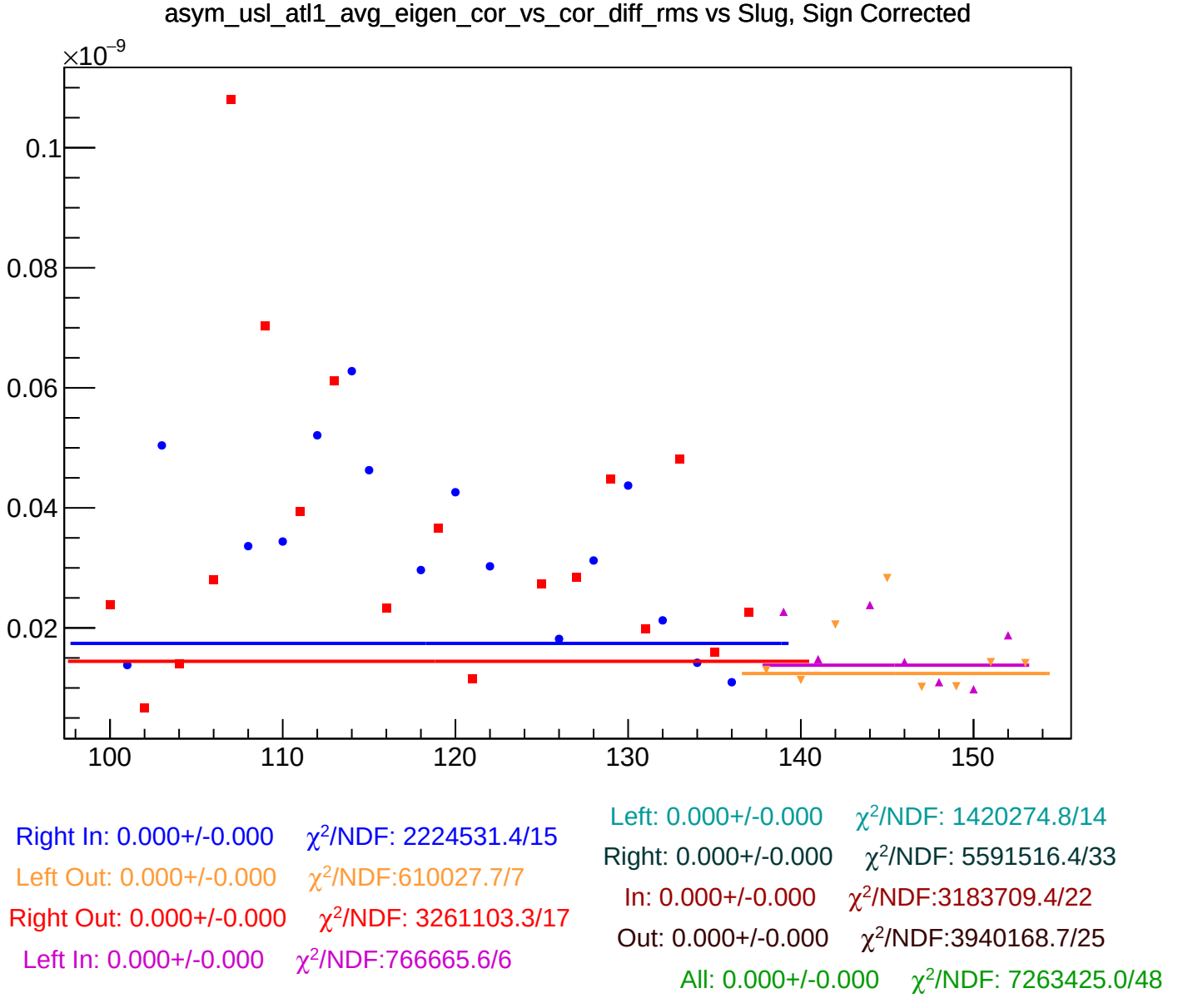
Left: 0.000+/-0.000 χ^2/NDF: 8.9/14

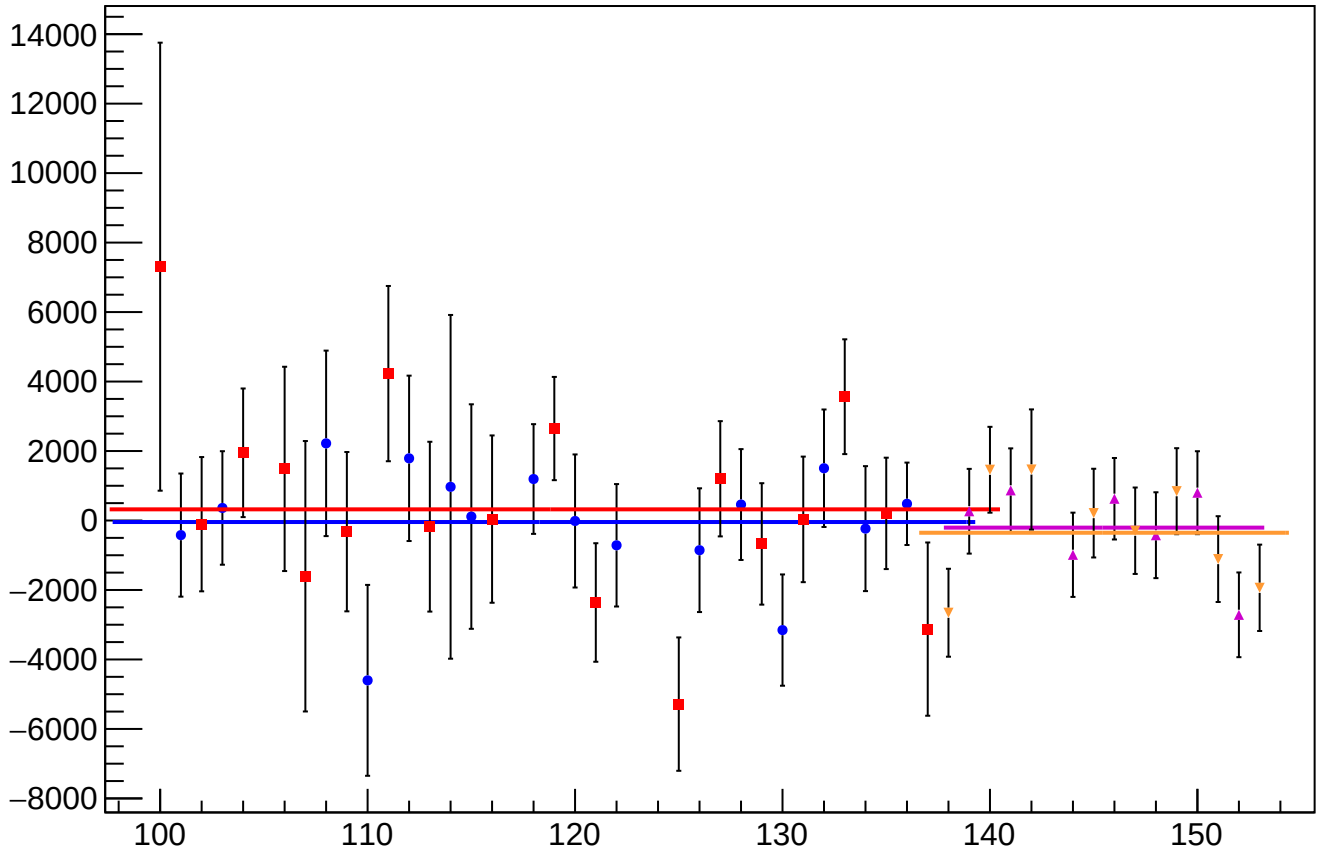
Right: -0.000+/-0.000 χ^2/NDF: 30.1/33

In: -0.000+/-0.000 χ^2/NDF:20.1/22

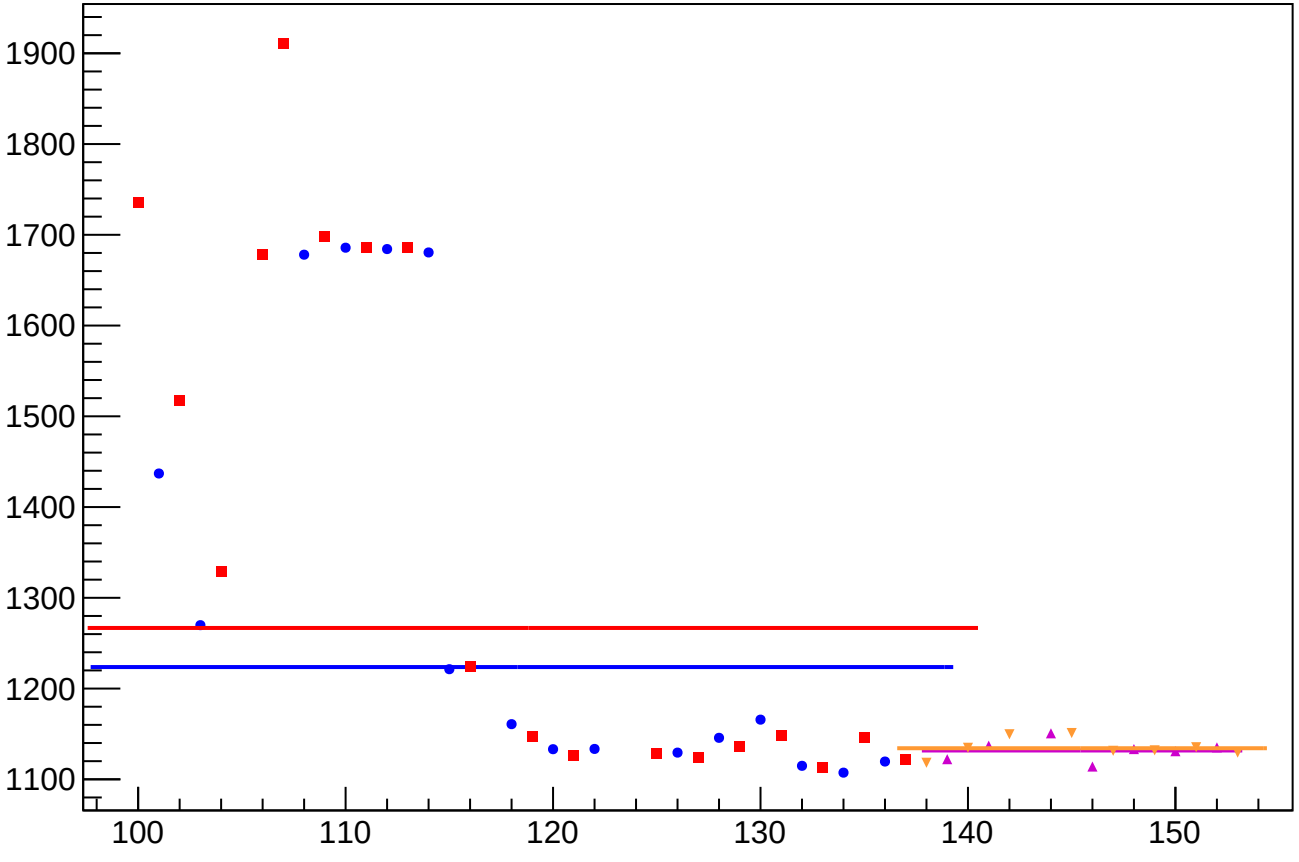
Out: 0.000+/-0.000 χ^2/NDF:18.6/25

All: 0.000+/-0.000 χ^2/NDF: 39.0/48


asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2224531.4/15
Left Out: 0.000+/-0.000 χ²/NDF:610027.7/7
Right Out: 0.000+/-0.000 χ²/NDF: 3261103.3/17
Left In: 0.000+/-0.000 χ²/NDF:766665.6/6
Left: 0.000+/-0.000 χ²/NDF: 1420274.8/14
Right: 0.000+/-0.000 χ²/NDF: 5591516.4/33
In: 0.000+/-0.000 χ²/NDF:3183709.4/22
Out: 0.000+/-0.000 χ²/NDF:3940168.7/25
All: 0.000+/-0.000 χ²/NDF: 7263425.0/48


reg_asym_usl_atl1_dd_mean vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
Right In: -43.681+/-459.222 χ²/NDF: 10.1/15
Left Out: -352.655+/-455.112 χ²/NDF:9.7/7
Right Out: 321.266+/-474.939 χ²/NDF: 24.8/17
Left In: -205.176+/-456.784 χ²/NDF:6.8/6
Left: -279.186+/-322.403 χ²/NDF: 16.6/14
Right: 132.654+/-330.136 χ²/NDF: 35.2/33
In: -124.858+/-323.853 χ²/NDF:17.0/22
Out: -30.055+/-328.599 χ²/NDF:35.5/25
All: -78.146+/-230.658 χ²/NDF: 52.6/48

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1134.253+/-0.322 χ^2/NDF:871.9/7

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

Left In: 1131.769+/-0.323 χ^2/NDF:1123.5/6

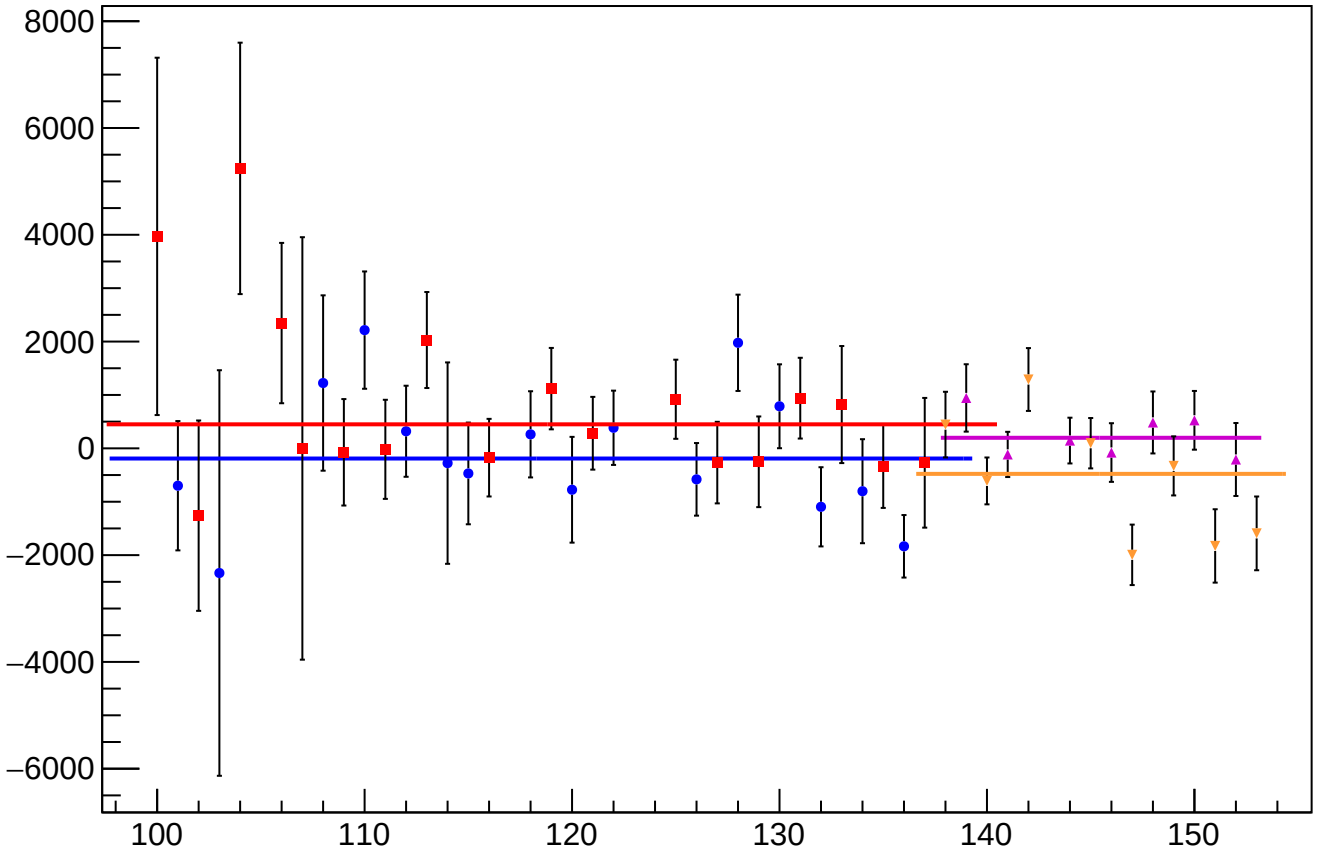
Left: 1133.016+/-0.228 χ^2/NDF: 2025.1/14

Right: 1244.518+/-0.233 χ^2/NDF: 736313.8/33

In: 1177.492+/-0.229 χ^2/NDF:336383.1/22

Out: 1197.693+/-0.232 χ^2/NDF:514898.1/25

All: 1187.445+/-0.163 χ^2/NDF: 855115.2/48



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -478.075+/-196.782 χ^2/NDF:26.6/7

Right Out: 449.847+/-223.203 χ^2/NDF: 16.8/17

Left In: 197.727+/-198.925 χ^2/NDF:3.2/6

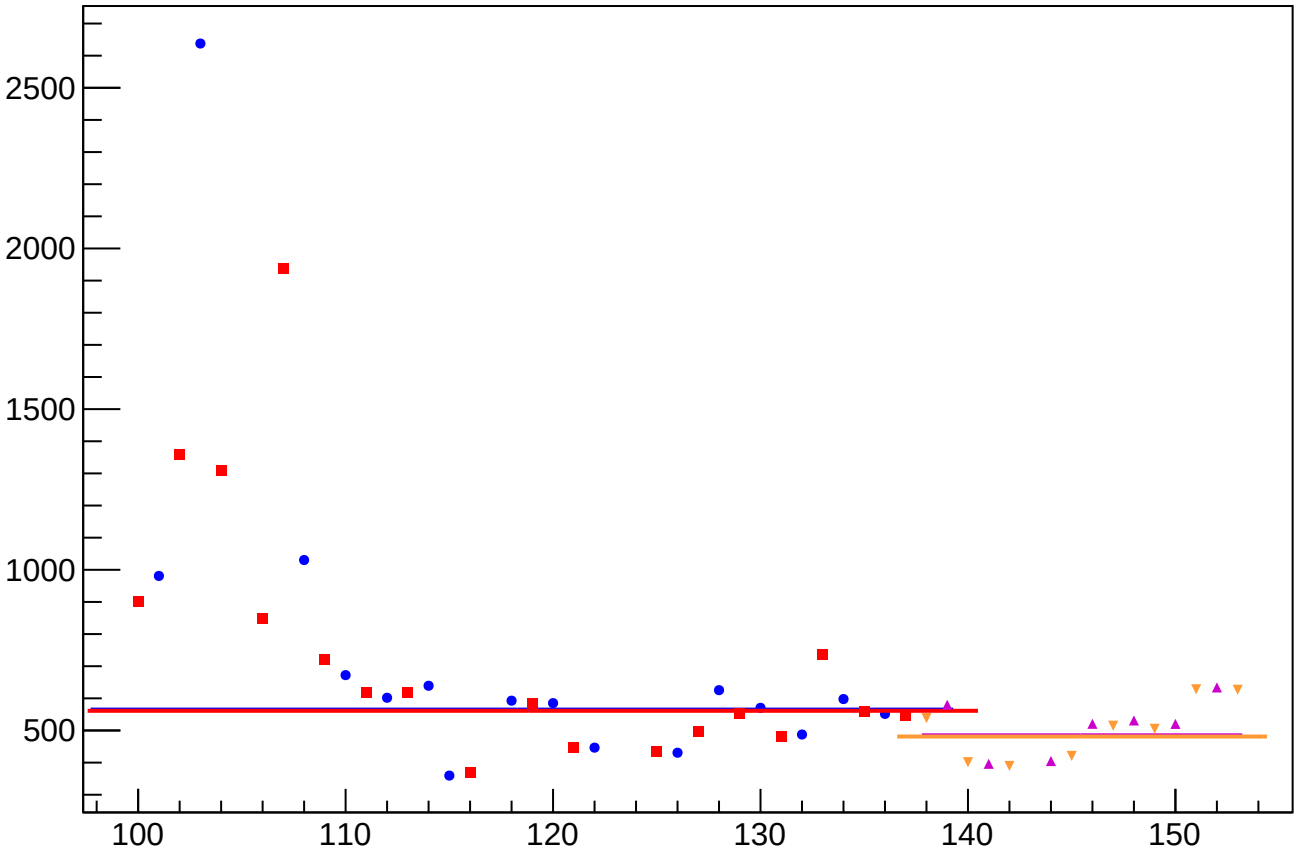
Left: -143.834+/-139.898 χ^2/NDF: 35.5/14

Right: 129.127+/-157.710 χ^2/NDF: 46.2/33

In: 25.522+/-148.407 χ^2/NDF:30.1/22

Out: -72.258+/-147.608 χ^2/NDF:53.1/25

All: -23.632+/-104.656 χ^2/NDF: 83.4/48



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 481.189+/-0.139 χ^2/NDF:356232.2/7

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

Left In: 485.013+/-0.141 χ^2/NDF:327738.6/6

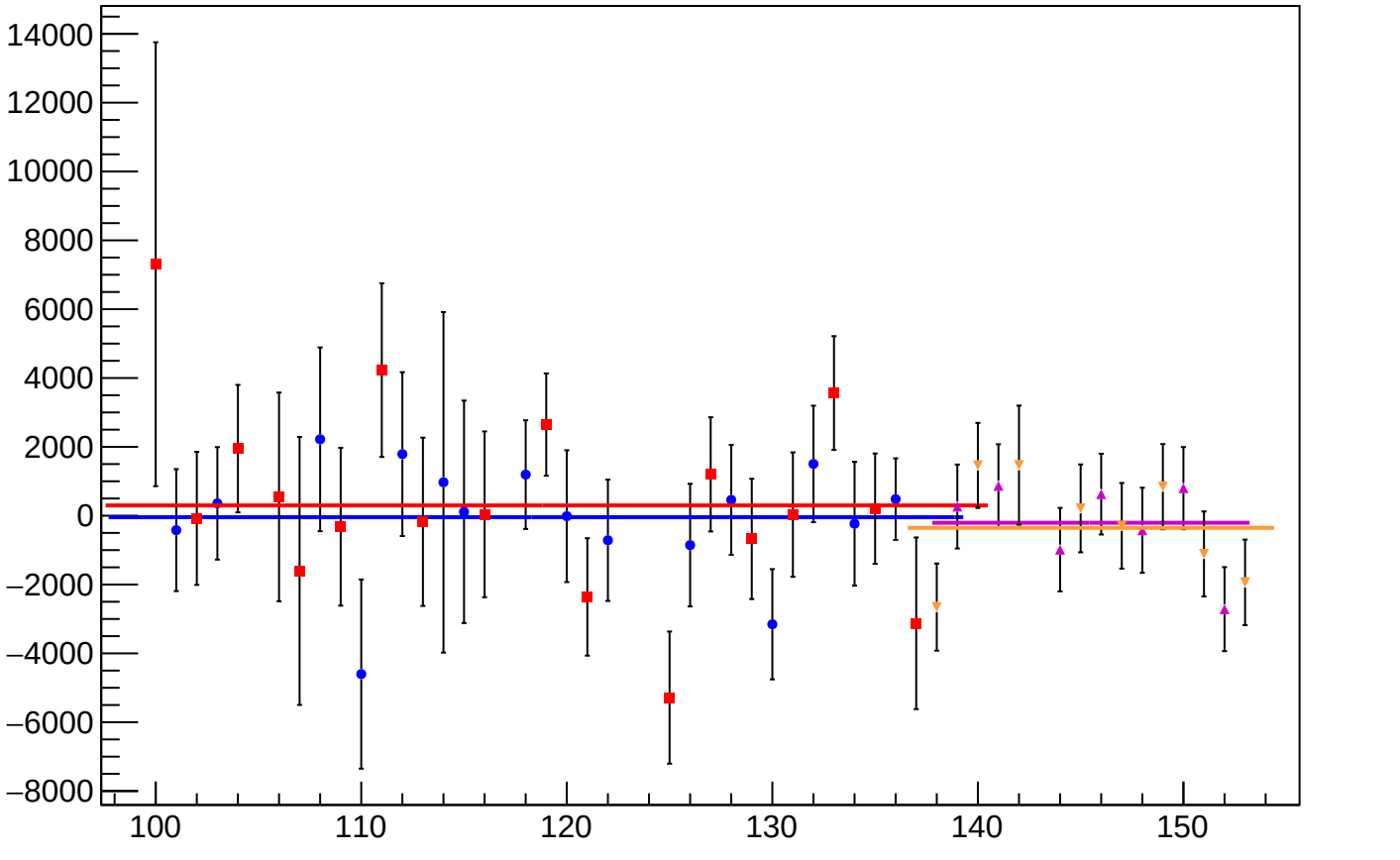
Left: 483.080+/-0.099 χ^2/NDF: 684344.4/14

Right: 563.104+/-0.112 χ^2/NDF: 2636995.6/33

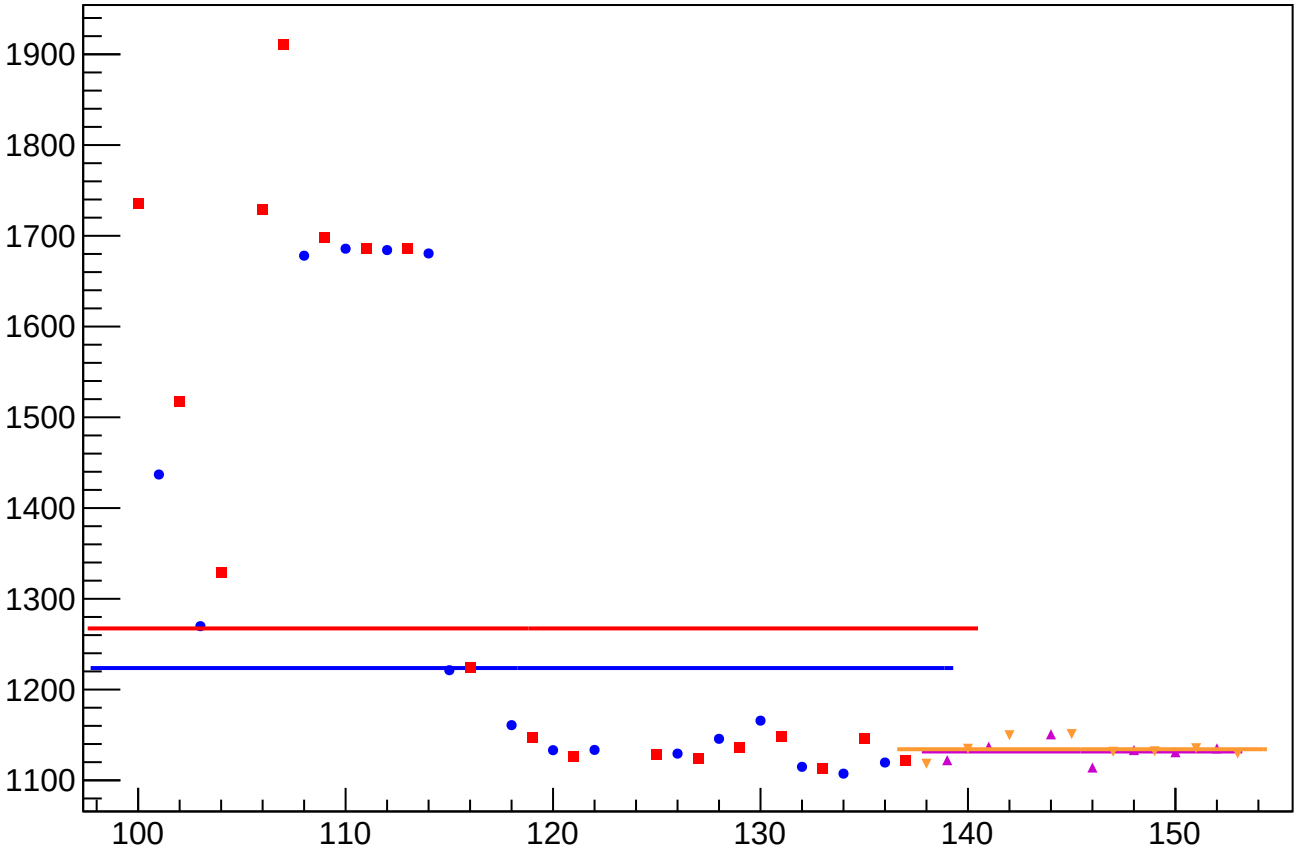
In: 520.462+/-0.105 χ^2/NDF:1755452.4/22

Out: 516.200+/-0.104 χ^2/NDF:1853232.6/25

All: 518.319+/-0.074 χ^2/NDF: 3609514.5/48


cor_asym_usl_atl1_dd_mean vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
Right In: -43.923+/-459.222 χ²/NDF: 10.1/15
Left Out: -352.542+/-455.112 χ²/NDF:9.7/7
Right Out: 298.207+/-475.315 χ²/NDF: 24.6/17
Left In: -205.247+/-456.784 χ²/NDF:6.8/6
Left: -279.165+/-322.403 χ²/NDF: 16.6/14
Right: 121.252+/-330.262 χ²/NDF: 35.0/33
In: -125.014+/-323.853 χ²/NDF:17.0/22
Out: -41.290+/-328.723 χ²/NDF:35.3/25
All: -83.777+/-230.701 χ²/NDF: 52.3/48

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1134.253+/-0.322 χ^2/NDF:871.9/7

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1131.769+/-0.323 χ^2/NDF:1123.5/6

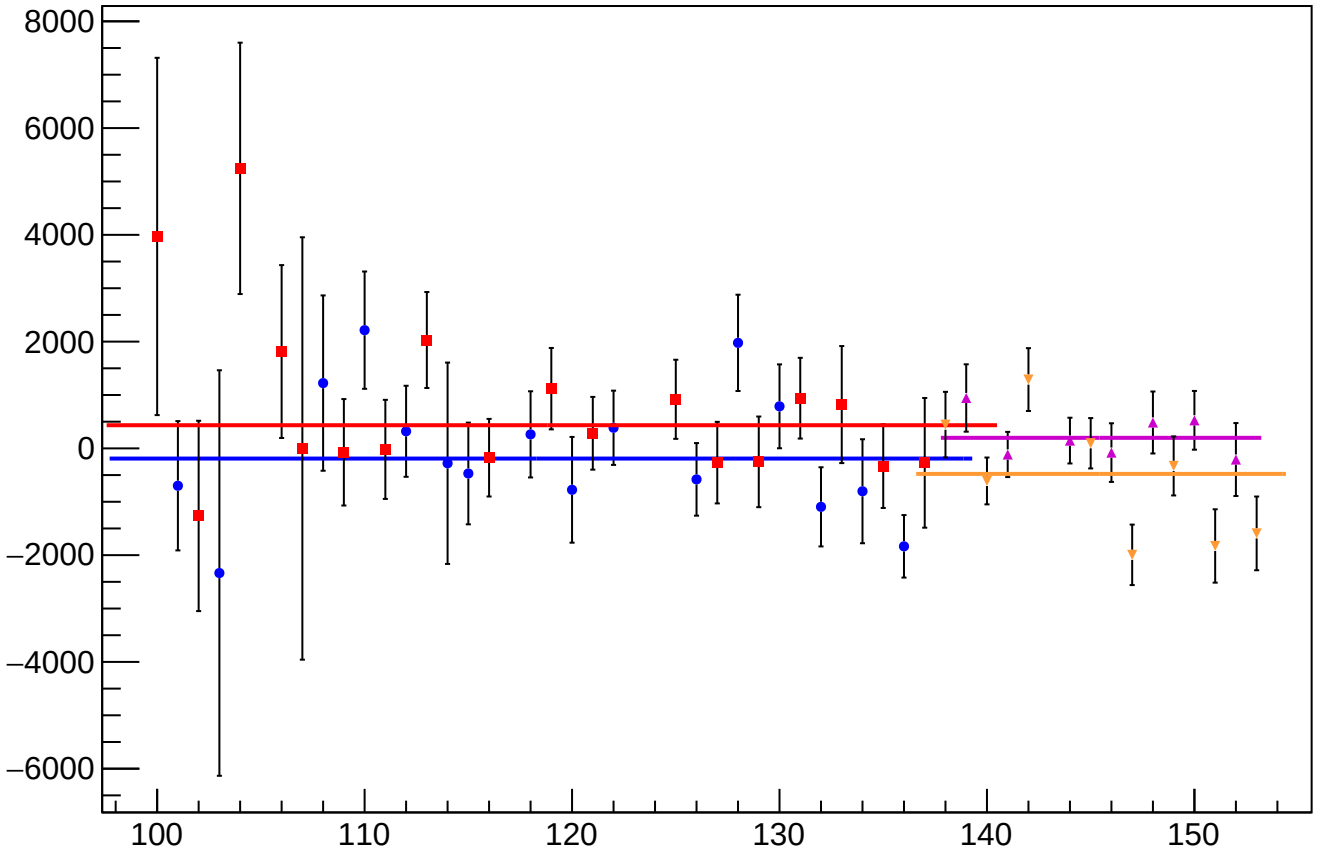
Left: 1133.016+/-0.228 χ^2/NDF: 2025.1/14

Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1177.492+/-0.229 χ^2/NDF:336383.2/22

Out: 1197.919+/-0.232 χ^2/NDF:522683.9/25

All: 1187.553+/-0.163 χ^2/NDF: 862986.2/48



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -478.060+/-196.781 χ^2/NDF:26.5/7

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 197.732+/-198.925 χ^2/NDF:3.2/6

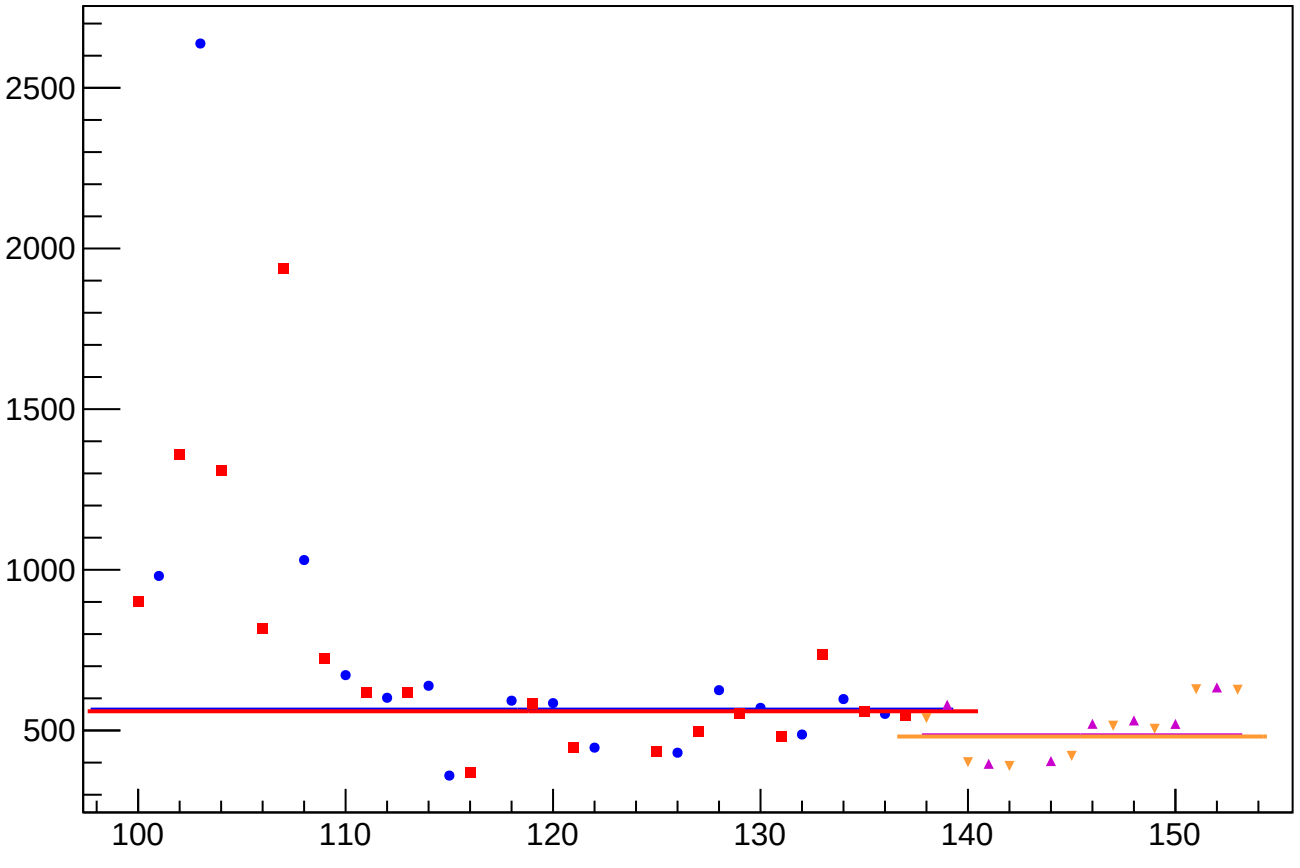
Left: -143.826+/-139.897 χ^2/NDF: 35.5/14

Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 25.518+/-148.407 χ^2/NDF:30.1/22

Out: -79.928+/-147.707 χ^2/NDF:51.9/25

All: -27.454+/-104.691 χ^2/NDF: 82.2/48



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 481.186+/-0.139 χ^2/NDF:356191.9/7

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 485.014+/-0.141 χ^2/NDF:327717.5/6

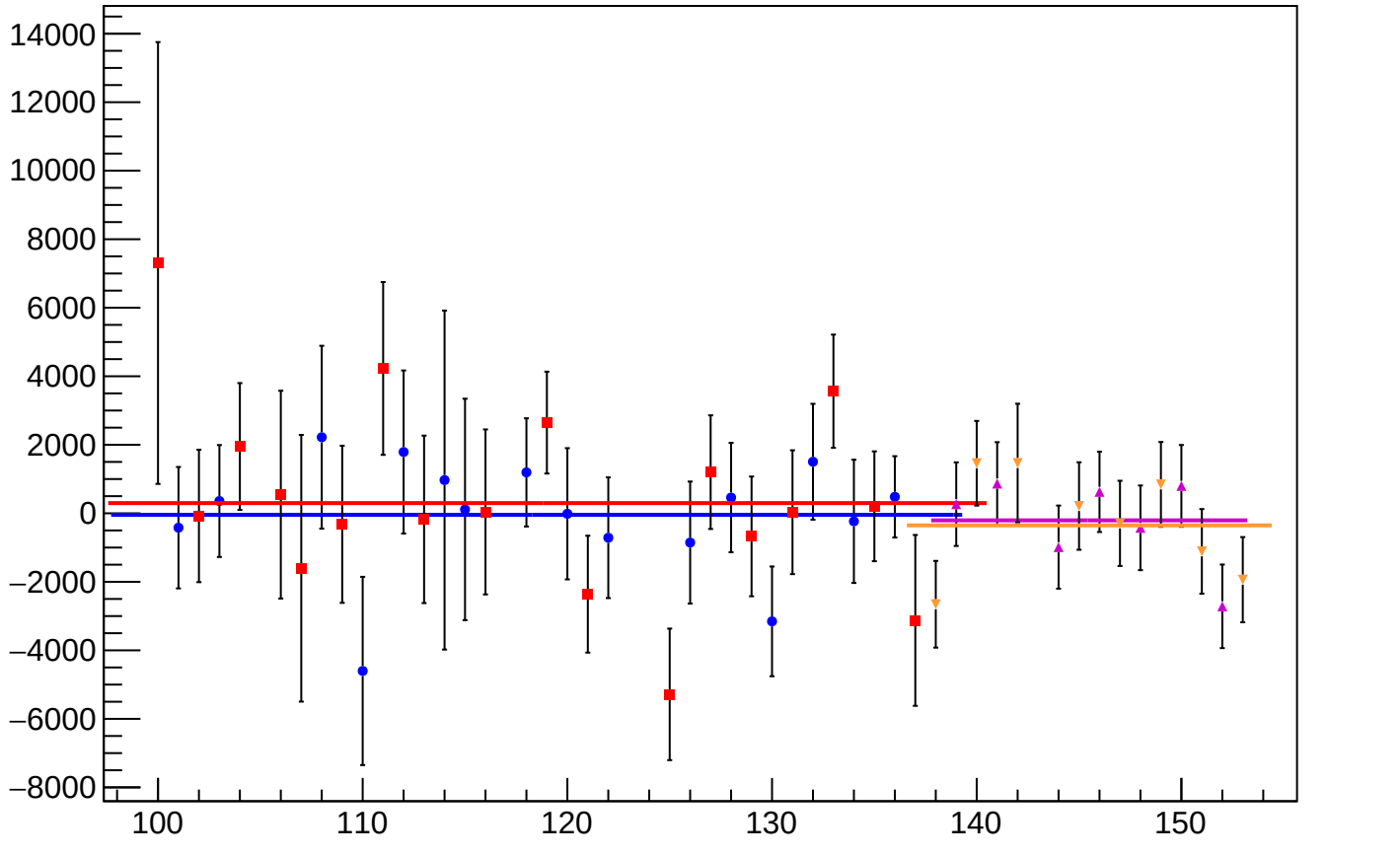
Left: 483.080+/-0.099 χ^2/NDF: 684283.8/14

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

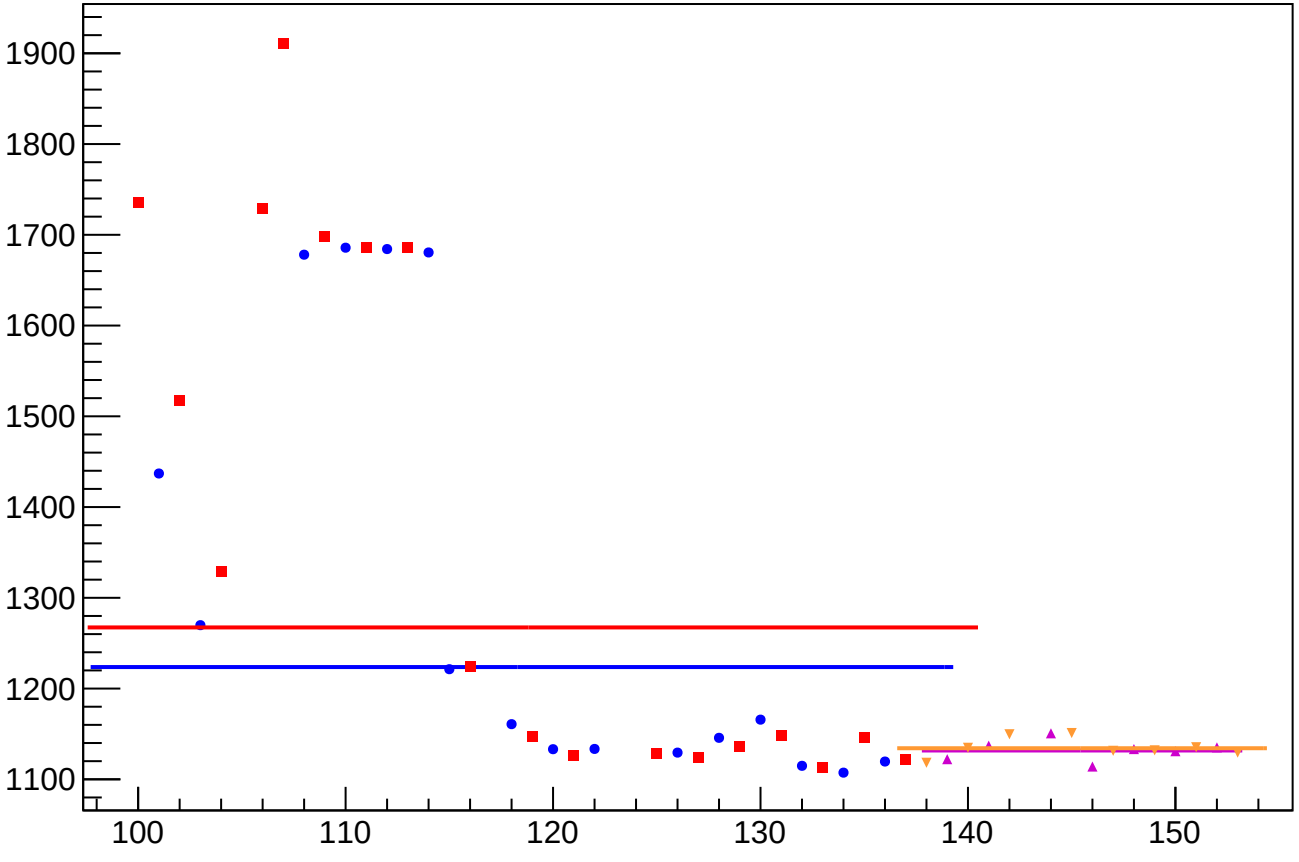
In: 520.461+/-0.105 χ^2/NDF:1755388.9/22

Out: 515.489+/-0.104 χ^2/NDF:1824754.5/25

All: 517.963+/-0.074 χ^2/NDF: 3581271.3/48


eigen_cor_asym_usl_atl1_dd_mean vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
Right In: -43.923+/-459.222 χ²/NDF: 10.1/15
Left Out: -352.542+/-455.112 χ²/NDF:9.7/7
Right Out: 298.207+/-475.315 χ²/NDF: 24.6/17
Left In: -205.247+/-456.784 χ²/NDF:6.8/6
Left: -279.165+/-322.403 χ²/NDF: 16.6/14
Right: 121.252+/-330.262 χ²/NDF: 35.0/33
In: -125.014+/-323.853 χ²/NDF:17.0/22
Out: -41.290+/-328.723 χ²/NDF:35.3/25
All: -83.777+/-230.701 χ²/NDF: 52.3/48

eigen_cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1134.253+/-0.322 χ^2/NDF:871.9/7

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1131.769+/-0.323 χ^2/NDF:1123.5/6

Left: 1133.016+/-0.228 χ^2/NDF: 2025.1/14

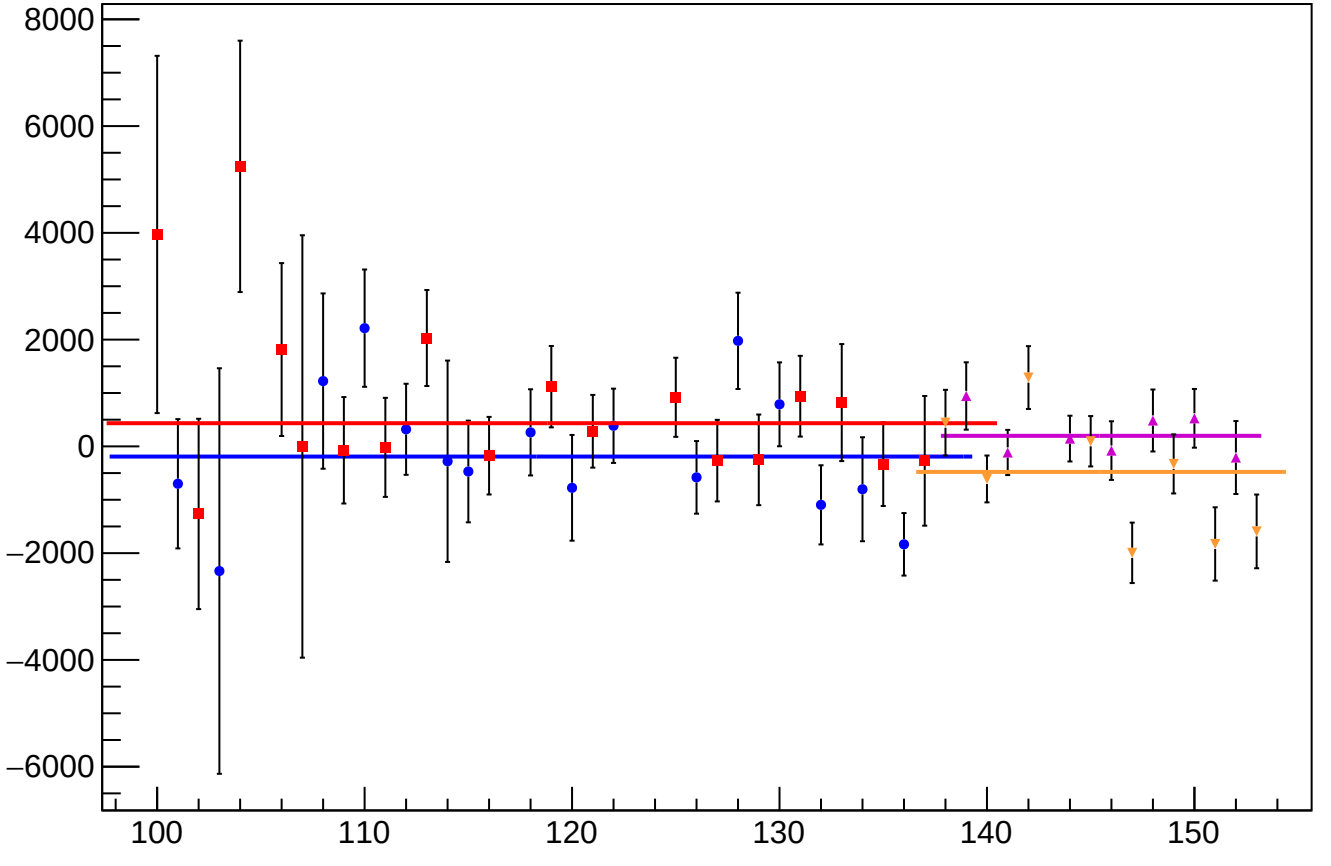
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1177.492+/-0.229 χ^2/NDF:336383.2/22

Out: 1197.919+/-0.232 χ^2/NDF:522683.9/25

All: 1187.553+/-0.163 χ^2/NDF: 862986.2/48

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: -478.060+/-196.781 χ^2/NDF:26.5/7

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 197.732+/-198.925 χ^2/NDF:3.2/6

Left: -143.826+/-139.897 χ^2/NDF: 35.5/14

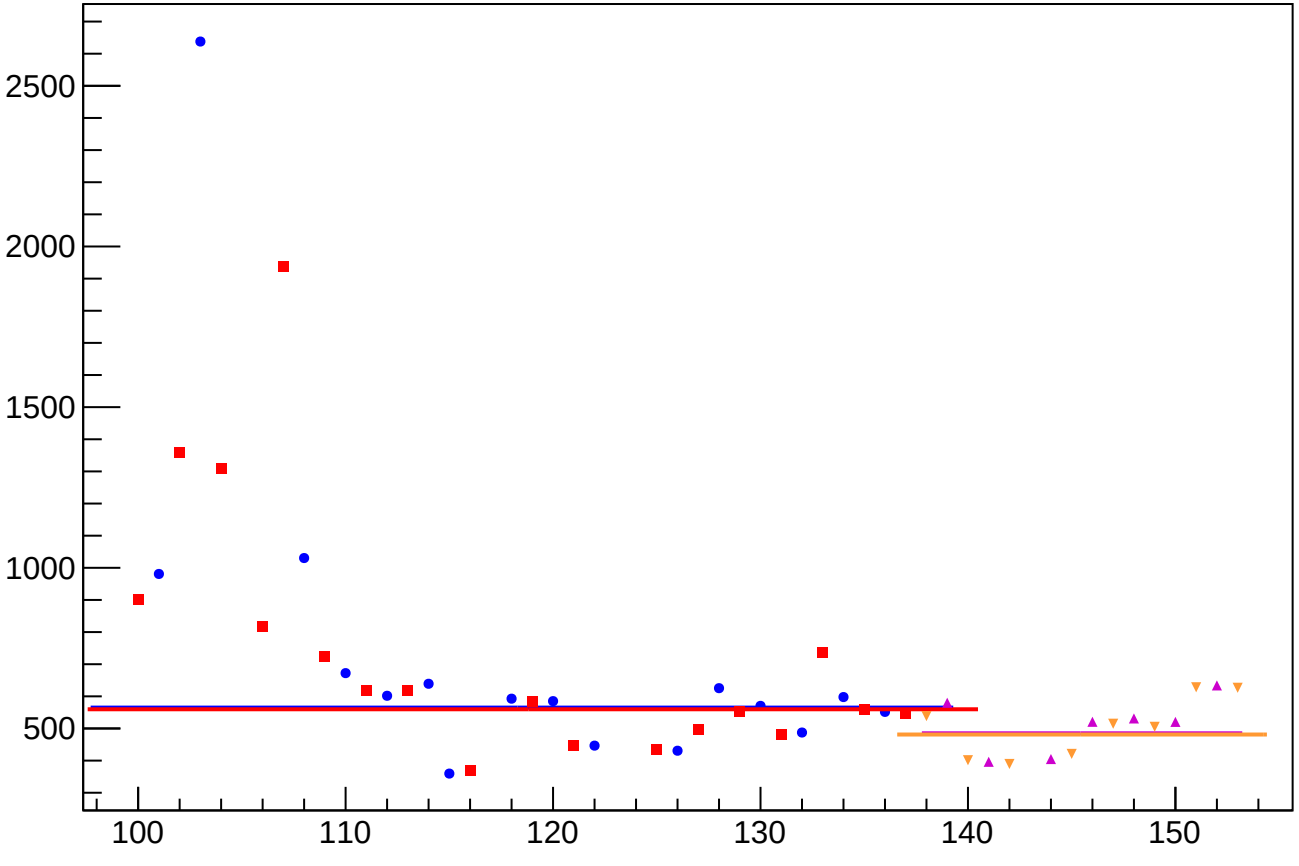
Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 25.518+/-148.407 χ^2/NDF:30.1/22

Out: -79.928+/-147.707 χ^2/NDF:51.9/25

All: -27.454+/-104.691 χ^2/NDF: 82.2/48

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: 481.186+/-0.139 χ^2/NDF:356191.9/7

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 485.014+/-0.141 χ^2/NDF:327717.5/6

Left: 483.080+/-0.099 χ^2/NDF: 684283.8/14

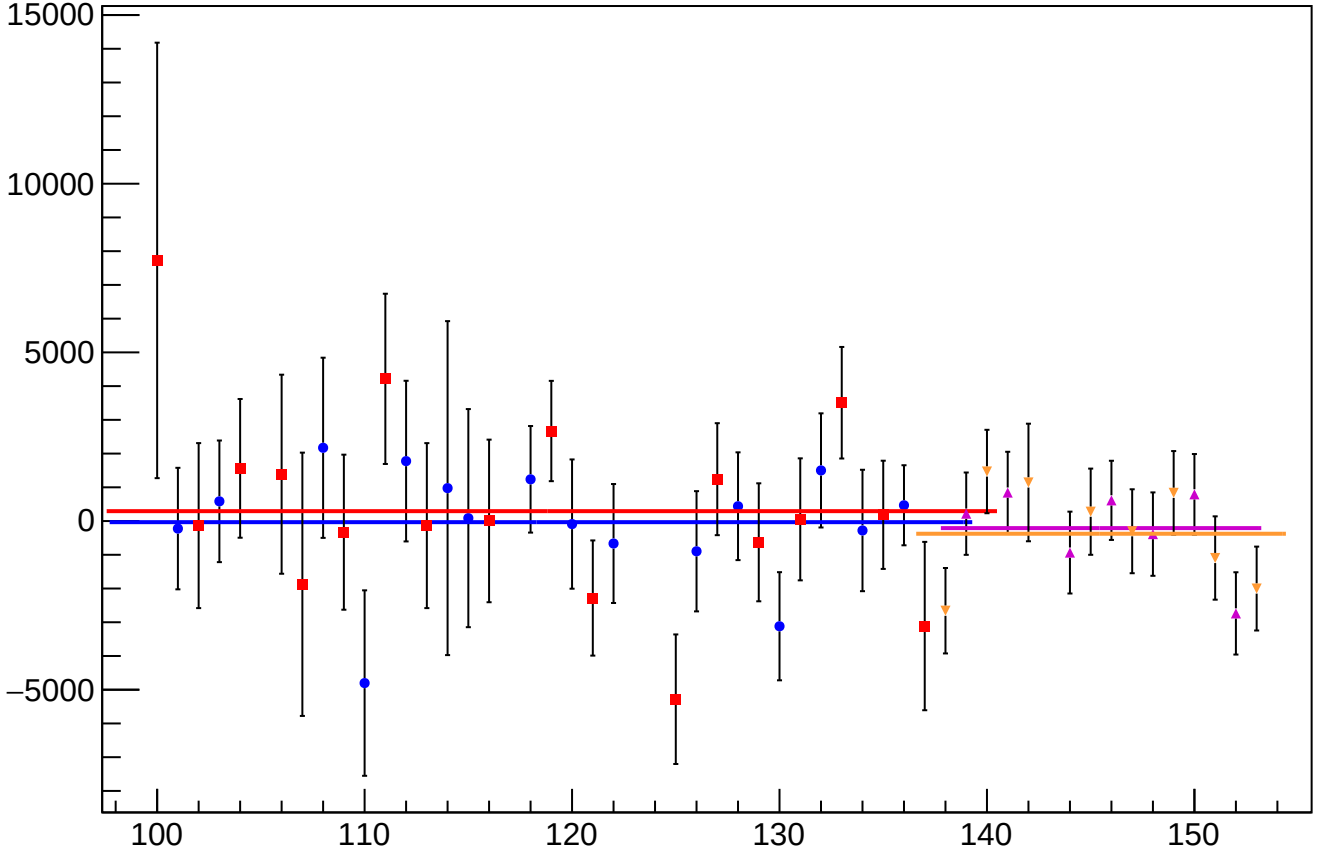
Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 520.461+/-0.105 χ^2/NDF:1755388.9/22

Out: 515.489+/-0.104 χ^2/NDF:1824754.5/25

All: 517.963+/-0.074 χ^2/NDF: 3581271.3/48

dit_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: -376.200+/-455.498 χ^2/NDF:9.5/7

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: -209.299+/-456.956 χ^2/NDF:6.8/6

Left: -293.017+/-322.600 χ^2/NDF: 16.3/14

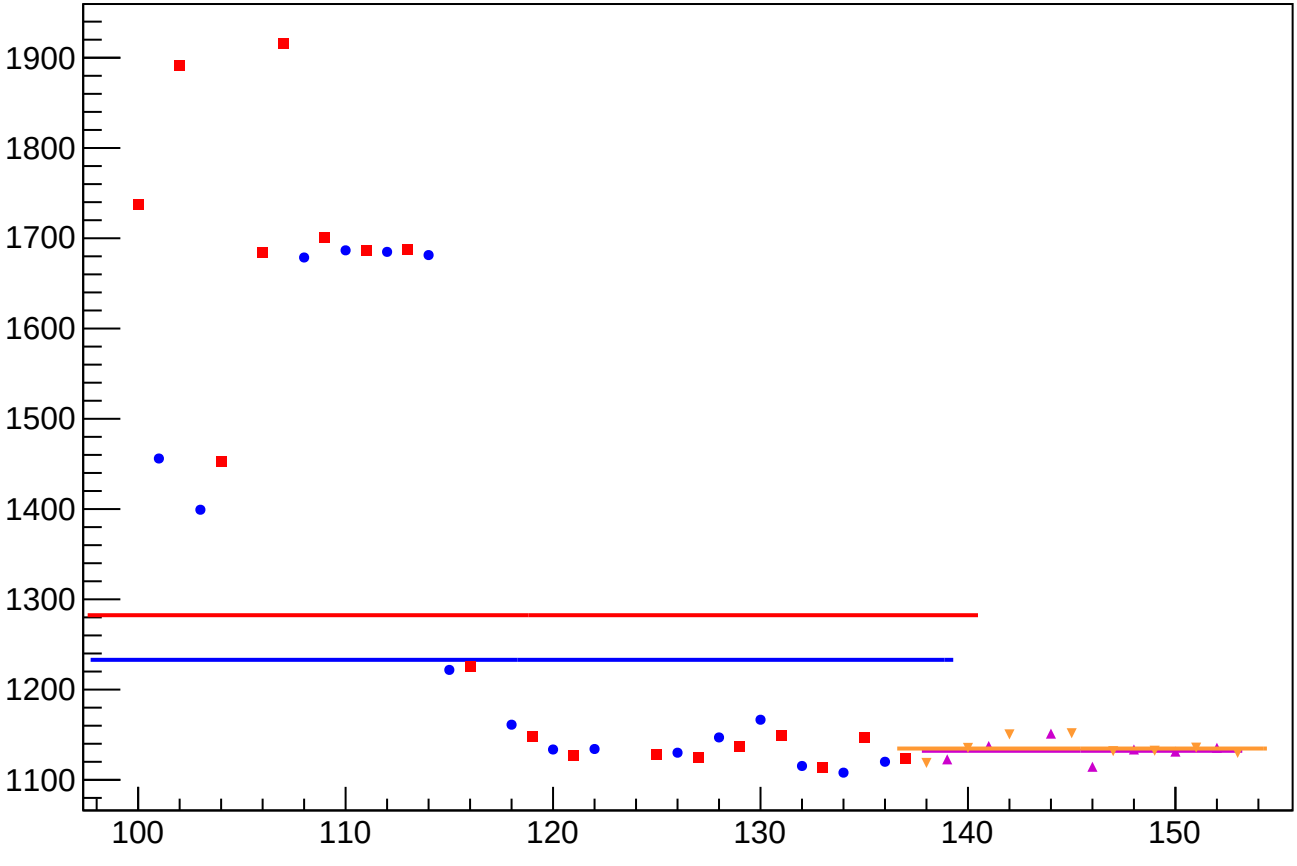
Right: 123.056+/-334.596 χ^2/NDF: 34.7/33

In: -122.380+/-325.307 χ^2/NDF:17.1/22

Out: -61.591+/-331.652 χ^2/NDF:34.8/25

All: -92.572+/-232.238 χ^2/NDF: 51.9/48

dit_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1134.707+/-0.322 χ^2/NDF:882.0/7

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

Left In: 1132.194+/-0.323 χ^2/NDF:1124.3/6

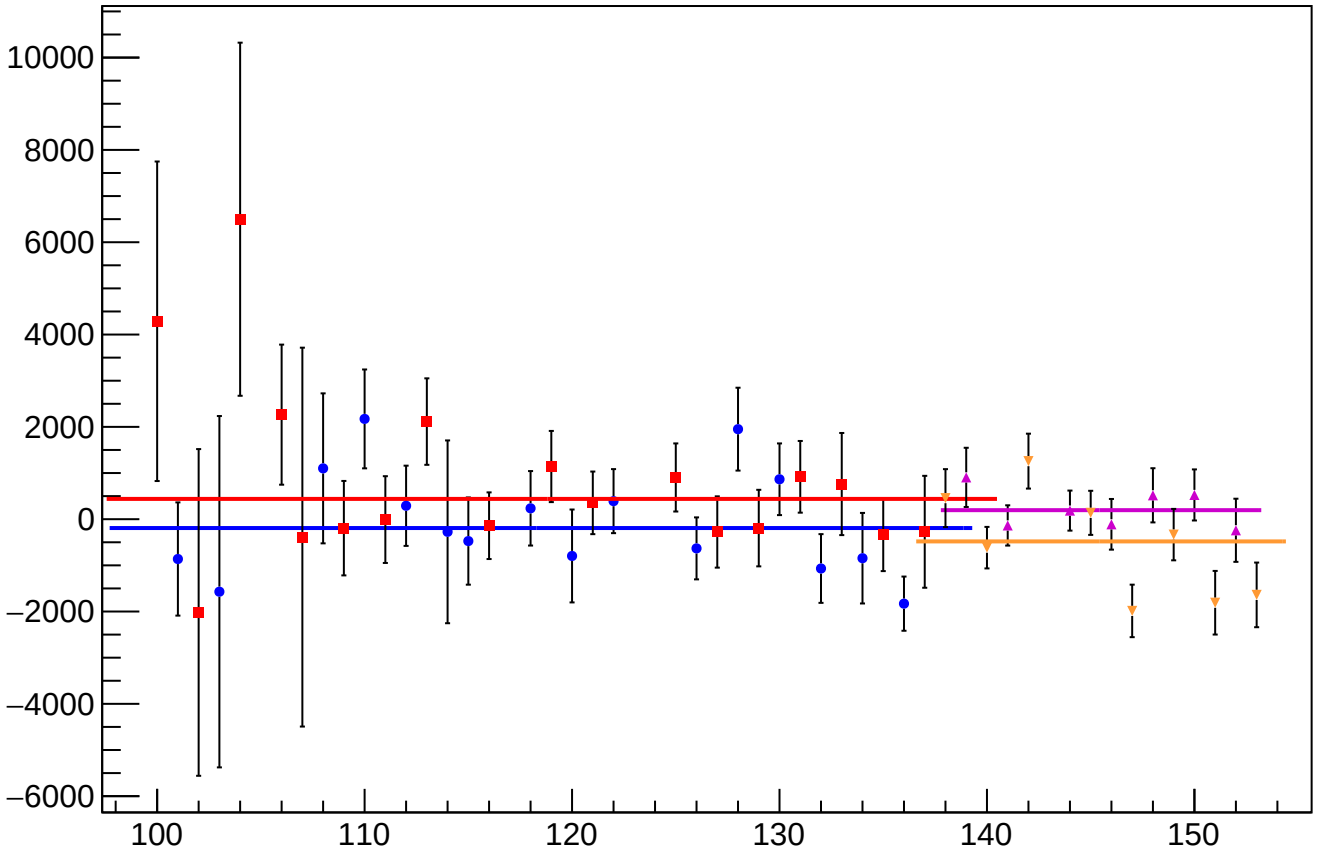
Left: 1133.454+/-0.228 χ^2/NDF: 2036.7/14

Right: 1256.610+/-0.237 χ^2/NDF: 869771.1/33

In: 1181.894+/-0.230 χ^2/NDF:364565.3/22

Out: 1204.105+/-0.235 χ^2/NDF:643092.2/25

All: 1192.785+/-0.164 χ^2/NDF: 1012229.1/48



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: -481.243+/-199.389 χ^2/NDF:26.1/7

Right Out: 439.610+/-226.600 χ^2/NDF: 14.6/17

Left In: 195.693+/-201.500 χ^2/NDF:3.2/6

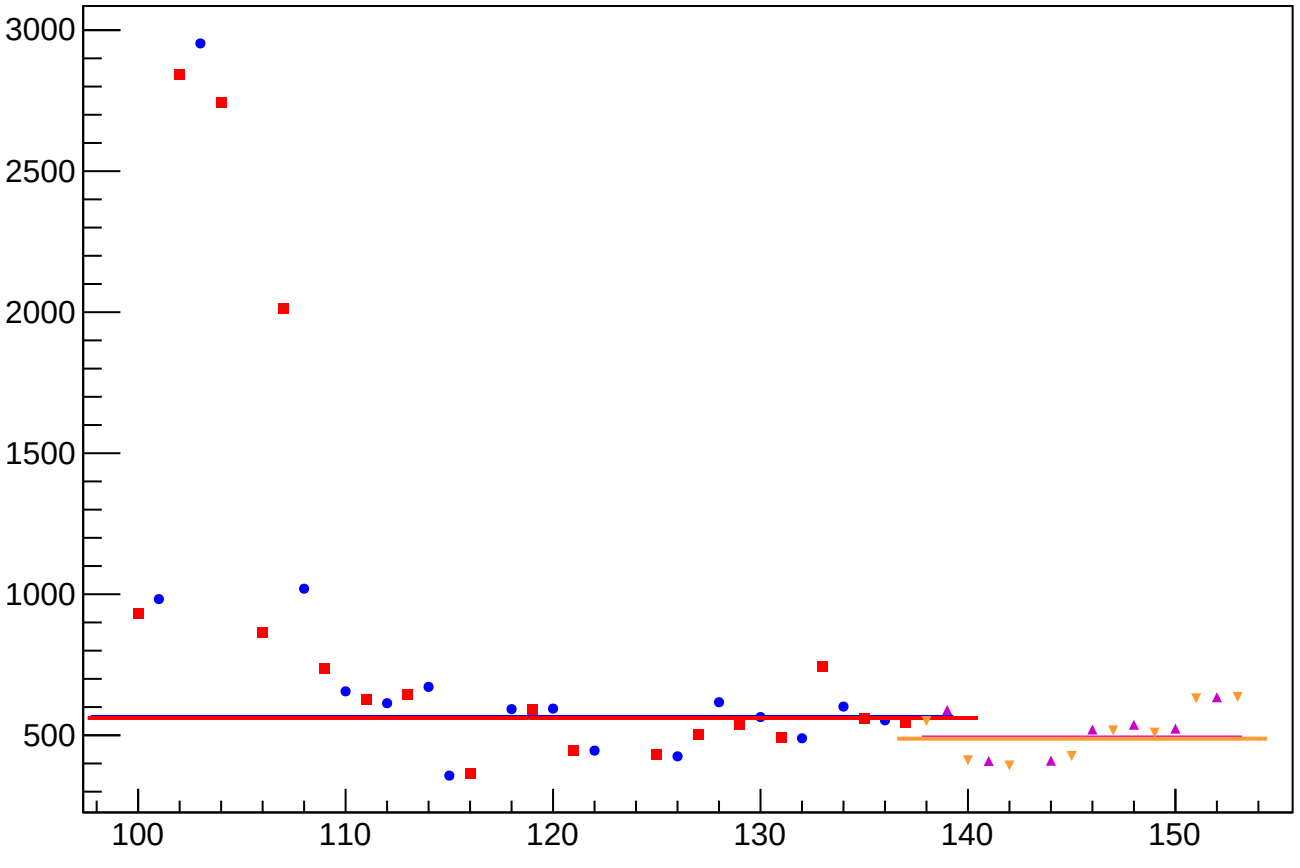
Left: -146.341+/-141.730 χ^2/NDF: 35.0/14

Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: 21.440+/-149.436 χ^2/NDF:30.1/22

Out: -79.401+/-149.690 χ^2/NDF:50.0/25

All: -28.894+/-105.757 χ^2/NDF: 80.4/48



Right In: 564.871+/-0.158 χ^2/NDF: 1480375.5/15

Left Out: 487.947+/-0.141 χ^2/NDF:345206.7/7

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

Left In: 492.046+/-0.142 χ^2/NDF:301591.3/6

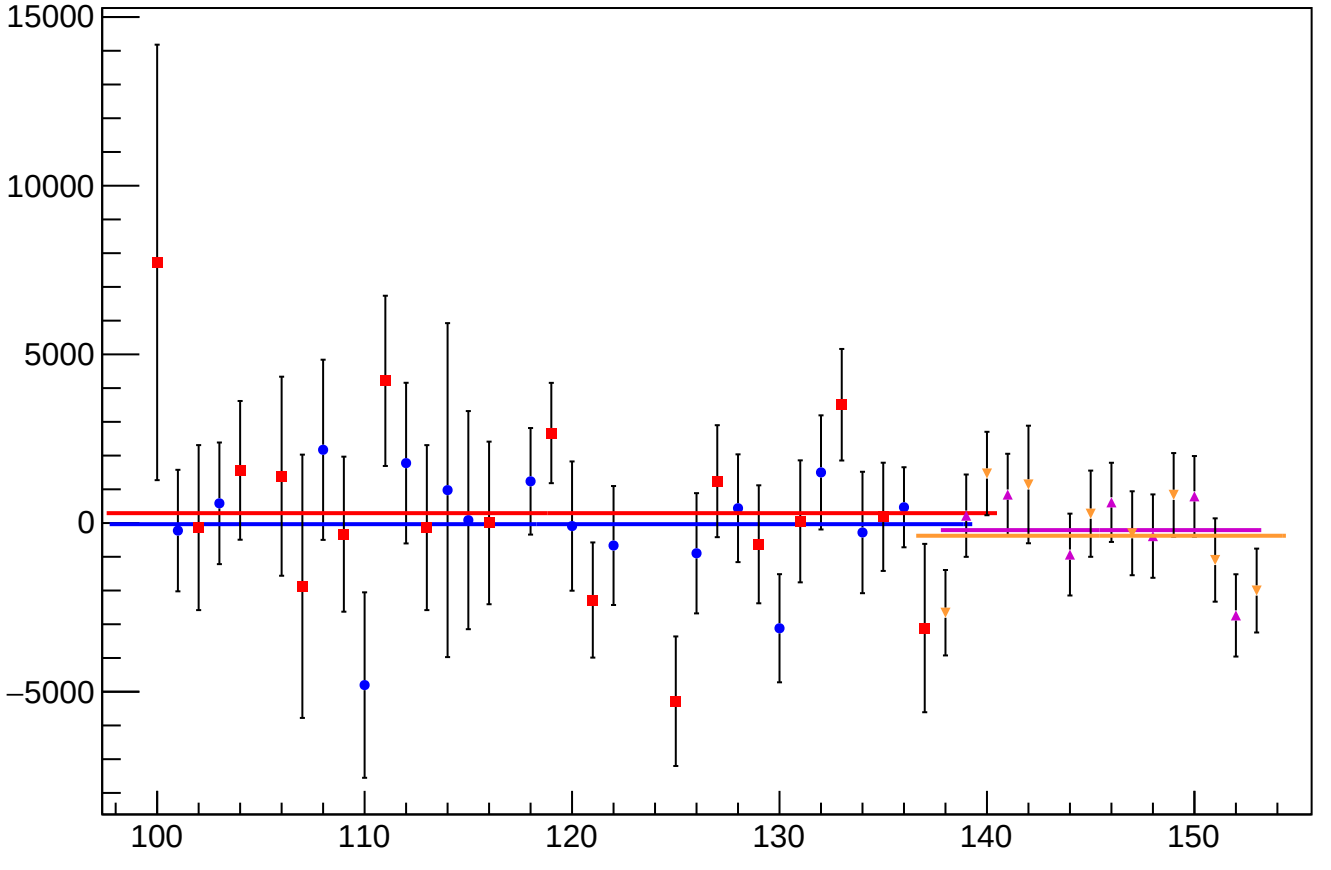
Left: 489.975+/-0.100 χ^2/NDF: 647216.0/14

Right: 563.103+/-0.112 χ^2/NDF: 3754003.6/33

In: 524.818+/-0.106 χ^2/NDF:1899526.1/22

Out: 519.945+/-0.106 χ^2/NDF:2736612.5/25

All: 522.386+/-0.075 χ^2/NDF: 4637199.9/48



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: -376.203+/-455.498 χ^2/NDF:9.5/7

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: -209.298+/-456.956 χ^2/NDF:6.8/6

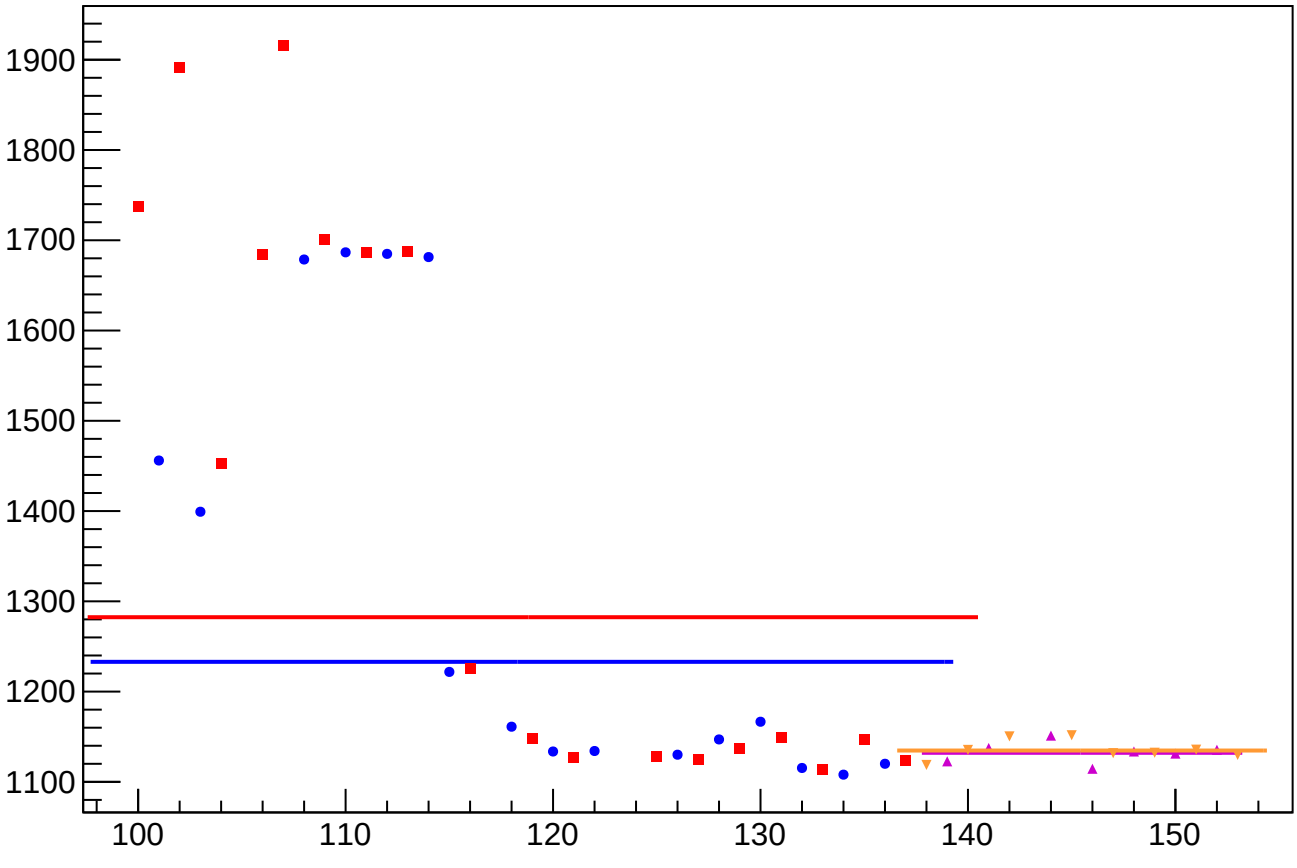
Left: -293.017+/-322.600 χ^2/NDF: 16.3/14

Right: 123.057+/-334.596 χ^2/NDF: 34.7/33

In: -122.379+/-325.307 χ^2/NDF:17.1/22

Out: -61.593+/-331.652 χ^2/NDF:34.8/25

All: -92.573+/-232.238 χ^2/NDF: 51.9/48



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1134.707+/-0.322 χ^2/NDF:882.0/7

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

Left In: 1132.194+/-0.323 χ^2/NDF:1124.3/6

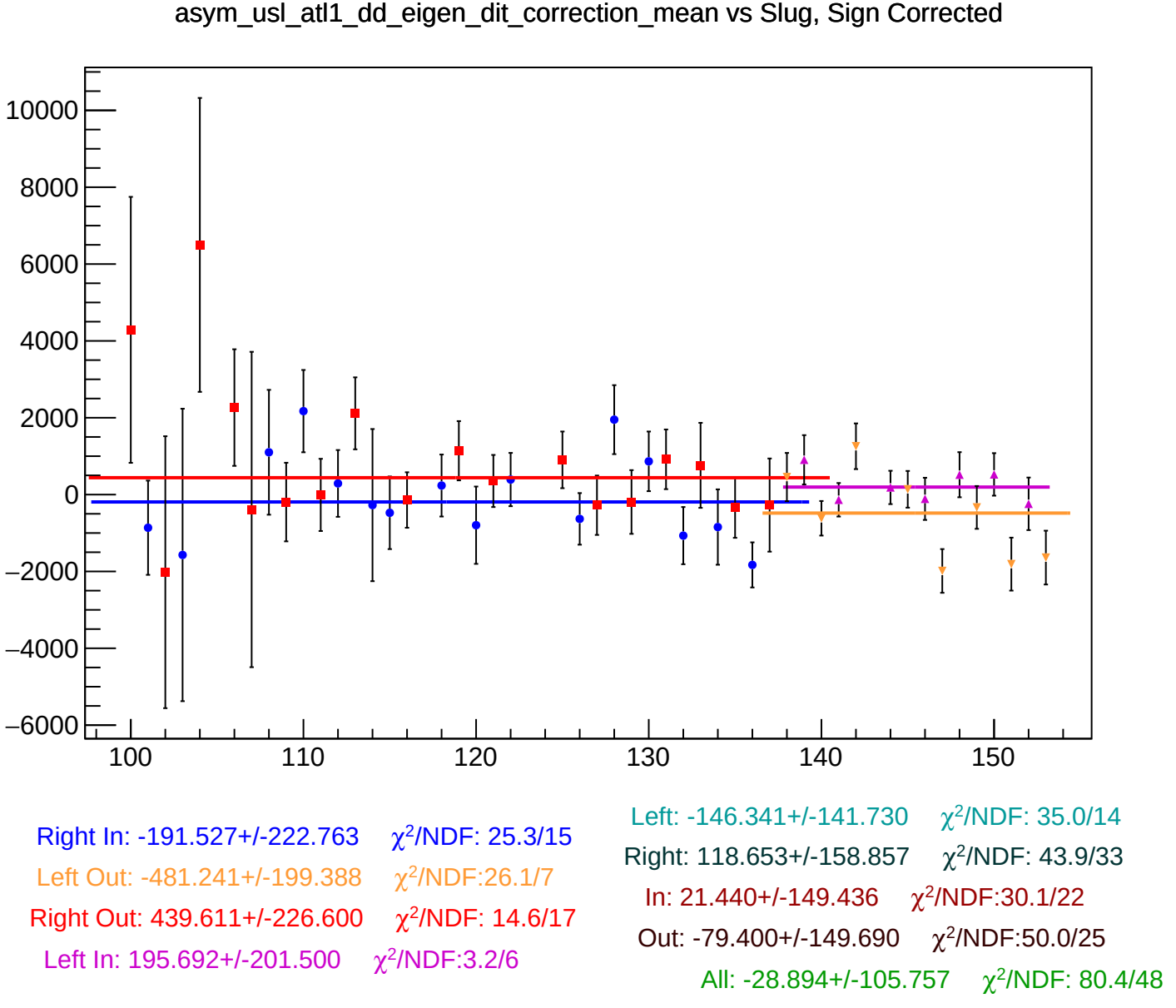
Left: 1133.454+/-0.228 χ^2/NDF: 2036.7/14

Right: 1256.610+/-0.237 χ^2/NDF: 869770.2/33

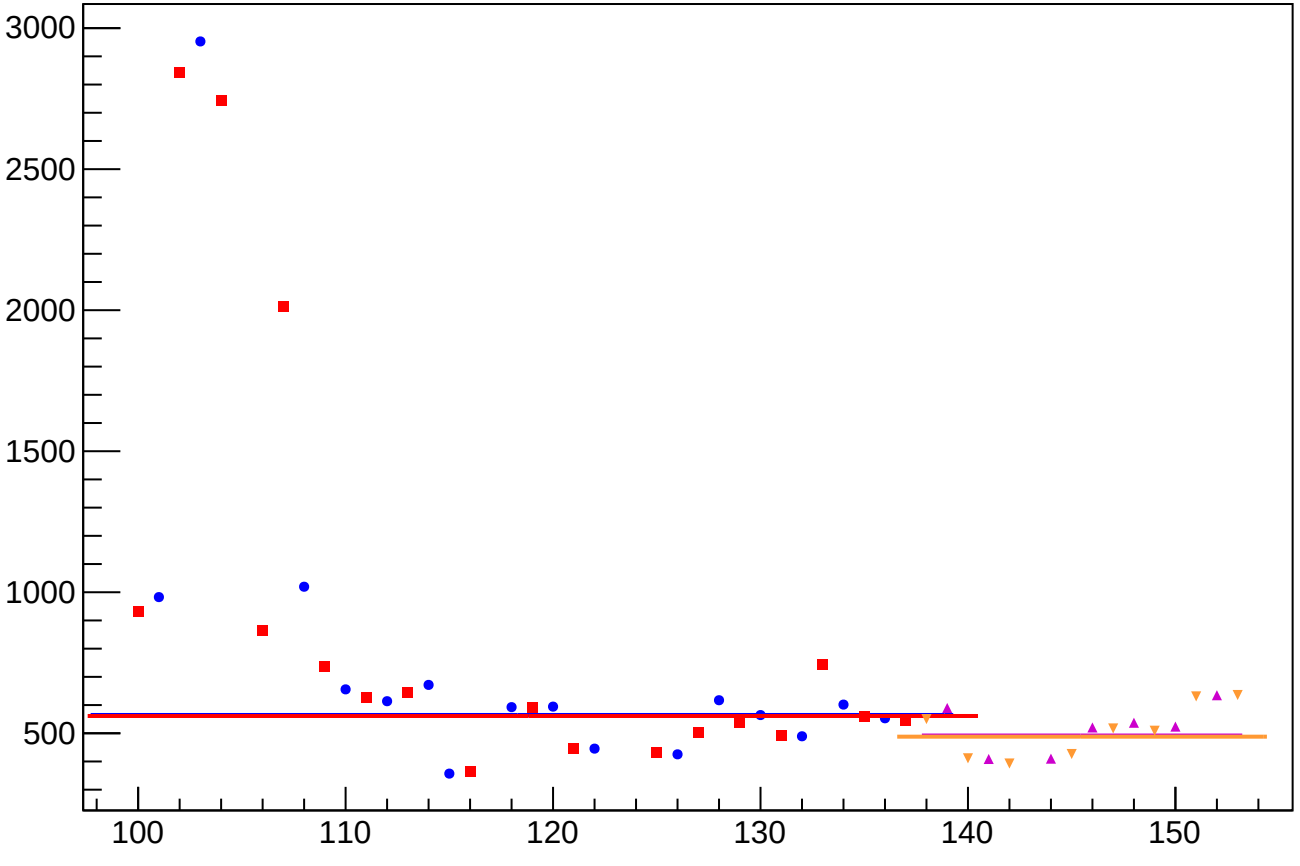
In: 1181.894+/-0.230 χ^2/NDF:364564.8/22

Out: 1204.105+/-0.235 χ^2/NDF:643091.6/25

All: 1192.785+/-0.164 χ^2/NDF: 1012228.0/48


asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
Right In: -191.527+/-222.763 χ²/NDF: 25.3/15
Left Out: -481.241+/-199.388 χ²/NDF:26.1/7
Right Out: 439.611+/-226.600 χ²/NDF: 14.6/17
Left In: 195.692+/-201.500 χ²/NDF:3.2/6
Left: -146.341+/-141.730 χ²/NDF: 35.0/14
Right: 118.653+/-158.857 χ²/NDF: 43.9/33
In: 21.440+/-149.436 χ²/NDF:30.1/22
Out: -79.400+/-149.690 χ²/NDF:50.0/25
All: -28.894+/-105.757 χ²/NDF: 80.4/48

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 564.871+/-0.158 χ^2/NDF: 1480372.9/15

Left Out: 487.946+/-0.141 χ^2/NDF:345220.0/7

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

Left In: 492.045+/-0.142 χ^2/NDF:301600.2/6

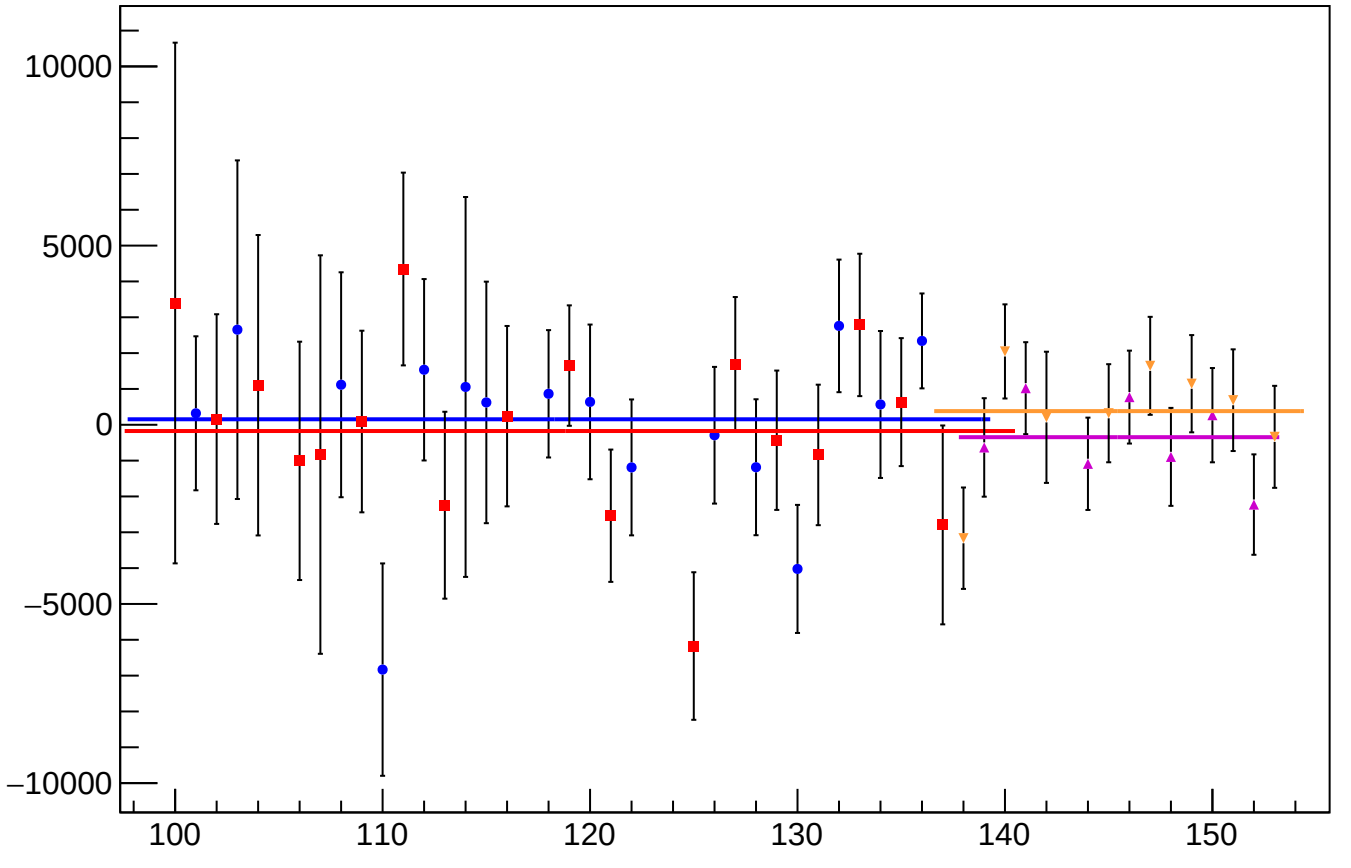
Left: 489.974+/-0.100 χ^2/NDF: 647238.3/14

Right: 563.103+/-0.112 χ^2/NDF: 3754001.7/33

In: 524.817+/-0.106 χ^2/NDF:1899534.2/22

Out: 519.945+/-0.106 χ^2/NDF:2736629.2/25

All: 522.385+/-0.075 χ^2/NDF: 4637224.8/48



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: 381.128+/-501.276 χ^2/NDF:9.4/7

Right Out: -174.319+/-550.153 χ^2/NDF: 19.7/17

Left In: -346.052+/-502.711 χ^2/NDF:4.4/6

Left: 18.578+/-354.962 χ^2/NDF: 14.9/14

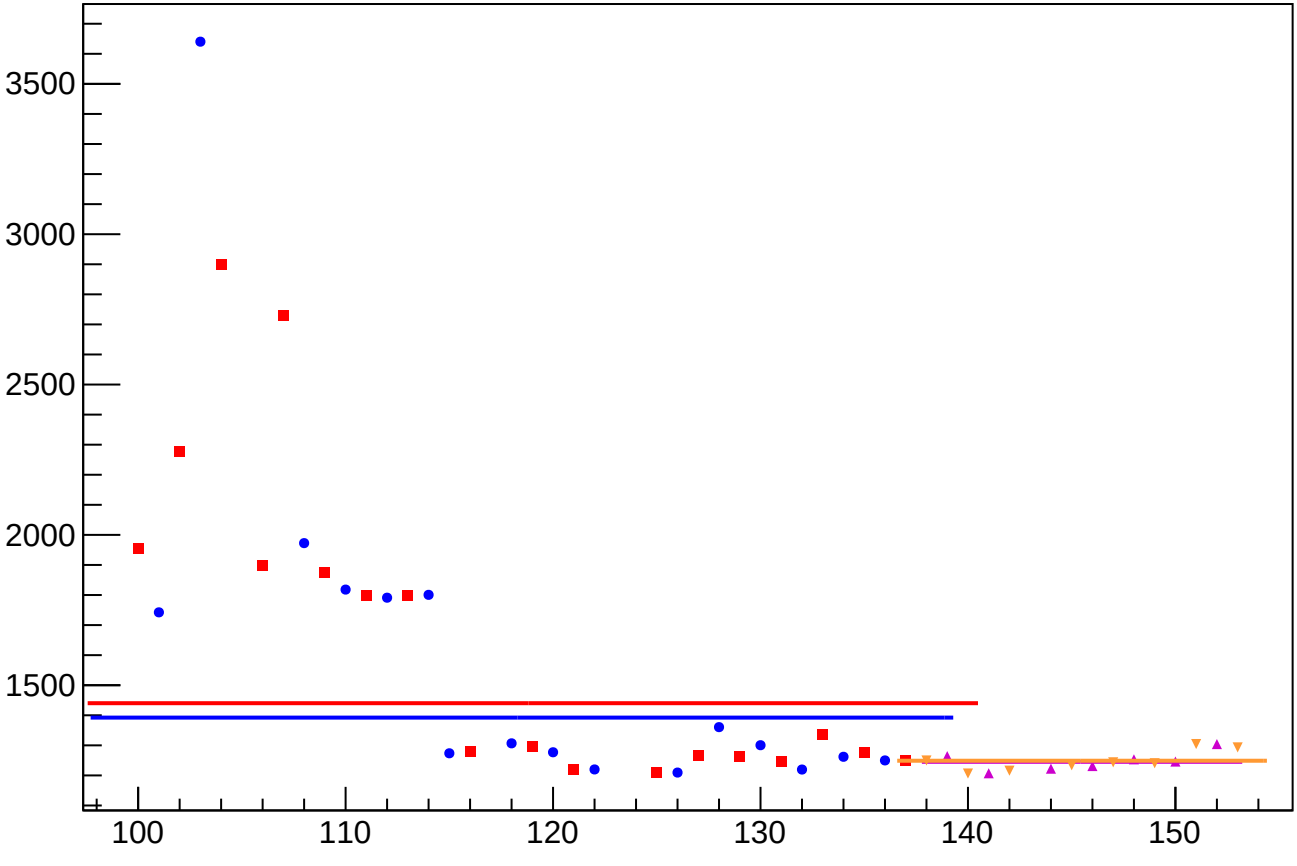
Right: -5.006+/-382.473 χ^2/NDF: 37.6/33

In: -110.509+/-365.417 χ^2/NDF:22.7/22

Out: 129.170+/-370.533 χ^2/NDF:29.6/25

All: 7.665+/-260.179 χ^2/NDF: 52.5/48

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1248.845+/-0.354 χ^2/NDF:8105.3/7

Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1245.214+/-0.355 χ^2/NDF:6628.1/6

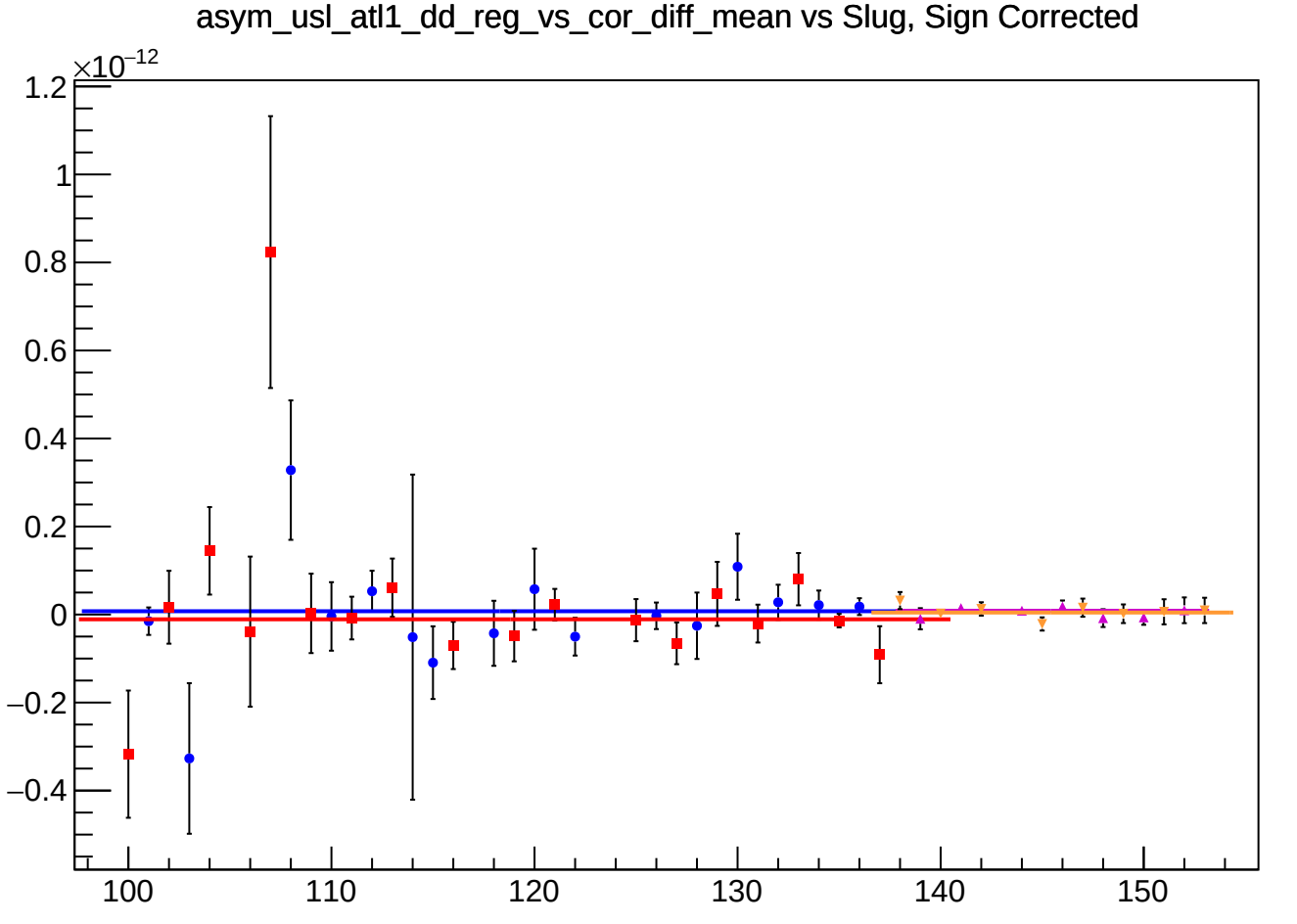
Left: 1247.034+/-0.251 χ^2/NDF: 14785.7/14

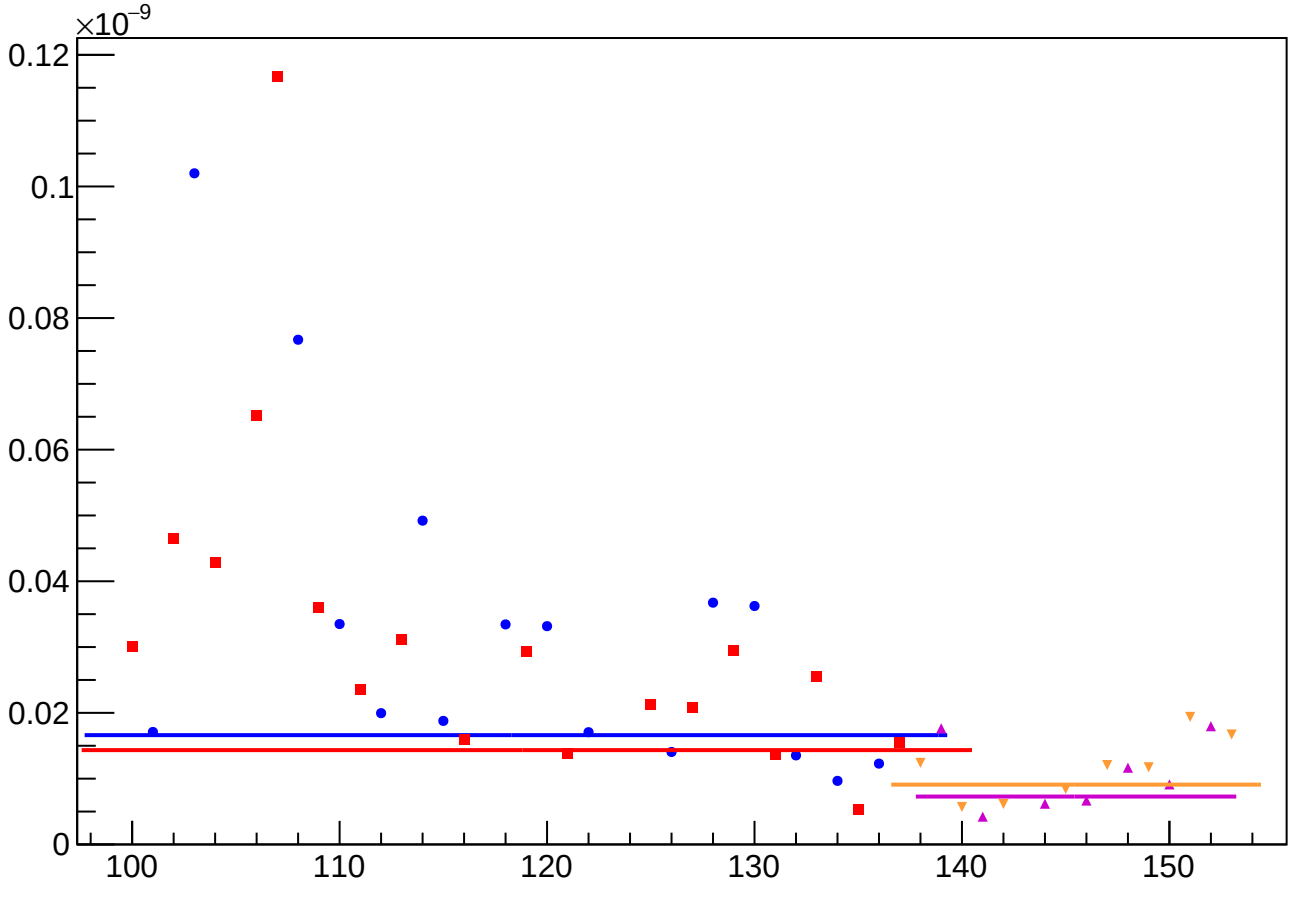
Right: 1415.461+/-0.270 χ^2/NDF: 1641967.9/33

In: 1314.583+/-0.258 χ^2/NDF:866616.4/22

Out: 1335.656+/-0.262 χ^2/NDF:995225.6/25

All: 1324.973+/-0.184 χ^2/NDF: 1865121.5/48


asym_usl_atl1_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 16.9/15
Left Out: 0.000+/-0.000 χ²/NDF:5.6/7
Right Out: -0.000+/-0.000 χ²/NDF: 24.0/17
Left In: 0.000+/-0.000 χ²/NDF:3.0/6
Left: 0.000+/-0.000 χ²/NDF: 8.8/14
Right: -0.000+/-0.000 χ²/NDF: 42.4/33
In: 0.000+/-0.000 χ²/NDF:19.9/22
Out: 0.000+/-0.000 χ²/NDF:31.2/25
All: 0.000+/-0.000 χ²/NDF: 52.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:797934.1/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

Left In: 0.000+/-0.000 χ^2/NDF:996305.2/6

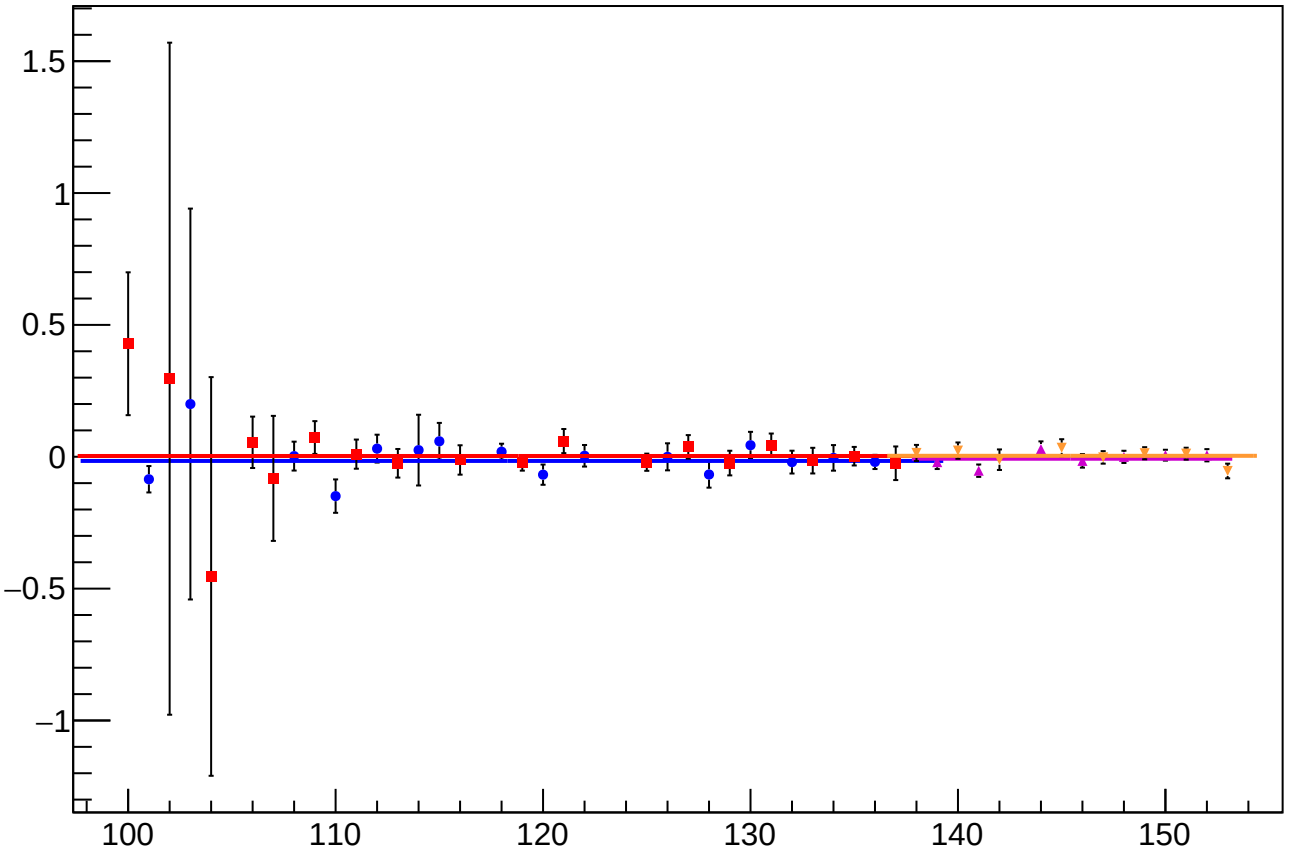
Left: 0.000+/-0.000 χ^2/NDF: 1892507.9/14

Right: 0.000+/-0.000 χ^2/NDF: 3876075.8/33

In: 0.000+/-0.000 χ^2/NDF:3751874.1/22

Out: 0.000+/-0.000 χ^2/NDF:3422468.2/25

All: 0.000+/-0.000 χ^2/NDF: 7237764.0/48



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.004+/-0.010 χ^2/NDF:6.2/7

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.007+/-0.009 χ^2/NDF:6.5/6

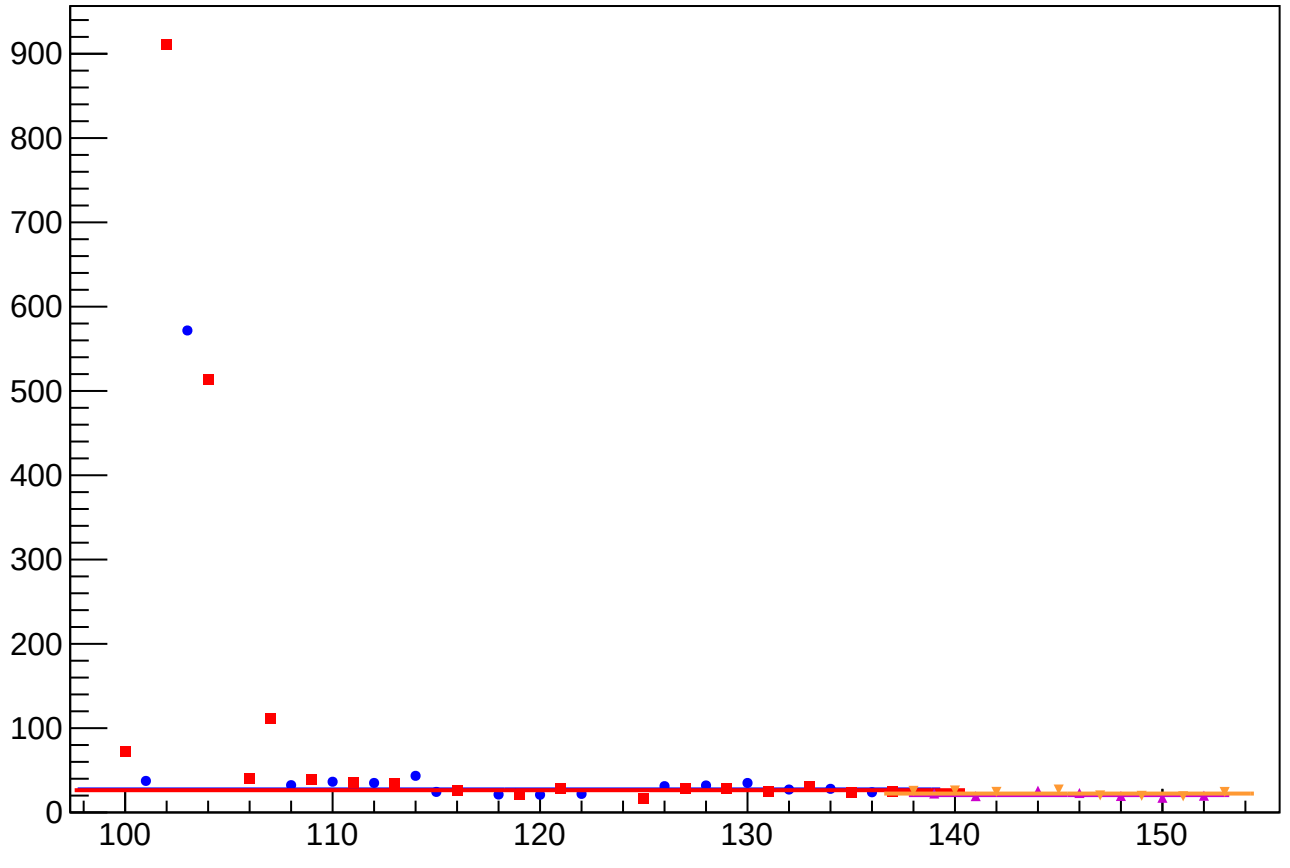
Left: -0.002+/-0.007 χ^2/NDF: 13.4/14

Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.011+/-0.007 χ^2/NDF:21.4/22

Out: 0.003+/-0.008 χ^2/NDF:16.1/25

All: -0.004+/-0.005 χ^2/NDF: 39.3/48



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 22.403+/-0.007 χ^2/NDF:192707.0/7

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.579+/-0.006 χ^2/NDF:151452.8/6

Left: 21.435+/-0.005 χ^2/NDF: 381675.6/14

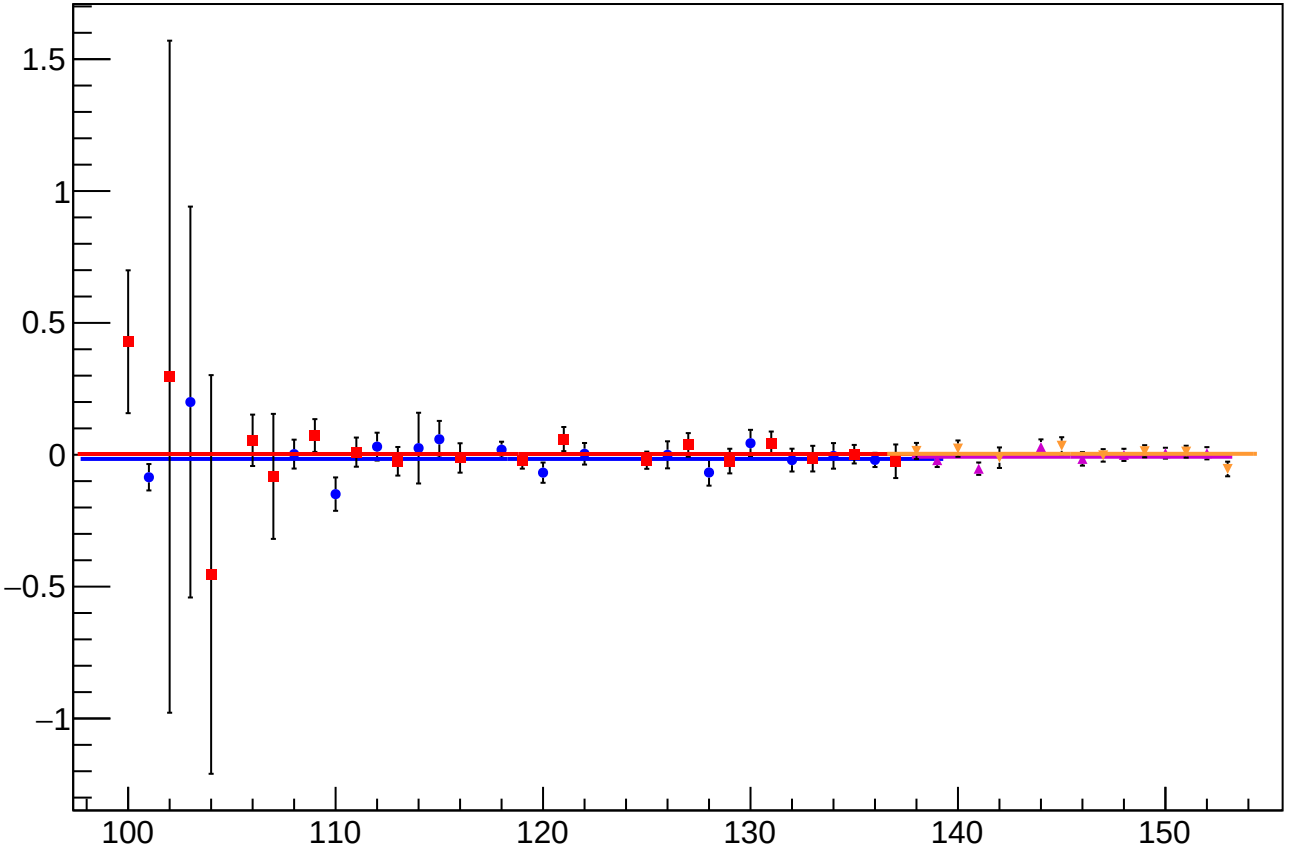
Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 23.160+/-0.005 χ^2/NDF:2137060.4/22

Out: 23.980+/-0.005 χ^2/NDF:2941216.7/25

All: 23.548+/-0.004 χ^2/NDF: 5090708.4/48

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.004+/-0.010 χ^2/NDF:6.2/7

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.007+/-0.009 χ^2/NDF:6.5/6

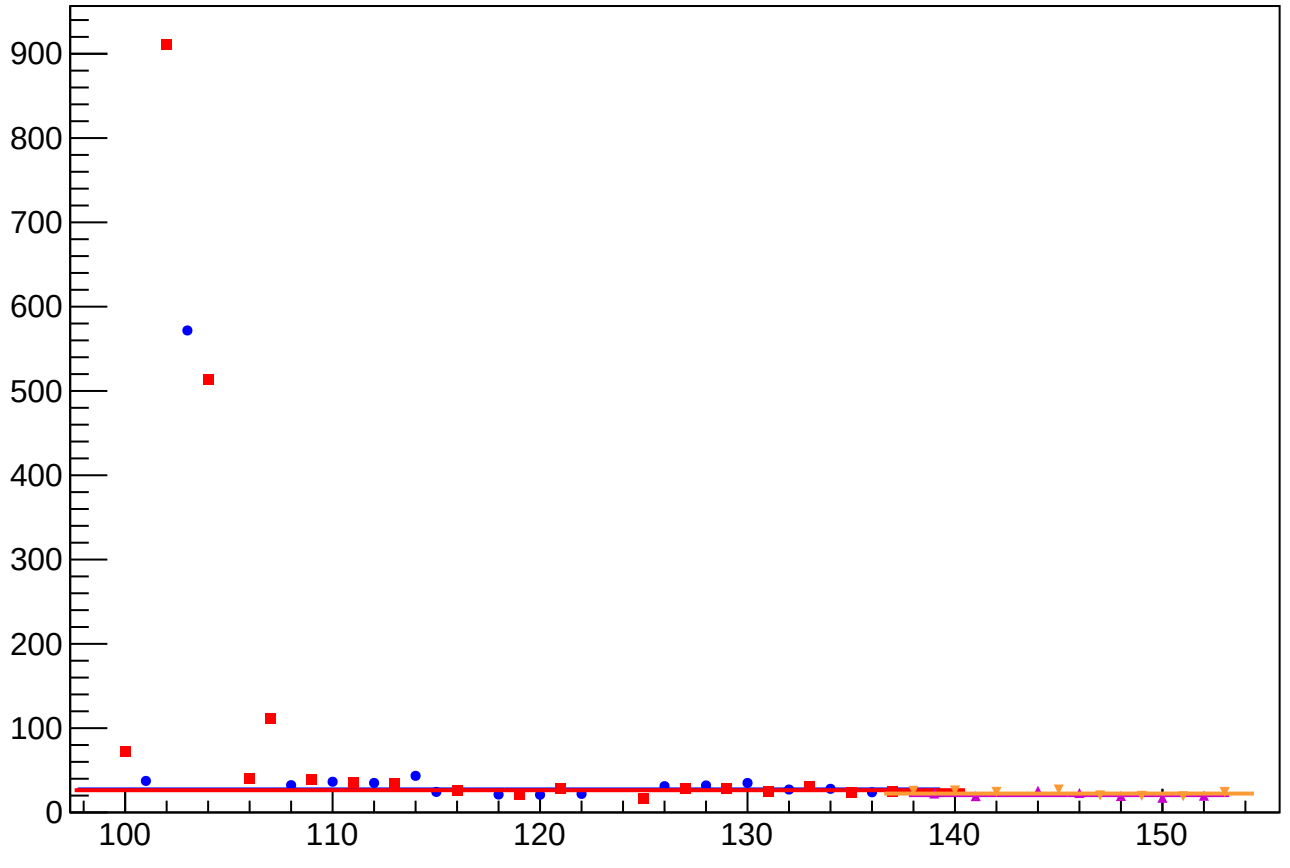
Left: -0.002+/-0.007 χ^2/NDF: 13.4/14

Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.011+/-0.007 χ^2/NDF:21.4/22

Out: 0.003+/-0.008 χ^2/NDF:16.1/25

All: -0.004+/-0.005 χ^2/NDF: 39.3/48



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 22.403+/-0.007 χ^2/NDF:192707.0/7

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.579+/-0.006 χ^2/NDF:151452.8/6

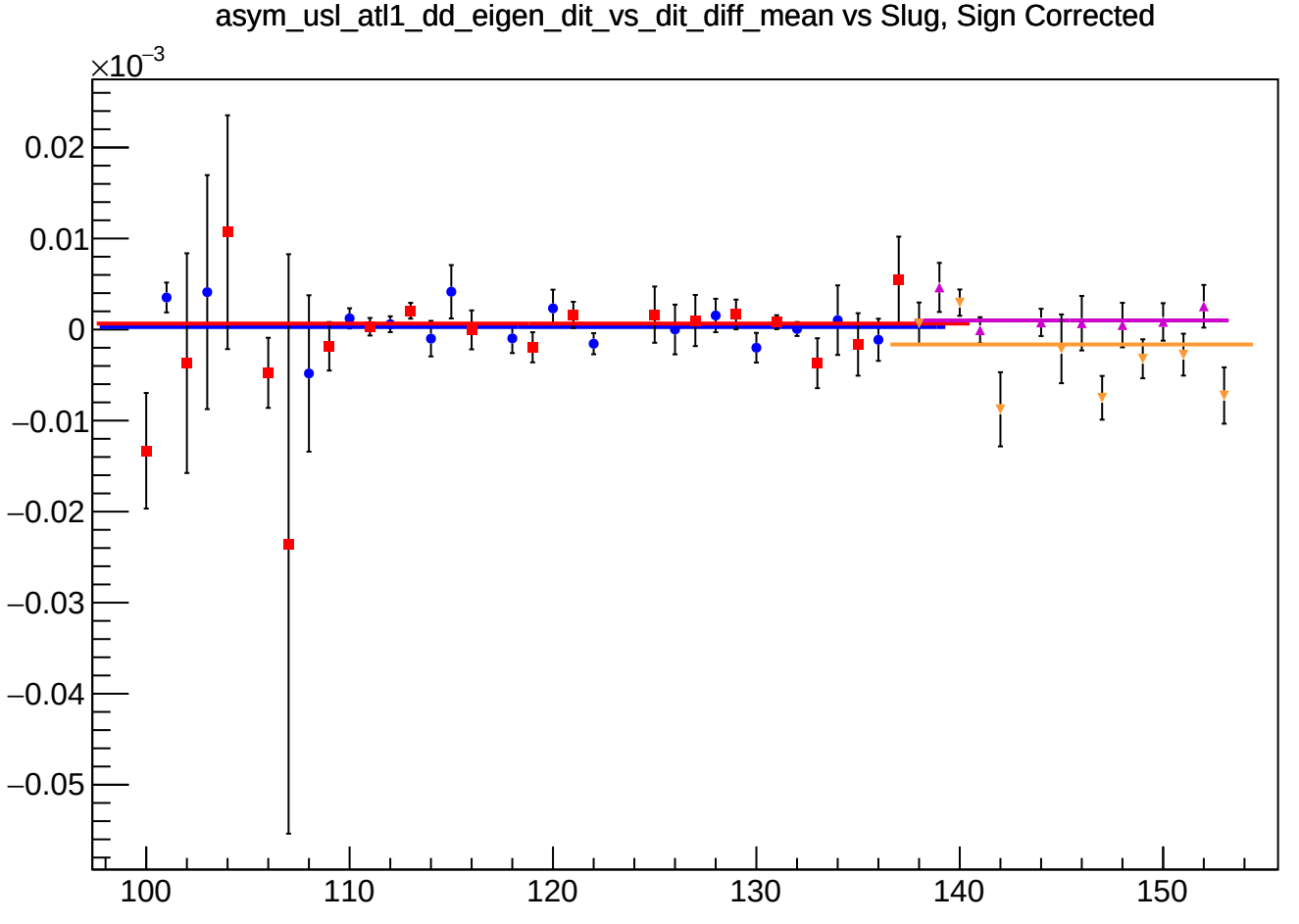
Left: 21.435+/-0.005 χ^2/NDF: 381675.6/14

Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 23.160+/-0.005 χ^2/NDF:2137060.4/22

Out: 23.980+/-0.005 χ^2/NDF:2941216.7/25

All: 23.548+/-0.004 χ^2/NDF: 5090708.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/7

Right Out: 0.000+/-0.000 χ^2/NDF: 19.3/17

Left In: 0.000+/-0.000 χ^2/NDF:2.9/6

Left: -0.000+/-0.000 χ^2/NDF: 32.7/14

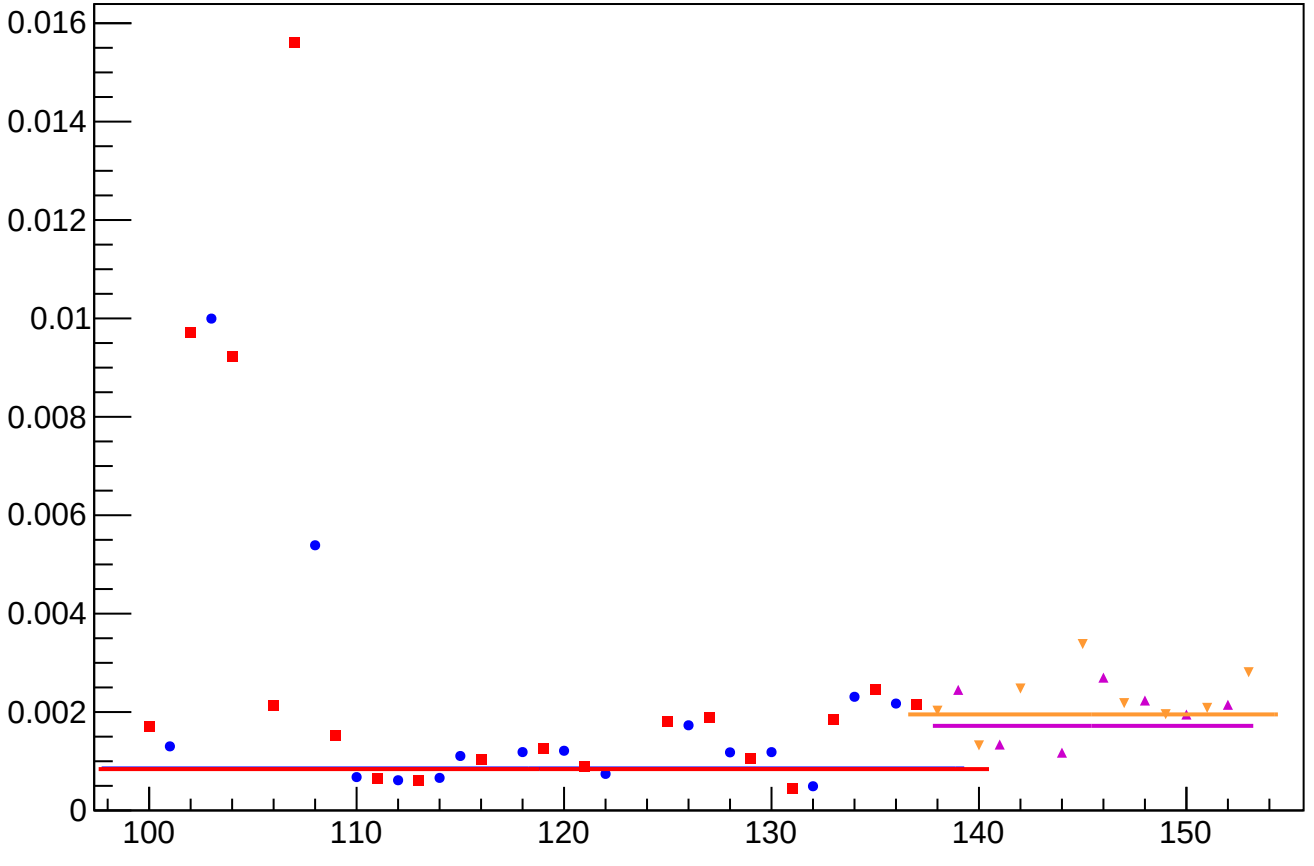
Right: 0.000+/-0.000 χ^2/NDF: 34.2/33

In: 0.000+/-0.000 χ^2/NDF:18.1/22

Out: 0.000+/-0.000 χ^2/NDF:49.8/25

All: 0.000+/-0.000 χ^2/NDF: 68.0/48

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 3863719.0/15

Left Out: 0.002+/-0.000 χ^2/NDF:879402.2/7

Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.002+/-0.000 χ^2/NDF:947953.6/6

Left: 0.002+/-0.000 χ^2/NDF: 1914573.3/14

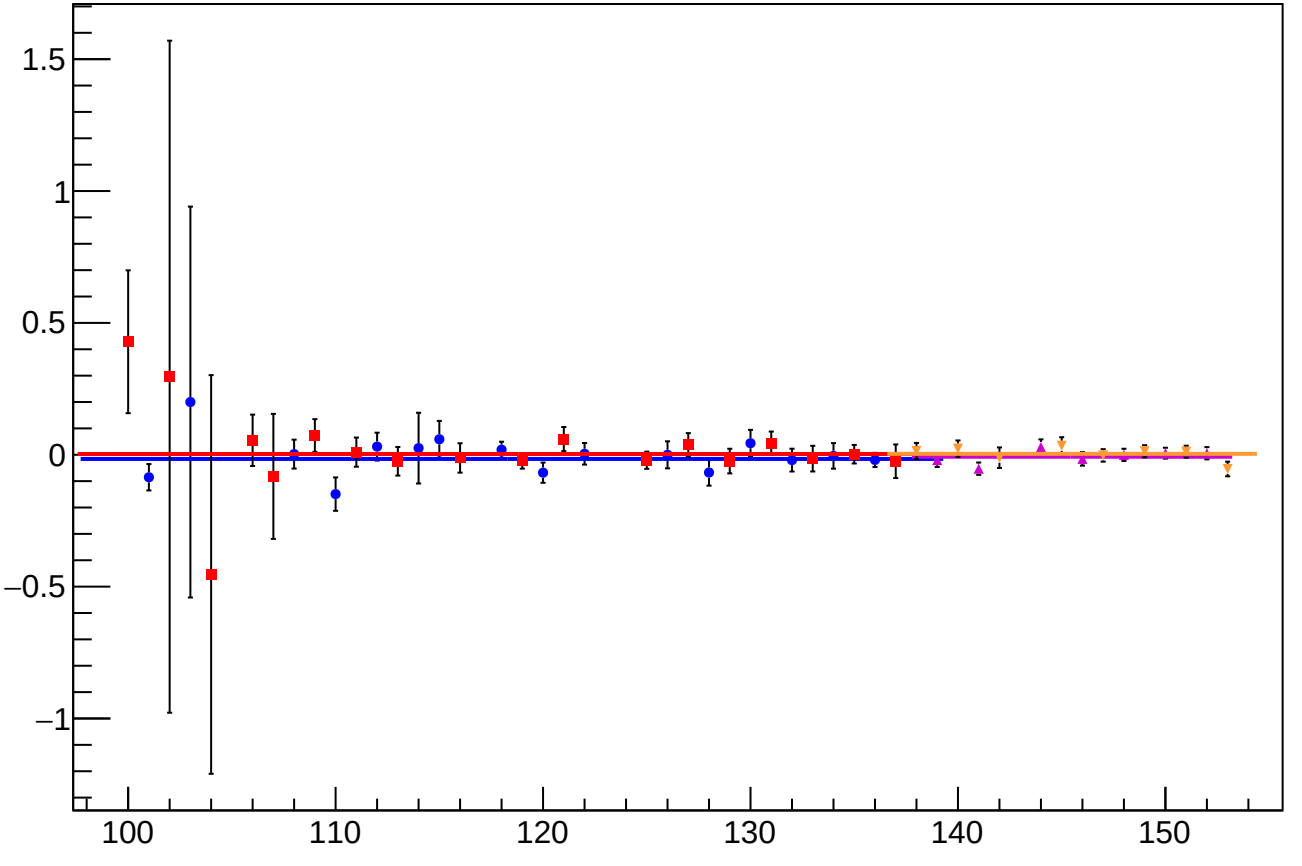
Right: 0.001+/-0.000 χ^2/NDF: 8904244.0/33

In: 0.001+/-0.000 χ^2/NDF:6934438.8/22

Out: 0.001+/-0.000 χ^2/NDF:8877729.8/25

All: 0.001+/-0.000 χ^2/NDF: 15817637.7/48

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.004+/-0.010 χ^2/NDF:6.2/7

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.007+/-0.009 χ^2/NDF:6.5/6

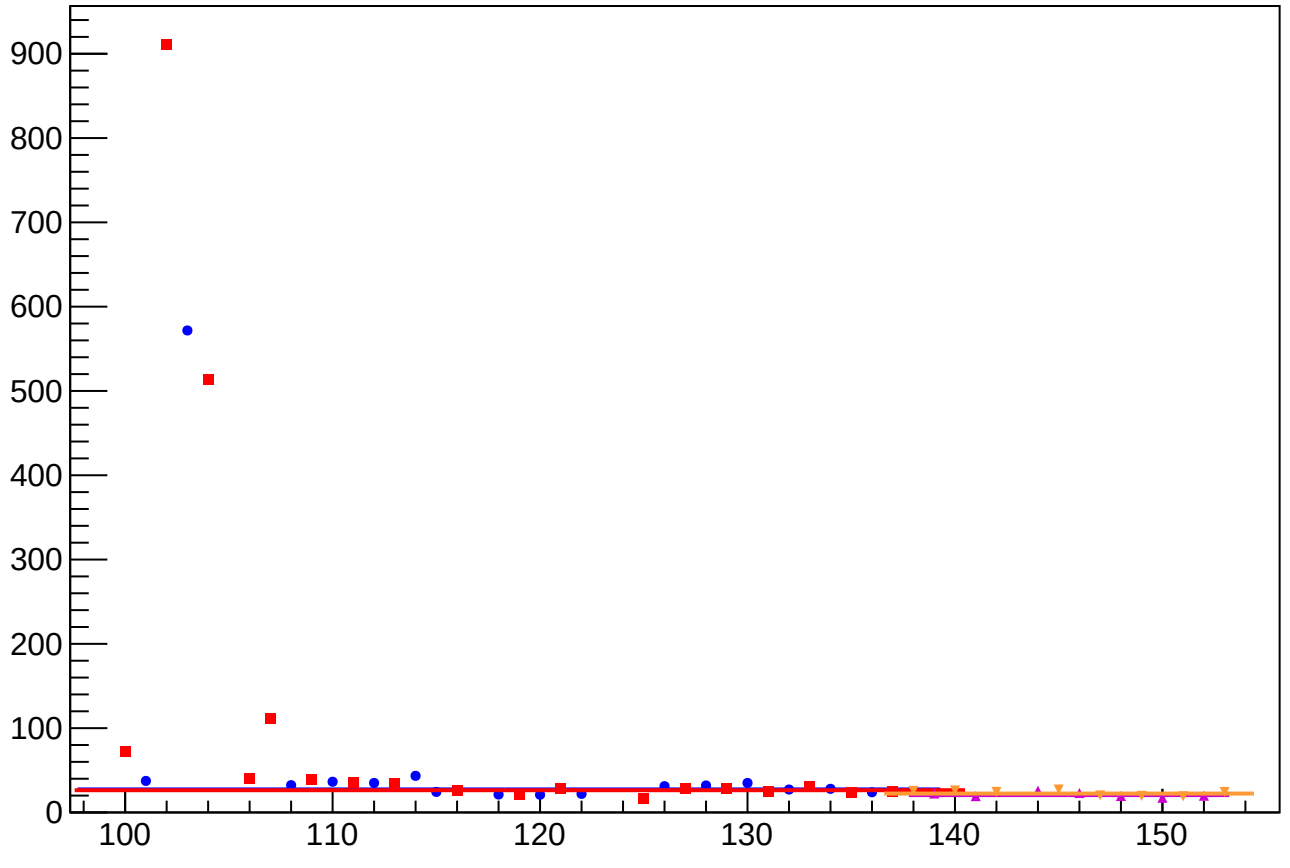
Left: -0.002+/-0.007 χ^2/NDF: 13.4/14

Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.011+/-0.007 χ^2/NDF:21.4/22

Out: 0.003+/-0.008 χ^2/NDF:16.1/25

All: -0.004+/-0.005 χ^2/NDF: 39.3/48



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 22.403+/-0.007 χ^2/NDF:192692.0/7

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.580+/-0.006 χ^2/NDF:151426.1/6

Left: 21.435+/-0.005 χ^2/NDF: 381627.8/14

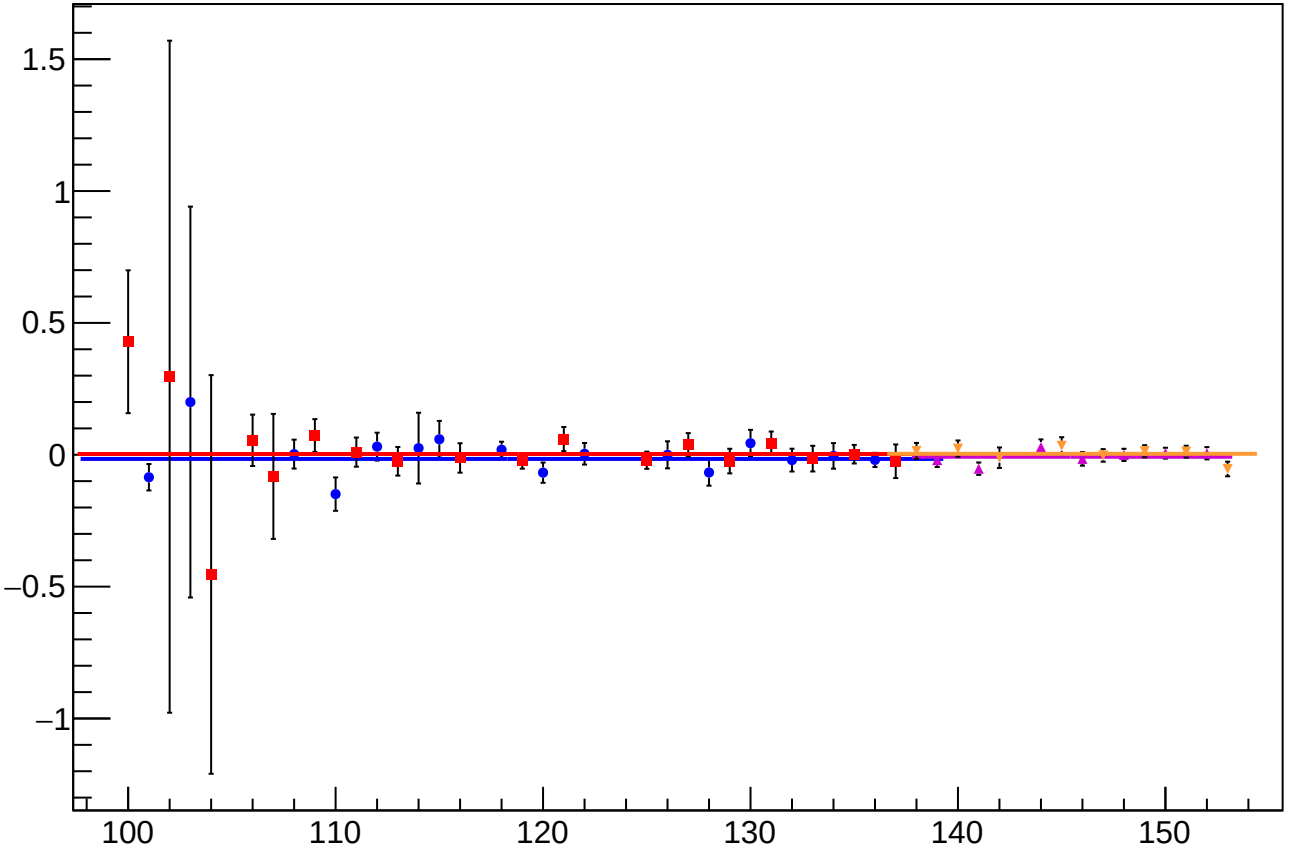
Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 23.160+/-0.005 χ^2/NDF:2137018.0/22

Out: 23.980+/-0.005 χ^2/NDF:2941224.2/25

All: 23.548+/-0.004 χ^2/NDF: 5090670.4/48

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: 0.004+/-0.010 χ^2/NDF:6.2/7

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.007+/-0.009 χ^2/NDF:6.5/6

Left: -0.002+/-0.007 χ^2/NDF: 13.4/14

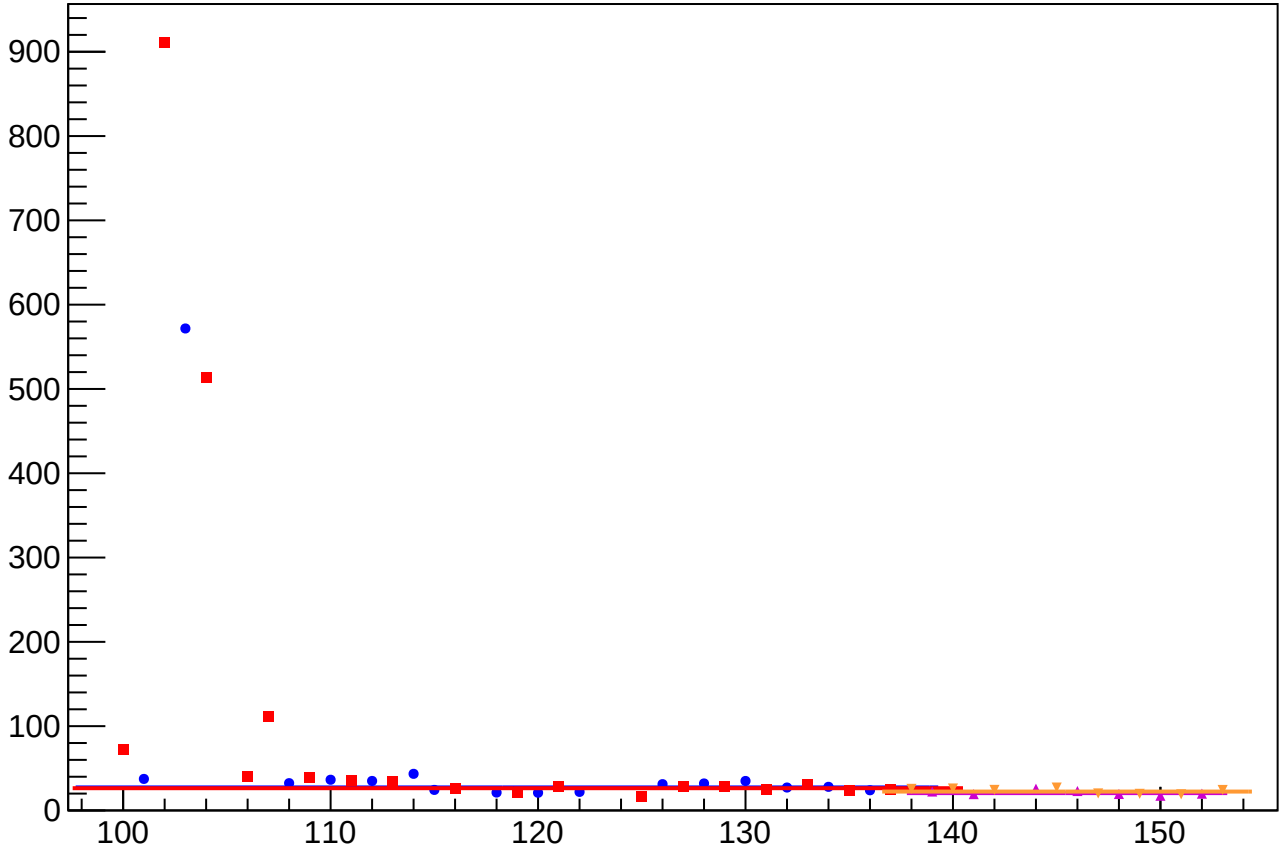
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.011+/-0.007 χ^2/NDF:21.4/22

Out: 0.003+/-0.008 χ^2/NDF:16.1/25

All: -0.004+/-0.005 χ^2/NDF: 39.3/48

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: 22.403+/-0.007 χ^2/NDF:192692.0/7

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.580+/-0.006 χ^2/NDF:151426.1/6

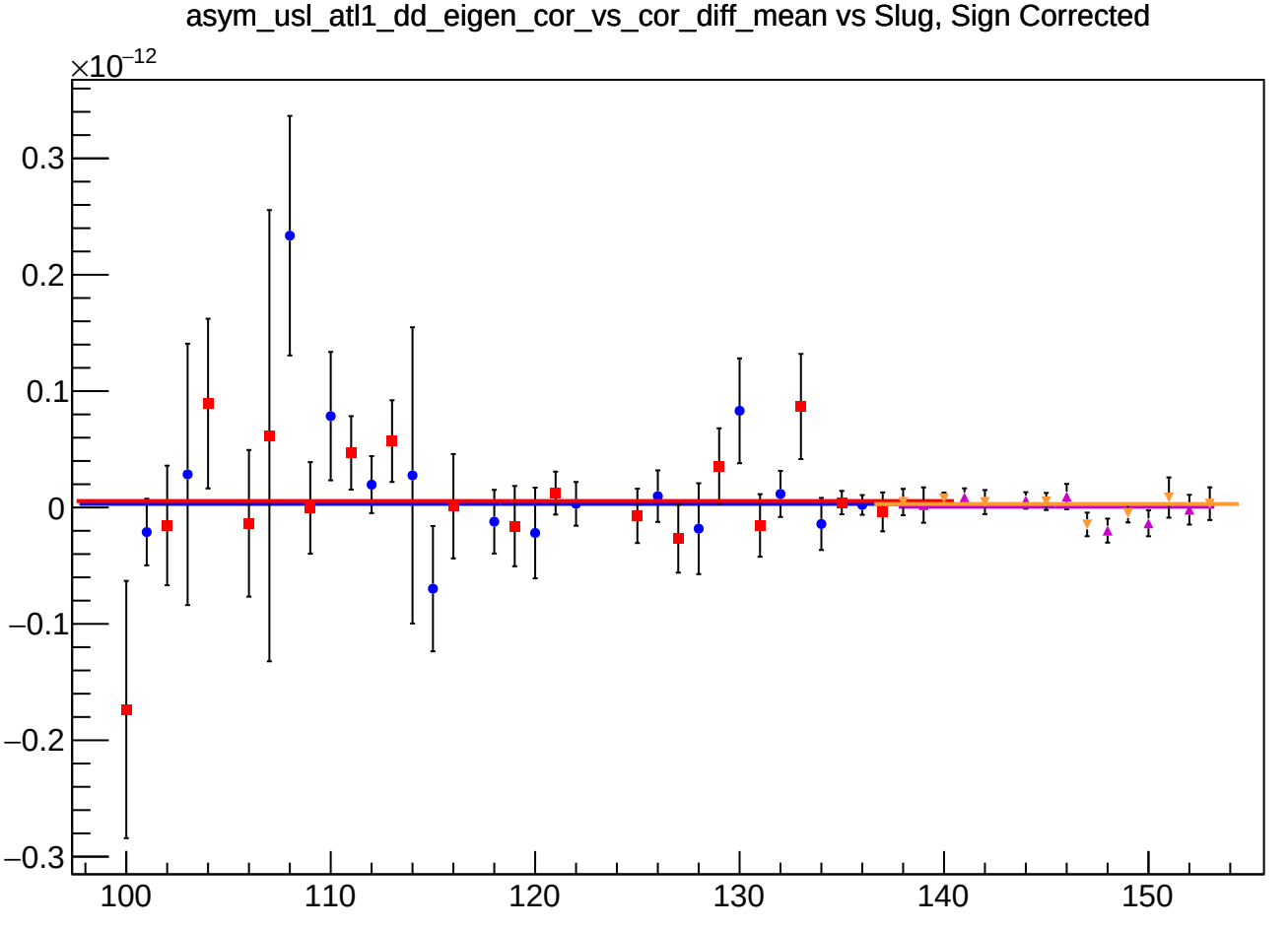
Left: 21.435+/-0.005 χ^2/NDF: 381627.8/14

Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 23.160+/-0.005 χ^2/NDF:2137018.0/22

Out: 23.980+/-0.005 χ^2/NDF:2941224.2/25

All: 23.548+/-0.004 χ^2/NDF: 5090670.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.1/7

Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: 0.000+/-0.000 χ^2/NDF:7.9/6

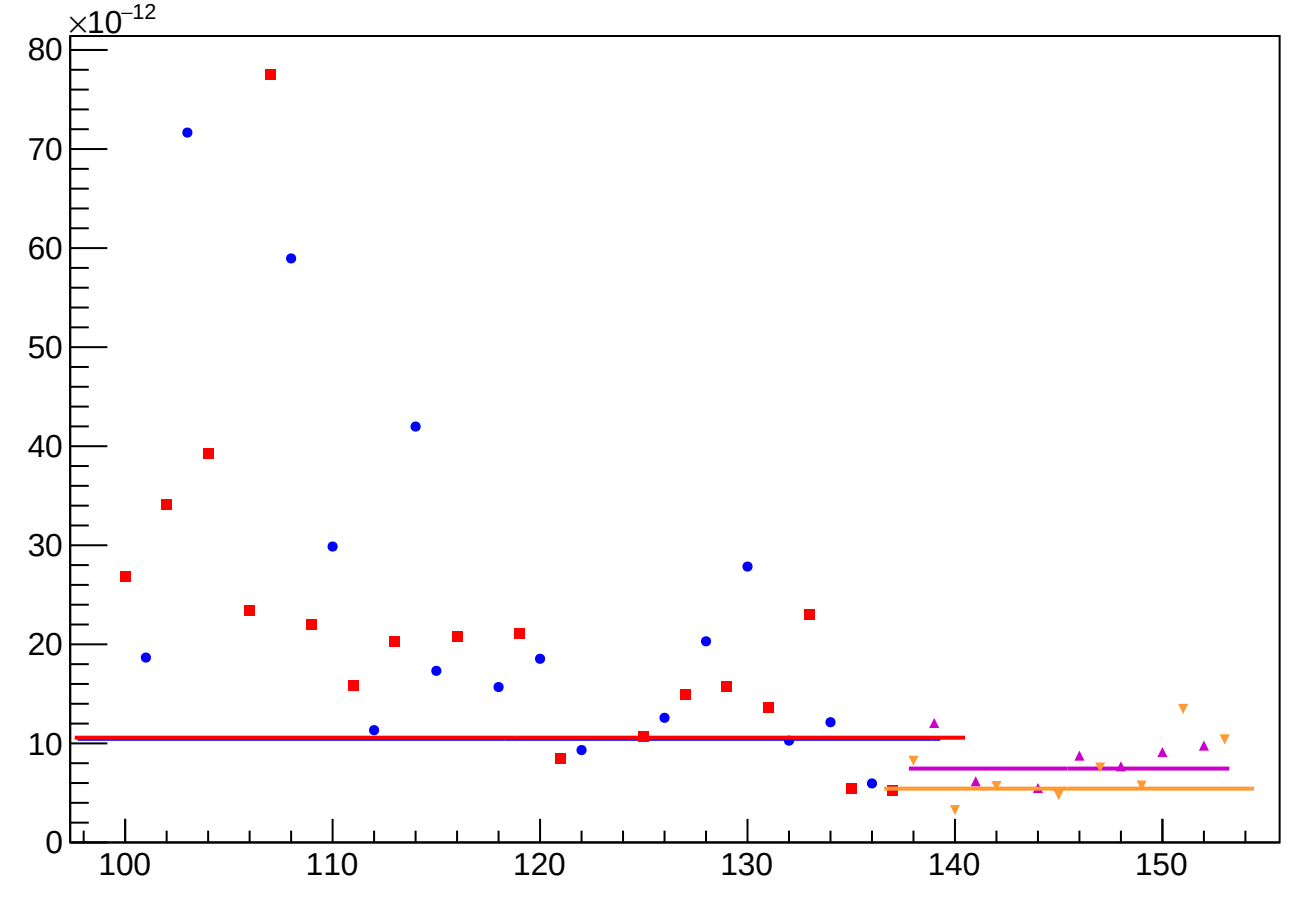
Left: 0.000+/-0.000 χ^2/NDF: 13.3/14

Right: 0.000+/-0.000 χ^2/NDF: 30.4/33

In: 0.000+/-0.000 χ^2/NDF:23.1/22

Out: 0.000+/-0.000 χ^2/NDF:20.5/25

All: 0.000+/-0.000 χ^2/NDF: 43.9/48



Right In: 0.000+/-0.000 χ^2/NDF: 2794895.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1303563.2/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2771384.1/17

Left In: 0.000+/-0.000 χ^2/NDF:532360.4/6

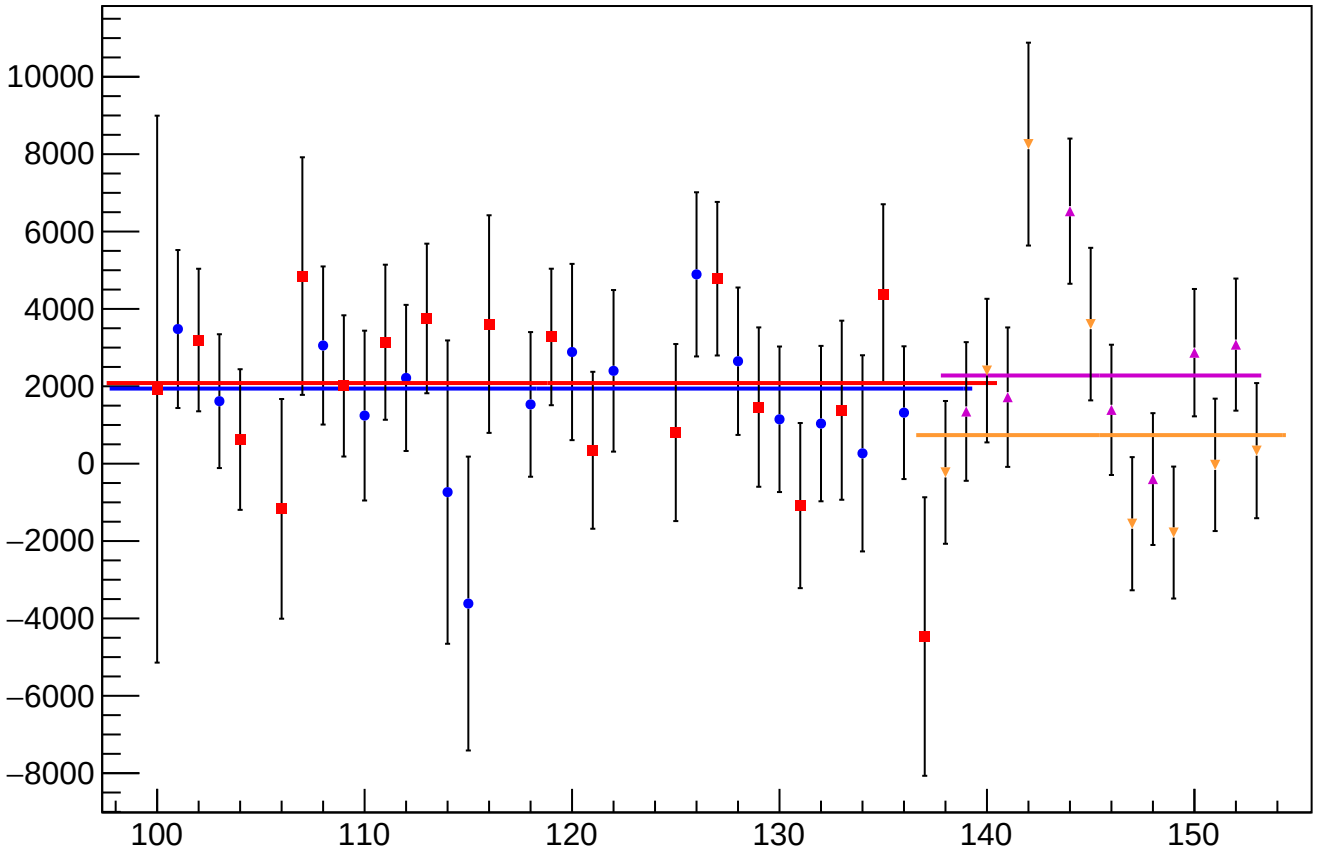
Left: 0.000+/-0.000 χ^2/NDF: 2195186.5/14

Right: 0.000+/-0.000 χ^2/NDF: 5566631.8/33

In: 0.000+/-0.000 χ^2/NDF:3714066.7/22

Out: 0.000+/-0.000 χ^2/NDF:5221446.3/25

All: 0.000+/-0.000 χ^2/NDF: 9359364.6/48



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 738.239+/-654.067 χ^2/NDF:15.6/7

Right Out: 2083.952+/-519.583 χ^2/NDF: 14.5/17

Left In: 2279.261+/-657.547 χ^2/NDF:8.6/6

Left: 1504.662+/-463.721 χ^2/NDF: 27.0/14

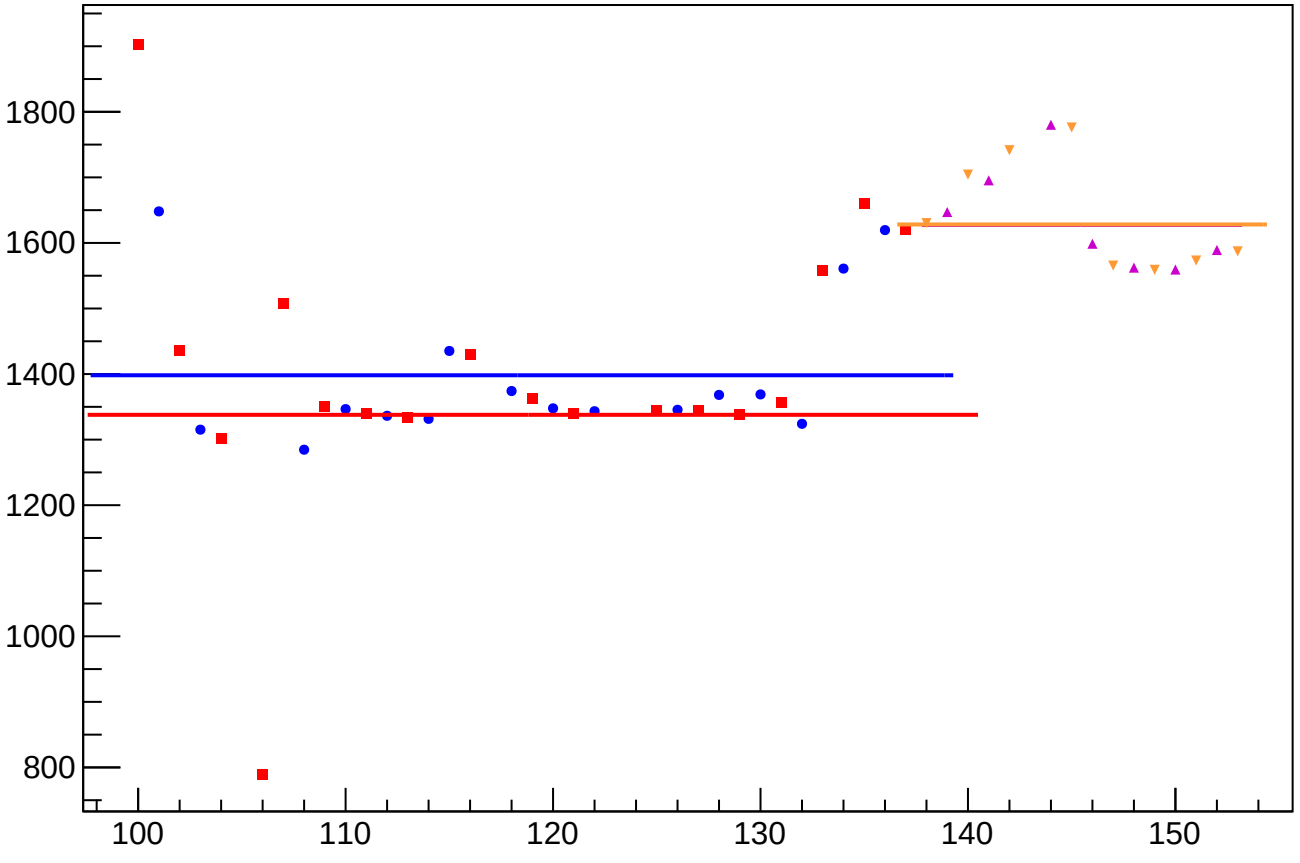
Right: 2012.819+/-368.313 χ^2/NDF: 21.4/33

In: 2071.805+/-408.919 χ^2/NDF:15.7/22

Out: 1563.296+/-406.838 χ^2/NDF:32.7/25

All: 1816.253+/-288.411 χ^2/NDF: 49.2/48

reg_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1628.186+/-0.462 χ^2/NDF:27468.2/7

Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1627.346+/-0.465 χ^2/NDF:24282.5/6

Left: 1627.769+/-0.328 χ^2/NDF: 51752.4/14

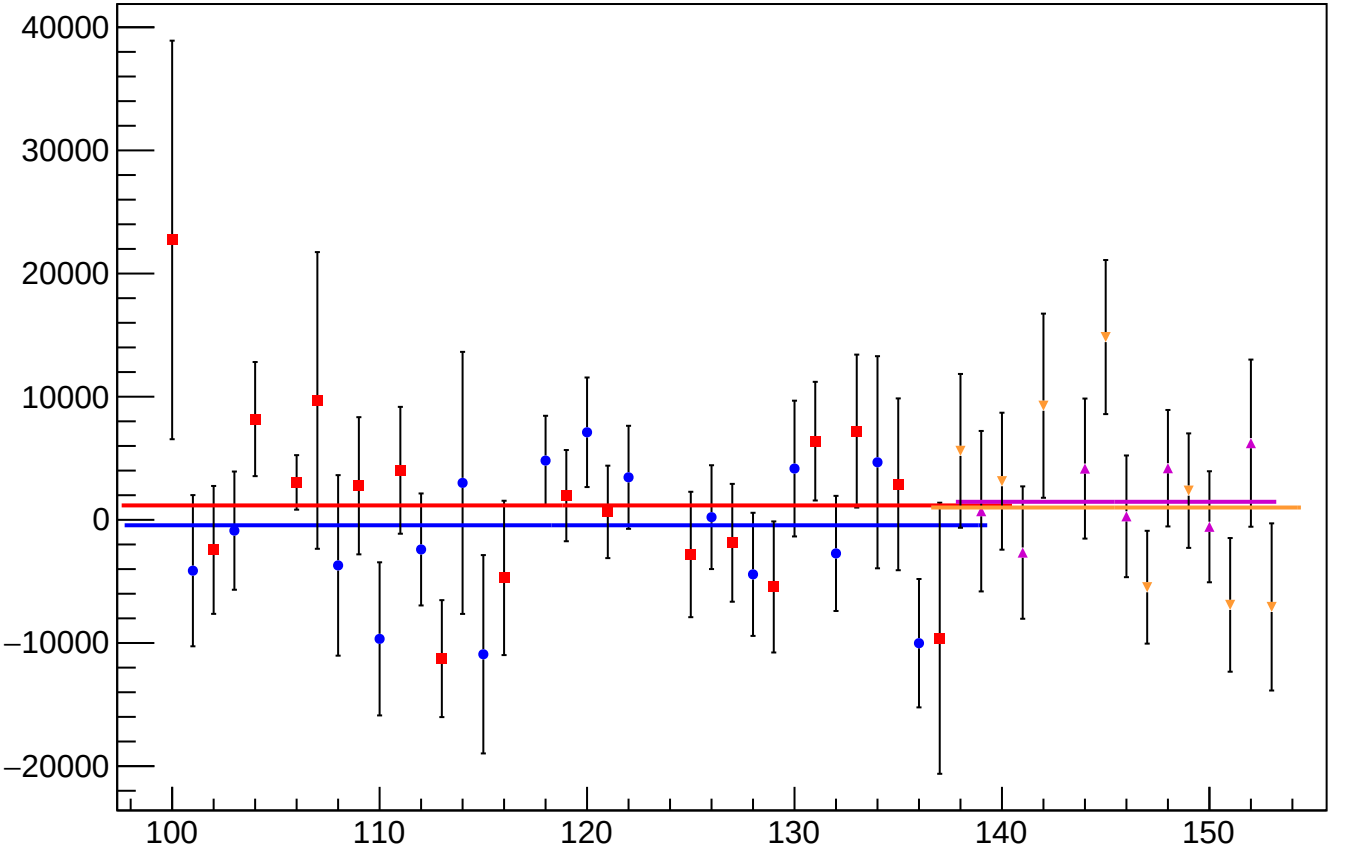
Right: 1366.881+/-0.256 χ^2/NDF: 425531.4/33

In: 1486.796+/-0.289 χ^2/NDF:267209.0/22

Out: 1445.816+/-0.282 χ^2/NDF:592795.3/25

All: 1465.798+/-0.202 χ^2/NDF: 870296.8/48

asym_usl_atl2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -441.138+/-1295.916 χ^2/NDF: 15.9/15

Left Out: 1001.542+/-1996.051 χ^2/NDF:12.4/7

Right Out: 1171.548+/-1119.890 χ^2/NDF: 19.7/17

Left In: 1465.636+/-2017.515 χ^2/NDF:1.9/6

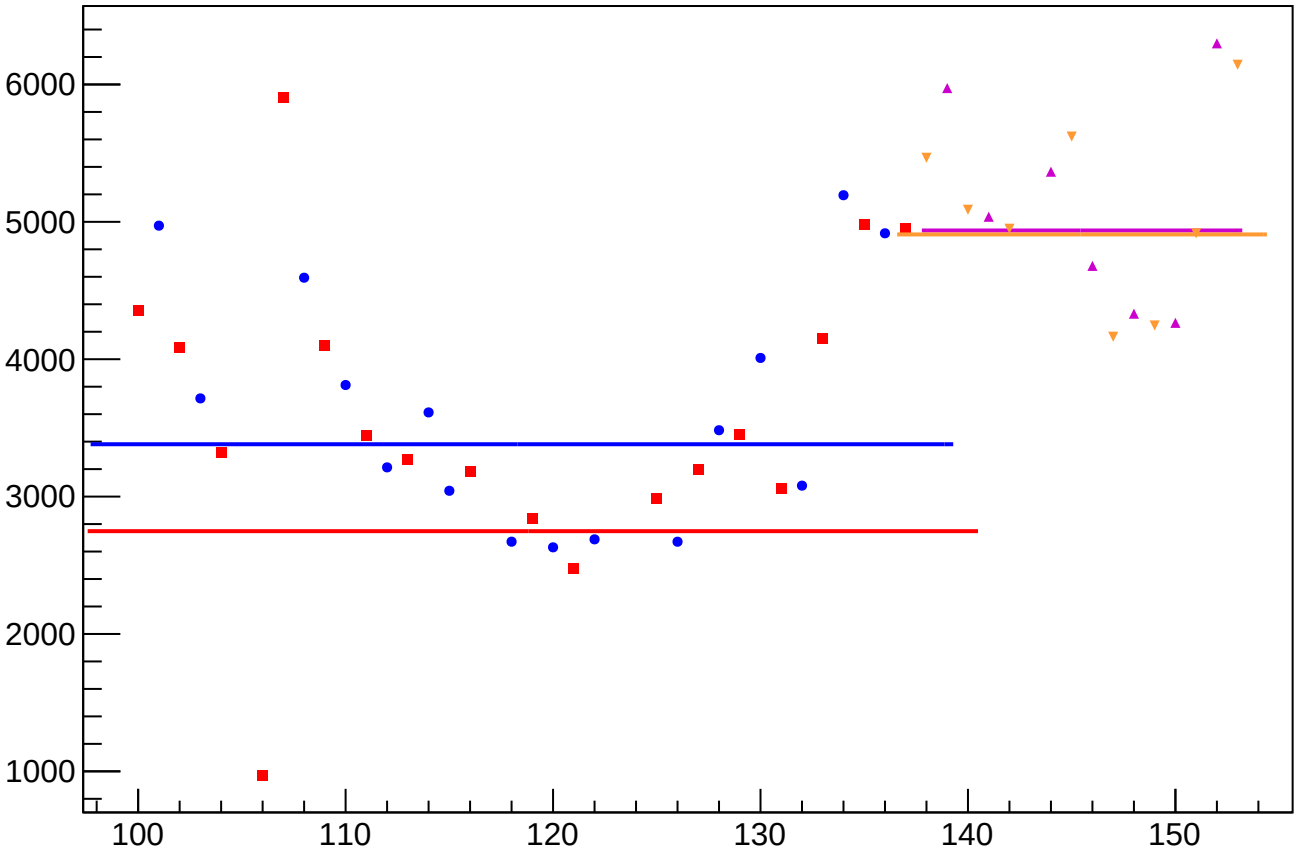
Left: 1231.107+/-1418.949 χ^2/NDF: 14.4/14

Right: 482.092+/-847.335 χ^2/NDF: 36.5/33

In: 115.795+/-1090.357 χ^2/NDF:18.4/22

Out: 1130.846+/-976.672 χ^2/NDF:32.1/25

All: 678.979+/-727.495 χ^2/NDF: 51.0/48



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 4908.339+/-1.411 χ^2/NDF:203779.8/7

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

Left In: 4937.120+/-1.427 χ^2/NDF:225931.4/6

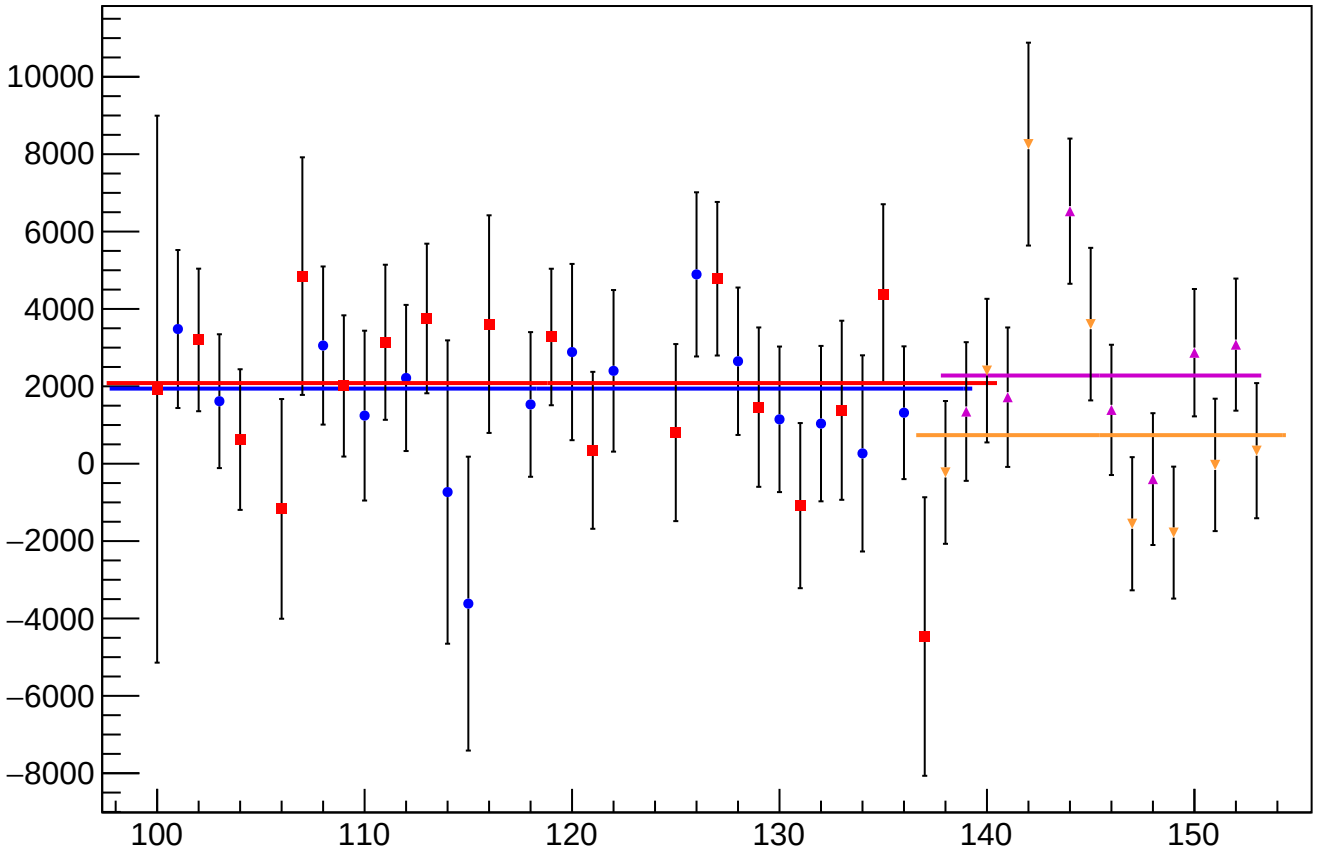
Left: 4922.576+/-1.003 χ^2/NDF: 429916.8/14

Right: 3018.883+/-0.599 χ^2/NDF: 3294667.2/33

In: 3835.596+/-0.771 χ^2/NDF:1825249.6/22

Out: 3265.504+/-0.691 χ^2/NDF:4249606.2/25

All: 3519.290+/-0.514 χ^2/NDF: 6378207.4/48



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 738.260+/-654.067 χ^2/NDF:15.6/7

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2279.397+/-657.547 χ^2/NDF:8.6/6

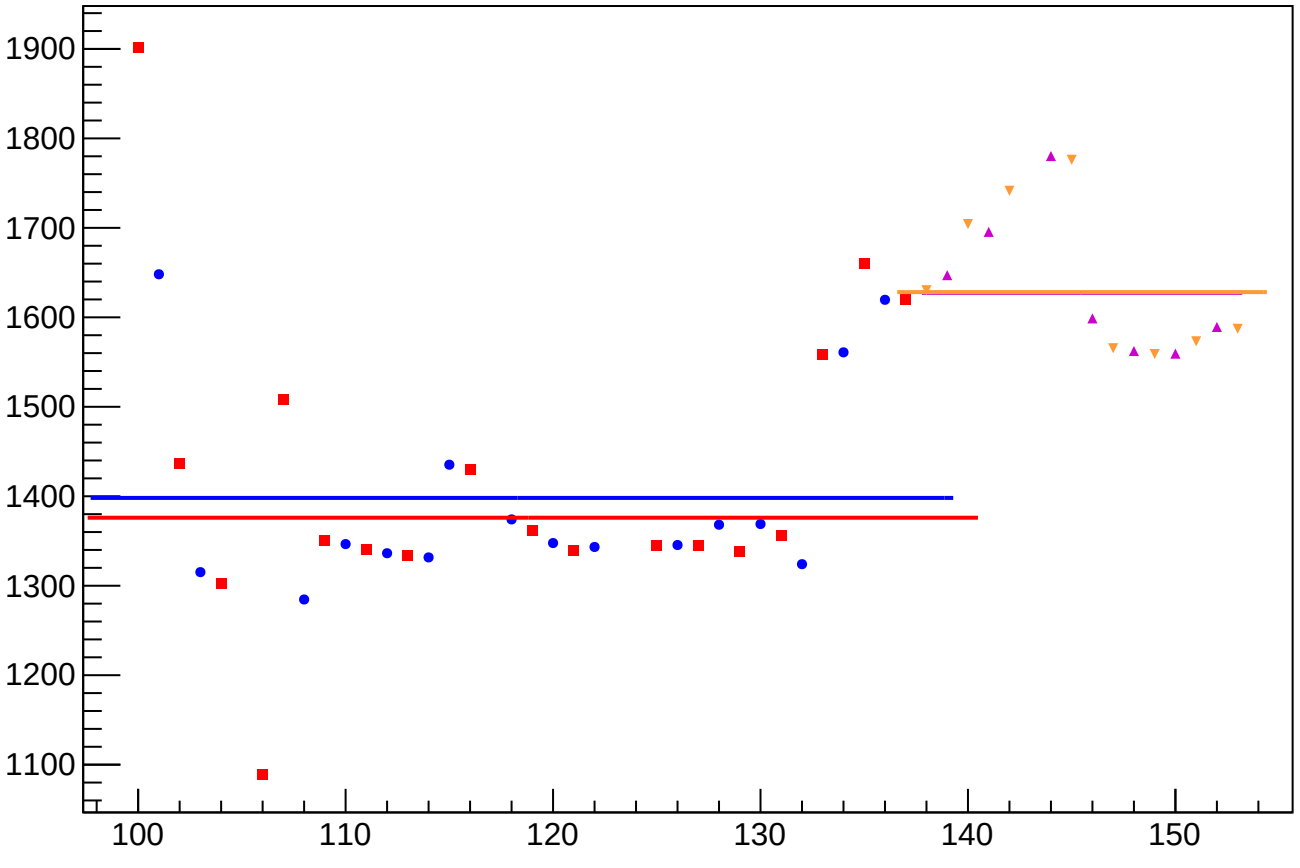
Left: 1504.739+/-463.721 χ^2/NDF: 27.0/14

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2071.891+/-408.919 χ^2/NDF:15.7/22

Out: 1563.432+/-406.839 χ^2/NDF:32.7/25

All: 1816.365+/-288.411 χ^2/NDF: 49.2/48



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1628.186+/-0.462 χ^2/NDF:27468.2/7

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1627.346+/-0.465 χ^2/NDF:24282.5/6

Left: 1627.769+/-0.328 χ^2/NDF: 51752.4/14

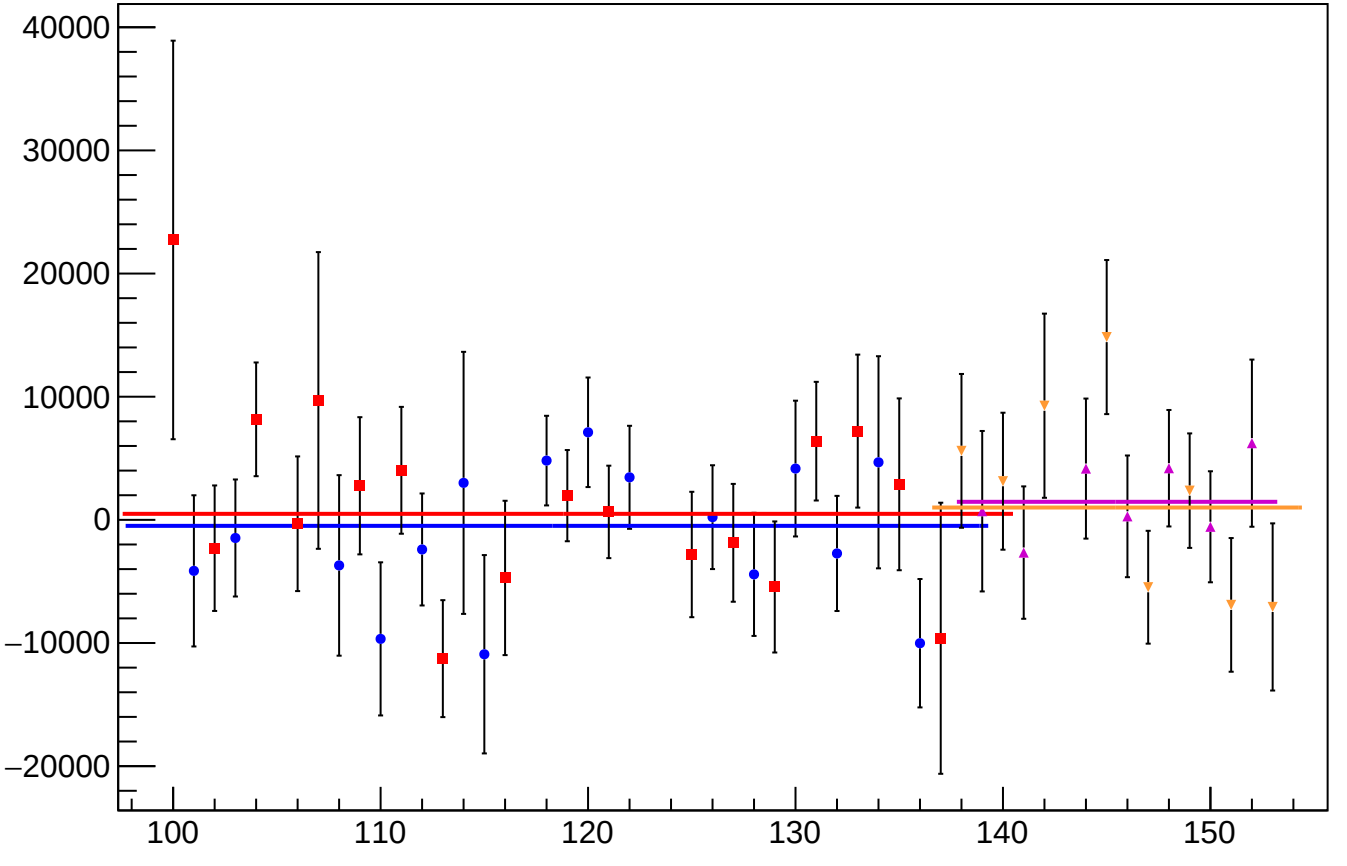
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1486.796+/-0.289 χ^2/NDF:267209.1/22

Out: 1471.989+/-0.285 χ^2/NDF:325640.8/25

All: 1479.294+/-0.203 χ^2/NDF: 594178.7/48

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: 1001.541+/-1996.052 χ^2/NDF:12.4/7

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 1465.721+/-2017.512 χ^2/NDF:1.9/6

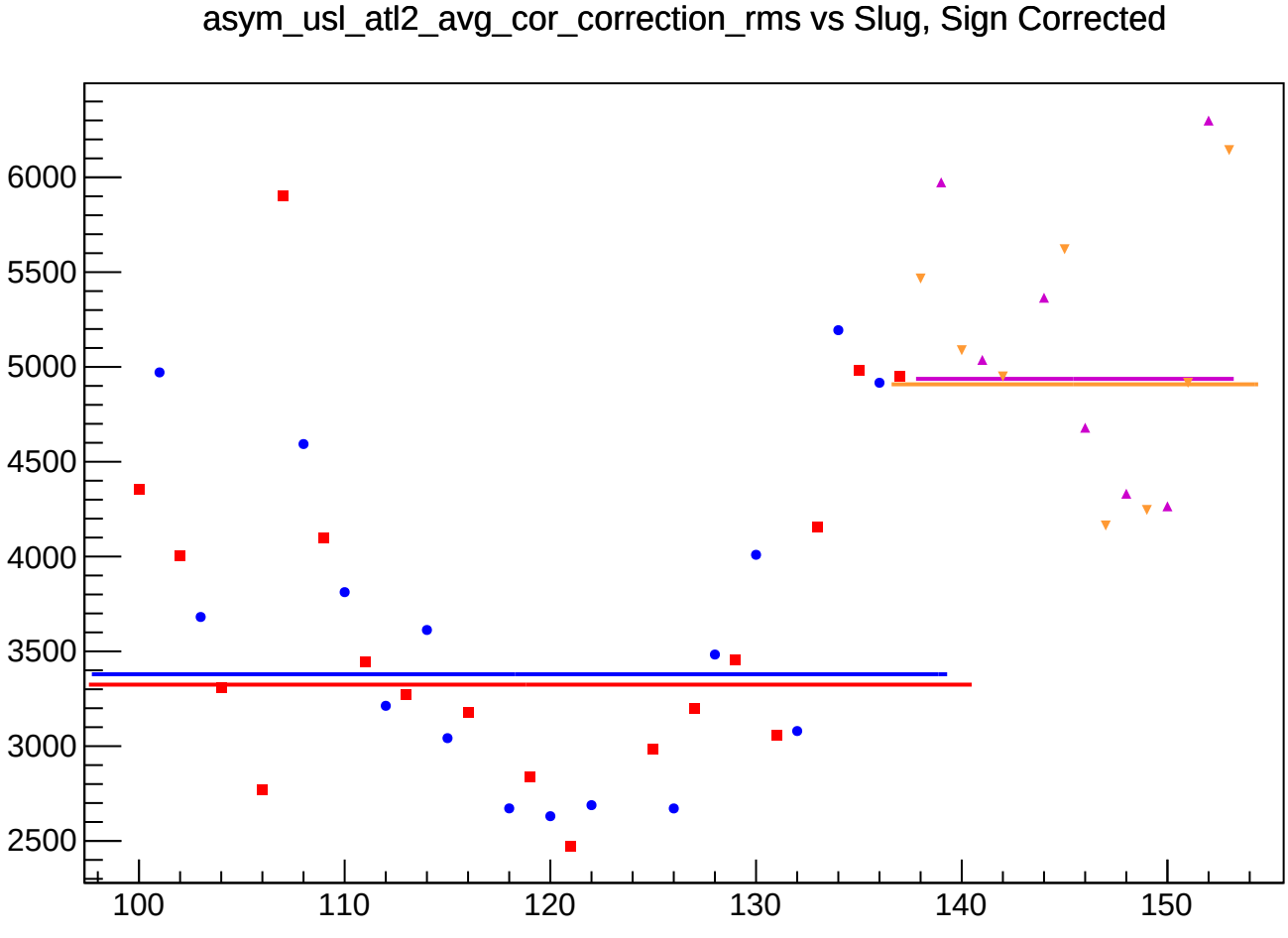
Left: 1231.149+/-1418.948 χ^2/NDF: 14.4/14

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: 83.050+/-1089.769 χ^2/NDF:18.5/22

Out: 634.968+/-1066.271 χ^2/NDF:31.2/25

All: 365.023+/-762.139 χ^2/NDF: 49.8/48



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 4908.342+/-1.411 χ^2/NDF:203779.7/7

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 4937.114+/-1.427 χ^2/NDF:225932.6/6

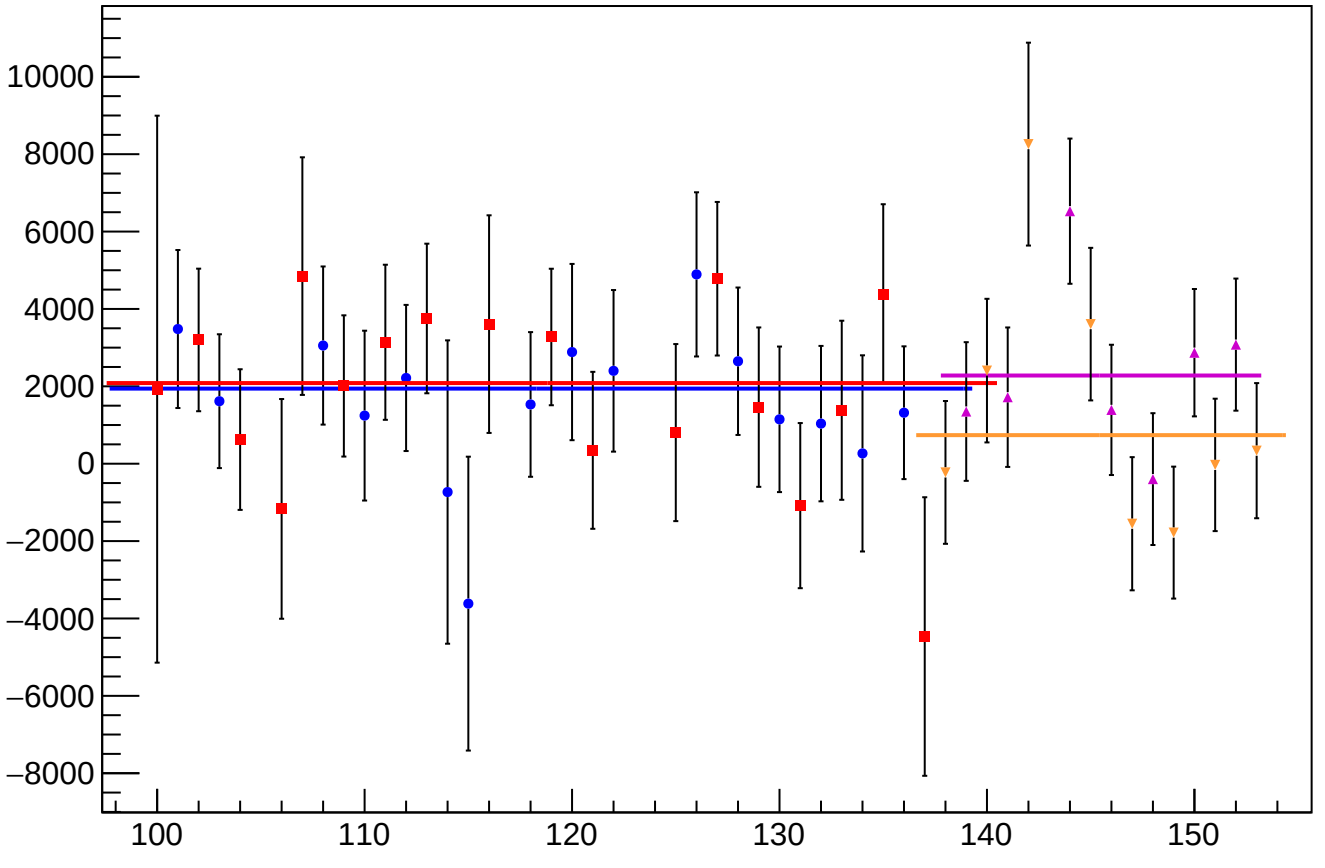
Left: 4922.574+/-1.003 χ^2/NDF: 429917.9/14

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 3833.685+/-0.771 χ^2/NDF:1825988.3/22

Out: 3776.427+/-0.754 χ^2/NDF:1647557.6/25

All: 3804.432+/-0.539 χ^2/NDF: 3476366.6/48



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 738.260+/-654.067 χ^2/NDF:15.6/7

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2279.397+/-657.547 χ^2/NDF:8.6/6

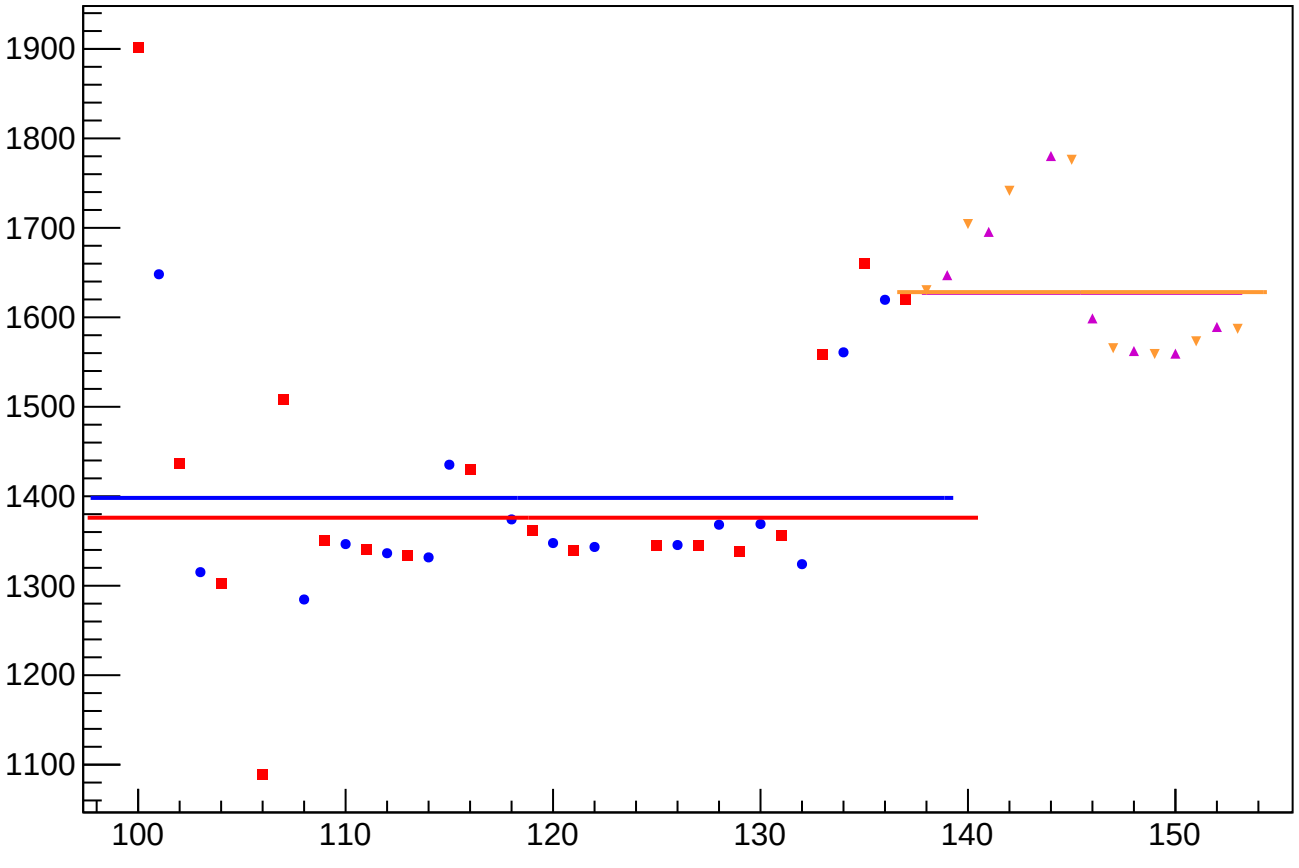
Left: 1504.739+/-463.721 χ^2/NDF: 27.0/14

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2071.891+/-408.919 χ^2/NDF:15.7/22

Out: 1563.432+/-406.839 χ^2/NDF:32.7/25

All: 1816.365+/-288.411 χ^2/NDF: 49.2/48



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1628.186+/-0.462 χ^2/NDF:27468.2/7

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1627.346+/-0.465 χ^2/NDF:24282.5/6

Left: 1627.769+/-0.328 χ^2/NDF: 51752.4/14

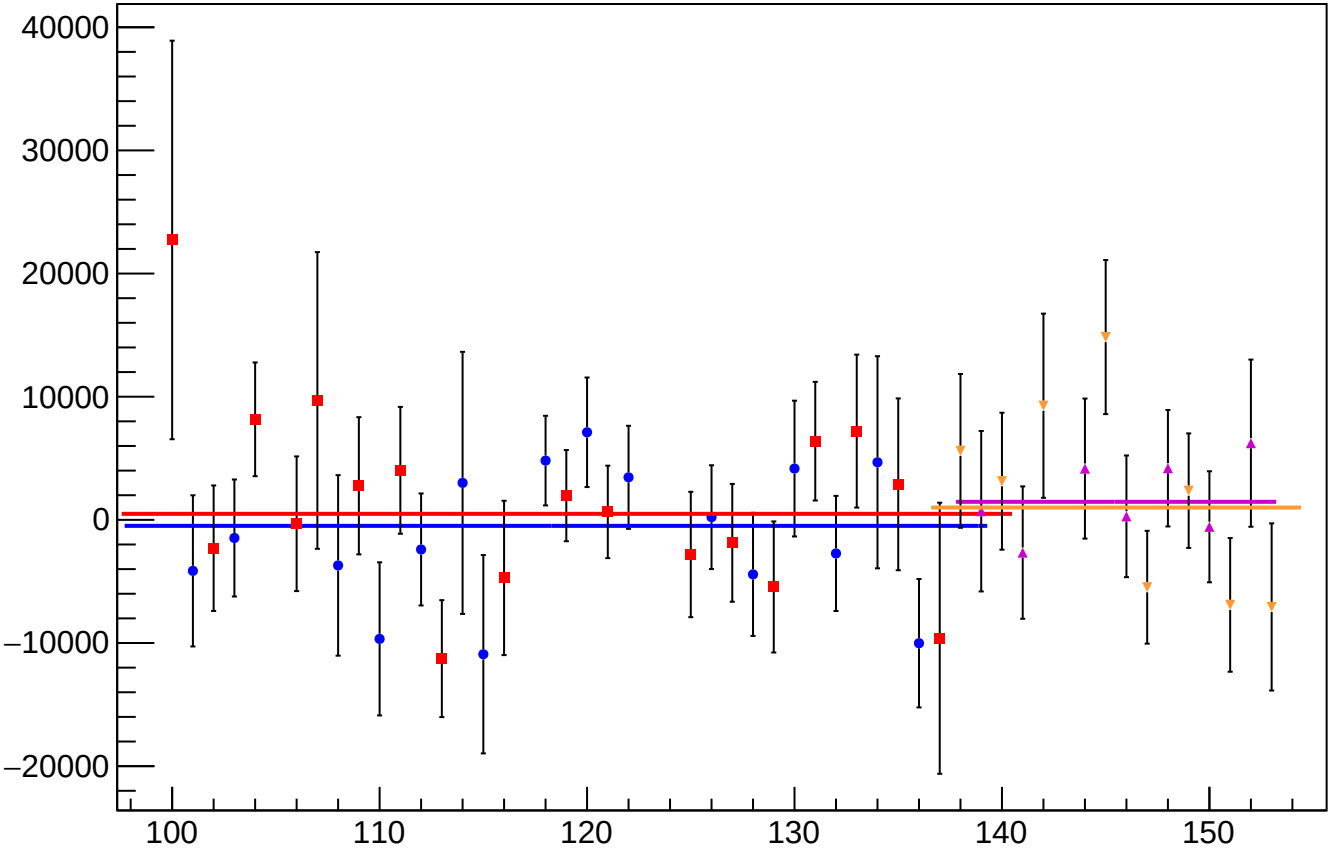
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1486.796+/-0.289 χ^2/NDF:267209.1/22

Out: 1471.989+/-0.285 χ^2/NDF:325640.8/25

All: 1479.294+/-0.203 χ^2/NDF: 594178.7/48

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: 1001.541+/-1996.052 χ^2/NDF:12.4/7

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 1465.721+/-2017.512 χ^2/NDF:1.9/6

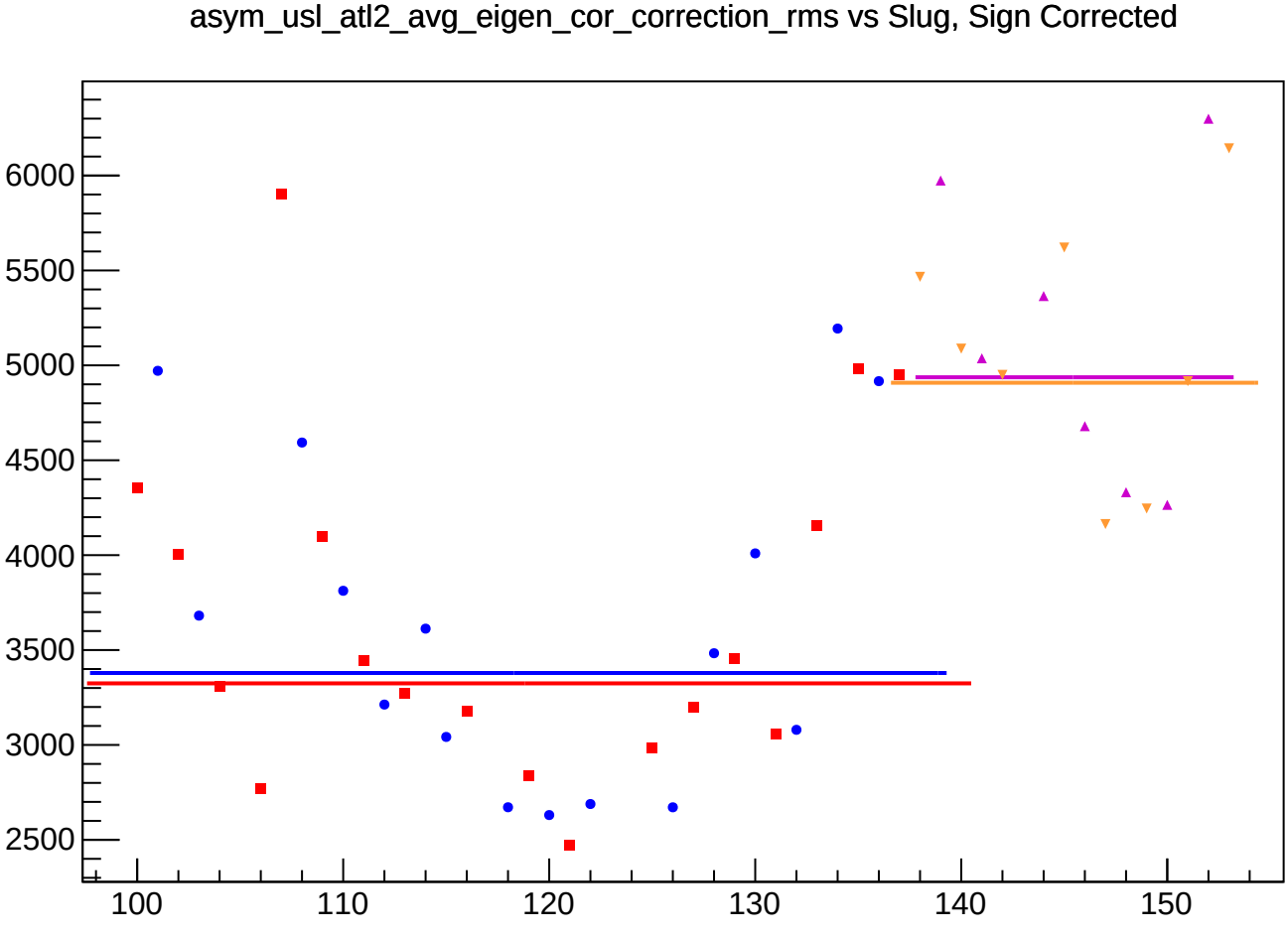
Left: 1231.149+/-1418.948 χ^2/NDF: 14.4/14

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: 83.050+/-1089.769 χ^2/NDF:18.5/22

Out: 634.968+/-1066.271 χ^2/NDF:31.2/25

All: 365.023+/-762.139 χ^2/NDF: 49.8/48



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 4908.342+/-1.411 χ^2/NDF:203779.7/7

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 4937.114+/-1.427 χ^2/NDF:225932.6/6

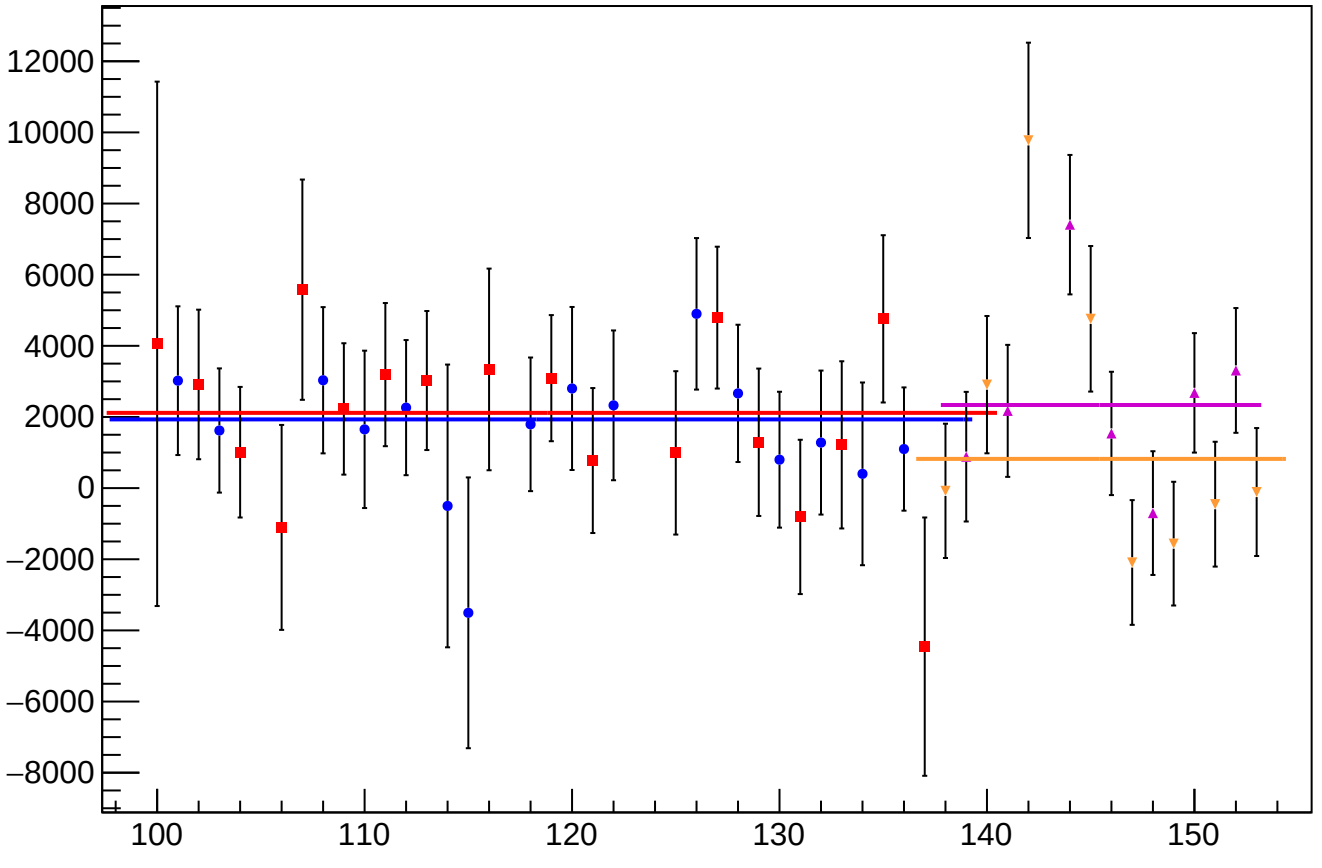
Left: 4922.574+/-1.003 χ^2/NDF: 429917.9/14

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 3833.685+/-0.771 χ^2/NDF:1825988.3/22

Out: 3776.427+/-0.754 χ^2/NDF:1647557.6/25

All: 3804.432+/-0.539 χ^2/NDF: 3476366.6/48



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 821.375+/-672.593 χ^2/NDF:21.2/7

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2336.559+/-674.978 χ^2/NDF:10.9/6

Left: 1576.285+/-476.436 χ^2/NDF: 34.6/14

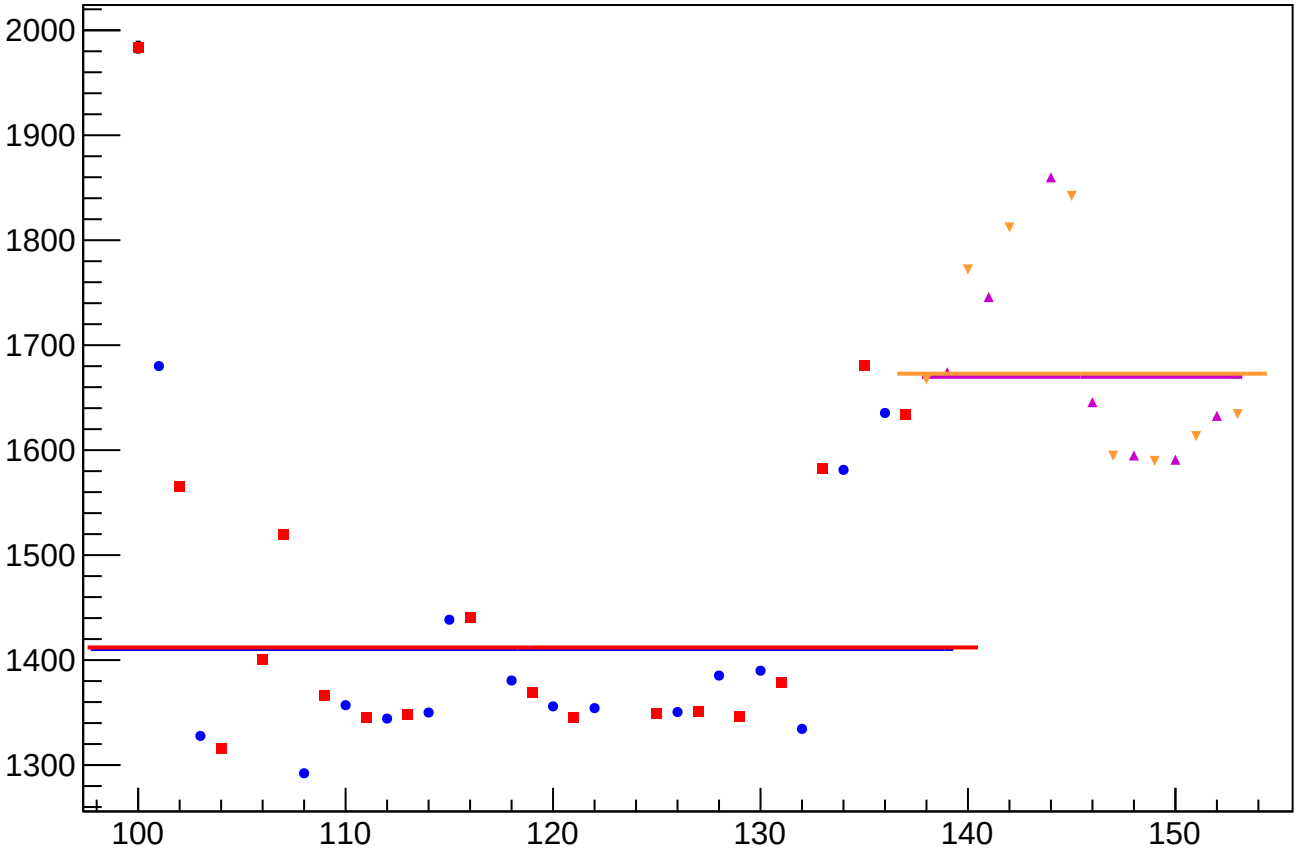
Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2084.978+/-415.453 χ^2/NDF:17.5/22

Out: 1620.950+/-415.706 χ^2/NDF:36.7/25

All: 1853.106+/-293.859 χ^2/NDF: 54.8/48

dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1672.832+/-0.476 χ^2/NDF:35923.6/7

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

Left In: 1669.846+/-0.477 χ^2/NDF:31589.8/6

Left: 1671.344+/-0.337 χ^2/NDF: 67533.1/14

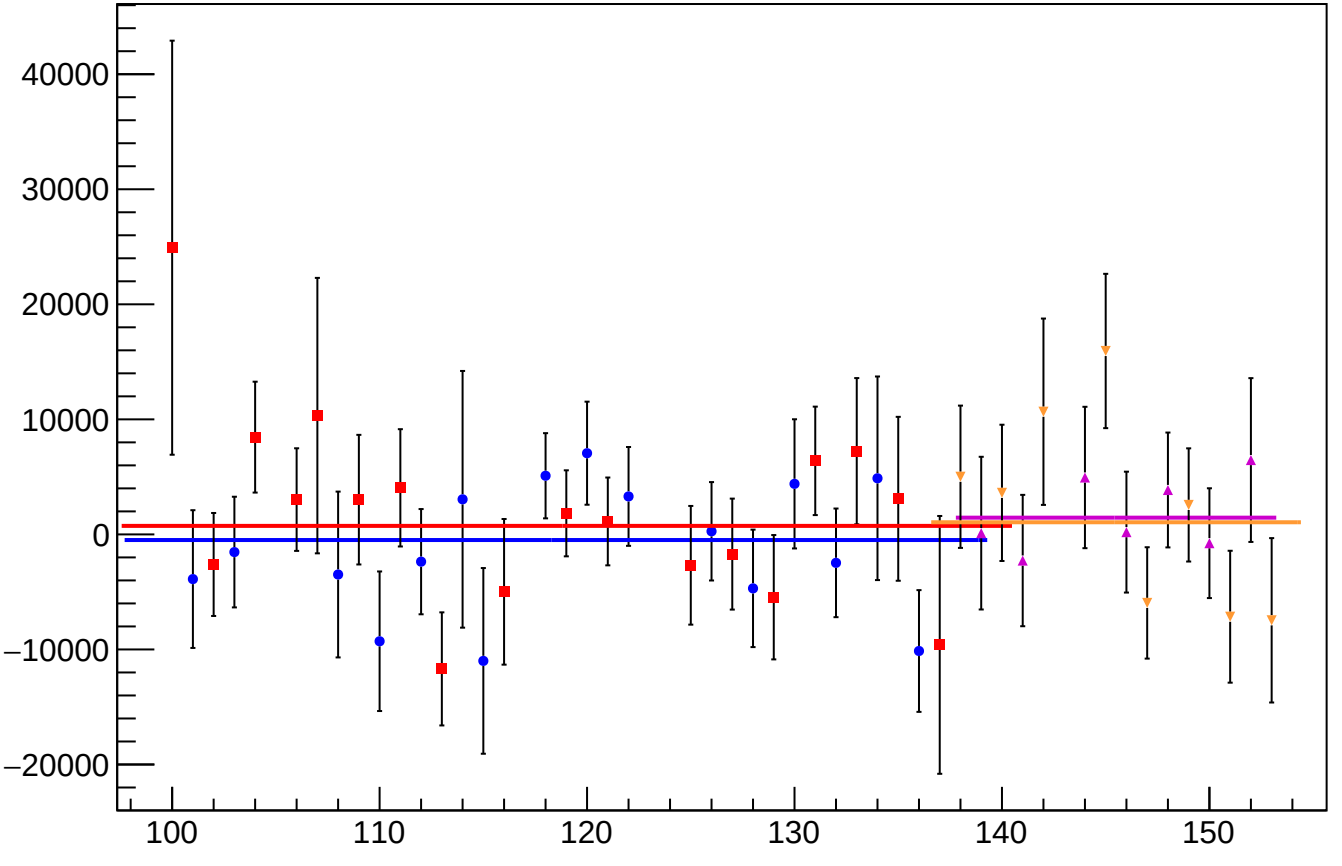
Right: 1411.321+/-0.264 χ^2/NDF: 188862.1/33

In: 1508.812+/-0.294 χ^2/NDF:314008.9/22

Out: 1511.340+/-0.293 χ^2/NDF:311818.2/25

All: 1510.077+/-0.208 χ^2/NDF: 625864.1/48

asym_usl_atl2_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: 1055.260+/-2102.710 χ^2/NDF:12.6/7

Right Out: 740.592+/-1247.947 χ^2/NDF: 19.2/17

Left In: 1455.354+/-2132.550 χ^2/NDF:1.8/6

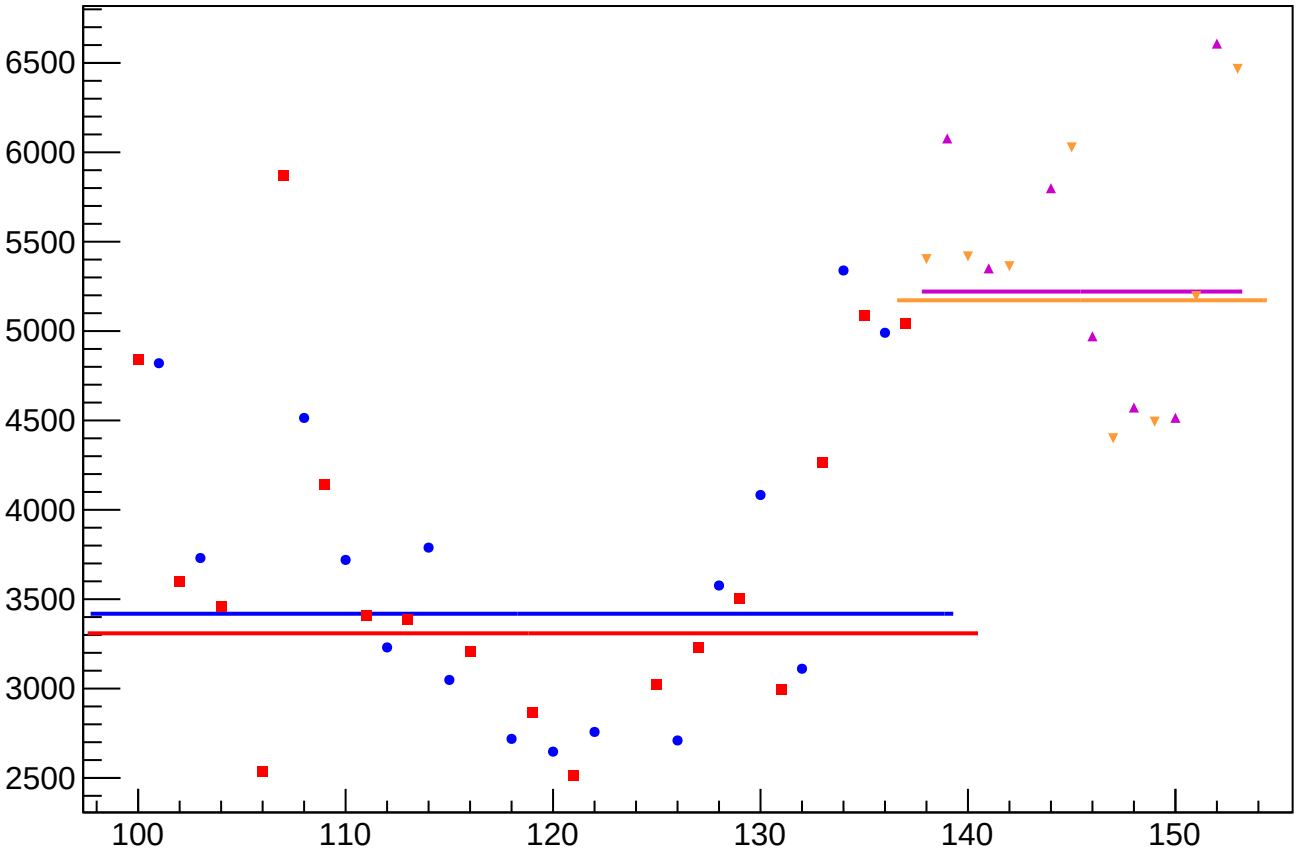
Left: 1252.488+/-1497.279 χ^2/NDF: 14.4/14

Right: 154.802+/-903.143 χ^2/NDF: 35.5/33

In: 42.626+/-1115.409 χ^2/NDF:18.2/22

Out: 822.558+/-1073.174 χ^2/NDF:31.8/25

All: 447.637+/-773.349 χ^2/NDF: 50.3/48



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5172.199+/-1.487 χ^2/NDF:194536.9/7

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

Left In: 5221.085+/-1.508 χ^2/NDF:210163.0/6

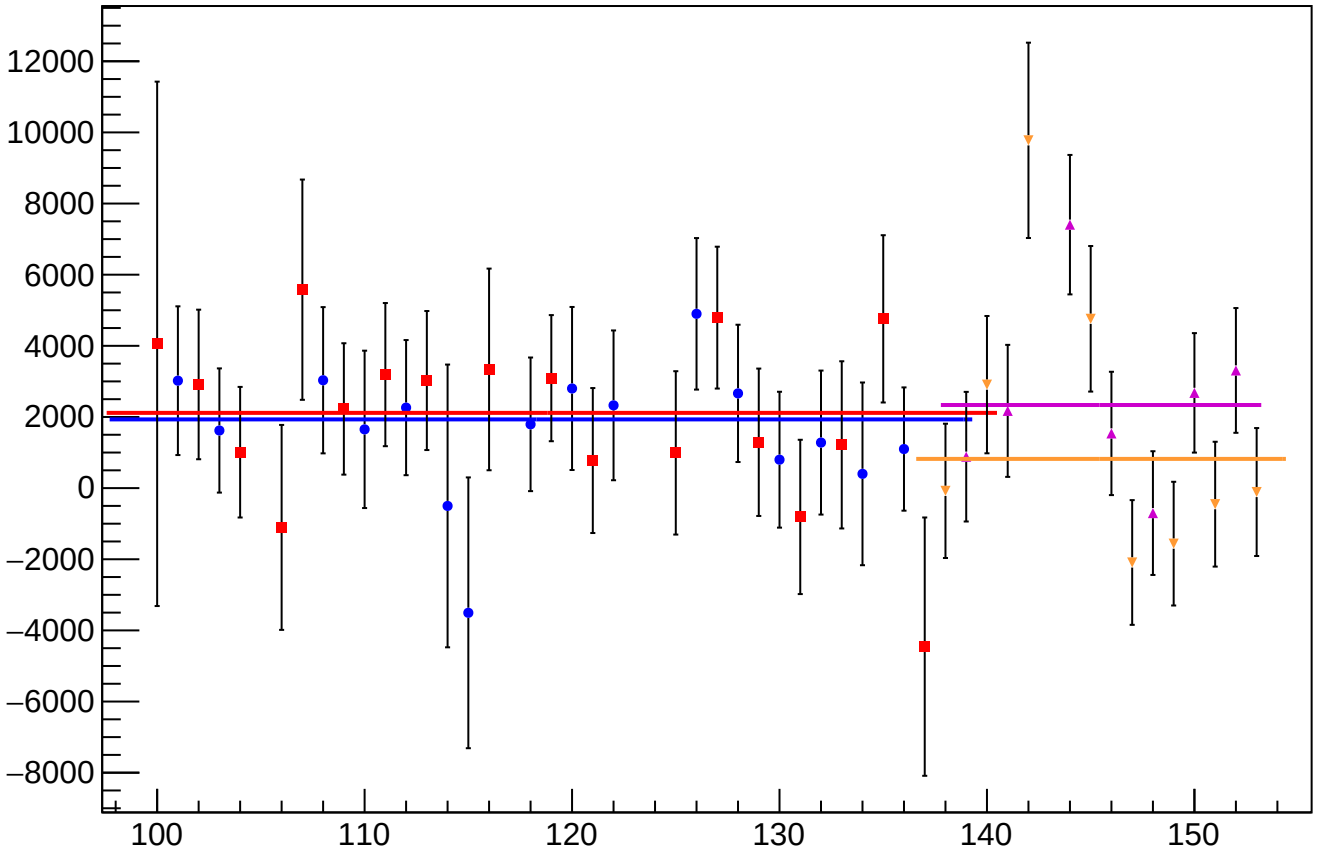
Left: 5196.298+/-1.059 χ^2/NDF: 405232.8/14

Right: 3361.304+/-0.639 χ^2/NDF: 1300501.2/33

In: 3911.780+/-0.789 χ^2/NDF:1969192.1/22

Out: 3794.417+/-0.759 χ^2/NDF:1927618.8/25

All: 3850.834+/-0.547 χ^2/NDF: 3908309.3/48



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 821.376+/-672.594 χ^2/NDF:21.2/7

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2336.562+/-674.979 χ^2/NDF:10.9/6

Left: 1576.287+/-476.436 χ^2/NDF: 34.6/14

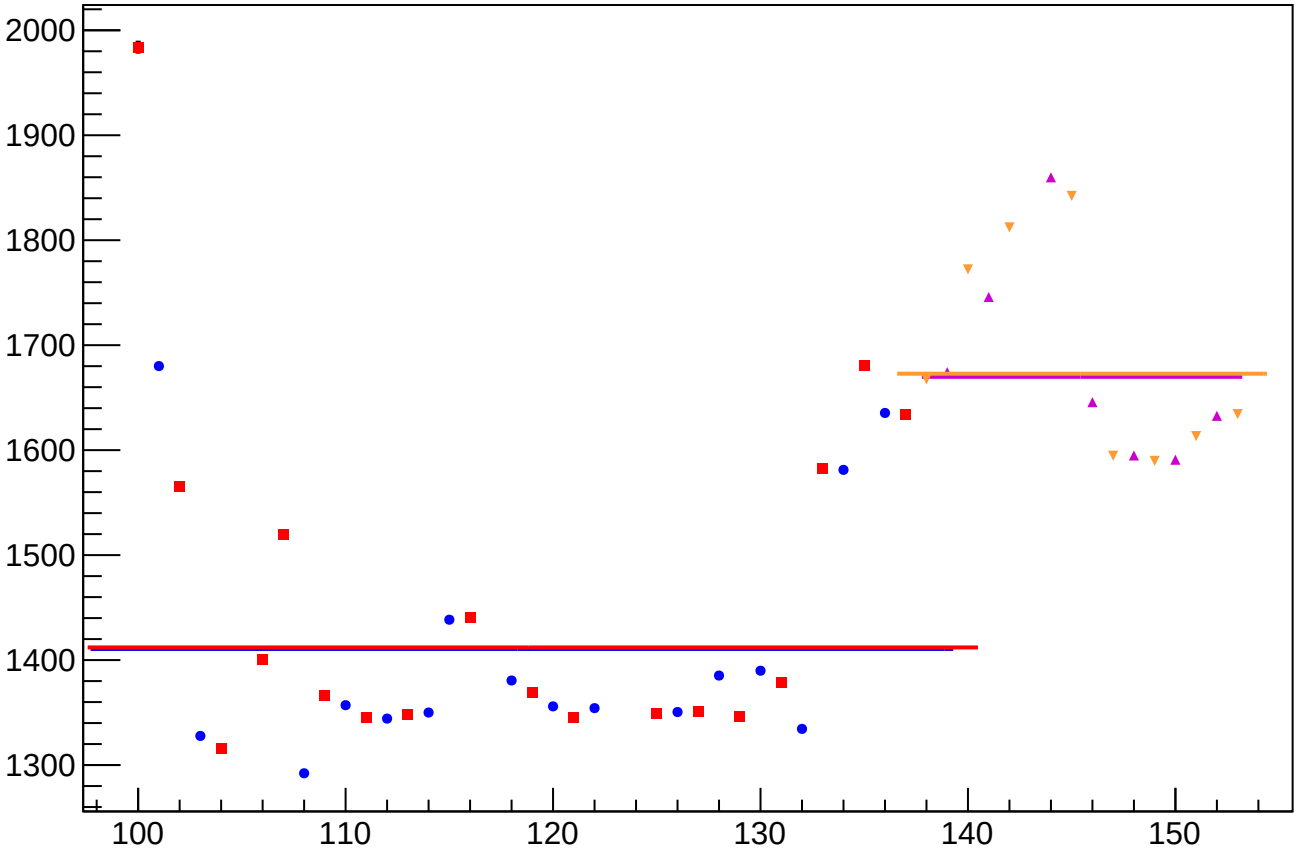
Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2084.980+/-415.453 χ^2/NDF:17.5/22

Out: 1620.951+/-415.706 χ^2/NDF:36.7/25

All: 1853.107+/-293.859 χ^2/NDF: 54.8/48

eigen_dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1672.833+/-0.476 χ^2/NDF:35924.4/7

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1669.847+/-0.477 χ^2/NDF:31590.2/6

Left: 1671.345+/-0.337 χ^2/NDF: 67534.2/14

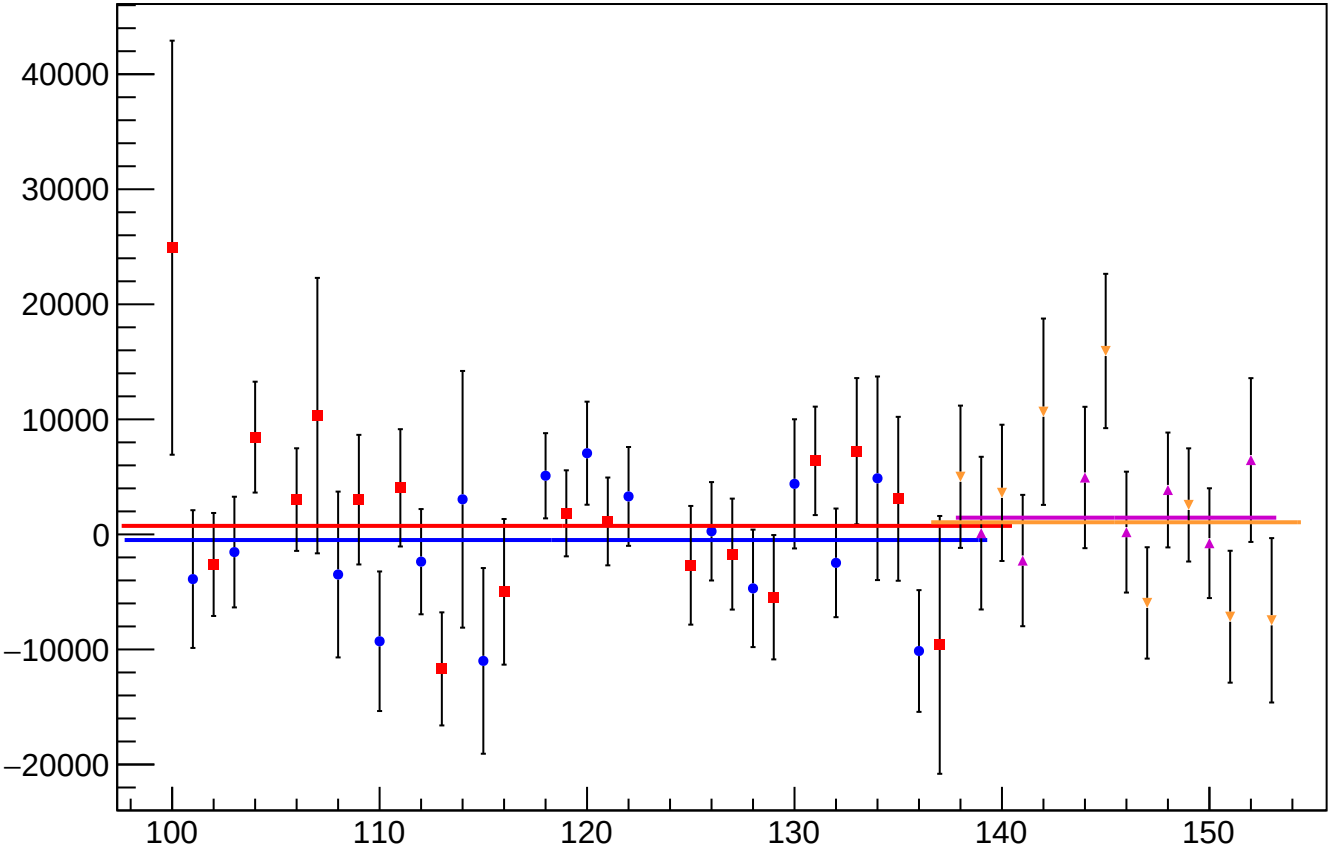
Right: 1411.321+/-0.264 χ^2/NDF: 188862.2/33

In: 1508.812+/-0.294 χ^2/NDF:314010.6/22

Out: 1511.340+/-0.293 χ^2/NDF:311820.6/25

All: 1510.077+/-0.208 χ^2/NDF: 625868.2/48

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: 1055.252+/-2102.713 χ^2/NDF:12.6/7

Right Out: 740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: 1455.357+/-2132.553 χ^2/NDF:1.8/6

Left: 1252.486+/-1497.281 χ^2/NDF: 14.4/14

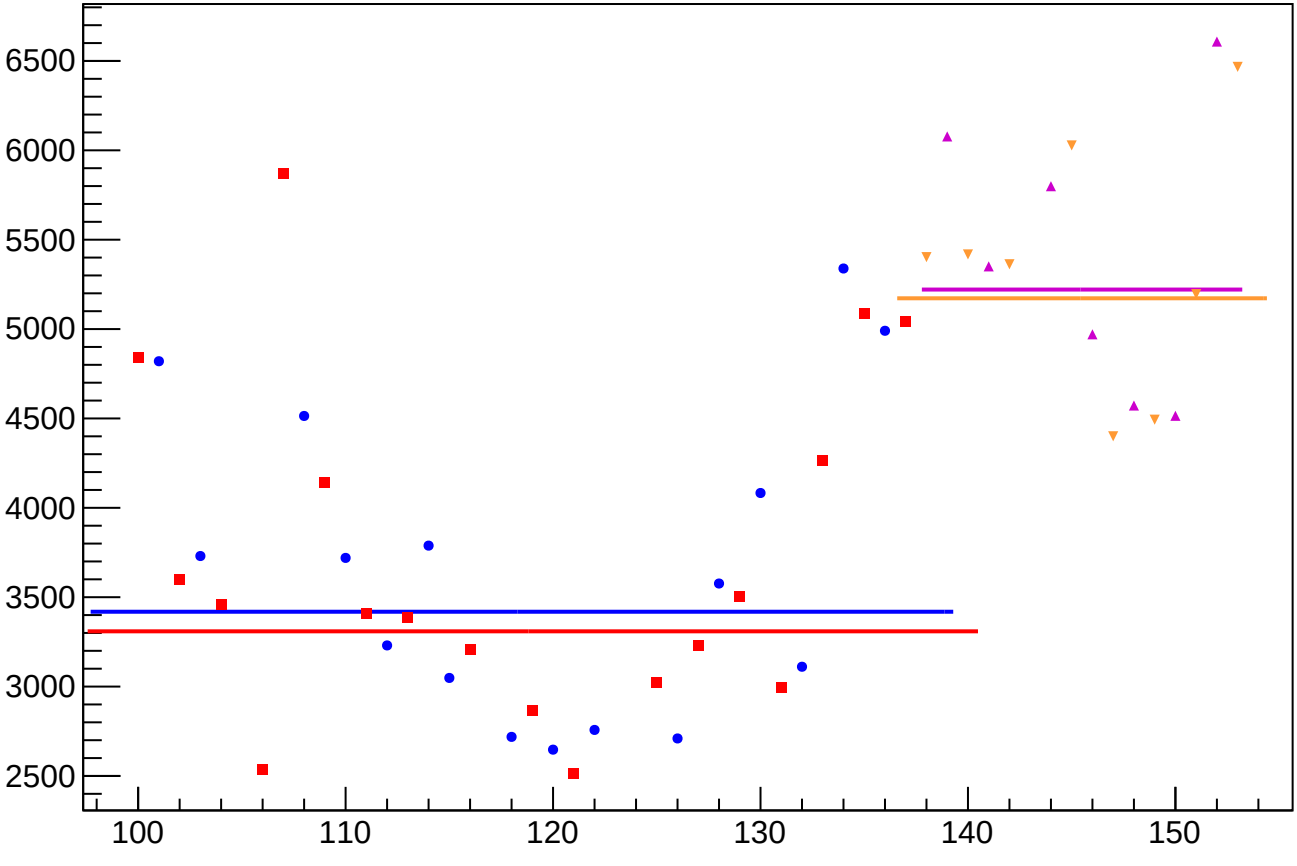
Right: 154.807+/-903.141 χ^2/NDF: 35.5/33

In: 42.629+/-1115.407 χ^2/NDF:18.2/22

Out: 822.557+/-1073.172 χ^2/NDF:31.8/25

All: 447.638+/-773.347 χ^2/NDF: 50.3/48

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: 5172.206+/-1.487 χ^2/NDF:194539.4/7

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

Left In: 5221.090+/-1.508 χ^2/NDF:210165.2/6

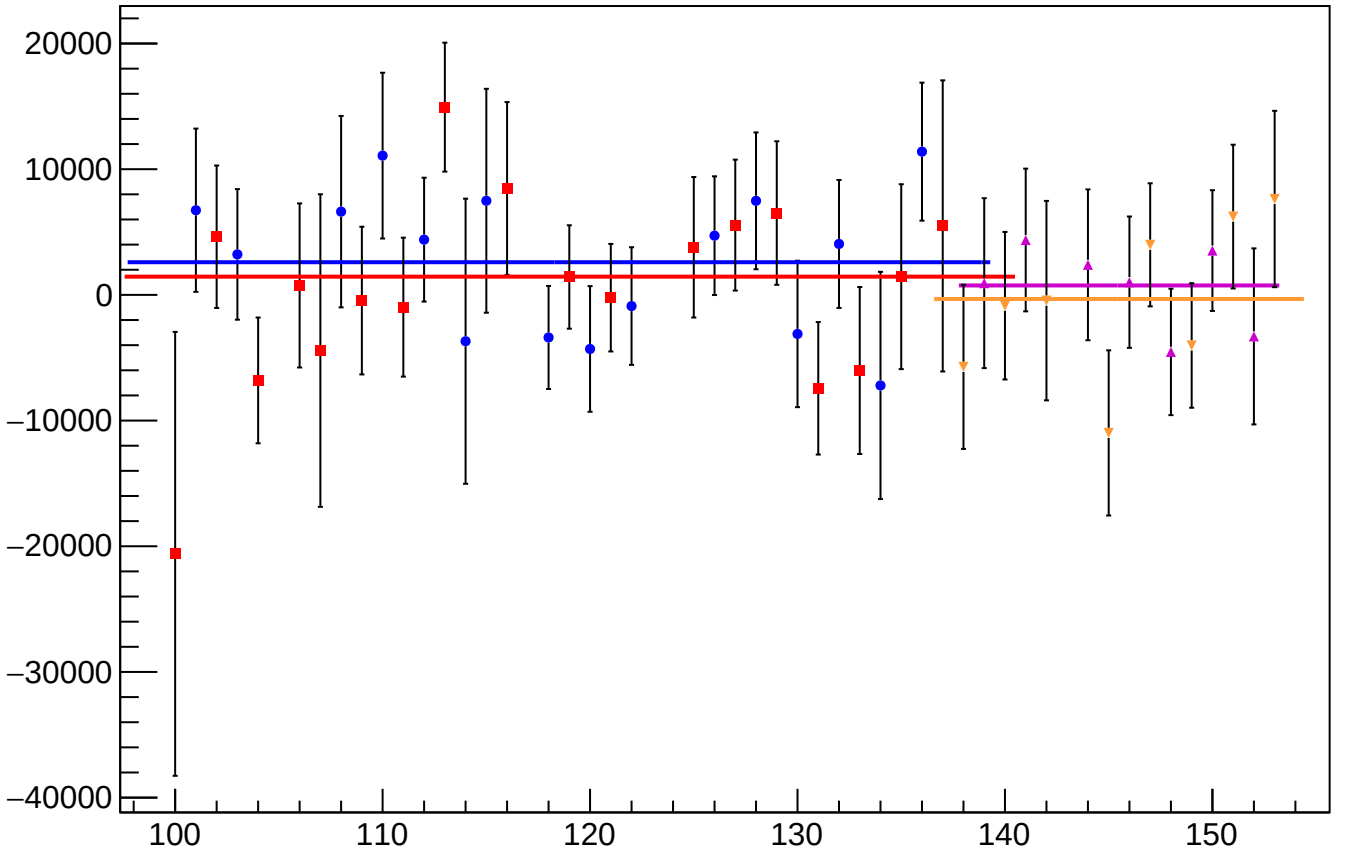
Left: 5196.304+/-1.059 χ^2/NDF: 405237.4/14

Right: 3361.294+/-0.639 χ^2/NDF: 1300513.6/33

In: 3911.771+/-0.789 χ^2/NDF:1969222.3/22

Out: 3794.408+/-0.759 χ^2/NDF:1927644.7/25

All: 3850.825+/-0.547 χ^2/NDF: 3908365.4/48



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: -325.030+/-2108.598 χ^2/NDF:7.3/7

Right Out: 1450.418+/-1382.818 χ^2/NDF: 19.0/17

Left In: 750.915+/-2129.114 χ^2/NDF:2.3/6

Left: 207.734+/-1498.205 χ^2/NDF: 9.6/14

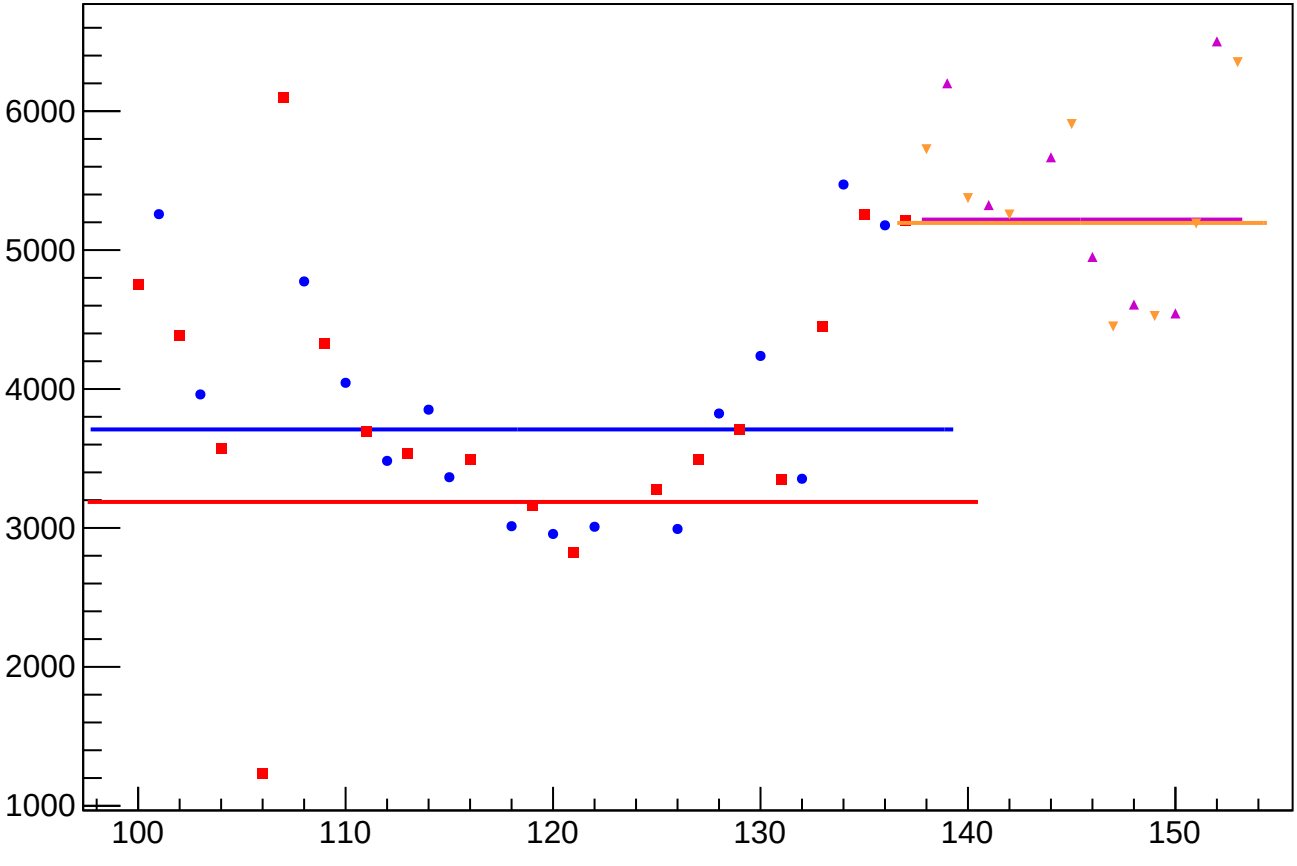
Right: 2012.006+/-988.811 χ^2/NDF: 32.9/33

In: 2033.515+/-1178.187 χ^2/NDF:16.3/22

Out: 916.479+/-1156.341 χ^2/NDF:26.8/25

All: 1464.545+/-825.272 χ^2/NDF: 43.5/48

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5195.536+/-1.491 χ^2/NDF:175984.8/7

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

Left In: 5219.558+/-1.506 χ^2/NDF:195522.3/6

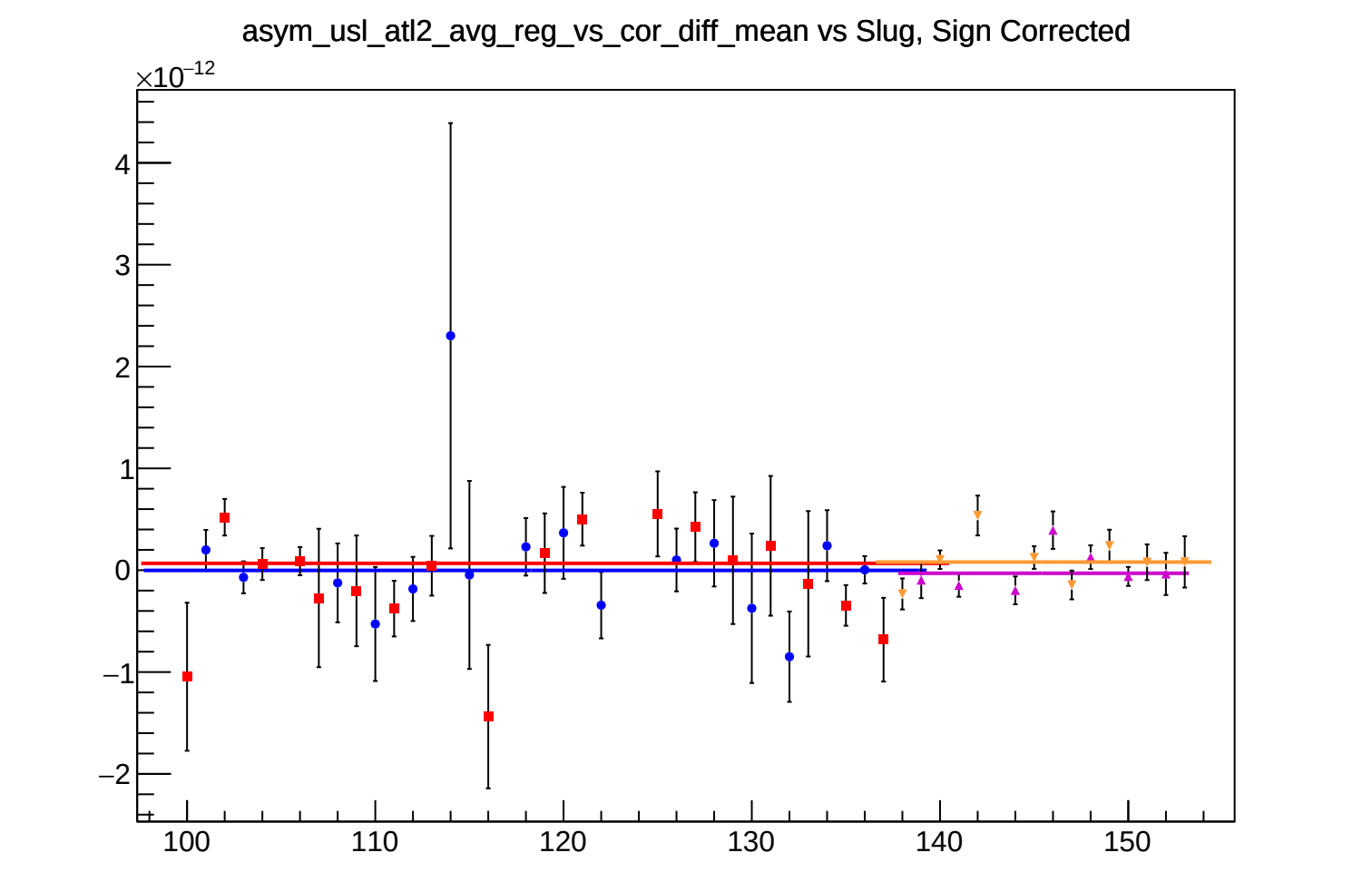
Left: 5207.431+/-1.059 χ^2/NDF: 371635.6/14

Right: 3419.452+/-0.667 χ^2/NDF: 2372609.3/33

In: 4171.666+/-0.833 χ^2/NDF:1504459.4/22

Out: 3719.654+/-0.768 χ^2/NDF:3120116.1/25

All: 3927.230+/-0.565 χ^2/NDF: 4783765.9/48



Right In: -0.000+/-0.000 χ^2/NDF: 11.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.5/7

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: -0.000+/-0.000 χ^2/NDF:10.0/6

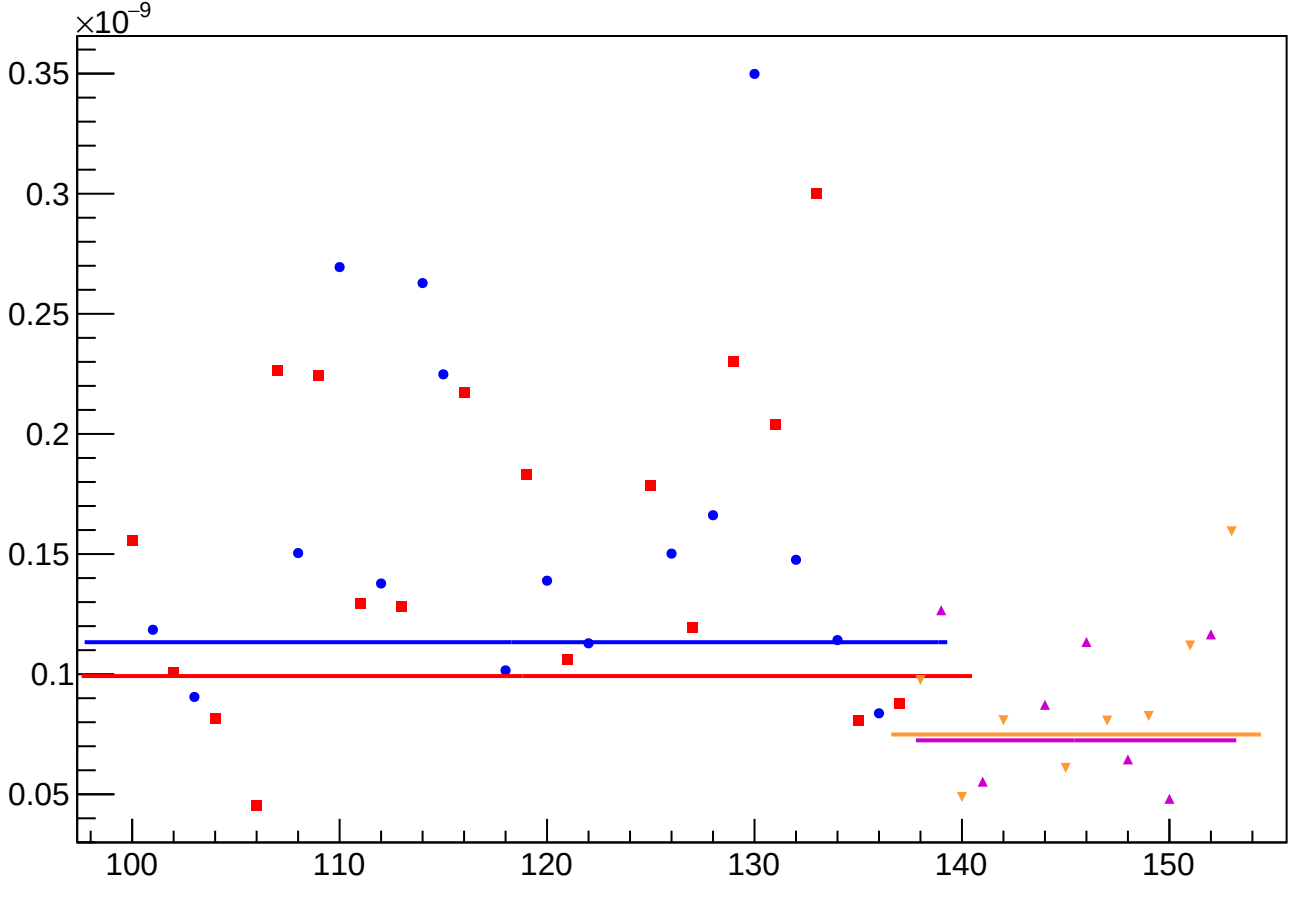
Left: 0.000+/-0.000 χ^2/NDF: 25.9/14

Right: 0.000+/-0.000 χ^2/NDF: 41.1/33

In: -0.000+/-0.000 χ^2/NDF:21.2/22

Out: 0.000+/-0.000 χ^2/NDF:43.0/25

All: 0.000+/-0.000 χ^2/NDF: 67.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:562815.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

Left In: 0.000+/-0.000 χ^2/NDF:591087.3/6

Left: 0.000+/-0.000 χ^2/NDF: 1156322.7/14

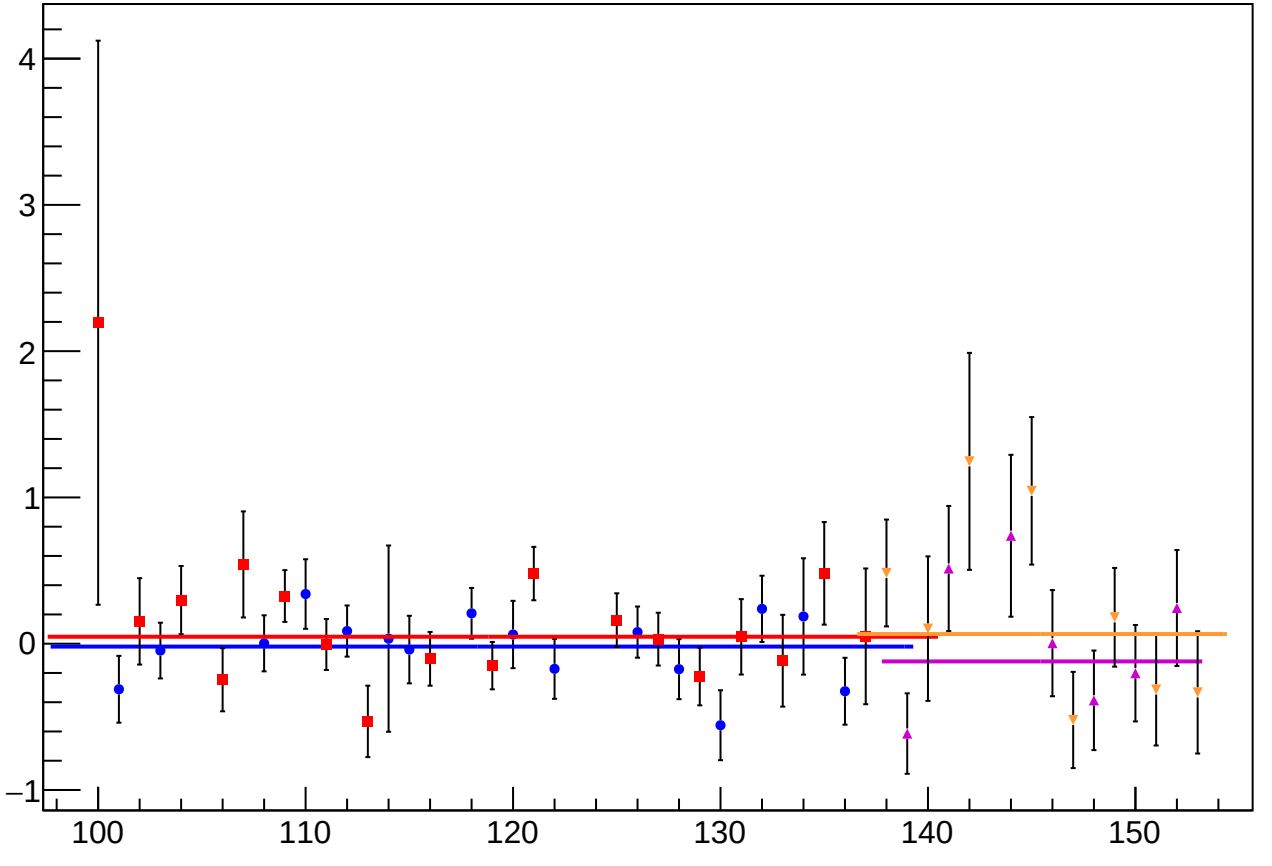
Right: 0.000+/-0.000 χ^2/NDF: 1799459.5/33

In: 0.000+/-0.000 χ^2/NDF:1696702.3/22

Out: 0.000+/-0.000 χ^2/NDF:1838872.4/25

All: 0.000+/-0.000 χ^2/NDF: 3538927.3/48

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.066+/-0.144 χ^2/NDF:12.8/7

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.121+/-0.136 χ^2/NDF:9.5/6

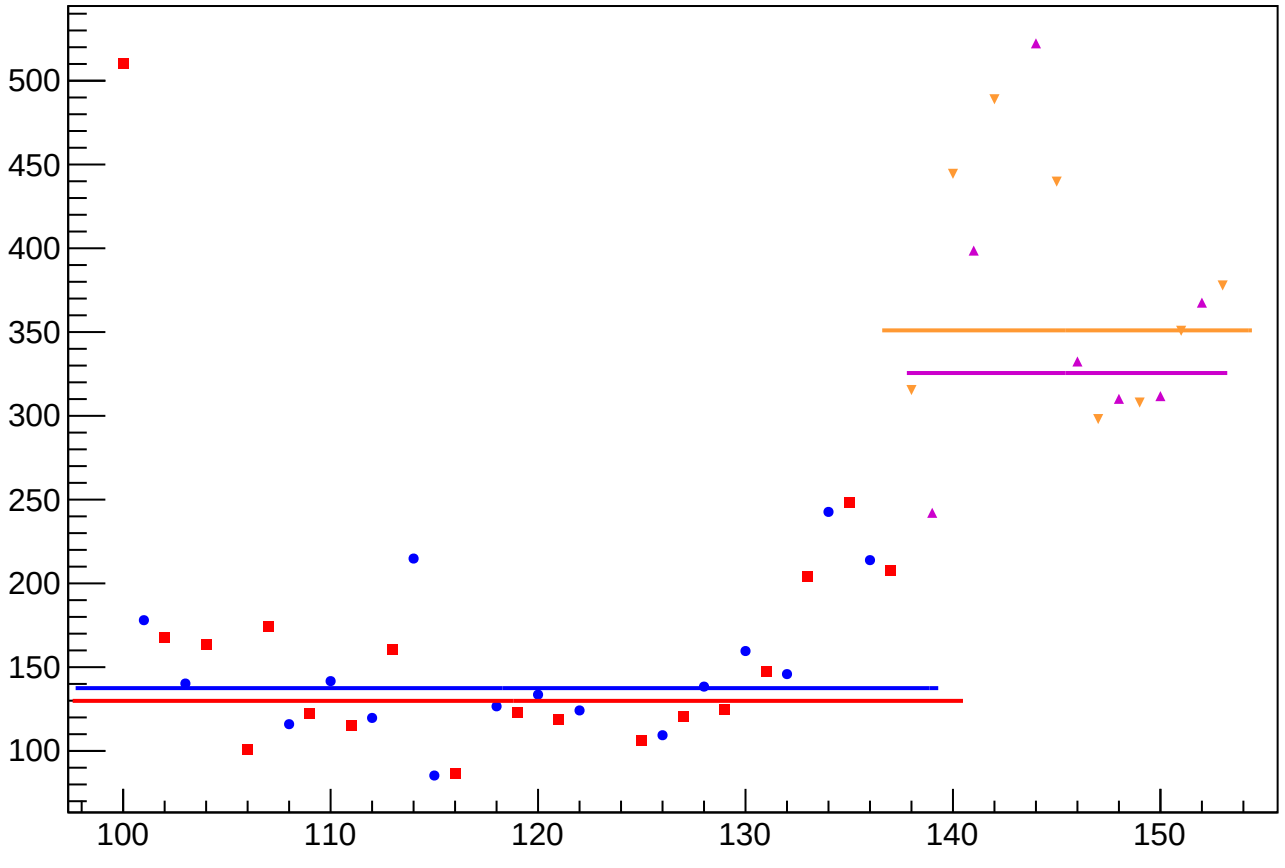
Left: -0.033+/-0.099 χ^2/NDF: 23.2/14

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.034+/-0.050 χ^2/NDF:26.0/22

Out: 0.050+/-0.049 χ^2/NDF:39.1/25

All: 0.009+/-0.035 χ^2/NDF: 66.5/48



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 351.009+/-0.102 χ^2/NDF:314291.7/7

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 325.555+/-0.096 χ^2/NDF:525866.4/6

Left: 337.551+/-0.070 χ^2/NDF: 872969.7/14

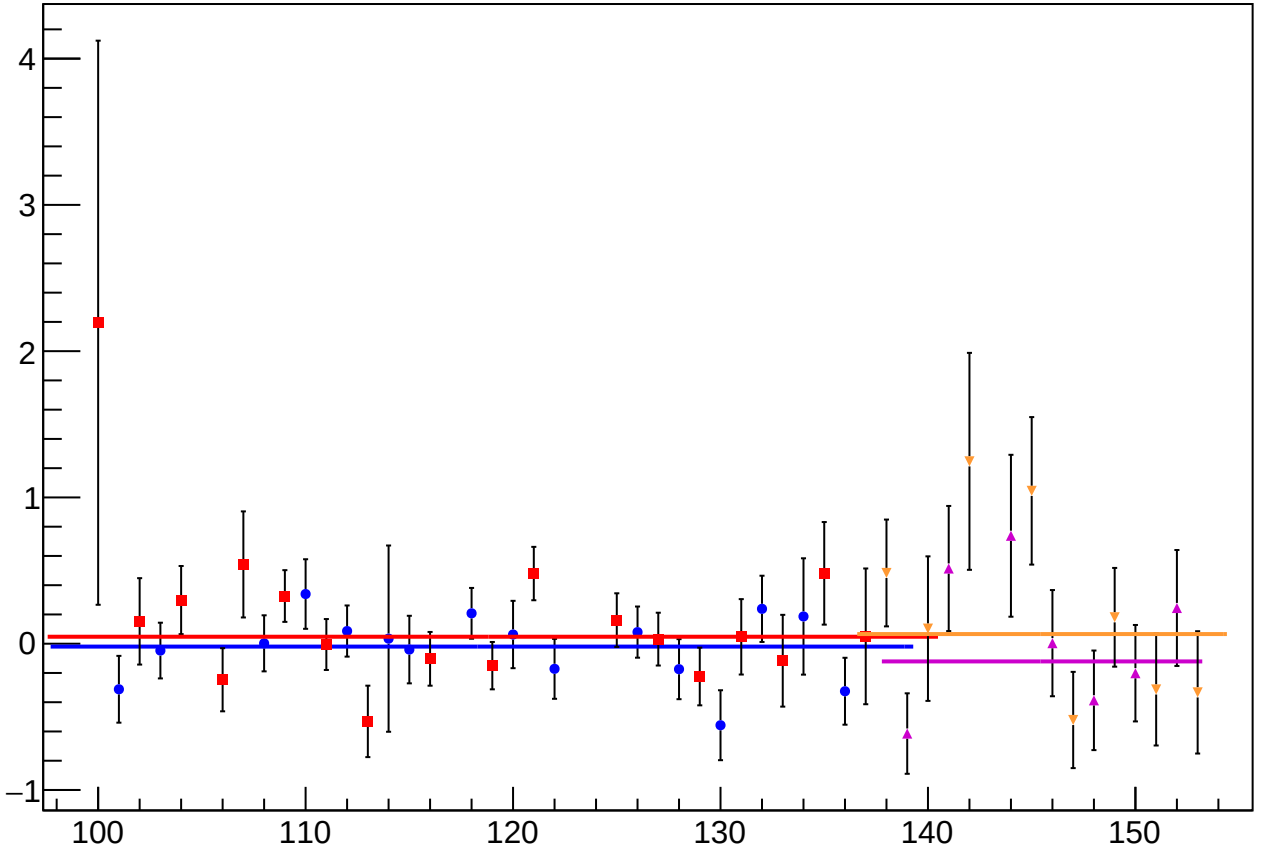
Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 163.135+/-0.036 χ^2/NDF:4501260.1/22

Out: 155.670+/-0.035 χ^2/NDF:5285957.6/25

All: 159.325+/-0.025 χ^2/NDF: 9809634.2/48

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: 0.066+/-0.144 χ^2/NDF:12.8/7

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.121+/-0.136 χ^2/NDF:9.5/6

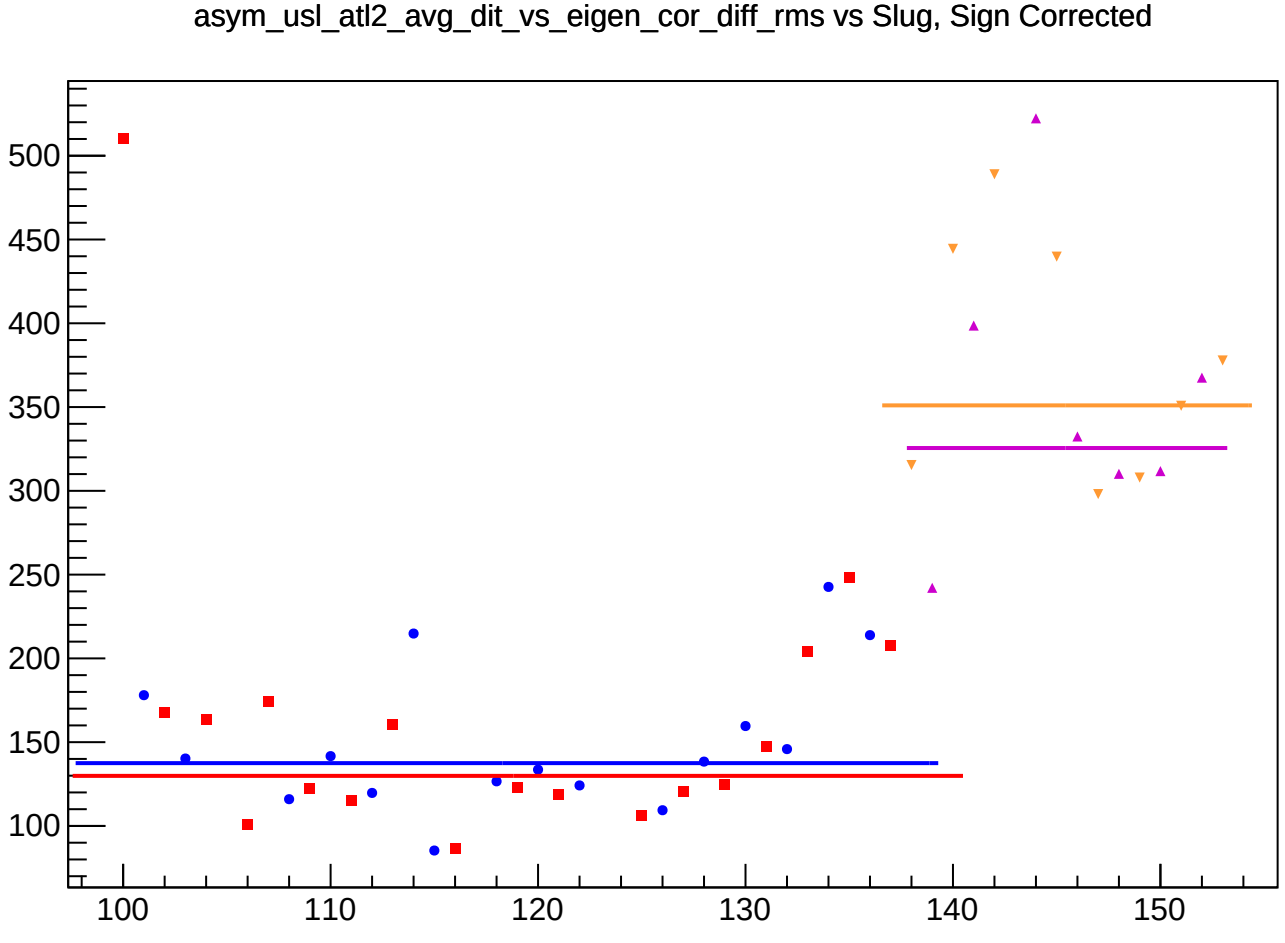
Left: -0.033+/-0.099 χ^2/NDF: 23.2/14

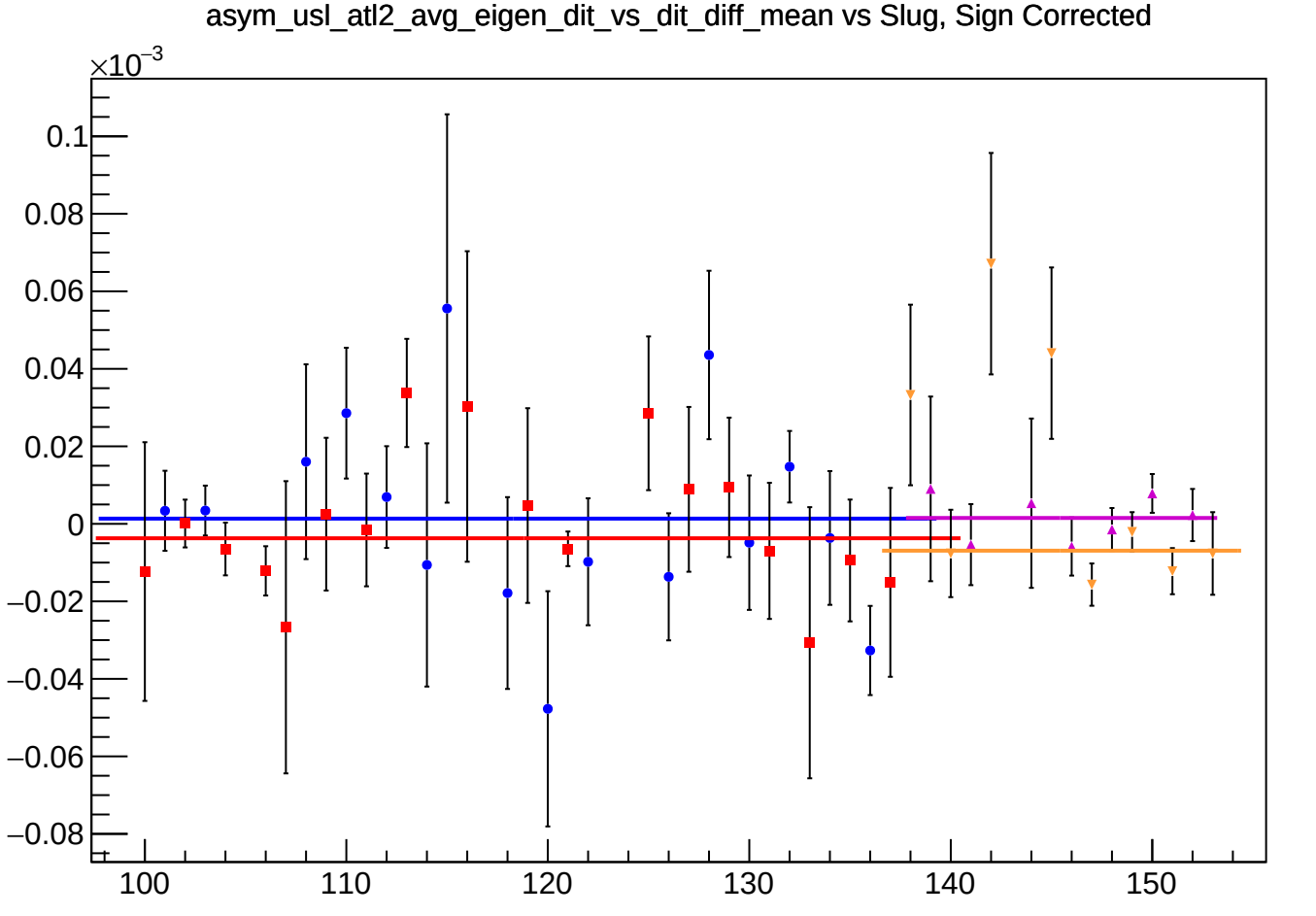
Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.034+/-0.050 χ^2/NDF:26.0/22

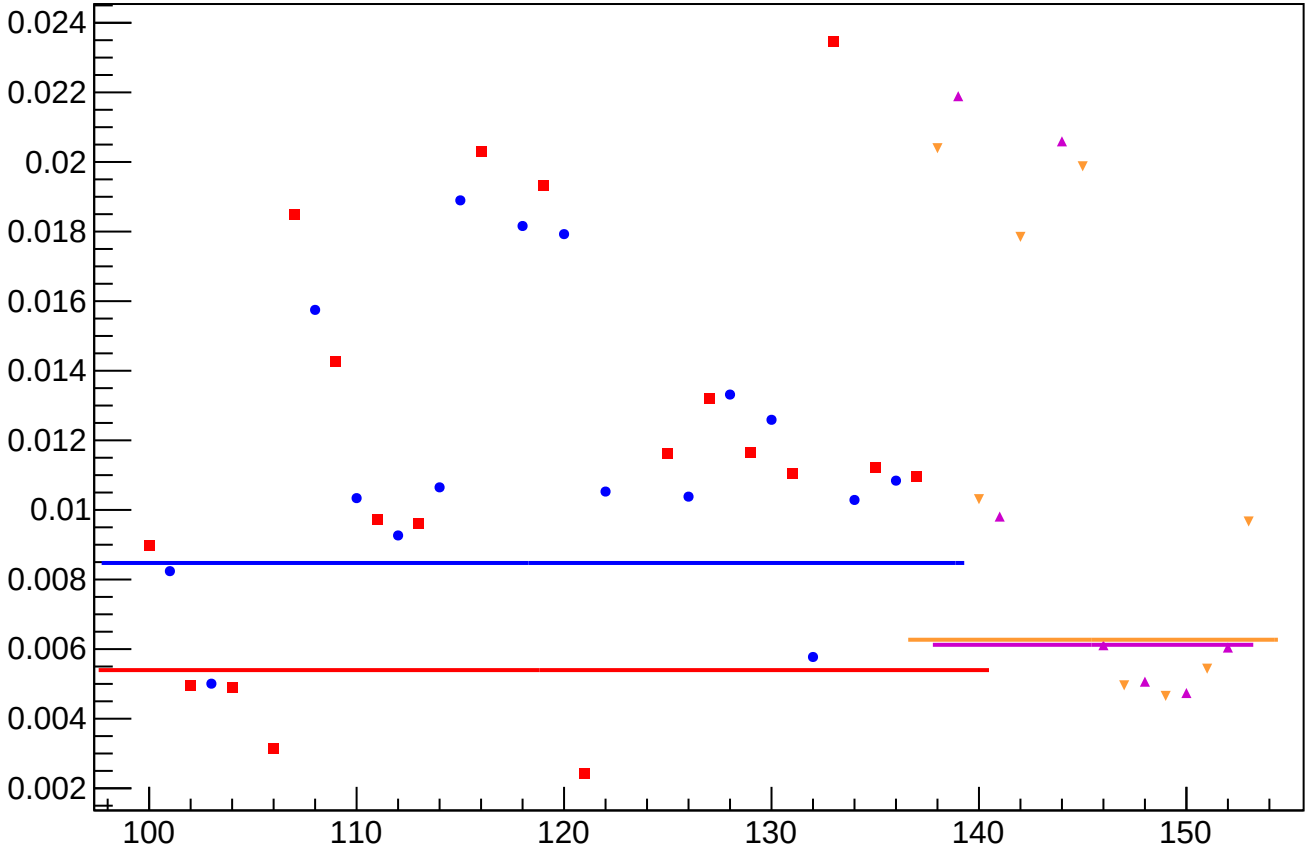
Out: 0.050+/-0.049 χ^2/NDF:39.1/25

All: 0.009+/-0.035 χ^2/NDF: 66.5/48


asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
500
450
400
350
300
250
200
150
100
100
110
120
130
140
150
Right In: 137.492+/-0.038 χ²/NDF: 692947.9/15
Left Out: 351.009+/-0.102 χ²/NDF:314291.7/7
Right Out: 129.887+/-0.037 χ²/NDF: 833983.9/17
Left In: 325.555+/-0.096 χ²/NDF:525866.4/6
Left: 337.551+/-0.070 χ²/NDF: 872969.7/14
Right: 133.568+/-0.027 χ²/NDF: 1547246.7/33
In: 163.135+/-0.036 χ²/NDF:4501260.1/22
Out: 155.670+/-0.035 χ²/NDF:5285957.6/25
All: 159.325+/-0.025 χ²/NDF: 9809634.2/48


asym_usl_atl2_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
Right In: 0.000+/-0.000 χ²/NDF: 23.9/15
Left Out: -0.000+/-0.000 χ²/NDF:19.3/7
Right Out: -0.000+/-0.000 χ²/NDF: 15.8/17
Left In: 0.000+/-0.000 χ²/NDF:3.4/6
Left: -0.000+/-0.000 χ²/NDF: 27.1/14
Right: -0.000+/-0.000 χ²/NDF: 41.1/33
In: 0.000+/-0.000 χ²/NDF:27.4/22
Out: -0.000+/-0.000 χ²/NDF:35.8/25
All: -0.000+/-0.000 χ²/NDF: 68.3/48

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: 0.006+/-0.000 χ^2/NDF:2635939.7/7

Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.006+/-0.000 χ^2/NDF:2228812.2/6

Left: 0.006+/-0.000 χ^2/NDF: 4867382.2/14

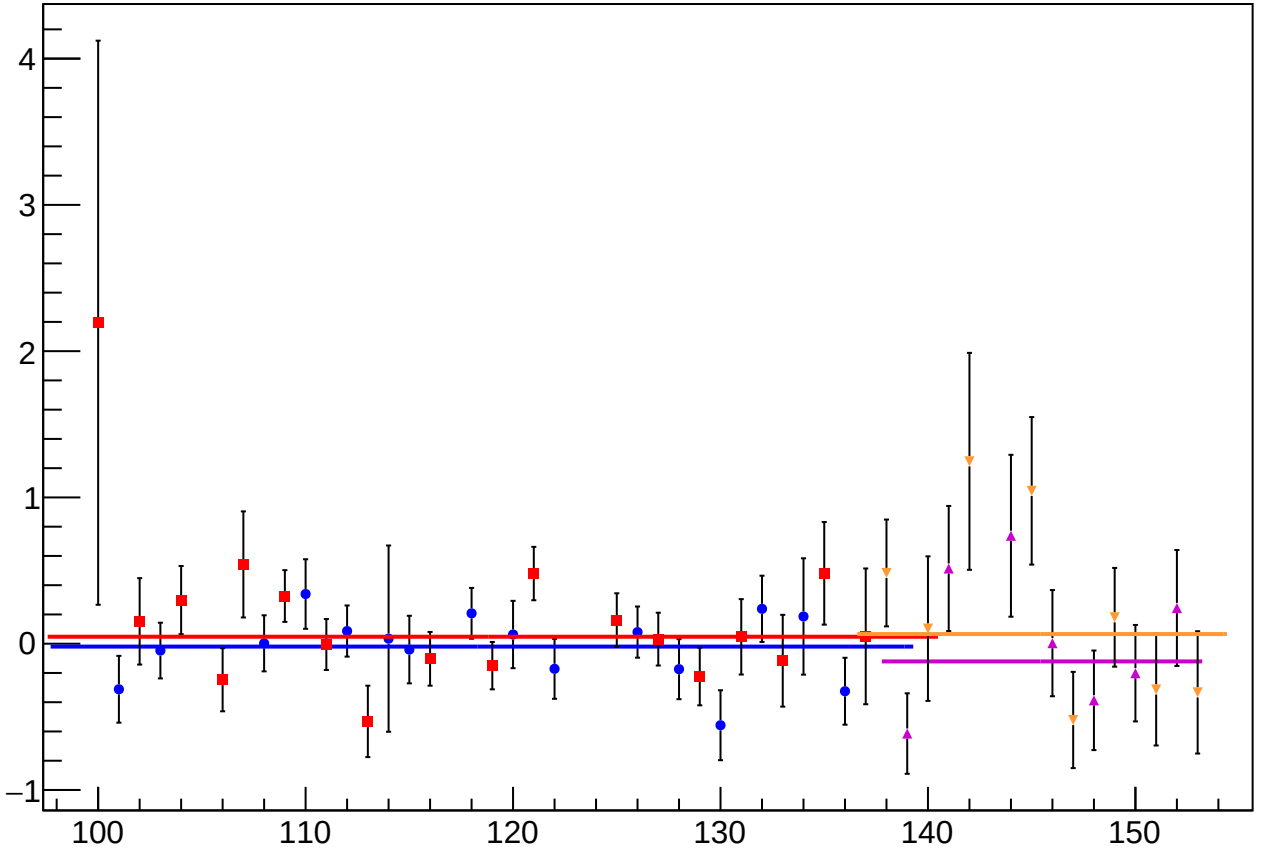
Right: 0.006+/-0.000 χ^2/NDF: 7872620.7/33

In: 0.007+/-0.000 χ^2/NDF:4711800.1/22

Out: 0.006+/-0.000 χ^2/NDF:7649608.6/25

All: 0.006+/-0.000 χ^2/NDF: 12758678.2/48

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: 0.066+/-0.144 χ^2/NDF:12.8/7

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.121+/-0.136 χ^2/NDF:9.5/6

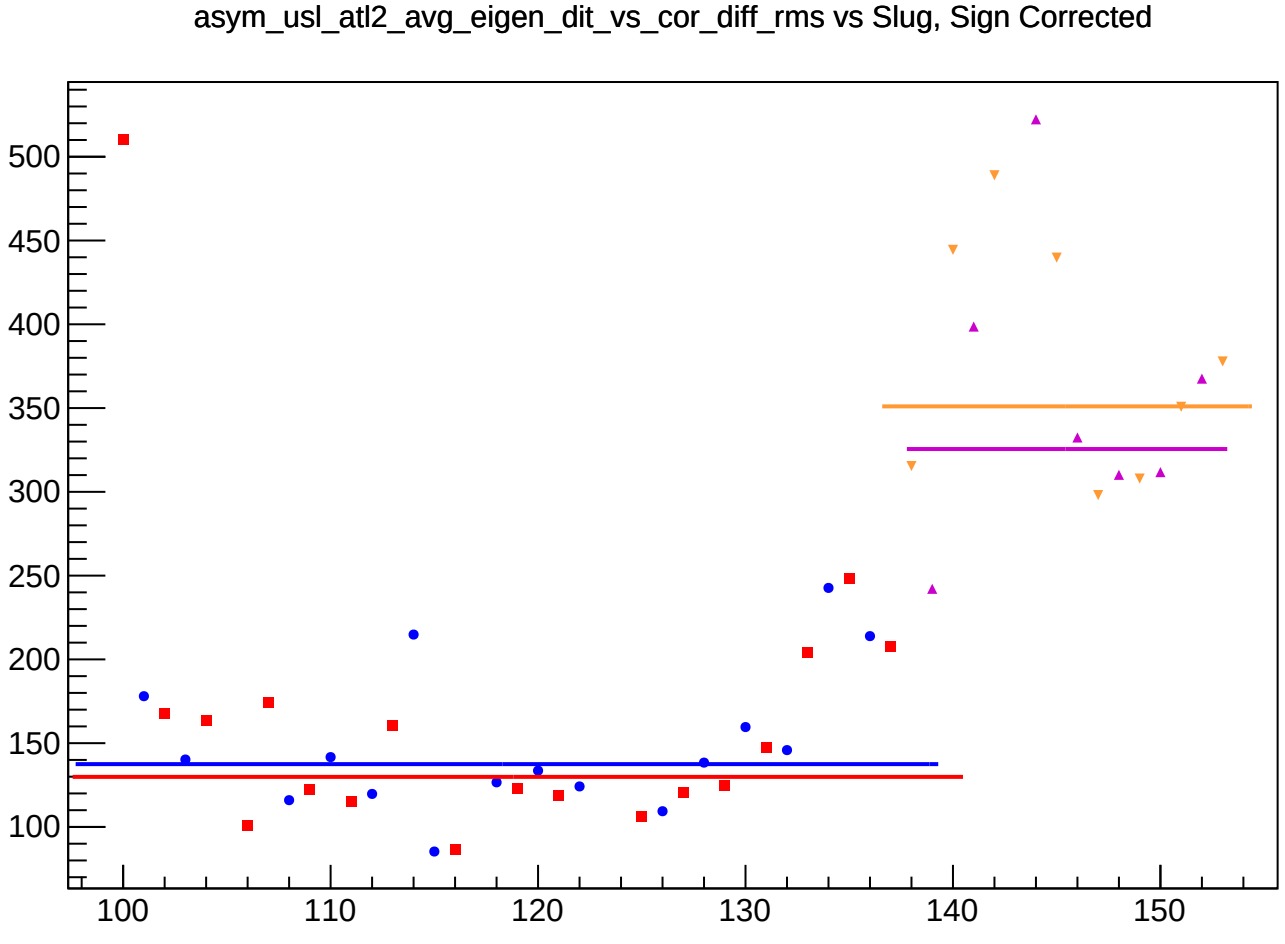
Left: -0.033+/-0.099 χ^2/NDF: 23.2/14

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.034+/-0.050 χ^2/NDF:26.0/22

Out: 0.050+/-0.049 χ^2/NDF:39.1/25

All: 0.009+/-0.035 χ^2/NDF: 66.5/48



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 351.011+/-0.102 χ^2/NDF:314320.8/7

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 325.560+/-0.096 χ^2/NDF:525848.7/6

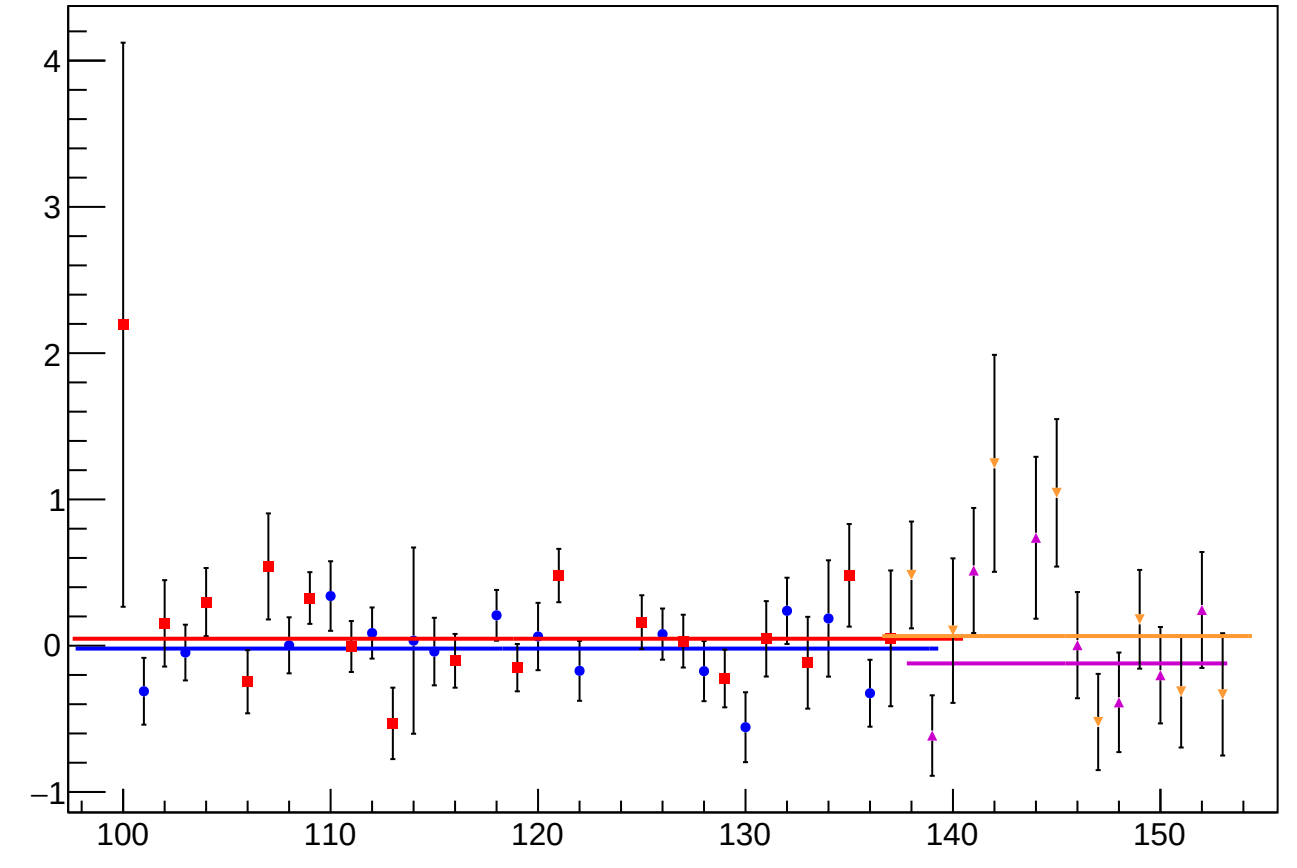
Left: 337.555+/-0.070 χ^2/NDF: 872976.3/14

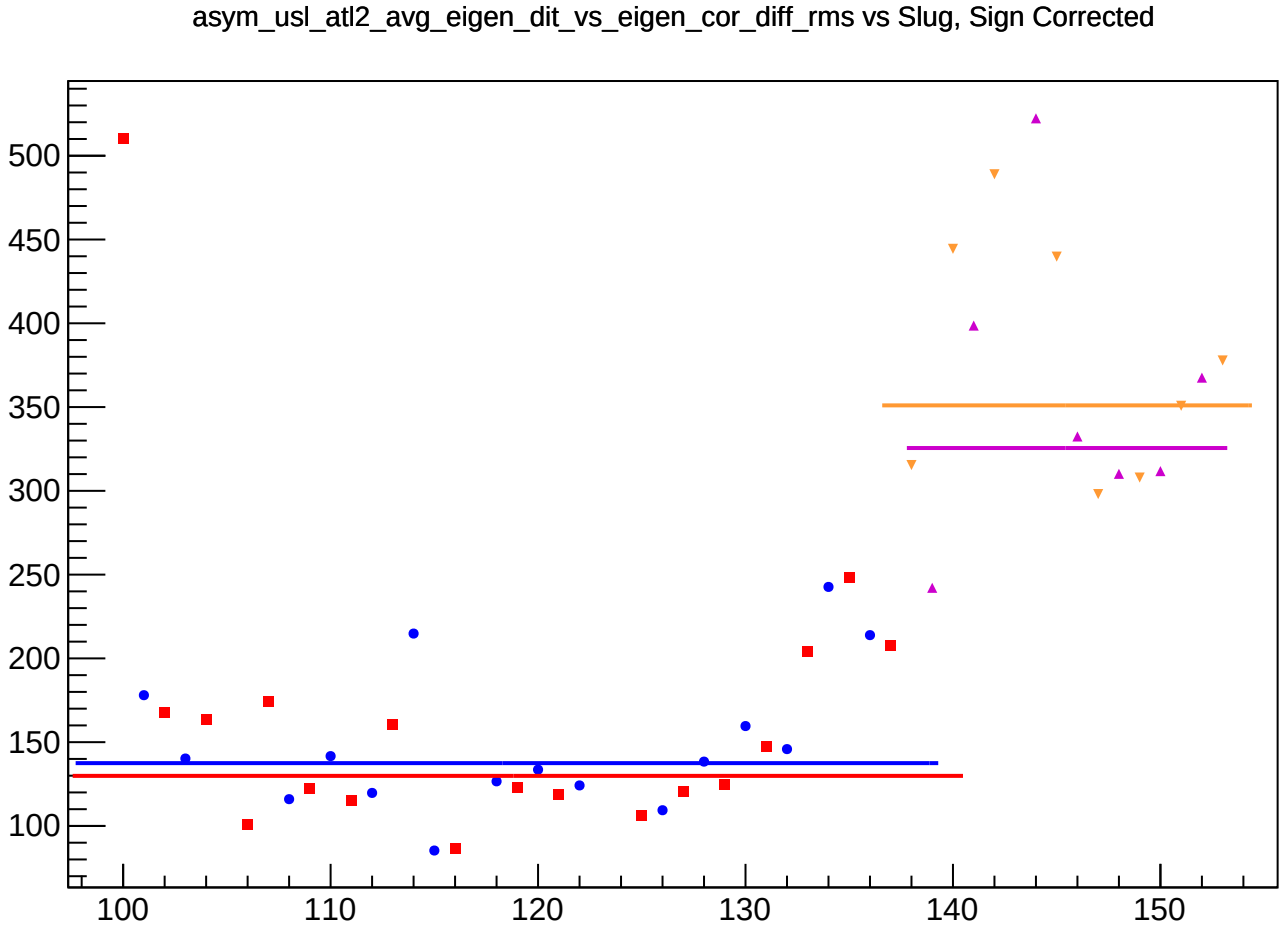
Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 163.134+/-0.036 χ^2/NDF:4501305.9/22

Out: 155.669+/-0.035 χ^2/NDF:5285984.2/25

All: 159.324+/-0.025 χ^2/NDF: 9809706.4/48


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
Right In: -0.020+/-0.054 χ²/NDF: 16.0/15
Left Out: 0.066+/-0.144 χ²/NDF:12.8/7
Right Out: 0.048+/-0.052 χ²/NDF: 26.3/17
Left In: -0.121+/-0.136 χ²/NDF:9.5/6
Left: -0.033+/-0.099 χ²/NDF: 23.2/14
Right: 0.015+/-0.038 χ²/NDF: 43.1/33
In: -0.034+/-0.050 χ²/NDF:26.0/22
Out: 0.050+/-0.049 χ²/NDF:39.1/25
All: 0.009+/-0.035 χ²/NDF: 66.5/48



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 351.011+/-0.102 χ^2/NDF:314320.8/7

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 325.560+/-0.096 χ^2/NDF:525848.7/6

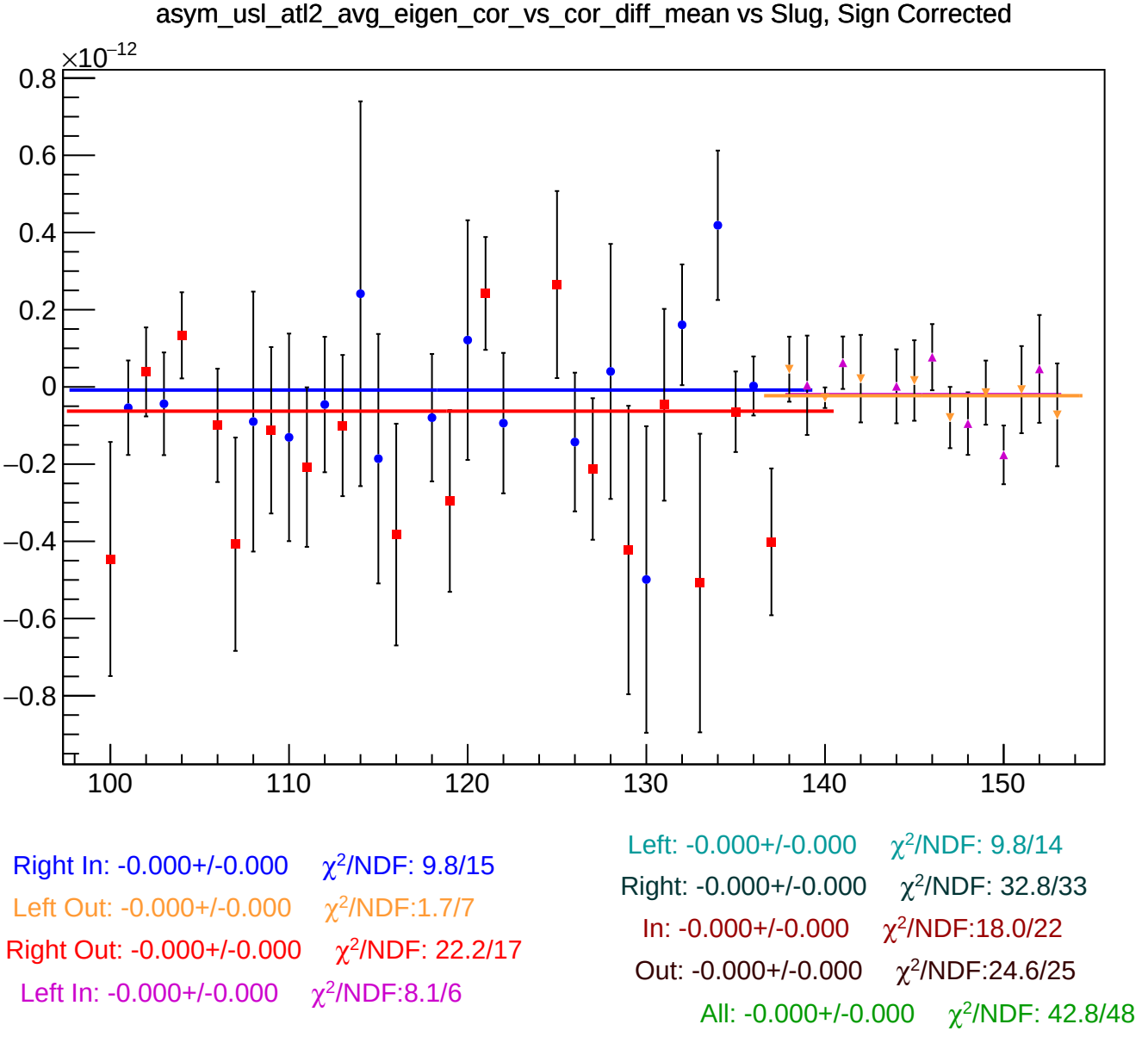
Left: 337.555+/-0.070 χ^2/NDF: 872976.3/14

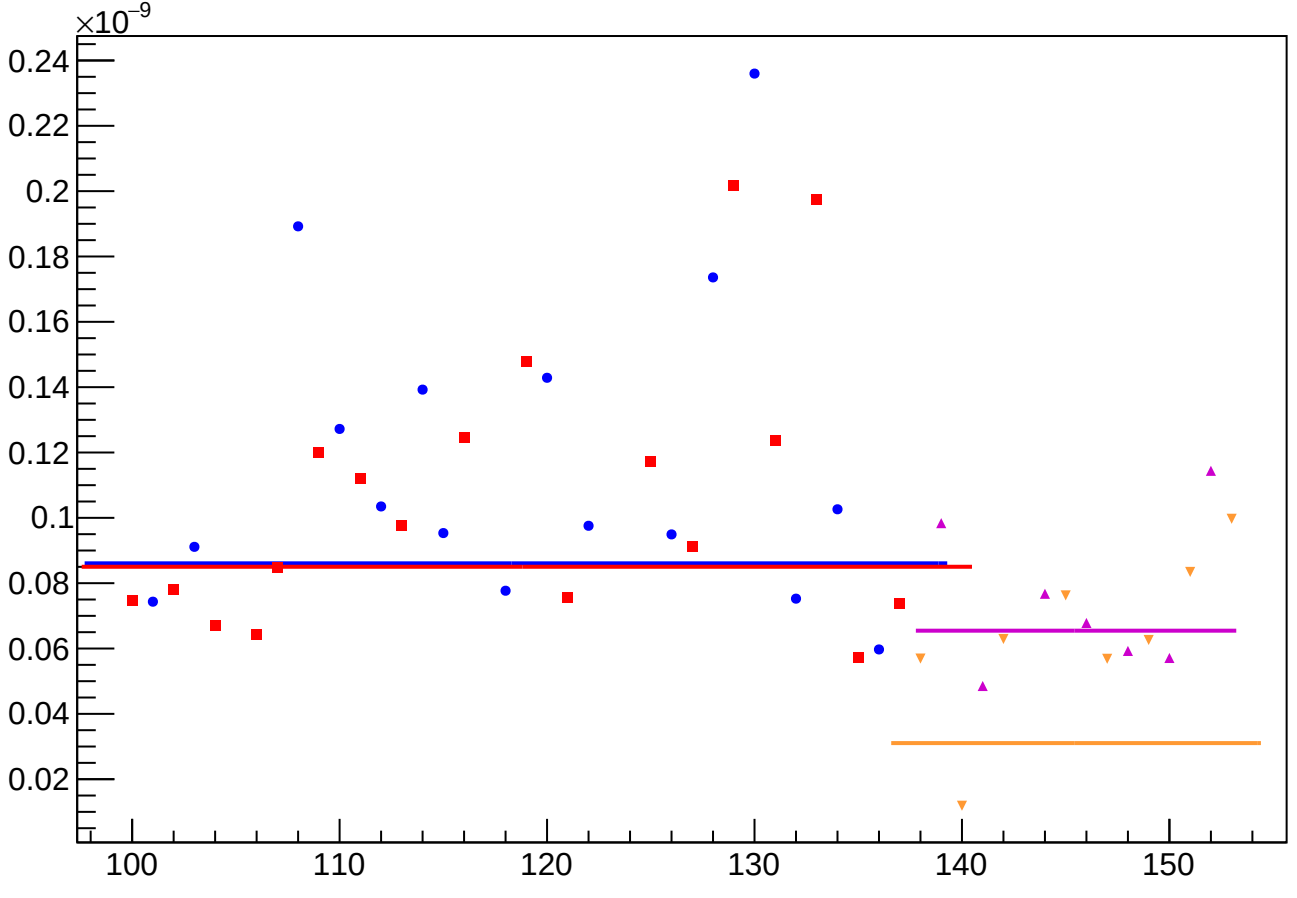
Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 163.134+/-0.036 χ^2/NDF:4501305.9/22

Out: 155.669+/-0.035 χ^2/NDF:5285984.2/25

All: 159.324+/-0.025 χ^2/NDF: 9809706.4/48


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
Right In: -0.000+/-0.000 χ²/NDF: 9.8/15
Left Out: -0.000+/-0.000 χ²/NDF:1.7/7
Right Out: -0.000+/-0.000 χ²/NDF: 22.2/17
Left In: -0.000+/-0.000 χ²/NDF:8.1/6
Left: -0.000+/-0.000 χ²/NDF: 9.8/14
Right: -0.000+/-0.000 χ²/NDF: 32.8/33
In: -0.000+/-0.000 χ²/NDF:18.0/22
Out: -0.000+/-0.000 χ²/NDF:24.6/25
All: -0.000+/-0.000 χ²/NDF: 42.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3218722.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

Left In: 0.000+/-0.000 χ^2/NDF:565778.3/6

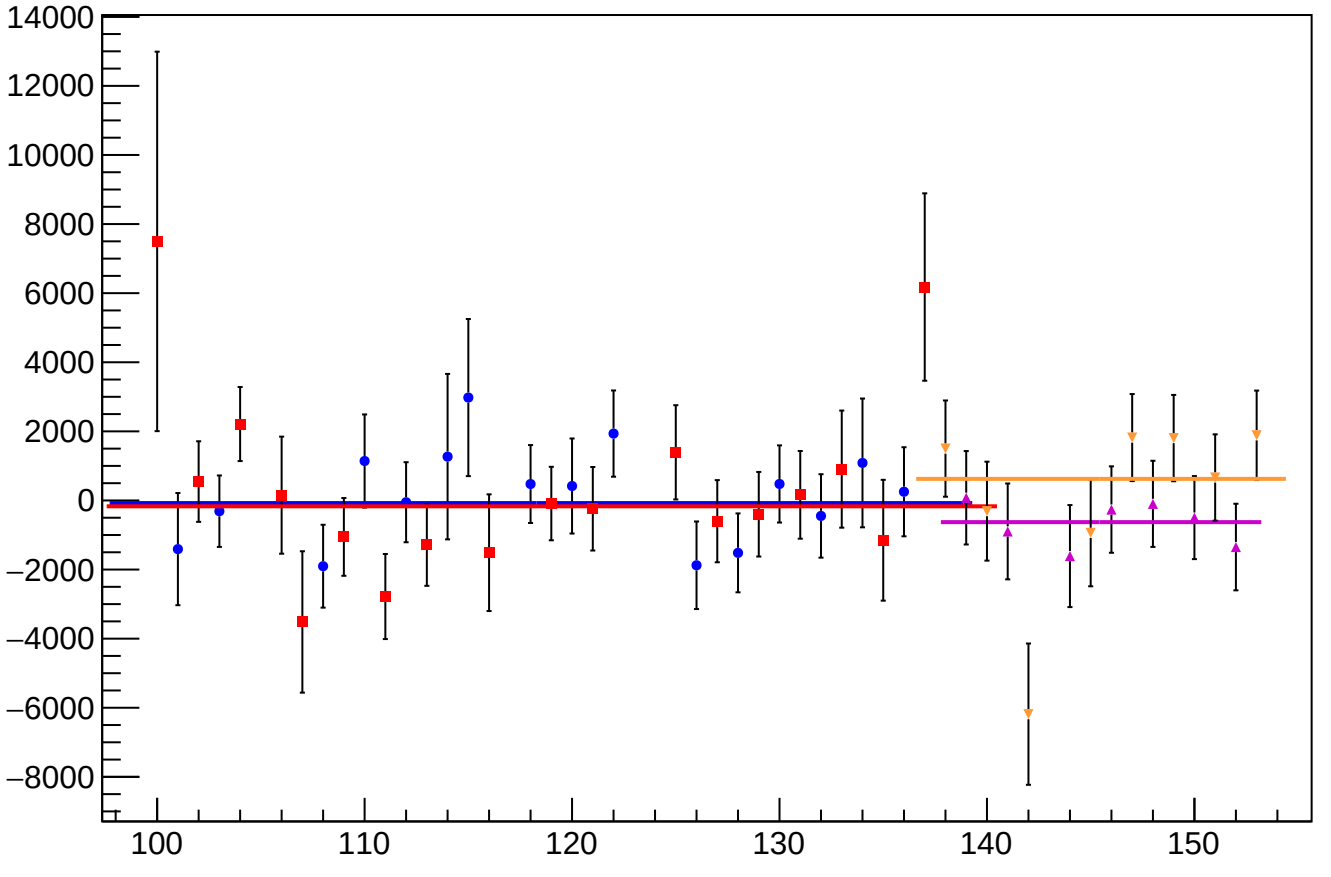
Left: 0.000+/-0.000 χ^2/NDF: 5285254.0/14

Right: 0.000+/-0.000 χ^2/NDF: 2055907.6/33

In: 0.000+/-0.000 χ^2/NDF:1929188.2/22

Out: 0.000+/-0.000 χ^2/NDF:6842829.0/25

All: 0.000+/-0.000 χ^2/NDF: 10584254.2/48



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: 624.872+/-489.735 χ^2/NDF:15.7/7

Right Out: -169.345+/-321.827 χ^2/NDF: 24.4/17

Left In: -627.343+/-491.610 χ^2/NDF:1.4/6

Left: 1.156+/-346.956 χ^2/NDF: 20.3/14

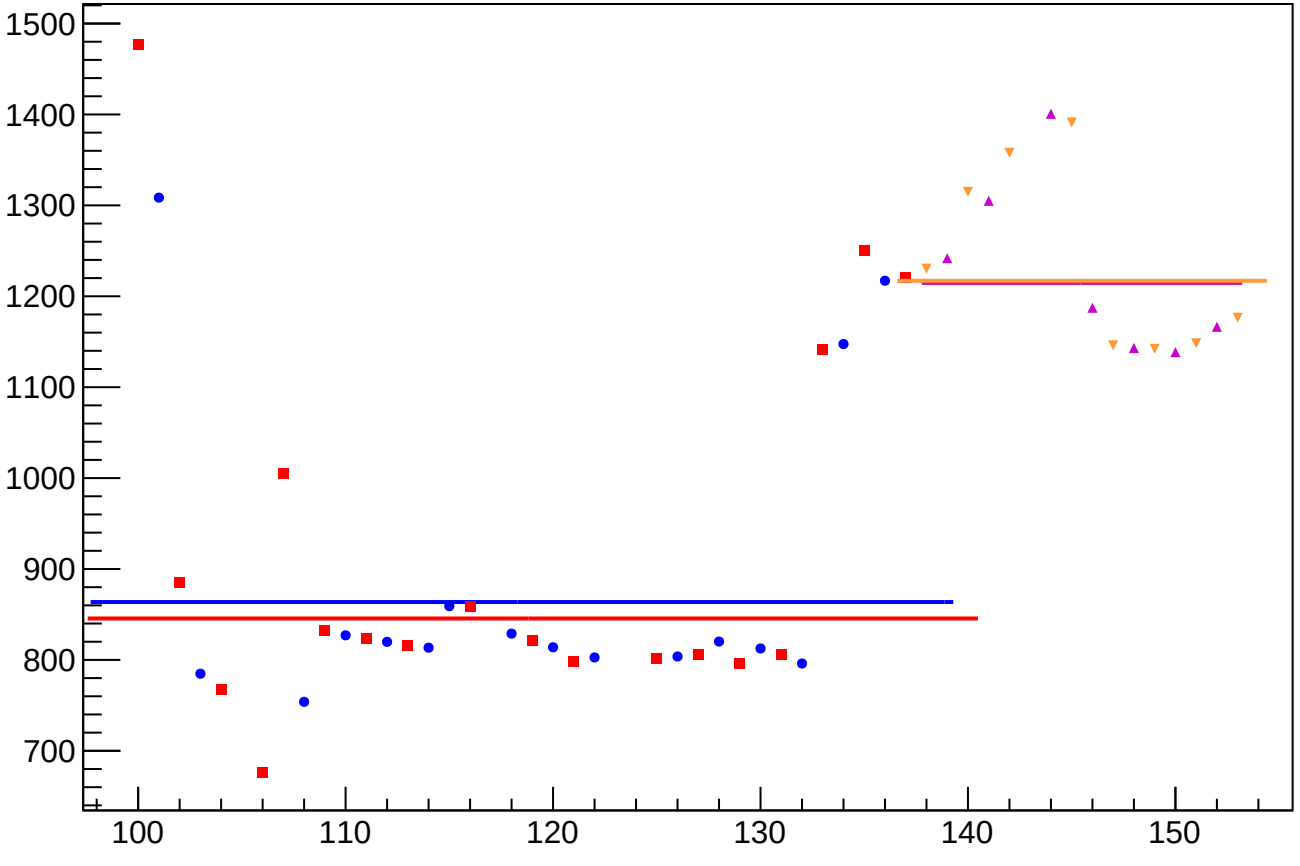
Right: -123.279+/-229.106 χ^2/NDF: 37.8/33

In: -244.520+/-271.822 χ^2/NDF:15.6/22

Out: 70.189+/-268.952 χ^2/NDF:41.9/25

All: -85.495+/-191.185 χ^2/NDF: 58.2/48

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1217.029+/-0.346 χ^2/NDF:65967.3/7

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

Left In: 1214.755+/-0.348 χ^2/NDF:59575.6/6

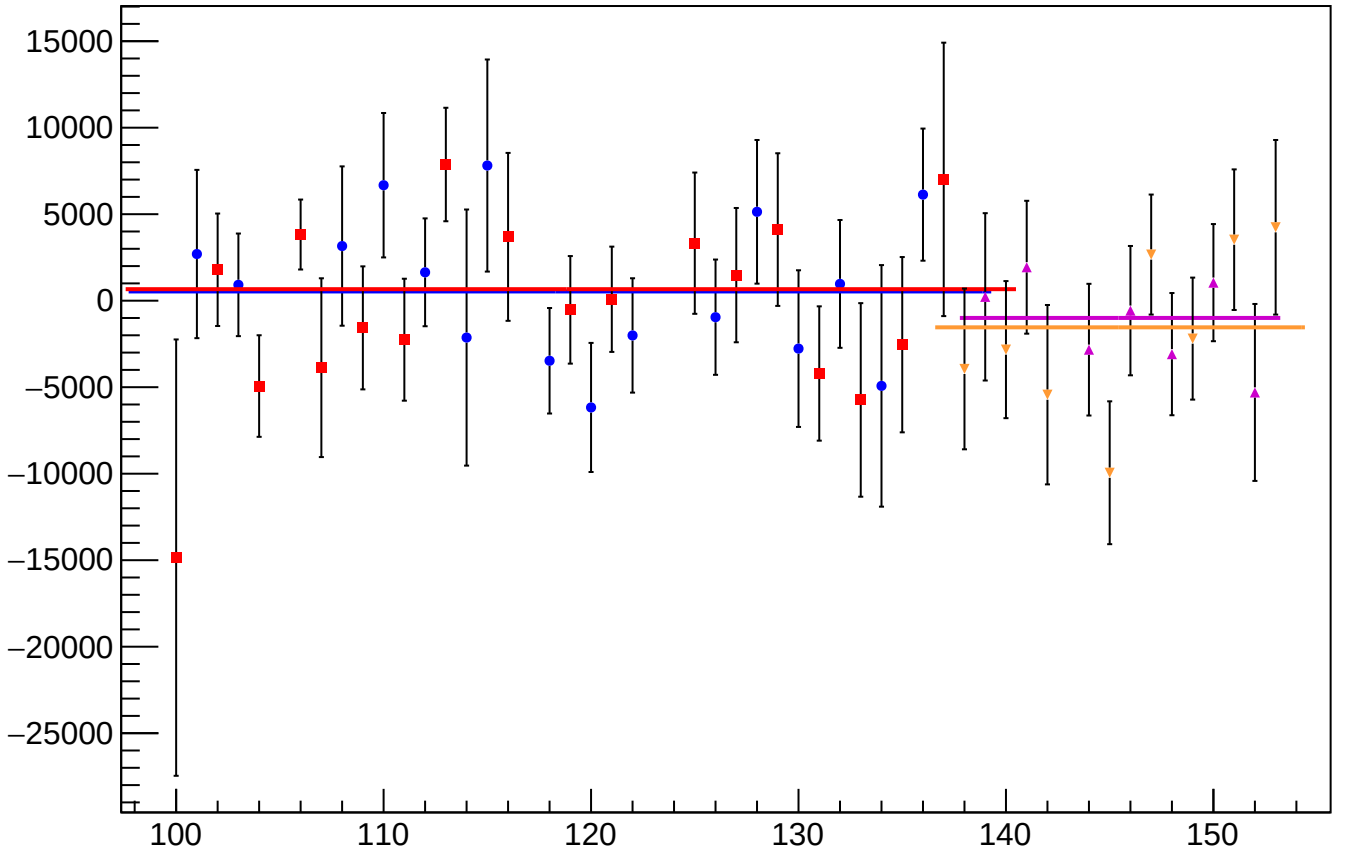
Left: 1215.897+/-0.245 χ^2/NDF: 125564.4/14

Right: 854.385+/-0.161 χ^2/NDF: 718425.8/33

In: 970.999+/-0.192 χ^2/NDF:1175293.0/22

Out: 955.671+/-0.189 χ^2/NDF:1183294.6/25

All: 963.187+/-0.135 χ^2/NDF: 2361828.8/48



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: -1540.483+/-1459.758 χ^2/NDF:9.5/7

Right Out: 665.878+/-864.970 χ^2/NDF: 20.0/17

Left In: -996.642+/-1479.628 χ^2/NDF:2.3/6

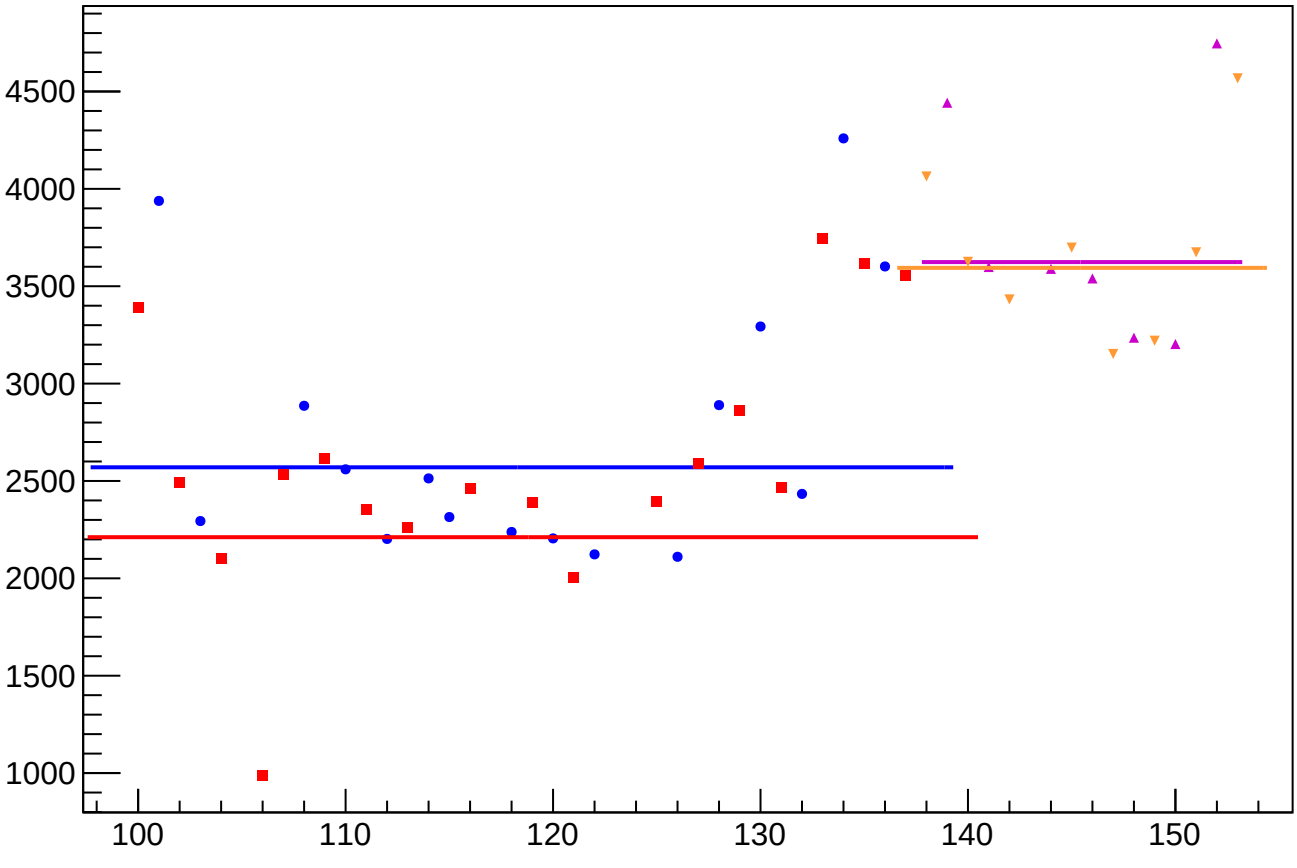
Left: -1272.239+/-1039.158 χ^2/NDF: 11.8/14

Right: 608.437+/-648.874 χ^2/NDF: 34.6/33

In: 66.778+/-817.789 χ^2/NDF:17.7/22

Out: 92.518+/-744.142 χ^2/NDF:31.1/25

All: 80.859+/-550.387 χ^2/NDF: 48.8/48



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 3594.339+/-1.032 χ^2/NDF:153923.6/7

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

Left In: 3623.969+/-1.046 χ^2/NDF:210025.1/6

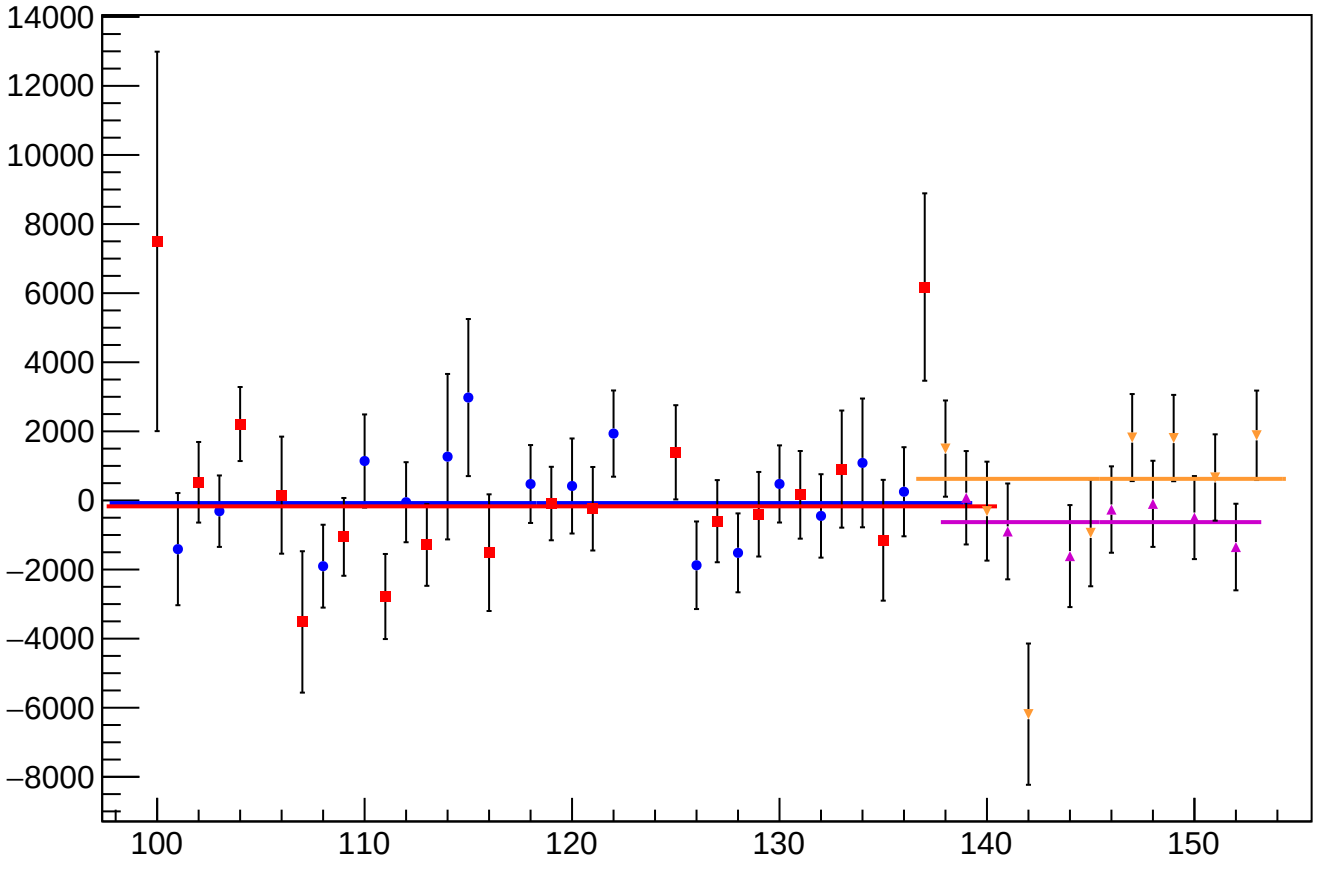
Left: 3608.954+/-0.735 χ^2/NDF: 364355.1/14

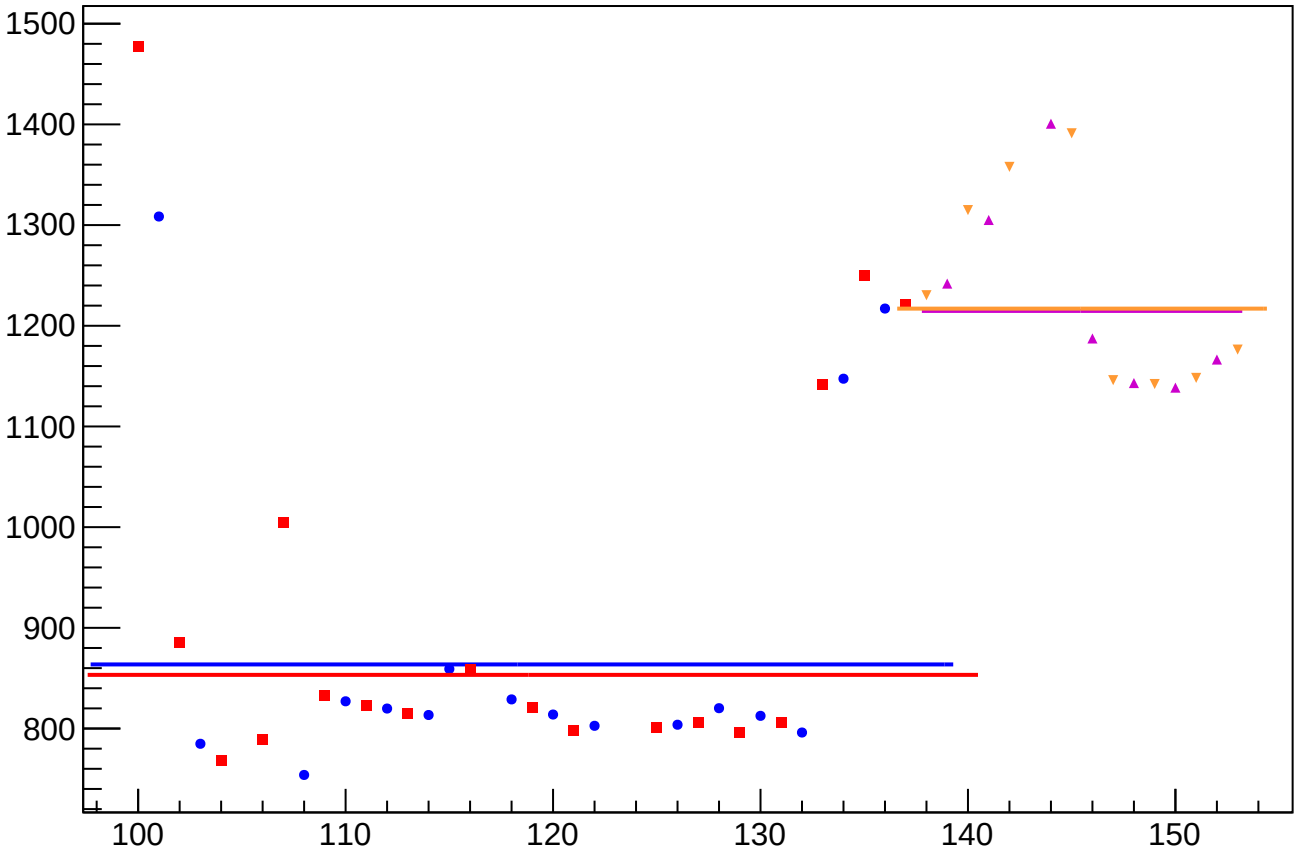
Right: 2368.182+/-0.459 χ^2/NDF: 2077093.7/33

In: 2892.056+/-0.578 χ^2/NDF:1577125.6/22

Out: 2570.683+/-0.526 χ^2/NDF:2746833.0/25

All: 2716.250+/-0.389 χ^2/NDF: 4492921.0/48


cor_asym_usl_atl2_dd_mean vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
Right In: -76.022+/-326.226 χ²/NDF: 13.3/15
Left Out: 624.828+/-489.735 χ²/NDF:15.7/7
Right Out: -170.982+/-321.832 χ²/NDF: 24.4/17
Left In: -627.400+/-491.610 χ²/NDF:1.4/6
Left: 1.106+/-346.956 χ²/NDF: 20.3/14
Right: -124.146+/-229.107 χ²/NDF: 37.7/33
In: -244.591+/-271.822 χ²/NDF:15.6/22
Out: 69.038+/-268.955 χ²/NDF:41.9/25
All: -86.114+/-191.186 χ²/NDF: 58.1/48



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1217.029+/-0.346 χ^2/NDF:65967.3/7

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1214.755+/-0.348 χ^2/NDF:59575.6/6

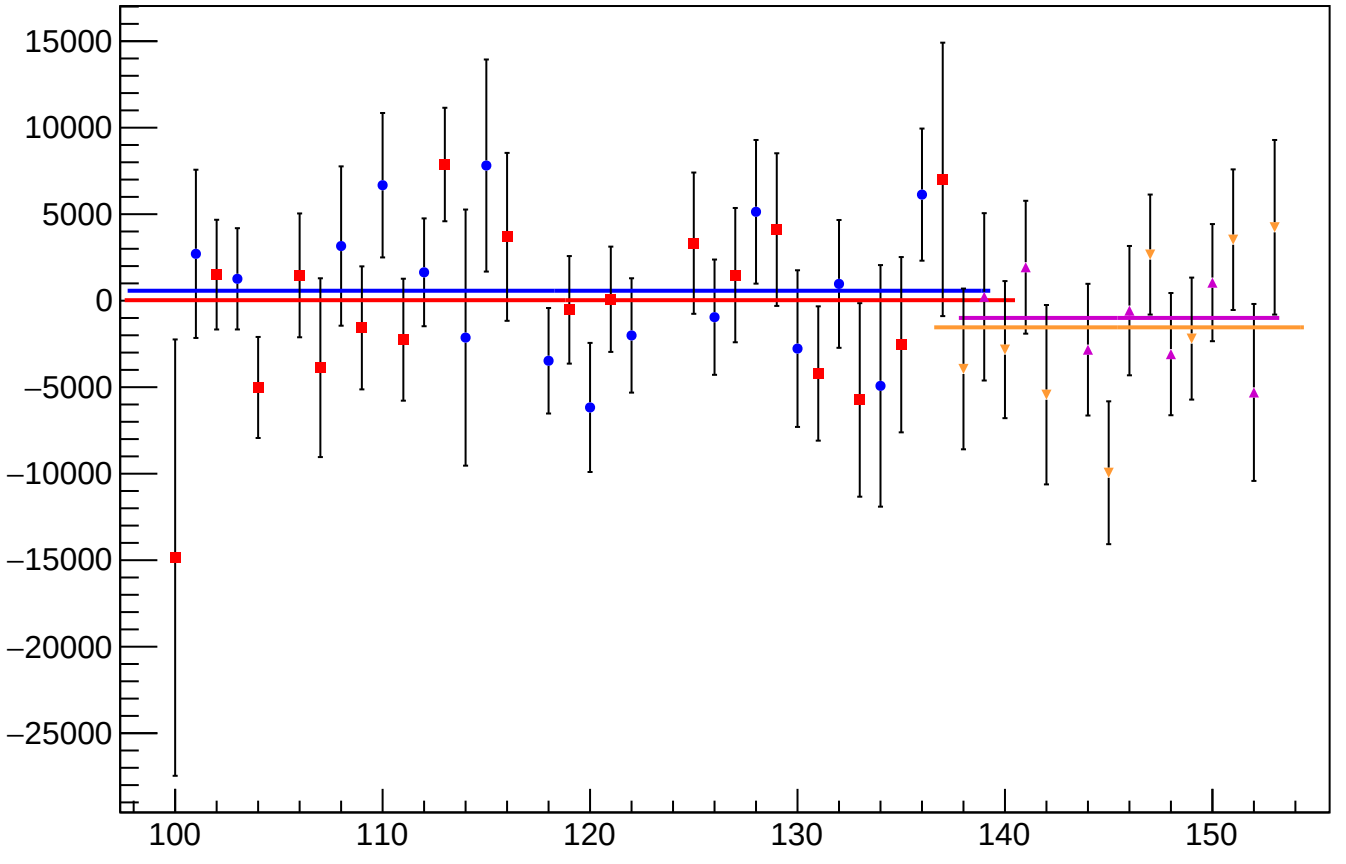
Left: 1215.897+/-0.245 χ^2/NDF: 125564.4/14

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 970.999+/-0.192 χ^2/NDF:1175293.0/22

Out: 962.203+/-0.189 χ^2/NDF:1114259.5/25

All: 966.539+/-0.135 χ^2/NDF: 2290614.5/48



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -1540.541+/-1459.757 χ^2/NDF:9.5/7

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: -996.670+/-1479.626 χ^2/NDF:2.3/6

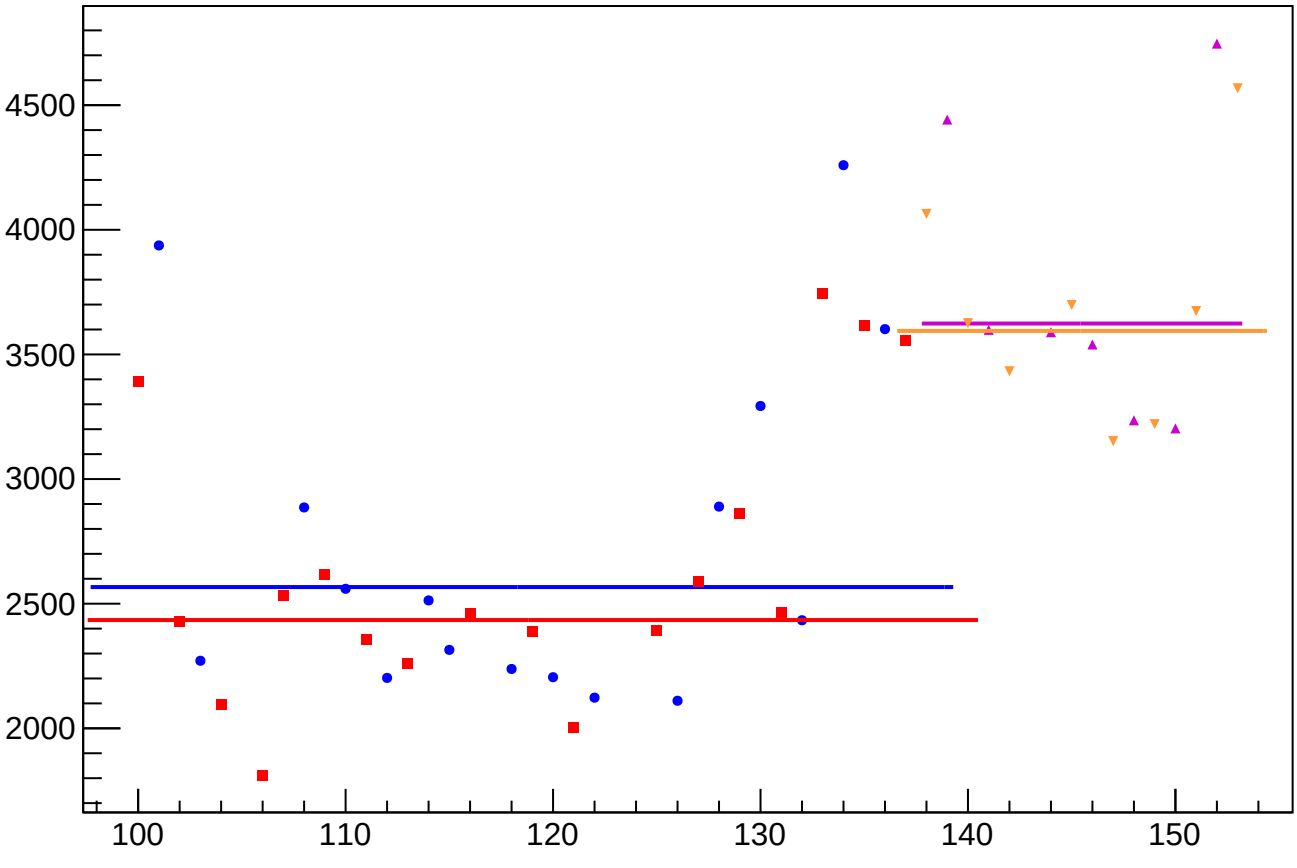
Left: -1272.282+/-1039.158 χ^2/NDF: 11.8/14

Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: 95.841+/-816.958 χ^2/NDF:17.8/22

Out: -418.949+/-779.599 χ^2/NDF:27.5/25

All: -173.593+/-564.004 χ^2/NDF: 45.5/48



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3594.338+/-1.032 χ^2/NDF:153922.6/7

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3623.964+/-1.046 χ^2/NDF:210024.9/6

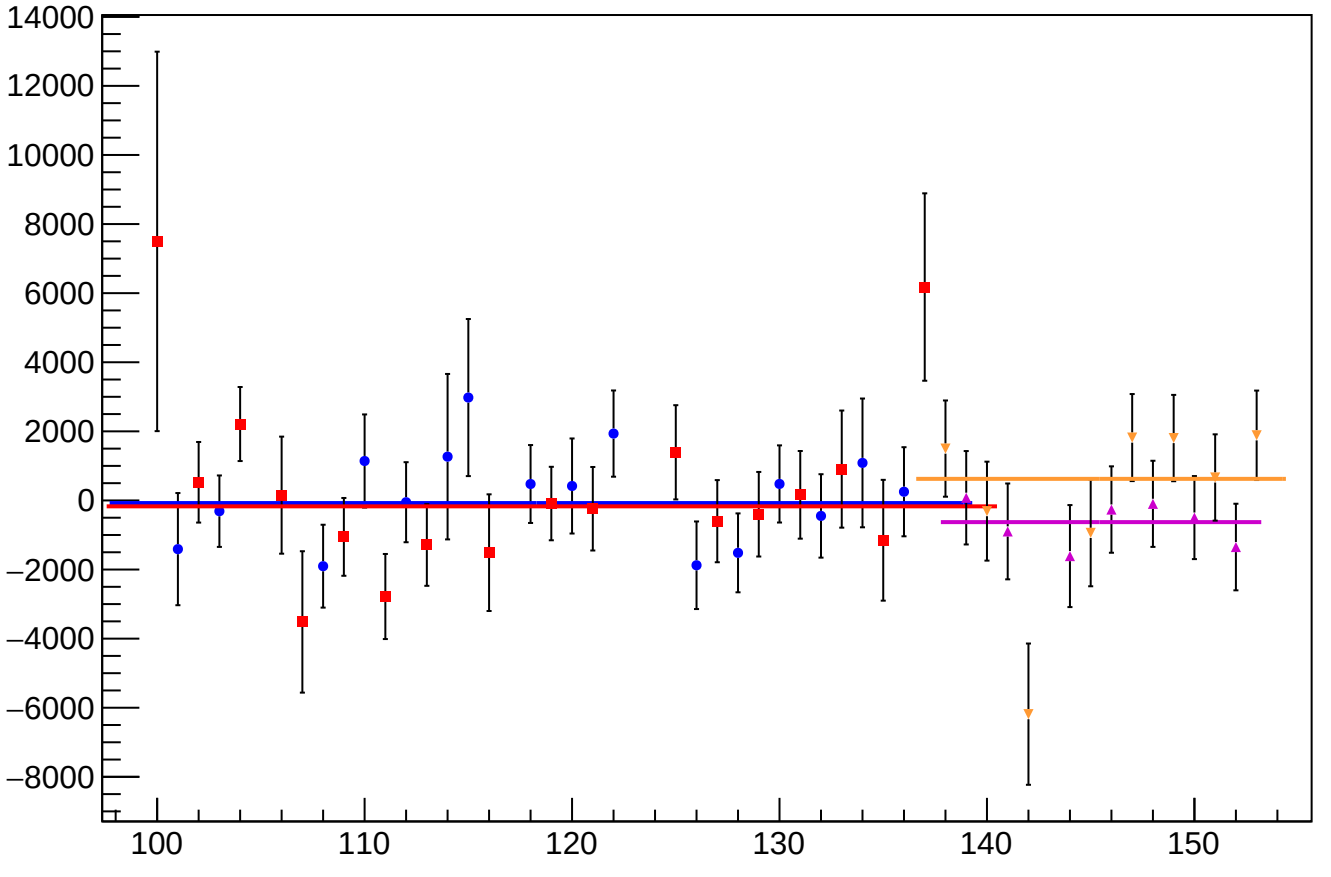
Left: 3608.951+/-0.735 χ^2/NDF: 364353.8/14

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 2889.036+/-0.578 χ^2/NDF:1585704.7/22

Out: 2765.260+/-0.551 χ^2/NDF:1490586.1/25

All: 2824.253+/-0.399 χ^2/NDF: 3100319.3/48



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 624.828+/-489.735 χ^2/NDF:15.7/7

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -627.400+/-491.610 χ^2/NDF:1.4/6

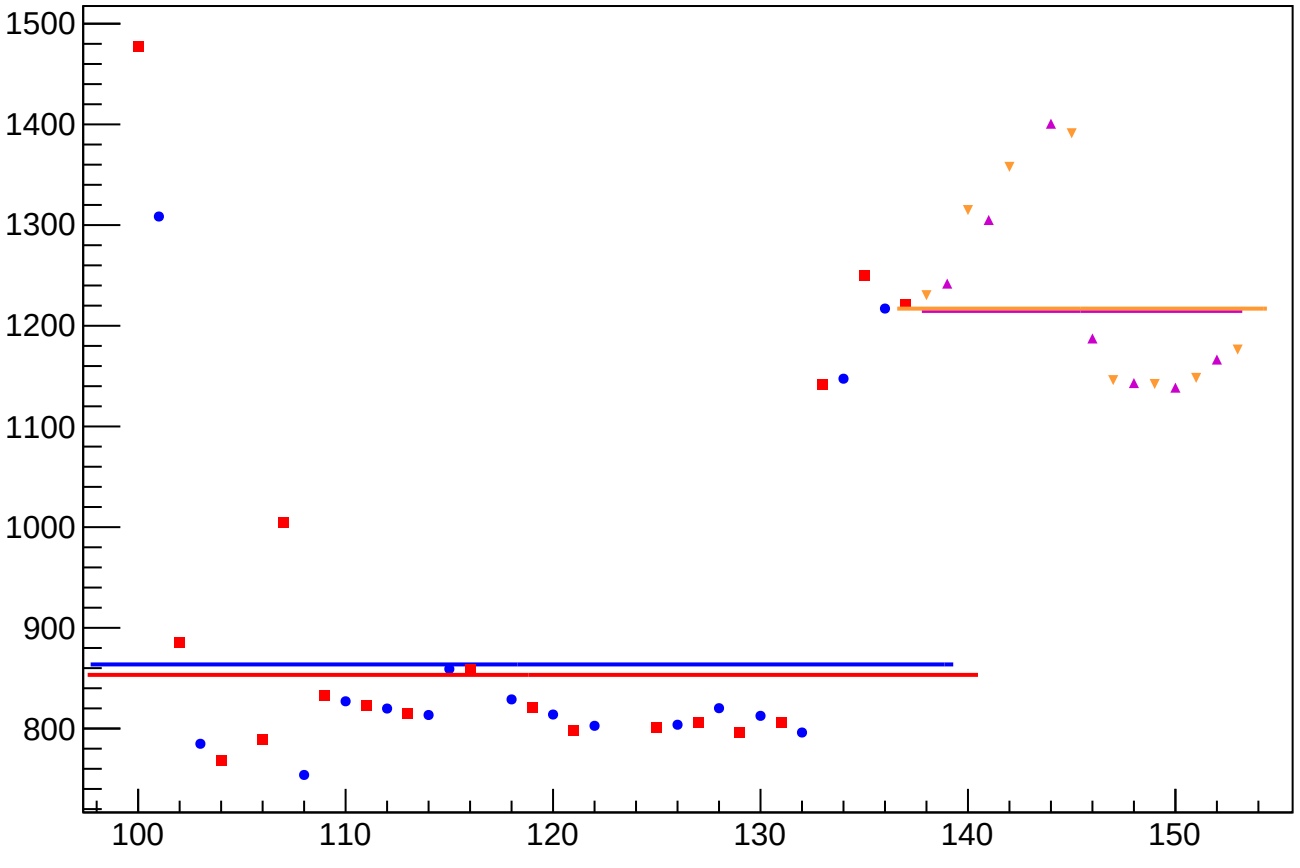
Left: 1.106+/-346.956 χ^2/NDF: 20.3/14

Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -244.591+/-271.822 χ^2/NDF:15.6/22

Out: 69.038+/-268.955 χ^2/NDF:41.9/25

All: -86.114+/-191.186 χ^2/NDF: 58.1/48



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1217.029+/-0.346 χ^2/NDF:65967.3/7

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1214.755+/-0.348 χ^2/NDF:59575.6/6

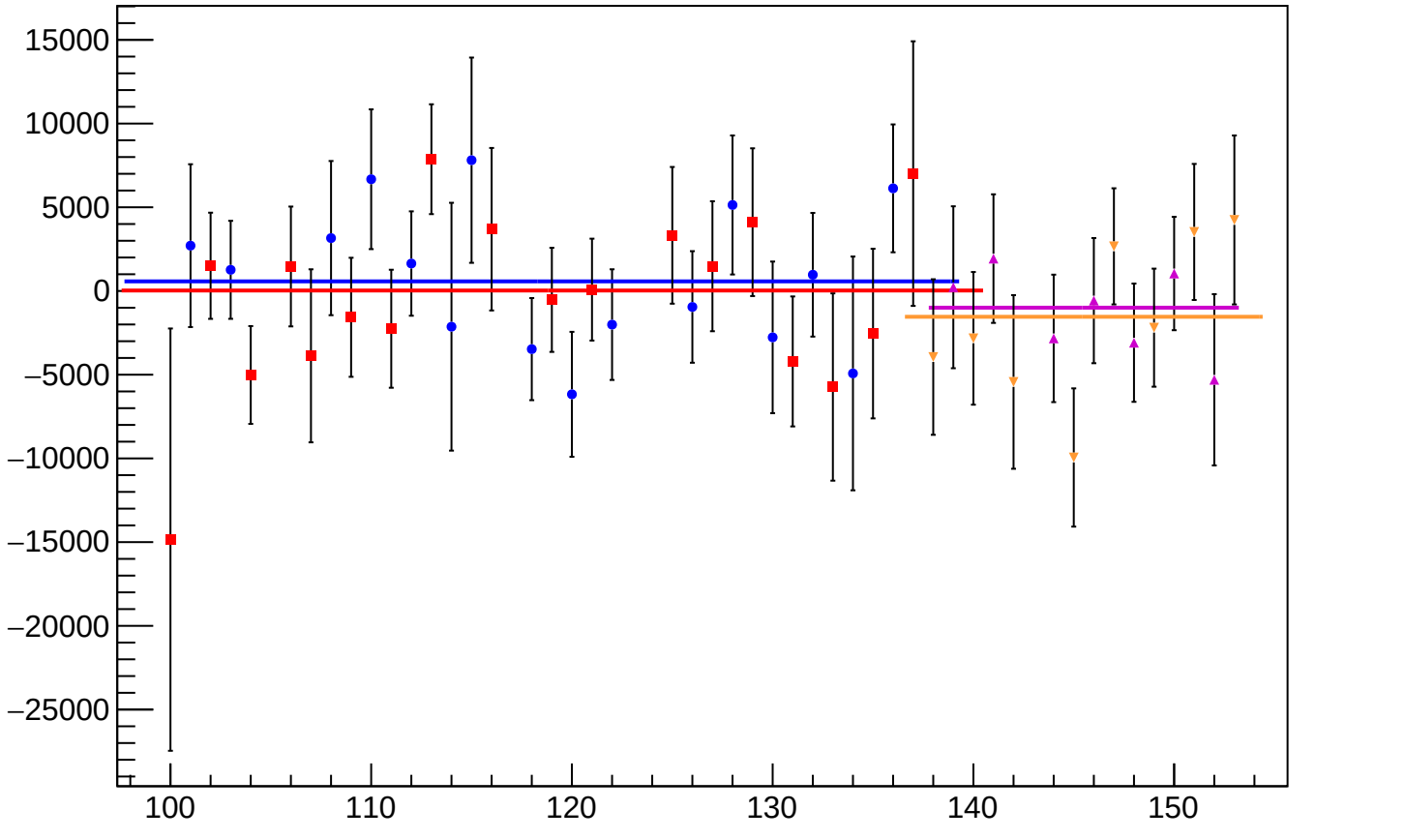
Left: 1215.897+/-0.245 χ^2/NDF: 125564.4/14

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 970.999+/-0.192 χ^2/NDF:1175293.0/22

Out: 962.203+/-0.189 χ^2/NDF:1114259.5/25

All: 966.539+/-0.135 χ^2/NDF: 2290614.5/48



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -1540.541+/-1459.757 χ^2/NDF:9.5/7

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: -996.670+/-1479.626 χ^2/NDF:2.3/6

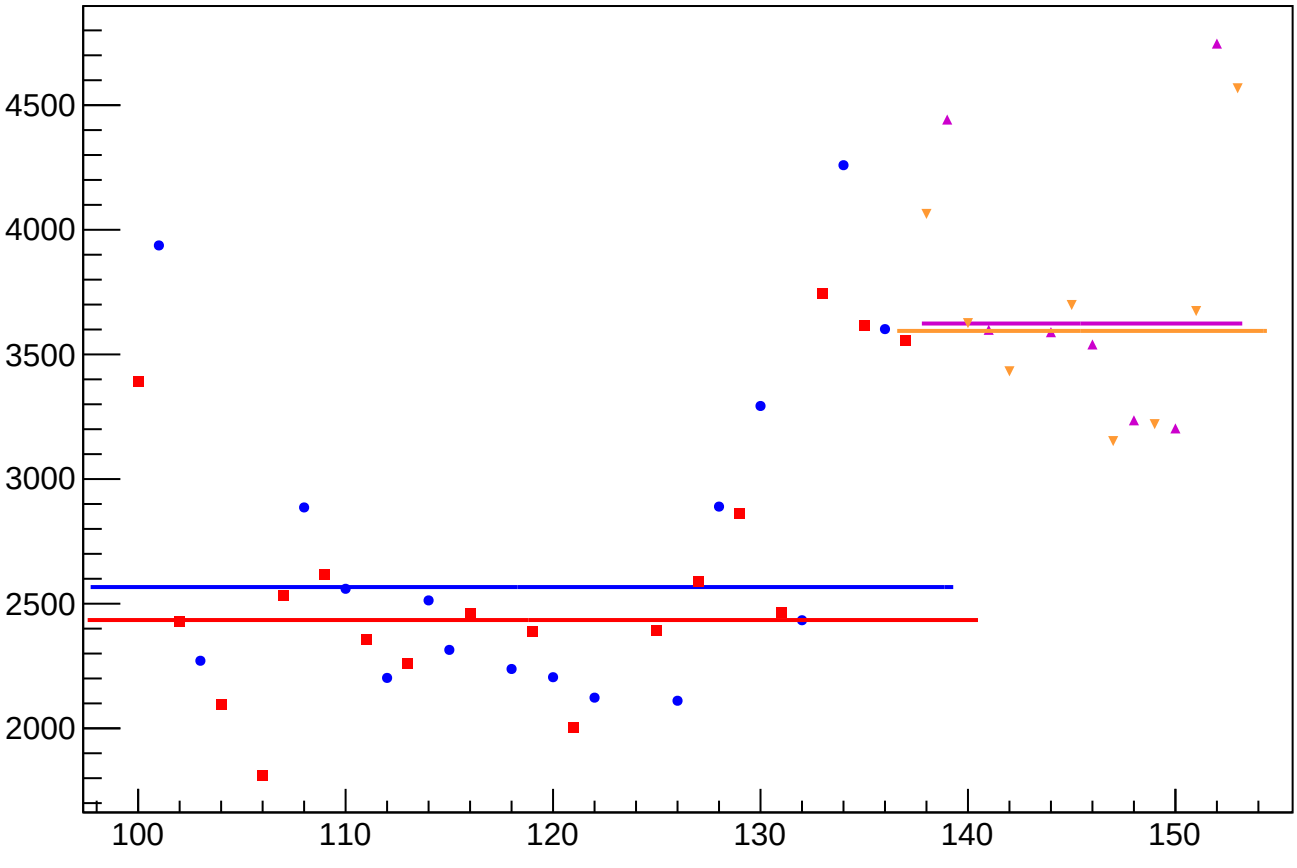
Left: -1272.282+/-1039.158 χ^2/NDF: 11.8/14

Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: 95.841+/-816.958 χ^2/NDF:17.8/22

Out: -418.949+/-779.599 χ^2/NDF:27.5/25

All: -173.593+/-564.004 χ^2/NDF: 45.5/48



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3594.338+/-1.032 χ^2/NDF:153922.6/7

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3623.964+/-1.046 χ^2/NDF:210024.9/6

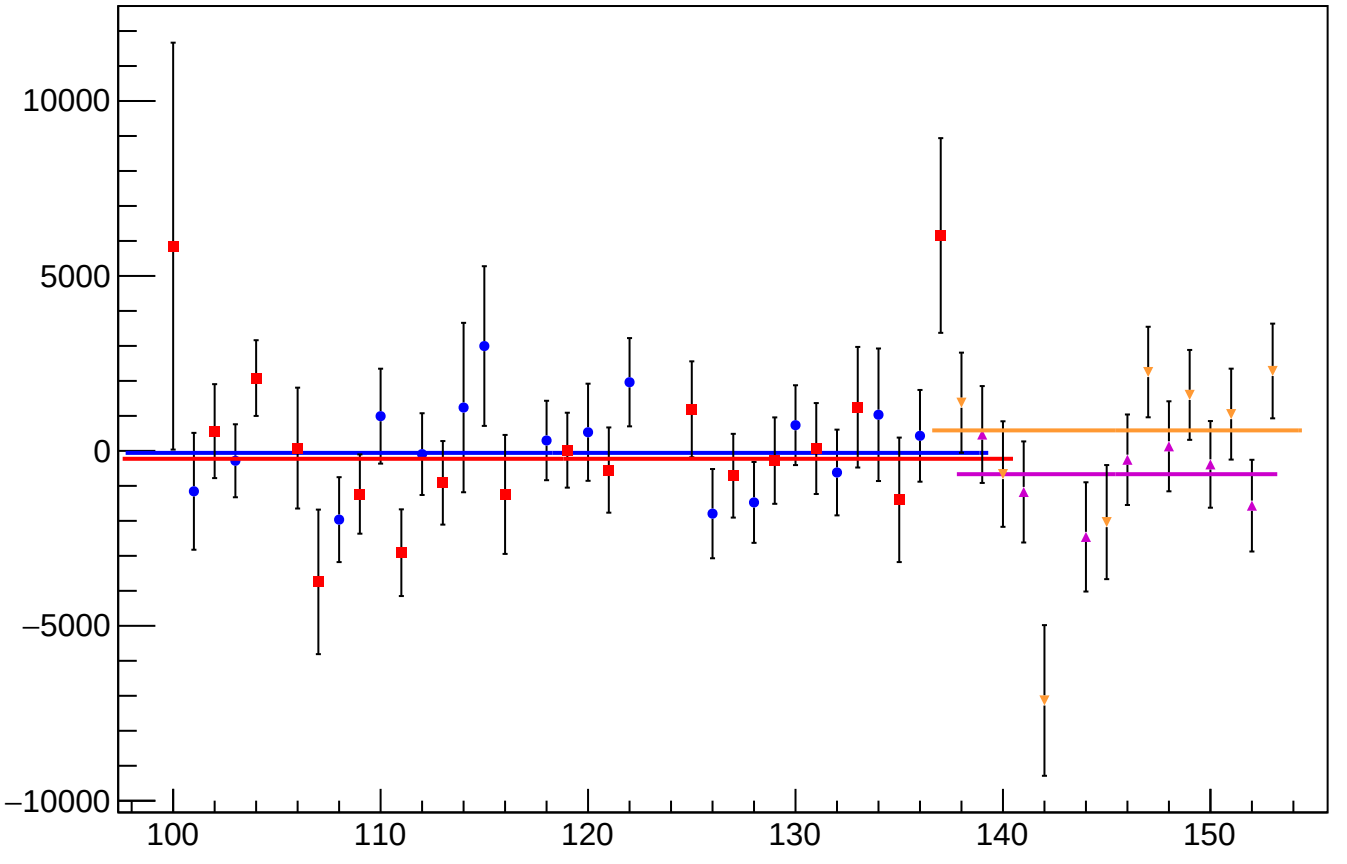
Left: 3608.951+/-0.735 χ^2/NDF: 364353.8/14

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 2889.036+/-0.578 χ^2/NDF:1585704.7/22

Out: 2765.260+/-0.551 χ^2/NDF:1490586.1/25

All: 2824.253+/-0.399 χ^2/NDF: 3100319.3/48



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: 585.535+/-508.919 χ^2/NDF:20.4/7

Right Out: -226.075+/-328.069 χ^2/NDF: 22.9/17

Left In: -666.022+/-509.856 χ^2/NDF:3.1/6

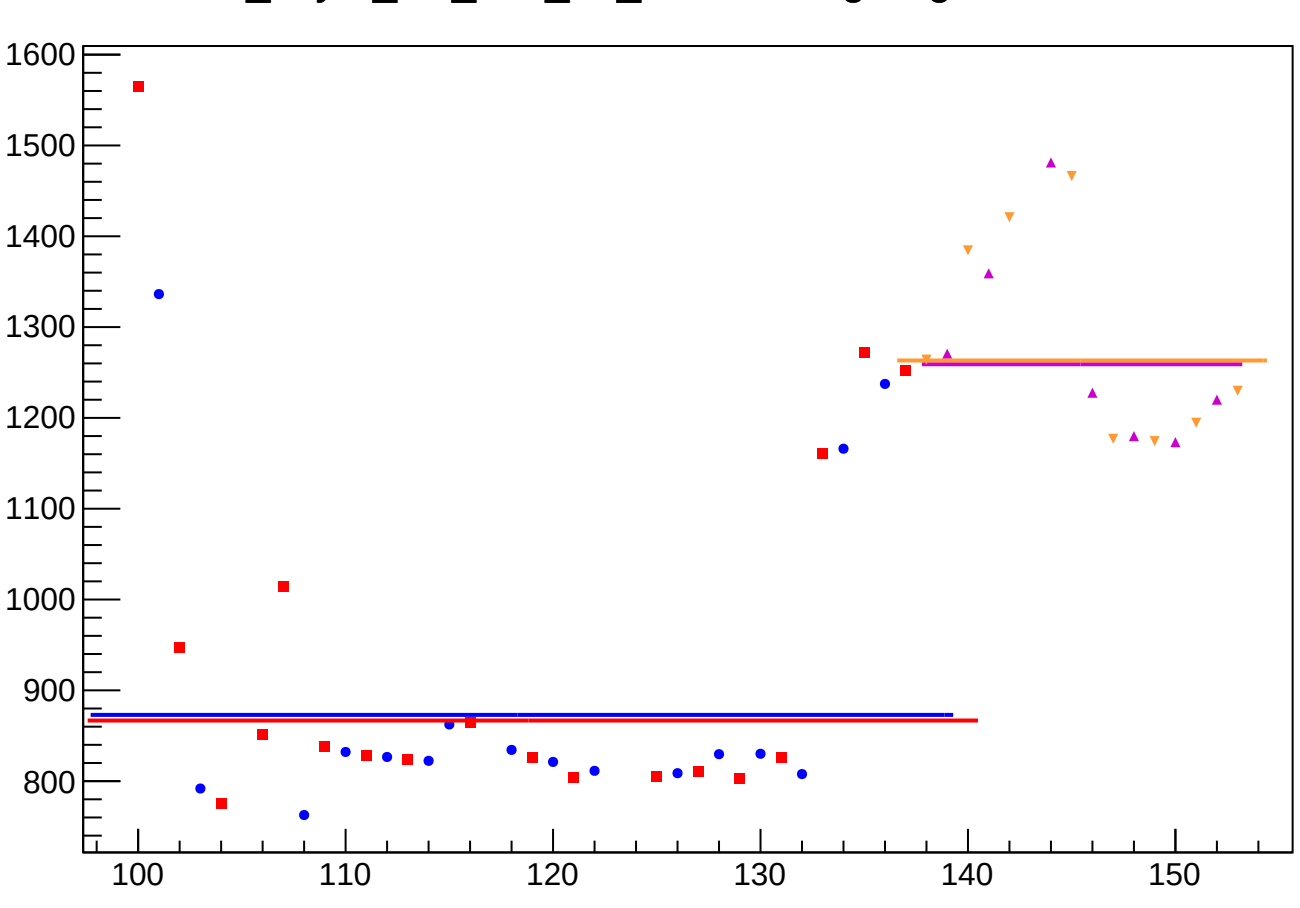
Left: -39.093+/-360.191 χ^2/NDF: 26.5/14

Right: -142.159+/-232.690 χ^2/NDF: 36.0/33

In: -237.022+/-277.087 χ^2/NDF:17.1/22

Out: 12.185+/-275.741 χ^2/NDF:45.1/25

All: -111.811+/-195.452 χ^2/NDF: 62.6/48



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1263.232+/-0.360 χ^2/NDF:79919.5/7

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

Left In: 1259.078+/-0.361 χ^2/NDF:70359.6/6

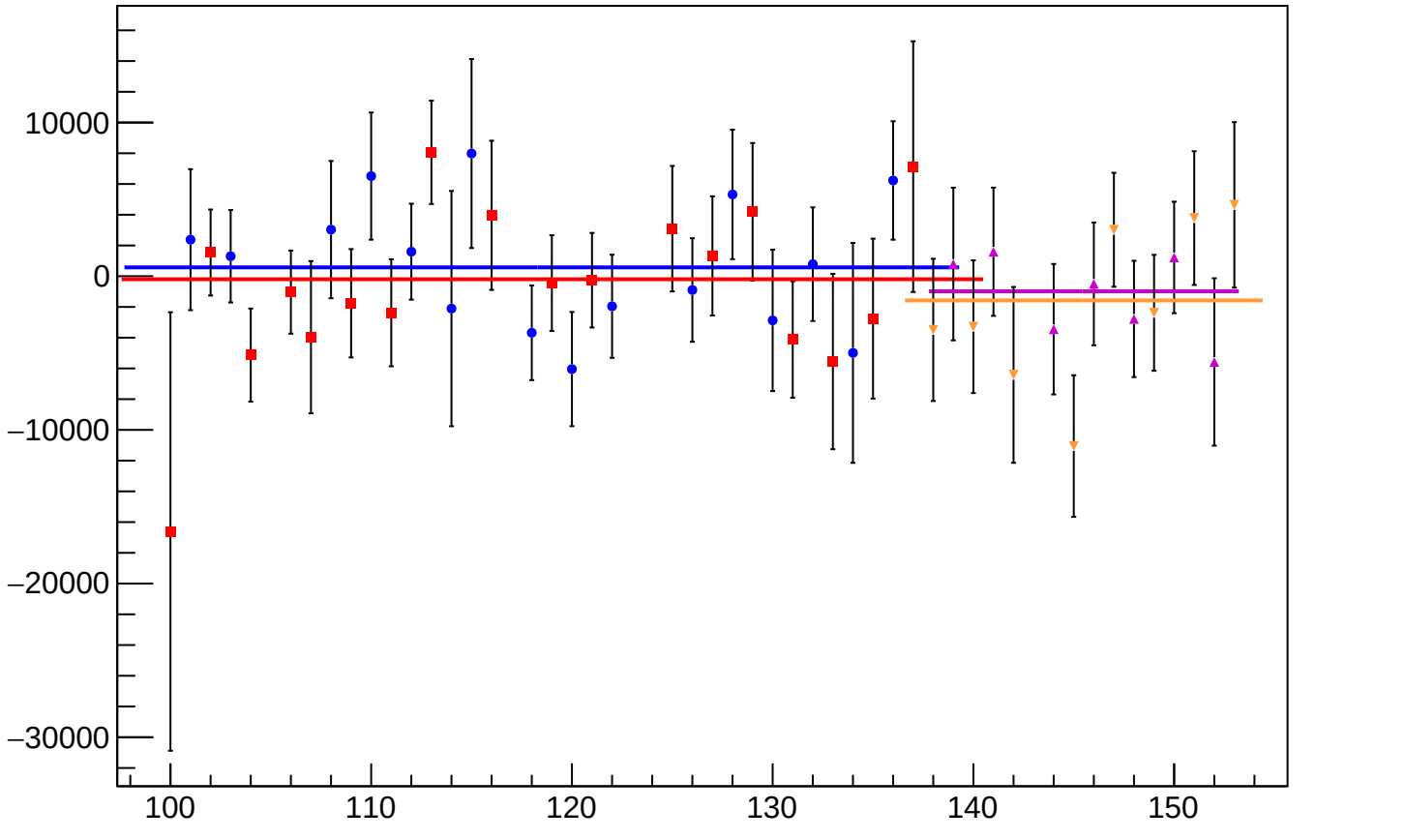
Left: 1261.158+/-0.255 χ^2/NDF: 150345.5/14

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 987.008+/-0.196 χ^2/NDF:1295665.9/22

Out: 982.996+/-0.195 χ^2/NDF:1228241.7/25

All: 984.991+/-0.138 χ^2/NDF: 2524118.5/48



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: -1576.341+/-1564.803 χ^2/NDF:9.7/7

Right Out: -197.953+/-894.121 χ^2/NDF: 17.2/17

Left In: -982.793+/-1589.755 χ^2/NDF:2.2/6

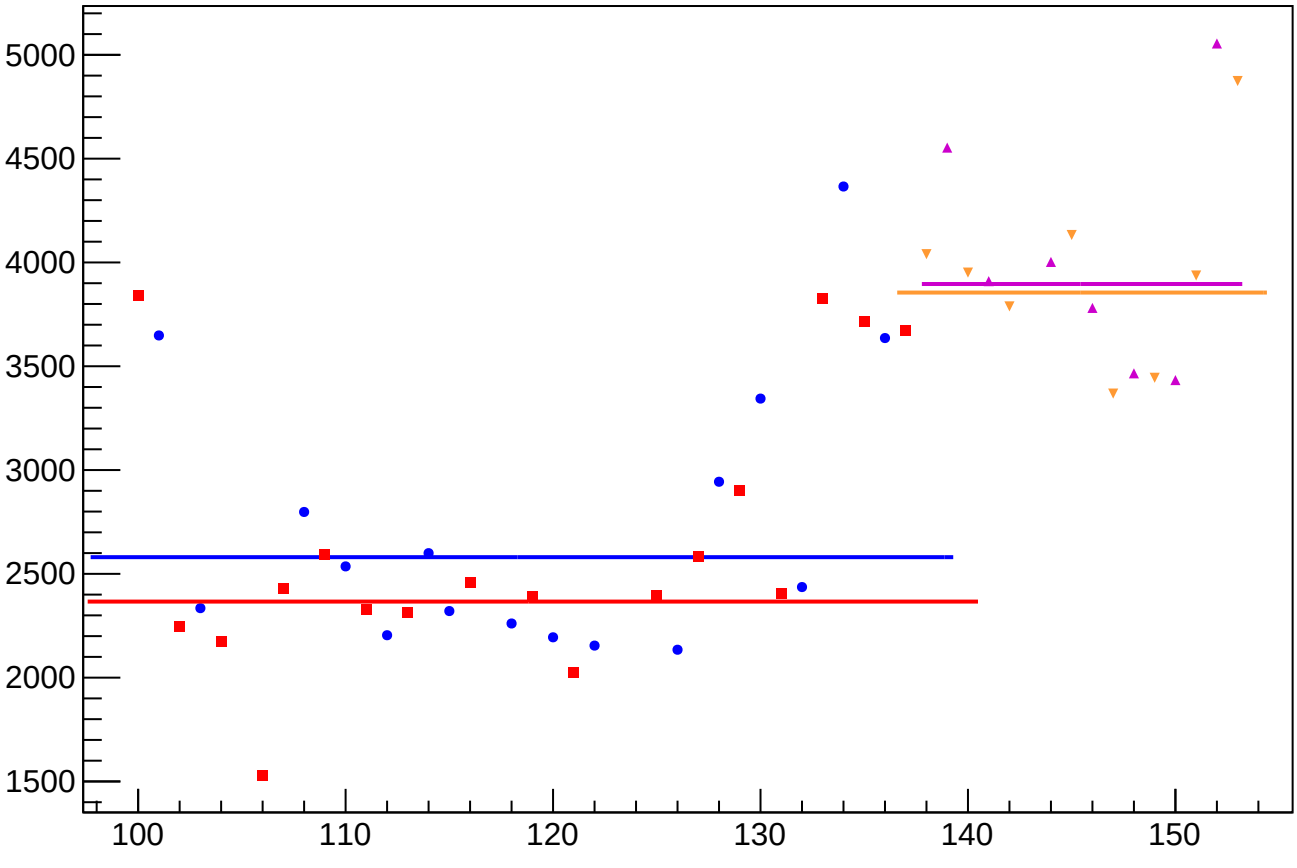
Left: -1284.261+/-1115.200 χ^2/NDF: 11.9/14

Right: 151.395+/-662.008 χ^2/NDF: 32.2/33

In: 143.133+/-837.238 χ^2/NDF:17.6/22

Out: -537.219+/-776.326 χ^2/NDF:27.5/25

All: -222.690+/-569.263 χ^2/NDF: 45.4/48



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 3854.983+/-1.106 χ^2/NDF:142203.4/7

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

Left In: 3896.196+/-1.124 χ^2/NDF:186878.1/6

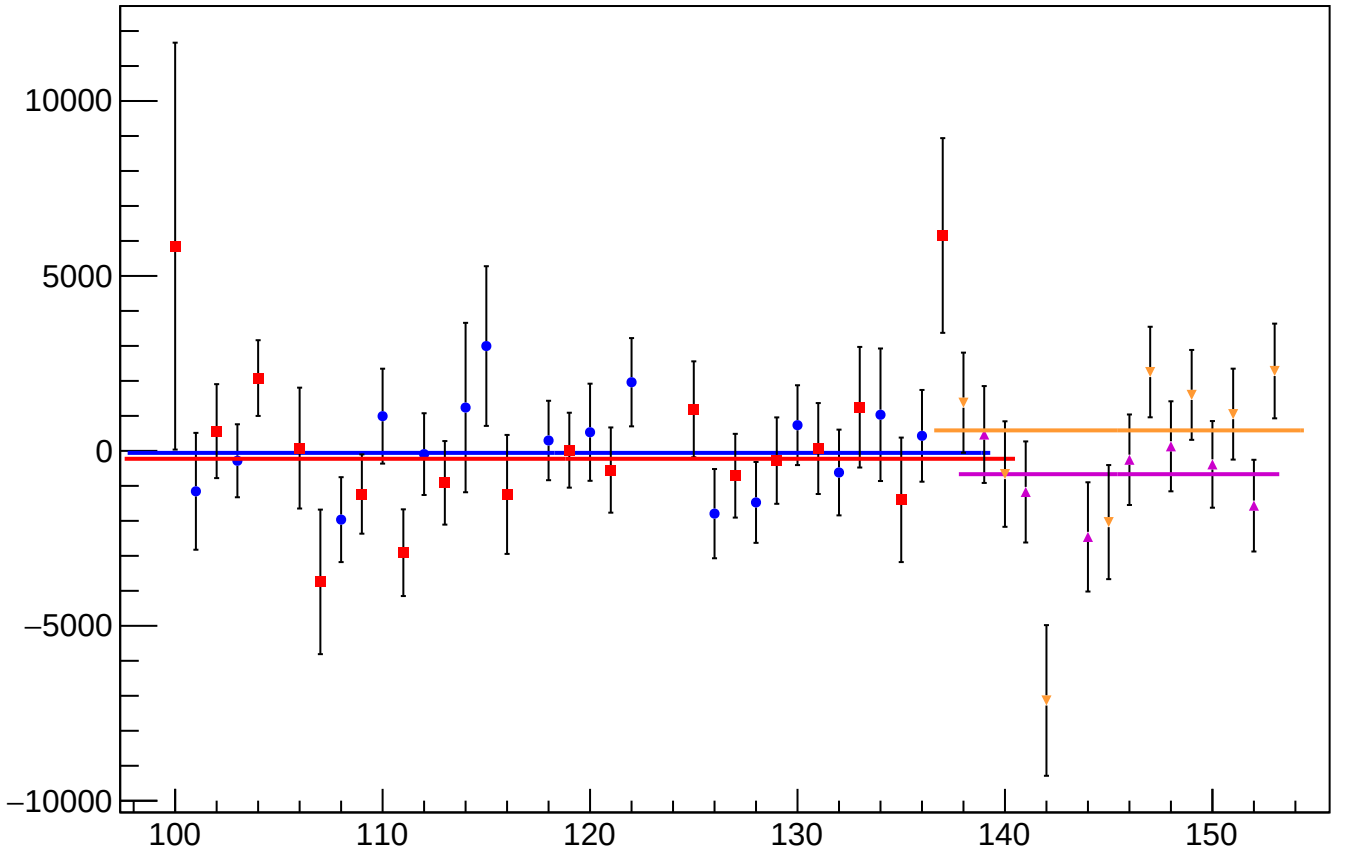
Left: 3875.264+/-0.789 χ^2/NDF: 329764.2/14

Right: 2463.083+/-0.468 χ^2/NDF: 1280596.8/33

In: 2945.327+/-0.592 χ^2/NDF:1794150.8/22

Out: 2732.798+/-0.549 χ^2/NDF:2118308.9/25

All: 2831.051+/-0.403 χ^2/NDF: 3981755.7/48



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 585.530+/-508.919 χ^2/NDF:20.4/7

Right Out: -226.078+/-328.069 χ^2/NDF: 22.9/17

Left In: -666.023+/-509.856 χ^2/NDF:3.1/6

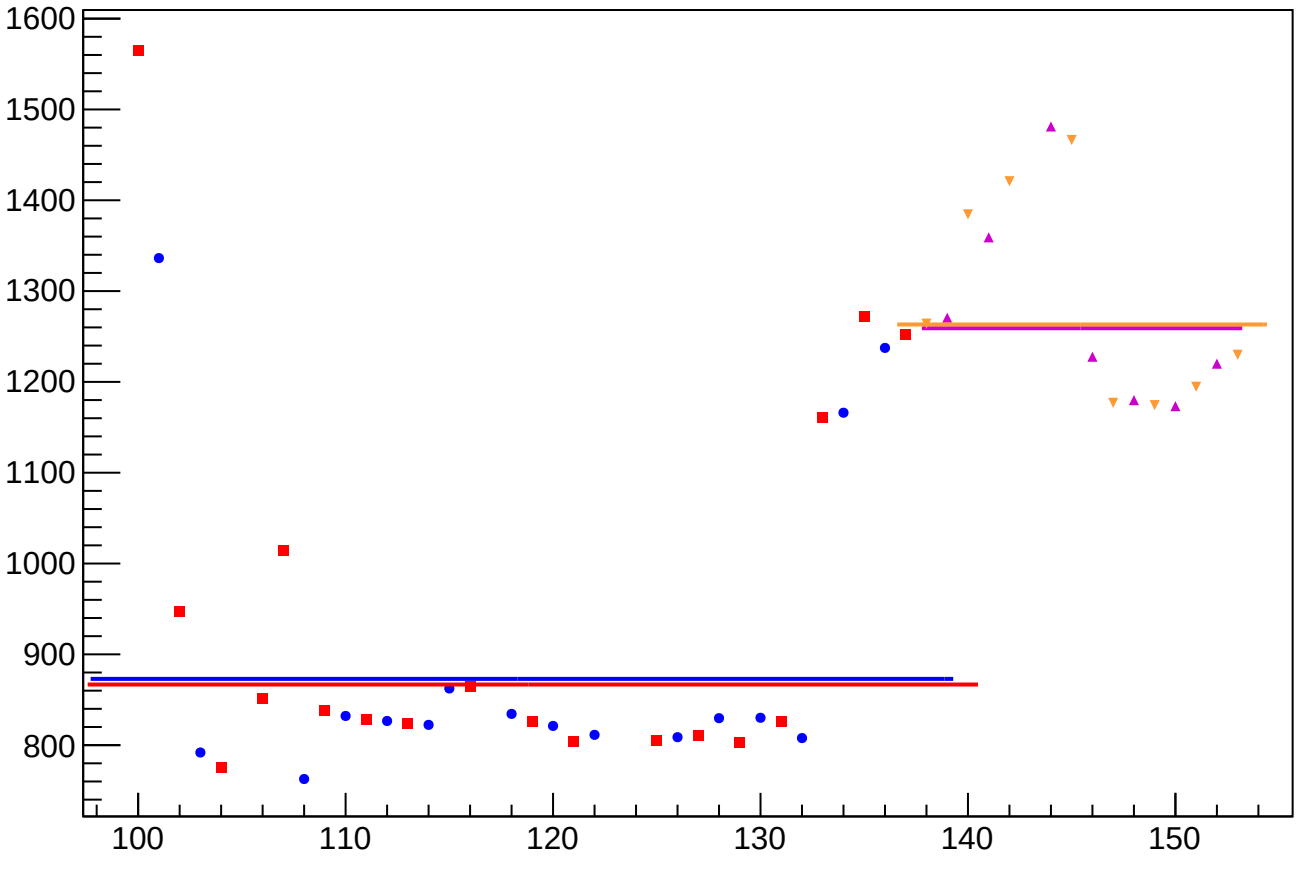
Left: -39.096+/-360.191 χ^2/NDF: 26.5/14

Right: -142.162+/-232.690 χ^2/NDF: 36.0/33

In: -237.024+/-277.087 χ^2/NDF:17.1/22

Out: 12.181+/-275.741 χ^2/NDF:45.1/25

All: -111.814+/-195.452 χ^2/NDF: 62.6/48



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1263.233+/-0.360 χ^2/NDF:79920.8/7

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1259.079+/-0.361 χ^2/NDF:70360.4/6

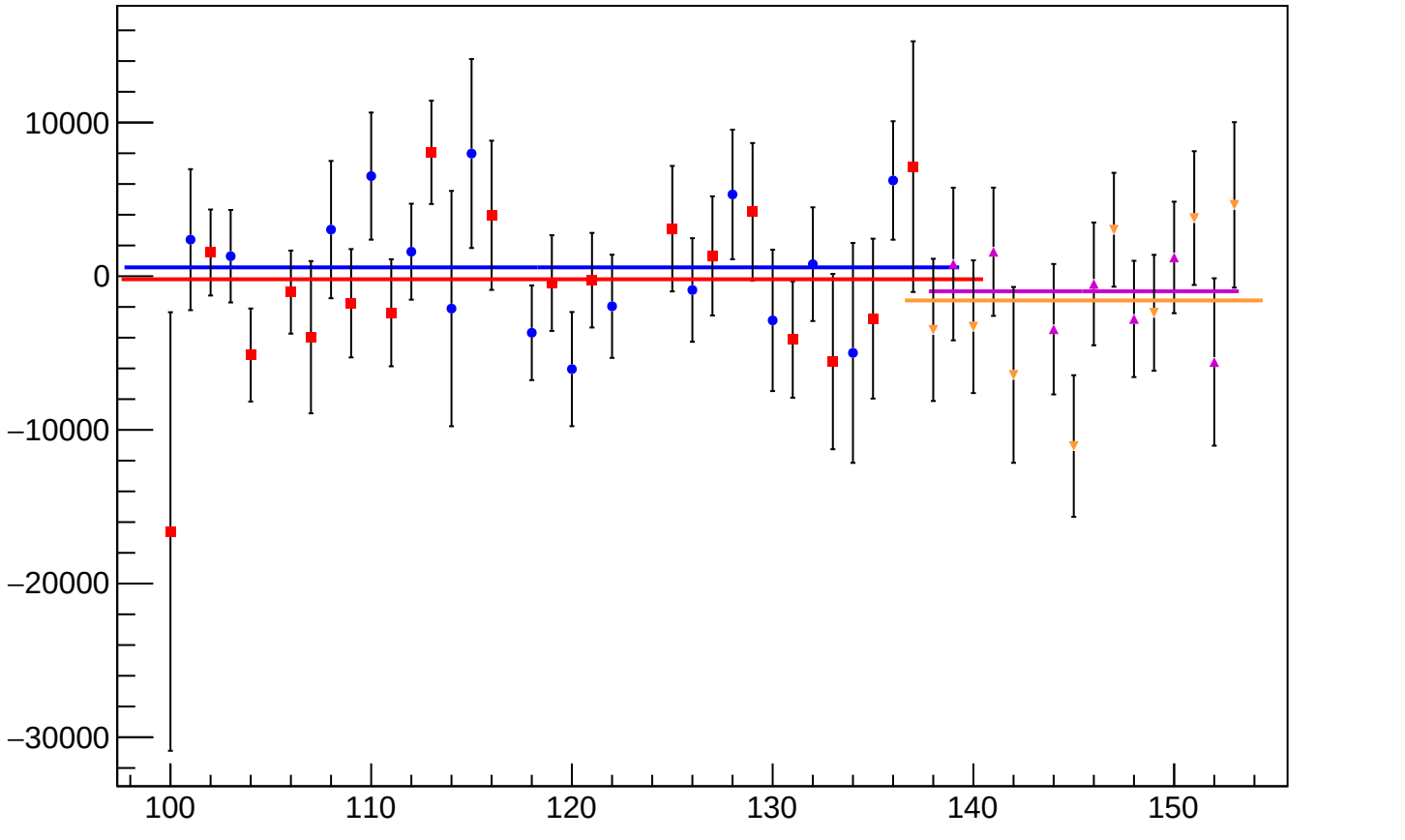
Left: 1261.159+/-0.255 χ^2/NDF: 150347.7/14

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 987.008+/-0.196 χ^2/NDF:1295669.3/22

Out: 982.996+/-0.195 χ^2/NDF:1228246.0/25

All: 984.991+/-0.138 χ^2/NDF: 2524126.1/48



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: -1576.342+/-1564.805 χ^2/NDF:9.7/7

Right Out: -197.955+/-894.119 χ^2/NDF: 17.2/17

Left In: -982.793+/-1589.757 χ^2/NDF:2.2/6

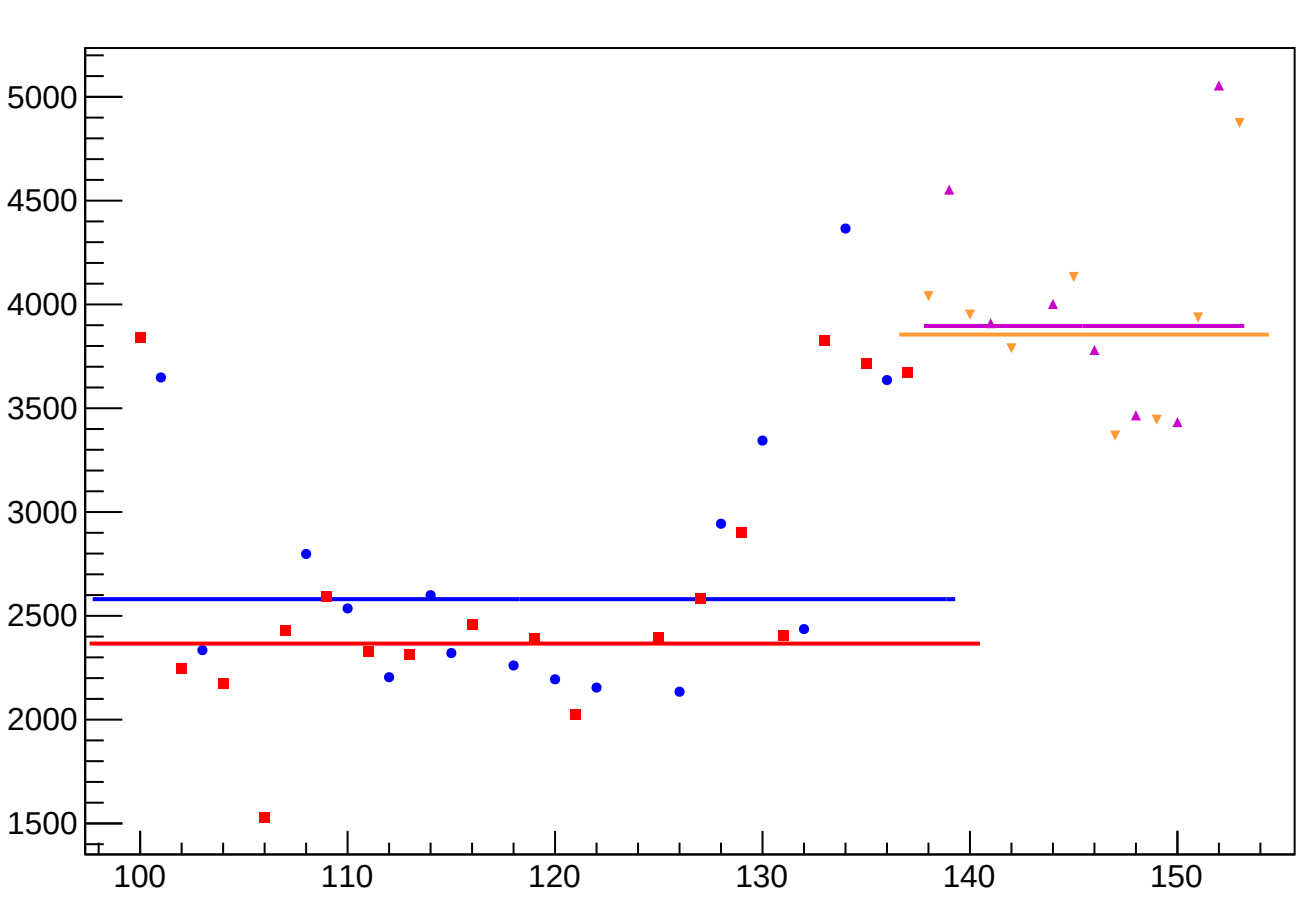
Left: -1284.262+/-1115.201 χ^2/NDF: 11.9/14

Right: 151.392+/-662.006 χ^2/NDF: 32.2/33

In: 143.132+/-837.237 χ^2/NDF:17.6/22

Out: -537.218+/-776.324 χ^2/NDF:27.5/25

All: -222.690+/-569.262 χ^2/NDF: 45.4/48



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 3854.988+/-1.106 χ^2/NDF:142205.6/7

Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

Left In: 3896.200+/-1.124 χ^2/NDF:186881.0/6

Left: 3875.268+/-0.789 χ^2/NDF: 329769.2/14

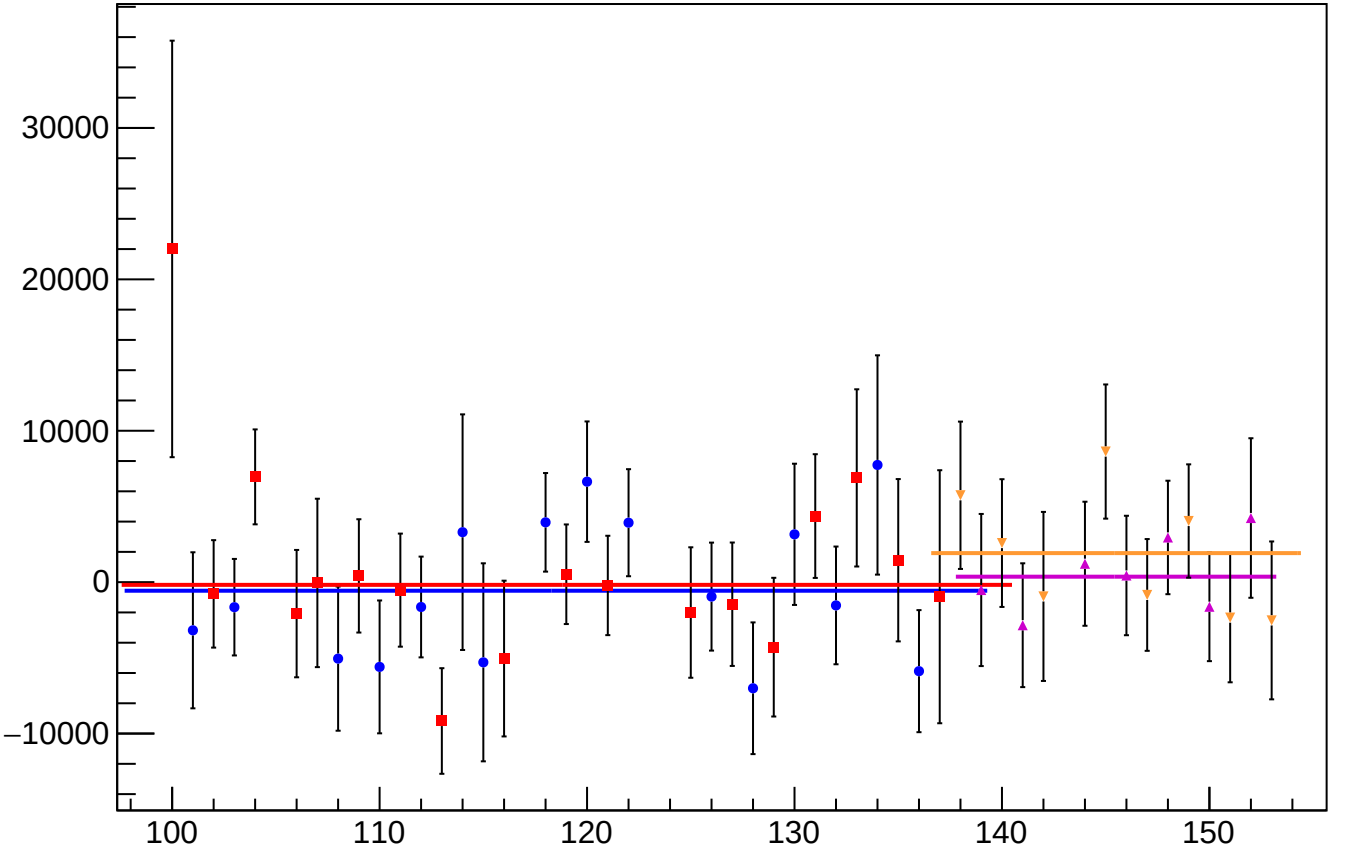
Right: 2463.075+/-0.468 χ^2/NDF: 1280607.2/33

In: 2945.320+/-0.592 χ^2/NDF:1794180.0/22

Out: 2732.791+/-0.549 χ^2/NDF:2118335.6/25

All: 2831.044+/-0.403 χ^2/NDF: 3981811.2/48

asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 1918.742+/-1547.125 χ^2/NDF:5.8/7

Right Out: -178.586+/-988.392 χ^2/NDF: 19.5/17

Left In: 361.347+/-1565.803 χ^2/NDF:2.0/6

Left: 1149.389+/-1100.527 χ^2/NDF: 8.3/14

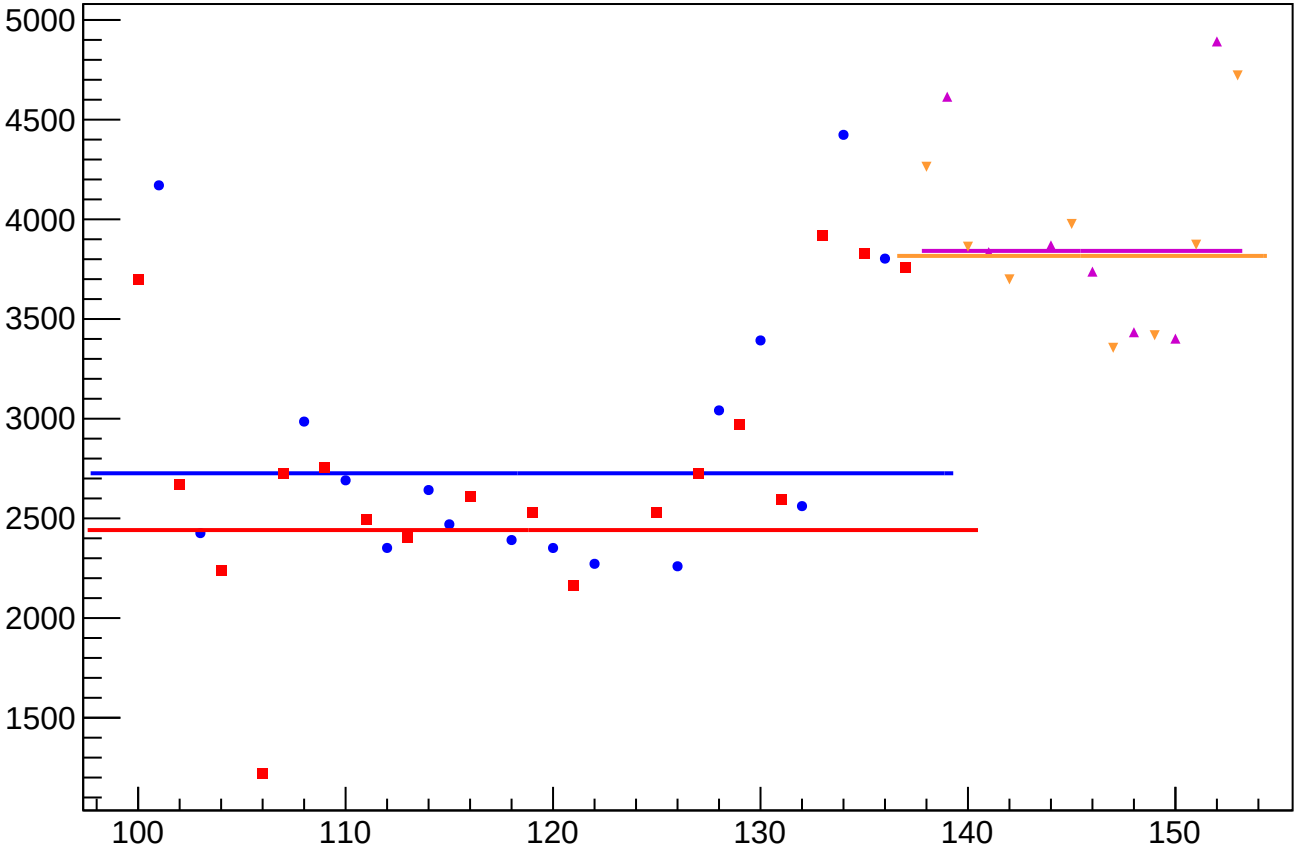
Right: -362.430+/-716.551 χ^2/NDF: 35.8/33

In: -282.075+/-866.500 χ^2/NDF:18.5/22

Out: 429.309+/-832.926 χ^2/NDF:26.6/25

All: 87.666+/-600.486 χ^2/NDF: 45.4/48

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 3816.540+/-1.094 χ^2/NDF:135077.6/7

Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 3841.705+/-1.107 χ^2/NDF:182081.5/6

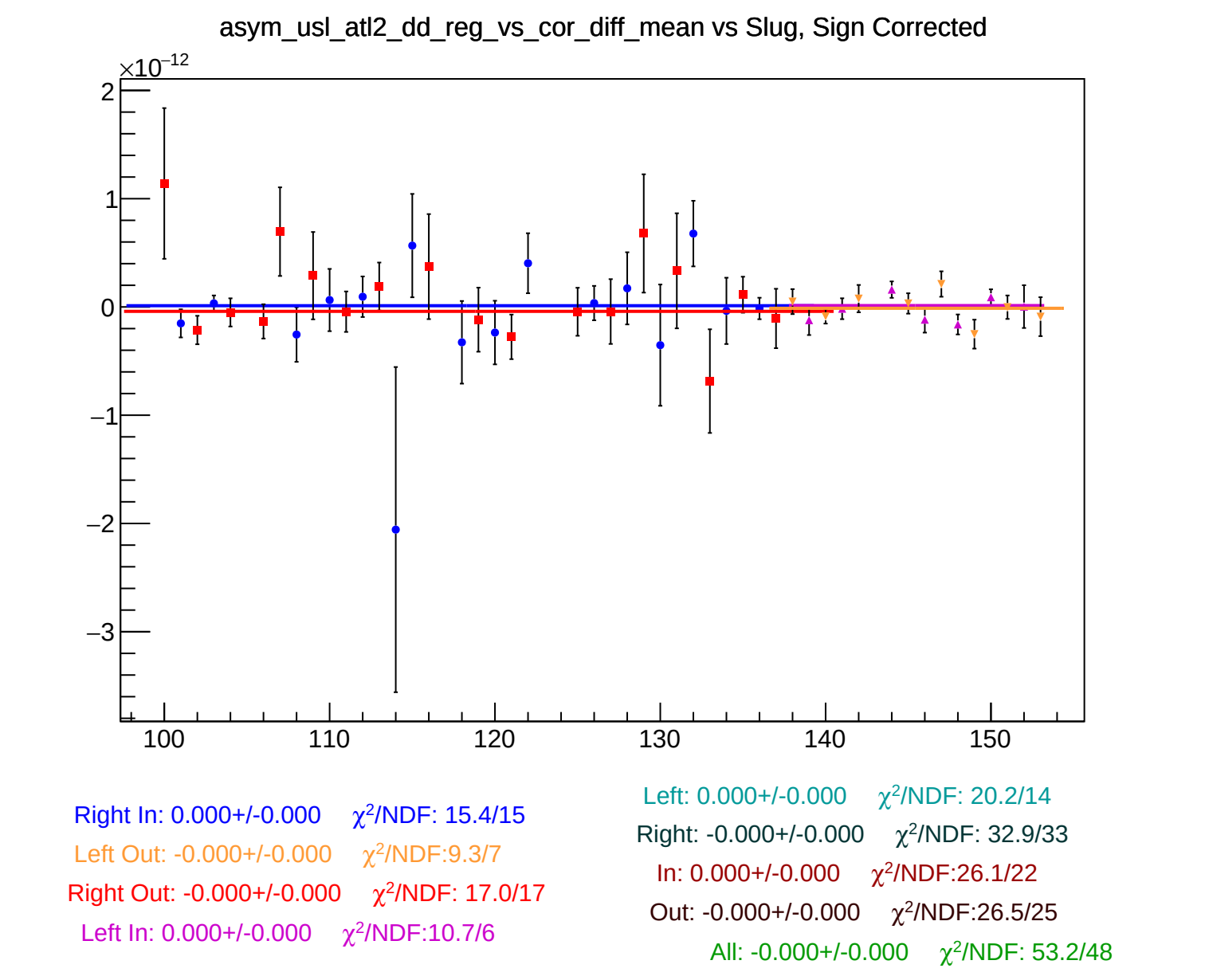
Left: 3828.971+/-0.778 χ^2/NDF: 317420.5/14

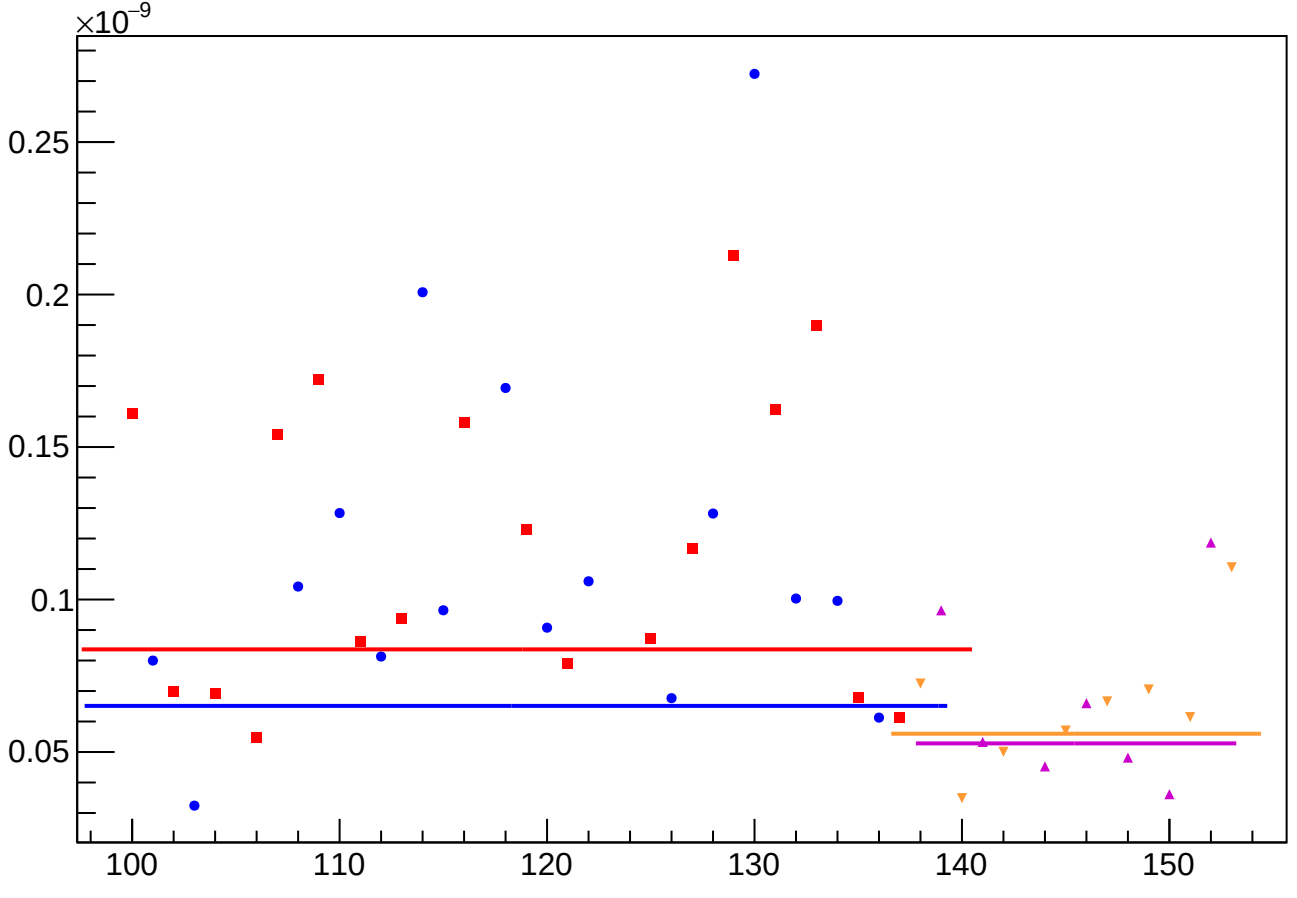
Right: 2569.883+/-0.494 χ^2/NDF: 1596520.0/33

In: 3067.834+/-0.613 χ^2/NDF:1509340.8/22

Out: 2813.981+/-0.569 χ^2/NDF:2178197.3/25

All: 2931.633+/-0.417 χ^2/NDF: 3779637.5/48


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
Right In: 0.000+/-0.000 χ²/NDF: 15.4/15
Left Out: -0.000+/-0.000 χ²/NDF:9.3/7
Right Out: -0.000+/-0.000 χ²/NDF: 17.0/17
Left In: 0.000+/-0.000 χ²/NDF:10.7/6
Left: 0.000+/-0.000 χ²/NDF: 20.2/14
Right: -0.000+/-0.000 χ²/NDF: 32.9/33
In: 0.000+/-0.000 χ²/NDF:26.1/22
Out: -0.000+/-0.000 χ²/NDF:26.5/25
All: -0.000+/-0.000 χ²/NDF: 53.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:474094.8/7

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

Left In: 0.000+/-0.000 χ^2/NDF:577171.7/6

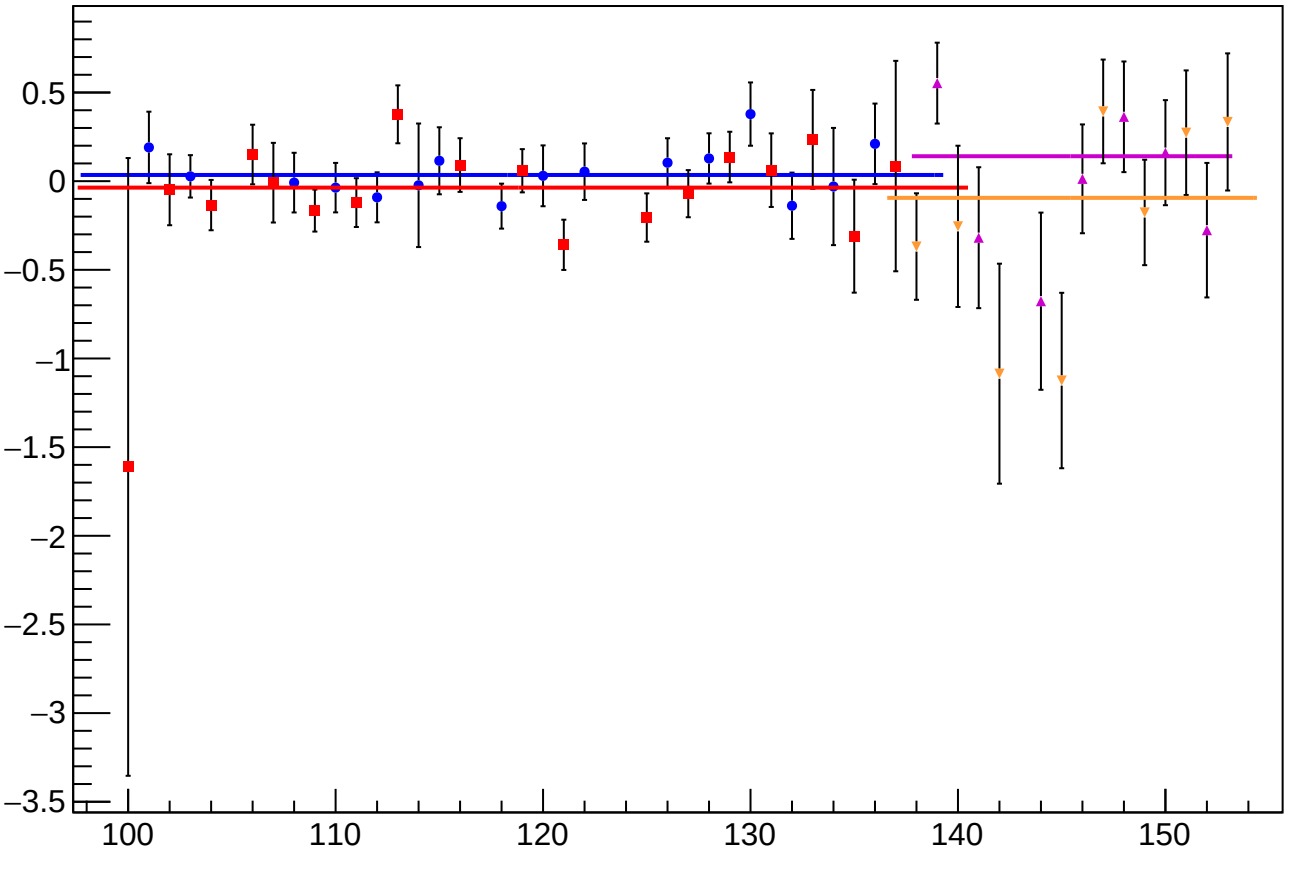
Left: 0.000+/-0.000 χ^2/NDF: 1058562.7/14

Right: 0.000+/-0.000 χ^2/NDF: 2057625.5/33

In: 0.000+/-0.000 χ^2/NDF:1891357.2/22

Out: 0.000+/-0.000 χ^2/NDF:1526845.1/25

All: 0.000+/-0.000 χ^2/NDF: 3477732.6/48



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.094+/-0.129 χ^2/NDF:13.0/7

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.141+/-0.121 χ^2/NDF:9.2/6

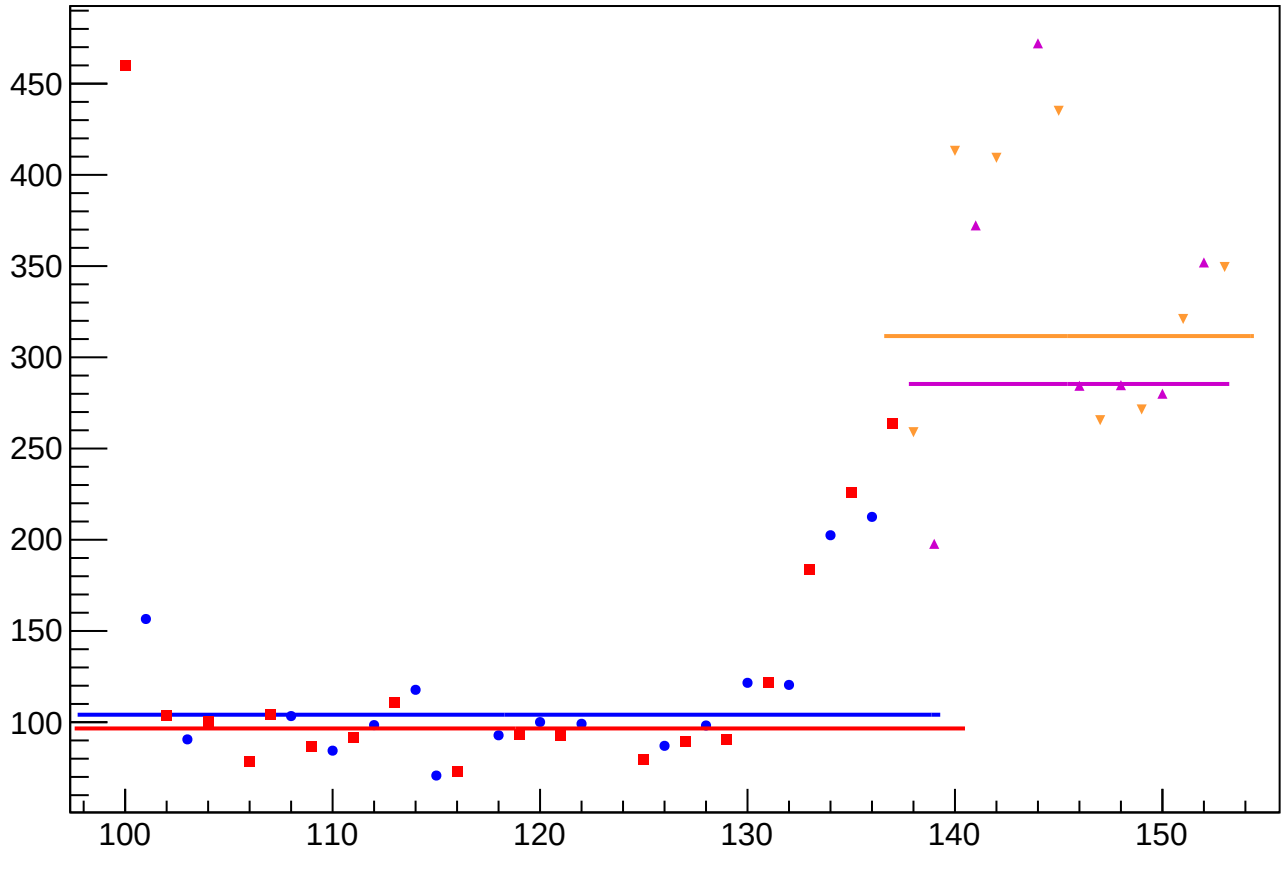
Left: 0.031+/-0.088 χ^2/NDF: 24.0/14

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.046+/-0.039 χ^2/NDF:19.6/22

Out: -0.041+/-0.037 χ^2/NDF:35.3/25

All: 0.001+/-0.027 χ^2/NDF: 57.5/48



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 311.646+/-0.091 χ^2/NDF:442369.9/7

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 285.388+/-0.085 χ^2/NDF:732412.5/6

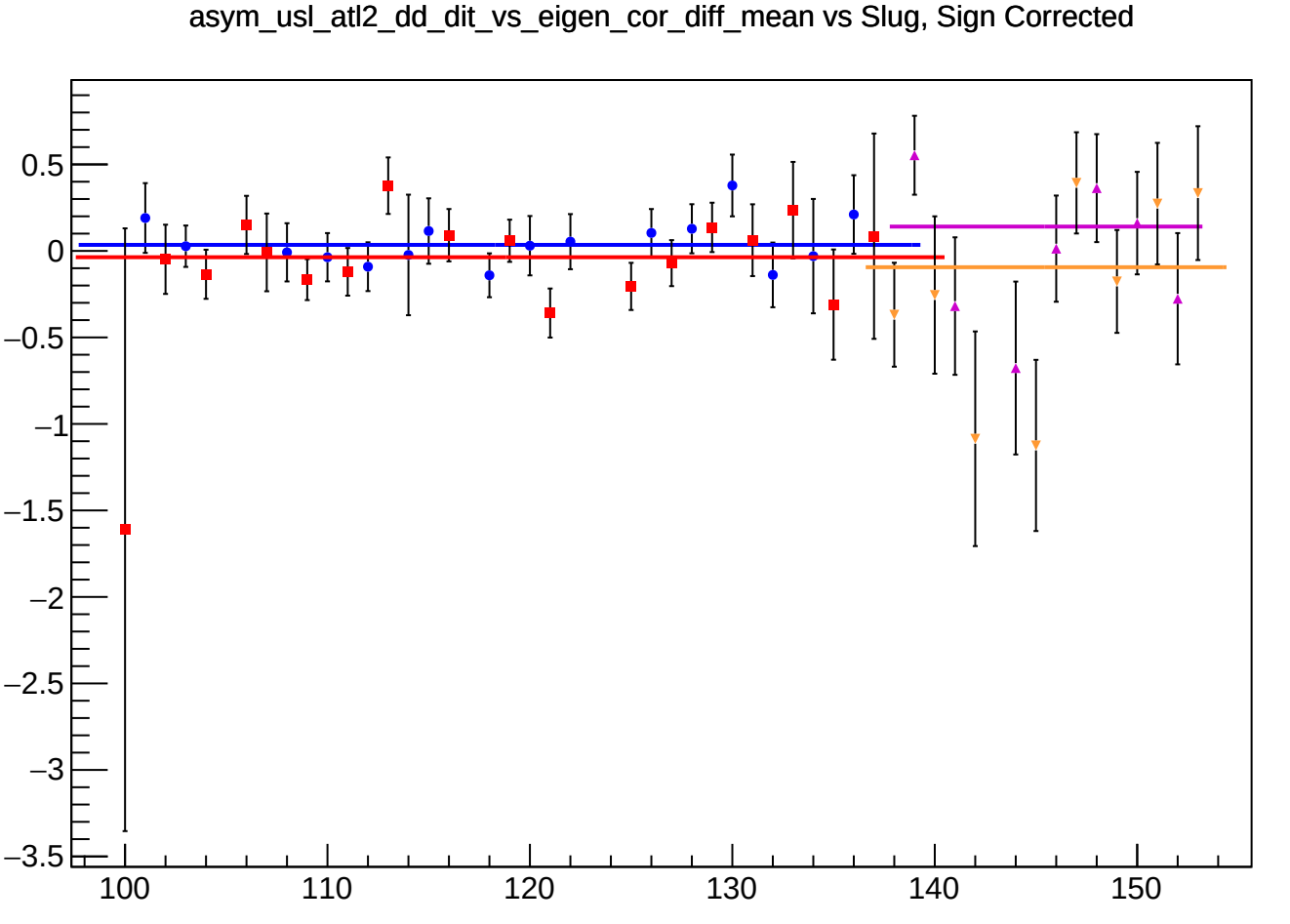
Left: 297.665+/-0.062 χ^2/NDF: 1219130.7/14

Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 122.915+/-0.027 χ^2/NDF:5774556.6/22

Out: 114.580+/-0.026 χ^2/NDF:6517952.1/25

All: 118.571+/-0.019 χ^2/NDF: 12340491.2/48



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.094+/-0.129 χ^2/NDF:13.0/7

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.141+/-0.121 χ^2/NDF:9.2/6

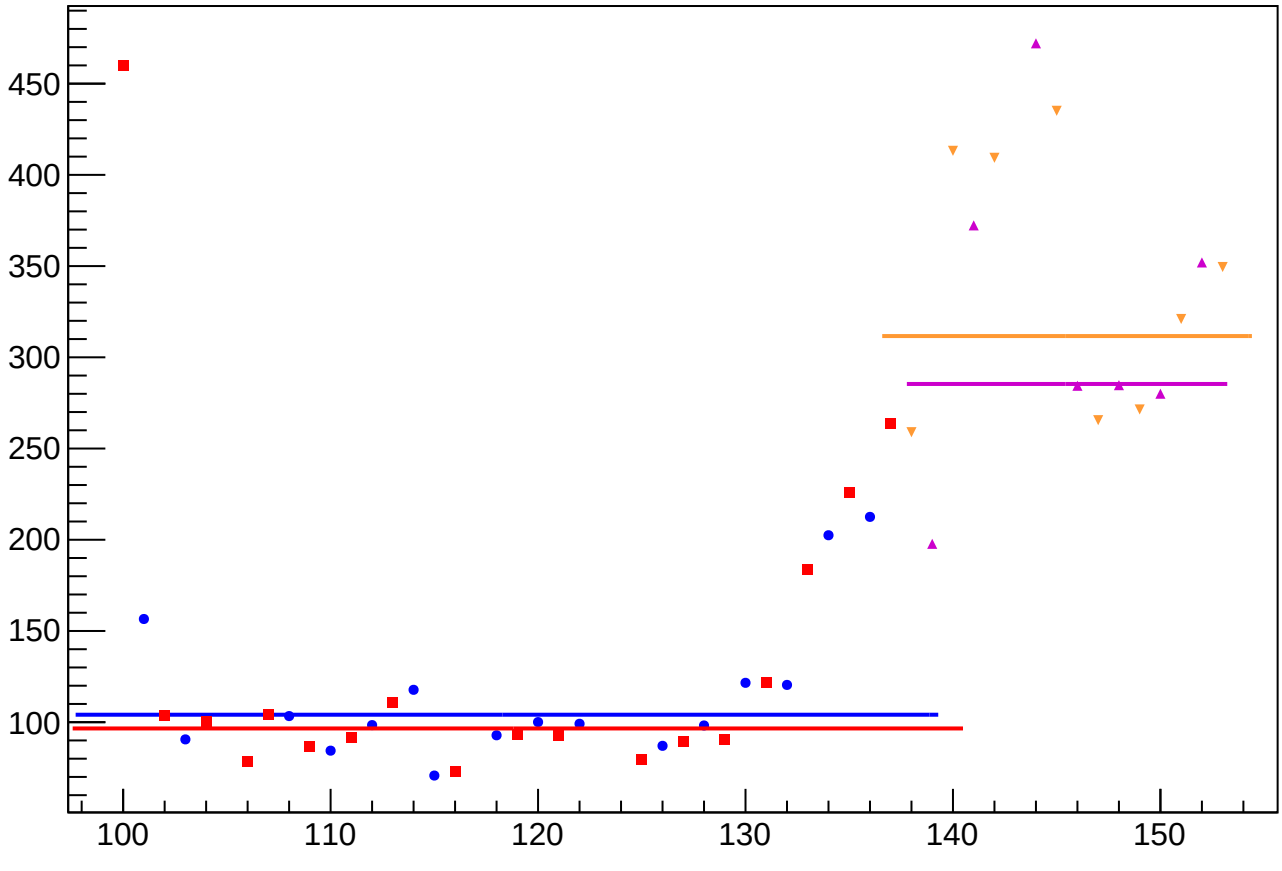
Left: 0.031+/-0.088 χ^2/NDF: 24.0/14

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.046+/-0.039 χ^2/NDF:19.6/22

Out: -0.041+/-0.037 χ^2/NDF:35.3/25

All: 0.001+/-0.027 χ^2/NDF: 57.5/48



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 311.646+/-0.091 χ^2/NDF:442369.9/7

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 285.388+/-0.085 χ^2/NDF:732412.5/6

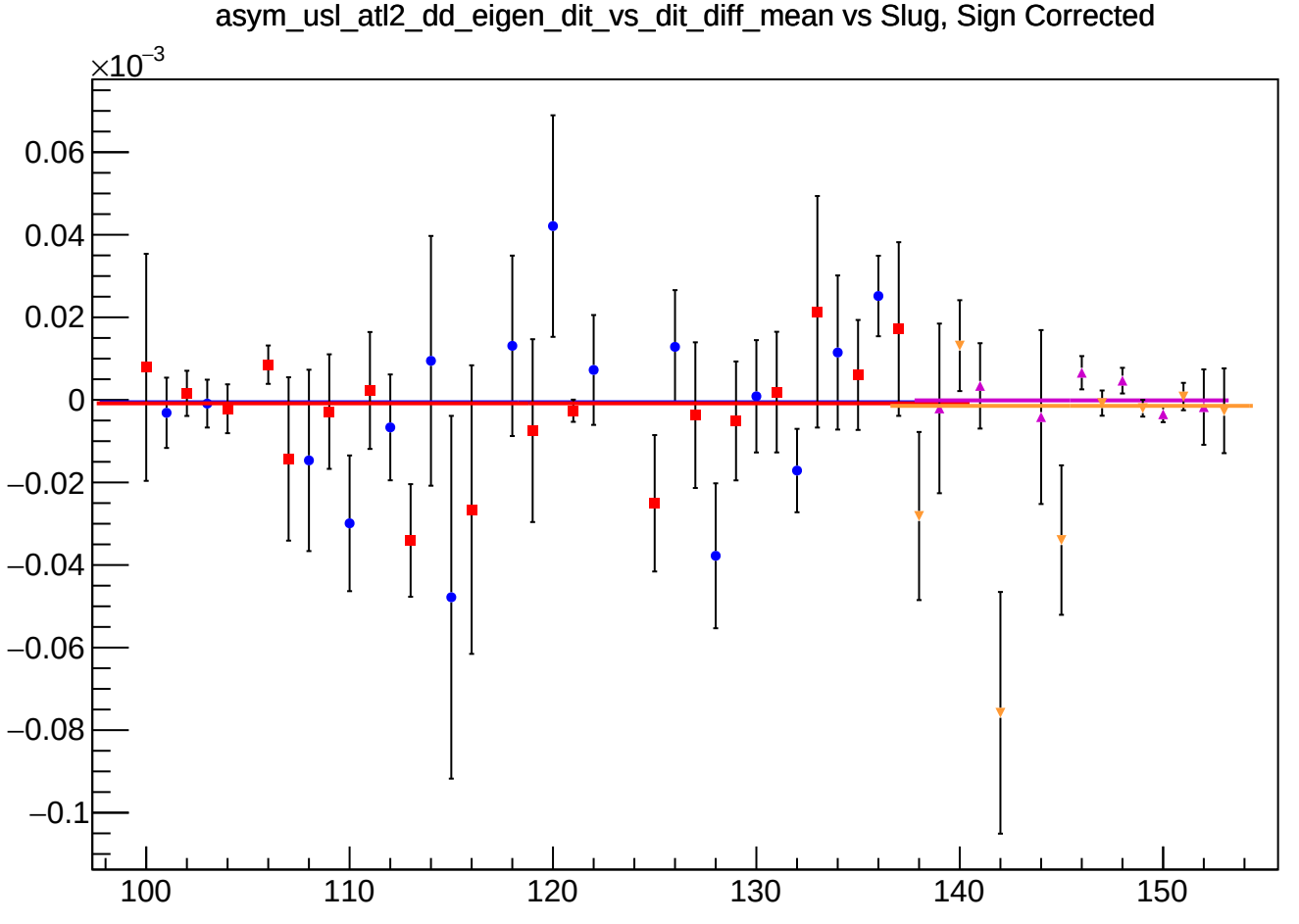
Left: 297.665+/-0.062 χ^2/NDF: 1219130.7/14

Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 122.915+/-0.027 χ^2/NDF:5774556.6/22

Out: 114.580+/-0.026 χ^2/NDF:6517952.1/25

All: 118.571+/-0.019 χ^2/NDF: 12340491.2/48



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.7/7

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/17

Left In: -0.000+/-0.000 χ^2/NDF:8.4/6

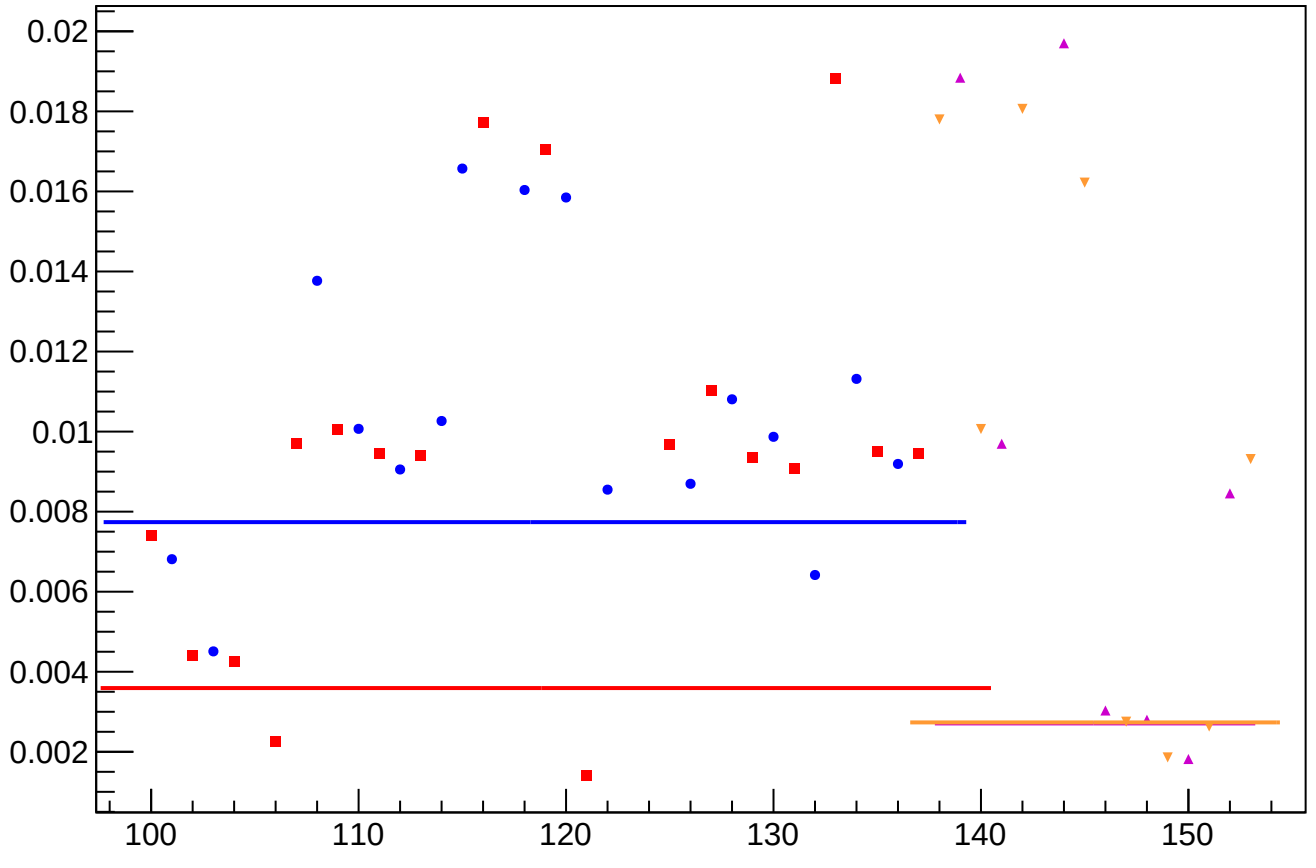
Left: -0.000+/-0.000 χ^2/NDF: 22.5/14

Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:32.4/22

Out: -0.000+/-0.000 χ^2/NDF:29.7/25

All: -0.000+/-0.000 χ^2/NDF: 62.4/48



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.003+/-0.000 χ^2/NDF:4831888.6/7

Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

Left In: 0.003+/-0.000 χ^2/NDF:4682334.7/6

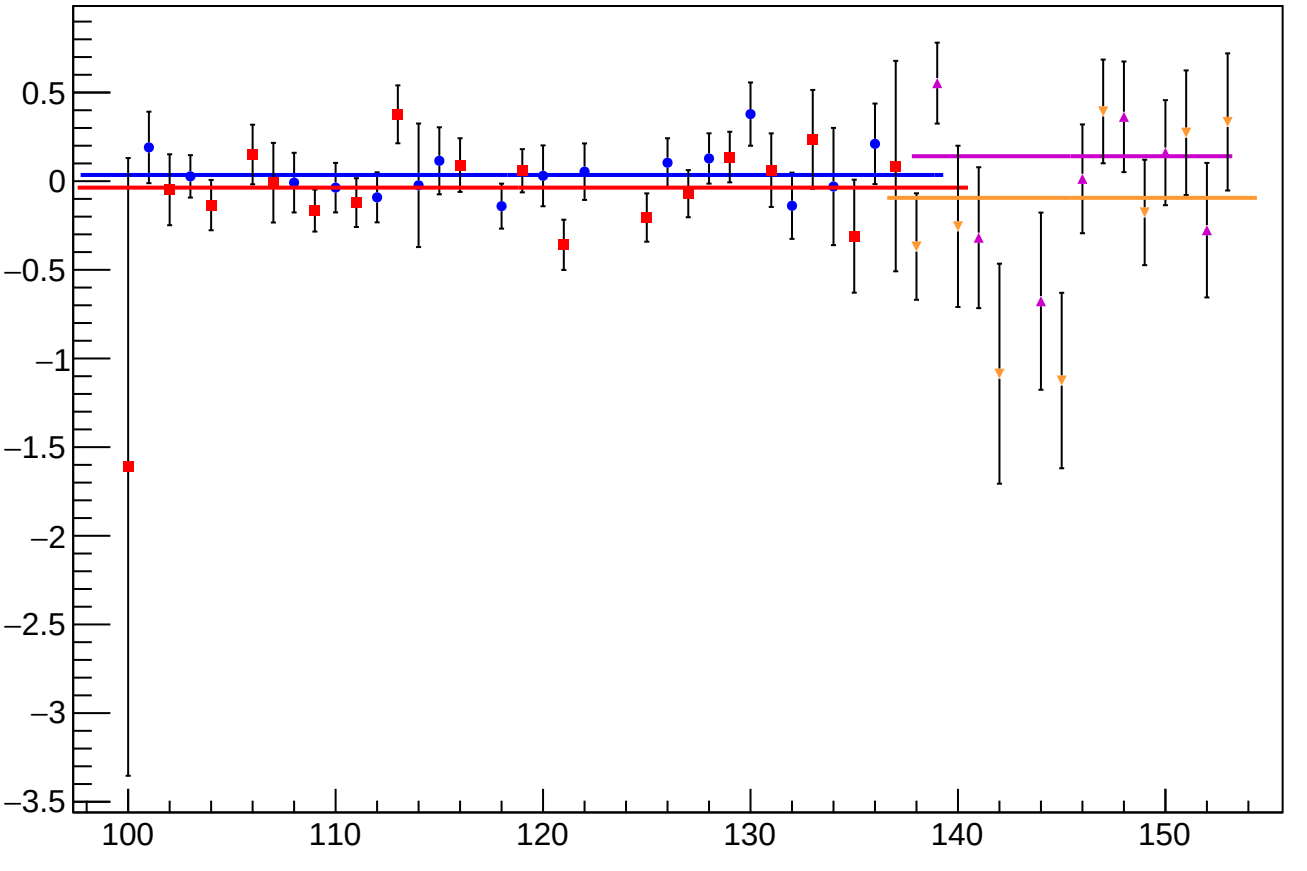
Left: 0.003+/-0.000 χ^2/NDF: 9514519.1/14

Right: 0.005+/-0.000 χ^2/NDF: 10695382.9/33

In: 0.004+/-0.000 χ^2/NDF:10652885.7/22

Out: 0.003+/-0.000 χ^2/NDF:11462182.8/25

All: 0.003+/-0.000 χ^2/NDF: 22318600.4/48



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: -0.094+/-0.129 χ^2/NDF:13.0/7

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.141+/-0.121 χ^2/NDF:9.2/6

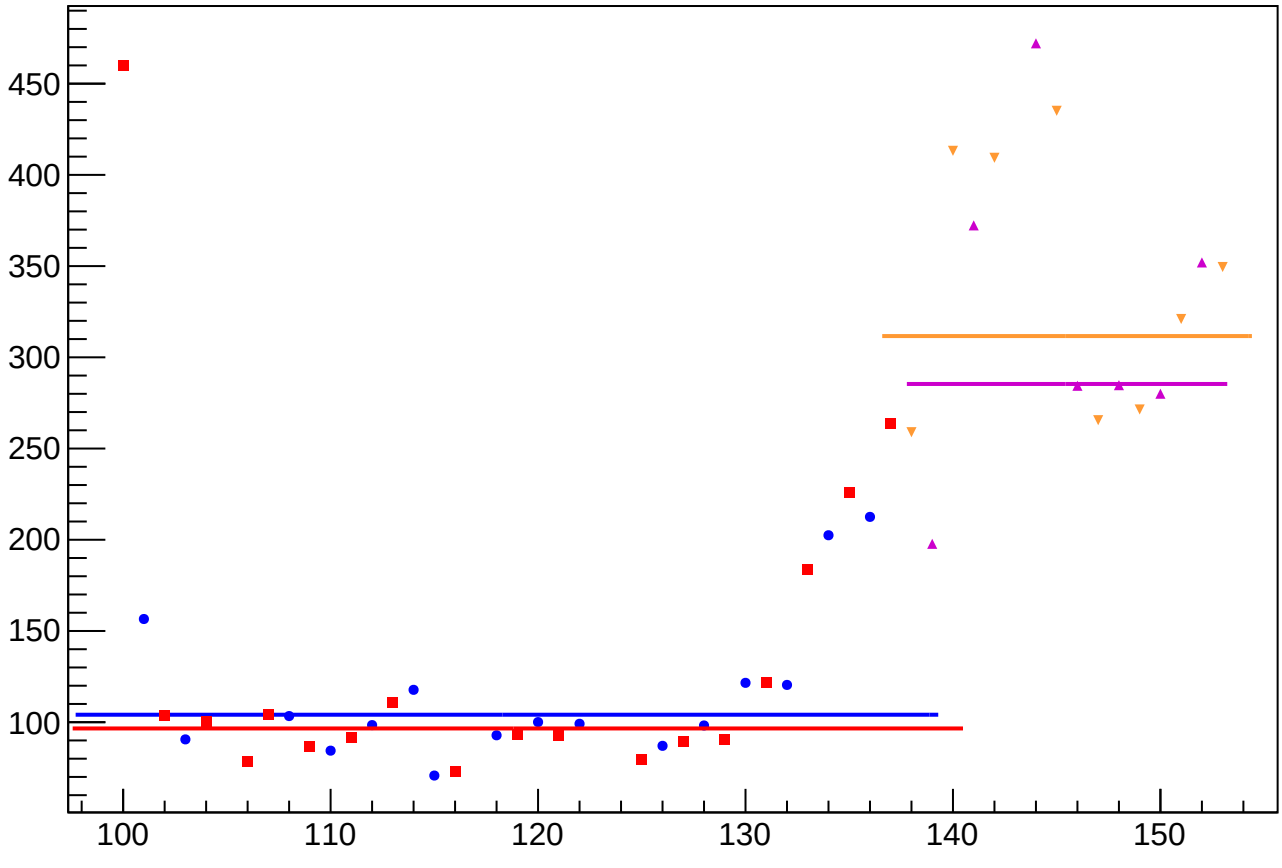
Left: 0.031+/-0.088 χ^2/NDF: 24.0/14

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.046+/-0.039 χ^2/NDF:19.6/22

Out: -0.041+/-0.037 χ^2/NDF:35.3/25

All: 0.001+/-0.027 χ^2/NDF: 57.5/48



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 311.648+/-0.091 χ^2/NDF:442404.4/7

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 285.392+/-0.085 χ^2/NDF:732391.6/6

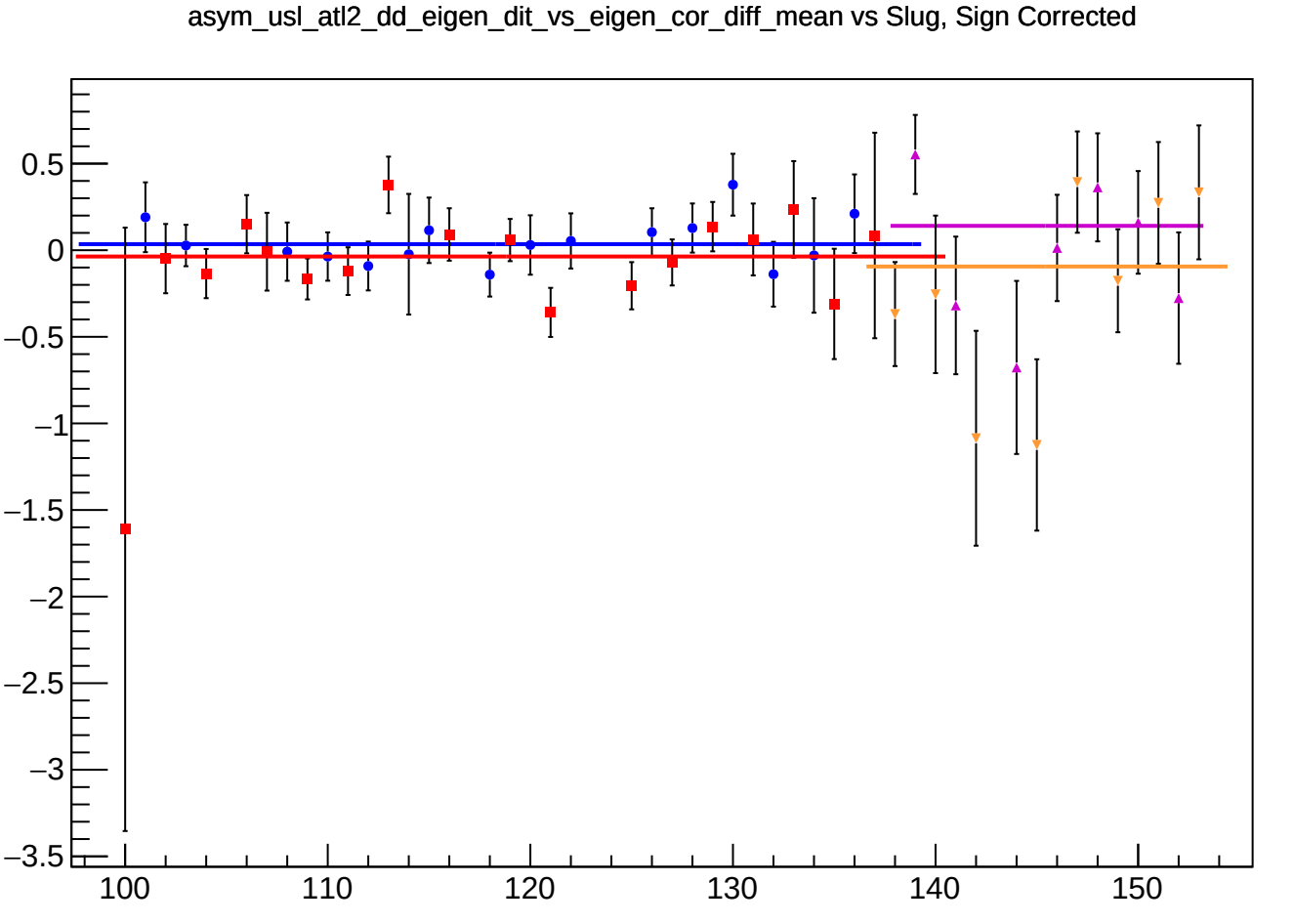
Left: 297.668+/-0.062 χ^2/NDF: 1219137.3/14

Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

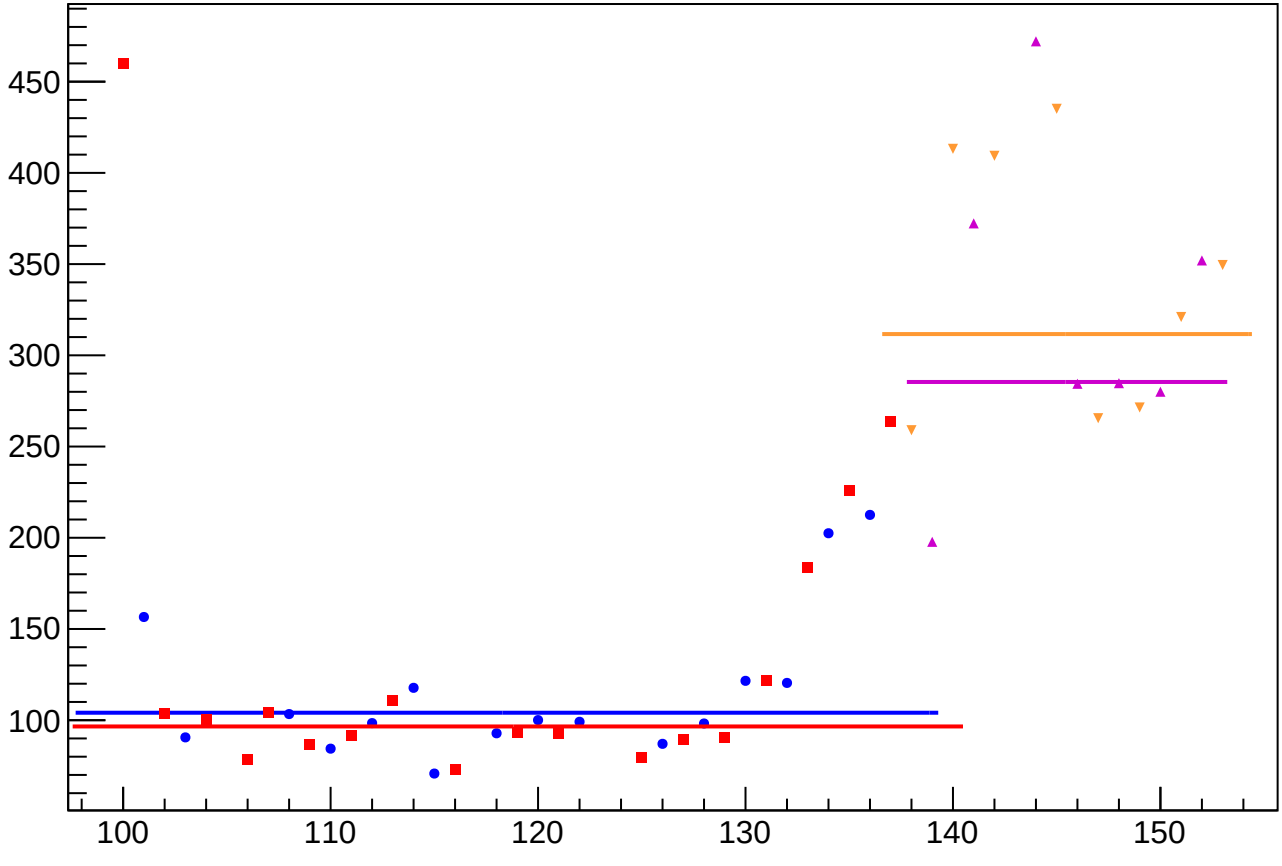
In: 122.916+/-0.027 χ^2/NDF:5774524.0/22

Out: 114.582+/-0.026 χ^2/NDF:6517871.1/25

All: 118.573+/-0.019 χ^2/NDF: 12340371.5/48


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
100
110
120
130
140
150
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: -0.094+/-0.129 χ²/NDF:13.0/7
Right Out: -0.036+/-0.039 χ²/NDF: 22.0/17
Left In: 0.141+/-0.121 χ²/NDF:9.2/6
Left: 0.031+/-0.088 χ²/NDF: 24.0/14
Right: -0.003+/-0.028 χ²/NDF: 33.4/33
In: 0.046+/-0.039 χ²/NDF:19.6/22
Out: -0.041+/-0.037 χ²/NDF:35.3/25
All: 0.001+/-0.027 χ²/NDF: 57.5/48

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 311.648+/-0.091 χ^2/NDF:442404.4/7

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 285.392+/-0.085 χ^2/NDF:732391.6/6

Left: 297.668+/-0.062 χ^2/NDF: 1219137.3/14

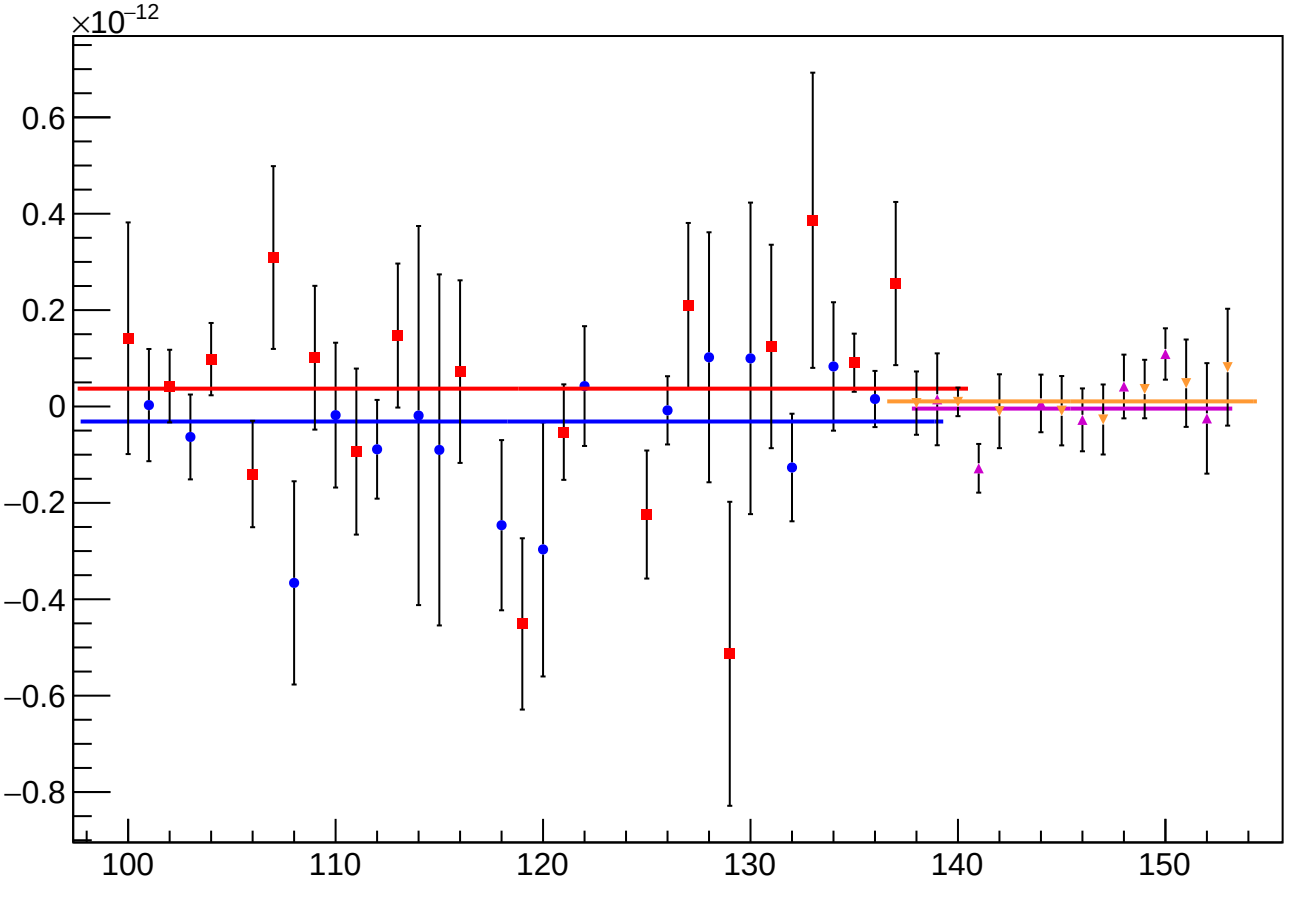
Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 122.916+/-0.027 χ^2/NDF:5774524.0/22

Out: 114.582+/-0.026 χ^2/NDF:6517871.1/25

All: 118.573+/-0.019 χ^2/NDF: 12340371.5/48

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.1/7

Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: -0.000+/-0.000 χ^2/NDF:11.2/6

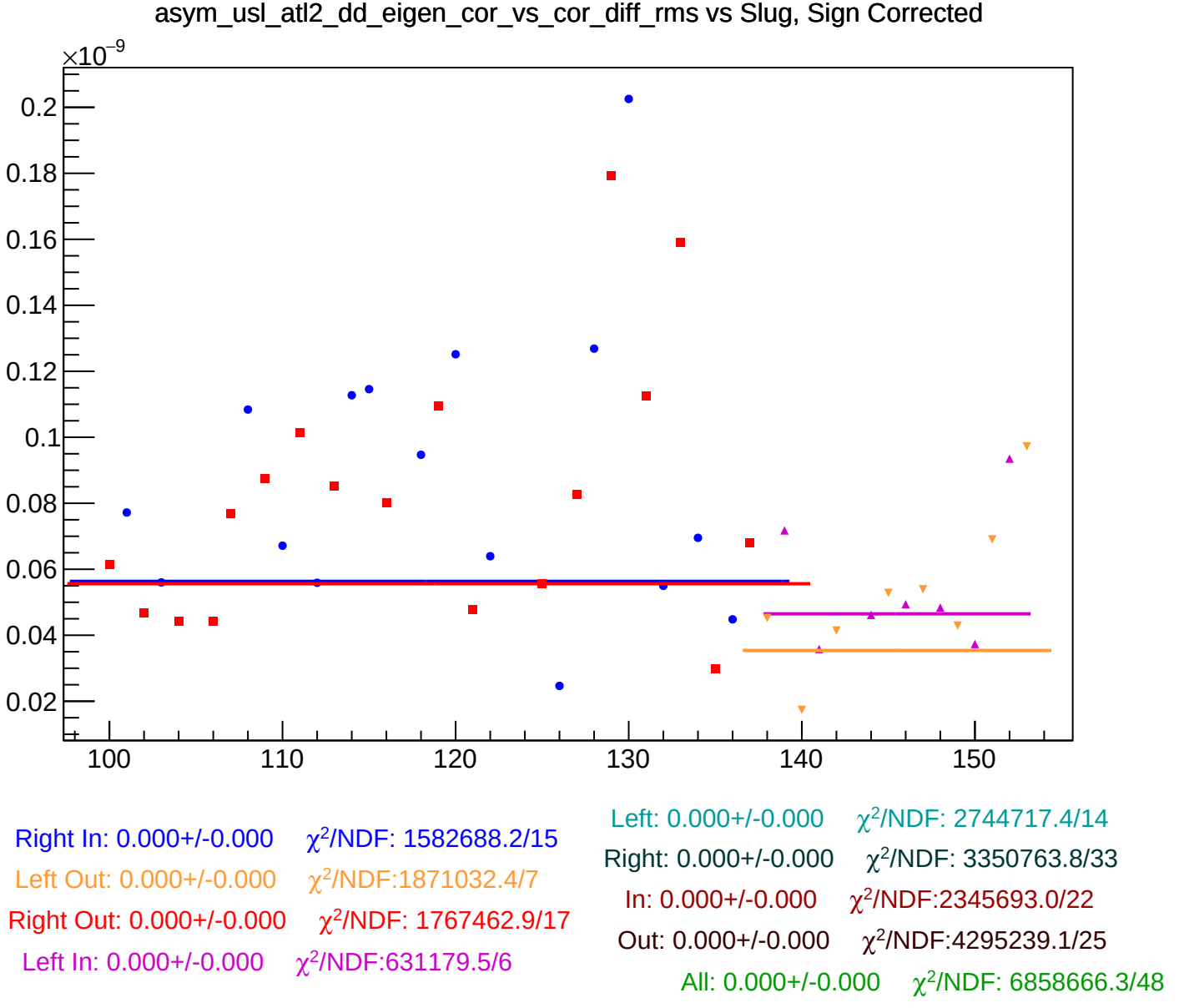
Left: 0.000+/-0.000 χ^2/NDF: 12.6/14

Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

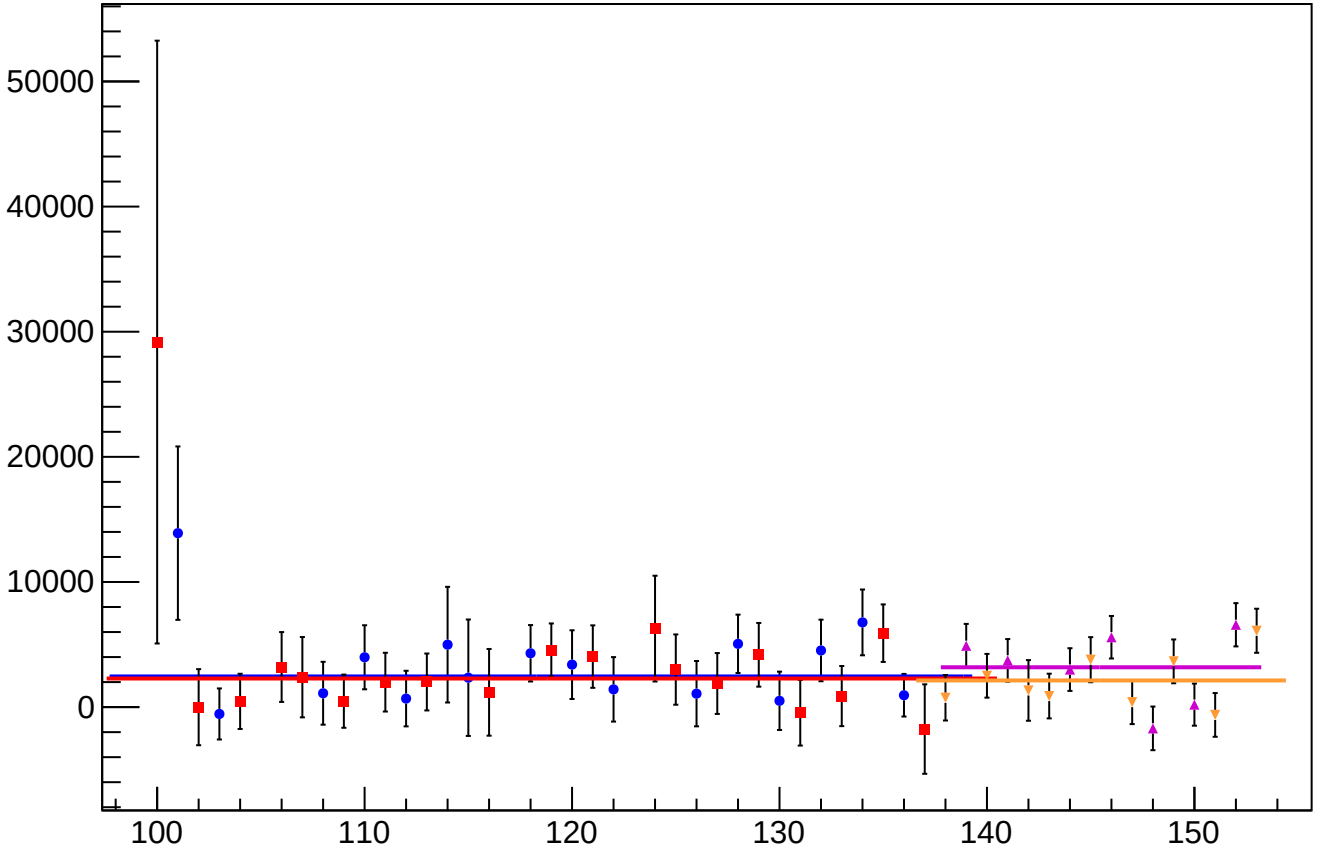
In: -0.000+/-0.000 χ^2/NDF:20.3/22

Out: 0.000+/-0.000 χ^2/NDF:28.7/25

All: 0.000+/-0.000 χ^2/NDF: 50.9/48


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1582688.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1871032.4/7
Right Out: 0.000+/-0.000 χ²/NDF: 1767462.9/17
Left In: 0.000+/-0.000 χ²/NDF:631179.5/6
Left: 0.000+/-0.000 χ²/NDF: 2744717.4/14
Right: 0.000+/-0.000 χ²/NDF: 3350763.8/33
In: 0.000+/-0.000 χ²/NDF:2345693.0/22
Out: 0.000+/-0.000 χ²/NDF:4295239.1/25
All: 0.000+/-0.000 χ²/NDF: 6858666.3/48

reg_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2131.821+/-606.030 χ^2/NDF:11.4/8

Right Out: 2286.573+/-609.157 χ^2/NDF: 11.8/18

Left In: 3183.436+/-648.338 χ^2/NDF:17.9/6

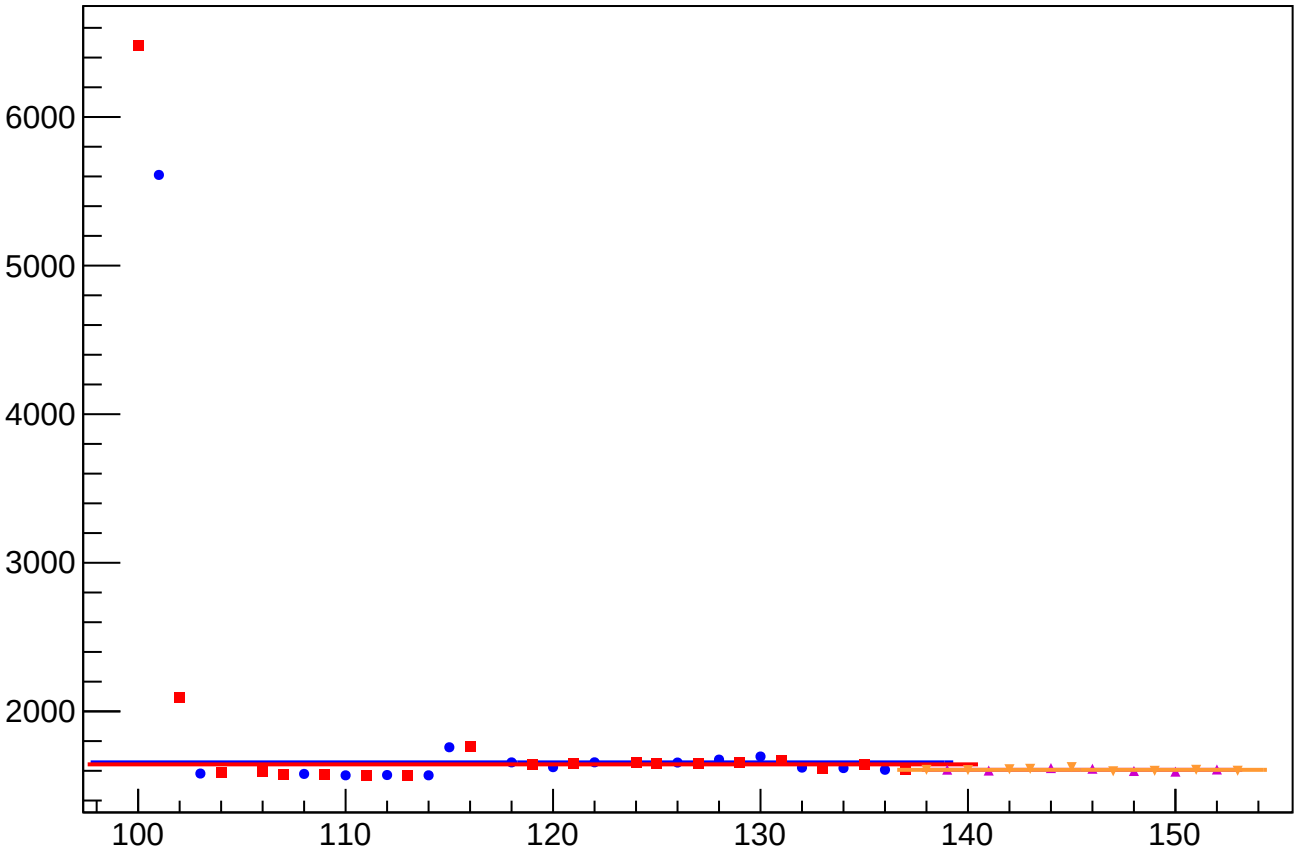
Left: 2622.200+/-442.730 χ^2/NDF: 30.7/15

Right: 2365.487+/-438.001 χ^2/NDF: 25.7/34

In: 2806.313+/-451.908 χ^2/NDF:32.4/22

Out: 2208.799+/-429.629 χ^2/NDF:23.2/27

All: 2492.465+/-311.372 χ^2/NDF: 56.6/50



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1606.595+/-0.429 χ^2/NDF:354.4/8

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

Left In: 1606.438+/-0.458 χ^2/NDF:301.4/6

Left: 1606.522+/-0.313 χ^2/NDF: 655.8/15

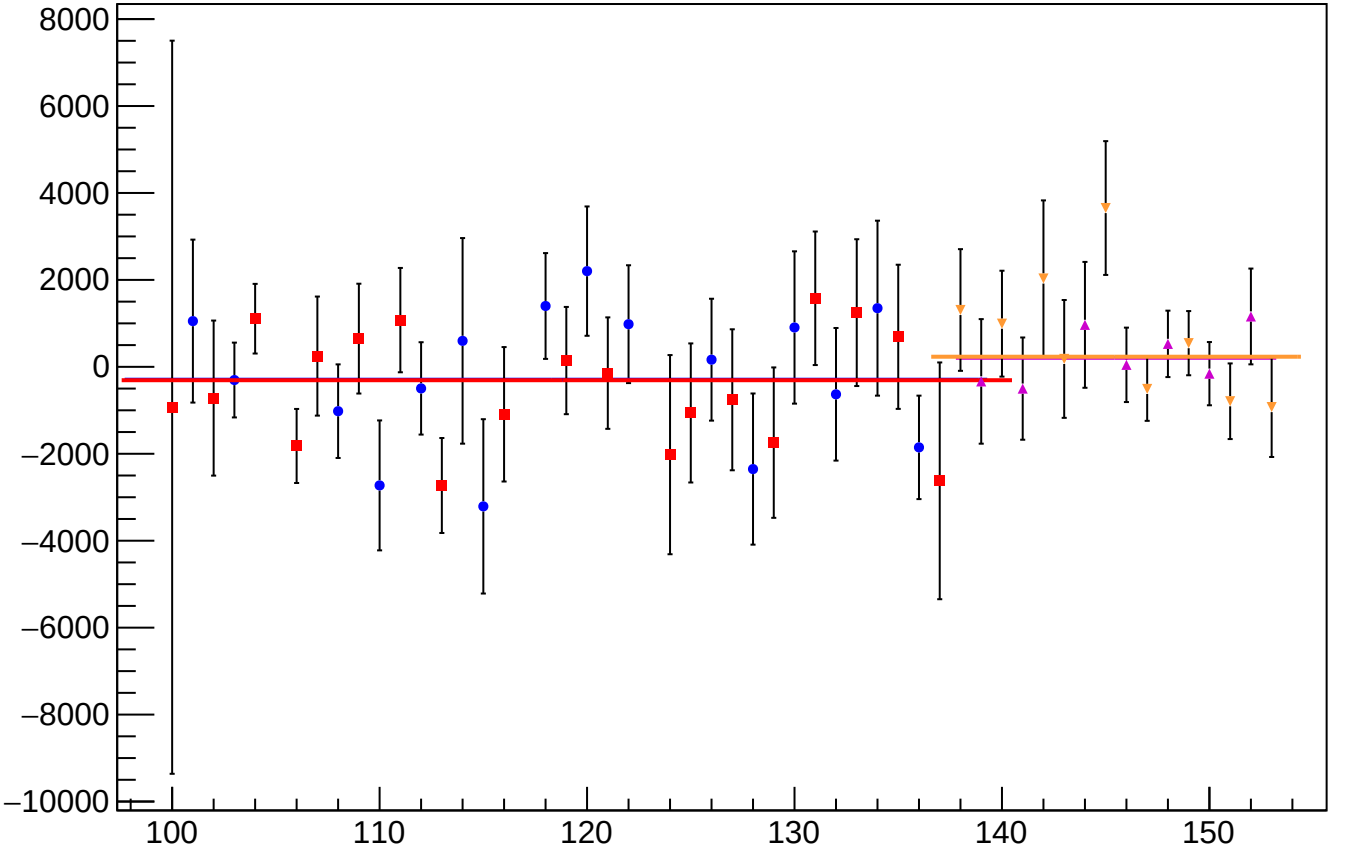
Right: 1649.831+/-0.310 χ^2/NDF: 803681.3/34

In: 1632.272+/-0.320 χ^2/NDF:672703.7/22

Out: 1624.918+/-0.304 χ^2/NDF:141027.6/27

All: 1628.409+/-0.220 χ^2/NDF: 814009.5/50

asym_usr_atr1_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -296.450+/-343.436 χ^2/NDF: 16.0/15

Left Out: 232.755+/-348.566 χ^2/NDF:10.5/8

Right Out: -307.671+/-312.976 χ^2/NDF: 18.7/18

Left In: 208.756+/-365.677 χ^2/NDF:2.0/6

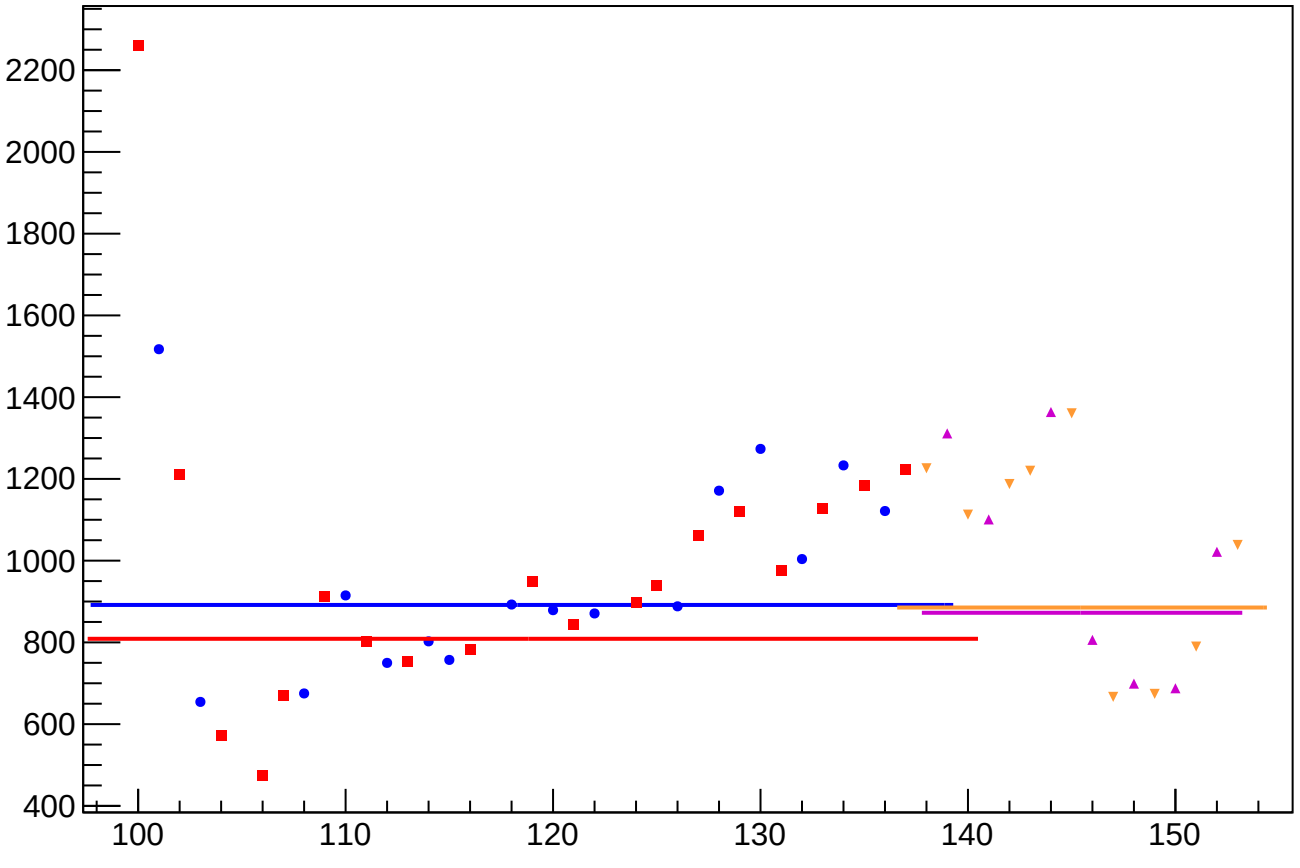
Left: 221.330+/-252.306 χ^2/NDF: 12.5/15

Right: -302.580+/-231.328 χ^2/NDF: 34.7/34

In: -59.677+/-250.340 χ^2/NDF:19.0/22

Out: -66.448+/-232.877 χ^2/NDF:30.6/27

All: -63.307+/-170.508 χ^2/NDF: 49.5/50



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 885.319+/-0.246 χ^2/NDF:958019.1/8

Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 872.461+/-0.259 χ^2/NDF:773711.0/6

Left: 879.198+/-0.178 χ^2/NDF: 1733025.8/15

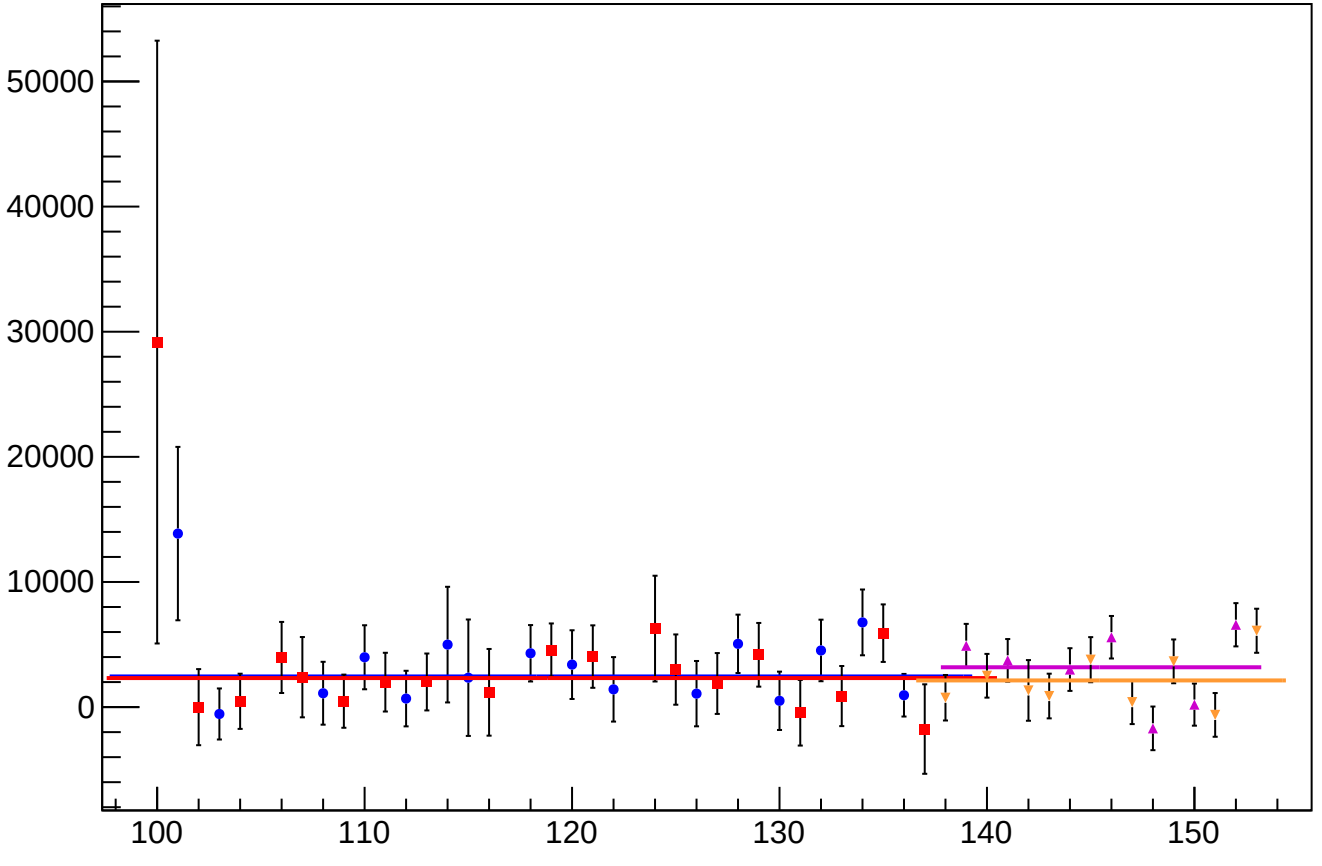
Right: 846.386+/-0.164 χ^2/NDF: 1941284.0/34

In: 882.648+/-0.177 χ^2/NDF:1570529.3/22

Out: 842.960+/-0.165 χ^2/NDF:2095209.8/27

All: 861.371+/-0.121 χ^2/NDF: 3692686.7/50

cor_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2131.785+/-606.030 χ^2/NDF:11.4/8

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 3183.622+/-648.338 χ^2/NDF:17.9/6

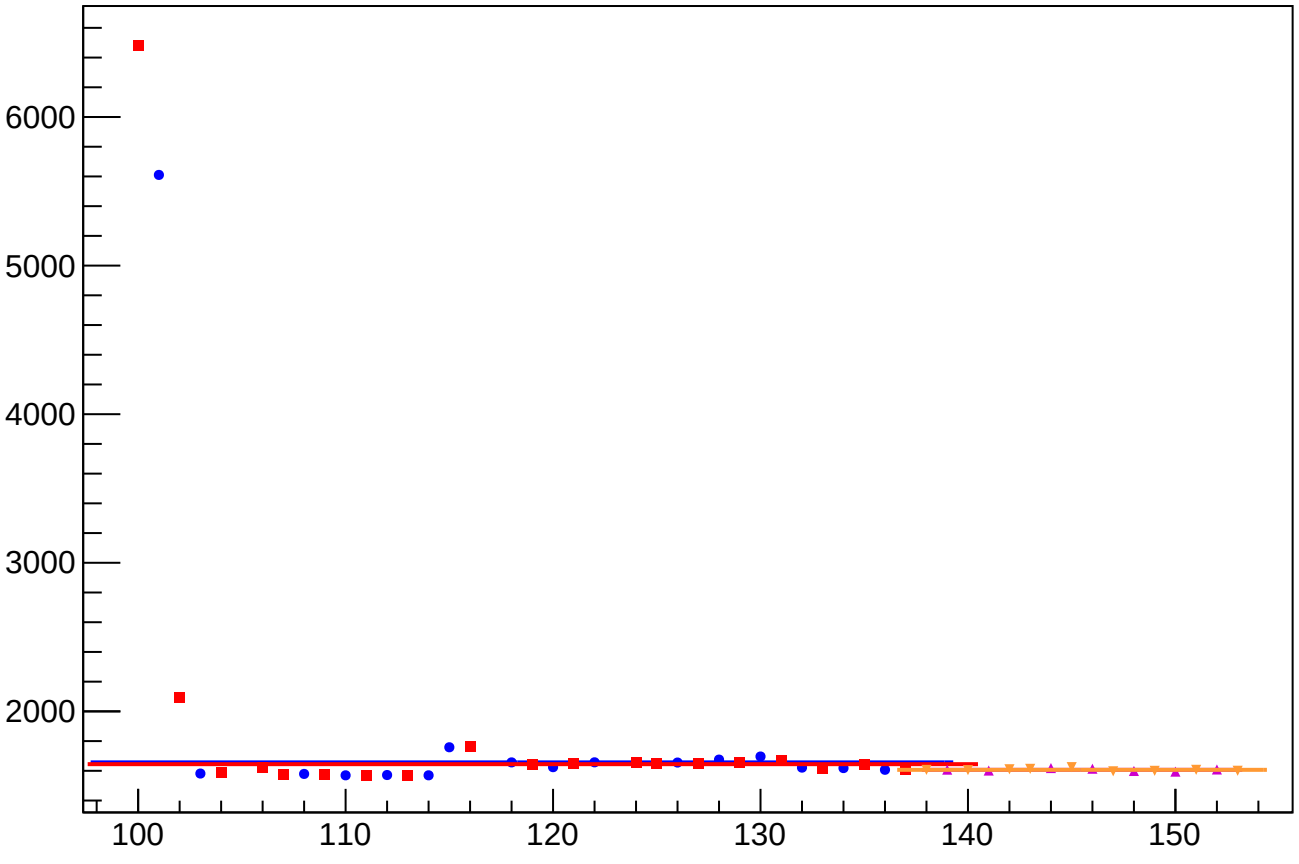
Left: 2622.268+/-442.730 χ^2/NDF: 30.7/15

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2806.116+/-451.908 χ^2/NDF:32.4/22

Out: 2225.617+/-429.805 χ^2/NDF:23.5/27

All: 2501.323+/-311.439 χ^2/NDF: 56.8/50



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1606.595+/-0.429 χ^2/NDF:354.4/8

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1606.438+/-0.458 χ^2/NDF:301.4/6

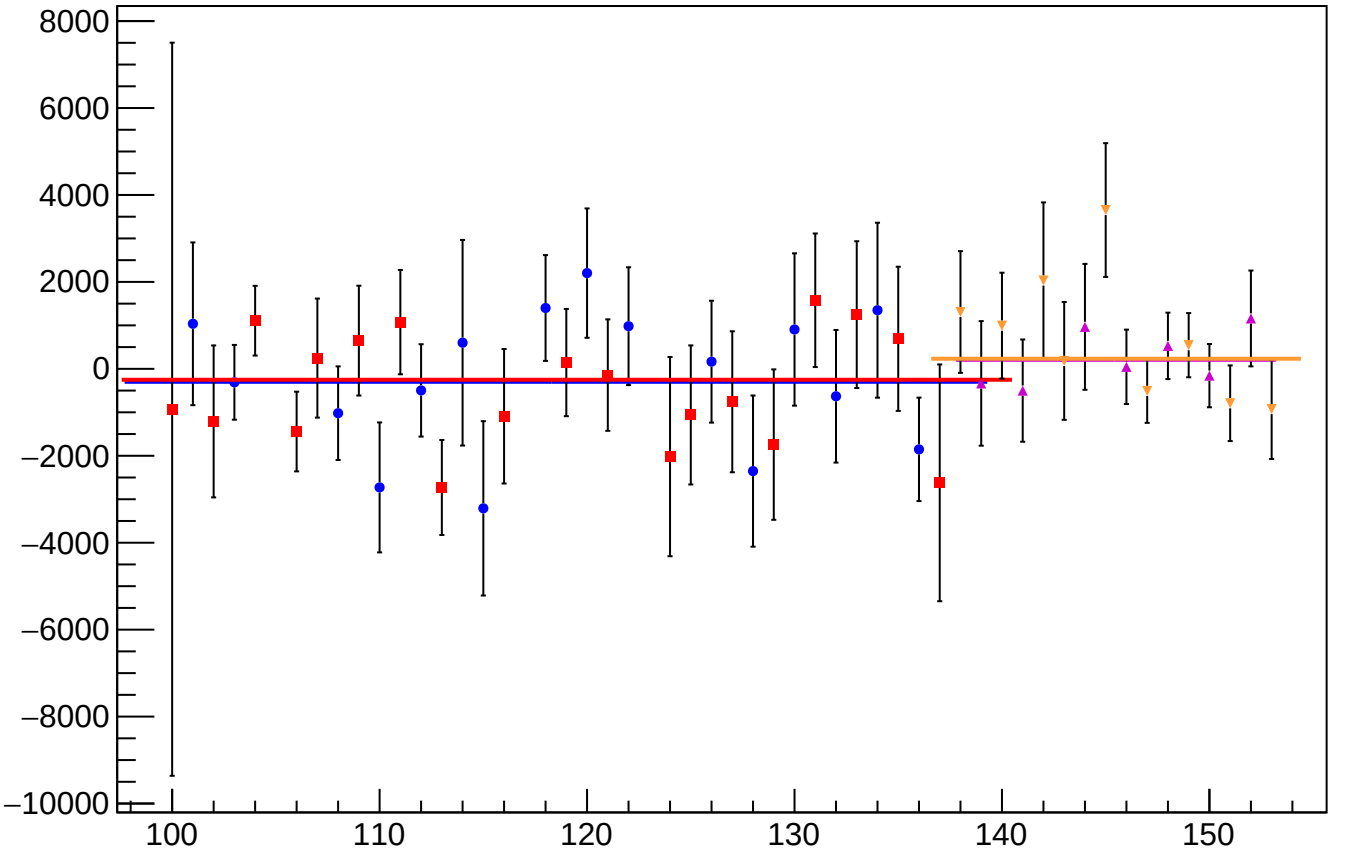
Left: 1606.522+/-0.313 χ^2/NDF: 655.8/15

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1632.272+/-0.320 χ^2/NDF:672703.2/22

Out: 1625.550+/-0.304 χ^2/NDF:140774.1/27

All: 1628.743+/-0.220 χ^2/NDF: 813709.6/50



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: 232.624+/-348.560 χ^2/NDF:10.5/8

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 208.818+/-365.681 χ^2/NDF:2.0/6

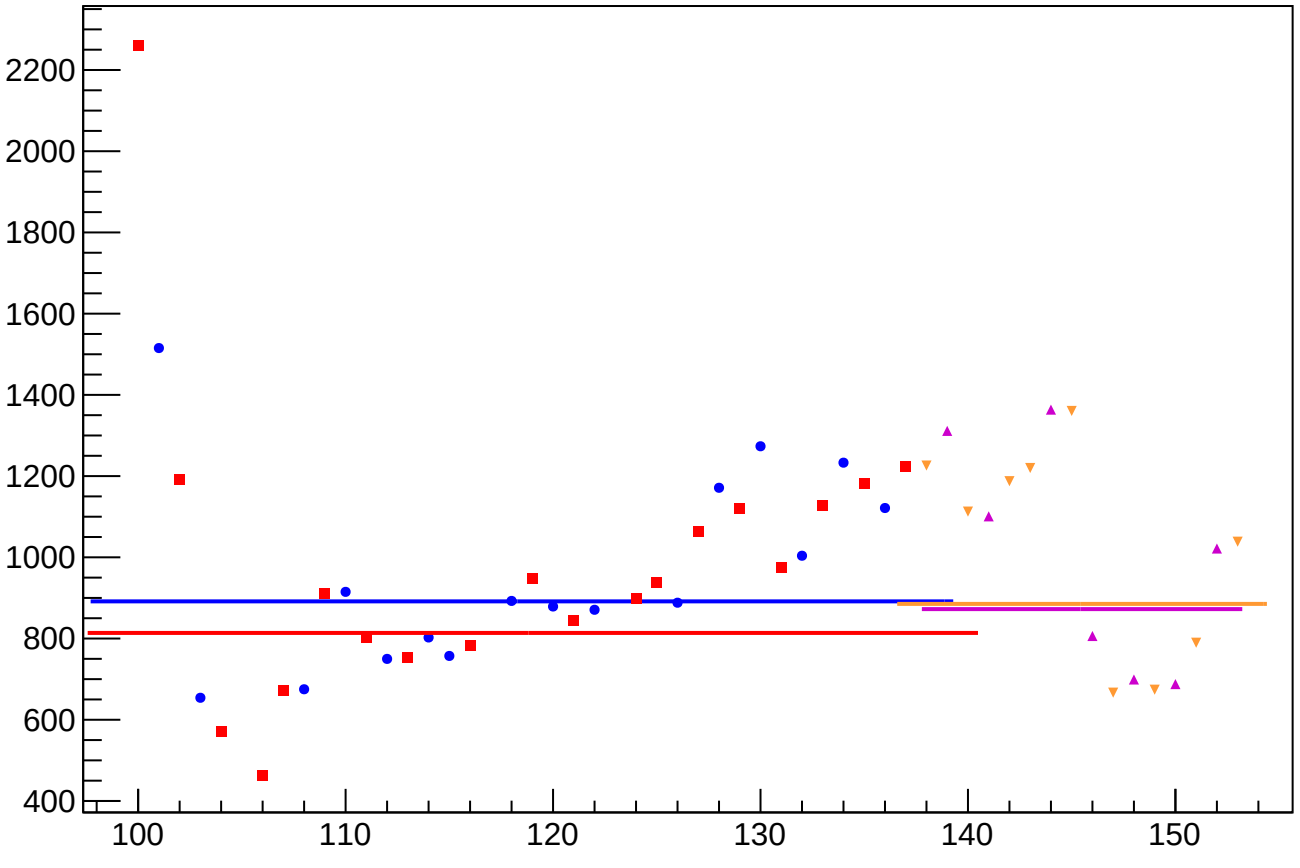
Left: 221.291+/-252.305 χ^2/NDF: 12.5/15

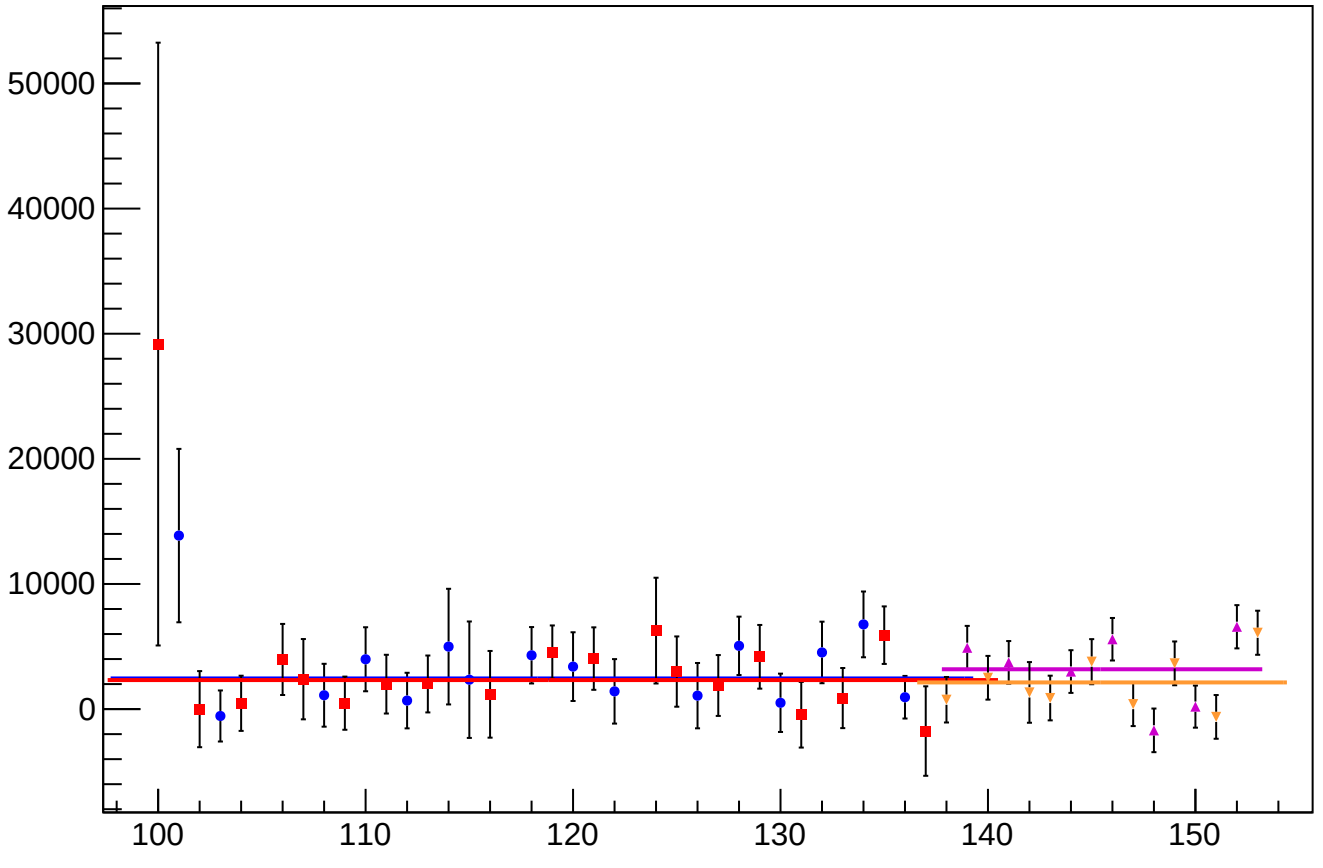
Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -60.398+/-250.323 χ^2/NDF:19.0/22

Out: -33.143+/-234.011 χ^2/NDF:28.8/27

All: -45.854+/-170.947 χ^2/NDF: 47.8/50


asym_usr_atr1_avg_cor_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
600
400
100
110
120
130
140
150
Right In: 891.533+/-0.243 χ²/NDF: 793657.2/15
Left Out: 885.303+/-0.246 χ²/NDF:958061.5/8
Right Out: 813.807+/-0.223 χ²/NDF: 1052991.6/18
Left In: 872.470+/-0.259 χ²/NDF:773695.3/6
Left: 879.194+/-0.178 χ²/NDF: 1733047.4/15
Right: 849.416+/-0.164 χ²/NDF: 1902171.7/34
In: 882.600+/-0.177 χ²/NDF:1570240.8/22
Out: 846.032+/-0.165 χ²/NDF:2057272.2/27
All: 863.086+/-0.121 χ²/NDF: 3650288.9/50



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2131.785+/-606.030 χ^2/NDF:11.4/8

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 3183.622+/-648.338 χ^2/NDF:17.9/6

Left: 2622.268+/-442.730 χ^2/NDF: 30.7/15

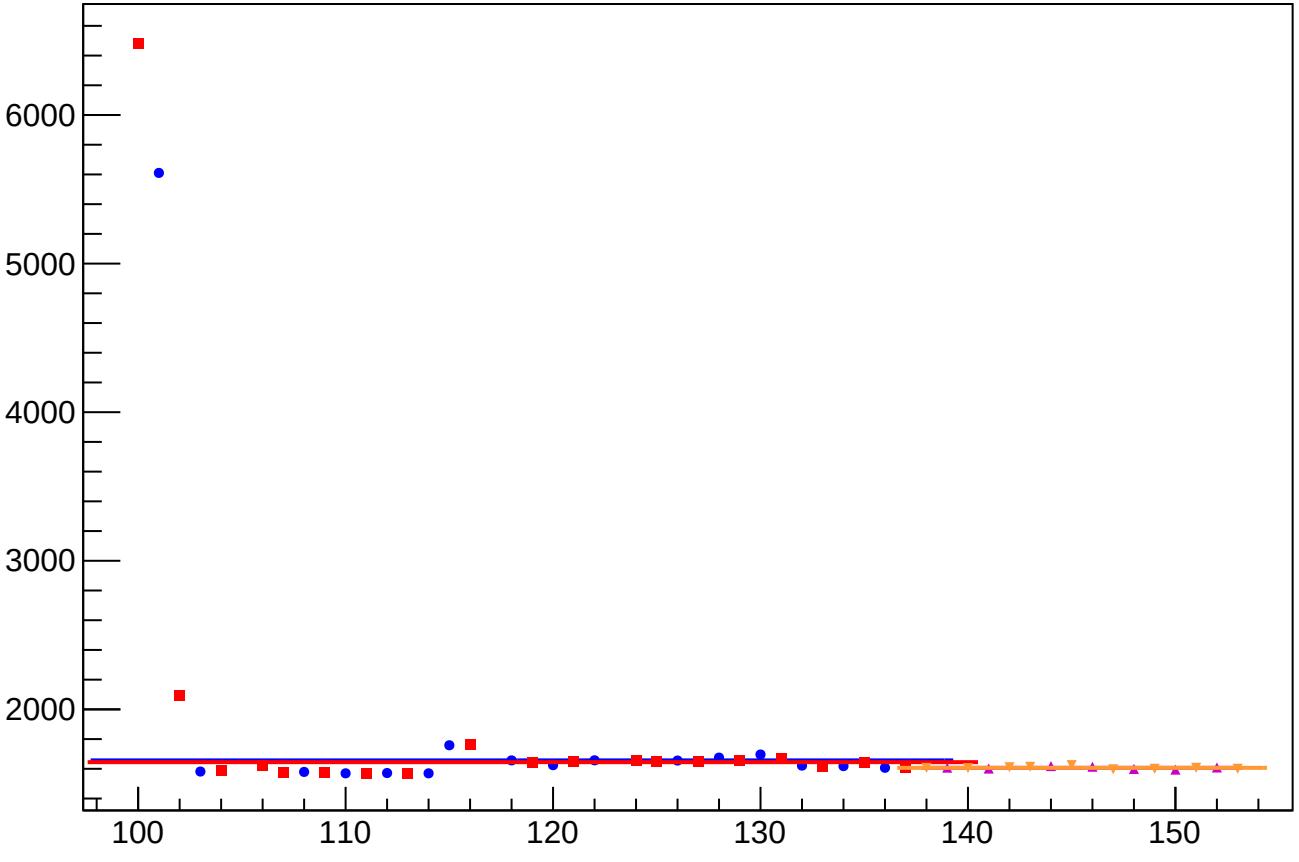
Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2806.116+/-451.908 χ^2/NDF:32.4/22

Out: 2225.617+/-429.805 χ^2/NDF:23.5/27

All: 2501.323+/-311.439 χ^2/NDF: 56.8/50

eigen_cor_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1606.595+/-0.429 χ^2/NDF:354.4/8

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1606.438+/-0.458 χ^2/NDF:301.4/6

Left: 1606.522+/-0.313 χ^2/NDF: 655.8/15

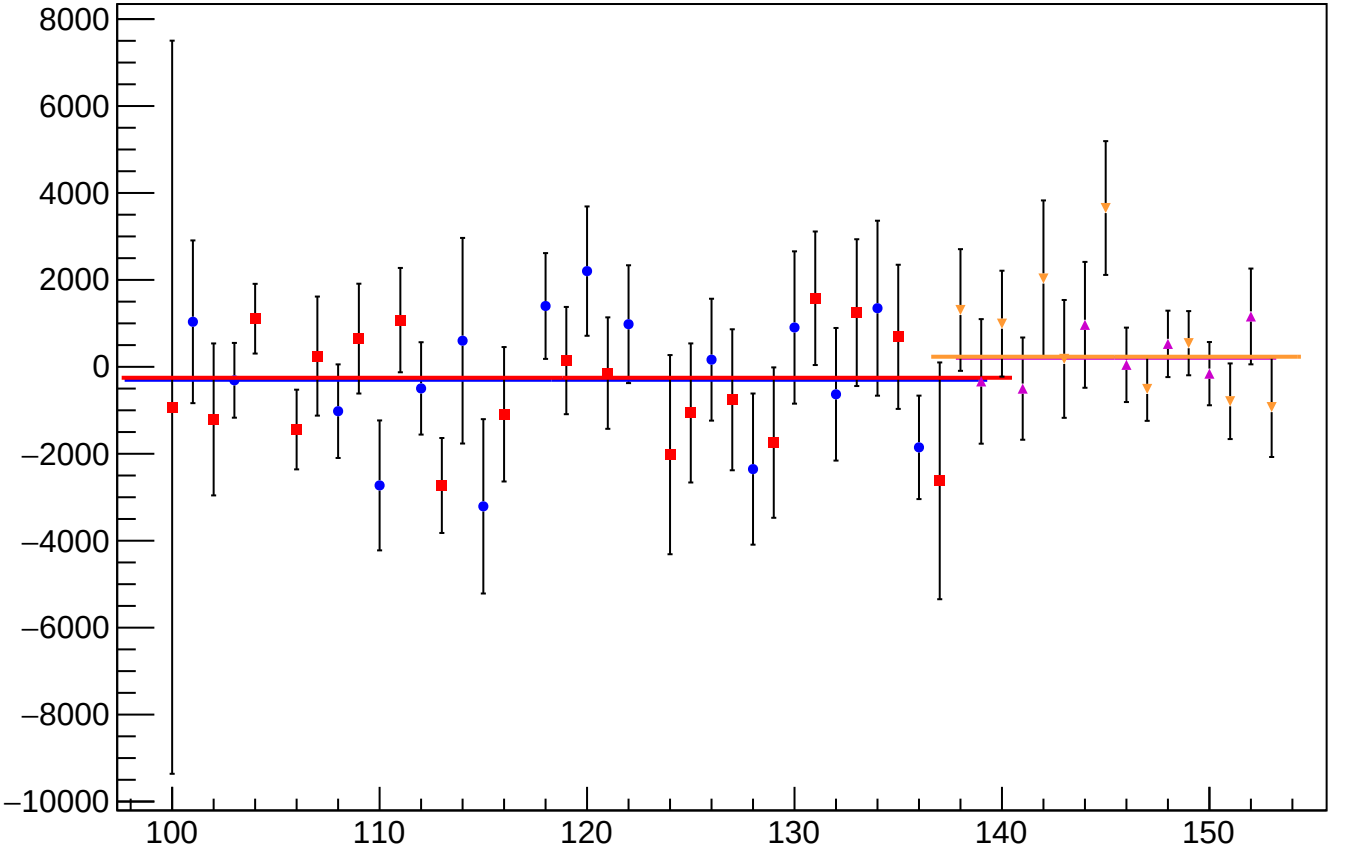
Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1632.272+/-0.320 χ^2/NDF:672703.2/22

Out: 1625.550+/-0.304 χ^2/NDF:140774.1/27

All: 1628.743+/-0.220 χ^2/NDF: 813709.6/50

asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: 232.624+/-348.560 χ^2/NDF:10.5/8

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 208.818+/-365.681 χ^2/NDF:2.0/6

Left: 221.291+/-252.305 χ^2/NDF: 12.5/15

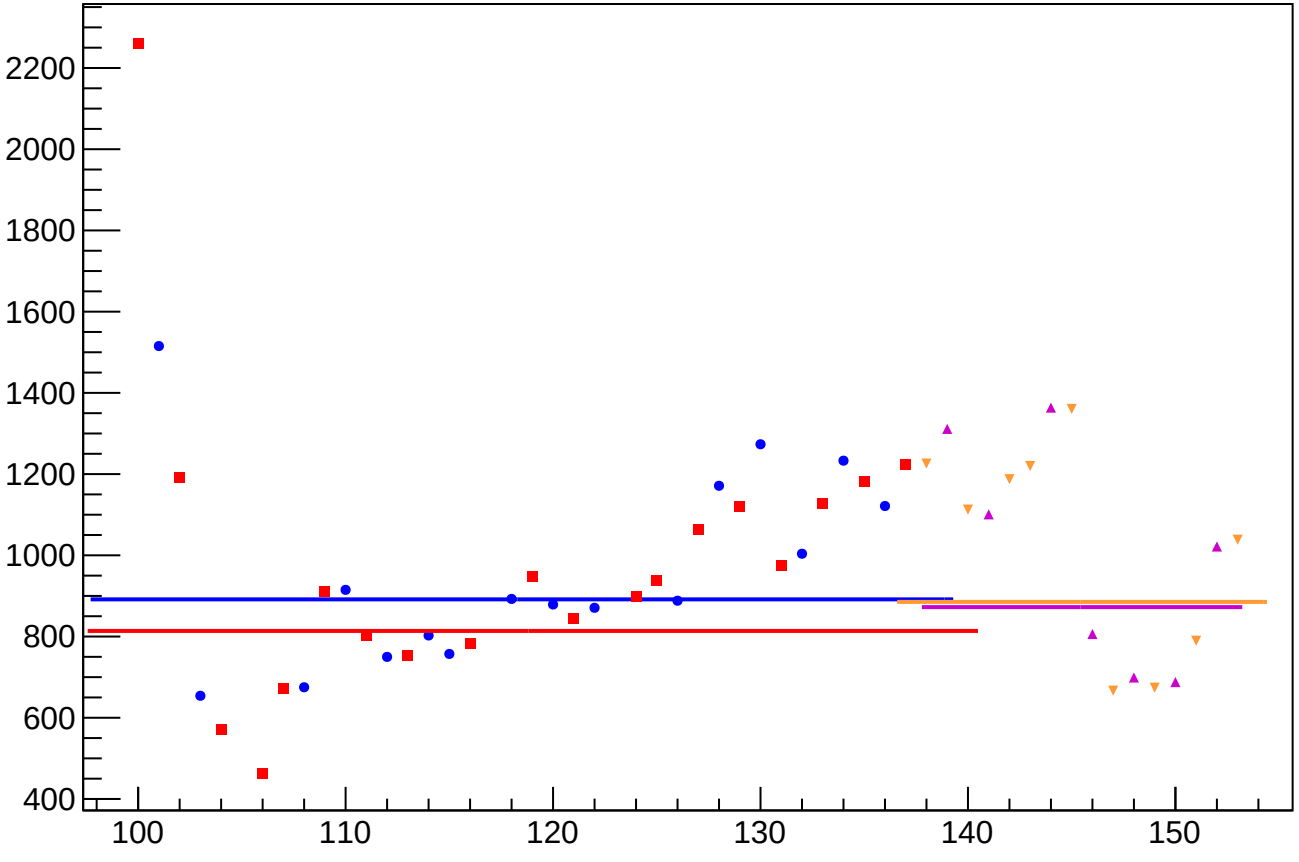
Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -60.398+/-250.323 χ^2/NDF:19.0/22

Out: -33.143+/-234.011 χ^2/NDF:28.8/27

All: -45.854+/-170.947 χ^2/NDF: 47.8/50

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: 885.303+/-0.246 χ^2/NDF:958061.5/8

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 872.470+/-0.259 χ^2/NDF:773695.3/6

Left: 879.194+/-0.178 χ^2/NDF: 1733047.4/15

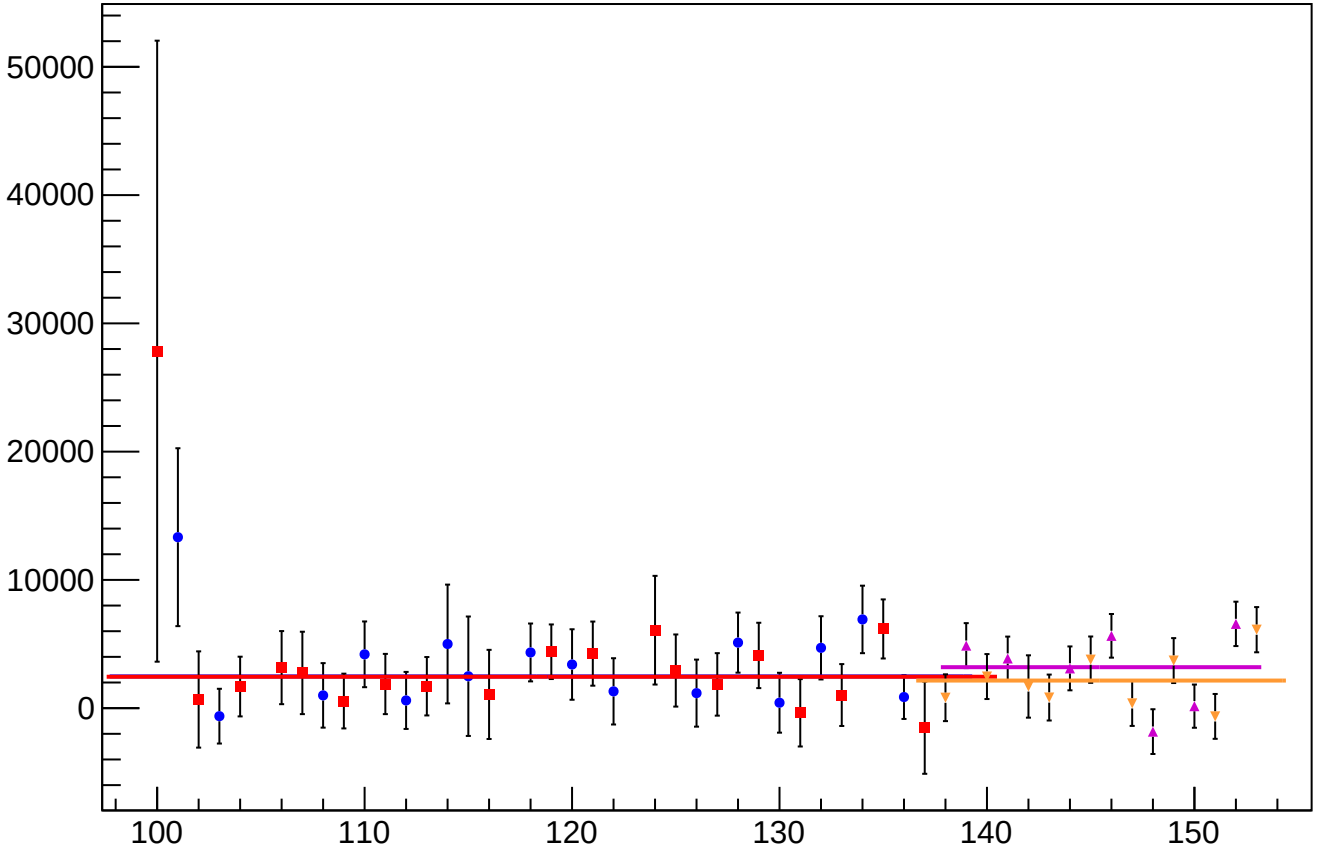
Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 882.600+/-0.177 χ^2/NDF:1570240.8/22

Out: 846.032+/-0.165 χ^2/NDF:2057272.2/27

All: 863.086+/-0.121 χ^2/NDF: 3650288.9/50

dit_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2152.971+/-607.093 χ^2/NDF:11.4/8

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 3195.580+/-649.288 χ^2/NDF:18.5/6

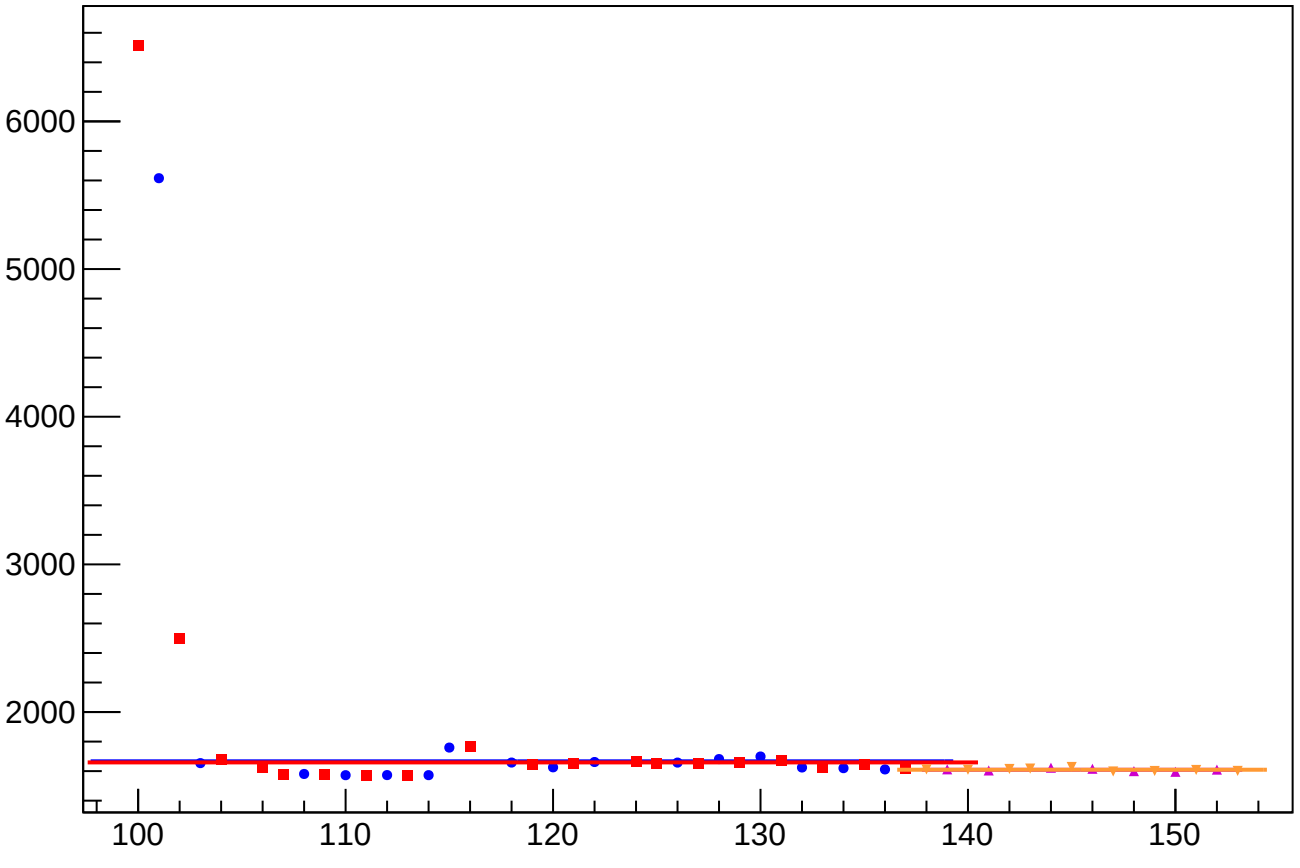
Left: 2639.299+/-443.447 χ^2/NDF: 31.3/15

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2826.748+/-453.565 χ^2/NDF:33.3/22

Out: 2298.488+/-432.923 χ^2/NDF:22.1/27

All: 2550.324+/-313.166 χ^2/NDF: 56.1/50



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1609.400+/-0.429 χ^2/NDF:444.2/8

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

Left In: 1608.768+/-0.459 χ^2/NDF:371.2/6

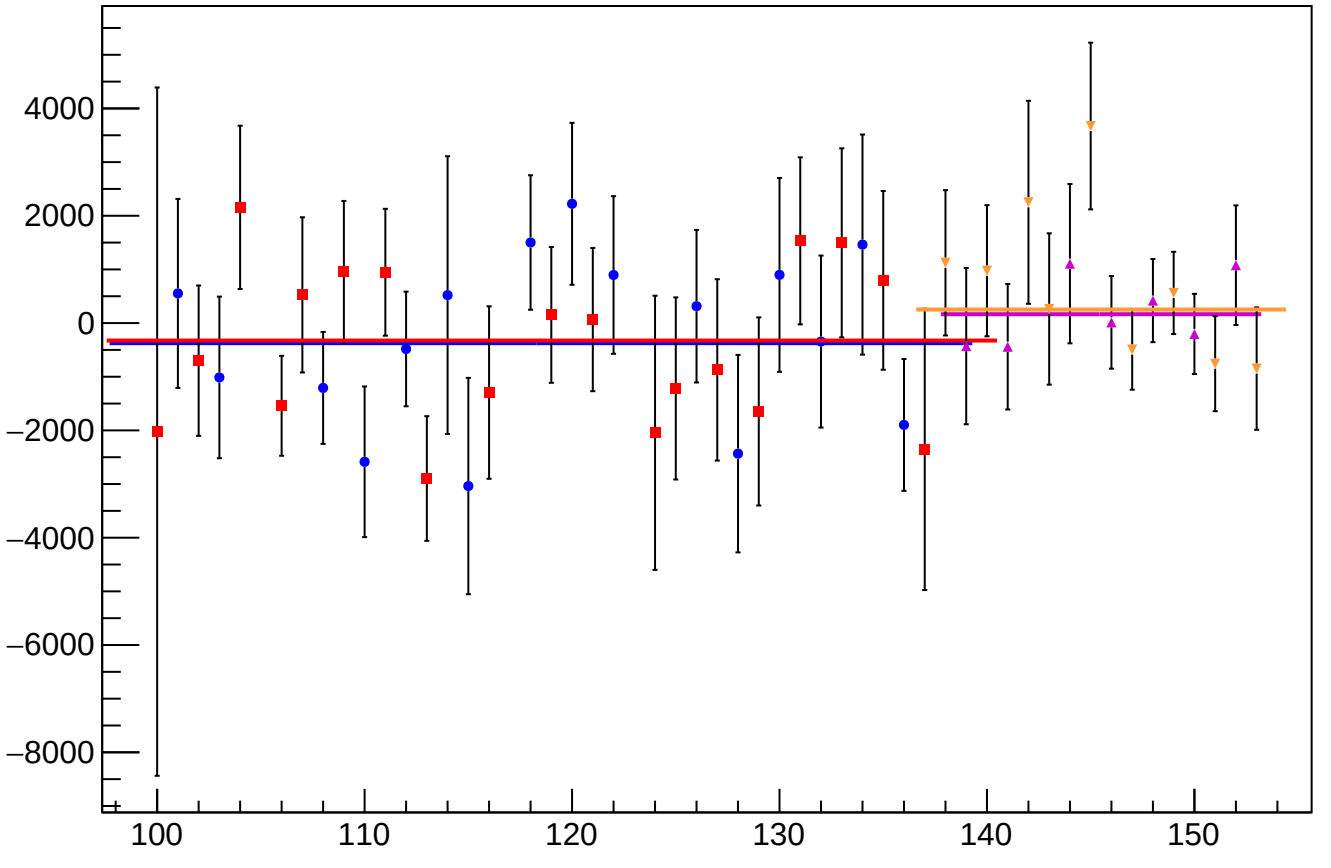
Left: 1609.105+/-0.314 χ^2/NDF: 816.4/15

Right: 1662.606+/-0.313 χ^2/NDF: 856277.9/34

In: 1638.276+/-0.321 χ^2/NDF:671353.7/22

Out: 1633.779+/-0.306 χ^2/NDF:200230.4/27

All: 1635.923+/-0.221 χ^2/NDF: 871687.0/50



Right In: -374.592+/-367.944 χ^2/NDF: 15.7/15

Left Out: 252.804+/-354.878 χ^2/NDF:10.1/8

Right Out: -325.671+/-340.620 χ^2/NDF: 17.4/18

Left In: 165.206+/-371.180 χ^2/NDF:1.9/6

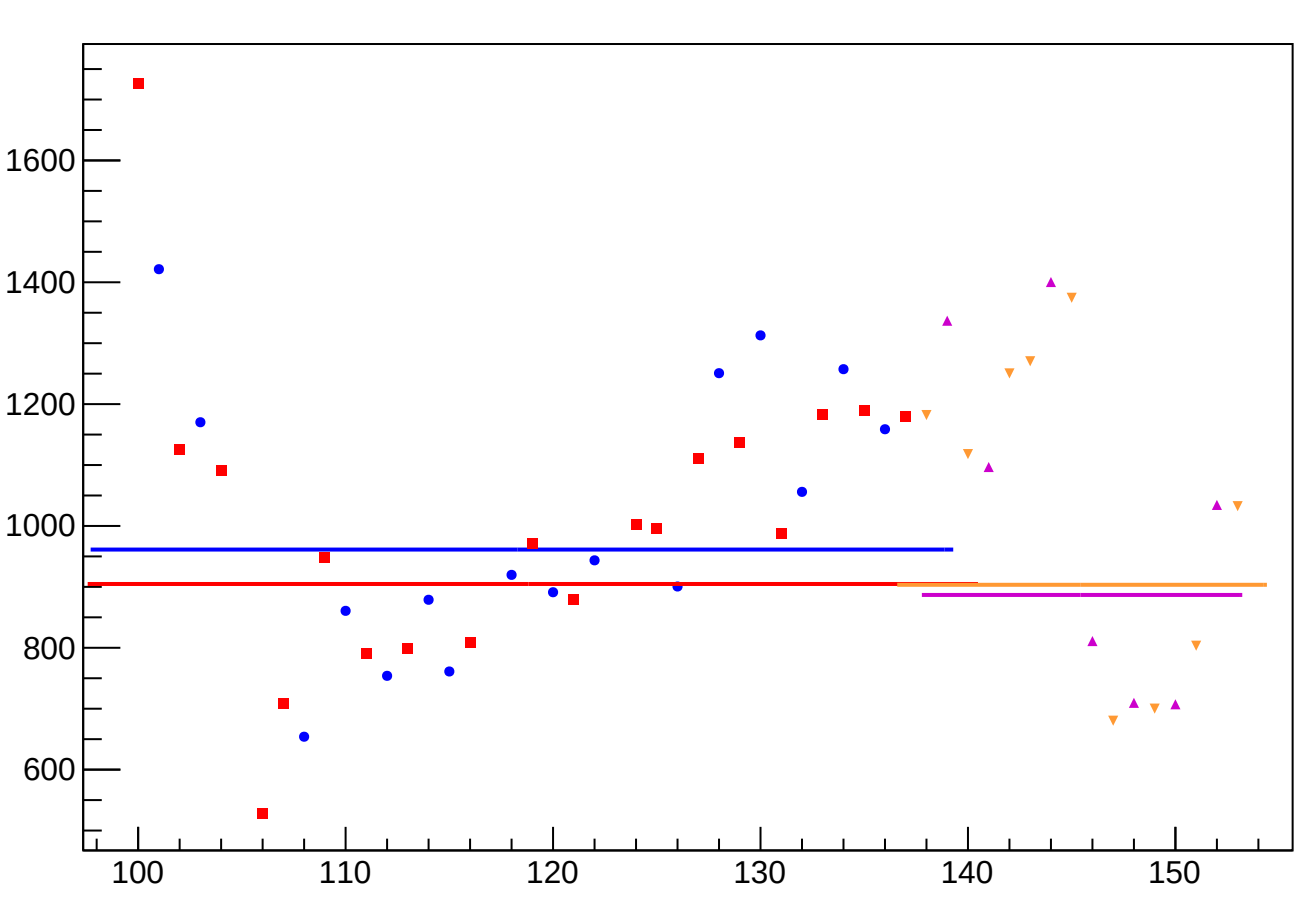
Left: 210.971+/-256.506 χ^2/NDF: 12.0/15

Right: -348.248+/-249.957 χ^2/NDF: 33.1/34

In: -107.056+/-261.312 χ^2/NDF:18.7/22

Out: -48.287+/-245.741 χ^2/NDF:28.9/27

All: -75.869+/-179.017 χ^2/NDF: 47.6/50



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 903.413+/-0.251 χ^2/NDF:902342.1/8

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

Left In: 886.747+/-0.262 χ^2/NDF:765246.8/6

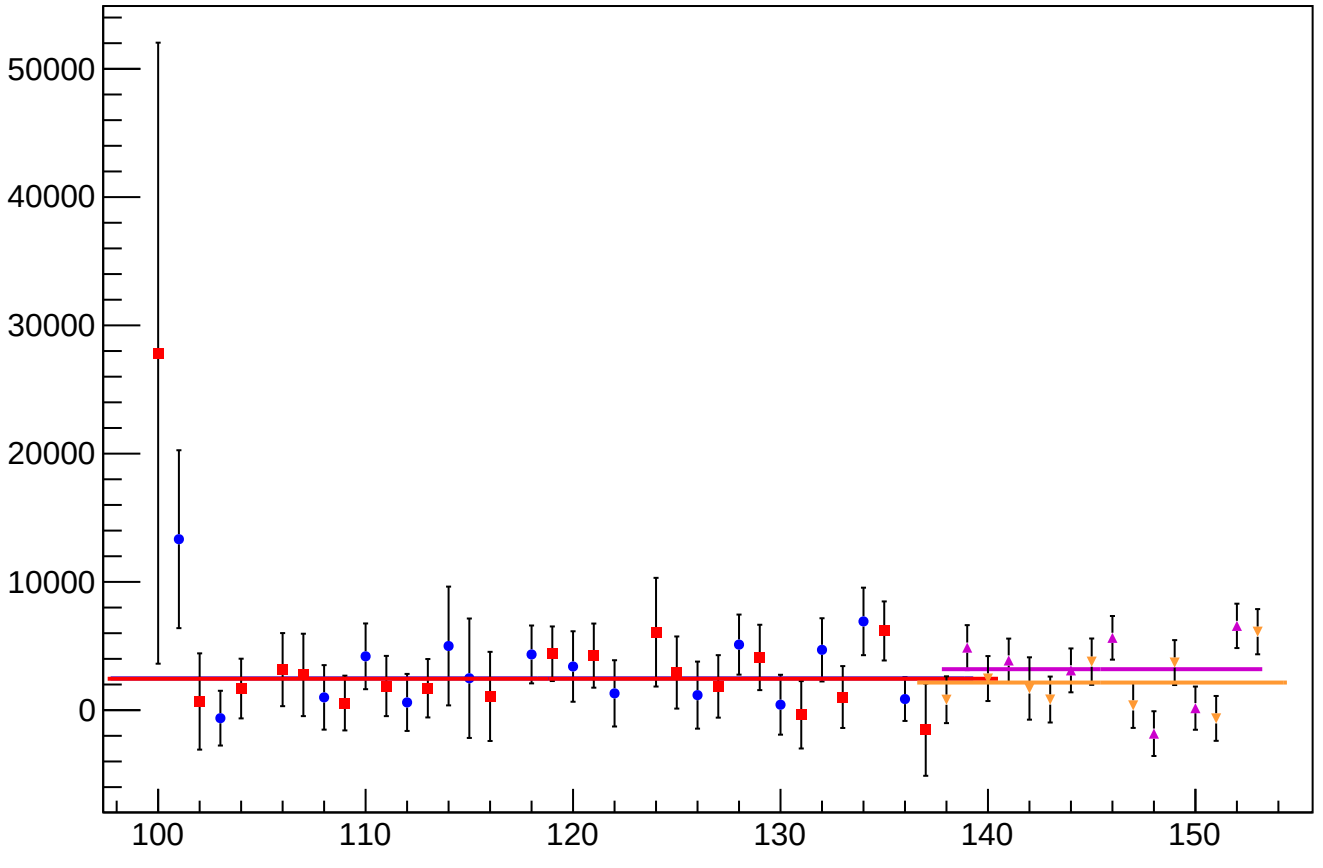
Left: 895.454+/-0.181 χ^2/NDF: 1669695.4/15

Right: 930.814+/-0.177 χ^2/NDF: 1453761.0/34

In: 924.321+/-0.185 χ^2/NDF:1497755.4/22

Out: 904.102+/-0.174 χ^2/NDF:1638841.3/27

All: 913.591+/-0.127 χ^2/NDF: 3142950.9/50



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2152.972+/-607.093 χ^2/NDF:11.4/8

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 3195.581+/-649.288 χ^2/NDF:18.5/6

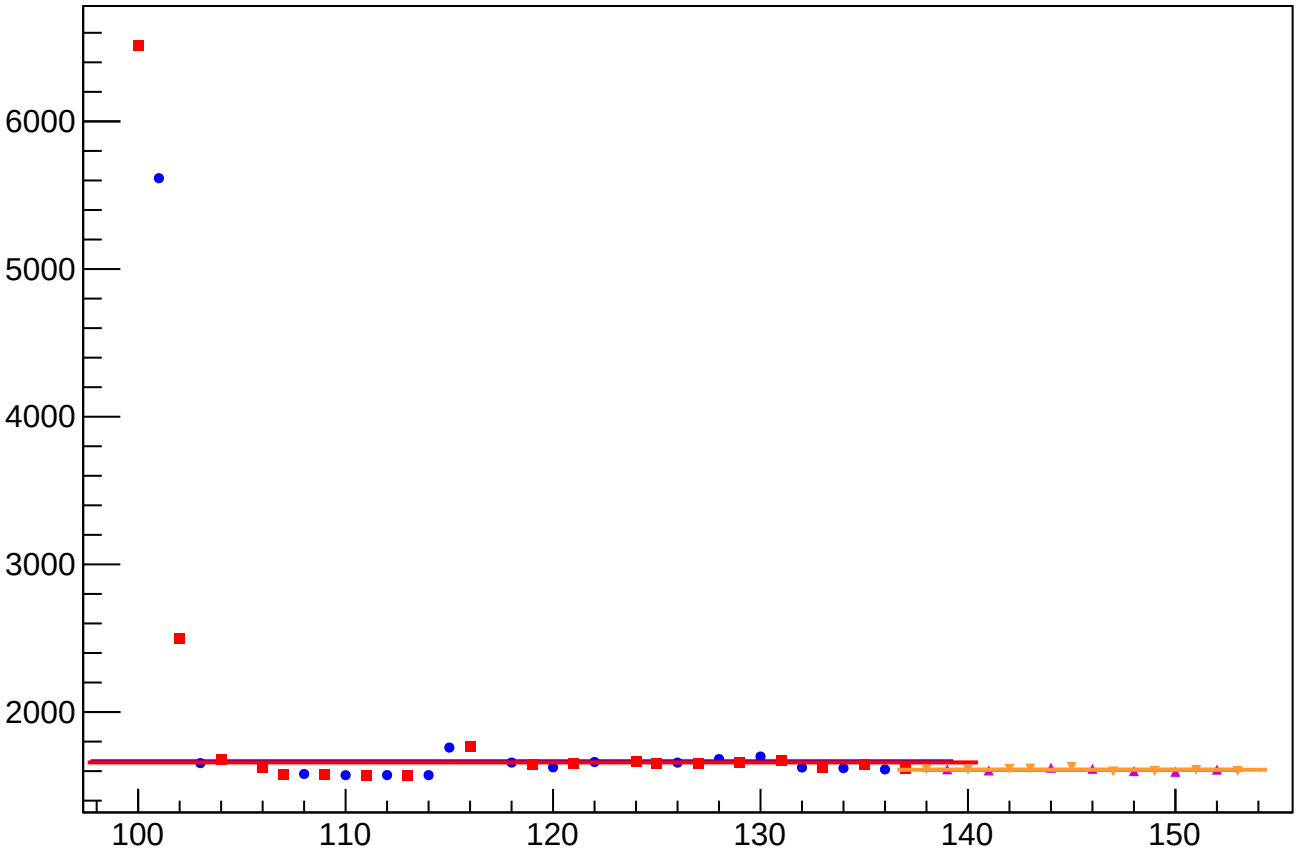
Left: 2639.300+/-443.447 χ^2/NDF: 31.3/15

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2826.748+/-453.565 χ^2/NDF:33.3/22

Out: 2298.489+/-432.923 χ^2/NDF:22.1/27

All: 2550.324+/-313.166 χ^2/NDF: 56.1/50



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1609.400+/-0.429 χ^2/NDF:444.2/8

Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1608.768+/-0.459 χ^2/NDF:371.2/6

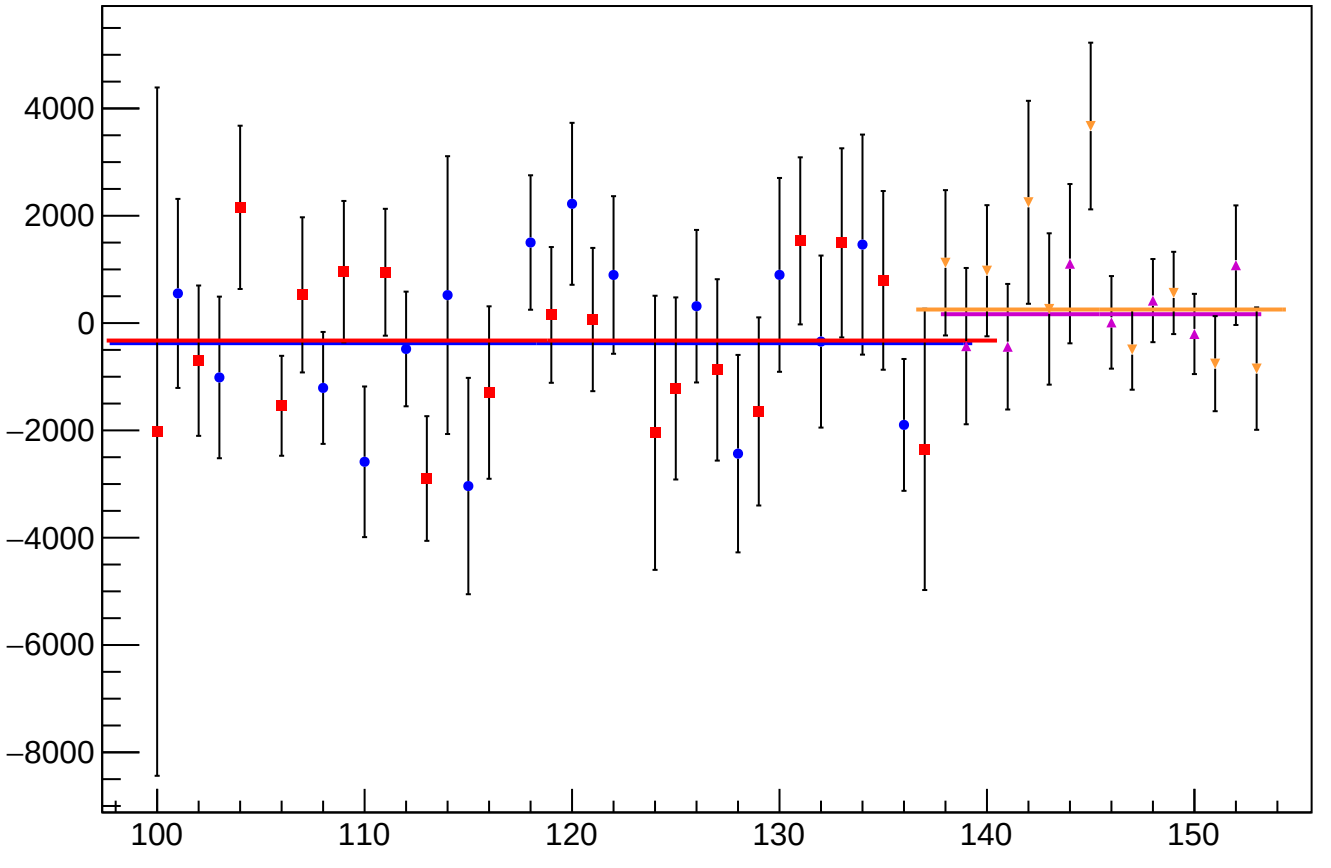
Left: 1609.105+/-0.314 χ^2/NDF: 816.4/15

Right: 1662.606+/-0.313 χ^2/NDF: 856277.7/34

In: 1638.276+/-0.321 χ^2/NDF:671353.7/22

Out: 1633.779+/-0.306 χ^2/NDF:200230.2/27

All: 1635.923+/-0.221 χ^2/NDF: 871686.8/50



Right In: -374.590+/-367.943 χ^2/NDF: 15.7/15

Left Out: 252.803+/-354.879 χ^2/NDF:10.1/8

Right Out: -325.670+/-340.619 χ^2/NDF: 17.4/18

Left In: 165.207+/-371.181 χ^2/NDF:1.9/6

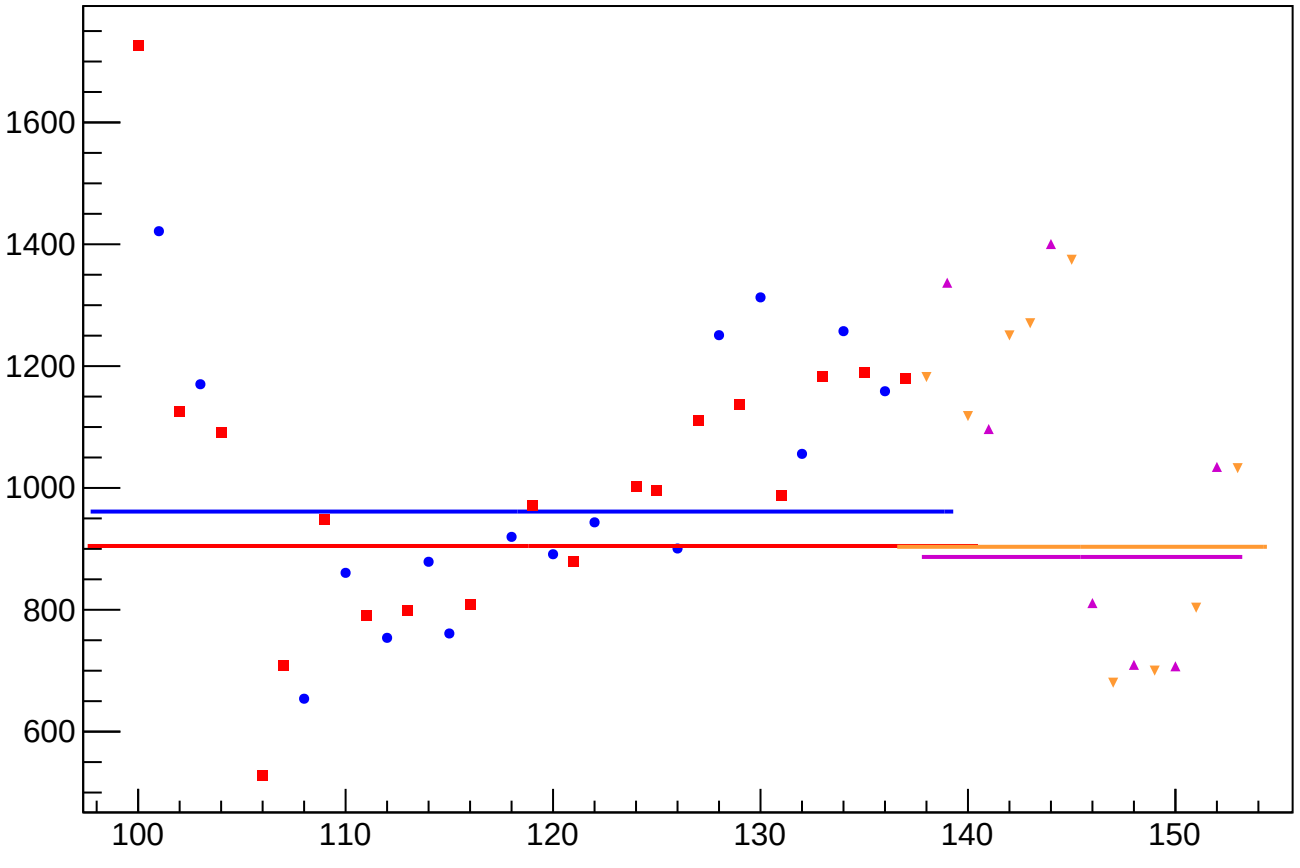
Left: 210.971+/-256.507 χ^2/NDF: 12.0/15

Right: -348.247+/-249.956 χ^2/NDF: 33.1/34

In: -107.056+/-261.312 χ^2/NDF:18.7/22

Out: -48.289+/-245.741 χ^2/NDF:28.9/27

All: -75.869+/-179.017 χ^2/NDF: 47.6/50



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 903.415+/-0.251 χ^2/NDF:902343.4/8

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

Left In: 886.748+/-0.262 χ^2/NDF:765248.4/6

Left: 895.456+/-0.181 χ^2/NDF: 1669698.3/15

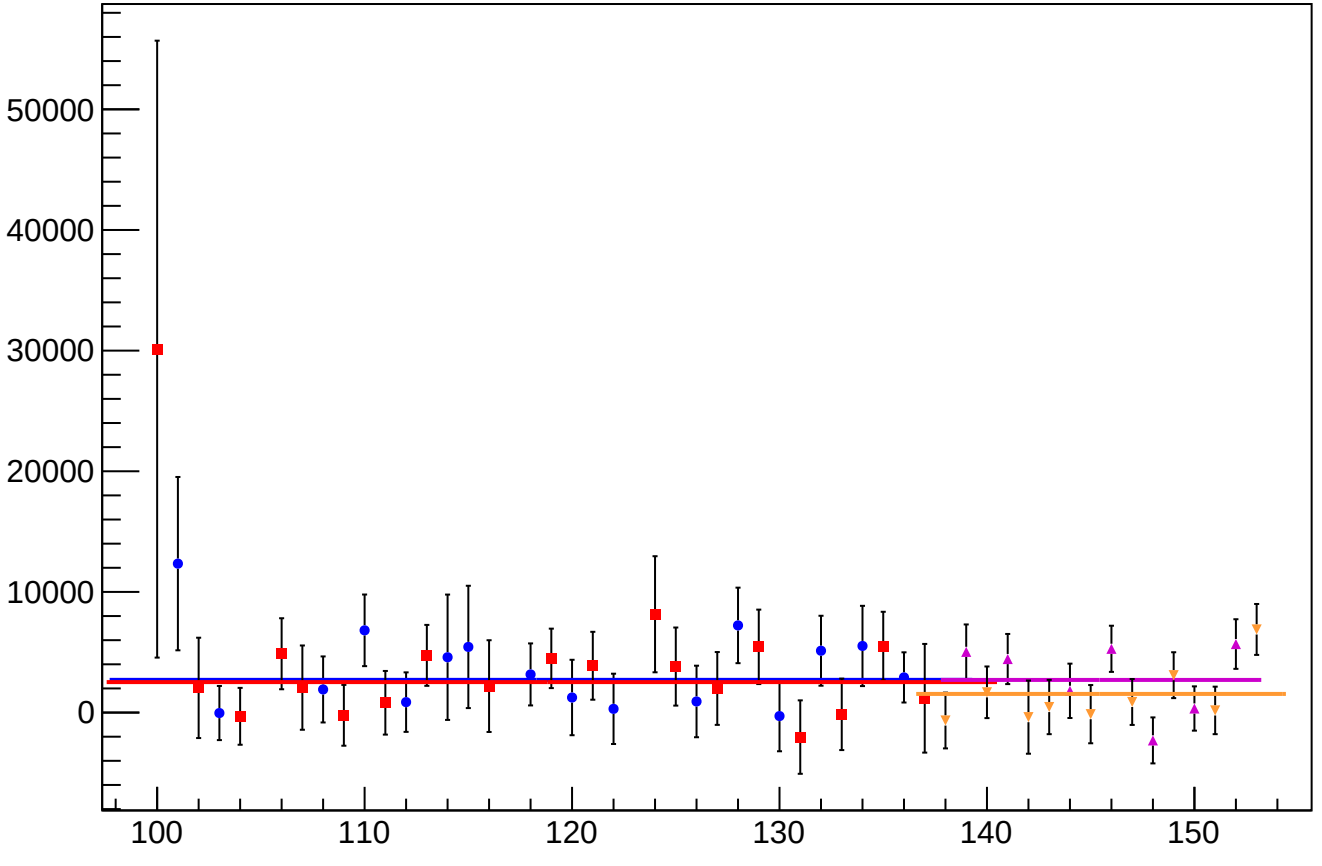
Right: 930.811+/-0.177 χ^2/NDF: 1453765.4/34

In: 924.320+/-0.185 χ^2/NDF:1497758.9/22

Out: 904.101+/-0.174 χ^2/NDF:1638840.0/27

All: 913.590+/-0.127 χ^2/NDF: 3142952.9/50

asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 1544.837+/-721.964 χ^2/NDF:9.7/8

Right Out: 2525.536+/-706.449 χ^2/NDF: 13.2/18

Left In: 2705.073+/-766.023 χ^2/NDF:14.4/6

Left: 2090.630+/-525.391 χ^2/NDF: 25.3/15

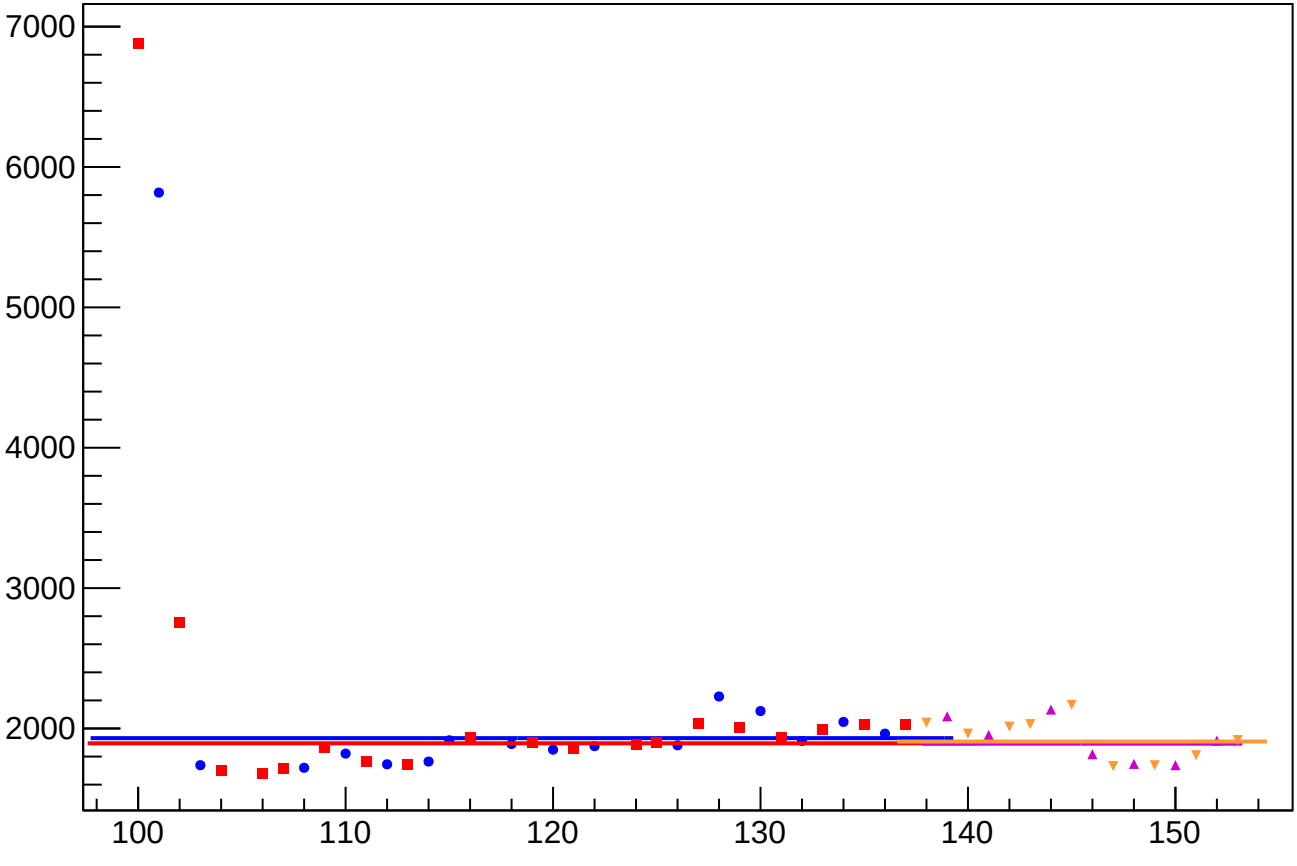
Right: 2614.774+/-509.359 χ^2/NDF: 25.4/34

In: 2708.364+/-530.385 χ^2/NDF:26.5/22

Out: 2045.837+/-504.931 χ^2/NDF:23.9/27

All: 2360.821+/-365.708 χ^2/NDF: 51.2/50

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1907.001+/-0.511 χ^2/NDF:77915.4/8

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

Left In: 1891.684+/-0.542 χ^2/NDF:68496.5/6

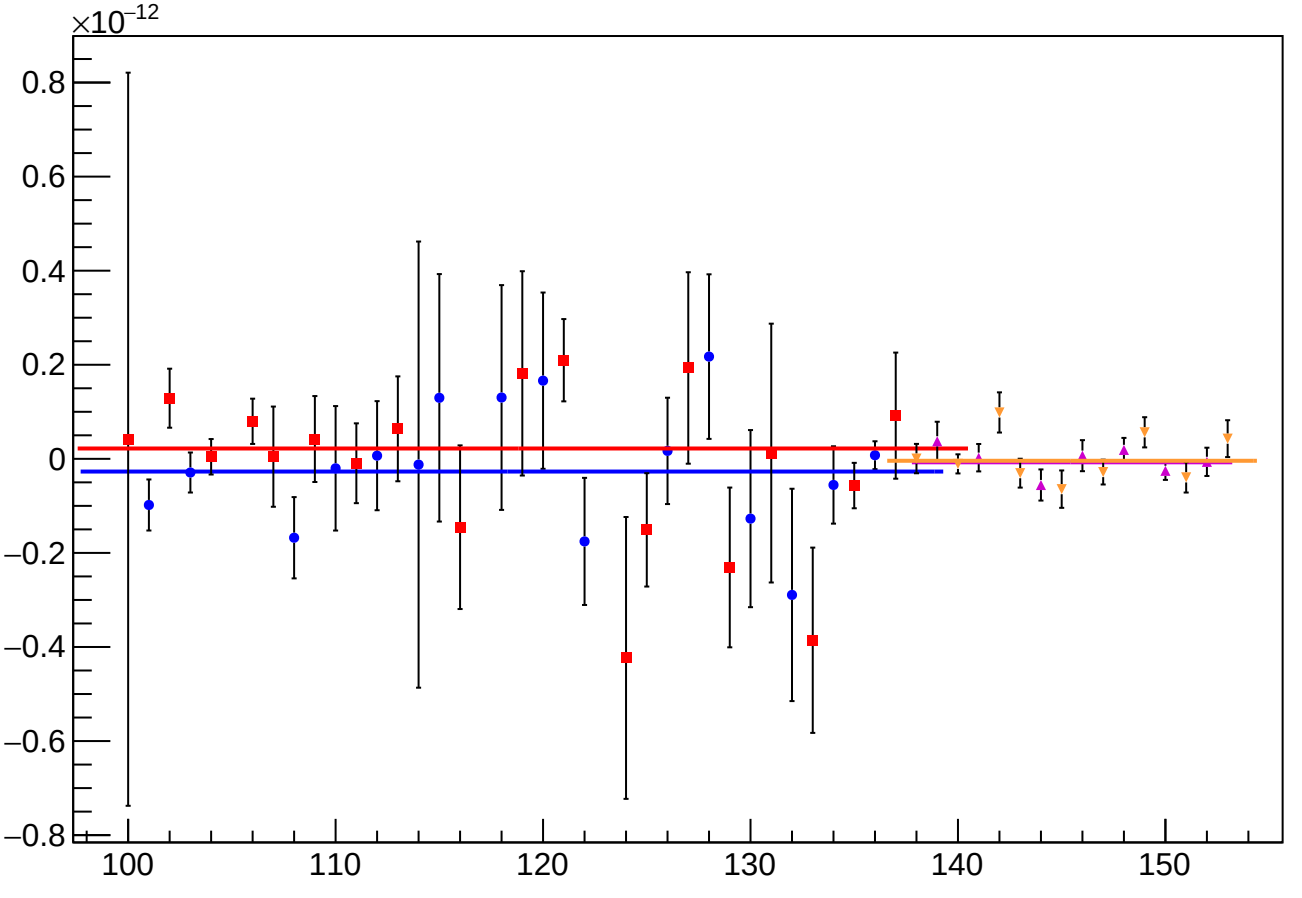
Left: 1899.796+/-0.372 χ^2/NDF: 146835.3/15

Right: 1912.067+/-0.360 χ^2/NDF: 884388.3/34

In: 1912.282+/-0.375 χ^2/NDF:732501.3/22

Out: 1900.538+/-0.357 χ^2/NDF:298770.3/27

All: 1906.121+/-0.259 χ^2/NDF: 1031786.0/50



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.0/8

Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: -0.000+/-0.000 χ^2/NDF:5.5/6

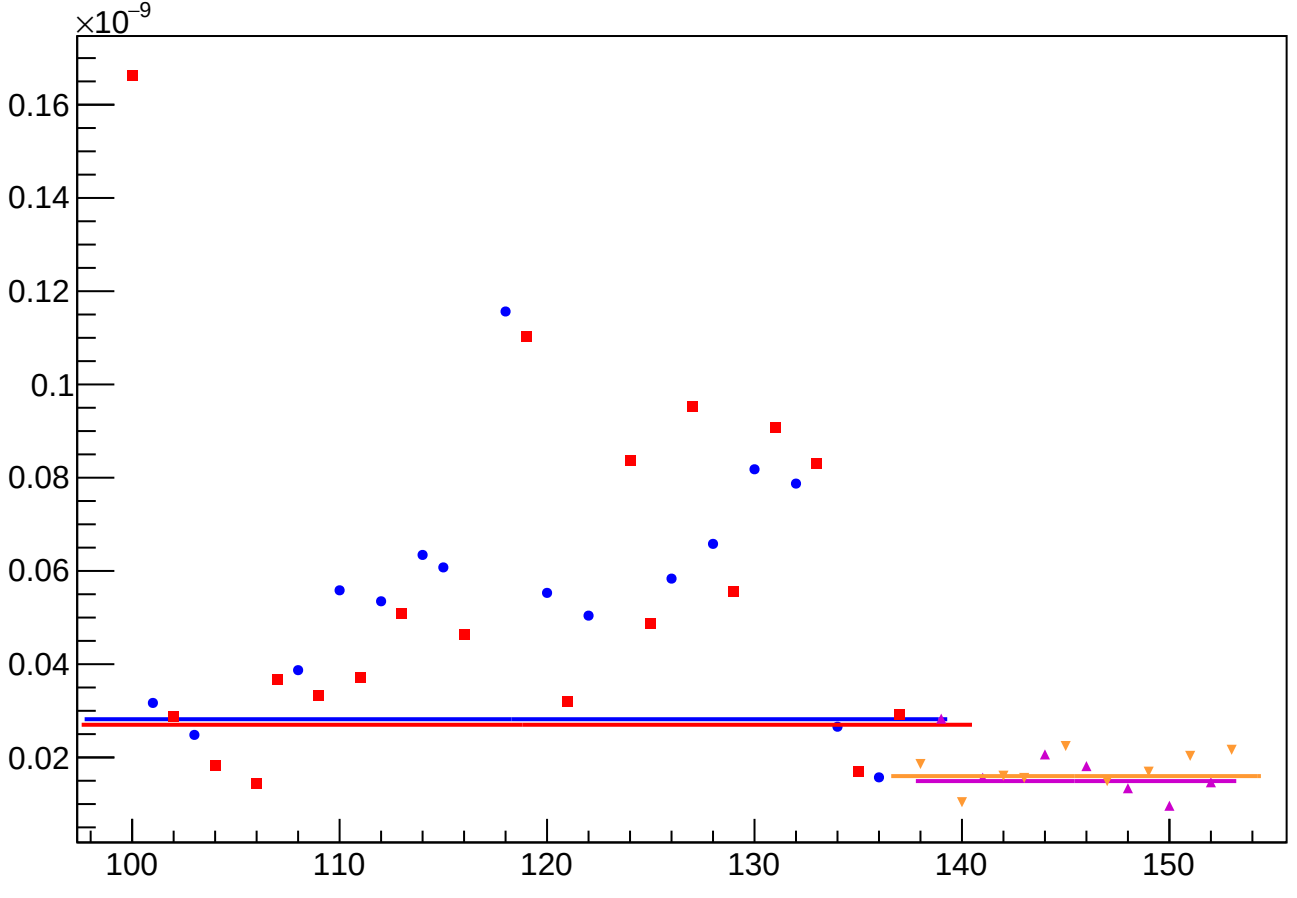
Left: -0.000+/-0.000 χ^2/NDF: 21.5/15

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: -0.000+/-0.000 χ^2/NDF:19.1/22

Out: 0.000+/-0.000 χ^2/NDF:42.8/27

All: -0.000+/-0.000 χ^2/NDF: 63.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:301524.8/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

Left In: 0.000+/-0.000 χ^2/NDF:444596.7/6

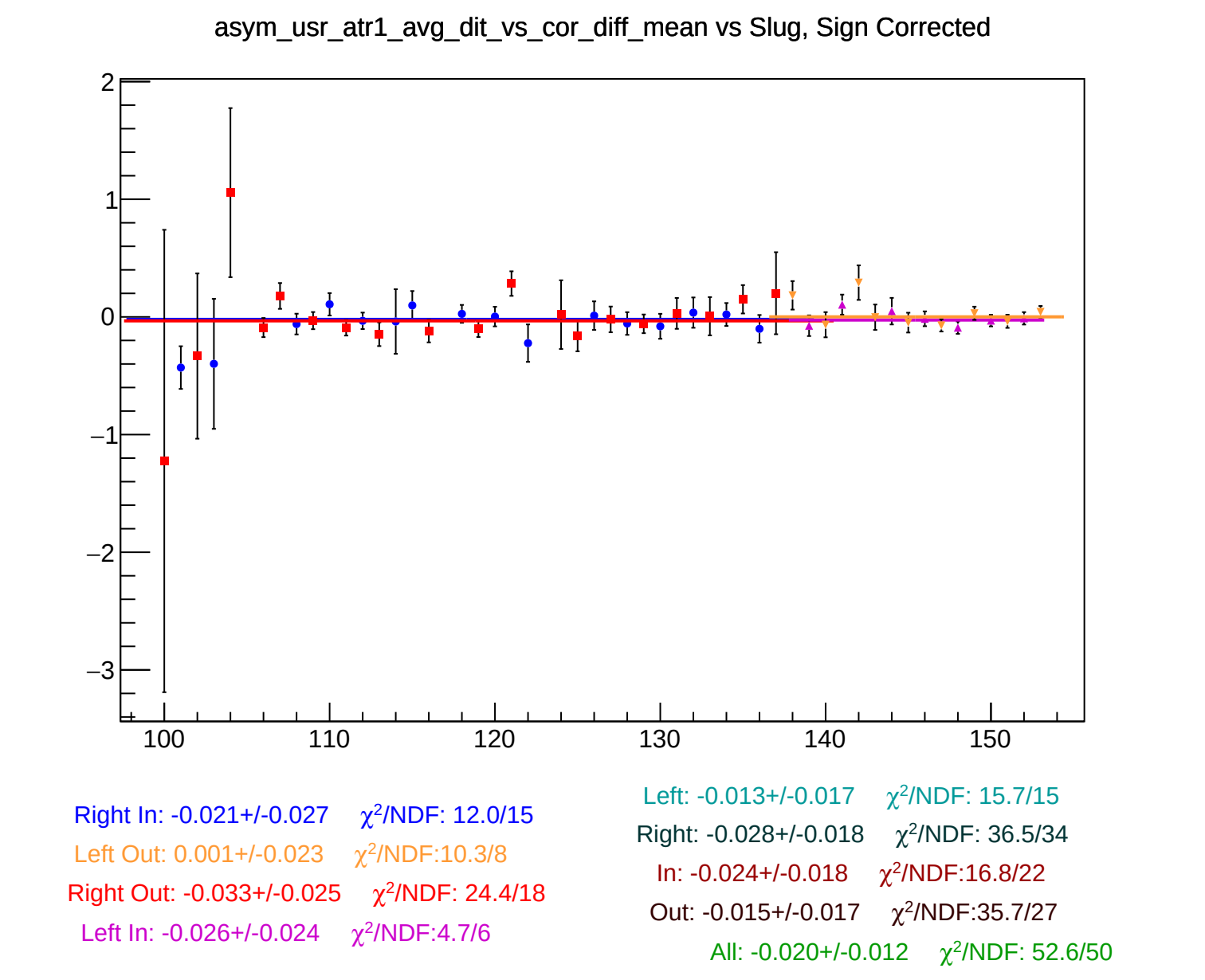
Left: 0.000+/-0.000 χ^2/NDF: 756723.4/15

Right: 0.000+/-0.000 χ^2/NDF: 3050538.0/34

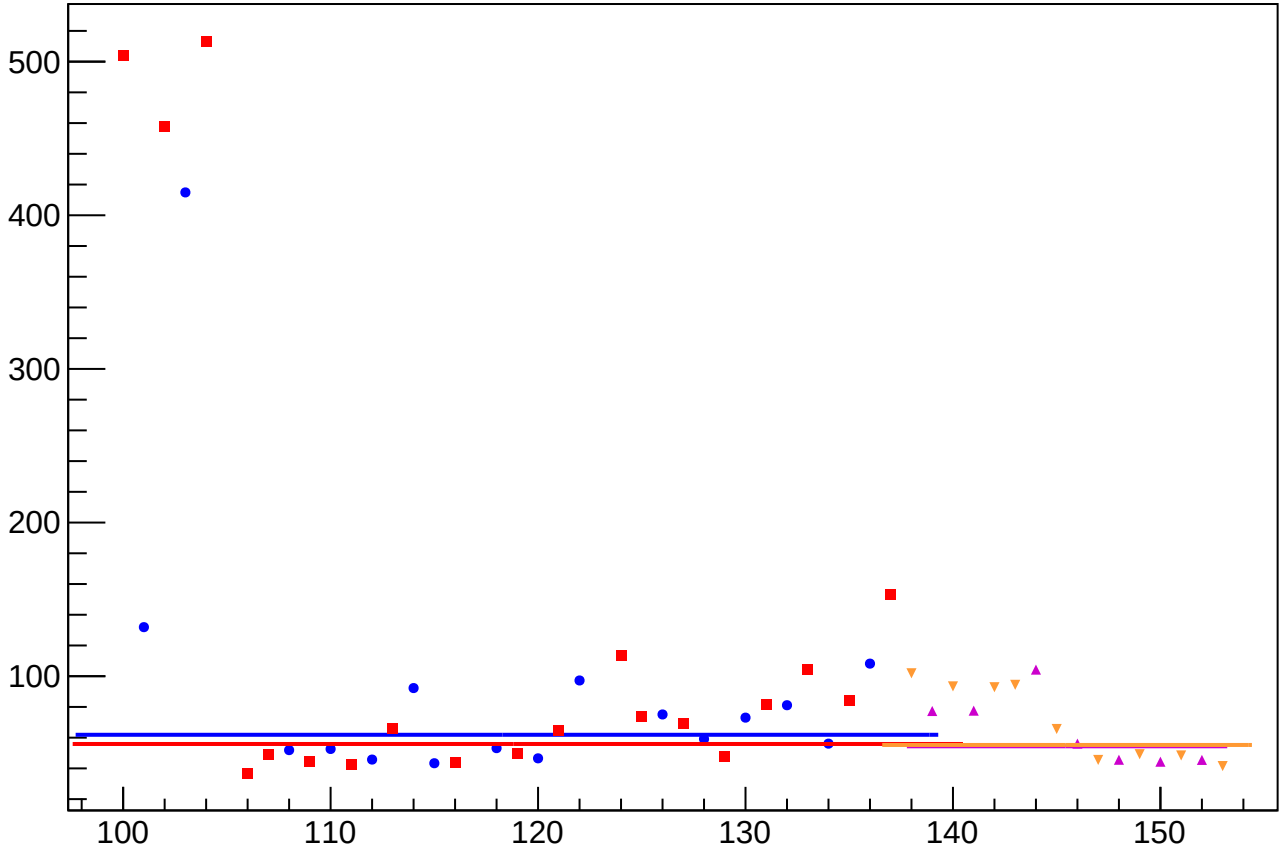
In: 0.000+/-0.000 χ^2/NDF:2669535.9/22

Out: 0.000+/-0.000 χ^2/NDF:2364920.7/27

All: 0.000+/-0.000 χ^2/NDF: 5035803.7/50


asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
110
120
130
140
150
Right In: -0.021+/-0.027 χ²/NDF: 12.0/15
Left Out: 0.001+/-0.023 χ²/NDF:10.3/8
Right Out: -0.033+/-0.025 χ²/NDF: 24.4/18
Left In: -0.026+/-0.024 χ²/NDF:4.7/6
Left: -0.013+/-0.017 χ²/NDF: 15.7/15
Right: -0.028+/-0.018 χ²/NDF: 36.5/34
In: -0.024+/-0.018 χ²/NDF:16.8/22
Out: -0.015+/-0.017 χ²/NDF:35.7/27
All: -0.020+/-0.012 χ²/NDF: 52.6/50

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 55.252+/-0.017 χ^2/NDF:1247301.3/8

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 54.383+/-0.017 χ^2/NDF:871259.4/6

Left: 54.829+/-0.012 χ^2/NDF: 2119904.6/15

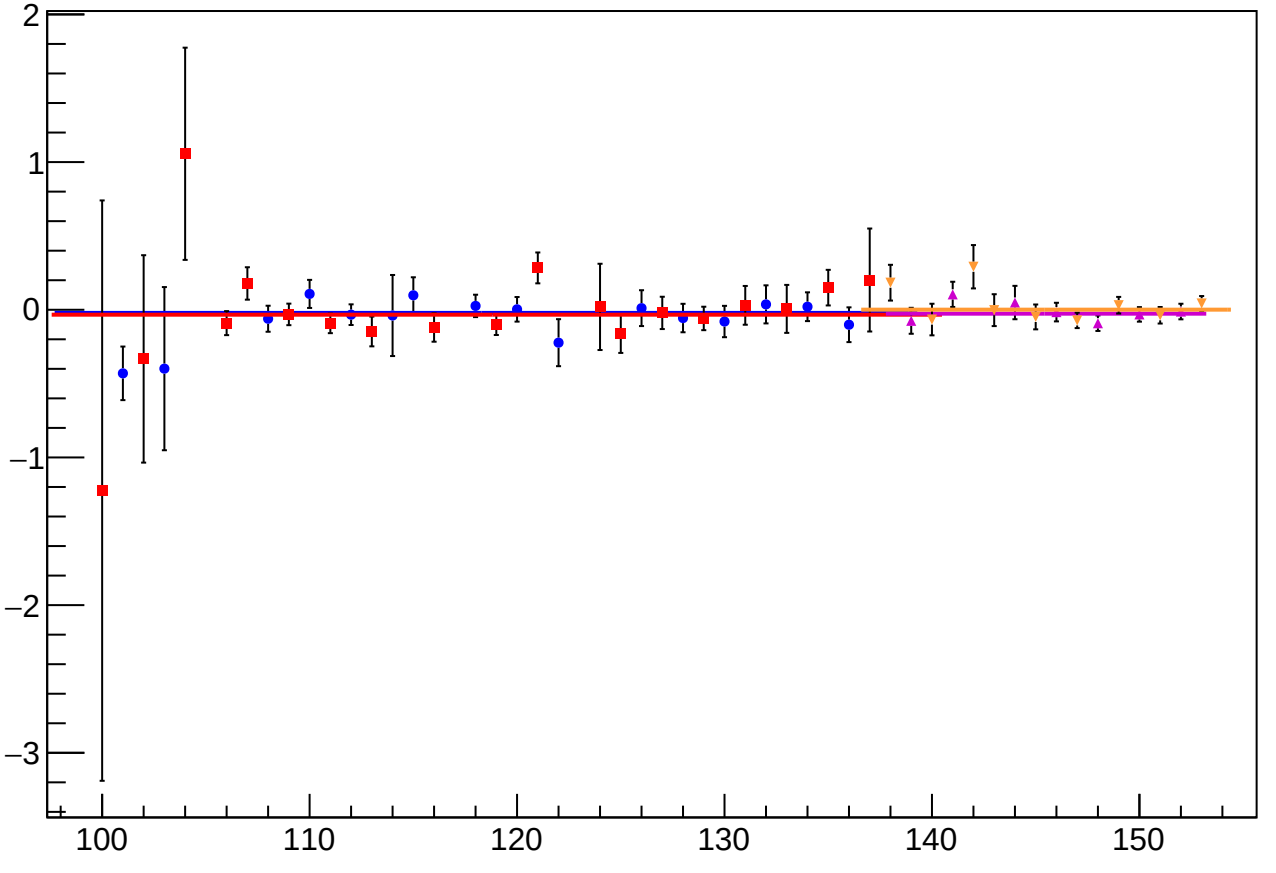
Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 57.754+/-0.013 χ^2/NDF:2896791.5/22

Out: 55.554+/-0.012 χ^2/NDF:3839276.5/27

All: 56.600+/-0.009 χ^2/NDF: 6752082.6/50

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: 0.001+/-0.023 χ^2/NDF:10.3/8

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.026+/-0.024 χ^2/NDF:4.7/6

Left: -0.013+/-0.017 χ^2/NDF: 15.7/15

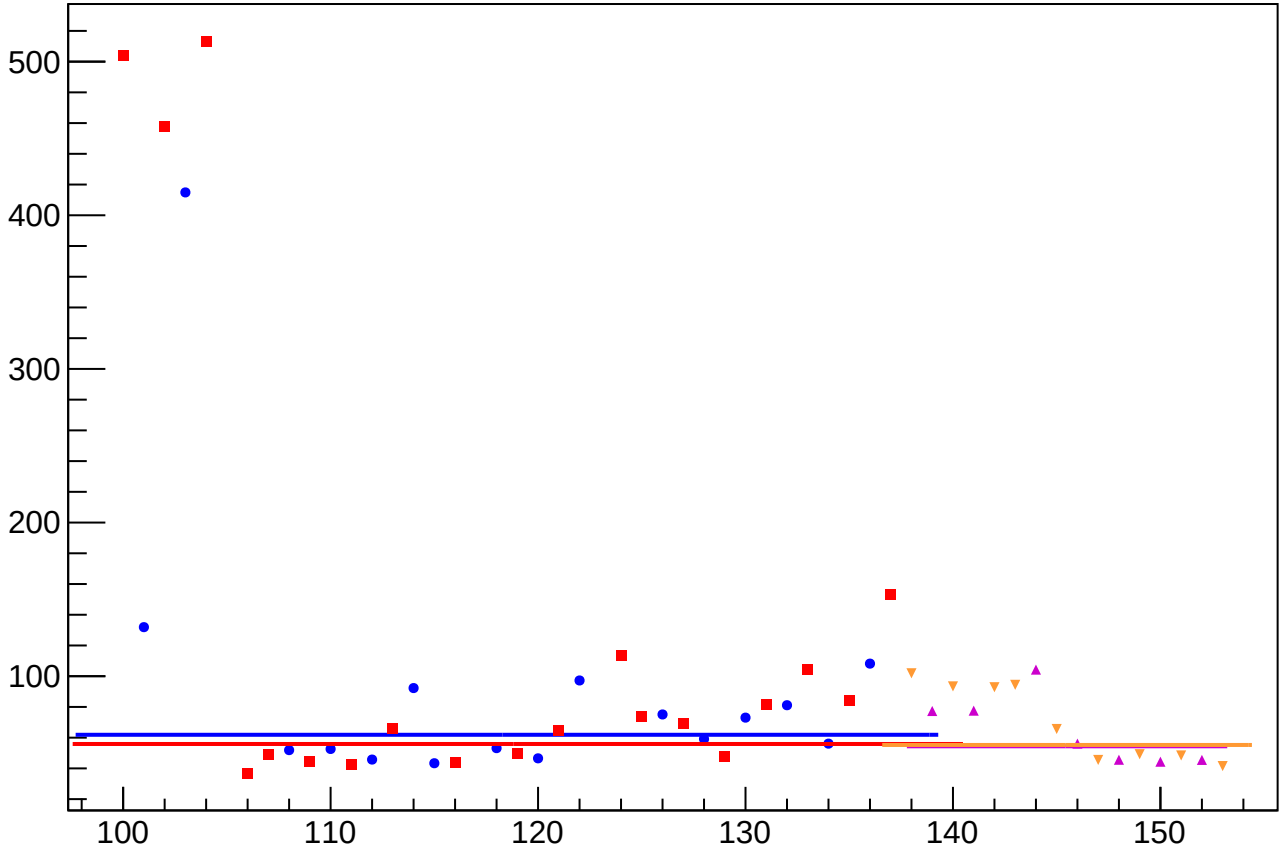
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.024+/-0.018 χ^2/NDF:16.8/22

Out: -0.015+/-0.017 χ^2/NDF:35.7/27

All: -0.020+/-0.012 χ^2/NDF: 52.6/50

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 55.252+/-0.017 χ^2/NDF:1247301.3/8

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 54.383+/-0.017 χ^2/NDF:871259.4/6

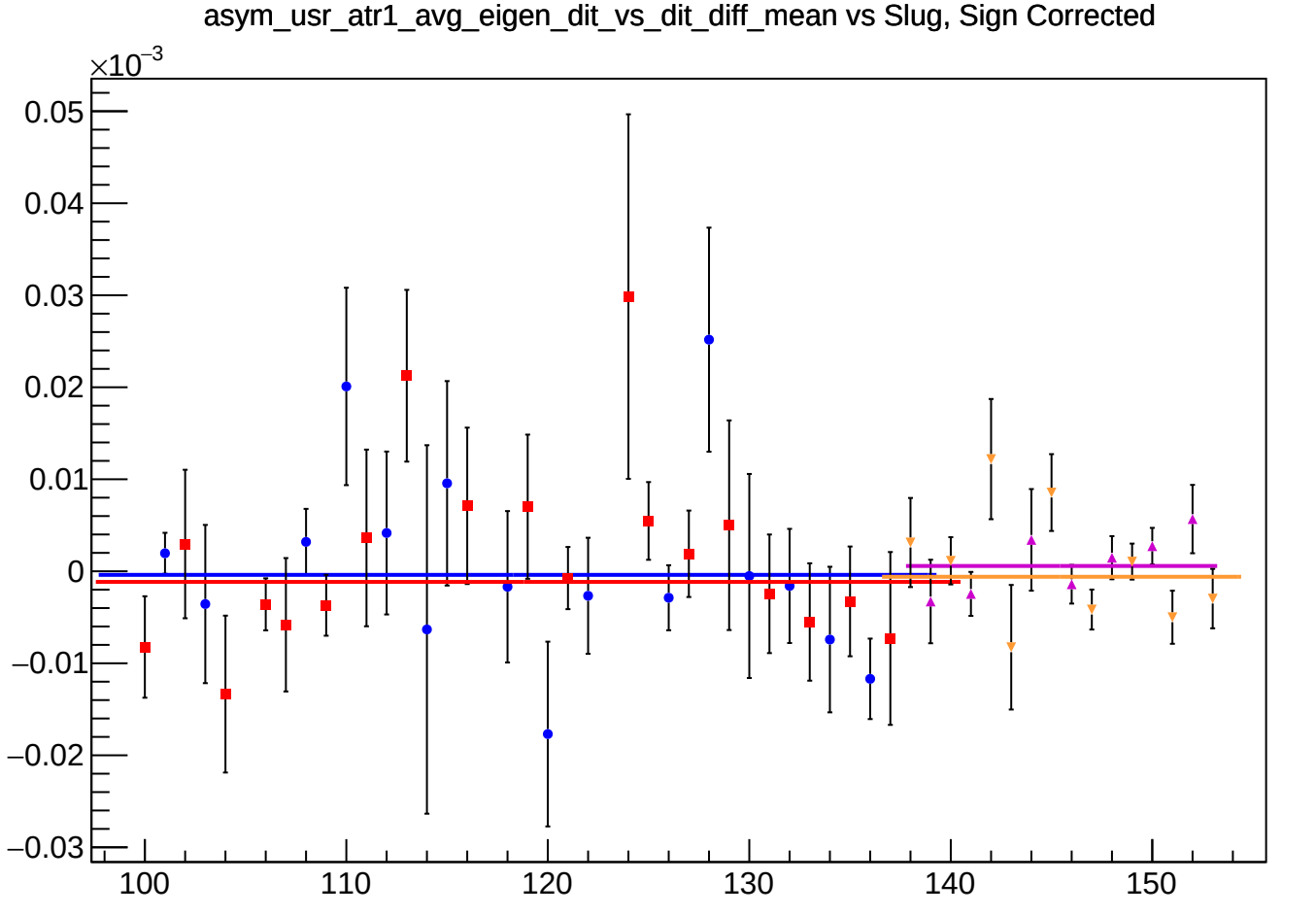
Left: 54.829+/-0.012 χ^2/NDF: 2119904.6/15

Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 57.754+/-0.013 χ^2/NDF:2896791.5/22

Out: 55.554+/-0.012 χ^2/NDF:3839276.5/27

All: 56.600+/-0.009 χ^2/NDF: 6752082.6/50



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.2/8

Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:6.7/6

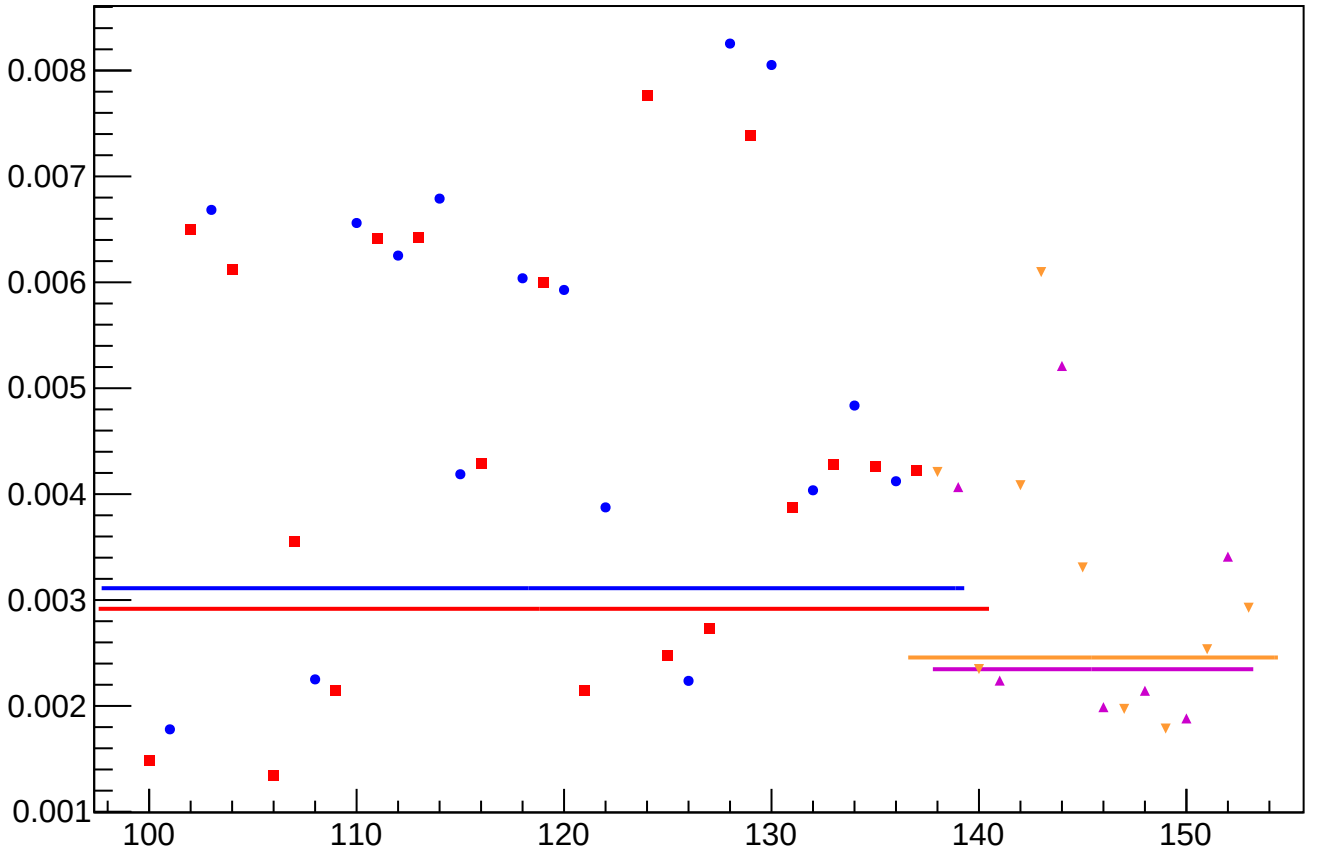
Left: -0.000+/-0.000 χ^2/NDF: 24.6/15

Right: -0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:29.6/22

Out: -0.000+/-0.000 χ^2/NDF:37.8/27

All: -0.000+/-0.000 χ^2/NDF: 68.3/50



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:1429737.5/8

Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

Left In: 0.002+/-0.000 χ^2/NDF:1174960.8/6

Left: 0.002+/-0.000 χ^2/NDF: 2616816.5/15

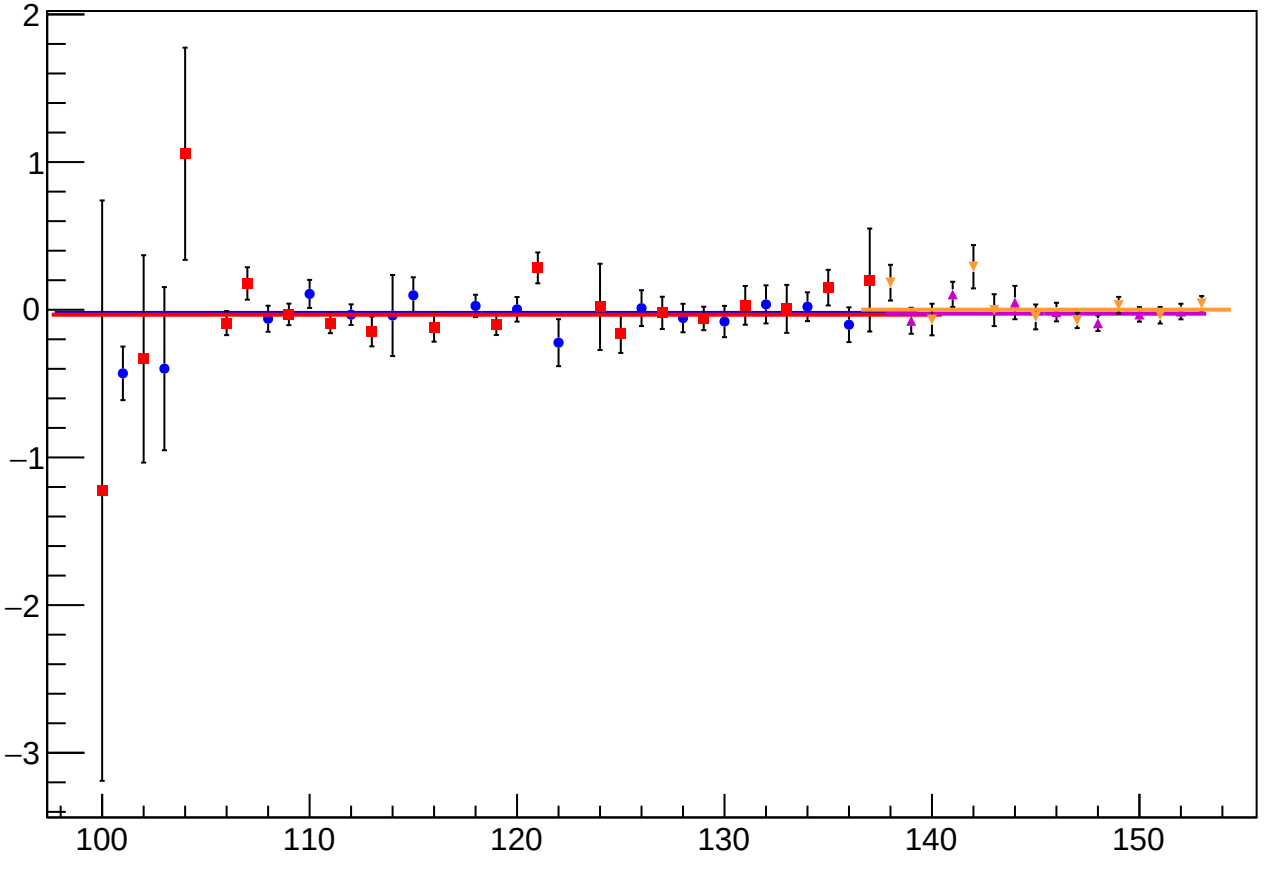
Right: 0.003+/-0.000 χ^2/NDF: 6602078.2/34

In: 0.003+/-0.000 χ^2/NDF:4879505.2/22

Out: 0.003+/-0.000 χ^2/NDF:4888883.0/27

All: 0.003+/-0.000 χ^2/NDF: 9768676.4/50

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: 0.001+/-0.023 χ^2/NDF:10.3/8

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.026+/-0.024 χ^2/NDF:4.7/6

Left: -0.013+/-0.017 χ^2/NDF: 15.7/15

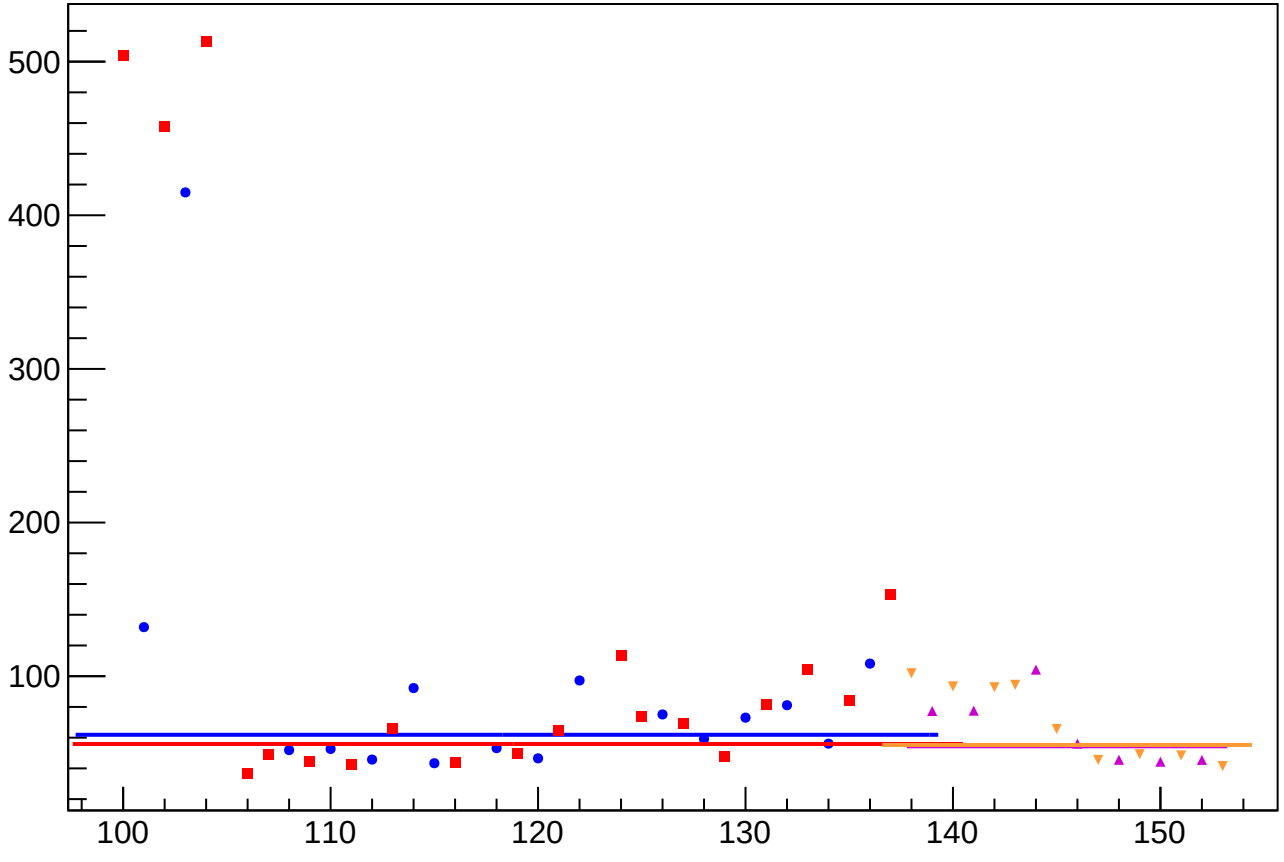
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.024+/-0.018 χ^2/NDF:16.8/22

Out: -0.015+/-0.017 χ^2/NDF:35.7/27

All: -0.020+/-0.012 χ^2/NDF: 52.6/50

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 55.252+/-0.017 χ^2/NDF:1247346.1/8

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 54.383+/-0.017 χ^2/NDF:871248.7/6

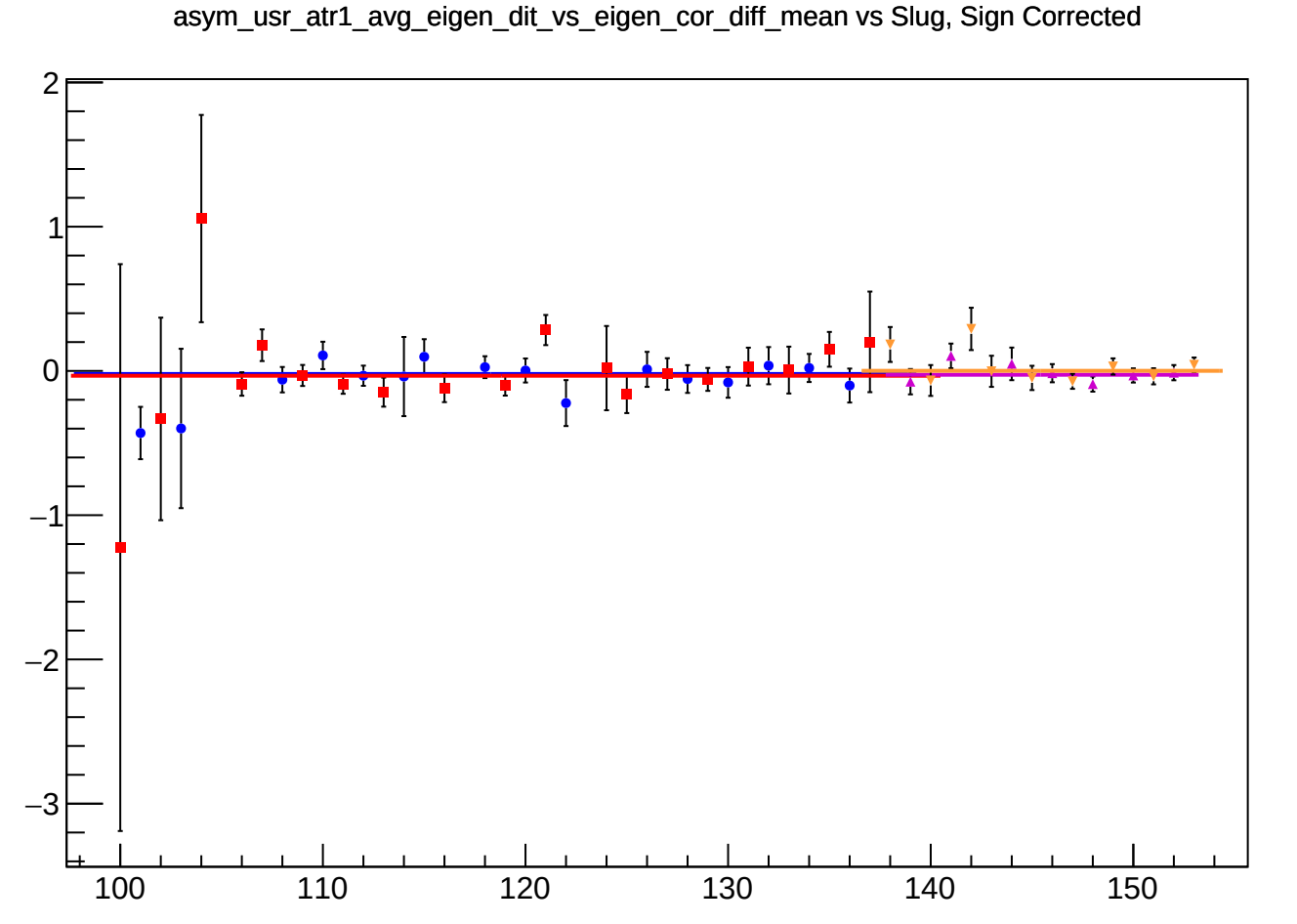
Left: 54.829+/-0.012 χ^2/NDF: 2119936.6/15

Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 57.754+/-0.013 χ^2/NDF:2896709.5/22

Out: 55.554+/-0.012 χ^2/NDF:3839278.4/27

All: 56.599+/-0.009 χ^2/NDF: 6752010.2/50



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: 0.001+/-0.023 χ^2/NDF:10.3/8

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.026+/-0.024 χ^2/NDF:4.7/6

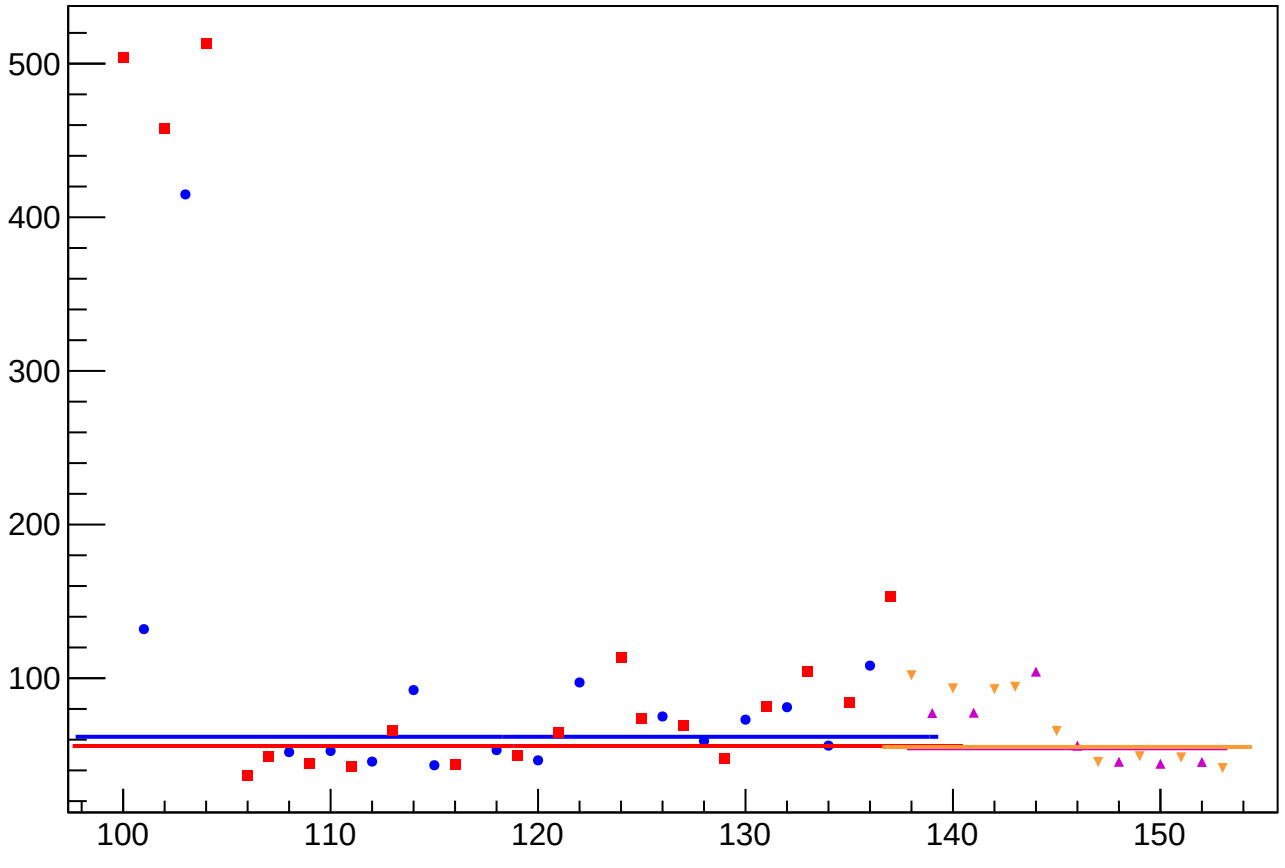
Left: -0.013+/-0.017 χ^2/NDF: 15.7/15

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.024+/-0.018 χ^2/NDF:16.8/22

Out: -0.015+/-0.017 χ^2/NDF:35.7/27

All: -0.020+/-0.012 χ^2/NDF: 52.6/50



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 55.252+/-0.017 χ^2/NDF:1247346.1/8

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 54.383+/-0.017 χ^2/NDF:871248.7/6

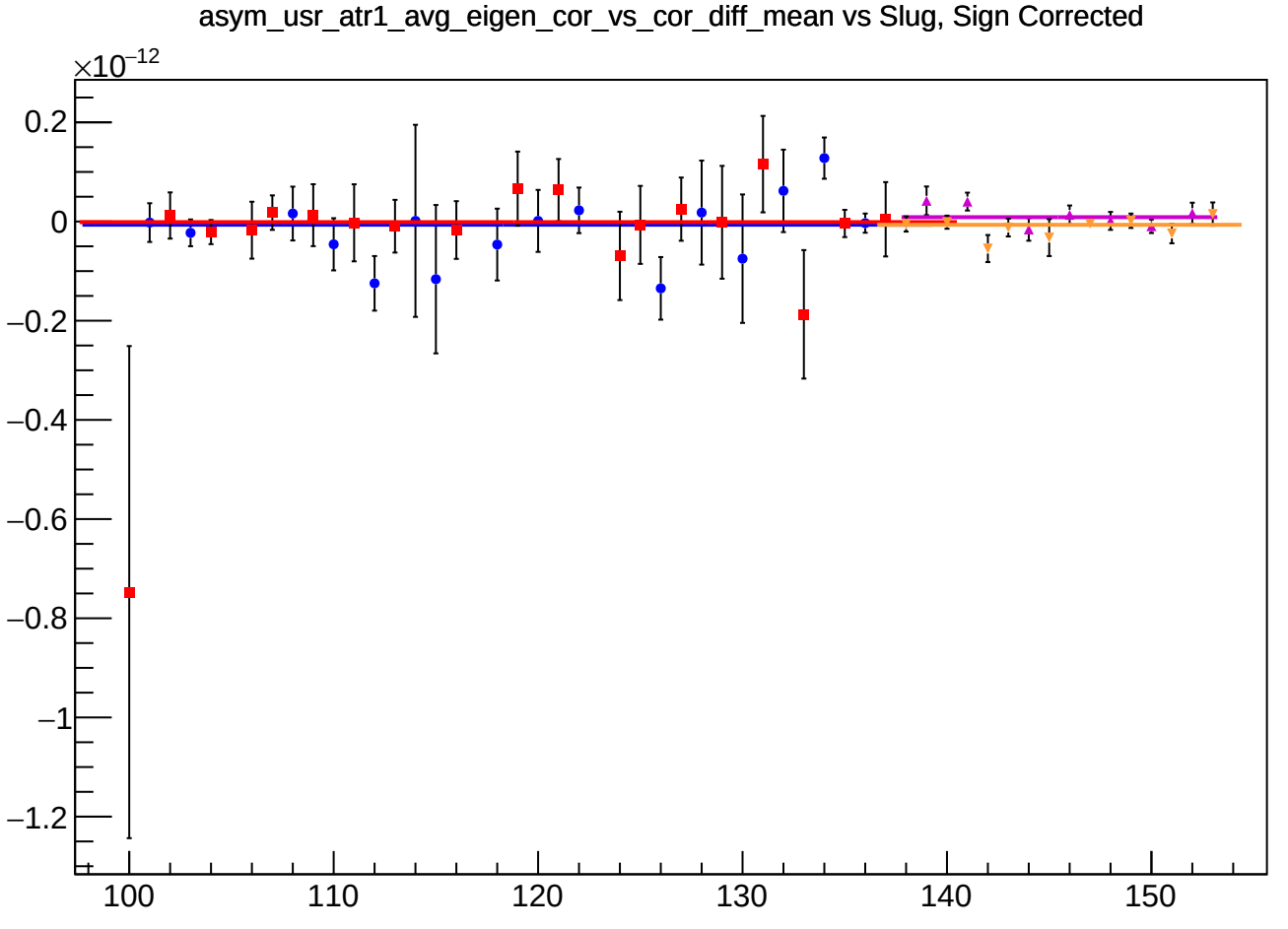
Left: 54.829+/-0.012 χ^2/NDF: 2119936.6/15

Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 57.754+/-0.013 χ^2/NDF:2896709.5/22

Out: 55.554+/-0.012 χ^2/NDF:3839278.4/27

All: 56.599+/-0.009 χ^2/NDF: 6752010.2/50



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.8/8

Right Out: -0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: 0.000+/-0.000 χ^2/NDF:7.7/6

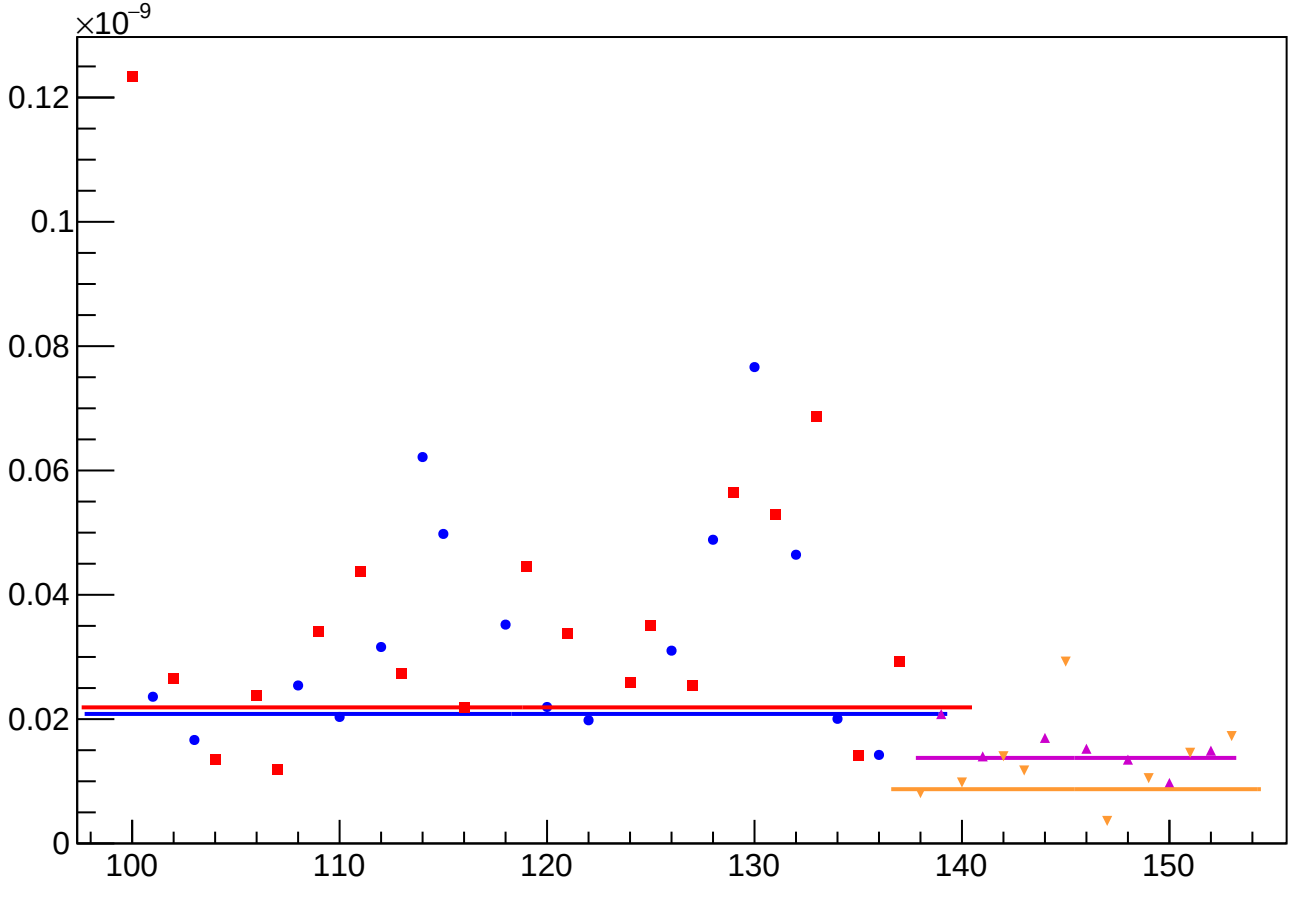
Left: -0.000+/-0.000 χ^2/NDF: 16.6/15

Right: -0.000+/-0.000 χ^2/NDF: 32.4/34

In: 0.000+/-0.000 χ^2/NDF:31.6/22

Out: -0.000+/-0.000 χ^2/NDF:15.7/27

All: -0.000+/-0.000 χ^2/NDF: 49.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1973752.9/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

Left In: 0.000+/-0.000 χ^2/NDF:351733.5/6

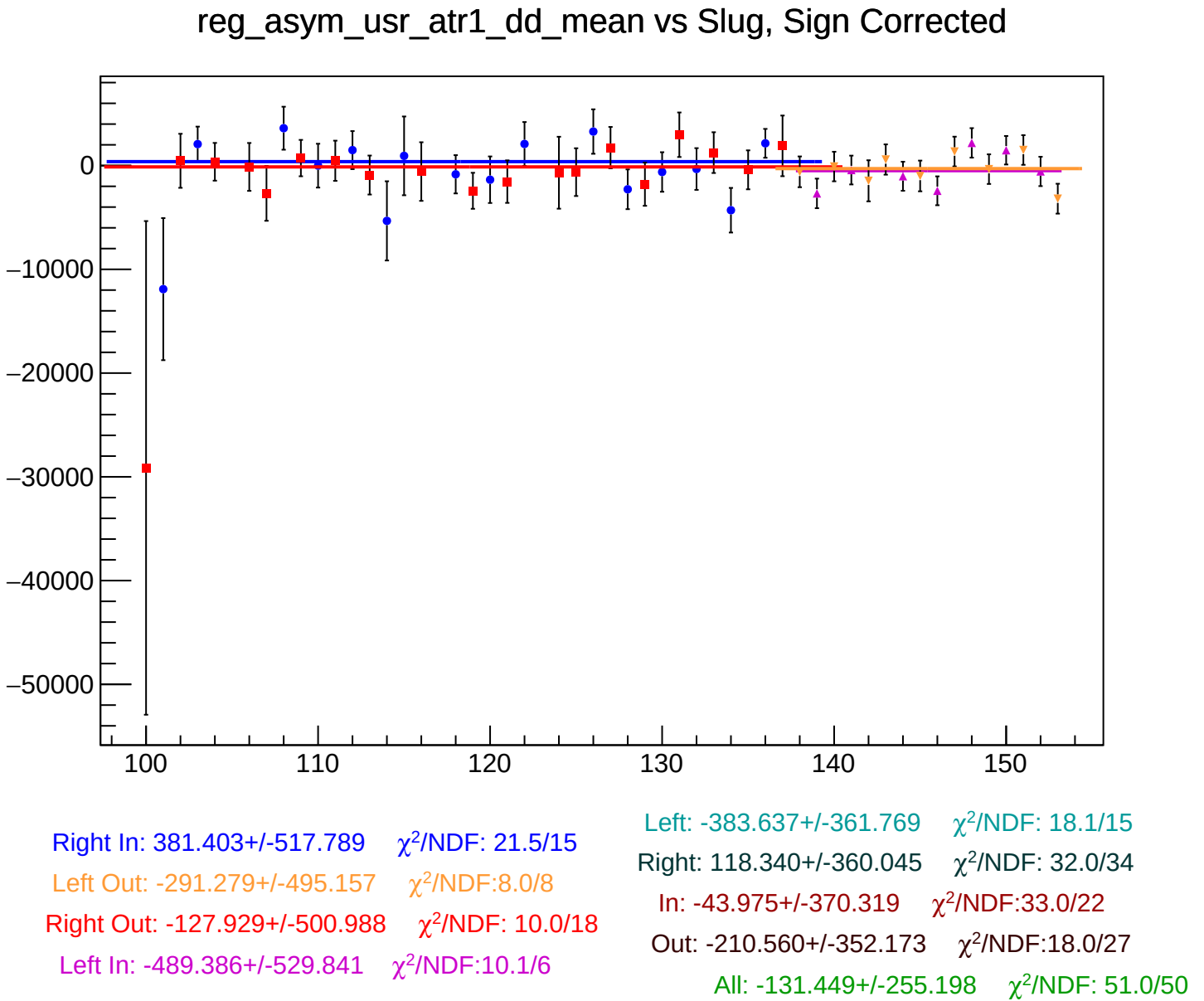
Left: 0.000+/-0.000 χ^2/NDF: 2985144.2/15

Right: 0.000+/-0.000 χ^2/NDF: 3299556.5/34

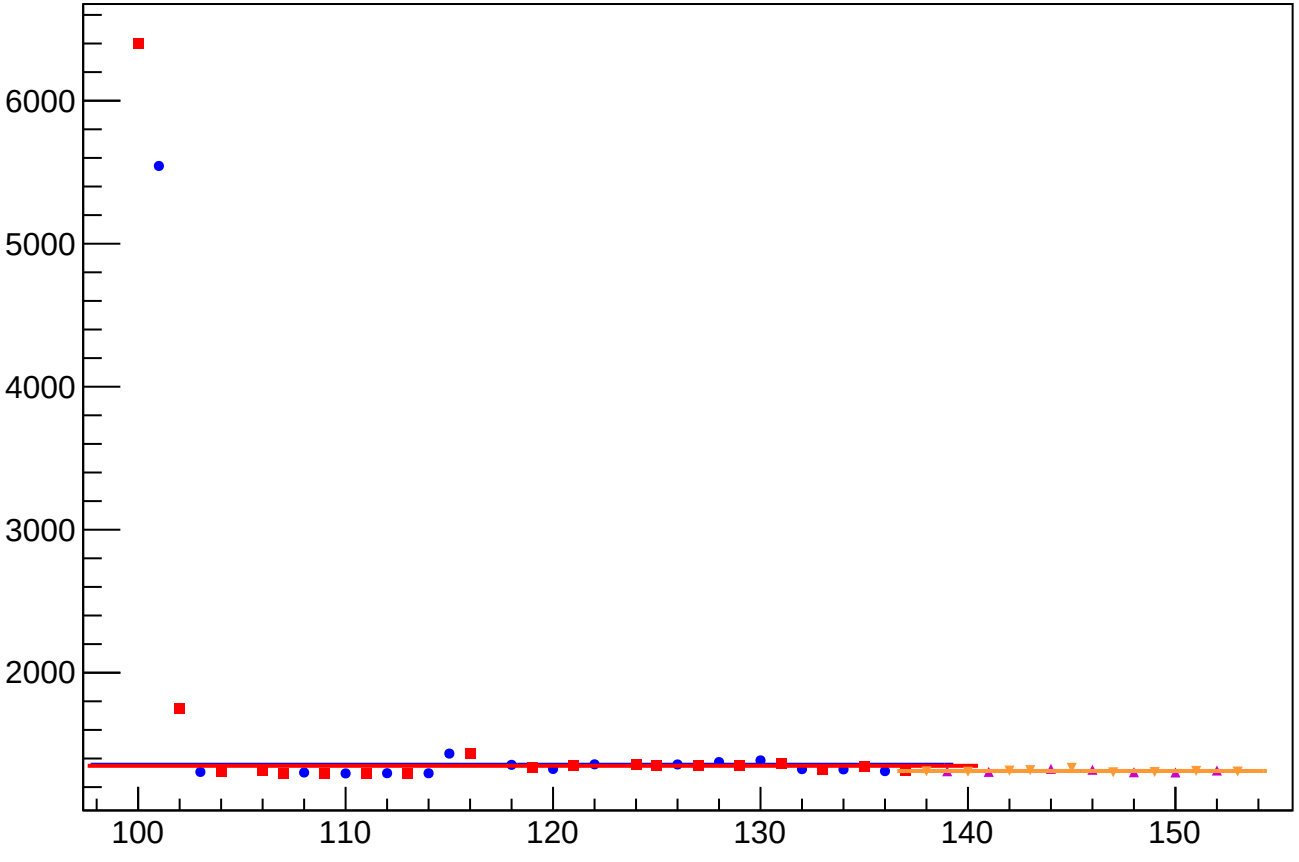
In: 0.000+/-0.000 χ^2/NDF:2297723.1/22

Out: 0.000+/-0.000 χ^2/NDF:5948791.1/27

All: 0.000+/-0.000 χ^2/NDF: 9111041.8/50


reg_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
Right In: 381.403+/-517.789 χ²/NDF: 21.5/15
Left Out: -291.279+/-495.157 χ²/NDF:8.0/8
Right Out: -127.929+/-500.988 χ²/NDF: 10.0/18
Left In: -489.386+/-529.841 χ²/NDF:10.1/6
Left: -383.637+/-361.769 χ²/NDF: 18.1/15
Right: 118.340+/-360.045 χ²/NDF: 32.0/34
In: -43.975+/-370.319 χ²/NDF:33.0/22
Out: -210.560+/-352.173 χ²/NDF:18.0/27
All: -131.449+/-255.198 χ²/NDF: 51.0/50

reg_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1312.655+/-0.350 χ^2/NDF:657.6/8

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

Left In: 1312.823+/-0.375 χ^2/NDF:537.3/6

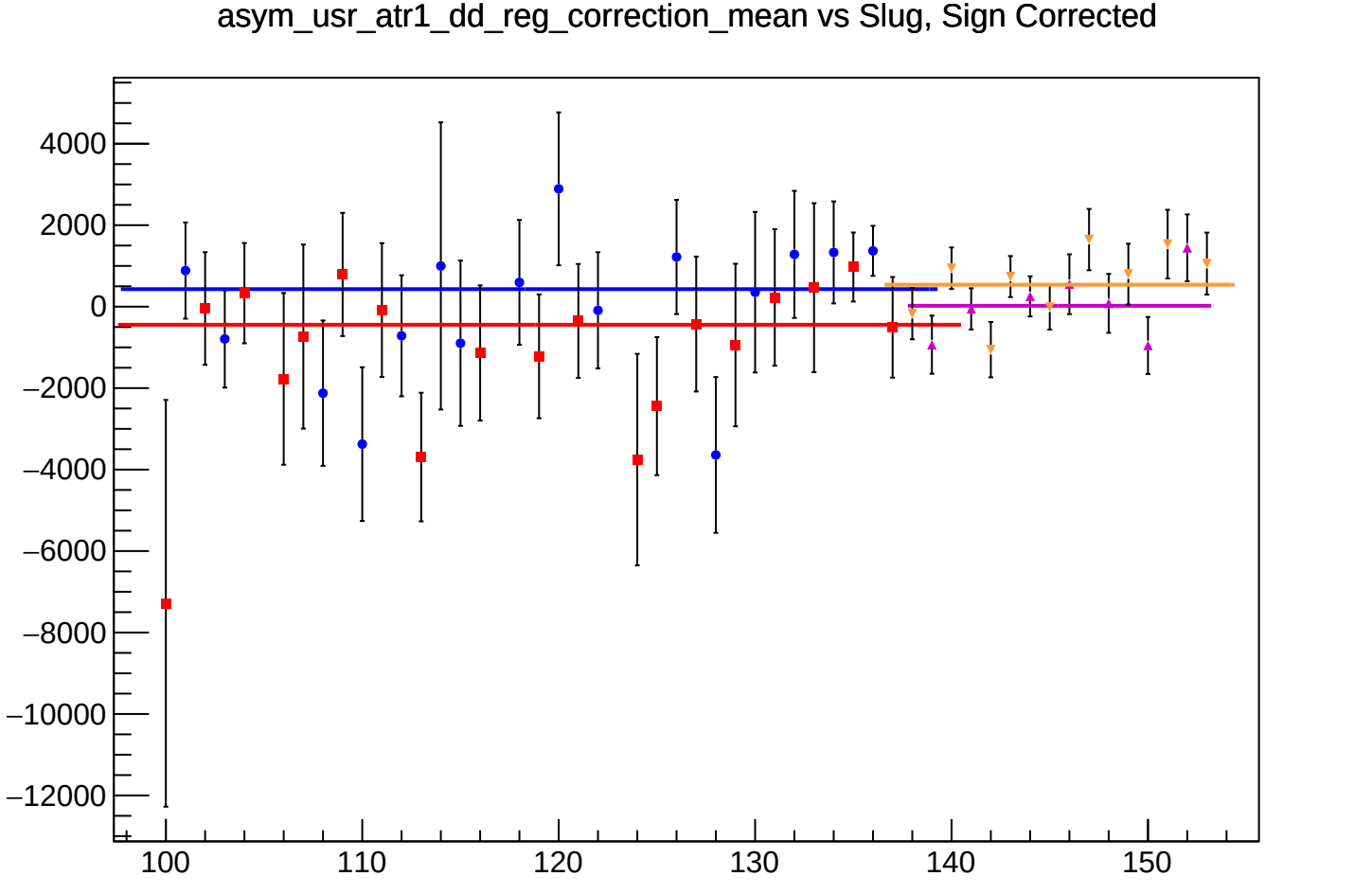
Left: 1312.733+/-0.256 χ^2/NDF: 1195.1/15

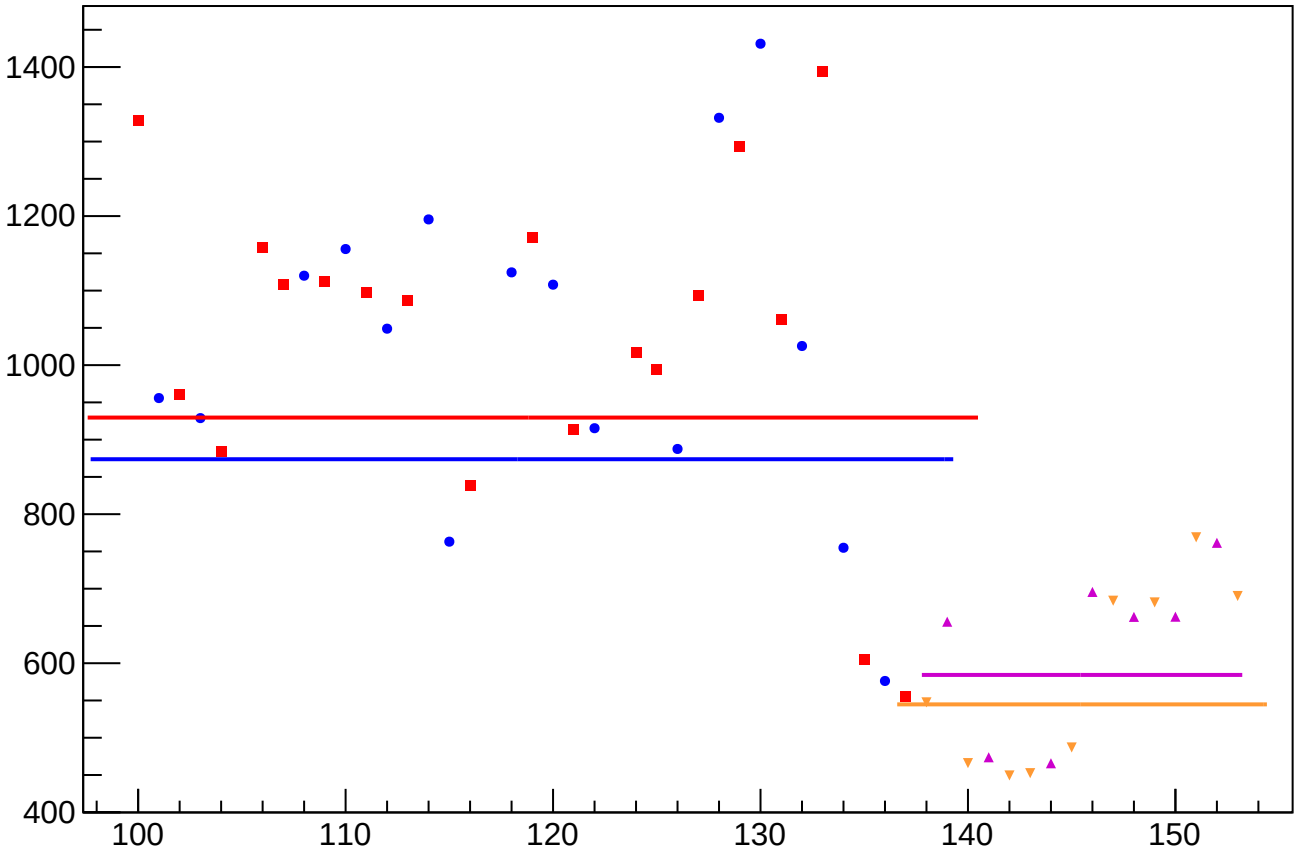
Right: 1352.564+/-0.255 χ^2/NDF: 907744.1/34

In: 1335.111+/-0.262 χ^2/NDF:767722.8/22

Out: 1330.602+/-0.249 χ^2/NDF:153240.4/27

All: 1332.744+/-0.180 χ^2/NDF: 921118.8/50


asym_usr_atr1_dd_reg_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
Right In: 430.363+/-338.459 χ²/NDF: 18.2/15
Left Out: 538.721+/-210.945 χ²/NDF:12.7/8
Right Out: -444.555+/-355.594 χ²/NDF: 14.4/18
Left In: 20.977+/-240.606 χ²/NDF:7.5/6
Left: 313.711+/-158.617 χ²/NDF: 22.8/15
Right: 14.491+/-245.161 χ²/NDF: 35.8/34
In: 158.411+/-196.104 χ²/NDF:26.7/22
Out: 282.769+/-181.425 χ²/NDF:32.8/27
All: 225.418+/-133.174 χ²/NDF: 59.7/50



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 544.772+/-0.149 χ^2/NDF:526546.6/8

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

Left In: 584.290+/-0.170 χ^2/NDF:418417.1/6

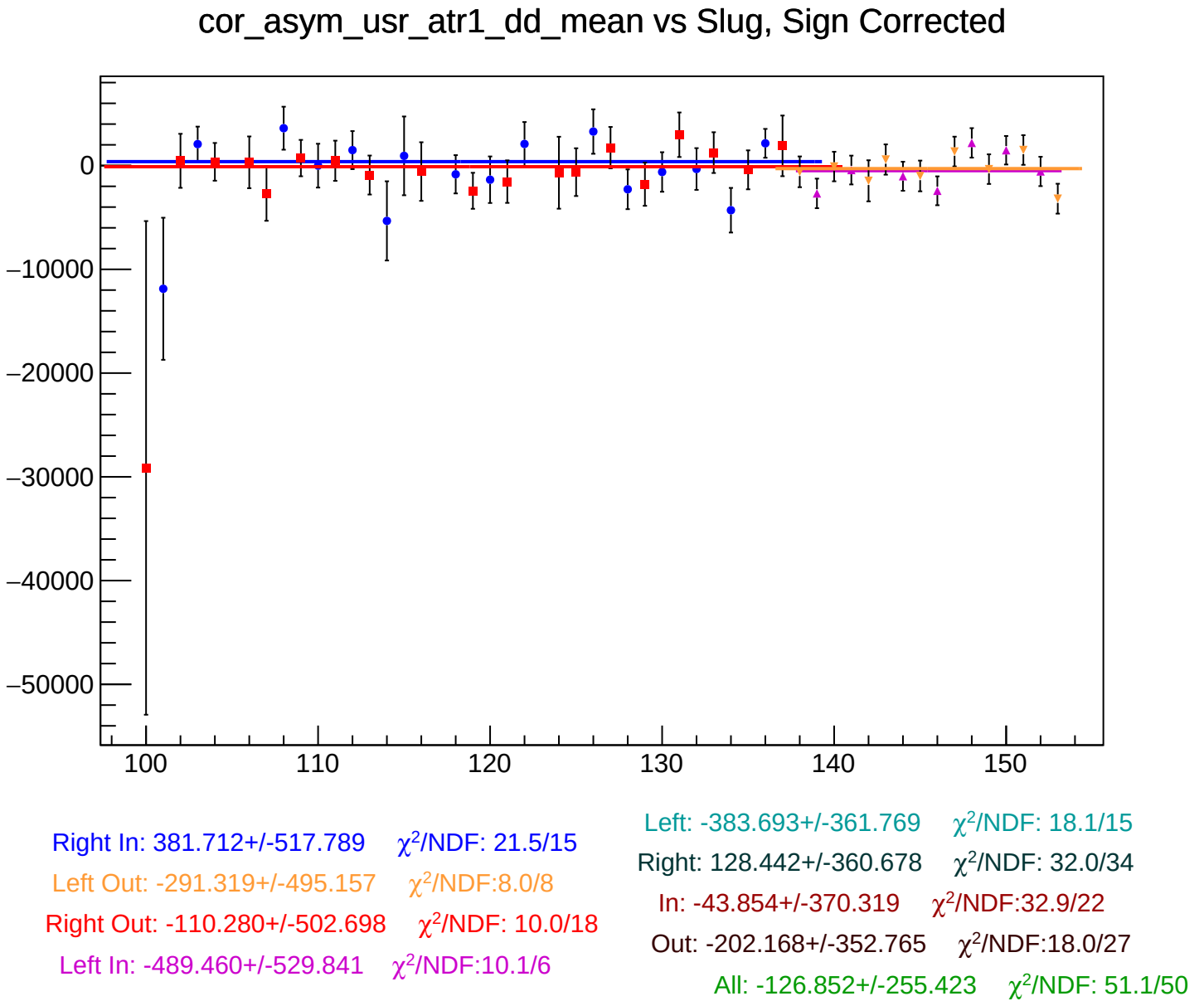
Left: 561.947+/-0.112 χ^2/NDF: 975467.3/15

Right: 900.305+/-0.173 χ^2/NDF: 1900732.3/34

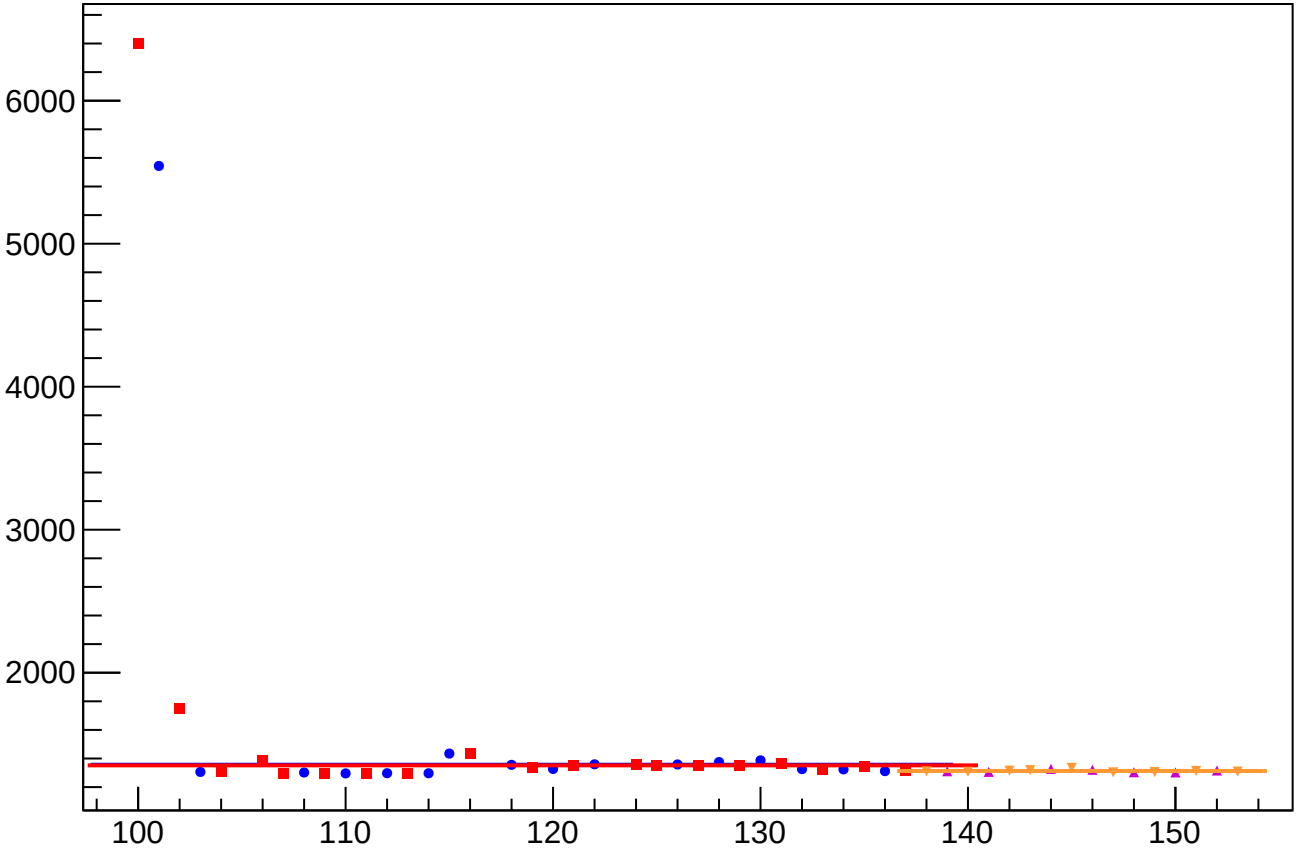
In: 681.458+/-0.139 χ^2/NDF:2404911.8/22

Out: 644.955+/-0.128 χ^2/NDF:3119440.4/27

All: 661.789+/-0.094 χ^2/NDF: 5561691.2/50


cor_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
Right In: 381.712+/-517.789 χ²/NDF: 21.5/15
Left Out: -291.319+/-495.157 χ²/NDF:8.0/8
Right Out: -110.280+/-502.698 χ²/NDF: 10.0/18
Left In: -489.460+/-529.841 χ²/NDF:10.1/6
Left: -383.693+/-361.769 χ²/NDF: 18.1/15
Right: 128.442+/-360.678 χ²/NDF: 32.0/34
In: -43.854+/-370.319 χ²/NDF:32.9/22
Out: -202.168+/-352.765 χ²/NDF:18.0/27
All: -126.852+/-255.423 χ²/NDF: 51.1/50

cor_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1312.655+/-0.350 χ^2/NDF:657.6/8

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1312.823+/-0.375 χ^2/NDF:537.3/6

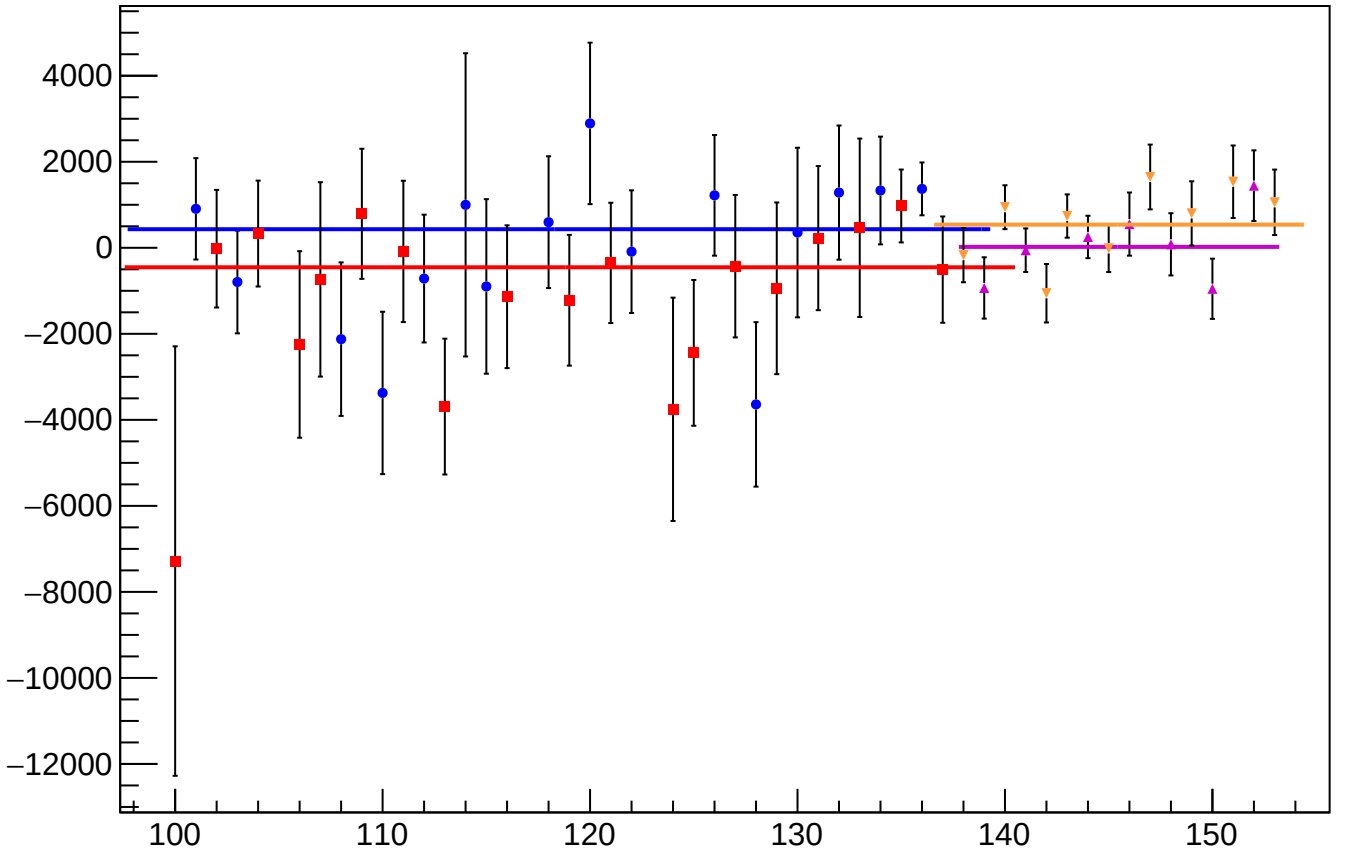
Left: 1312.733+/-0.256 χ^2/NDF: 1195.1/15

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1335.111+/-0.262 χ^2/NDF:767721.8/22

Out: 1332.071+/-0.249 χ^2/NDF:154228.9/27

All: 1333.517+/-0.181 χ^2/NDF: 922021.3/50



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 538.656+/-210.947 χ^2/NDF:12.7/8

Right Out: -453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: 20.986+/-240.603 χ^2/NDF:7.5/6

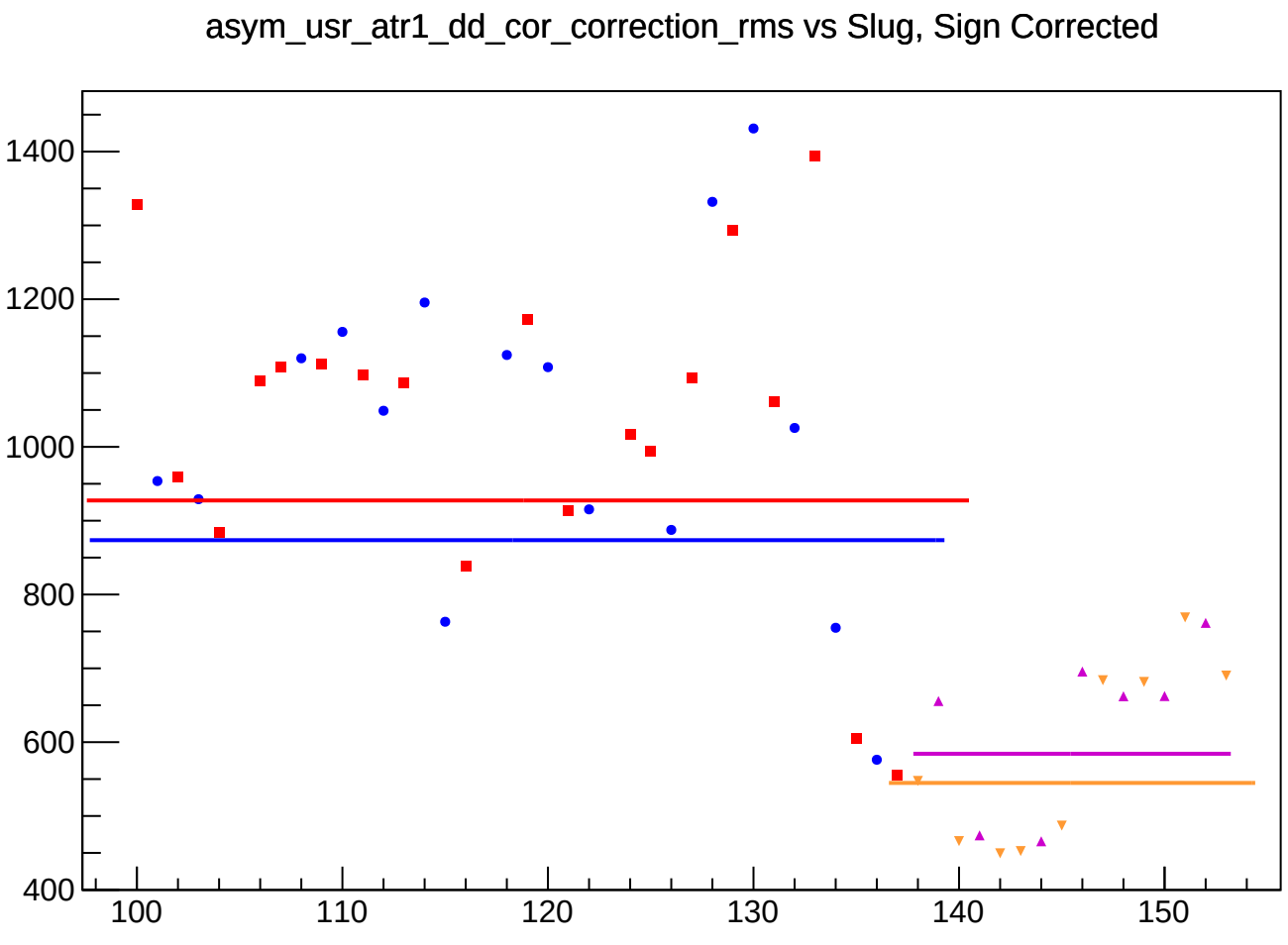
Left: 313.673+/-158.616 χ^2/NDF: 22.9/15

Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 159.039+/-196.091 χ^2/NDF:26.7/22

Out: 280.515+/-181.426 χ^2/NDF:33.2/27

All: 224.489+/-133.171 χ^2/NDF: 60.1/50



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 544.777+/-0.149 χ^2/NDF:526537.0/8

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 584.281+/-0.170 χ^2/NDF:418458.9/6

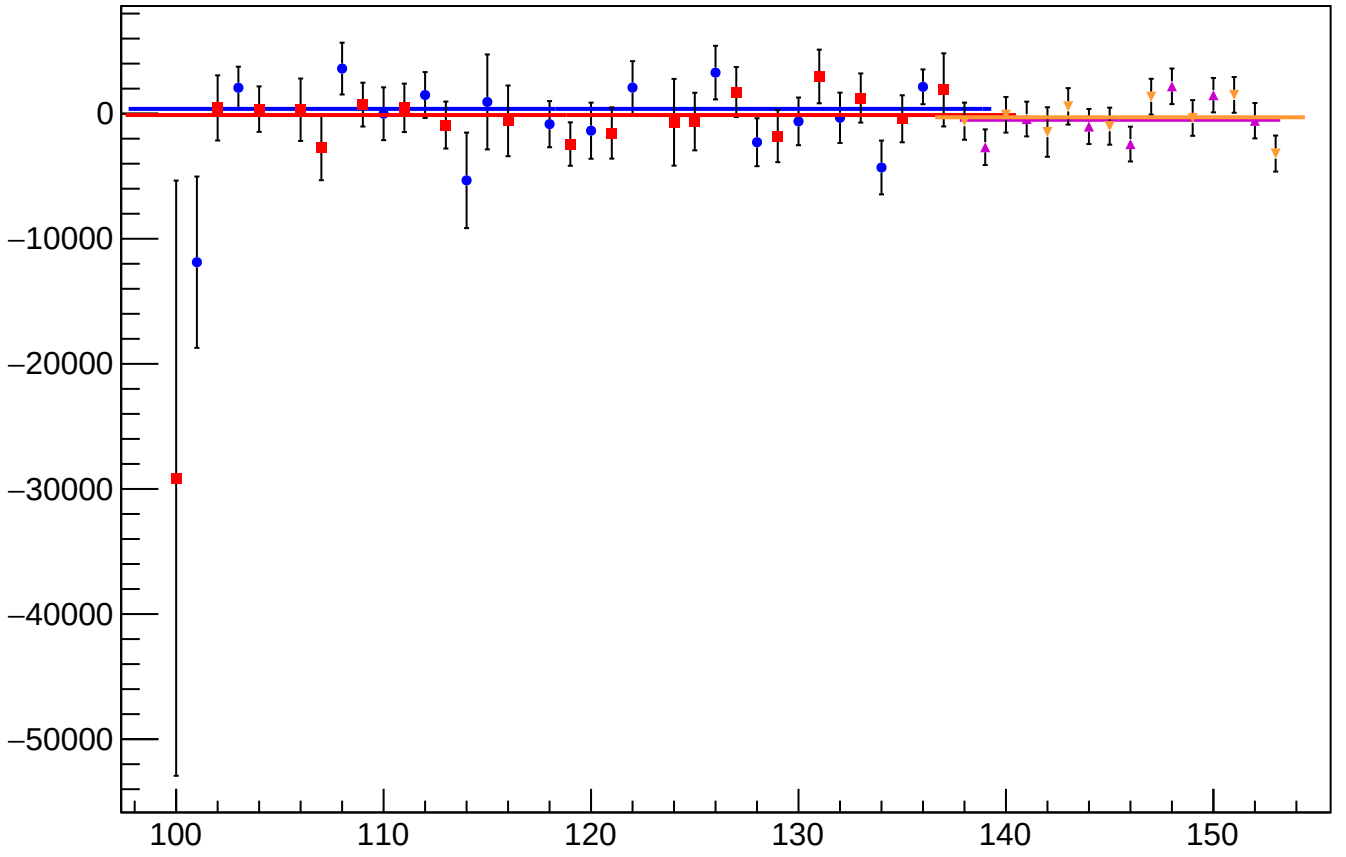
Left: 561.945+/-0.112 χ^2/NDF: 975479.5/15

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 681.429+/-0.139 χ^2/NDF:2403935.9/22

Out: 644.376+/-0.128 χ^2/NDF:3086780.0/27

All: 661.465+/-0.094 χ^2/NDF: 5529190.4/50



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -291.319+/-495.157 χ^2/NDF:8.0/8

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: -489.460+/-529.841 χ^2/NDF:10.1/6

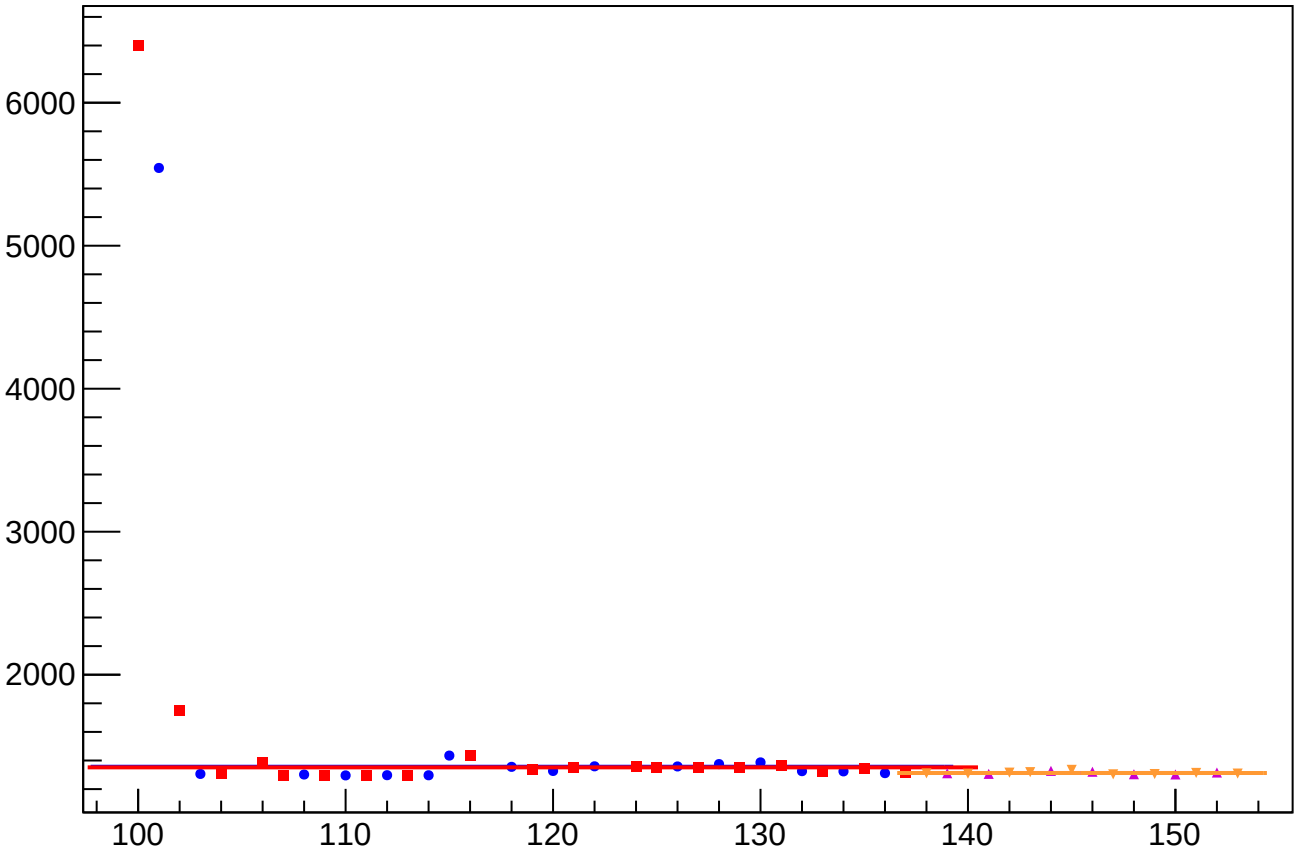
Left: -383.693+/-361.769 χ^2/NDF: 18.1/15

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: -43.854+/-370.319 χ^2/NDF:32.9/22

Out: -202.168+/-352.765 χ^2/NDF:18.0/27

All: -126.852+/-255.423 χ^2/NDF: 51.1/50



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1312.655+/-0.350 χ^2/NDF:657.6/8

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1312.823+/-0.375 χ^2/NDF:537.3/6

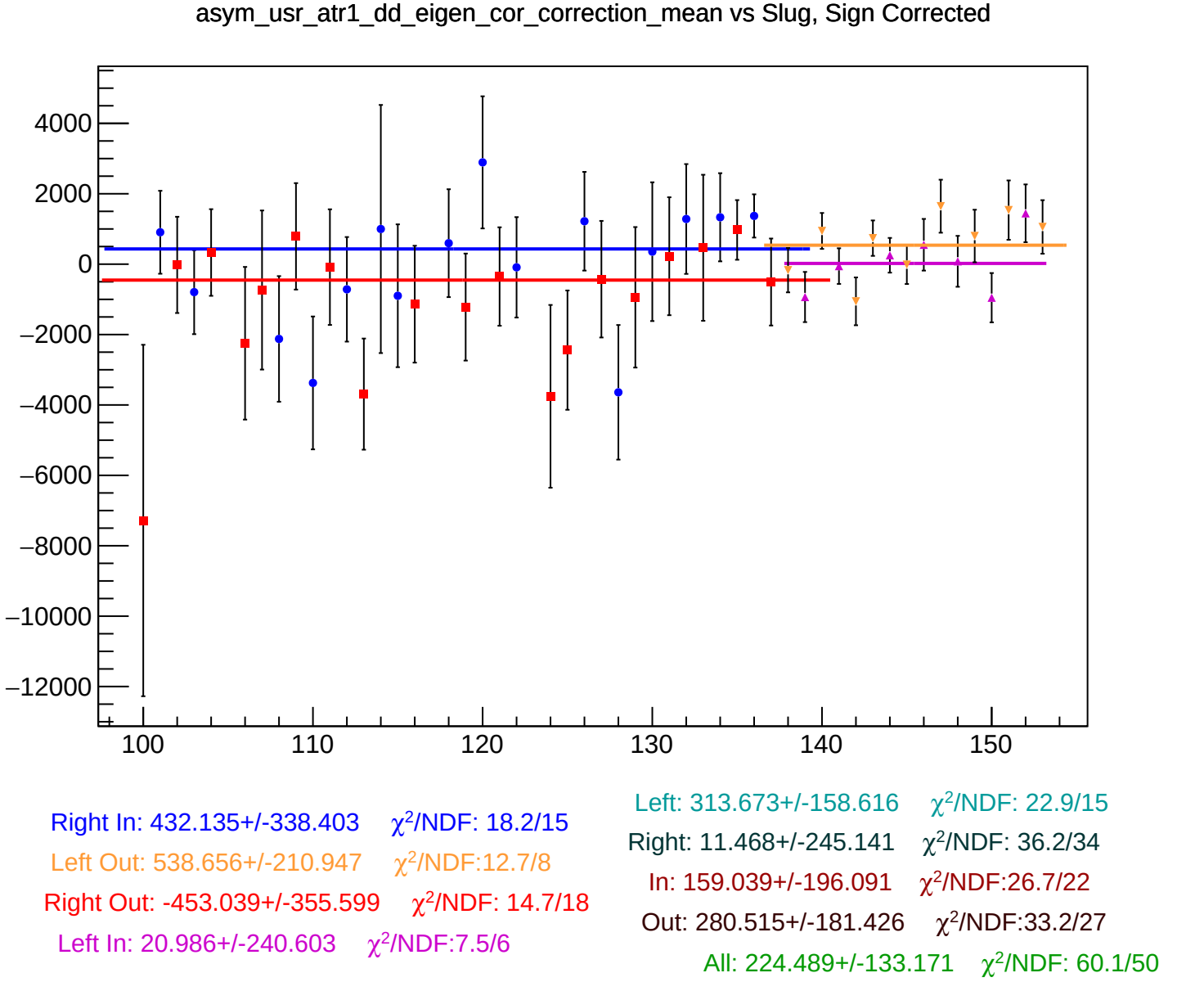
Left: 1312.733+/-0.256 χ^2/NDF: 1195.1/15

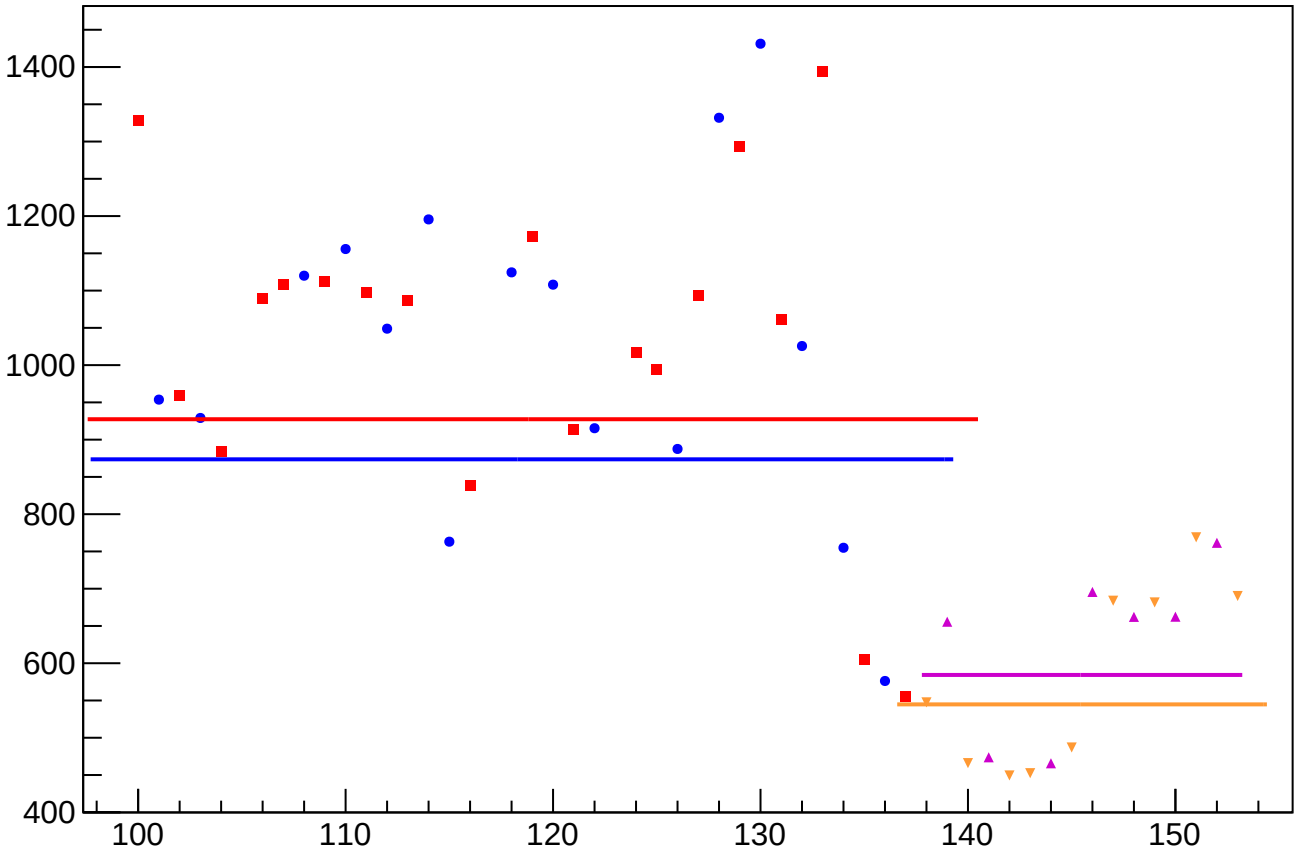
Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1335.111+/-0.262 χ^2/NDF:767721.8/22

Out: 1332.071+/-0.249 χ^2/NDF:154228.9/27

All: 1333.517+/-0.181 χ^2/NDF: 922021.3/50


asym_usr_atr1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
Right In: 432.135+/-338.403 χ²/NDF: 18.2/15
Left Out: 538.656+/-210.947 χ²/NDF:12.7/8
Right Out: -453.039+/-355.599 χ²/NDF: 14.7/18
Left In: 20.986+/-240.603 χ²/NDF:7.5/6
Left: 313.673+/-158.616 χ²/NDF: 22.9/15
Right: 11.468+/-245.141 χ²/NDF: 36.2/34
In: 159.039+/-196.091 χ²/NDF:26.7/22
Out: 280.515+/-181.426 χ²/NDF:33.2/27
All: 224.489+/-133.171 χ²/NDF: 60.1/50



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 544.777+/-0.149 χ^2/NDF:526537.0/8

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 584.281+/-0.170 χ^2/NDF:418458.9/6

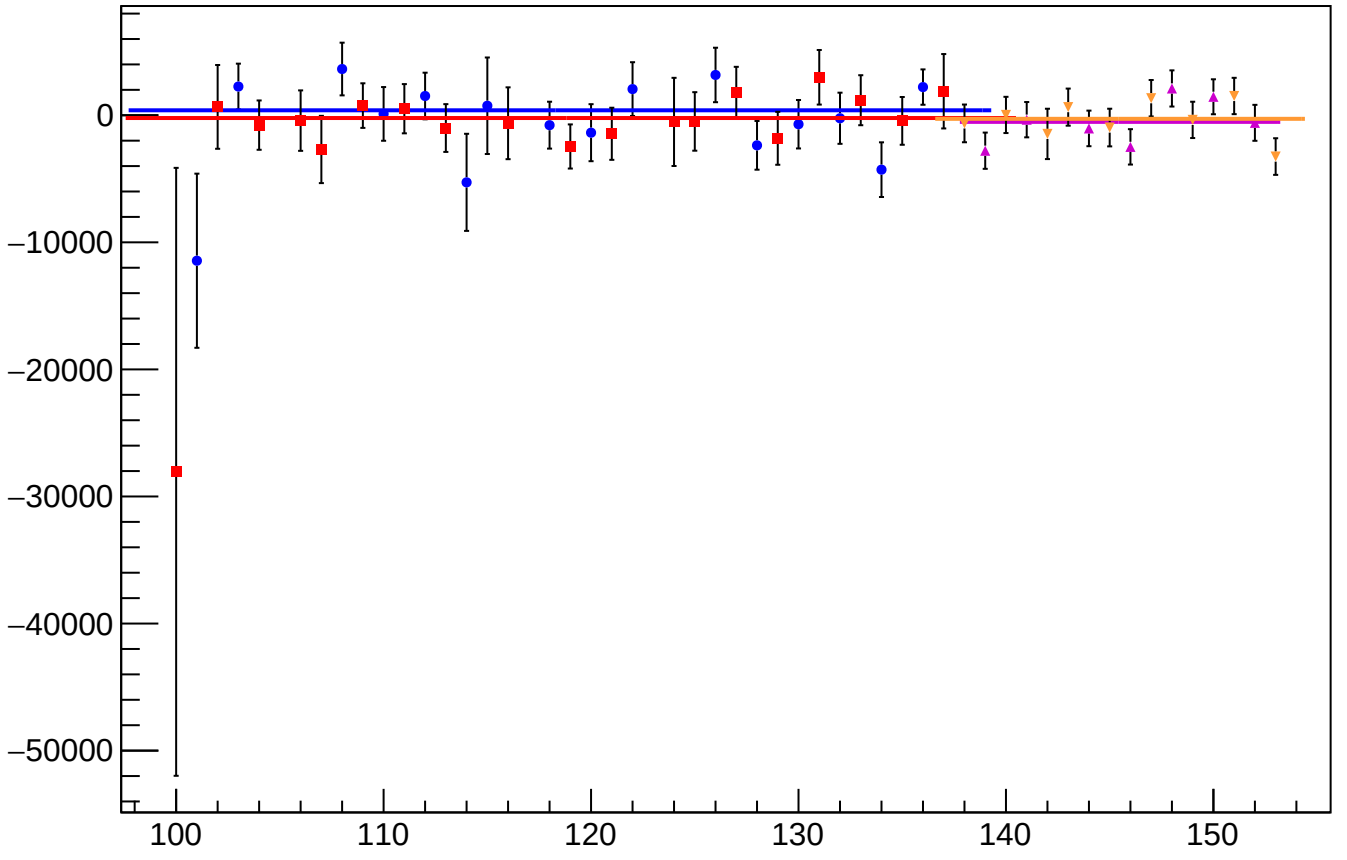
Left: 561.945+/-0.112 χ^2/NDF: 975479.5/15

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 681.429+/-0.139 χ^2/NDF:2403935.9/22

Out: 644.376+/-0.128 χ^2/NDF:3086780.0/27

All: 661.465+/-0.094 χ^2/NDF: 5529190.4/50



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -280.870+/-495.492 χ^2/NDF:8.2/8

Right Out: -218.184+/-507.927 χ^2/NDF: 10.0/18

Left In: -520.651+/-530.187 χ^2/NDF:10.2/6

Left: -392.659+/-362.010 χ^2/NDF: 18.4/15

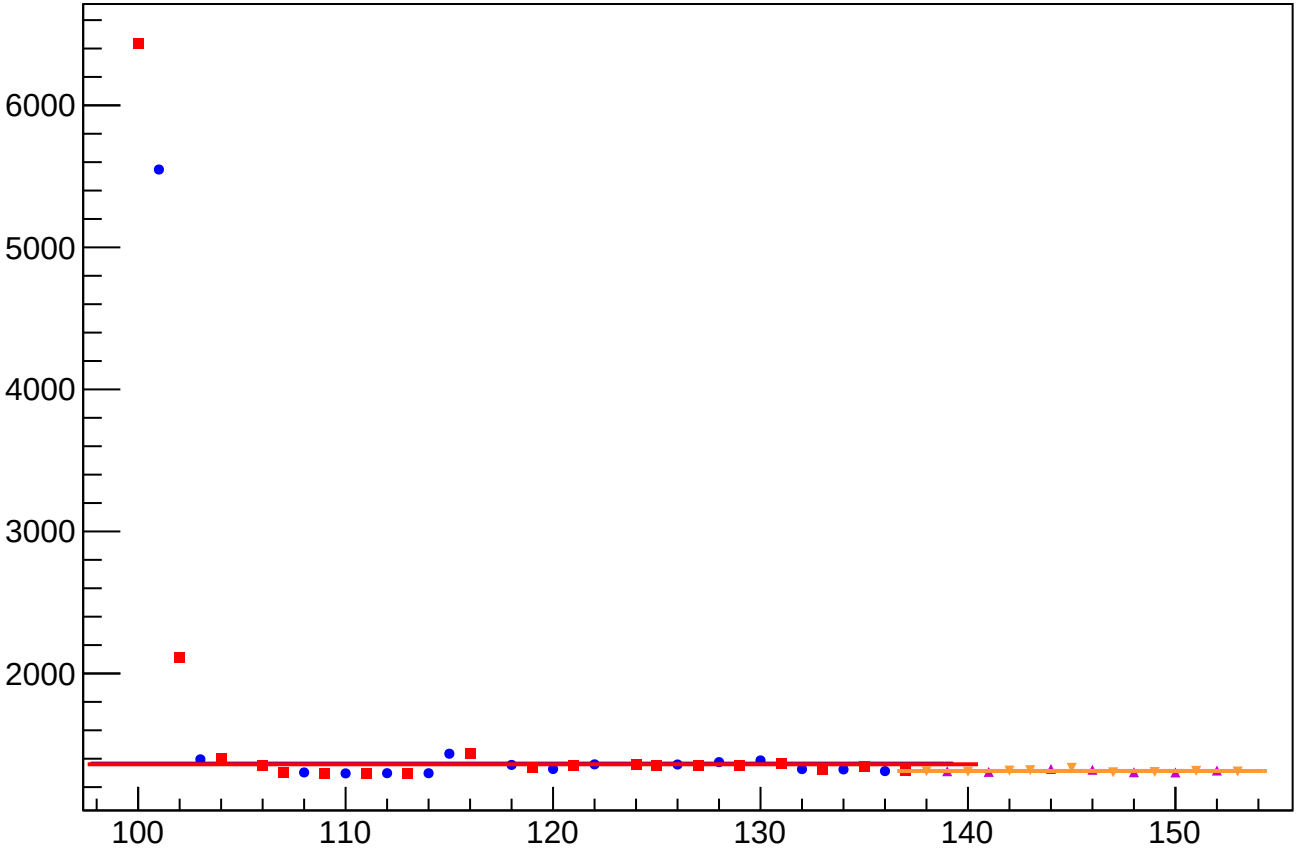
Right: 78.065+/-363.747 χ^2/NDF: 32.1/34

In: -57.532+/-371.666 χ^2/NDF:33.0/22

Out: -250.304+/-354.681 χ^2/NDF:18.2/27

All: -158.423+/-256.592 χ^2/NDF: 51.4/50

dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1313.544+/-0.350 χ^2/NDF:648.3/8

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

Left In: 1313.679+/-0.375 χ^2/NDF:531.0/6

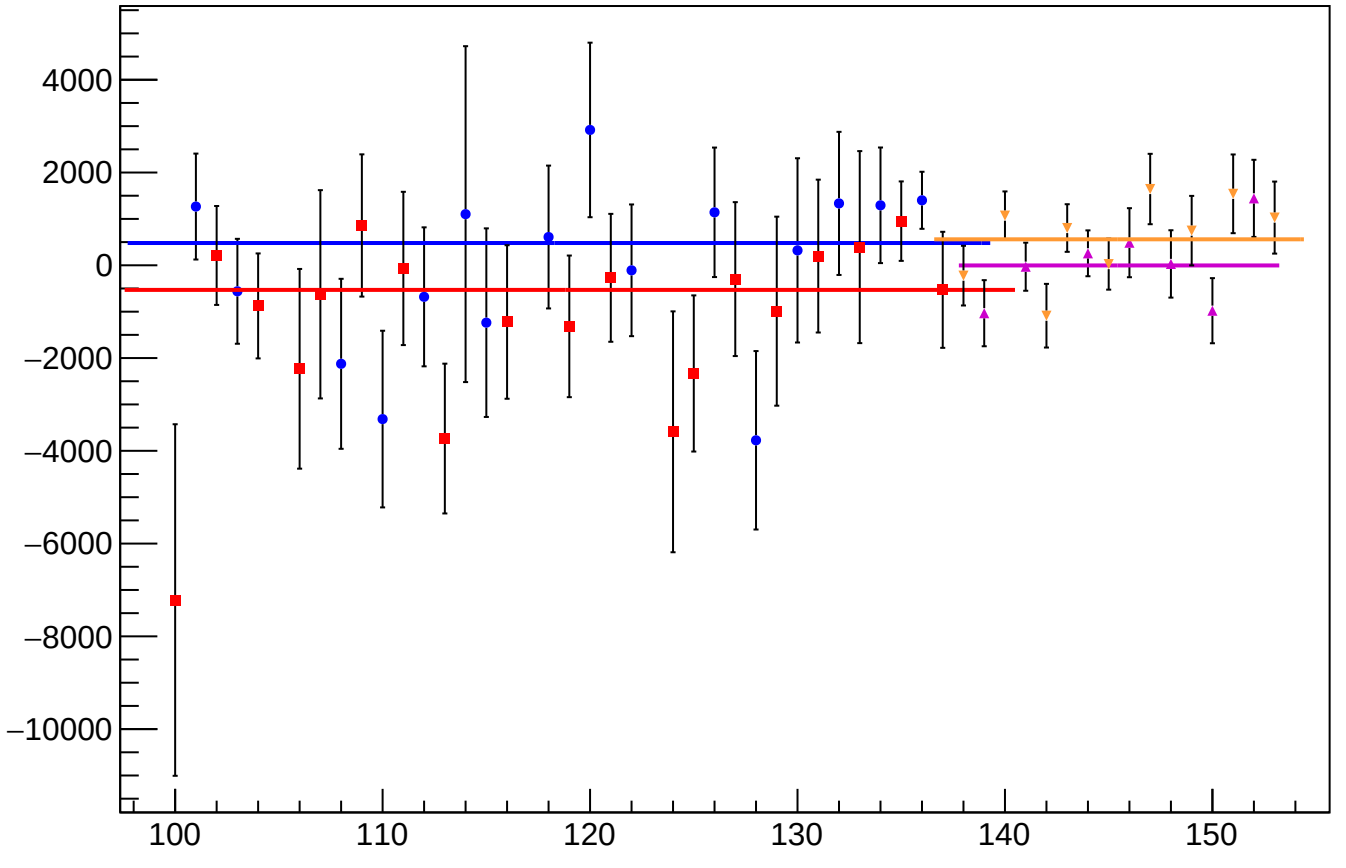
Left: 1313.607+/-0.256 χ^2/NDF: 1179.3/15

Right: 1362.978+/-0.257 χ^2/NDF: 964337.6/34

In: 1339.934+/-0.263 χ^2/NDF:769118.8/22

Out: 1336.572+/-0.251 χ^2/NDF:214822.8/27

All: 1338.175+/-0.181 χ^2/NDF: 984027.2/50



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 560.100+/-213.847 χ^2/NDF:13.2/8

Right Out: -530.532+/-346.105 χ^2/NDF: 15.6/18

Left In: -3.235+/-242.835 χ^2/NDF:7.8/6

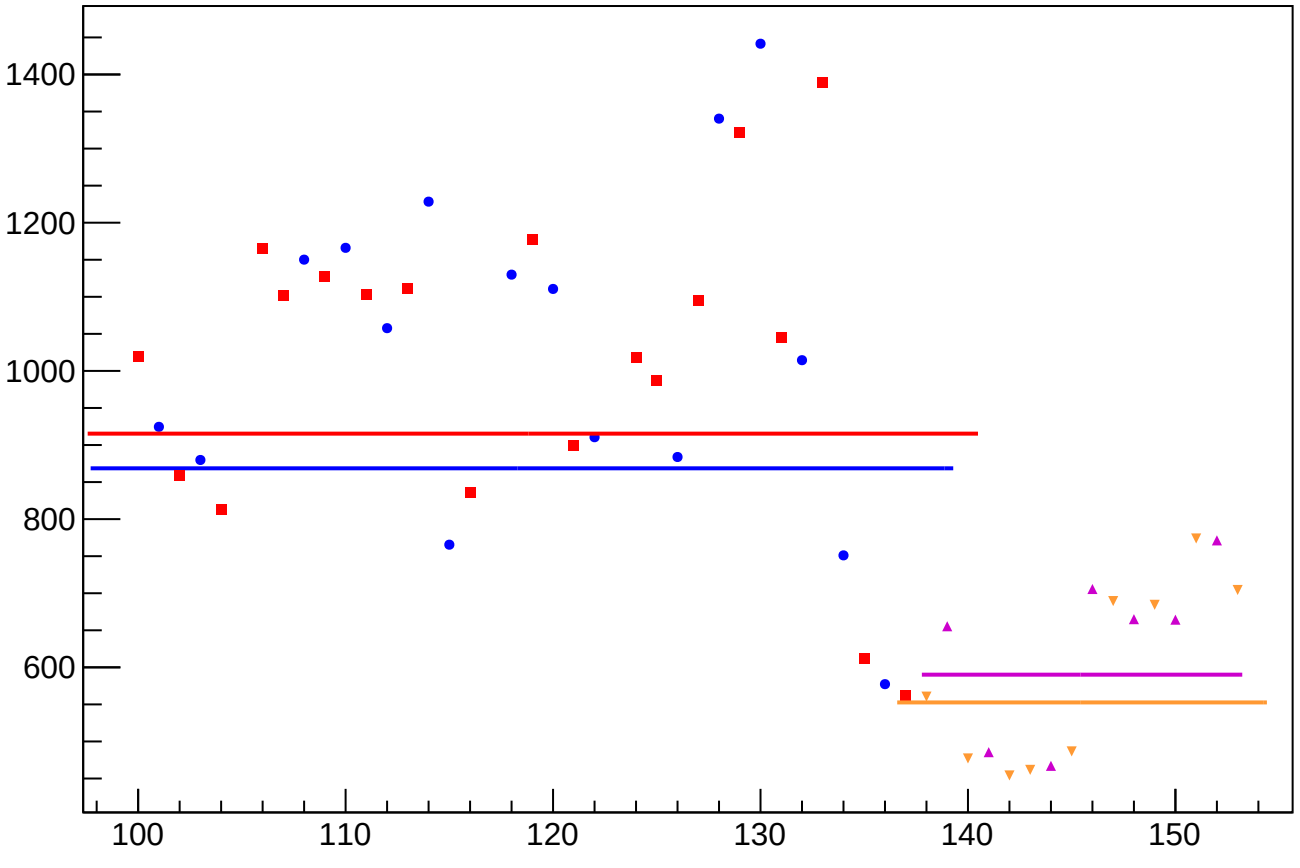
Left: 314.047+/-160.488 χ^2/NDF: 24.0/15

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 162.369+/-196.919 χ^2/NDF:27.7/22

Out: 258.775+/-181.922 χ^2/NDF:36.0/27

All: 214.382+/-133.626 χ^2/NDF: 63.8/50



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 552.670+/-0.151 χ^2/NDF:514143.9/8

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

Left In: 590.126+/-0.172 χ^2/NDF:408914.6/6

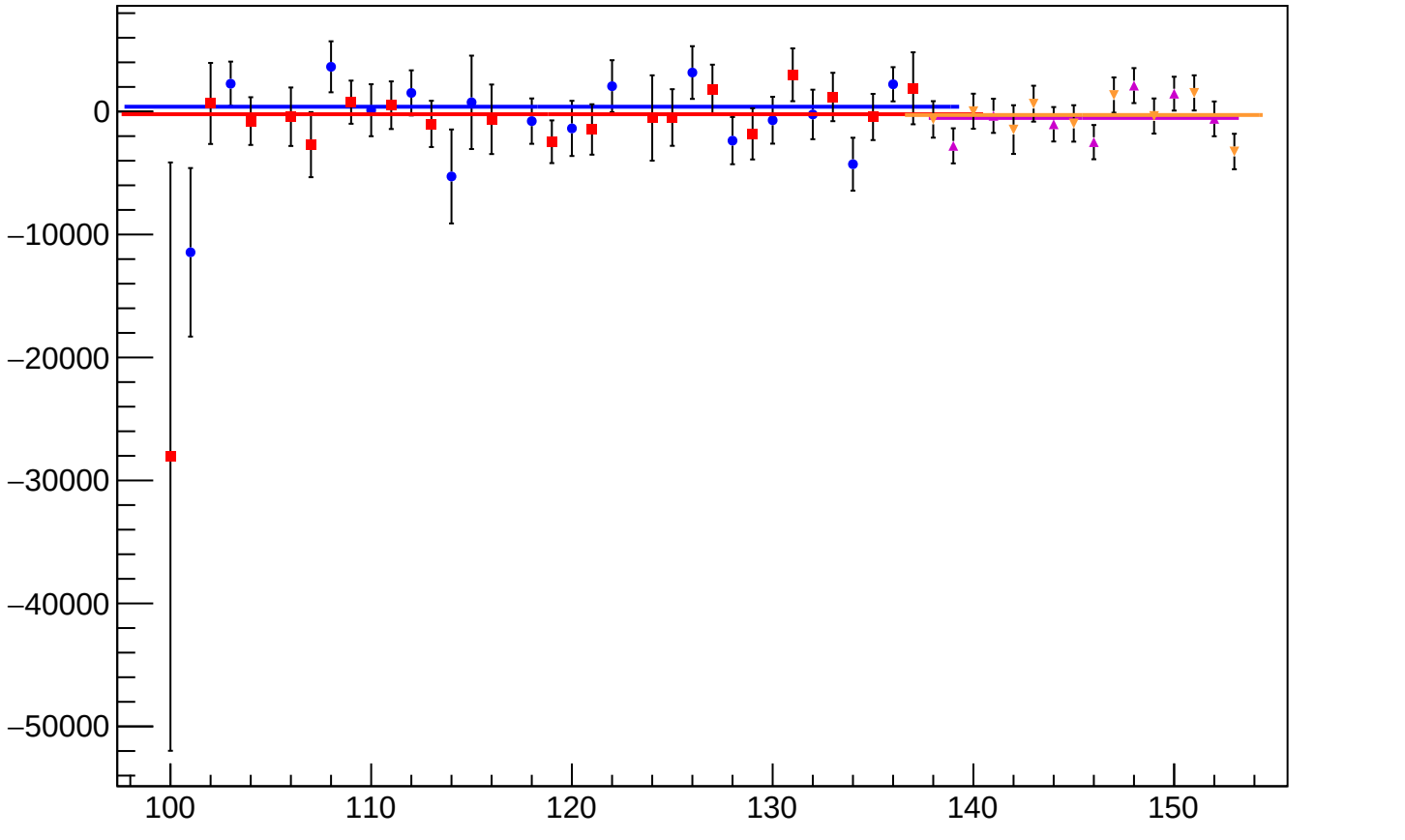
Left: 569.030+/-0.113 χ^2/NDF: 949859.2/15

Right: 891.309+/-0.171 χ^2/NDF: 1899033.0/34

In: 685.470+/-0.139 χ^2/NDF:2330662.6/22

Out: 652.875+/-0.129 χ^2/NDF:2962528.2/27

All: 667.885+/-0.094 χ^2/NDF: 5322754.5/50



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -280.870+/-495.492 χ^2/NDF:8.2/8

Right Out: -218.182+/-507.927 χ^2/NDF: 10.0/18

Left In: -520.650+/-530.187 χ^2/NDF:10.2/6

Left: -392.659+/-362.010 χ^2/NDF: 18.4/15

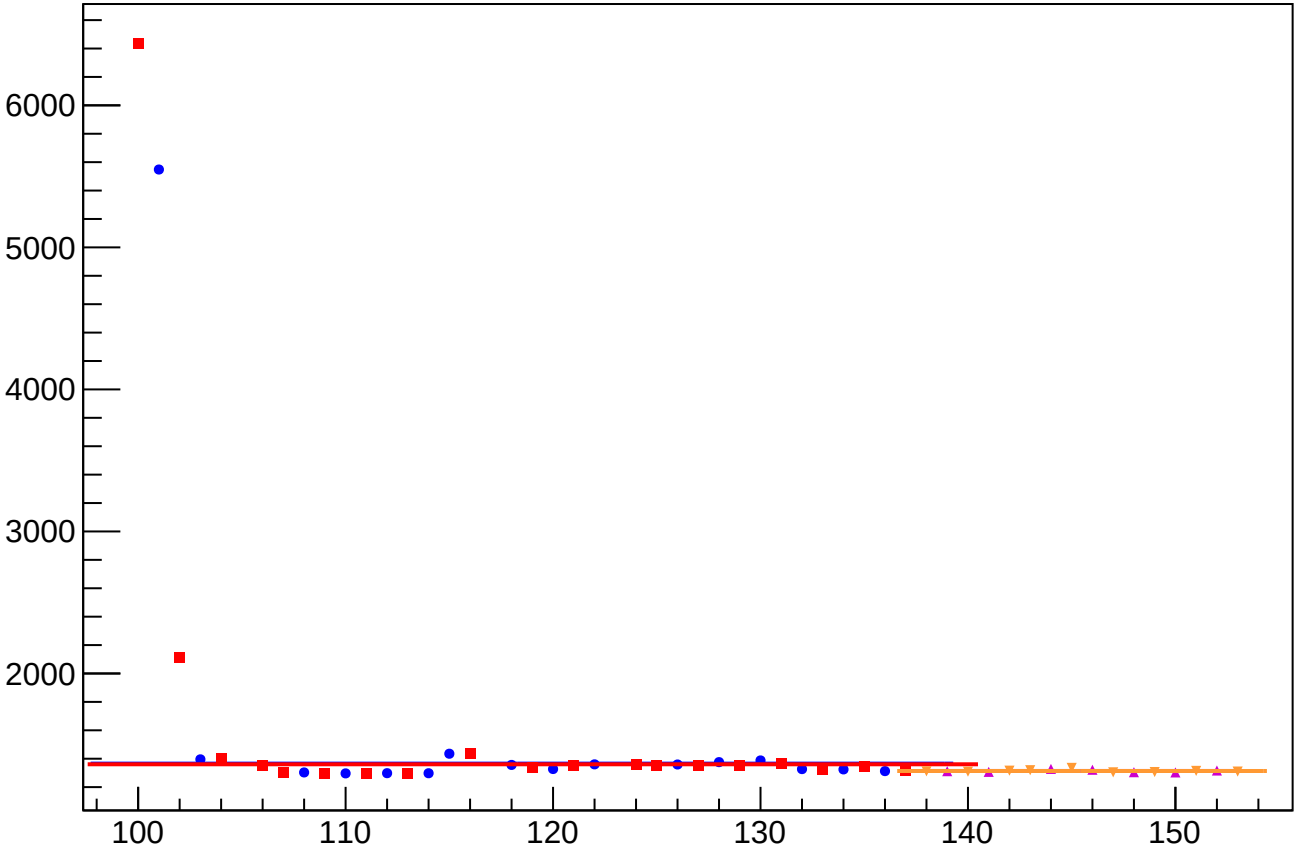
Right: 78.066+/-363.747 χ^2/NDF: 32.1/34

In: -57.532+/-371.666 χ^2/NDF:33.0/22

Out: -250.303+/-354.681 χ^2/NDF:18.2/27

All: -158.423+/-256.592 χ^2/NDF: 51.4/50

eigen_dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1313.544+/-0.350 χ^2/NDF:648.3/8

Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1313.679+/-0.375 χ^2/NDF:531.0/6

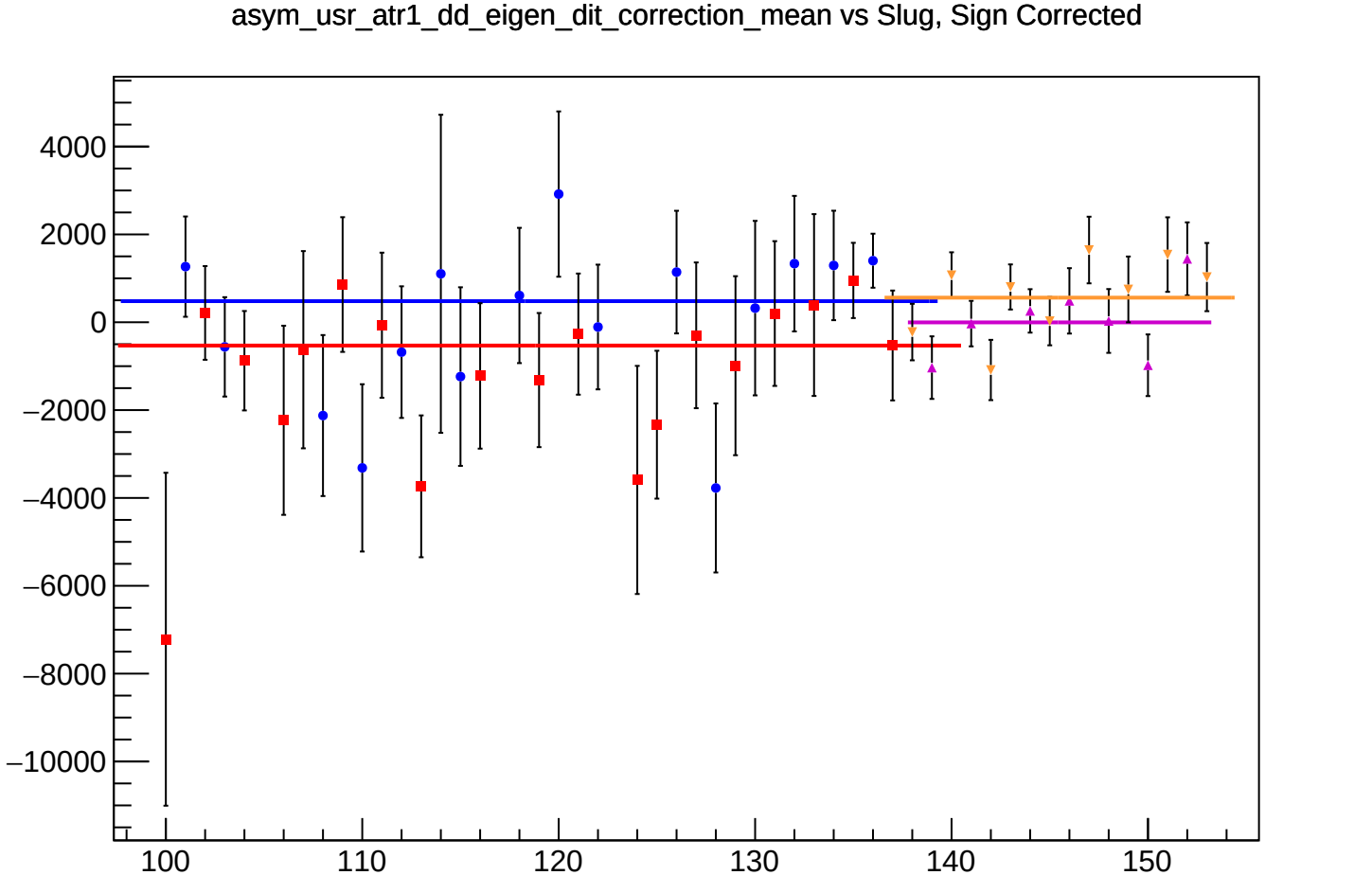
Left: 1313.607+/-0.256 χ^2/NDF: 1179.3/15

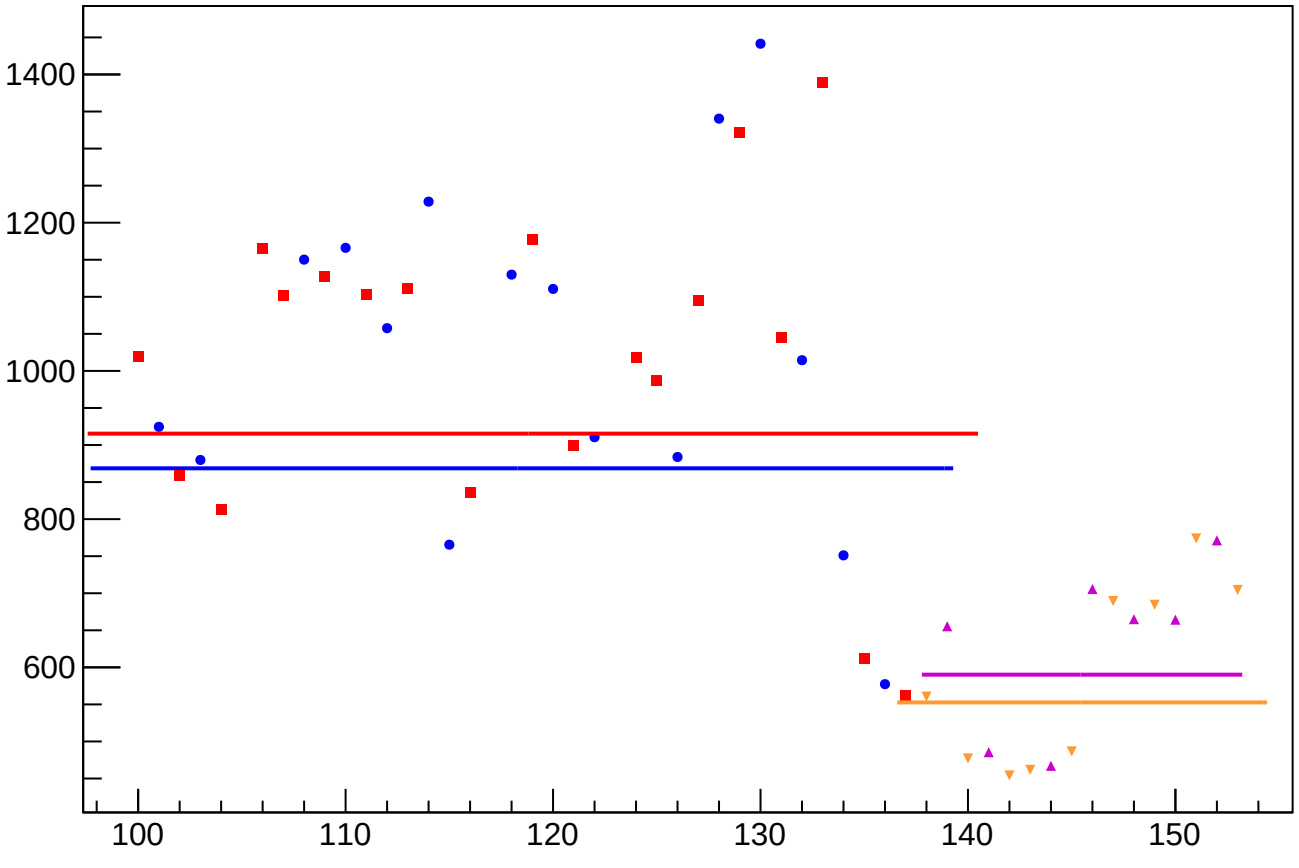
Right: 1362.978+/-0.257 χ^2/NDF: 964337.5/34

In: 1339.934+/-0.263 χ^2/NDF:769118.8/22

Out: 1336.572+/-0.251 χ^2/NDF:214822.7/27

All: 1338.175+/-0.181 χ^2/NDF: 984027.1/50


asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
Right In: 480.400+/-336.519 χ²/NDF: 18.6/15
Left Out: 560.101+/-213.847 χ²/NDF:13.2/8
Right Out: -530.531+/-346.104 χ²/NDF: 15.6/18
Left In: -3.235+/-242.835 χ²/NDF:7.8/6
Left: 314.048+/-160.488 χ²/NDF: 24.0/15
Right: -10.874+/-241.273 χ²/NDF: 38.6/34
In: 162.369+/-196.919 χ²/NDF:27.7/22
Out: 258.775+/-181.922 χ²/NDF:36.0/27
All: 214.383+/-133.626 χ²/NDF: 63.8/50



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 552.669+/-0.151 χ^2/NDF:514149.6/8

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

Left In: 590.127+/-0.172 χ^2/NDF:408916.9/6

Left: 569.030+/-0.113 χ^2/NDF: 949868.3/15

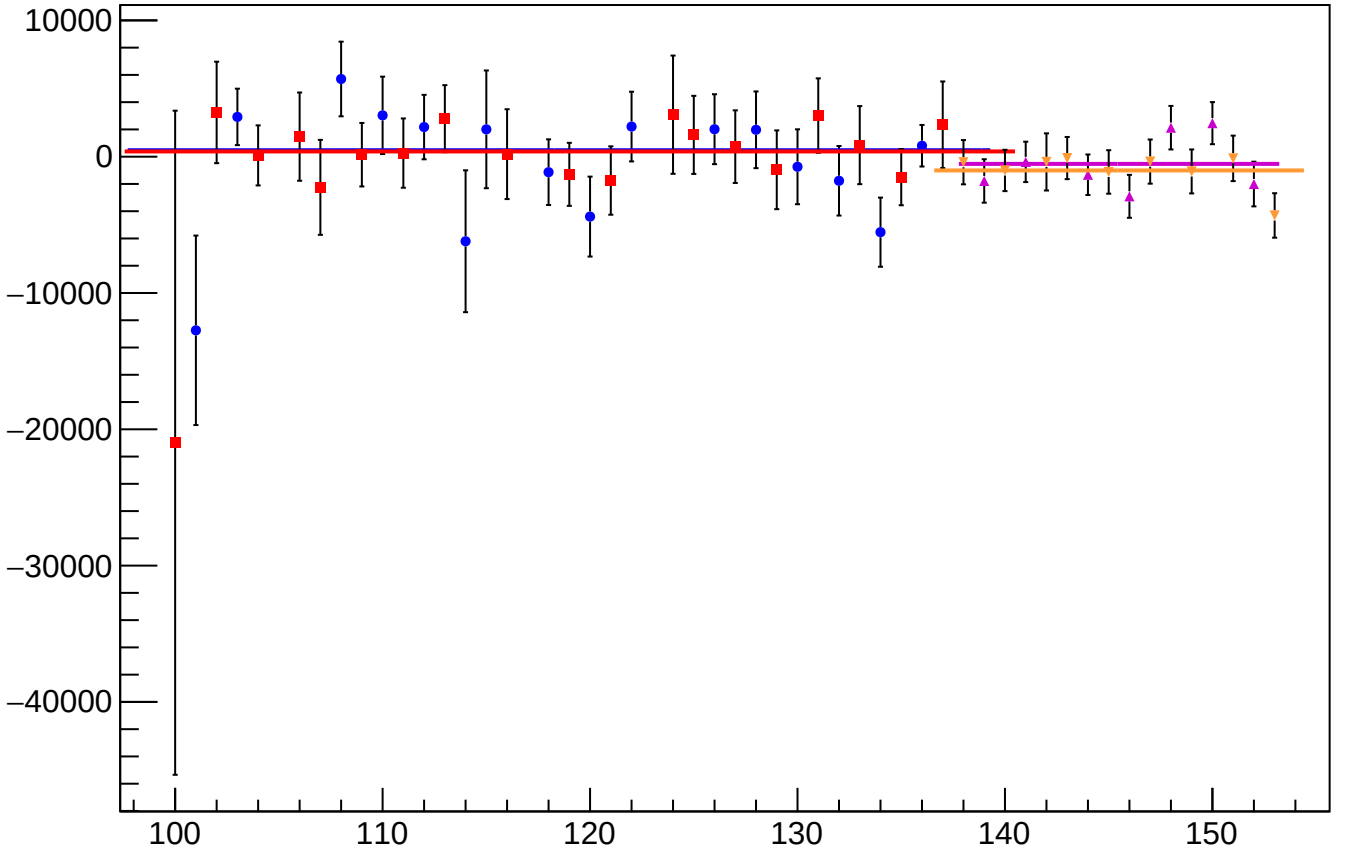
Right: 891.307+/-0.171 χ^2/NDF: 1899032.0/34

In: 685.470+/-0.139 χ^2/NDF:2330647.4/22

Out: 652.875+/-0.129 χ^2/NDF:2962525.2/27

All: 667.884+/-0.094 χ^2/NDF: 5322737.1/50

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -1008.013+/-546.079 χ^2/NDF:5.1/8

Right Out: 384.785+/-641.994 χ^2/NDF: 7.3/18

Left In: -528.530+/-588.424 χ^2/NDF:10.5/6

Left: -786.143+/-400.270 χ^2/NDF: 16.0/15

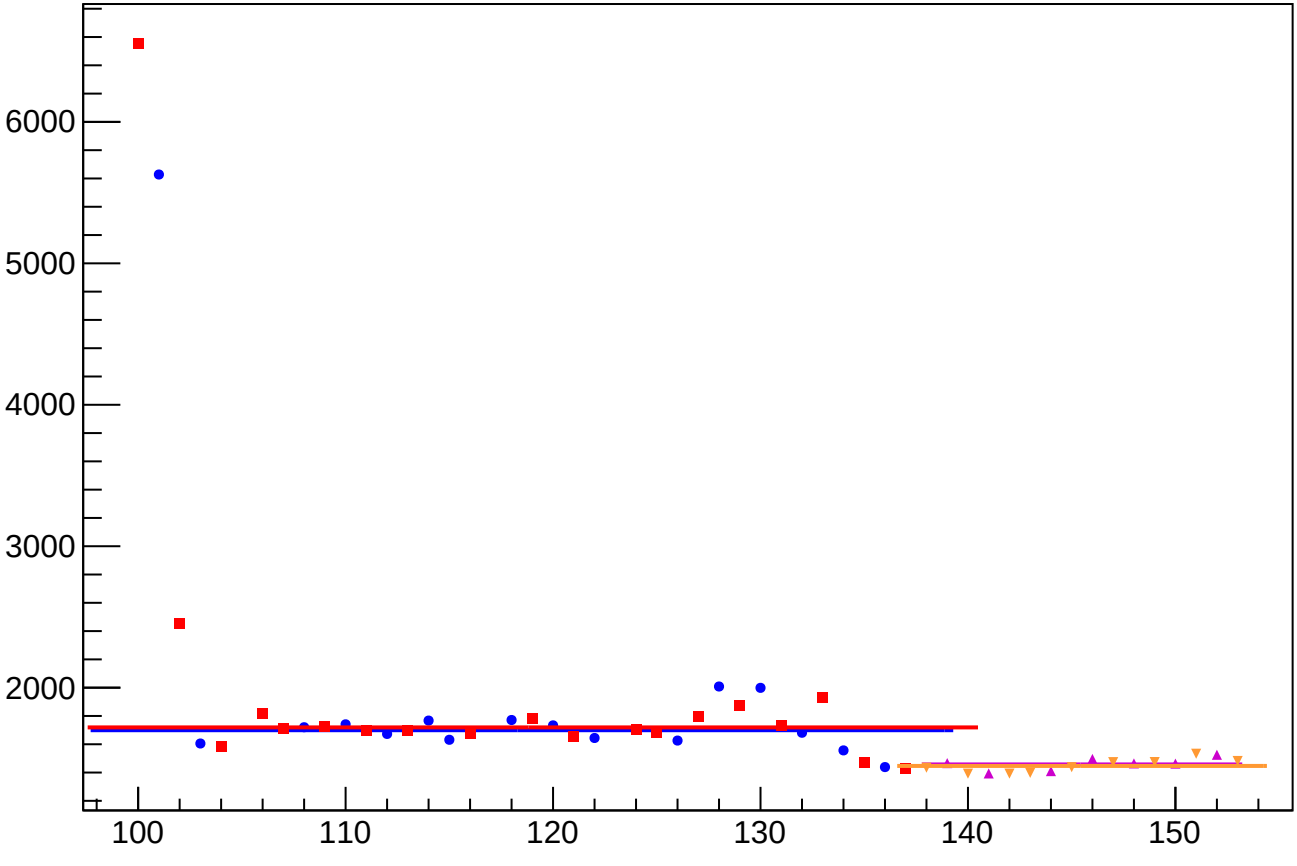
Right: 428.642+/-456.500 χ^2/NDF: 30.0/34

In: -76.639+/-435.999 χ^2/NDF:34.5/22

Out: -423.329+/-415.956 χ^2/NDF:15.1/27

All: -258.135+/-300.962 χ^2/NDF: 50.0/50

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1446.756+/-0.386 χ^2/NDF:13487.6/8

Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1457.271+/-0.416 χ^2/NDF:10560.8/6

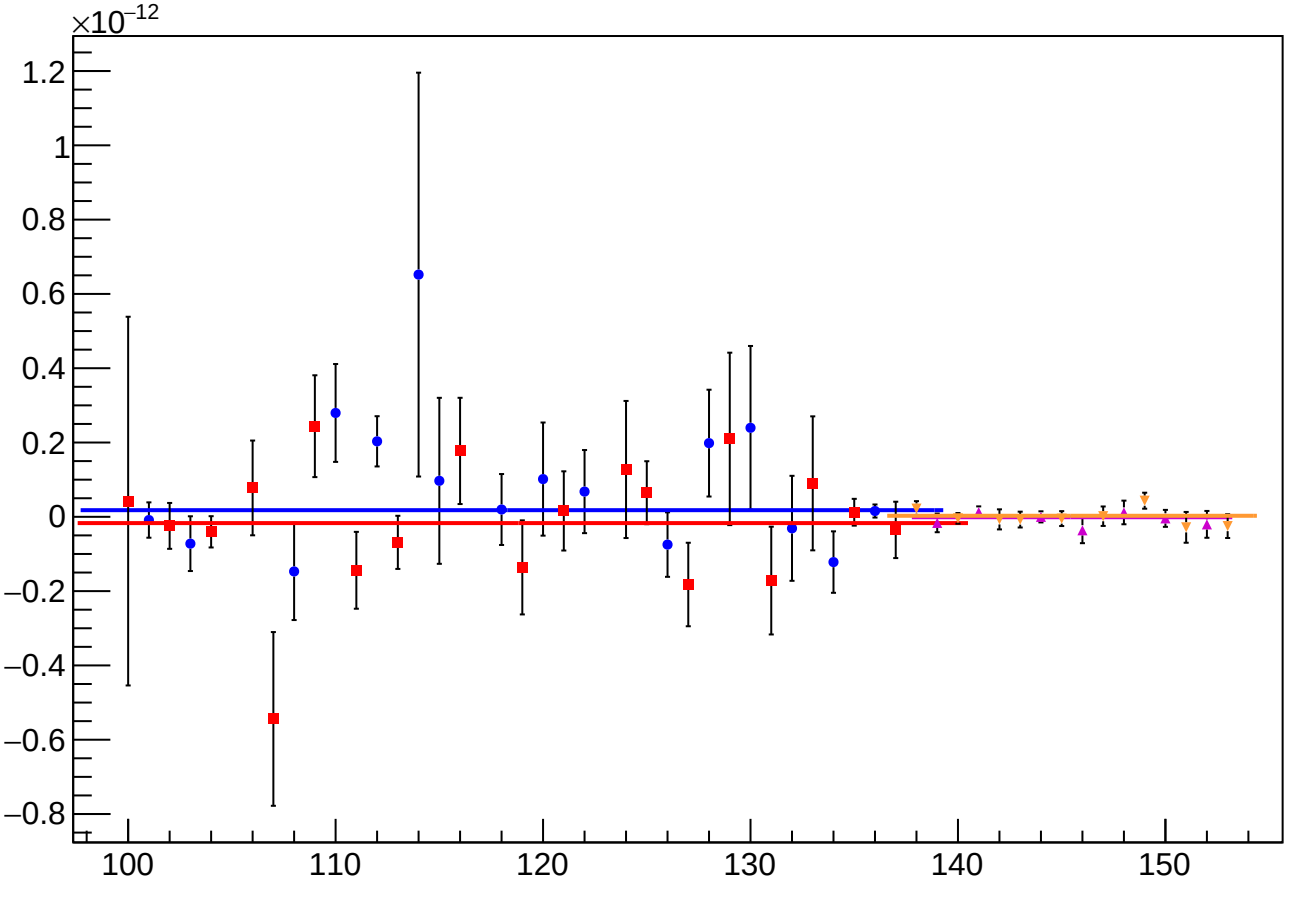
Left: 1451.621+/-0.283 χ^2/NDF: 24391.5/15

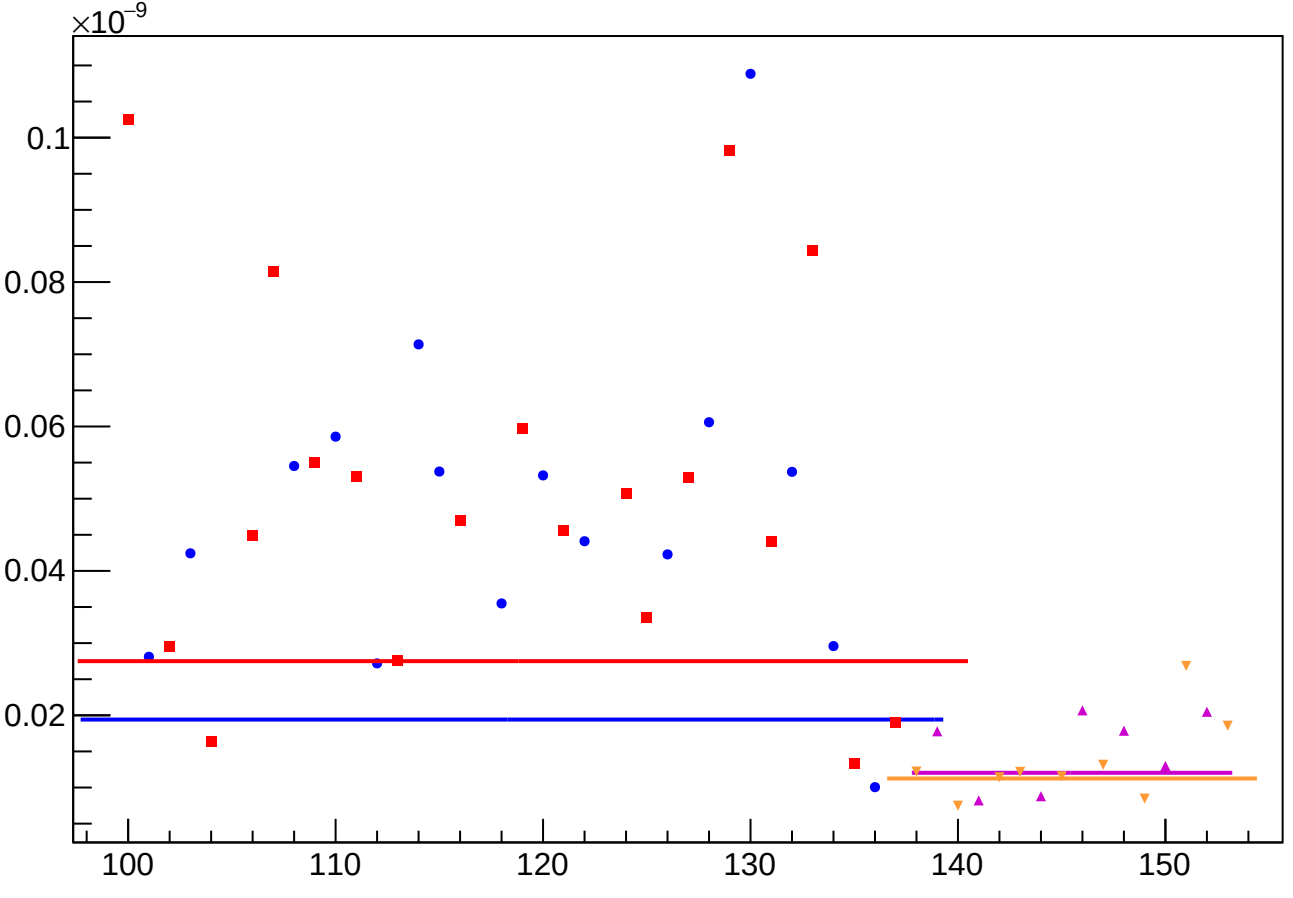
Right: 1709.327+/-0.323 χ^2/NDF: 996787.3/34

In: 1566.434+/-0.308 χ^2/NDF:925291.1/22

Out: 1561.085+/-0.294 χ^2/NDF:456072.2/27

All: 1563.634+/-0.213 χ^2/NDF: 1381521.0/50


asym_usr_atr1_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 23.6/15
Left Out: 0.000+/-0.000 χ²/NDF:6.5/8
Right Out: -0.000+/-0.000 χ²/NDF: 21.3/18
Left In: -0.000+/-0.000 χ²/NDF:2.6/6
Left: 0.000+/-0.000 χ²/NDF: 9.3/15
Right: 0.000+/-0.000 χ²/NDF: 47.0/34
In: 0.000+/-0.000 χ²/NDF:27.5/22
Out: 0.000+/-0.000 χ²/NDF:28.8/27
All: 0.000+/-0.000 χ²/NDF: 56.4/50



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:578161.4/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

Left In: 0.000+/-0.000 χ^2/NDF:624051.9/6

Left: 0.000+/-0.000 χ^2/NDF: 1212399.6/15

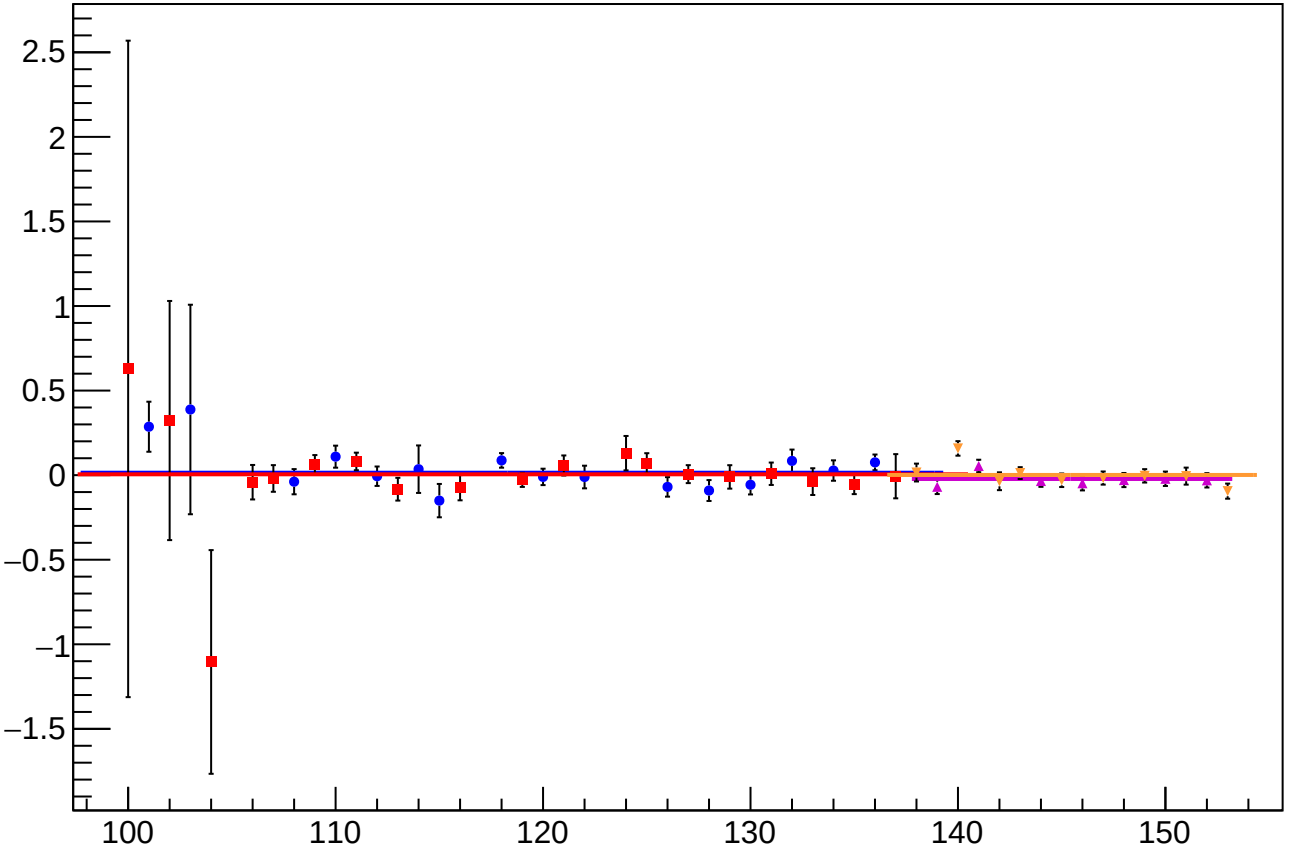
Right: 0.000+/-0.000 χ^2/NDF: 4153449.9/34

In: 0.000+/-0.000 χ^2/NDF:3294708.0/22

Out: 0.000+/-0.000 χ^2/NDF:3489008.6/27

All: 0.000+/-0.000 χ^2/NDF: 6789339.2/50

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: 0.001+/-0.014 χ^2/NDF:19.5/8

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.023+/-0.015 χ^2/NDF:6.0/6

Left: -0.010+/-0.010 χ^2/NDF: 26.7/15

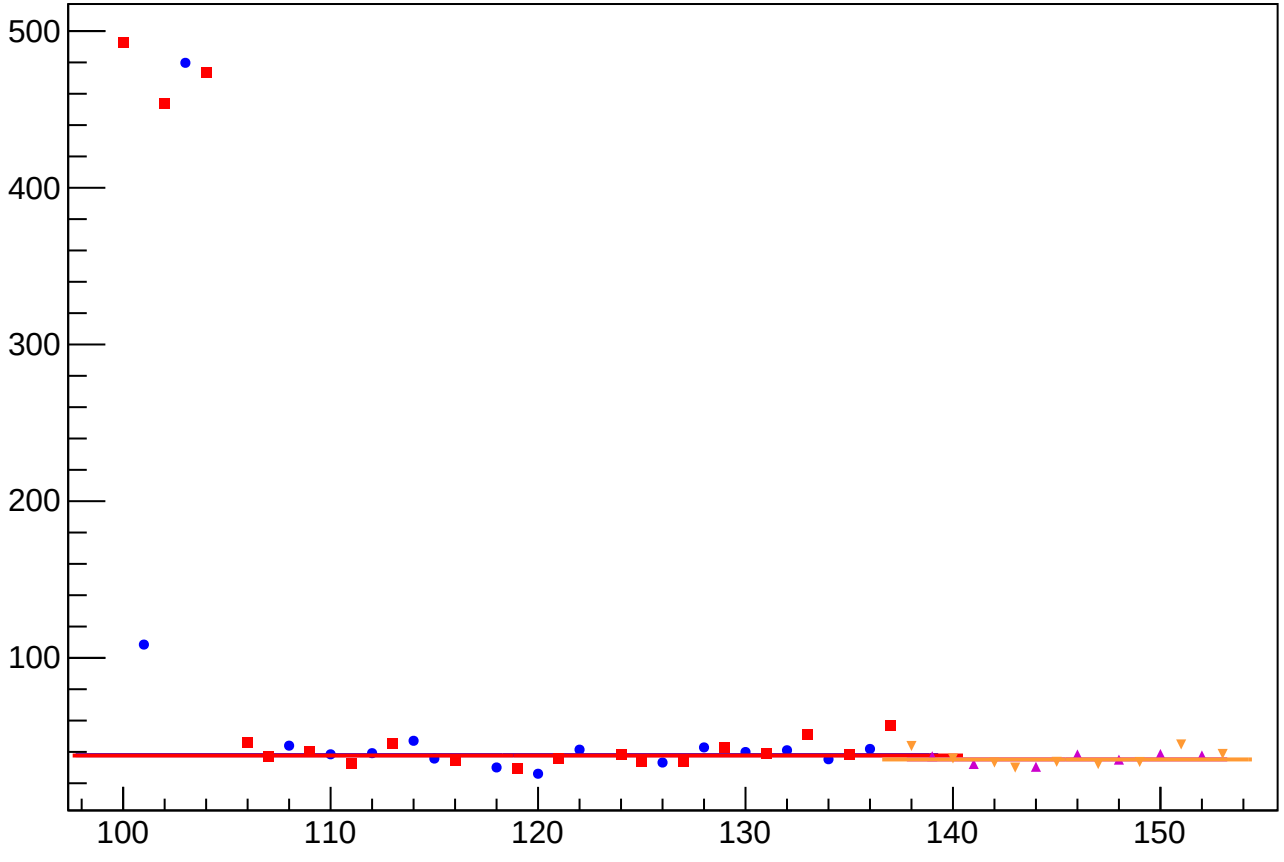
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.005+/-0.011 χ^2/NDF:30.9/22

Out: 0.003+/-0.011 χ^2/NDF:34.4/27

All: -0.001+/-0.008 χ^2/NDF: 65.5/50

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 35.194+/-0.010 χ^2/NDF:202983.0/8

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 35.227+/-0.011 χ^2/NDF:85148.3/6

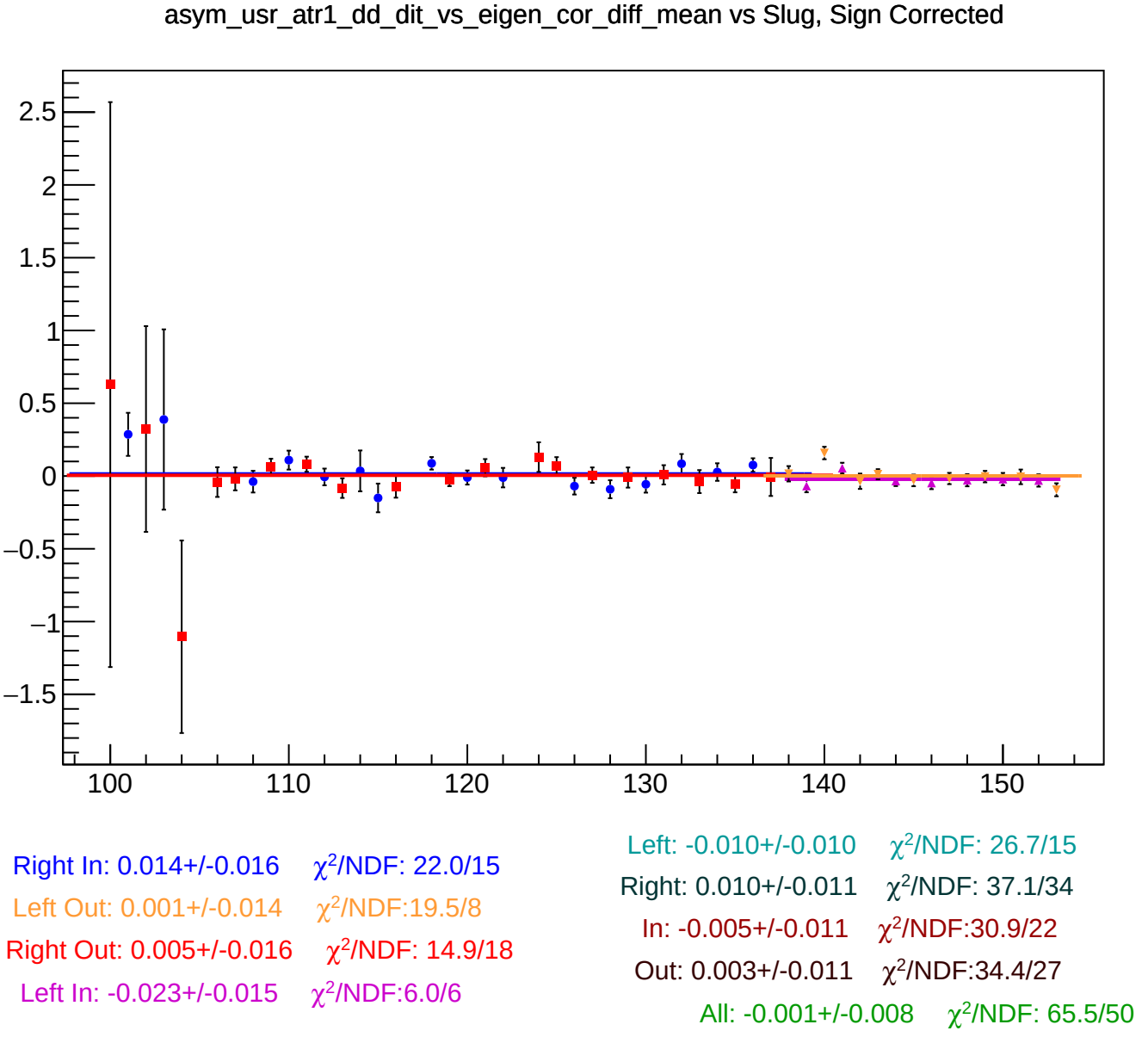
Left: 35.209+/-0.007 χ^2/NDF: 288136.5/15

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

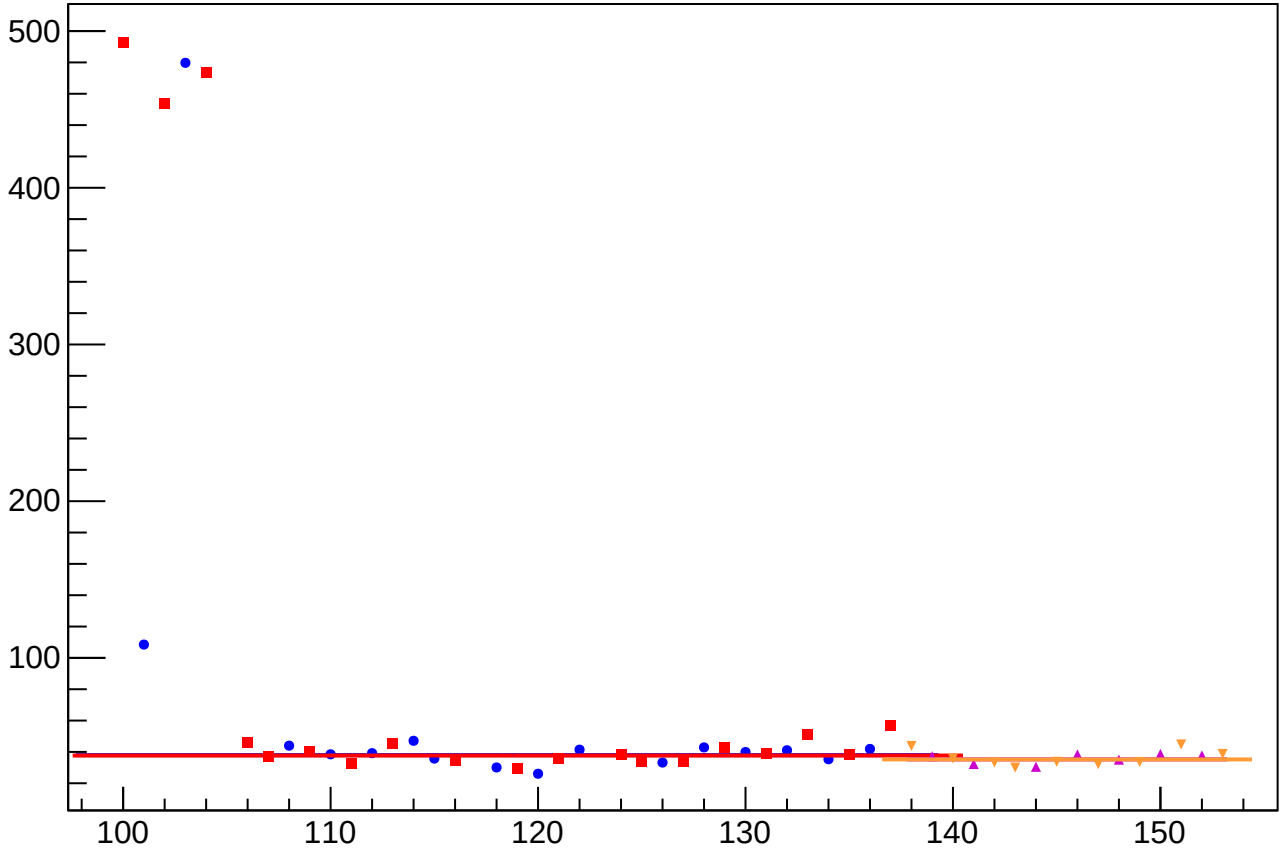
In: 36.519+/-0.008 χ^2/NDF:1855274.0/22

Out: 36.300+/-0.008 χ^2/NDF:2174987.3/27

All: 36.406+/-0.005 χ^2/NDF: 4030669.8/50


asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
Right In: 0.014+/-0.016 χ²/NDF: 22.0/15
Left Out: 0.001+/-0.014 χ²/NDF:19.5/8
Right Out: 0.005+/-0.016 χ²/NDF: 14.9/18
Left In: -0.023+/-0.015 χ²/NDF:6.0/6
Left: -0.010+/-0.010 χ²/NDF: 26.7/15
Right: 0.010+/-0.011 χ²/NDF: 37.1/34
In: -0.005+/-0.011 χ²/NDF:30.9/22
Out: 0.003+/-0.011 χ²/NDF:34.4/27
All: -0.001+/-0.008 χ²/NDF: 65.5/50

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 35.194+/-0.010 χ^2/NDF:202983.0/8

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 35.227+/-0.011 χ^2/NDF:85148.3/6

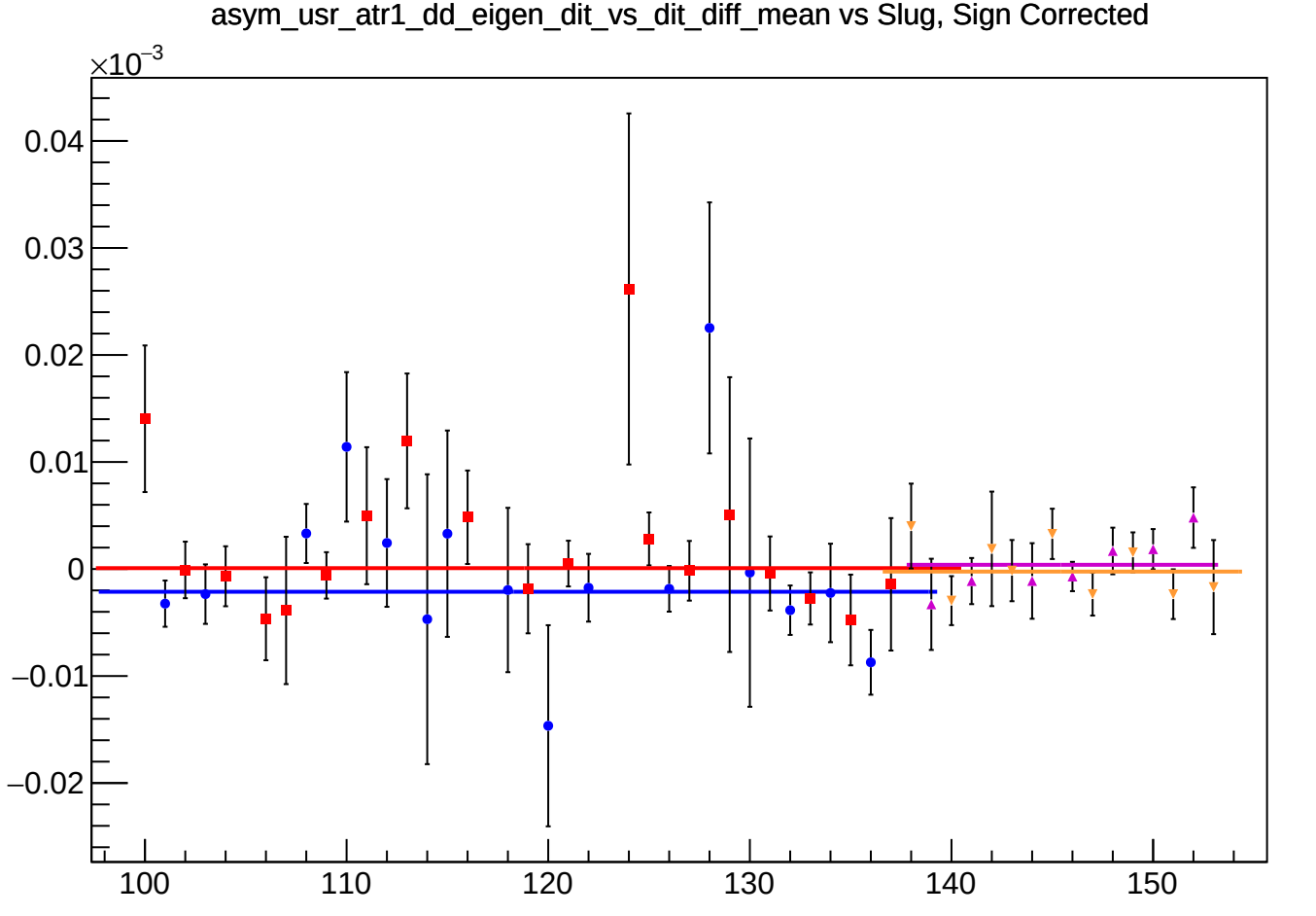
Left: 35.209+/-0.007 χ^2/NDF: 288136.5/15

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 36.519+/-0.008 χ^2/NDF:1855274.0/22

Out: 36.300+/-0.008 χ^2/NDF:2174987.3/27

All: 36.406+/-0.005 χ^2/NDF: 4030669.8/50



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.9/8

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:5.5/6

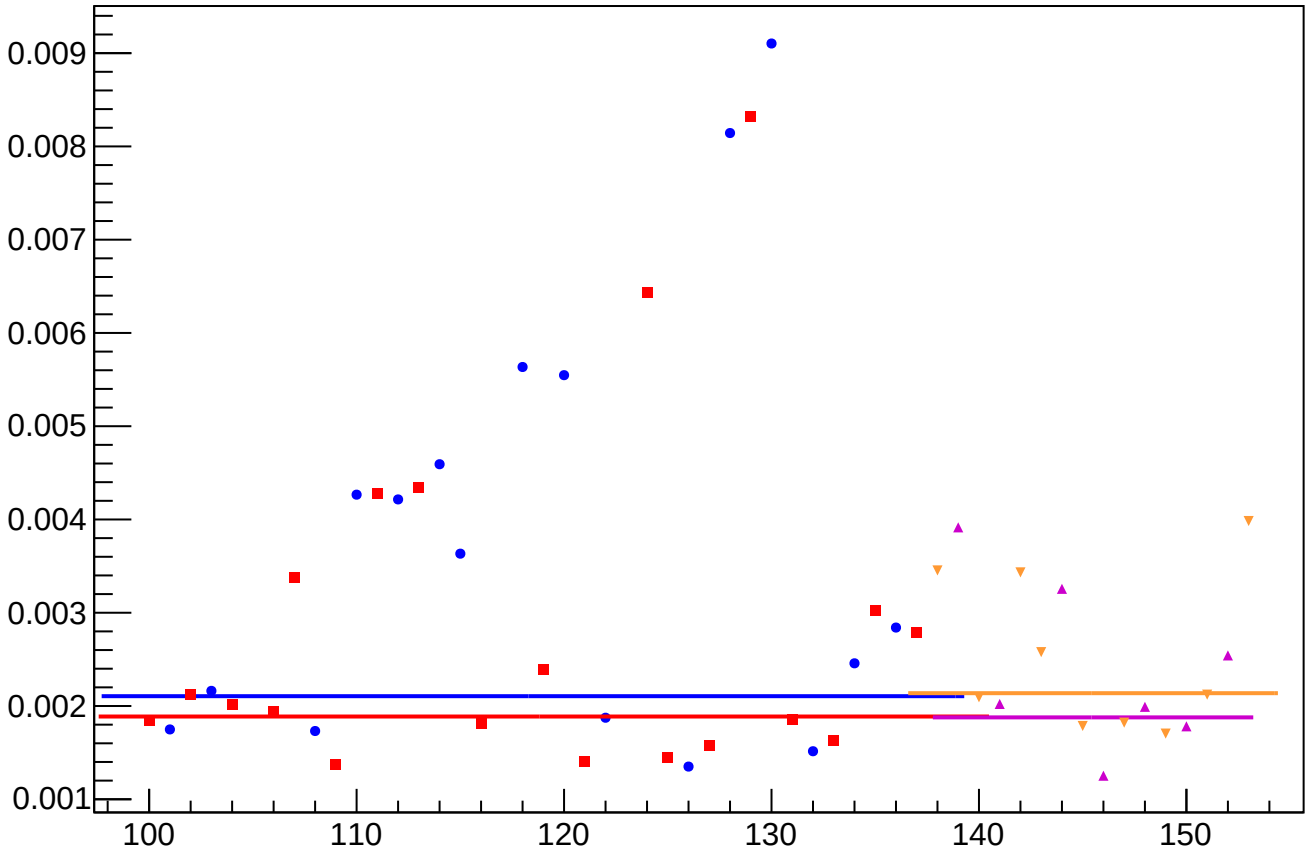
Left: 0.000+/-0.000 χ^2/NDF: 13.7/15

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

In: -0.000+/-0.000 χ^2/NDF:30.2/22

Out: -0.000+/-0.000 χ^2/NDF:26.4/27

All: -0.000+/-0.000 χ^2/NDF: 57.2/50



Right In: 0.002+/-0.000 χ^2/NDF: 3017568.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:940558.5/8

Right Out: 0.002+/-0.000 χ^2/NDF: 1892000.0/18

Left In: 0.002+/-0.000 χ^2/NDF:1309689.2/6

Left: 0.002+/-0.000 χ^2/NDF: 2346580.0/15

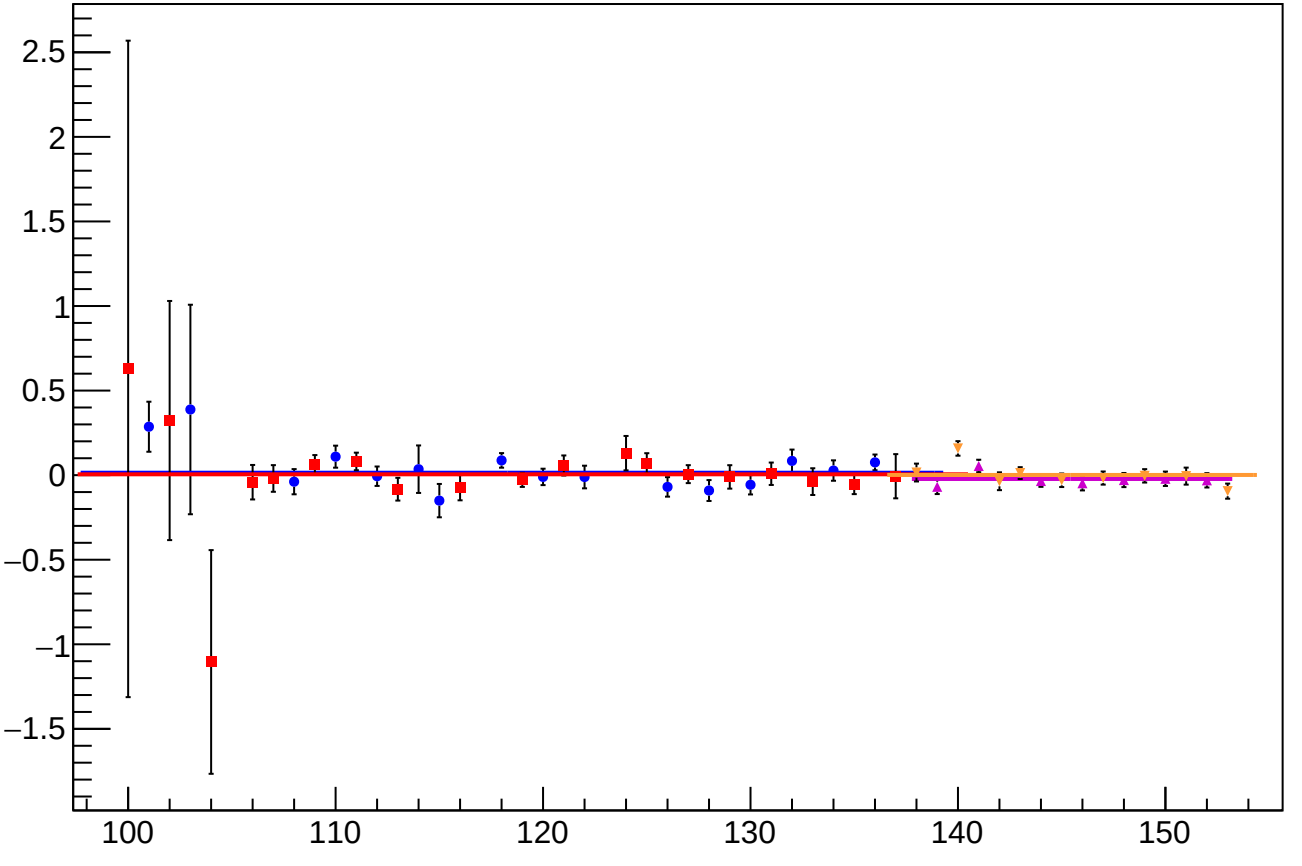
Right: 0.002+/-0.000 χ^2/NDF: 4976274.3/34

In: 0.002+/-0.000 χ^2/NDF:4397628.6/22

Out: 0.002+/-0.000 χ^2/NDF:2924981.6/27

All: 0.002+/-0.000 χ^2/NDF: 7323895.6/50

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.001+/-0.014 χ^2/NDF:19.5/8

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.023+/-0.015 χ^2/NDF:6.0/6

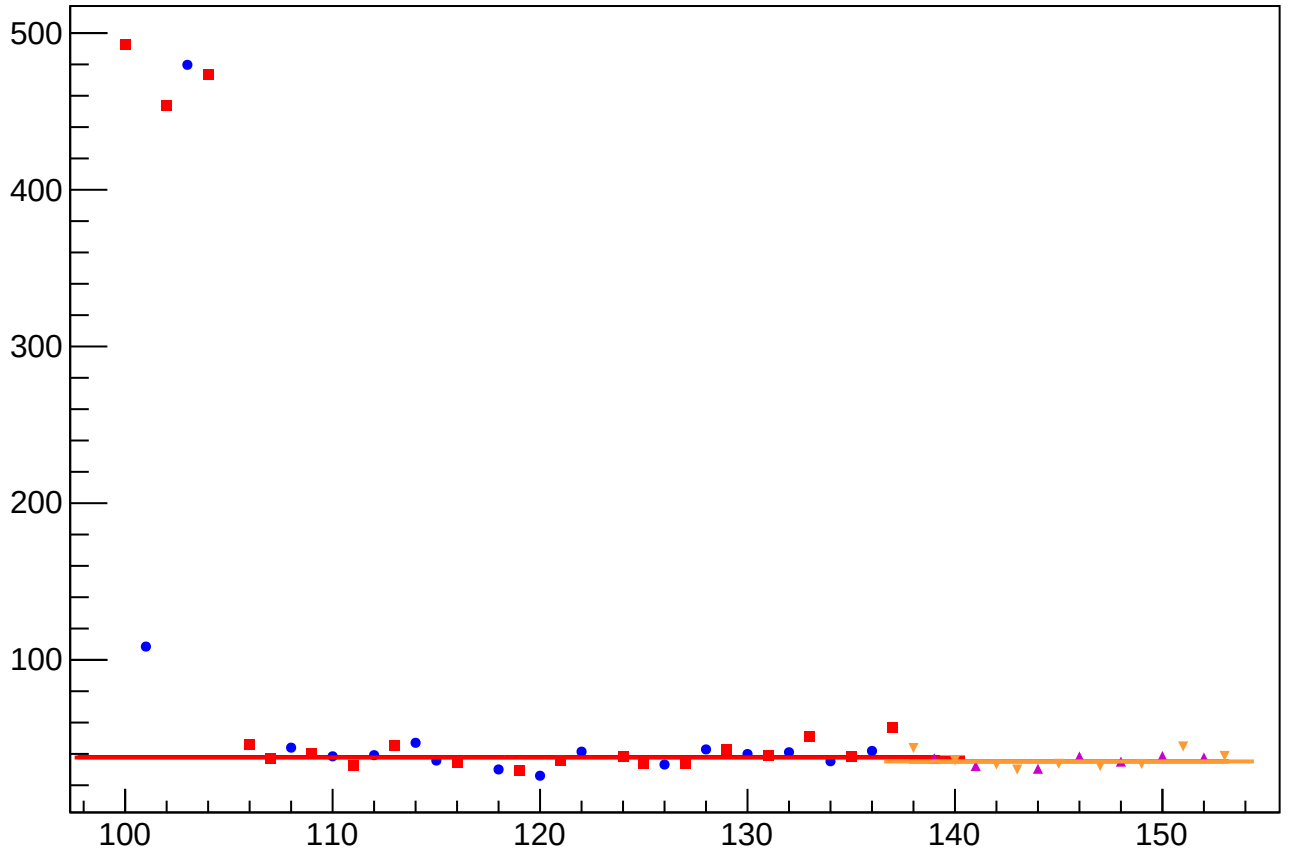
Left: -0.010+/-0.010 χ^2/NDF: 26.7/15

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.005+/-0.011 χ^2/NDF:30.9/22

Out: 0.003+/-0.011 χ^2/NDF:34.4/27

All: -0.001+/-0.008 χ^2/NDF: 65.5/50



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 35.193+/-0.010 χ^2/NDF:203030.3/8

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 35.227+/-0.011 χ^2/NDF:85158.6/6

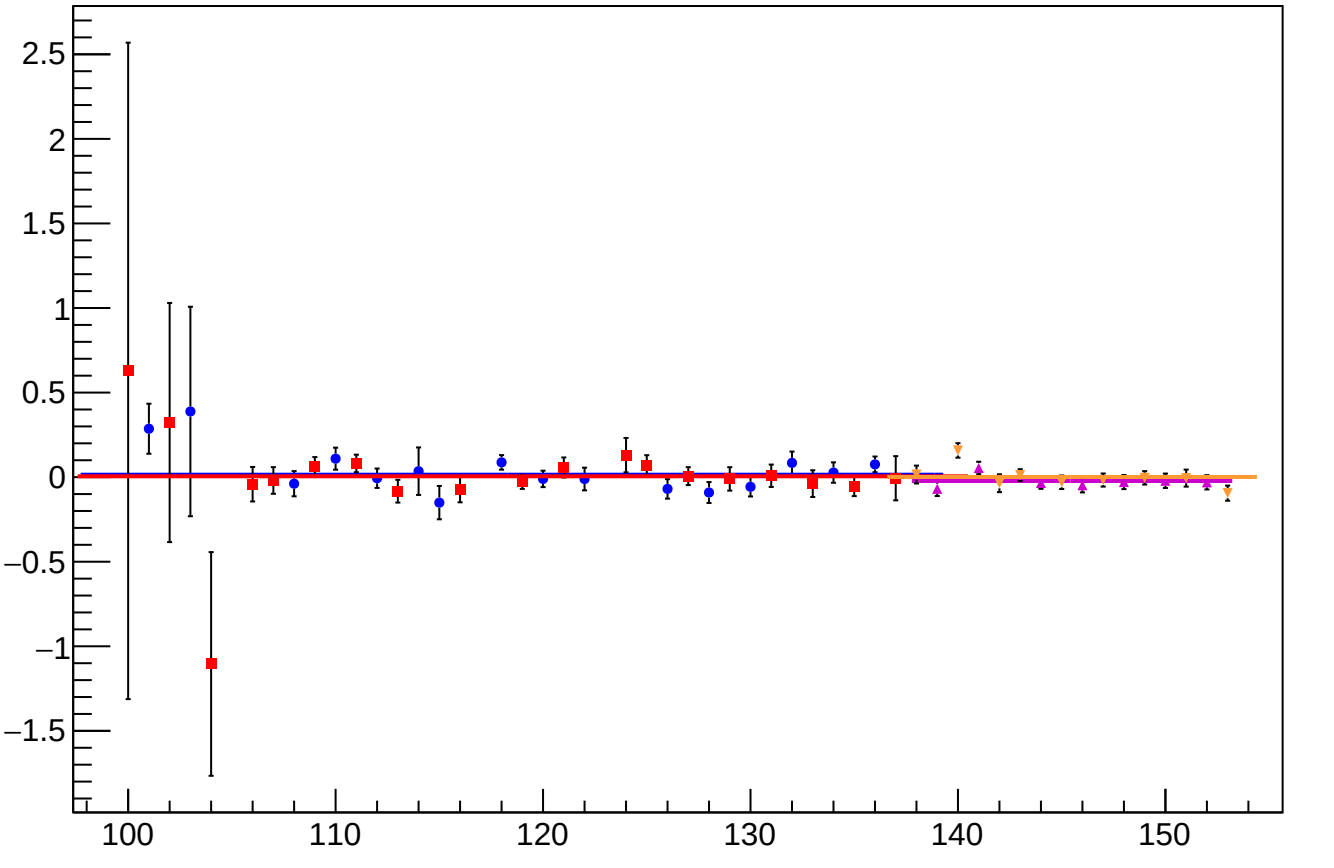
Left: 35.209+/-0.007 χ^2/NDF: 288194.0/15

Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 36.518+/-0.008 χ^2/NDF:1855292.8/22

Out: 36.299+/-0.008 χ^2/NDF:2175091.0/27

All: 36.406+/-0.005 χ^2/NDF: 4030793.0/50



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.001+/-0.014 χ^2/NDF:19.5/8

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.023+/-0.015 χ^2/NDF:6.0/6

Left: -0.010+/-0.010 χ^2/NDF: 26.7/15

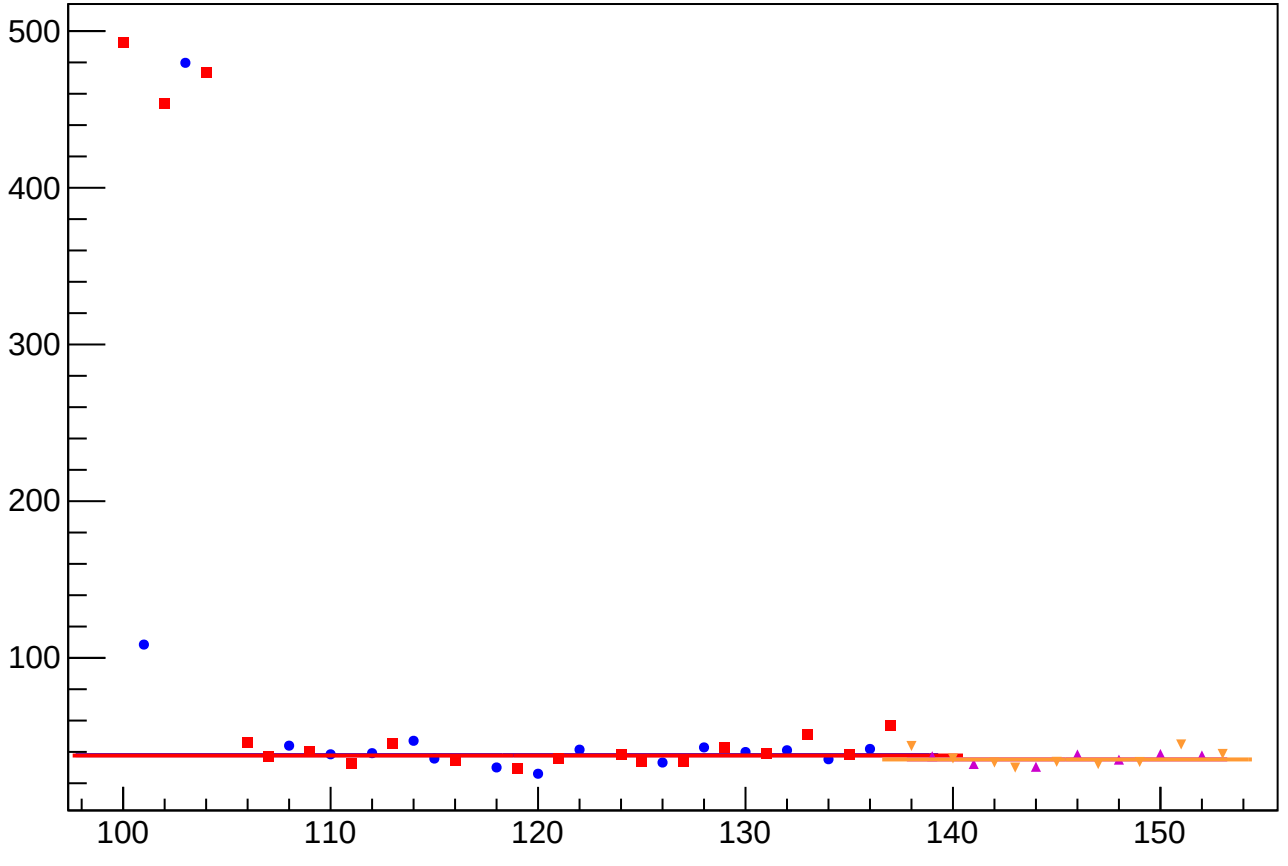
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.005+/-0.011 χ^2/NDF:30.9/22

Out: 0.003+/-0.011 χ^2/NDF:34.4/27

All: -0.001+/-0.008 χ^2/NDF: 65.5/50

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: 35.193+/-0.010 χ^2/NDF:203030.3/8

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 35.227+/-0.011 χ^2/NDF:85158.6/6

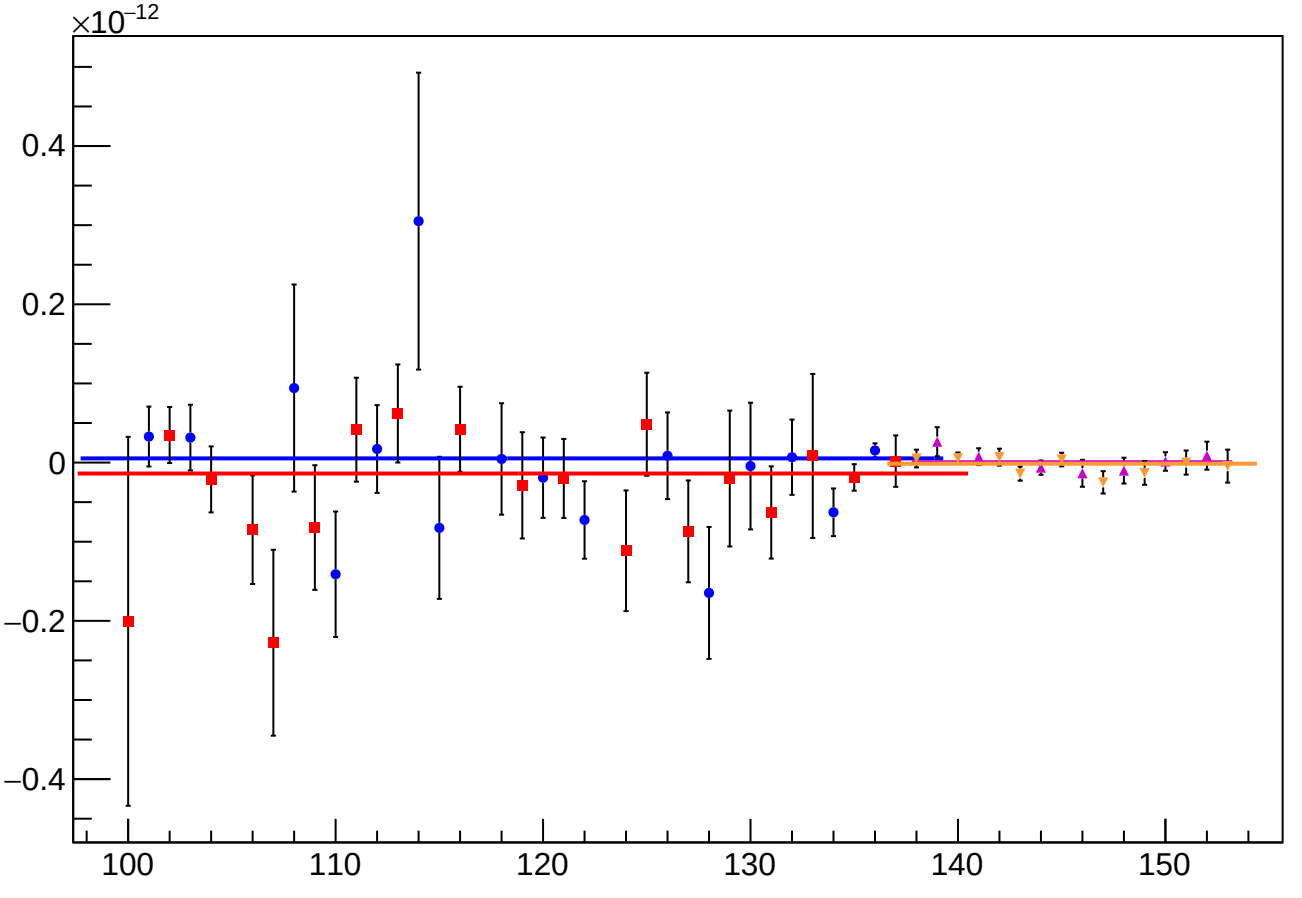
Left: 35.209+/-0.007 χ^2/NDF: 288194.0/15

Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 36.518+/-0.008 χ^2/NDF:1855292.8/22

Out: 36.299+/-0.008 χ^2/NDF:2175091.0/27

All: 36.406+/-0.005 χ^2/NDF: 4030793.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.6/8

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

Left In: 0.000+/-0.000 χ^2/NDF:4.3/6

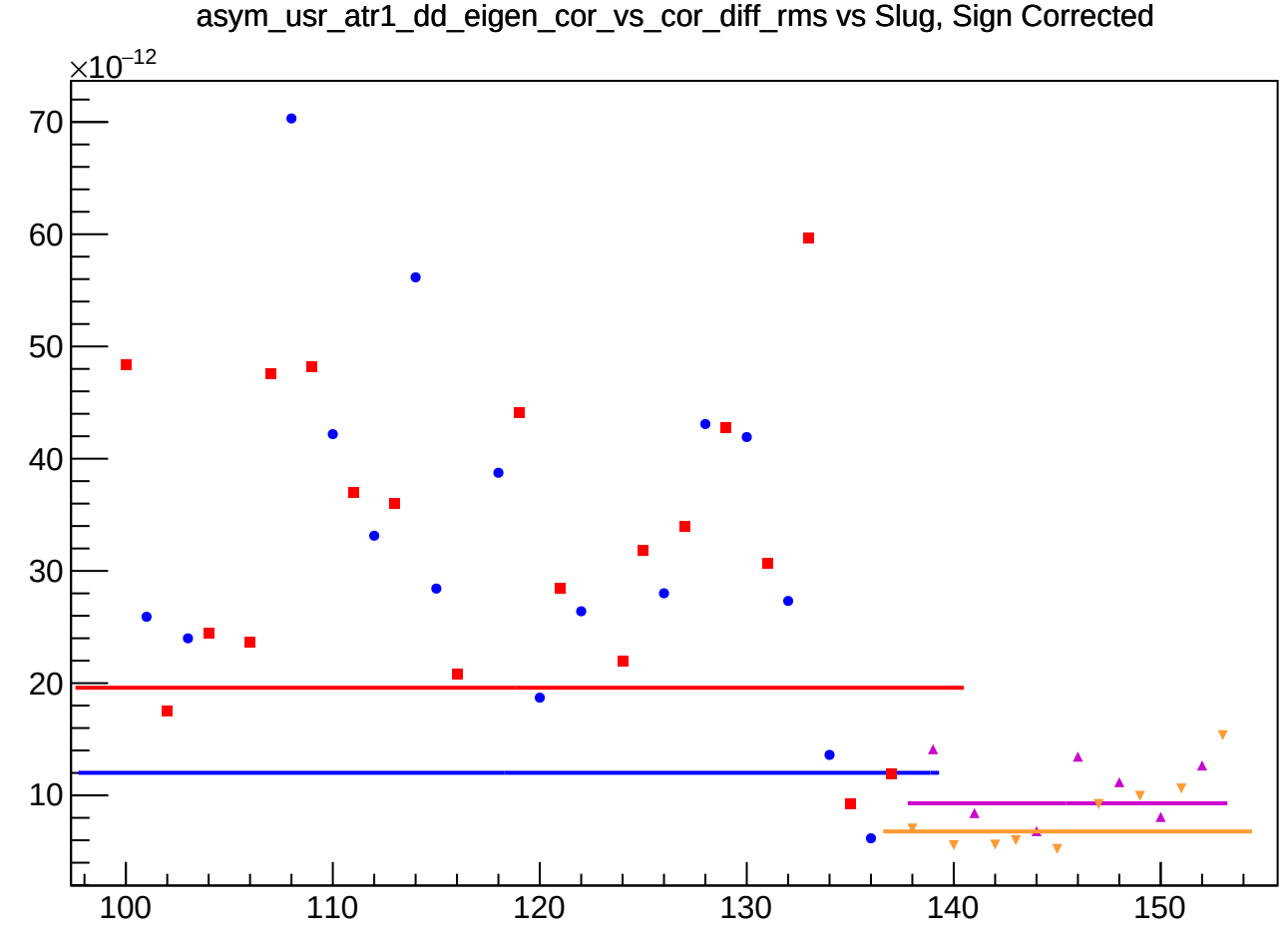
Left: -0.000+/-0.000 χ^2/NDF: 12.0/15

Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: 0.000+/-0.000 χ^2/NDF:26.3/22

Out: -0.000+/-0.000 χ^2/NDF:24.8/27

All: -0.000+/-0.000 χ^2/NDF: 51.8/50



Right In: 0.000+/-0.000 χ^2/NDF: 3869196.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:775771.6/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2619469.9/18

Left In: 0.000+/-0.000 χ^2/NDF:541223.3/6

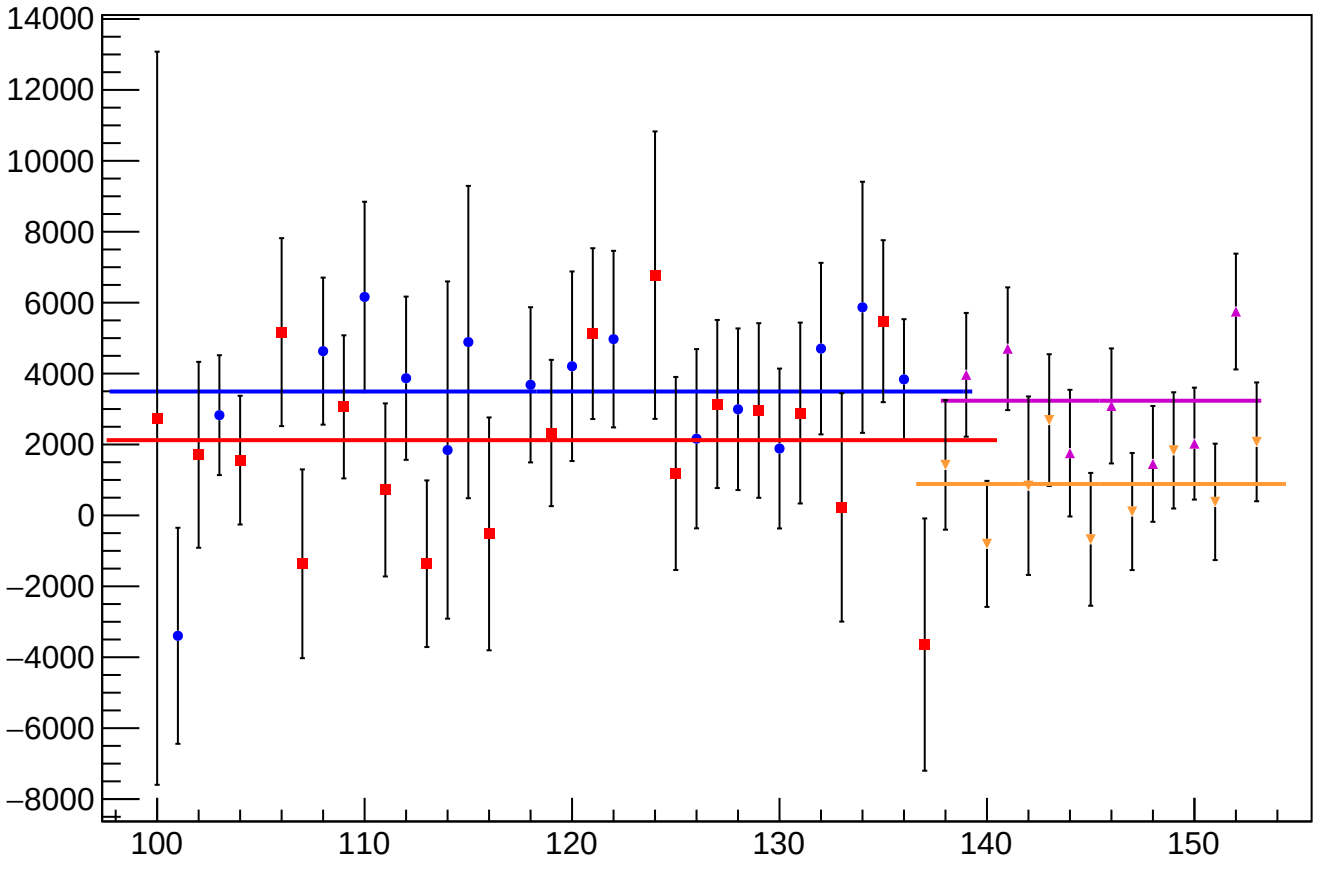
Left: 0.000+/-0.000 χ^2/NDF: 1658033.9/15

Right: 0.000+/-0.000 χ^2/NDF: 7170019.9/34

In: 0.000+/-0.000 χ^2/NDF:4592744.1/22

Out: 0.000+/-0.000 χ^2/NDF:6033103.0/27

All: 0.000+/-0.000 χ^2/NDF: 10904285.7/50



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 886.492+/-596.059 χ^2/NDF:3.8/8

Right Out: 2121.717+/-587.617 χ^2/NDF: 15.1/18

Left In: 3234.253+/-631.549 χ^2/NDF:5.7/6

Left: 1992.557+/-433.481 χ^2/NDF: 16.8/15

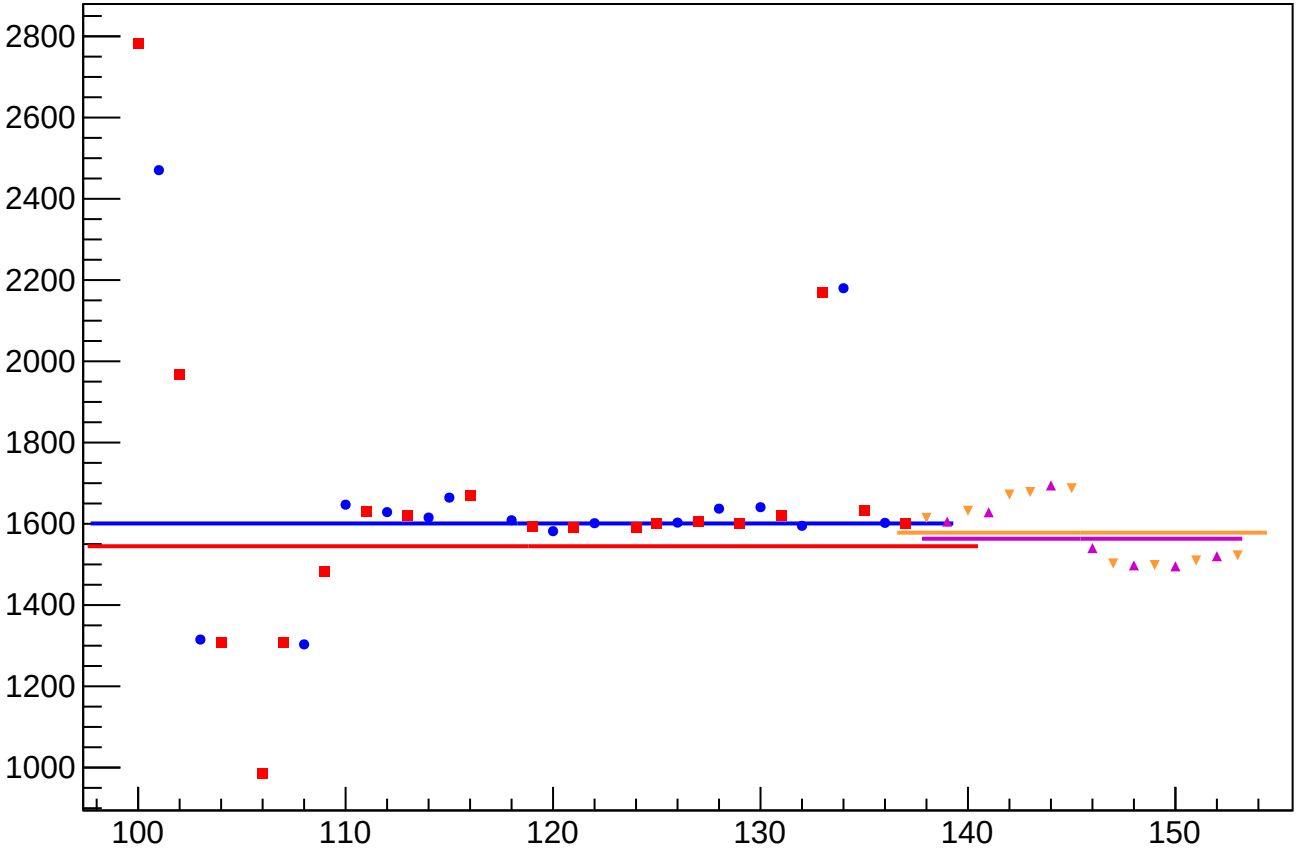
Right: 2792.384+/-420.223 χ^2/NDF: 26.6/34

In: 3370.720+/-435.441 χ^2/NDF:14.6/22

Out: 1512.915+/-418.461 χ^2/NDF:21.0/27

All: 2404.889+/-301.721 χ^2/NDF: 45.1/50

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1578.221+/-0.421 χ^2/NDF:32658.1/8

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

Left In: 1563.297+/-0.447 χ^2/NDF:23512.0/6

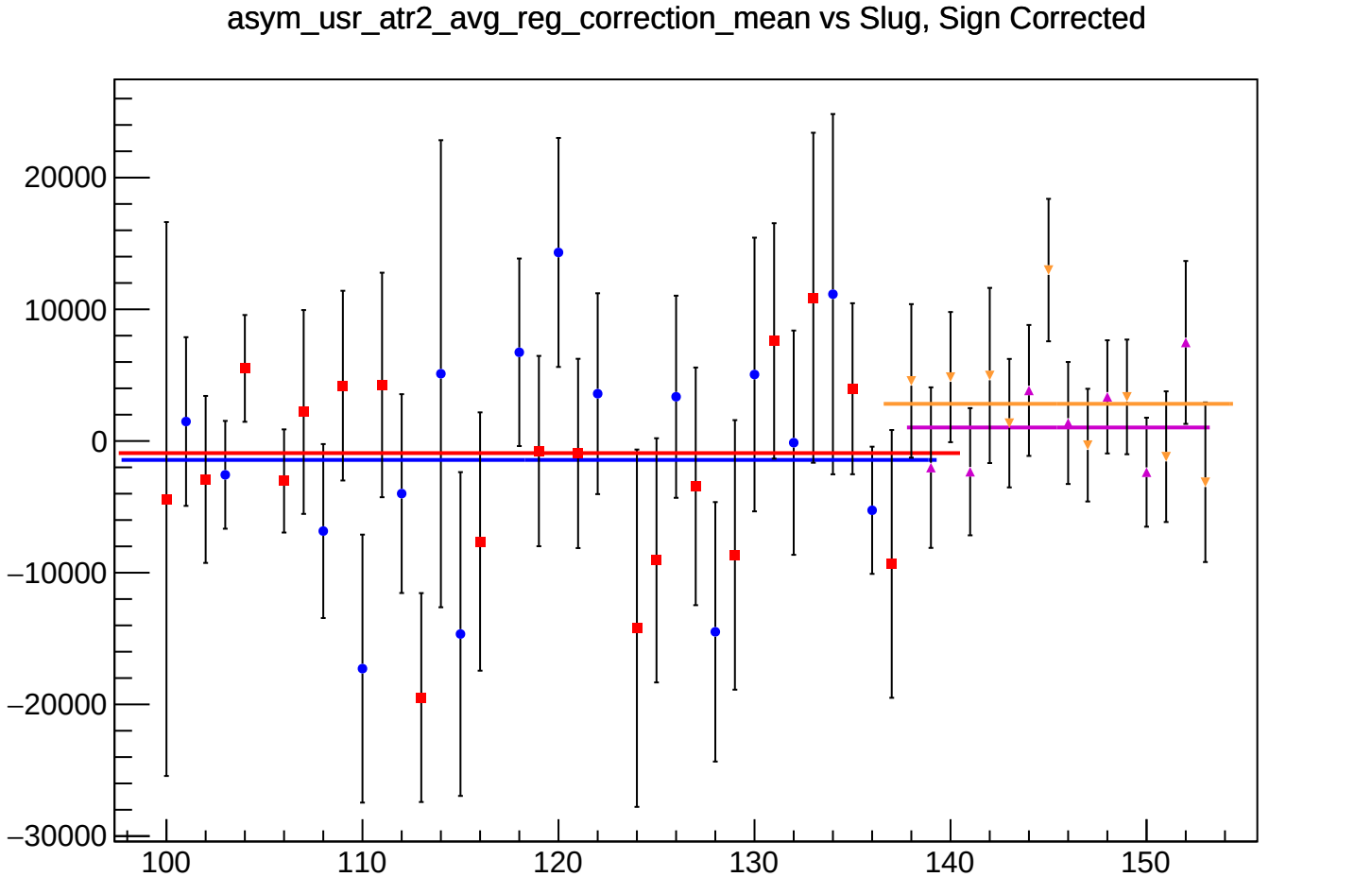
Left: 1571.190+/-0.307 χ^2/NDF: 56760.8/15

Right: 1571.734+/-0.295 χ^2/NDF: 702584.8/34

In: 1583.014+/-0.308 χ^2/NDF:344641.6/22

Out: 1560.996+/-0.293 χ^2/NDF:412025.3/27

All: 1571.473+/-0.212 χ^2/NDF: 759347.2/50



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 2823.280+/-1704.024 χ^2/NDF:6.2/8

Right Out: -918.485+/-1669.278 χ^2/NDF: 15.3/18

Left In: 1027.964+/-1839.448 χ^2/NDF:3.1/6

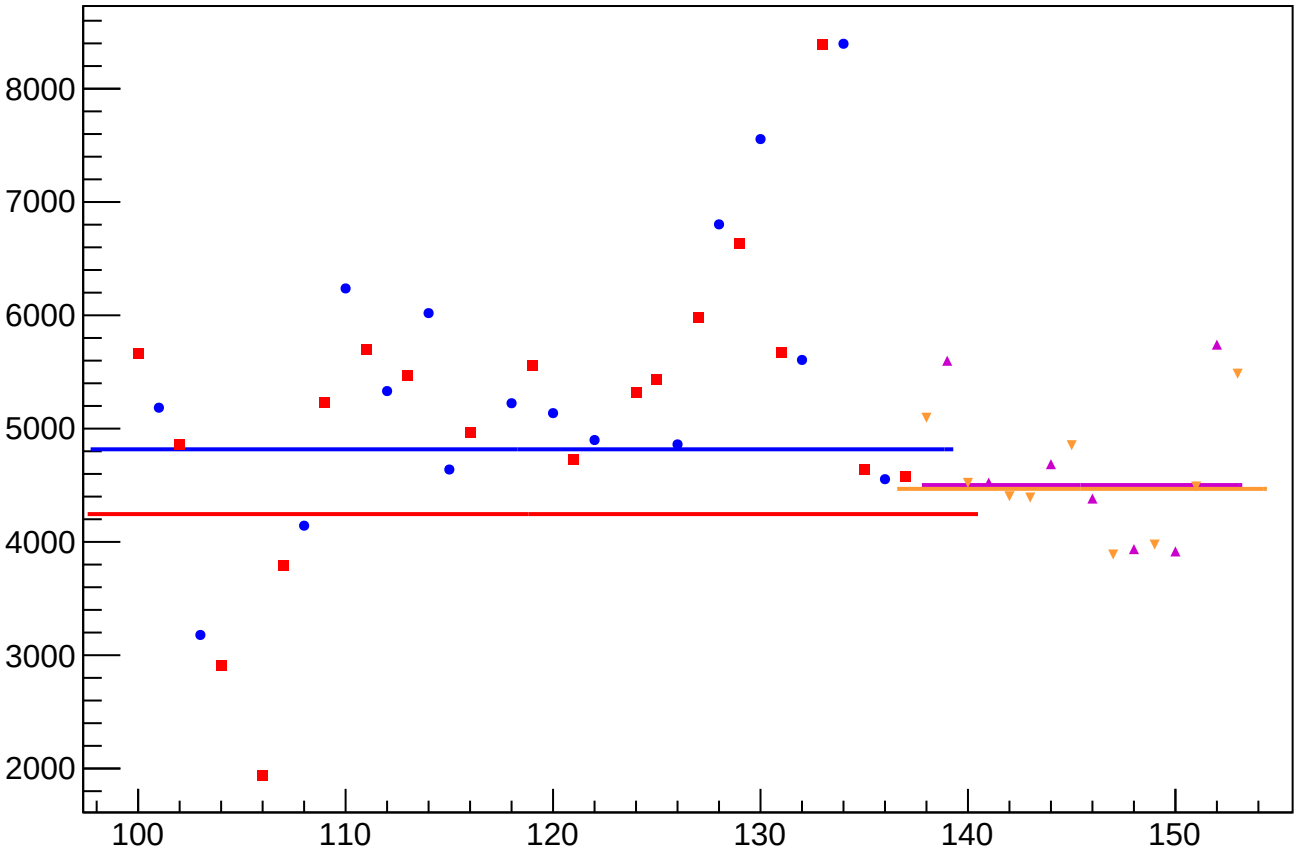
Left: 1994.135+/-1250.064 χ^2/NDF: 9.8/15

Right: -1151.477+/-1238.823 χ^2/NDF: 29.2/34

In: -198.669+/-1303.800 χ^2/NDF:17.9/22

Out: 913.860+/-1192.452 χ^2/NDF:24.0/27

All: 407.123+/-879.928 χ^2/NDF: 42.2/50



Right In: 4817.344+/-1.307 χ^2/NDF: 795431.1/15

Left Out: 4468.243+/-1.205 χ^2/NDF:152762.9/8

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

Left In: 4501.790+/-1.301 χ^2/NDF:223904.9/6

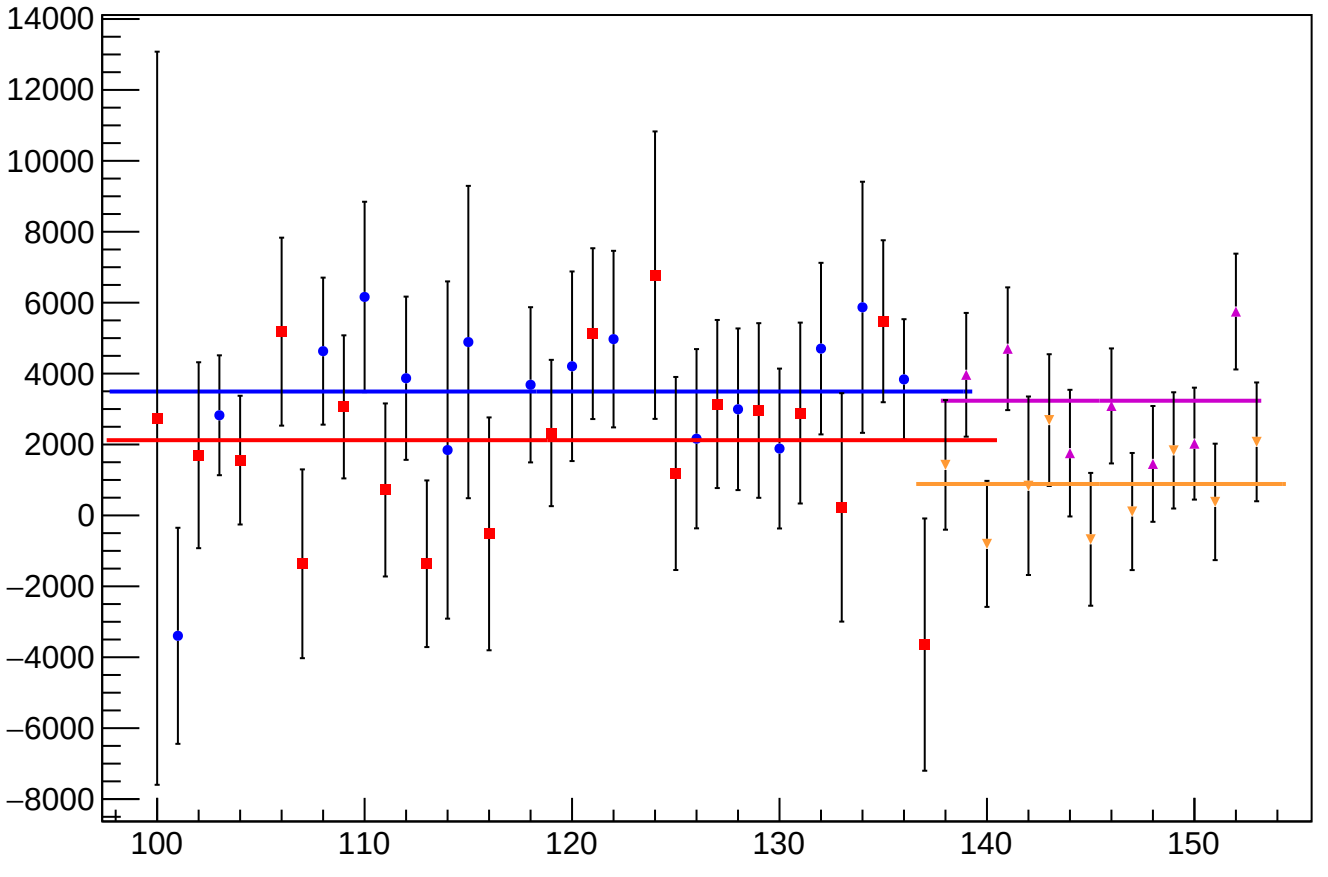
Left: 4483.736+/-0.884 χ^2/NDF: 377025.8/15

Right: 4502.414+/-0.876 χ^2/NDF: 2584018.5/34

In: 4658.810+/-0.922 χ^2/NDF:1048623.7/22

Out: 4354.594+/-0.843 χ^2/NDF:1853355.4/27

All: 4493.159+/-0.622 χ^2/NDF: 2961269.6/50



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 886.378+/-596.059 χ^2/NDF:3.8/8

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 3234.364+/-631.549 χ^2/NDF:5.7/6

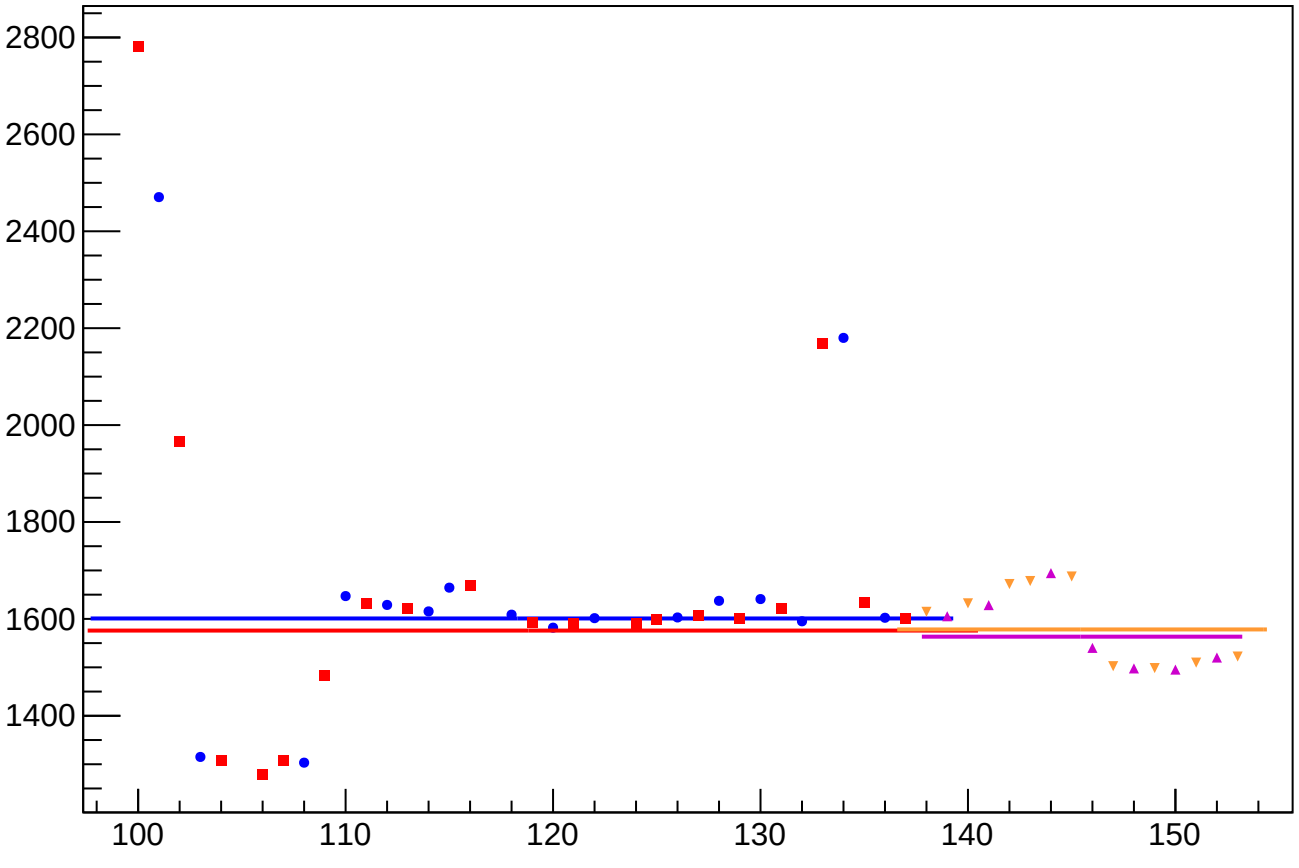
Left: 1992.548+/-433.481 χ^2/NDF: 16.8/15

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3370.597+/-435.441 χ^2/NDF:14.6/22

Out: 1512.851+/-418.462 χ^2/NDF:21.0/27

All: 2404.799+/-301.721 χ^2/NDF: 45.1/50



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1578.221+/-0.421 χ^2/NDF:32658.1/8

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1563.297+/-0.447 χ^2/NDF:23512.0/6

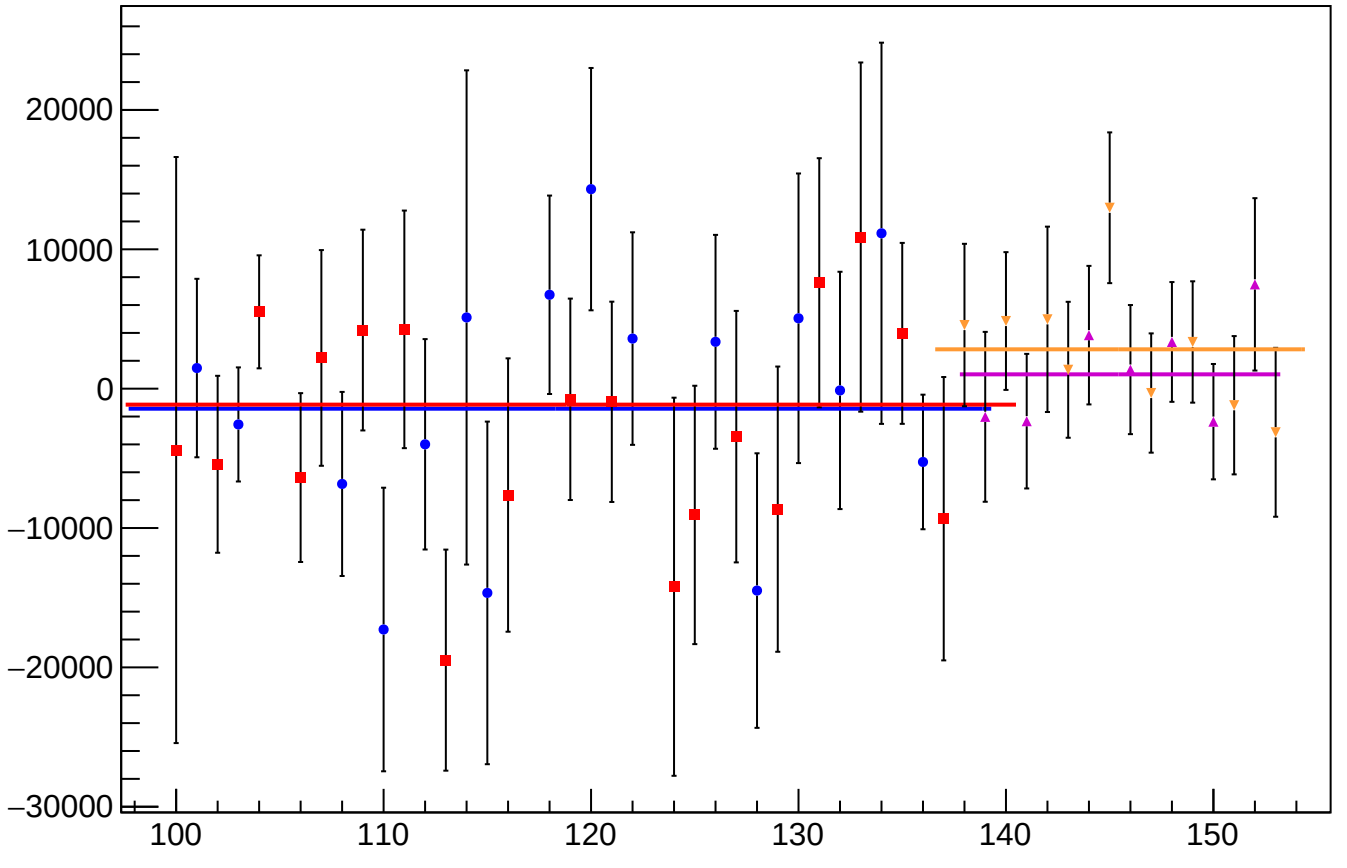
Left: 1571.190+/-0.307 χ^2/NDF: 56760.8/15

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1583.014+/-0.308 χ^2/NDF:344640.8/22

Out: 1577.040+/-0.295 χ^2/NDF:276005.5/27

All: 1579.902+/-0.213 χ^2/NDF: 620842.4/50



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 2823.239+/-1704.020 χ^2/NDF:6.2/8

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 1028.110+/-1839.448 χ^2/NDF:3.1/6

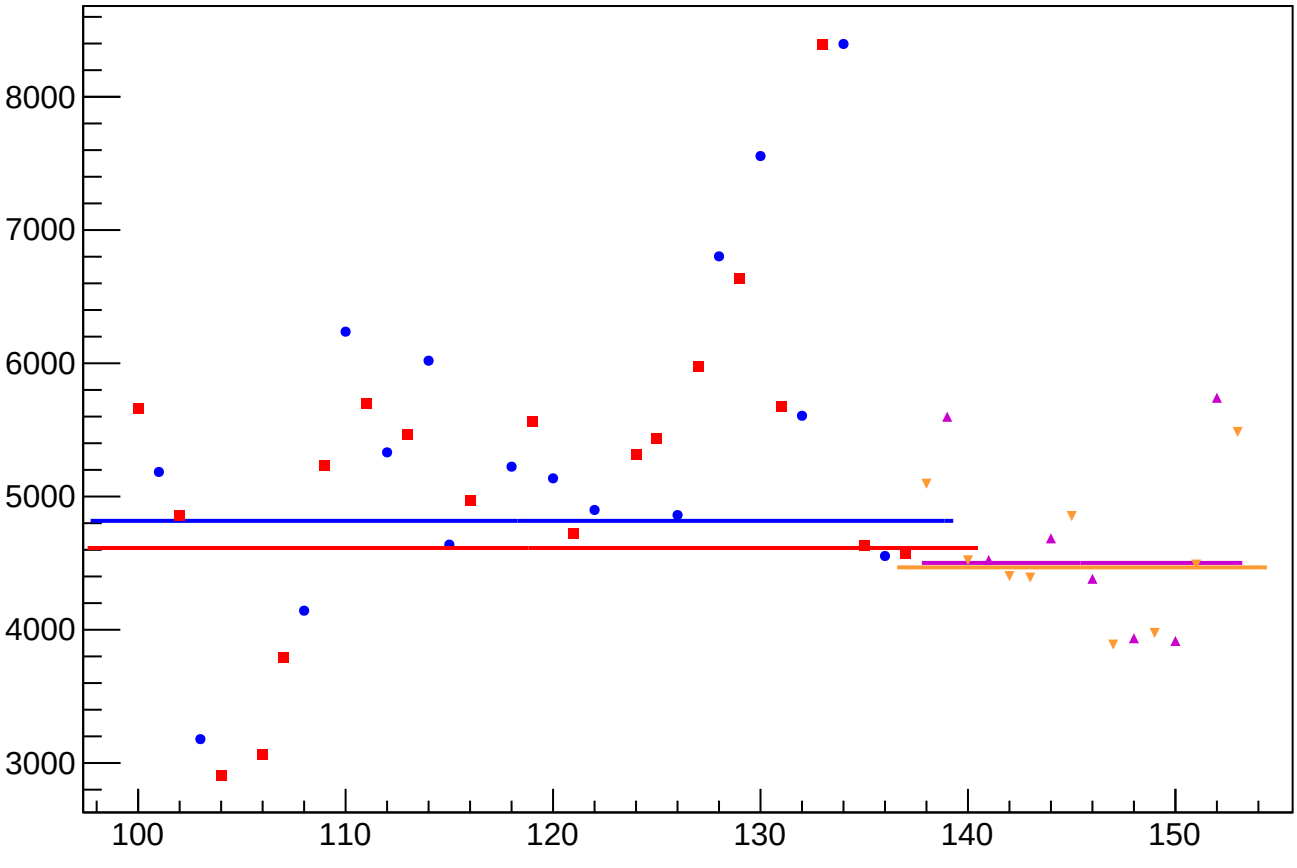
Left: 1994.183+/-1250.062 χ^2/NDF: 9.8/15

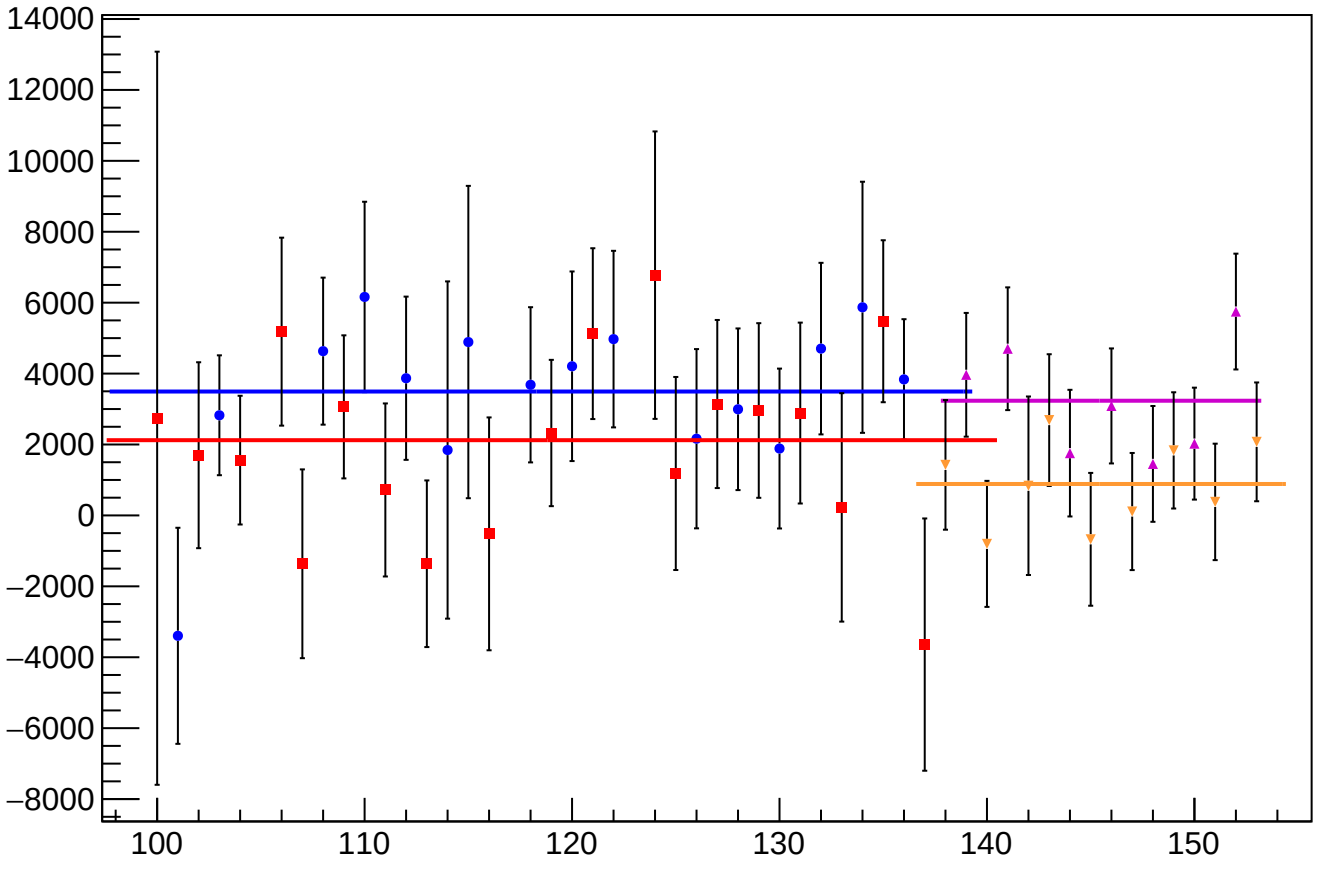
Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -198.692+/-1303.813 χ^2/NDF:17.9/22

Out: 908.719+/-1226.044 χ^2/NDF:25.0/27

All: 389.024+/-893.172 χ^2/NDF: 43.3/50


asym_usr_atr2_avg_cor_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
100
110
120
130
140
150
Right In: 4817.480+/-1.307 χ²/NDF: 795233.3/15
Left Out: 4468.231+/-1.205 χ²/NDF:152767.2/8
Right Out: 4613.851+/-1.248 χ²/NDF: 977958.2/18
Left In: 4501.790+/-1.301 χ²/NDF:223908.5/6
Left: 4483.730+/-0.884 χ²/NDF: 377034.0/15
Right: 4710.994+/-0.903 χ²/NDF: 1785885.7/34
In: 4658.875+/-0.922 χ²/NDF:1048454.1/22
Out: 4538.466+/-0.867 χ²/NDF:1137770.0/27
All: 4594.973+/-0.632 χ²/NDF: 2195276.7/50



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 886.378+/-596.059 χ^2/NDF:3.8/8

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 3234.364+/-631.549 χ^2/NDF:5.7/6

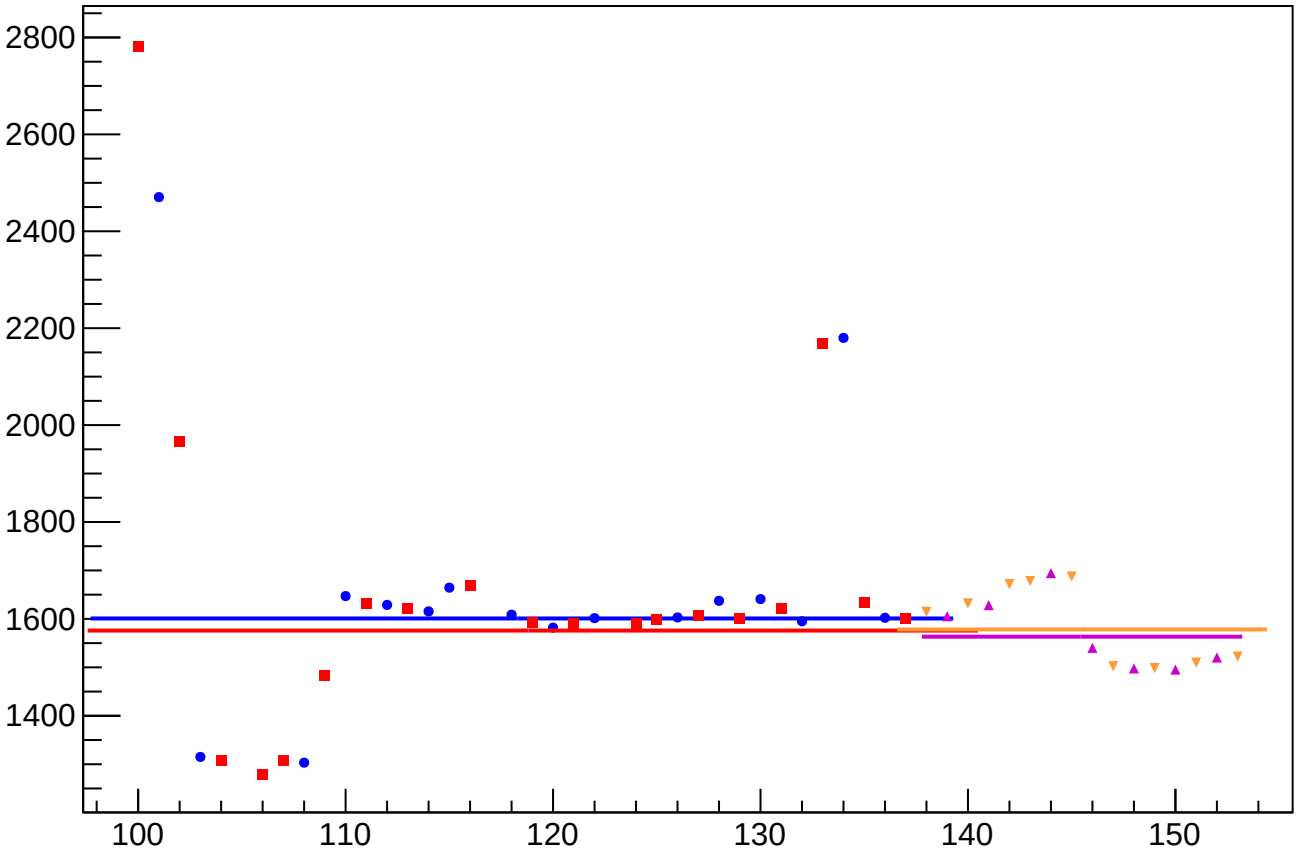
Left: 1992.548+/-433.481 χ^2/NDF: 16.8/15

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3370.597+/-435.441 χ^2/NDF:14.6/22

Out: 1512.851+/-418.462 χ^2/NDF:21.0/27

All: 2404.799+/-301.721 χ^2/NDF: 45.1/50



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1578.221+/-0.421 χ^2/NDF:32658.1/8

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1563.297+/-0.447 χ^2/NDF:23512.0/6

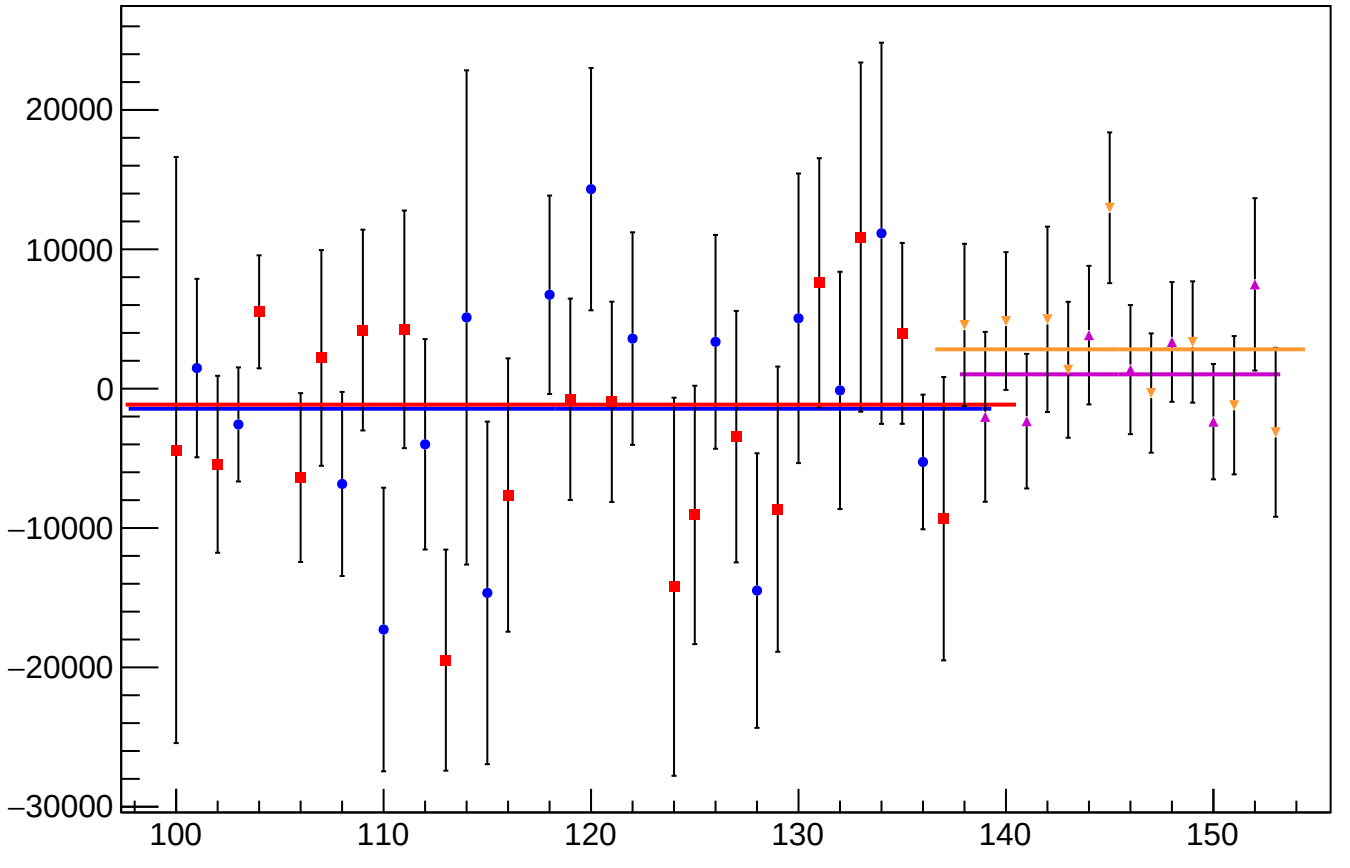
Left: 1571.190+/-0.307 χ^2/NDF: 56760.8/15

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1583.014+/-0.308 χ^2/NDF:344640.8/22

Out: 1577.040+/-0.295 χ^2/NDF:276005.5/27

All: 1579.902+/-0.213 χ^2/NDF: 620842.4/50



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 2823.239+/-1704.020 χ^2/NDF:6.2/8

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 1028.110+/-1839.448 χ^2/NDF:3.1/6

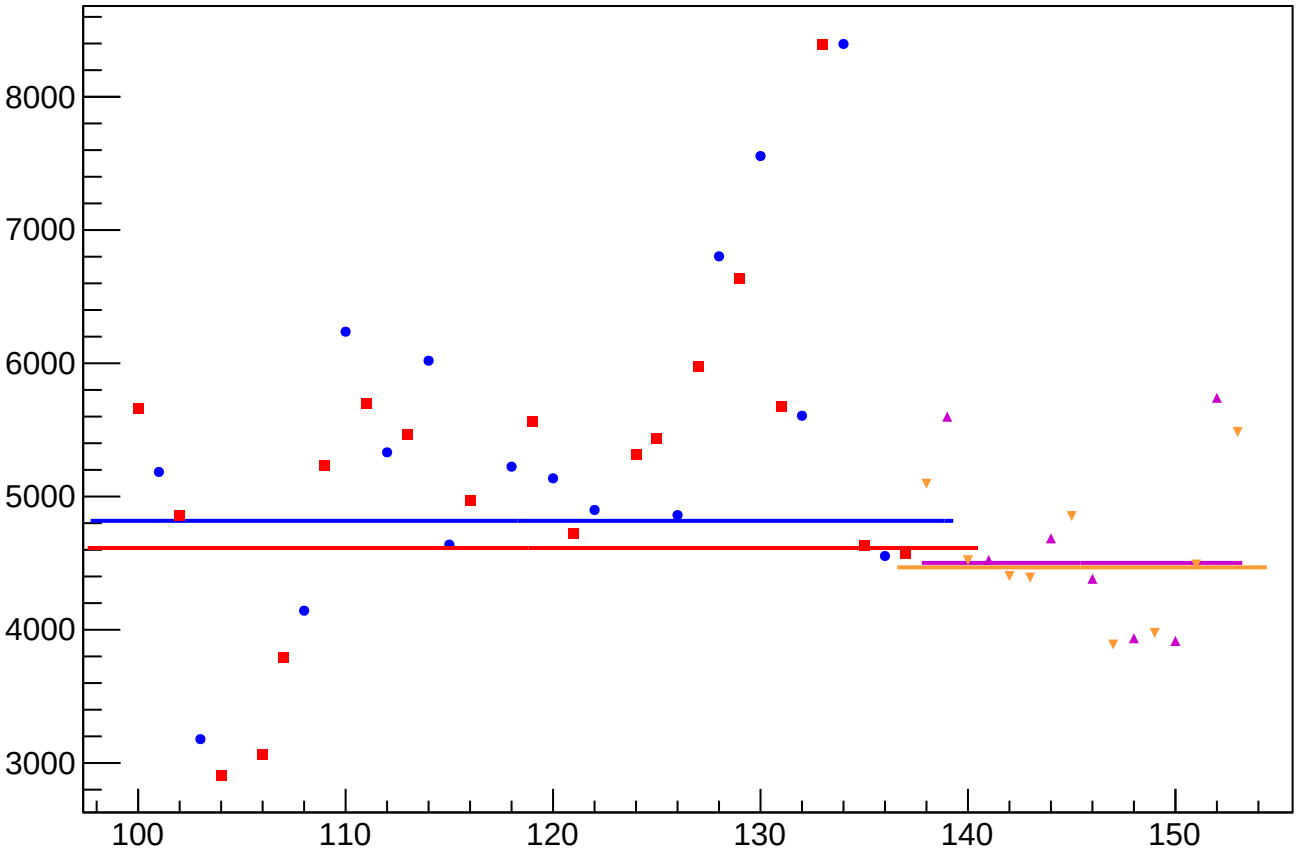
Left: 1994.183+/-1250.062 χ^2/NDF: 9.8/15

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -198.692+/-1303.813 χ^2/NDF:17.9/22

Out: 908.719+/-1226.044 χ^2/NDF:25.0/27

All: 389.024+/-893.172 χ^2/NDF: 43.3/50



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4468.231+/-1.205 χ^2/NDF:152767.2/8

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 4501.790+/-1.301 χ^2/NDF:223908.5/6

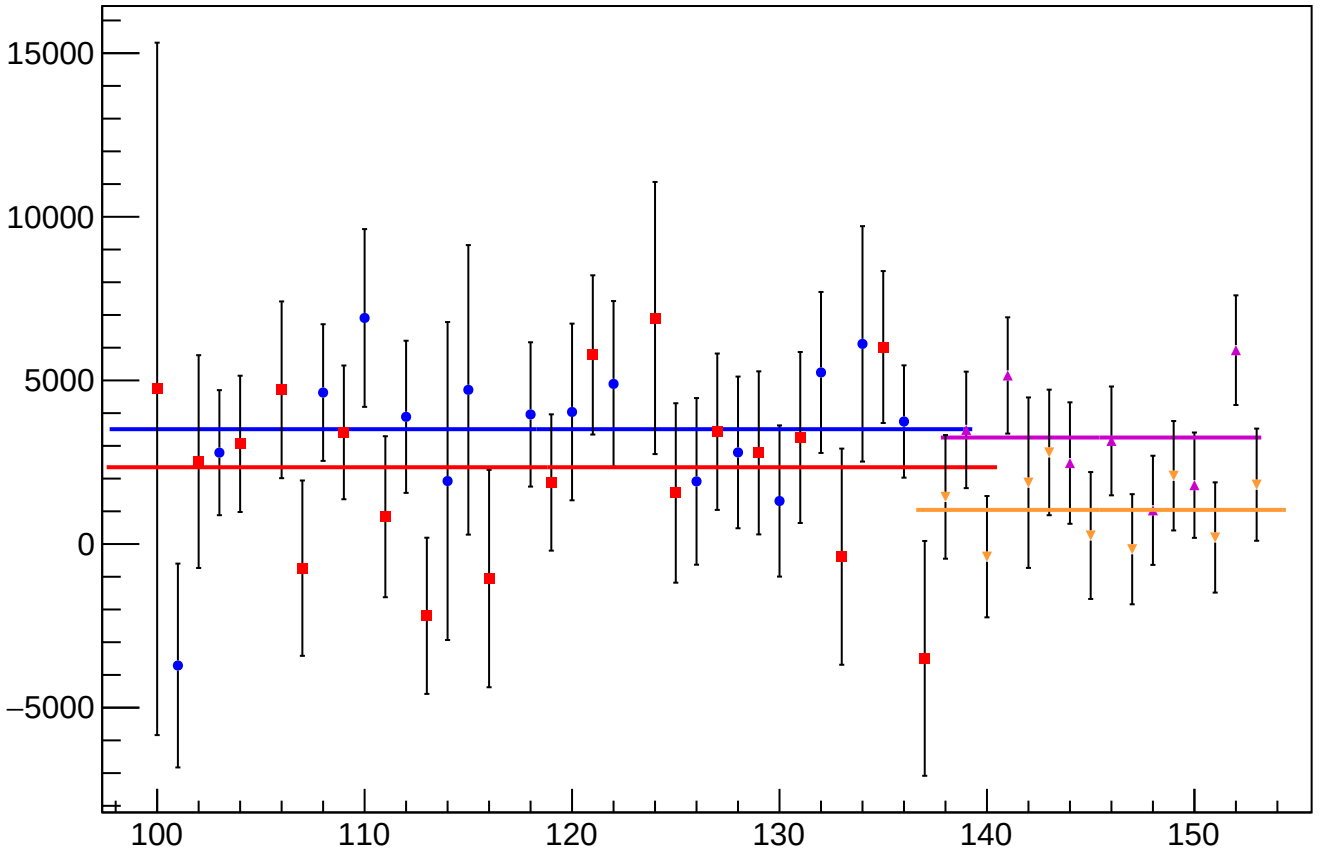
Left: 4483.730+/-0.884 χ^2/NDF: 377034.0/15

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4658.875+/-0.922 χ^2/NDF:1048454.1/22

Out: 4538.466+/-0.867 χ^2/NDF:1137770.0/27

All: 4594.973+/-0.632 χ^2/NDF: 2195276.7/50



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1043.773+/-613.113 χ^2/NDF:3.1/8

Right Out: 2346.859+/-607.502 χ^2/NDF: 17.1/18

Left In: 3254.596+/-647.352 χ^2/NDF:6.5/6

Left: 2089.175+/-445.149 χ^2/NDF: 15.7/15

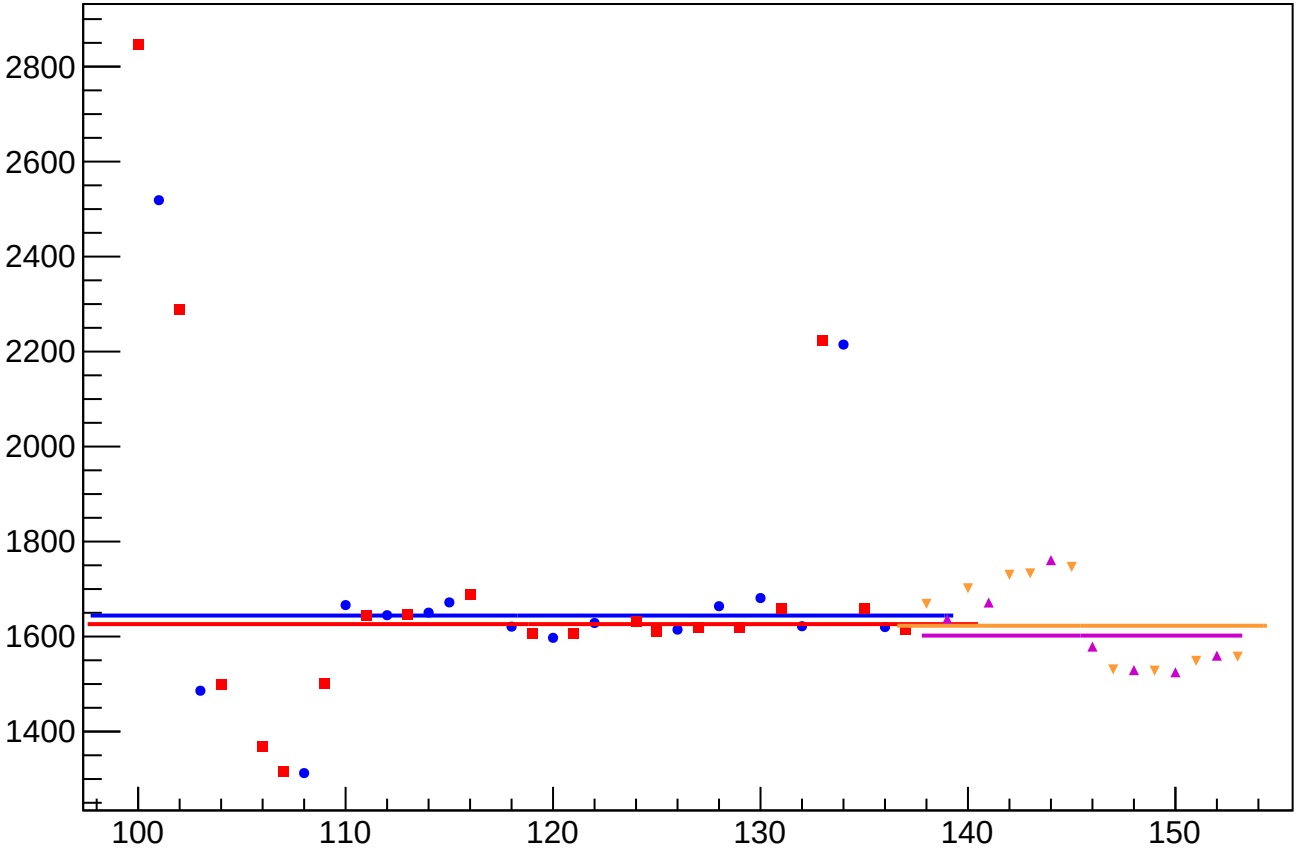
Right: 2919.425+/-432.793 χ^2/NDF: 29.3/34

In: 3388.224+/-446.525 χ^2/NDF:16.9/22

Out: 1701.306+/-431.539 χ^2/NDF:22.5/27

All: 2515.982+/-310.307 χ^2/NDF: 46.8/50

dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1622.728+/-0.434 χ^2/NDF:42078.0/8

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

Left In: 1602.011+/-0.458 χ^2/NDF:28563.6/6

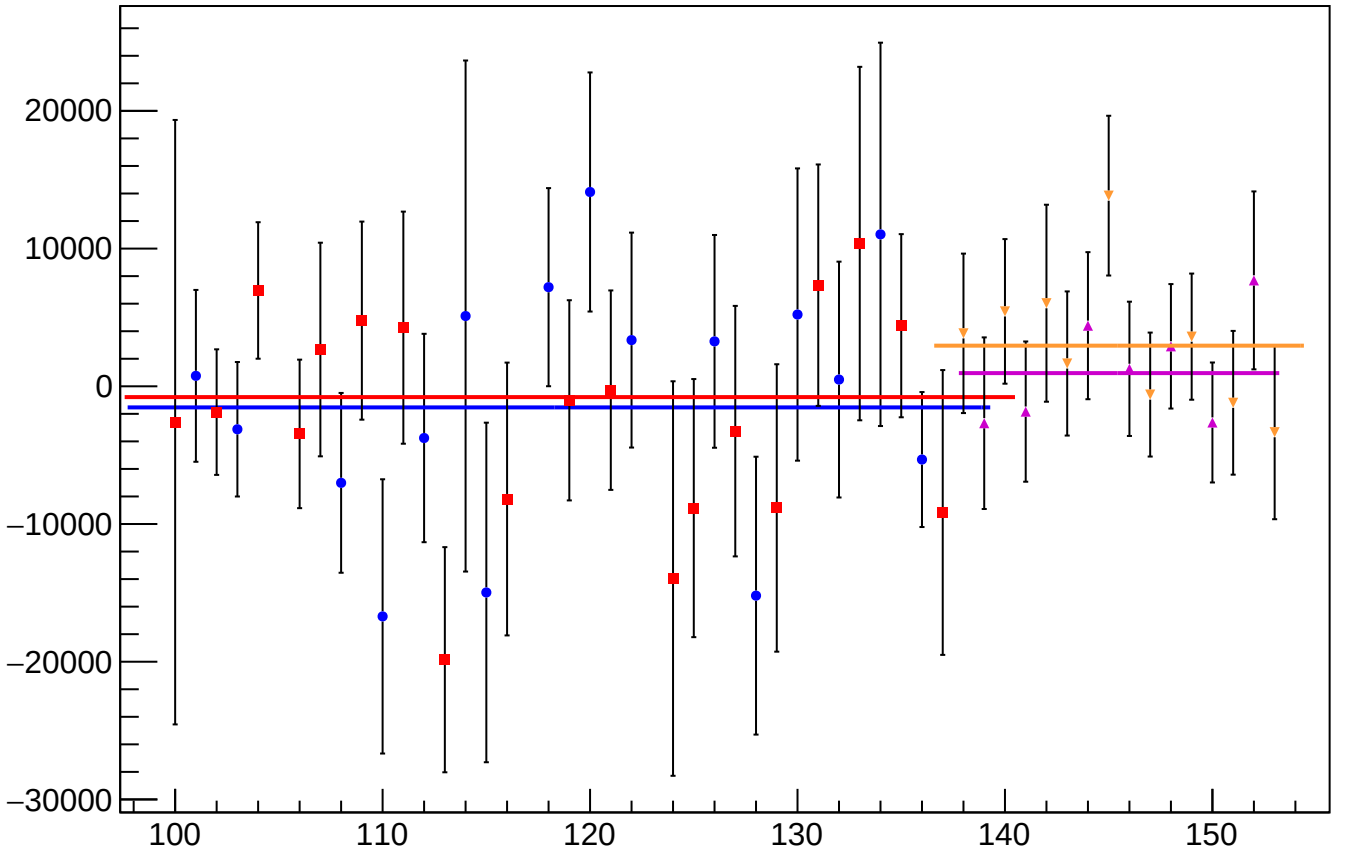
Left: 1612.932+/-0.315 χ^2/NDF: 71721.4/15

Right: 1635.043+/-0.306 χ^2/NDF: 513324.8/34

In: 1624.126+/-0.316 χ^2/NDF:307834.2/22

Out: 1624.468+/-0.305 χ^2/NDF:279749.1/27

All: 1624.303+/-0.219 χ^2/NDF: 587583.9/50



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 2951.391+/-1794.173 χ^2/NDF:6.3/8

Right Out: -784.235+/-1748.566 χ^2/NDF: 15.0/18

Left In: 957.953+/-1934.983 χ^2/NDF:3.0/6

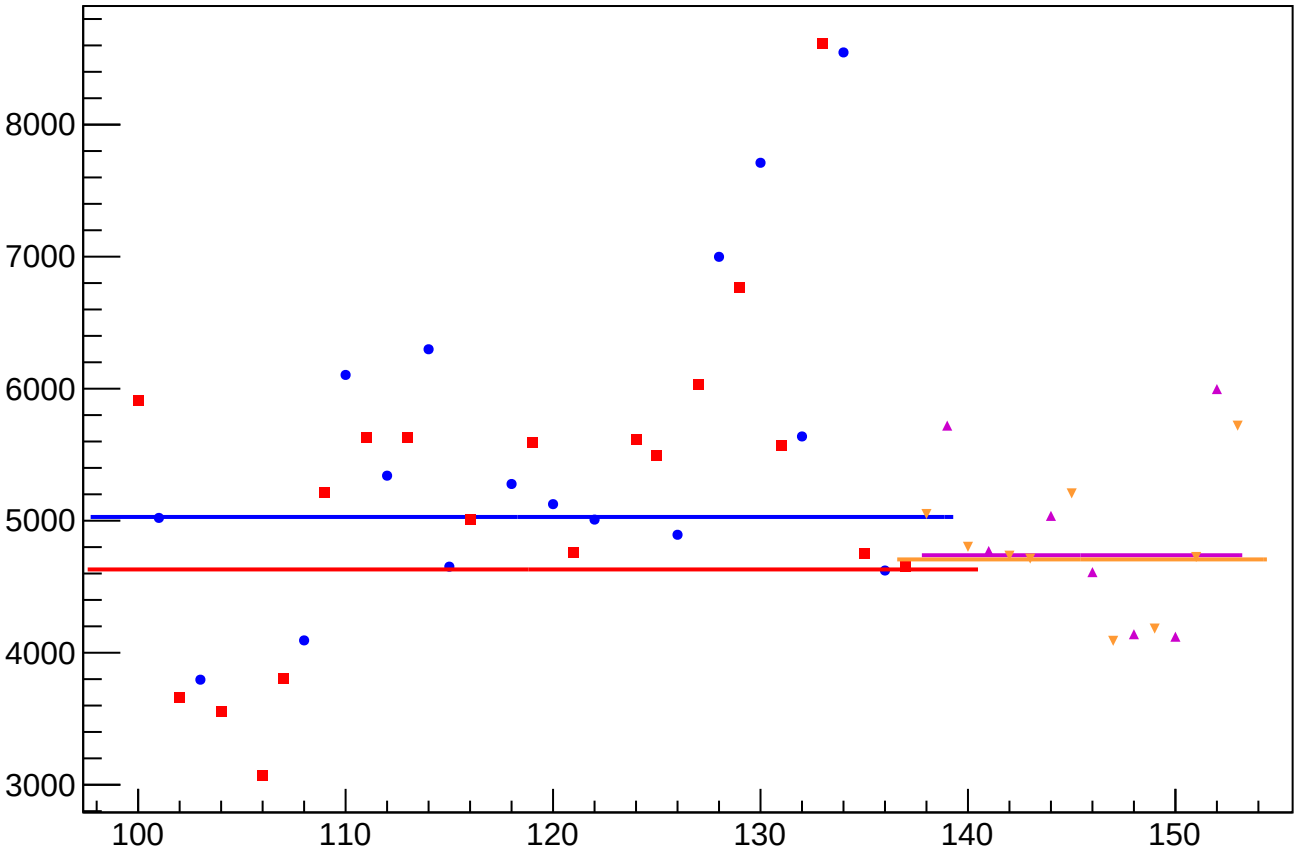
Left: 2029.835+/-1315.638 χ^2/NDF: 9.9/15

Right: -1124.500+/-1290.893 χ^2/NDF: 29.0/34

In: -300.783+/-1360.688 χ^2/NDF:17.7/22

Out: 1035.496+/-1252.236 χ^2/NDF:23.6/27

All: 422.724+/-921.423 χ^2/NDF: 41.8/50



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 4706.849+/-1.269 χ^2/NDF:137716.6/8

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

Left In: 4738.414+/-1.368 χ^2/NDF:208432.9/6

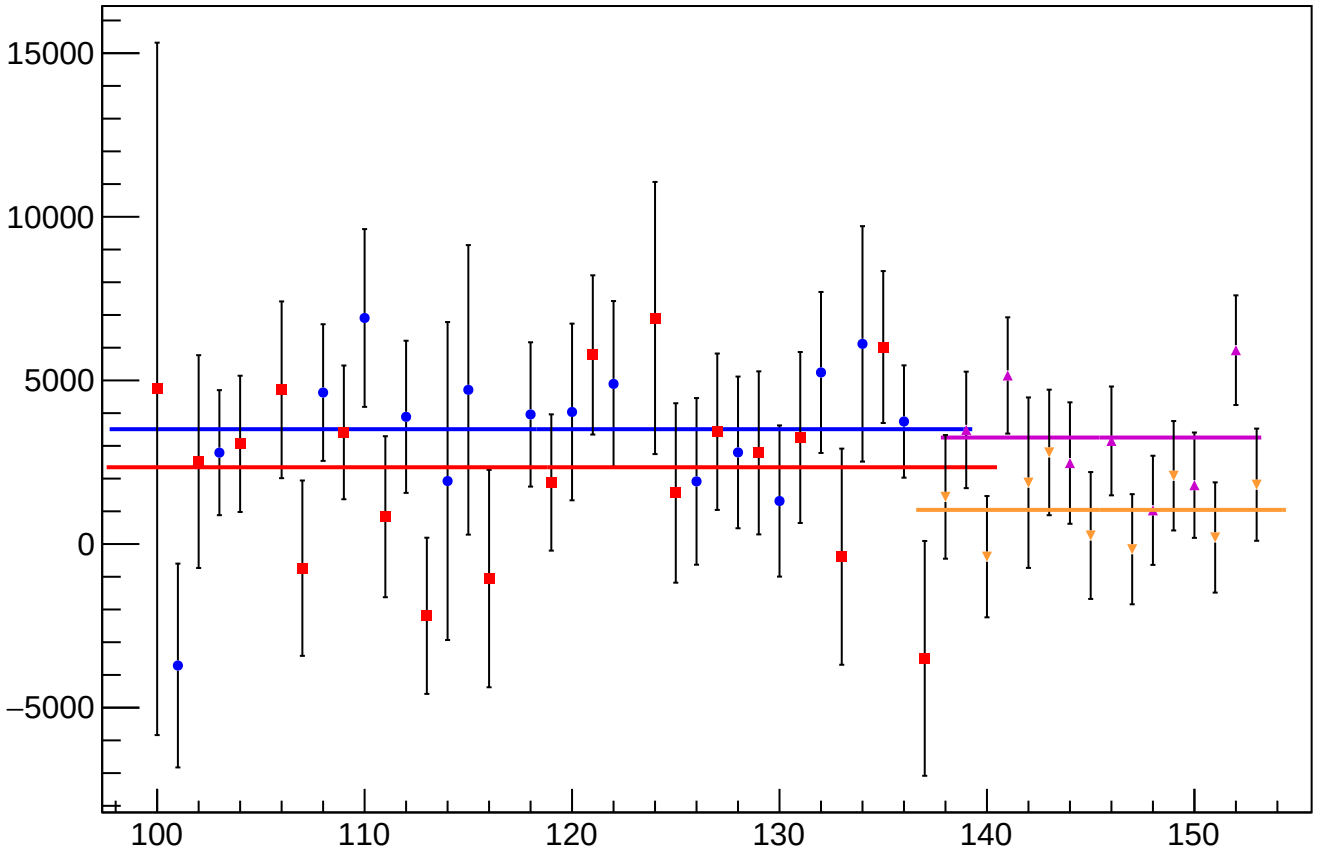
Left: 4721.442+/-0.930 χ^2/NDF: 346435.6/15

Right: 4811.776+/-0.913 χ^2/NDF: 1476020.7/34

In: 4885.028+/-0.962 χ^2/NDF:796616.6/22

Out: 4667.898+/-0.885 χ^2/NDF:1003069.5/27

All: 4767.466+/-0.652 χ^2/NDF: 1827260.2/50



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1043.770+/-613.113 χ^2/NDF:3.1/8

Right Out: 2346.865+/-607.502 χ^2/NDF: 17.1/18

Left In: 3254.593+/-647.352 χ^2/NDF:6.5/6

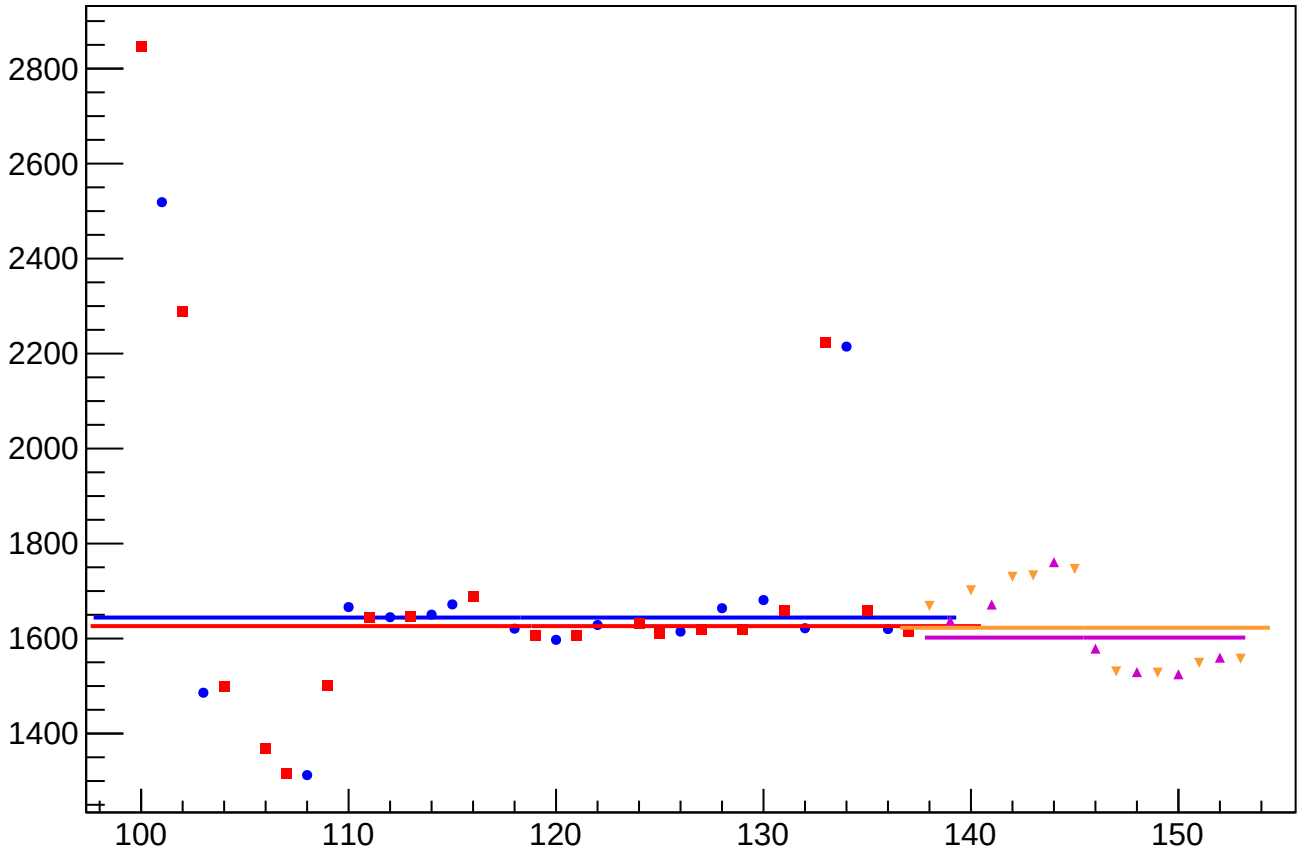
Left: 2089.172+/-445.149 χ^2/NDF: 15.7/15

Right: 2919.429+/-432.792 χ^2/NDF: 29.3/34

In: 3388.224+/-446.525 χ^2/NDF:16.9/22

Out: 1701.308+/-431.539 χ^2/NDF:22.5/27

All: 2515.984+/-310.307 χ^2/NDF: 46.8/50


eigen_dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected
2800
2600
2400
2200
2000
1800
1600
1400
100
110
120
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140
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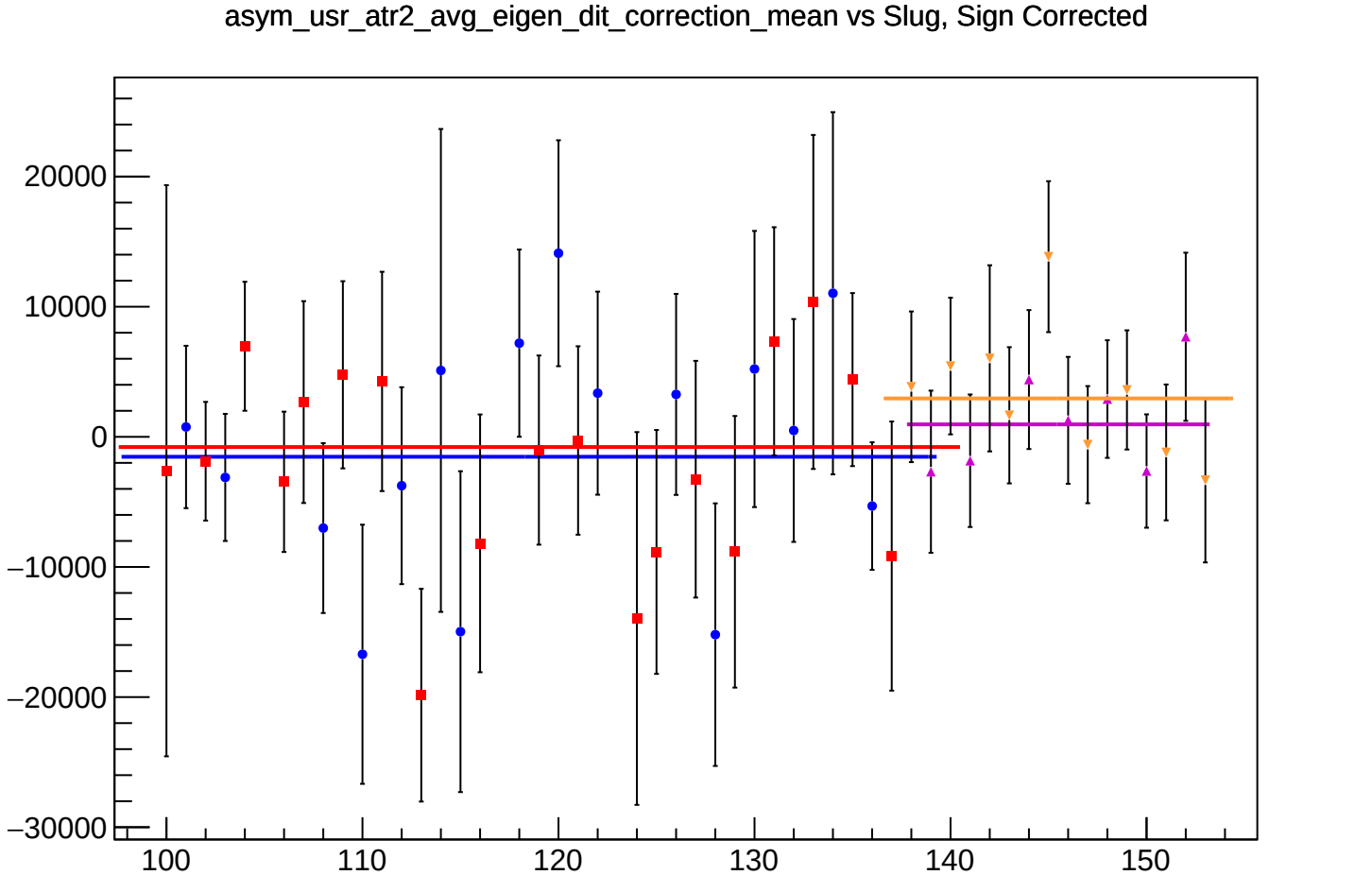
Right In: 1644.198+/-0.436 χ²/NDF: 274818.1/15
Left Out: 1622.729+/-0.434 χ²/NDF:42078.2/8
Right Out: 1626.174+/-0.429 χ²/NDF: 237638.8/18
Left In: 1602.012+/-0.458 χ²/NDF:28563.6/6
Left: 1612.932+/-0.315 χ²/NDF: 71721.5/15
Right: 1635.042+/-0.306 χ²/NDF: 513324.5/34
In: 1624.126+/-0.316 χ²/NDF:307834.0/22
Out: 1624.469+/-0.305 χ²/NDF:279748.9/27
All: 1624.303+/-0.219 χ²/NDF: 587583.5/50



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 2951.389+/-1794.176 χ^2/NDF:6.3/8

Right Out: -784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: 957.951+/-1934.985 χ^2/NDF:3.0/6

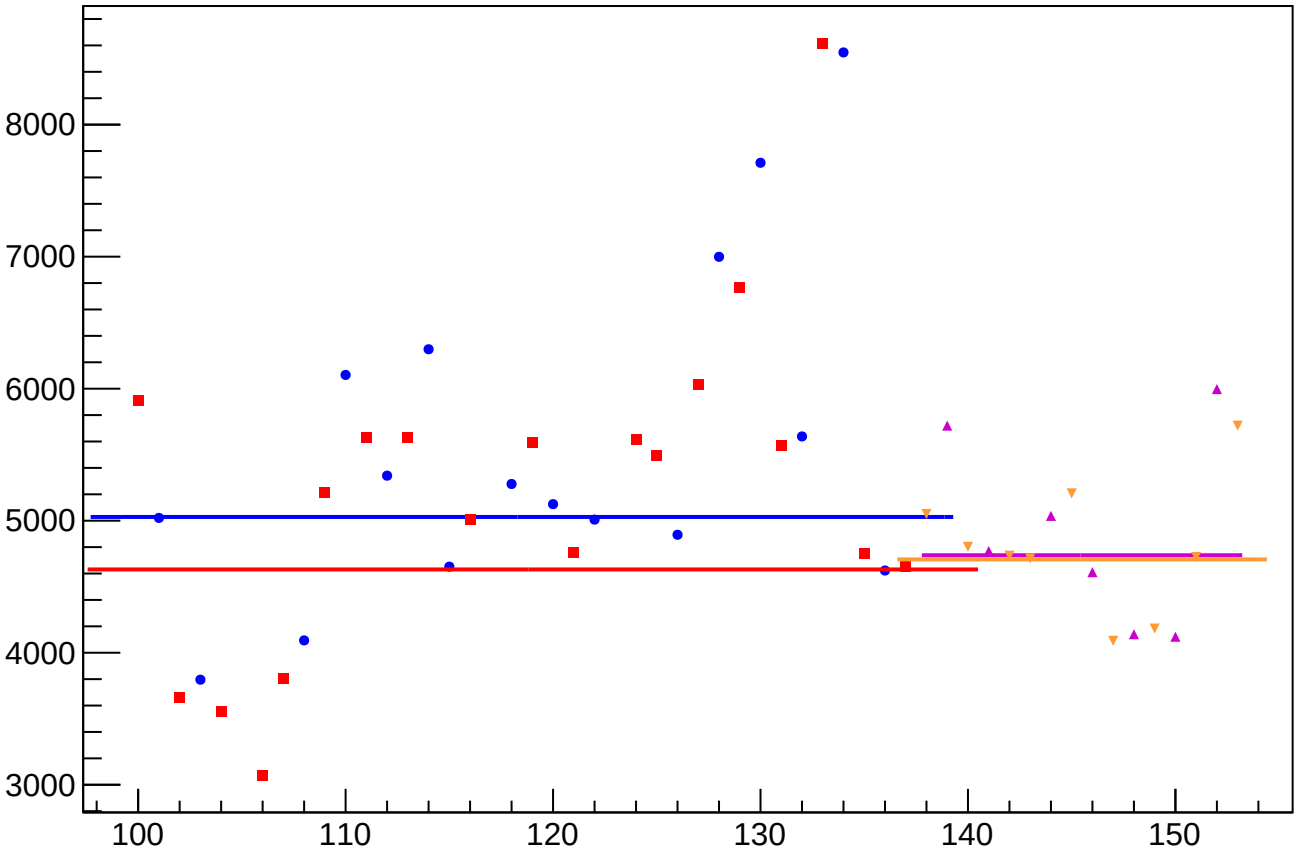
Left: 2029.833+/-1315.640 χ^2/NDF: 9.9/15

Right: -1124.493+/-1290.891 χ^2/NDF: 29.0/34

In: -300.780+/-1360.688 χ^2/NDF:17.7/22

Out: 1035.488+/-1252.236 χ^2/NDF:23.6/27

All: 422.722+/-921.423 χ^2/NDF: 41.8/50



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 4706.857+/-1.269 χ^2/NDF:137716.5/8

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

Left In: 4738.421+/-1.368 χ^2/NDF:208432.2/6

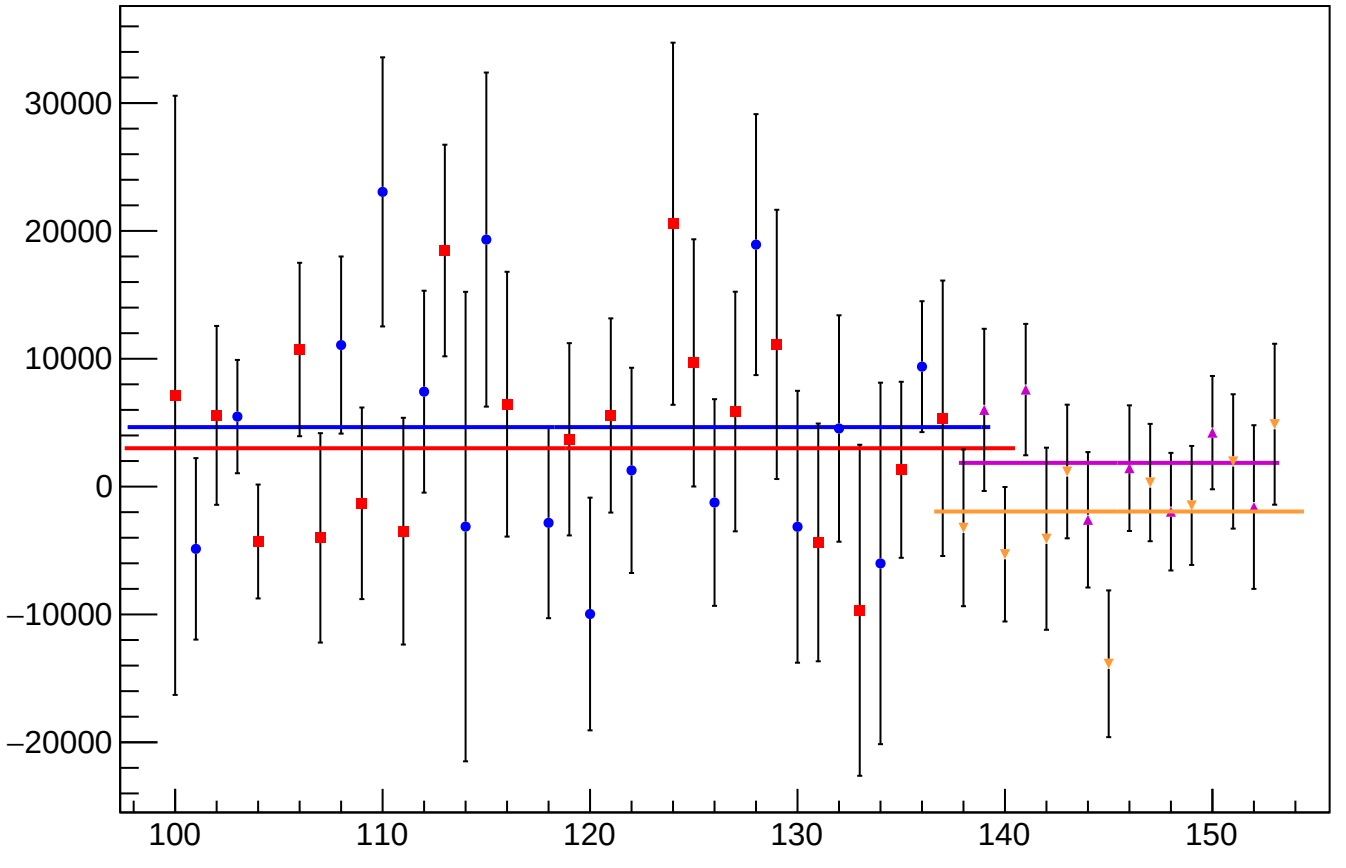
Left: 4721.449+/-0.930 χ^2/NDF: 346434.8/15

Right: 4811.769+/-0.913 χ^2/NDF: 1476008.6/34

In: 4885.029+/-0.962 χ^2/NDF:796607.6/22

Out: 4667.898+/-0.885 χ^2/NDF:1003064.2/27

All: 4767.467+/-0.652 χ^2/NDF: 1827245.9/50



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: -1948.392+/-1812.169 χ^2/NDF:7.2/8

Right Out: 3000.980+/-1882.821 χ^2/NDF: 13.9/18

Left In: 1856.141+/-1952.321 χ^2/NDF:3.7/6

Left: -187.572+/-1328.183 χ^2/NDF: 12.9/15

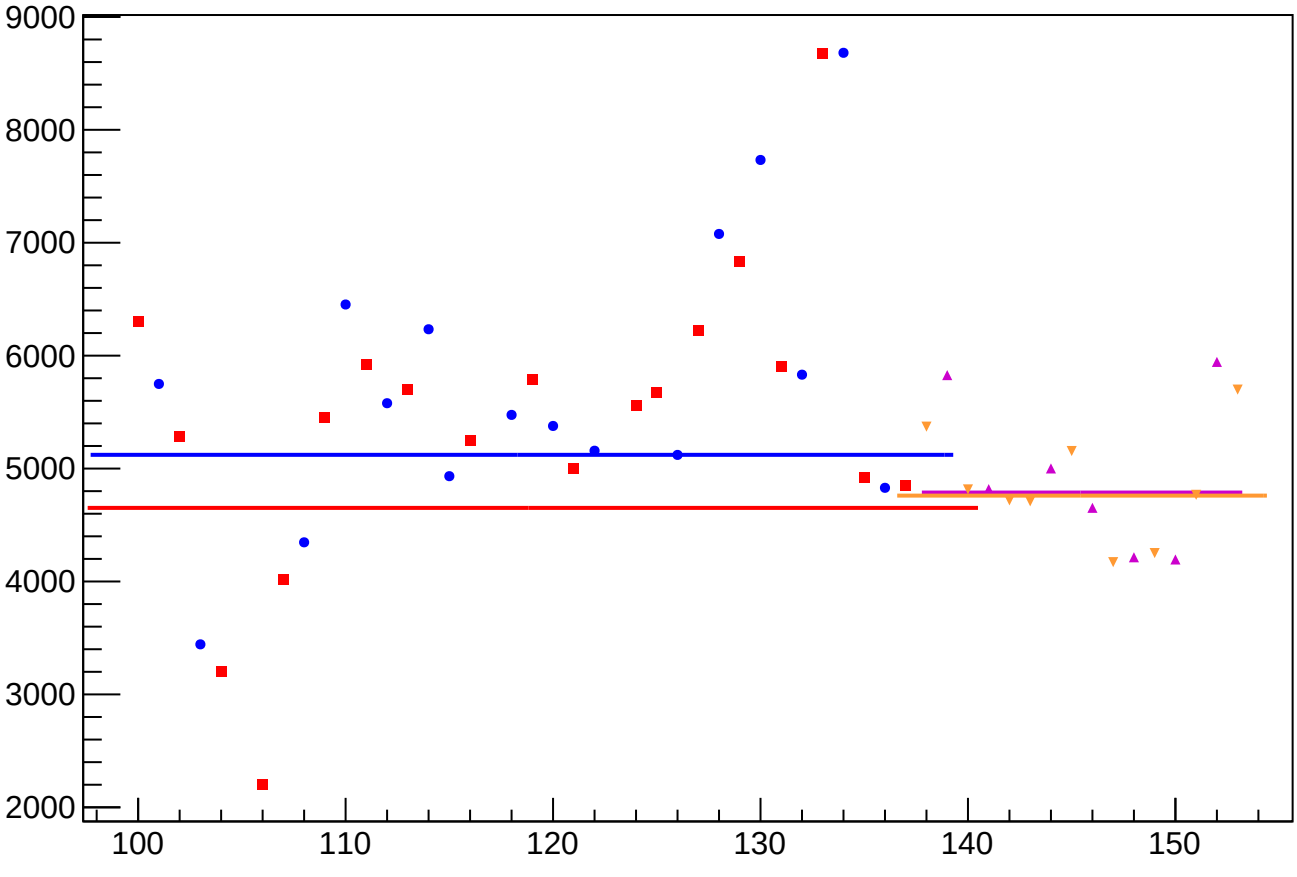
Right: 3794.523+/-1357.320 χ^2/NDF: 29.8/34

In: 3250.223+/-1382.677 χ^2/NDF:20.2/22

Out: 431.692+/-1305.660 χ^2/NDF:24.6/27

All: 1760.276+/-949.301 χ^2/NDF: 47.0/50

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 4760.510+/-1.281 χ^2/NDF:131170.2/8

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

Left In: 4787.637+/-1.380 χ^2/NDF:190766.8/6

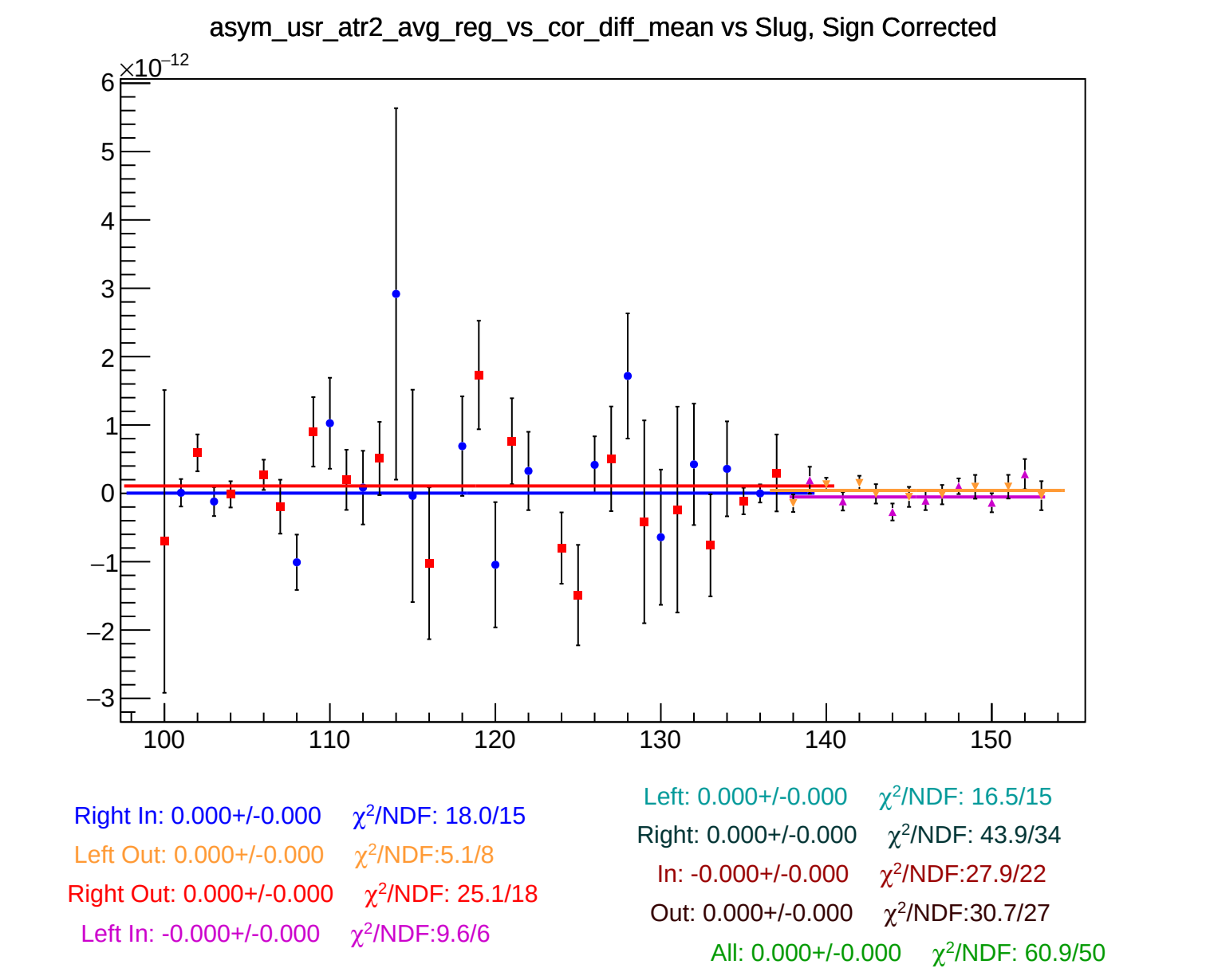
Left: 4773.065+/-0.939 χ^2/NDF: 322144.4/15

Right: 4868.287+/-0.940 χ^2/NDF: 2127316.1/34

In: 4954.113+/-0.978 χ^2/NDF:940313.5/22

Out: 4706.074+/-0.906 χ^2/NDF:1479644.6/27

All: 4820.627+/-0.664 χ^2/NDF: 2454595.3/50


asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
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−1
−2
−3
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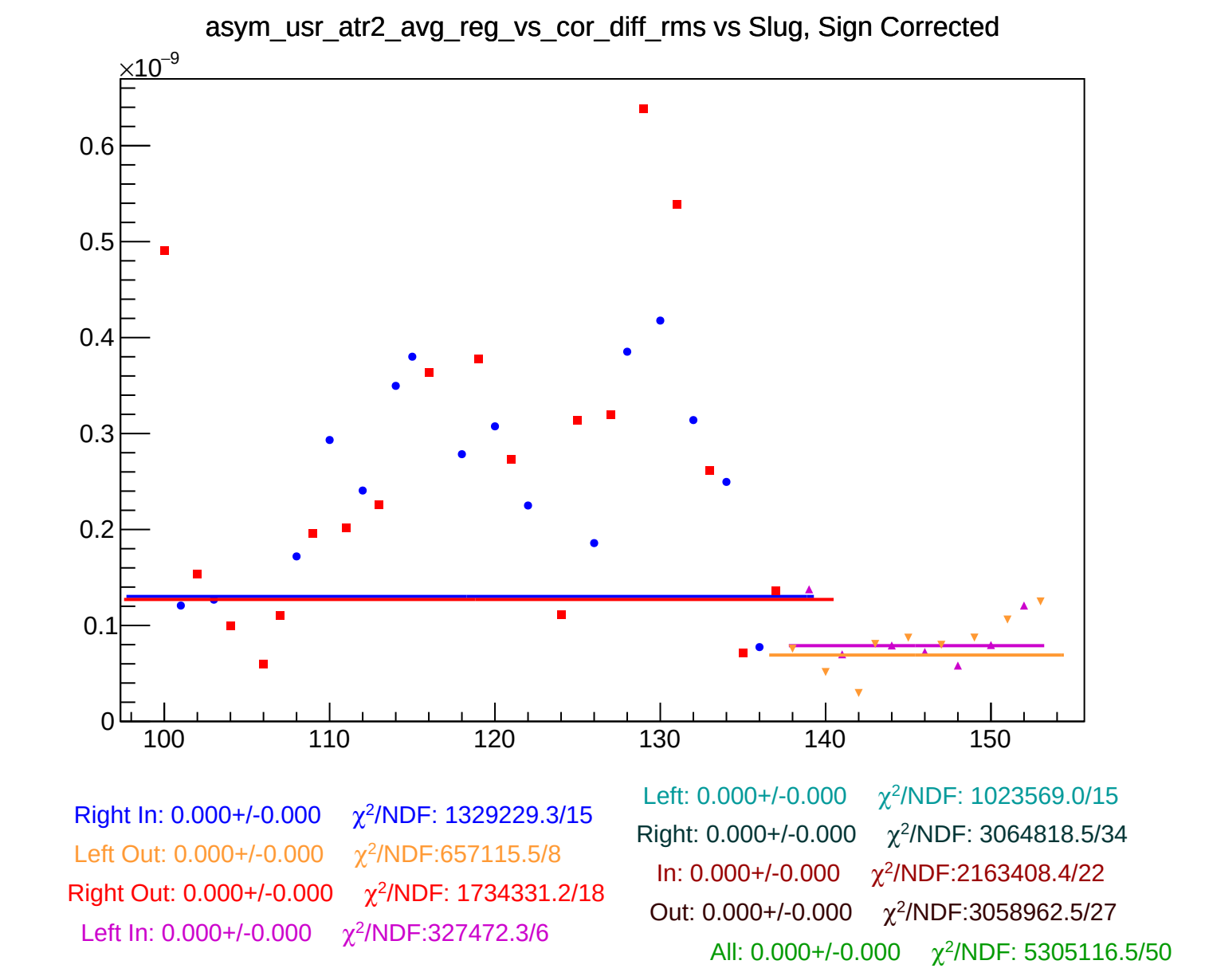
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 18.0/15
Left Out: 0.000+/-0.000 χ²/NDF:5.1/8
Right Out: 0.000+/-0.000 χ²/NDF: 25.1/18
Left In: -0.000+/-0.000 χ²/NDF:9.6/6
Left: 0.000+/-0.000 χ²/NDF: 16.5/15
Right: 0.000+/-0.000 χ²/NDF: 43.9/34
In: -0.000+/-0.000 χ²/NDF:27.9/22
Out: 0.000+/-0.000 χ²/NDF:30.7/27
All: 0.000+/-0.000 χ²/NDF: 60.9/50


asym_usr_atr2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
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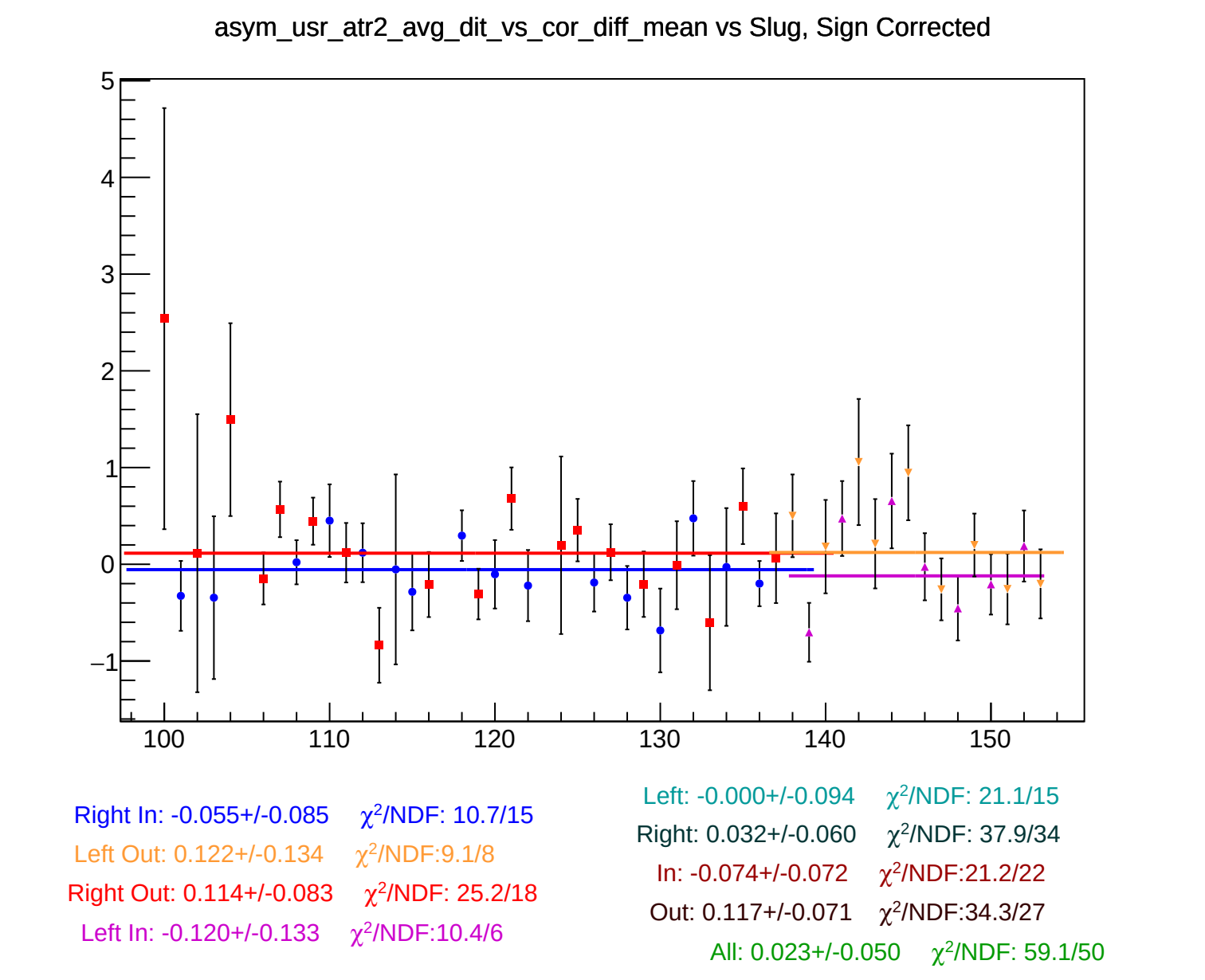
Right In: 0.000+/-0.000 χ²/NDF: 1329229.3/15
Left Out: 0.000+/-0.000 χ²/NDF:657115.5/8
Right Out: 0.000+/-0.000 χ²/NDF: 1734331.2/18
Left In: 0.000+/-0.000 χ²/NDF:327472.3/6
Left: 0.000+/-0.000 χ²/NDF: 1023569.0/15
Right: 0.000+/-0.000 χ²/NDF: 3064818.5/34
In: 0.000+/-0.000 χ²/NDF:2163408.4/22
Out: 0.000+/-0.000 χ²/NDF:3058962.5/27
All: 0.000+/-0.000 χ²/NDF: 5305116.5/50


asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
5
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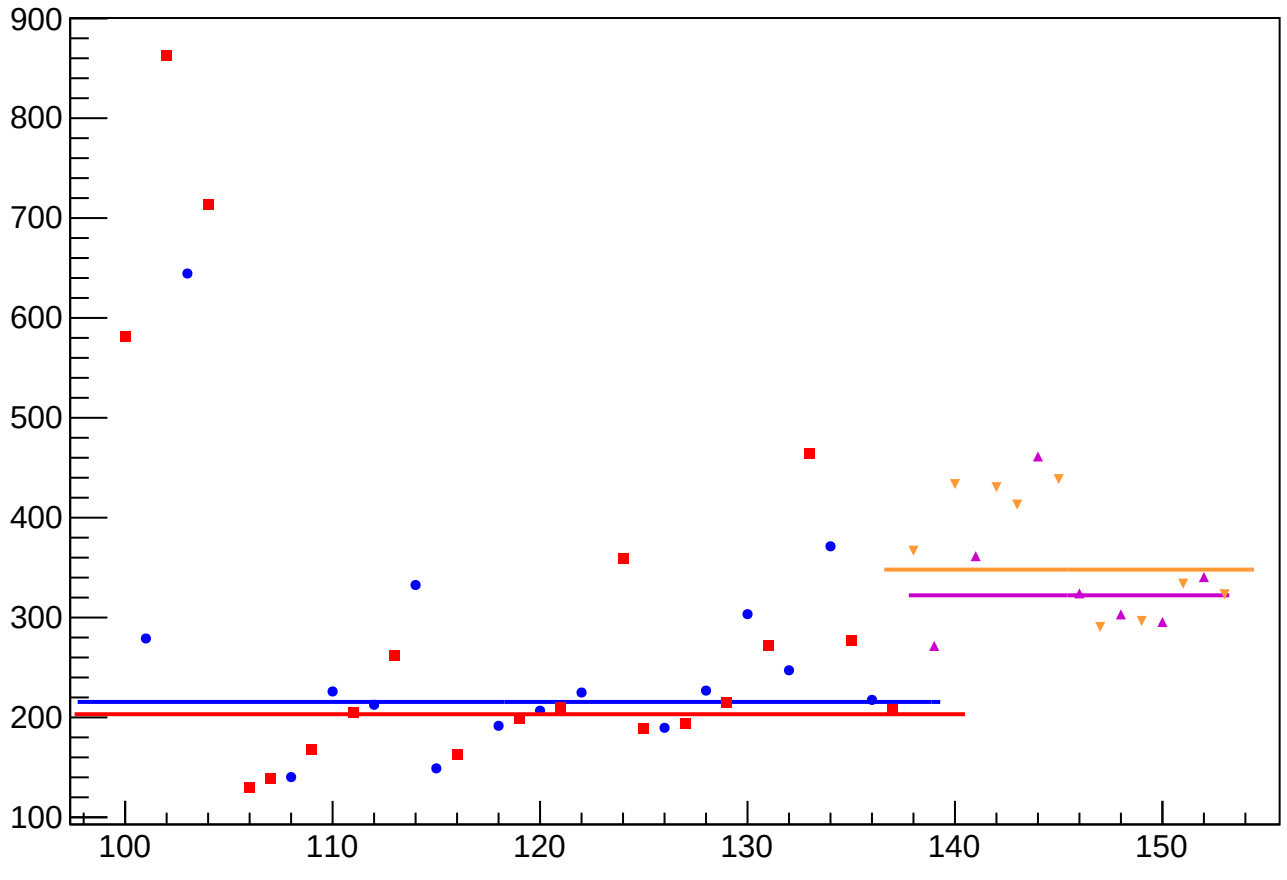
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.122+/-0.134 χ²/NDF:9.1/8
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.120+/-0.133 χ²/NDF:10.4/6
Left: -0.000+/-0.094 χ²/NDF: 21.1/15
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.074+/-0.072 χ²/NDF:21.2/22
Out: 0.117+/-0.071 χ²/NDF:34.3/27
All: 0.023+/-0.050 χ²/NDF: 59.1/50



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 348.003+/-0.095 χ^2/NDF:333529.8/8

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 322.268+/-0.094 χ^2/NDF:263485.3/6

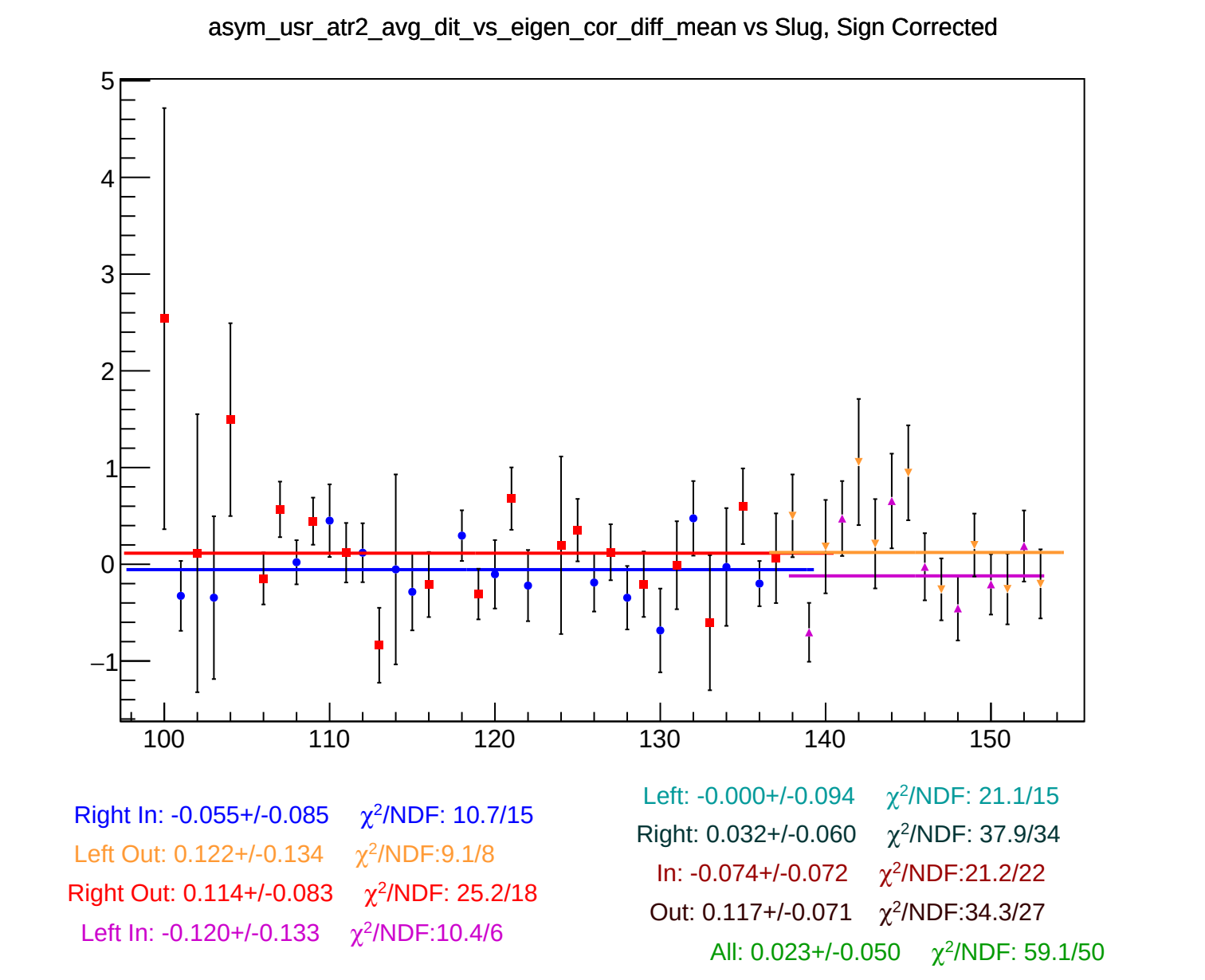
Left: 335.002+/-0.067 χ^2/NDF: 634152.3/15

Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 246.768+/-0.051 χ^2/NDF:2325495.8/22

Out: 243.404+/-0.050 χ^2/NDF:3850079.7/27

All: 245.059+/-0.036 χ^2/NDF: 6177801.2/50


asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
5
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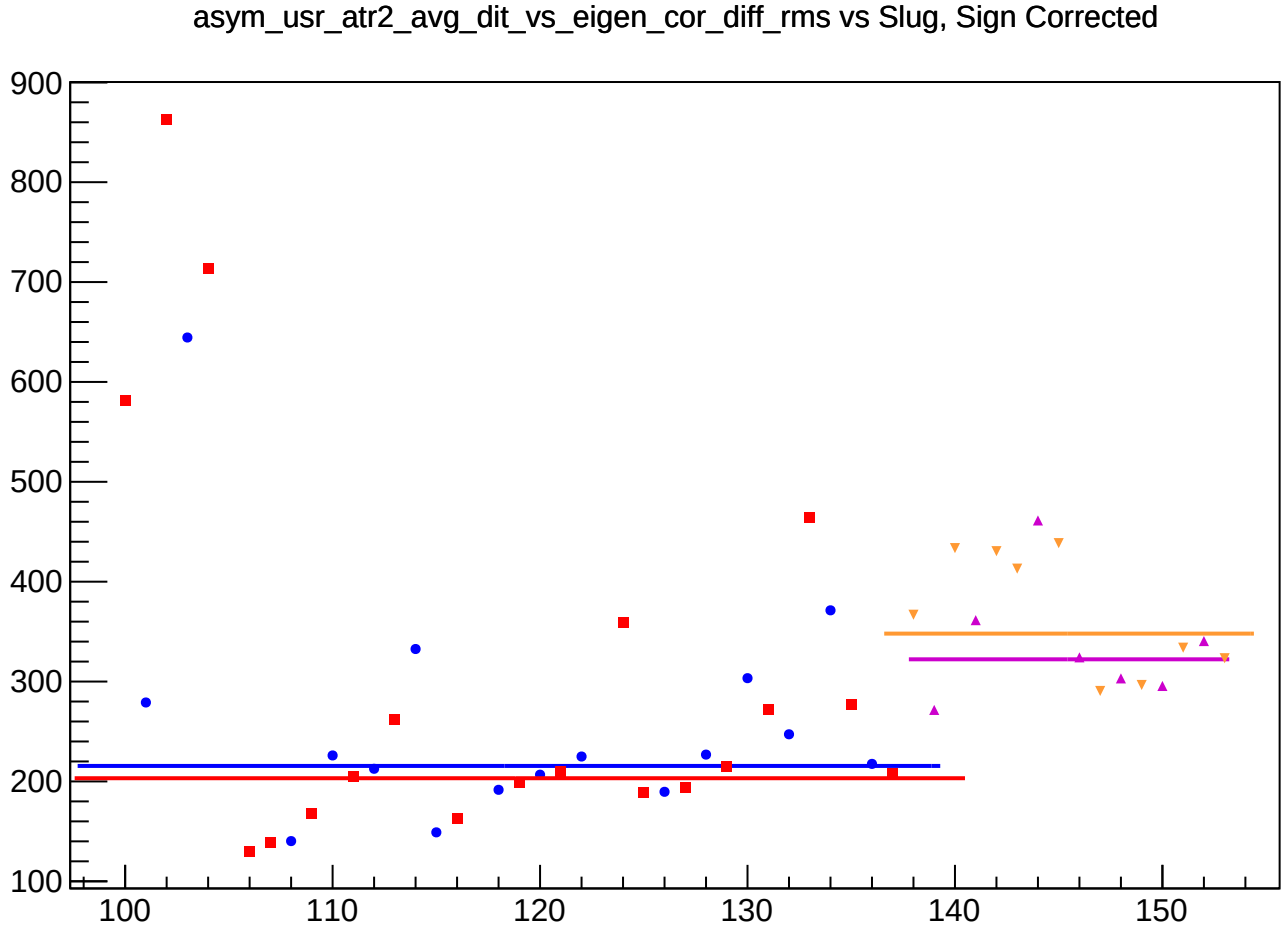
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.122+/-0.134 χ²/NDF:9.1/8
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.120+/-0.133 χ²/NDF:10.4/6
Left: -0.000+/-0.094 χ²/NDF: 21.1/15
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.074+/-0.072 χ²/NDF:21.2/22
Out: 0.117+/-0.071 χ²/NDF:34.3/27
All: 0.023+/-0.050 χ²/NDF: 59.1/50



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 348.003+/-0.095 χ^2/NDF:333529.8/8

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 322.268+/-0.094 χ^2/NDF:263485.3/6

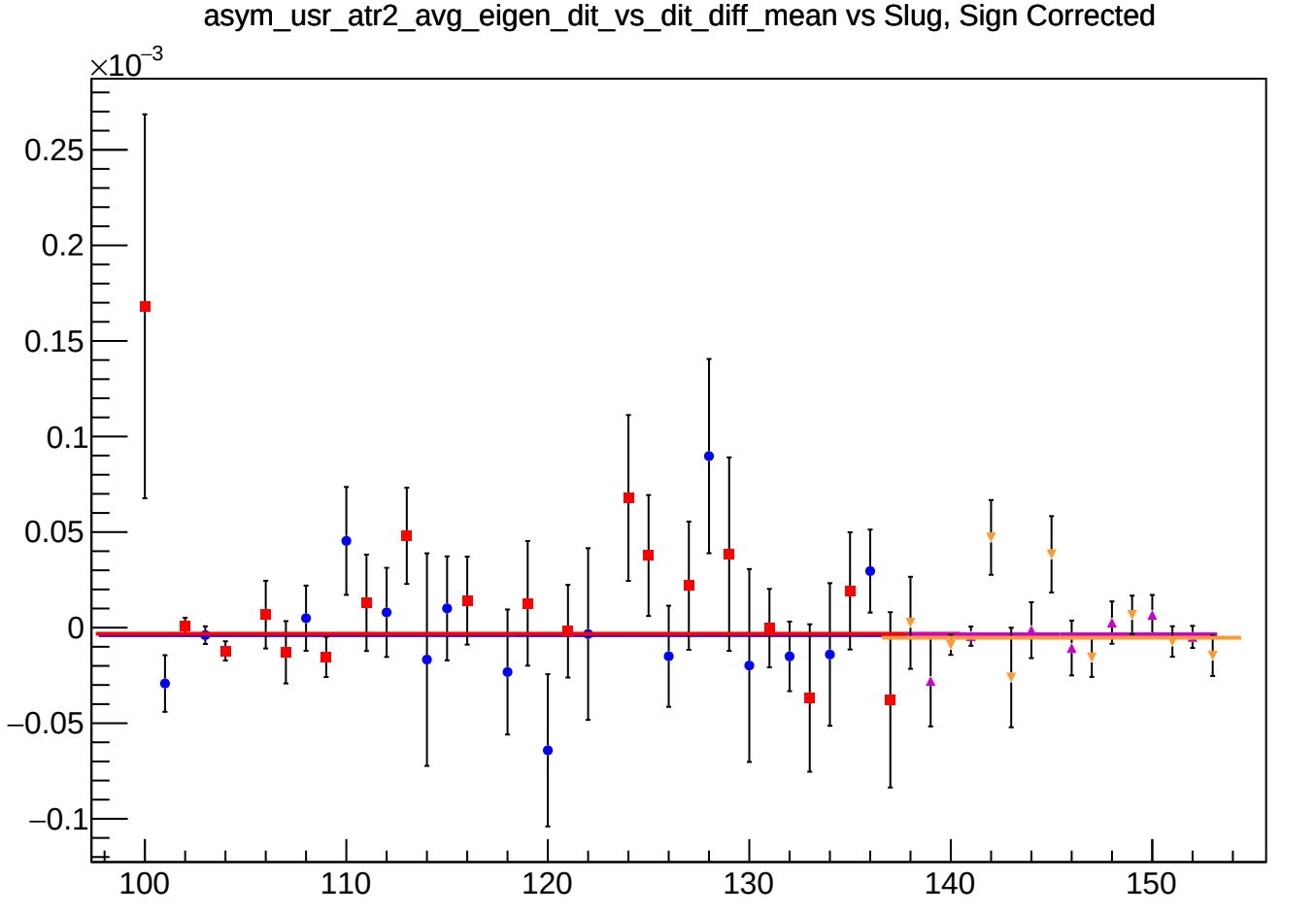
Left: 335.002+/-0.067 χ^2/NDF: 634152.3/15

Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 246.768+/-0.051 χ^2/NDF:2325495.8/22

Out: 243.404+/-0.050 χ^2/NDF:3850079.7/27

All: 245.059+/-0.036 χ^2/NDF: 6177801.2/50


asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
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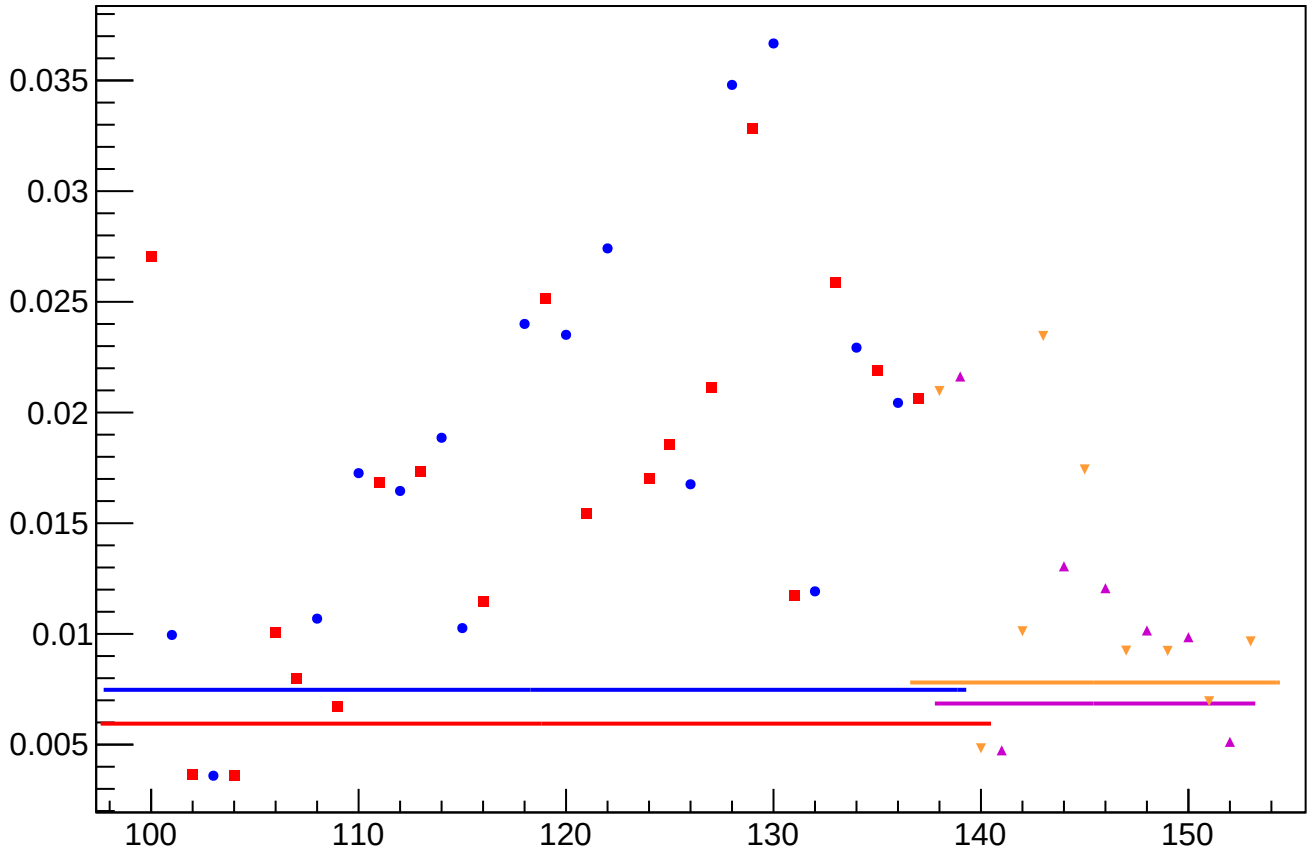
Right In: -0.000+/-0.000 χ²/NDF: 16.0/15
Left Out: -0.000+/-0.000 χ²/NDF:16.5/8
Right Out: -0.000+/-0.000 χ²/NDF: 21.6/18
Left In: -0.000+/-0.000 χ²/NDF:2.7/6
Left: -0.000+/-0.000 χ²/NDF: 19.3/15
Right: -0.000+/-0.000 χ²/NDF: 37.6/34
In: -0.000+/-0.000 χ²/NDF:18.6/22
Out: -0.000+/-0.000 χ²/NDF:38.3/27
All: -0.000+/-0.000 χ²/NDF: 57.0/50



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:2612933.7/8

Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.007+/-0.000 χ^2/NDF:2264543.2/6

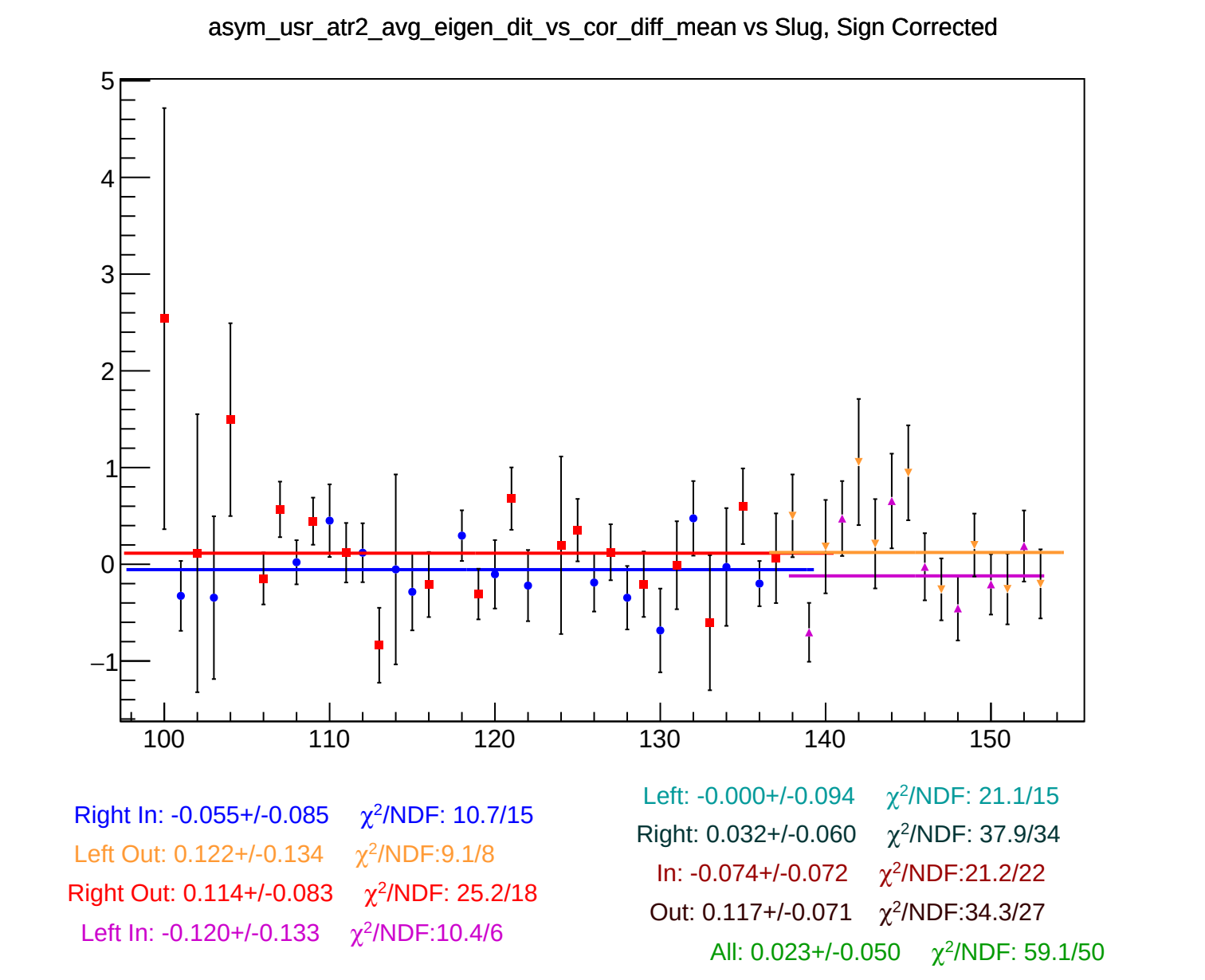
Left: 0.007+/-0.000 χ^2/NDF: 4961062.4/15

Right: 0.007+/-0.000 χ^2/NDF: 12215563.8/34

In: 0.007+/-0.000 χ^2/NDF:8371949.0/22

Out: 0.007+/-0.000 χ^2/NDF:8897185.9/27

All: 0.007+/-0.000 χ^2/NDF: 17295325.2/50


asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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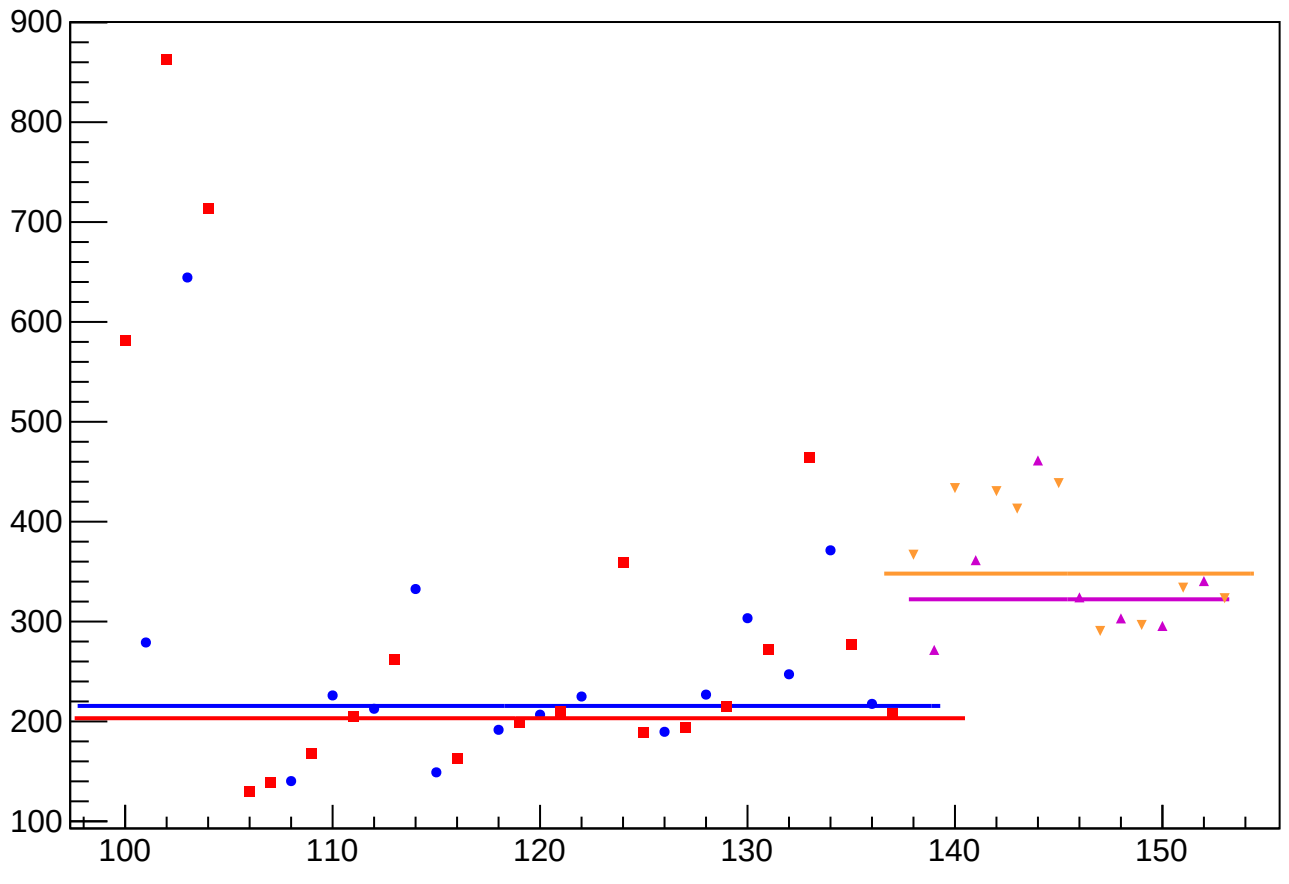
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.122+/-0.134 χ²/NDF:9.1/8
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.120+/-0.133 χ²/NDF:10.4/6
Left: -0.000+/-0.094 χ²/NDF: 21.1/15
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.074+/-0.072 χ²/NDF:21.2/22
Out: 0.117+/-0.071 χ²/NDF:34.3/27
All: 0.023+/-0.050 χ²/NDF: 59.1/50



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 348.008+/-0.095 χ^2/NDF:333521.0/8

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 322.272+/-0.094 χ^2/NDF:263471.0/6

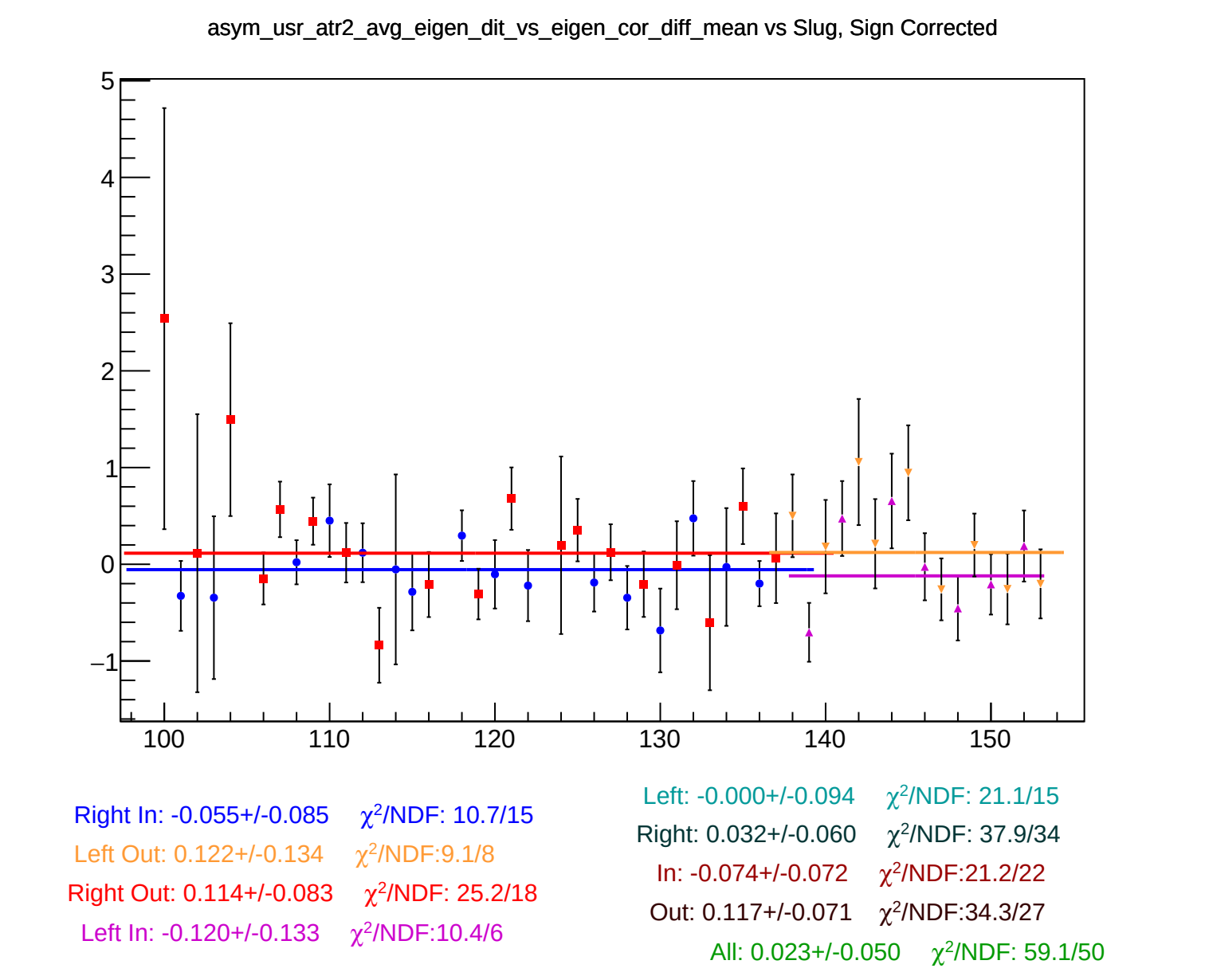
Left: 335.006+/-0.067 χ^2/NDF: 634128.1/15

Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 246.768+/-0.051 χ^2/NDF:2325540.1/22

Out: 243.403+/-0.050 χ^2/NDF:3850170.3/27

All: 245.058+/-0.036 χ^2/NDF: 6177936.7/50


asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
5
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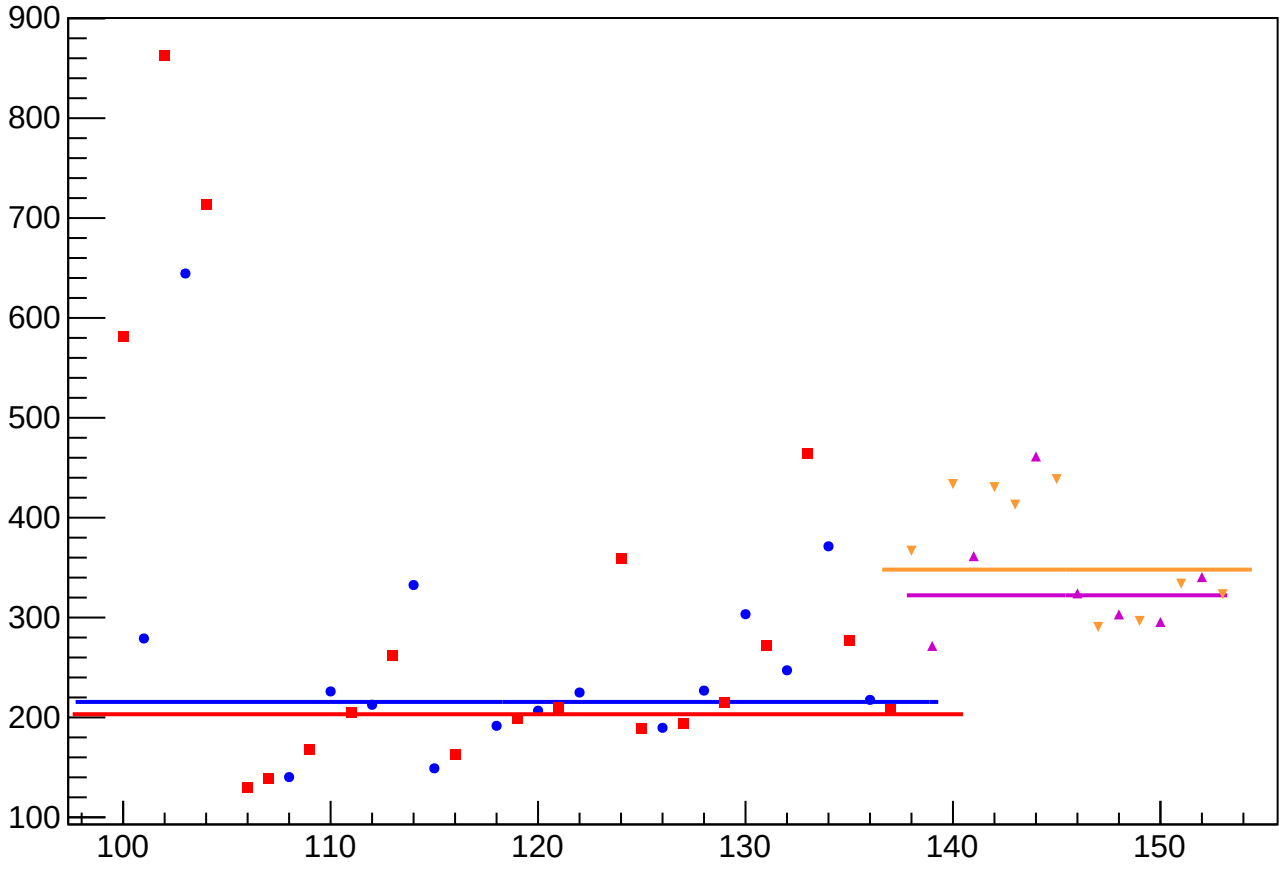
120
130
140
150
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.122+/-0.134 χ²/NDF:9.1/8
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.120+/-0.133 χ²/NDF:10.4/6
Left: -0.000+/-0.094 χ²/NDF: 21.1/15
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.074+/-0.072 χ²/NDF:21.2/22
Out: 0.117+/-0.071 χ²/NDF:34.3/27
All: 0.023+/-0.050 χ²/NDF: 59.1/50

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: 348.008+/-0.095 χ^2/NDF:333521.0/8

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 322.272+/-0.094 χ^2/NDF:263471.0/6

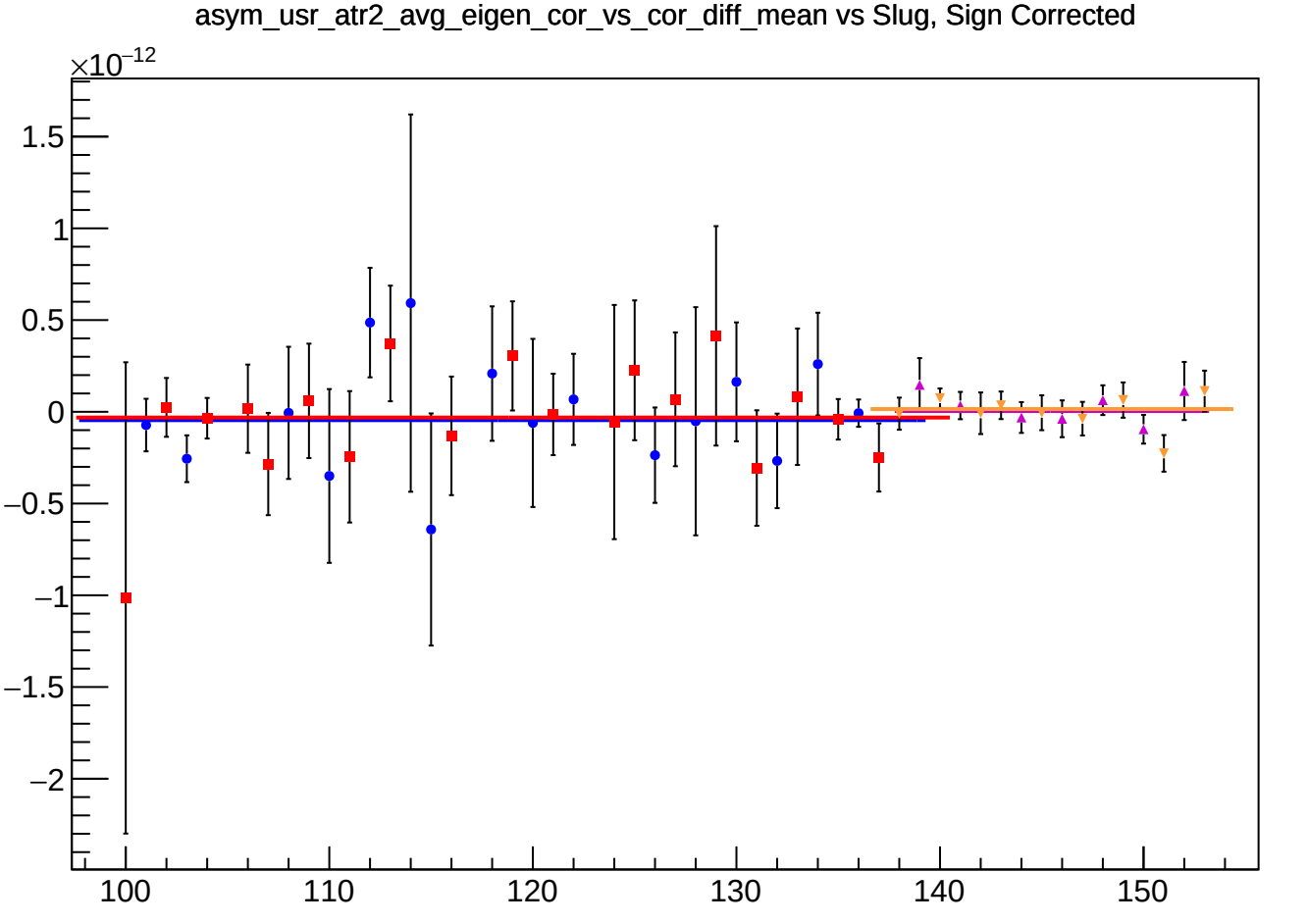
Left: 335.006+/-0.067 χ^2/NDF: 634128.1/15

Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 246.768+/-0.051 χ^2/NDF:2325540.1/22

Out: 243.403+/-0.050 χ^2/NDF:3850170.3/27

All: 245.058+/-0.036 χ^2/NDF: 6177936.7/50



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.7/8

Right Out: -0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: 0.000+/-0.000 χ^2/NDF:4.1/6

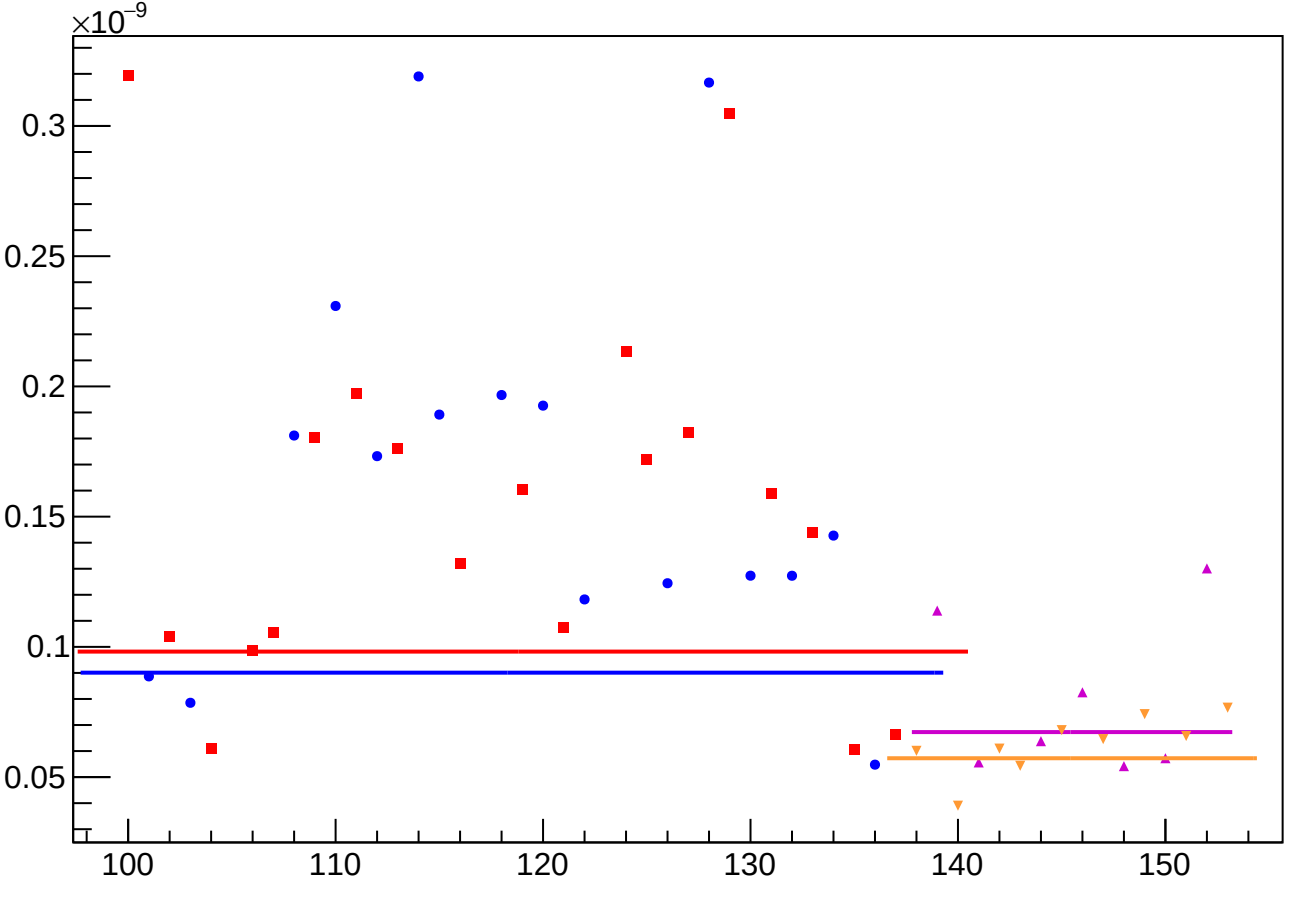
Left: 0.000+/-0.000 χ^2/NDF: 12.8/15

Right: -0.000+/-0.000 χ^2/NDF: 19.9/34

In: -0.000+/-0.000 χ^2/NDF:16.2/22

Out: 0.000+/-0.000 χ^2/NDF:17.7/27

All: -0.000+/-0.000 χ^2/NDF: 34.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:418988.9/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

Left In: 0.000+/-0.000 χ^2/NDF:702789.9/6

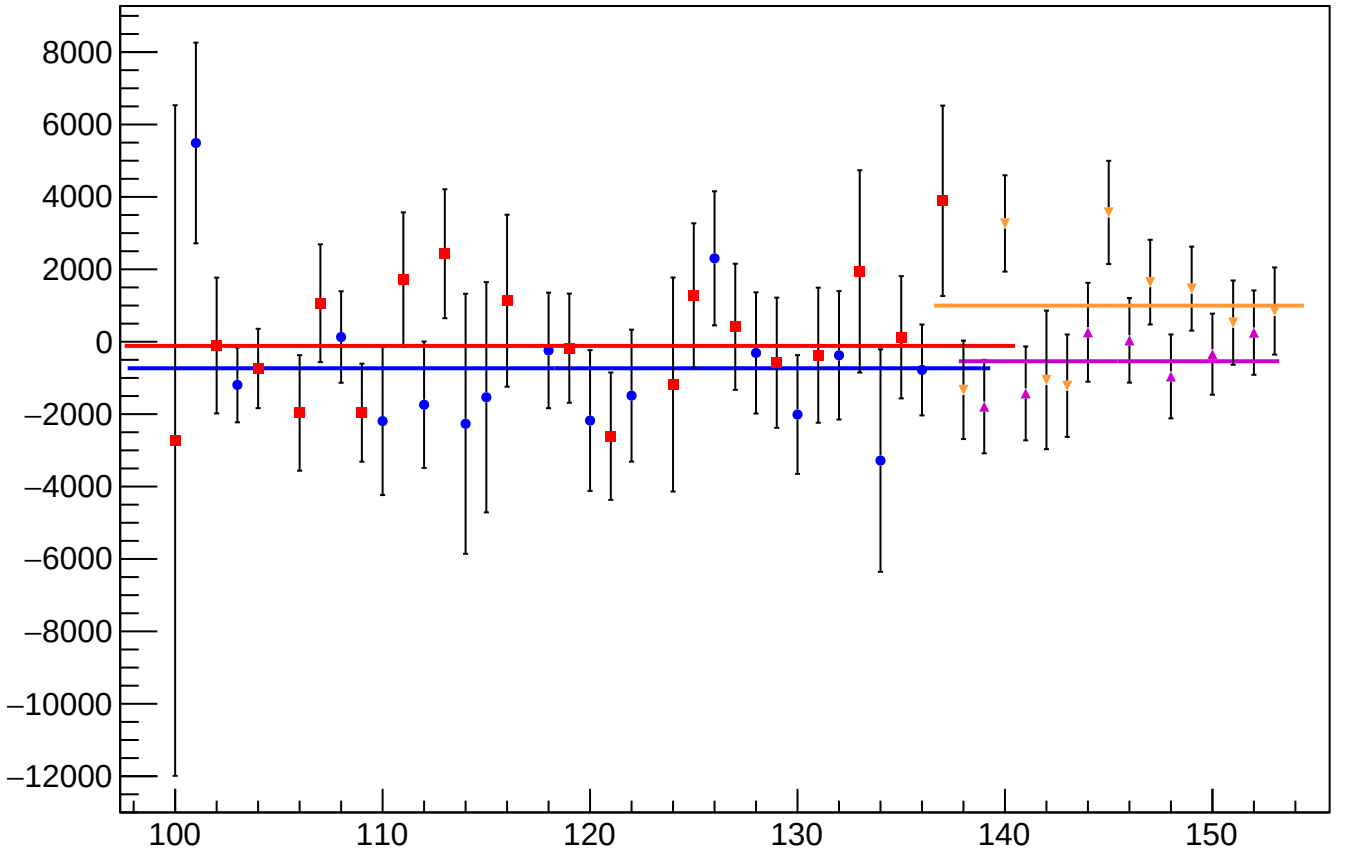
Left: 0.000+/-0.000 χ^2/NDF: 1222235.1/15

Right: 0.000+/-0.000 χ^2/NDF: 3527917.4/34

In: 0.000+/-0.000 χ^2/NDF:2791155.0/22

Out: 0.000+/-0.000 χ^2/NDF:3070123.5/27

All: 0.000+/-0.000 χ^2/NDF: 5956190.5/50



Right In: -732.747+/-427.384 χ^2/NDF: 11.7/15

Left Out: 997.339+/-435.541 χ^2/NDF:13.3/8

Right Out: -115.040+/-411.437 χ^2/NDF: 13.1/18

Left In: -538.987+/-459.160 χ^2/NDF:2.6/6

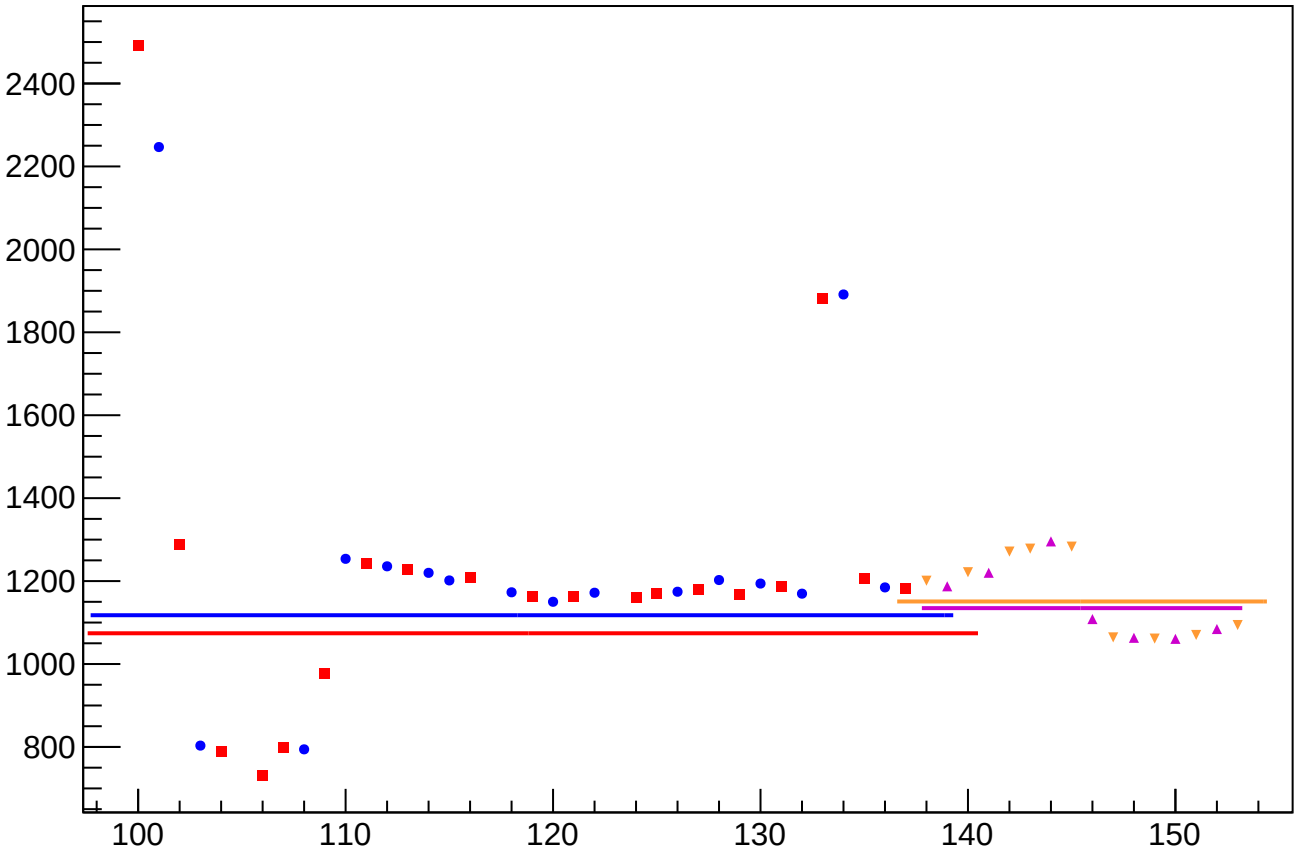
Left: 269.705+/-315.994 χ^2/NDF: 21.9/15

Right: -412.155+/-296.407 χ^2/NDF: 25.9/34

In: -642.803+/-312.837 χ^2/NDF:14.4/22

Out: 409.518+/-299.089 χ^2/NDF:29.9/27

All: -93.011+/-216.185 χ^2/NDF: 50.2/50



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1150.838+/-0.308 χ^2/NDF:86608.3/8

Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1134.776+/-0.325 χ^2/NDF:60888.0/6

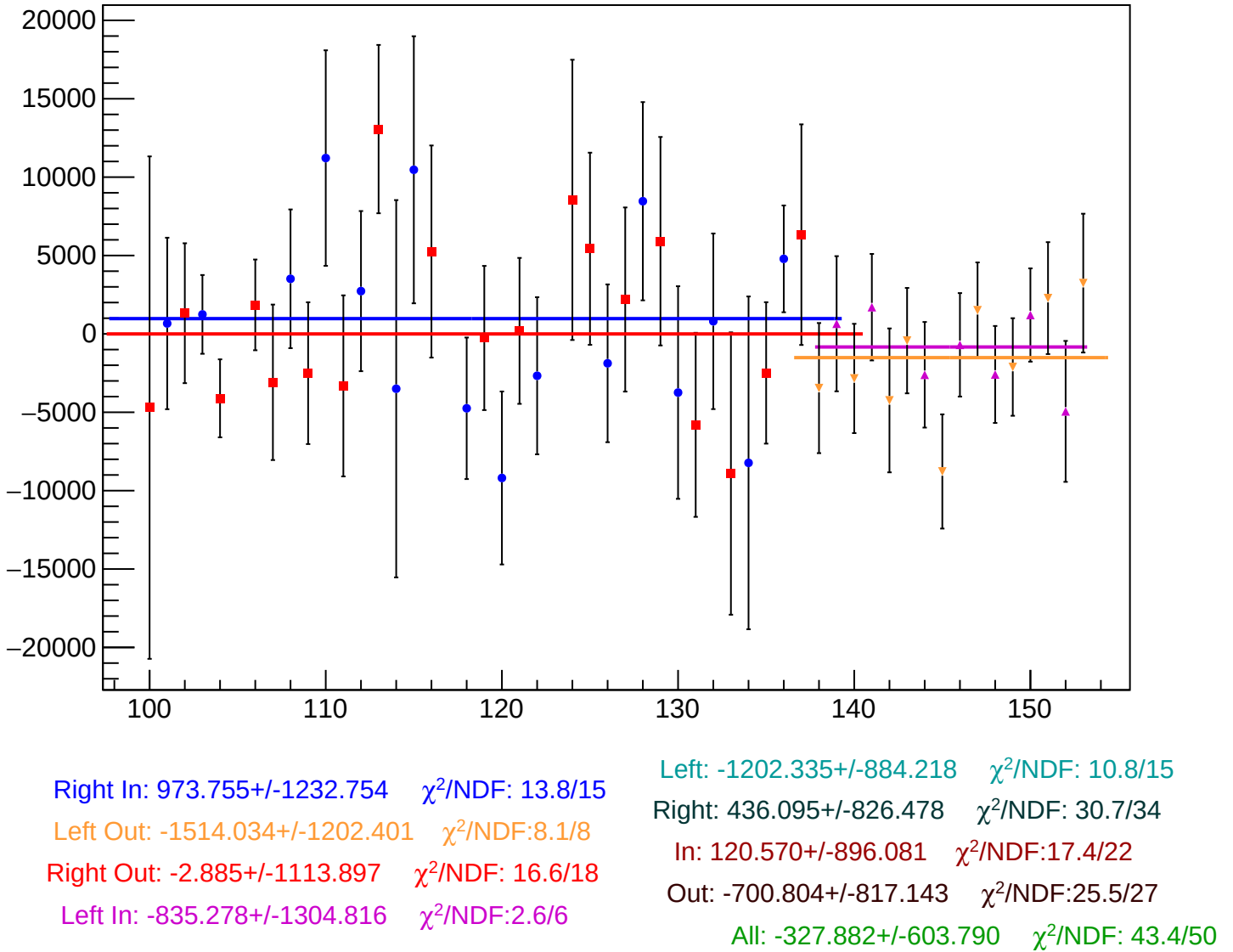
Left: 1143.231+/-0.223 χ^2/NDF: 148784.6/15

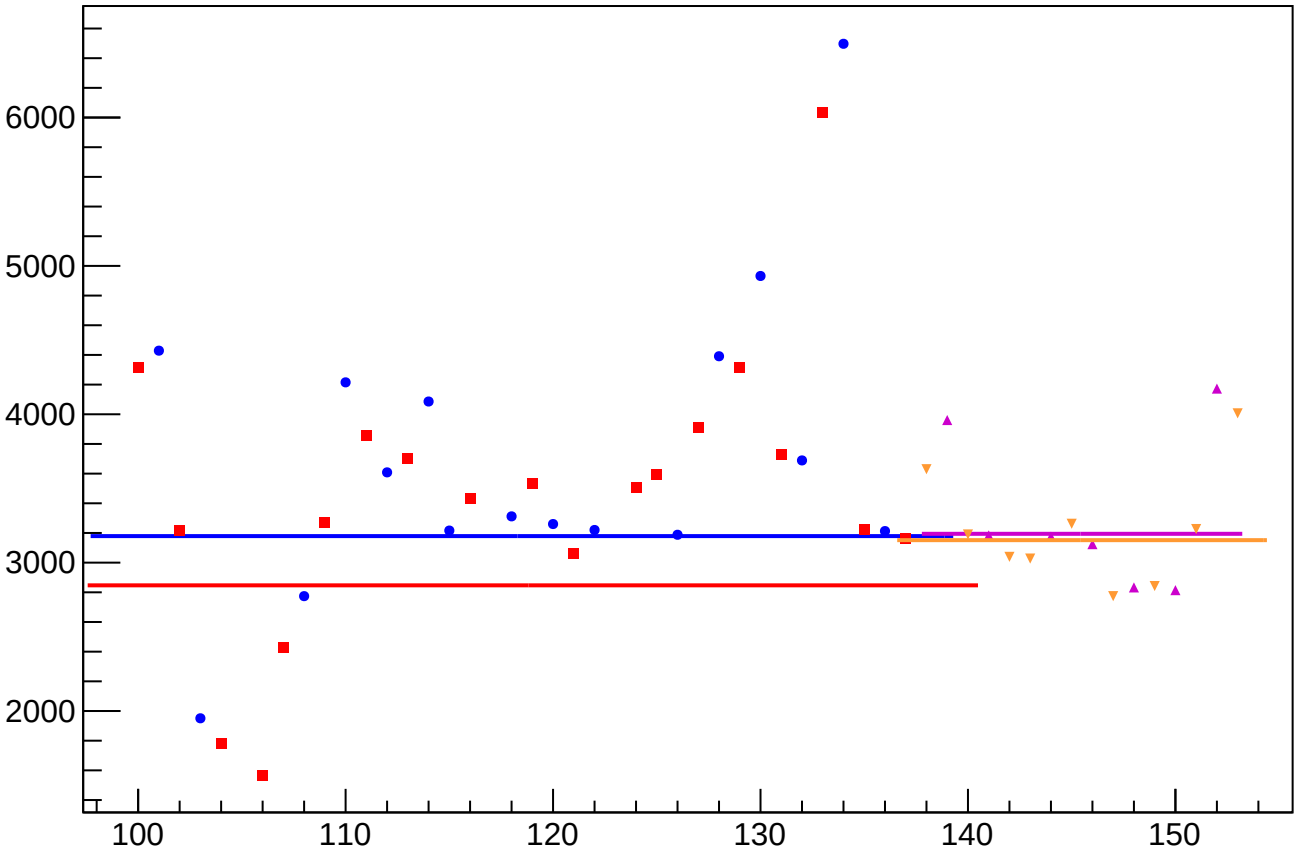
Right: 1094.908+/-0.209 χ^2/NDF: 1480200.6/34

In: 1125.618+/-0.221 χ^2/NDF:882208.0/22

Out: 1109.995+/-0.211 χ^2/NDF:769141.3/27

All: 1117.421+/-0.153 χ^2/NDF: 1653966.2/50


asym_usr_atr2_dd_reg_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: 973.755+/-1232.754 χ²/NDF: 13.8/15
Left Out: -1514.034+/-1202.401 χ²/NDF:8.1/8
Right Out: -2.885+/-1113.897 χ²/NDF: 16.6/18
Left In: -835.278+/-1304.816 χ²/NDF:2.6/6
Left: -1202.335+/-884.218 χ²/NDF: 10.8/15
Right: 436.095+/-826.478 χ²/NDF: 30.7/34
In: 120.570+/-896.081 χ²/NDF:17.4/22
Out: -700.804+/-817.143 χ²/NDF:25.5/27
All: -327.882+/-603.790 χ²/NDF: 43.4/50



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3151.534+/-0.850 χ^2/NDF:158323.5/8

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

Left In: 3194.342+/-0.923 χ^2/NDF:218934.6/6

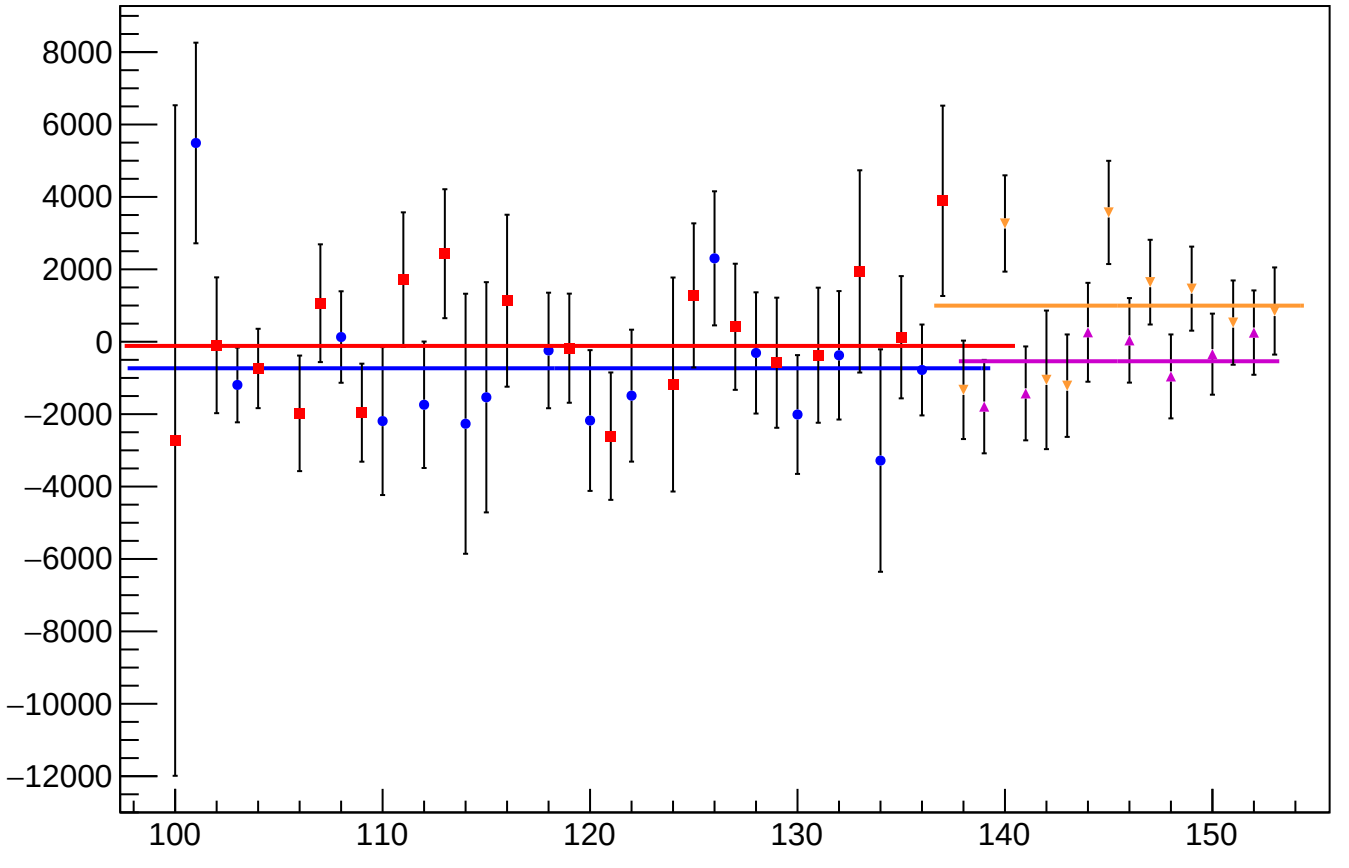
Left: 3171.192+/-0.625 χ^2/NDF: 378422.3/15

Right: 2996.178+/-0.584 χ^2/NDF: 2682627.1/34

In: 3186.167+/-0.634 χ^2/NDF:1310760.1/22

Out: 2987.656+/-0.578 χ^2/NDF:1738518.4/27

All: 3077.784+/-0.427 χ^2/NDF: 3102867.6/50



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 997.374+/-435.541 χ^2/NDF:13.3/8

Right Out: -115.308+/-411.441 χ^2/NDF: 13.1/18

Left In: -538.984+/-459.160 χ^2/NDF:2.6/6

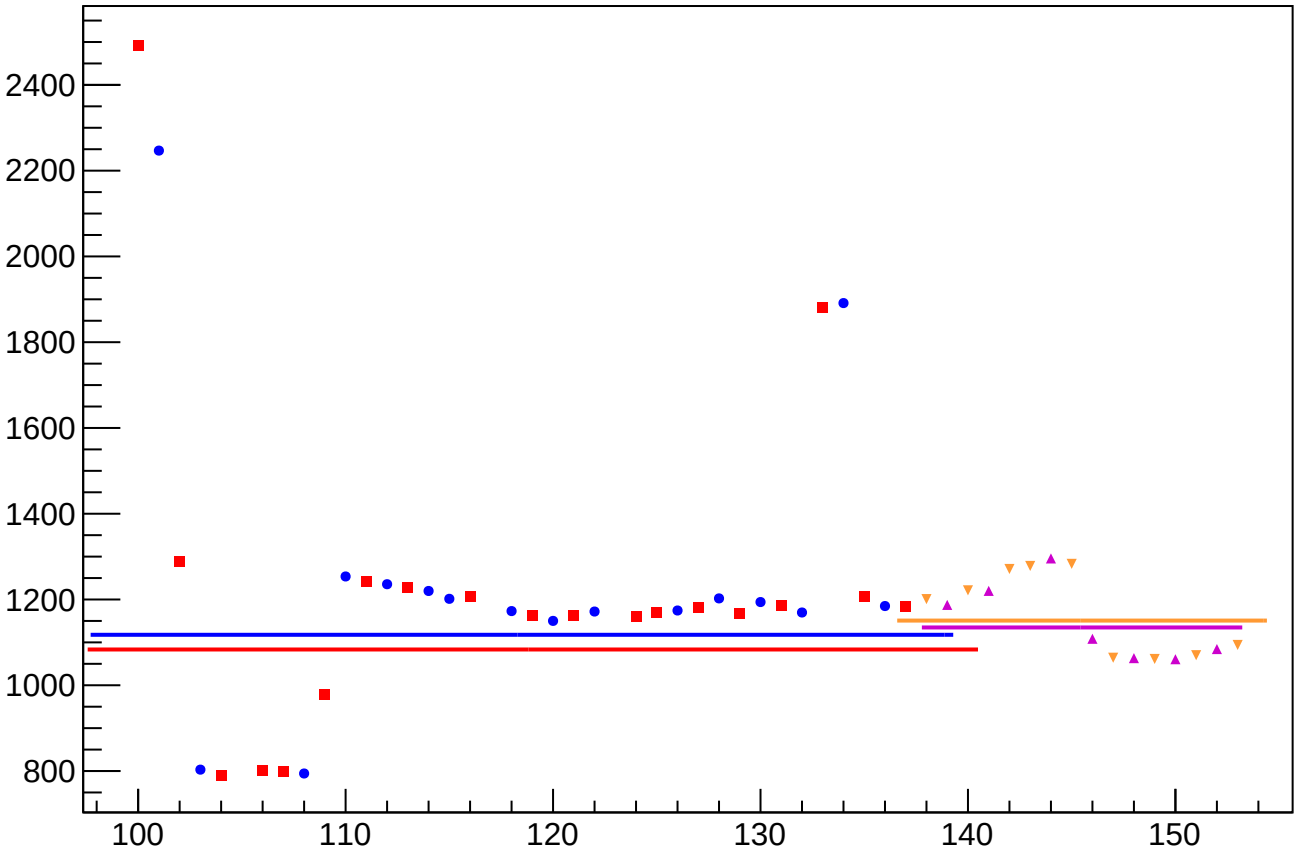
Left: 269.725+/-315.994 χ^2/NDF: 21.8/15

Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -642.767+/-312.837 χ^2/NDF:14.4/22

Out: 409.399+/-299.090 χ^2/NDF:29.9/27

All: -93.058+/-216.185 χ^2/NDF: 50.2/50



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1150.838+/-0.308 χ^2/NDF:86608.3/8

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1134.776+/-0.325 χ^2/NDF:60888.0/6

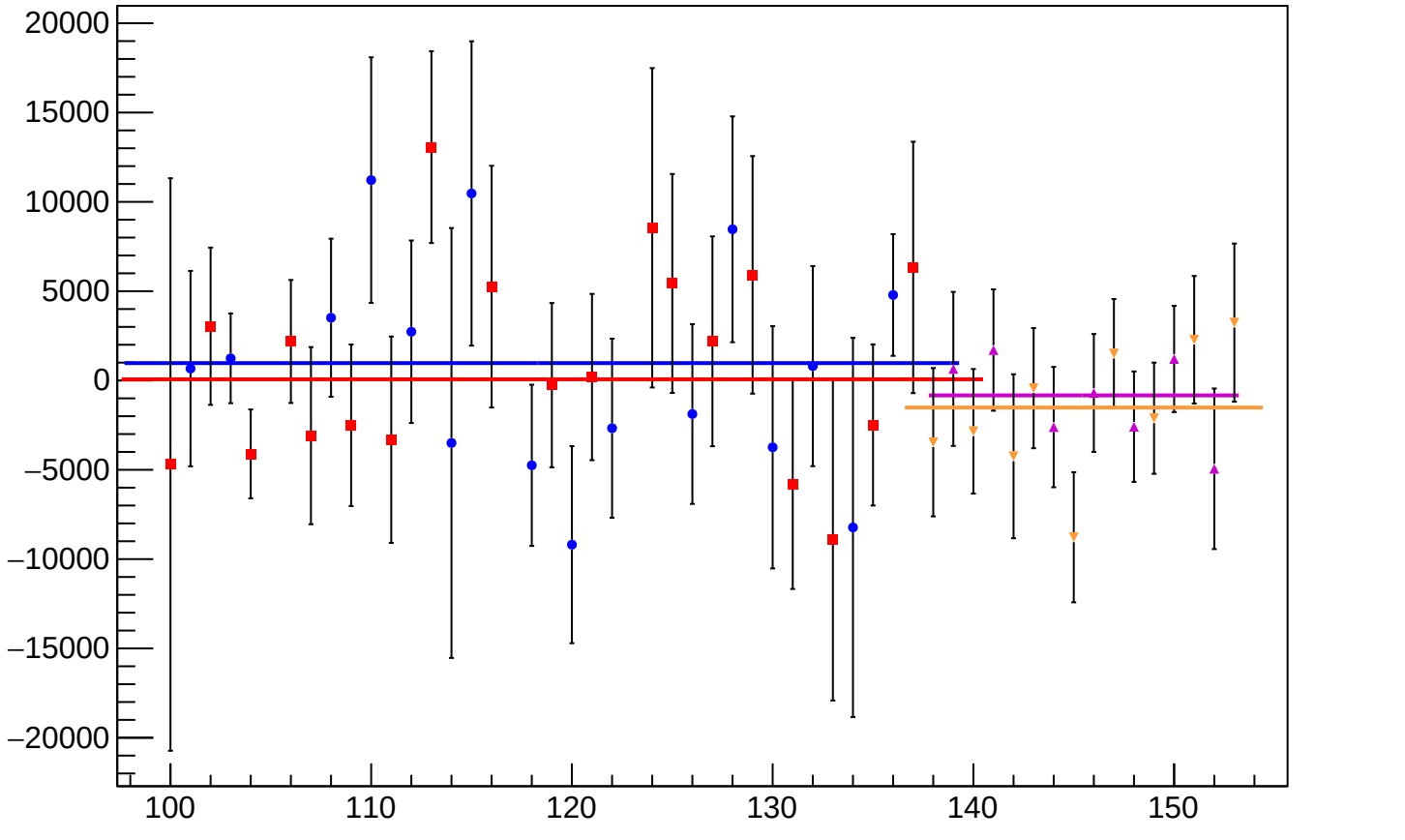
Left: 1143.231+/-0.223 χ^2/NDF: 148784.6/15

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1125.618+/-0.221 χ^2/NDF:882204.5/22

Out: 1115.148+/-0.211 χ^2/NDF:706993.2/27

All: 1120.143+/-0.153 χ^2/NDF: 1590369.3/50



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -1514.024+/-1202.399 χ^2/NDF:8.1/8

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -835.280+/-1304.815 χ^2/NDF:2.6/6

Left: -1202.331+/-884.218 χ^2/NDF: 10.8/15

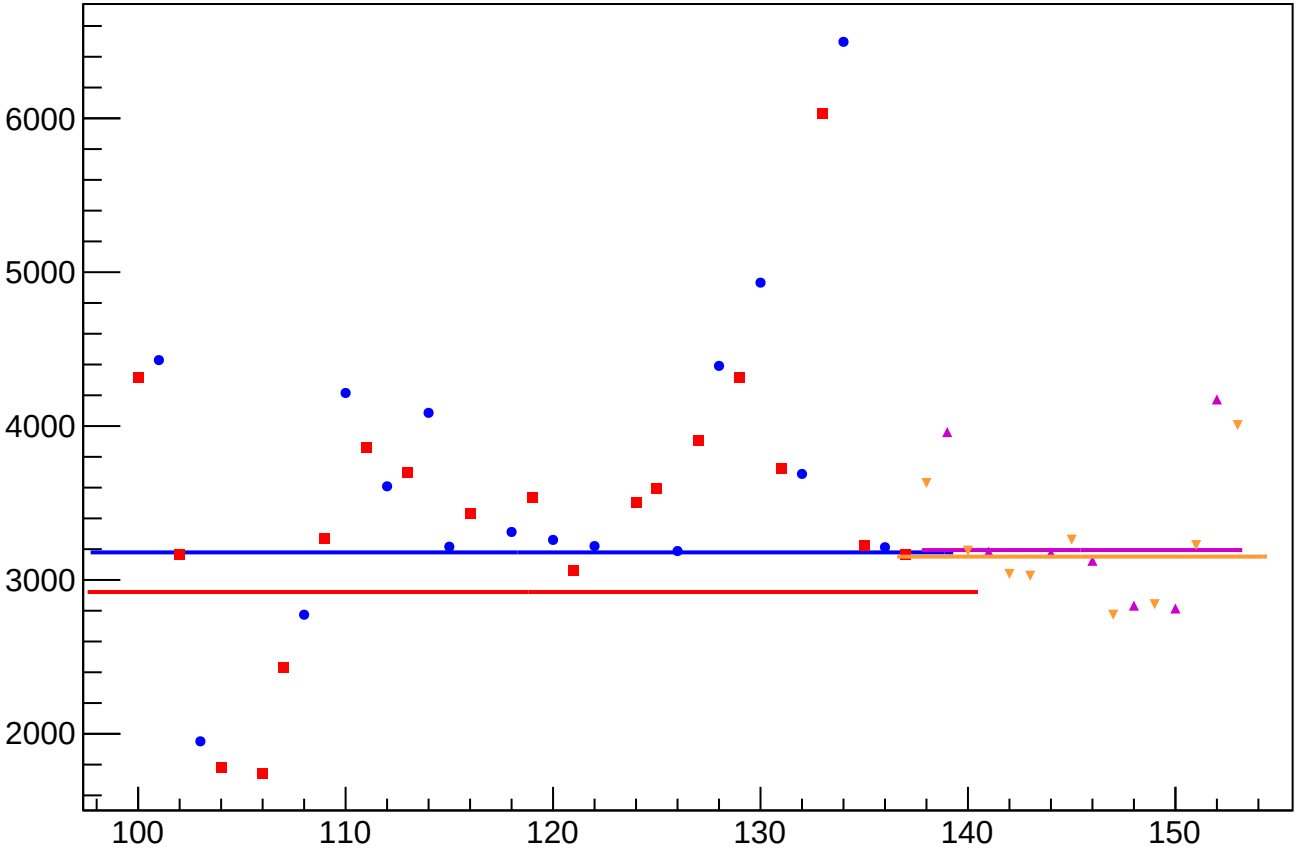
Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 120.269+/-896.100 χ^2/NDF:17.4/22

Out: -679.907+/-826.475 χ^2/NDF:26.0/27

All: -312.108+/-607.531 χ^2/NDF: 43.8/50

asym_usr_atr2_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3151.529+/-0.850 χ^2/NDF:158326.0/8

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3194.341+/-0.923 χ^2/NDF:218936.4/6

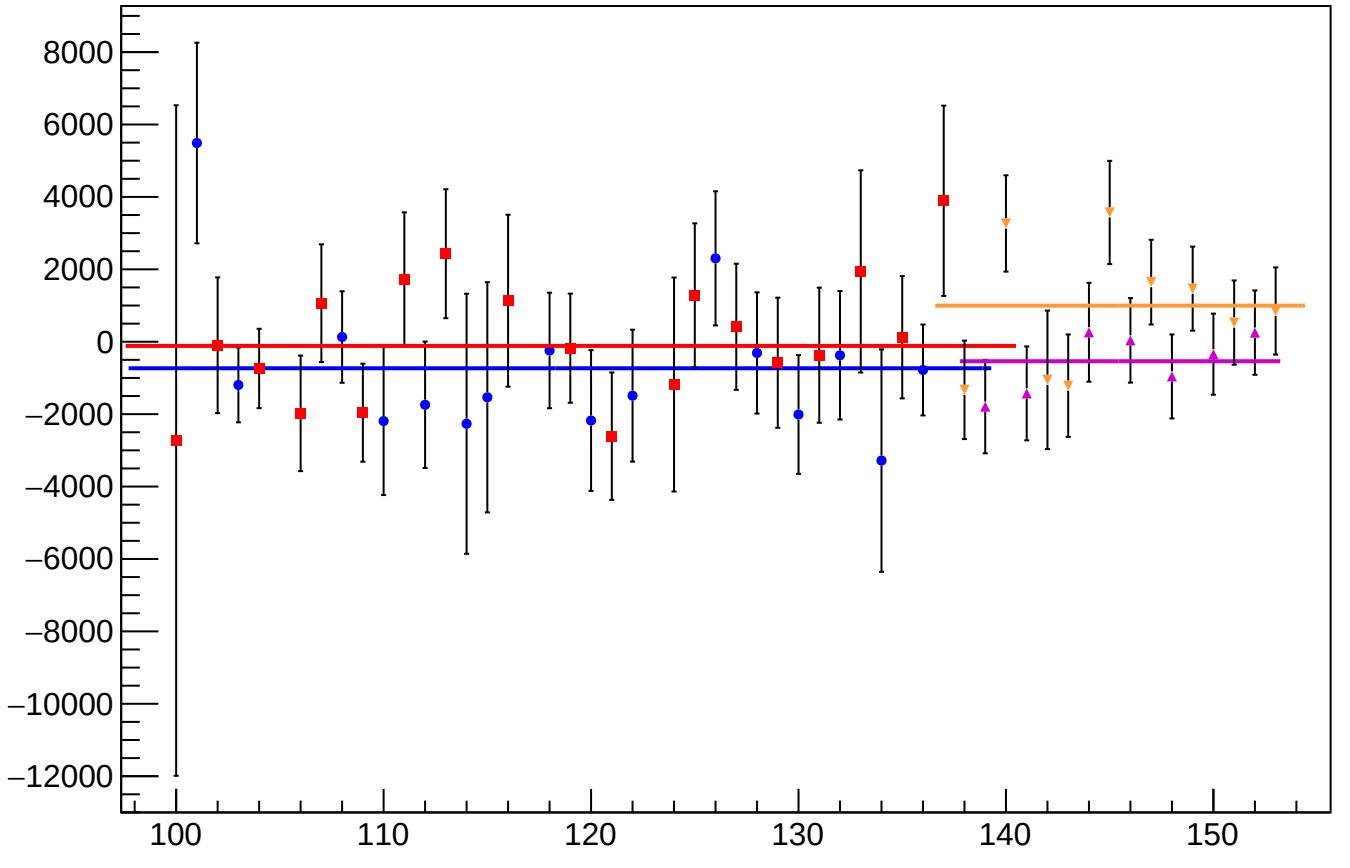
Left: 3171.189+/-0.625 χ^2/NDF: 378426.8/15

Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3186.264+/-0.634 χ^2/NDF:1310318.0/22

Out: 3030.253+/-0.584 χ^2/NDF:1509783.7/27

All: 3101.963+/-0.430 χ^2/NDF: 2852858.7/50



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 997.374+/-435.541 χ^2/NDF:13.3/8

Right Out: -115.308+/-411.441 χ^2/NDF: 13.1/18

Left In: -538.984+/-459.160 χ^2/NDF:2.6/6

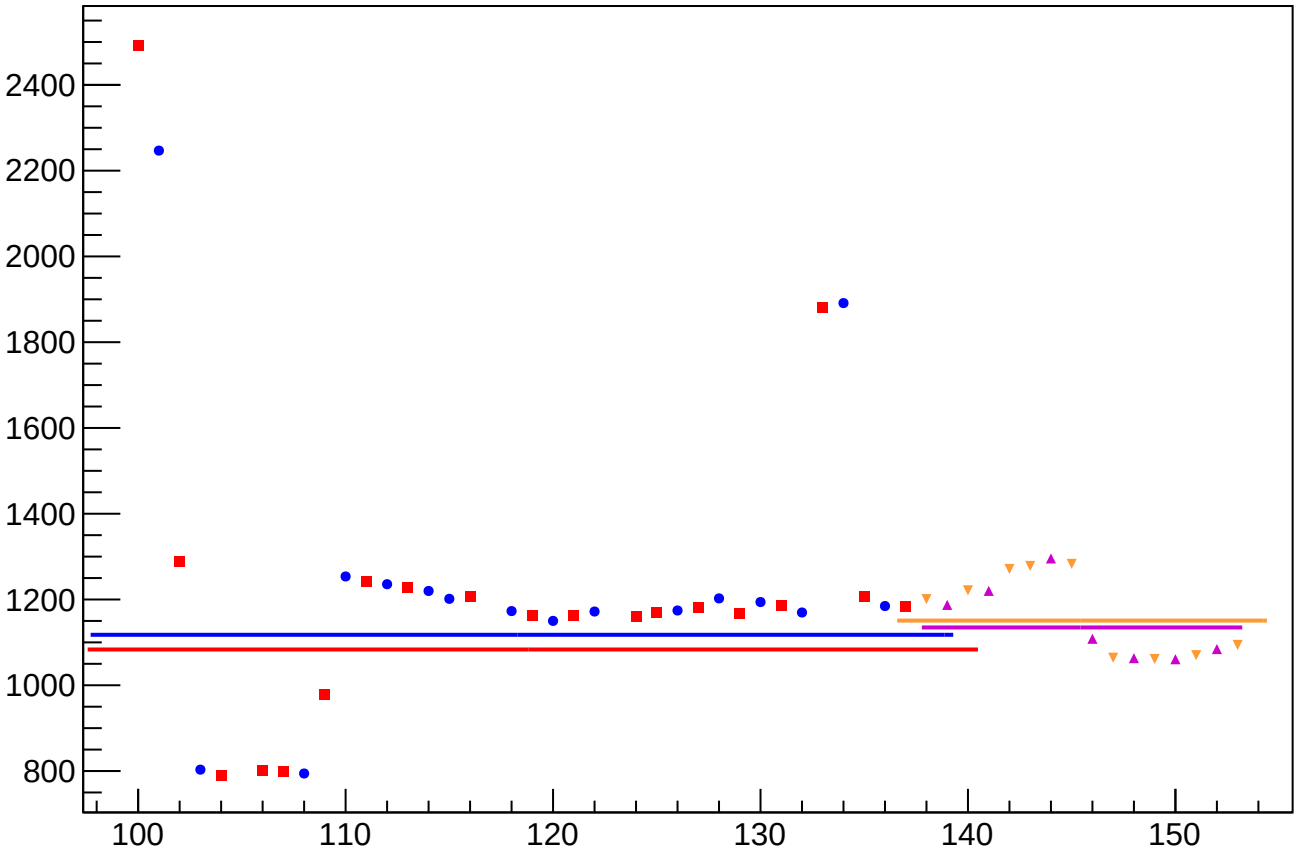
Left: 269.725+/-315.994 χ^2/NDF: 21.8/15

Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -642.767+/-312.837 χ^2/NDF:14.4/22

Out: 409.399+/-299.090 χ^2/NDF:29.9/27

All: -93.058+/-216.185 χ^2/NDF: 50.2/50



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1150.838+/-0.308 χ^2/NDF:86608.3/8

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1134.776+/-0.325 χ^2/NDF:60888.0/6

Left: 1143.231+/-0.223 χ^2/NDF: 148784.6/15

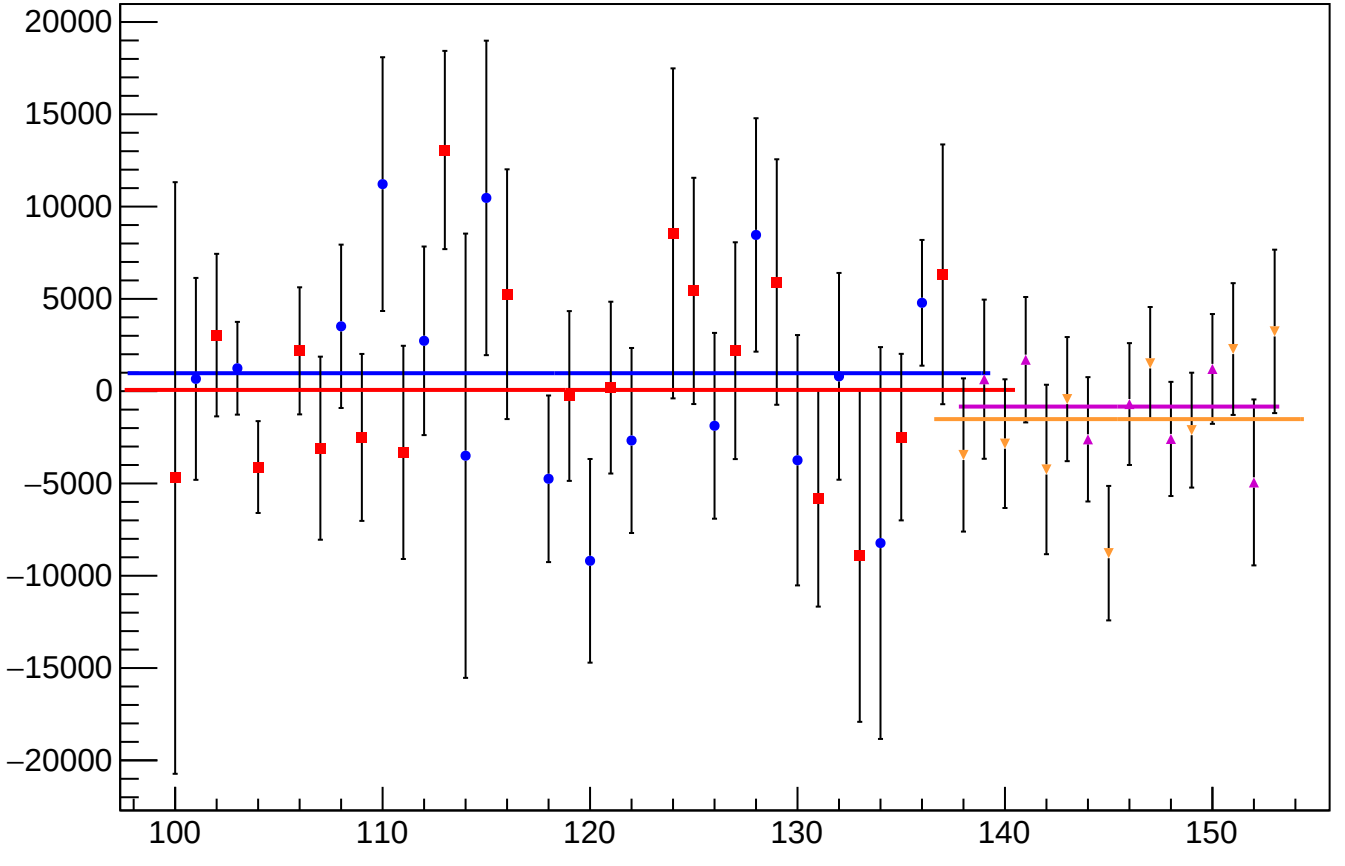
Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1125.618+/-0.221 χ^2/NDF:882204.5/22

Out: 1115.148+/-0.211 χ^2/NDF:706993.2/27

All: 1120.143+/-0.153 χ^2/NDF: 1590369.3/50

asym_usr_atr2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -1514.024+/-1202.399 χ^2/NDF:8.1/8

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -835.280+/-1304.815 χ^2/NDF:2.6/6

Left: -1202.331+/-884.218 χ^2/NDF: 10.8/15

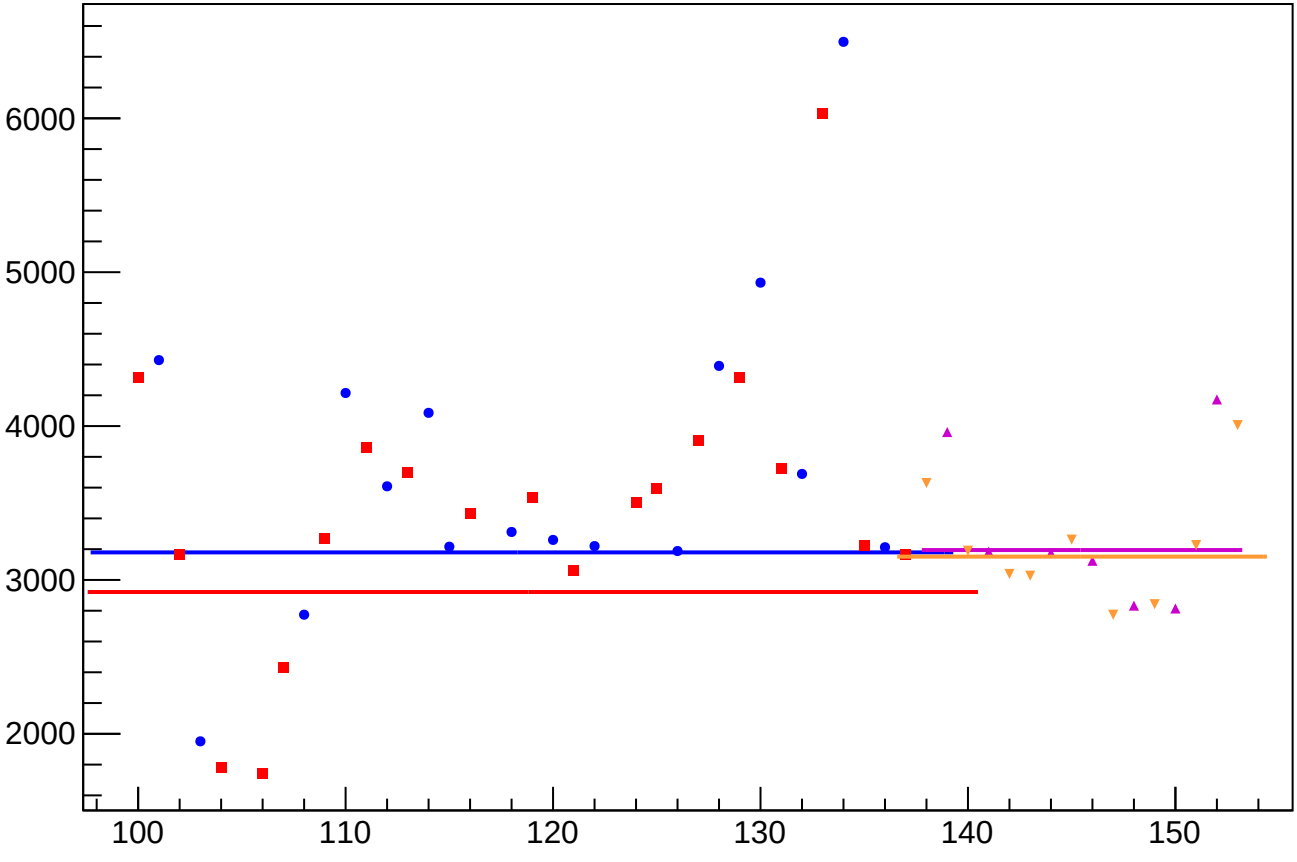
Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 120.269+/-896.100 χ^2/NDF:17.4/22

Out: -679.907+/-826.475 χ^2/NDF:26.0/27

All: -312.108+/-607.531 χ^2/NDF: 43.8/50

asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3151.529+/-0.850 χ^2/NDF:158326.0/8

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3194.341+/-0.923 χ^2/NDF:218936.4/6

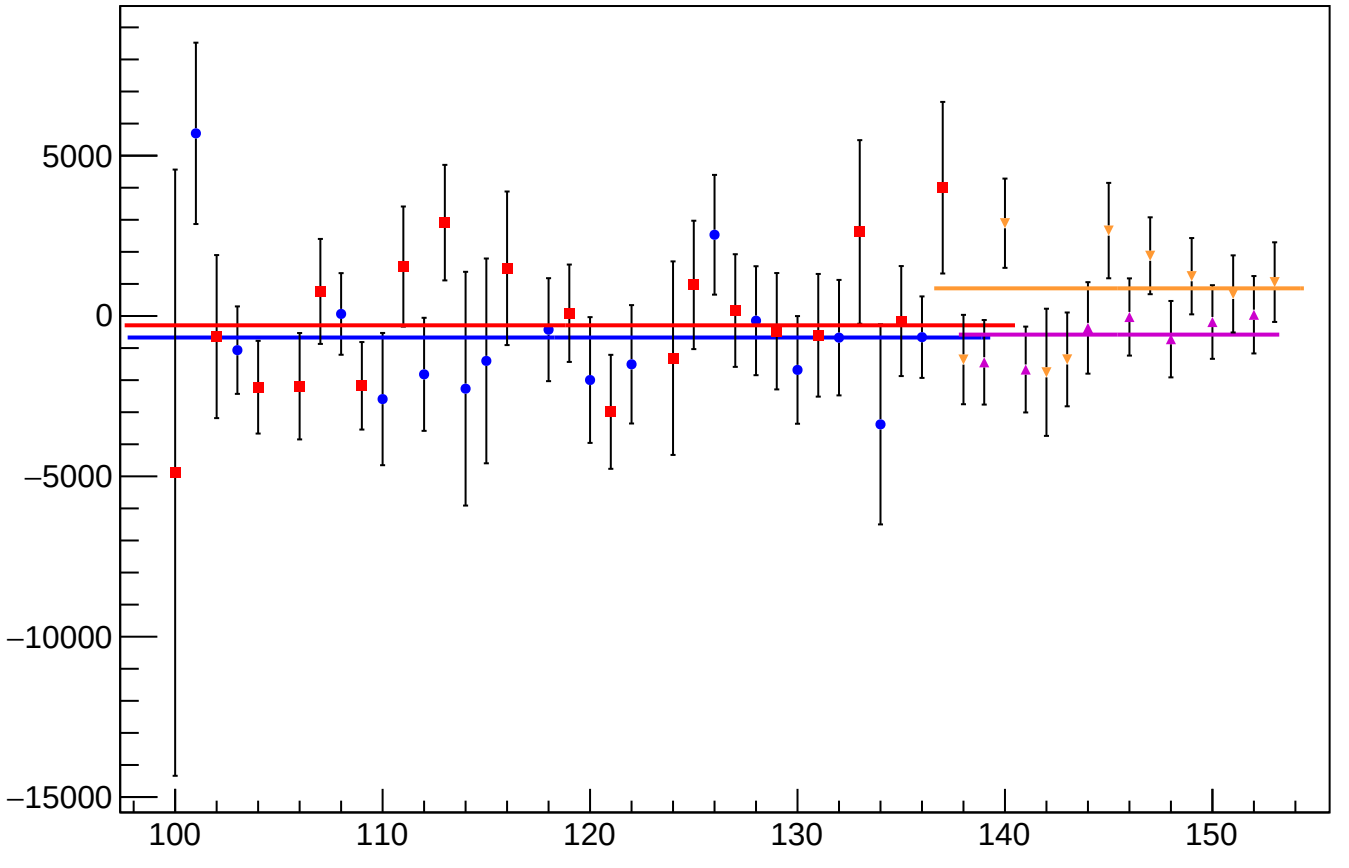
Left: 3171.189+/-0.625 χ^2/NDF: 378426.8/15

Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3186.264+/-0.634 χ^2/NDF:1310318.0/22

Out: 3030.253+/-0.584 χ^2/NDF:1509783.7/27

All: 3101.963+/-0.430 χ^2/NDF: 2852858.7/50



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 862.176+/-449.559 χ^2/NDF:11.0/8

Right Out: -290.311+/-434.425 χ^2/NDF: 16.9/18

Left In: -580.266+/-473.261 χ^2/NDF:1.7/6

Left: 177.978+/-325.943 χ^2/NDF: 17.6/15

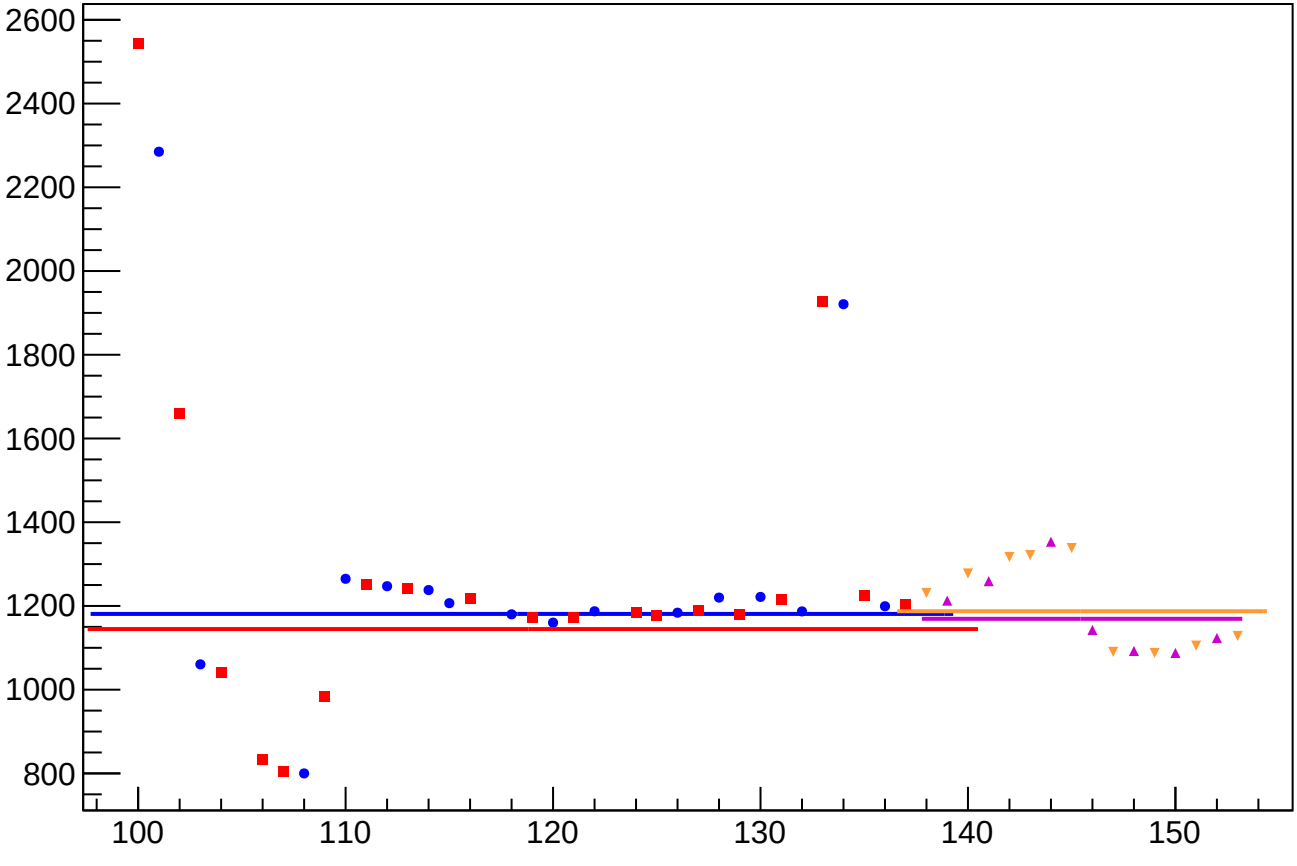
Right: -474.501+/-312.042 χ^2/NDF: 29.2/34

In: -627.973+/-325.539 χ^2/NDF:13.6/22

Out: 266.207+/-312.398 χ^2/NDF:31.4/27

All: -162.472+/-225.401 χ^2/NDF: 48.9/50

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1187.334+/-0.318 χ^2/NDF:97341.1/8

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

Left In: 1169.269+/-0.335 χ^2/NDF:66794.8/6

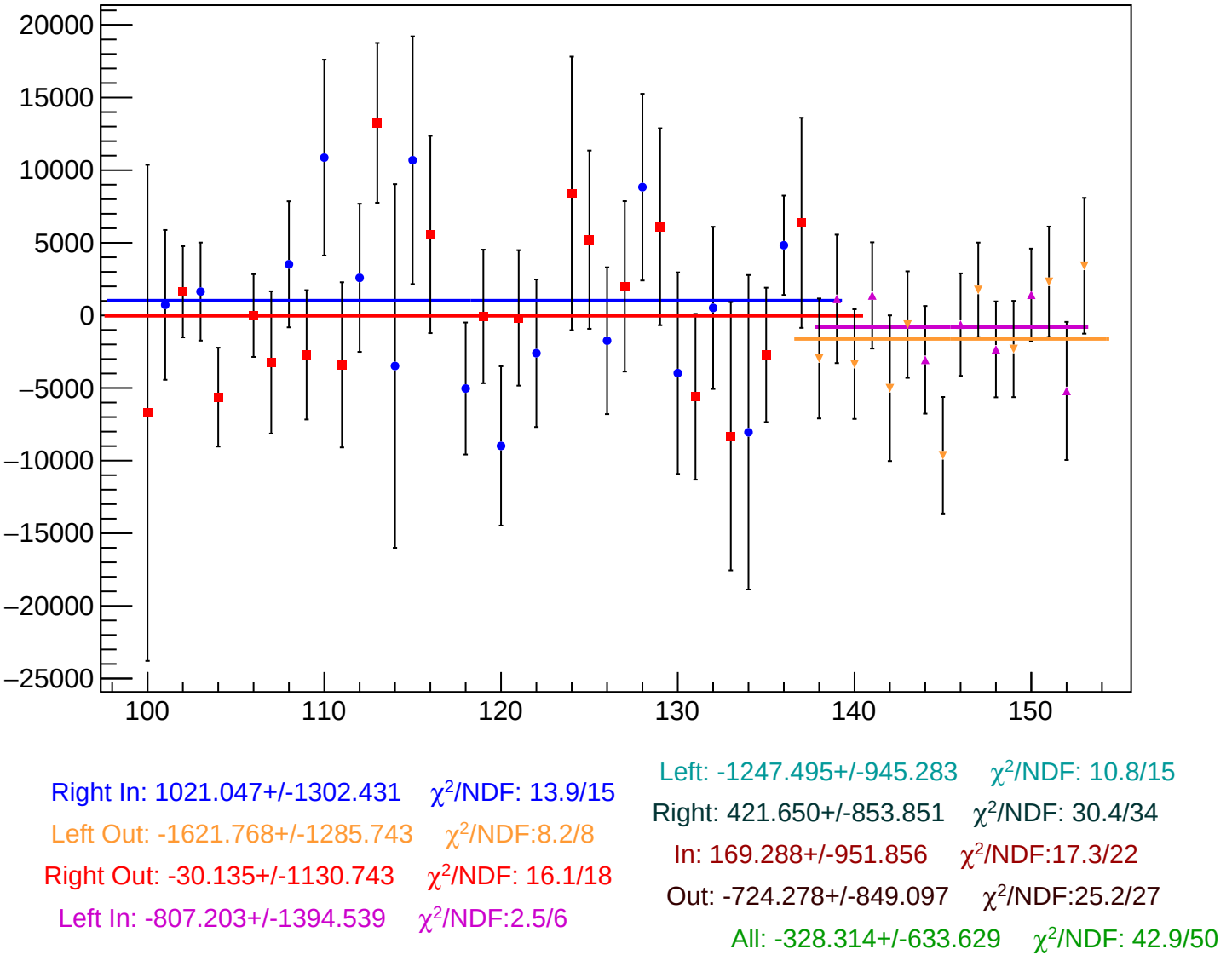
Left: 1178.765+/-0.230 χ^2/NDF: 165667.9/15

Right: 1162.281+/-0.221 χ^2/NDF: 1126326.7/34

In: 1175.426+/-0.230 χ^2/NDF:689316.0/22

Out: 1165.317+/-0.221 χ^2/NDF:604344.1/27

All: 1170.162+/-0.159 χ^2/NDF: 1294664.2/50


asym_usr_atr2_dd_dit_correction_mean vs Slug, Sign Corrected
20000
15000
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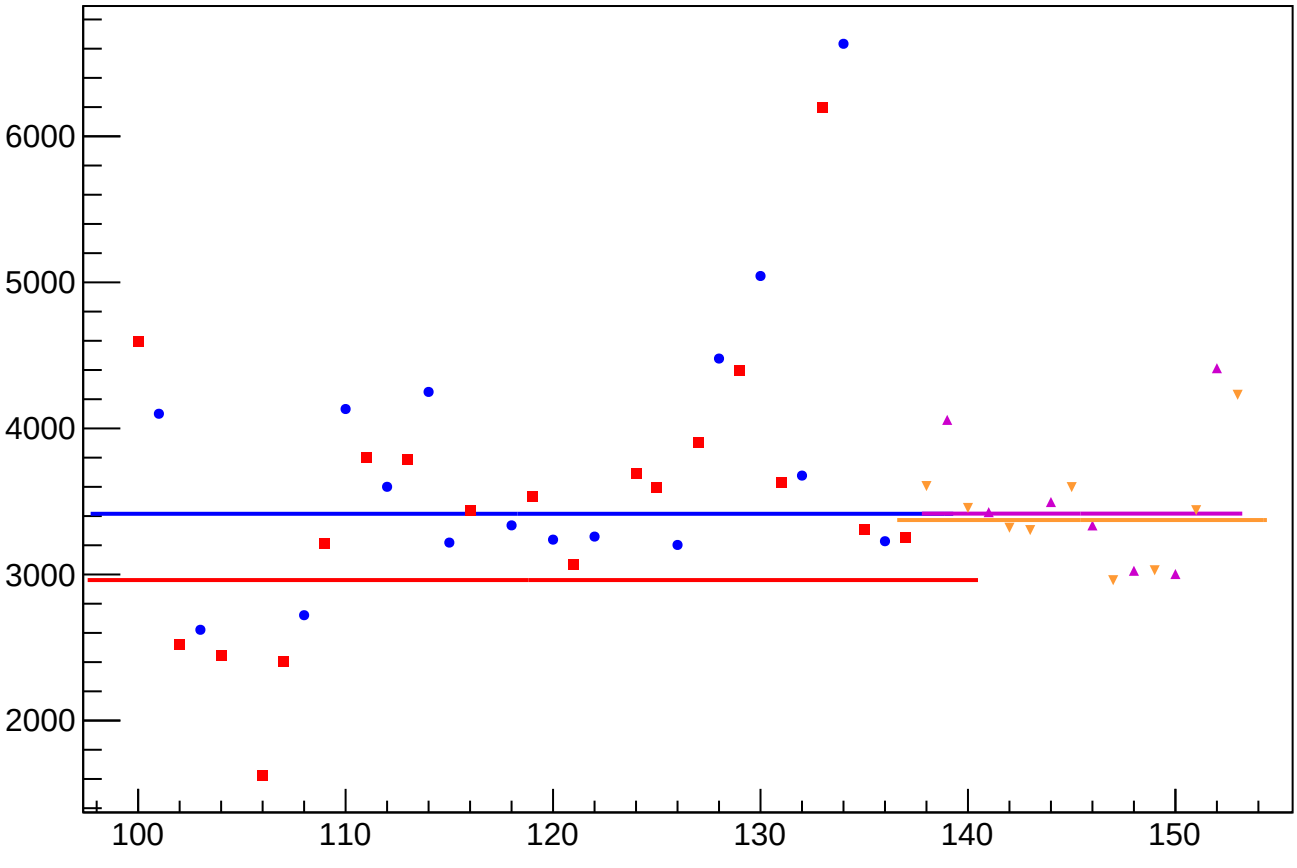
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
Right In: 1021.047+/-1302.431 χ²/NDF: 13.9/15
Left Out: -1621.768+/-1285.743 χ²/NDF:8.2/8
Right Out: -30.135+/-1130.743 χ²/NDF: 16.1/18
Left In: -807.203+/-1394.539 χ²/NDF:2.5/6
Left: -1247.495+/-945.283 χ²/NDF: 10.8/15
Right: 421.650+/-853.851 χ²/NDF: 30.4/34
In: 169.288+/-951.856 χ²/NDF:17.3/22
Out: -724.278+/-849.097 χ²/NDF:25.2/27
All: -328.314+/-633.629 χ²/NDF: 42.9/50



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3372.745+/-0.909 χ^2/NDF:135970.7/8

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

Left In: 3416.794+/-0.986 χ^2/NDF:193866.1/6

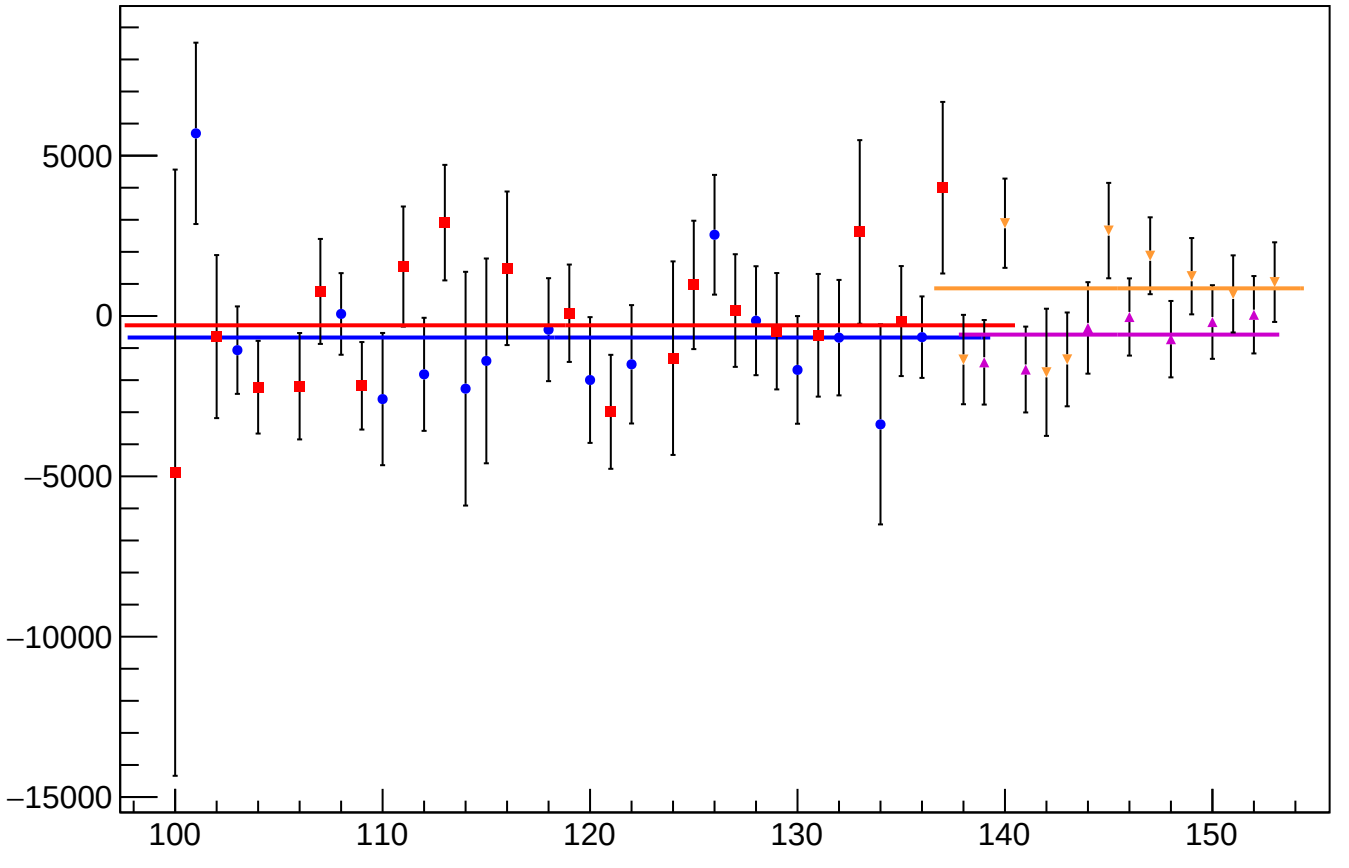
Left: 3392.985+/-0.668 χ^2/NDF: 330915.3/15

Right: 3156.834+/-0.604 χ^2/NDF: 1900046.9/34

In: 3416.153+/-0.673 χ^2/NDF:786210.9/22

Out: 3141.020+/-0.600 χ^2/NDF:1420435.4/27

All: 3262.939+/-0.448 χ^2/NDF: 2299699.1/50



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 862.179+/-449.560 χ^2/NDF:11.0/8

Right Out: -290.316+/-434.425 χ^2/NDF: 16.9/18

Left In: -580.261+/-473.261 χ^2/NDF:1.7/6

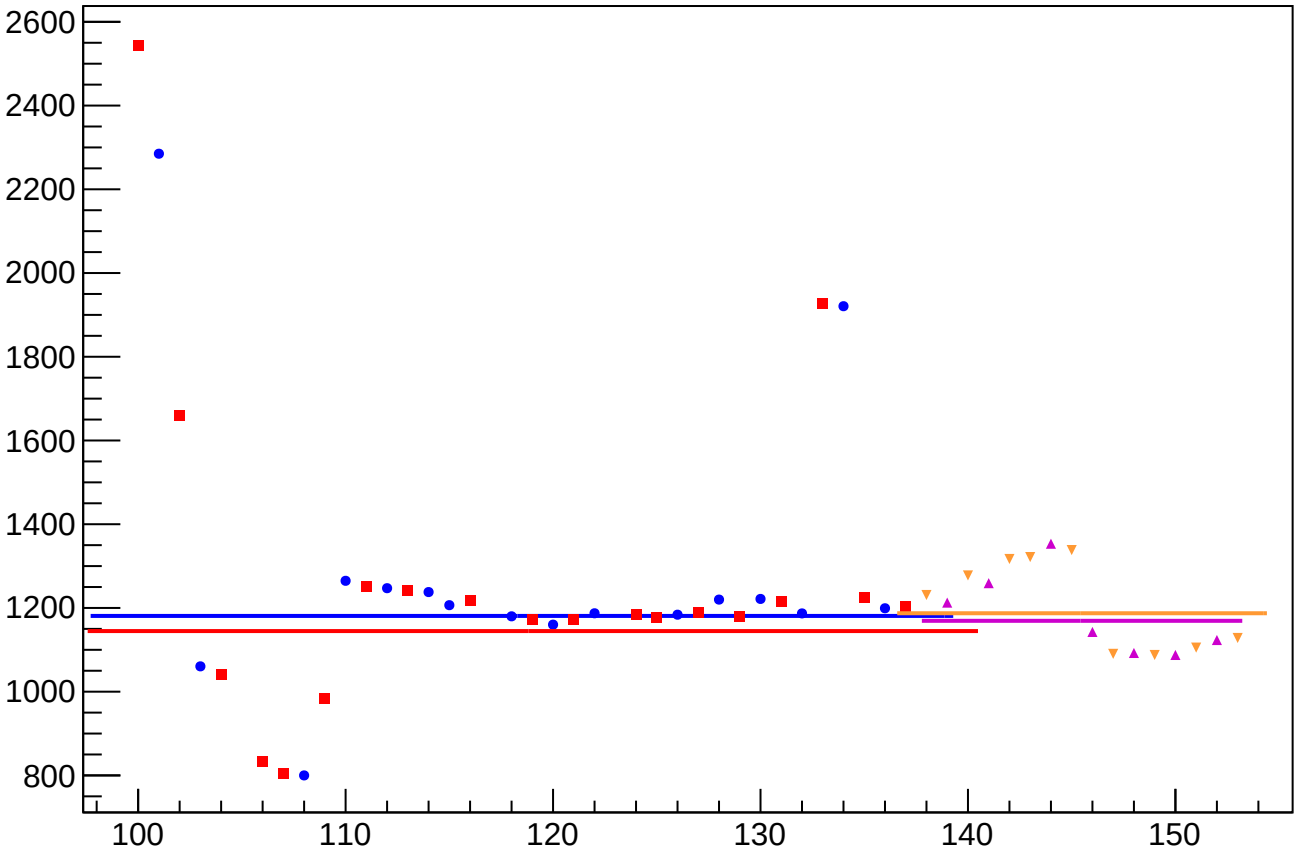
Left: 177.982+/-325.944 χ^2/NDF: 17.6/15

Right: -474.506+/-312.042 χ^2/NDF: 29.2/34

In: -627.974+/-325.539 χ^2/NDF:13.6/22

Out: 266.205+/-312.398 χ^2/NDF:31.4/27

All: -162.473+/-225.401 χ^2/NDF: 48.9/50



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1187.335+/-0.318 χ^2/NDF:97341.3/8

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1169.269+/-0.335 χ^2/NDF:66794.4/6

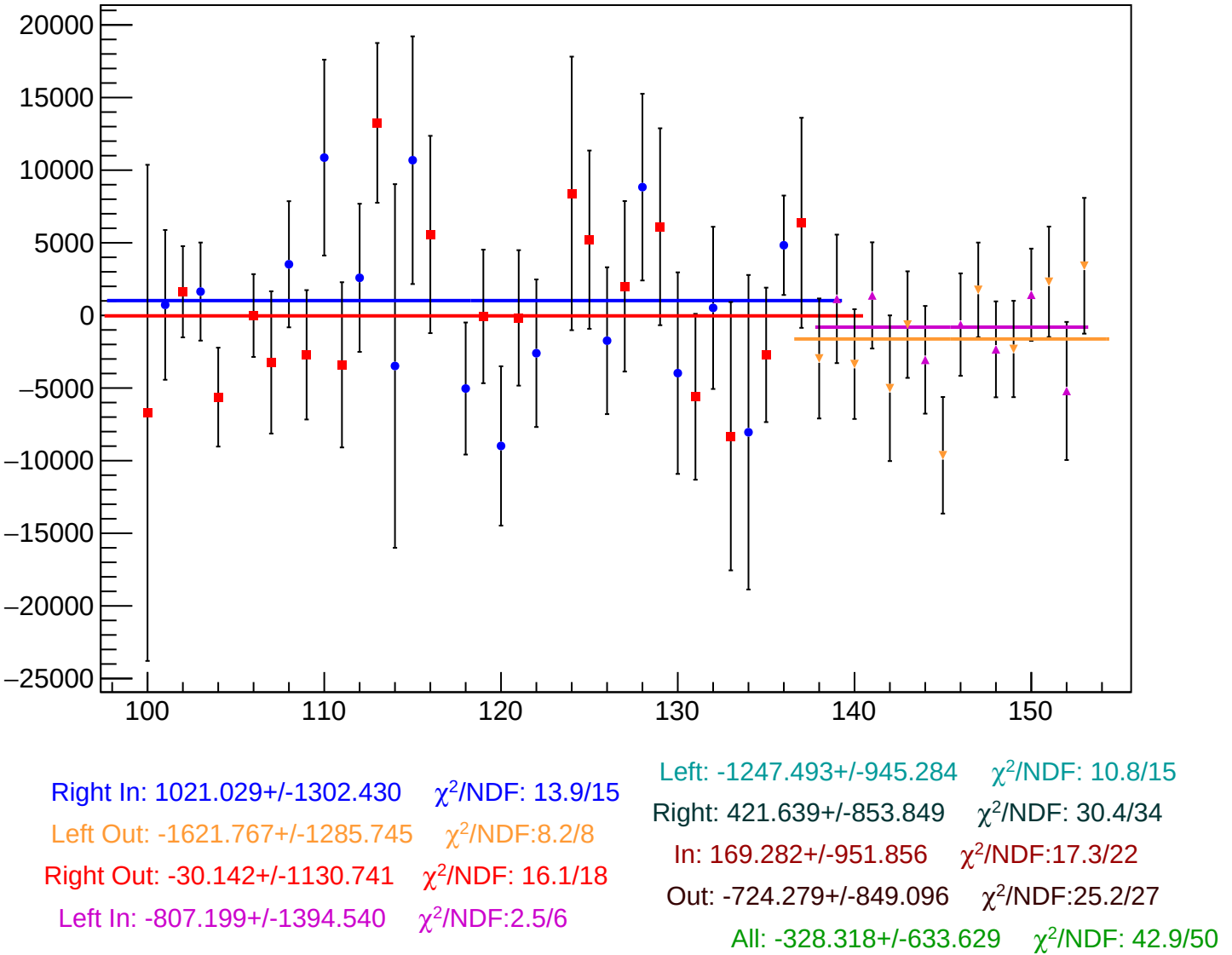
Left: 1178.766+/-0.230 χ^2/NDF: 165667.6/15

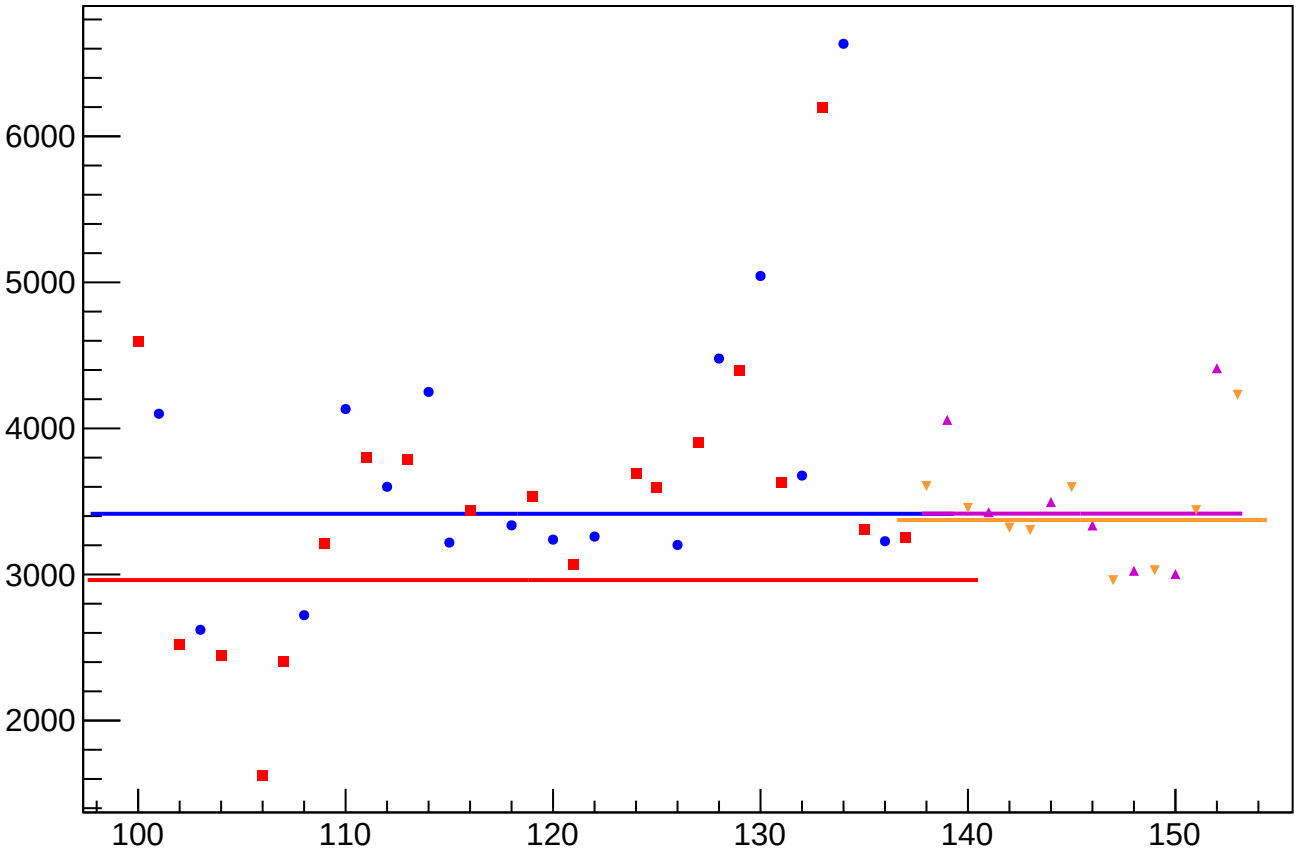
Right: 1162.281+/-0.221 χ^2/NDF: 1126326.4/34

In: 1175.426+/-0.230 χ^2/NDF:689315.8/22

Out: 1165.318+/-0.221 χ^2/NDF:604344.0/27

All: 1170.162+/-0.159 χ^2/NDF: 1294663.8/50


asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
Right In: 1021.029+/-1302.430 χ²/NDF: 13.9/15
Left Out: -1621.767+/-1285.745 χ²/NDF:8.2/8
Right Out: -30.142+/-1130.741 χ²/NDF: 16.1/18
Left In: -807.199+/-1394.540 χ²/NDF:2.5/6
Left: -1247.493+/-945.284 χ²/NDF: 10.8/15
Right: 421.639+/-853.849 χ²/NDF: 30.4/34
In: 169.282+/-951.856 χ²/NDF:17.3/22
Out: -724.279+/-849.096 χ²/NDF:25.2/27
All: -328.318+/-633.629 χ²/NDF: 42.9/50


asym_usr_atr2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
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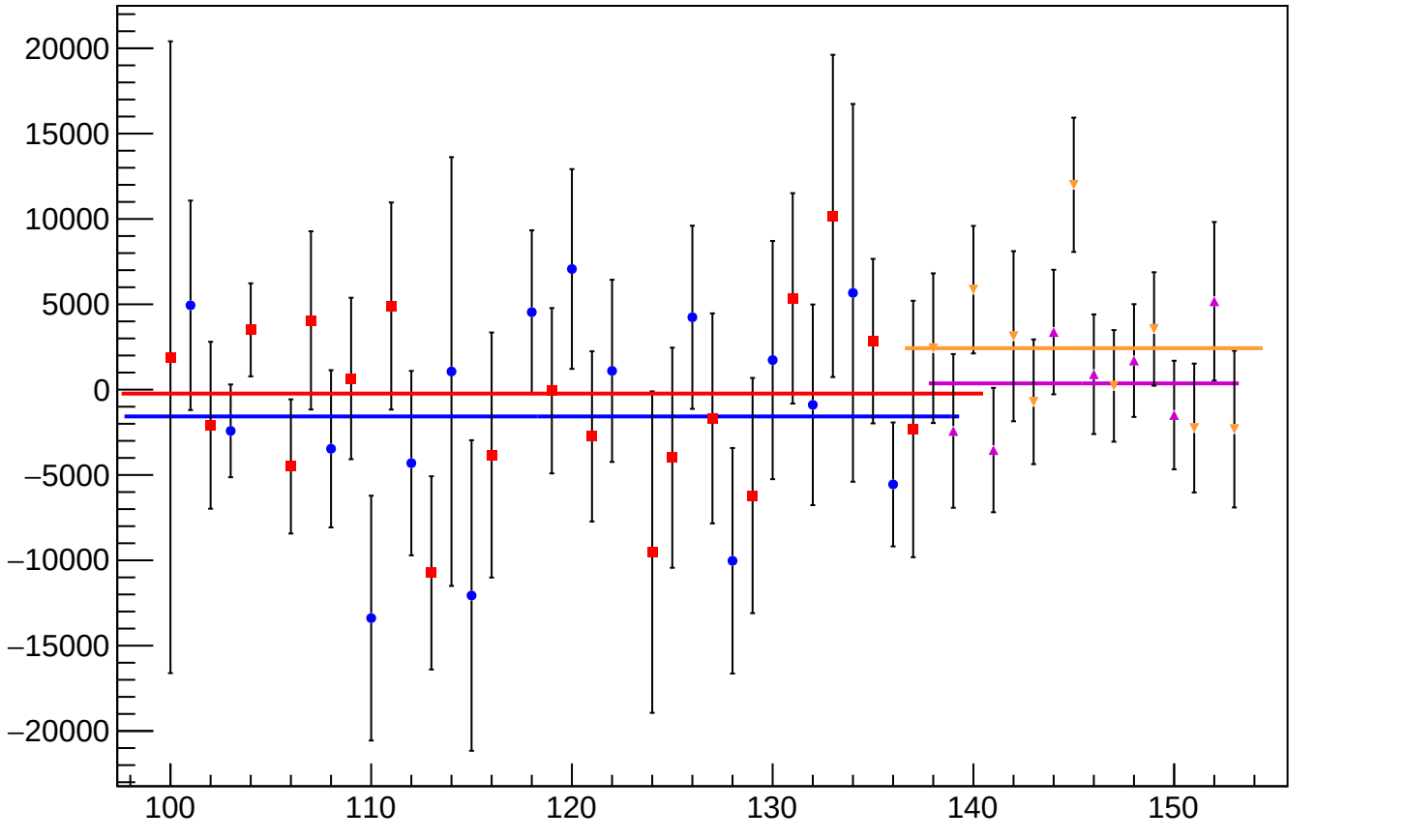
120
130
140
150
Right In: 3415.591+/-0.921 χ²/NDF: 592339.1/15
Left Out: 3372.749+/-0.909 χ²/NDF:135969.5/8
Right Out: 2961.793+/-0.800 χ²/NDF: 1169257.0/18
Left In: 3416.798+/-0.986 χ²/NDF:193864.2/6
Left: 3392.989+/-0.668 χ²/NDF: 330912.3/15
Right: 3156.830+/-0.604 χ²/NDF: 1900042.9/34
In: 3416.154+/-0.673 χ²/NDF:786204.1/22
Out: 3141.019+/-0.600 χ²/NDF:1420438.9/27
All: 3262.938+/-0.448 χ²/NDF: 2299697.0/50



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 2428.625+/-1285.605 χ^2/NDF:10.7/8

Right Out: -231.125+/-1224.318 χ^2/NDF: 13.2/18

Left In: 366.801+/-1389.478 χ^2/NDF:3.8/6

Left: 1477.653+/-943.648 χ^2/NDF: 15.7/15

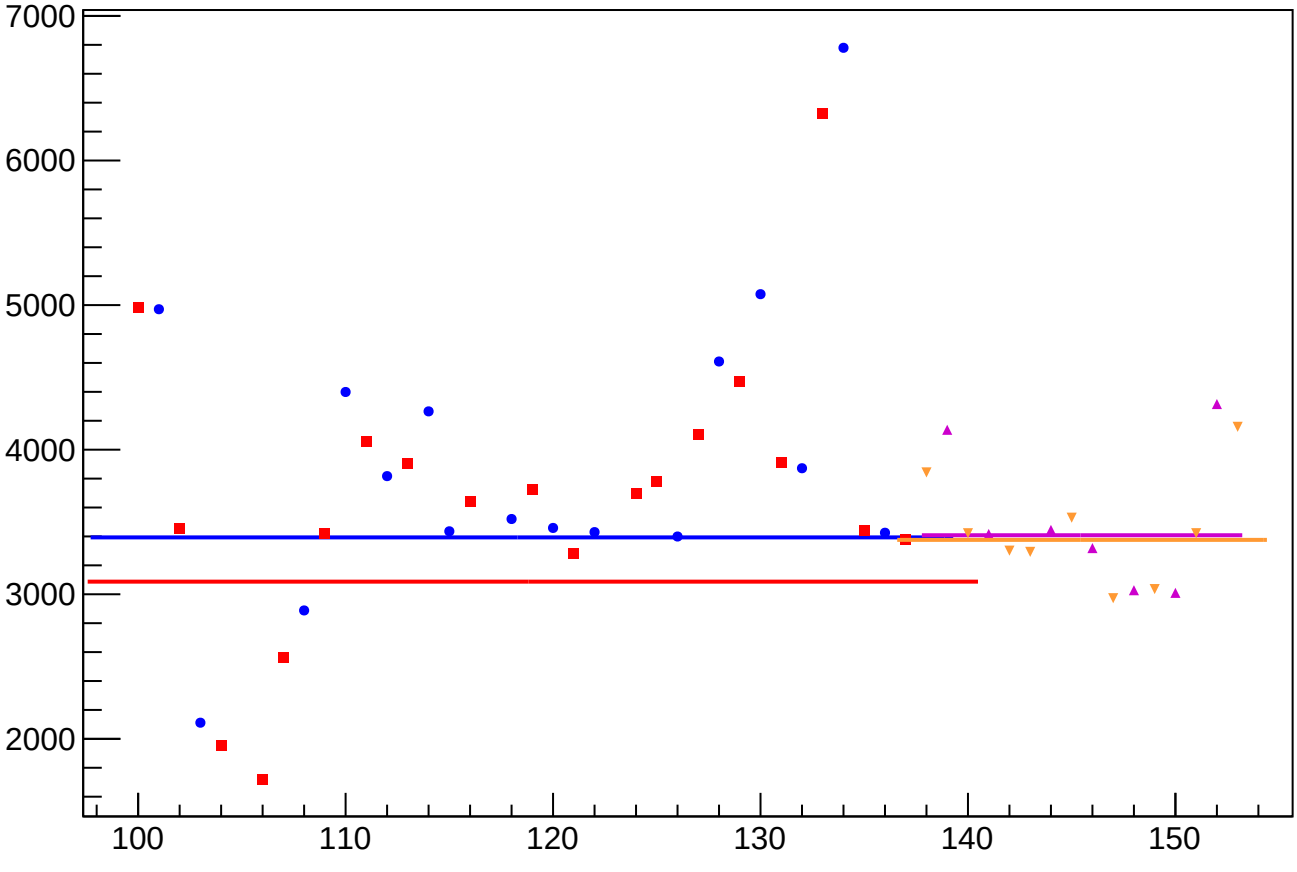
Right: -853.767+/-895.415 χ^2/NDF: 28.2/34

In: -656.311+/-954.299 χ^2/NDF:19.3/22

Out: 1033.843+/-886.598 χ^2/NDF:26.2/27

All: 250.839+/-649.536 χ^2/NDF: 47.2/50

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3376.205+/-0.909 χ^2/NDF:137176.4/8

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

Left In: 3408.247+/-0.983 χ^2/NDF:188126.8/6

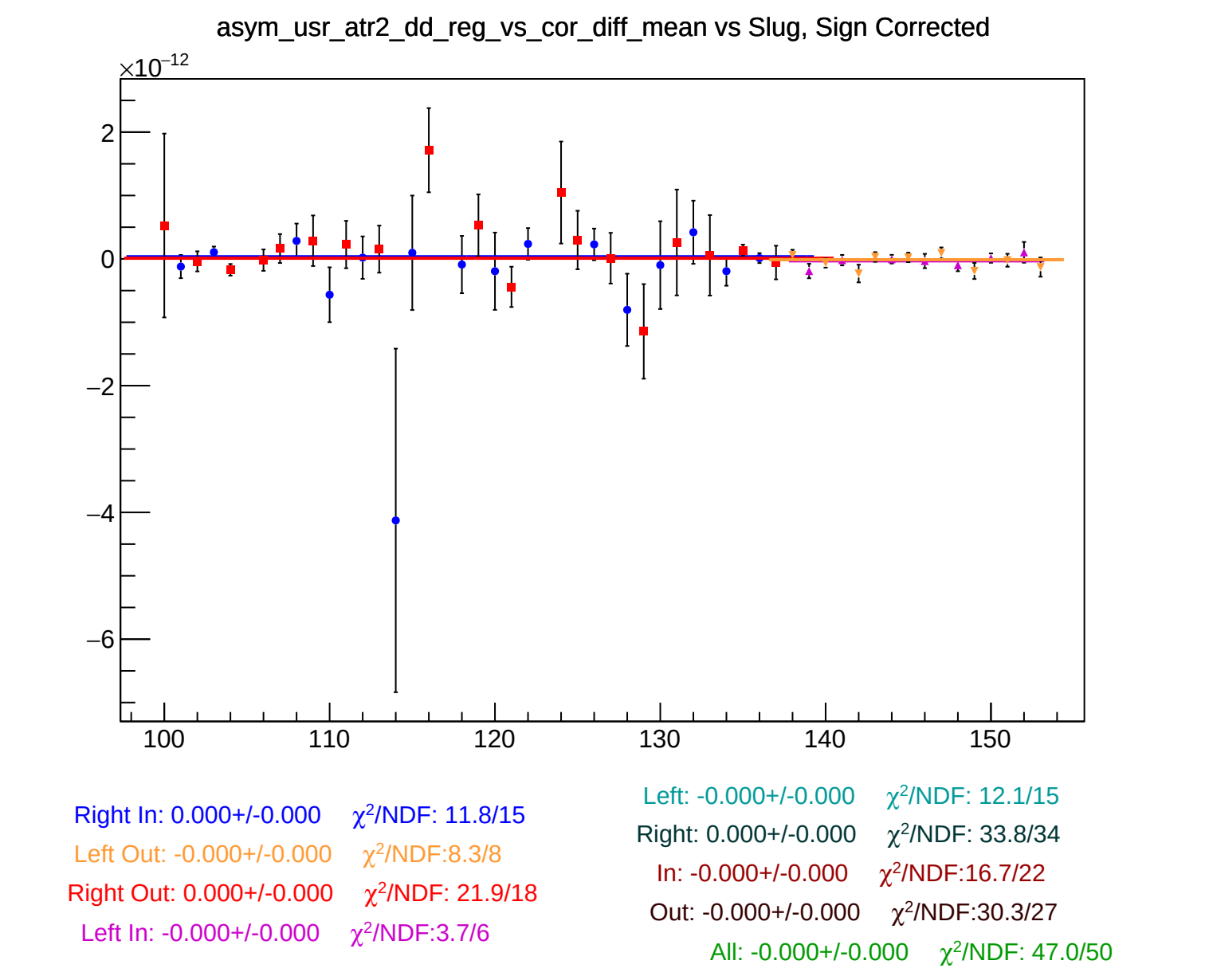
Left: 3390.984+/-0.667 χ^2/NDF: 325876.2/15

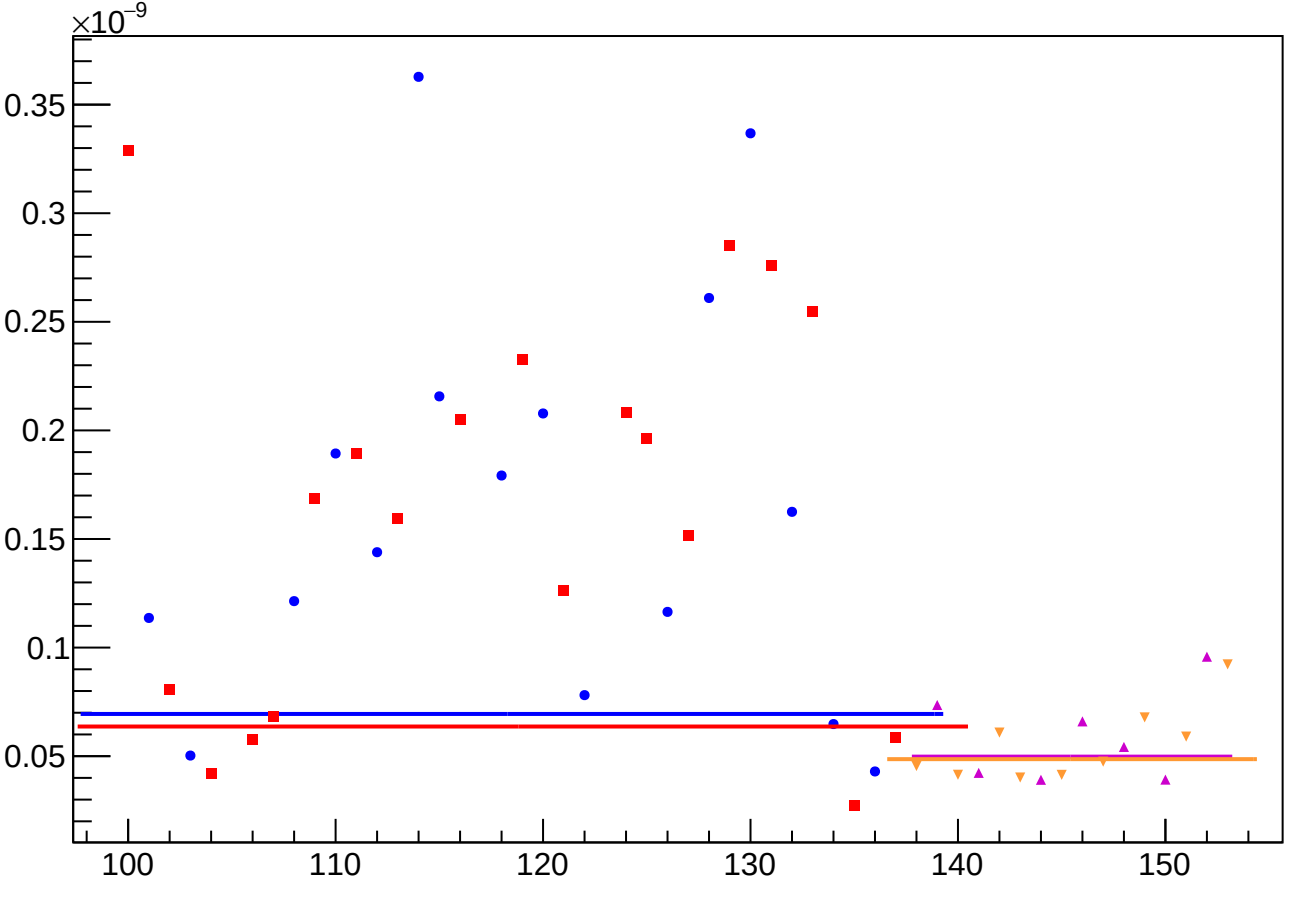
Right: 3227.090+/-0.627 χ^2/NDF: 2436107.0/34

In: 3400.385+/-0.675 χ^2/NDF:1236955.5/22

Out: 3222.274+/-0.621 χ^2/NDF:1519345.3/27

All: 3303.998+/-0.457 χ^2/NDF: 2794003.2/50


asym_usr_atr2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
0
−2
−4
−6
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 11.8/15
Left Out: -0.000+/-0.000 χ²/NDF:8.3/8
Right Out: 0.000+/-0.000 χ²/NDF: 21.9/18
Left In: -0.000+/-0.000 χ²/NDF:3.7/6
Left: -0.000+/-0.000 χ²/NDF: 12.1/15
Right: 0.000+/-0.000 χ²/NDF: 33.8/34
In: -0.000+/-0.000 χ²/NDF:16.7/22
Out: -0.000+/-0.000 χ²/NDF:30.3/27
All: -0.000+/-0.000 χ²/NDF: 47.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:313808.0/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

Left In: 0.000+/-0.000 χ^2/NDF:397183.4/6

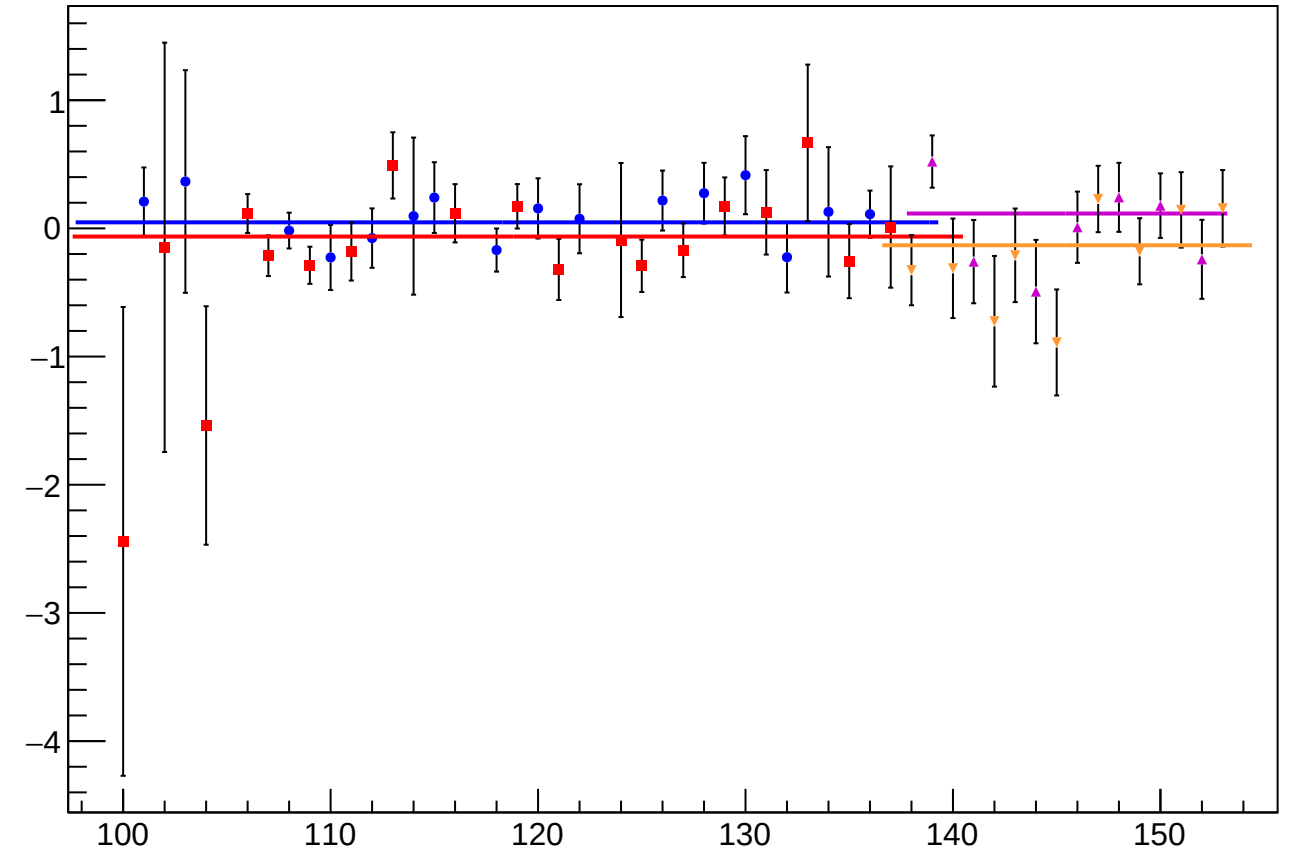
Left: 0.000+/-0.000 χ^2/NDF: 712259.5/15

Right: 0.000+/-0.000 χ^2/NDF: 3993621.5/34

In: 0.000+/-0.000 χ^2/NDF:2342624.8/22

Out: 0.000+/-0.000 χ^2/NDF:2697216.1/27

All: 0.000+/-0.000 χ^2/NDF: 5056444.5/50



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.132+/-0.105 χ^2/NDF:9.3/8

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.116+/-0.104 χ^2/NDF:9.3/6

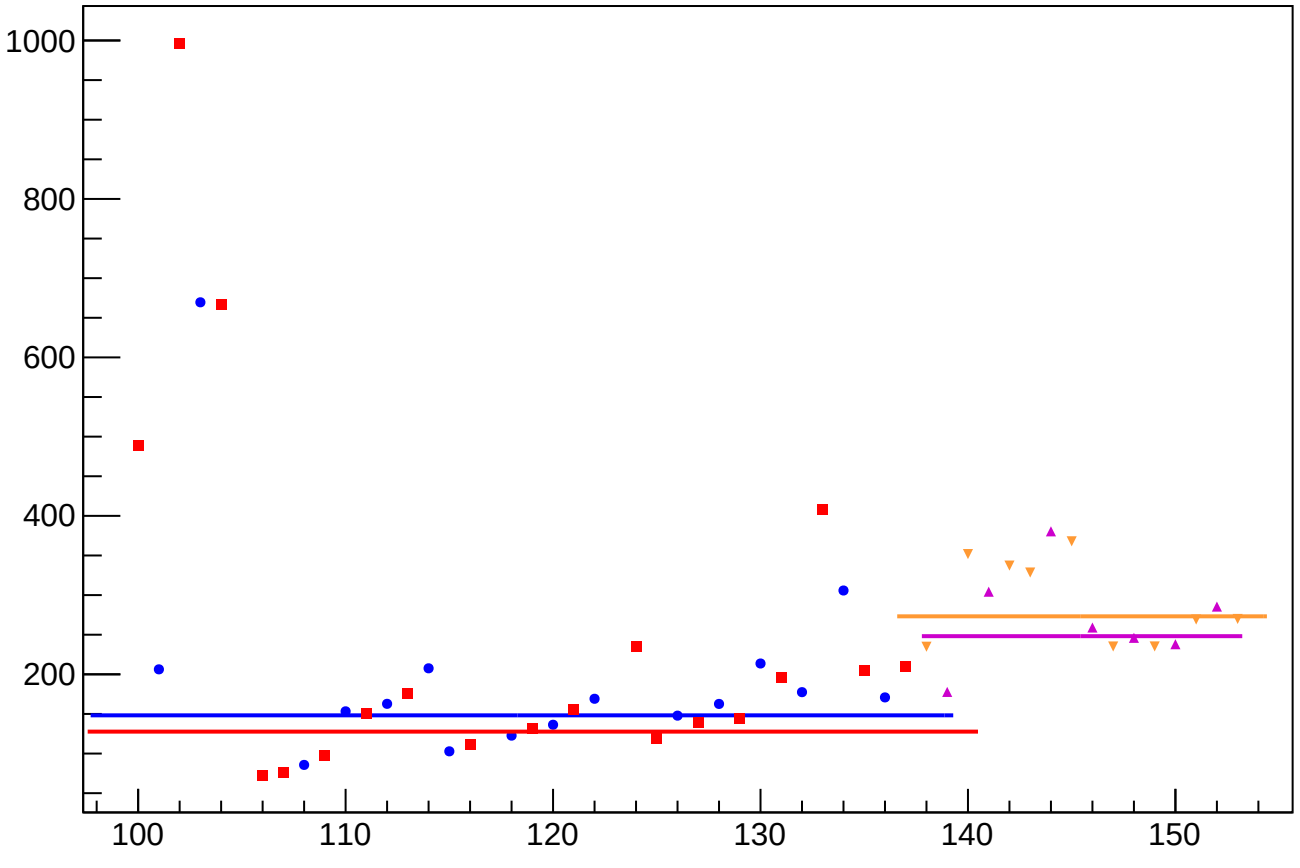
Left: -0.006+/-0.074 χ^2/NDF: 21.4/15

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.064+/-0.052 χ^2/NDF:18.2/22

Out: -0.078+/-0.049 χ^2/NDF:31.8/27

All: -0.012+/-0.035 χ^2/NDF: 54.1/50



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 273.196+/-0.075 χ^2/NDF:390803.3/8

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 248.159+/-0.073 χ^2/NDF:548753.0/6

Left: 260.488+/-0.052 χ^2/NDF: 996784.3/15

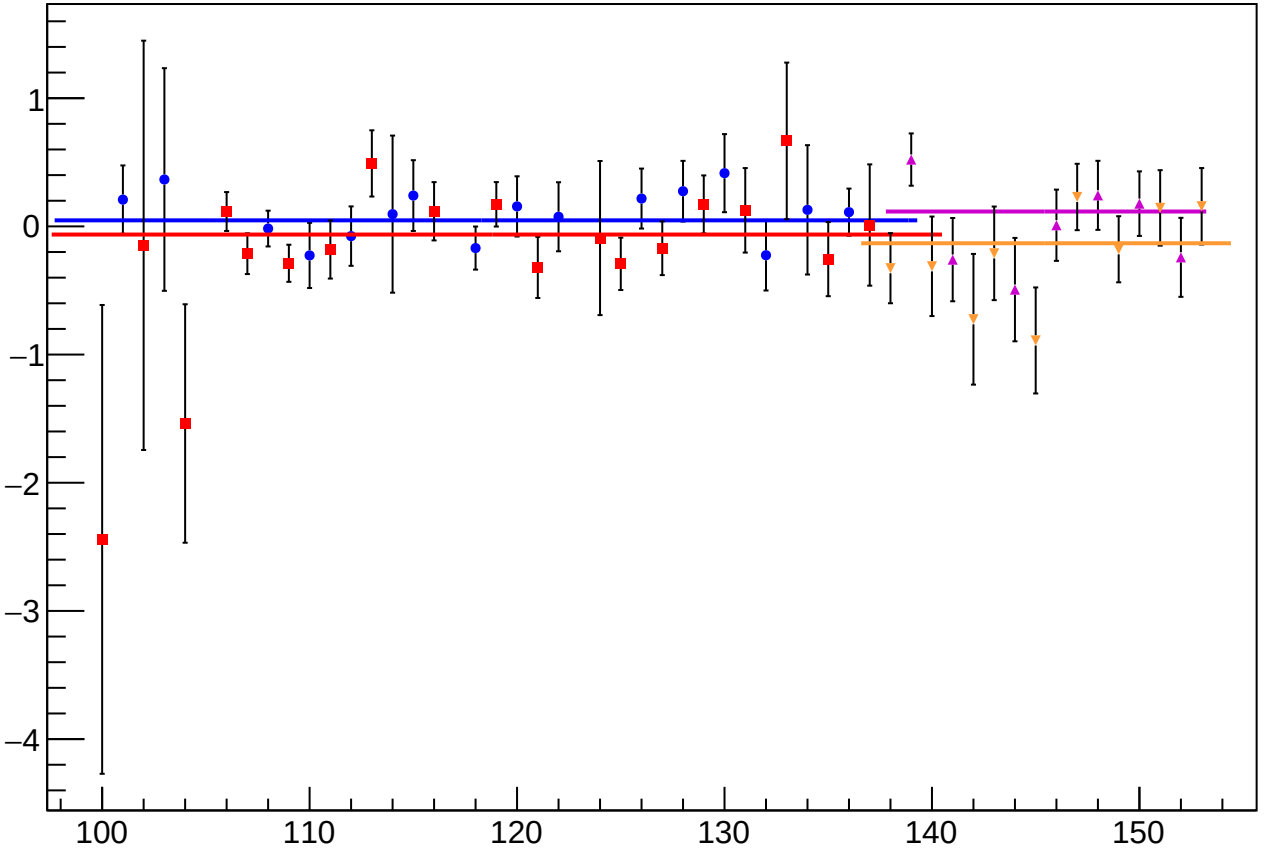
Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 173.259+/-0.037 χ^2/NDF:3646244.0/22

Out: 158.508+/-0.034 χ^2/NDF:6234172.6/27

All: 165.379+/-0.025 χ^2/NDF: 9966476.4/50

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.132+/-0.105 χ^2/NDF:9.3/8

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.116+/-0.104 χ^2/NDF:9.3/6

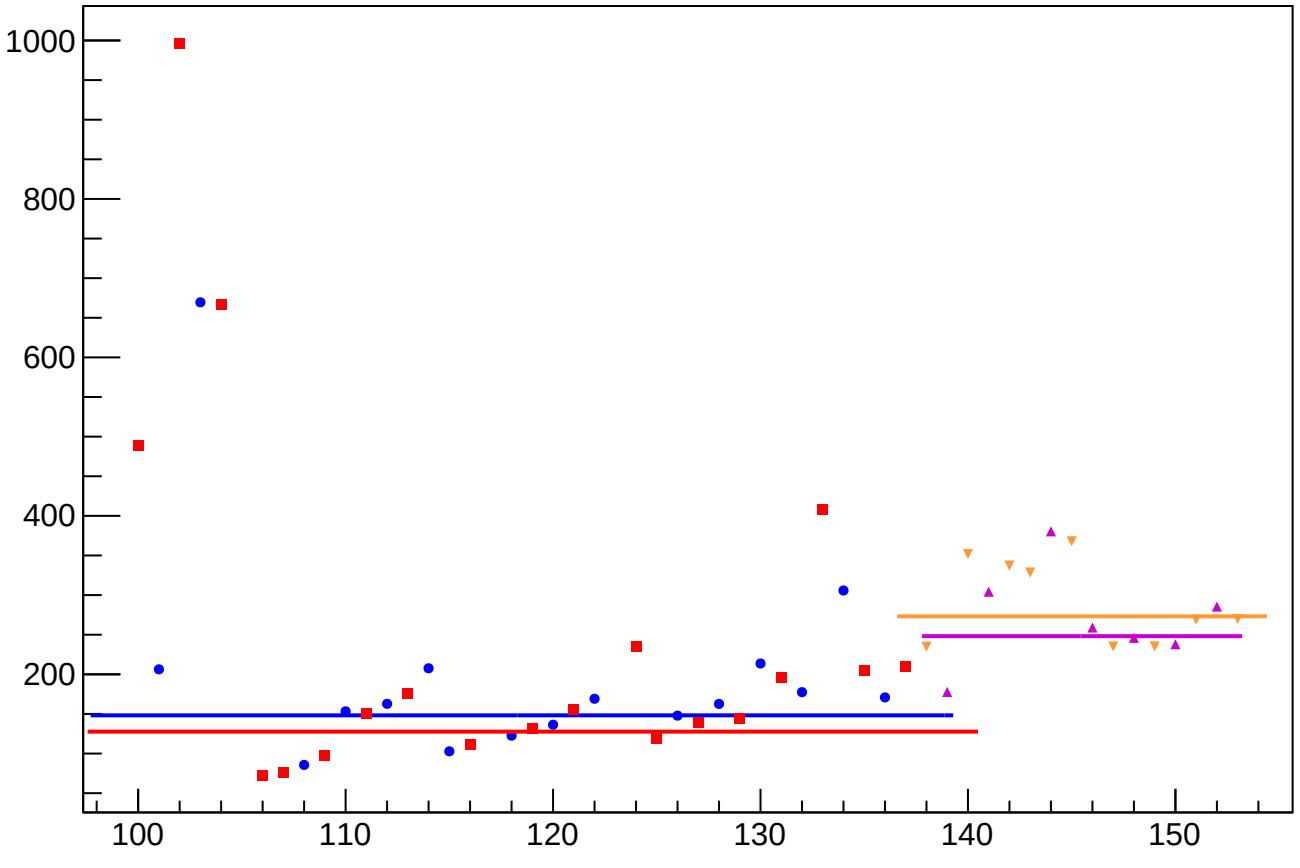
Left: -0.006+/-0.074 χ^2/NDF: 21.4/15

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.064+/-0.052 χ^2/NDF:18.2/22

Out: -0.078+/-0.049 χ^2/NDF:31.8/27

All: -0.012+/-0.035 χ^2/NDF: 54.1/50



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 273.196+/-0.075 χ^2/NDF:390803.3/8

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 248.159+/-0.073 χ^2/NDF:548753.0/6

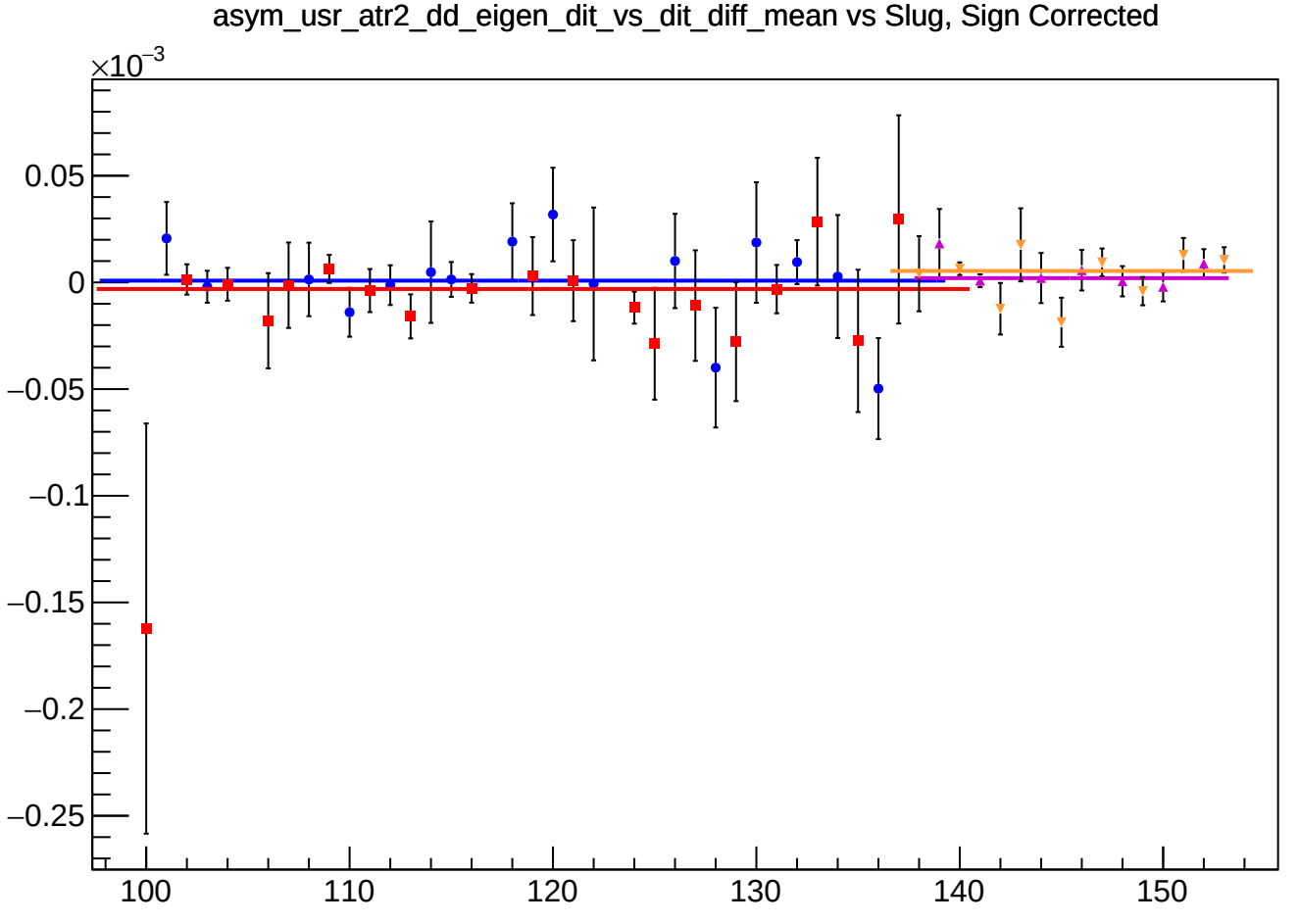
Left: 260.488+/-0.052 χ^2/NDF: 996784.3/15

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 173.259+/-0.037 χ^2/NDF:3646244.0/22

Out: 158.508+/-0.034 χ^2/NDF:6234172.6/27

All: 165.379+/-0.025 χ^2/NDF: 9966476.4/50



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/8

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:2.7/6

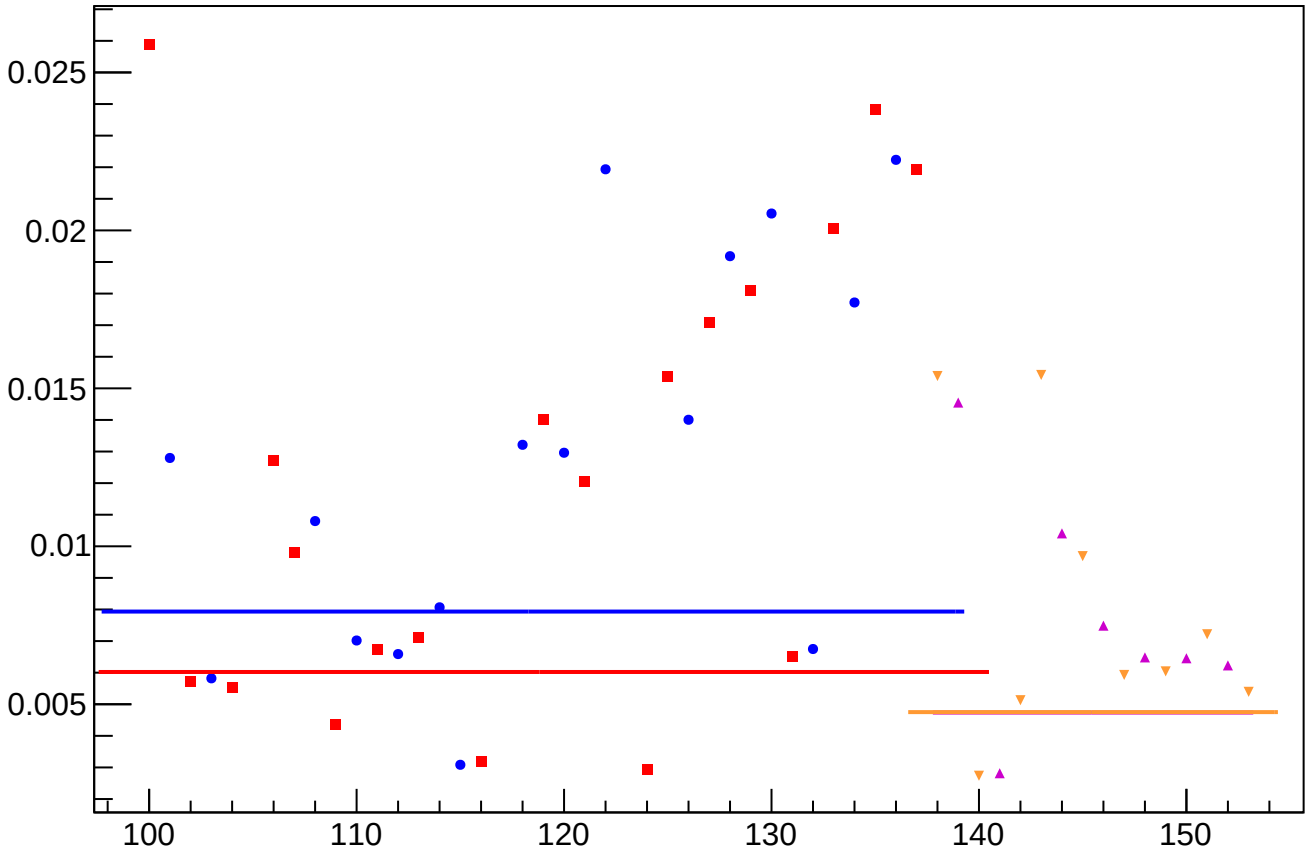
Left: 0.000+/-0.000 χ^2/NDF: 15.2/15

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: 0.000+/-0.000 χ^2/NDF:17.1/22

Out: 0.000+/-0.000 χ^2/NDF:30.2/27

All: 0.000+/-0.000 χ^2/NDF: 47.3/50



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.005+/-0.000 χ^2/NDF:3143616.9/8

Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

Left In: 0.005+/-0.000 χ^2/NDF:2535945.1/6

Left: 0.005+/-0.000 χ^2/NDF: 5679603.1/15

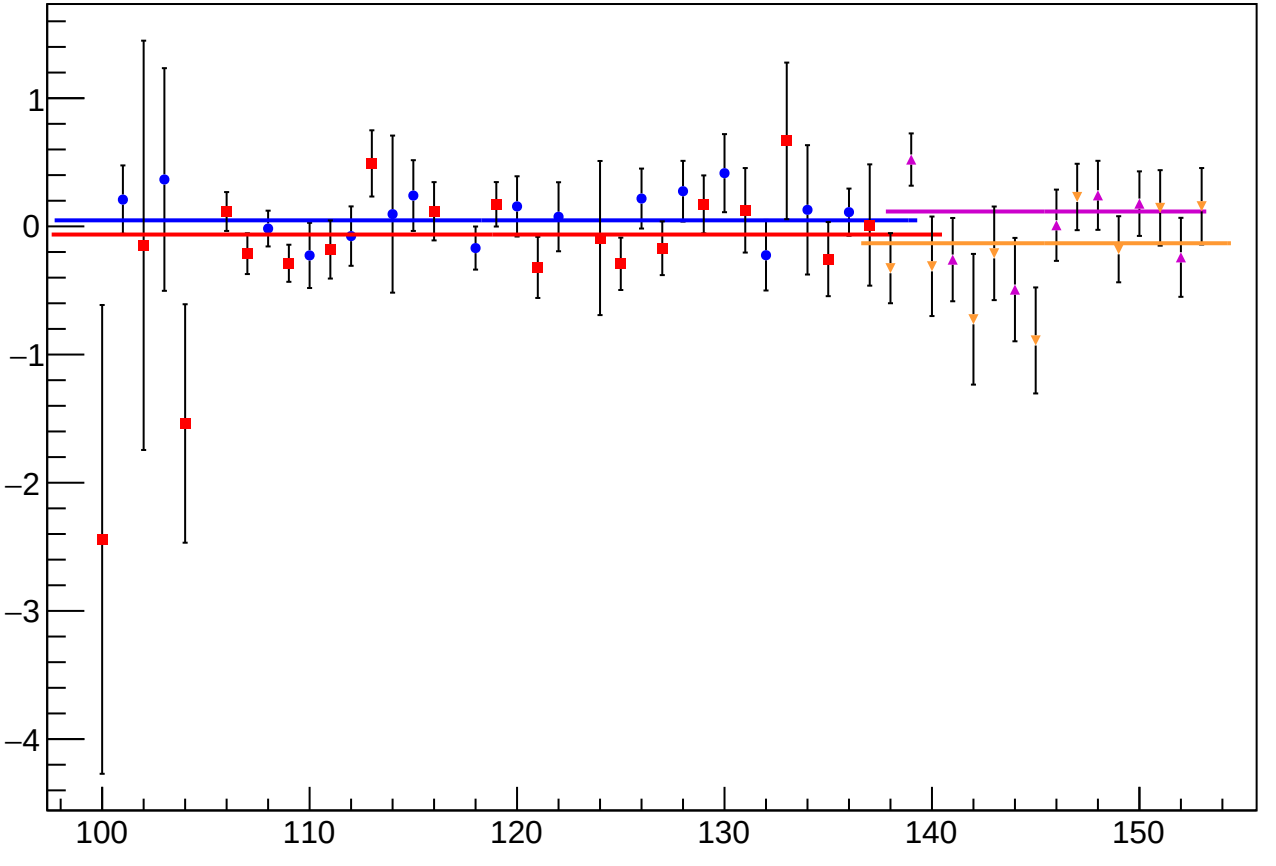
Right: 0.007+/-0.000 χ^2/NDF: 7973863.6/34

In: 0.006+/-0.000 χ^2/NDF:7310688.7/22

Out: 0.005+/-0.000 χ^2/NDF:7436066.4/27

All: 0.005+/-0.000 χ^2/NDF: 14808823.7/50

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.132+/-0.105 χ^2/NDF:9.3/8

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.116+/-0.104 χ^2/NDF:9.3/6

Left: -0.006+/-0.074 χ^2/NDF: 21.4/15

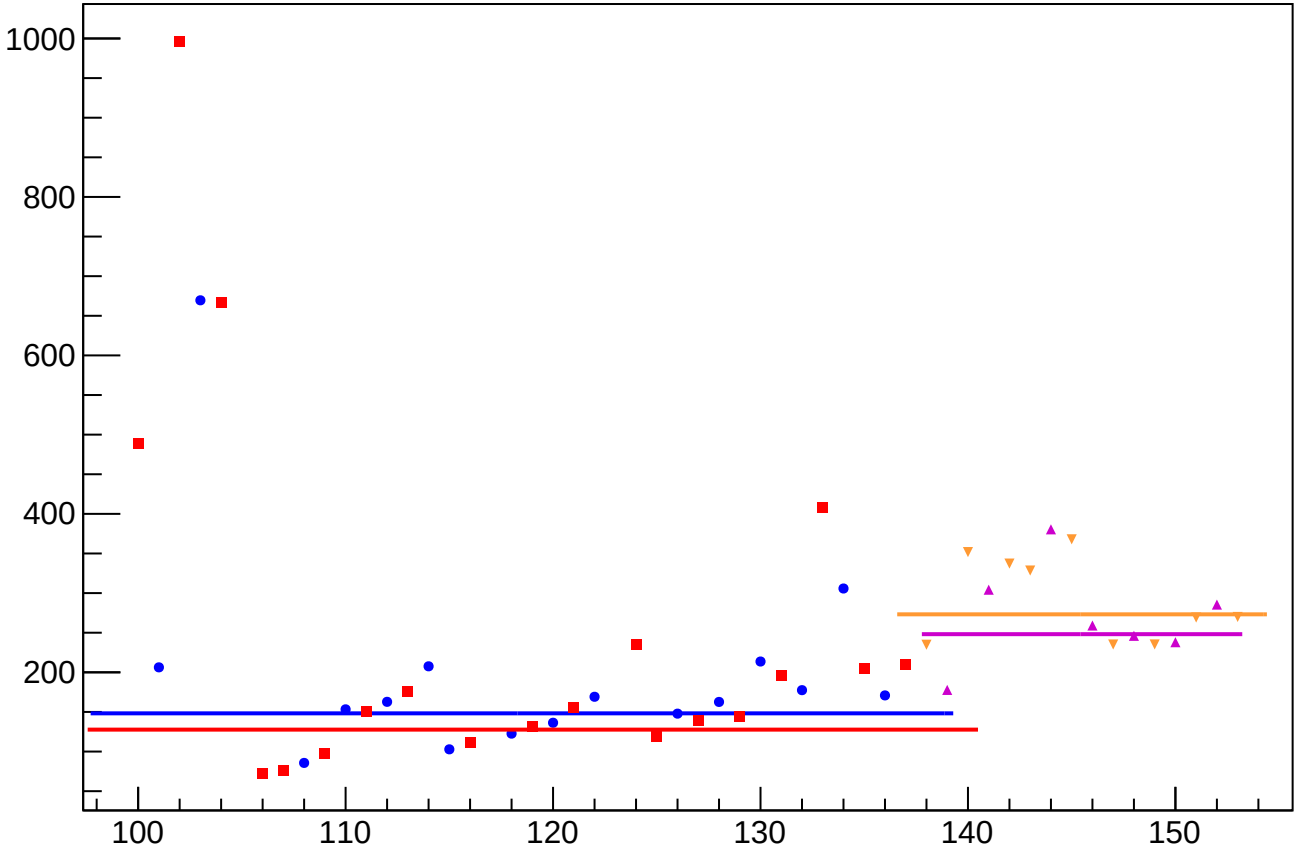
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.064+/-0.052 χ^2/NDF:18.2/22

Out: -0.078+/-0.049 χ^2/NDF:31.8/27

All: -0.012+/-0.035 χ^2/NDF: 54.1/50

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 273.199+/-0.075 χ^2/NDF:390781.5/8

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 248.162+/-0.073 χ^2/NDF:548720.4/6

Left: 260.491+/-0.052 χ^2/NDF: 996728.8/15

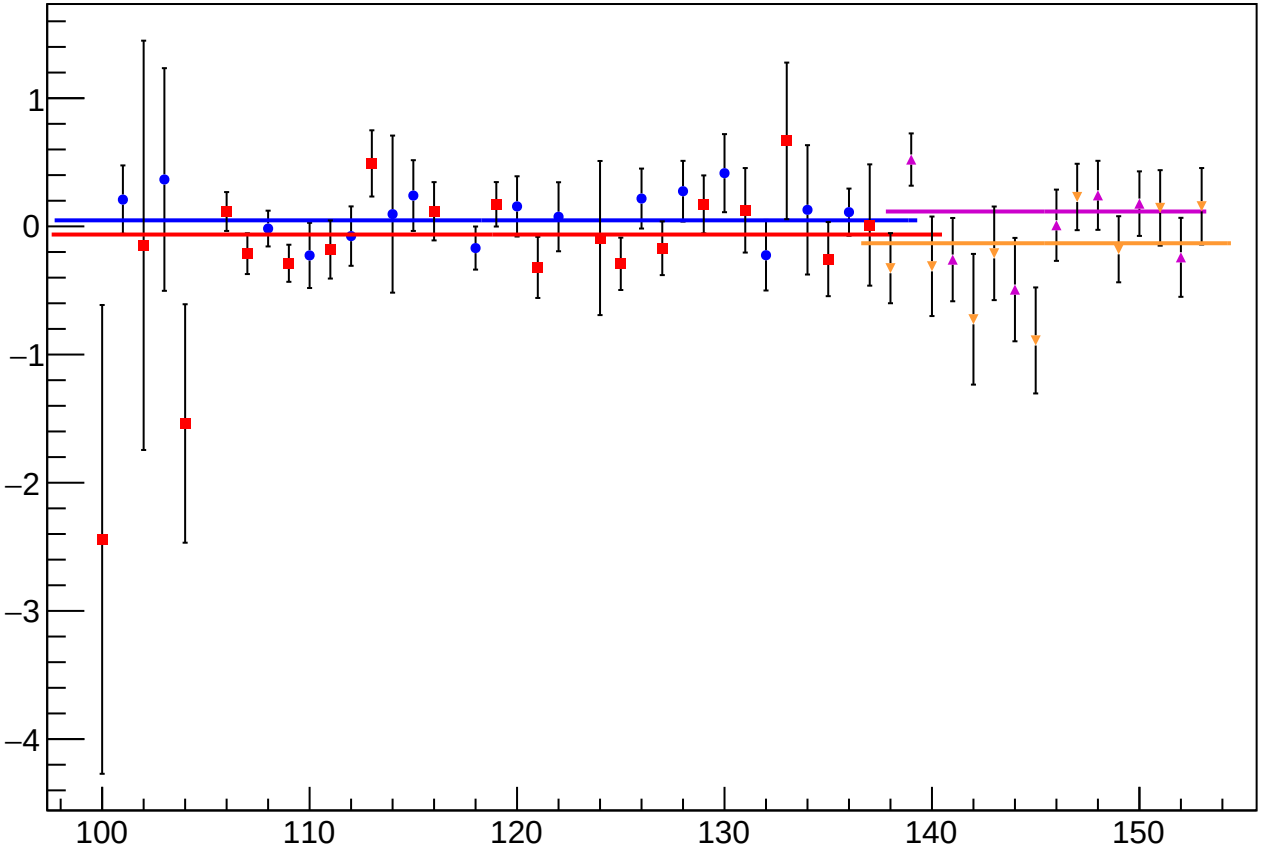
Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 173.257+/-0.037 χ^2/NDF:3646431.6/22

Out: 158.508+/-0.034 χ^2/NDF:6234221.3/27

All: 165.379+/-0.025 χ^2/NDF: 9966687.9/50

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: -0.132+/-0.105 χ^2/NDF:9.3/8

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.116+/-0.104 χ^2/NDF:9.3/6

Left: -0.006+/-0.074 χ^2/NDF: 21.4/15

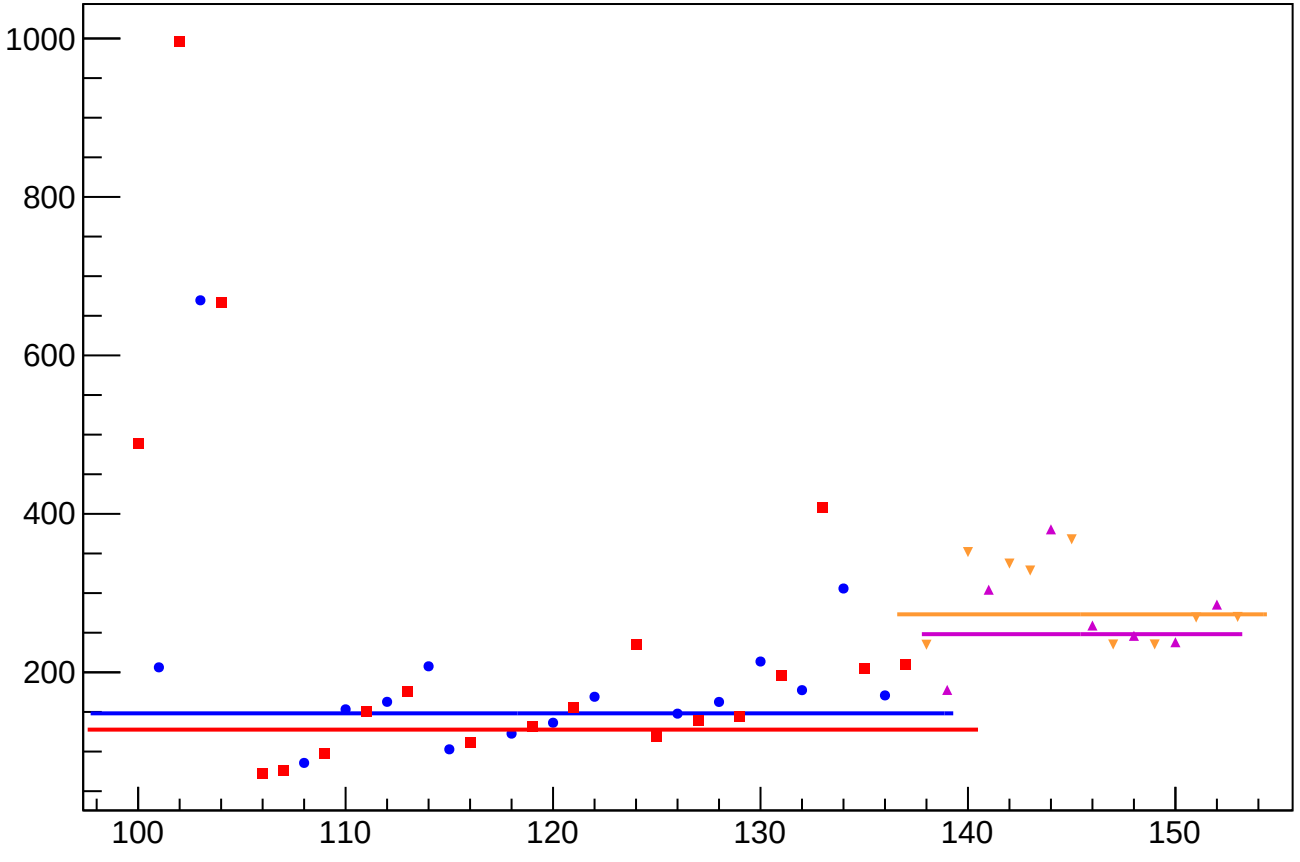
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.064+/-0.052 χ^2/NDF:18.2/22

Out: -0.078+/-0.049 χ^2/NDF:31.8/27

All: -0.012+/-0.035 χ^2/NDF: 54.1/50

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: 273.199+/-0.075 χ^2/NDF:390781.5/8

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 248.162+/-0.073 χ^2/NDF:548720.4/6

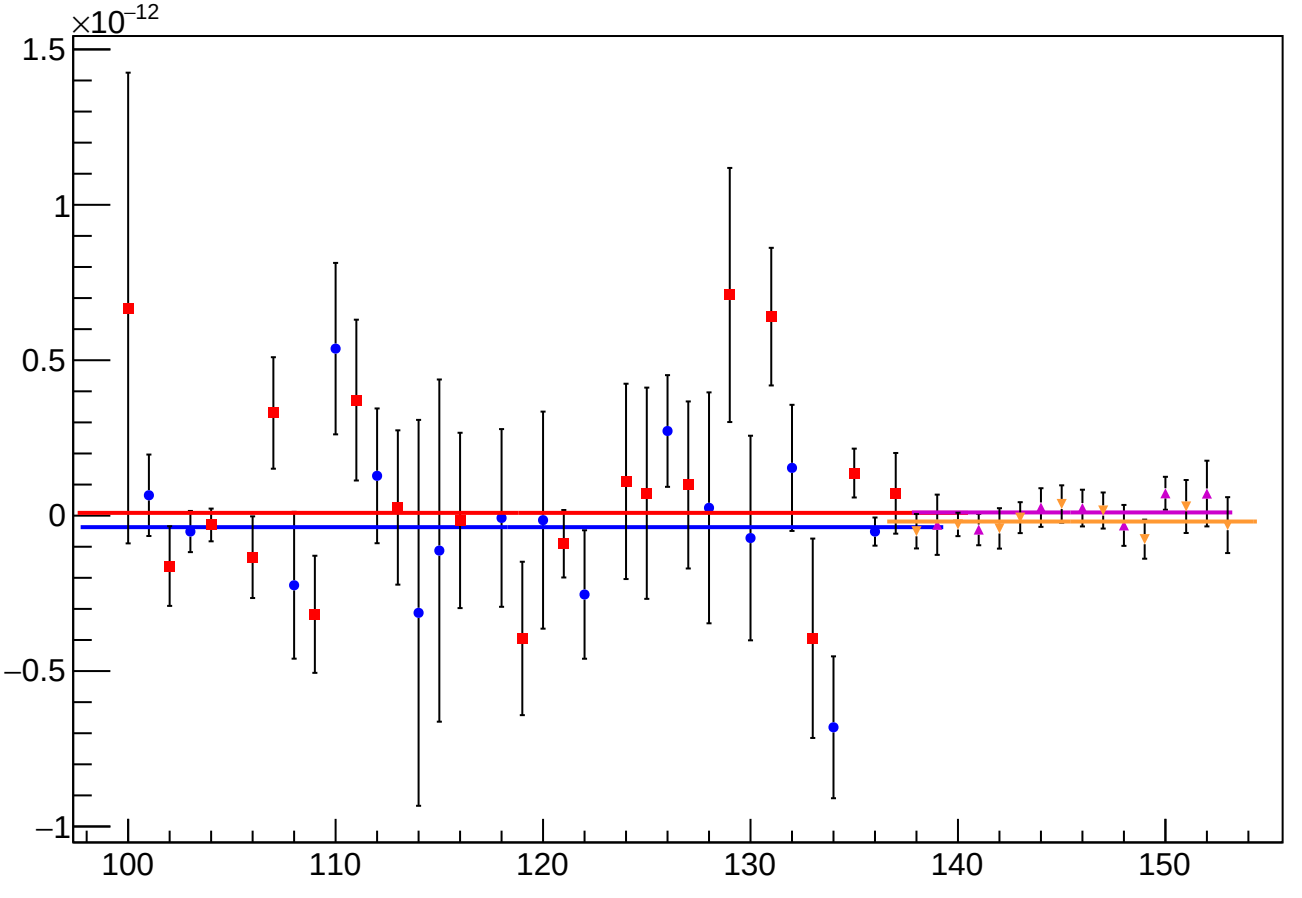
Left: 260.491+/-0.052 χ^2/NDF: 996728.8/15

Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 173.257+/-0.037 χ^2/NDF:3646431.6/22

Out: 158.508+/-0.034 χ^2/NDF:6234221.3/27

All: 165.379+/-0.025 χ^2/NDF: 9966687.9/50



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:3.0/8

Right Out: 0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: 0.000+/-0.000 χ^2/NDF:3.6/6

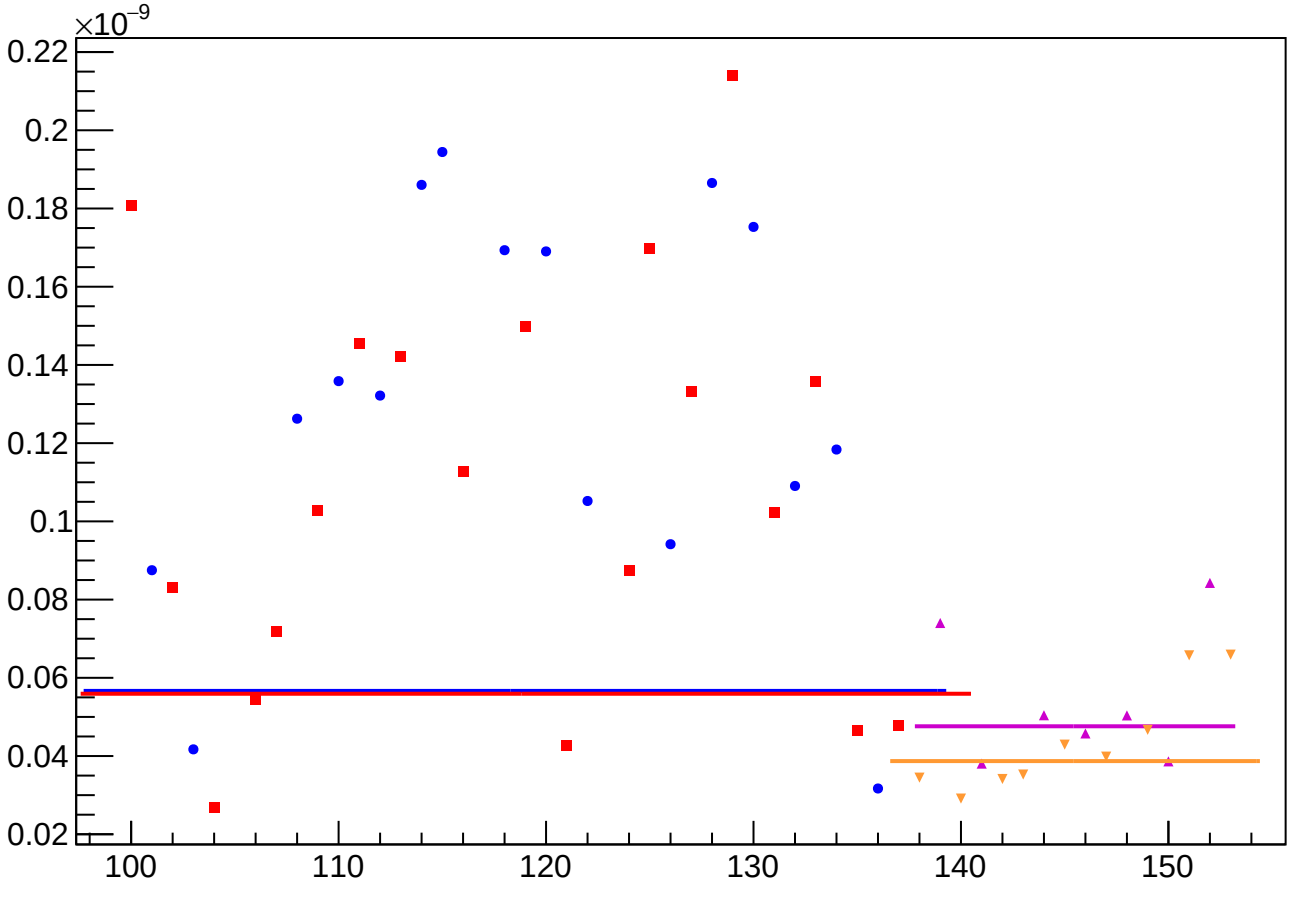
Left: -0.000+/-0.000 χ^2/NDF: 7.4/15

Right: -0.000+/-0.000 χ^2/NDF: 52.3/34

In: -0.000+/-0.000 χ^2/NDF:24.4/22

Out: -0.000+/-0.000 χ^2/NDF:35.3/27

All: -0.000+/-0.000 χ^2/NDF: 59.8/50



Right In: 0.000+/-0.000 χ^2/NDF: 3113213.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:588445.0/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2732977.9/18

Left In: 0.000+/-0.000 χ^2/NDF:527586.6/6

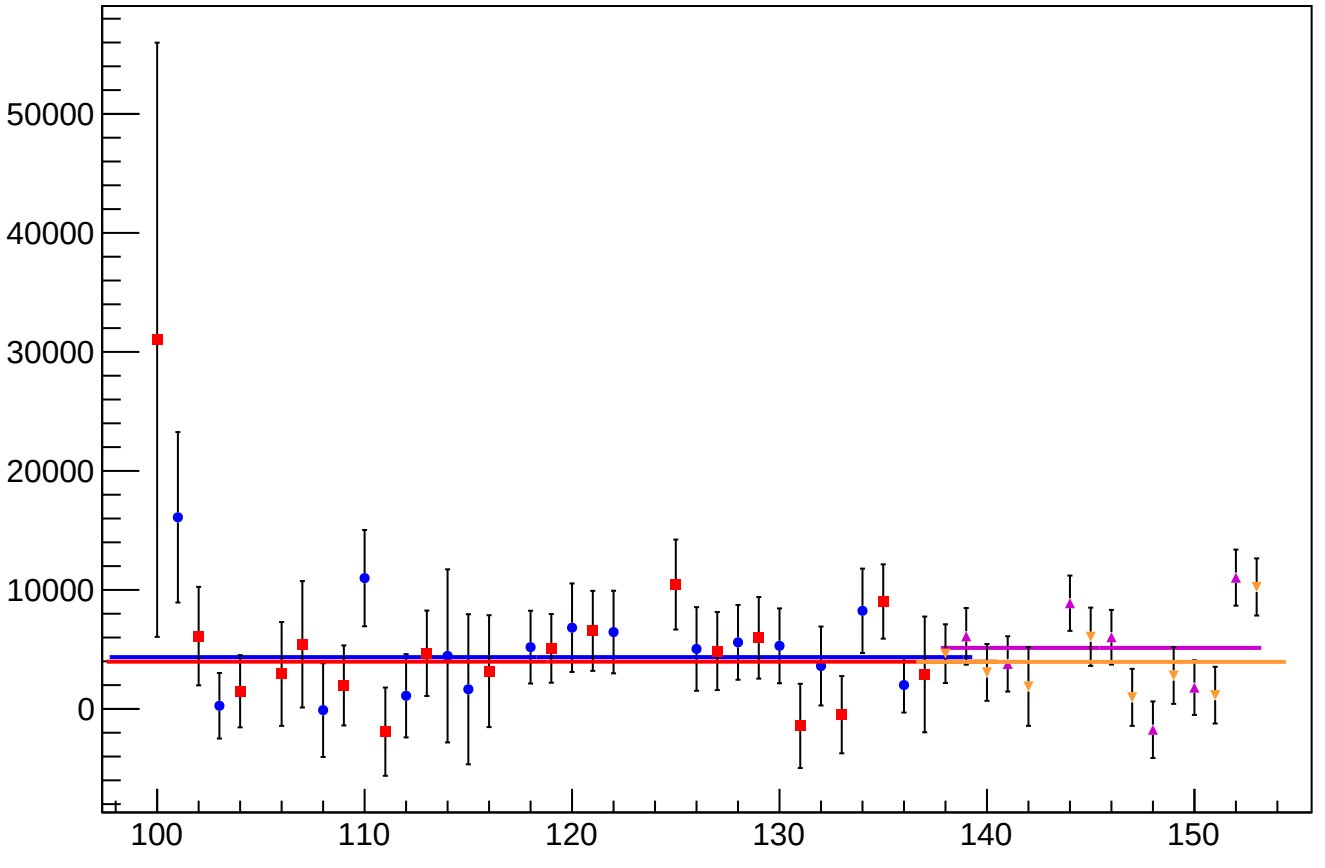
Left: 0.000+/-0.000 χ^2/NDF: 1283996.5/15

Right: 0.000+/-0.000 χ^2/NDF: 5846702.2/34

In: 0.000+/-0.000 χ^2/NDF:3742092.4/22

Out: 0.000+/-0.000 χ^2/NDF:3748985.6/27

All: 0.000+/-0.000 χ^2/NDF: 7674459.9/50



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3952.846+/-877.694 χ^2/NDF:11.4/7

Right Out: 3971.679+/-871.305 χ^2/NDF: 16.2/17

Left In: 5129.701+/-882.430 χ^2/NDF:20.0/6

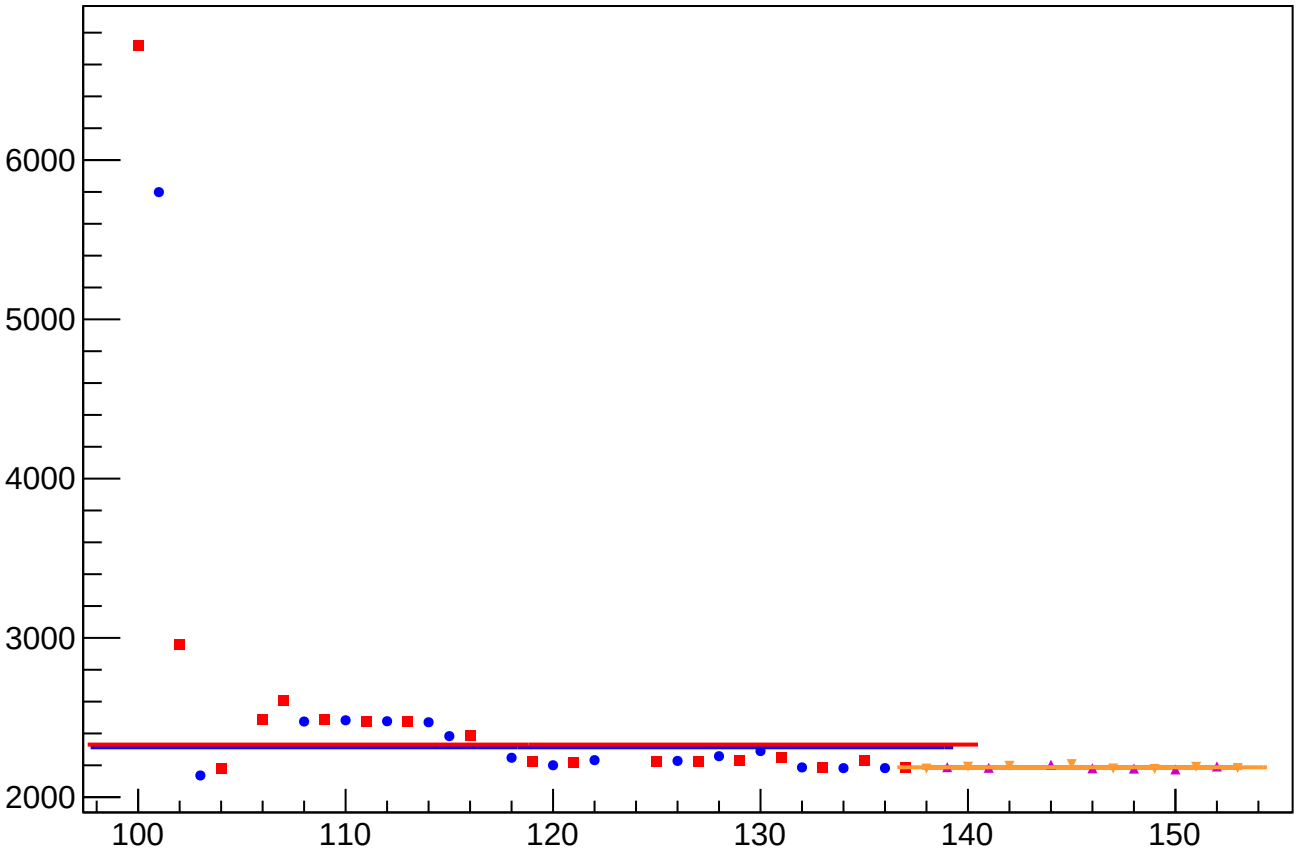
Left: 4538.107+/-622.291 χ^2/NDF: 32.3/14

Right: 4162.171+/-617.462 χ^2/NDF: 29.6/33

In: 4738.816+/-621.384 χ^2/NDF:33.8/22

Out: 3962.331+/-618.352 χ^2/NDF:27.5/25

All: 4348.674+/-438.309 χ^2/NDF: 62.1/48



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2187.469+/-0.621 χ^2/NDF:241.5/7

Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2186.400+/-0.624 χ^2/NDF:210.9/6

Left: 2186.937+/-0.440 χ^2/NDF: 453.8/14

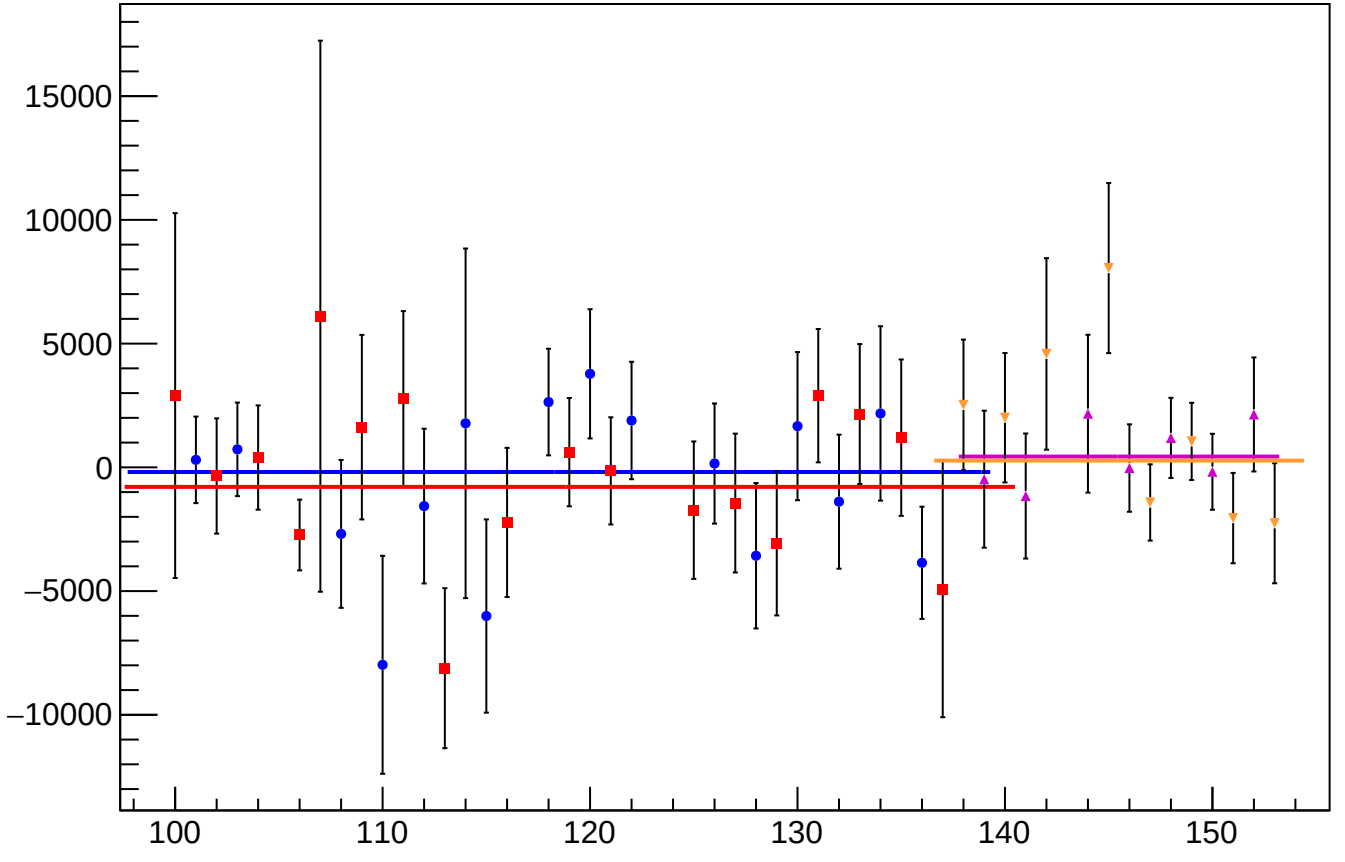
Right: 2321.844+/-0.437 χ^2/NDF: 663951.9/33

In: 2250.432+/-0.439 χ^2/NDF:533471.7/22

Out: 2259.356+/-0.437 χ^2/NDF:178090.9/25

All: 2254.916+/-0.310 χ^2/NDF: 711769.8/48

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: 273.205+/-757.425 χ^2/NDF:11.7/7

Right Out: -789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: 435.501+/-766.988 χ^2/NDF:1.8/6

Left: 353.335+/-538.929 χ^2/NDF: 13.5/14

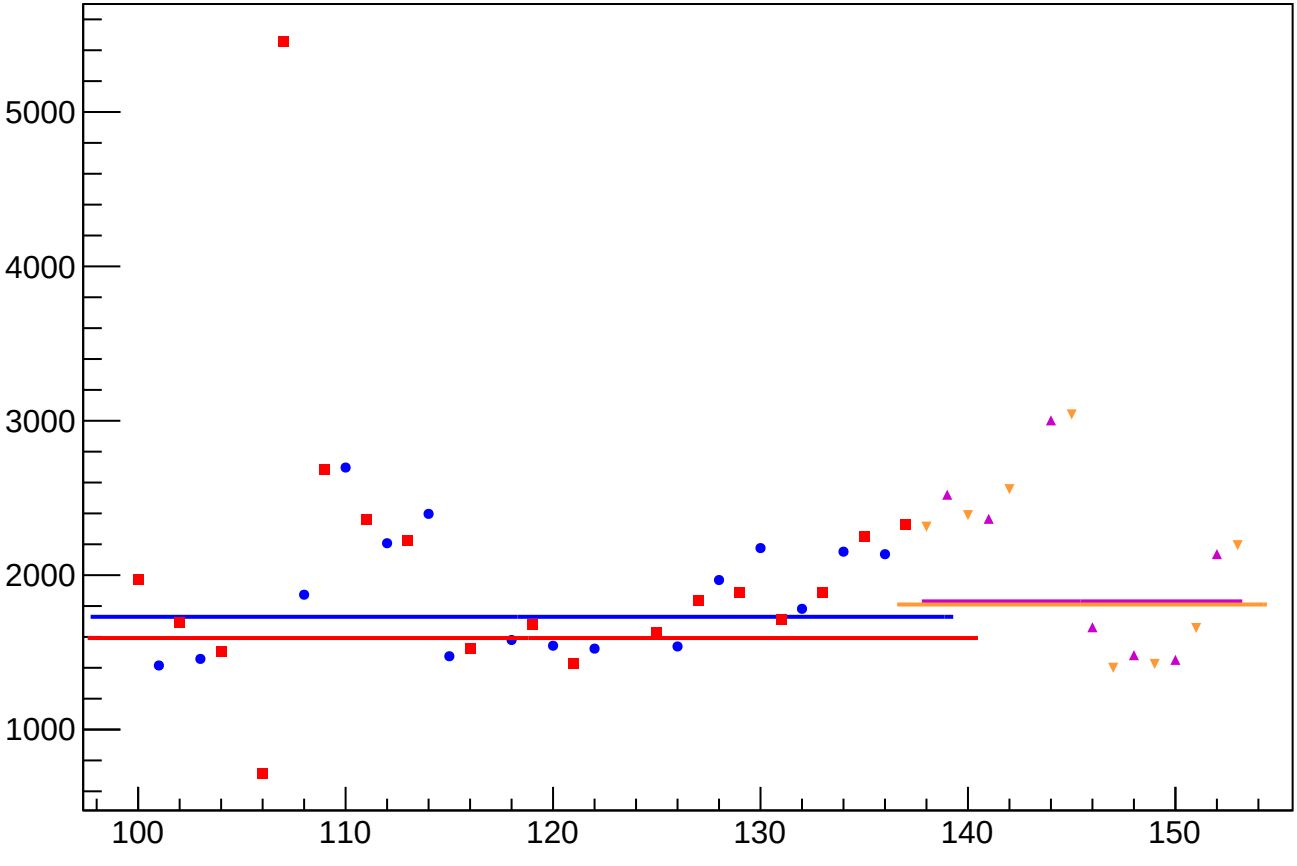
Right: -499.869+/-457.002 χ^2/NDF: 31.8/33

In: 76.115+/-499.550 χ^2/NDF:18.6/22

Out: -350.840+/-486.569 χ^2/NDF:27.8/25

All: -142.982+/-348.555 χ^2/NDF: 46.7/48

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: 1809.926+/-0.536 χ^2/NDF:829221.2/7

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

Left In: 1830.168+/-0.542 χ^2/NDF:752201.6/6

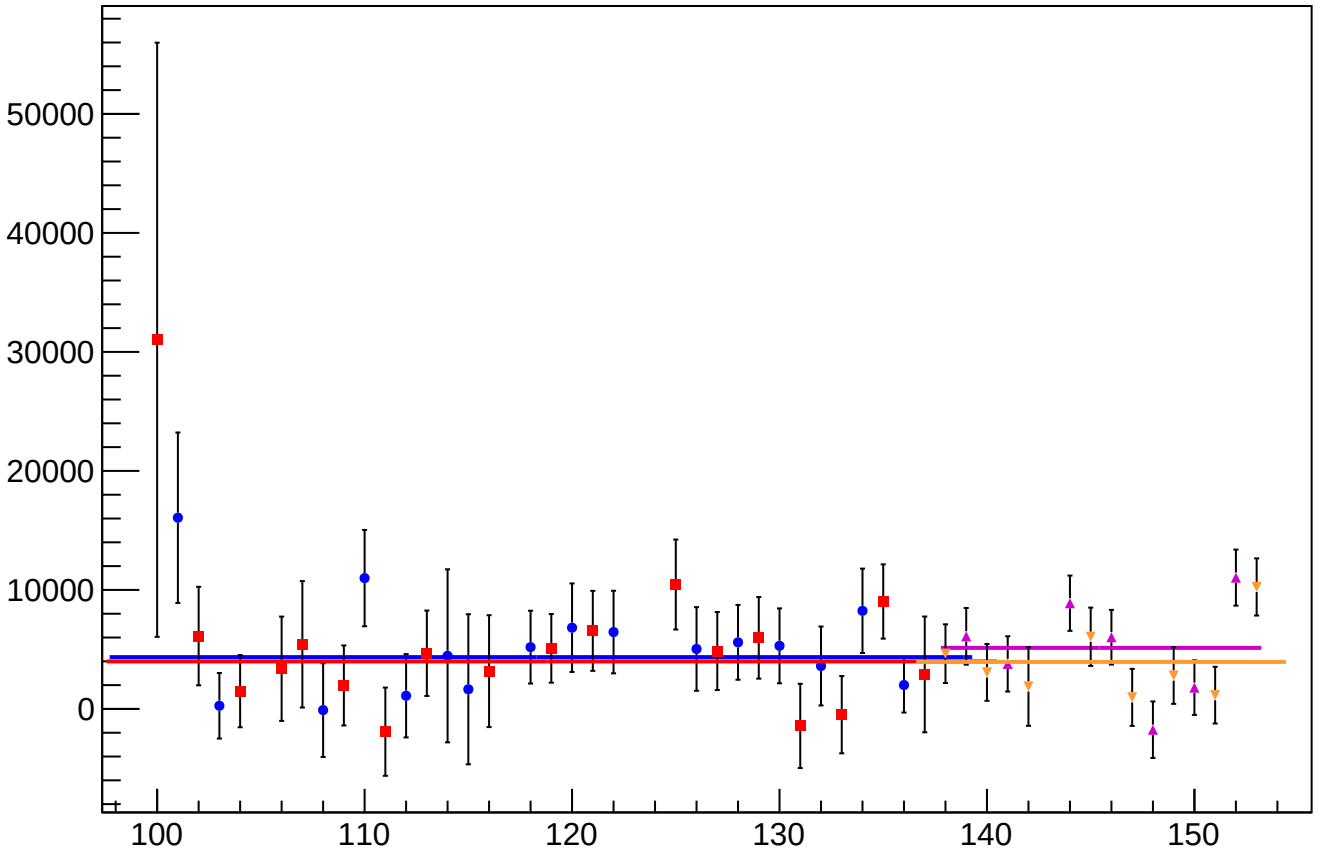
Left: 1819.920+/-0.381 χ^2/NDF: 1582128.1/14

Right: 1659.066+/-0.323 χ^2/NDF: 2080315.9/33

In: 1772.658+/-0.353 χ^2/NDF:1250662.4/22

Out: 1682.417+/-0.344 χ^2/NDF:2481931.9/25

All: 1726.349+/-0.246 χ^2/NDF: 3766085.8/48



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3952.624+/-877.694 χ^2/NDF:11.4/7

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 5130.028+/-882.431 χ^2/NDF:20.0/6

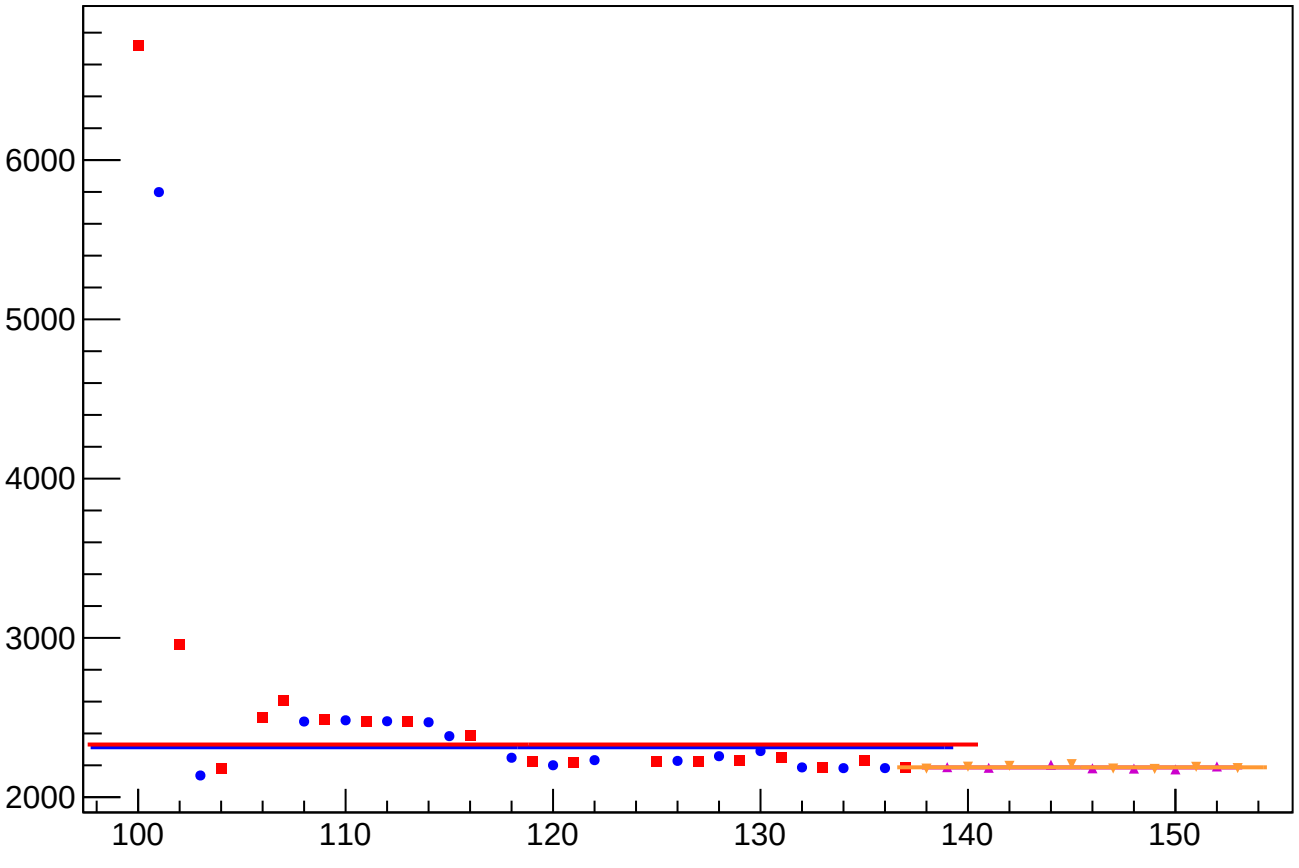
Left: 4538.158+/-622.291 χ^2/NDF: 32.3/14

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4738.635+/-621.384 χ^2/NDF:33.8/22

Out: 3971.387+/-618.406 χ^2/NDF:27.5/25

All: 4353.168+/-438.328 χ^2/NDF: 62.0/48



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2187.469+/-0.621 χ^2/NDF:241.5/7

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2186.400+/-0.624 χ^2/NDF:210.9/6

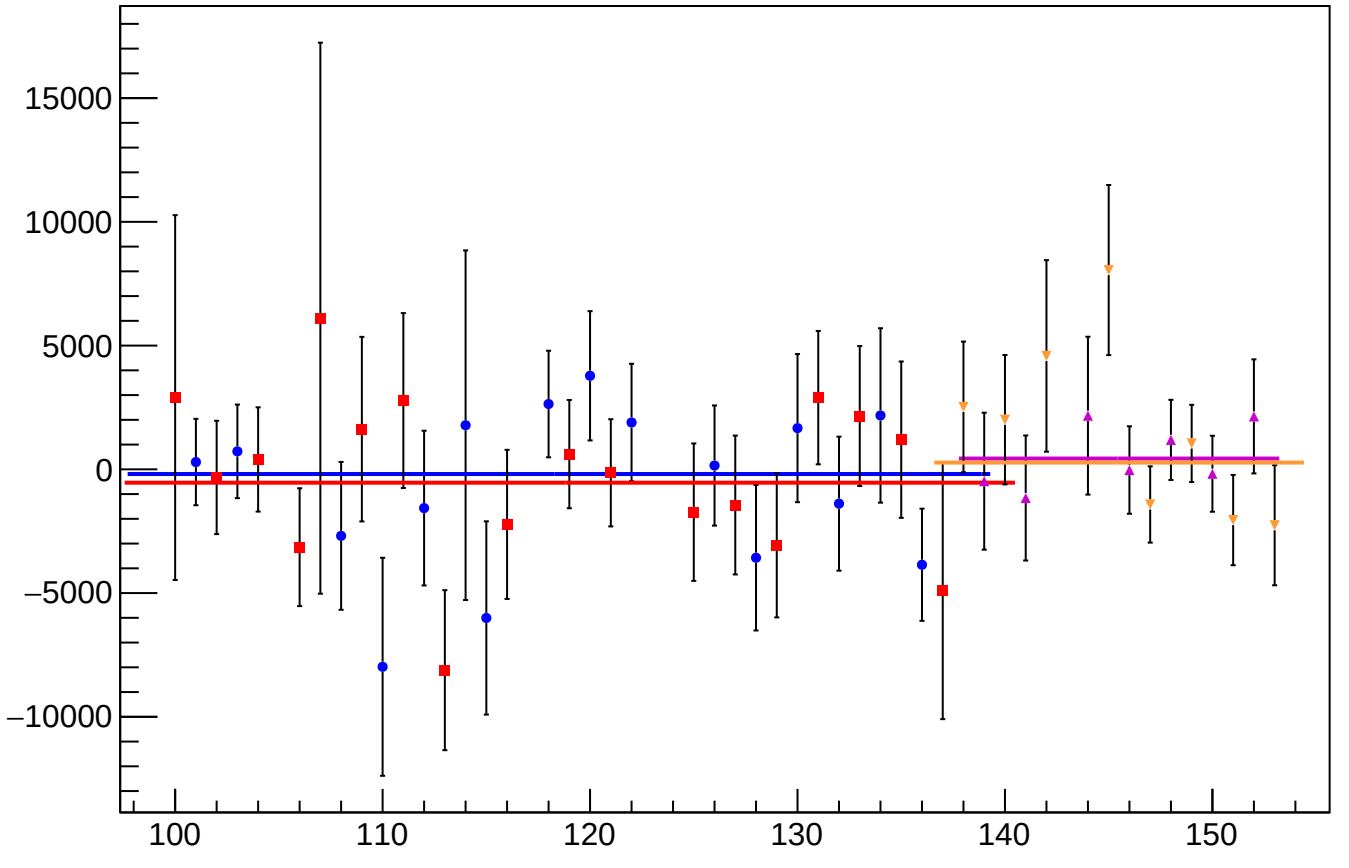
Left: 2186.937+/-0.440 χ^2/NDF: 453.8/14

Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

In: 2250.432+/-0.439 χ^2/NDF:533472.1/22

Out: 2259.530+/-0.437 χ^2/NDF:178570.4/25

All: 2255.003+/-0.310 χ^2/NDF: 712257.9/48



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: 272.822+/-757.423 χ^2/NDF:11.7/7

Right Out: -539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: 435.623+/-766.990 χ^2/NDF:1.8/6

Left: 353.201+/-538.929 χ^2/NDF: 13.5/14

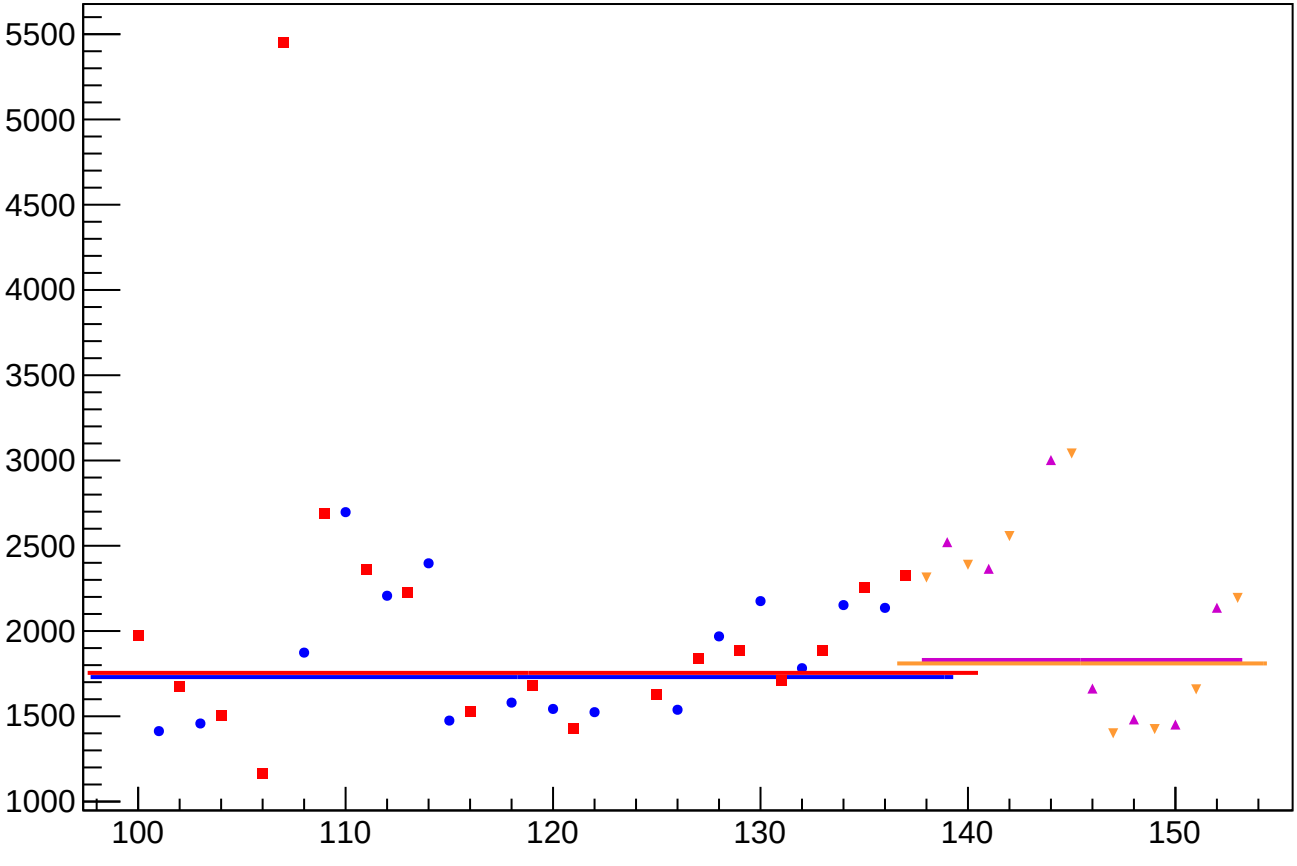
Right: -359.404+/-472.337 χ^2/NDF: 30.5/33

In: 75.471+/-499.494 χ^2/NDF:18.6/22

Out: -178.030+/-505.261 χ^2/NDF:26.2/25

All: -49.824+/-355.217 χ^2/NDF: 45.0/48

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: 1809.919+/-0.536 χ^2/NDF:829224.4/7

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1830.172+/-0.542 χ^2/NDF:752206.9/6

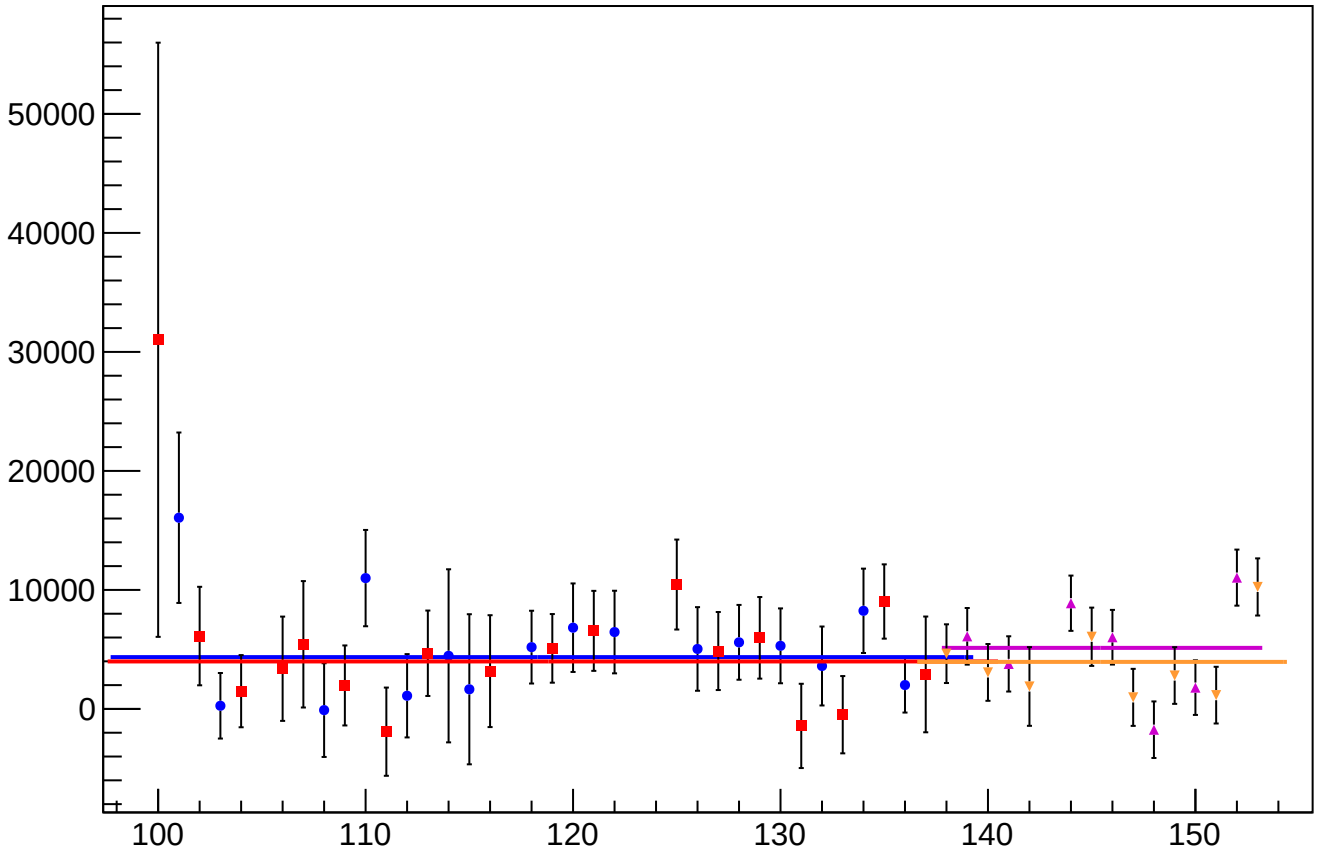
Left: 1819.919+/-0.381 χ^2/NDF: 1582137.3/14

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1772.426+/-0.353 χ^2/NDF:1251791.4/22

Out: 1779.176+/-0.357 χ^2/NDF:1586171.2/25

All: 1775.762+/-0.251 χ^2/NDF: 2838143.2/48



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3952.624+/-877.694 χ^2/NDF:11.4/7

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 5130.028+/-882.431 χ^2/NDF:20.0/6

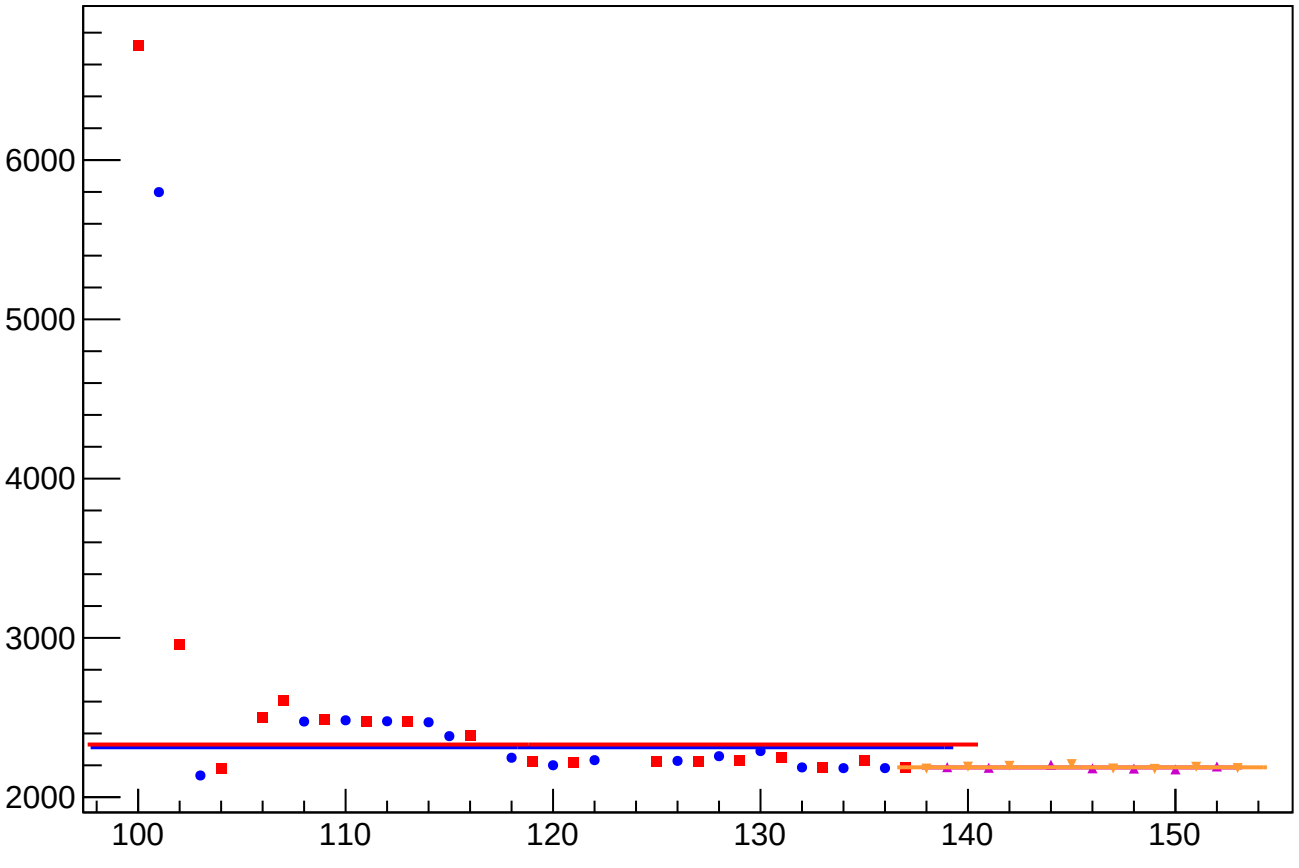
Left: 4538.158+/-622.291 χ^2/NDF: 32.3/14

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4738.635+/-621.384 χ^2/NDF:33.8/22

Out: 3971.387+/-618.406 χ^2/NDF:27.5/25

All: 4353.168+/-438.328 χ^2/NDF: 62.0/48



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2187.469+/-0.621 χ^2/NDF:241.5/7

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2186.400+/-0.624 χ^2/NDF:210.9/6

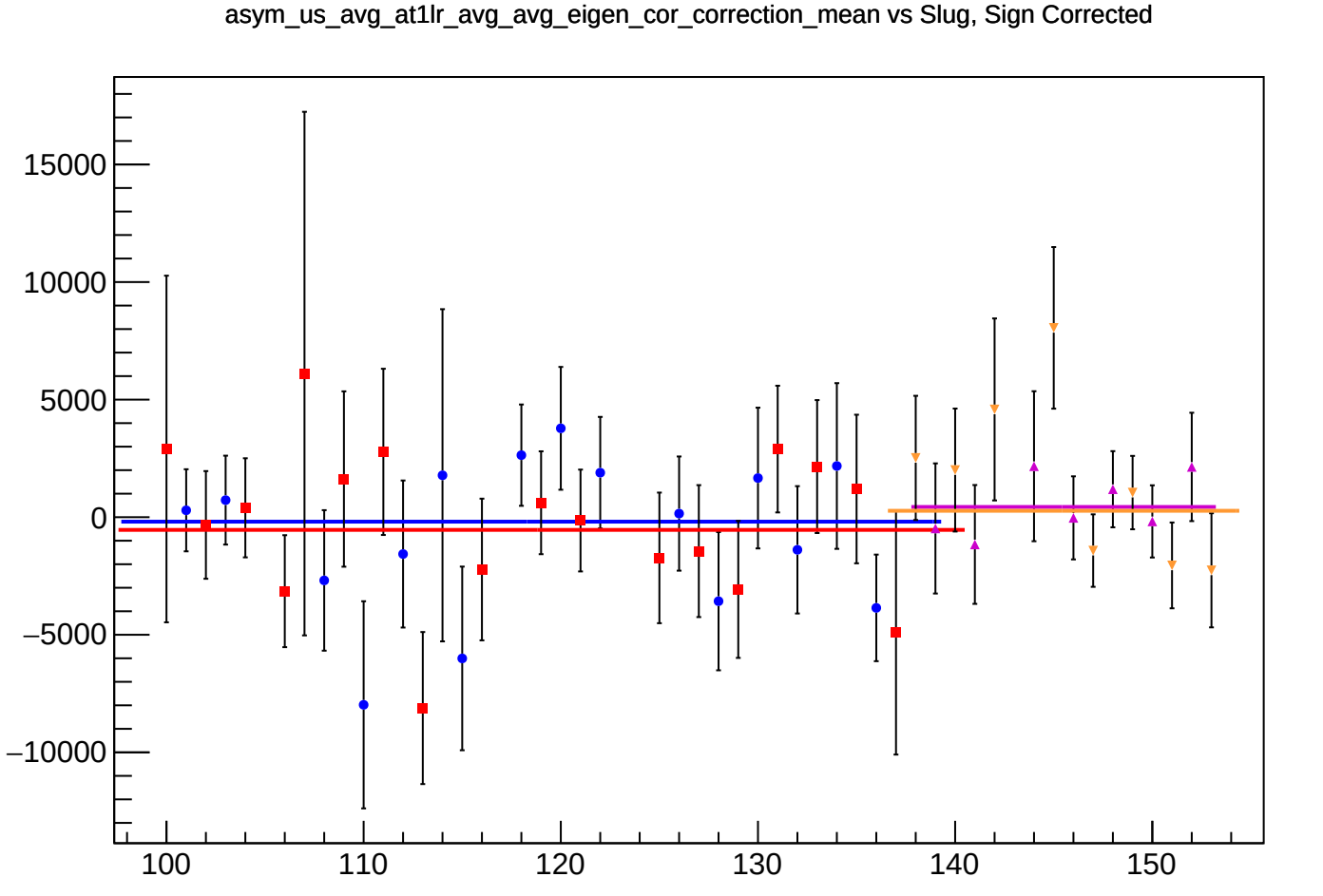
Left: 2186.937+/-0.440 χ^2/NDF: 453.8/14

Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

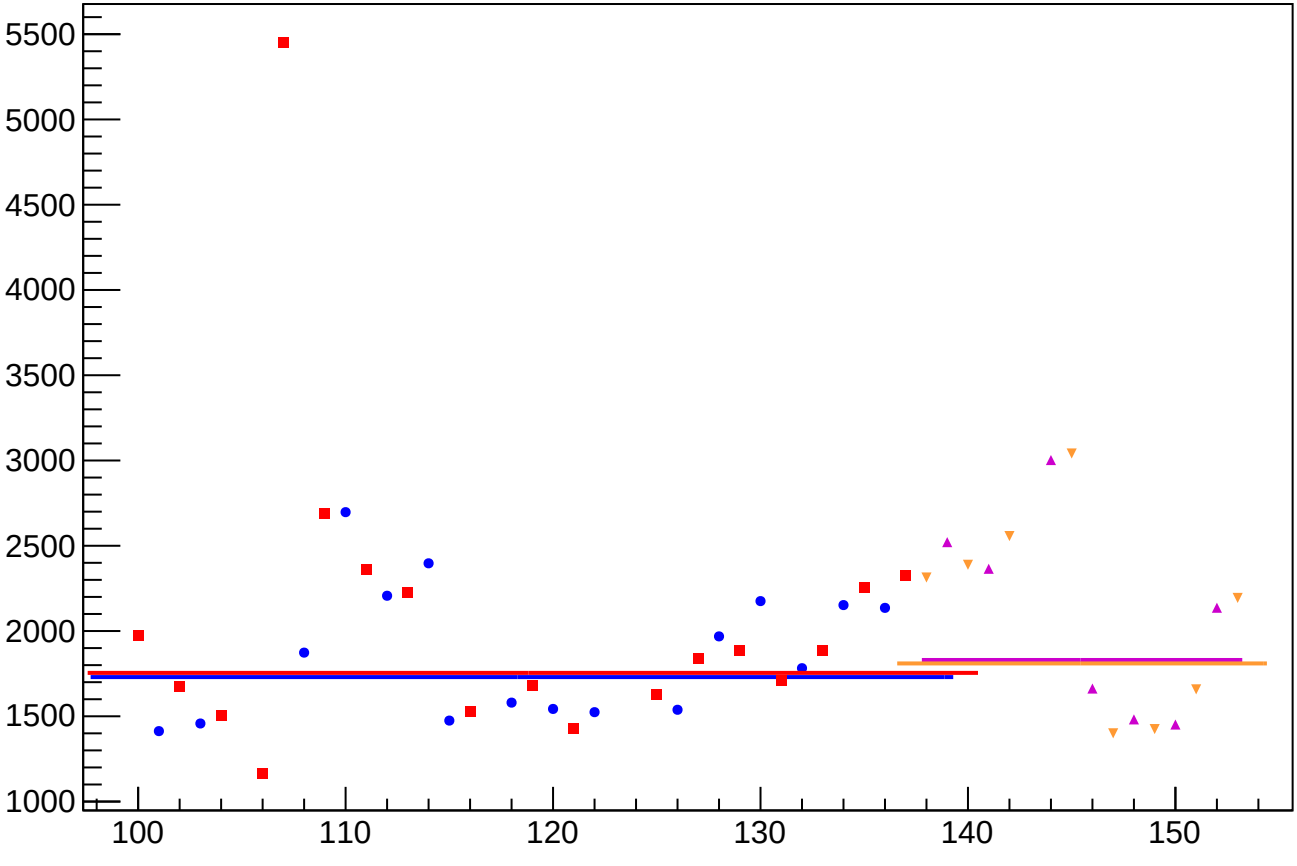
In: 2250.432+/-0.439 χ^2/NDF:533472.1/22

Out: 2259.530+/-0.437 χ^2/NDF:178570.4/25

All: 2255.003+/-0.310 χ^2/NDF: 712257.9/48


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: 272.822+/-757.423 χ²/NDF:11.7/7
Right Out: -539.517+/-678.214 χ²/NDF: 13.9/17
Left In: 435.623+/-766.990 χ²/NDF:1.8/6
Left: 353.201+/-538.929 χ²/NDF: 13.5/14
Right: -359.404+/-472.337 χ²/NDF: 30.5/33
In: 75.471+/-499.494 χ²/NDF:18.6/22
Out: -178.030+/-505.261 χ²/NDF:26.2/25
All: -49.824+/-355.217 χ²/NDF: 45.0/48

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: 1809.919+/-0.536 χ^2/NDF:829224.4/7

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1830.172+/-0.542 χ^2/NDF:752206.9/6

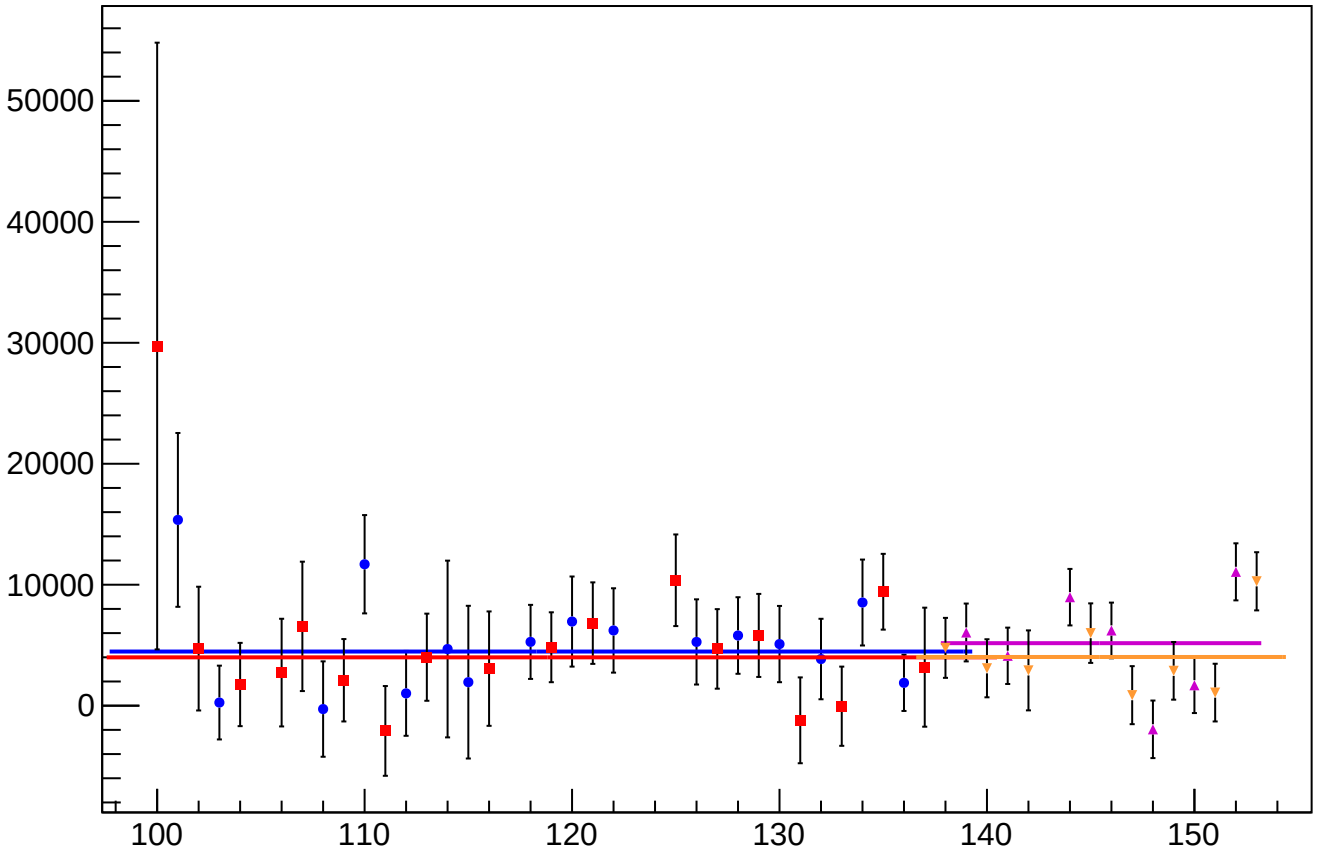
Left: 1819.919+/-0.381 χ^2/NDF: 1582137.3/14

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1772.426+/-0.353 χ^2/NDF:1251791.4/22

Out: 1779.176+/-0.357 χ^2/NDF:1586171.2/25

All: 1775.762+/-0.251 χ^2/NDF: 2838143.2/48



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 4025.577+/-879.959 χ^2/NDF:11.3/7

Right Out: 3995.807+/-890.441 χ^2/NDF: 15.5/17

Left In: 5168.124+/-884.867 χ^2/NDF:20.7/6

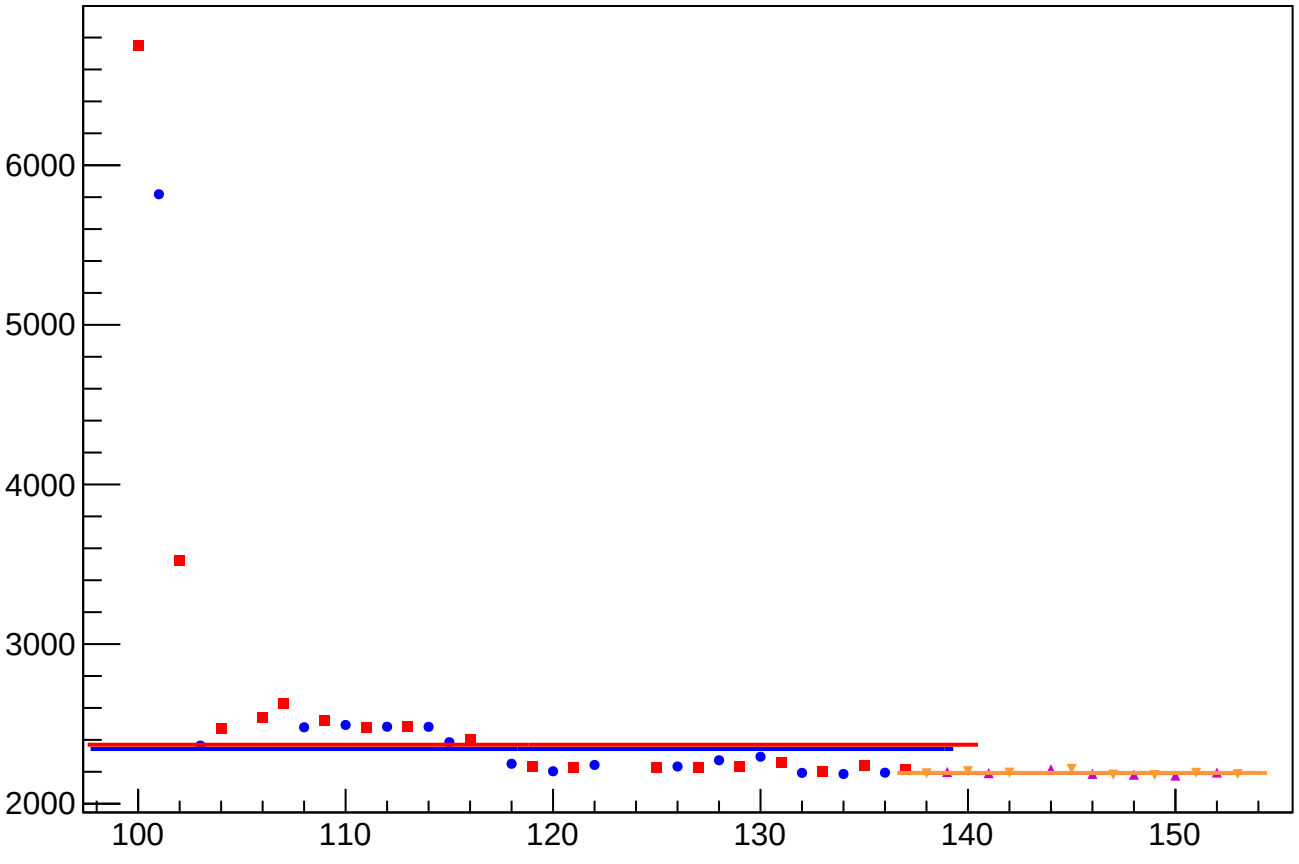
Left: 4593.673+/-623.953 χ^2/NDF: 32.8/14

Right: 4237.297+/-628.092 χ^2/NDF: 29.2/33

In: 4822.754+/-626.126 χ^2/NDF:34.6/22

Out: 4010.868+/-625.898 χ^2/NDF:26.7/25

All: 4416.663+/-442.657 χ^2/NDF: 62.1/48



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2192.963+/-0.622 χ^2/NDF:378.0/7

Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2192.312+/-0.626 χ^2/NDF:373.7/6

Left: 2192.639+/-0.441 χ^2/NDF: 752.2/14

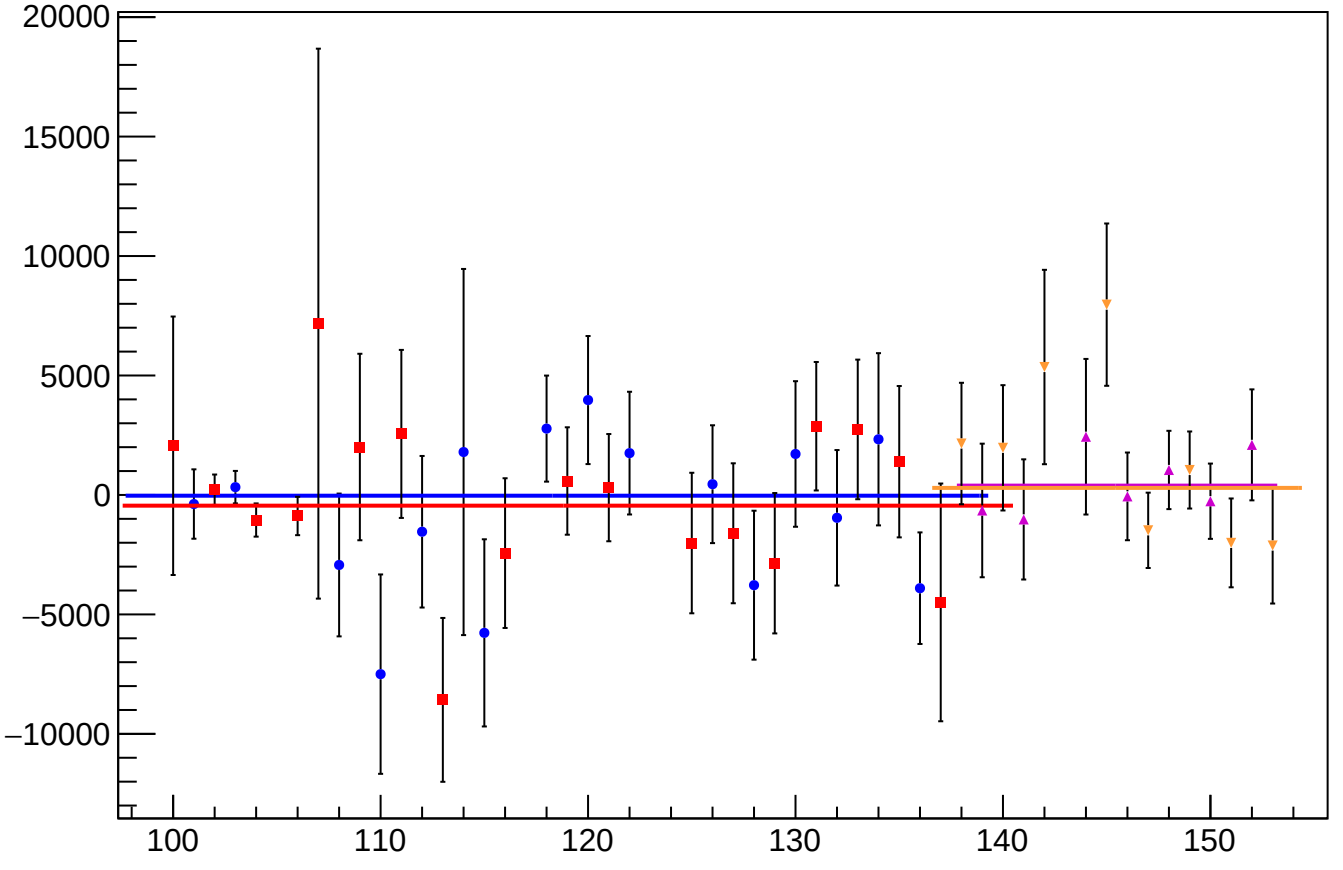
Right: 2356.178+/-0.444 χ^2/NDF: 713914.5/33

In: 2267.509+/-0.443 χ^2/NDF:532167.2/22

Out: 2280.222+/-0.443 χ^2/NDF:250330.1/25

All: 2273.868+/-0.313 χ^2/NDF: 782909.6/48

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: 295.216+/-768.546 χ^2/NDF:11.6/7

Right Out: -448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: 390.502+/-781.390 χ^2/NDF:1.8/6

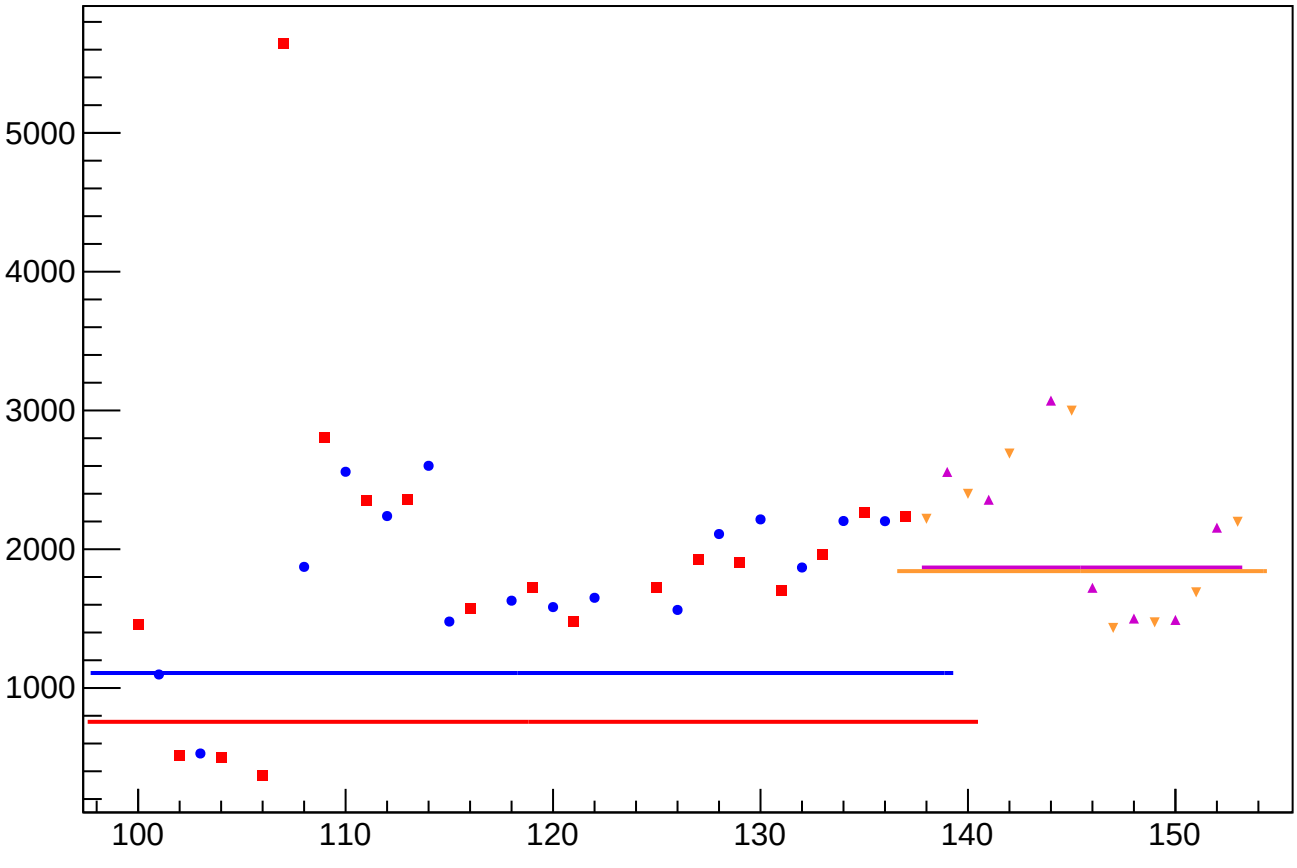
Left: 342.069+/-547.929 χ^2/NDF: 13.4/14

Right: -298.942+/-290.465 χ^2/NDF: 31.9/33

In: 86.055+/-412.277 χ^2/NDF:18.3/22

Out: -312.916+/-327.912 χ^2/NDF:27.5/25

All: -158.321+/-256.635 χ^2/NDF: 46.3/48



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 1842.298+/-0.543 χ^2/NDF:748829.0/7

Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 1868.154+/-0.553 χ^2/NDF:728613.8/6

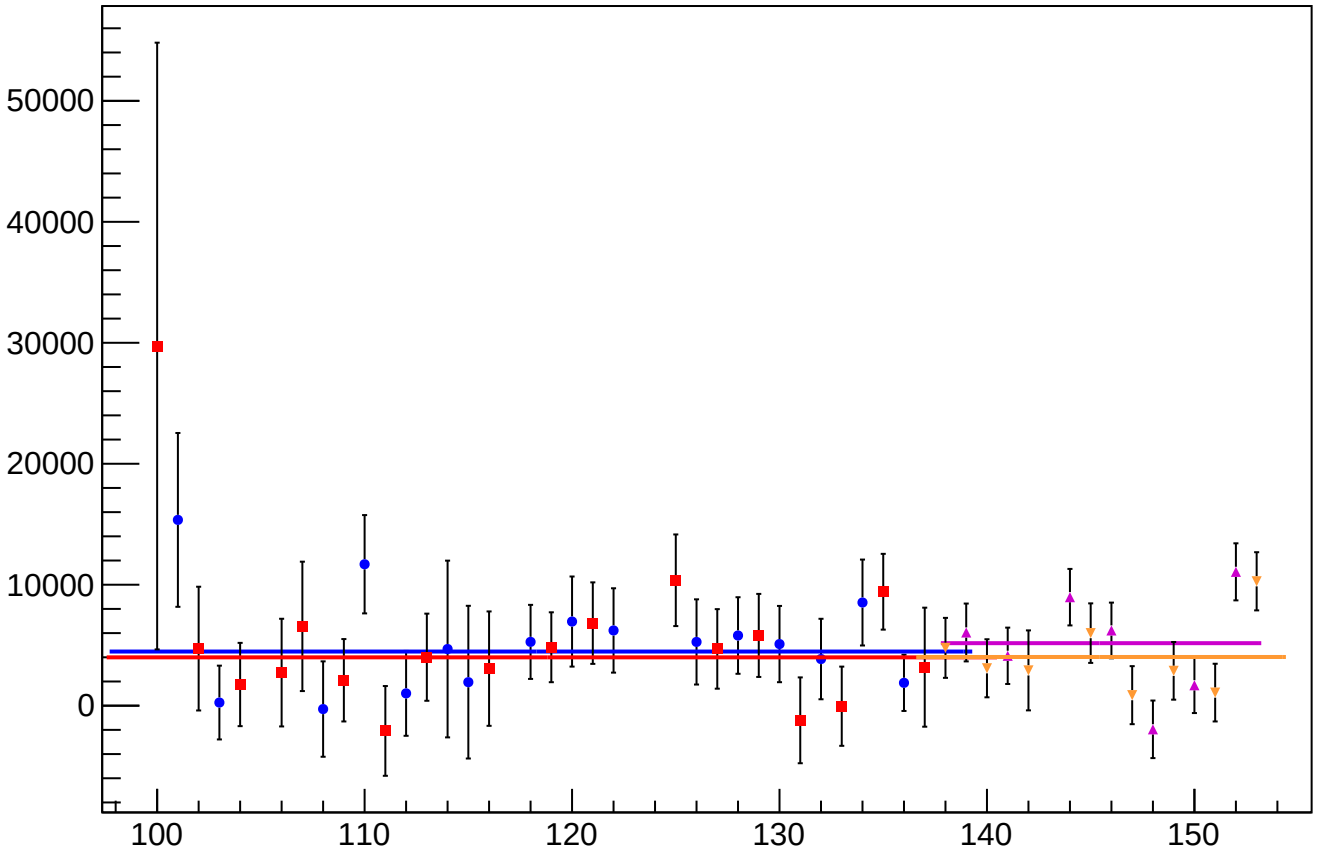
Left: 1855.012+/-0.387 χ^2/NDF: 1478555.9/14

Right: 882.403+/-0.205 χ^2/NDF: 10023844.2/33

In: 1319.714+/-0.292 χ^2/NDF:5840445.0/22

Out: 954.096+/-0.232 χ^2/NDF:9617797.5/25

All: 1095.767+/-0.181 χ^2/NDF: 16421684.5/4



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 4025.578+/-879.959 χ^2/NDF:11.3/7

Right Out: 3995.803+/-890.441 χ^2/NDF: 15.5/17

Left In: 5168.126+/-884.867 χ^2/NDF:20.7/6

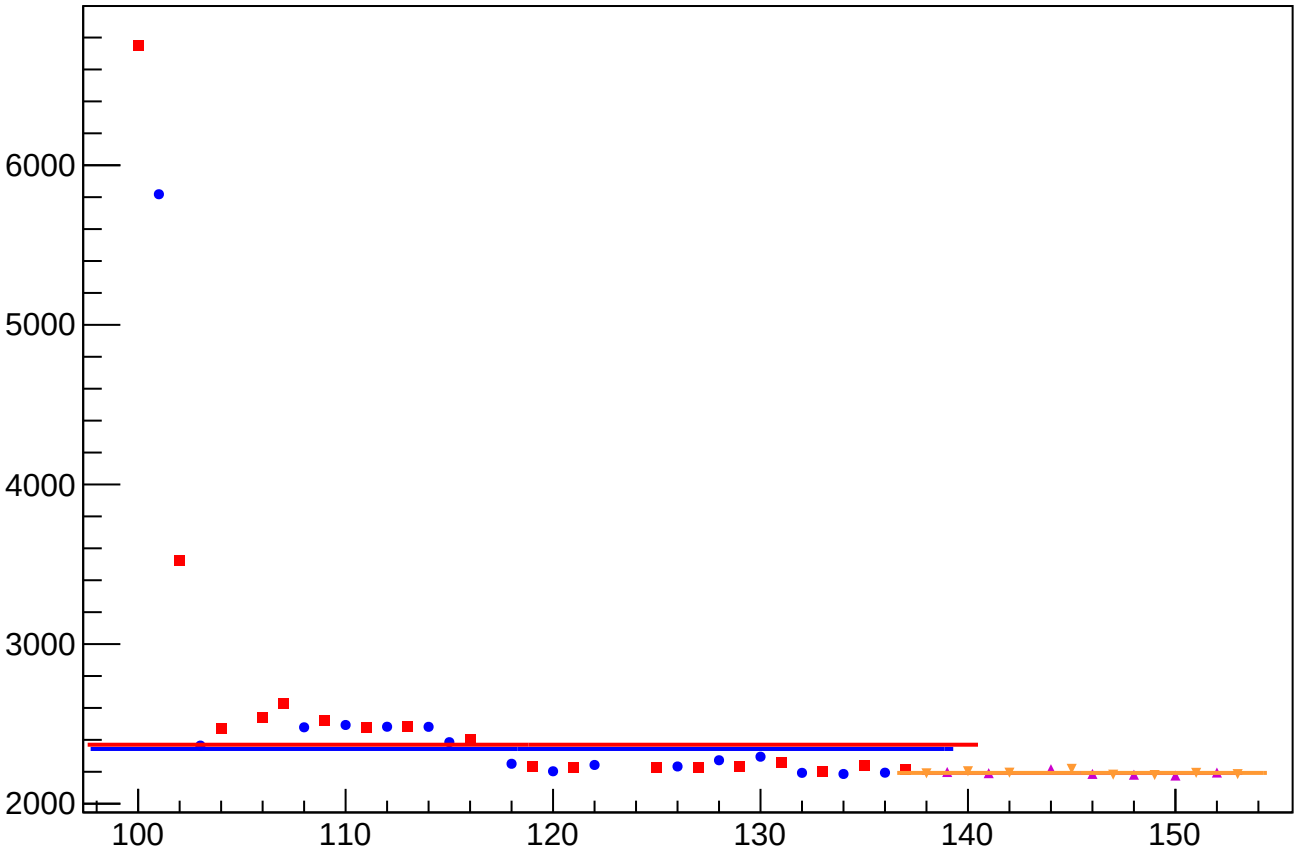
Left: 4593.674+/-623.953 χ^2/NDF: 32.8/14

Right: 4237.293+/-628.092 χ^2/NDF: 29.2/33

In: 4822.753+/-626.126 χ^2/NDF:34.6/22

Out: 4010.867+/-625.898 χ^2/NDF:26.7/25

All: 4416.662+/-442.657 χ^2/NDF: 62.1/48



Right In: 2342.913+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2192.963+/-0.622 χ^2/NDF:378.0/7

Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2192.312+/-0.626 χ^2/NDF:373.7/6

Left: 2192.639+/-0.441 χ^2/NDF: 752.2/14

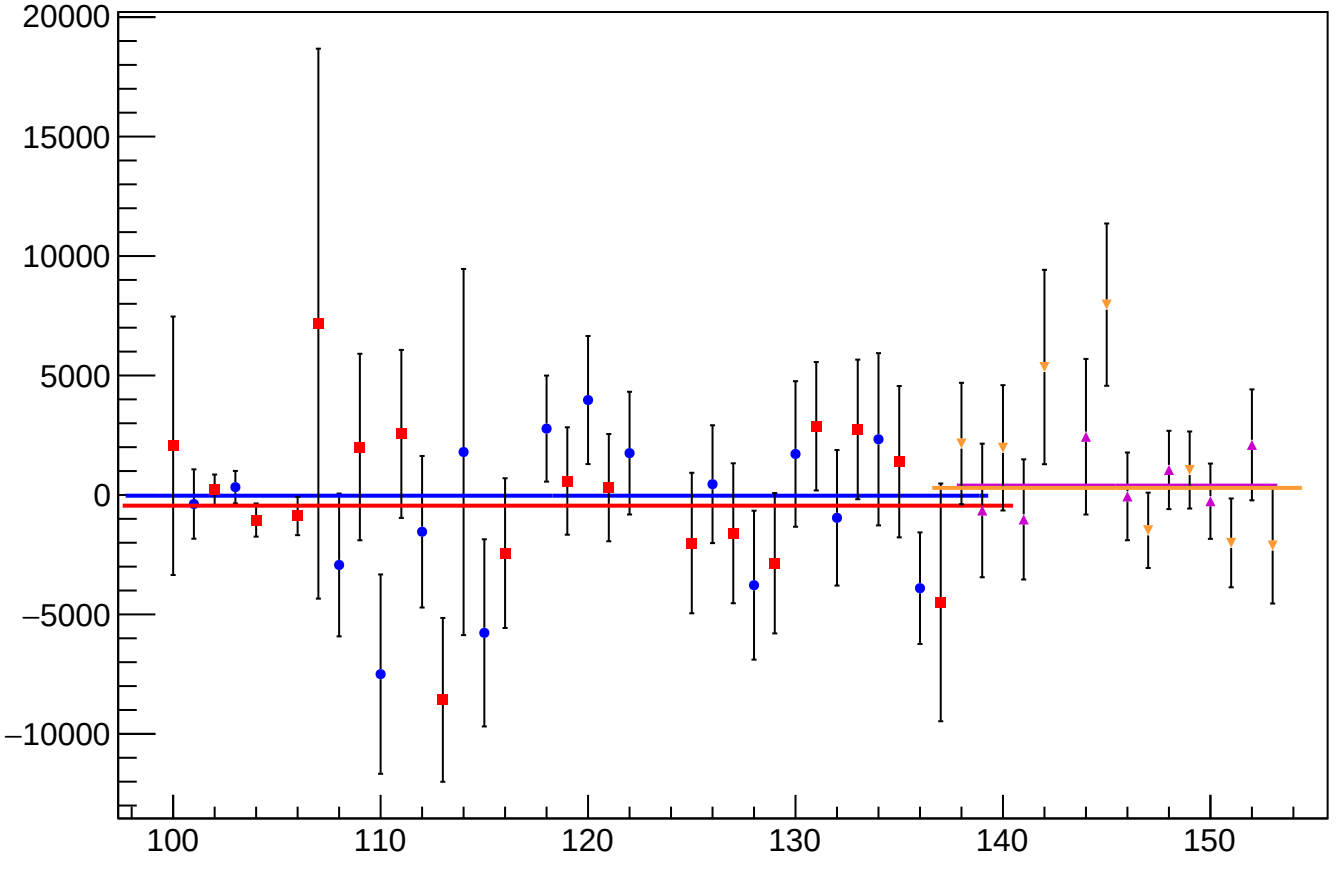
Right: 2356.177+/-0.444 χ^2/NDF: 713913.5/33

In: 2267.509+/-0.443 χ^2/NDF:532167.0/22

Out: 2280.222+/-0.443 χ^2/NDF:250328.8/25

All: 2273.868+/-0.313 χ^2/NDF: 782908.1/48

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: 295.212+/-768.547 χ^2/NDF:11.6/7

Right Out: -448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: 390.504+/-781.392 χ^2/NDF:1.8/6

Left: 342.068+/-547.930 χ^2/NDF: 13.4/14

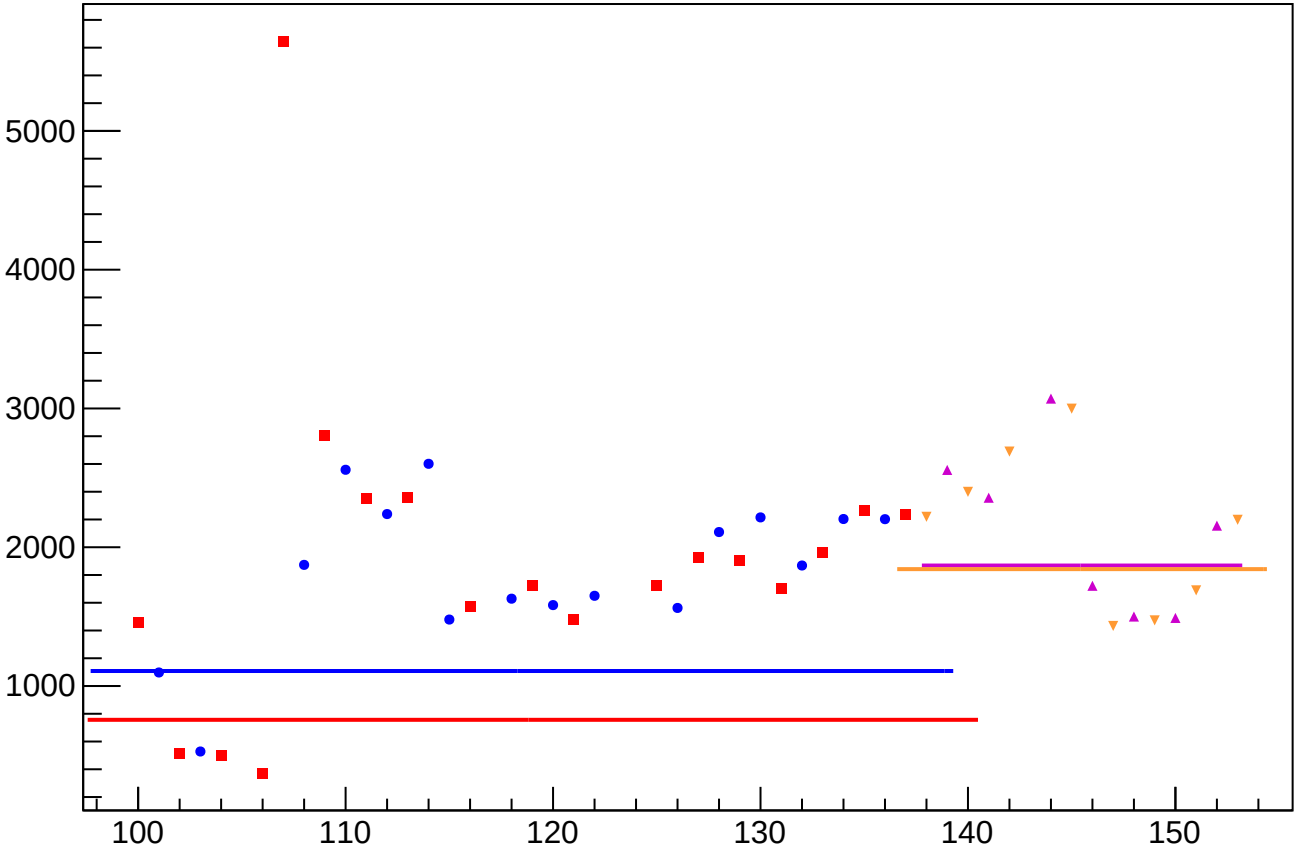
Right: -298.945+/-290.468 χ^2/NDF: 31.9/33

In: 86.052+/-412.279 χ^2/NDF:18.3/22

Out: -312.917+/-327.916 χ^2/NDF:27.5/25

All: -158.322+/-256.637 χ^2/NDF: 46.3/48

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: 1842.301+/-0.543 χ^2/NDF:748829.0/7

Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

Left In: 1868.158+/-0.553 χ^2/NDF:728613.2/6

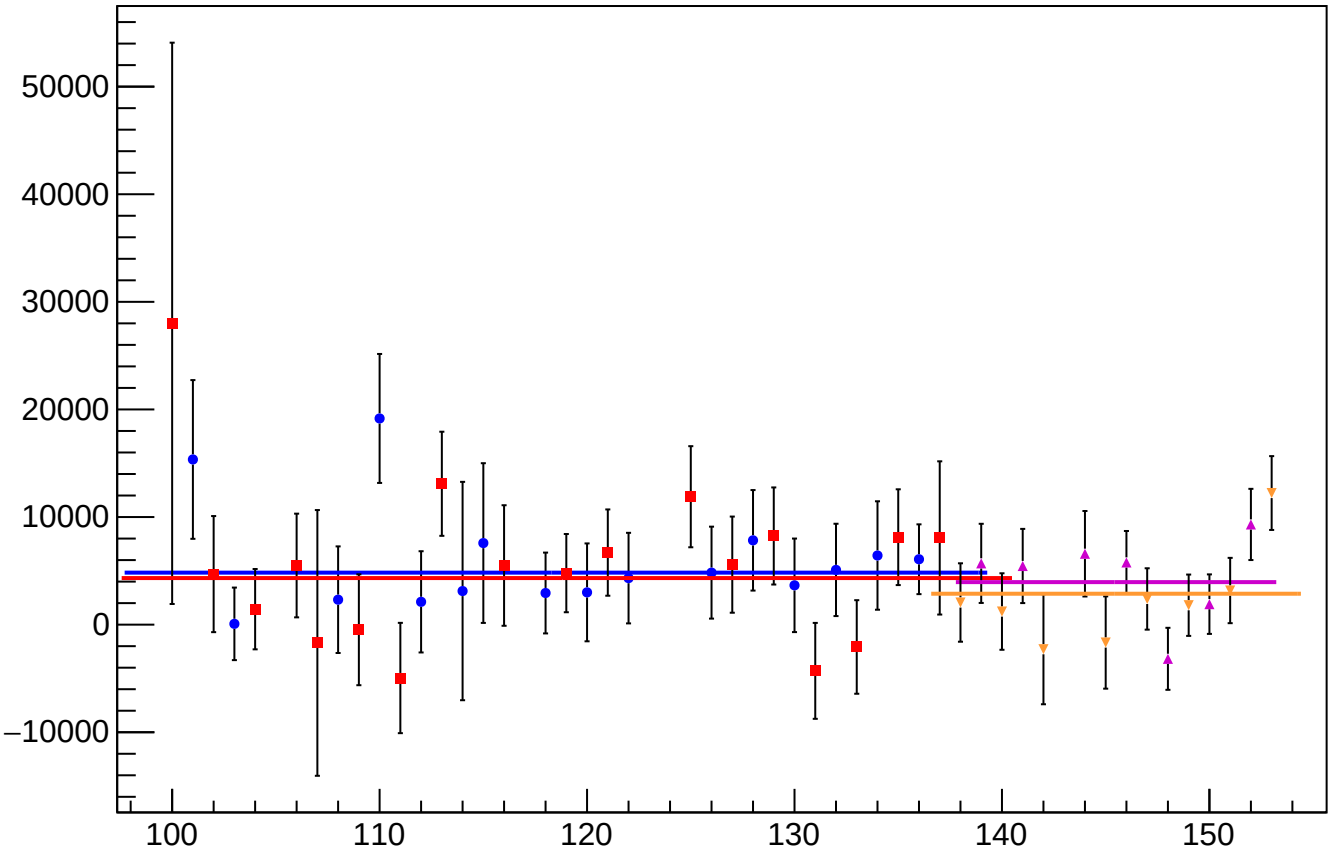
Left: 1855.015+/-0.387 χ^2/NDF: 1478555.4/14

Right: 882.417+/-0.205 χ^2/NDF: 10023620.2/33

In: 1319.724+/-0.292 χ^2/NDF:5840338.5/22

Out: 954.112+/-0.232 χ^2/NDF:9617582.8/25

All: 1095.782+/-0.181 χ^2/NDF: 16421310.6/4



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 2873.683+/-1206.808 χ^2/NDF:10.0/7

Right Out: 4328.601+/-1144.541 χ^2/NDF: 19.9/17

Left In: 3952.168+/-1211.703 χ^2/NDF:10.5/6

Left: 3410.742+/-855.068 χ^2/NDF: 21.0/14

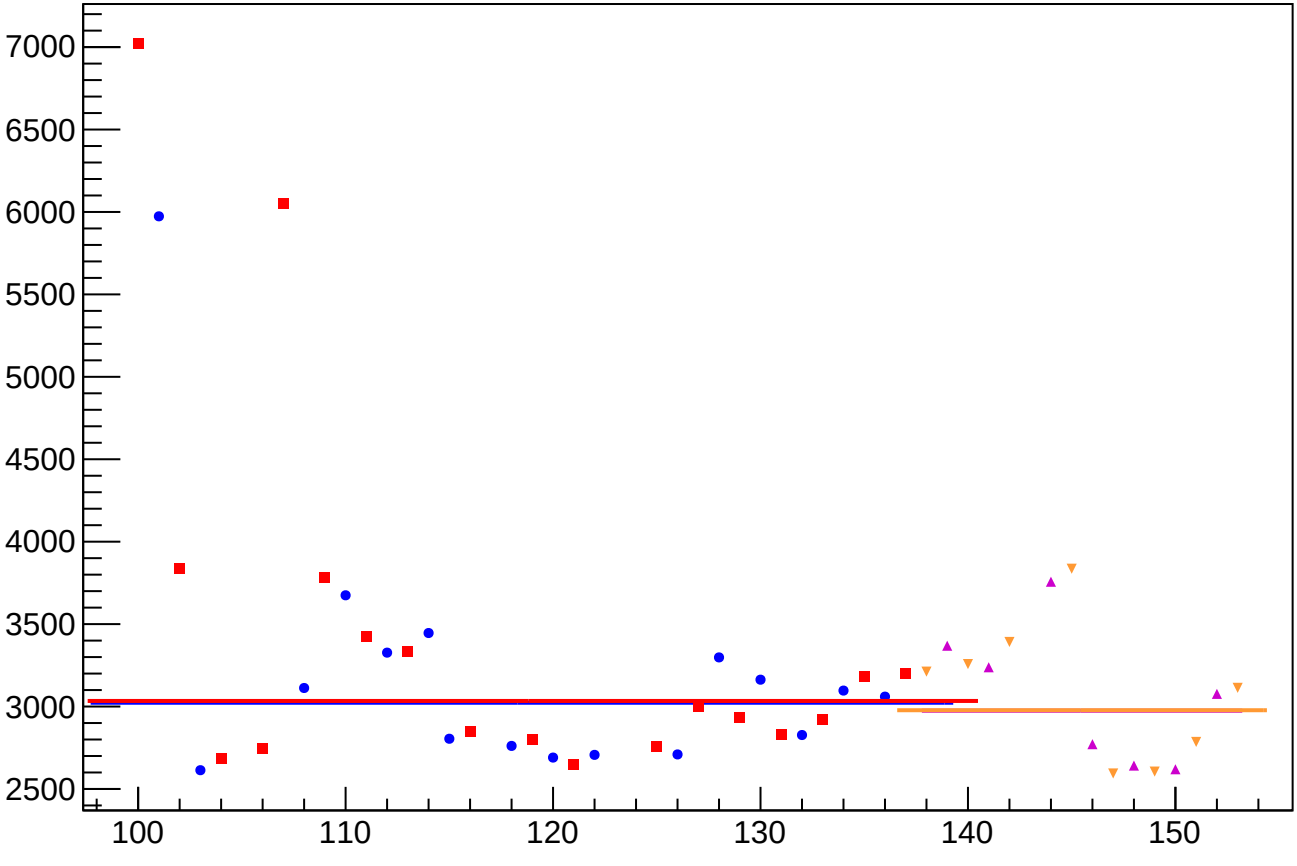
Right: 4581.647+/-808.603 χ^2/NDF: 31.7/33

In: 4418.868+/-831.272 χ^2/NDF:22.5/22

Out: 3639.643+/-830.454 χ^2/NDF:30.7/25

All: 4028.872+/-587.508 χ^2/NDF: 53.6/48

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: 2977.603+/-0.853 χ^2/NDF:195371.5/7

Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 2974.635+/-0.857 χ^2/NDF:183490.9/6

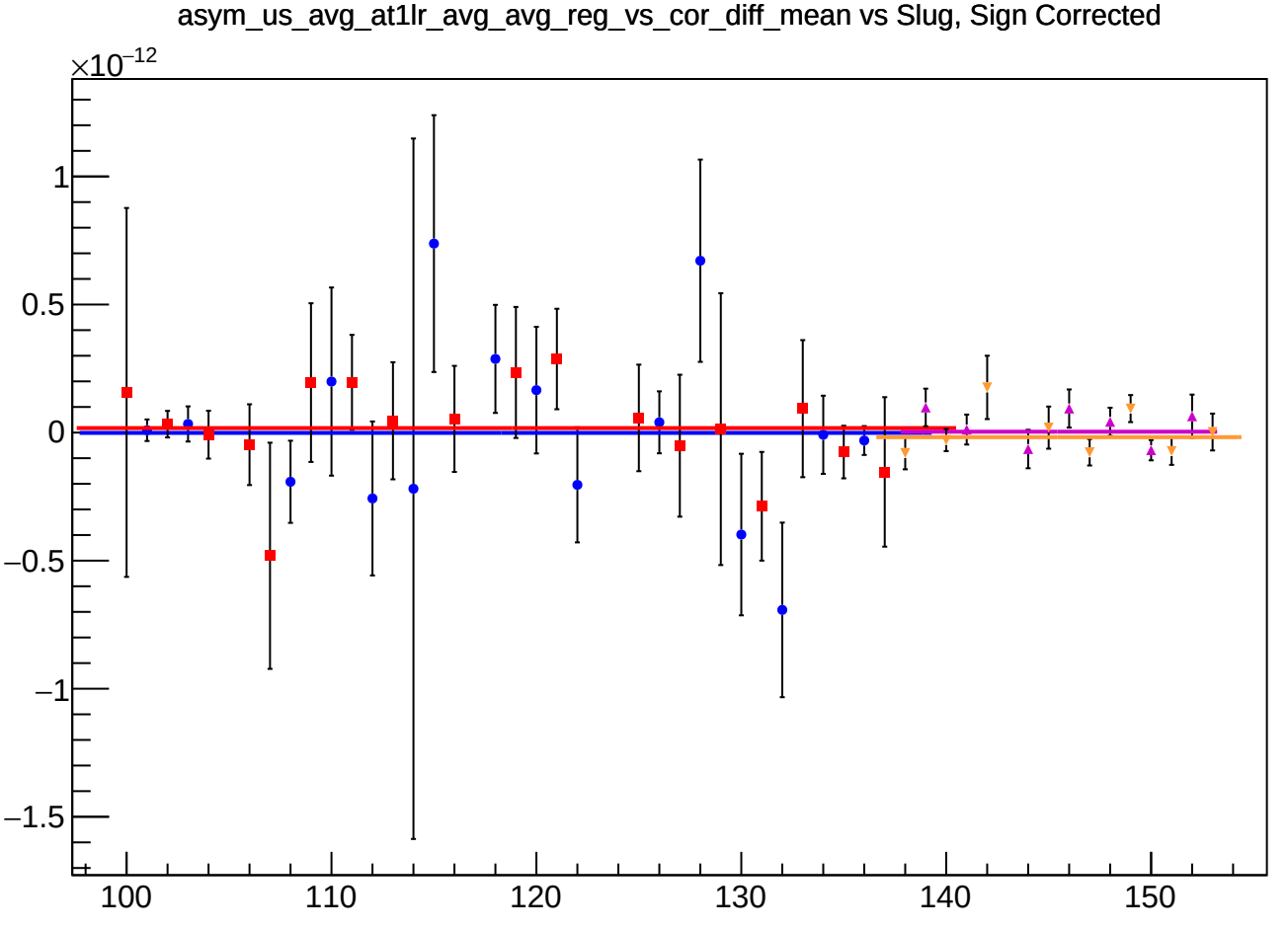
Left: 2976.125+/-0.605 χ^2/NDF: 378868.4/14

Right: 3028.459+/-0.572 χ^2/NDF: 786469.7/33

In: 3000.274+/-0.588 χ^2/NDF:628888.2/22

Out: 3007.225+/-0.587 χ^2/NDF:540335.0/25

All: 3003.753+/-0.415 χ^2/NDF: 1169293.2/48



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/7

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: 0.000+/-0.000 χ^2/NDF:8.3/6

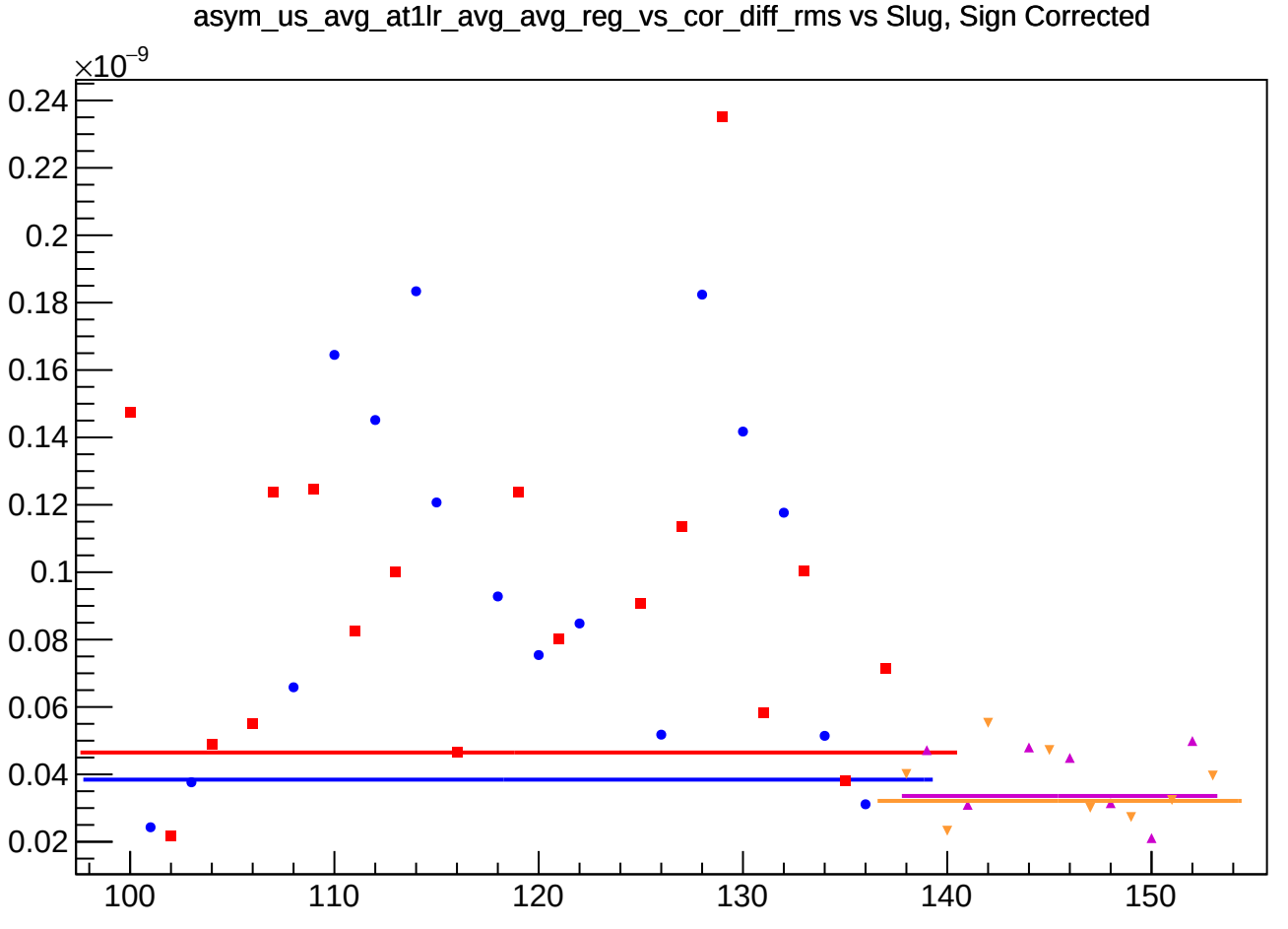
Left: -0.000+/-0.000 χ^2/NDF: 19.3/14

Right: 0.000+/-0.000 χ^2/NDF: 26.3/33

In: 0.000+/-0.000 χ^2/NDF:25.4/22

Out: -0.000+/-0.000 χ^2/NDF:20.3/25

All: -0.000+/-0.000 χ^2/NDF: 45.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 1771405.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:294647.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1697135.5/17

Left In: 0.000+/-0.000 χ^2/NDF:467901.9/6

Left: 0.000+/-0.000 χ^2/NDF: 767015.9/14

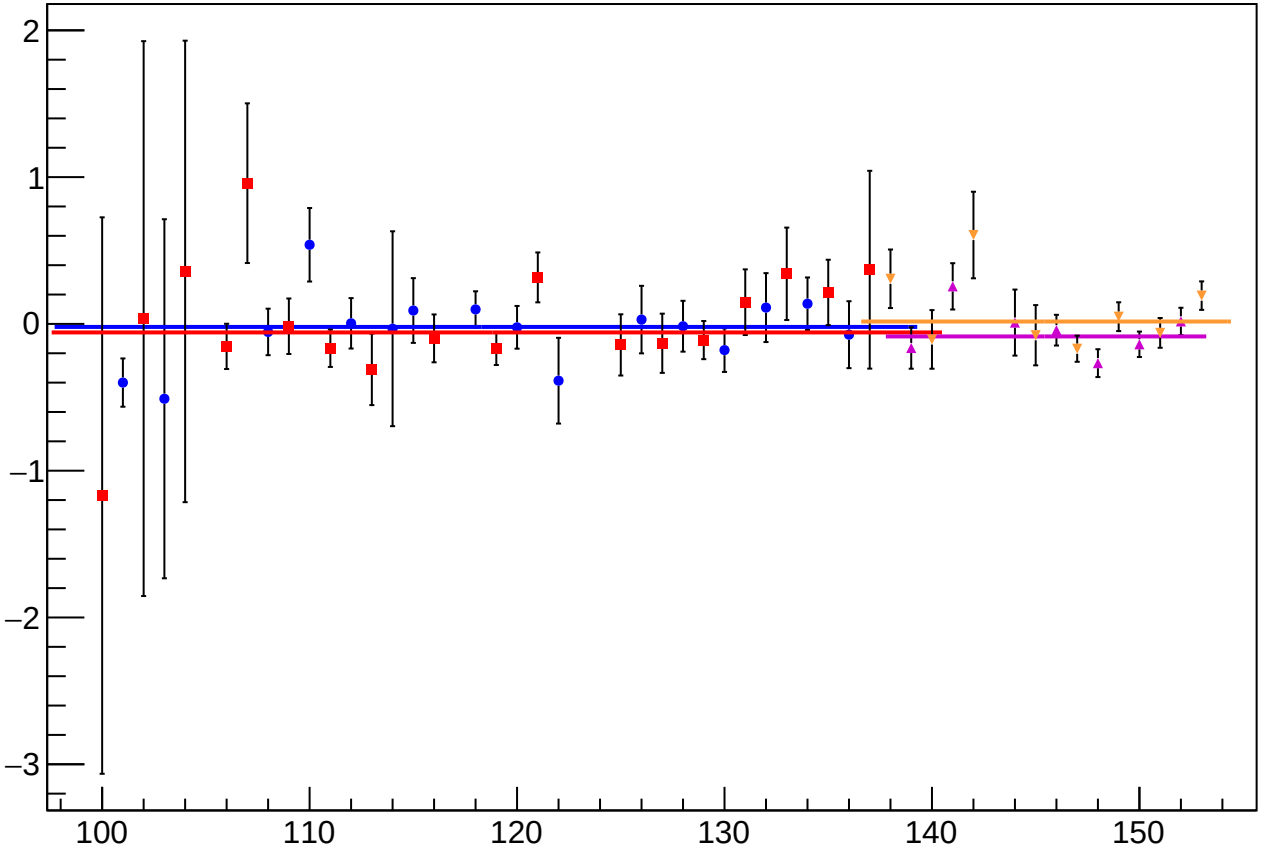
Right: 0.000+/-0.000 χ^2/NDF: 3535596.3/33

In: 0.000+/-0.000 χ^2/NDF:2276679.8/22

Out: 0.000+/-0.000 χ^2/NDF:2244447.1/25

All: 0.000+/-0.000 χ^2/NDF: 4521721.8/48

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: 0.016+/-0.044 χ^2/NDF:15.0/7

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.085+/-0.042 χ^2/NDF:10.6/6

Left: -0.036+/-0.030 χ^2/NDF: 28.4/14

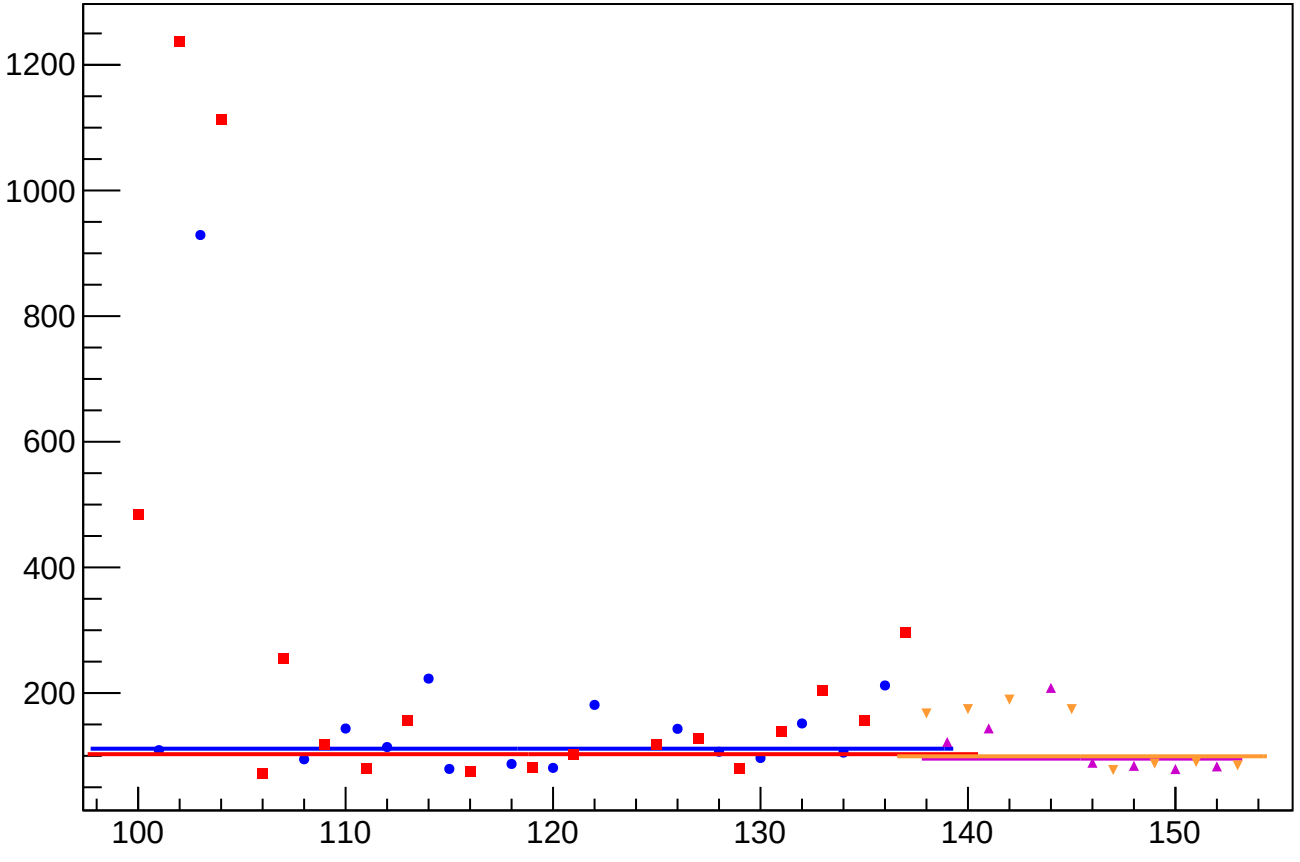
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.057+/-0.032 χ^2/NDF:27.3/22

Out: -0.019+/-0.032 χ^2/NDF:33.2/25

All: -0.038+/-0.022 χ^2/NDF: 61.2/48

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: 99.325+/-0.031 χ^2/NDF:1180781.4/7

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 95.595+/-0.030 χ^2/NDF:903575.4/6

Left: 97.388+/-0.022 χ^2/NDF: 2091862.4/14

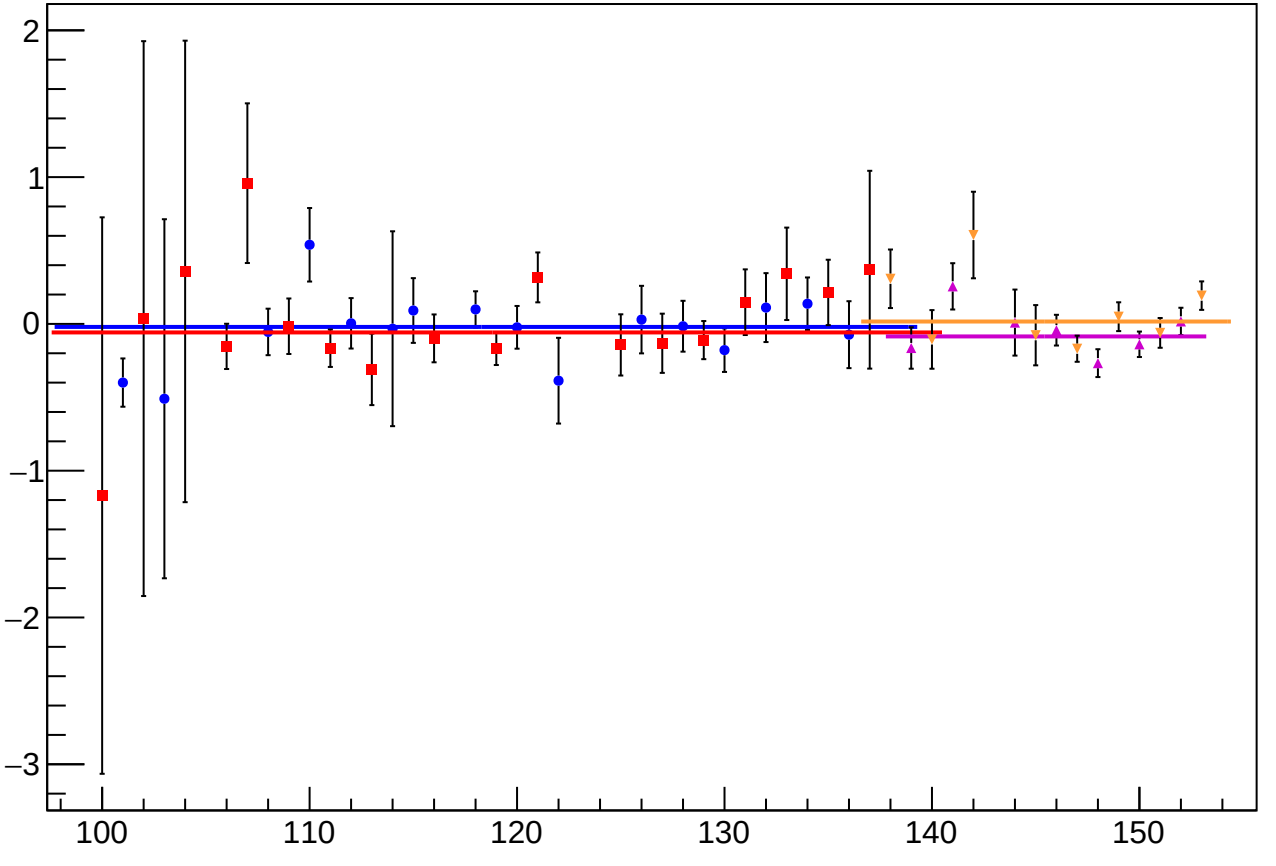
Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 102.552+/-0.022 χ^2/NDF:2866378.4/22

Out: 100.906+/-0.023 χ^2/NDF:4013127.1/25

All: 101.737+/-0.016 χ^2/NDF: 6882193.7/48

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: 0.016+/-0.044 χ^2/NDF:15.0/7

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.085+/-0.042 χ^2/NDF:10.6/6

Left: -0.036+/-0.030 χ^2/NDF: 28.4/14

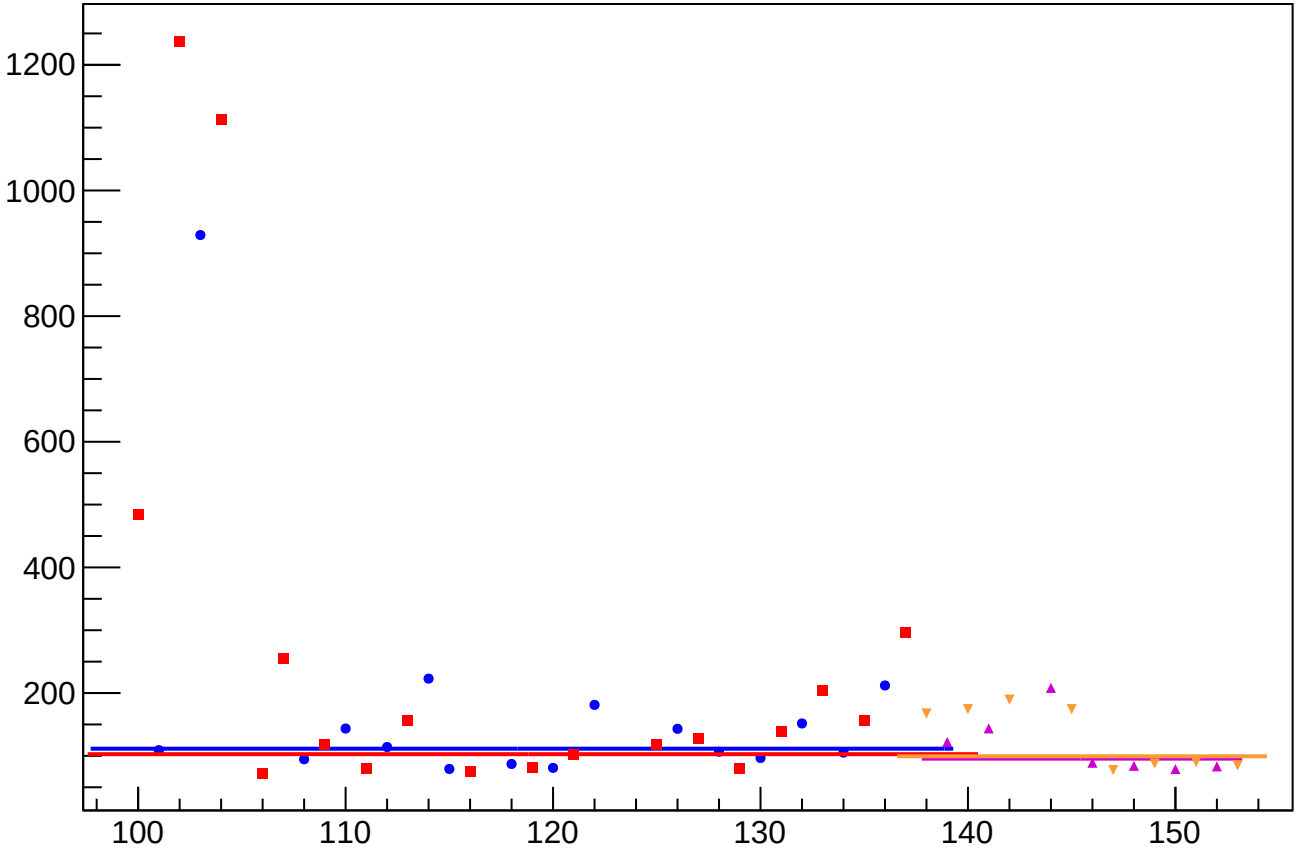
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.057+/-0.032 χ^2/NDF:27.3/22

Out: -0.019+/-0.032 χ^2/NDF:33.2/25

All: -0.038+/-0.022 χ^2/NDF: 61.2/48

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: 99.325+/-0.031 χ^2/NDF:1180781.4/7

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 95.595+/-0.030 χ^2/NDF:903575.4/6

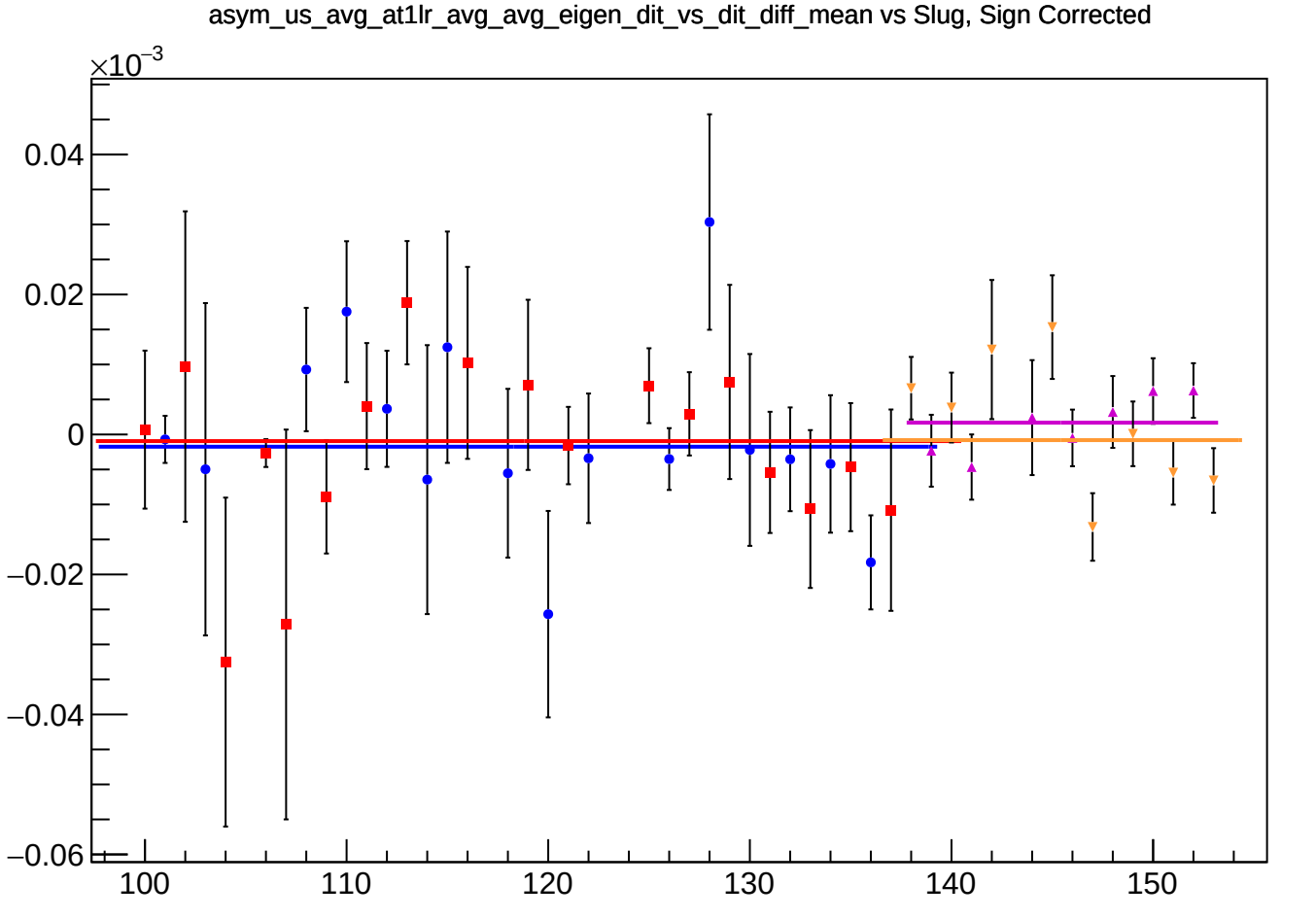
Left: 97.388+/-0.022 χ^2/NDF: 2091862.4/14

Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

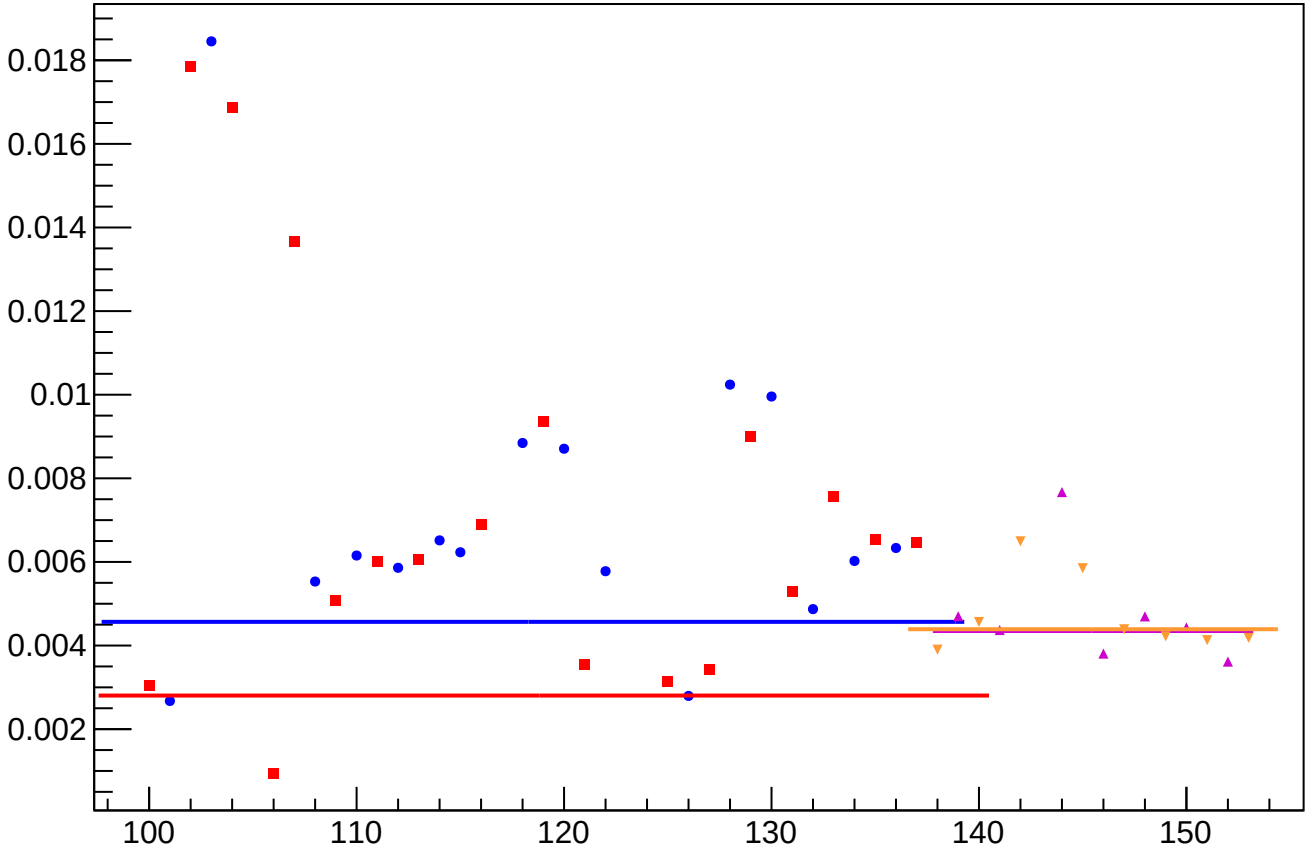
In: 102.552+/-0.022 χ^2/NDF:2866378.4/22

Out: 100.906+/-0.023 χ^2/NDF:4013127.1/25

All: 101.737+/-0.016 χ^2/NDF: 6882193.7/48


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
Right In: -0.000+/-0.000 χ²/NDF: 20.0/15
Left Out: -0.000+/-0.000 χ²/NDF:19.3/7
Right Out: -0.000+/-0.000 χ²/NDF: 15.7/17
Left In: 0.000+/-0.000 χ²/NDF:5.2/6
Left: 0.000+/-0.000 χ²/NDF: 25.4/14
Right: -0.000+/-0.000 χ²/NDF: 35.9/33
In: 0.000+/-0.000 χ²/NDF:26.9/22
Out: -0.000+/-0.000 χ²/NDF:35.1/25
All: -0.000+/-0.000 χ²/NDF: 62.3/48

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 3012257.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:206735.5/7

Right Out: 0.003+/-0.000 χ^2/NDF: 6610011.8/17

Left In: 0.004+/-0.000 χ^2/NDF:452797.2/6

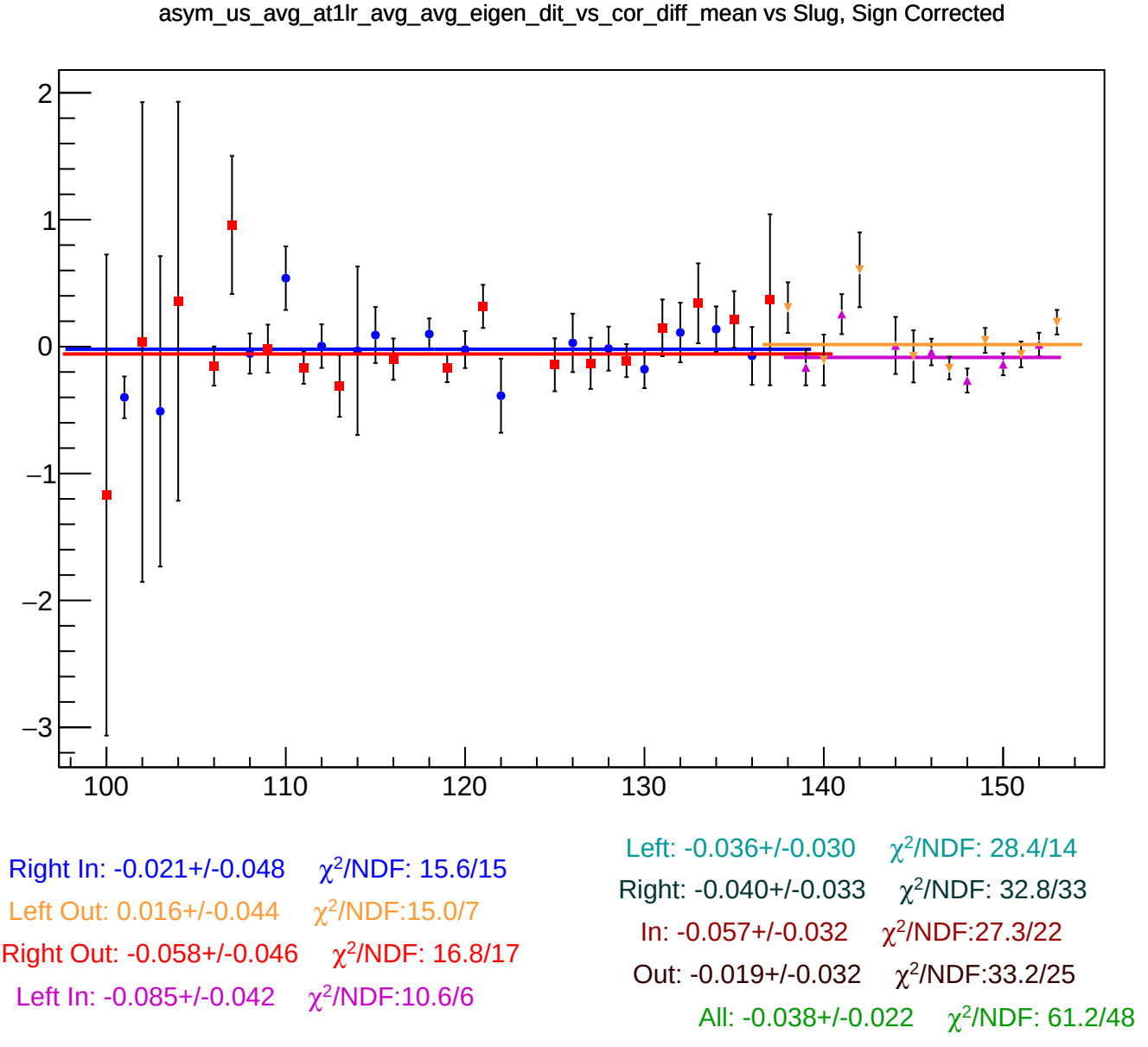
Left: 0.004+/-0.000 χ^2/NDF: 660095.3/14

Right: 0.003+/-0.000 χ^2/NDF: 10674508.6/33

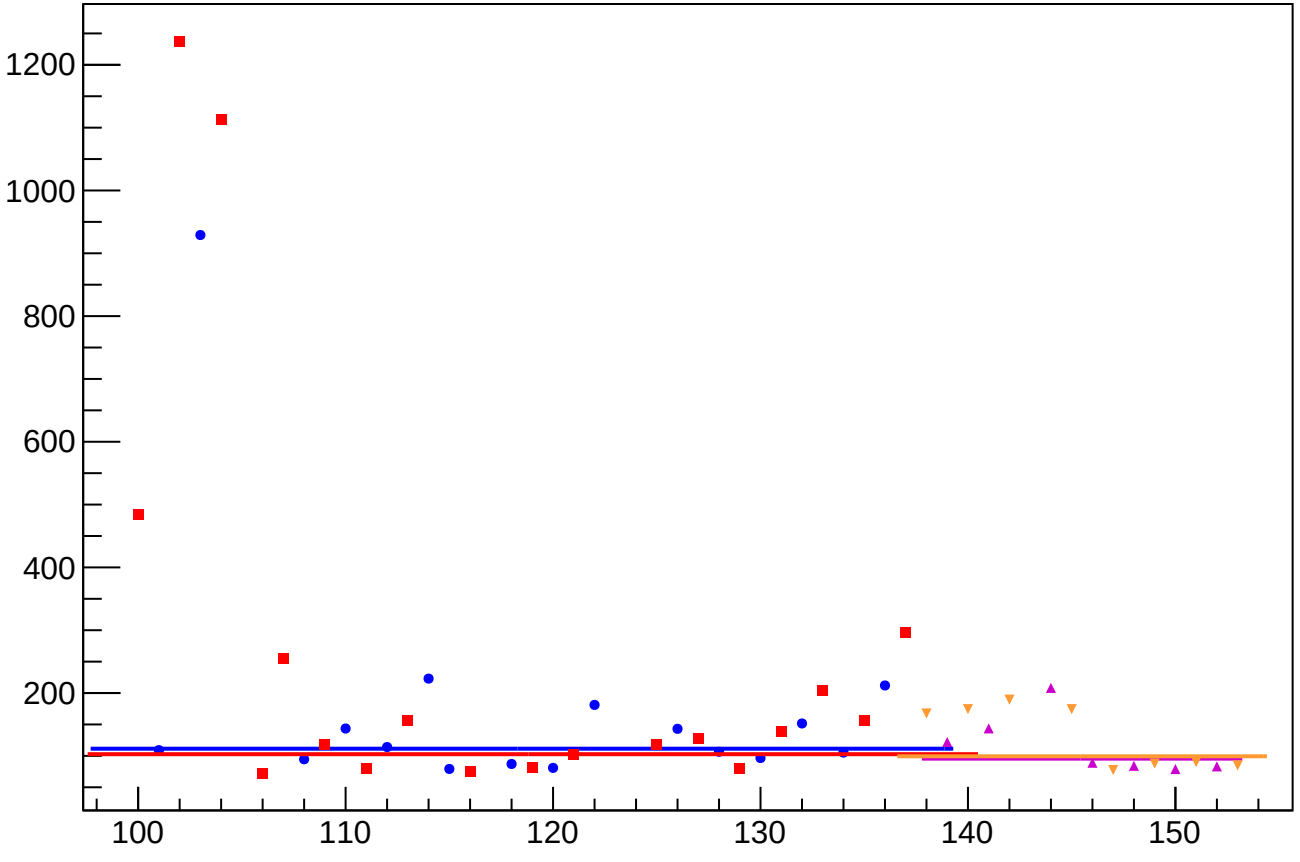
In: 0.004+/-0.000 χ^2/NDF:3478863.4/22

Out: 0.003+/-0.000 χ^2/NDF:7735686.3/25

All: 0.004+/-0.000 χ^2/NDF: 11889142.0/48


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
110
120
130
140
150
Right In: -0.021+/-0.048 χ²/NDF: 15.6/15
Left Out: 0.016+/-0.044 χ²/NDF:15.0/7
Right Out: -0.058+/-0.046 χ²/NDF: 16.8/17
Left In: -0.085+/-0.042 χ²/NDF:10.6/6
Left: -0.036+/-0.030 χ²/NDF: 28.4/14
Right: -0.040+/-0.033 χ²/NDF: 32.8/33
In: -0.057+/-0.032 χ²/NDF:27.3/22
Out: -0.019+/-0.032 χ²/NDF:33.2/25
All: -0.038+/-0.022 χ²/NDF: 61.2/48

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 99.326+/-0.031 χ^2/NDF:1180761.6/7

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 95.595+/-0.030 χ^2/NDF:903571.1/6

Left: 97.388+/-0.022 χ^2/NDF: 2091838.2/14

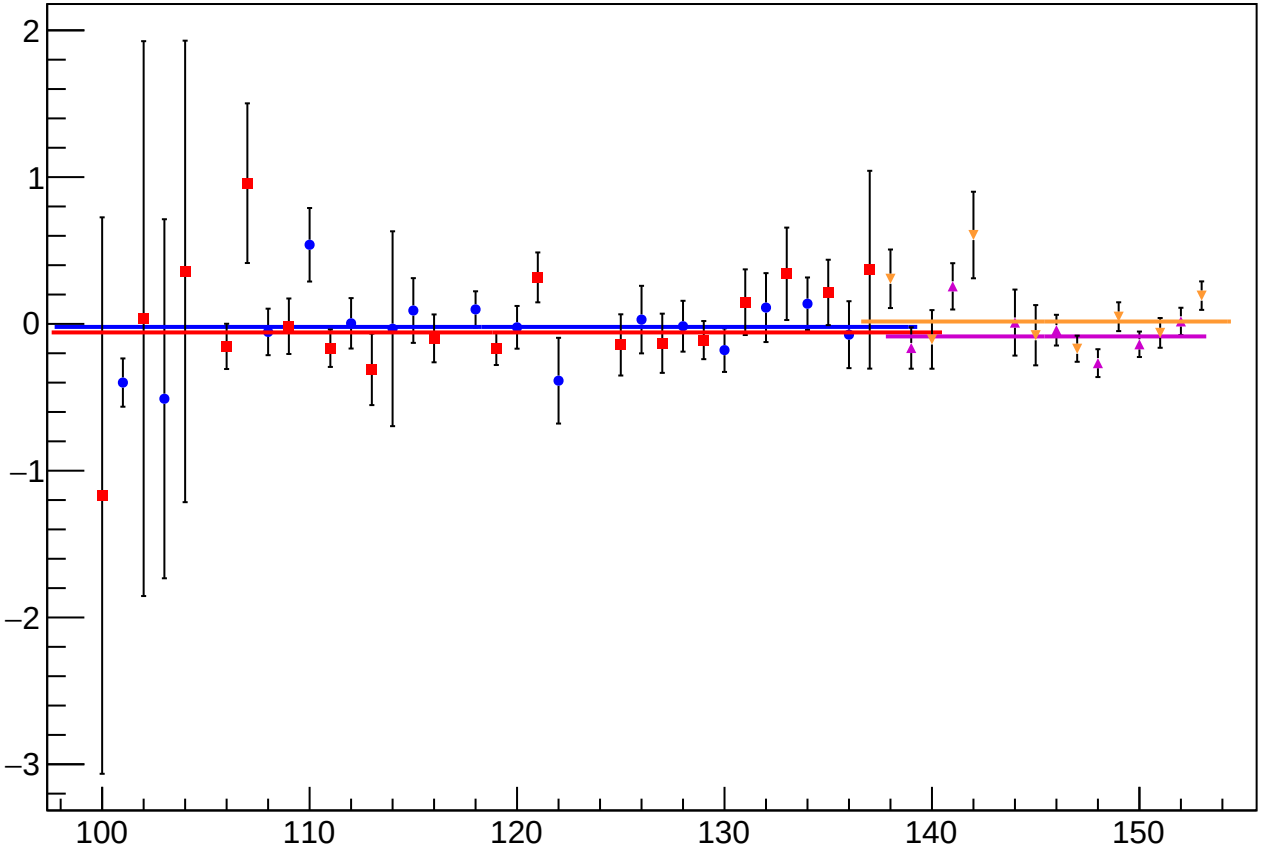
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 102.551+/-0.022 χ^2/NDF:2866374.3/22

Out: 100.906+/-0.023 χ^2/NDF:4013096.3/25

All: 101.736+/-0.016 χ^2/NDF: 6882157.9/48

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: 0.016+/-0.044 χ^2/NDF:15.0/7

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.085+/-0.042 χ^2/NDF:10.6/6

Left: -0.036+/-0.030 χ^2/NDF: 28.4/14

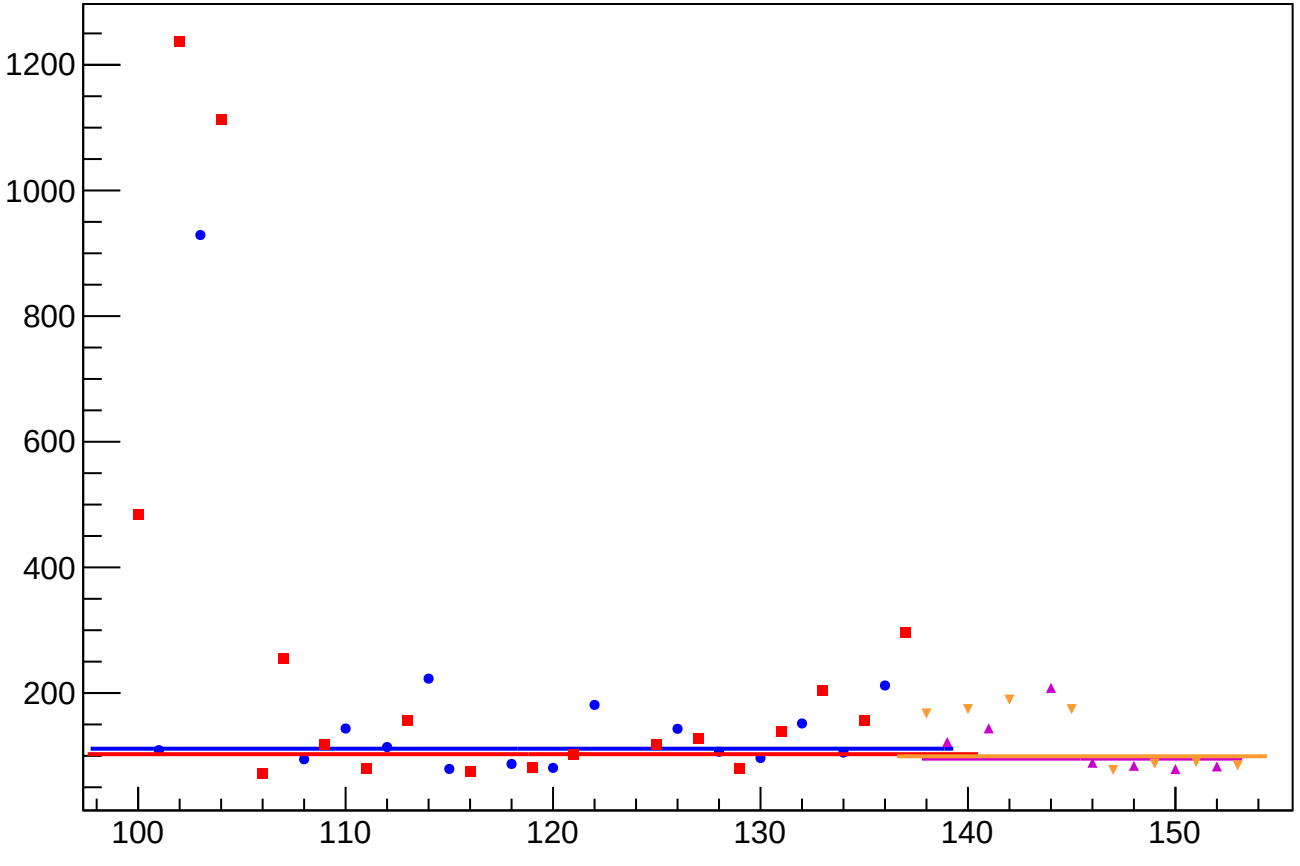
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.057+/-0.032 χ^2/NDF:27.3/22

Out: -0.019+/-0.032 χ^2/NDF:33.2/25

All: -0.038+/-0.022 χ^2/NDF: 61.2/48

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: 99.326+/-0.031 χ^2/NDF:1180761.6/7

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 95.595+/-0.030 χ^2/NDF:903571.1/6

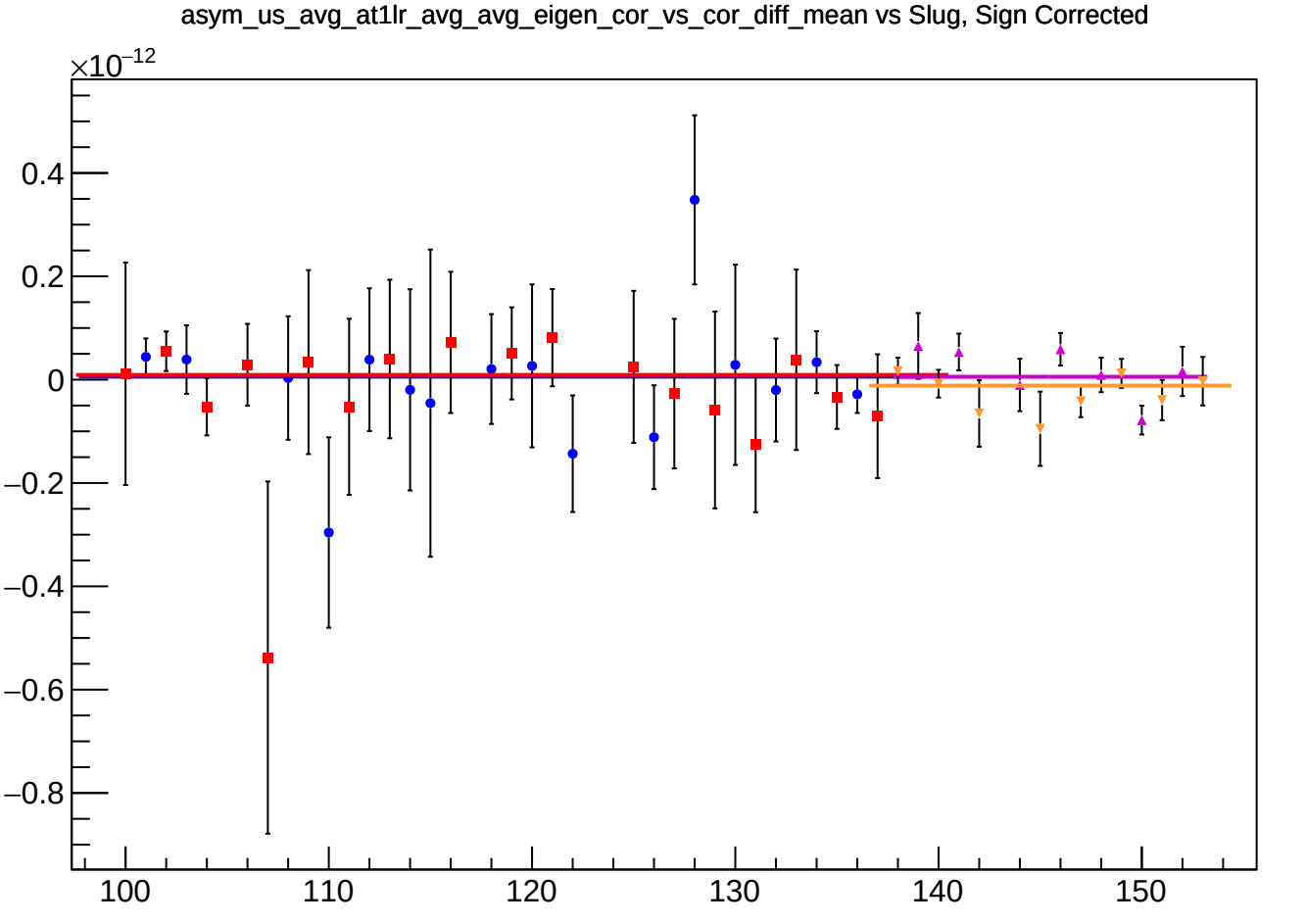
Left: 97.388+/-0.022 χ^2/NDF: 2091838.2/14

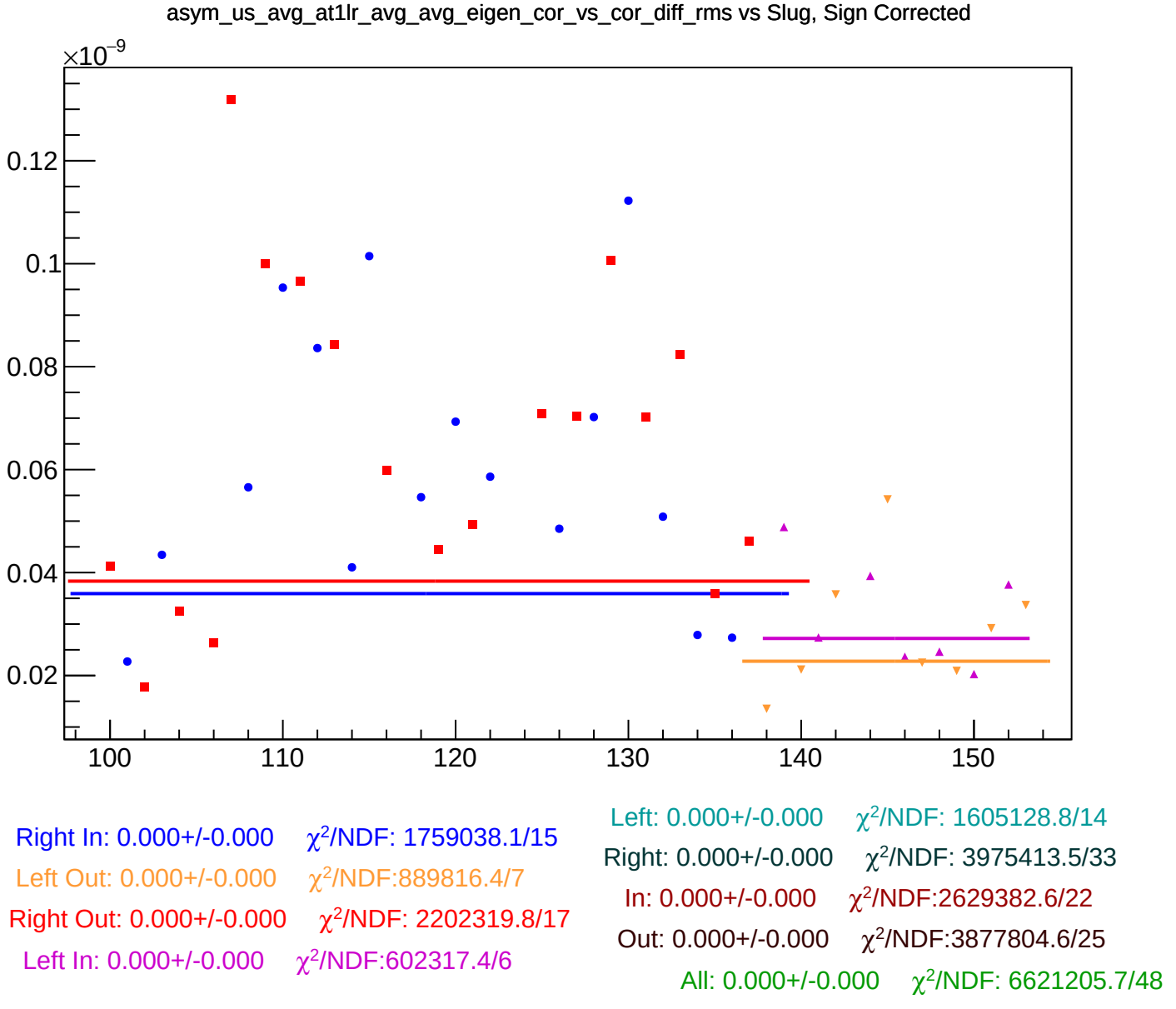
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

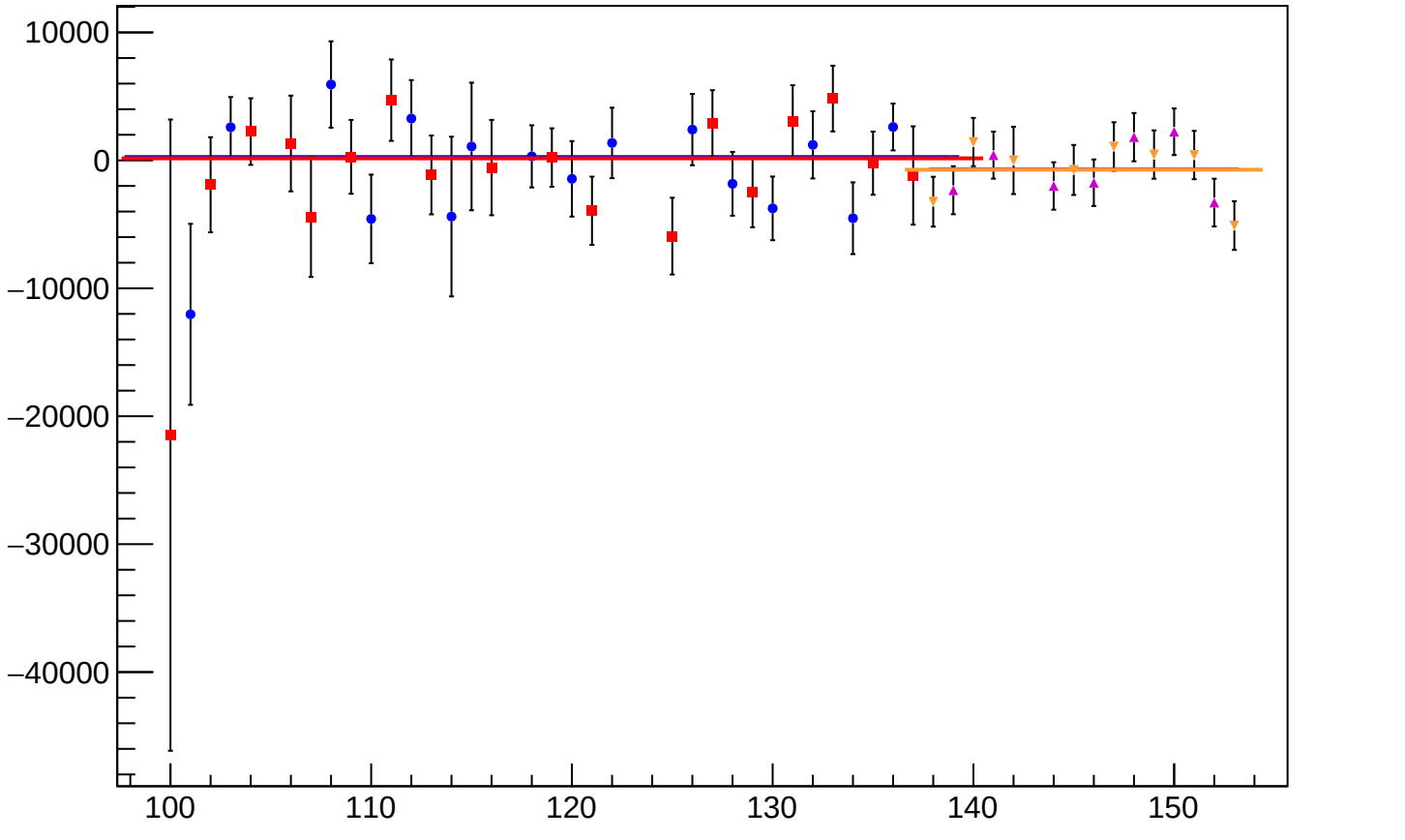
In: 102.551+/-0.022 χ^2/NDF:2866374.3/22

Out: 100.906+/-0.023 χ^2/NDF:4013096.3/25

All: 101.736+/-0.016 χ^2/NDF: 6882157.9/48


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 12.9/15
Left Out: -0.000+/-0.000 χ²/NDF:5.4/7
Right Out: 0.000+/-0.000 χ²/NDF: 8.7/17
Left In: 0.000+/-0.000 χ²/NDF:14.7/6
Left: -0.000+/-0.000 χ²/NDF: 21.0/14
Right: 0.000+/-0.000 χ²/NDF: 21.6/33
In: 0.000+/-0.000 χ²/NDF:27.6/22
Out: -0.000+/-0.000 χ²/NDF:14.8/25
All: -0.000+/-0.000 χ²/NDF: 43.1/48


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1759038.1/15
Left Out: 0.000+/-0.000 χ²/NDF:889816.4/7
Right Out: 0.000+/-0.000 χ²/NDF: 2202319.8/17
Left In: 0.000+/-0.000 χ²/NDF:602317.4/6
Left: 0.000+/-0.000 χ²/NDF: 1605128.8/14
Right: 0.000+/-0.000 χ²/NDF: 3975413.5/33
In: 0.000+/-0.000 χ²/NDF:2629382.6/22
Out: 0.000+/-0.000 χ²/NDF:3877804.6/25
All: 0.000+/-0.000 χ²/NDF: 6621205.7/48



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -731.243+/-696.105 χ^2/NDF:10.0/7

Right Out: 159.330+/-712.314 χ^2/NDF: 18.1/17

Left In: -693.095+/-699.685 χ^2/NDF:8.3/6

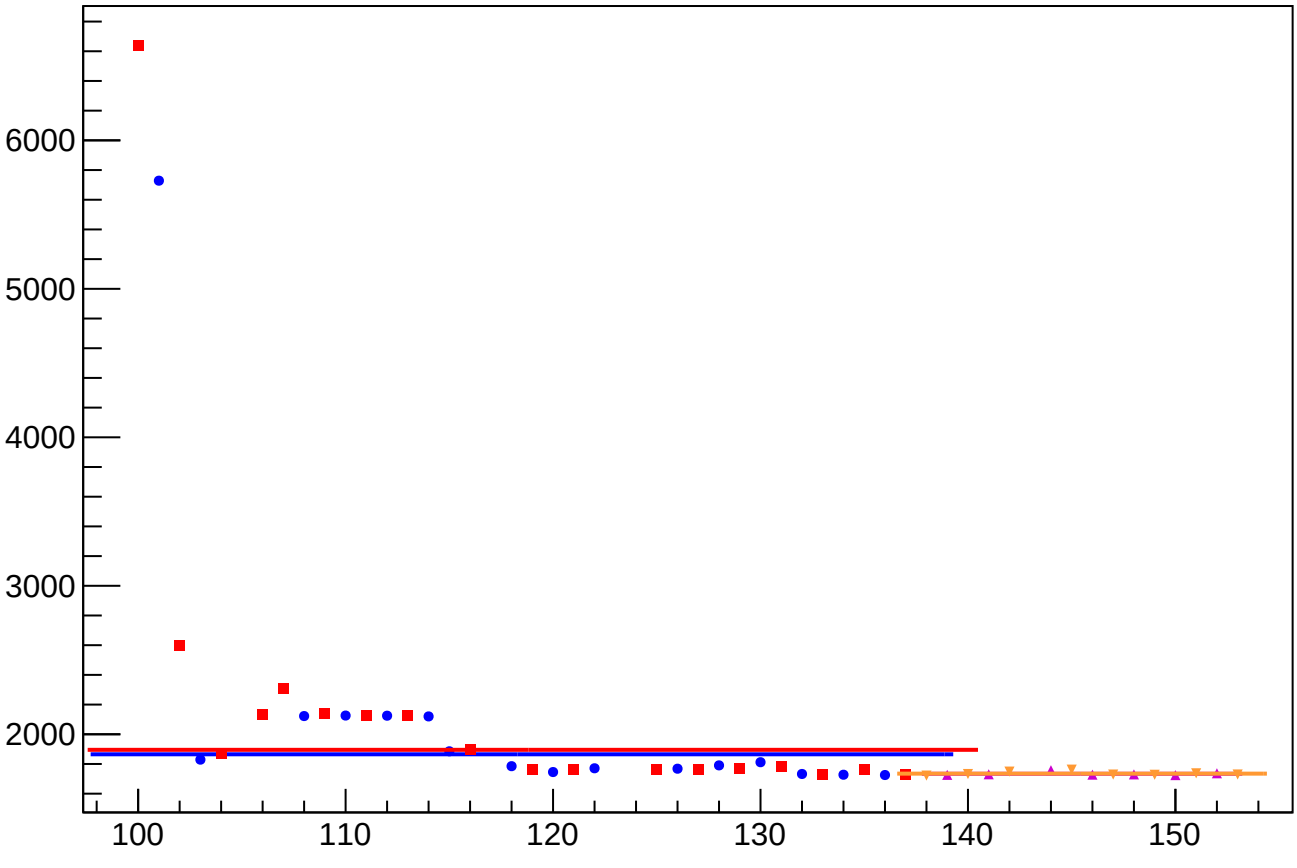
Left: -712.267+/-493.481 χ^2/NDF: 18.2/14

Right: 209.600+/-502.755 χ^2/NDF: 37.5/33

In: -223.565+/-498.255 χ^2/NDF:28.6/22

Out: -296.205+/-497.852 χ^2/NDF:28.9/25

All: -259.914+/-352.177 χ^2/NDF: 57.5/48



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1734.896+/-0.492 χ^2/NDF:602.8/7

Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1733.665+/-0.495 χ^2/NDF:455.9/6

Left: 1734.283+/-0.349 χ^2/NDF: 1061.8/14

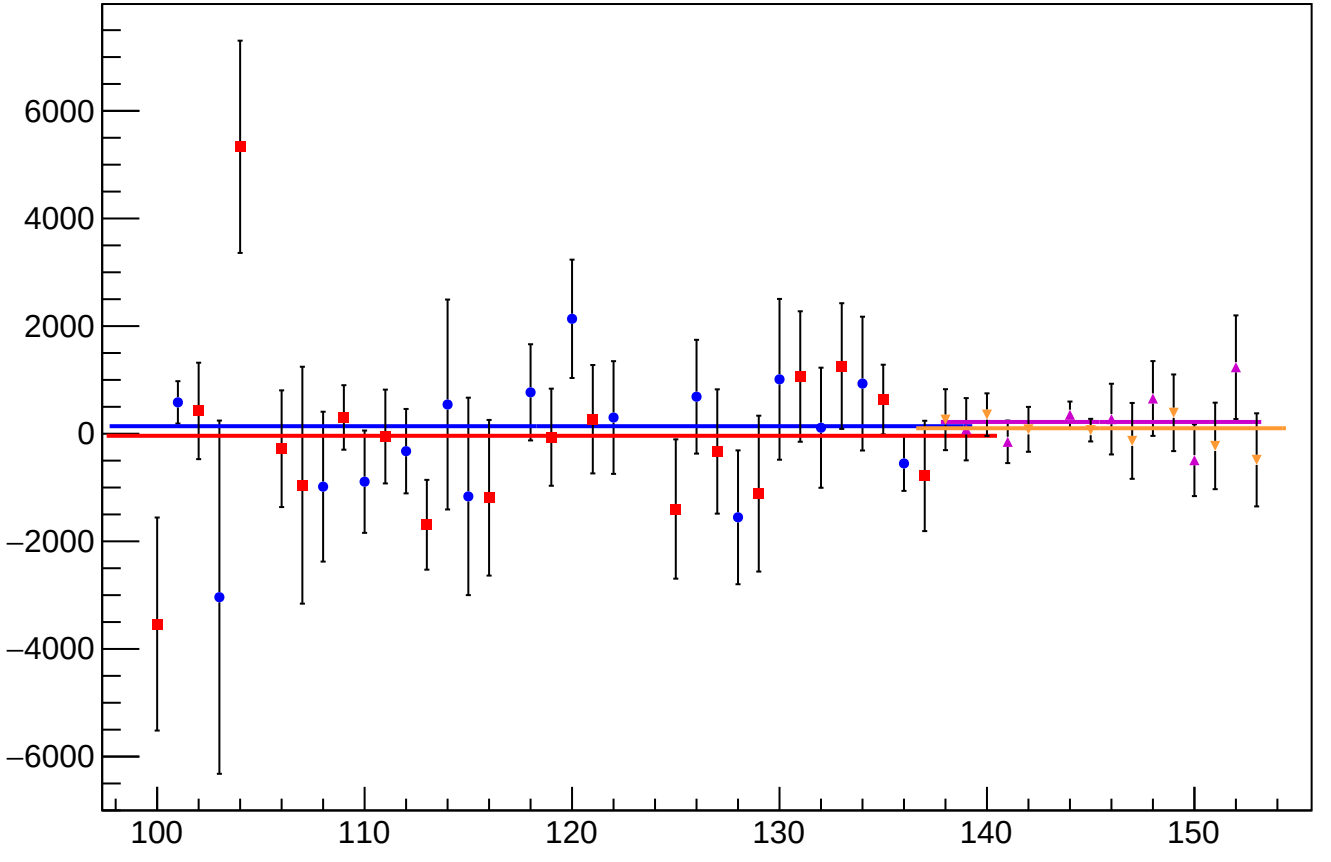
Right: 1880.155+/-0.356 χ^2/NDF: 925321.0/33

In: 1798.483+/-0.352 χ^2/NDF:708003.8/22

Out: 1813.228+/-0.352 χ^2/NDF:303253.2/25

All: 1805.861+/-0.249 χ^2/NDF: 1012133.4/48

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 101.693+/-149.389 χ^2/NDF:1.4/7

Right Out: -38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: 218.505+/-172.134 χ^2/NDF:3.9/6

Left: 151.877+/-112.824 χ^2/NDF: 5.6/14

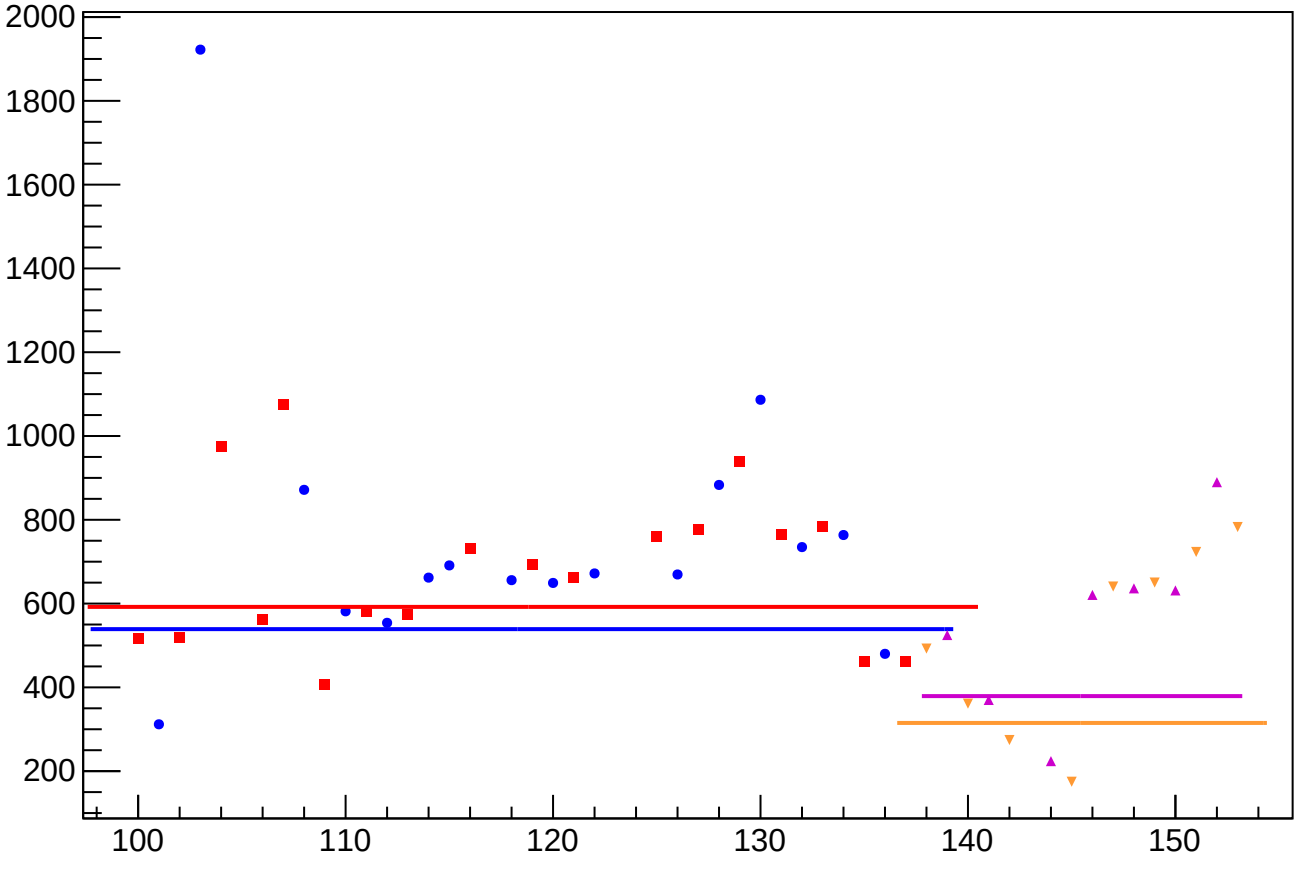
Right: 57.640+/-161.672 χ^2/NDF: 35.2/33

In: 188.635+/-135.592 χ^2/NDF:17.4/22

Out: 62.094+/-126.566 χ^2/NDF:23.1/25

All: 121.013+/-92.522 χ^2/NDF: 40.9/48

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: 315.094+/-0.106 χ^2/NDF:3106000.3/7

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

Left In: 379.151+/-0.122 χ^2/NDF:2322793.2/6

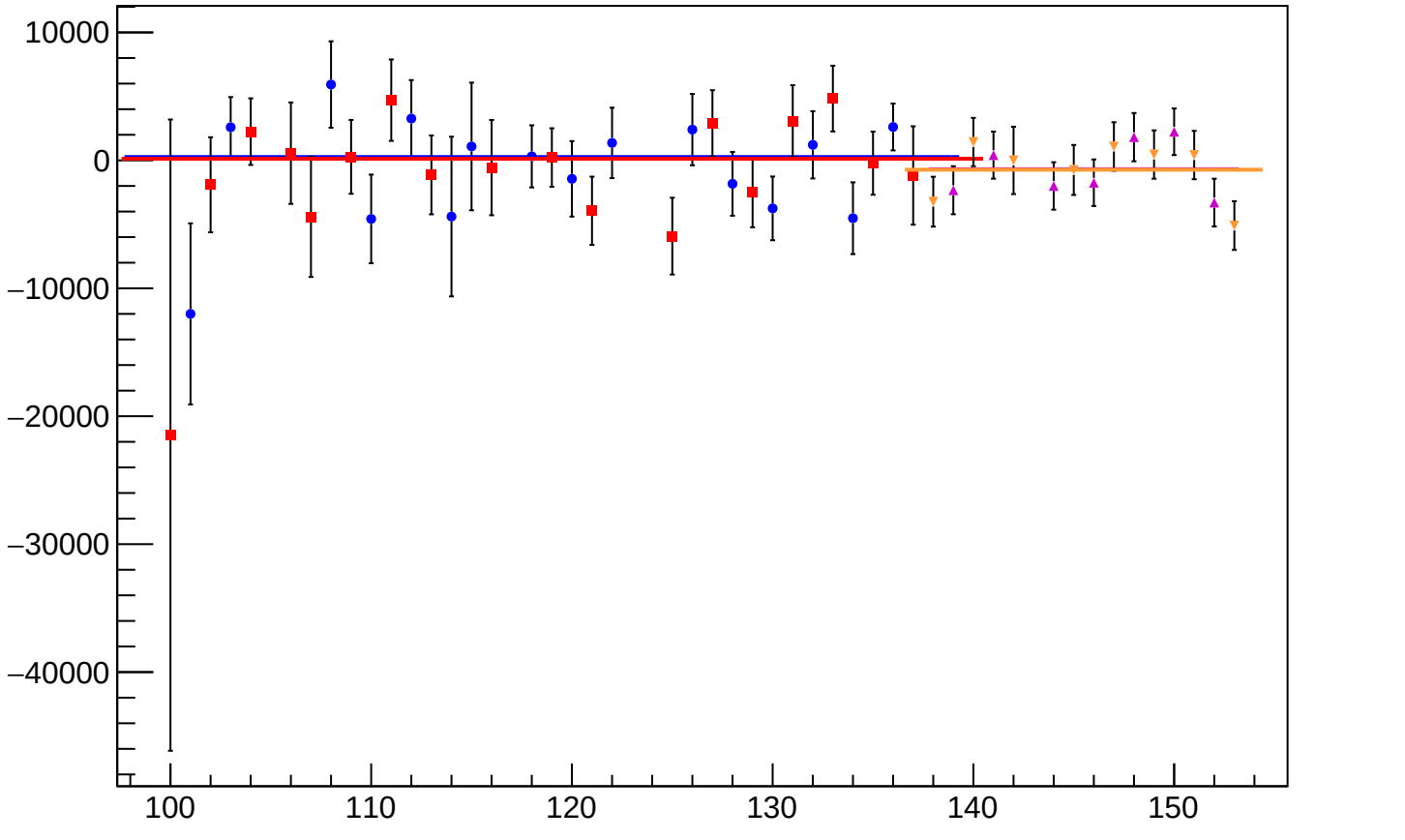
Left: 342.614+/-0.080 χ^2/NDF: 5586773.1/14

Right: 563.459+/-0.114 χ^2/NDF: 2751212.3/33

In: 439.822+/-0.096 χ^2/NDF:4832050.9/22

Out: 393.266+/-0.089 χ^2/NDF:5889665.1/25

All: 414.943+/-0.065 χ^2/NDF: 10847714.8/48



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -731.125+/-696.105 χ^2/NDF:10.0/7

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: -693.241+/-699.685 χ^2/NDF:8.3/6

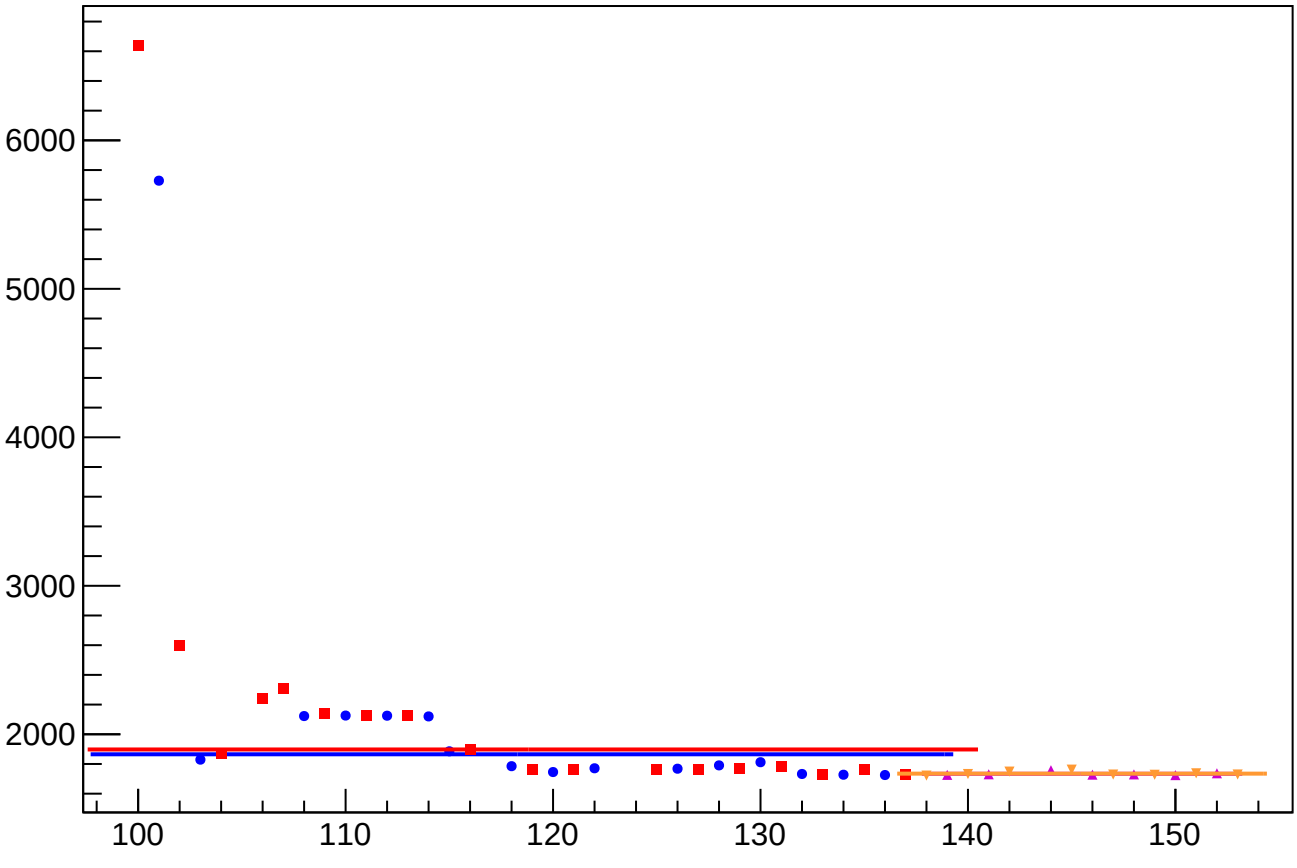
Left: -712.280+/-493.481 χ^2/NDF: 18.2/14

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: -223.546+/-498.255 χ^2/NDF:28.6/22

Out: -311.299+/-498.333 χ^2/NDF:28.7/25

All: -267.416+/-352.347 χ^2/NDF: 57.3/48



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1734.896+/-0.492 χ^2/NDF:602.8/7

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1733.665+/-0.495 χ^2/NDF:455.9/6

Left: 1734.283+/-0.349 χ^2/NDF: 1061.8/14

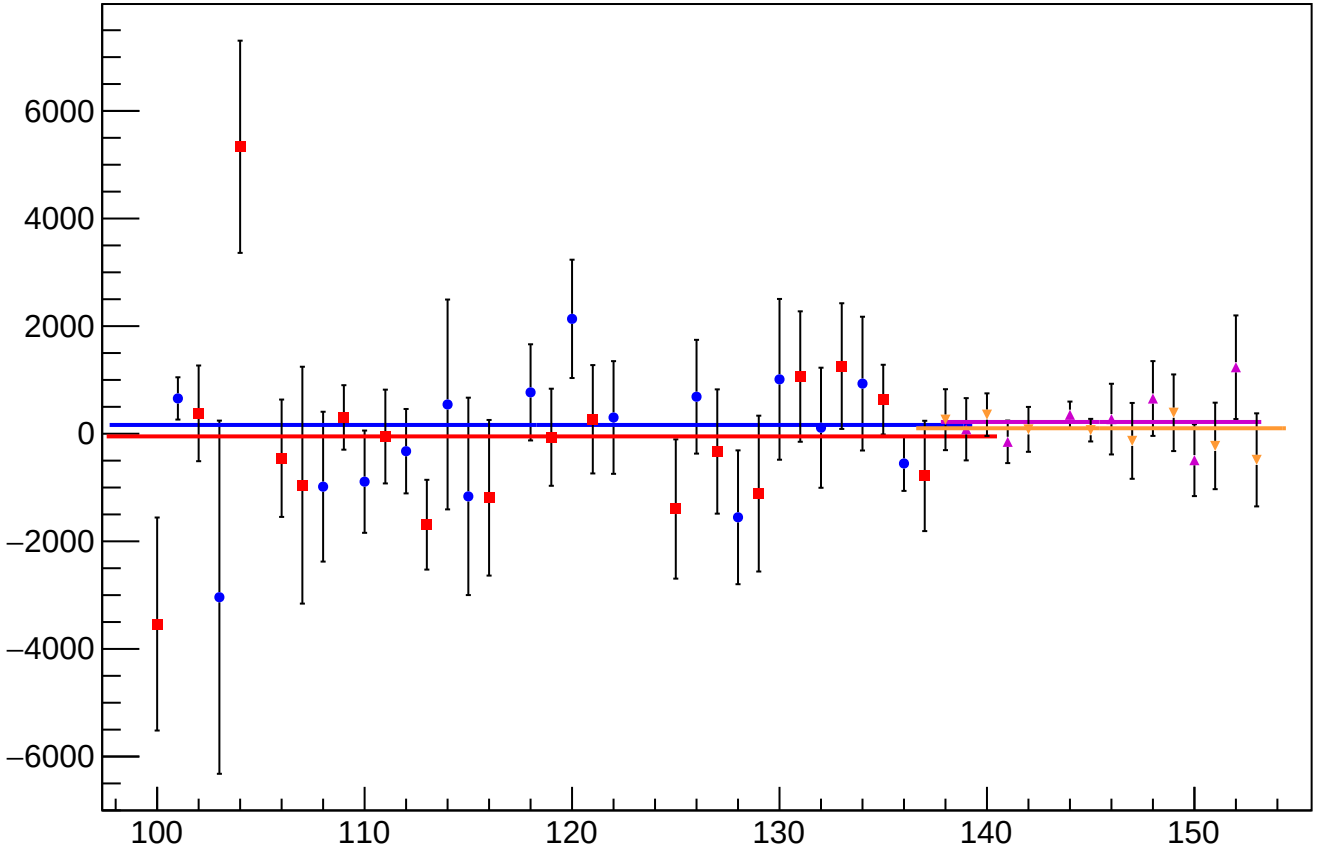
Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1798.483+/-0.352 χ^2/NDF:708003.6/22

Out: 1814.264+/-0.352 χ^2/NDF:311670.3/25

All: 1806.372+/-0.249 χ^2/NDF: 1020676.9/48

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: 101.568+/-149.392 χ^2/NDF:1.4/7

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 218.490+/-172.135 χ^2/NDF:3.9/6

Left: 151.800+/-112.826 χ^2/NDF: 5.6/14

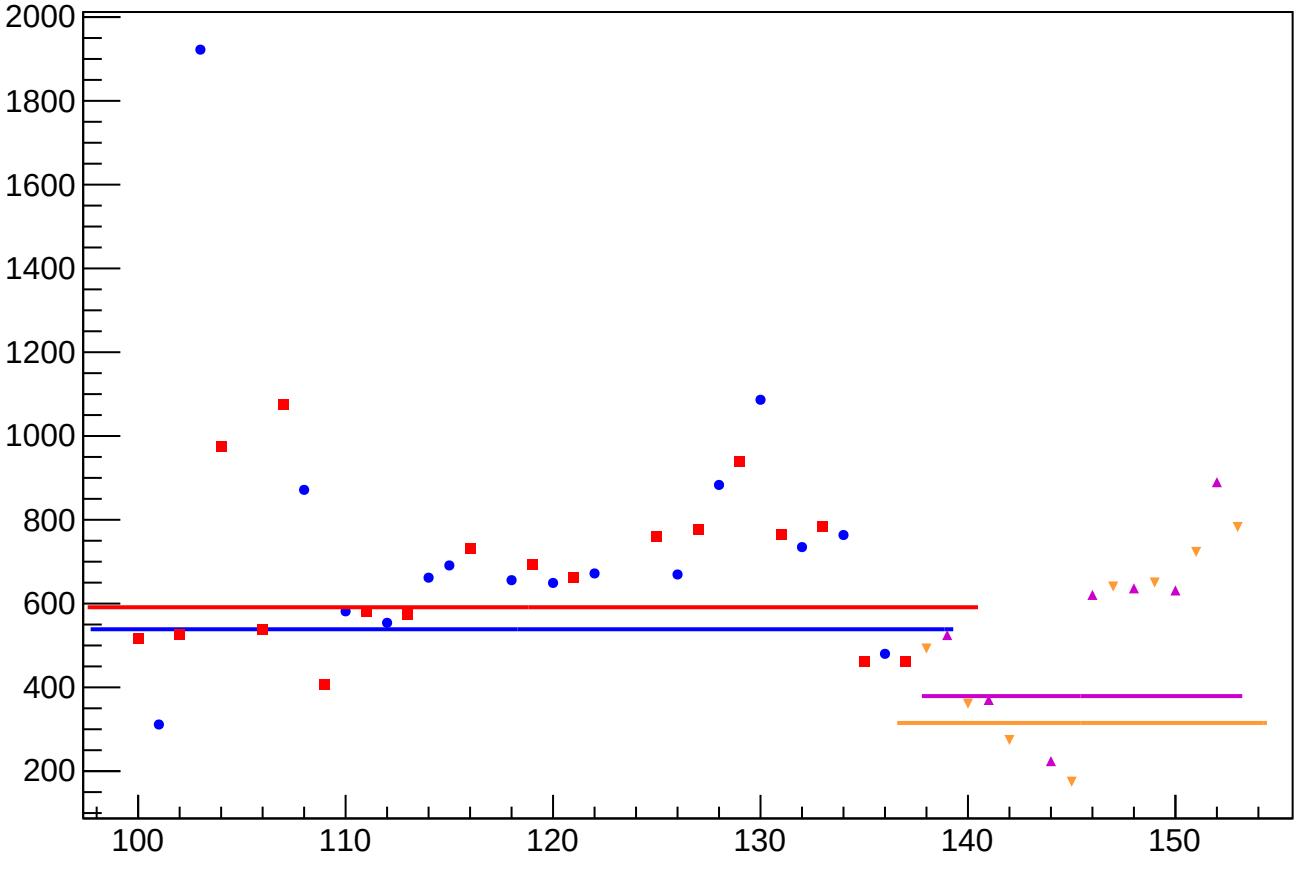
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 197.479+/-135.574 χ^2/NDF:17.8/22

Out: 58.888+/-126.560 χ^2/NDF:23.1/25

All: 123.423+/-92.514 χ^2/NDF: 41.5/48

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: 315.102+/-0.106 χ^2/NDF:3105953.1/7

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 379.160+/-0.122 χ^2/NDF:2322564.3/6

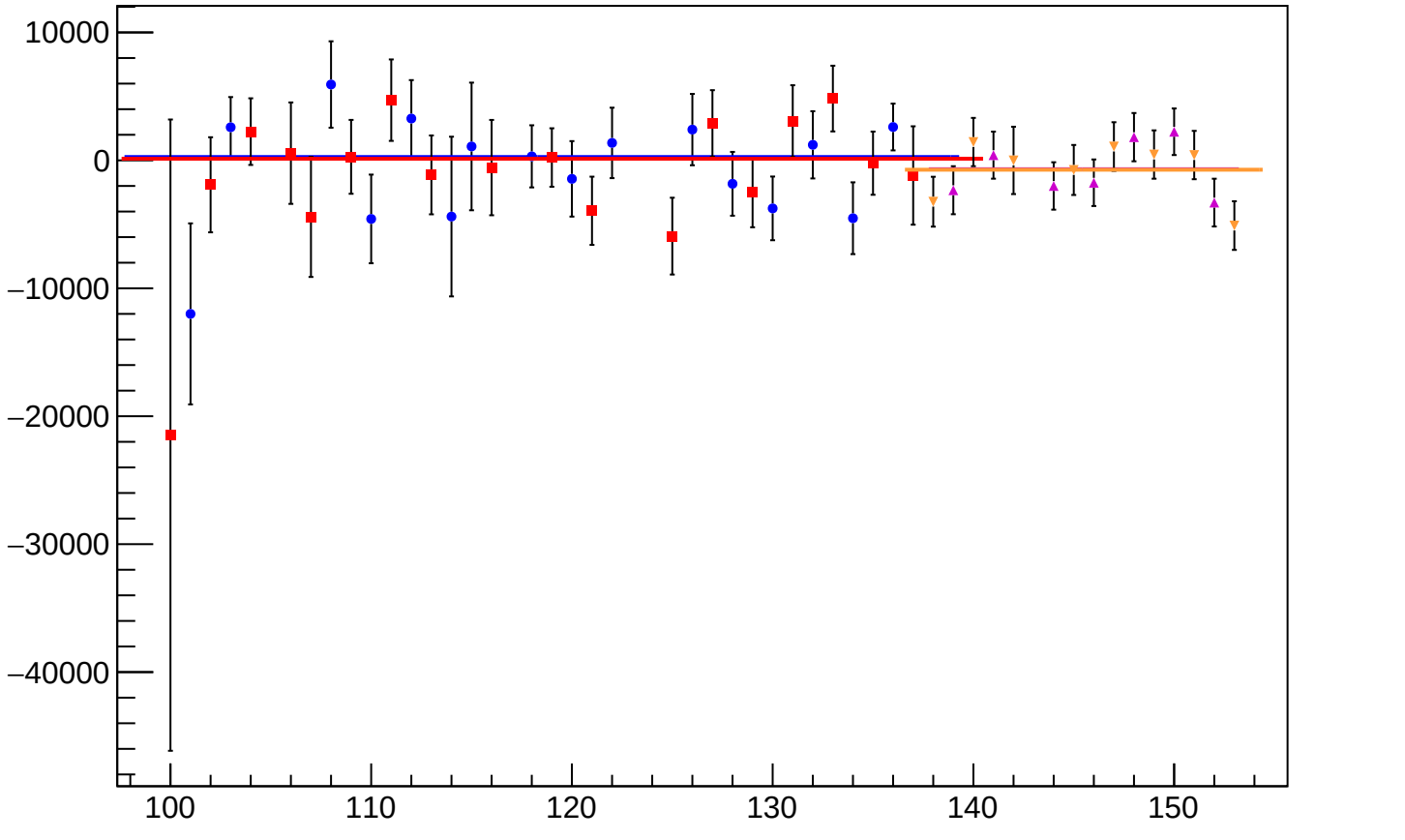
Left: 342.622+/-0.080 χ^2/NDF: 5586500.3/14

Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 439.735+/-0.096 χ^2/NDF:4833782.2/22

Out: 393.057+/-0.089 χ^2/NDF:5879581.5/25

All: 414.793+/-0.065 χ^2/NDF: 10840046.9/48



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -731.125+/-696.105 χ^2/NDF:10.0/7

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: -693.241+/-699.685 χ^2/NDF:8.3/6

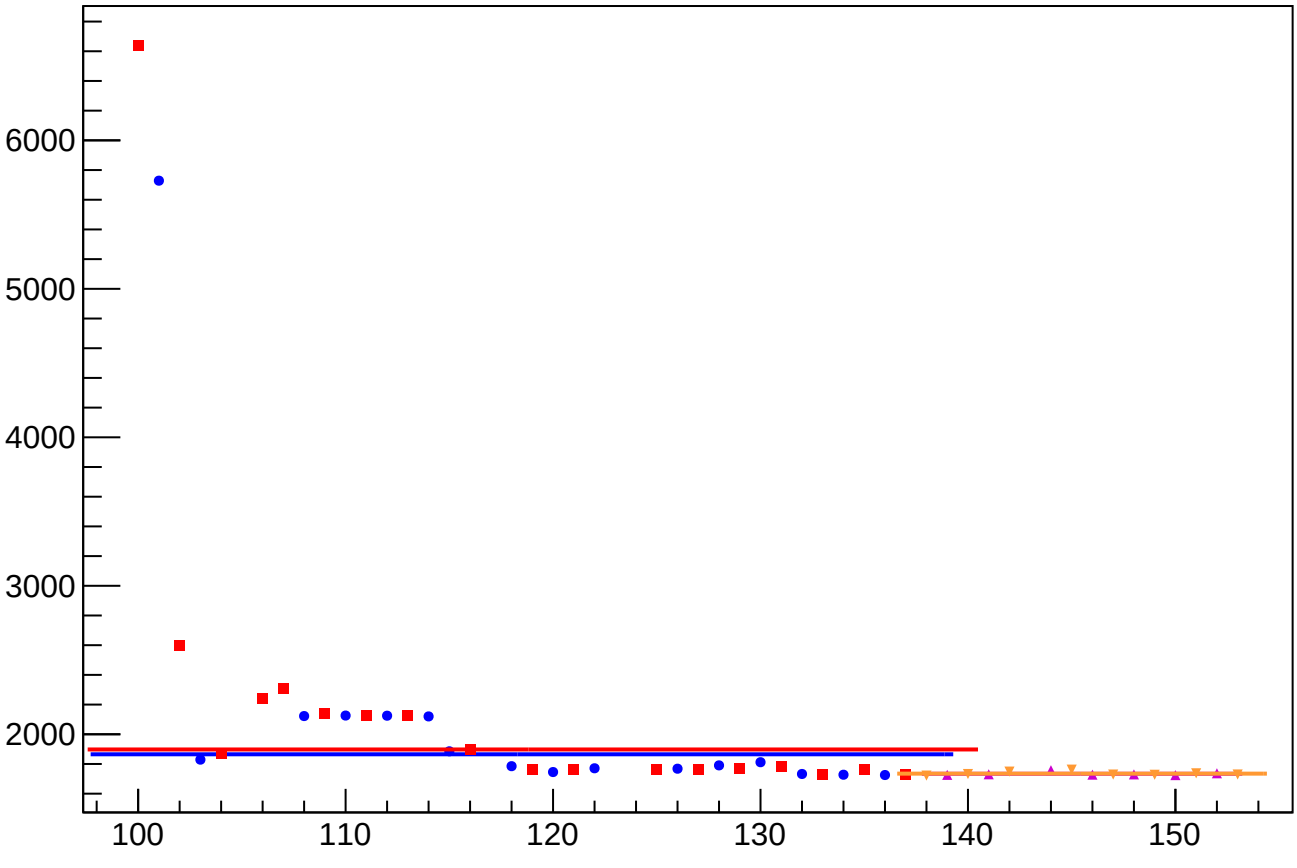
Left: -712.280+/-493.481 χ^2/NDF: 18.2/14

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: -223.546+/-498.255 χ^2/NDF:28.6/22

Out: -311.299+/-498.333 χ^2/NDF:28.7/25

All: -267.416+/-352.347 χ^2/NDF: 57.3/48



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1734.896+/-0.492 χ^2/NDF:602.8/7

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1733.665+/-0.495 χ^2/NDF:455.9/6

Left: 1734.283+/-0.349 χ^2/NDF: 1061.8/14

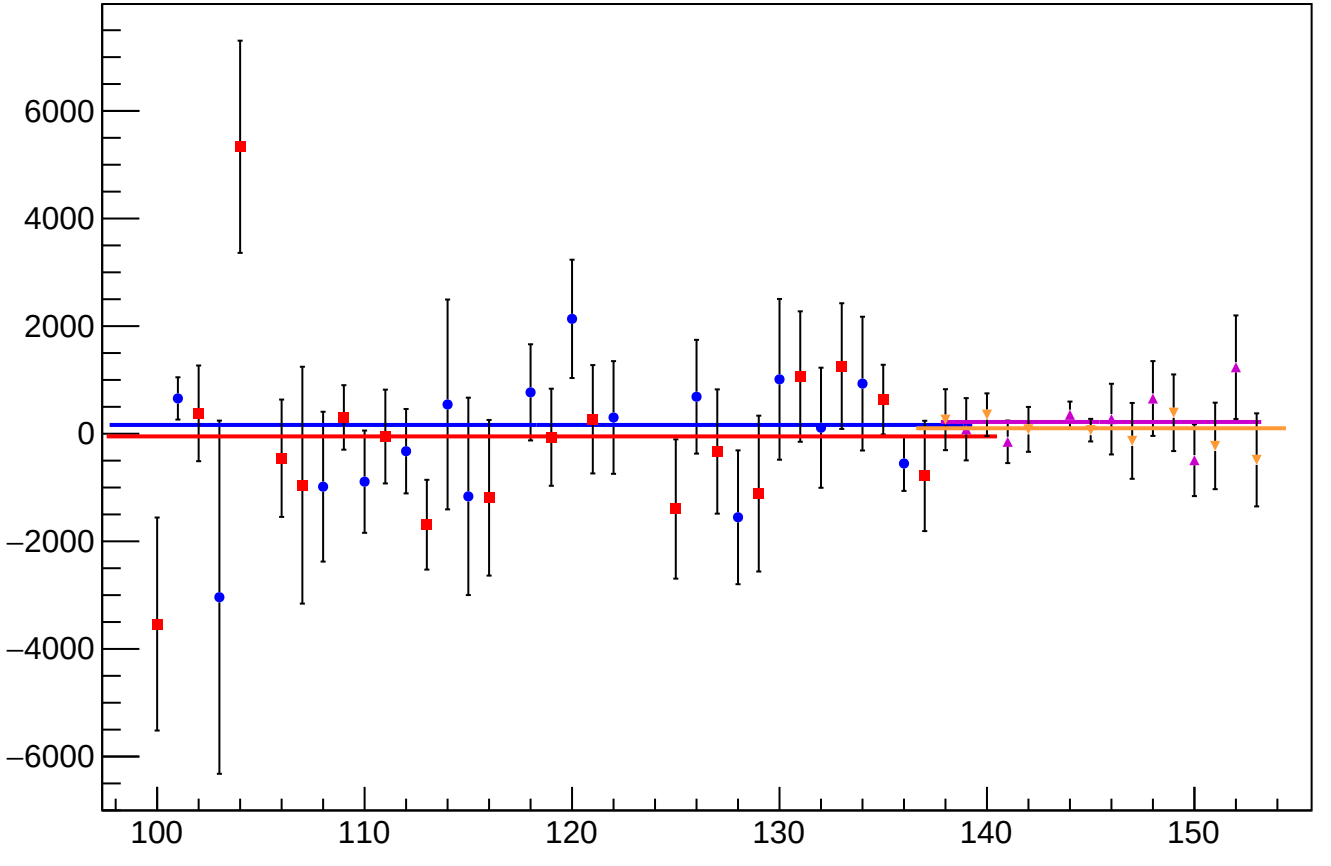
Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1798.483+/-0.352 χ^2/NDF:708003.6/22

Out: 1814.264+/-0.352 χ^2/NDF:311670.3/25

All: 1806.372+/-0.249 χ^2/NDF: 1020676.9/48

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 101.568+/-149.392 χ^2/NDF:1.4/7

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 218.490+/-172.135 χ^2/NDF:3.9/6

Left: 151.800+/-112.826 χ^2/NDF: 5.6/14

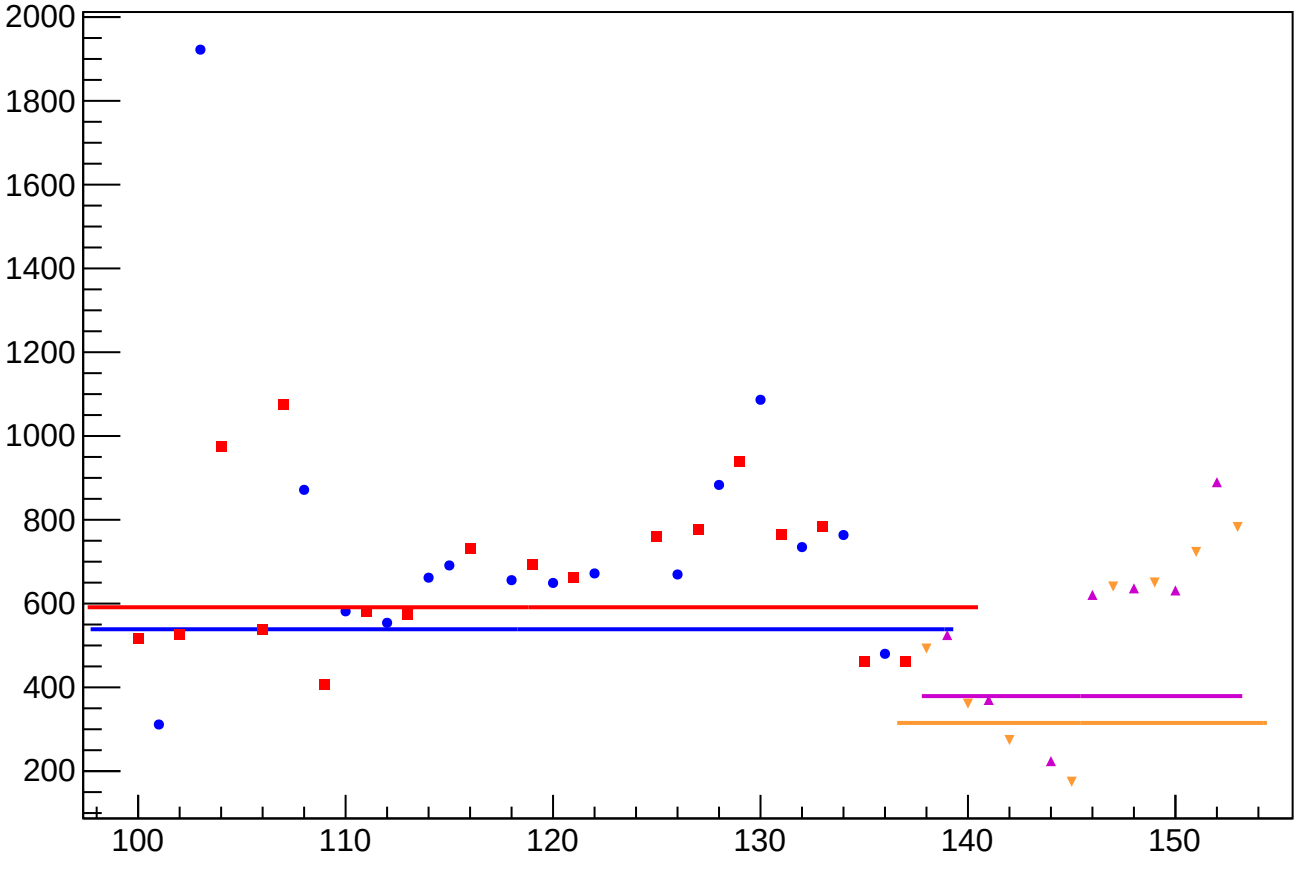
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 197.479+/-135.574 χ^2/NDF:17.8/22

Out: 58.888+/-126.560 χ^2/NDF:23.1/25

All: 123.423+/-92.514 χ^2/NDF: 41.5/48

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: 315.102+/-0.106 χ^2/NDF:3105953.1/7

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 379.160+/-0.122 χ^2/NDF:2322564.3/6

Left: 342.622+/-0.080 χ^2/NDF: 5586500.3/14

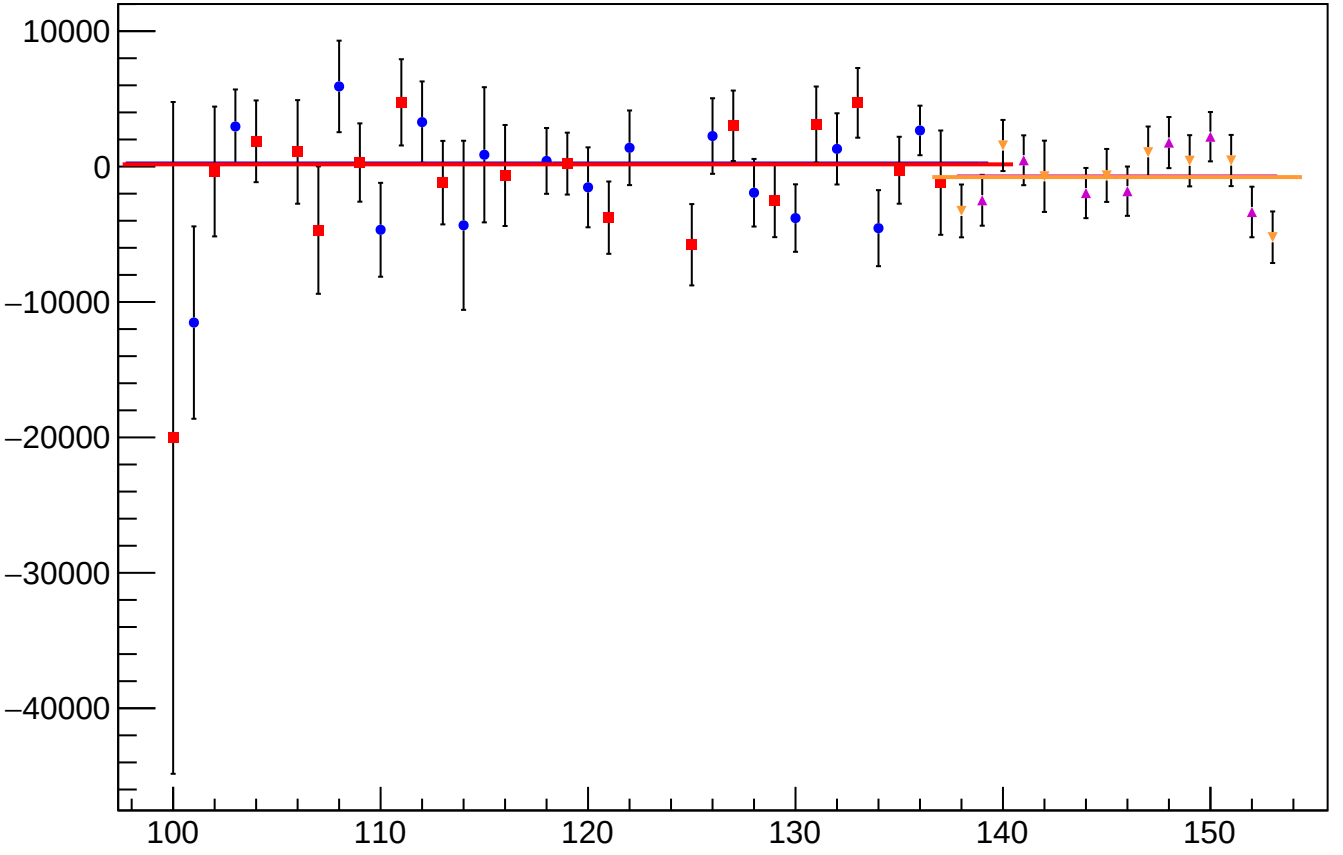
Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 439.735+/-0.096 χ^2/NDF:4833782.2/22

Out: 393.057+/-0.089 χ^2/NDF:5879581.5/25

All: 414.793+/-0.065 χ^2/NDF: 10840046.9/48

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -776.586+/-696.483 χ^2/NDF:10.4/7

Right Out: 163.711+/-725.798 χ^2/NDF: 17.0/17

Left In: -727.813+/-700.096 χ^2/NDF:8.4/6

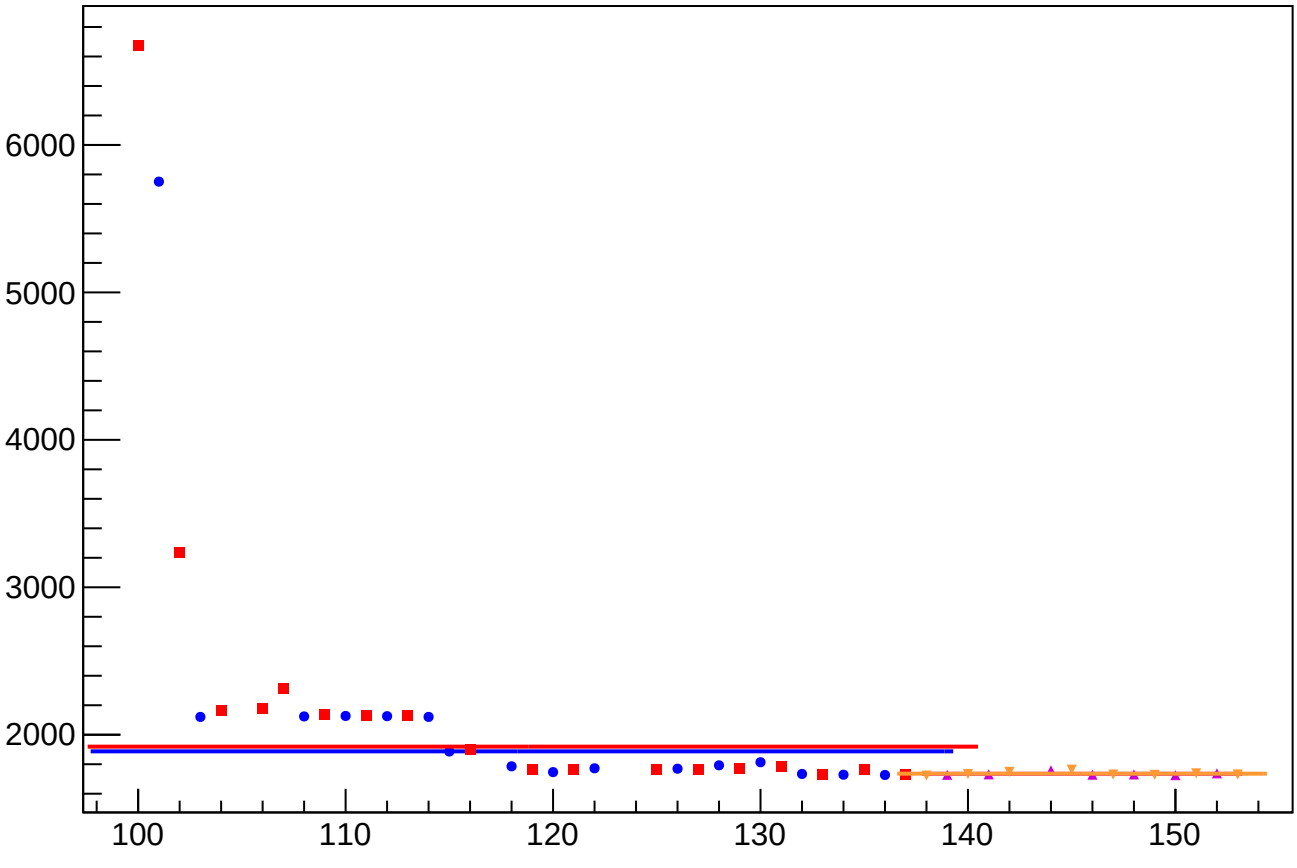
Left: -752.326+/-493.761 χ^2/NDF: 18.8/14

Right: 195.282+/-510.637 χ^2/NDF: 36.4/33

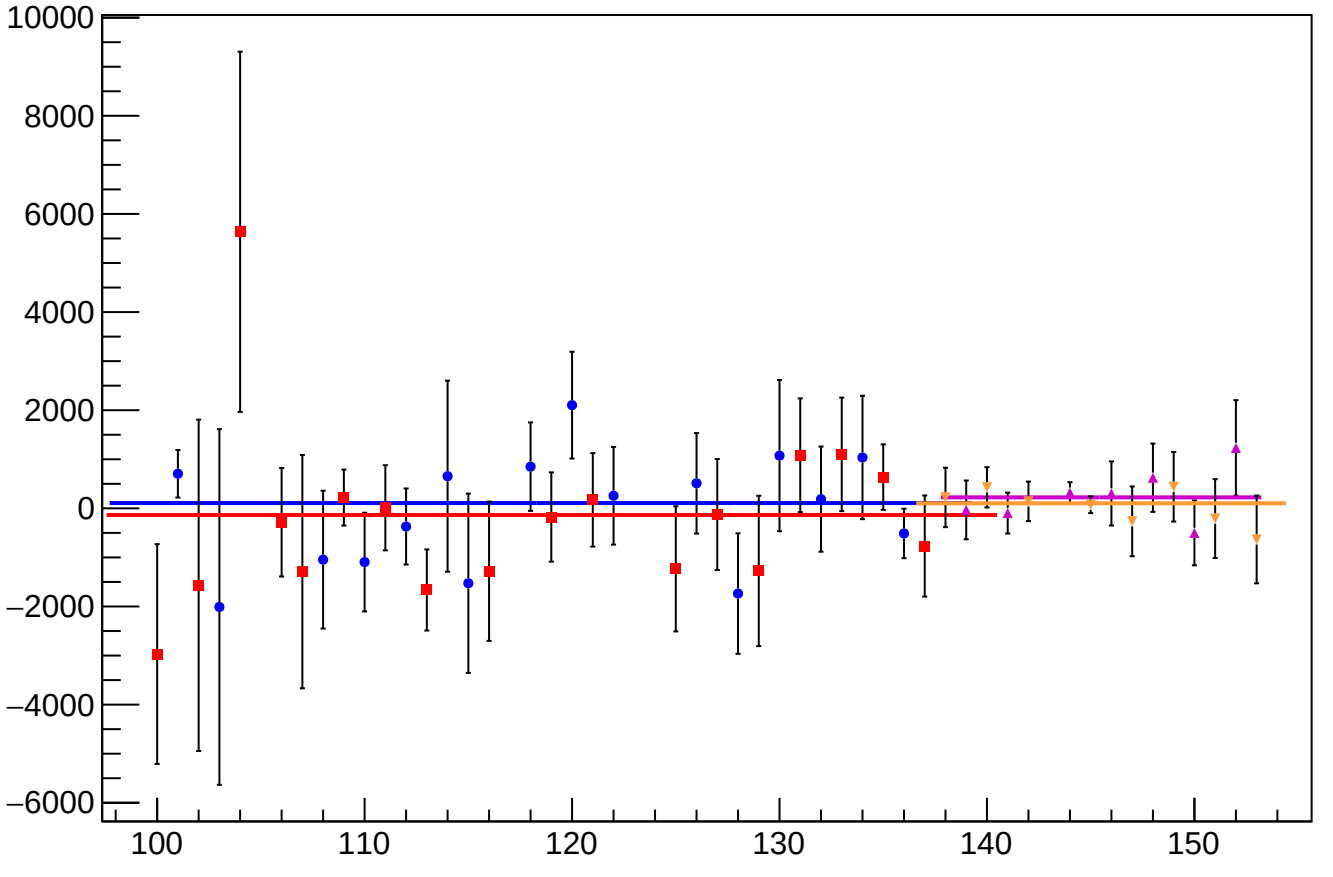
In: -263.205+/-501.442 χ^2/NDF:28.7/22

Out: -325.810+/-502.532 χ^2/NDF:28.3/25

All: -294.439+/-354.958 χ^2/NDF: 57.0/48


dit_asym_us_avg_at1lr_avg_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
Right In: 1887.310+/-0.508 χ²/NDF: 689442.6/15
Left Out: 1735.838+/-0.492 χ²/NDF:598.7/7
Right Out: 1919.164+/-0.513 χ²/NDF: 352567.1/17
Left In: 1734.681+/-0.495 χ²/NDF:448.0/6
Left: 1735.262+/-0.349 χ²/NDF: 1049.4/14
Right: 1903.077+/-0.361 χ²/NDF: 1043955.3/33
In: 1809.010+/-0.355 χ²/NDF:736182.8/22
Out: 1823.724+/-0.355 χ²/NDF:419594.5/25
All: 1816.351+/-0.251 χ²/NDF: 1156636.5/48

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: 103.304+/-133.535 χ^2/NDF:2.0/7

Right Out: -135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: 224.373+/-161.153 χ^2/NDF:3.6/6

Left: 152.591+/-102.822 χ^2/NDF: 6.0/14

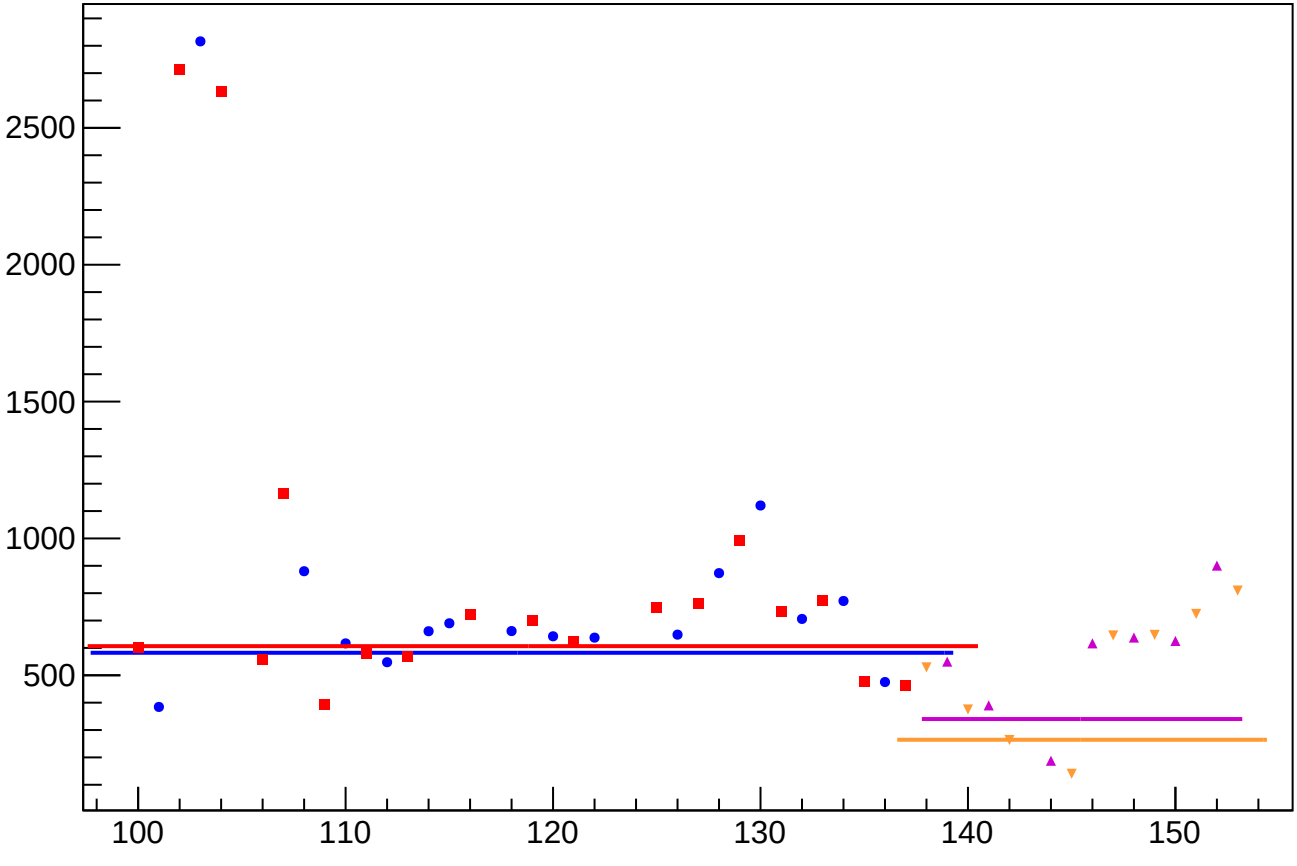
Right: -6.369+/-168.648 χ^2/NDF: 29.0/33

In: 186.477+/-132.301 χ^2/NDF:17.9/22

Out: 48.962+/-117.352 χ^2/NDF:17.1/25

All: 109.515+/-87.792 χ^2/NDF: 35.6/48

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 264.480+/-0.094 χ^2/NDF:4148415.5/7

Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 340.202+/-0.114 χ^2/NDF:3065993.6/6

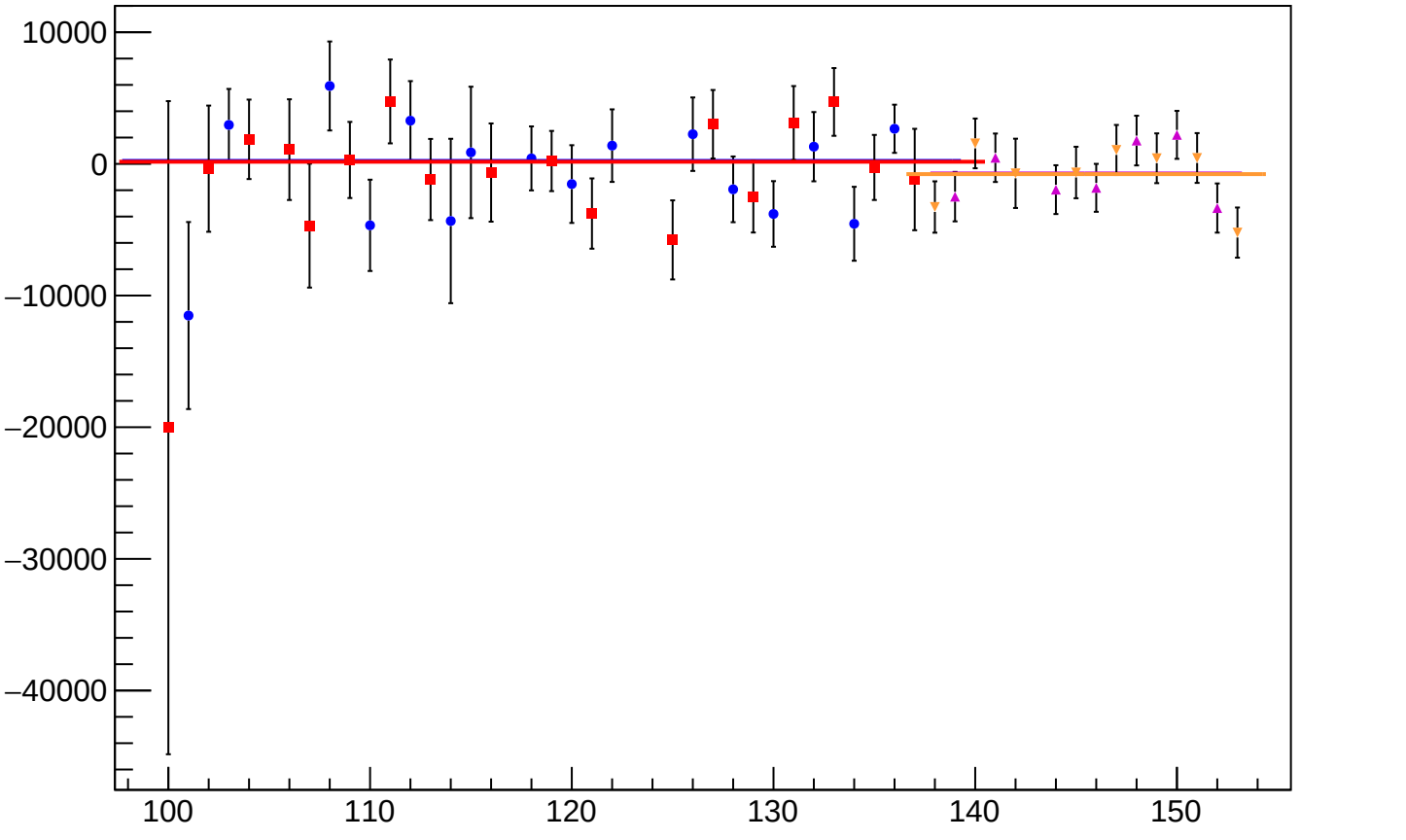
Left: 295.307+/-0.073 χ^2/NDF: 7476216.9/14

Right: 593.641+/-0.119 χ^2/NDF: 3962943.2/33

In: 419.119+/-0.094 χ^2/NDF:6291468.2/22

Out: 342.344+/-0.083 χ^2/NDF:9333319.7/25

All: 376.151+/-0.062 χ^2/NDF: 16001726.8/48



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -776.589+/-696.483 χ^2/NDF:10.4/7

Right Out: 163.711+/-725.798 χ^2/NDF: 17.0/17

Left In: -727.811+/-700.097 χ^2/NDF:8.4/6

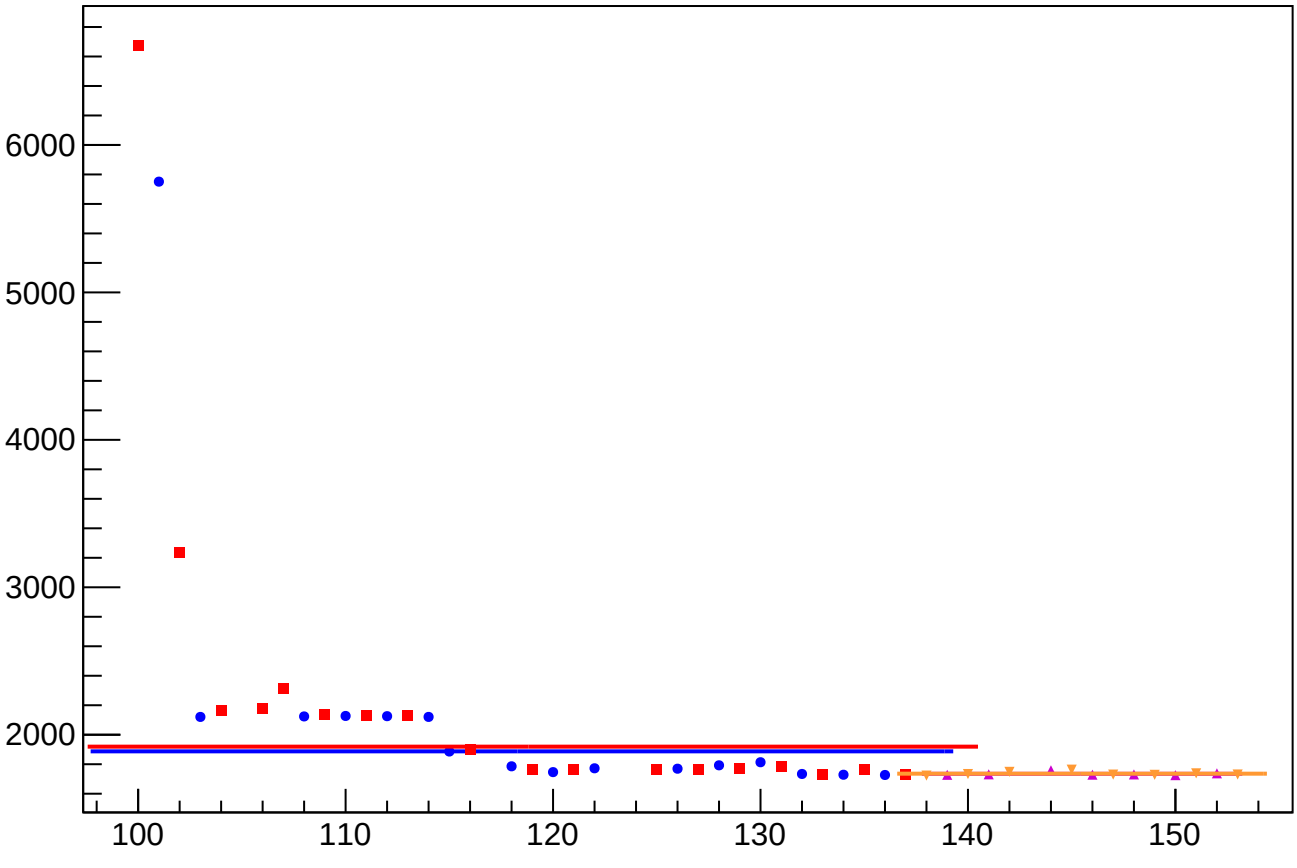
Left: -752.326+/-493.761 χ^2/NDF: 18.8/14

Right: 195.283+/-510.637 χ^2/NDF: 36.4/33

In: -263.204+/-501.442 χ^2/NDF:28.7/22

Out: -325.811+/-502.532 χ^2/NDF:28.3/25

All: -294.440+/-354.958 χ^2/NDF: 57.0/48



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.4/15

Left Out: 1735.838+/-0.492 χ^2/NDF:598.7/7

Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1734.681+/-0.495 χ^2/NDF:448.0/6

Left: 1735.262+/-0.349 χ^2/NDF: 1049.4/14

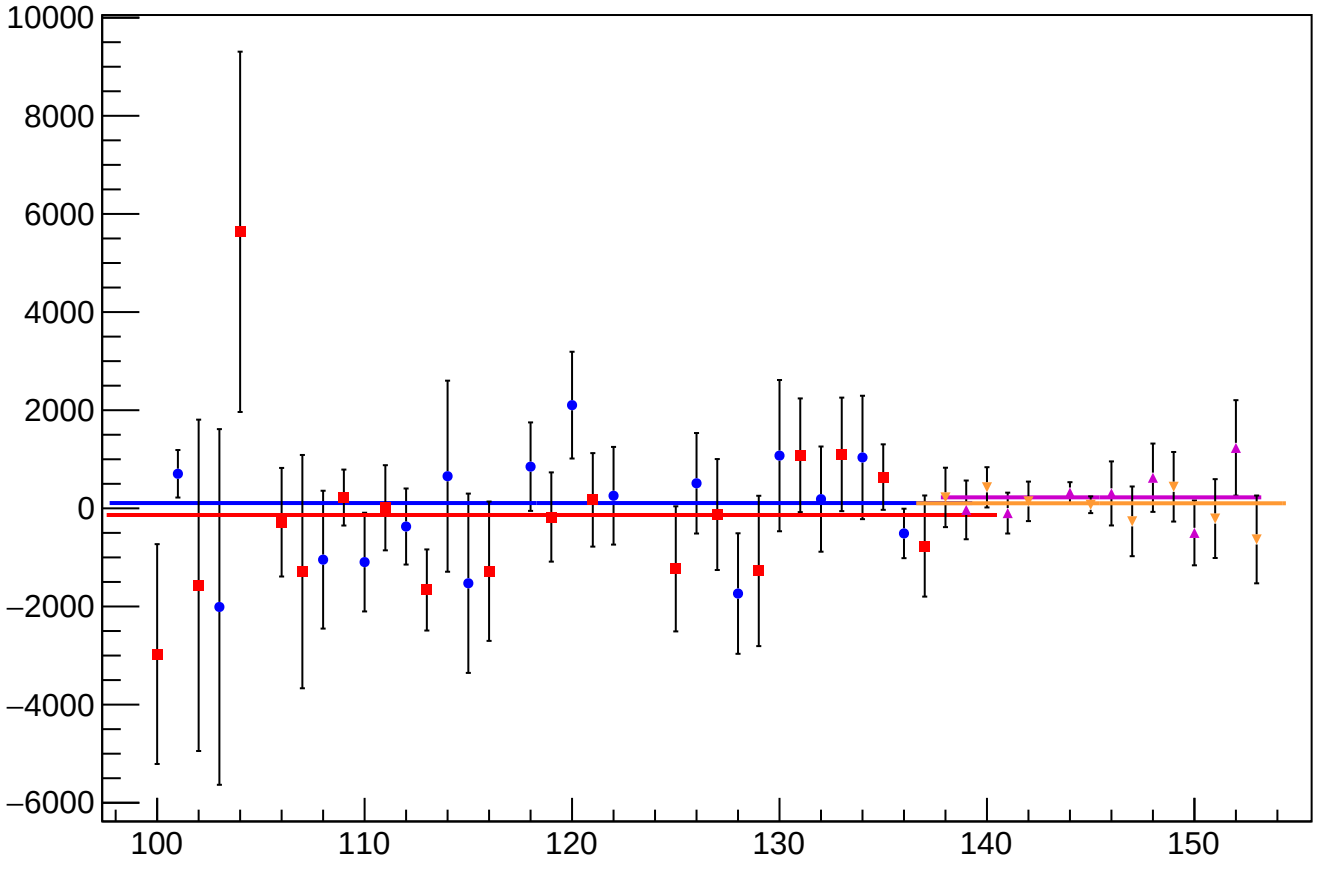
Right: 1903.077+/-0.361 χ^2/NDF: 1043954.3/33

In: 1809.010+/-0.355 χ^2/NDF:736182.5/22

Out: 1823.724+/-0.355 χ^2/NDF:419593.7/25

All: 1816.351+/-0.251 χ^2/NDF: 1156635.3/48

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: 103.302+/-133.536 χ^2/NDF:2.0/7

Right Out: -135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: 224.373+/-161.153 χ^2/NDF:3.6/6

Left: 152.590+/-102.822 χ^2/NDF: 6.0/14

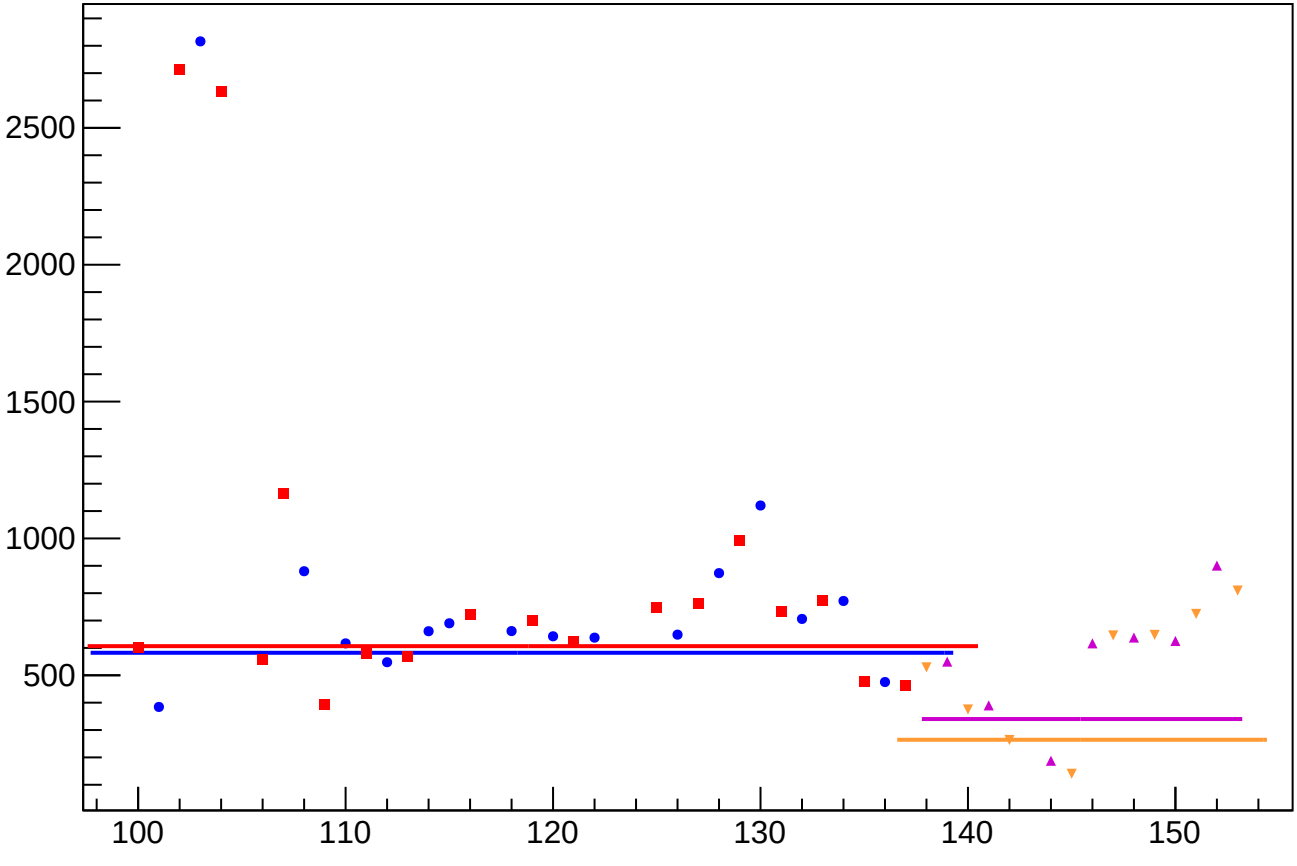
Right: -6.371+/-168.647 χ^2/NDF: 29.0/33

In: 186.476+/-132.301 χ^2/NDF:17.9/22

Out: 48.961+/-117.352 χ^2/NDF:17.1/25

All: 109.514+/-87.792 χ^2/NDF: 35.6/48

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: 264.480+/-0.094 χ^2/NDF:4148434.8/7

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

Left In: 340.203+/-0.114 χ^2/NDF:3066003.8/6

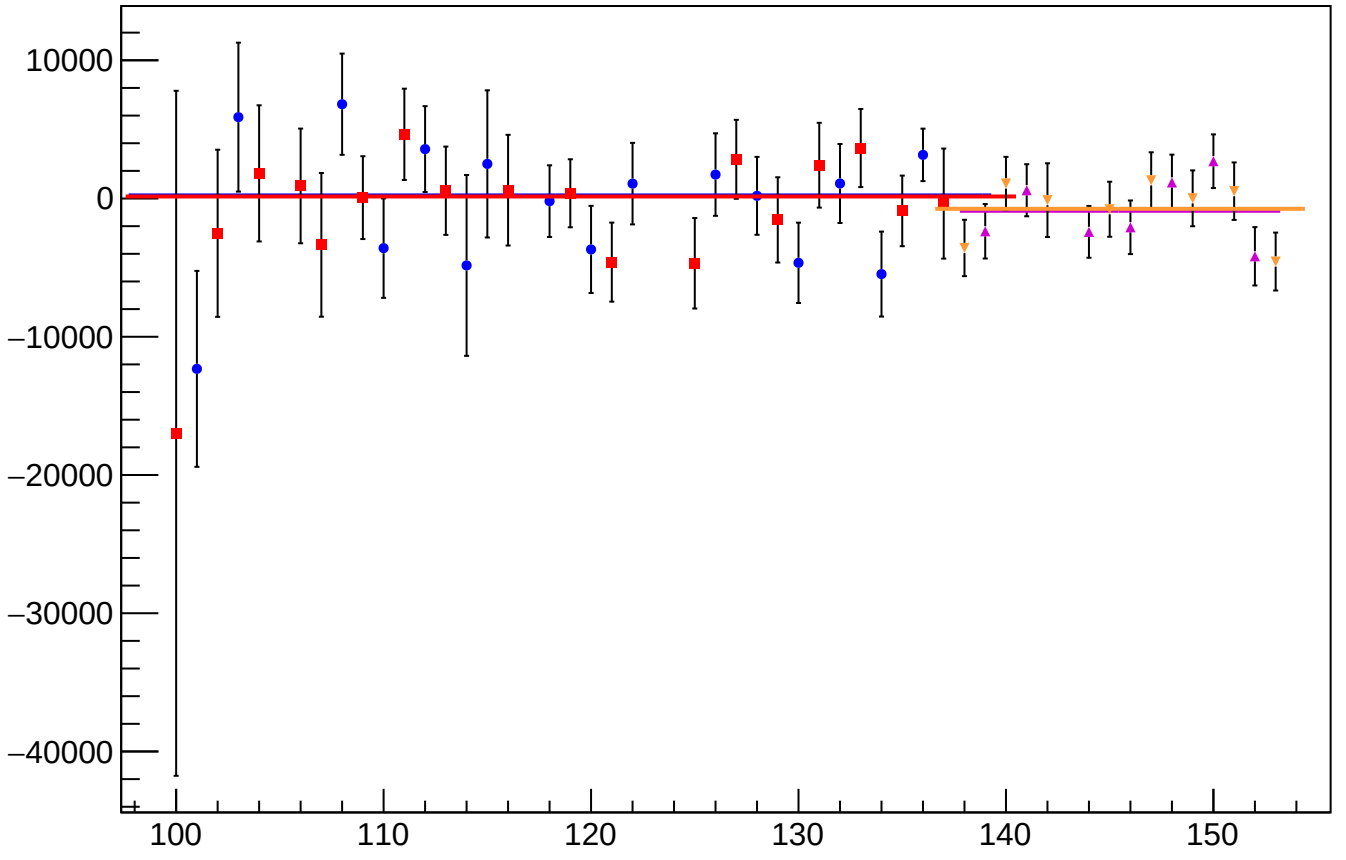
Left: 295.307+/-0.073 χ^2/NDF: 7476248.8/14

Right: 593.638+/-0.119 χ^2/NDF: 3962944.4/33

In: 419.120+/-0.094 χ^2/NDF:6291446.1/22

Out: 342.344+/-0.083 χ^2/NDF:9333314.9/25

All: 376.151+/-0.062 χ^2/NDF: 16001704.2/48



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -742.669+/-735.326 χ^2/NDF:7.8/7

Right Out: 147.974+/-794.180 χ^2/NDF: 11.6/17

Left In: -884.633+/-739.747 χ^2/NDF:9.1/6

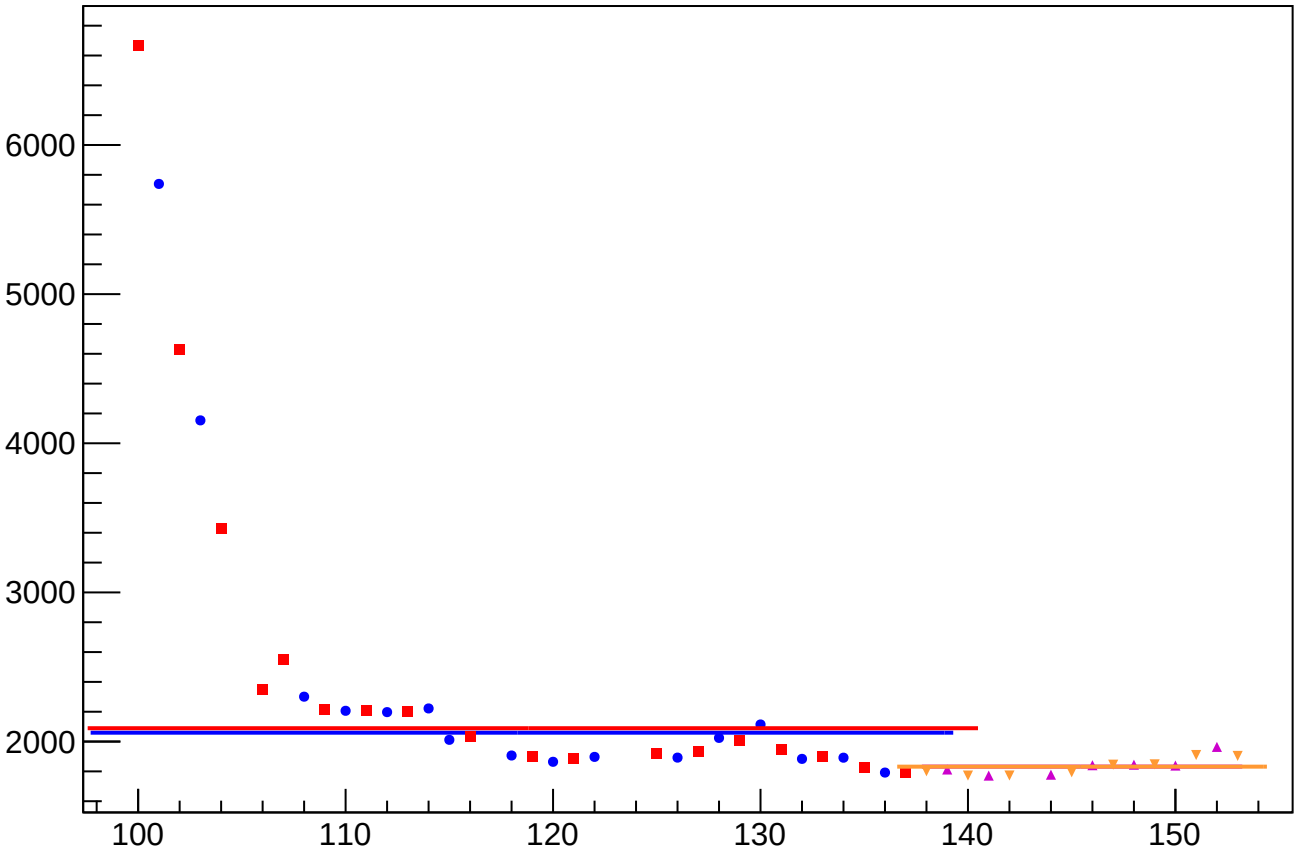
Left: -813.226+/-521.510 χ^2/NDF: 16.9/14

Right: 186.369+/-560.683 χ^2/NDF: 32.7/33

In: -367.624+/-540.507 χ^2/NDF:31.3/22

Out: -331.568+/-539.562 χ^2/NDF:20.0/25

All: -349.564+/-381.862 χ^2/NDF: 51.3/48



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1831.770+/-0.520 χ^2/NDF:9470.9/7

Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1831.955+/-0.523 χ^2/NDF:11920.3/6

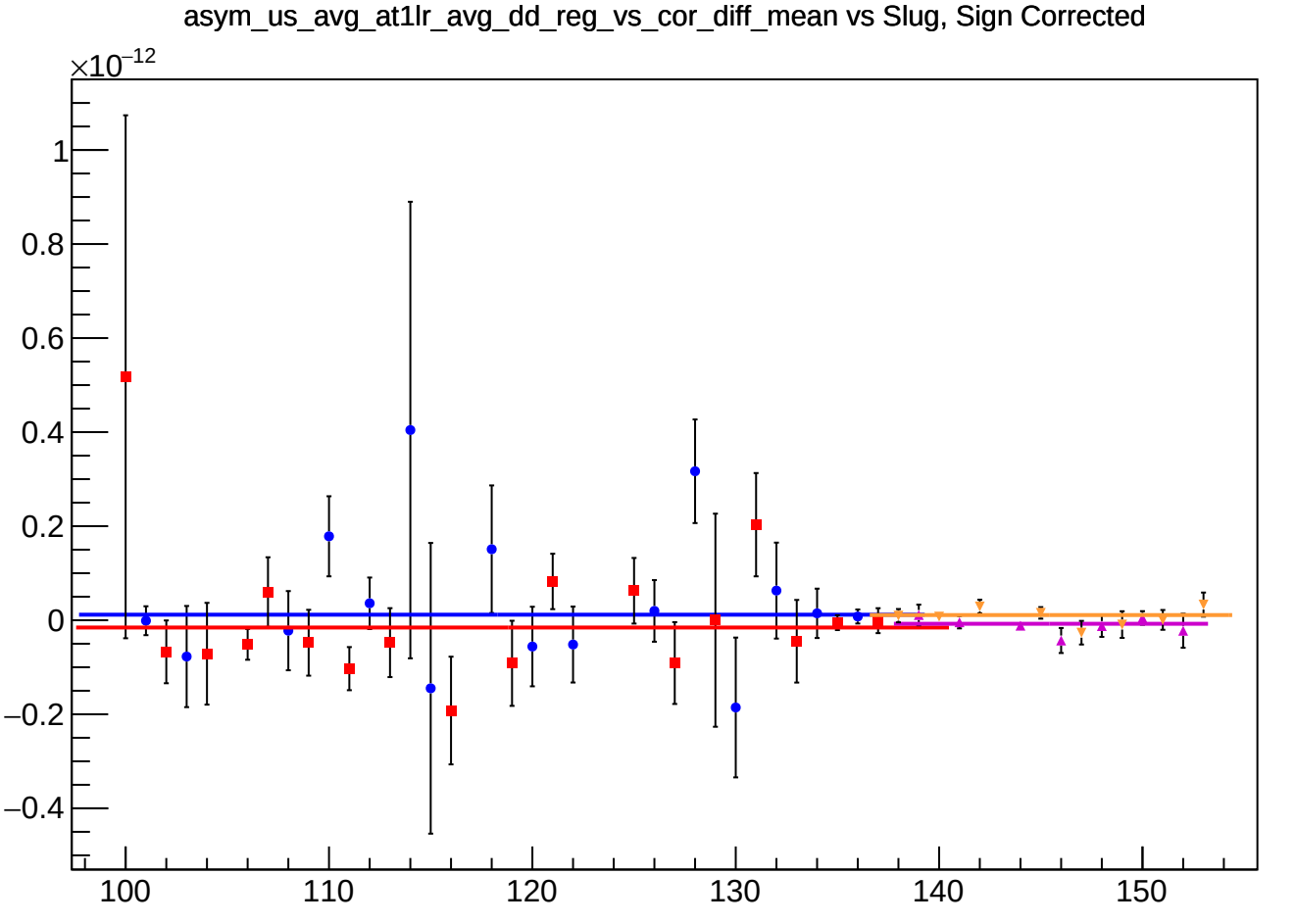
Left: 1831.862+/-0.369 χ^2/NDF: 21391.2/14

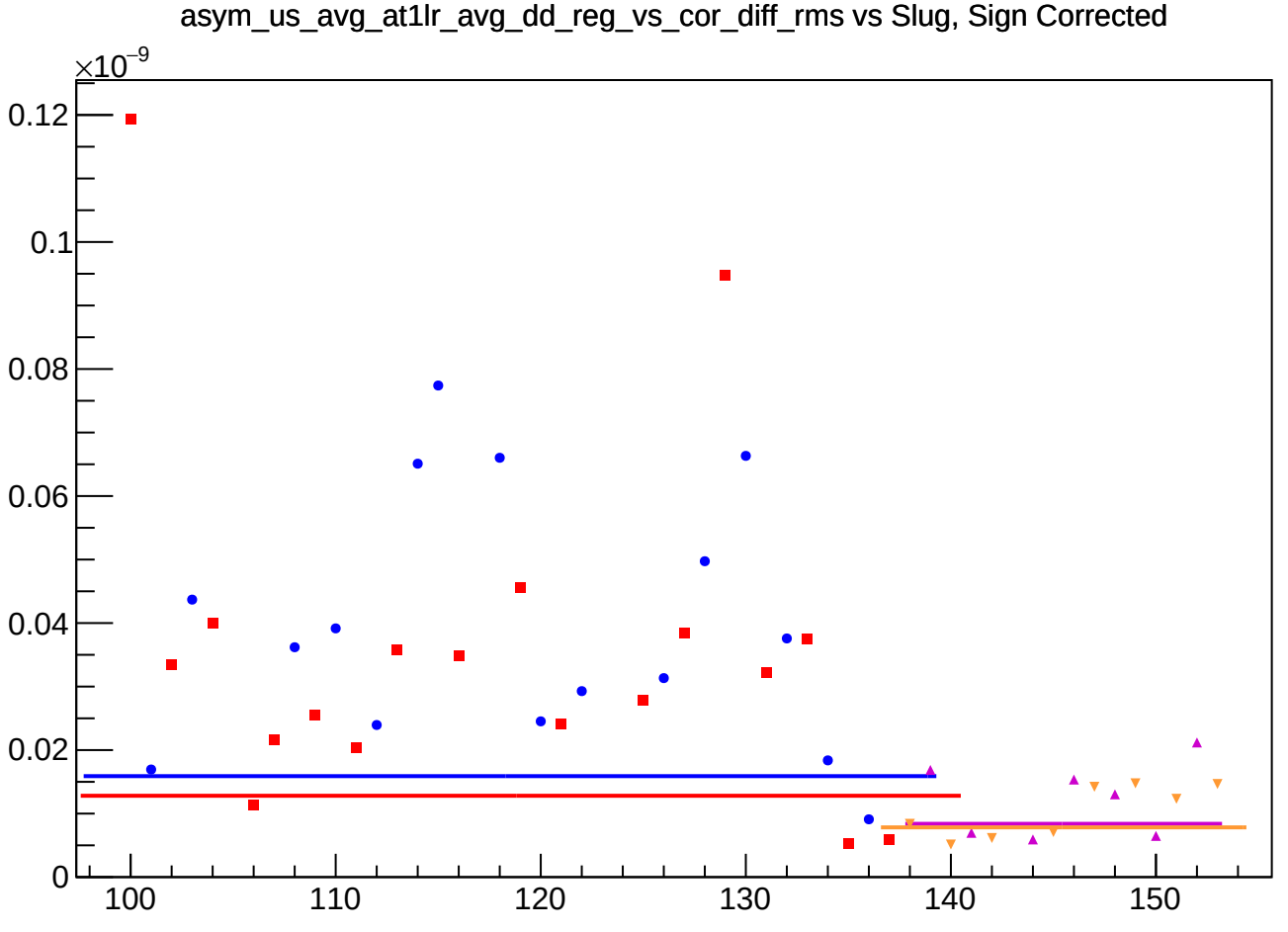
Right: 2074.439+/-0.396 χ^2/NDF: 1622768.9/33

In: 1938.019+/-0.382 χ^2/NDF:1039997.8/22

Out: 1950.722+/-0.382 χ^2/NDF:804324.9/25

All: 1944.381+/-0.270 χ^2/NDF: 1844876.1/48


asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 18.0/15
Left Out: 0.000+/-0.000 χ²/NDF:5.6/7
Right Out: -0.000+/-0.000 χ²/NDF: 20.7/17
Left In: -0.000+/-0.000 χ²/NDF:3.7/6
Left: 0.000+/-0.000 χ²/NDF: 14.6/14
Right: -0.000+/-0.000 χ²/NDF: 41.8/33
In: -0.000+/-0.000 χ²/NDF:24.0/22
Out: 0.000+/-0.000 χ²/NDF:31.2/25
All: 0.000+/-0.000 χ²/NDF: 56.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:677205.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:968302.4/6

Left: 0.000+/-0.000 χ^2/NDF: 1655150.5/14

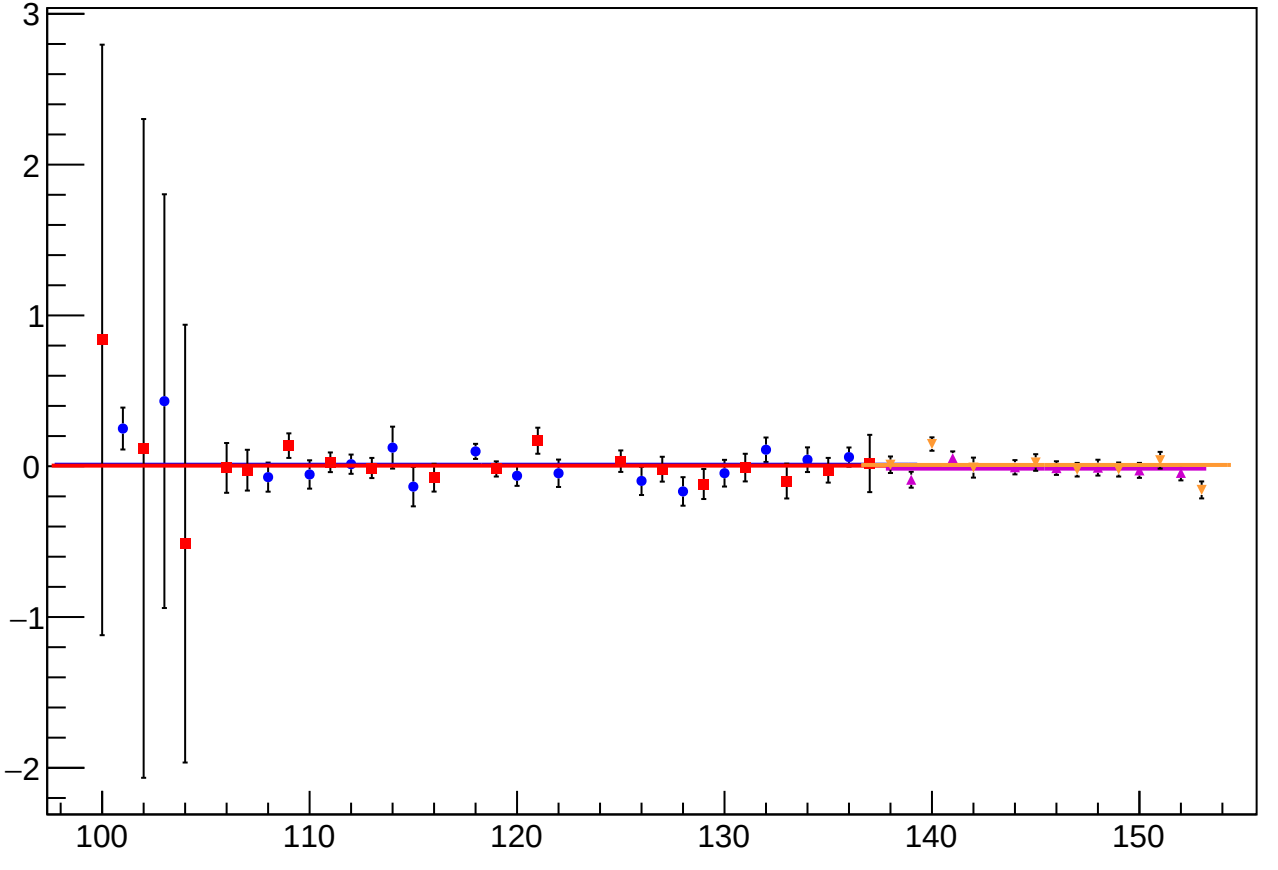
Right: 0.000+/-0.000 χ^2/NDF: 4498662.7/33

In: 0.000+/-0.000 χ^2/NDF:3570714.2/22

Out: 0.000+/-0.000 χ^2/NDF:3508512.6/25

All: 0.000+/-0.000 χ^2/NDF: 7125683.1/48

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: 0.008+/-0.018 χ^2/NDF:19.7/7

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.016+/-0.018 χ^2/NDF:4.7/6

Left: -0.004+/-0.013 χ^2/NDF: 25.3/14

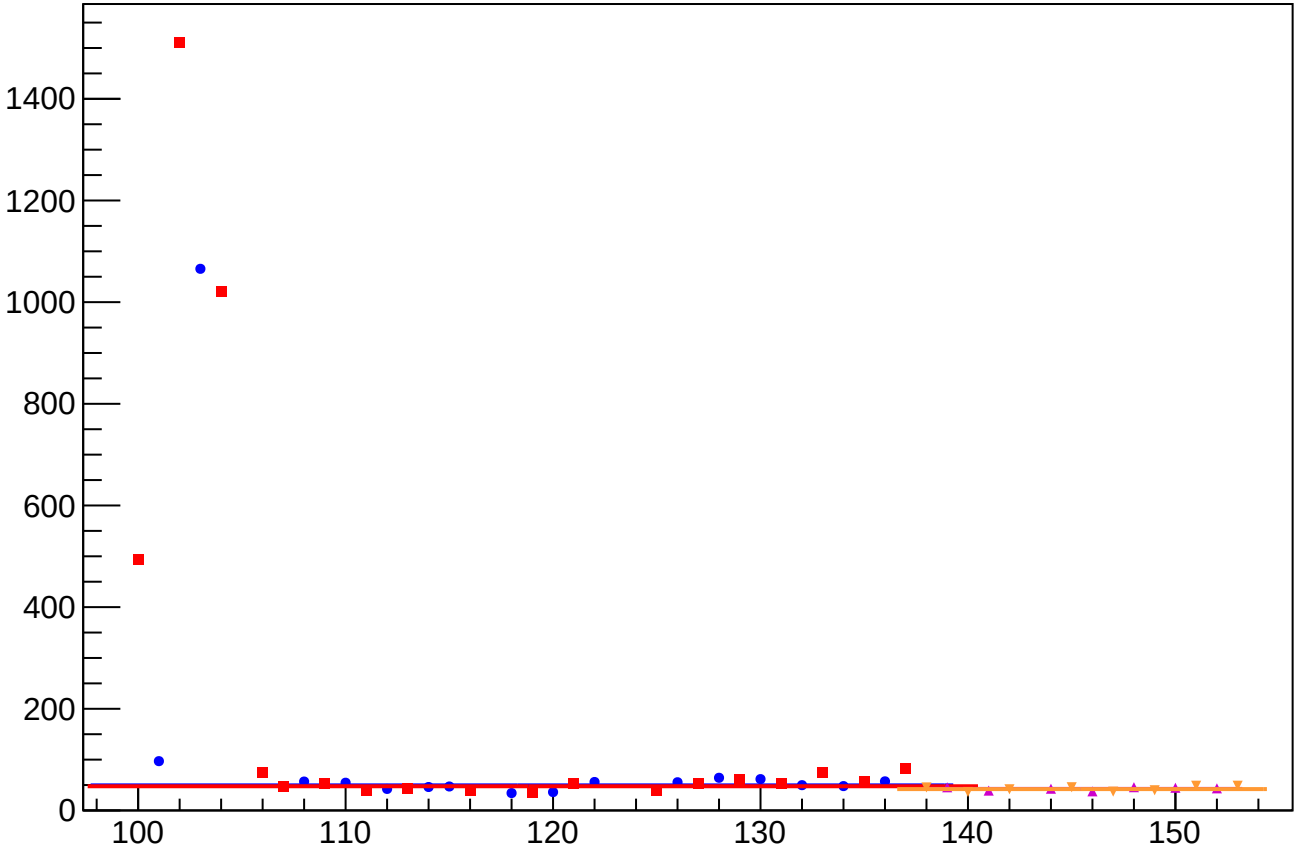
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: -0.005+/-0.014 χ^2/NDF:24.0/22

Out: 0.007+/-0.014 χ^2/NDF:30.2/25

All: 0.001+/-0.010 χ^2/NDF: 54.6/48

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: 42.039+/-0.013 χ^2/NDF:133134.6/7

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 42.377+/-0.013 χ^2/NDF:54198.5/6

Left: 42.207+/-0.009 χ^2/NDF: 187672.9/14

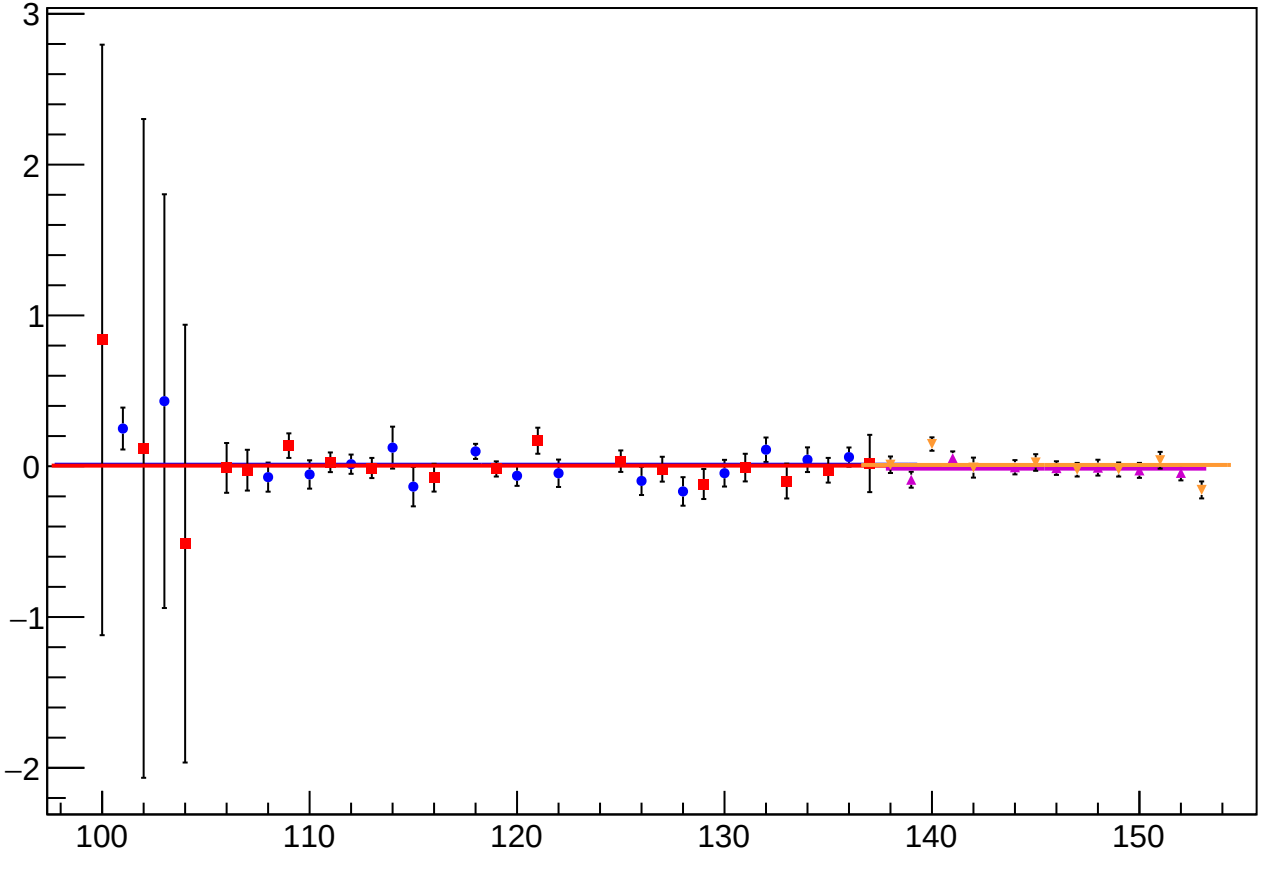
Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 45.405+/-0.010 χ^2/NDF:1955610.9/22

Out: 44.377+/-0.010 χ^2/NDF:2628956.7/25

All: 44.895+/-0.007 χ^2/NDF: 4590058.2/48

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: 0.008+/-0.018 χ^2/NDF:19.7/7

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.016+/-0.018 χ^2/NDF:4.7/6

Left: -0.004+/-0.013 χ^2/NDF: 25.3/14

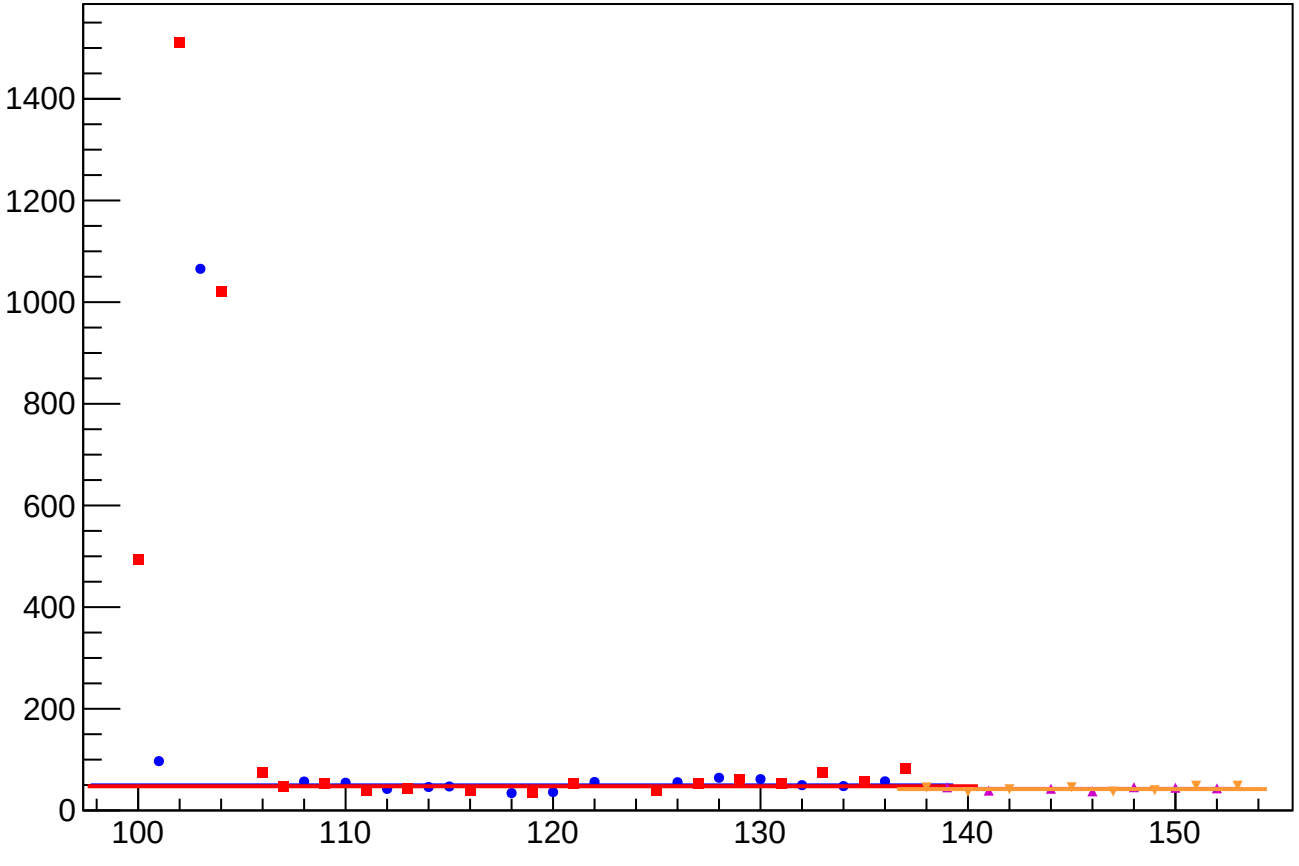
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: -0.005+/-0.014 χ^2/NDF:24.0/22

Out: 0.007+/-0.014 χ^2/NDF:30.2/25

All: 0.001+/-0.010 χ^2/NDF: 54.6/48

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: 42.039+/-0.013 χ^2/NDF:133134.6/7

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 42.377+/-0.013 χ^2/NDF:54198.5/6

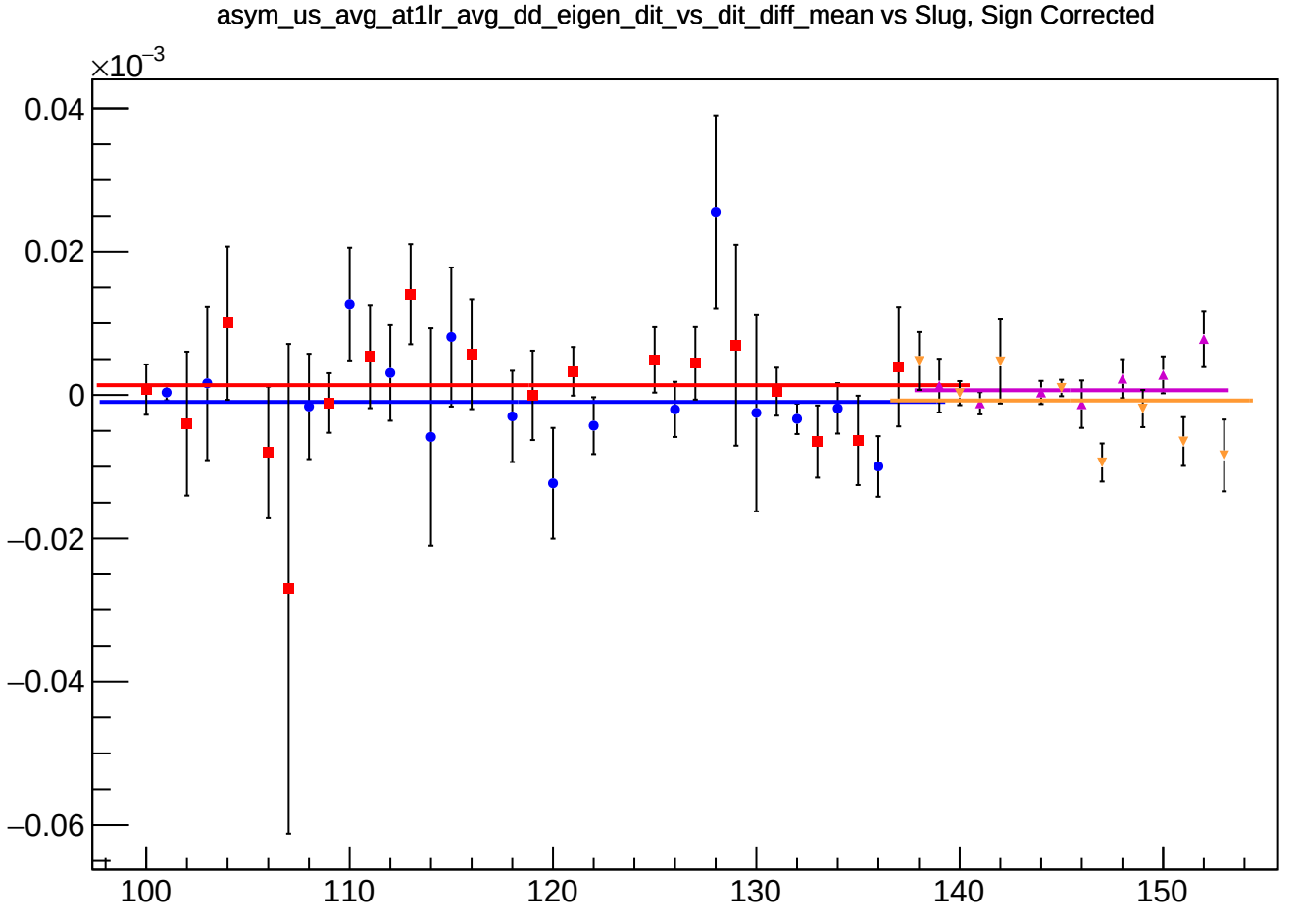
Left: 42.207+/-0.009 χ^2/NDF: 187672.9/14

Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 45.405+/-0.010 χ^2/NDF:1955610.9/22

Out: 44.377+/-0.010 χ^2/NDF:2628956.7/25

All: 44.895+/-0.007 χ^2/NDF: 4590058.2/48



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.3/7

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:6.2/6

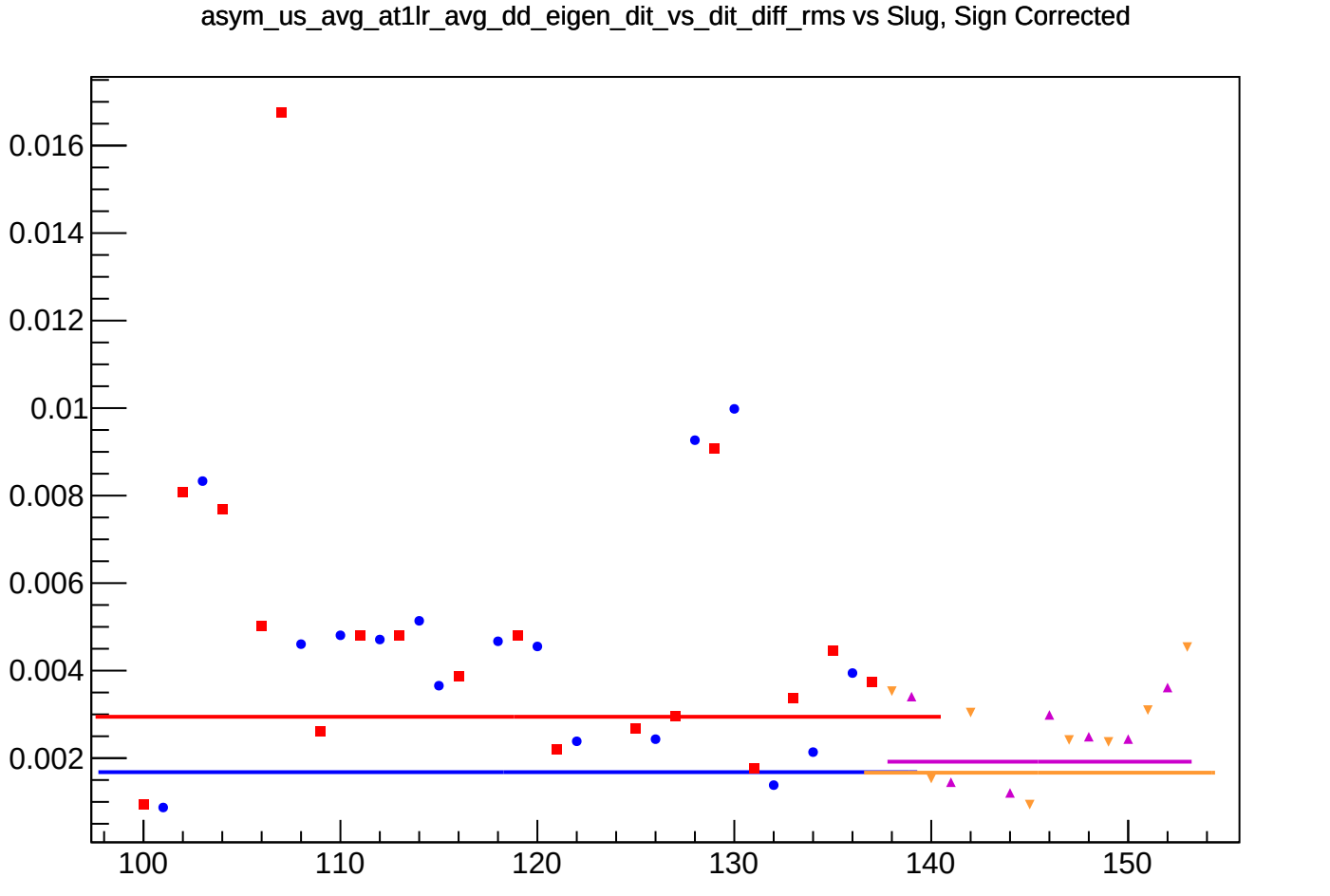
Left: -0.000+/-0.000 χ^2/NDF: 29.0/14

Right: -0.000+/-0.000 χ^2/NDF: 33.6/33

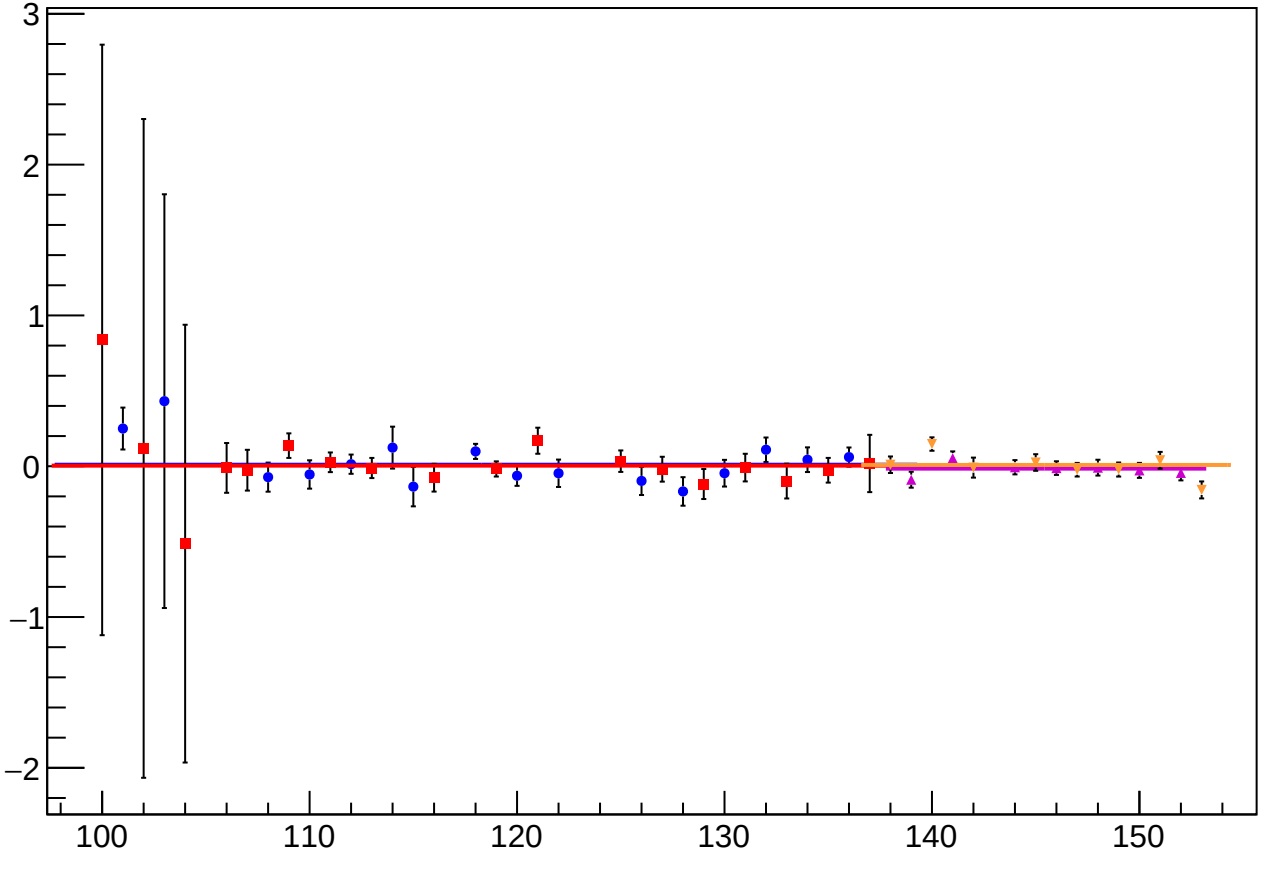
In: -0.000+/-0.000 χ^2/NDF:26.6/22

Out: -0.000+/-0.000 χ^2/NDF:36.0/25

All: -0.000+/-0.000 χ^2/NDF: 62.6/48


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
Right In: 0.002+/-0.000 χ²/NDF: 5960235.0/15
Left Out: 0.002+/-0.000 χ²/NDF:2676121.8/7
Right Out: 0.003+/-0.000 χ²/NDF: 3379848.5/17
Left In: 0.002+/-0.000 χ²/NDF:1640372.8/6
Left: 0.002+/-0.000 χ²/NDF: 4408311.2/14
Right: 0.002+/-0.000 χ²/NDF: 10702272.5/33
In: 0.002+/-0.000 χ²/NDF:7679474.7/22
Out: 0.002+/-0.000 χ²/NDF:7489126.1/25
All: 0.002+/-0.000 χ²/NDF: 15287323.5/48

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: 0.008+/-0.018 χ^2/NDF:19.7/7

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.016+/-0.018 χ^2/NDF:4.7/6

Left: -0.004+/-0.013 χ^2/NDF: 25.3/14

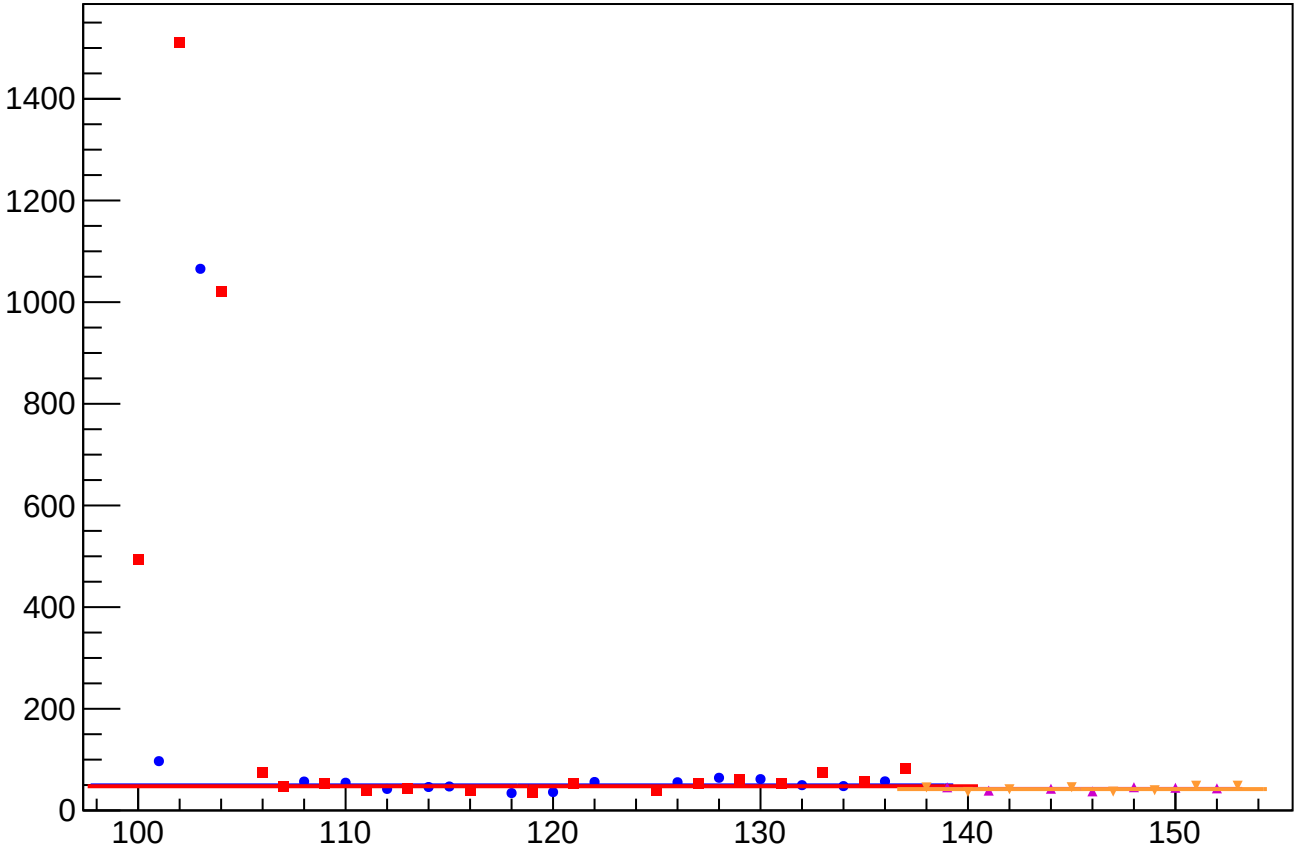
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: -0.005+/-0.014 χ^2/NDF:24.0/22

Out: 0.007+/-0.014 χ^2/NDF:30.2/25

All: 0.001+/-0.010 χ^2/NDF: 54.6/48

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: 42.039+/-0.013 χ^2/NDF:133150.6/7

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 42.376+/-0.013 χ^2/NDF:54213.2/6

Left: 42.207+/-0.009 χ^2/NDF: 187701.7/14

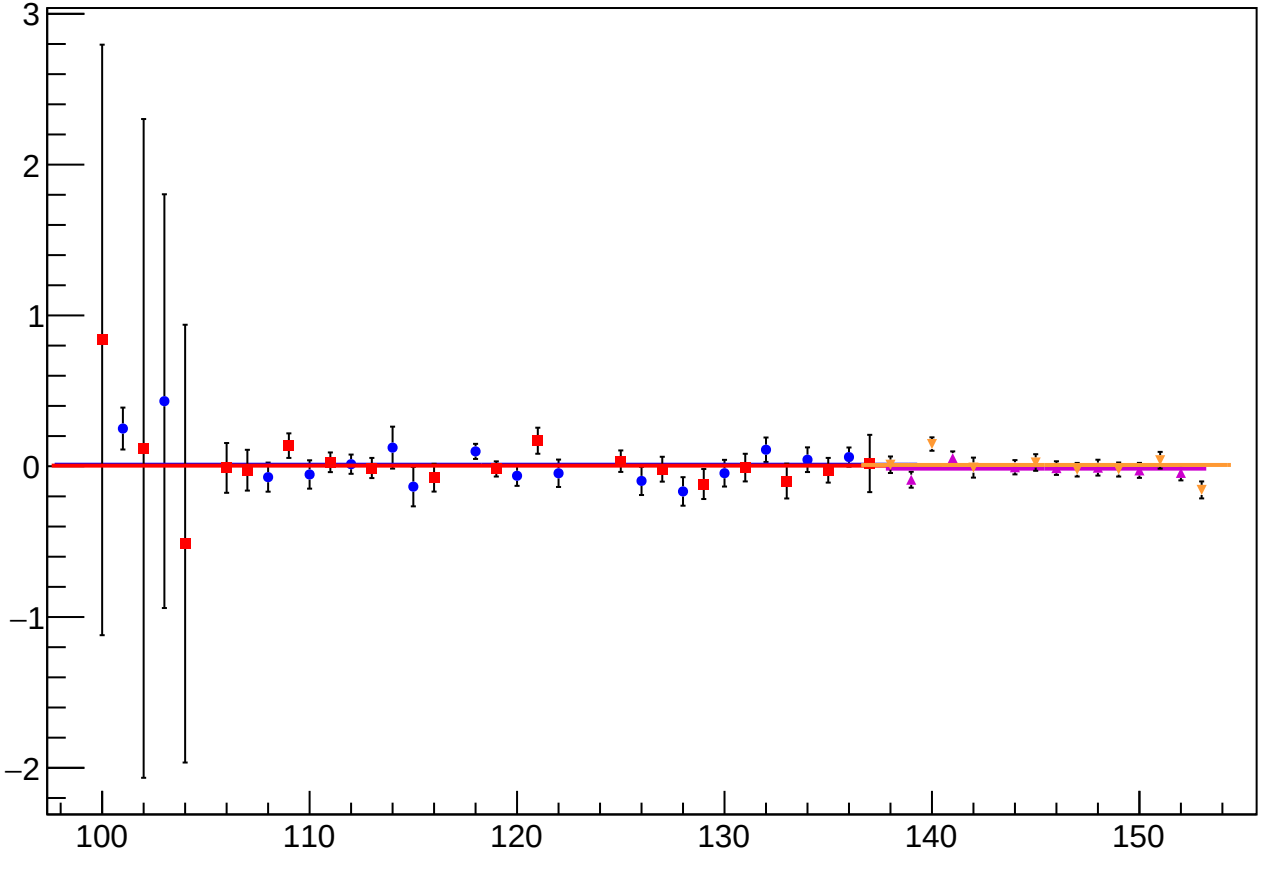
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 45.405+/-0.010 χ^2/NDF:1955589.9/22

Out: 44.377+/-0.010 χ^2/NDF:2628974.3/25

All: 44.895+/-0.007 χ^2/NDF: 4590053.6/48

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: 0.008+/-0.018 χ^2/NDF:19.7/7

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.016+/-0.018 χ^2/NDF:4.7/6

Left: -0.004+/-0.013 χ^2/NDF: 25.3/14

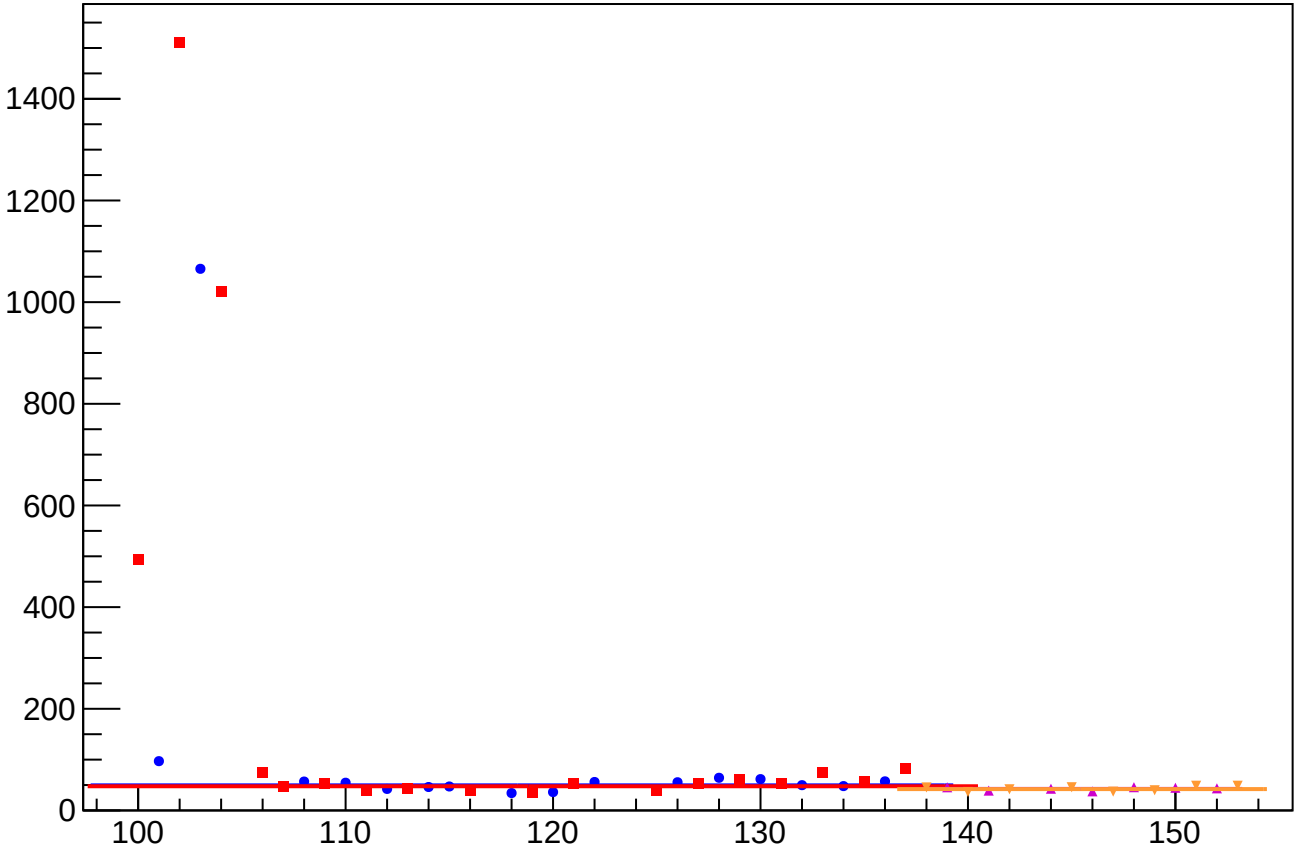
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: -0.005+/-0.014 χ^2/NDF:24.0/22

Out: 0.007+/-0.014 χ^2/NDF:30.2/25

All: 0.001+/-0.010 χ^2/NDF: 54.6/48

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: 42.039+/-0.013 χ^2/NDF:133150.6/7

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 42.376+/-0.013 χ^2/NDF:54213.2/6

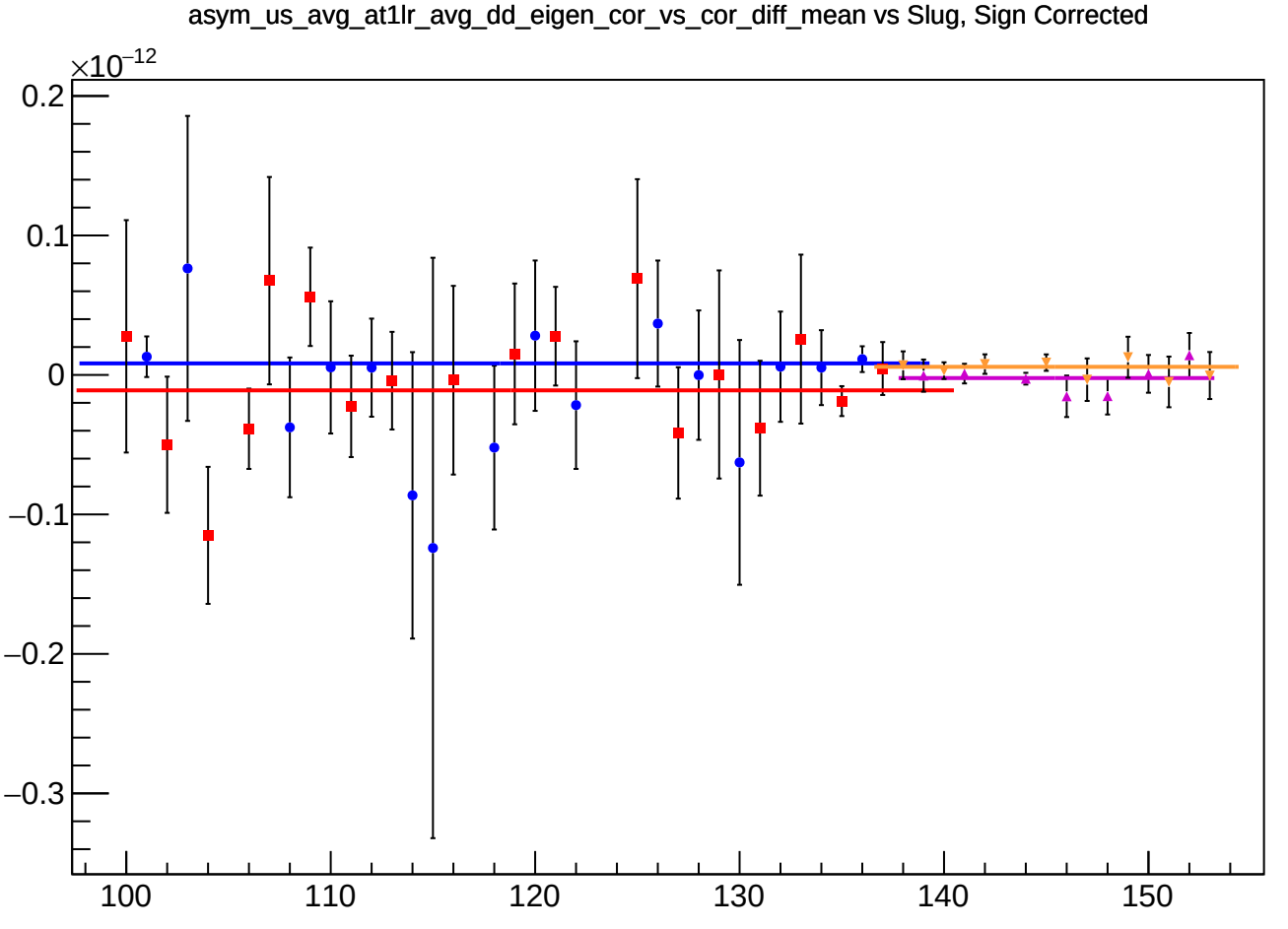
Left: 42.207+/-0.009 χ^2/NDF: 187701.7/14

Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 45.405+/-0.010 χ^2/NDF:1955589.9/22

Out: 44.377+/-0.010 χ^2/NDF:2628974.3/25

All: 44.895+/-0.007 χ^2/NDF: 4590053.6/48



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1.6/7

Right Out: -0.000+/-0.000 χ^2/NDF: 16.2/17

Left In: -0.000+/-0.000 χ^2/NDF:3.1/6

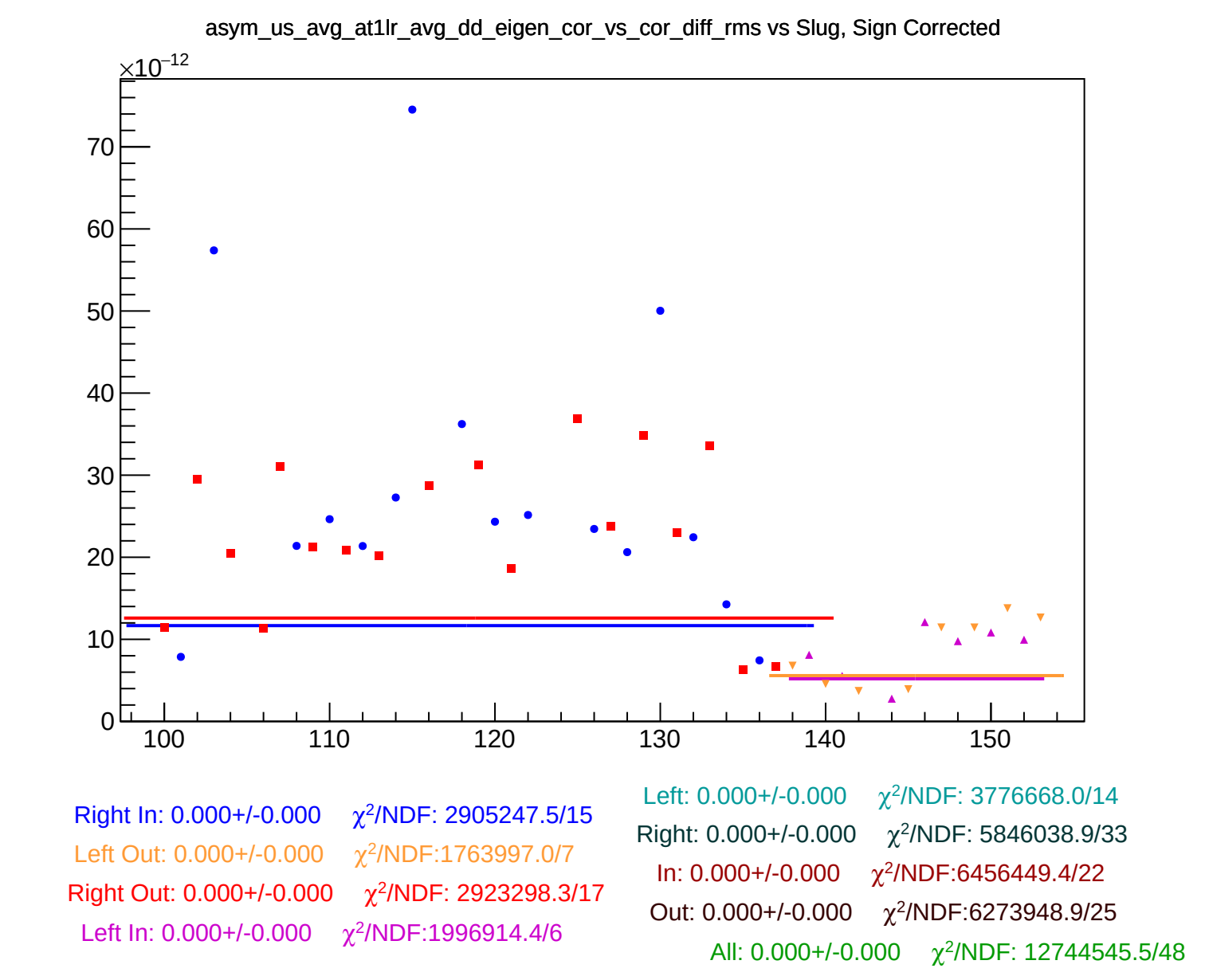
Left: 0.000+/-0.000 χ^2/NDF: 8.1/14

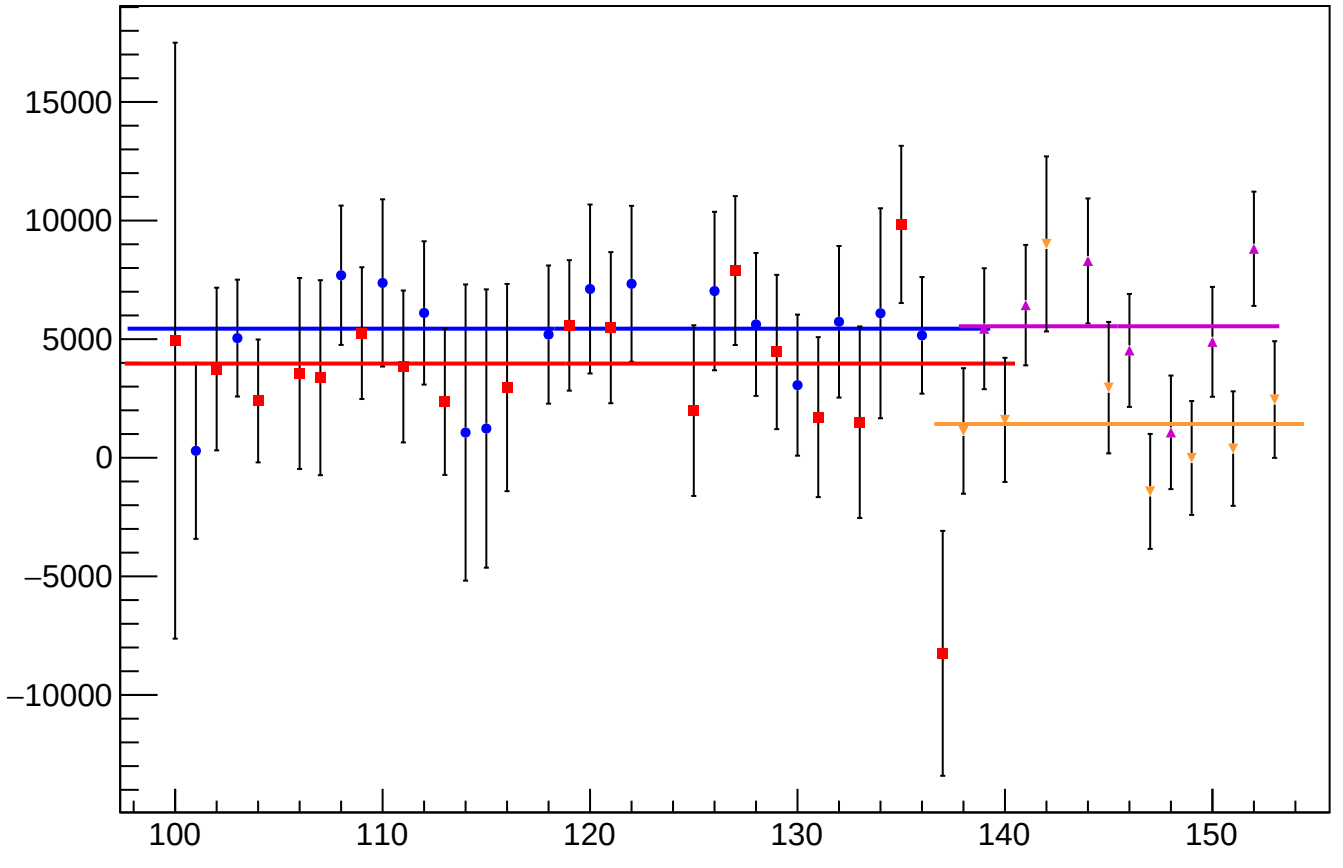
Right: -0.000+/-0.000 χ^2/NDF: 25.5/33

In: -0.000+/-0.000 χ^2/NDF:10.6/22

Out: 0.000+/-0.000 χ^2/NDF:22.4/25

All: 0.000+/-0.000 χ^2/NDF: 33.8/48


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
Right In: 0.000+/-0.000 χ²/NDF: 2905247.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1763997.0/7
Right Out: 0.000+/-0.000 χ²/NDF: 2923298.3/17
Left In: 0.000+/-0.000 χ²/NDF:1996914.4/6
Left: 0.000+/-0.000 χ²/NDF: 3776668.0/14
Right: 0.000+/-0.000 χ²/NDF: 5846038.9/33
In: 0.000+/-0.000 χ²/NDF:6456449.4/22
Out: 0.000+/-0.000 χ²/NDF:6273948.9/25
All: 0.000+/-0.000 χ²/NDF: 12744545.5/48



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1424.345+/-923.208 χ^2/NDF:6.6/7

Right Out: 3971.728+/-809.023 χ^2/NDF: 13.0/17

Left In: 5543.281+/-927.458 χ^2/NDF:6.8/6

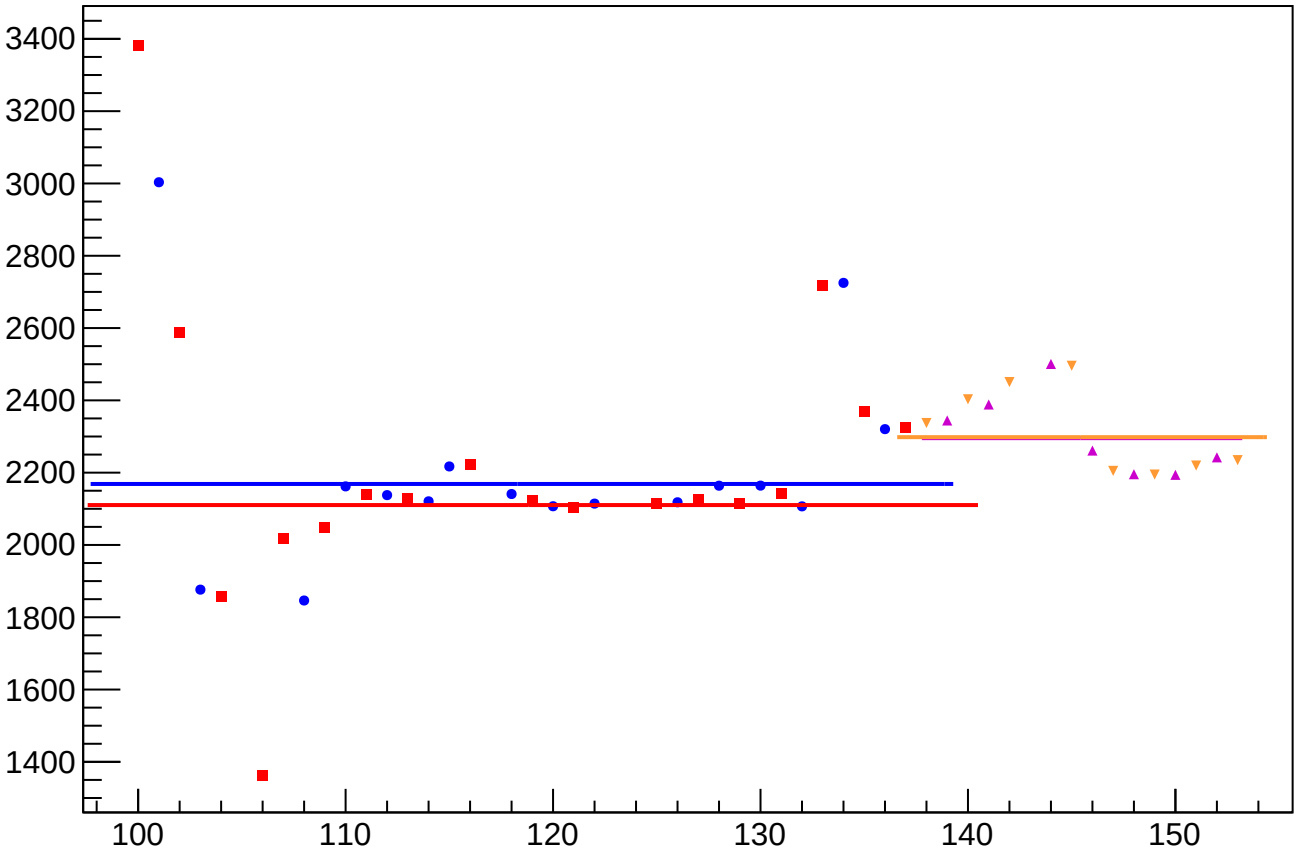
Left: 3474.354+/-654.304 χ^2/NDF: 23.4/14

Right: 4703.849+/-573.303 χ^2/NDF: 20.0/33

In: 5486.170+/-611.165 χ^2/NDF:12.2/22

Out: 2865.228+/-608.455 χ^2/NDF:23.9/25

All: 4169.875+/-431.197 χ^2/NDF: 45.3/48



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2298.201+/-0.653 χ^2/NDF:27353.4/7

Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2295.453+/-0.656 χ^2/NDF:24257.8/6

Left: 2296.834+/-0.463 χ^2/NDF: 51620.0/14

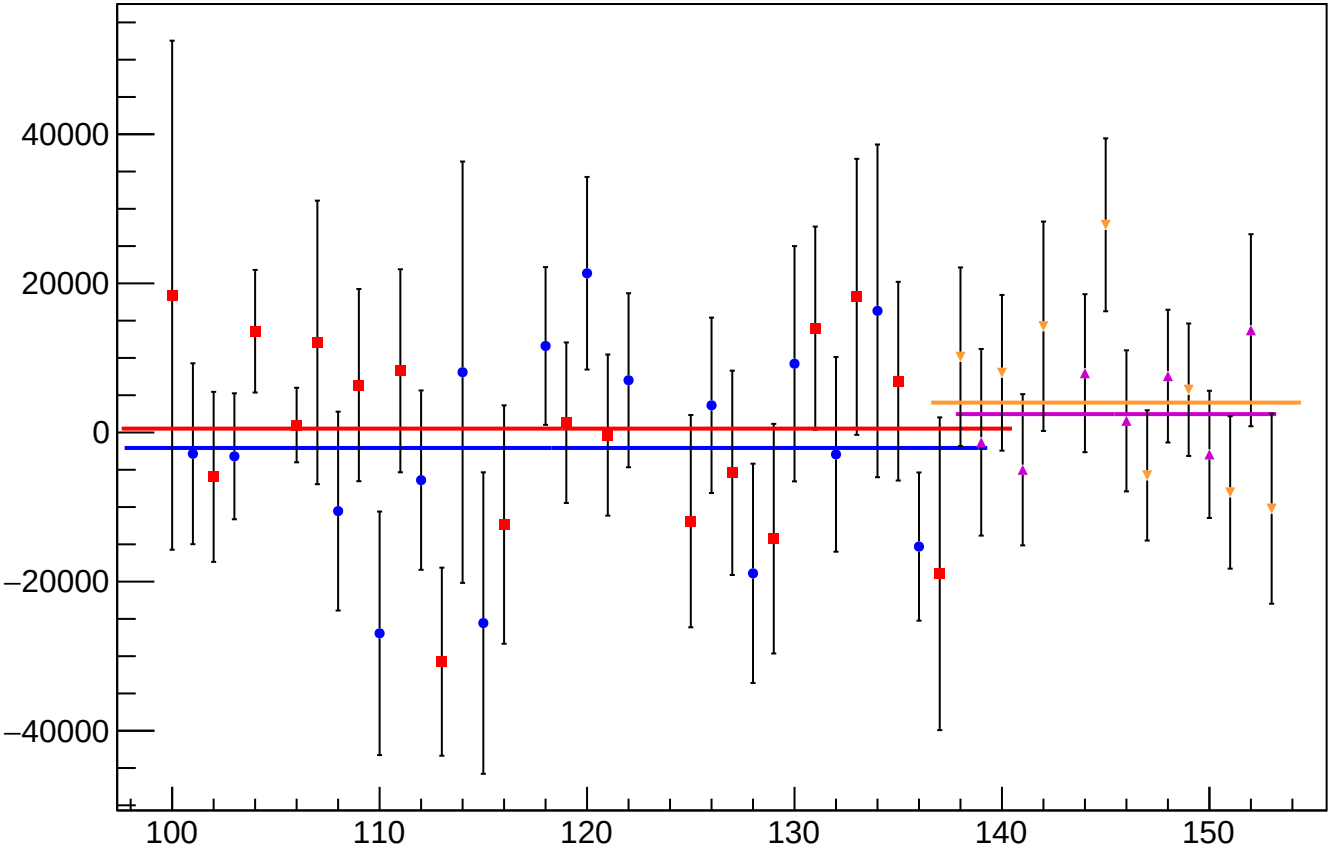
Right: 2138.947+/-0.402 χ^2/NDF: 468334.9/33

In: 2223.750+/-0.432 χ^2/NDF:241046.8/22

Out: 2190.480+/-0.426 χ^2/NDF:342246.7/25

All: 2206.889+/-0.304 χ^2/NDF: 586297.0/48

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: 4005.870+/-3775.873 χ^2/NDF:9.1/7

Right Out: 521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: 2466.234+/-3818.568 χ^2/NDF:2.4/6

Left: 3244.707+/-2684.913 χ^2/NDF: 11.6/14

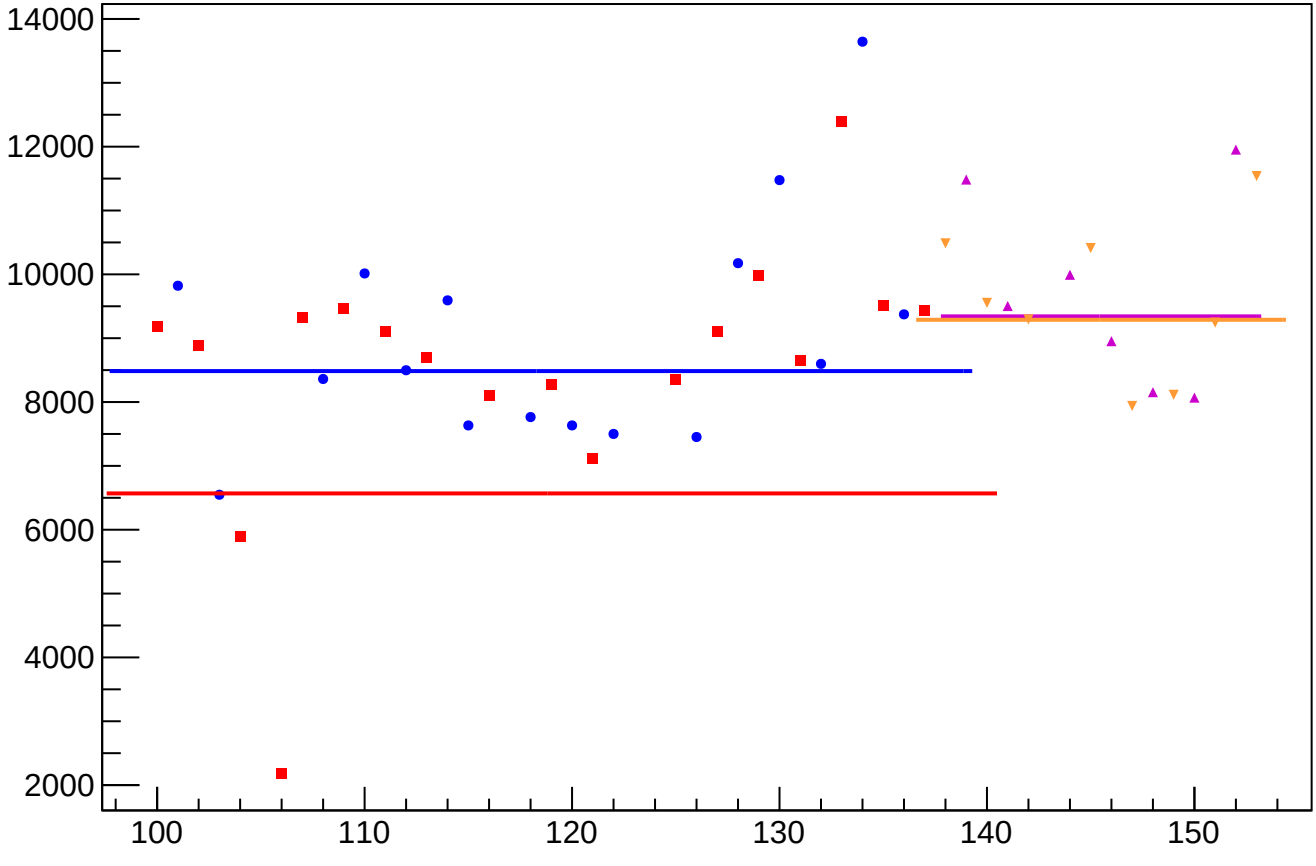
Right: -560.742+/-2073.786 χ^2/NDF: 30.5/33

In: -193.132+/-2458.089 χ^2/NDF:17.7/22

Out: 1709.322+/-2204.634 χ^2/NDF:25.3/25

All: 861.204+/-1641.228 χ^2/NDF: 43.3/48

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: 9288.404+/-2.670 χ^2/NDF:185127.5/7

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

Left In: 9341.872+/-2.700 χ^2/NDF:232496.4/6

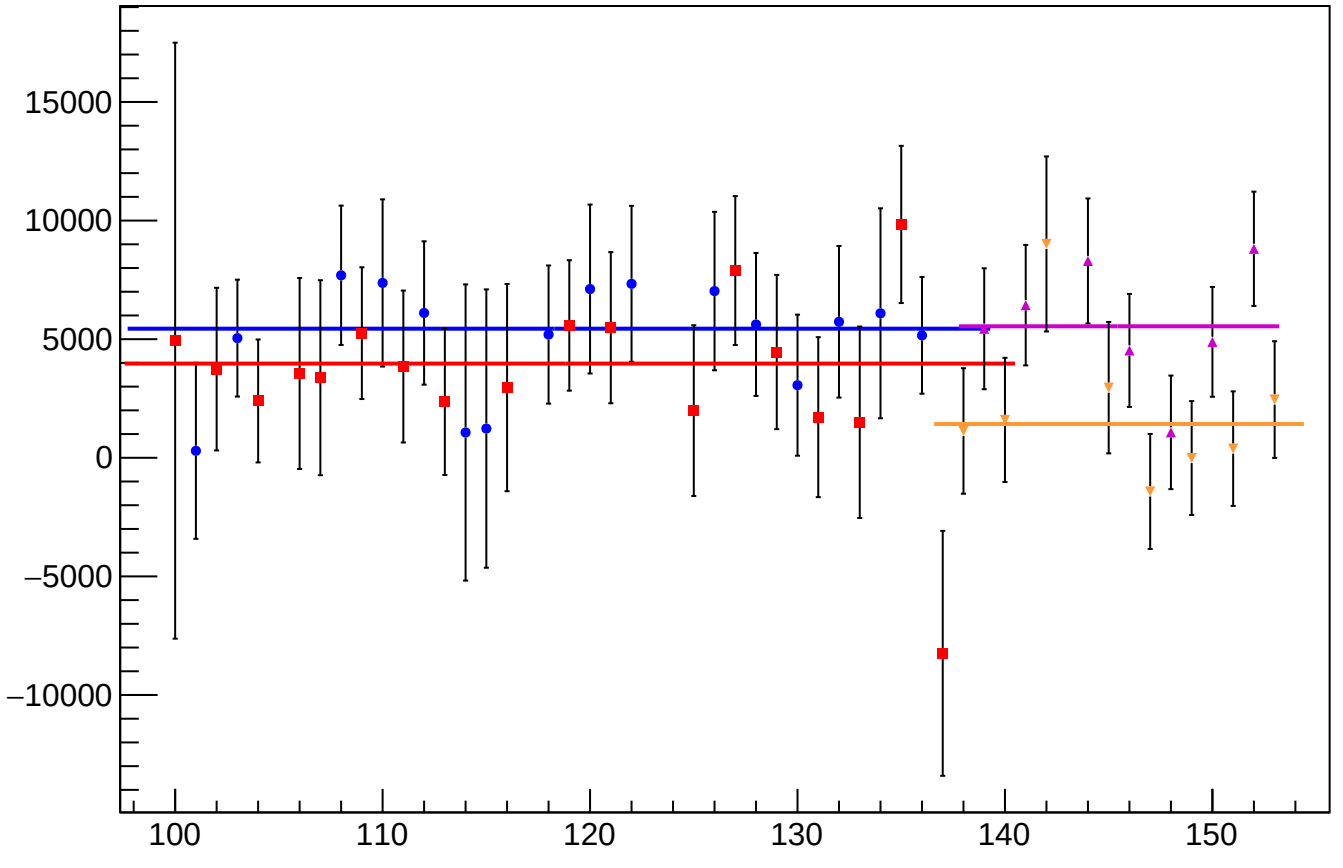
Left: 9314.837+/-1.899 χ^2/NDF: 417822.2/14

Right: 7367.464+/-1.466 χ^2/NDF: 3406715.7/33

In: 8840.067+/-1.738 χ^2/NDF:714179.2/22

Out: 7495.878+/-1.559 χ^2/NDF:3437895.7/25

All: 8095.121+/-1.161 χ^2/NDF: 4483526.4/48



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1424.234+/-923.208 χ^2/NDF:6.6/7

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 5543.531+/-927.458 χ^2/NDF:6.8/6

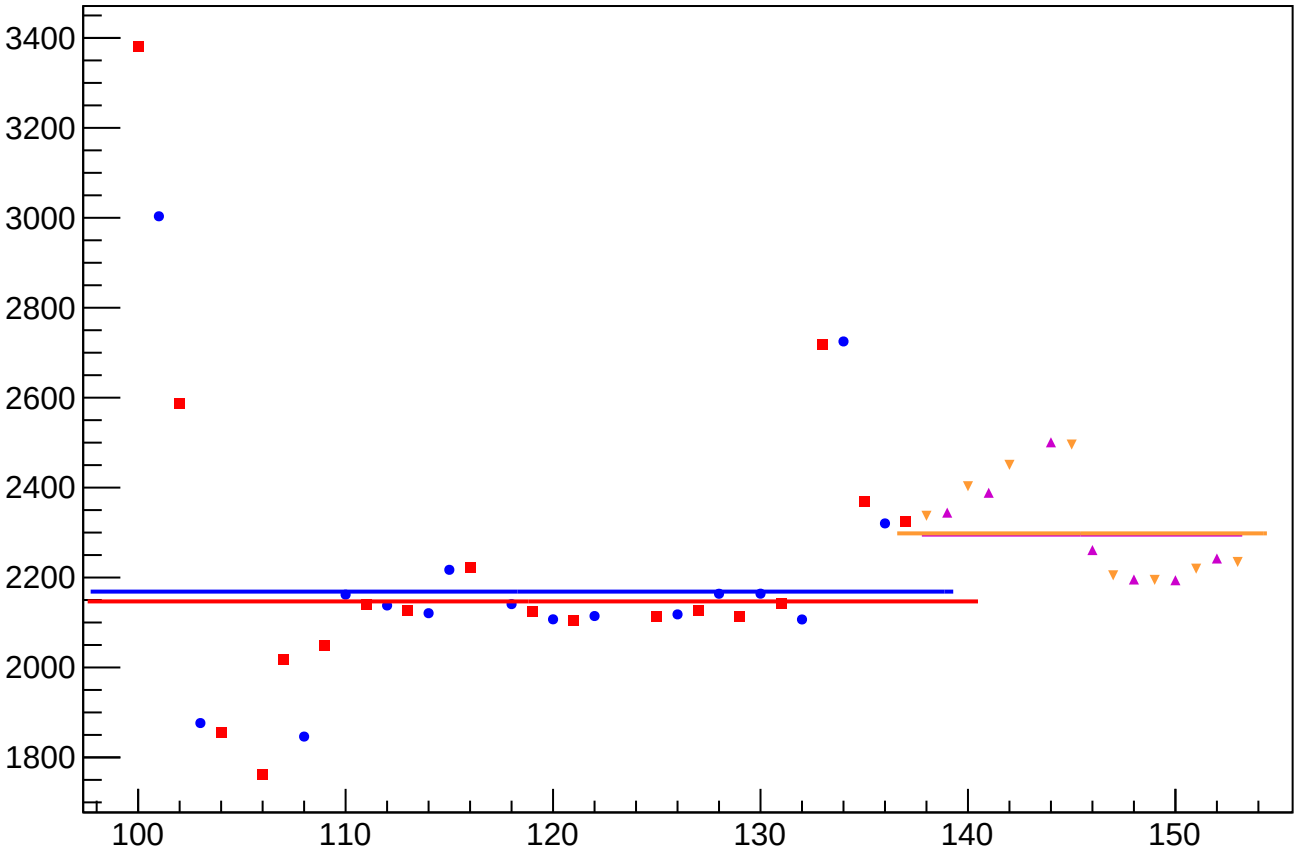
Left: 3474.423+/-654.304 χ^2/NDF: 23.4/14

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5486.359+/-611.165 χ^2/NDF:12.2/22

Out: 2865.033+/-608.455 χ^2/NDF:23.9/25

All: 4169.872+/-431.197 χ^2/NDF: 45.3/48



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2298.201+/-0.653 χ^2/NDF:27353.4/7

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2295.453+/-0.656 χ^2/NDF:24257.8/6

Left: 2296.834+/-0.463 χ^2/NDF: 51620.0/14

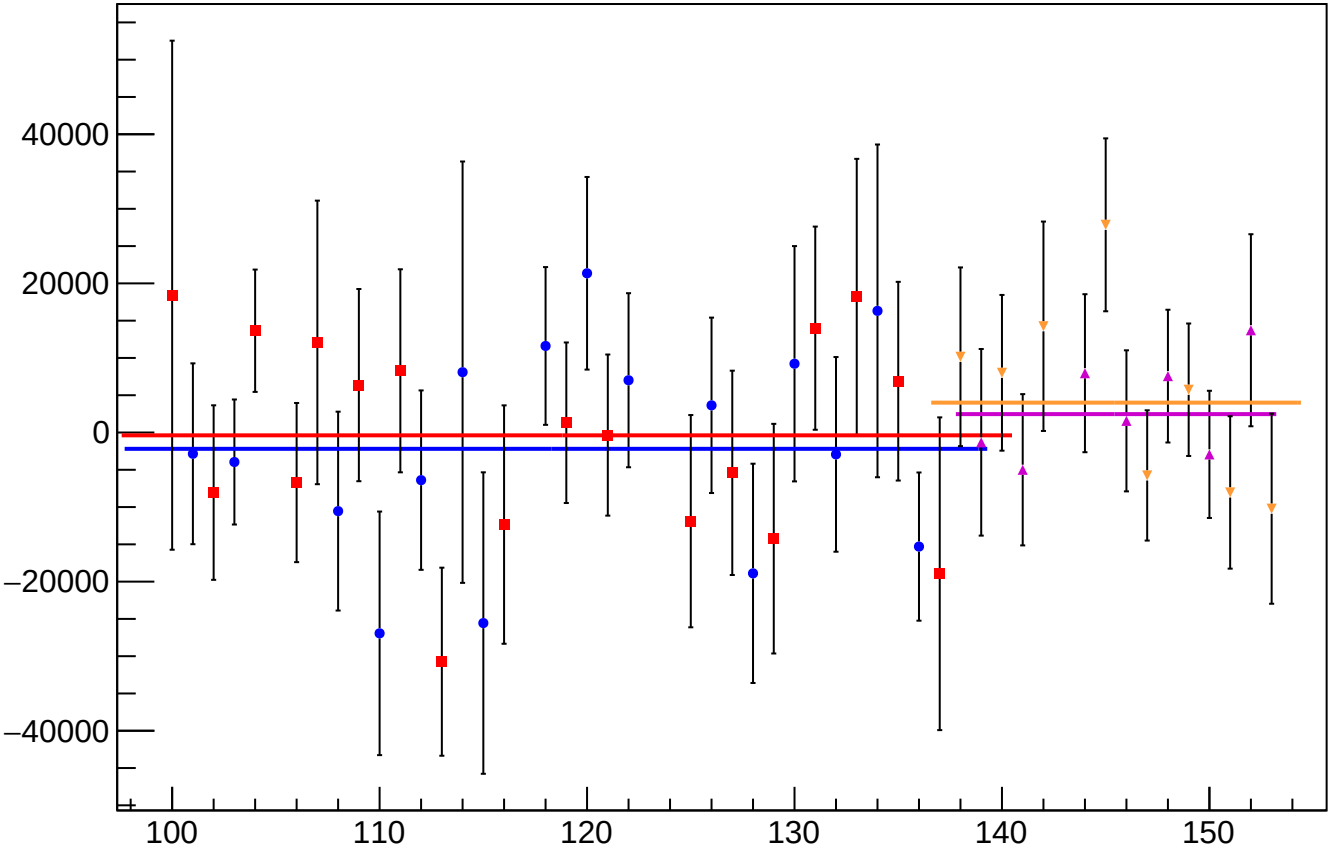
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2223.750+/-0.432 χ^2/NDF:241047.2/22

Out: 2212.244+/-0.429 χ^2/NDF:215624.6/25

All: 2217.955+/-0.304 χ^2/NDF: 457028.8/48

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 4005.878+/-3775.869 χ^2/NDF:9.1/7

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: 2466.425+/-3818.566 χ^2/NDF:2.4/6

Left: 3244.806+/-2684.911 χ^2/NDF: 11.6/14

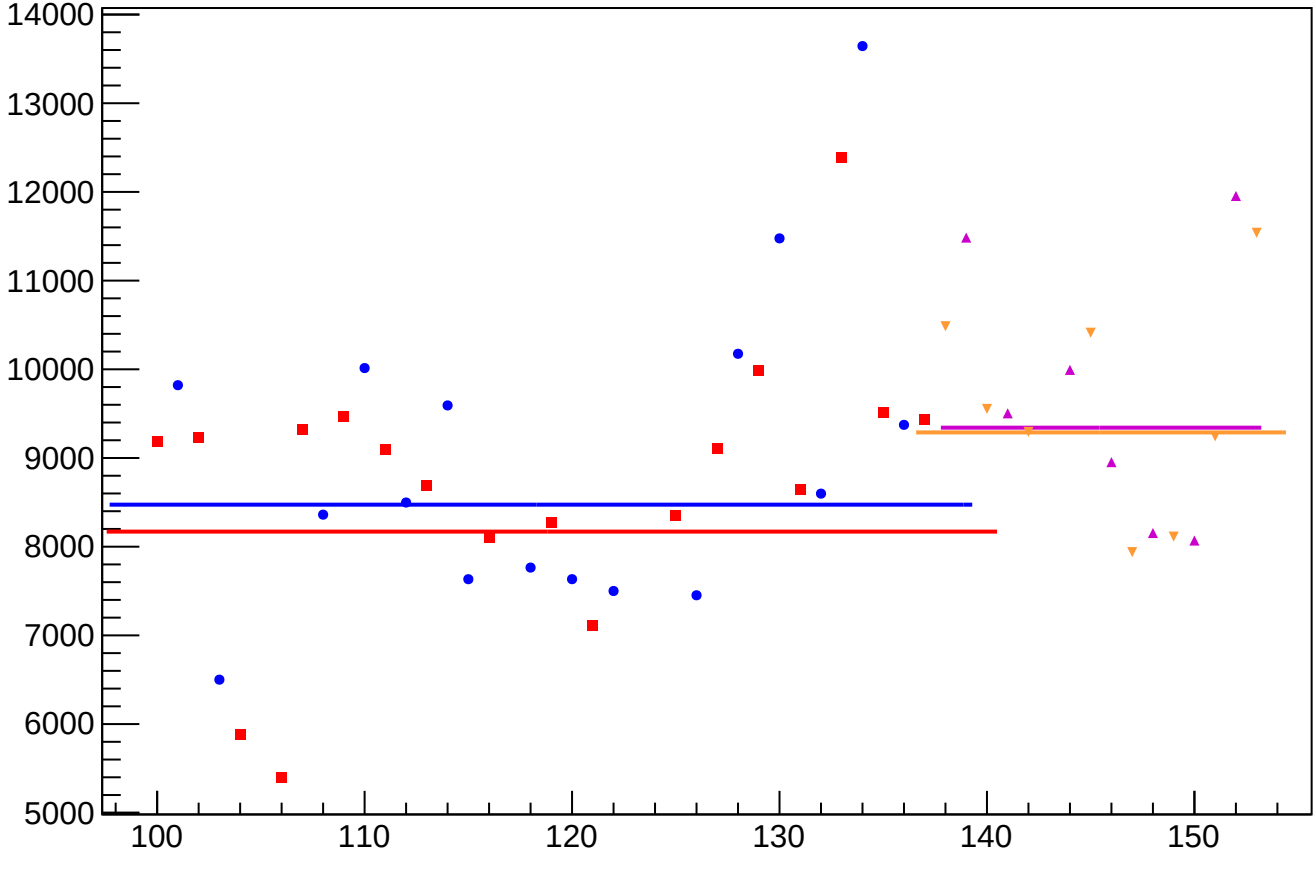
Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -262.566+/-2456.488 χ^2/NDF:17.7/22

Out: 1386.375+/-2395.930 χ^2/NDF:26.2/25

All: 582.480+/-1715.188 χ^2/NDF: 44.2/48

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: 9288.395+/-2.670 χ^2/NDF:185129.7/7

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 9341.867+/-2.700 χ^2/NDF:232498.6/6

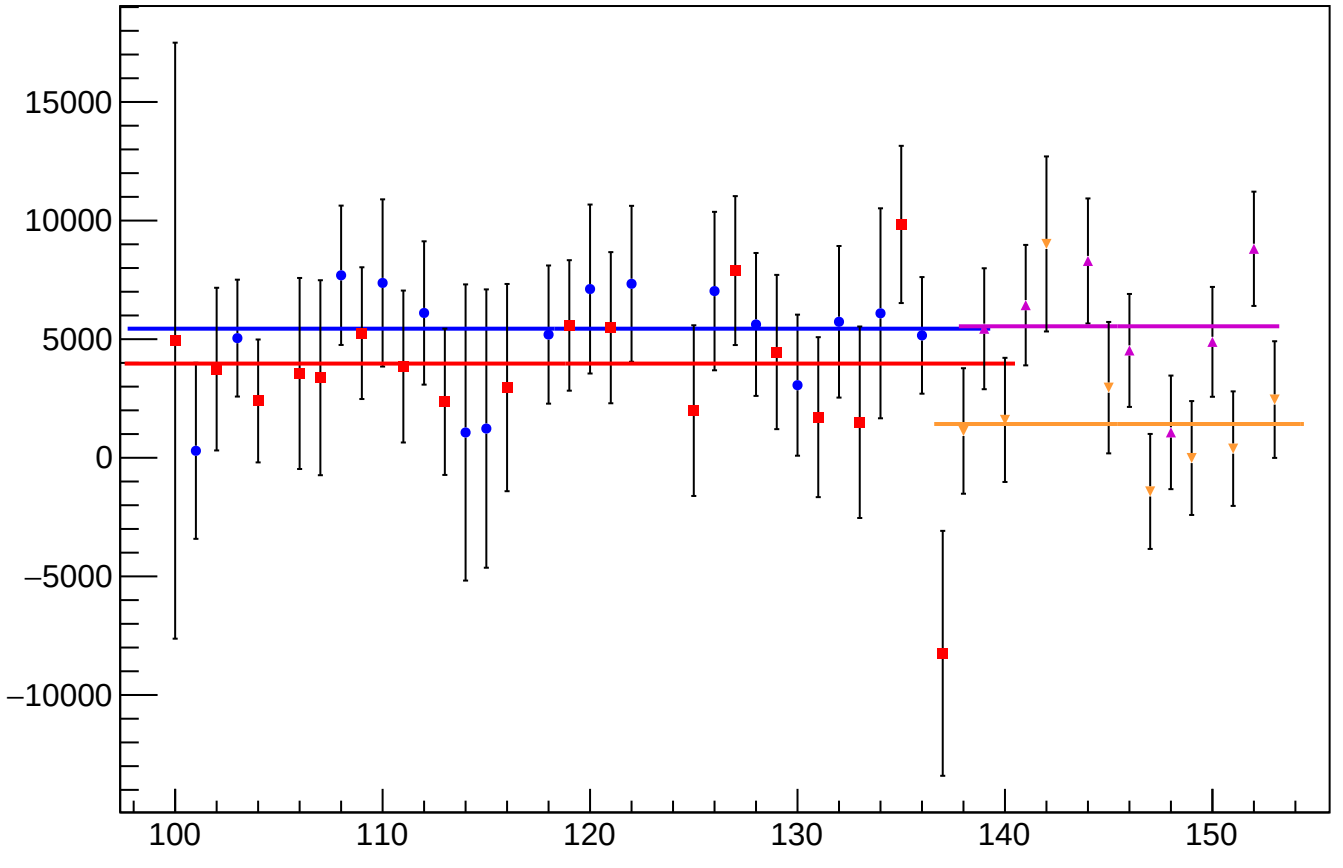
Left: 9314.830+/-1.899 χ^2/NDF: 417826.6/14

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 8833.004+/-1.737 χ^2/NDF:722637.4/22

Out: 8620.324+/-1.694 χ^2/NDF:829865.6/25

All: 8724.010+/-1.213 χ^2/NDF: 1560185.9/48



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 1424.234+/-923.208 χ^2/NDF:6.6/7

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 5543.531+/-927.458 χ^2/NDF:6.8/6

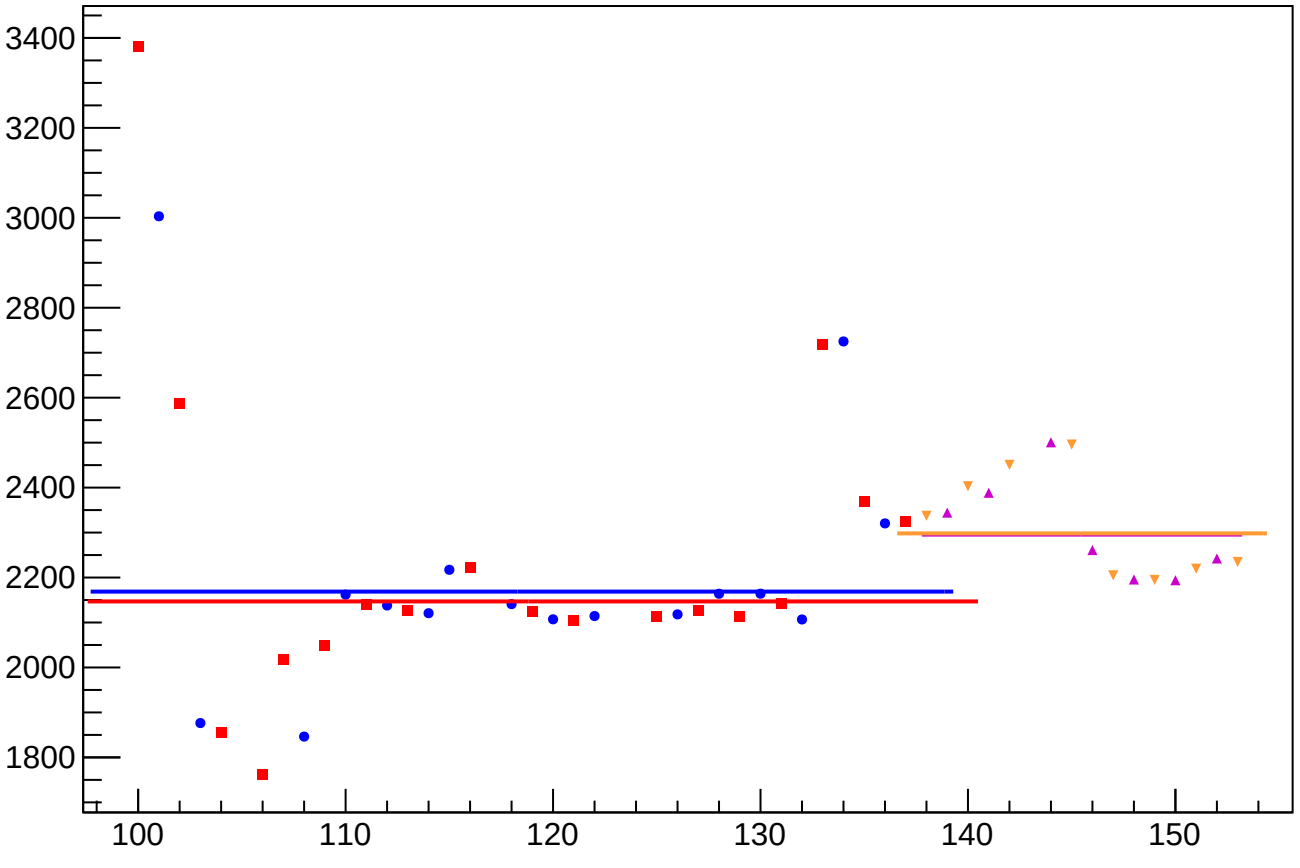
Left: 3474.423+/-654.304 χ^2/NDF: 23.4/14

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5486.359+/-611.165 χ^2/NDF:12.2/22

Out: 2865.033+/-608.455 χ^2/NDF:23.9/25

All: 4169.872+/-431.197 χ^2/NDF: 45.3/48



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2298.201+/-0.653 χ^2/NDF:27353.4/7

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2295.453+/-0.656 χ^2/NDF:24257.8/6

Left: 2296.834+/-0.463 χ^2/NDF: 51620.0/14

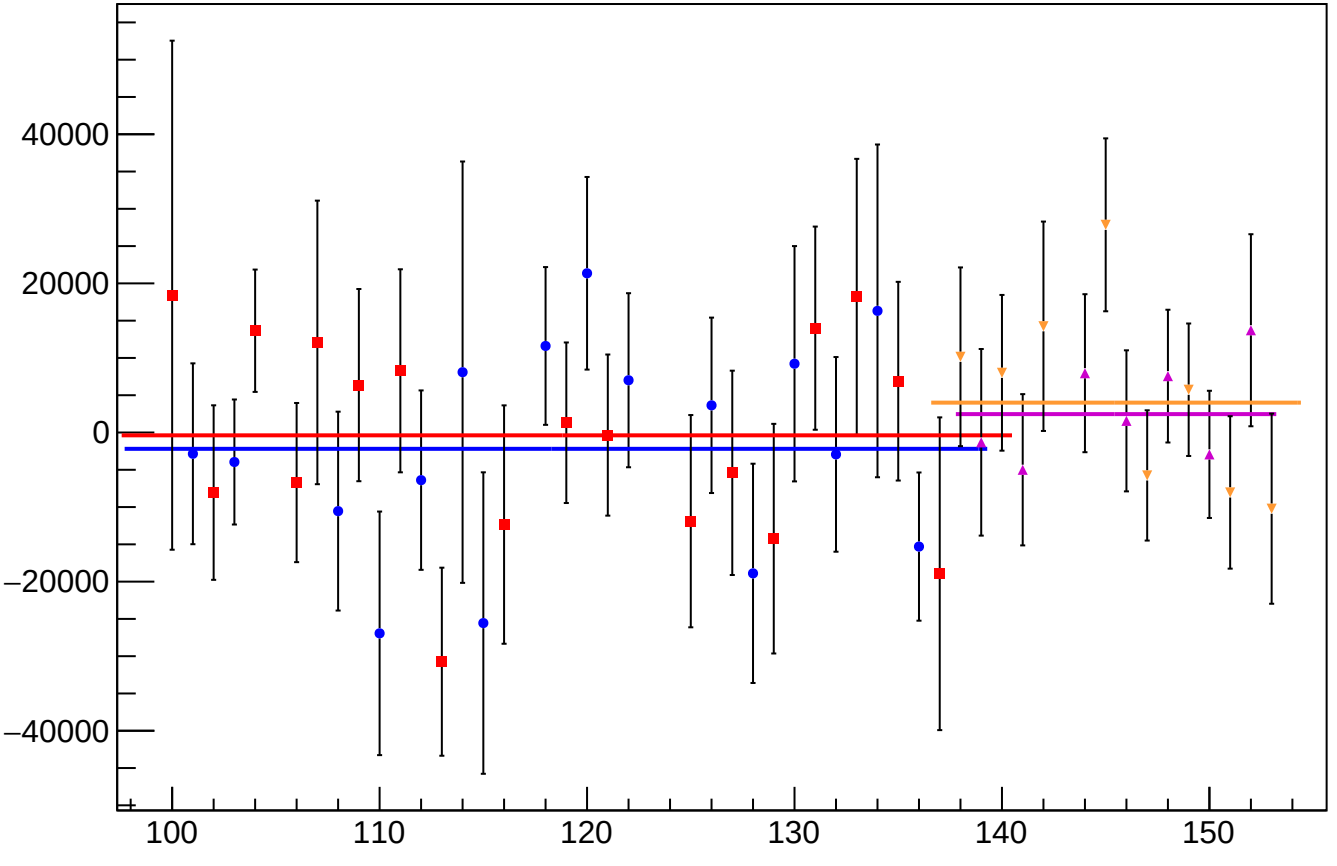
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2223.750+/-0.432 χ^2/NDF:241047.2/22

Out: 2212.244+/-0.429 χ^2/NDF:215624.6/25

All: 2217.955+/-0.304 χ^2/NDF: 457028.8/48

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: 4005.878+/-3775.869 χ^2/NDF:9.1/7

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: 2466.425+/-3818.566 χ^2/NDF:2.4/6

Left: 3244.806+/-2684.911 χ^2/NDF: 11.6/14

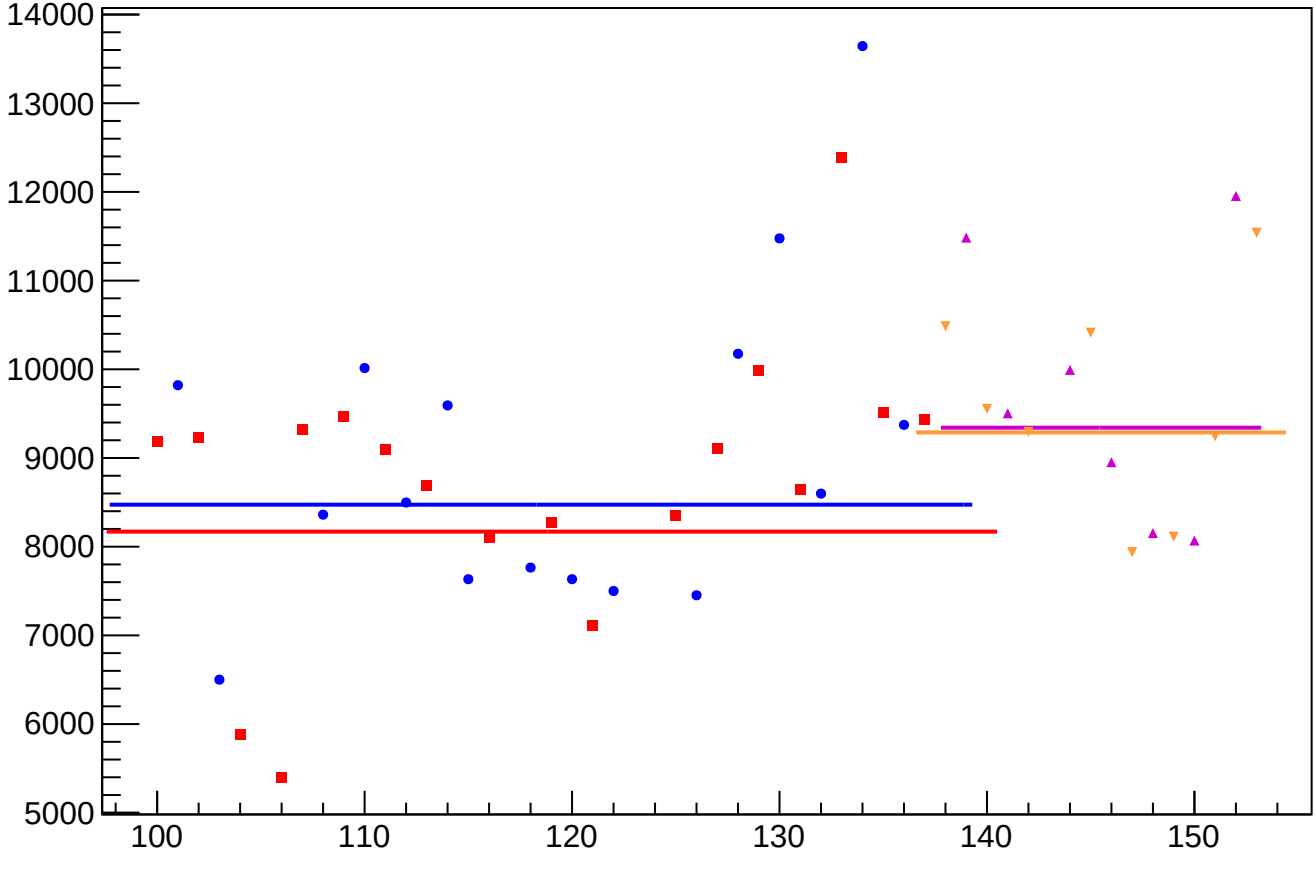
Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -262.566+/-2456.488 χ^2/NDF:17.7/22

Out: 1386.375+/-2395.930 χ^2/NDF:26.2/25

All: 582.480+/-1715.188 χ^2/NDF: 44.2/48

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: 9288.395+/-2.670 χ^2/NDF:185129.7/7

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 9341.867+/-2.700 χ^2/NDF:232498.6/6

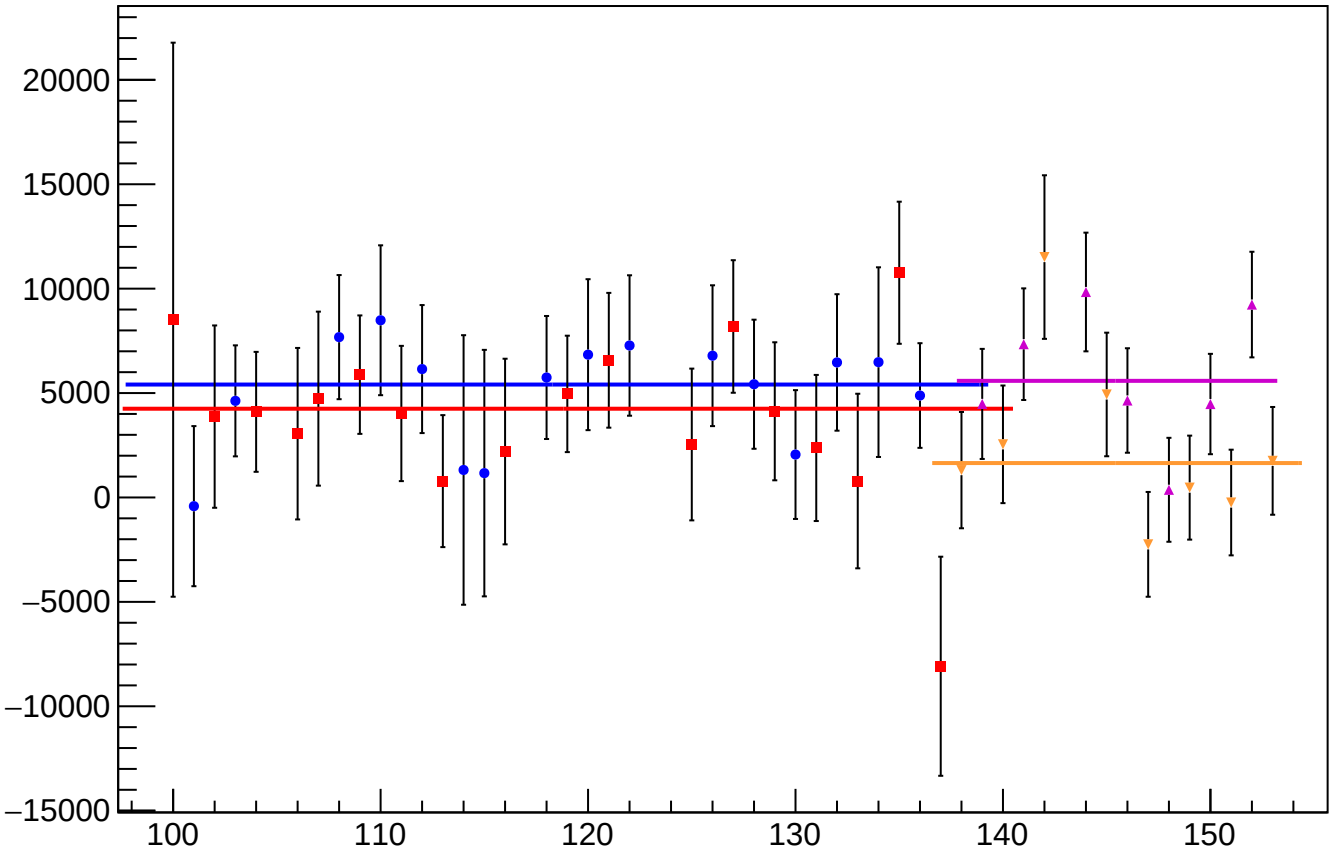
Left: 9314.830+/-1.899 χ^2/NDF: 417826.6/14

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 8833.004+/-1.737 χ^2/NDF:722637.4/22

Out: 8620.324+/-1.694 χ^2/NDF:829865.6/25

All: 8724.010+/-1.213 χ^2/NDF: 1560185.9/48



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 1647.915+/-970.933 χ^2/NDF:10.9/7

Right Out: 4249.899+/-839.336 χ^2/NDF: 14.5/17

Left In: 5584.789+/-972.027 χ^2/NDF:9.7/6

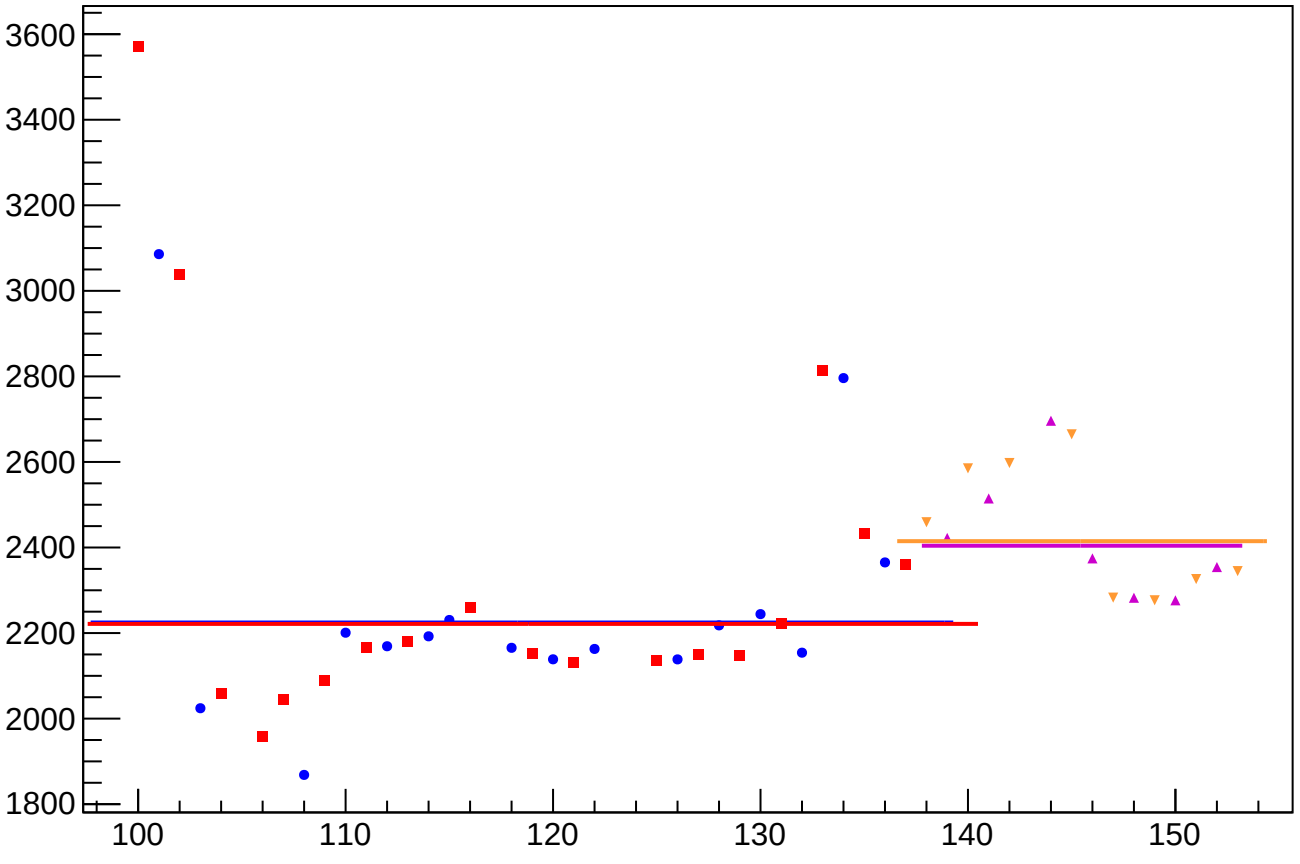
Left: 3614.136+/-686.940 χ^2/NDF: 28.8/14

Right: 4832.791+/-591.493 χ^2/NDF: 22.2/33

In: 5482.853+/-632.815 χ^2/NDF:16.4/22

Out: 3137.064+/-634.969 χ^2/NDF:29.5/25

All: 4313.943+/-448.228 χ^2/NDF: 52.7/48



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2414.818+/-0.687 χ^2/NDF:42024.9/7

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2404.187+/-0.687 χ^2/NDF:36120.0/6

Left: 2409.509+/-0.486 χ^2/NDF: 78264.6/14

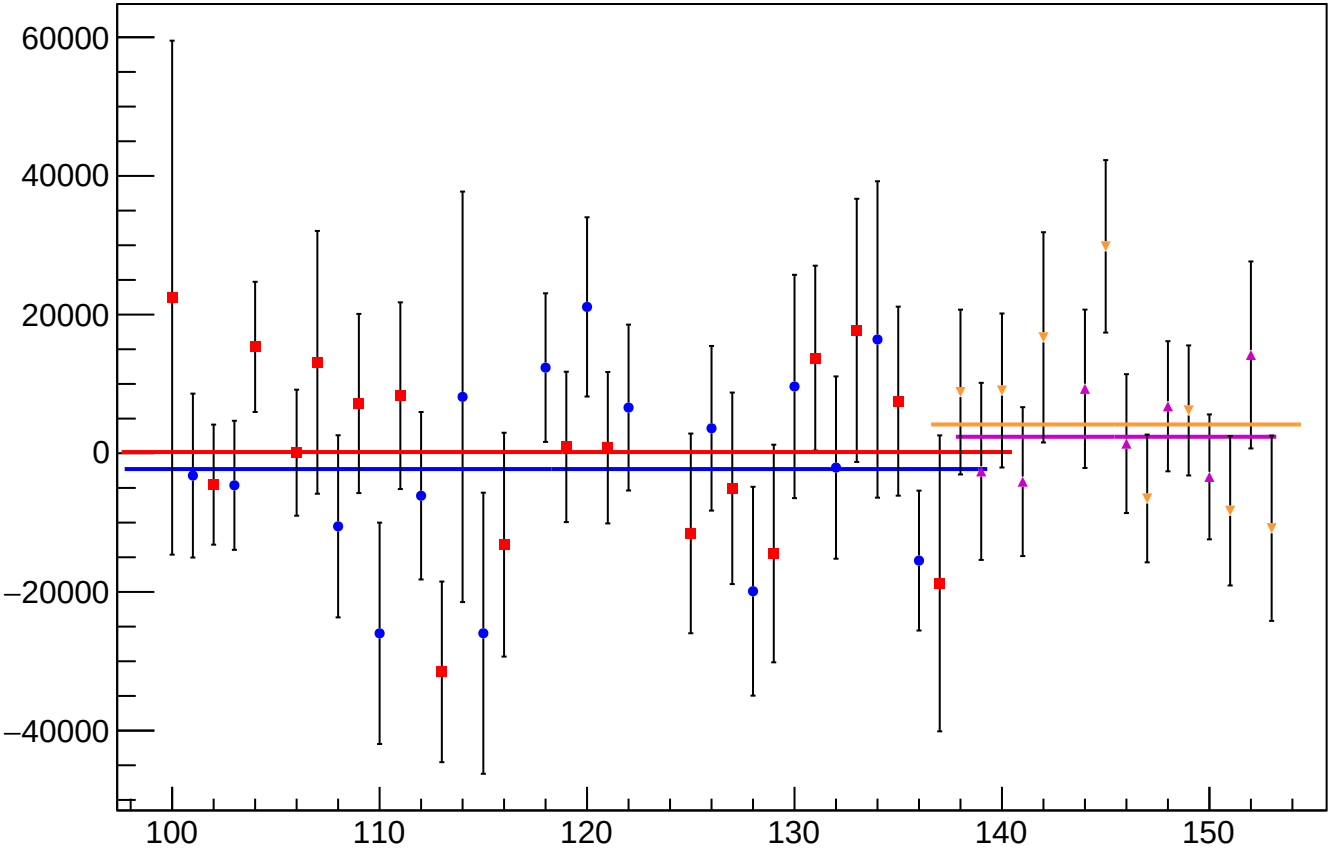
Right: 2223.029+/-0.418 χ^2/NDF: 354638.7/33

In: 2300.724+/-0.447 χ^2/NDF:260128.1/22

Out: 2304.078+/-0.449 χ^2/NDF:257404.5/25

All: 2302.396+/-0.317 χ^2/NDF: 517560.6/48

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: 4152.311+/-3972.978 χ^2/NDF:9.3/7

Right Out: 177.024+/-3035.355 χ^2/NDF: 15.6/17

Left In: 2379.124+/-4028.512 χ^2/NDF:2.3/6

Left: 3278.024+/-2828.749 χ^2/NDF: 11.7/14

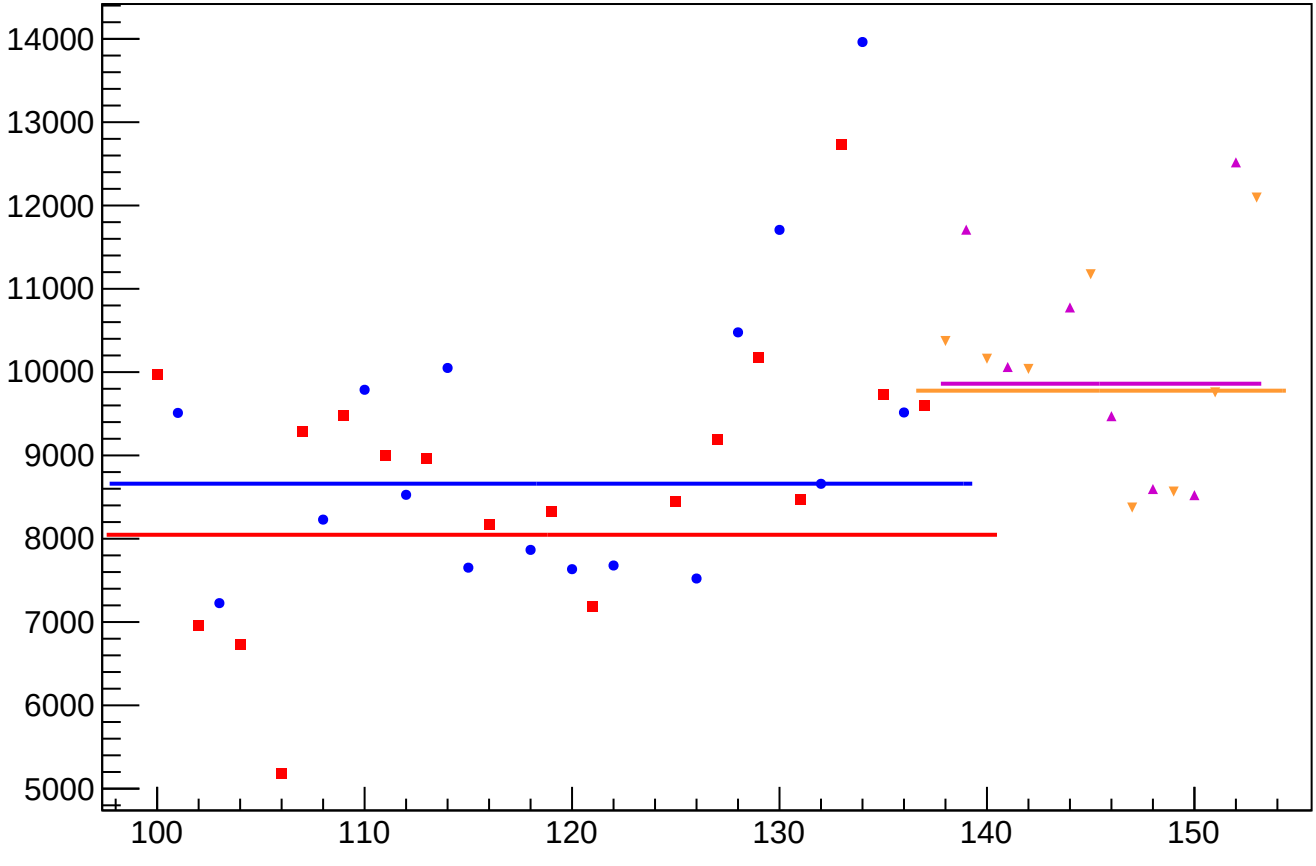
Right: -958.805+/-2225.203 χ^2/NDF: 30.4/33

In: -427.339+/-2539.688 χ^2/NDF:17.6/22

Out: 1642.178+/-2411.979 χ^2/NDF:25.6/25

All: 660.759+/-1748.933 χ^2/NDF: 43.5/48

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: 9777.247+/-2.809 χ^2/NDF:173145.4/7

Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 9860.800+/-2.849 χ^2/NDF:216537.2/6

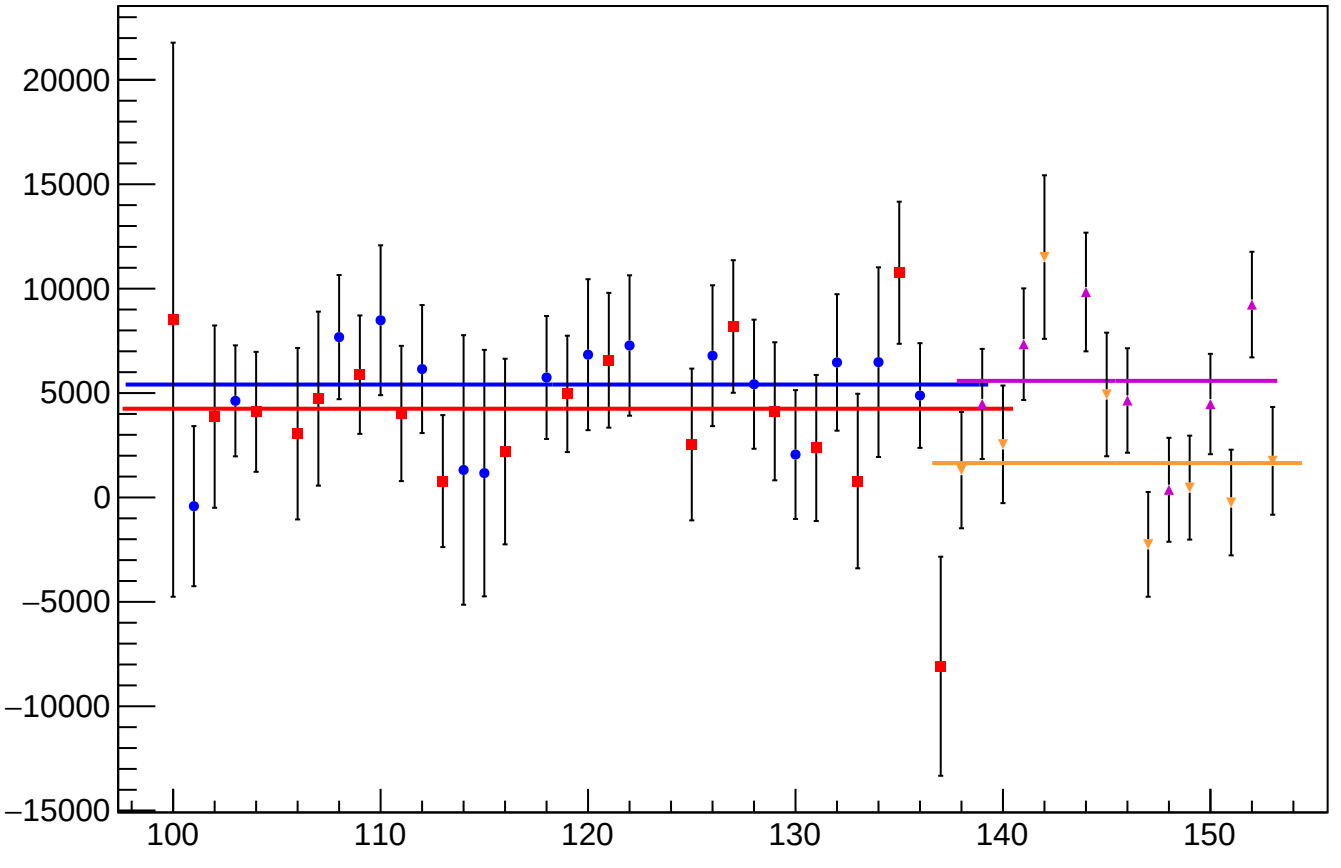
Left: 9818.444+/-2.000 χ^2/NDF: 390118.7/14

Right: 8331.143+/-1.573 χ^2/NDF: 954287.2/33

In: 9137.687+/-1.796 χ^2/NDF:681442.2/22

Out: 8685.000+/-1.706 χ^2/NDF:971098.0/25

All: 8899.676+/-1.237 χ^2/NDF: 1685949.2/48



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 1647.916+/-970.934 χ^2/NDF:10.9/7

Right Out: 4249.903+/-839.335 χ^2/NDF: 14.5/17

Left In: 5584.787+/-972.028 χ^2/NDF:9.7/6

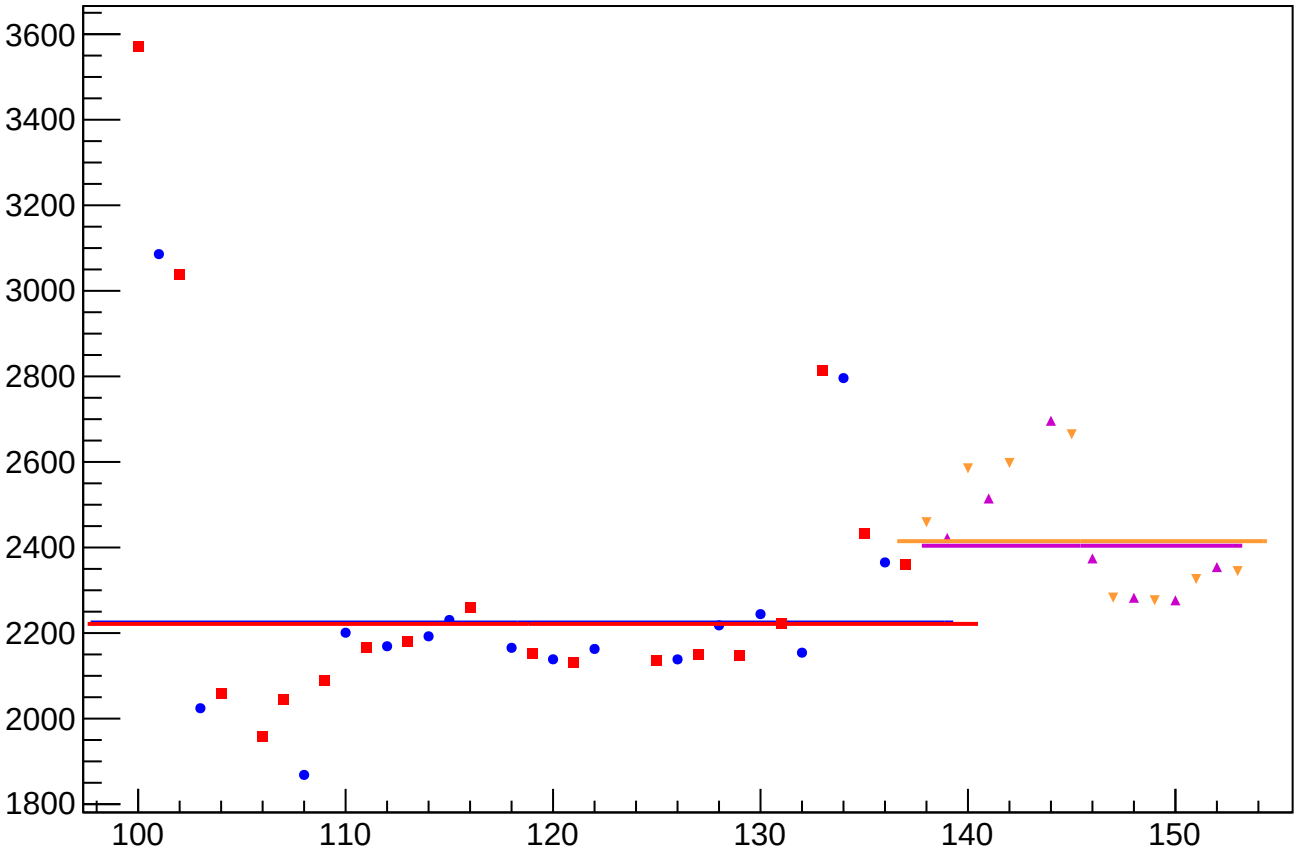
Left: 3614.135+/-686.941 χ^2/NDF: 28.8/14

Right: 4832.794+/-591.493 χ^2/NDF: 22.2/33

In: 5482.853+/-632.816 χ^2/NDF:16.4/22

Out: 3137.069+/-634.969 χ^2/NDF:29.5/25

All: 4313.945+/-448.228 χ^2/NDF: 52.7/48



Right In: 2224.613+/-0.590 χ^2/NDF: 184680.1/15

Left Out: 2414.820+/-0.687 χ^2/NDF:42025.5/7

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2404.190+/-0.687 χ^2/NDF:36120.3/6

Left: 2409.511+/-0.486 χ^2/NDF: 78265.5/14

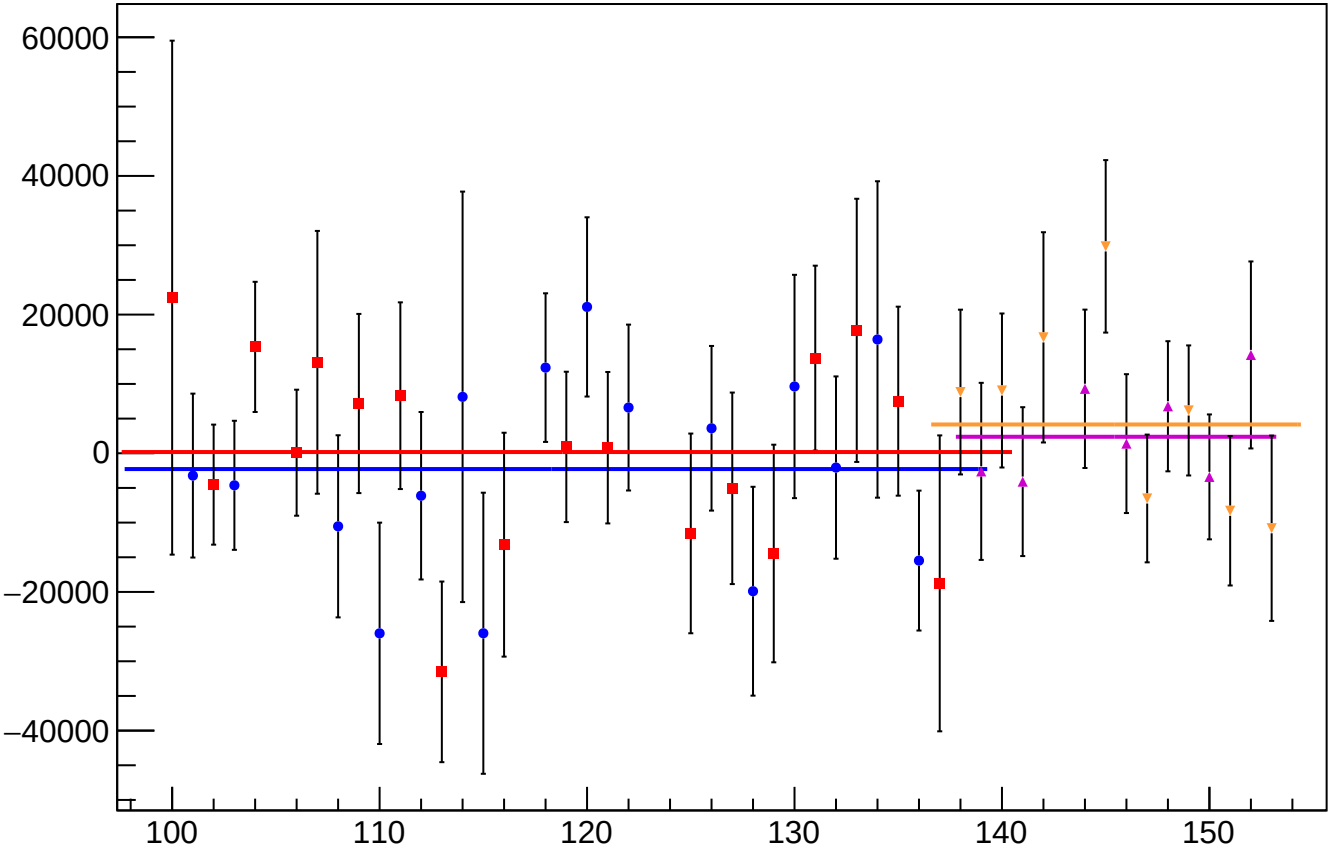
Right: 2223.029+/-0.418 χ^2/NDF: 354639.0/33

In: 2300.724+/-0.447 χ^2/NDF:260130.1/22

Out: 2304.079+/-0.449 χ^2/NDF:257406.5/25

All: 2302.396+/-0.317 χ^2/NDF: 517564.7/48

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: 4152.306+/-3972.983 χ^2/NDF:9.3/7

Right Out: 177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: 2379.122+/-4028.518 χ^2/NDF:2.3/6

Left: 3278.021+/-2828.753 χ^2/NDF: 11.7/14

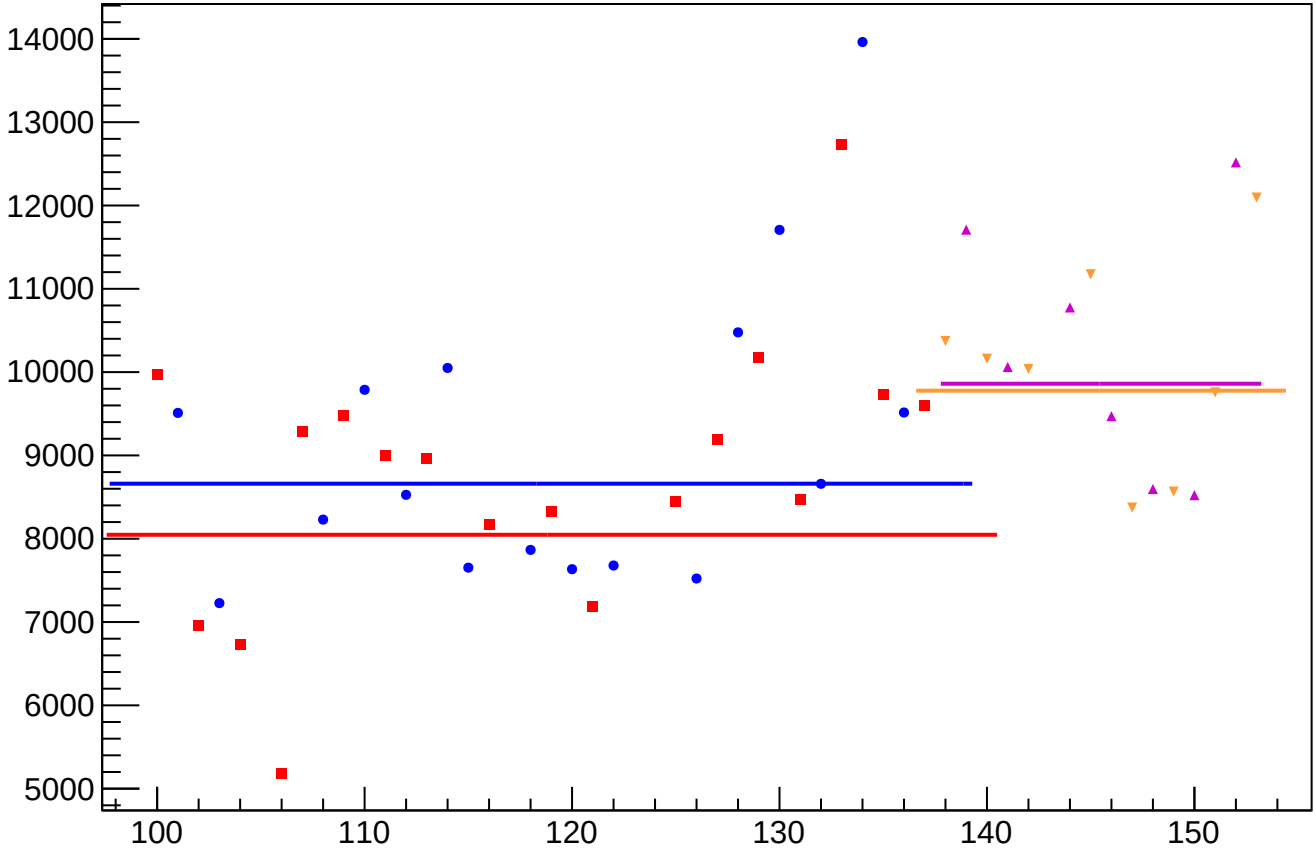
Right: -958.792+/-2225.198 χ^2/NDF: 30.4/33

In: -427.335+/-2539.685 χ^2/NDF:17.6/22

Out: 1642.173+/-2411.977 χ^2/NDF:25.6/25

All: 660.759+/-1748.931 χ^2/NDF: 43.5/48

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 8660.711+/-2.313 χ^2/NDF: 357964.1/15

Left Out: 9777.260+/-2.809 χ^2/NDF:173146.5/7

Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

Left In: 9860.813+/-2.849 χ^2/NDF:216537.9/6

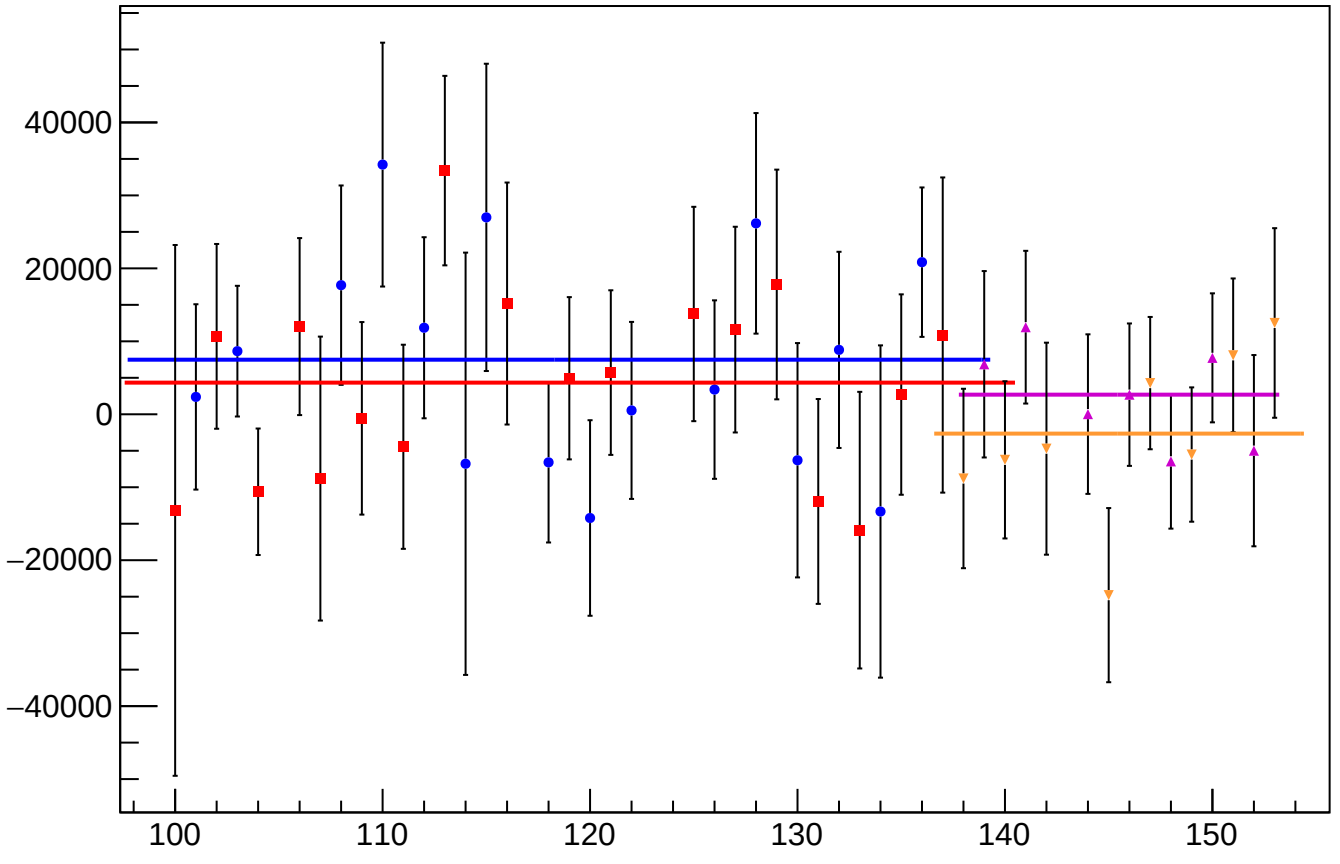
Left: 9818.457+/-2.000 χ^2/NDF: 390120.5/14

Right: 8331.123+/-1.573 χ^2/NDF: 954287.4/33

In: 9137.677+/-1.796 χ^2/NDF:681451.2/22

Out: 8684.991+/-1.706 χ^2/NDF:971105.9/25

All: 8899.667+/-1.237 χ^2/NDF: 1685966.1/48



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: -2648.465+/-3895.851 χ^2/NDF:6.9/7

Right Out: 4338.165+/-3242.620 χ^2/NDF: 14.3/17

Left In: 2689.737+/-3937.716 χ^2/NDF:2.6/6

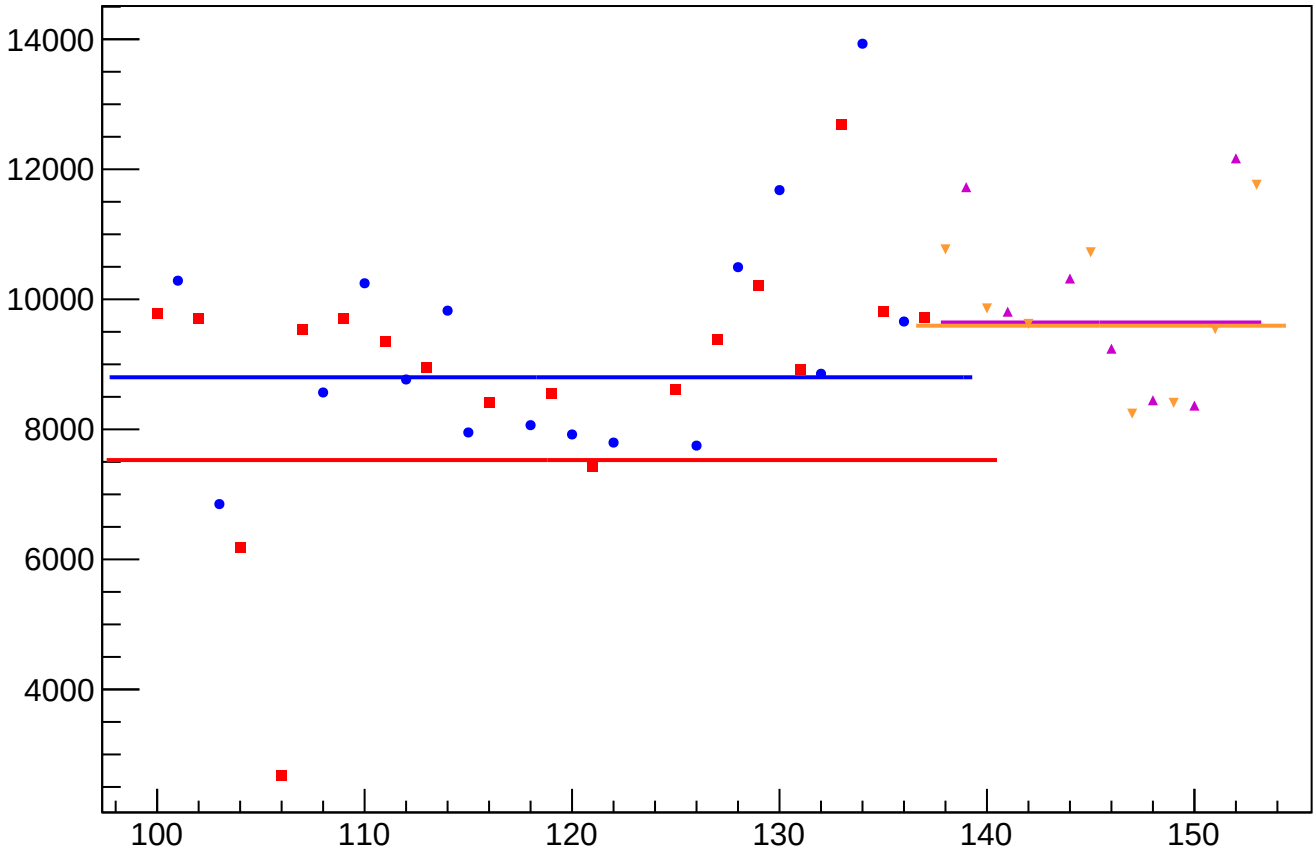
Left: -7.893+/-2769.466 χ^2/NDF: 10.4/14

Right: 5867.751+/-2323.467 χ^2/NDF: 28.8/33

In: 5483.034+/-2543.093 χ^2/NDF:17.5/22

Out: 1478.877+/-2492.283 χ^2/NDF:23.1/25

All: 3440.555+/-1780.003 χ^2/NDF: 41.9/48



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 9594.470+/-2.755 χ^2/NDF:170784.8/7

Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 9643.798+/-2.784 χ^2/NDF:214274.3/6

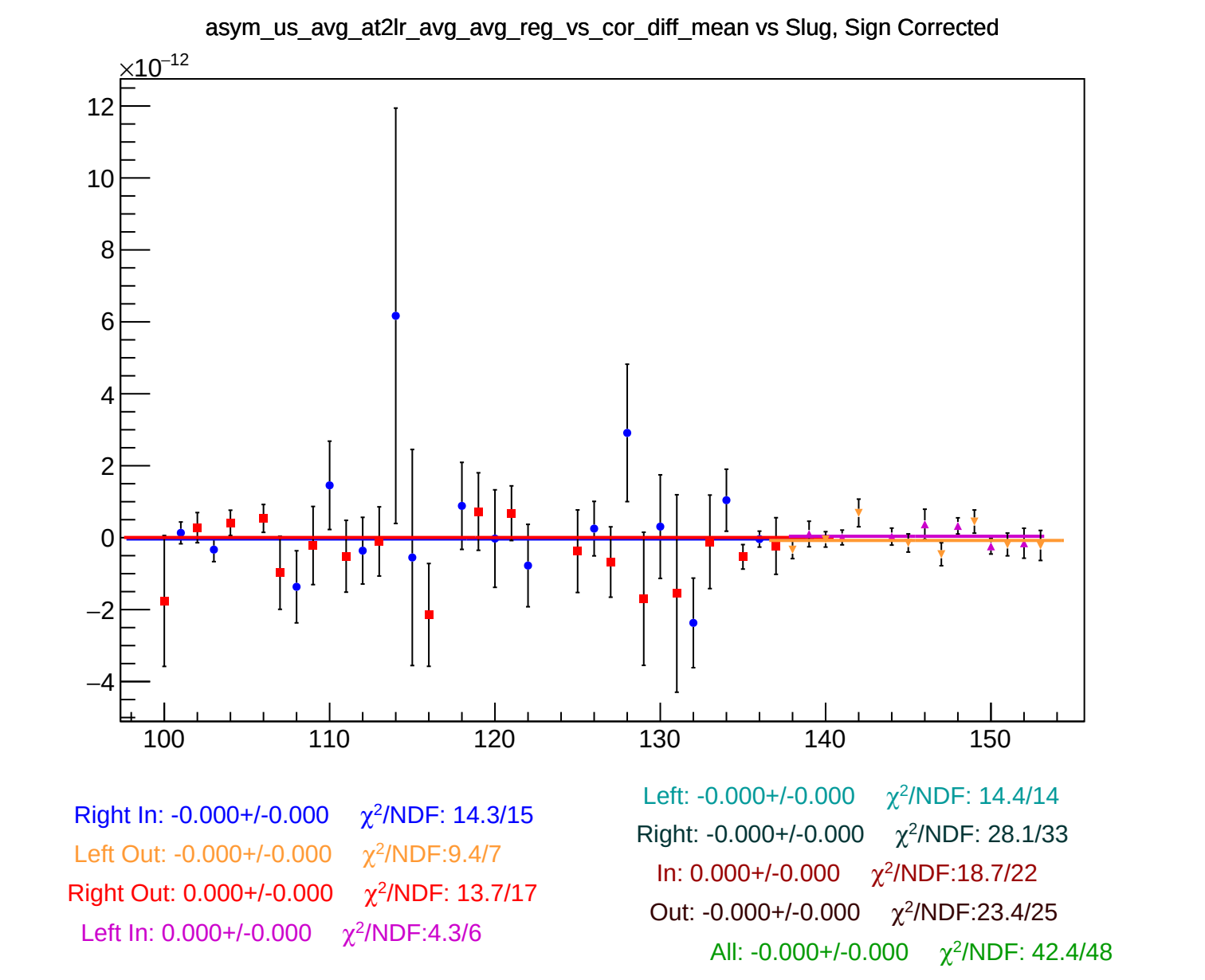
Left: 9618.870+/-1.958 χ^2/NDF: 385217.8/14

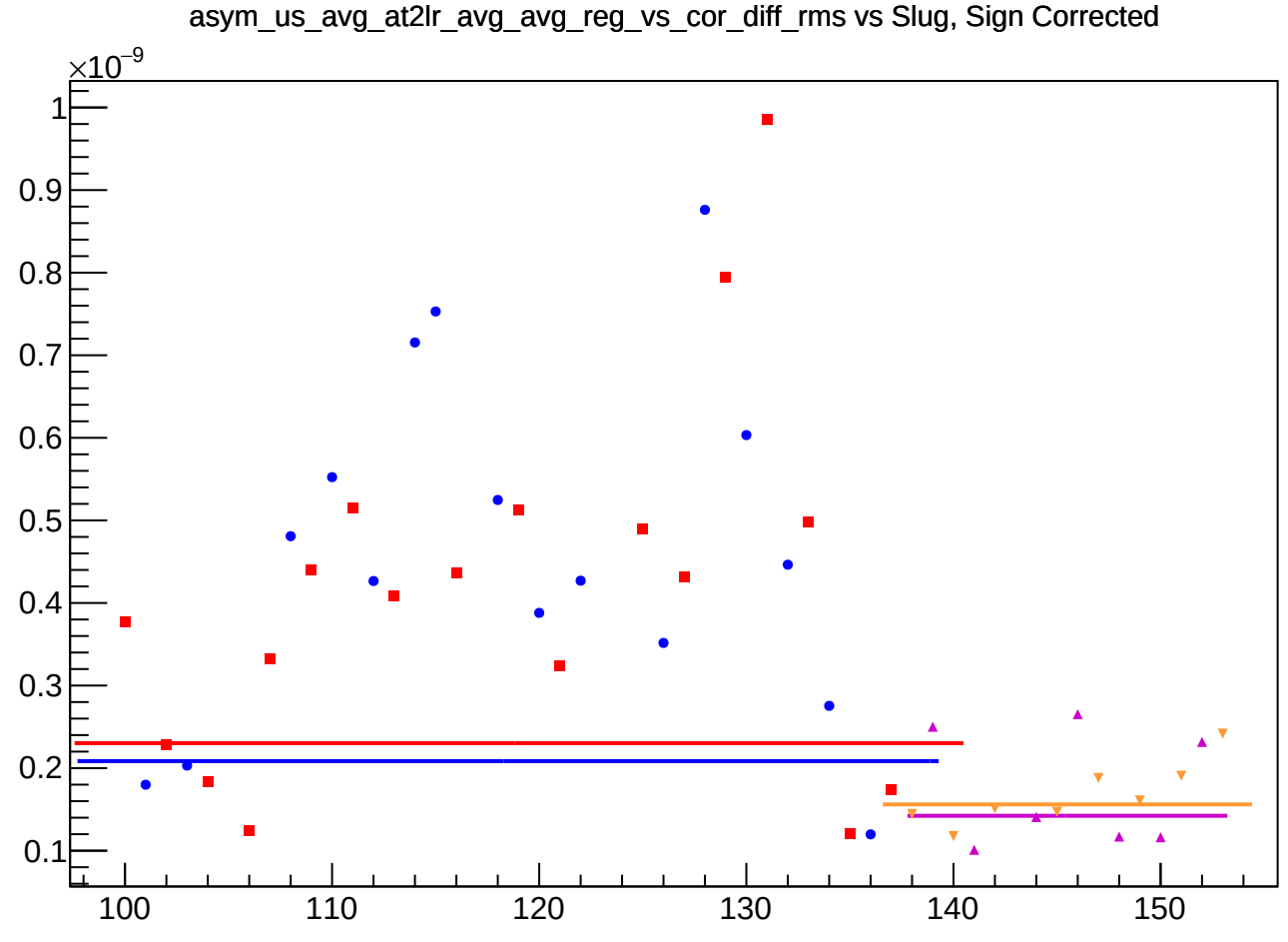
Right: 8100.150+/-1.579 χ^2/NDF: 2212756.1/33

In: 9152.566+/-1.798 χ^2/NDF:662246.0/22

Out: 8300.295+/-1.684 χ^2/NDF:2180527.5/25

All: 8698.559+/-1.229 χ^2/NDF: 2962434.4/48


asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
12
10
8
6
4
2
0
−2
−4
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 14.3/15
Left Out: -0.000+/-0.000 χ²/NDF:9.4/7
Right Out: 0.000+/-0.000 χ²/NDF: 13.7/17
Left In: 0.000+/-0.000 χ²/NDF:4.3/6
Left: -0.000+/-0.000 χ²/NDF: 14.4/14
Right: -0.000+/-0.000 χ²/NDF: 28.1/33
In: 0.000+/-0.000 χ²/NDF:18.7/22
Out: -0.000+/-0.000 χ²/NDF:23.4/25
All: -0.000+/-0.000 χ²/NDF: 42.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:200182.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:584015.0/6

Left: 0.000+/-0.000 χ^2/NDF: 802993.4/14

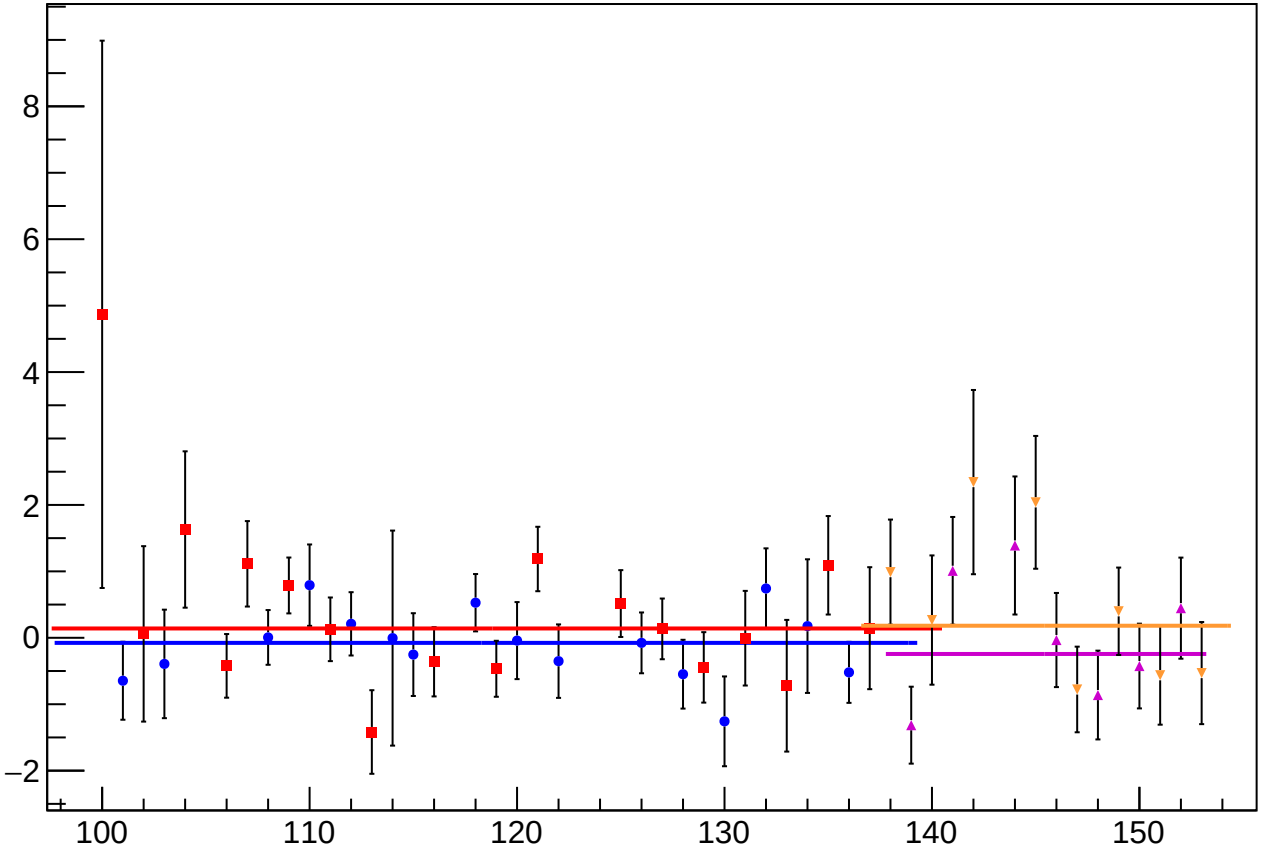
Right: 0.000+/-0.000 χ^2/NDF: 3215206.8/33

In: 0.000+/-0.000 χ^2/NDF:2510669.9/22

Out: 0.000+/-0.000 χ^2/NDF:2076971.8/25

All: 0.000+/-0.000 χ^2/NDF: 4617441.9/48

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: 0.182+/-0.284 χ^2/NDF:11.1/7

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.244+/-0.269 χ^2/NDF:10.1/6

Left: -0.043+/-0.195 χ^2/NDF: 22.4/14

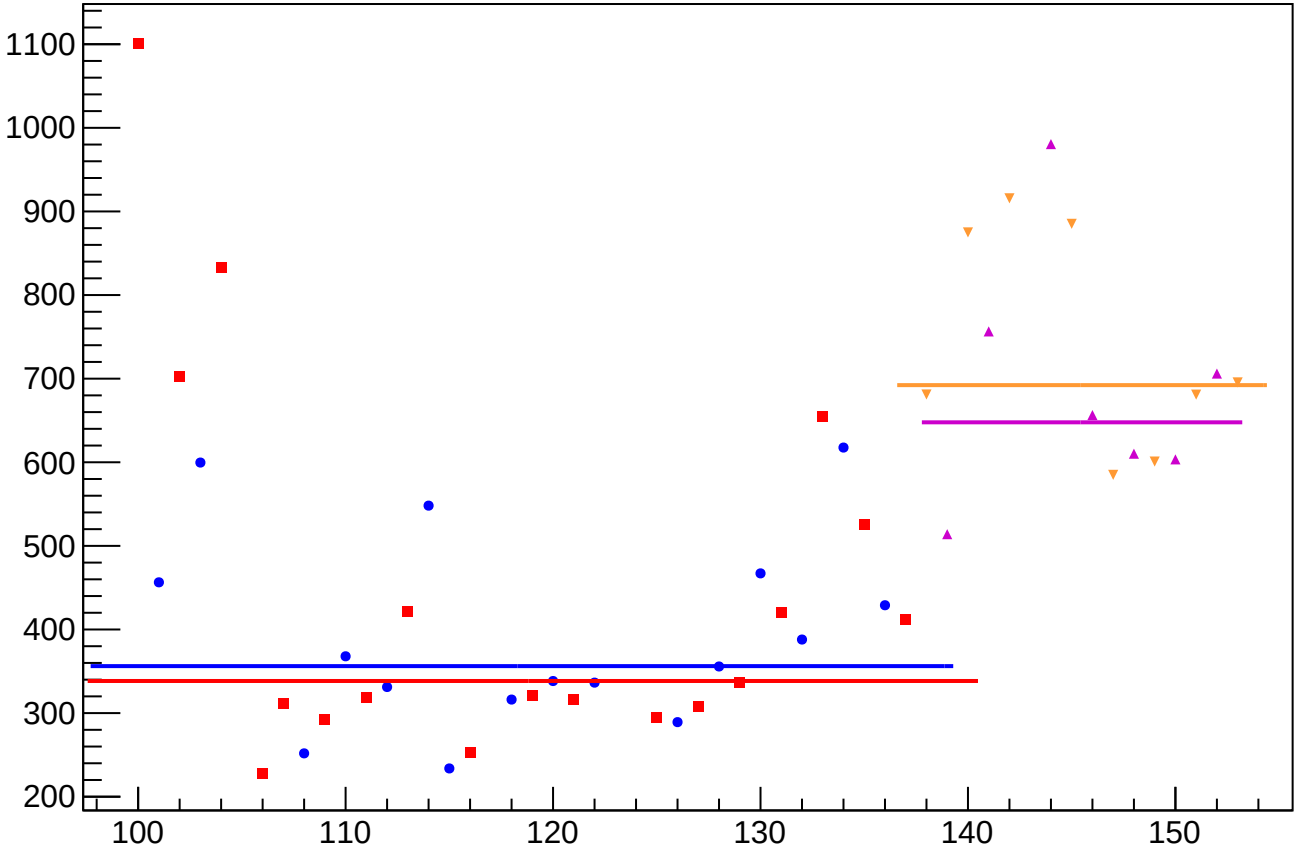
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.112+/-0.124 χ^2/NDF:22.9/22

Out: 0.148+/-0.124 χ^2/NDF:38.1/25

All: 0.018+/-0.088 χ^2/NDF: 63.3/48

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: 692.263+/-0.201 χ^2/NDF:291829.2/7

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 647.773+/-0.190 χ^2/NDF:375816.6/6

Left: 668.783+/-0.138 χ^2/NDF: 693530.4/14

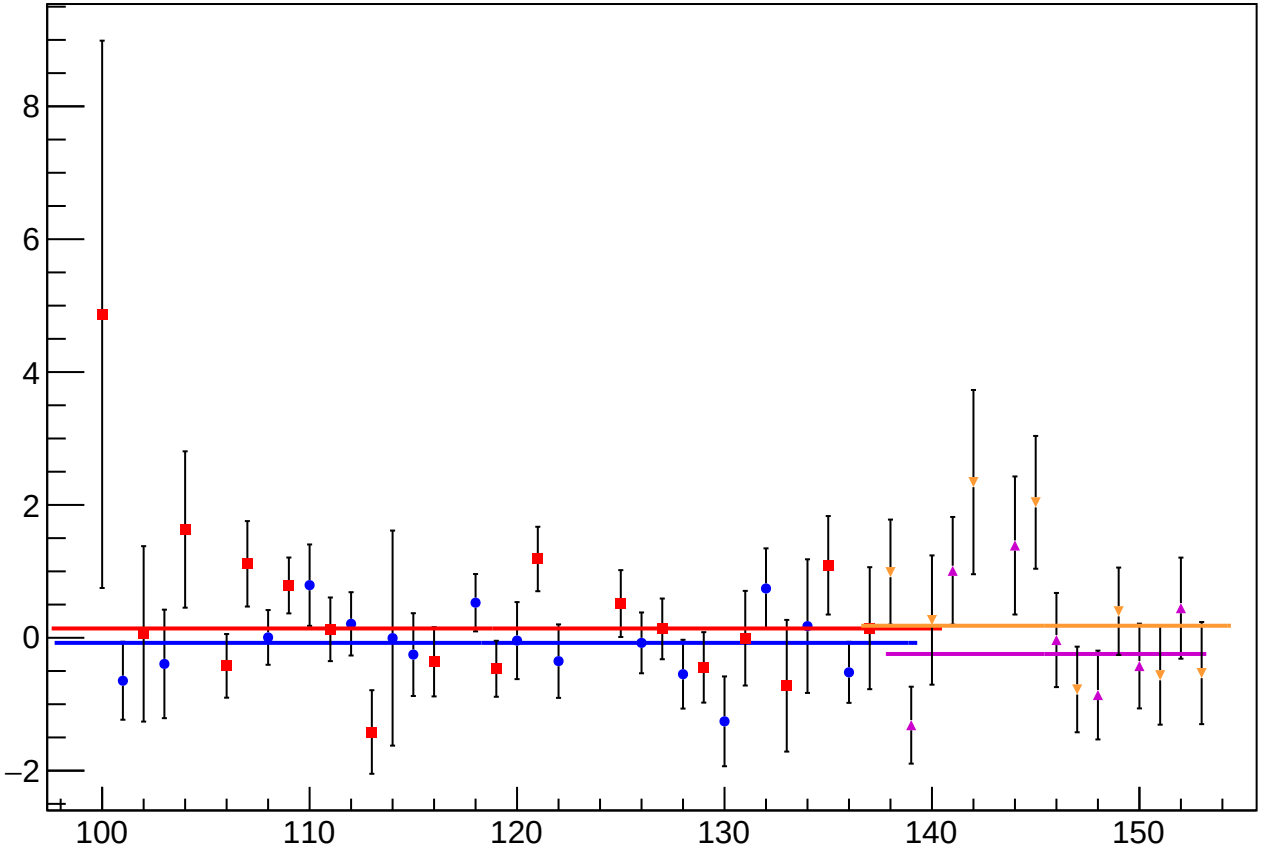
Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 418.359+/-0.088 χ^2/NDF:3013309.0/22

Out: 405.940+/-0.088 χ^2/NDF:4005649.9/25

All: 412.150+/-0.062 χ^2/NDF: 7028974.2/48

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: 0.182+/-0.284 χ^2/NDF:11.1/7

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.244+/-0.269 χ^2/NDF:10.1/6

Left: -0.043+/-0.195 χ^2/NDF: 22.4/14

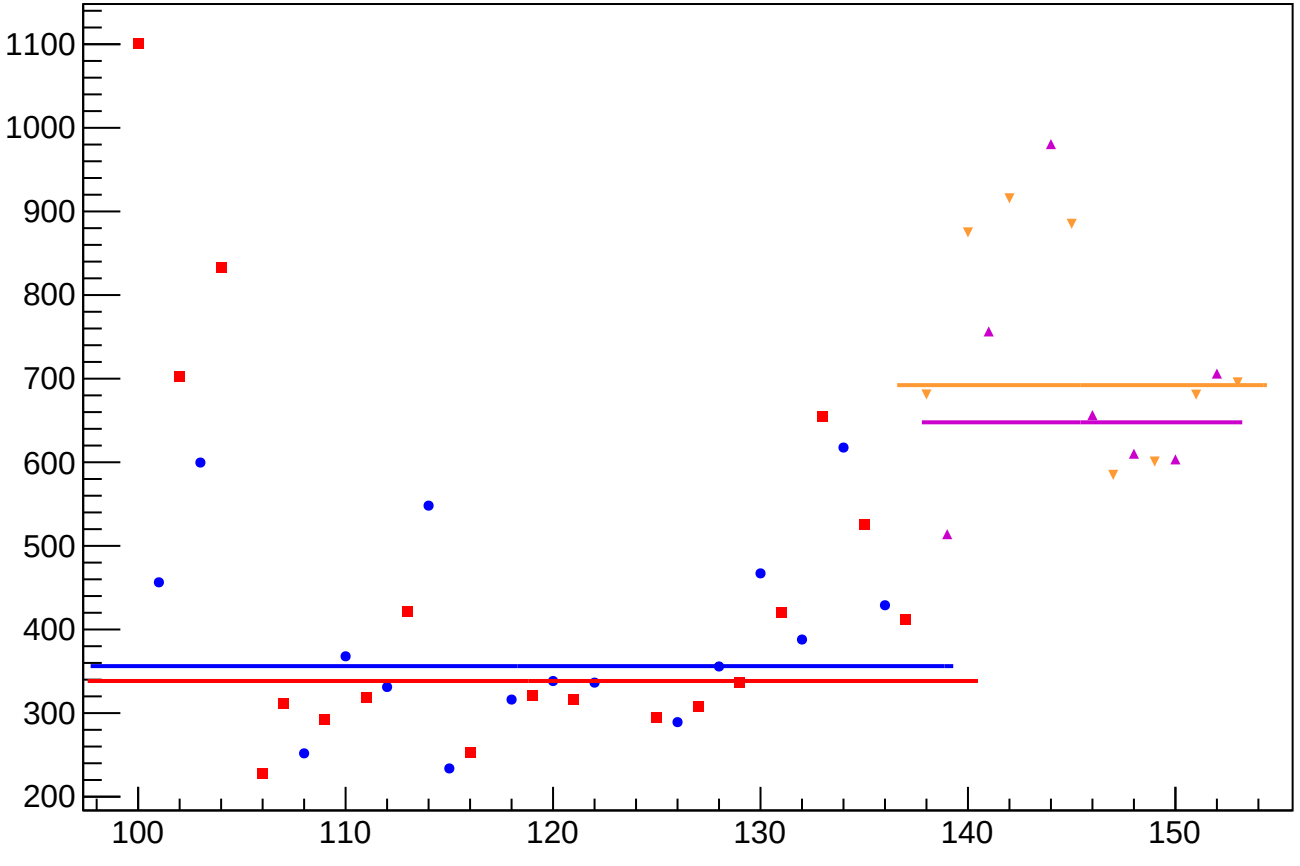
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.112+/-0.124 χ^2/NDF:22.9/22

Out: 0.148+/-0.124 χ^2/NDF:38.1/25

All: 0.018+/-0.088 χ^2/NDF: 63.3/48

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 692.263+/-0.201 χ^2/NDF:291829.2/7

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 647.773+/-0.190 χ^2/NDF:375816.6/6

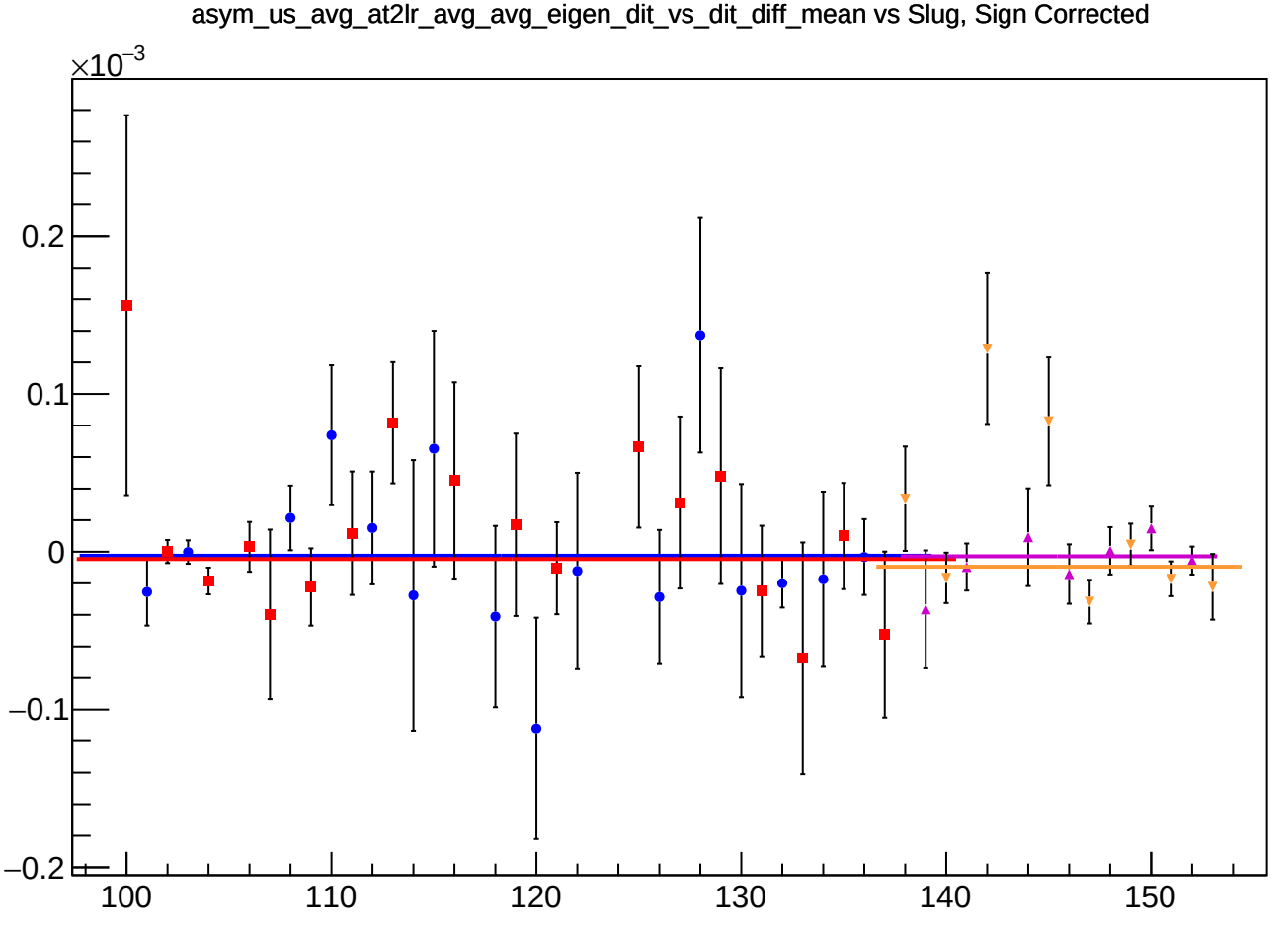
Left: 668.783+/-0.138 χ^2/NDF: 693530.4/14

Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

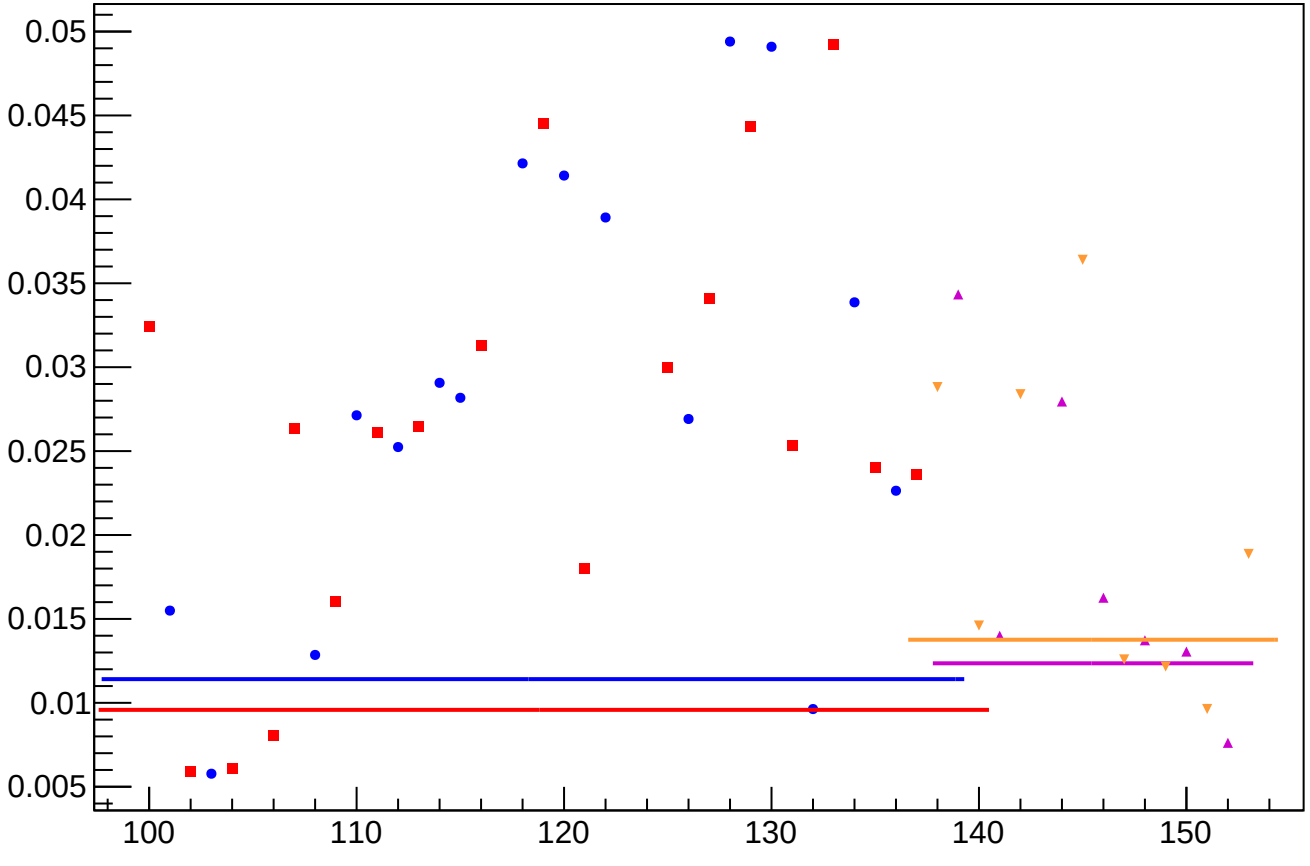
In: 418.359+/-0.088 χ^2/NDF:3013309.0/22

Out: 405.940+/-0.088 χ^2/NDF:4005649.9/25

All: 412.150+/-0.062 χ^2/NDF: 7028974.2/48


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 15.0/15
Left Out: -0.000+/-0.000 χ²/NDF:20.0/7
Right Out: -0.000+/-0.000 χ²/NDF: 17.1/17
Left In: -0.000+/-0.000 χ²/NDF:3.3/6
Left: -0.000+/-0.000 χ²/NDF: 23.9/14
Right: -0.000+/-0.000 χ²/NDF: 32.2/33
In: -0.000+/-0.000 χ²/NDF:18.3/22
Out: -0.000+/-0.000 χ²/NDF:37.5/25
All: -0.000+/-0.000 χ²/NDF: 56.3/48

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 5500651.2/15

Left Out: 0.014+/-0.000 χ^2/NDF:1676989.8/7

Right Out: 0.010+/-0.000 χ^2/NDF: 5787700.4/17

Left In: 0.012+/-0.000 χ^2/NDF:1902789.4/6

Left: 0.013+/-0.000 χ^2/NDF: 3637508.5/14

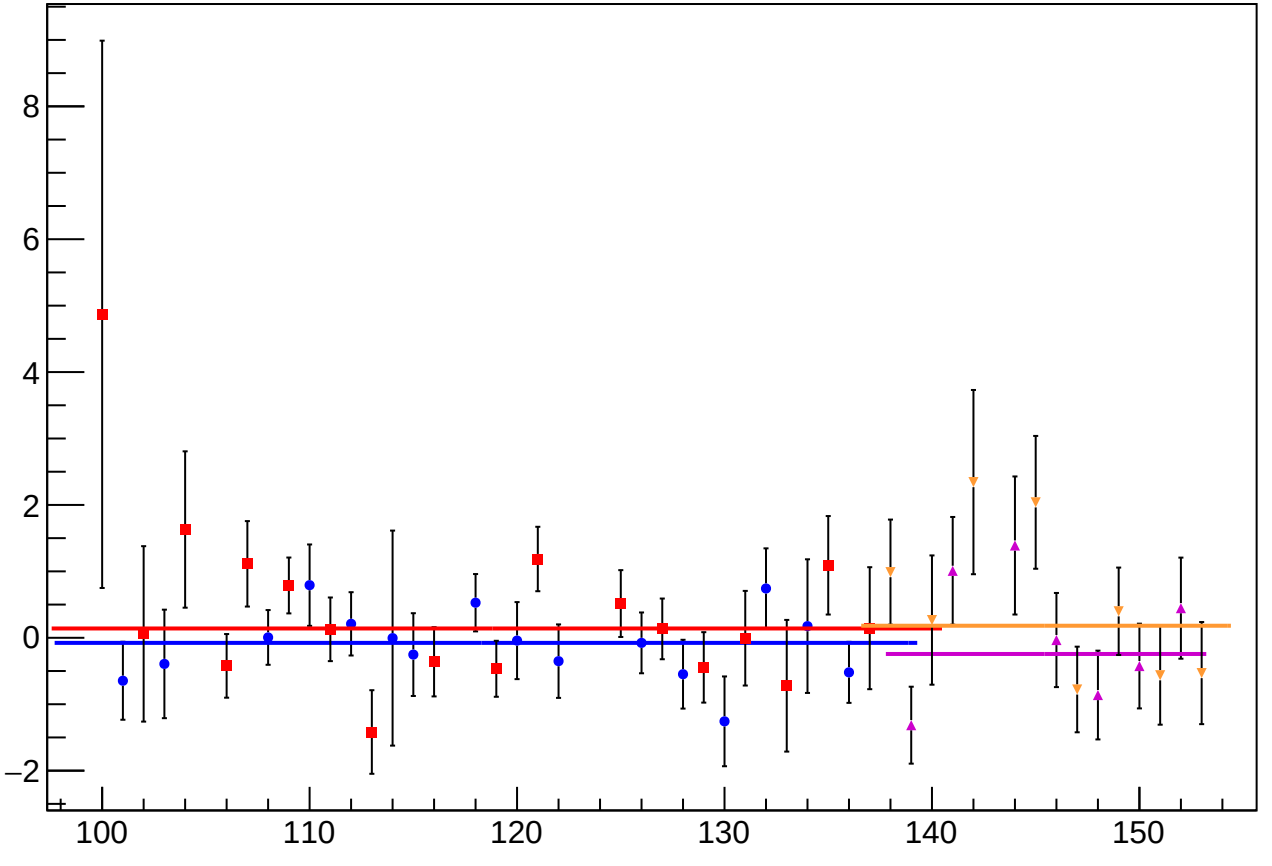
Right: 0.010+/-0.000 χ^2/NDF: 11414181.9/33

In: 0.012+/-0.000 χ^2/NDF:7431816.1/22

Out: 0.011+/-0.000 χ^2/NDF:8057245.0/25

All: 0.011+/-0.000 χ^2/NDF: 15523631.7/48

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: 0.182+/-0.284 χ^2/NDF:11.1/7

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.244+/-0.269 χ^2/NDF:10.1/6

Left: -0.043+/-0.195 χ^2/NDF: 22.4/14

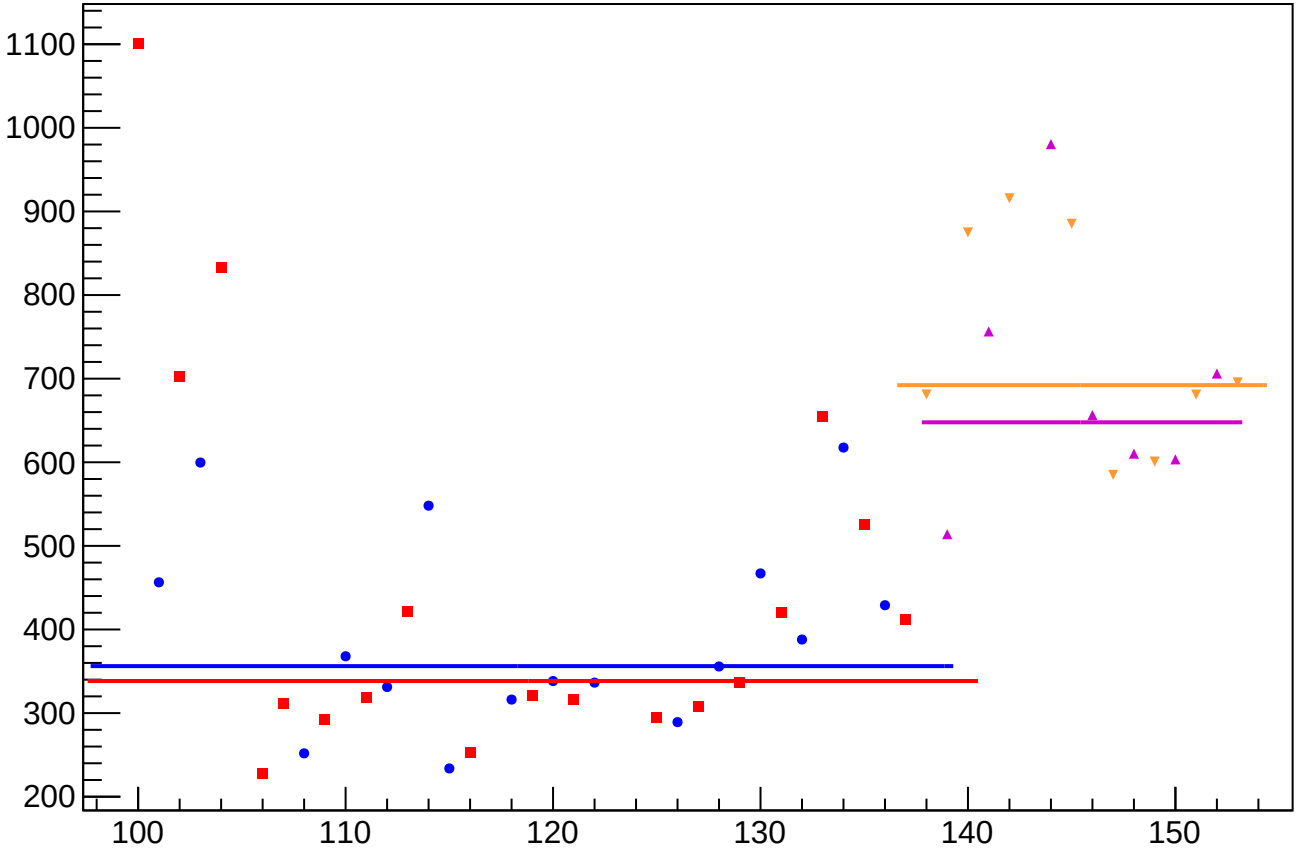
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.112+/-0.124 χ^2/NDF:22.9/22

Out: 0.148+/-0.124 χ^2/NDF:38.1/25

All: 0.018+/-0.088 χ^2/NDF: 63.3/48

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: 692.271+/-0.201 χ^2/NDF:291834.2/7

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 647.782+/-0.190 χ^2/NDF:375803.5/6

Left: 668.792+/-0.138 χ^2/NDF: 693519.9/14

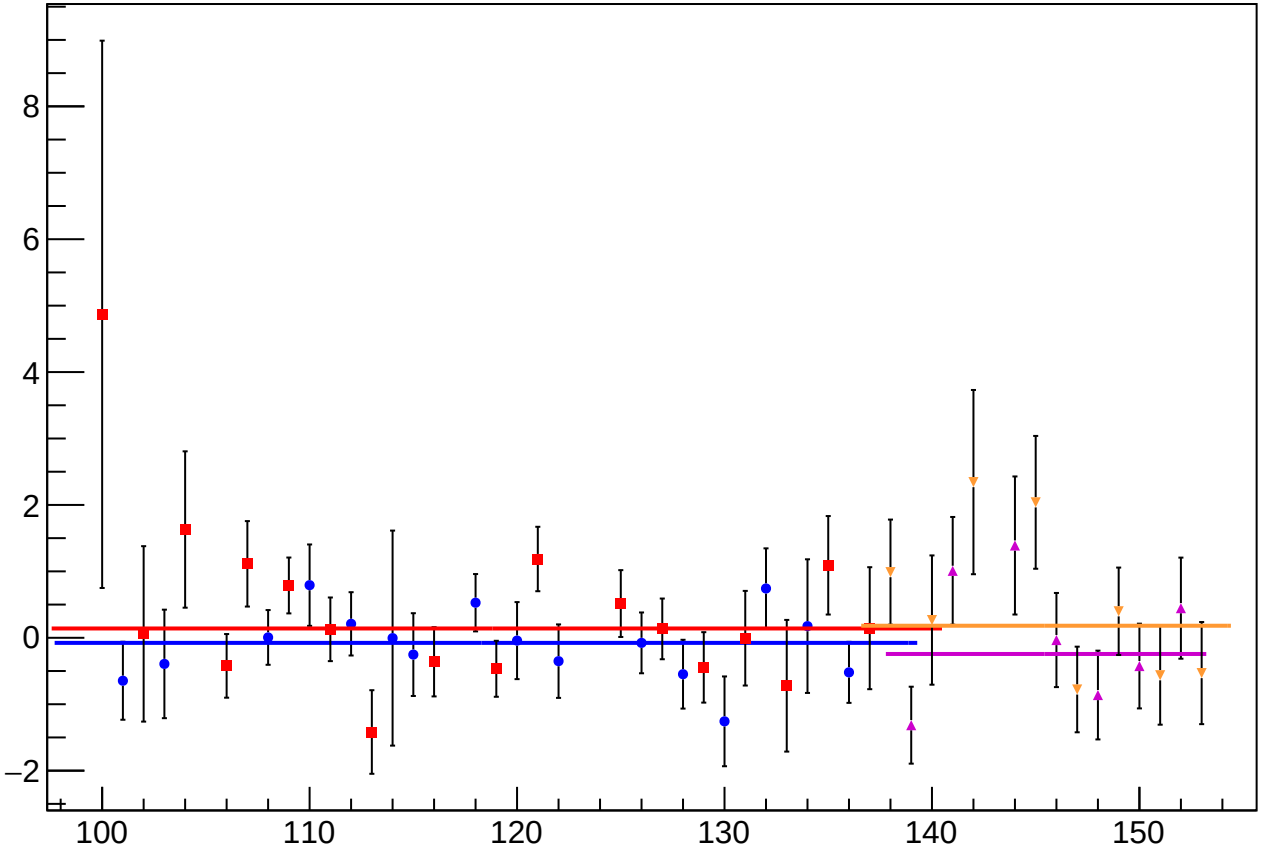
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 418.358+/-0.088 χ^2/NDF:3013360.0/22

Out: 405.937+/-0.088 χ^2/NDF:4005733.6/25

All: 412.149+/-0.062 χ^2/NDF: 7029110.9/48

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: 0.182+/-0.284 χ^2/NDF:11.1/7

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.244+/-0.269 χ^2/NDF:10.1/6

Left: -0.043+/-0.195 χ^2/NDF: 22.4/14

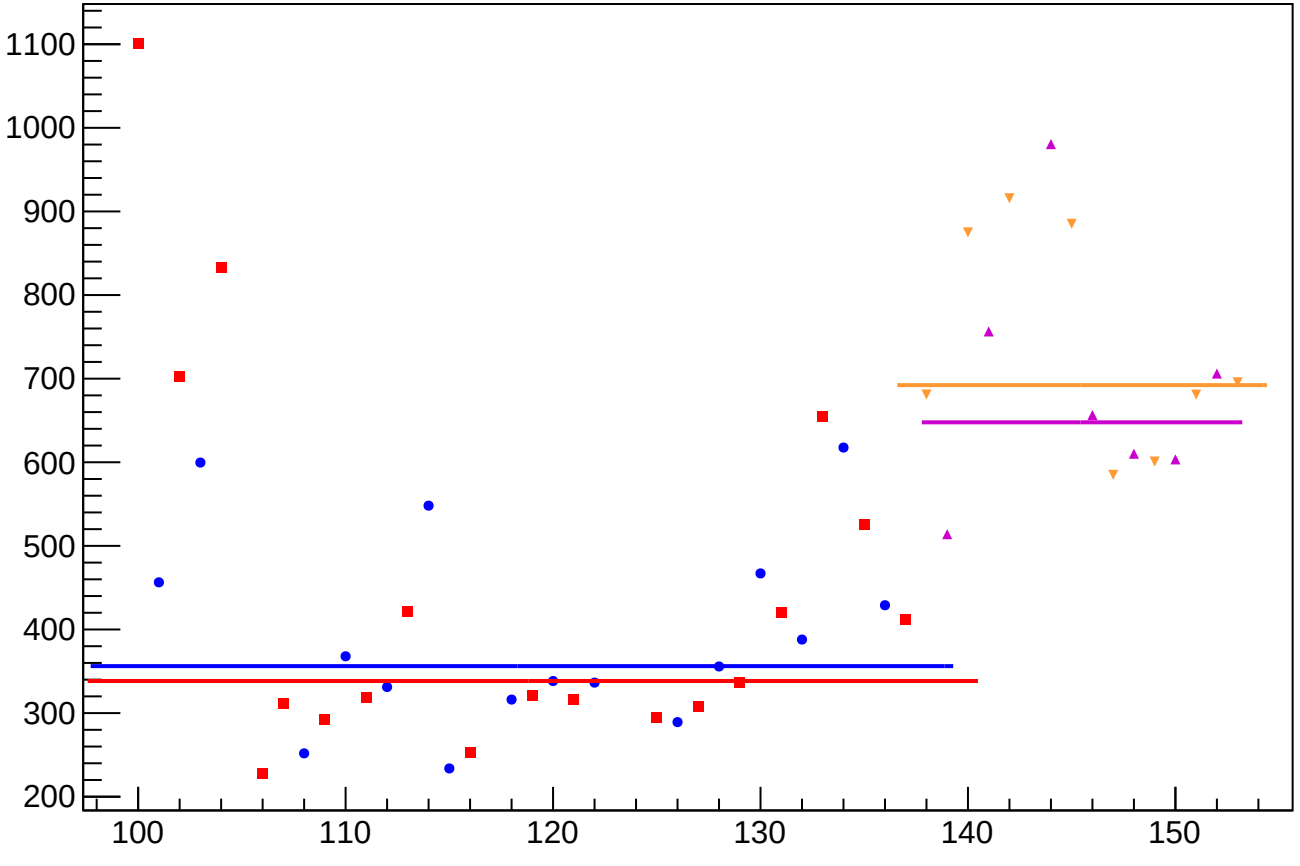
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.112+/-0.124 χ^2/NDF:22.9/22

Out: 0.148+/-0.124 χ^2/NDF:38.1/25

All: 0.018+/-0.088 χ^2/NDF: 63.3/48

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: 692.271+/-0.201 χ^2/NDF:291834.2/7

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 647.782+/-0.190 χ^2/NDF:375803.5/6

Left: 668.792+/-0.138 χ^2/NDF: 693519.9/14

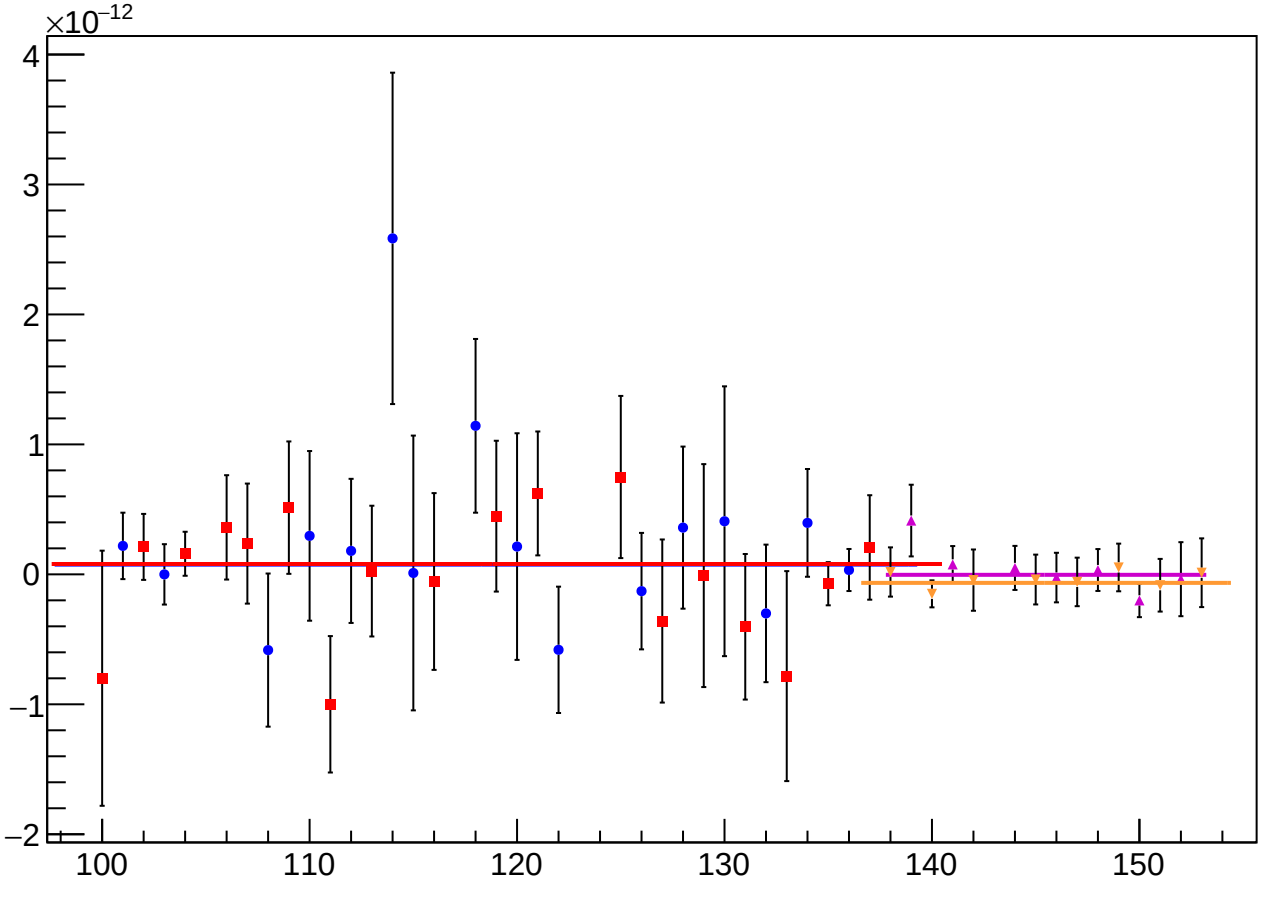
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 418.358+/-0.088 χ^2/NDF:3013360.0/22

Out: 405.937+/-0.088 χ^2/NDF:4005733.6/25

All: 412.149+/-0.062 χ^2/NDF: 7029110.9/48

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:1.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 13.1/17

Left In: -0.000+/-0.000 χ^2/NDF:5.1/6

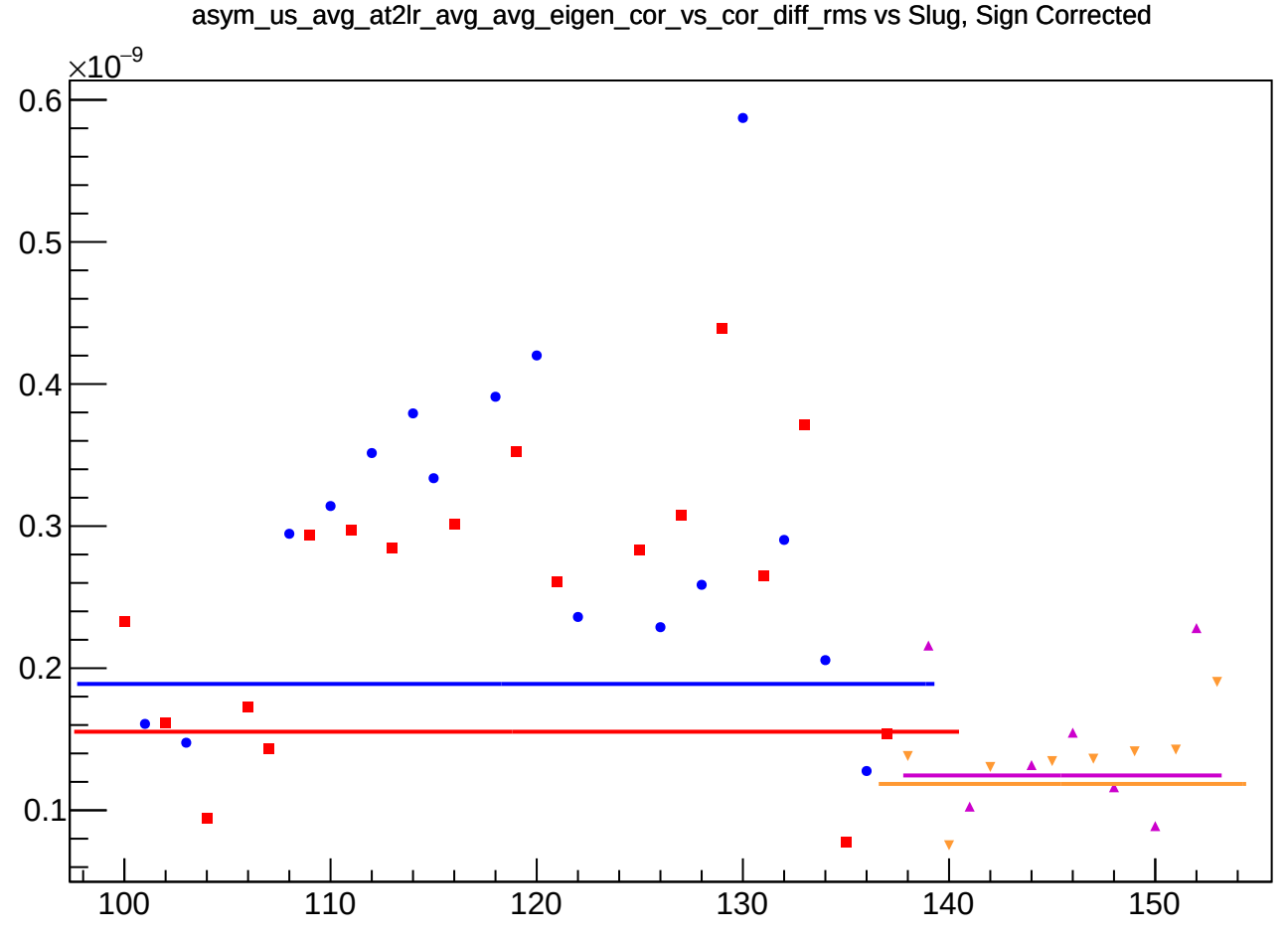
Left: -0.000+/-0.000 χ^2/NDF: 7.0/14

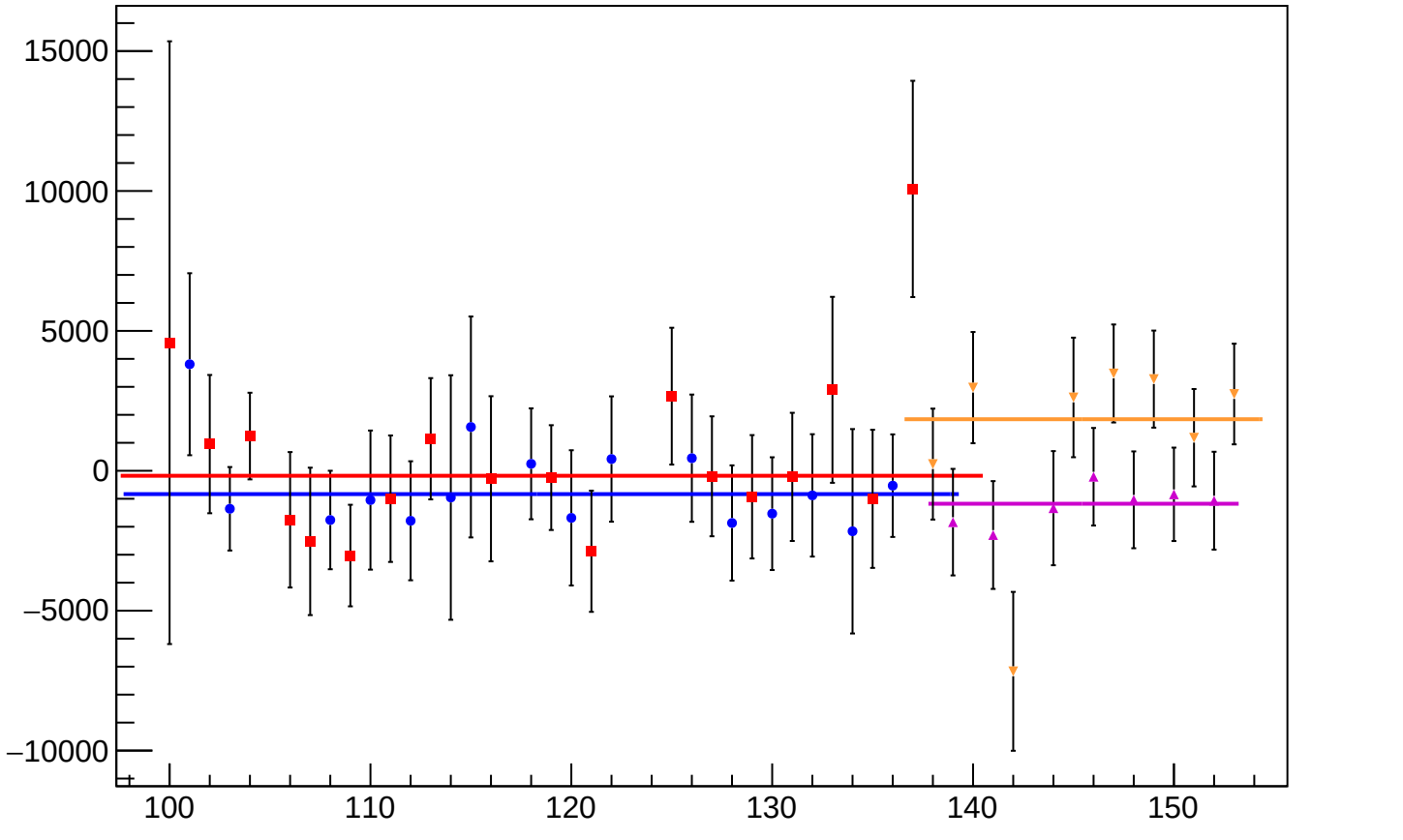
Right: 0.000+/-0.000 χ^2/NDF: 24.9/33

In: 0.000+/-0.000 χ^2/NDF:17.4/22

Out: -0.000+/-0.000 χ^2/NDF:16.4/25

All: 0.000+/-0.000 χ^2/NDF: 34.0/48


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
Right In: 0.000+/-0.000 χ²/NDF: 1520620.9/15
Left Out: 0.000+/-0.000 χ²/NDF:610968.4/7
Right Out: 0.000+/-0.000 χ²/NDF: 2200687.6/17
Left In: 0.000+/-0.000 χ²/NDF:744956.2/6
Left: 0.000+/-0.000 χ²/NDF: 1364777.5/14
Right: 0.000+/-0.000 χ²/NDF: 3857679.7/33
In: 0.000+/-0.000 χ²/NDF:2879455.2/22
Out: 0.000+/-0.000 χ²/NDF:3054533.5/25
All: 0.000+/-0.000 χ²/NDF: 6001547.7/48



Right In: -833.479+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1842.666+/-682.295 χ^2/NDF:13.1/7

Right Out: -178.292+/-547.824 χ^2/NDF: 16.5/17

Left In: -1177.983+/-684.525 χ^2/NDF:0.8/6

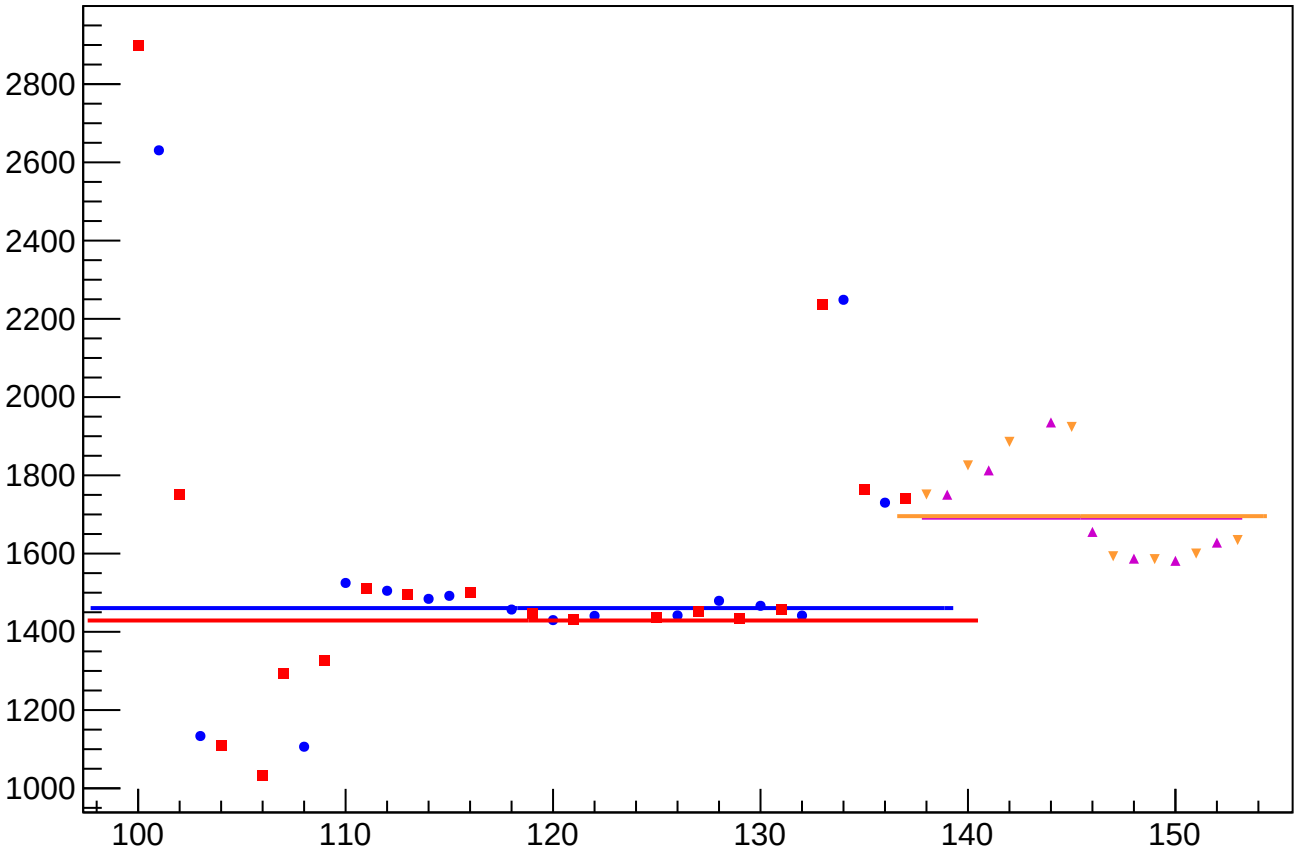
Left: 337.270+/-483.242 χ^2/NDF: 23.7/14

Right: -501.721+/-389.824 χ^2/NDF: 21.8/33

In: -970.071+/-431.027 χ^2/NDF:5.6/22

Out: 613.873+/-427.171 χ^2/NDF:34.9/25

All: -170.981+/-303.410 χ^2/NDF: 47.3/48



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1695.661+/-0.482 χ^2/NDF:65026.2/7

Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1691.770+/-0.484 χ^2/NDF:57835.3/6

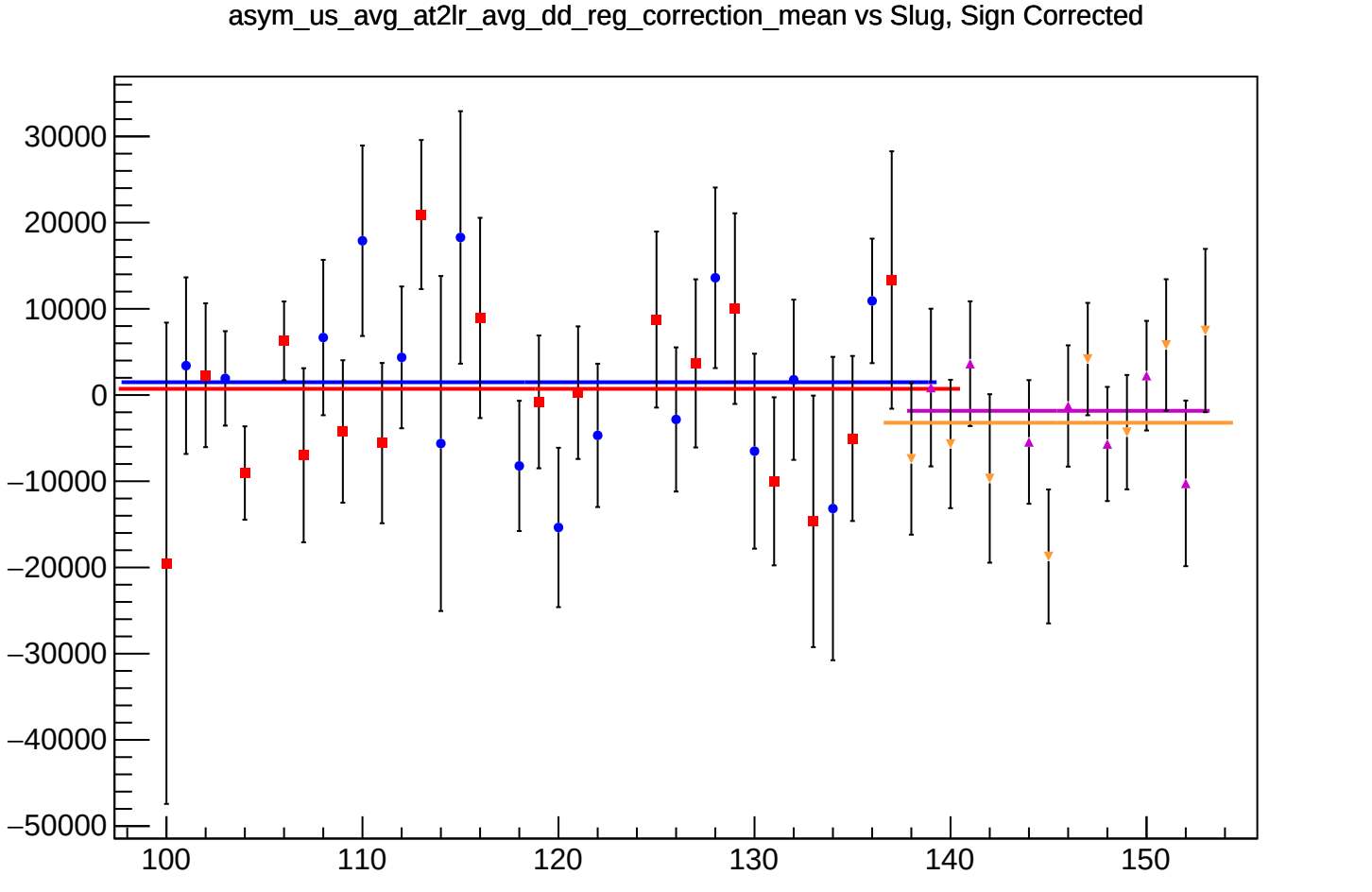
Left: 1693.722+/-0.342 χ^2/NDF: 122893.9/14

Right: 1444.478+/-0.275 χ^2/NDF: 990344.6/33

In: 1552.289+/-0.305 χ^2/NDF:771165.3/22

Out: 1532.548+/-0.301 χ^2/NDF:663212.1/25

All: 1542.285+/-0.214 χ^2/NDF: 1436503.3/48



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: -3211.772+/-2745.779 χ^2/NDF:8.7/7

Right Out: 720.166+/-2011.559 χ^2/NDF: 17.5/17

Left In: -1831.398+/-2782.963 χ^2/NDF:2.4/6

Left: -2530.868+/-1954.573 χ^2/NDF: 11.3/14

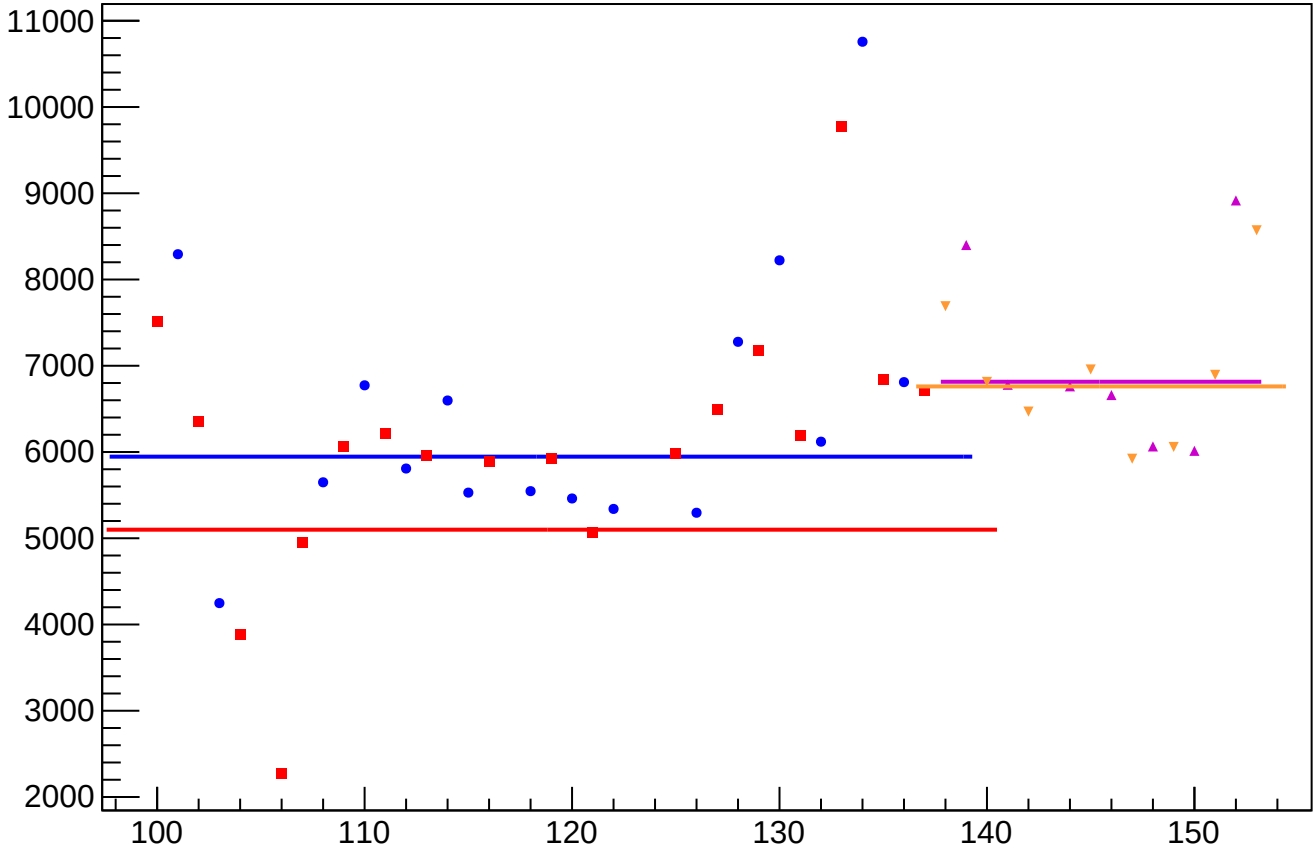
Right: 1057.985+/-1504.928 χ^2/NDF: 31.8/33

In: 162.886+/-1758.122 χ^2/NDF:17.5/22

Out: -653.088+/-1622.698 χ^2/NDF:27.6/25

All: -277.734+/-1192.426 χ^2/NDF: 45.2/48

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 6760.213+/-1.942 χ^2/NDF:154720.6/7

Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

Left In: 6814.643+/-1.968 χ^2/NDF:214459.9/6

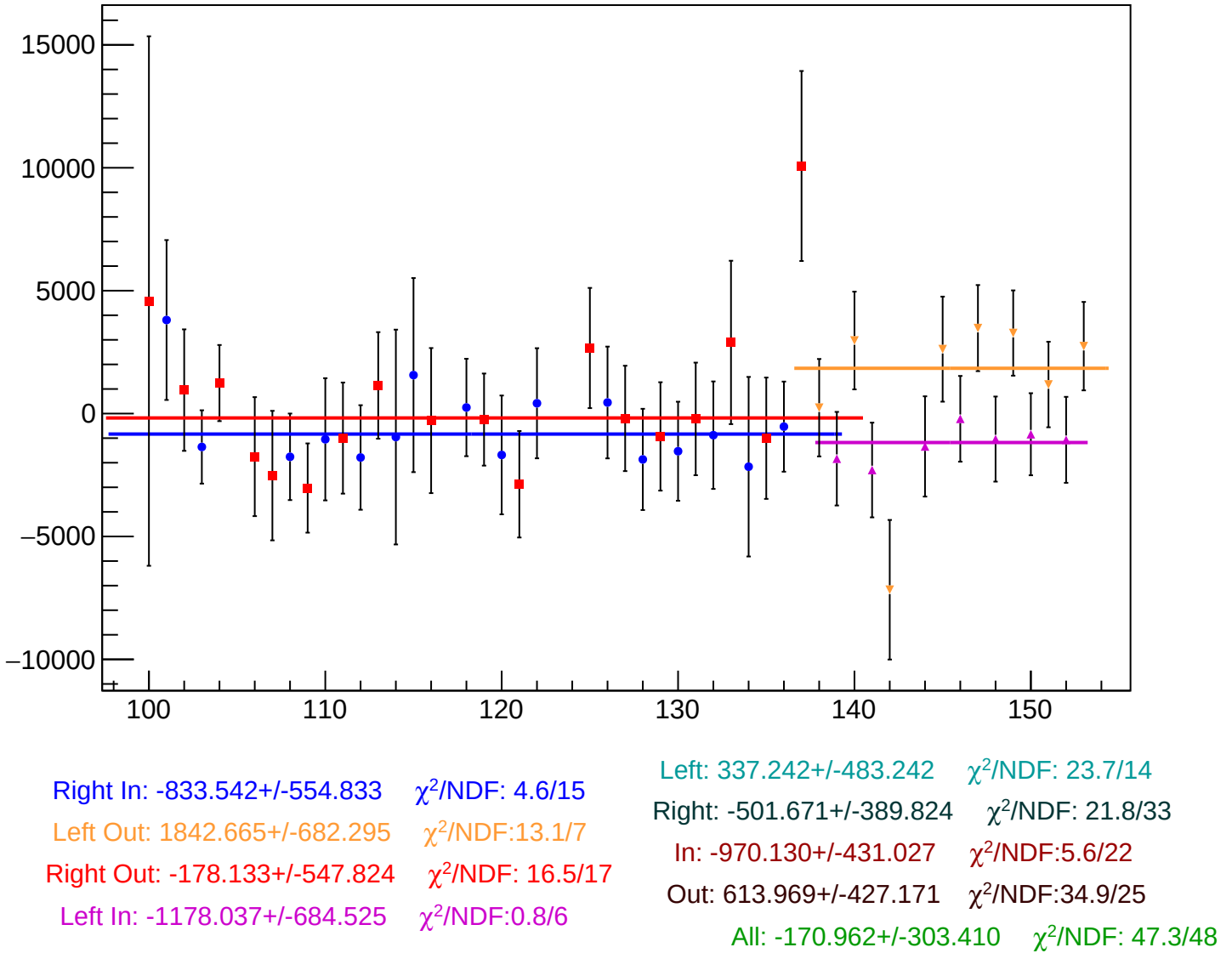
Left: 6787.062+/-1.382 χ^2/NDF: 369568.2/14

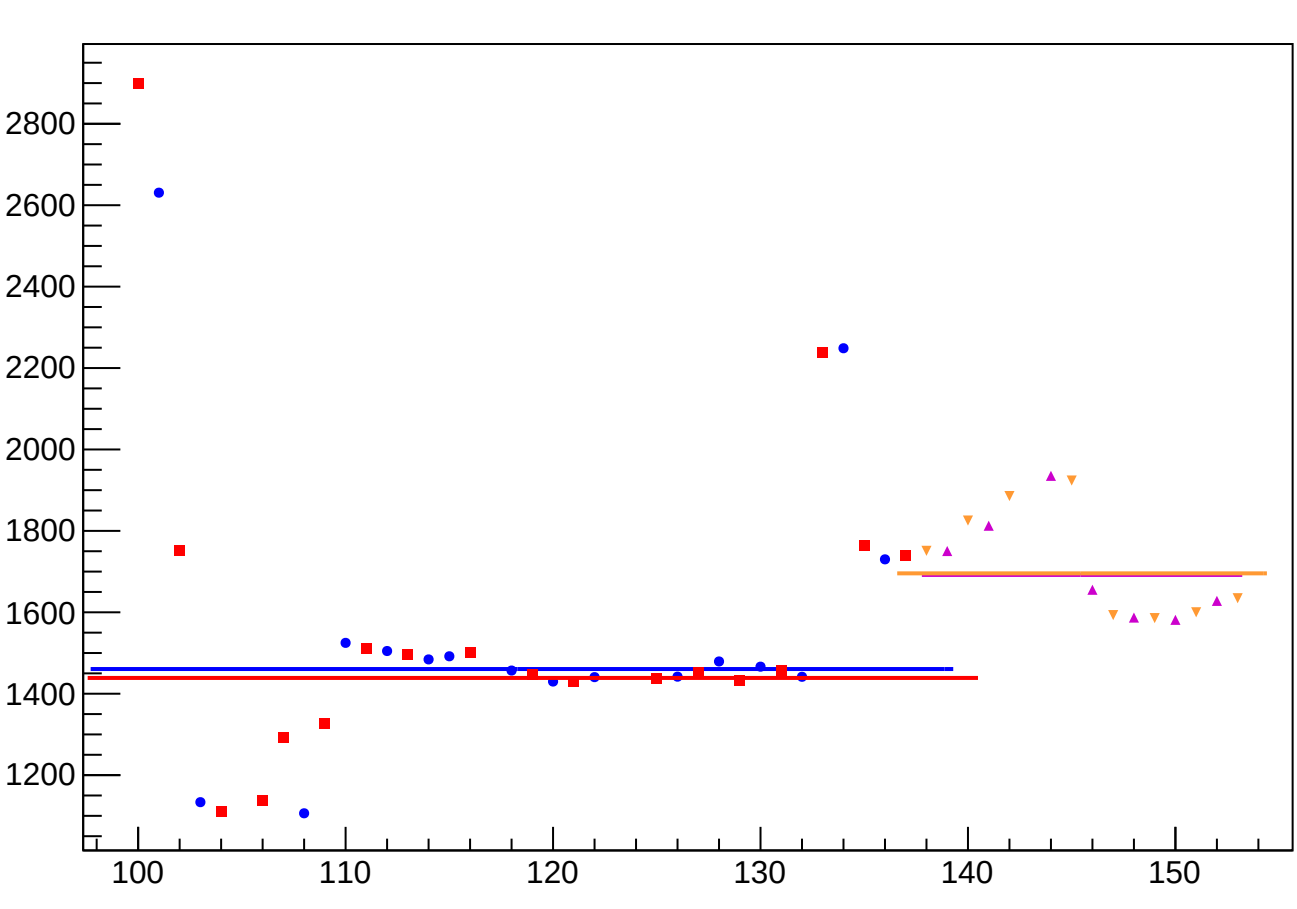
Right: 5472.167+/-1.064 χ^2/NDF: 2277512.7/33

In: 6292.725+/-1.243 χ^2/NDF:972654.2/22

Out: 5679.433+/-1.147 χ^2/NDF:2111259.4/25

All: 5961.552+/-0.843 χ^2/NDF: 3215331.4/48


cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: -833.542+/-554.833 χ²/NDF: 4.6/15
Left Out: 1842.665+/-682.295 χ²/NDF:13.1/7
Right Out: -178.133+/-547.824 χ²/NDF: 16.5/17
Left In: -1178.037+/-684.525 χ²/NDF:0.8/6
Left: 337.242+/-483.242 χ²/NDF: 23.7/14
Right: -501.671+/-389.824 χ²/NDF: 21.8/33
In: -970.130+/-431.027 χ²/NDF:5.6/22
Out: 613.969+/-427.171 χ²/NDF:34.9/25
All: -170.962+/-303.410 χ²/NDF: 47.3/48



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1695.661+/-0.482 χ^2/NDF:65026.2/7

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1691.770+/-0.484 χ^2/NDF:57835.3/6

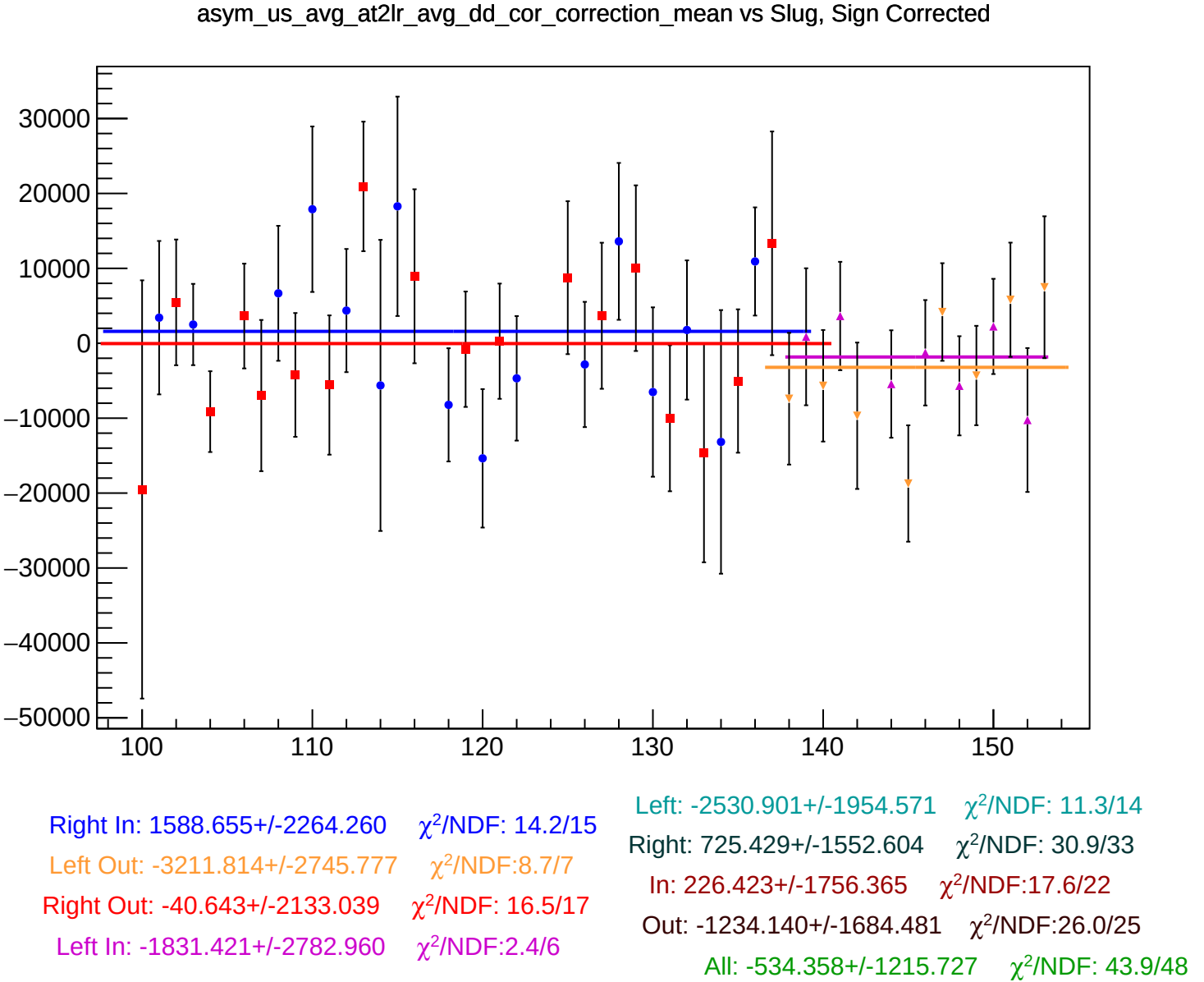
Left: 1693.722+/-0.342 χ^2/NDF: 122893.9/14

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

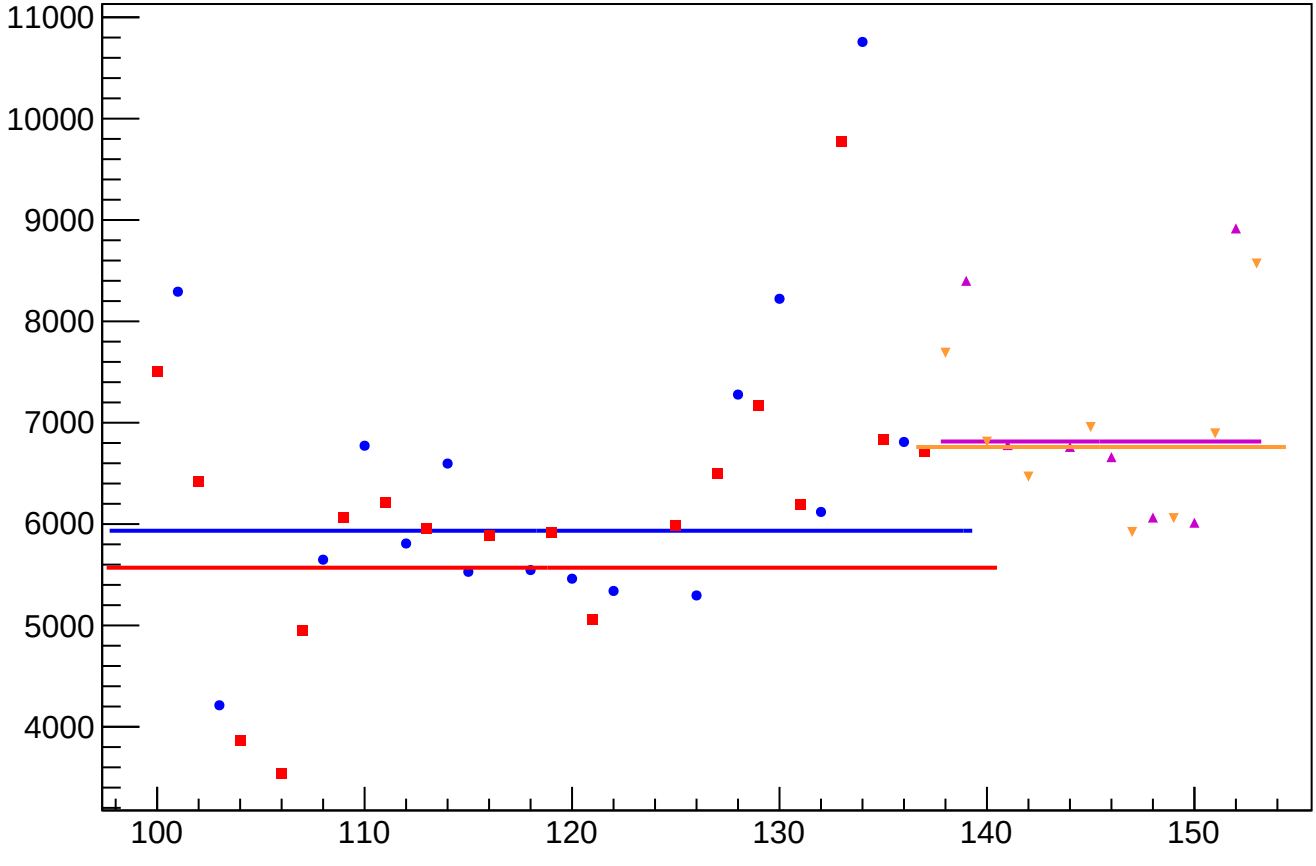
In: 1552.289+/-0.305 χ^2/NDF:771165.7/22

Out: 1539.181+/-0.302 χ^2/NDF:611106.6/25

All: 1545.667+/-0.214 χ^2/NDF: 1383206.7/48


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
Right In: 1588.655+/-2264.260 χ²/NDF: 14.2/15
Left Out: -3211.814+/-2745.777 χ²/NDF:8.7/7
Right Out: -40.643+/-2133.039 χ²/NDF: 16.5/17
Left In: -1831.421+/-2782.960 χ²/NDF:2.4/6
Left: -2530.901+/-1954.571 χ²/NDF: 11.3/14
Right: 725.429+/-1552.604 χ²/NDF: 30.9/33
In: 226.423+/-1756.365 χ²/NDF:17.6/22
Out: -1234.140+/-1684.481 χ²/NDF:26.0/25
All: -534.358+/-1215.727 χ²/NDF: 43.9/48

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 6760.208+/-1.942 χ^2/NDF:154721.1/7

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 6814.637+/-1.968 χ^2/NDF:214460.6/6

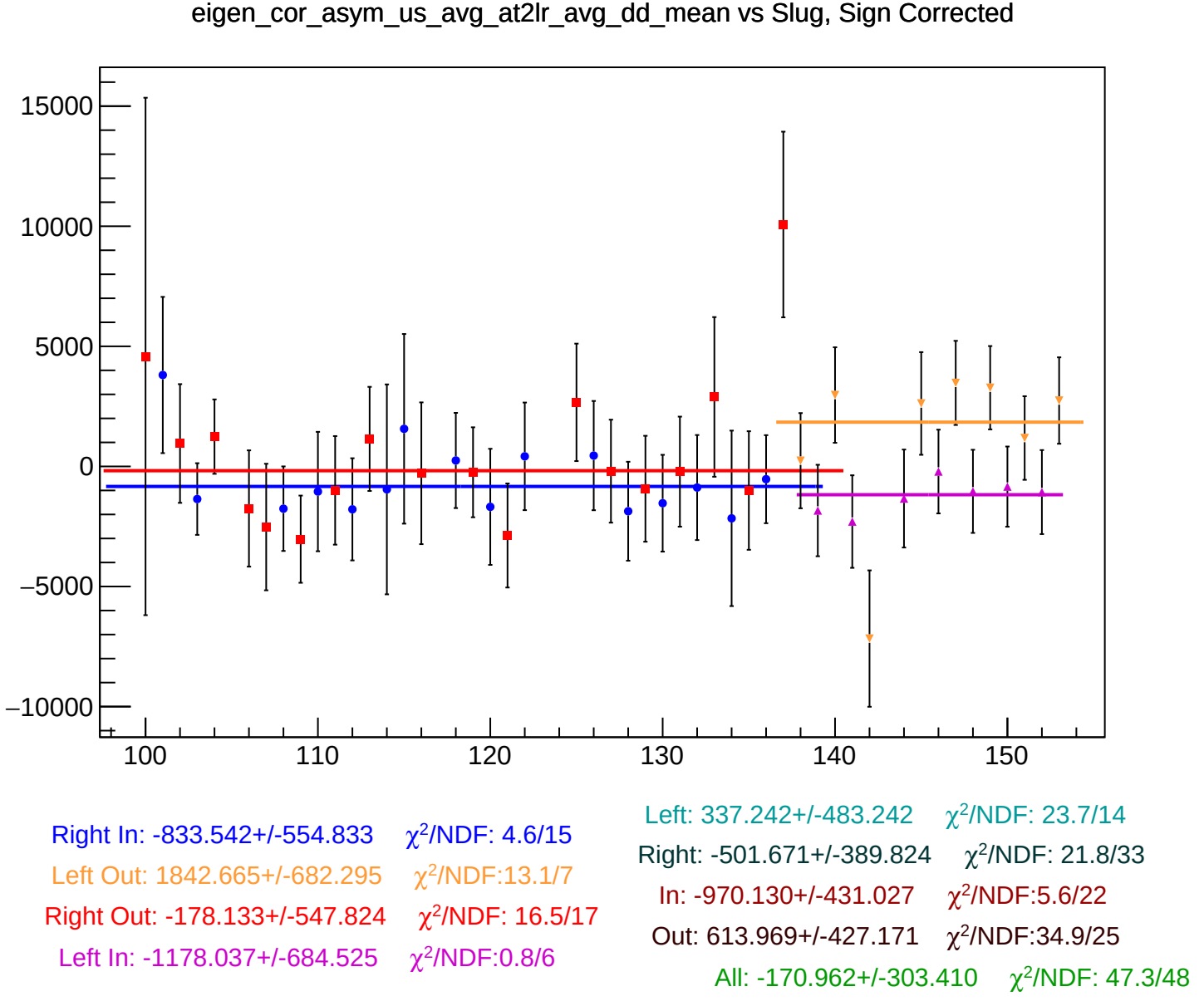
Left: 6787.057+/-1.382 χ^2/NDF: 369569.4/14

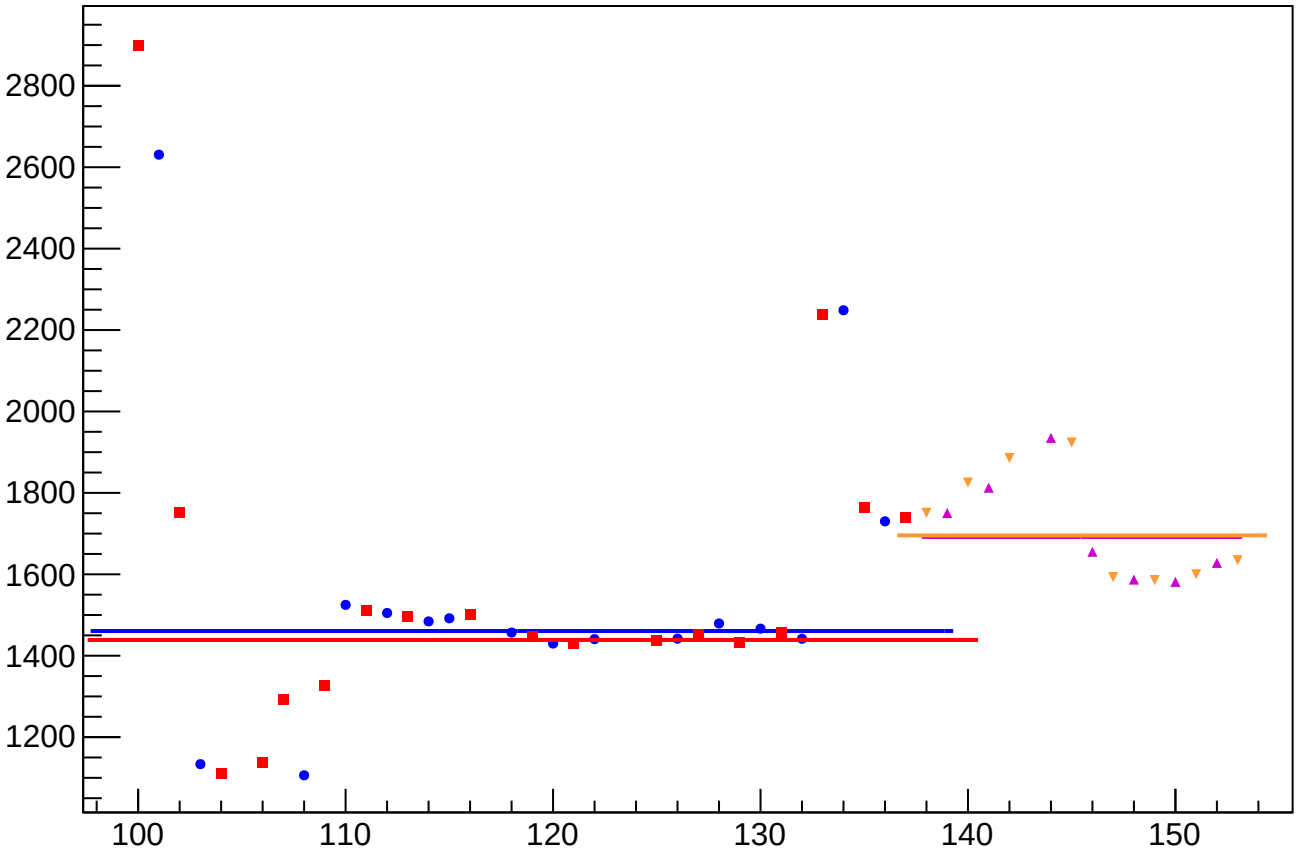
Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6284.888+/-1.242 χ^2/NDF:987986.2/22

Out: 6017.699+/-1.191 χ^2/NDF:1113283.3/25

All: 6145.714+/-0.860 χ^2/NDF: 2125378.3/48


eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: -833.542+/-554.833 χ²/NDF: 4.6/15
Left Out: 1842.665+/-682.295 χ²/NDF:13.1/7
Right Out: -178.133+/-547.824 χ²/NDF: 16.5/17
Left In: -1178.037+/-684.525 χ²/NDF:0.8/6
Left: 337.242+/-483.242 χ²/NDF: 23.7/14
Right: -501.671+/-389.824 χ²/NDF: 21.8/33
In: -970.130+/-431.027 χ²/NDF:5.6/22
Out: 613.969+/-427.171 χ²/NDF:34.9/25
All: -170.962+/-303.410 χ²/NDF: 47.3/48



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1695.661+/-0.482 χ^2/NDF:65026.2/7

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1691.770+/-0.484 χ^2/NDF:57835.3/6

Left: 1693.722+/-0.342 χ^2/NDF: 122893.9/14

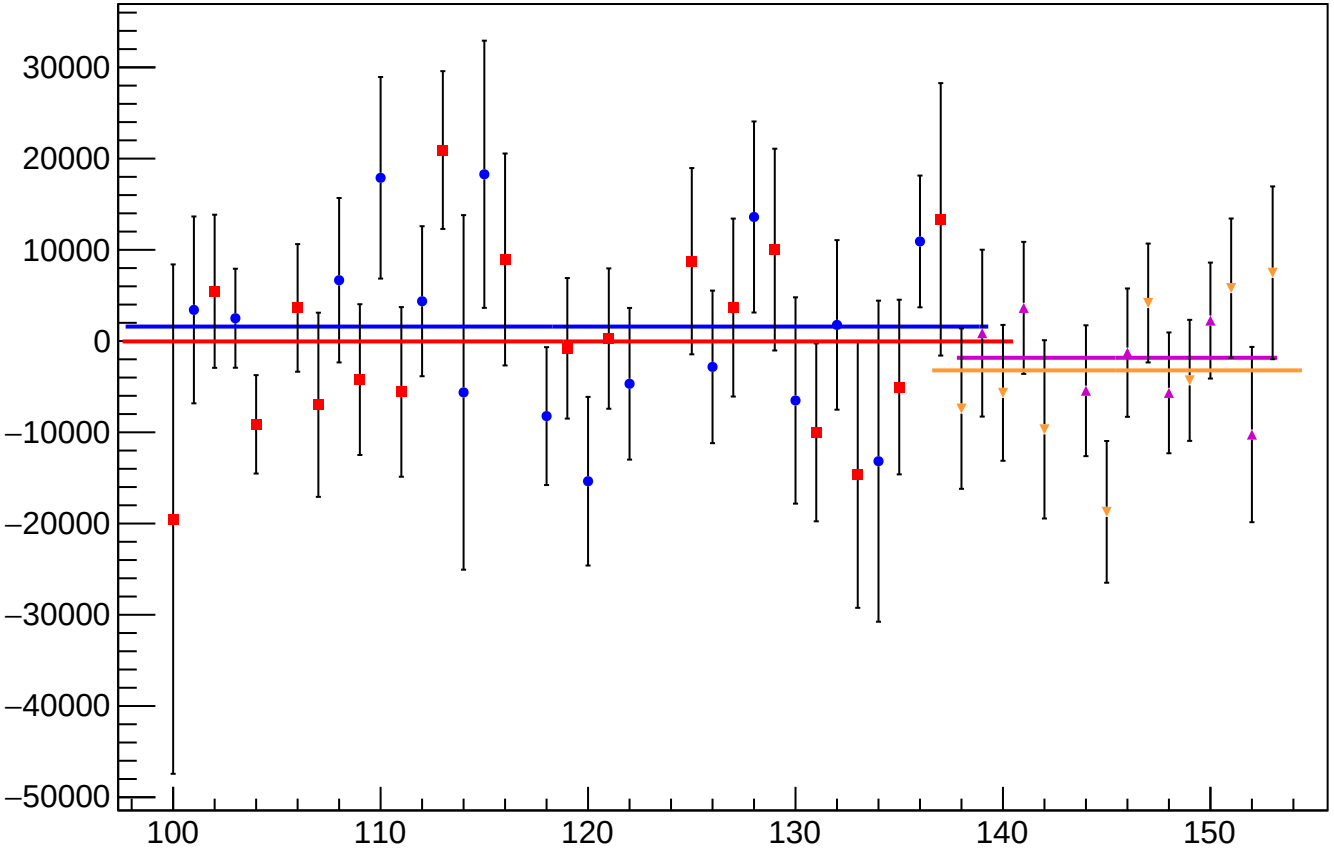
Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1552.289+/-0.305 χ^2/NDF:771165.7/22

Out: 1539.181+/-0.302 χ^2/NDF:611106.6/25

All: 1545.667+/-0.214 χ^2/NDF: 1383206.7/48

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: -3211.814+/-2745.777 χ^2/NDF:8.7/7

Right Out: -40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: -1831.421+/-2782.960 χ^2/NDF:2.4/6

Left: -2530.901+/-1954.571 χ^2/NDF: 11.3/14

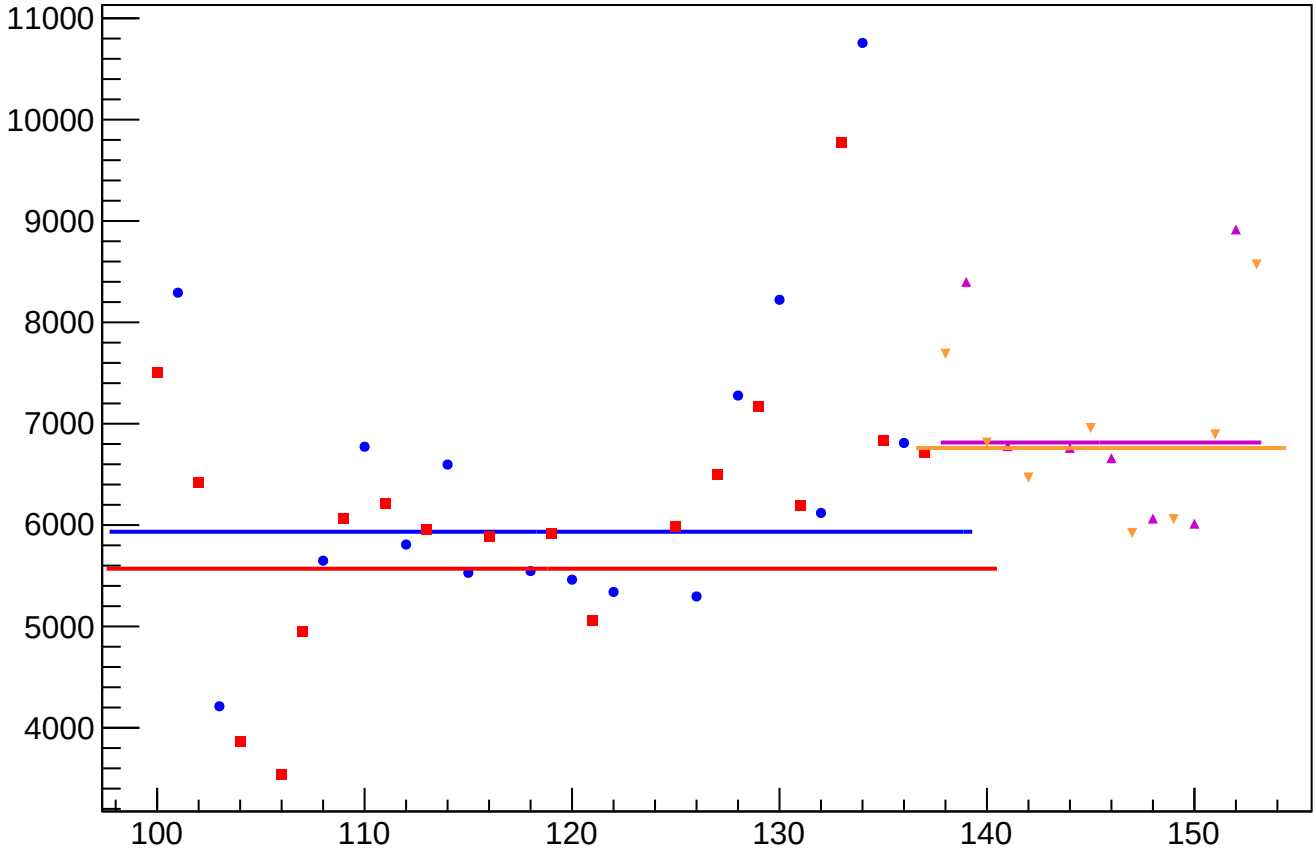
Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: 226.423+/-1756.365 χ^2/NDF:17.6/22

Out: -1234.140+/-1684.481 χ^2/NDF:26.0/25

All: -534.358+/-1215.727 χ^2/NDF: 43.9/48

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 6760.208+/-1.942 χ^2/NDF:154721.1/7

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 6814.637+/-1.968 χ^2/NDF:214460.6/6

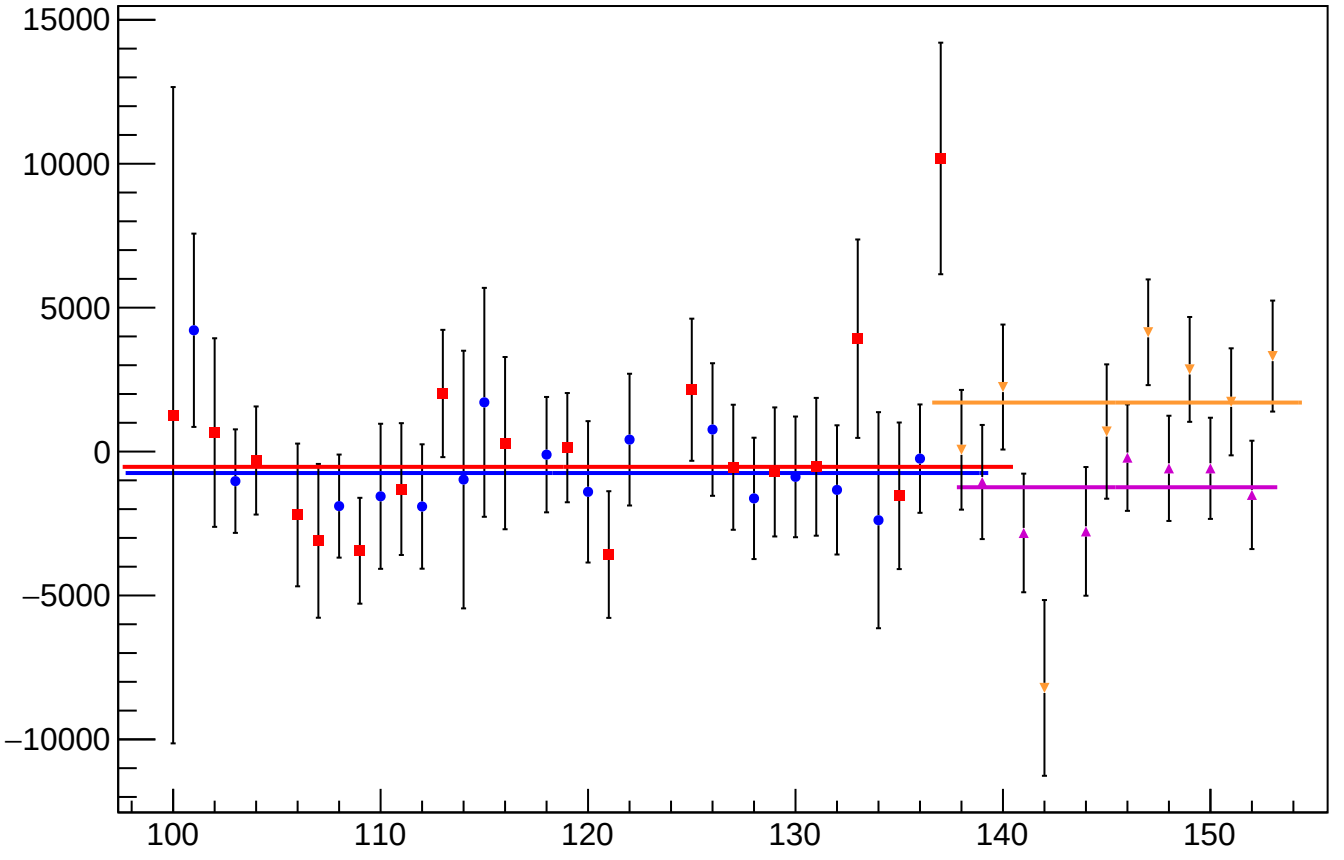
Left: 6787.057+/-1.382 χ^2/NDF: 369569.4/14

Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6284.888+/-1.242 χ^2/NDF:987986.2/22

Out: 6017.699+/-1.191 χ^2/NDF:1113283.3/25

All: 6145.714+/-0.860 χ^2/NDF: 2125378.3/48



Right In: -745.914+/-578.071 χ^2/NDF: 4.8/15

Left Out: 1702.540+/-727.355 χ^2/NDF:14.3/7

Right Out: -531.292+/-575.115 χ^2/NDF: 17.7/17

Left In: -1239.363+/-727.911 χ^2/NDF:1.7/6

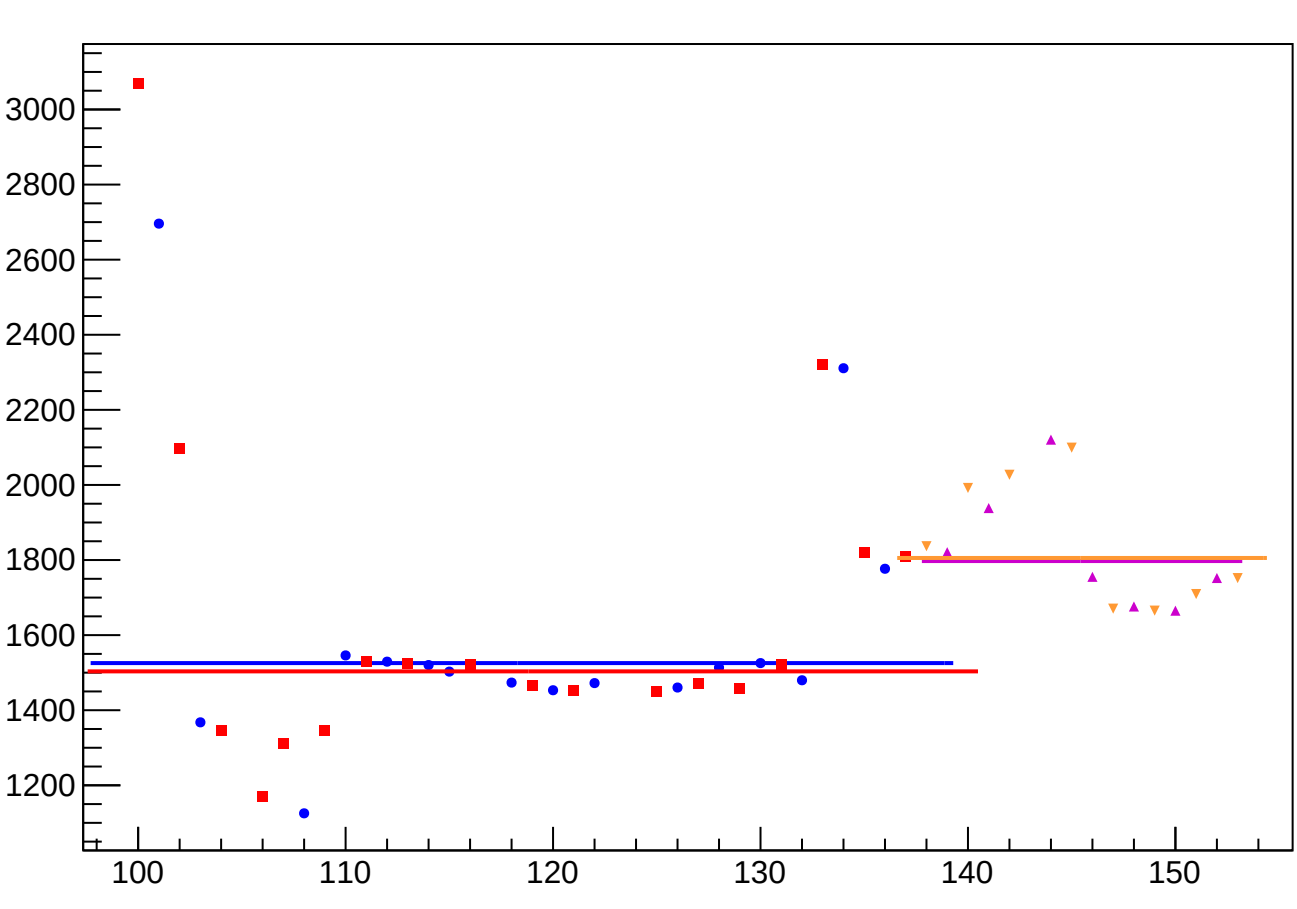
Left: 232.712+/-514.514 χ^2/NDF: 24.1/14

Right: -638.053+/-407.709 χ^2/NDF: 22.6/33

In: -936.759+/-452.686 χ^2/NDF:6.7/22

Out: 328.039+/-451.130 χ^2/NDF:37.8/25

All: -302.182+/-319.546 χ^2/NDF: 48.4/48



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1805.501+/-0.514 χ^2/NDF:86984.5/7

Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1797.278+/-0.515 χ^2/NDF:73775.5/6

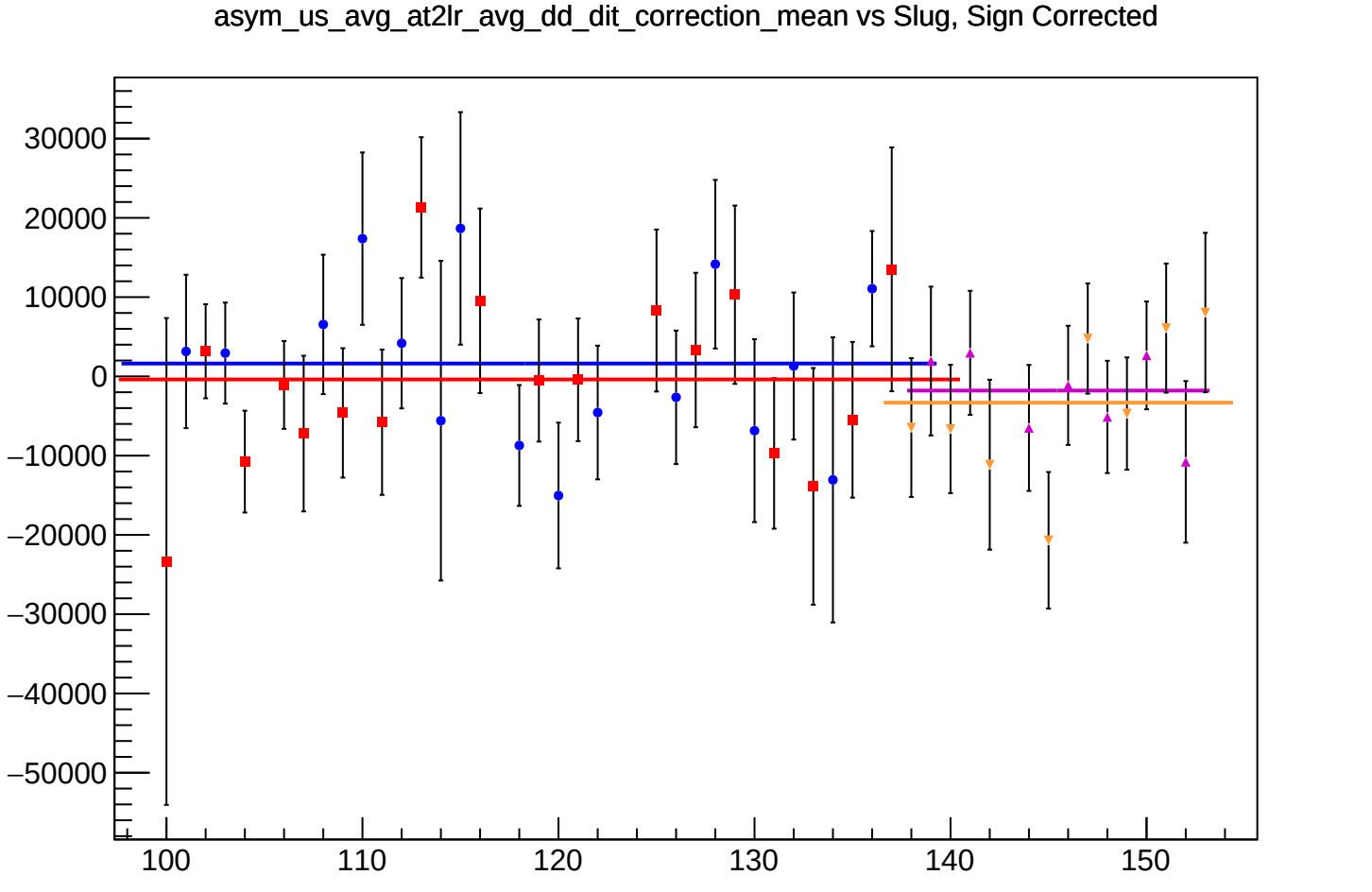
Left: 1801.392+/-0.364 χ^2/NDF: 160887.7/14

Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1630.634+/-0.320 χ^2/NDF:733034.1/22

Out: 1619.594+/-0.319 χ^2/NDF:637783.6/25

All: 1625.094+/-0.226 χ^2/NDF: 1371414.5/48



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: -3313.991+/-2935.414 χ^2/NDF:8.9/7

Right Out: -385.942+/-2060.867 χ^2/NDF: 16.0/17

Left In: -1788.392+/-2982.369 χ^2/NDF:2.3/6

Left: -2563.296+/-2092.055 χ^2/NDF: 11.3/14

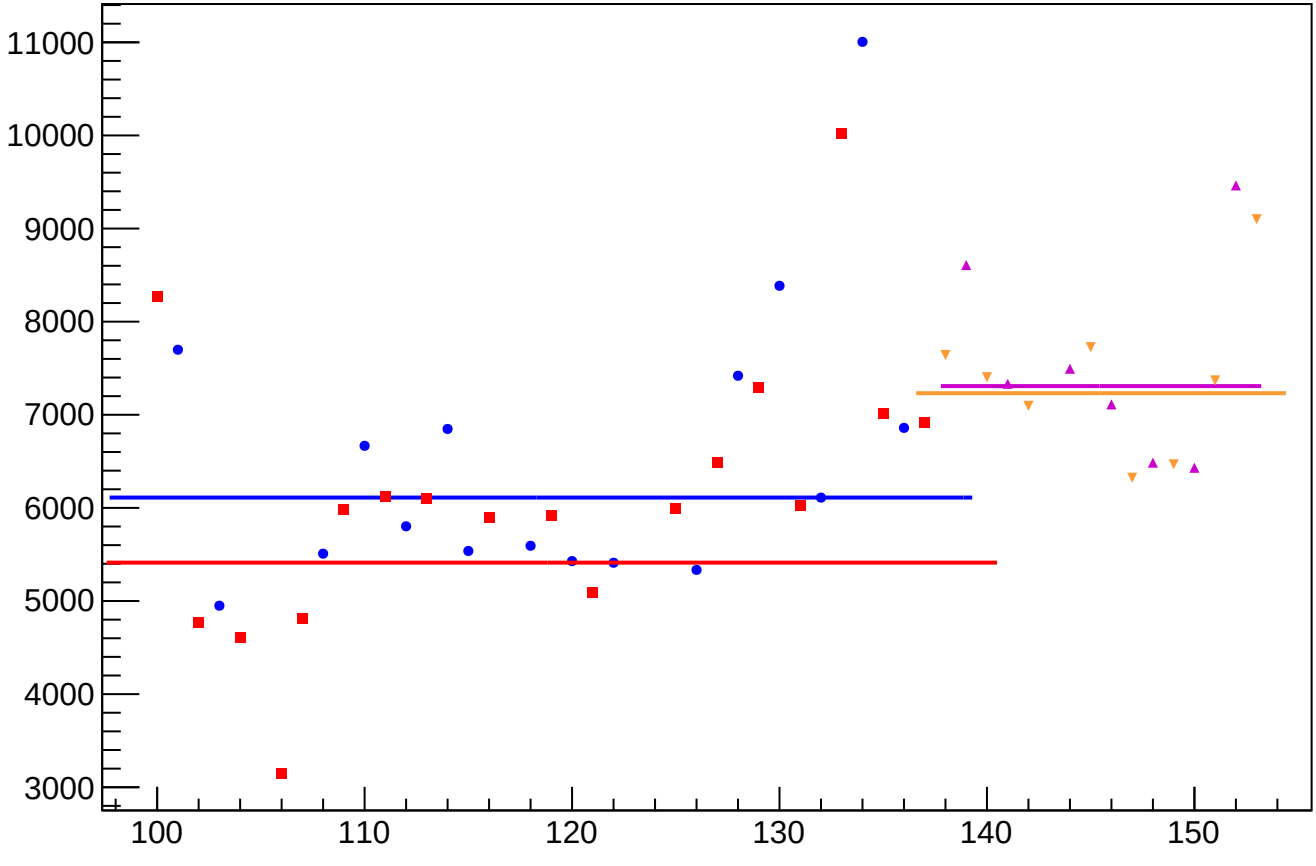
Right: 498.801+/-1540.768 χ^2/NDF: 30.7/33

In: 335.050+/-1831.200 χ^2/NDF:17.4/22

Out: -1352.679+/-1686.686 χ^2/NDF:25.6/25

All: -578.029+/-1240.615 χ^2/NDF: 43.4/48

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 6111.037+/-1.641 χ^2/NDF: 471661.4/15

Left Out: 7231.791+/-2.076 χ^2/NDF:139128.1/7

Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 7308.178+/-2.109 χ^2/NDF:190494.5/6

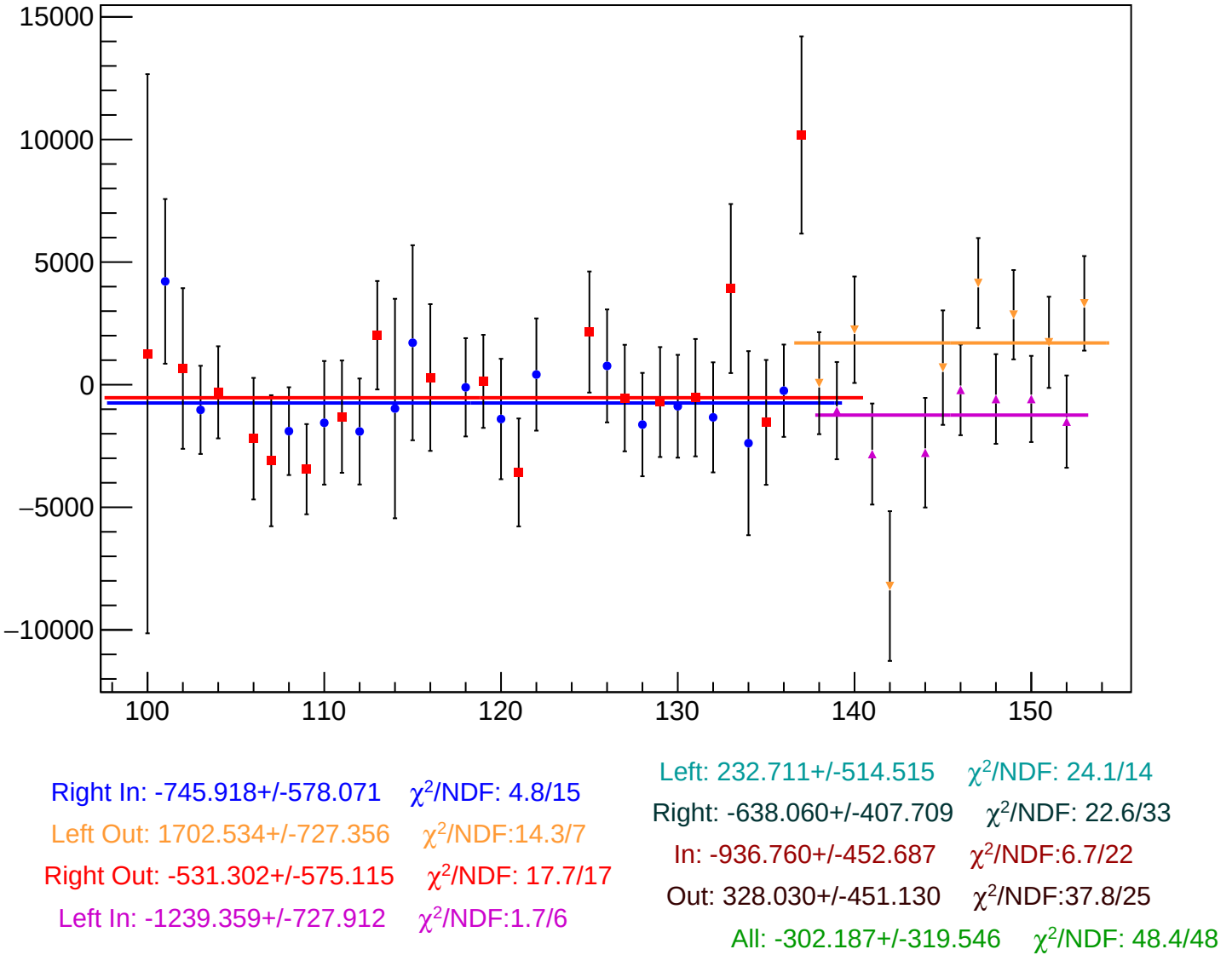
Left: 7269.378+/-1.479 χ^2/NDF: 330289.0/14

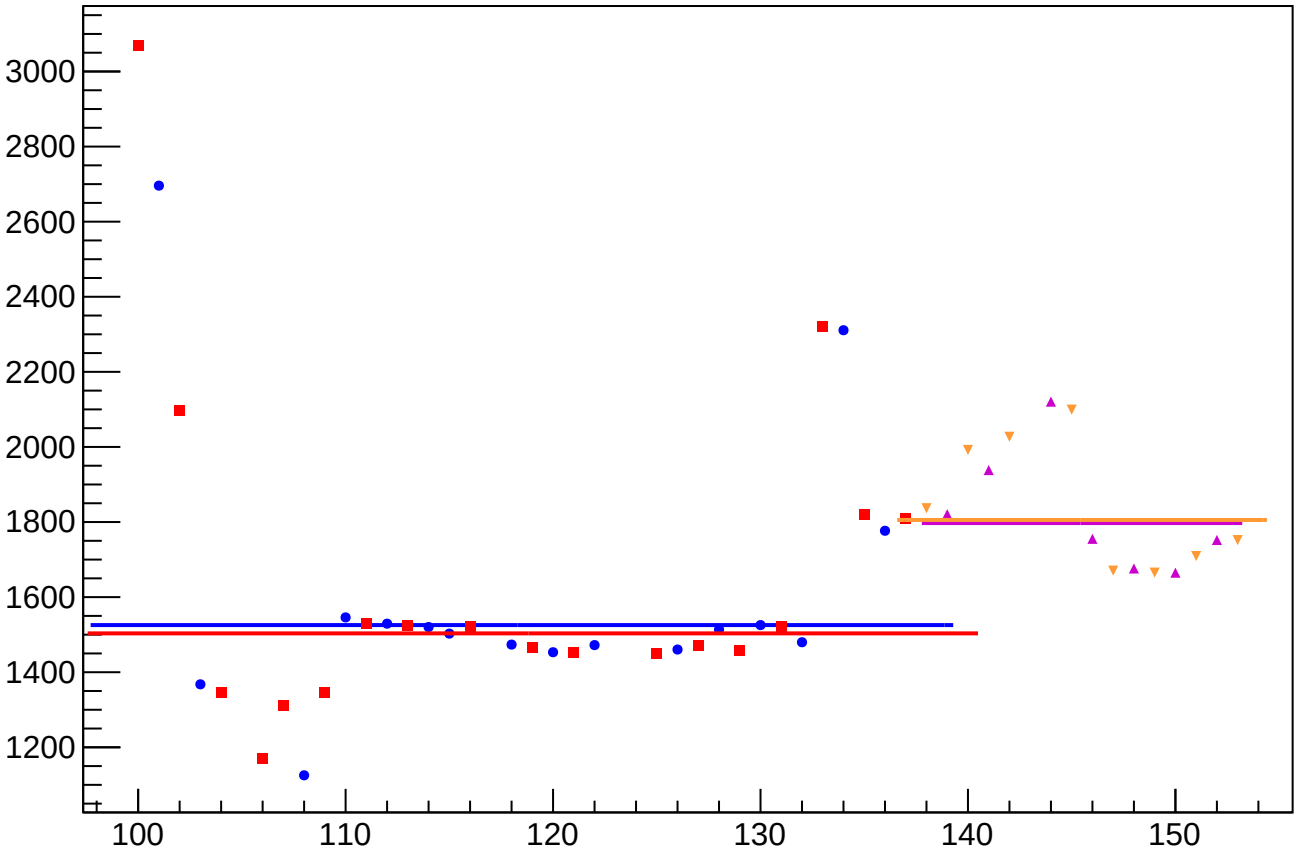
Right: 5720.463+/-1.089 χ^2/NDF: 1394599.9/33

In: 6562.367+/-1.295 χ^2/NDF:862918.0/22

Out: 6013.014+/-1.193 χ^2/NDF:1475378.3/25

All: 6265.161+/-0.877 χ^2/NDF: 2435675.3/48


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
Right In: -745.918+/-578.071 χ²/NDF: 4.8/15
Left Out: 1702.534+/-727.356 χ²/NDF:14.3/7
Right Out: -531.302+/-575.115 χ²/NDF: 17.7/17
Left In: -1239.359+/-727.912 χ²/NDF:1.7/6
Left: 232.711+/-514.515 χ²/NDF: 24.1/14
Right: -638.060+/-407.709 χ²/NDF: 22.6/33
In: -936.760+/-452.687 χ²/NDF:6.7/22
Out: 328.030+/-451.130 χ²/NDF:37.8/25
All: -302.187+/-319.546 χ²/NDF: 48.4/48



Right In: 1525.536+/-0.409 χ^2/NDF: 488327.8/15

Left Out: 1805.503+/-0.514 χ^2/NDF:86985.4/7

Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

Left In: 1797.280+/-0.515 χ^2/NDF:73775.7/6

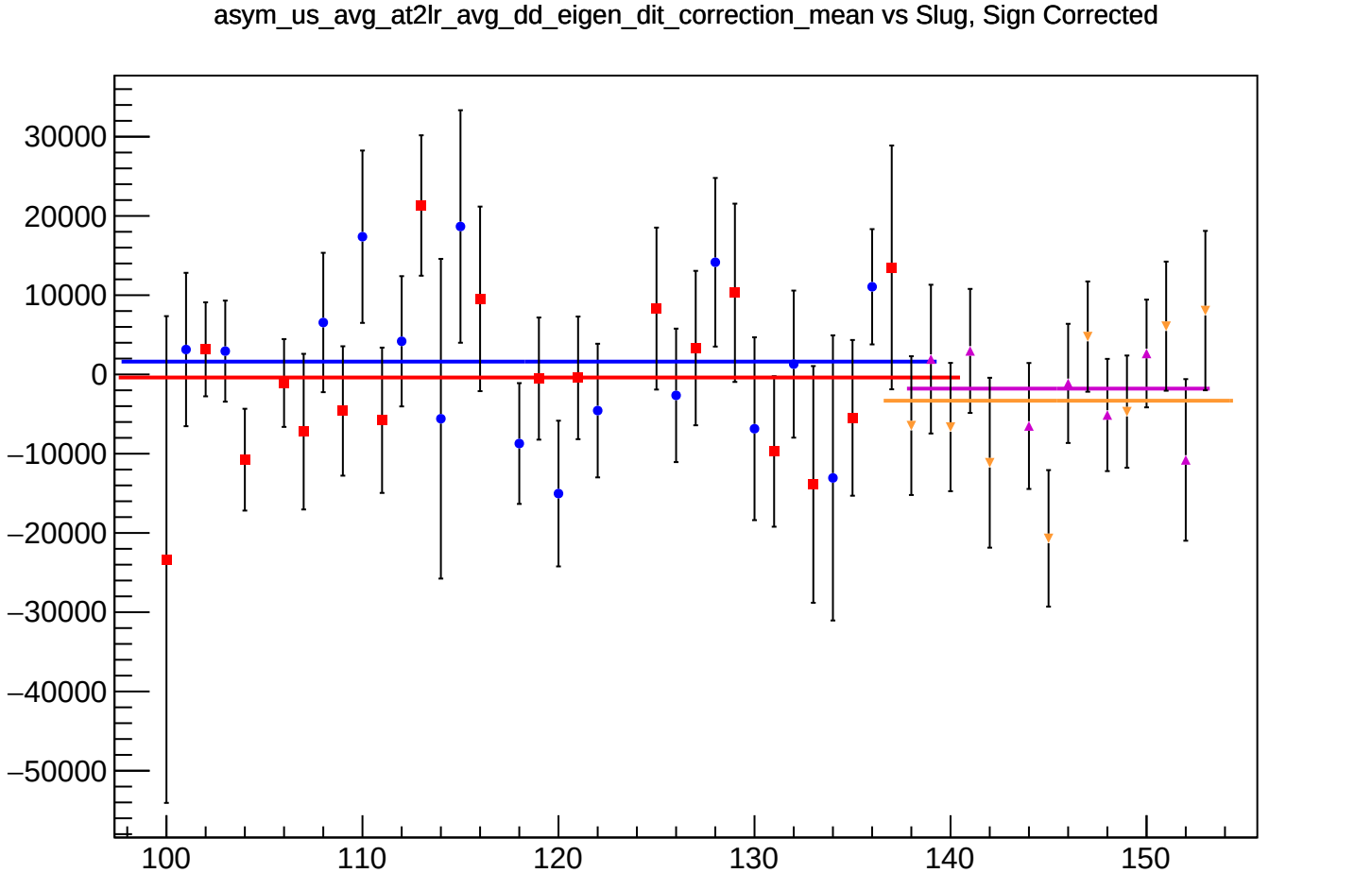
Left: 1801.394+/-0.364 χ^2/NDF: 160888.9/14

Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1630.635+/-0.320 χ^2/NDF:733036.3/22

Out: 1619.595+/-0.319 χ^2/NDF:637786.9/25

All: 1625.095+/-0.226 χ^2/NDF: 1371420.1/48



Right In: 1620.038+/-2320.027 χ^2/NDF: 14.3/15

Left Out: -3313.994+/-2935.417 χ^2/NDF:8.9/7

Right Out: -385.948+/-2060.863 χ^2/NDF: 16.0/17

Left In: -1788.388+/-2982.373 χ^2/NDF:2.3/6

Left: -2563.295+/-2092.057 χ^2/NDF: 11.3/14

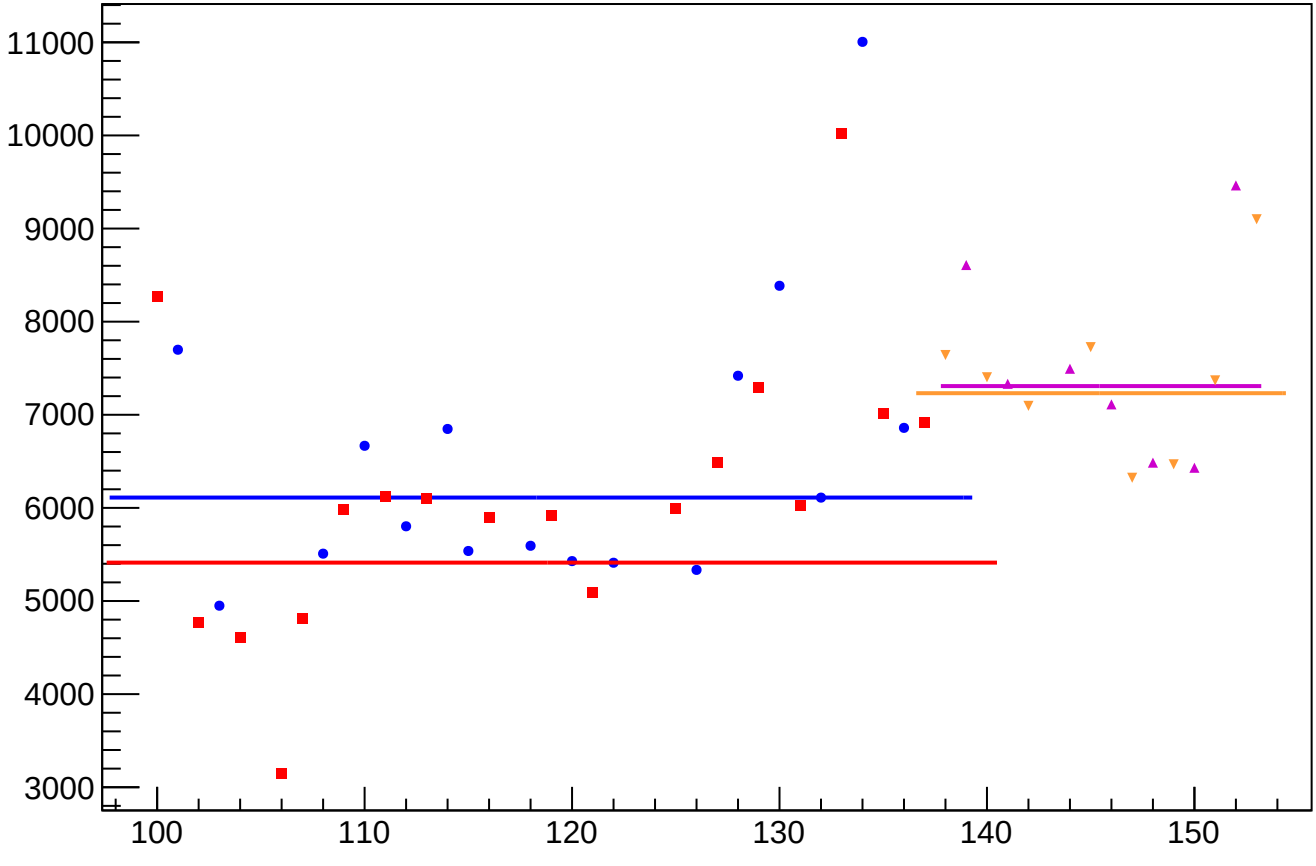
Right: 498.789+/-1540.764 χ^2/NDF: 30.7/33

In: 335.045+/-1831.198 χ^2/NDF:17.4/22

Out: -1352.680+/-1686.684 χ^2/NDF:25.6/25

All: -578.032+/-1240.614 χ^2/NDF: 43.4/48

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: 7231.799+/-2.076 χ^2/NDF:139128.7/7

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

Left In: 7308.187+/-2.109 χ^2/NDF:190495.2/6

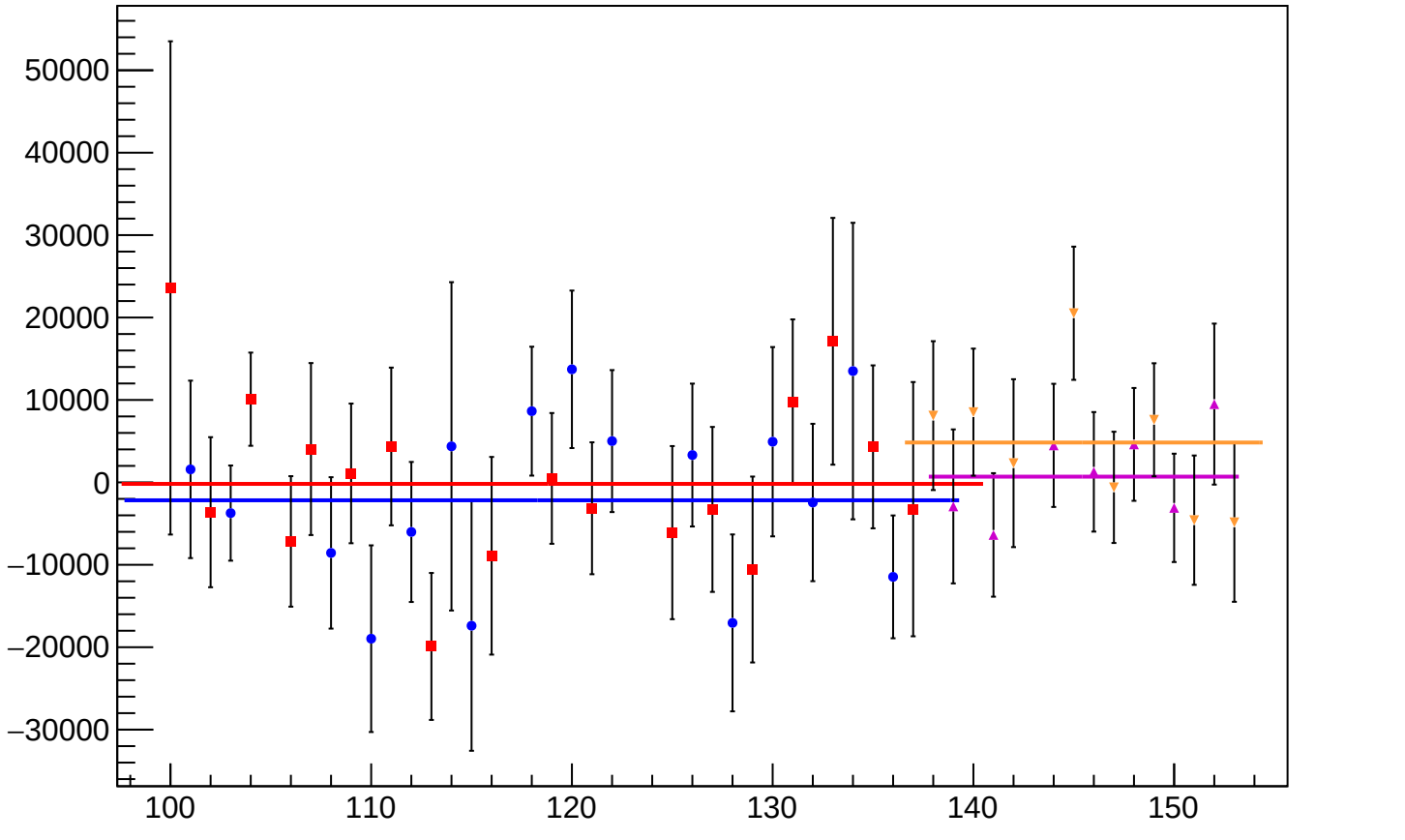
Left: 7269.387+/-1.479 χ^2/NDF: 330290.3/14

Right: 5720.451+/-1.089 χ^2/NDF: 1394602.1/33

In: 6562.360+/-1.295 χ^2/NDF:862928.2/22

Out: 6013.007+/-1.193 χ^2/NDF:1475390.3/25

All: 6265.154+/-0.877 χ^2/NDF: 2435697.9/48



Right In: -2174.048+/-2347.664 χ^2/NDF: 14.6/15

Left Out: 4835.671+/-2837.092 χ^2/NDF:7.4/7

Right Out: -183.559+/-2228.883 χ^2/NDF: 14.7/17

Left In: 693.811+/-2872.886 χ^2/NDF:2.8/6

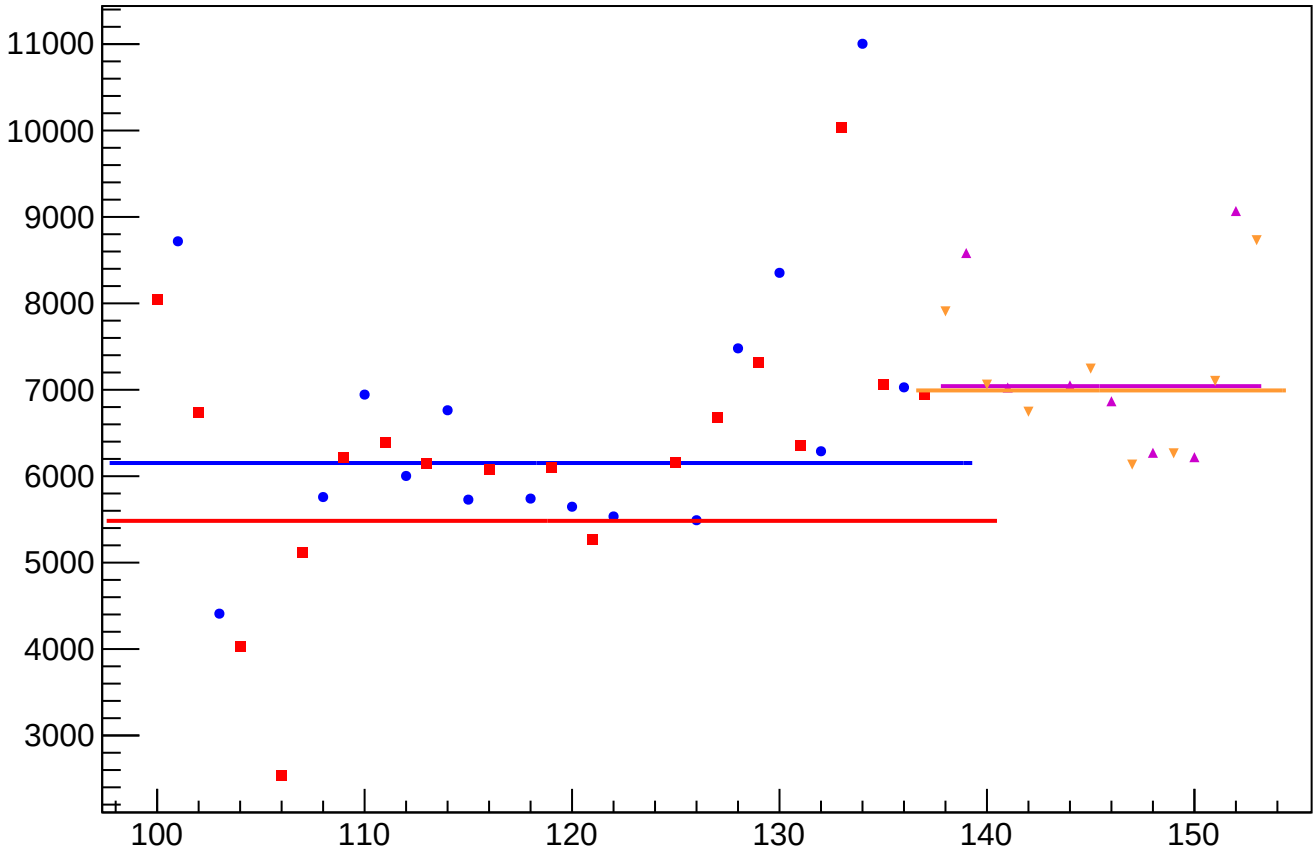
Left: 2790.704+/-2018.663 χ^2/NDF: 11.3/14

Right: -1127.176+/-1616.419 χ^2/NDF: 29.6/33

In: -1025.753+/-1817.884 χ^2/NDF:18.0/22

Out: 1732.022+/-1752.690 χ^2/NDF:24.0/25

All: 403.471+/-1261.757 χ^2/NDF: 43.2/48



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 6992.538+/-2.006 χ^2/NDF:144028.7/7

Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 7042.021+/-2.031 χ^2/NDF:198277.1/6

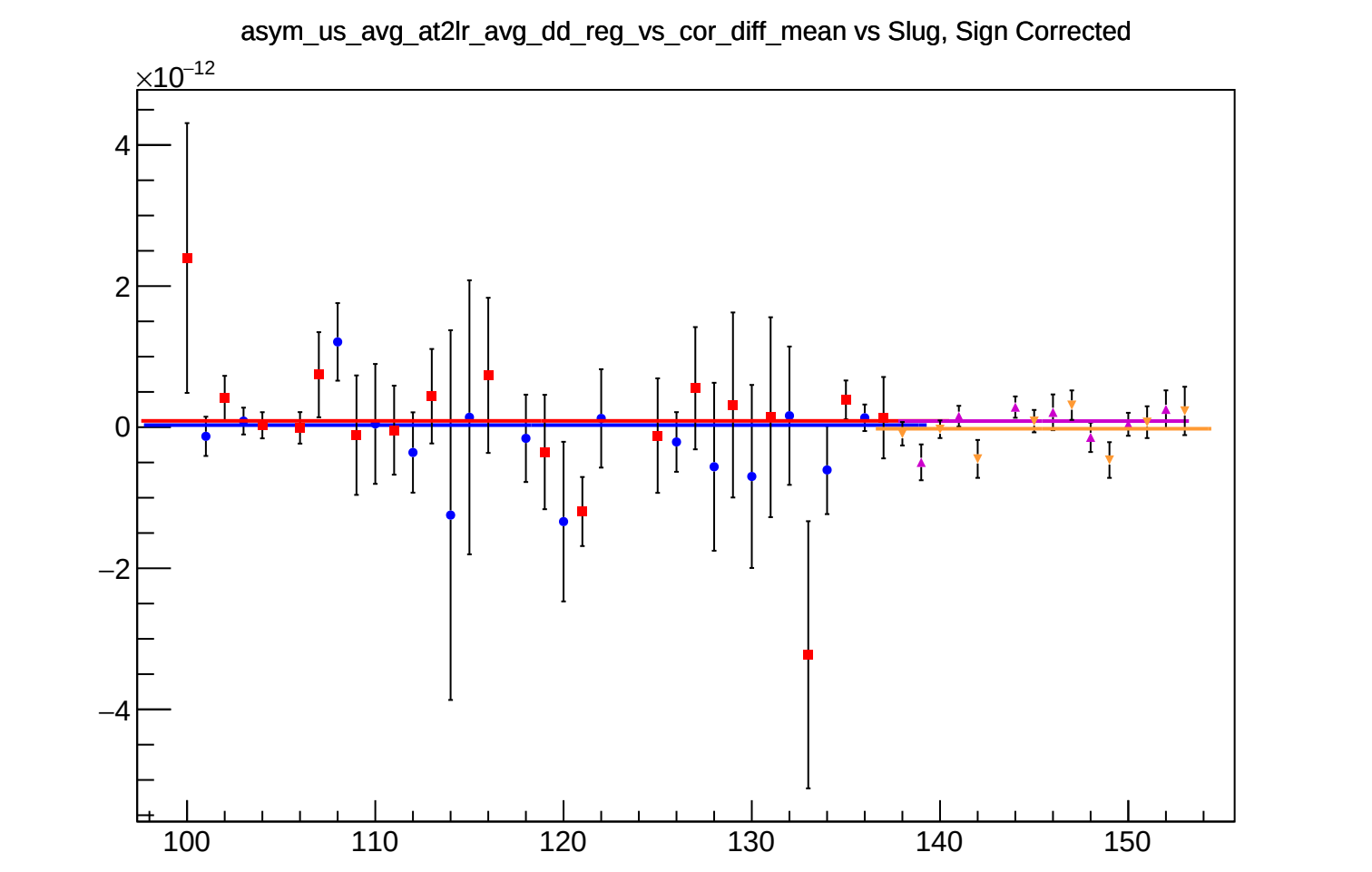
Left: 7016.969+/-1.427 χ^2/NDF: 342606.2/14

Right: 5788.476+/-1.121 χ^2/NDF: 1861205.2/33

In: 6508.777+/-1.285 χ^2/NDF:937220.4/22

Out: 6033.505+/-1.211 χ^2/NDF:1652378.0/25

All: 6257.031+/-0.882 χ^2/NDF: 2662009.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.5/7

Right Out: 0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: 0.000+/-0.000 χ^2/NDF:9.2/6

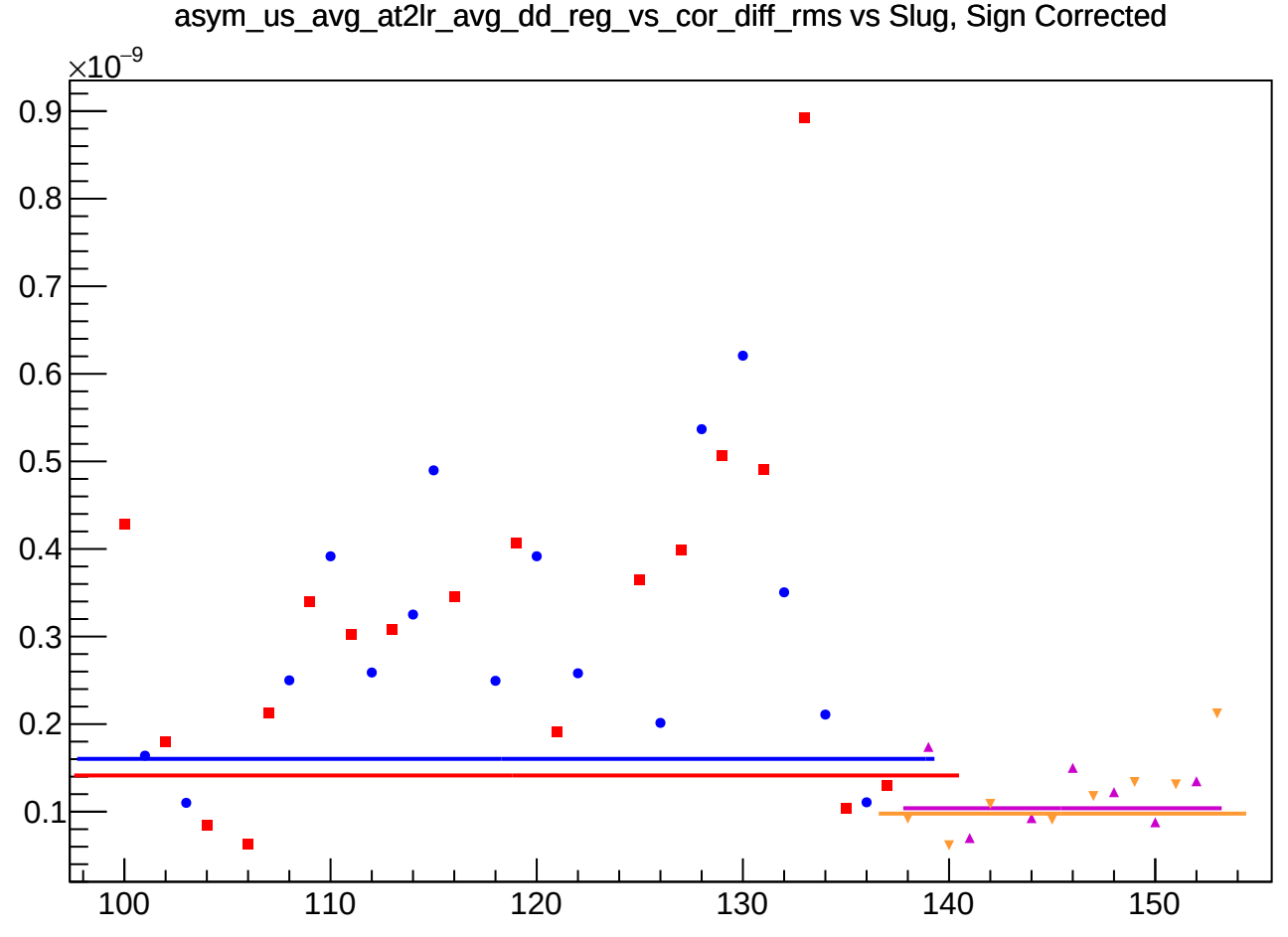
Left: 0.000+/-0.000 χ^2/NDF: 19.9/14

Right: 0.000+/-0.000 χ^2/NDF: 26.2/33

In: 0.000+/-0.000 χ^2/NDF:18.9/22

Out: 0.000+/-0.000 χ^2/NDF:26.8/25

All: 0.000+/-0.000 χ^2/NDF: 46.2/48



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:503516.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

Left In: 0.000+/-0.000 χ^2/NDF:396892.2/6

Left: 0.000+/-0.000 χ^2/NDF: 908174.4/14

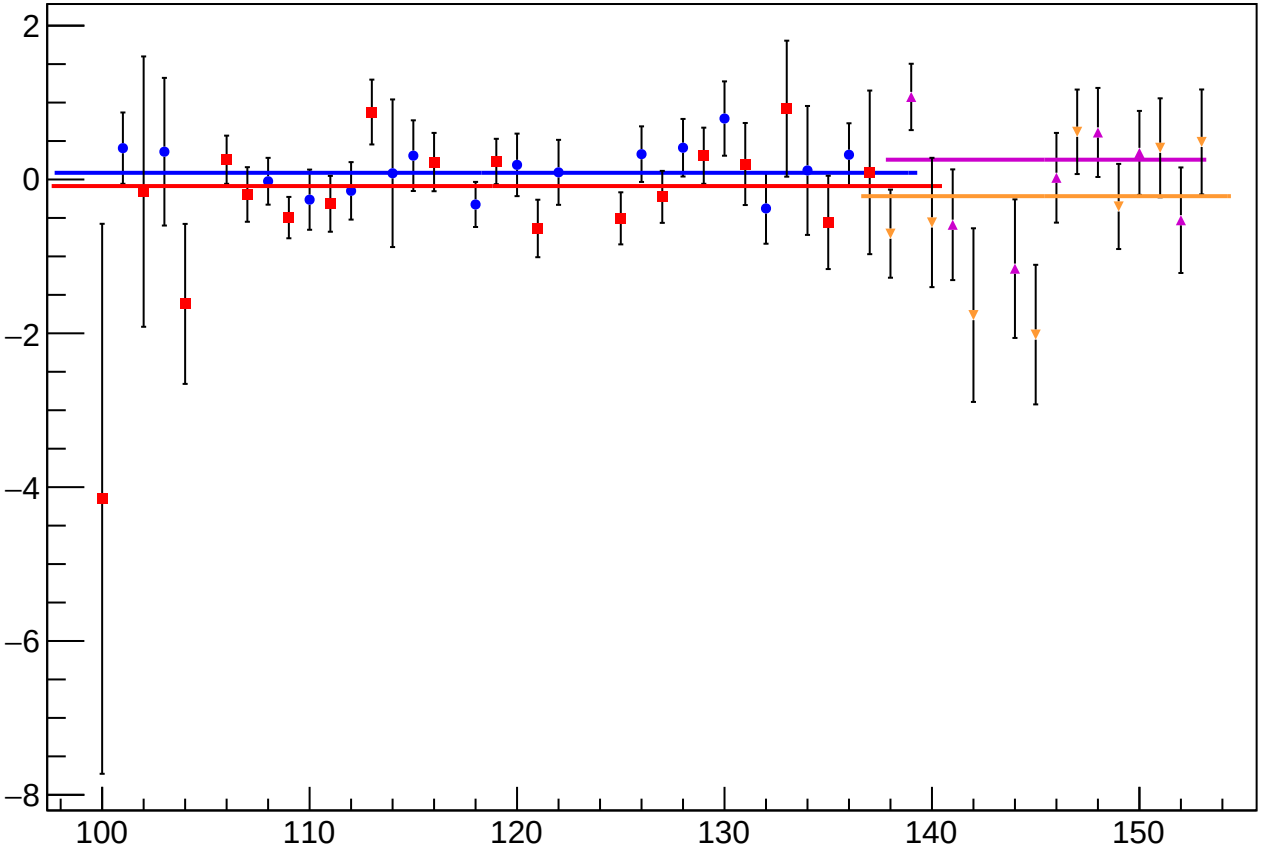
Right: 0.000+/-0.000 χ^2/NDF: 3529311.8/33

In: 0.000+/-0.000 χ^2/NDF:2127075.7/22

Out: 0.000+/-0.000 χ^2/NDF:2921536.9/25

All: 0.000+/-0.000 χ^2/NDF: 5086392.5/48

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: -0.217+/-0.238 χ^2/NDF:11.1/7

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.257+/-0.224 χ^2/NDF:9.3/6

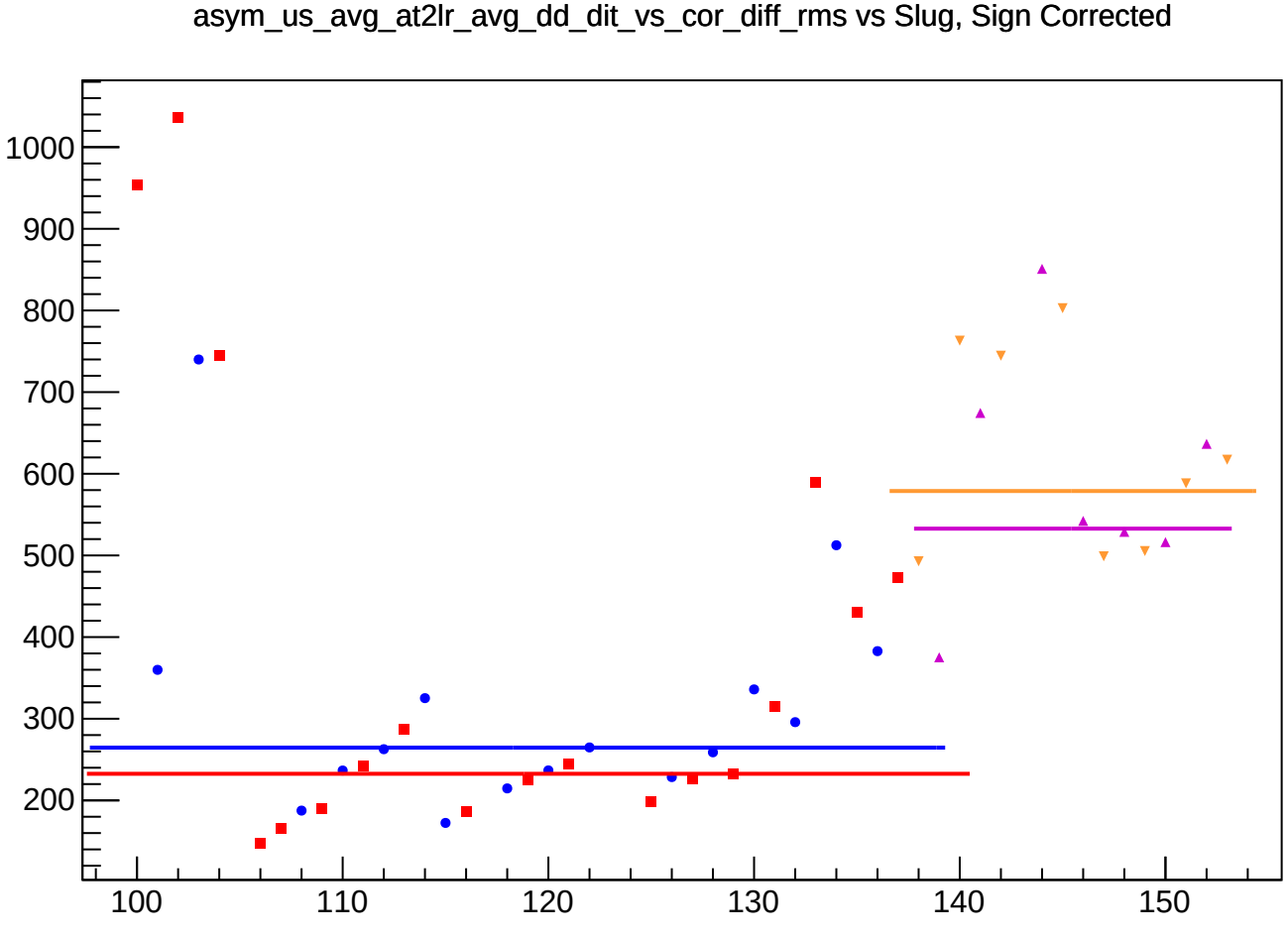
Left: 0.035+/-0.163 χ^2/NDF: 22.5/14

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.118+/-0.095 χ^2/NDF:18.6/22

Out: -0.104+/-0.090 χ^2/NDF:33.2/25

All: 0.001+/-0.065 χ^2/NDF: 54.7/48



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 578.873+/-0.169 χ^2/NDF:390443.2/7

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 532.807+/-0.158 χ^2/NDF:642159.7/6

Left: 554.409+/-0.115 χ^2/NDF: 1072288.9/14

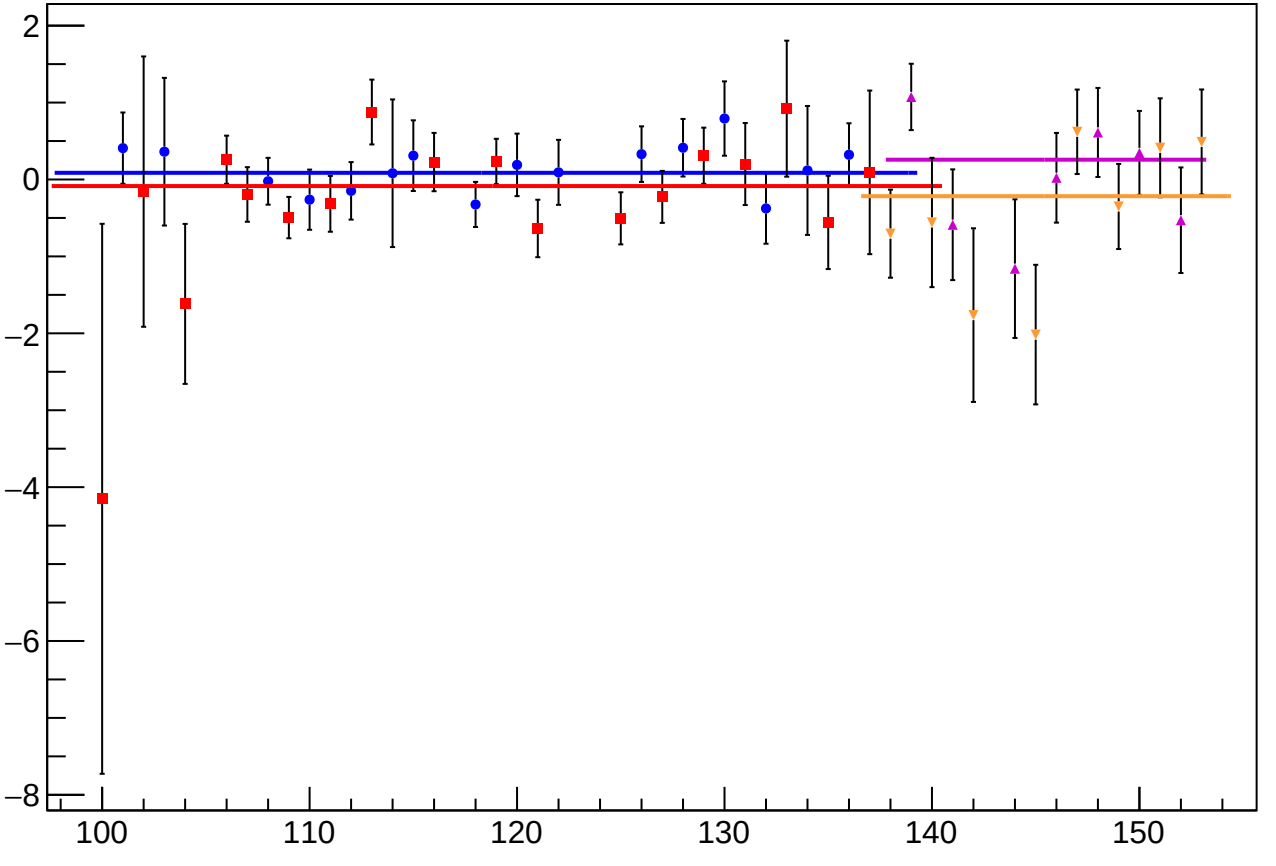
Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 313.052+/-0.067 χ^2/NDF:4276192.8/22

Out: 282.105+/-0.064 χ^2/NDF:6042060.0/25

All: 296.741+/-0.046 χ^2/NDF: 10429815.1/48

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: -0.217+/-0.238 χ^2/NDF:11.1/7

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.257+/-0.224 χ^2/NDF:9.3/6

Left: 0.035+/-0.163 χ^2/NDF: 22.5/14

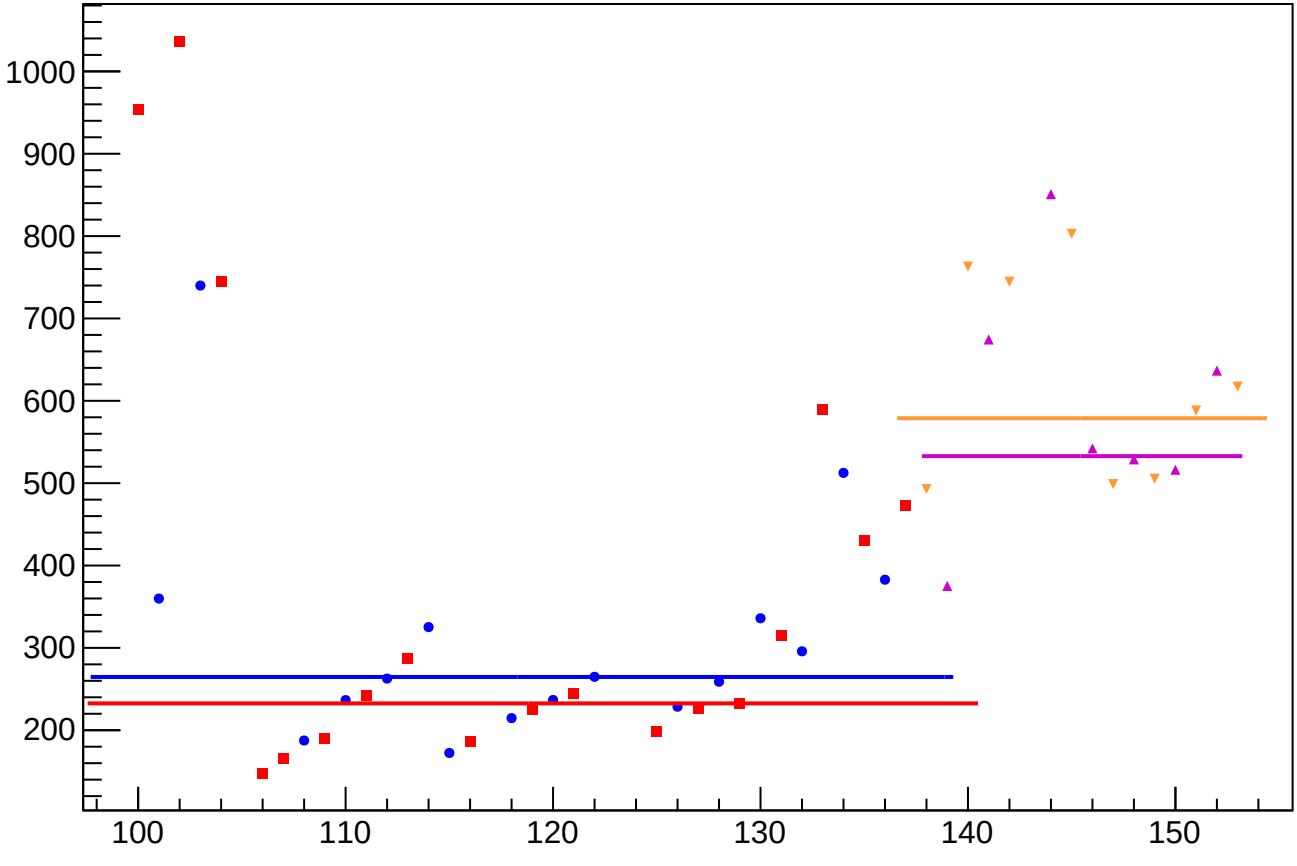
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.118+/-0.095 χ^2/NDF:18.6/22

Out: -0.104+/-0.090 χ^2/NDF:33.2/25

All: 0.001+/-0.065 χ^2/NDF: 54.7/48

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: 578.873+/-0.169 χ^2/NDF:390443.2/7

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 532.807+/-0.158 χ^2/NDF:642159.7/6

Left: 554.409+/-0.115 χ^2/NDF: 1072288.9/14

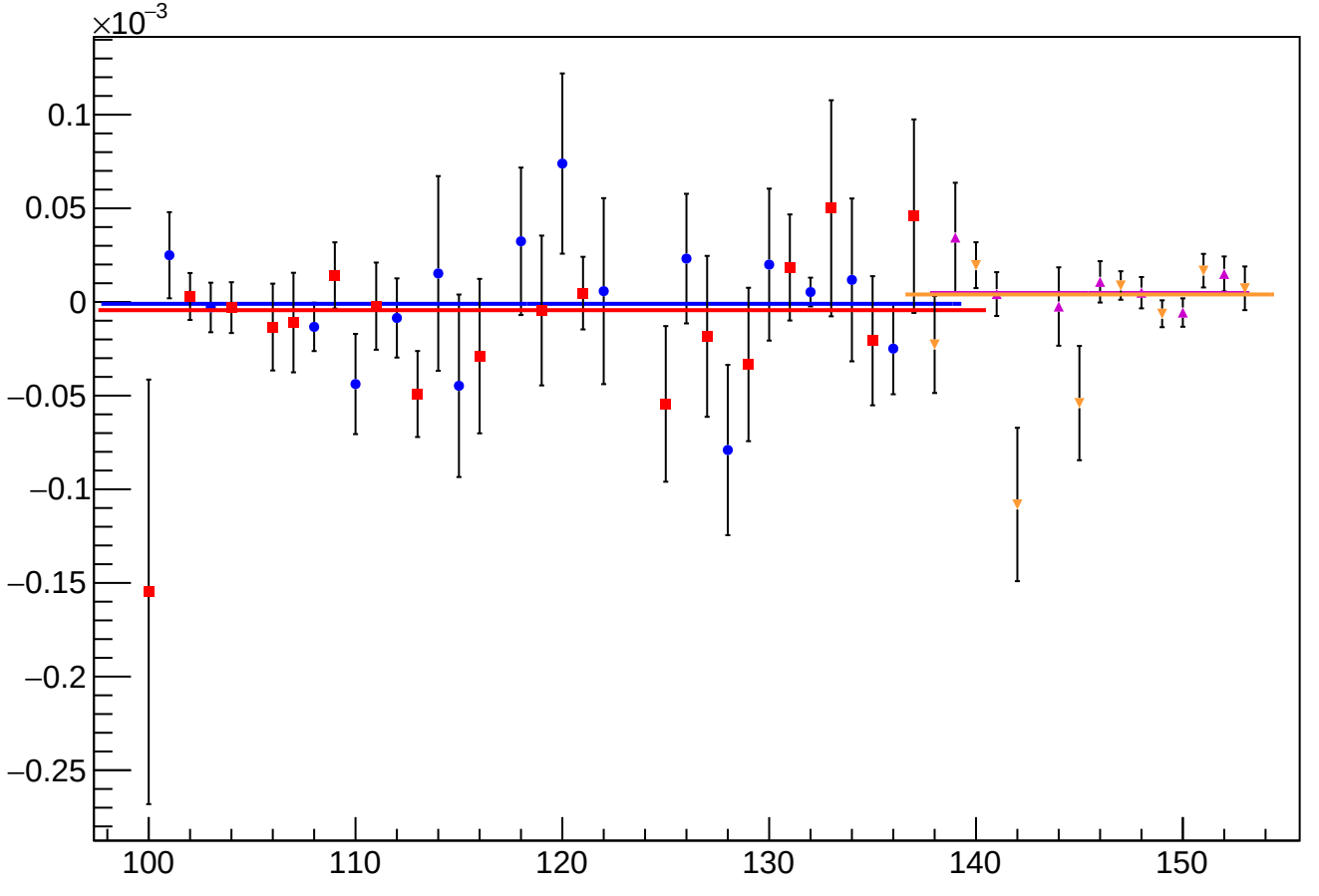
Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 313.052+/-0.067 χ^2/NDF:4276192.8/22

Out: 282.105+/-0.064 χ^2/NDF:6042060.0/25

All: 296.741+/-0.046 χ^2/NDF: 10429815.1/48

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.4/7

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:4.5/6

Left: 0.000+/-0.000 χ^2/NDF: 22.9/14

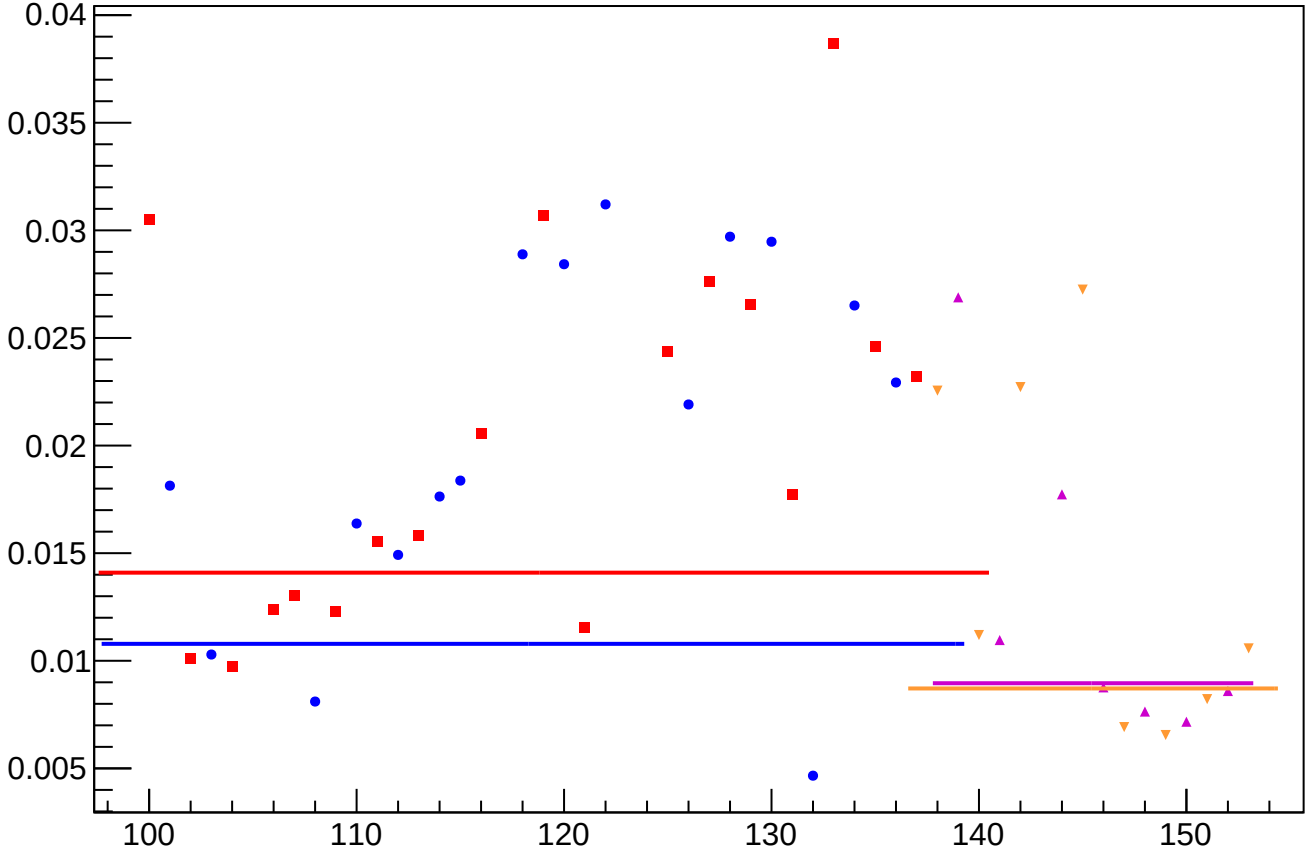
Right: -0.000+/-0.000 χ^2/NDF: 27.2/33

In: 0.000+/-0.000 χ^2/NDF:19.7/22

Out: 0.000+/-0.000 χ^2/NDF:32.4/25

All: 0.000+/-0.000 χ^2/NDF: 52.2/48

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: 0.009+/-0.000 χ^2/NDF:1976047.6/7

Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

Left In: 0.009+/-0.000 χ^2/NDF:1326602.3/6

Left: 0.009+/-0.000 χ^2/NDF: 3306443.1/14

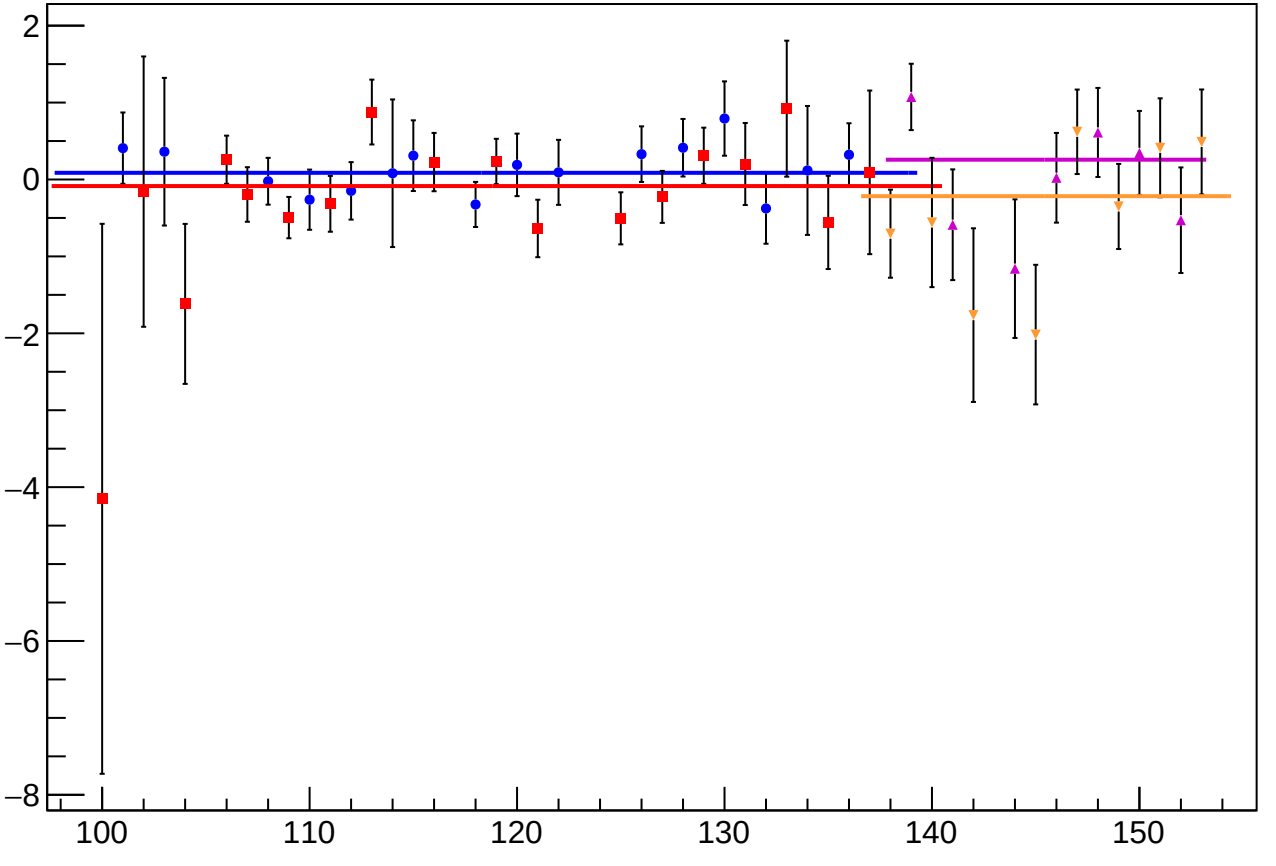
Right: 0.012+/-0.000 χ^2/NDF: 7045946.1/33

In: 0.010+/-0.000 χ^2/NDF:6071214.9/22

Out: 0.010+/-0.000 χ^2/NDF:5269821.5/25

All: 0.010+/-0.000 χ^2/NDF: 11393749.4/48

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: -0.217+/-0.238 χ^2/NDF:11.1/7

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.257+/-0.224 χ^2/NDF:9.3/6

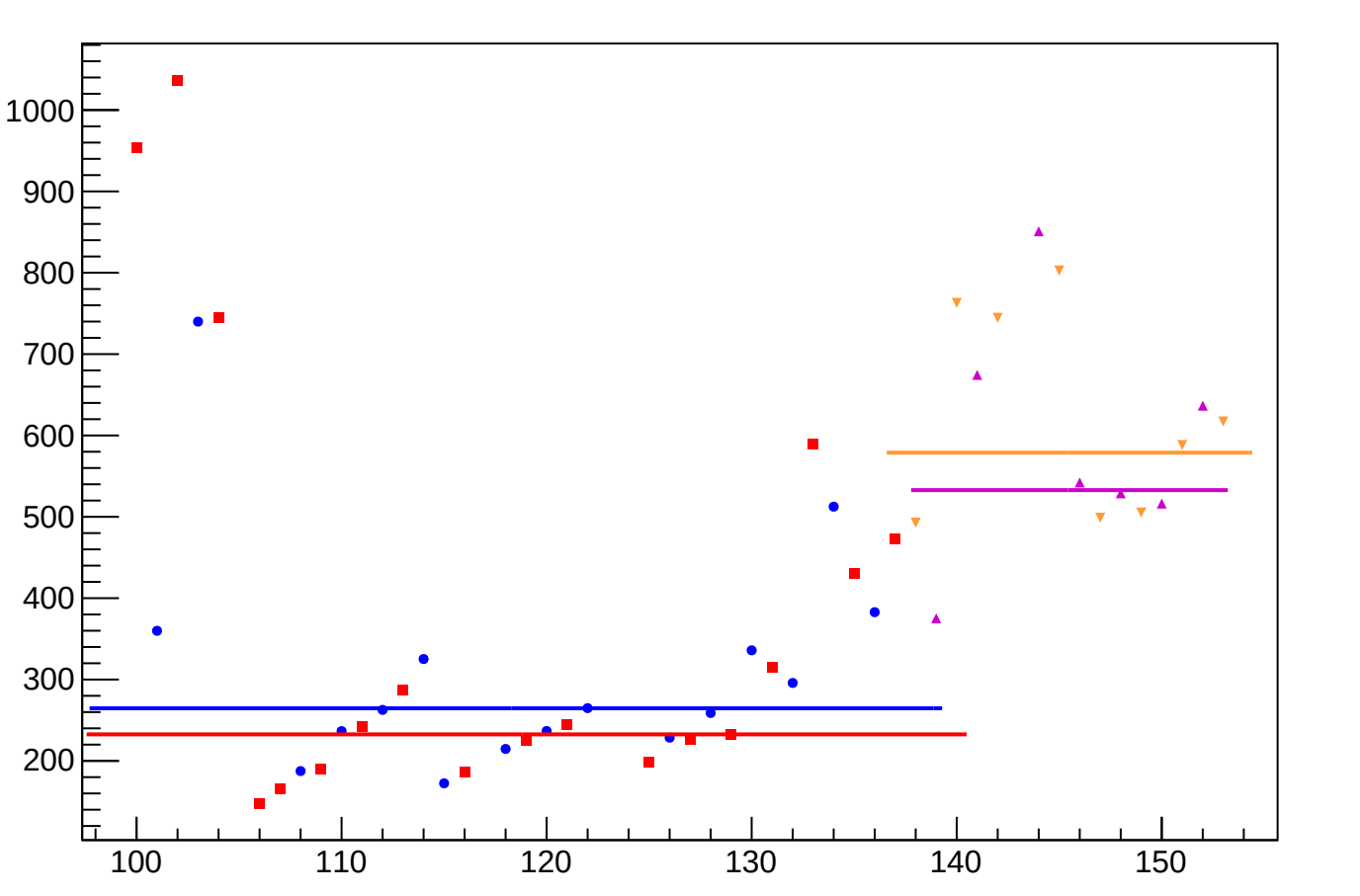
Left: 0.035+/-0.163 χ^2/NDF: 22.5/14

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.118+/-0.095 χ^2/NDF:18.6/22

Out: -0.104+/-0.090 χ^2/NDF:33.2/25

All: 0.001+/-0.065 χ^2/NDF: 54.7/48



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 578.878+/-0.169 χ^2/NDF:390446.6/7

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 532.815+/-0.158 χ^2/NDF:642133.0/6

Left: 554.416+/-0.115 χ^2/NDF: 1072261.4/14

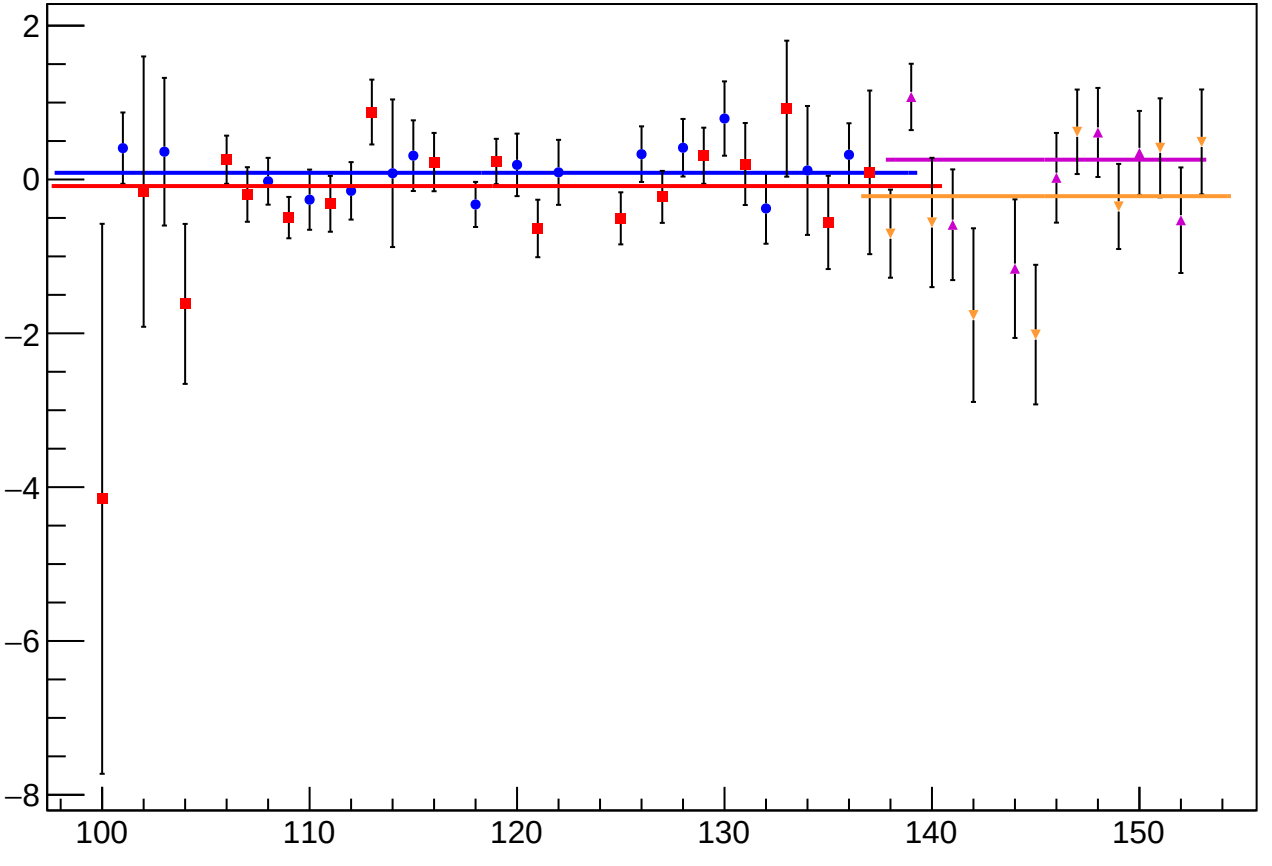
Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 313.051+/-0.067 χ^2/NDF:4276222.5/22

Out: 282.105+/-0.064 χ^2/NDF:6042098.6/25

All: 296.741+/-0.046 χ^2/NDF: 10429877.9/48

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: -0.217+/-0.238 χ^2/NDF:11.1/7

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.257+/-0.224 χ^2/NDF:9.3/6

Left: 0.035+/-0.163 χ^2/NDF: 22.5/14

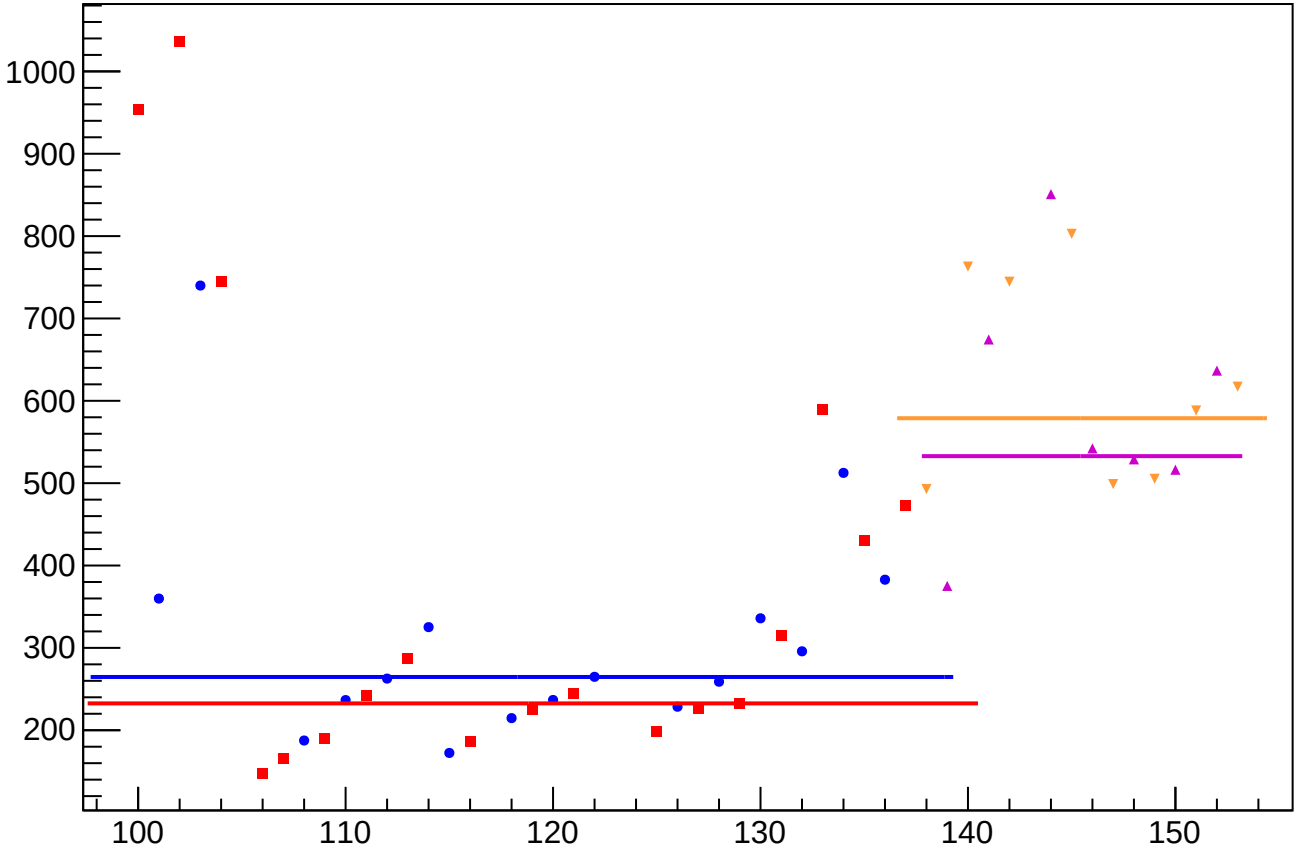
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.118+/-0.095 χ^2/NDF:18.6/22

Out: -0.104+/-0.090 χ^2/NDF:33.2/25

All: 0.001+/-0.065 χ^2/NDF: 54.7/48

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: 578.878+/-0.169 χ^2/NDF:390446.6/7

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 532.815+/-0.158 χ^2/NDF:642133.0/6

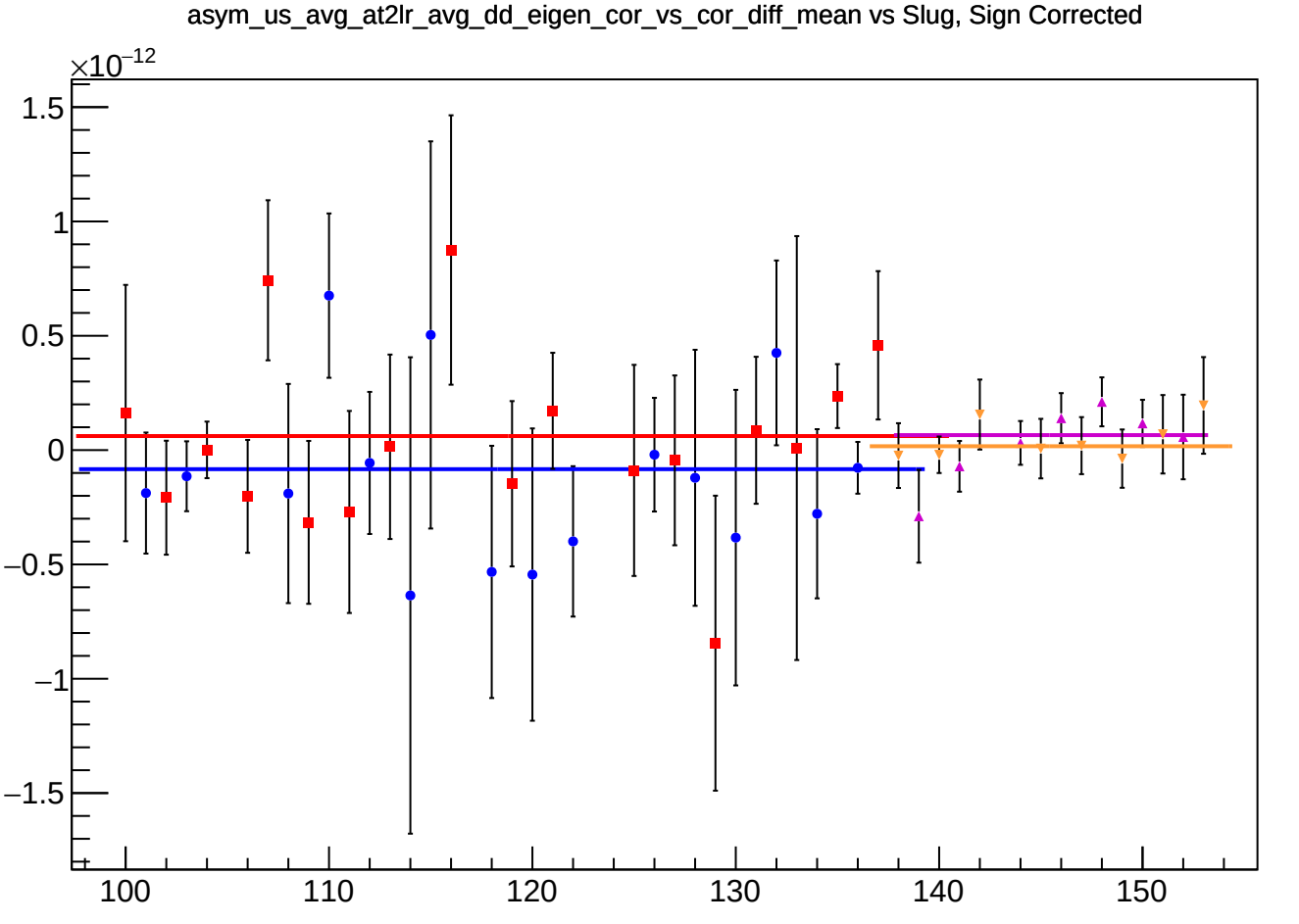
Left: 554.416+/-0.115 χ^2/NDF: 1072261.4/14

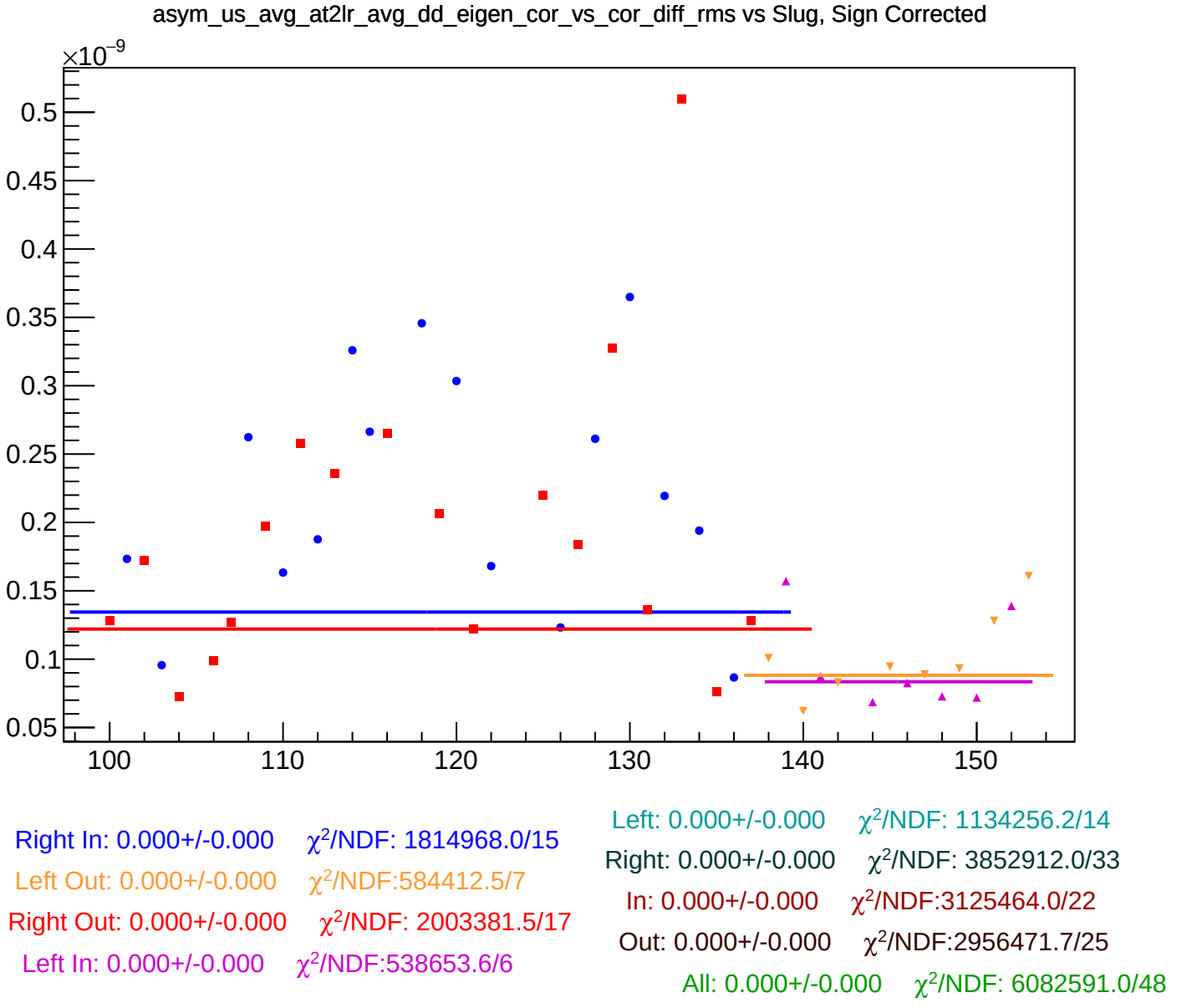
Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

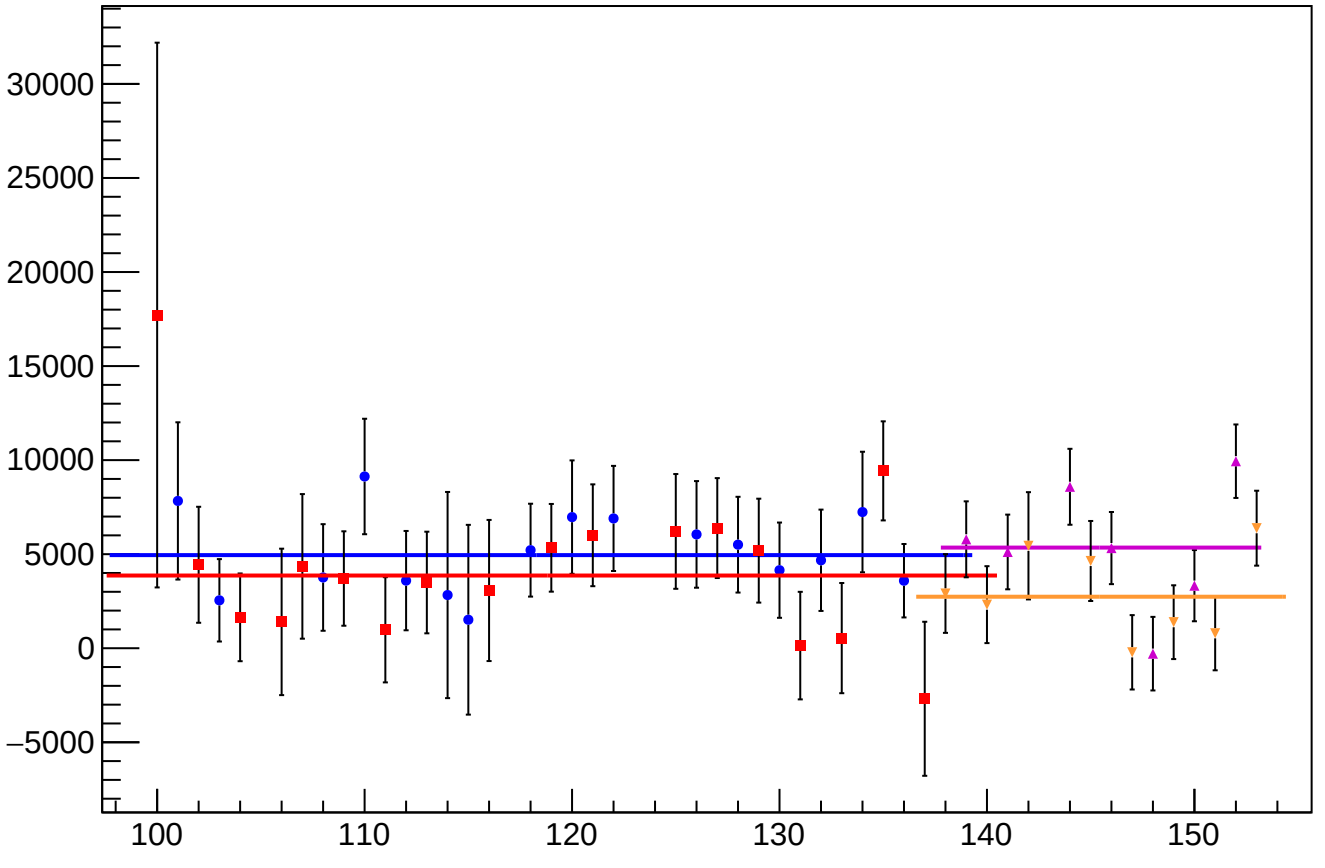
In: 313.051+/-0.067 χ^2/NDF:4276222.5/22

Out: 282.105+/-0.064 χ^2/NDF:6042098.6/25

All: 296.741+/-0.046 χ^2/NDF: 10429877.9/48


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.5
1
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 9.7/15
Left Out: 0.000+/-0.000 χ²/NDF:2.1/7
Right Out: 0.000+/-0.000 χ²/NDF: 15.7/17
Left In: 0.000+/-0.000 χ²/NDF:7.3/6
Left: 0.000+/-0.000 χ²/NDF: 10.0/14
Right: -0.000+/-0.000 χ²/NDF: 27.8/33
In: 0.000+/-0.000 χ²/NDF:20.3/22
Out: 0.000+/-0.000 χ²/NDF:18.2/25
All: 0.000+/-0.000 χ²/NDF: 38.5/48


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1814968.0/15
Left Out: 0.000+/-0.000 χ²/NDF:584412.5/7
Right Out: 0.000+/-0.000 χ²/NDF: 2003381.5/17
Left In: 0.000+/-0.000 χ²/NDF:538653.6/6
Left: 0.000+/-0.000 χ²/NDF: 1134256.2/14
Right: 0.000+/-0.000 χ²/NDF: 3852912.0/33
In: 0.000+/-0.000 χ²/NDF:3125464.0/22
Out: 0.000+/-0.000 χ²/NDF:2956471.7/25
All: 0.000+/-0.000 χ²/NDF: 6082591.0/48



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 2738.218+/-737.700 χ^2/NDF:8.8/7

Right Out: 3865.145+/-695.781 χ^2/NDF: 16.2/17

Left In: 5350.169+/-741.470 χ^2/NDF:17.6/6

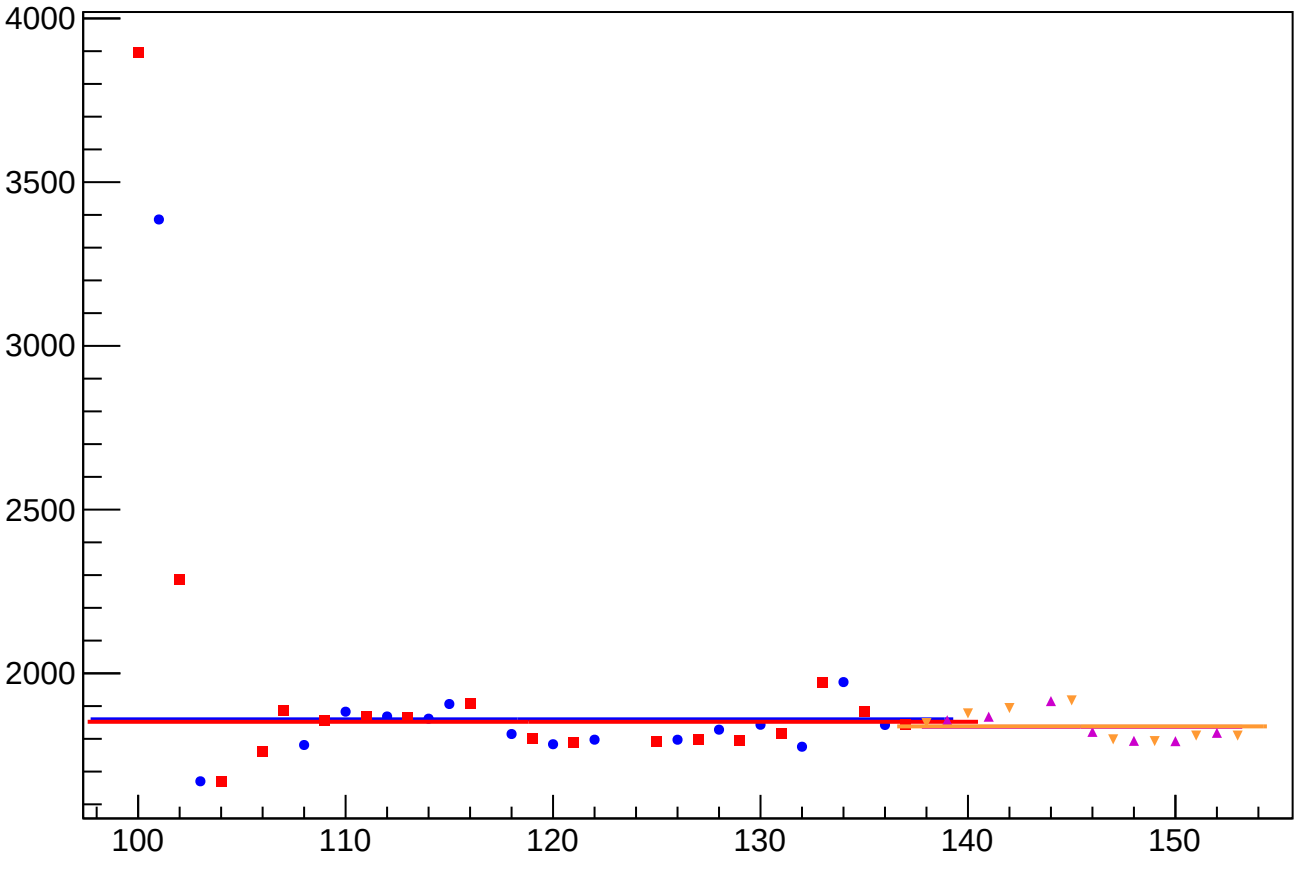
Left: 4037.536+/-522.960 χ^2/NDF: 32.6/14

Right: 4405.277+/-493.103 χ^2/NDF: 24.2/33

In: 5138.448+/-508.595 χ^2/NDF:24.6/22

Out: 3334.608+/-506.162 χ^2/NDF:26.2/25

All: 4232.204+/-358.768 χ^2/NDF: 57.1/48



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1838.035+/-0.522 χ^2/NDF:7015.5/7

Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1836.560+/-0.524 χ^2/NDF:6045.7/6

Left: 1837.301+/-0.370 χ^2/NDF: 13065.2/14

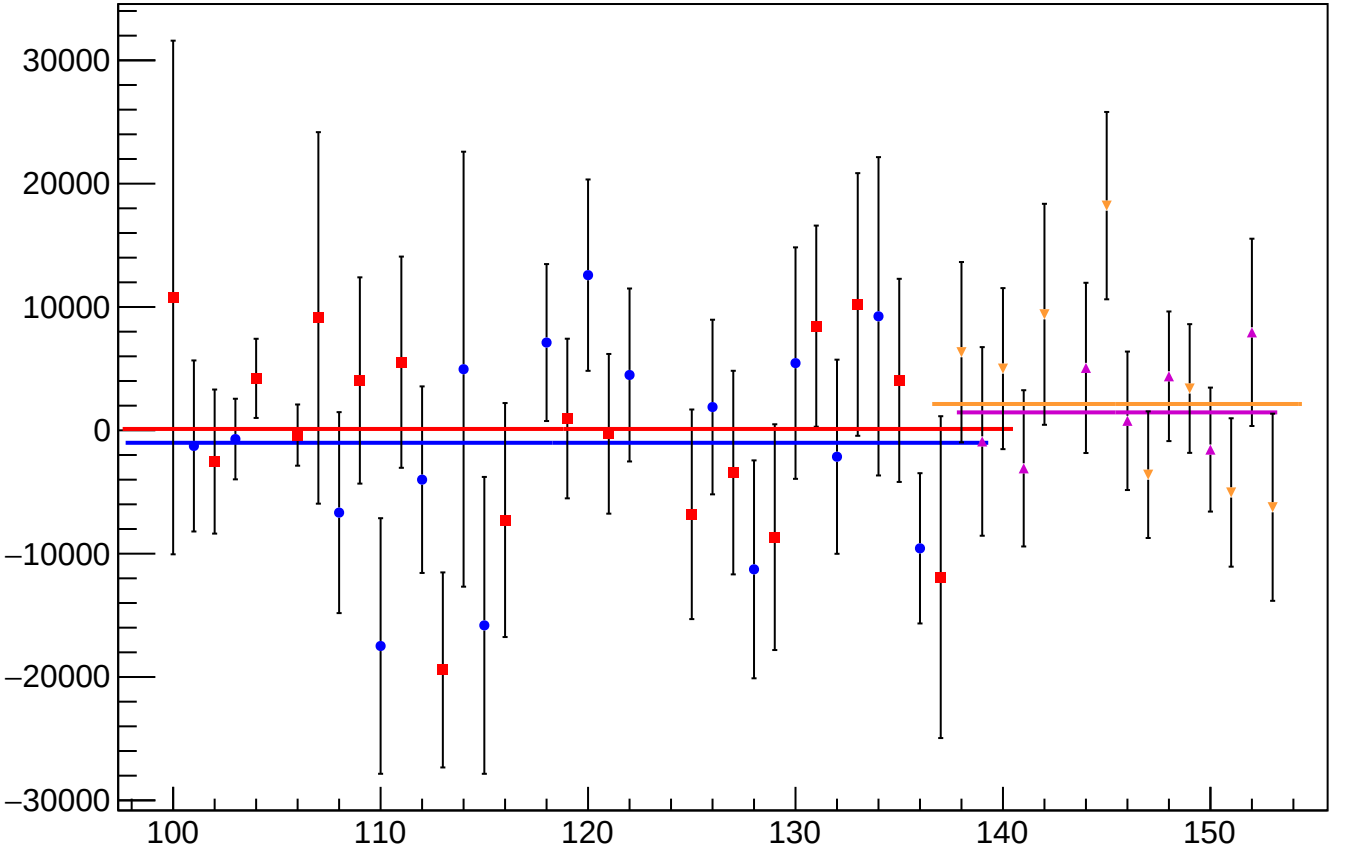
Right: 1855.759+/-0.348 χ^2/NDF: 394661.4/33

In: 1848.712+/-0.360 χ^2/NDF:299394.8/22

Out: 1845.481+/-0.357 χ^2/NDF:109612.0/25

All: 1847.086+/-0.253 χ^2/NDF: 409047.4/48

asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: 2136.478+/-2284.386 χ^2/NDF:9.6/7

Right Out: 111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: 1454.748+/-2307.006 χ^2/NDF:2.3/6

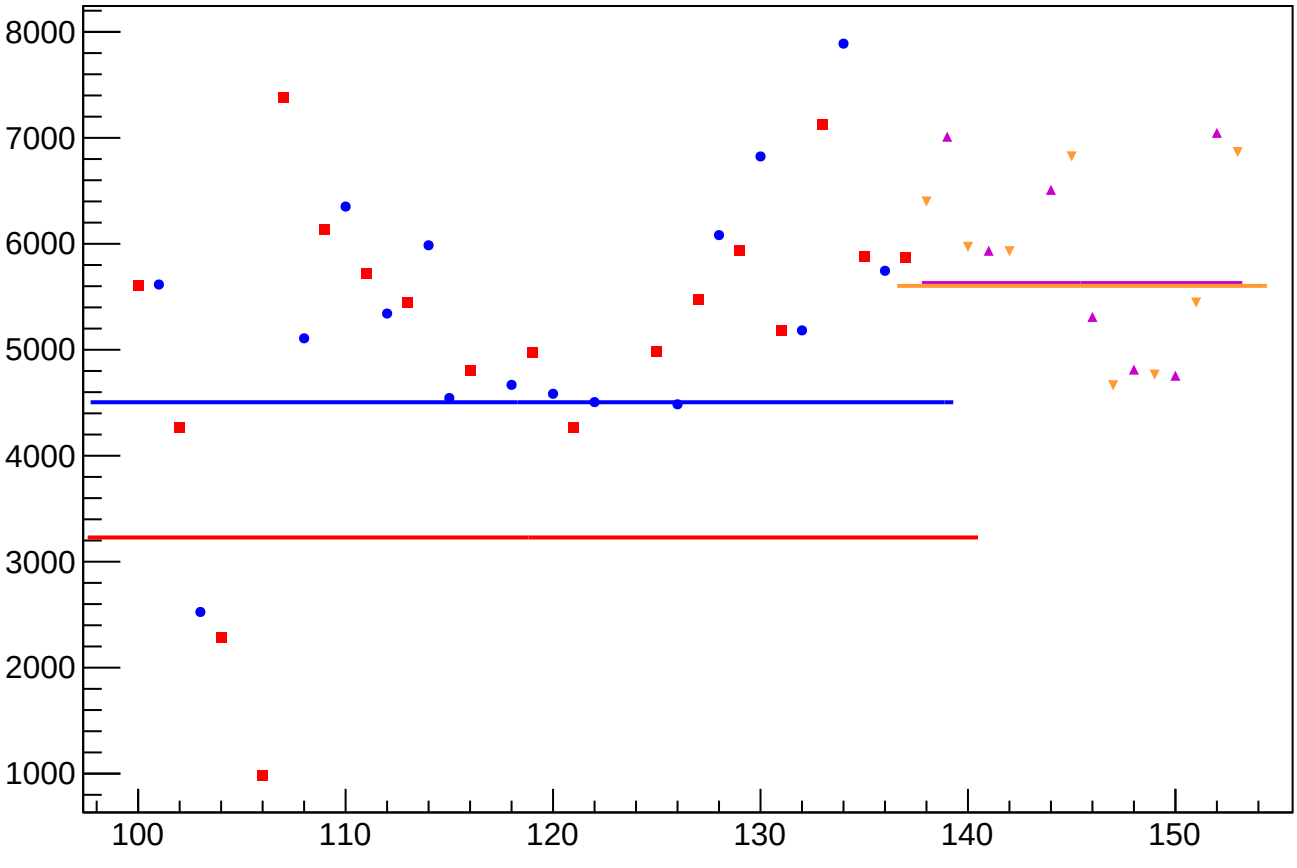
Left: 1798.972+/-1623.243 χ^2/NDF: 11.9/14

Right: -336.636+/-1114.867 χ^2/NDF: 29.6/33

In: -100.701+/-1401.391 χ^2/NDF:17.8/22

Out: 686.313+/-1217.271 χ^2/NDF:24.8/25

All: 347.869+/-918.991 χ^2/NDF: 42.7/48



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 5603.077+/-1.615 χ^2/NDF:259526.6/7

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

Left In: 5629.491+/-1.631 χ^2/NDF:287394.7/6

Left: 5616.154+/-1.148 χ^2/NDF: 547053.6/14

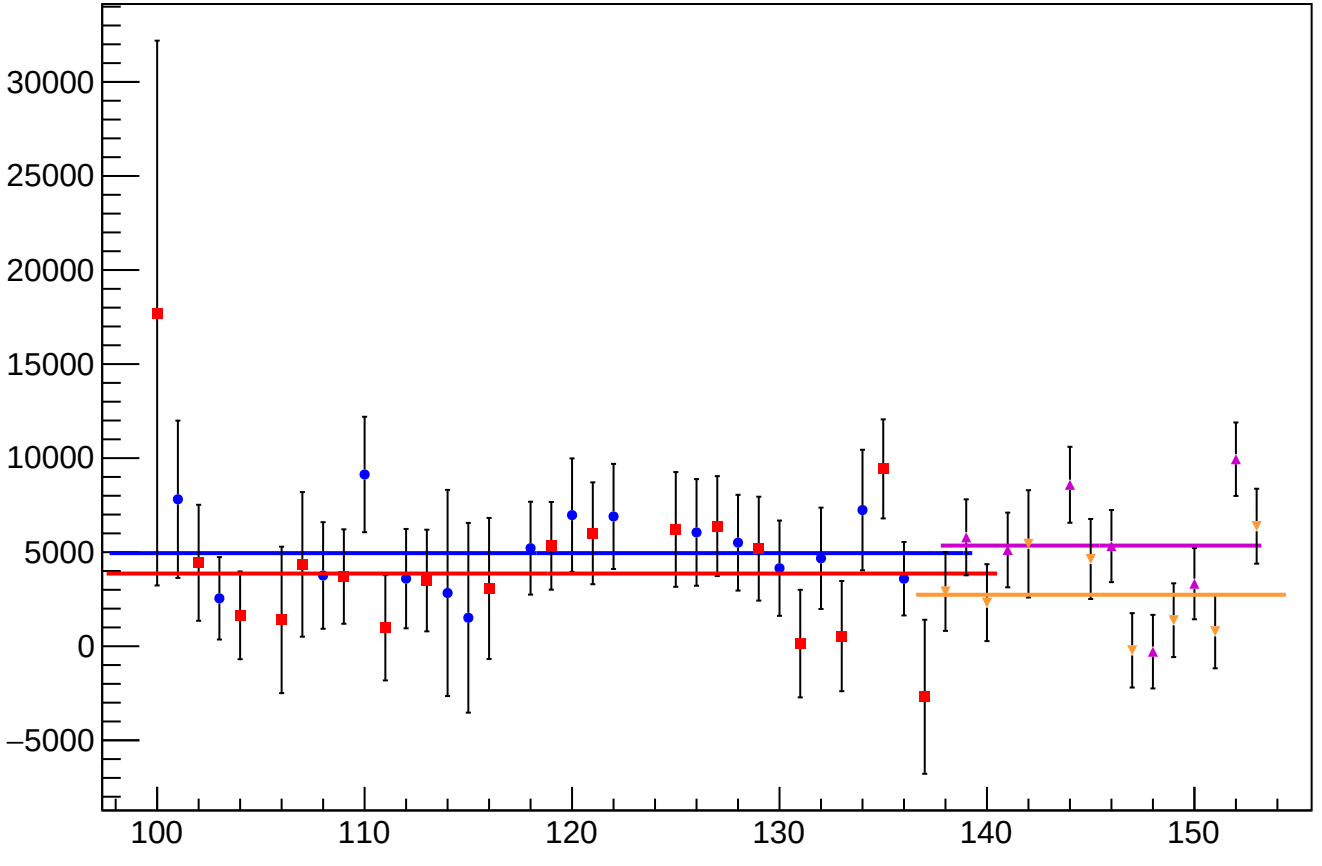
Right: 3738.256+/-0.788 χ^2/NDF: 5906121.0/33

In: 4919.798+/-0.991 χ^2/NDF:1908443.9/22

Out: 3902.827+/-0.861 χ^2/NDF:5763211.3/25

All: 4340.160+/-0.650 χ^2/NDF: 8271967.4/48

cor_asym_us_avg_atlr_avg_avg_mean vs Slug, Sign Corrected



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 2738.048+/-737.700 χ^2/NDF:8.8/7

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 5350.460+/-741.470 χ^2/NDF:17.6/6

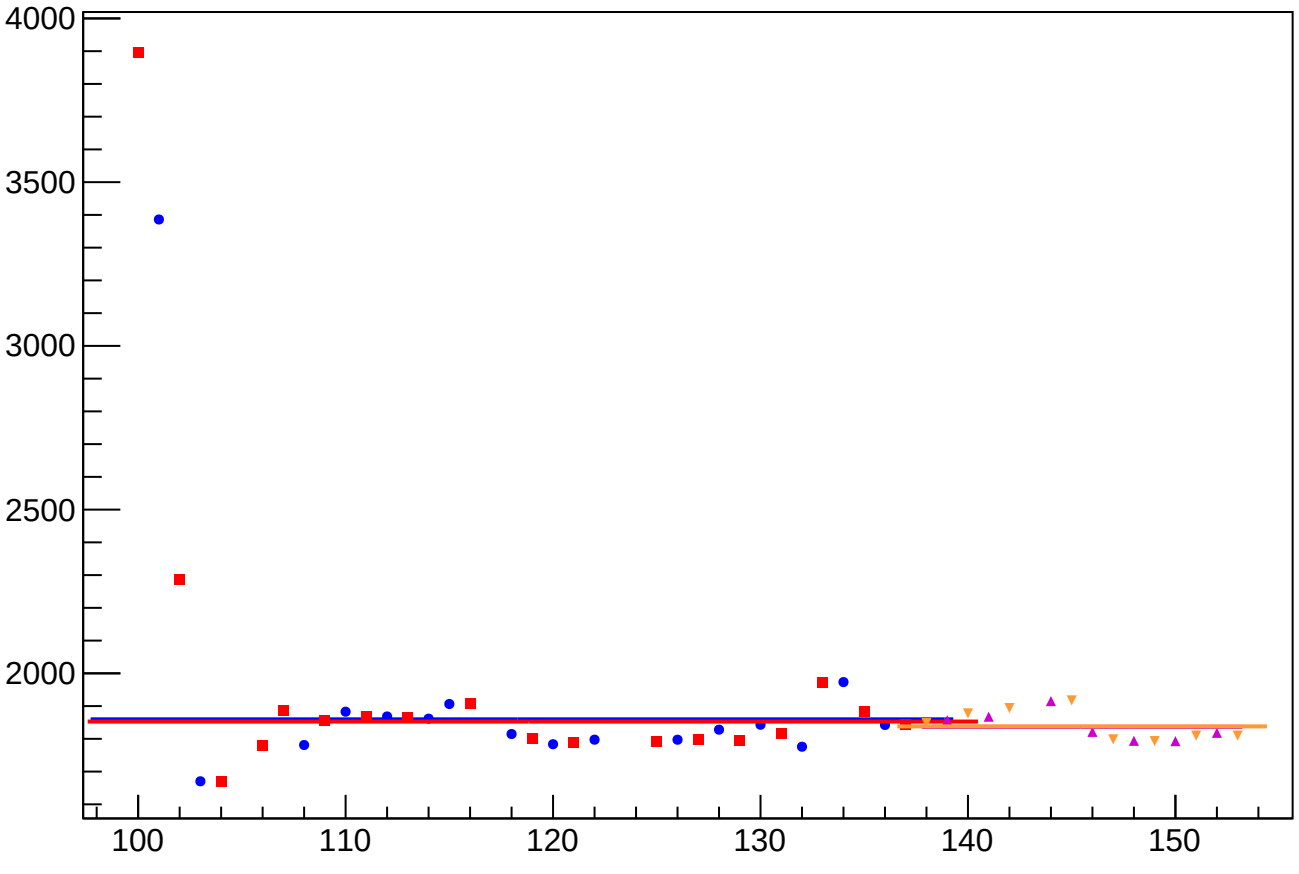
Left: 4037.596+/-522.960 χ^2/NDF: 32.6/14

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 5138.330+/-508.595 χ^2/NDF:24.6/22

Out: 3334.414+/-506.162 χ^2/NDF:26.2/25

All: 4232.047+/-358.768 χ^2/NDF: 57.1/48



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1838.035+/-0.522 χ^2/NDF:7015.5/7

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1836.560+/-0.524 χ^2/NDF:6045.7/6

Left: 1837.301+/-0.370 χ^2/NDF: 13065.2/14

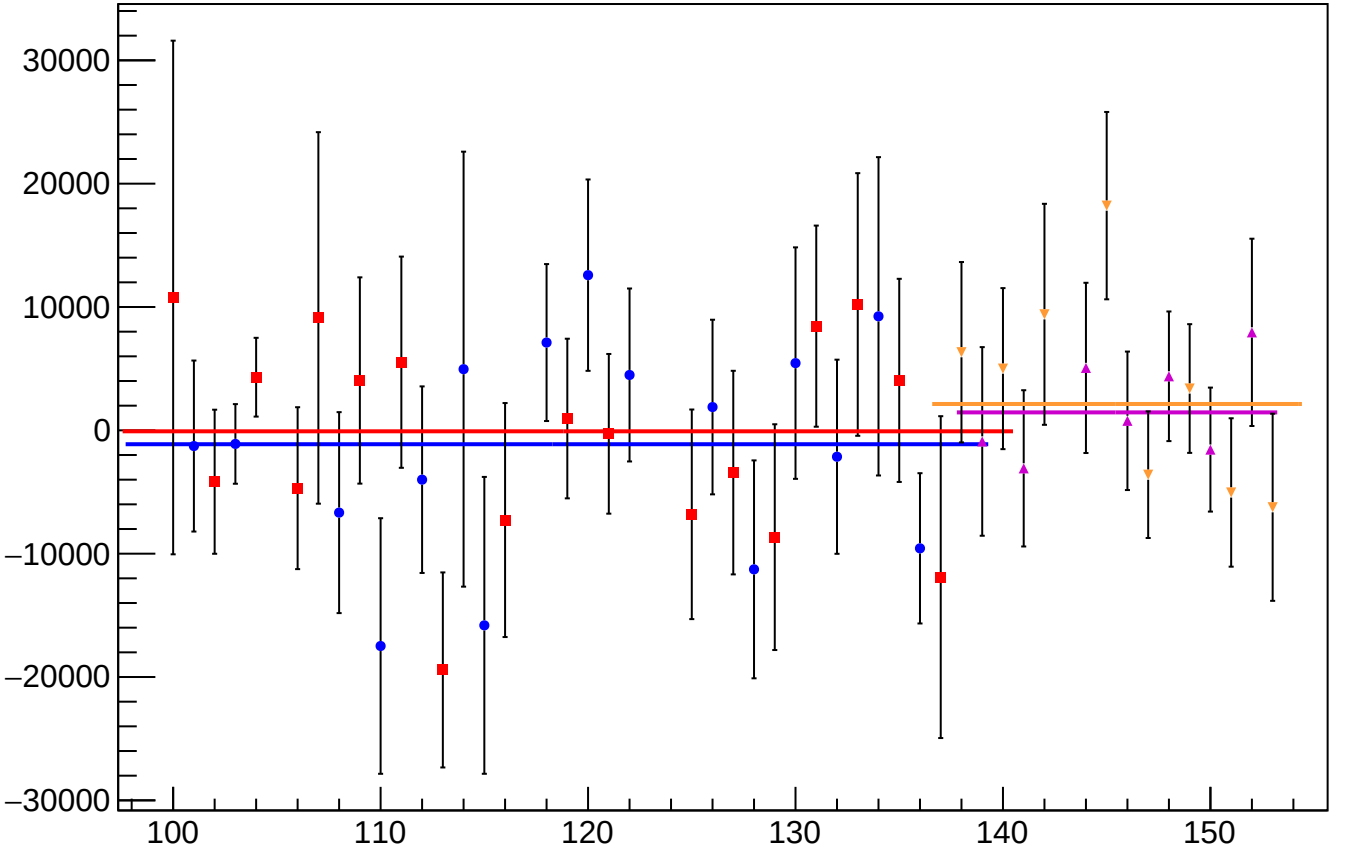
Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1848.712+/-0.360 χ^2/NDF:299396.7/22

Out: 1845.853+/-0.357 χ^2/NDF:109189.4/25

All: 1847.273+/-0.254 χ^2/NDF: 408618.0/48

asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 2136.336+/-2284.384 χ^2/NDF:9.6/7

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 1454.905+/-2307.006 χ^2/NDF:2.3/6

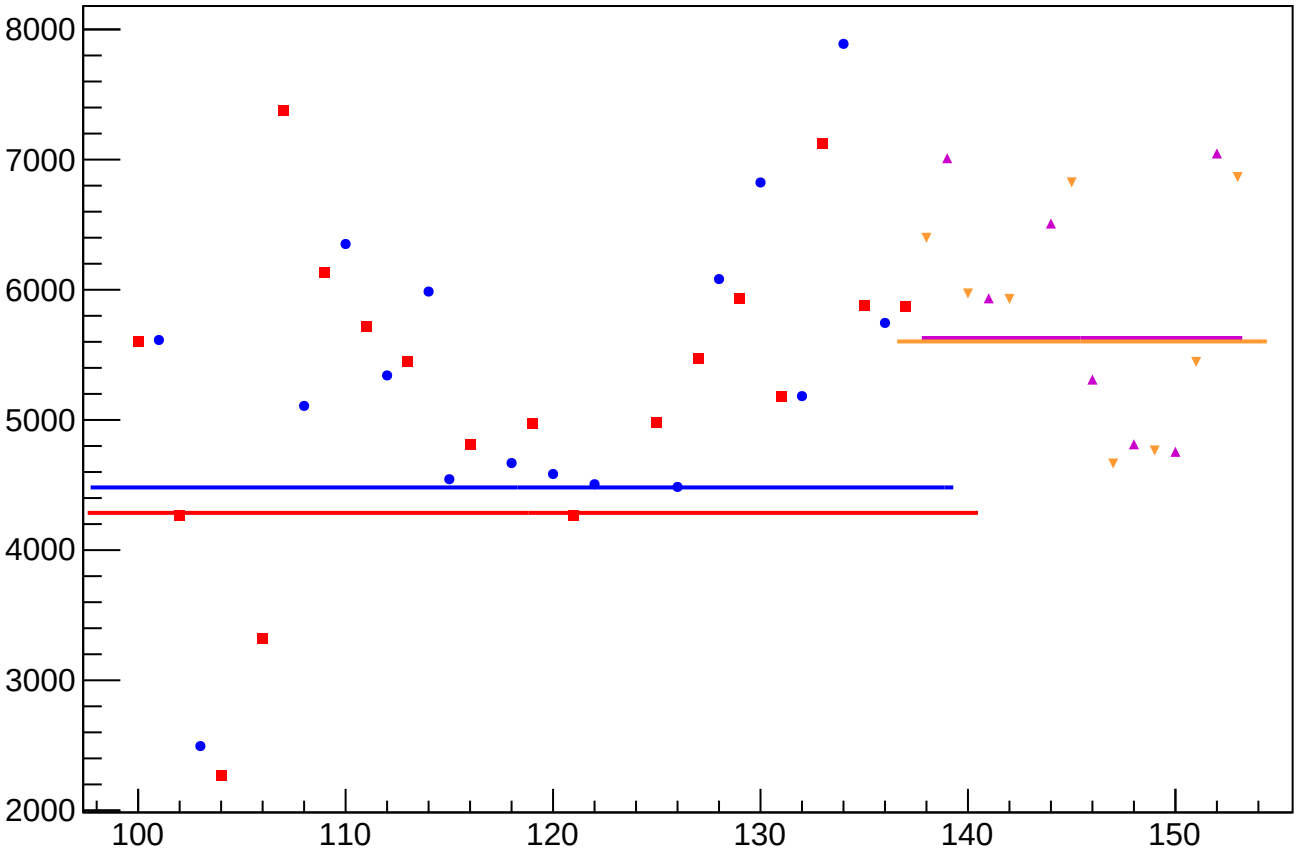
Left: 1798.978+/-1623.242 χ^2/NDF: 11.9/14

Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -177.683+/-1398.225 χ^2/NDF:17.8/22

Out: 712.520+/-1365.059 χ^2/NDF:25.8/25

All: 278.102+/-976.757 χ^2/NDF: 43.8/48



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 5603.070+/-1.615 χ^2/NDF:259528.9/7

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 5629.490+/-1.631 χ^2/NDF:287397.9/6

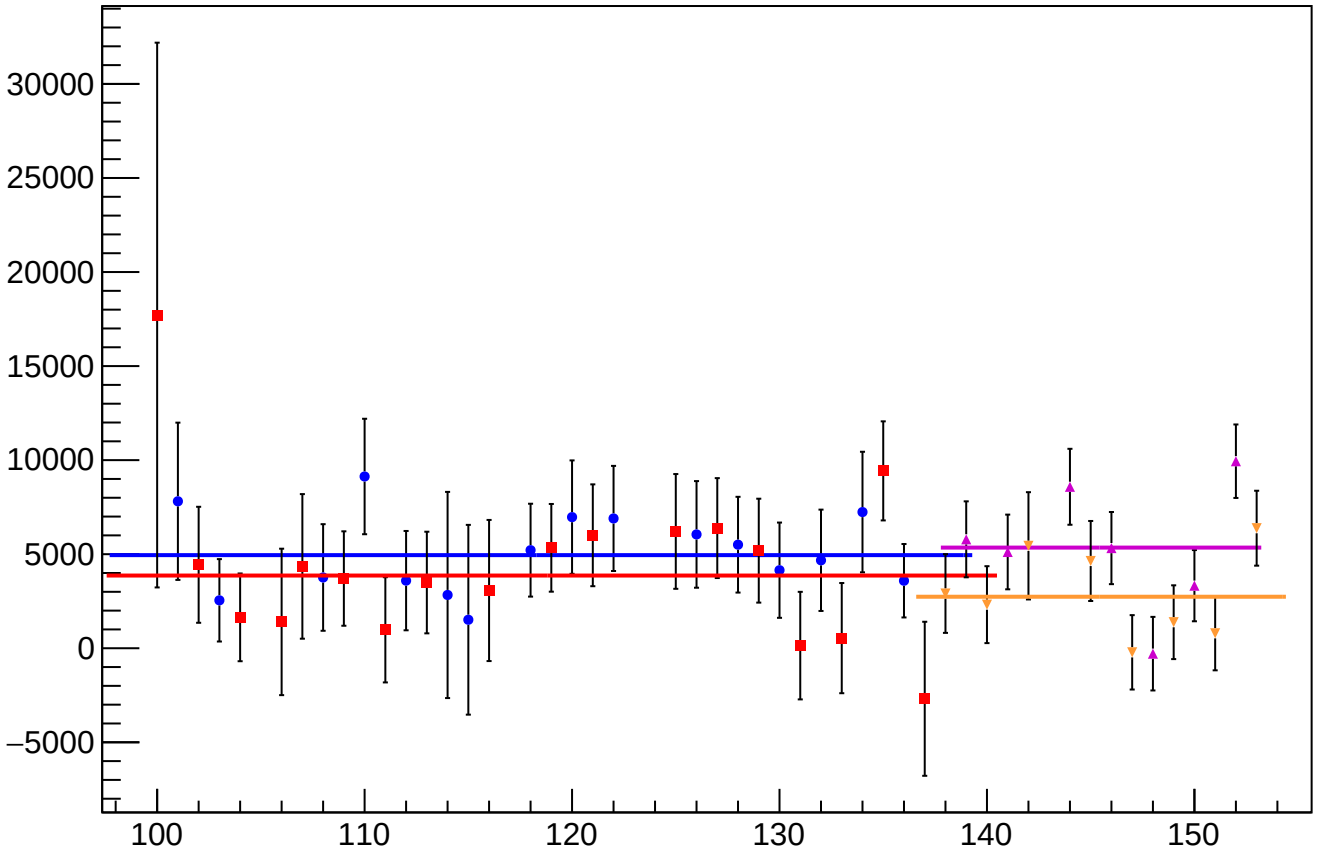
Left: 5616.150+/-1.148 χ^2/NDF: 547059.2/14

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 4903.203+/-0.989 χ^2/NDF:1962961.6/22

Out: 4756.379+/-0.965 χ^2/NDF:2236732.3/25

All: 4828.029+/-0.691 χ^2/NDF: 4210985.0/48



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 2738.048+/-737.700 χ^2/NDF:8.8/7

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 5350.460+/-741.470 χ^2/NDF:17.6/6

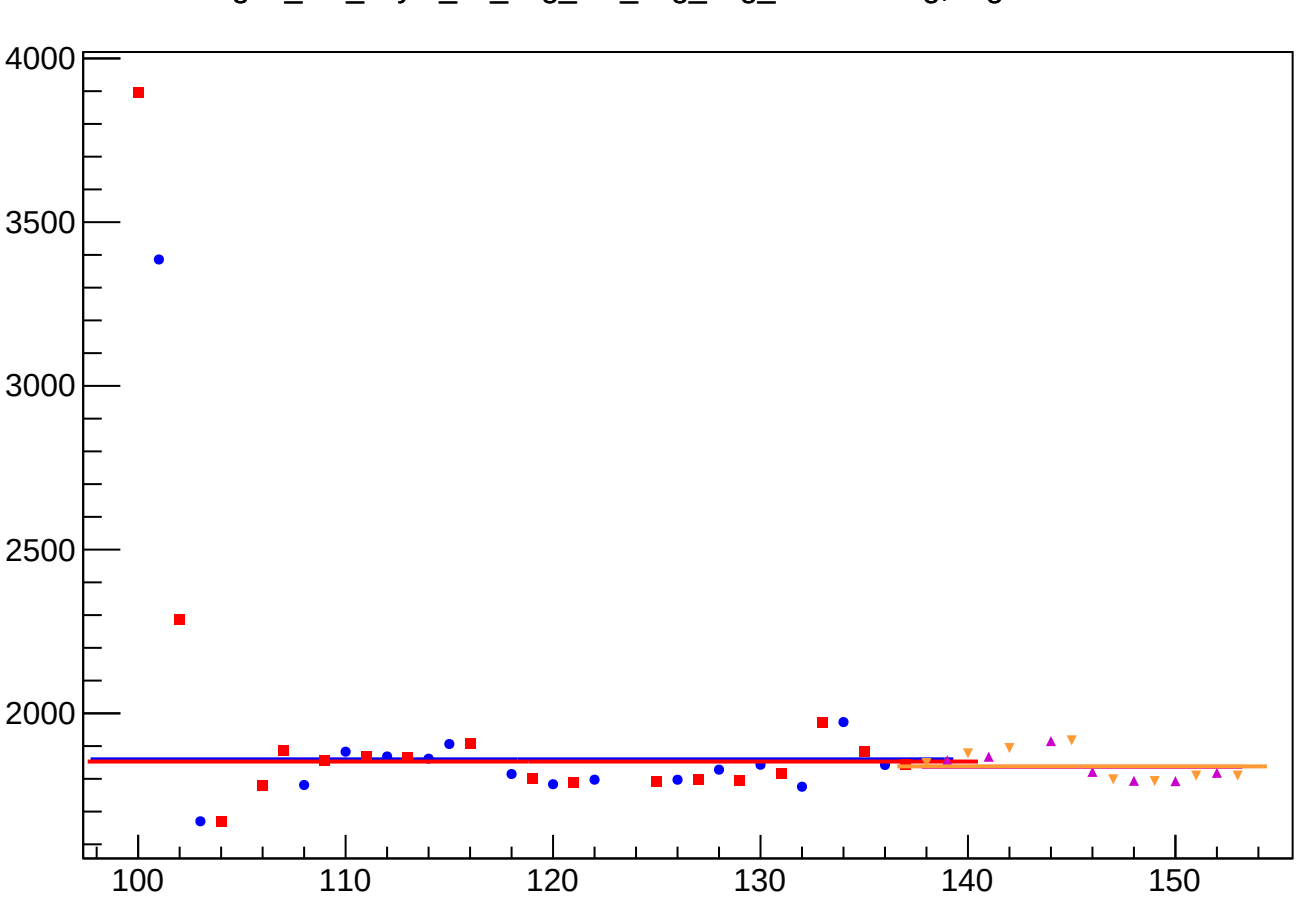
Left: 4037.596+/-522.960 χ^2/NDF: 32.6/14

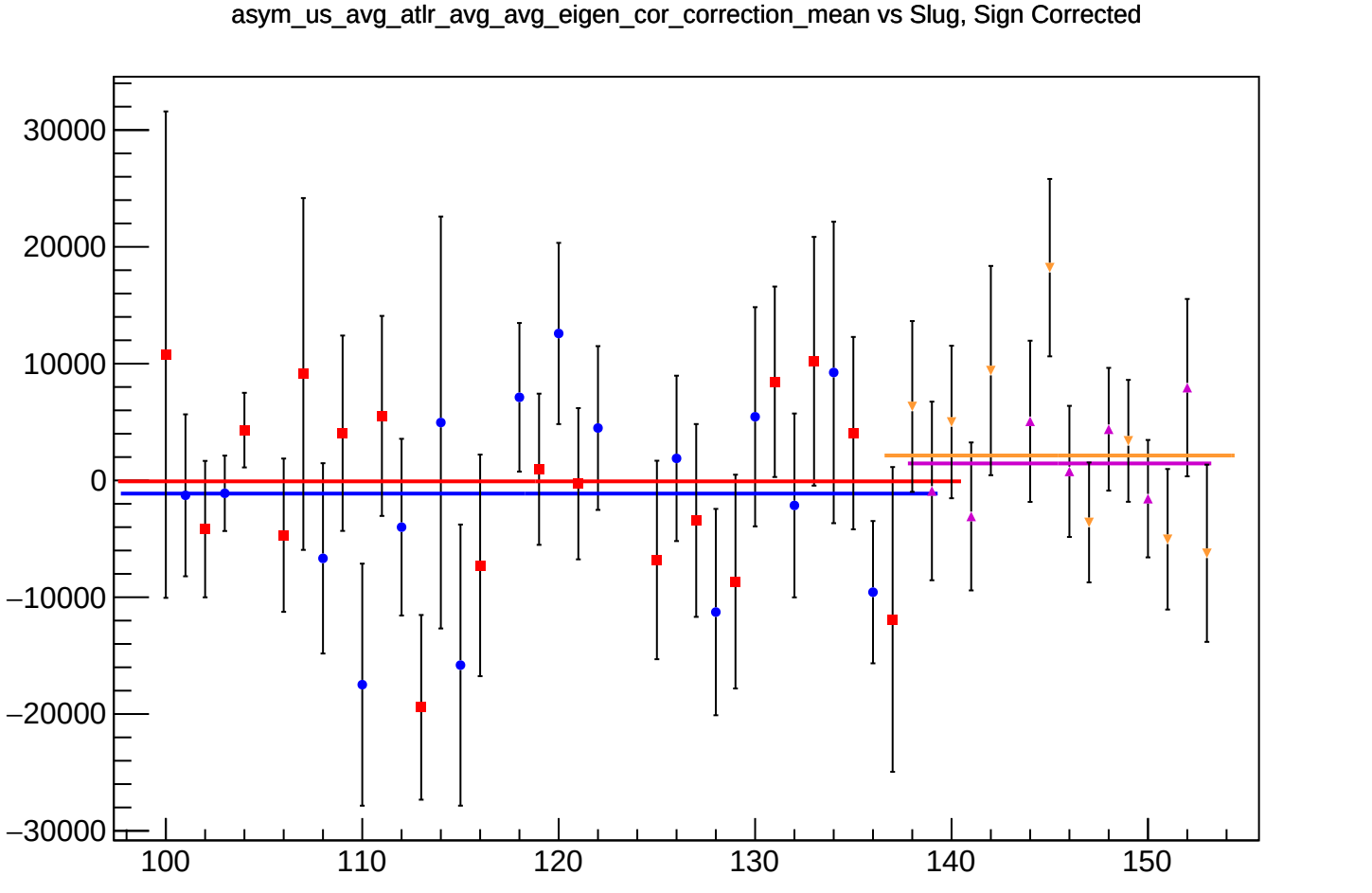
Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 5138.330+/-508.595 χ^2/NDF:24.6/22

Out: 3334.414+/-506.162 χ^2/NDF:26.2/25

All: 4232.047+/-358.768 χ^2/NDF: 57.1/48


eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
100
110
120
130
140
150
Right In: 1859.509+/-0.494 χ²/NDF: 292336.5/15
Left Out: 1838.035+/-0.522 χ²/NDF:7015.5/7
Right Out: 1852.770+/-0.491 χ²/NDF: 101750.5/17
Left In: 1836.560+/-0.524 χ²/NDF:6045.7/6
Left: 1837.301+/-0.370 χ²/NDF: 13065.2/14
Right: 1856.115+/-0.348 χ²/NDF: 394180.6/33
In: 1848.712+/-0.360 χ²/NDF:299396.7/22
Out: 1845.853+/-0.357 χ²/NDF:109189.4/25
All: 1847.273+/-0.254 χ²/NDF: 408618.0/48



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 2136.336+/-2284.384 χ^2/NDF:9.6/7

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 1454.905+/-2307.006 χ^2/NDF:2.3/6

Left: 1798.978+/-1623.242 χ^2/NDF: 11.9/14

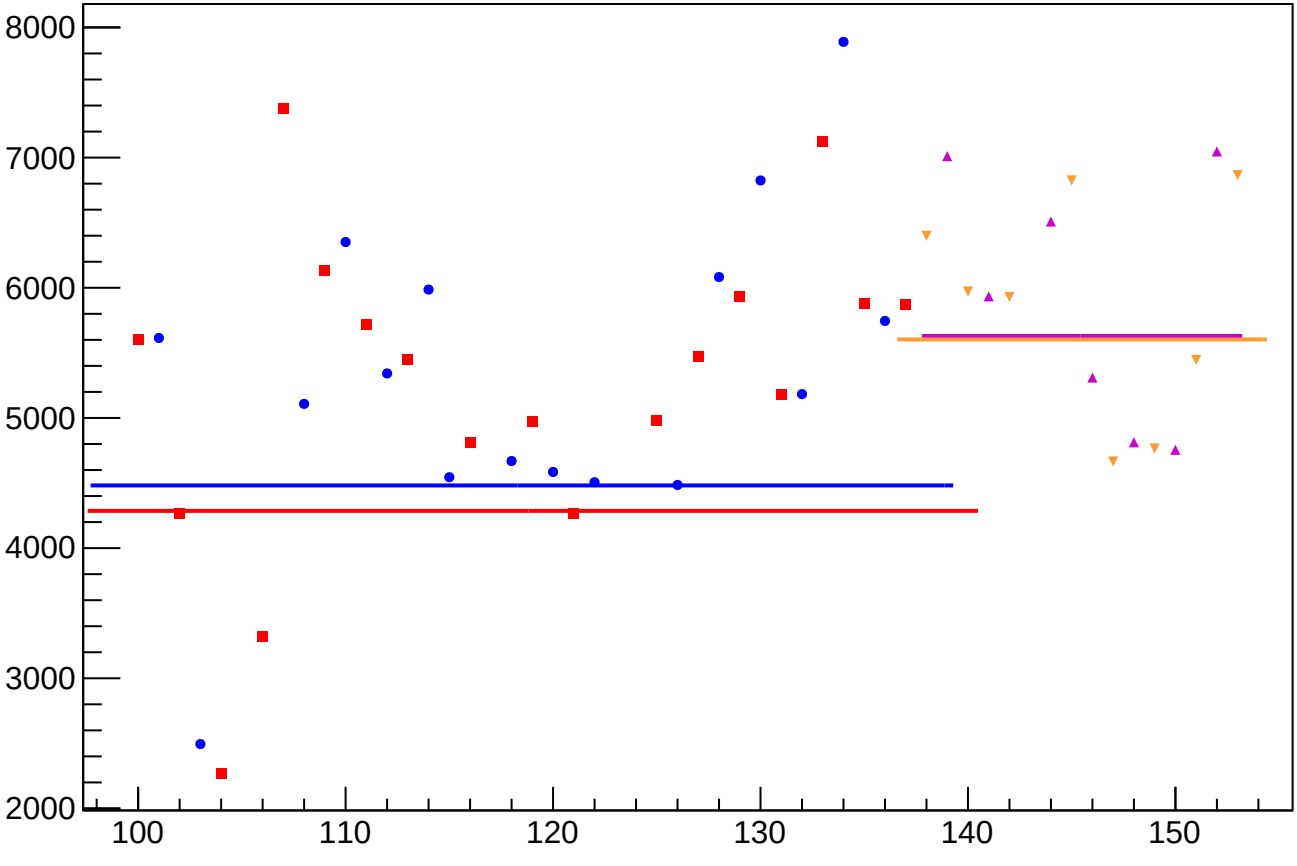
Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -177.683+/-1398.225 χ^2/NDF:17.8/22

Out: 712.520+/-1365.059 χ^2/NDF:25.8/25

All: 278.102+/-976.757 χ^2/NDF: 43.8/48

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: 5603.070+/-1.615 χ^2/NDF:259528.9/7

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 5629.490+/-1.631 χ^2/NDF:287397.9/6

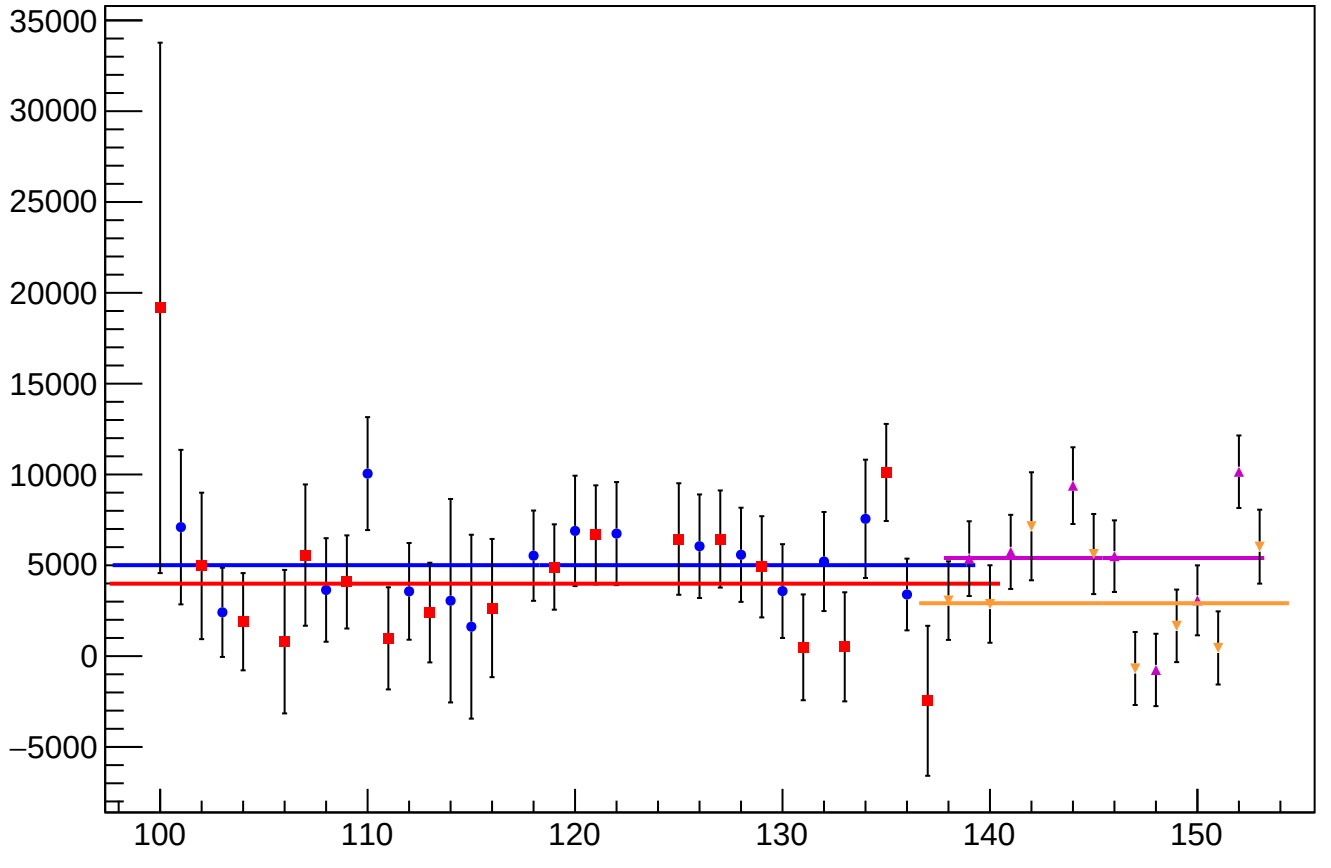
Left: 5616.150+/-1.148 χ^2/NDF: 547059.2/14

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 4903.203+/-0.989 χ^2/NDF:1962961.6/22

Out: 4756.379+/-0.965 χ^2/NDF:2236732.3/25

All: 4828.029+/-0.691 χ^2/NDF: 4210985.0/48



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 2912.941+/-758.436 χ^2/NDF:11.0/7

Right Out: 3989.193+/-719.024 χ^2/NDF: 17.4/17

Left In: 5402.642+/-760.326 χ^2/NDF:20.3/6

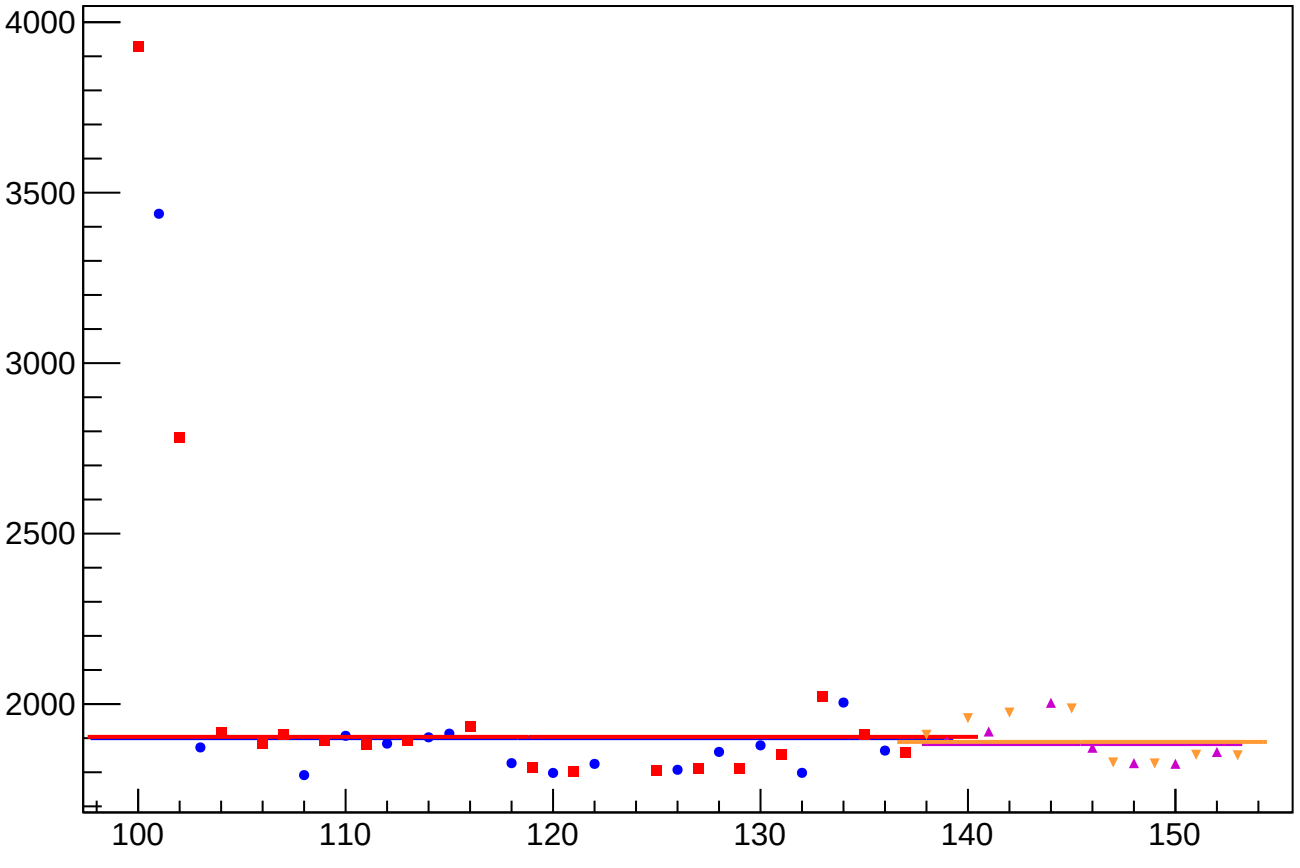
Left: 4154.692+/-536.962 χ^2/NDF: 36.6/14

Right: 4501.780+/-506.663 χ^2/NDF: 26.0/33

In: 5192.586+/-520.505 χ^2/NDF:28.1/22

Out: 3479.756+/-521.804 χ^2/NDF:29.4/25

All: 4338.305+/-368.511 χ^2/NDF: 62.9/48



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1889.050+/-0.536 χ^2/NDF:13206.0/7

Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1882.692+/-0.538 χ^2/NDF:10976.4/6

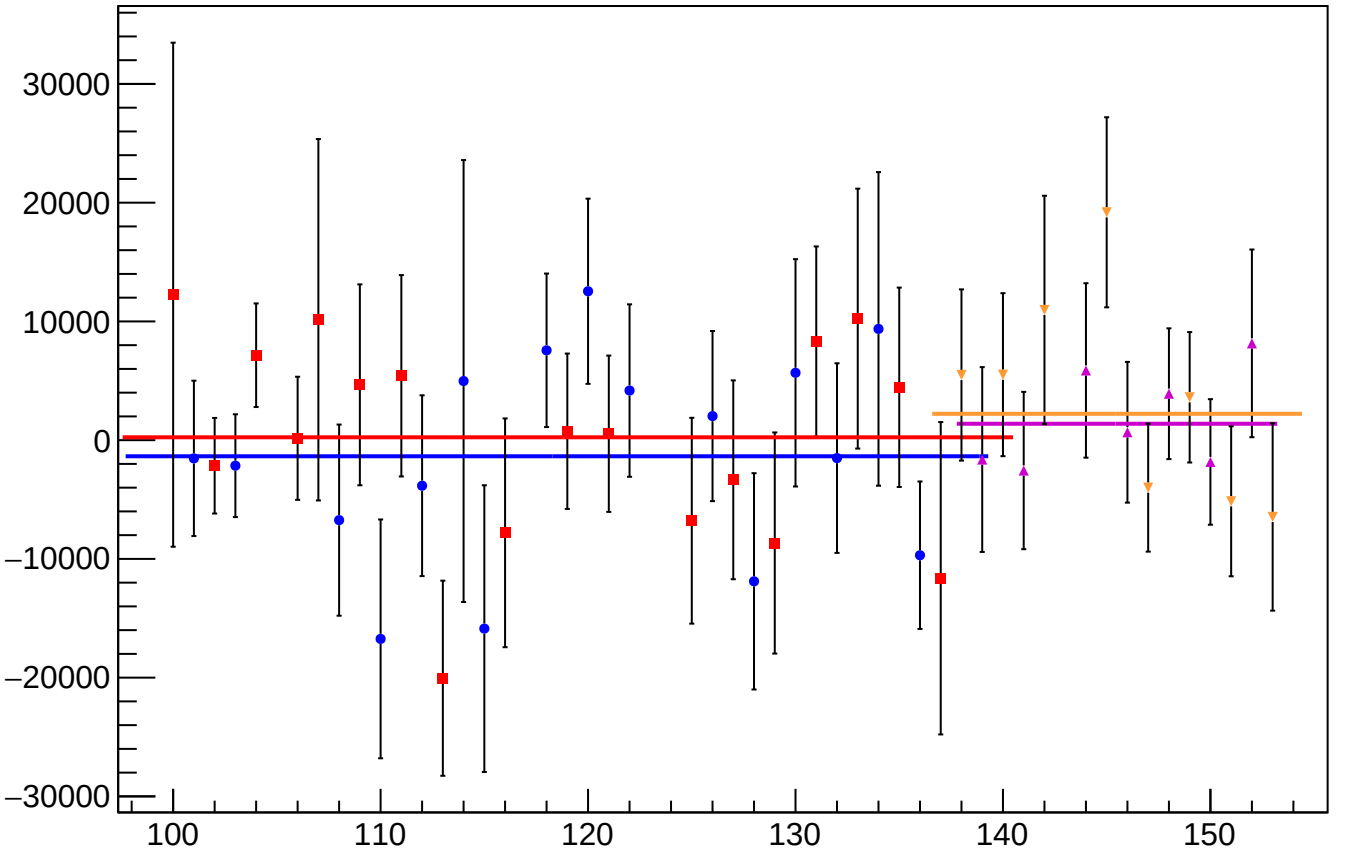
Left: 1885.879+/-0.380 χ^2/NDF: 24252.5/14

Right: 1901.958+/-0.358 χ^2/NDF: 428591.0/33

In: 1891.948+/-0.368 χ^2/NDF:289982.4/22

Out: 1896.840+/-0.369 χ^2/NDF:163722.1/25

All: 1894.389+/-0.261 χ^2/NDF: 453792.7/48



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: 2220.456+/-2386.409 χ^2/NDF:9.7/7

Right Out: 241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: 1381.706+/-2417.895 χ^2/NDF:2.2/6

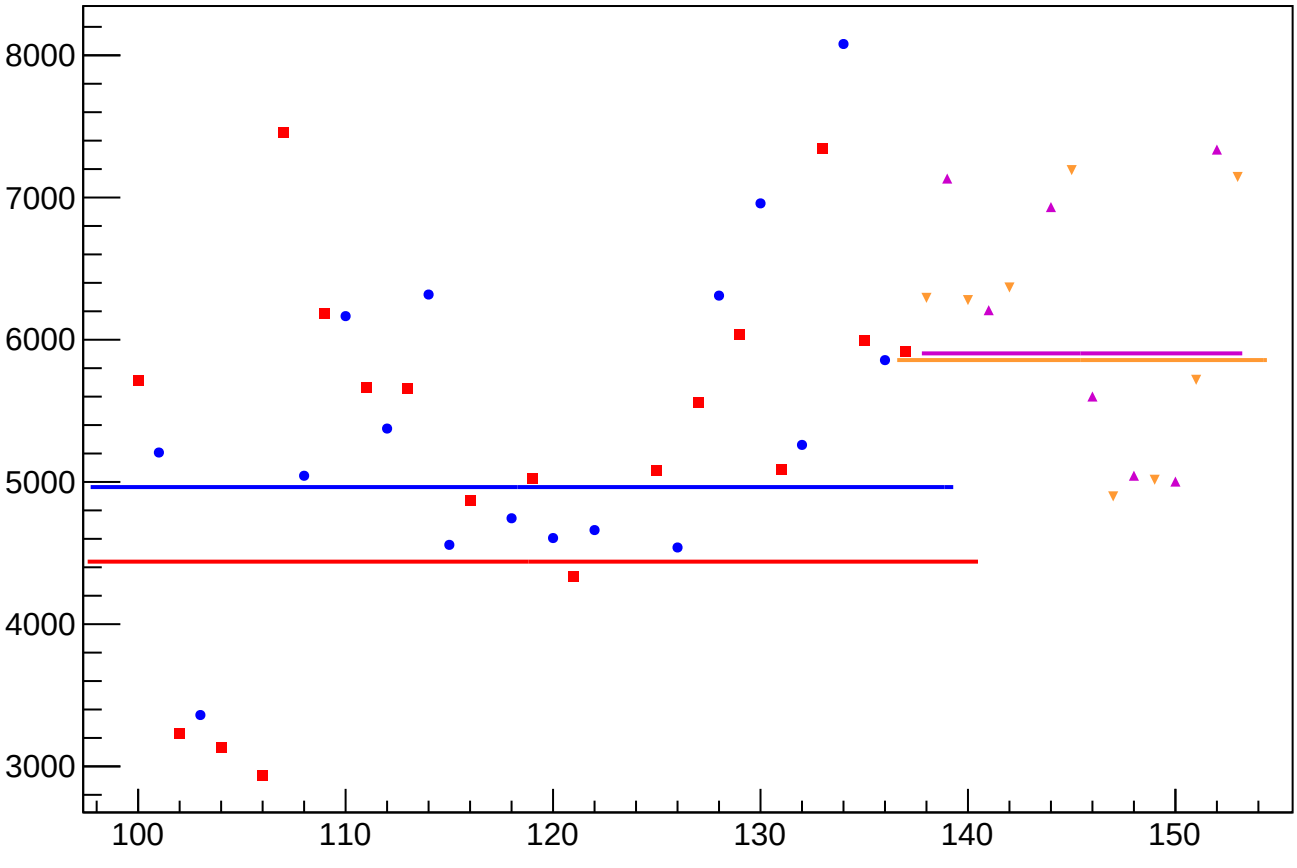
Left: 1806.578+/-1698.469 χ^2/NDF: 12.0/14

Right: -476.778+/-1270.927 χ^2/NDF: 30.8/33

In: -313.965+/-1491.986 χ^2/NDF:17.7/22

Out: 914.043+/-1391.428 χ^2/NDF:25.9/25

All: 342.813+/-1017.582 χ^2/NDF: 44.0/48



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 5857.050+/-1.687 χ^2/NDF:240630.3/7

Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 5904.069+/-1.710 χ^2/NDF:271242.0/6

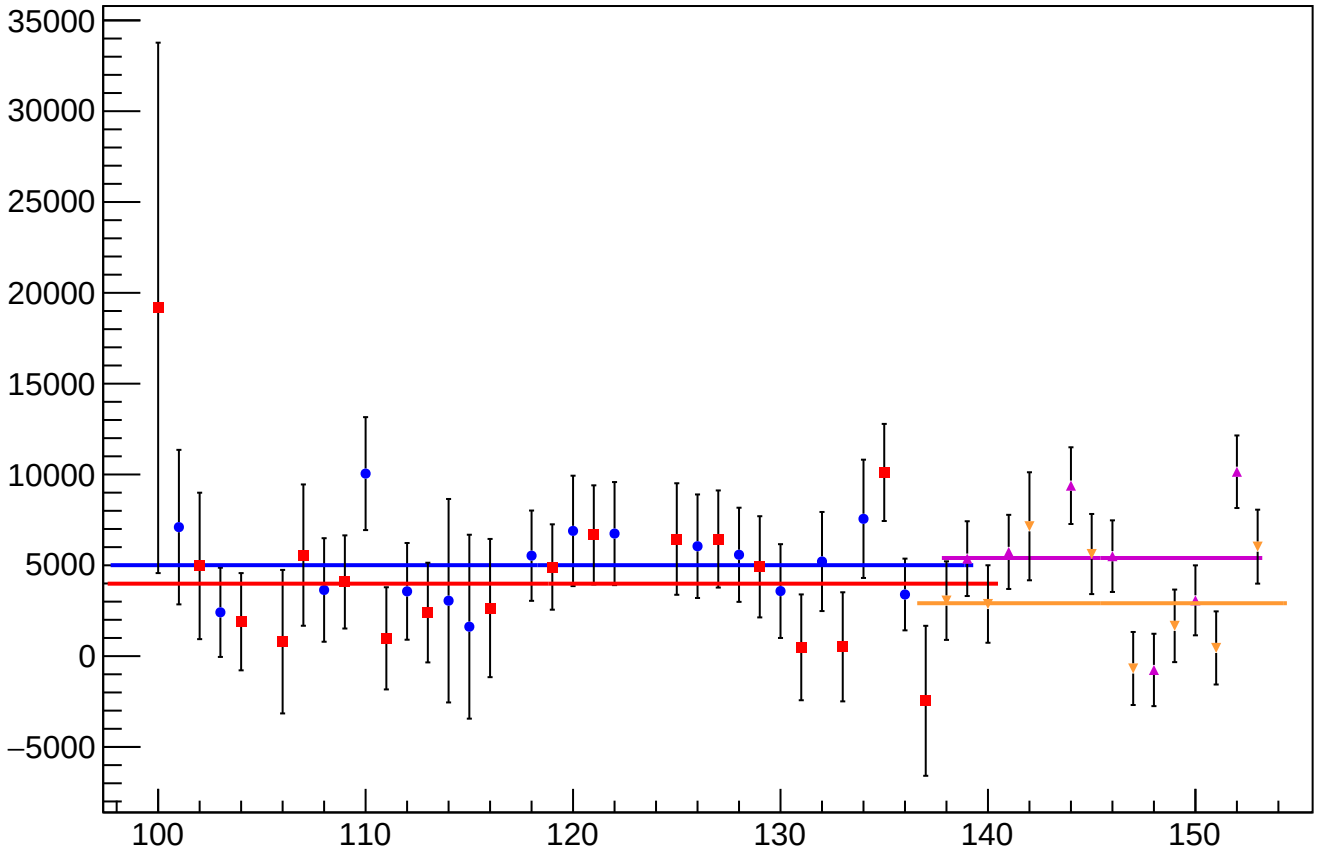
Left: 5880.251+/-1.201 χ^2/NDF: 512255.4/14

Right: 4675.271+/-0.899 χ^2/NDF: 1870112.9/33

In: 5321.942+/-1.055 χ^2/NDF:1085830.7/22

Out: 4921.530+/-0.984 χ^2/NDF:1864810.3/25

All: 5107.788+/-0.720 χ^2/NDF: 3027684.0/48



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 2912.943+/-758.436 χ^2/NDF:11.0/7

Right Out: 3989.192+/-719.024 χ^2/NDF: 17.4/17

Left In: 5402.641+/-760.327 χ^2/NDF:20.3/6

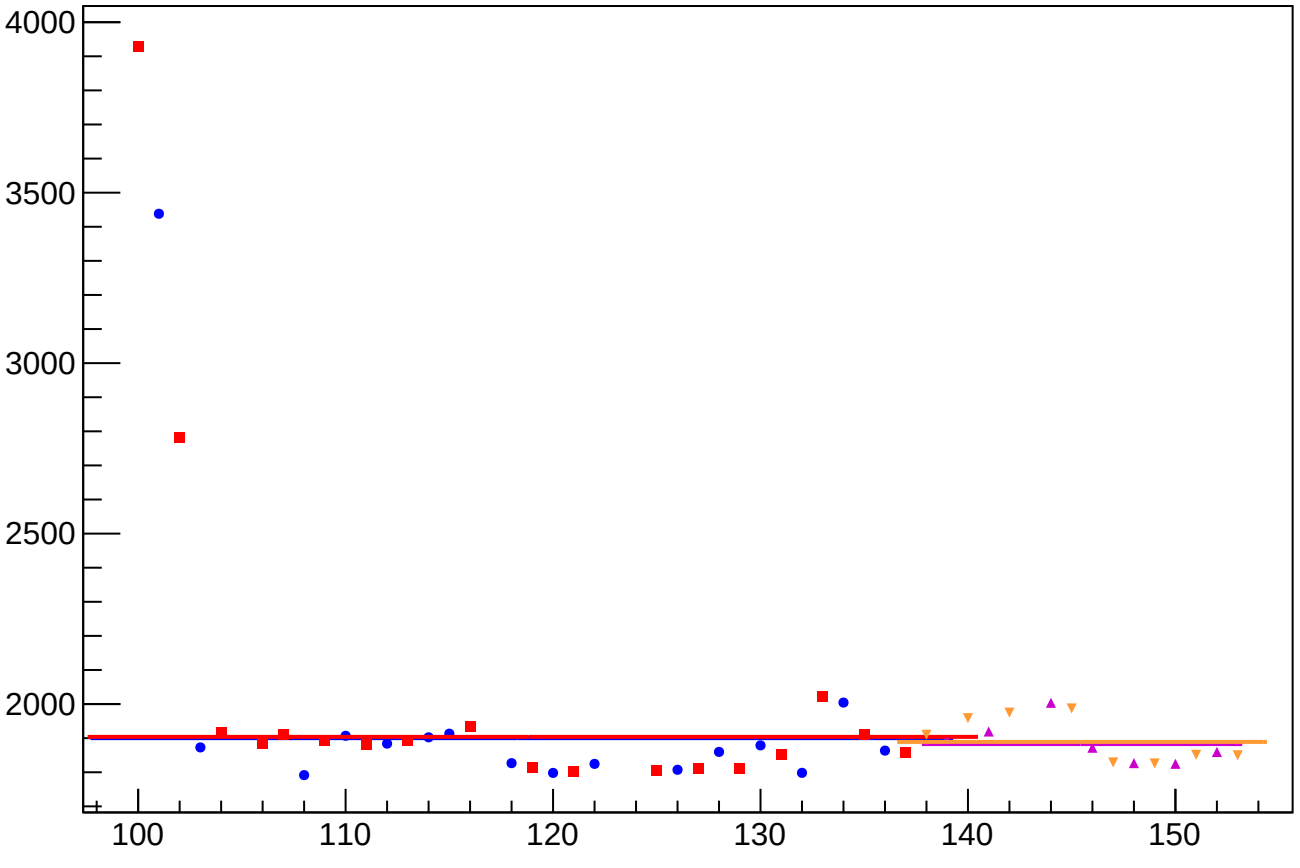
Left: 4154.693+/-536.963 χ^2/NDF: 36.6/14

Right: 4501.779+/-506.663 χ^2/NDF: 26.0/33

In: 5192.584+/-520.505 χ^2/NDF:28.1/22

Out: 3479.757+/-521.804 χ^2/NDF:29.4/25

All: 4338.304+/-368.511 χ^2/NDF: 62.9/48



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.5/15

Left Out: 1889.051+/-0.536 χ^2/NDF:13206.2/7

Right Out: 1903.826+/-0.508 χ^2/NDF: 150115.1/17

Left In: 1882.694+/-0.538 χ^2/NDF:10976.6/6

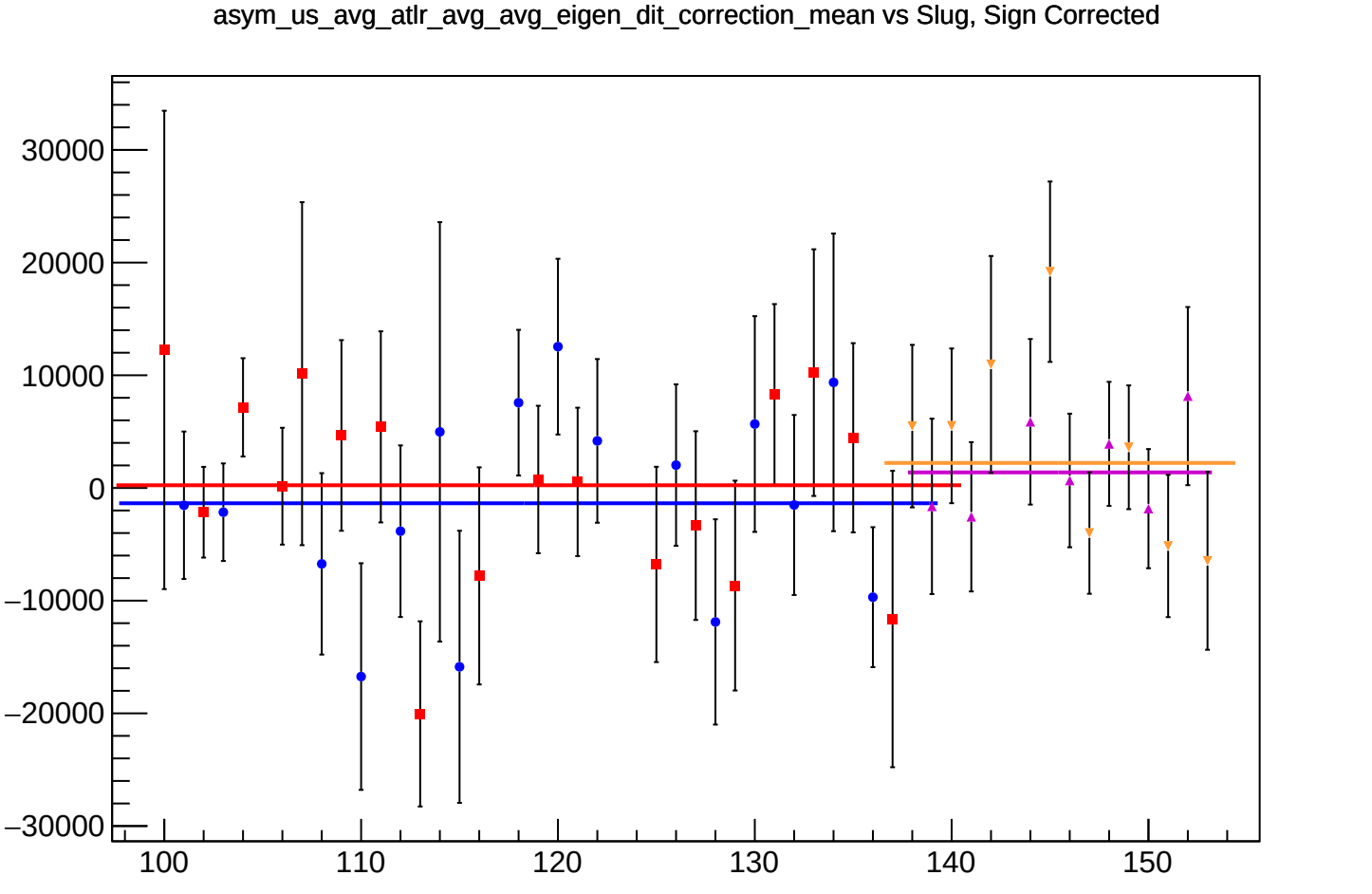
Left: 1885.880+/-0.380 χ^2/NDF: 24252.8/14

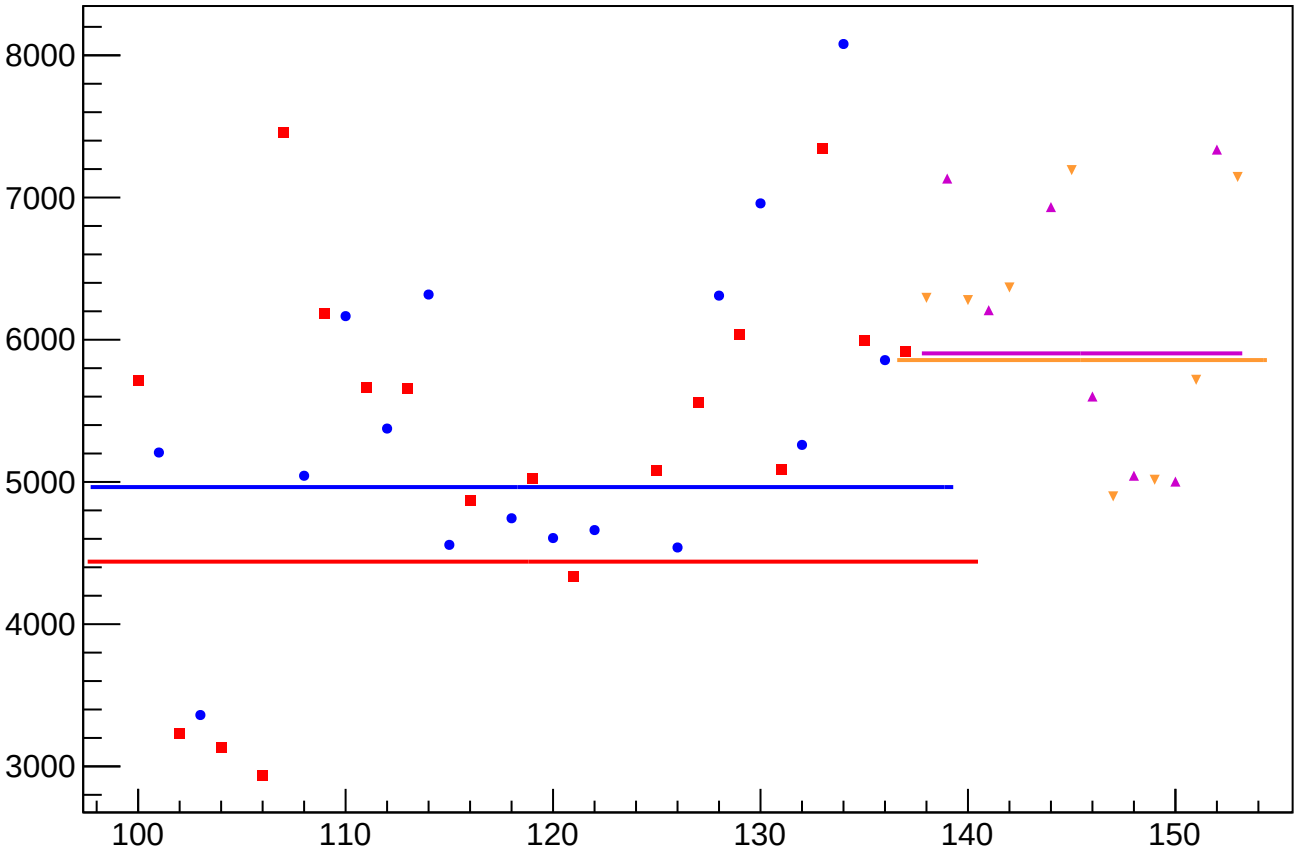
Right: 1901.958+/-0.358 χ^2/NDF: 428590.5/33

In: 1891.948+/-0.368 χ^2/NDF:289982.7/22

Out: 1896.840+/-0.369 χ^2/NDF:163721.5/25

All: 1894.390+/-0.261 χ^2/NDF: 453792.3/48


asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
Right In: -1356.604+/-1895.985 χ²/NDF: 14.7/15
Left Out: 2220.452+/-2386.413 χ²/NDF:9.7/7
Right Out: 241.155+/-1712.677 χ²/NDF: 15.7/17
Left In: 1381.706+/-2417.899 χ²/NDF:2.2/6
Left: 1806.576+/-1698.471 χ²/NDF: 12.0/14
Right: -476.773+/-1270.924 χ²/NDF: 30.8/33
In: -313.963+/-1491.984 χ²/NDF:17.7/22
Out: 914.039+/-1391.426 χ²/NDF:25.9/25
All: 342.812+/-1017.581 χ²/NDF: 44.0/48



Right In: 4963.985+/-1.341 χ^2/NDF: 627379.5/15

Left Out: 5857.058+/-1.687 χ^2/NDF:240631.7/7

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

Left In: 5904.077+/-1.710 χ^2/NDF:271242.7/6

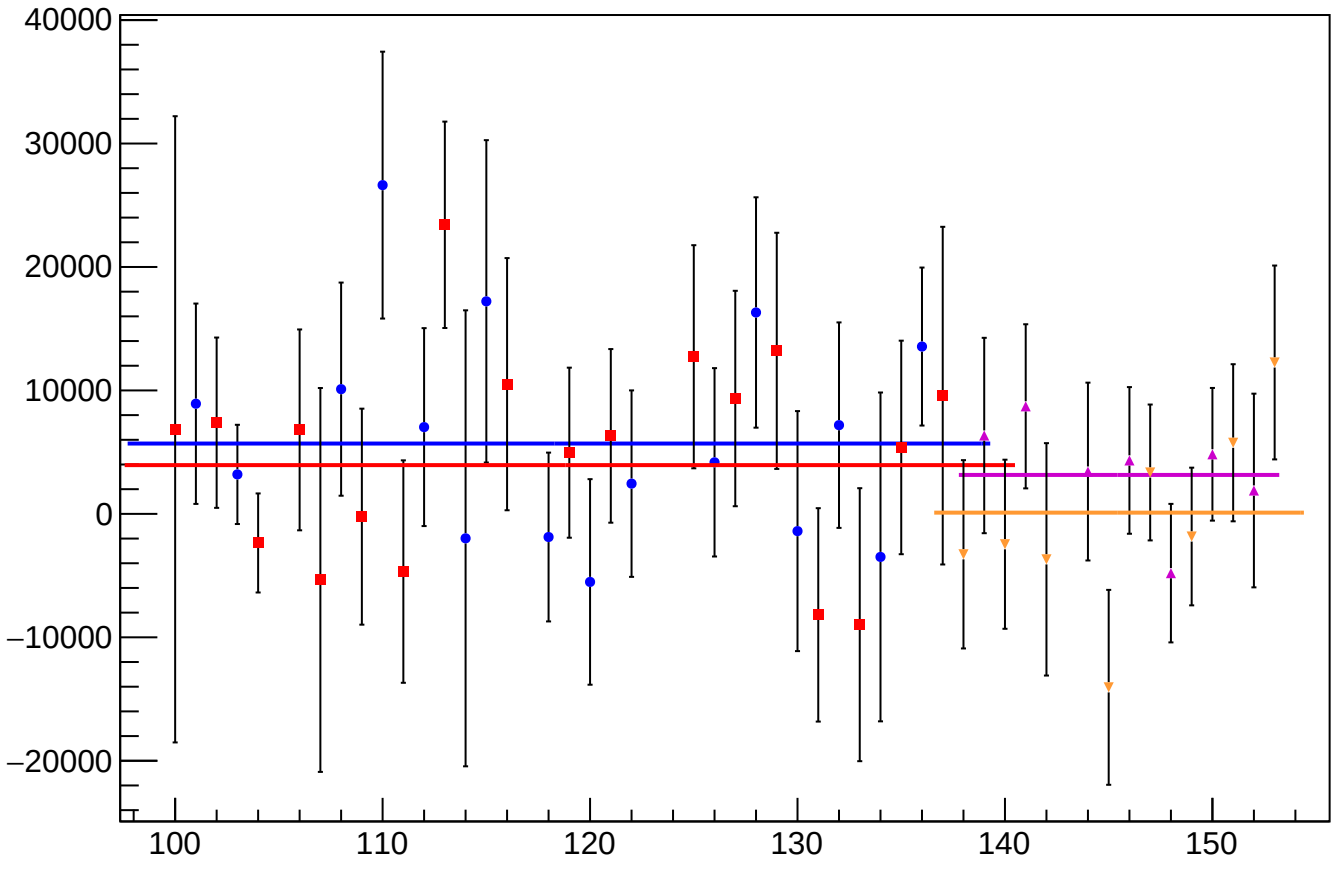
Left: 5880.259+/-1.201 χ^2/NDF: 512257.4/14

Right: 4675.259+/-0.899 χ^2/NDF: 1870114.9/33

In: 5321.935+/-1.055 χ^2/NDF:1085842.3/22

Out: 4921.522+/-0.984 χ^2/NDF:1864823.9/25

All: 5107.781+/-0.720 χ^2/NDF: 3027709.5/48



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: 99.951+/-2411.706 χ^2/NDF:7.4/7

Right Out: 3949.394+/-1920.582 χ^2/NDF: 16.1/17

Left In: 3154.460+/-2433.550 χ^2/NDF:3.0/6

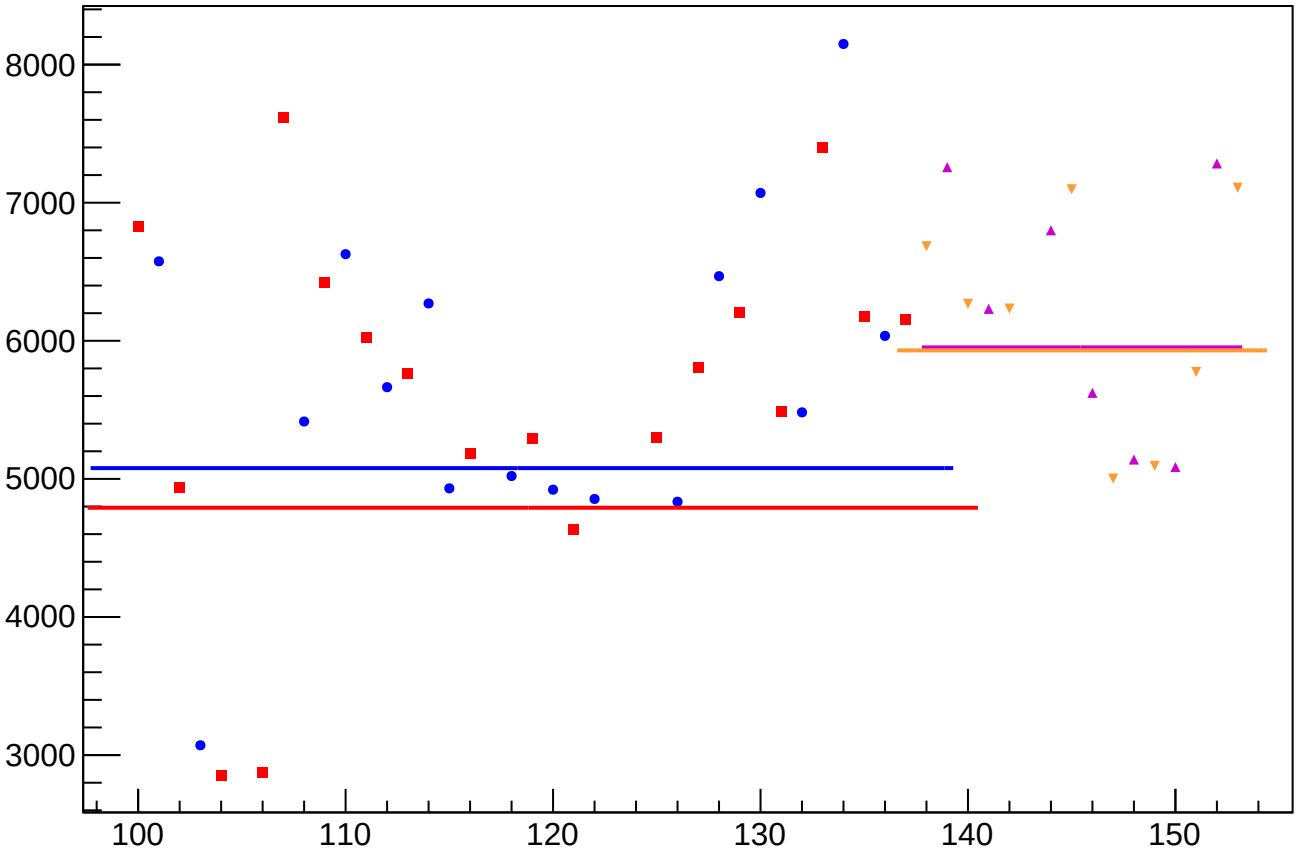
Left: 1613.435+/-1713.005 χ^2/NDF: 11.2/14

Right: 4805.905+/-1371.511 χ^2/NDF: 29.2/33

In: 4697.245+/-1526.097 χ^2/NDF:16.3/22

Out: 2455.522+/-1502.388 χ^2/NDF:25.1/25

All: 3558.835+/-1070.633 χ^2/NDF: 42.5/48



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 5930.649+/-1.705 χ^2/NDF:218230.5/7

Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 5952.476+/-1.721 χ^2/NDF:243338.4/6

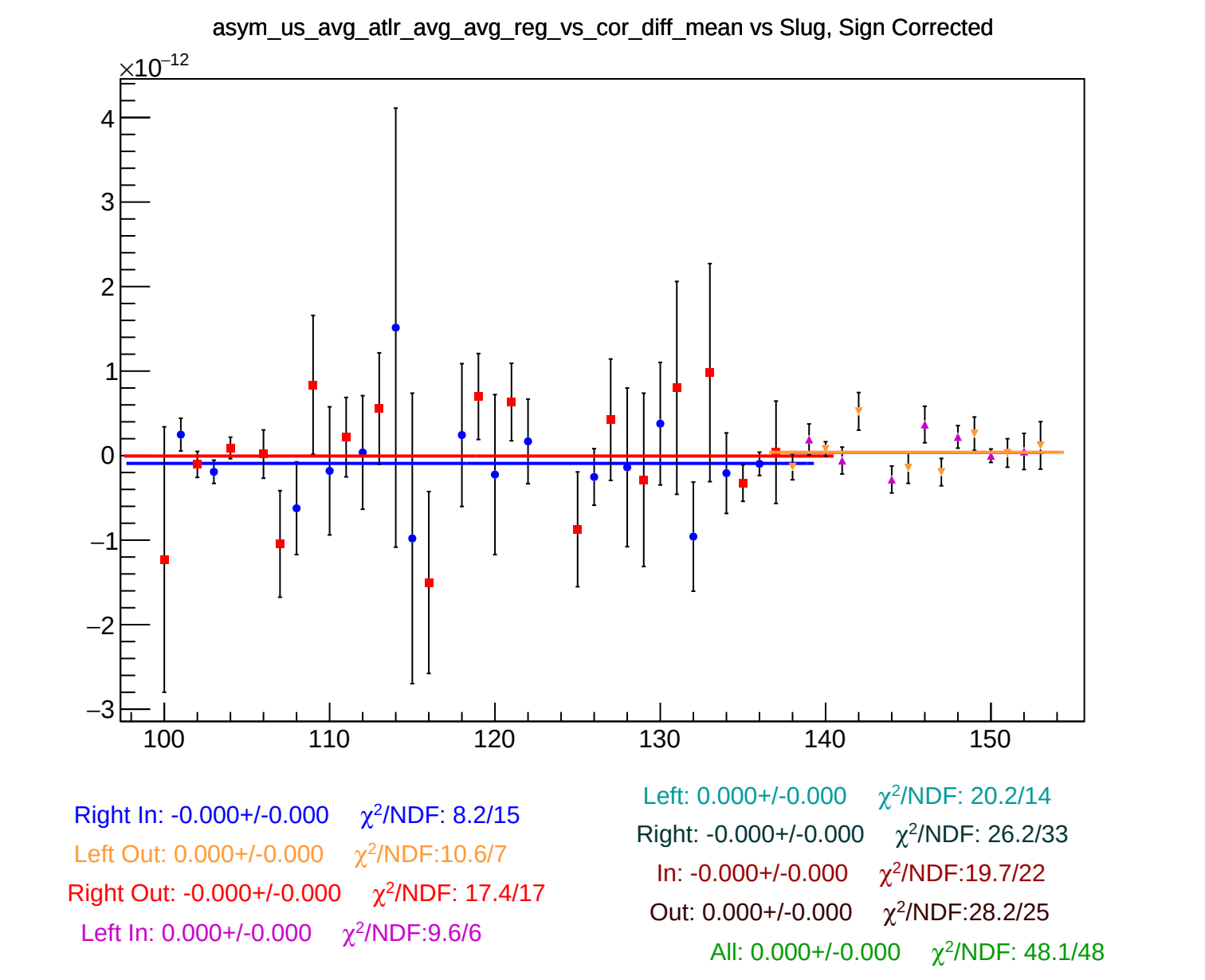
Left: 5941.464+/-1.211 χ^2/NDF: 461650.1/14

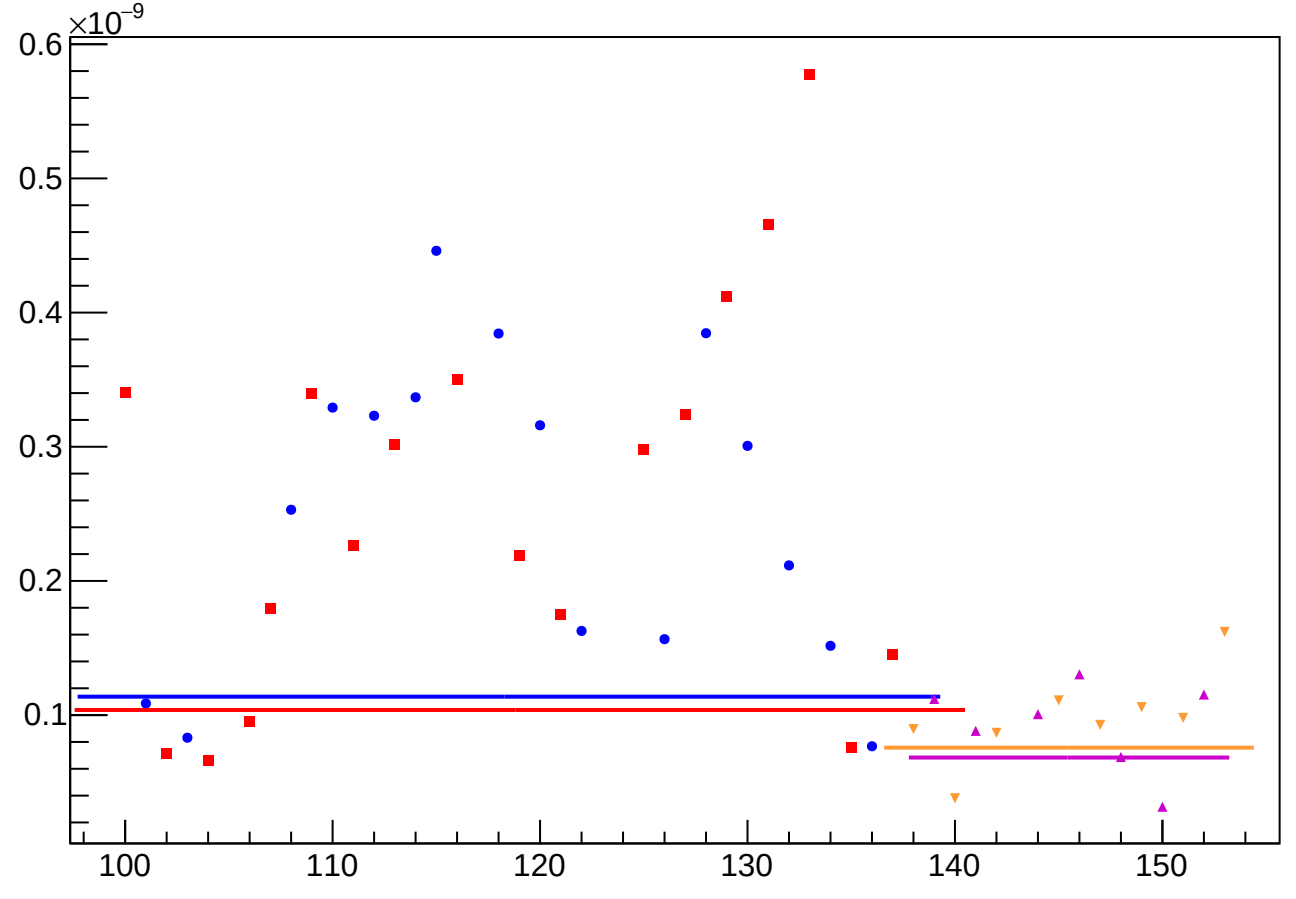
Right: 4928.883+/-0.960 χ^2/NDF: 2103987.6/33

In: 5421.987+/-1.079 χ^2/NDF:1319185.1/22

Out: 5222.403+/-1.049 χ^2/NDF:1658195.0/25

All: 5319.382+/-0.752 χ^2/NDF: 2994966.3/48


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
Right In: -0.000+/-0.000 χ²/NDF: 8.2/15
Left Out: 0.000+/-0.000 χ²/NDF:10.6/7
Right Out: -0.000+/-0.000 χ²/NDF: 17.4/17
Left In: 0.000+/-0.000 χ²/NDF:9.6/6
Left: 0.000+/-0.000 χ²/NDF: 20.2/14
Right: -0.000+/-0.000 χ²/NDF: 26.2/33
In: -0.000+/-0.000 χ²/NDF:19.7/22
Out: 0.000+/-0.000 χ²/NDF:28.2/25
All: 0.000+/-0.000 χ²/NDF: 48.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:772212.7/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:910409.4/6

Left: 0.000+/-0.000 χ^2/NDF: 1701747.0/14

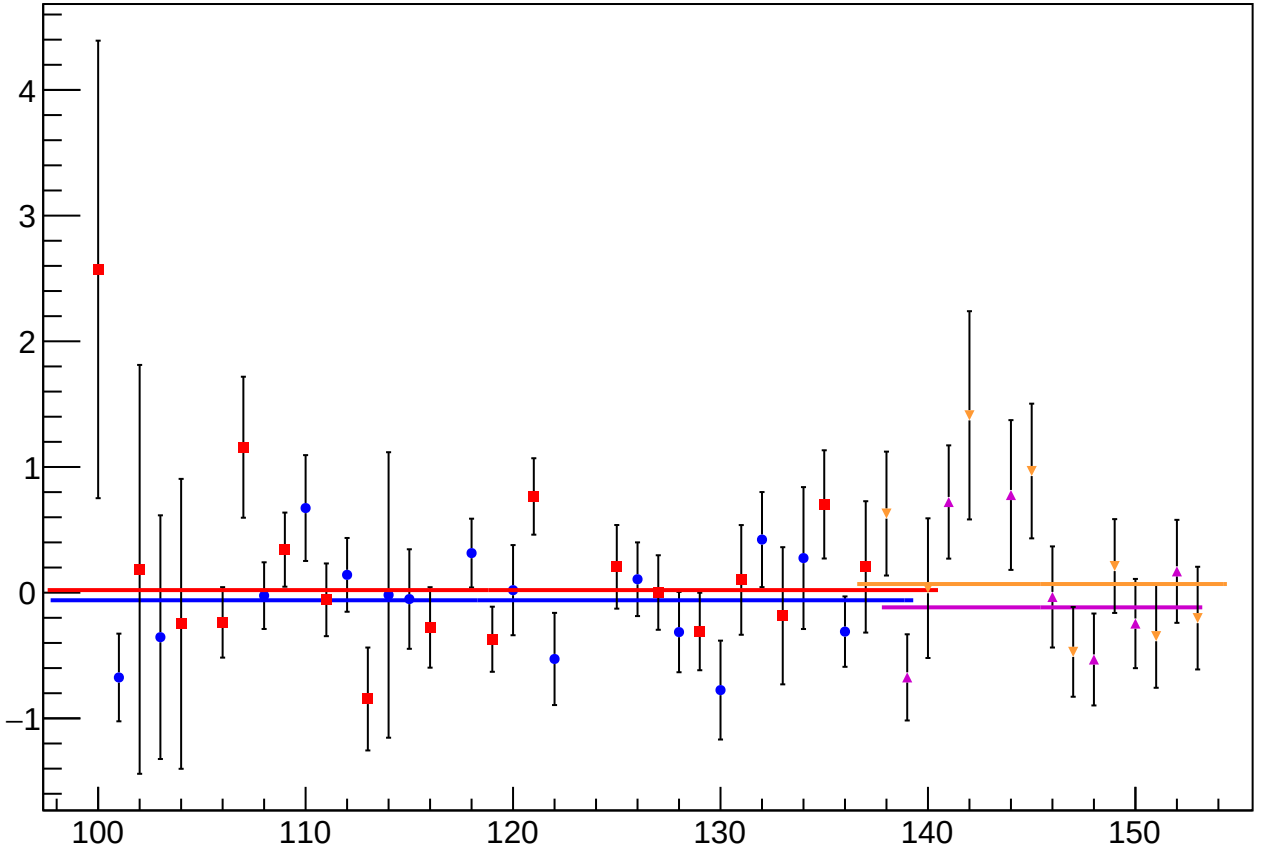
Right: 0.000+/-0.000 χ^2/NDF: 3628704.5/33

In: 0.000+/-0.000 χ^2/NDF:2903337.3/22

Out: 0.000+/-0.000 χ^2/NDF:3036909.2/25

All: 0.000+/-0.000 χ^2/NDF: 5943617.5/48

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: 0.069+/-0.160 χ^2/NDF:10.6/7

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.117+/-0.151 χ^2/NDF:10.3/6

Left: -0.029+/-0.110 χ^2/NDF: 21.6/14

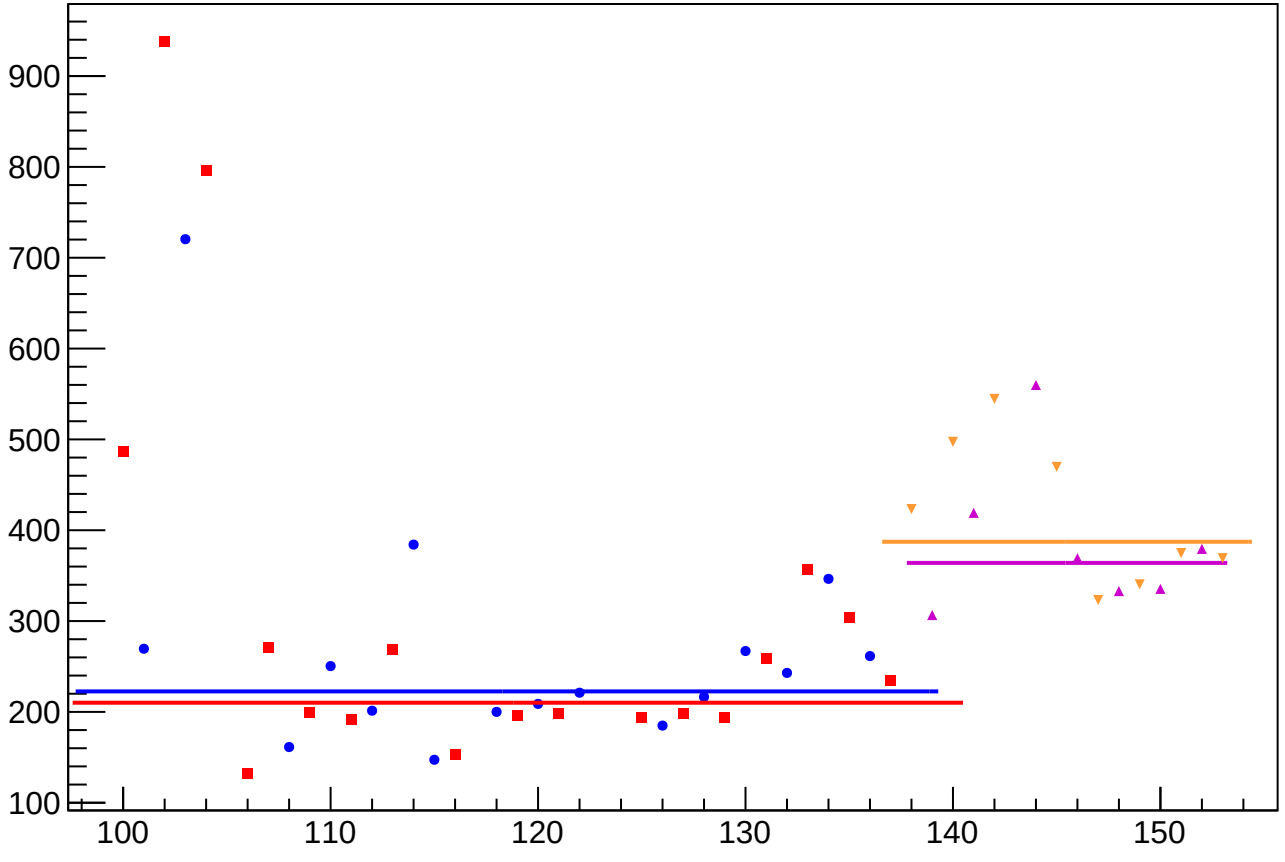
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.075+/-0.076 χ^2/NDF:27.7/22

Out: 0.032+/-0.077 χ^2/NDF:36.8/25

All: -0.022+/-0.054 χ^2/NDF: 65.5/48

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 387.300+/-0.113 χ^2/NDF:310289.7/7

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 364.046+/-0.107 χ^2/NDF:332654.7/6

Left: 375.034+/-0.078 χ^2/NDF: 665325.3/14

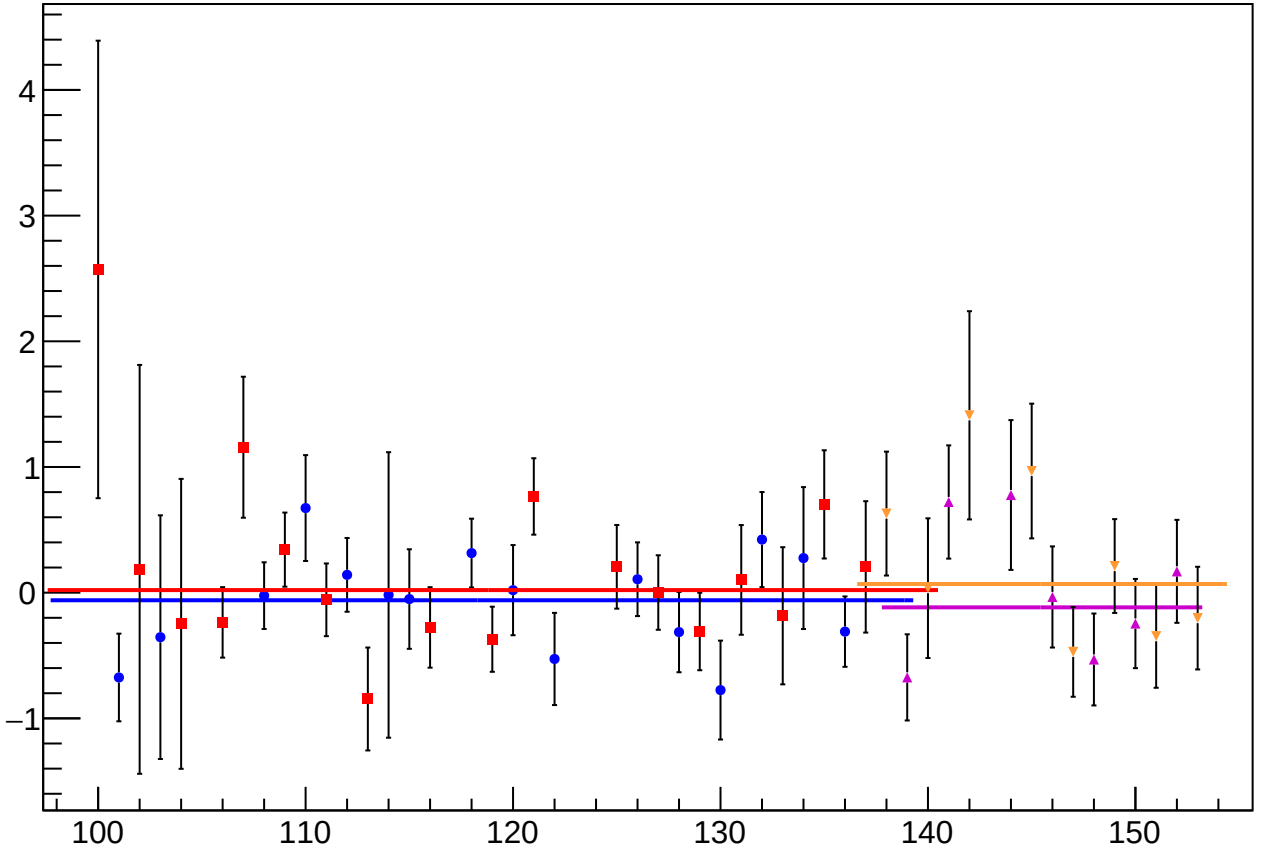
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 258.800+/-0.054 χ^2/NDF:2655693.2/22

Out: 250.999+/-0.054 χ^2/NDF:3753756.5/25

All: 254.911+/-0.038 χ^2/NDF: 6419826.8/48

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: 0.069+/-0.160 χ^2/NDF:10.6/7

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.117+/-0.151 χ^2/NDF:10.3/6

Left: -0.029+/-0.110 χ^2/NDF: 21.6/14

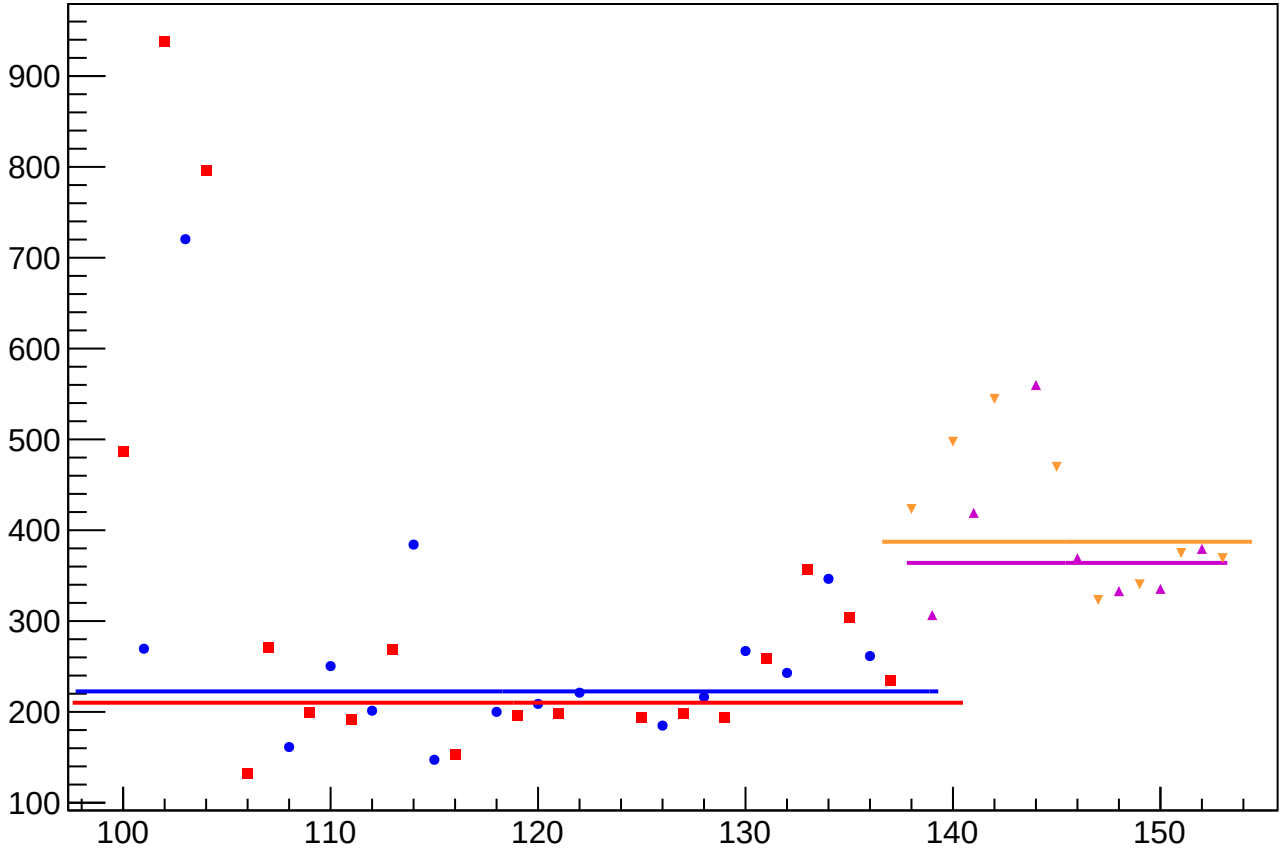
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.075+/-0.076 χ^2/NDF:27.7/22

Out: 0.032+/-0.077 χ^2/NDF:36.8/25

All: -0.022+/-0.054 χ^2/NDF: 65.5/48

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: 387.300+/-0.113 χ^2/NDF:310289.7/7

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 364.046+/-0.107 χ^2/NDF:332654.7/6

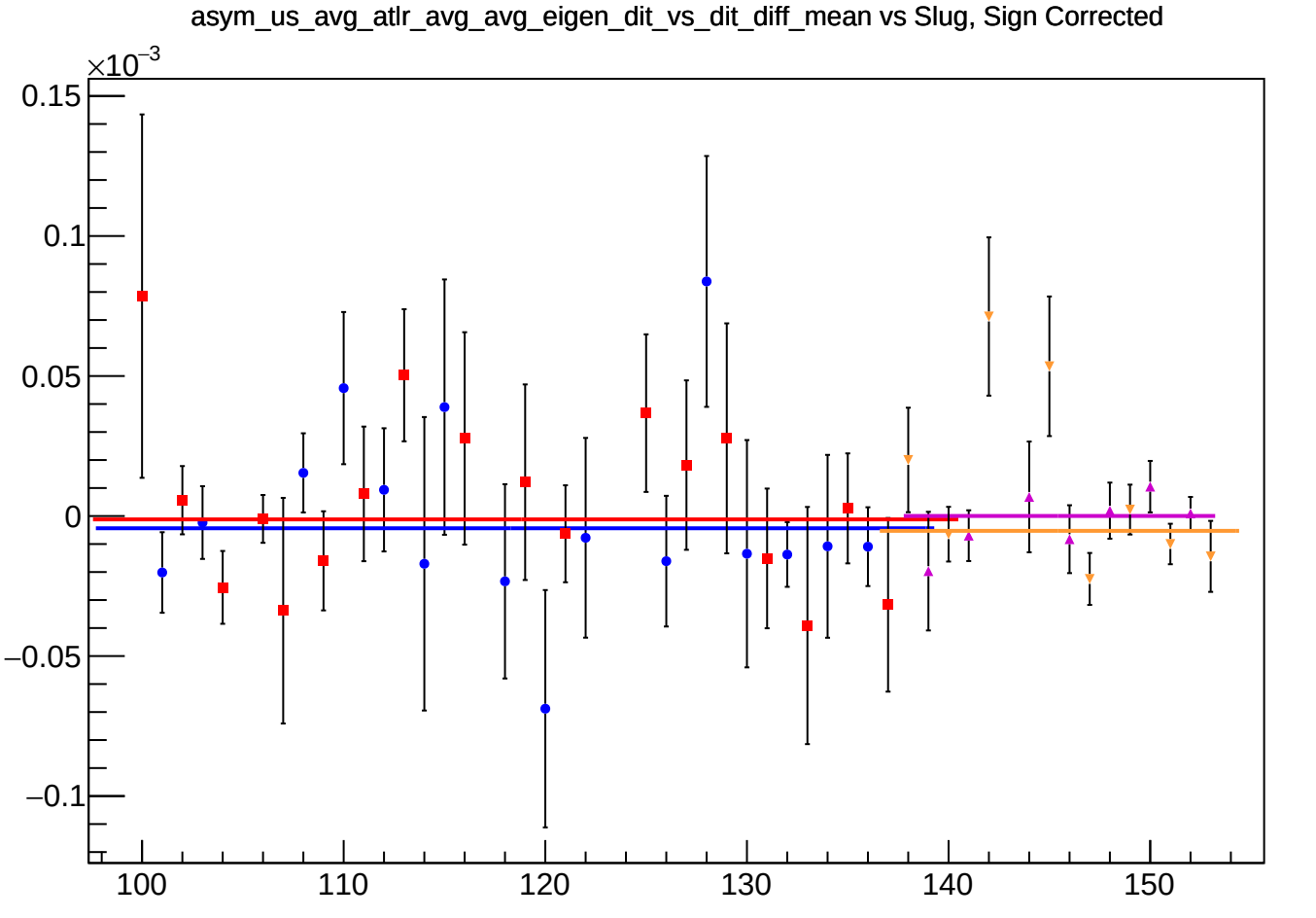
Left: 375.034+/-0.078 χ^2/NDF: 665325.3/14

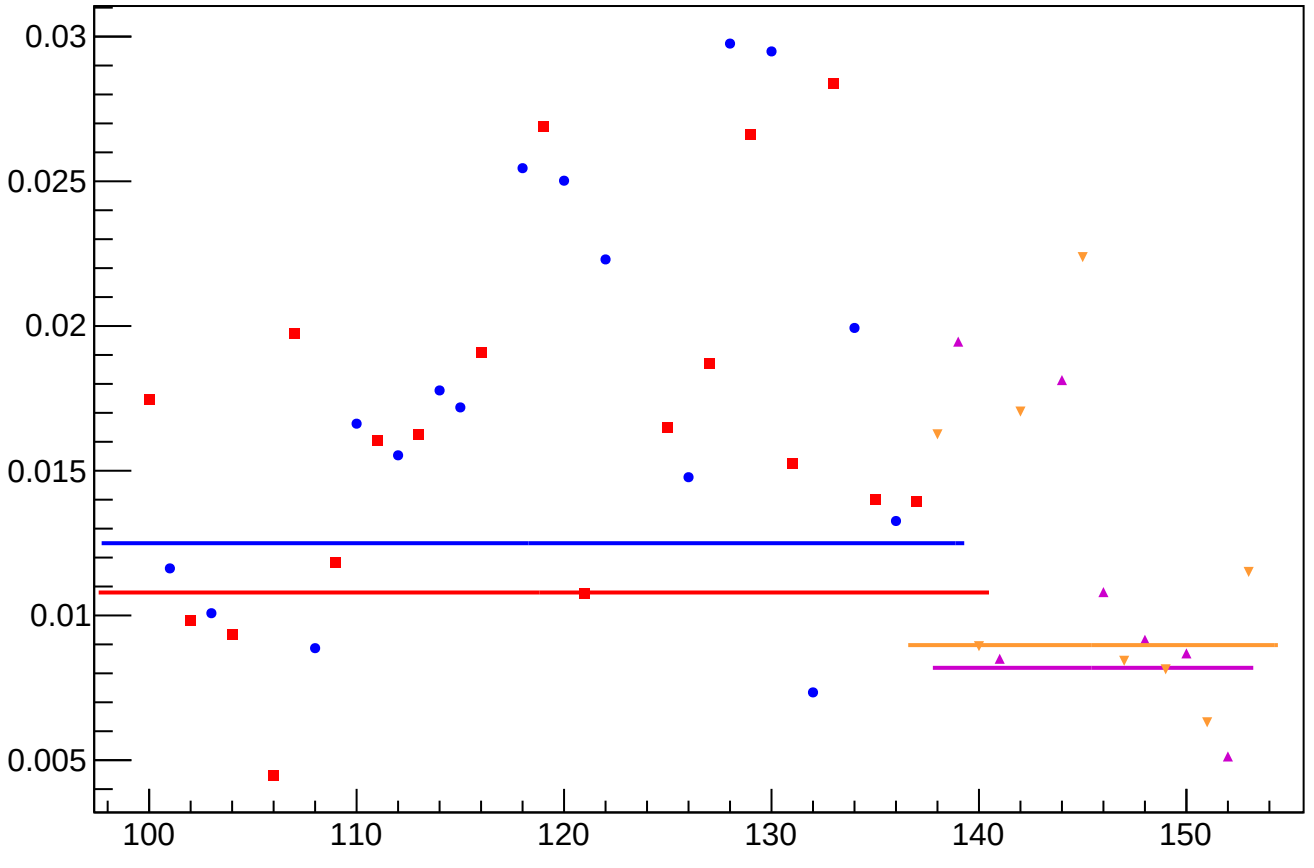
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 258.800+/-0.054 χ^2/NDF:2655693.2/22

Out: 250.999+/-0.054 χ^2/NDF:3753756.5/25

All: 254.911+/-0.038 χ^2/NDF: 6419826.8/48


asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 15.6/15
Left Out: -0.000+/-0.000 χ²/NDF:19.8/7
Right Out: -0.000+/-0.000 χ²/NDF: 17.2/17
Left In: 0.000+/-0.000 χ²/NDF:3.4/6
Left: -0.000+/-0.000 χ²/NDF: 24.2/14
Right: -0.000+/-0.000 χ²/NDF: 33.1/33
In: -0.000+/-0.000 χ²/NDF:19.6/22
Out: -0.000+/-0.000 χ²/NDF:37.5/25
All: -0.000+/-0.000 χ²/NDF: 57.3/48



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:1422337.7/7

Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

Left In: 0.008+/-0.000 χ^2/NDF:1729670.0/6

Left: 0.009+/-0.000 χ^2/NDF: 3195018.4/14

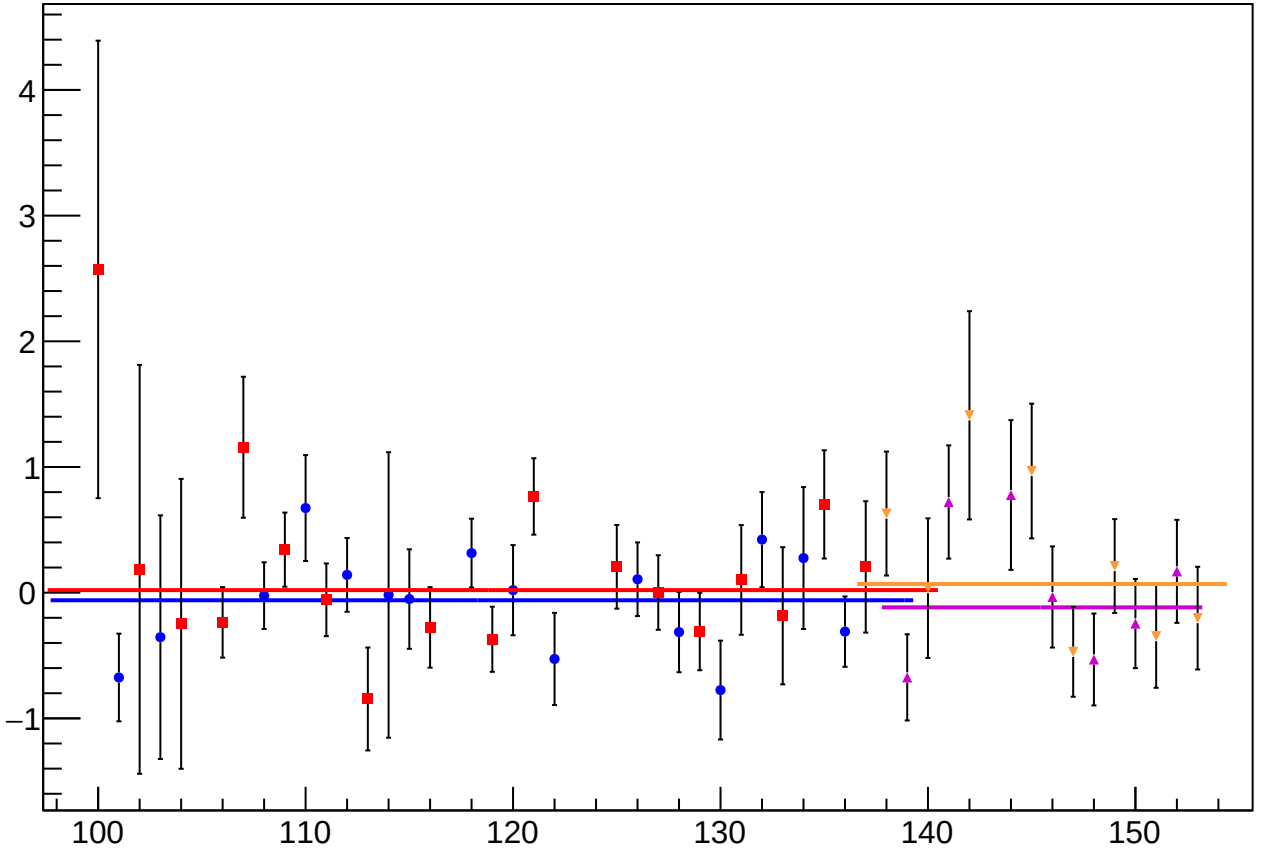
Right: 0.012+/-0.000 χ^2/NDF: 5226474.2/33

In: 0.010+/-0.000 χ^2/NDF:4787484.4/22

Out: 0.010+/-0.000 χ^2/NDF:4592547.3/25

All: 0.010+/-0.000 χ^2/NDF: 9380641.2/48

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: 0.069+/-0.160 χ^2/NDF:10.6/7

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.117+/-0.151 χ^2/NDF:10.3/6

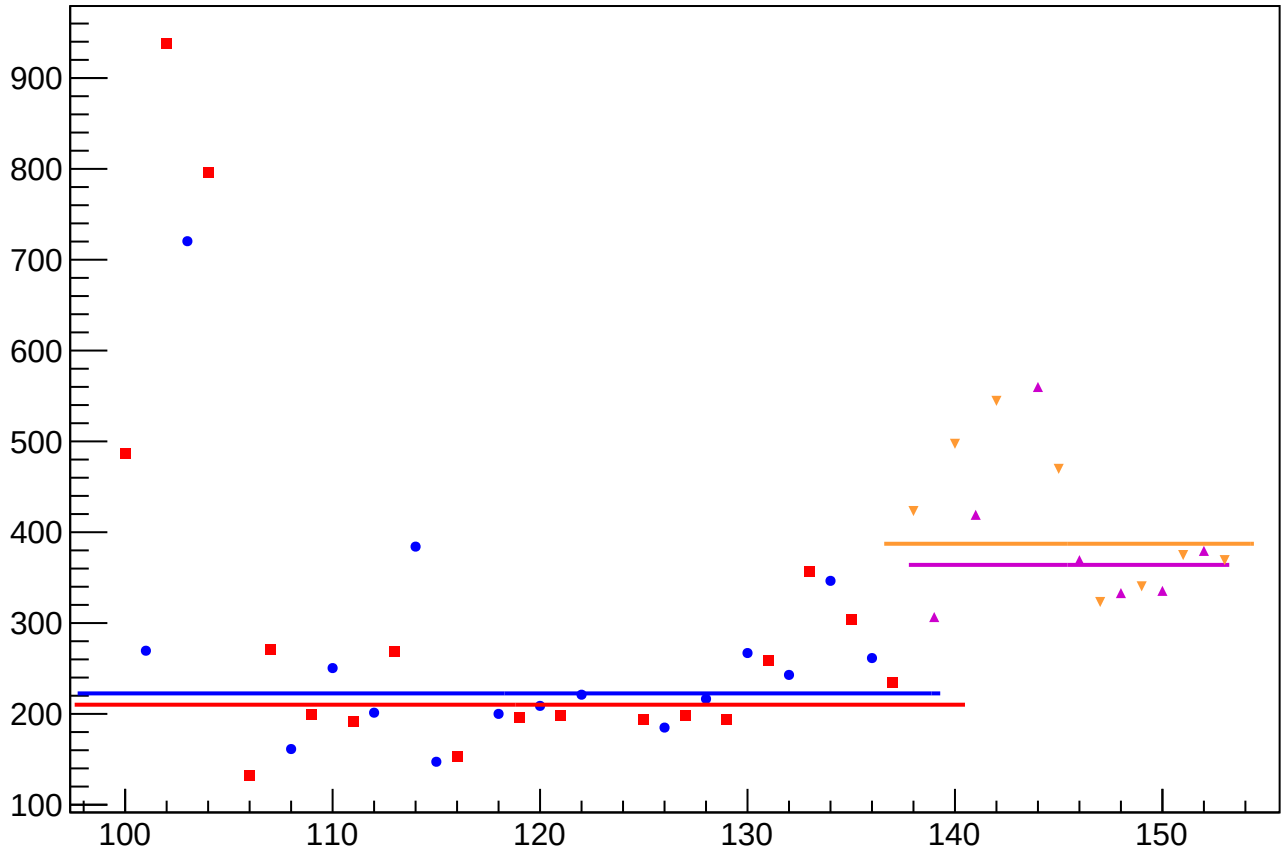
Left: -0.029+/-0.110 χ^2/NDF: 21.6/14

Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.075+/-0.076 χ^2/NDF:27.7/22

Out: 0.032+/-0.077 χ^2/NDF:36.8/25

All: -0.022+/-0.054 χ^2/NDF: 65.5/48



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 387.305+/-0.113 χ^2/NDF:310289.0/7

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 364.052+/-0.107 χ^2/NDF:332645.6/6

Left: 375.039+/-0.078 χ^2/NDF: 665313.6/14

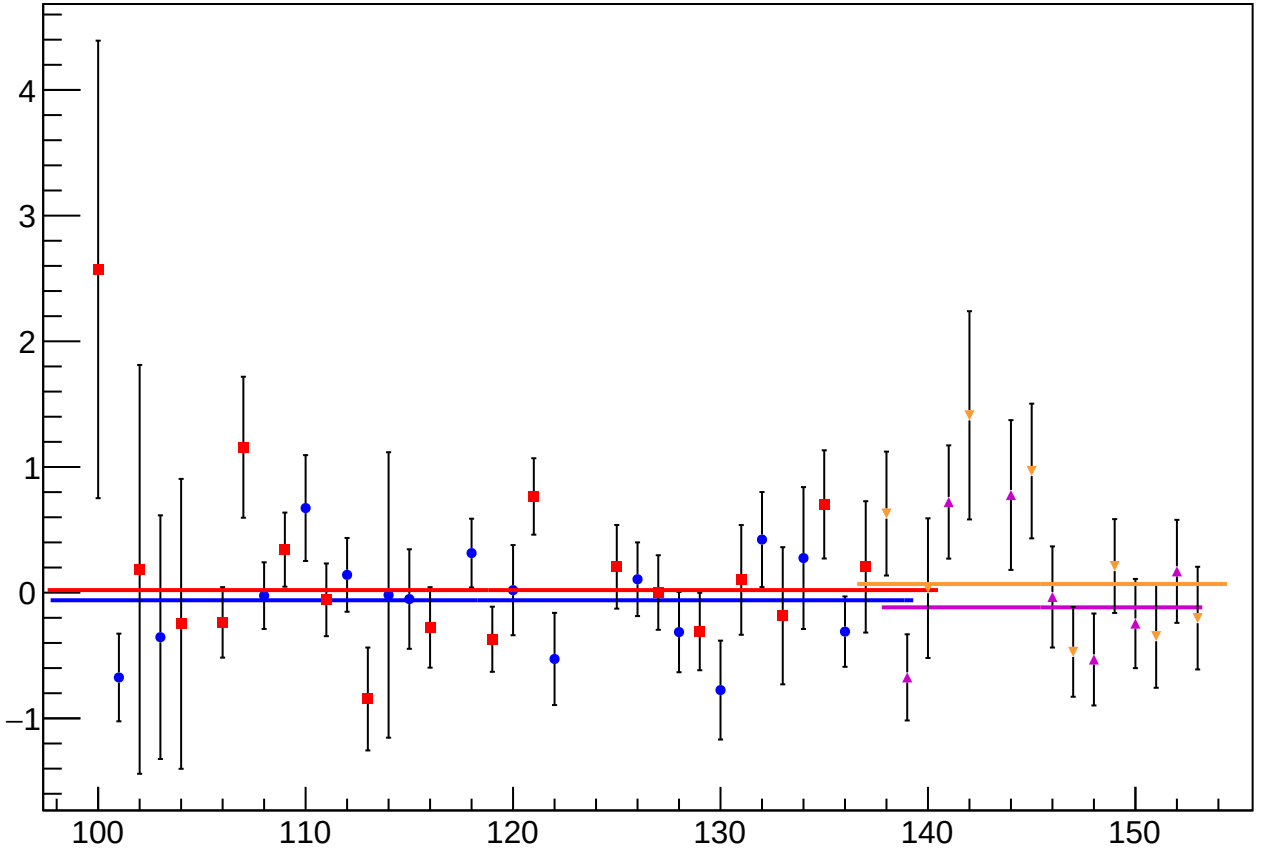
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 258.799+/-0.054 χ^2/NDF:2655775.0/22

Out: 250.997+/-0.054 χ^2/NDF:3753865.3/25

All: 254.909+/-0.038 χ^2/NDF: 6420020.9/48

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: 0.069+/-0.160 χ^2/NDF:10.6/7

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.117+/-0.151 χ^2/NDF:10.3/6

Left: -0.029+/-0.110 χ^2/NDF: 21.6/14

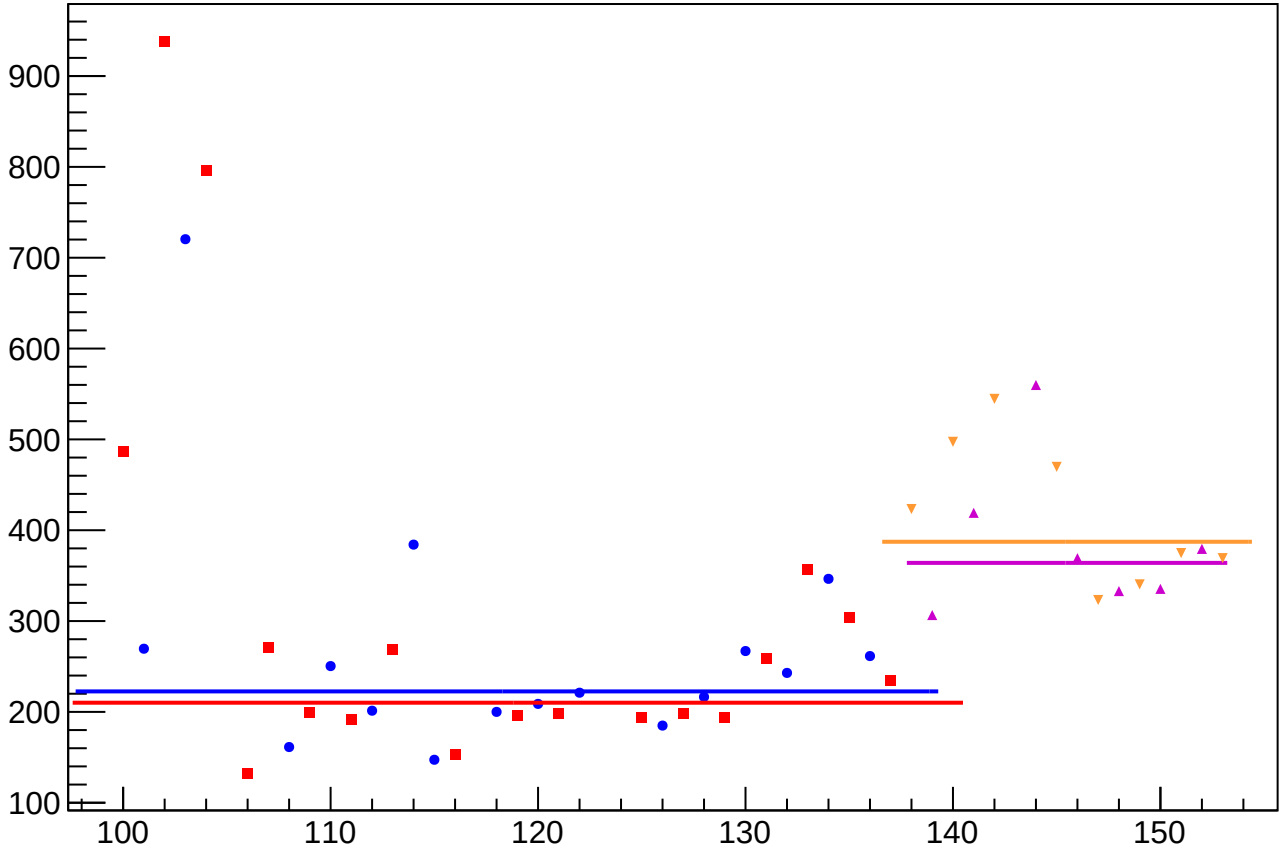
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.075+/-0.076 χ^2/NDF:27.7/22

Out: 0.032+/-0.077 χ^2/NDF:36.8/25

All: -0.022+/-0.054 χ^2/NDF: 65.5/48

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: 387.305+/-0.113 χ^2/NDF:310289.0/7

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 364.052+/-0.107 χ^2/NDF:332645.6/6

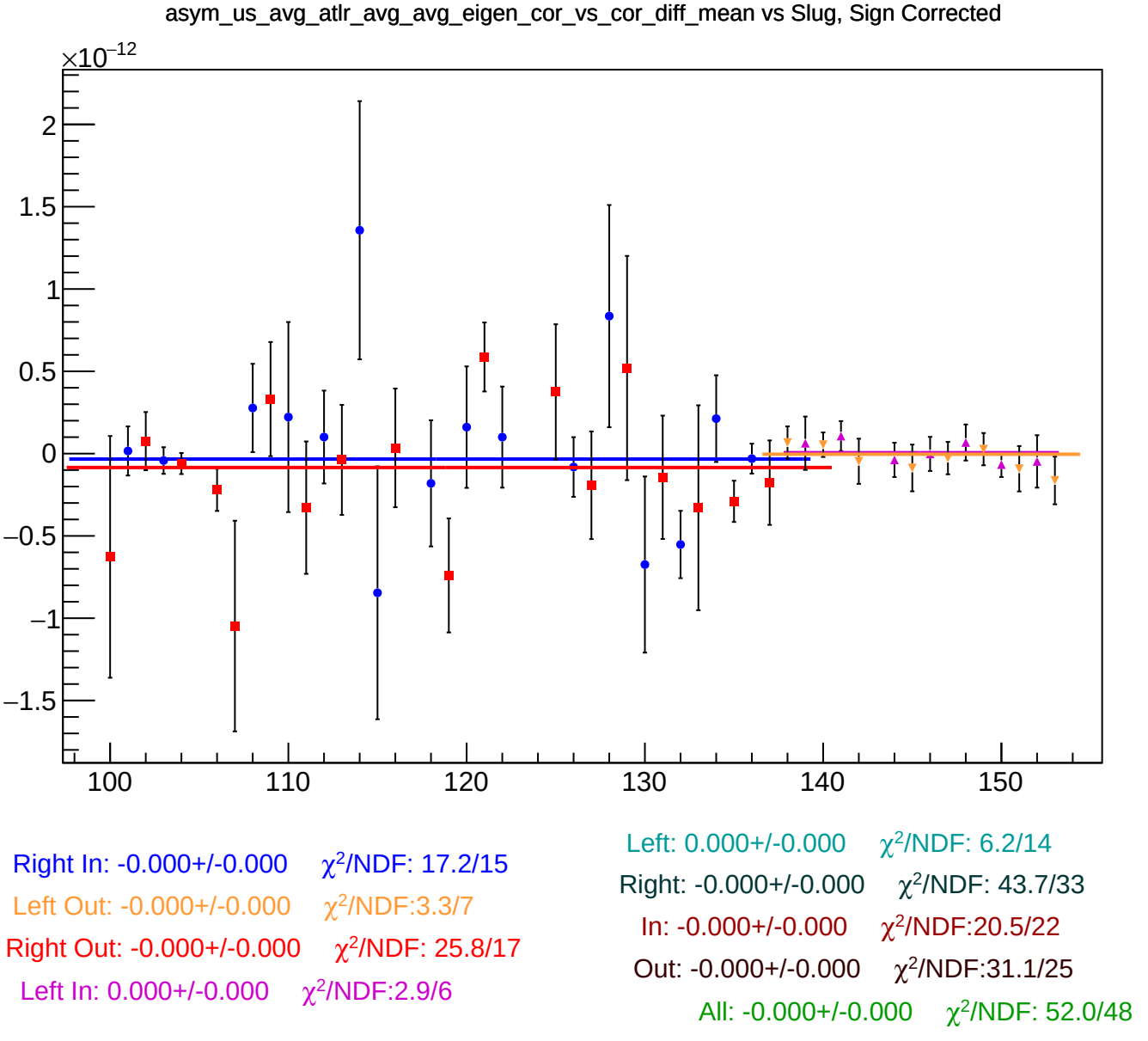
Left: 375.039+/-0.078 χ^2/NDF: 665313.6/14

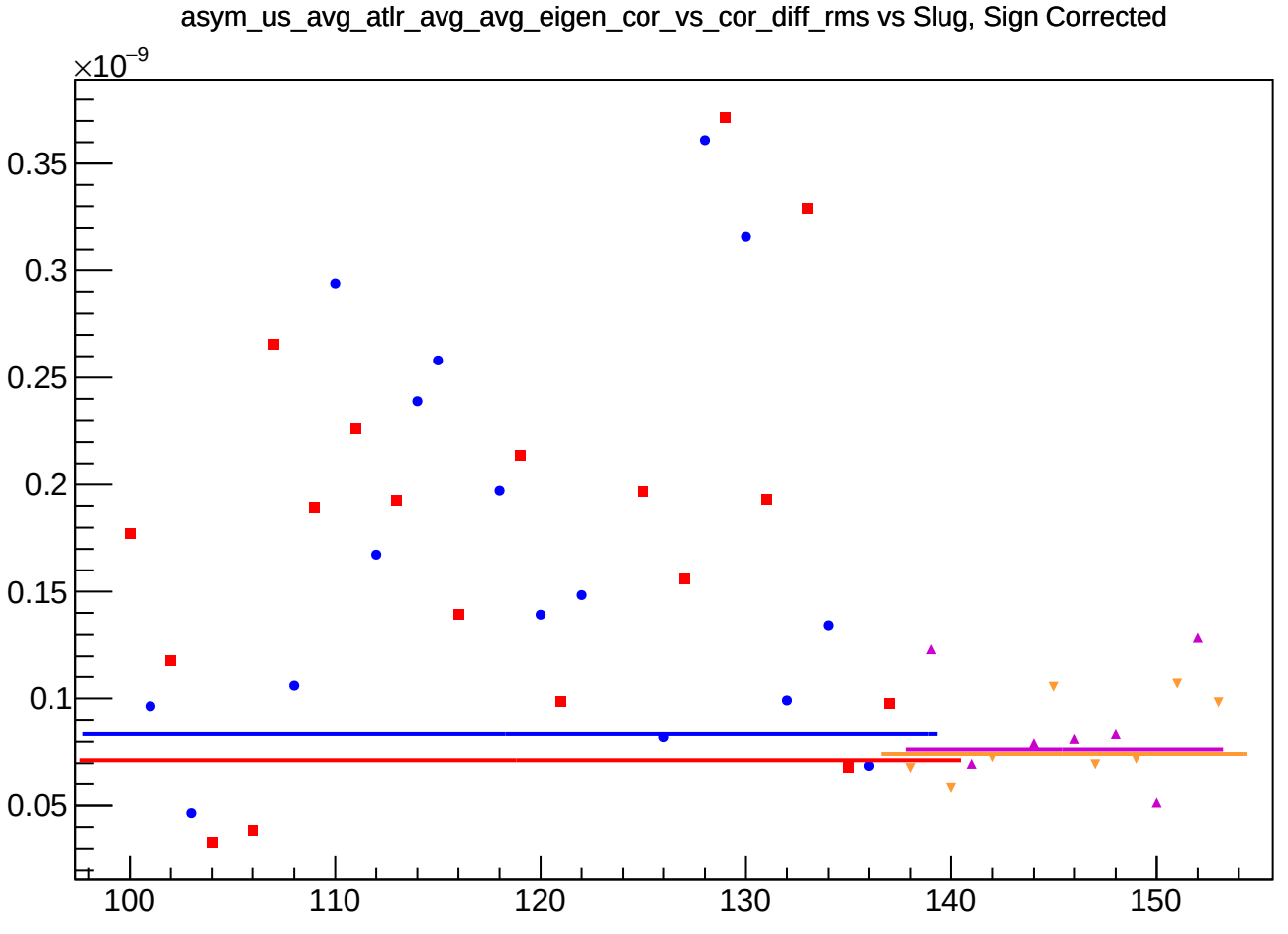
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

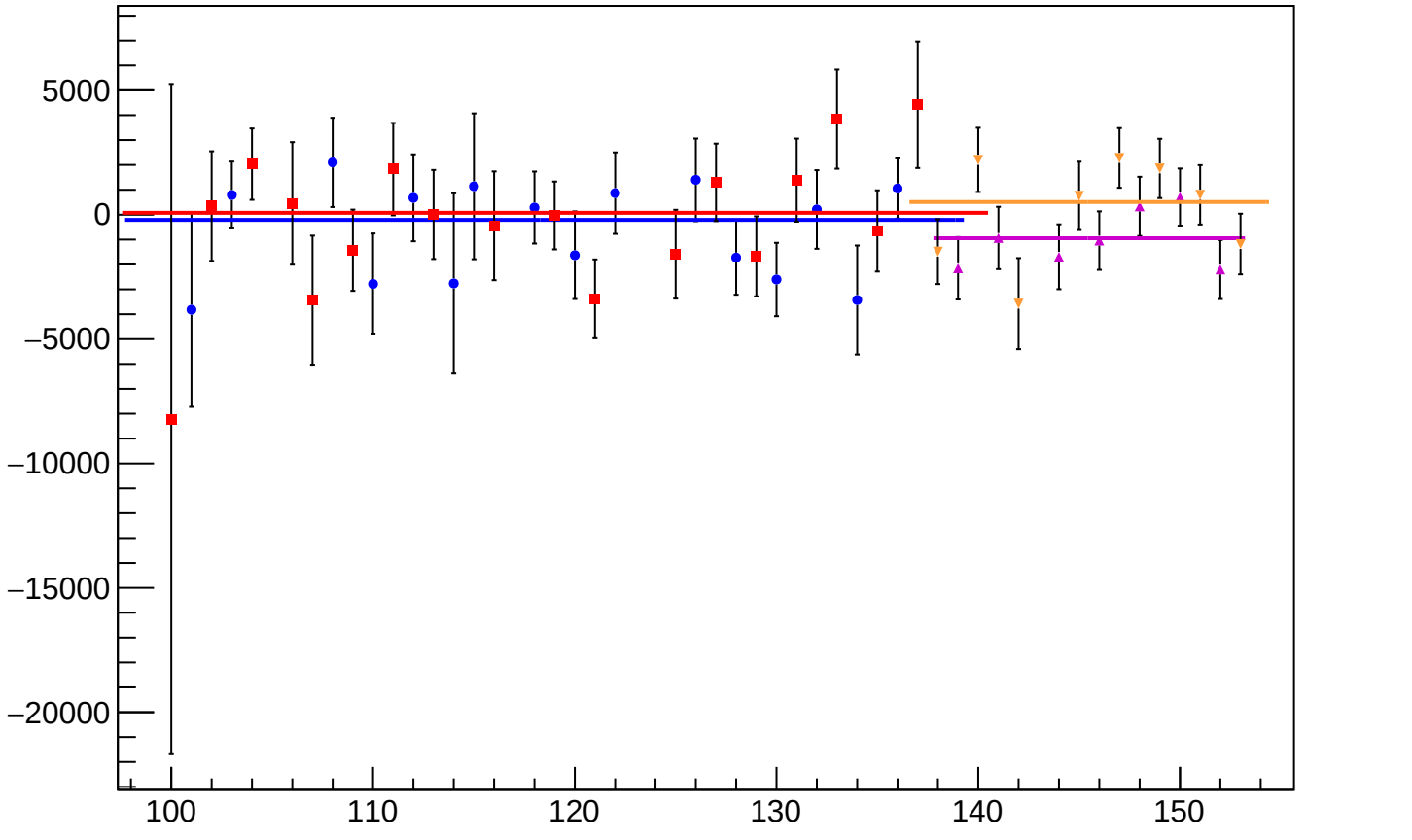
In: 258.799+/-0.054 χ^2/NDF:2655775.0/22

Out: 250.997+/-0.054 χ^2/NDF:3753865.3/25

All: 254.909+/-0.038 χ^2/NDF: 6420020.9/48


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 17.2/15
Left Out: -0.000+/-0.000 χ²/NDF:3.3/7
Right Out: -0.000+/-0.000 χ²/NDF: 25.8/17
Left In: 0.000+/-0.000 χ²/NDF:2.9/6
Left: 0.000+/-0.000 χ²/NDF: 6.2/14
Right: -0.000+/-0.000 χ²/NDF: 43.7/33
In: -0.000+/-0.000 χ²/NDF:20.5/22
Out: -0.000+/-0.000 χ²/NDF:31.1/25
All: -0.000+/-0.000 χ²/NDF: 52.0/48


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
Right In: 0.000+/-0.000 χ²/NDF: 2235431.4/15
Left Out: 0.000+/-0.000 χ²/NDF:371658.3/7
Right Out: 0.000+/-0.000 χ²/NDF: 3745180.4/17
Left In: 0.000+/-0.000 χ²/NDF:627022.2/6
Left: 0.000+/-0.000 χ²/NDF: 1001578.8/14
Right: 0.000+/-0.000 χ²/NDF: 6051897.3/33
In: 0.000+/-0.000 χ²/NDF:2889944.9/22
Out: 0.000+/-0.000 χ²/NDF:4121850.7/25
All: 0.000+/-0.000 χ²/NDF: 7057134.1/48



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: 510.532+/-456.728 χ^2/NDF:14.5/7

Right Out: 75.616+/-430.760 χ^2/NDF: 20.7/17

Left In: -945.690+/-458.403 χ^2/NDF:5.6/6

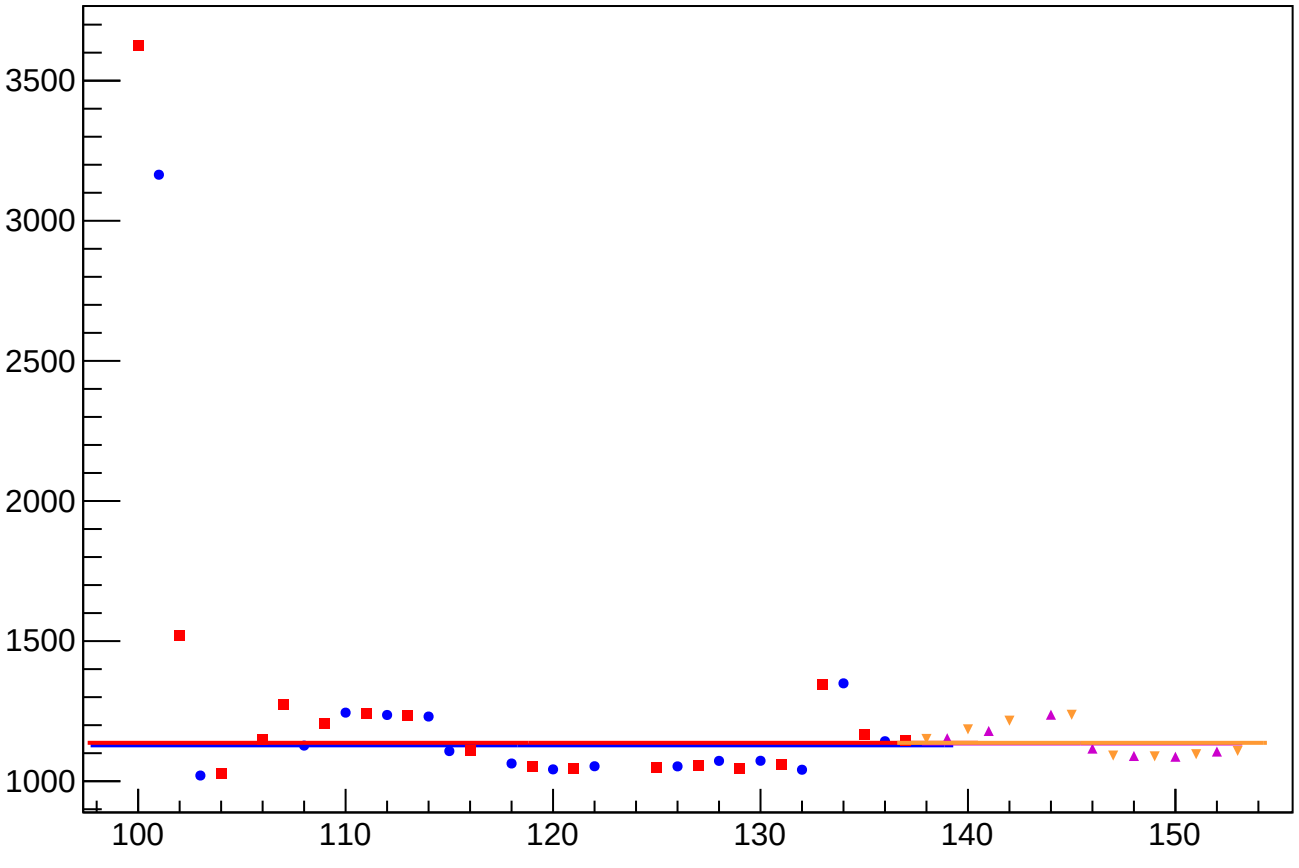
Left: -214.914+/-323.546 χ^2/NDF: 25.2/14

Right: -66.891+/-304.024 χ^2/NDF: 35.6/33

In: -552.742+/-313.288 χ^2/NDF:21.8/22

Out: 280.359+/-313.372 χ^2/NDF:35.7/25

All: -136.302+/-221.558 χ^2/NDF: 61.0/48



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1136.962+/-0.323 χ^2/NDF:26960.5/7

Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1134.624+/-0.324 χ^2/NDF:23257.8/6

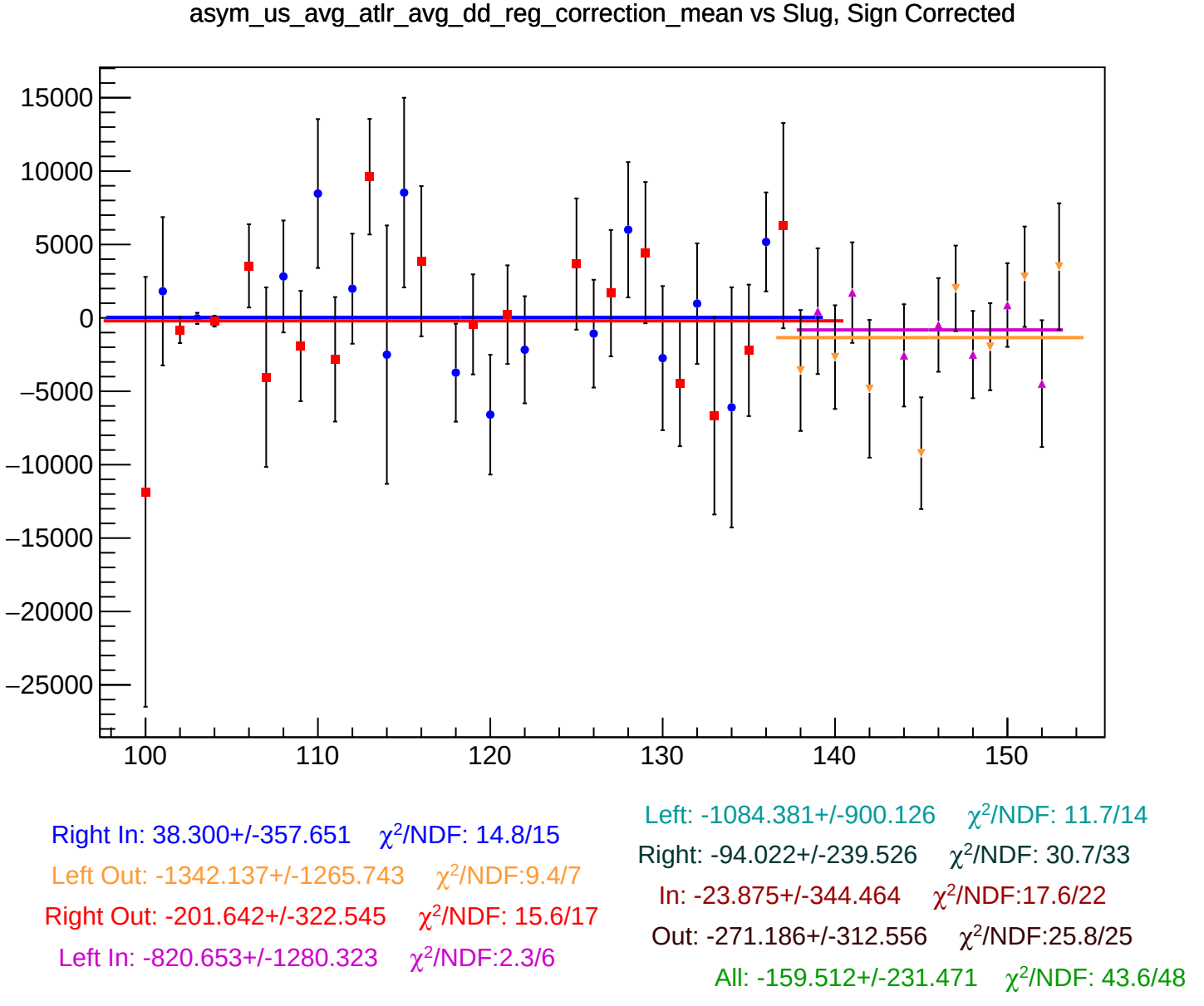
Left: 1135.797+/-0.229 χ^2/NDF: 50244.4/14

Right: 1132.516+/-0.215 χ^2/NDF: 841922.9/33

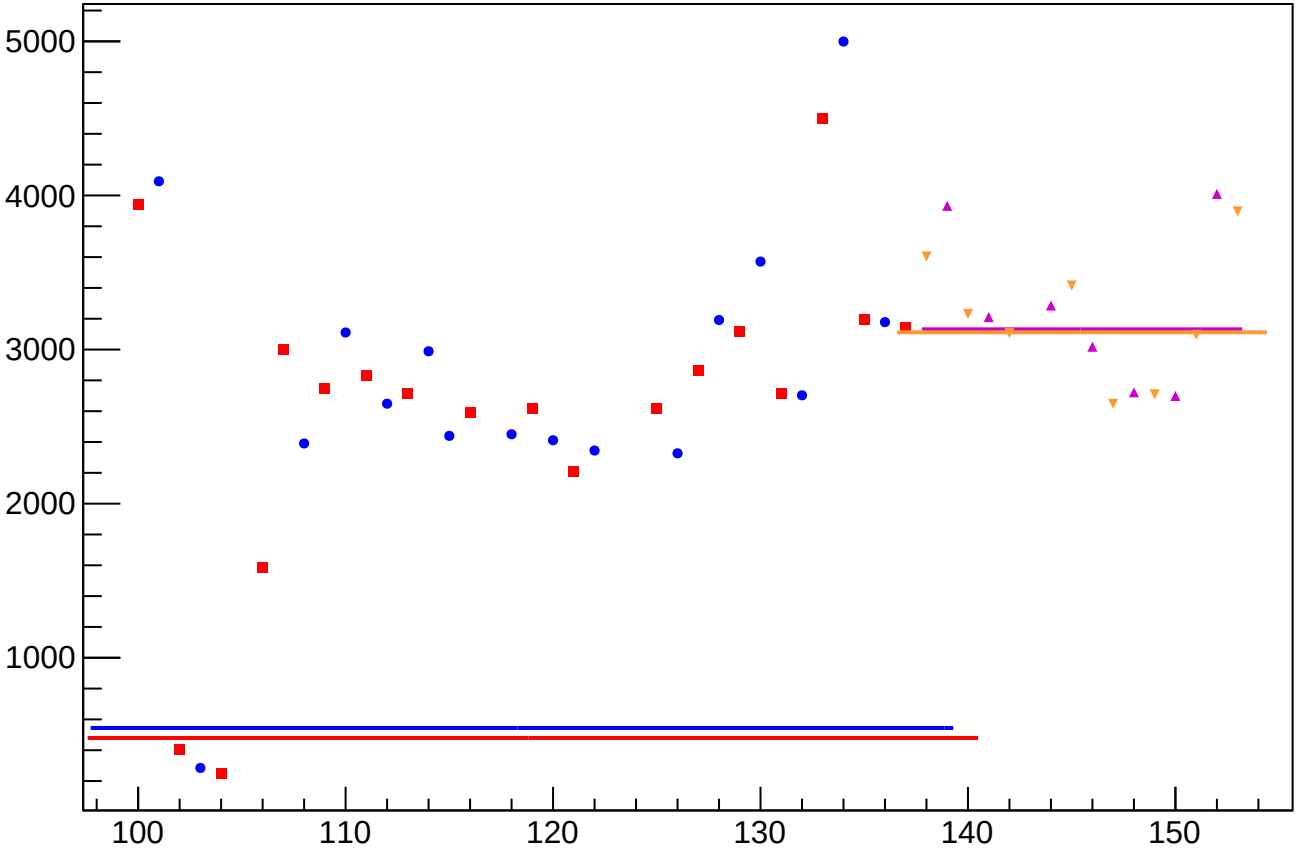
In: 1131.098+/-0.222 χ^2/NDF:644874.4/22

Out: 1137.004+/-0.221 χ^2/NDF:247046.7/25

All: 1134.053+/-0.157 χ^2/NDF: 892276.7/48


asym_us_avg_atlr_avg_dd_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
Right In: 38.300+/-357.651 χ²/NDF: 14.8/15
Left Out: -1342.137+/-1265.743 χ²/NDF:9.4/7
Right Out: -201.642+/-322.545 χ²/NDF: 15.6/17
Left In: -820.653+/-1280.323 χ²/NDF:2.3/6
Left: -1084.381+/-900.126 χ²/NDF: 11.7/14
Right: -94.022+/-239.526 χ²/NDF: 30.7/33
In: -23.875+/-344.464 χ²/NDF:17.6/22
Out: -271.186+/-312.556 χ²/NDF:25.8/25
All: -159.512+/-231.471 χ²/NDF: 43.6/48

asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 544.336+/-0.253 χ^2/NDF: 9682967.9/15

Left Out: 3111.899+/-0.895 χ^2/NDF:197428.0/7

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

Left In: 3131.082+/-0.905 χ^2/NDF:244248.9/6

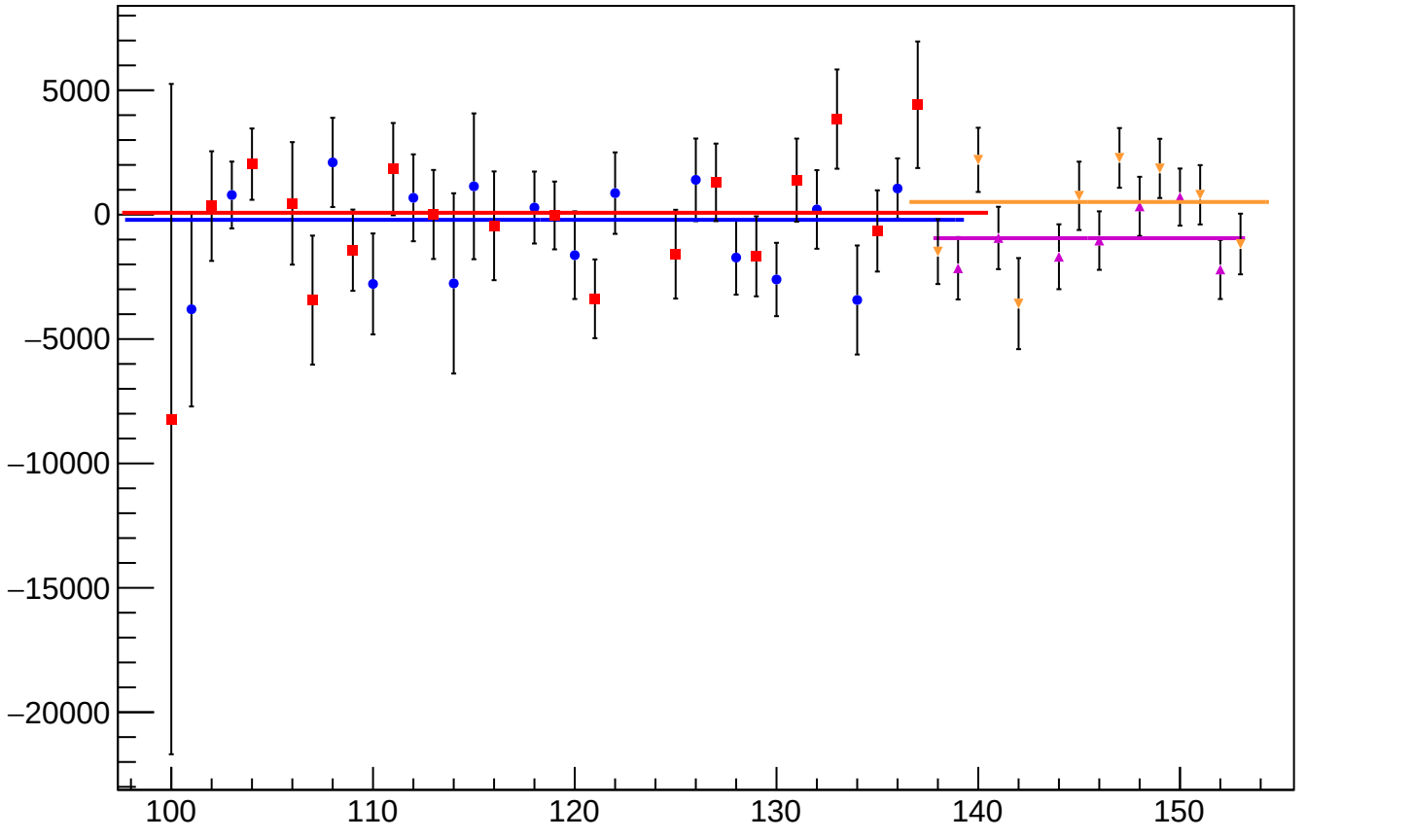
Left: 3121.381+/-0.636 χ^2/NDF: 441904.0/14

Right: 508.444+/-0.169 χ^2/NDF: 18907476.4/33

In: 731.577+/-0.244 χ^2/NDF:17500183.6/22

Out: 639.783+/-0.221 χ^2/NDF:17509988.8/25

All: 681.233+/-0.164 χ^2/NDF: 35088066.6/48



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 510.600+/-456.728 χ^2/NDF:14.5/7

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: -945.794+/-458.403 χ^2/NDF:5.6/6

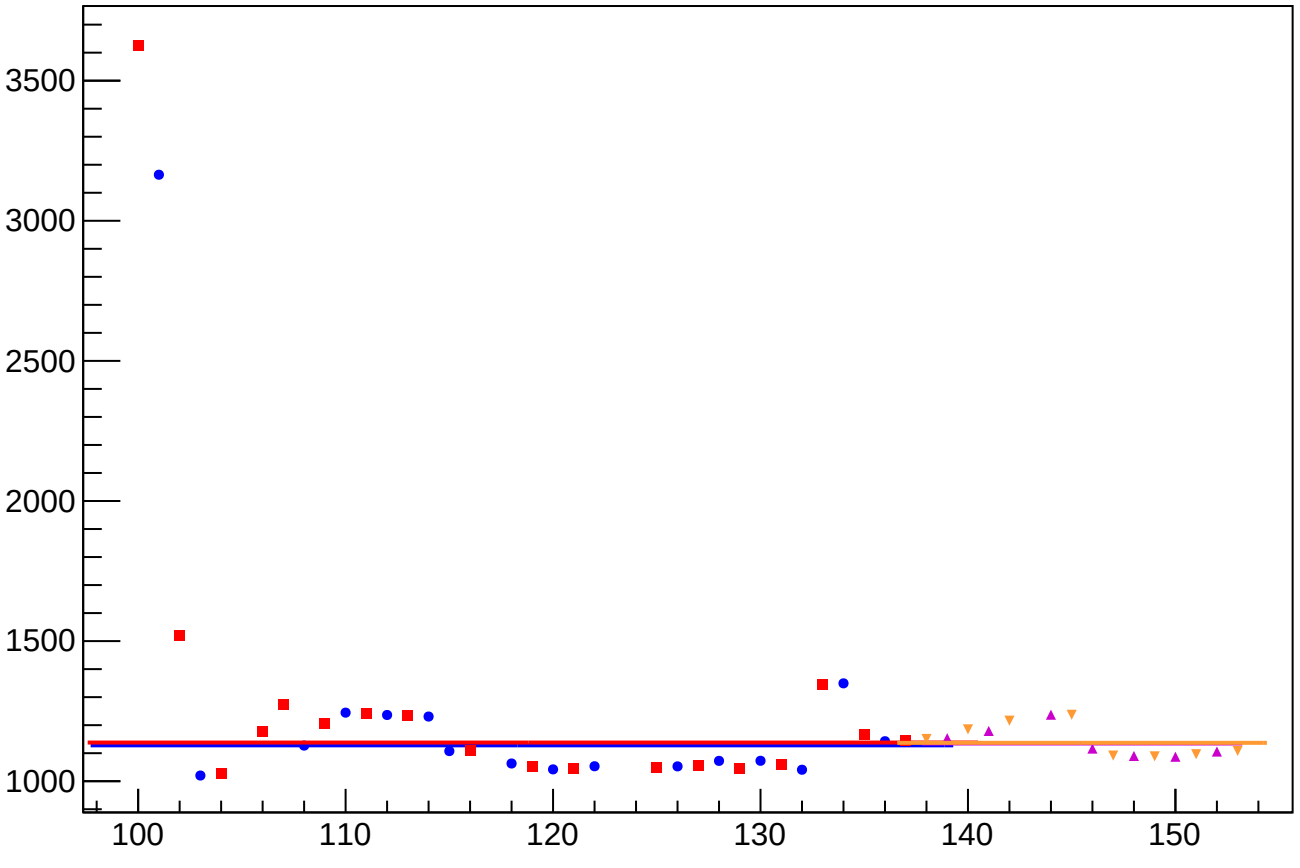
Left: -214.931+/-323.546 χ^2/NDF: 25.2/14

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -552.669+/-313.288 χ^2/NDF:21.8/22

Out: 280.468+/-313.372 χ^2/NDF:35.7/25

All: -136.211+/-221.558 χ^2/NDF: 60.9/48



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1136.962+/-0.323 χ^2/NDF:26960.5/7

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1134.624+/-0.324 χ^2/NDF:23257.8/6

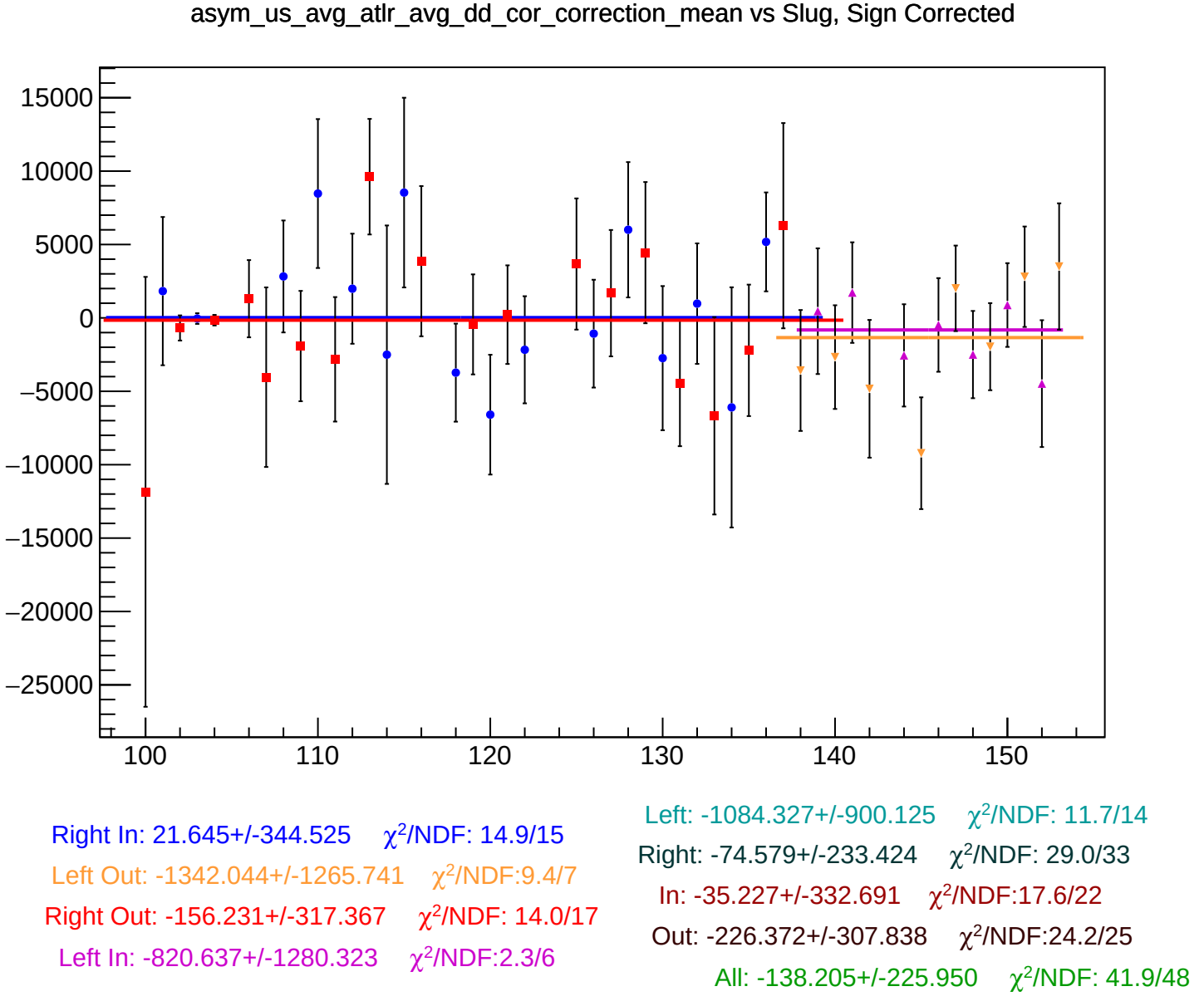
Left: 1135.797+/-0.229 χ^2/NDF: 50244.4/14

Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

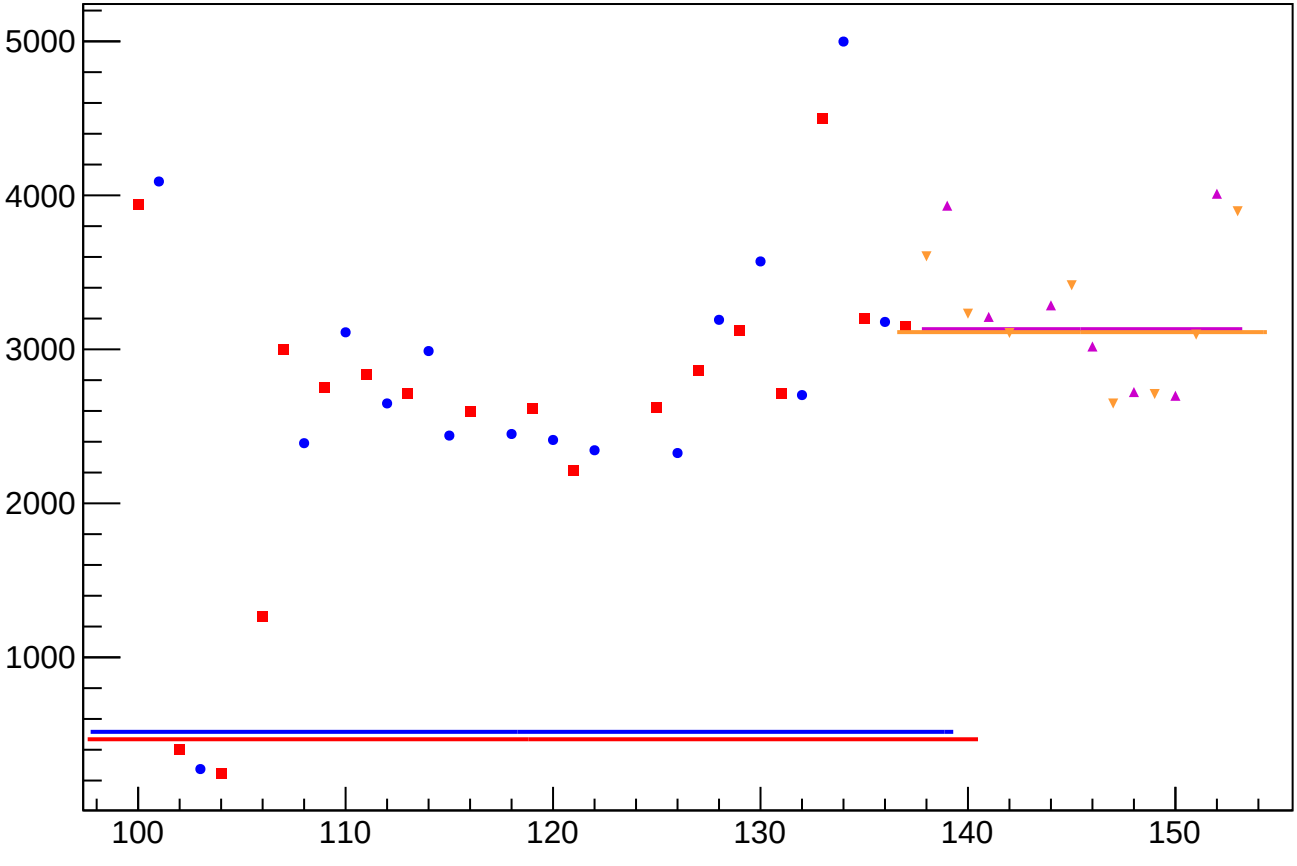
In: 1131.098+/-0.222 χ^2/NDF:644875.5/22

Out: 1137.512+/-0.222 χ^2/NDF:247590.4/25

All: 1134.305+/-0.157 χ^2/NDF: 892885.1/48


asym_us_avg_atlr_avg_dd_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
Right In: 21.645+/-344.525 χ²/NDF: 14.9/15
Left Out: -1342.044+/-1265.741 χ²/NDF:9.4/7
Right Out: -156.231+/-317.367 χ²/NDF: 14.0/17
Left In: -820.637+/-1280.323 χ²/NDF:2.3/6
Left: -1084.327+/-900.125 χ²/NDF: 11.7/14
Right: -74.579+/-233.424 χ²/NDF: 29.0/33
In: -35.227+/-332.691 χ²/NDF:17.6/22
Out: -226.372+/-307.838 χ²/NDF:24.2/25
All: -138.205+/-225.950 χ²/NDF: 41.9/48

asym_us_avg_atlr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3111.897+/-0.895 χ^2/NDF:197427.0/7

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3131.081+/-0.905 χ^2/NDF:244249.8/6

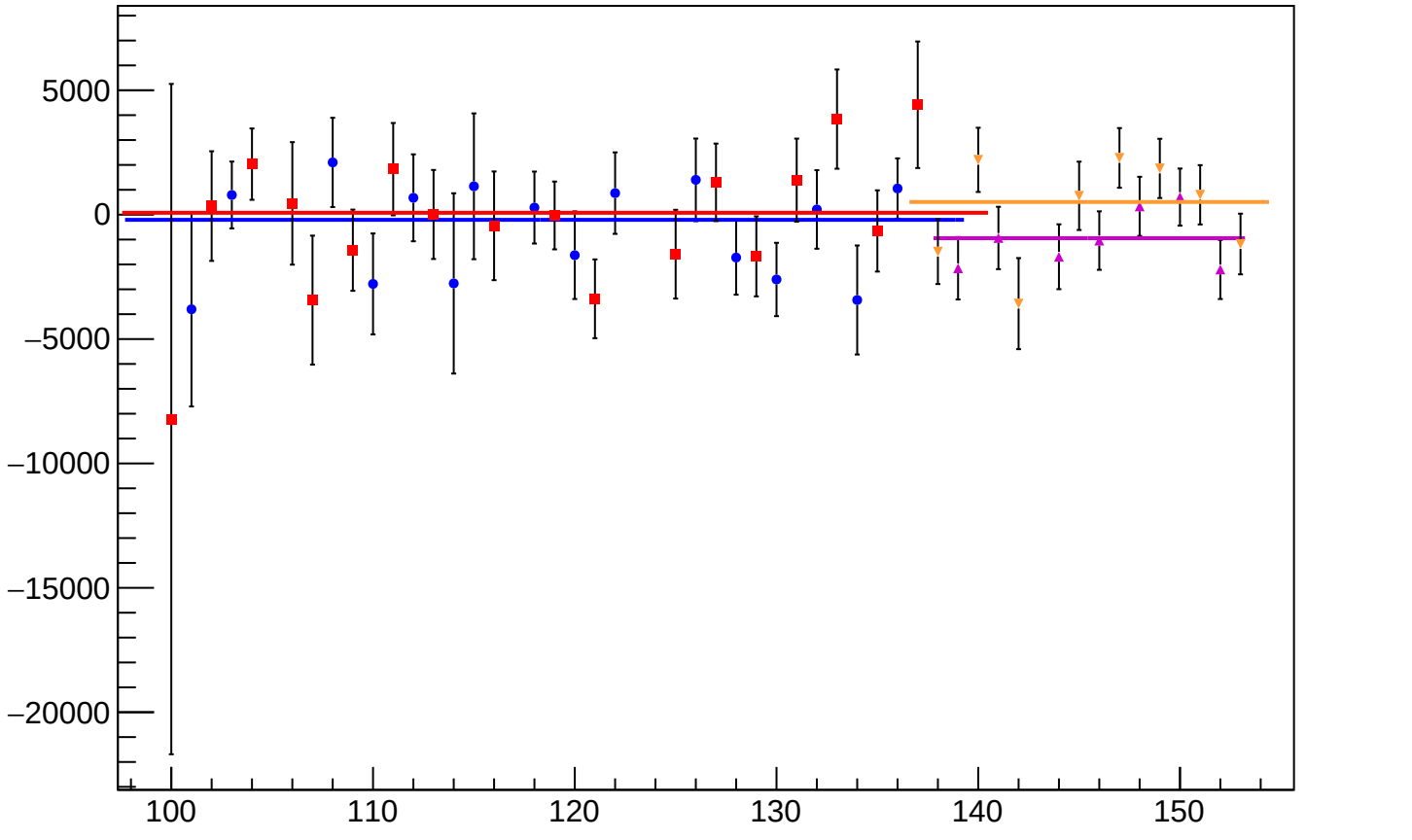
Left: 3121.379+/-0.636 χ^2/NDF: 441903.9/14

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 692.851+/-0.235 χ^2/NDF:17857518.6/22

Out: 624.443+/-0.218 χ^2/NDF:17518396.5/25

All: 655.996+/-0.160 χ^2/NDF: 35421471.3/48



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 510.600+/-456.728 χ^2/NDF:14.5/7

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: -945.794+/-458.403 χ^2/NDF:5.6/6

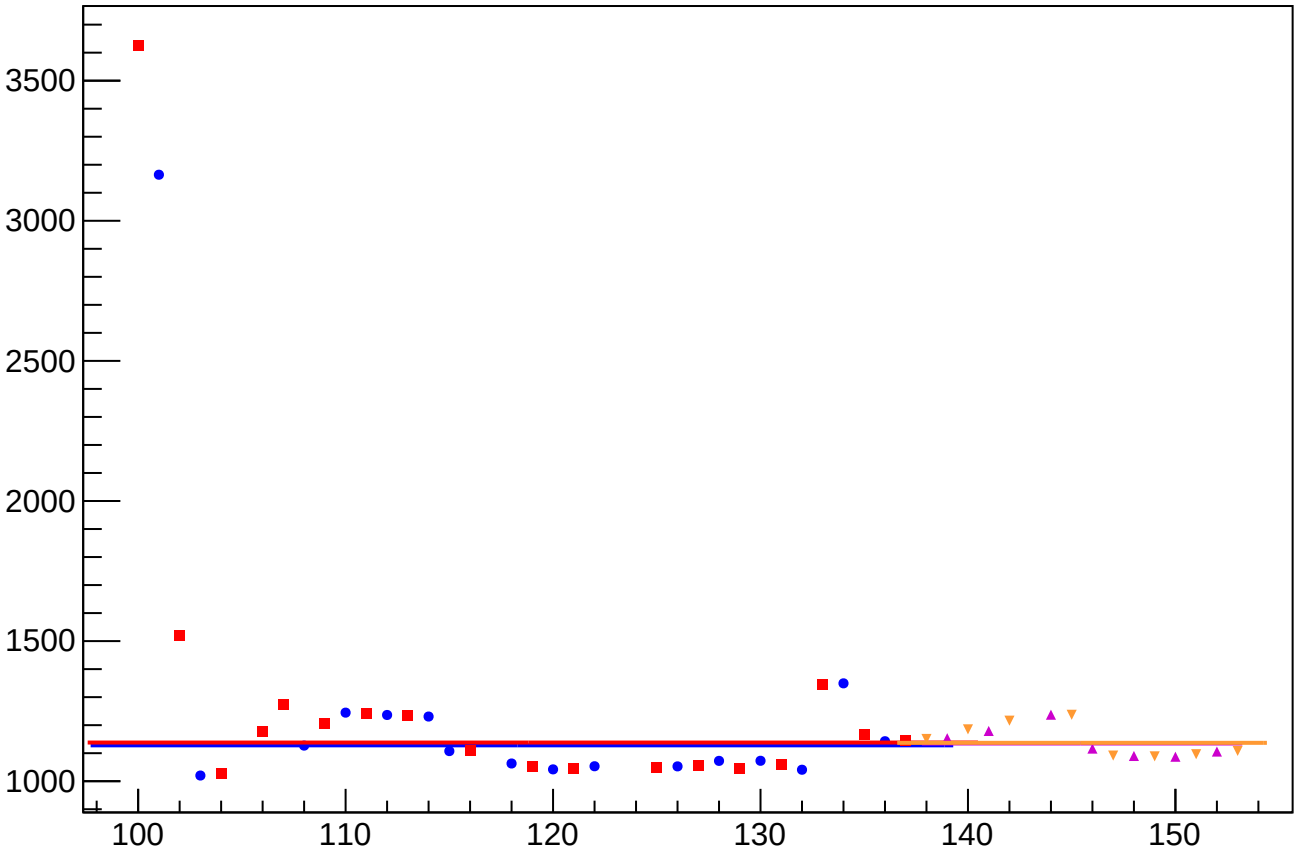
Left: -214.931+/-323.546 χ^2/NDF: 25.2/14

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -552.669+/-313.288 χ^2/NDF:21.8/22

Out: 280.468+/-313.372 χ^2/NDF:35.7/25

All: -136.211+/-221.558 χ^2/NDF: 60.9/48



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1136.962+/-0.323 χ^2/NDF:26960.5/7

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1134.624+/-0.324 χ^2/NDF:23257.8/6

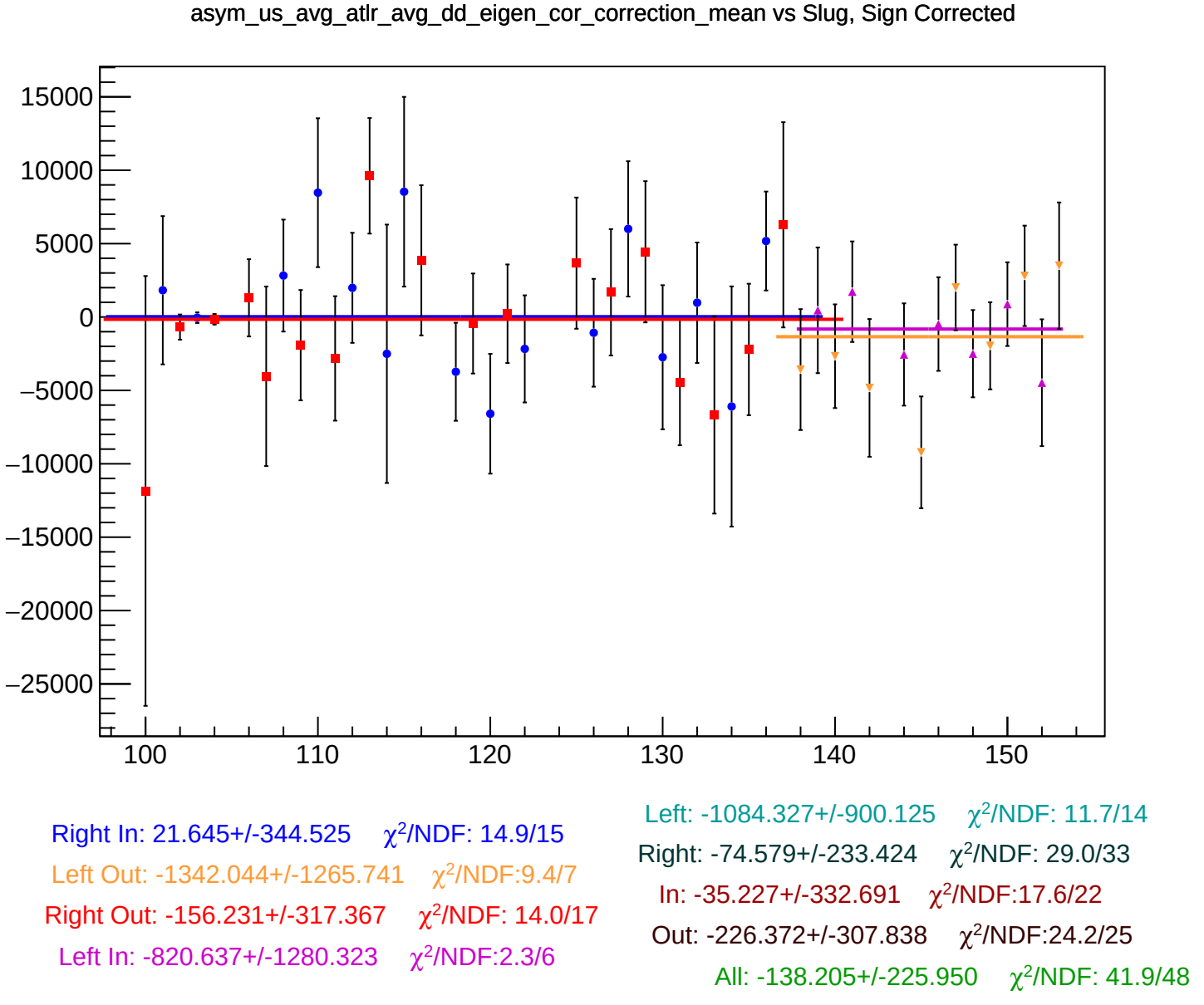
Left: 1135.797+/-0.229 χ^2/NDF: 50244.4/14

Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

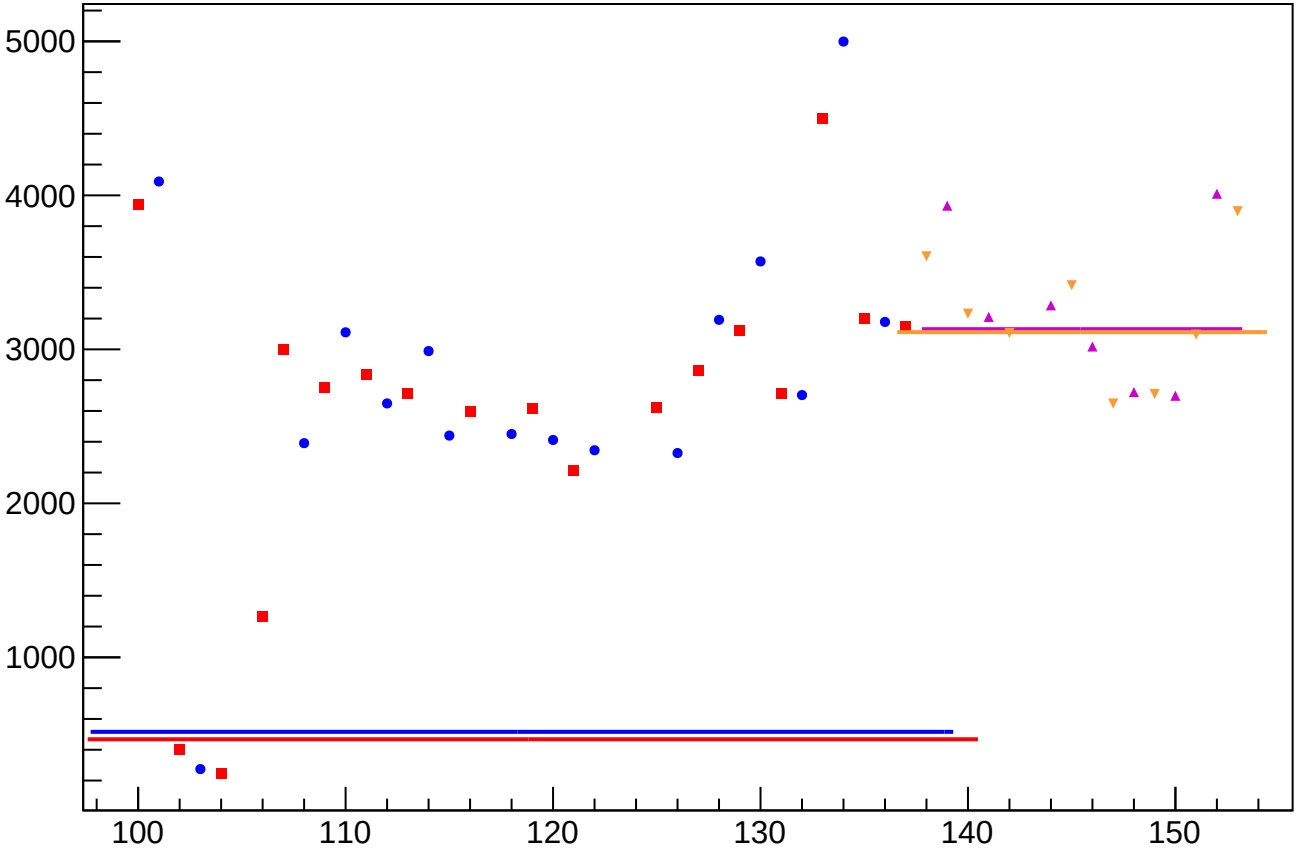
In: 1131.098+/-0.222 χ^2/NDF:644875.5/22

Out: 1137.512+/-0.222 χ^2/NDF:247590.4/25

All: 1134.305+/-0.157 χ^2/NDF: 892885.1/48


asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
Right In: 21.645+/-344.525 χ²/NDF: 14.9/15
Left Out: -1342.044+/-1265.741 χ²/NDF:9.4/7
Right Out: -156.231+/-317.367 χ²/NDF: 14.0/17
Left In: -820.637+/-1280.323 χ²/NDF:2.3/6
Left: -1084.327+/-900.125 χ²/NDF: 11.7/14
Right: -74.579+/-233.424 χ²/NDF: 29.0/33
In: -35.227+/-332.691 χ²/NDF:17.6/22
Out: -226.372+/-307.838 χ²/NDF:24.2/25
All: -138.205+/-225.950 χ²/NDF: 41.9/48

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3111.897+/-0.895 χ^2/NDF:197427.0/7

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3131.081+/-0.905 χ^2/NDF:244249.8/6

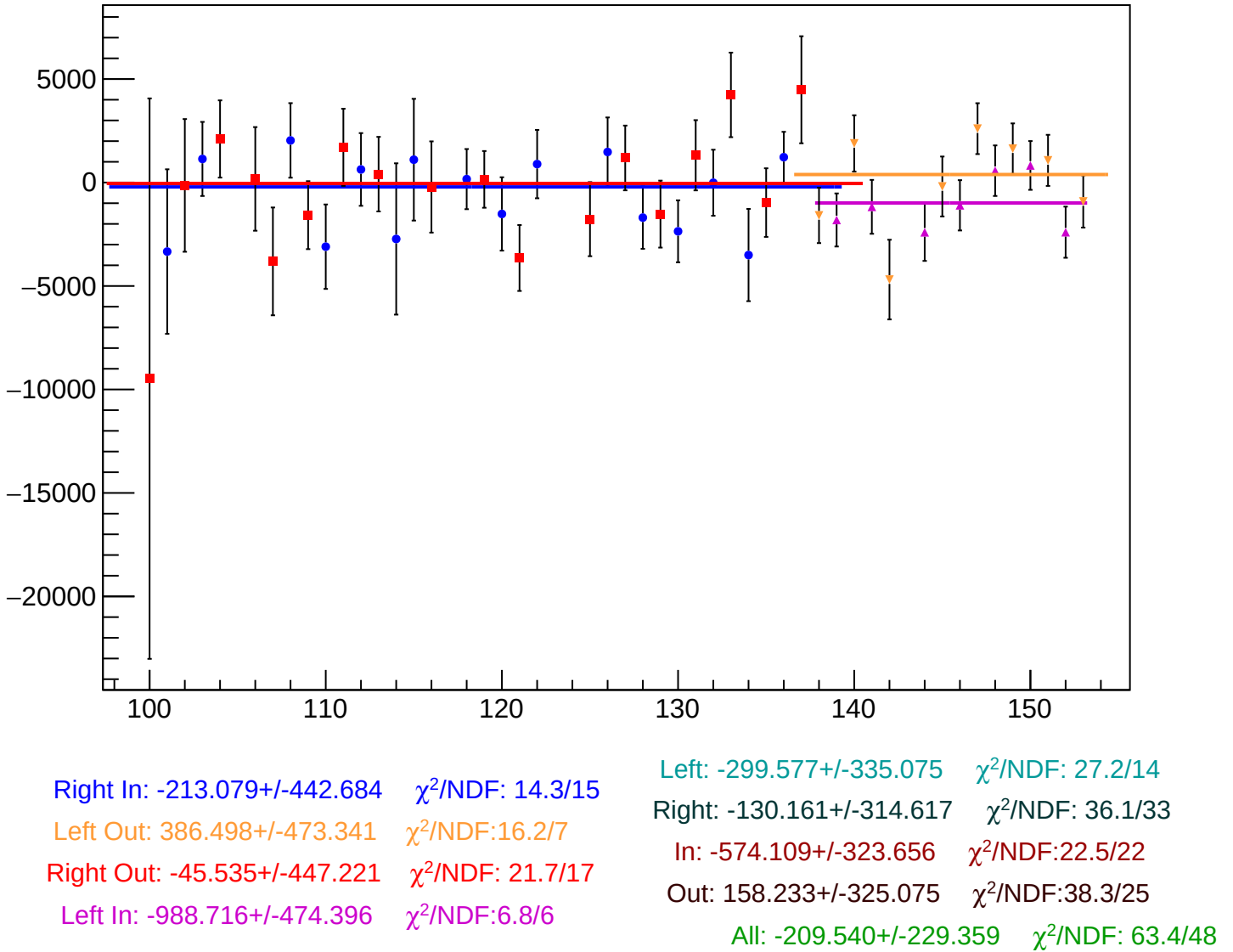
Left: 3121.379+/-0.636 χ^2/NDF: 441903.9/14

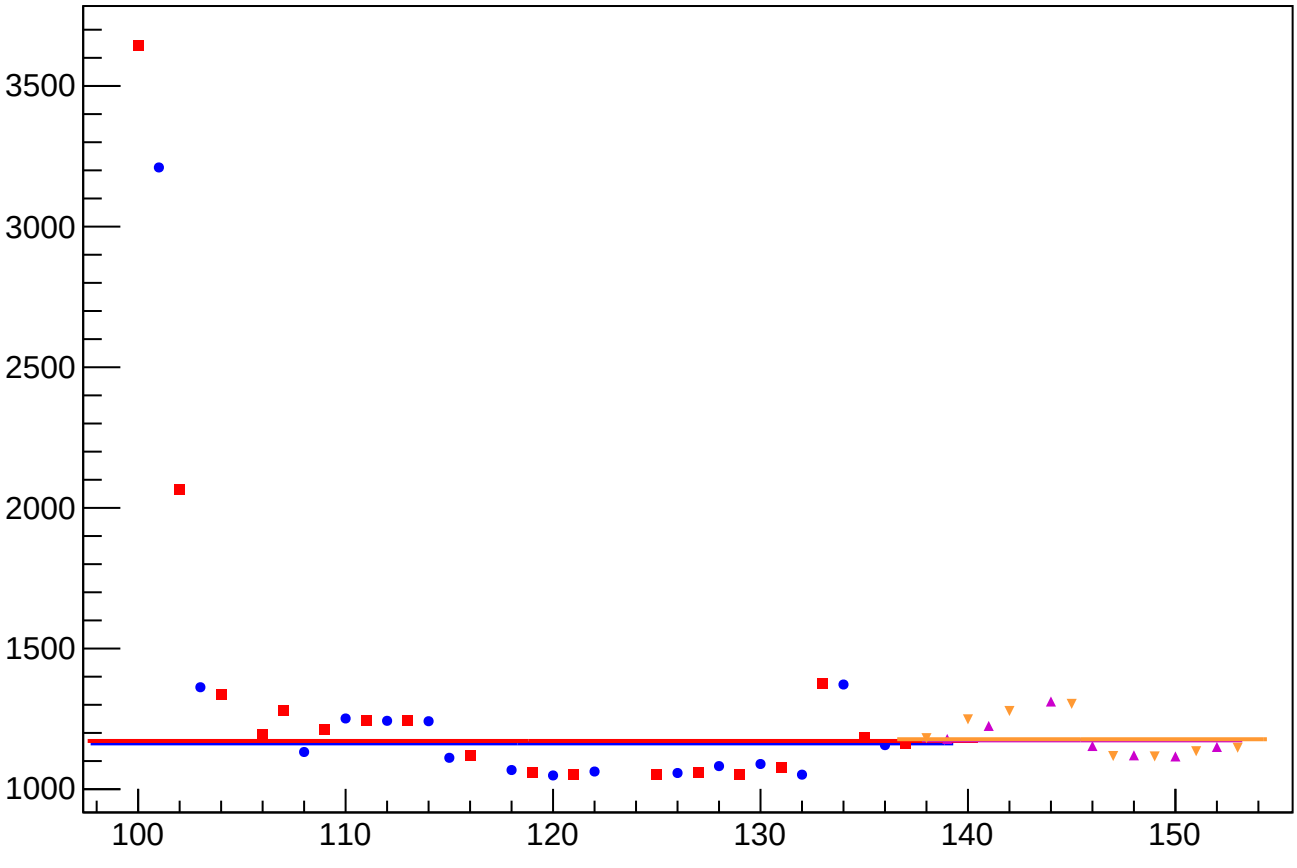
Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 692.851+/-0.235 χ^2/NDF:17857518.6/22

Out: 624.443+/-0.218 χ^2/NDF:17518396.5/25

All: 655.996+/-0.160 χ^2/NDF: 35421471.3/48


dit_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
Right In: -213.079+/-442.684 χ²/NDF: 14.3/15
Left Out: 386.498+/-473.341 χ²/NDF:16.2/7
Right Out: -45.535+/-447.221 χ²/NDF: 21.7/17
Left In: -988.716+/-474.396 χ²/NDF:6.8/6
Left: -299.577+/-335.075 χ²/NDF: 27.2/14
Right: -130.161+/-314.617 χ²/NDF: 36.1/33
In: -574.109+/-323.656 χ²/NDF:22.5/22
Out: 158.233+/-325.075 χ²/NDF:38.3/25
All: -209.540+/-229.359 χ²/NDF: 63.4/48



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1177.550+/-0.335 χ^2/NDF:39208.1/7

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1173.598+/-0.335 χ^2/NDF:32858.0/6

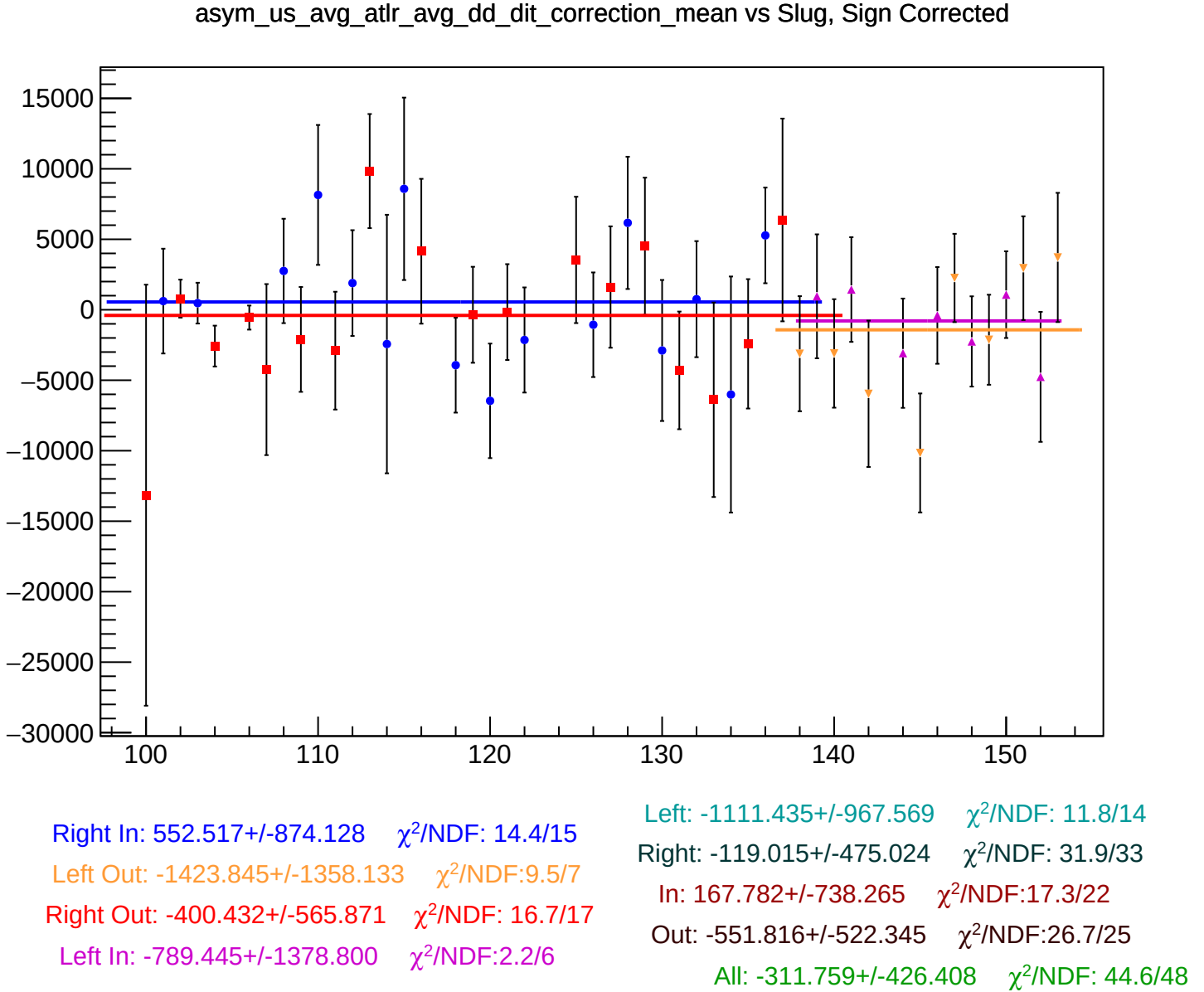
Left: 1175.579+/-0.237 χ^2/NDF: 72135.7/14

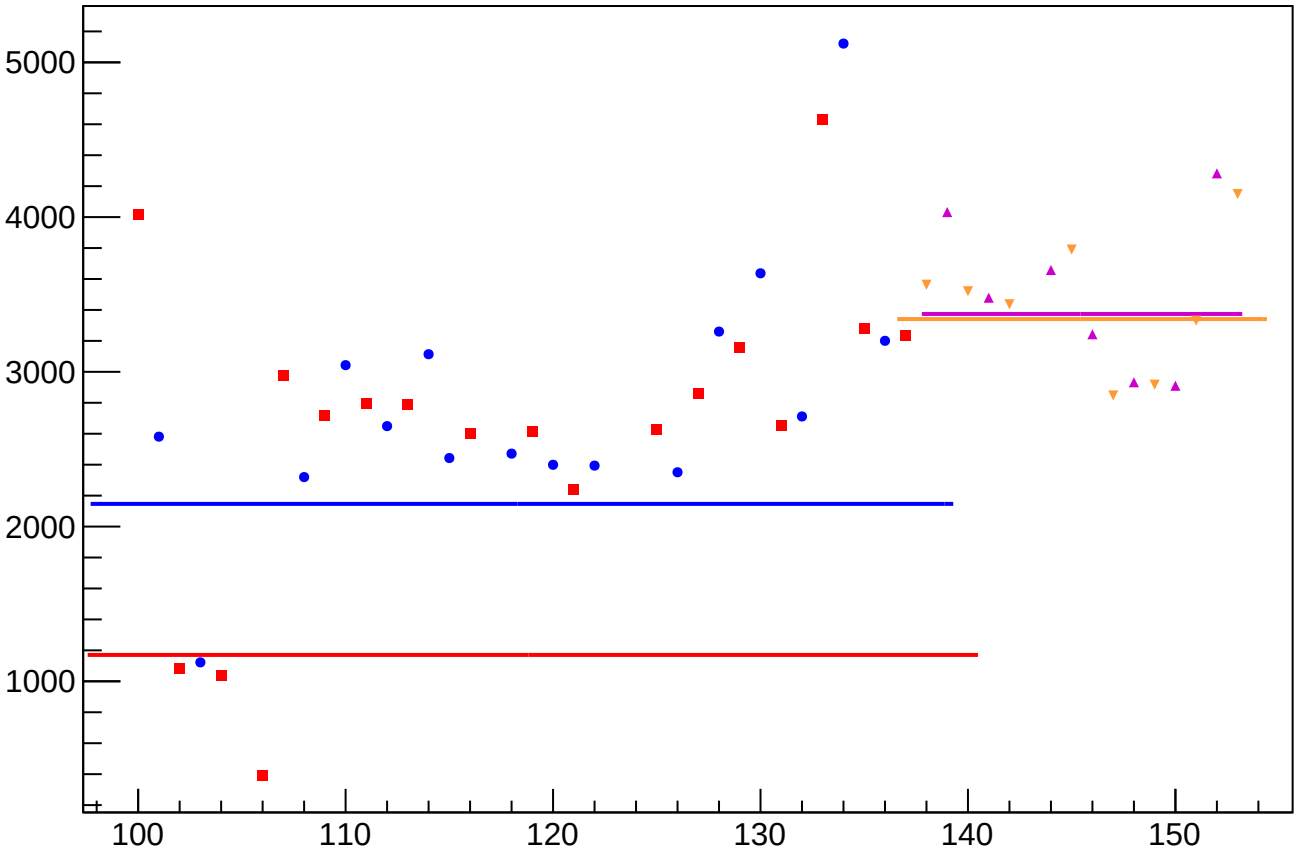
Right: 1167.094+/-0.222 χ^2/NDF: 967365.3/33

In: 1167.854+/-0.229 χ^2/NDF:668760.1/22

Out: 1174.310+/-0.230 χ^2/NDF:371026.2/25

All: 1171.069+/-0.162 χ^2/NDF: 1040182.6/48


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
Right In: 552.517+/-874.128 χ²/NDF: 14.4/15
Left Out: -1423.845+/-1358.133 χ²/NDF:9.5/7
Right Out: -400.432+/-565.871 χ²/NDF: 16.7/17
Left In: -789.445+/-1378.800 χ²/NDF:2.2/6
Left: -1111.435+/-967.569 χ²/NDF: 11.8/14
Right: -119.015+/-475.024 χ²/NDF: 31.9/33
In: 167.782+/-738.265 χ²/NDF:17.3/22
Out: -551.816+/-522.345 χ²/NDF:26.7/25
All: -311.759+/-426.408 χ²/NDF: 44.6/48



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3341.062+/-0.960 χ^2/NDF:180667.2/7

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

Left In: 3374.052+/-0.975 χ^2/NDF:221189.8/6

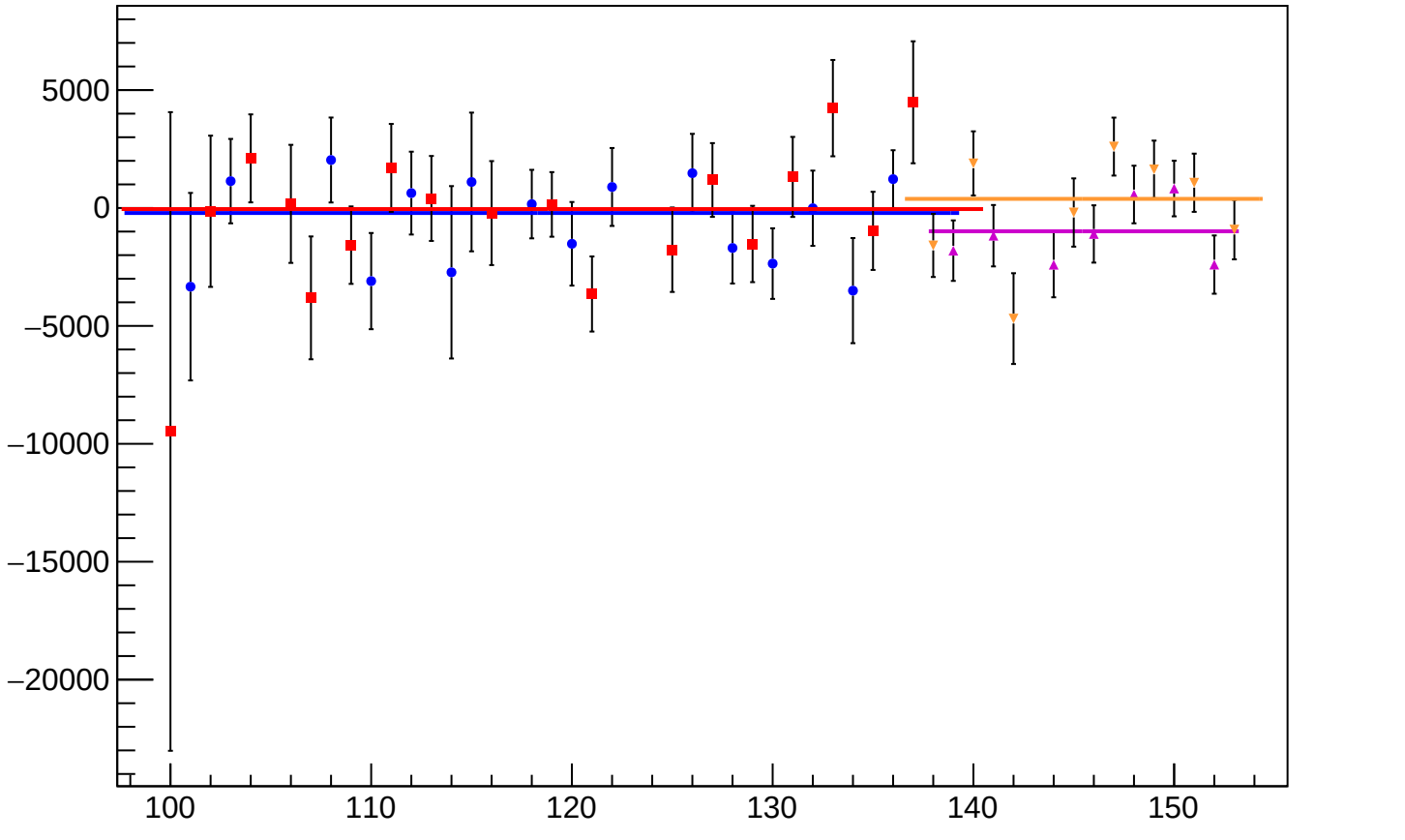
Left: 3357.308+/-0.684 χ^2/NDF: 402438.1/14

Right: 1458.811+/-0.336 χ^2/NDF: 9549375.1/33

In: 2498.517+/-0.522 χ^2/NDF:3326489.1/22

Out: 1491.634+/-0.369 χ^2/NDF:10350662.3/25

All: 1827.530+/-0.302 χ^2/NDF: 16156279.1/4



Right In: -213.082+/-442.684 χ^2/NDF: 14.3/15

Left Out: 386.493+/-473.341 χ^2/NDF:16.2/7

Right Out: -45.539+/-447.221 χ^2/NDF: 21.7/17

Left In: -988.713+/-474.397 χ^2/NDF:6.8/6

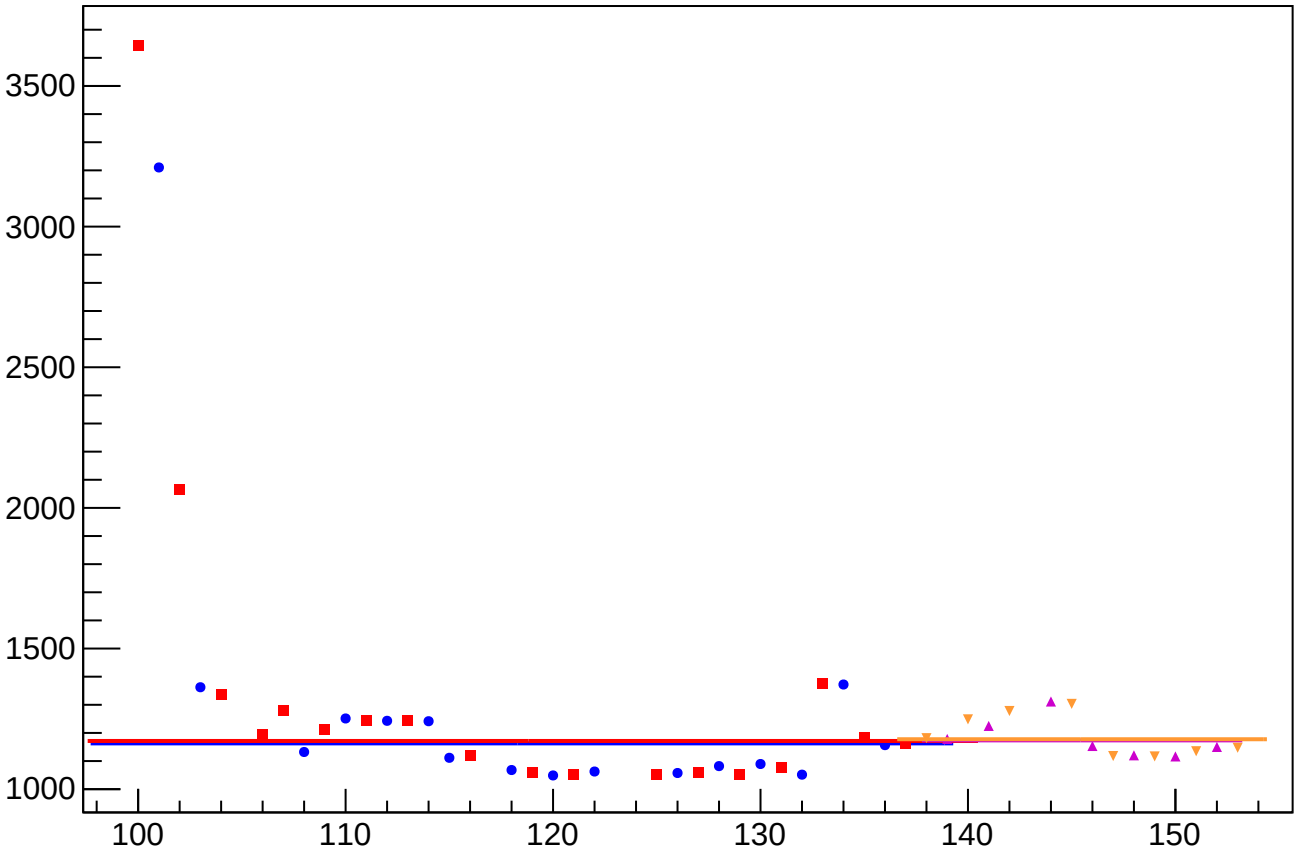
Left: -299.578+/-335.075 χ^2/NDF: 27.2/14

Right: -130.164+/-314.617 χ^2/NDF: 36.1/33

In: -574.108+/-323.656 χ^2/NDF:22.5/22

Out: 158.228+/-325.075 χ^2/NDF:38.3/25

All: -209.542+/-229.359 χ^2/NDF: 63.4/48



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.6/15

Left Out: 1177.551+/-0.335 χ^2/NDF:39208.6/7

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1173.599+/-0.335 χ^2/NDF:32858.2/6

Left: 1175.579+/-0.237 χ^2/NDF: 72136.3/14

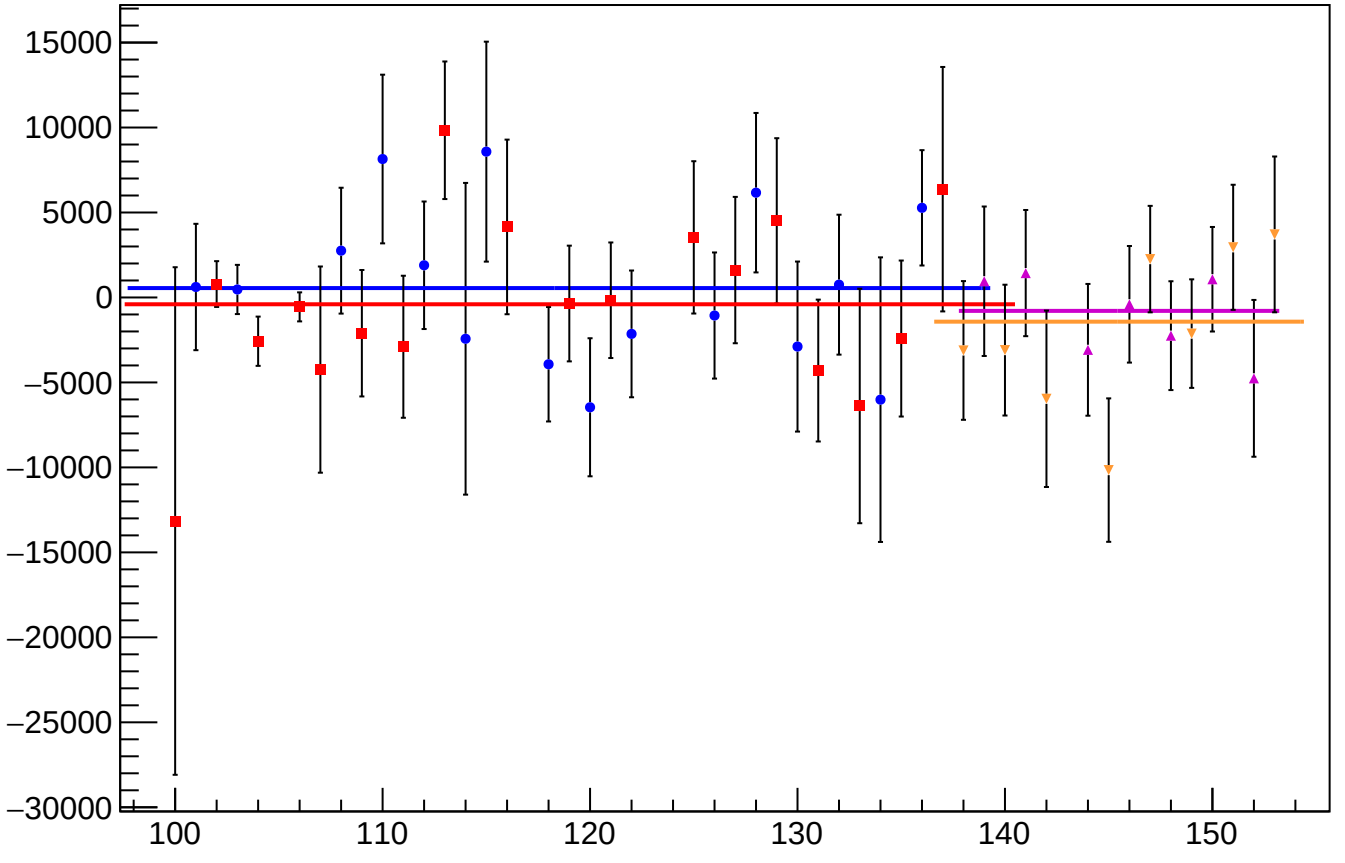
Right: 1167.094+/-0.222 χ^2/NDF: 967365.1/33

In: 1167.854+/-0.229 χ^2/NDF:668760.5/22

Out: 1174.310+/-0.230 χ^2/NDF:371026.3/25

All: 1171.069+/-0.162 χ^2/NDF: 1040183.1/48

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: -1423.848+/-1358.134 χ^2/NDF:9.5/7

Right Out: -400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: -789.442+/-1378.801 χ^2/NDF:2.2/6

Left: -1111.435+/-967.570 χ^2/NDF: 11.8/14

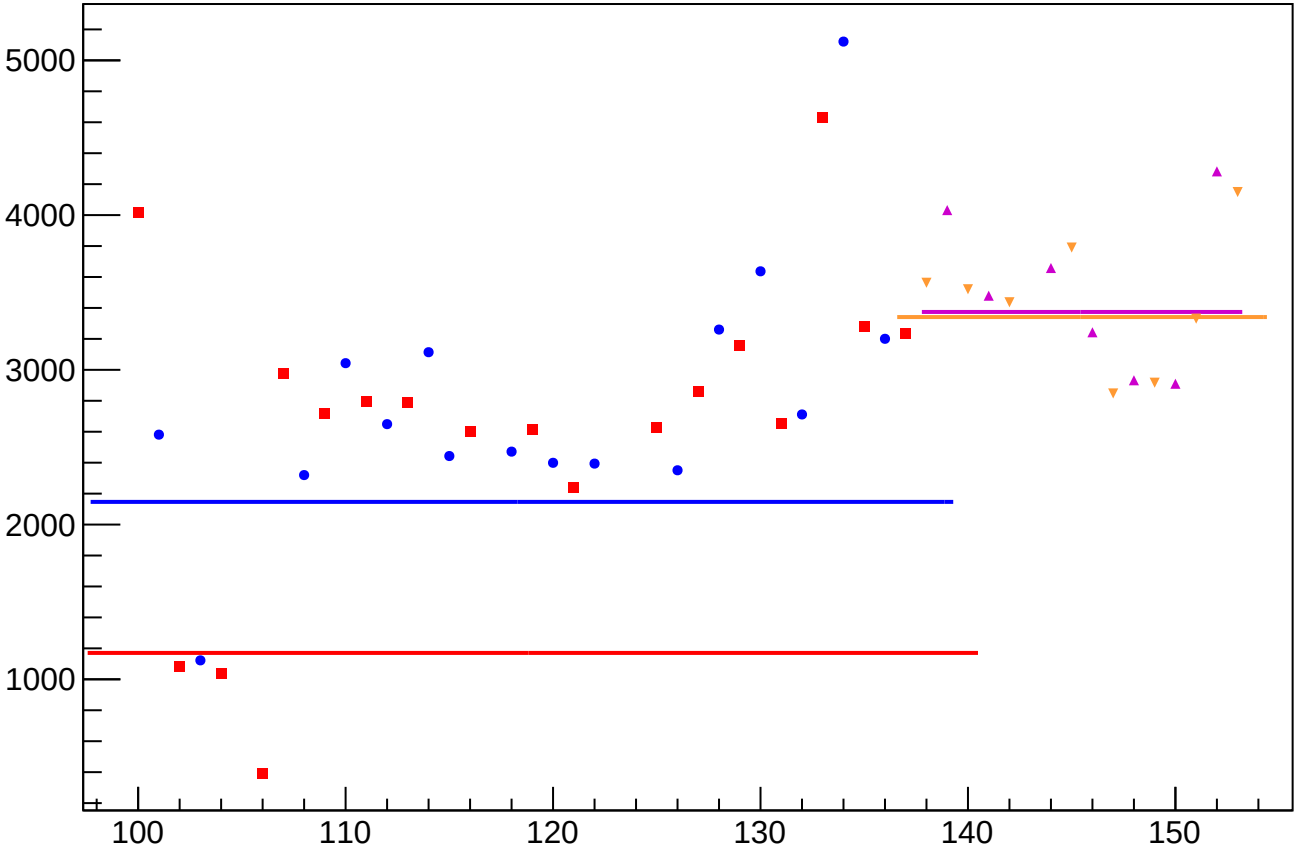
Right: -119.022+/-475.020 χ^2/NDF: 31.9/33

In: 167.779+/-738.264 χ^2/NDF:17.3/22

Out: -551.814+/-522.339 χ^2/NDF:26.7/25

All: -311.761+/-426.405 χ^2/NDF: 44.6/48

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: 3341.065+/-0.960 χ^2/NDF:180668.0/7

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

Left In: 3374.056+/-0.975 χ^2/NDF:221190.5/6

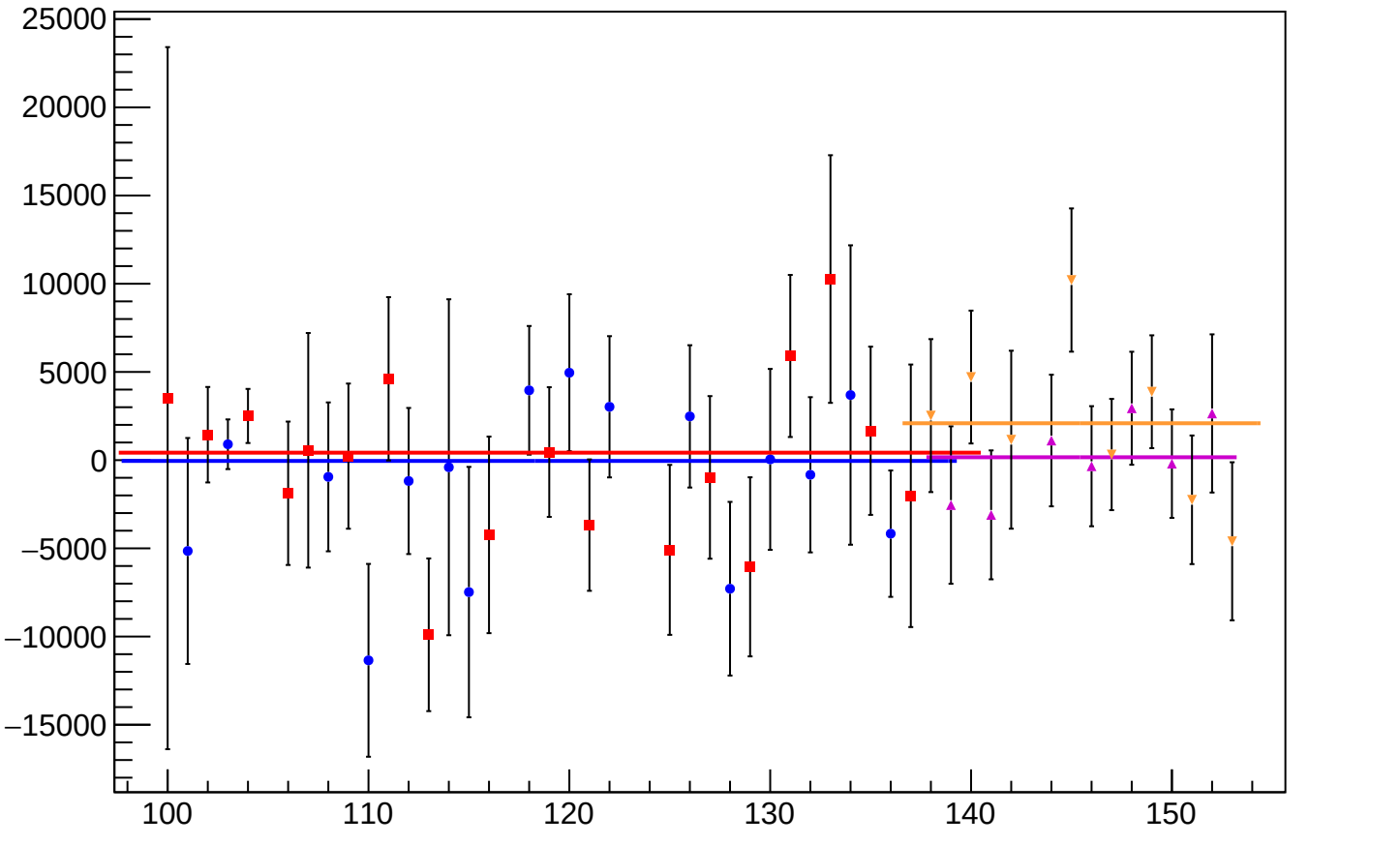
Left: 3357.311+/-0.684 χ^2/NDF: 402439.6/14

Right: 1458.789+/-0.336 χ^2/NDF: 9549586.1/33

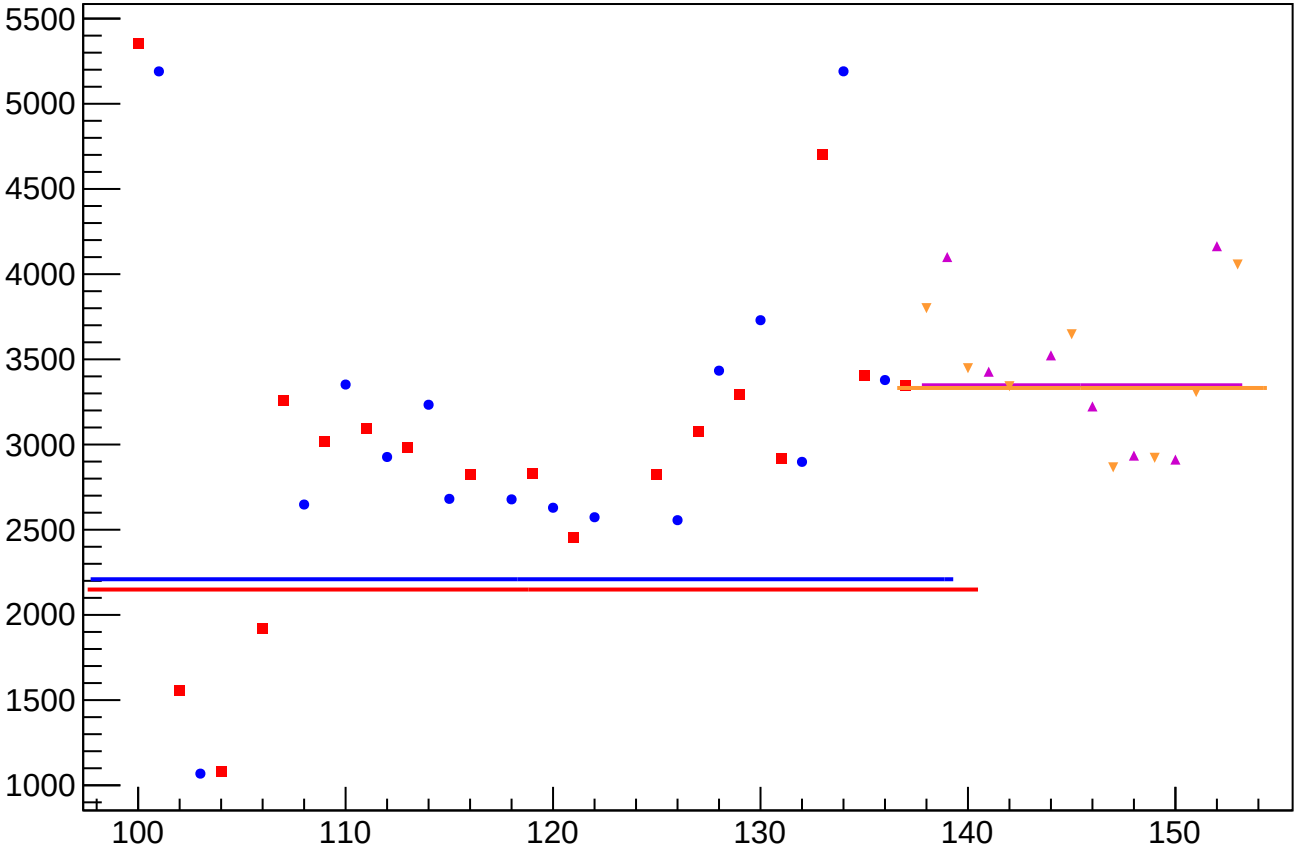
In: 2498.515+/-0.522 χ^2/NDF:3326497.1/22

Out: 1491.608+/-0.369 χ^2/NDF:10350904.0/25

All: 1827.507+/-0.302 χ^2/NDF: 16156665.6/4


asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: -44.874+/-920.736 χ²/NDF: 13.7/15
Left Out: 2091.202+/-1351.984 χ²/NDF:8.8/7
Right Out: 423.476+/-896.736 χ²/NDF: 17.3/17
Left In: 163.447+/-1365.784 χ²/NDF:2.3/6
Left: 1137.113+/-960.839 χ²/NDF: 12.1/14
Right: 195.485+/-642.405 χ²/NDF: 31.2/33
In: 20.219+/-763.454 χ²/NDF:16.1/22
Out: 933.005+/-747.297 χ²/NDF:27.2/25
All: 486.372+/-534.039 χ²/NDF: 44.0/48

asym_us_avg_atlr_avg_dd_rms vs Slug, Sign Corrected



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3331.948+/-0.956 χ^2/NDF:166241.2/7

Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3347.713+/-0.966 χ^2/NDF:204606.0/6

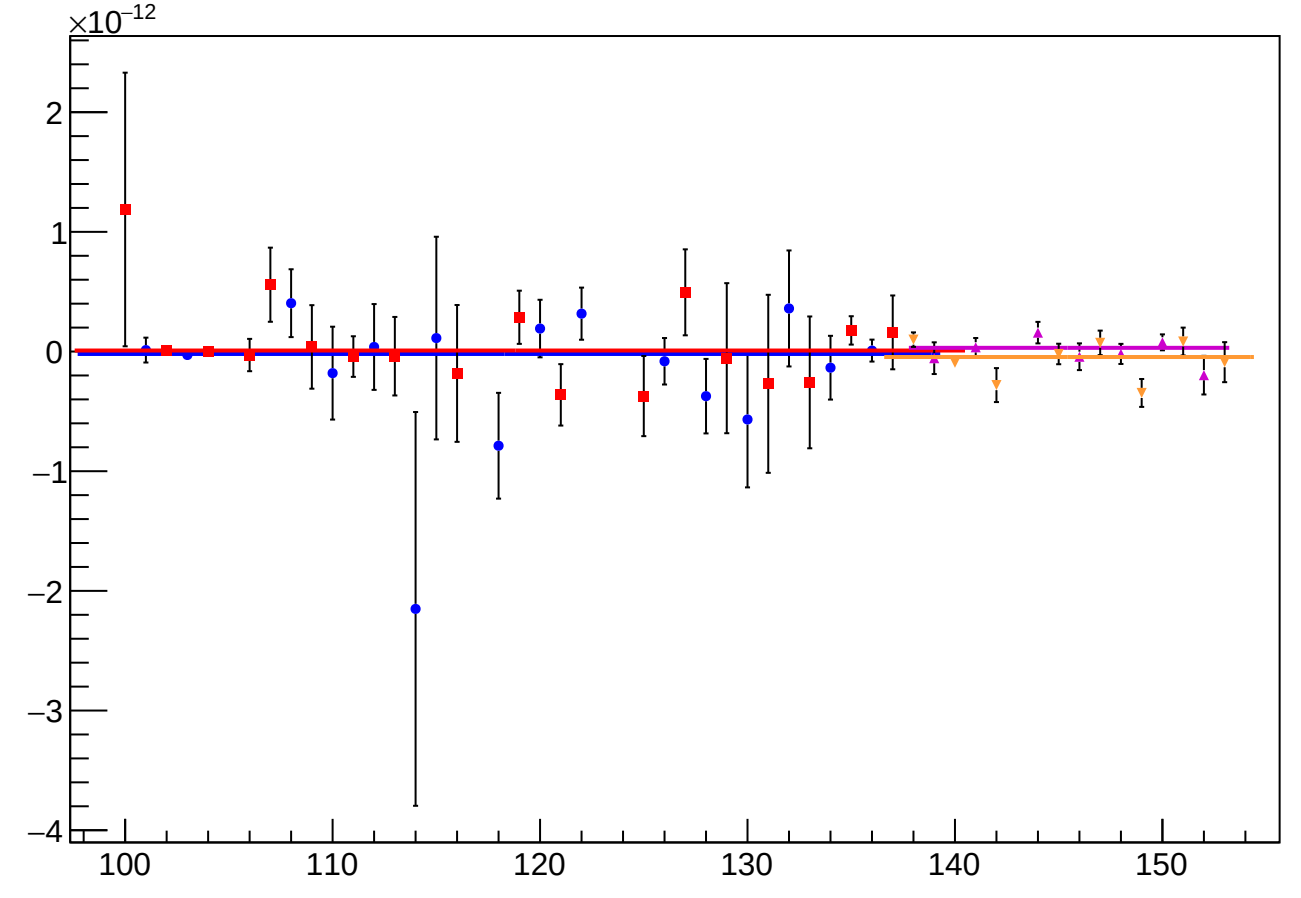
Left: 3339.750+/-0.679 χ^2/NDF: 370981.8/14

Right: 2178.279+/-0.454 χ^2/NDF: 5110964.0/33

In: 2565.046+/-0.540 χ^2/NDF:3996746.5/22

Out: 2509.180+/-0.528 χ^2/NDF:3500898.9/25

All: 2536.470+/-0.377 χ^2/NDF: 7503123.6/48



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/7

Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/17

Left In: 0.000+/-0.000 χ^2/NDF:5.7/6

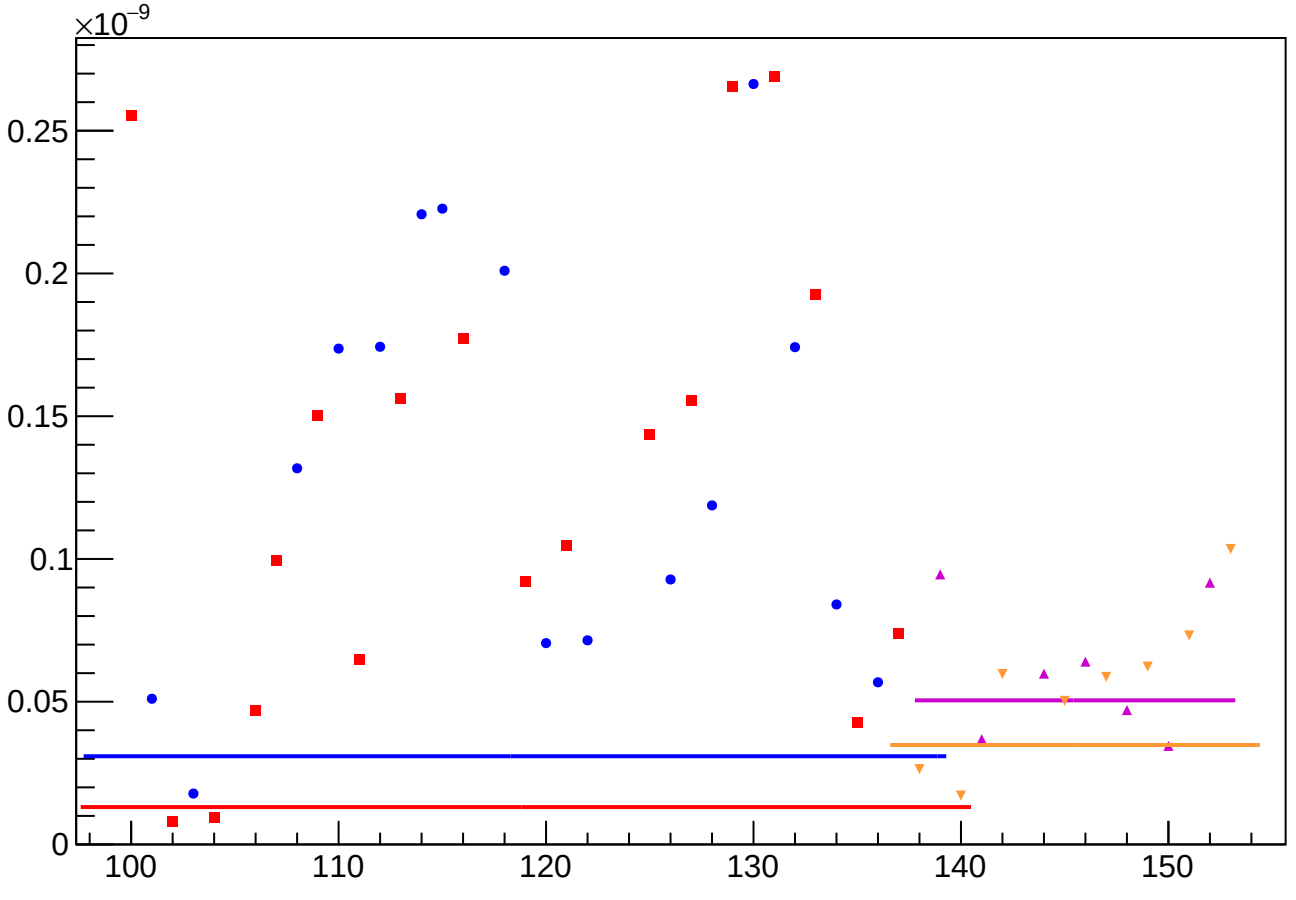
Left: -0.000+/-0.000 χ^2/NDF: 28.0/14

Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: -0.000+/-0.000 χ^2/NDF:20.8/22

Out: -0.000+/-0.000 χ^2/NDF:36.3/25

All: -0.000+/-0.000 χ^2/NDF: 57.1/48



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1316285.2/7

Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:582704.0/6

Left: 0.000+/-0.000 χ^2/NDF: 2150235.7/14

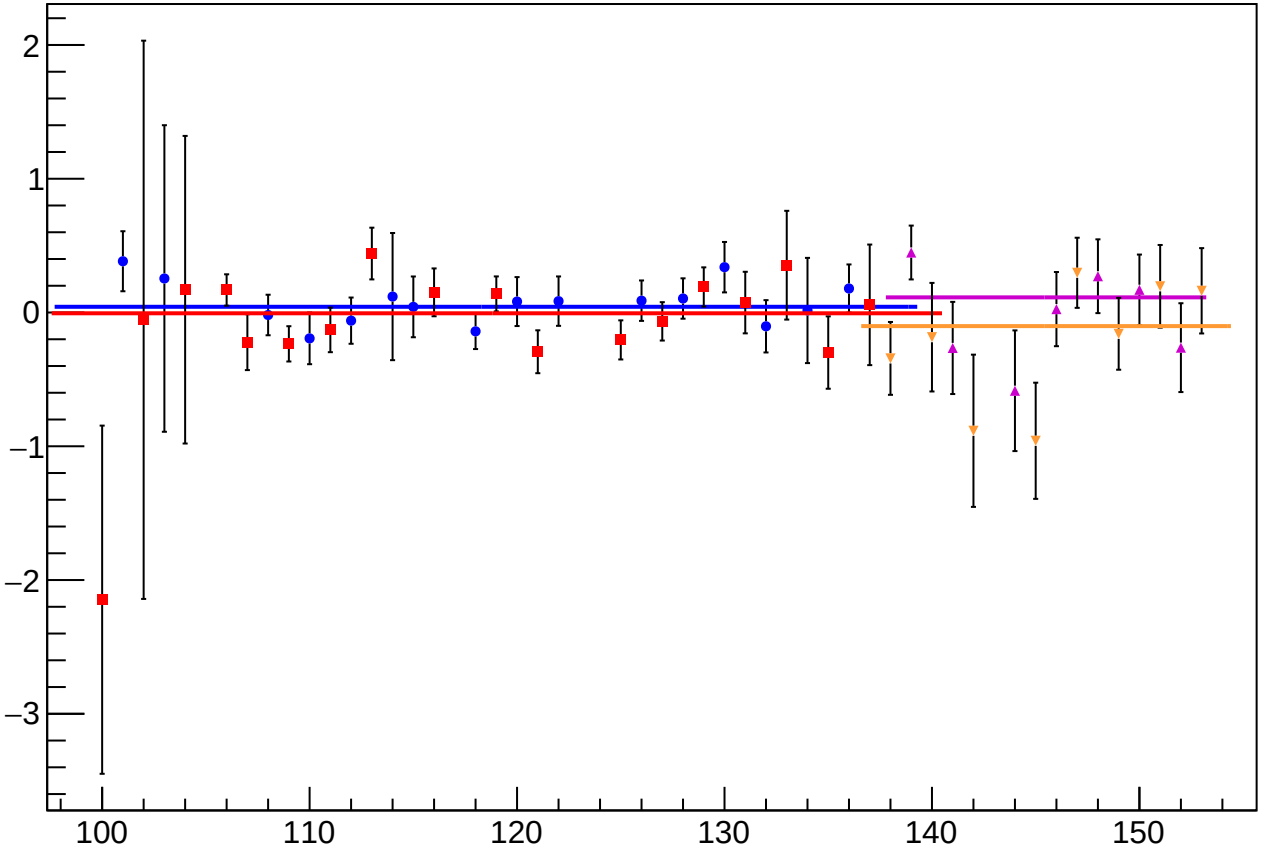
Right: 0.000+/-0.000 χ^2/NDF: 7385142.0/33

In: 0.000+/-0.000 χ^2/NDF:3995546.7/22

Out: 0.000+/-0.000 χ^2/NDF:5950730.4/25

All: 0.000+/-0.000 χ^2/NDF: 11256759.1/48

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: -0.102+/-0.114 χ^2/NDF:10.6/7

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.113+/-0.107 χ^2/NDF:8.1/6

Left: 0.013+/-0.078 χ^2/NDF: 20.6/14

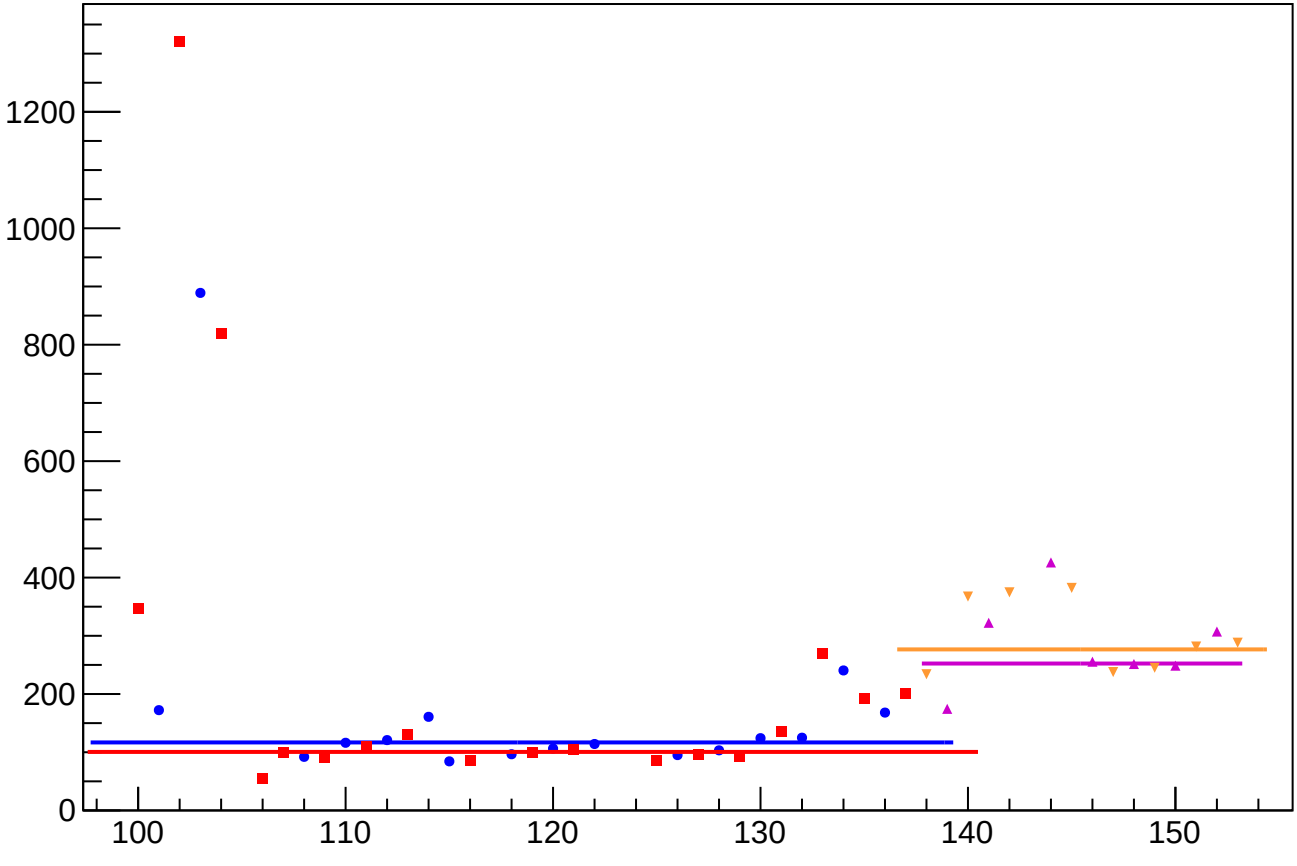
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.054+/-0.043 χ^2/NDF:18.8/22

Out: -0.018+/-0.041 χ^2/NDF:37.2/25

All: 0.016+/-0.030 χ^2/NDF: 57.5/48

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 276.640+/-0.081 χ^2/NDF:401466.9/7

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 252.367+/-0.076 χ^2/NDF:733162.8/6

Left: 263.691+/-0.055 χ^2/NDF: 1182814.4/14

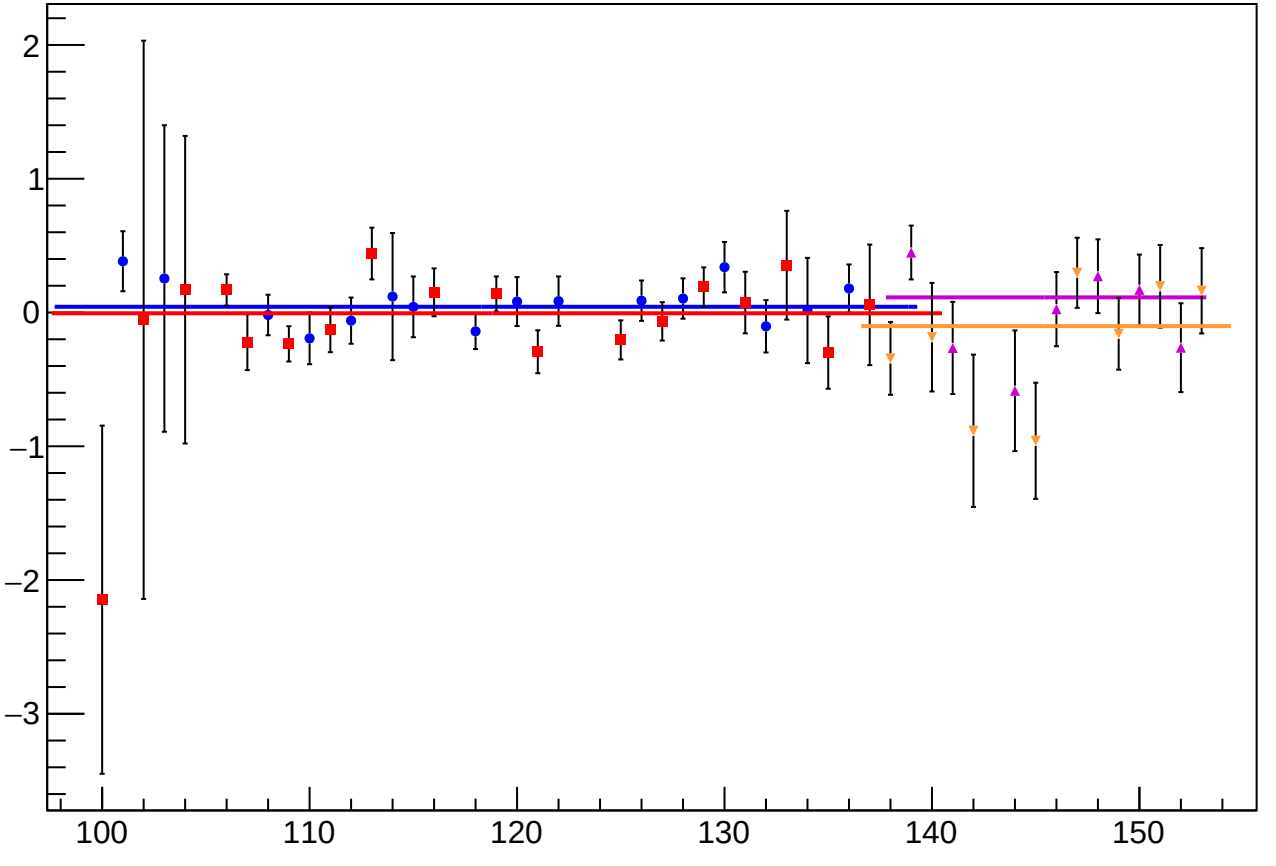
Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 139.190+/-0.031 χ^2/NDF:5042768.3/22

Out: 122.745+/-0.029 χ^2/NDF:7220441.6/25

All: 130.415+/-0.021 χ^2/NDF: 12416615.9/48

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: -0.102+/-0.114 χ^2/NDF:10.6/7

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.113+/-0.107 χ^2/NDF:8.1/6

Left: 0.013+/-0.078 χ^2/NDF: 20.6/14

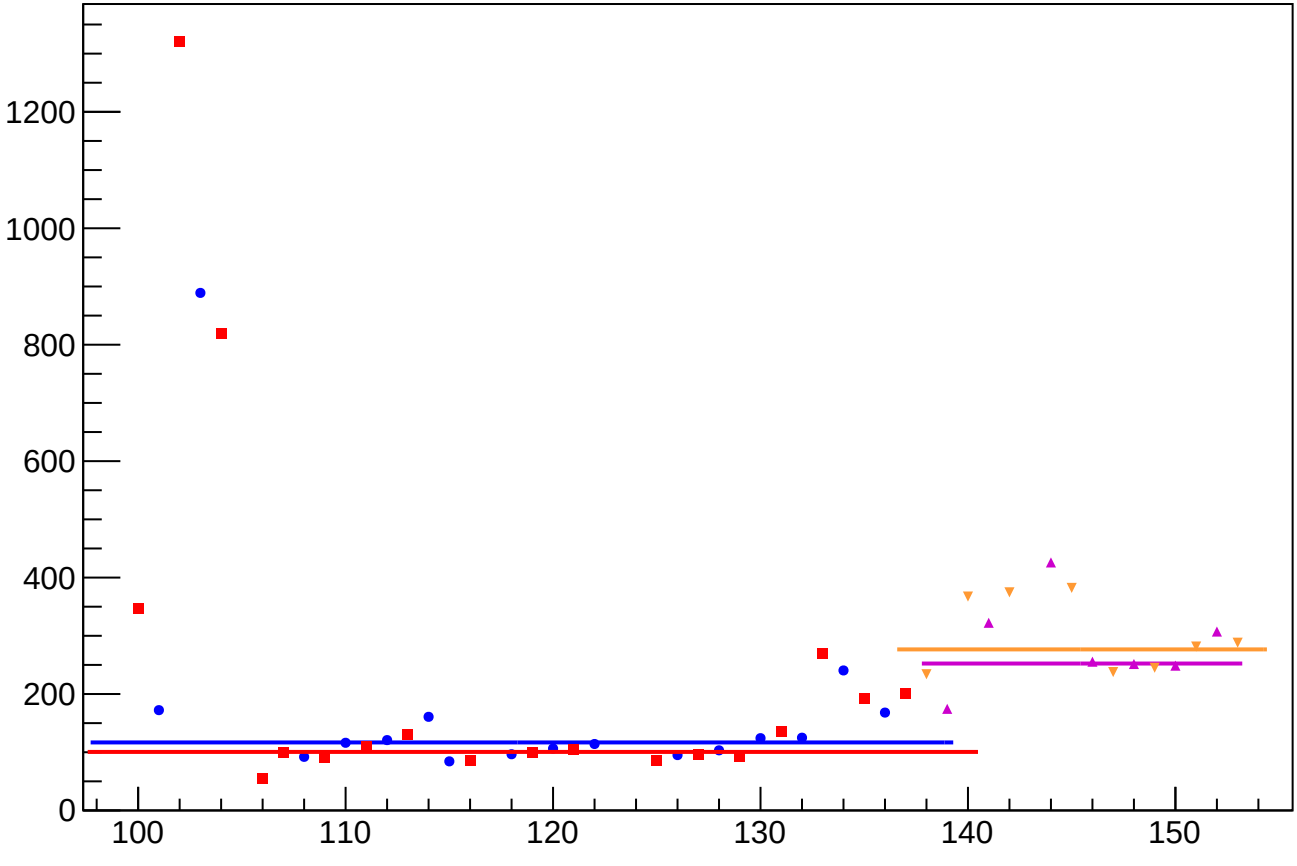
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.054+/-0.043 χ^2/NDF:18.8/22

Out: -0.018+/-0.041 χ^2/NDF:37.2/25

All: 0.016+/-0.030 χ^2/NDF: 57.5/48

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 276.640+/-0.081 χ^2/NDF:401466.9/7

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 252.367+/-0.076 χ^2/NDF:733162.8/6

Left: 263.691+/-0.055 χ^2/NDF: 1182814.4/14

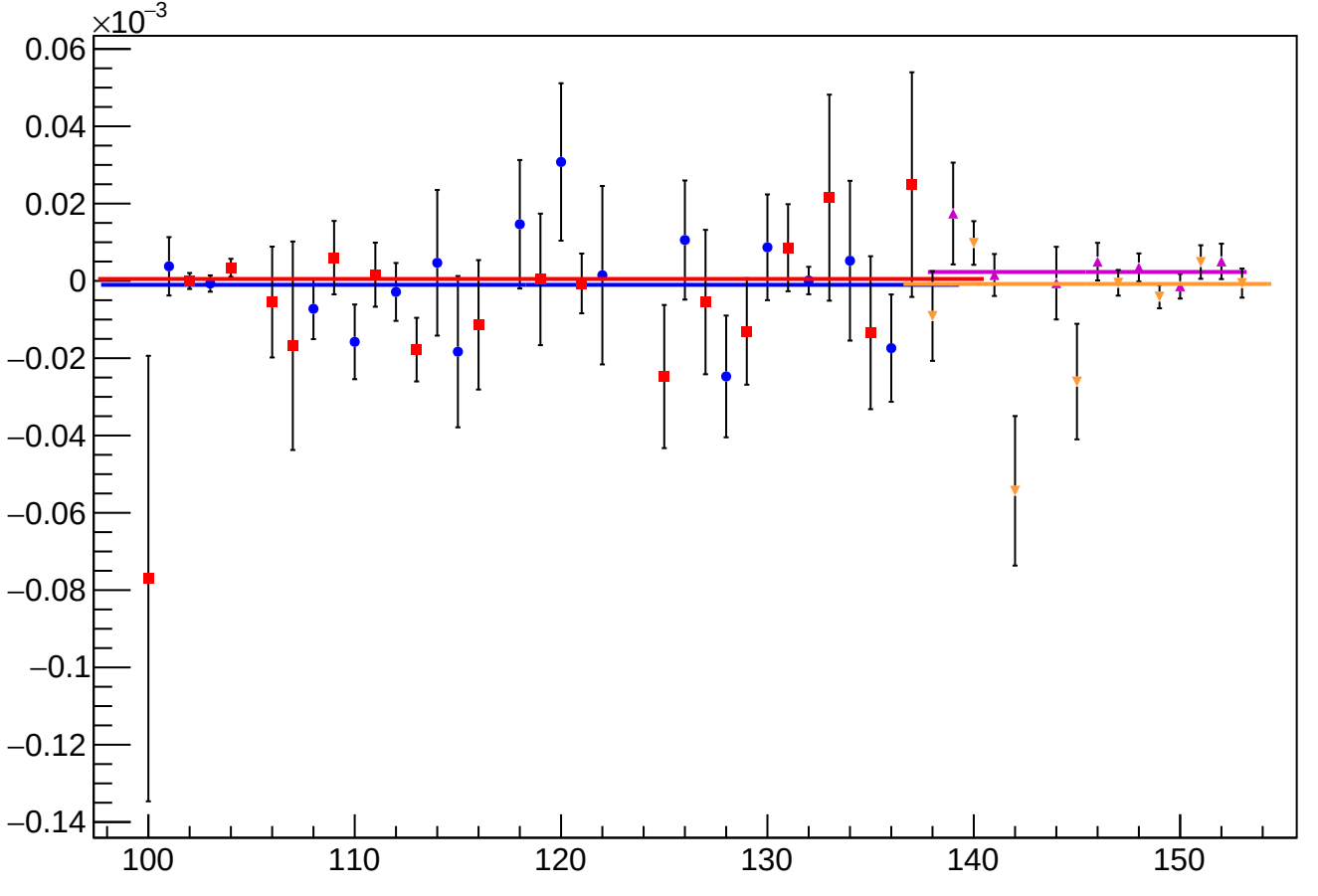
Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 139.190+/-0.031 χ^2/NDF:5042768.3/22

Out: 122.745+/-0.029 χ^2/NDF:7220441.6/25

All: 130.415+/-0.021 χ^2/NDF: 12416615.9/48

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: 0.000+/-0.000 χ^2/NDF:3.5/6

Left: 0.000+/-0.000 χ^2/NDF: 22.6/14

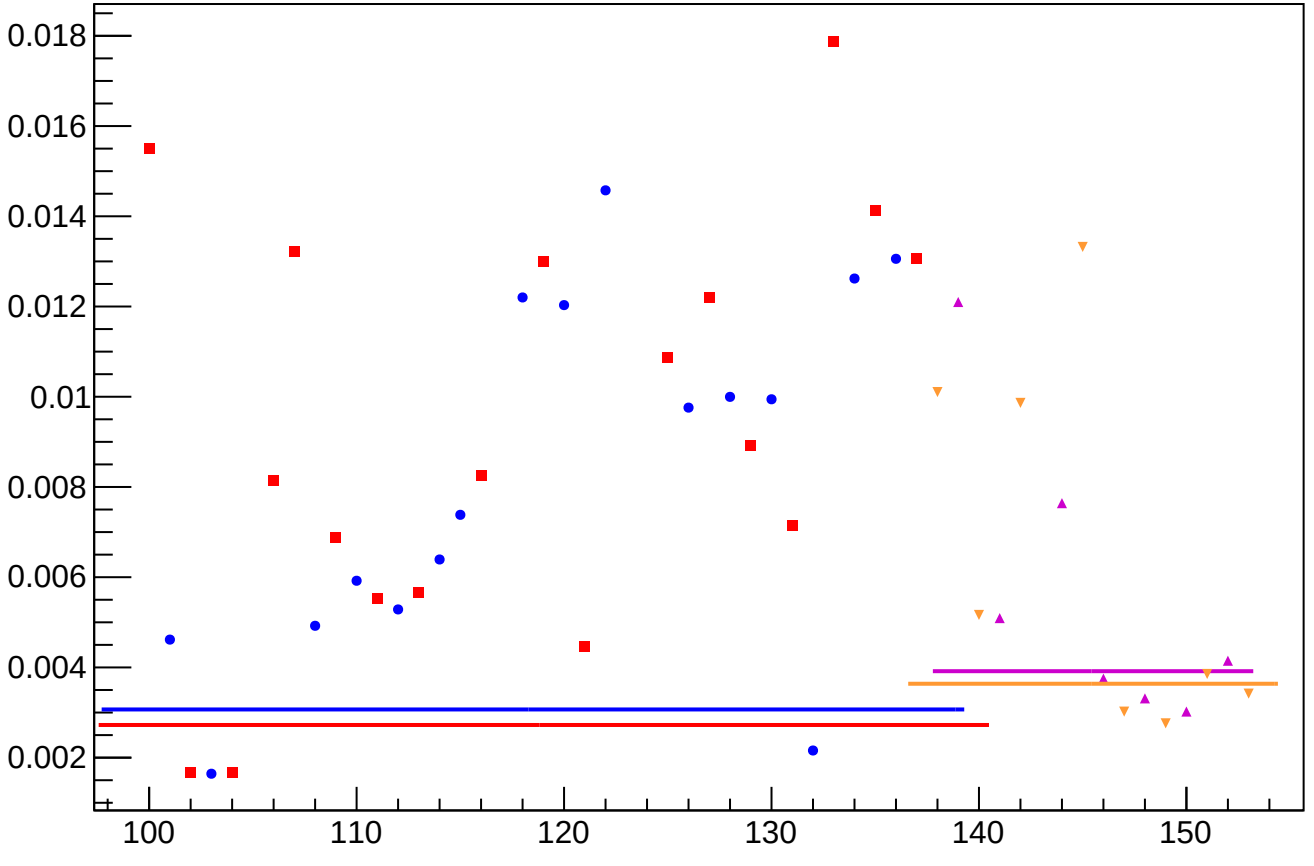
Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: 0.000+/-0.000 χ^2/NDF:18.0/22

Out: -0.000+/-0.000 χ^2/NDF:32.9/25

All: 0.000+/-0.000 χ^2/NDF: 51.0/48

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:2063171.2/7

Right Out: 0.003+/-0.000 χ^2/NDF: 6713699.1/17

Left In: 0.004+/-0.000 χ^2/NDF:1400087.2/6

Left: 0.004+/-0.000 χ^2/NDF: 3489605.3/14

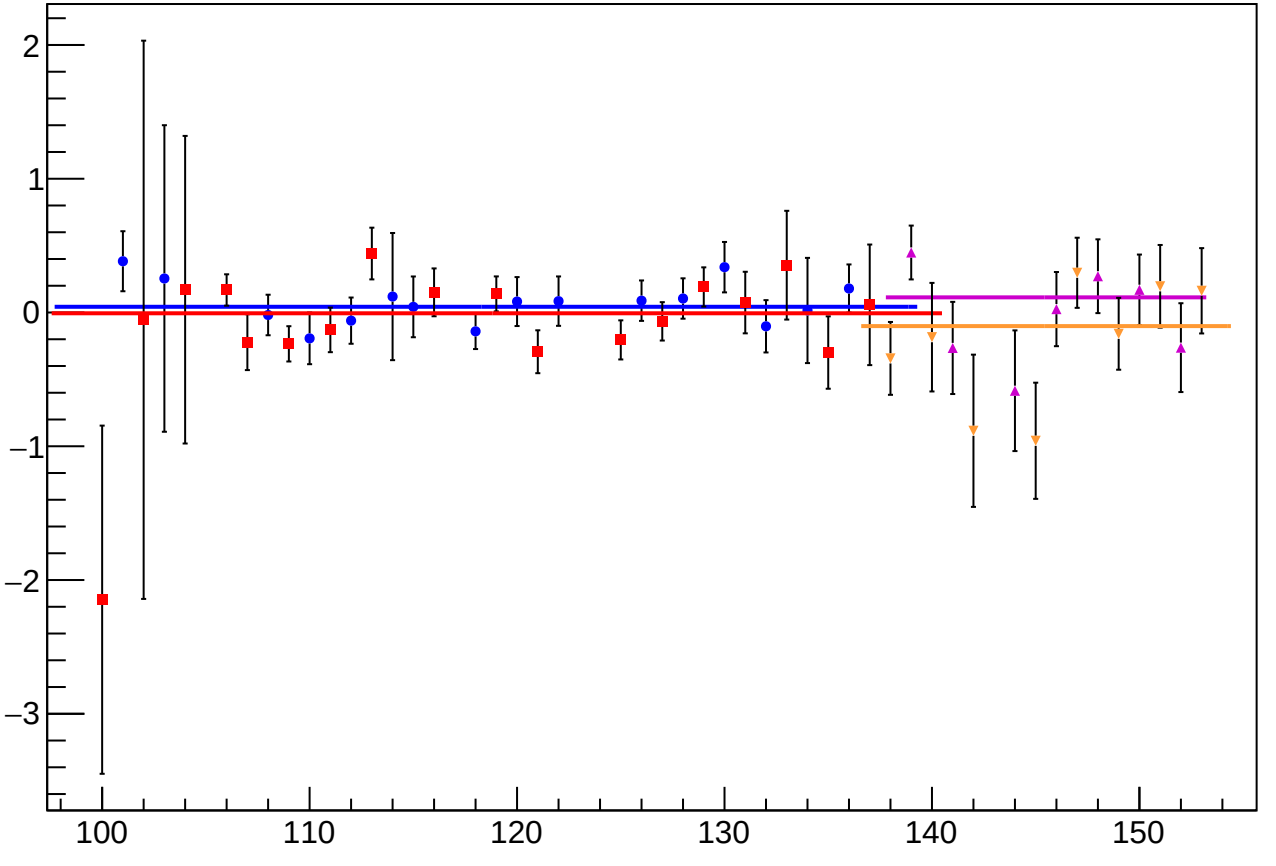
Right: 0.003+/-0.000 χ^2/NDF: 12731216.4/33

In: 0.003+/-0.000 χ^2/NDF:7617910.6/22

Out: 0.003+/-0.000 χ^2/NDF:9135736.9/25

All: 0.003+/-0.000 χ^2/NDF: 16842253.2/48

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: -0.102+/-0.114 χ^2/NDF:10.6/7

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.113+/-0.107 χ^2/NDF:8.1/6

Left: 0.013+/-0.078 χ^2/NDF: 20.6/14

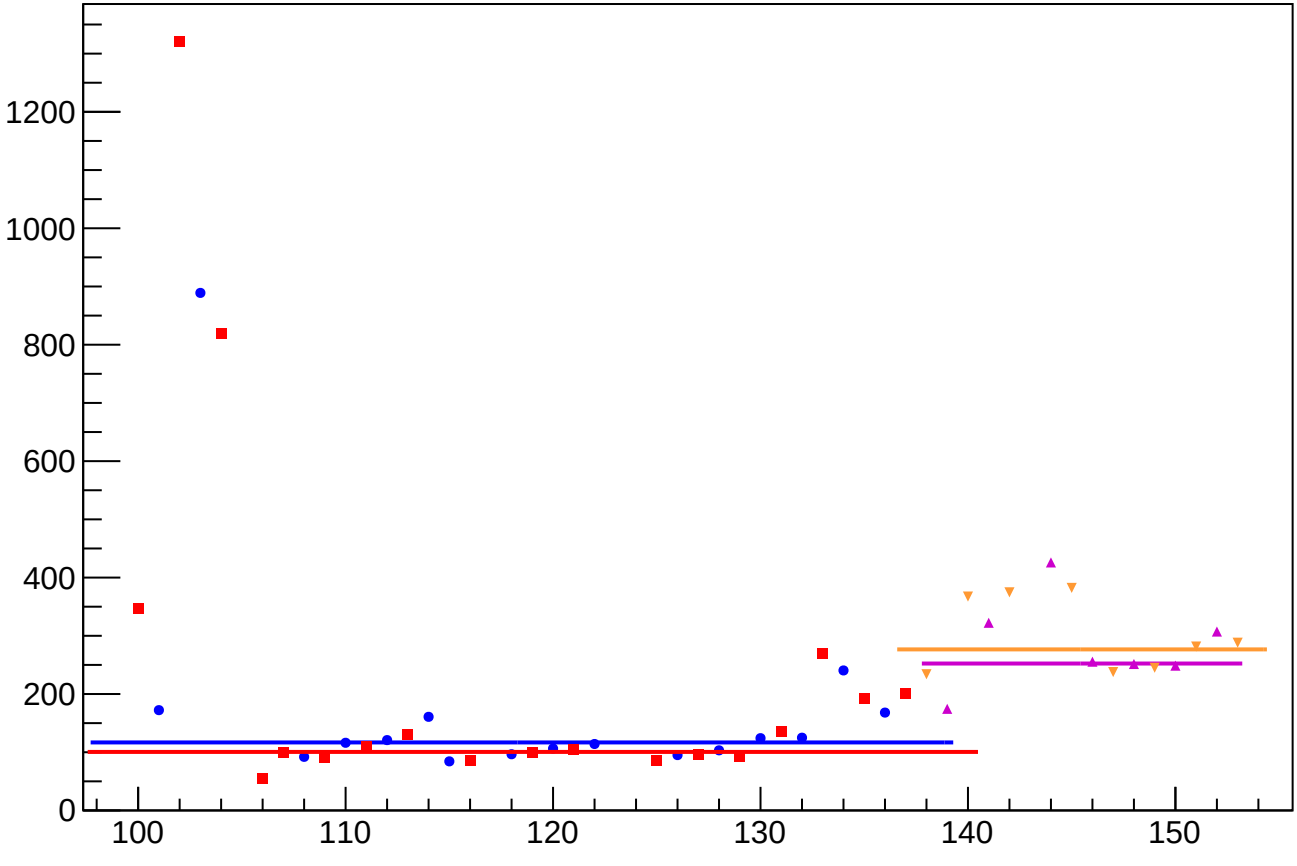
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.054+/-0.043 χ^2/NDF:18.8/22

Out: -0.018+/-0.041 χ^2/NDF:37.2/25

All: 0.016+/-0.030 χ^2/NDF: 57.5/48

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 276.642+/-0.081 χ^2/NDF:401468.7/7

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 252.371+/-0.076 χ^2/NDF:733128.7/6

Left: 263.695+/-0.055 χ^2/NDF: 1182776.3/14

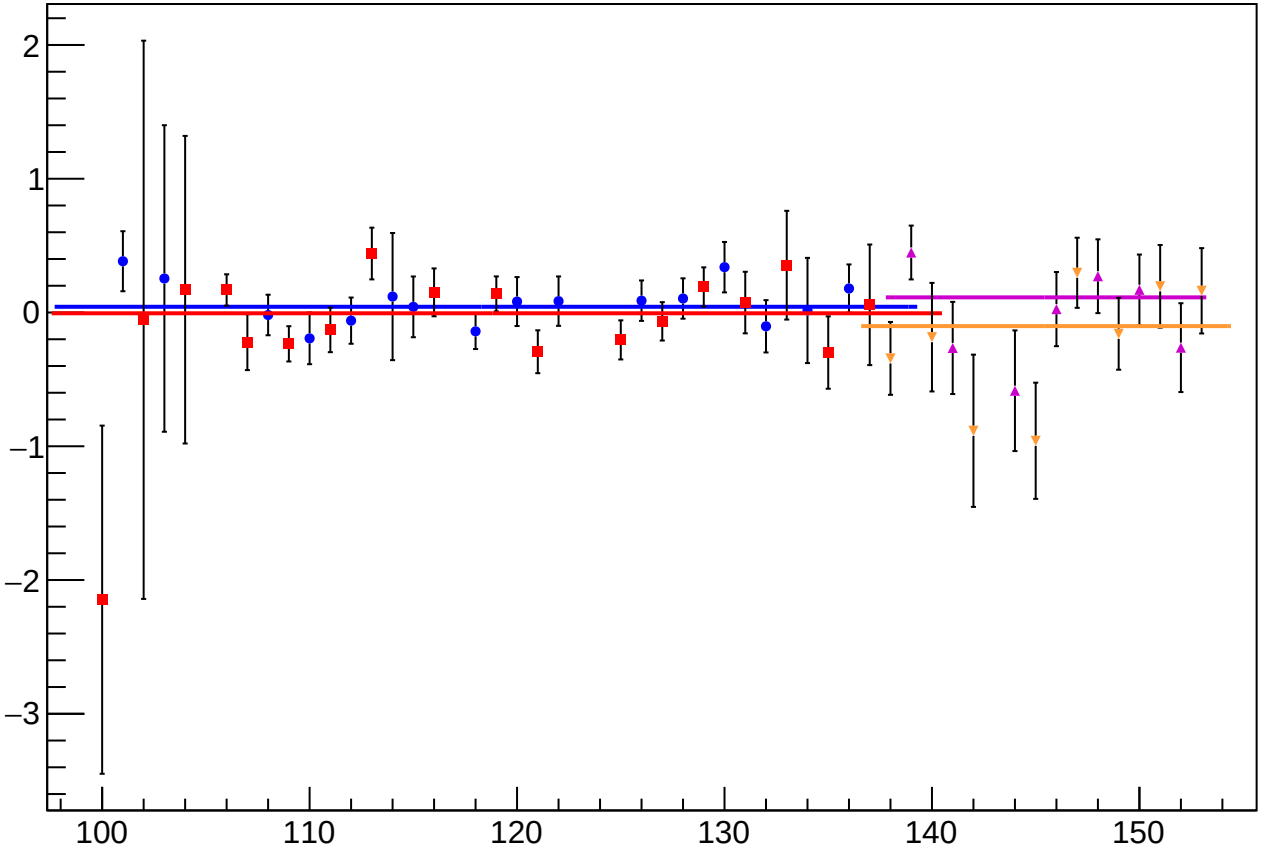
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 139.190+/-0.031 χ^2/NDF:5042826.2/22

Out: 122.744+/-0.029 χ^2/NDF:7220626.9/25

All: 130.415+/-0.021 χ^2/NDF: 12416880.1/48

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: -0.102+/-0.114 χ^2/NDF:10.6/7

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.113+/-0.107 χ^2/NDF:8.1/6

Left: 0.013+/-0.078 χ^2/NDF: 20.6/14

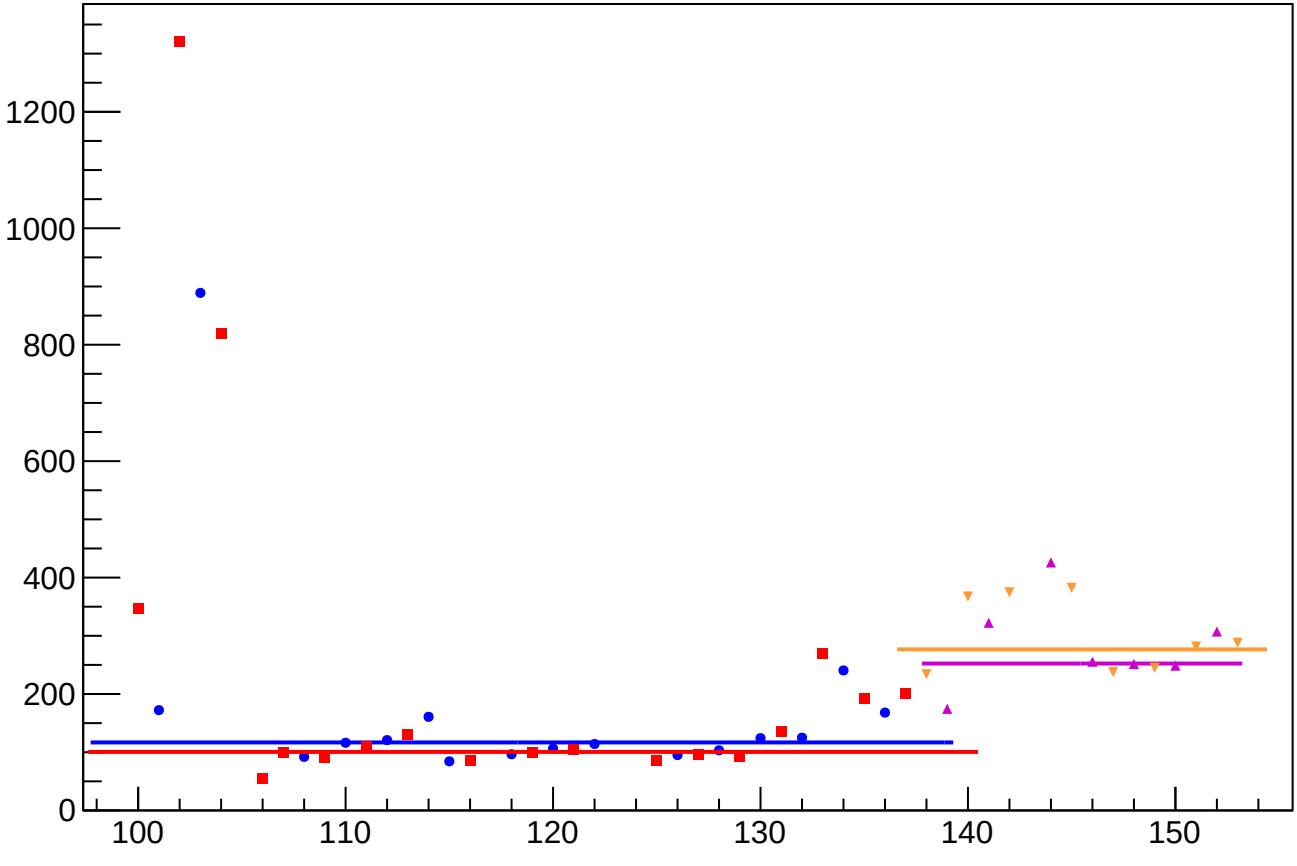
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.054+/-0.043 χ^2/NDF:18.8/22

Out: -0.018+/-0.041 χ^2/NDF:37.2/25

All: 0.016+/-0.030 χ^2/NDF: 57.5/48

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: 276.642+/-0.081 χ^2/NDF:401468.7/7

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 252.371+/-0.076 χ^2/NDF:733128.7/6

Left: 263.695+/-0.055 χ^2/NDF: 1182776.3/14

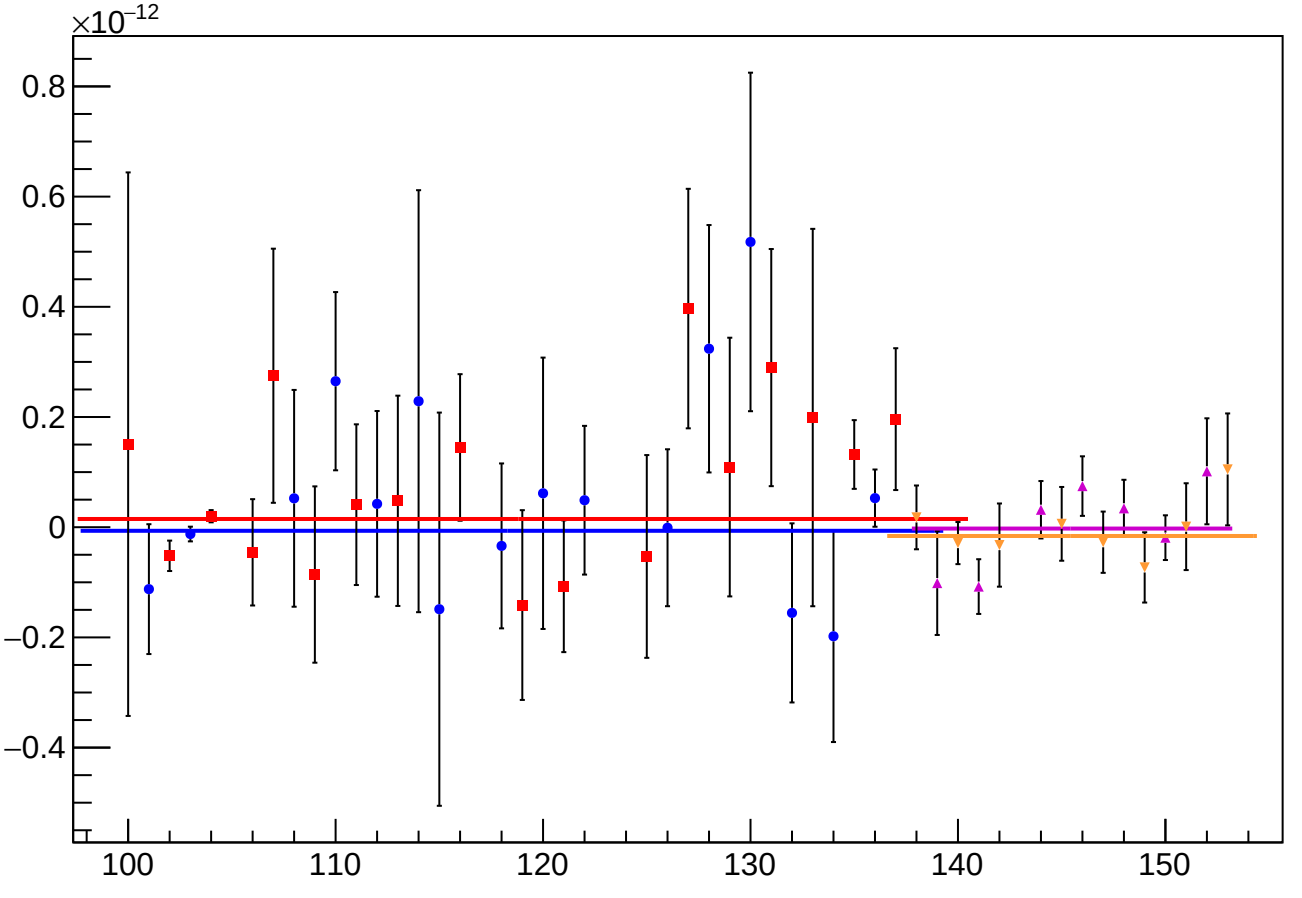
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 139.190+/-0.031 χ^2/NDF:5042826.2/22

Out: 122.744+/-0.029 χ^2/NDF:7220626.9/25

All: 130.415+/-0.021 χ^2/NDF: 12416880.1/48

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:2.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/17

Left In: -0.000+/-0.000 χ^2/NDF:9.9/6

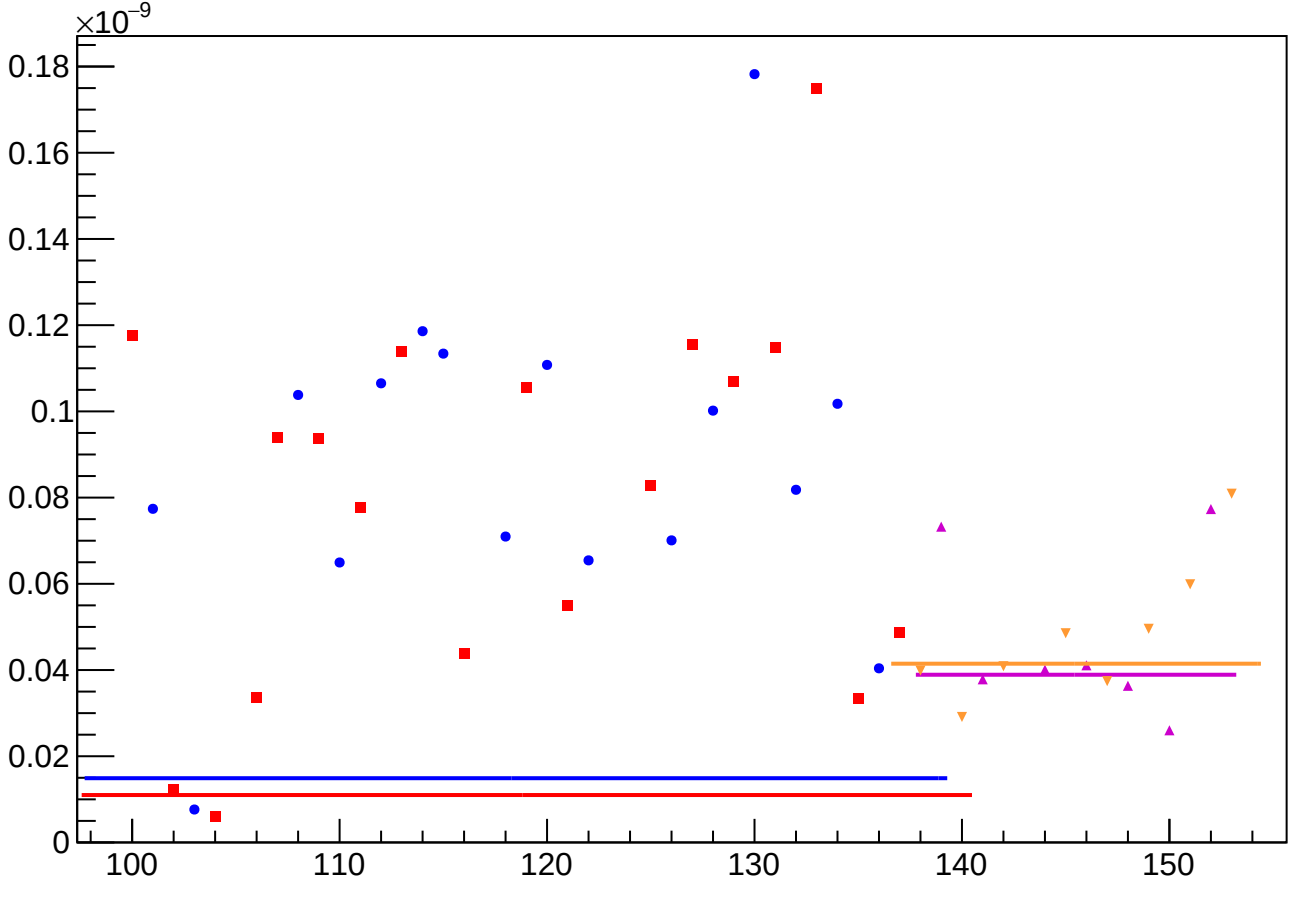
Left: -0.000+/-0.000 χ^2/NDF: 13.0/14

Right: 0.000+/-0.000 χ^2/NDF: 36.7/33

In: -0.000+/-0.000 χ^2/NDF:23.0/22

Out: 0.000+/-0.000 χ^2/NDF:26.5/25

All: 0.000+/-0.000 χ^2/NDF: 50.6/48



Right In: 0.000+/-0.000 χ^2/NDF: 5893030.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:686926.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 5866969.2/17

Left In: 0.000+/-0.000 χ^2/NDF:797104.9/6

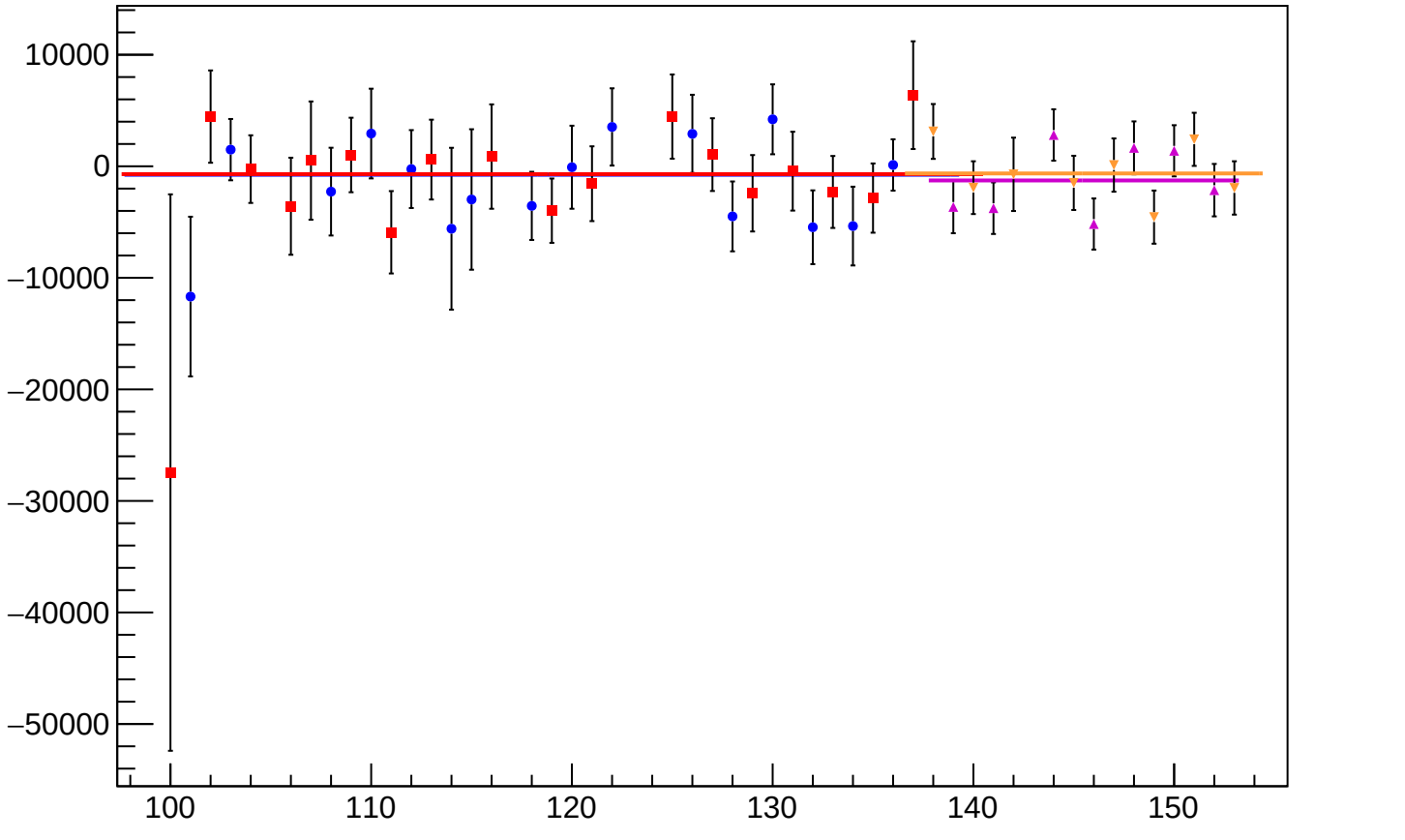
Left: 0.000+/-0.000 χ^2/NDF: 1498894.5/14

Right: 0.000+/-0.000 χ^2/NDF: 11880361.2/33

In: 0.000+/-0.000 χ^2/NDF:8652528.1/22

Out: 0.000+/-0.000 χ^2/NDF:9928200.8/25

All: 0.000+/-0.000 χ^2/NDF: 18822856.1/48



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -642.780+/-874.222 χ^2/NDF:7.5/7

Right Out: -702.198+/-868.647 χ^2/NDF: 12.4/17

Left In: -1270.363+/-879.275 χ^2/NDF:11.2/6

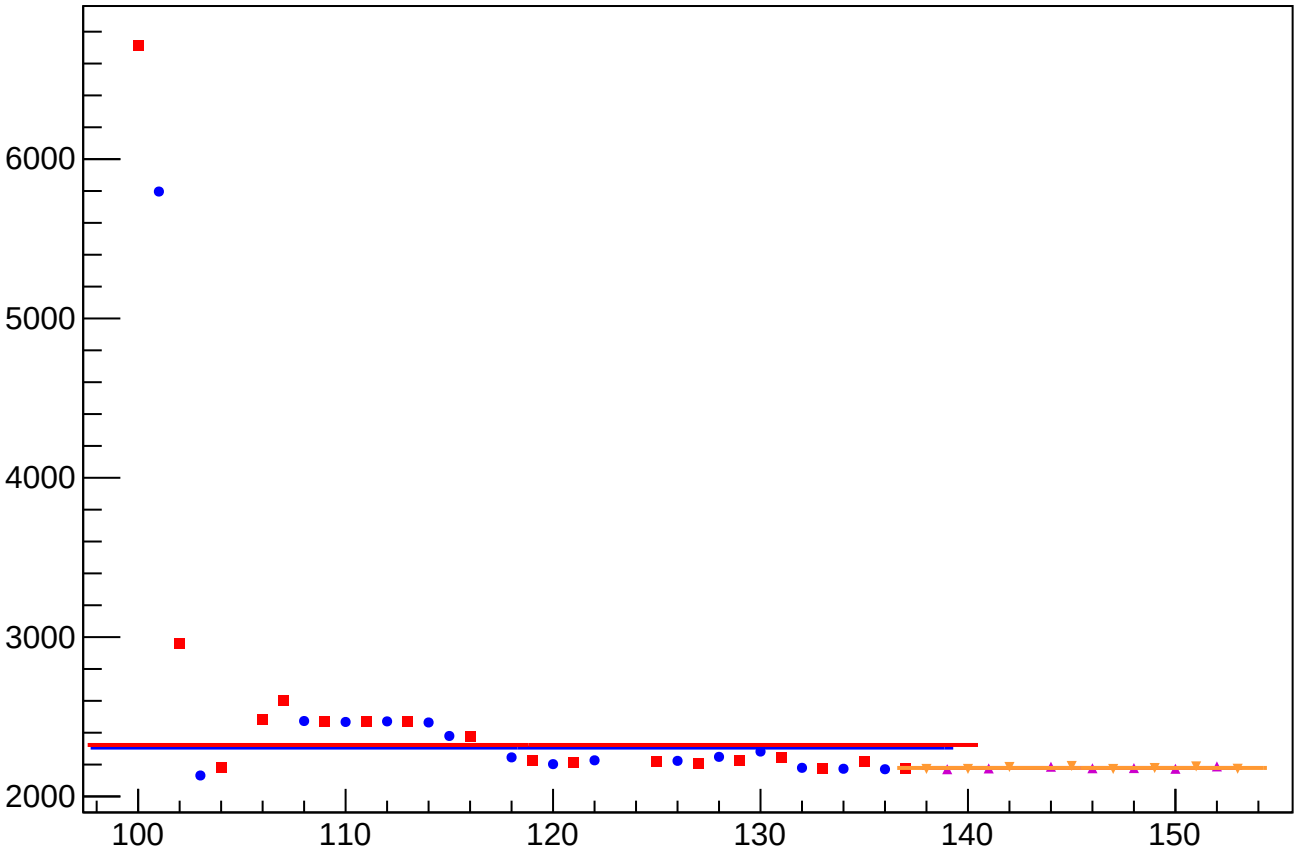
Left: -954.763+/-619.947 χ^2/NDF: 18.9/14

Right: -728.125+/-615.637 χ^2/NDF: 28.2/33

In: -1010.376+/-619.387 χ^2/NDF:27.2/22

Out: -672.679+/-616.188 χ^2/NDF:19.9/25

All: -840.653+/-436.837 χ^2/NDF: 47.3/48



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2178.867+/-0.618 χ^2/NDF:140.9/7

Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2178.698+/-0.622 χ^2/NDF:93.5/6

Left: 2178.783+/-0.438 χ^2/NDF: 234.4/14

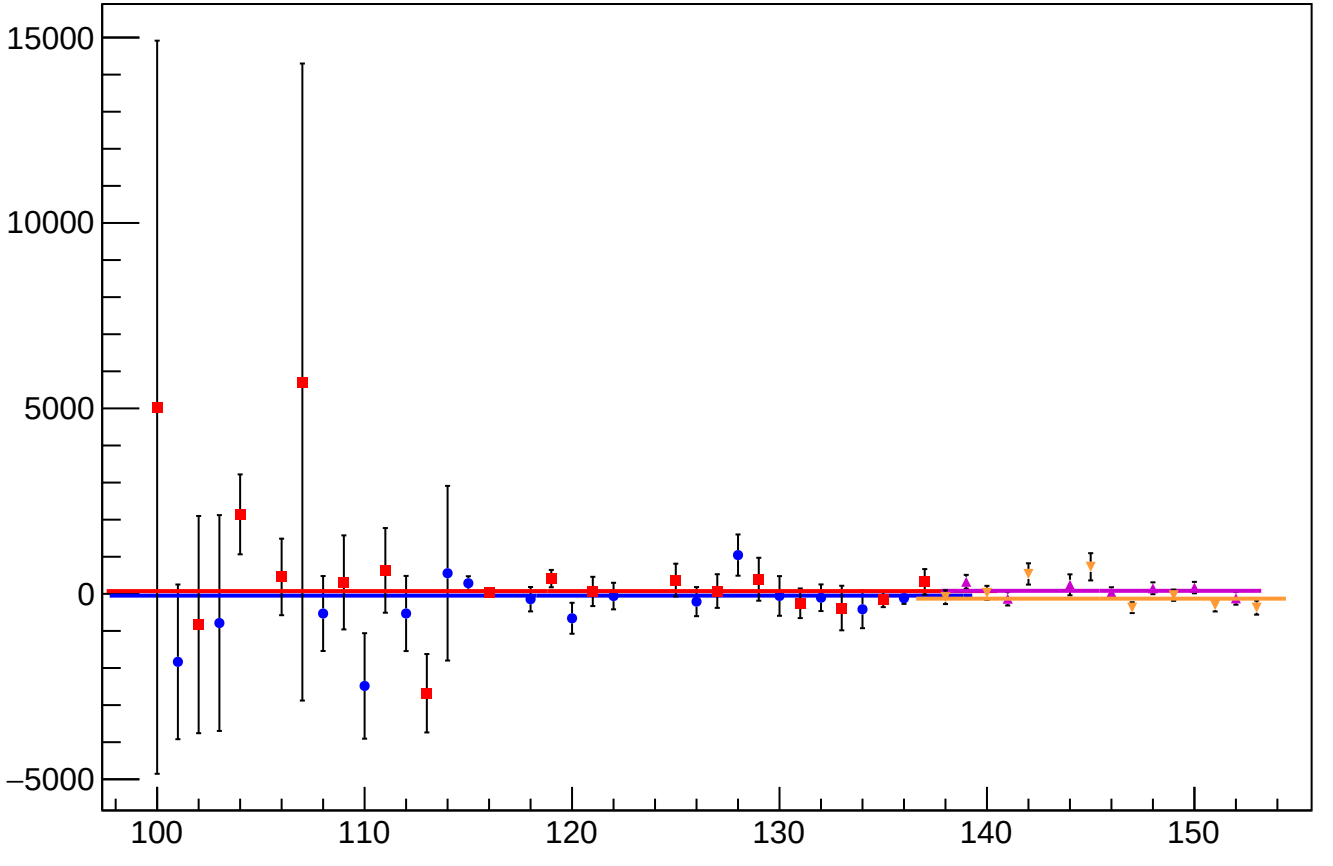
Right: 2314.864+/-0.435 χ^2/NDF: 666290.7/33

In: 2243.154+/-0.438 χ^2/NDF:535577.7/22

Out: 2251.400+/-0.436 χ^2/NDF:179287.8/25

All: 2247.299+/-0.309 χ^2/NDF: 715043.7/48

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: -129.649+/-66.201 χ^2/NDF:17.4/7

Right Out: 74.200+/-82.384 χ^2/NDF: 17.6/17

Left In: 81.472+/-64.916 χ^2/NDF:5.4/6

Left: -22.019+/-46.350 χ^2/NDF: 27.9/14

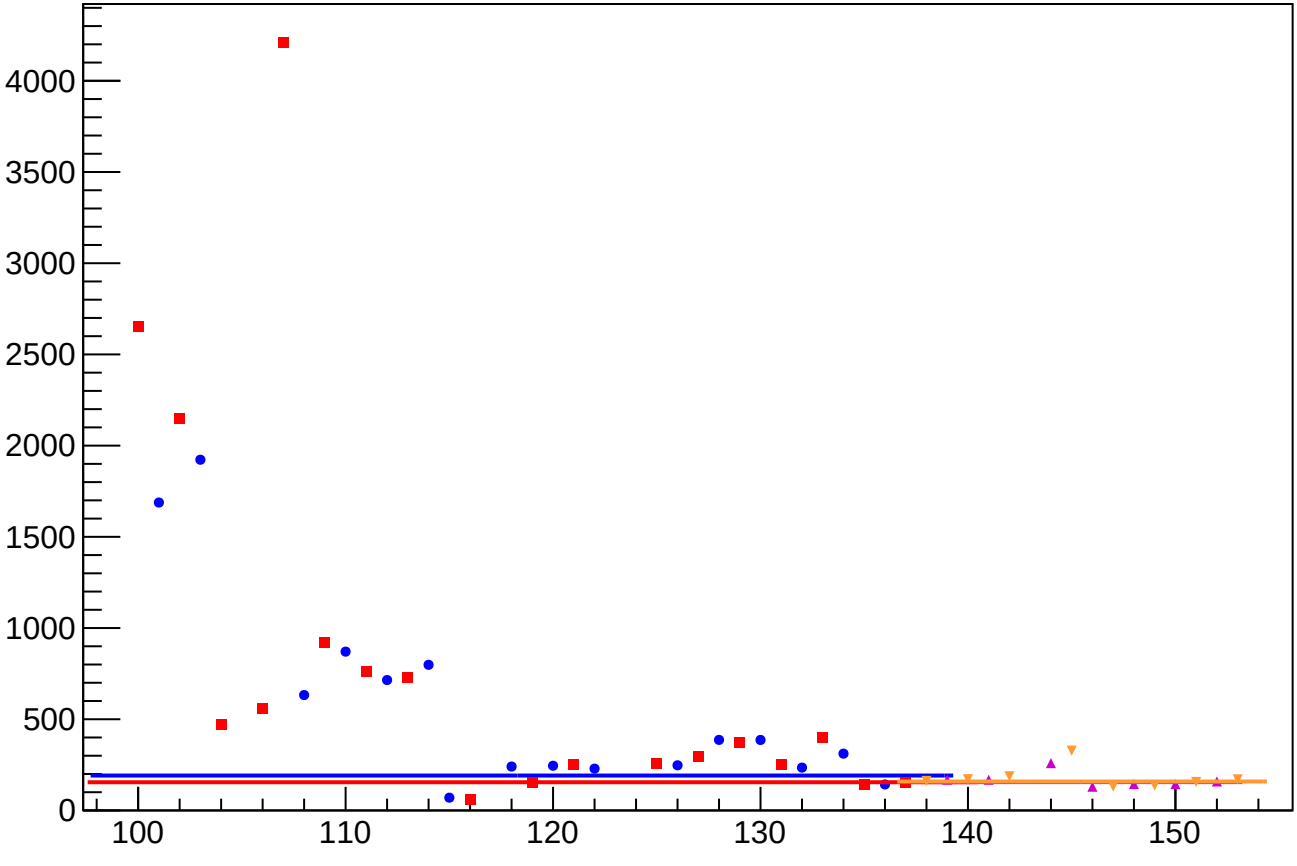
Right: 19.134+/-61.048 χ^2/NDF: 33.0/33

In: 37.777+/-52.830 χ^2/NDF:21.1/22

Out: -49.666+/-51.604 χ^2/NDF:38.7/25

All: -6.971+/-36.916 χ^2/NDF: 61.2/48

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: 158.725+/-0.047 χ^2/NDF:577627.7/7

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

Left In: 155.509+/-0.046 χ^2/NDF:376760.6/6

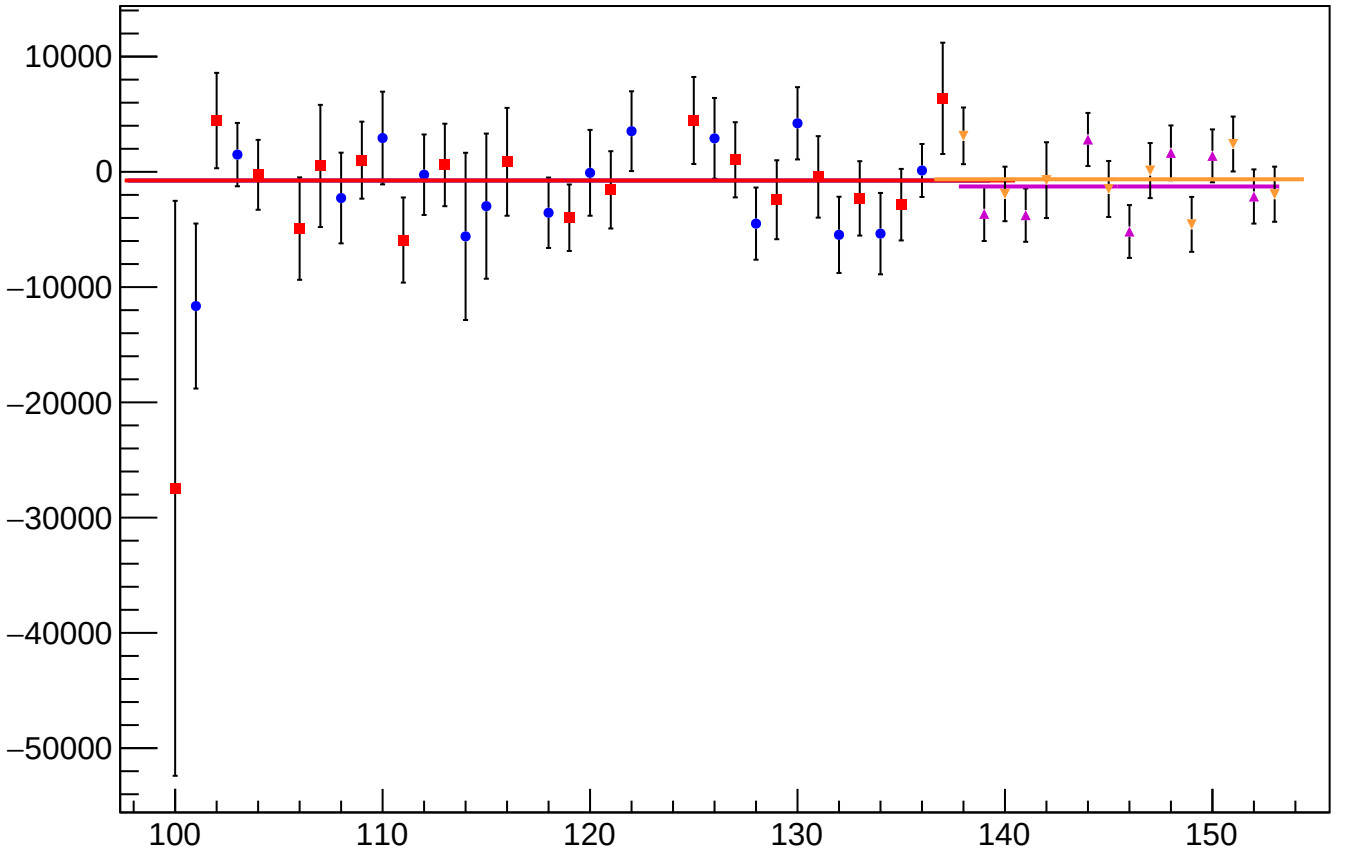
Left: 157.086+/-0.033 χ^2/NDF: 956795.3/14

Right: 171.226+/-0.043 χ^2/NDF: 11398031.5/33

In: 167.622+/-0.037 χ^2/NDF:5647731.6/22

Out: 157.137+/-0.036 χ^2/NDF:6734848.8/25

All: 162.256+/-0.026 χ^2/NDF: 12422895.2/48



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -642.821+/-874.222 χ^2/NDF:7.5/7

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -1270.409+/-879.275 χ^2/NDF:11.2/6

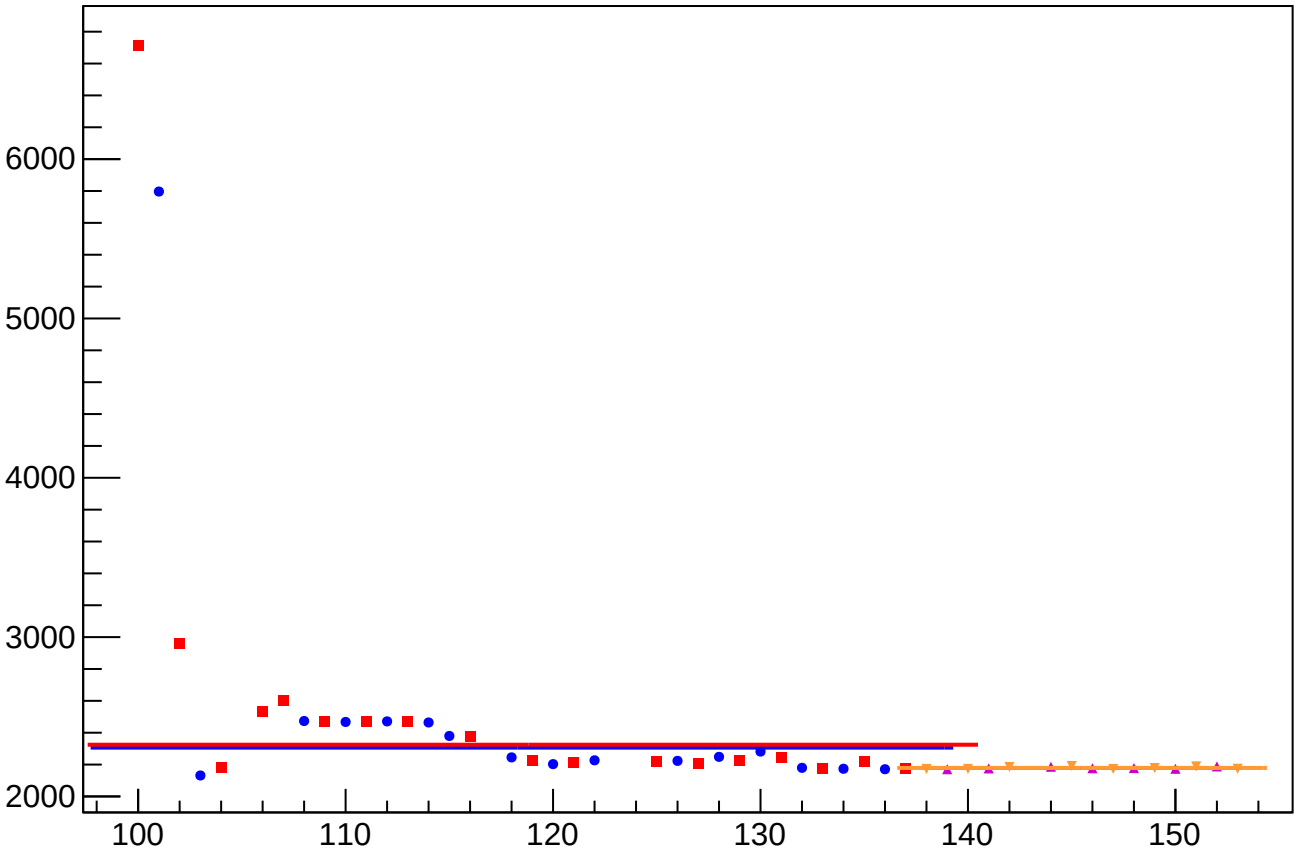
Left: -954.806+/-619.947 χ^2/NDF: 18.9/14

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -1009.910+/-619.387 χ^2/NDF:27.2/22

Out: -696.365+/-616.444 χ^2/NDF:20.3/25

All: -852.391+/-436.928 χ^2/NDF: 47.7/48



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2178.867+/-0.618 χ^2/NDF:140.9/7

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2178.698+/-0.622 χ^2/NDF:93.5/6

Left: 2178.783+/-0.438 χ^2/NDF: 234.4/14

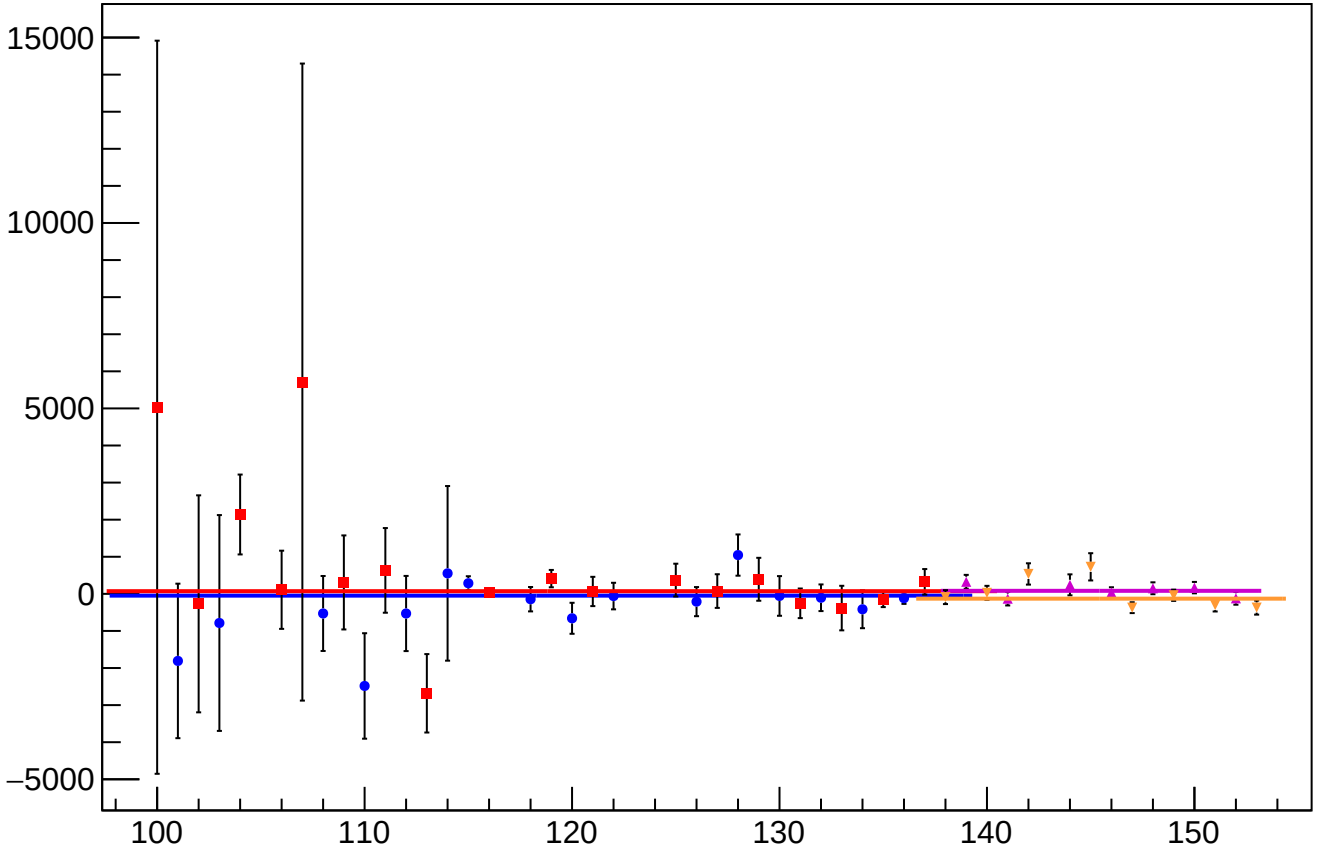
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2243.154+/-0.438 χ^2/NDF:535578.0/22

Out: 2252.182+/-0.436 χ^2/NDF:181695.5/25

All: 2247.690+/-0.309 χ^2/NDF: 717487.0/48

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: -129.608+/-66.202 χ^2/NDF:17.3/7

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 81.444+/-64.921 χ^2/NDF:5.3/6

Left: -22.019+/-46.352 χ^2/NDF: 27.9/14

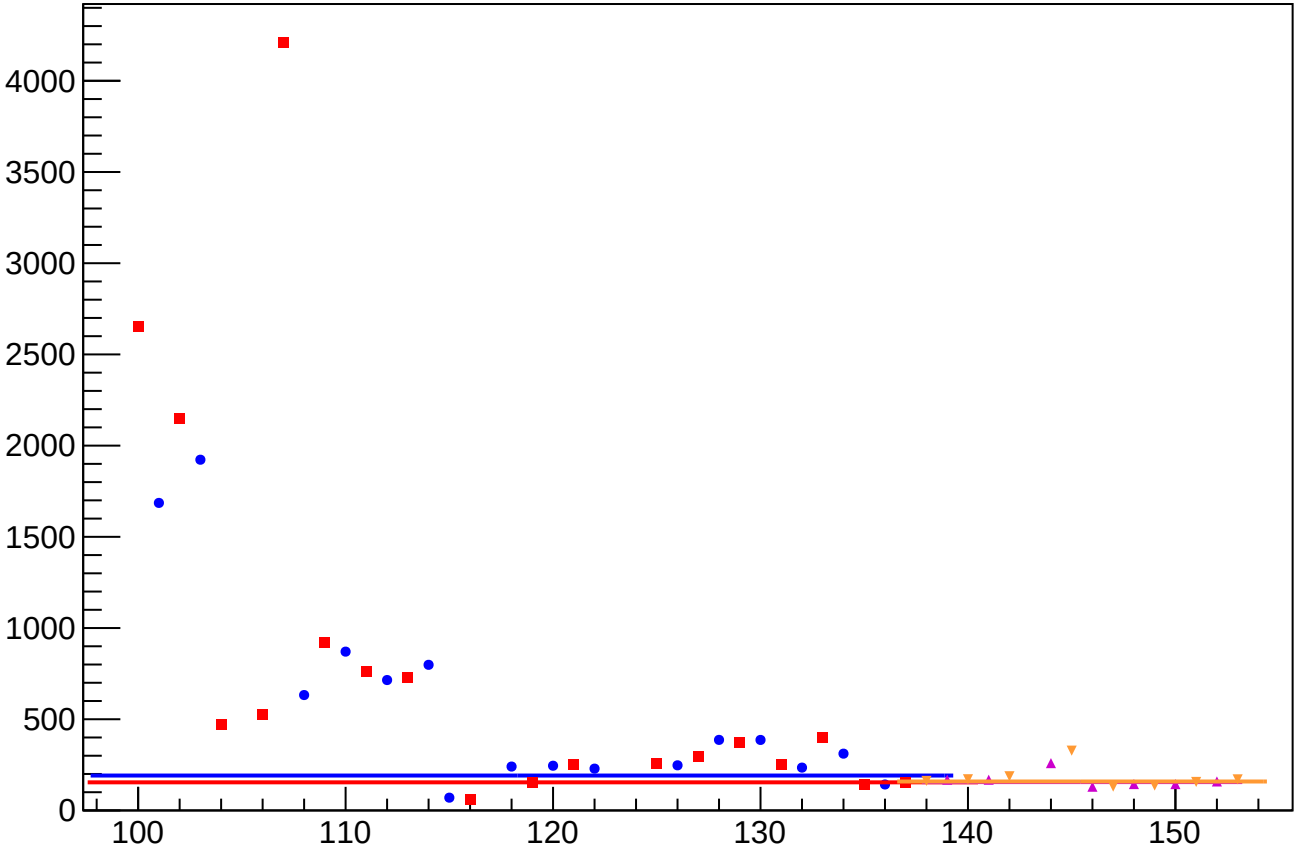
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 37.746+/-52.834 χ^2/NDF:21.0/22

Out: -50.353+/-51.590 χ^2/NDF:38.4/25

All: -7.353+/-36.912 χ^2/NDF: 60.9/48

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: 158.728+/-0.047 χ^2/NDF:577706.4/7

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 155.523+/-0.046 χ^2/NDF:376659.7/6

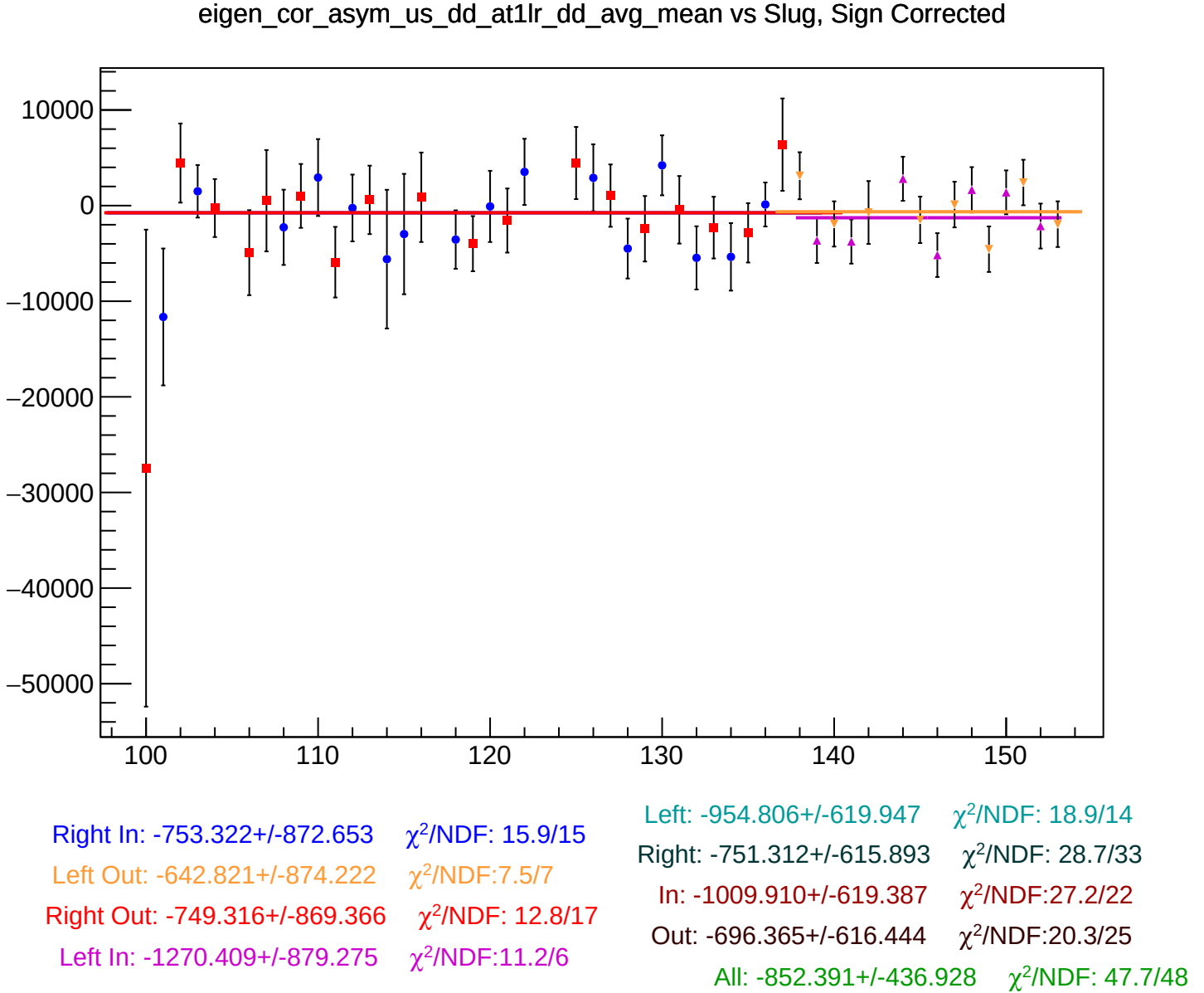
Left: 157.094+/-0.033 χ^2/NDF: 956756.5/14

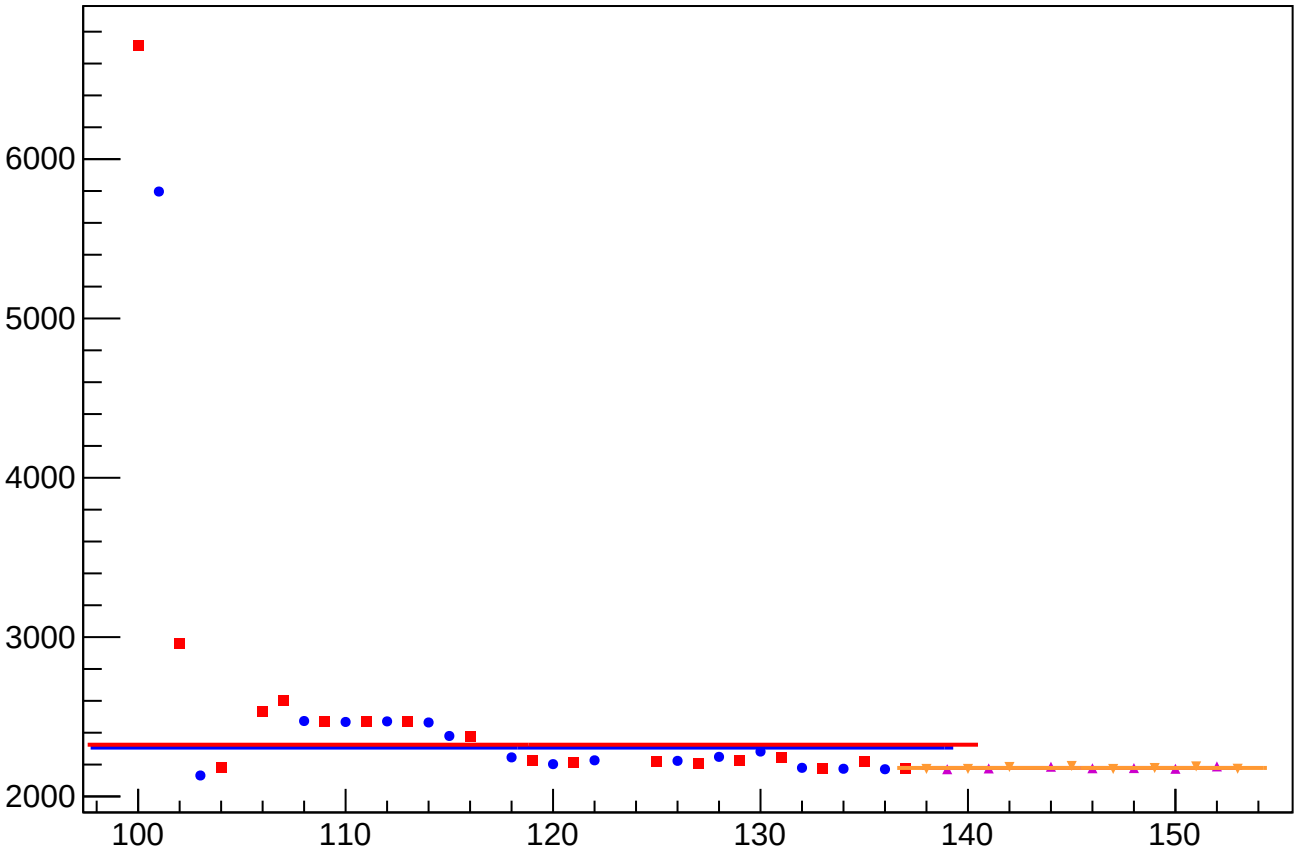
Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 167.640+/-0.037 χ^2/NDF:5646580.4/22

Out: 156.919+/-0.036 χ^2/NDF:6690175.5/25

All: 162.152+/-0.026 χ^2/NDF: 12378910.8/48


eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
Right In: -753.322+/-872.653 χ²/NDF: 15.9/15
Left Out: -642.821+/-874.222 χ²/NDF:7.5/7
Right Out: -749.316+/-869.366 χ²/NDF: 12.8/17
Left In: -1270.409+/-879.275 χ²/NDF:11.2/6
Left: -954.806+/-619.947 χ²/NDF: 18.9/14
Right: -751.312+/-615.893 χ²/NDF: 28.7/33
In: -1009.910+/-619.387 χ²/NDF:27.2/22
Out: -696.365+/-616.444 χ²/NDF:20.3/25
All: -852.391+/-436.928 χ²/NDF: 47.7/48



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2178.867+/-0.618 χ^2/NDF:140.9/7

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2178.698+/-0.622 χ^2/NDF:93.5/6

Left: 2178.783+/-0.438 χ^2/NDF: 234.4/14

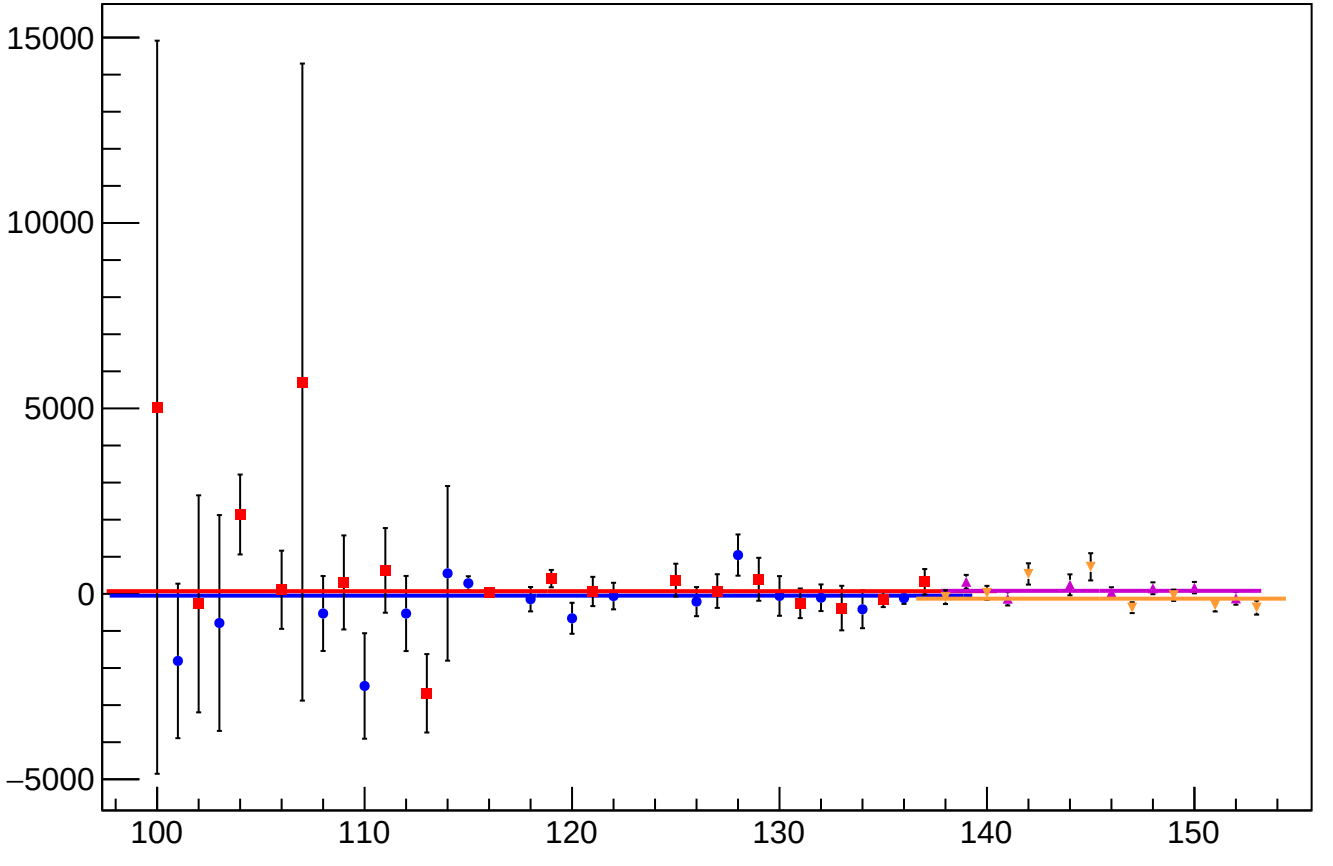
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2243.154+/-0.438 χ^2/NDF:535578.0/22

Out: 2252.182+/-0.436 χ^2/NDF:181695.5/25

All: 2247.690+/-0.309 χ^2/NDF: 717487.0/48

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: -129.608+/-66.202 χ^2/NDF:17.3/7

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 81.444+/-64.921 χ^2/NDF:5.3/6

Left: -22.019+/-46.352 χ^2/NDF: 27.9/14

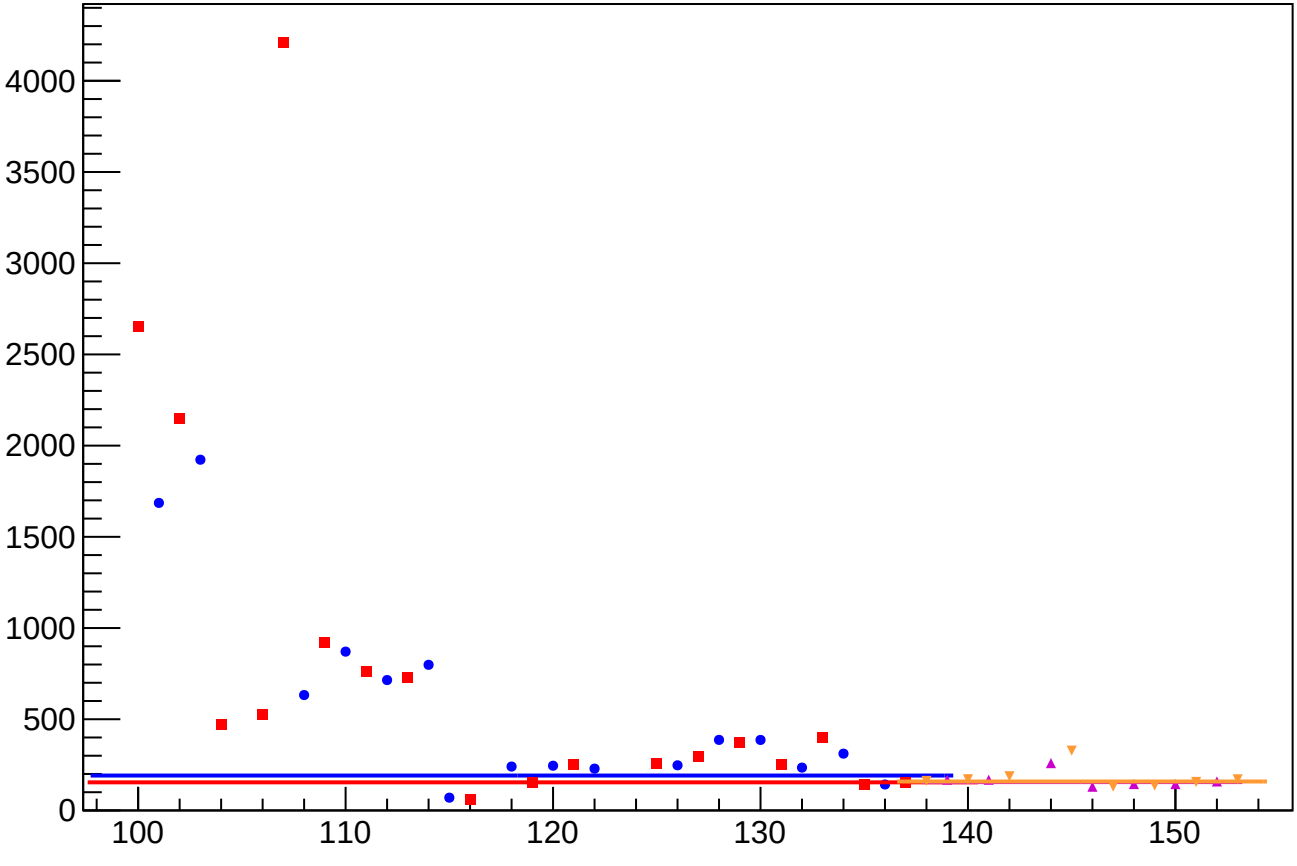
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 37.746+/-52.834 χ^2/NDF:21.0/22

Out: -50.353+/-51.590 χ^2/NDF:38.4/25

All: -7.353+/-36.912 χ^2/NDF: 60.9/48

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: 158.728+/-0.047 χ^2/NDF:577706.4/7

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 155.523+/-0.046 χ^2/NDF:376659.7/6

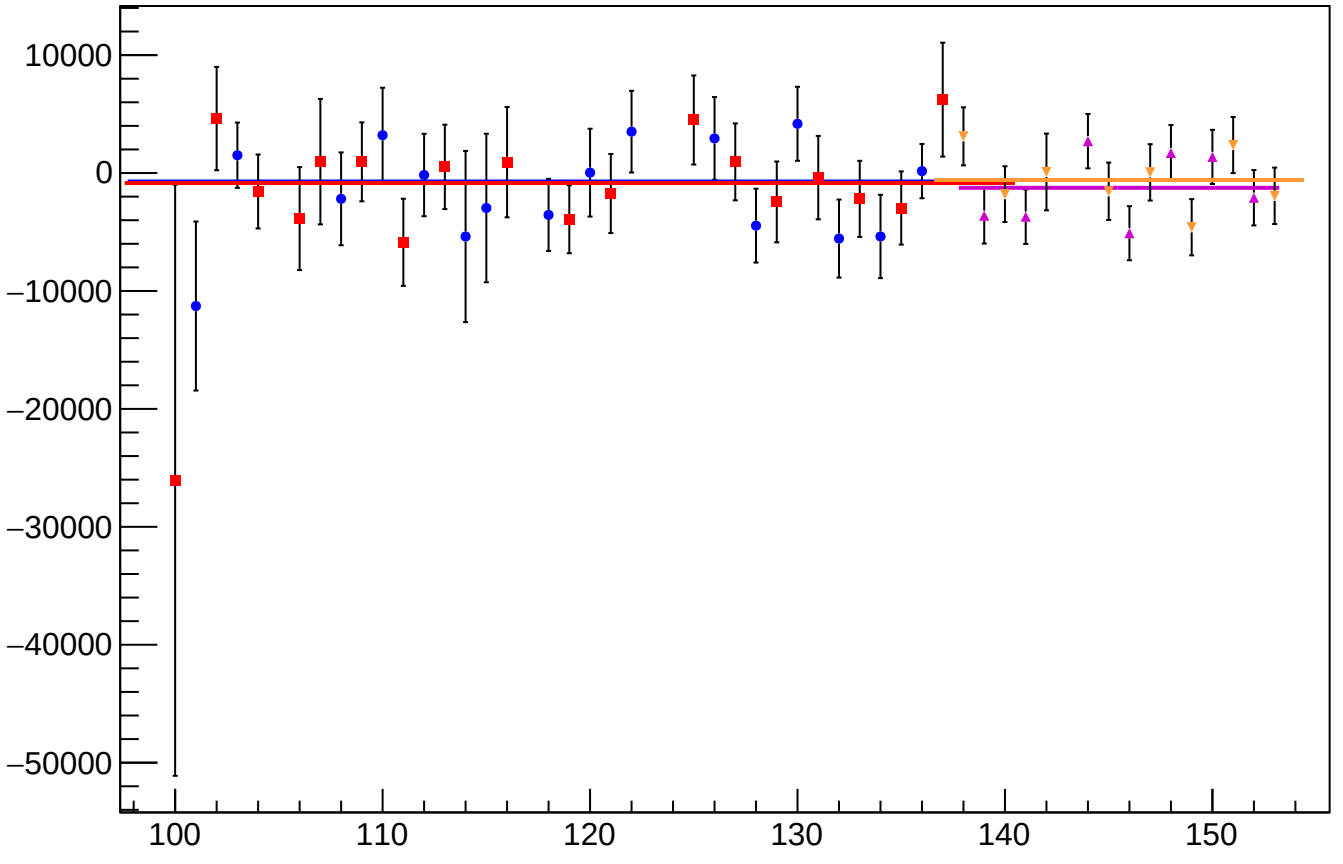
Left: 157.094+/-0.033 χ^2/NDF: 956756.5/14

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 167.640+/-0.037 χ^2/NDF:5646580.4/22

Out: 156.919+/-0.036 χ^2/NDF:6690175.5/25

All: 162.152+/-0.026 χ^2/NDF: 12378910.8/48



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: -592.441+/-873.854 χ^2/NDF:7.5/7

Right Out: -842.157+/-873.586 χ^2/NDF: 12.2/17

Left In: -1252.553+/-879.600 χ^2/NDF:10.9/6

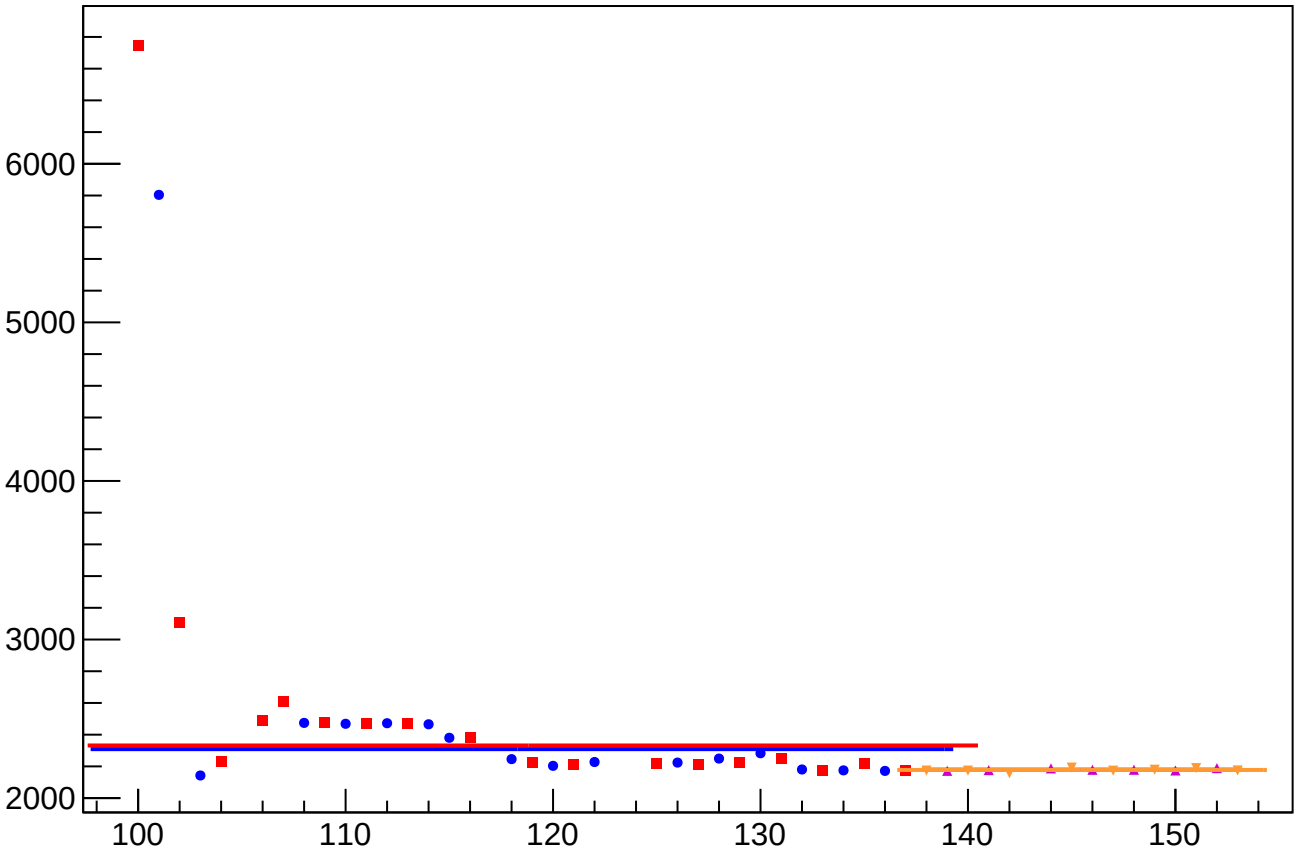
Left: -920.333+/-619.930 χ^2/NDF: 18.6/14

Right: -779.643+/-617.702 χ^2/NDF: 28.0/33

In: -982.993+/-619.817 χ^2/NDF:26.9/22

Out: -717.337+/-617.813 χ^2/NDF:19.7/25

All: -849.735+/-437.567 χ^2/NDF: 46.7/48



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2177.536+/-0.618 χ^2/NDF:228.6/7

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2179.503+/-0.622 χ^2/NDF:90.8/6

Left: 2178.513+/-0.438 χ^2/NDF: 324.4/14

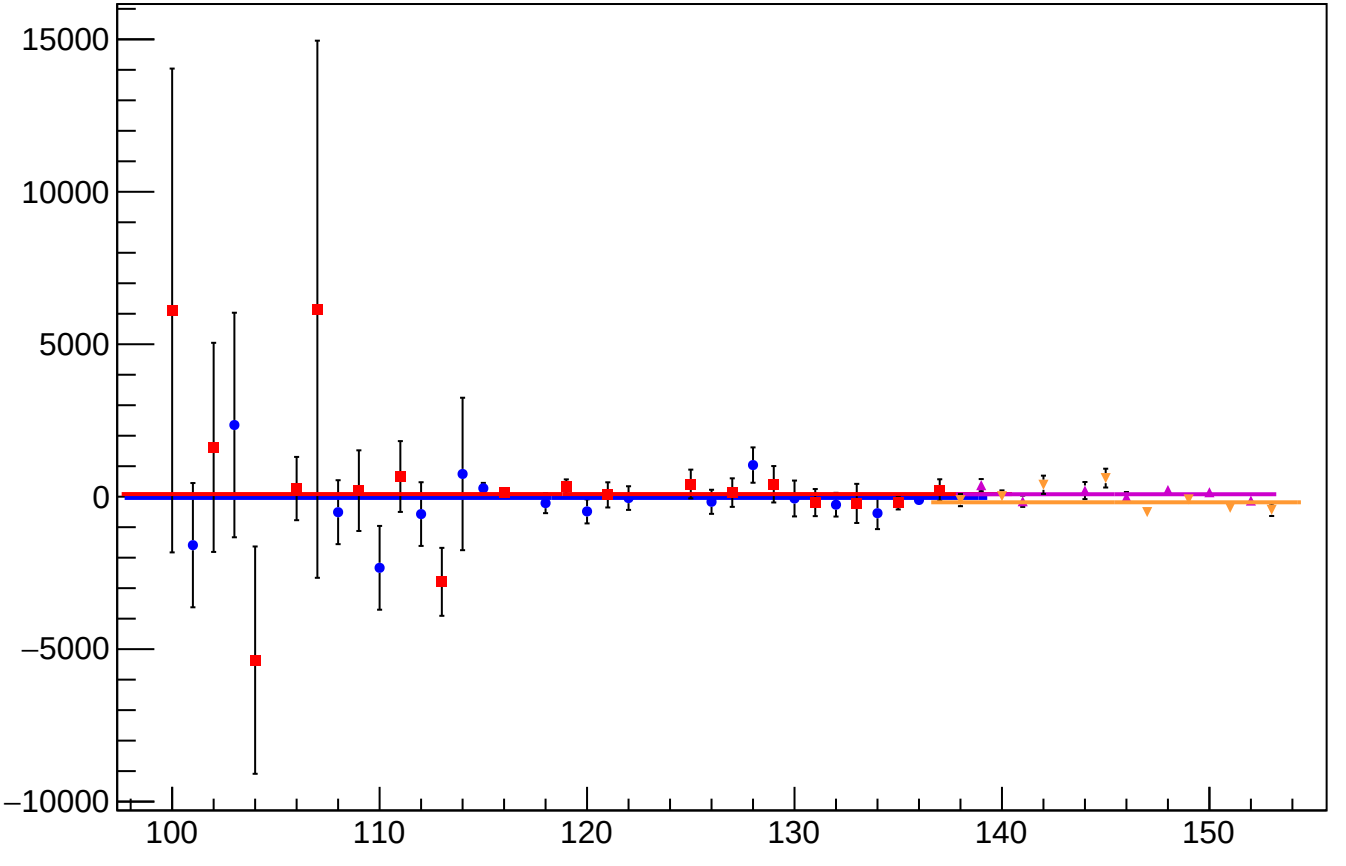
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2244.568+/-0.438 χ^2/NDF:535569.5/22

Out: 2254.716+/-0.437 χ^2/NDF:198743.8/25

All: 2249.659+/-0.309 χ^2/NDF: 734582.2/48

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: -183.795+/-67.117 χ^2/NDF:19.0/7

Right Out: 86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: 80.537+/-66.513 χ^2/NDF:6.9/6

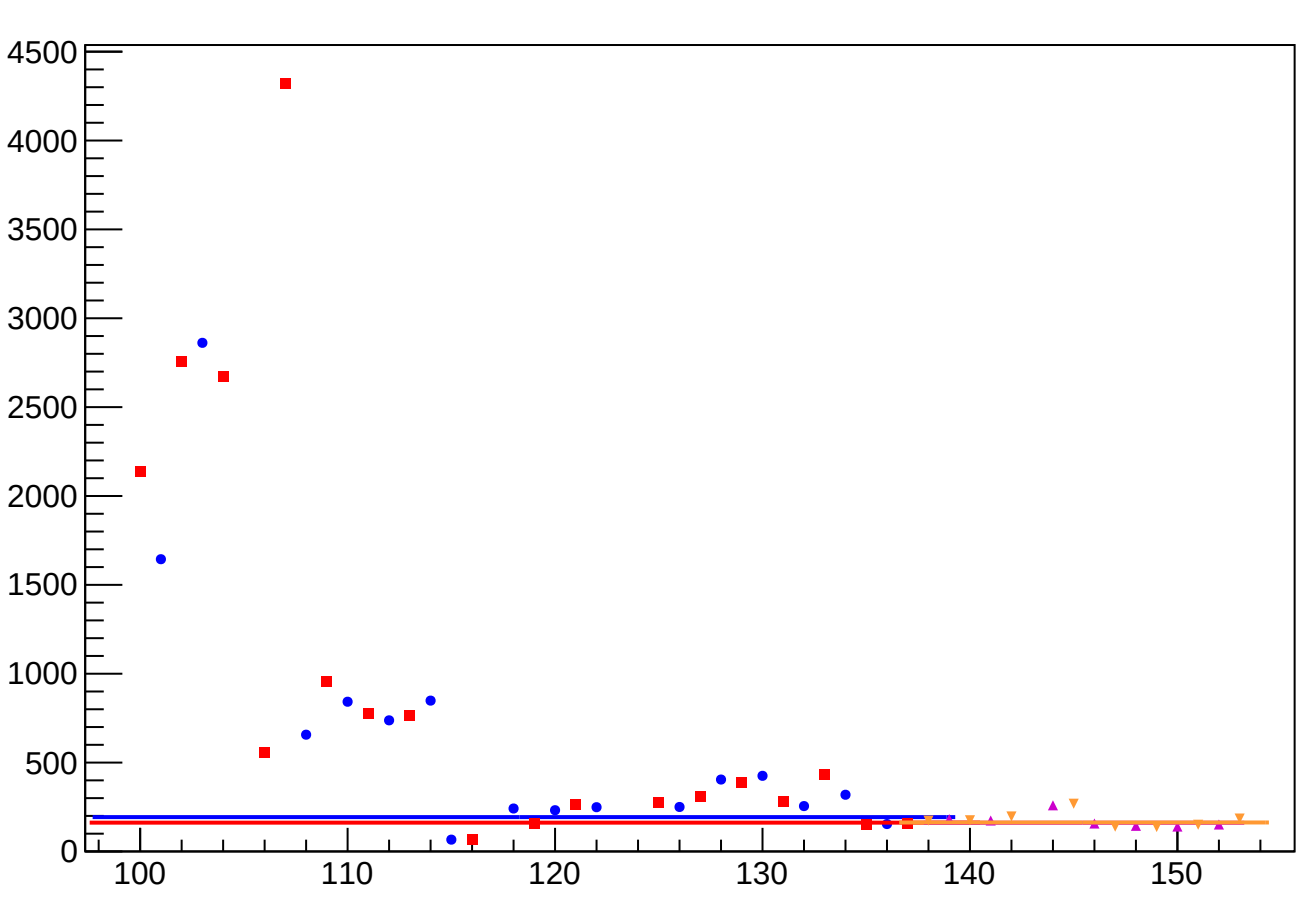
Left: -50.435+/-47.244 χ^2/NDF: 33.7/14

Right: 27.604+/-62.990 χ^2/NDF: 30.0/33

In: 39.361+/-53.984 χ^2/NDF:22.0/22

Out: -81.658+/-52.931 χ^2/NDF:40.1/25

All: -22.340+/-37.795 χ^2/NDF: 64.7/48



Right In: 193.255+/-0.065 χ^2/NDF: 5617847.0/15

Left Out: 163.053+/-0.047 χ^2/NDF:414685.0/7

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

Left In: 161.287+/-0.047 χ^2/NDF:350108.6/6

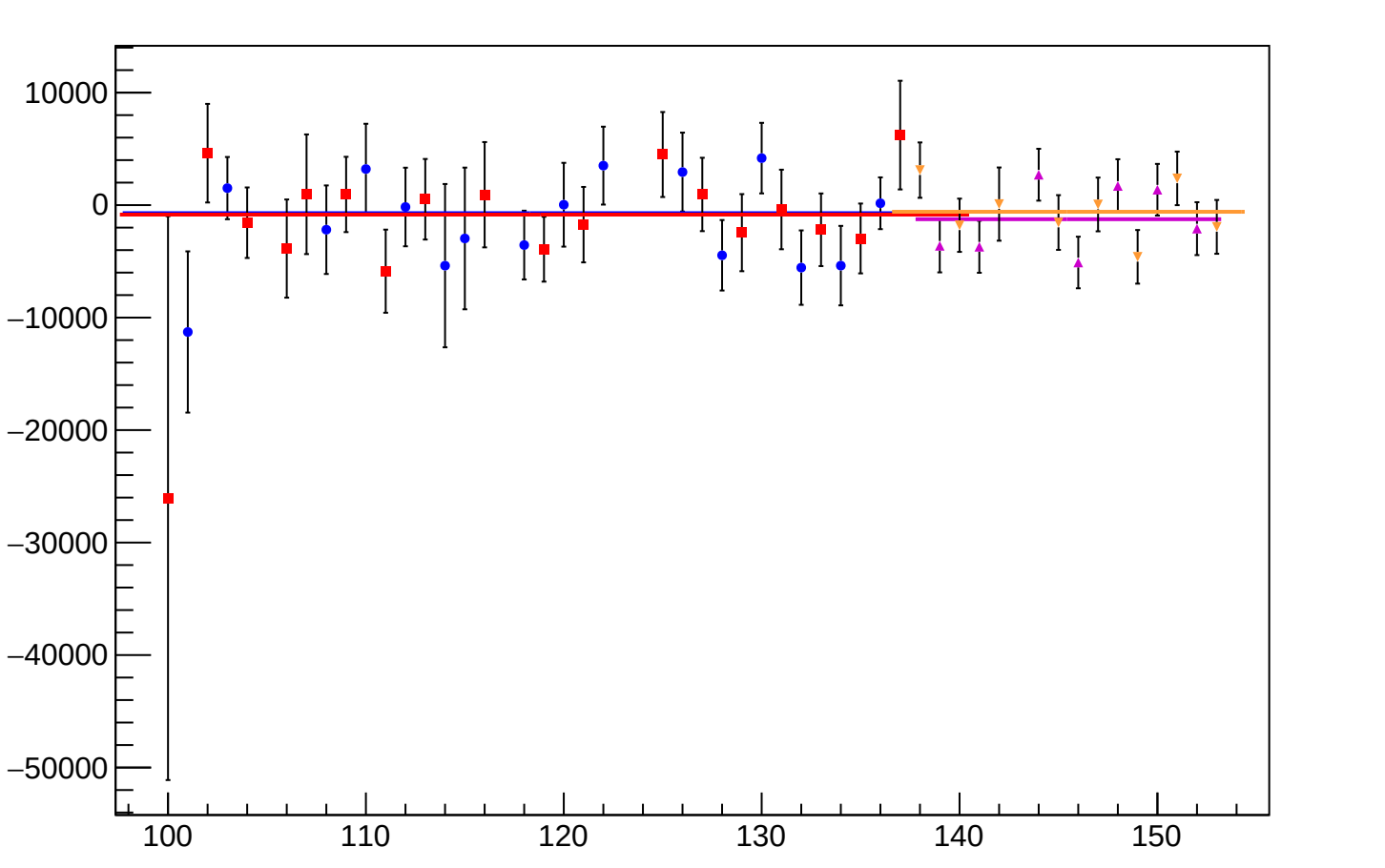
Left: 162.162+/-0.033 χ^2/NDF: 765492.1/14

Right: 176.583+/-0.045 χ^2/NDF: 12809933.8/33

In: 172.197+/-0.038 χ^2/NDF:6125627.5/22

Out: 162.698+/-0.037 χ^2/NDF:7485321.9/25

All: 167.354+/-0.027 χ^2/NDF: 13642519.7/48



Right In: -717.137+/-873.539 χ^2/NDF: 15.8/15

Left Out: -592.443+/-873.854 χ^2/NDF:7.5/7

Right Out: -842.159+/-873.586 χ^2/NDF: 12.2/17

Left In: -1252.553+/-879.600 χ^2/NDF:10.9/6

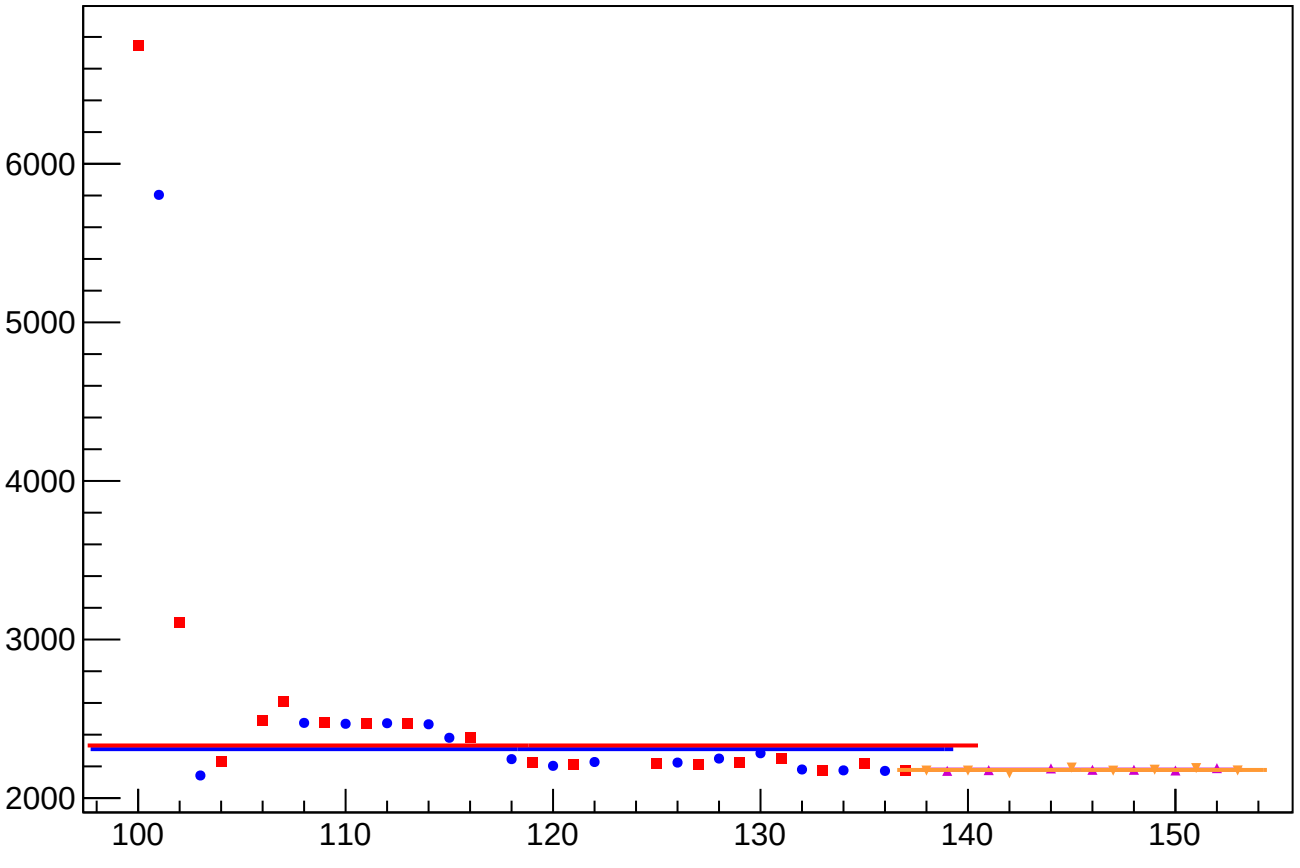
Left: -920.335+/-619.930 χ^2/NDF: 18.6/14

Right: -779.645+/-617.702 χ^2/NDF: 28.0/33

In: -982.994+/-619.817 χ^2/NDF:26.9/22

Out: -717.339+/-617.813 χ^2/NDF:19.7/25

All: -849.736+/-437.567 χ^2/NDF: 46.7/48



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2177.536+/-0.618 χ^2/NDF:228.6/7

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2179.503+/-0.622 χ^2/NDF:90.8/6

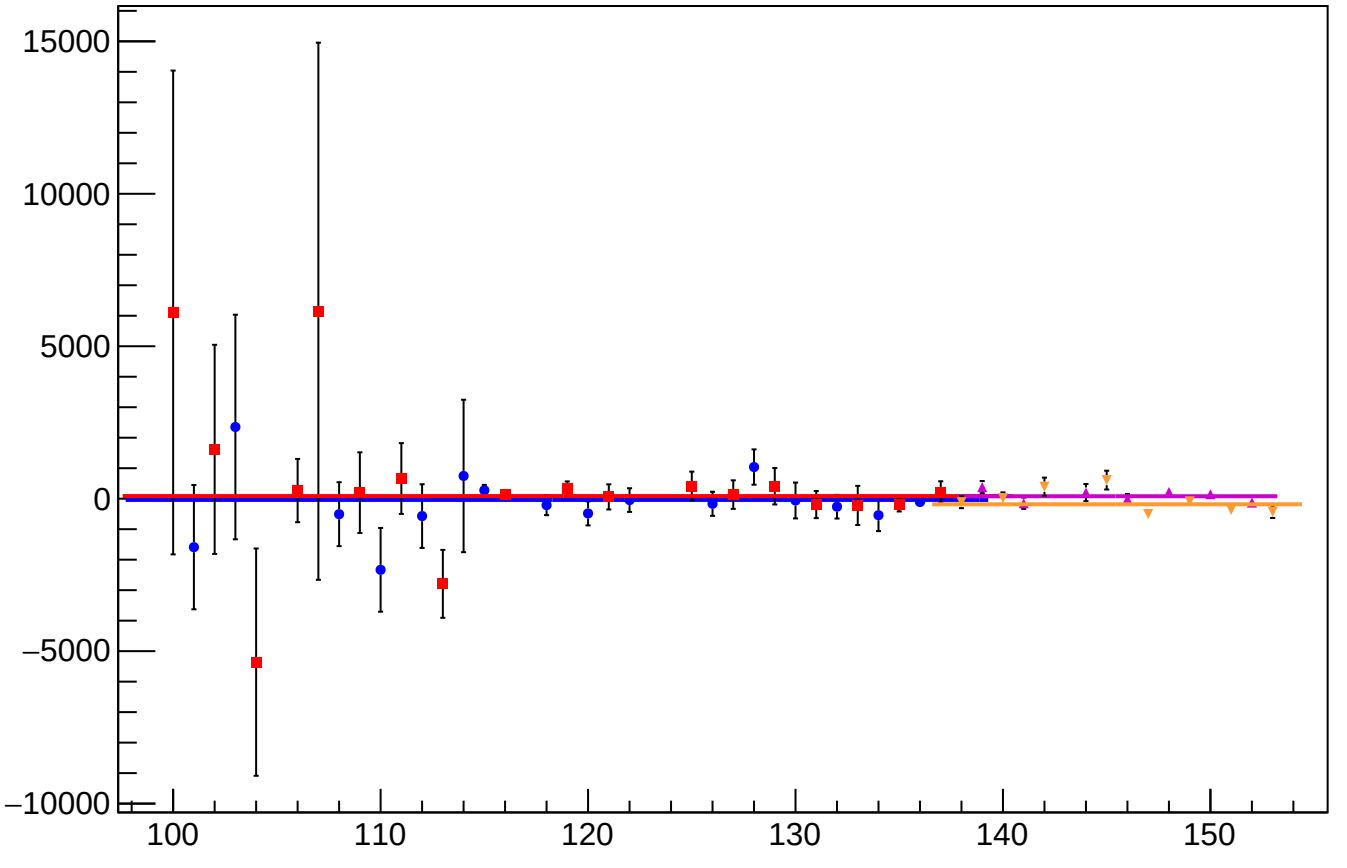
Left: 2178.513+/-0.438 χ^2/NDF: 324.4/14

Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2244.568+/-0.438 χ^2/NDF:535569.5/22

Out: 2254.716+/-0.437 χ^2/NDF:198743.7/25

All: 2249.659+/-0.309 χ^2/NDF: 734582.1/48



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: -183.796+/-67.117 χ^2/NDF:19.0/7

Right Out: 86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: 80.534+/-66.513 χ^2/NDF:6.9/6

Left: -50.437+/-47.244 χ^2/NDF: 33.7/14

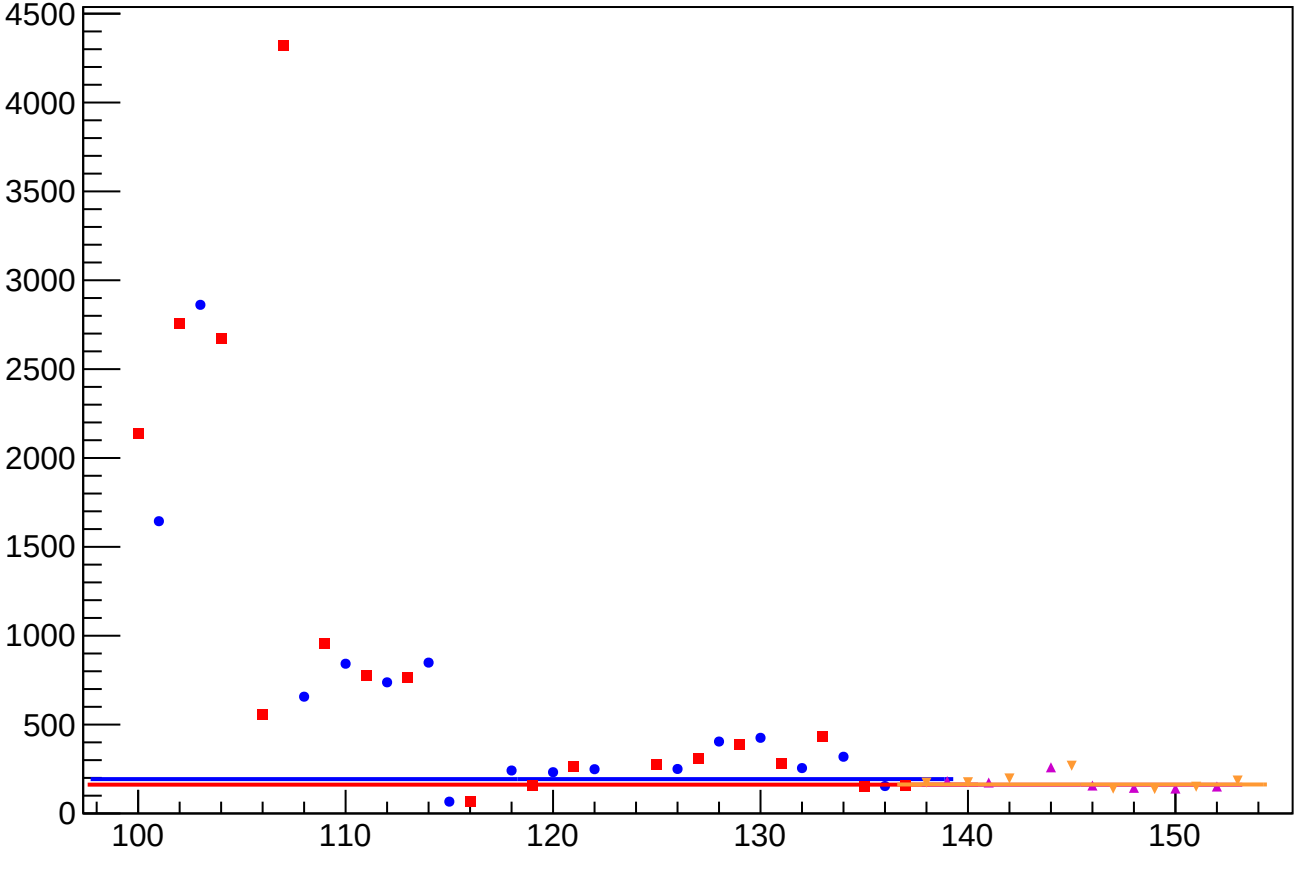
Right: 27.606+/-62.989 χ^2/NDF: 30.0/33

In: 39.360+/-53.984 χ^2/NDF:22.0/22

Out: -81.657+/-52.931 χ^2/NDF:40.1/25

All: -22.340+/-37.795 χ^2/NDF: 64.7/48

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: 163.054+/-0.047 χ^2/NDF:414671.9/7

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

Left In: 161.288+/-0.047 χ^2/NDF:350102.9/6

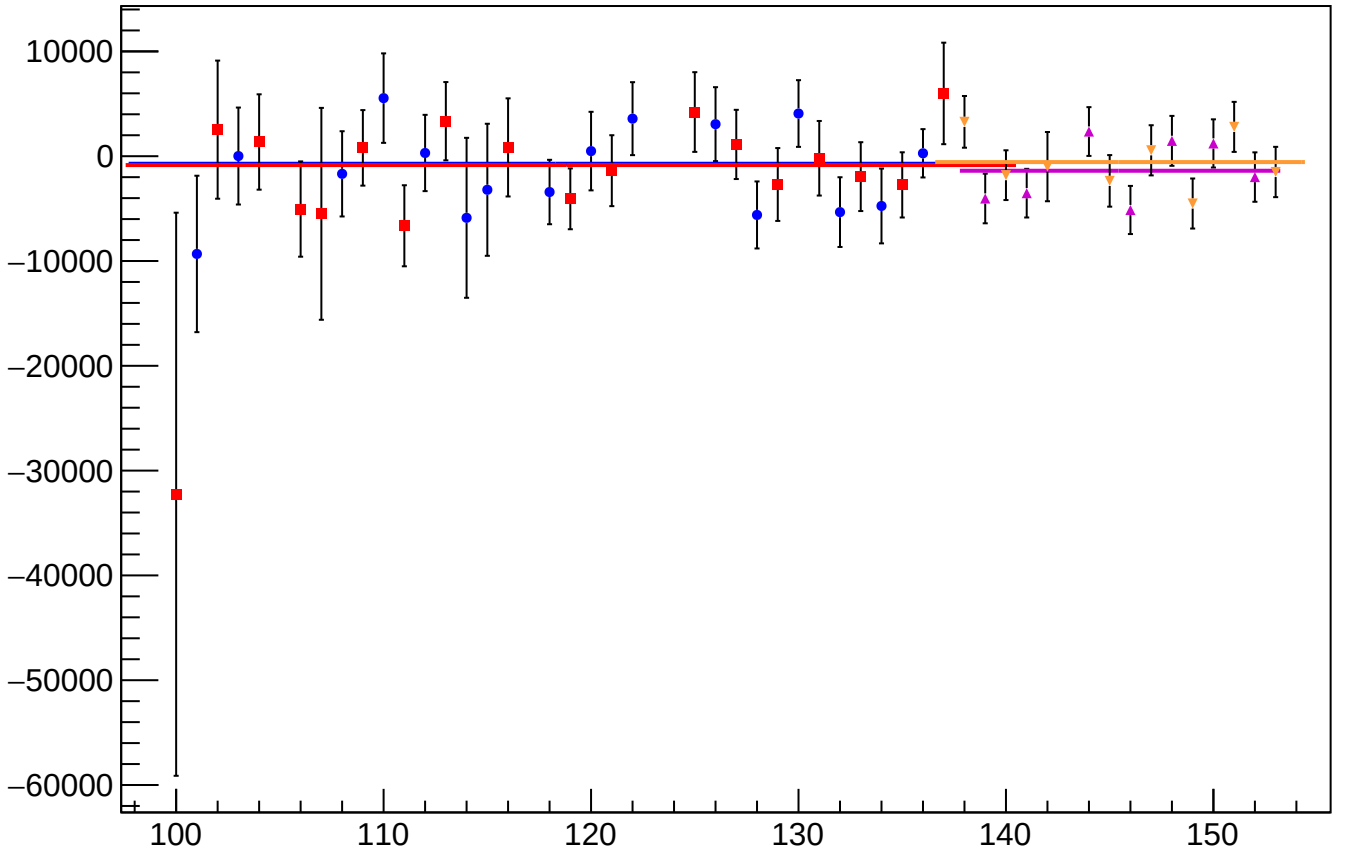
Left: 162.163+/-0.033 χ^2/NDF: 765473.3/14

Right: 176.581+/-0.045 χ^2/NDF: 12810031.9/33

In: 172.196+/-0.038 χ^2/NDF:6125630.9/22

Out: 162.698+/-0.037 χ^2/NDF:7485368.6/25

All: 167.354+/-0.027 χ^2/NDF: 13642571.2/48



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -560.238+/-877.897 χ^2/NDF:8.3/7

Right Out: -844.810+/-928.703 χ^2/NDF: 12.9/17

Left In: -1387.934+/-882.641 χ^2/NDF:10.1/6

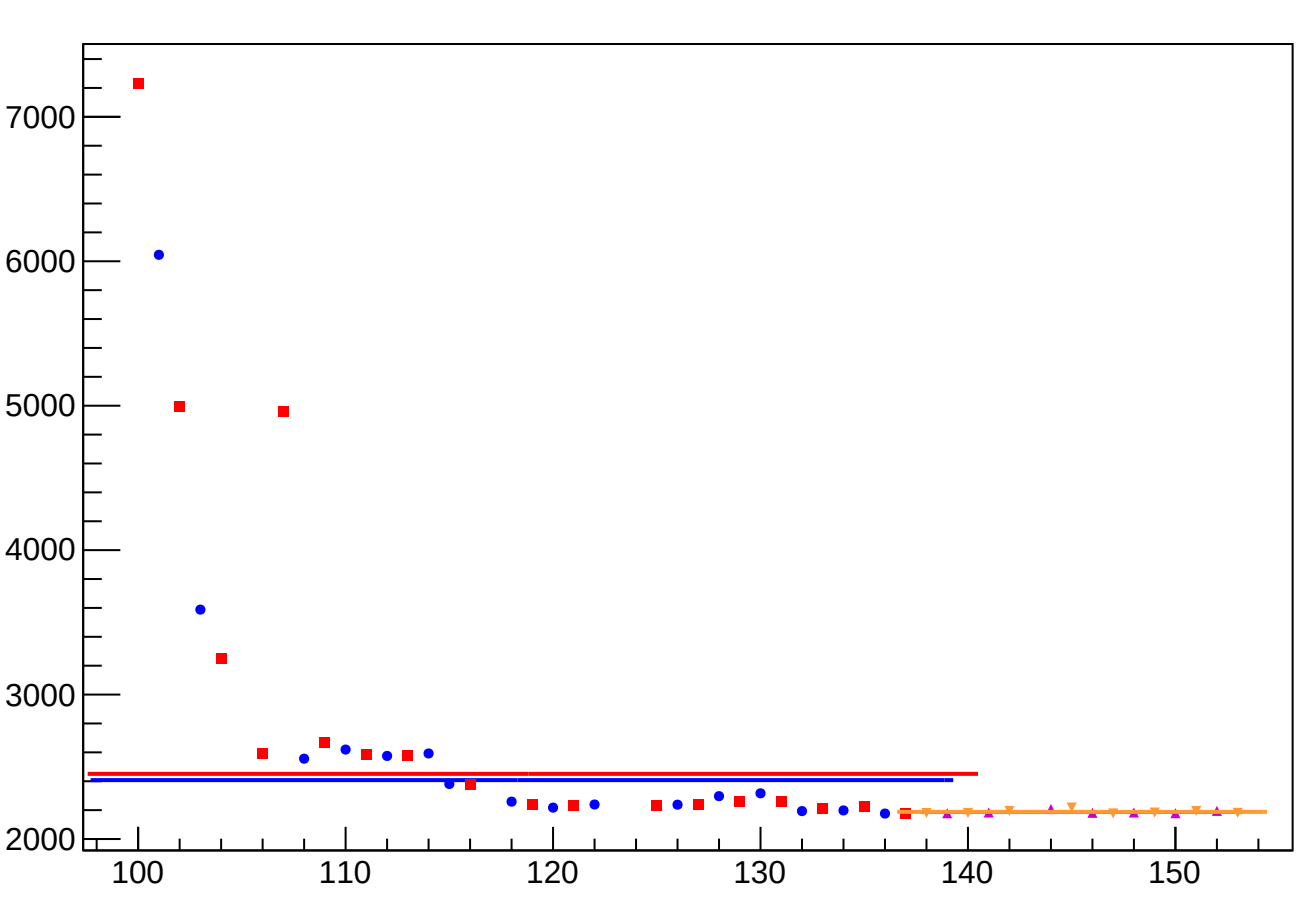
Left: -971.856+/-622.437 χ^2/NDF: 18.9/14

Right: -781.340+/-652.237 χ^2/NDF: 28.7/33

In: -1066.224+/-635.664 χ^2/NDF:26.2/22

Out: -694.528+/-637.972 χ^2/NDF:21.3/25

All: -881.050+/-450.296 χ^2/NDF: 47.7/48



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2188.002+/-0.621 χ^2/NDF:427.2/7

Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2187.017+/-0.624 χ^2/NDF:250.4/6

Left: 2187.512+/-0.440 χ^2/NDF: 678.9/14

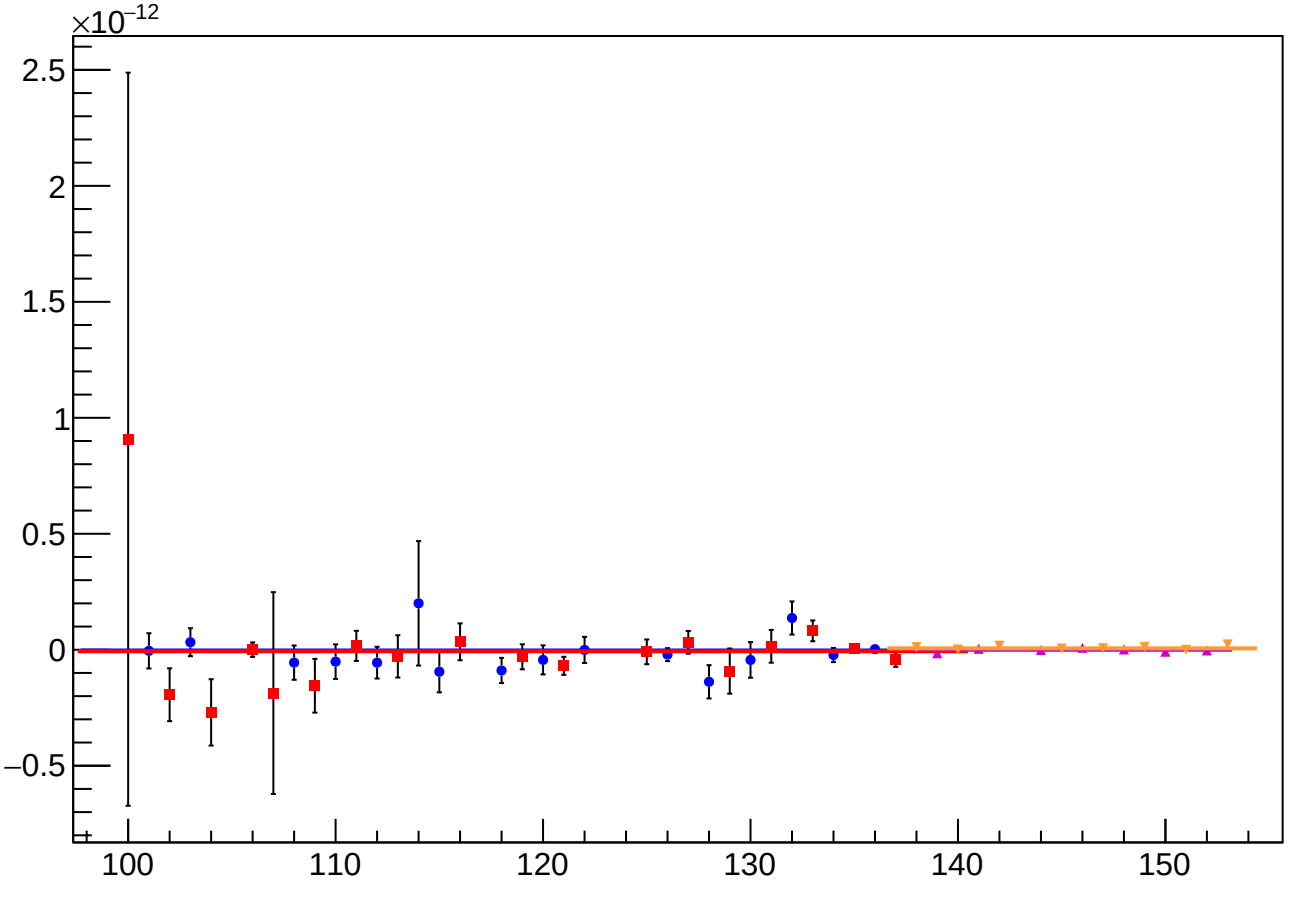
Right: 2429.198+/-0.461 χ^2/NDF: 1312704.2/33

In: 2293.285+/-0.449 χ^2/NDF:737372.8/22

Out: 2312.201+/-0.451 χ^2/NDF:718851.7/25

All: 2302.709+/-0.318 χ^2/NDF: 1457106.8/48

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:5.8/7

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: -0.000+/-0.000 χ^2/NDF:7.8/6

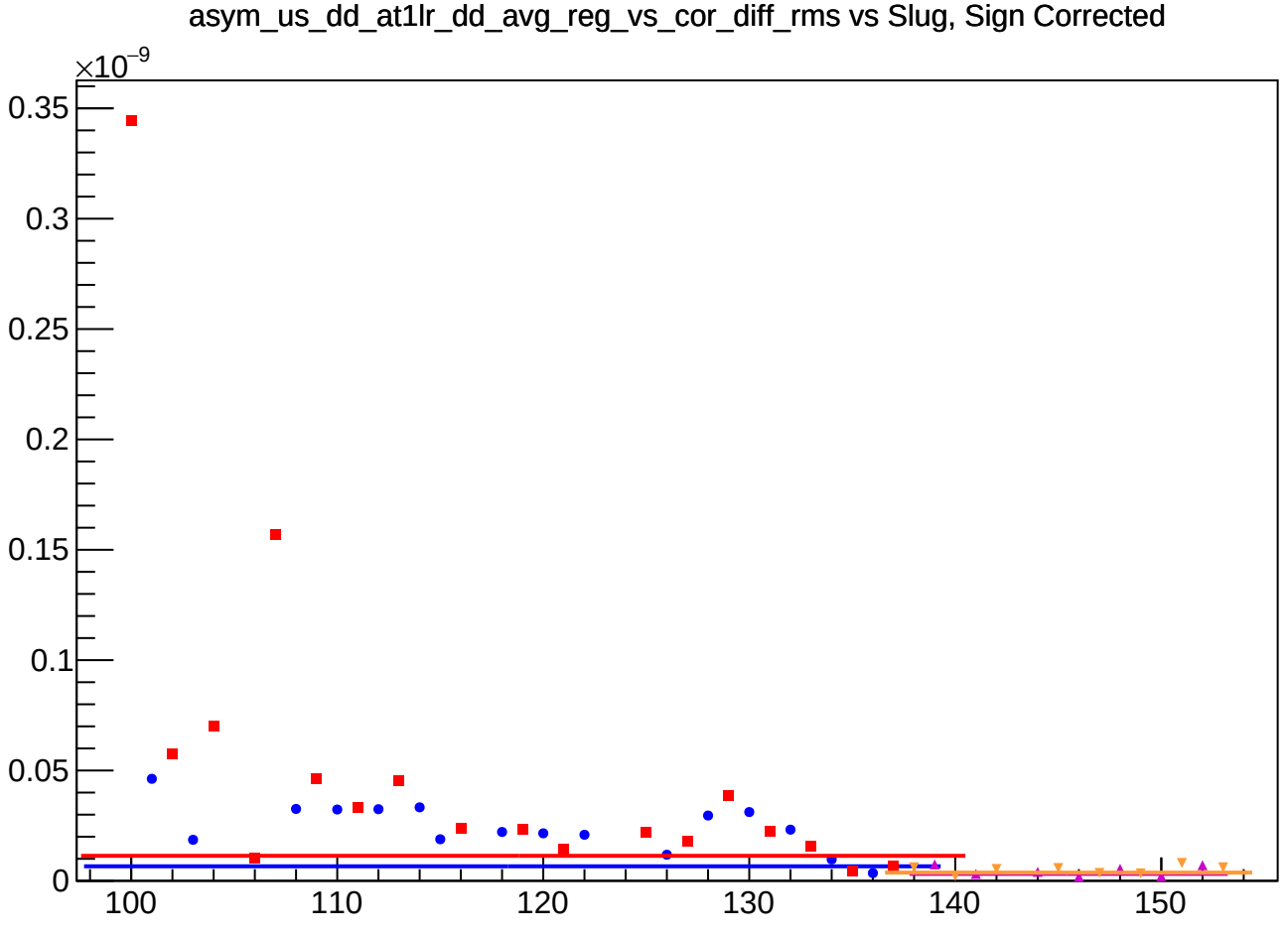
Left: 0.000+/-0.000 χ^2/NDF: 16.3/14

Right: -0.000+/-0.000 χ^2/NDF: 34.5/33

In: -0.000+/-0.000 χ^2/NDF:23.6/22

Out: 0.000+/-0.000 χ^2/NDF:26.2/25

All: 0.000+/-0.000 χ^2/NDF: 52.4/48



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:850951.1/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:781851.7/6

Left: 0.000+/-0.000 χ^2/NDF: 1682309.0/14

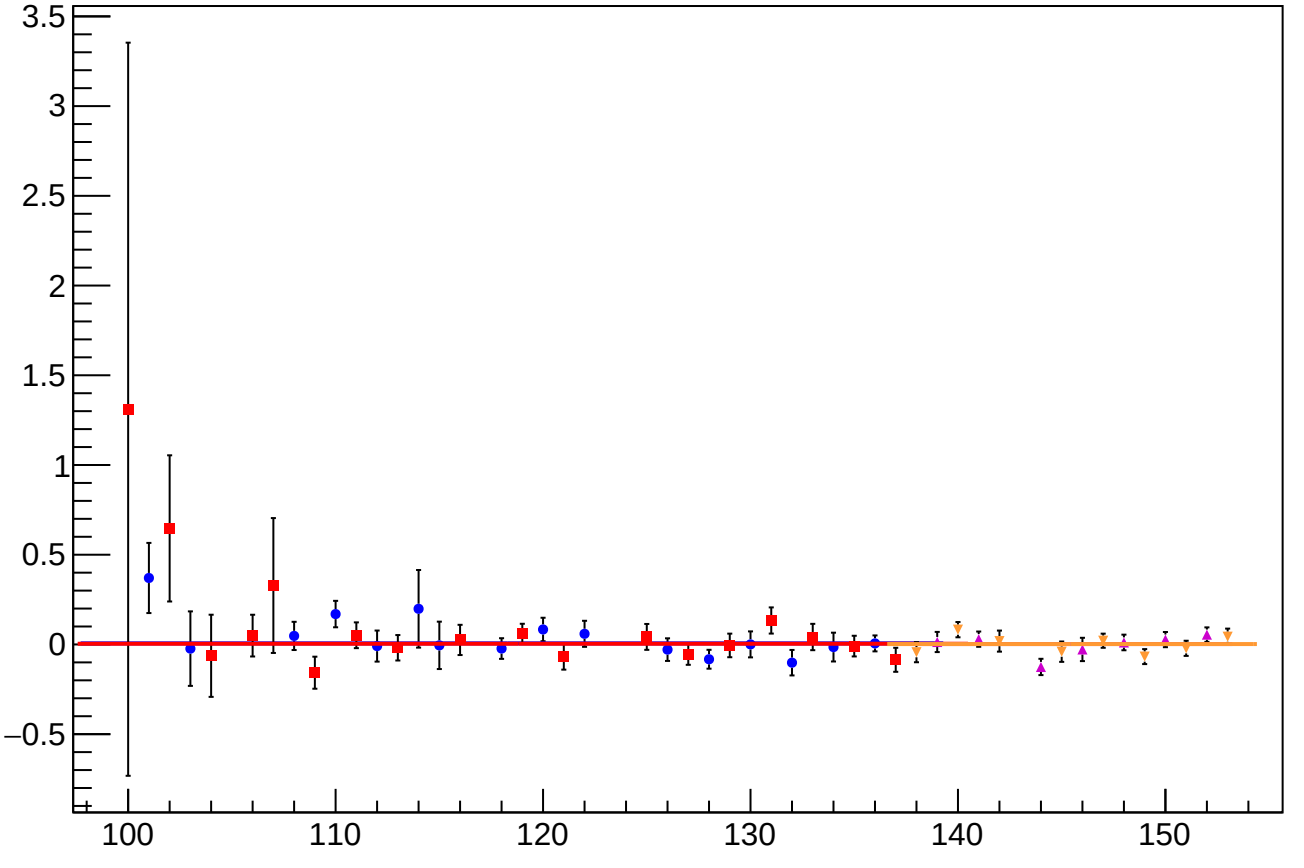
Right: 0.000+/-0.000 χ^2/NDF: 5888629.2/33

In: 0.000+/-0.000 χ^2/NDF:4151616.5/22

Out: 0.000+/-0.000 χ^2/NDF:4675566.1/25

All: 0.000+/-0.000 χ^2/NDF: 8890313.4/48

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: 0.002+/-0.016 χ^2/NDF:9.0/7

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.002+/-0.017 χ^2/NDF:10.6/6

Left: 0.002+/-0.012 χ^2/NDF: 19.7/14

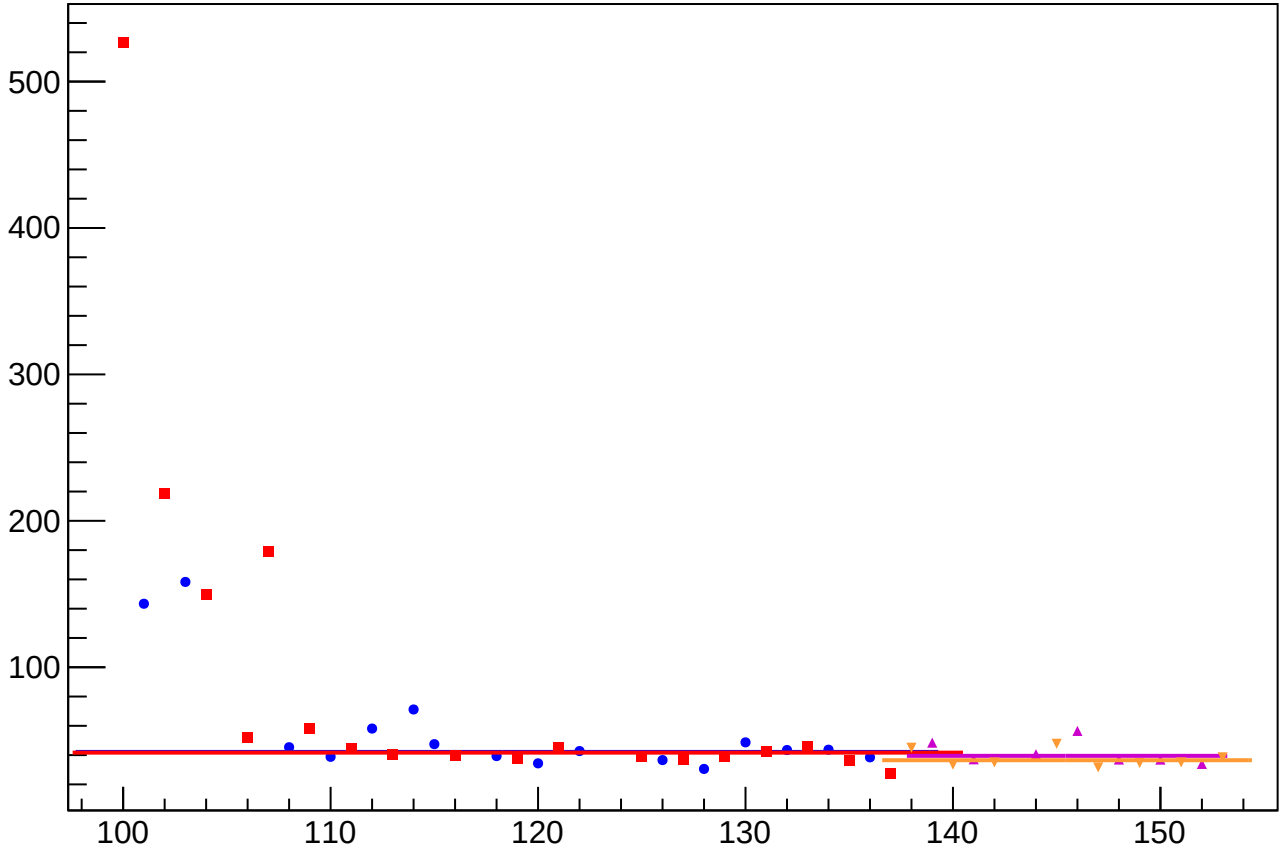
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: 0.004+/-0.013 χ^2/NDF:27.9/22

Out: 0.003+/-0.012 χ^2/NDF:25.3/25

All: 0.003+/-0.009 χ^2/NDF: 53.2/48

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: 36.496+/-0.012 χ^2/NDF:177807.5/7

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.501+/-0.012 χ^2/NDF:247123.2/6

Left: 37.902+/-0.008 χ^2/NDF: 456543.7/14

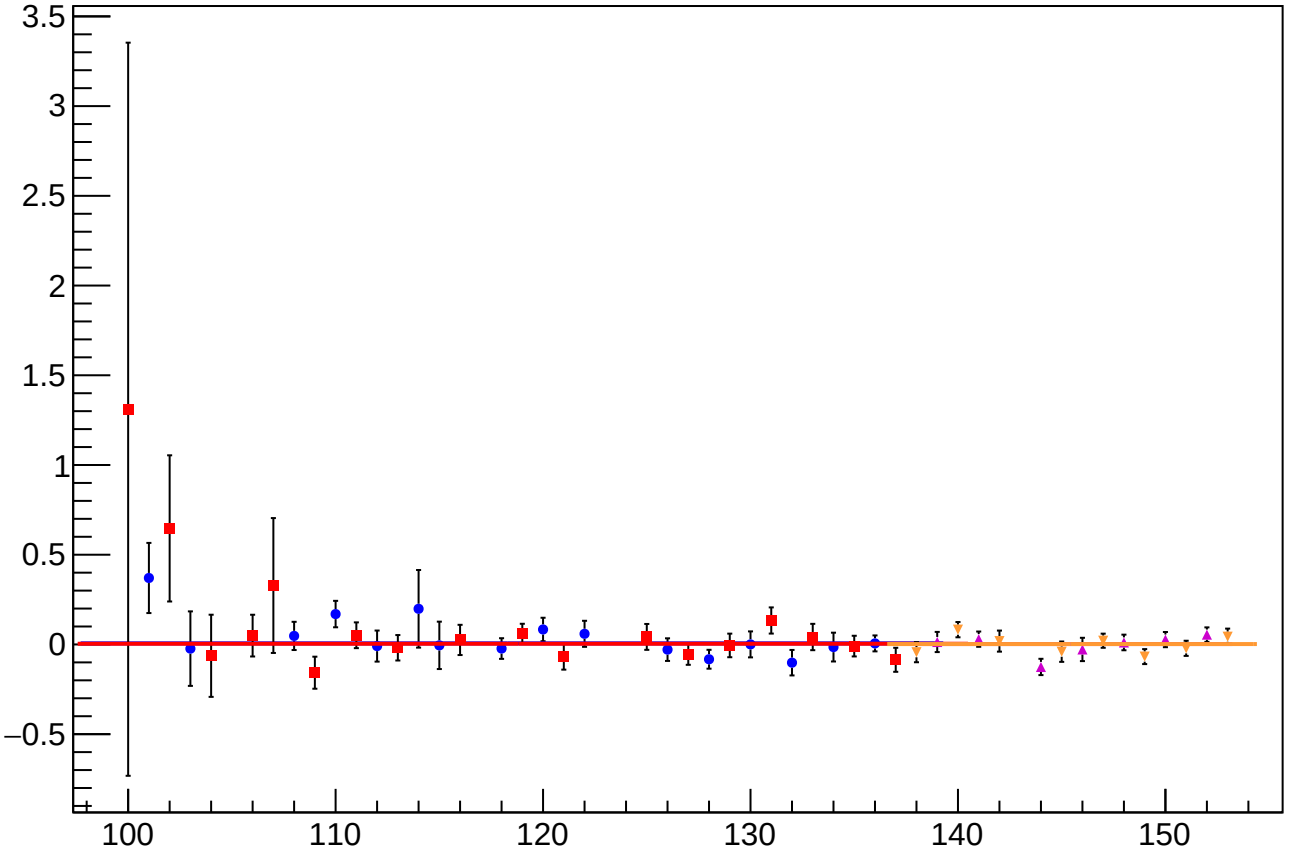
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 40.772+/-0.009 χ^2/NDF:1723777.4/22

Out: 38.762+/-0.009 χ^2/NDF:1707128.7/25

All: 39.740+/-0.006 χ^2/NDF: 3456982.8/48

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: 0.002+/-0.016 χ^2/NDF:9.0/7

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.002+/-0.017 χ^2/NDF:10.6/6

Left: 0.002+/-0.012 χ^2/NDF: 19.7/14

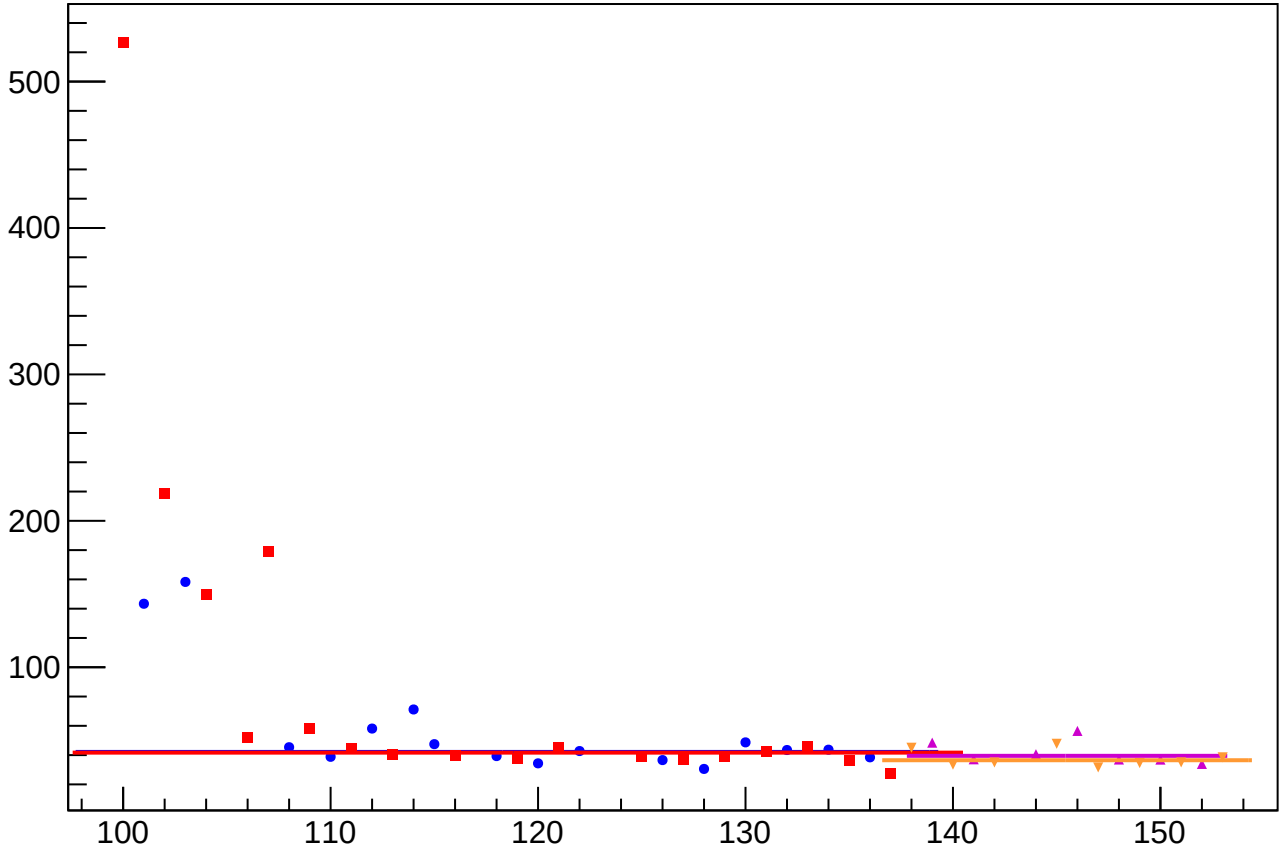
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: 0.004+/-0.013 χ^2/NDF:27.9/22

Out: 0.003+/-0.012 χ^2/NDF:25.3/25

All: 0.003+/-0.009 χ^2/NDF: 53.2/48

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: 36.496+/-0.012 χ^2/NDF:177807.5/7

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.501+/-0.012 χ^2/NDF:247123.2/6

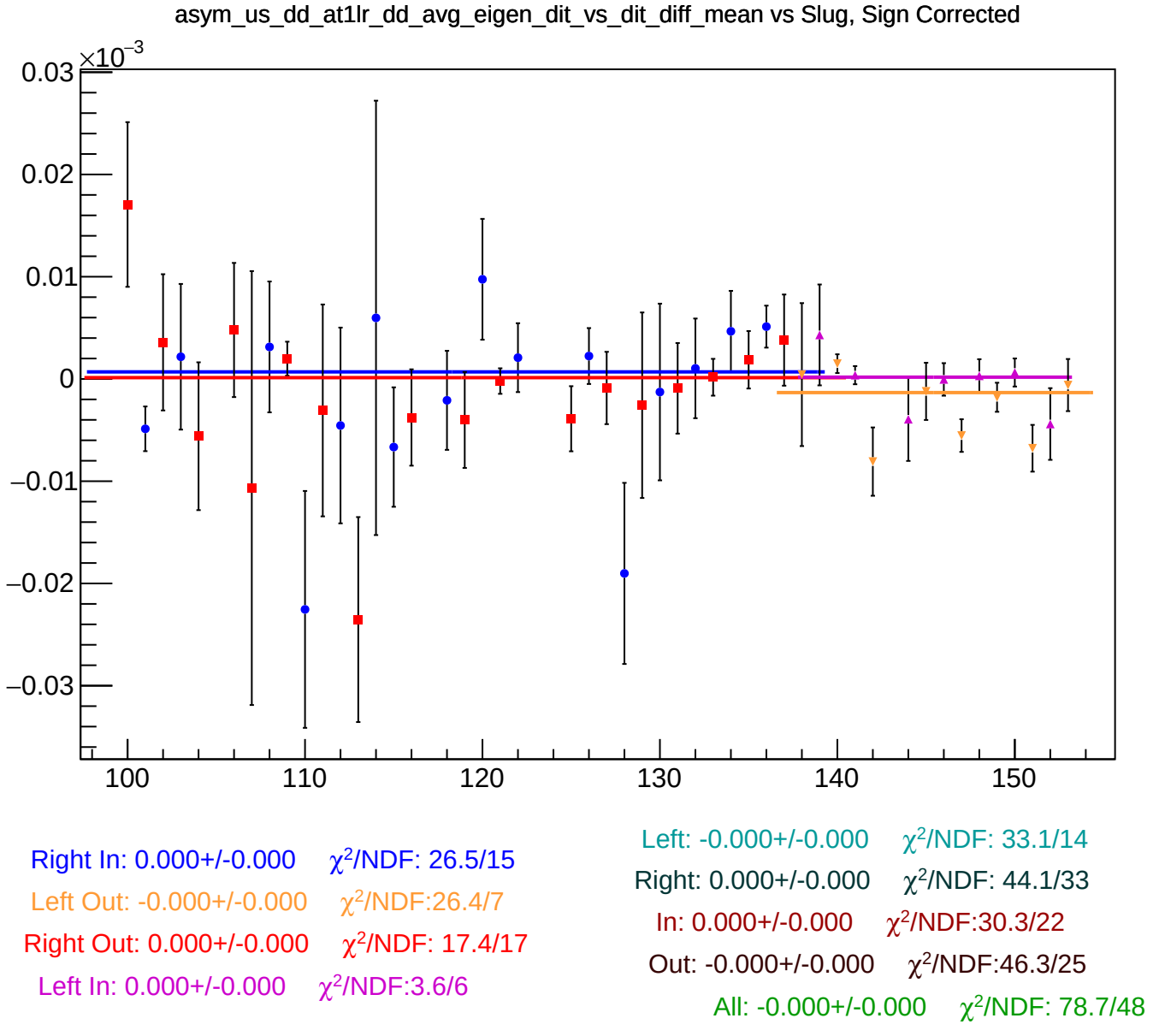
Left: 37.902+/-0.008 χ^2/NDF: 456543.7/14

Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

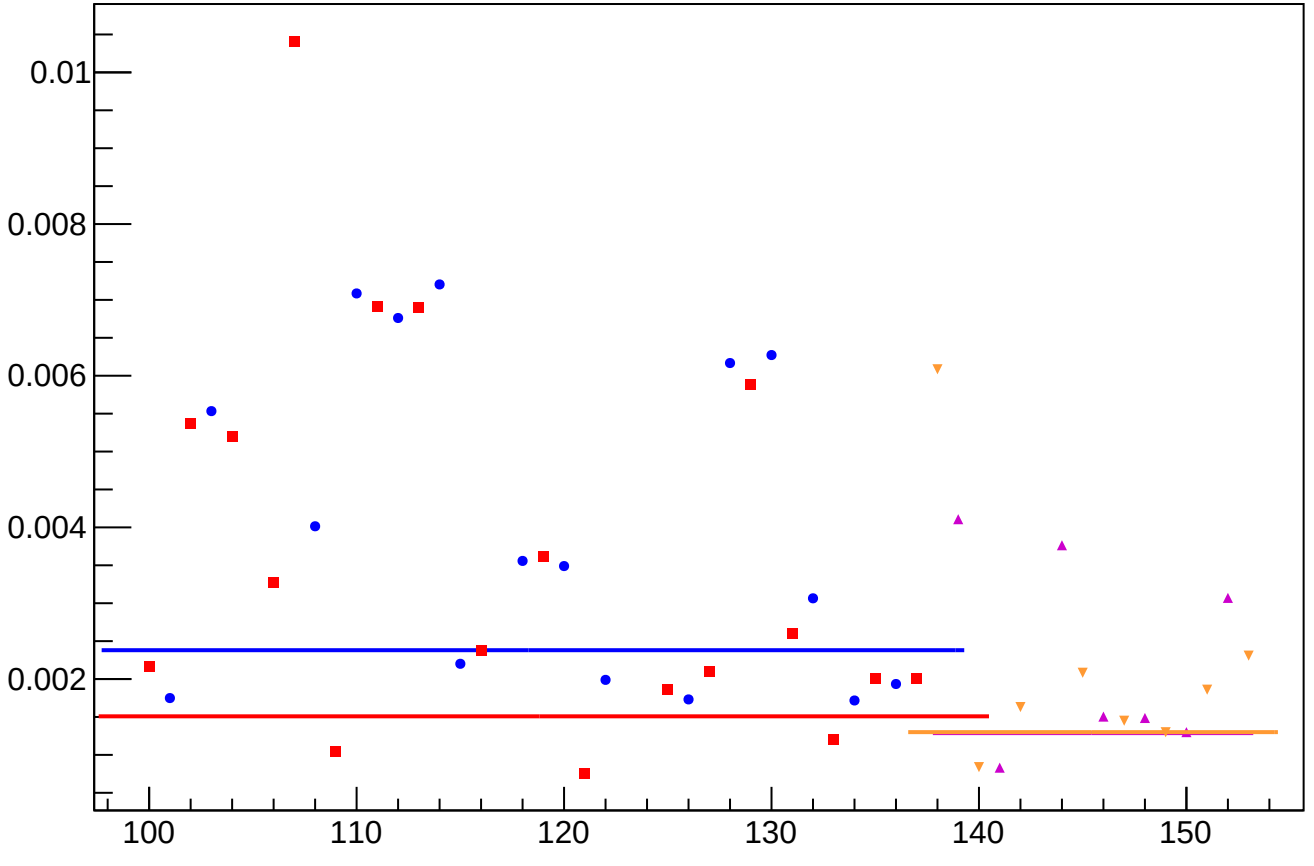
In: 40.772+/-0.009 χ^2/NDF:1723777.4/22

Out: 38.762+/-0.009 χ^2/NDF:1707128.7/25

All: 39.740+/-0.006 χ^2/NDF: 3456982.8/48


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 26.5/15
Left Out: -0.000+/-0.000 χ²/NDF:26.4/7
Right Out: 0.000+/-0.000 χ²/NDF: 17.4/17
Left In: 0.000+/-0.000 χ²/NDF:3.6/6
Left: -0.000+/-0.000 χ²/NDF: 33.1/14
Right: 0.000+/-0.000 χ²/NDF: 44.1/33
In: 0.000+/-0.000 χ²/NDF:30.3/22
Out: -0.000+/-0.000 χ²/NDF:46.3/25
All: -0.000+/-0.000 χ²/NDF: 78.7/48

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:2070054.2/7

Right Out: 0.002+/-0.000 χ^2/NDF: 5001667.0/17

Left In: 0.001+/-0.000 χ^2/NDF:2504675.0/6

Left: 0.001+/-0.000 χ^2/NDF: 4575178.2/14

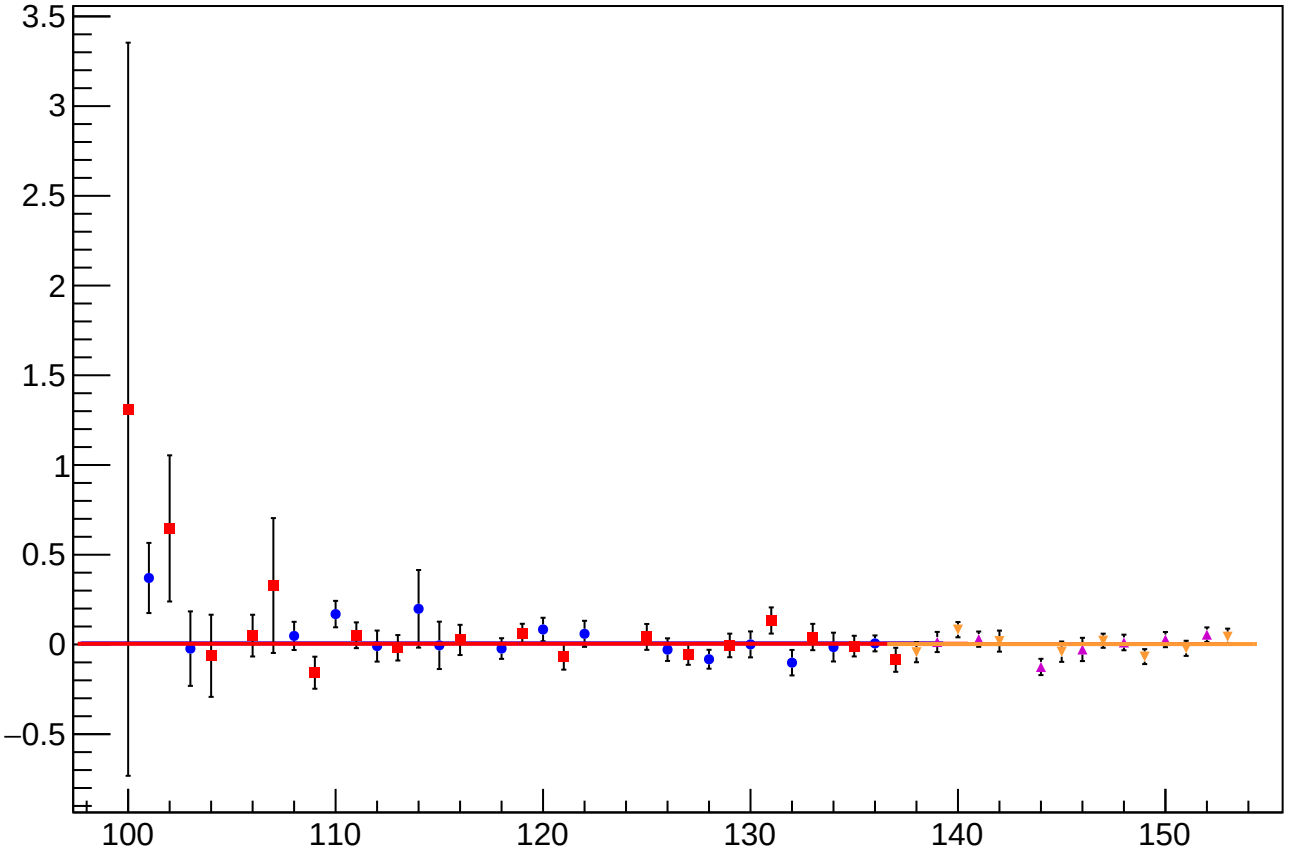
Right: 0.002+/-0.000 χ^2/NDF: 8812145.3/33

In: 0.002+/-0.000 χ^2/NDF:7046901.3/22

Out: 0.001+/-0.000 χ^2/NDF:7168703.2/25

All: 0.001+/-0.000 χ^2/NDF: 14353738.1/48

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: 0.002+/-0.016 χ^2/NDF:9.0/7

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.002+/-0.017 χ^2/NDF:10.6/6

Left: 0.002+/-0.012 χ^2/NDF: 19.7/14

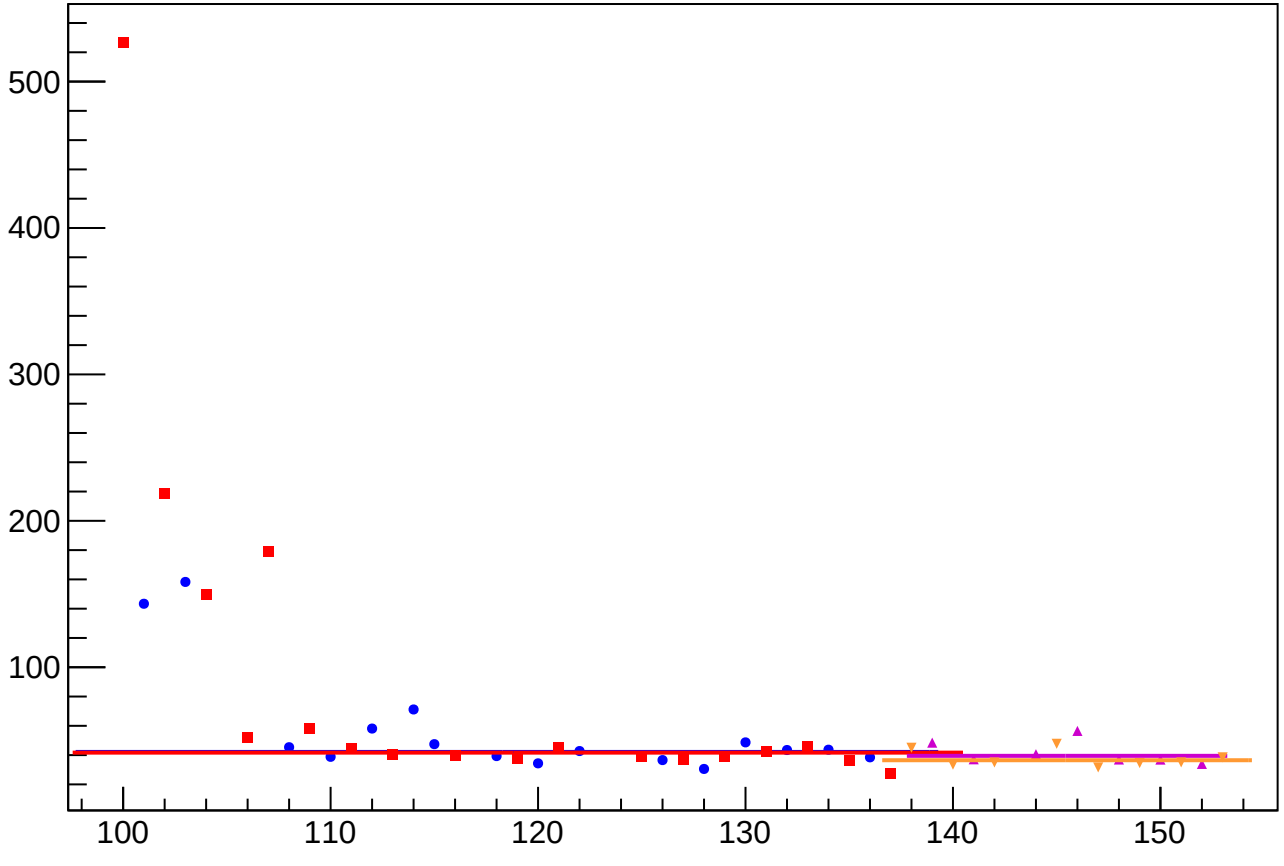
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: 0.004+/-0.013 χ^2/NDF:27.9/22

Out: 0.003+/-0.012 χ^2/NDF:25.3/25

All: 0.003+/-0.009 χ^2/NDF: 53.2/48

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: 36.496+/-0.012 χ^2/NDF:177782.2/7

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.501+/-0.012 χ^2/NDF:247155.4/6

Left: 37.902+/-0.008 χ^2/NDF: 456540.4/14

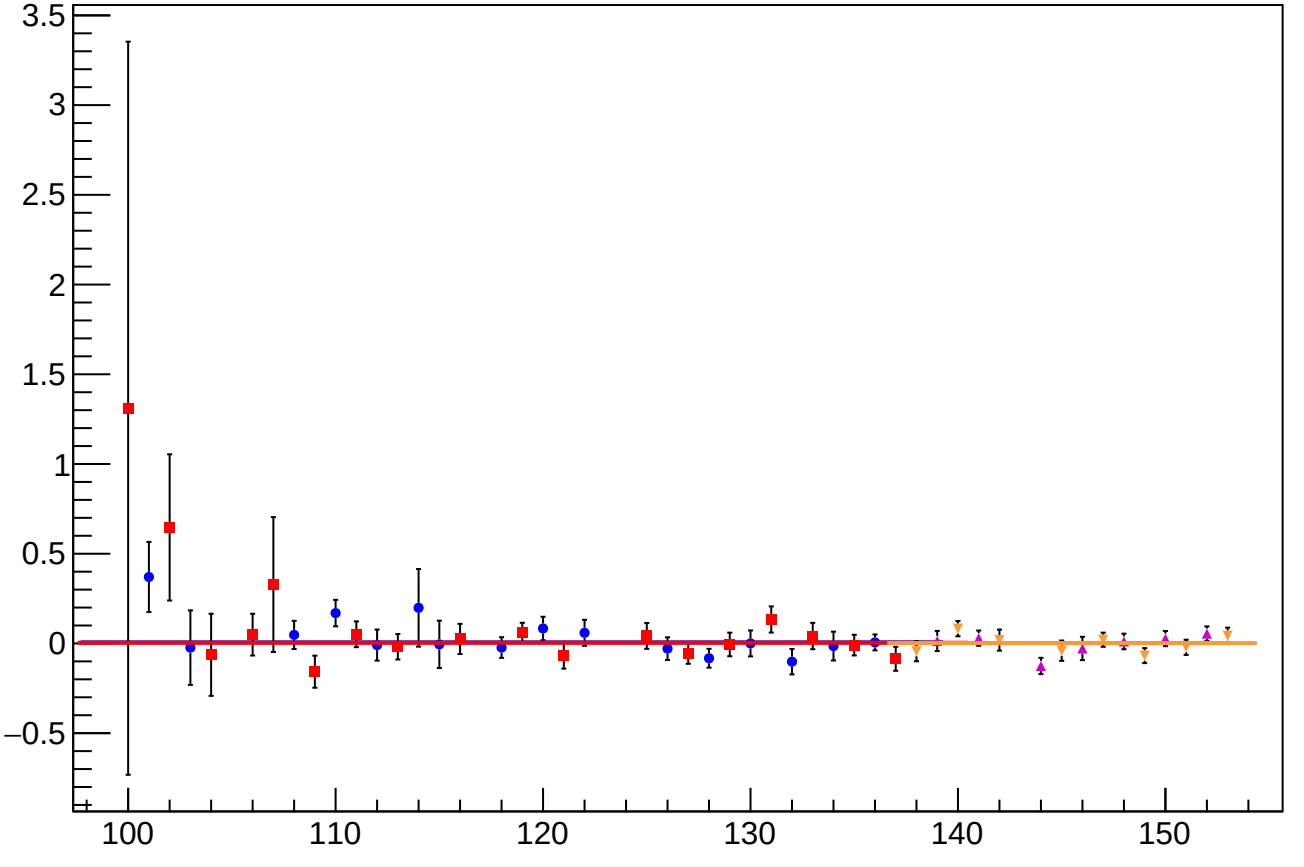
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.771+/-0.009 χ^2/NDF:1723987.0/22

Out: 38.763+/-0.009 χ^2/NDF:1707089.4/25

All: 39.740+/-0.006 χ^2/NDF: 3457112.4/48

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: 0.002+/-0.016 χ^2/NDF:9.0/7

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: 0.002+/-0.017 χ^2/NDF:10.6/6

Left: 0.002+/-0.012 χ^2/NDF: 19.7/14

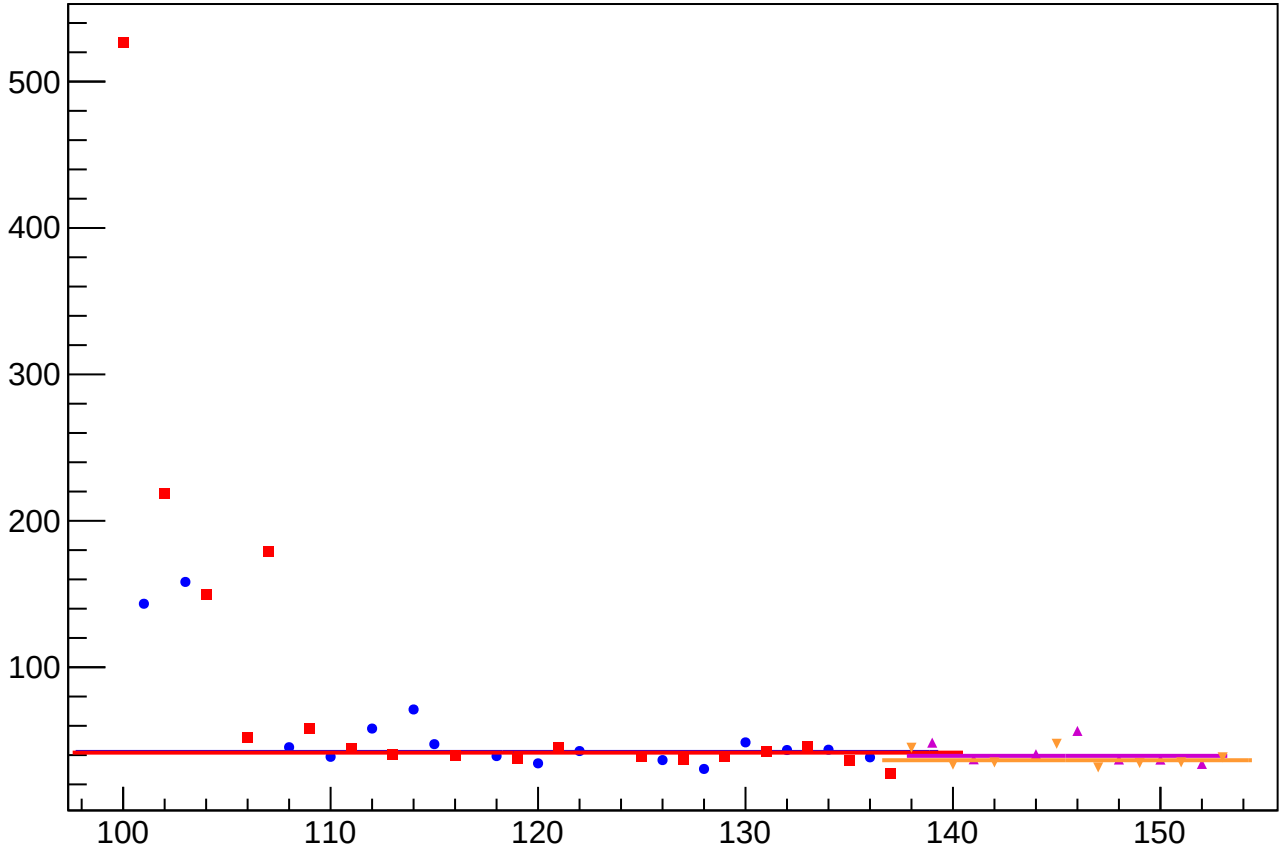
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: 0.004+/-0.013 χ^2/NDF:27.9/22

Out: 0.003+/-0.012 χ^2/NDF:25.3/25

All: 0.003+/-0.009 χ^2/NDF: 53.2/48

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: 36.496+/-0.012 χ^2/NDF:177782.2/7

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.501+/-0.012 χ^2/NDF:247155.4/6

Left: 37.902+/-0.008 χ^2/NDF: 456540.4/14

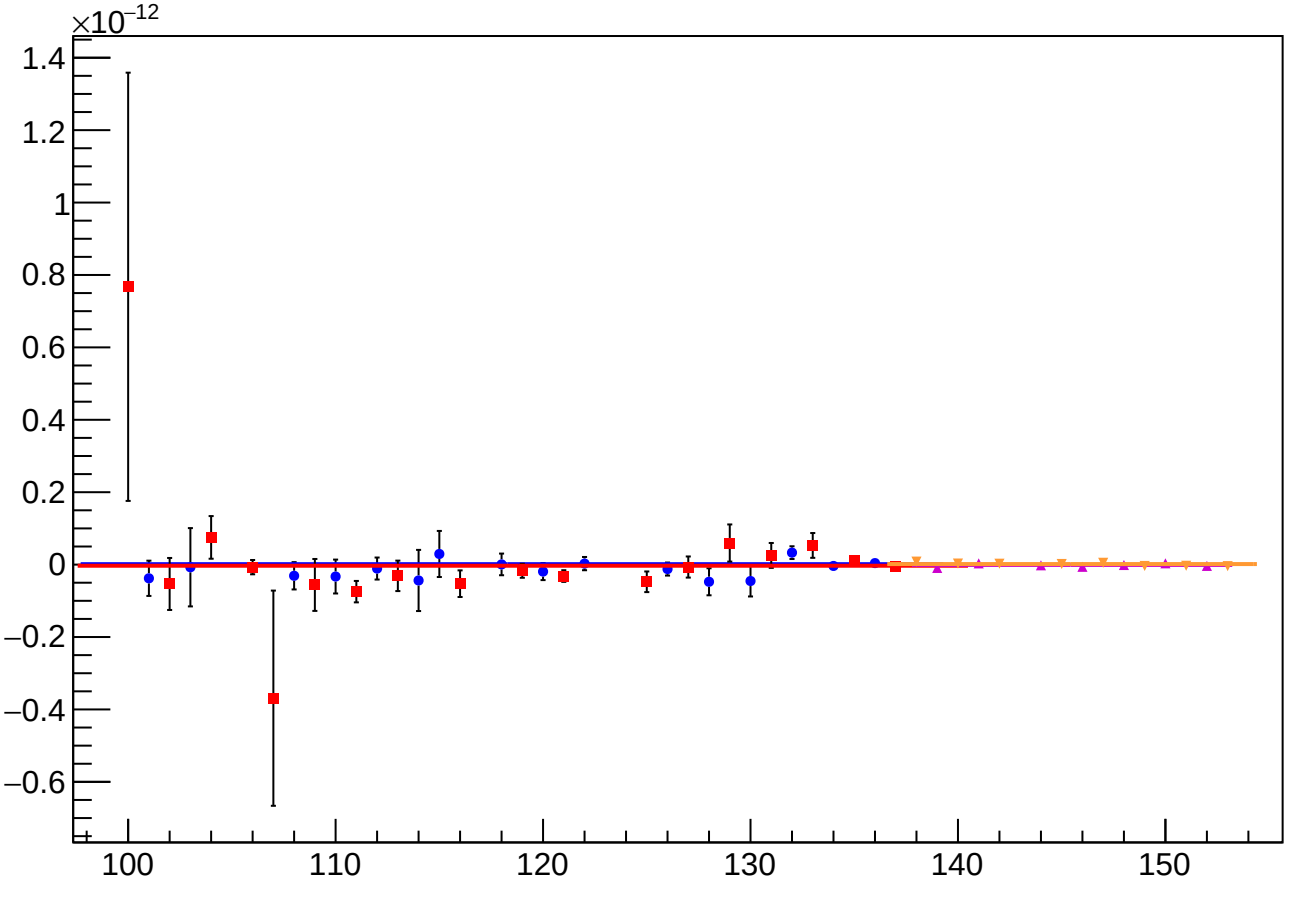
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.771+/-0.009 χ^2/NDF:1723987.0/22

Out: 38.763+/-0.009 χ^2/NDF:1707089.4/25

All: 39.740+/-0.006 χ^2/NDF: 3457112.4/48

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:5.8/7

Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: -0.000+/-0.000 χ^2/NDF:5.3/6

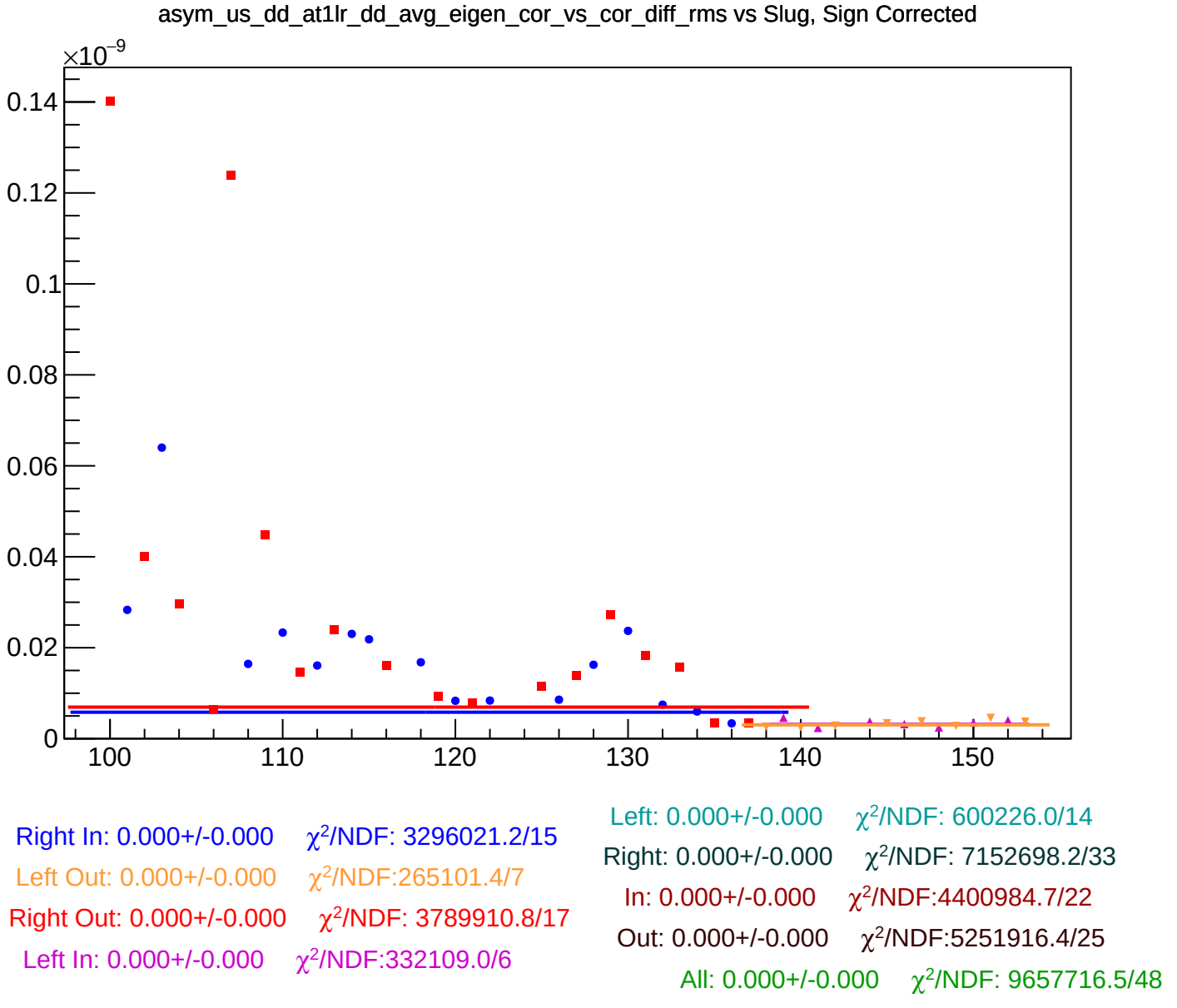
Left: 0.000+/-0.000 χ^2/NDF: 12.0/14

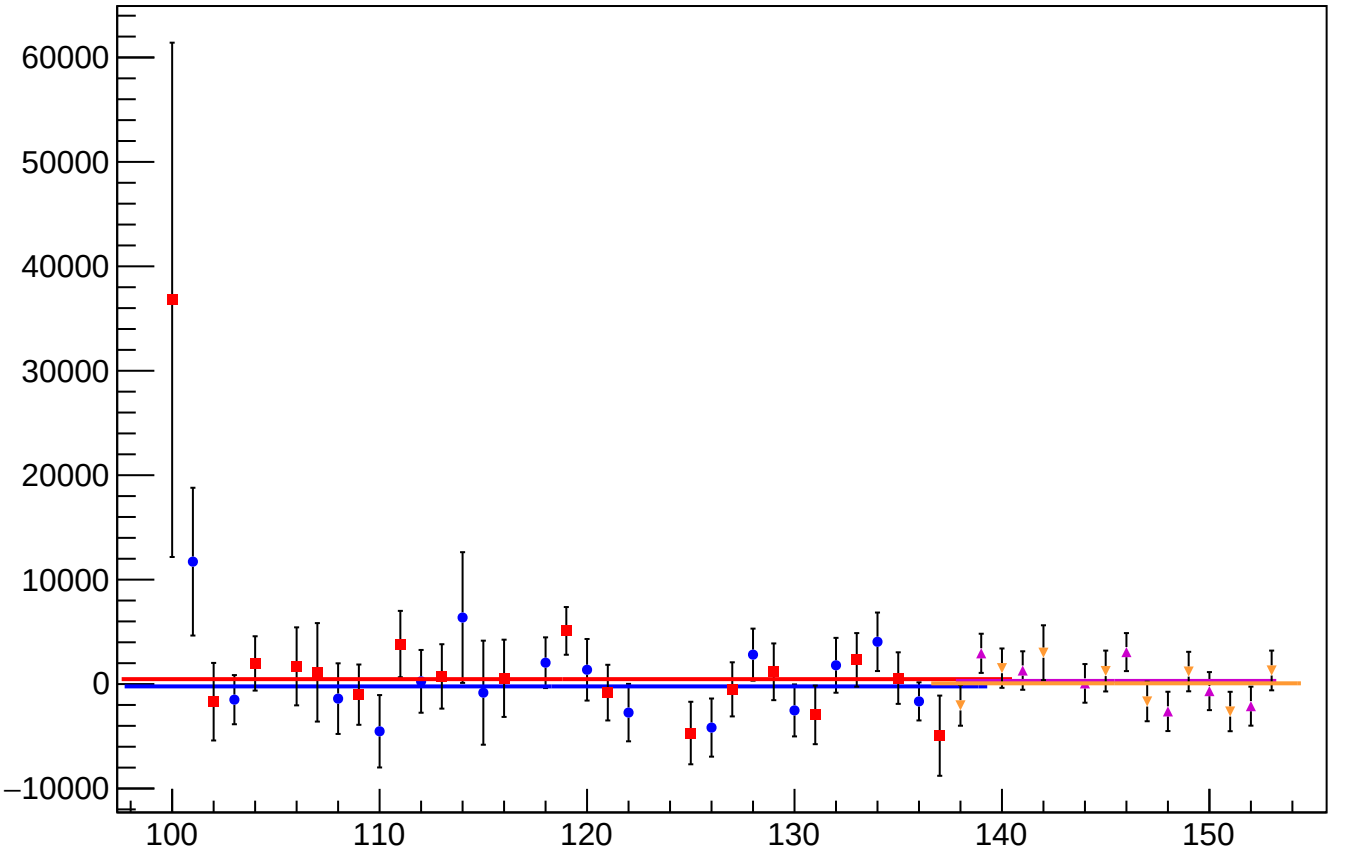
Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:16.0/22

Out: 0.000+/-0.000 χ^2/NDF:35.4/25

All: 0.000+/-0.000 χ^2/NDF: 51.9/48


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3296021.2/15
Left Out: 0.000+/-0.000 χ²/NDF:265101.4/7
Right Out: 0.000+/-0.000 χ²/NDF: 3789910.8/17
Left In: 0.000+/-0.000 χ²/NDF:332109.0/6
Left: 0.000+/-0.000 χ²/NDF: 600226.0/14
Right: 0.000+/-0.000 χ²/NDF: 7152698.2/33
In: 0.000+/-0.000 χ²/NDF:4400984.7/22
Out: 0.000+/-0.000 χ²/NDF:5251916.4/25
All: 0.000+/-0.000 χ²/NDF: 9657716.5/48



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 71.786+/-695.624 χ^2/NDF:7.0/7

Right Out: 472.410+/-711.475 χ^2/NDF: 15.9/17

Left In: 300.461+/-699.550 χ^2/NDF:9.0/6

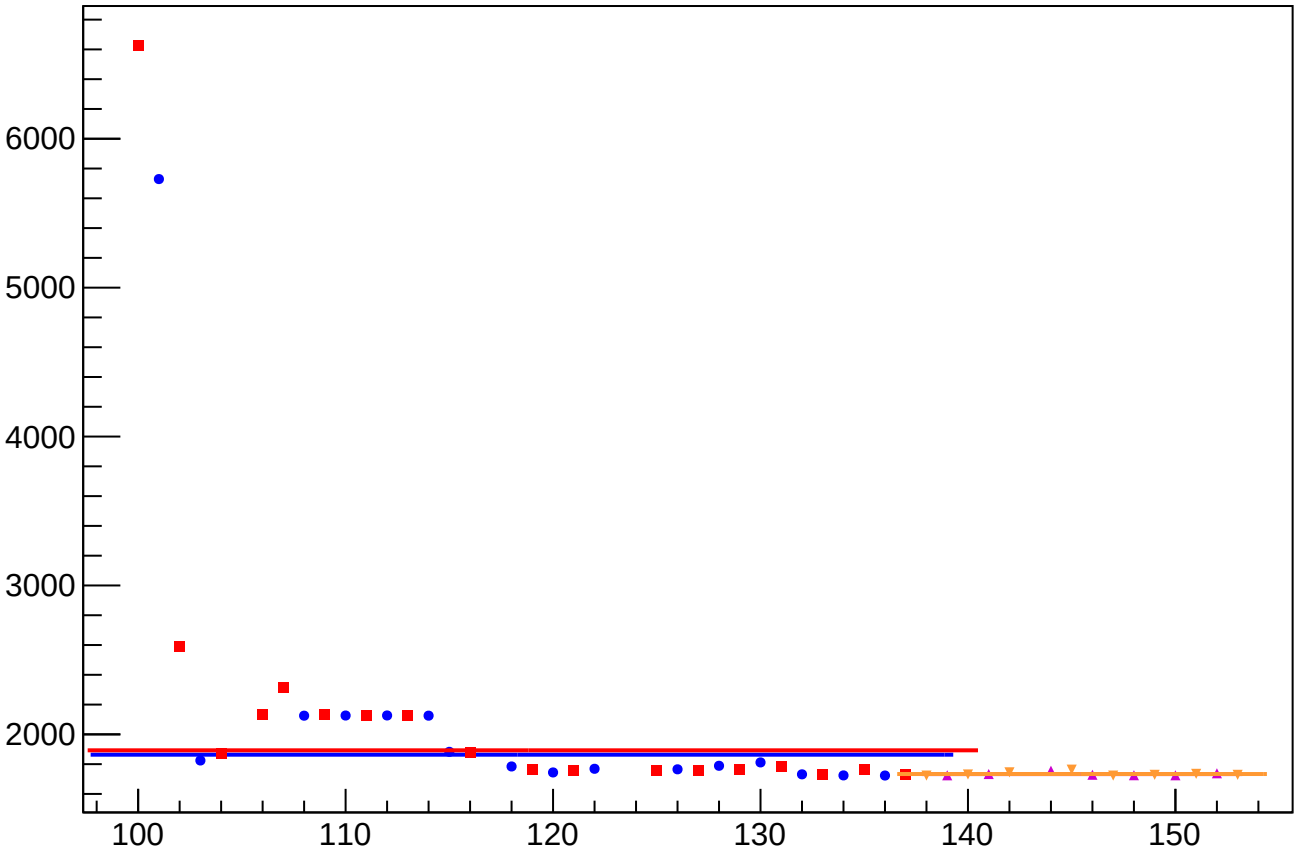
Left: 185.480+/-493.263 χ^2/NDF: 16.0/14

Right: 123.577+/-502.265 χ^2/NDF: 32.2/33

In: 42.308+/-498.016 χ^2/NDF:25.1/22

Out: 267.586+/-497.390 χ^2/NDF:23.1/25

All: 155.088+/-351.929 χ^2/NDF: 48.2/48



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1733.693+/-0.492 χ^2/NDF:646.5/7

Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1733.342+/-0.495 χ^2/NDF:435.3/6

Left: 1733.519+/-0.349 χ^2/NDF: 1082.1/14

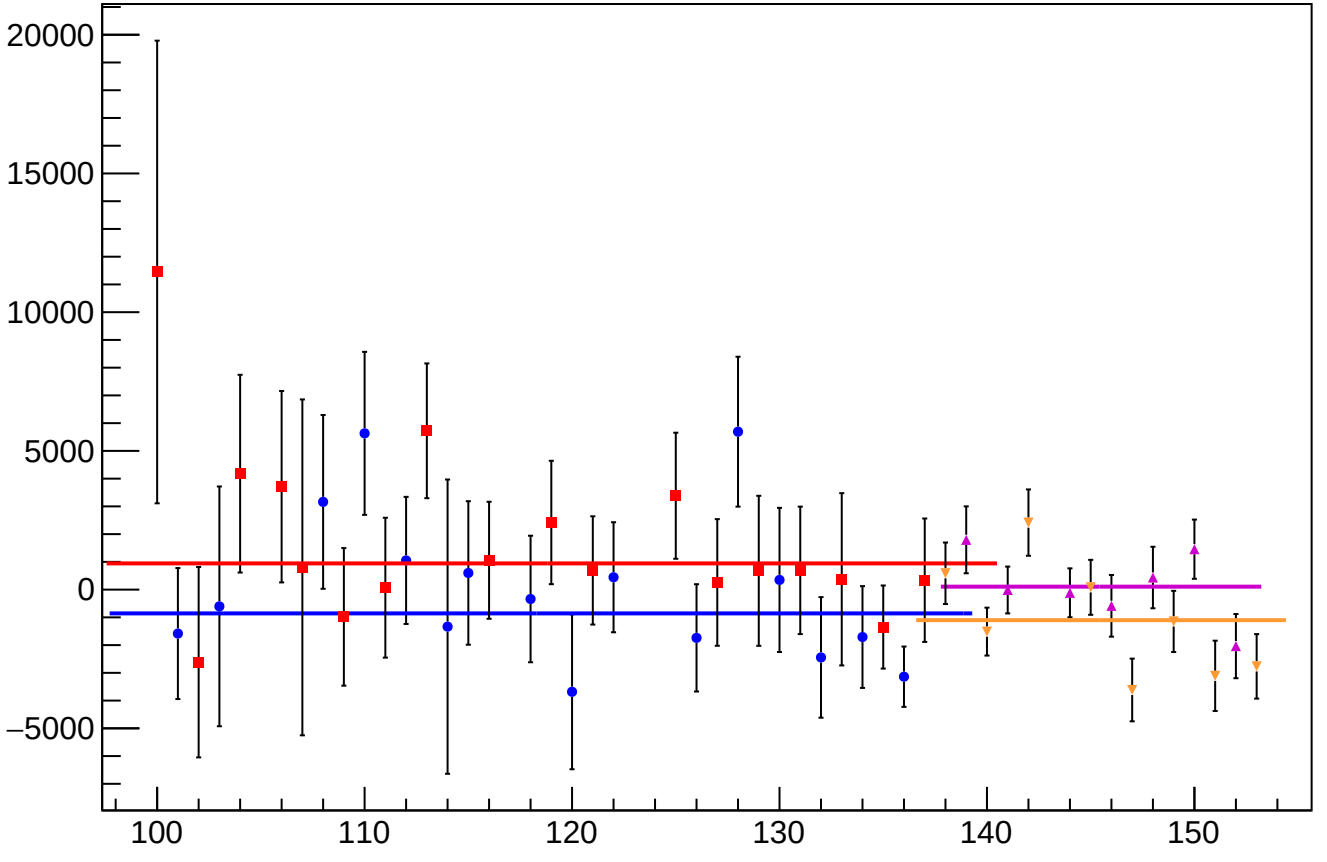
Right: 1878.175+/-0.355 χ^2/NDF: 927878.2/33

In: 1797.574+/-0.352 χ^2/NDF:709289.7/22

Out: 1811.487+/-0.352 χ^2/NDF:303338.4/25

All: 1804.539+/-0.249 χ^2/NDF: 1013409.5/48

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: -1101.461+/-382.342 χ^2/NDF:22.1/7

Right Out: 944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: 106.542+/-388.459 χ^2/NDF:7.6/6

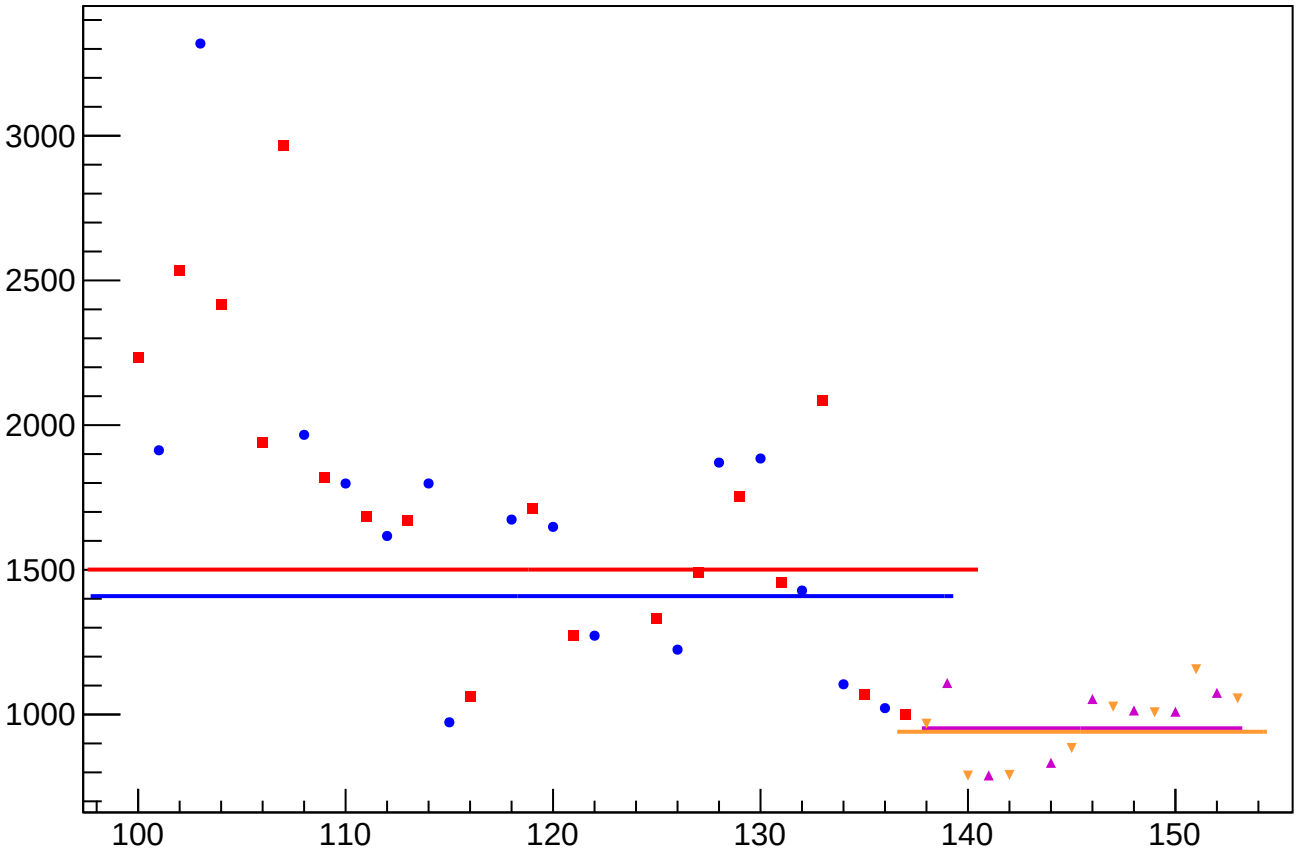
Left: -507.045+/-272.493 χ^2/NDF: 34.6/14

Right: -10.558+/-400.298 χ^2/NDF: 38.6/33

In: -214.403+/-317.257 χ^2/NDF:30.2/22

Out: -487.506+/-319.879 χ^2/NDF:43.6/25

All: -349.831+/-225.256 χ^2/NDF: 74.2/48



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 940.388+/-0.270 χ^2/NDF:197304.5/7

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

Left In: 952.272+/-0.275 χ^2/NDF:195769.9/6

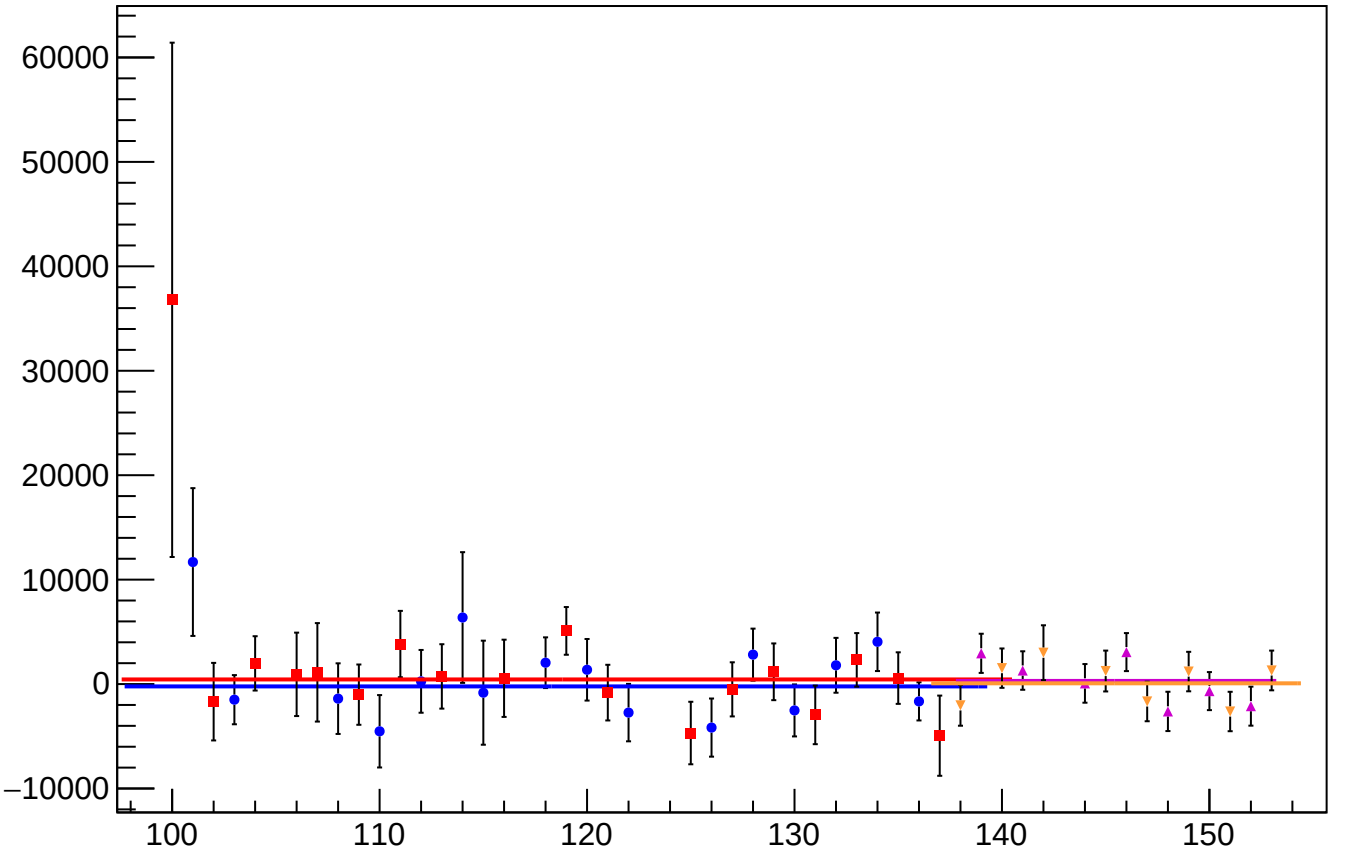
Left: 946.236+/-0.193 χ^2/NDF: 394025.2/14

Right: 1452.187+/-0.283 χ^2/NDF: 2224621.1/33

In: 1104.389+/-0.224 χ^2/NDF:2284489.8/22

Out: 1108.540+/-0.226 χ^2/NDF:2517320.9/25

All: 1106.447+/-0.159 χ^2/NDF: 4801980.4/48



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 71.899+/-695.624 χ^2/NDF:7.0/7

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 300.465+/-699.550 χ^2/NDF:9.0/6

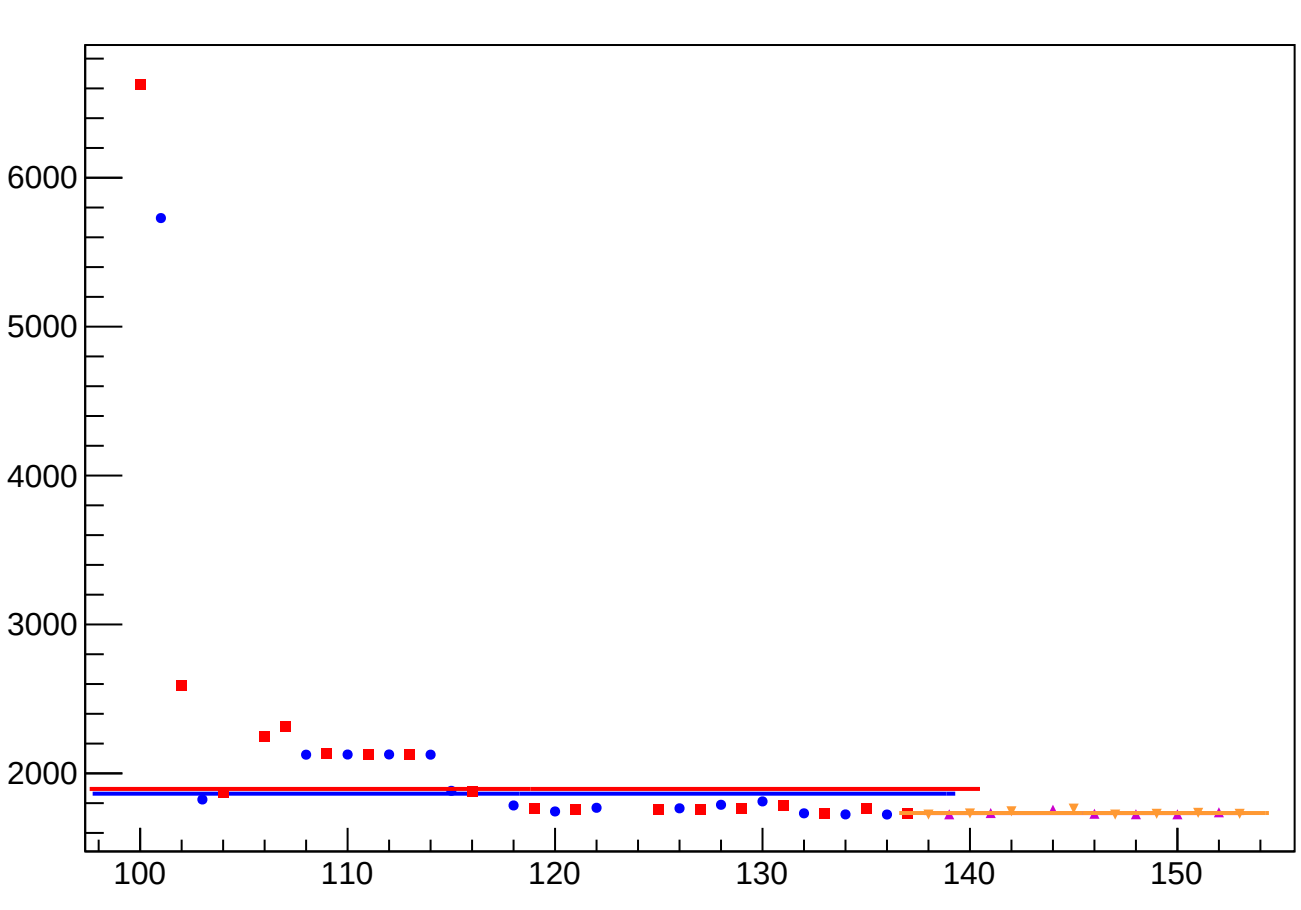
Left: 185.539+/-493.263 χ^2/NDF: 16.0/14

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 41.928+/-498.016 χ^2/NDF:25.1/22

Out: 252.857+/-497.944 χ^2/NDF:22.9/25

All: 147.408+/-352.125 χ^2/NDF: 48.1/48



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1733.693+/-0.492 χ^2/NDF:646.5/7

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.342+/-0.495 χ^2/NDF:435.3/6

Left: 1733.519+/-0.349 χ^2/NDF: 1082.1/14

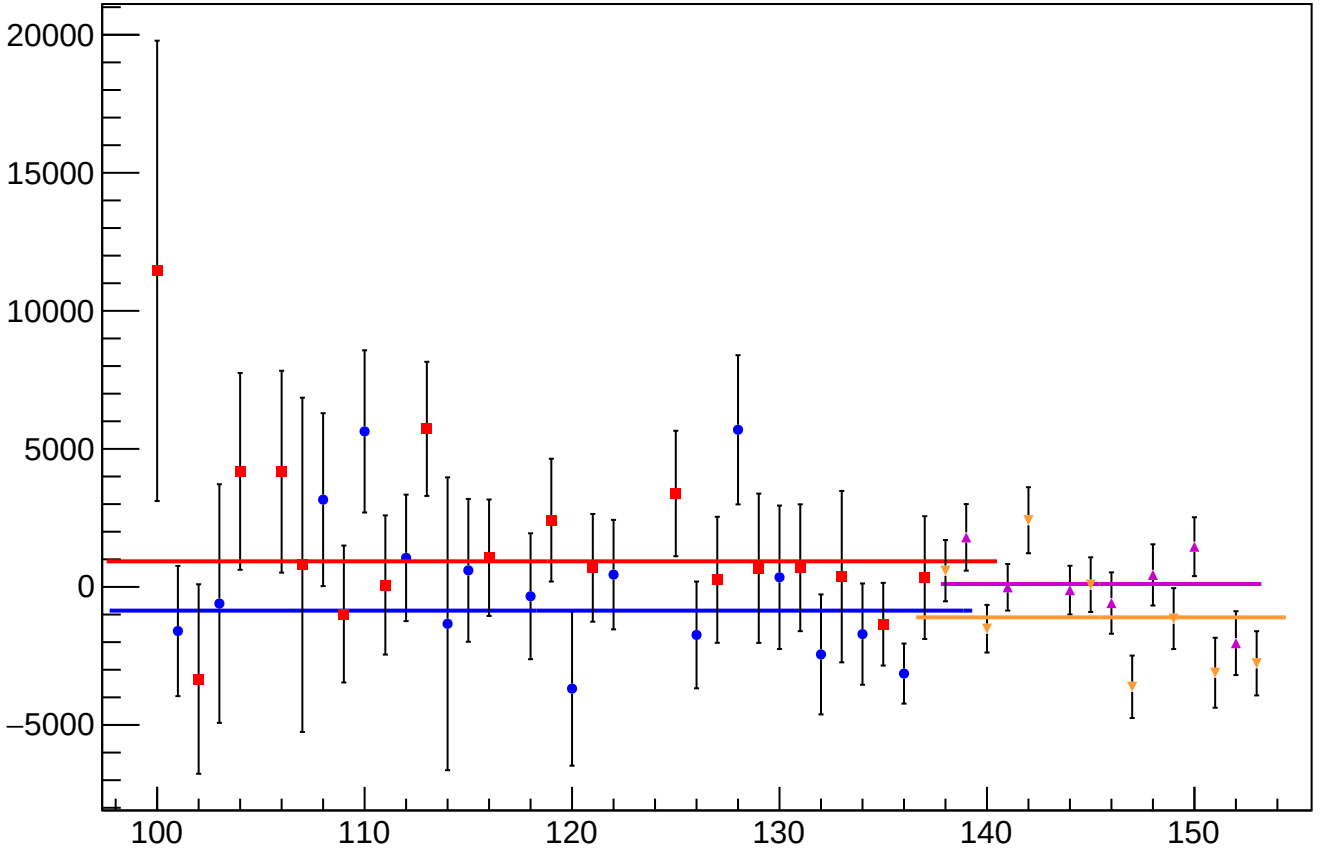
Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1797.574+/-0.352 χ^2/NDF:709289.6/22

Out: 1812.586+/-0.352 χ^2/NDF:312576.4/25

All: 1805.081+/-0.249 χ^2/NDF: 1022774.7/48

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: -1101.456+/-382.342 χ^2/NDF:22.1/7

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 106.648+/-388.456 χ^2/NDF:7.6/6

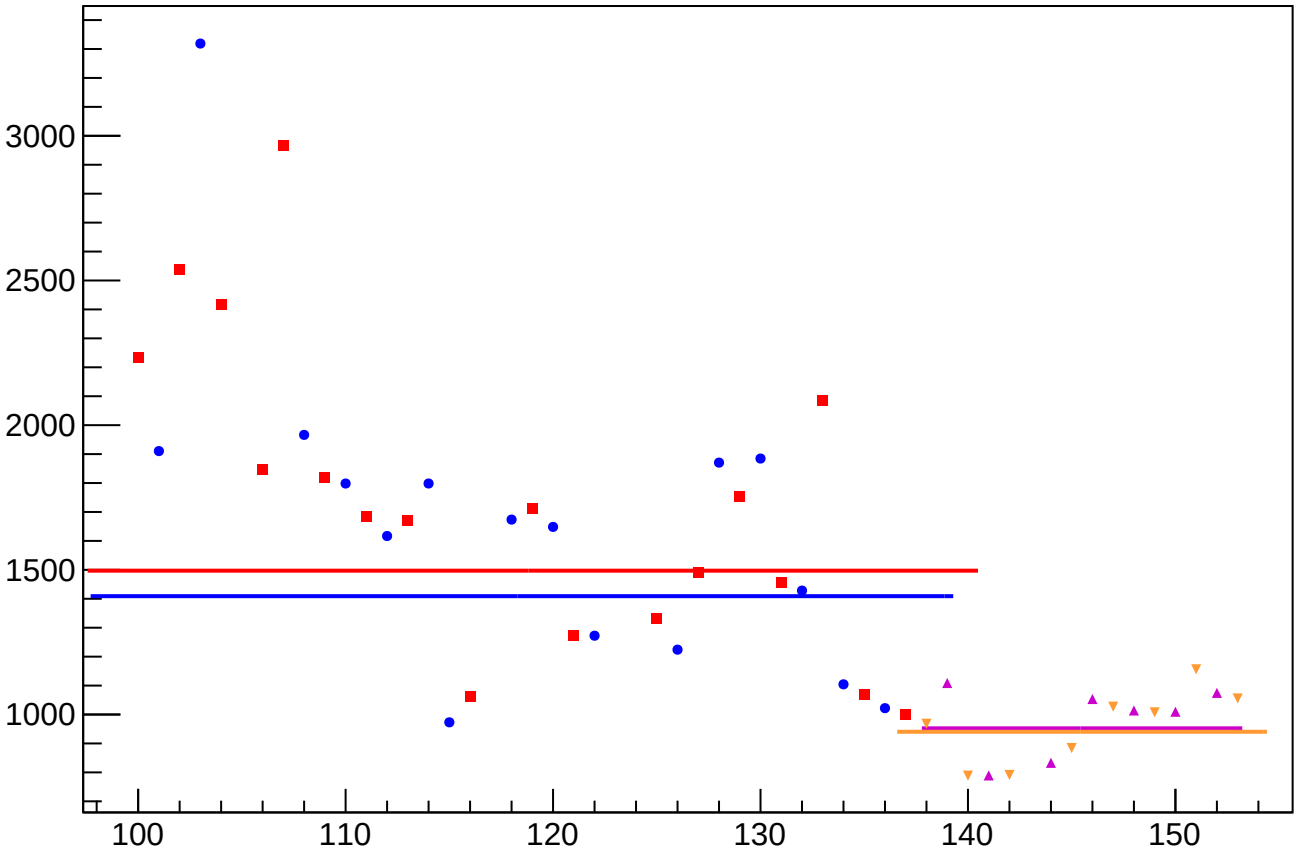
Left: -506.985+/-272.493 χ^2/NDF: 34.6/14

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -214.636+/-317.248 χ^2/NDF:30.2/22

Out: -494.098+/-320.030 χ^2/NDF:44.1/25

All: -353.147+/-225.305 χ^2/NDF: 74.7/48



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 940.390+/-0.270 χ^2/NDF:197270.6/7

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 952.264+/-0.275 χ^2/NDF:195778.7/6

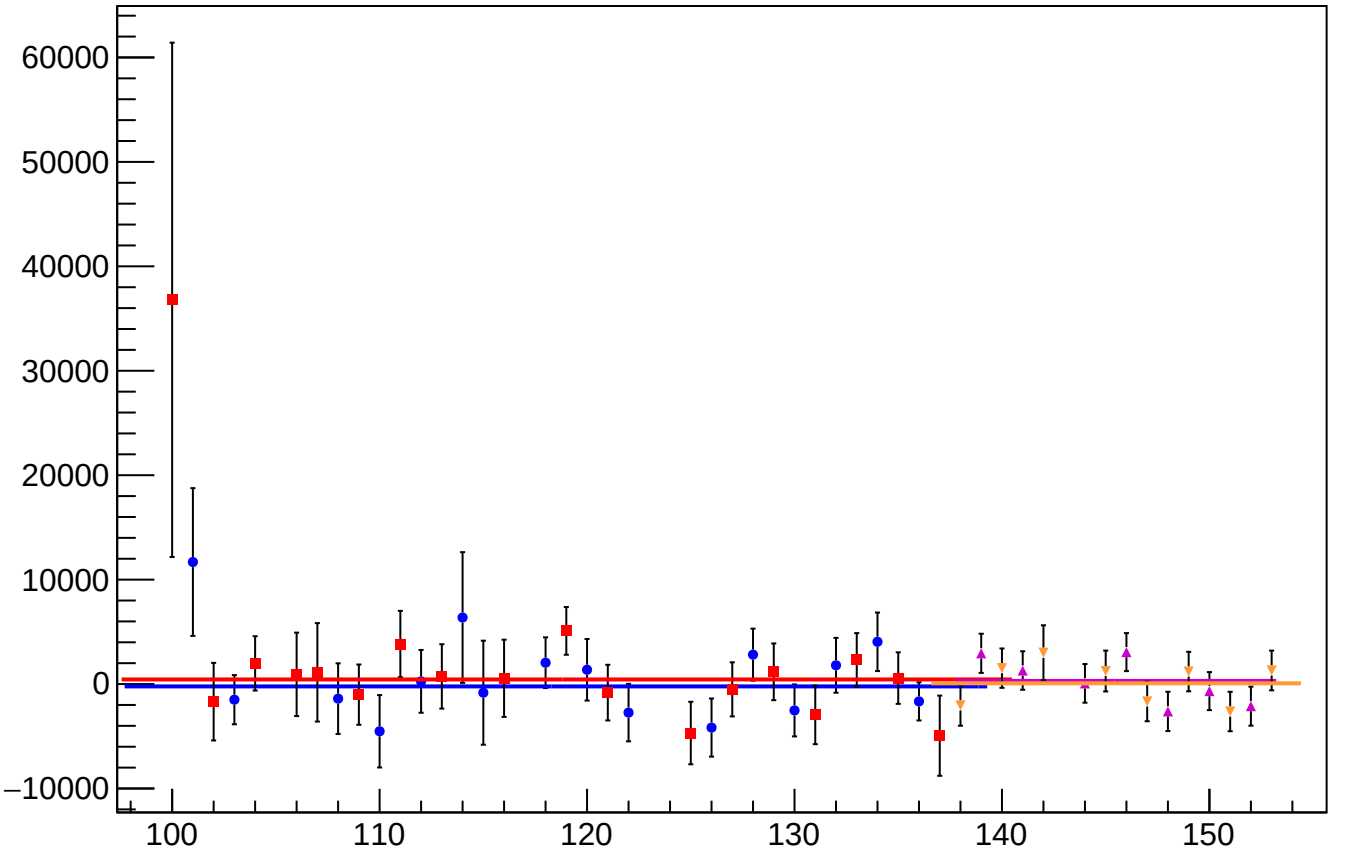
Left: 946.233+/-0.193 χ^2/NDF: 393998.5/14

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1104.372+/-0.224 χ^2/NDF:2283676.4/22

Out: 1107.078+/-0.226 χ^2/NDF:2485081.6/25

All: 1105.713+/-0.159 χ^2/NDF: 4768830.1/48



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 71.899+/-695.624 χ^2/NDF:7.0/7

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 300.465+/-699.550 χ^2/NDF:9.0/6

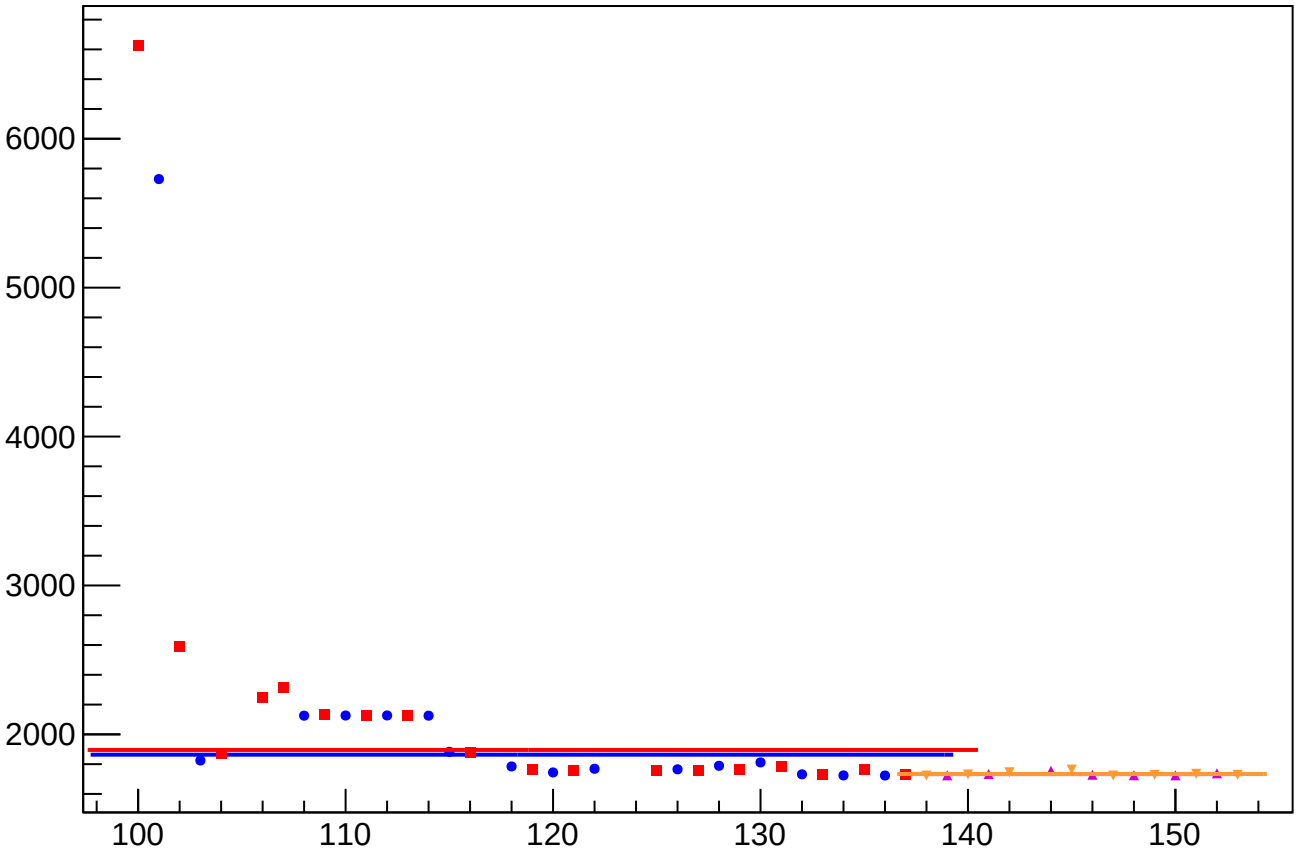
Left: 185.539+/-493.263 χ^2/NDF: 16.0/14

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 41.928+/-498.016 χ^2/NDF:25.1/22

Out: 252.857+/-497.944 χ^2/NDF:22.9/25

All: 147.408+/-352.125 χ^2/NDF: 48.1/48



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1733.693+/-0.492 χ^2/NDF:646.5/7

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.342+/-0.495 χ^2/NDF:435.3/6

Left: 1733.519+/-0.349 χ^2/NDF: 1082.1/14

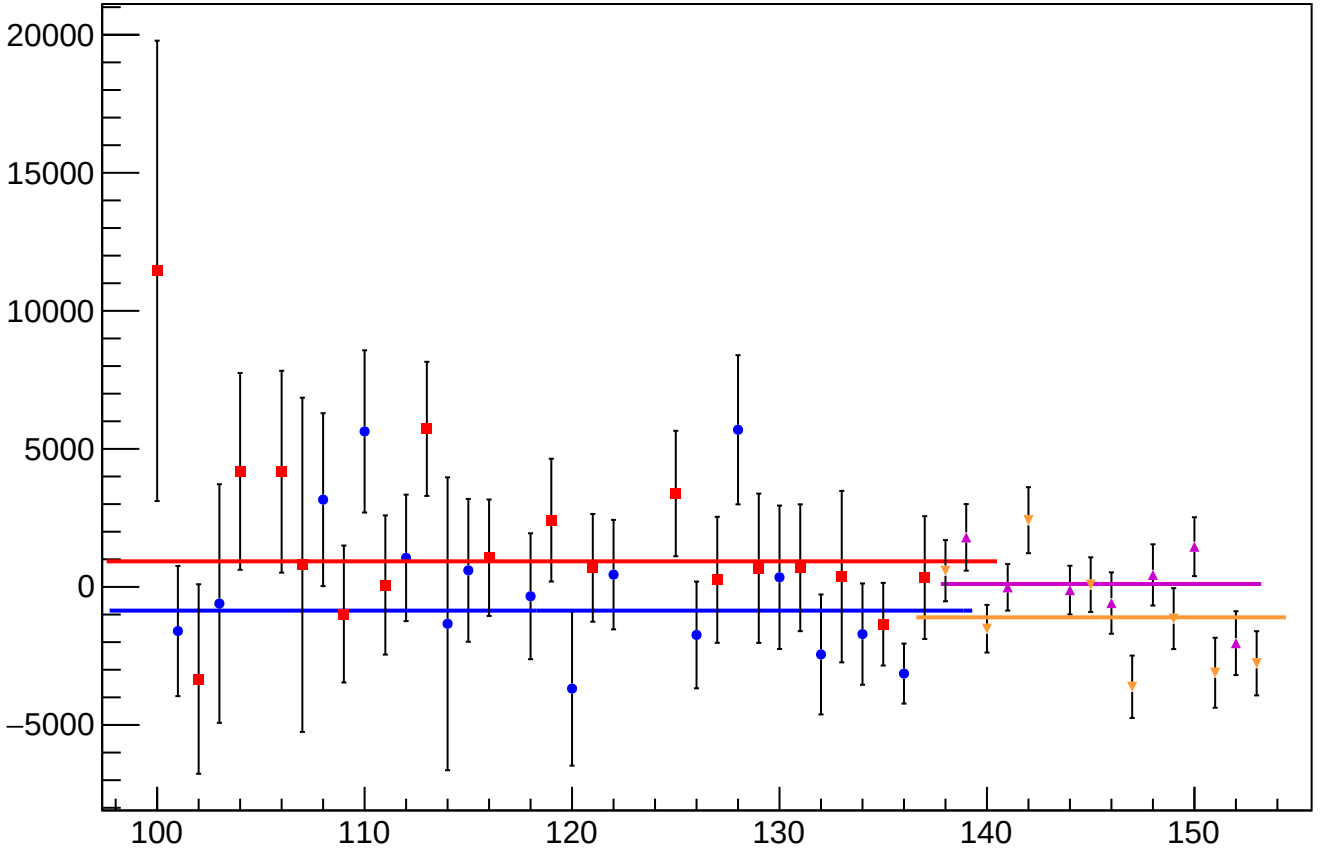
Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1797.574+/-0.352 χ^2/NDF:709289.6/22

Out: 1812.586+/-0.352 χ^2/NDF:312576.4/25

All: 1805.081+/-0.249 χ^2/NDF: 1022774.7/48

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: -1101.456+/-382.342 χ^2/NDF:22.1/7

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 106.648+/-388.456 χ^2/NDF:7.6/6

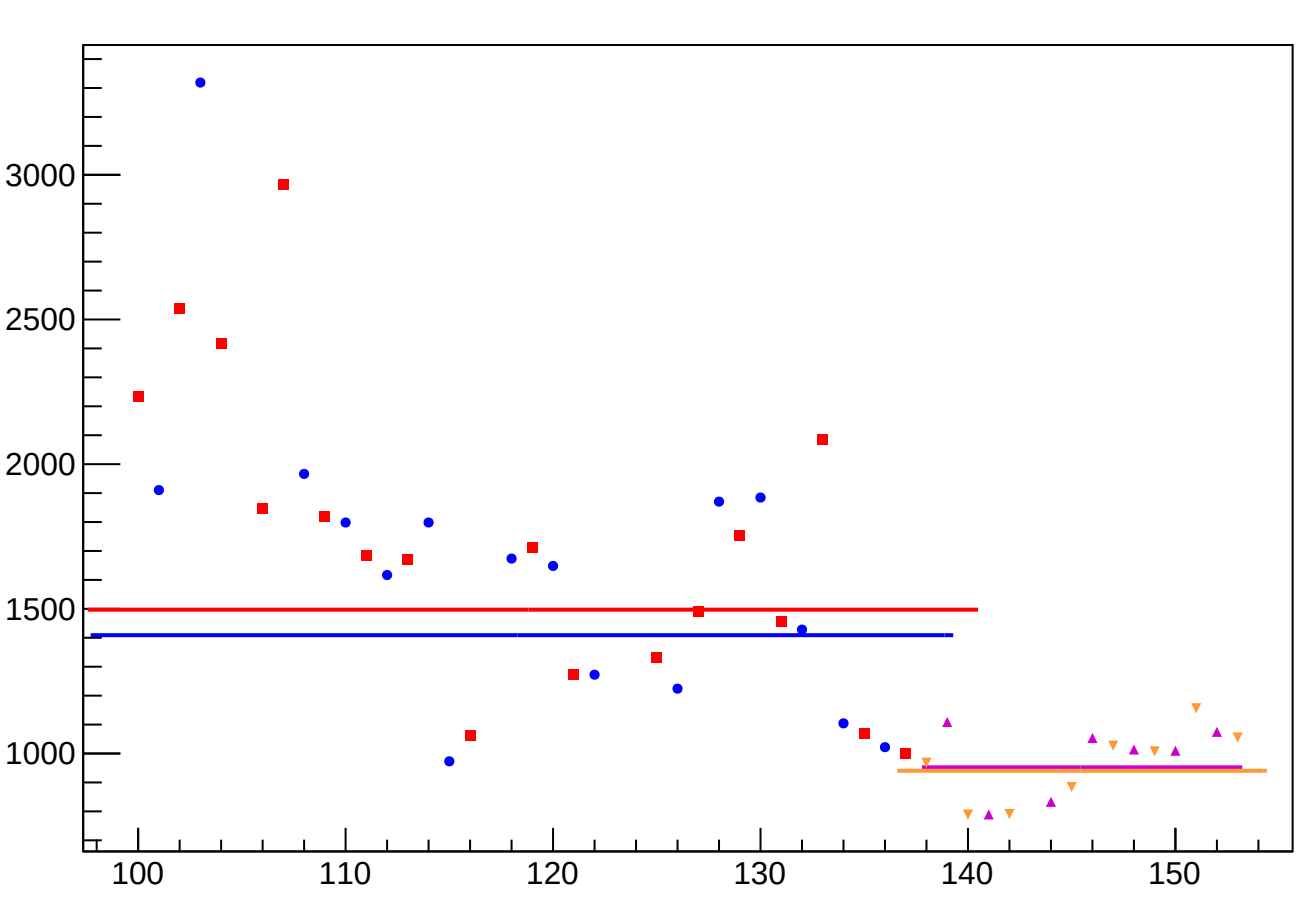
Left: -506.985+/-272.493 χ^2/NDF: 34.6/14

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -214.636+/-317.248 χ^2/NDF:30.2/22

Out: -494.098+/-320.030 χ^2/NDF:44.1/25

All: -353.147+/-225.305 χ^2/NDF: 74.7/48



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 940.390+/-0.270 χ^2/NDF:197270.6/7

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 952.264+/-0.275 χ^2/NDF:195778.7/6

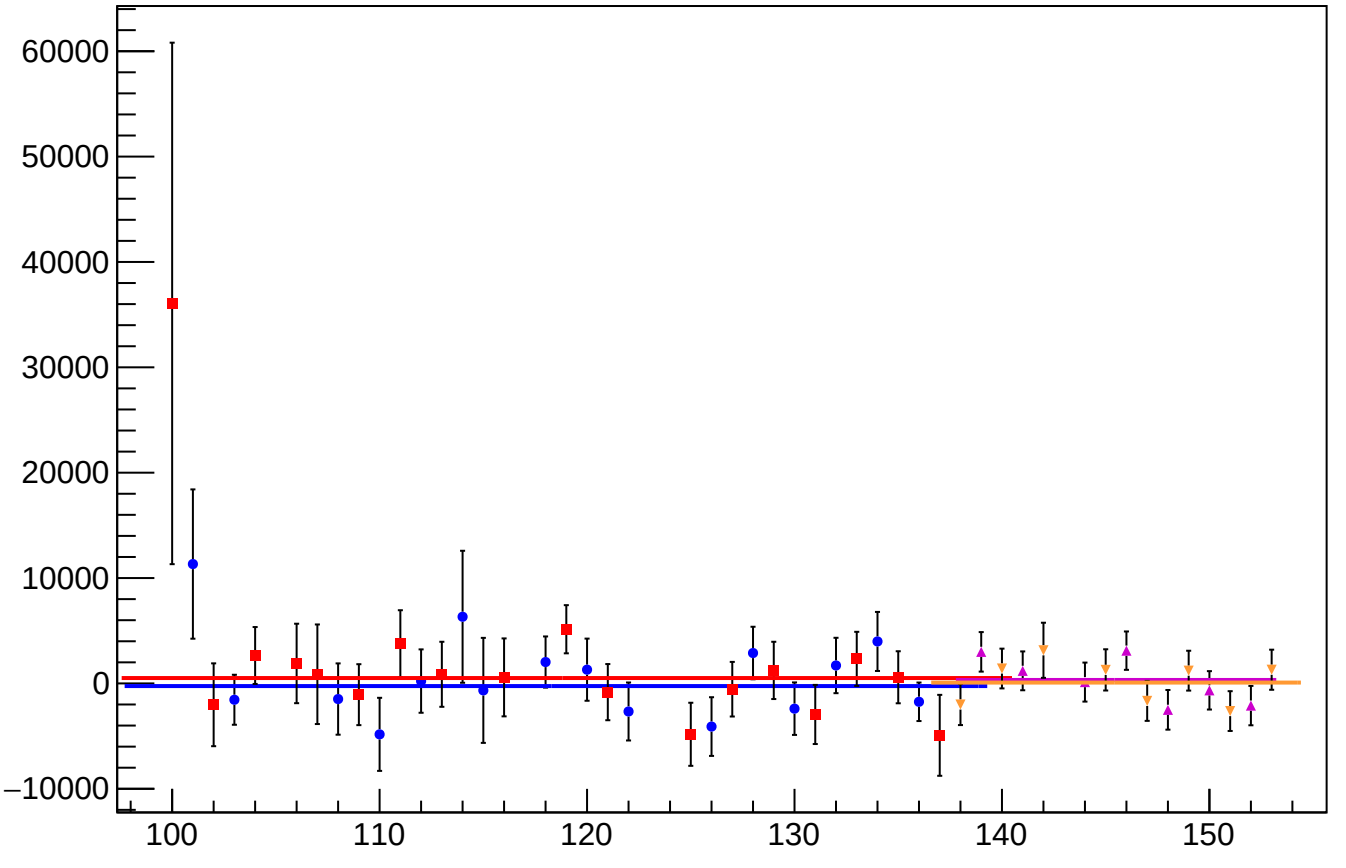
Left: 946.233+/-0.193 χ^2/NDF: 393998.5/14

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1104.372+/-0.224 χ^2/NDF:2283676.4/22

Out: 1107.078+/-0.226 χ^2/NDF:2485081.6/25

All: 1105.713+/-0.159 χ^2/NDF: 4768830.1/48



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: 80.204+/-695.781 χ^2/NDF:7.1/7

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 327.325+/-699.886 χ^2/NDF:8.8/6

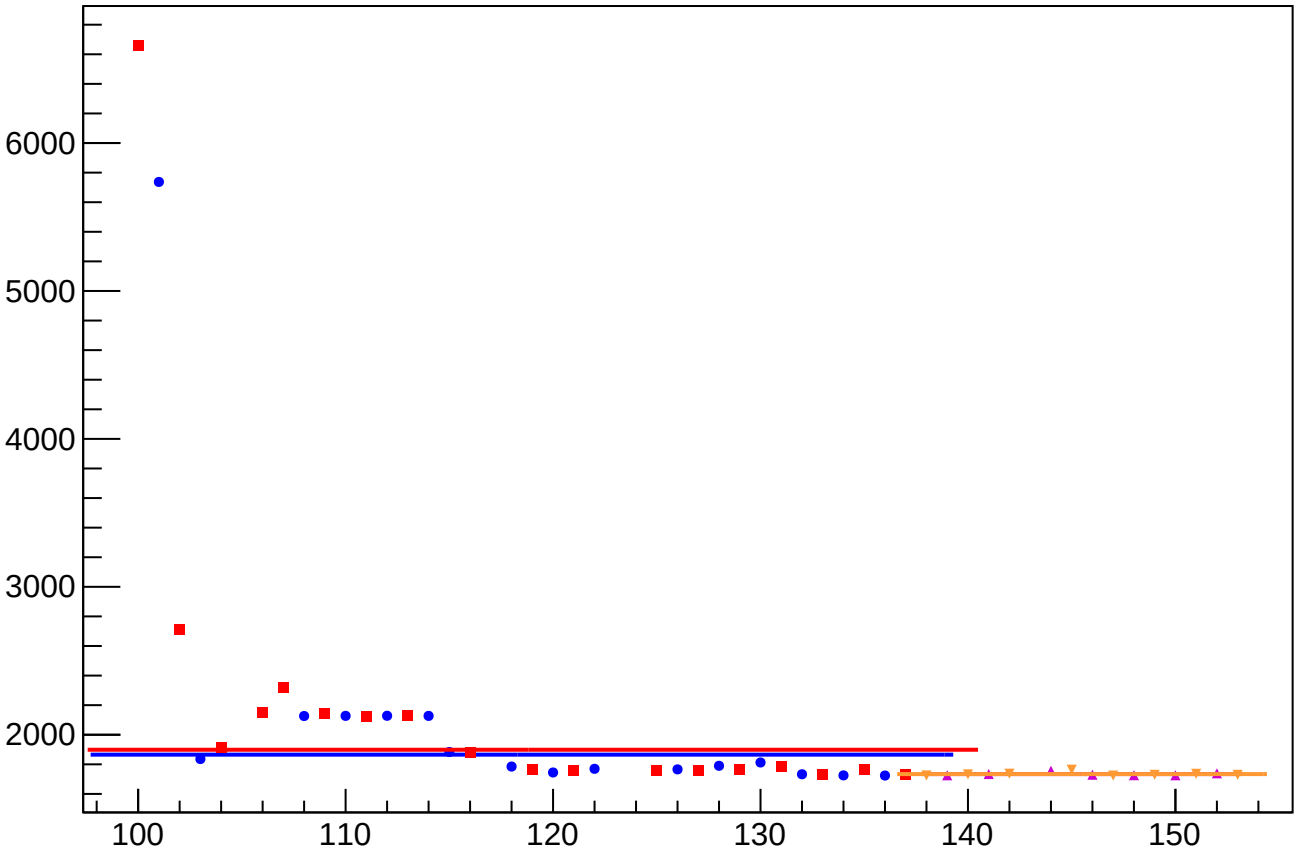
Left: 203.037+/-493.436 χ^2/NDF: 16.0/14

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 41.795+/-498.422 χ^2/NDF:24.8/22

Out: 289.172+/-498.797 χ^2/NDF:23.6/25

All: 165.390+/-352.570 χ^2/NDF: 48.6/48



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1734.008+/-0.492 χ^2/NDF:598.4/7

Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1734.174+/-0.495 χ^2/NDF:434.9/6

Left: 1734.091+/-0.349 χ^2/NDF: 1033.3/14

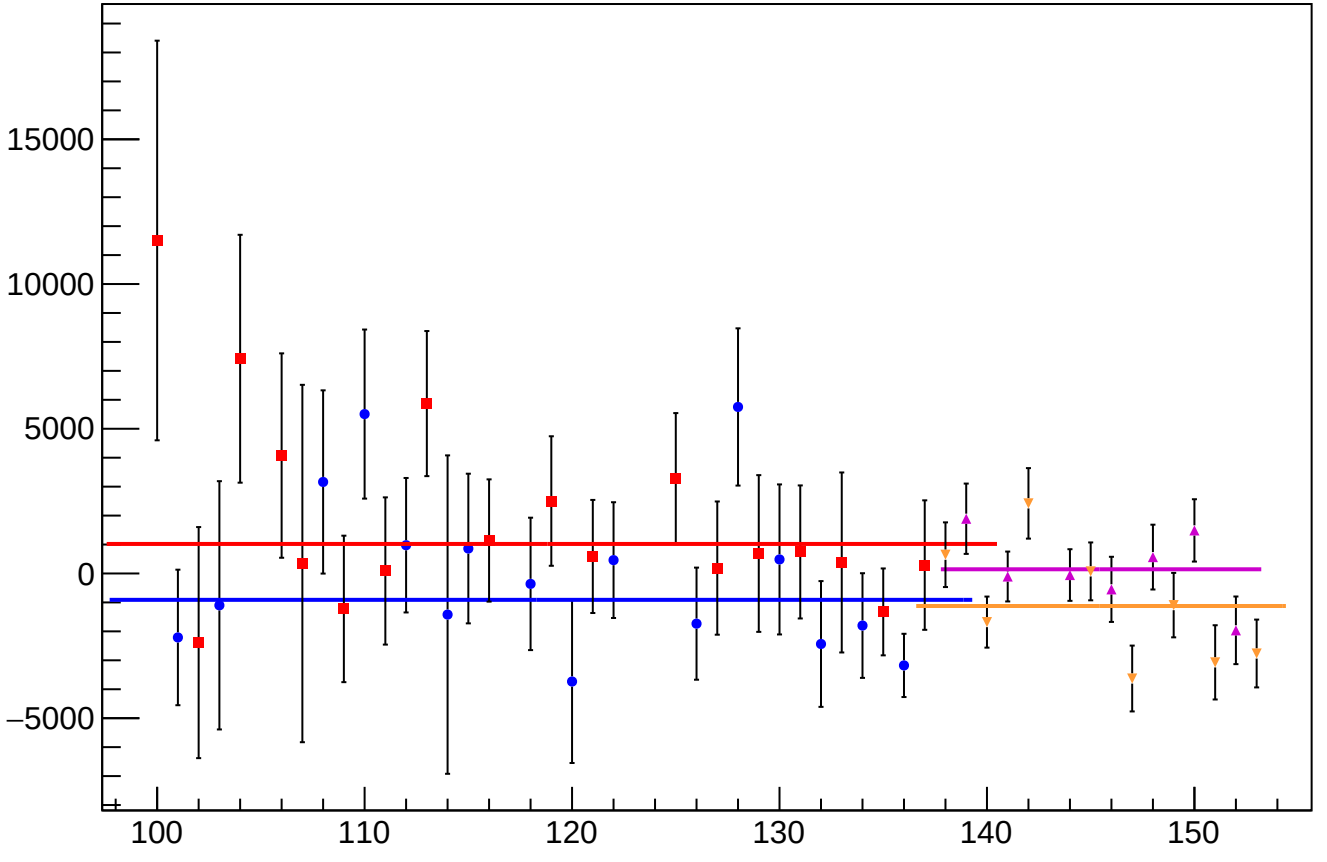
Right: 1881.894+/-0.356 χ^2/NDF: 946264.8/33

In: 1798.868+/-0.352 χ^2/NDF:710097.3/22

Out: 1814.013+/-0.353 χ^2/NDF:324110.6/25

All: 1806.435+/-0.249 χ^2/NDF: 1035130.6/48

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: -1123.924+/-387.011 χ^2/NDF:21.9/7

Right Out: 1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: 144.644+/-393.312 χ^2/NDF:7.5/6

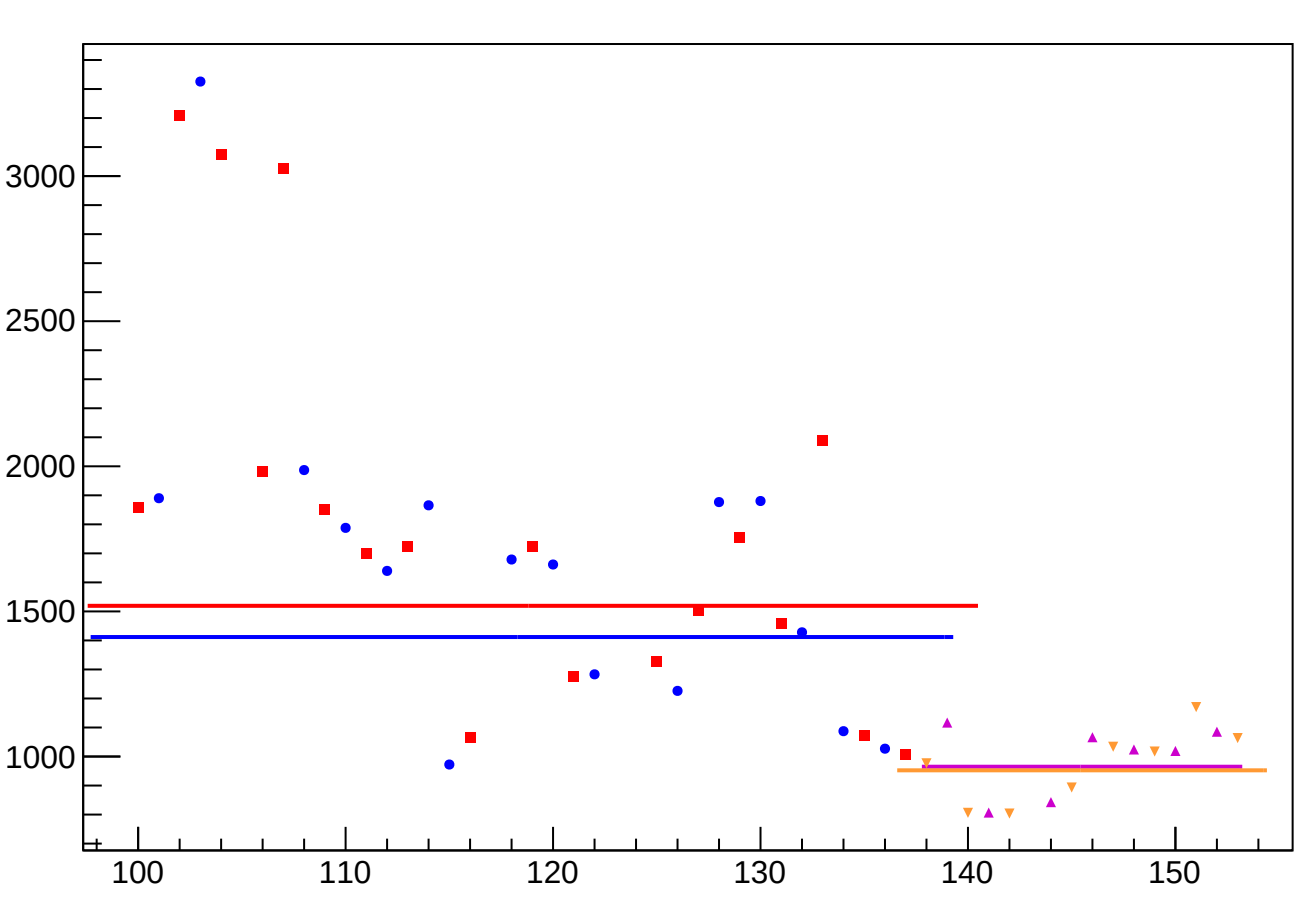
Left: -499.883+/-275.859 χ^2/NDF: 34.8/14

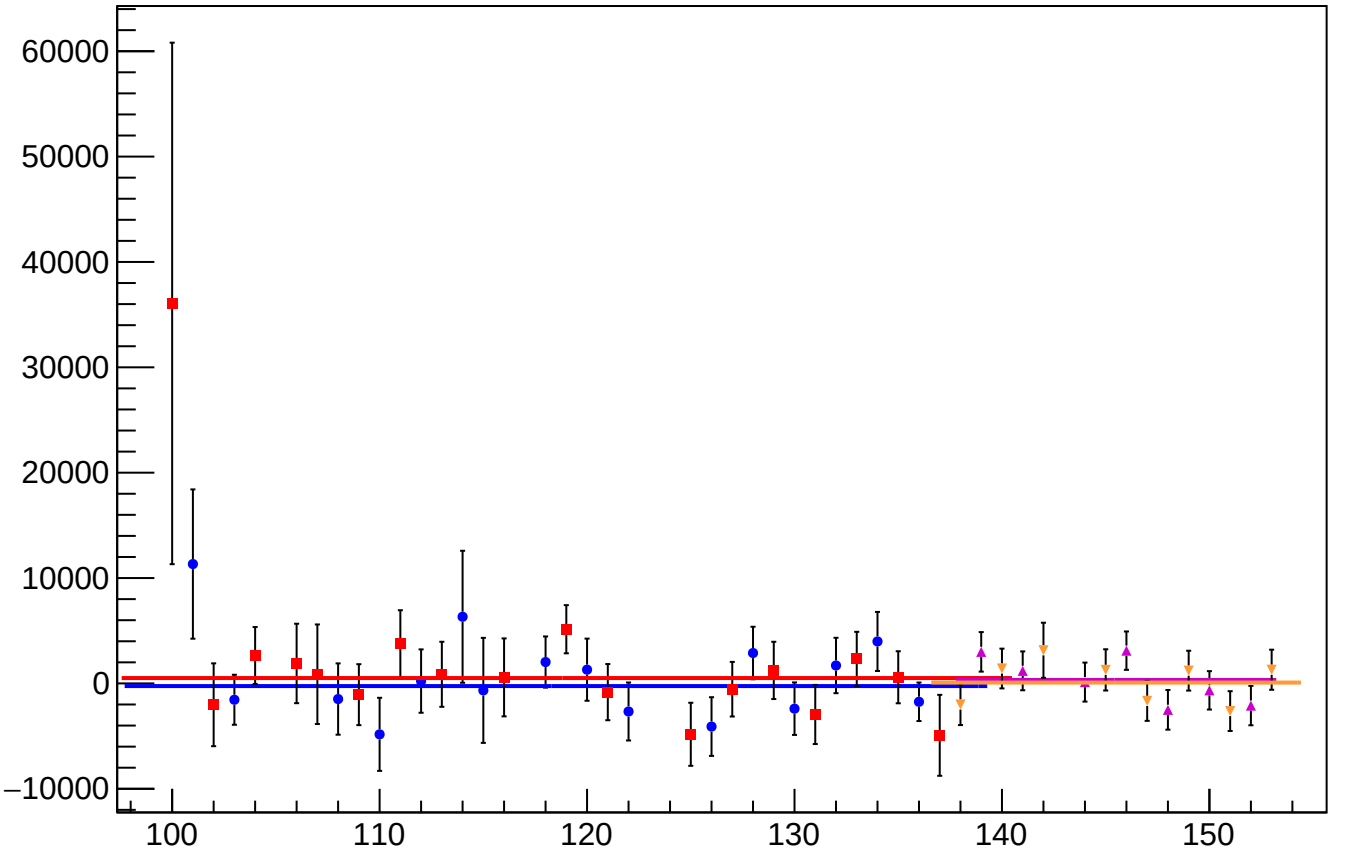
Right: -14.232+/-403.141 χ^2/NDF: 41.6/33

In: -211.806+/-320.090 χ^2/NDF:31.0/22

Out: -481.367+/-323.867 χ^2/NDF:46.1/25

All: -345.005+/-227.662 χ^2/NDF: 77.4/48


asym_us_dd_at1lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
100
110
120
130
140
150
Right In: 1411.748+/-0.389 χ²/NDF: 1177745.4/15
Left Out: 952.460+/-0.274 χ²/NDF:185677.2/7
Right Out: 1519.305+/-0.418 χ²/NDF: 1360145.6/17
Left In: 964.883+/-0.278 χ²/NDF:184392.6/6
Left: 958.571+/-0.195 χ²/NDF: 371083.5/14
Right: 1461.694+/-0.285 χ²/NDF: 2573300.6/33
In: 1115.779+/-0.226 χ²/NDF:2233920.6/22
Out: 1122.340+/-0.229 χ²/NDF:2831672.9/25
All: 1119.021+/-0.161 χ²/NDF: 5066008.8/48



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

Left Out: 80.201+/-695.781 χ^2/NDF:7.1/7

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 327.326+/-699.886 χ^2/NDF:8.8/6

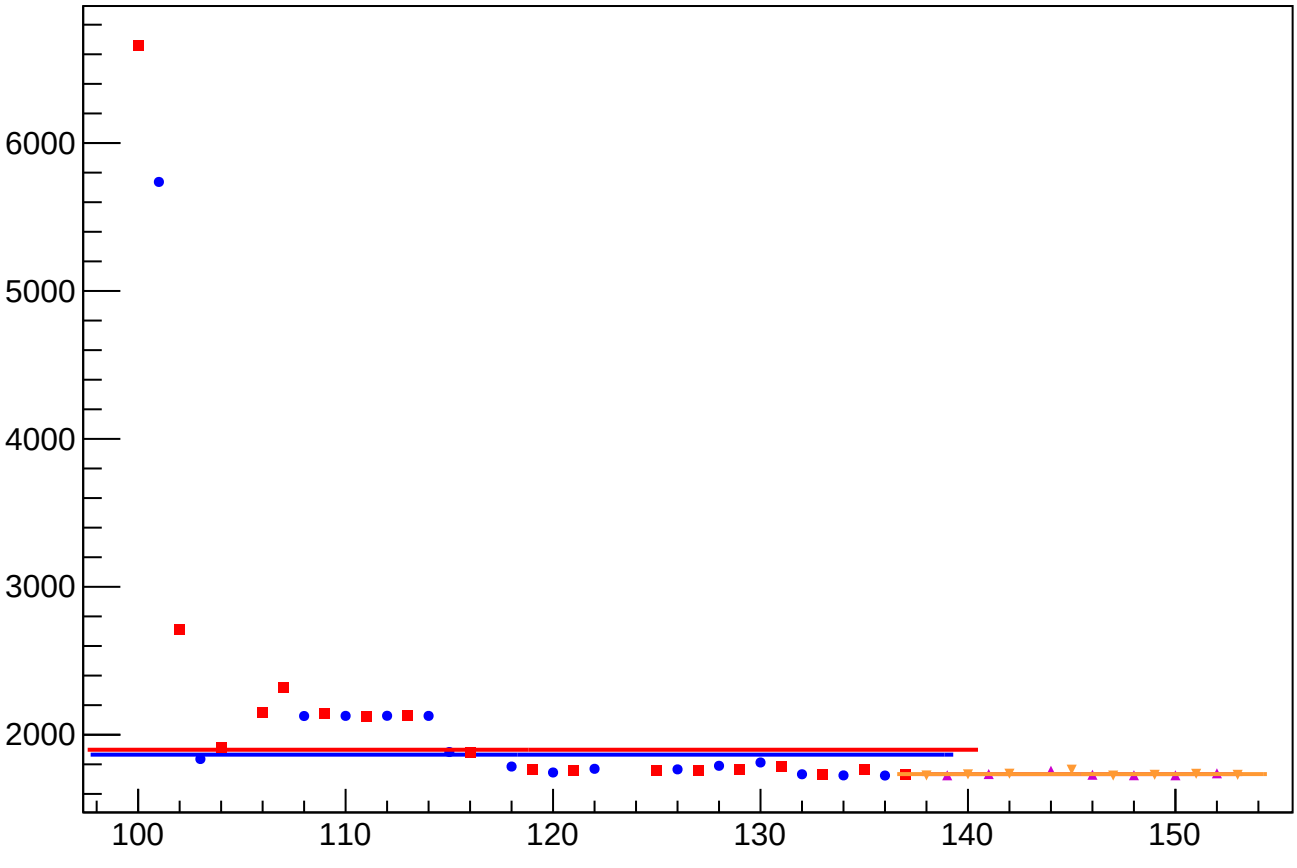
Left: 203.037+/-493.436 χ^2/NDF: 16.0/14

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 41.796+/-498.422 χ^2/NDF:24.8/22

Out: 289.170+/-498.797 χ^2/NDF:23.6/25

All: 165.390+/-352.570 χ^2/NDF: 48.6/48



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1734.008+/-0.492 χ^2/NDF:598.4/7

Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

Left In: 1734.174+/-0.495 χ^2/NDF:434.9/6

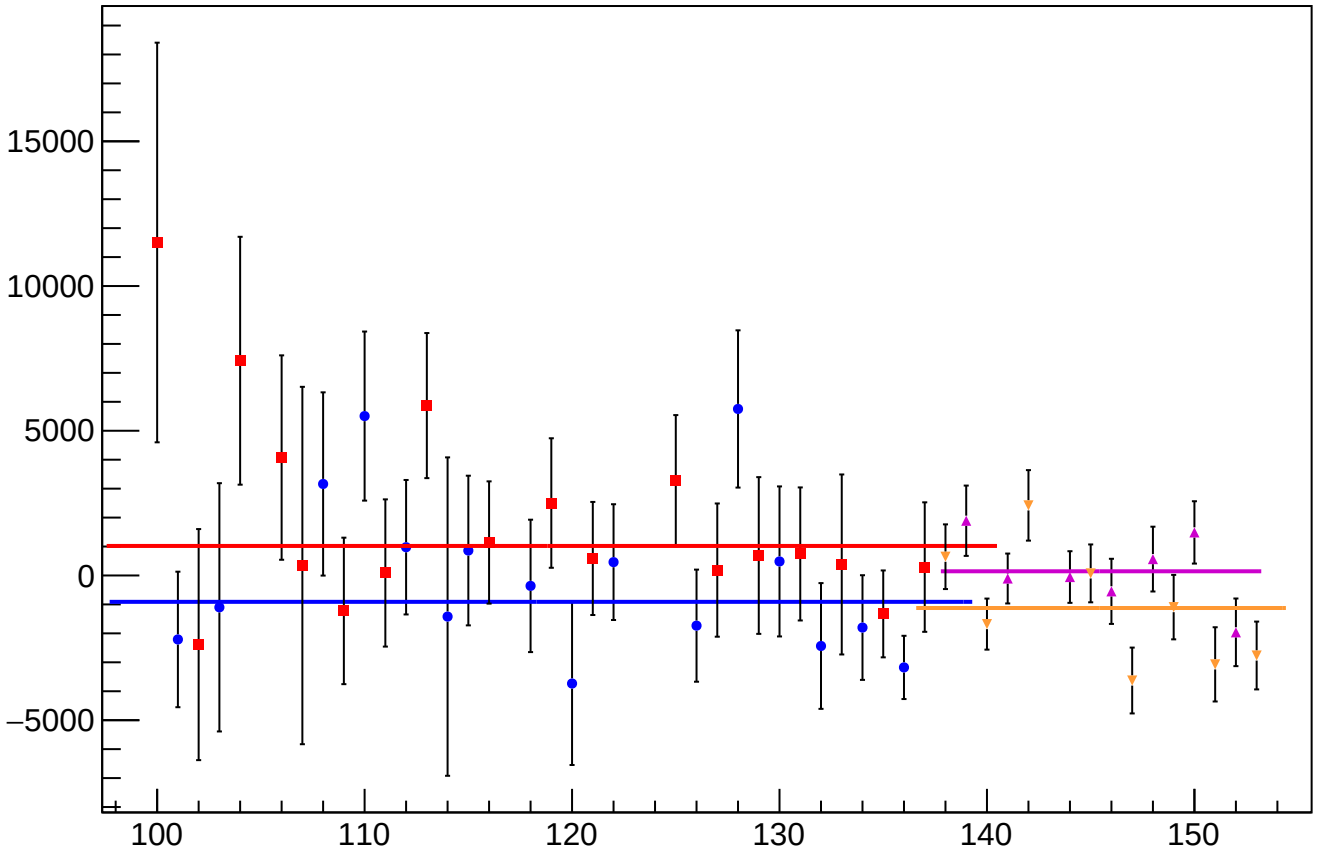
Left: 1734.091+/-0.349 χ^2/NDF: 1033.3/14

Right: 1881.894+/-0.356 χ^2/NDF: 946264.6/33

In: 1798.868+/-0.352 χ^2/NDF:710097.3/22

Out: 1814.013+/-0.353 χ^2/NDF:324110.4/25

All: 1806.435+/-0.249 χ^2/NDF: 1035130.3/48



Right In: -910.950+/-550.835 χ^2/NDF: 21.0/15

Left Out: -1123.923+/-387.010 χ^2/NDF:21.9/7

Right Out: 1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: 144.643+/-393.312 χ^2/NDF:7.5/6

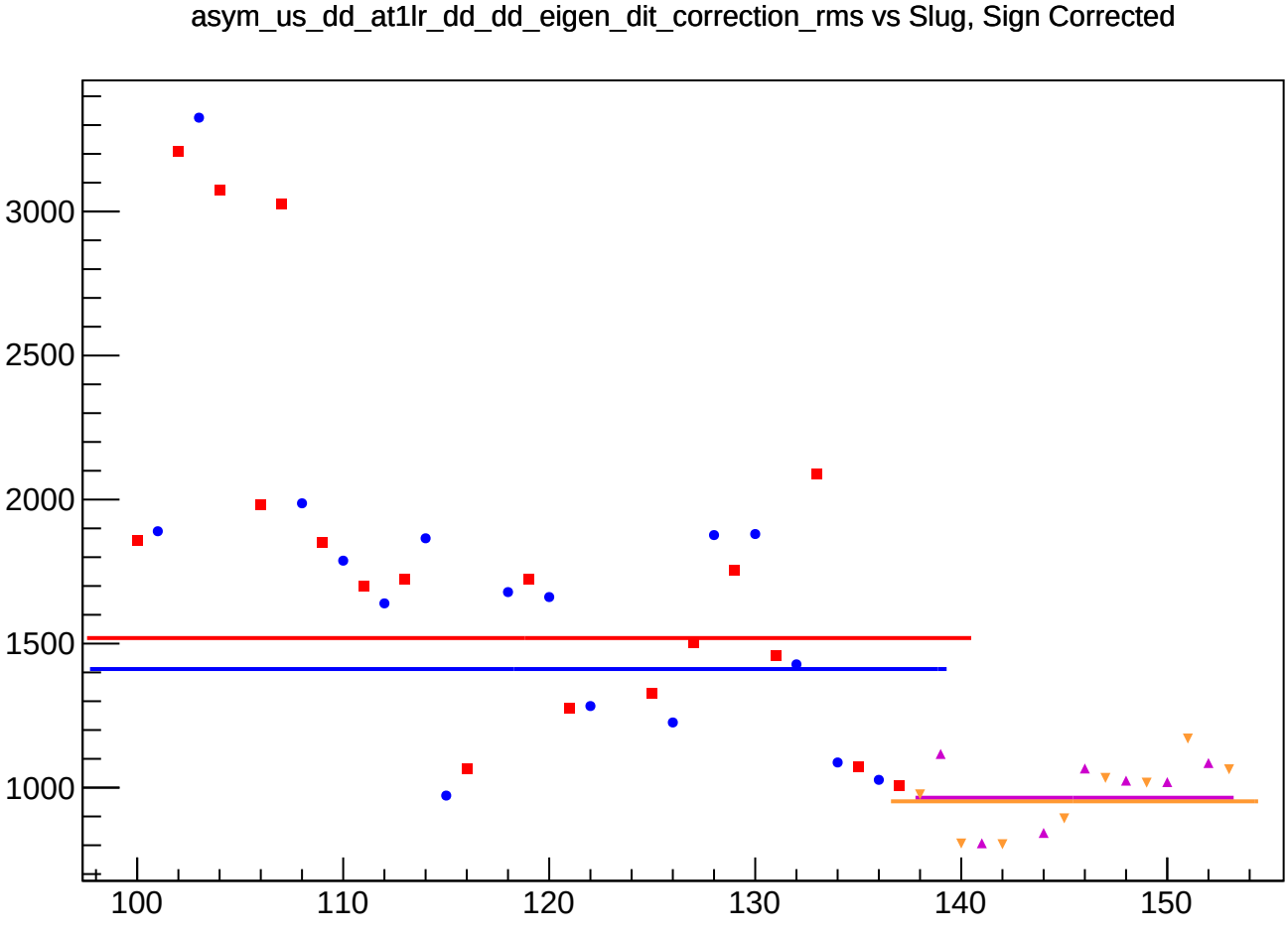
Left: -499.884+/-275.859 χ^2/NDF: 34.8/14

Right: -14.230+/-403.141 χ^2/NDF: 41.6/33

In: -211.806+/-320.090 χ^2/NDF:31.0/22

Out: -481.366+/-323.867 χ^2/NDF:46.1/25

All: -345.005+/-227.661 χ^2/NDF: 77.4/48



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 952.459+/-0.274 χ^2/NDF:185683.4/7

Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

Left In: 964.883+/-0.278 χ^2/NDF:184397.9/6

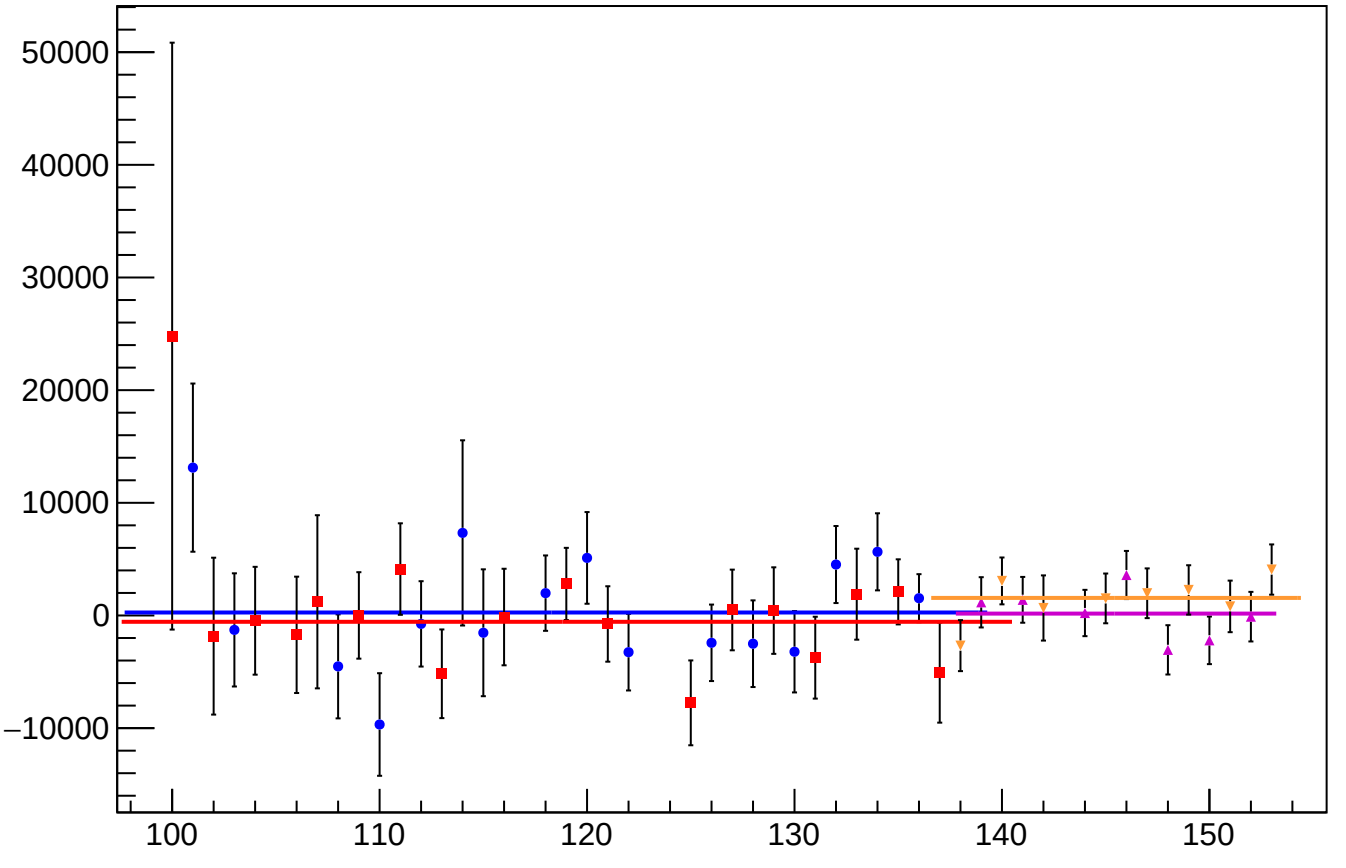
Left: 958.571+/-0.195 χ^2/NDF: 371095.2/14

Right: 1461.691+/-0.285 χ^2/NDF: 2573306.2/33

In: 1115.778+/-0.226 χ^2/NDF:2233917.7/22

Out: 1122.339+/-0.229 χ^2/NDF:2831679.0/25

All: 1119.020+/-0.161 χ^2/NDF: 5066011.9/48



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 1558.963+/-801.549 χ^2/NDF:5.6/7

Right Out: -560.962+/-962.943 χ^2/NDF: 11.7/17

Left In: 166.837+/-806.340 χ^2/NDF:6.6/6

Left: 867.049+/-568.467 χ^2/NDF: 13.7/14

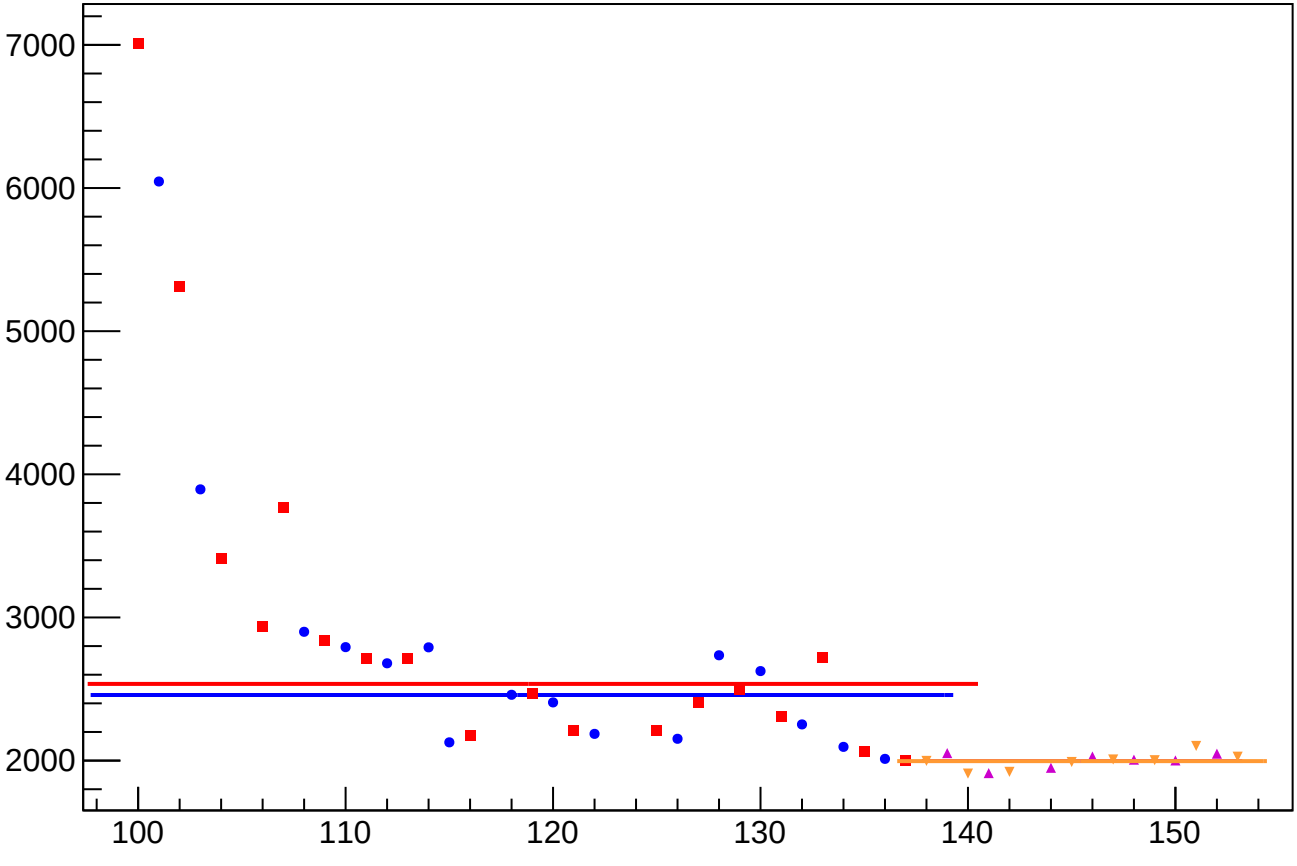
Right: -139.208+/-673.369 χ^2/NDF: 31.2/33

In: 208.087+/-612.563 χ^2/NDF:25.6/22

Out: 691.297+/-616.051 χ^2/NDF:20.3/25

All: 448.320+/-434.375 χ^2/NDF: 46.2/48

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: 1996.407+/-0.567 χ^2/NDF:9612.8/7

Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1997.122+/-0.570 χ^2/NDF:7299.7/6

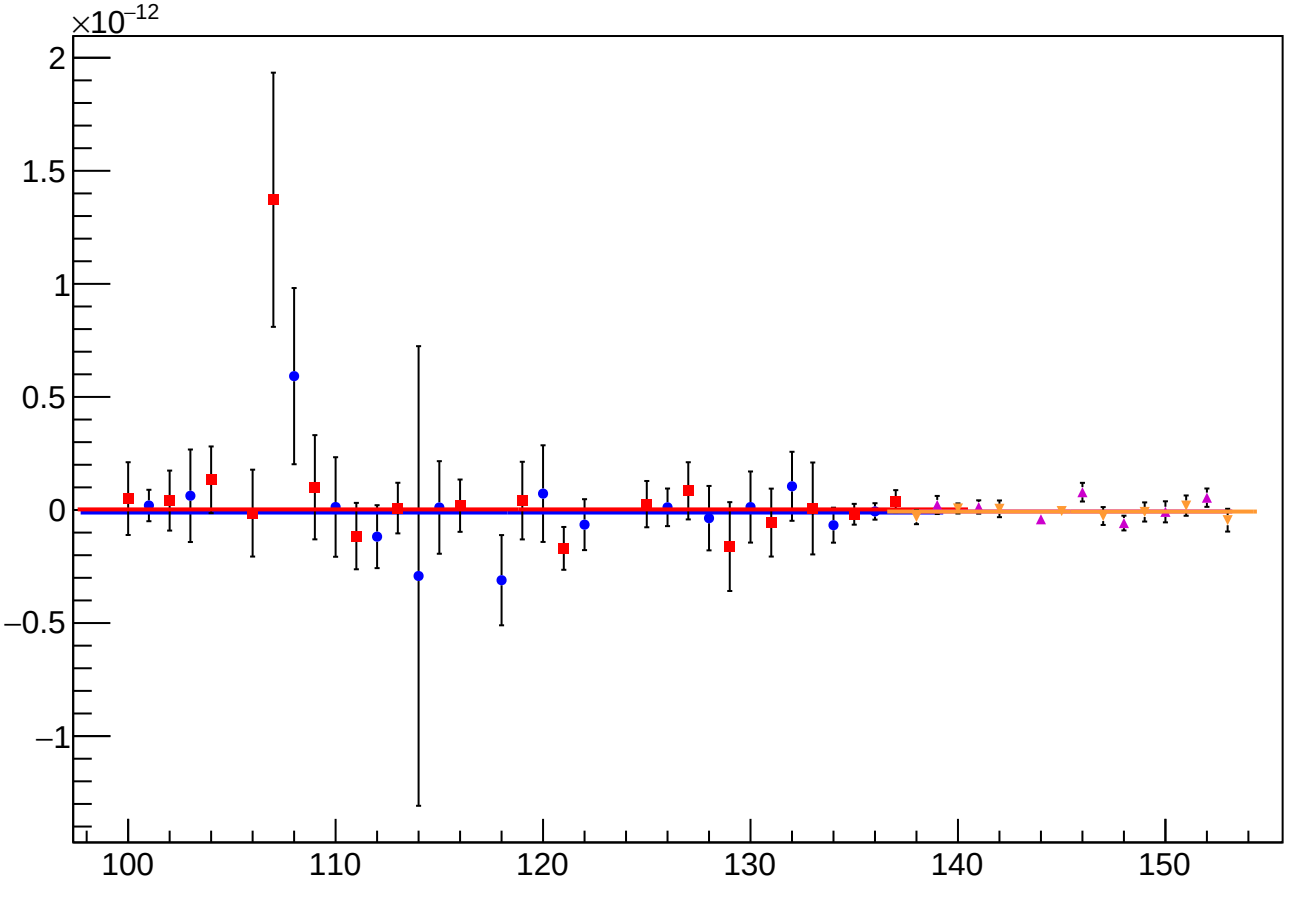
Left: 1996.762+/-0.402 χ^2/NDF: 16913.2/14

Right: 2496.205+/-0.476 χ^2/NDF: 1512837.3/33

In: 2192.159+/-0.433 χ^2/NDF:1116888.5/22

Out: 2217.169+/-0.436 χ^2/NDF:1053619.5/25

All: 2204.593+/-0.307 χ^2/NDF: 2172165.5/48



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.3/7

Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: -0.000+/-0.000 χ^2/NDF:12.7/6

Left: -0.000+/-0.000 χ^2/NDF: 15.0/14

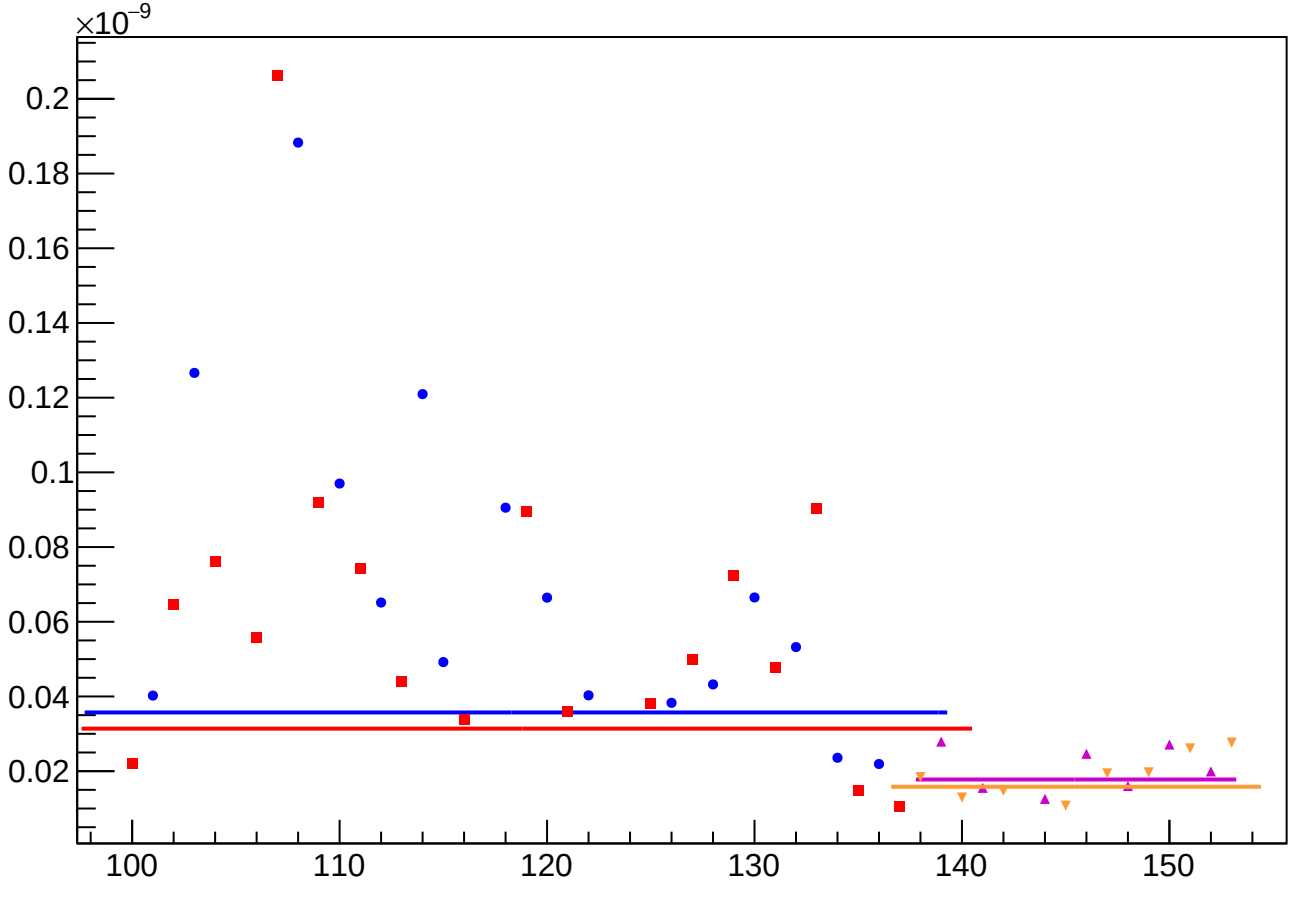
Right: -0.000+/-0.000 χ^2/NDF: 20.7/33

In: -0.000+/-0.000 χ^2/NDF:20.0/22

Out: -0.000+/-0.000 χ^2/NDF:15.6/25

All: -0.000+/-0.000 χ^2/NDF: 35.7/48

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:400099.6/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2068272.1/17

Left In: 0.000+/-0.000 χ^2/NDF:410736.6/6

Left: 0.000+/-0.000 χ^2/NDF: 838155.8/14

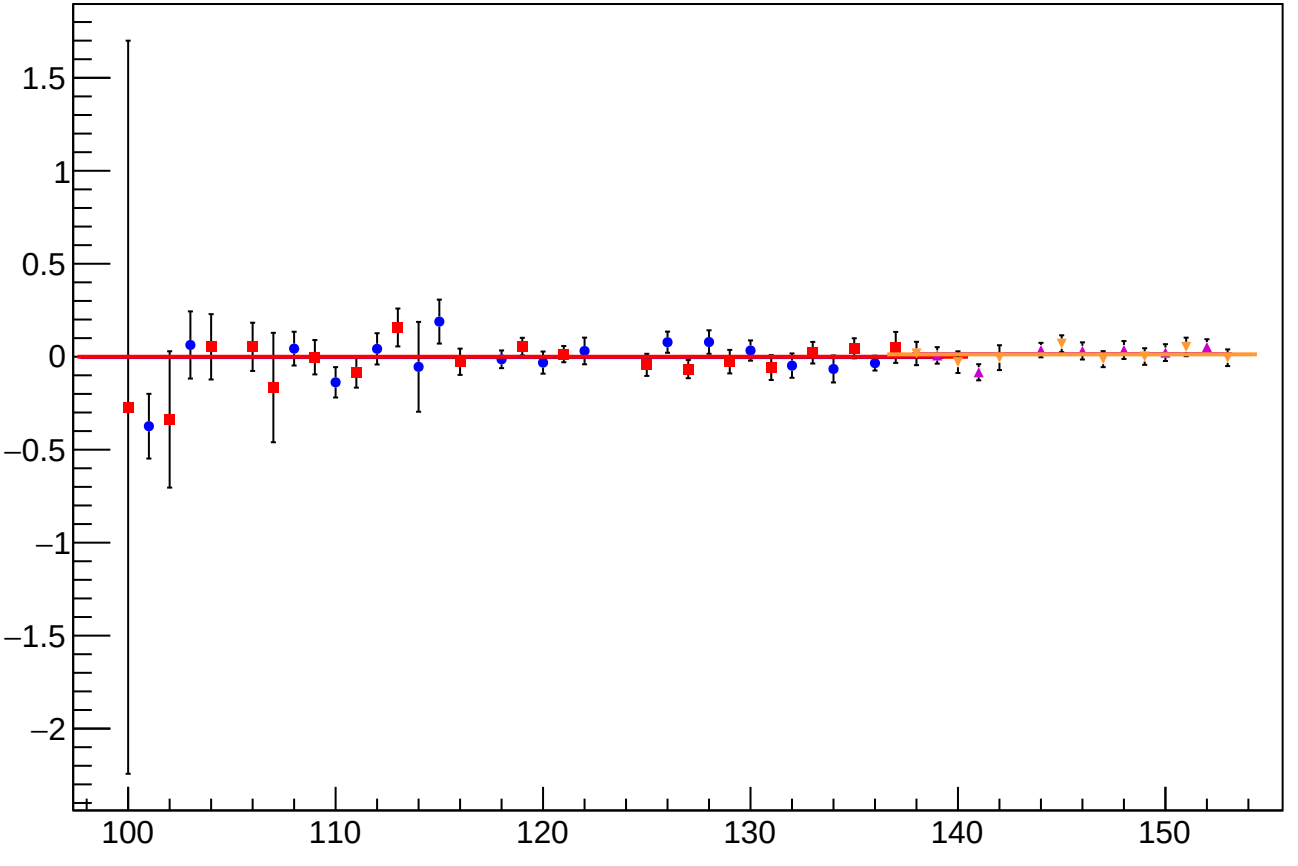
Right: 0.000+/-0.000 χ^2/NDF: 3719751.0/33

In: 0.000+/-0.000 χ^2/NDF:2887057.6/22

Out: 0.000+/-0.000 χ^2/NDF:3140573.3/25

All: 0.000+/-0.000 χ^2/NDF: 6096475.2/48

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: 0.013+/-0.018 χ^2/NDF:3.4/7

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.015+/-0.017 χ^2/NDF:6.6/6

Left: 0.014+/-0.012 χ^2/NDF: 10.0/14

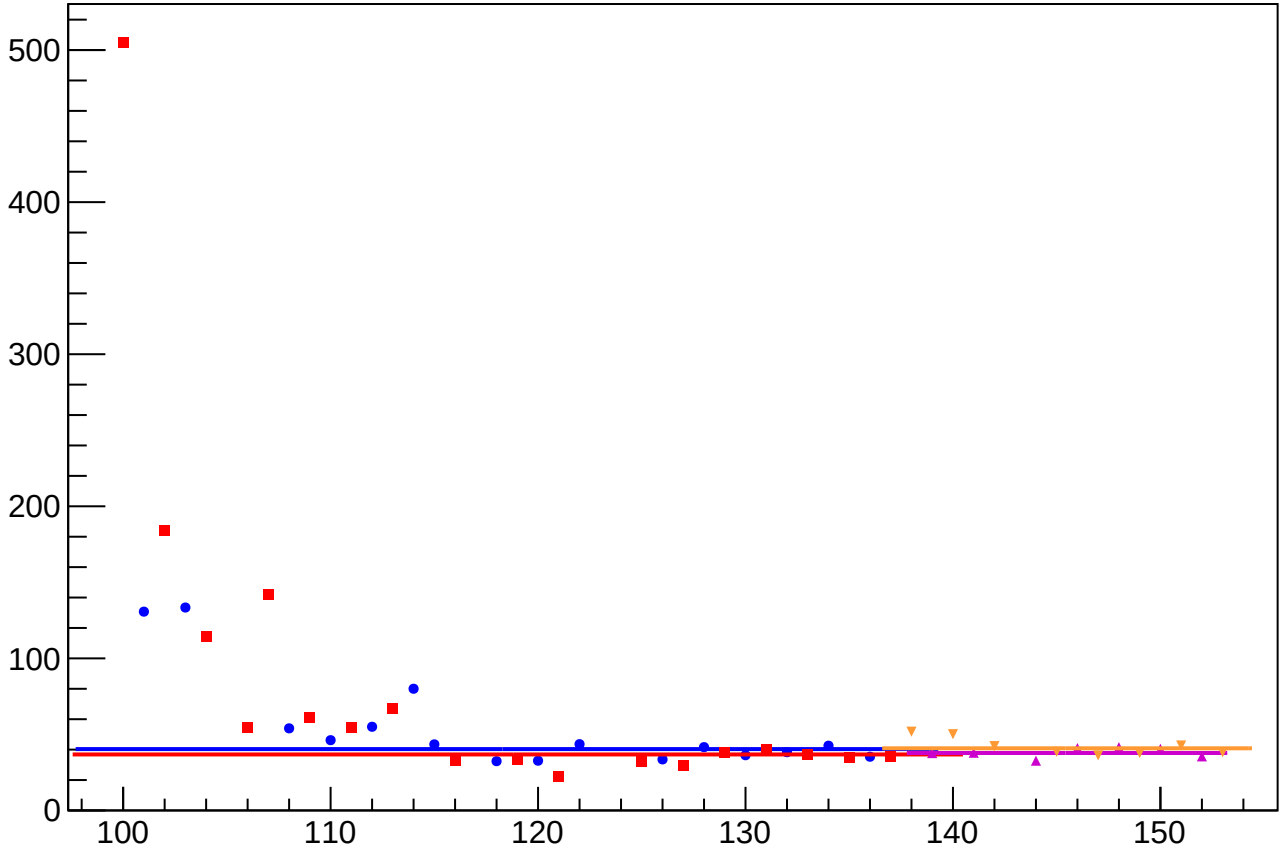
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.007+/-0.012 χ^2/NDF:24.2/22

Out: 0.006+/-0.012 χ^2/NDF:14.6/25

All: 0.006+/-0.008 χ^2/NDF: 38.8/48

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: 40.868+/-0.012 χ^2/NDF:160390.5/7

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 37.787+/-0.012 χ^2/NDF:69442.9/6

Left: 39.227+/-0.009 χ^2/NDF: 262214.5/14

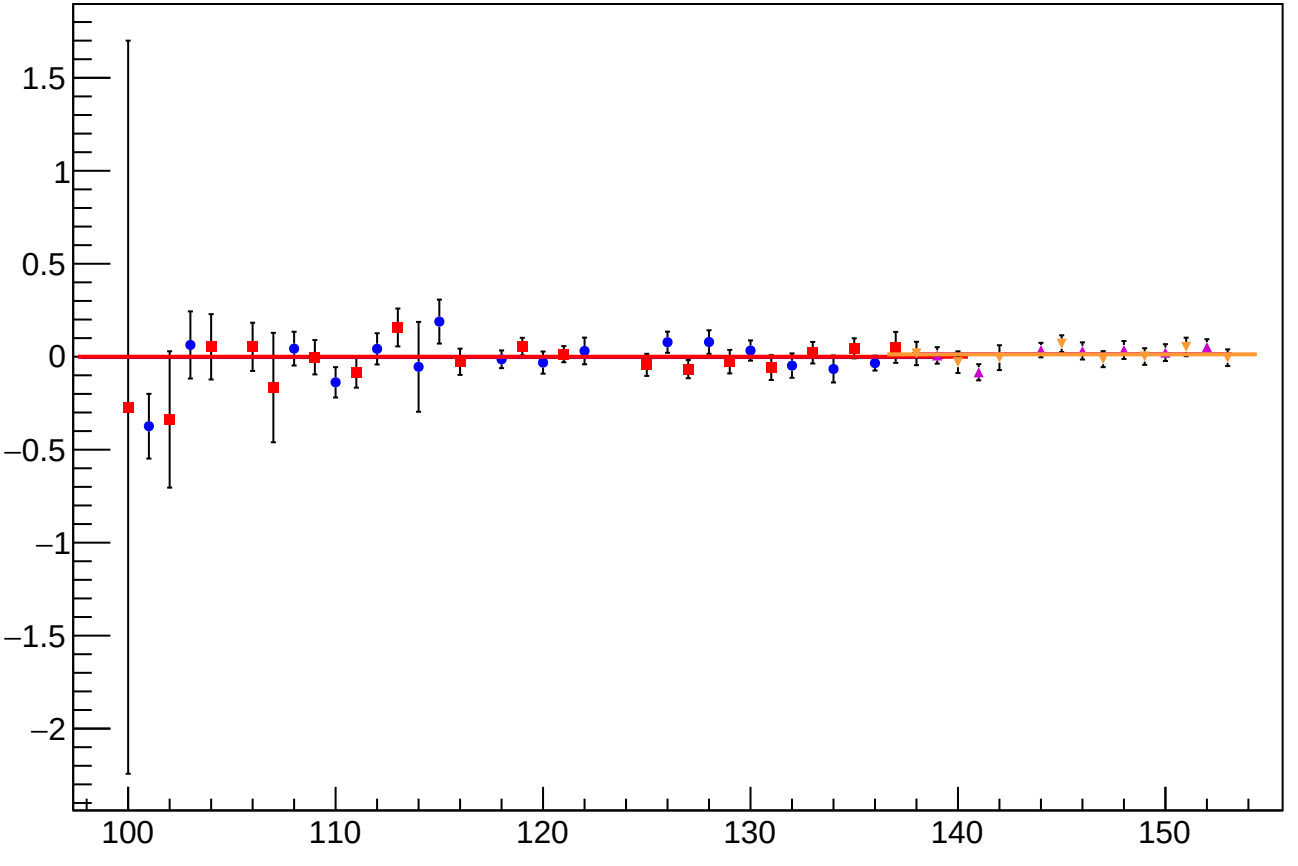
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.029+/-0.008 χ^2/NDF:1502826.8/22

Out: 38.728+/-0.009 χ^2/NDF:2052929.7/25

All: 38.882+/-0.006 χ^2/NDF: 3556385.7/48

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: 0.013+/-0.018 χ^2/NDF:3.4/7

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.015+/-0.017 χ^2/NDF:6.6/6

Left: 0.014+/-0.012 χ^2/NDF: 10.0/14

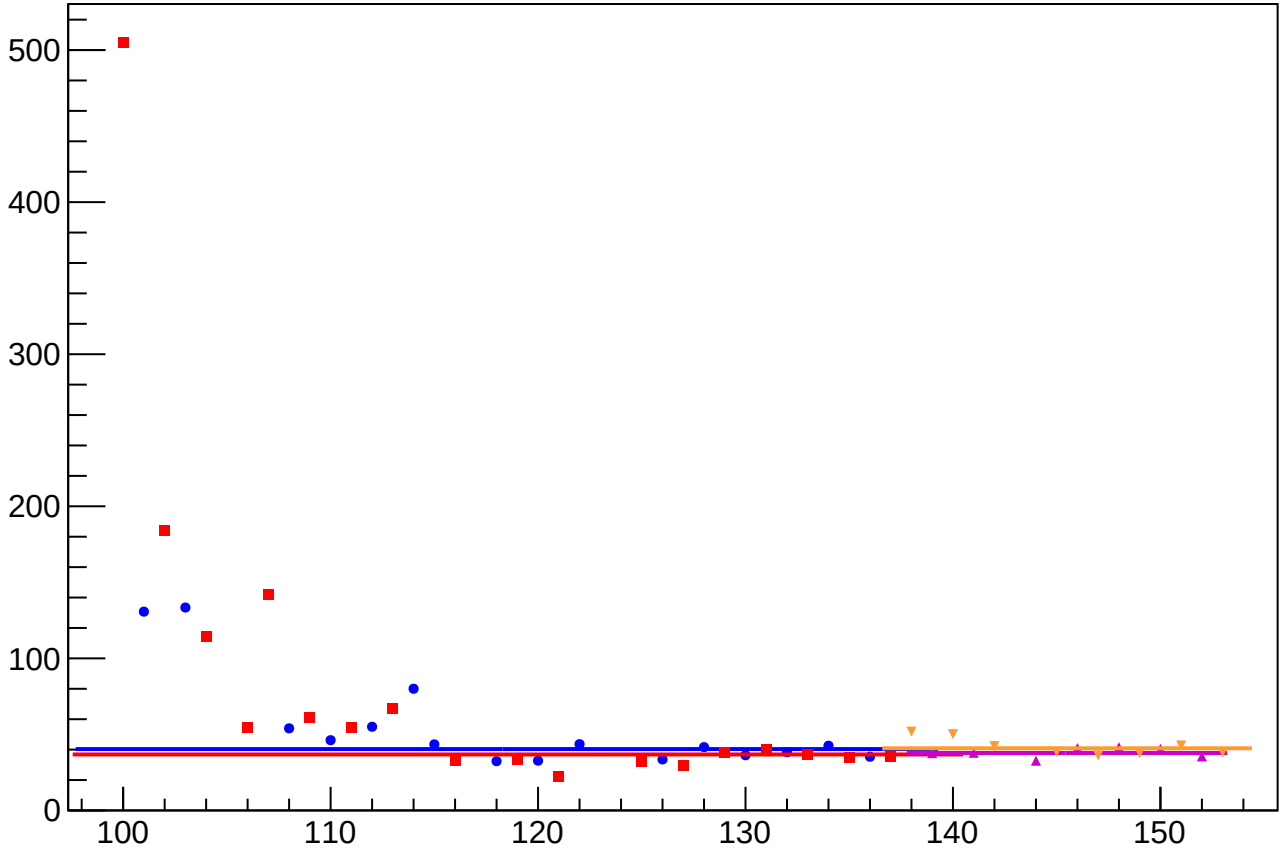
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.007+/-0.012 χ^2/NDF:24.2/22

Out: 0.006+/-0.012 χ^2/NDF:14.6/25

All: 0.006+/-0.008 χ^2/NDF: 38.8/48

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: 40.868+/-0.012 χ^2/NDF:160390.5/7

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 37.787+/-0.012 χ^2/NDF:69442.9/6

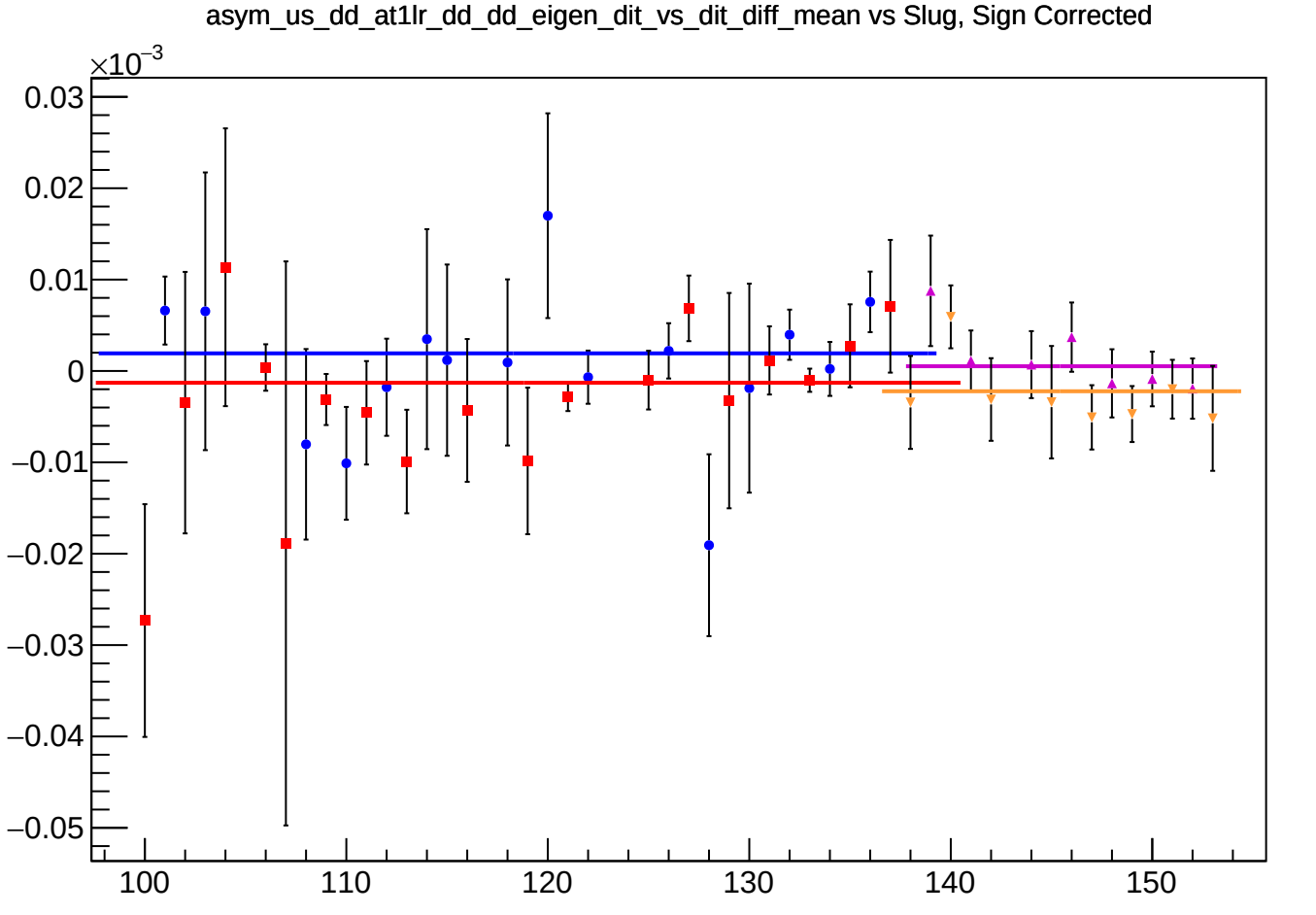
Left: 39.227+/-0.009 χ^2/NDF: 262214.5/14

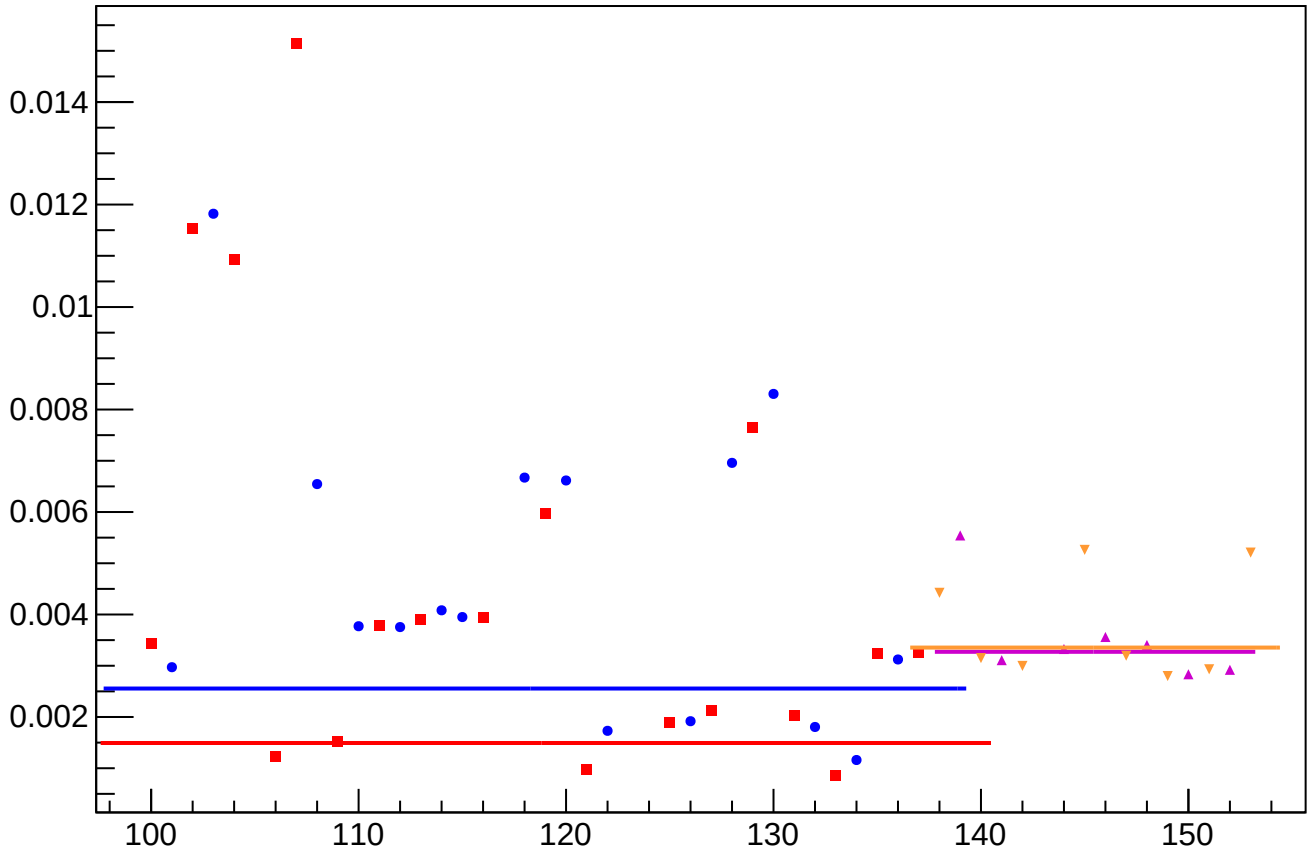
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.029+/-0.008 χ^2/NDF:1502826.8/22

Out: 38.728+/-0.009 χ^2/NDF:2052929.7/25

All: 38.882+/-0.006 χ^2/NDF: 3556385.7/48


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
Right In: 0.000+/-0.000 χ²/NDF: 17.9/15
Left Out: -0.000+/-0.000 χ²/NDF:7.3/7
Right Out: -0.000+/-0.000 χ²/NDF: 18.9/17
Left In: 0.000+/-0.000 χ²/NDF:3.6/6
Left: -0.000+/-0.000 χ²/NDF: 12.9/14
Right: -0.000+/-0.000 χ²/NDF: 42.3/33
In: 0.000+/-0.000 χ²/NDF:22.1/22
Out: -0.000+/-0.000 χ²/NDF:26.6/25
All: -0.000+/-0.000 χ²/NDF: 55.4/48



Right In: 0.003+/-0.000 χ^2/NDF: 3782362.0/15

Left Out: 0.003+/-0.000 χ^2/NDF:612943.4/7

Right Out: 0.001+/-0.000 χ^2/NDF: 5561830.1/17

Left In: 0.003+/-0.000 χ^2/NDF:367120.1/6

Left: 0.003+/-0.000 χ^2/NDF: 983663.6/14

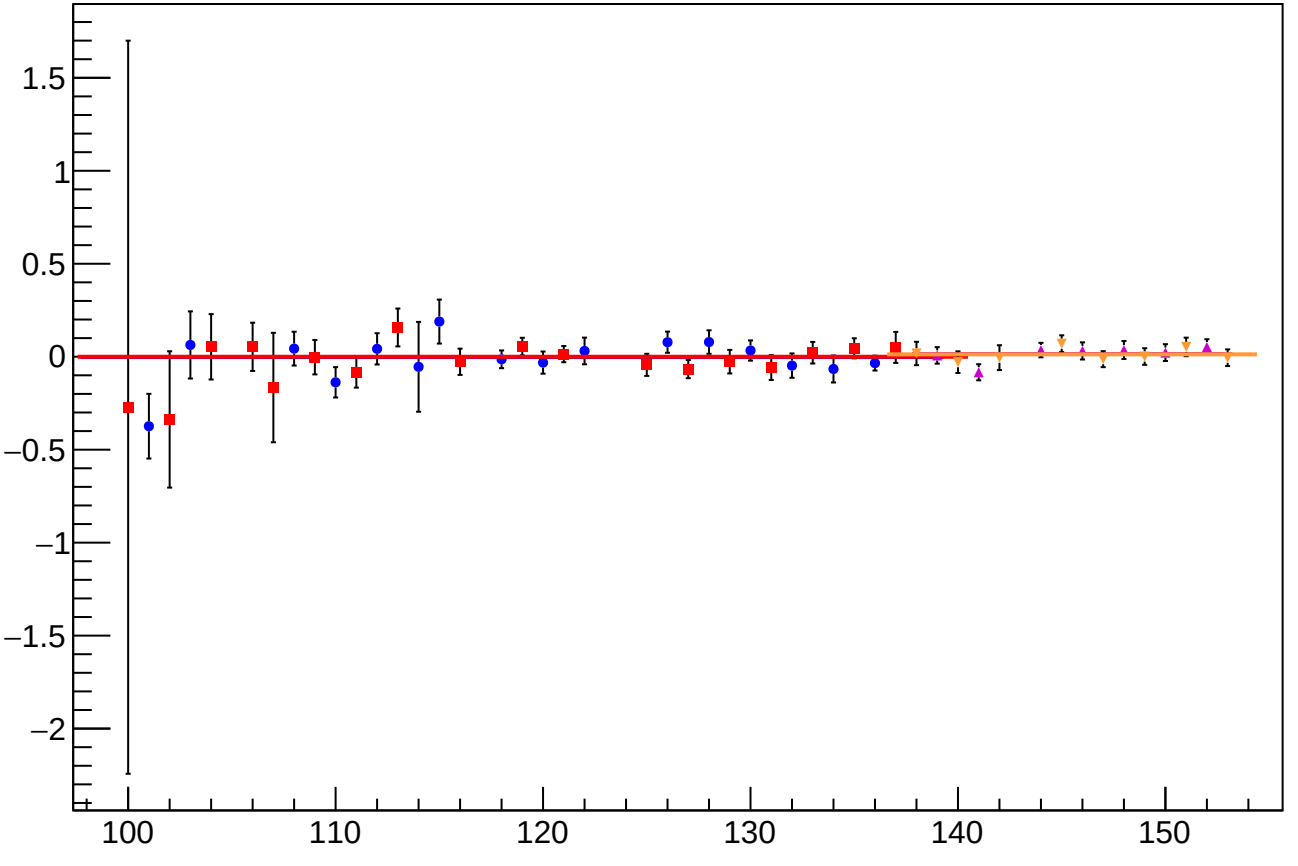
Right: 0.002+/-0.000 χ^2/NDF: 10553457.3/33

In: 0.003+/-0.000 χ^2/NDF:4474144.7/22

Out: 0.002+/-0.000 χ^2/NDF:8932014.2/25

All: 0.002+/-0.000 χ^2/NDF: 14872746.8/48

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: 0.013+/-0.018 χ^2/NDF:3.4/7

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.015+/-0.017 χ^2/NDF:6.6/6

Left: 0.014+/-0.012 χ^2/NDF: 10.0/14

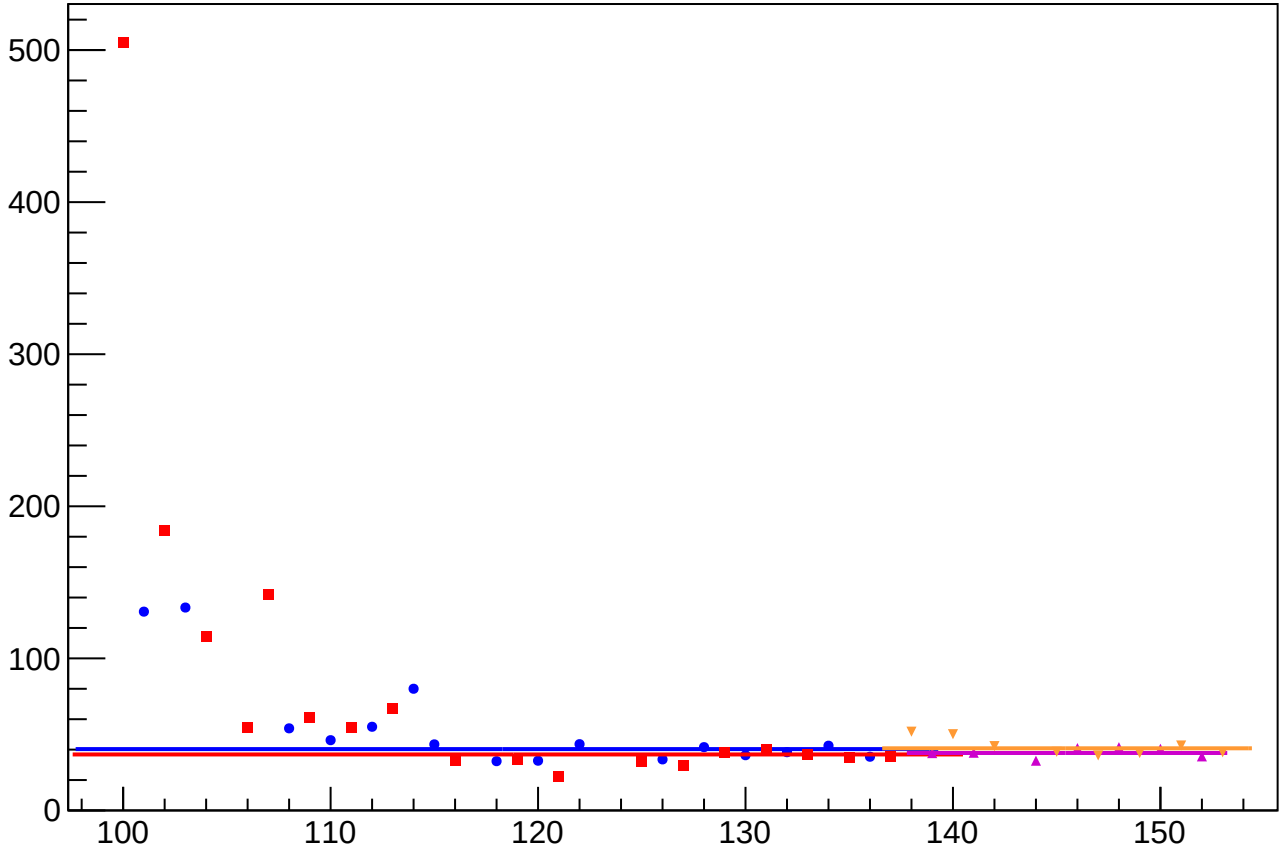
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.007+/-0.012 χ^2/NDF:24.2/22

Out: 0.006+/-0.012 χ^2/NDF:14.6/25

All: 0.006+/-0.008 χ^2/NDF: 38.8/48

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: 40.868+/-0.012 χ^2/NDF:160399.9/7

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 37.787+/-0.012 χ^2/NDF:69435.1/6

Left: 39.227+/-0.009 χ^2/NDF: 262213.8/14

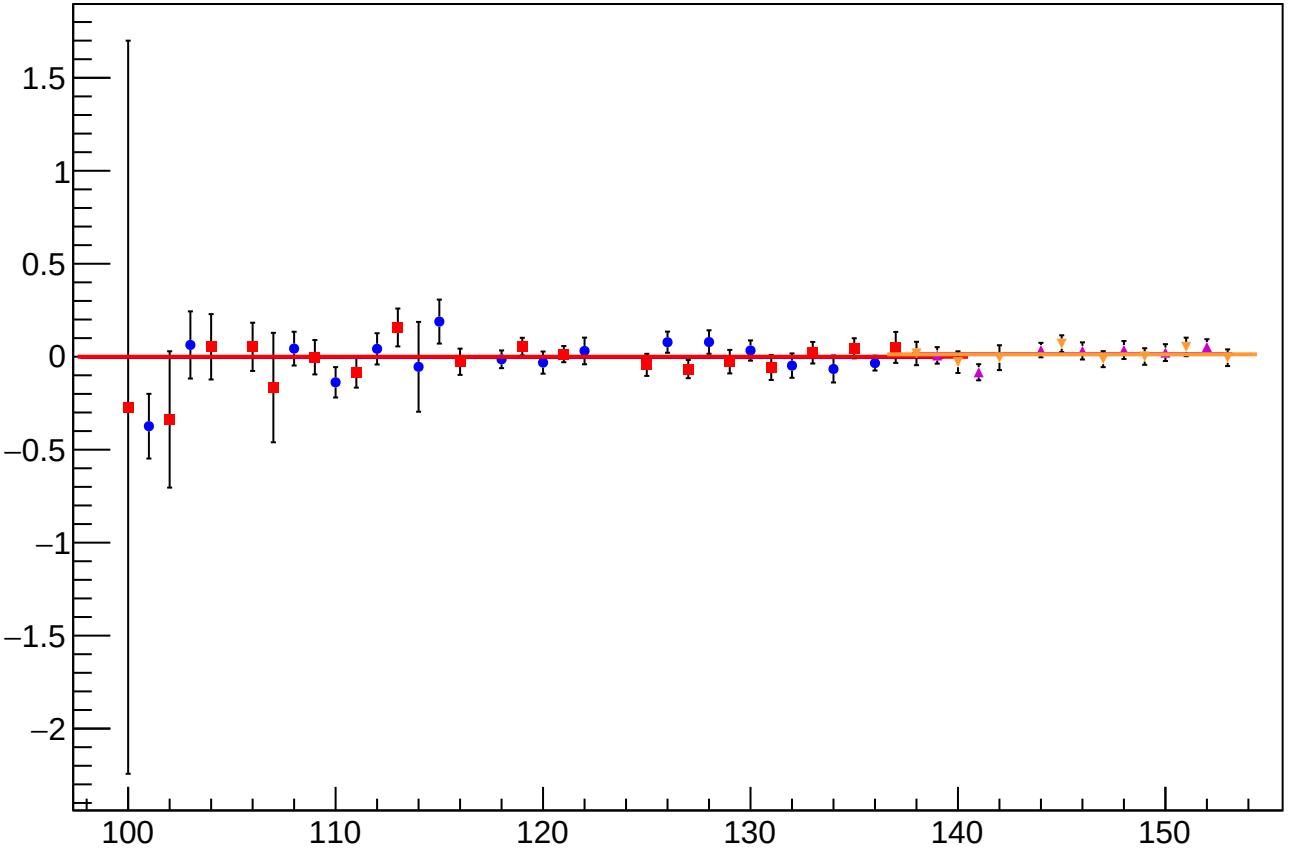
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.029+/-0.008 χ^2/NDF:1502729.8/22

Out: 38.727+/-0.009 χ^2/NDF:2052953.0/25

All: 38.881+/-0.006 χ^2/NDF: 3556315.3/48

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: 0.013+/-0.018 χ^2/NDF:3.4/7

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.015+/-0.017 χ^2/NDF:6.6/6

Left: 0.014+/-0.012 χ^2/NDF: 10.0/14

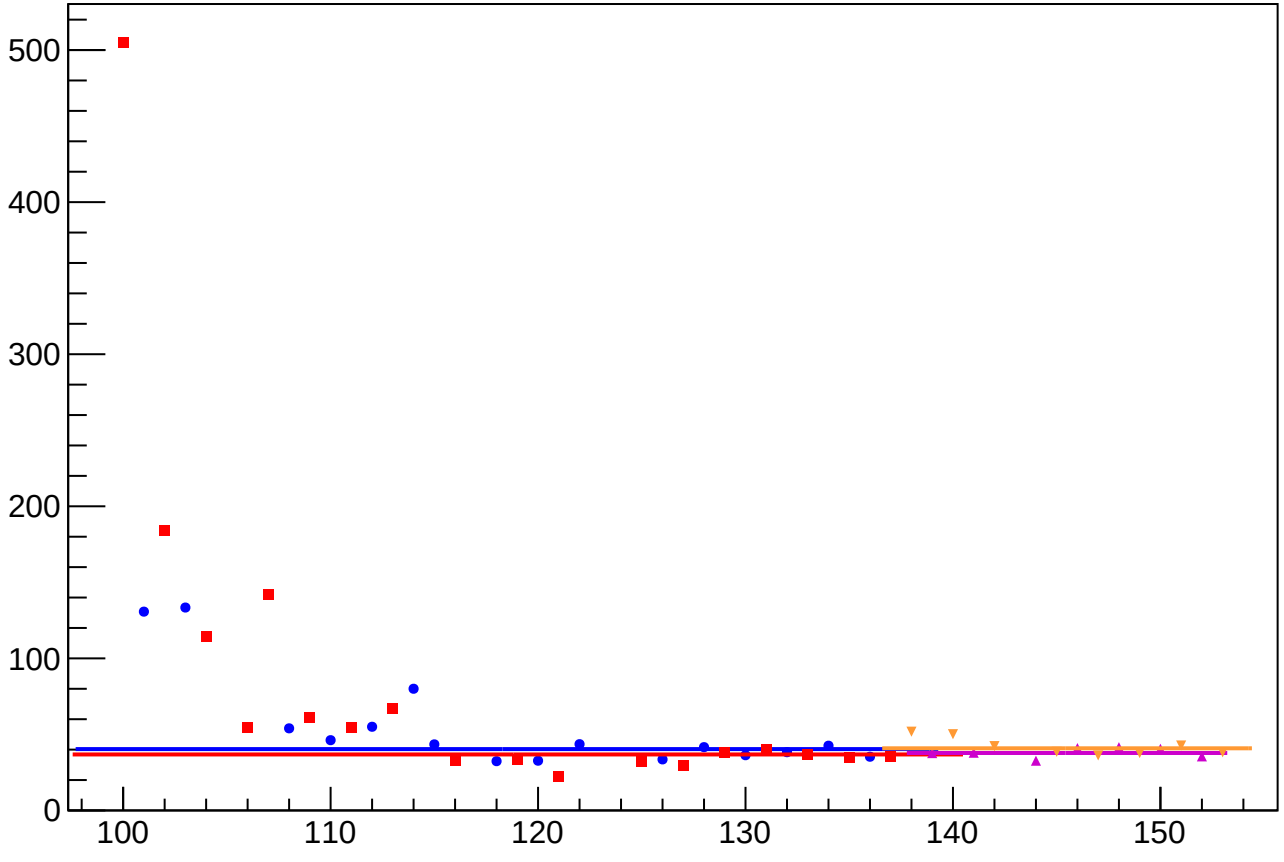
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.007+/-0.012 χ^2/NDF:24.2/22

Out: 0.006+/-0.012 χ^2/NDF:14.6/25

All: 0.006+/-0.008 χ^2/NDF: 38.8/48

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: 40.868+/-0.012 χ^2/NDF:160399.9/7

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 37.787+/-0.012 χ^2/NDF:69435.1/6

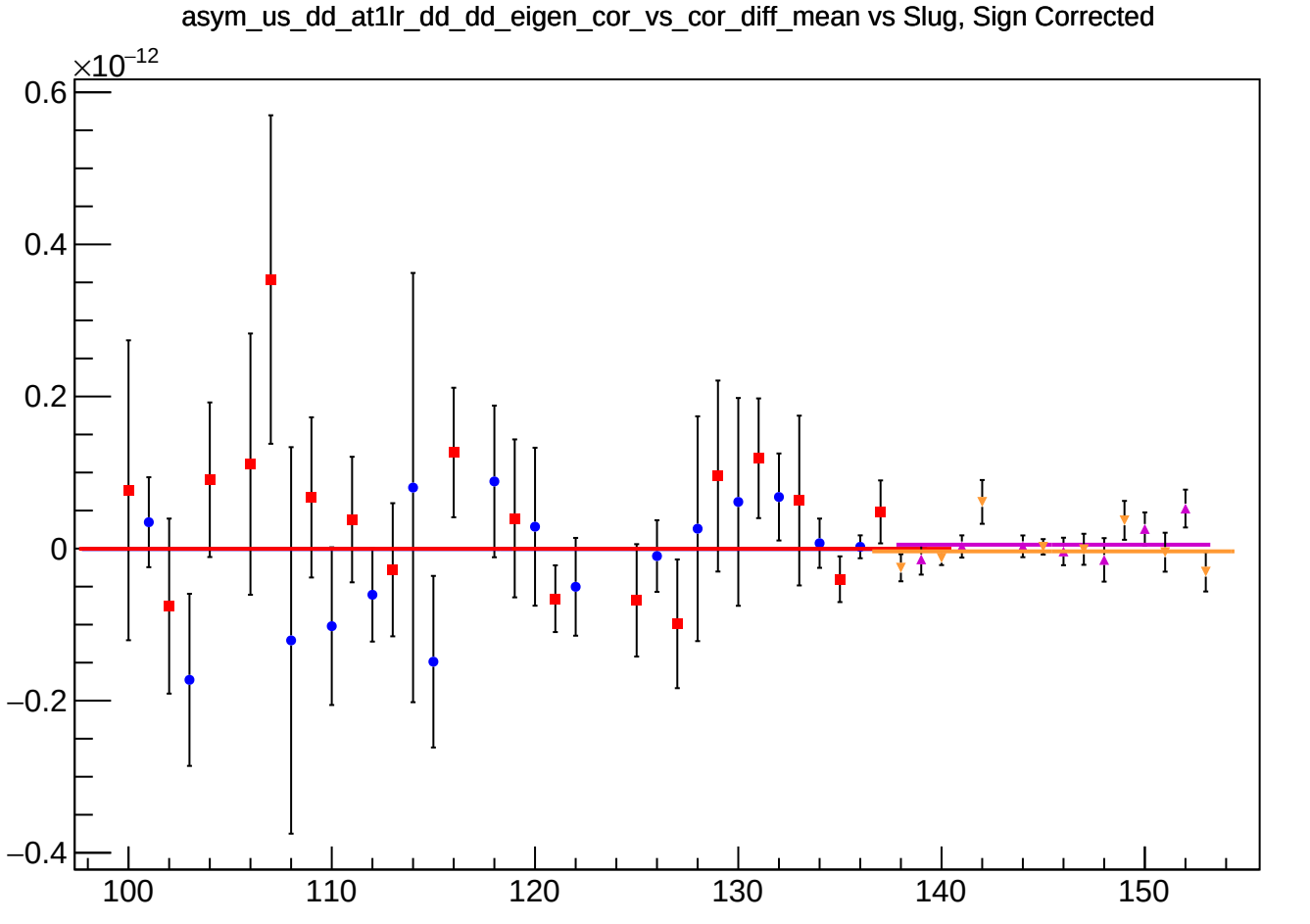
Left: 39.227+/-0.009 χ^2/NDF: 262213.8/14

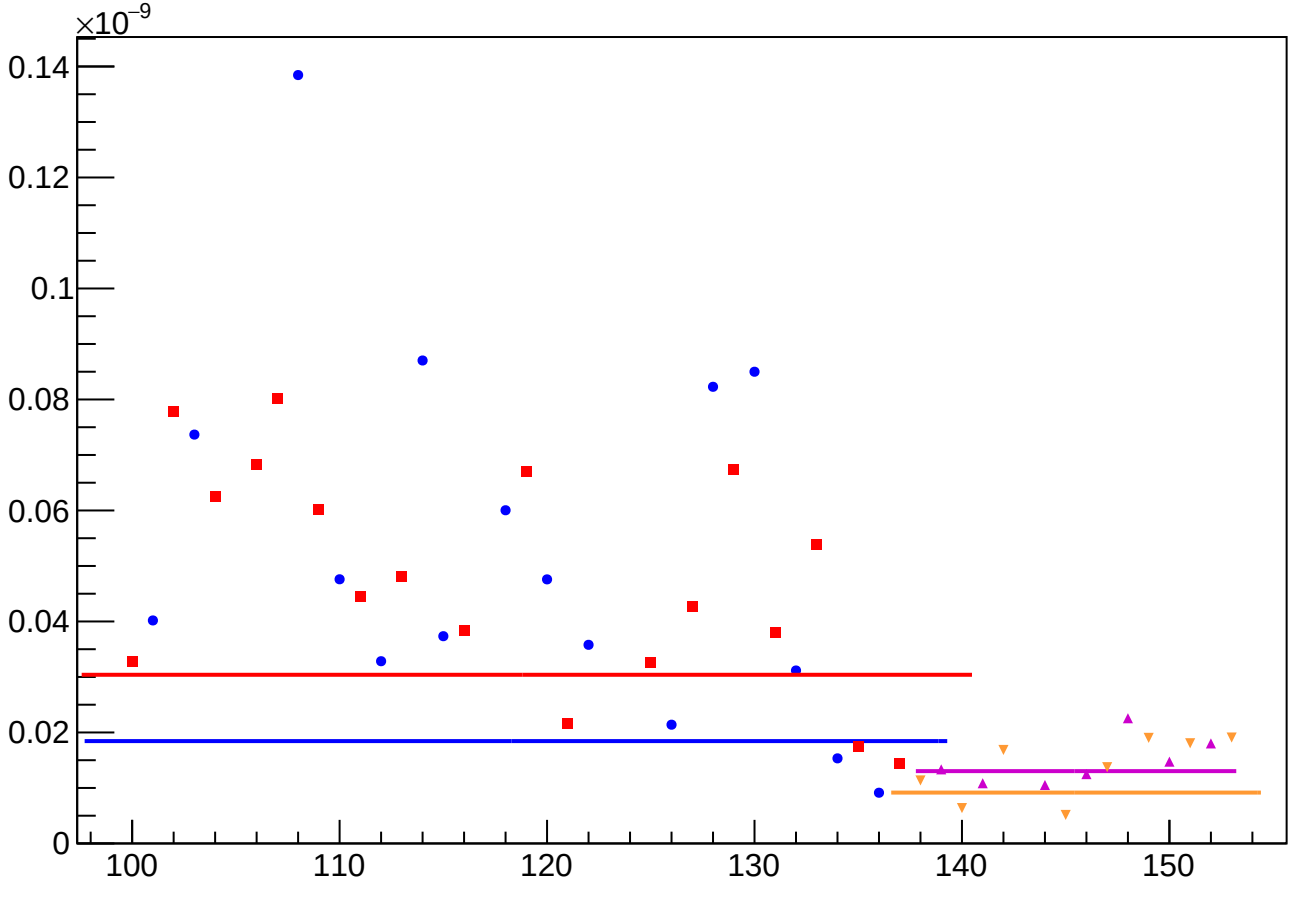
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.029+/-0.008 χ^2/NDF:1502729.8/22

Out: 38.727+/-0.009 χ^2/NDF:2052953.0/25

All: 38.881+/-0.006 χ^2/NDF: 3556315.3/48


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
Right In: -0.000+/-0.000 χ²/NDF: 9.9/15
Left Out: -0.000+/-0.000 χ²/NDF:11.3/7
Right Out: -0.000+/-0.000 χ²/NDF: 18.4/17
Left In: 0.000+/-0.000 χ²/NDF:6.2/6
Left: -0.000+/-0.000 χ²/NDF: 18.5/14
Right: -0.000+/-0.000 χ²/NDF: 28.2/33
In: 0.000+/-0.000 χ²/NDF:16.3/22
Out: -0.000+/-0.000 χ²/NDF:29.7/25
All: -0.000+/-0.000 χ²/NDF: 46.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1590831.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:423144.1/6

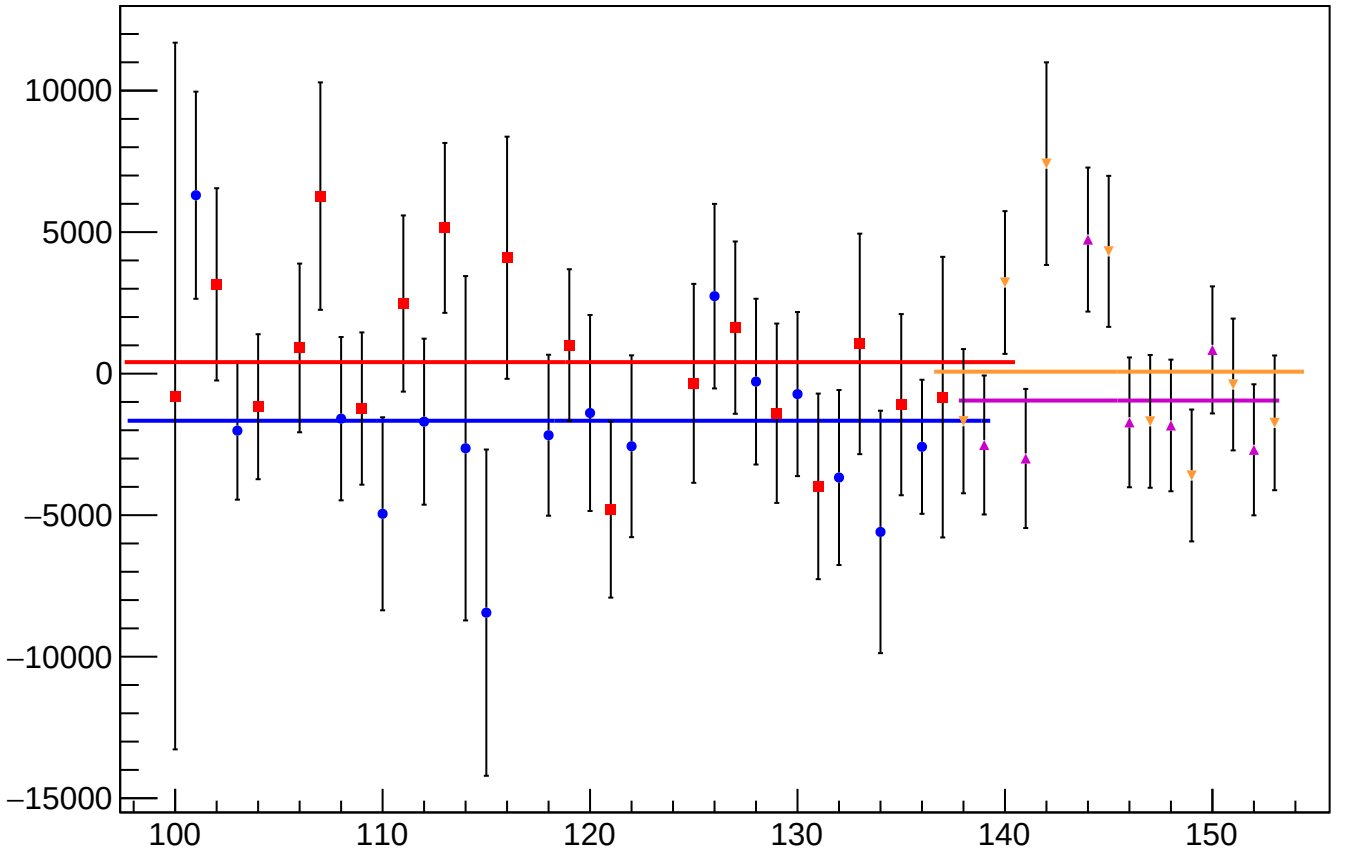
Left: 0.000+/-0.000 χ^2/NDF: 2383492.8/14

Right: 0.000+/-0.000 χ^2/NDF: 7115915.8/33

In: 0.000+/-0.000 χ^2/NDF:4765353.4/22

Out: 0.000+/-0.000 χ^2/NDF:6960714.8/25

All: 0.000+/-0.000 χ^2/NDF: 12035479.2/48



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: 69.578+/-891.958 χ^2/NDF:12.4/7

Right Out: 406.847+/-777.158 χ^2/NDF: 12.7/17

Left In: -950.068+/-895.856 χ^2/NDF:7.6/6

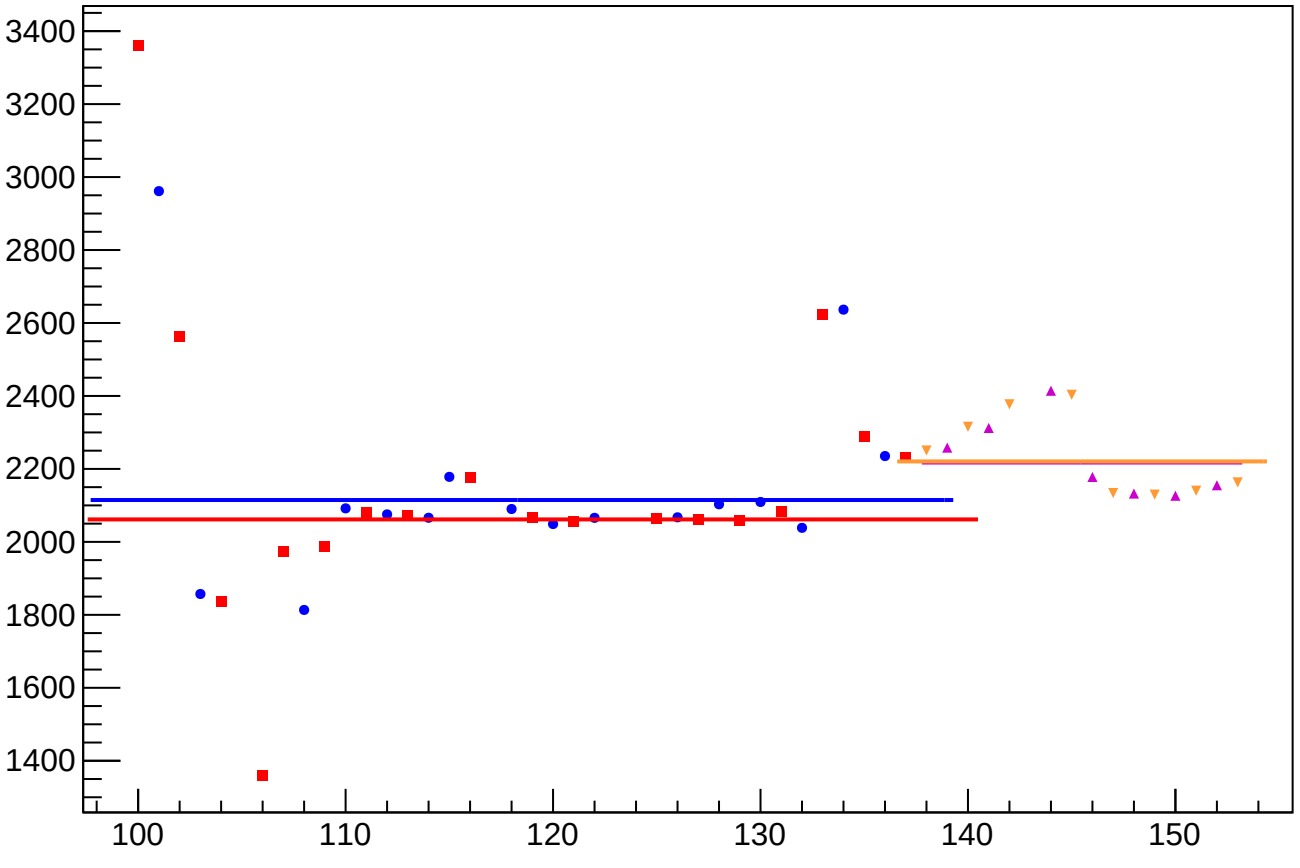
Left: -438.021+/-632.083 χ^2/NDF: 20.6/14

Right: -608.927+/-554.763 χ^2/NDF: 27.0/33

In: -1350.896+/-593.434 χ^2/NDF:18.7/22

Out: 261.300+/-585.946 χ^2/NDF:25.3/25

All: -534.561+/-416.949 χ^2/NDF: 47.7/48



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2220.541+/-0.631 χ^2/NDF:25638.1/7

Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2217.476+/-0.633 χ^2/NDF:23498.6/6

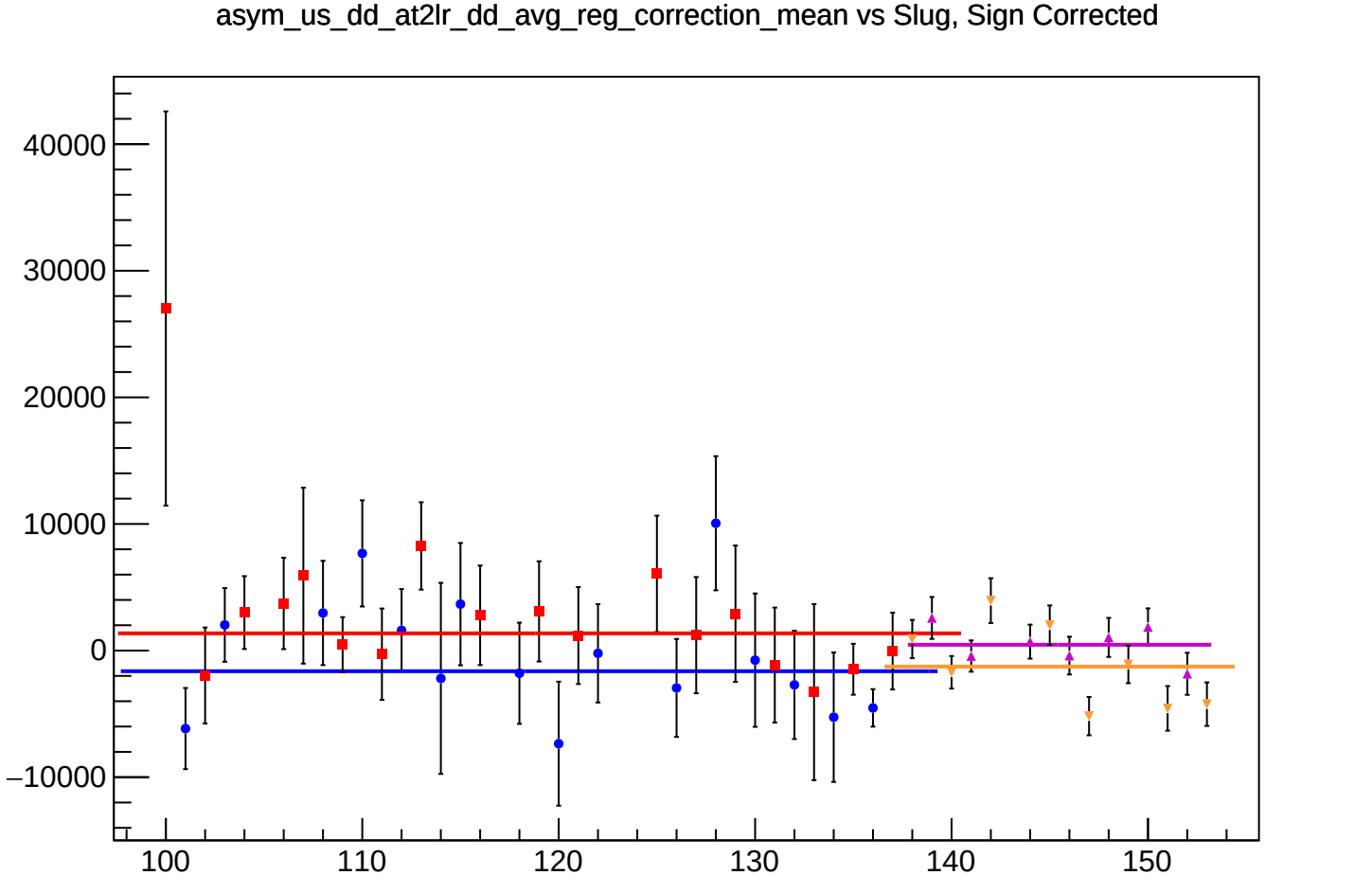
Left: 2219.015+/-0.447 χ^2/NDF: 49148.4/14

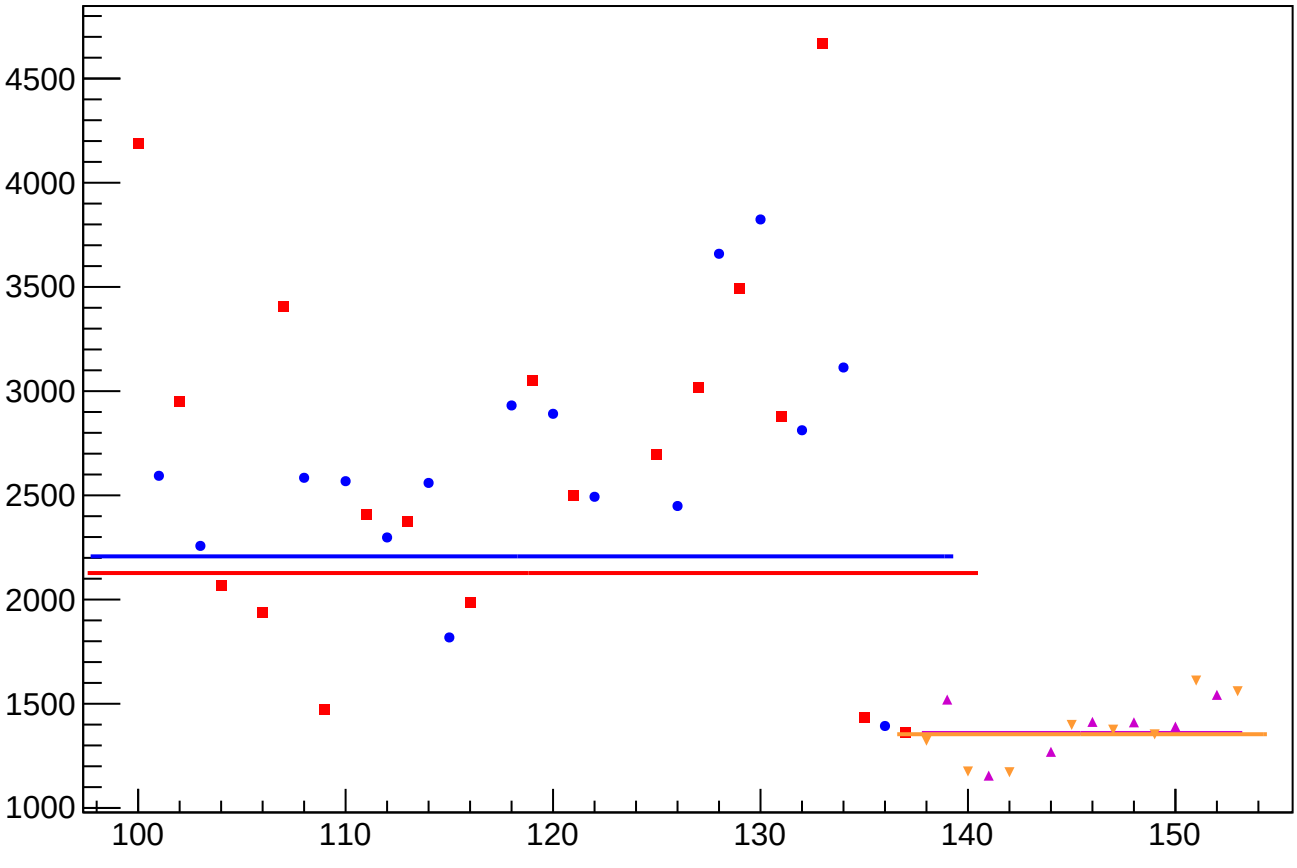
Right: 2087.649+/-0.392 χ^2/NDF: 443702.7/33

In: 2159.829+/-0.420 χ^2/NDF:228175.8/22

Out: 2130.167+/-0.414 χ^2/NDF:310943.3/25

All: 2144.810+/-0.295 χ^2/NDF: 541649.2/48


asym_us_dd_at2lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
Right In: -1630.474+/-862.417 χ²/NDF: 22.9/15
Left Out: -1266.075+/-548.171 χ²/NDF:28.5/7
Right Out: 1361.841+/-840.417 χ²/NDF: 13.5/17
Left In: 458.976+/-552.765 χ²/NDF:5.5/6
Left: -410.749+/-389.229 χ²/NDF: 38.9/14
Right: -95.664+/-601.892 χ²/NDF: 42.5/33
In: -149.452+/-465.378 χ²/NDF:32.5/22
Out: -481.737+/-459.135 χ²/NDF:48.8/25
All: -317.838+/-326.842 χ²/NDF: 81.6/48



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1353.854+/-0.388 χ^2/NDF:134344.8/7

Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1359.832+/-0.391 χ^2/NDF:112784.7/6

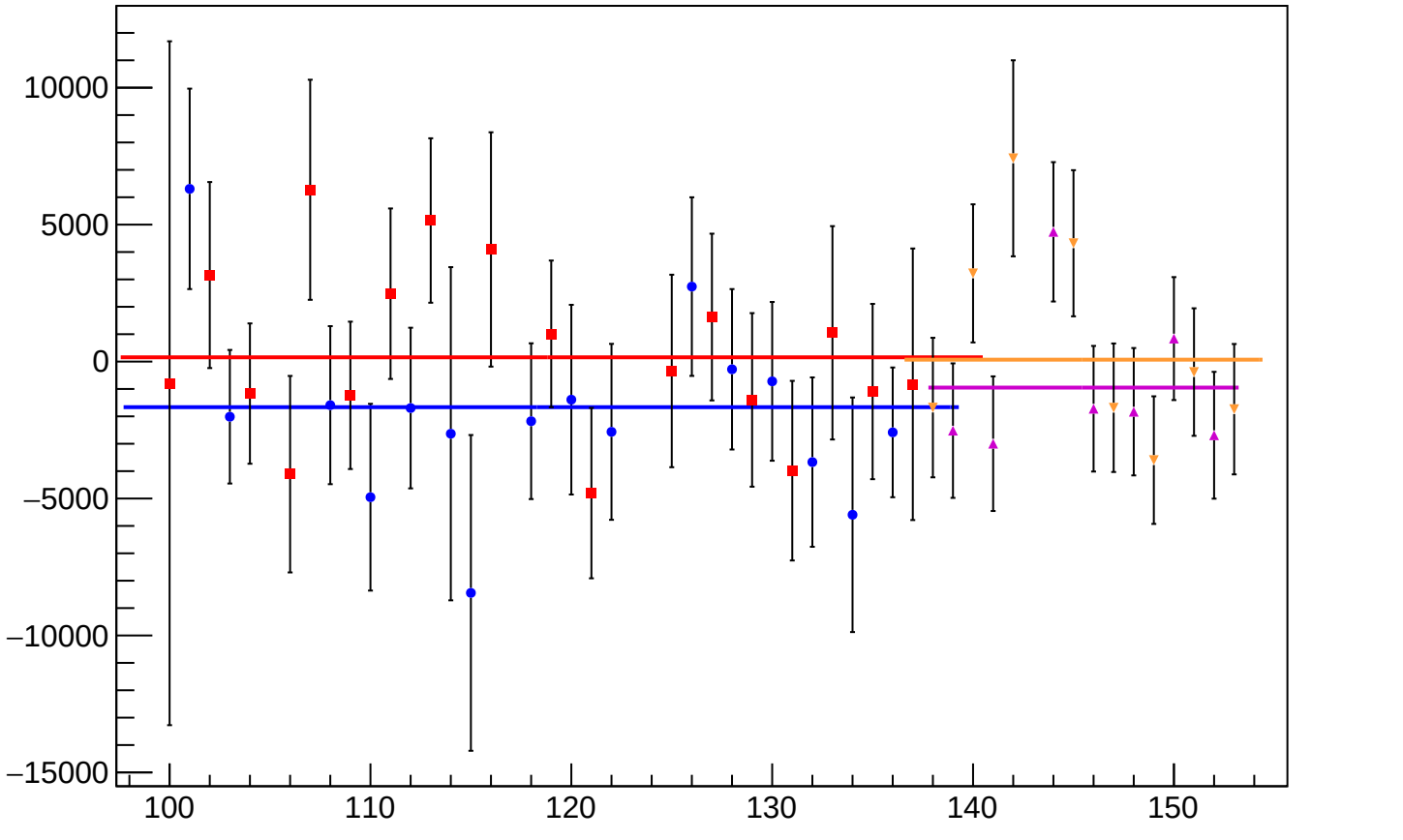
Left: 1356.818+/-0.275 χ^2/NDF: 247247.4/14

Right: 2166.205+/-0.426 χ^2/NDF: 2716147.2/33

In: 1606.593+/-0.329 χ^2/NDF:2730802.2/22

Out: 1584.677+/-0.325 χ^2/NDF:2780524.9/25

All: 1595.487+/-0.231 χ^2/NDF: 5513574.8/48



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: 69.726+/-891.958 χ^2/NDF:12.4/7

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -950.043+/-895.856 χ^2/NDF:7.6/6

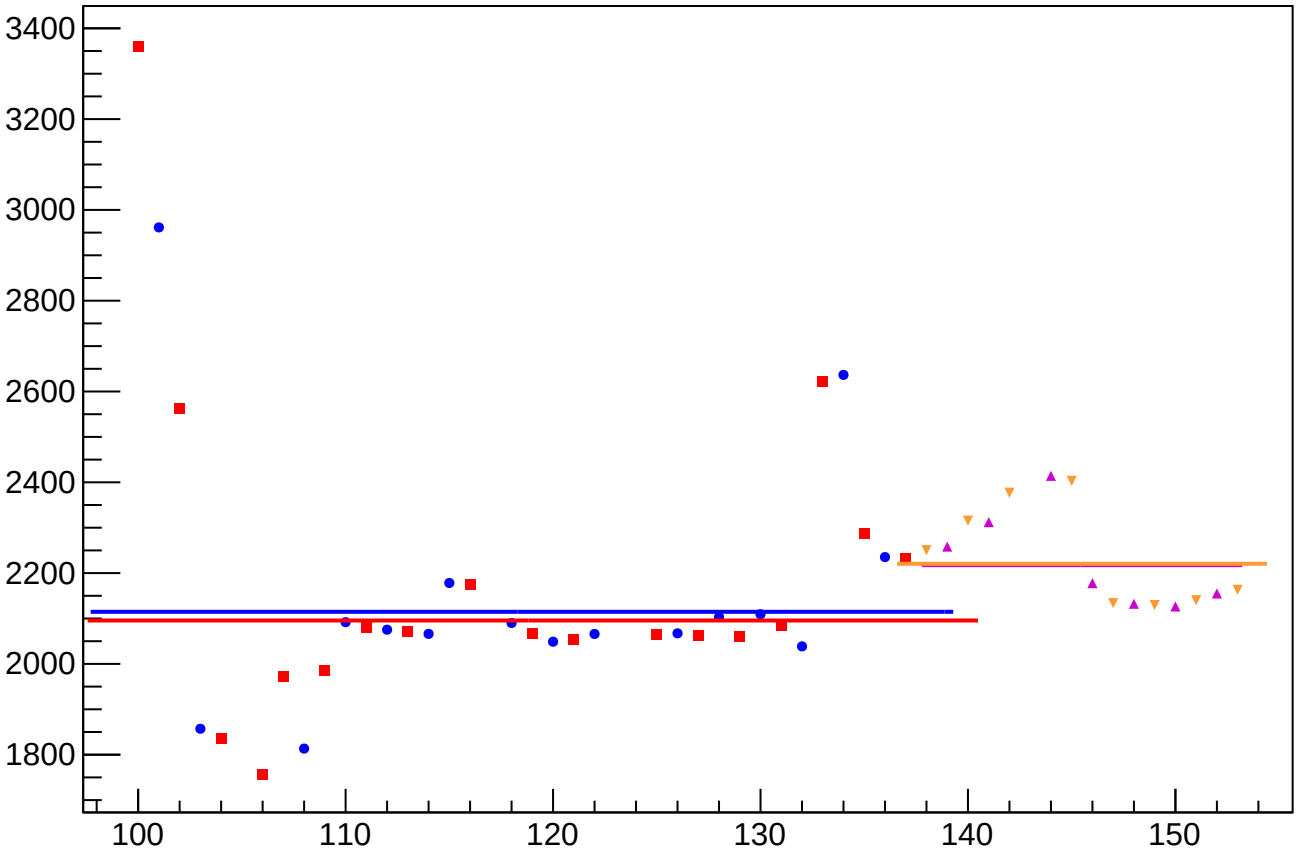
Left: -437.935+/-632.083 χ^2/NDF: 20.7/14

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -1350.843+/-593.435 χ^2/NDF:18.7/22

Out: 118.190+/-589.488 χ^2/NDF:26.6/25

All: -611.426+/-418.219 χ^2/NDF: 48.4/48



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2220.541+/-0.631 χ^2/NDF:25638.1/7

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2217.476+/-0.633 χ^2/NDF:23498.6/6

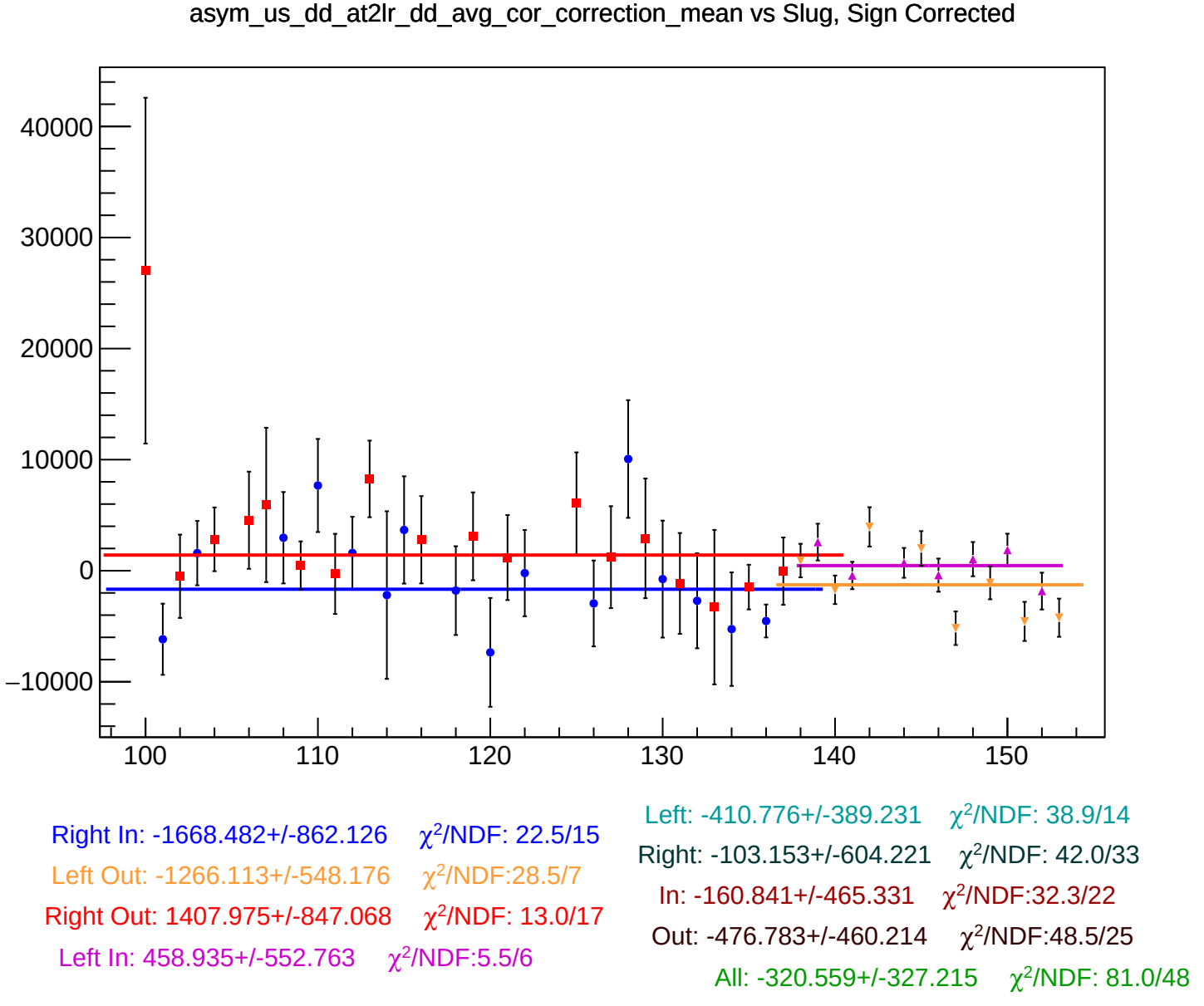
Left: 2219.015+/-0.447 χ^2/NDF: 49148.4/14

Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

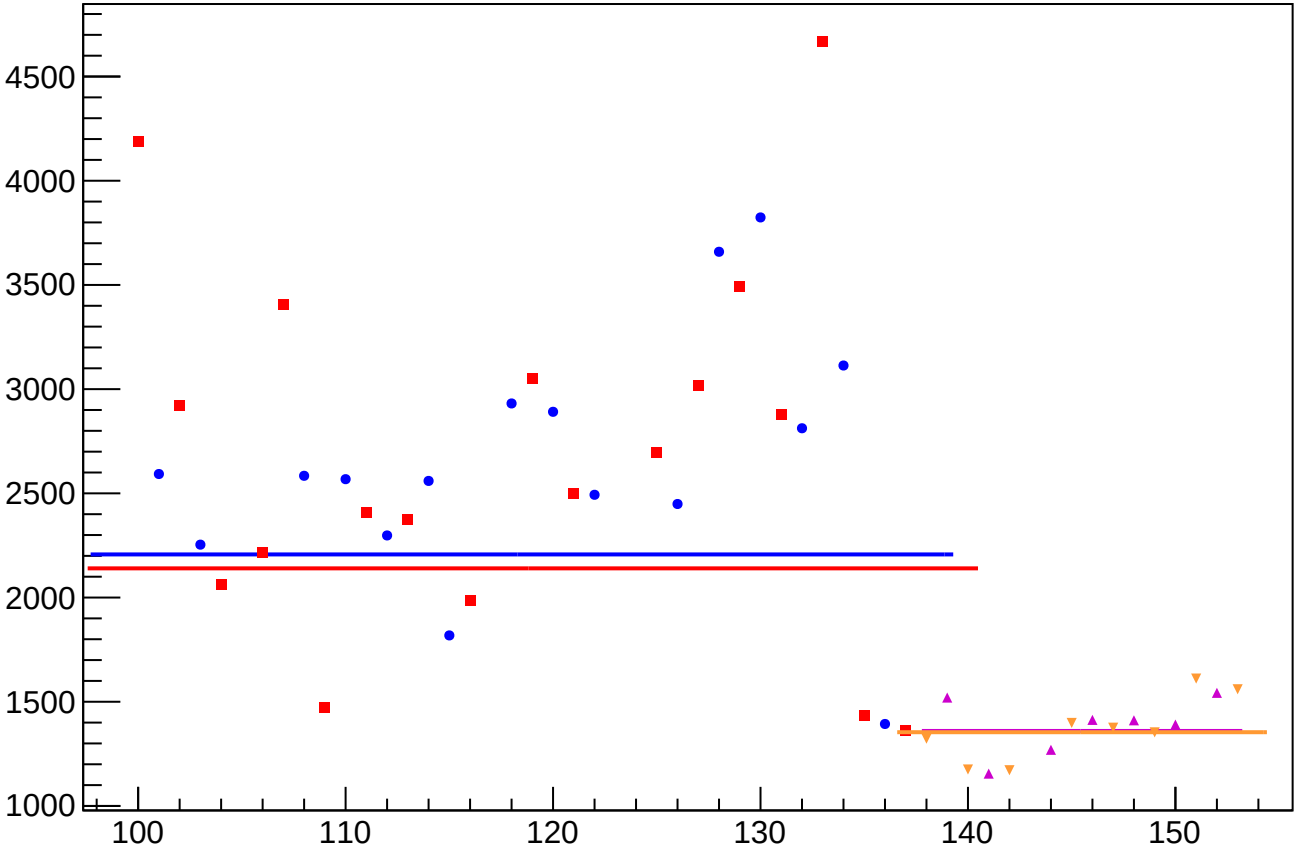
In: 2159.829+/-0.420 χ^2/NDF:228176.1/22

Out: 2150.170+/-0.417 χ^2/NDF:197101.8/25

All: 2154.967+/-0.296 χ^2/NDF: 425544.6/48


asym_us_dd_at2lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
Right In: -1668.482+/-862.126 χ²/NDF: 22.5/15
Left Out: -1266.113+/-548.176 χ²/NDF:28.5/7
Right Out: 1407.975+/-847.068 χ²/NDF: 13.0/17
Left In: 458.935+/-552.763 χ²/NDF:5.5/6
Left: -410.776+/-389.231 χ²/NDF: 38.9/14
Right: -103.153+/-604.221 χ²/NDF: 42.0/33
In: -160.841+/-465.331 χ²/NDF:32.3/22
Out: -476.783+/-460.214 χ²/NDF:48.5/25
All: -320.559+/-327.215 χ²/NDF: 81.0/48

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1353.869+/-0.388 χ^2/NDF:134304.1/7

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1359.826+/-0.391 χ^2/NDF:112806.0/6

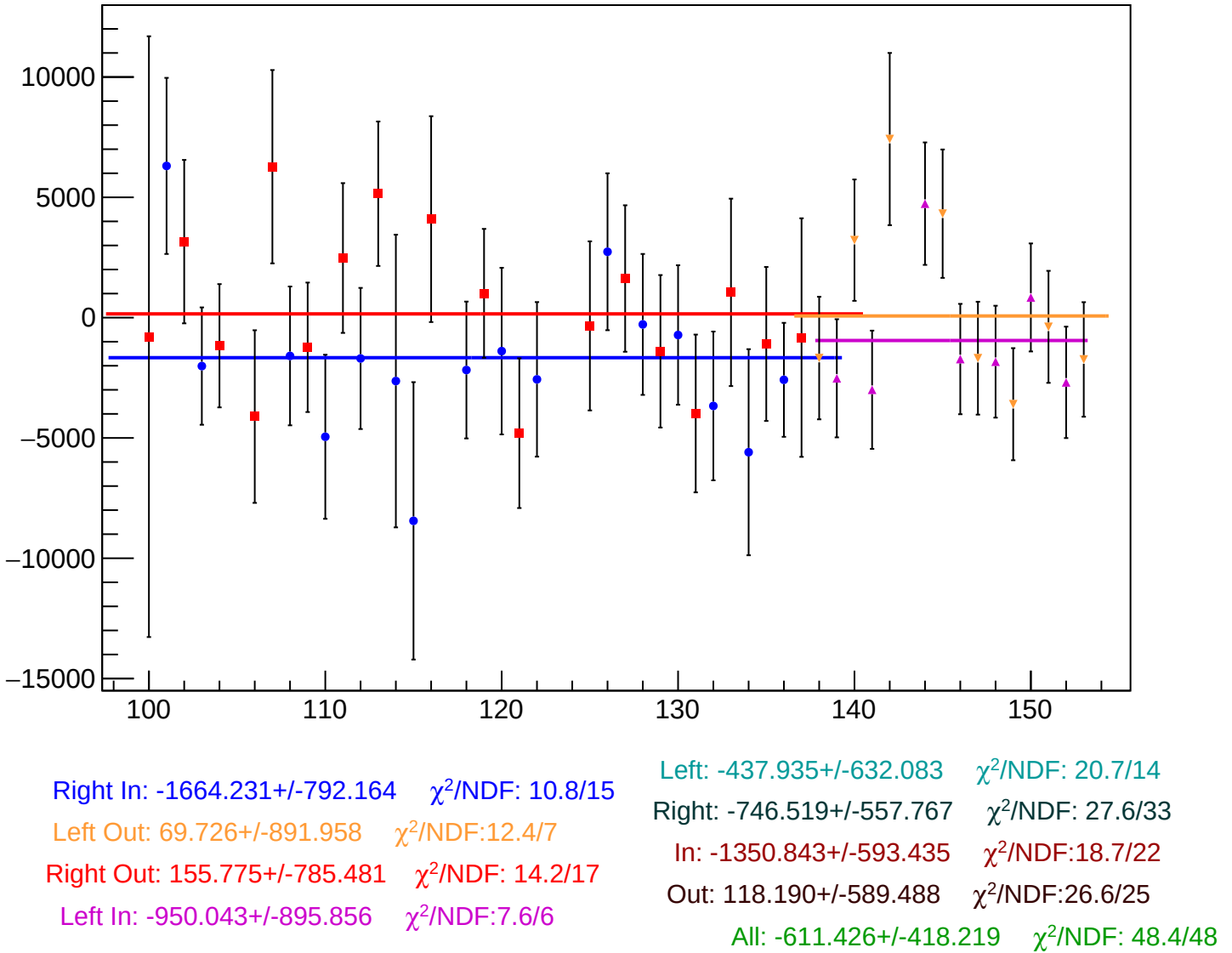
Left: 1356.823+/-0.275 χ^2/NDF: 247227.1/14

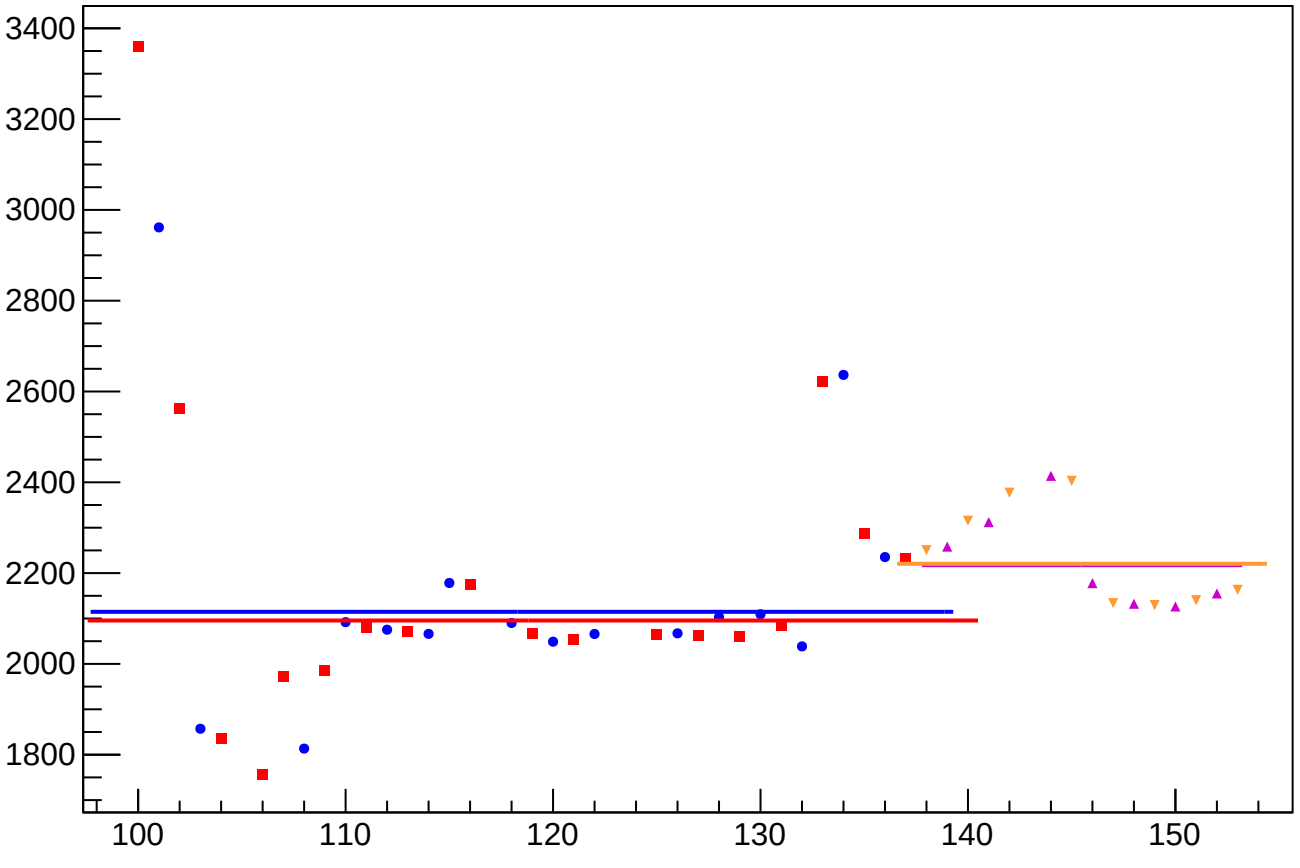
Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1606.607+/-0.329 χ^2/NDF:2730174.3/22

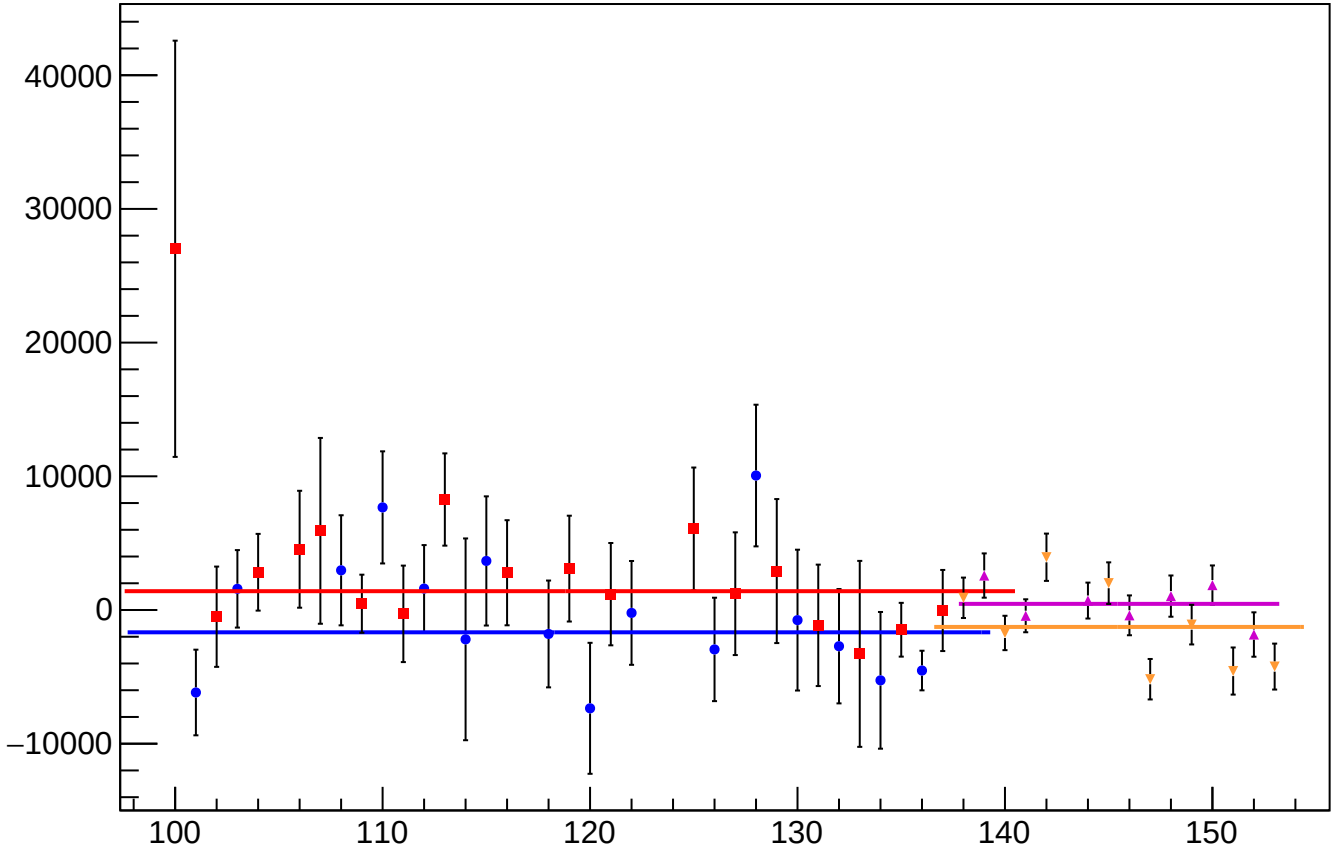
Out: 1585.935+/-0.325 χ^2/NDF:2796977.9/25

All: 1596.157+/-0.231 χ^2/NDF: 5529147.7/48


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
Right In: -1664.231+/-792.164 χ²/NDF: 10.8/15
Left Out: 69.726+/-891.958 χ²/NDF:12.4/7
Right Out: 155.775+/-785.481 χ²/NDF: 14.2/17
Left In: -950.043+/-895.856 χ²/NDF:7.6/6
Left: -437.935+/-632.083 χ²/NDF: 20.7/14
Right: -746.519+/-557.767 χ²/NDF: 27.6/33
In: -1350.843+/-593.435 χ²/NDF:18.7/22
Out: 118.190+/-589.488 χ²/NDF:26.6/25
All: -611.426+/-418.219 χ²/NDF: 48.4/48


eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs Slug, Sign Corrected
3400
3200
3000
2800
2600
2400
2200
2000
1800
100
110
120
130
140
150
Right In: 2114.755+/-0.560 χ²/NDF: 189920.9/15
Left Out: 2220.541+/-0.631 χ²/NDF:25638.1/7
Right Out: 2095.597+/-0.555 χ²/NDF: 149360.5/17
Left In: 2217.476+/-0.633 χ²/NDF:23498.6/6
Left: 2219.015+/-0.447 χ²/NDF: 49148.4/14
Right: 2105.095+/-0.394 χ²/NDF: 339871.2/33
In: 2159.829+/-0.420 χ²/NDF:228176.1/22
Out: 2150.170+/-0.417 χ²/NDF:197101.8/25
All: 2154.967+/-0.296 χ²/NDF: 425544.6/48

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: -1266.113+/-548.176 χ^2/NDF:28.5/7

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 458.935+/-552.763 χ^2/NDF:5.5/6

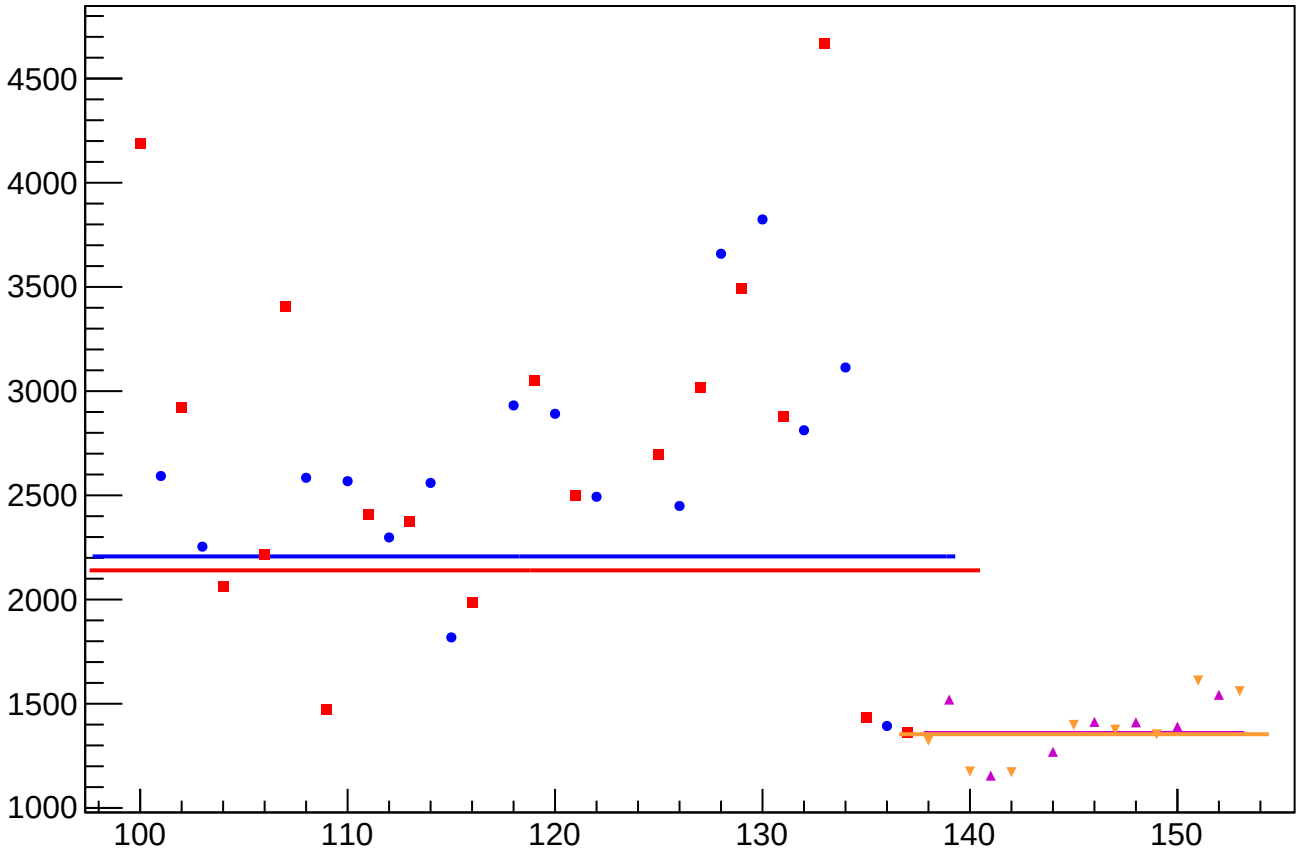
Left: -410.776+/-389.231 χ^2/NDF: 38.9/14

Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: -160.841+/-465.331 χ^2/NDF:32.3/22

Out: -476.783+/-460.214 χ^2/NDF:48.5/25

All: -320.559+/-327.215 χ^2/NDF: 81.0/48



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1353.869+/-0.388 χ^2/NDF:134304.1/7

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1359.826+/-0.391 χ^2/NDF:112806.0/6

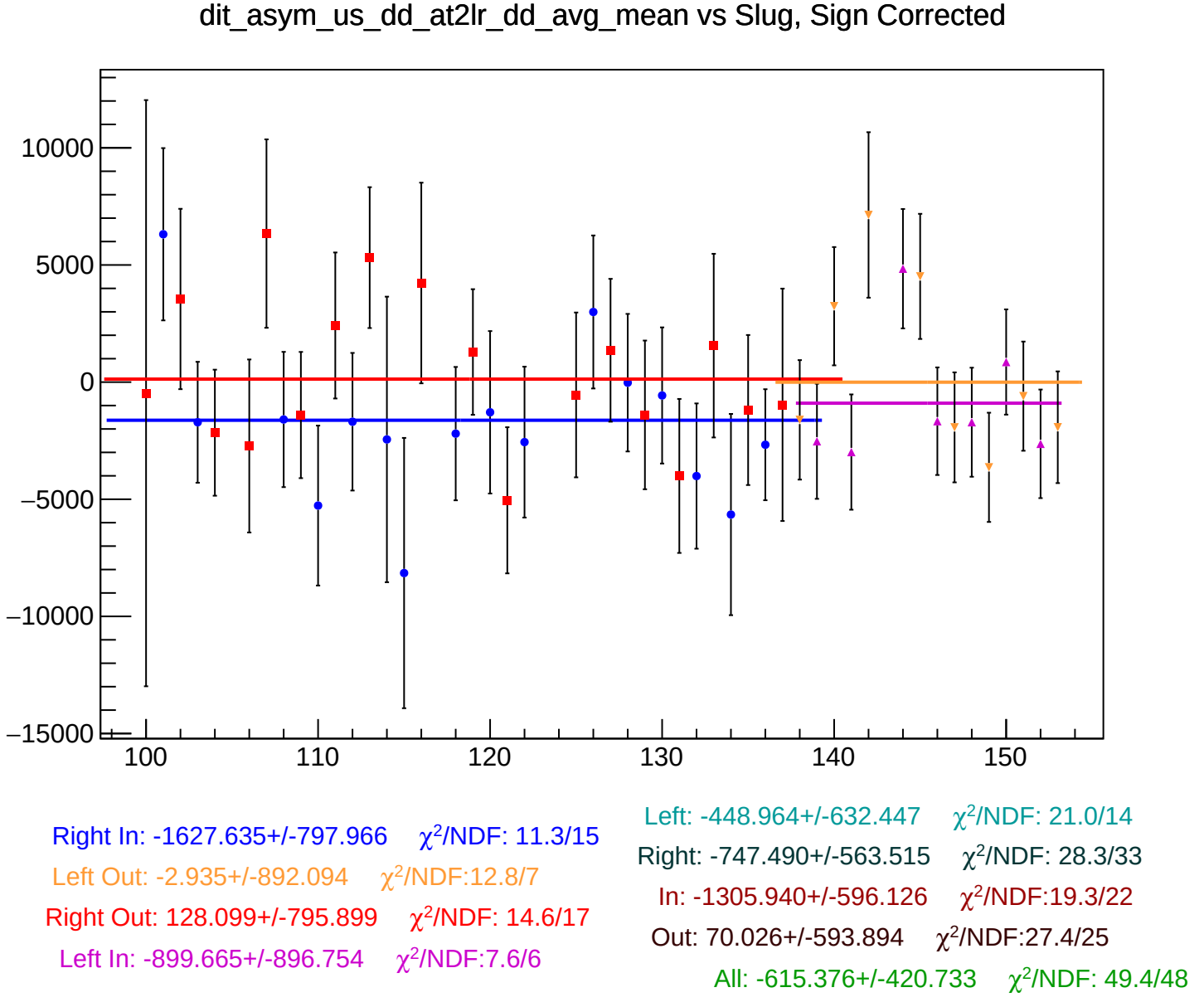
Left: 1356.823+/-0.275 χ^2/NDF: 247227.1/14

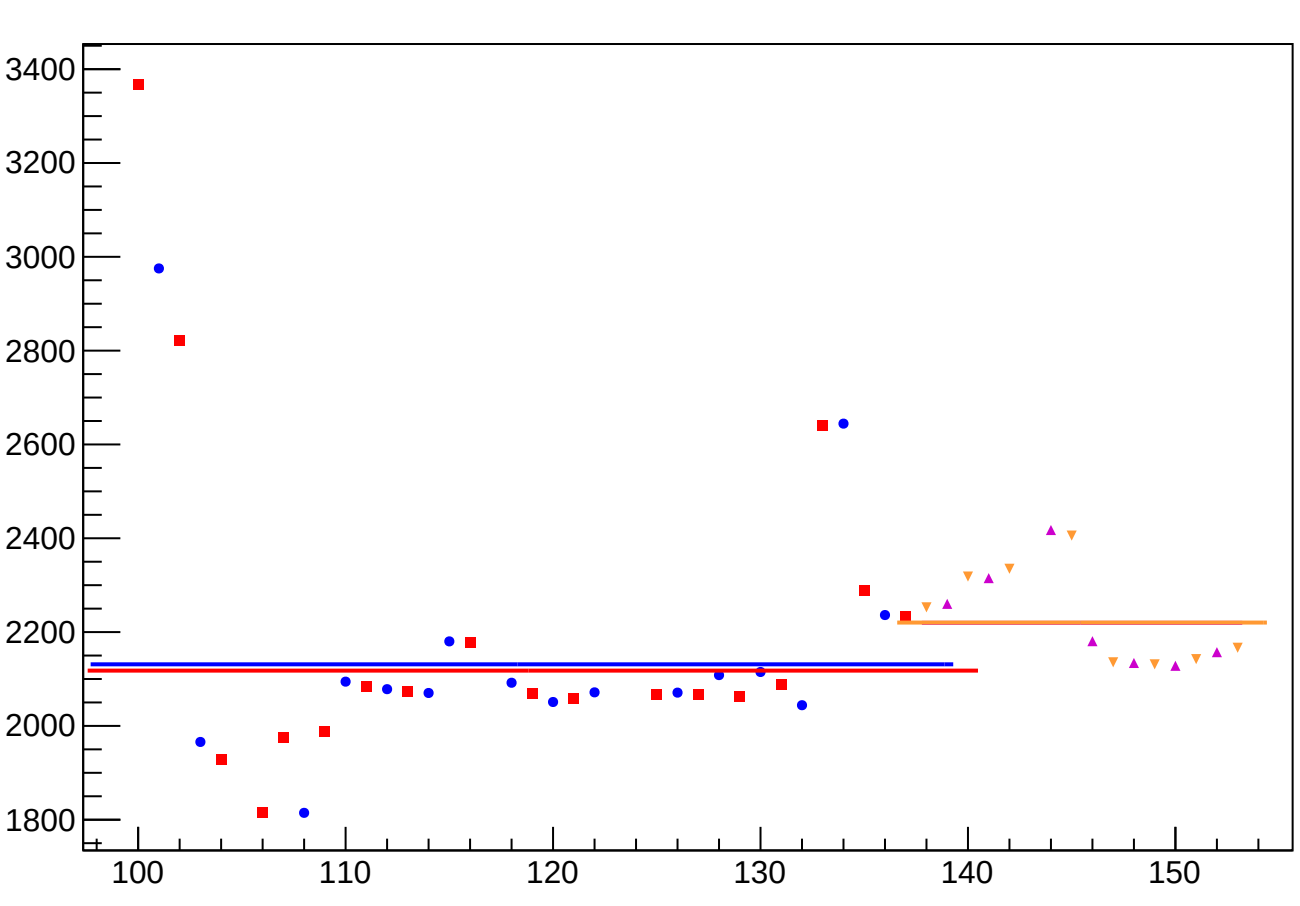
Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1606.607+/-0.329 χ^2/NDF:2730174.3/22

Out: 1585.935+/-0.325 χ^2/NDF:2796977.9/25

All: 1596.157+/-0.231 χ^2/NDF: 5529147.7/48


dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: -1627.635+/-797.966 χ²/NDF: 11.3/15
Left Out: -2.935+/-892.094 χ²/NDF:12.8/7
Right Out: 128.099+/-795.899 χ²/NDF: 14.6/17
Left In: -899.665+/-896.754 χ²/NDF:7.6/6
Left: -448.964+/-632.447 χ²/NDF: 21.0/14
Right: -747.490+/-563.515 χ²/NDF: 28.3/33
In: -1305.940+/-596.126 χ²/NDF:19.3/22
Out: 70.026+/-593.894 χ²/NDF:27.4/25
All: -615.376+/-420.733 χ²/NDF: 49.4/48



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2220.319+/-0.631 χ^2/NDF:23865.9/7

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2219.674+/-0.634 χ^2/NDF:23668.9/6

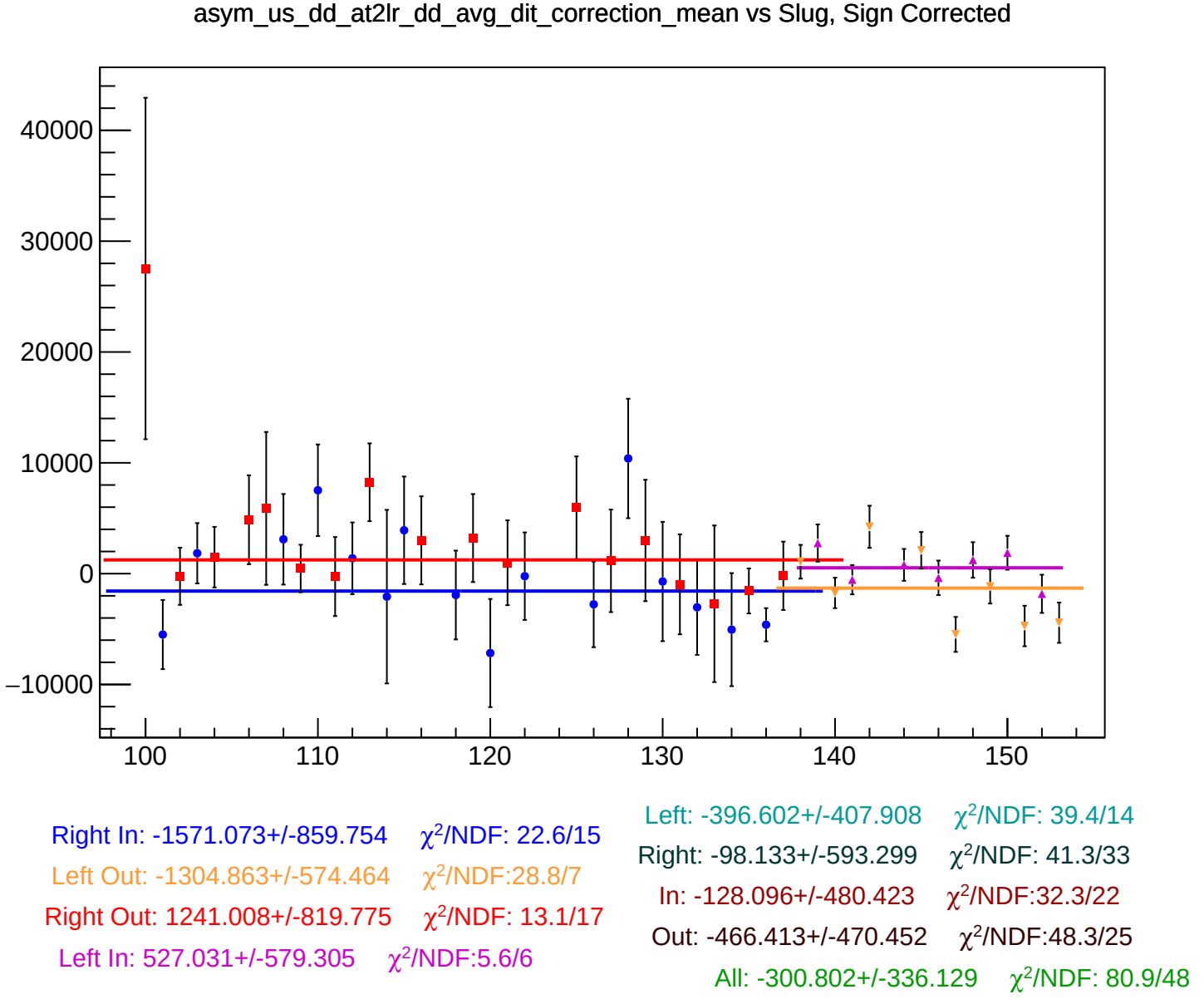
Left: 2219.998+/-0.447 χ^2/NDF: 47535.3/14

Right: 2124.565+/-0.398 χ^2/NDF: 339850.1/33

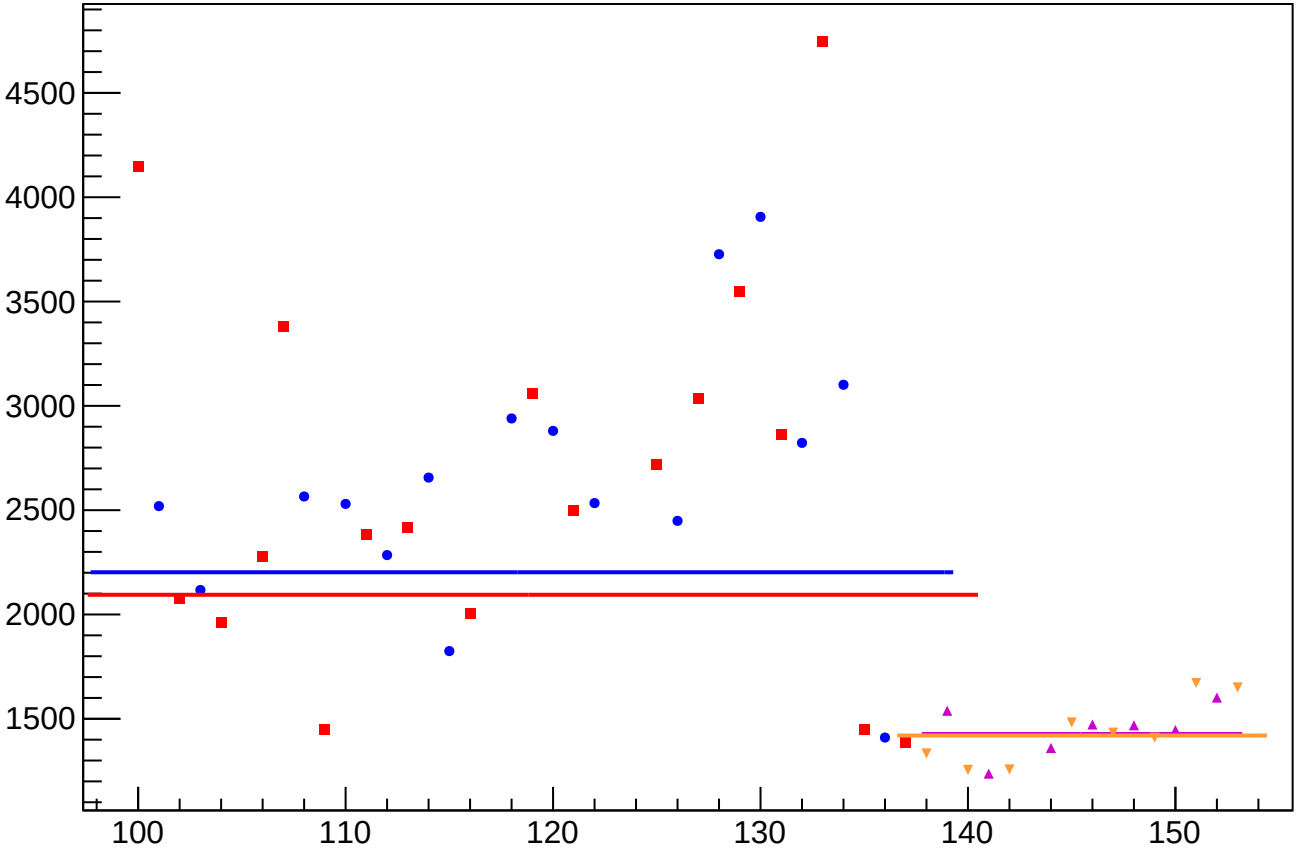
In: 2170.352+/-0.422 χ^2/NDF:210452.8/22

Out: 2163.273+/-0.420 χ^2/NDF:202176.0/25

All: 2166.799+/-0.298 χ^2/NDF: 412770.4/48


asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
Right In: -1571.073+/-859.754 χ²/NDF: 22.6/15
Left Out: -1304.863+/-574.464 χ²/NDF:28.8/7
Right Out: 1241.008+/-819.775 χ²/NDF: 13.1/17
Left In: 527.031+/-579.305 χ²/NDF:5.6/6
Left: -396.602+/-407.908 χ²/NDF: 39.4/14
Right: -98.133+/-593.299 χ²/NDF: 41.3/33
In: -128.096+/-480.423 χ²/NDF:32.3/22
Out: -466.413+/-470.452 χ²/NDF:48.3/25
All: -300.802+/-336.129 χ²/NDF: 80.9/48

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1419.831+/-0.406 χ^2/NDF:123210.2/7

Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1427.319+/-0.410 χ^2/NDF:78464.3/6

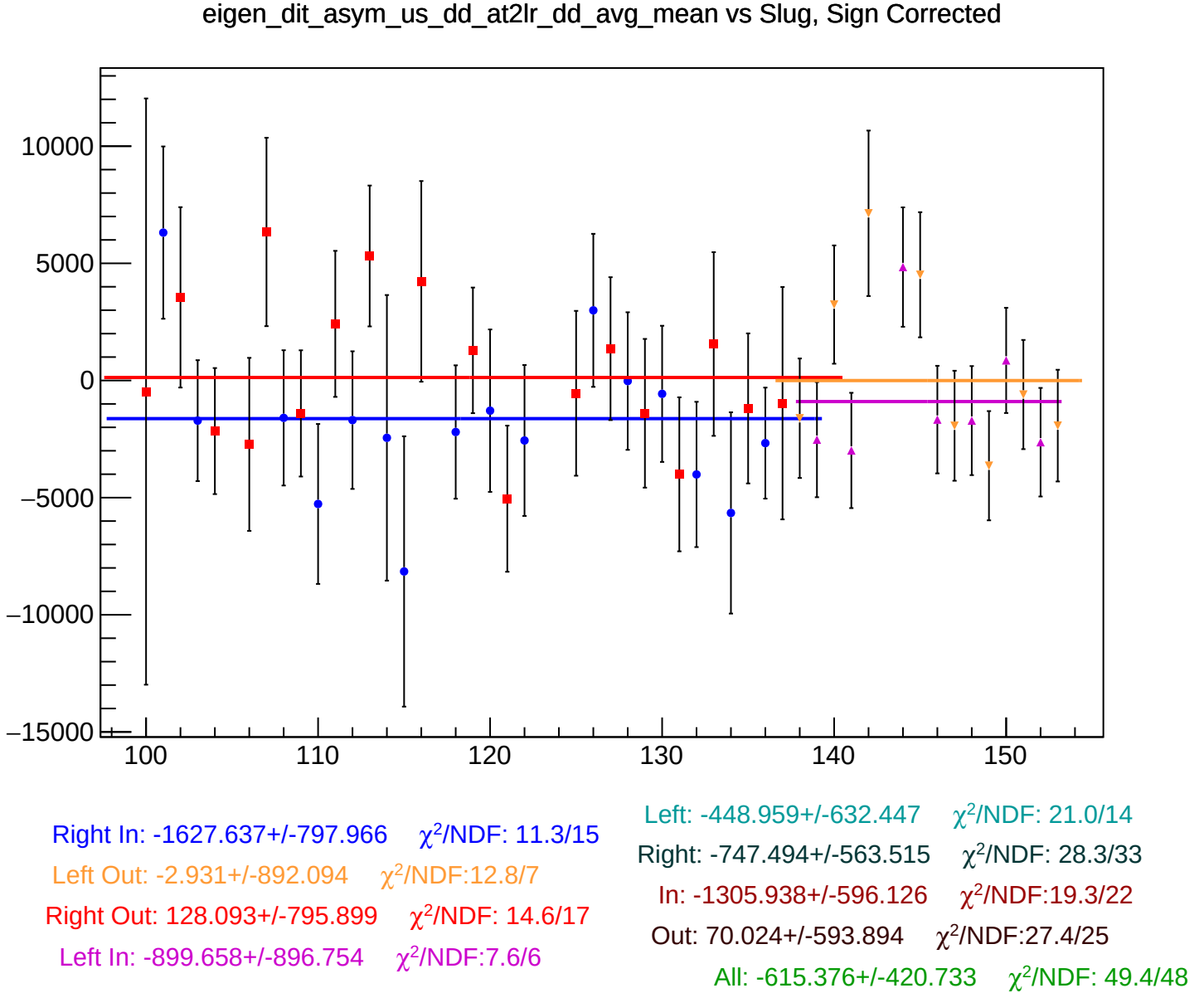
Left: 1423.544+/-0.288 χ^2/NDF: 201843.0/14

Right: 2145.844+/-0.420 χ^2/NDF: 2613152.0/33

In: 1669.329+/-0.340 χ^2/NDF:2419280.7/22

Out: 1642.007+/-0.333 χ^2/NDF:2405241.6/25

All: 1655.381+/-0.238 χ^2/NDF: 4827824.5/48


eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
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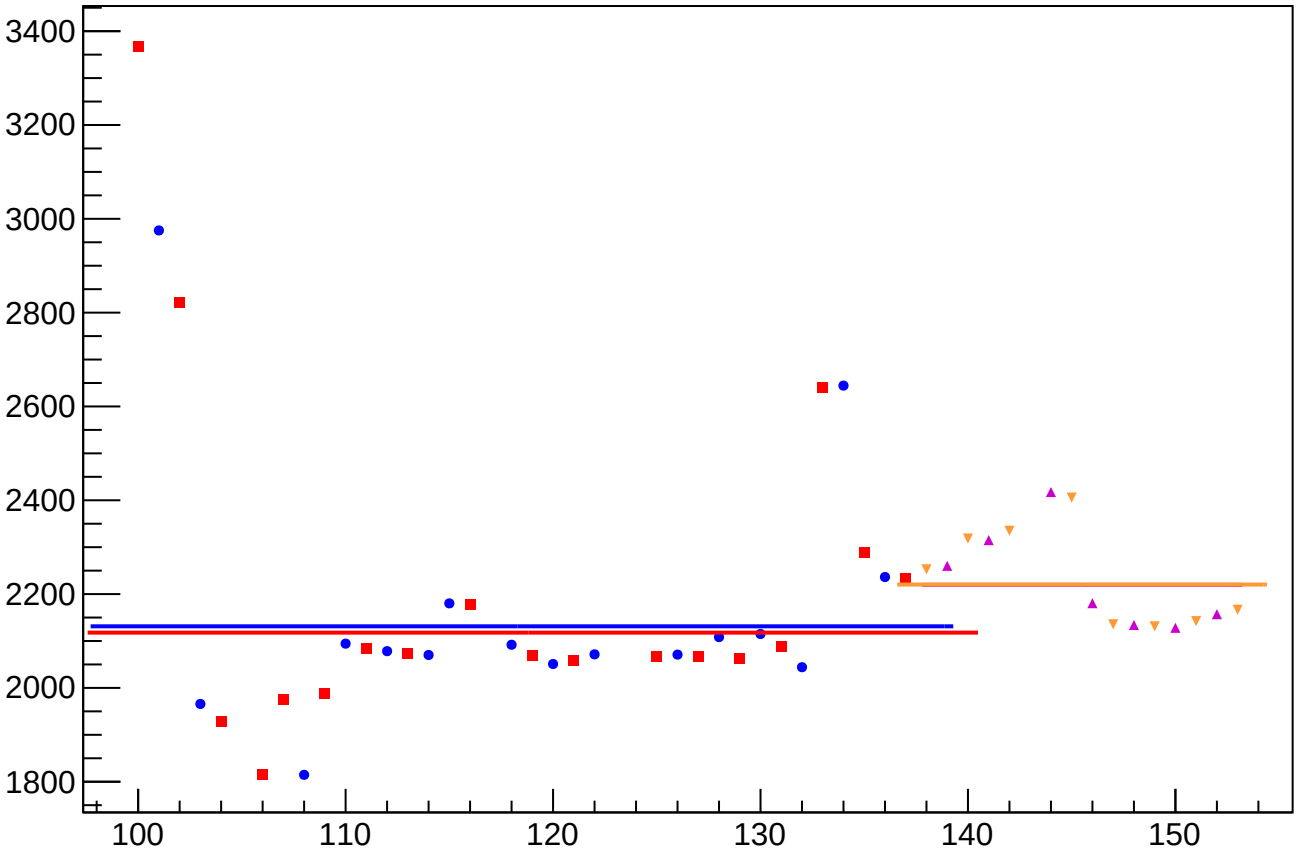
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: -1627.637+/-797.966 χ²/NDF: 11.3/15
Left Out: -2.931+/-892.094 χ²/NDF:12.8/7
Right Out: 128.093+/-795.899 χ²/NDF: 14.6/17
Left In: -899.658+/-896.754 χ²/NDF:7.6/6
Left: -448.959+/-632.447 χ²/NDF: 21.0/14
Right: -747.494+/-563.515 χ²/NDF: 28.3/33
In: -1305.938+/-596.126 χ²/NDF:19.3/22
Out: 70.024+/-593.894 χ²/NDF:27.4/25
All: -615.376+/-420.733 χ²/NDF: 49.4/48



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2220.319+/-0.631 χ^2/NDF:23865.9/7

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2219.673+/-0.634 χ^2/NDF:23669.0/6

Left: 2219.998+/-0.447 χ^2/NDF: 47535.4/14

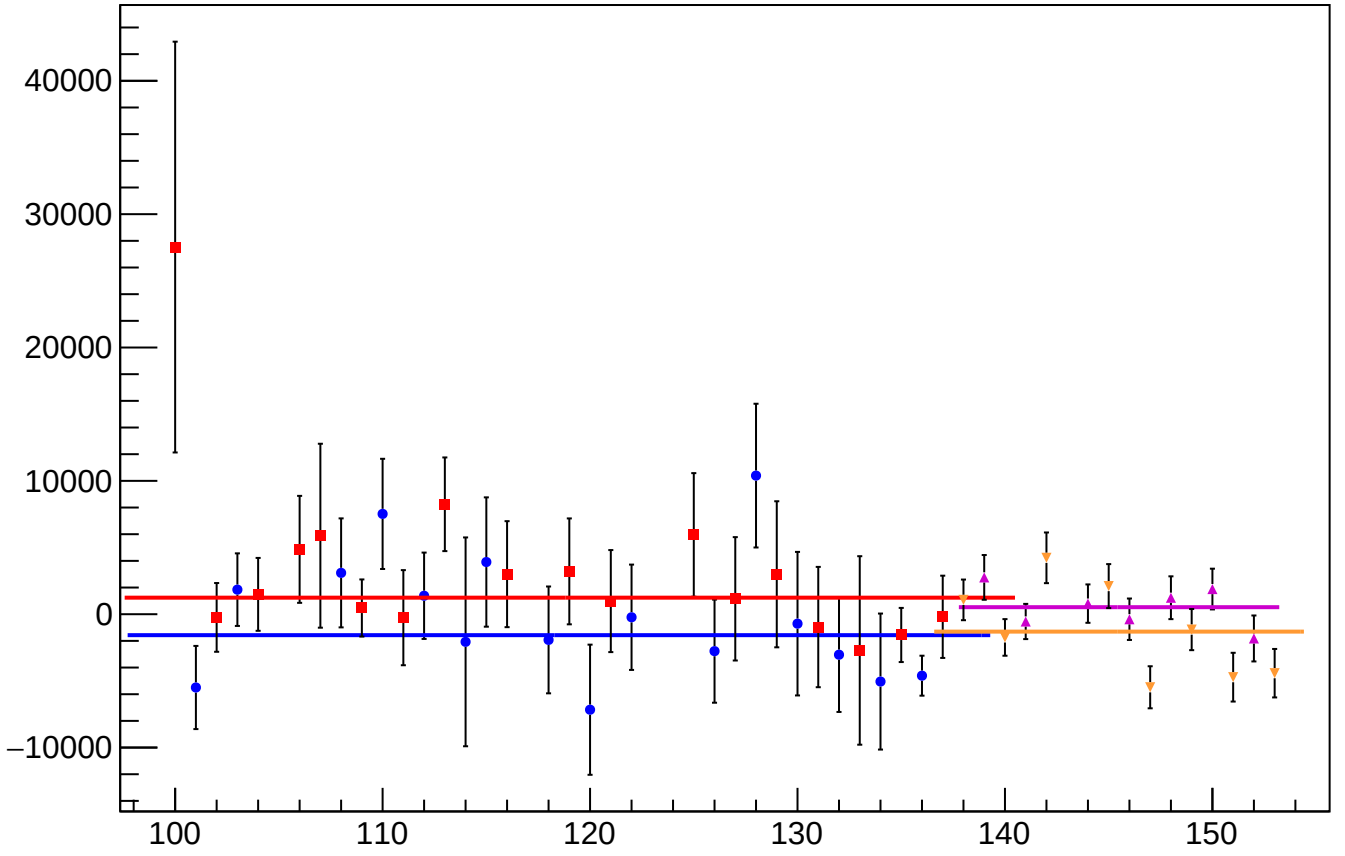
Right: 2124.565+/-0.398 χ^2/NDF: 339849.9/33

In: 2170.352+/-0.422 χ^2/NDF:210452.9/22

Out: 2163.273+/-0.420 χ^2/NDF:202176.0/25

All: 2166.799+/-0.298 χ^2/NDF: 412770.4/48

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: -1304.876+/-574.466 χ^2/NDF:28.8/7

Right Out: 1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: 527.031+/-579.305 χ^2/NDF:5.6/6

Left: -396.606+/-407.909 χ^2/NDF: 39.4/14

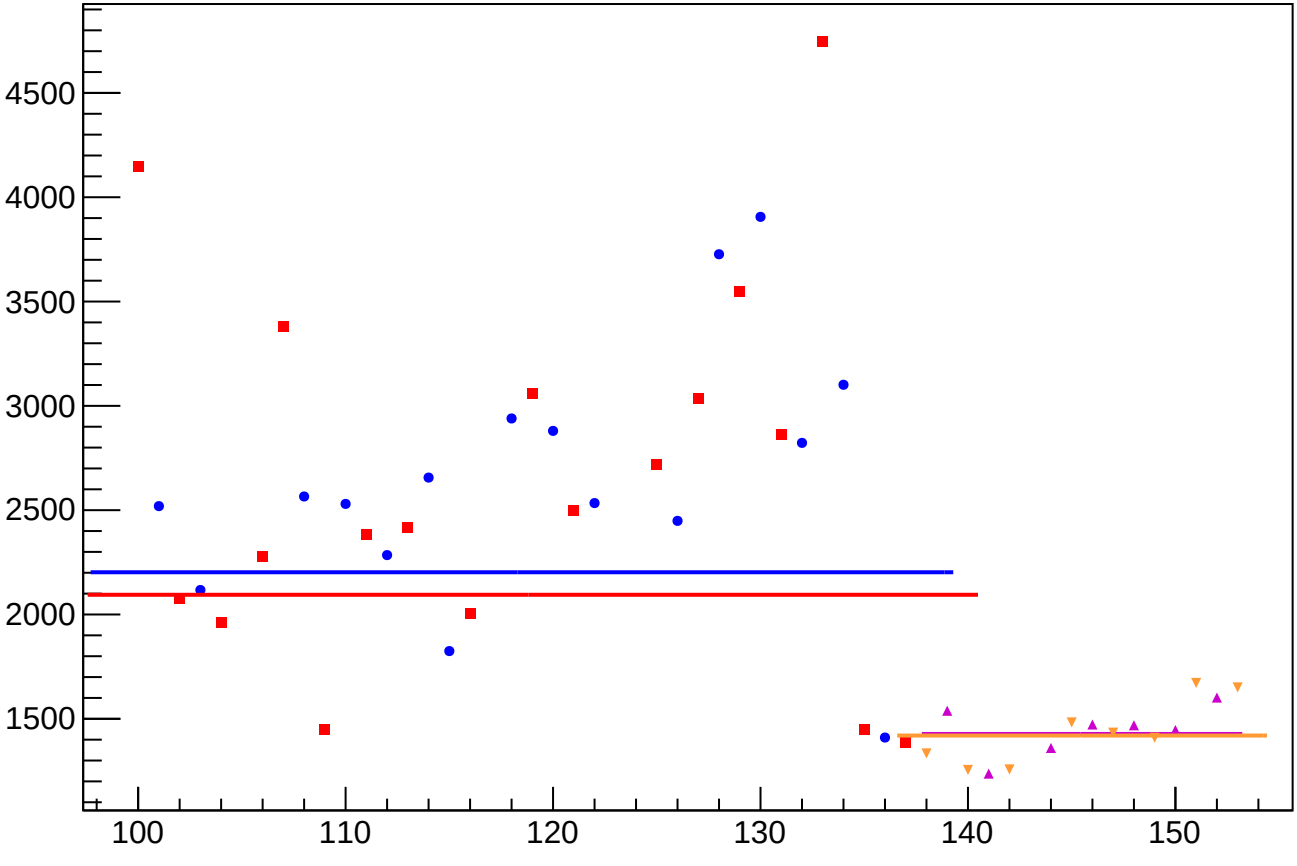
Right: -98.119+/-593.301 χ^2/NDF: 41.3/33

In: -128.090+/-480.423 χ^2/NDF:32.3/22

Out: -466.417+/-470.453 χ^2/NDF:48.3/25

All: -300.801+/-336.130 χ^2/NDF: 80.9/48

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: 1419.836+/-0.406 χ^2/NDF:123202.8/7

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

Left In: 1427.320+/-0.410 χ^2/NDF:78465.6/6

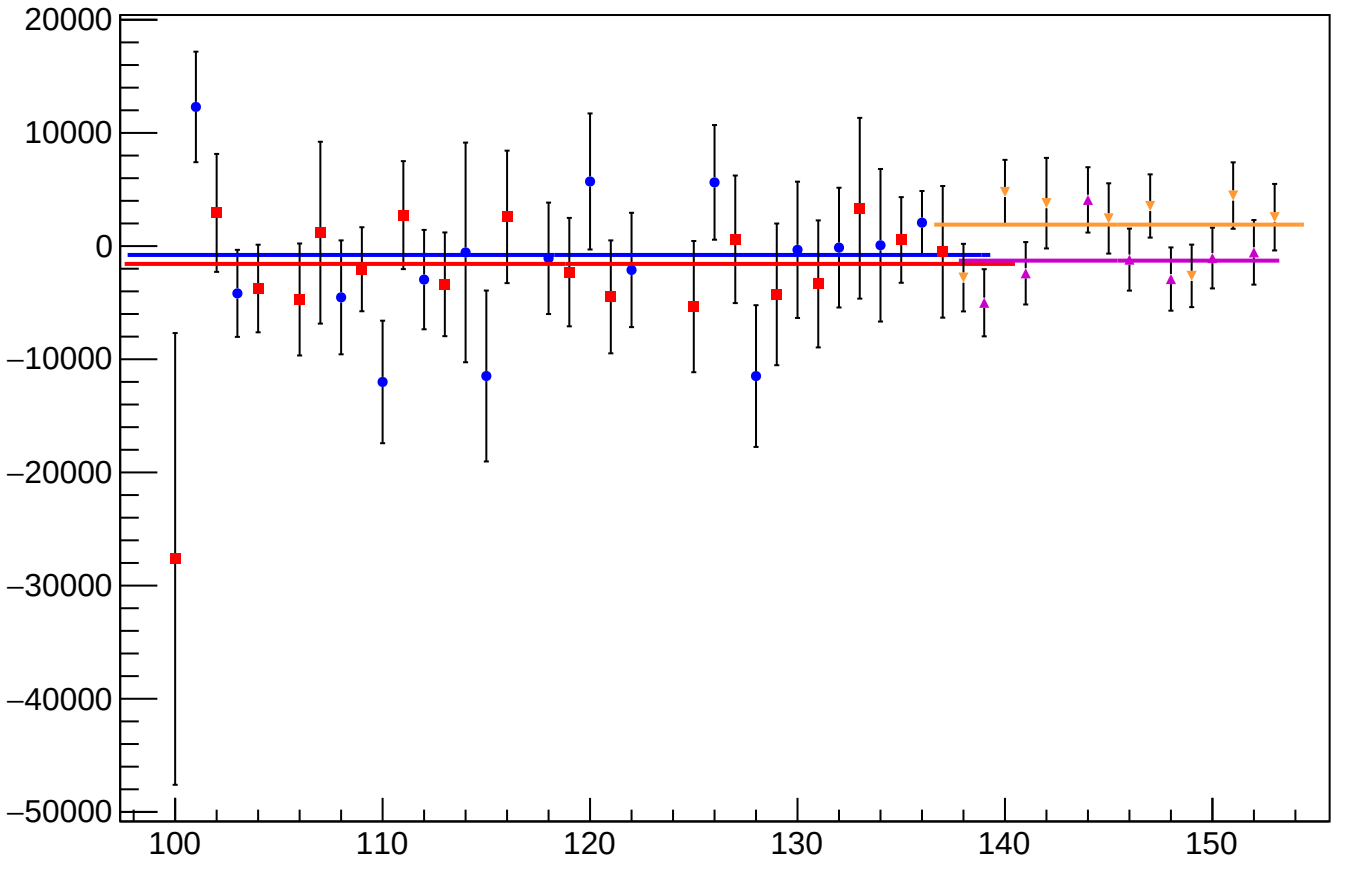
Left: 1423.547+/-0.288 χ^2/NDF: 201836.8/14

Right: 2145.856+/-0.420 χ^2/NDF: 2613045.0/33

In: 1669.333+/-0.340 χ^2/NDF:2419250.0/22

Out: 1642.014+/-0.333 χ^2/NDF:2405199.4/25

All: 1655.387+/-0.238 χ^2/NDF: 4827750.7/48



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 1896.213+/-1057.871 χ^2/NDF:7.6/7

Right Out: -1574.673+/-1218.961 χ^2/NDF: 6.7/17

Left In: -1284.740+/-1061.254 χ^2/NDF:5.6/6

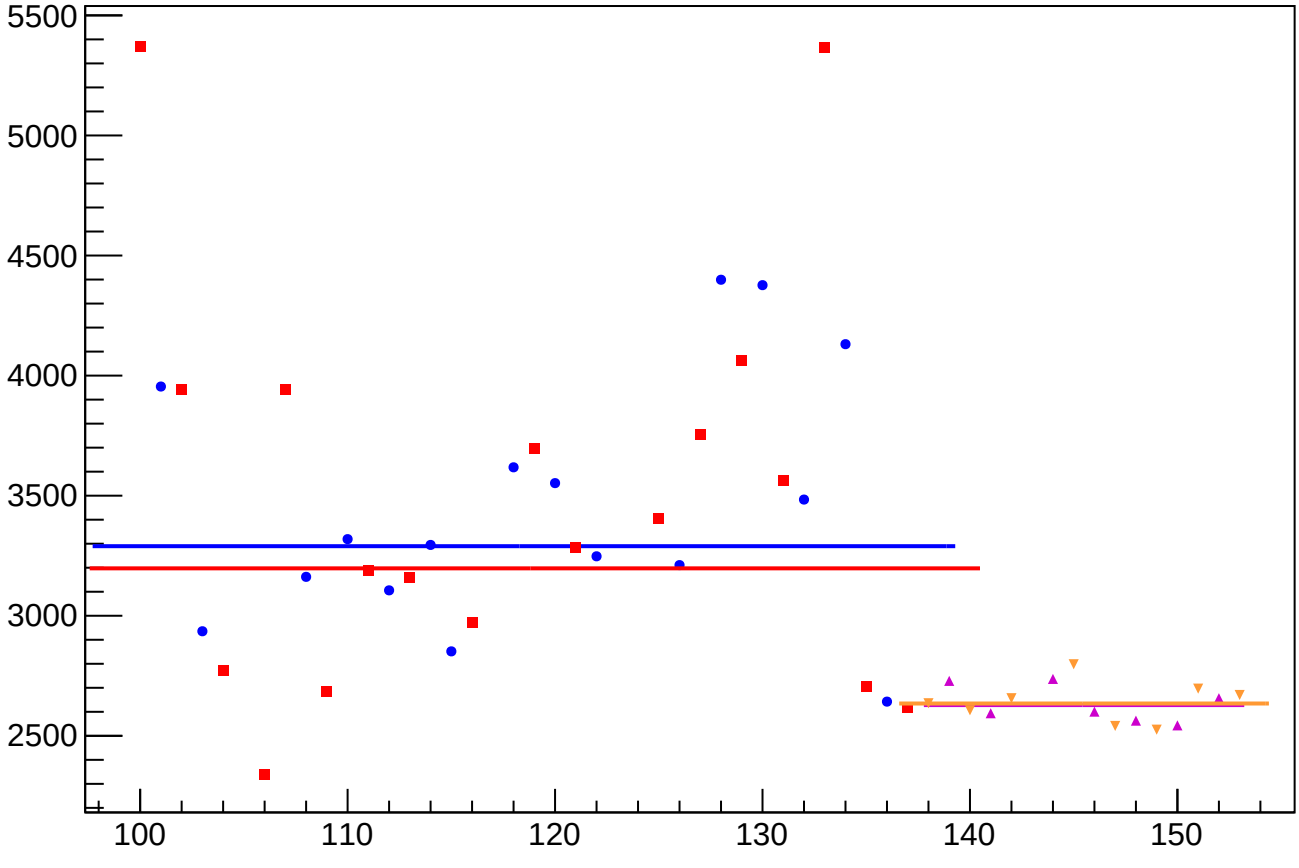
Left: 310.815+/-749.221 χ^2/NDF: 17.7/14

Right: -1185.478+/-869.867 χ^2/NDF: 28.8/33

In: -1072.363+/-806.749 χ^2/NDF:27.6/22

Out: 405.118+/-798.955 χ^2/NDF:19.0/25

All: -326.451+/-567.682 χ^2/NDF: 48.3/48



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2634.574+/-0.748 χ^2/NDF:12327.4/7

Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

Left In: 2627.991+/-0.750 χ^2/NDF:8917.2/6

Left: 2631.293+/-0.530 χ^2/NDF: 21283.2/14

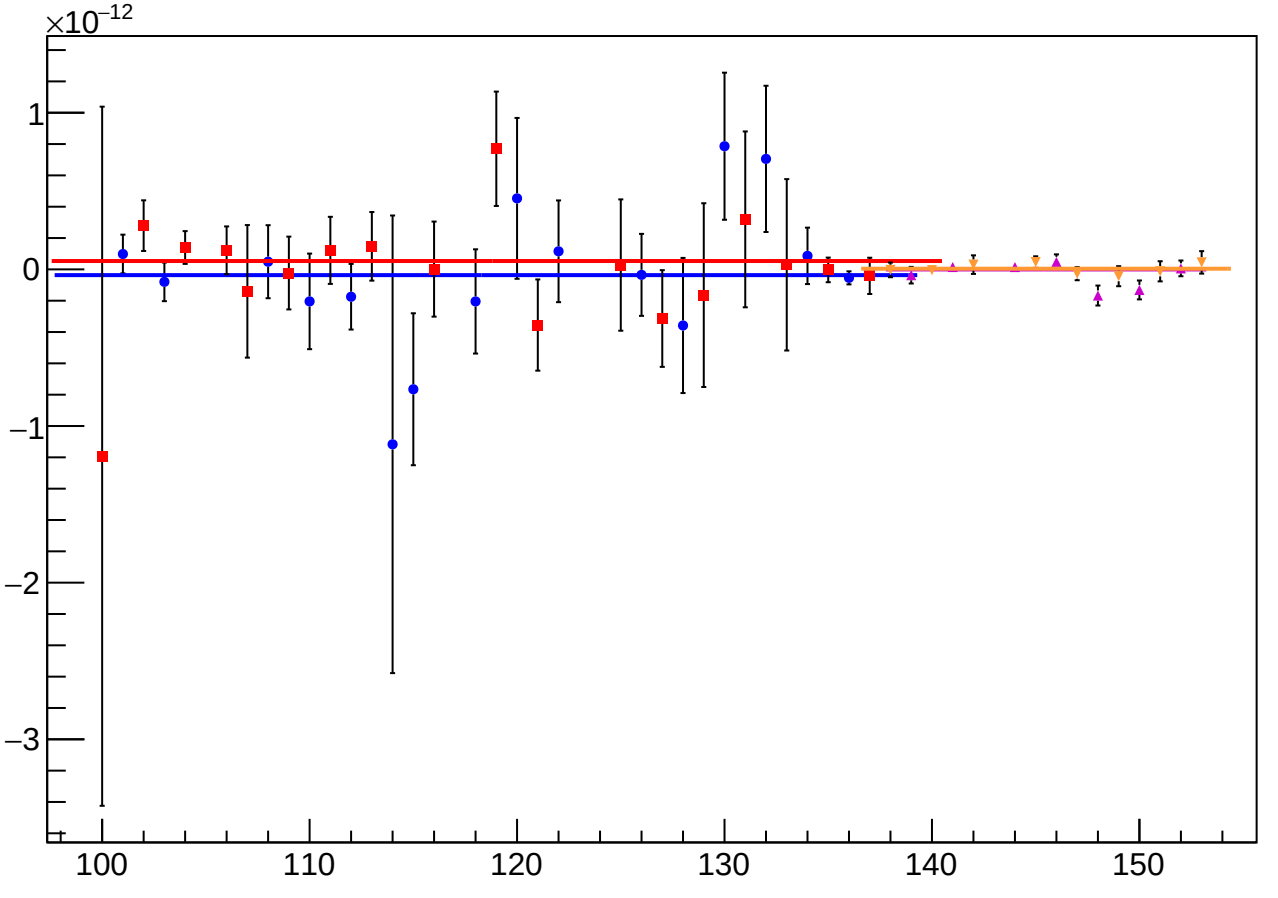
Right: 3242.678+/-0.615 χ^2/NDF: 853157.4/33

In: 2907.308+/-0.570 χ^2/NDF:684718.1/22

Out: 2876.358+/-0.565 χ^2/NDF:755451.9/25

All: 2891.682+/-0.401 χ^2/NDF: 1441656.0/48

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.1/7

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:14.0/6

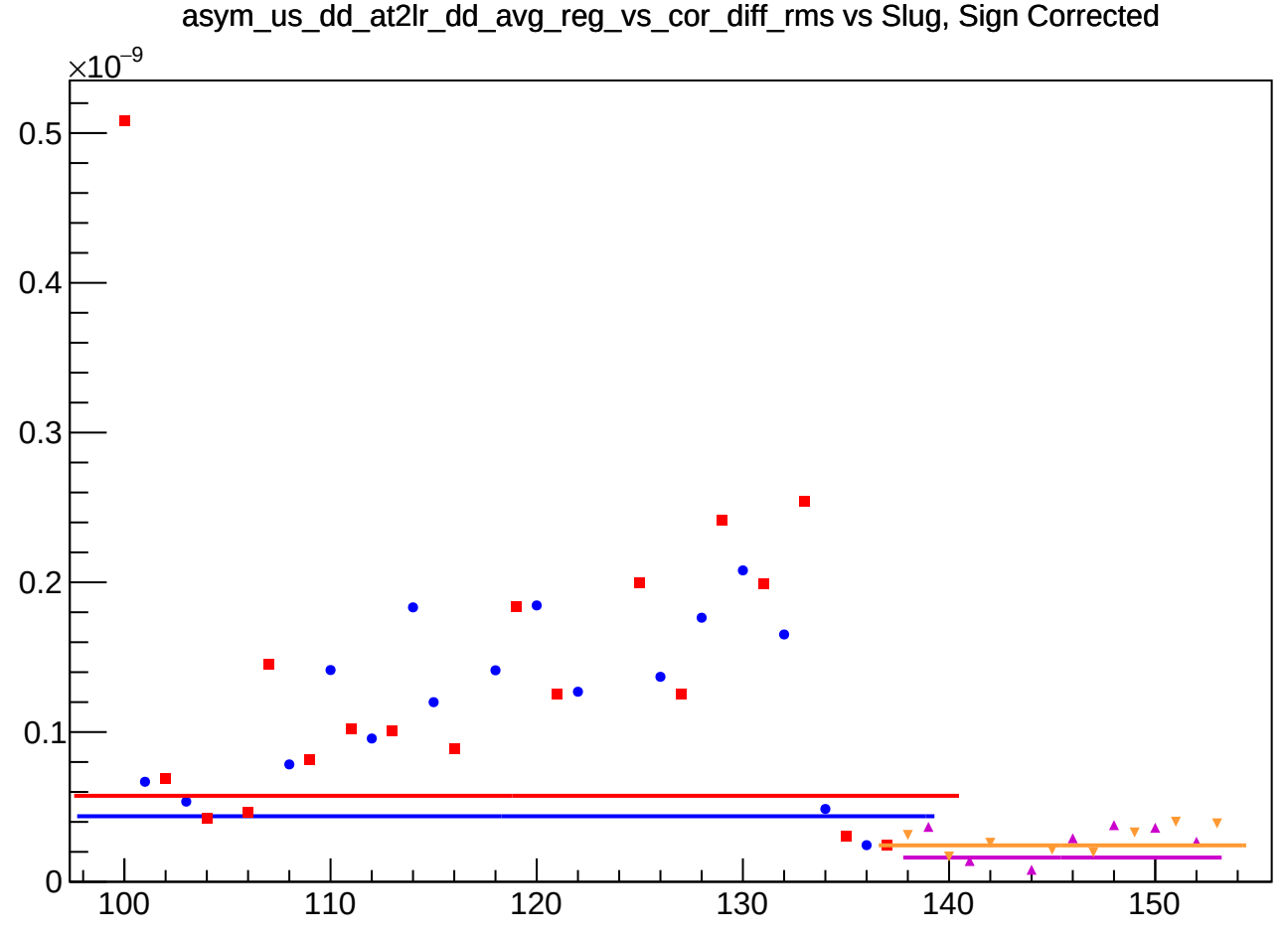
Left: 0.000+/-0.000 χ^2/NDF: 17.2/14

Right: -0.000+/-0.000 χ^2/NDF: 28.4/33

In: -0.000+/-0.000 χ^2/NDF:28.2/22

Out: 0.000+/-0.000 χ^2/NDF:16.8/25

All: 0.000+/-0.000 χ^2/NDF: 45.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:437018.9/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2086696.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1403146.1/6

Left: 0.000+/-0.000 χ^2/NDF: 2144684.0/14

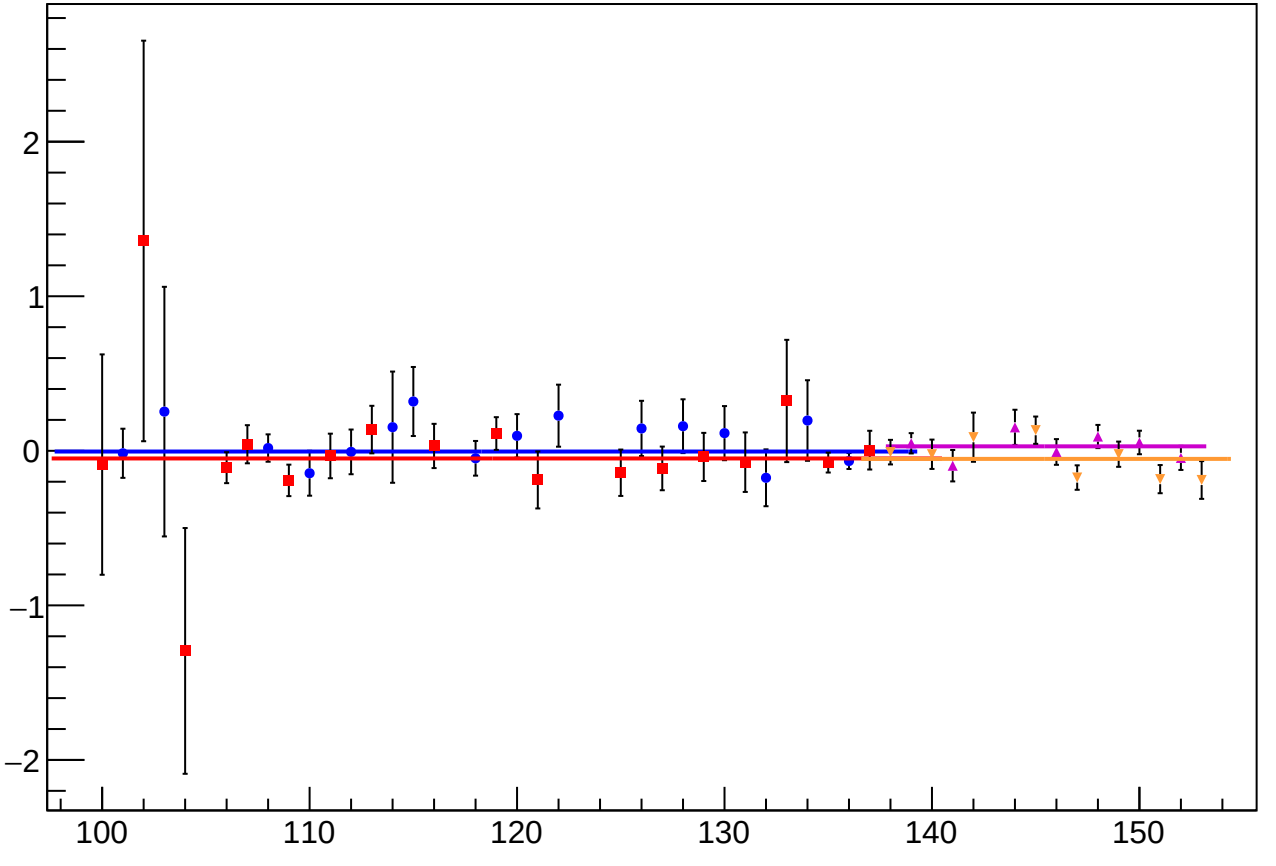
Right: 0.000+/-0.000 χ^2/NDF: 4436407.3/33

In: 0.000+/-0.000 χ^2/NDF:4758558.5/22

Out: 0.000+/-0.000 χ^2/NDF:3544301.6/25

All: 0.000+/-0.000 χ^2/NDF: 8712738.4/48

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: -0.052+/-0.033 χ^2/NDF:11.4/7

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.029+/-0.031 χ^2/NDF:4.7/6

Left: -0.009+/-0.022 χ^2/NDF: 19.4/14

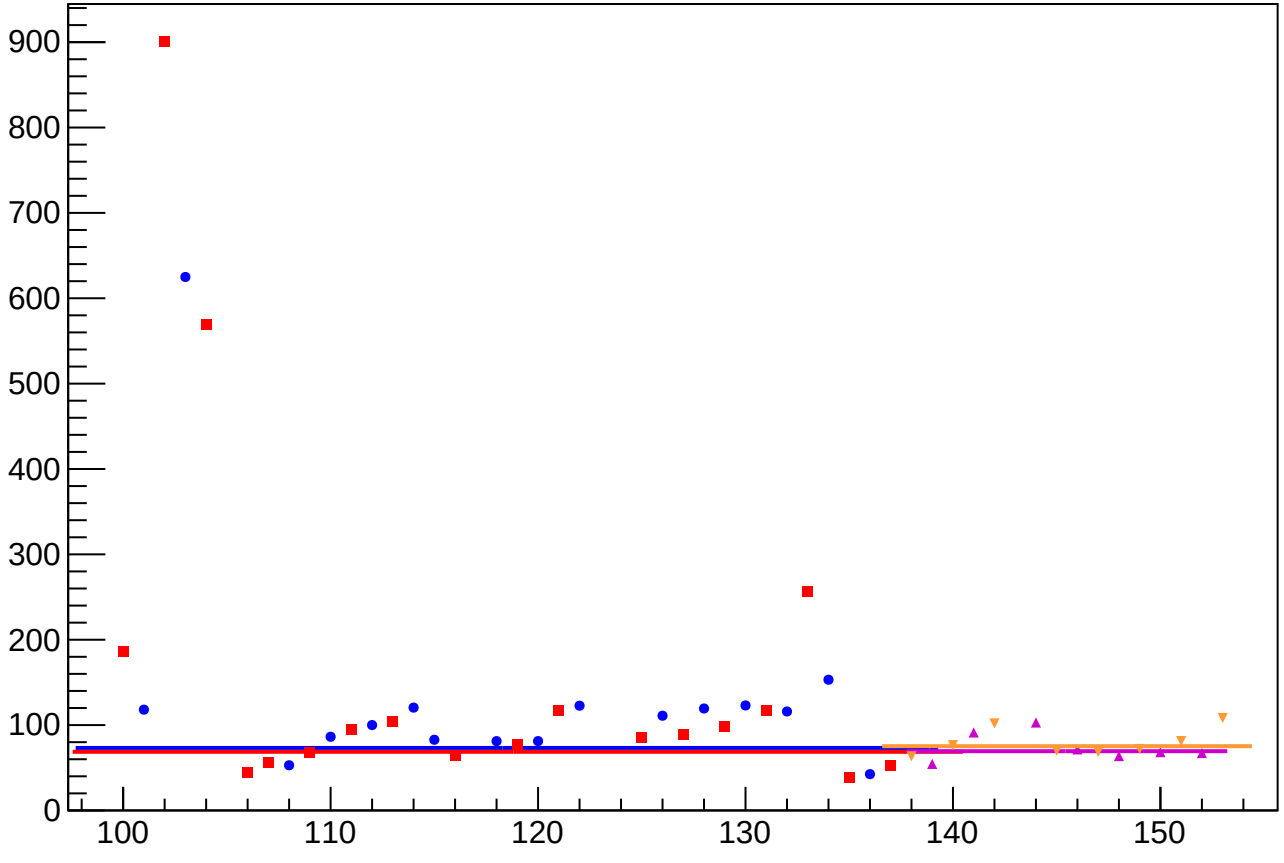
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.013+/-0.022 χ^2/NDF:15.6/22

Out: -0.051+/-0.023 χ^2/NDF:24.4/25

All: -0.018+/-0.016 χ^2/NDF: 44.1/48

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: 75.289+/-0.023 χ^2/NDF:280551.2/7

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 69.418+/-0.022 χ^2/NDF:385289.5/6

Left: 72.160+/-0.016 χ^2/NDF: 700161.2/14

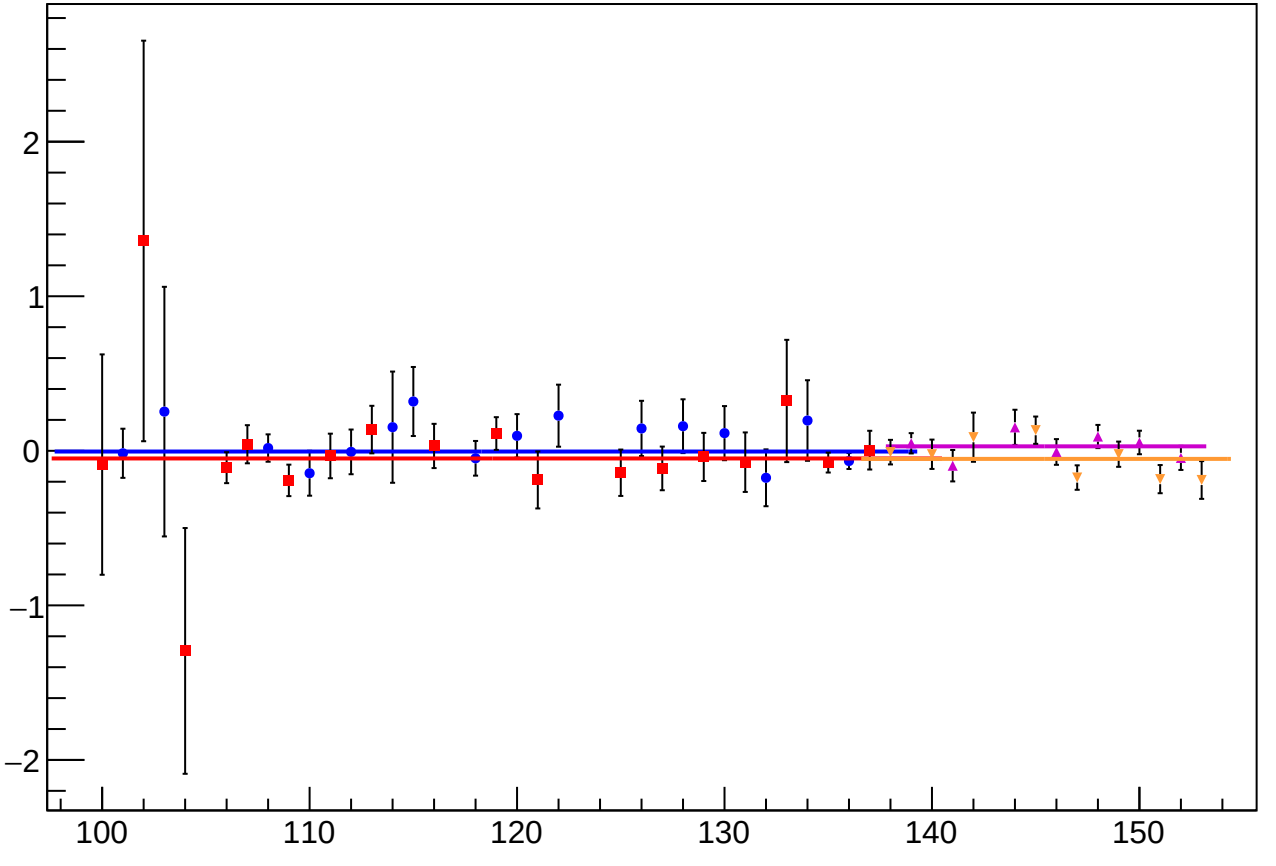
Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 71.229+/-0.016 χ^2/NDF:3254628.9/22

Out: 71.898+/-0.016 χ^2/NDF:3653879.6/25

All: 71.556+/-0.011 χ^2/NDF: 6909394.3/48

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: -0.052+/-0.033 χ^2/NDF:11.4/7

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.029+/-0.031 χ^2/NDF:4.7/6

Left: -0.009+/-0.022 χ^2/NDF: 19.4/14

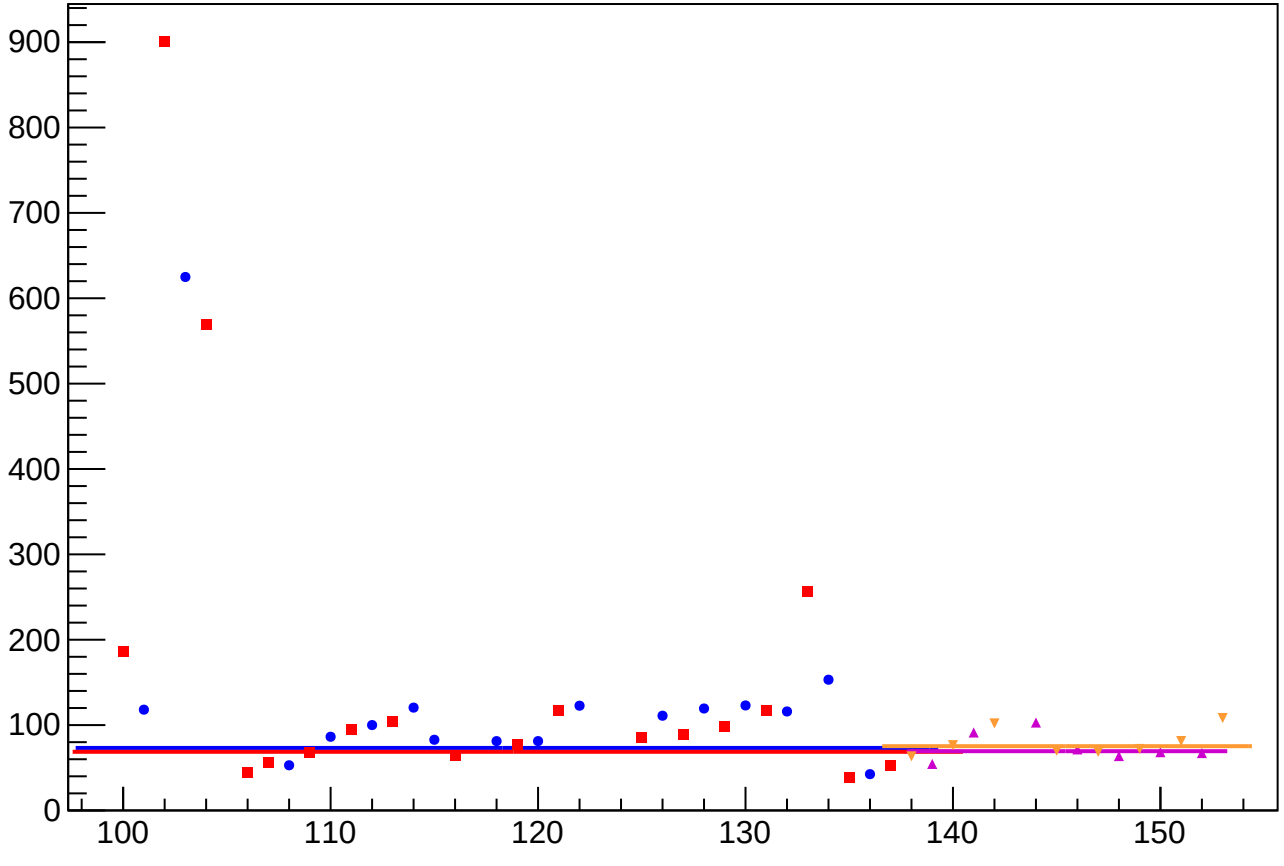
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.013+/-0.022 χ^2/NDF:15.6/22

Out: -0.051+/-0.023 χ^2/NDF:24.4/25

All: -0.018+/-0.016 χ^2/NDF: 44.1/48

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: 75.289+/-0.023 χ^2/NDF:280551.2/7

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 69.418+/-0.022 χ^2/NDF:385289.5/6

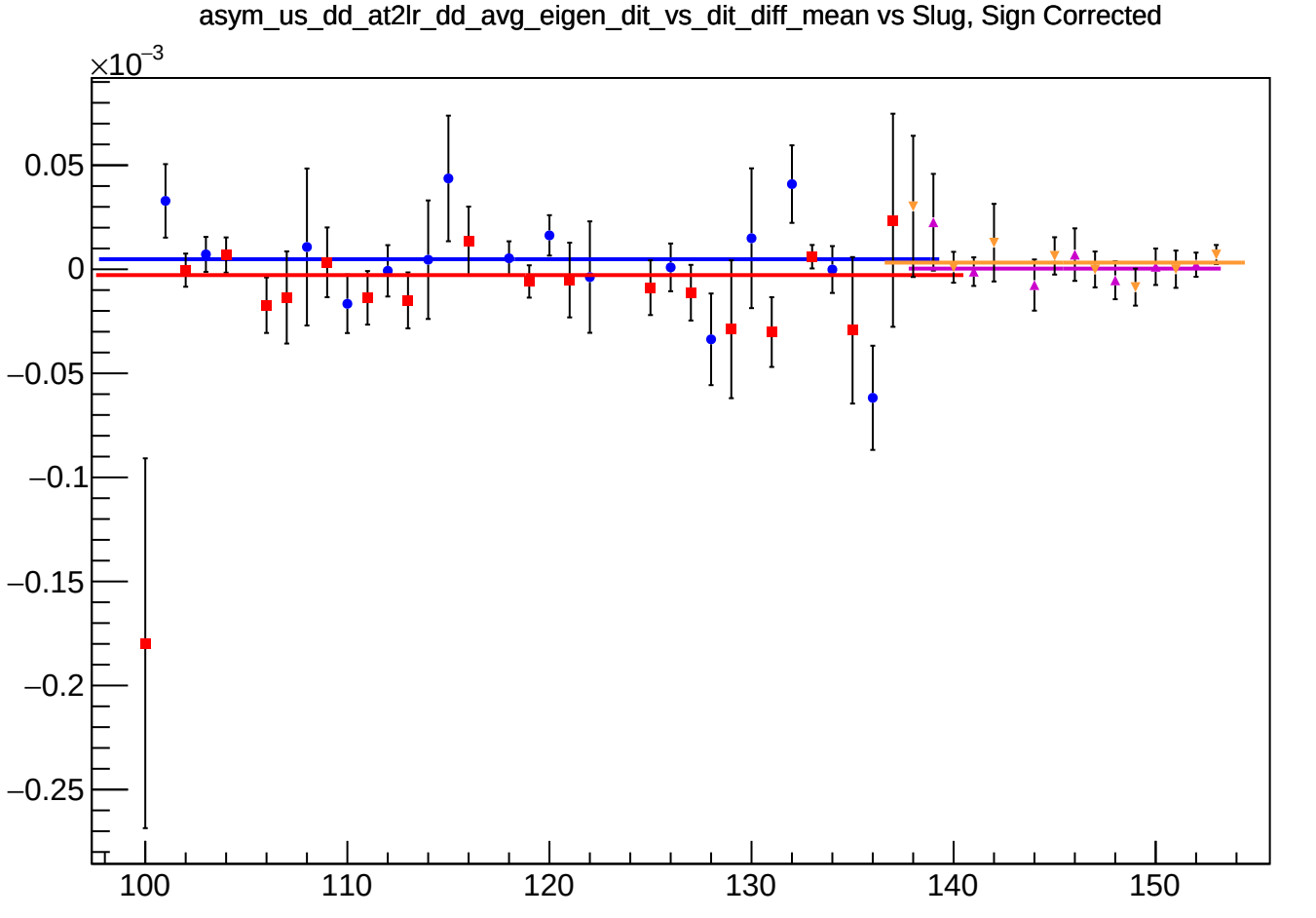
Left: 72.160+/-0.016 χ^2/NDF: 700161.2/14

Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

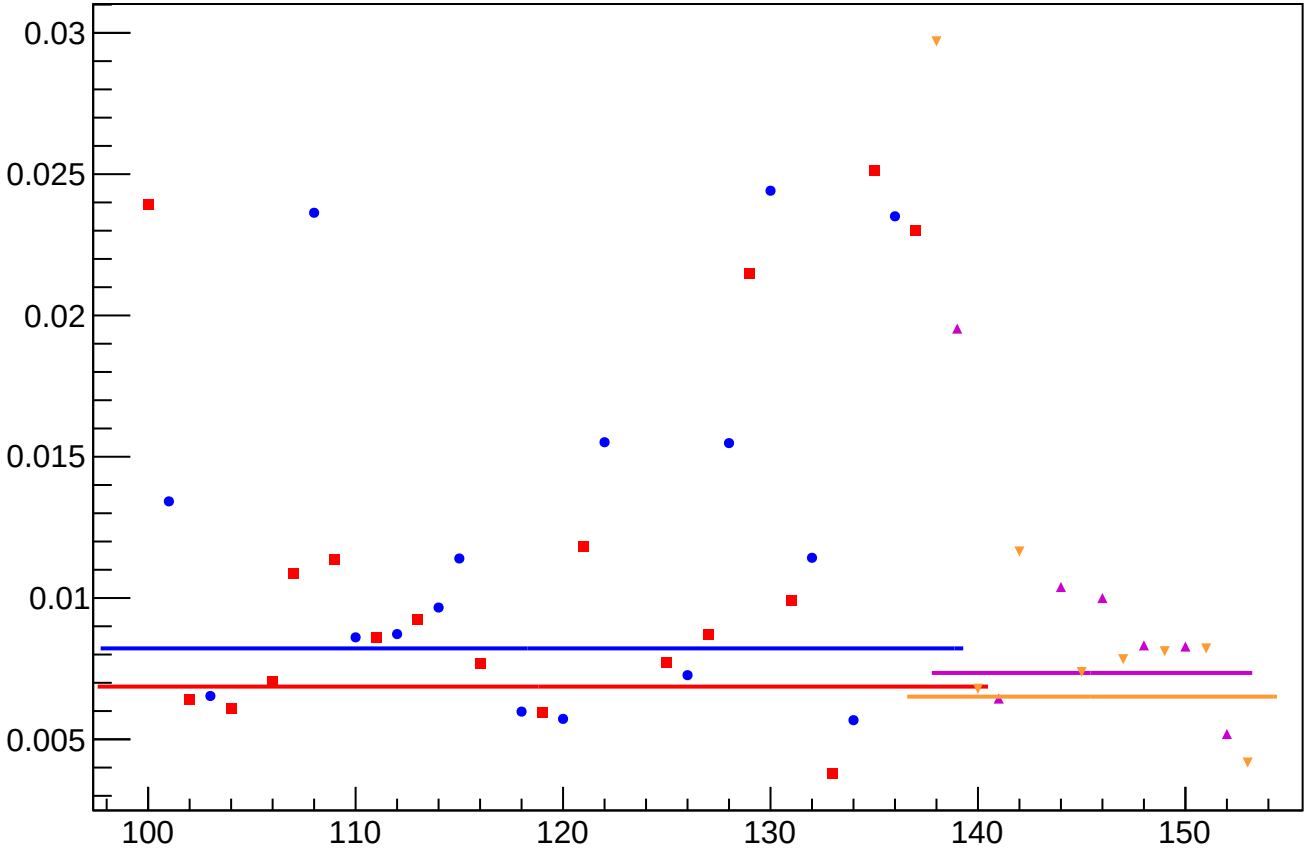
In: 71.229+/-0.016 χ^2/NDF:3254628.9/22

Out: 71.898+/-0.016 χ^2/NDF:3653879.6/25

All: 71.556+/-0.011 χ^2/NDF: 6909394.3/48


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
Right In: 0.000+/-0.000 χ²/NDF: 22.6/15
Left Out: 0.000+/-0.000 χ²/NDF:3.9/7
Right Out: -0.000+/-0.000 χ²/NDF: 16.8/17
Left In: 0.000+/-0.000 χ²/NDF:2.2/6
Left: 0.000+/-0.000 χ²/NDF: 6.4/14
Right: 0.000+/-0.000 χ²/NDF: 42.2/33
In: 0.000+/-0.000 χ²/NDF:25.6/22
Out: 0.000+/-0.000 χ²/NDF:22.8/25
All: 0.000+/-0.000 χ²/NDF: 49.0/48

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: 0.007+/-0.000 χ^2/NDF:1806460.1/7

Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

Left In: 0.007+/-0.000 χ^2/NDF:1118719.0/6

Left: 0.007+/-0.000 χ^2/NDF: 2997910.3/14

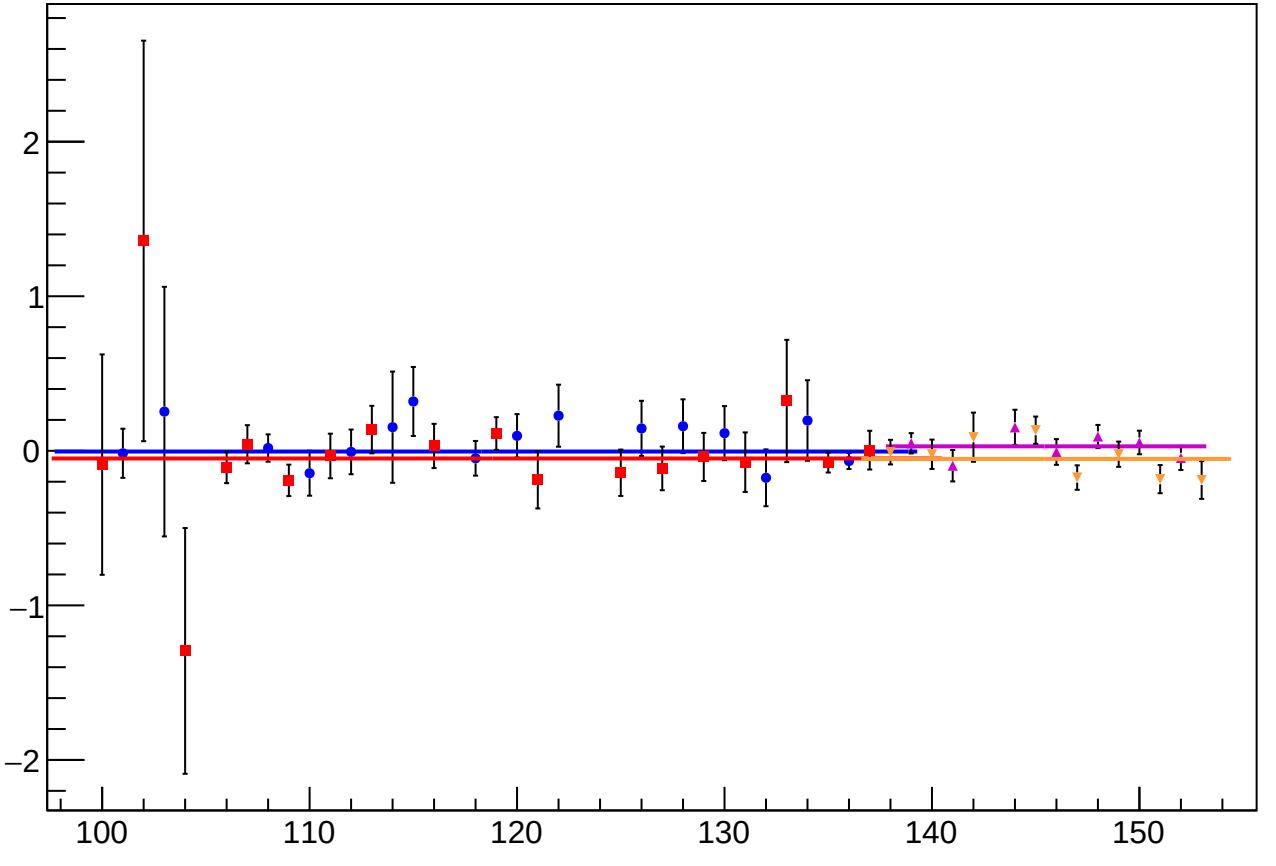
Right: 0.007+/-0.000 χ^2/NDF: 5263403.5/33

In: 0.008+/-0.000 χ^2/NDF:3839954.6/22

Out: 0.007+/-0.000 χ^2/NDF:4248338.4/25

All: 0.007+/-0.000 χ^2/NDF: 8320307.4/48

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: -0.052+/-0.033 χ^2/NDF:11.4/7

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.029+/-0.031 χ^2/NDF:4.7/6

Left: -0.009+/-0.022 χ^2/NDF: 19.4/14

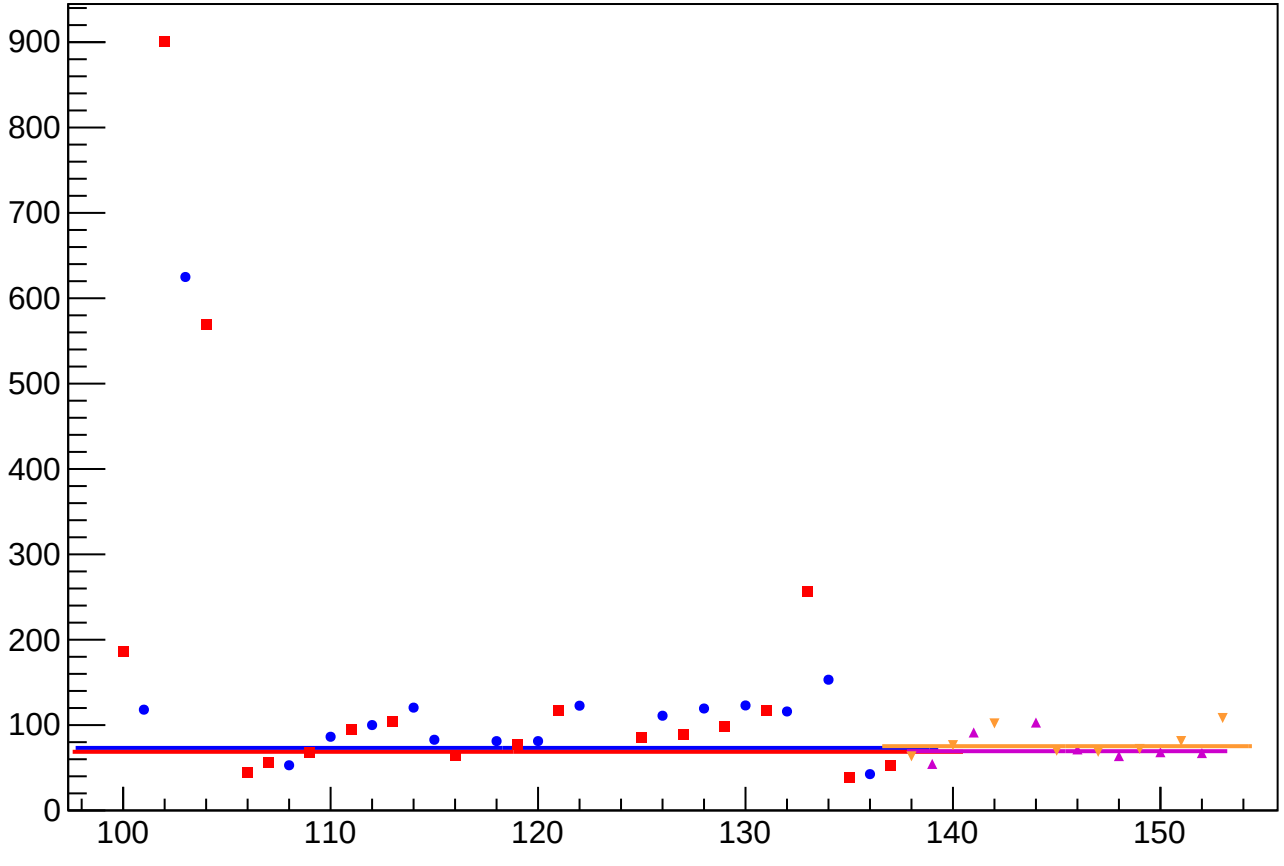
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.013+/-0.022 χ^2/NDF:15.6/22

Out: -0.051+/-0.023 χ^2/NDF:24.4/25

All: -0.018+/-0.016 χ^2/NDF: 44.1/48

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: 75.290+/-0.023 χ^2/NDF:280535.9/7

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 69.420+/-0.022 χ^2/NDF:385080.6/6

Left: 72.162+/-0.016 χ^2/NDF: 699917.4/14

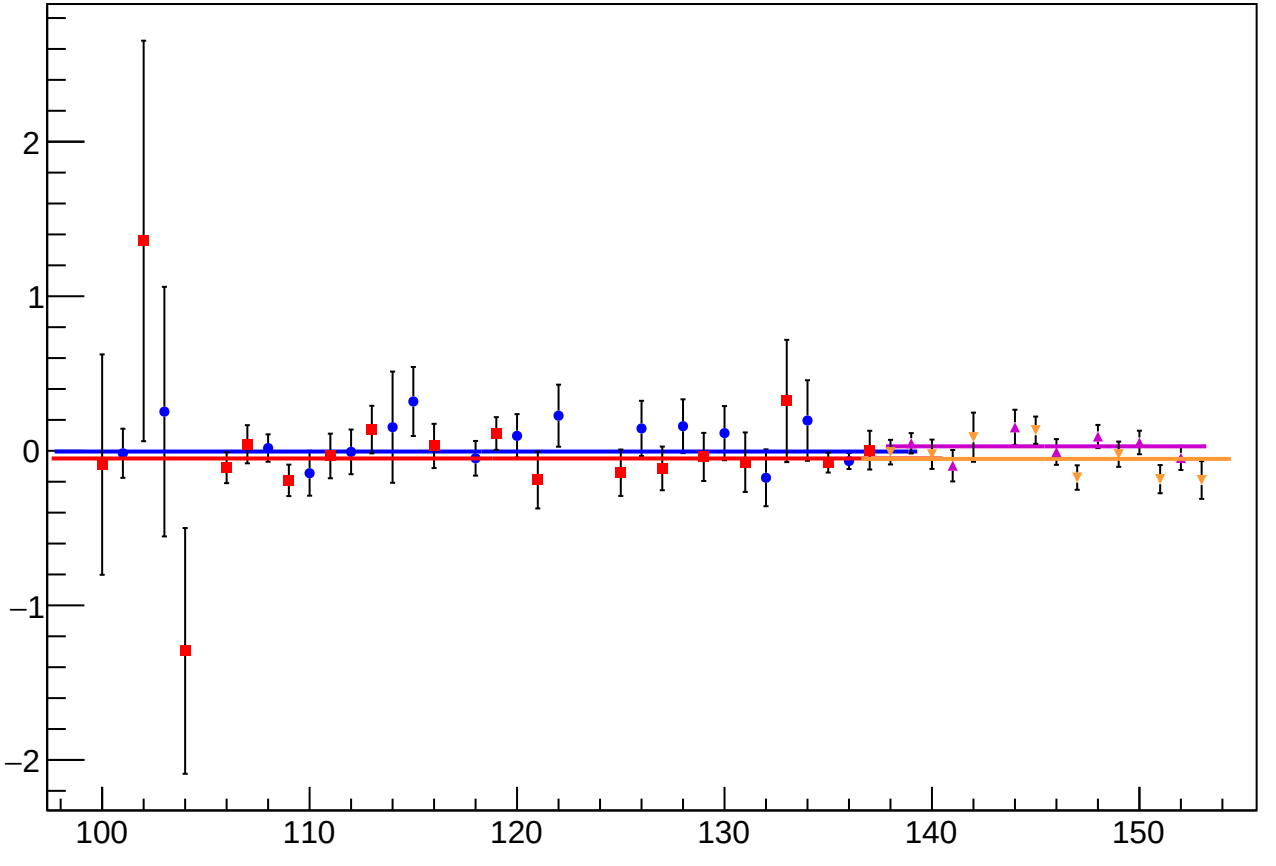
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 71.242+/-0.016 χ^2/NDF:3252297.3/22

Out: 71.893+/-0.016 χ^2/NDF:3655021.0/25

All: 71.560+/-0.011 χ^2/NDF: 6908155.7/48

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: -0.052+/-0.033 χ^2/NDF:11.4/7

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.029+/-0.031 χ^2/NDF:4.7/6

Left: -0.009+/-0.022 χ^2/NDF: 19.4/14

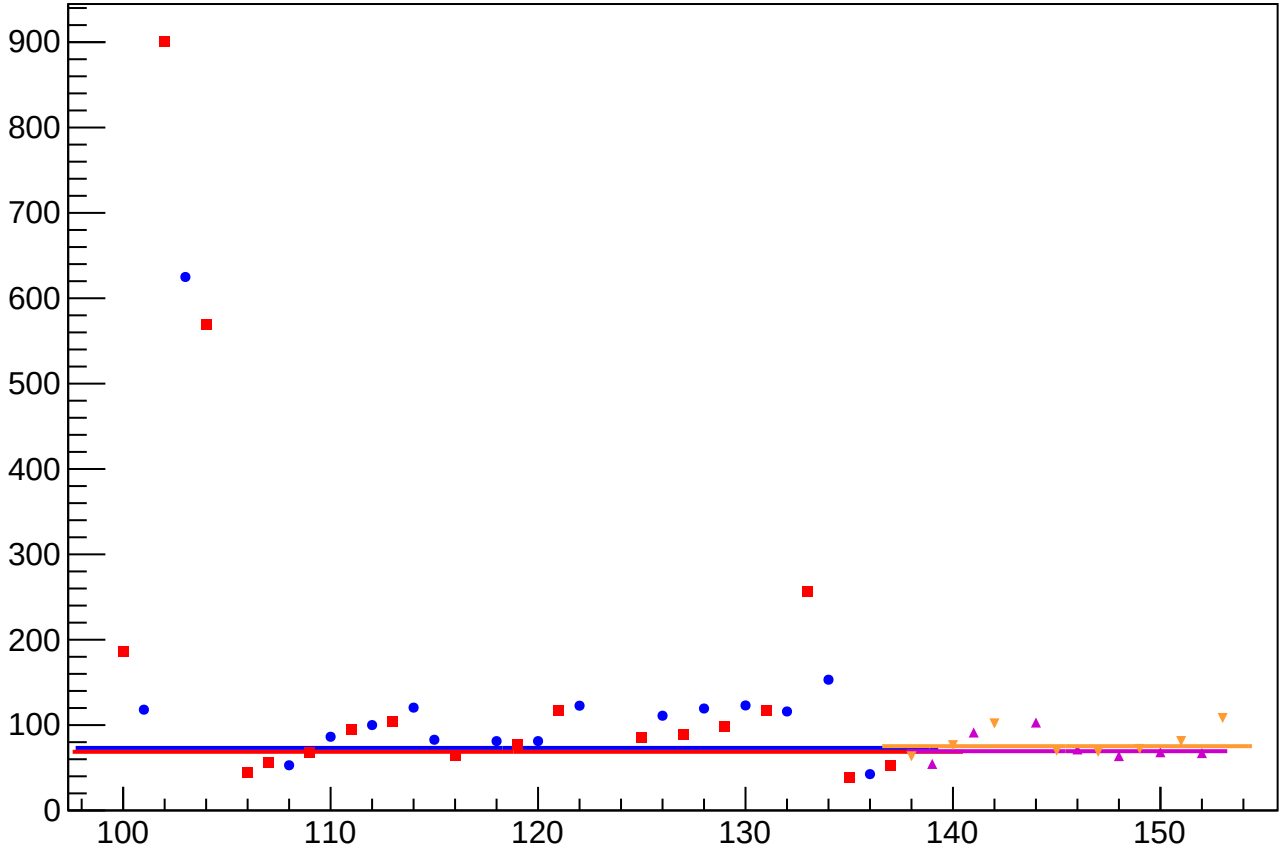
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.013+/-0.022 χ^2/NDF:15.6/22

Out: -0.051+/-0.023 χ^2/NDF:24.4/25

All: -0.018+/-0.016 χ^2/NDF: 44.1/48

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: 75.290+/-0.023 χ^2/NDF:280535.9/7

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 69.420+/-0.022 χ^2/NDF:385080.6/6

Left: 72.162+/-0.016 χ^2/NDF: 699917.4/14

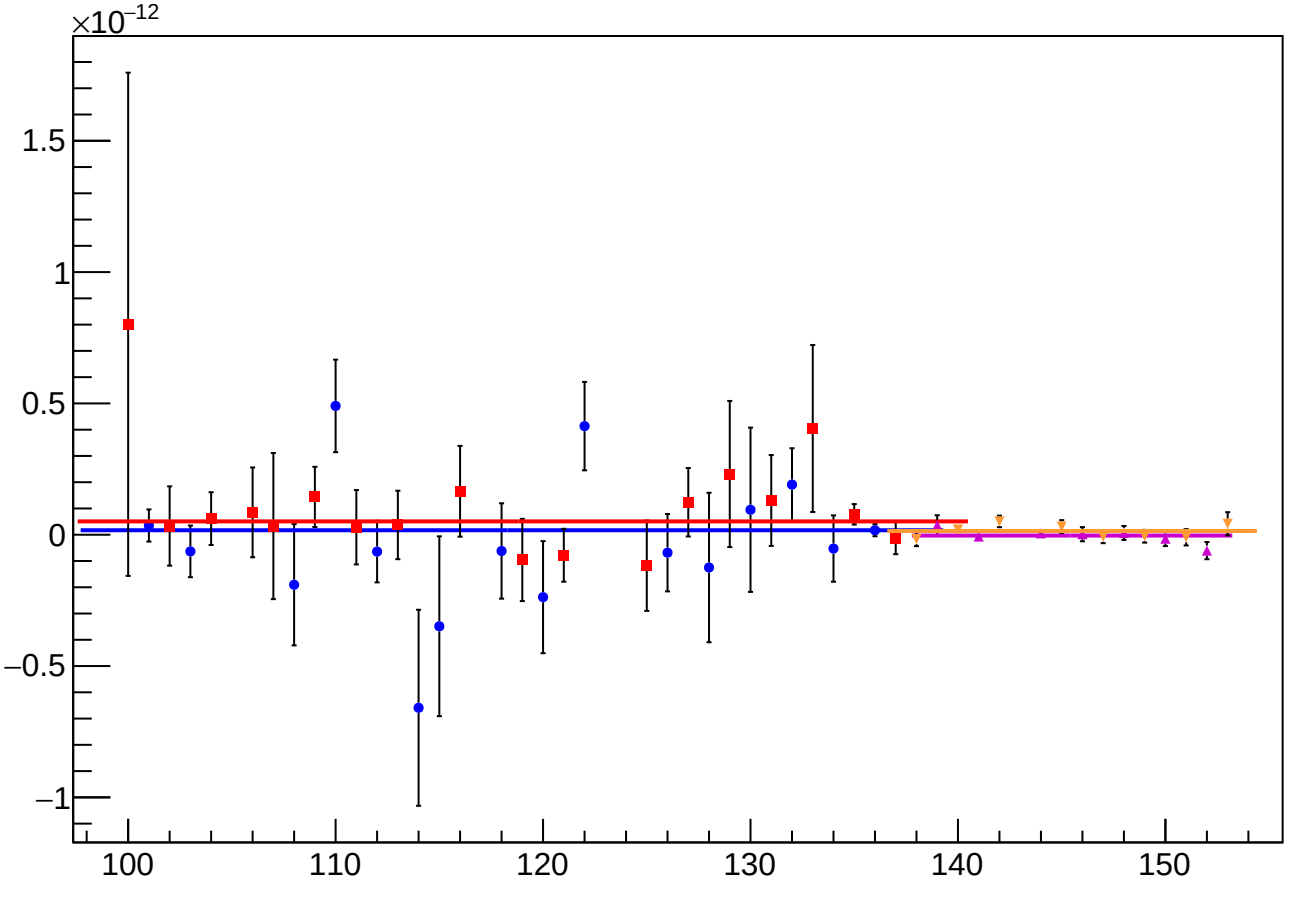
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 71.242+/-0.016 χ^2/NDF:3252297.3/22

Out: 71.893+/-0.016 χ^2/NDF:3655021.0/25

All: 71.560+/-0.011 χ^2/NDF: 6908155.7/48

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:7.1/7

Right Out: 0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: -0.000+/-0.000 χ^2/NDF:4.8/6

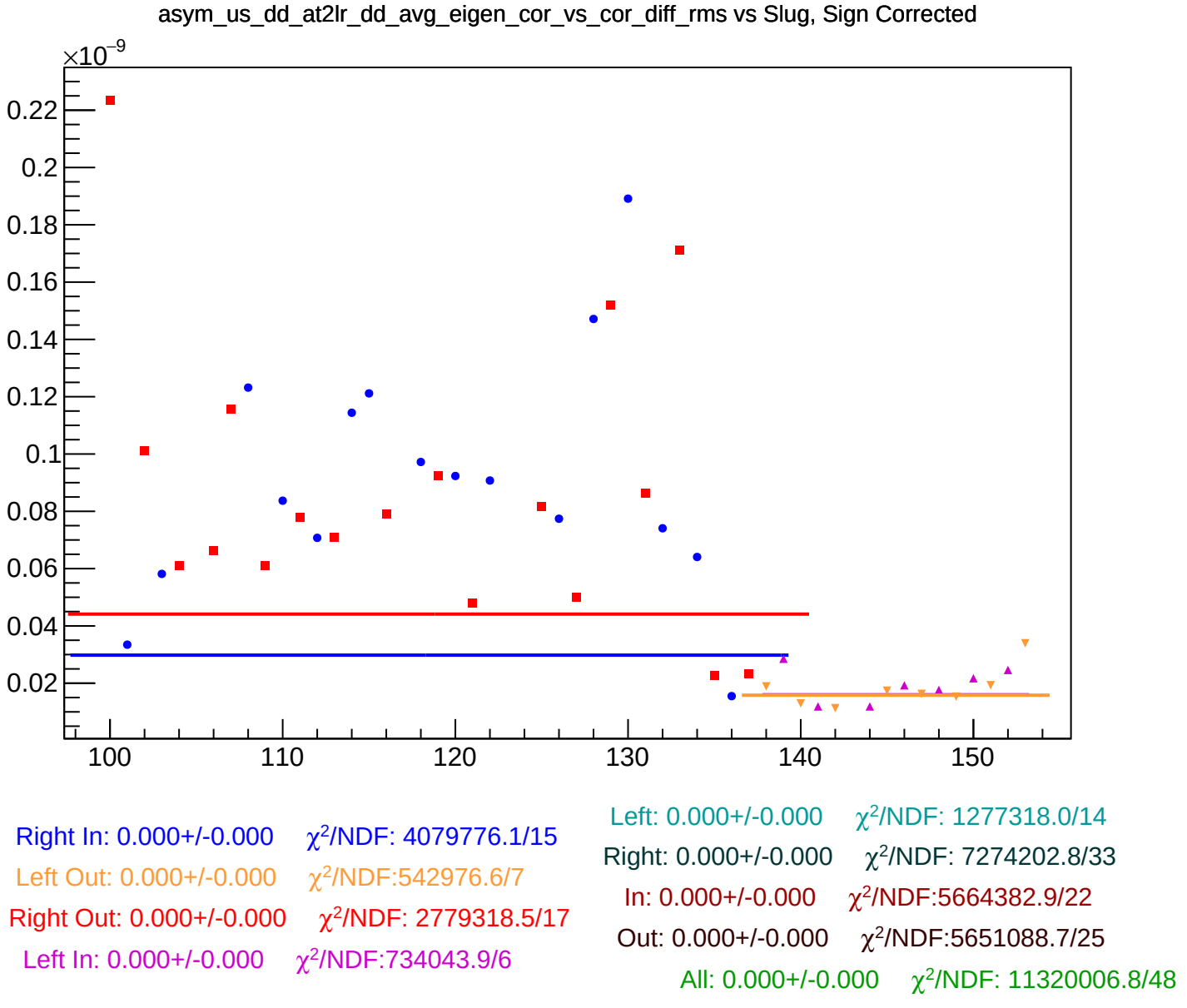
Left: 0.000+/-0.000 χ^2/NDF: 14.0/14

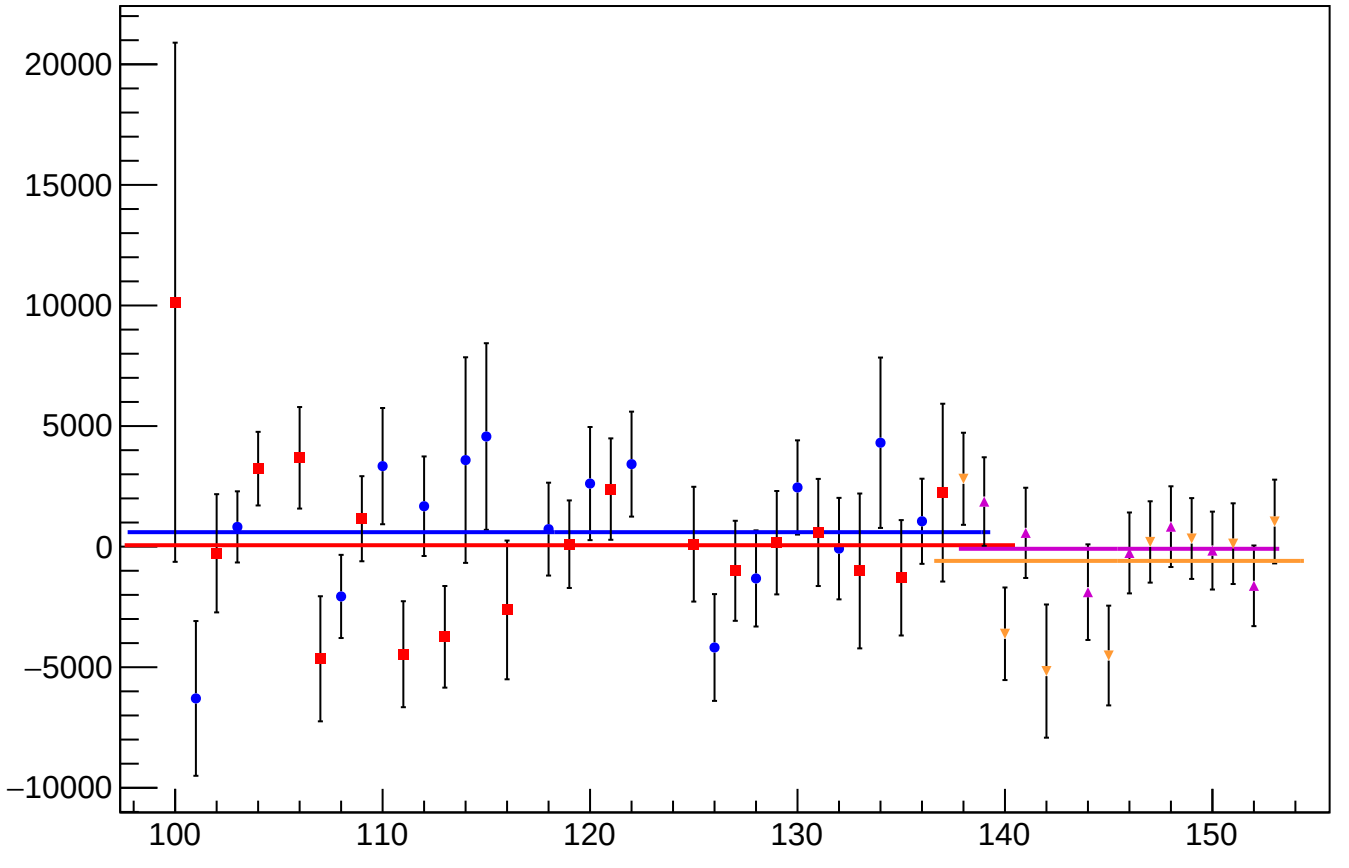
Right: 0.000+/-0.000 χ^2/NDF: 33.6/33

In: 0.000+/-0.000 χ^2/NDF:29.1/22

Out: 0.000+/-0.000 χ^2/NDF:18.1/25

All: 0.000+/-0.000 χ^2/NDF: 49.8/48


asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 4079776.1/15
Left Out: 0.000+/-0.000 χ²/NDF:542976.6/7
Right Out: 0.000+/-0.000 χ²/NDF: 2779318.5/17
Left In: 0.000+/-0.000 χ²/NDF:734043.9/6
Left: 0.000+/-0.000 χ²/NDF: 1277318.0/14
Right: 0.000+/-0.000 χ²/NDF: 7274202.8/33
In: 0.000+/-0.000 χ²/NDF:5664382.9/22
Out: 0.000+/-0.000 χ²/NDF:5651088.7/25
All: 0.000+/-0.000 χ²/NDF: 11320006.8/48



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: -590.835+/-658.356 χ^2/NDF:13.6/7

Right Out: 59.091+/-530.206 χ^2/NDF: 22.5/17

Left In: -89.319+/-660.916 χ^2/NDF:3.2/6

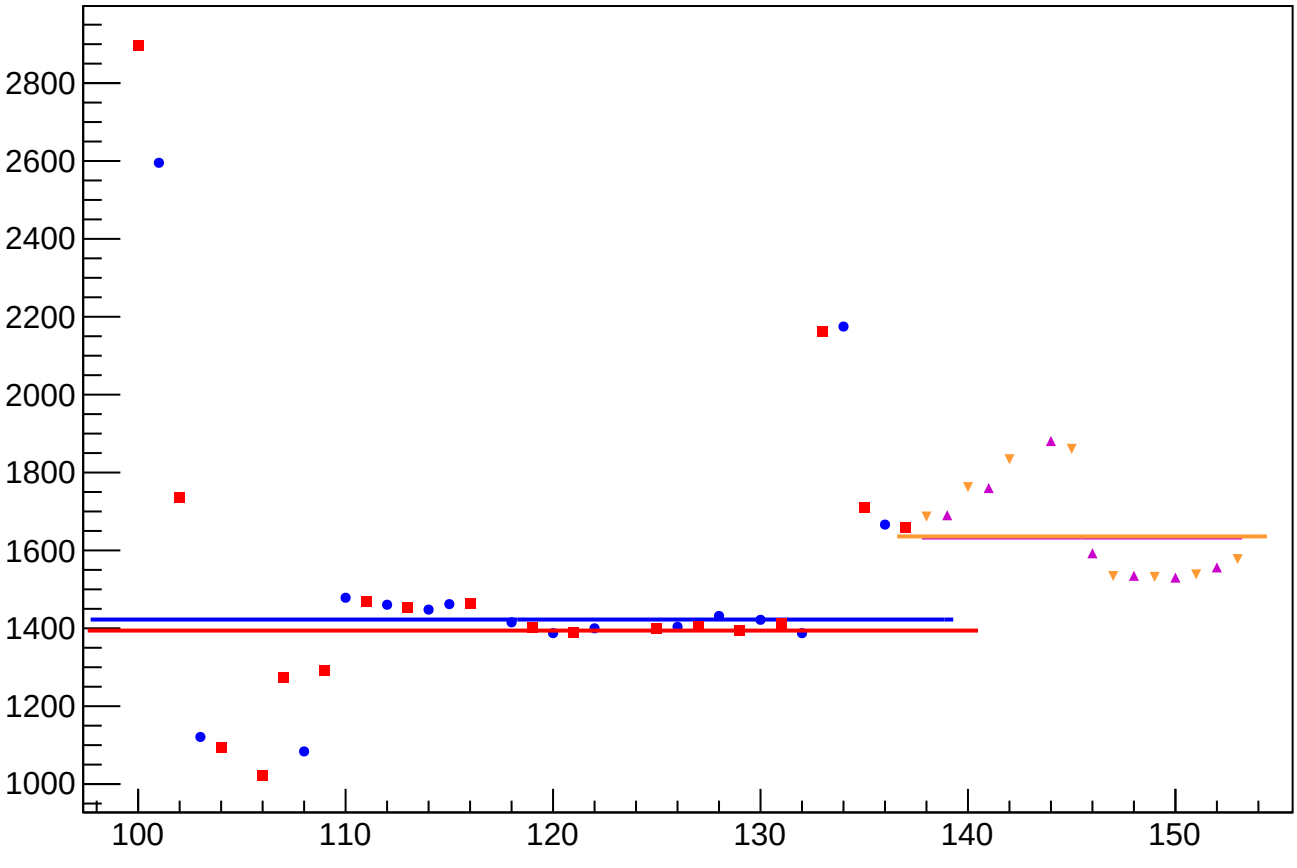
Left: -341.050+/-466.431 χ^2/NDF: 17.1/14

Right: 324.641+/-378.346 χ^2/NDF: 43.4/33

In: 324.104+/-418.194 χ^2/NDF:24.2/22

Out: -196.602+/-412.942 χ^2/NDF:36.7/25

All: 60.461+/-293.833 χ^2/NDF: 61.7/48



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1635.902+/-0.466 χ^2/NDF:68070.1/7

Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1633.116+/-0.467 χ^2/NDF:62788.7/6

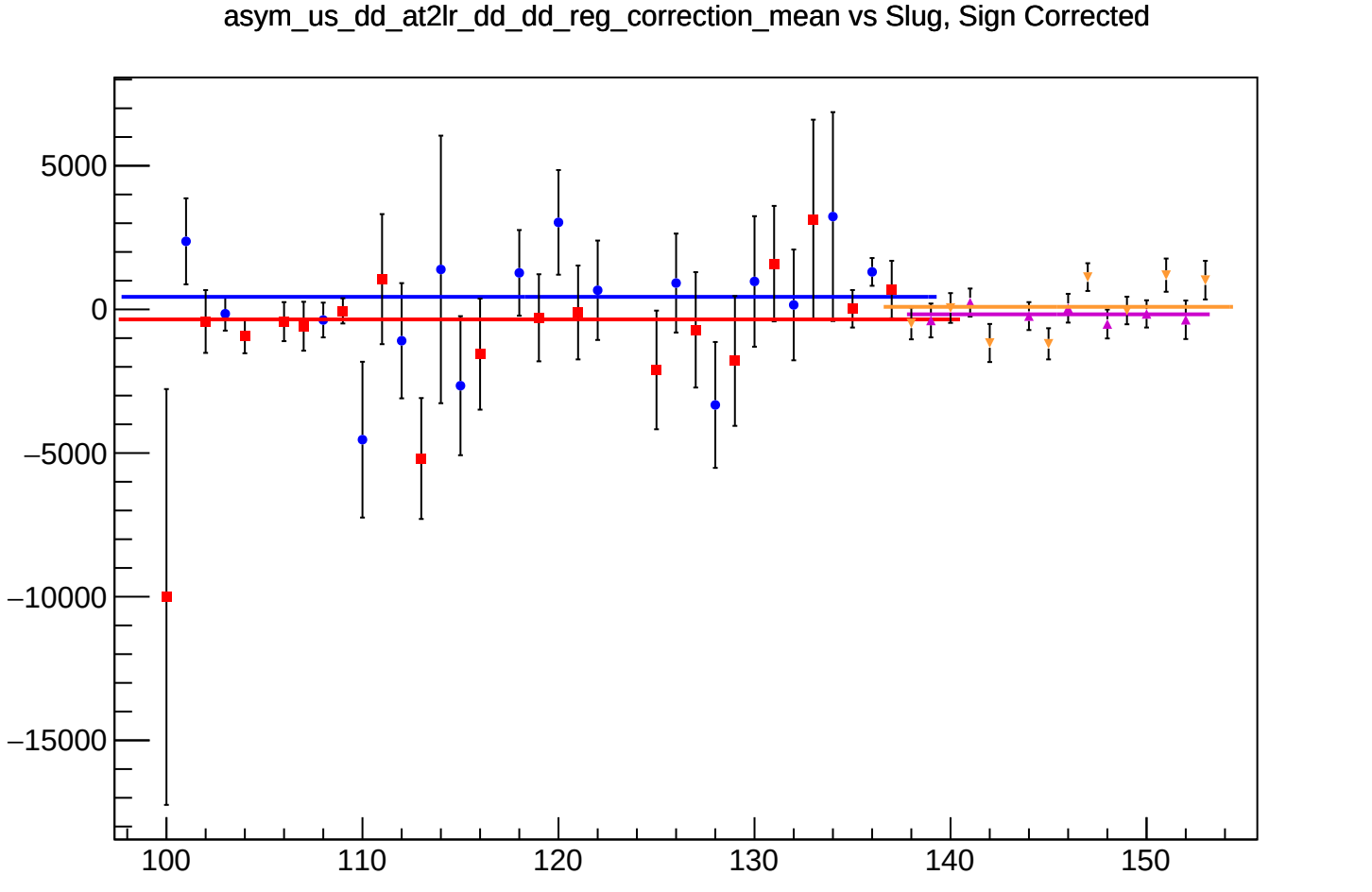
Left: 1634.514+/-0.330 χ^2/NDF: 130876.7/14

Right: 1408.082+/-0.268 χ^2/NDF: 956730.5/33

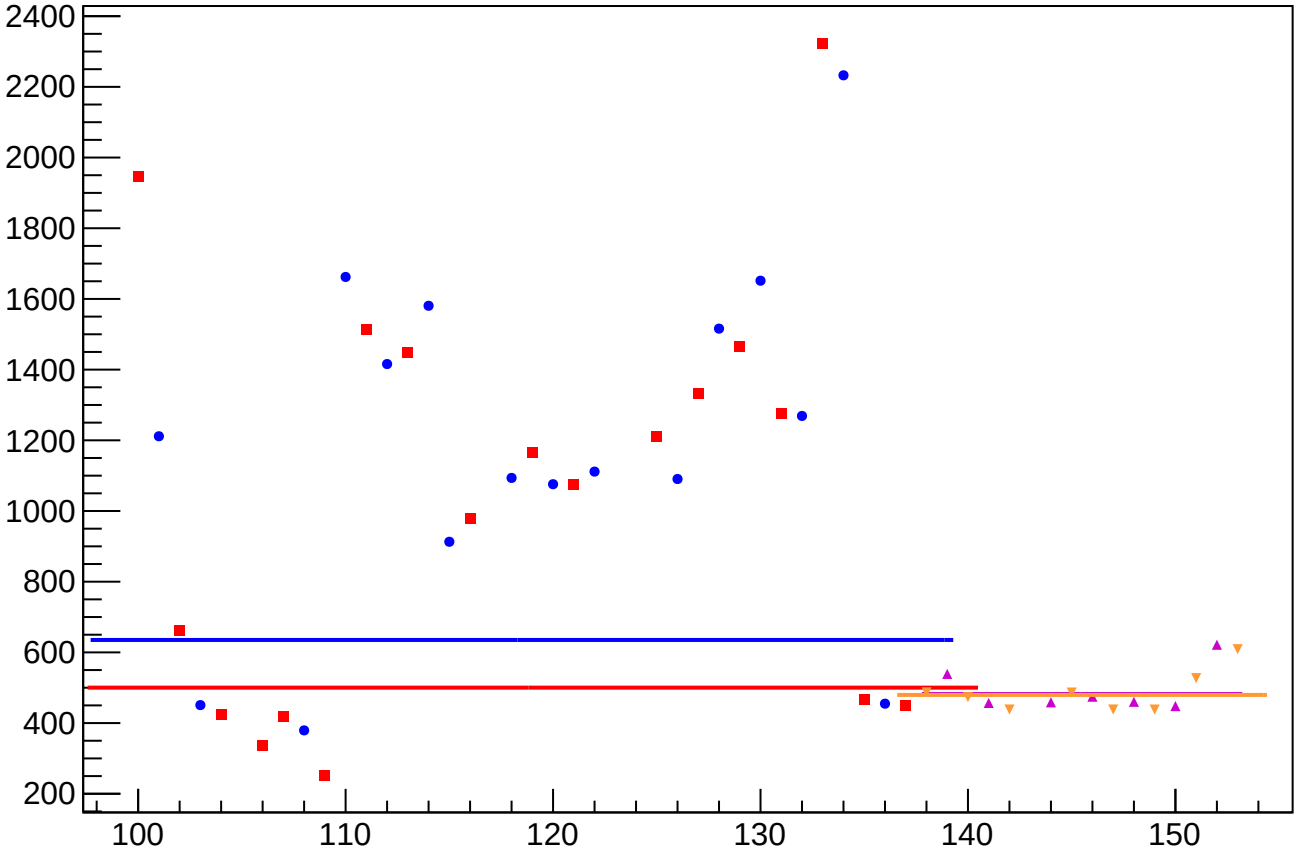
In: 1506.833+/-0.296 χ^2/NDF:744818.3/22

Out: 1489.272+/-0.292 χ^2/NDF:625291.1/25

All: 1497.942+/-0.208 χ^2/NDF: 1371895.0/48


asym_us_dd_at2lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
Right In: 436.509+/-275.917 χ²/NDF: 19.3/15
Left Out: 89.176+/-194.363 χ²/NDF:20.5/7
Right Out: -348.567+/-233.745 χ²/NDF: 13.9/17
Left In: -171.167+/-196.326 χ²/NDF:1.6/6
Left: -39.687+/-138.124 χ²/NDF: 23.0/14
Right: -20.548+/-178.349 χ²/NDF: 38.0/33
In: 33.084+/-159.964 χ²/NDF:24.1/22
Out: -89.765+/-149.447 χ²/NDF:36.5/25
All: -32.512+/-109.204 χ²/NDF: 61.0/48

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: 479.656+/-0.137 χ^2/NDF:125796.3/7

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

Left In: 482.166+/-0.139 χ^2/NDF:129912.2/6

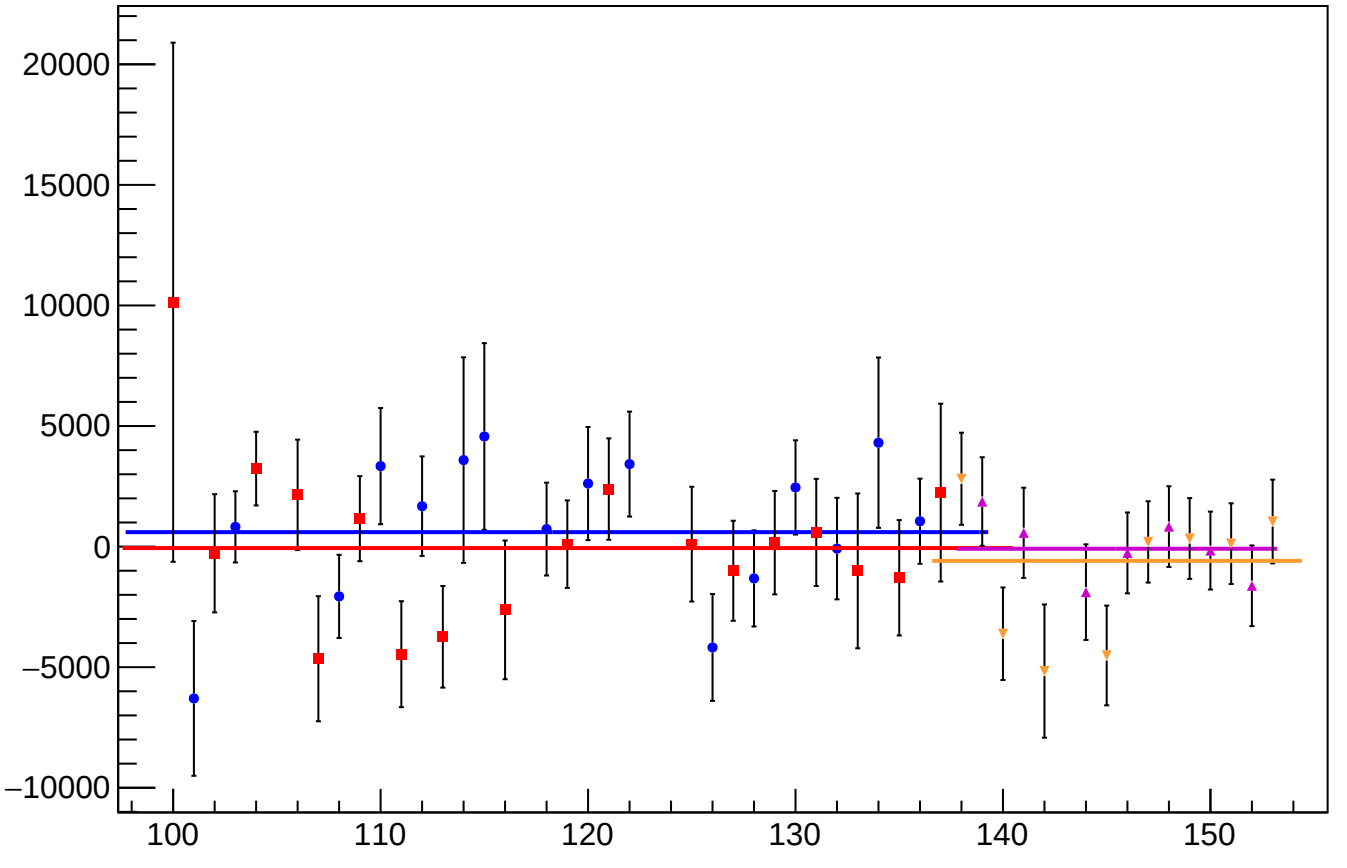
Left: 480.898+/-0.098 χ^2/NDF: 255873.5/14

Right: 556.596+/-0.126 χ^2/NDF: 8340019.1/33

In: 533.582+/-0.113 χ^2/NDF:4290600.3/22

Out: 488.067+/-0.106 χ^2/NDF:4444051.4/25

All: 509.279+/-0.077 χ^2/NDF: 8821106.7/48



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -590.917+/-658.356 χ^2/NDF:13.6/7

Right Out: -60.361+/-532.826 χ^2/NDF: 20.4/17

Left In: -89.380+/-660.916 χ^2/NDF:3.2/6

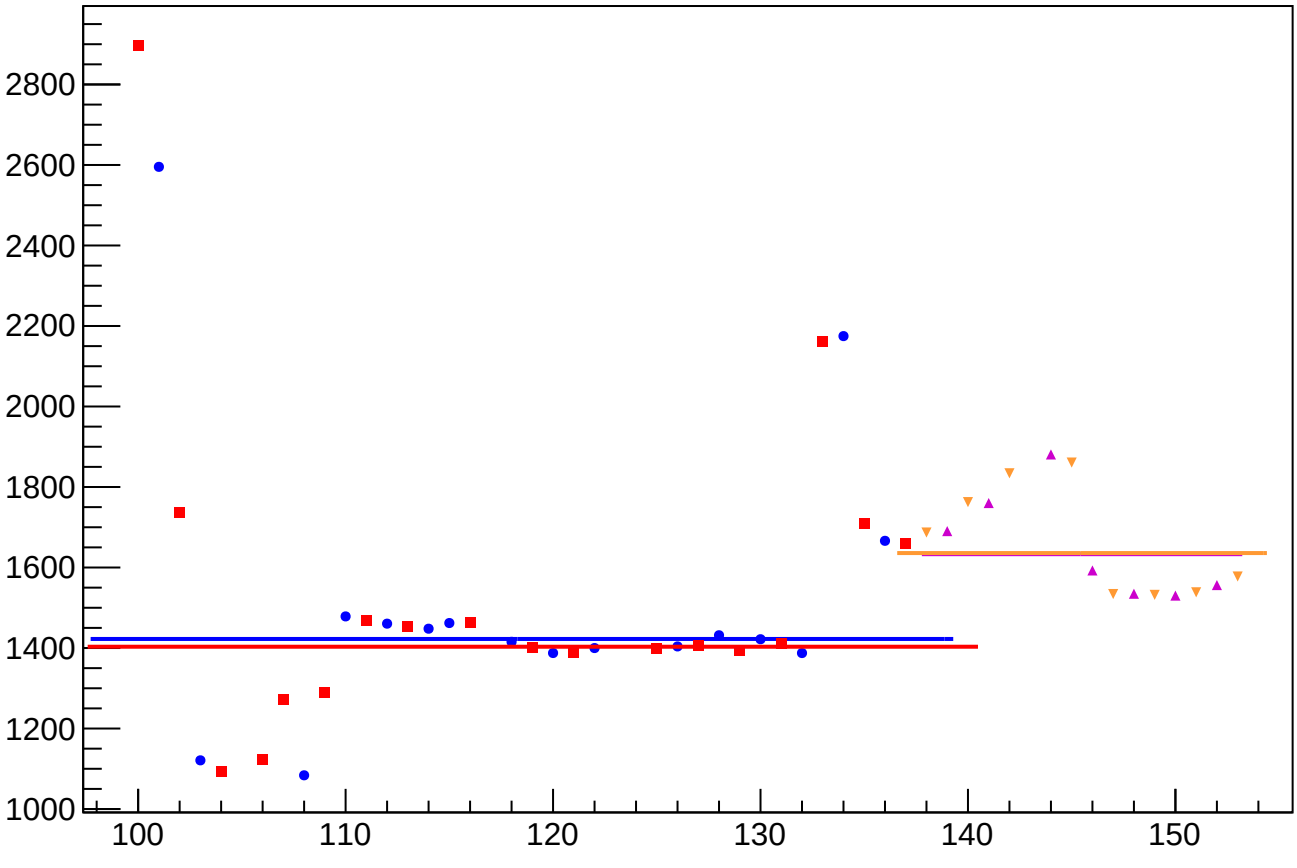
Left: -341.121+/-466.431 χ^2/NDF: 17.1/14

Right: 265.381+/-379.294 χ^2/NDF: 41.4/33

In: 324.004+/-418.194 χ^2/NDF:24.2/22

Out: -270.341+/-414.176 χ^2/NDF:34.3/25

All: 23.962+/-294.277 χ^2/NDF: 59.6/48



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1635.902+/-0.466 χ^2/NDF:68070.1/7

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1633.116+/-0.467 χ^2/NDF:62788.7/6

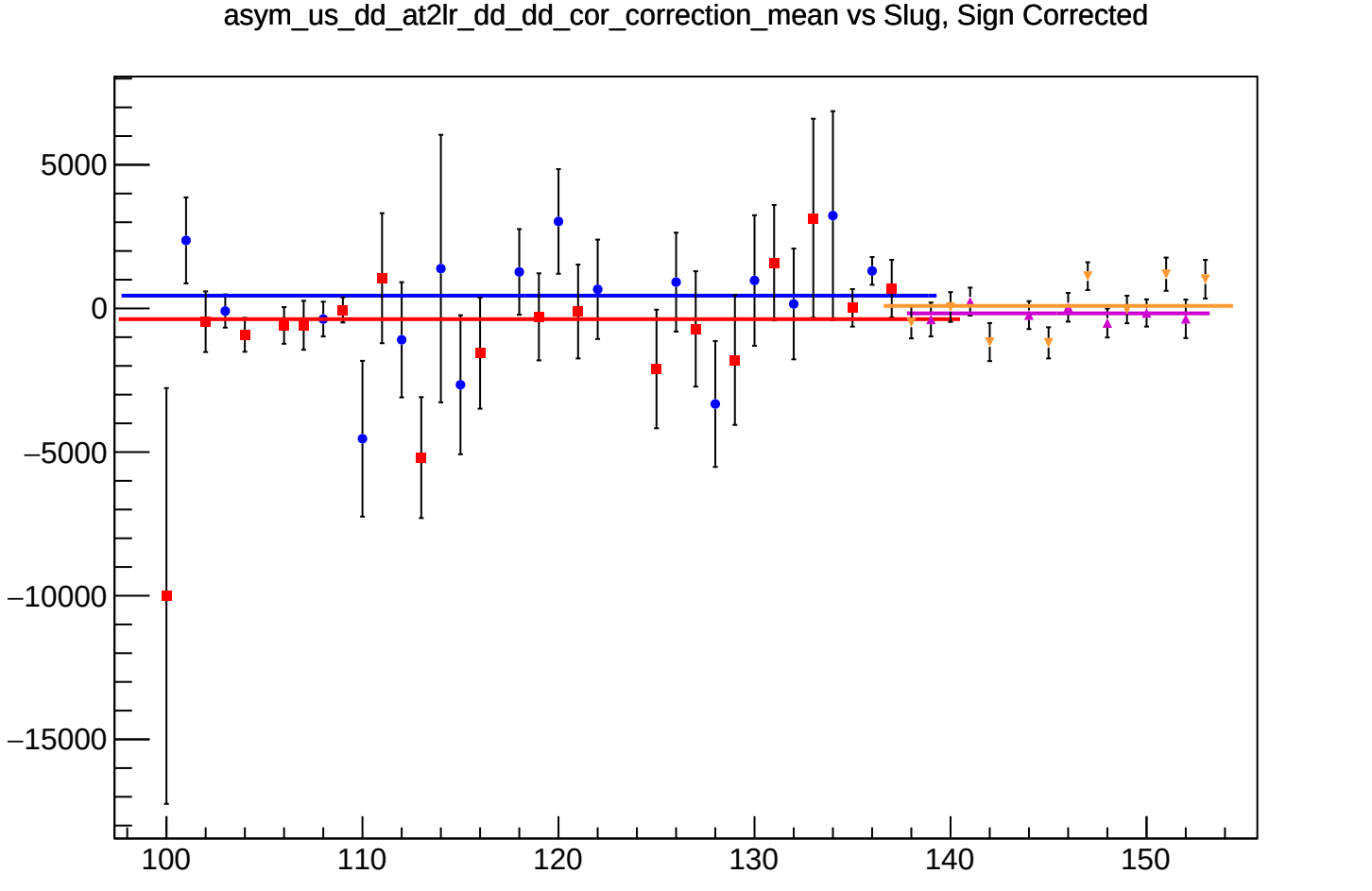
Left: 1634.514+/-0.330 χ^2/NDF: 130876.7/14

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1506.833+/-0.296 χ^2/NDF:744818.6/22

Out: 1495.309+/-0.293 χ^2/NDF:578134.3/25

All: 1501.016+/-0.208 χ^2/NDF: 1323719.6/48



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 89.179+/-194.367 χ^2/NDF:20.5/7

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -171.272+/-196.323 χ^2/NDF:1.6/6

Left: -39.743+/-138.124 χ^2/NDF: 23.0/14

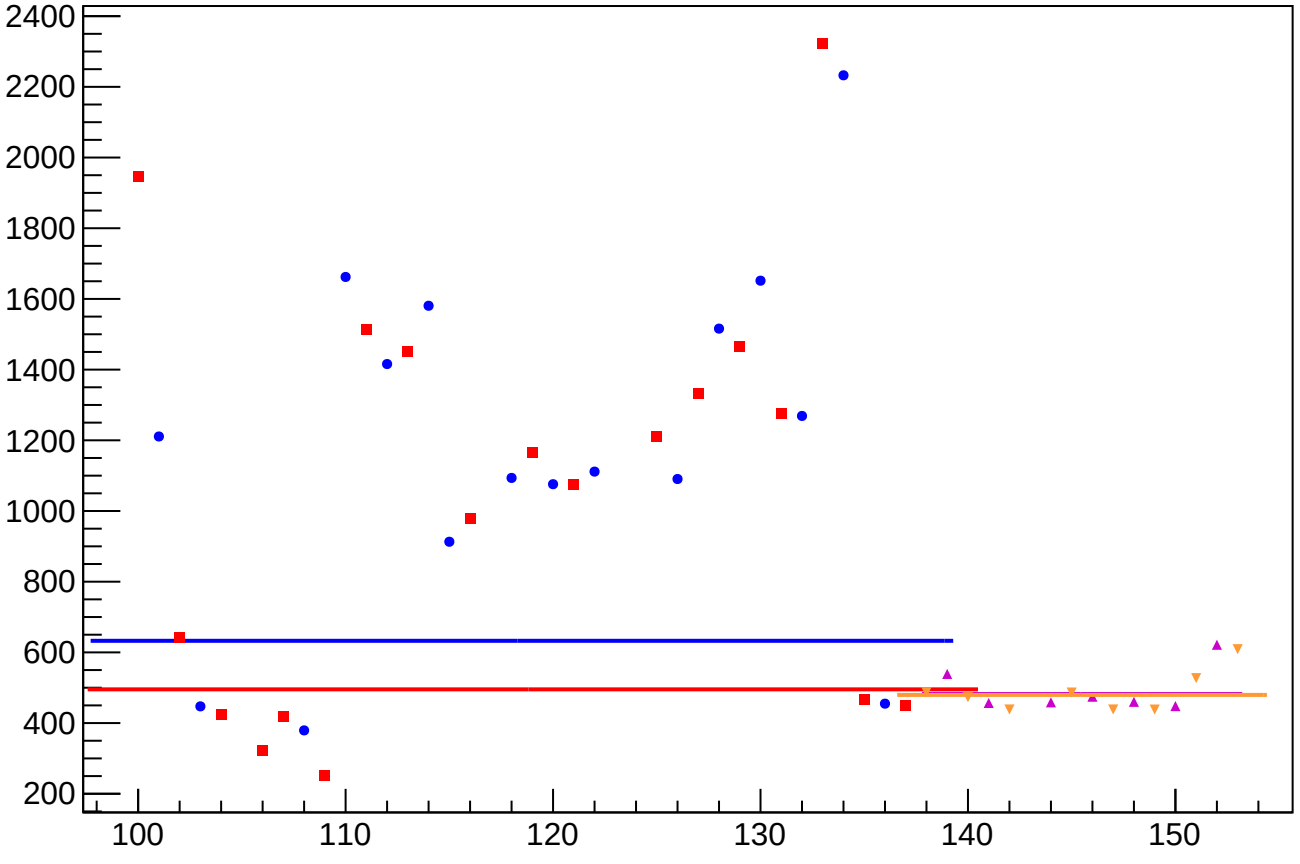
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: 37.084+/-159.732 χ^2/NDF:24.1/22

Out: -101.866+/-148.818 χ^2/NDF:36.9/25

All: -37.300+/-108.884 χ^2/NDF: 61.4/48

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 479.666+/-0.137 χ^2/NDF:125752.1/7

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 482.158+/-0.139 χ^2/NDF:129907.1/6

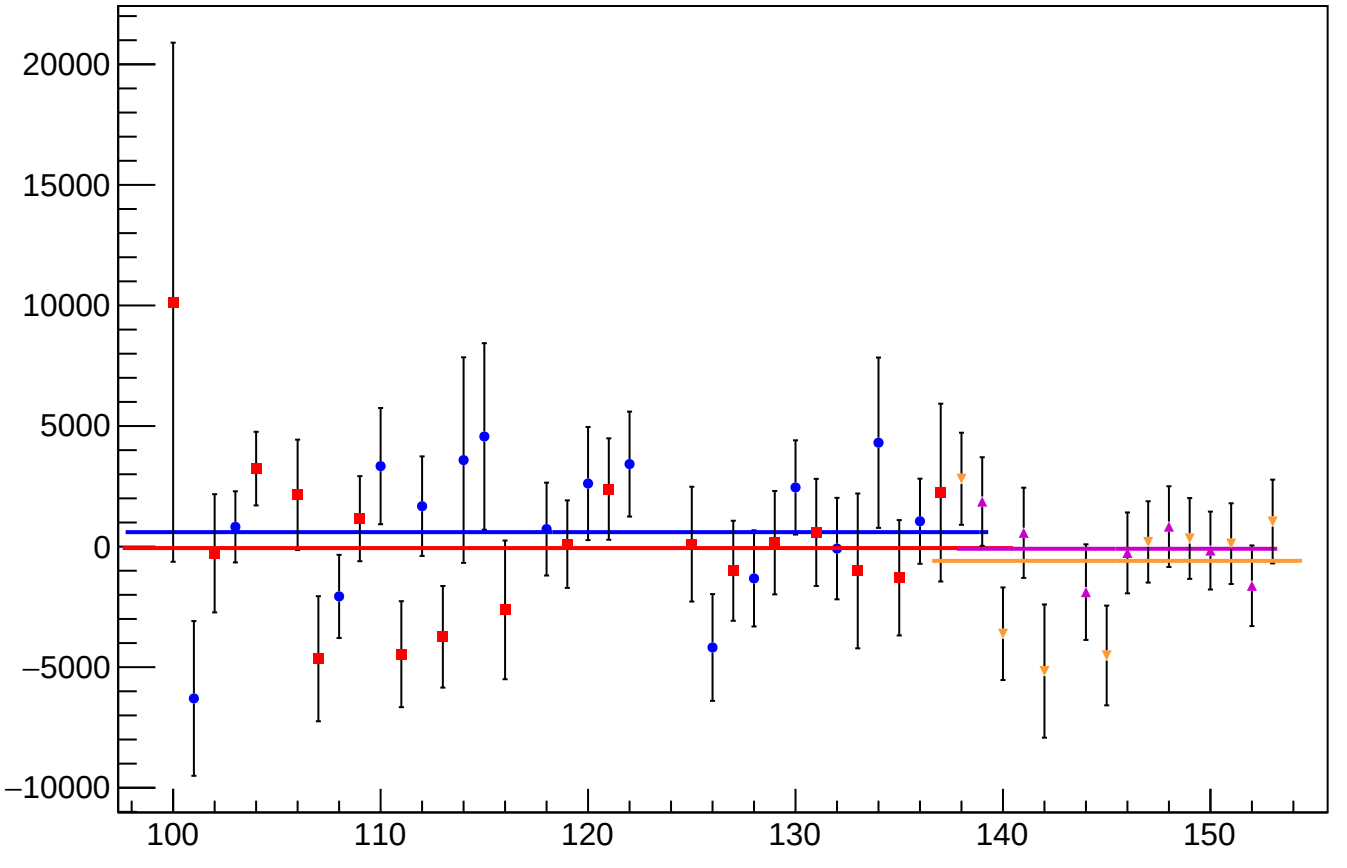
Left: 480.900+/-0.098 χ^2/NDF: 255822.0/14

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 533.063+/-0.113 χ^2/NDF:4295428.6/22

Out: 486.168+/-0.105 χ^2/NDF:4468645.9/25

All: 507.959+/-0.077 χ^2/NDF: 8856357.6/48



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: -590.917+/-658.356 χ^2/NDF:13.6/7

Right Out: -60.361+/-532.826 χ^2/NDF: 20.4/17

Left In: -89.380+/-660.916 χ^2/NDF:3.2/6

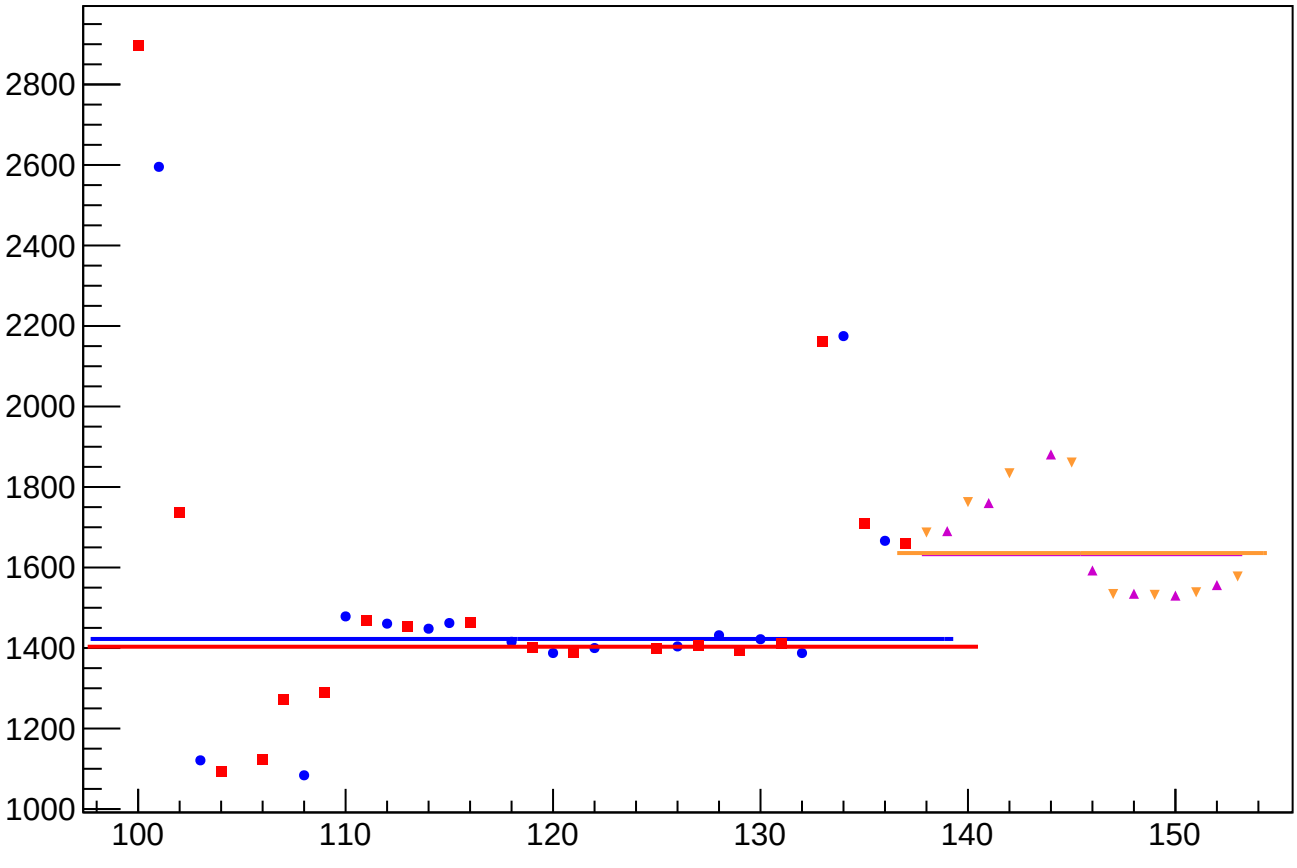
Left: -341.121+/-466.431 χ^2/NDF: 17.1/14

Right: 265.381+/-379.294 χ^2/NDF: 41.4/33

In: 324.004+/-418.194 χ^2/NDF:24.2/22

Out: -270.341+/-414.176 χ^2/NDF:34.3/25

All: 23.962+/-294.277 χ^2/NDF: 59.6/48



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1635.902+/-0.466 χ^2/NDF:68070.1/7

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1633.116+/-0.467 χ^2/NDF:62788.7/6

Left: 1634.514+/-0.330 χ^2/NDF: 130876.7/14

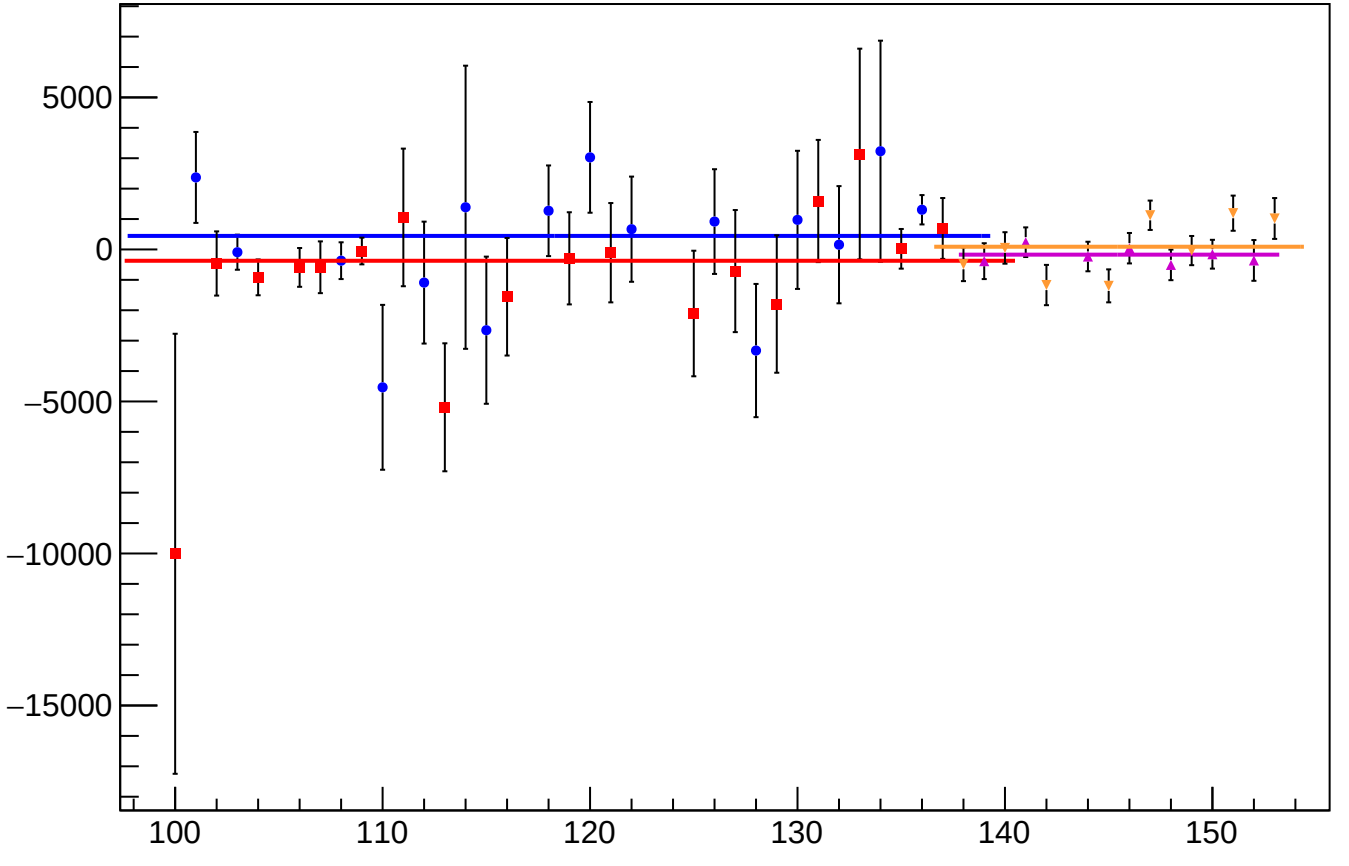
Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1506.833+/-0.296 χ^2/NDF:744818.6/22

Out: 1495.309+/-0.293 χ^2/NDF:578134.3/25

All: 1501.016+/-0.208 χ^2/NDF: 1323719.6/48

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 89.179+/-194.367 χ^2/NDF:20.5/7

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -171.272+/-196.323 χ^2/NDF:1.6/6

Left: -39.743+/-138.124 χ^2/NDF: 23.0/14

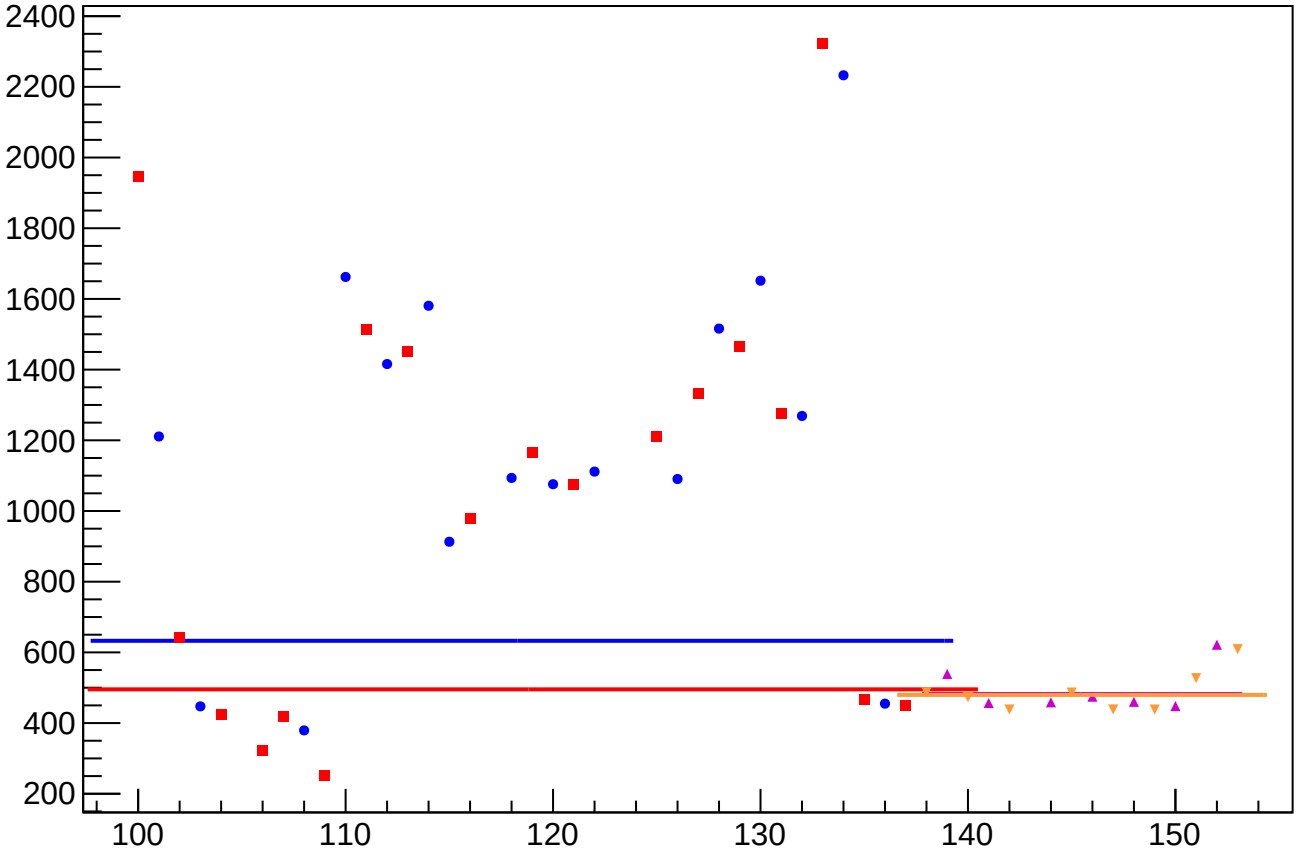
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: 37.084+/-159.732 χ^2/NDF:24.1/22

Out: -101.866+/-148.818 χ^2/NDF:36.9/25

All: -37.300+/-108.884 χ^2/NDF: 61.4/48

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: 479.666+/-0.137 χ^2/NDF:125752.1/7

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 482.158+/-0.139 χ^2/NDF:129907.1/6

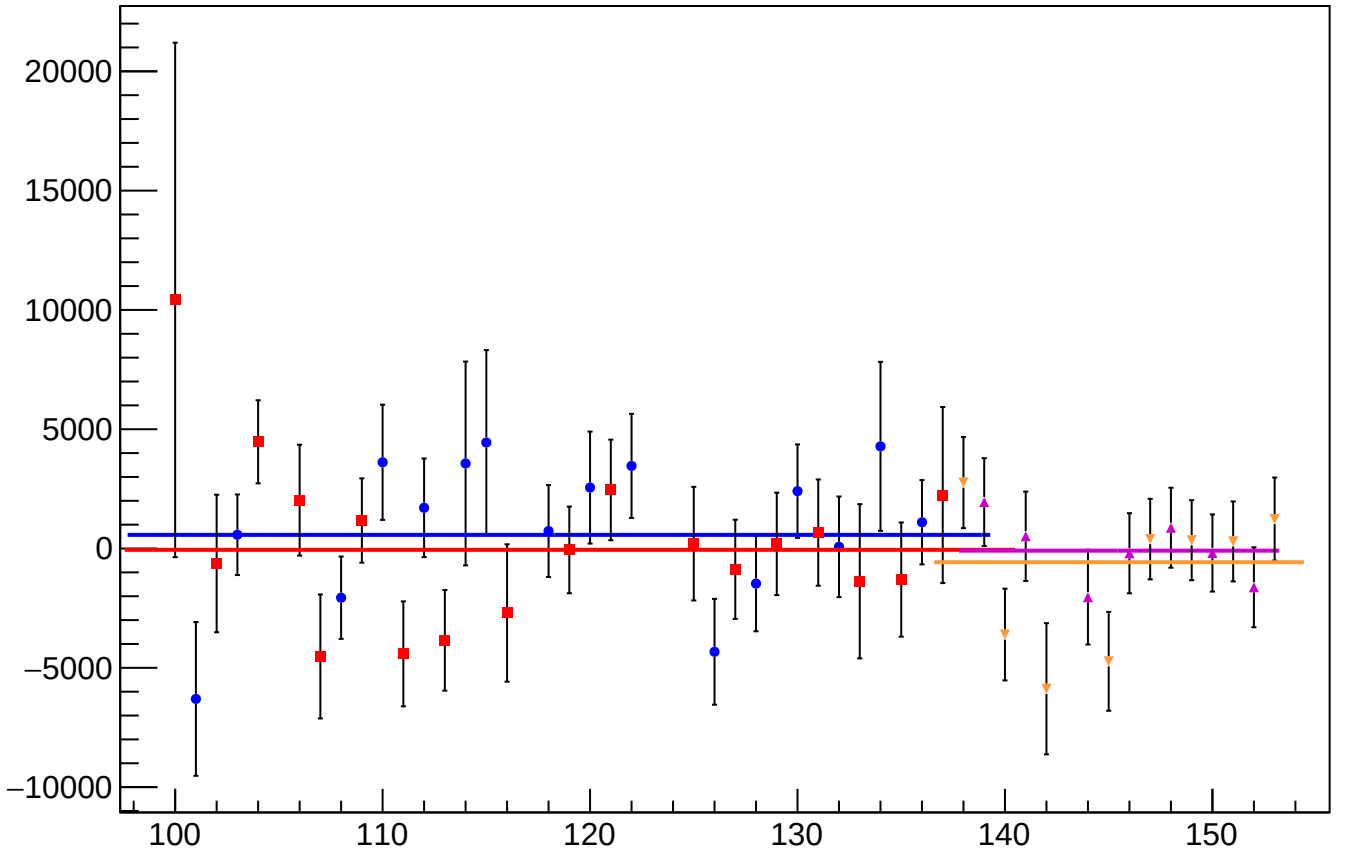
Left: 480.900+/-0.098 χ^2/NDF: 255822.0/14

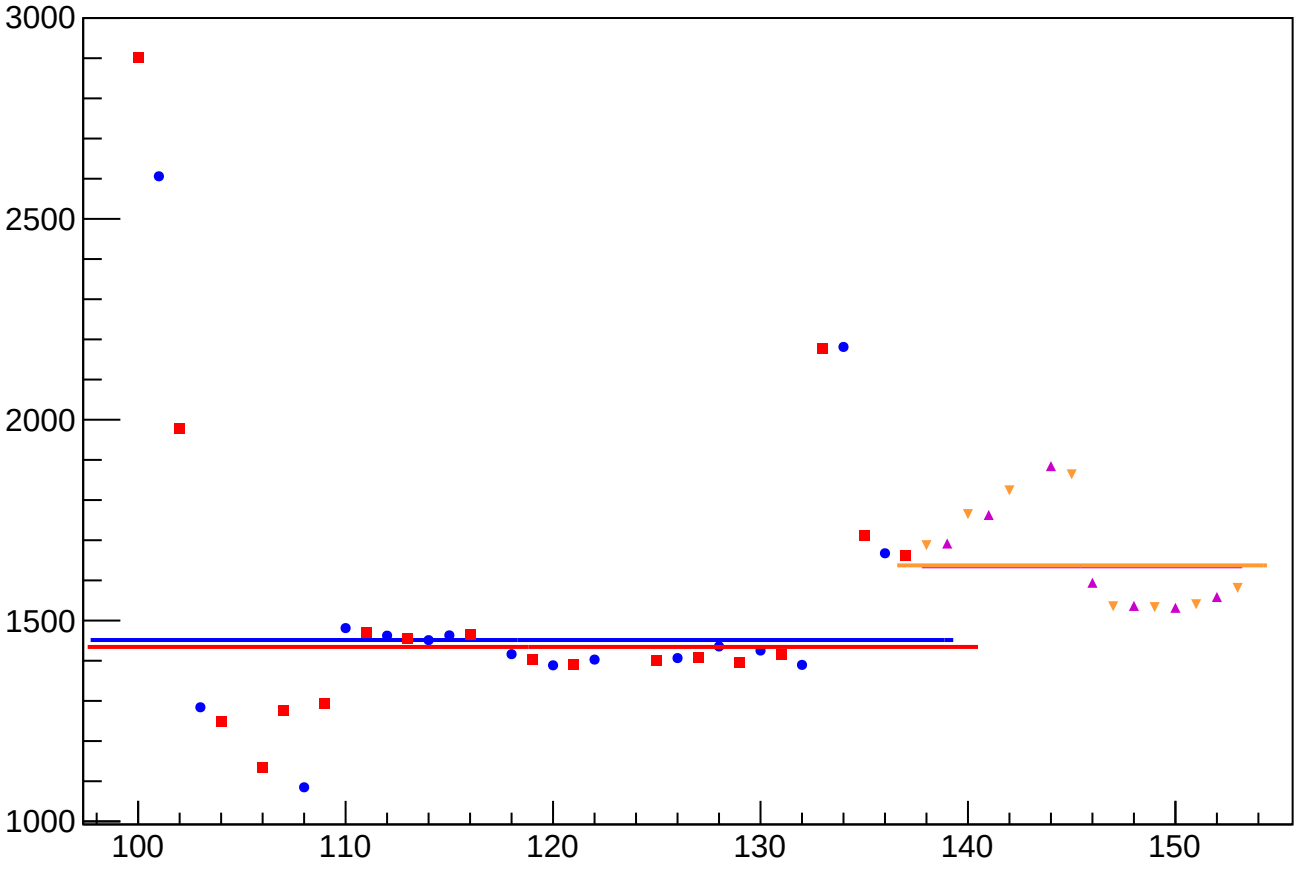
Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 533.063+/-0.113 χ^2/NDF:4295428.6/22

Out: 486.168+/-0.105 χ^2/NDF:4468645.9/25

All: 507.959+/-0.077 χ^2/NDF: 8856357.6/48


dit_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: 572.289+/-549.638 χ²/NDF: 20.8/15
Left Out: -573.686+/-658.977 χ²/NDF:15.3/7
Right Out: -53.754+/-545.353 χ²/NDF: 22.5/17
Left In: -89.676+/-661.738 χ²/NDF:3.5/6
Left: -332.692+/-466.940 χ²/NDF: 19.0/14
Right: 256.817+/-387.129 χ²/NDF: 43.9/33
In: 302.044+/-422.812 χ²/NDF:24.8/22
Out: -265.099+/-420.139 χ²/NDF:38.1/25
All: 16.674+/-298.024 χ²/NDF: 63.9/48



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1637.369+/-0.466 χ^2/NDF:67063.1/7

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1635.103+/-0.468 χ^2/NDF:63184.6/6

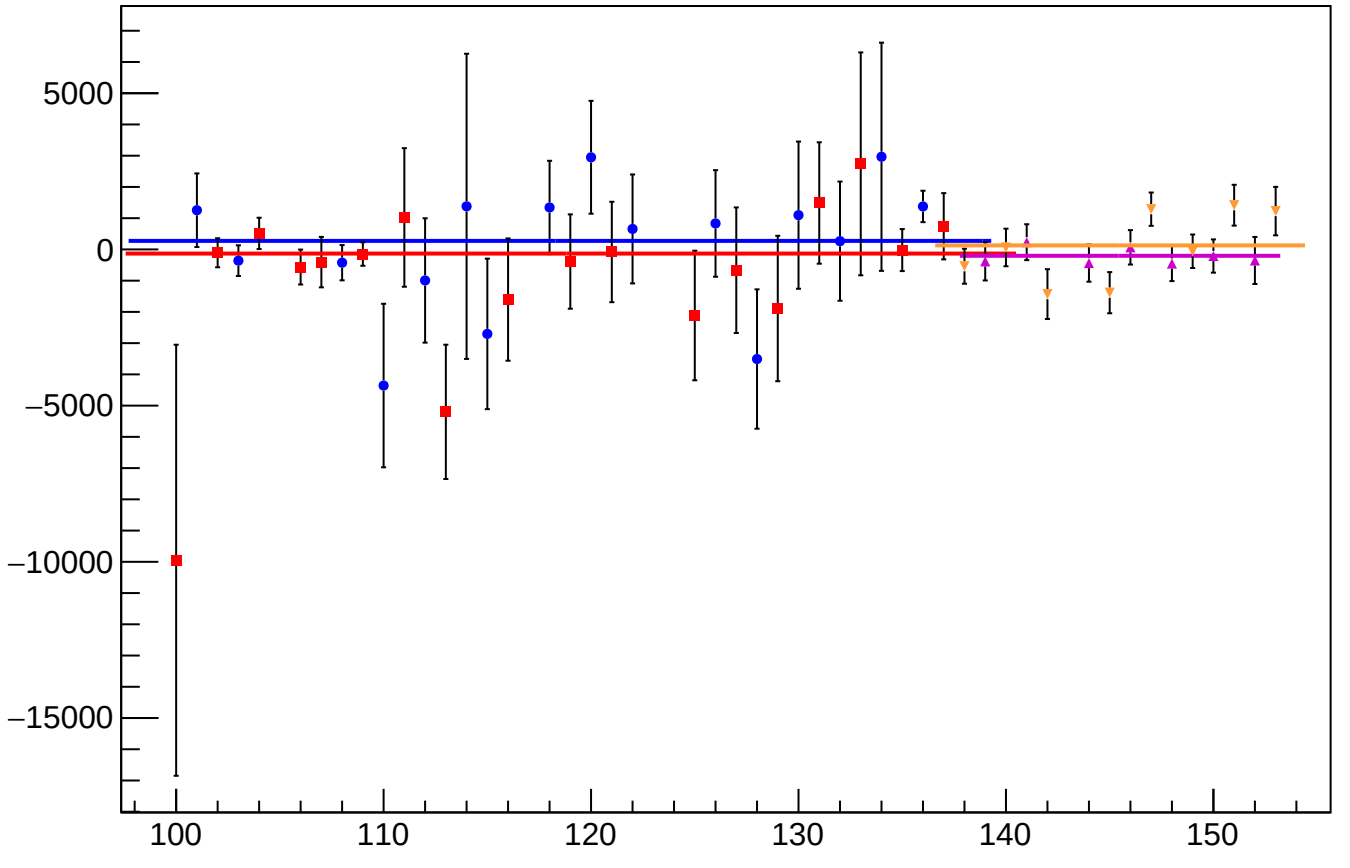
Left: 1636.241+/-0.330 χ^2/NDF: 130259.5/14

Right: 1442.883+/-0.274 χ^2/NDF: 817420.7/33

In: 1526.502+/-0.299 χ^2/NDF:642051.5/22

Out: 1516.857+/-0.297 χ^2/NDF:508351.5/25

All: 1521.649+/-0.211 χ^2/NDF: 1150926.7/48



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: 129.249+/-219.085 χ^2/NDF:21.3/7

Right Out: -132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: -204.092+/-222.074 χ^2/NDF:1.3/6

Left: -35.163+/-155.963 χ^2/NDF: 23.7/14

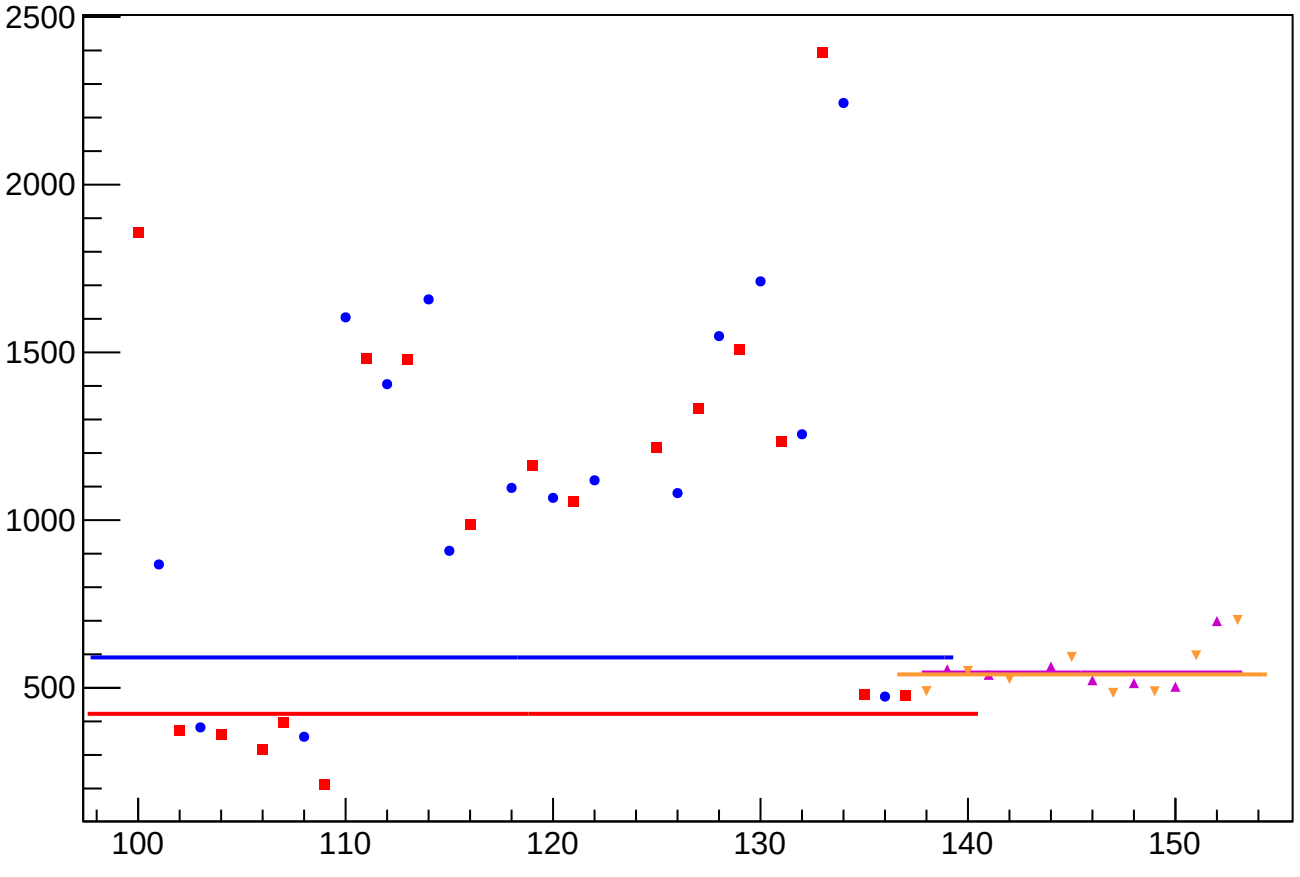
Right: 14.100+/-156.593 χ^2/NDF: 36.2/33

In: -3.144+/-169.009 χ^2/NDF:23.4/22

Out: -16.222+/-146.048 χ^2/NDF:36.5/25

All: -10.631+/-110.505 χ^2/NDF: 59.9/48

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: 540.099+/-0.155 χ^2/NDF:171220.9/7

Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 545.824+/-0.157 χ^2/NDF:108007.2/6

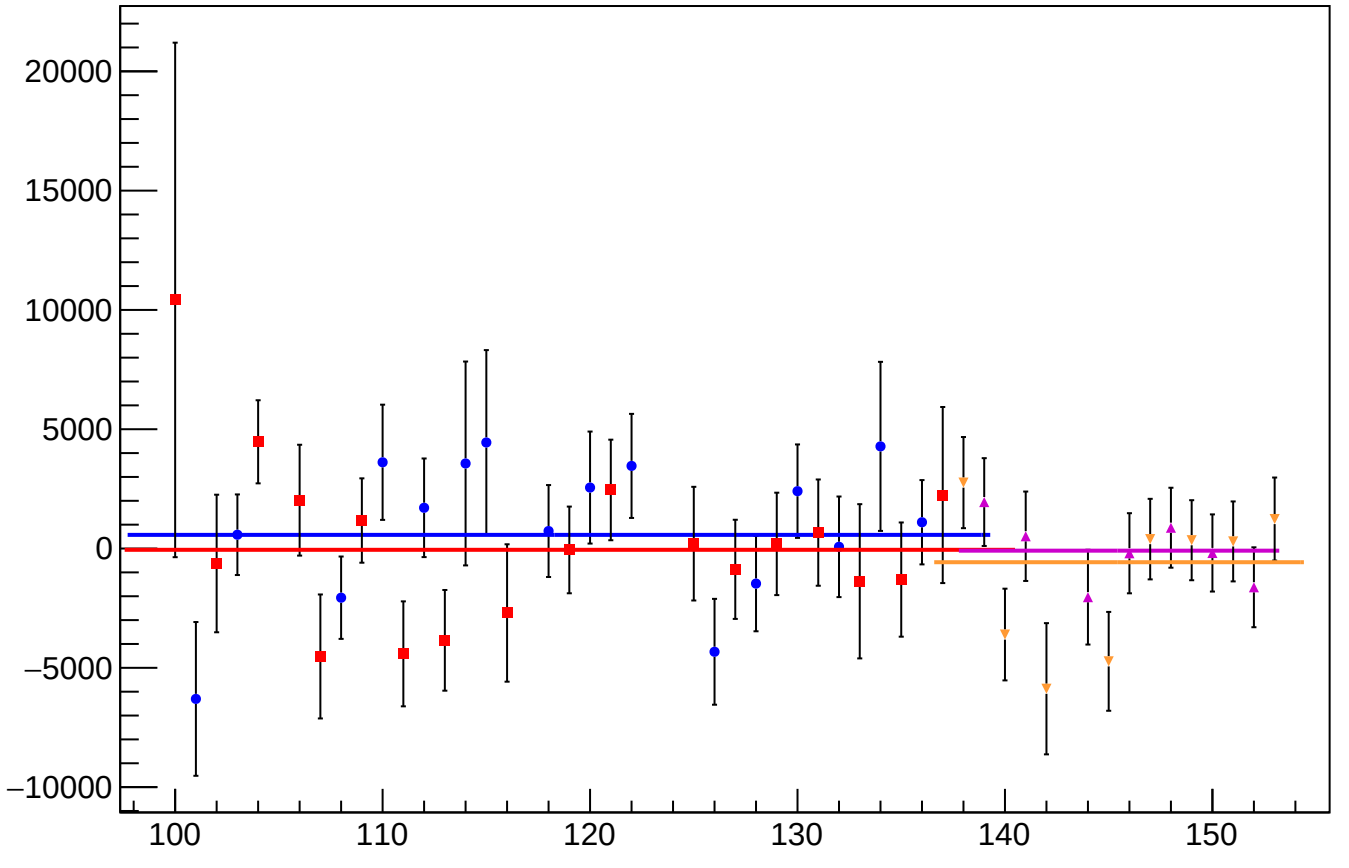
Left: 542.923+/-0.110 χ^2/NDF: 279901.6/14

Right: 483.362+/-0.111 χ^2/NDF: 9275456.5/33

In: 564.729+/-0.120 χ^2/NDF:4027951.8/22

Out: 474.831+/-0.103 χ^2/NDF:5348708.9/25

All: 513.263+/-0.078 χ^2/NDF: 9700609.2/48



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: -573.695+/-658.977 χ^2/NDF:15.3/7

Right Out: -53.752+/-545.353 χ^2/NDF: 22.5/17

Left In: -89.682+/-661.738 χ^2/NDF:3.5/6

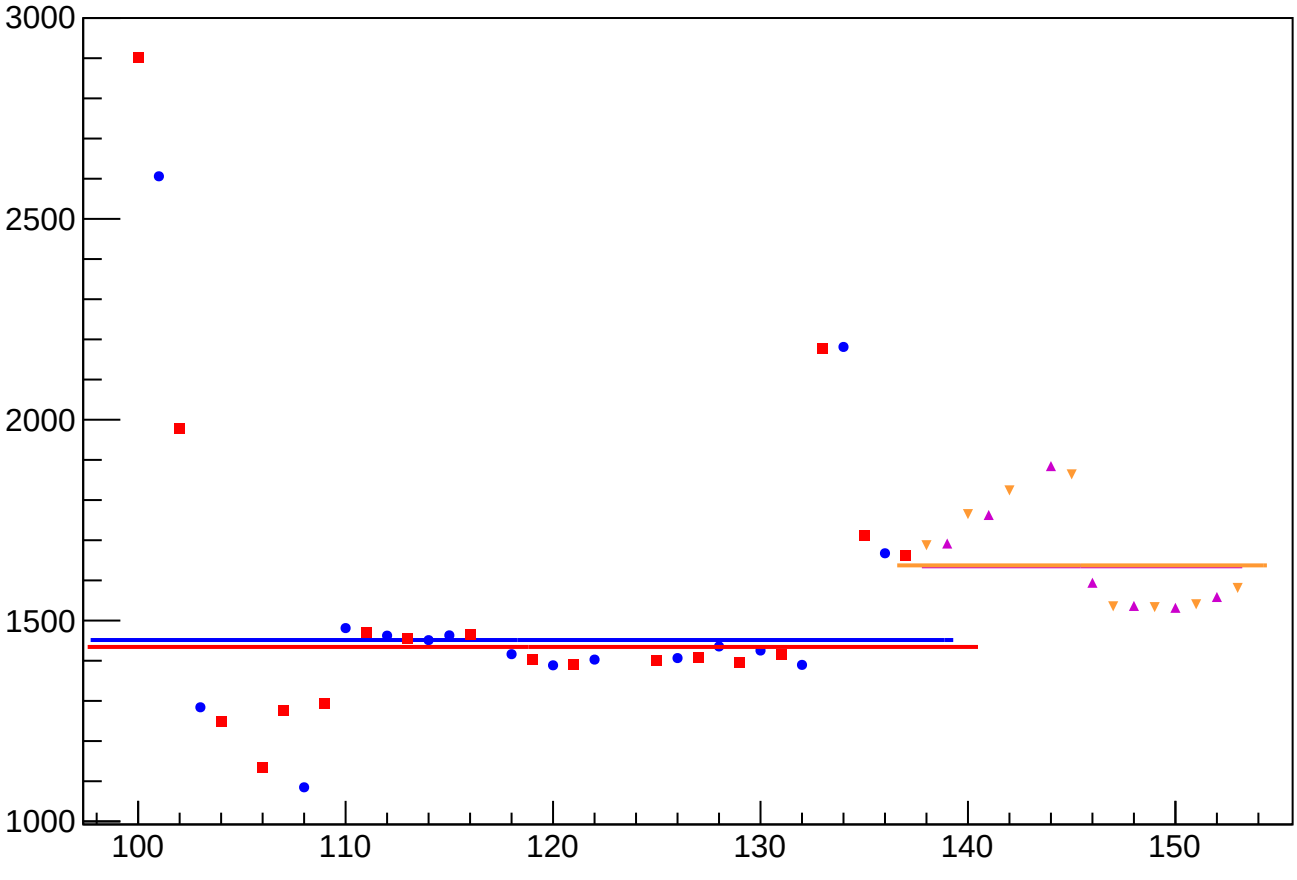
Left: -332.700+/-466.940 χ^2/NDF: 19.0/14

Right: 256.819+/-387.129 χ^2/NDF: 43.9/33

In: 302.042+/-422.812 χ^2/NDF:24.8/22

Out: -265.101+/-420.139 χ^2/NDF:38.1/25

All: 16.672+/-298.024 χ^2/NDF: 63.9/48



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1637.369+/-0.466 χ^2/NDF:67063.2/7

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1635.103+/-0.468 χ^2/NDF:63184.7/6

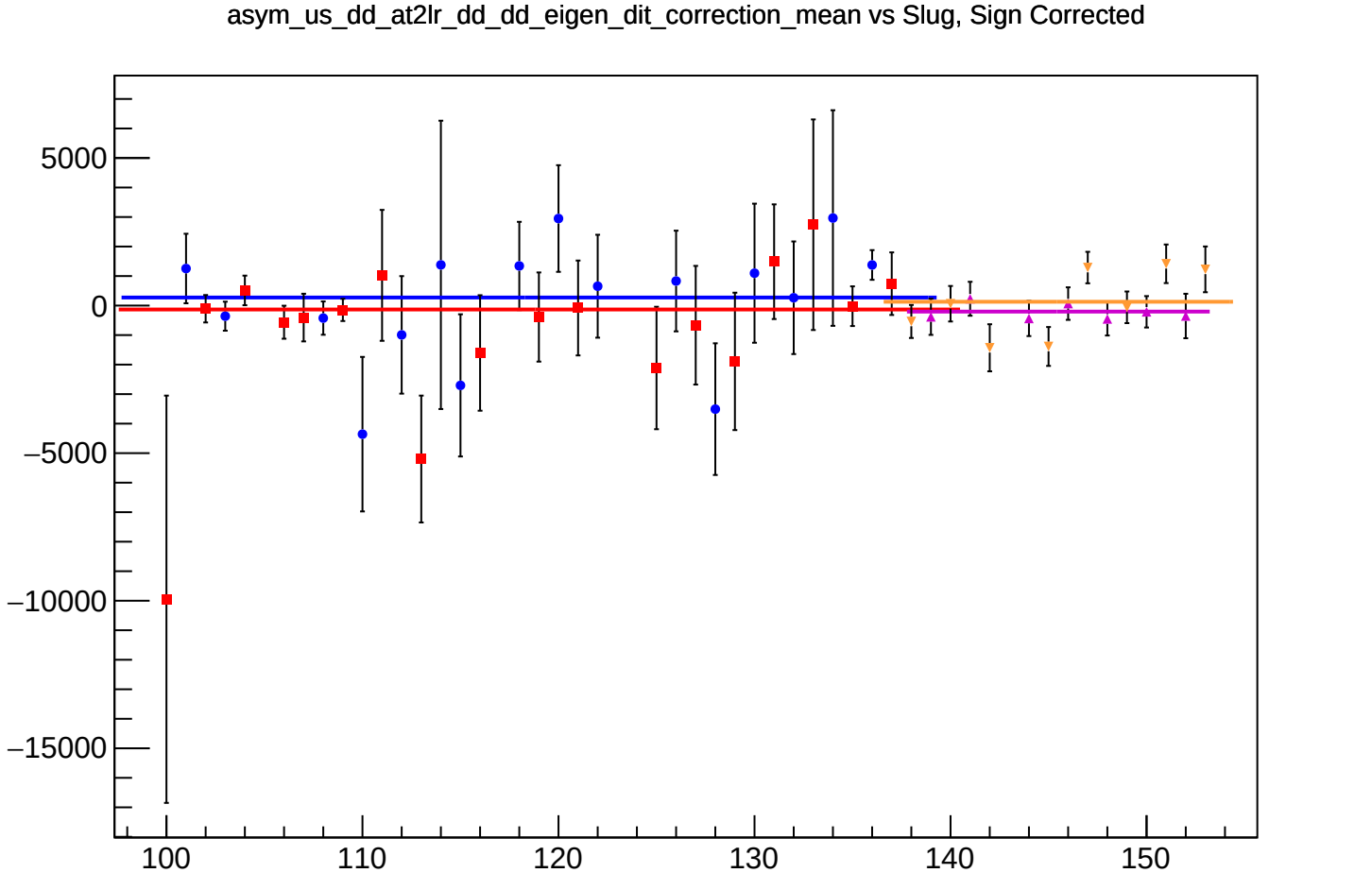
Left: 1636.241+/-0.330 χ^2/NDF: 130259.8/14

Right: 1442.883+/-0.274 χ^2/NDF: 817420.3/33

In: 1526.502+/-0.299 χ^2/NDF:642051.1/22

Out: 1516.857+/-0.297 χ^2/NDF:508351.9/25

All: 1521.649+/-0.211 χ^2/NDF: 1150926.7/48



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: 129.260+/-219.087 χ^2/NDF:21.3/7

Right Out: -132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: -204.098+/-222.074 χ^2/NDF:1.3/6

Left: -35.162+/-155.963 χ^2/NDF: 23.7/14

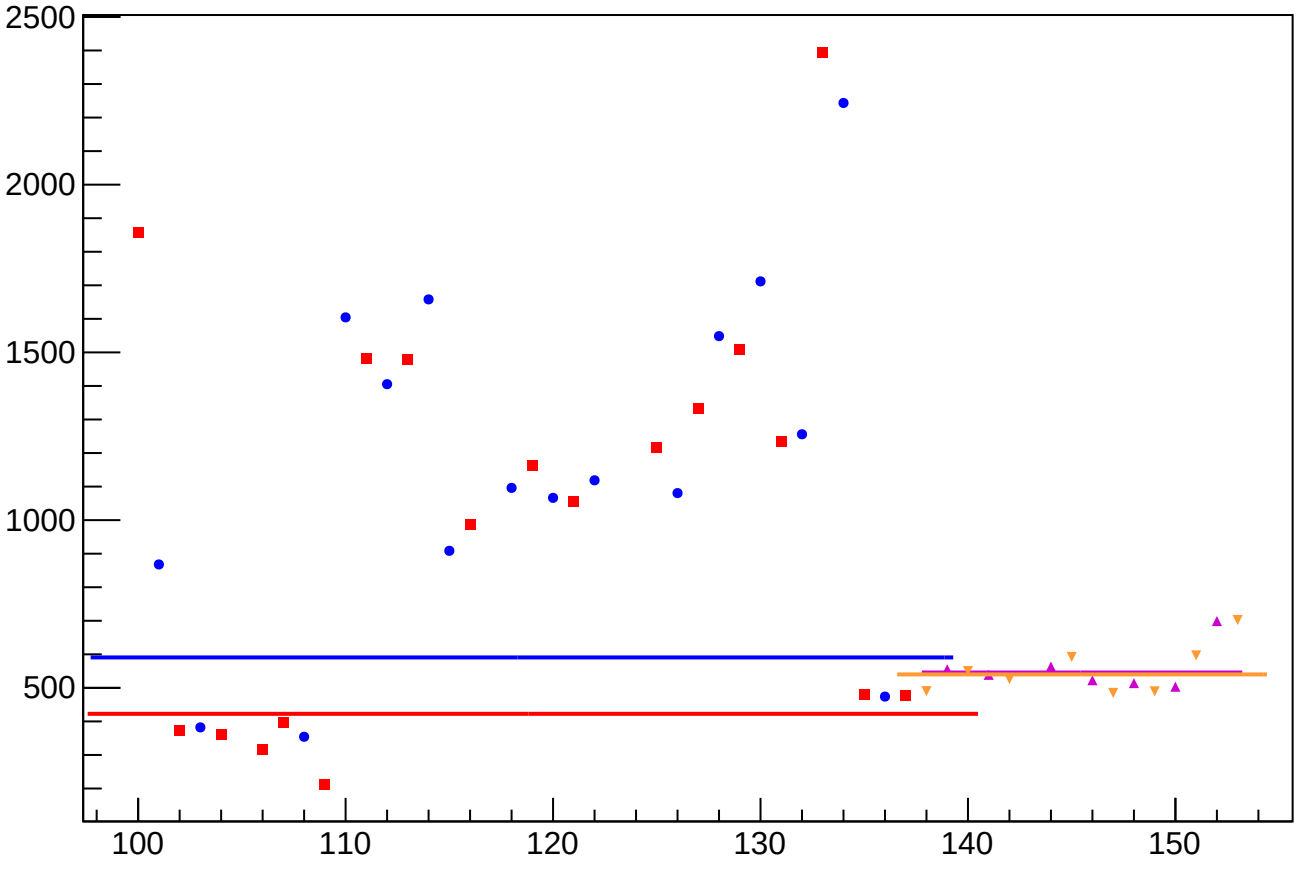
Right: 14.101+/-156.594 χ^2/NDF: 36.2/33

In: -3.151+/-169.009 χ^2/NDF:23.4/22

Out: -16.214+/-146.049 χ^2/NDF:36.5/25

All: -10.630+/-110.505 χ^2/NDF: 59.9/48

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: 540.103+/-0.155 χ^2/NDF:171218.8/7

Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 545.825+/-0.157 χ^2/NDF:108026.6/6

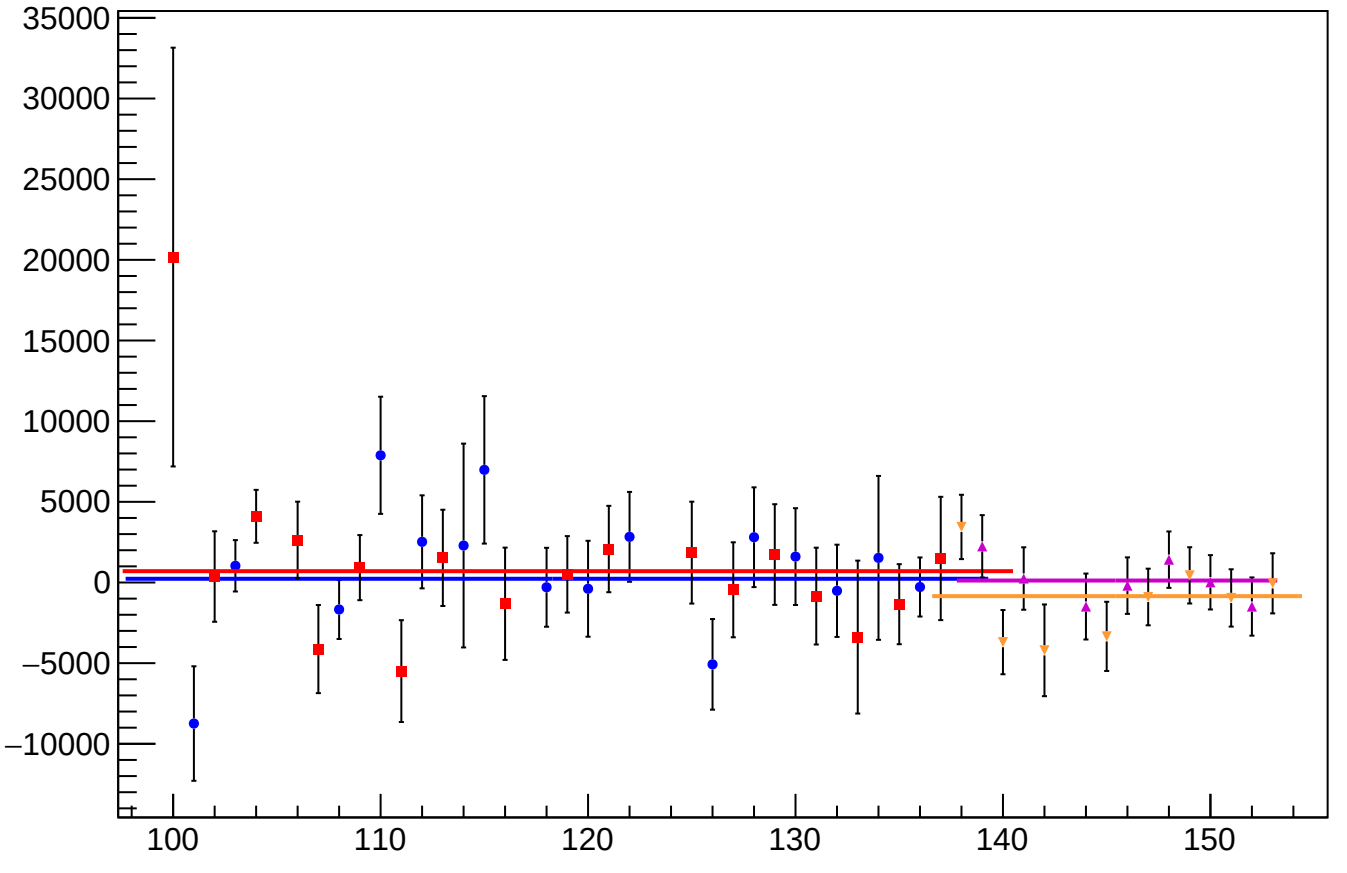
Left: 542.925+/-0.110 χ^2/NDF: 279918.2/14

Right: 483.366+/-0.111 χ^2/NDF: 9275354.4/33

In: 564.728+/-0.120 χ^2/NDF:4027995.5/22

Out: 474.836+/-0.103 χ^2/NDF:5348611.2/25

All: 513.266+/-0.078 χ^2/NDF: 9700516.5/48



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -845.919+/-689.556 χ^2/NDF:10.2/7

Right Out: 702.268+/-648.319 χ^2/NDF: 17.0/17

Left In: 121.601+/-692.428 χ^2/NDF:3.2/6

Left: -364.170+/-488.602 χ^2/NDF: 14.3/14

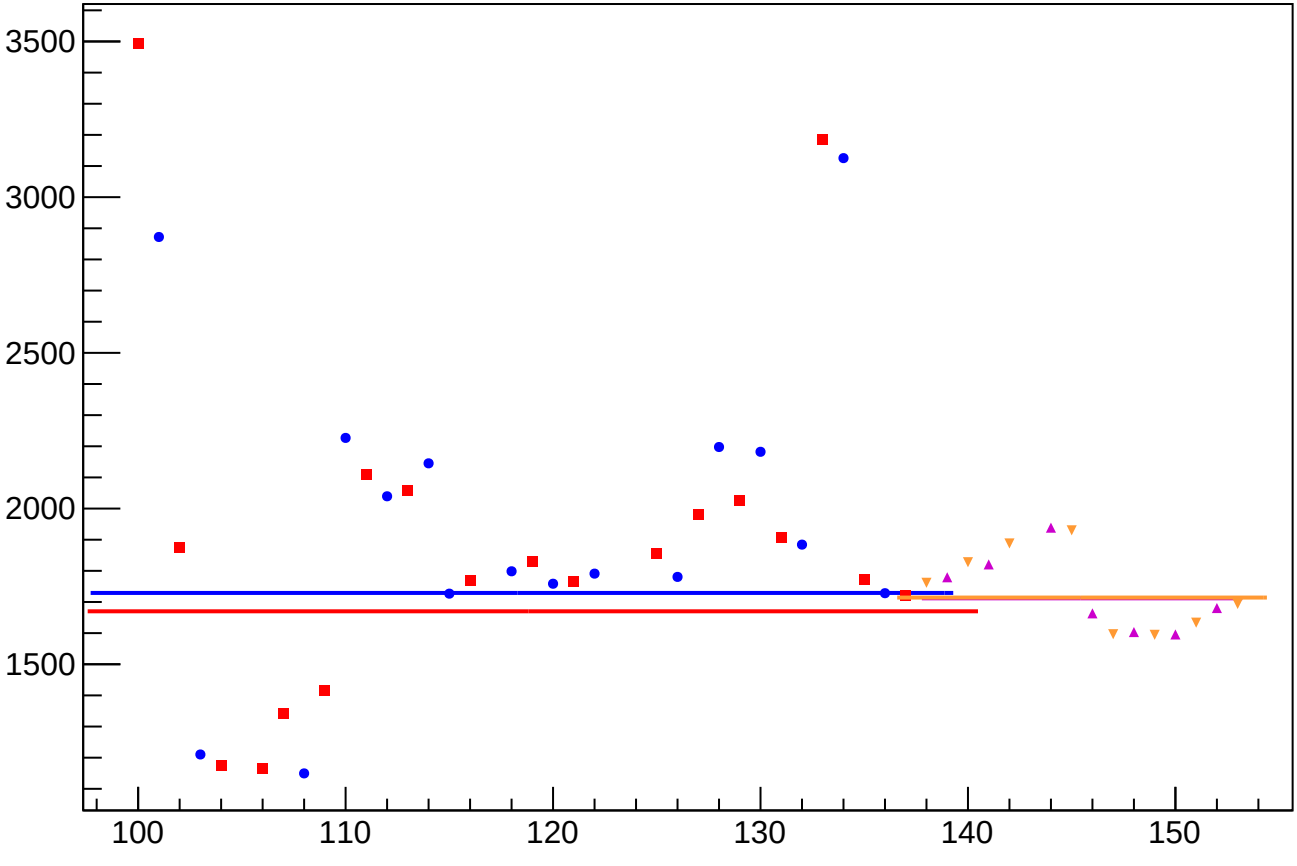
Right: 472.942+/-464.638 χ^2/NDF: 38.0/33

In: 178.284+/-480.094 χ^2/NDF:24.0/22

Out: -24.151+/-472.337 χ^2/NDF:29.9/25

All: 75.418+/-336.702 χ^2/NDF: 53.9/48

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: 1714.202+/-0.488 χ^2/NDF:58150.8/7

Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

Left In: 1711.703+/-0.490 χ^2/NDF:52721.8/6

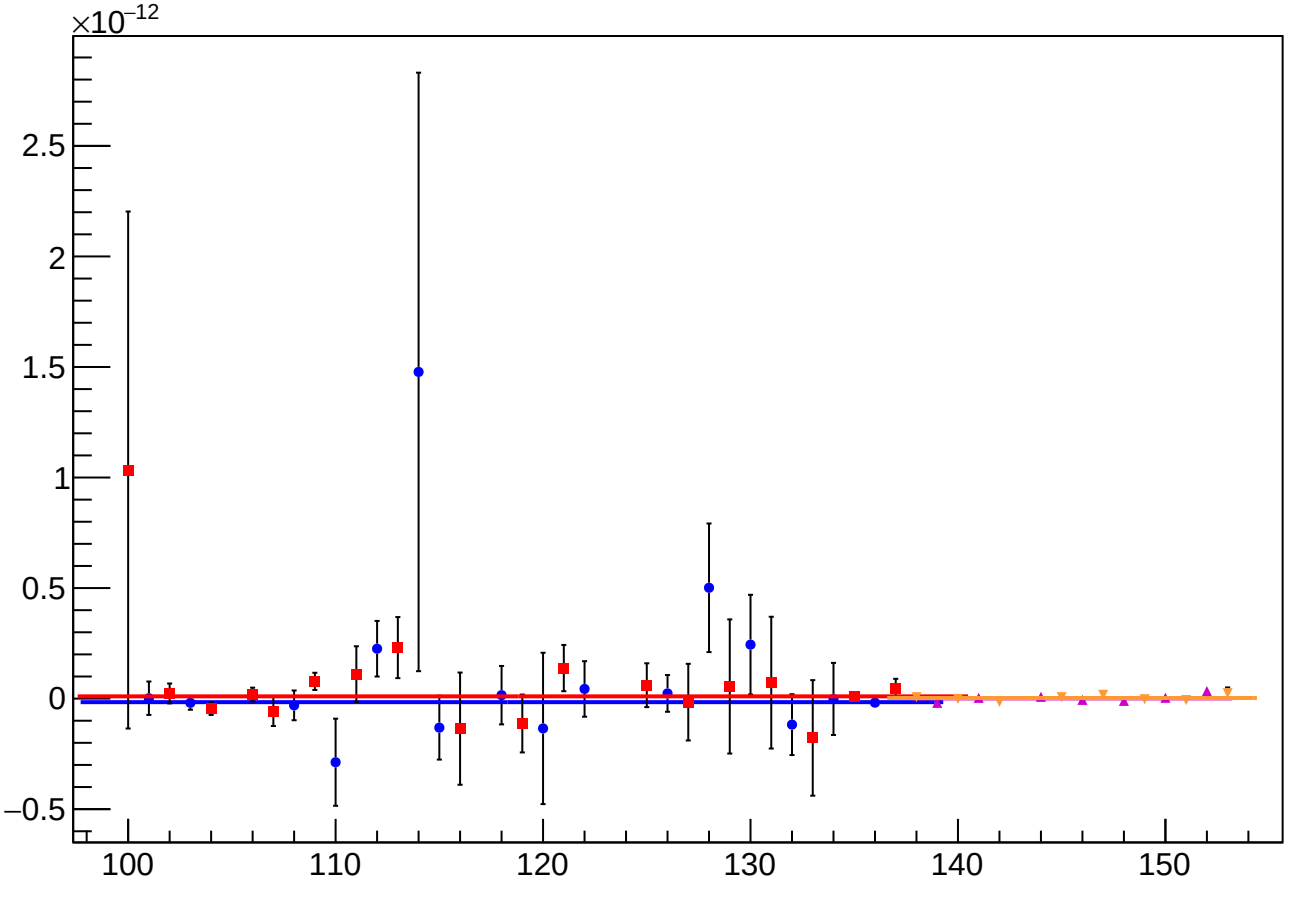
Left: 1712.958+/-0.345 χ^2/NDF: 110885.7/14

Right: 1698.749+/-0.329 χ^2/NDF: 1694585.4/33

In: 1720.711+/-0.339 χ^2/NDF:995452.7/22

Out: 1690.770+/-0.334 χ^2/NDF:806953.9/25

All: 1705.496+/-0.238 χ^2/NDF: 1806359.3/48



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.2/7

Right Out: 0.000+/-0.000 χ^2/NDF: 16.4/17

Left In: 0.000+/-0.000 χ^2/NDF:5.6/6

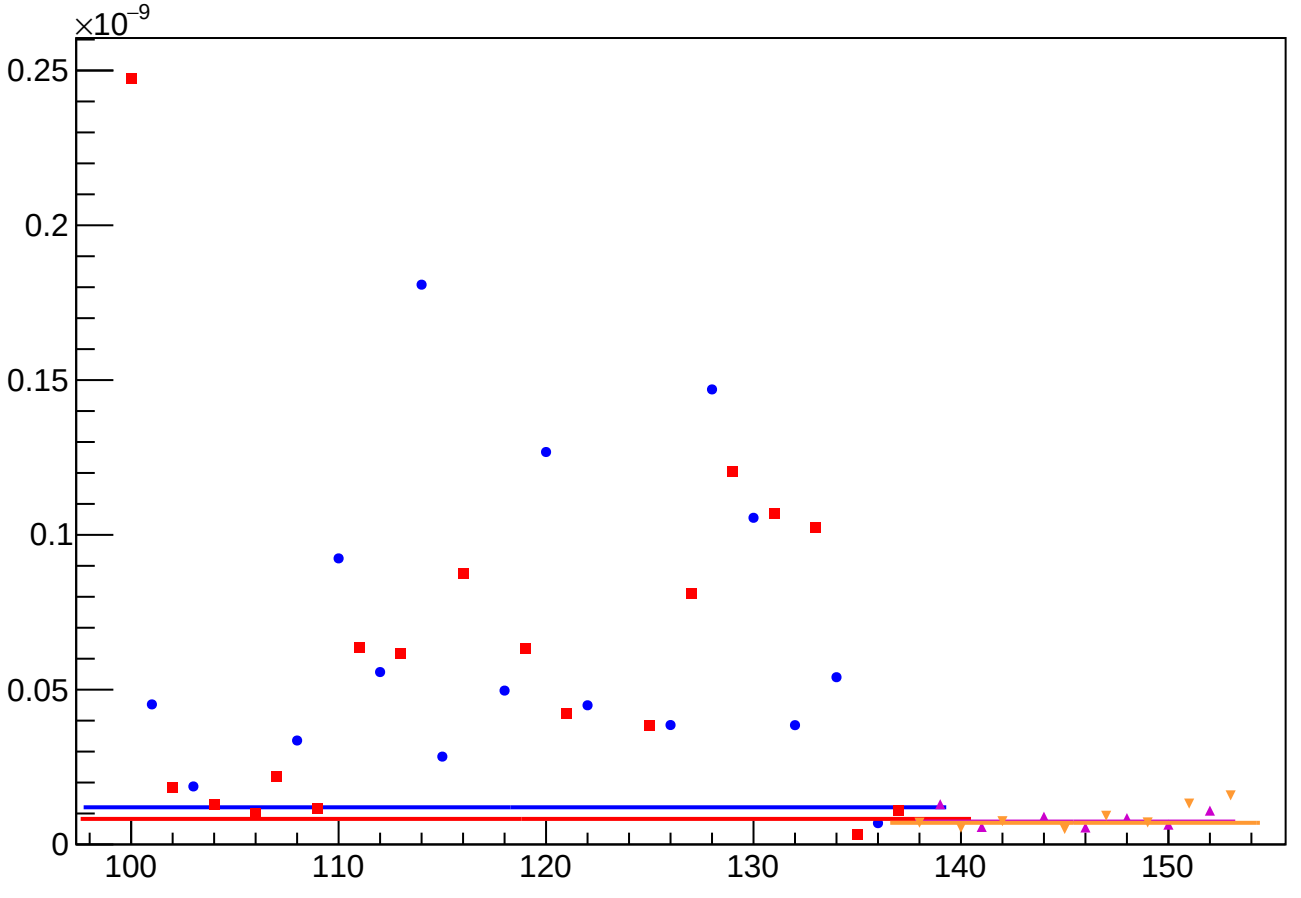
Left: 0.000+/-0.000 χ^2/NDF: 8.9/14

Right: -0.000+/-0.000 χ^2/NDF: 33.5/33

In: -0.000+/-0.000 χ^2/NDF:21.1/22

Out: 0.000+/-0.000 χ^2/NDF:20.2/25

All: 0.000+/-0.000 χ^2/NDF: 42.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:617536.1/7

Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:452583.0/6

Left: 0.000+/-0.000 χ^2/NDF: 1077272.0/14

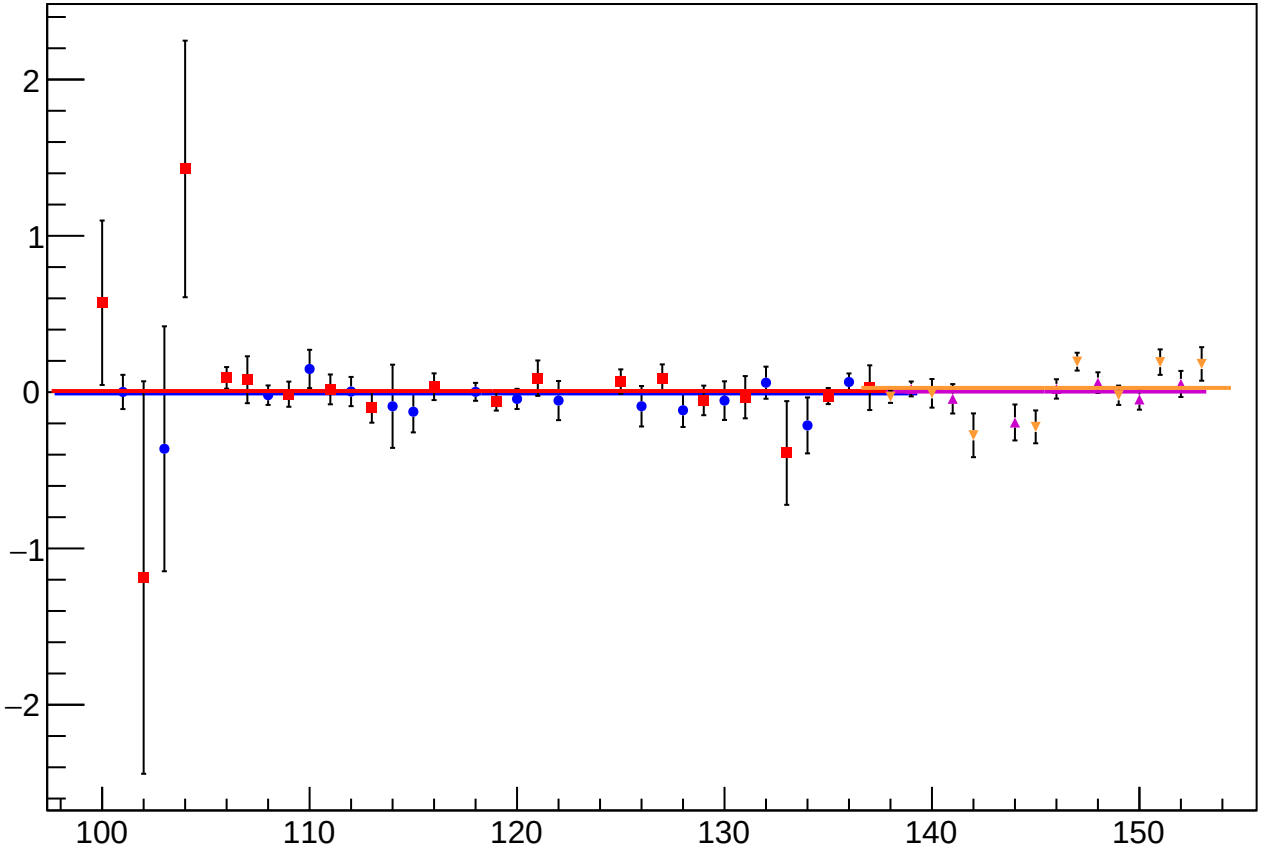
Right: 0.000+/-0.000 χ^2/NDF: 7091803.5/33

In: 0.000+/-0.000 χ^2/NDF:4209433.8/22

Out: 0.000+/-0.000 χ^2/NDF:4160209.4/25

All: 0.000+/-0.000 χ^2/NDF: 8419093.6/48

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: 0.027+/-0.024 χ^2/NDF:27.8/7

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.004+/-0.026 χ^2/NDF:5.1/6

Left: 0.016+/-0.018 χ^2/NDF: 33.3/14

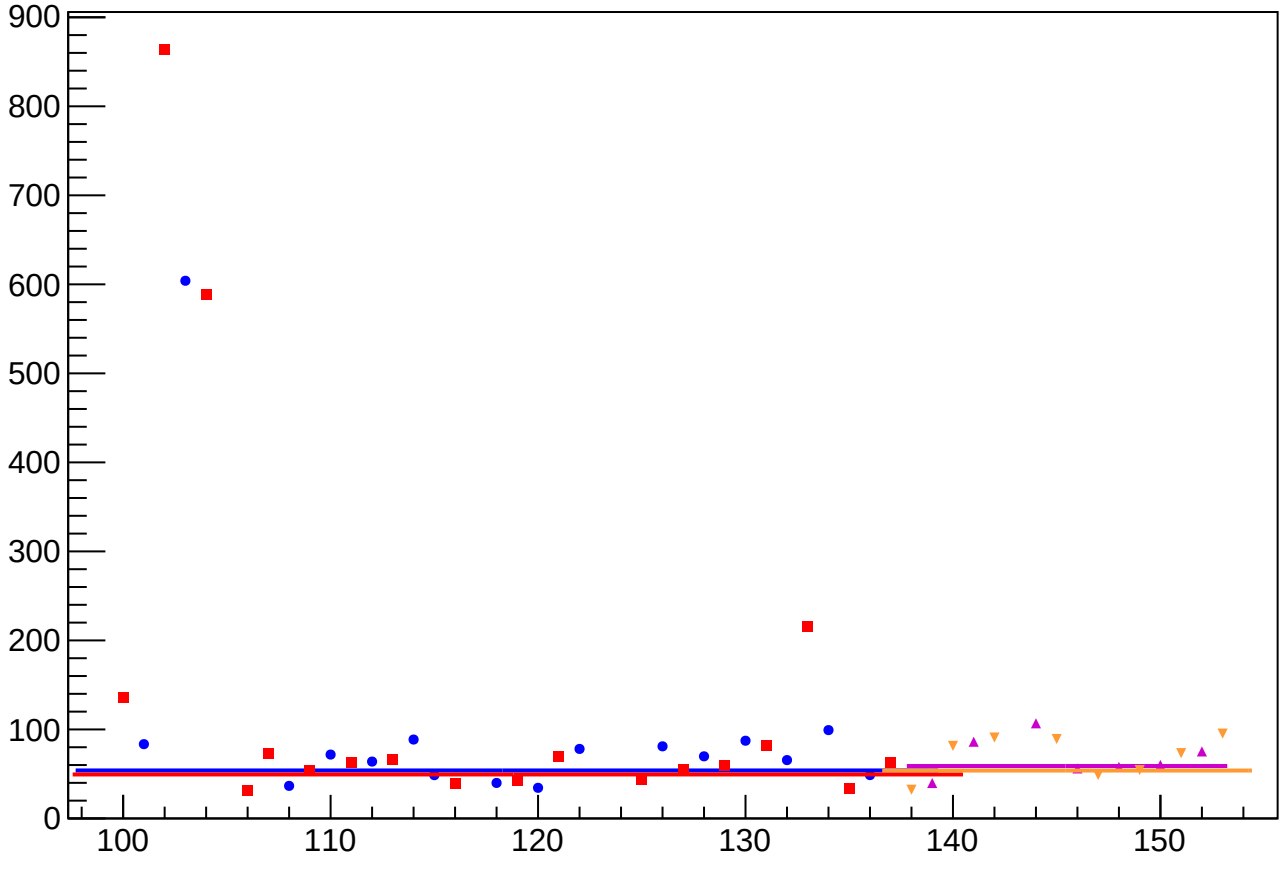
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.003+/-0.017 χ^2/NDF:13.5/22

Out: 0.016+/-0.016 χ^2/NDF:41.8/25

All: 0.007+/-0.012 χ^2/NDF: 56.0/48

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: 53.835+/-0.017 χ^2/NDF:1562750.6/7

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 58.906+/-0.018 χ^2/NDF:920525.0/6

Left: 56.212+/-0.013 χ^2/NDF: 2524111.0/14

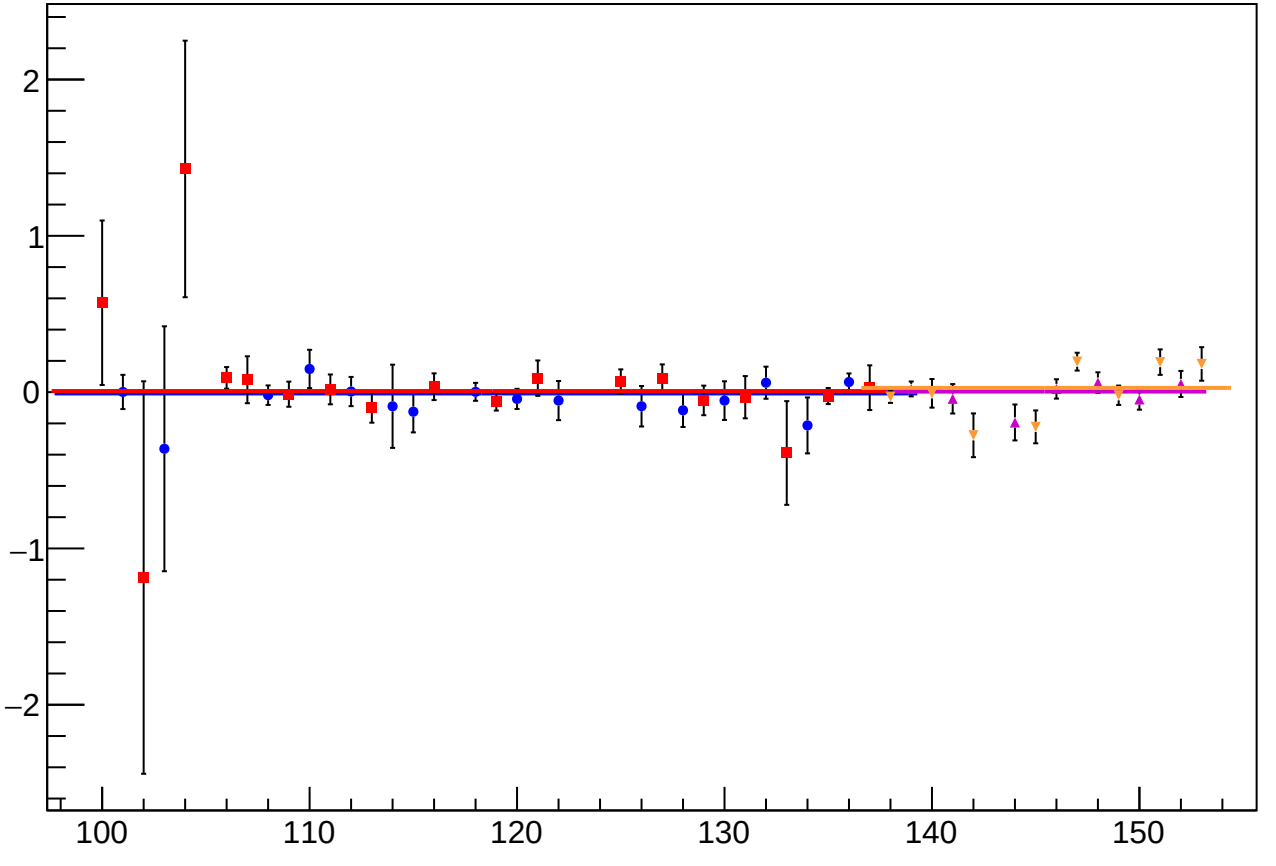
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 56.136+/-0.012 χ^2/NDF:3176101.3/22

Out: 51.431+/-0.012 χ^2/NDF:4616434.2/25

All: 53.667+/-0.008 χ^2/NDF: 7870780.9/48

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: 0.027+/-0.024 χ^2/NDF:27.8/7

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.004+/-0.026 χ^2/NDF:5.1/6

Left: 0.016+/-0.018 χ^2/NDF: 33.3/14

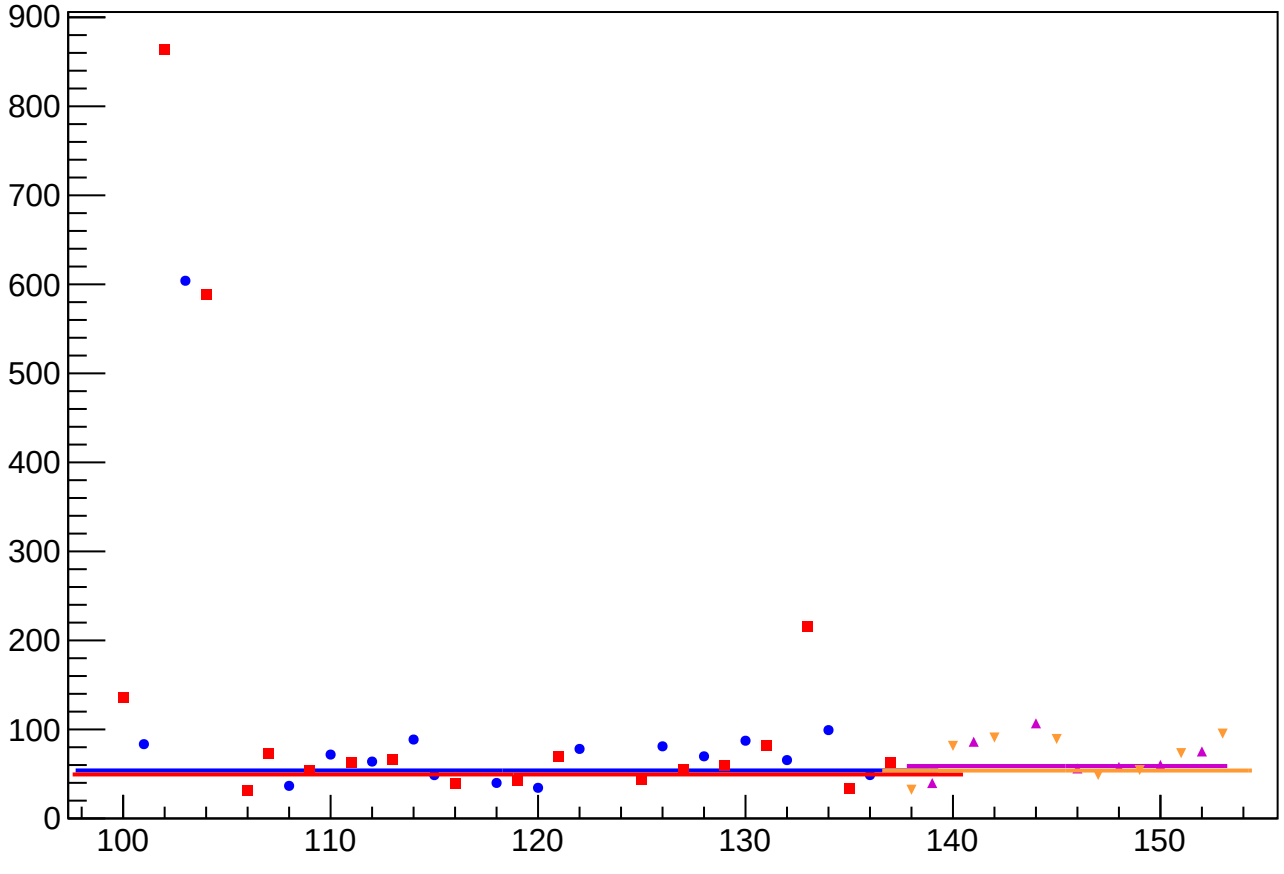
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.003+/-0.017 χ^2/NDF:13.5/22

Out: 0.016+/-0.016 χ^2/NDF:41.8/25

All: 0.007+/-0.012 χ^2/NDF: 56.0/48

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: 53.835+/-0.017 χ^2/NDF:1562750.6/7

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 58.906+/-0.018 χ^2/NDF:920525.0/6

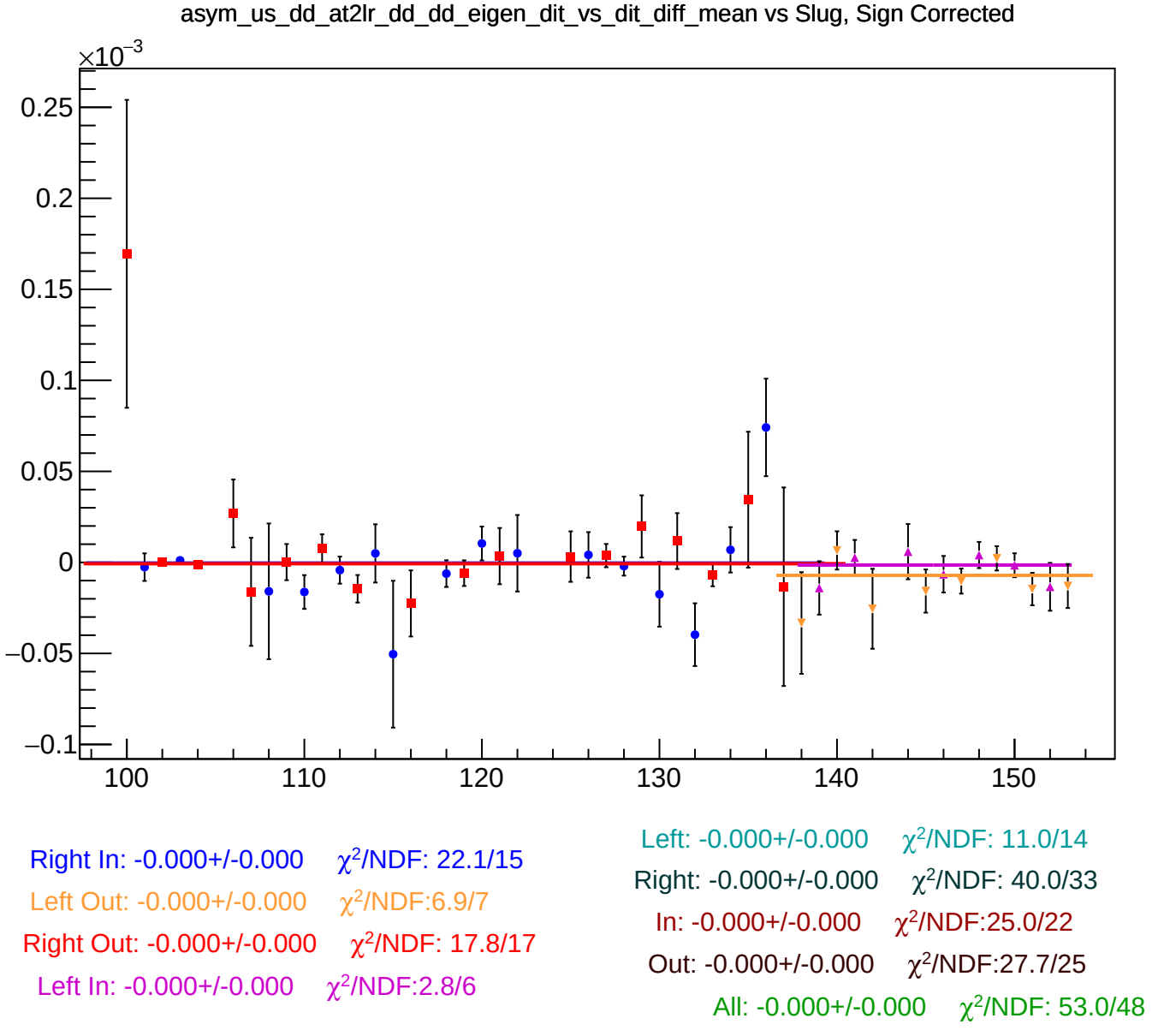
Left: 56.212+/-0.013 χ^2/NDF: 2524111.0/14

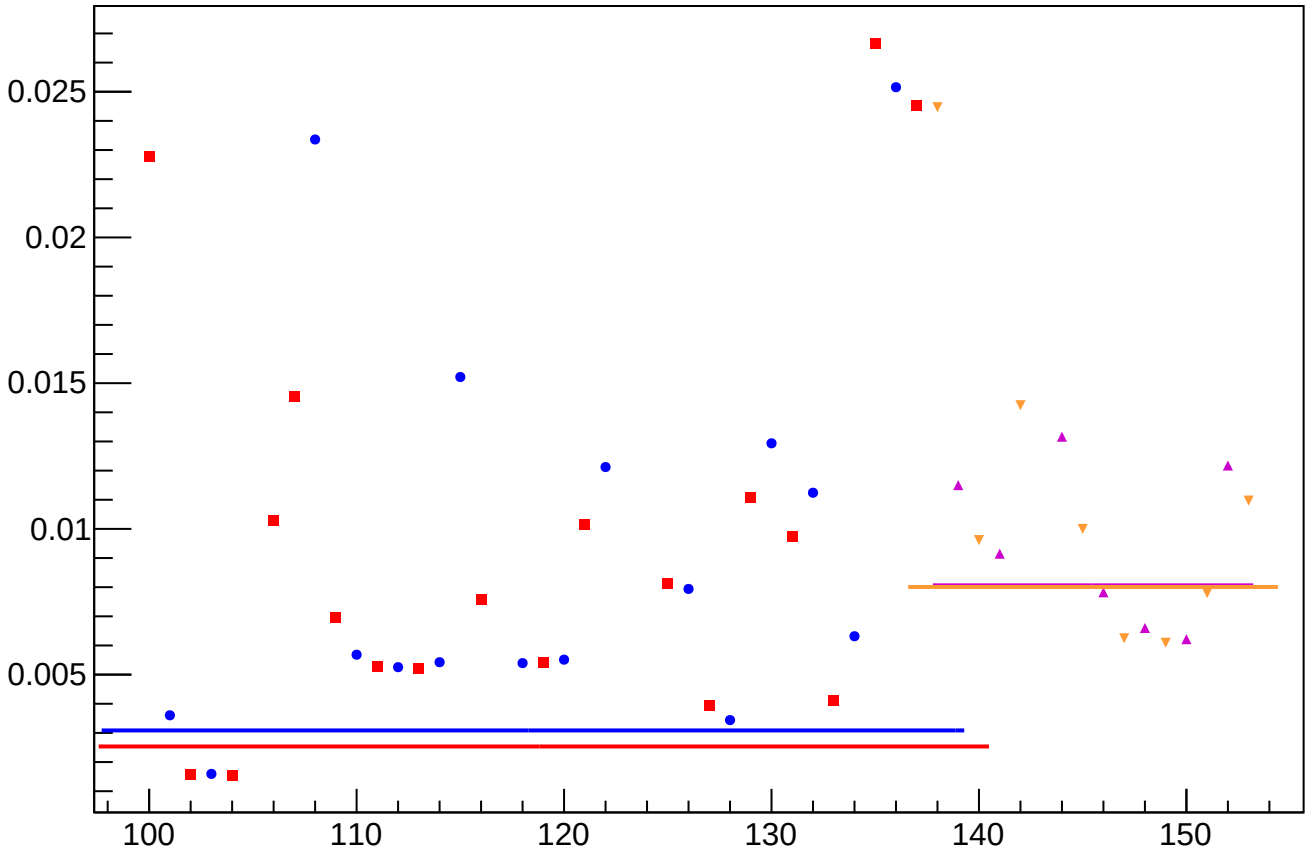
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 56.136+/-0.012 χ^2/NDF:3176101.3/22

Out: 51.431+/-0.012 χ^2/NDF:4616434.2/25

All: 53.667+/-0.008 χ^2/NDF: 7870780.9/48


asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 22.1/15
Left Out: -0.000+/-0.000 χ²/NDF:6.9/7
Right Out: -0.000+/-0.000 χ²/NDF: 17.8/17
Left In: -0.000+/-0.000 χ²/NDF:2.8/6
Left: -0.000+/-0.000 χ²/NDF: 11.0/14
Right: -0.000+/-0.000 χ²/NDF: 40.0/33
In: -0.000+/-0.000 χ²/NDF:25.0/22
Out: -0.000+/-0.000 χ²/NDF:27.7/25
All: -0.000+/-0.000 χ²/NDF: 53.0/48



Right In: 0.003+/-0.000 χ^2/NDF: 5779108.6/15

Left Out: 0.008+/-0.000 χ^2/NDF:1376939.5/7

Right Out: 0.003+/-0.000 χ^2/NDF: 6237059.6/17

Left In: 0.008+/-0.000 χ^2/NDF:797511.6/6

Left: 0.008+/-0.000 χ^2/NDF: 2174705.9/14

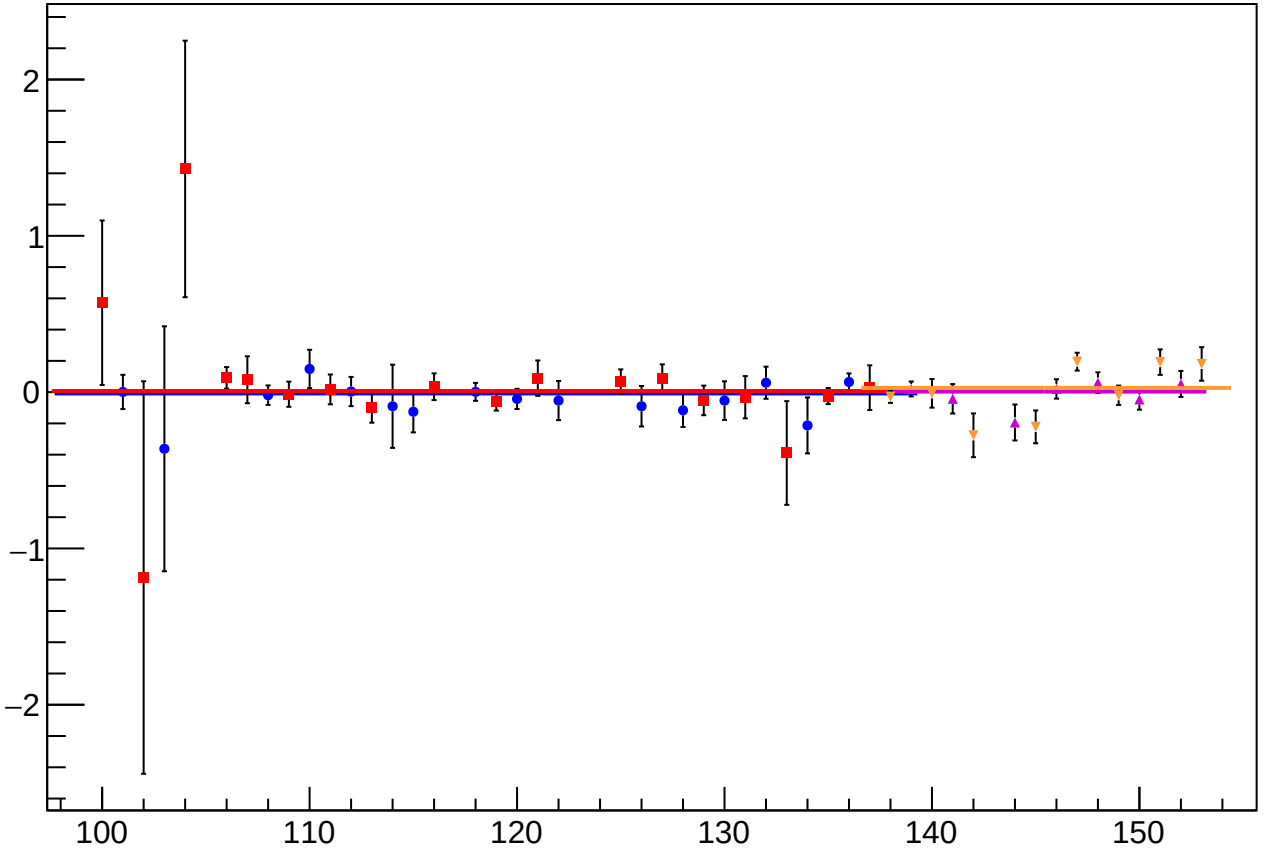
Right: 0.003+/-0.000 χ^2/NDF: 12159145.0/33

In: 0.004+/-0.000 χ^2/NDF:9772567.2/22

Out: 0.003+/-0.000 χ^2/NDF:11979352.0/25

All: 0.003+/-0.000 χ^2/NDF: 22065014.7/48

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: 0.027+/-0.024 χ^2/NDF:27.8/7

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.004+/-0.026 χ^2/NDF:5.1/6

Left: 0.016+/-0.018 χ^2/NDF: 33.3/14

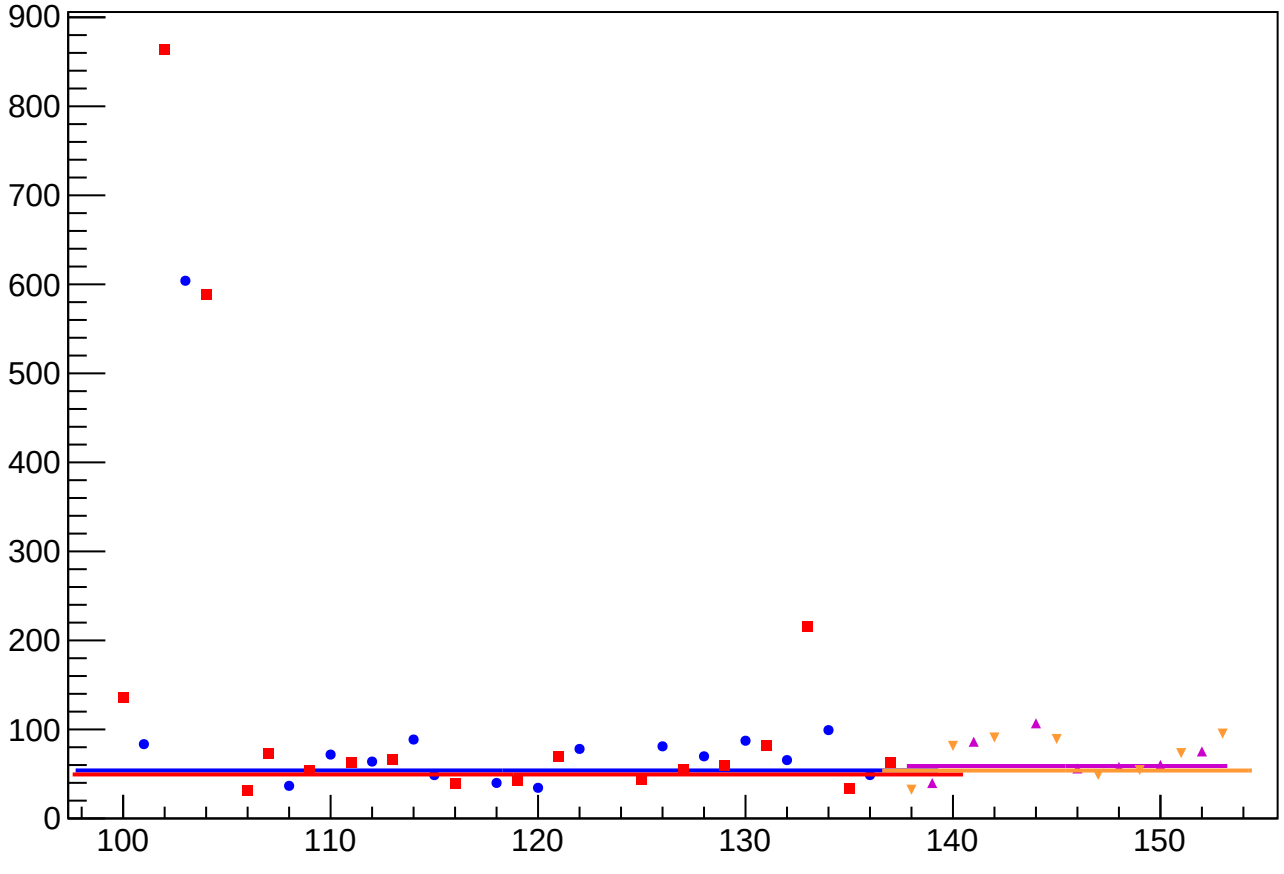
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.003+/-0.017 χ^2/NDF:13.5/22

Out: 0.016+/-0.016 χ^2/NDF:41.8/25

All: 0.007+/-0.012 χ^2/NDF: 56.0/48

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: 53.839+/-0.017 χ^2/NDF:1562123.3/7

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 58.906+/-0.018 χ^2/NDF:920599.2/6

Left: 56.214+/-0.013 χ^2/NDF: 2523476.3/14

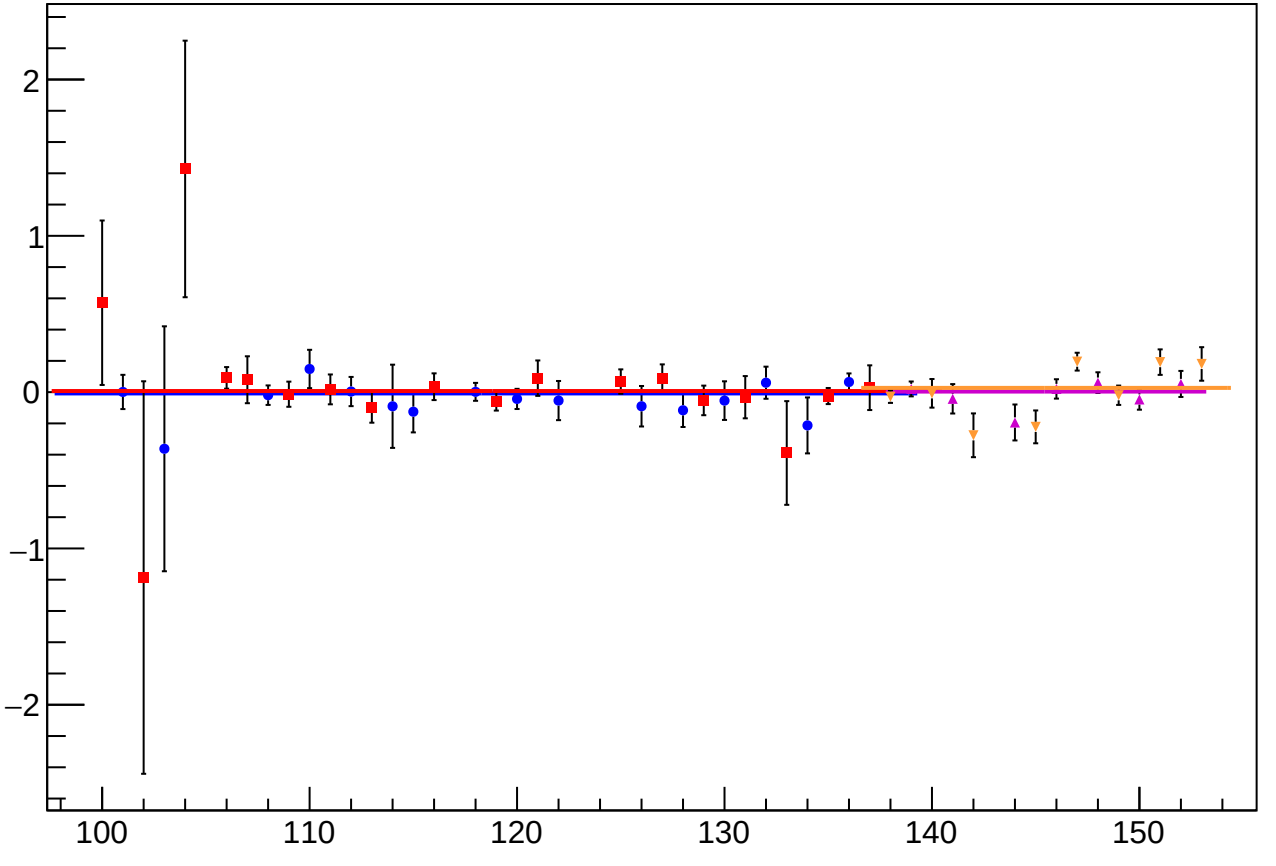
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 56.138+/-0.012 χ^2/NDF:3175707.3/22

Out: 51.434+/-0.012 χ^2/NDF:4615559.9/25

All: 53.669+/-0.008 χ^2/NDF: 7869464.0/48

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: 0.027+/-0.024 χ^2/NDF:27.8/7

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: 0.004+/-0.026 χ^2/NDF:5.1/6

Left: 0.016+/-0.018 χ^2/NDF: 33.3/14

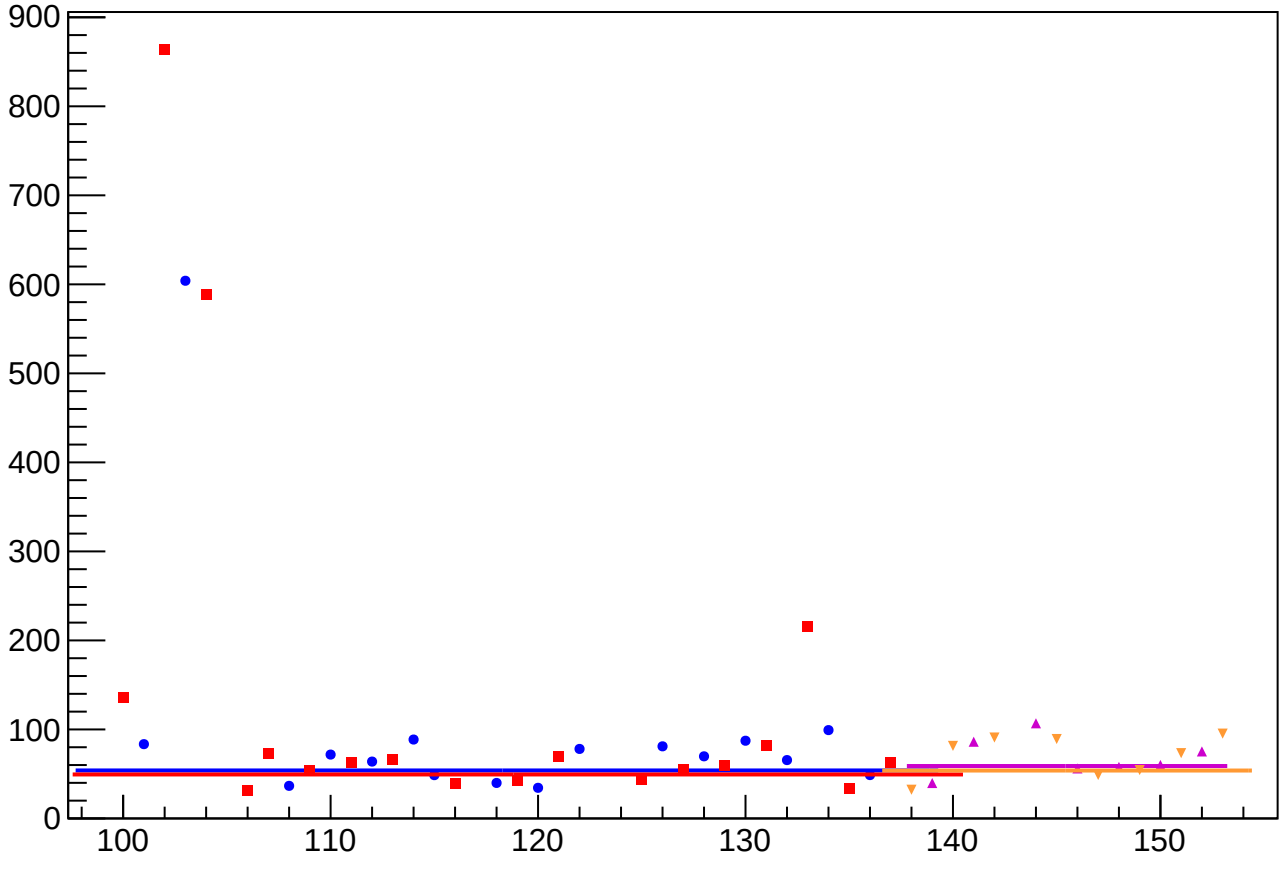
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.003+/-0.017 χ^2/NDF:13.5/22

Out: 0.016+/-0.016 χ^2/NDF:41.8/25

All: 0.007+/-0.012 χ^2/NDF: 56.0/48

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: 53.839+/-0.017 χ^2/NDF:1562123.3/7

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 58.906+/-0.018 χ^2/NDF:920599.2/6

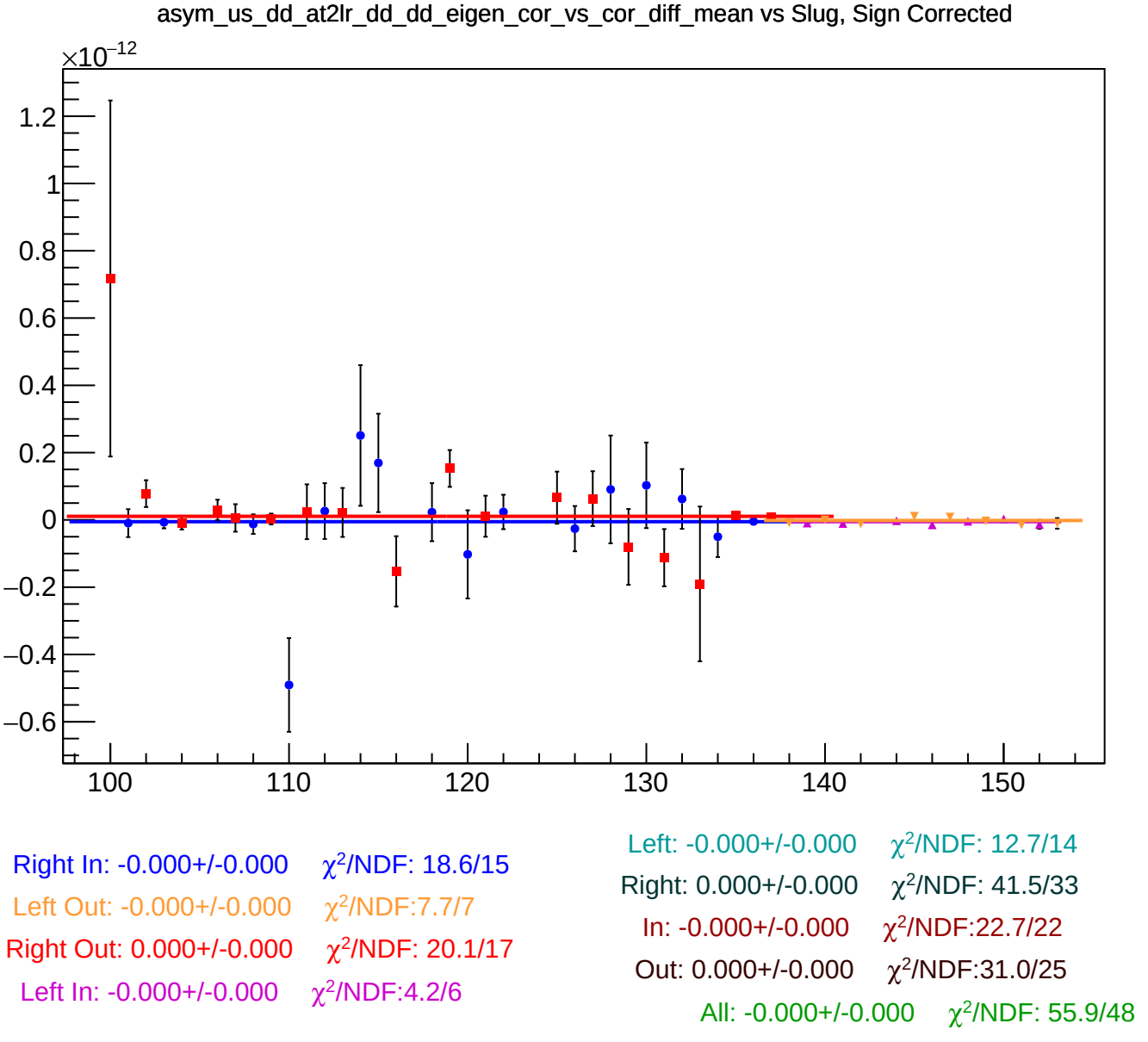
Left: 56.214+/-0.013 χ^2/NDF: 2523476.3/14

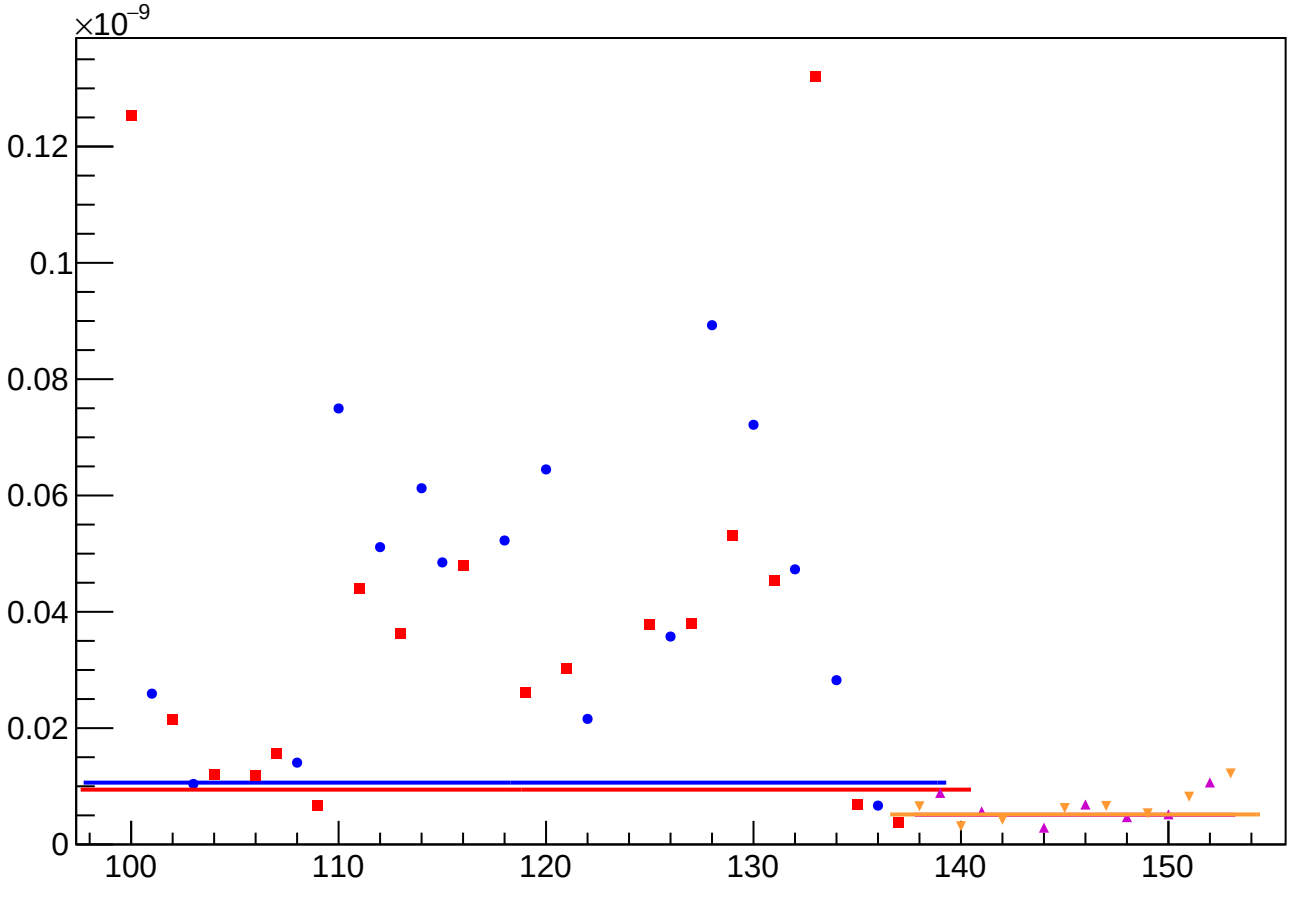
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 56.138+/-0.012 χ^2/NDF:3175707.3/22

Out: 51.434+/-0.012 χ^2/NDF:4615559.9/25

All: 53.669+/-0.008 χ^2/NDF: 7869464.0/48


asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 18.6/15
Left Out: -0.000+/-0.000 χ²/NDF:7.7/7
Right Out: 0.000+/-0.000 χ²/NDF: 20.1/17
Left In: -0.000+/-0.000 χ²/NDF:4.2/6
Left: -0.000+/-0.000 χ²/NDF: 12.7/14
Right: 0.000+/-0.000 χ²/NDF: 41.5/33
In: -0.000+/-0.000 χ²/NDF:22.7/22
Out: 0.000+/-0.000 χ²/NDF:31.0/25
All: -0.000+/-0.000 χ²/NDF: 55.9/48



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1114576.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

Left In: 0.000+/-0.000 χ^2/NDF:1087979.9/6

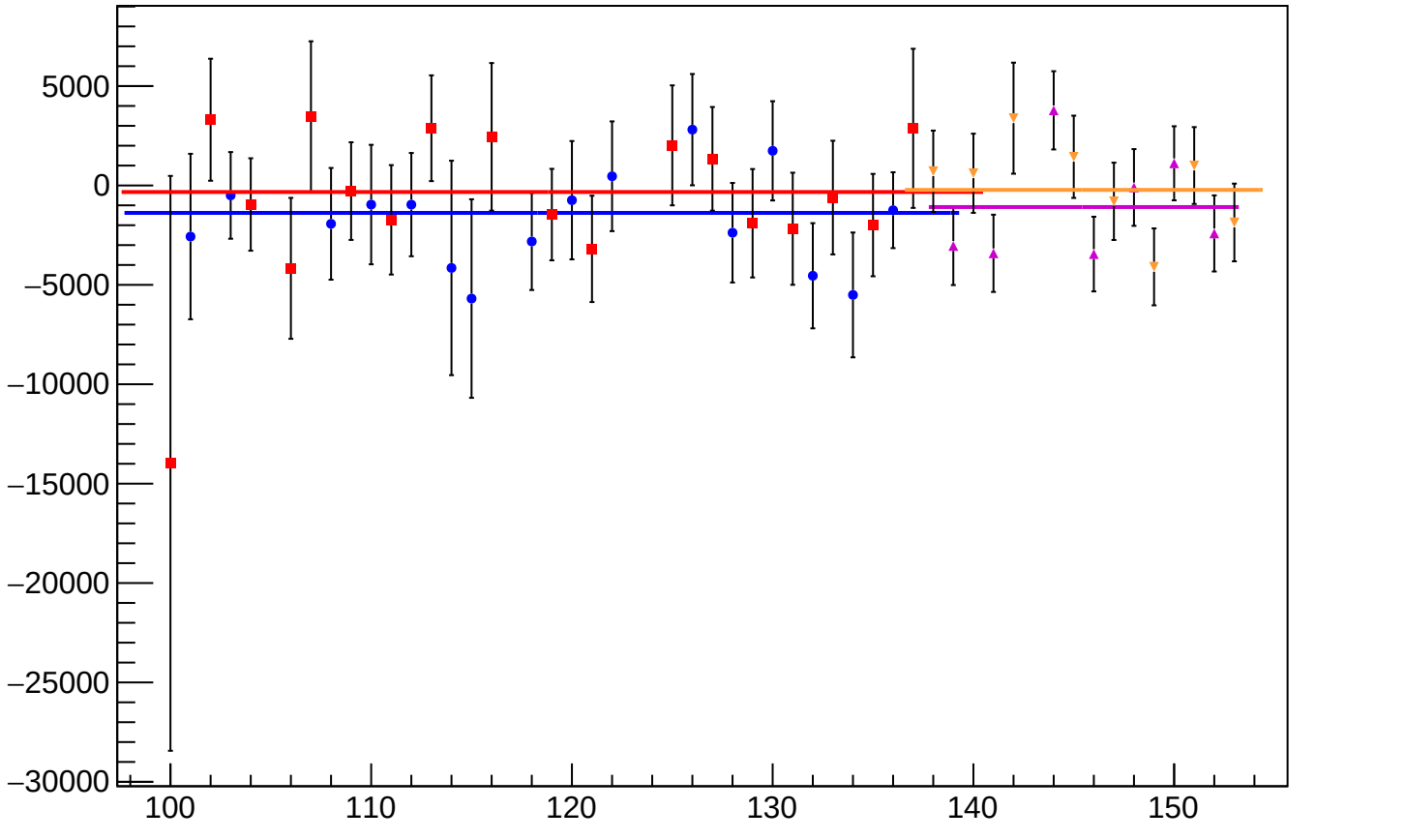
Left: 0.000+/-0.000 χ^2/NDF: 2203079.5/14

Right: 0.000+/-0.000 χ^2/NDF: 8619590.4/33

In: 0.000+/-0.000 χ^2/NDF:6769401.4/22

Out: 0.000+/-0.000 χ^2/NDF:5883470.2/25

All: 0.000+/-0.000 χ^2/NDF: 12653664.4/48



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: -223.392+/-722.869 χ^2/NDF:7.9/7

Right Out: -328.770+/-683.888 χ^2/NDF: 11.0/17

Left In: -1085.682+/-726.581 χ^2/NDF:12.3/6

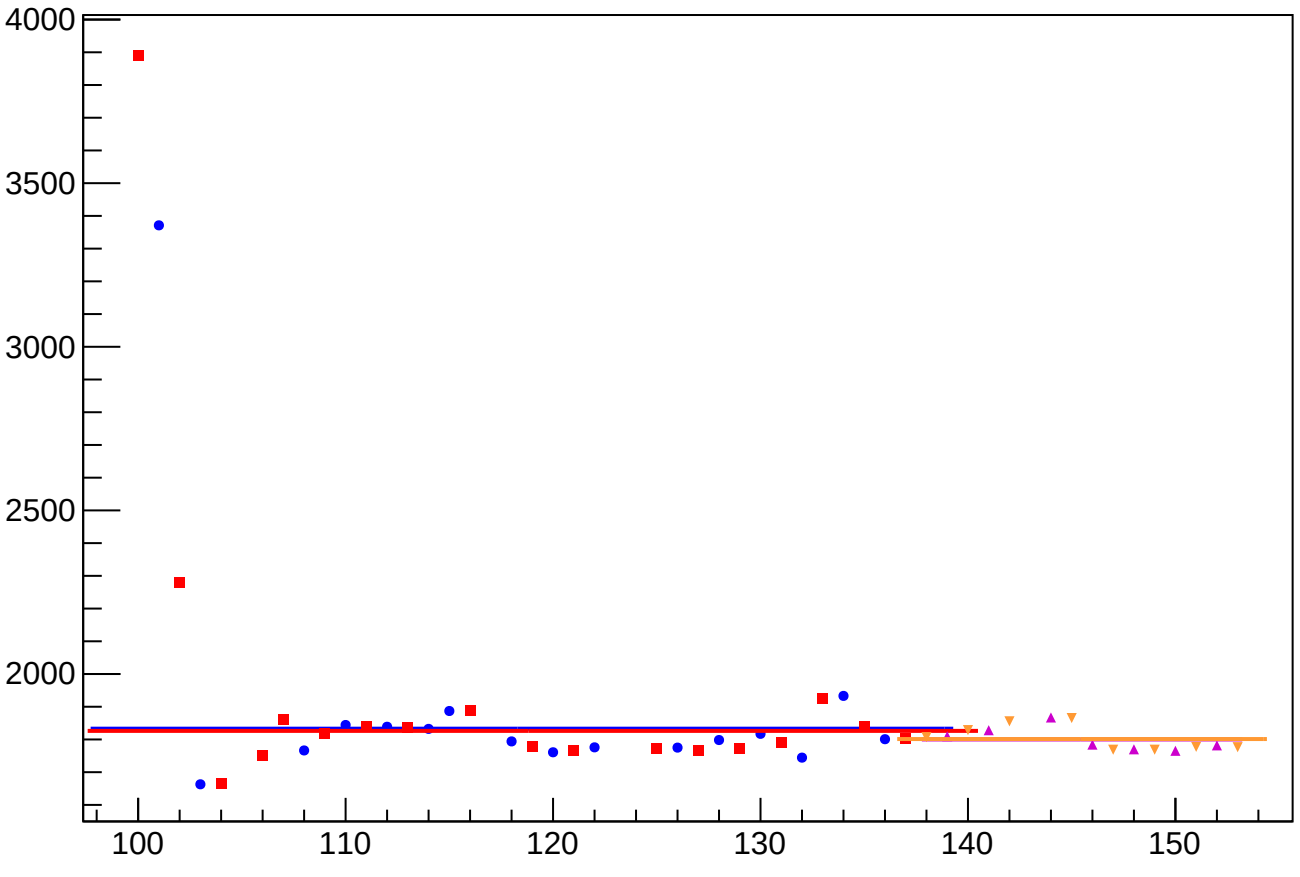
Left: -652.329+/-512.453 χ^2/NDF: 20.9/14

Right: -849.832+/-485.390 χ^2/NDF: 21.5/33

In: -1239.989+/-499.966 χ^2/NDF:21.6/22

Out: -278.999+/-496.791 χ^2/NDF:19.0/25

All: -756.433+/-352.401 χ^2/NDF: 42.5/48



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1801.263+/-0.511 χ^2/NDF:4823.8/7

Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1799.992+/-0.514 χ^2/NDF:4299.5/6

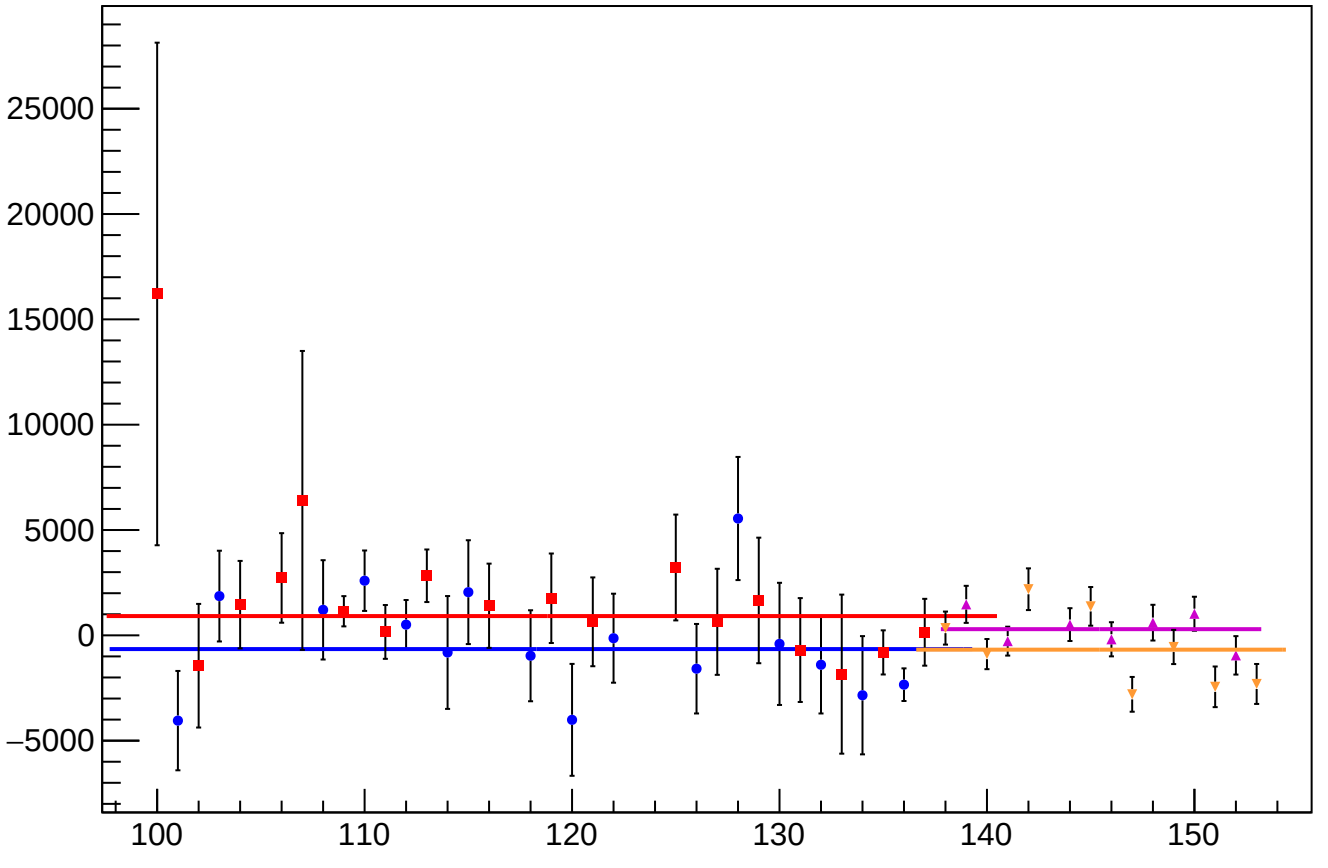
Left: 1800.631+/-0.362 χ^2/NDF: 9126.4/14

Right: 1829.552+/-0.343 χ^2/NDF: 398542.3/33

In: 1817.343+/-0.354 χ^2/NDF:301905.1/22

Out: 1814.426+/-0.351 χ^2/NDF:109087.2/25

All: 1815.875+/-0.249 χ^2/NDF: 411026.5/48



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -679.872+/-302.060 χ^2/NDF:28.1/7

Right Out: 914.717+/-393.421 χ^2/NDF: 11.5/17

Left In: 293.434+/-305.464 χ^2/NDF:5.7/6

Left: -198.672+/-214.782 χ^2/NDF: 39.0/14

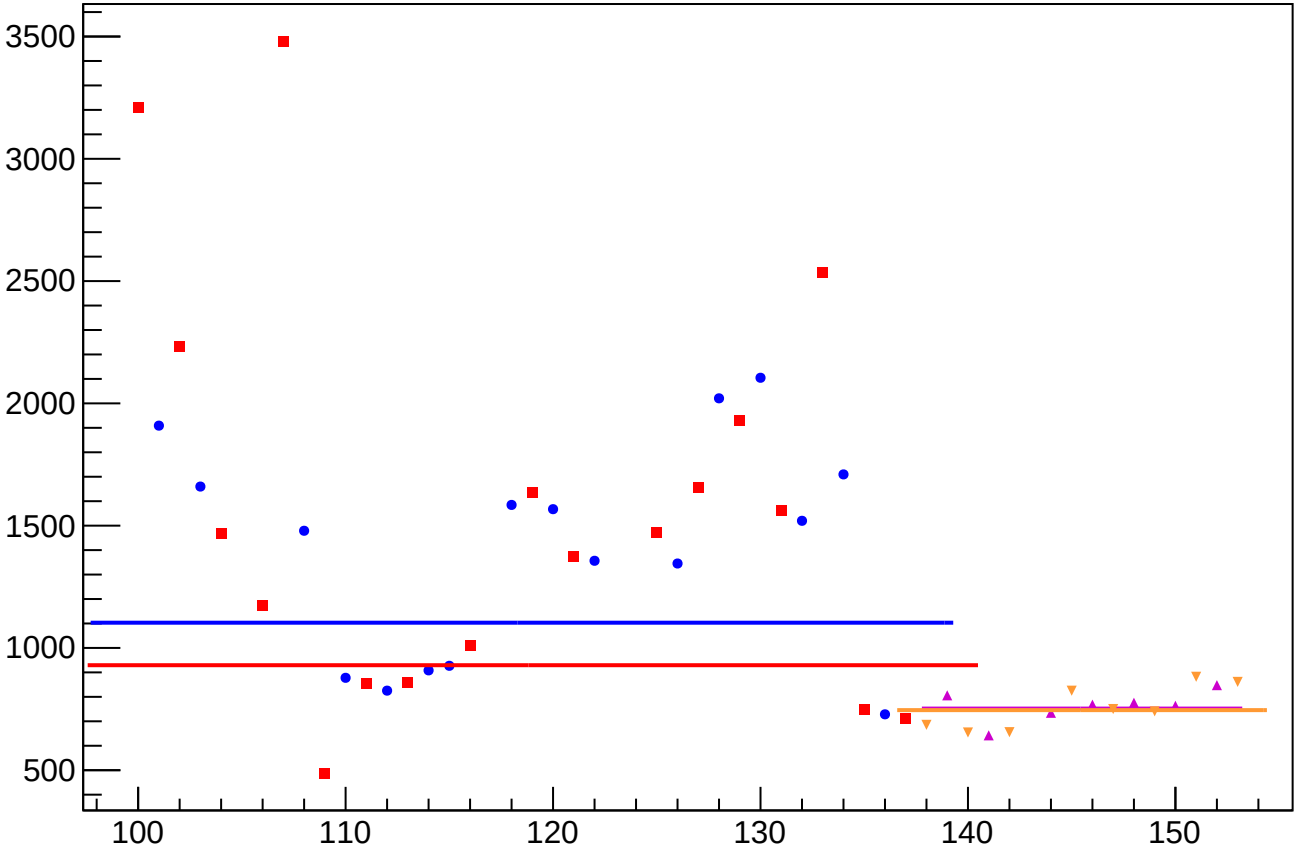
Right: 222.415+/-293.910 χ^2/NDF: 41.8/33

In: -12.016+/-251.317 χ^2/NDF:32.0/22

Out: -88.496+/-239.588 χ^2/NDF:50.0/25

All: -52.082+/-173.413 χ^2/NDF: 82.1/48

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: 745.677+/-0.214 χ^2/NDF:145690.1/7

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

Left In: 752.019+/-0.216 χ^2/NDF:84304.6/6

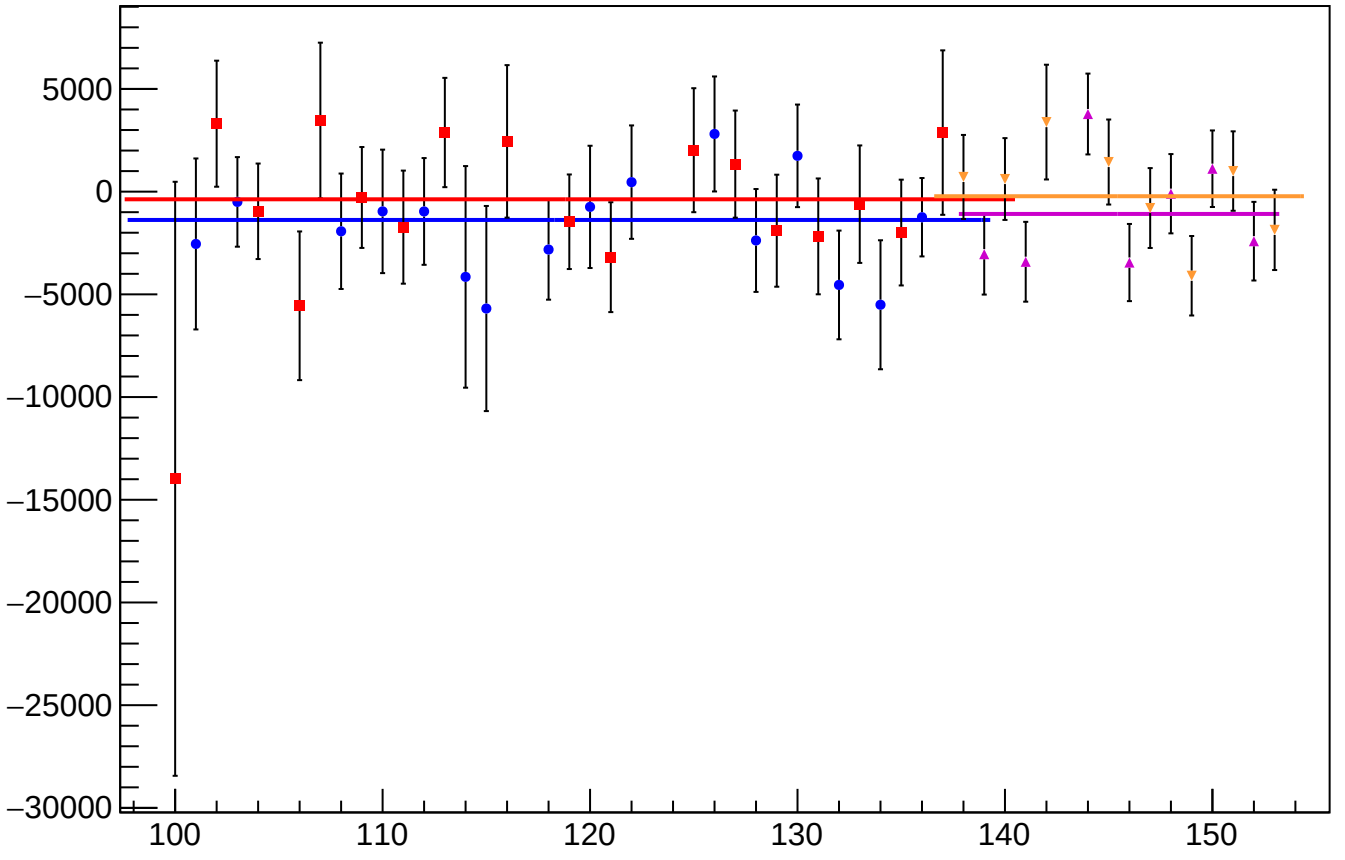
Left: 748.813+/-0.152 χ^2/NDF: 230430.5/14

Right: 1006.170+/-0.208 χ^2/NDF: 5104800.3/33

In: 865.480+/-0.178 χ^2/NDF:2816499.3/22

Out: 813.797+/-0.169 χ^2/NDF:3474052.2/25

All: 838.404+/-0.123 χ^2/NDF: 6334861.1/48



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -223.339+/-722.869 χ^2/NDF:7.9/7

Right Out: -372.534+/-684.408 χ^2/NDF: 12.0/17

Left In: -1085.693+/-726.581 χ^2/NDF:12.3/6

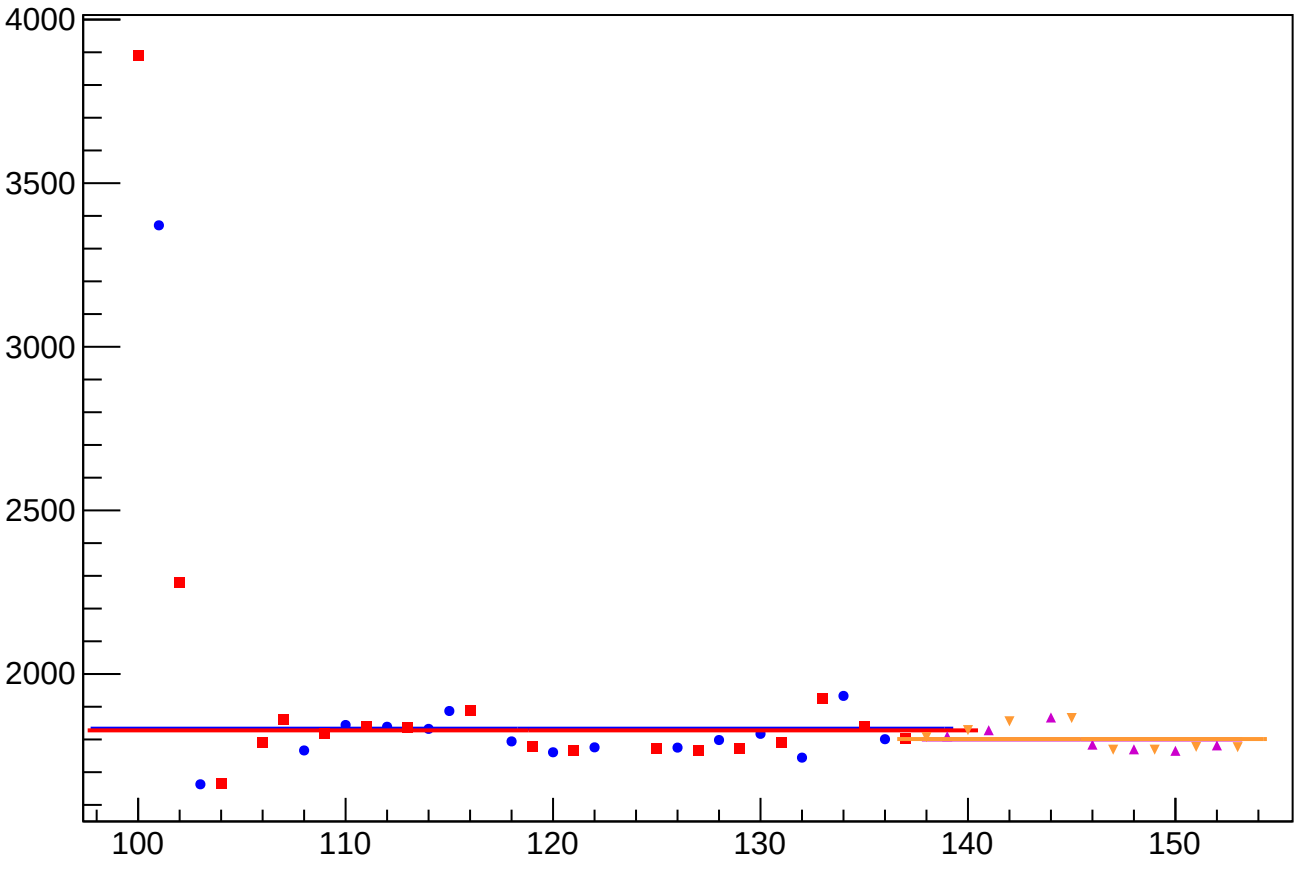
Left: -652.308+/-512.453 χ^2/NDF: 20.9/14

Right: -871.950+/-485.576 χ^2/NDF: 22.3/33

In: -1239.665+/-499.966 χ^2/NDF:21.6/22

Out: -302.011+/-496.991 χ^2/NDF:19.9/25

All: -768.039+/-352.473 χ^2/NDF: 43.3/48



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1801.263+/-0.511 χ^2/NDF:4823.8/7

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1799.992+/-0.514 χ^2/NDF:4299.5/6

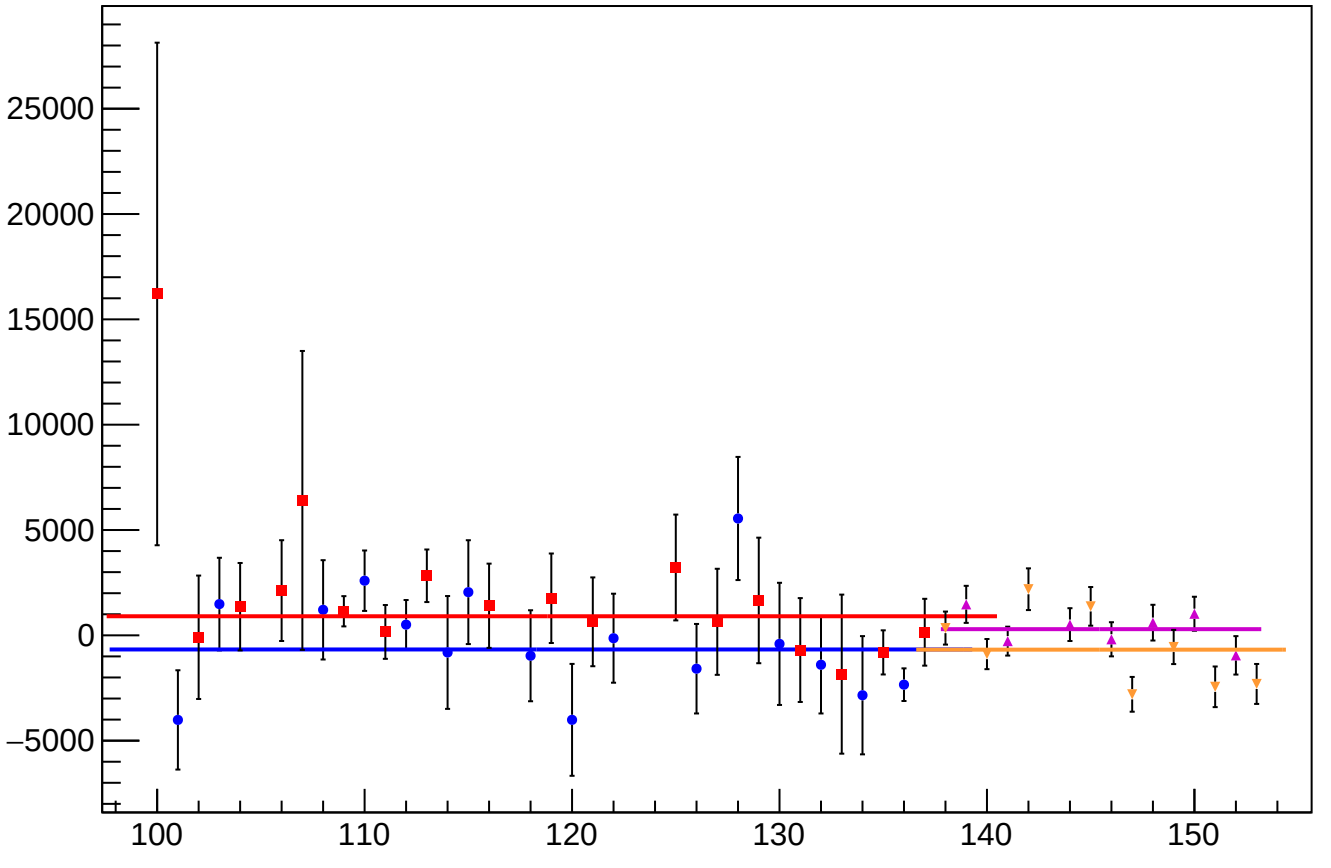
Left: 1800.631+/-0.362 χ^2/NDF: 9126.4/14

Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1817.343+/-0.354 χ^2/NDF:301907.0/22

Out: 1815.248+/-0.351 χ^2/NDF:108513.8/25

All: 1816.289+/-0.249 χ^2/NDF: 410438.4/48



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -679.912+/-302.062 χ^2/NDF:28.1/7

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 293.344+/-305.464 χ^2/NDF:5.7/6

Left: -198.733+/-214.783 χ^2/NDF: 39.0/14

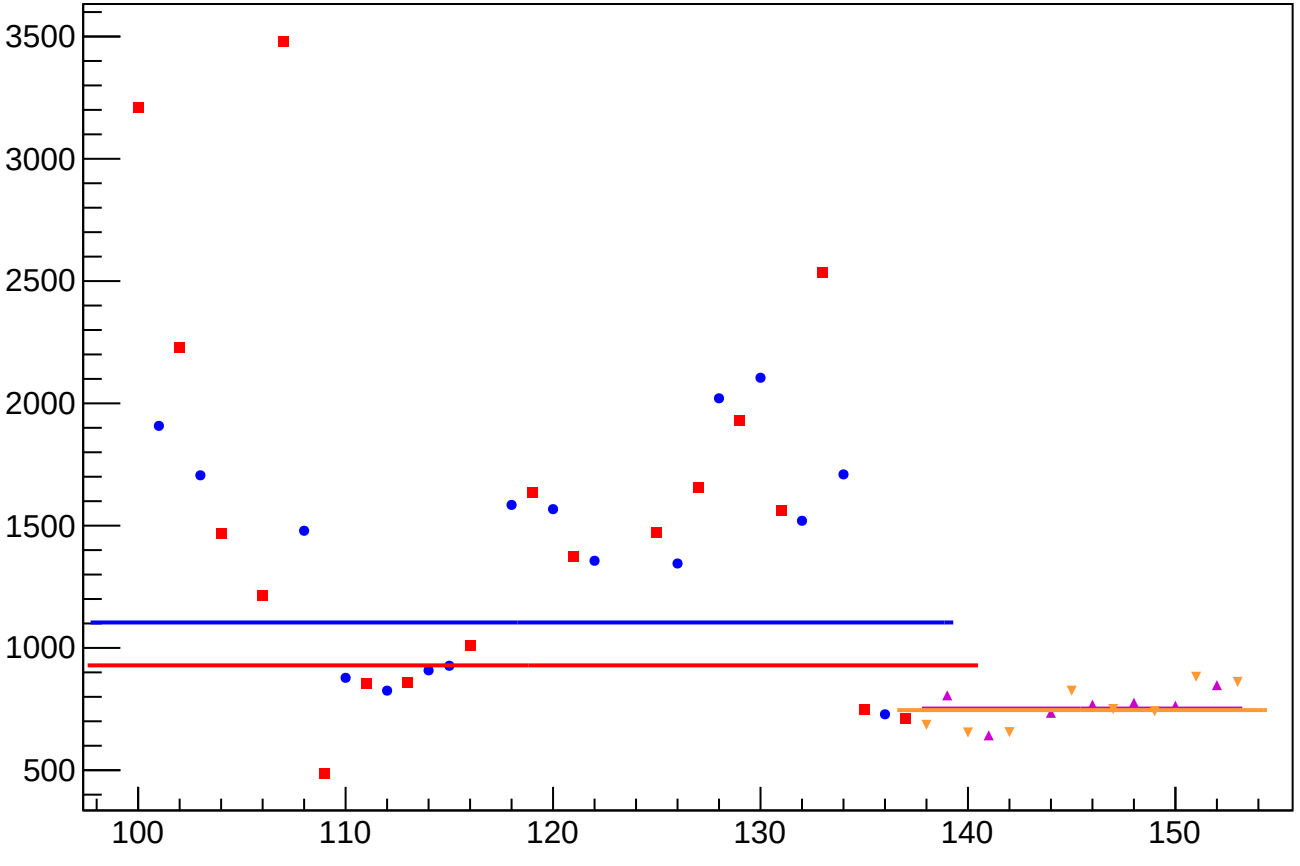
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: -17.733+/-251.385 χ^2/NDF:31.7/22

Out: -94.408+/-239.903 χ^2/NDF:48.8/25

All: -57.862+/-173.554 χ^2/NDF: 80.5/48

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: 745.684+/-0.214 χ^2/NDF:145669.8/7

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 752.019+/-0.216 χ^2/NDF:84328.8/6

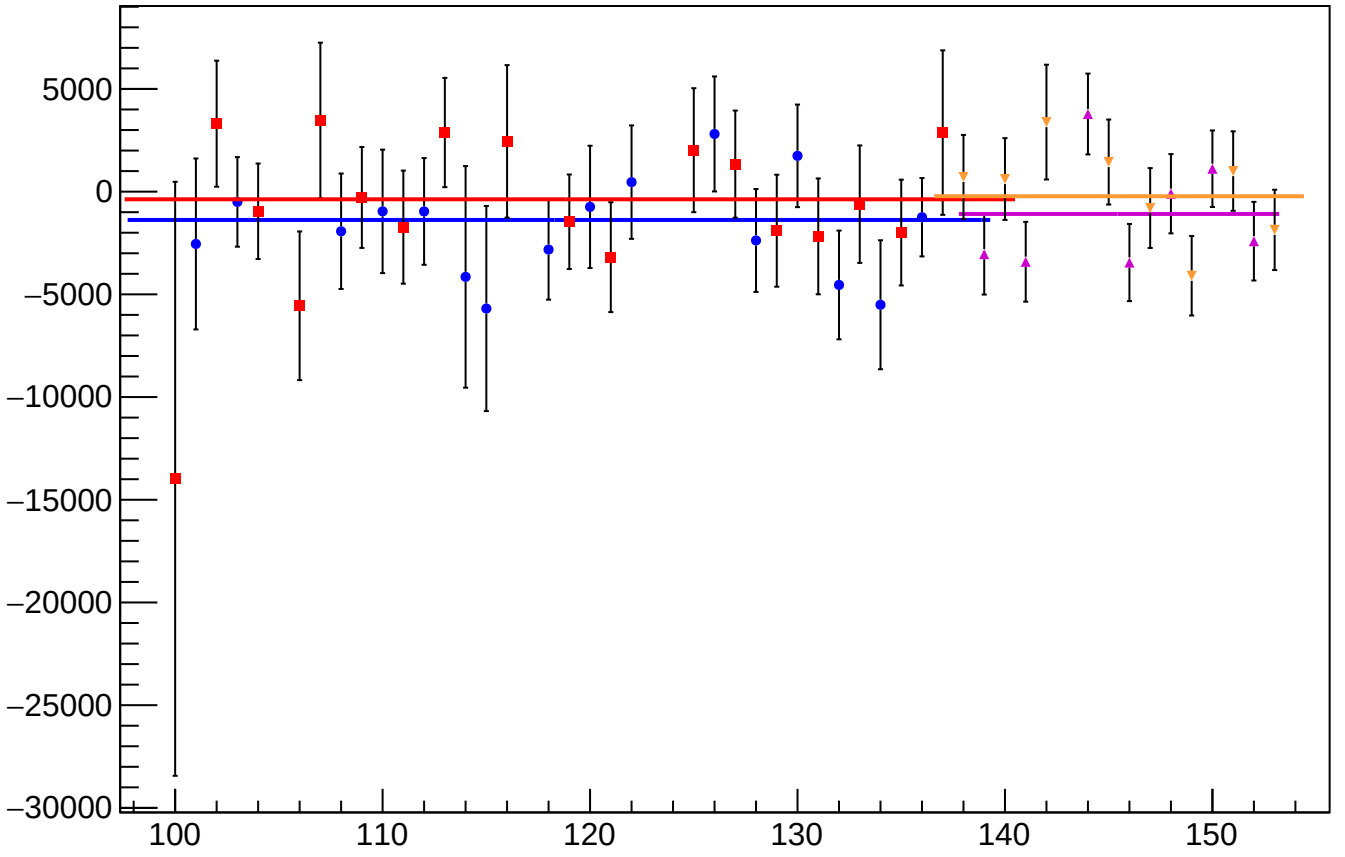
Left: 748.816+/-0.152 χ^2/NDF: 230433.5/14

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 865.648+/-0.178 χ^2/NDF:2836333.2/22

Out: 813.231+/-0.170 χ^2/NDF:3470922.3/25

All: 838.215+/-0.123 χ^2/NDF: 6352764.3/48



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -223.339+/-722.869 χ^2/NDF:7.9/7

Right Out: -372.534+/-684.408 χ^2/NDF: 12.0/17

Left In: -1085.693+/-726.581 χ^2/NDF:12.3/6

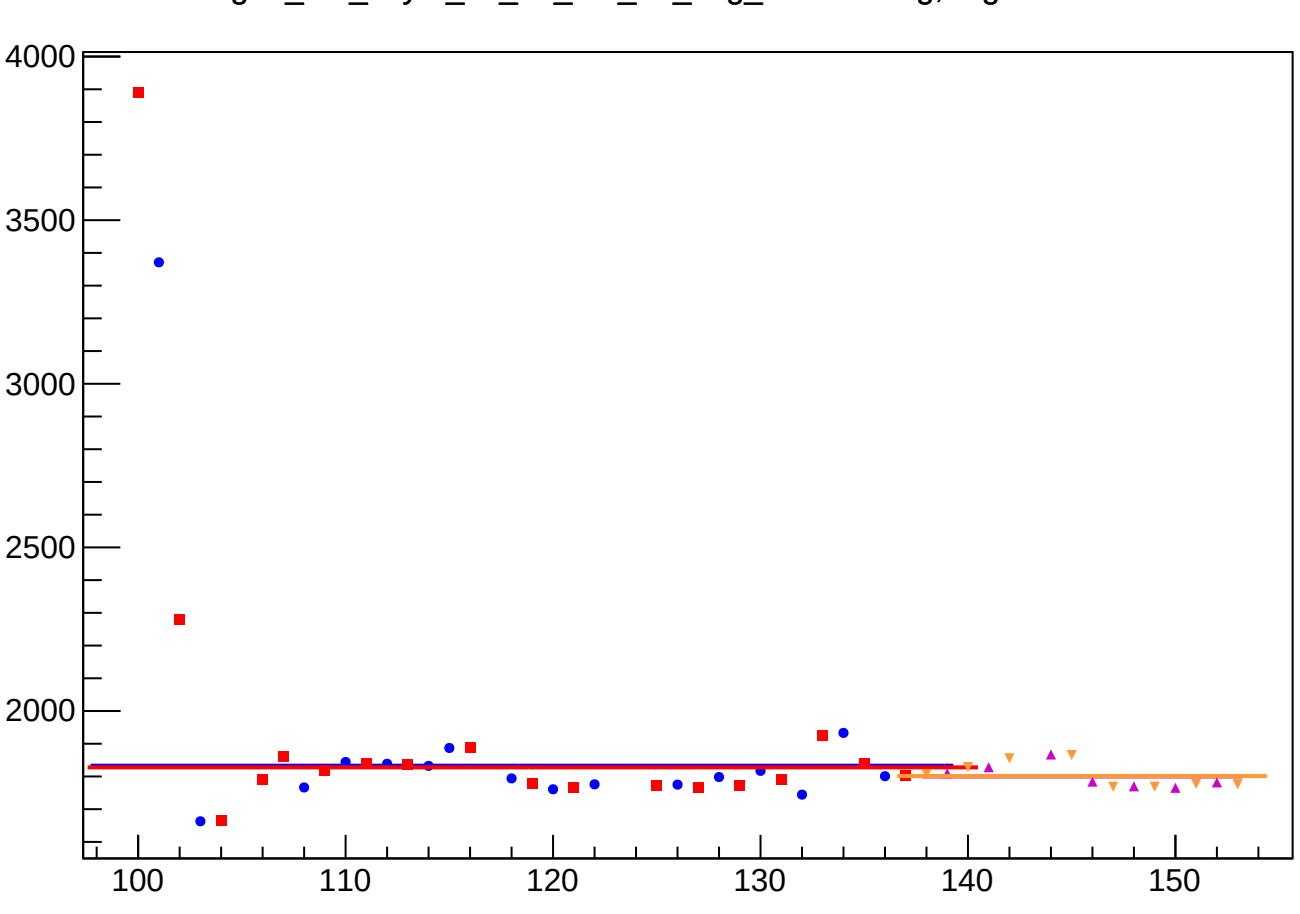
Left: -652.308+/-512.453 χ^2/NDF: 20.9/14

Right: -871.950+/-485.576 χ^2/NDF: 22.3/33

In: -1239.665+/-499.966 χ^2/NDF:21.6/22

Out: -302.011+/-496.991 χ^2/NDF:19.9/25

All: -768.039+/-352.473 χ^2/NDF: 43.3/48



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1801.263+/-0.511 χ^2/NDF:4823.8/7

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1799.992+/-0.514 χ^2/NDF:4299.5/6

Left: 1800.631+/-0.362 χ^2/NDF: 9126.4/14

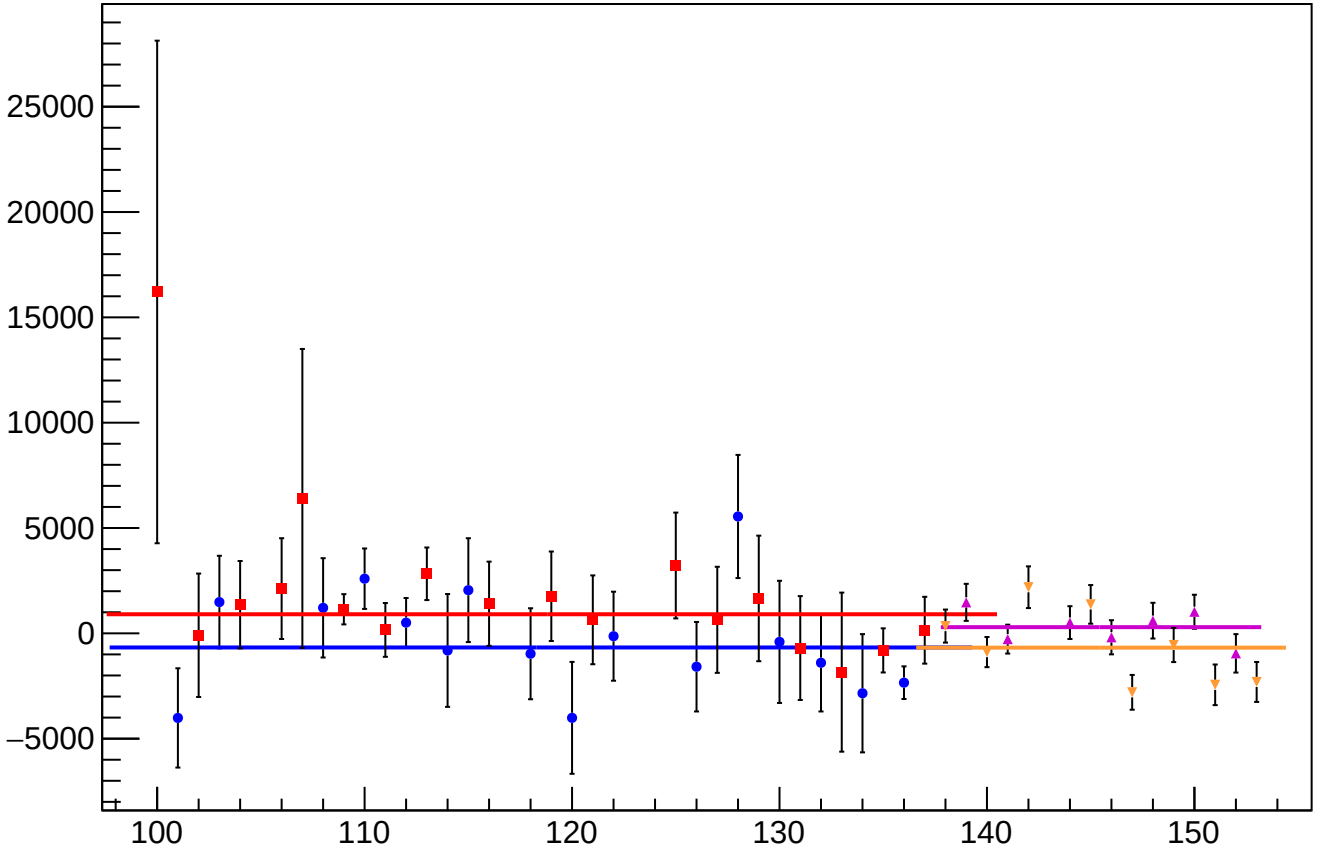
Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1817.343+/-0.354 χ^2/NDF:301907.0/22

Out: 1815.248+/-0.351 χ^2/NDF:108513.8/25

All: 1816.289+/-0.249 χ^2/NDF: 410438.4/48

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -679.912+/-302.062 χ^2/NDF:28.1/7

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 293.344+/-305.464 χ^2/NDF:5.7/6

Left: -198.733+/-214.783 χ^2/NDF: 39.0/14

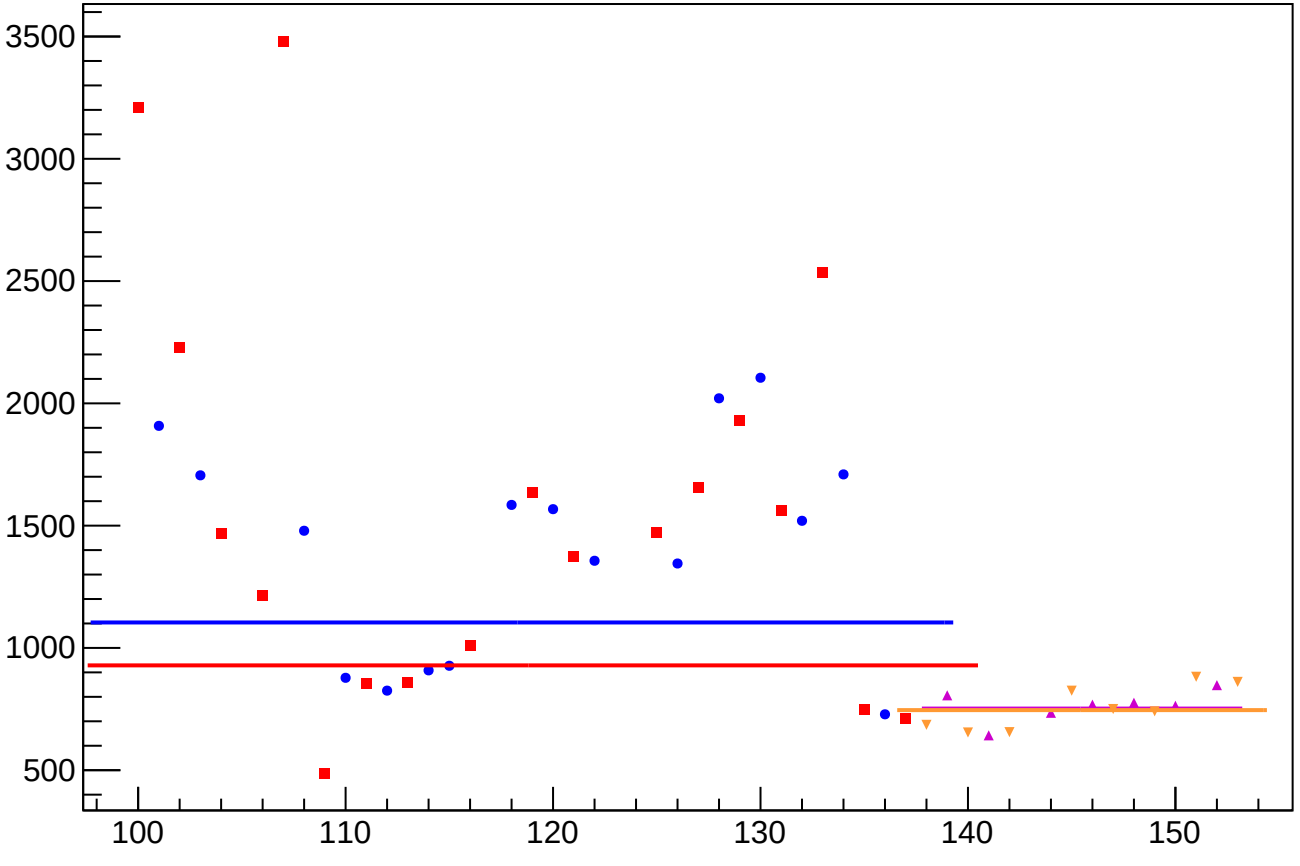
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: -17.733+/-251.385 χ^2/NDF:31.7/22

Out: -94.408+/-239.903 χ^2/NDF:48.8/25

All: -57.862+/-173.554 χ^2/NDF: 80.5/48

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: 745.684+/-0.214 χ^2/NDF:145669.8/7

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 752.019+/-0.216 χ^2/NDF:84328.8/6

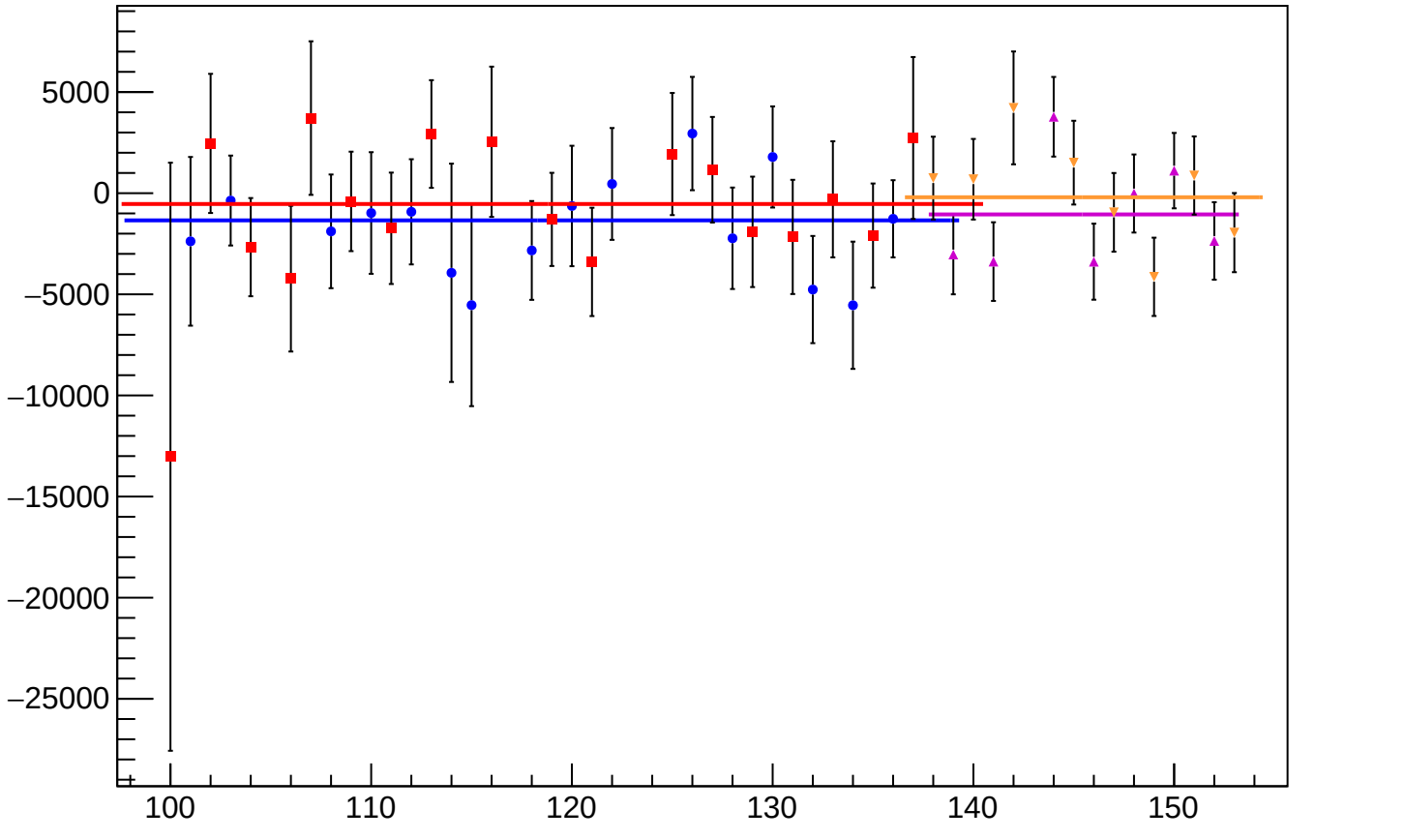
Left: 748.816+/-0.152 χ^2/NDF: 230433.5/14

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 865.648+/-0.178 χ^2/NDF:2836333.2/22

Out: 813.231+/-0.170 χ^2/NDF:3470922.3/25

All: 838.215+/-0.123 χ^2/NDF: 6352764.3/48



Right In: -1343.952+/-690.940 χ^2/NDF: 9.6/15

Left Out: -201.138+/-723.271 χ^2/NDF:9.0/7

Right Out: -534.194+/-690.970 χ^2/NDF: 11.1/17

Left In: -1049.971+/-727.066 χ^2/NDF:12.1/6

Left: -623.333+/-512.766 χ^2/NDF: 21.8/14

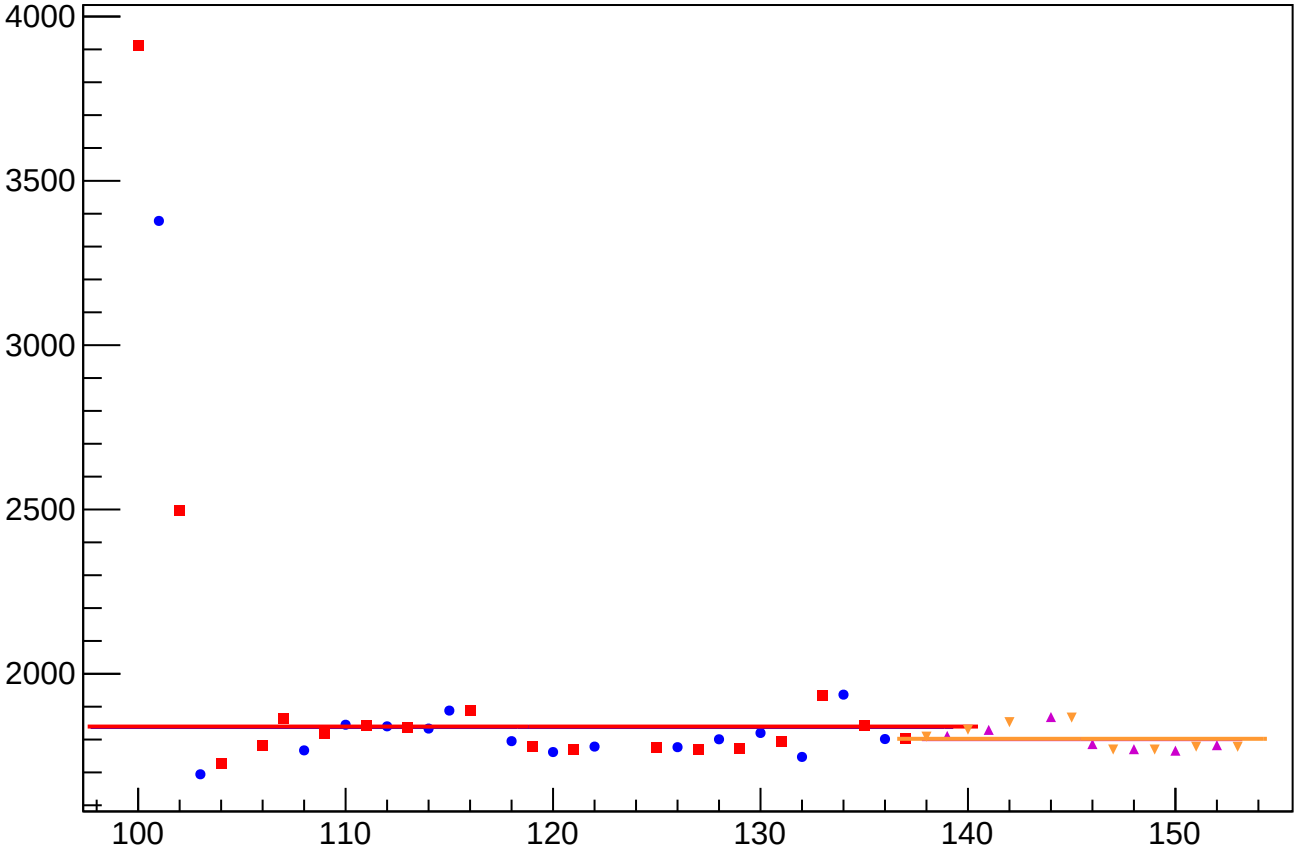
Right: -939.091+/-488.579 χ^2/NDF: 21.4/33

In: -1204.446+/-500.853 χ^2/NDF:21.8/22

Out: -375.269+/-499.619 χ^2/NDF:20.2/25

All: -788.835+/-353.719 χ^2/NDF: 43.4/48

dit_asym_us_dd_atlr_dd_avg_rms vs Slug, Sign Corrected



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1802.247+/-0.511 χ^2/NDF:4751.3/7

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1801.190+/-0.514 χ^2/NDF:4321.6/6

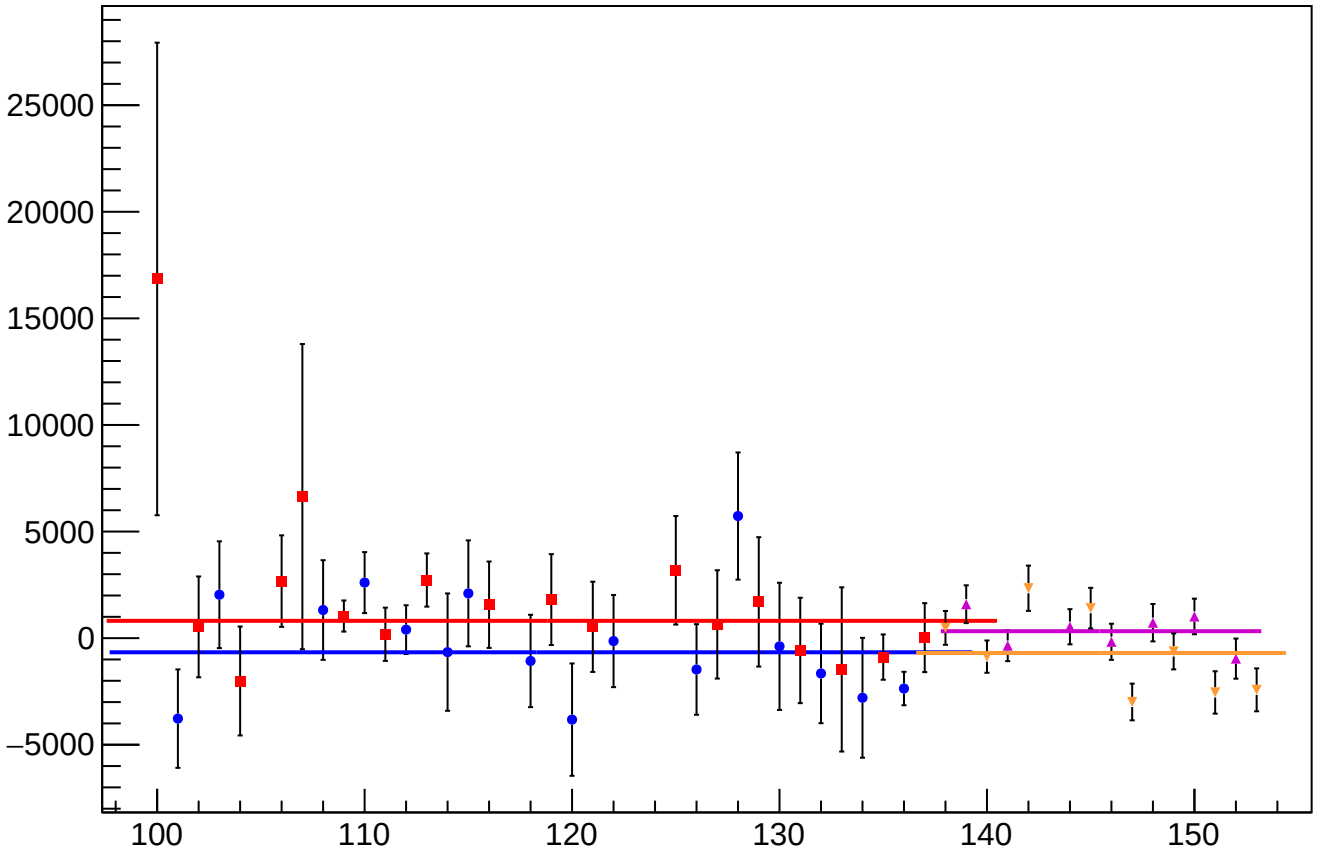
Left: 1801.721+/-0.363 χ^2/NDF: 9075.0/14

Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1820.616+/-0.354 χ^2/NDF:299022.7/22

Out: 1821.733+/-0.353 χ^2/NDF:135781.4/25

All: 1821.176+/-0.250 χ^2/NDF: 434809.1/48



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -695.400+/-314.972 χ^2/NDF:28.9/7

Right Out: 812.187+/-397.187 χ^2/NDF: 12.2/17

Left In: 326.872+/-318.092 χ^2/NDF:6.1/6

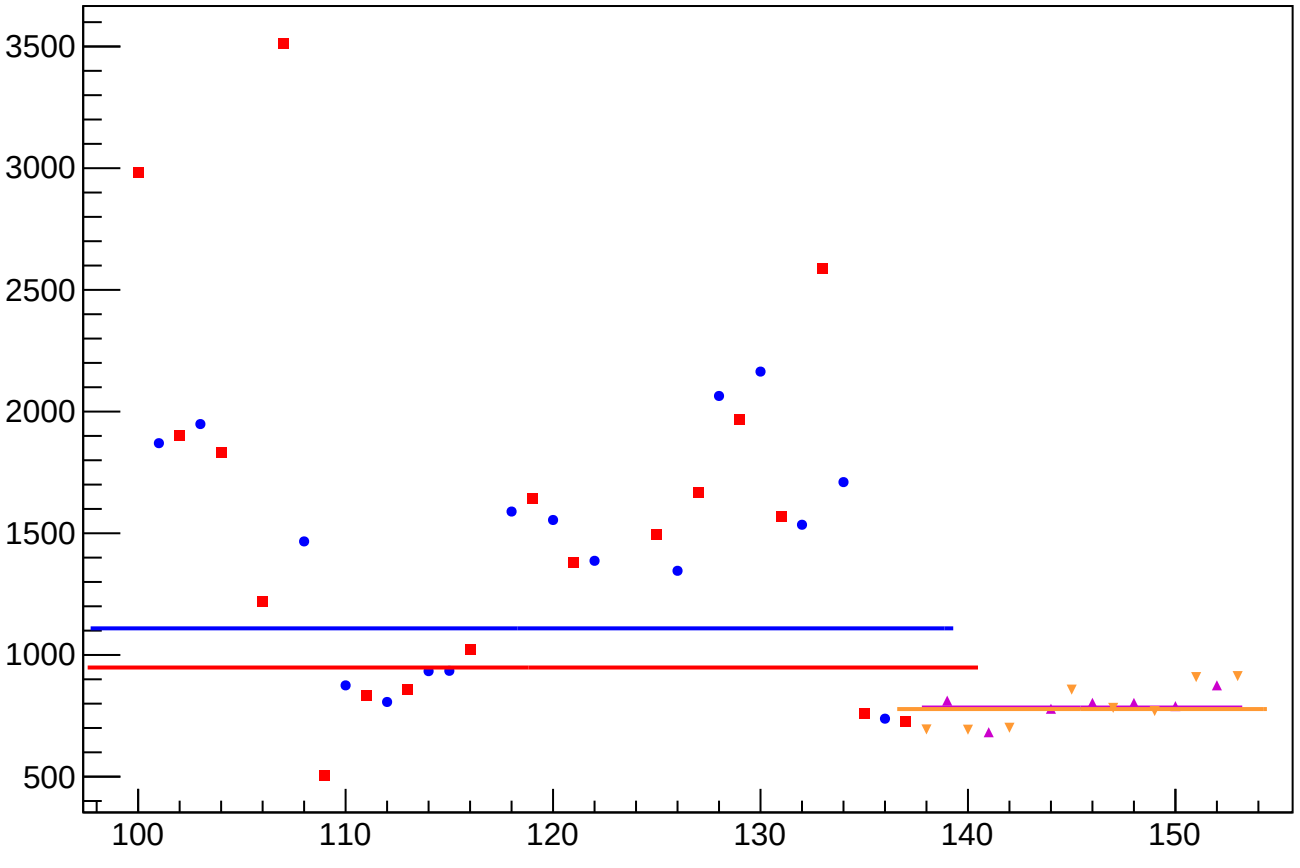
Left: -189.301+/-223.814 χ^2/NDF: 40.2/14

Right: 159.335+/-296.587 χ^2/NDF: 41.1/33

In: -7.139+/-258.955 χ^2/NDF:32.1/22

Out: -113.359+/-246.792 χ^2/NDF:50.0/25

All: -62.802+/-178.653 χ^2/NDF: 82.1/48



Right In: 1109.362+/-0.315 χ^2/NDF: 1973363.9/15

Left Out: 777.759+/-0.223 χ^2/NDF:143167.6/7

Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 784.075+/-0.225 χ^2/NDF:61809.9/6

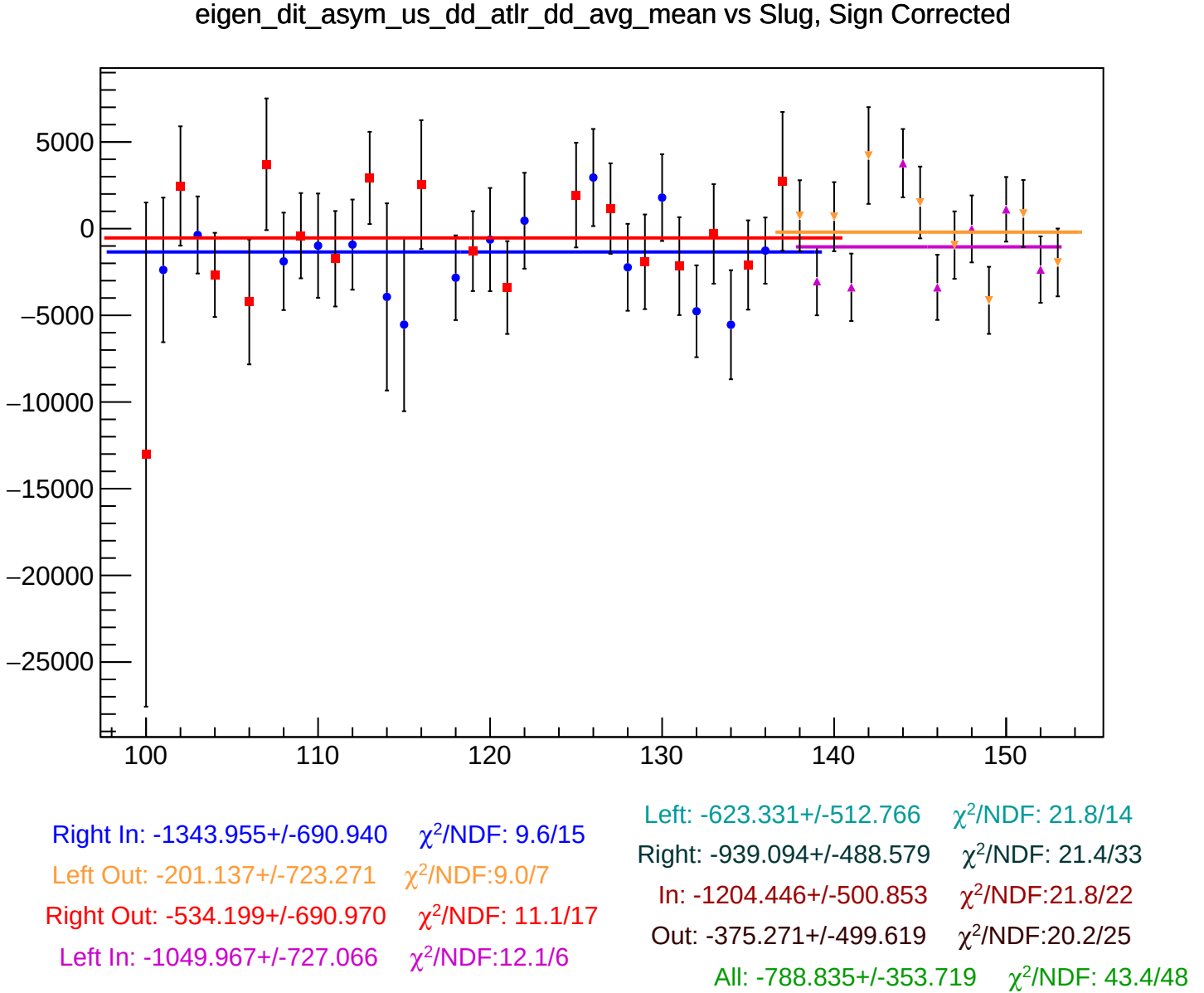
Left: 780.886+/-0.158 χ^2/NDF: 205375.8/14

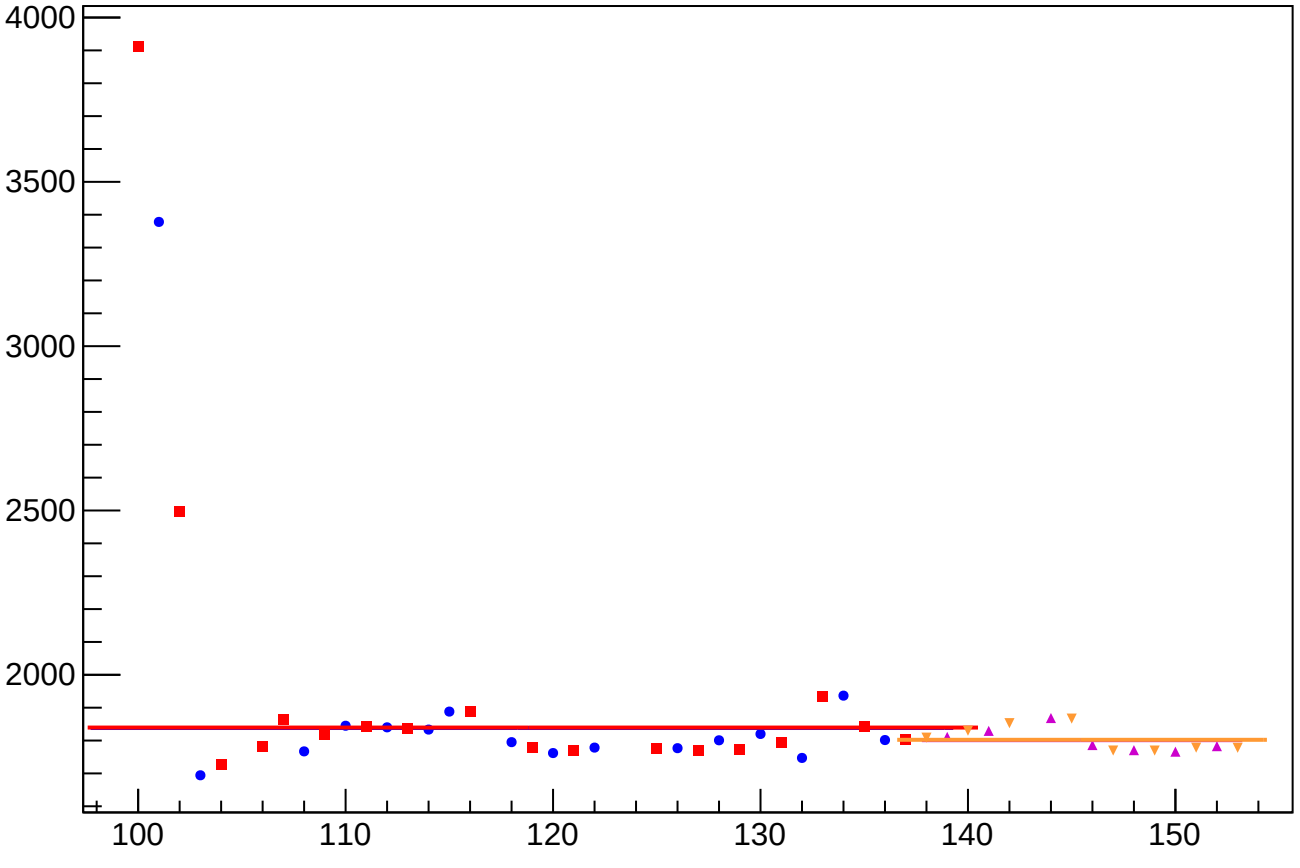
Right: 1019.632+/-0.210 χ^2/NDF: 5172280.0/33

In: 893.782+/-0.183 χ^2/NDF:2740552.4/22

Out: 843.654+/-0.175 χ^2/NDF:3423573.2/25

All: 867.513+/-0.126 χ^2/NDF: 6203399.9/48


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
Right In: -1343.955+/-690.940 χ²/NDF: 9.6/15
Left Out: -201.137+/-723.271 χ²/NDF:9.0/7
Right Out: -534.199+/-690.970 χ²/NDF: 11.1/17
Left In: -1049.967+/-727.066 χ²/NDF:12.1/6
Left: -623.331+/-512.766 χ²/NDF: 21.8/14
Right: -939.094+/-488.579 χ²/NDF: 21.4/33
In: -1204.446+/-500.853 χ²/NDF:21.8/22
Out: -375.271+/-499.619 χ²/NDF:20.2/25
All: -788.835+/-353.719 χ²/NDF: 43.4/48



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1802.247+/-0.511 χ^2/NDF:4751.3/7

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1801.190+/-0.514 χ^2/NDF:4321.6/6

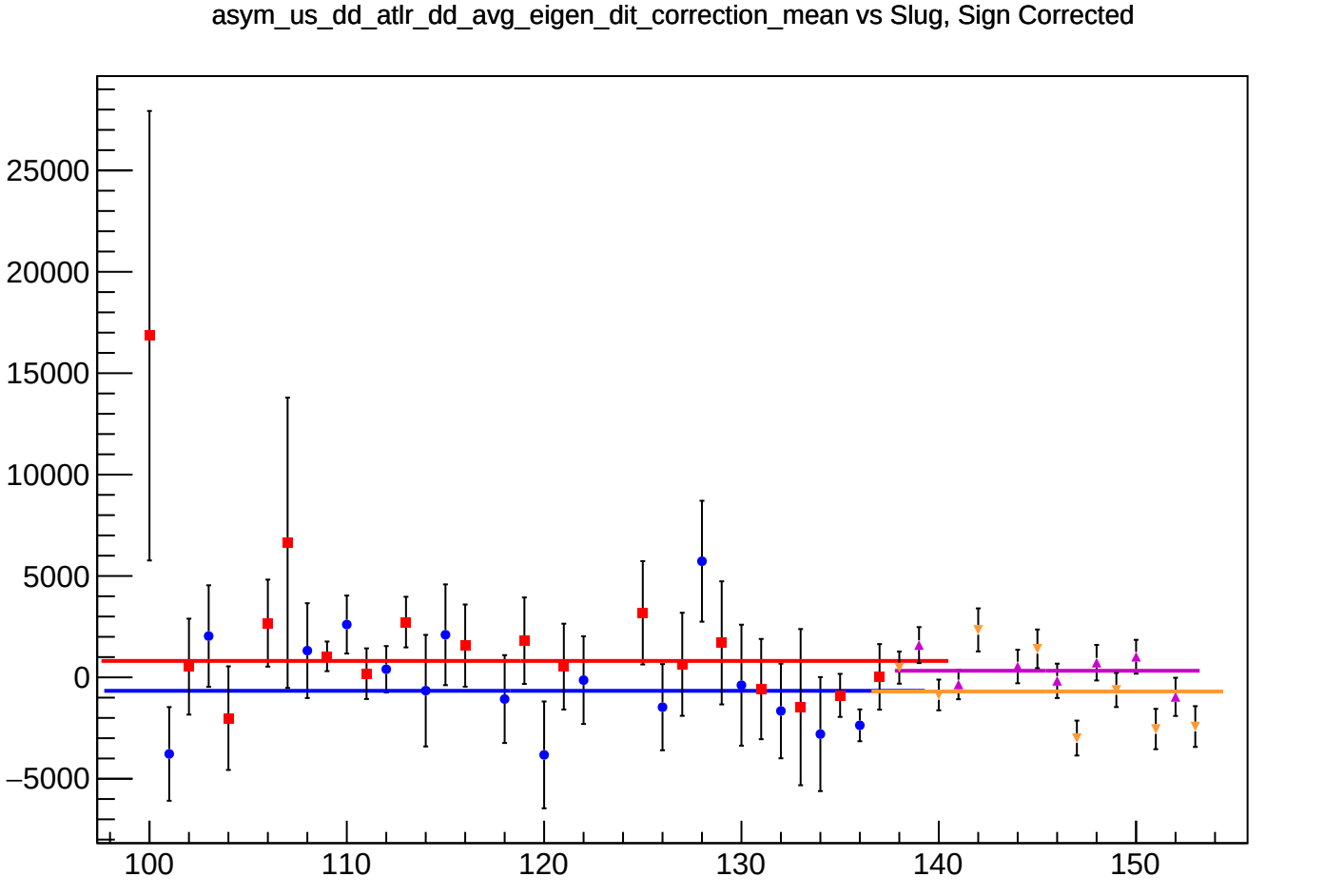
Left: 1801.721+/-0.363 χ^2/NDF: 9075.0/14

Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1820.616+/-0.354 χ^2/NDF:299022.7/22

Out: 1821.733+/-0.353 χ^2/NDF:135781.5/25

All: 1821.176+/-0.250 χ^2/NDF: 434809.2/48



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: -695.408+/-314.974 χ^2/NDF:28.9/7

Right Out: 812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: 326.870+/-318.093 χ^2/NDF:6.1/6

Left: -189.305+/-223.815 χ^2/NDF: 40.2/14

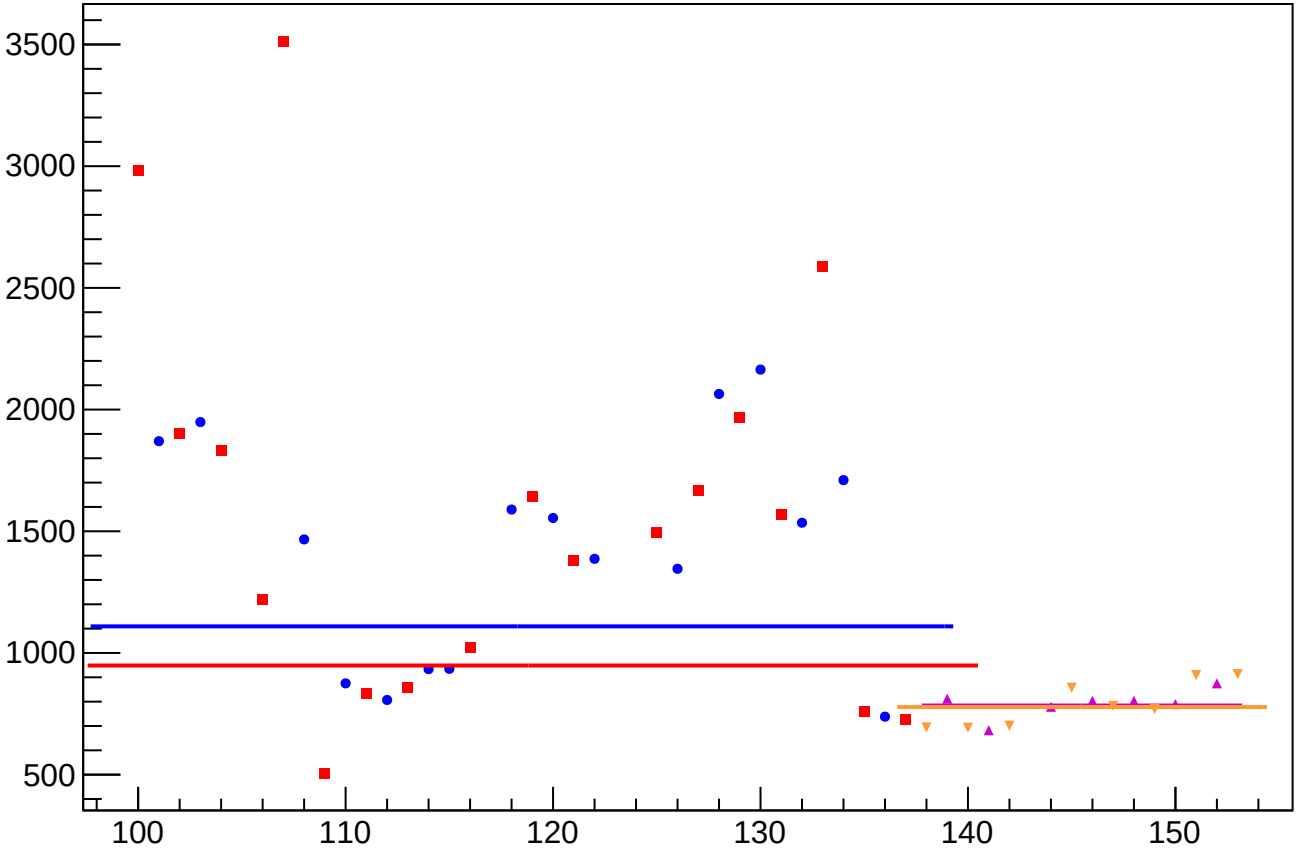
Right: 159.344+/-296.588 χ^2/NDF: 41.1/33

In: -7.136+/-258.955 χ^2/NDF:32.1/22

Out: -113.360+/-246.792 χ^2/NDF:50.0/25

All: -62.801+/-178.654 χ^2/NDF: 82.1/48

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: 777.762+/-0.223 χ^2/NDF:143155.6/7

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

Left In: 784.077+/-0.225 χ^2/NDF:61809.9/6

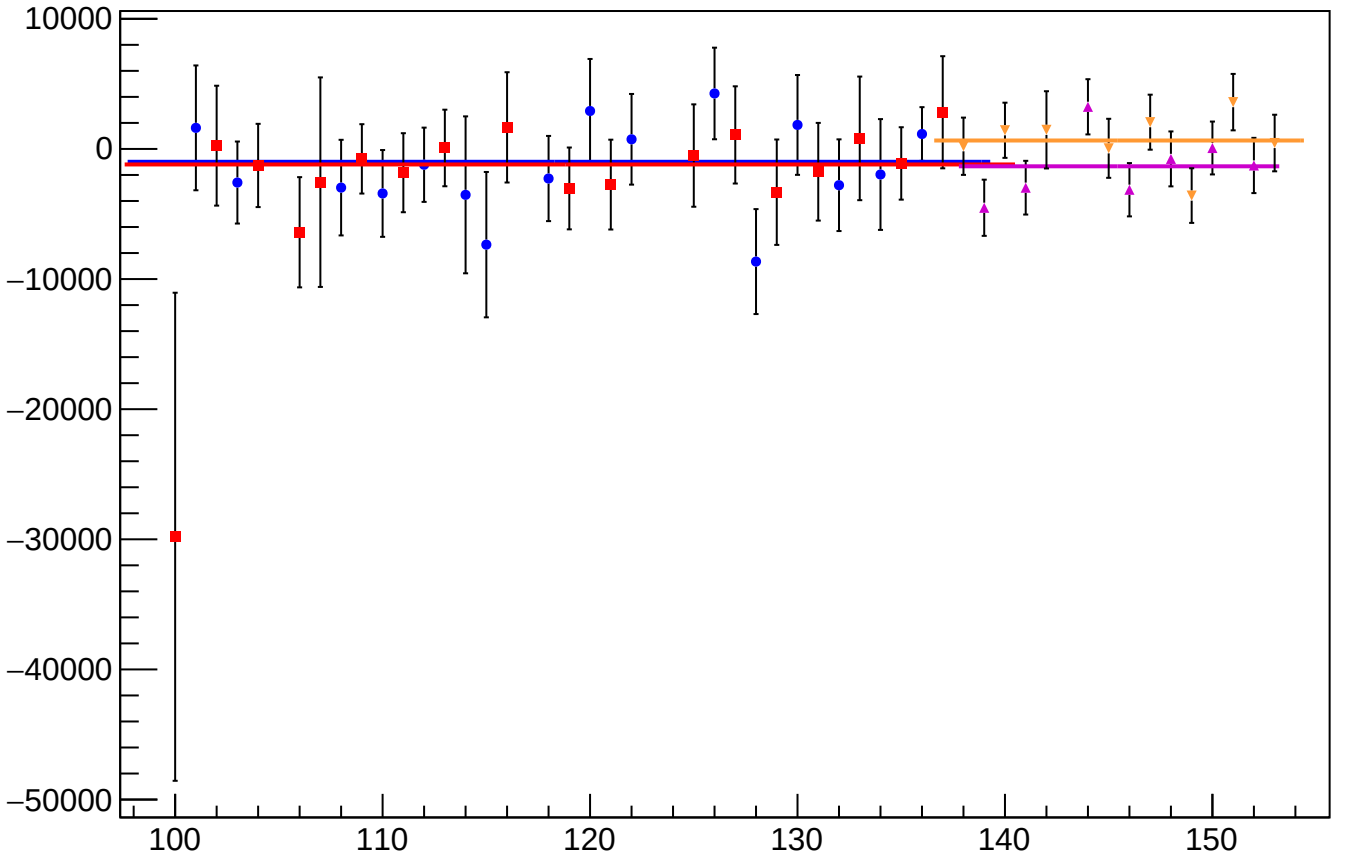
Left: 780.888+/-0.158 χ^2/NDF: 205363.4/14

Right: 1019.635+/-0.210 χ^2/NDF: 5172215.4/33

In: 893.784+/-0.183 χ^2/NDF:2740518.6/22

Out: 843.657+/-0.175 χ^2/NDF:3423530.9/25

All: 867.516+/-0.126 χ^2/NDF: 6203321.2/48



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 648.913+/-787.642 χ^2/NDF:6.7/7

Right Out: -1192.173+/-870.432 χ^2/NDF: 7.0/17

Left In: -1334.595+/-791.001 χ^2/NDF:8.8/6

Left: -338.621+/-558.131 χ^2/NDF: 18.6/14

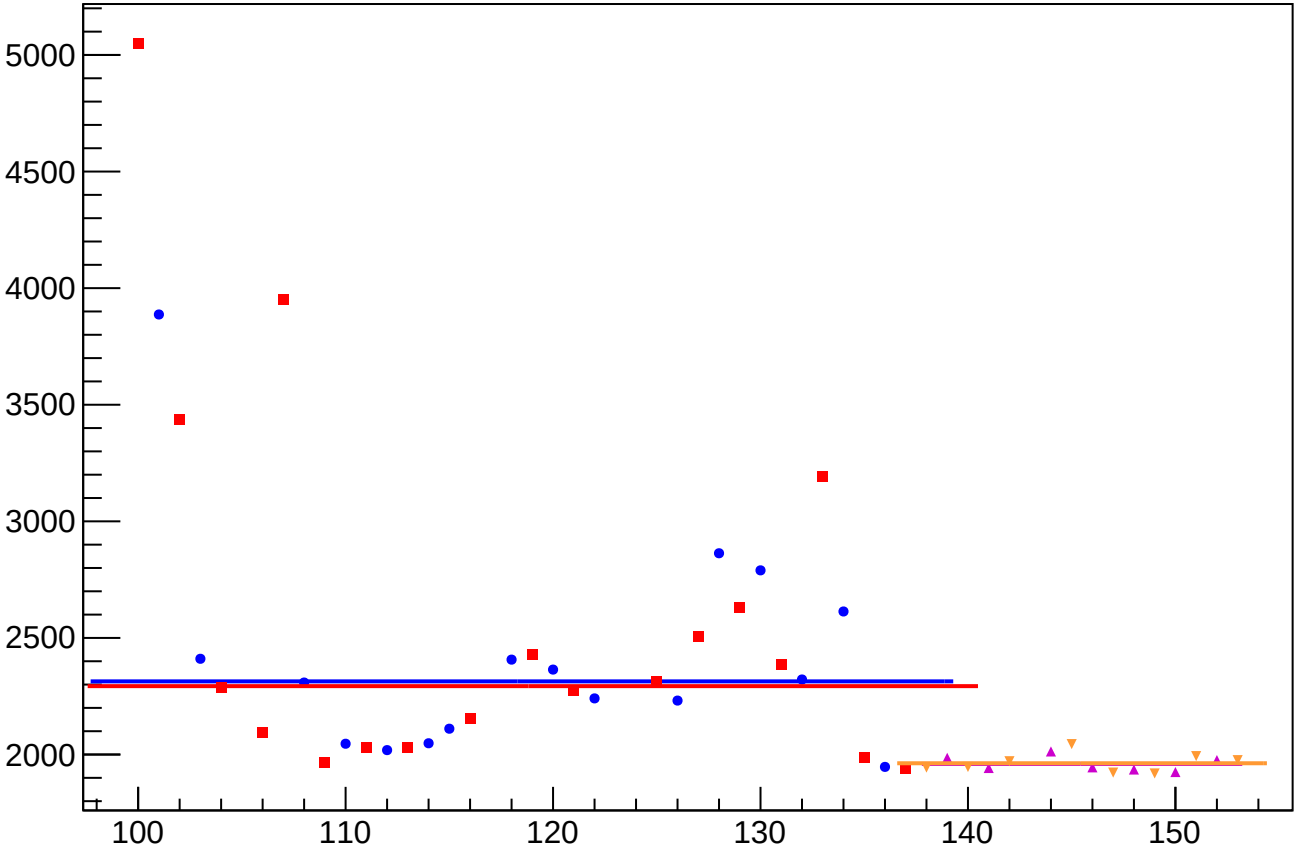
Right: -1090.252+/-616.690 χ^2/NDF: 19.0/33

In: -1178.290+/-586.427 χ^2/NDF:20.9/22

Out: -179.930+/-584.029 χ^2/NDF:16.1/25

All: -677.064+/-413.816 χ^2/NDF: 38.4/48

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: 1962.550+/-0.557 χ^2/NDF:4951.5/7

Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1959.564+/-0.559 χ^2/NDF:2777.0/6

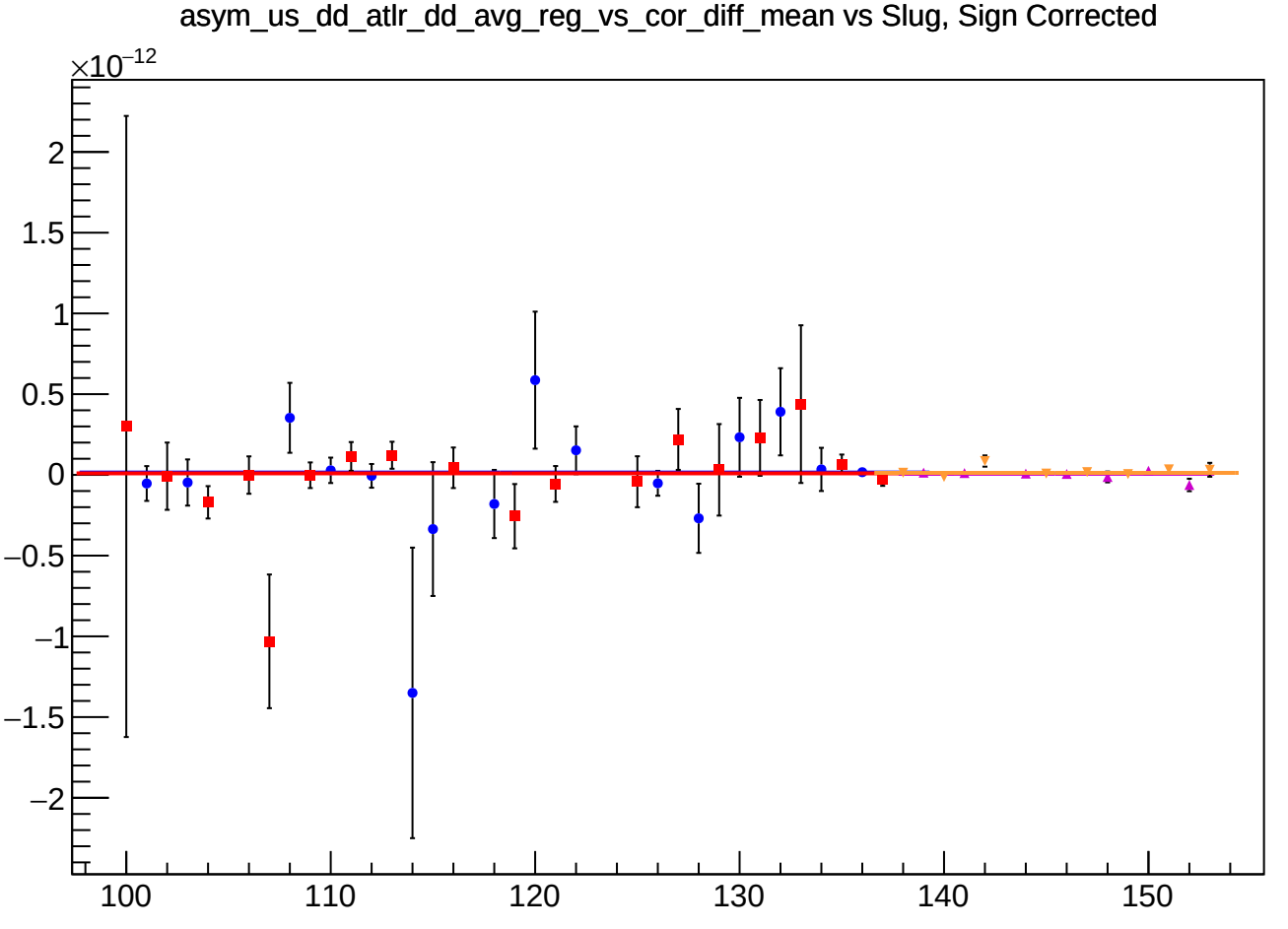
Left: 1961.063+/-0.395 χ^2/NDF: 7742.9/14

Right: 2303.467+/-0.436 χ^2/NDF: 856509.6/33

In: 2119.073+/-0.415 χ^2/NDF:586119.0/22

Out: 2111.441+/-0.413 χ^2/NDF:616900.5/25

All: 2115.241+/-0.293 χ^2/NDF: 1203189.7/48



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: 0.000+/-0.000 χ^2/NDF:4.3/6

Left: 0.000+/-0.000 χ^2/NDF: 11.9/14

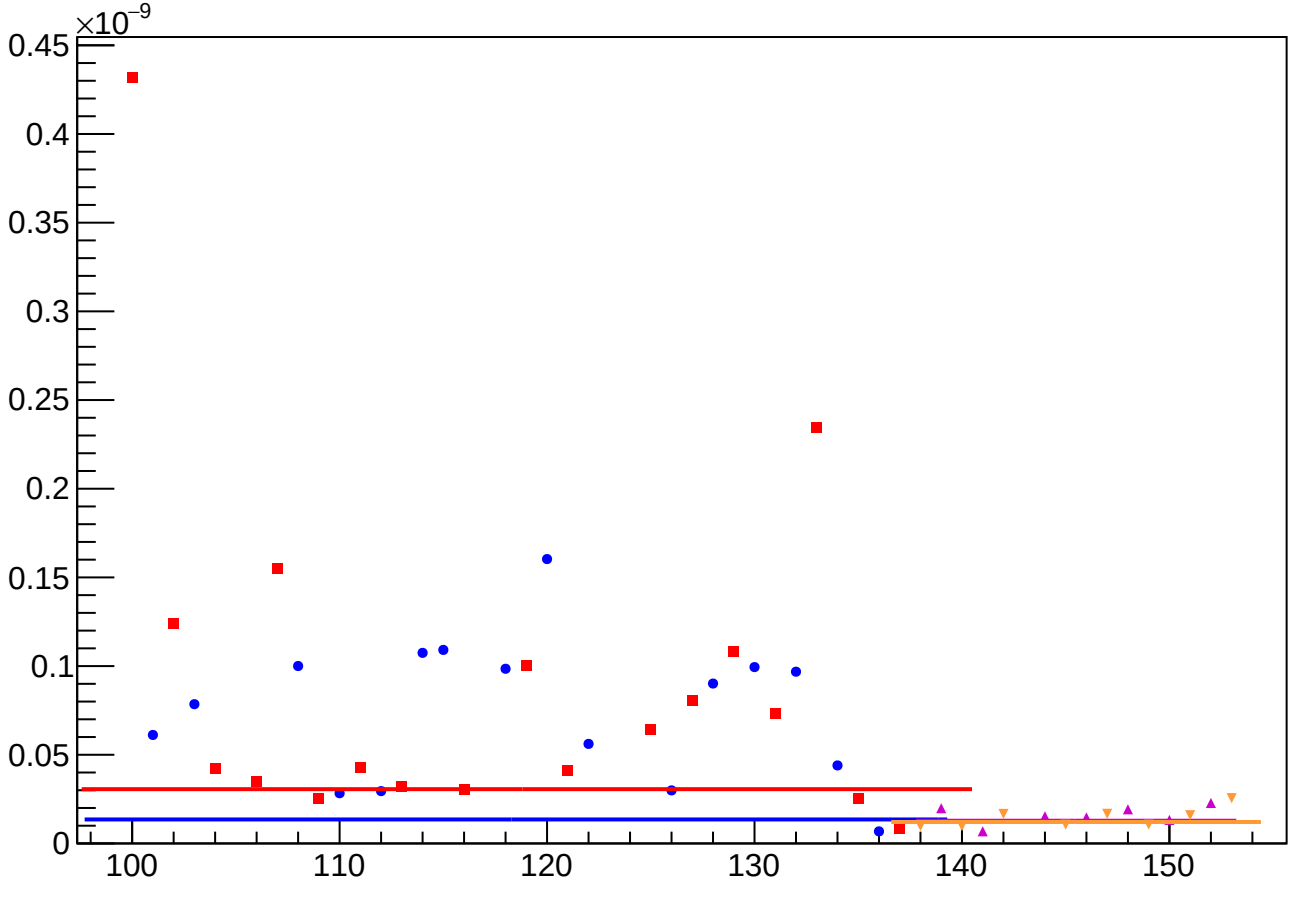
Right: 0.000+/-0.000 χ^2/NDF: 34.5/33

In: 0.000+/-0.000 χ^2/NDF:19.5/22

Out: 0.000+/-0.000 χ^2/NDF:26.9/25

All: 0.000+/-0.000 χ^2/NDF: 46.5/48

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3416094.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:393413.6/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:695692.0/6

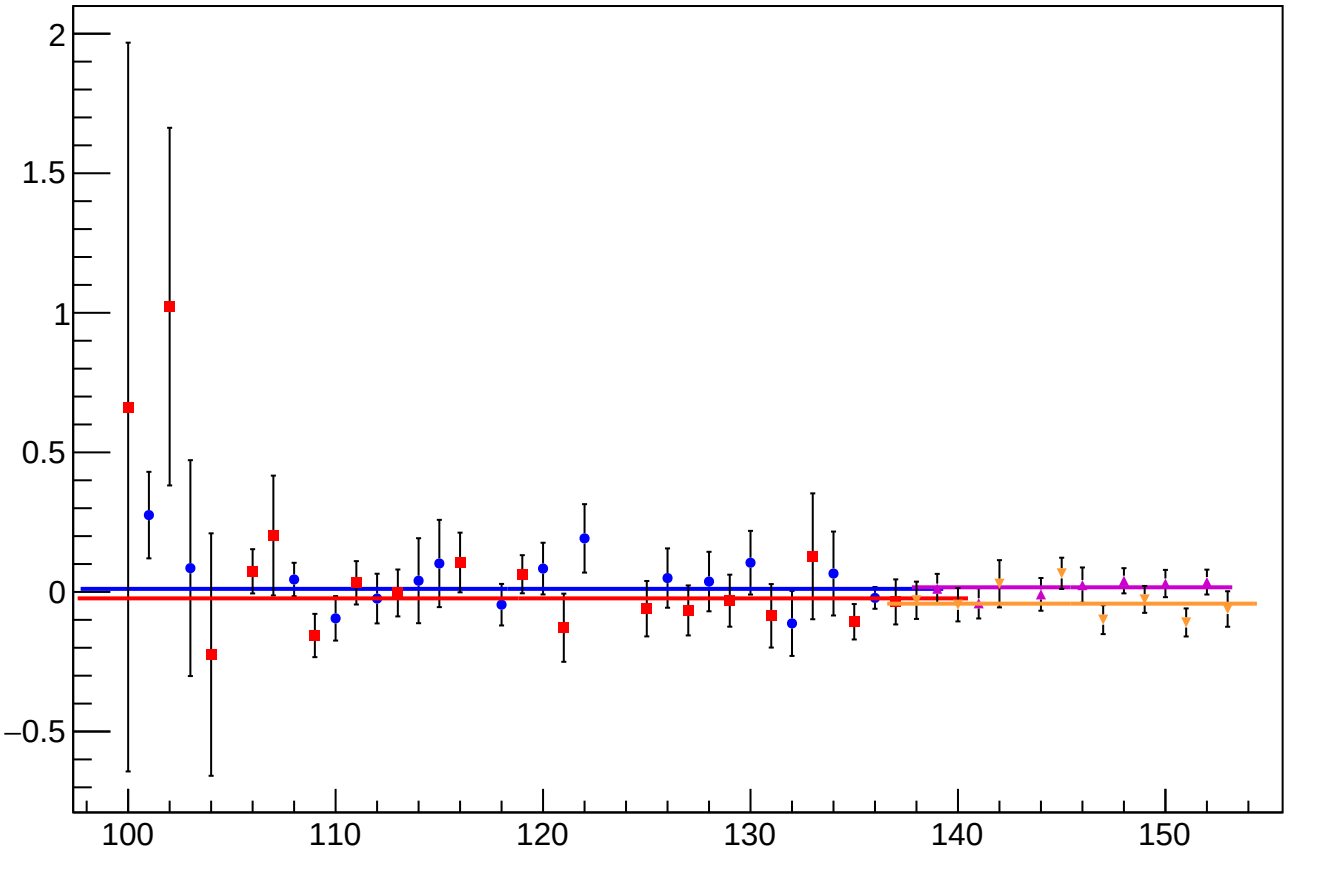
Left: 0.000+/-0.000 χ^2/NDF: 1095717.9/14

Right: 0.000+/-0.000 χ^2/NDF: 6517274.2/33

In: 0.000+/-0.000 χ^2/NDF:4115502.0/22

Out: 0.000+/-0.000 χ^2/NDF:3792464.2/25

All: 0.000+/-0.000 χ^2/NDF: 7928892.9/48



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.020 χ^2/NDF:7.7/7

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.017+/-0.019 χ^2/NDF:1.8/6

Left: -0.011+/-0.014 χ^2/NDF: 13.9/14

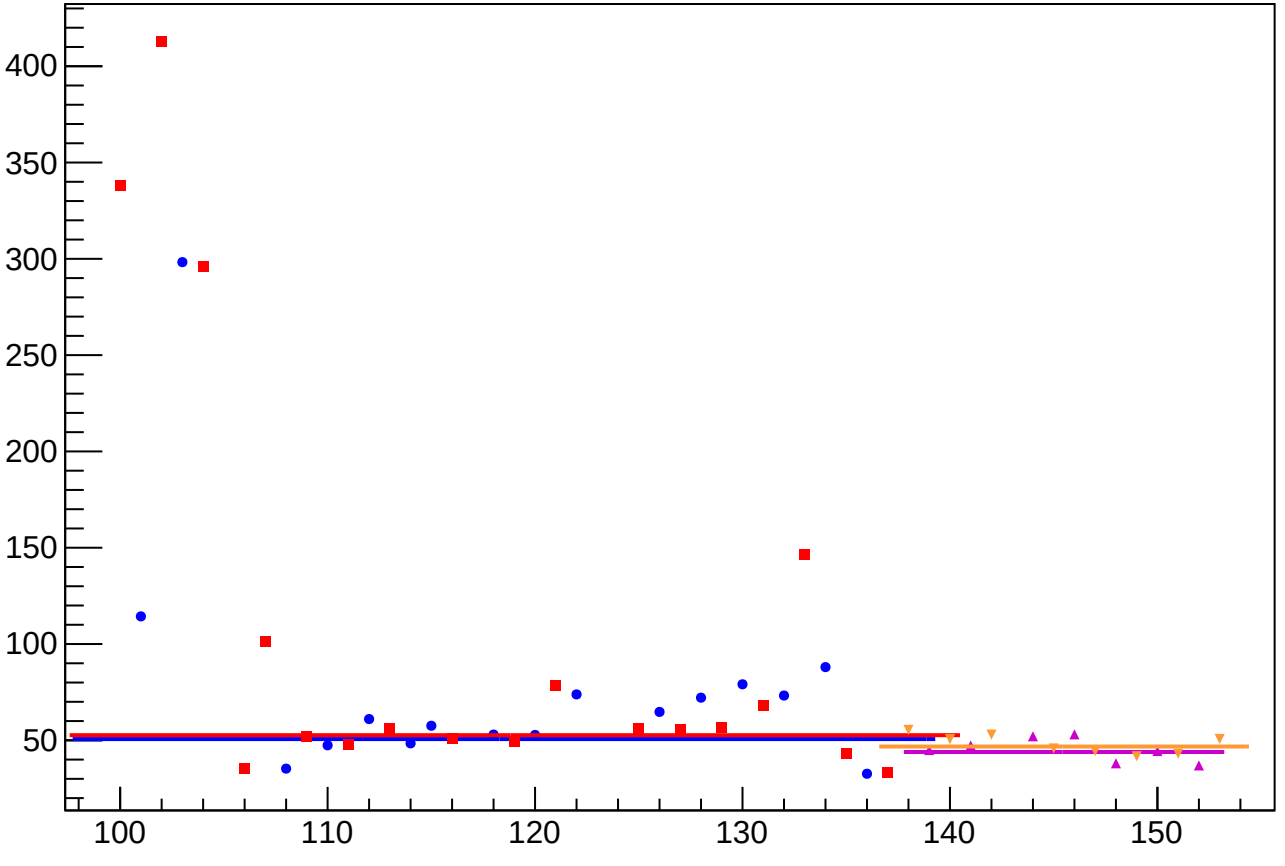
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.014+/-0.015 χ^2/NDF:13.6/22

Out: -0.034+/-0.015 χ^2/NDF:24.0/25

All: -0.009+/-0.011 χ^2/NDF: 42.8/48

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: 46.781+/-0.014 χ^2/NDF:97419.2/7

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 43.936+/-0.014 χ^2/NDF:171917.4/6

Left: 45.291+/-0.010 χ^2/NDF: 289744.0/14

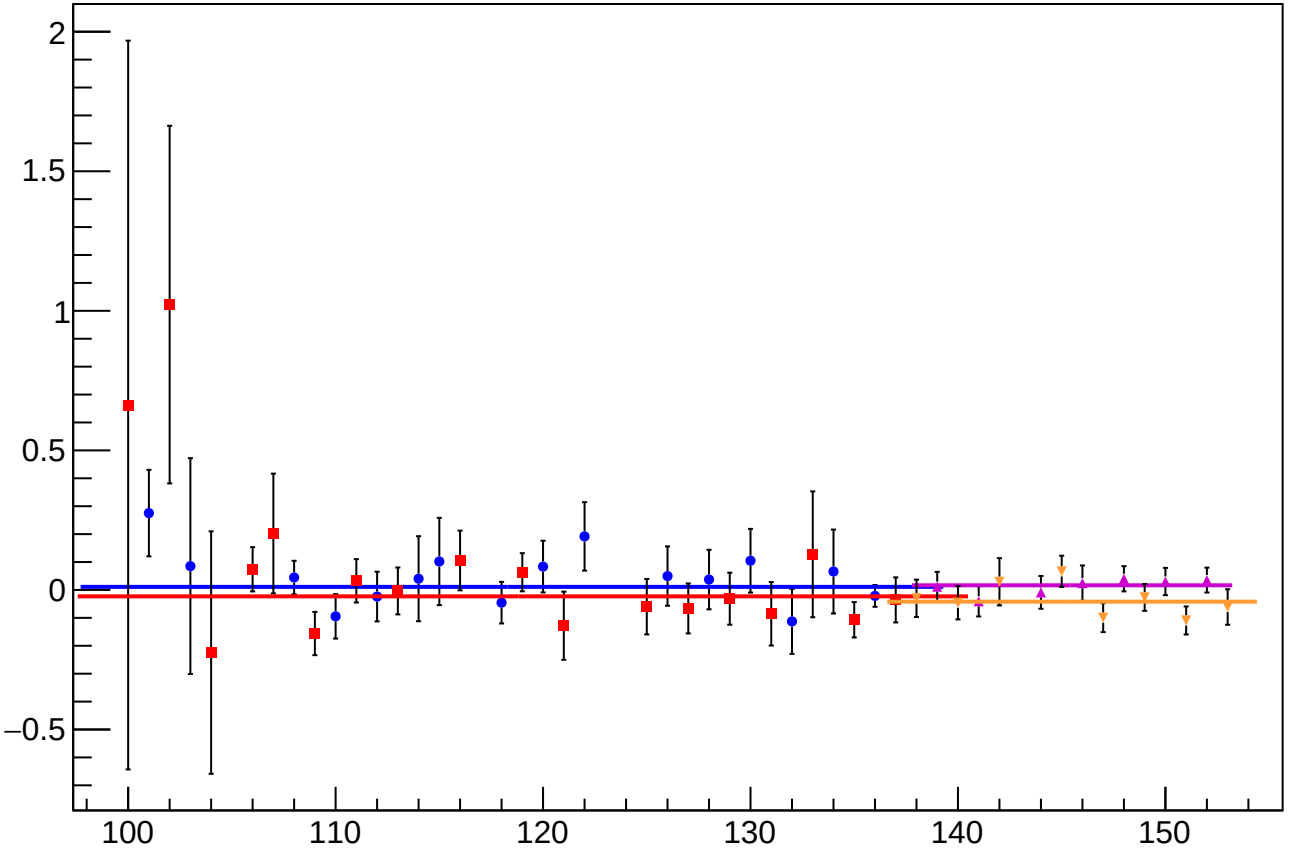
Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 46.898+/-0.010 χ^2/NDF:2543484.9/22

Out: 49.356+/-0.011 χ^2/NDF:2382286.0/25

All: 48.065+/-0.007 χ^2/NDF: 4952946.1/48

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.020 χ^2/NDF:7.7/7

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.017+/-0.019 χ^2/NDF:1.8/6

Left: -0.011+/-0.014 χ^2/NDF: 13.9/14

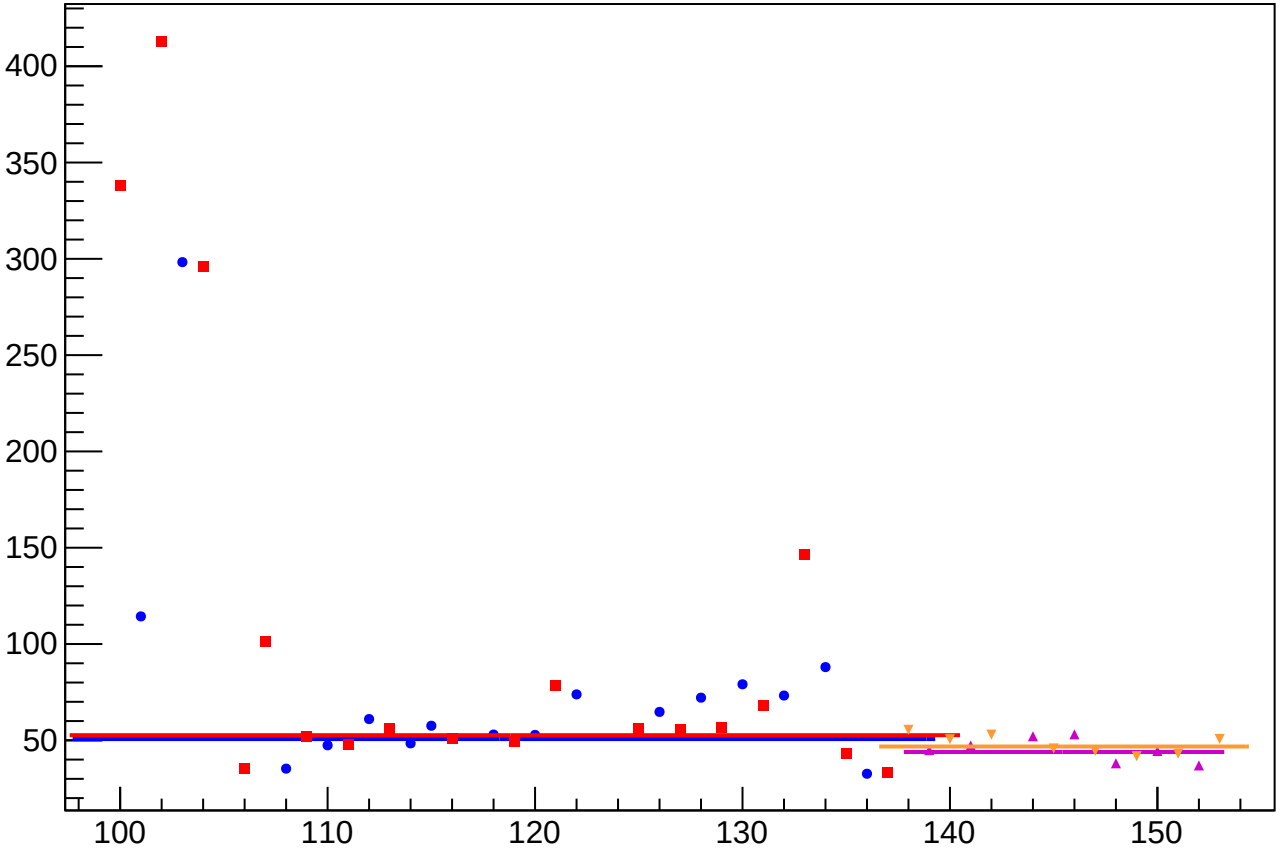
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.014+/-0.015 χ^2/NDF:13.6/22

Out: -0.034+/-0.015 χ^2/NDF:24.0/25

All: -0.009+/-0.011 χ^2/NDF: 42.8/48

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: 46.781+/-0.014 χ^2/NDF:97419.2/7

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 43.936+/-0.014 χ^2/NDF:171917.4/6

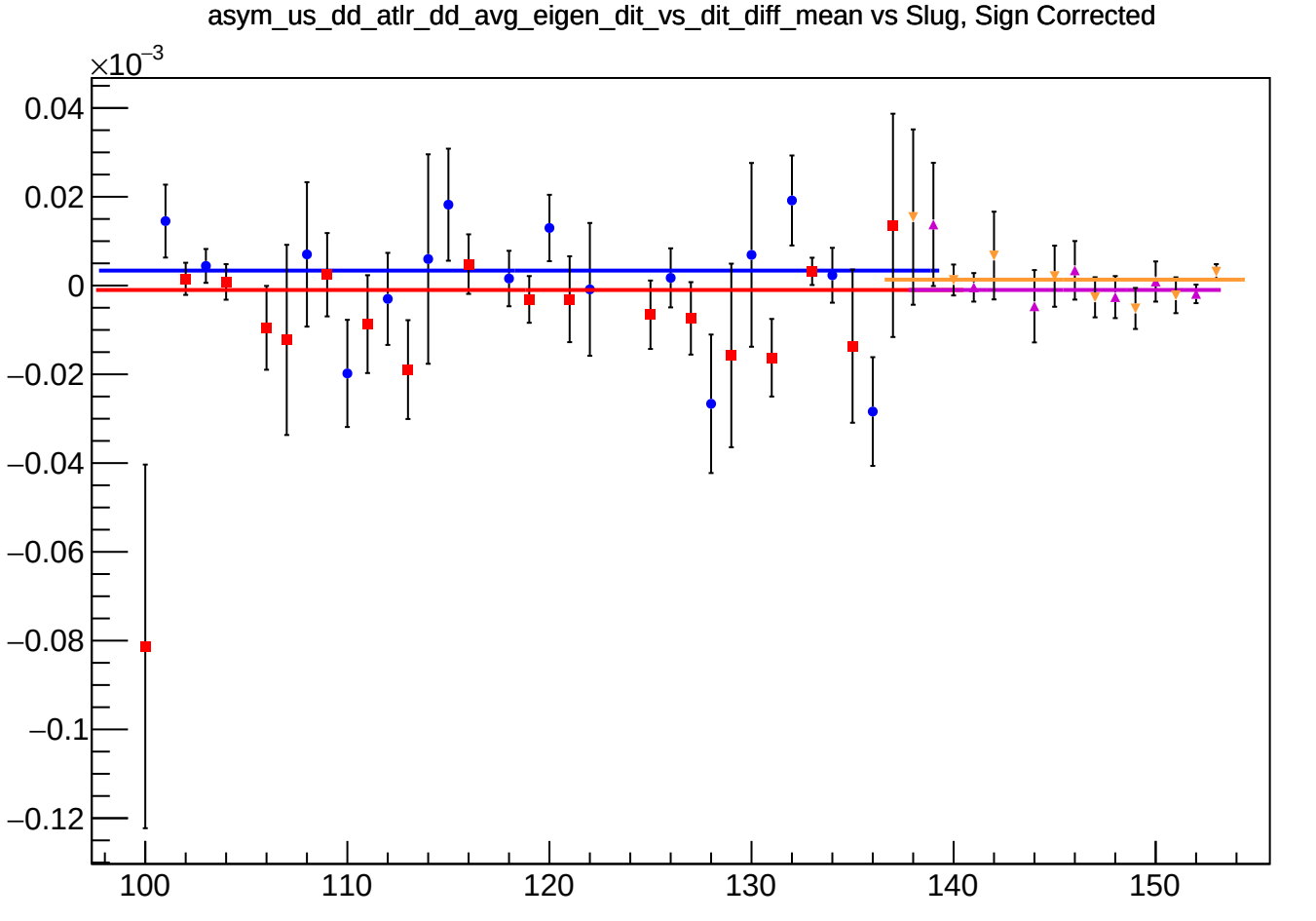
Left: 45.291+/-0.010 χ^2/NDF: 289744.0/14

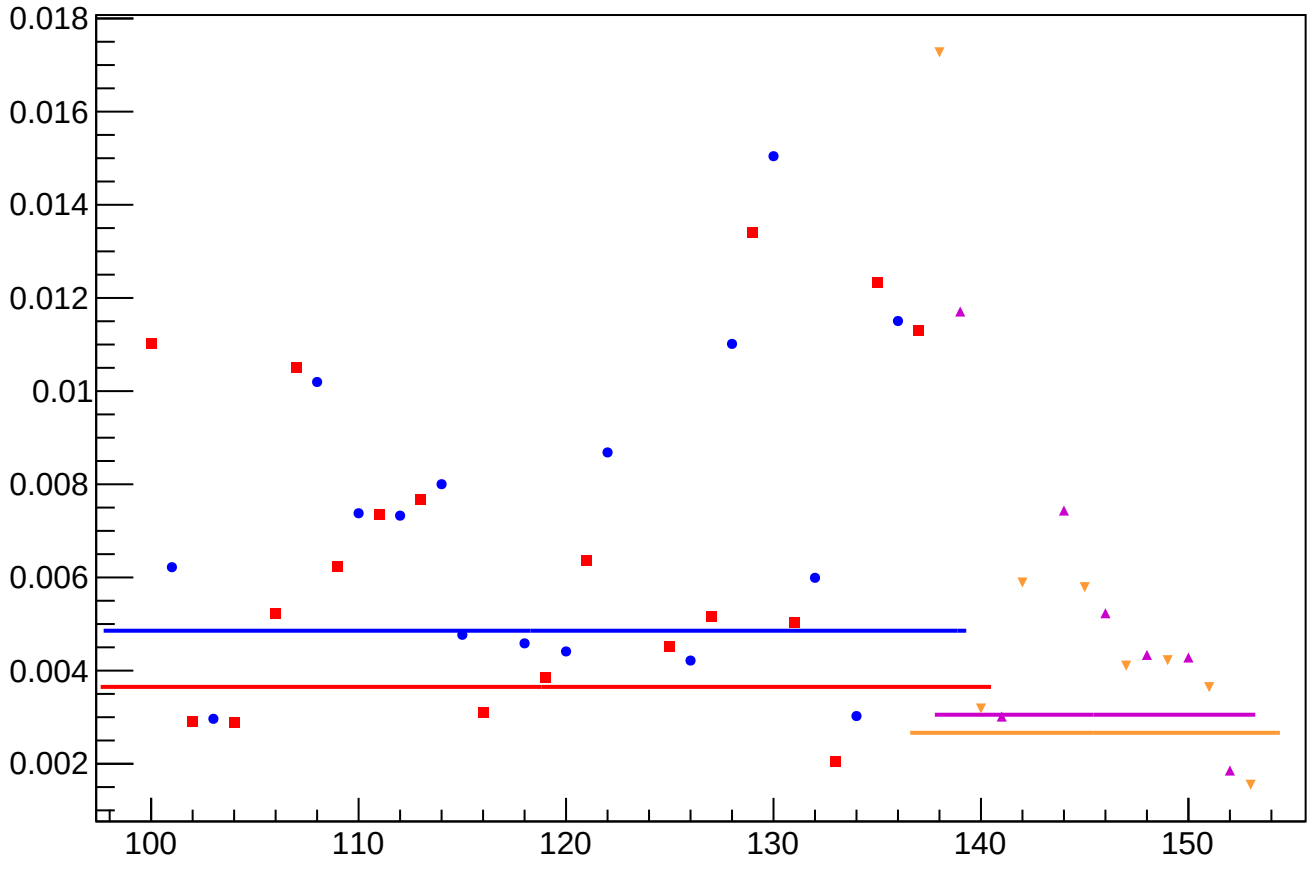
Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 46.898+/-0.010 χ^2/NDF:2543484.9/22

Out: 49.356+/-0.011 χ^2/NDF:2382286.0/25

All: 48.065+/-0.007 χ^2/NDF: 4952946.1/48


asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 22.2/15
Left Out: 0.000+/-0.000 χ²/NDF:5.4/7
Right Out: -0.000+/-0.000 χ²/NDF: 17.2/17
Left In: -0.000+/-0.000 χ²/NDF:2.3/6
Left: 0.000+/-0.000 χ²/NDF: 9.1/14
Right: 0.000+/-0.000 χ²/NDF: 42.3/33
In: 0.000+/-0.000 χ²/NDF:27.4/22
Out: 0.000+/-0.000 χ²/NDF:24.0/25
All: 0.000+/-0.000 χ²/NDF: 51.4/48



Right In: 0.005+/-0.000 χ^2/NDF: 2745089.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:3166458.2/7

Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.003+/-0.000 χ^2/NDF:2528033.6/6

Left: 0.003+/-0.000 χ^2/NDF: 5773847.4/14

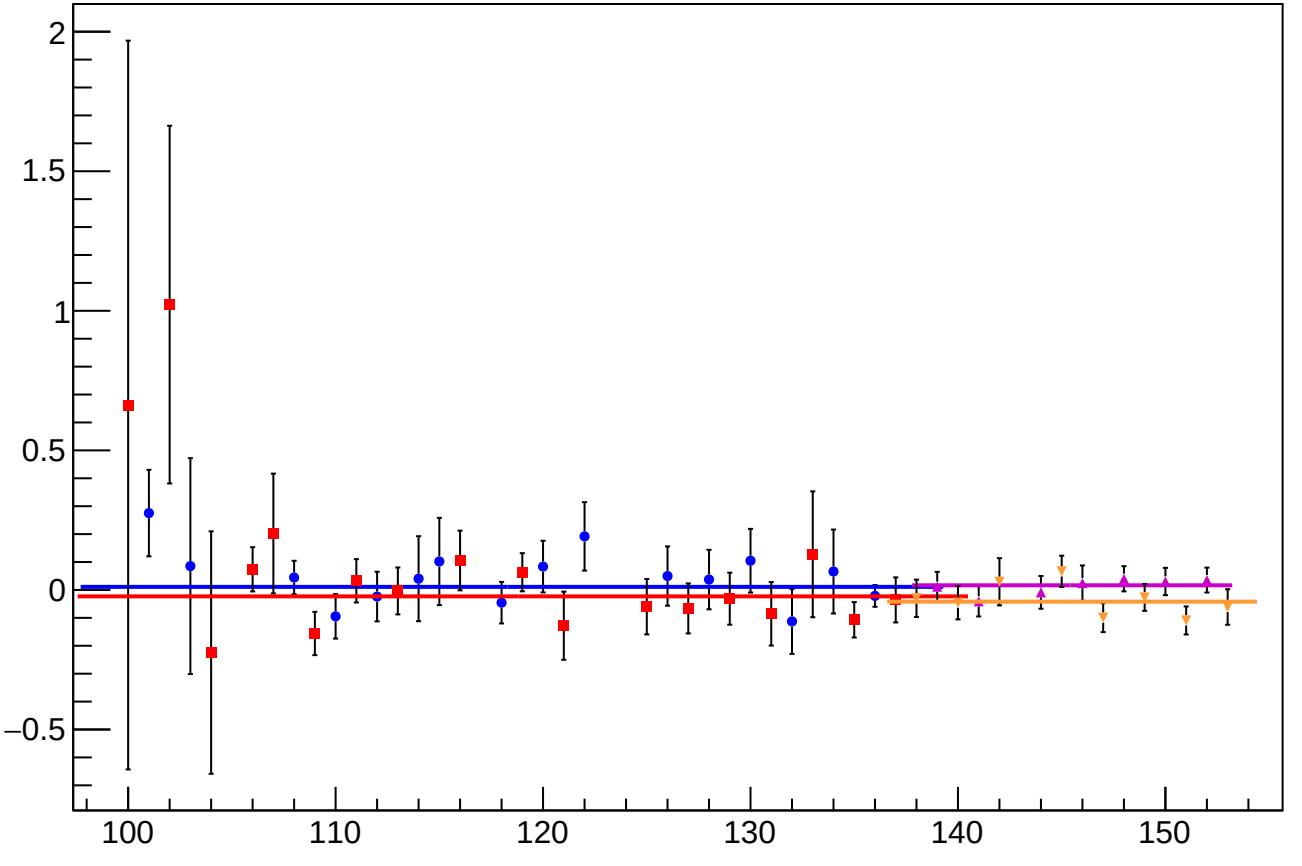
Right: 0.004+/-0.000 χ^2/NDF: 6282872.0/33

In: 0.004+/-0.000 χ^2/NDF:6276126.0/22

Out: 0.003+/-0.000 χ^2/NDF:6751490.5/25

All: 0.003+/-0.000 χ^2/NDF: 13321903.1/48

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.020 χ^2/NDF:7.7/7

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.017+/-0.019 χ^2/NDF:1.8/6

Left: -0.011+/-0.014 χ^2/NDF: 13.9/14

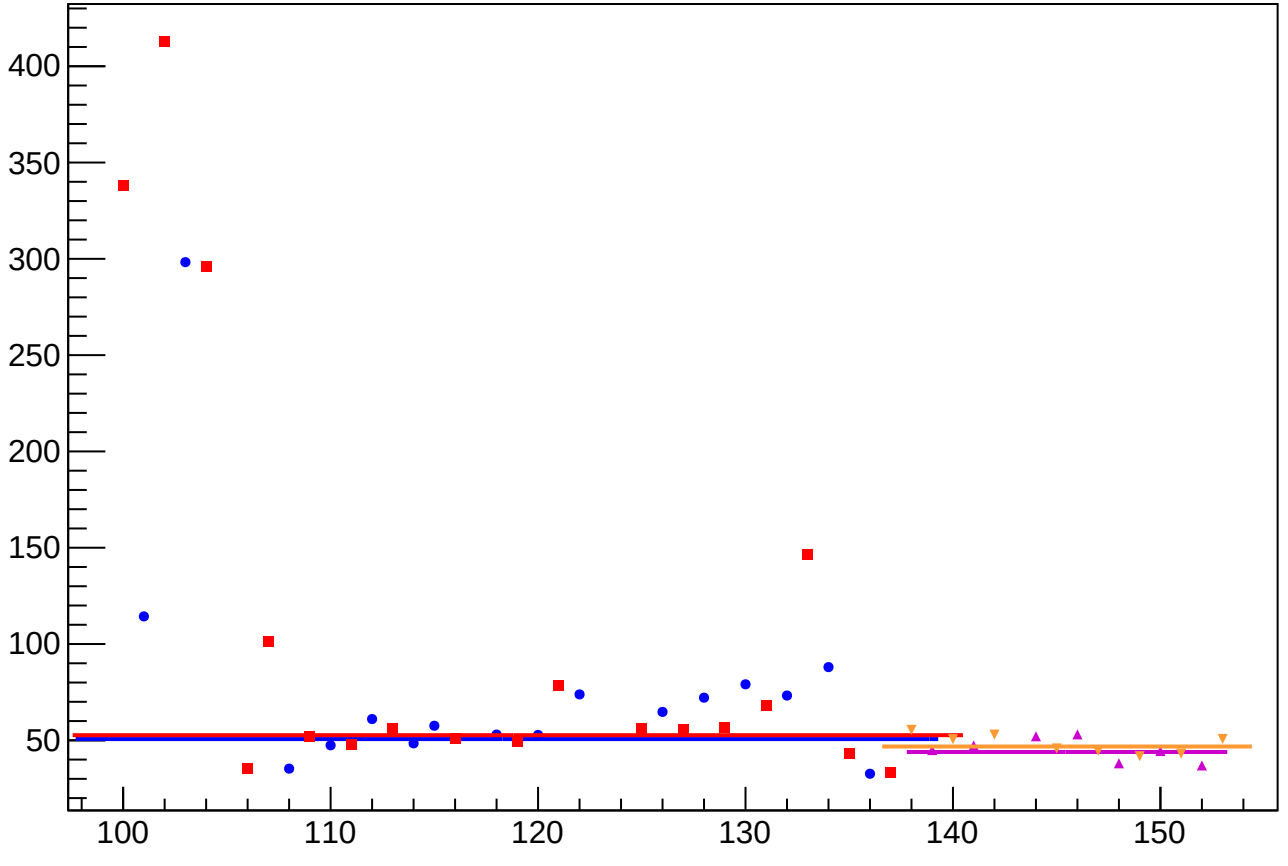
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.014+/-0.015 χ^2/NDF:13.6/22

Out: -0.034+/-0.015 χ^2/NDF:24.0/25

All: -0.009+/-0.011 χ^2/NDF: 42.8/48

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: 46.781+/-0.014 χ^2/NDF:97439.5/7

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 43.936+/-0.014 χ^2/NDF:171900.3/6

Left: 45.292+/-0.010 χ^2/NDF: 289743.5/14

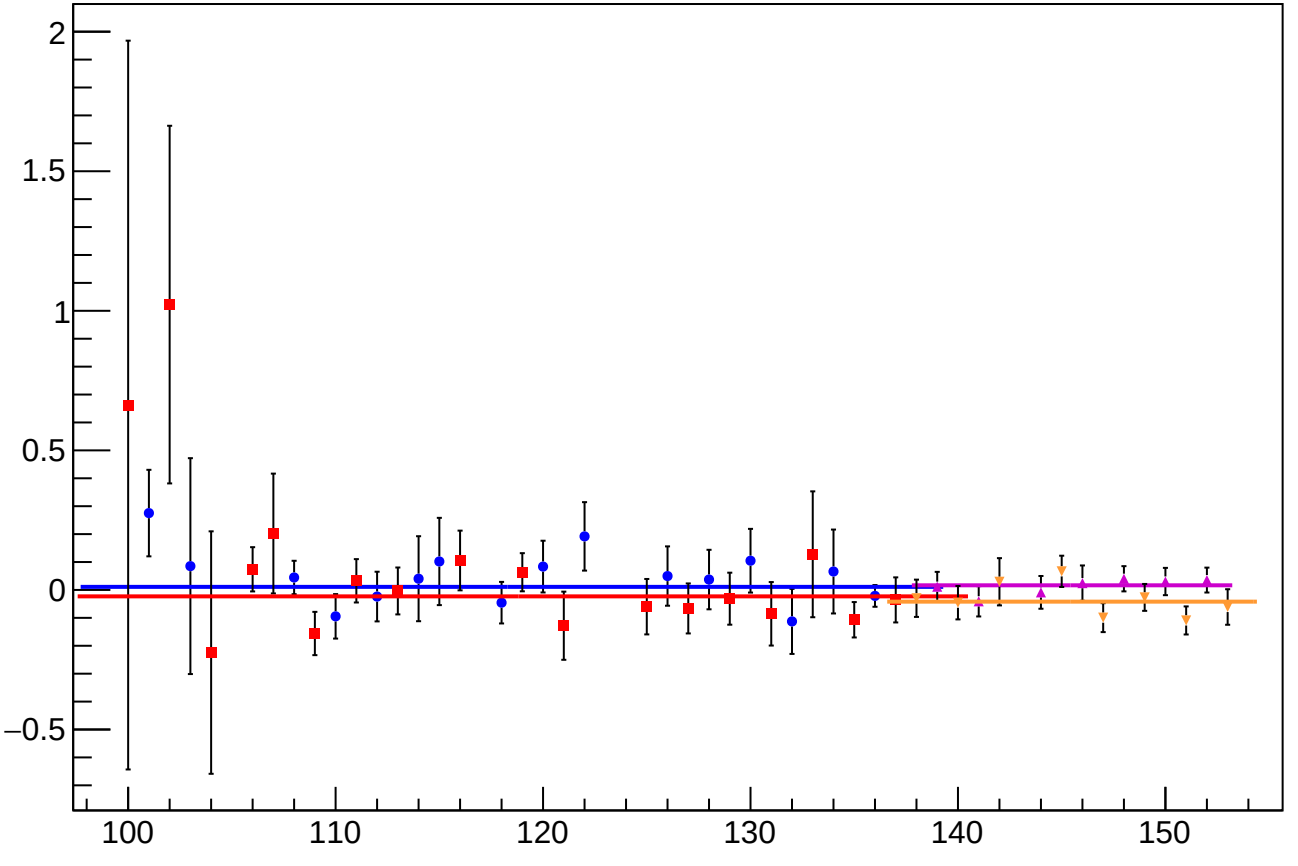
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 46.898+/-0.010 χ^2/NDF:2543373.4/22

Out: 49.357+/-0.011 χ^2/NDF:2382206.9/25

All: 48.065+/-0.007 χ^2/NDF: 4952755.1/48

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+/-0.020 χ^2/NDF:7.7/7

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.017+/-0.019 χ^2/NDF:1.8/6

Left: -0.011+/-0.014 χ^2/NDF: 13.9/14

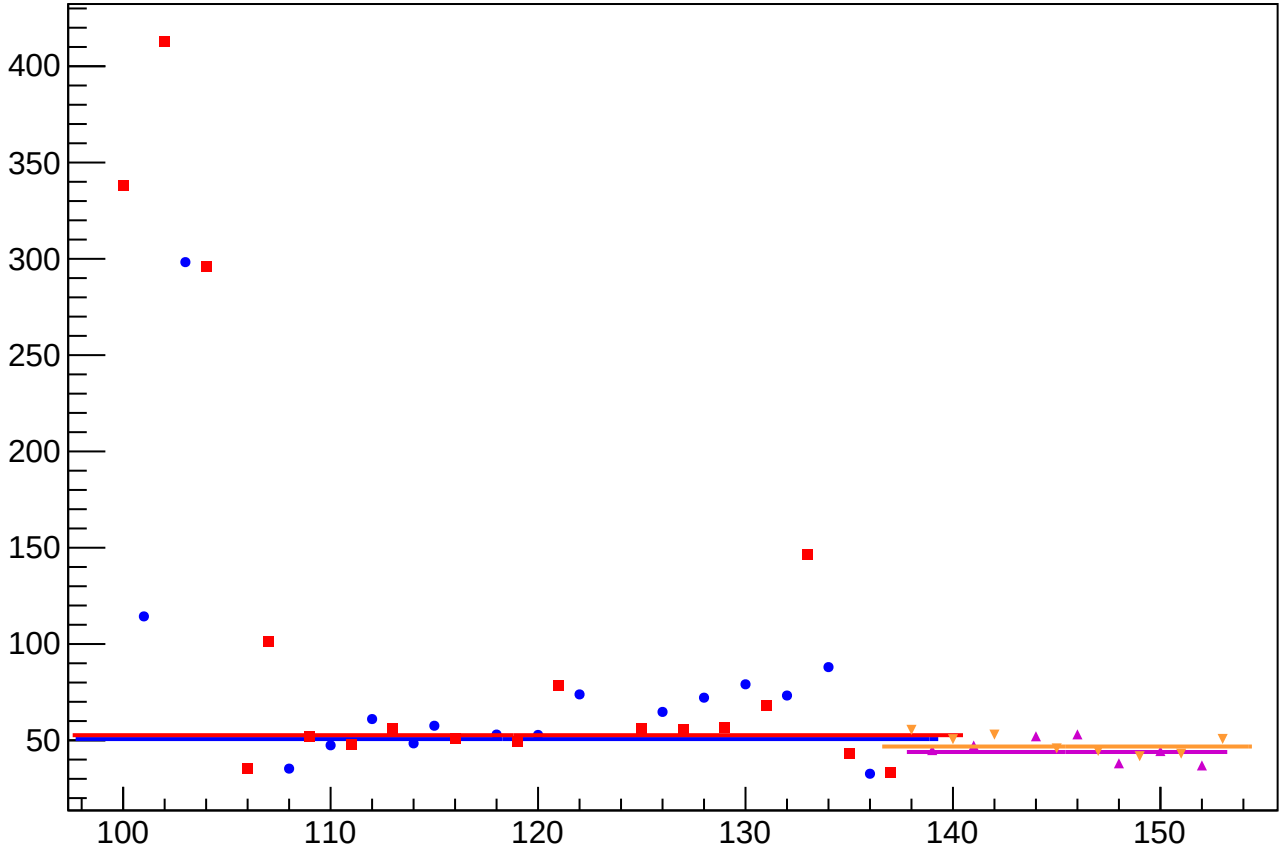
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.014+/-0.015 χ^2/NDF:13.6/22

Out: -0.034+/-0.015 χ^2/NDF:24.0/25

All: -0.009+/-0.011 χ^2/NDF: 42.8/48

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: 46.781+/-0.014 χ^2/NDF:97439.5/7

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 43.936+/-0.014 χ^2/NDF:171900.3/6

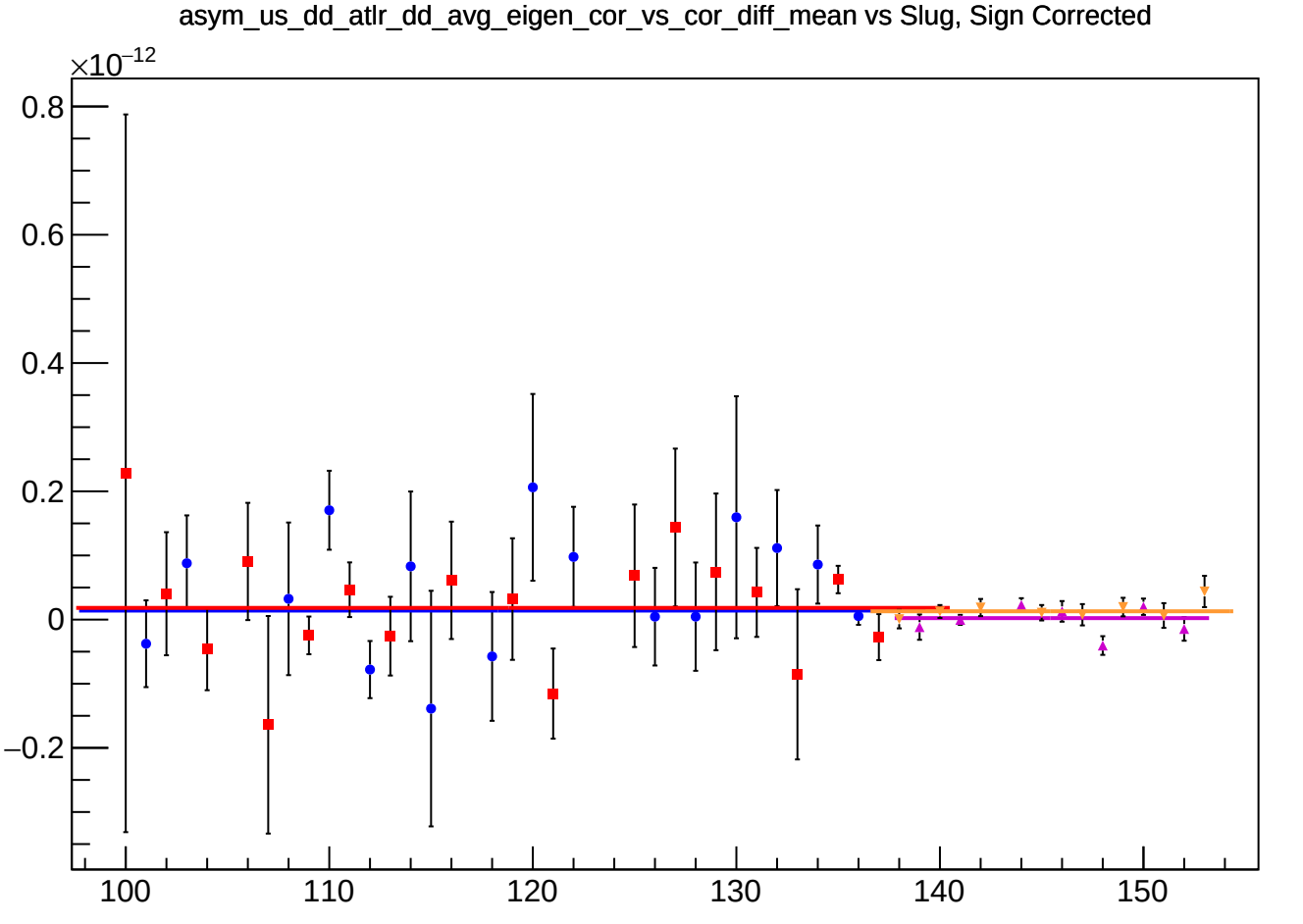
Left: 45.292+/-0.010 χ^2/NDF: 289743.5/14

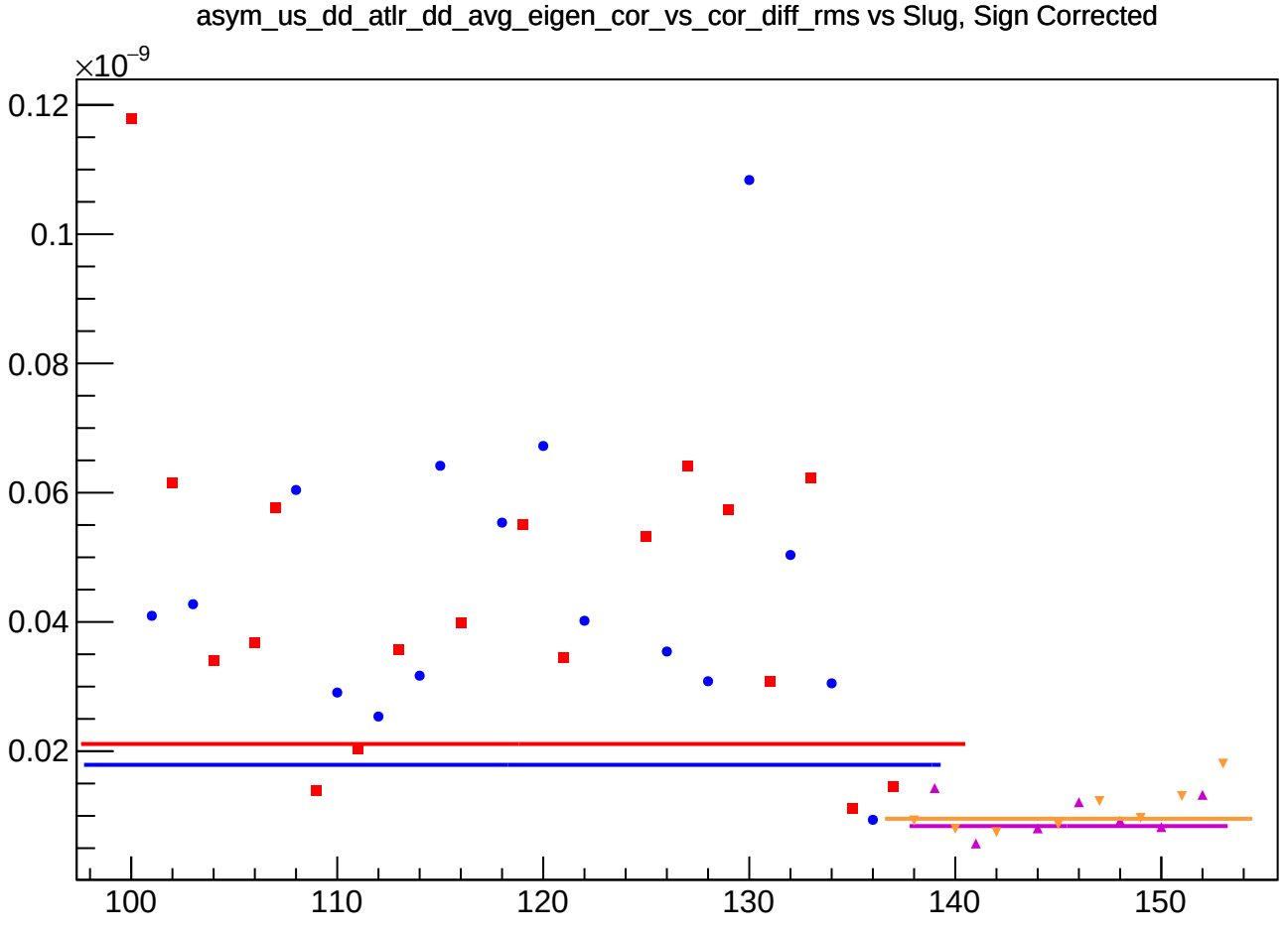
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 46.898+/-0.010 χ^2/NDF:2543373.4/22

Out: 49.357+/-0.011 χ^2/NDF:2382206.9/25

All: 48.065+/-0.007 χ^2/NDF: 4952755.1/48


asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 20.3/15
Left Out: 0.000+/-0.000 χ²/NDF:3.0/7
Right Out: 0.000+/-0.000 χ²/NDF: 18.0/17
Left In: 0.000+/-0.000 χ²/NDF:16.1/6
Left: 0.000+/-0.000 χ²/NDF: 21.5/14
Right: 0.000+/-0.000 χ²/NDF: 38.4/33
In: 0.000+/-0.000 χ²/NDF:37.4/22
Out: 0.000+/-0.000 χ²/NDF:21.1/25
All: 0.000+/-0.000 χ²/NDF: 60.8/48



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:471211.0/7

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

Left In: 0.000+/-0.000 χ^2/NDF:665054.8/6

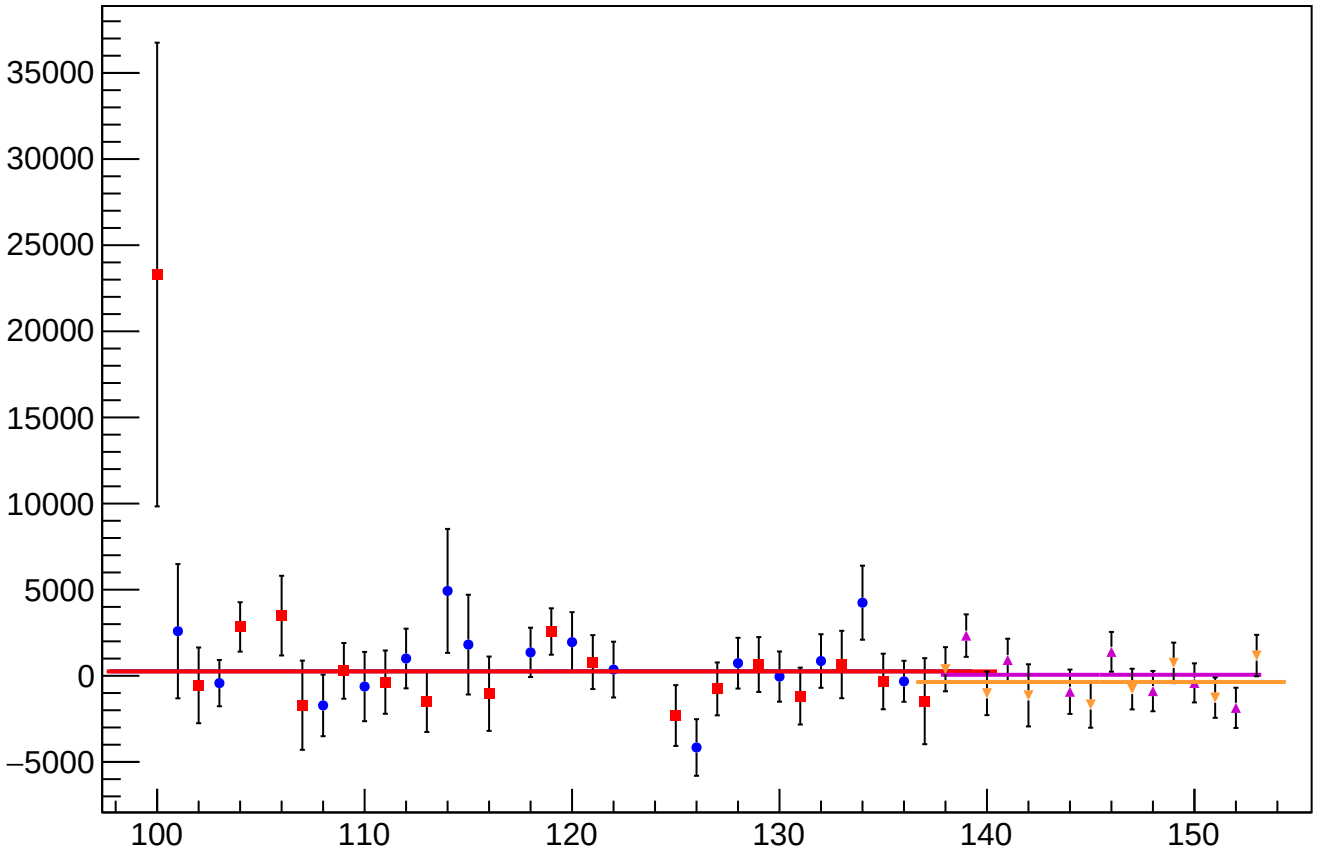
Left: 0.000+/-0.000 χ^2/NDF: 1191270.5/14

Right: 0.000+/-0.000 χ^2/NDF: 6093228.6/33

In: 0.000+/-0.000 χ^2/NDF:5259595.6/22

Out: 0.000+/-0.000 χ^2/NDF:4562859.8/25

All: 0.000+/-0.000 χ^2/NDF: 9910962.4/48



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: -359.134+/-449.520 χ^2/NDF:5.0/7

Right Out: 255.934+/-425.784 χ^2/NDF: 17.4/17

Left In: 58.143+/-451.541 χ^2/NDF:9.3/6

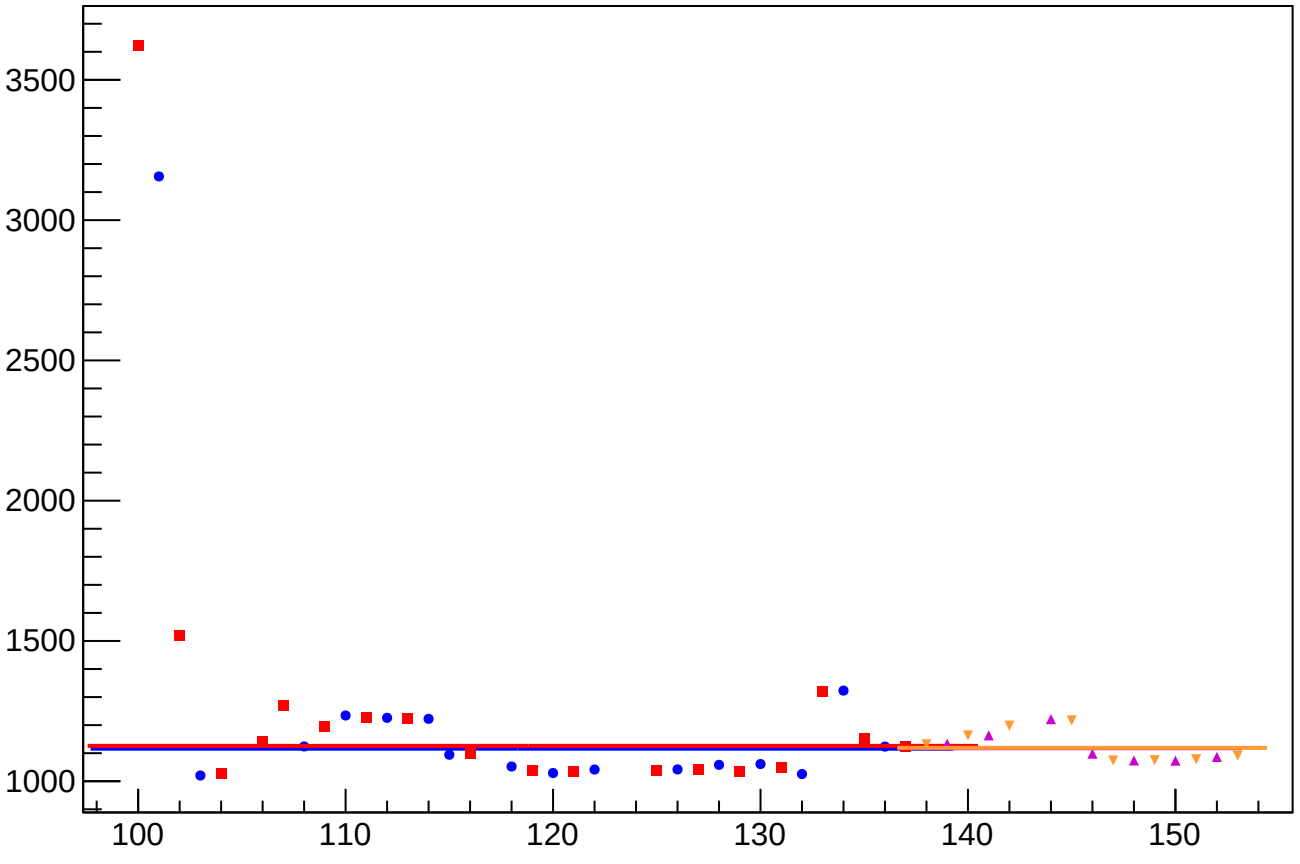
Left: -151.431+/-318.571 χ^2/NDF: 14.7/14

Right: 258.372+/-300.676 χ^2/NDF: 34.3/33

In: 165.682+/-309.346 χ^2/NDF:26.4/22

Out: -34.933+/-309.126 χ^2/NDF:23.3/25

All: 65.303+/-218.663 χ^2/NDF: 49.9/48



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1119.042+/-0.318 χ^2/NDF:26190.3/7

Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1117.635+/-0.319 χ^2/NDF:23839.2/6

Left: 1118.342+/-0.225 χ^2/NDF: 50039.3/14

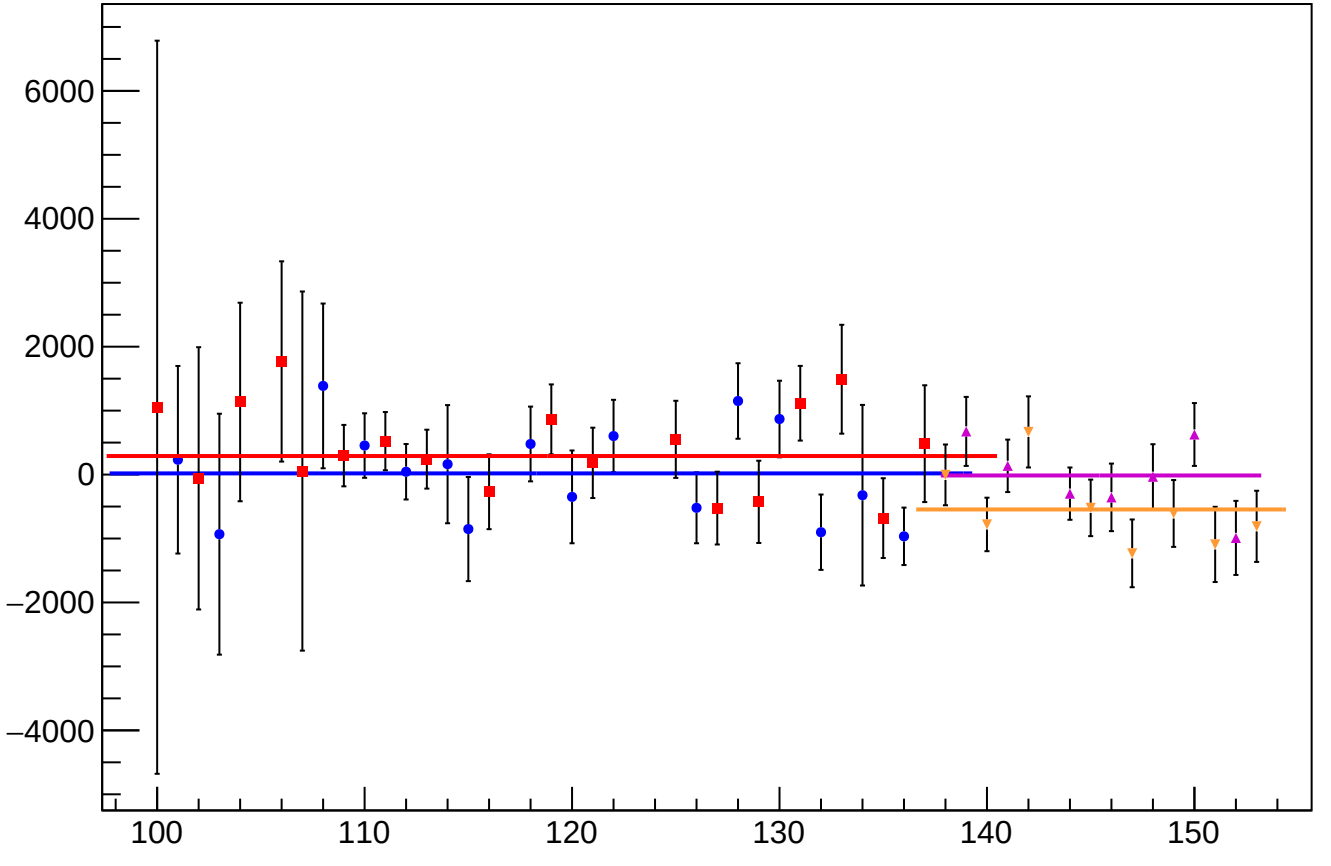
Right: 1121.039+/-0.213 χ^2/NDF: 846041.8/33

In: 1116.815+/-0.219 χ^2/NDF:647242.5/22

Out: 1122.718+/-0.219 χ^2/NDF:248549.9/25

All: 1119.768+/-0.155 χ^2/NDF: 896156.9/48

asym_us_dd_atlr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -545.580+/-177.226 χ^2/NDF:9.1/7

Right Out: 289.946+/-156.189 χ^2/NDF: 13.5/17

Left In: -14.038+/-182.778 χ^2/NDF:7.2/6

Left: -288.005+/-127.235 χ^2/NDF: 20.7/14

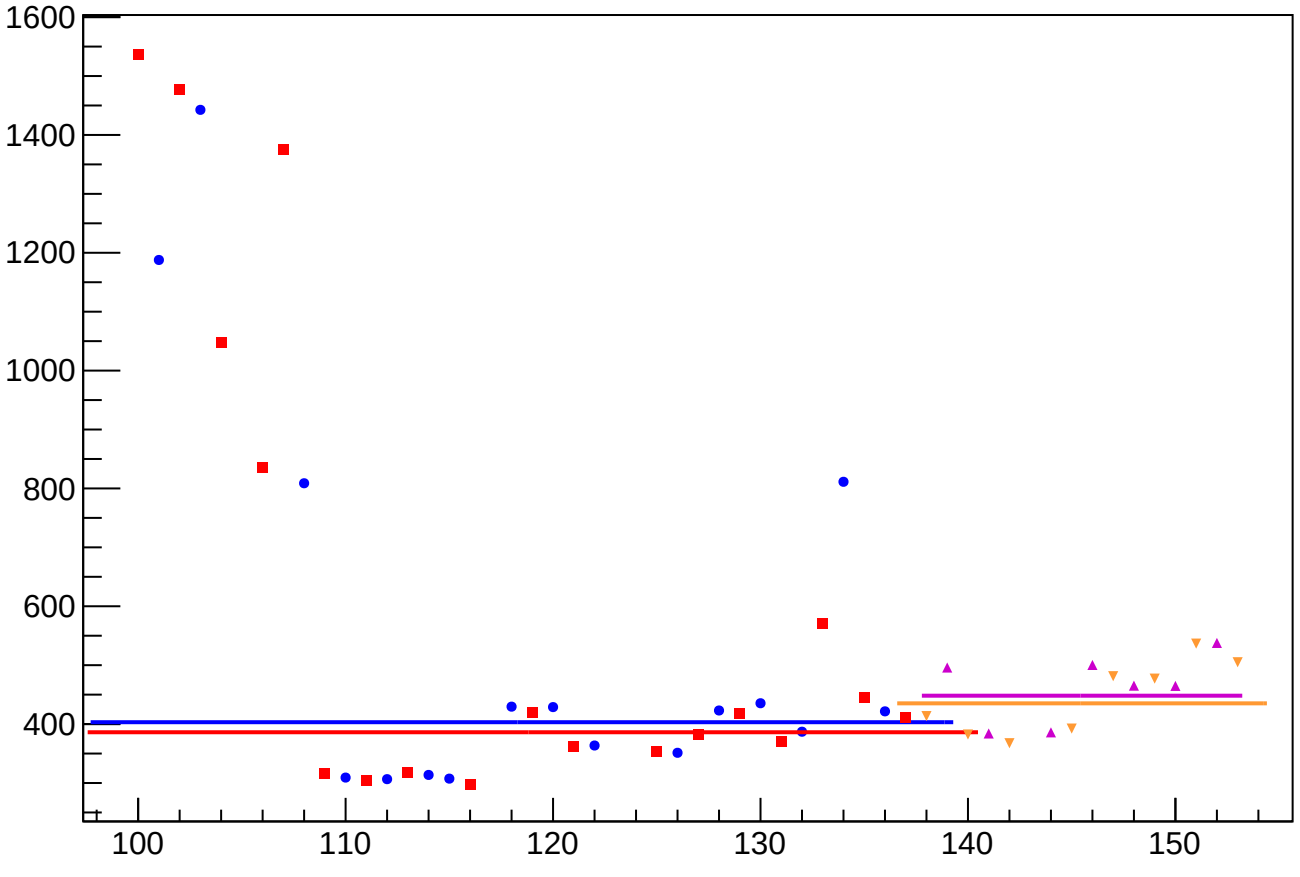
Right: 158.523+/-112.184 χ^2/NDF: 34.1/33

In: 4.242+/-120.914 χ^2/NDF:26.4/22

Out: -75.309+/-117.178 χ^2/NDF:35.2/25

All: -36.781+/-84.147 χ^2/NDF: 61.8/48

asym_us_dd_atlr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 403.194+/-0.114 χ^2/NDF: 1808432.3/15

Left Out: 435.210+/-0.125 χ^2/NDF:203311.1/7

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

Left In: 448.199+/-0.129 χ^2/NDF:182826.6/6

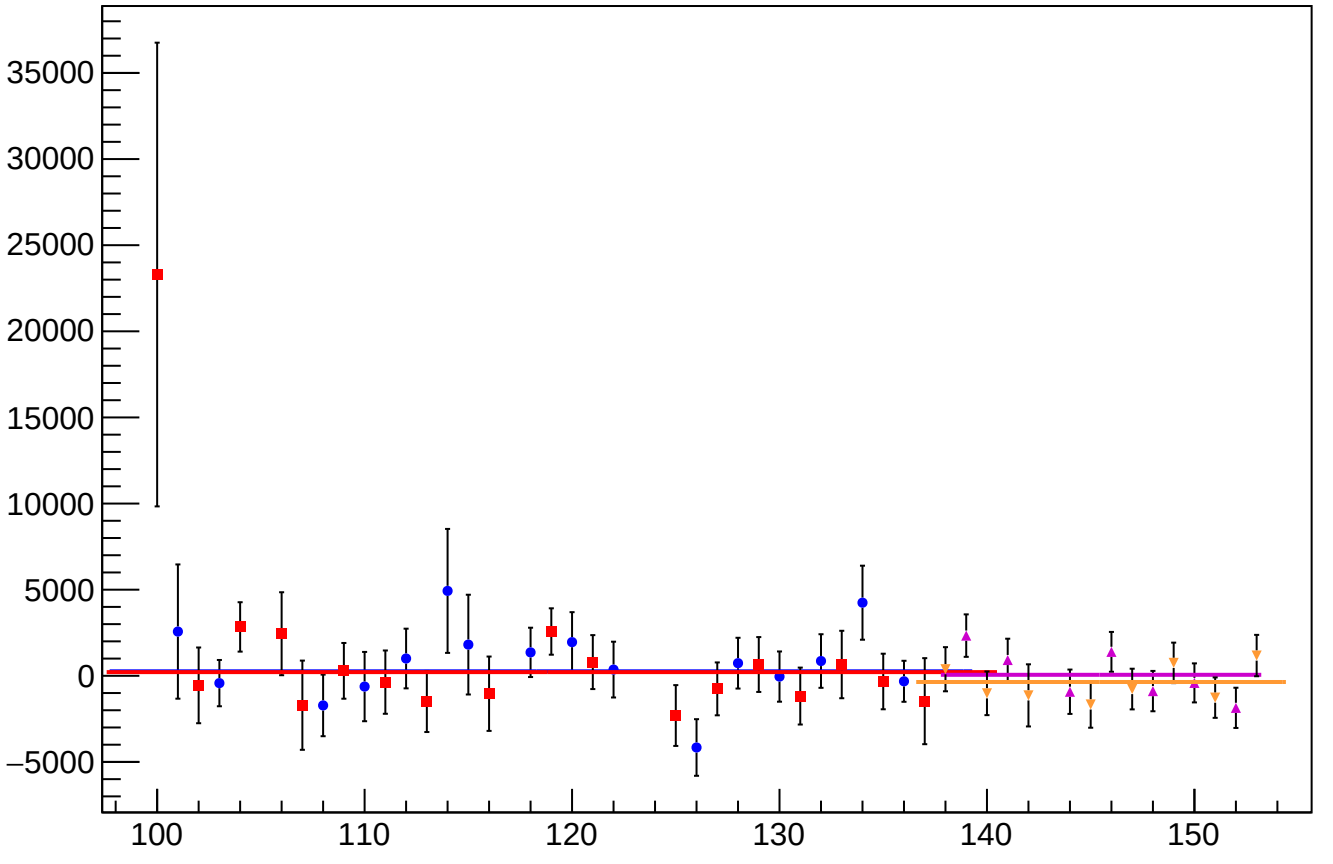
Left: 441.504+/-0.090 χ^2/NDF: 391343.1/14

Right: 394.399+/-0.079 χ^2/NDF: 3579081.1/33

In: 422.889+/-0.085 χ^2/NDF:2059448.7/22

Out: 407.595+/-0.083 χ^2/NDF:2048702.0/25

All: 415.002+/-0.060 χ^2/NDF: 4124652.9/48



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -359.121+/-449.520 χ^2/NDF:5.0/7

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 58.115+/-451.541 χ^2/NDF:9.3/6

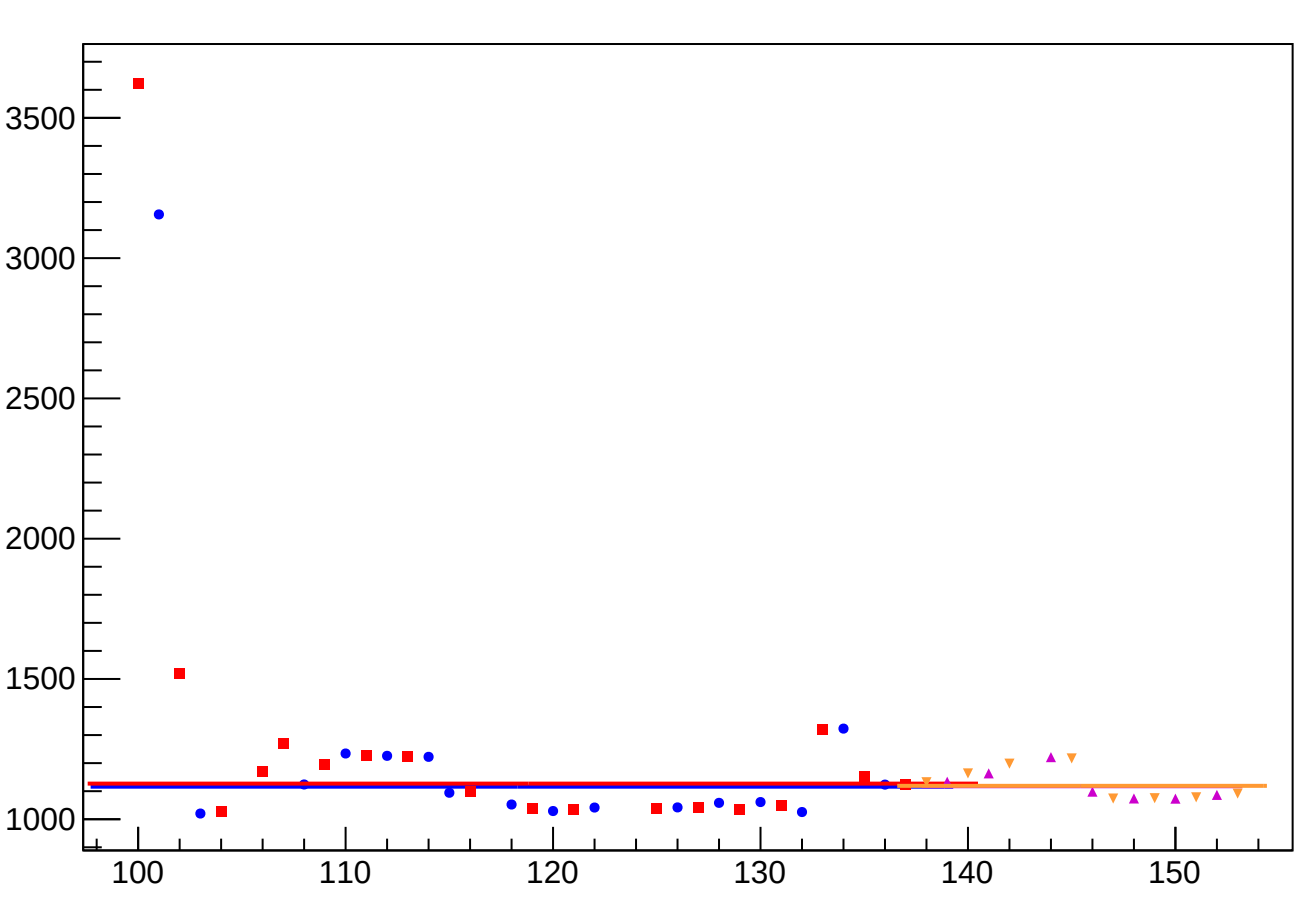
Left: -151.439+/-318.571 χ^2/NDF: 14.7/14

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 165.466+/-309.346 χ^2/NDF:26.4/22

Out: -57.140+/-309.339 χ^2/NDF:22.1/25

All: 54.160+/-218.738 χ^2/NDF: 48.7/48



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1119.042+/-0.318 χ^2/NDF:26190.3/7

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1117.635+/-0.319 χ^2/NDF:23839.2/6

Left: 1118.342+/-0.225 χ^2/NDF: 50039.3/14

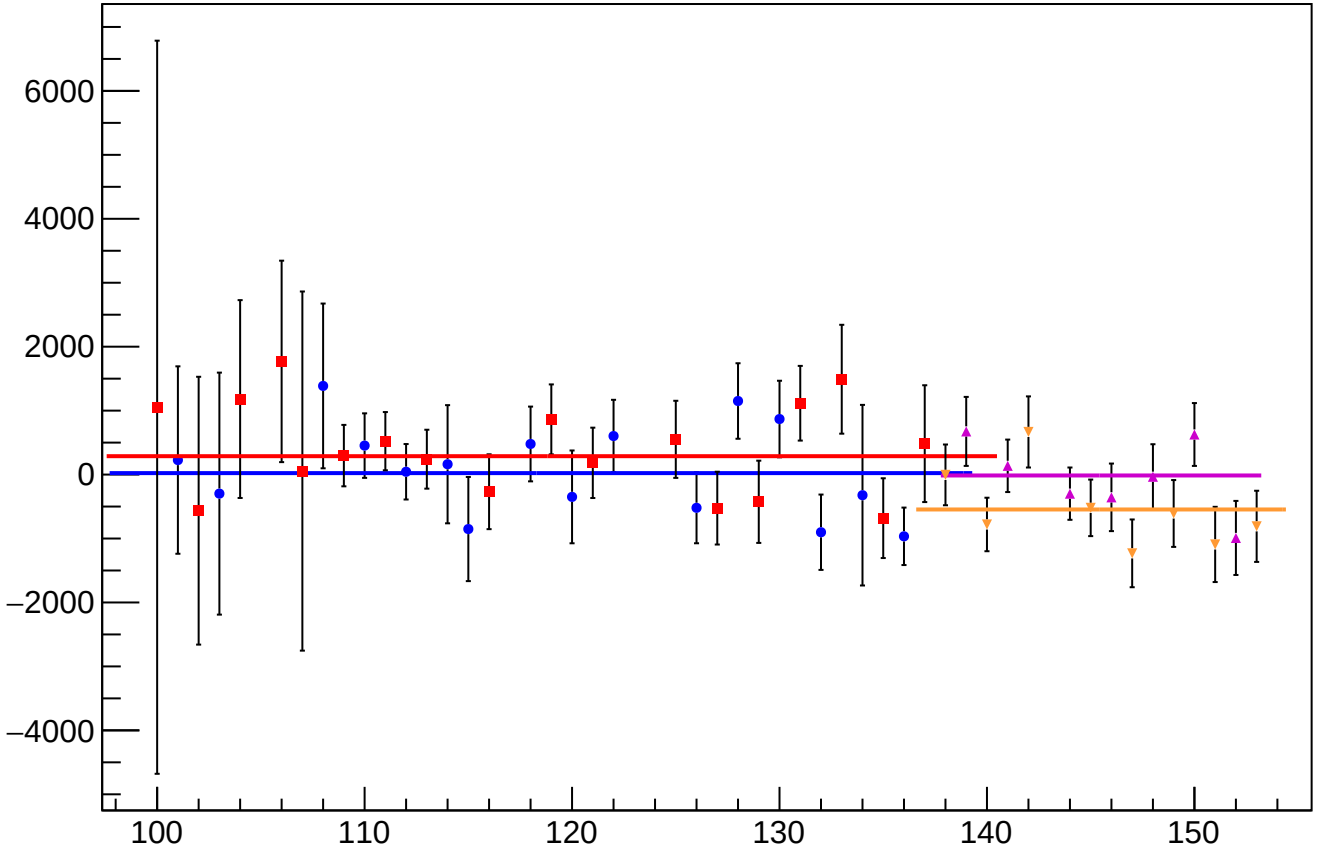
Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1116.815+/-0.219 χ^2/NDF:647243.6/22

Out: 1123.211+/-0.219 χ^2/NDF:249257.1/25

All: 1120.013+/-0.155 χ^2/NDF: 896928.2/48

asym_us_dd_atlr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -545.705+/-177.224 χ^2/NDF:9.1/7

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: -13.975+/-182.776 χ^2/NDF:7.2/6

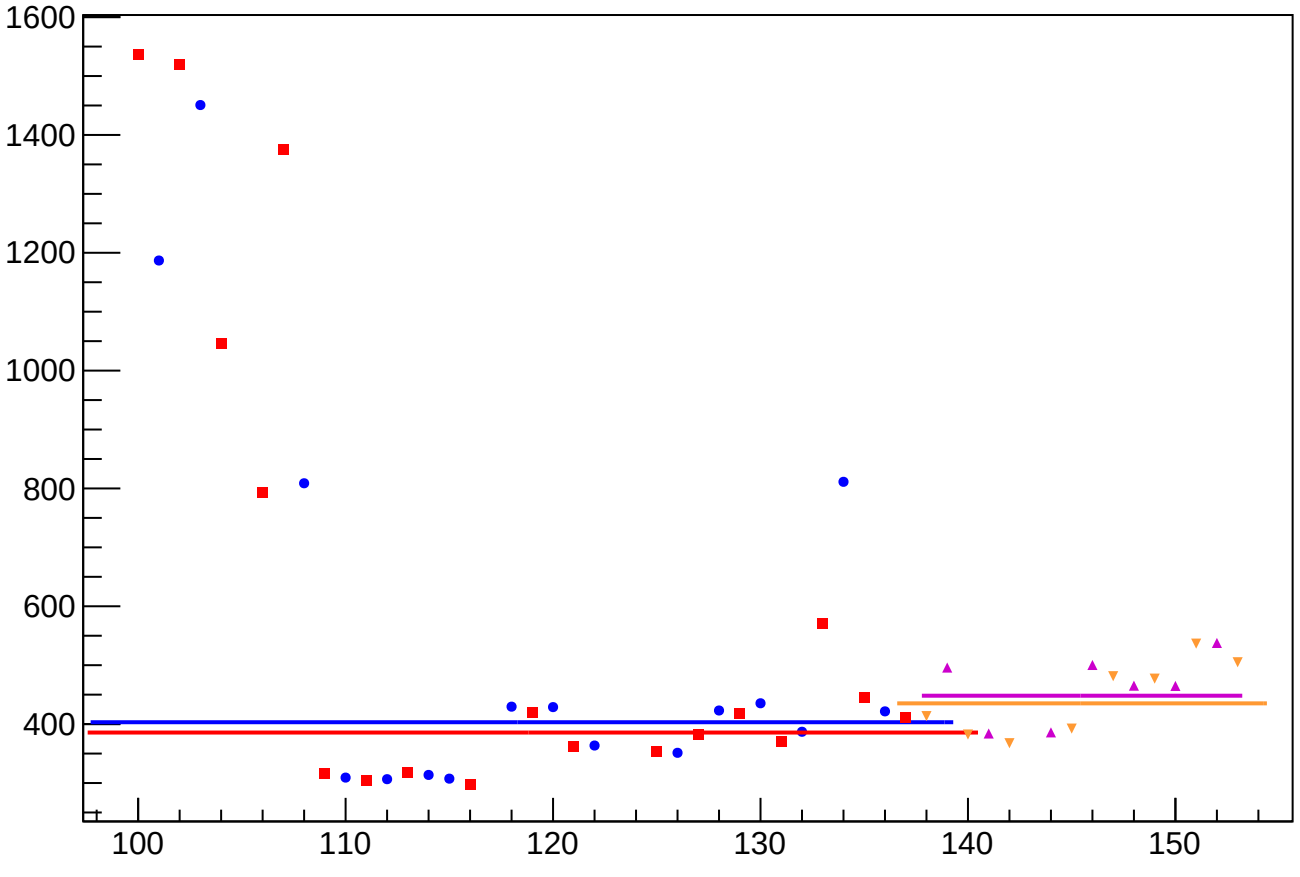
Left: -288.038+/-127.234 χ^2/NDF: 20.7/14

Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 6.775+/-120.914 χ^2/NDF:26.2/22

Out: -76.740+/-117.187 χ^2/NDF:35.2/25

All: -36.289+/-84.150 χ^2/NDF: 61.7/48



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 435.207+/-0.125 χ^2/NDF:203301.0/7

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 448.195+/-0.129 χ^2/NDF:182800.3/6

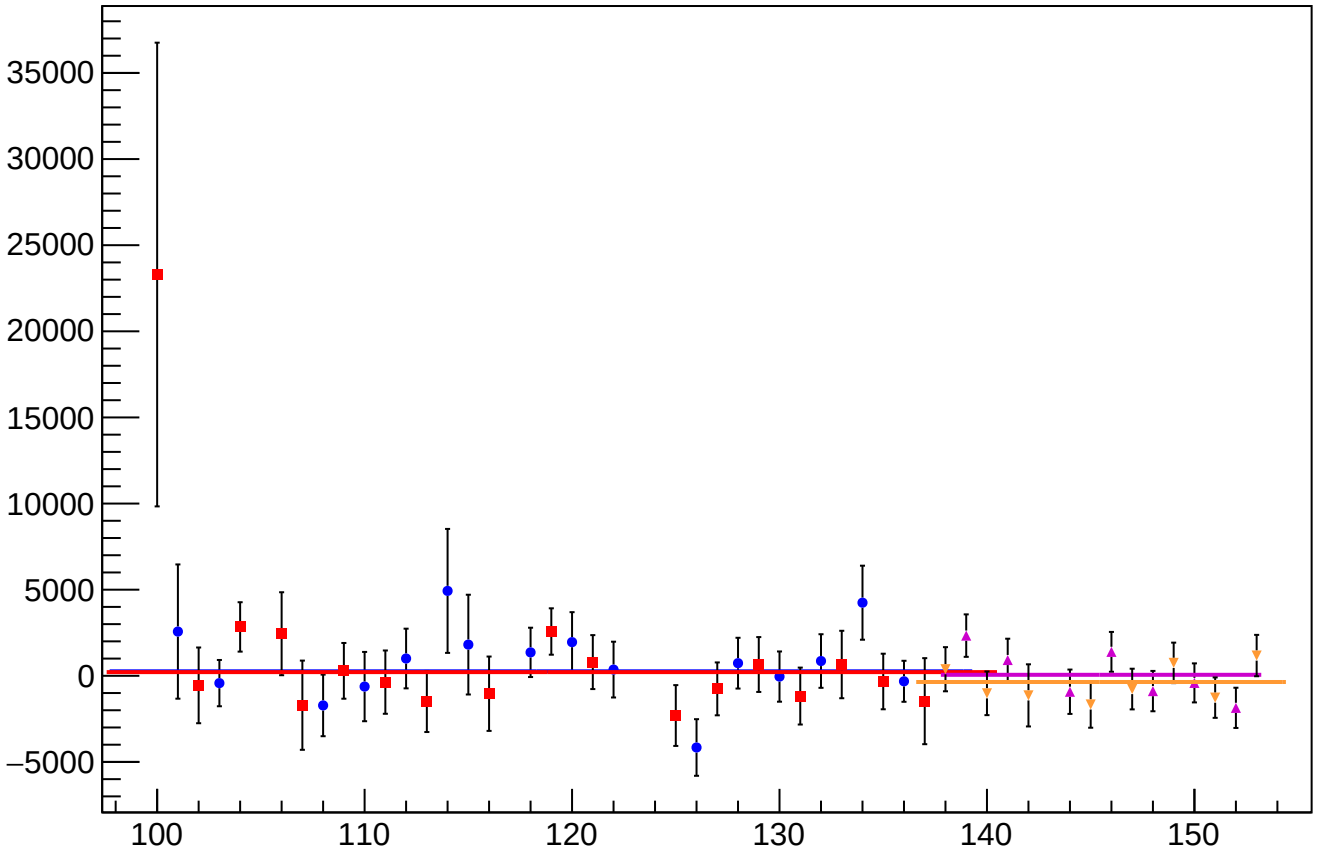
Left: 441.501+/-0.090 χ^2/NDF: 391306.5/14

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 422.882+/-0.085 χ^2/NDF:2063127.1/22

Out: 407.336+/-0.083 χ^2/NDF:2038349.8/25

All: 414.865+/-0.060 χ^2/NDF: 4118524.4/48



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: -359.121+/-449.520 χ^2/NDF:5.0/7

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 58.115+/-451.541 χ^2/NDF:9.3/6

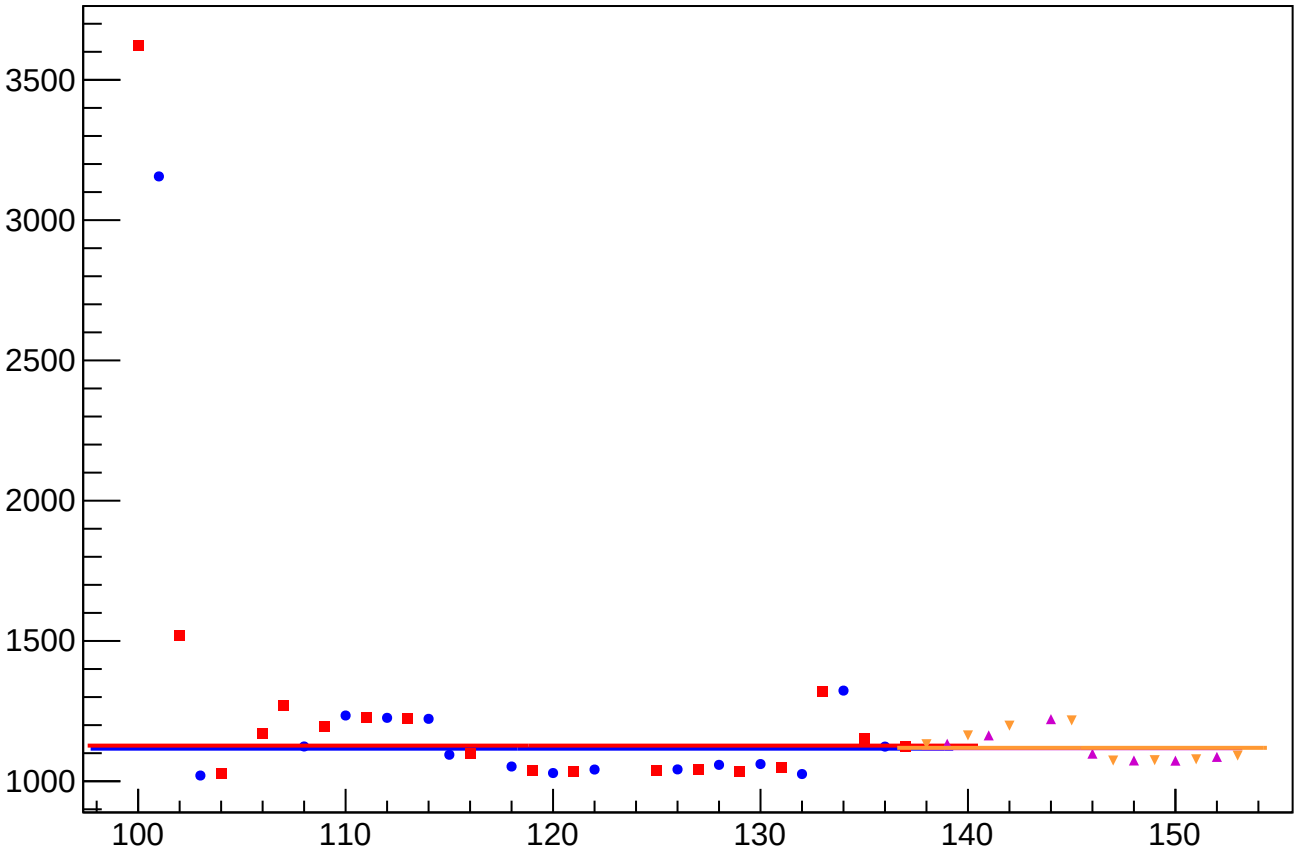
Left: -151.439+/-318.571 χ^2/NDF: 14.7/14

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 165.466+/-309.346 χ^2/NDF:26.4/22

Out: -57.140+/-309.339 χ^2/NDF:22.1/25

All: 54.160+/-218.738 χ^2/NDF: 48.7/48



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1119.042+/-0.318 χ^2/NDF:26190.3/7

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1117.635+/-0.319 χ^2/NDF:23839.2/6

Left: 1118.342+/-0.225 χ^2/NDF: 50039.3/14

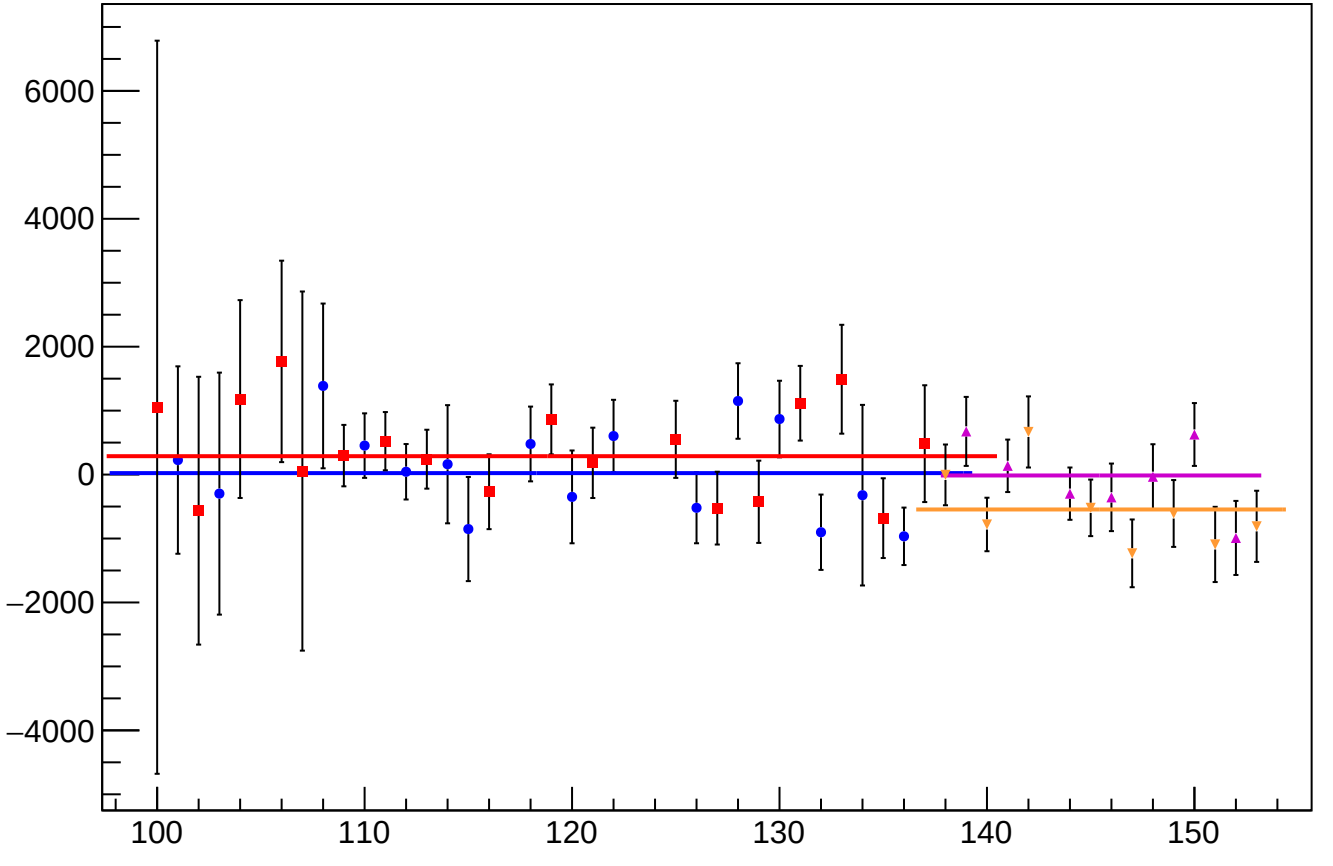
Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1116.815+/-0.219 χ^2/NDF:647243.6/22

Out: 1123.211+/-0.219 χ^2/NDF:249257.1/25

All: 1120.013+/-0.155 χ^2/NDF: 896928.2/48

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: -545.705+/-177.224 χ^2/NDF:9.1/7

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: -13.975+/-182.776 χ^2/NDF:7.2/6

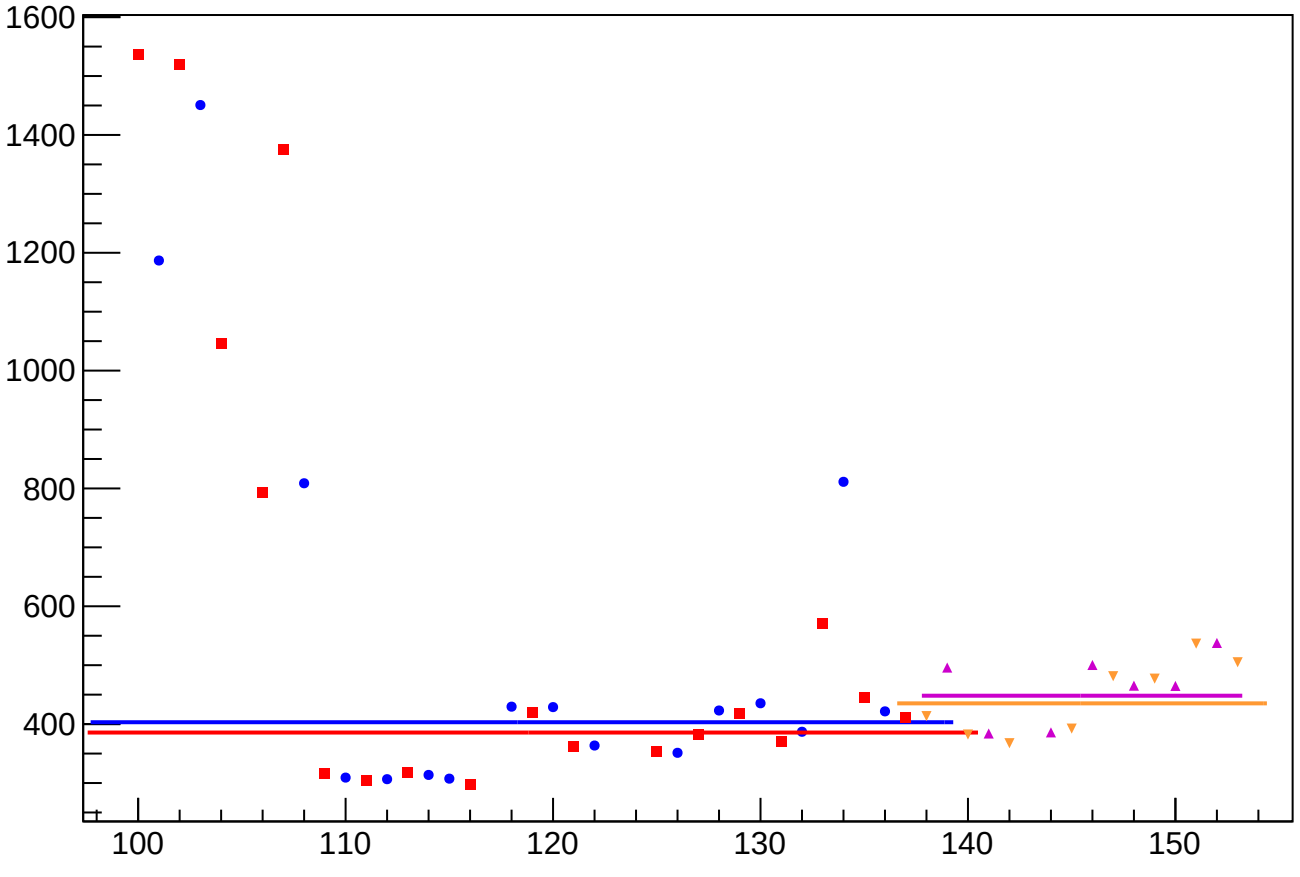
Left: -288.038+/-127.234 χ^2/NDF: 20.7/14

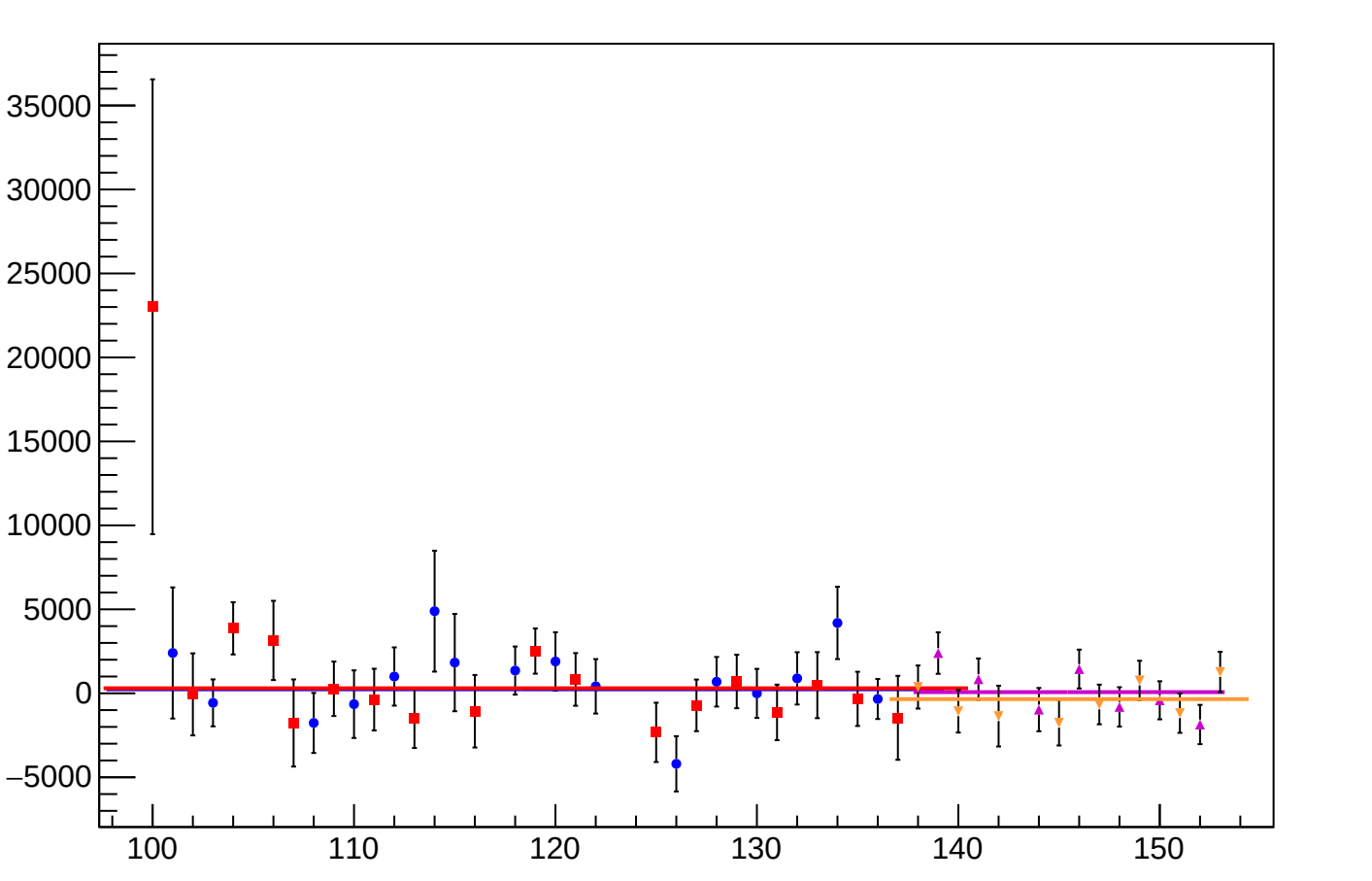
Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

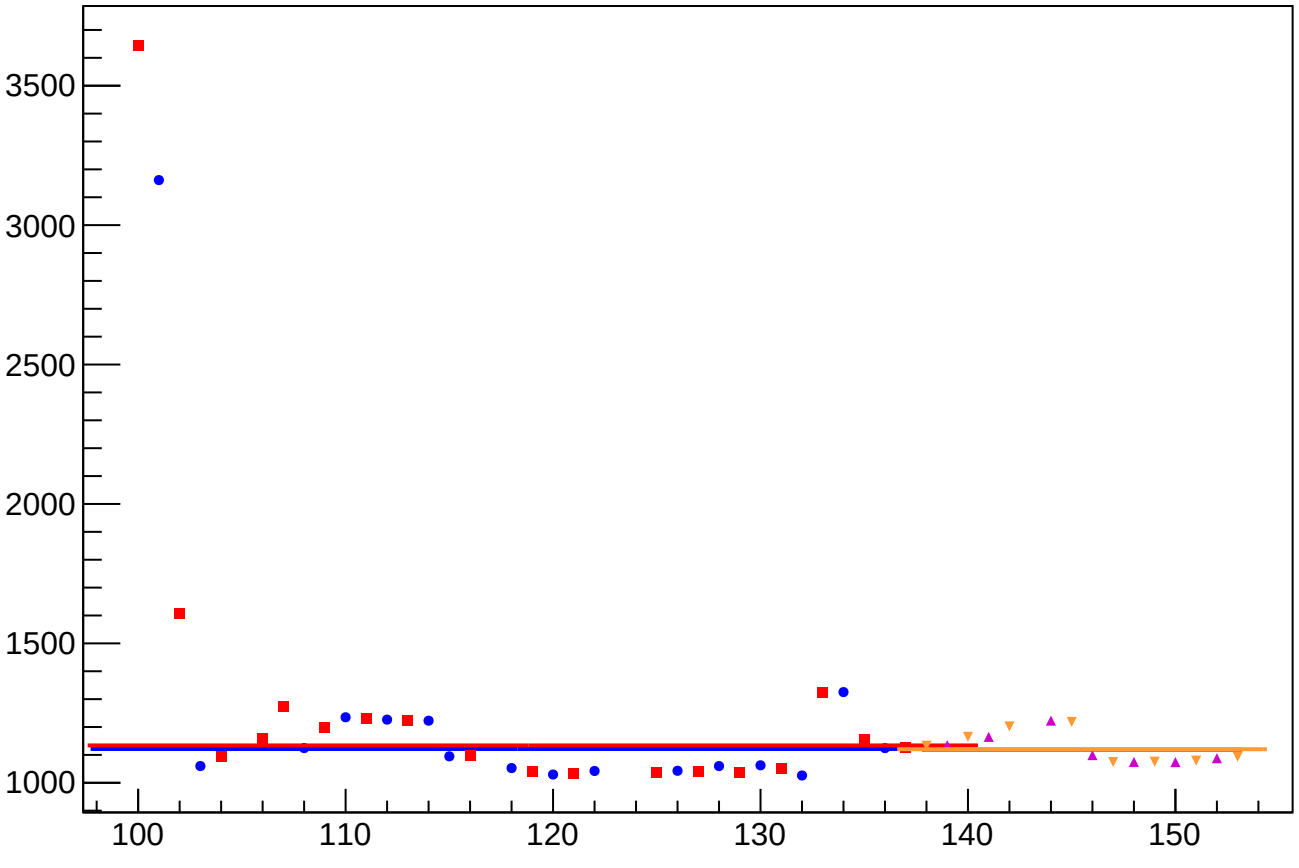
In: 6.775+/-120.914 χ^2/NDF:26.2/22

Out: -76.740+/-117.187 χ^2/NDF:35.2/25

All: -36.289+/-84.150 χ^2/NDF: 61.7/48


asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
1600
1400
1200
1000
800
600
400
100
110
120
130
140
150
Right In: 403.182+/-0.114 χ²/NDF: 1812111.0/15
Left Out: 435.207+/-0.125 χ²/NDF:203301.0/7
Right Out: 385.682+/-0.110 χ²/NDF: 1747152.2/17
Left In: 448.195+/-0.129 χ²/NDF:182800.3/6
Left: 441.501+/-0.090 χ²/NDF: 391306.5/14
Right: 394.155+/-0.079 χ²/NDF: 3571416.8/33
In: 422.882+/-0.085 χ²/NDF:2063127.1/22
Out: 407.336+/-0.083 χ²/NDF:2038349.8/25
All: 414.865+/-0.060 χ²/NDF: 4118524.4/48


dit_asym_us_dd_atlr_dd_dd_mean vs Slug, Sign Corrected
35000
30000
25000
20000
15000
10000
5000
0
−5000
100
110
120
130
140
150
Right In: 240.827+/-426.592 χ²/NDF: 17.0/15
Left Out: -346.919+/-450.060 χ²/NDF:5.3/7
Right Out: 298.921+/-430.767 χ²/NDF: 18.7/17
Left In: 69.646+/-451.986 χ²/NDF:9.5/6
Left: -139.526+/-318.919 χ²/NDF: 15.2/14
Right: 269.591+/-303.111 χ²/NDF: 35.6/33
In: 160.180+/-310.235 χ²/NDF:26.5/22
Out: -9.859+/-311.195 χ²/NDF:25.1/25
All: 75.423+/-219.708 χ²/NDF: 51.7/48



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1120.357+/-0.318 χ^2/NDF:26553.7/7

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1118.721+/-0.320 χ^2/NDF:23985.2/6

Left: 1119.543+/-0.226 χ^2/NDF: 50552.1/14

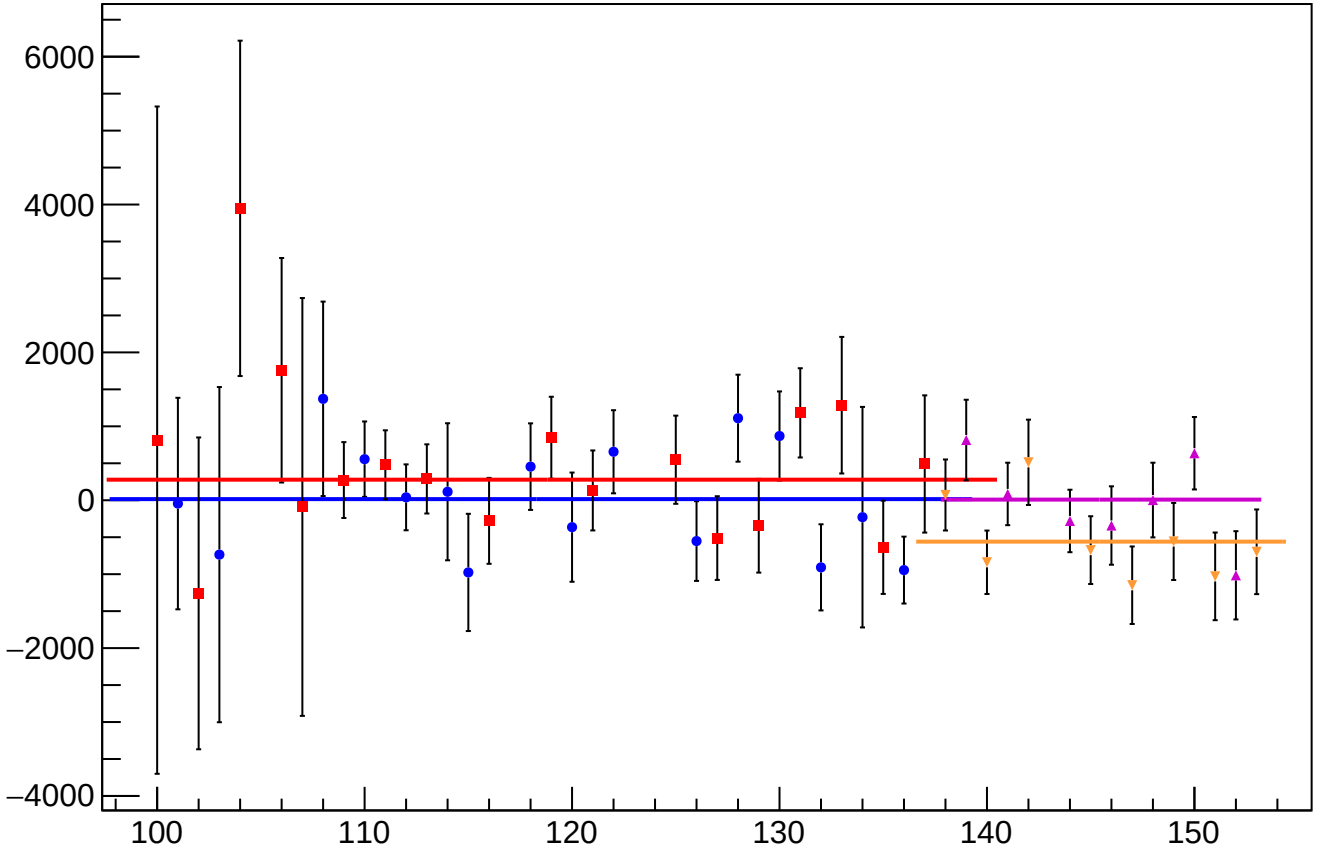
Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1120.082+/-0.219 χ^2/NDF:641047.8/22

Out: 1127.440+/-0.220 χ^2/NDF:254960.0/25

All: 1123.750+/-0.155 χ^2/NDF: 896568.7/48

asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 15.291+/-161.845 χ^2/NDF: 19.6/15

Left Out: -559.729+/-180.336 χ^2/NDF:7.6/7

Right Out: 278.251+/-158.828 χ^2/NDF: 15.1/17

Left In: 8.623+/-185.622 χ^2/NDF:7.7/6

Left: -283.760+/-129.345 χ^2/NDF: 20.2/14

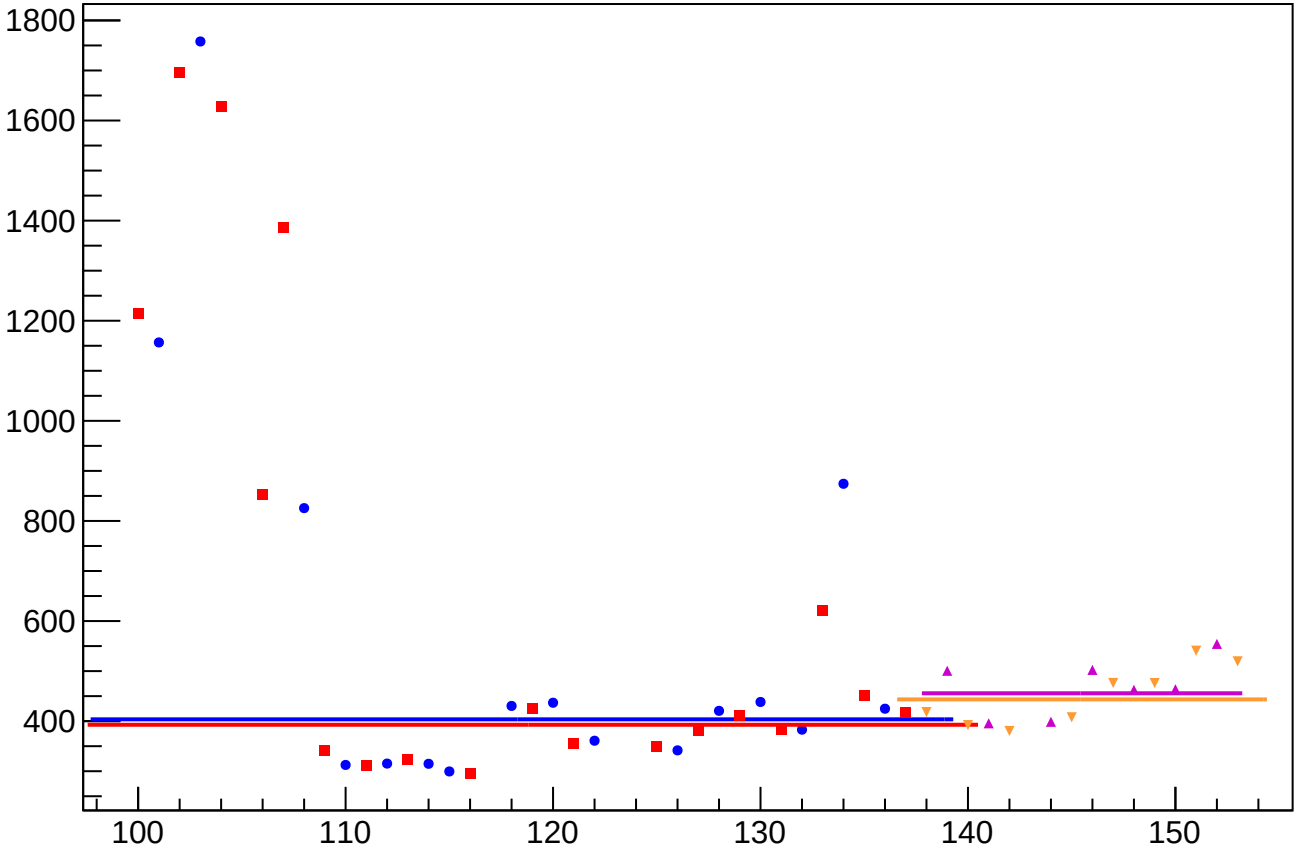
Right: 149.246+/-113.360 χ^2/NDF: 36.0/33

In: 12.412+/-121.988 χ^2/NDF:27.3/22

Out: -87.810+/-119.191 χ^2/NDF:34.8/25

All: -38.861+/-85.252 χ^2/NDF: 62.5/48

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: 443.468+/-0.128 χ^2/NDF:175162.8/7

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

Left In: 455.705+/-0.131 χ^2/NDF:161444.0/6

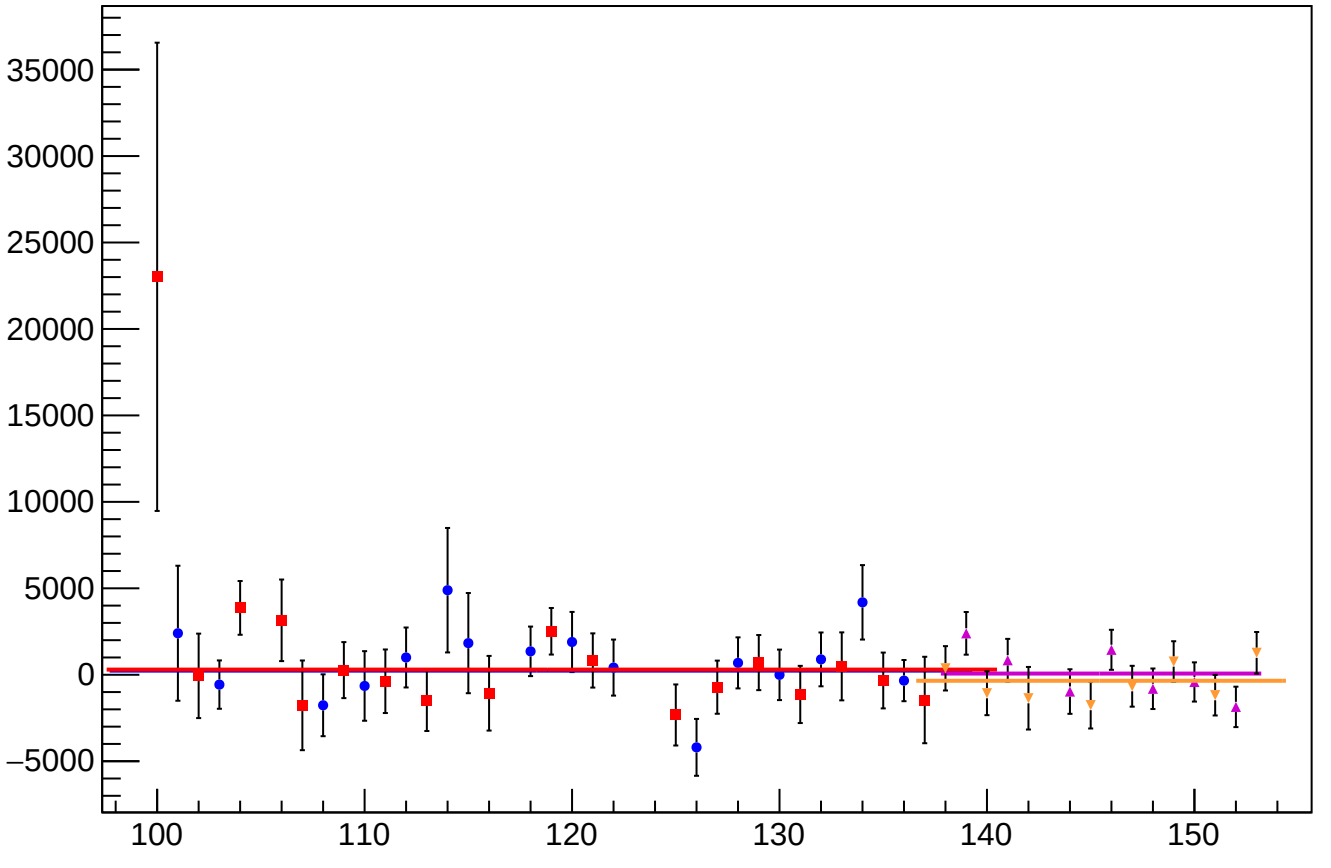
Left: 449.410+/-0.091 χ^2/NDF: 341078.5/14

Right: 398.136+/-0.080 χ^2/NDF: 4137620.1/33

In: 426.135+/-0.086 χ^2/NDF:2180379.2/22

Out: 414.945+/-0.084 χ^2/NDF:2467460.0/25

All: 420.411+/-0.060 χ^2/NDF: 4656449.2/48



Right In: 240.829+/-426.592 χ^2/NDF: 17.0/15

Left Out: -346.925+/-450.060 χ^2/NDF:5.3/7

Right Out: 298.922+/-430.767 χ^2/NDF: 18.7/17

Left In: 69.643+/-451.986 χ^2/NDF:9.5/6

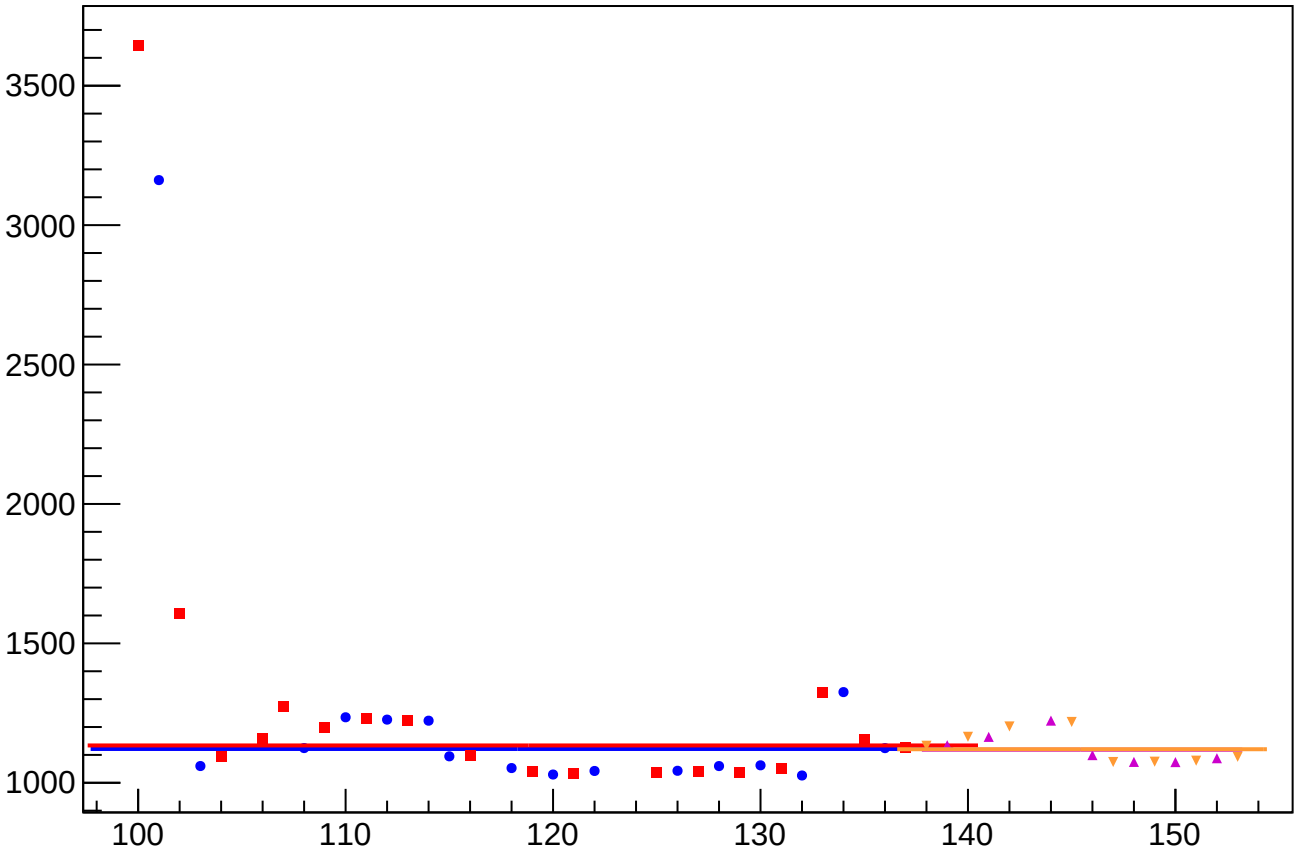
Left: -139.530+/-318.919 χ^2/NDF: 15.2/14

Right: 269.593+/-303.111 χ^2/NDF: 35.6/33

In: 160.180+/-310.235 χ^2/NDF:26.5/22

Out: -9.862+/-311.195 χ^2/NDF:25.1/25

All: 75.422+/-219.708 χ^2/NDF: 51.7/48



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1120.357+/-0.318 χ^2/NDF:26553.8/7

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1118.721+/-0.320 χ^2/NDF:23985.3/6

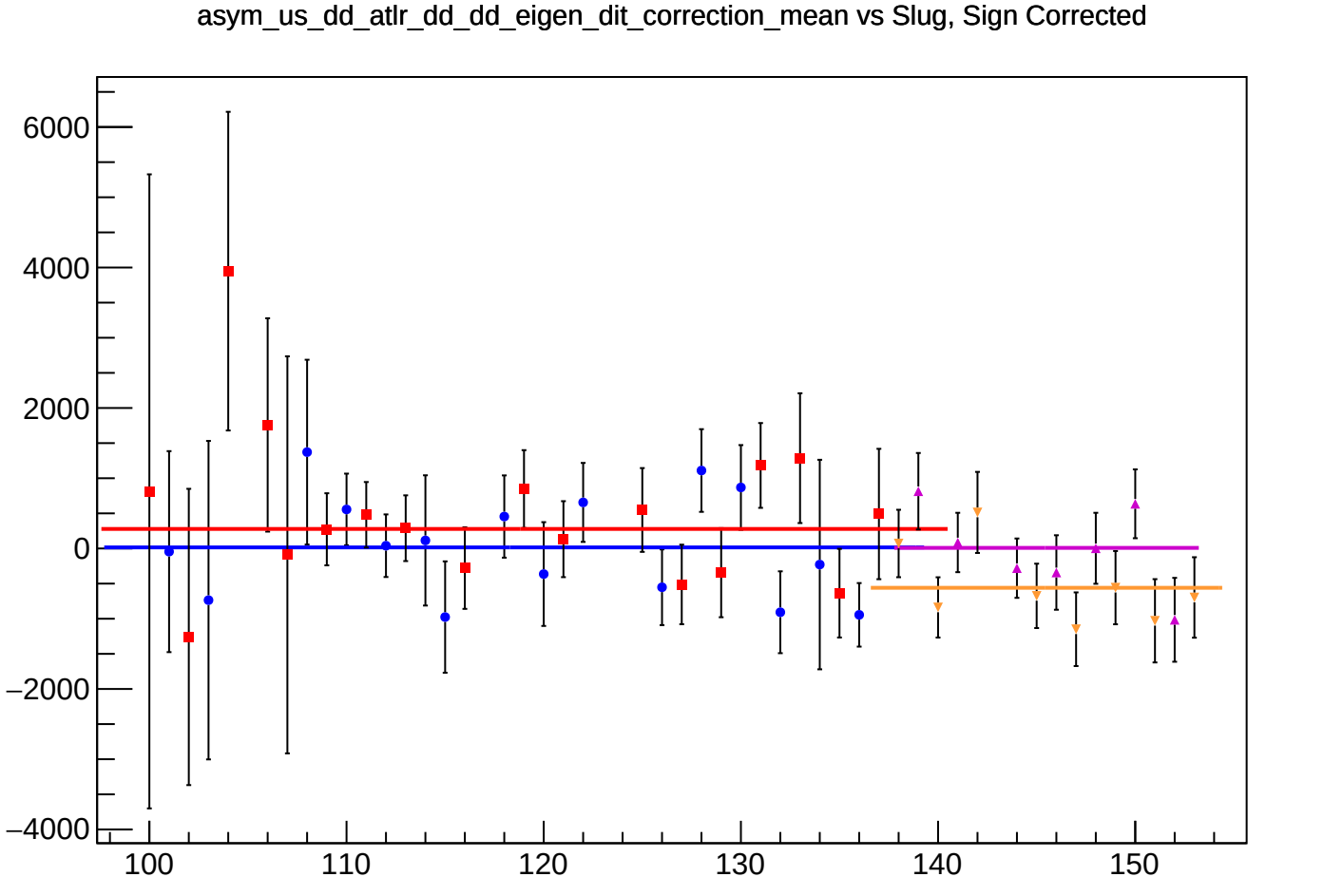
Left: 1119.543+/-0.226 χ^2/NDF: 50552.2/14

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

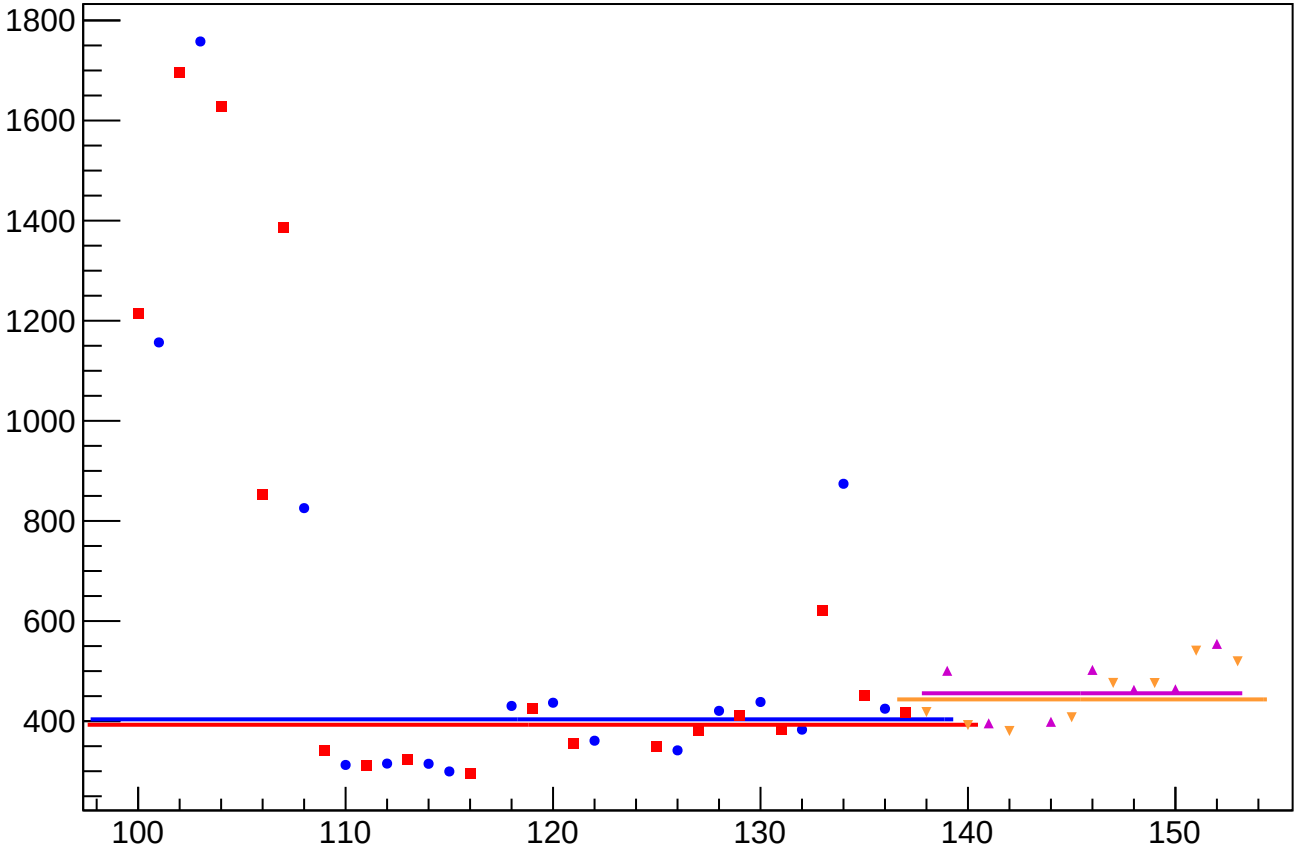
In: 1120.082+/-0.219 χ^2/NDF:641047.9/22

Out: 1127.440+/-0.220 χ^2/NDF:254960.1/25

All: 1123.750+/-0.155 χ^2/NDF: 896568.9/48


asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
Right In: 15.288+/-161.844 χ²/NDF: 19.6/15
Left Out: -559.737+/-180.336 χ²/NDF:7.6/7
Right Out: 278.249+/-158.826 χ²/NDF: 15.1/17
Left In: 8.628+/-185.622 χ²/NDF:7.7/6
Left: -283.762+/-129.345 χ²/NDF: 20.2/14
Right: 149.243+/-113.359 χ²/NDF: 36.0/33
In: 12.412+/-121.987 χ²/NDF:27.3/22
Out: -87.811+/-119.190 χ²/NDF:34.8/25
All: -38.862+/-85.252 χ²/NDF: 62.5/48

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: 443.468+/-0.128 χ^2/NDF:175168.8/7

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

Left In: 455.707+/-0.131 χ^2/NDF:161444.8/6

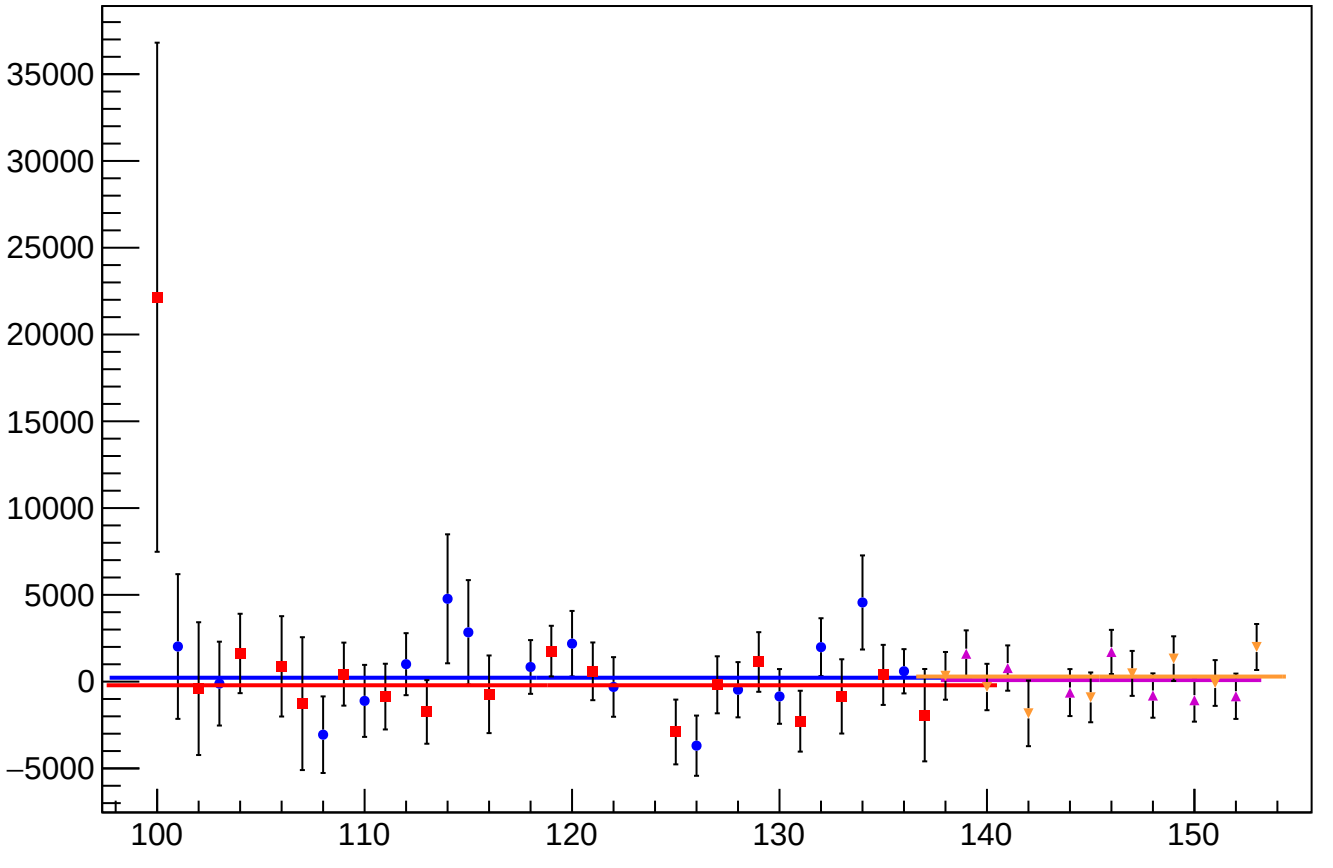
Left: 449.411+/-0.091 χ^2/NDF: 341086.3/14

Right: 398.133+/-0.080 χ^2/NDF: 4137623.7/33

In: 426.134+/-0.086 χ^2/NDF:2180393.8/22

Out: 414.943+/-0.084 χ^2/NDF:2467486.0/25

All: 420.409+/-0.060 χ^2/NDF: 4656490.9/48



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: 291.583+/-488.054 χ^2/NDF:4.6/7

Right Out: -209.751+/-477.820 χ^2/NDF: 11.0/17

Left In: 88.996+/-490.634 χ^2/NDF:5.3/6

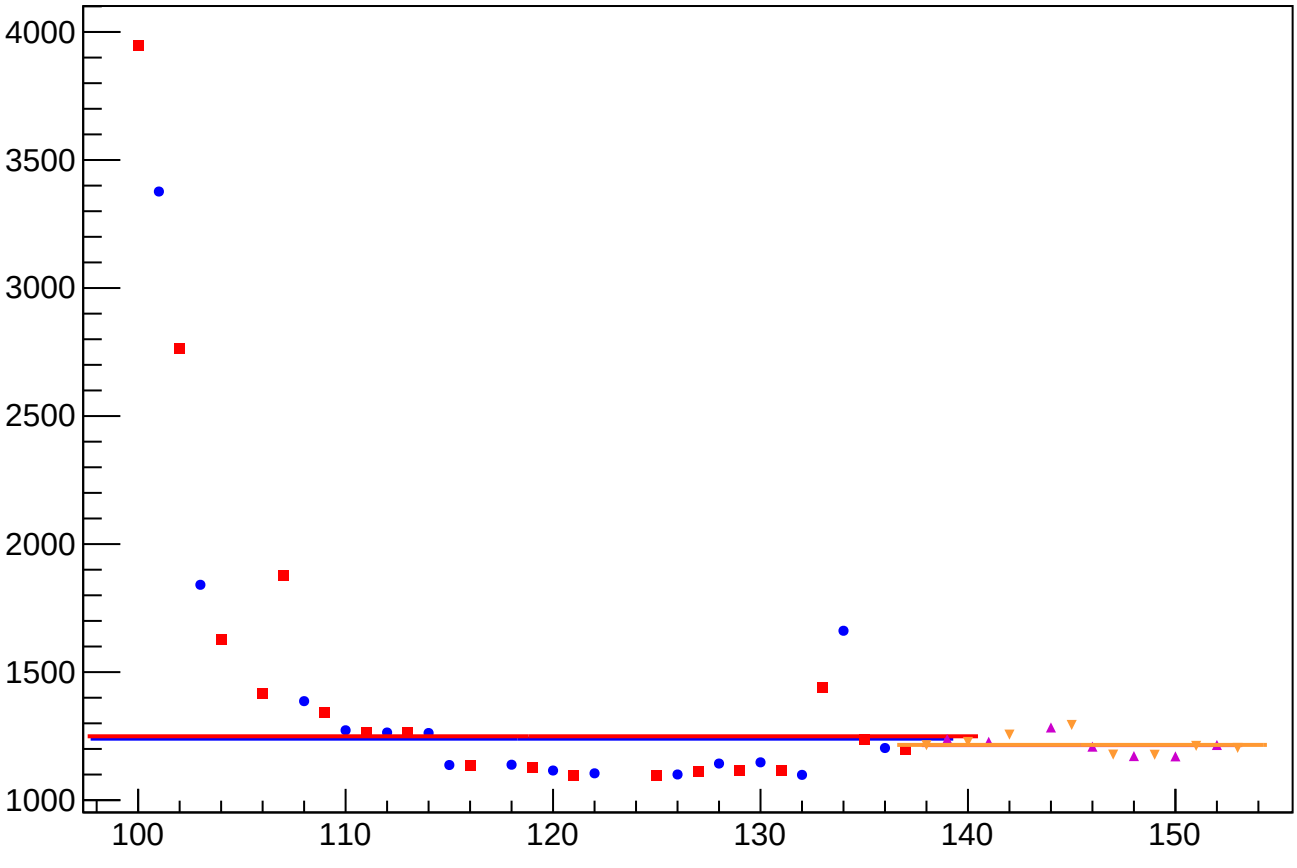
Left: 190.823+/-346.015 χ^2/NDF: 10.0/14

Right: 9.021+/-336.711 χ^2/NDF: 27.5/33

In: 159.168+/-341.105 χ^2/NDF:21.5/22

Out: 35.605+/-341.431 χ^2/NDF:16.0/25

All: 97.445+/-241.313 χ^2/NDF: 37.6/48



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1215.769+/-0.345 χ^2/NDF:10614.3/7

Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1215.015+/-0.347 χ^2/NDF:10828.1/6

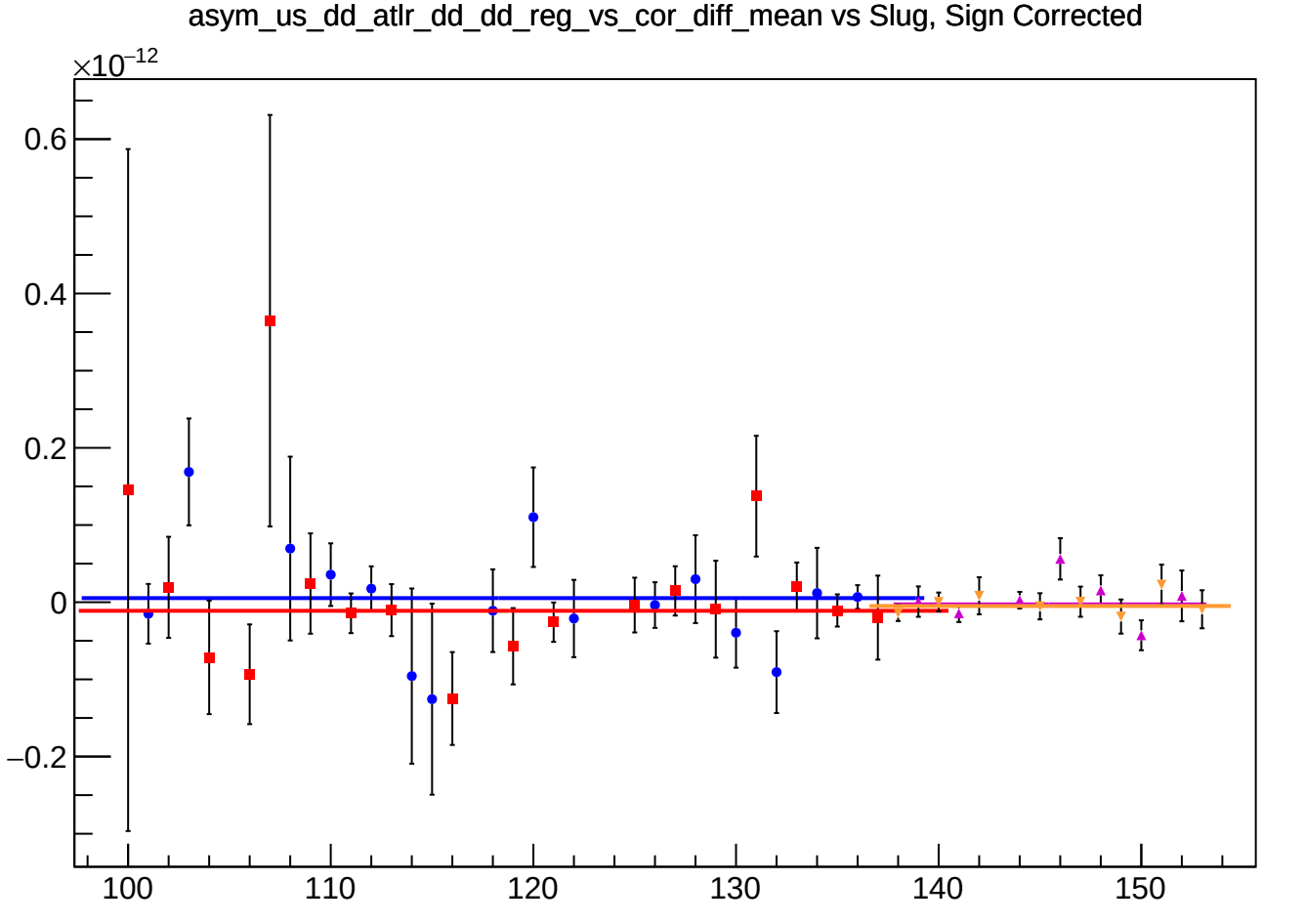
Left: 1215.394+/-0.245 χ^2/NDF: 21444.8/14

Right: 1244.743+/-0.238 χ^2/NDF: 1389157.9/33

In: 1227.996+/-0.241 χ^2/NDF:796217.5/22

Out: 1232.946+/-0.241 χ^2/NDF:621565.5/25

All: 1230.468+/-0.171 χ^2/NDF: 1417993.5/48



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:2.8/7

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

Left In: -0.000+/-0.000 χ^2/NDF:11.4/6

Left: -0.000+/-0.000 χ^2/NDF: 14.3/14

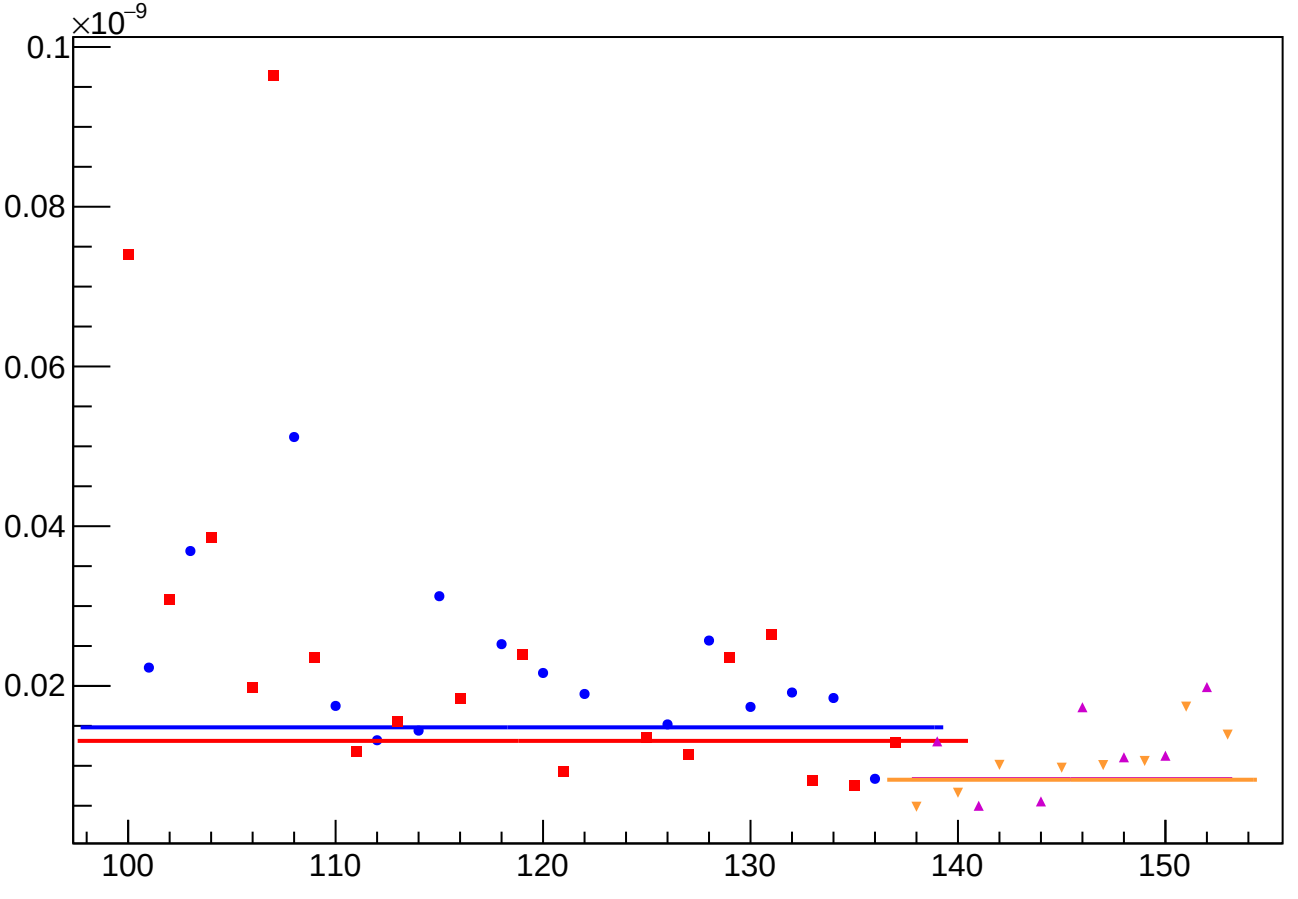
Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: -0.000+/-0.000 χ^2/NDF:28.3/22

Out: -0.000+/-0.000 χ^2/NDF:18.2/25

All: -0.000+/-0.000 χ^2/NDF: 47.2/48

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1081472.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:658994.4/7

Right Out: 0.000+/-0.000 χ^2/NDF: 1181949.6/17

Left In: 0.000+/-0.000 χ^2/NDF:978732.1/6

Left: 0.000+/-0.000 χ^2/NDF: 1637932.0/14

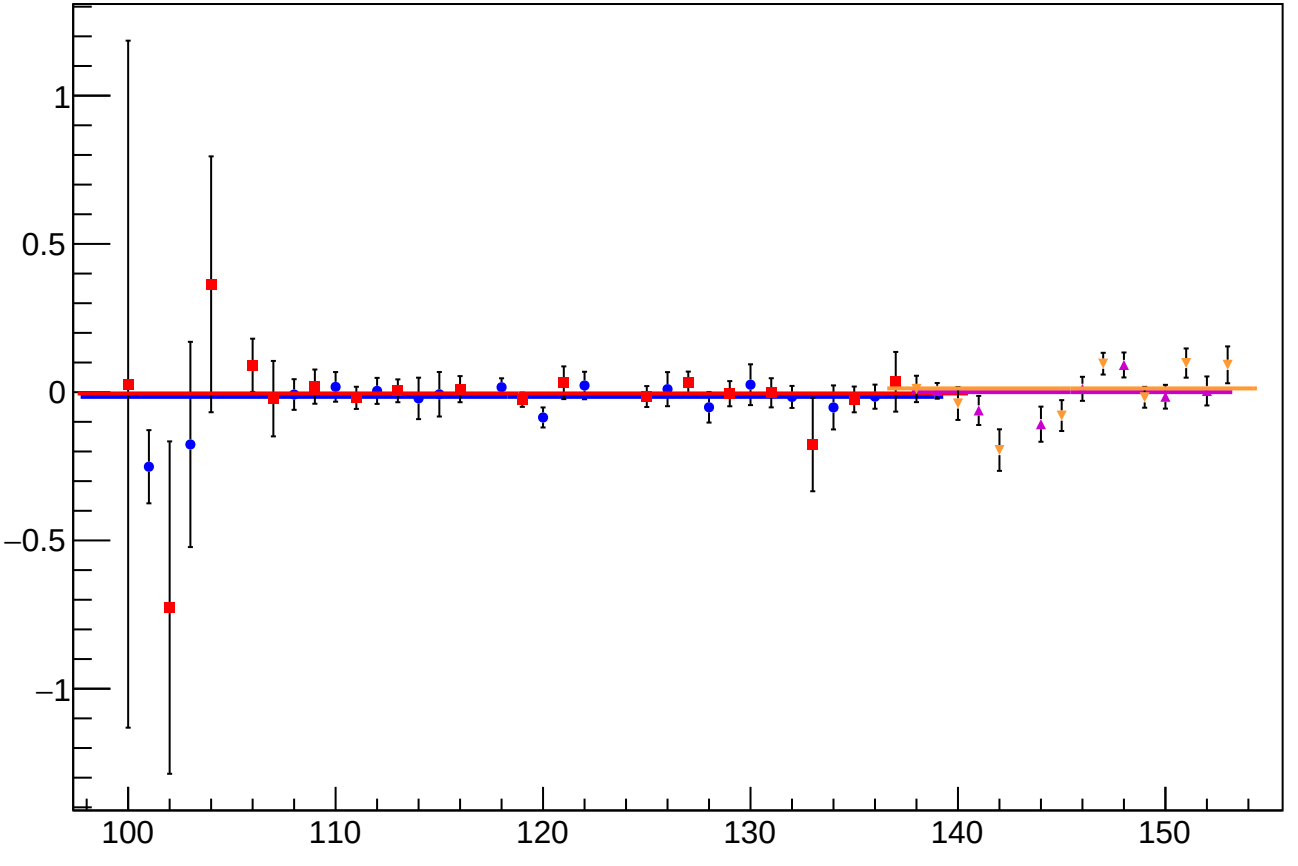
Right: 0.000+/-0.000 χ^2/NDF: 2295265.5/33

In: 0.000+/-0.000 χ^2/NDF:2701310.0/22

Out: 0.000+/-0.000 χ^2/NDF:2226046.1/25

All: 0.000+/-0.000 χ^2/NDF: 4939588.5/48

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.013+/-0.017 χ^2/NDF:23.3/7

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.000+/-0.015 χ^2/NDF:9.9/6

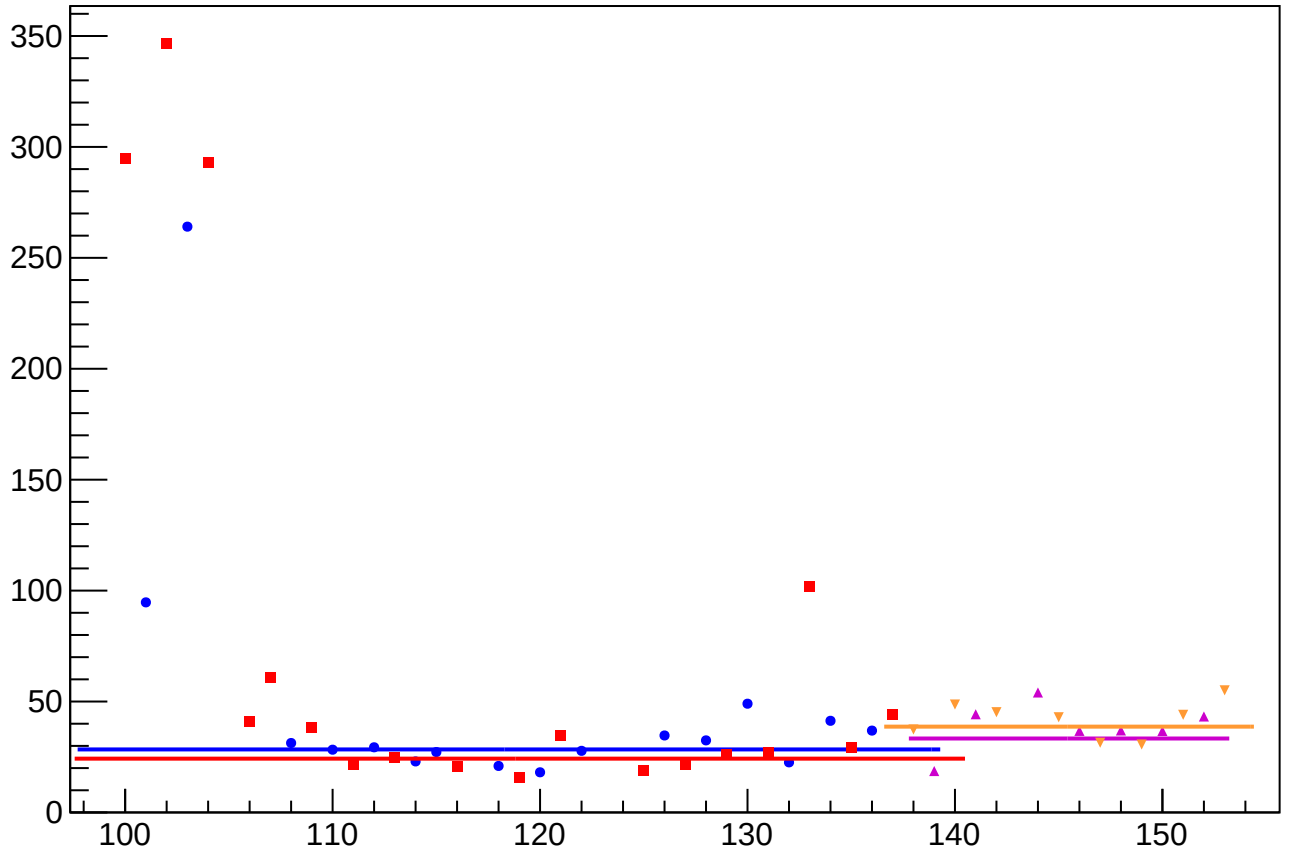
Left: 0.006+/-0.011 χ^2/NDF: 33.5/14

Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.009+/-0.010 χ^2/NDF:22.5/22

Out: 0.001+/-0.009 χ^2/NDF:31.8/25

All: -0.004+/-0.007 χ^2/NDF: 54.9/48



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 38.684+/-0.012 χ^2/NDF:441938.6/7

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 33.331+/-0.011 χ^2/NDF:1083130.4/6

Left: 35.768+/-0.008 χ^2/NDF: 1638238.8/14

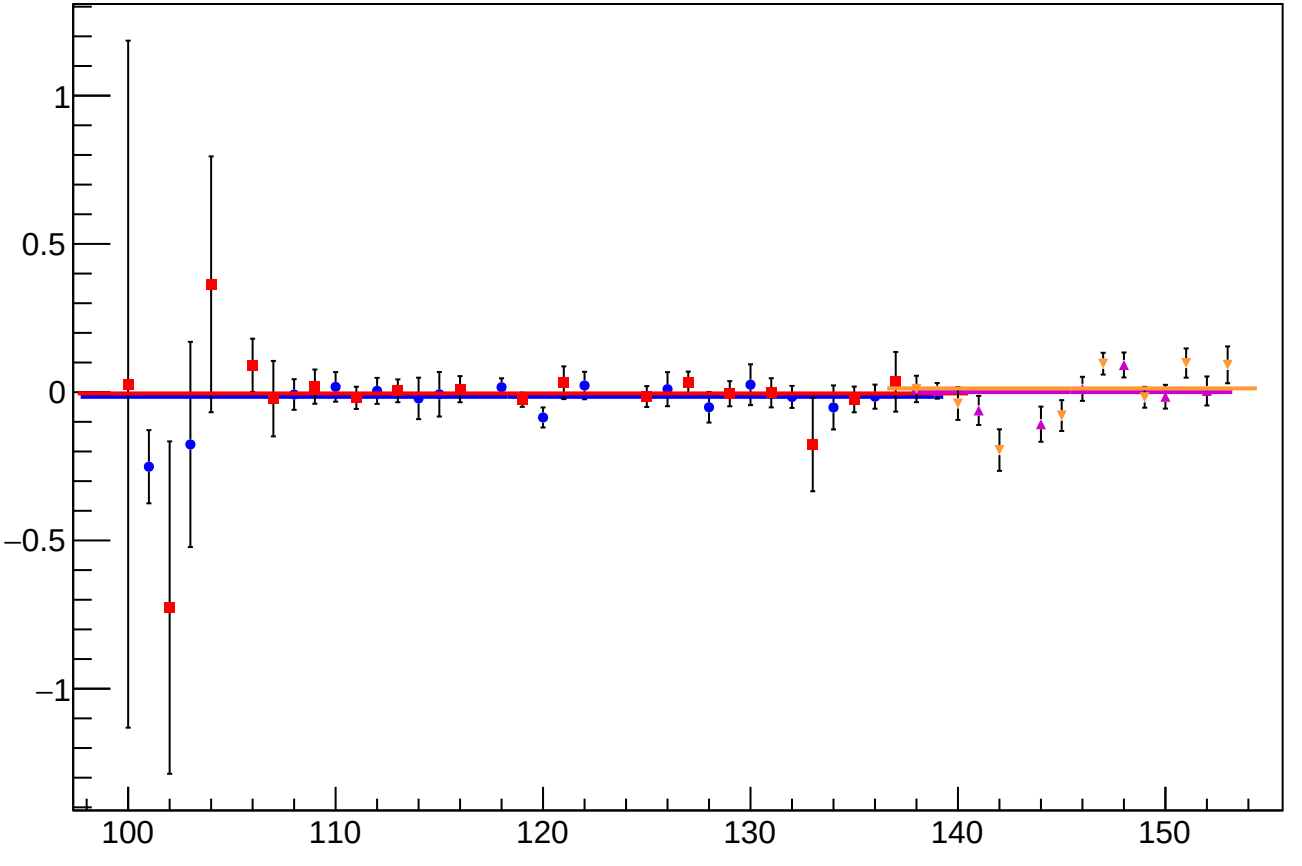
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 30.362+/-0.007 χ^2/NDF:3455544.5/22

Out: 28.897+/-0.007 χ^2/NDF:4379261.8/25

All: 29.619+/-0.005 χ^2/NDF: 7858640.5/48

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: 0.013+/-0.017 χ^2/NDF:23.3/7

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.000+/-0.015 χ^2/NDF:9.9/6

Left: 0.006+/-0.011 χ^2/NDF: 33.5/14

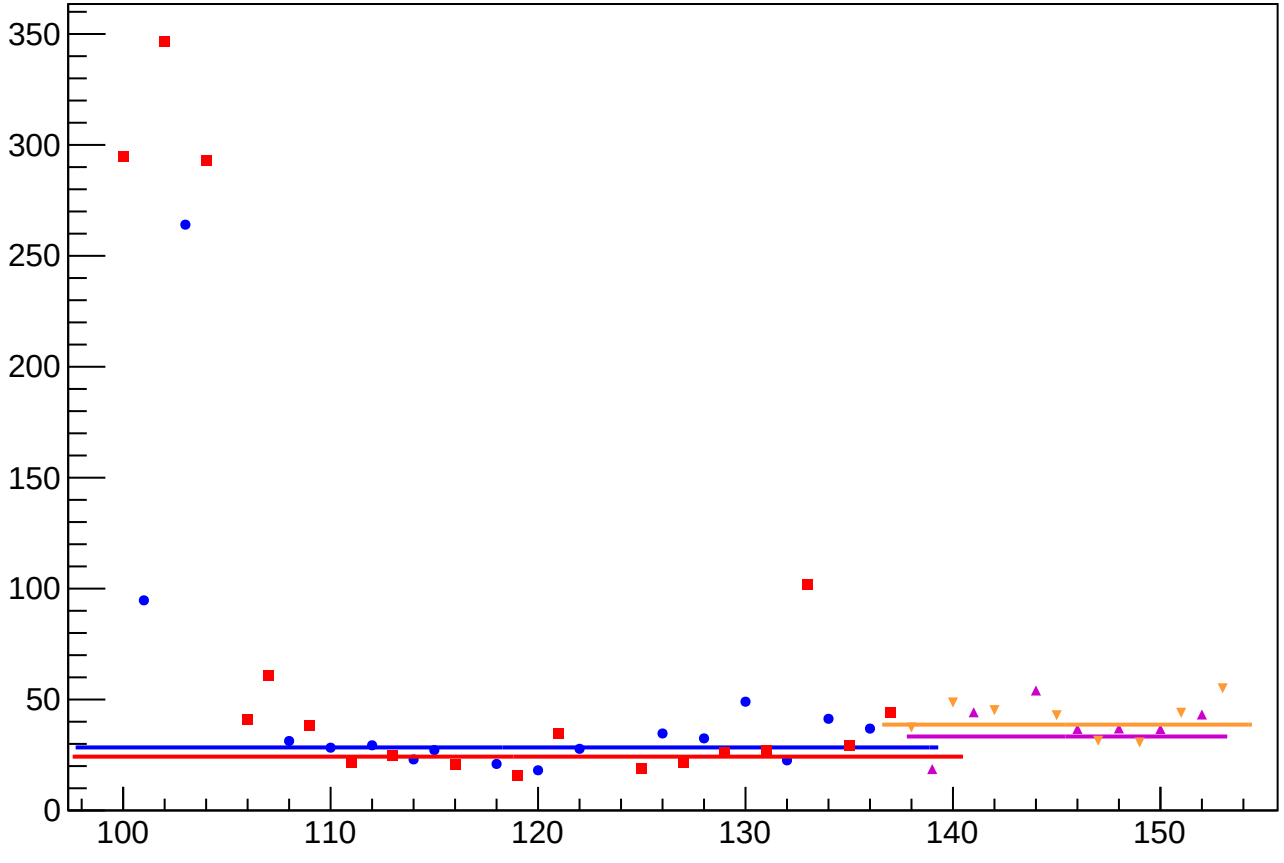
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.009+/-0.010 χ^2/NDF:22.5/22

Out: 0.001+/-0.009 χ^2/NDF:31.8/25

All: -0.004+/-0.007 χ^2/NDF: 54.9/48

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: 38.684+/-0.012 χ^2/NDF:441938.6/7

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 33.331+/-0.011 χ^2/NDF:1083130.4/6

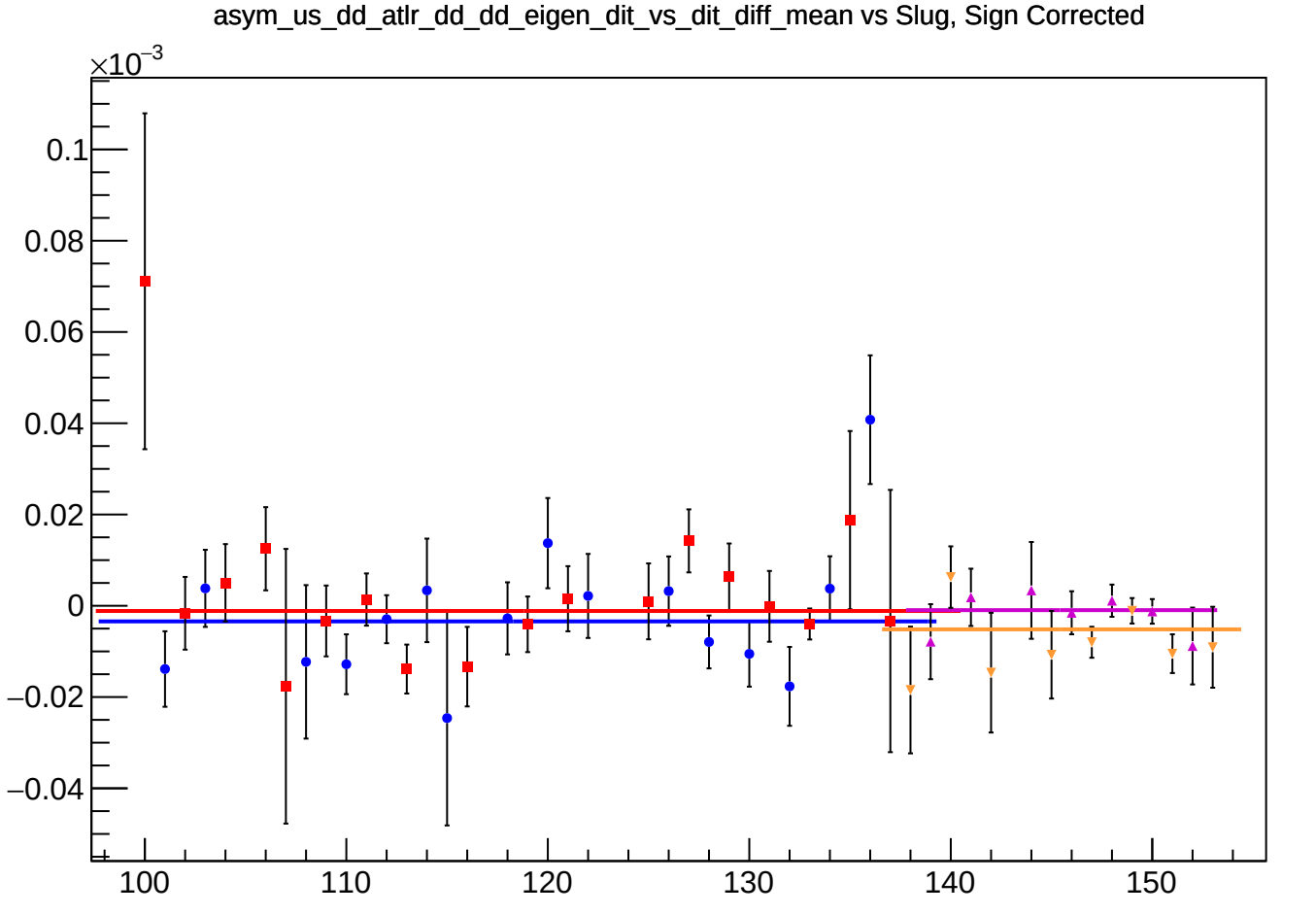
Left: 35.768+/-0.008 χ^2/NDF: 1638238.8/14

Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

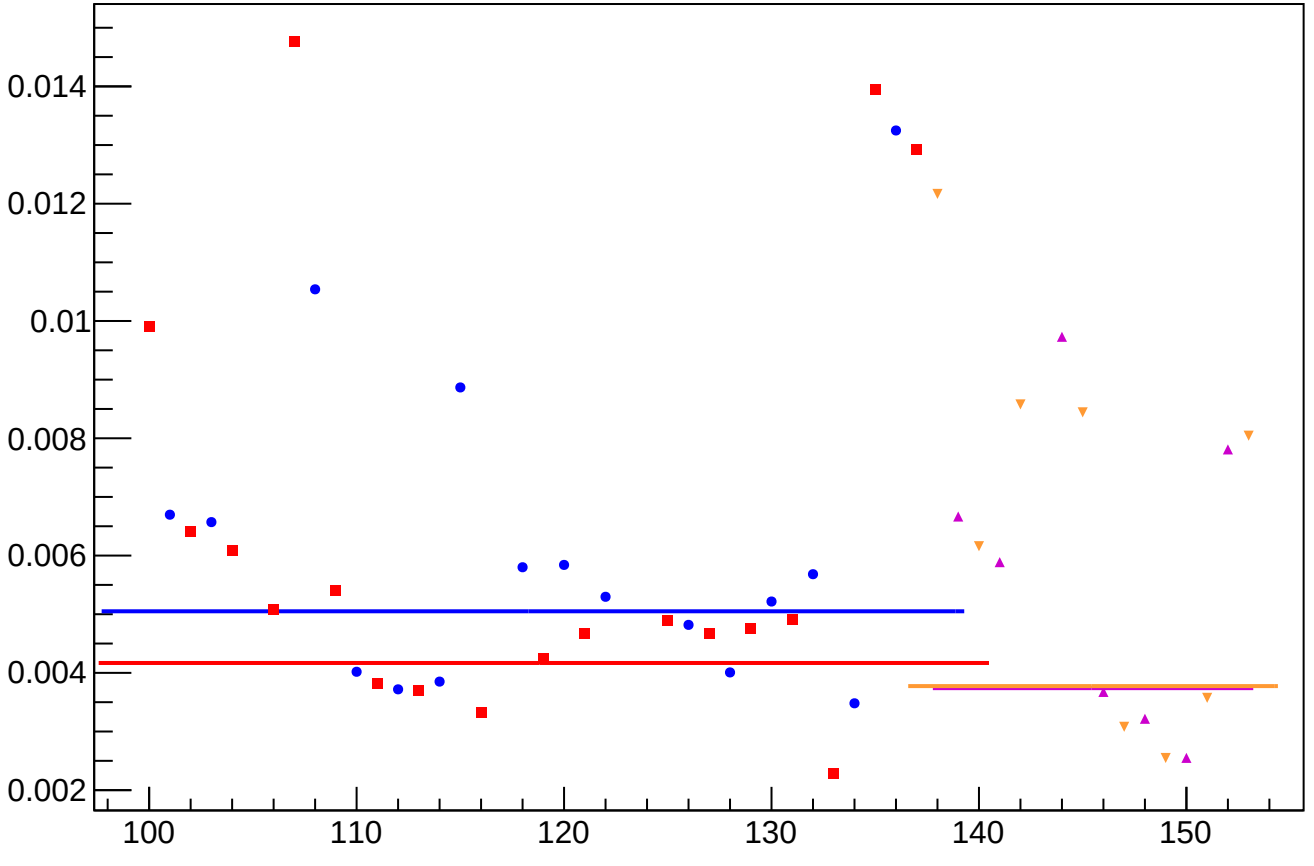
In: 30.362+/-0.007 χ^2/NDF:3455544.5/22

Out: 28.897+/-0.007 χ^2/NDF:4379261.8/25

All: 29.619+/-0.005 χ^2/NDF: 7858640.5/48


asym_us_dd_atlr_dd_dd_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
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 25.1/15
Left Out: -0.000+/-0.000 χ²/NDF:9.3/7
Right Out: -0.000+/-0.000 χ²/NDF: 23.0/17
Left In: -0.000+/-0.000 χ²/NDF:2.3/6
Left: -0.000+/-0.000 χ²/NDF: 14.5/14
Right: -0.000+/-0.000 χ²/NDF: 48.9/33
In: -0.000+/-0.000 χ²/NDF:28.3/22
Out: -0.000+/-0.000 χ²/NDF:35.0/25
All: -0.000+/-0.000 χ²/NDF: 63.6/48

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2660530.0/7

Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.004+/-0.000 χ^2/NDF:2026497.0/6

Left: 0.004+/-0.000 χ^2/NDF: 4687425.7/14

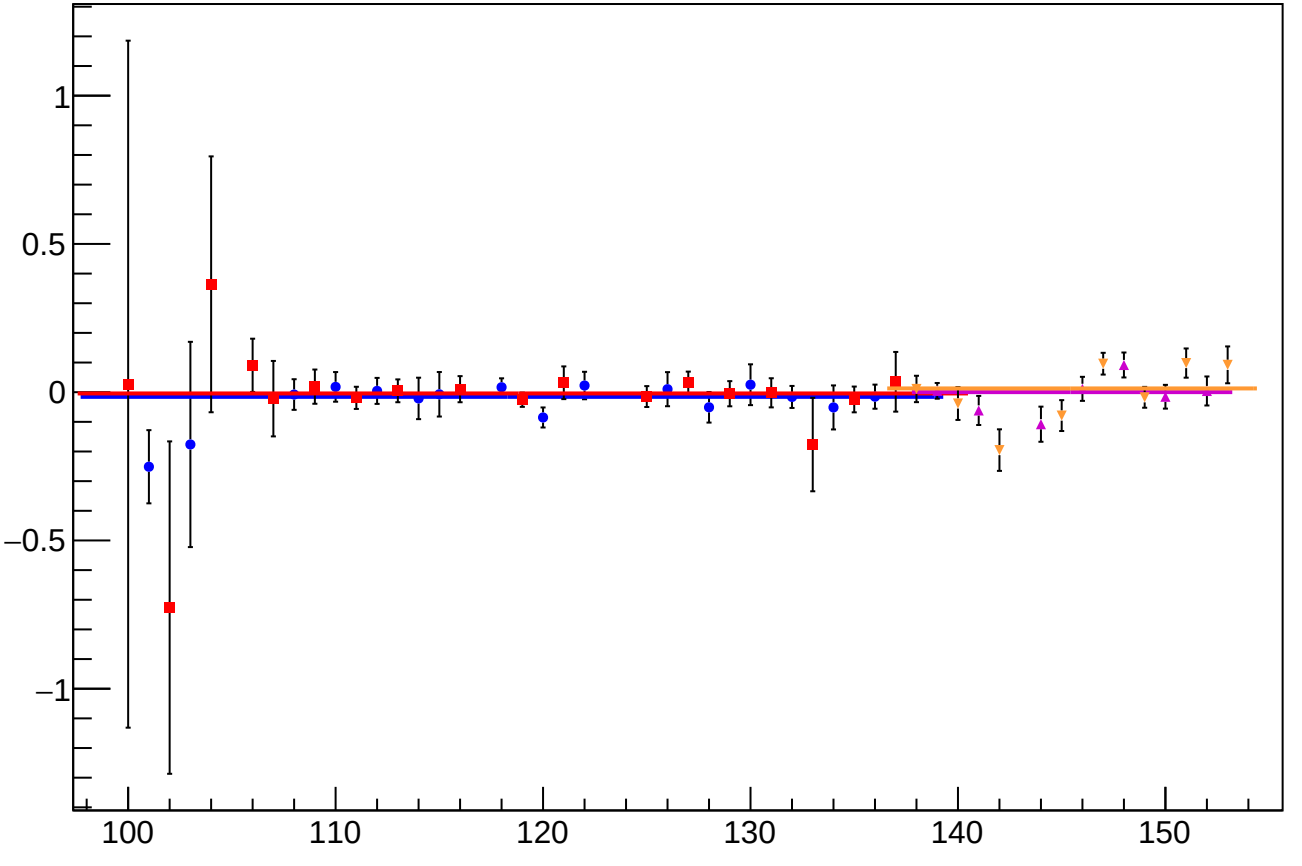
Right: 0.005+/-0.000 χ^2/NDF: 3758667.6/33

In: 0.004+/-0.000 χ^2/NDF:4000168.5/22

Out: 0.004+/-0.000 χ^2/NDF:4754828.9/25

All: 0.004+/-0.000 χ^2/NDF: 8819524.3/48

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: 0.013+/-0.017 χ^2/NDF:23.3/7

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.000+/-0.015 χ^2/NDF:9.9/6

Left: 0.006+/-0.011 χ^2/NDF: 33.5/14

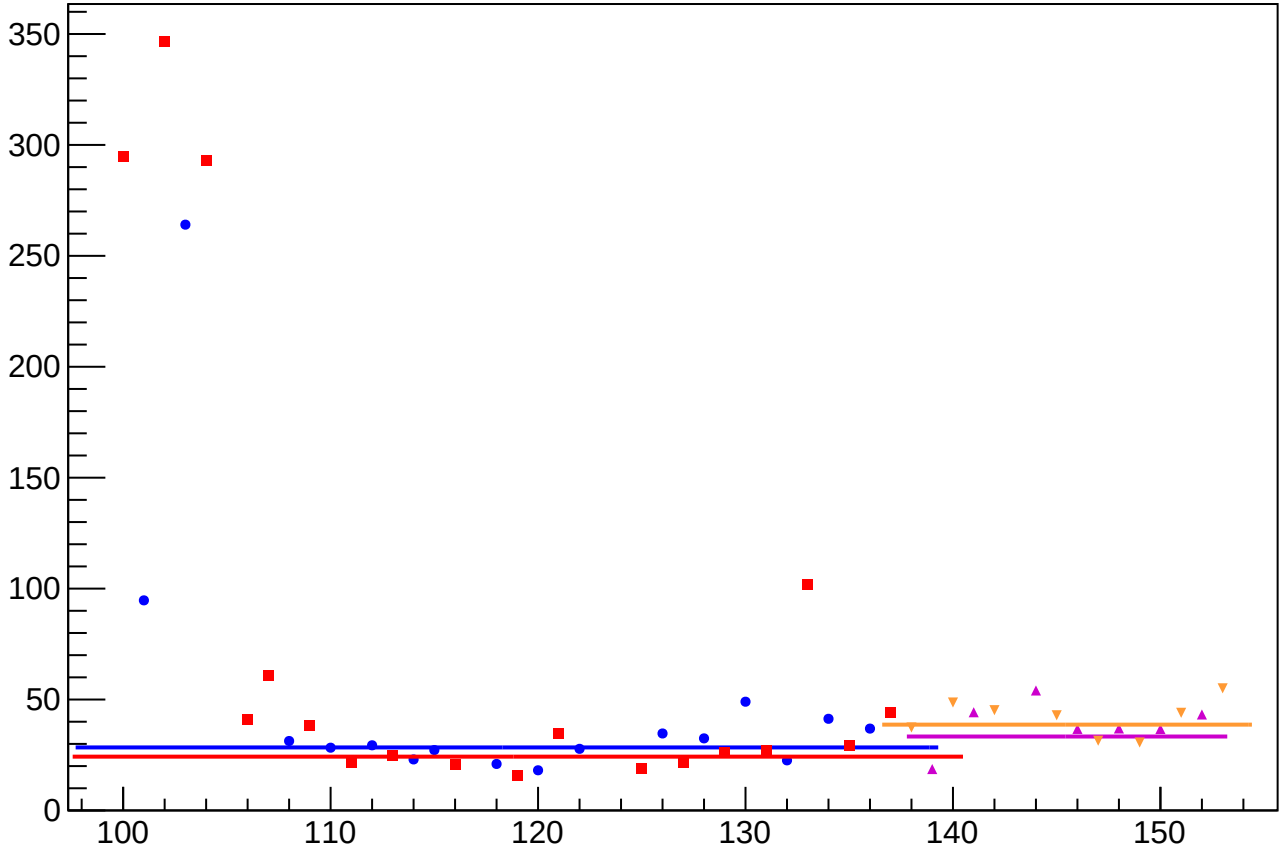
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.009+/-0.010 χ^2/NDF:22.5/22

Out: 0.001+/-0.009 χ^2/NDF:31.8/25

All: -0.004+/-0.007 χ^2/NDF: 54.9/48

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: 38.683+/-0.012 χ^2/NDF:442139.9/7

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 33.329+/-0.011 χ^2/NDF:1083542.6/6

Left: 35.766+/-0.008 χ^2/NDF: 1638907.5/14

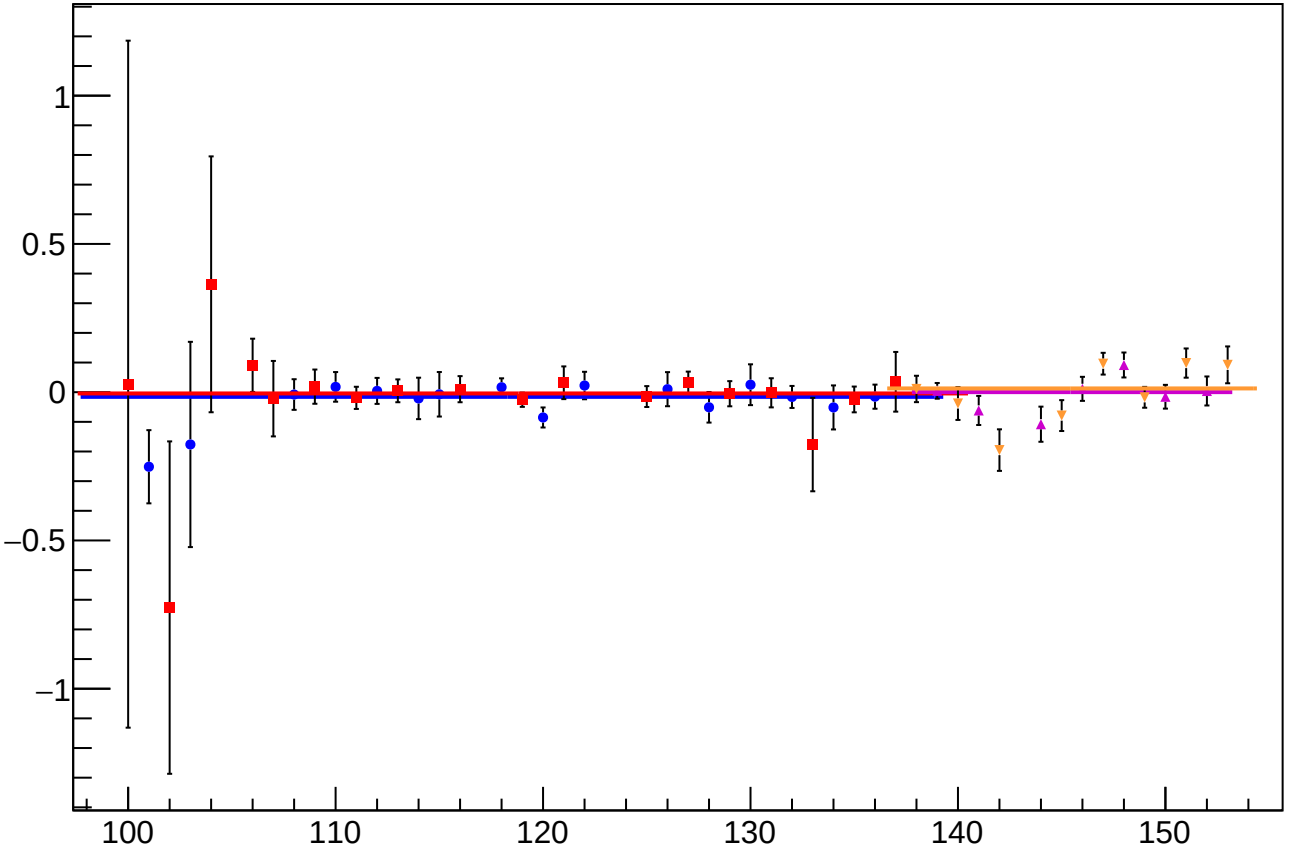
Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 30.361+/-0.007 χ^2/NDF:3455873.1/22

Out: 28.895+/-0.007 χ^2/NDF:4379830.6/25

All: 29.618+/-0.005 χ^2/NDF: 7859565.8/48

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: 0.013+/-0.017 χ^2/NDF:23.3/7

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: 0.000+/-0.015 χ^2/NDF:9.9/6

Left: 0.006+/-0.011 χ^2/NDF: 33.5/14

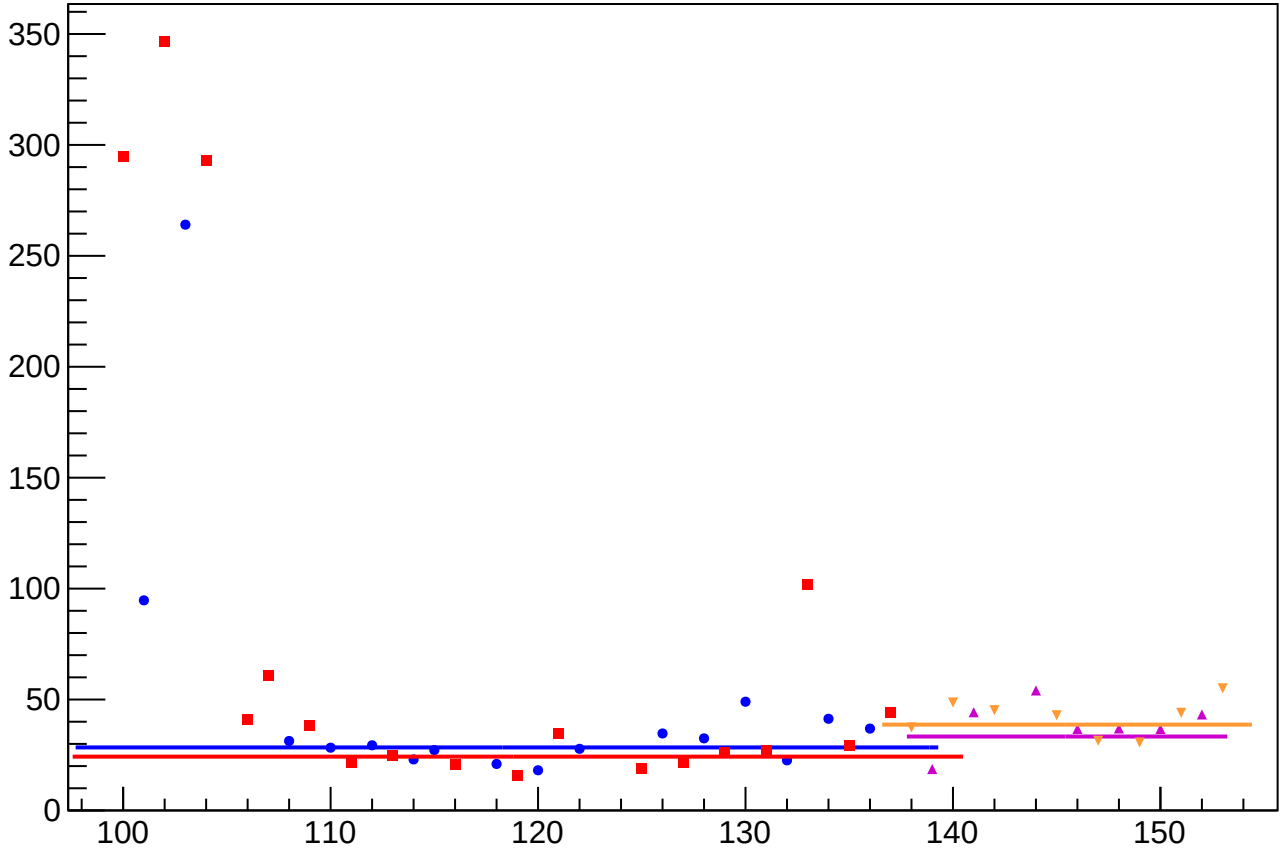
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.009+/-0.010 χ^2/NDF:22.5/22

Out: 0.001+/-0.009 χ^2/NDF:31.8/25

All: -0.004+/-0.007 χ^2/NDF: 54.9/48

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: 38.683+/-0.012 χ^2/NDF:442139.9/7

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 33.329+/-0.011 χ^2/NDF:1083542.6/6

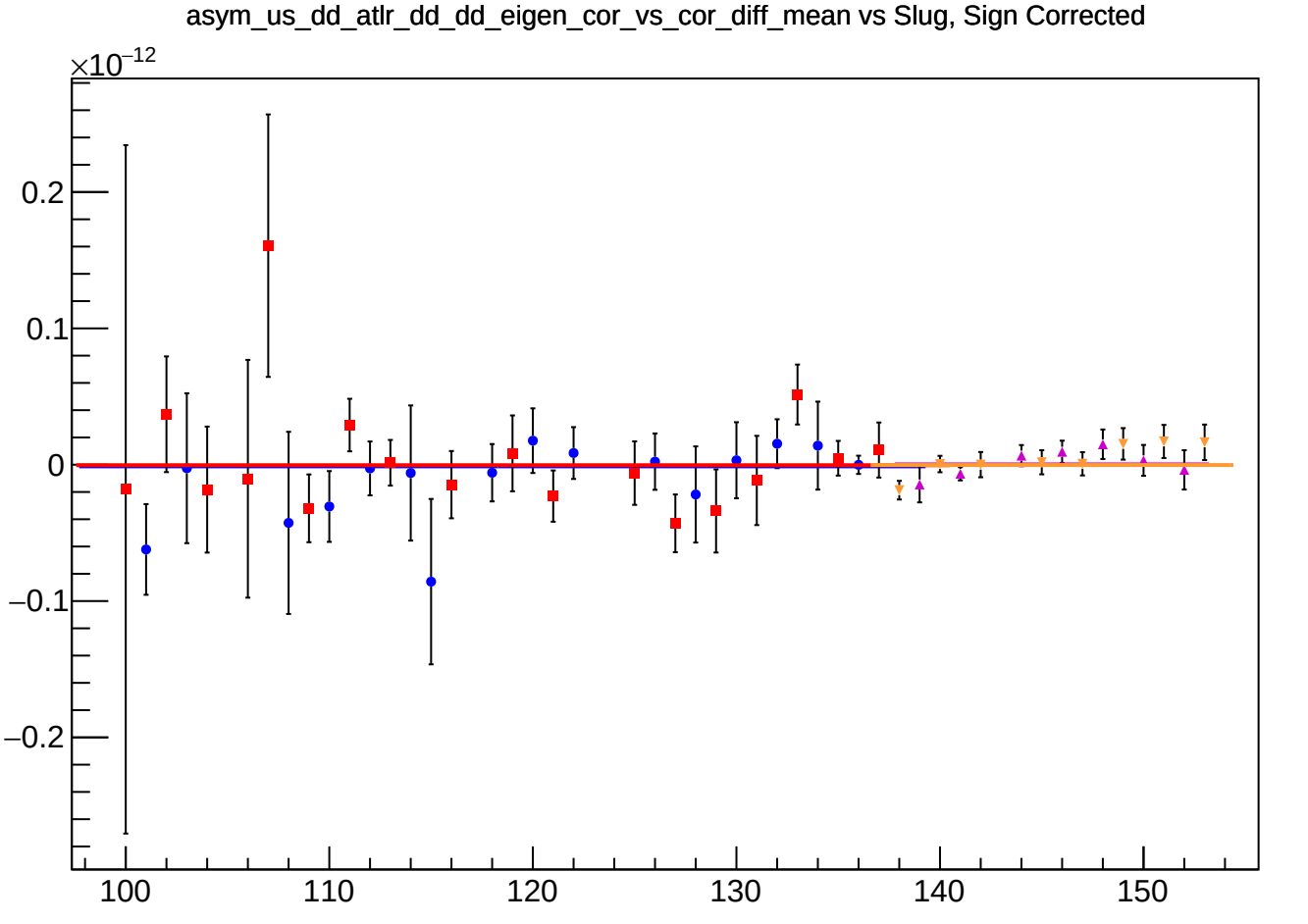
Left: 35.766+/-0.008 χ^2/NDF: 1638907.5/14

Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 30.361+/-0.007 χ^2/NDF:3455873.1/22

Out: 28.895+/-0.007 χ^2/NDF:4379830.6/25

All: 29.618+/-0.005 χ^2/NDF: 7859565.8/48



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.8/7

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: 0.000+/-0.000 χ^2/NDF:7.2/6

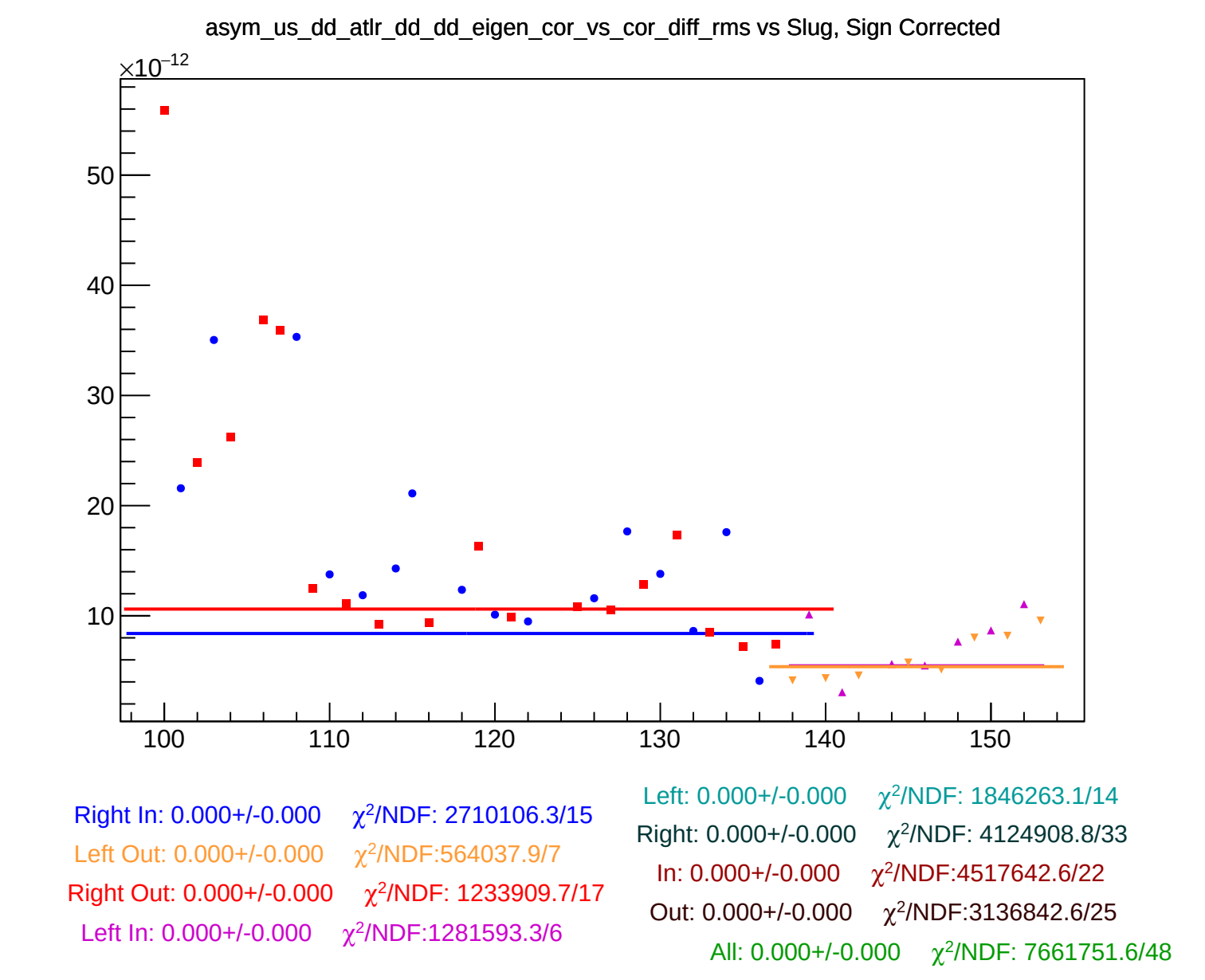
Left: -0.000+/-0.000 χ^2/NDF: 20.0/14

Right: -0.000+/-0.000 χ^2/NDF: 30.5/33

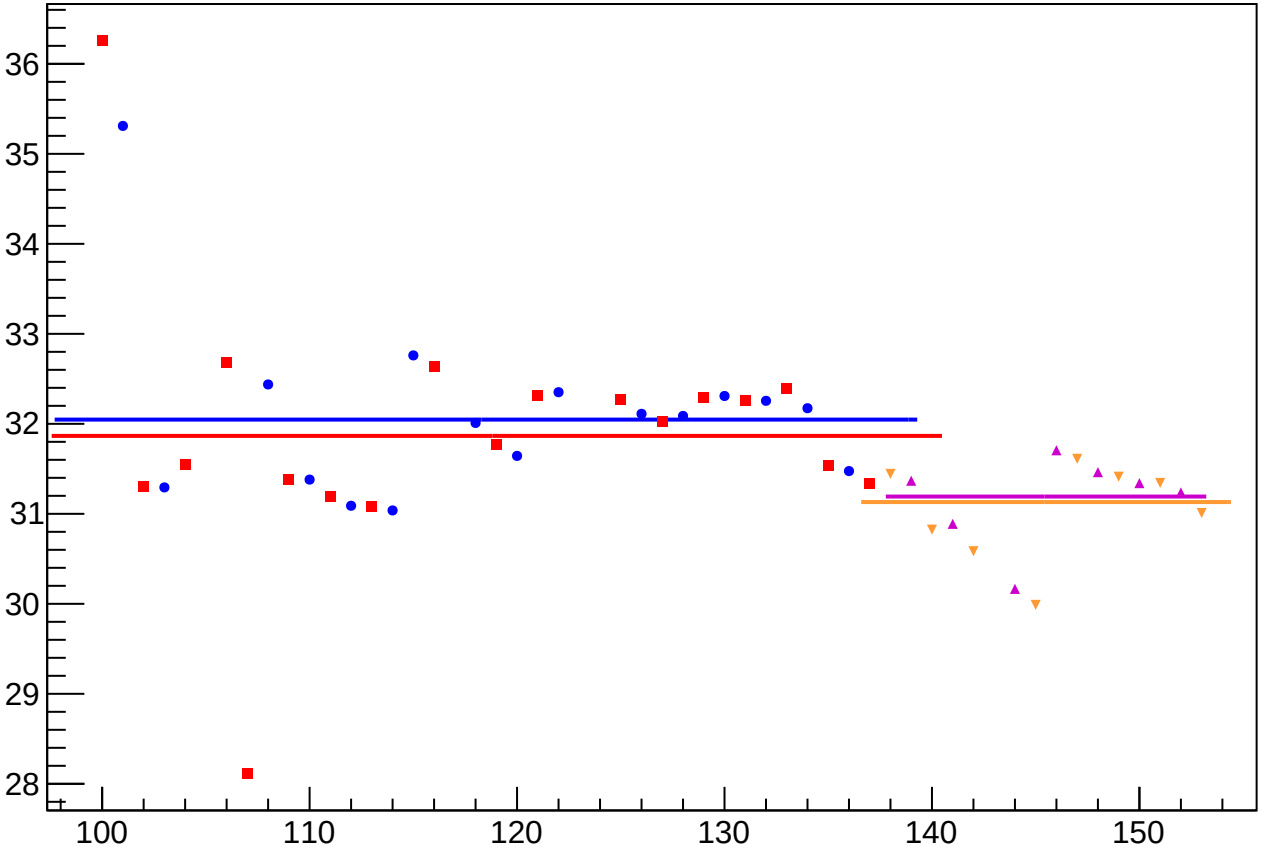
In: -0.000+/-0.000 χ^2/NDF:16.7/22

Out: -0.000+/-0.000 χ^2/NDF:33.9/25

All: -0.000+/-0.000 χ^2/NDF: 50.6/48


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
Right In: 0.000+/-0.000 χ²/NDF: 2710106.3/15
Left Out: 0.000+/-0.000 χ²/NDF:564037.9/7
Right Out: 0.000+/-0.000 χ²/NDF: 1233909.7/17
Left In: 0.000+/-0.000 χ²/NDF:1281593.3/6
Left: 0.000+/-0.000 χ²/NDF: 1846263.1/14
Right: 0.000+/-0.000 χ²/NDF: 4124908.8/33
In: 0.000+/-0.000 χ²/NDF:4517642.6/22
Out: 0.000+/-0.000 χ²/NDF:3136842.6/25
All: 0.000+/-0.000 χ²/NDF: 7661751.6/48

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.131+/-0.000 χ^2/NDF:185894561.6/7

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

Left In: 31.192+/-0.000 χ^2/NDF:171589869.4/6

Left: 31.161+/-0.000 χ^2/NDF: 359066112.5/14

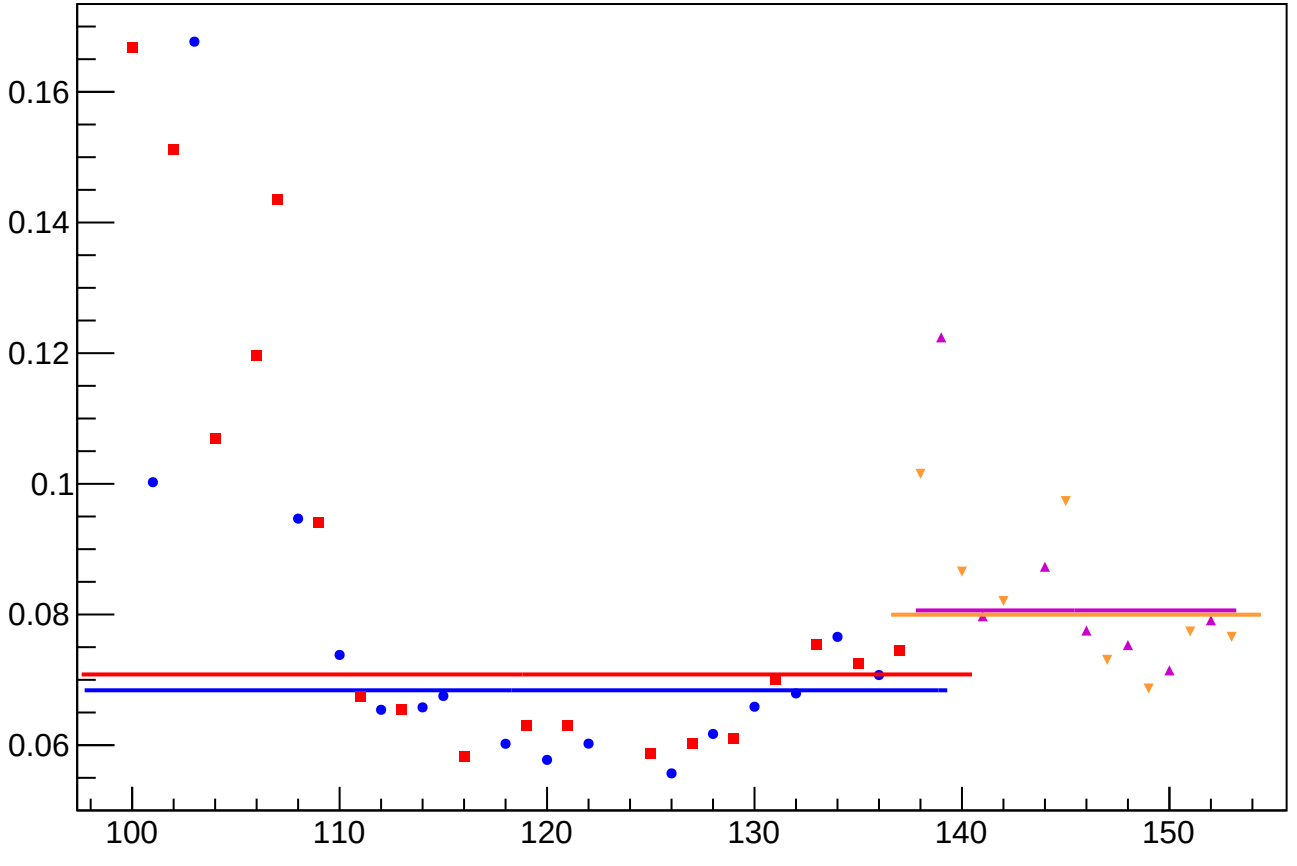
Right: 31.960+/-0.000 χ^2/NDF: 1405663241.1/33

In: 31.720+/-0.000 χ^2/NDF:1444505857.8/22

Out: 31.565+/-0.000 χ^2/NDF:946200931.6/25

All: 31.644+/-0.000 χ^2/NDF: 2416181197.7/4

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

Left Out: 0.080+/-0.000 χ^2/NDF:180253.6/7

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

Left In: 0.081+/-0.000 χ^2/NDF:231013.9/6

Left: 0.080+/-0.000 χ^2/NDF: 411623.2/14

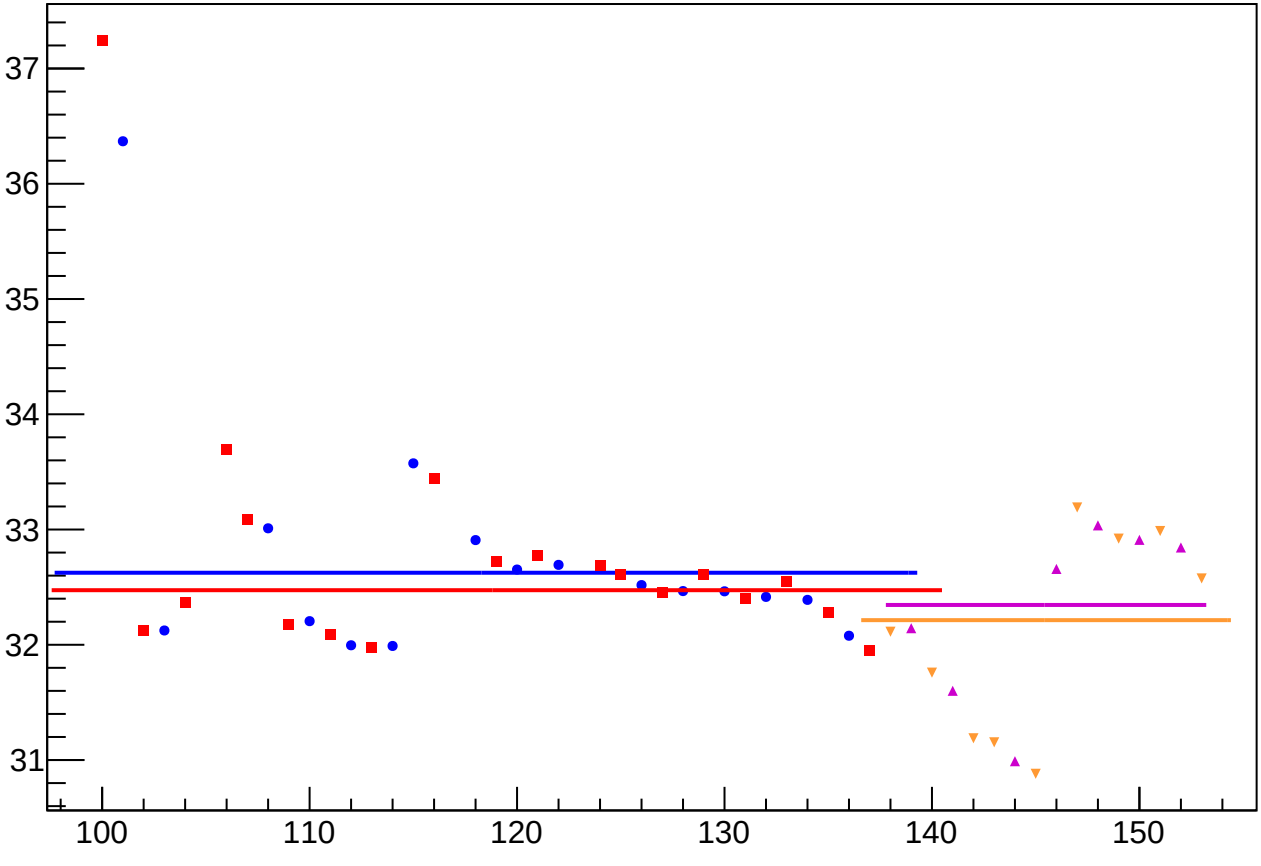
Right: 0.070+/-0.000 χ^2/NDF: 1579028.4/33

In: 0.073+/-0.000 χ^2/NDF:1087276.1/22

Out: 0.075+/-0.000 χ^2/NDF:1133504.3/25

All: 0.074+/-0.000 χ^2/NDF: 2225513.3/48

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.214+/-0.000 χ^2/NDF:734422393.9/8

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

Left In: 32.345+/-0.000 χ^2/NDF:508191885.9/6

Left: 32.275+/-0.000 χ^2/NDF: 1251103352.0/15

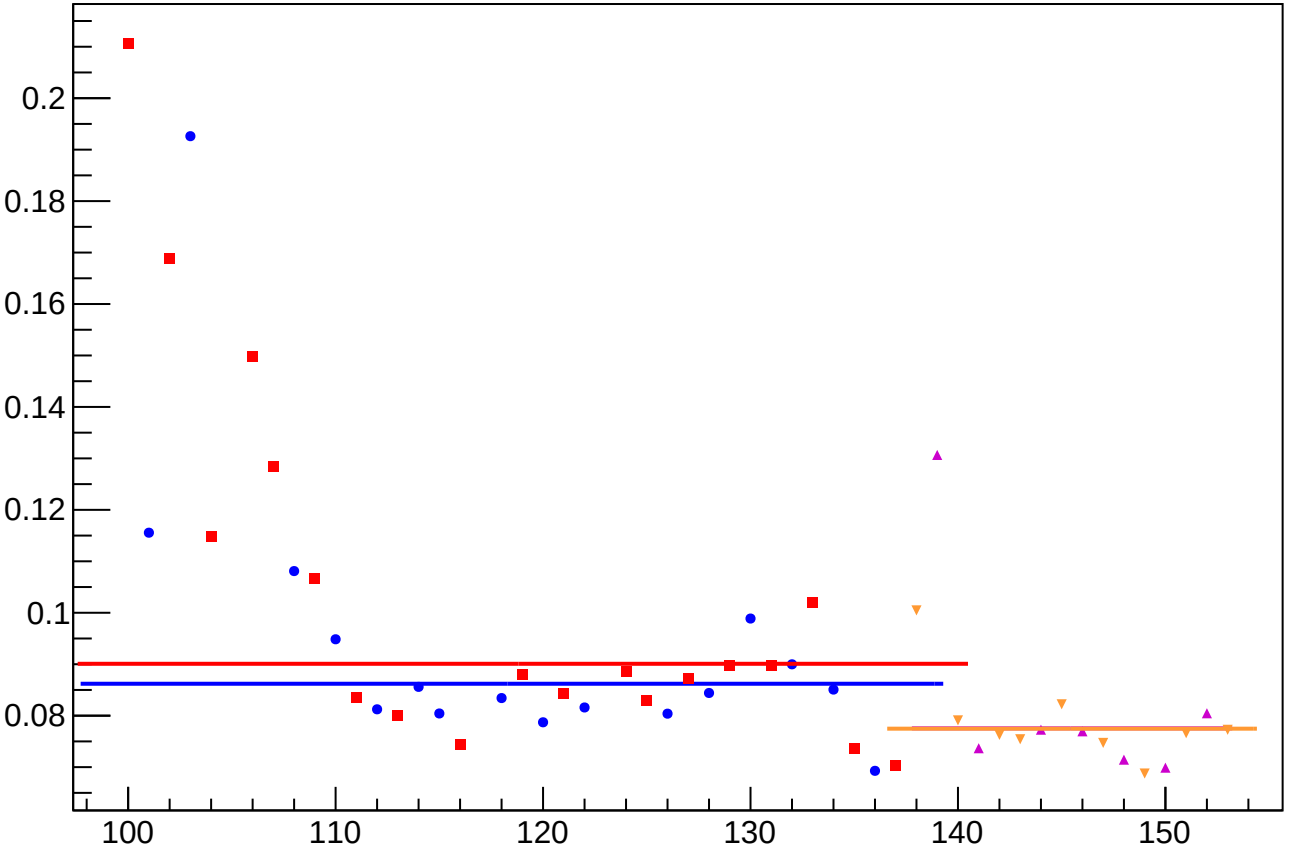
Right: 32.552+/-0.000 χ^2/NDF: 905331922.0/34

In: 32.480+/-0.000 χ^2/NDF:1281681785.0/22

Out: 32.326+/-0.000 χ^2/NDF:921708618.4/27

All: 32.401+/-0.000 χ^2/NDF: 2224649782.2/5

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:109119.6/8

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

Left In: 0.078+/-0.000 χ^2/NDF:307926.3/6

Left: 0.078+/-0.000 χ^2/NDF: 417049.7/15

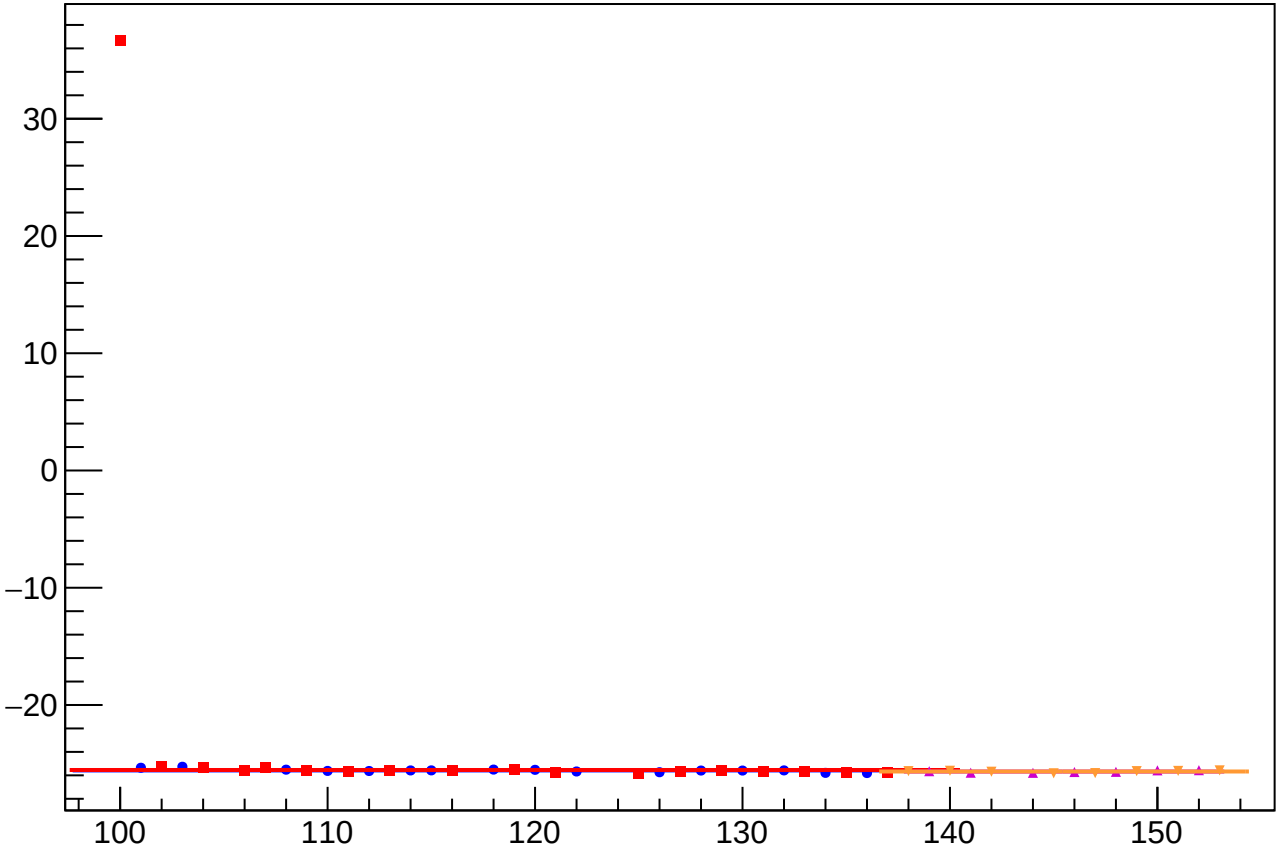
Right: 0.088+/-0.000 χ^2/NDF: 1232875.9/34

In: 0.082+/-0.000 χ^2/NDF:972697.6/22

Out: 0.083+/-0.000 χ^2/NDF:874477.1/27

All: 0.082+/-0.000 χ^2/NDF: 1849863.3/50

yield_dsl_mean vs Slug, Sign Corrected



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -25.672+/-0.000 χ^2/NDF:25550241.5/7

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

Left In: -25.677+/-0.000 χ^2/NDF:23781266.9/6

Left: -25.674+/-0.000 χ^2/NDF: 49378462.5/14

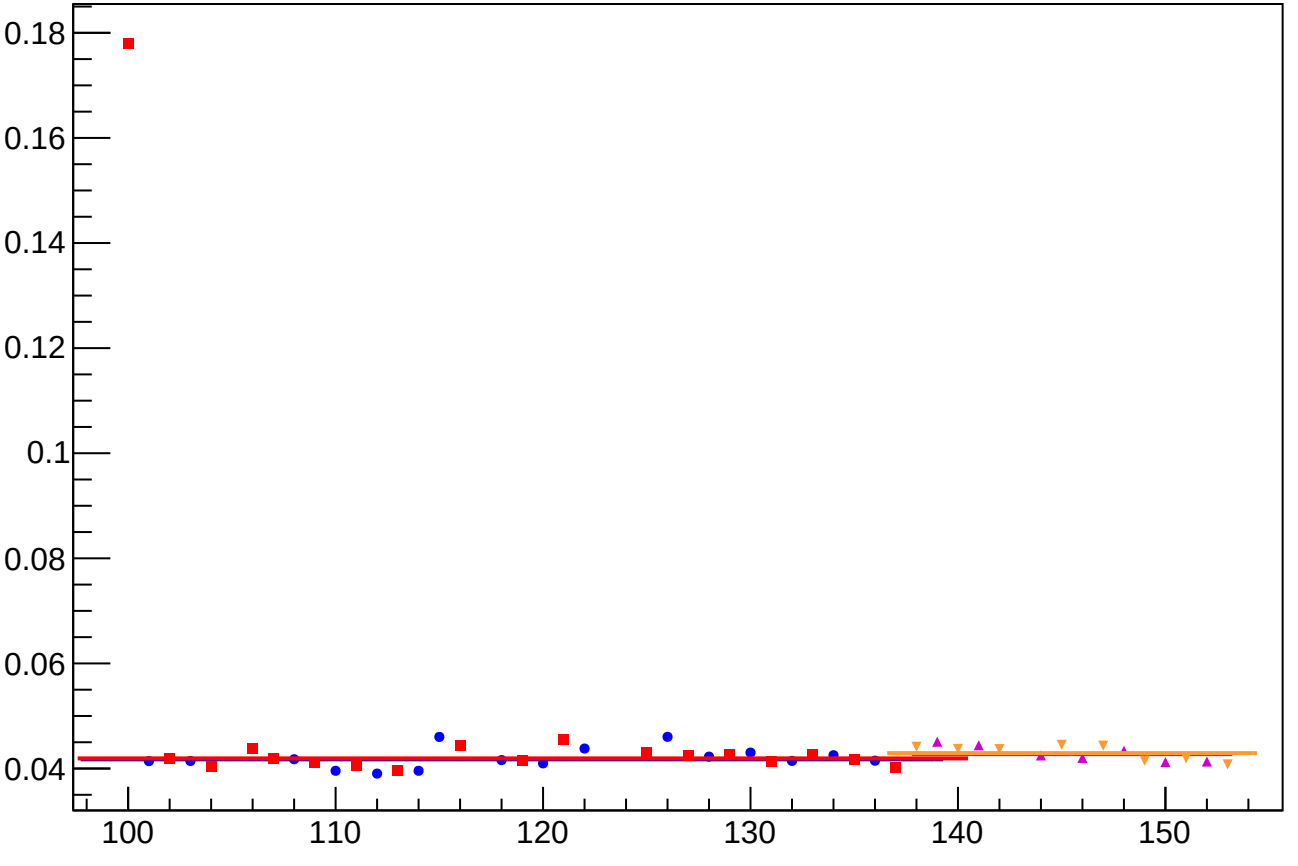
Right: -25.561+/-0.000 χ^2/NDF: 9008481743.9/33

In: -25.623+/-0.000 χ^2/NDF:139807514.6/22

Out: -25.601+/-0.000 χ^2/NDF:8963200786.8/25

All: -25.612+/-0.000 χ^2/NDF: 9104780130.8/

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.042+/-0.000 χ^2/NDF: 20733.3/15

Left Out: 0.043+/-0.000 χ^2/NDF:13077.2/7

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

Left In: 0.043+/-0.000 χ^2/NDF:12427.2/6

Left: 0.043+/-0.000 χ^2/NDF: 25627.1/14

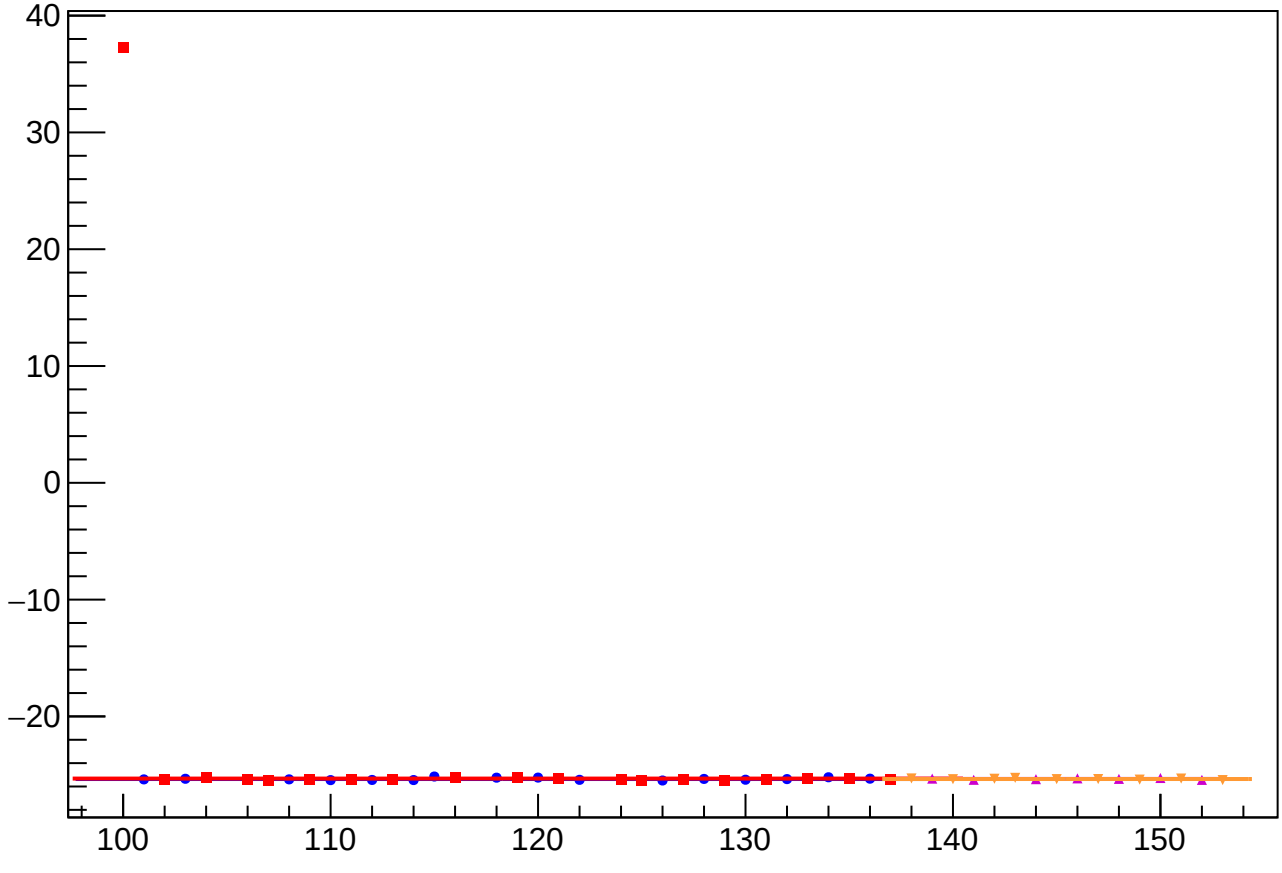
Right: 0.042+/-0.000 χ^2/NDF: 121007.1/33

In: 0.042+/-0.000 χ^2/NDF:36780.8/22

Out: 0.042+/-0.000 χ^2/NDF:116936.7/25

All: 0.042+/-0.000 χ^2/NDF: 153974.1/48

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.359+/-0.000 χ^2/NDF:6651842.1/8

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

Left In: -25.352+/-0.000 χ^2/NDF:5869514.3/6

Left: -25.356+/-0.000 χ^2/NDF: 12570506.7/15

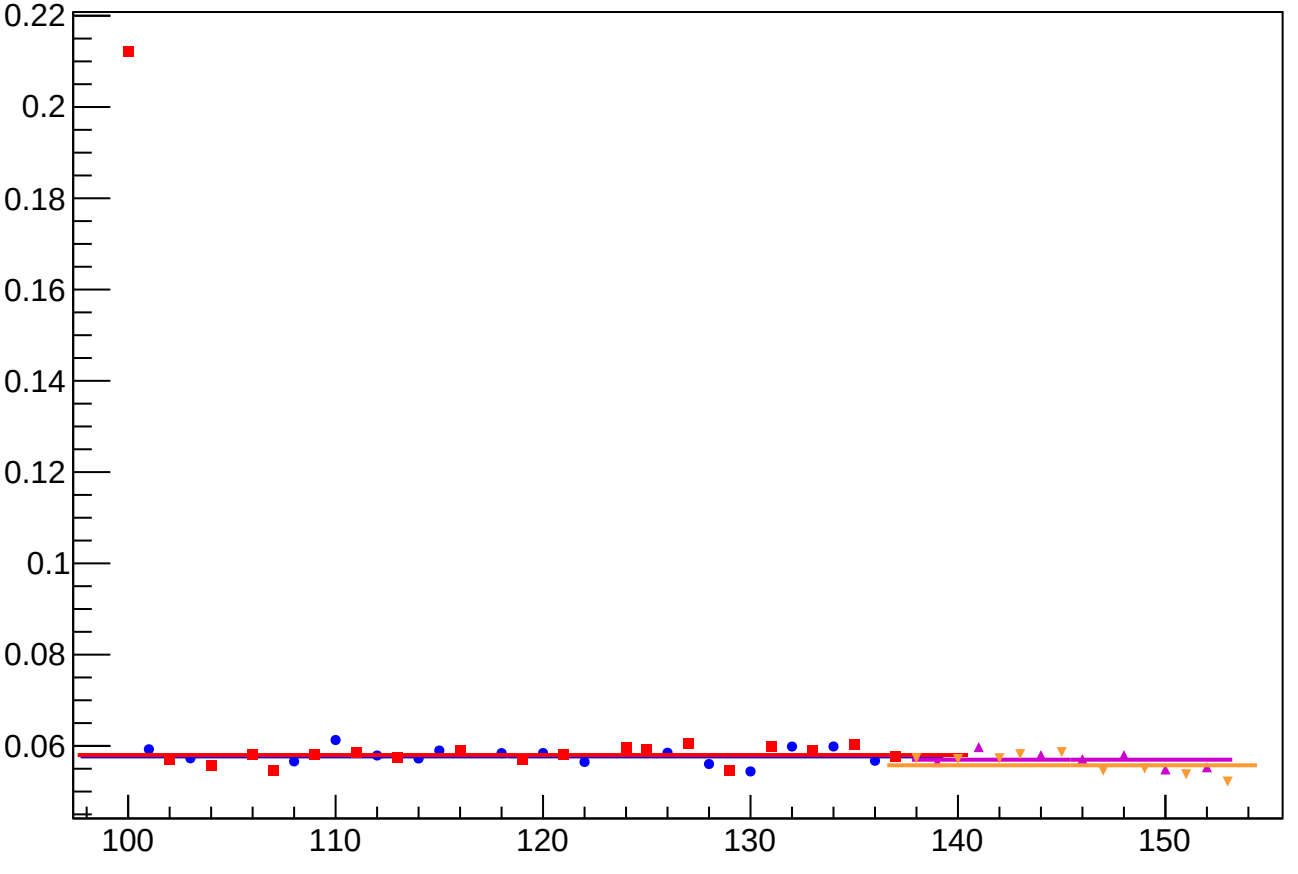
Right: -25.341+/-0.000 χ^2/NDF: 6329738520.5/34

In: -25.357+/-0.000 χ^2/NDF:19213455.2/22

Out: -25.341+/-0.000 χ^2/NDF:6323071069.3/27

All: -25.348+/-0.000 χ^2/NDF: 6342793020.0/

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058+/-0.000 χ^2/NDF: 11763.6/15

Left Out: 0.056+/-0.000 χ^2/NDF:19949.1/8

Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.057+/-0.000 χ^2/NDF:8904.3/6

Left: 0.056+/-0.000 χ^2/NDF: 31832.8/15

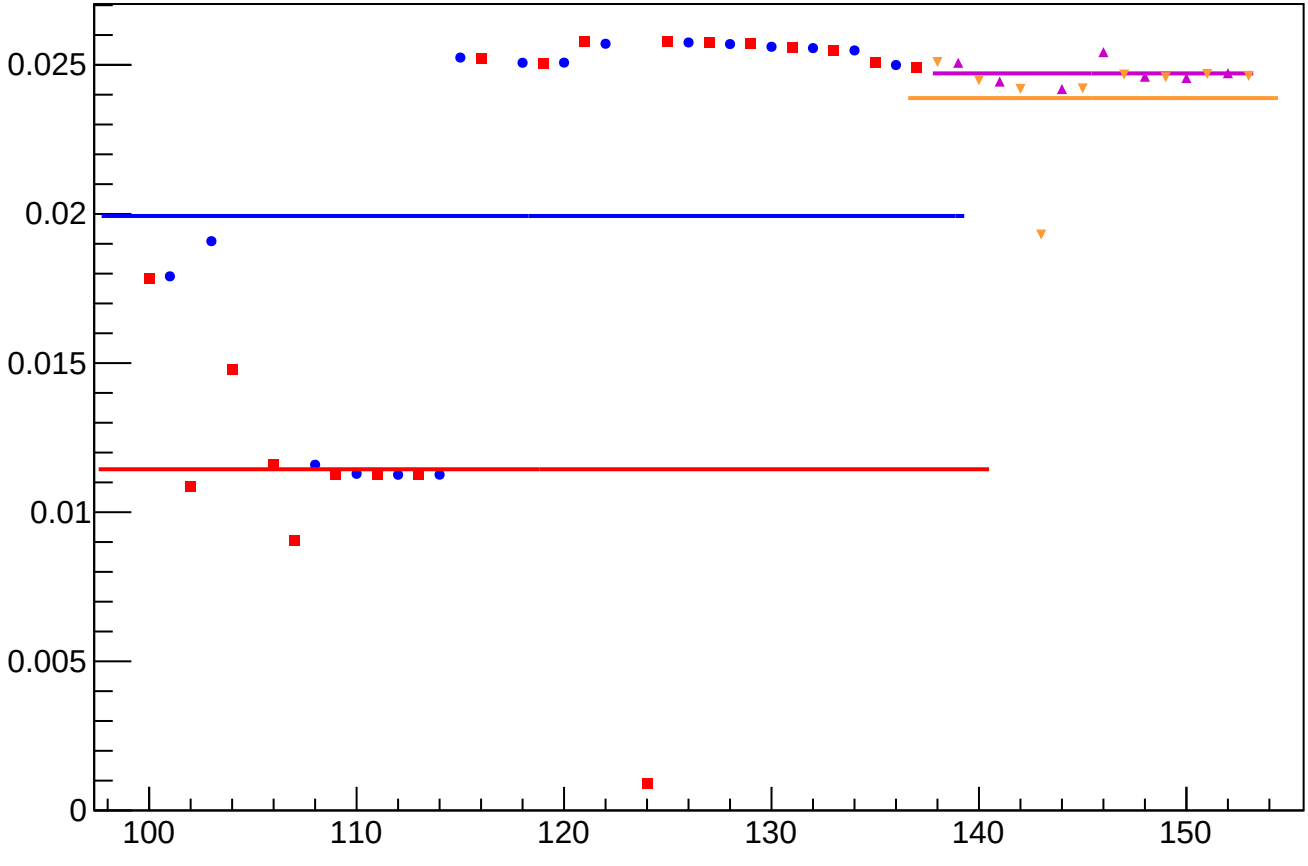
Right: 0.058+/-0.000 χ^2/NDF: 100633.0/34

In: 0.057+/-0.000 χ^2/NDF:21681.8/22

Out: 0.057+/-0.000 χ^2/NDF:119507.1/27

All: 0.057+/-0.000 χ^2/NDF: 142204.7/50

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.000 χ^2/NDF: 62465154056.0/15

Left Out: 0.024+/-0.000 χ^2/NDF:4408977845.1/8

Right Out: 0.011+/-0.000 χ^2/NDF: 253880264851.8/18

Left In: 0.025+/-0.000 χ^2/NDF:152267212.8/6

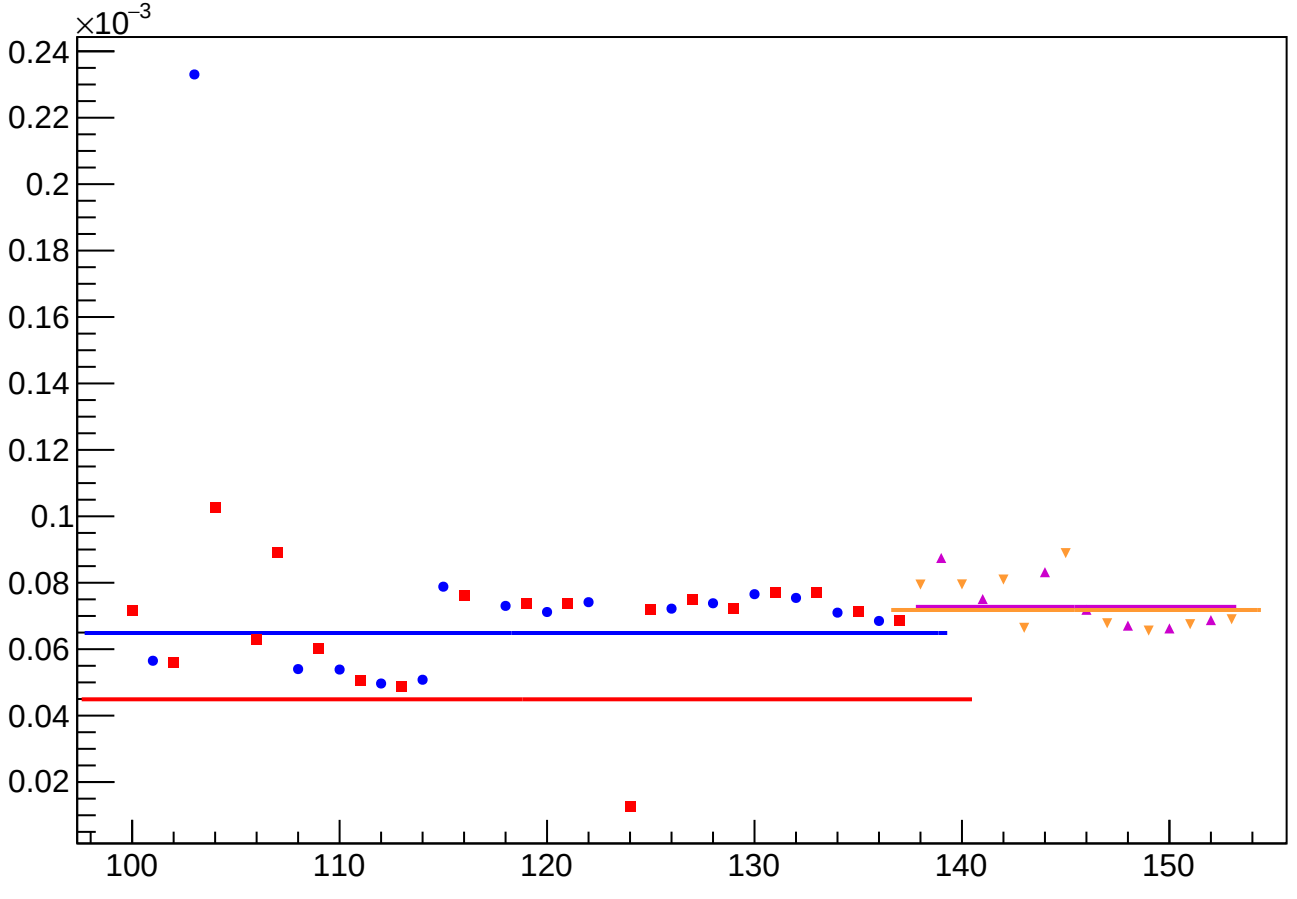
Left: 0.024+/-0.000 χ^2/NDF: 4974253997.0/15

Right: 0.015+/-0.000 χ^2/NDF: 385775066677.0/34

In: 0.022+/-0.000 χ^2/NDF:77487885004.9/22

Out: 0.016+/-0.000 χ^2/NDF:391842408018.5/27

All: 0.018+/-0.000 χ^2/NDF: 530536936568.9



Right In: 0.000+/-0.000 χ^2/NDF: 816892.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:137422.3/8

Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

Left In: 0.000+/-0.000 χ^2/NDF:109448.5/6

Left: 0.000+/-0.000 χ^2/NDF: 247937.2/15

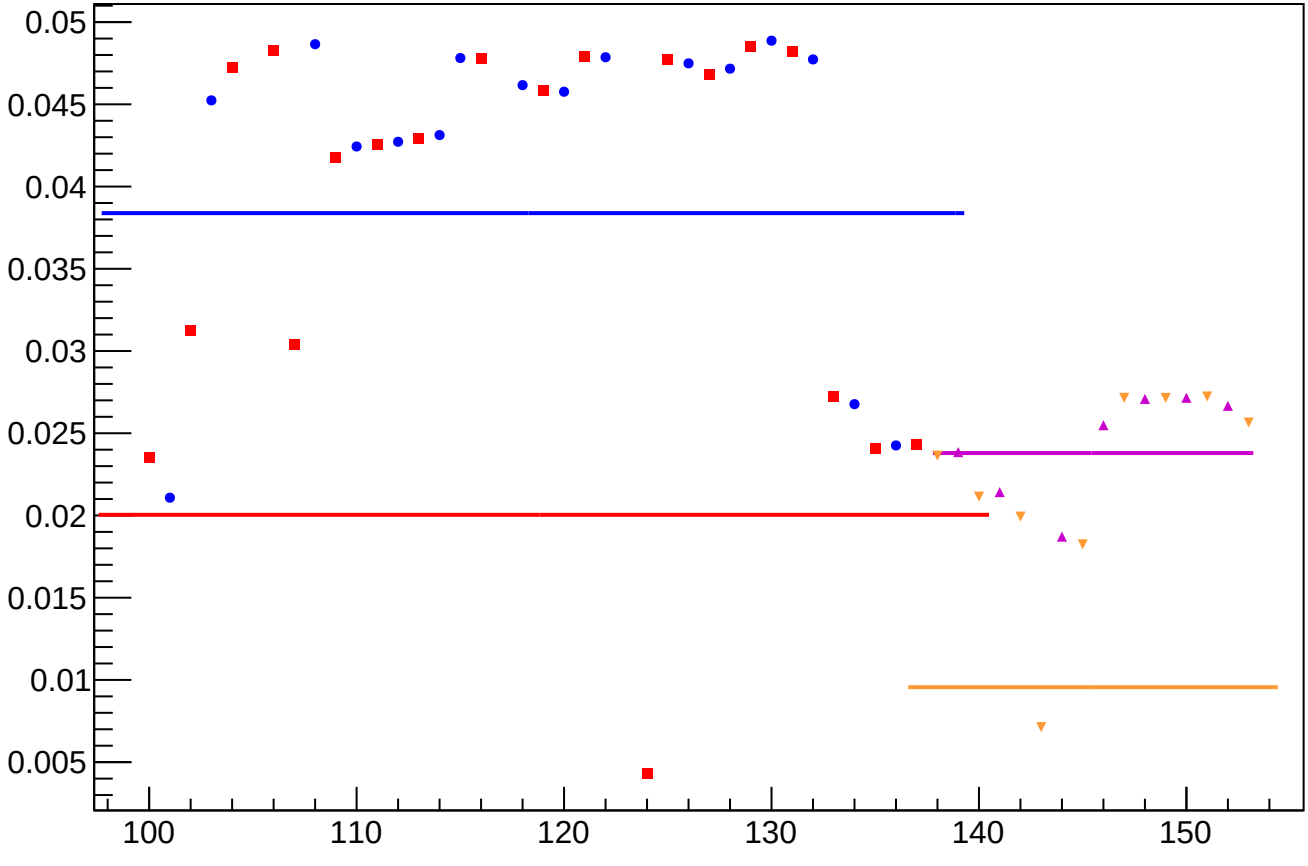
Right: 0.000+/-0.000 χ^2/NDF: 5354969.6/34

In: 0.000+/-0.000 χ^2/NDF:1006854.8/22

Out: 0.000+/-0.000 χ^2/NDF:5155014.5/27

All: 0.000+/-0.000 χ^2/NDF: 6784262.5/50

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.010+/-0.000 χ^2/NDF:18453780650.7/8

Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

Left In: 0.024+/-0.000 χ^2/NDF:813953683.5/6

Left: 0.011+/-0.000 χ^2/NDF: 31856860113.0/15

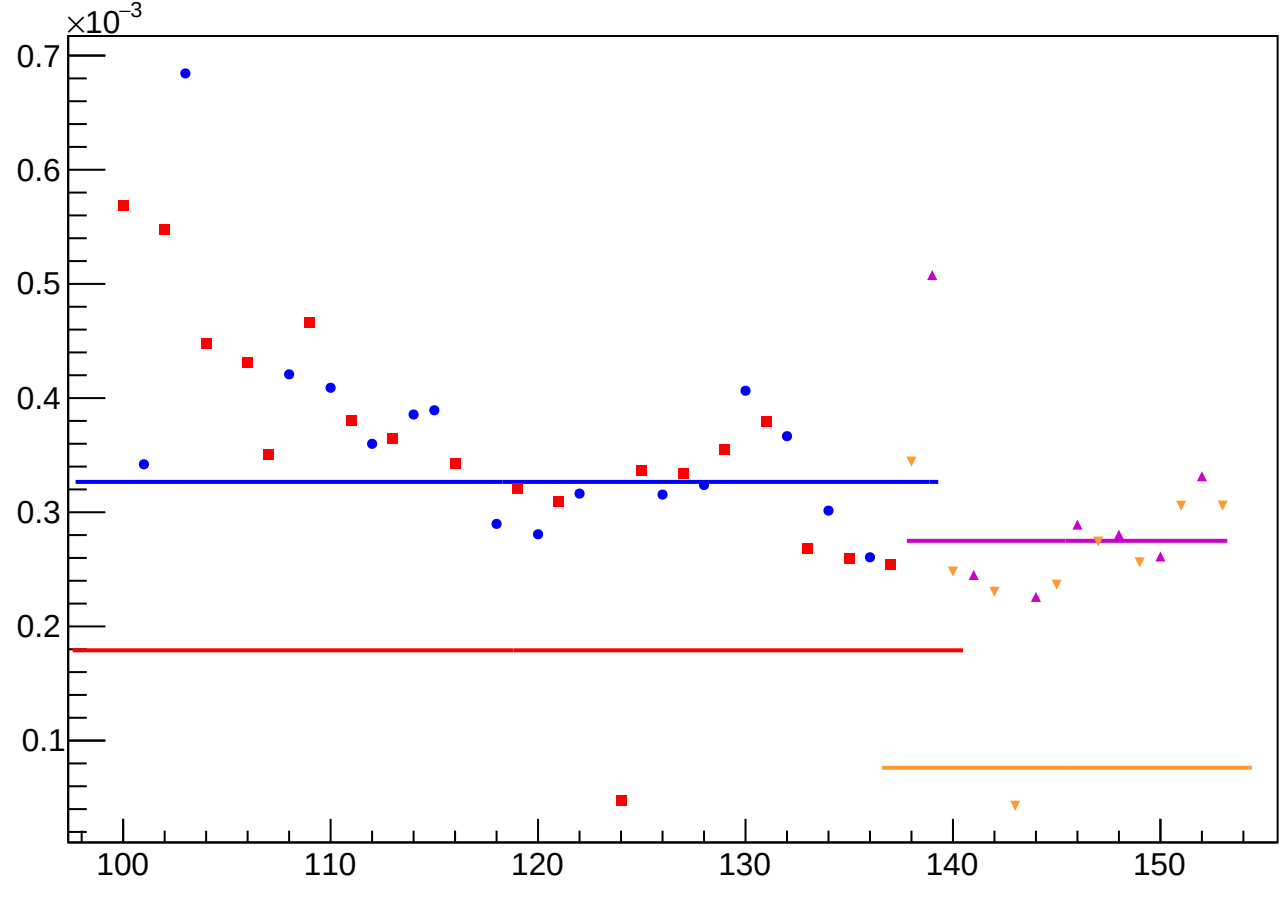
Right: 0.026+/-0.000 χ^2/NDF: 62680347103.1/34

In: 0.030+/-0.000 χ^2/NDF:14750812534.4/22

Out: 0.012+/-0.000 χ^2/NDF:71459821736.0/27

All: 0.015+/-0.000 χ^2/NDF: 124558275767.8

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:6738757.0/8

Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

Left In: 0.000+/-0.000 χ^2/NDF:491863.0/6

Left: 0.000+/-0.000 χ^2/NDF: 12138367.6/15

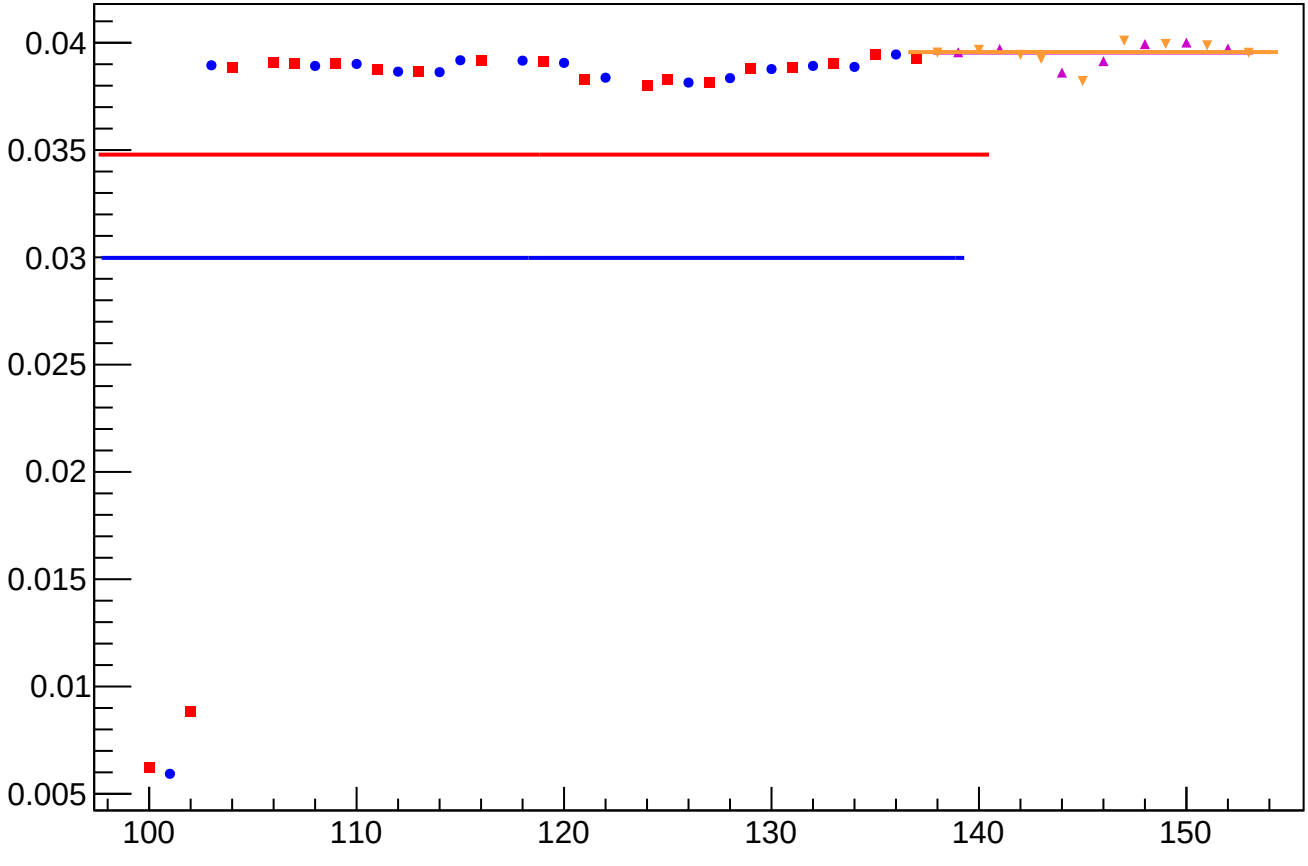
Right: 0.000+/-0.000 χ^2/NDF: 7977614.8/34

In: 0.000+/-0.000 χ^2/NDF:1244942.5/22

Out: 0.000+/-0.000 χ^2/NDF:14483615.0/27

All: 0.000+/-0.000 χ^2/NDF: 24562488.2/50

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

Left Out: 0.040+/-0.000 χ^2/NDF:92132862.8/8

Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.040+/-0.000 χ^2/NDF:65678824.4/6

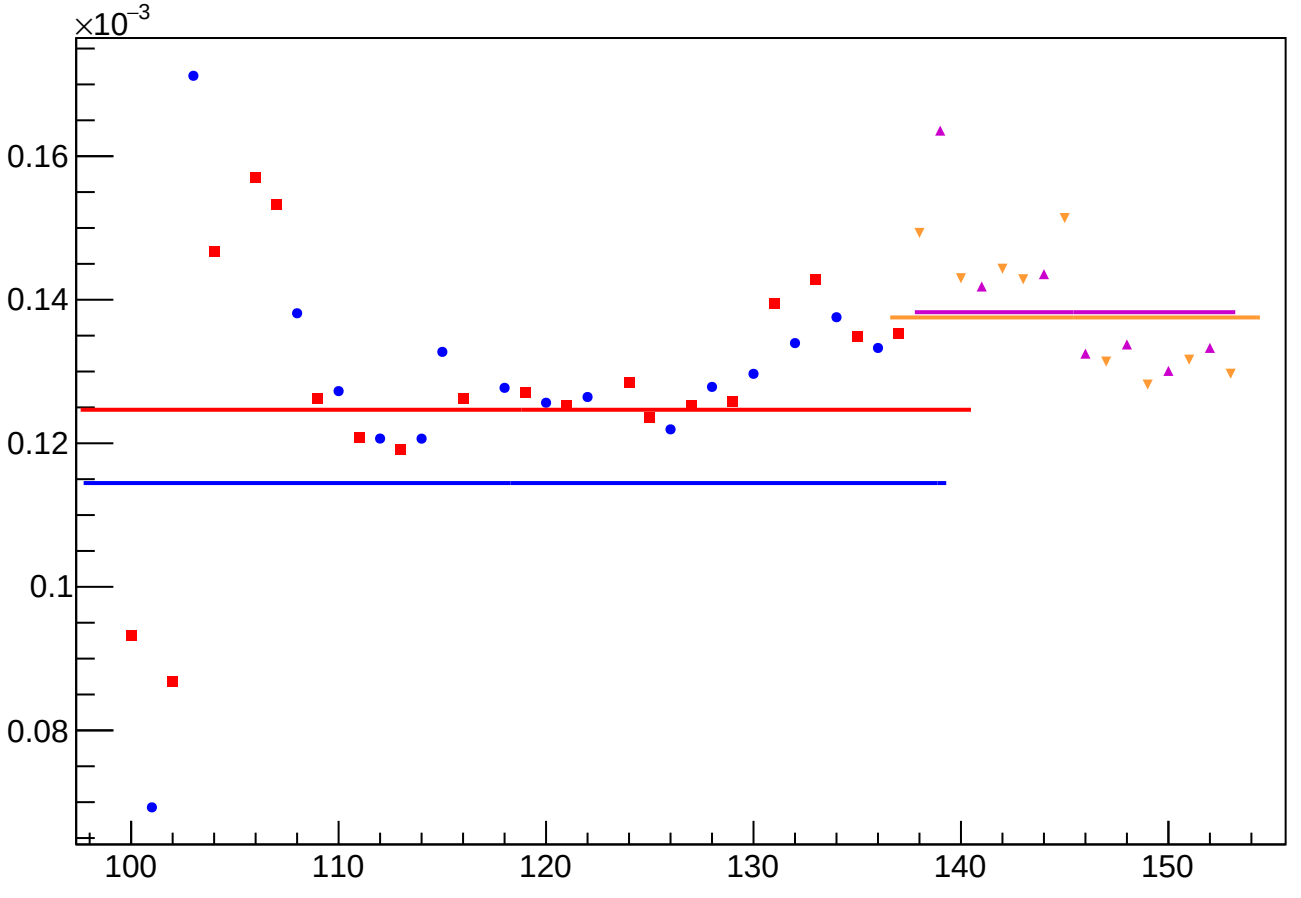
Left: 0.040+/-0.000 χ^2/NDF: 157885902.5/15

Right: 0.032+/-0.000 χ^2/NDF: 161037517780.6/34

In: 0.034+/-0.000 χ^2/NDF:125926735894.3/22

Out: 0.037+/-0.000 χ^2/NDF:51883996899.1/27

All: 0.035+/-0.000 χ^2/NDF: 182260862032.2



Right In: 0.000+/-0.000 χ^2/NDF: 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:50329.2/8

Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

Left In: 0.000+/-0.000 χ^2/NDF:57374.0/6

Left: 0.000+/-0.000 χ^2/NDF: 107880.5/15

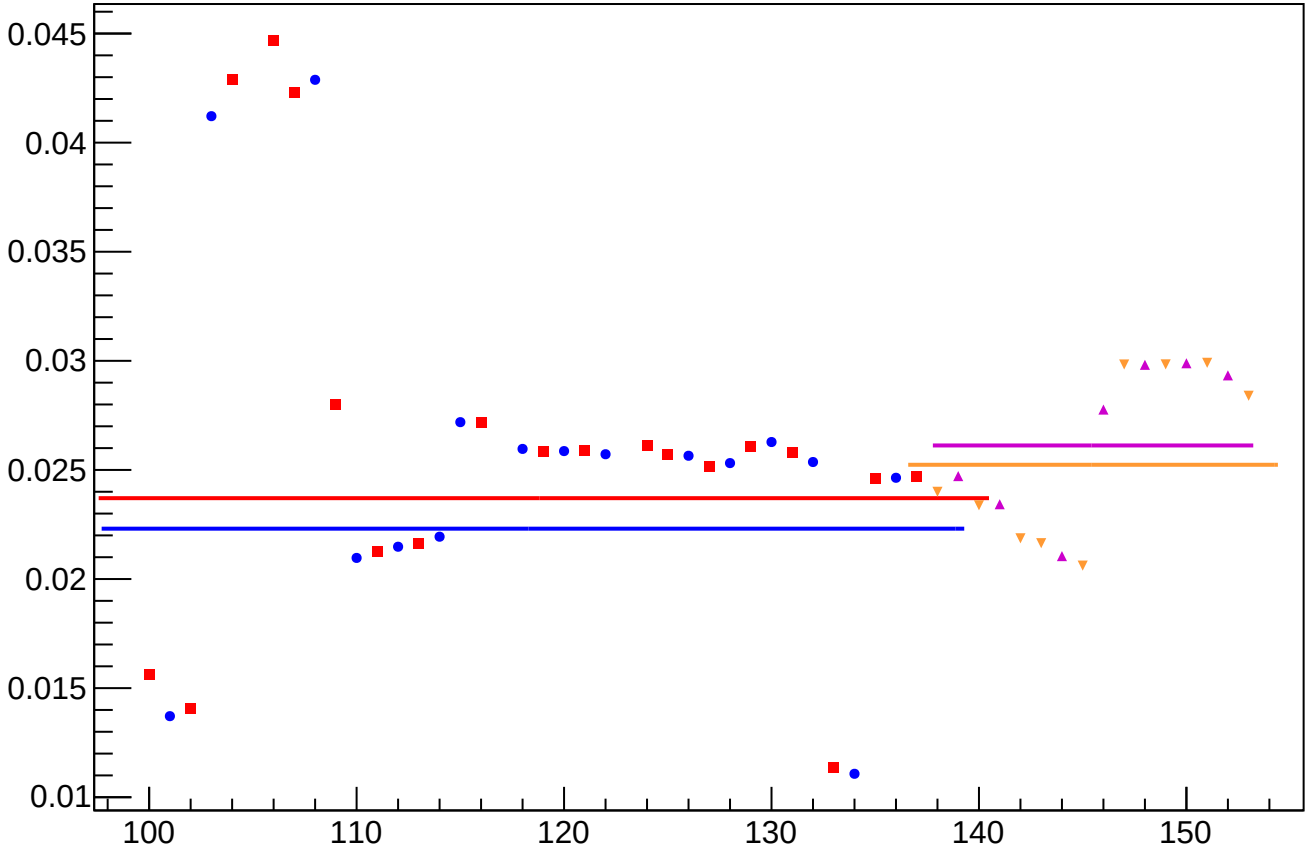
Right: 0.000+/-0.000 χ^2/NDF: 1163063.5/34

In: 0.000+/-0.000 χ^2/NDF:1128187.1/22

Out: 0.000+/-0.000 χ^2/NDF:376347.4/27

All: 0.000+/-0.000 χ^2/NDF: 1543334.7/50

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

Left Out: 0.025+/-0.000 χ^2/NDF:1370141169.5/8

Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

Left In: 0.026+/-0.000 χ^2/NDF:982101476.7/6

Left: 0.026+/-0.000 χ^2/NDF: 2385324406.5/15

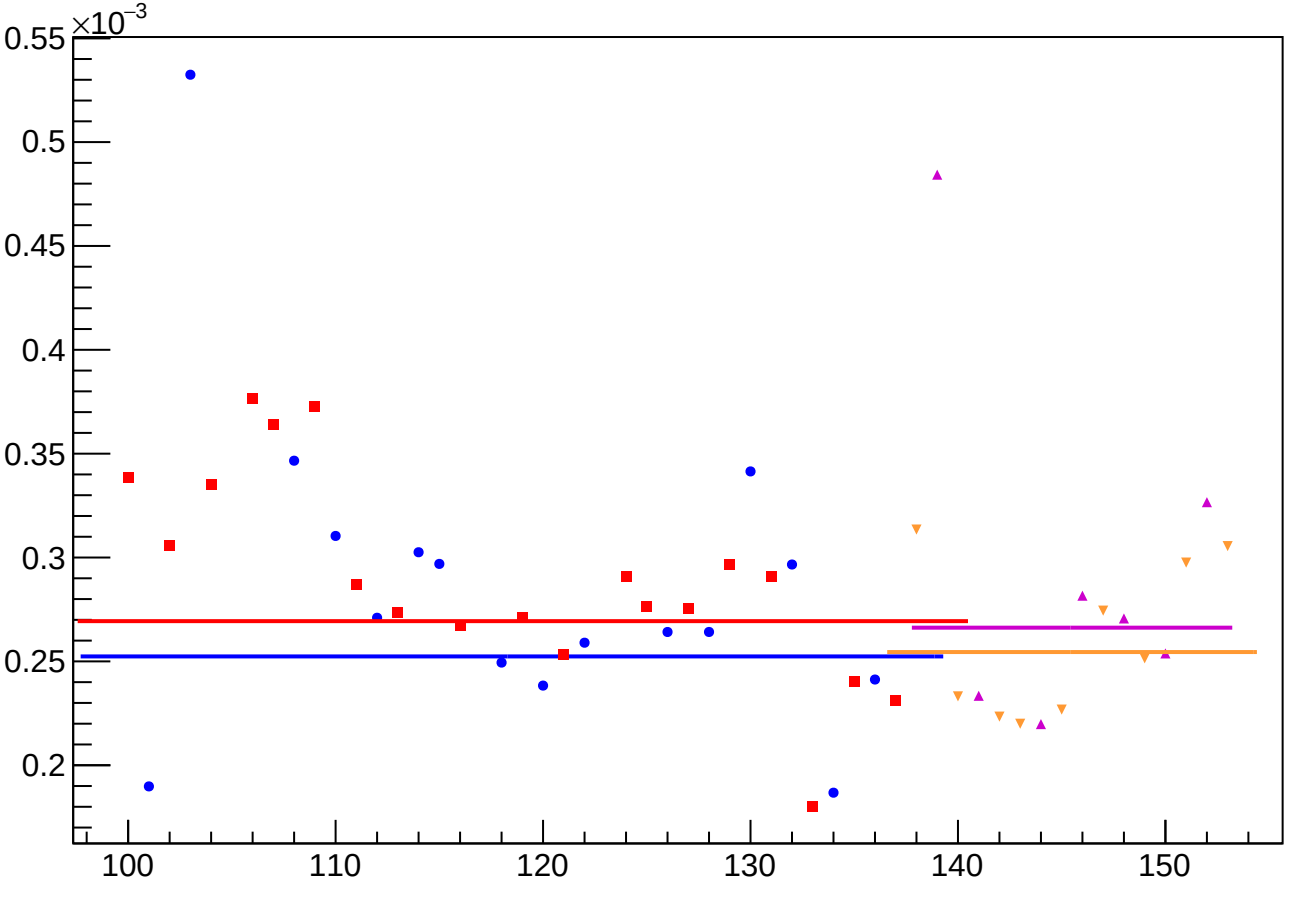
Right: 0.023+/-0.000 χ^2/NDF: 10685664717.3/34

In: 0.024+/-0.000 χ^2/NDF:6618510582.9/22

Out: 0.024+/-0.000 χ^2/NDF:7059485885.1/27

All: 0.024+/-0.000 χ^2/NDF: 13702057039.9/5

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:213223.4/8

Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:497715.5/6

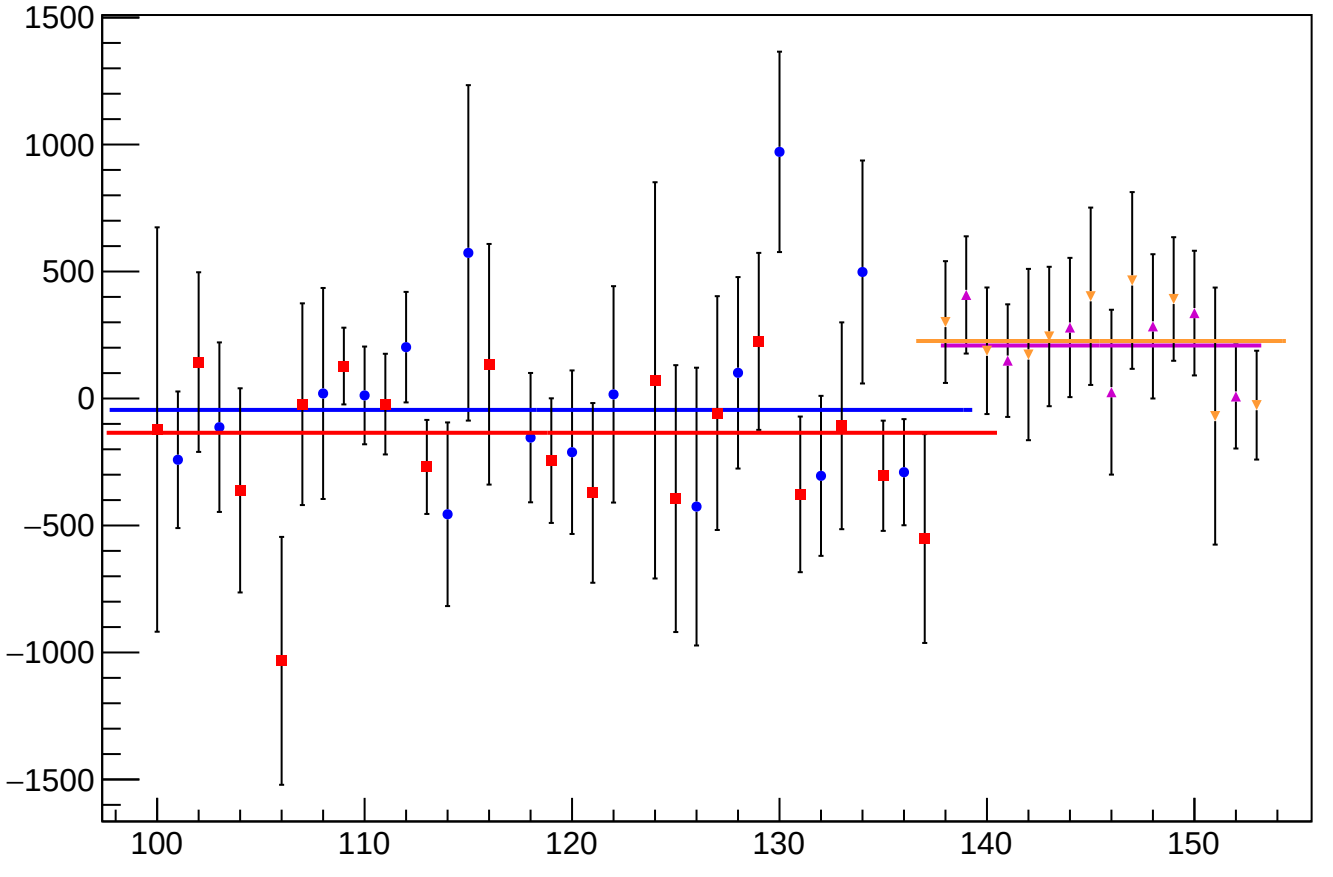
Left: 0.000+/-0.000 χ^2/NDF: 722557.1/15

Right: 0.000+/-0.000 χ^2/NDF: 1181187.1/34

In: 0.000+/-0.000 χ^2/NDF:1222021.0/22

Out: 0.000+/-0.000 χ^2/NDF:679894.5/27

All: 0.000+/-0.000 χ^2/NDF: 1903842.0/50



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 226.402+/-93.411 χ^2/NDF:3.1/8

Right Out: -134.996+/-68.062 χ^2/NDF: 12.9/18

Left In: 208.694+/-93.368 χ^2/NDF:2.5/6

Left: 217.544+/-66.037 χ^2/NDF: 5.6/15

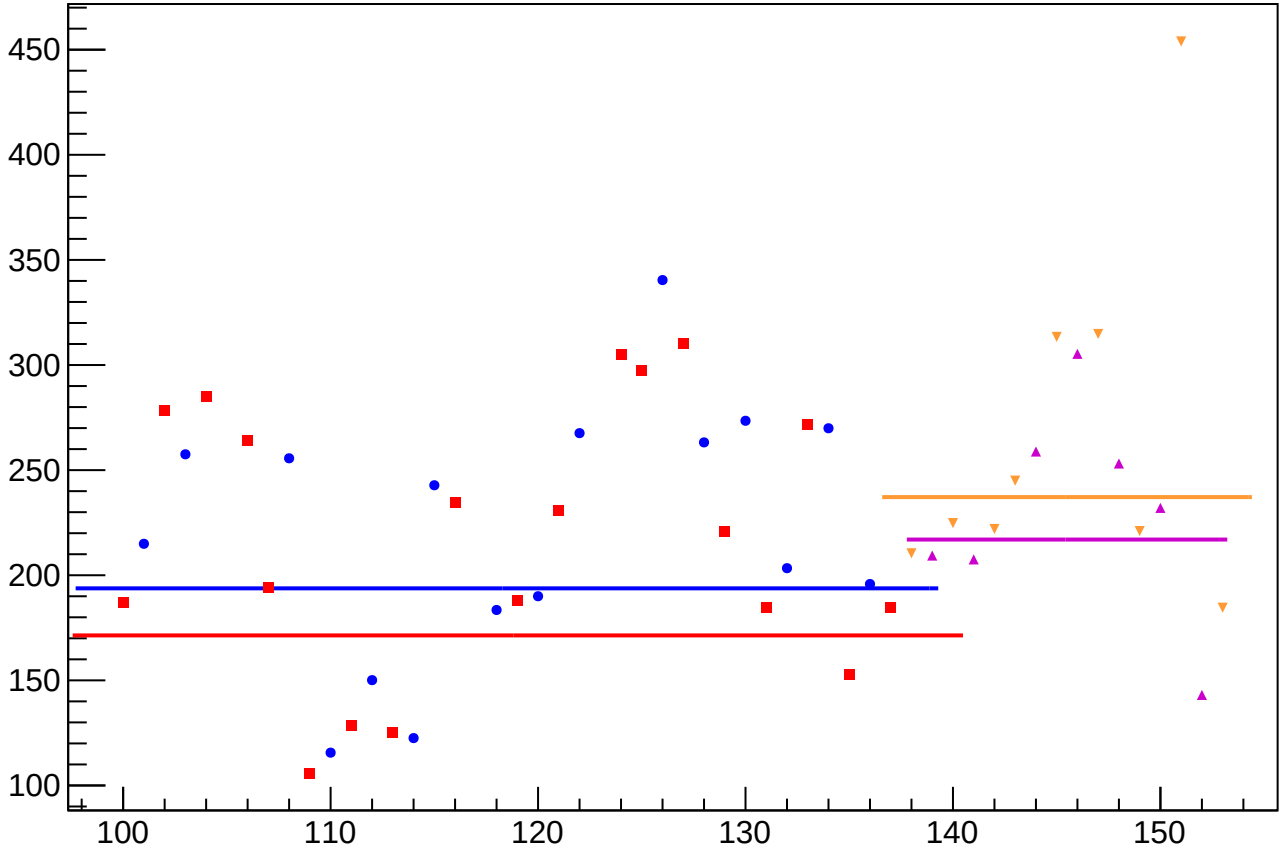
Right: -95.021+/-50.761 χ^2/NDF: 29.2/34

In: 56.469+/-59.034 χ^2/NDF:22.4/22

Out: -9.667+/-55.009 χ^2/NDF:25.8/27

All: 21.069+/-40.245 χ^2/NDF: 48.8/50

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: 237.172+/-0.066 χ^2/NDF:726467.8/8

Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 216.978+/-0.066 χ^2/NDF:500730.3/6

Left: 227.070+/-0.047 χ^2/NDF: 1273952.5/15

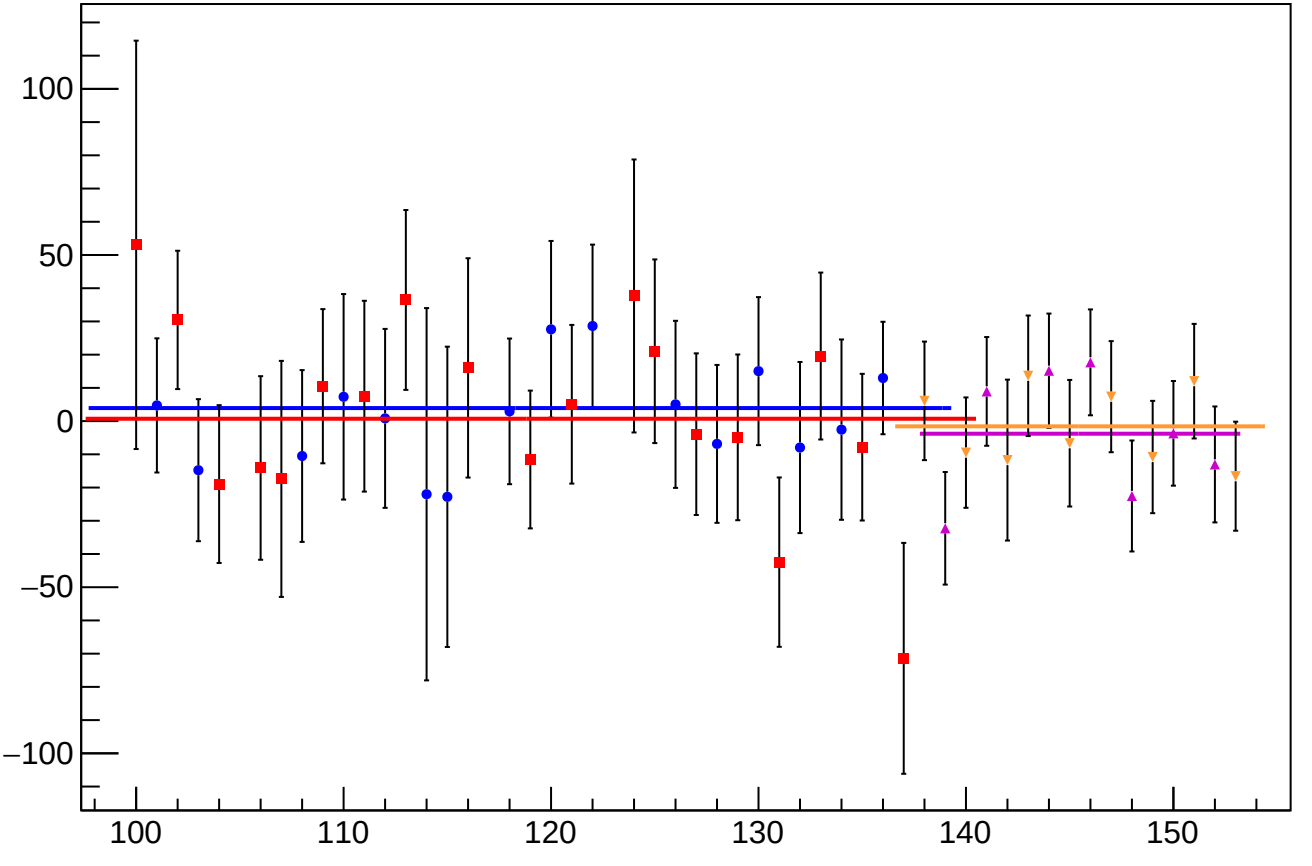
Right: 181.316+/-0.036 χ^2/NDF: 2802189.0/34

In: 203.047+/-0.042 χ^2/NDF:1623011.1/22

Out: 194.197+/-0.039 χ^2/NDF:3032592.2/27

All: 198.310+/-0.028 χ^2/NDF: 4679659.0/50

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: -1.576+/-5.932 χ^2/NDF:3.4/8

Right Out: 0.714+/-6.077 χ^2/NDF: 15.9/18

Left In: -3.796+/-6.270 χ^2/NDF:8.0/6

Left: -2.624+/-4.309 χ^2/NDF: 11.5/15

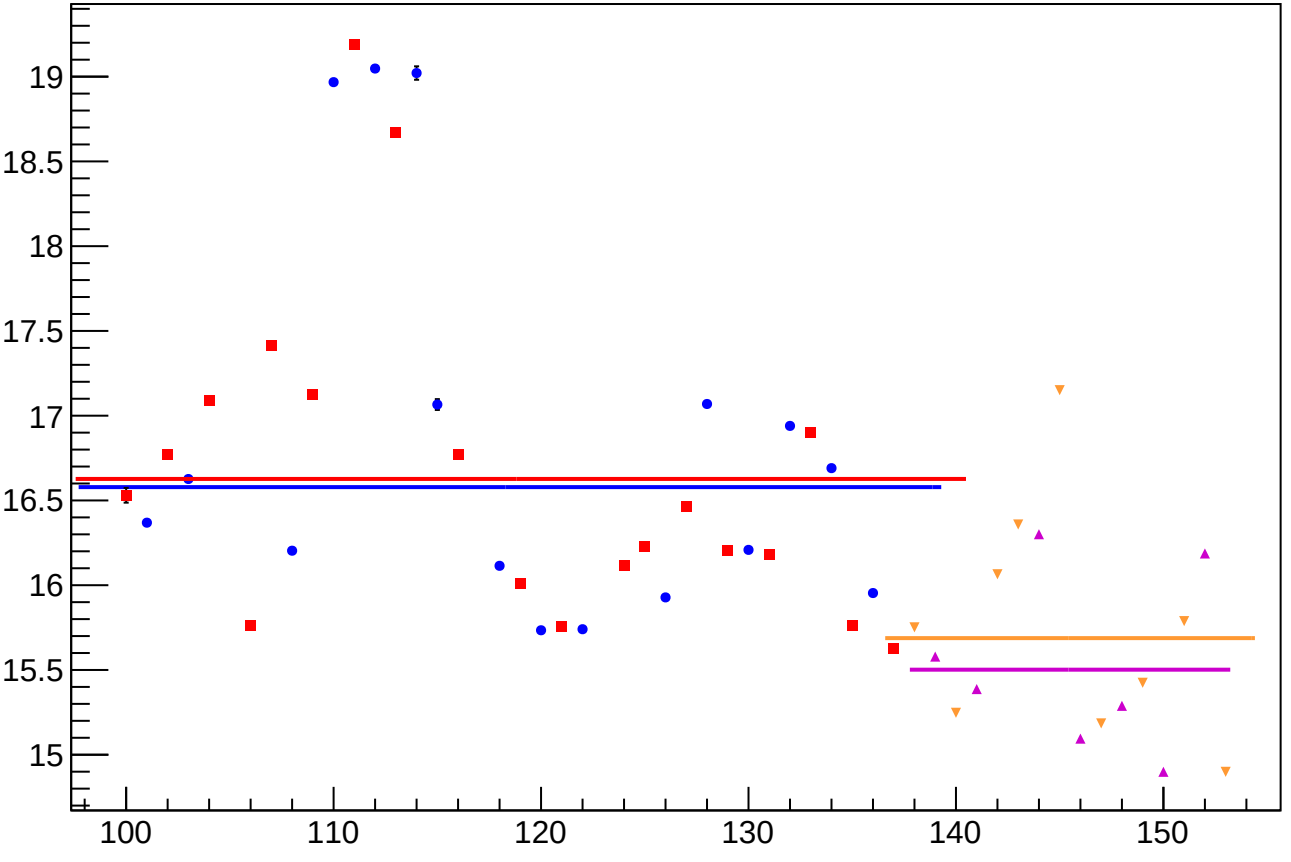
Right: 2.294+/-4.330 χ^2/NDF: 20.5/34

In: 0.125+/-4.399 χ^2/NDF:13.3/22

Out: -0.459+/-4.245 χ^2/NDF:19.4/27

All: -0.177+/-3.054 χ^2/NDF: 32.7/50

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: 15.688+/-0.004 χ^2/NDF:23420.6/8

Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.502+/-0.004 χ^2/NDF:12093.8/6

Left: 15.600+/-0.003 χ^2/NDF: 36444.8/15

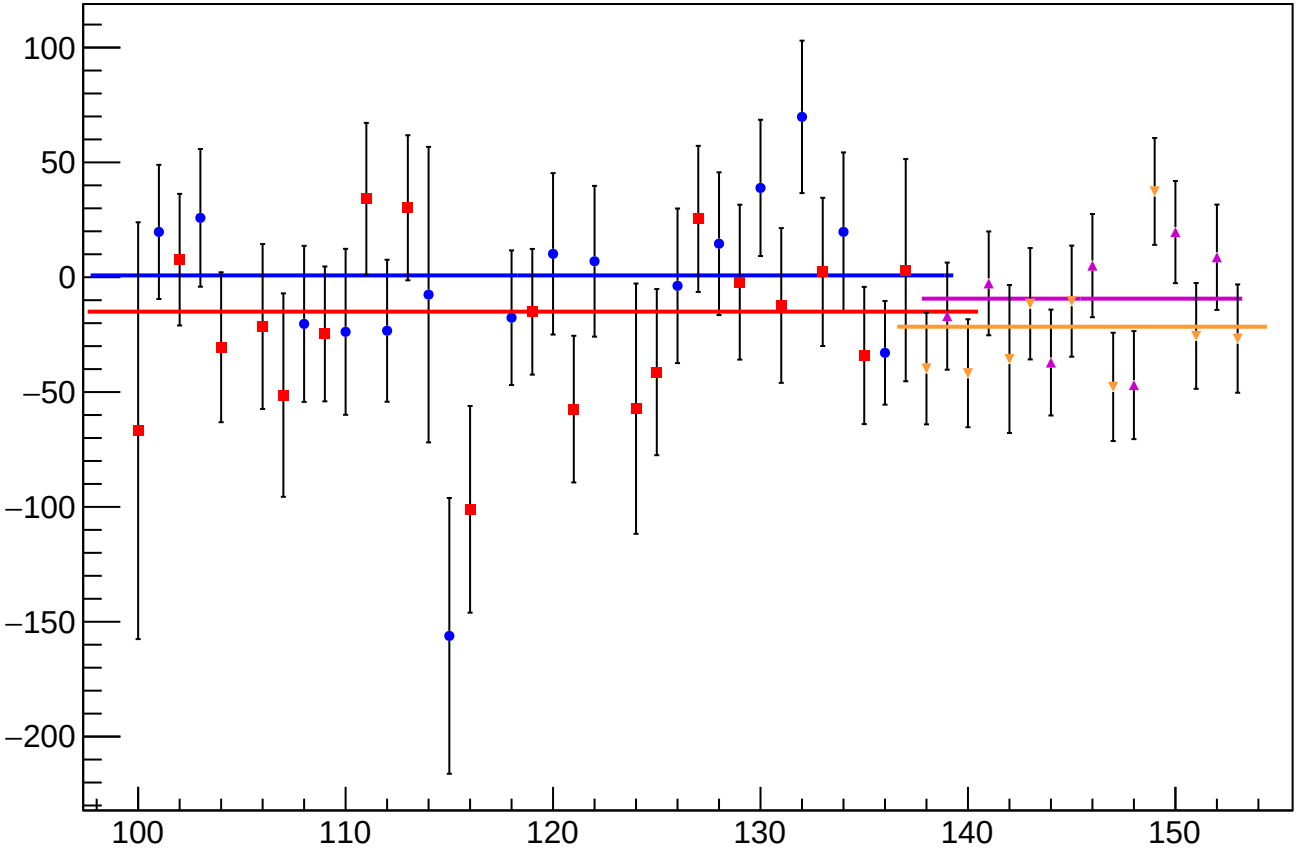
Right: 16.603+/-0.003 χ^2/NDF: 88099.6/34

In: 16.049+/-0.003 χ^2/NDF:86634.6/22

Out: 16.146+/-0.003 χ^2/NDF:91337.5/27

All: 16.099+/-0.002 χ^2/NDF: 178479.4/50

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.790+/-8.125 χ^2/NDF: 18.7/15

Left Out: -21.550+/-8.109 χ^2/NDF:9.6/8

Right Out: -14.981+/-7.953 χ^2/NDF: 15.4/18

Left In: -9.328+/-8.641 χ^2/NDF:6.9/6

Left: -15.827+/-5.913 χ^2/NDF: 17.6/15

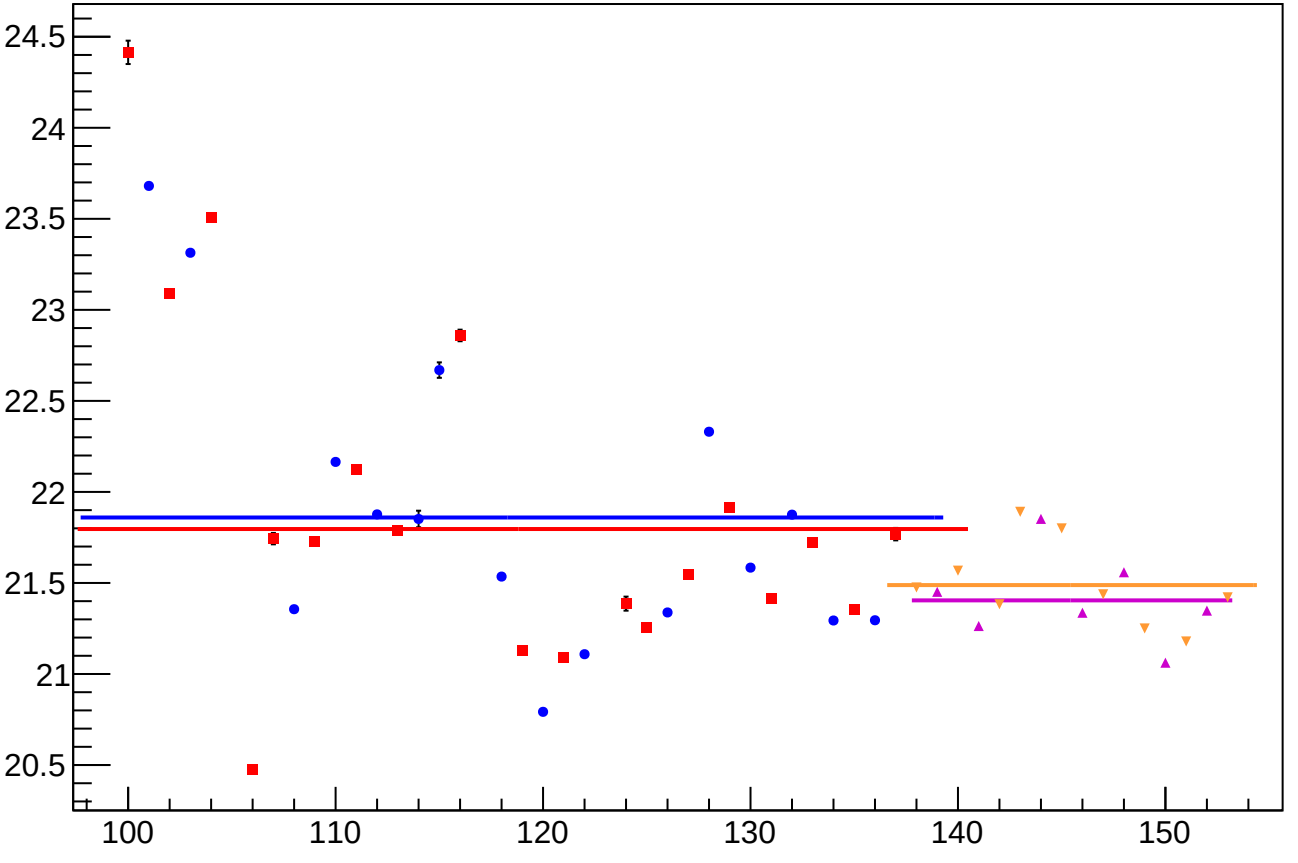
Right: -7.264+/-5.683 χ^2/NDF: 36.0/34

In: -3.958+/-5.919 χ^2/NDF:26.3/22

Out: -18.202+/-5.678 χ^2/NDF:25.3/27

All: -11.376+/-4.098 χ^2/NDF: 54.7/50

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: 21.488+/-0.006 χ^2/NDF:1523.4/8

Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.404+/-0.006 χ^2/NDF:1431.2/6

Left: 21.449+/-0.004 χ^2/NDF: 3055.1/15

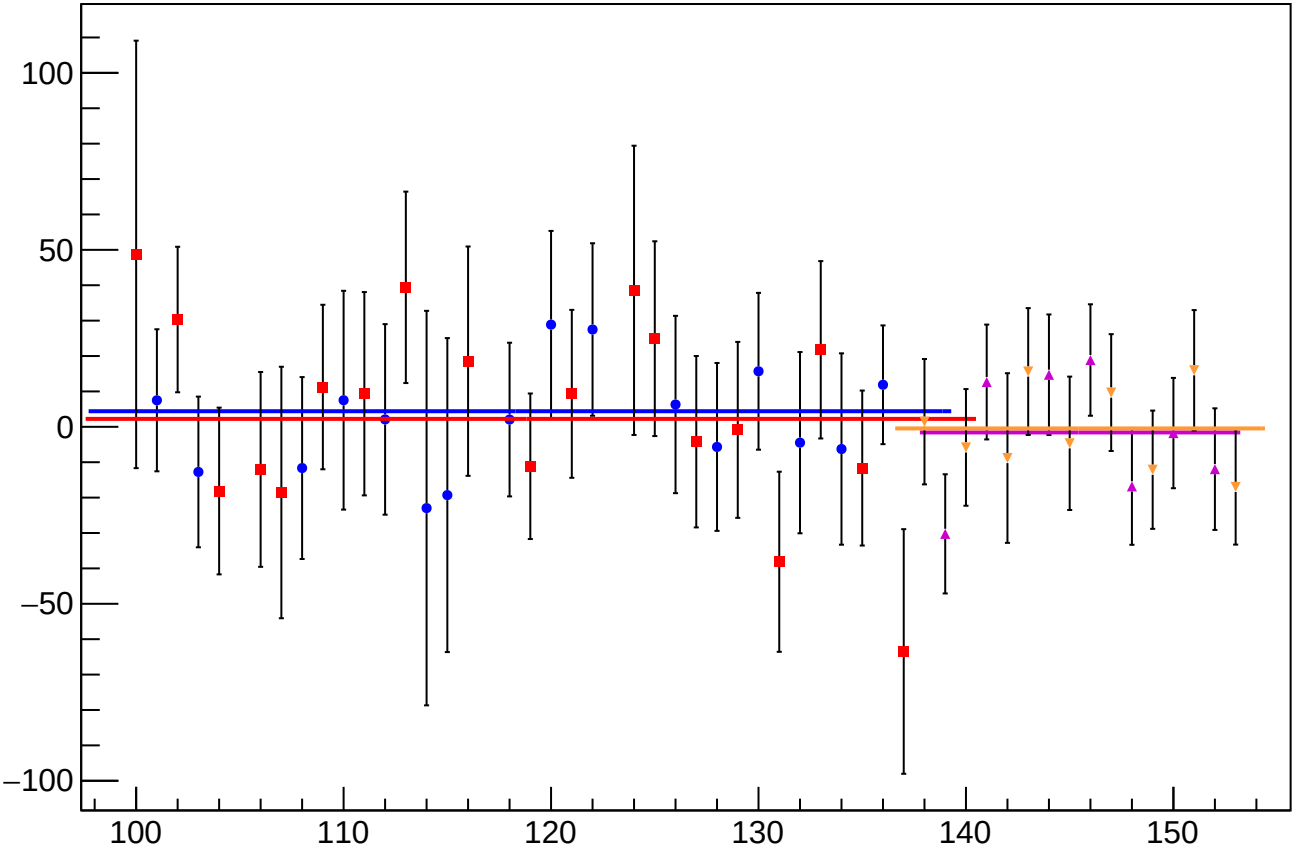
Right: 21.827+/-0.004 χ^2/NDF: 38391.5/34

In: 21.646+/-0.004 χ^2/NDF:23845.2/22

Out: 21.645+/-0.004 χ^2/NDF:21854.4/27

All: 21.646+/-0.003 χ^2/NDF: 45699.6/50

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: -0.454+/-5.870 χ^2/NDF:3.9/8

Right Out: 2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: -1.587+/-6.203 χ^2/NDF:7.5/6

Left: -0.989+/-4.264 χ^2/NDF: 11.4/15

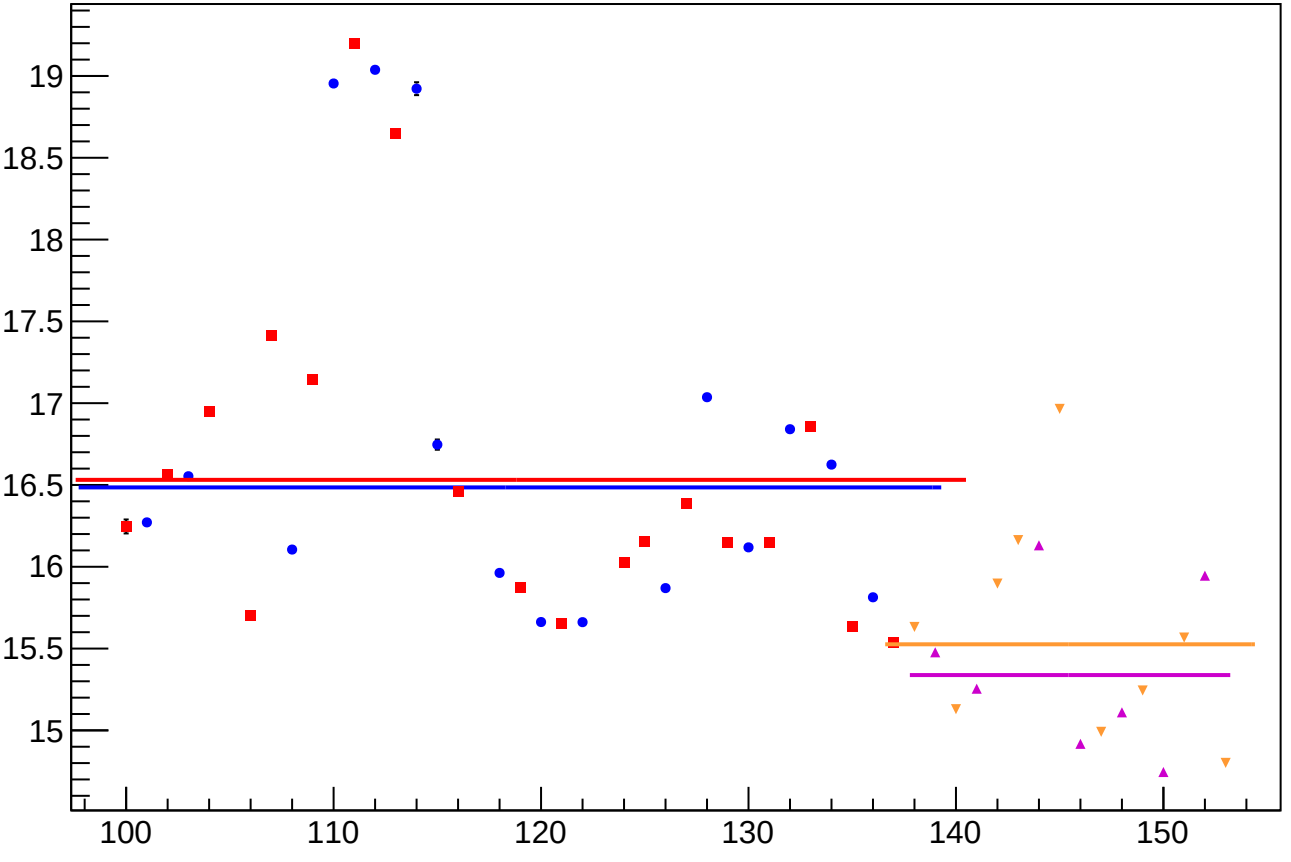
Right: 3.307+/-4.306 χ^2/NDF: 19.7/34

In: 1.441+/-4.363 χ^2/NDF:12.3/22

Out: 0.856+/-4.210 χ^2/NDF:19.4/27

All: 1.138+/-3.030 χ^2/NDF: 31.7/50

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: 15.526+/-0.004 χ^2/NDF:22535.6/8

Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.338+/-0.004 χ^2/NDF:11726.4/6

Left: 15.437+/-0.003 χ^2/NDF: 35231.5/15

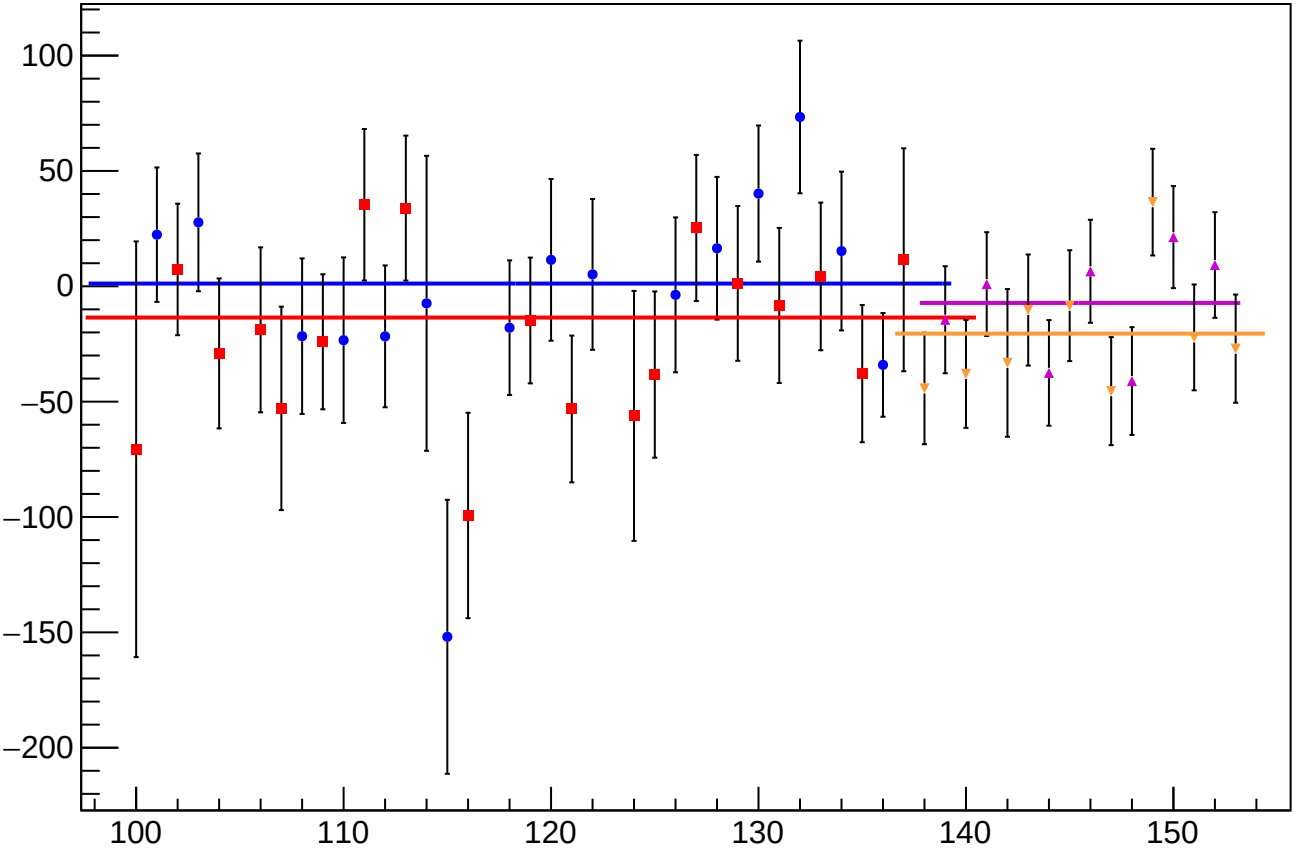
Right: 16.509+/-0.003 χ^2/NDF: 93717.6/34

In: 15.918+/-0.003 χ^2/NDF:93469.7/22

Out: 16.014+/-0.003 χ^2/NDF:97484.1/27

All: 15.968+/-0.002 χ^2/NDF: 191459.7/50

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: -20.525+/-8.061 χ^2/NDF:9.4/8

Right Out: -13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: -7.219+/-8.597 χ^2/NDF:6.6/6

Left: -14.300+/-5.880 χ^2/NDF: 17.3/15

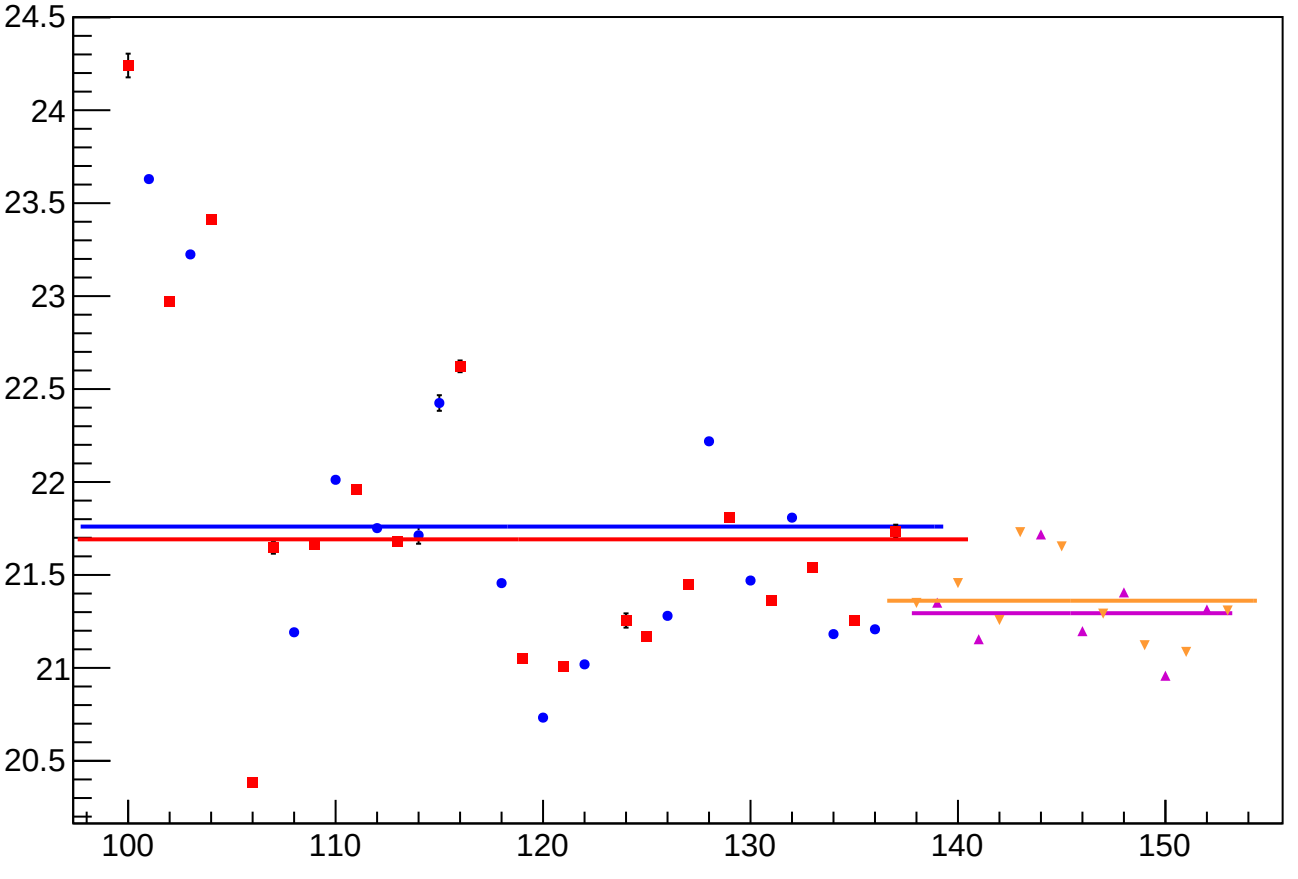
Right: -6.341+/-5.657 χ^2/NDF: 37.0/34

In: -2.761+/-5.891 χ^2/NDF:26.5/22

Out: -16.973+/-5.648 χ^2/NDF:25.7/27

All: -10.166+/-4.077 χ^2/NDF: 55.3/50

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: 21.361+/-0.006 χ^2/NDF:1349.7/8

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

Left In: 21.294+/-0.006 χ^2/NDF:1321.5/6

Left: 21.330+/-0.004 χ^2/NDF: 2736.1/15

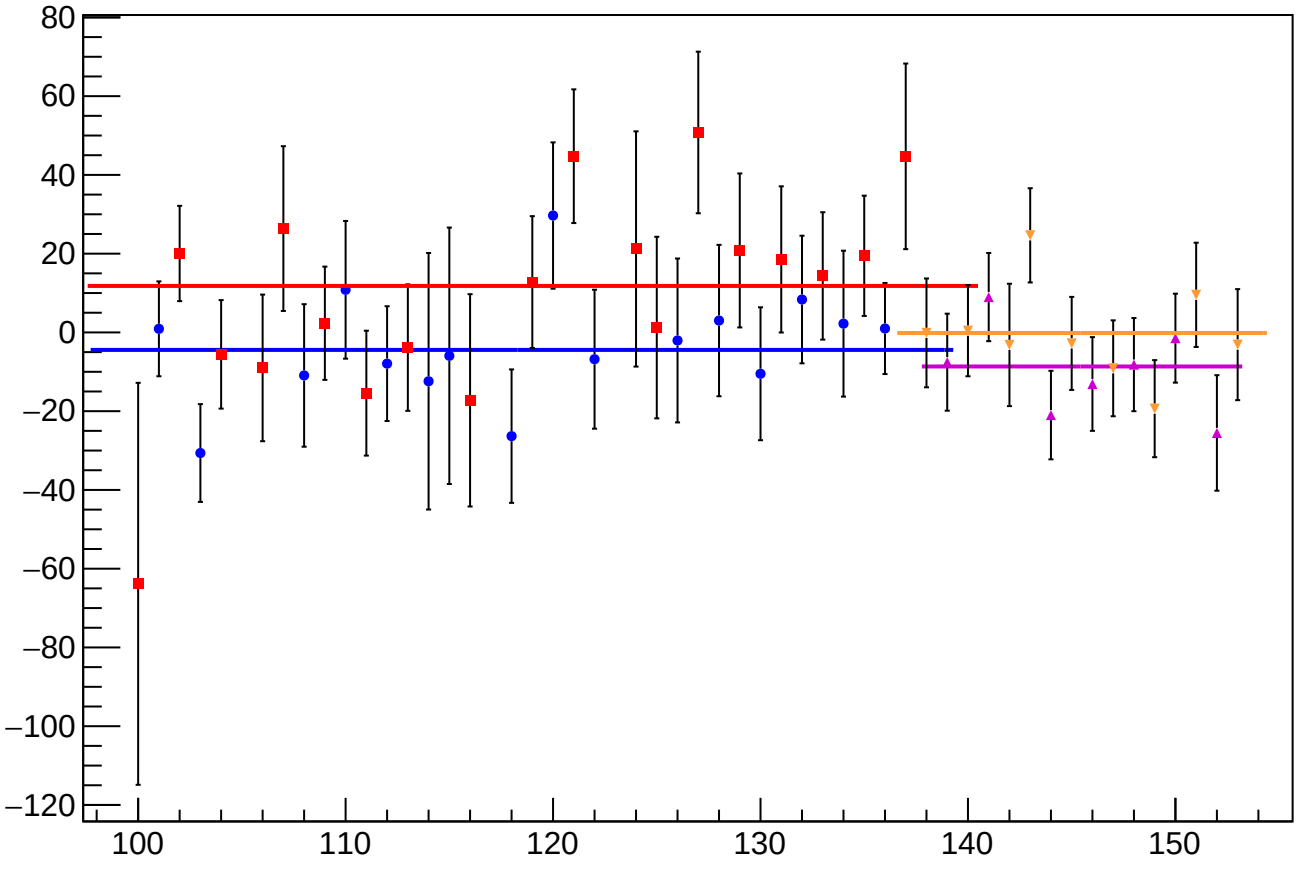
Right: 21.725+/-0.004 χ^2/NDF: 38150.0/34

In: 21.541+/-0.004 χ^2/NDF:24185.0/22

Out: 21.530+/-0.004 χ^2/NDF:21388.8/27

All: 21.535+/-0.003 χ^2/NDF: 45578.1/50

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: -0.150+/-4.262 χ^2/NDF:7.9/8

Right Out: 11.807+/-4.097 χ^2/NDF: 21.7/18

Left In: -8.647+/-4.510 χ^2/NDF:5.6/6

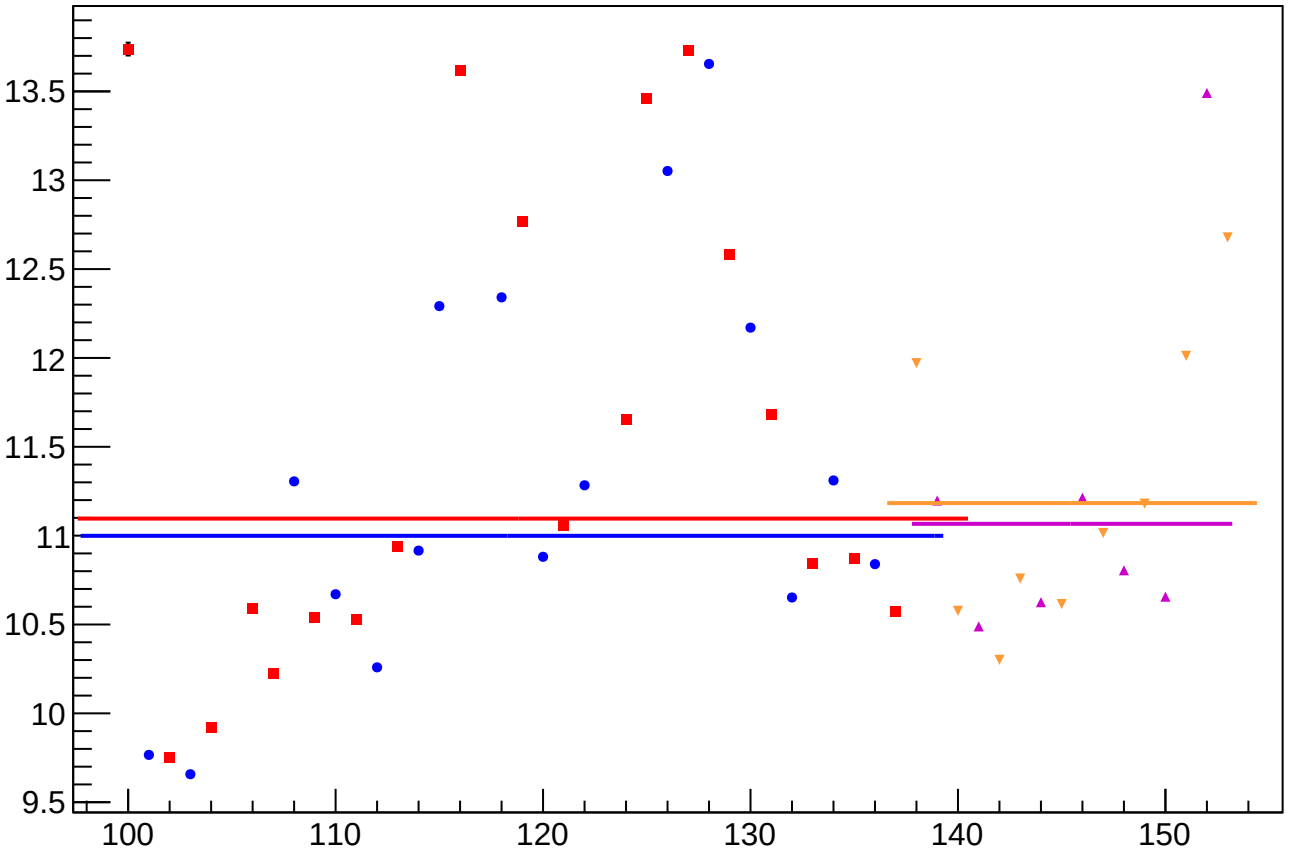
Left: -4.159+/-3.098 χ^2/NDF: 15.4/15

Right: 3.749+/-2.909 χ^2/NDF: 41.5/34

In: -6.360+/-3.046 χ^2/NDF:18.0/22

Out: 6.064+/-2.954 χ^2/NDF:33.8/27

All: 0.043+/-2.121 χ^2/NDF: 60.4/50



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.183+/-0.003 χ^2/NDF:56281.8/8

Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 11.067+/-0.003 χ^2/NDF:67185.5/6

Left: 11.128+/-0.002 χ^2/NDF: 124177.4/15

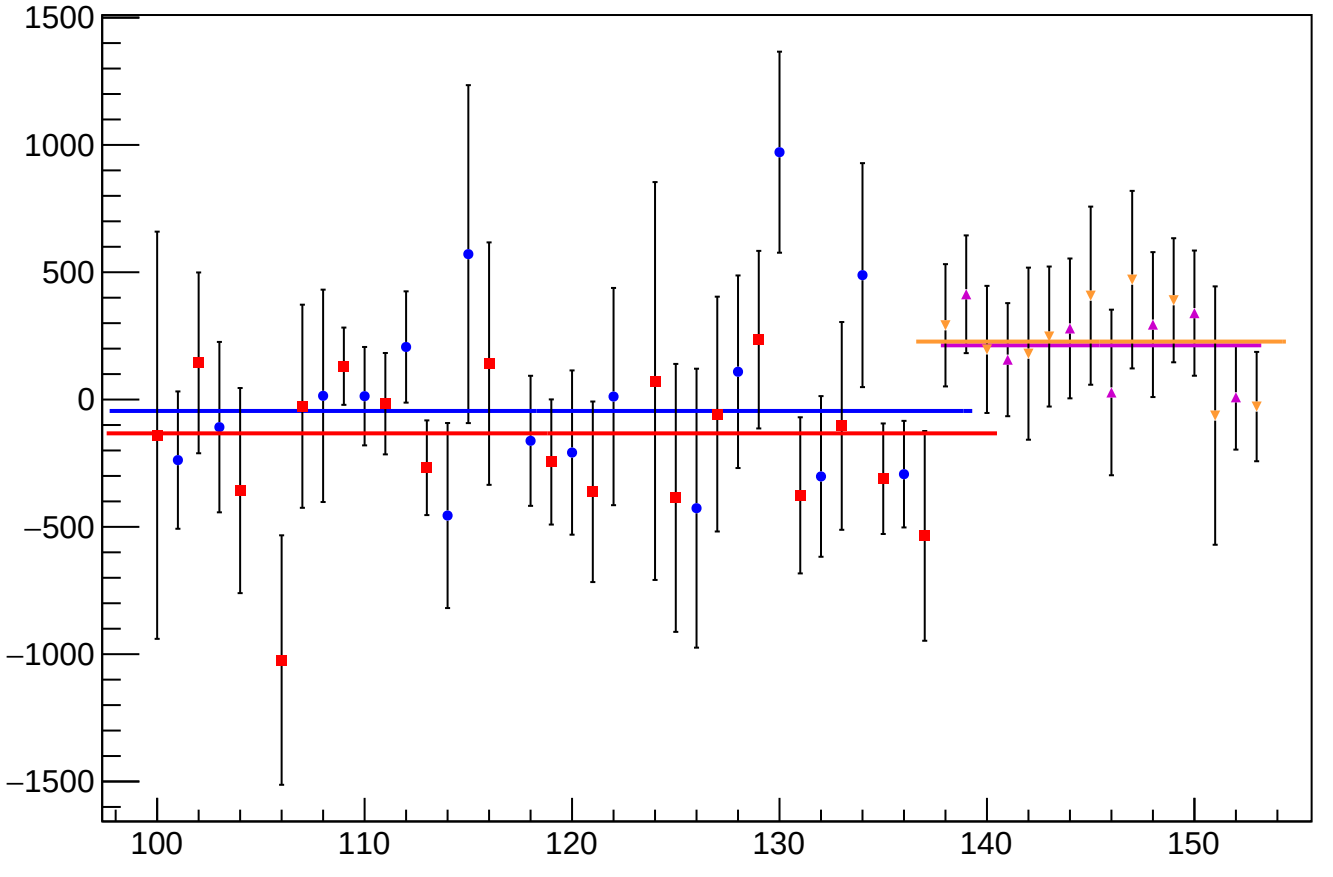
Right: 11.048+/-0.002 χ^2/NDF: 299622.8/34

In: 11.030+/-0.002 χ^2/NDF:203588.1/22

Out: 11.138+/-0.002 χ^2/NDF:219628.2/27

All: 11.086+/-0.001 χ^2/NDF: 424515.5/50

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 227.720+/-93.579 χ^2/NDF:3.0/8

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 213.014+/-93.549 χ^2/NDF:2.5/6

Left: 220.365+/-66.160 χ^2/NDF: 5.6/15

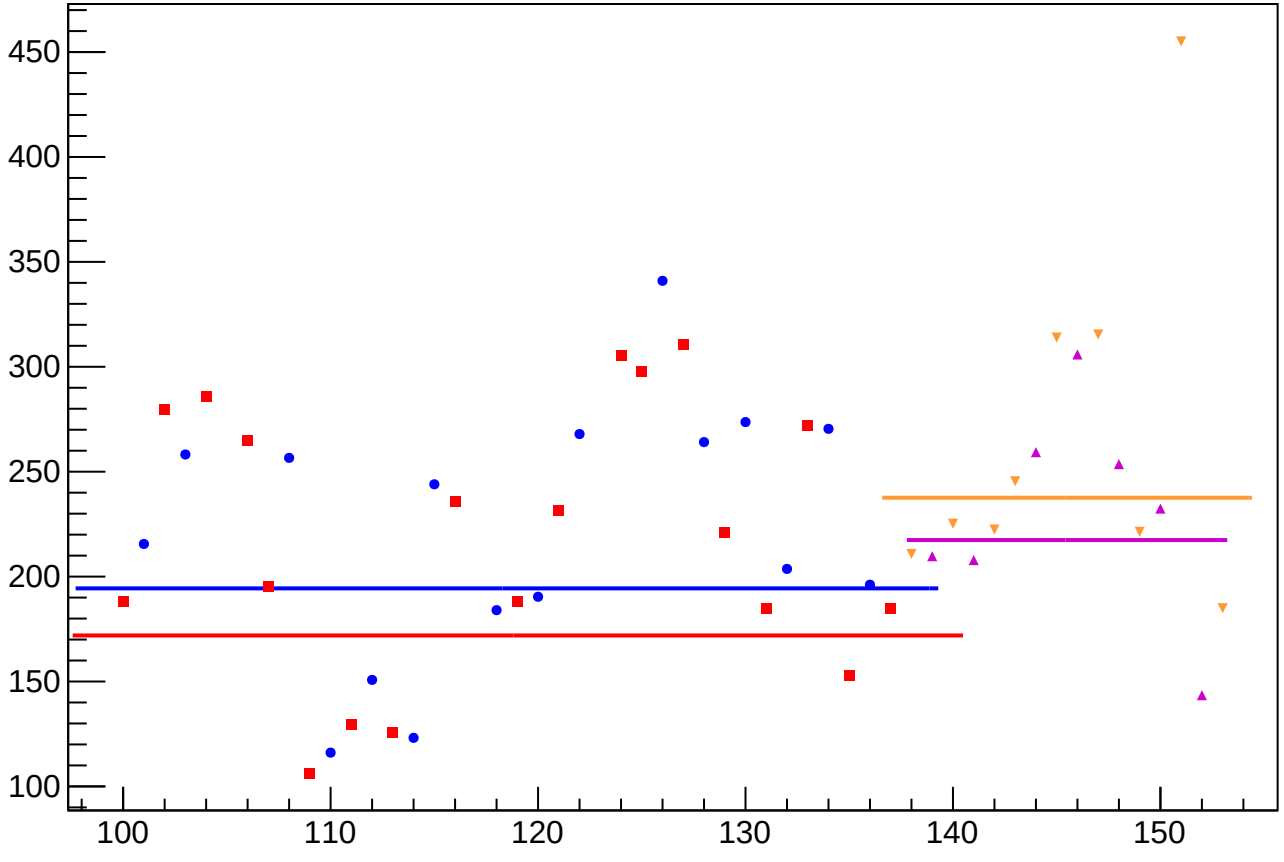
Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 58.394+/-59.185 χ^2/NDF:22.5/22

Out: -7.525+/-55.152 χ^2/NDF:25.6/27

All: 23.113+/-40.349 χ^2/NDF: 48.8/50

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: 237.591+/-0.066 χ^2/NDF:726978.0/8

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 217.413+/-0.066 χ^2/NDF:499111.3/6

Left: 227.499+/-0.047 χ^2/NDF: 1272596.0/15

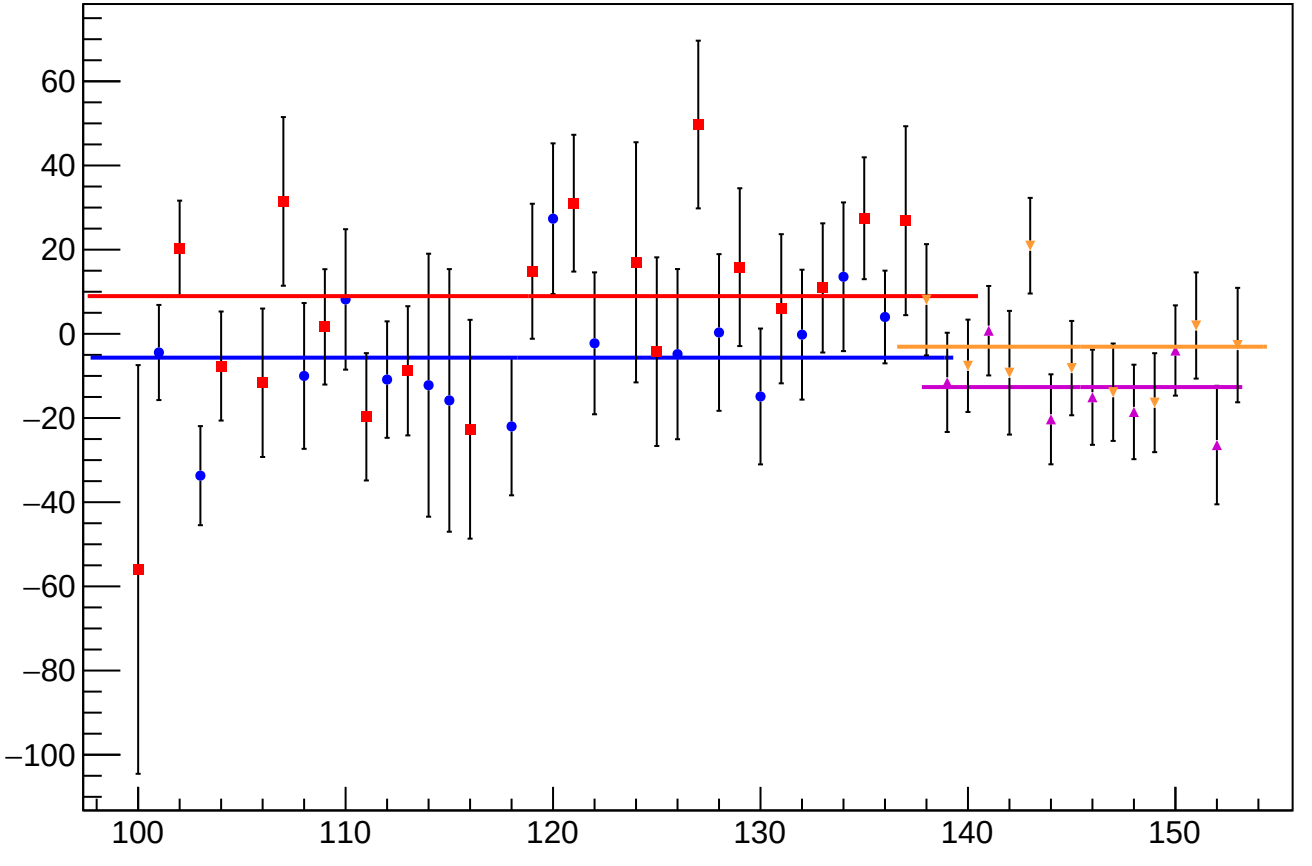
Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 203.602+/-0.042 χ^2/NDF:1613818.1/22

Out: 194.750+/-0.039 χ^2/NDF:3020583.6/27

All: 198.864+/-0.029 χ^2/NDF: 4658349.0/50

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: -3.062+/-4.056 χ^2/NDF:8.0/8

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -12.647+/-4.292 χ^2/NDF:4.0/6

Left: -7.585+/-2.948 χ^2/NDF: 14.7/15

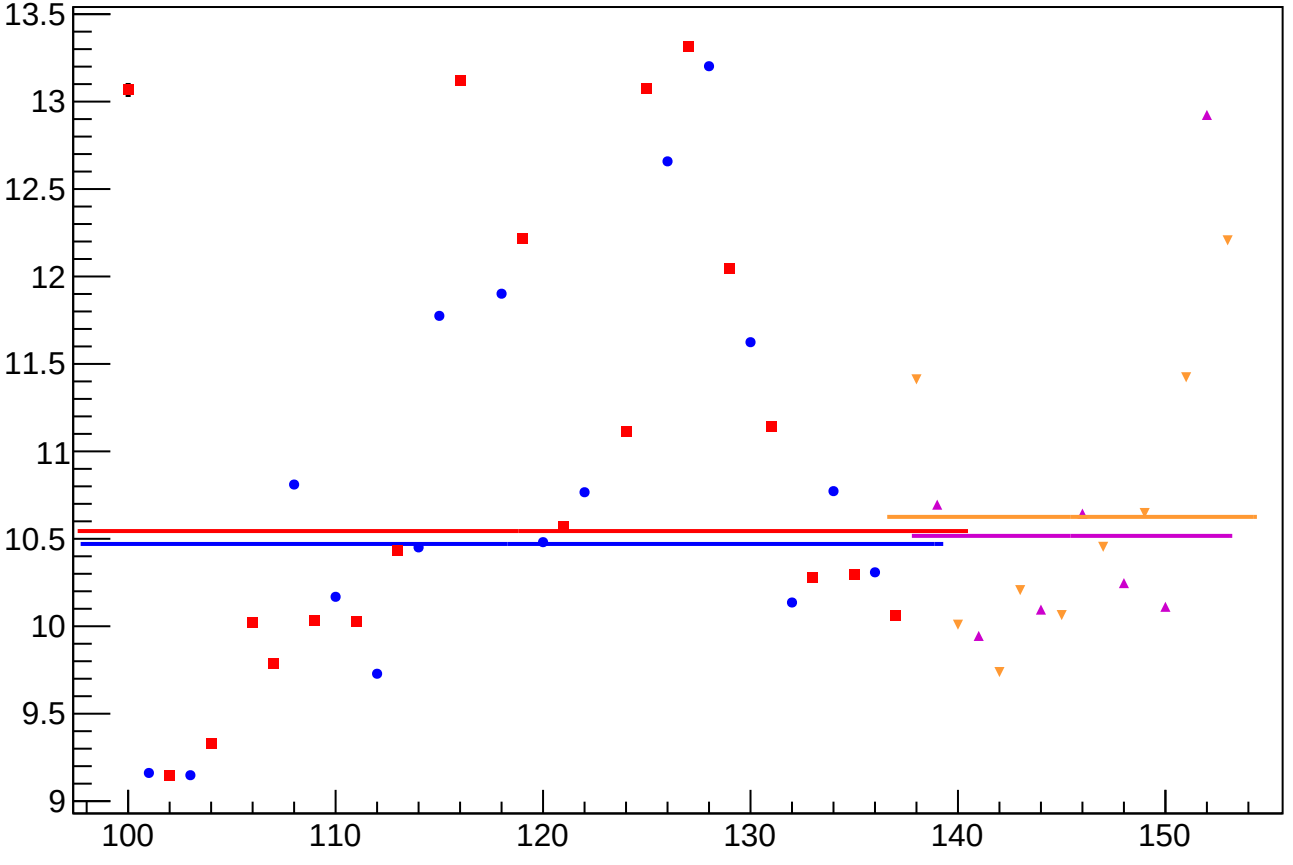
Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -8.854+/-2.902 χ^2/NDF:19.2/22

Out: 3.184+/-2.812 χ^2/NDF:35.4/27

All: -2.645+/-2.019 χ^2/NDF: 63.4/50

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: 10.625+/-0.003 χ^2/NDF:63939.2/8

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.517+/-0.003 χ^2/NDF:72084.0/6

Left: 10.574+/-0.002 χ^2/NDF: 136700.5/15

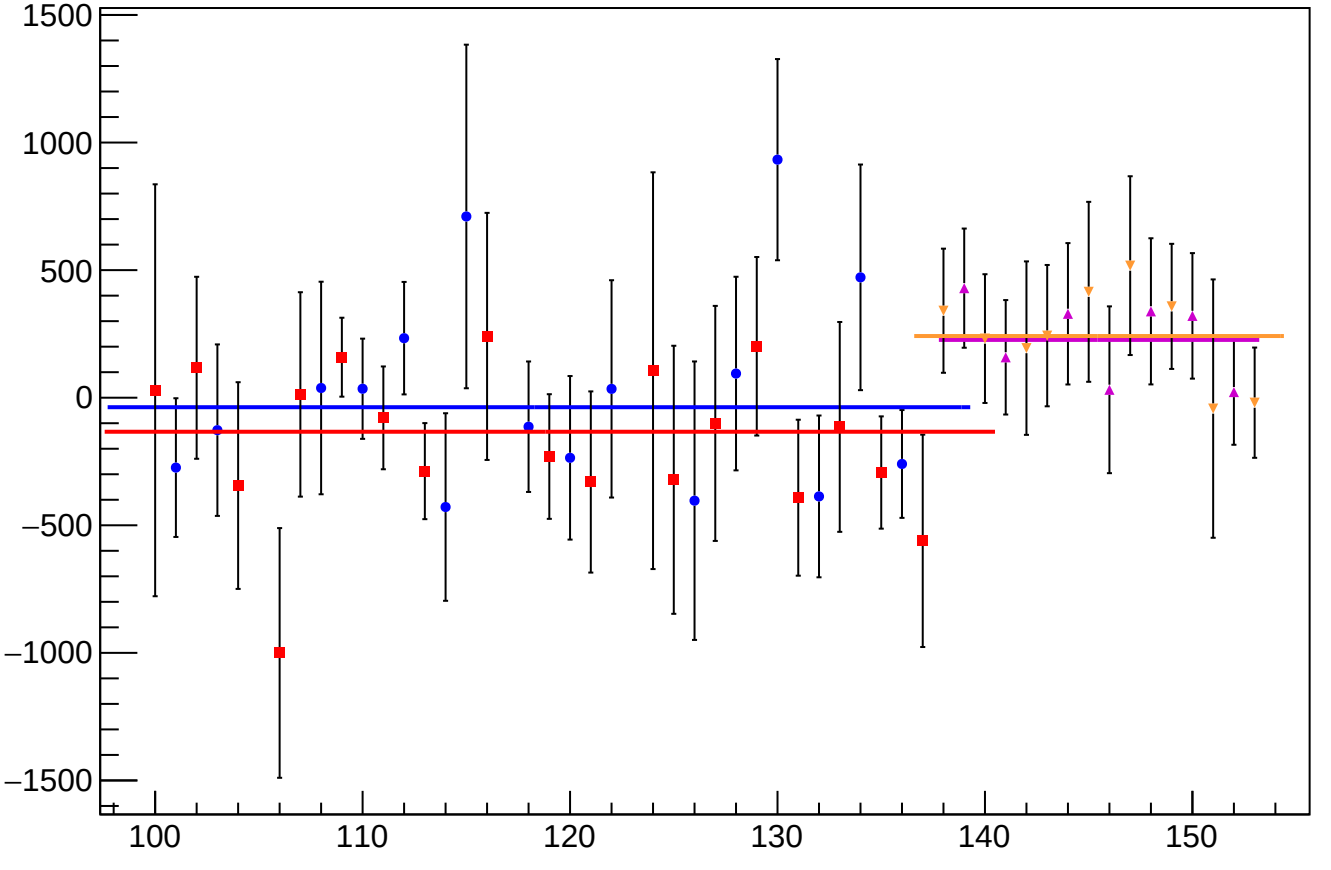
Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.492+/-0.002 χ^2/NDF:229575.5/22

Out: 10.583+/-0.002 χ^2/NDF:251134.7/27

All: 10.539+/-0.001 χ^2/NDF: 481738.1/50

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: 241.687+/-94.298 χ^2/NDF:3.1/8

Right Out: -133.386+/-68.885 χ^2/NDF: 12.9/18

Left In: 226.522+/-94.175 χ^2/NDF:2.6/6

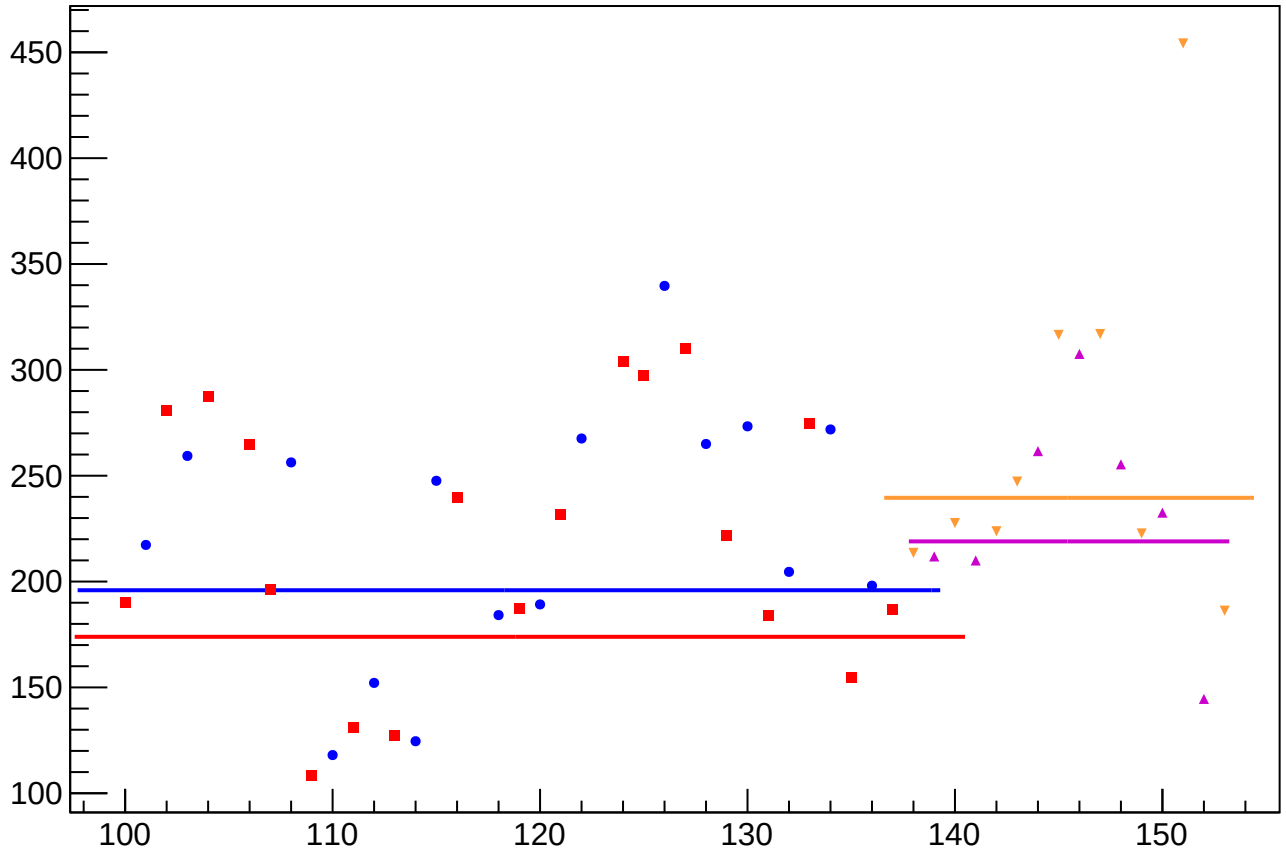
Left: 234.094+/-66.635 χ^2/NDF: 5.7/15

Right: -90.593+/-51.314 χ^2/NDF: 29.4/34

In: 68.300+/-59.571 χ^2/NDF:23.0/22

Out: -2.877+/-55.624 χ^2/NDF:26.3/27

All: 30.276+/-40.656 χ^2/NDF: 50.0/50



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 239.567+/-0.067 χ^2/NDF:716678.7/8

Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 218.974+/-0.067 χ^2/NDF:497111.3/6

Left: 229.257+/-0.047 χ^2/NDF: 1261544.0/15

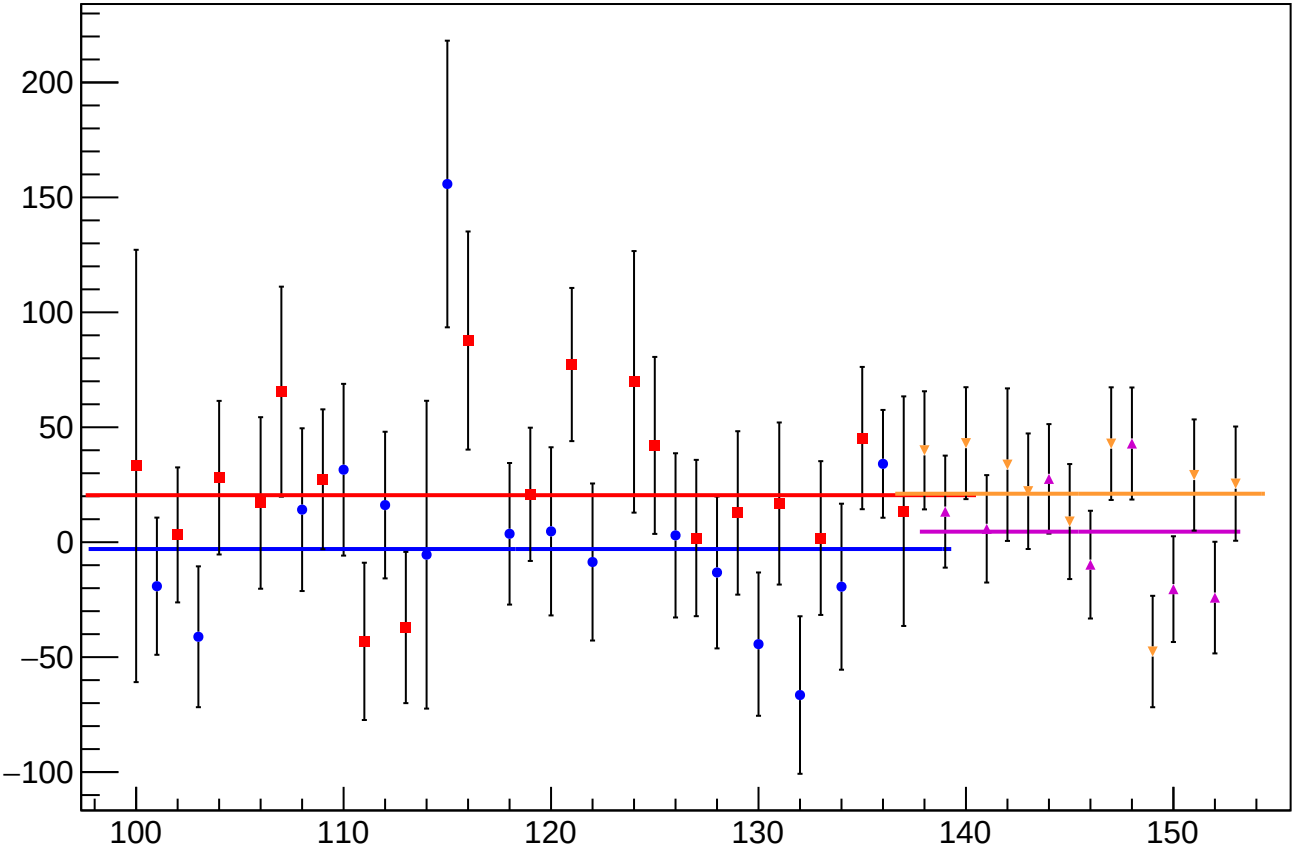
Right: 183.693+/-0.036 χ^2/NDF: 2701402.5/34

In: 205.132+/-0.042 χ^2/NDF:1580146.5/22

Out: 196.750+/-0.039 χ^2/NDF:2948666.5/27

All: 200.654+/-0.029 χ^2/NDF: 4549967.1/50

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: 21.091+/-8.455 χ^2/NDF:10.7/8

Right Out: 20.457+/-8.292 χ^2/NDF: 15.3/18

Left In: 4.582+/-8.992 χ^2/NDF:6.5/6

Left: 13.344+/-6.160 χ^2/NDF: 19.0/15

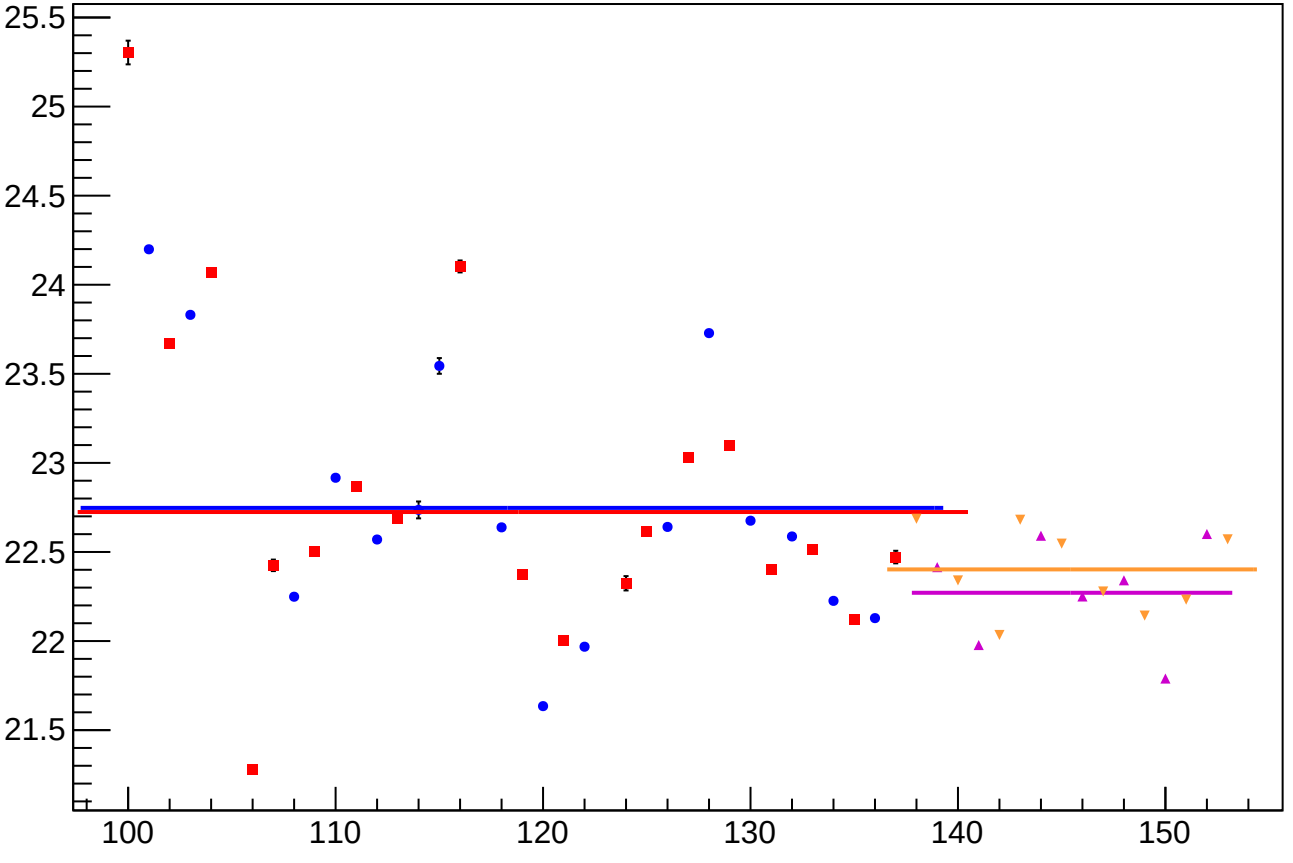
Right: 8.972+/-5.920 χ^2/NDF: 37.1/34

In: 0.575+/-6.159 χ^2/NDF:24.8/22

Out: 20.768+/-5.920 χ^2/NDF:26.0/27

All: 11.071+/-4.268 χ^2/NDF: 56.4/50

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.402+/-0.006 χ^2/NDF:1287.5/8

Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.271+/-0.006 χ^2/NDF:2009.6/6

Left: 22.341+/-0.004 χ^2/NDF: 3523.0/15

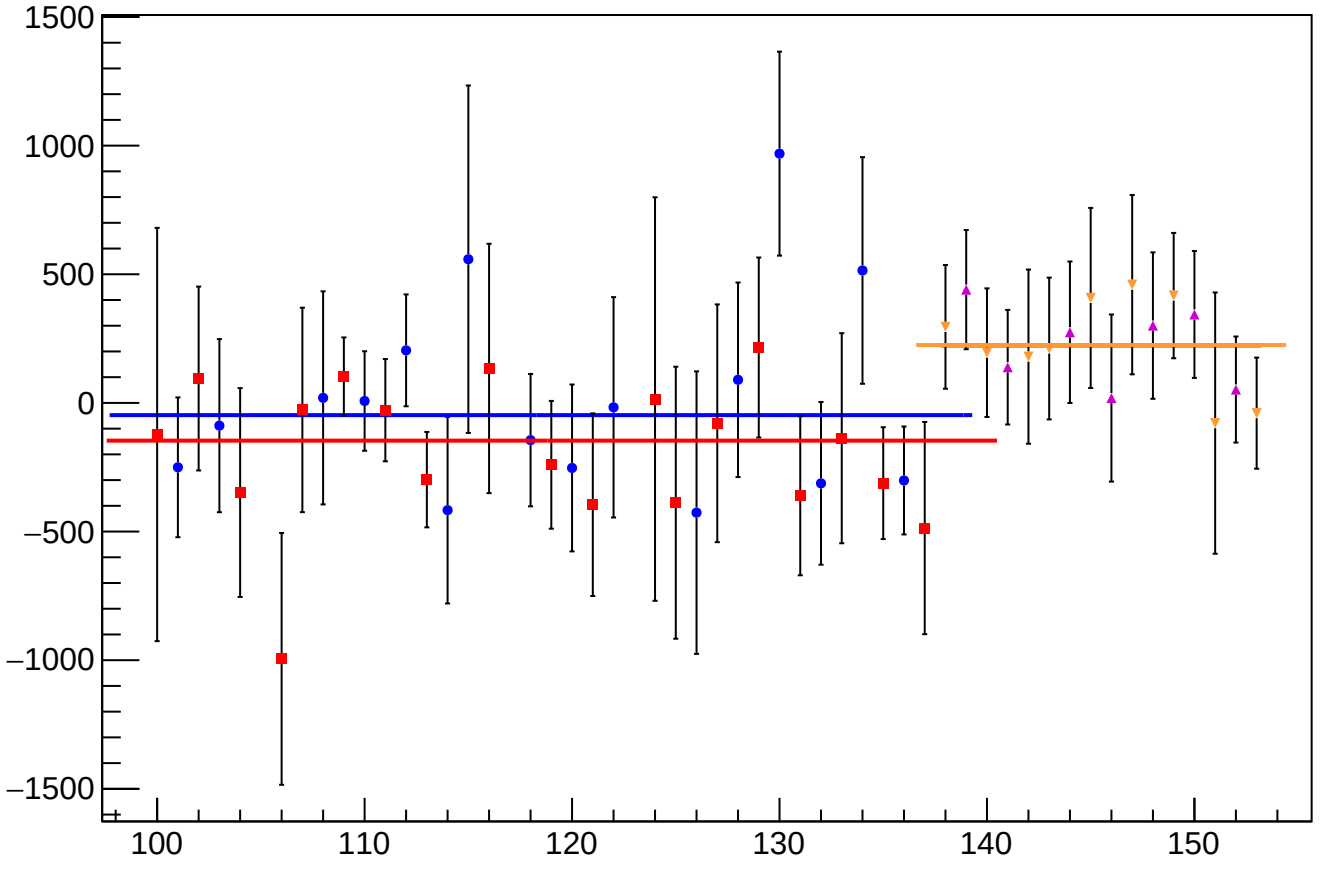
Right: 22.736+/-0.004 χ^2/NDF: 29121.1/34

In: 22.524+/-0.004 χ^2/NDF:19613.6/22

Out: 22.566+/-0.004 χ^2/NDF:17257.8/27

All: 22.546+/-0.003 χ^2/NDF: 36920.7/50

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: 224.885+/-93.749 χ^2/NDF:3.3/8

Right Out: -146.573+/-68.398 χ^2/NDF: 11.6/18

Left In: 223.164+/-93.713 χ^2/NDF:2.5/6

Left: 224.024+/-66.278 χ^2/NDF: 5.8/15

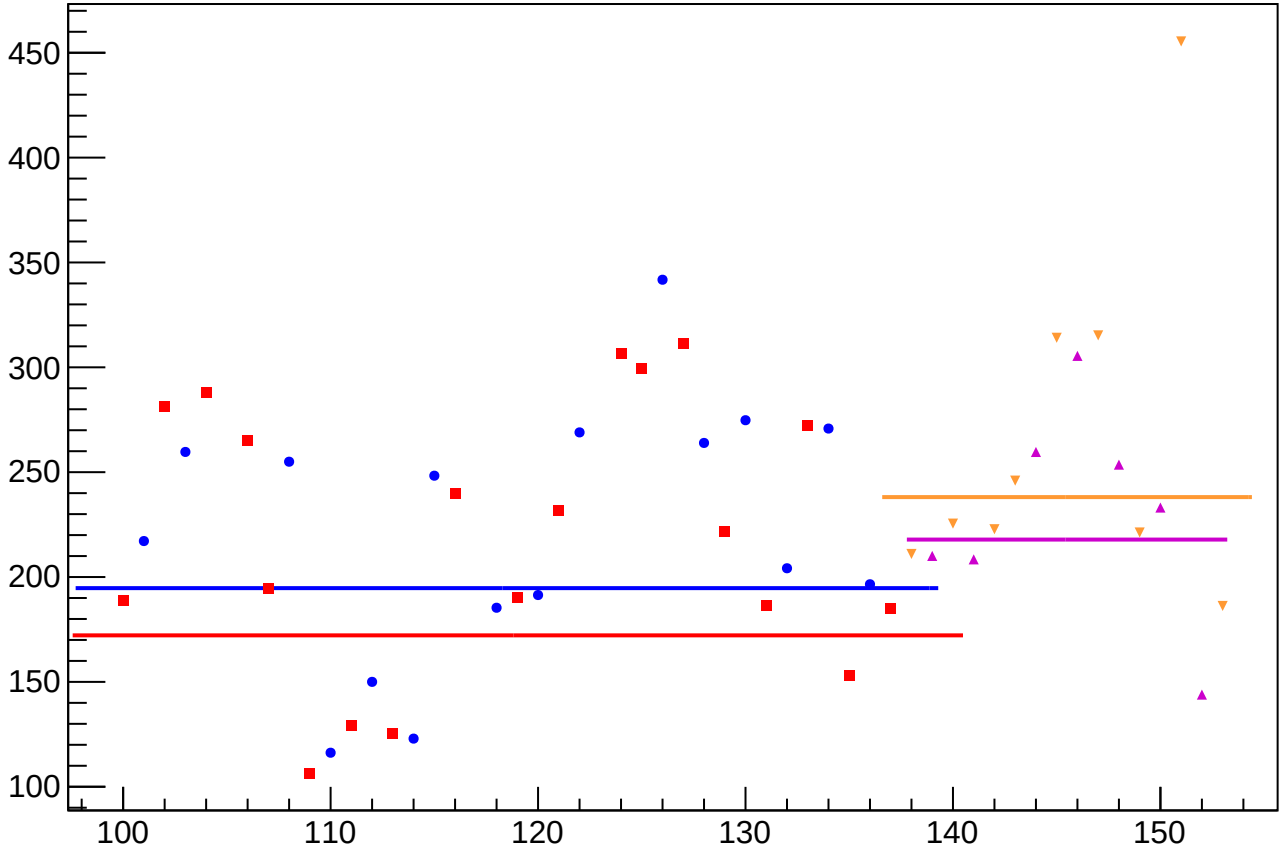
Right: -102.614+/-51.010 χ^2/NDF: 27.9/34

In: 60.846+/-59.295 χ^2/NDF:22.9/22

Out: -17.534+/-55.255 χ^2/NDF:25.1/27

All: 18.895+/-40.424 χ^2/NDF: 48.9/50

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 238.114+/-0.066 χ^2/NDF:719808.5/8

Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 217.863+/-0.066 χ^2/NDF:494113.5/6

Left: 227.984+/-0.047 χ^2/NDF: 1260601.3/15

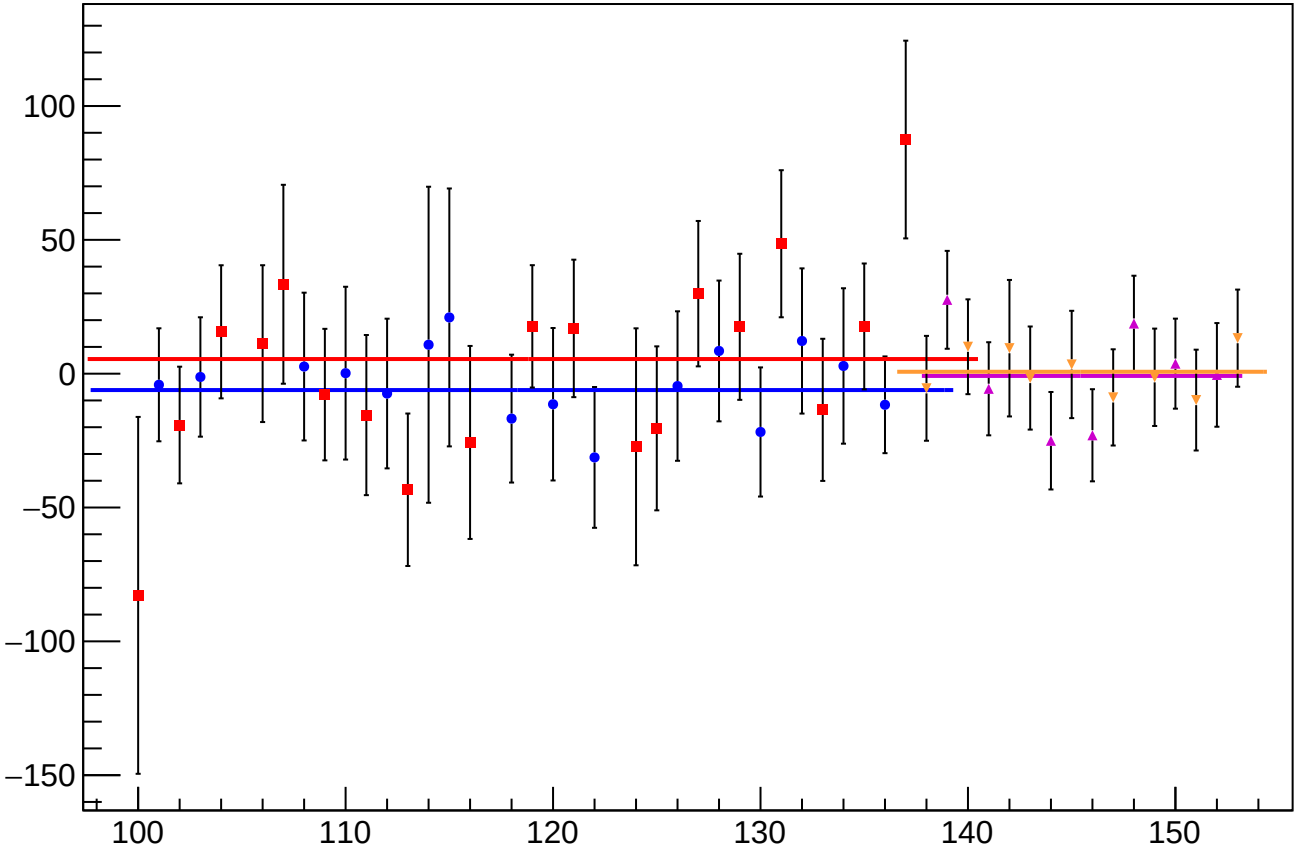
Right: 182.181+/-0.036 χ^2/NDF: 2819594.0/34

In: 203.978+/-0.042 χ^2/NDF:1619620.4/22

Out: 195.088+/-0.039 χ^2/NDF:3036365.9/27

All: 199.220+/-0.029 χ^2/NDF: 4680046.4/50

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 0.718+/-6.390 χ^2/NDF:1.6/8

Right Out: 5.470+/-6.509 χ^2/NDF: 19.2/18

Left In: -0.839+/-6.738 χ^2/NDF:7.2/6

Left: -0.019+/-4.637 χ^2/NDF: 8.8/15

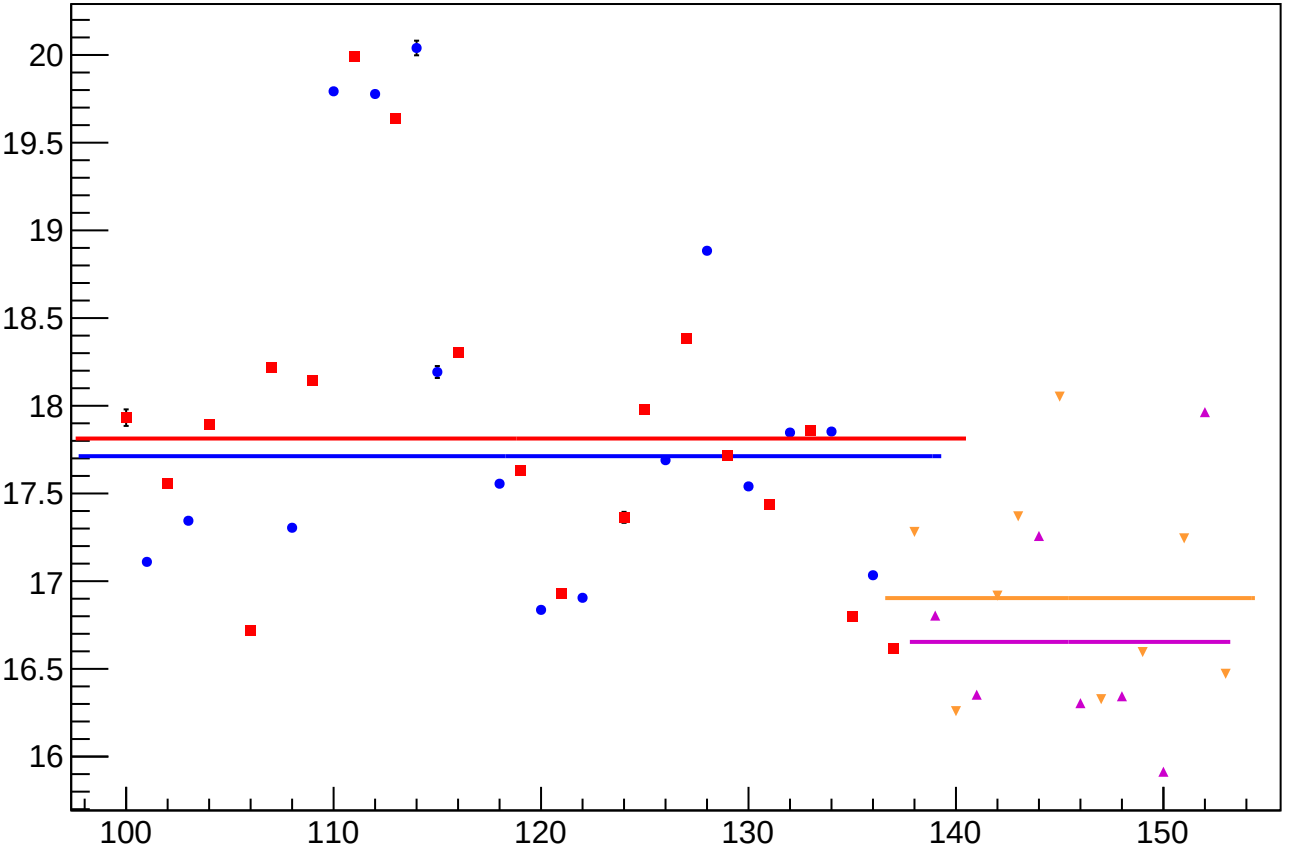
Right: -0.251+/-4.632 χ^2/NDF: 23.9/34

In: -3.537+/-4.712 χ^2/NDF:10.6/22

Out: 3.050+/-4.560 χ^2/NDF:21.1/27

All: -0.135+/-3.277 χ^2/NDF: 32.7/50

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: 16.904+/-0.005 χ^2/NDF:15541.2/8

Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.654+/-0.005 χ^2/NDF:17382.0/6

Left: 16.785+/-0.003 χ^2/NDF: 34370.3/15

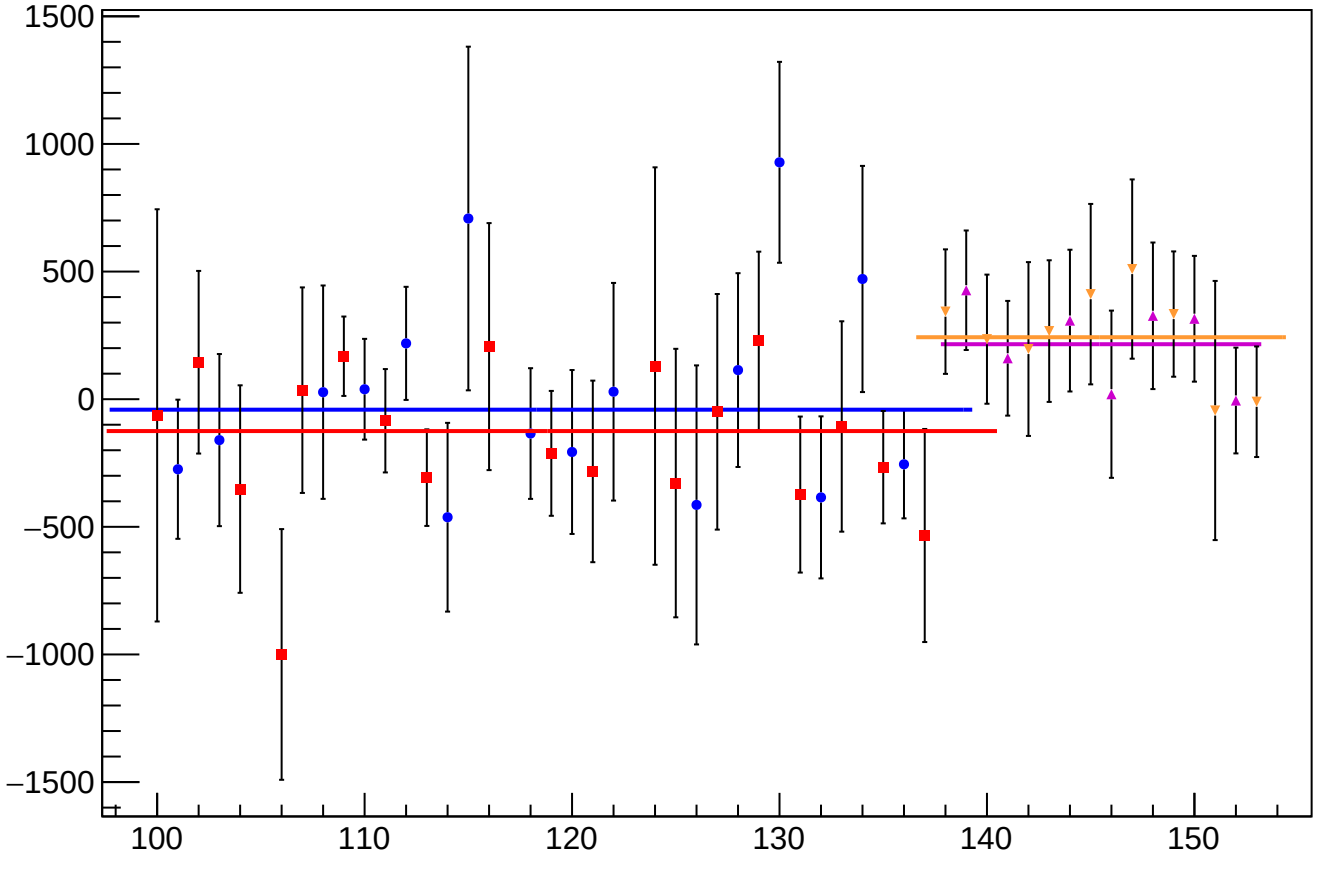
Right: 17.764+/-0.003 χ^2/NDF: 68933.0/34

In: 17.195+/-0.003 χ^2/NDF:78602.3/22

Out: 17.350+/-0.003 χ^2/NDF:68147.4/27

All: 17.275+/-0.002 χ^2/NDF: 147871.3/50

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 242.798+/-94.509 χ^2/NDF:2.8/8

Right Out: -124.872+/-69.109 χ^2/NDF: 12.9/18

Left In: 215.395+/-94.396 χ^2/NDF:2.8/6

Left: 229.080+/-66.788 χ^2/NDF: 5.7/15

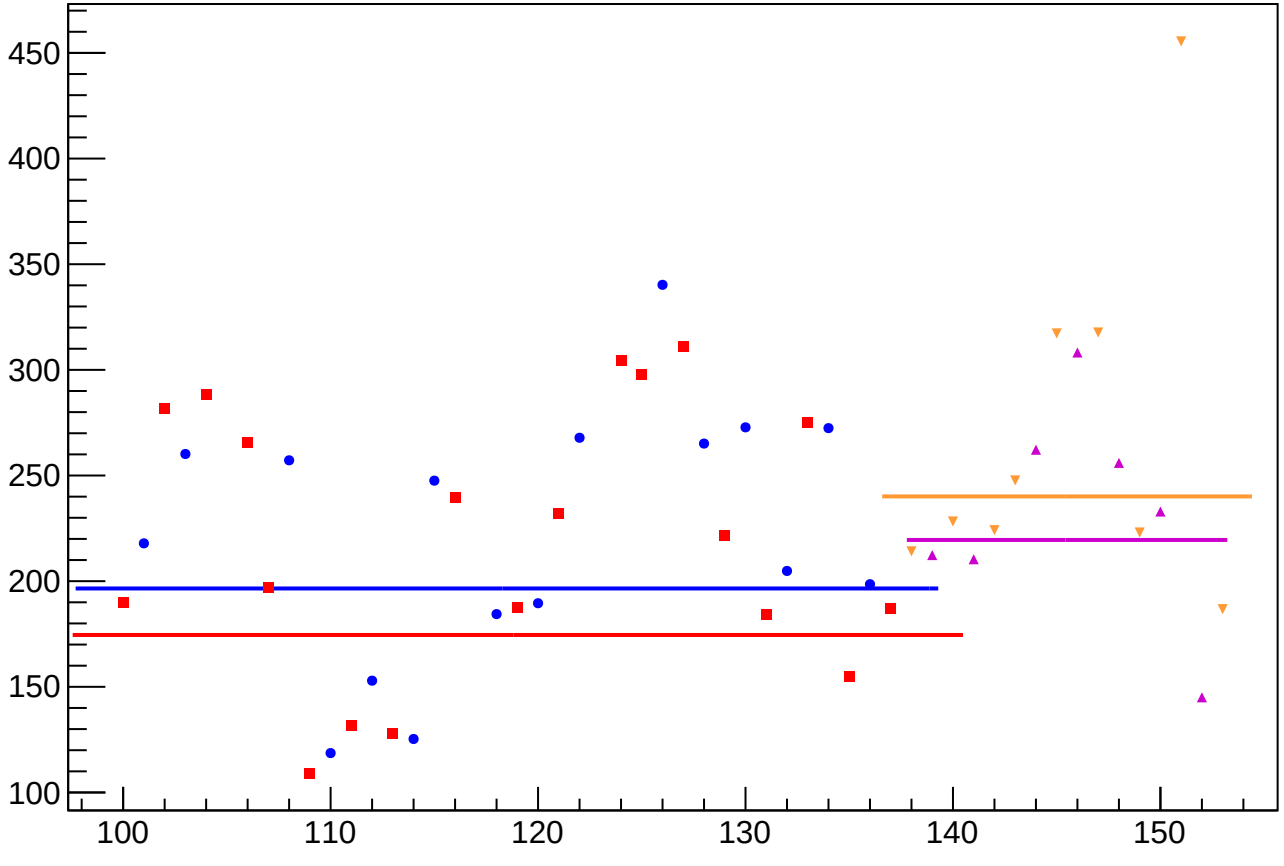
Right: -87.579+/-51.473 χ^2/NDF: 29.1/34

In: 61.592+/-59.732 χ^2/NDF:22.8/22

Out: 3.227+/-55.785 χ^2/NDF:25.6/27

All: 30.418+/-40.770 χ^2/NDF: 48.9/50

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: 240.105+/-0.067 χ^2/NDF:716747.9/8

Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 219.507+/-0.067 χ^2/NDF:495561.7/6

Left: 229.794+/-0.047 χ^2/NDF: 1259864.9/15

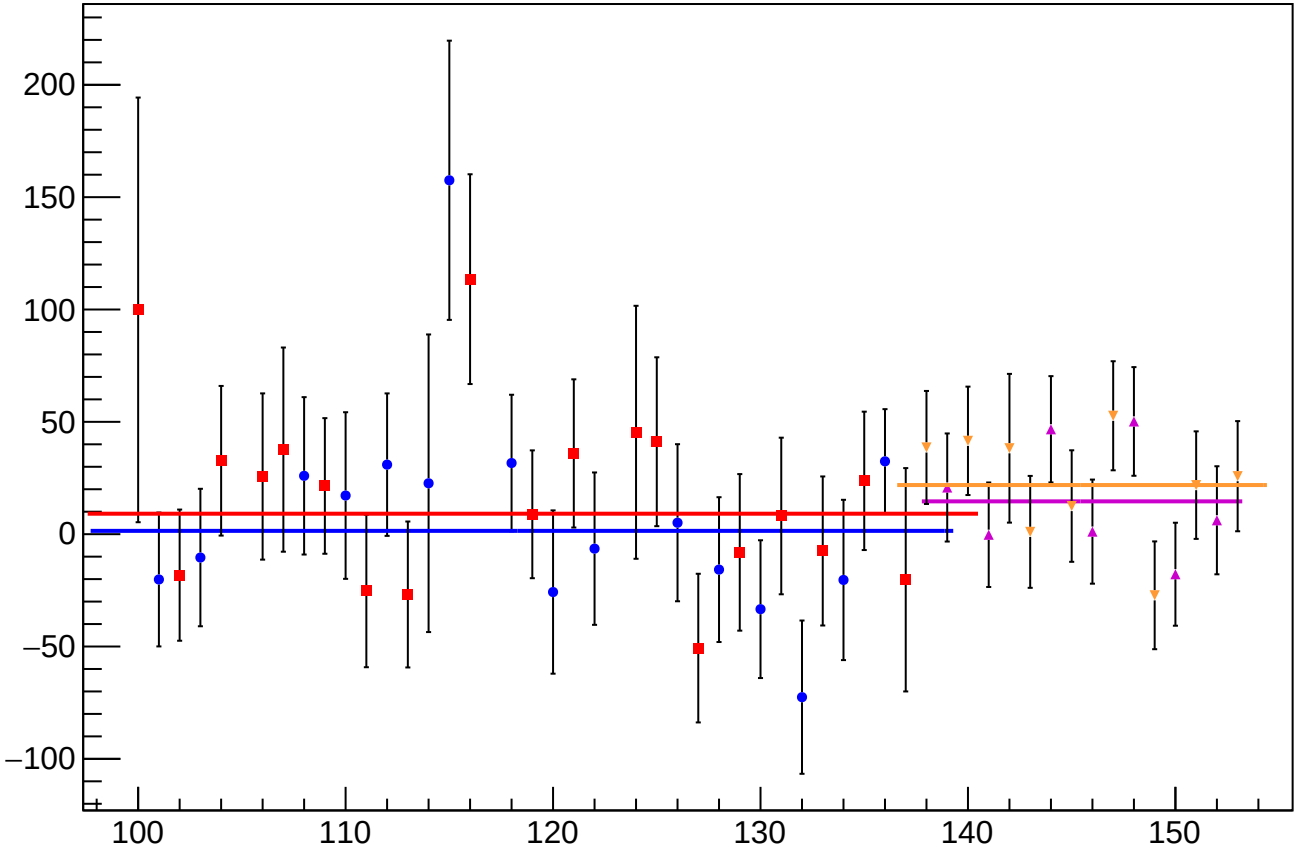
Right: 184.337+/-0.036 χ^2/NDF: 2679758.7/34

In: 205.737+/-0.042 χ^2/NDF:1567308.4/22

Out: 197.383+/-0.039 χ^2/NDF:2932660.6/27

All: 201.275+/-0.029 χ^2/NDF: 4520865.2/50

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: 21.869+/-8.365 χ^2/NDF:8.0/8

Right Out: 9.113+/-8.198 χ^2/NDF: 16.5/18

Left In: 14.607+/-8.919 χ^2/NDF:6.9/6

Left: 18.471+/-6.101 χ^2/NDF: 15.3/15

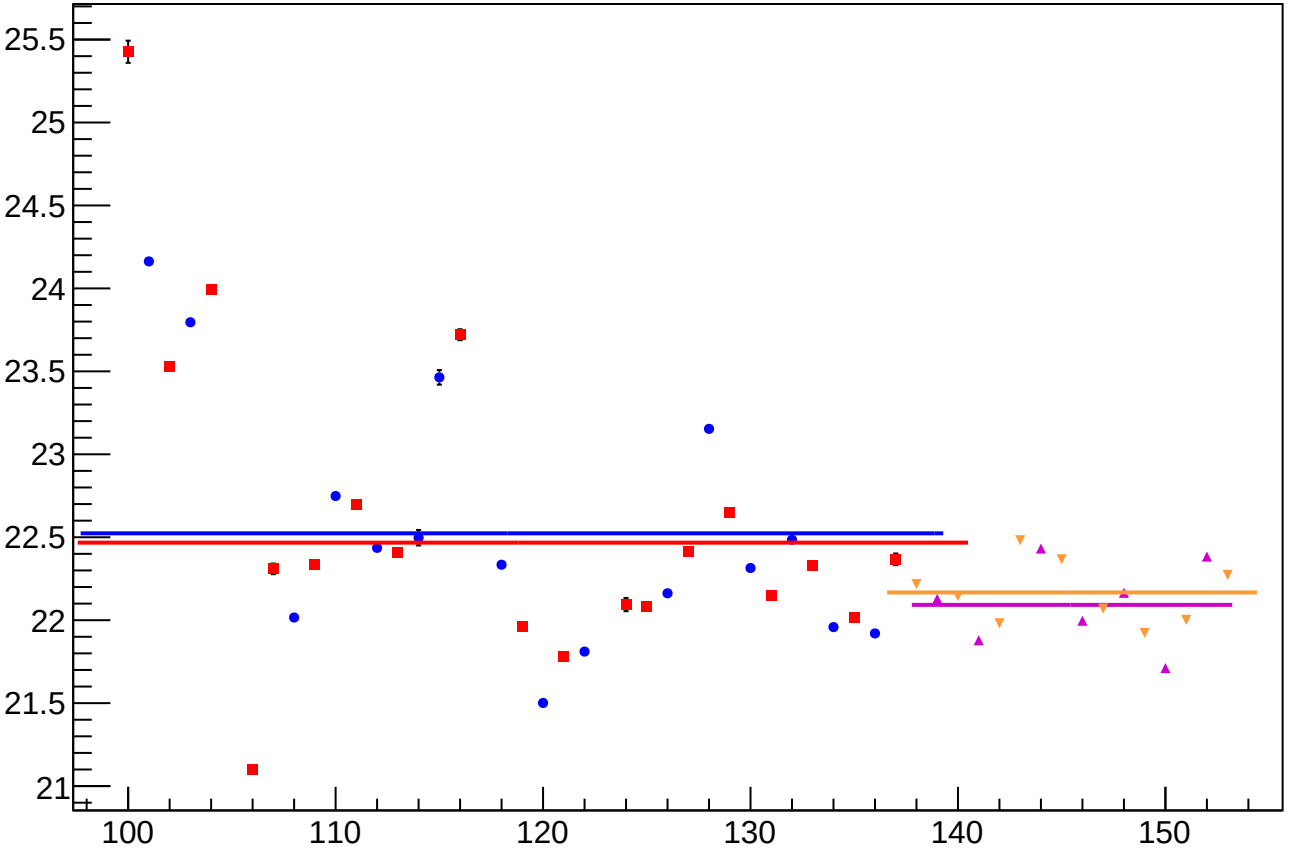
Right: 5.374+/-5.857 χ^2/NDF: 35.6/34

In: 7.625+/-6.104 χ^2/NDF:26.8/22

Out: 15.362+/-5.855 χ^2/NDF:25.7/27

All: 11.654+/-4.225 χ^2/NDF: 53.3/50

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: 22.167+/-0.006 χ^2/NDF:892.6/8

Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.092+/-0.006 χ^2/NDF:1483.9/6

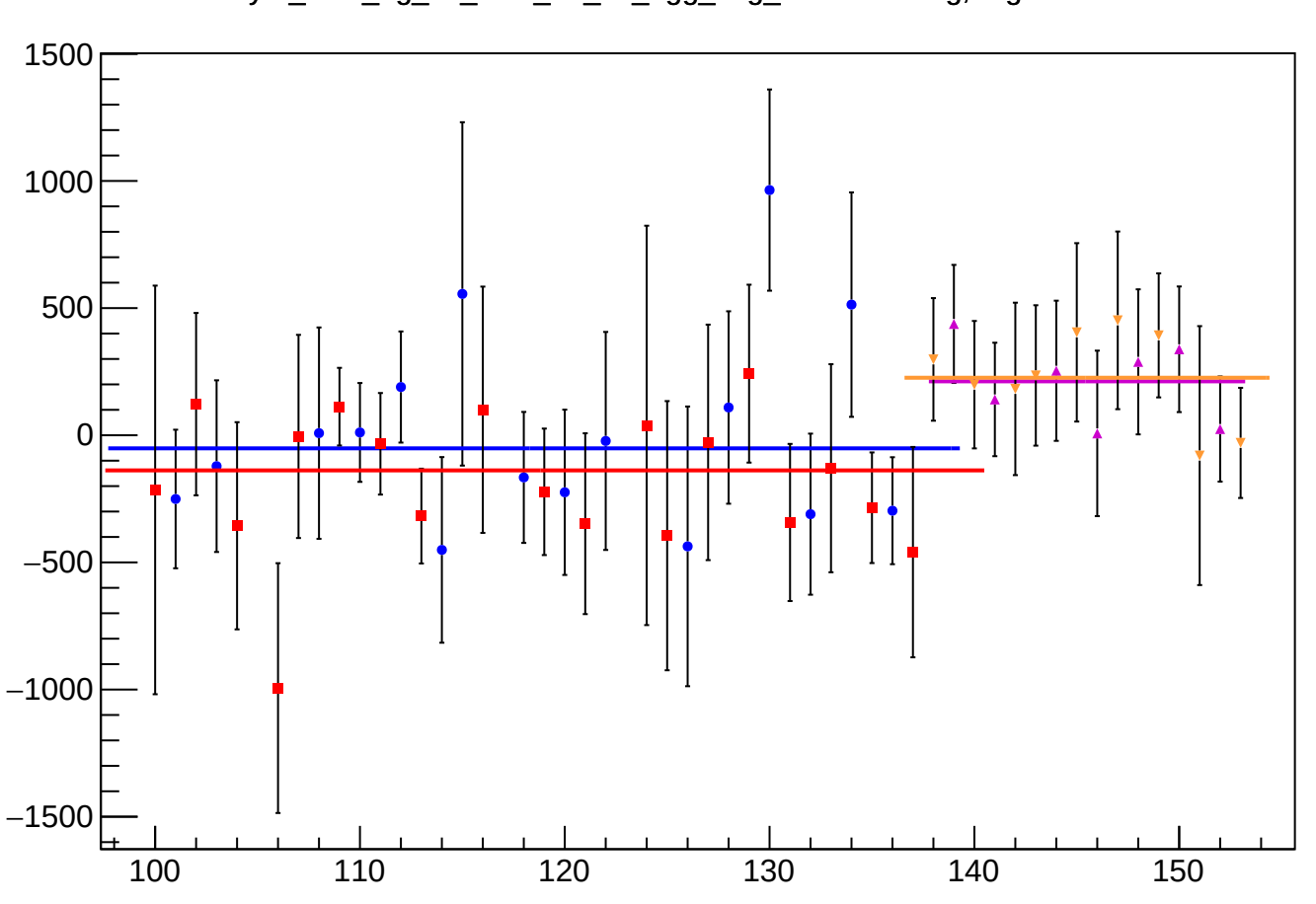
Left: 22.132+/-0.004 χ^2/NDF: 2451.6/15

Right: 22.495+/-0.004 χ^2/NDF: 31619.9/34

In: 22.322+/-0.004 χ^2/NDF:19917.4/22

Out: 22.320+/-0.004 χ^2/NDF:17834.0/27

All: 22.321+/-0.003 χ^2/NDF: 37751.4/50



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 226.167+/-93.960 χ^2/NDF:3.0/8

Right Out: -138.184+/-68.625 χ^2/NDF: 11.6/18

Left In: 211.977+/-93.936 χ^2/NDF:2.6/6

Left: 219.070+/-66.431 χ^2/NDF: 5.7/15

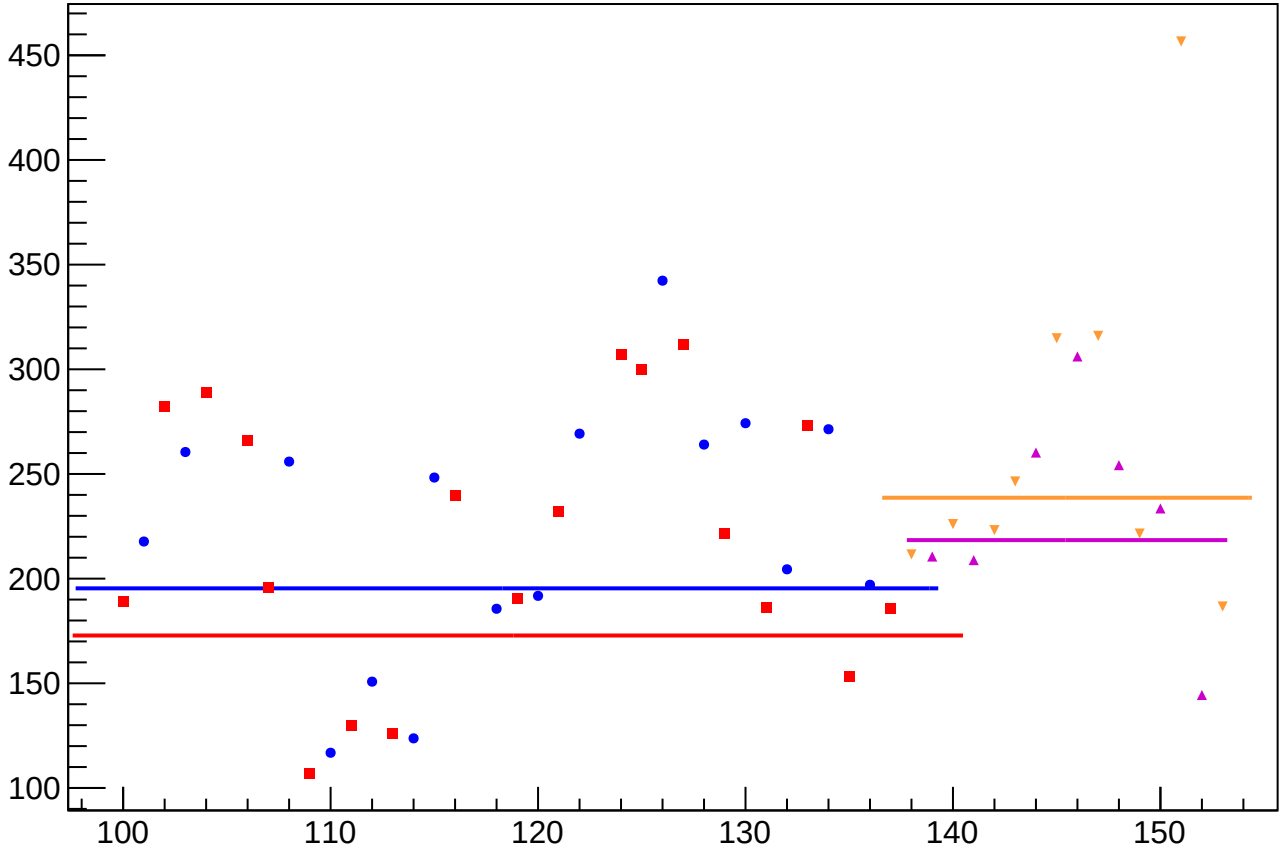
Right: -99.695+/-51.171 χ^2/NDF: 27.7/34

In: 54.060+/-59.457 χ^2/NDF:22.7/22

Out: -11.439+/-55.418 χ^2/NDF:24.4/27

All: 19.010+/-40.539 χ^2/NDF: 47.8/50

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 238.650+/-0.066 χ^2/NDF:719902.1/8

Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 218.402+/-0.066 χ^2/NDF:492463.7/6

Left: 228.523+/-0.047 χ^2/NDF: 1258815.6/15

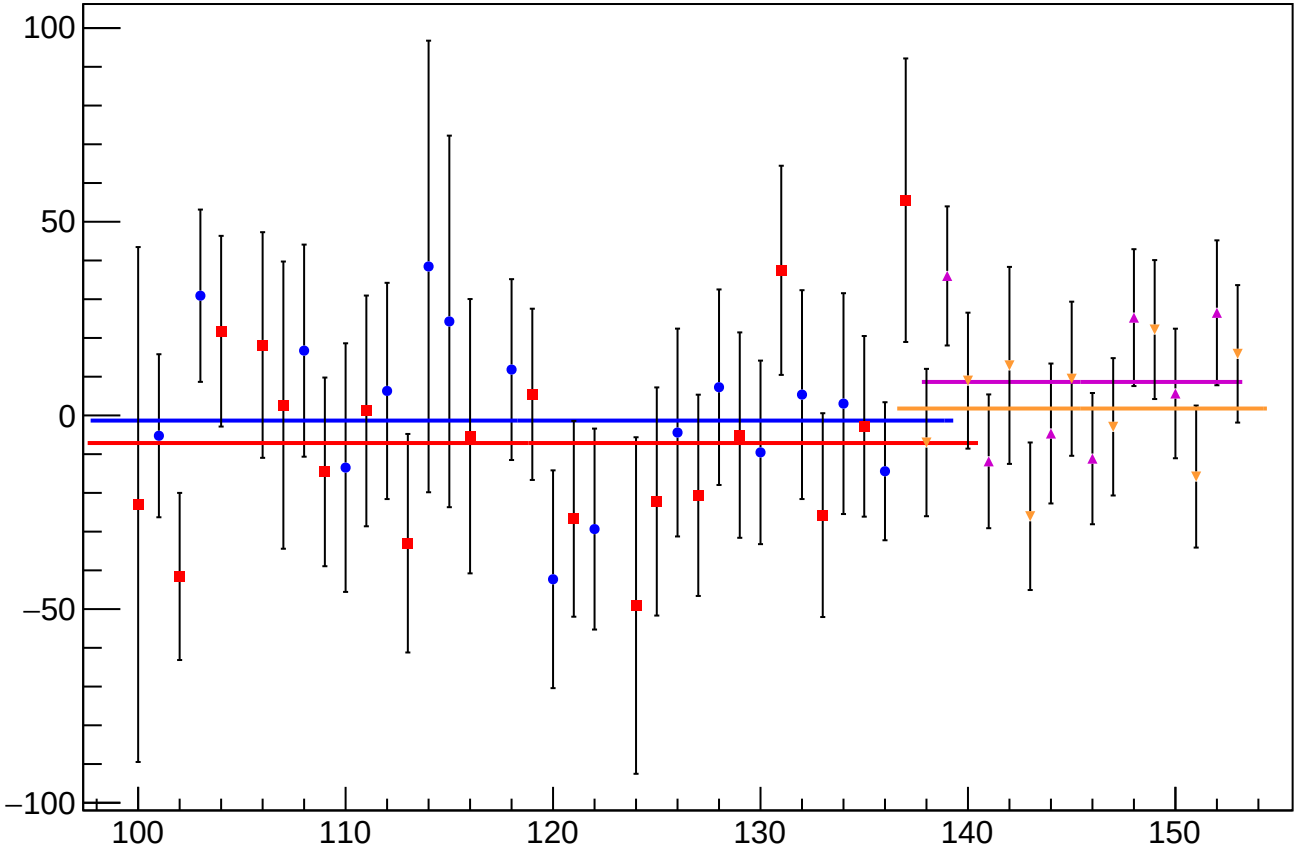
Right: 182.837+/-0.036 χ^2/NDF: 2796519.3/34

In: 204.592+/-0.042 χ^2/NDF:1606017.8/22

Out: 195.731+/-0.039 χ^2/NDF:3019217.4/27

All: 199.850+/-0.029 χ^2/NDF: 4649004.1/50

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: 1.781+/-6.290 χ^2/NDF:5.8/8

Right Out: -7.126+/-6.402 χ^2/NDF: 14.4/18

Left In: 8.643+/-6.646 χ^2/NDF:7.5/6

Left: 5.023+/-4.568 χ^2/NDF: 13.8/15

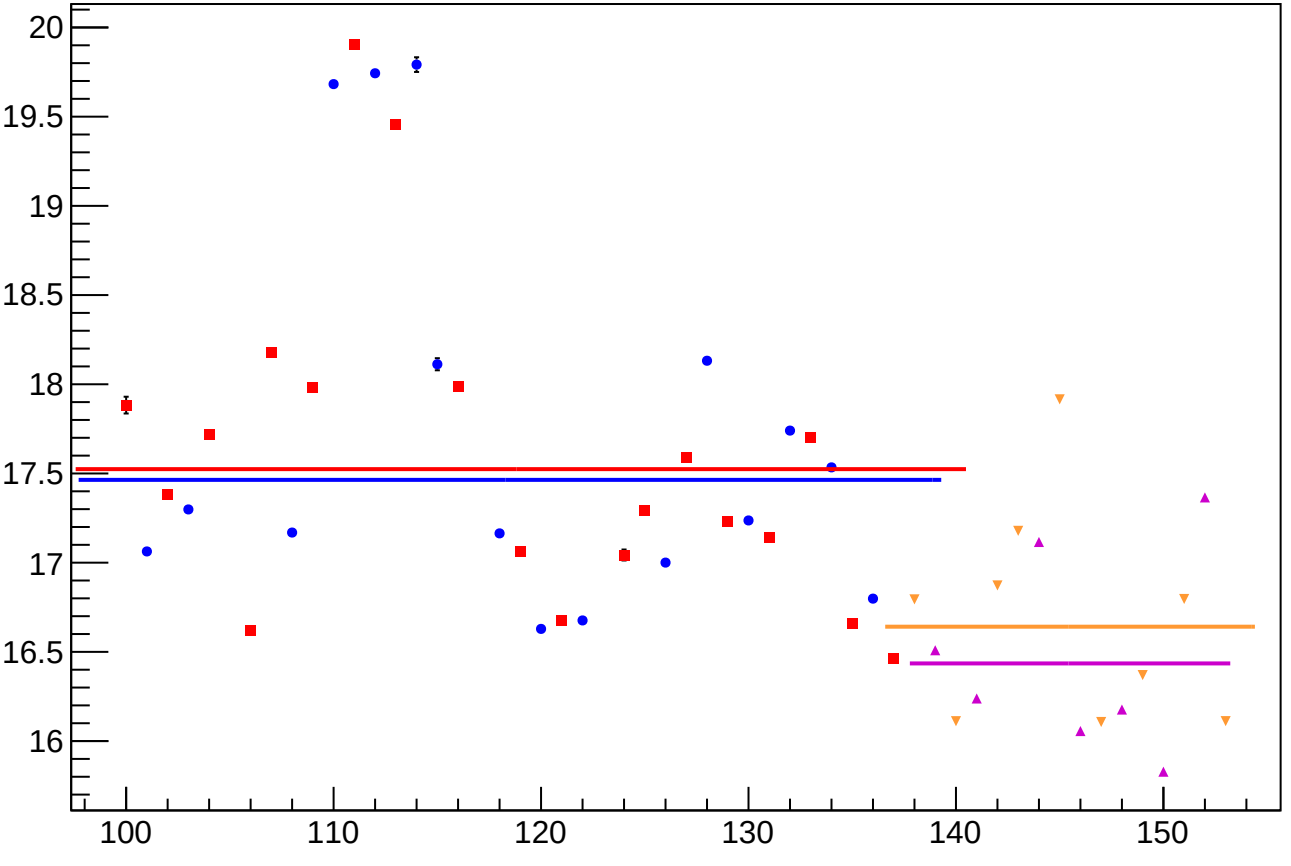
Right: -4.272+/-4.561 χ^2/NDF: 22.8/34

In: 3.544+/-4.646 χ^2/NDF:16.6/22

Out: -2.594+/-4.487 χ^2/NDF:21.2/27

All: 0.368+/-3.228 χ^2/NDF: 38.7/50

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: 16.641+/-0.004 χ^2/NDF:16111.7/8

Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.435+/-0.005 χ^2/NDF:12147.0/6

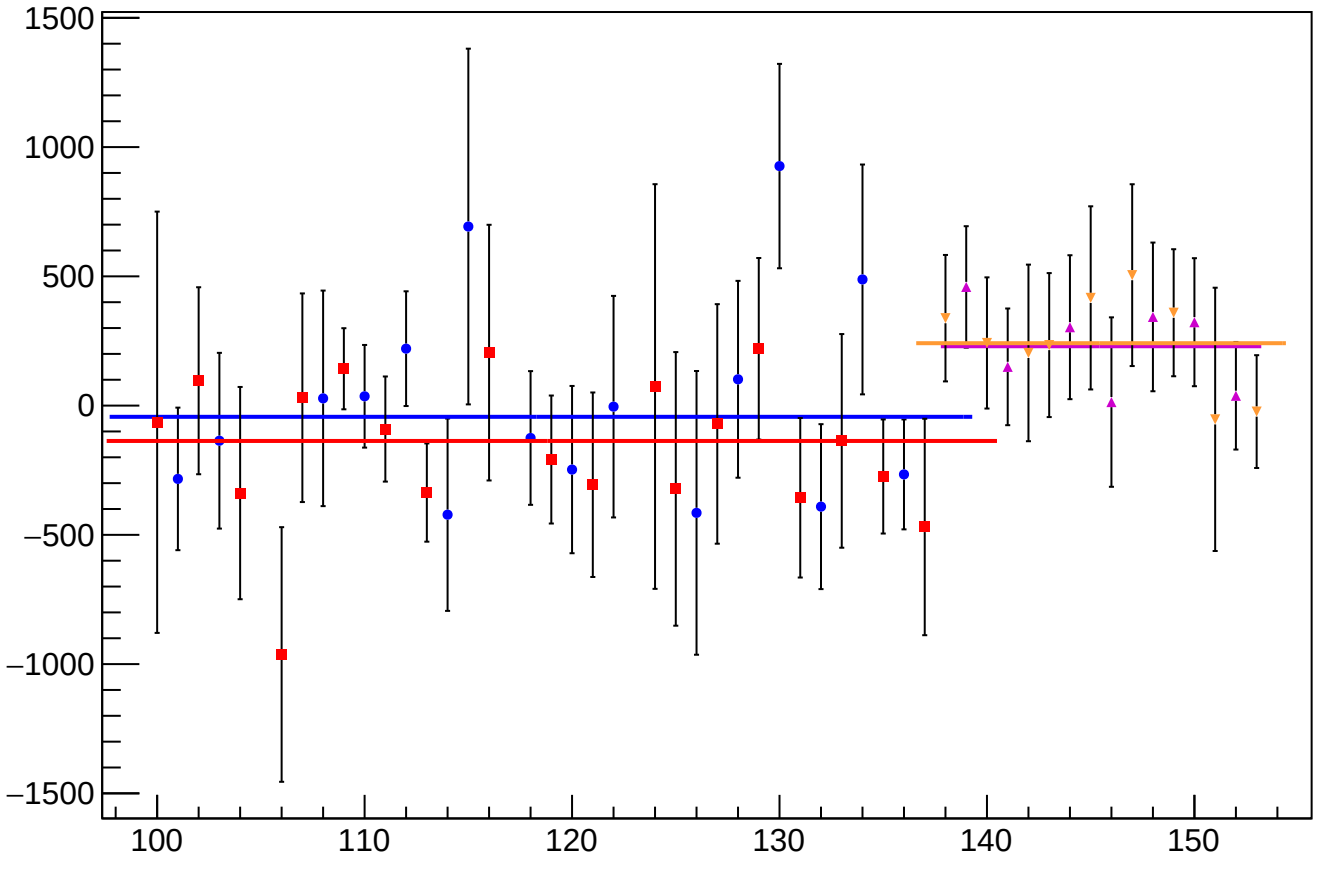
Left: 16.544+/-0.003 χ^2/NDF: 29271.6/15

Right: 17.495+/-0.003 χ^2/NDF: 71463.1/34

In: 16.961+/-0.003 χ^2/NDF:73304.3/22

Out: 17.075+/-0.003 χ^2/NDF:70205.7/27

All: 17.020+/-0.002 χ^2/NDF: 144129.5/50



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 241.405+/-94.834 χ^2/NDF:3.0/8

Right Out: -136.778+/-69.557 χ^2/NDF: 11.5/18

Left In: 229.605+/-94.721 χ^2/NDF:2.7/6

Left: 235.498+/-67.018 χ^2/NDF: 5.7/15

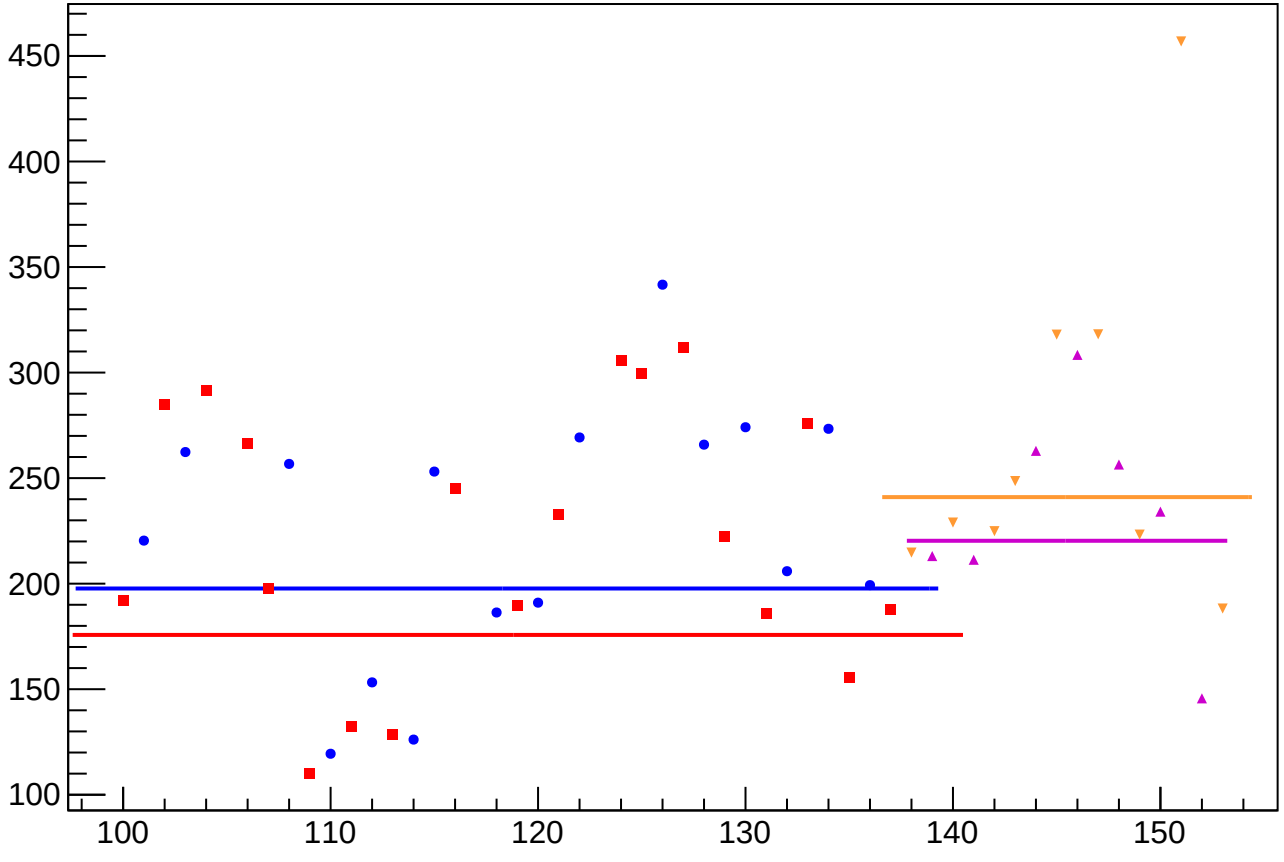
Right: -95.161+/-51.790 χ^2/NDF: 27.8/34

In: 66.226+/-60.020 χ^2/NDF:23.2/22

Out: -4.494+/-56.088 χ^2/NDF:24.9/27

All: 28.473+/-40.980 χ^2/NDF: 48.8/50

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 241.001+/-0.067 χ^2/NDF:711093.0/8

Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 220.316+/-0.067 χ^2/NDF:491501.9/6

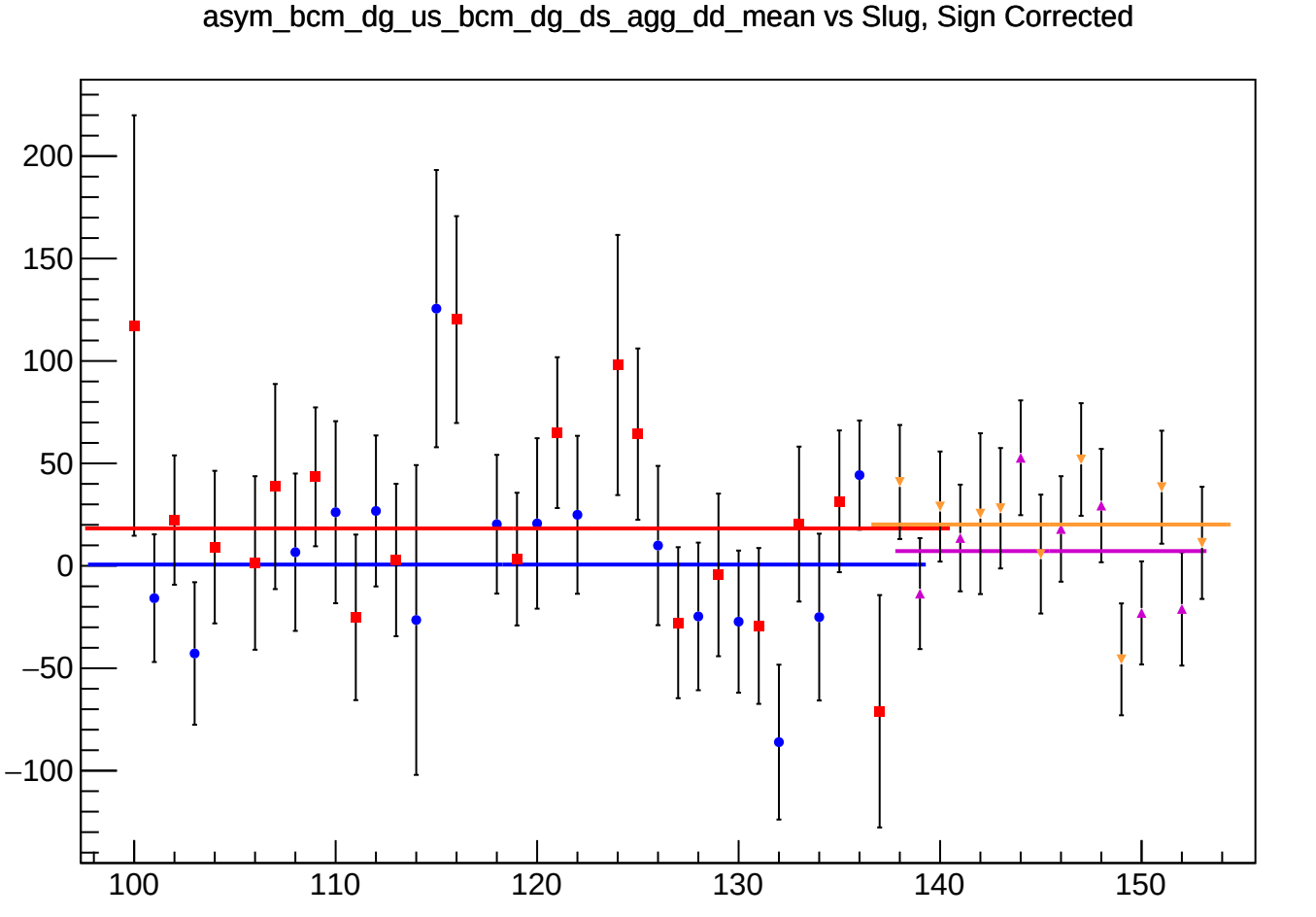
Left: 230.646+/-0.047 χ^2/NDF: 1250226.7/15

Right: 185.515+/-0.037 χ^2/NDF: 2679972.8/34

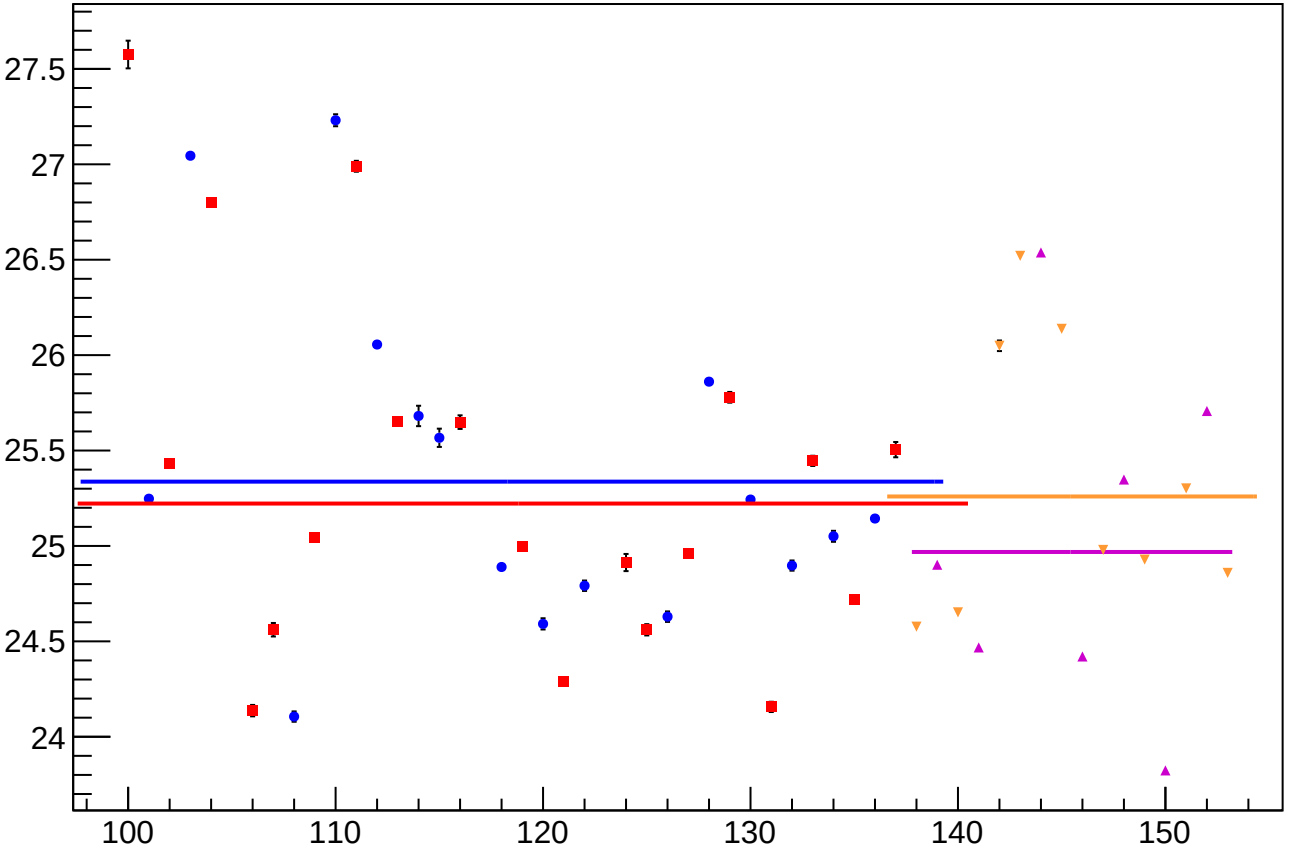
In: 206.785+/-0.042 χ^2/NDF:1560019.1/22

Out: 198.552+/-0.040 χ^2/NDF:2917944.6/27

All: 202.390+/-0.029 χ^2/NDF: 4498054.6/50


asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
110
120
130
140
150
Right In: 0.619+/-9.421 χ²/NDF: 16.7/15
Left Out: 20.179+/-9.542 χ²/NDF:8.7/8
Right Out: 18.248+/-9.208 χ²/NDF: 18.0/18
Left In: 7.199+/-10.094 χ²/NDF:6.6/6
Left: 14.054+/-6.934 χ²/NDF: 16.2/15
Right: 9.635+/-6.585 χ²/NDF: 36.5/34
In: 3.683+/-6.888 χ²/NDF:23.6/22
Out: 19.179+/-6.626 χ²/NDF:26.7/27
All: 11.731+/-4.775 χ²/NDF: 52.9/50

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: 25.259+/-0.007 χ^2/NDF:9479.8/8

Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 24.968+/-0.007 χ^2/NDF:13879.3/6

Left: 25.122+/-0.005 χ^2/NDF: 24235.9/15

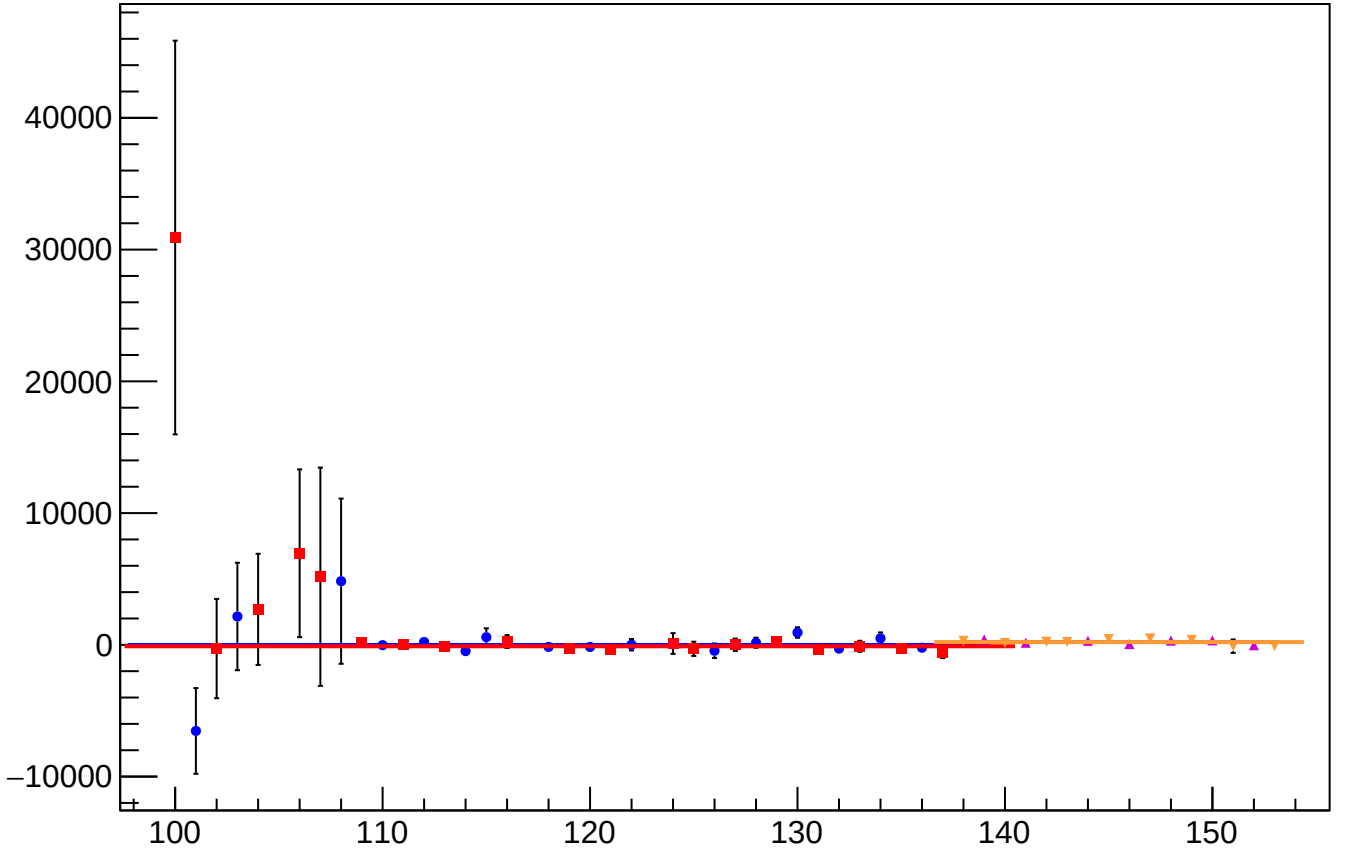
Right: 25.278+/-0.005 χ^2/NDF: 29691.5/34

In: 25.165+/-0.005 χ^2/NDF:29619.5/22

Out: 25.240+/-0.005 χ^2/NDF:24719.9/27

All: 25.204+/-0.003 χ^2/NDF: 54461.4/50

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 209.716+/-96.473 χ^2/NDF:3.7/8

Right Out: -108.825+/-78.099 χ^2/NDF: 14.0/18

Left In: 215.048+/-95.753 χ^2/NDF:2.8/6

Left: 212.402+/-67.960 χ^2/NDF: 6.5/15

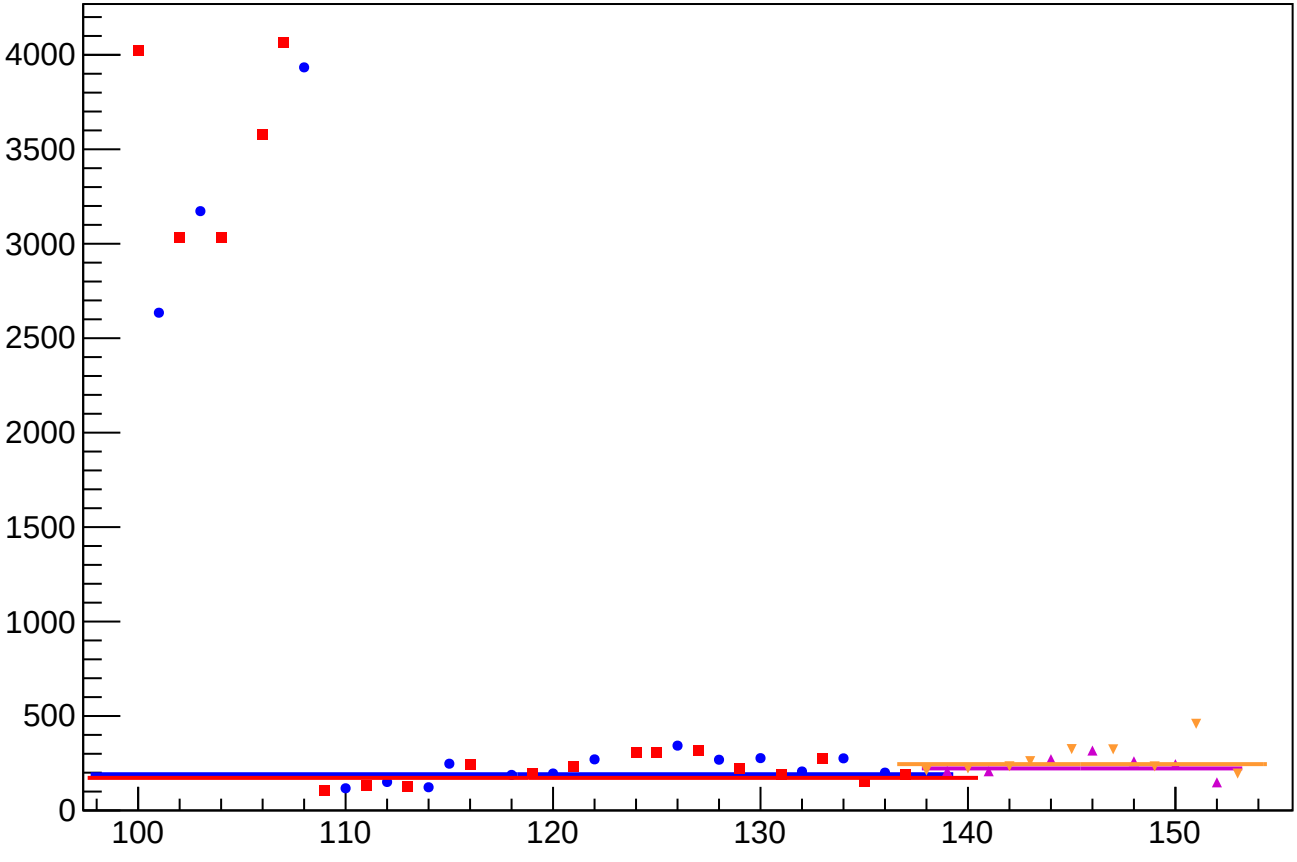
Right: -65.918+/-57.416 χ^2/NDF: 33.0/34

In: 85.735+/-63.442 χ^2/NDF:24.4/22

Out: 17.286+/-60.701 χ^2/NDF:24.3/27

All: 50.000+/-43.859 χ^2/NDF: 49.3/50

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: 245.240+/-0.068 χ^2/NDF:711019.8/8

Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

Left In: 222.507+/-0.068 χ^2/NDF:523251.7/6

Left: 233.788+/-0.048 χ^2/NDF: 1290211.9/15

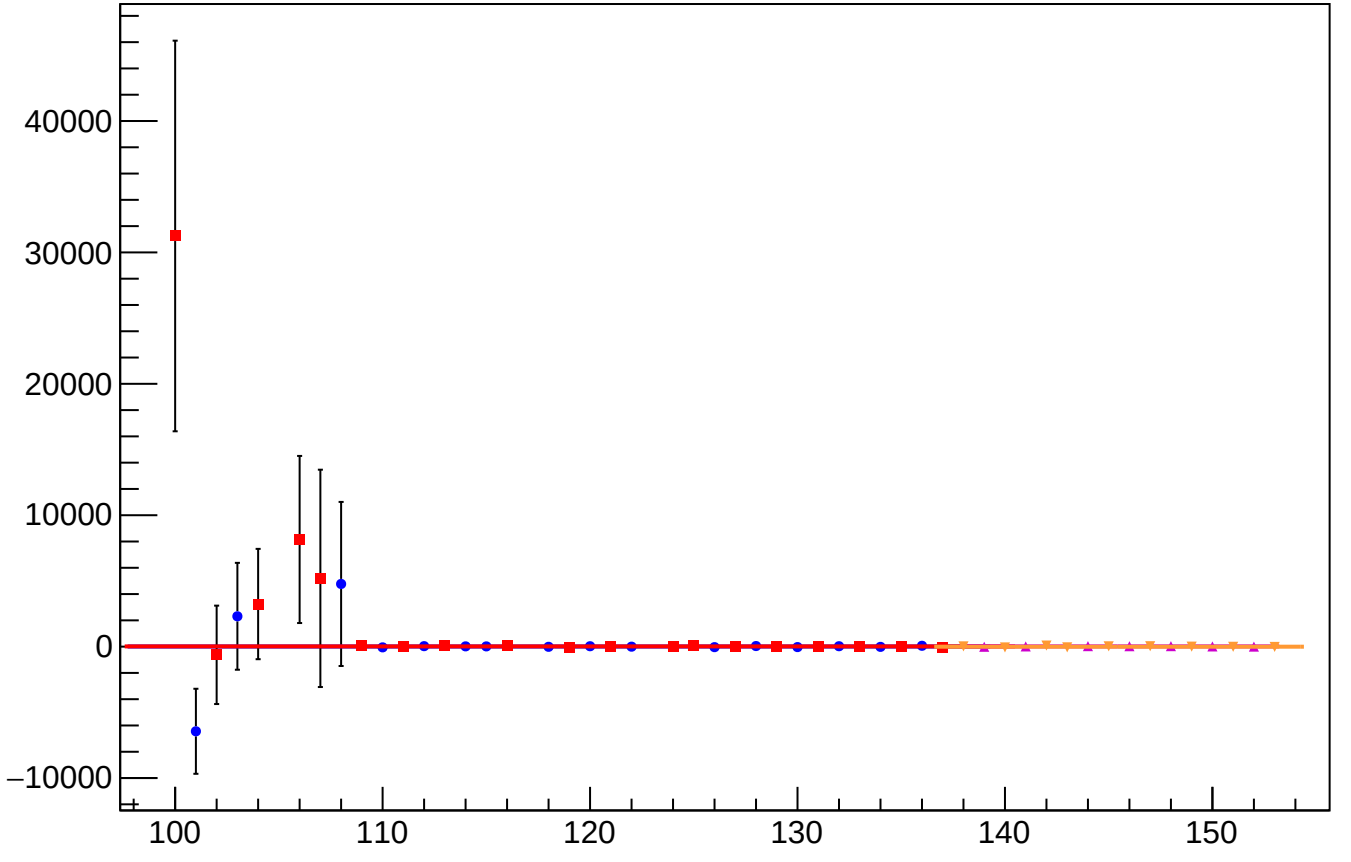
Right: 181.319+/-0.041 χ^2/NDF: 8180903.6/34

In: 205.244+/-0.045 χ^2/NDF:4460935.7/22

Out: 201.275+/-0.043 χ^2/NDF:5701731.5/27

All: 203.172+/-0.031 χ^2/NDF: 10166753.5/50

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: -4.528+/-11.146 χ^2/NDF:11.5/8

Right Out: 18.105+/-11.805 χ^2/NDF: 24.8/18

Left In: 19.278+/-11.975 χ^2/NDF:2.0/6

Left: 6.523+/-8.159 χ^2/NDF: 15.6/15

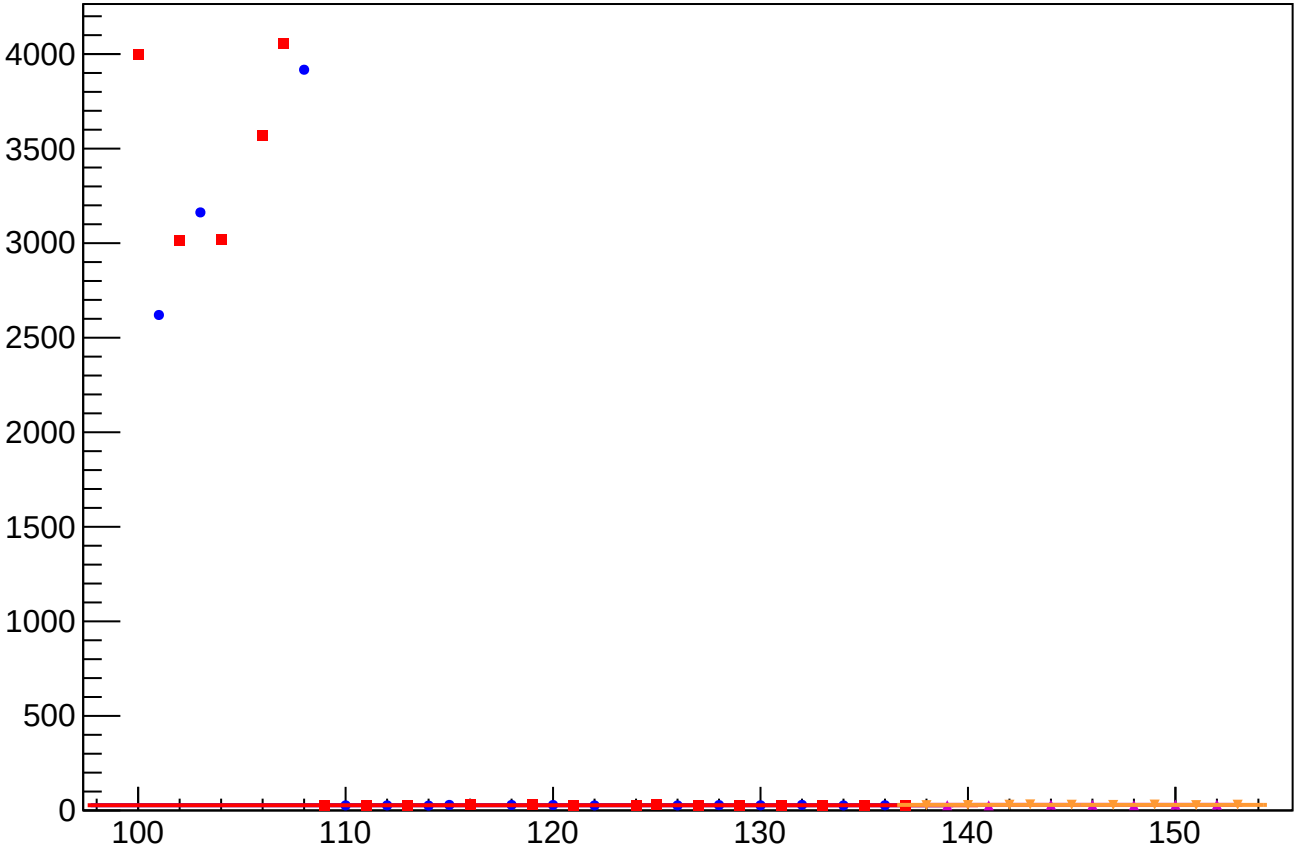
Right: 13.797+/-8.305 χ^2/NDF: 41.0/34

In: 14.308+/-8.363 χ^2/NDF:18.3/22

Out: 6.139+/-8.105 χ^2/NDF:38.2/27

All: 10.096+/-5.820 χ^2/NDF: 57.0/50

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: 29.430+/-0.008 χ^2/NDF:27442.8/8

Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 29.526+/-0.008 χ^2/NDF:39418.0/6

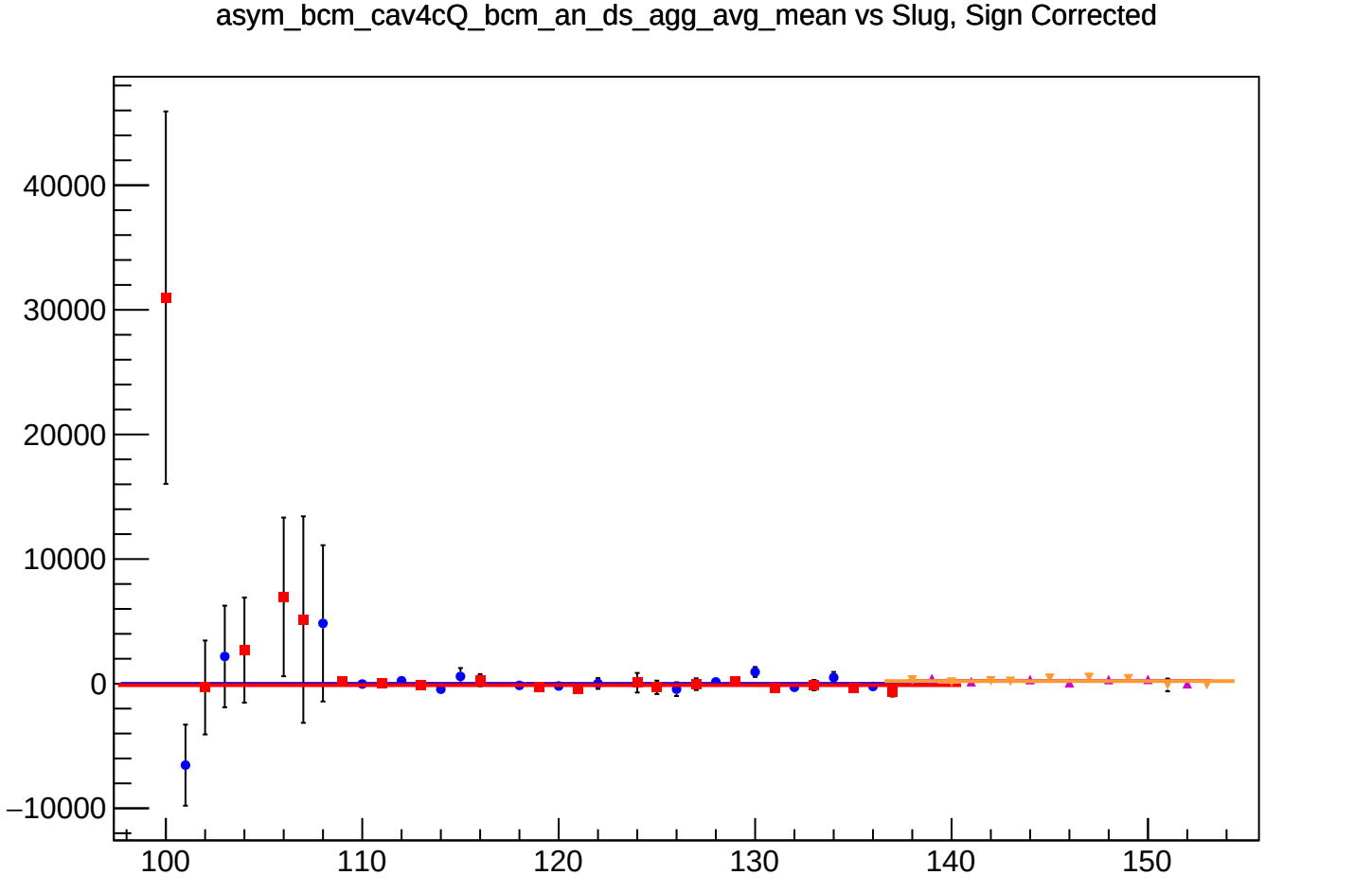
Left: 29.474+/-0.006 χ^2/NDF: 66929.3/15

Right: 27.589+/-0.006 χ^2/NDF: 6820810.9/34

In: 28.561+/-0.006 χ^2/NDF:3330275.9/22

Out: 28.537+/-0.006 χ^2/NDF:3609925.8/27

All: 28.548+/-0.004 χ^2/NDF: 6940210.2/50



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 208.270+/-96.260 χ^2/NDF:4.0/8

Right Out: -118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: 226.123+/-95.530 χ^2/NDF:2.6/6

Left: 217.264+/-67.806 χ^2/NDF: 6.7/15

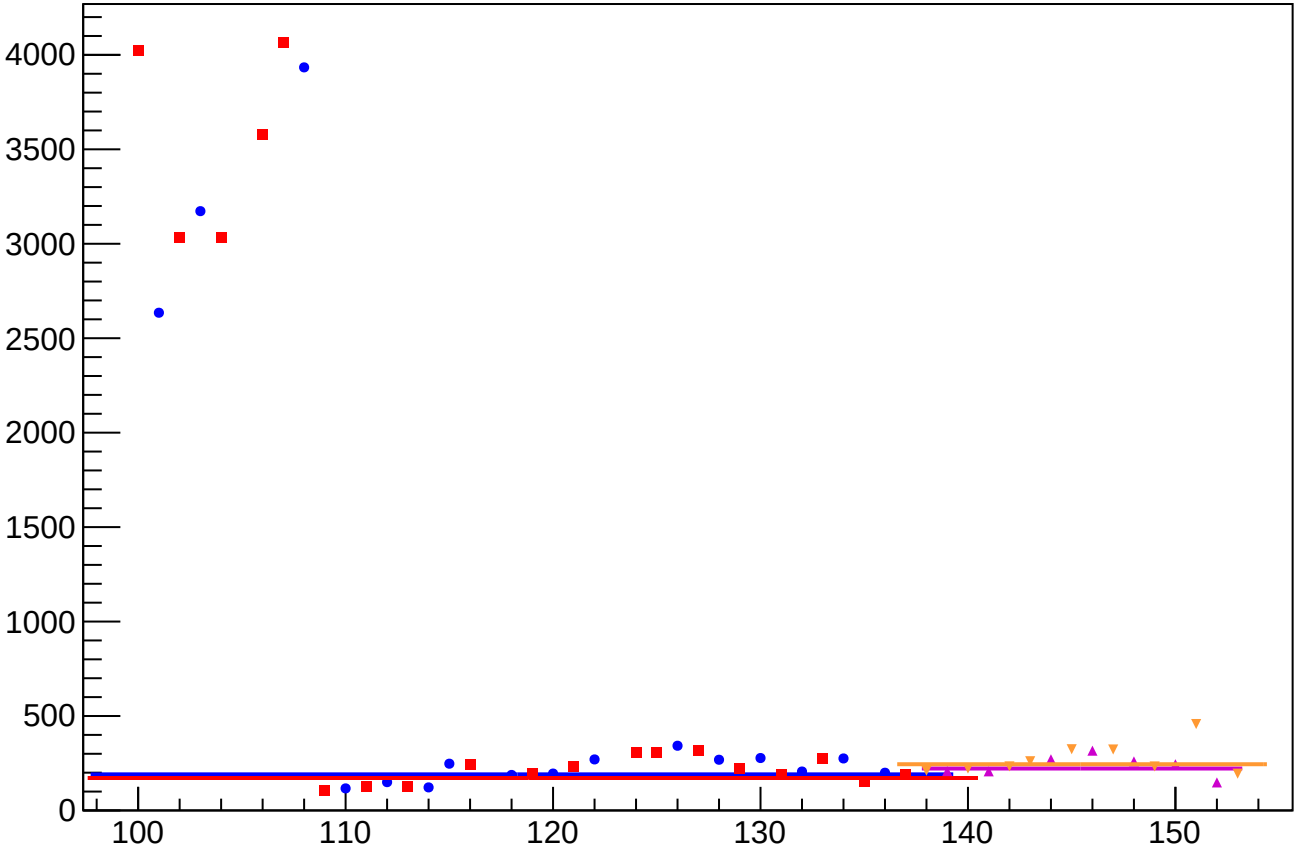
Right: -69.865+/-57.246 χ^2/NDF: 33.6/34

In: 91.812+/-63.273 χ^2/NDF:24.5/22

Out: 11.004+/-60.537 χ^2/NDF:25.4/27

All: 49.623+/-43.742 χ^2/NDF: 50.7/50

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: 244.697+/-0.068 χ^2/NDF:711160.2/8

Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 221.971+/-0.068 χ^2/NDF:524890.2/6

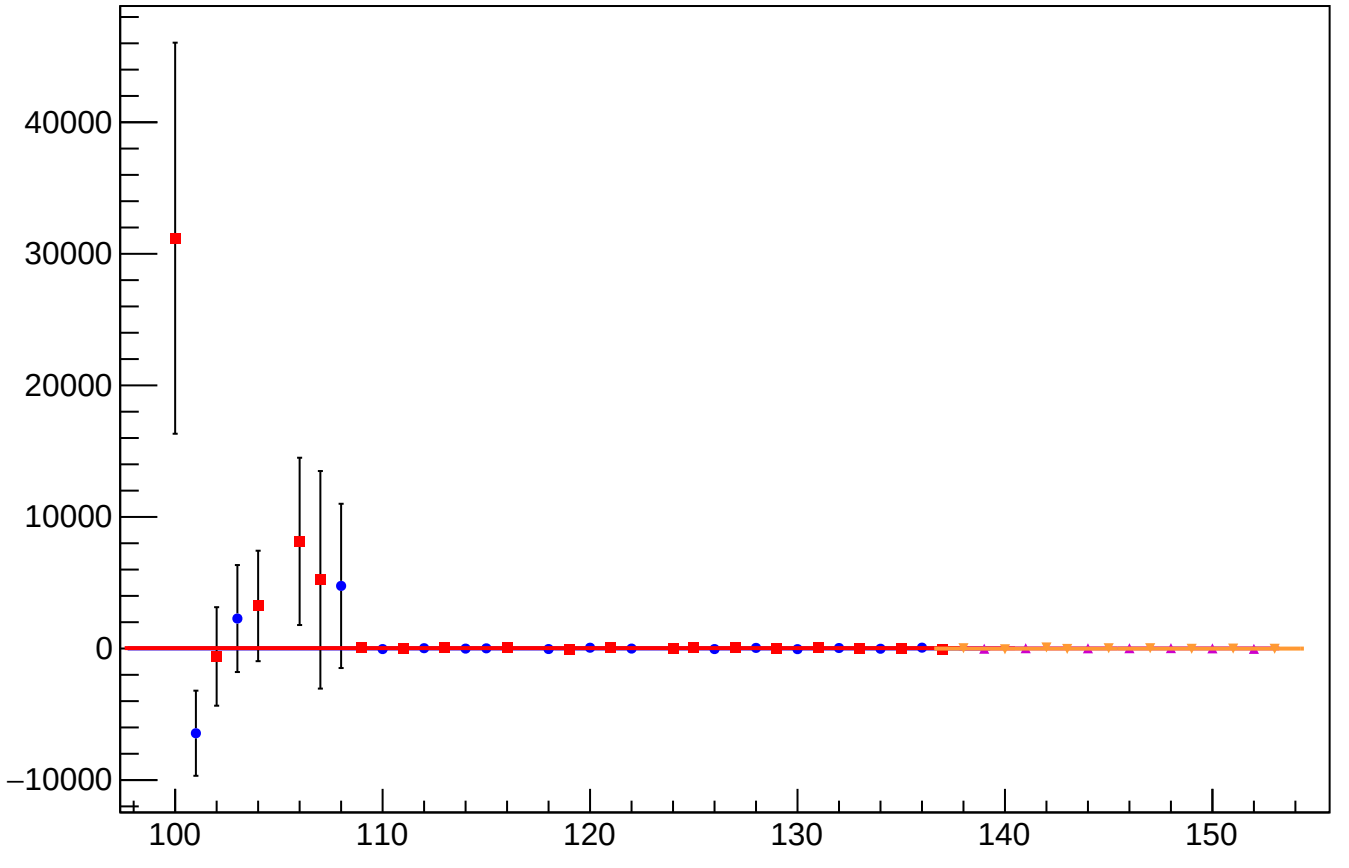
Left: 233.247+/-0.048 χ^2/NDF: 1292212.2/15

Right: 180.673+/-0.040 χ^2/NDF: 8204752.1/34

In: 204.626+/-0.045 χ^2/NDF:4476303.4/22

Out: 200.652+/-0.043 χ^2/NDF:5718552.1/27

All: 202.551+/-0.031 χ^2/NDF: 10198973.5/50



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -5.300+/-11.224 χ^2/NDF:9.3/8

Right Out: 30.962+/-11.902 χ^2/NDF: 19.9/18

Left In: 10.524+/-12.034 χ^2/NDF:2.7/6

Left: 2.061+/-8.208 χ^2/NDF: 12.9/15

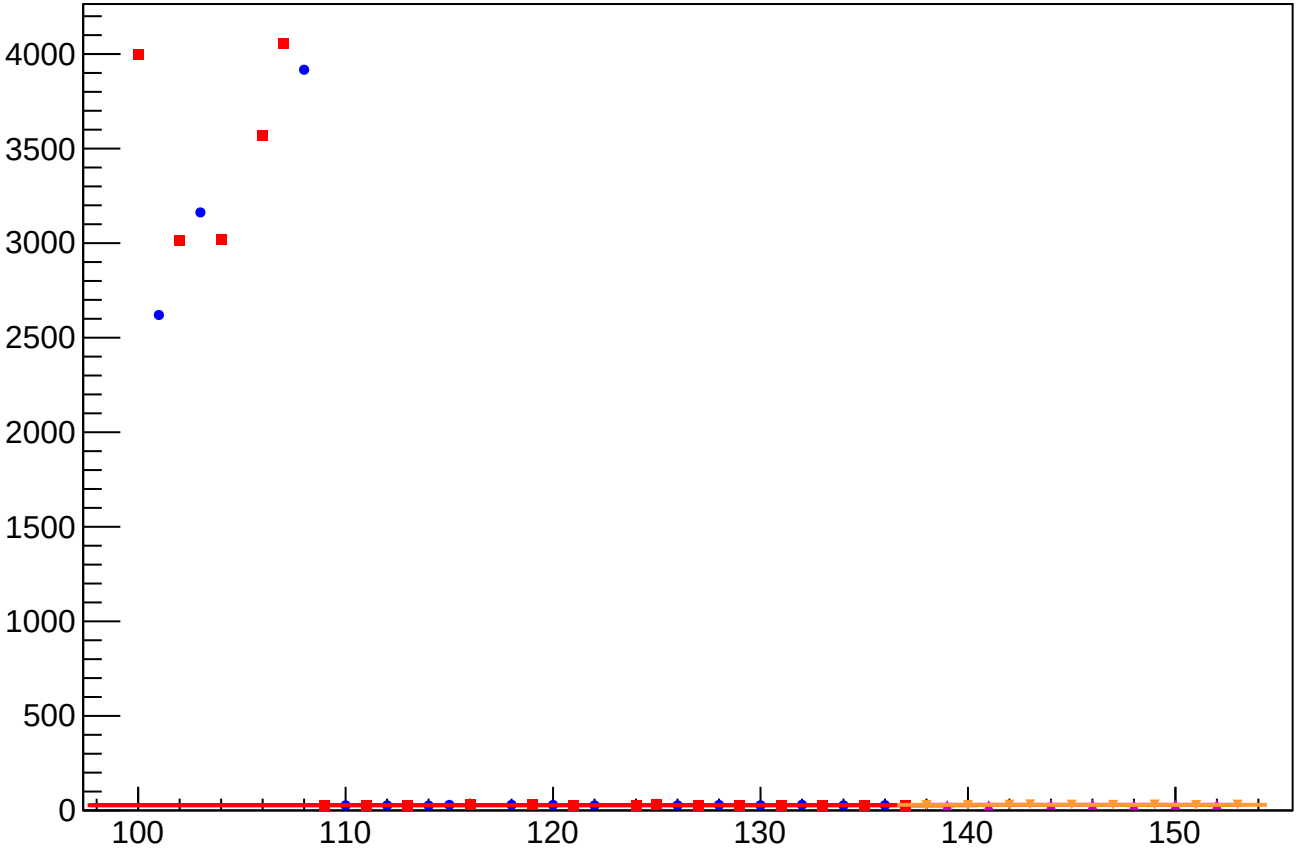
Right: 18.584+/-8.367 χ^2/NDF: 40.3/34

In: 8.461+/-8.412 χ^2/NDF:21.1/22

Out: 11.769+/-8.165 χ^2/NDF:34.1/27

All: 10.164+/-5.859 χ^2/NDF: 55.2/50

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: 29.630+/-0.008 χ^2/NDF:29356.6/8

Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 29.679+/-0.009 χ^2/NDF:40158.3/6

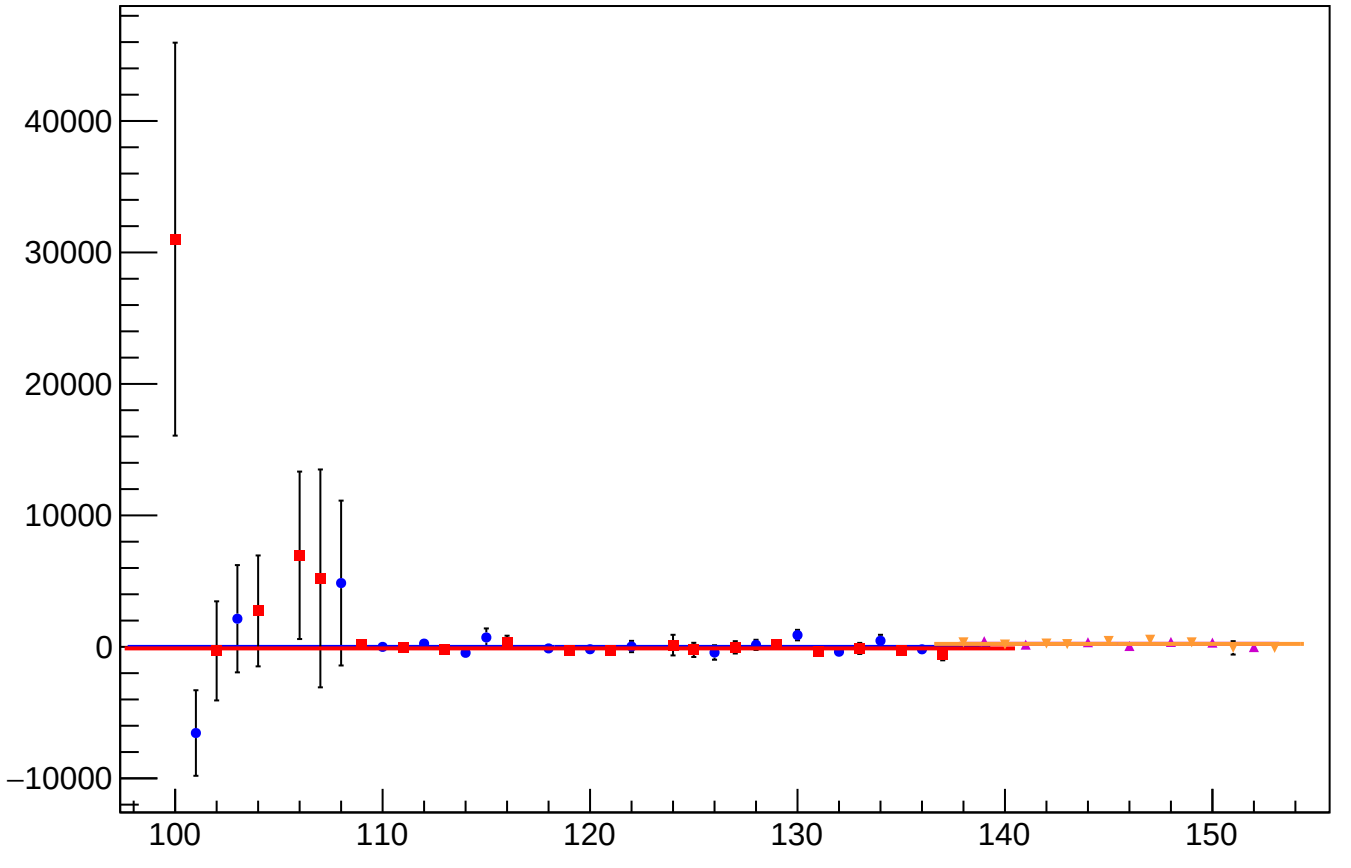
Left: 29.653+/-0.006 χ^2/NDF: 69532.0/15

Right: 27.790+/-0.006 χ^2/NDF: 6824608.5/34

In: 28.731+/-0.006 χ^2/NDF:3330322.4/22

Out: 28.747+/-0.006 χ^2/NDF:3614360.3/27

All: 28.739+/-0.004 χ^2/NDF: 6944686.5/50



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 225.355+/-97.347 χ^2/NDF:3.7/8

Right Out: -115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: 232.644+/-96.541 χ^2/NDF:3.0/6

Left: 229.030+/-68.548 χ^2/NDF: 6.7/15

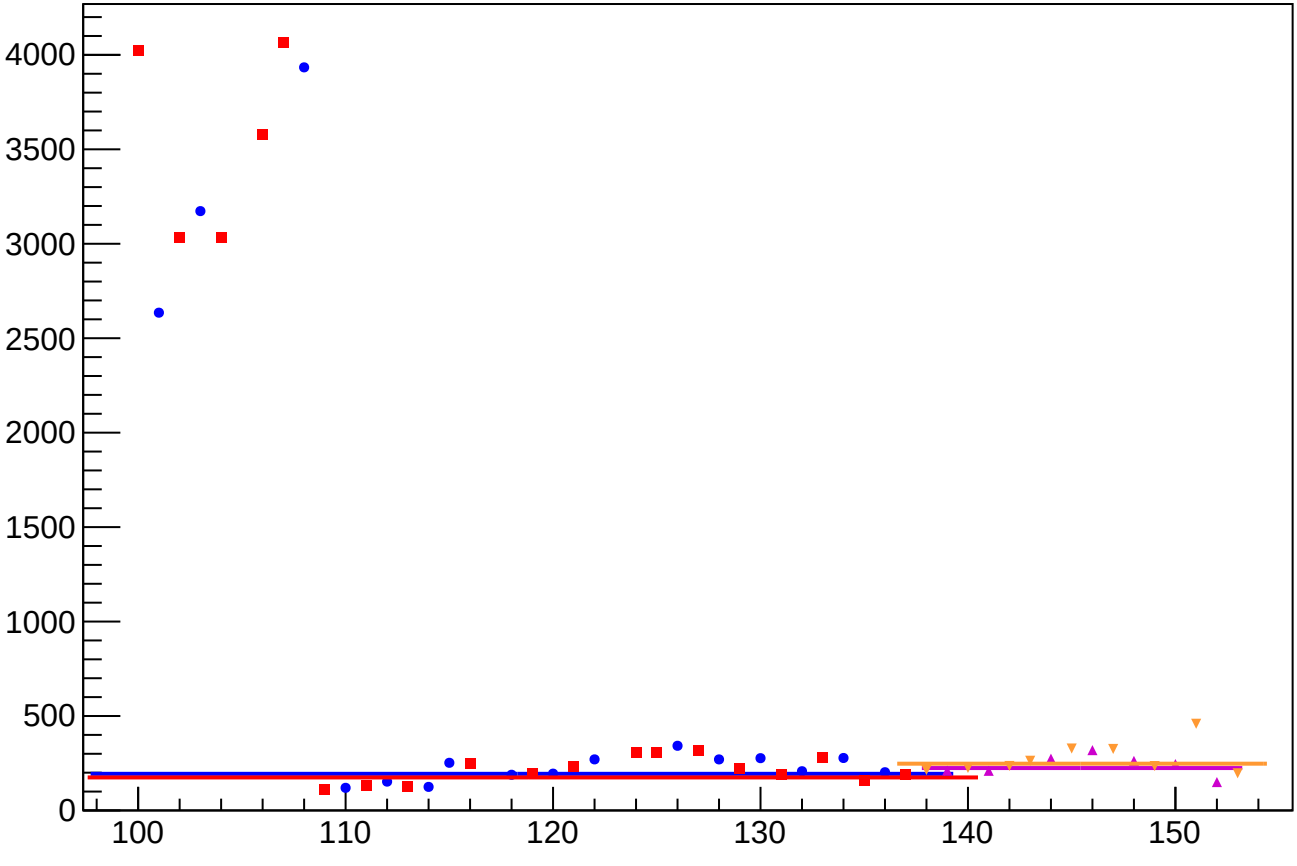
Right: -63.770+/-58.007 χ^2/NDF: 33.0/34

In: 100.708+/-64.010 χ^2/NDF:24.5/22

Out: 19.594+/-61.320 χ^2/NDF:24.9/27

All: 58.410+/-44.280 χ^2/NDF: 50.3/50

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: 247.608+/-0.069 χ^2/NDF:700625.2/8

Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 224.455+/-0.068 χ^2/NDF:519957.2/6

Left: 235.935+/-0.048 χ^2/NDF: 1277619.5/15

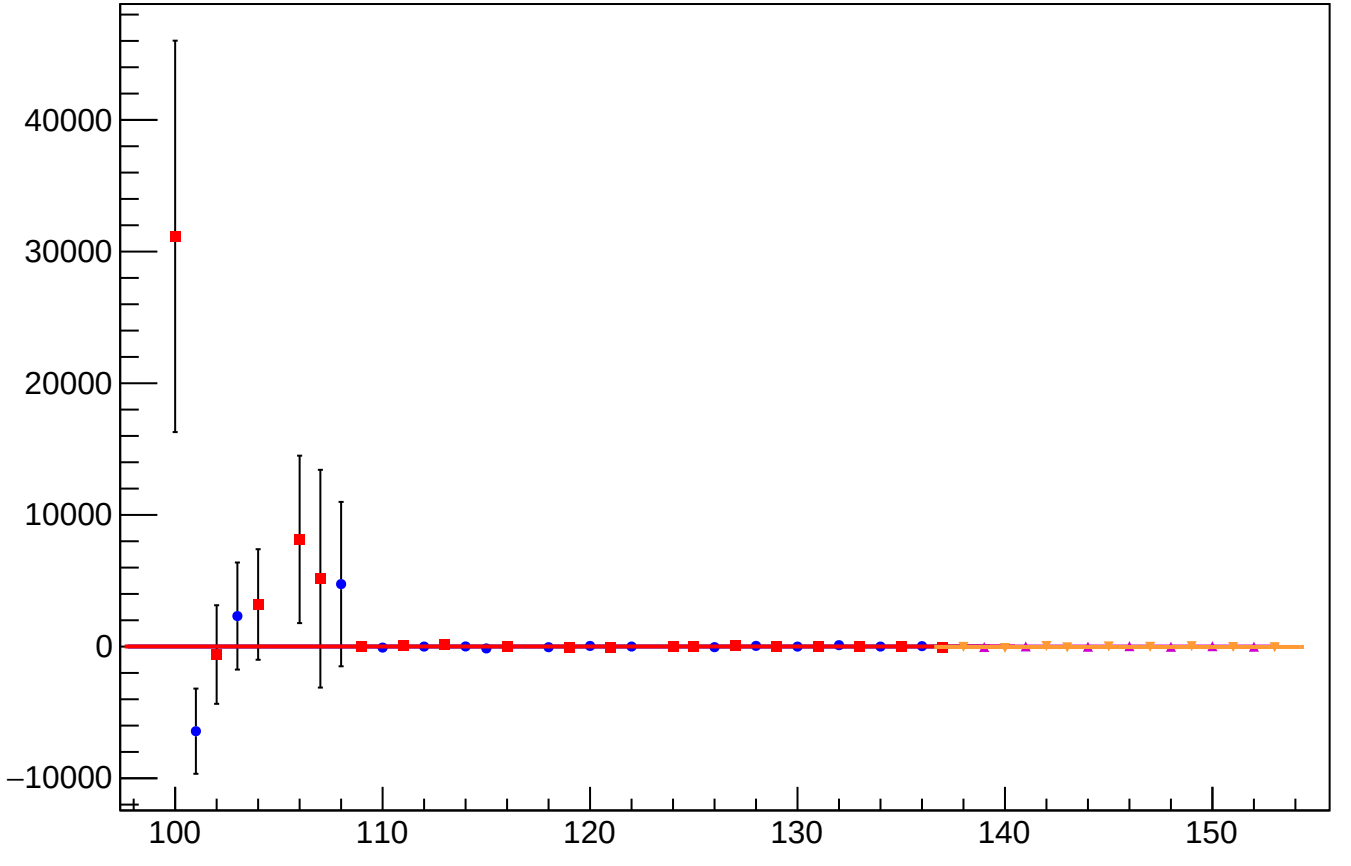
Right: 183.600+/-0.041 χ^2/NDF: 8098034.9/34

In: 207.358+/-0.045 χ^2/NDF:4416351.7/22

Out: 203.677+/-0.043 χ^2/NDF:5635185.7/27

All: 205.439+/-0.031 χ^2/NDF: 10054987.6/50

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: -27.825+/-13.209 χ^2/NDF:10.1/8

Right Out: 10.003+/-14.433 χ^2/NDF: 23.4/18

Left In: 3.772+/-14.200 χ^2/NDF:2.5/6

Left: -13.167+/-9.672 χ^2/NDF: 15.2/15

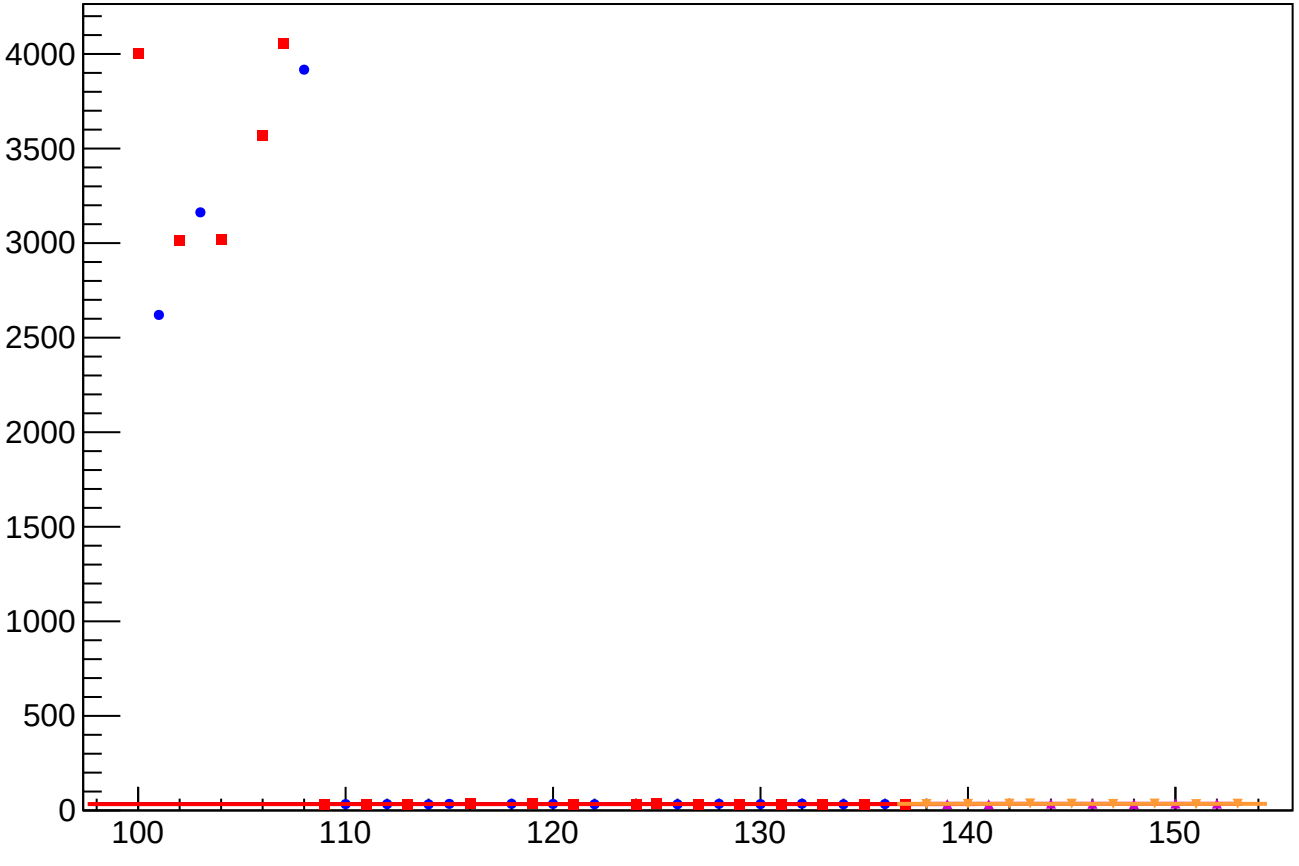
Right: 7.813+/-10.160 χ^2/NDF: 40.9/34

In: 4.709+/-10.078 χ^2/NDF:19.9/22

Out: -10.582+/-9.744 χ^2/NDF:37.2/27

All: -3.194+/-7.005 χ^2/NDF: 58.3/50

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: 34.935+/-0.009 χ^2/NDF:13341.7/8

Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 35.103+/-0.010 χ^2/NDF:14221.4/6

Left: 35.013+/-0.007 χ^2/NDF: 27713.1/15

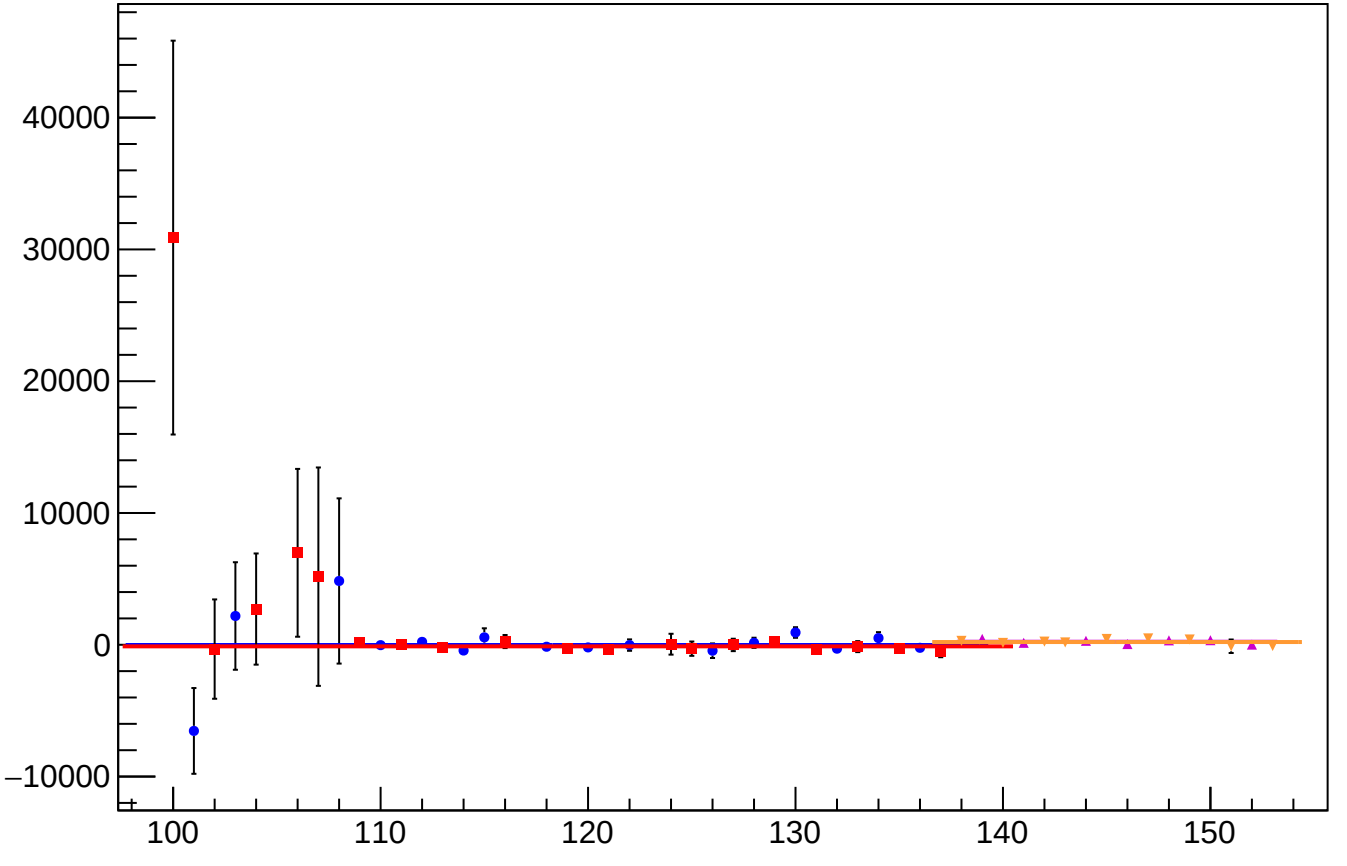
Right: 33.814+/-0.007 χ^2/NDF: 6770991.8/34

In: 34.506+/-0.007 χ^2/NDF:3265735.8/22

Out: 34.384+/-0.007 χ^2/NDF:3547443.8/27

All: 34.443+/-0.005 χ^2/NDF: 6813330.3/50

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 208.317+/-96.782 χ^2/NDF:4.0/8

Right Out: -119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: 229.828+/-96.071 χ^2/NDF:2.7/6

Left: 219.152+/-68.182 χ^2/NDF: 6.7/15

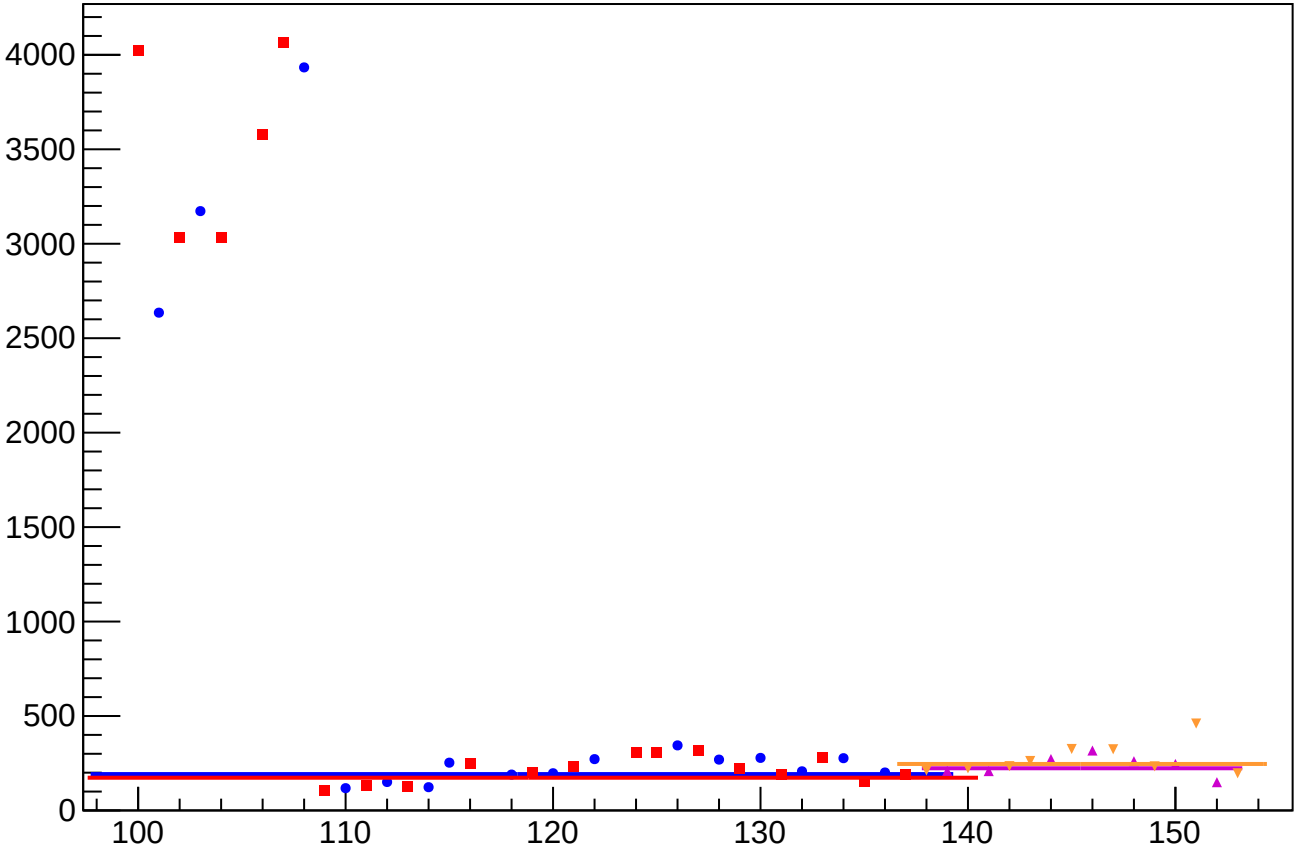
Right: -73.773+/-57.671 χ^2/NDF: 32.2/34

In: 90.056+/-63.686 χ^2/NDF:24.7/22

Out: 10.240+/-60.946 χ^2/NDF:24.2/27

All: 48.393+/-44.032 χ^2/NDF: 49.7/50

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: 246.092+/-0.068 χ^2/NDF:706073.3/8

Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 223.313+/-0.068 χ^2/NDF:518088.5/6

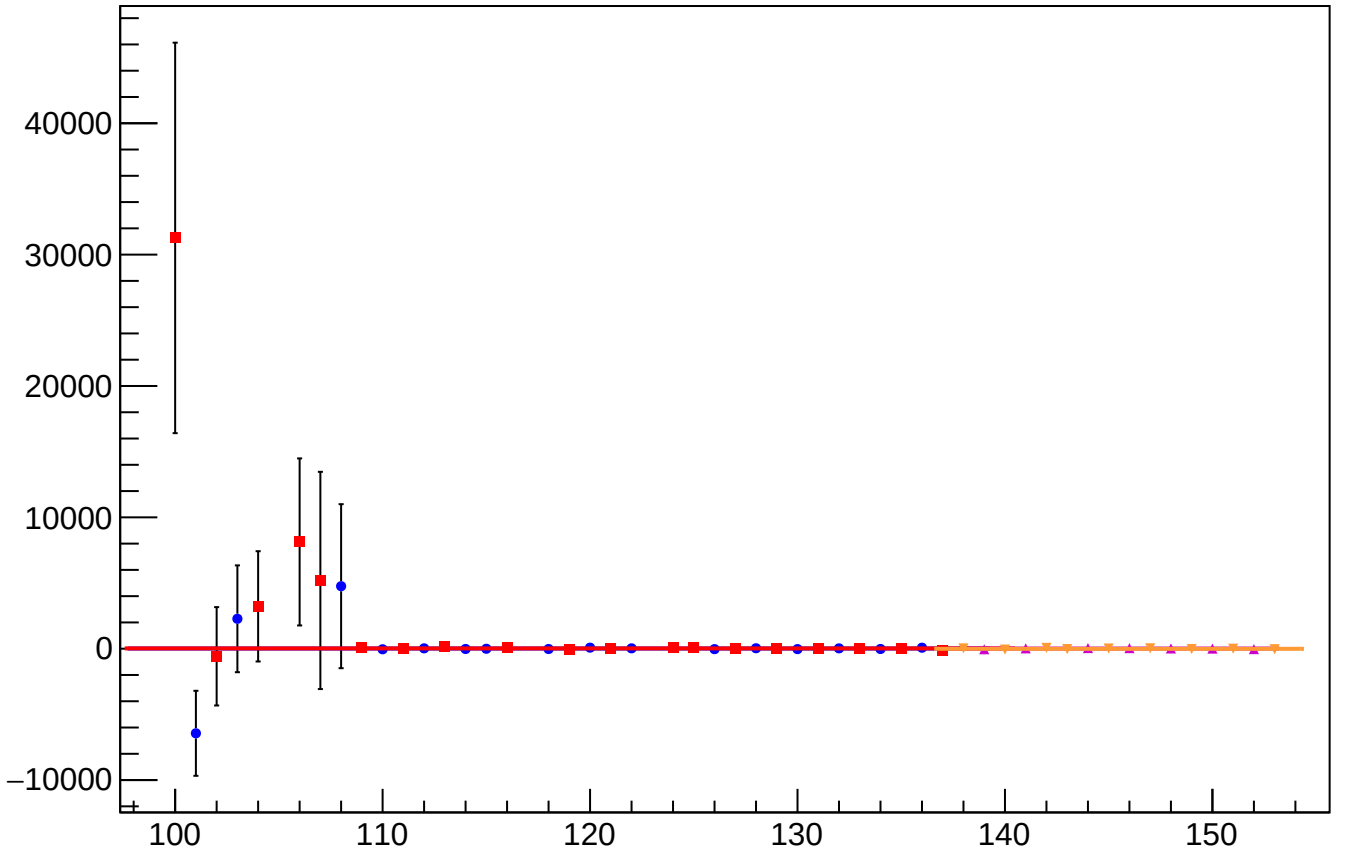
Left: 234.619+/-0.048 χ^2/NDF: 1279969.8/15

Right: 182.125+/-0.041 χ^2/NDF: 8185907.1/34

In: 206.074+/-0.045 χ^2/NDF:4455753.9/22

Out: 202.135+/-0.043 χ^2/NDF:5697193.2/27

All: 204.018+/-0.031 χ^2/NDF: 10156942.0/50



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -7.542+/-12.140 χ^2/NDF:8.8/8

Right Out: 23.230+/-13.181 χ^2/NDF: 28.7/18

Left In: 11.151+/-13.035 χ^2/NDF:5.8/6

Left: 1.141+/-8.884 χ^2/NDF: 15.7/15

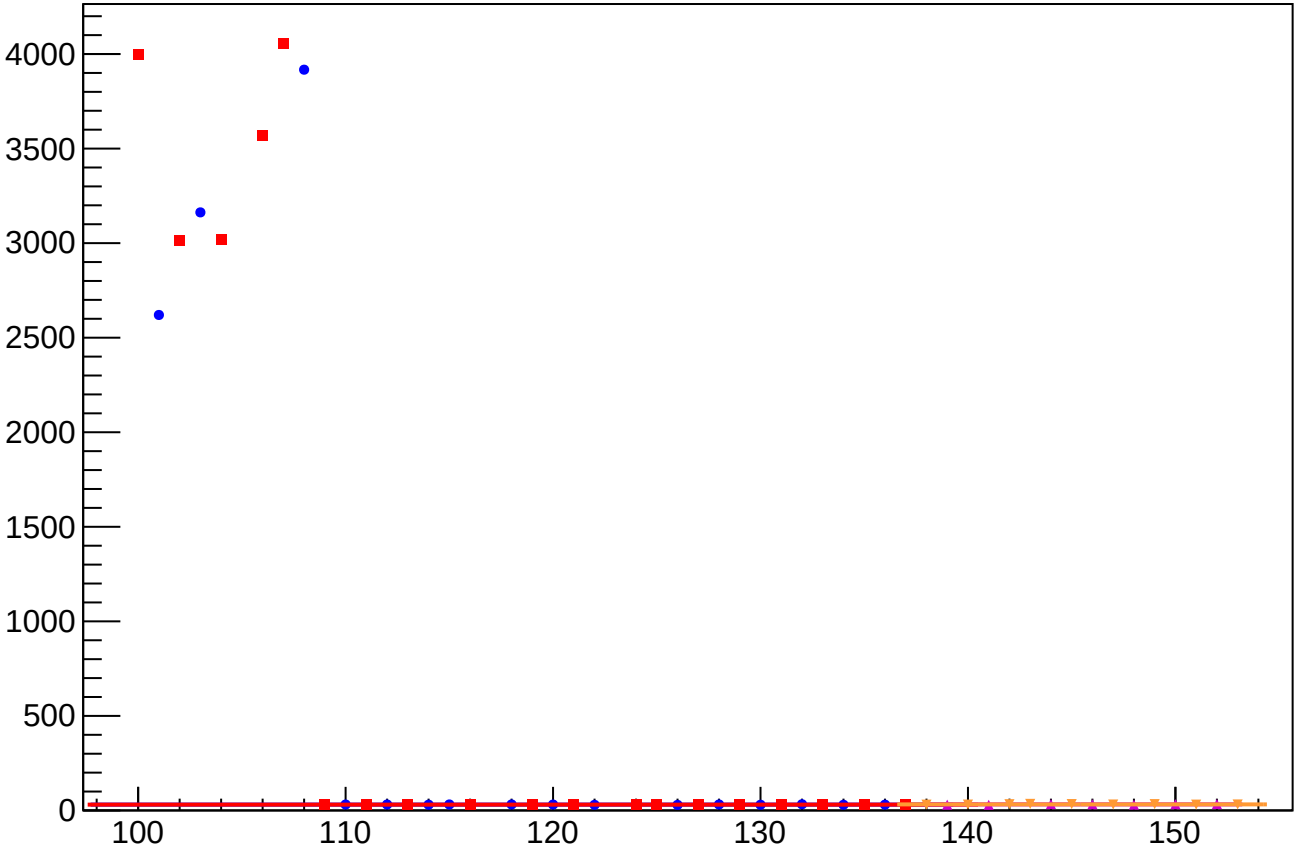
Right: 18.428+/-9.278 χ^2/NDF: 44.4/34

In: 12.429+/-9.227 χ^2/NDF:21.3/22

Out: 6.581+/-8.929 χ^2/NDF:40.4/27

All: 9.409+/-6.417 χ^2/NDF: 62.0/50

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: 32.068+/-0.009 χ^2/NDF:25313.1/8

Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 32.158+/-0.009 χ^2/NDF:28224.9/6

Left: 32.110+/-0.006 χ^2/NDF: 53588.2/15

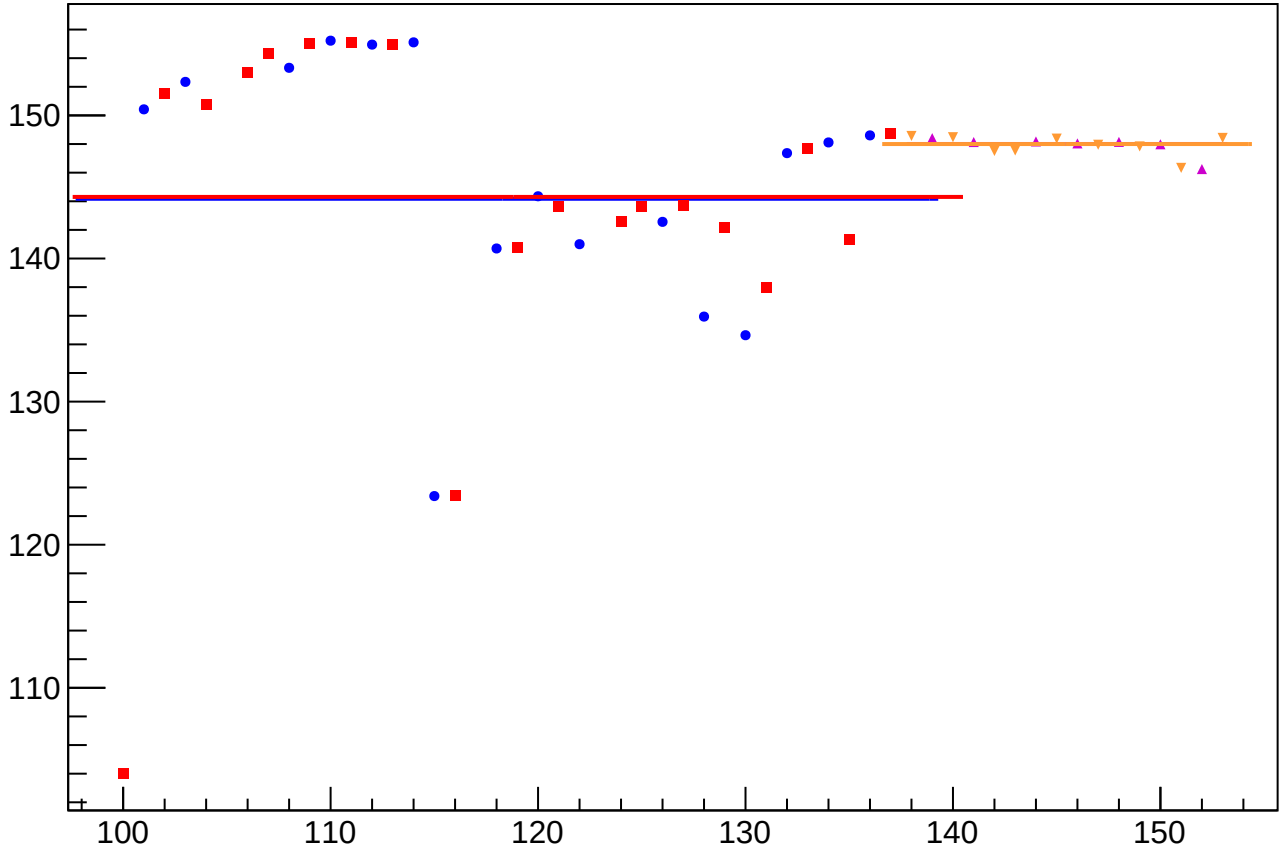
Right: 30.853+/-0.007 χ^2/NDF: 6788975.5/34

In: 31.544+/-0.007 χ^2/NDF:3289706.7/22

Out: 31.476+/-0.006 χ^2/NDF:3571933.8/27

All: 31.509+/-0.005 χ^2/NDF: 6861697.7/50

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 148.000+/-0.000 χ^2/NDF:19072466.7/8

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 148.004+/-0.000 χ^2/NDF:13738070.0/6

Left: 148.001+/-0.000 χ^2/NDF: 32810880.0/15

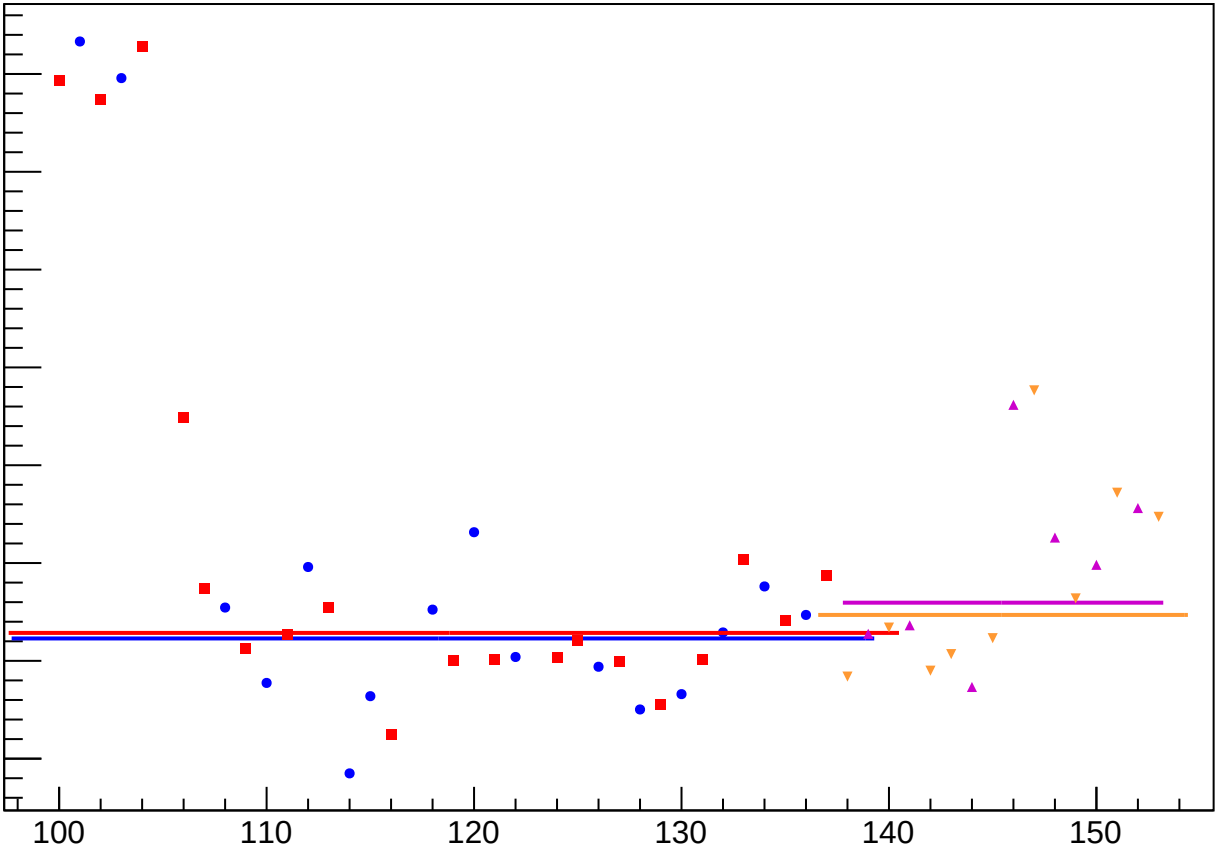
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 145.822+/-0.000 χ^2/NDF:4098033011.6/22

Out: 146.093+/-0.000 χ^2/NDF:4656862599.1/27

All: 145.964+/-0.000 χ^2/NDF: 8758745144.3

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.347+/-0.000 χ^2/NDF:579351.6/8

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.359+/-0.000 χ^2/NDF:540865.6/6

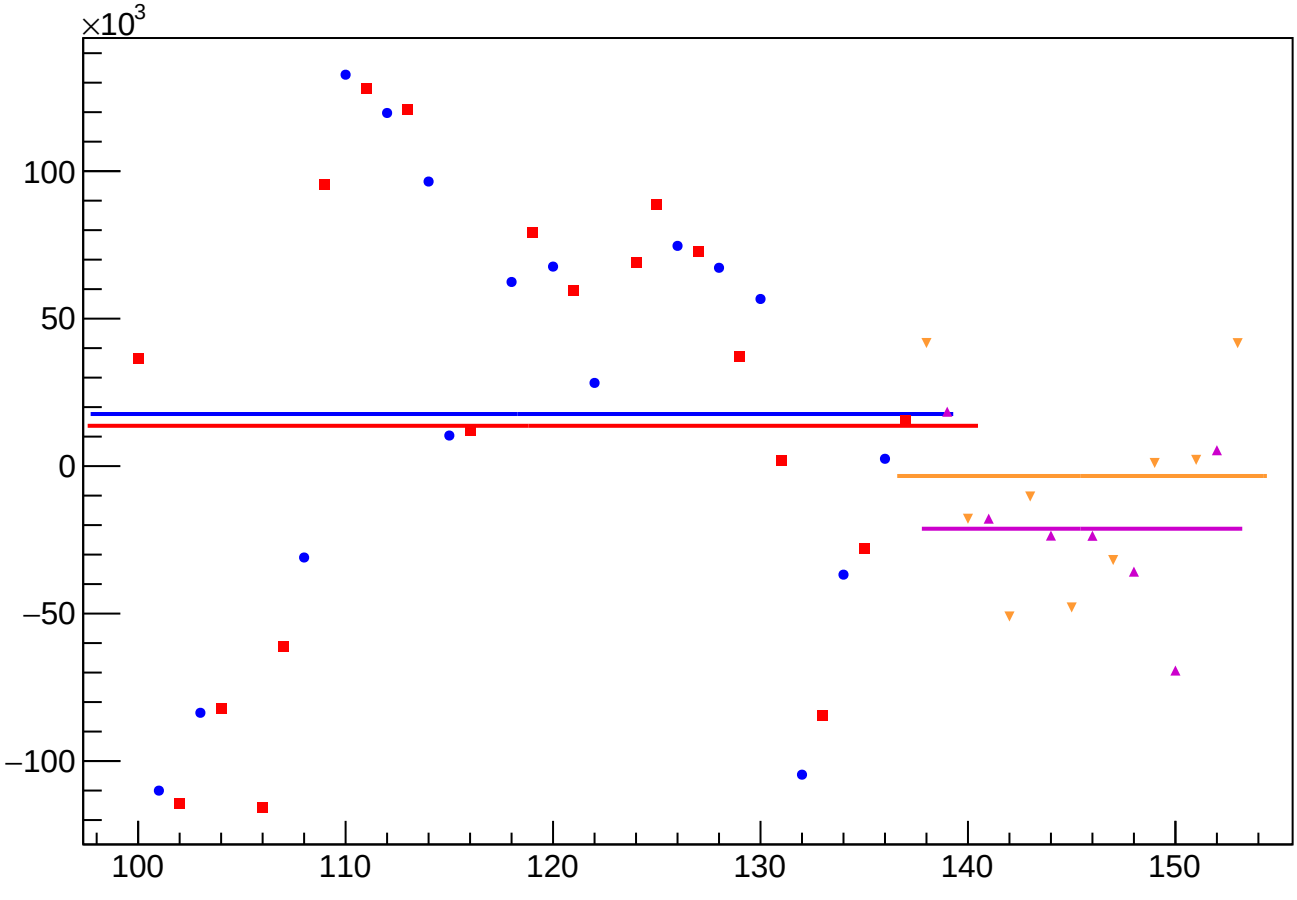
Left: 0.353+/-0.000 χ^2/NDF: 1127667.0/15

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.339+/-0.000 χ^2/NDF:2002589.8/22

Out: 0.337+/-0.000 χ^2/NDF:1901979.3/27

All: 0.338+/-0.000 χ^2/NDF: 3904708.5/50



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: -3349.877+/-1.903 χ^2/NDF:280295123.0/8

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

Left In: -21231.733+/-2.061 χ^2/NDF:183405452.7/6

Left: -11575.677+/-1.398 χ^2/NDF: 504335723.9/15

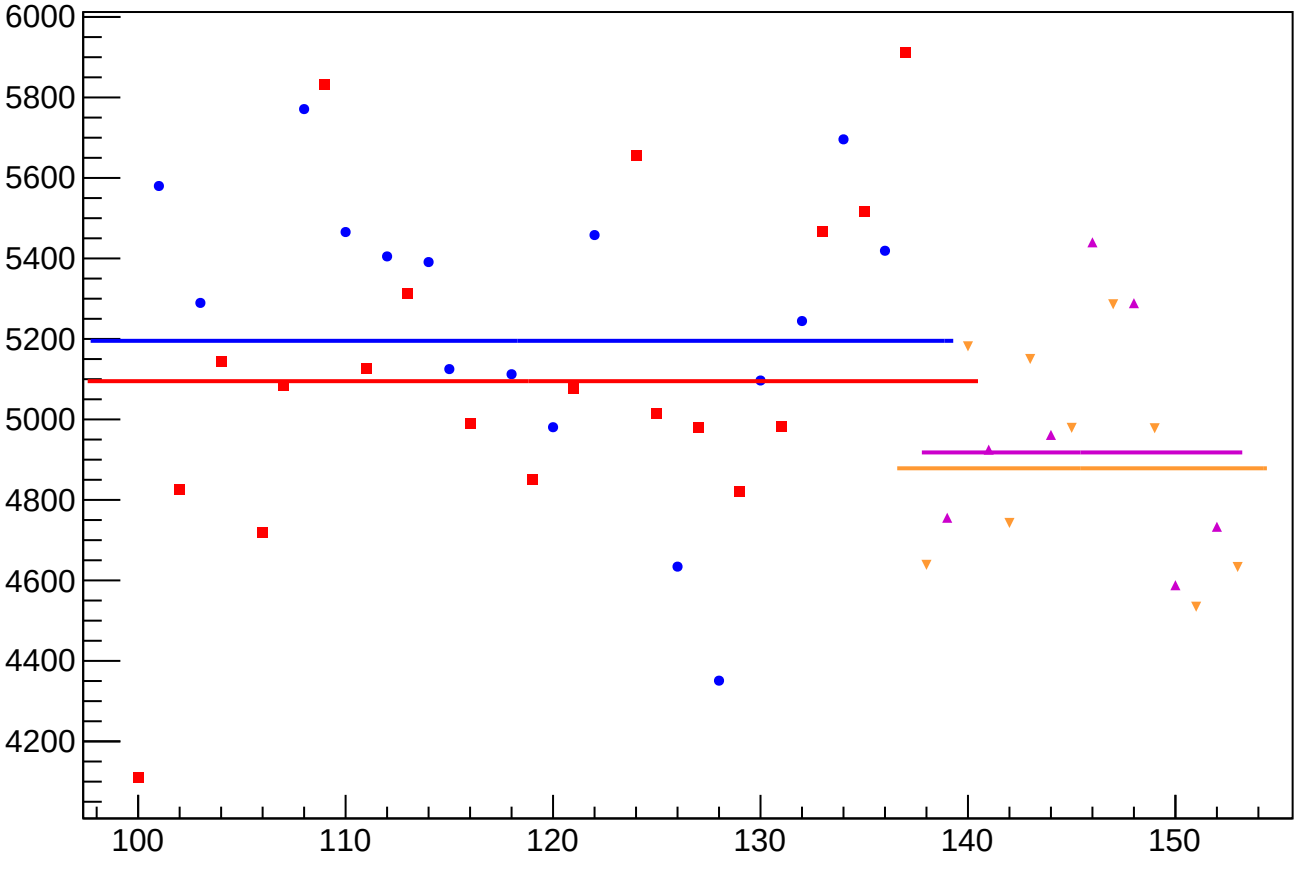
Right: 15583.102+/-1.389 χ^2/NDF: 3257769505.5/3

In: -1250.008+/-1.437 χ^2/NDF:1765047674.8/22

Out: 5058.947+/-1.353 χ^2/NDF:2176786340.6/27

All: 2094.877+/-0.985 χ^2/NDF: 3952046914.

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4878.536+/-1.345 χ^2/NDF:38311.6/8

Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4917.958+/-1.458 χ^2/NDF:35836.7/6

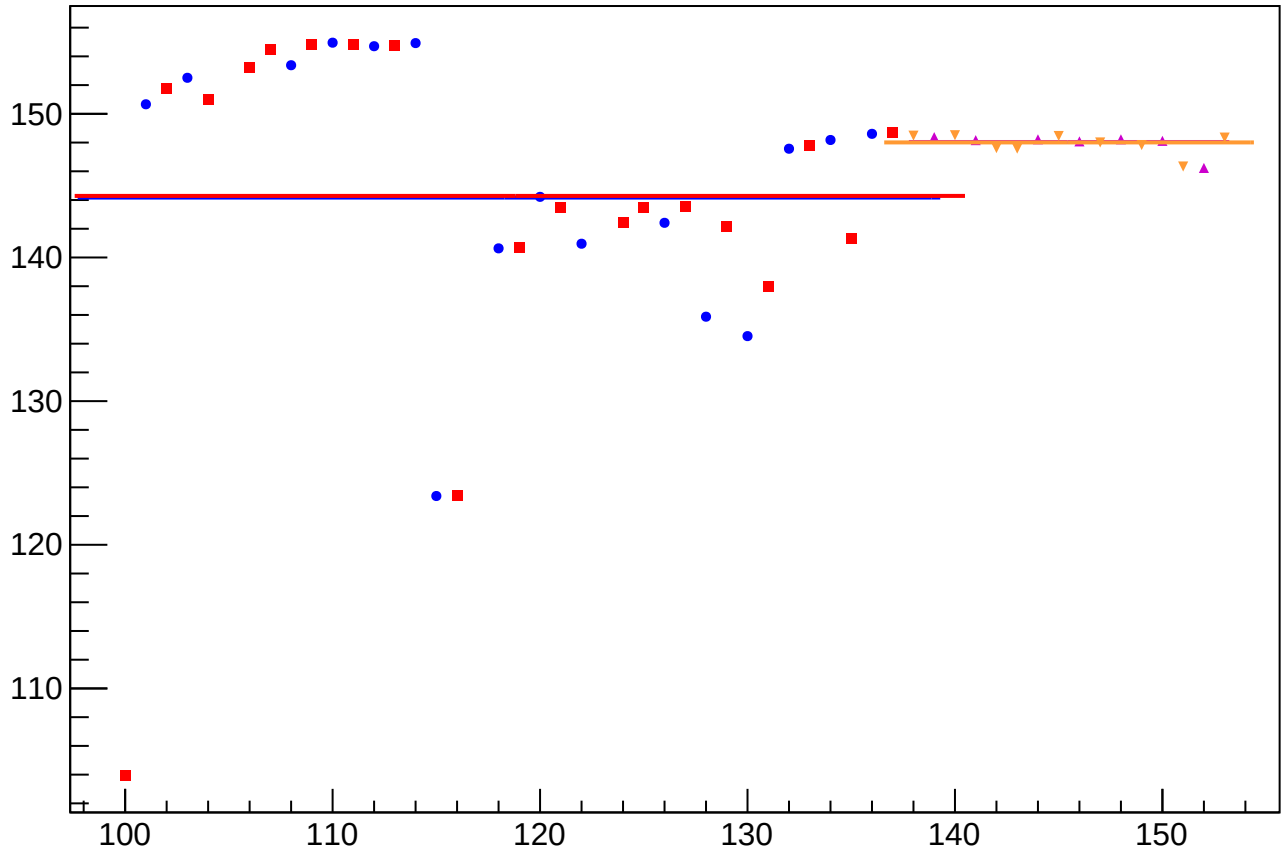
Left: 4896.670+/-0.989 χ^2/NDF: 74543.3/15

Right: 5143.118+/-0.982 χ^2/NDF: 138879.2/34

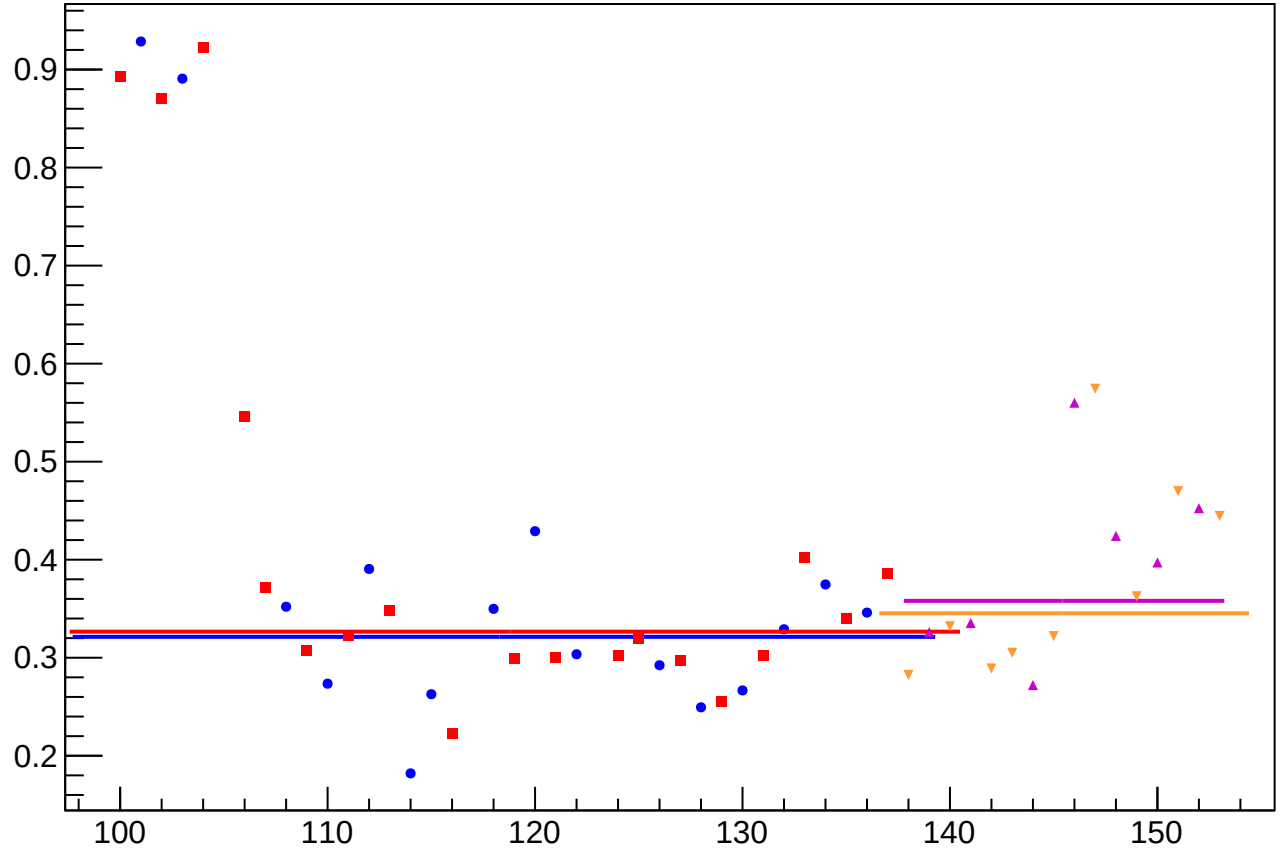
In: 5060.436+/-1.016 χ^2/NDF:131601.2/22

Out: 4985.528+/-0.957 χ^2/NDF:110222.7/27

All: 5020.721+/-0.697 χ^2/NDF: 244703.3/50


yield_bcm_an_ds_mean vs Slug, Sign Corrected
150
140
130
120
110
100
110
120
130
140
150
Right In: 144.172+/-0.000 χ²/NDF: 3764836520.0/15
Left Out: 148.010+/-0.000 χ²/NDF:18241868.2/8
Right Out: 144.286+/-0.000 χ²/NDF: 4290223847.7/18
Left In: 148.040+/-0.000 χ²/NDF:14417647.1/6
Left: 148.023+/-0.000 χ²/NDF: 32680774.9/15
Right: 144.229+/-0.000 χ²/NDF: 8055437753.5/34
In: 145.833+/-0.000 χ²/NDF:4149701833.5/22
Out: 146.087+/-0.000 χ²/NDF:4691509327.8/27
All: 145.966+/-0.000 χ²/NDF: 8844606610.0

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.345+/-0.000 χ^2/NDF:580143.2/8

Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.358+/-0.000 χ^2/NDF:539974.9/6

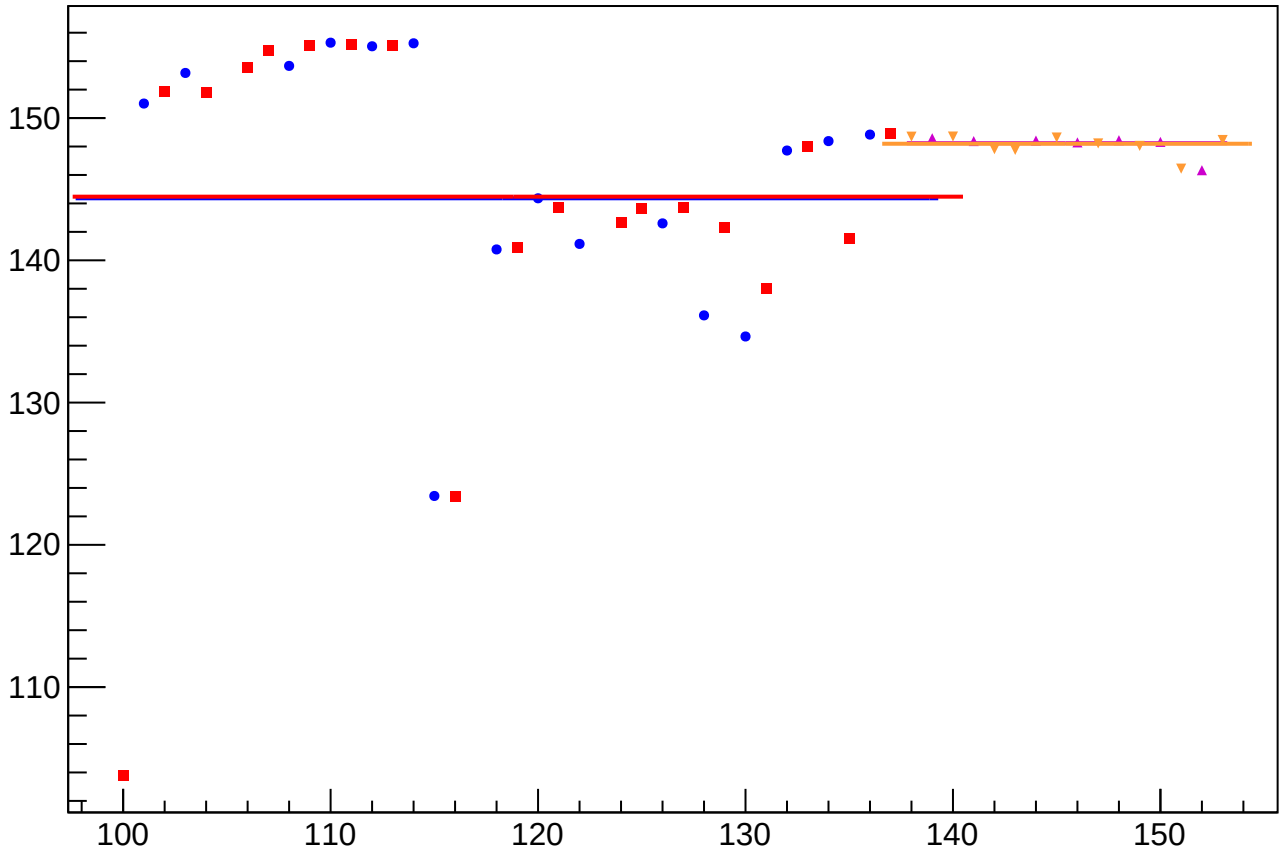
Left: 0.351+/-0.000 χ^2/NDF: 1127839.9/15

Right: 0.324+/-0.000 χ^2/NDF: 2700575.6/34

In: 0.337+/-0.000 χ^2/NDF:2003027.4/22

Out: 0.336+/-0.000 χ^2/NDF:1902336.1/27

All: 0.336+/-0.000 χ^2/NDF: 3905580.9/50



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.194+/-0.000 χ^2/NDF:18849583.4/8

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

Left In: 148.236+/-0.000 χ^2/NDF:15738719.0/6

Left: 148.213+/-0.000 χ^2/NDF: 34628562.3/15

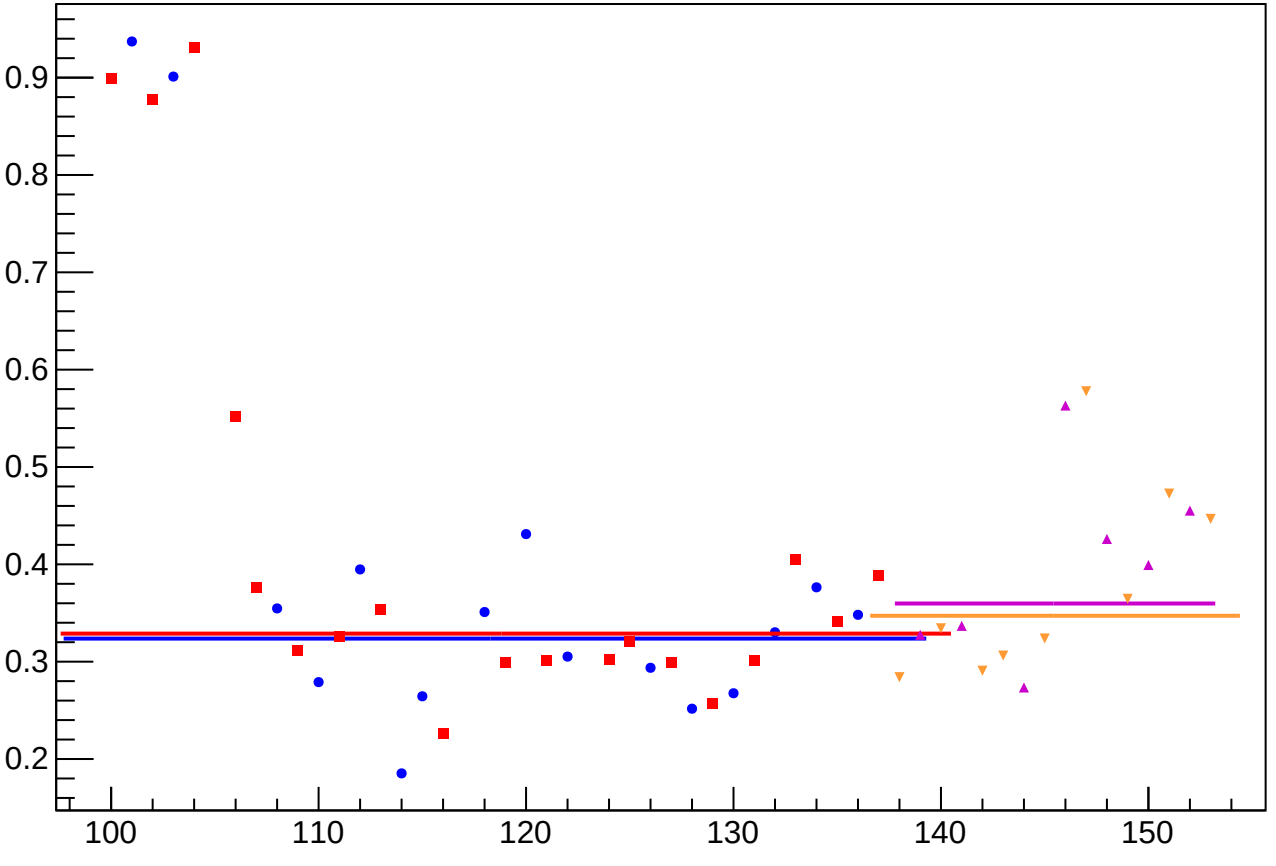
Right: 144.417+/-0.000 χ^2/NDF: 8040967165.8/34

In: 146.029+/-0.000 χ^2/NDF:4141716041.0/22

Out: 146.276+/-0.000 χ^2/NDF:4678489148.8/27

All: 146.158+/-0.000 χ^2/NDF: 8823369583.3

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.347+/-0.000 χ^2/NDF:580400.9/8

Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.360+/-0.000 χ^2/NDF:540666.3/6

Left: 0.353+/-0.000 χ^2/NDF: 1128565.0/15

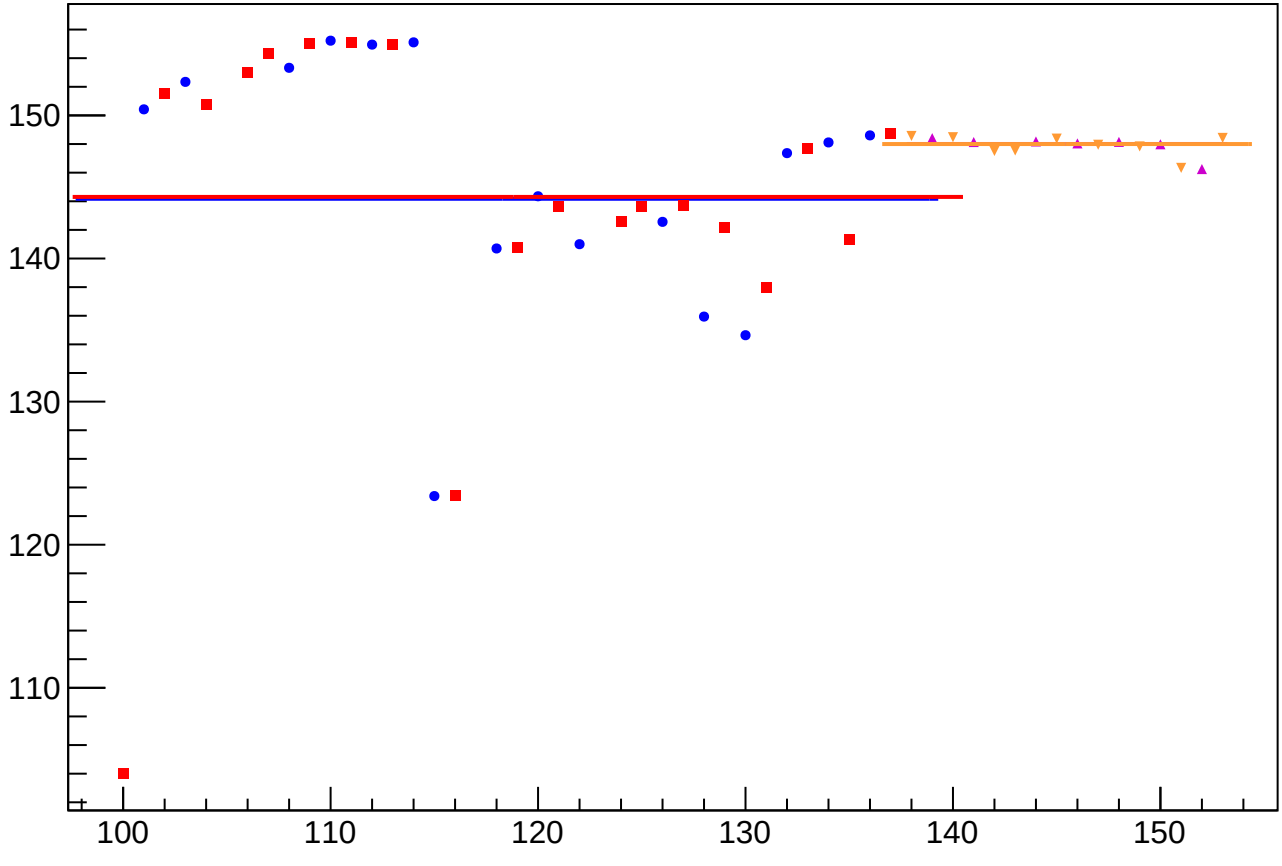
Right: 0.326+/-0.000 χ^2/NDF: 2697075.5/34

In: 0.339+/-0.000 χ^2/NDF:1996610.1/22

Out: 0.338+/-0.000 χ^2/NDF:1902029.4/27

All: 0.338+/-0.000 χ^2/NDF: 3898881.8/50

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 148.000+/-0.000 χ^2/NDF:19072466.7/8

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 148.004+/-0.000 χ^2/NDF:13738070.0/6

Left: 148.001+/-0.000 χ^2/NDF: 32810880.0/15

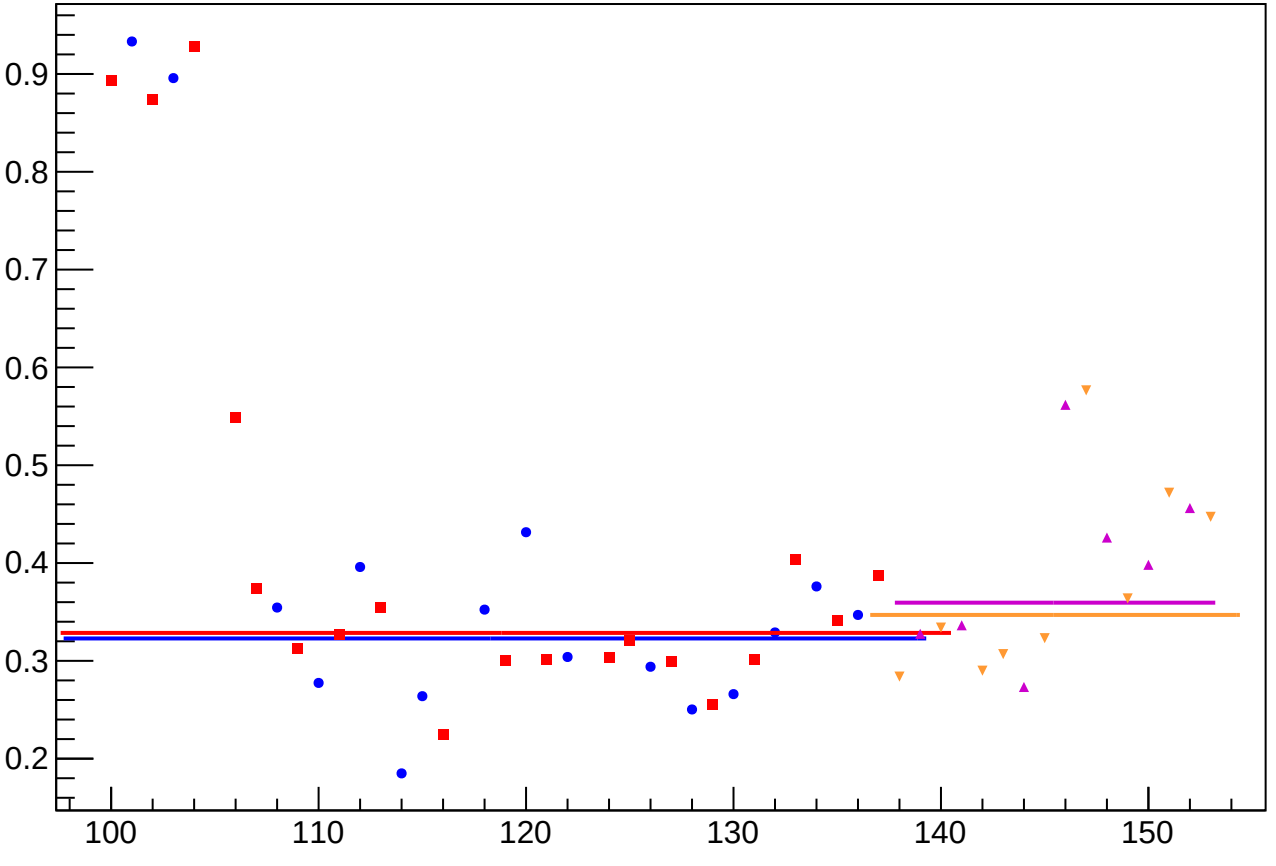
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 145.822+/-0.000 χ^2/NDF:4098033011.6/22

Out: 146.093+/-0.000 χ^2/NDF:4656862599.1/27

All: 145.964+/-0.000 χ^2/NDF: 8758745144.3

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.347+/-0.000 χ^2/NDF:579351.6/8

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.359+/-0.000 χ^2/NDF:540865.6/6

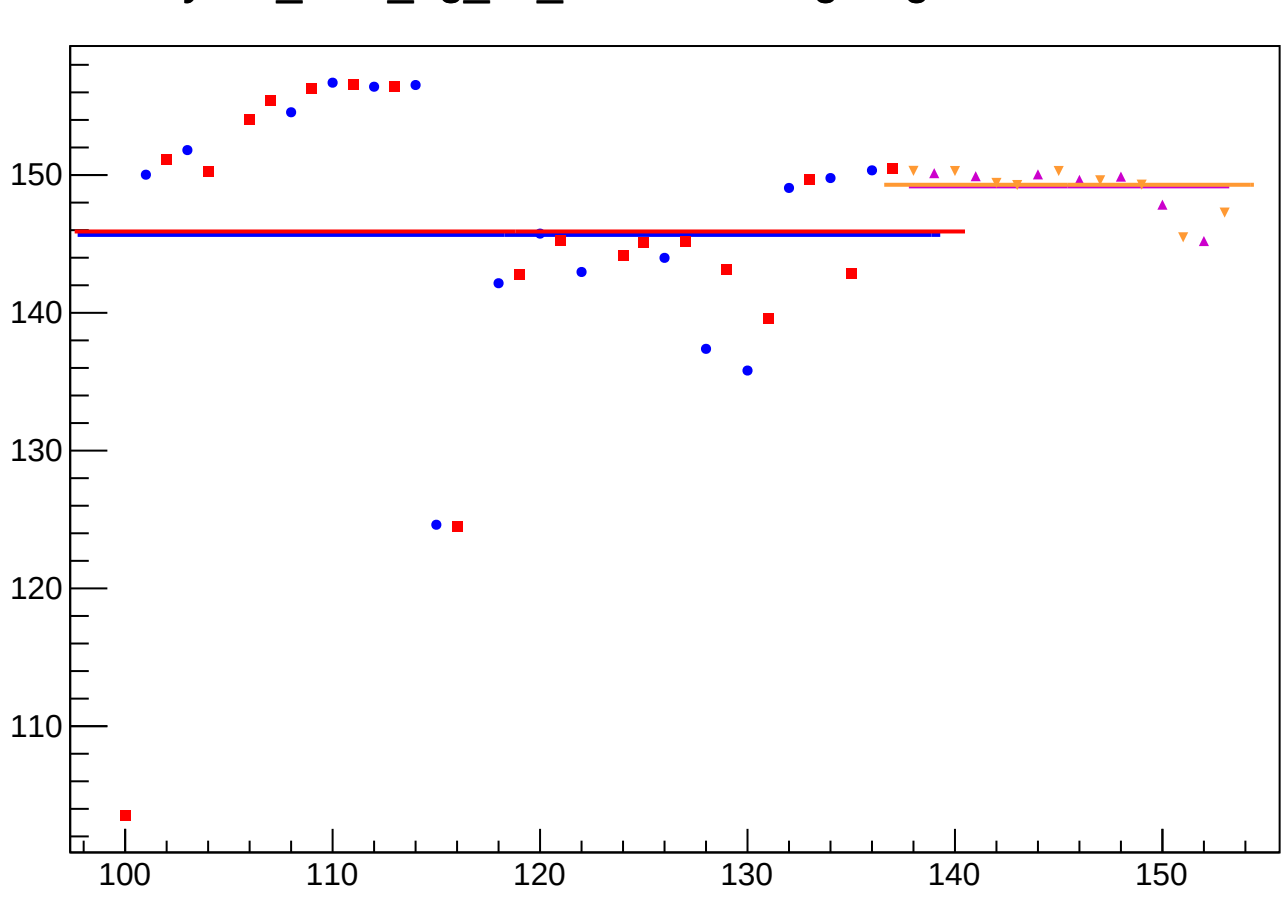
Left: 0.353+/-0.000 χ^2/NDF: 1127667.0/15

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.339+/-0.000 χ^2/NDF:2002589.8/22

Out: 0.337+/-0.000 χ^2/NDF:1901979.3/27

All: 0.338+/-0.000 χ^2/NDF: 3904708.5/50



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 149.294+/-0.000 χ^2/NDF:87905836.9/8

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

Left In: 149.178+/-0.000 χ^2/NDF:91928690.5/6

Left: 149.242+/-0.000 χ^2/NDF: 180123066.1/15

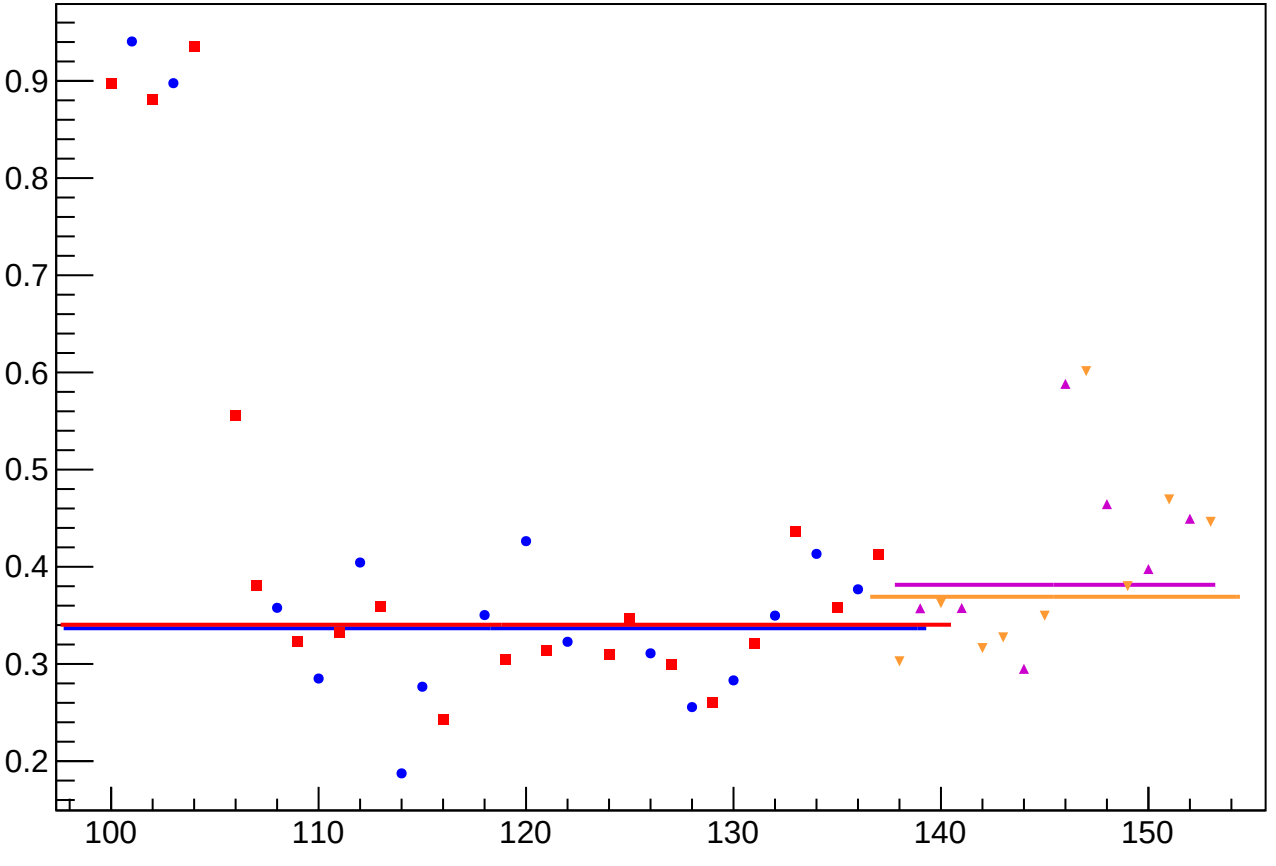
Right: 145.781+/-0.000 χ^2/NDF: 7346117767.9/34

In: 147.147+/-0.000 χ^2/NDF:3848564731.9/22

Out: 147.502+/-0.000 χ^2/NDF:4235722867.3/27

All: 147.333+/-0.000 χ^2/NDF: 8090287960.8

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.369+/-0.000 χ^2/NDF:472329.7/8

Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.381+/-0.000 χ^2/NDF:459748.4/6

Left: 0.375+/-0.000 χ^2/NDF: 938499.2/15

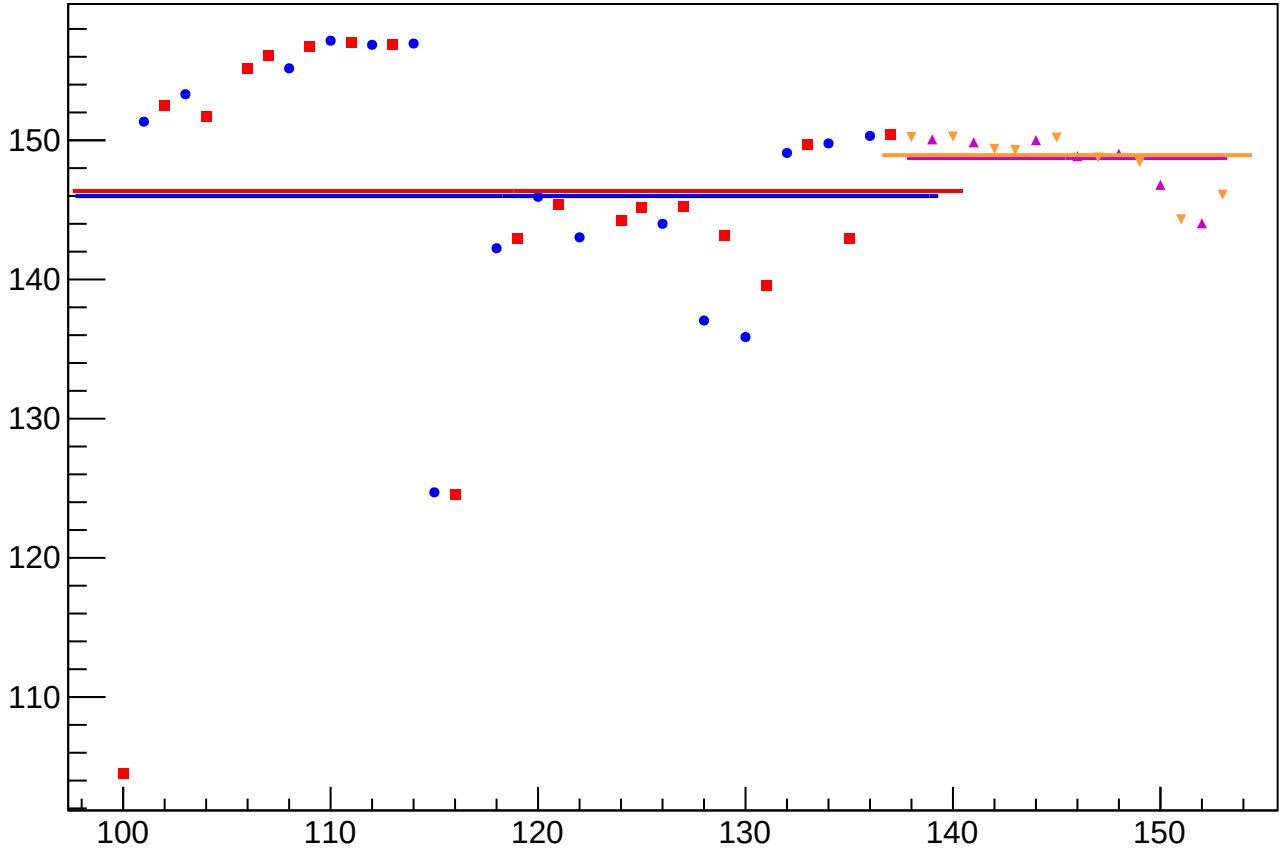
Right: 0.339+/-0.000 χ^2/NDF: 2645924.6/34

In: 0.356+/-0.000 χ^2/NDF:1919024.6/22

Out: 0.354+/-0.000 χ^2/NDF:1788025.2/27

All: 0.355+/-0.000 χ^2/NDF: 3707335.6/50

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 148.932+/-0.000 χ^2/NDF:144429184.0/8

Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

Left In: 148.729+/-0.000 χ^2/NDF:143916072.6/6

Left: 148.841+/-0.000 χ^2/NDF: 289217421.8/15

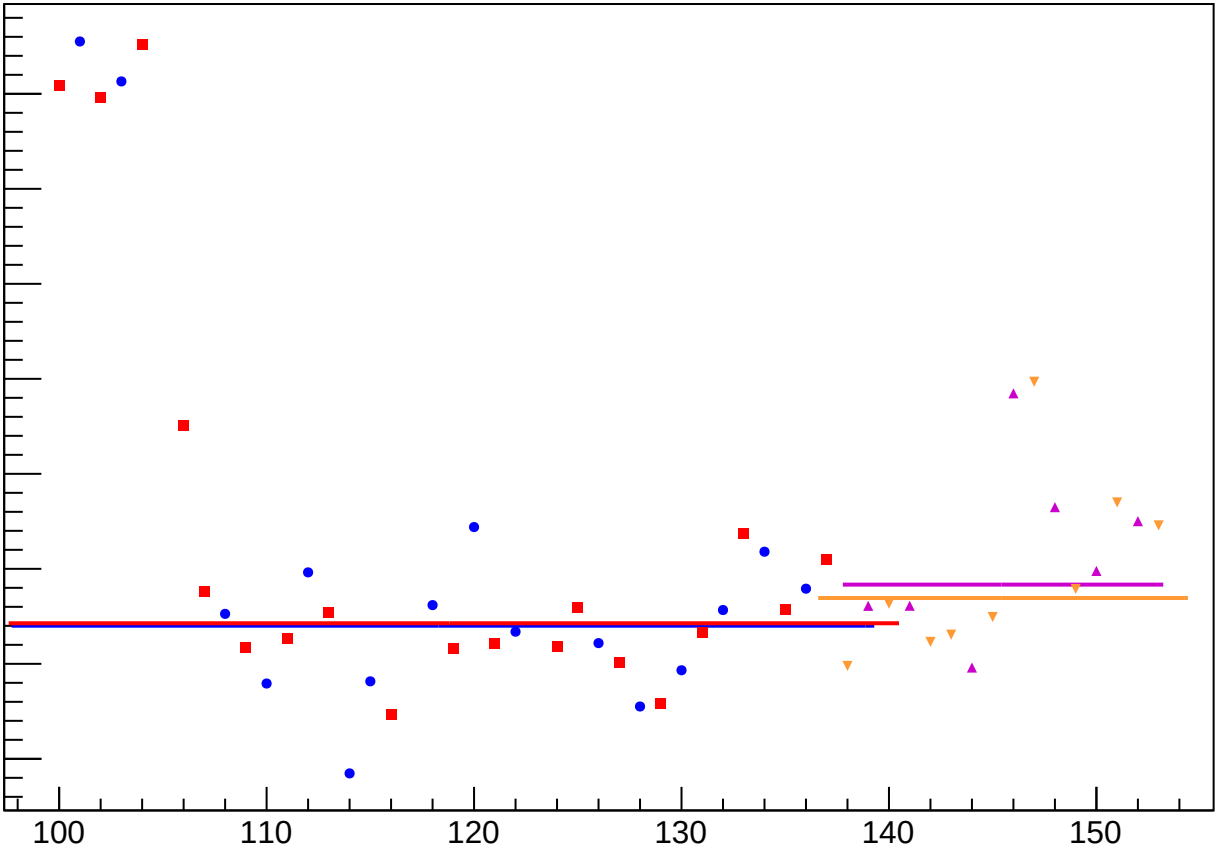
Right: 146.176+/-0.000 χ^2/NDF: 7588198619.6/34

In: 147.159+/-0.000 χ^2/NDF:3928959004.2/22

Out: 147.580+/-0.000 χ^2/NDF:4270206803.2/27

All: 147.379+/-0.000 χ^2/NDF: 8207473621.9

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.369+/-0.000 χ^2/NDF:469011.2/8

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

Left In: 0.383+/-0.000 χ^2/NDF:445410.7/6

Left: 0.376+/-0.000 χ^2/NDF: 922754.5/15

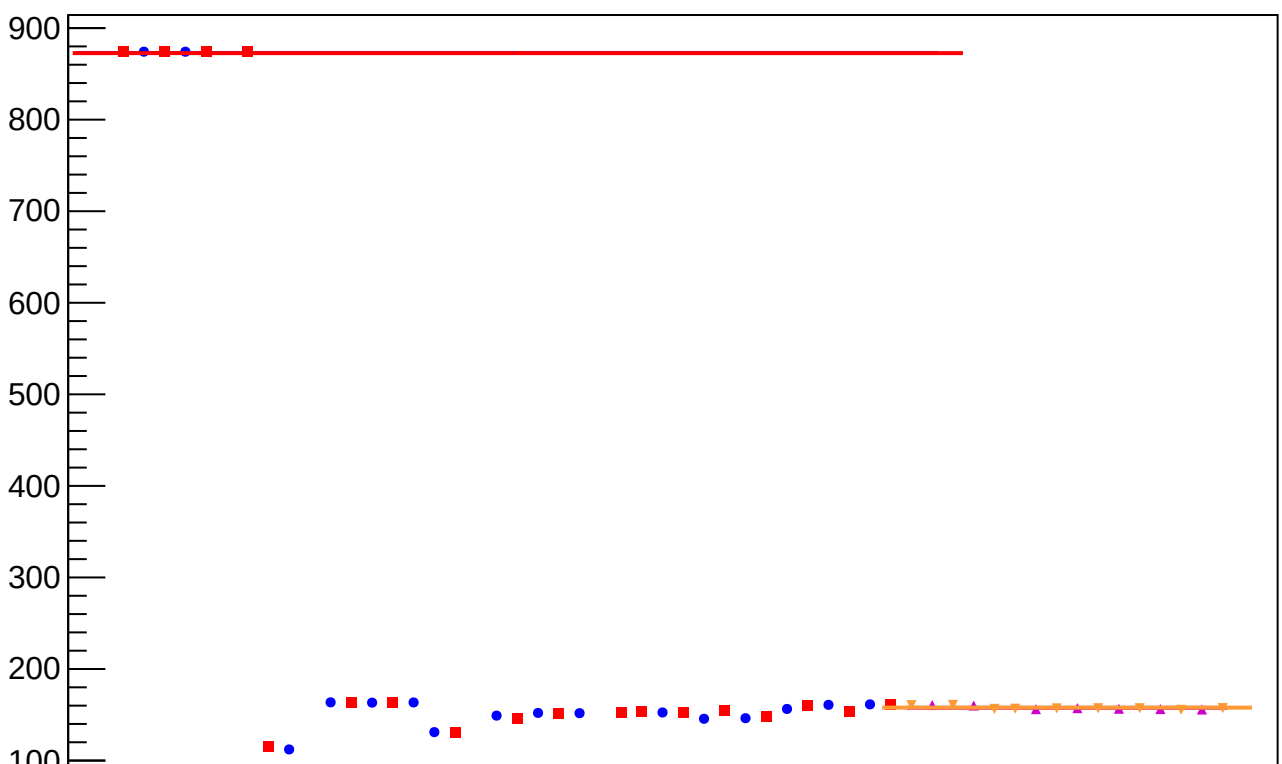
Right: 0.341+/-0.000 χ^2/NDF: 2664290.2/34

In: 0.359+/-0.000 χ^2/NDF:1920248.3/22

Out: 0.355+/-0.000 χ^2/NDF:1774428.2/27

All: 0.357+/-0.000 χ^2/NDF: 3695667.9/50

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 157.841+/-0.000 χ^2/NDF:40756656.0/8

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

Left In: 157.559+/-0.000 χ^2/NDF:39079706.0/6

Left: 157.708+/-0.000 χ^2/NDF: 80261825.1/15

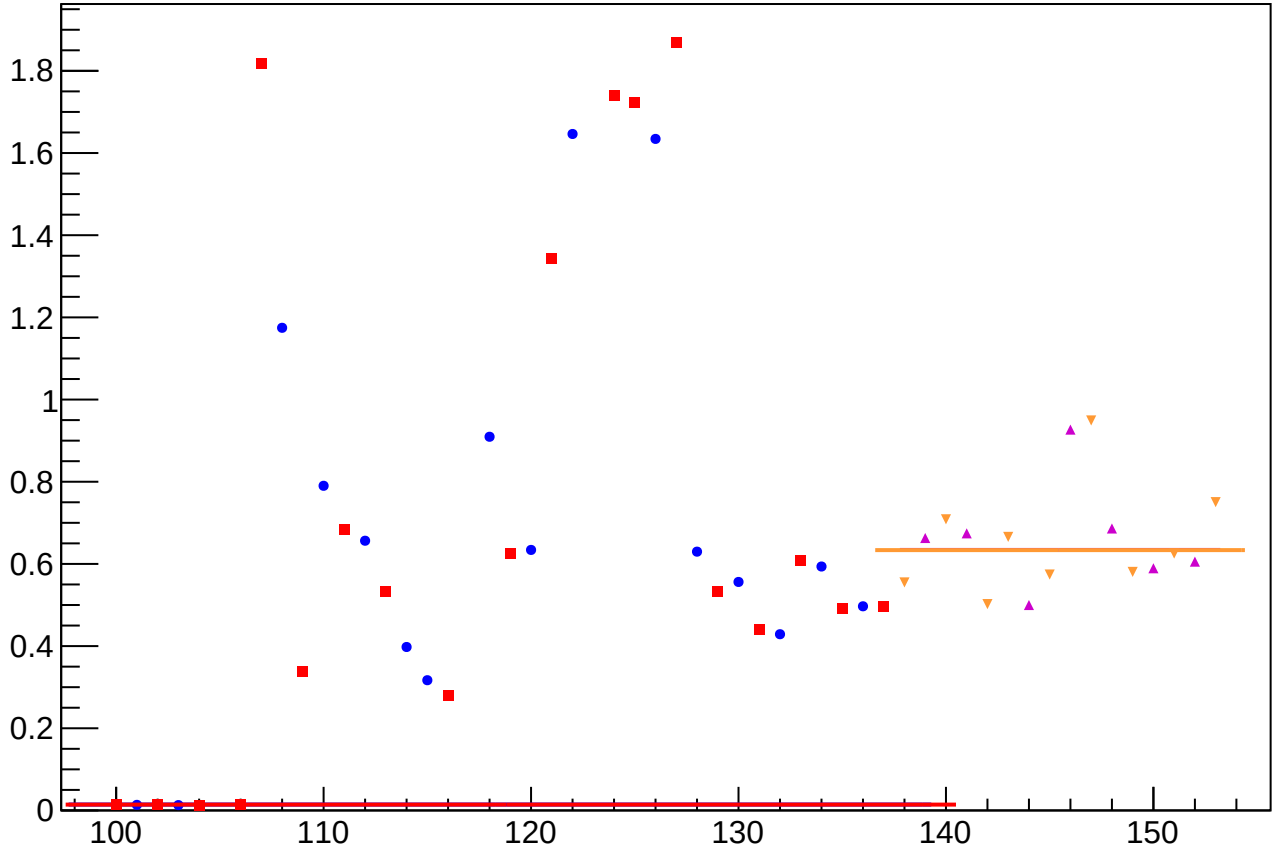
Right: 872.744+/-0.000 χ^2/NDF: 16358876765227.4

In: 871.808+/-0.000 χ^2/NDF:12356490461058.1/2

Out: 871.690+/-0.000 χ^2/NDF:14952146618781.2

All: 871.745+/-0.000 χ^2/NDF: 27308690640

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.634+/-0.000 χ^2/NDF:240751.7/8

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

Left In: 0.634+/-0.000 χ^2/NDF:204203.2/6

Left: 0.634+/-0.000 χ^2/NDF: 444956.8/15

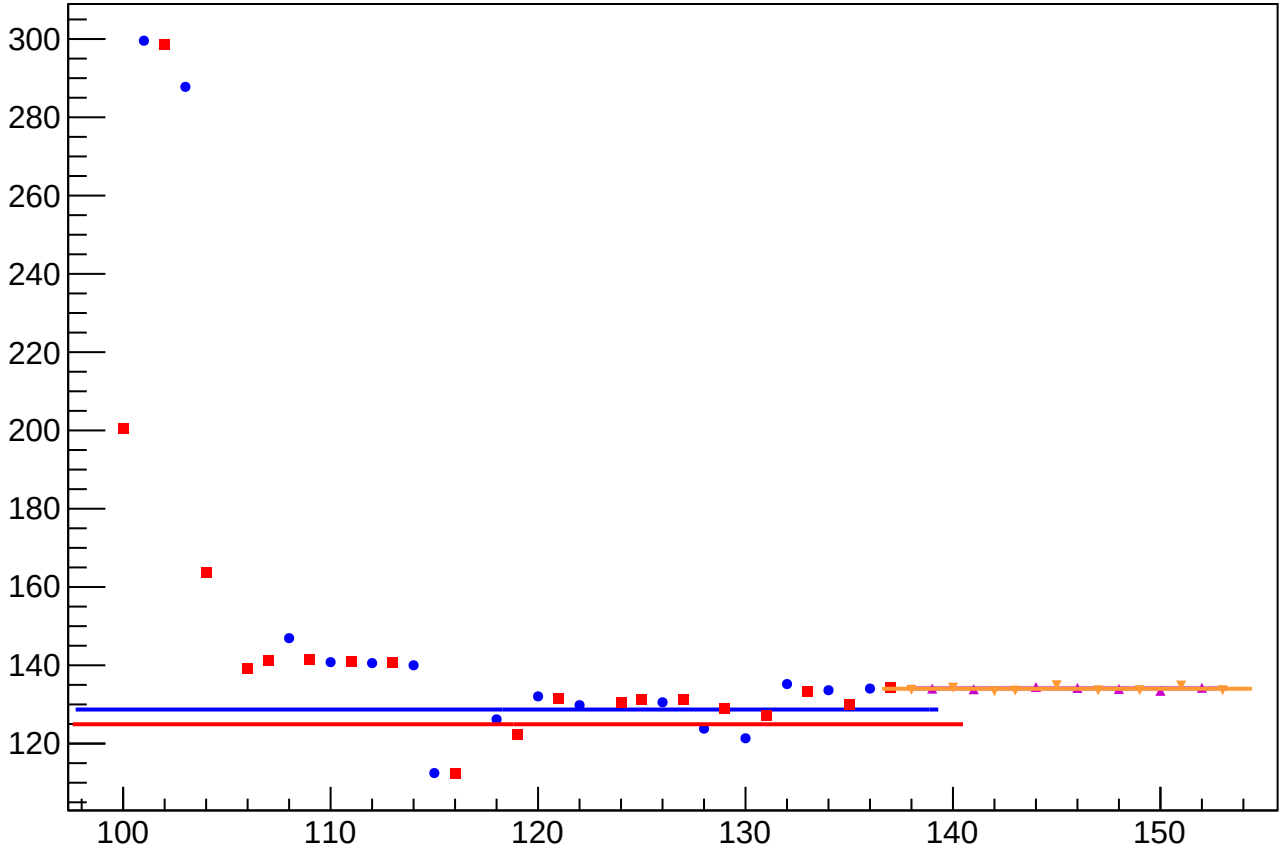
Right: 0.014+/-0.000 χ^2/NDF: 19032353.5/34

In: 0.015+/-0.000 χ^2/NDF:17579036.0/22

Out: 0.015+/-0.000 χ^2/NDF:18336106.5/27

All: 0.015+/-0.000 χ^2/NDF: 35915350.1/50

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 134.012+/-0.000 χ^2/NDF:9404491.3/8

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

Left In: 134.094+/-0.000 χ^2/NDF:2191766.5/6

Left: 134.048+/-0.000 χ^2/NDF: 11679159.1/15

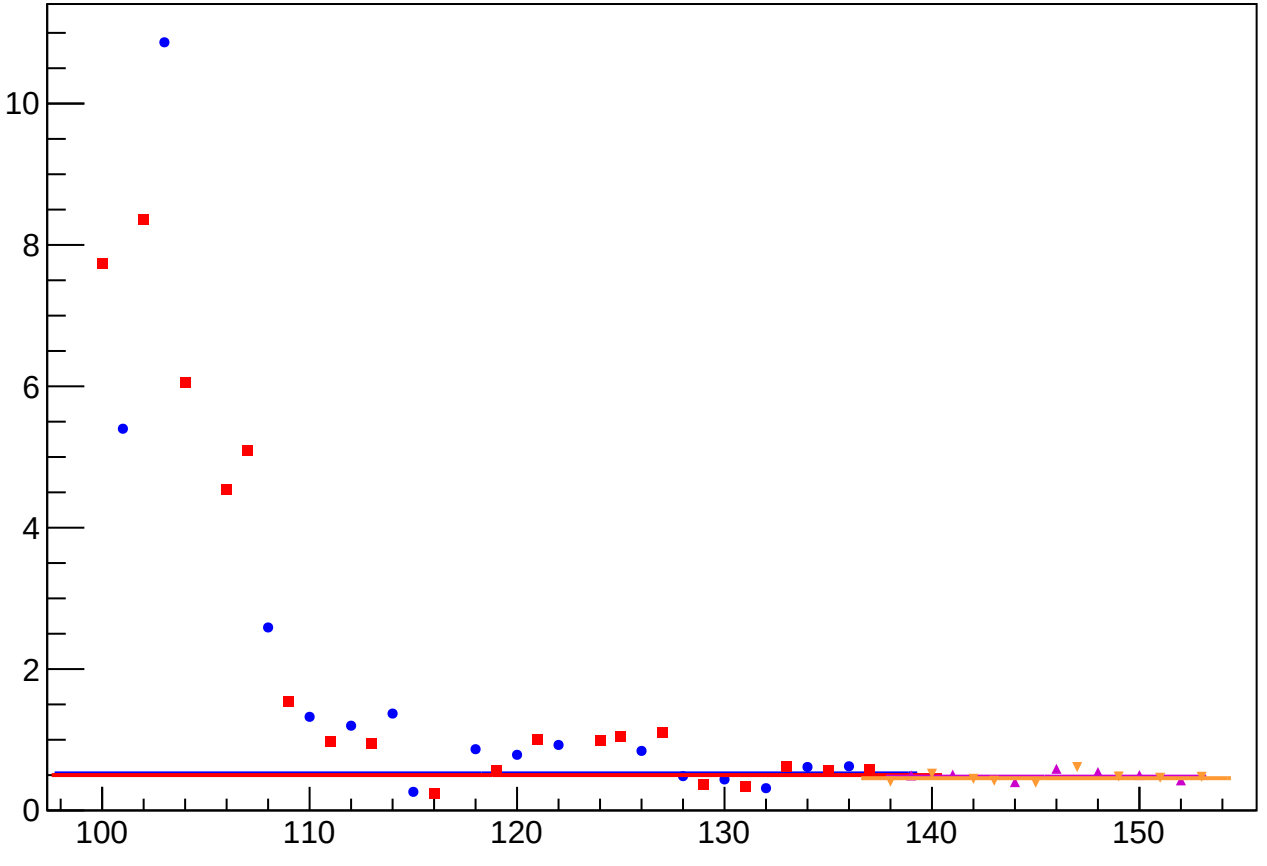
Right: 126.772+/-0.000 χ^2/NDF: 3151132983.0/34

In: 132.049+/-0.000 χ^2/NDF:1899732134.4/22

Out: 130.958+/-0.000 χ^2/NDF:2174307423.8/27

All: 131.458+/-0.000 χ^2/NDF: 4096760660.0

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.456+/-0.000 χ^2/NDF:183907.3/8

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

Left In: 0.478+/-0.000 χ^2/NDF:172763.5/6

Left: 0.466+/-0.000 χ^2/NDF: 368623.5/15

Right: 0.512+/-0.000 χ^2/NDF: 9030118.3/34

In: 0.496+/-0.000 χ^2/NDF:4345763.5/22

Out: 0.471+/-0.000 χ^2/NDF:5104514.3/27

All: 0.482+/-0.000 χ^2/NDF: 9473287.7/50

yield_cav4dQ_mean vs Slug, Sign Corrected

Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.268+/-0.000 χ^2/NDF:16035287.6/8

Right Out: 1865.968+/-0.000 χ^2/NDF: 142769122276045.8/18

Left In: 137.282+/-0.000 χ^2/NDF:3874815.9/6

Left: 137.274+/-0.000 χ^2/NDF: 19914523.3/15

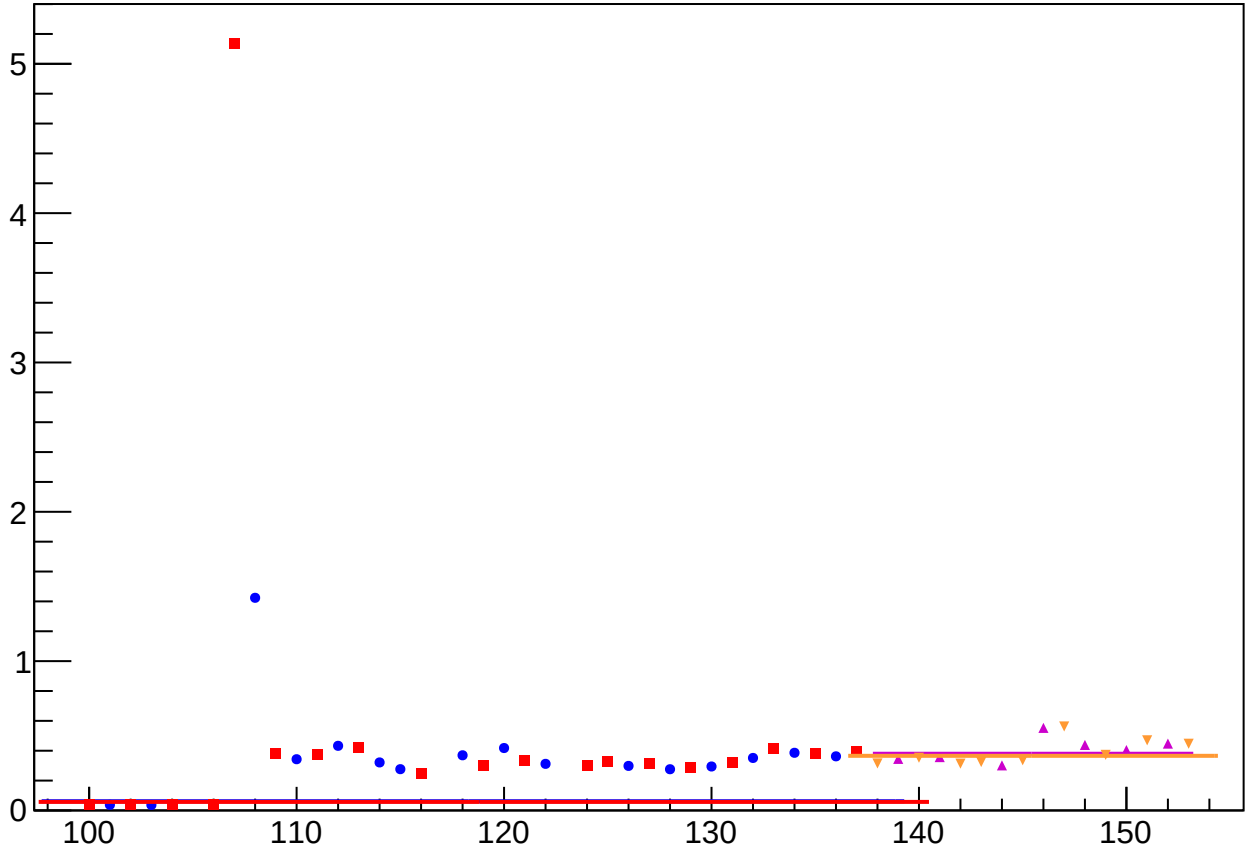
Right: 1853.888+/-0.000 χ^2/NDF: 2888957986059

In: 1729.773+/-0.000 χ^2/NDF:252732873827857.

Out: 1748.541+/-0.000 χ^2/NDF:27795065710940

All: 1739.899+/-0.000 χ^2/NDF: 5307994061

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.366+/-0.000 χ^2/NDF:420098.6/8

Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

Left In: 0.380+/-0.000 χ^2/NDF:377562.6/6

Left: 0.372+/-0.000 χ^2/NDF: 806034.4/15

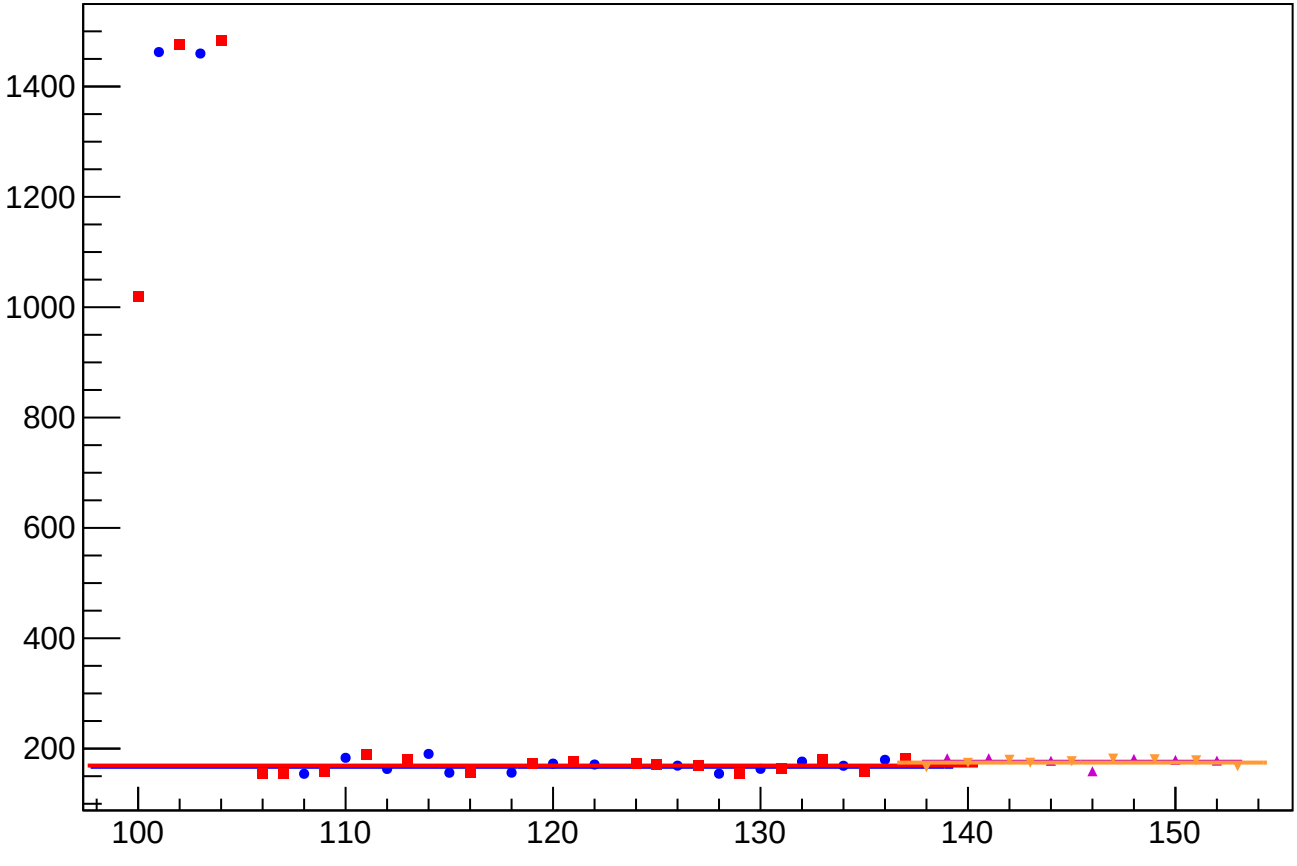
Right: 0.059+/-0.000 χ^2/NDF: 15927866.9/34

In: 0.082+/-0.000 χ^2/NDF:16003810.1/22

Out: 0.078+/-0.000 χ^2/NDF:16777671.0/27

All: 0.080+/-0.000 χ^2/NDF: 32792379.1/50

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 174.668+/-0.000 χ^2/NDF:196953840.9/8

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

Left In: 176.217+/-0.000 χ^2/NDF:370264090.9/6

Left: 175.370+/-0.000 χ^2/NDF: 574203859.2/15

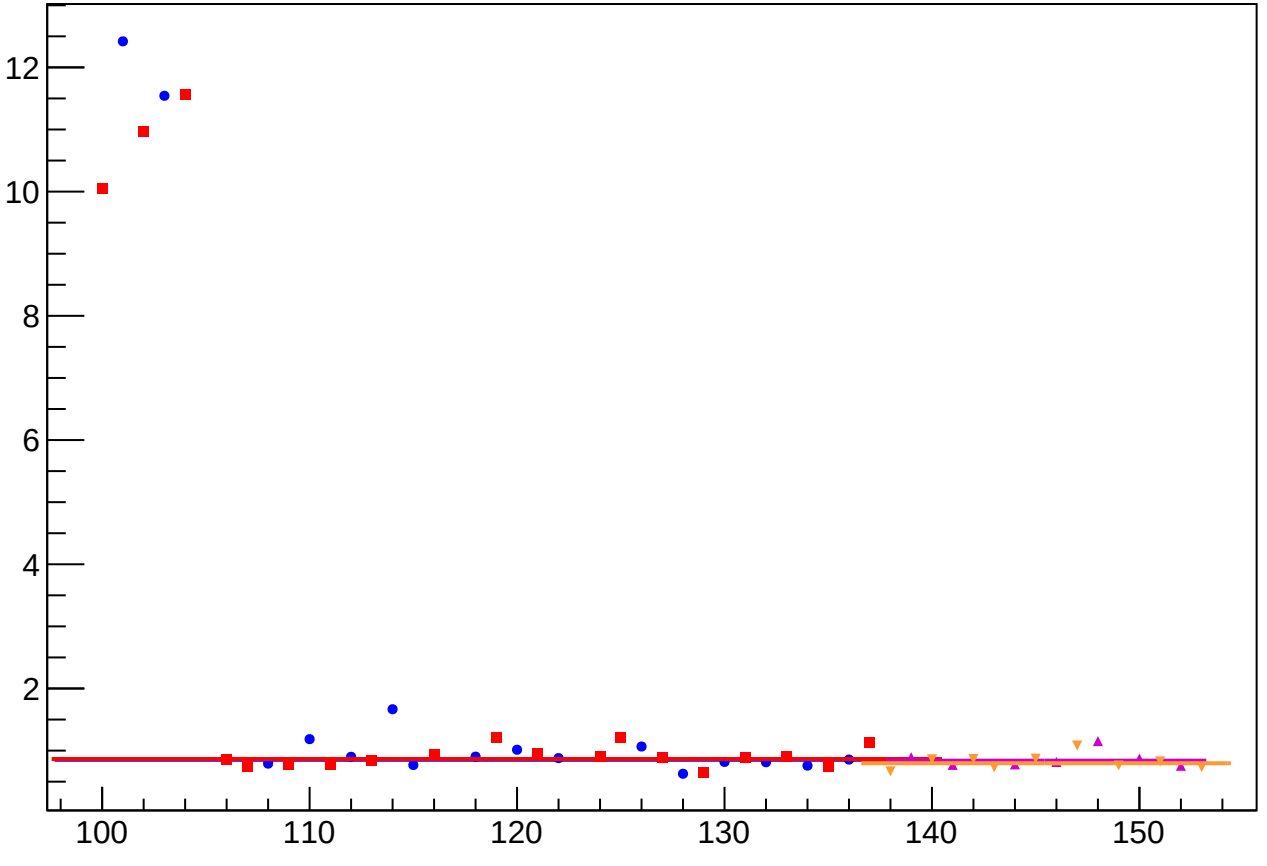
Right: 168.153+/-0.000 χ^2/NDF: 30946000130.2/34

In: 171.631+/-0.000 χ^2/NDF:15210070614.4/22

Out: 172.185+/-0.000 χ^2/NDF:16600825121.9/27

All: 171.924+/-0.000 χ^2/NDF: 31812614159.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.797+/-0.000 χ^2/NDF:145340.2/8

Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.838+/-0.000 χ^2/NDF:122816.1/6

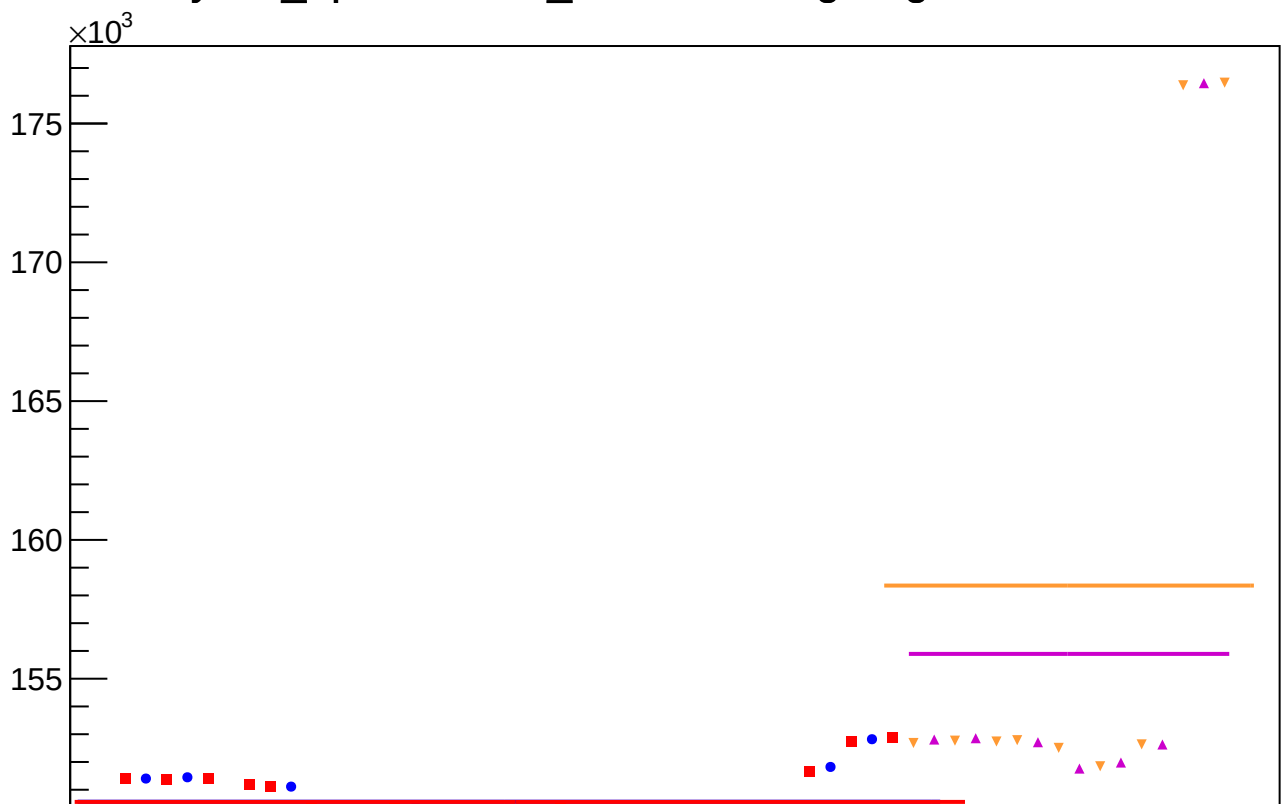
Left: 0.816+/-0.000 χ^2/NDF: 278198.0/15

Right: 0.859+/-0.000 χ^2/NDF: 4512219.1/34

In: 0.846+/-0.000 χ^2/NDF:2426273.4/22

Out: 0.828+/-0.000 χ^2/NDF:2381537.1/27

All: 0.836+/-0.000 χ^2/NDF: 4811383.5/50



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 158355.261+/-0.067 χ^2/NDF:23538658740.0/8

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

Left In: 155893.330+/-0.074 χ^2/NDF:12883391693.2/6

Left: 157247.570+/-0.049 χ^2/NDF: 37034384878.6

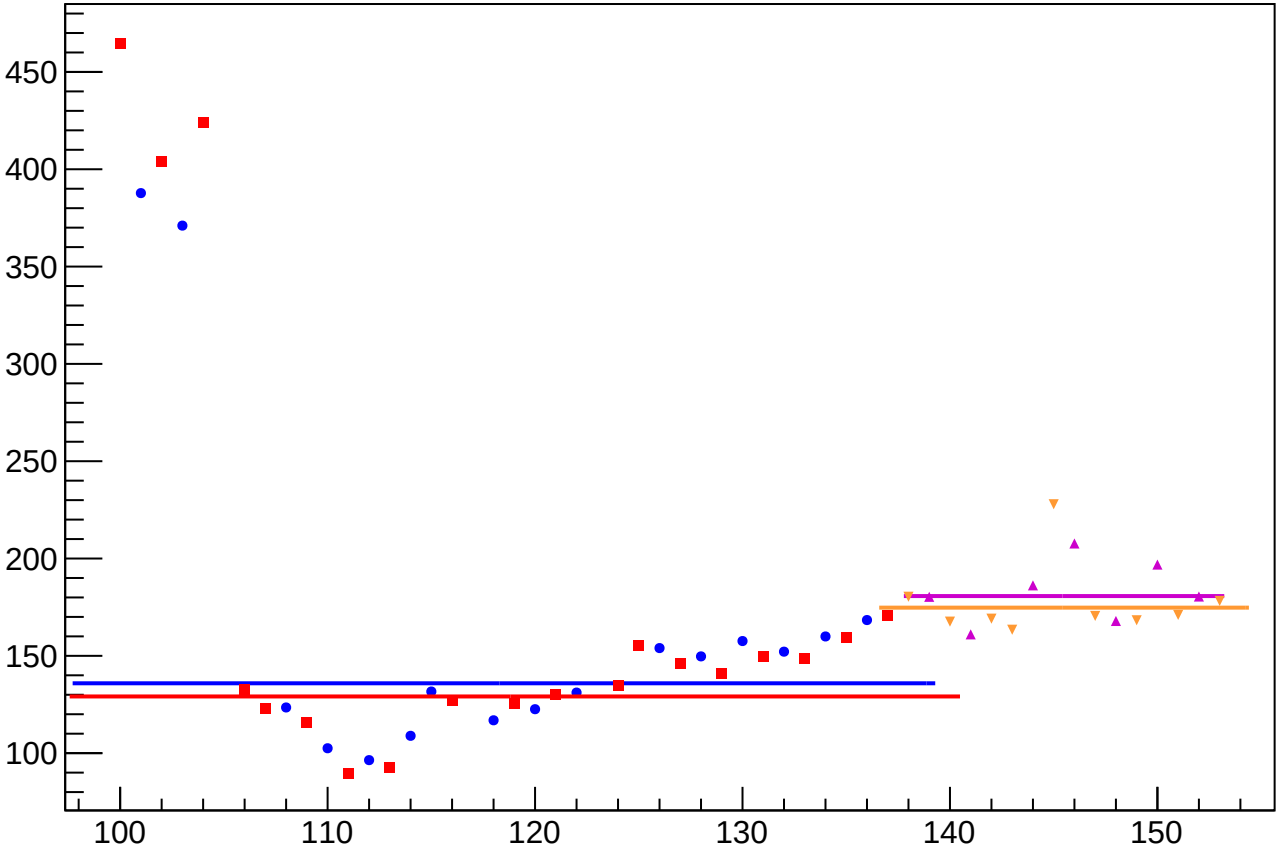
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 152453.019+/-0.044 χ^2/NDF:16484959491.8/2

Out: 153433.848+/-0.041 χ^2/NDF:32348529676.9/

All: 152982.688+/-0.030 χ^2/NDF: 49103102

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 174.765+/-0.047 χ^2/NDF:105641.3/8

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 180.713+/-0.052 χ^2/NDF:78700.3/6

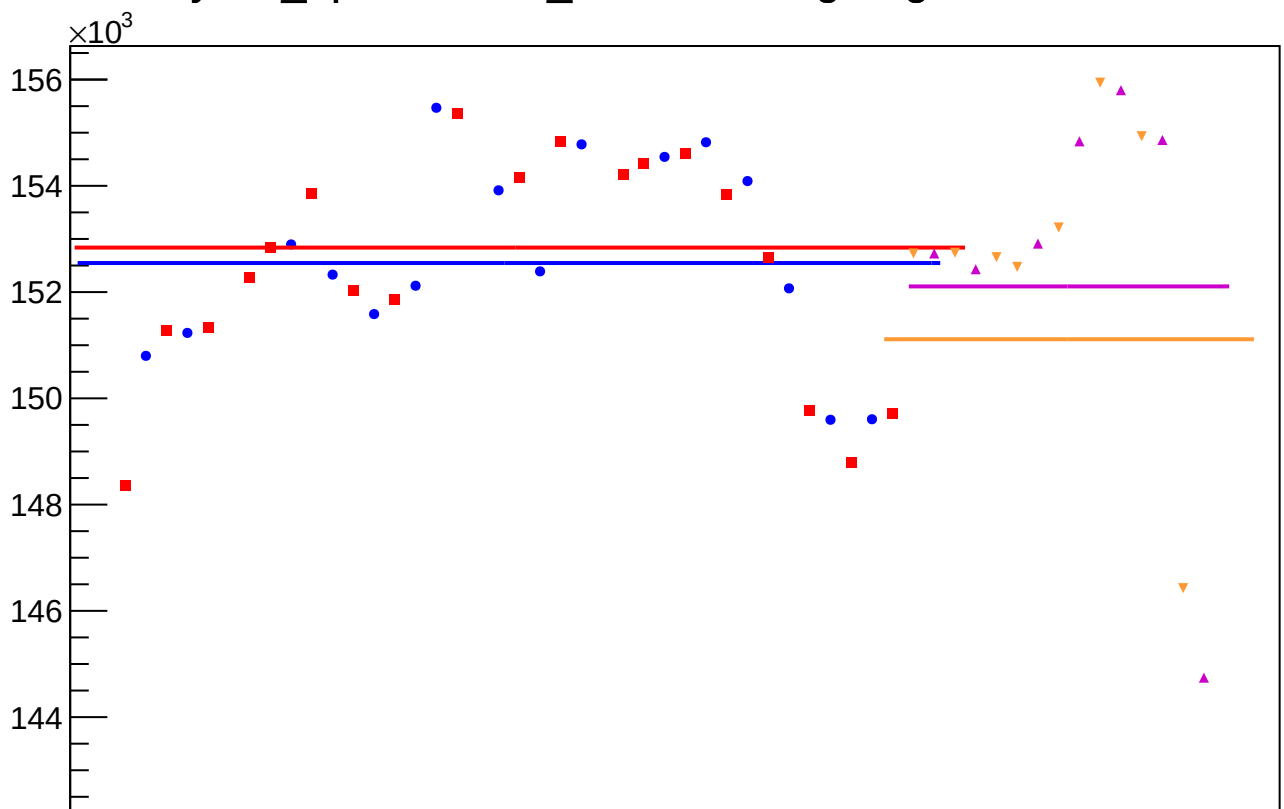
Left: 177.441+/-0.035 χ^2/NDF: 191488.0/15

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 151.756+/-0.031 χ^2/NDF:1971710.1/22

Out: 145.948+/-0.029 χ^2/NDF:2310519.3/27

All: 148.620+/-0.021 χ^2/NDF: 4301136.9/50



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 151112.450+/-0.075 χ^2/NDF:3013897691.2/8

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 152107.141+/-0.084 χ^2/NDF:1717968798.6/6

Left: 151553.321+/-0.056 χ^2/NDF: 4809566584.2/1

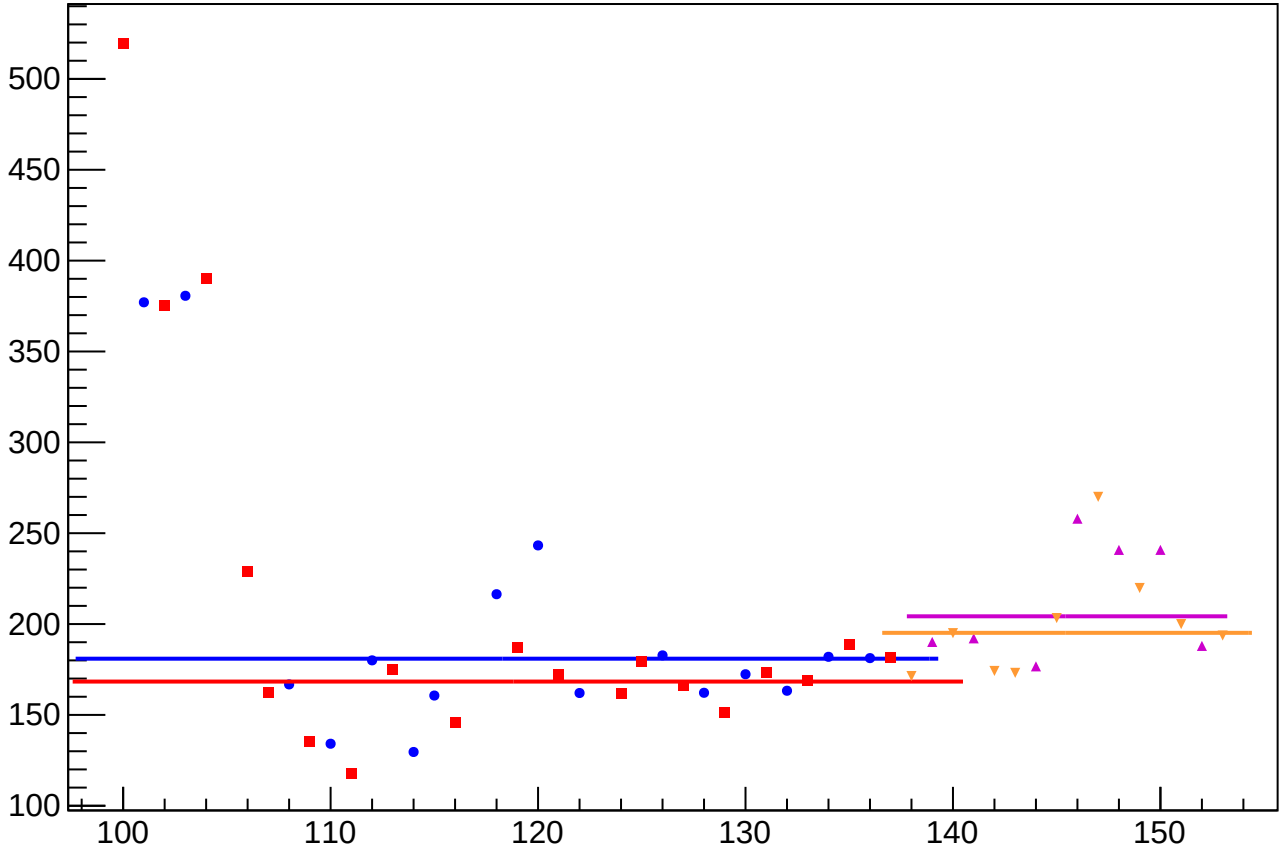
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 152359.334+/-0.055 χ^2/NDF:2388152042.7/22

Out: 152077.826+/-0.050 χ^2/NDF:4045937986.7/2

All: 152204.842+/-0.037 χ^2/NDF: 64484721

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 195.165+/-0.053 χ^2/NDF:217255.8/8

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 204.264+/-0.060 χ^2/NDF:225774.3/6

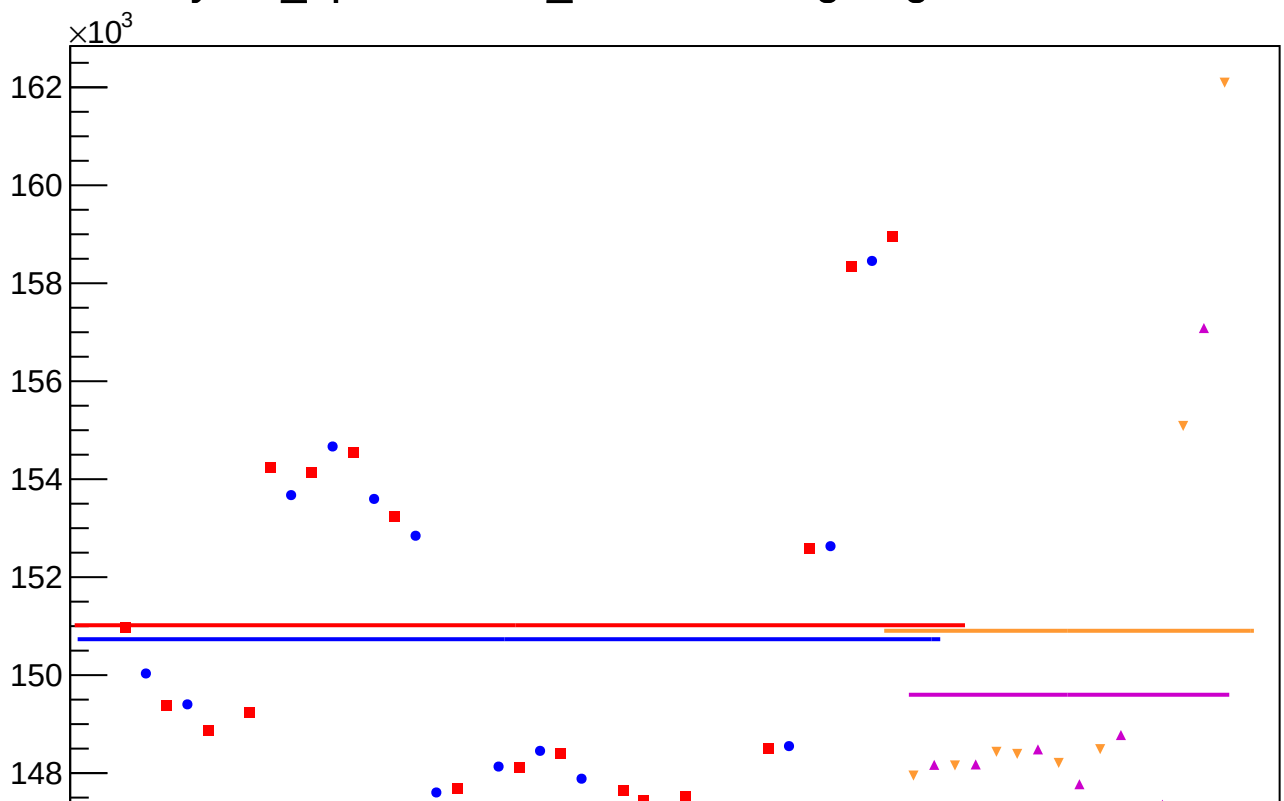
Left: 199.198+/-0.040 χ^2/NDF: 456034.5/15

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 190.887+/-0.039 χ^2/NDF:1221554.8/22

Out: 180.162+/-0.035 χ^2/NDF:1448919.2/27

All: 185.001+/-0.026 χ^2/NDF: 2712230.6/50



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 150905.464+/-0.073 χ^2/NDF:4724543445.9/8

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

Left In: 149599.631+/-0.082 χ^2/NDF:1639865010.0/6

Left: 150327.336+/-0.054 χ^2/NDF: 6506535177.3/1

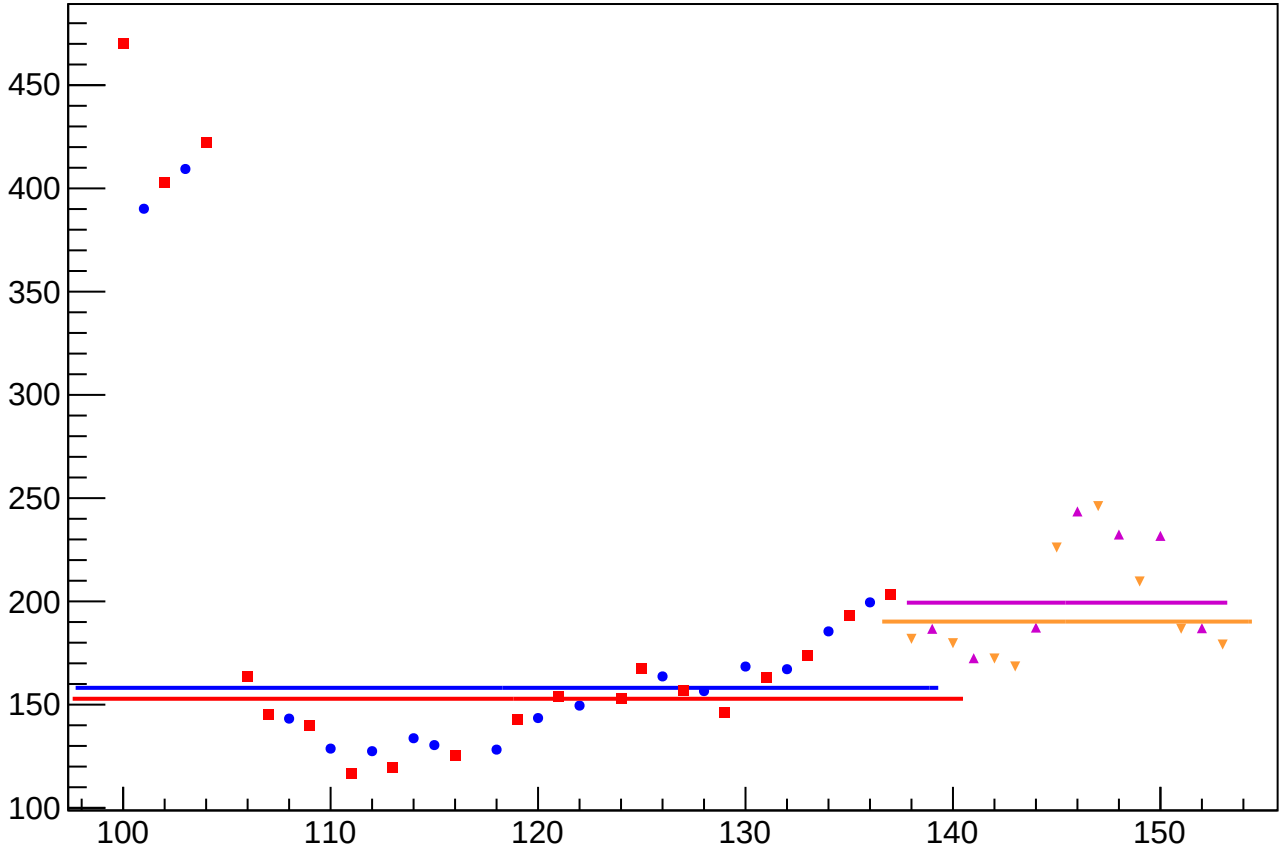
Right: 150882.491+/-0.043 χ^2/NDF: 6580735457.3/

In: 150311.861+/-0.050 χ^2/NDF:5044478470.4/22

Out: 150972.787+/-0.046 χ^2/NDF:8012107994.3/2

All: 150666.387+/-0.034 χ^2/NDF: 13150858

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 190.224+/-0.052 χ^2/NDF:190678.6/8

Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 199.375+/-0.058 χ^2/NDF:190891.4/6

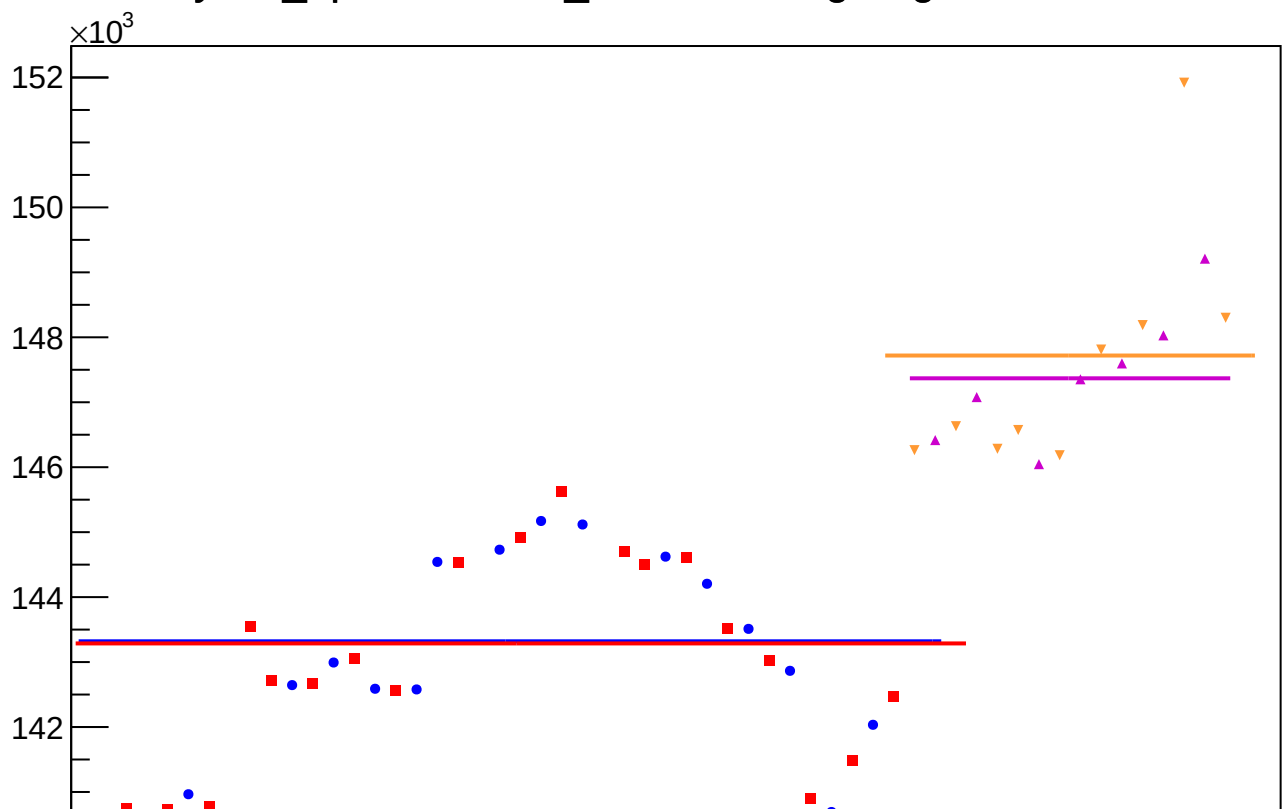
Left: 194.275+/-0.038 χ^2/NDF: 395531.3/15

Right: 155.367+/-0.031 χ^2/NDF: 2467354.6/34

In: 173.468+/-0.035 χ^2/NDF:1706173.4/22

Out: 167.959+/-0.033 χ^2/NDF:1768302.9/27

All: 170.513+/-0.024 χ^2/NDF: 3487575.0/50



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 147719.447+/-0.071 χ^2/NDF:668594786.3/8

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

Left In: 147368.585+/-0.080 χ^2/NDF:174737291.9/6

Left: 147565.842+/-0.053 χ^2/NDF: 854033114.8/15

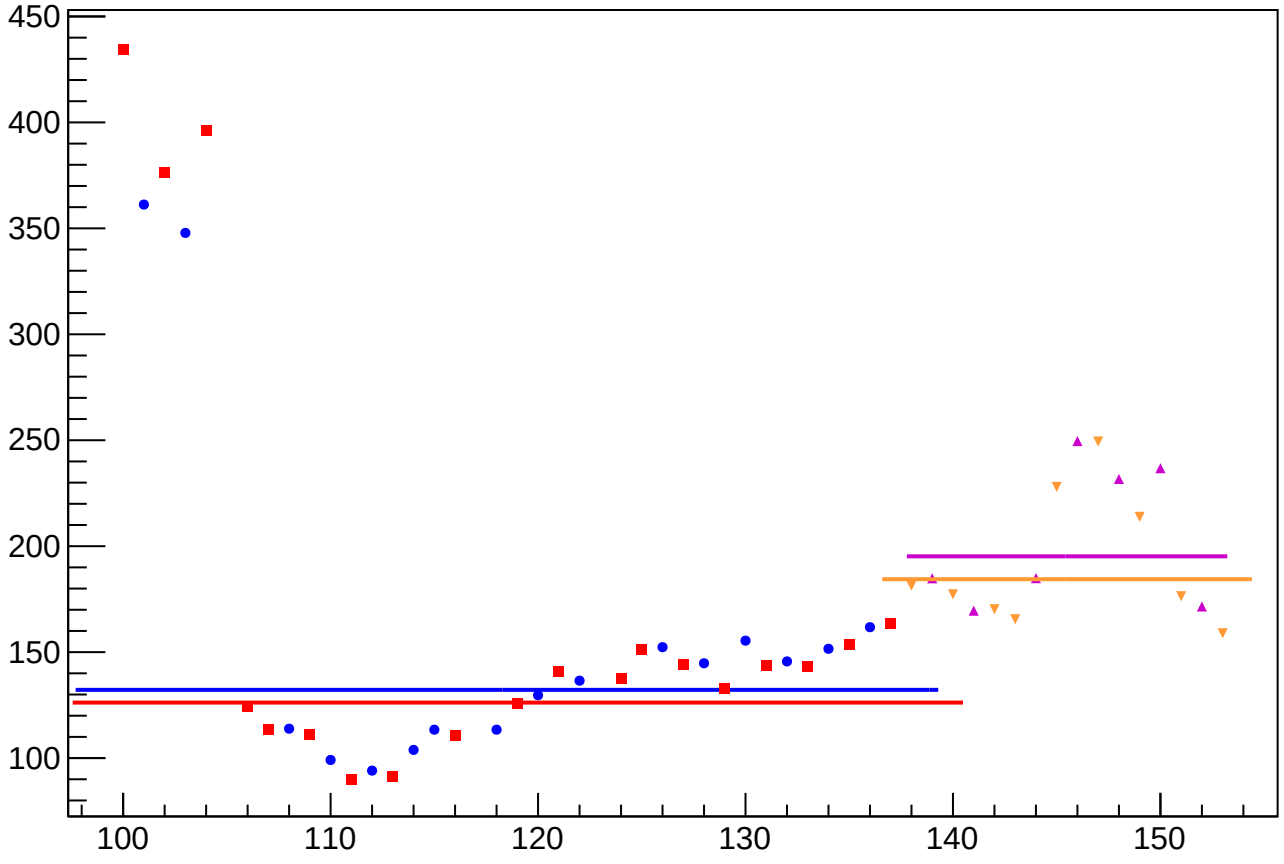
Right: 143302.220+/-0.036 χ^2/NDF: 1180025024.1/

In: 144549.697+/-0.044 χ^2/NDF:2498758816.8/22

Out: 144745.796+/-0.041 χ^2/NDF:3906224685.5/2

All: 144656.063+/-0.030 χ^2/NDF: 64155992

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 184.419+/-0.050 χ^2/NDF:276132.9/8

Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 195.216+/-0.057 χ^2/NDF:261404.7/6

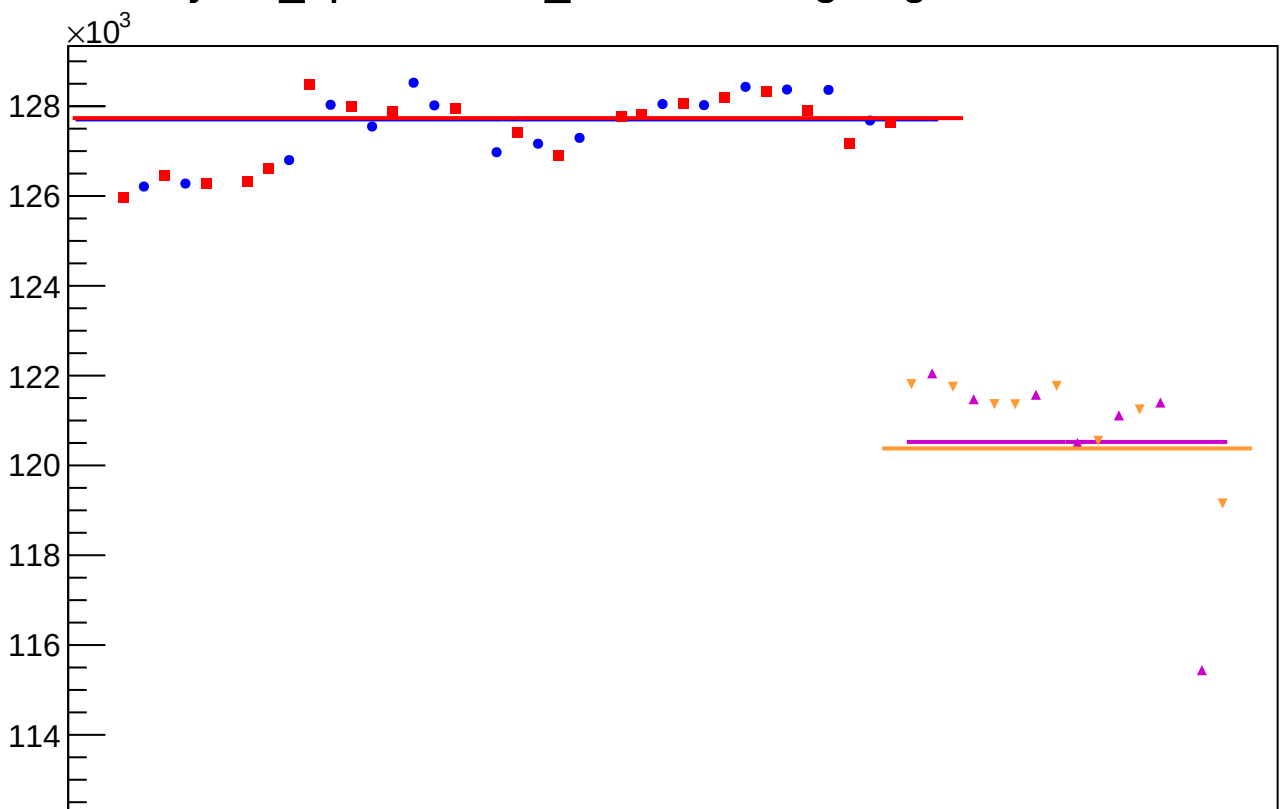
Left: 189.146+/-0.038 χ^2/NDF: 557804.5/15

Right: 128.998+/-0.026 χ^2/NDF: 2937865.2/34

In: 151.347+/-0.031 χ^2/NDF:2495375.1/22

Out: 145.355+/-0.029 χ^2/NDF:2724432.6/27

All: 148.097+/-0.021 χ^2/NDF: 5239628.1/50



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 120378.093+/-0.066 χ^2/NDF:1672029693.9/8

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

Left In: 120523.223+/-0.071 χ^2/NDF:980982027.7/6

Left: 120445.300+/-0.048 χ^2/NDF: 2655269272.0/1

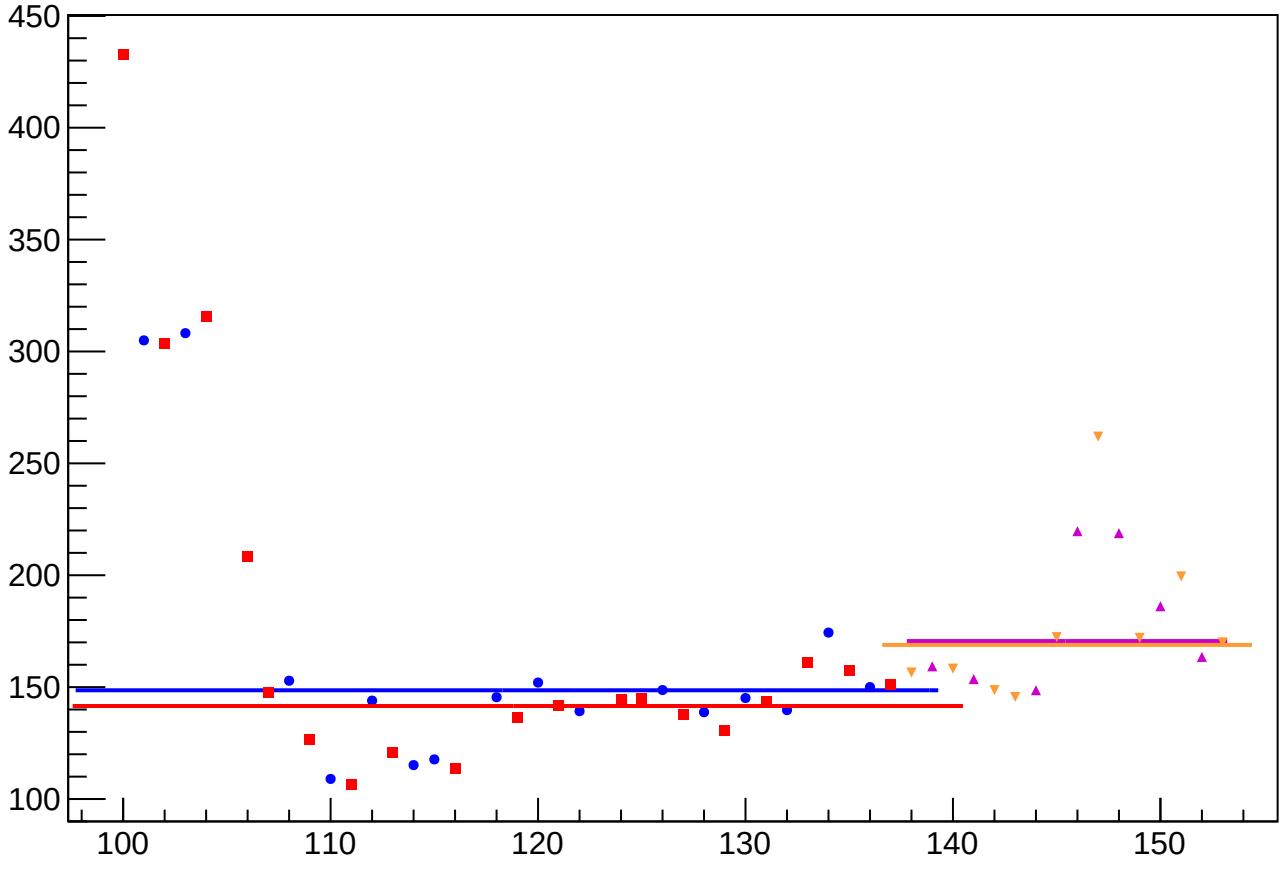
Right: 127720.787+/-0.040 χ^2/NDF: 214070280.4/3

In: 124795.155+/-0.045 χ^2/NDF:7210106706.7/22

Out: 124710.671+/-0.042 χ^2/NDF:9158469288.3/2

All: 124750.096+/-0.031 χ^2/NDF: 16370451

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 168.868+/-0.046 χ^2/NDF:316722.7/8

Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 170.591+/-0.050 χ^2/NDF:246997.5/6

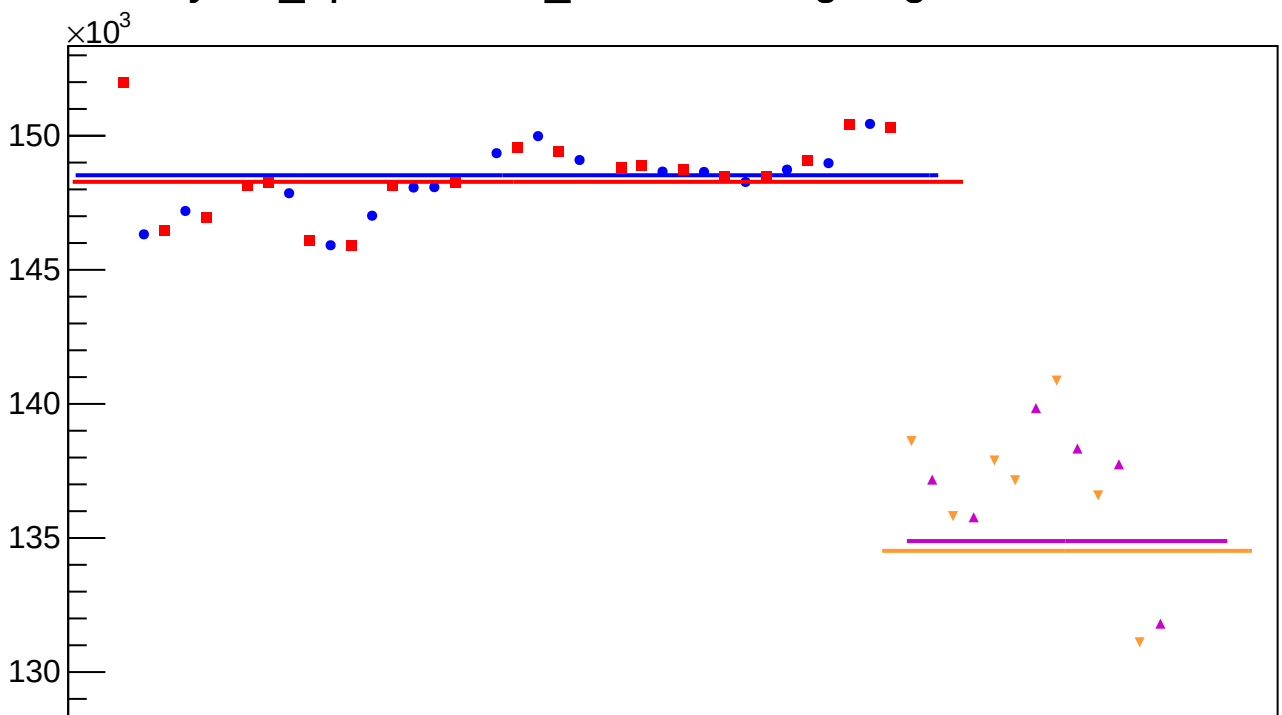
Left: 169.666+/-0.034 χ^2/NDF: 564355.9/15

Right: 144.861+/-0.028 χ^2/NDF: 1844303.5/34

In: 157.506+/-0.032 χ^2/NDF:1189612.8/22

Out: 152.787+/-0.030 χ^2/NDF:1521215.8/27

All: 154.989+/-0.022 χ^2/NDF: 2722532.7/50



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 134521.322+/-0.098 χ^2/NDF:2535367440.5/8

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

Left In: 134887.154+/-0.106 χ^2/NDF:2012941605.3/6

Left: 134689.886+/-0.072 χ^2/NDF: 4554776814.2/1

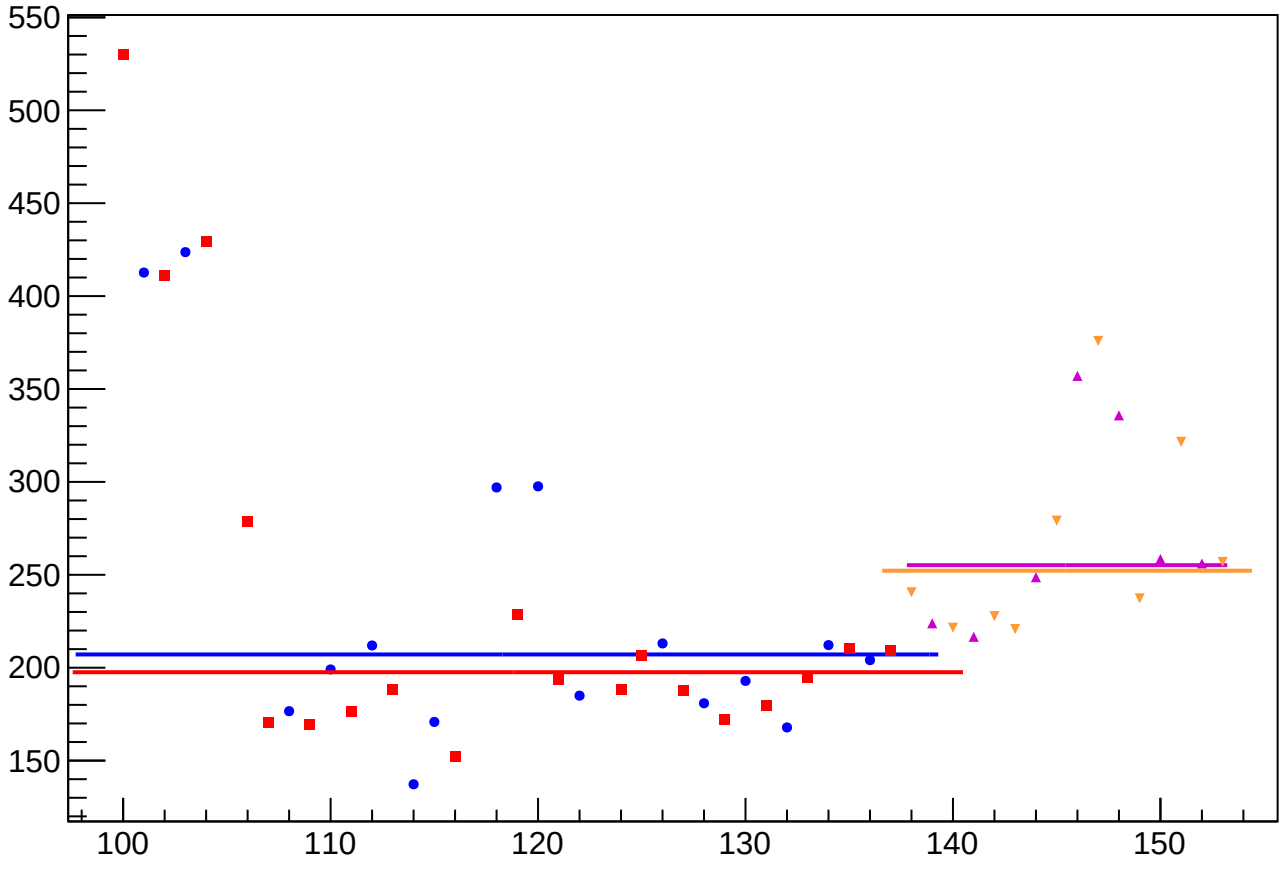
Right: 148396.583+/-0.056 χ^2/NDF: 508678498.1/3

In: 143403.223+/-0.065 χ^2/NDF:12632964631.4/2

Out: 143039.255+/-0.060 χ^2/NDF:15123711178.4

All: 143208.231+/-0.044 χ^2/NDF: 27773606

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 252.198+/-0.069 χ^2/NDF:350195.3/8

Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 255.190+/-0.075 χ^2/NDF:324555.5/6

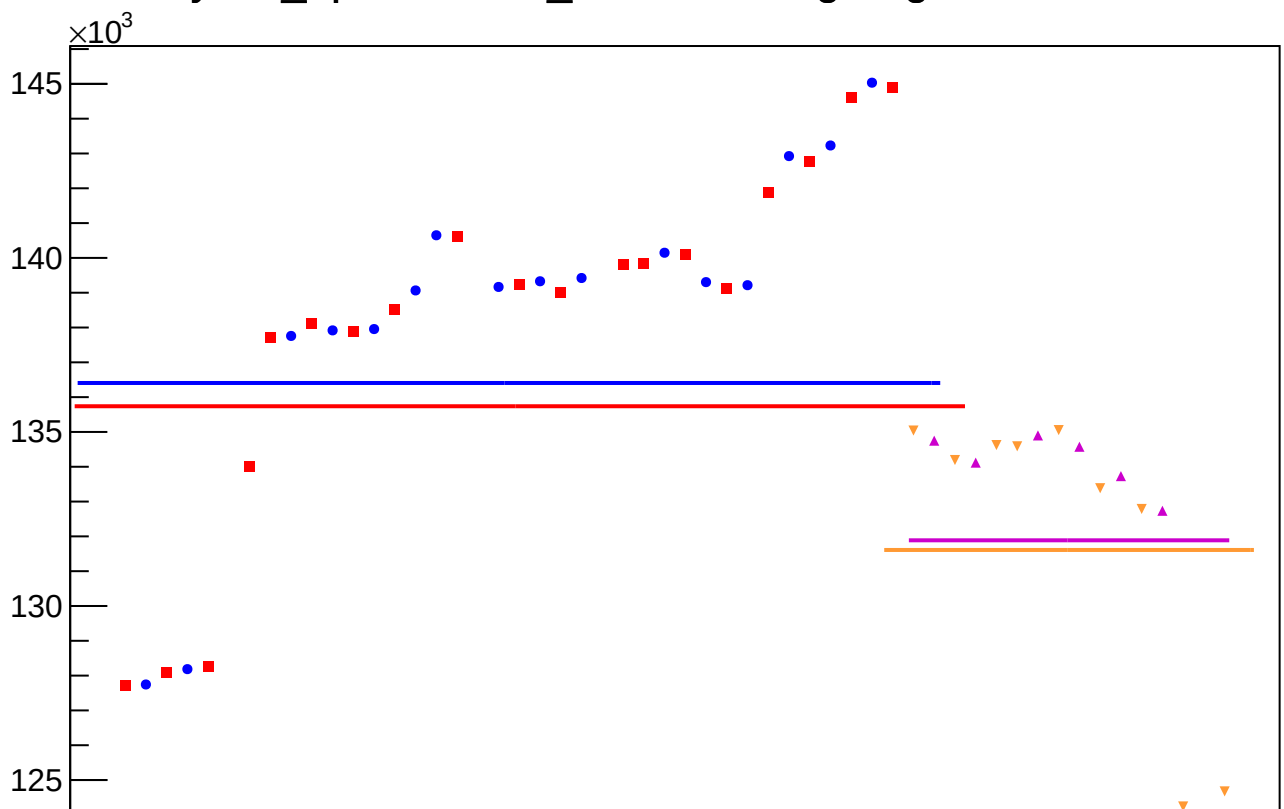
Left: 253.577+/-0.051 χ^2/NDF: 675616.3/15

Right: 202.032+/-0.040 χ^2/NDF: 1890755.2/34

In: 225.188+/-0.046 χ^2/NDF:1555200.1/22

Out: 218.384+/-0.043 χ^2/NDF:1641670.9/27

All: 221.543+/-0.031 χ^2/NDF: 3208707.1/50



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 131609.496+/-0.207 χ^2/NDF:480202274.9/8

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

Left In: 131886.919+/-0.232 χ^2/NDF:345234362.5/6

Left: 131732.835+/-0.155 χ^2/NDF: 826231804.2/15

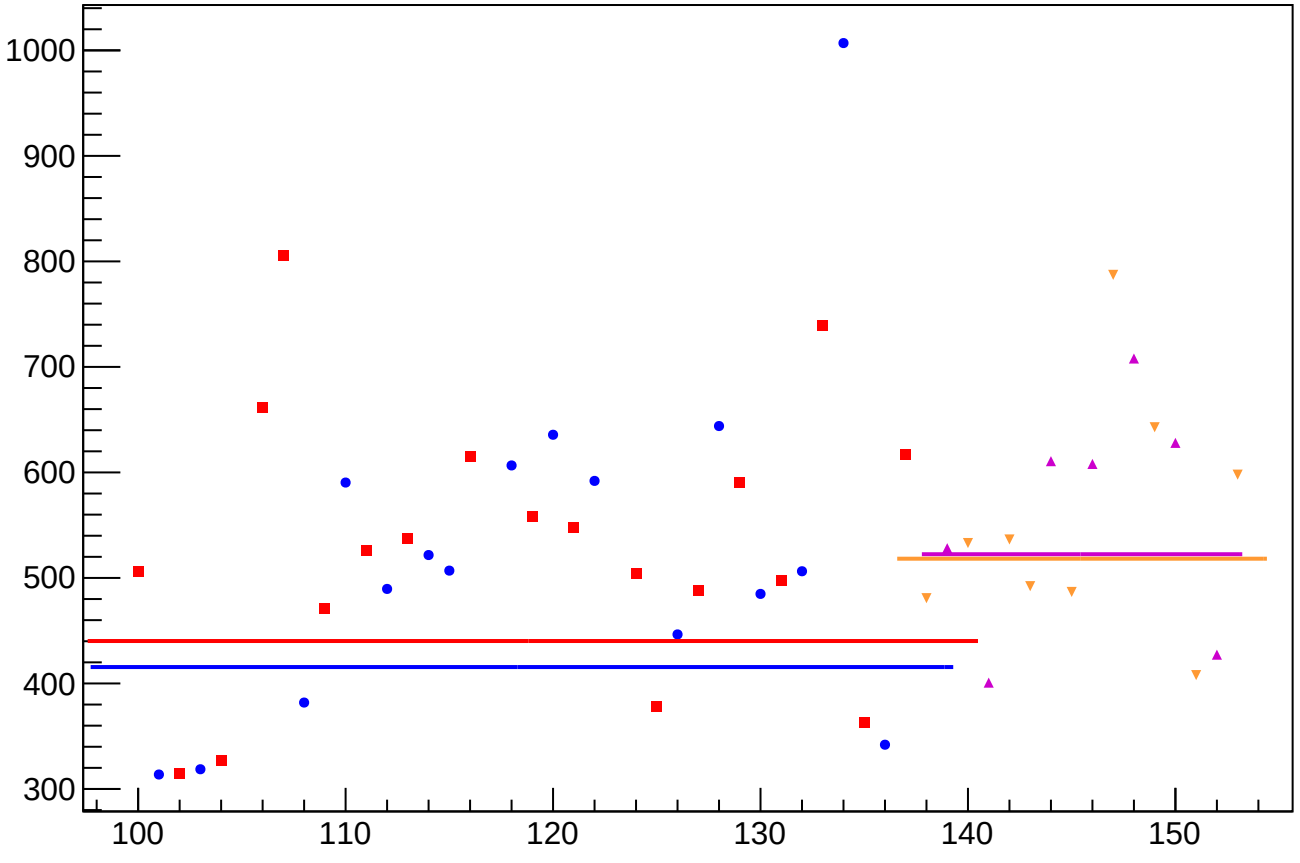
Right: 136088.335+/-0.122 χ^2/NDF: 2758689484.9/

In: 134843.827+/-0.136 χ^2/NDF:2170923777.4/22

Out: 134002.583+/-0.135 χ^2/NDF:1883945854.6/2

All: 134417.475+/-0.096 χ^2/NDF: 40741626

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 518.233+/-0.147 χ^2/NDF:386158.4/8

Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 522.471+/-0.164 χ^2/NDF:411336.0/6

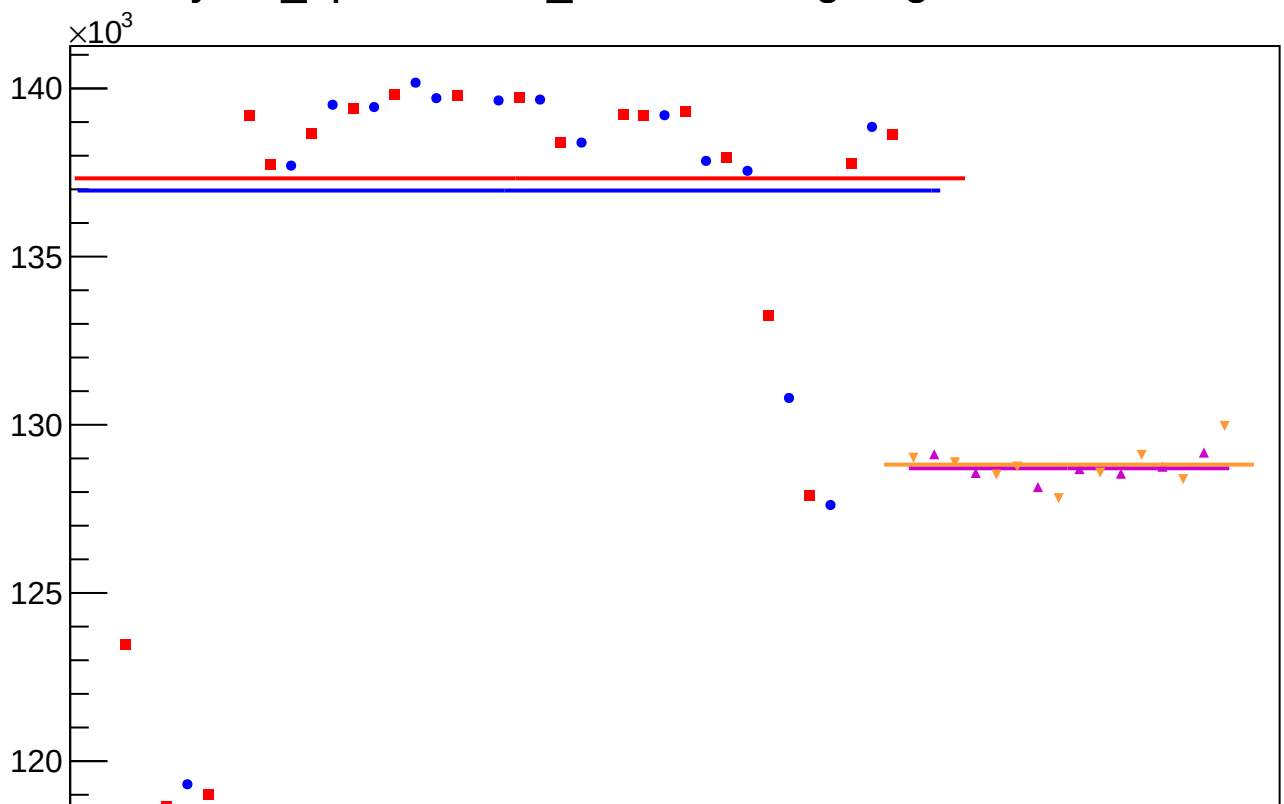
Left: 520.117+/-0.109 χ^2/NDF: 797865.6/15

Right: 427.304+/-0.086 χ^2/NDF: 1962803.8/34

In: 452.523+/-0.096 χ^2/NDF:1721186.6/22

Out: 473.016+/-0.095 χ^2/NDF:1460904.7/27

All: 462.909+/-0.068 χ^2/NDF: 3204987.9/50



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 128816.617+/-0.070 χ^2/NDF:62755983.9/8

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

Left In: 128707.135+/-0.077 χ^2/NDF:22171590.0/6

Left: 128766.838+/-0.052 χ^2/NDF: 86038448.0/15

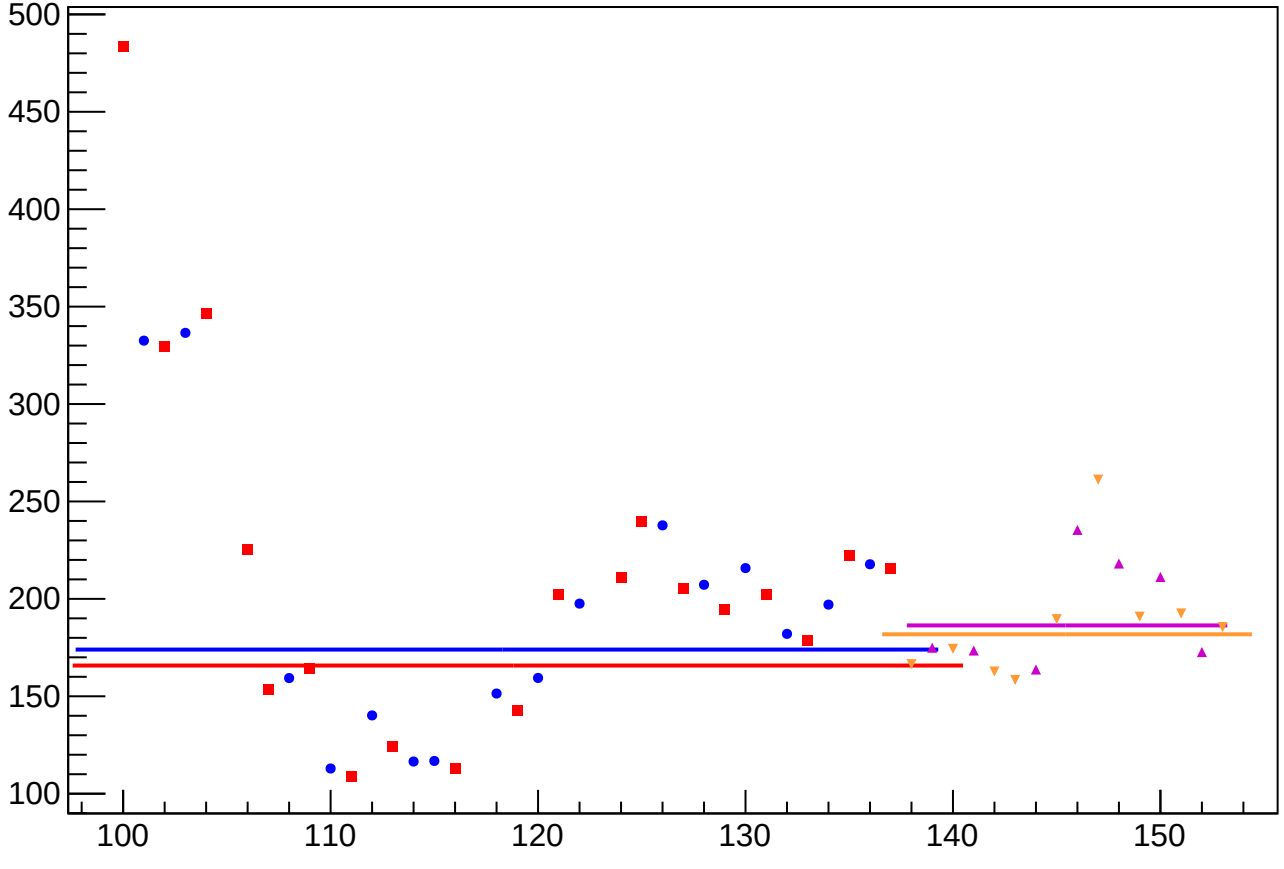
Right: 137157.181+/-0.048 χ^2/NDF: 11559848727.

In: 133228.741+/-0.052 χ^2/NDF:12175818435.2/2

Out: 133348.668+/-0.048 χ^2/NDF:13662678363.0

All: 133293.165+/-0.035 χ^2/NDF: 25841399

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 181.812+/-0.050 χ^2/NDF:225461.7/8

Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 186.377+/-0.054 χ^2/NDF:196051.8/6

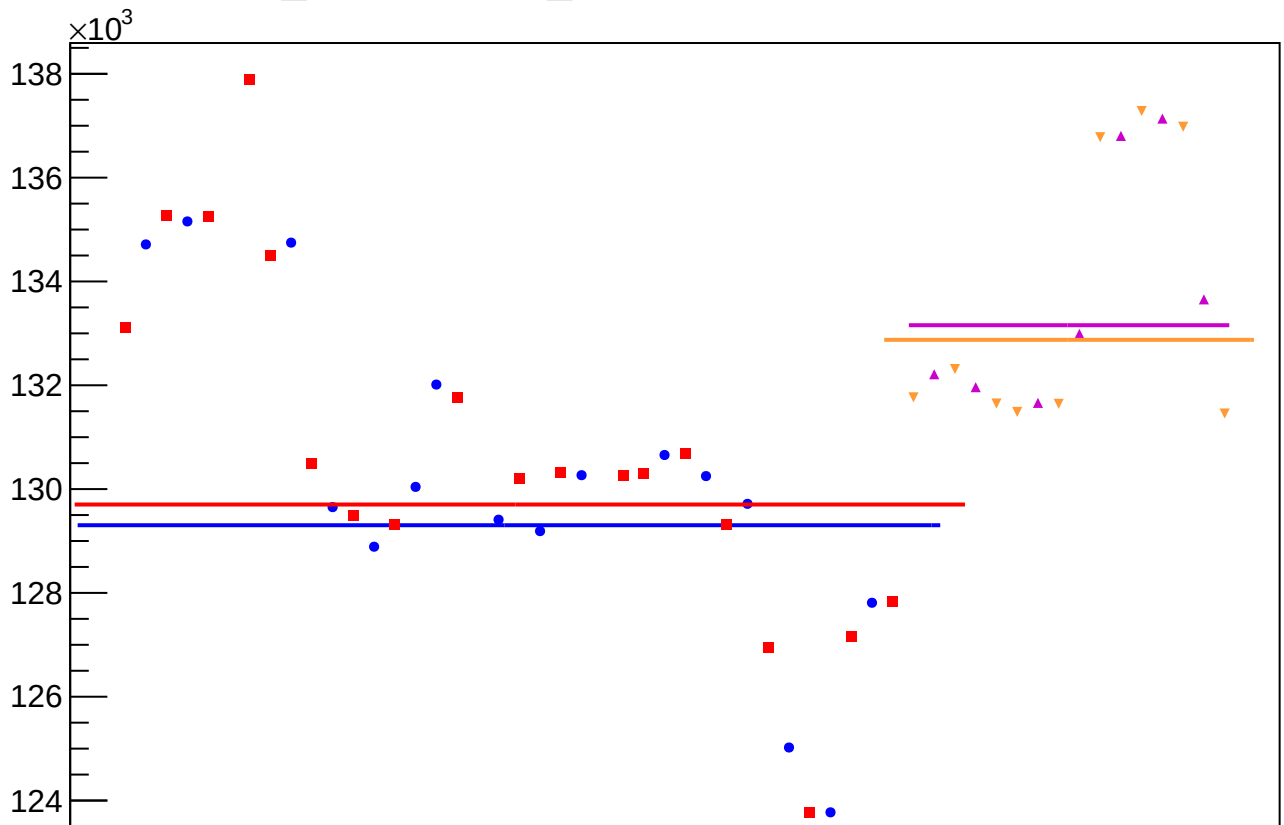
Left: 183.888+/-0.037 χ^2/NDF: 425375.7/15

Right: 169.633+/-0.034 χ^2/NDF: 2636327.1/34

In: 179.590+/-0.036 χ^2/NDF:1413140.7/22

Out: 173.275+/-0.034 χ^2/NDF:1714419.1/27

All: 176.198+/-0.025 χ^2/NDF: 3143652.4/50



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 132875.576+/-0.072 χ^2/NDF:951338705.3/8

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

Left In: 133157.106+/-0.079 χ^2/NDF:550598729.1/6

Left: 133003.550+/-0.053 χ^2/NDF: 1508916301.9/1

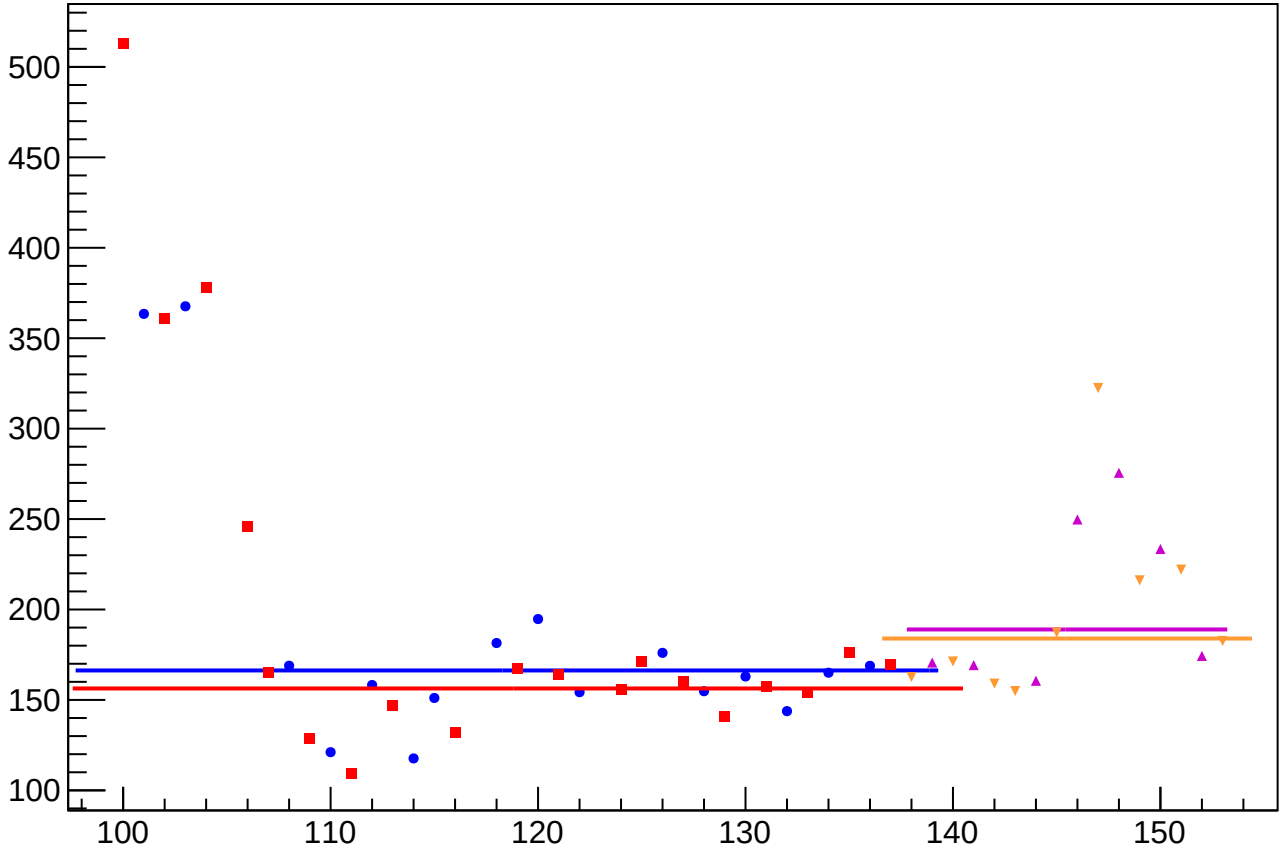
Right: 129517.750+/-0.045 χ^2/NDF: 3447412906.7/

In: 130900.457+/-0.051 χ^2/NDF:3604552031.5/22

Out: 131045.331+/-0.047 χ^2/NDF:3853975588.4/2

All: 130978.717+/-0.034 χ^2/NDF: 74629450

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 183.955+/-0.051 χ^2/NDF:496304.6/8

Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 188.958+/-0.056 χ^2/NDF:436682.8/6

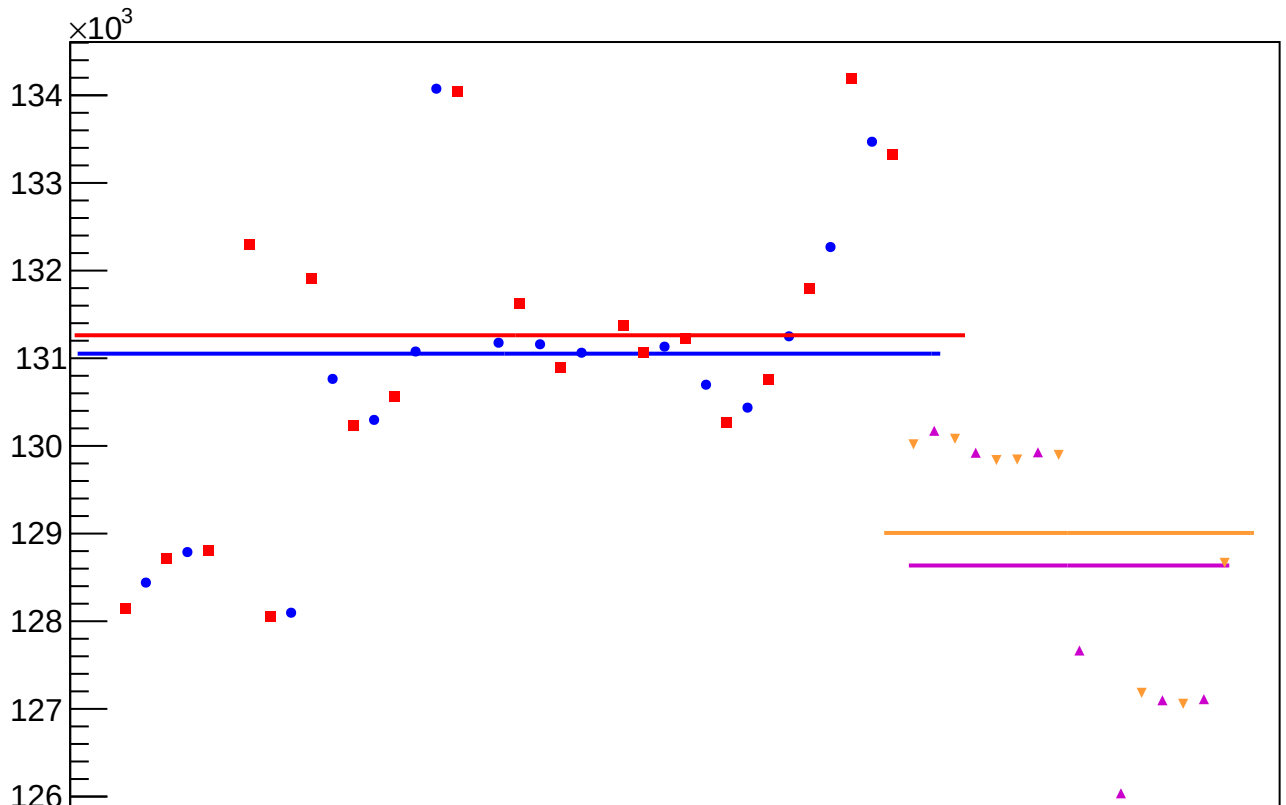
Left: 186.229+/-0.038 χ^2/NDF: 937394.9/15

Right: 160.955+/-0.032 χ^2/NDF: 2135107.2/34

In: 175.690+/-0.036 χ^2/NDF:1471682.3/22

Out: 168.023+/-0.033 χ^2/NDF:1839621.9/27

All: 171.548+/-0.024 χ^2/NDF: 3336046.3/50



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 129007.149+/-0.067 χ^2/NDF:401183141.0/8

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

Left In: 128635.952+/-0.074 χ^2/NDF:432579536.8/6

Left: 128838.742+/-0.050 χ^2/NDF: 847515362.6/15

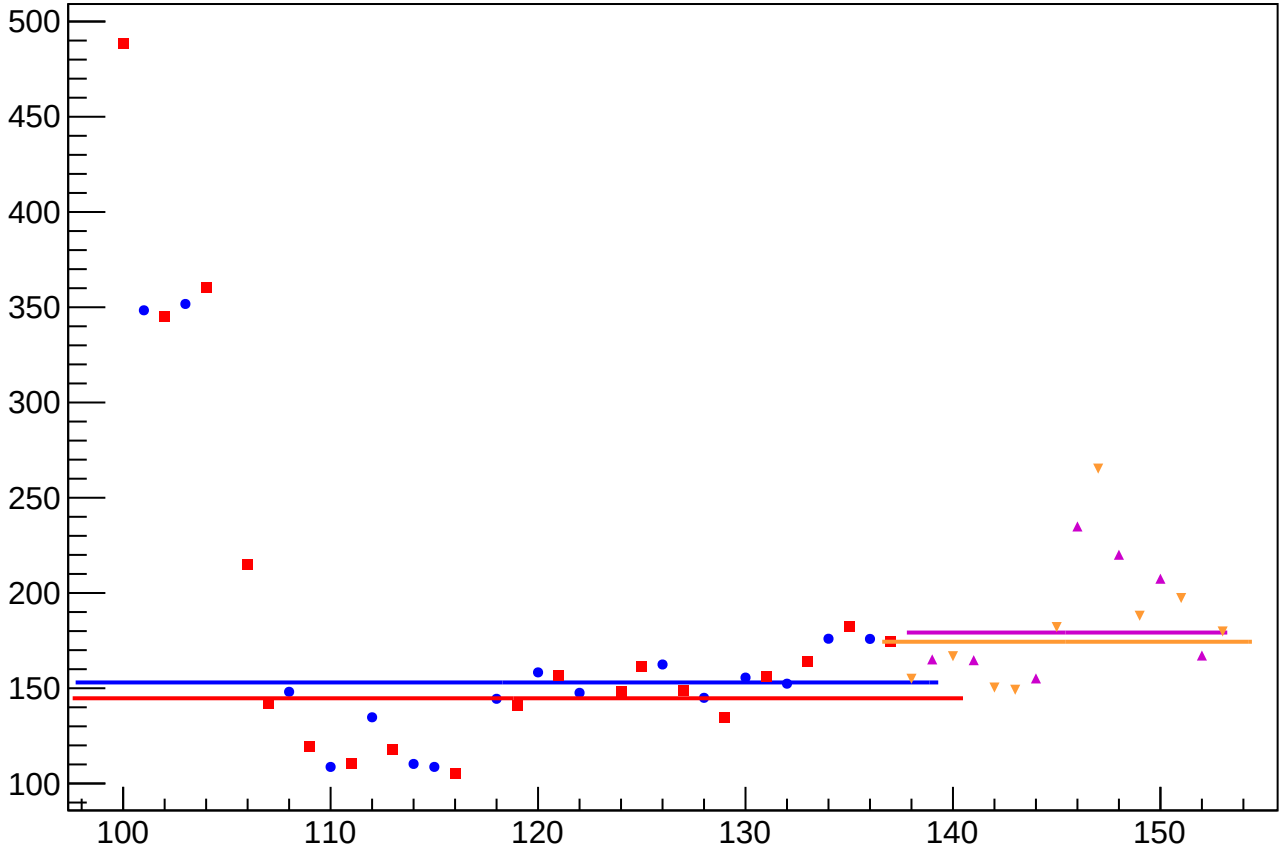
Right: 131164.431+/-0.041 χ^2/NDF: 1134382049.3/

In: 130081.355+/-0.047 χ^2/NDF:1594419392.9/22

Out: 130328.705+/-0.043 χ^2/NDF:1661112526.0/2

All: 130214.663+/-0.032 χ^2/NDF: 32705231

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 174.407+/-0.048 χ^2/NDF:321656.8/8

Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 179.240+/-0.052 χ^2/NDF:263890.3/6

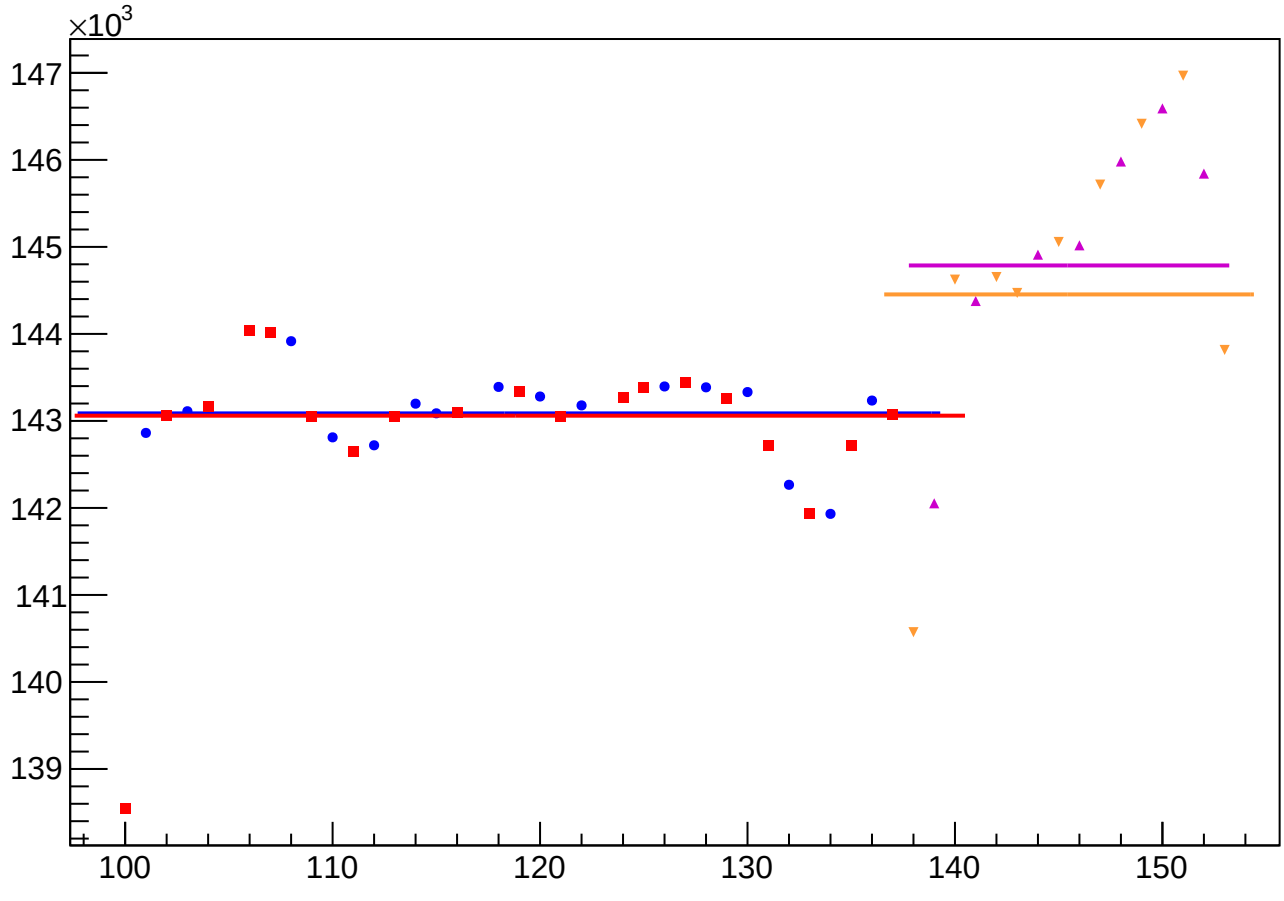
Left: 176.600+/-0.035 χ^2/NDF: 590210.1/15

Right: 148.605+/-0.029 χ^2/NDF: 2342954.4/34

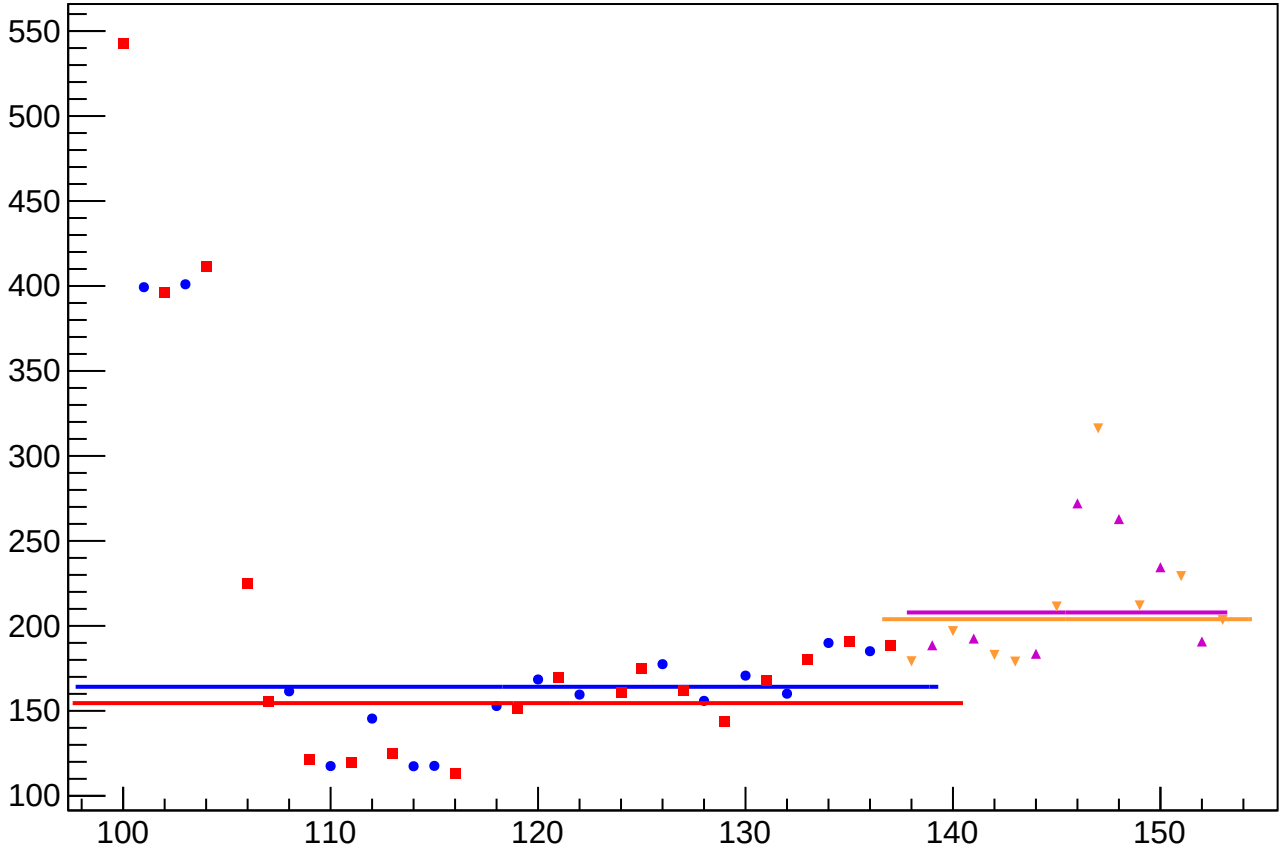
In: 163.570+/-0.033 χ^2/NDF:1473362.6/22

Out: 157.016+/-0.031 χ^2/NDF:1812172.3/27

All: 160.038+/-0.023 χ^2/NDF: 3306588.4/50


yield_bpm0l07WS_mean vs Slug, Sign Corrected
×10^3
147
146
145
144
143
142
141
140
139
100
110
120
130
140
150
Right In: 143086.477+/-0.065 χ²/NDF: 46726277.8/15
Left Out: 144453.844+/-0.079 χ²/NDF:548026232.2/8
Right Out: 143060.268+/-0.061 χ²/NDF: 51715744.7/18
Left In: 144786.671+/-0.086 χ²/NDF:274855316.6/6
Left: 144606.336+/-0.058 χ²/NDF: 831000659.9/15
Right: 143072.451+/-0.044 χ²/NDF: 98528807.3/34
In: 143705.806+/-0.052 χ²/NDF:570169945.5/22
Out: 143576.579+/-0.048 χ²/NDF:795312267.9/27
All: 143636.331+/-0.035 χ²/NDF: 13688162

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 203.945+/-0.056 χ^2/NDF:303354.1/8

Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 207.903+/-0.061 χ^2/NDF:263443.9/6

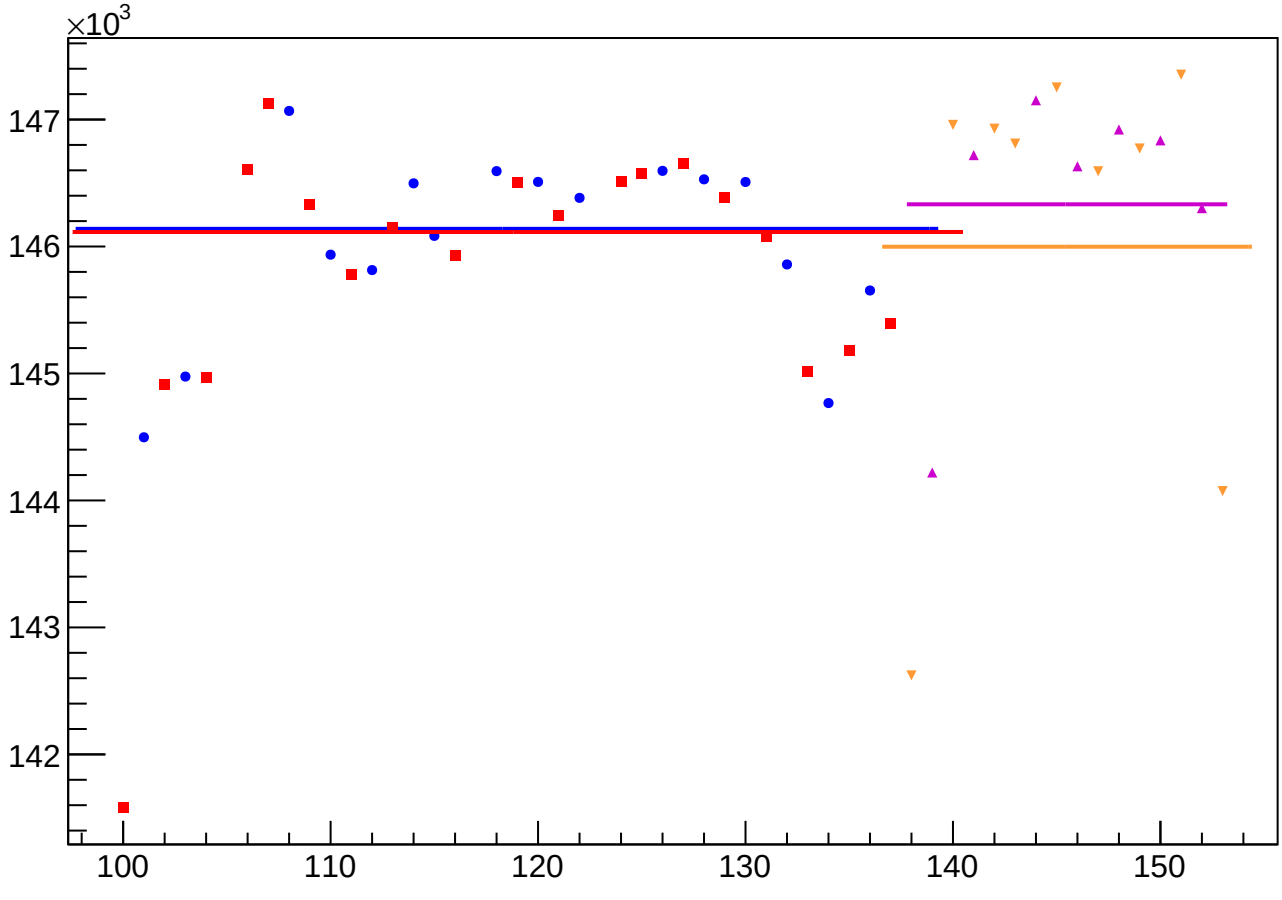
Left: 205.759+/-0.041 χ^2/NDF: 569093.9/15

Right: 159.024+/-0.031 χ^2/NDF: 2519924.8/34

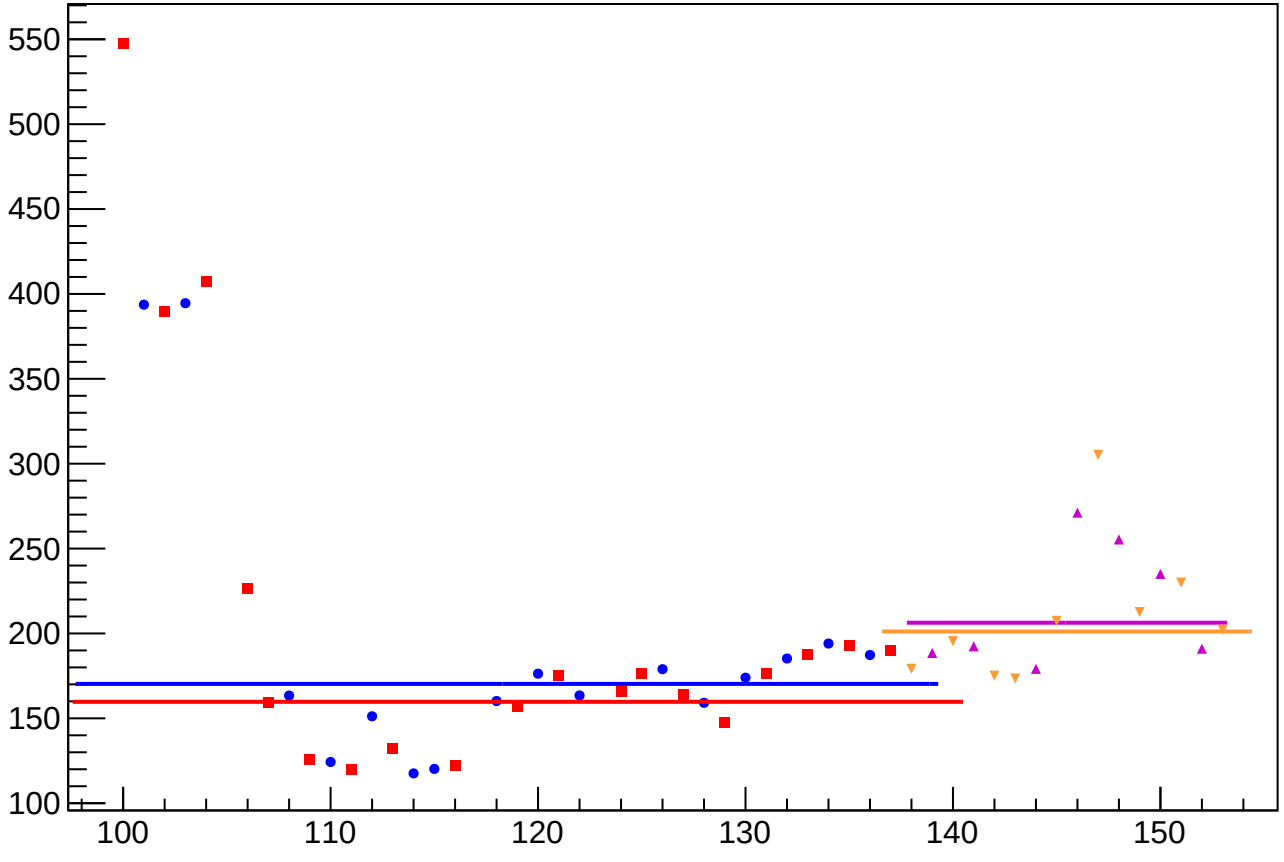
In: 180.098+/-0.037 χ^2/NDF:1722209.7/22

Out: 172.856+/-0.034 χ^2/NDF:2161438.4/27

All: 176.205+/-0.025 χ^2/NDF: 3904594.2/50


yield_bpm0l08WS_mean vs Slug, Sign Corrected
×10^3
147
146
145
144
143
142
100
110
120
130
140
150
Right In: 146139.237+/-0.067 χ²/NDF: 71721843.8/15
Left Out: 145998.292+/-0.078 χ²/NDF:459101186.9/8
Right Out: 146114.458+/-0.062 χ²/NDF: 73102068.4/18
Left In: 146332.400+/-0.085 χ²/NDF:136154042.9/6
Left: 146150.110+/-0.058 χ²/NDF: 603614849.6/15
Right: 146125.912+/-0.046 χ²/NDF: 144896615.7/3
In: 146213.412+/-0.053 χ²/NDF:211030618.4/22
Out: 146068.980+/-0.049 χ²/NDF:533556588.9/27
All: 146135.302+/-0.036 χ²/NDF: 74861970

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 201.149+/-0.055 χ^2/NDF:305241.7/8

Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 206.317+/-0.060 χ^2/NDF:260535.2/6

Left: 203.497+/-0.041 χ^2/NDF: 569777.6/15

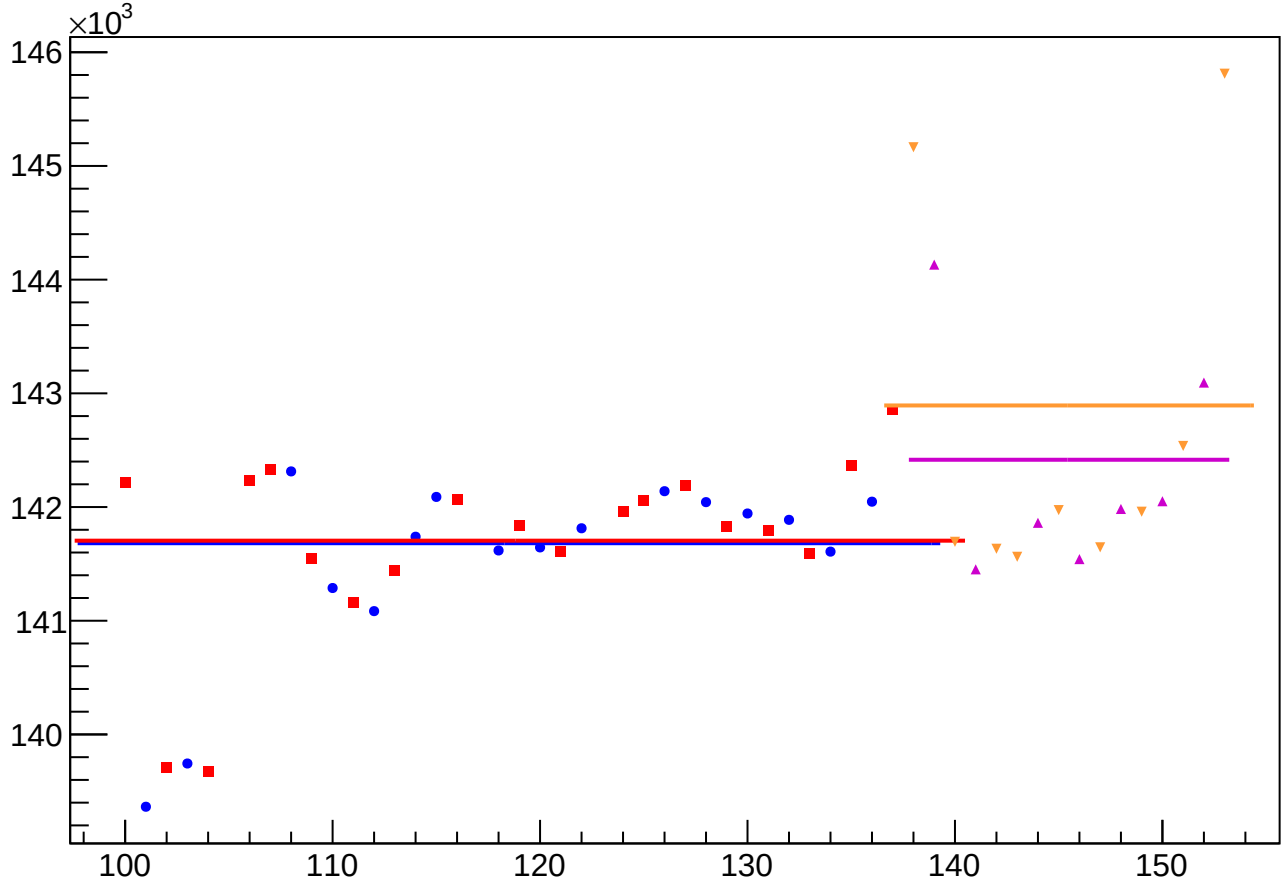
Right: 164.603+/-0.032 χ^2/NDF: 2375303.6/34

In: 184.117+/-0.037 χ^2/NDF:1537787.8/22

Out: 175.941+/-0.034 χ^2/NDF:1940716.2/27

All: 179.696+/-0.025 χ^2/NDF: 3504348.5/50

yield_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 142893.470+/-0.083 χ^2/NDF:385944219.3/8

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

Left In: 142415.842+/-0.091 χ^2/NDF:106209713.7/6

Left: 142674.856+/-0.061 χ^2/NDF: 507142386.5/15

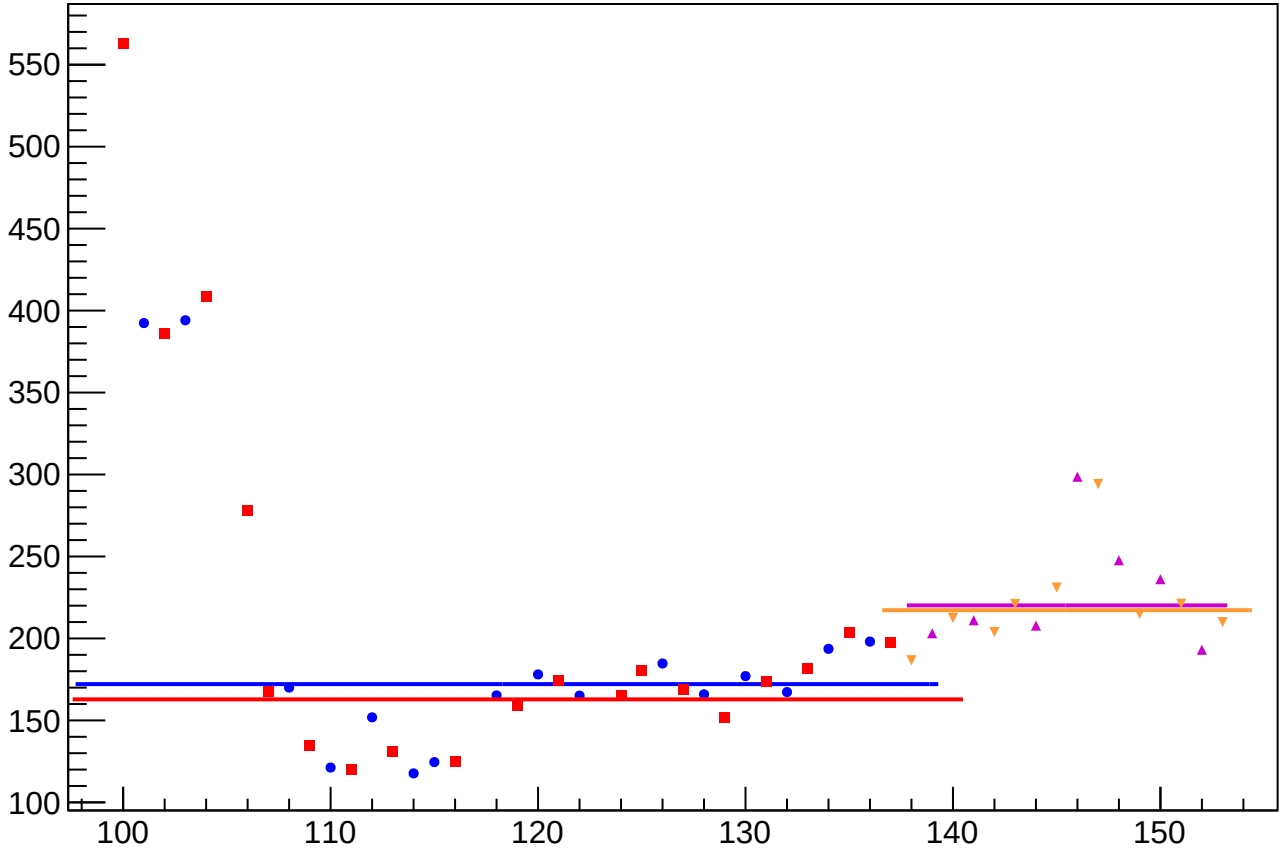
Right: 141693.772+/-0.047 χ^2/NDF: 129876966.3/3

In: 141946.739+/-0.055 χ^2/NDF:212219037.7/22

Out: 142142.743+/-0.051 χ^2/NDF:579632926.8/27

All: 142051.980+/-0.037 χ^2/NDF: 79877697

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 217.234+/-0.059 χ^2/NDF:166376.8/8

Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 220.164+/-0.064 χ^2/NDF:201993.2/6

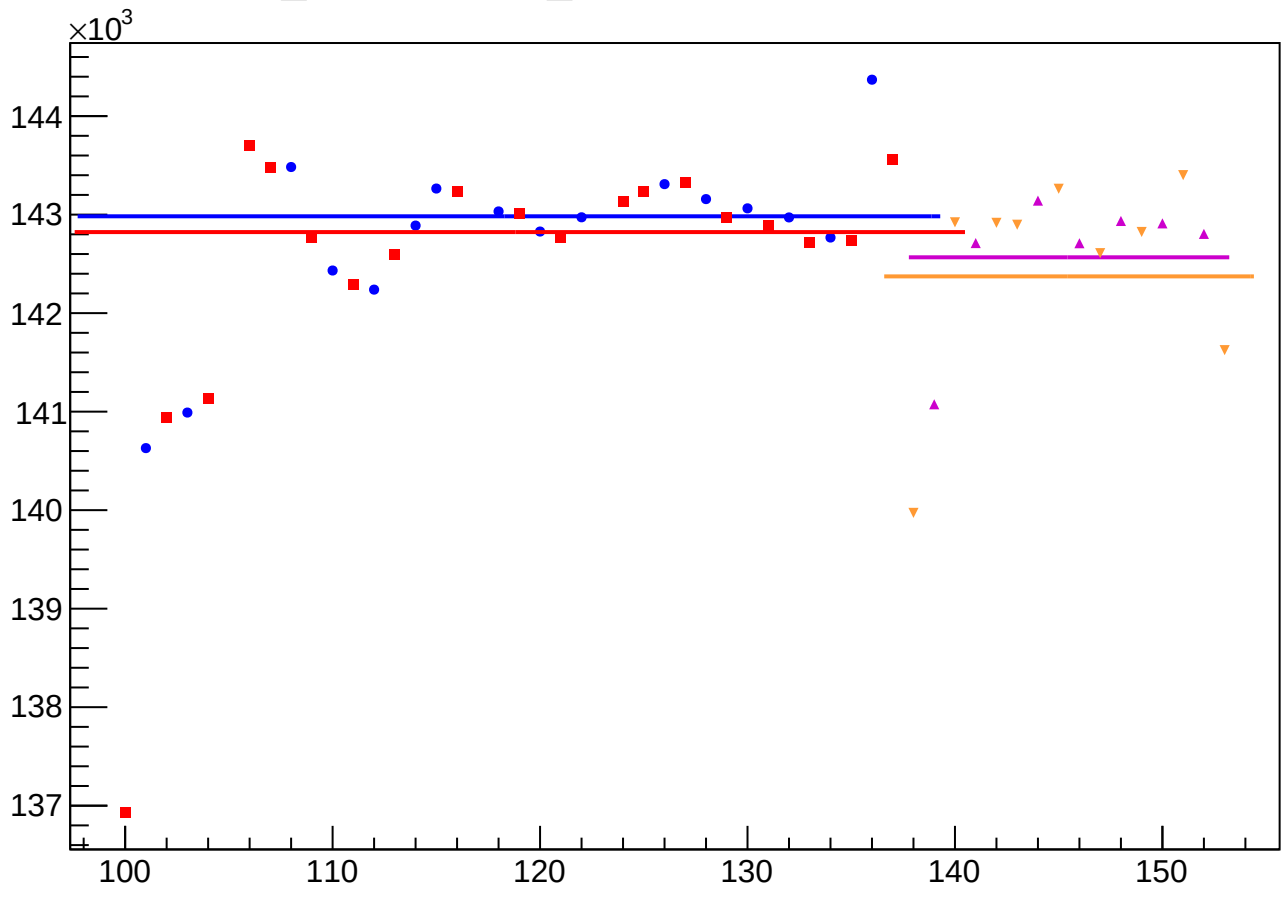
Left: 218.575+/-0.043 χ^2/NDF: 369498.2/15

Right: 167.177+/-0.033 χ^2/NDF: 2394232.5/34

In: 189.471+/-0.039 χ^2/NDF:1627763.9/22

Out: 182.901+/-0.036 χ^2/NDF:2008333.3/27

All: 185.943+/-0.026 χ^2/NDF: 3651657.0/50



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142372.979+/-0.076 χ^2/NDF:212963215.5/8

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

Left In: 142566.718+/-0.084 χ^2/NDF:70879138.6/6

Left: 142460.955+/-0.056 χ^2/NDF: 286760899.5/15

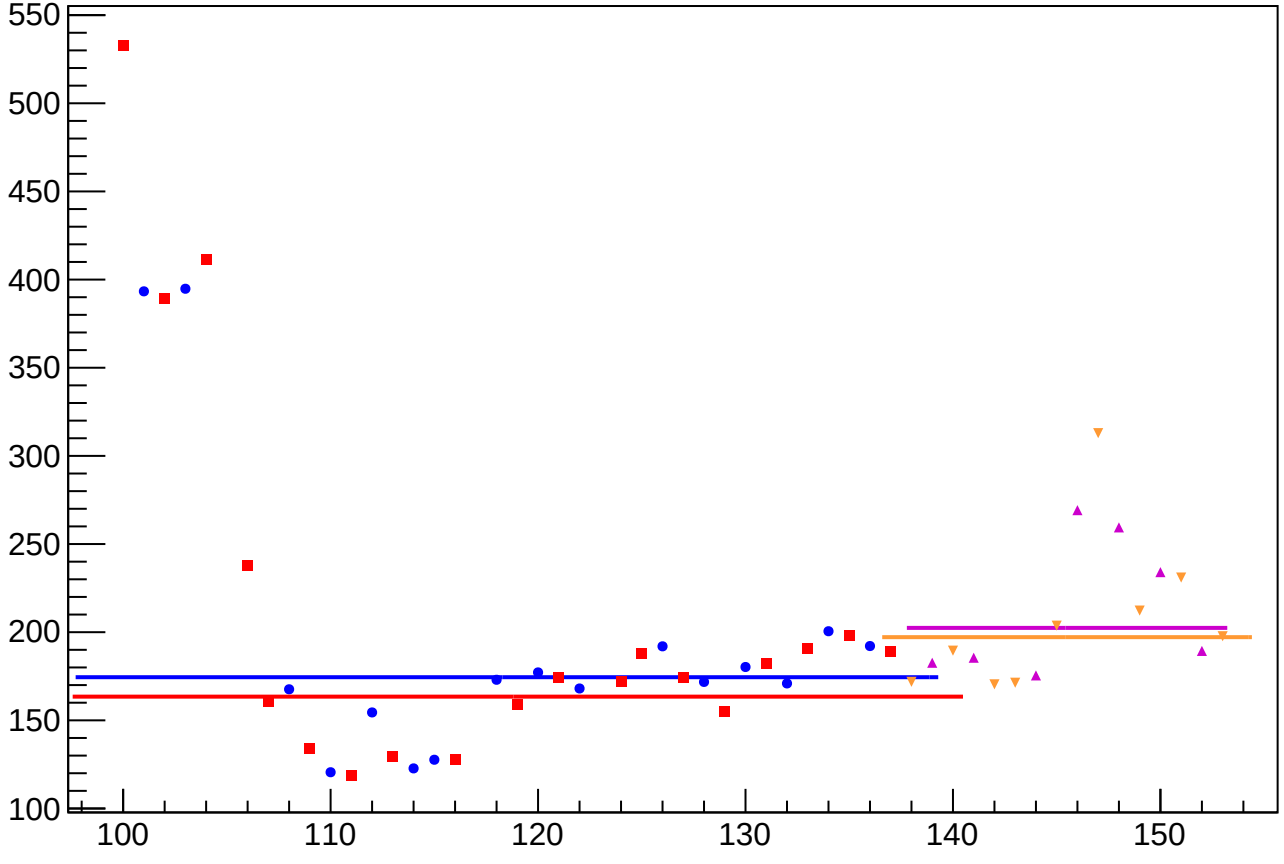
Right: 142896.762+/-0.047 χ^2/NDF: 174171580.7/3

In: 142814.464+/-0.053 χ^2/NDF:193265133.3/22

Out: 142637.215+/-0.049 χ^2/NDF:296893587.0/27

All: 142718.522+/-0.036 χ^2/NDF: 496141373

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 197.181+/-0.054 χ^2/NDF:361602.4/8

Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 202.441+/-0.059 χ^2/NDF:301118.6/6

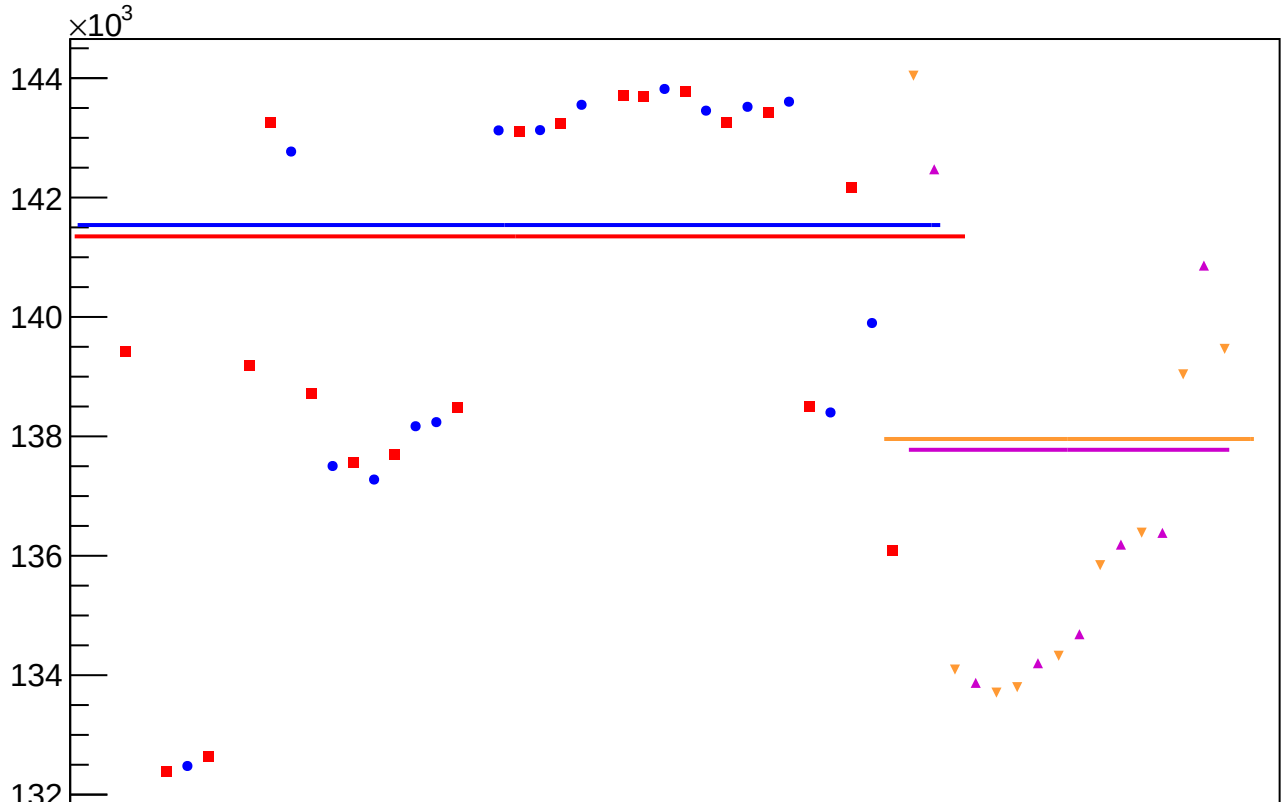
Left: 199.570+/-0.040 χ^2/NDF: 667024.8/15

Right: 168.538+/-0.033 χ^2/NDF: 2358977.1/34

In: 185.793+/-0.038 χ^2/NDF:1482917.4/22

Out: 177.362+/-0.035 χ^2/NDF:1873042.4/27

All: 181.230+/-0.026 χ^2/NDF: 3383029.8/50



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 137956.118+/-0.121 χ^2/NDF:1096896259.0/8

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

Left In: 137775.242+/-0.131 χ^2/NDF:731737247.8/6

Left: 137873.255+/-0.089 χ^2/NDF: 1829664707.5/1

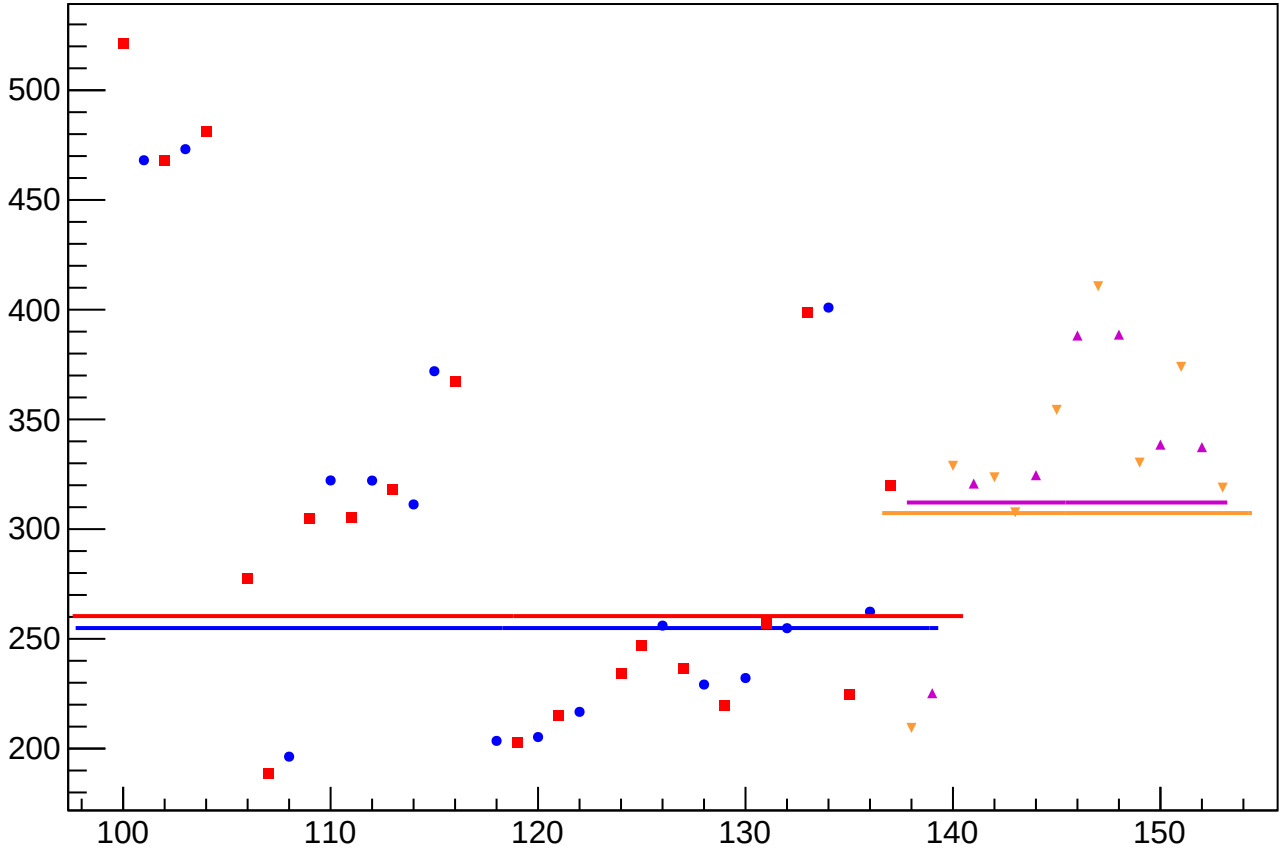
Right: 141444.713+/-0.071 χ^2/NDF: 1876176691.0/

In: 140140.981+/-0.080 χ^2/NDF:2197470781.4/22

Out: 139949.160+/-0.077 χ^2/NDF:2488878106.9/2

All: 140042.057+/-0.056 χ^2/NDF: 46893198

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 307.325+/-0.085 χ^2/NDF:529385.0/8

Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 312.131+/-0.093 χ^2/NDF:390841.0/6

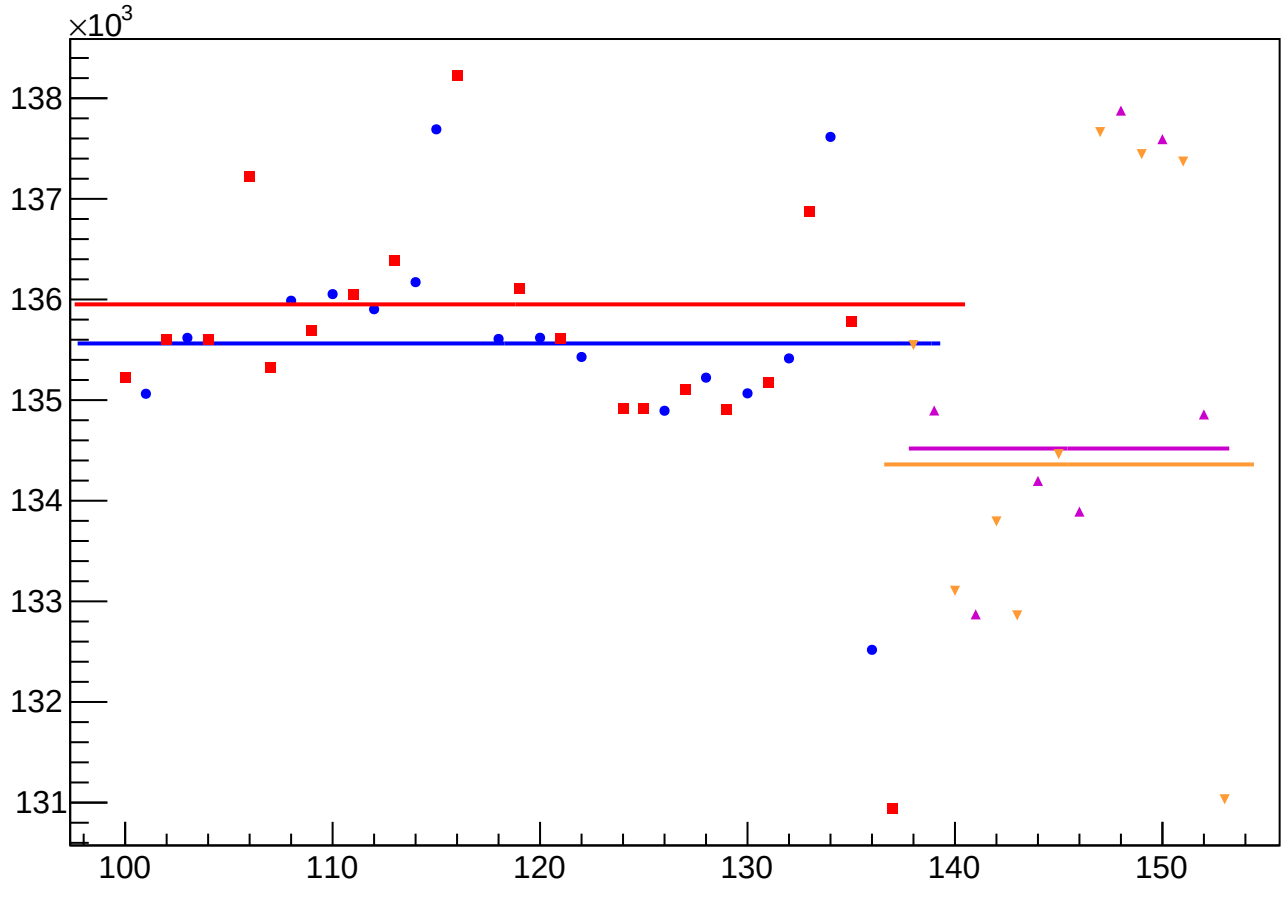
Left: 309.527+/-0.063 χ^2/NDF: 921682.2/15

Right: 257.637+/-0.050 χ^2/NDF: 1946167.7/34

In: 276.175+/-0.057 χ^2/NDF:1580112.6/22

Out: 279.746+/-0.055 χ^2/NDF:1700887.3/27

All: 278.016+/-0.039 χ^2/NDF: 3283059.7/50



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 134360.830+/-0.091 χ^2/NDF:395829970.9/8

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

Left In: 134518.943+/-0.100 χ^2/NDF:196181703.0/6

Left: 134431.786+/-0.067 χ^2/NDF: 593380699.3/15

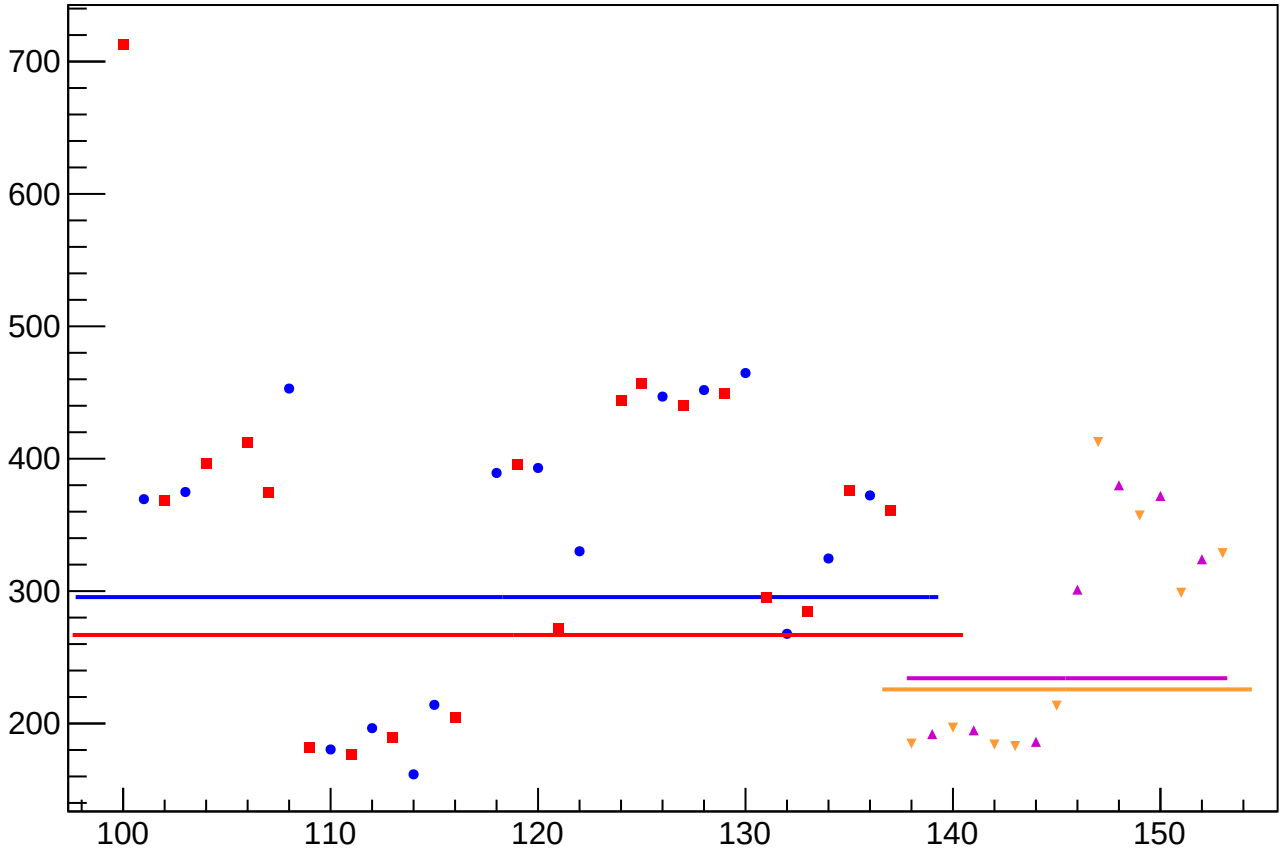
Right: 135777.958+/-0.079 χ^2/NDF: 191705440.0/3

In: 134955.521+/-0.077 χ^2/NDF:335636646.1/22

Out: 135029.097+/-0.069 χ^2/NDF:617120234.7/27

All: 134996.141+/-0.051 χ^2/NDF: 95326147

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 225.773+/-0.064 χ^2/NDF:1056831.0/8

Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 234.189+/-0.071 χ^2/NDF:963723.4/6

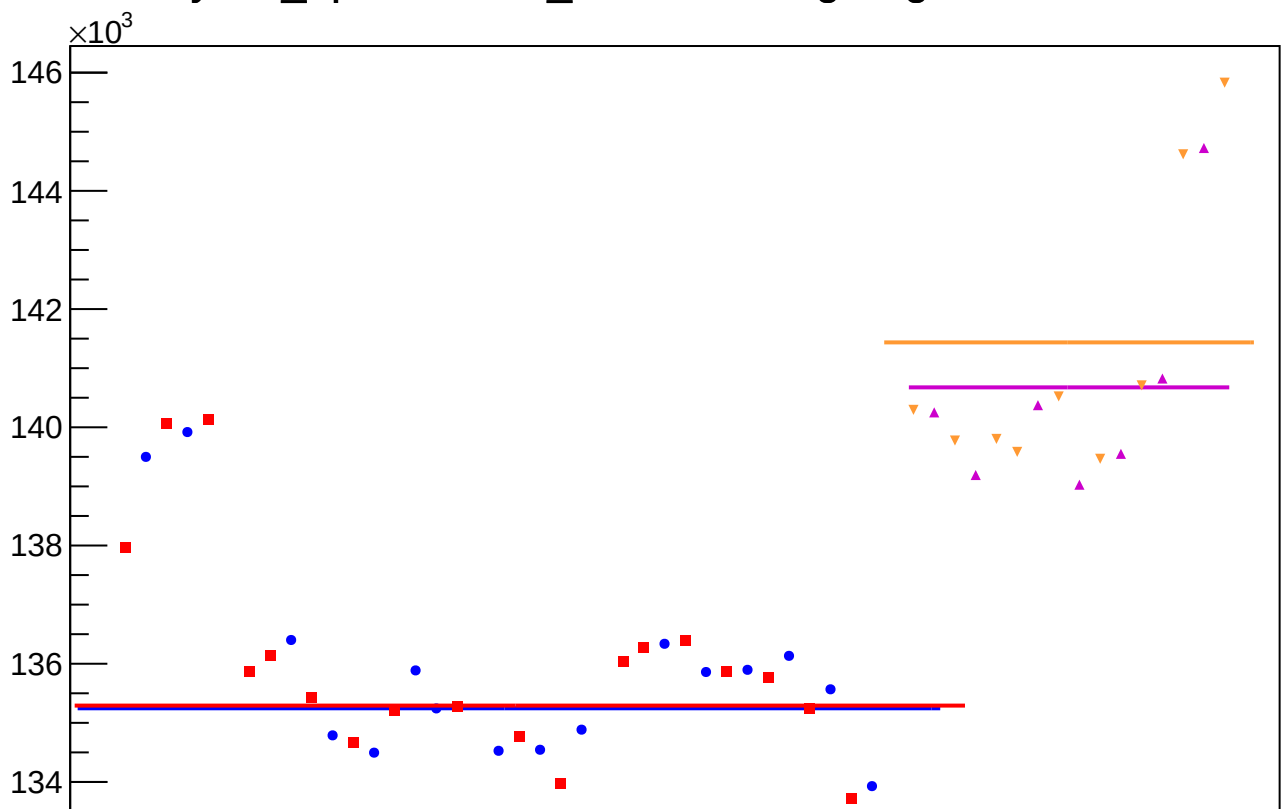
Left: 229.550+/-0.048 χ^2/NDF: 2028313.1/15

Right: 279.649+/-0.056 χ^2/NDF: 3185297.4/34

In: 259.817+/-0.054 χ^2/NDF:2718359.4/22

Out: 243.036+/-0.049 χ^2/NDF:2908030.2/27

All: 250.553+/-0.036 χ^2/NDF: 5679479.8/50



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 141436.319+/-0.073 χ^2/NDF:1066963788.5/8

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

Left In: 140675.471+/-0.083 χ^2/NDF:502570083.4/6

Left: 141104.247+/-0.055 χ^2/NDF: 1617208992.2/1

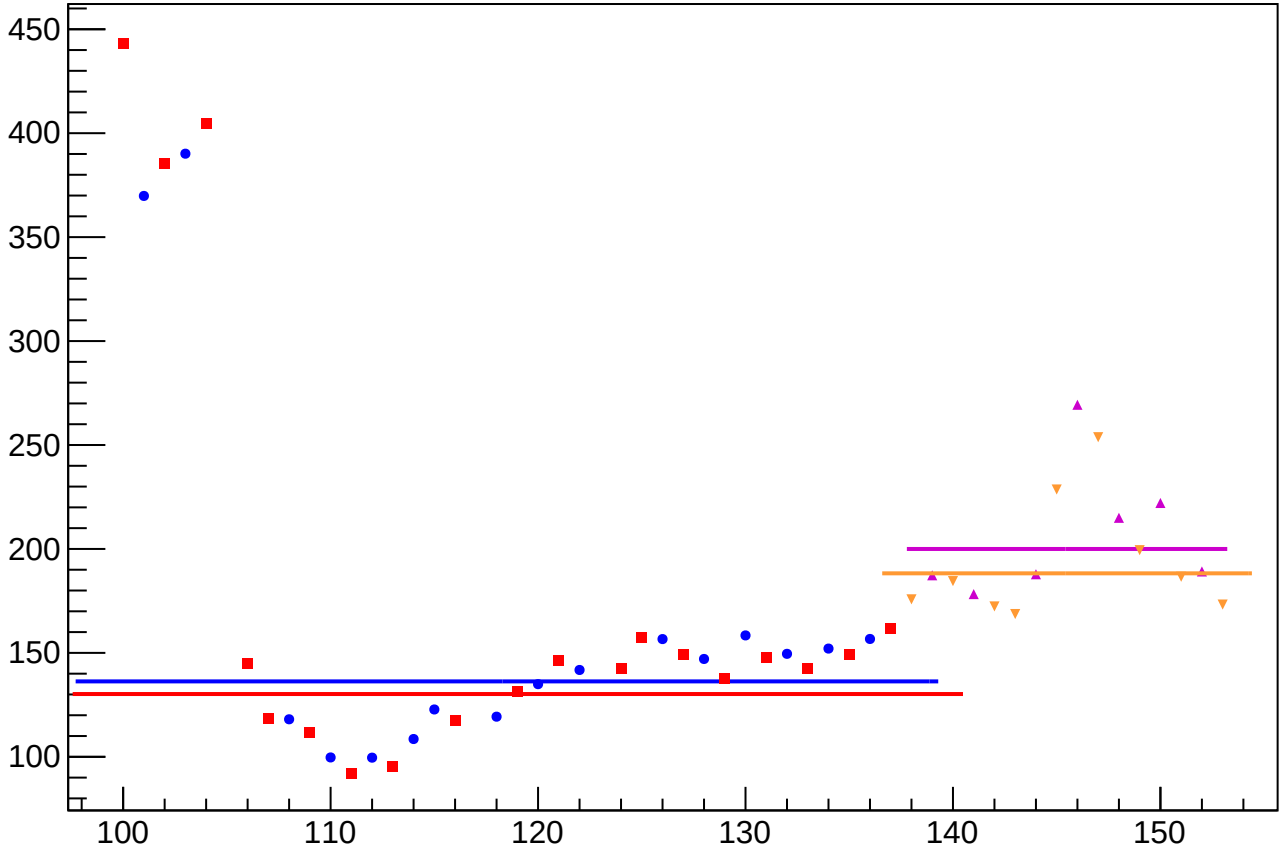
Right: 135270.332+/-0.038 χ^2/NDF: 770541555.9/3

In: 136898.912+/-0.046 χ^2/NDF:3887316413.6/22

Out: 137354.530+/-0.042 χ^2/NDF:6181313605.0/2

All: 137144.648+/-0.031 χ^2/NDF: 10122381

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 188.266+/-0.051 χ^2/NDF:206878.7/8

Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 199.988+/-0.058 χ^2/NDF:182767.5/6

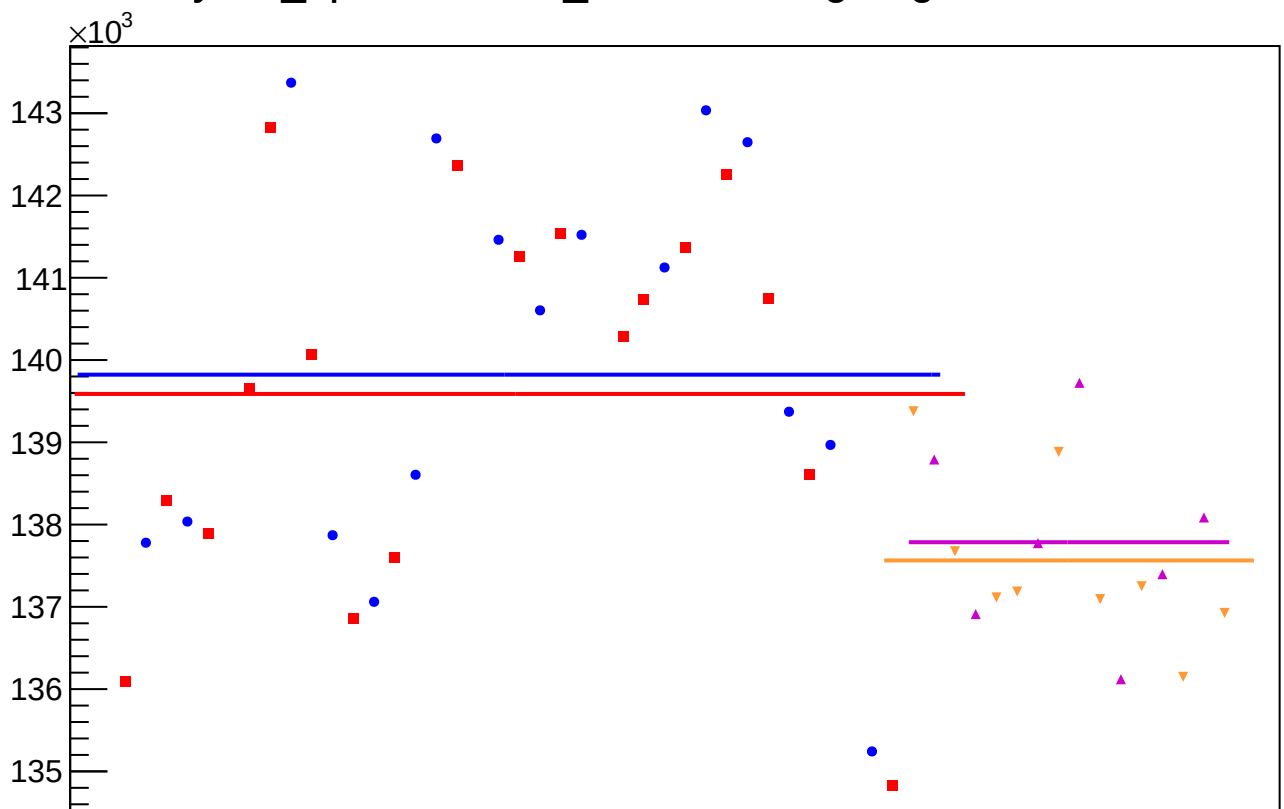
Left: 193.382+/-0.039 χ^2/NDF: 412279.0/15

Right: 133.076+/-0.027 χ^2/NDF: 2917928.2/34

In: 155.676+/-0.032 χ^2/NDF:2391864.0/22

Out: 149.696+/-0.030 χ^2/NDF:2572832.9/27

All: 152.451+/-0.022 χ^2/NDF: 4983214.3/50



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 137564.010+/-0.074 χ^2/NDF:175291420.8/8

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

Left In: 137785.697+/-0.083 χ^2/NDF:137655907.8/6

Left: 137662.566+/-0.055 χ^2/NDF: 316893000.3/15

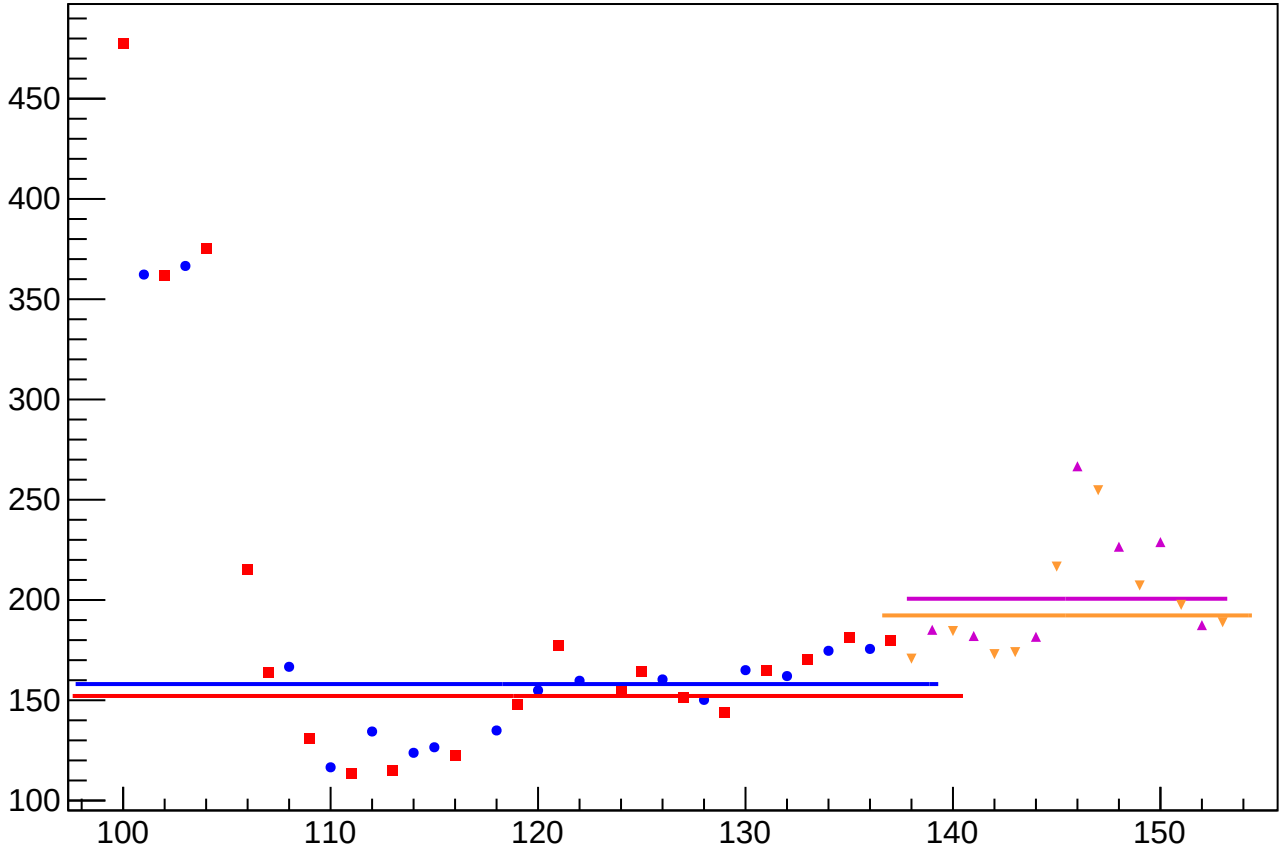
Right: 139699.515+/-0.043 χ^2/NDF: 3153646641.6/

In: 139085.845+/-0.050 χ^2/NDF:2183752758.6/22

Out: 138794.910+/-0.047 χ^2/NDF:2108113646.5/2

All: 138930.047+/-0.034 χ^2/NDF: 43099881

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 192.309+/-0.053 χ^2/NDF:181230.9/8

Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 200.626+/-0.059 χ^2/NDF:210411.5/6

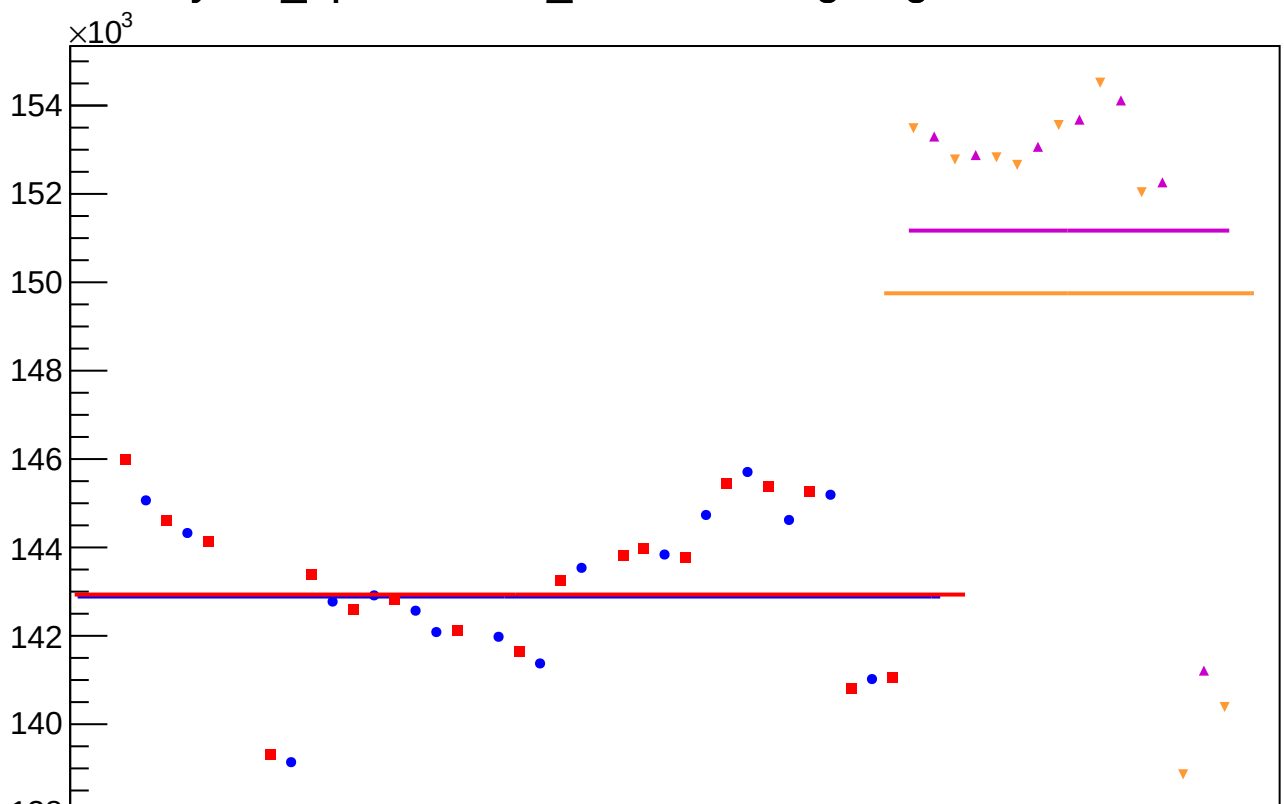
Left: 196.006+/-0.039 χ^2/NDF: 402751.1/15

Right: 154.970+/-0.031 χ^2/NDF: 2256411.8/34

In: 173.462+/-0.035 χ^2/NDF:1562461.7/22

Out: 167.878+/-0.033 χ^2/NDF:1764745.7/27

All: 170.472+/-0.024 χ^2/NDF: 3340561.5/50



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 149751.461+/-0.075 χ^2/NDF:6000990414.8/8

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

Left In: 151170.077+/-0.083 χ^2/NDF:2878942299.5/6

Left: 150386.445+/-0.056 χ^2/NDF: 9040728700.3/1

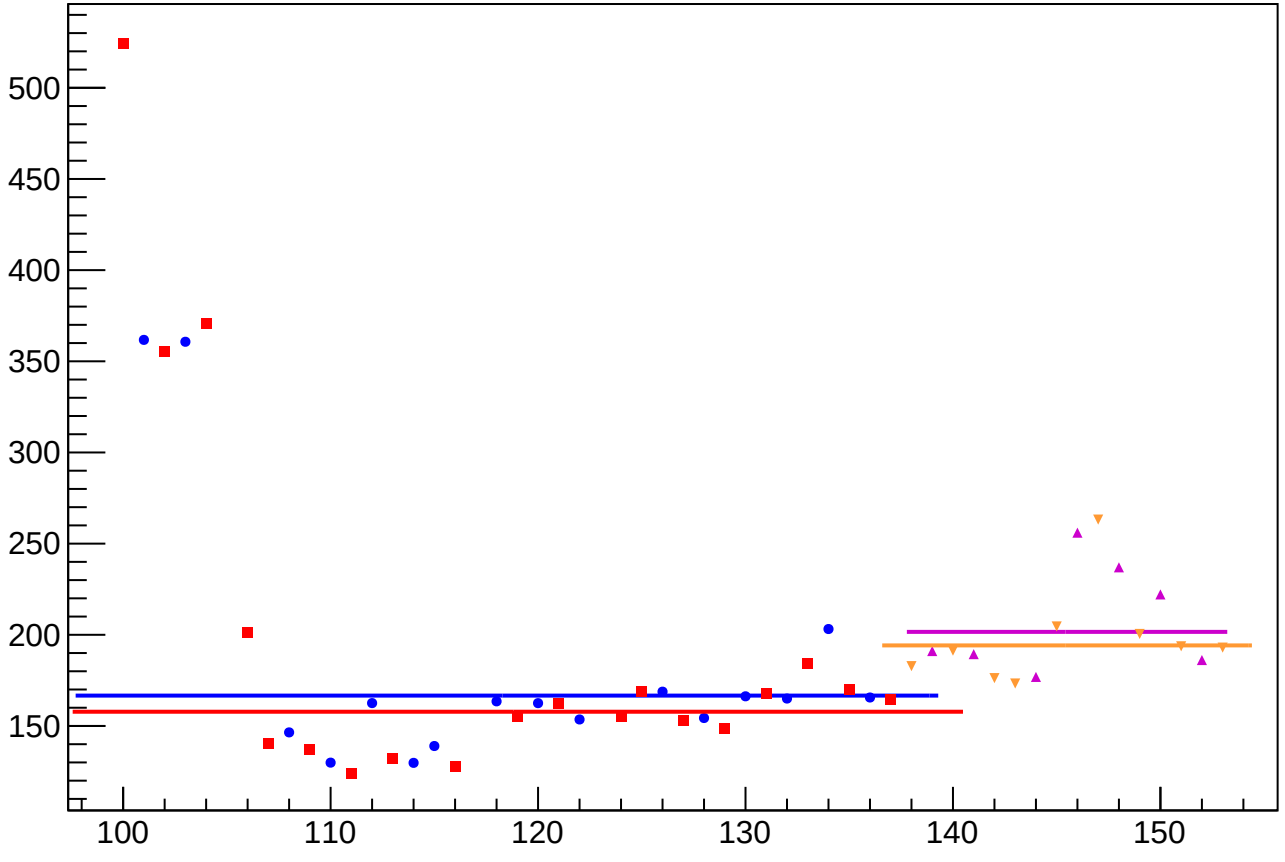
Right: 142913.088+/-0.045 χ^2/NDF: 1550935114.7/

In: 146071.324+/-0.052 χ^2/NDF:9749260332.8/22

Out: 145683.585+/-0.048 χ^2/NDF:11738830342.8

All: 145861.793+/-0.035 χ^2/NDF: 215186722

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 194.182+/-0.053 χ^2/NDF:155721.8/8

Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 201.606+/-0.059 χ^2/NDF:187796.9/6

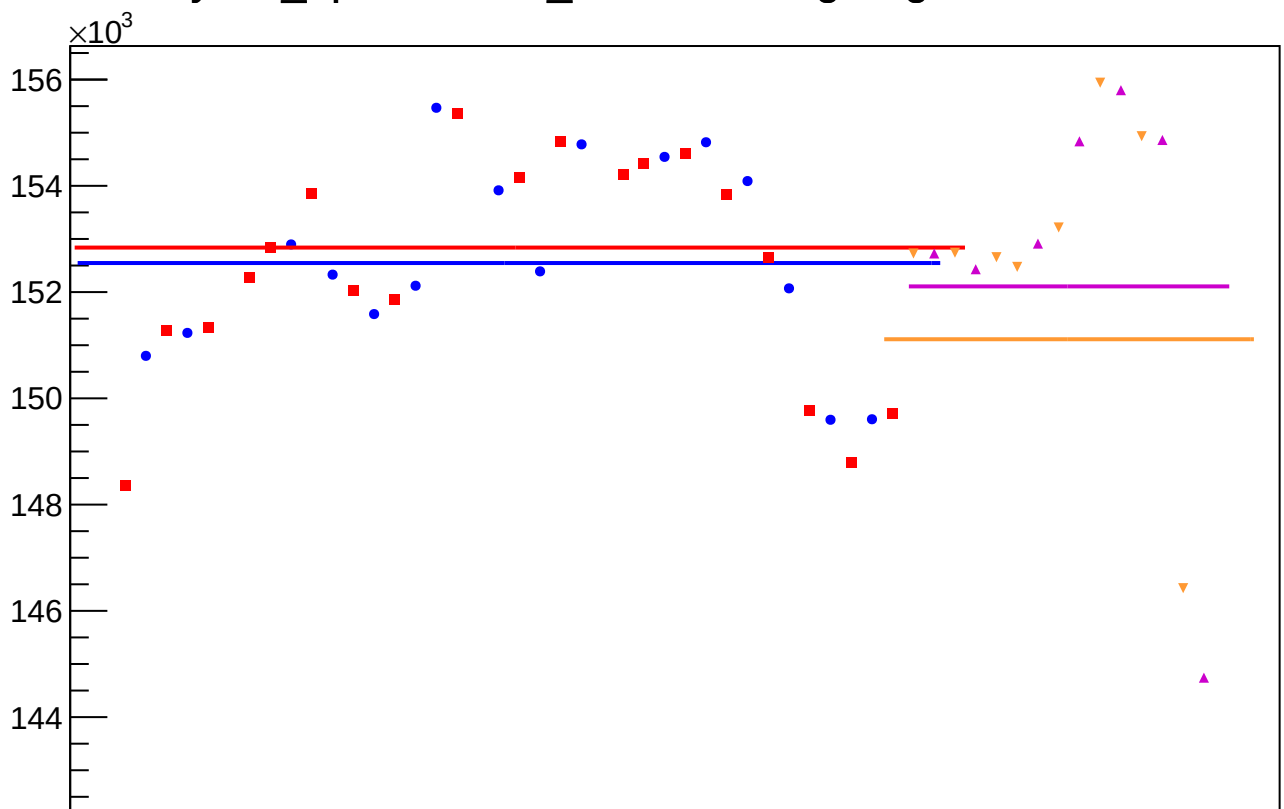
Left: 197.505+/-0.039 χ^2/NDF: 352325.1/15

Right: 161.945+/-0.032 χ^2/NDF: 1905231.4/34

In: 180.086+/-0.036 χ^2/NDF:1268944.1/22

Out: 172.479+/-0.034 χ^2/NDF:1459879.2/27

All: 175.975+/-0.025 χ^2/NDF: 2752364.1/50



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 151112.450+/-0.075 χ^2/NDF:3013897691.2/8

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 152107.141+/-0.084 χ^2/NDF:1717968798.6/6

Left: 151553.321+/-0.056 χ^2/NDF: 4809566584.2/1

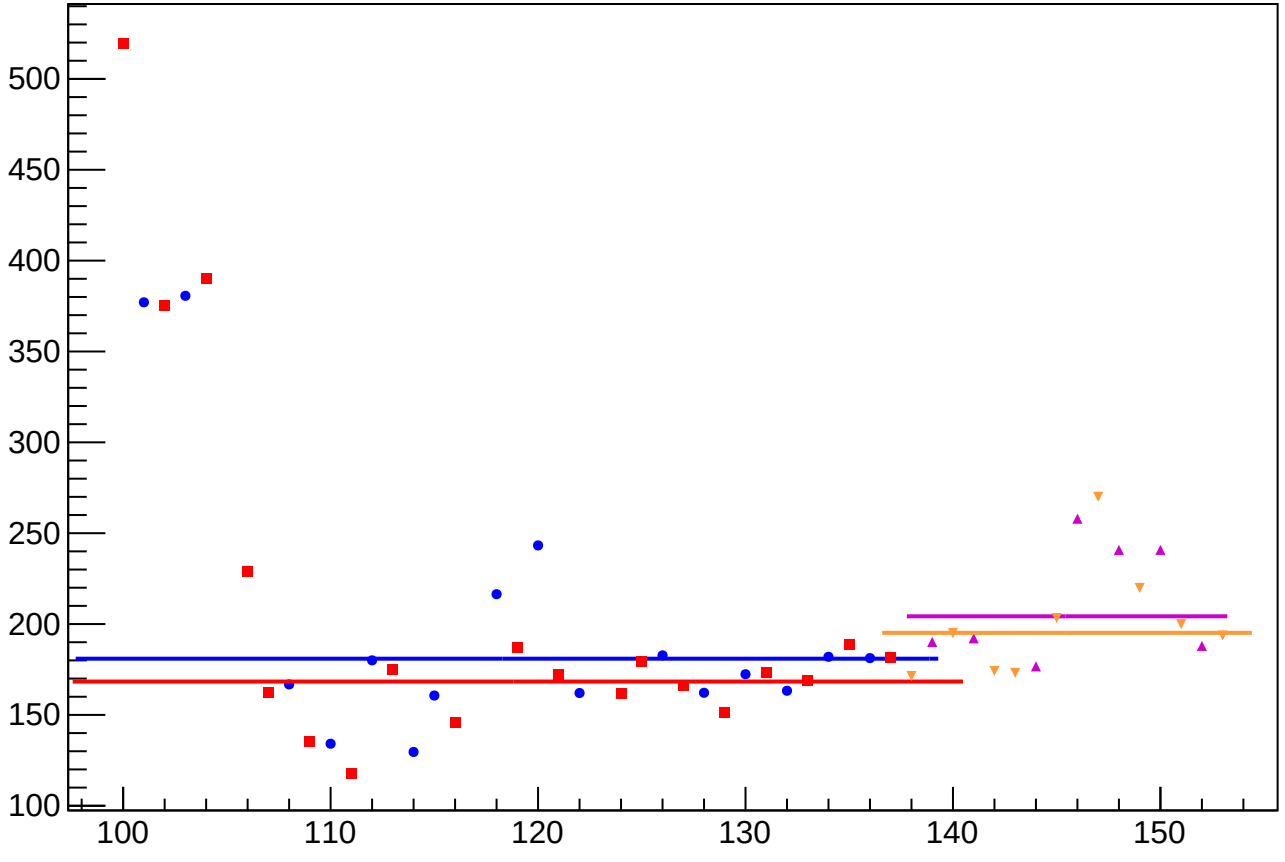
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 152359.334+/-0.055 χ^2/NDF:2388152042.7/22

Out: 152077.826+/-0.050 χ^2/NDF:4045937986.7/2

All: 152204.842+/-0.037 χ^2/NDF: 64484721

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 195.165+/-0.053 χ^2/NDF:217255.8/8

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 204.264+/-0.060 χ^2/NDF:225774.3/6

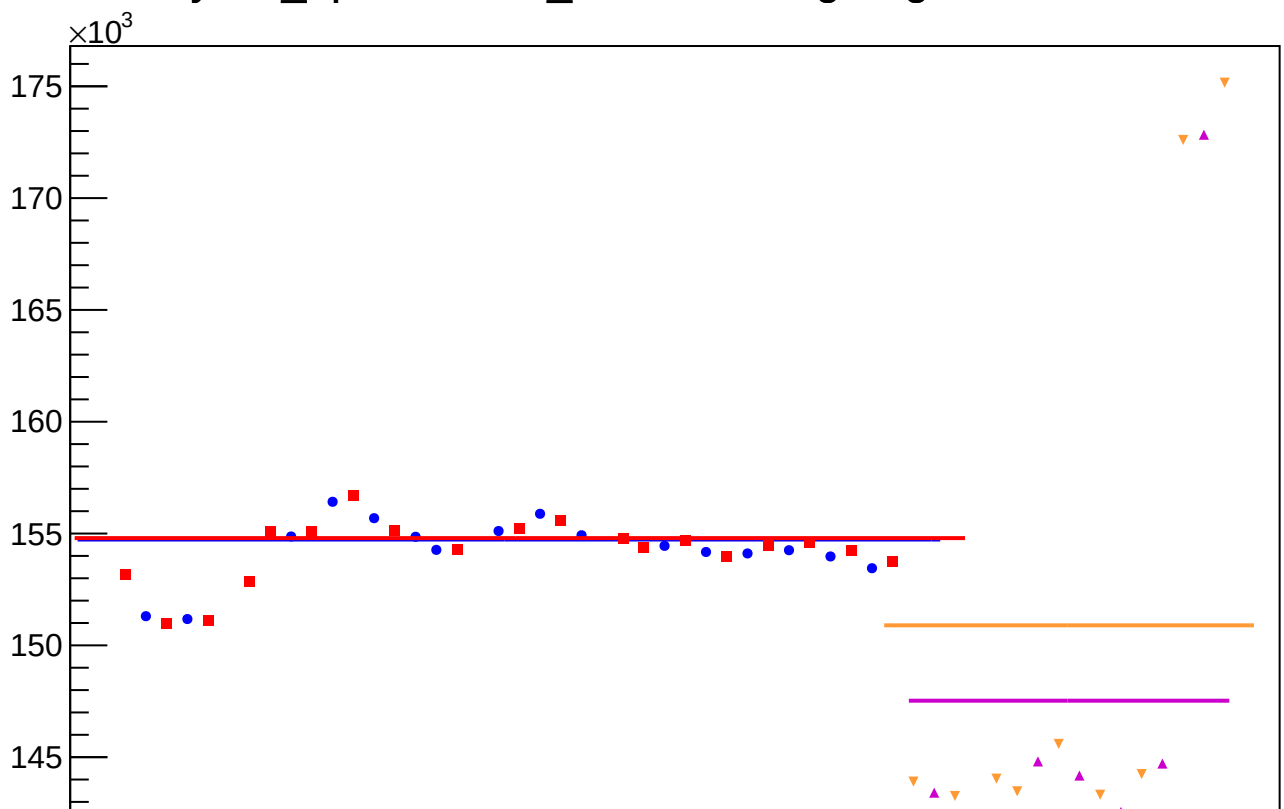
Left: 199.198+/-0.040 χ^2/NDF: 456034.5/15

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 190.887+/-0.039 χ^2/NDF:1221554.8/22

Out: 180.162+/-0.035 χ^2/NDF:1448919.2/27

All: 185.001+/-0.026 χ^2/NDF: 2712230.6/50



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 150895.487+/-0.068 χ^2/NDF:34597510715.9/8

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

Left In: 147525.707+/-0.075 χ^2/NDF:17733481984.3/6

Left: 149375.360+/-0.051 χ^2/NDF: 53424709572.9/

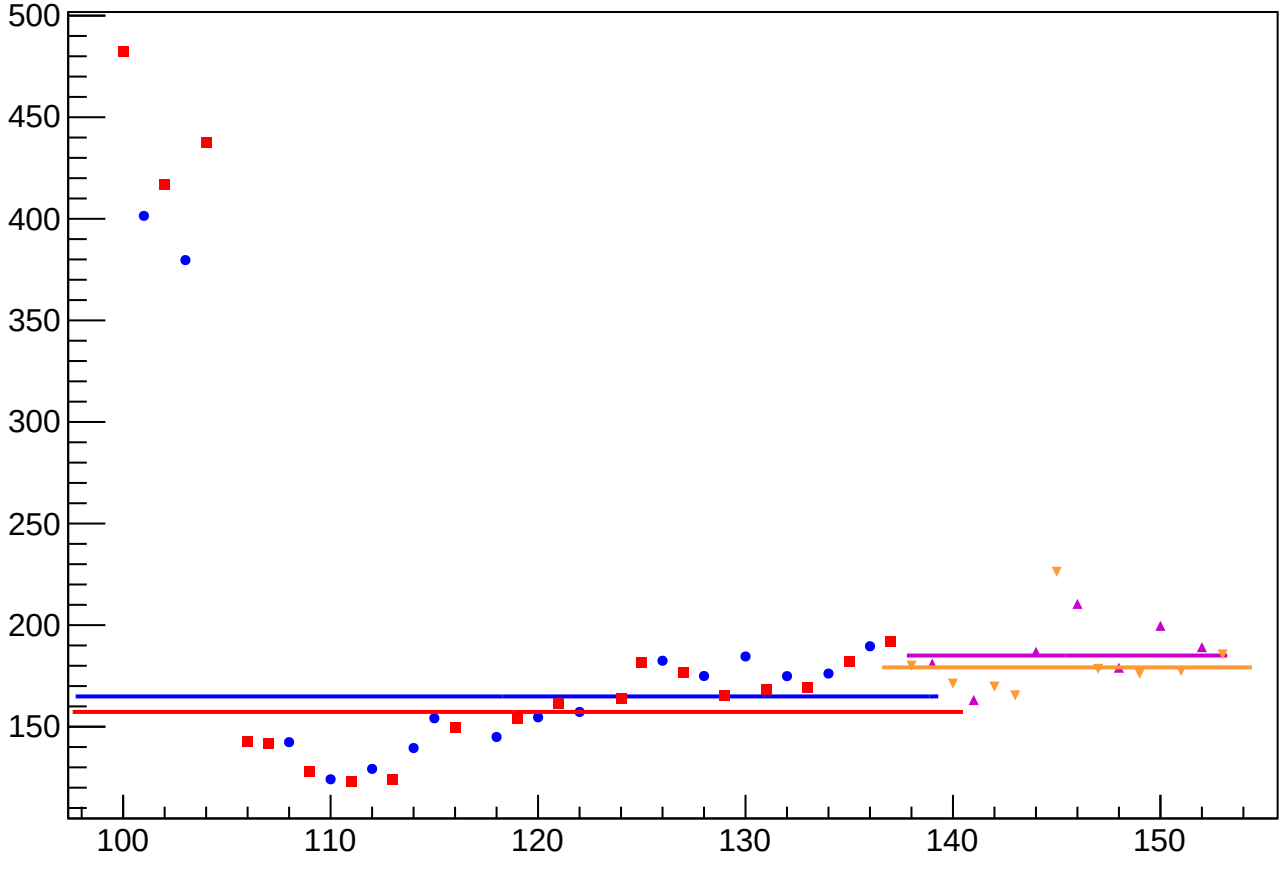
Right: 154766.574+/-0.045 χ^2/NDF: 579080682.1/3

In: 151654.068+/-0.049 χ^2/NDF:23229167859.8/2

Out: 153066.996+/-0.046 χ^2/NDF:36710036279.8

All: 152416.690+/-0.033 χ^2/NDF: 603817942

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 179.201+/-0.048 χ^2/NDF:89628.6/8

Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 185.041+/-0.053 χ^2/NDF:70046.5/6

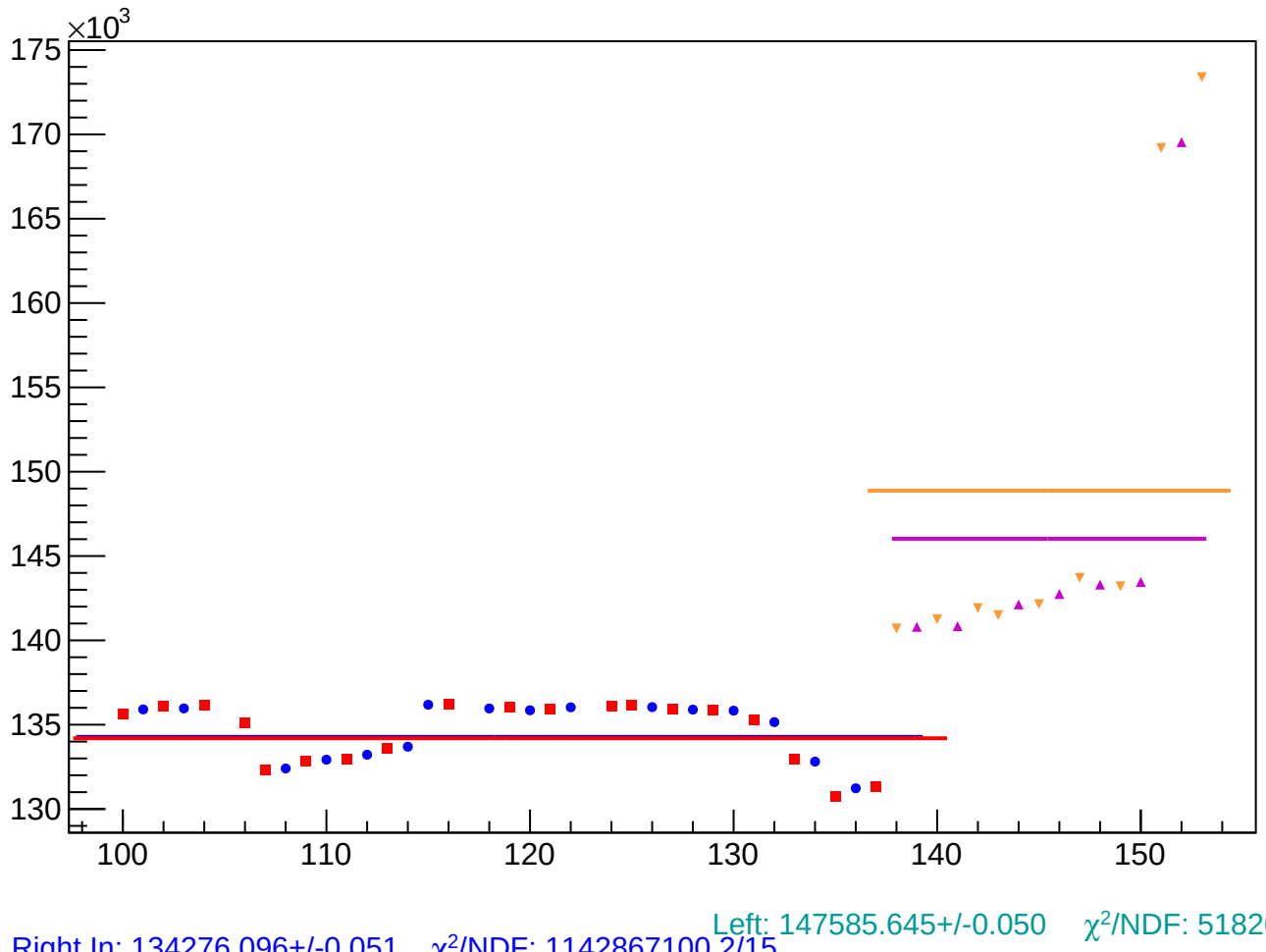
Left: 181.835+/-0.036 χ^2/NDF: 166243.5/15

Right: 160.846+/-0.032 χ^2/NDF: 2342128.6/34

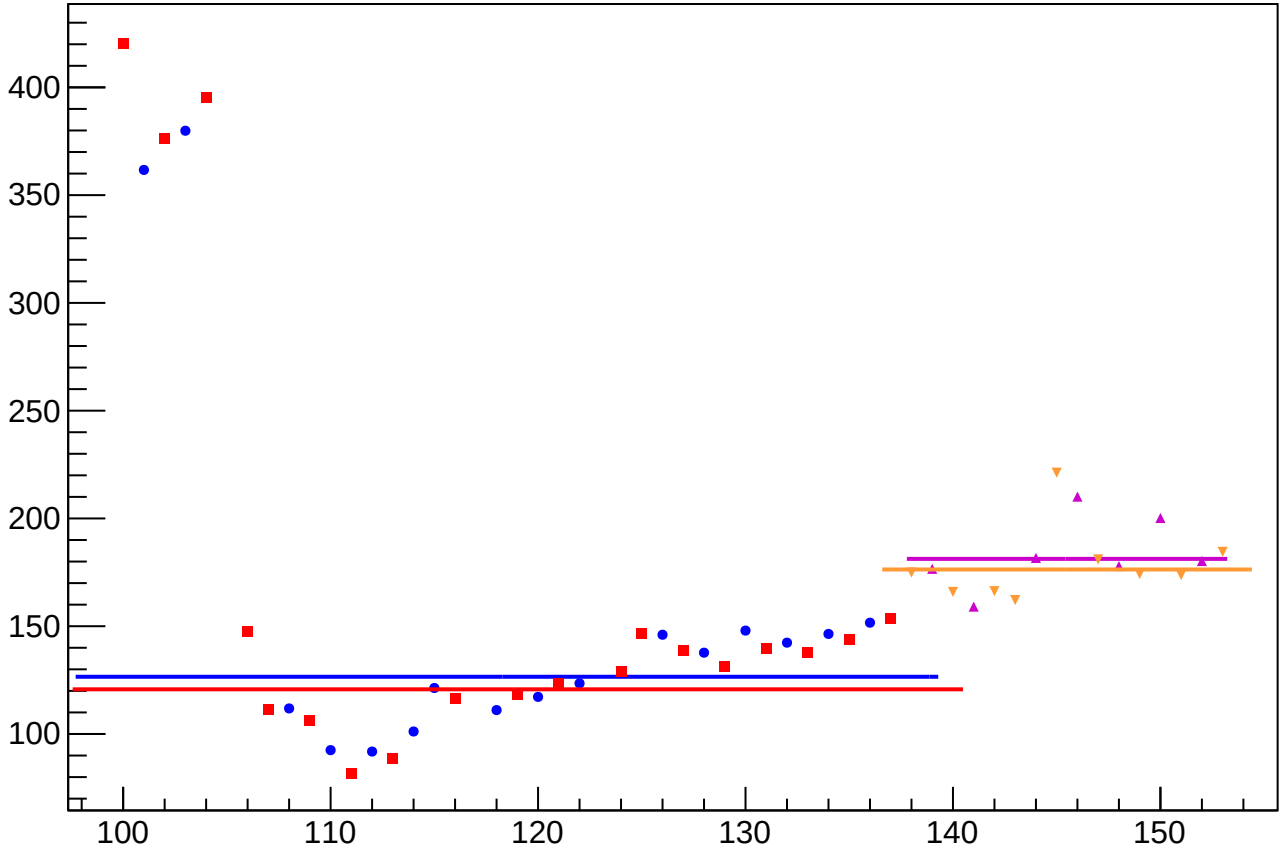
In: 173.508+/-0.035 χ^2/NDF:1224267.5/22

Out: 166.998+/-0.032 χ^2/NDF:1458672.6/27

All: 169.994+/-0.024 χ^2/NDF: 2701727.9/50


yield_bpm1i04WS_mean vs Slug, Sign Corrected
×10^3
175
170
165
160
155
150
145
140
135
130
100
110
120
130
140
150
Right In: 134276.096+/-0.051 χ²/NDF: 1142867100.2/15
Left Out: 148876.813+/-0.067 χ²/NDF:33935033950.5/8
Right Out: 134195.257+/-0.048 χ²/NDF: 1205537499.7/18
Left In: 146025.389+/-0.074 χ²/NDF:17081370348.6/6
Left: 147585.645+/-0.050 χ²/NDF: 51826530776.5
Right: 134233.345+/-0.035 χ²/NDF: 2349742421.8/
In: 138034.779+/-0.042 χ²/NDF:35319943858.9/2
Out: 139130.928+/-0.039 χ²/NDF:66625444977.3
All: 138621.069+/-0.029 χ²/NDF: 10231119

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 176.319+/-0.048 χ^2/NDF:93019.2/8

Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 181.244+/-0.052 χ^2/NDF:84367.1/6

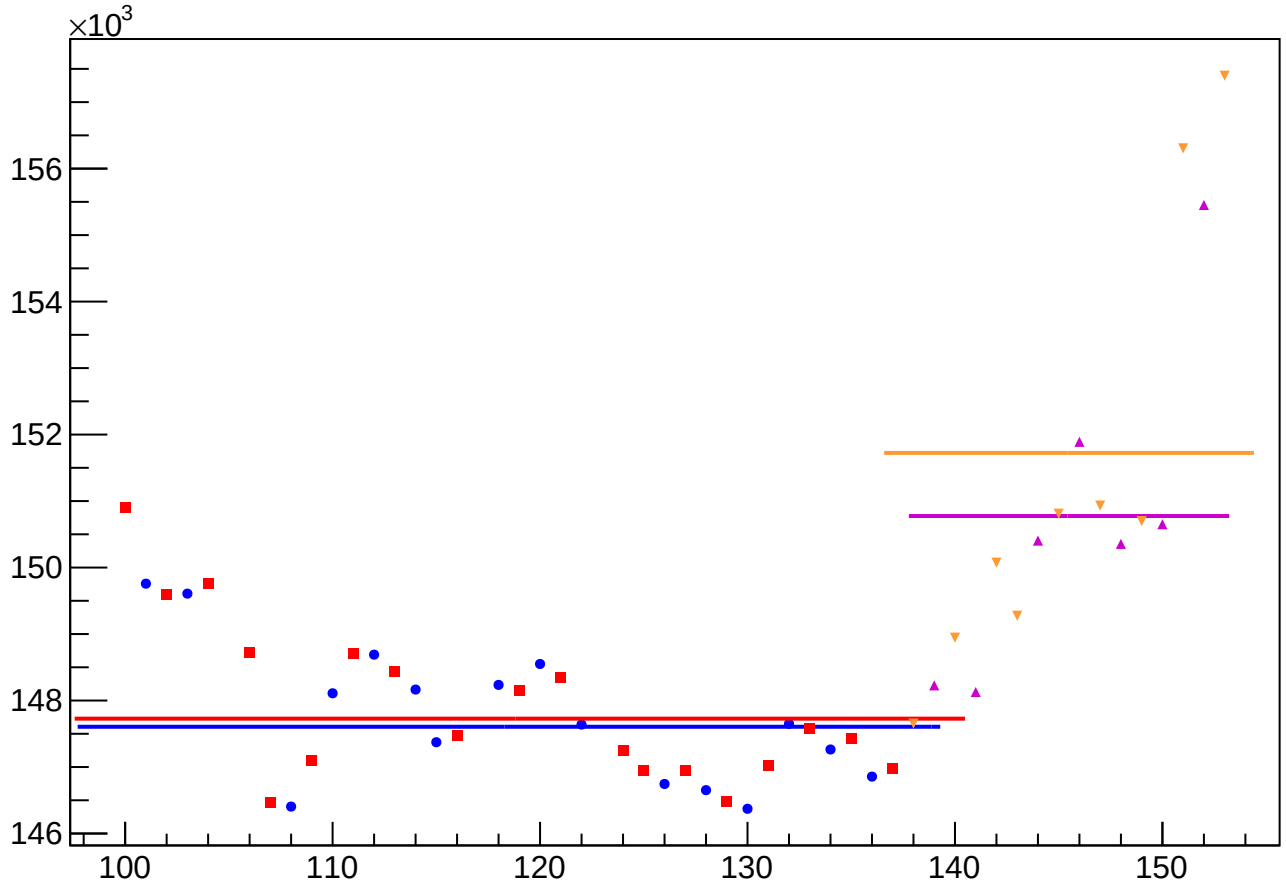
Left: 178.549+/-0.035 χ^2/NDF: 182218.4/15

Right: 123.469+/-0.025 χ^2/NDF: 3124061.5/34

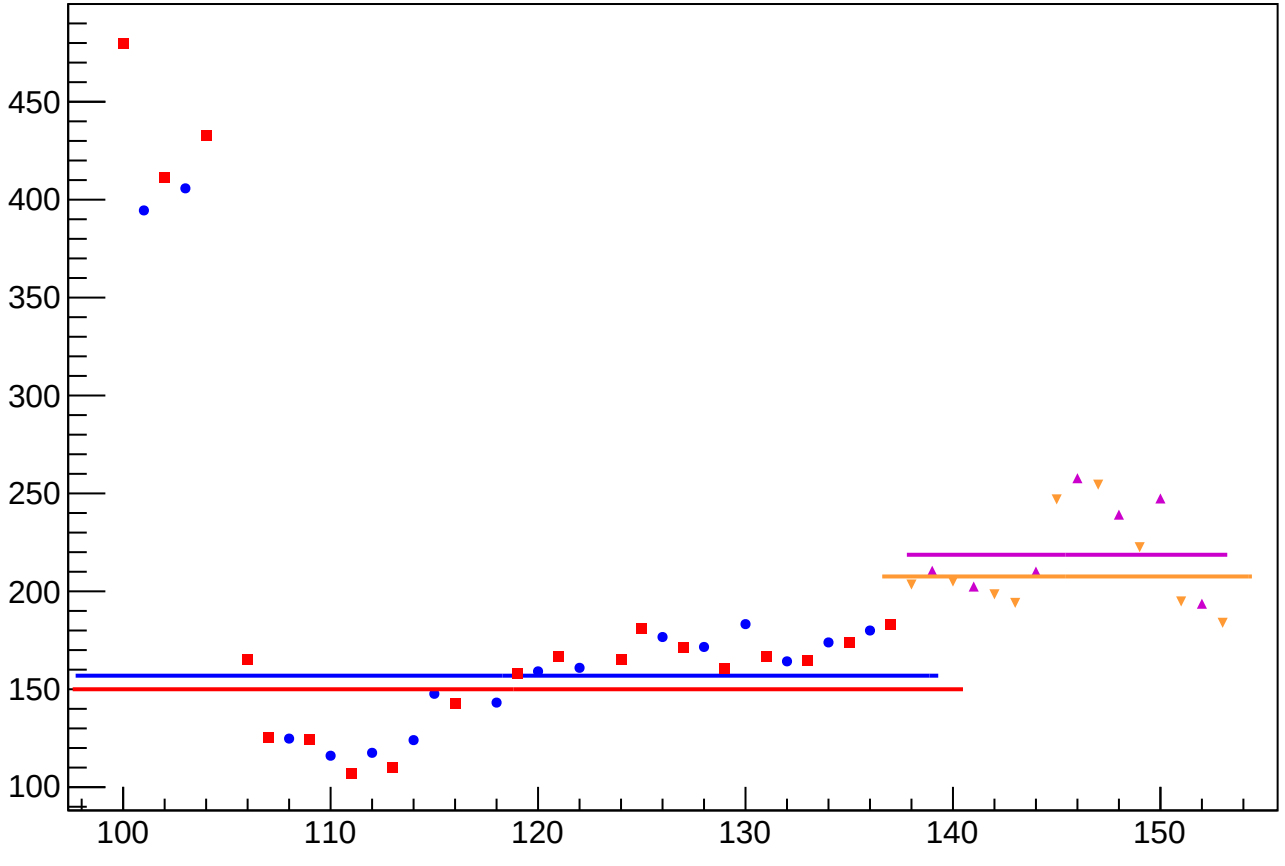
In: 144.047+/-0.030 χ^2/NDF:2302681.2/22

Out: 139.414+/-0.028 χ^2/NDF:2628722.8/27

All: 141.569+/-0.020 χ^2/NDF: 4944479.1/50


yield_bpm1i06WS_mean vs Slug, Sign Corrected
×10^3
156
154
152
150
148
146
100
110
120
130
140
150
Right In: 147605.604+/-0.062 χ²/NDF: 200513366.5/15
Left Out: 151724.177+/-0.079 χ²/NDF:1885717584.7/8
Right Out: 147727.598+/-0.059 χ²/NDF: 194800119.4/18
Left In: 150775.074+/-0.089 χ²/NDF:785349167.7/6
Left: 151305.443+/-0.059 χ²/NDF: 2734003966.5/1
Right: 147670.157+/-0.043 χ²/NDF: 397331184.2/3
In: 148645.048+/-0.051 χ²/NDF:1829950838.1/22
Out: 149145.742+/-0.047 χ²/NDF:3712446086.8/2
All: 148915.075+/-0.035 χ²/NDF: 55939413

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 207.590+/-0.056 χ^2/NDF:148617.1/8

Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 218.675+/-0.063 χ^2/NDF:121485.6/6

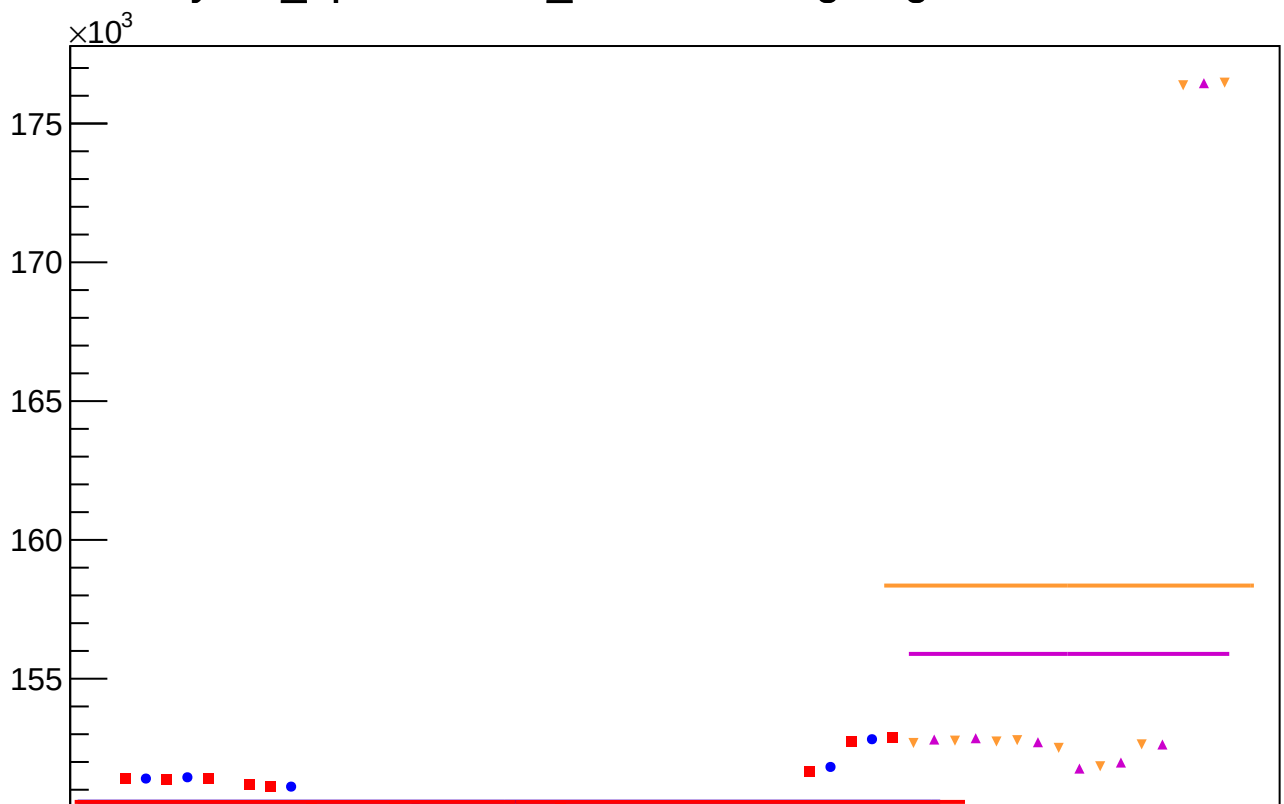
Left: 212.480+/-0.042 χ^2/NDF: 287272.8/15

Right: 153.258+/-0.030 χ^2/NDF: 2732730.8/34

In: 177.177+/-0.036 χ^2/NDF:2027994.8/22

Out: 170.431+/-0.033 χ^2/NDF:2280395.2/27

All: 173.539+/-0.025 χ^2/NDF: 4327105.1/50



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 158355.261+/-0.067 χ^2/NDF:23538658740.0/8

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

Left In: 155893.330+/-0.074 χ^2/NDF:12883391693.2/6

Left: 157247.570+/-0.049 χ^2/NDF: 37034384878.6

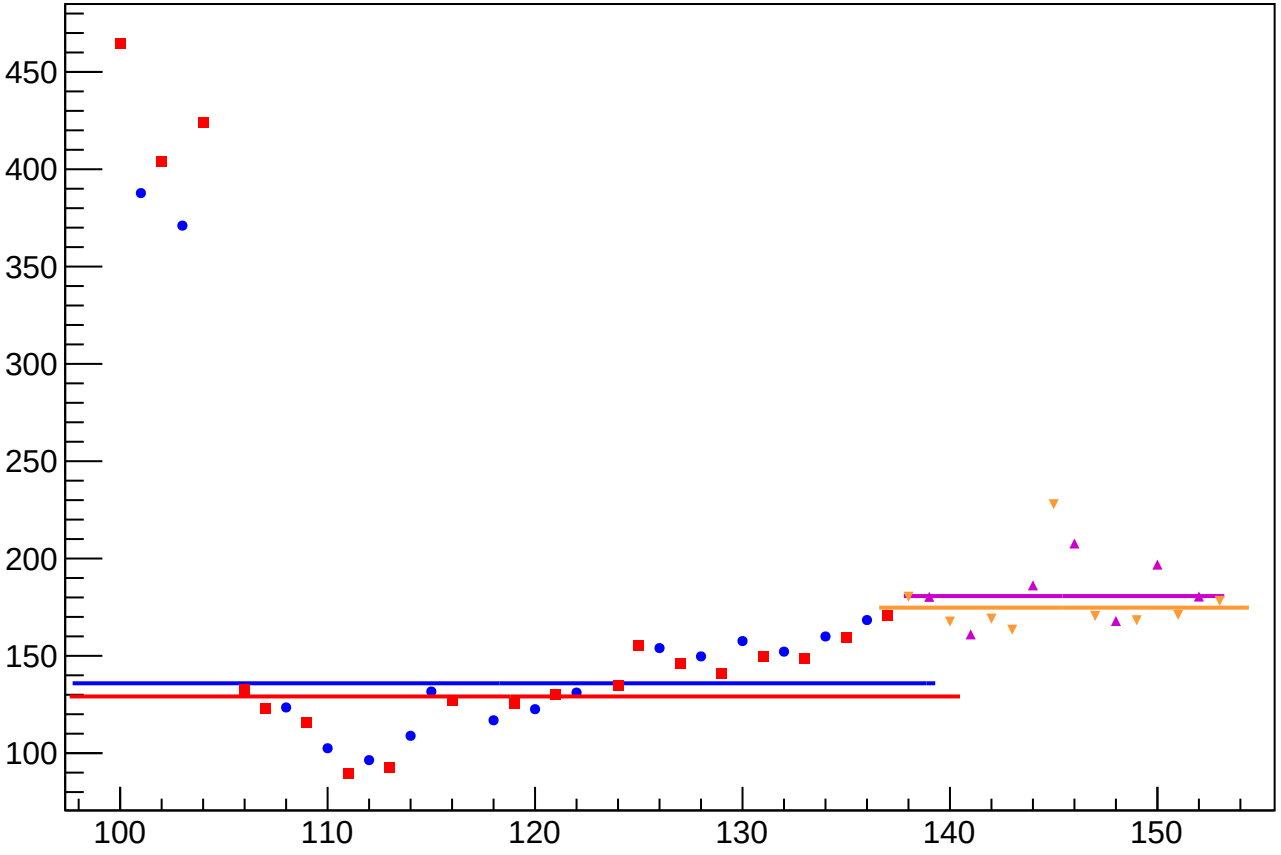
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 152453.019+/-0.044 χ^2/NDF:16484959491.8/2

Out: 153433.848+/-0.041 χ^2/NDF:32348529676.9/

All: 152982.688+/-0.030 χ^2/NDF: 49103102

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 174.765+/-0.047 χ^2/NDF:105641.3/8

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 180.713+/-0.052 χ^2/NDF:78700.3/6

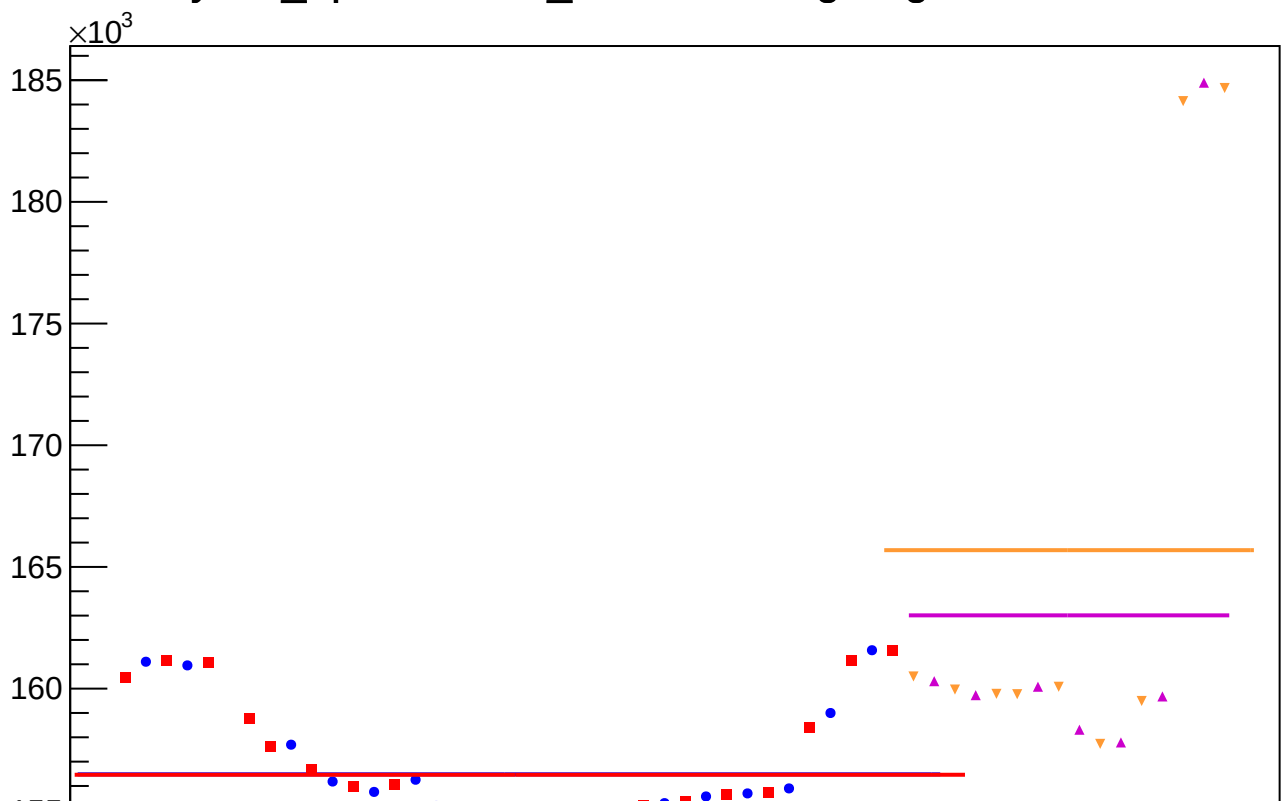
Left: 177.441+/-0.035 χ^2/NDF: 191488.0/15

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 151.756+/-0.031 χ^2/NDF:1971710.1/22

Out: 145.948+/-0.029 χ^2/NDF:2310519.3/27

All: 148.620+/-0.021 χ^2/NDF: 4301136.9/50



Right In: 156478.318+/-0.057 χ^2/NDF: 1289449253.3/15

Left Out: 165688.754+/-0.069 χ^2/NDF:24025491030.5/8

Right Out: 156460.550+/-0.053 χ^2/NDF: 1100531658.8/18

Left In: 163010.485+/-0.077 χ^2/NDF:13867052872.3/6

Left: 164481.796+/-0.051 χ^2/NDF: 38565781828.6/

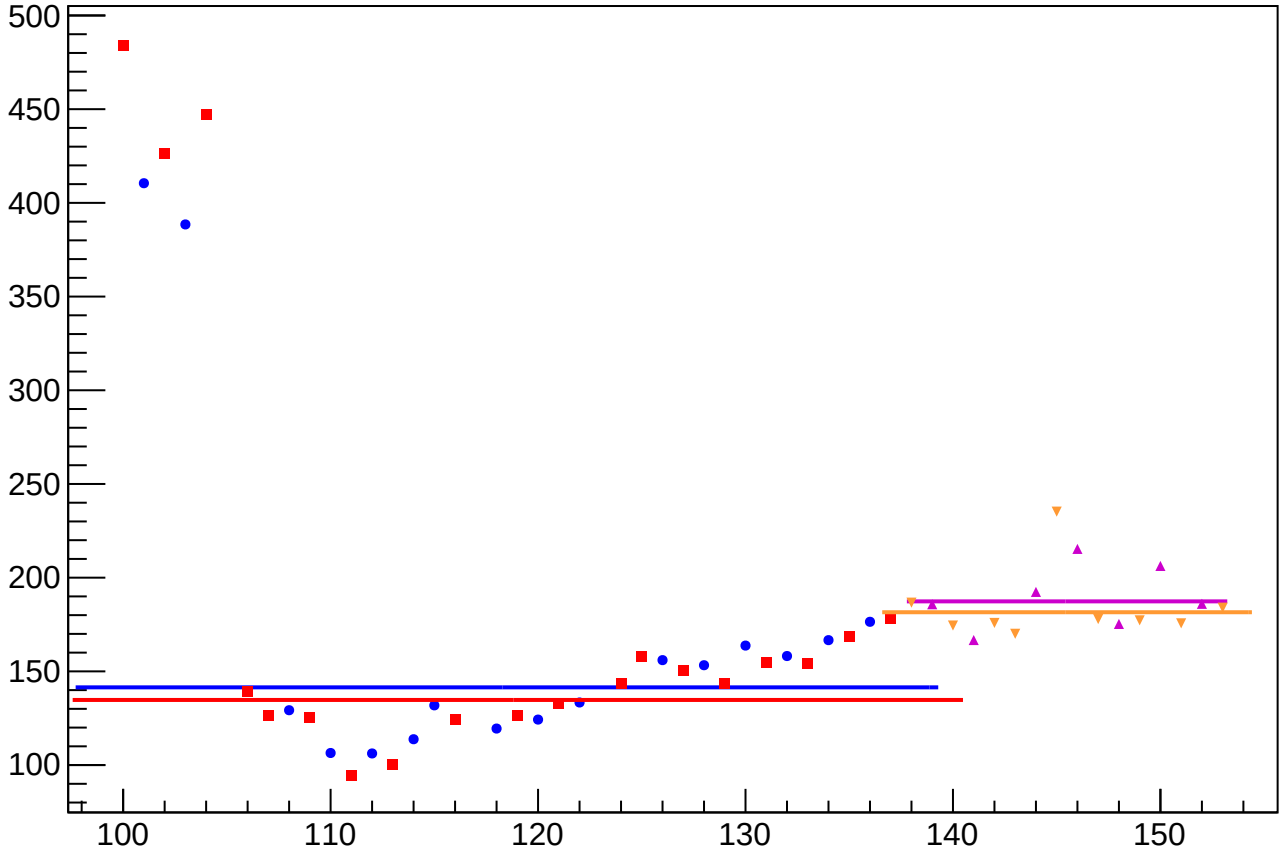
Right: 156468.838+/-0.039 χ^2/NDF: 2390033091.6/

In: 158800.174+/-0.046 χ^2/NDF:19855239279.0/2

Out: 159876.871+/-0.042 χ^2/NDF:36296107137.4

All: 159380.798+/-0.031 χ^2/NDF: 56451829

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 181.555+/-0.049 χ^2/NDF:99901.8/8

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

Left In: 187.351+/-0.054 χ^2/NDF:80398.9/6

Left: 184.167+/-0.036 χ^2/NDF: 186607.6/15

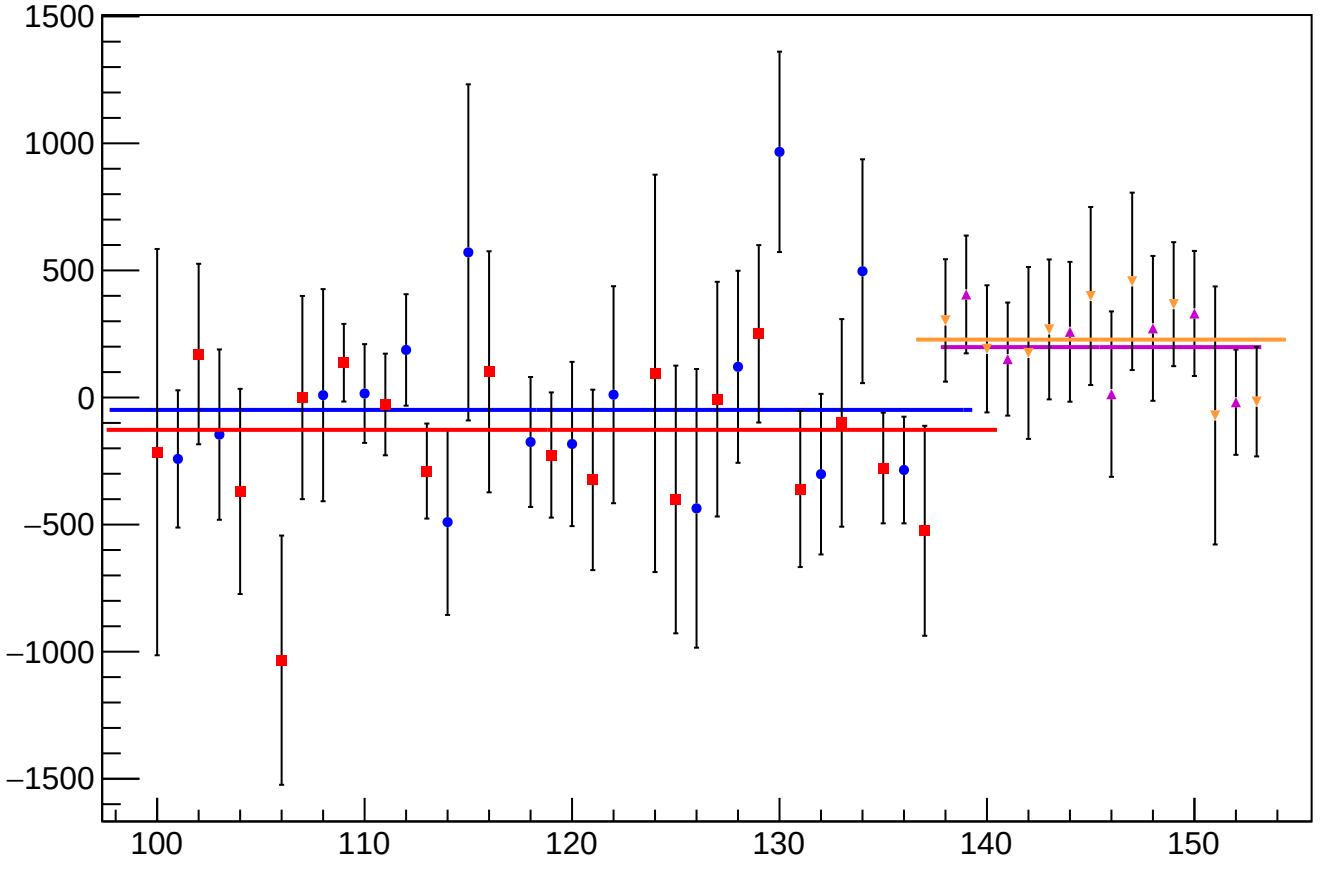
Right: 137.883+/-0.027 χ^2/NDF: 2985912.1/34

In: 157.778+/-0.032 χ^2/NDF:1935953.5/22

Out: 152.075+/-0.030 χ^2/NDF:2253724.6/27

All: 154.703+/-0.022 χ^2/NDF: 4206544.1/50

asym_bcm_target_mean vs Slug, Sign Corrected



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 227.857+/-93.768 χ^2/NDF:2.8/8

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 198.279+/-93.818 χ^2/NDF:2.7/6

Left: 213.076+/-66.322 χ^2/NDF: 5.5/15

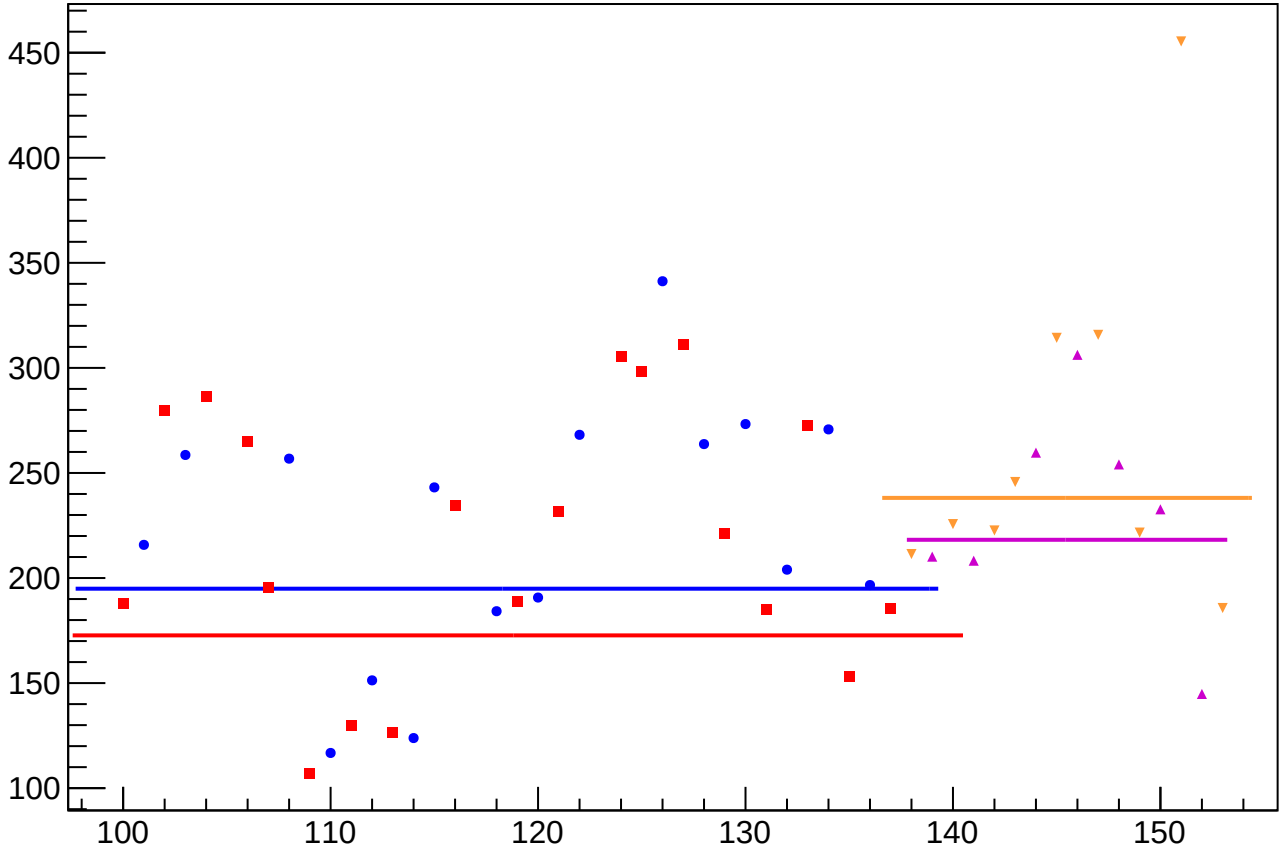
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 50.046+/-59.331 χ^2/NDF:22.3/22

Out: -3.668+/-55.316 χ^2/NDF:25.0/27

All: 21.310+/-40.459 χ^2/NDF: 47.7/50

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 238.136+/-0.066 χ^2/NDF:722324.1/8

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 218.198+/-0.066 χ^2/NDF:487622.9/6

Left: 228.172+/-0.047 χ^2/NDF: 1255137.1/15

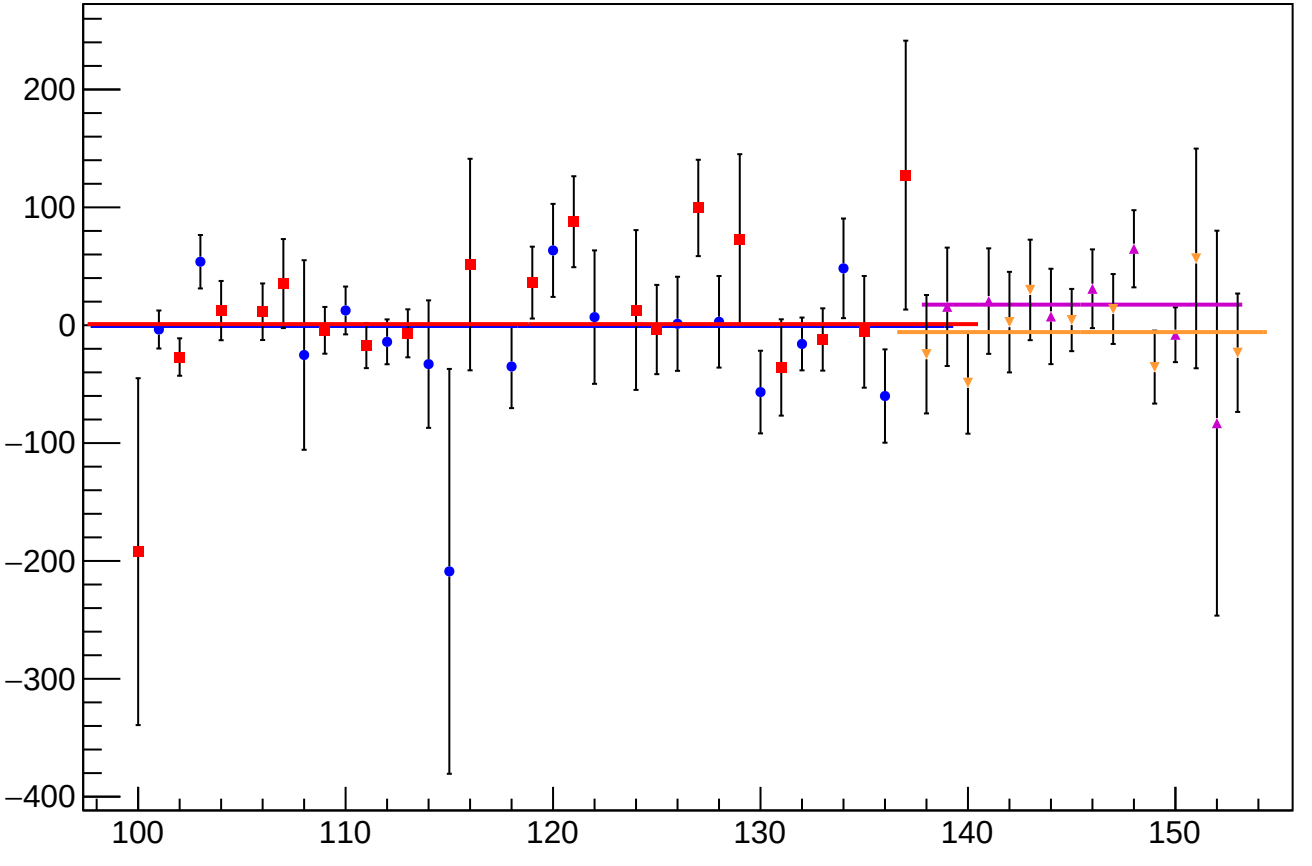
Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 204.231+/-0.042 χ^2/NDF:1590389.1/22

Out: 195.475+/-0.039 χ^2/NDF:2988641.6/27

All: 199.547+/-0.029 χ^2/NDF: 4602334.2/50

asym_bcm_an_diff_mean vs Slug, Sign Corrected



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -5.827+/-12.743 χ^2/NDF:4.0/8

Right Out: 0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: 17.459+/-13.837 χ^2/NDF:3.9/6

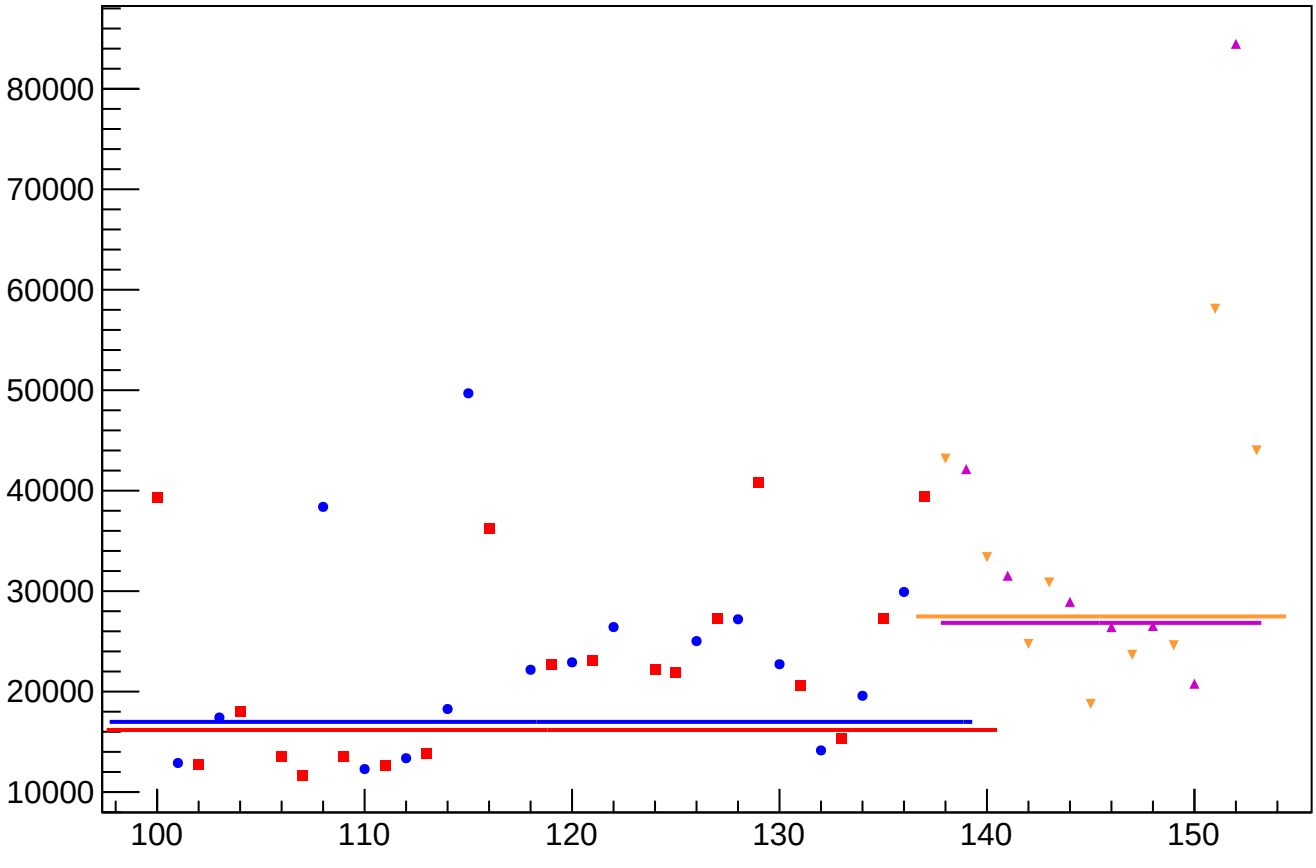
Left: 4.859+/-9.374 χ^2/NDF: 9.4/15

Right: 0.220+/-4.975 χ^2/NDF: 42.0/34

In: 3.347+/-6.484 χ^2/NDF:24.1/22

Out: -0.550+/-5.977 χ^2/NDF:27.2/27

All: 1.240+/-4.395 χ^2/NDF: 51.5/50



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 27480.579+/-9.011 χ^2/NDF:953866.5/8

Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

Left In: 26840.302+/-9.784 χ^2/NDF:598381.0/6

Left: 27186.752+/-6.628 χ^2/NDF: 1554564.6/15

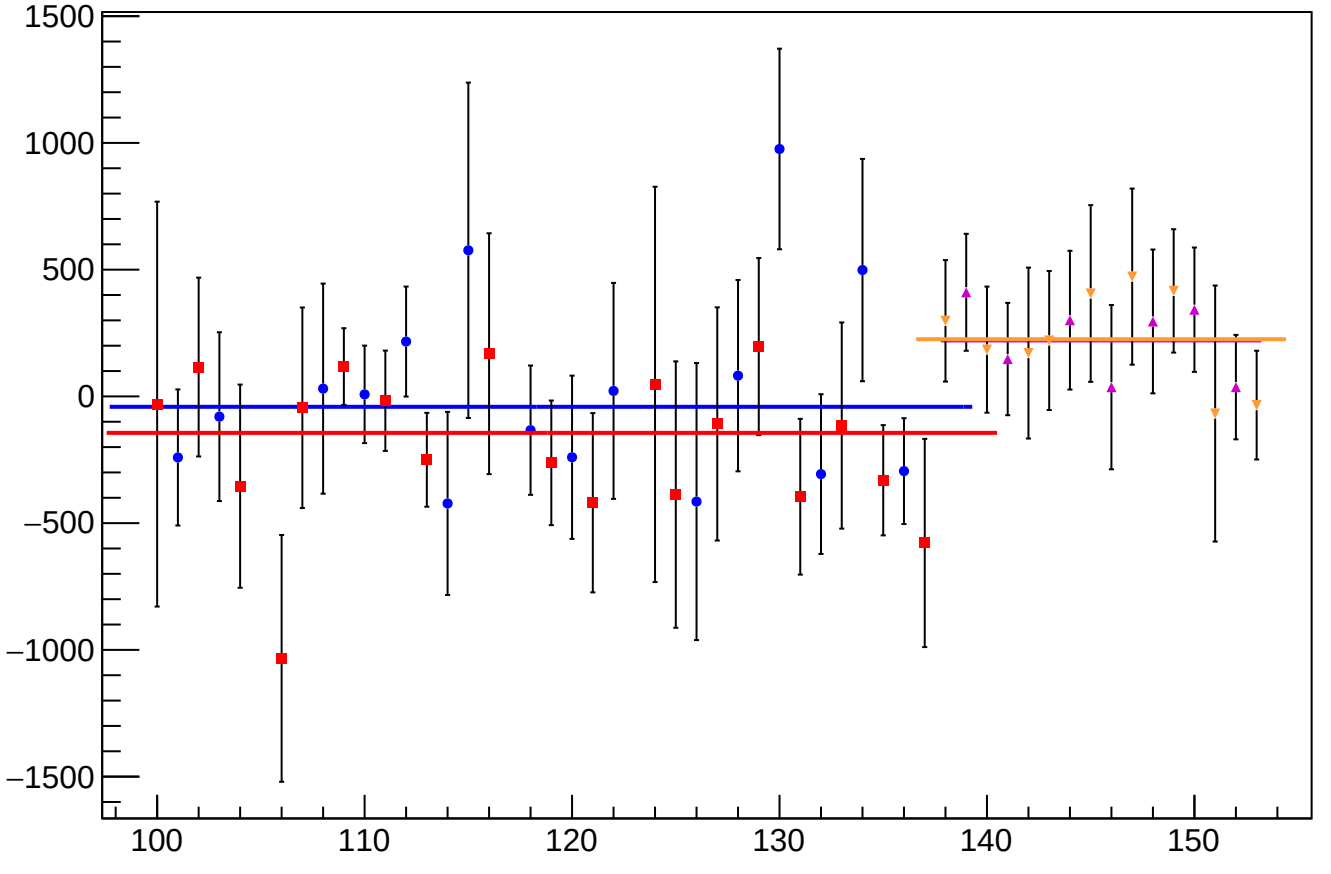
Right: 16551.529+/-3.518 χ^2/NDF: 2458578.1/34

In: 19150.373+/-4.585 χ^2/NDF:2584001.4/22

Out: 18667.273+/-4.226 χ^2/NDF:3431807.1/27

All: 18889.169+/-3.107 χ^2/NDF: 6021810.7/5

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 225.598+/-93.366 χ^2/NDF:3.3/8

Right Out: -143.821+/-68.080 χ^2/NDF: 13.0/18

Left In: 220.702+/-93.403 χ^2/NDF:2.3/6

Left: 223.151+/-66.033 χ^2/NDF: 5.6/15

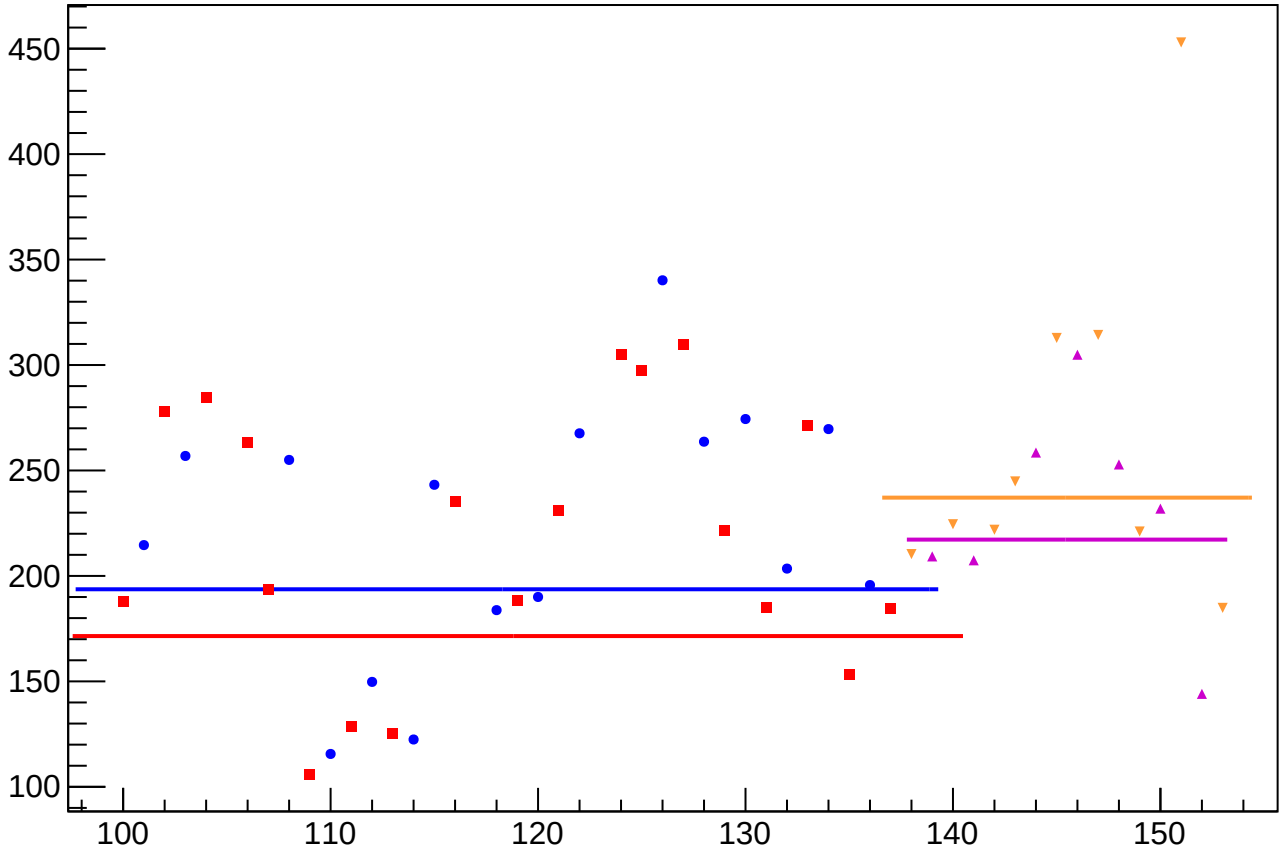
Right: -98.171+/-50.756 χ^2/NDF: 29.5/34

In: 63.476+/-59.024 χ^2/NDF:22.5/22

Out: -15.584+/-55.009 χ^2/NDF:26.6/27

All: 21.166+/-40.242 χ^2/NDF: 50.0/50

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 237.124+/-0.066 χ^2/NDF:721514.7/8

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

Left In: 217.220+/-0.066 χ^2/NDF:488873.9/6

Left: 227.176+/-0.047 χ^2/NDF: 1255819.1/15

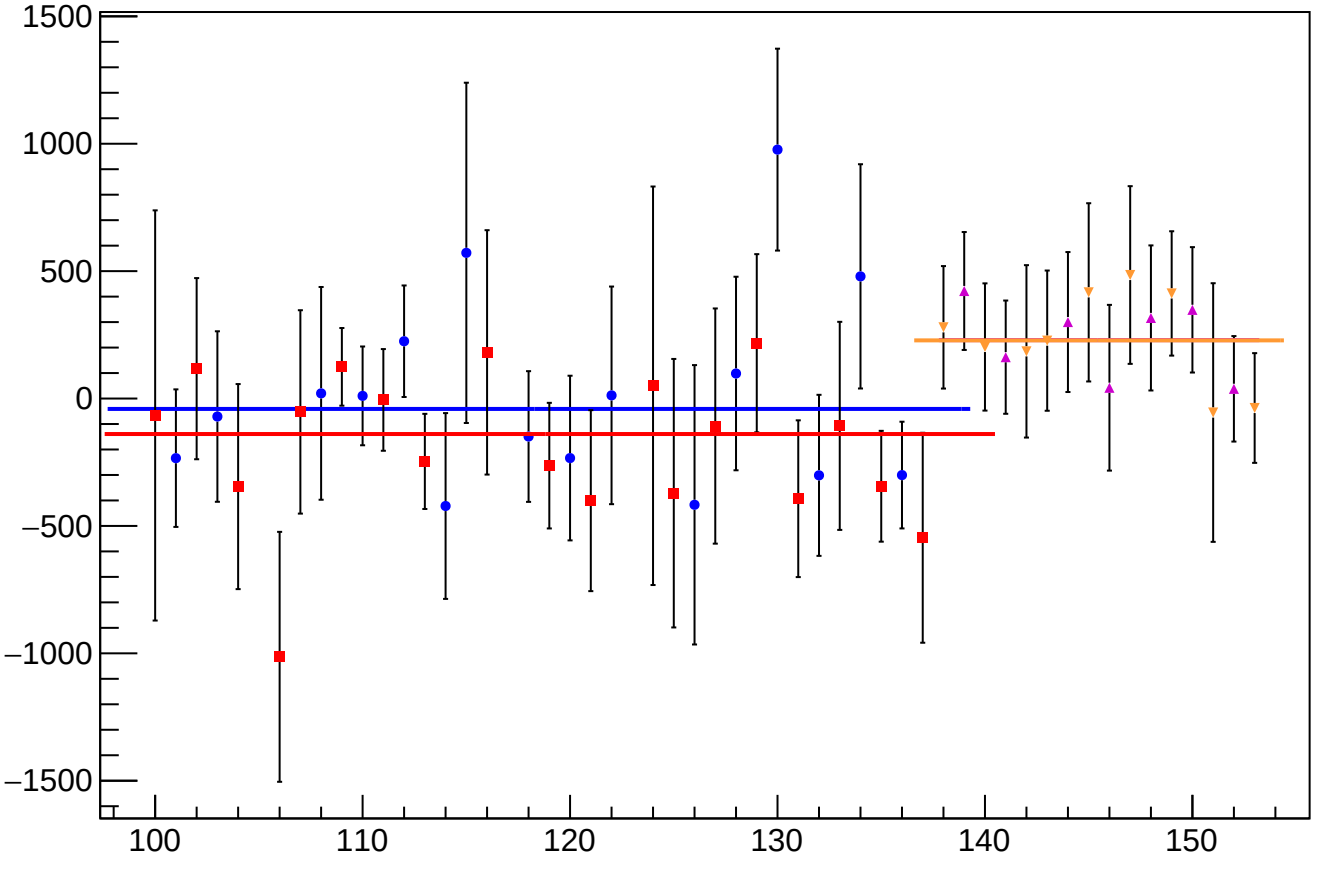
Right: 181.339+/-0.036 χ^2/NDF: 2797109.1/34

In: 203.074+/-0.042 χ^2/NDF:1615012.1/22

Out: 194.269+/-0.039 χ^2/NDF:3019893.0/27

All: 198.362+/-0.028 χ^2/NDF: 4658722.7/50

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 228.258+/-93.679 χ^2/NDF:3.3/8

Right Out: -139.292+/-68.459 χ^2/NDF: 12.9/18

Left In: 229.250+/-93.733 χ^2/NDF:2.4/6

Left: 228.754+/-66.260 χ^2/NDF: 5.7/15

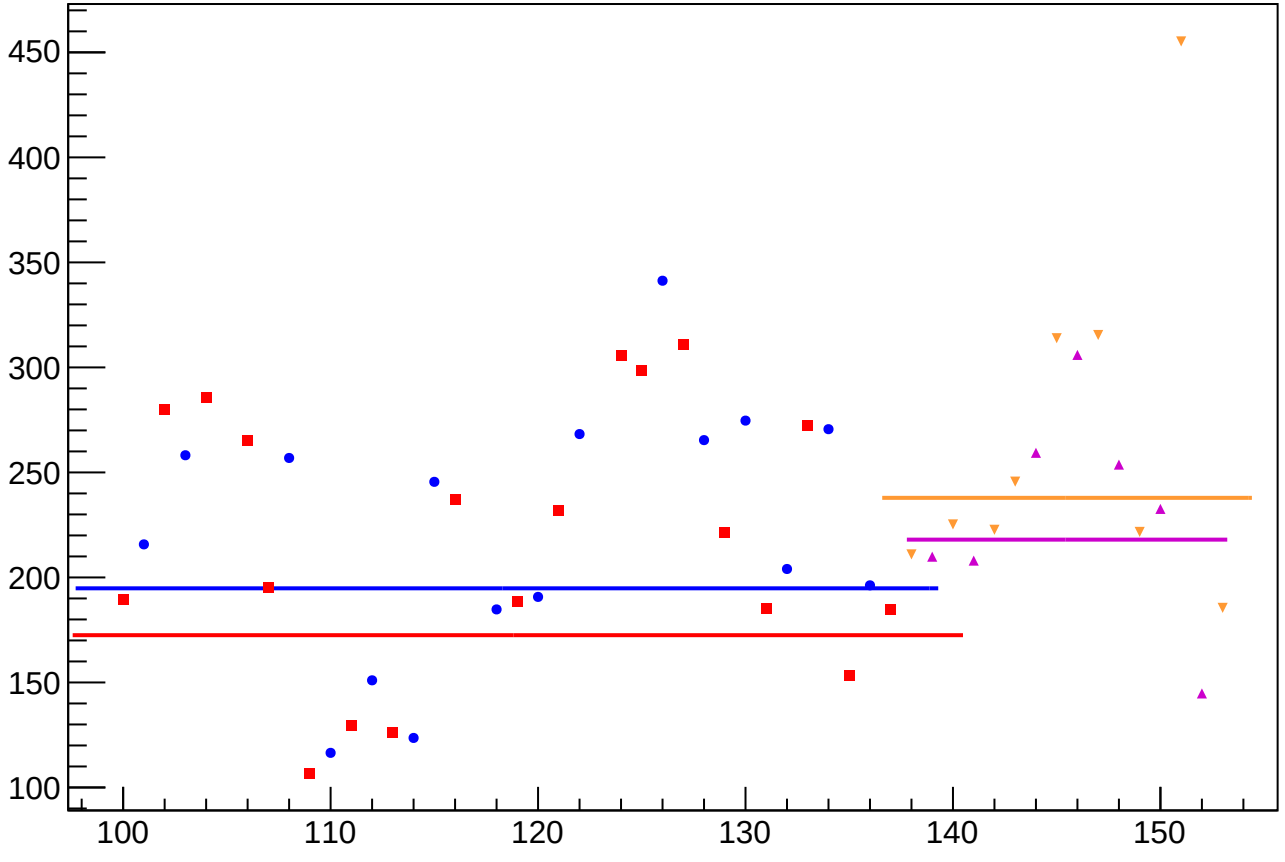
Right: -95.542+/-51.038 χ^2/NDF: 29.2/34

In: 67.300+/-59.303 χ^2/NDF:22.7/22

Out: -11.337+/-55.273 χ^2/NDF:26.2/27

All: 25.219+/-40.434 χ^2/NDF: 49.9/50

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 237.899+/-0.066 χ^2/NDF:723037.7/8

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

Left In: 218.000+/-0.066 χ^2/NDF:486892.0/6

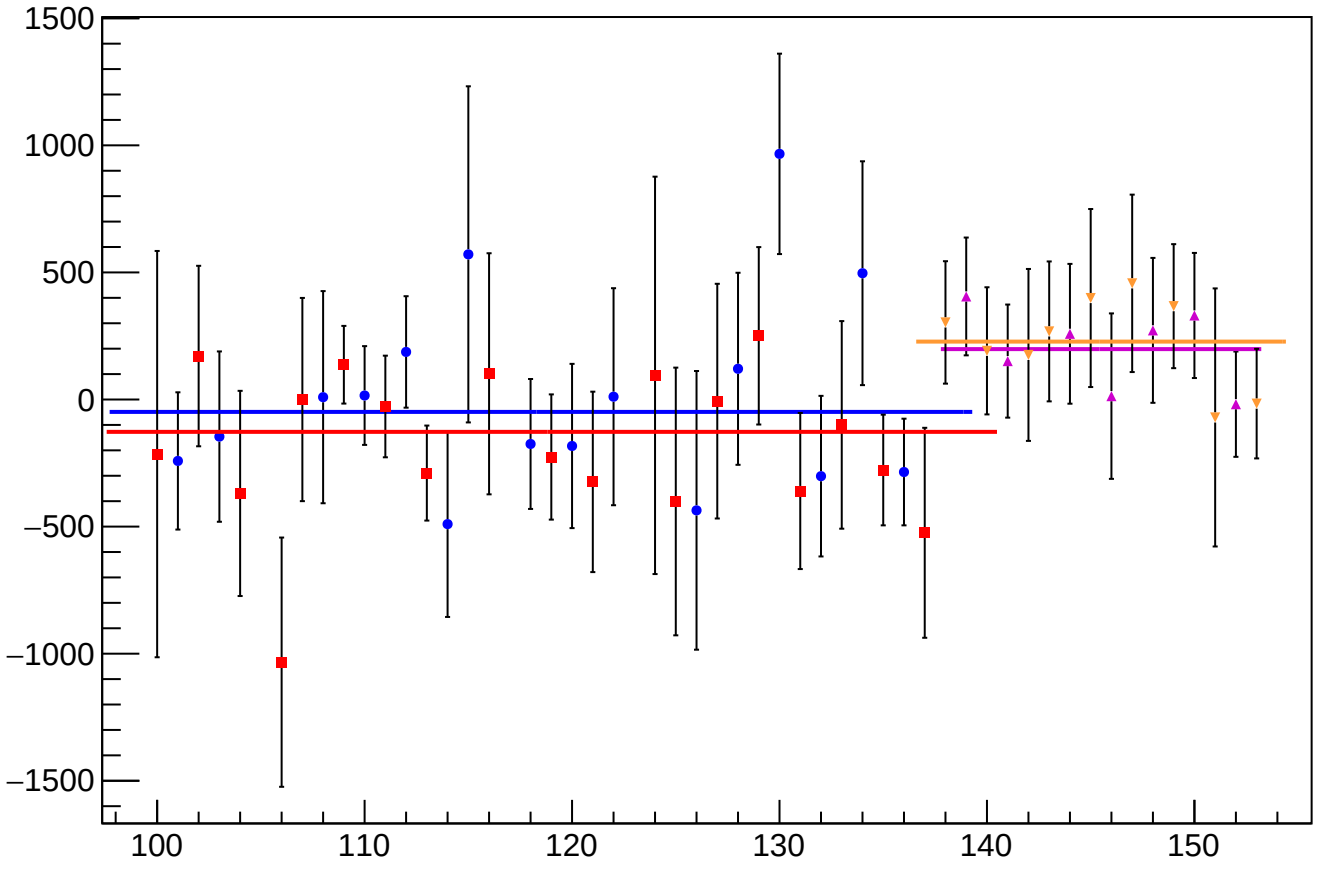
Left: 227.955+/-0.047 χ^2/NDF: 1255023.8/15

Right: 182.418+/-0.036 χ^2/NDF: 2775527.6/34

In: 204.099+/-0.042 χ^2/NDF:1599346.0/22

Out: 195.272+/-0.039 χ^2/NDF:3000371.0/27

All: 199.375+/-0.029 χ^2/NDF: 4623426.8/50



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 227.857+/-93.768 χ^2/NDF:2.8/8

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 198.279+/-93.818 χ^2/NDF:2.7/6

Left: 213.076+/-66.322 χ^2/NDF: 5.5/15

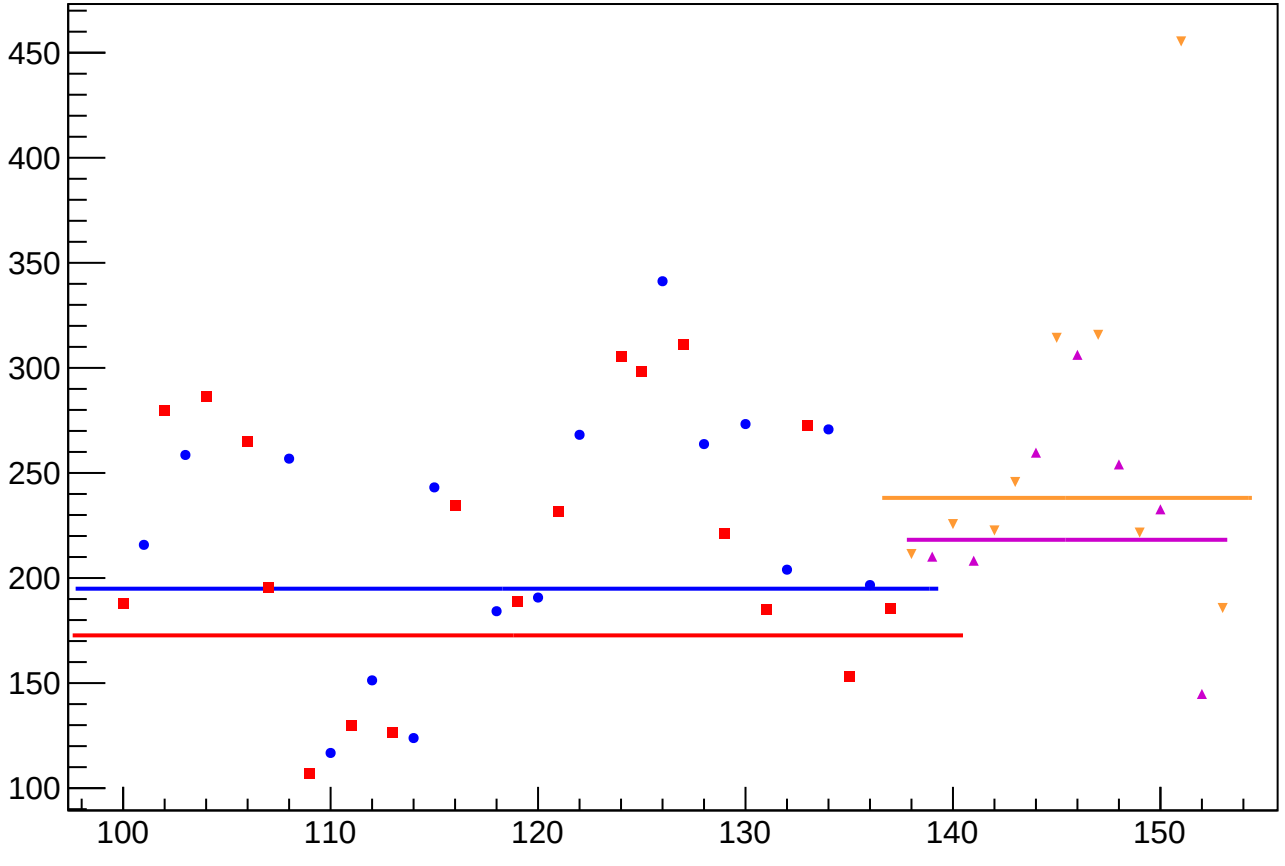
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 50.046+/-59.331 χ^2/NDF:22.3/22

Out: -3.668+/-55.316 χ^2/NDF:25.0/27

All: 21.310+/-40.459 χ^2/NDF: 47.7/50

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 238.136+/-0.066 χ^2/NDF:722324.1/8

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 218.198+/-0.066 χ^2/NDF:487622.9/6

Left: 228.172+/-0.047 χ^2/NDF: 1255137.1/15

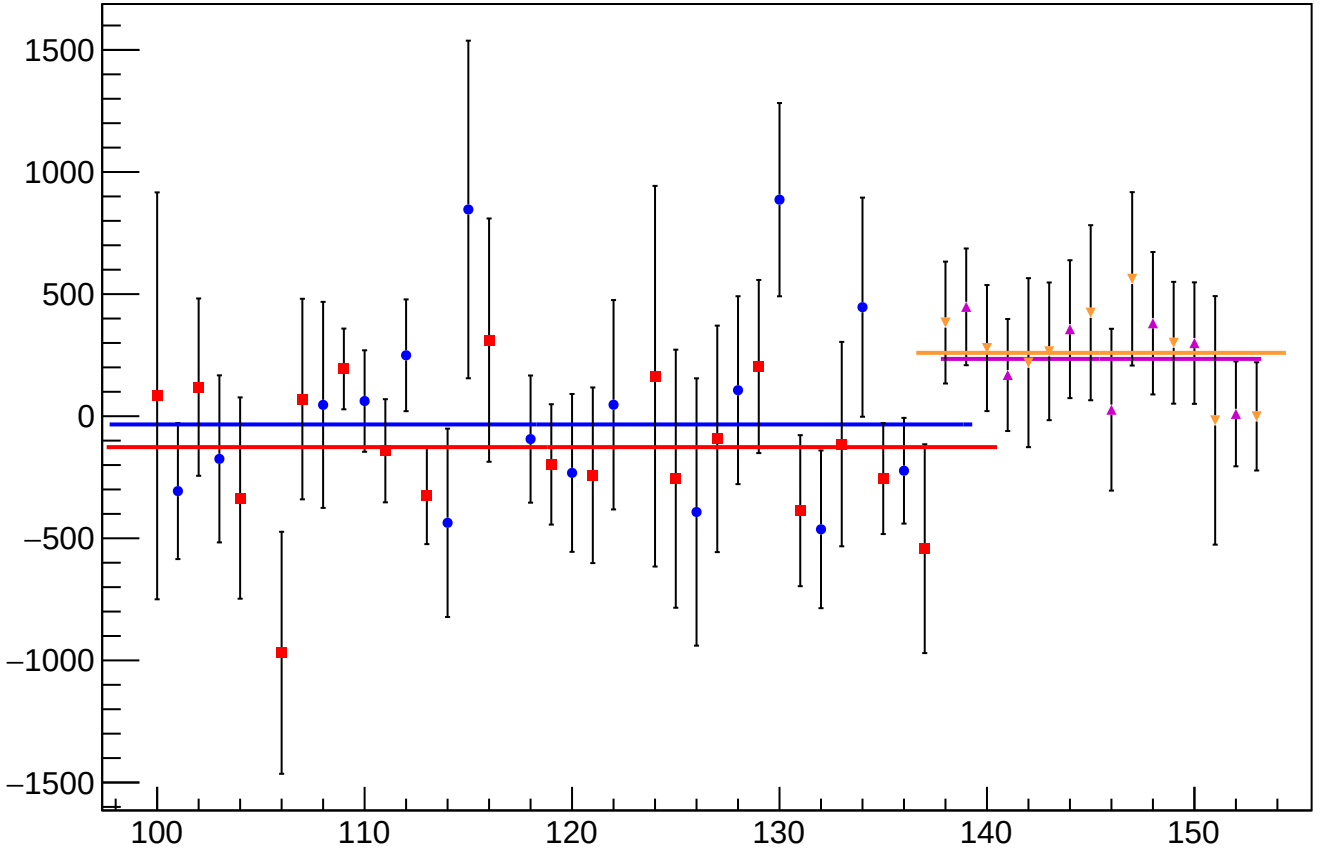
Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 204.231+/-0.042 χ^2/NDF:1590389.1/22

Out: 195.475+/-0.039 χ^2/NDF:2988641.6/27

All: 199.547+/-0.029 χ^2/NDF: 4602334.2/50

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 259.537+/-96.218 χ^2/NDF:2.9/8

Right Out: -126.563+/-71.309 χ^2/NDF: 12.7/18

Left In: 234.624+/-96.337 χ^2/NDF:2.9/6

Left: 247.096+/-68.079 χ^2/NDF: 5.8/15

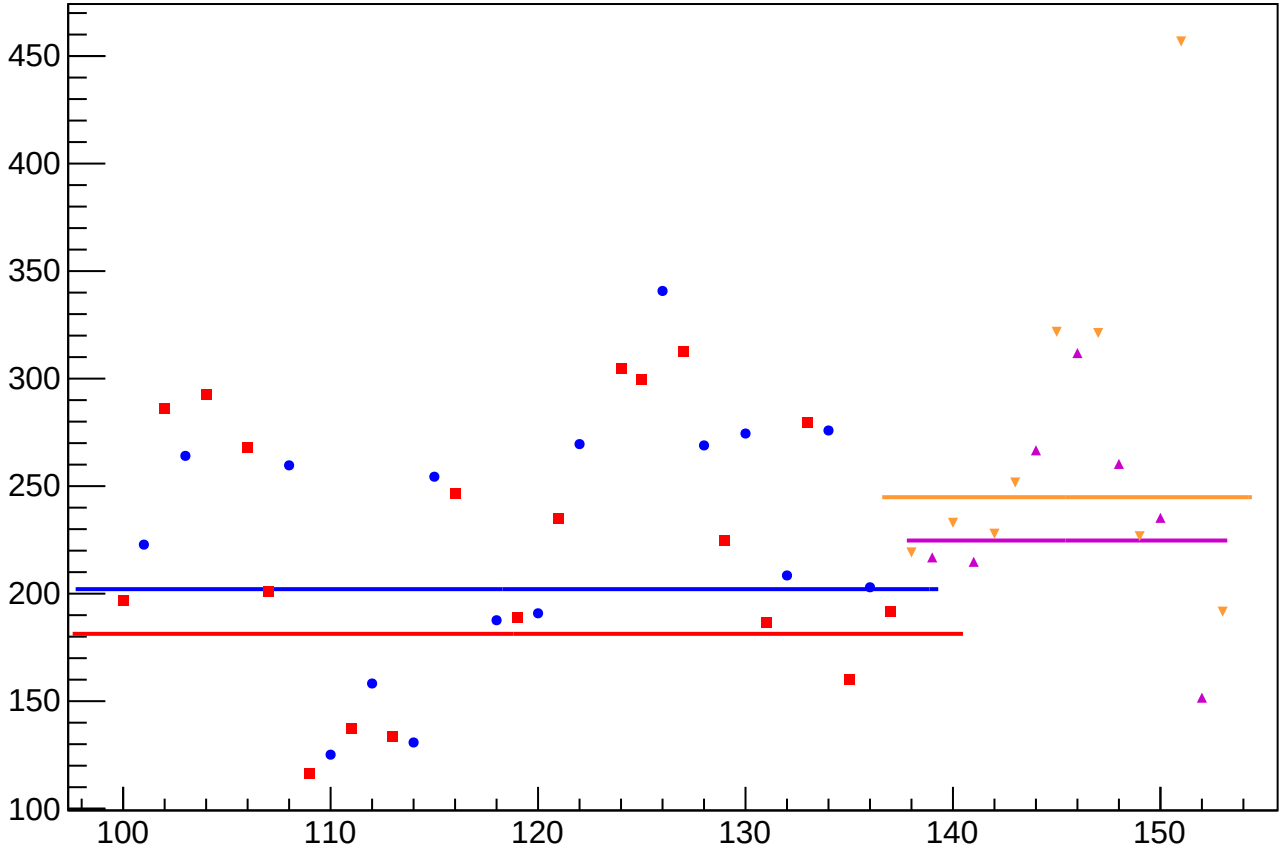
Right: -84.882+/-52.933 χ^2/NDF: 29.2/34

In: 74.161+/-61.085 χ^2/NDF:23.3/22

Out: 10.321+/-57.291 χ^2/NDF:26.0/27

All: 40.197+/-41.788 χ^2/NDF: 49.8/50

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 244.853+/-0.068 χ^2/NDF:688882.7/8

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

Left In: 224.712+/-0.068 χ^2/NDF:453430.9/6

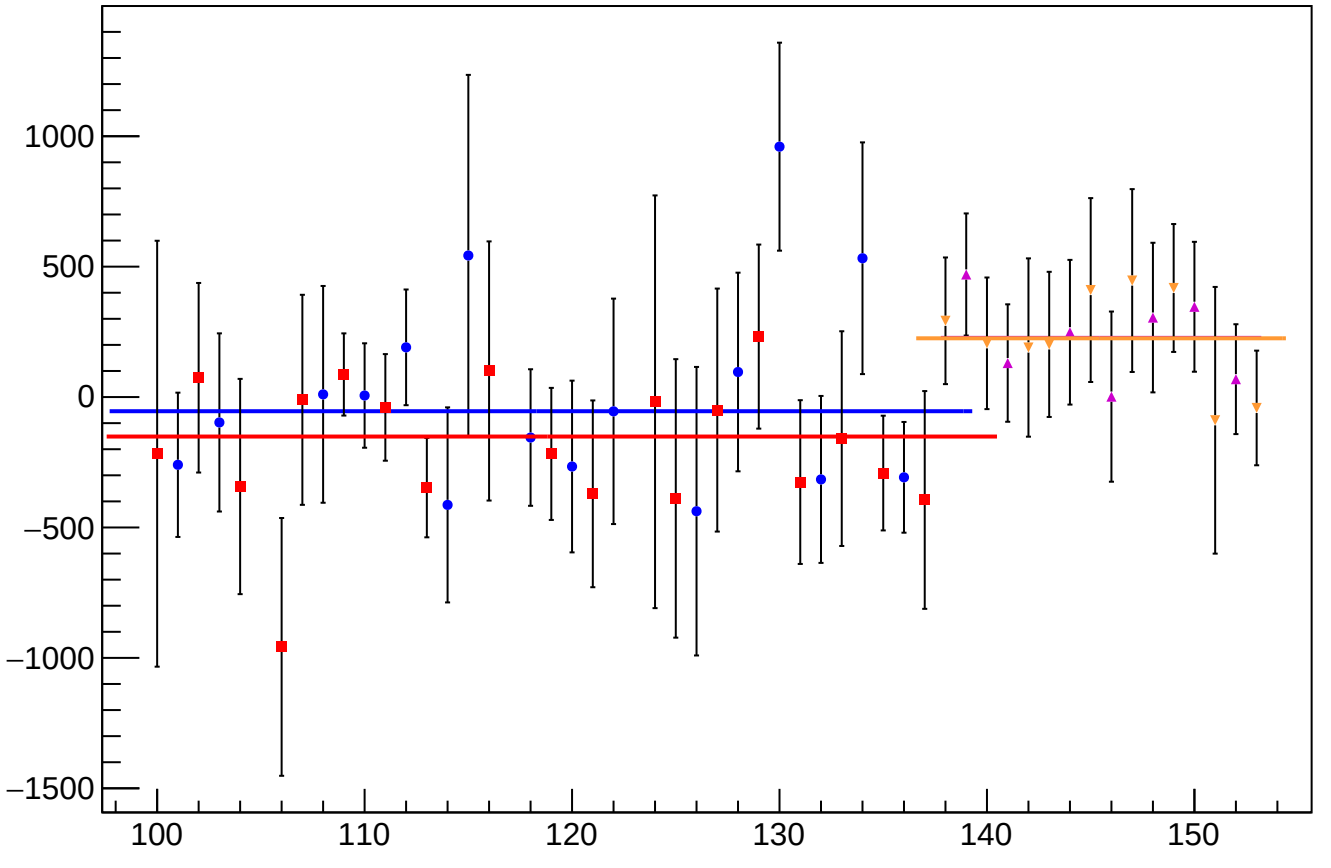
Left: 234.795+/-0.048 χ^2/NDF: 1186076.9/15

Right: 190.641+/-0.037 χ^2/NDF: 2427488.6/34

In: 211.185+/-0.043 χ^2/NDF:1429632.0/22

Out: 203.839+/-0.041 χ^2/NDF:2692857.6/27

All: 207.277+/-0.030 χ^2/NDF: 4137877.9/50



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 225.286+/-94.702 χ^2/NDF:3.2/8

Right Out: -151.358+/-69.902 χ^2/NDF: 10.2/18

Left In: 226.906+/-94.825 χ^2/NDF:2.6/6

Left: 226.095+/-67.008 χ^2/NDF: 5.9/15

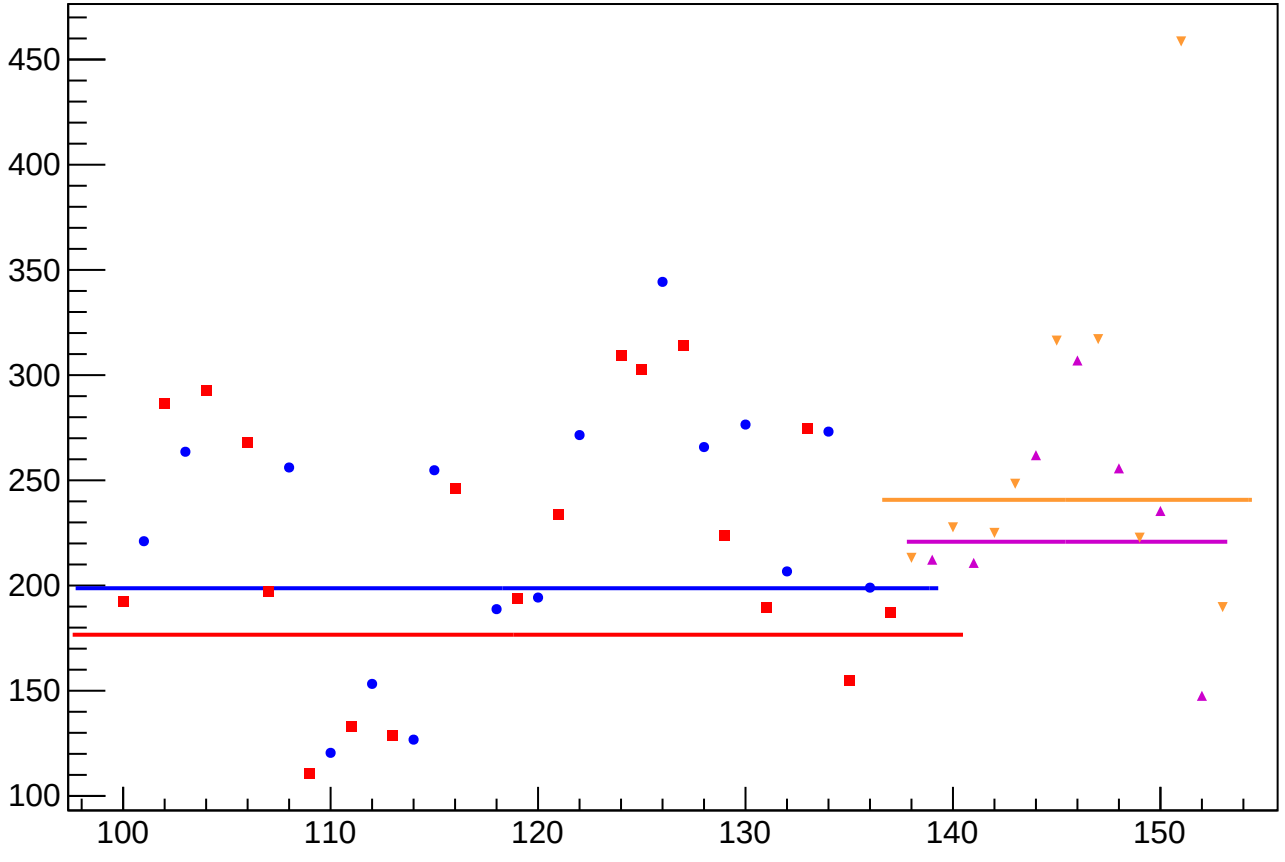
Right: -108.074+/-52.040 χ^2/NDF: 26.2/34

In: 59.117+/-60.214 χ^2/NDF:22.9/22

Out: -18.525+/-56.241 χ^2/NDF:23.7/27

All: 17.650+/-41.101 χ^2/NDF: 47.5/50

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 240.733+/-0.067 χ^2/NDF:705554.7/8

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

Left In: 220.809+/-0.067 χ^2/NDF:468300.1/6

Left: 230.784+/-0.047 χ^2/NDF: 1218057.5/15

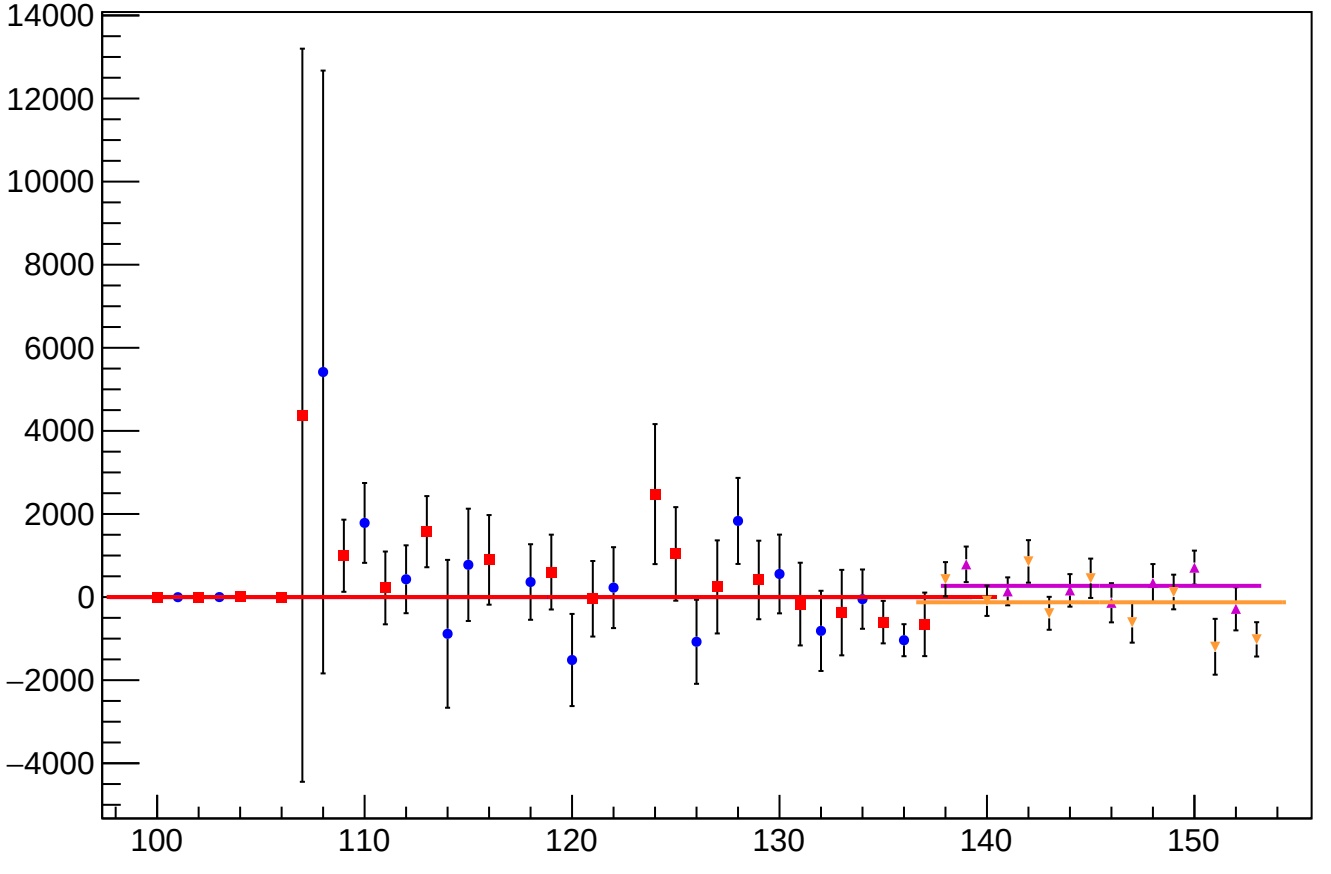
Right: 186.471+/-0.037 χ^2/NDF: 2678866.0/34

In: 207.626+/-0.043 χ^2/NDF:1527146.4/22

Out: 199.232+/-0.040 χ^2/NDF:2894601.6/27

All: 203.143+/-0.029 χ^2/NDF: 4442506.3/50

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: -125.298+/-147.302 χ^2/NDF:16.0/8

Right Out: 1.377+/-2.022 χ^2/NDF: 16.8/18

Left In: 270.092+/-158.459 χ^2/NDF:4.8/6

Left: 57.988+/-107.887 χ^2/NDF: 24.1/15

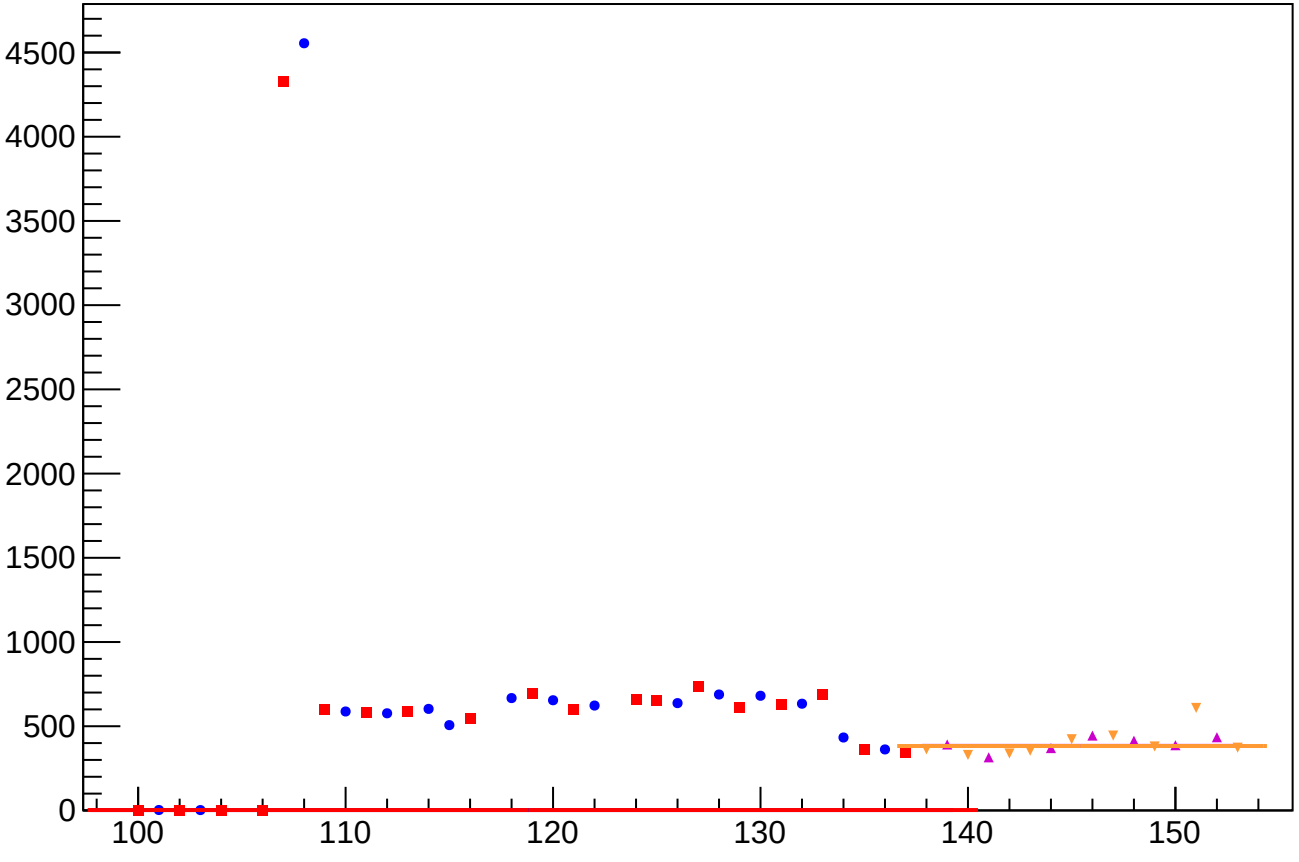
Right: 0.162+/-1.480 χ^2/NDF: 37.5/34

In: -1.188+/-2.171 χ^2/NDF:27.6/22

Out: 1.353+/-2.022 χ^2/NDF:33.6/27

All: 0.173+/-1.480 χ^2/NDF: 61.9/50

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 382.523+/-0.104 χ^2/NDF:346247.8/8

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

Left In: 383.373+/-0.112 χ^2/NDF:147248.8/6

Left: 382.917+/-0.076 χ^2/NDF: 493527.5/15

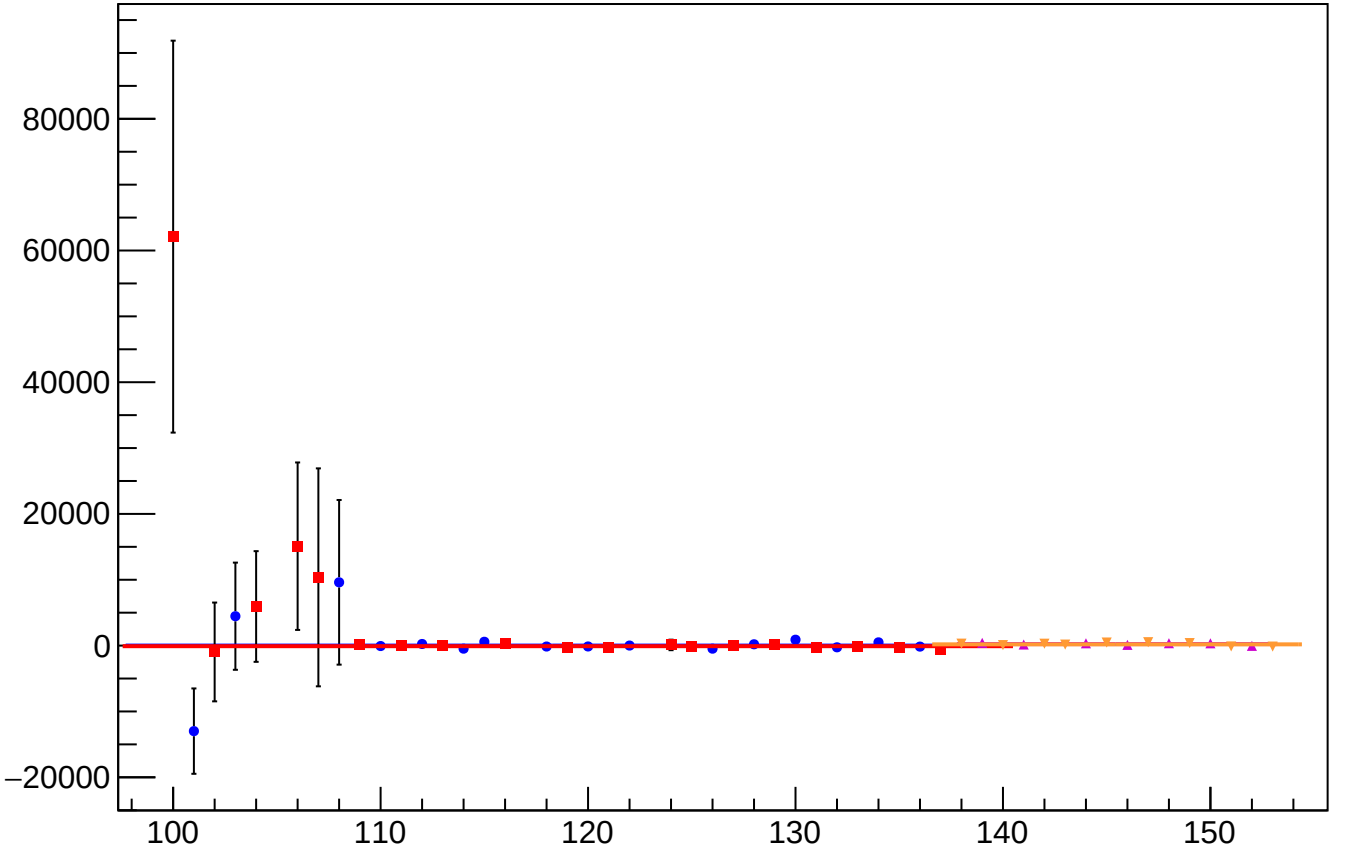
Right: 2.469+/-0.001 χ^2/NDF: 23171686.0/34

In: 2.548+/-0.002 χ^2/NDF:23327266.5/22

Out: 2.534+/-0.001 χ^2/NDF:25203505.3/27

All: 2.540+/-0.001 χ^2/NDF: 48530818.9/50

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 191.020+/-100.289 χ^2/NDF:4.7/8

Right Out: -88.089+/-81.605 χ^2/NDF: 14.9/18

Left In: 234.552+/-99.435 χ^2/NDF:2.8/6

Left: 212.972+/-70.611 χ^2/NDF: 7.6/15

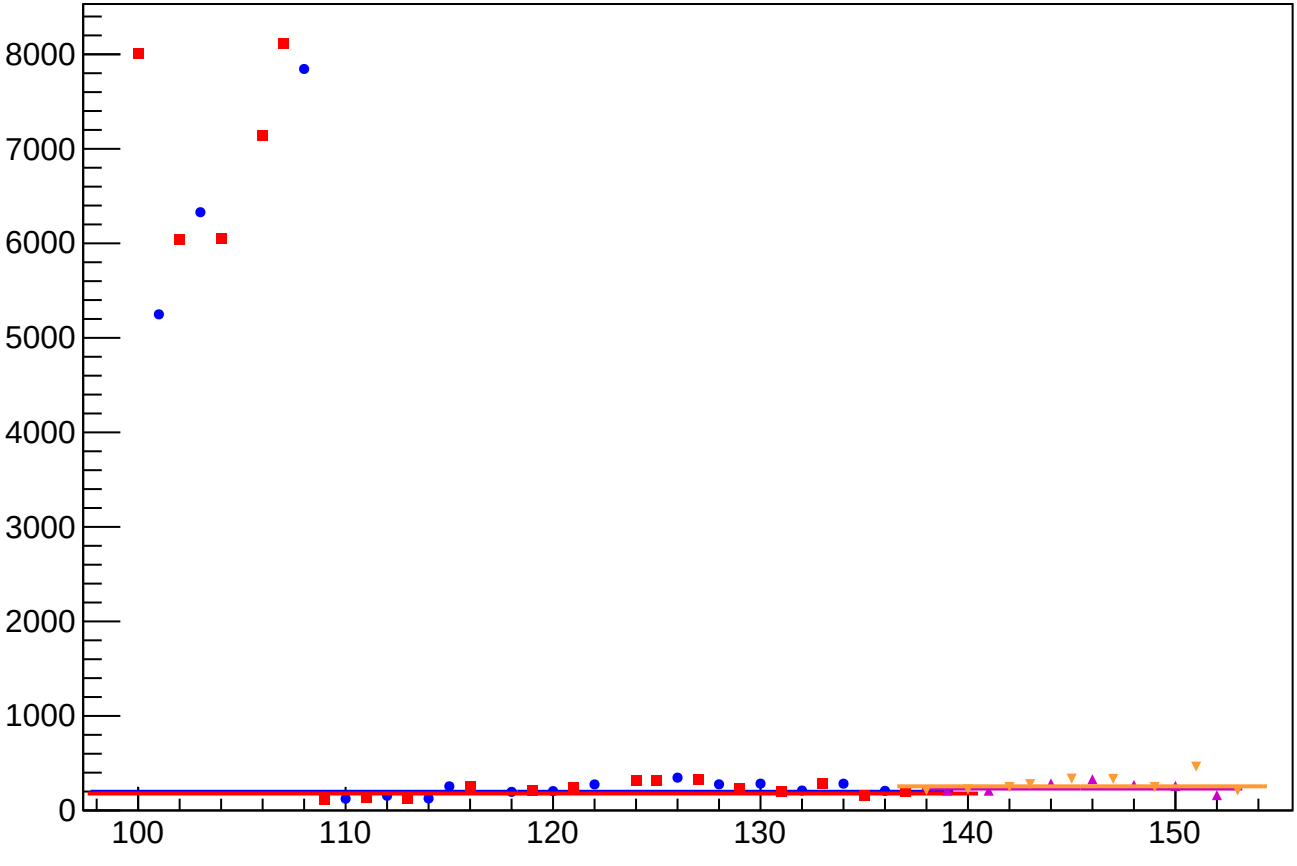
Right: -47.007+/-59.781 χ^2/NDF: 32.3/34

In: 103.110+/-65.825 χ^2/NDF:22.8/22

Out: 23.095+/-63.298 χ^2/NDF:24.2/27

All: 61.537+/-45.625 χ^2/NDF: 47.7/50

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 255.303+/-0.071 χ^2/NDF:691223.0/8

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

Left In: 231.702+/-0.070 χ^2/NDF:500196.1/6

Left: 243.402+/-0.050 χ^2/NDF: 1247271.5/15

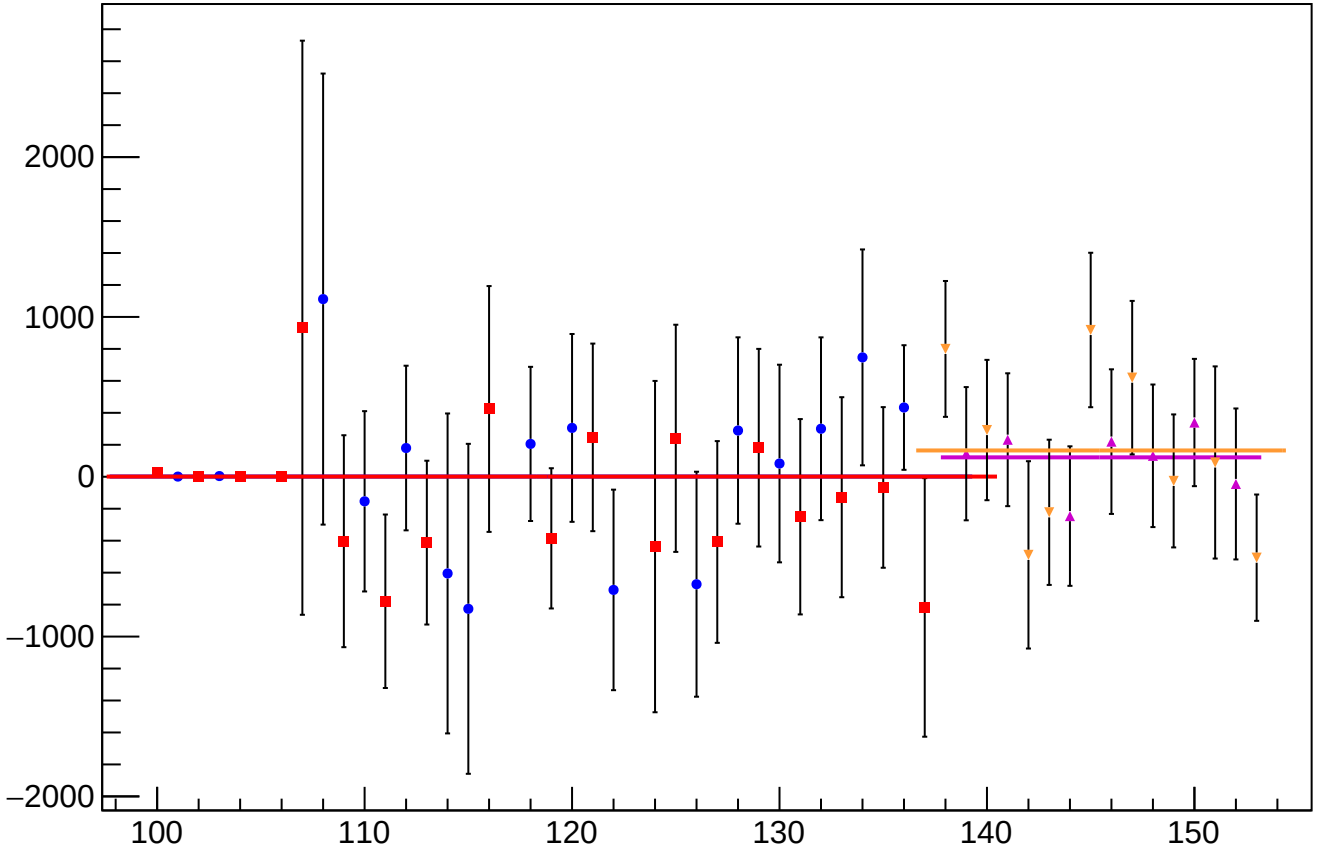
Right: 187.761+/-0.042 χ^2/NDF: 8422574.8/34

In: 212.555+/-0.047 χ^2/NDF:4589388.6/22

Out: 209.546+/-0.045 χ^2/NDF:5801633.7/27

All: 210.992+/-0.032 χ^2/NDF: 10393194.7/50

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 164.554+/-154.223 χ^2/NDF:10.7/8

Right Out: 1.094+/-1.528 χ^2/NDF: 9.2/18

Left In: 121.395+/-163.318 χ^2/NDF:1.3/6

Left: 144.210+/-112.130 χ^2/NDF: 12.0/15

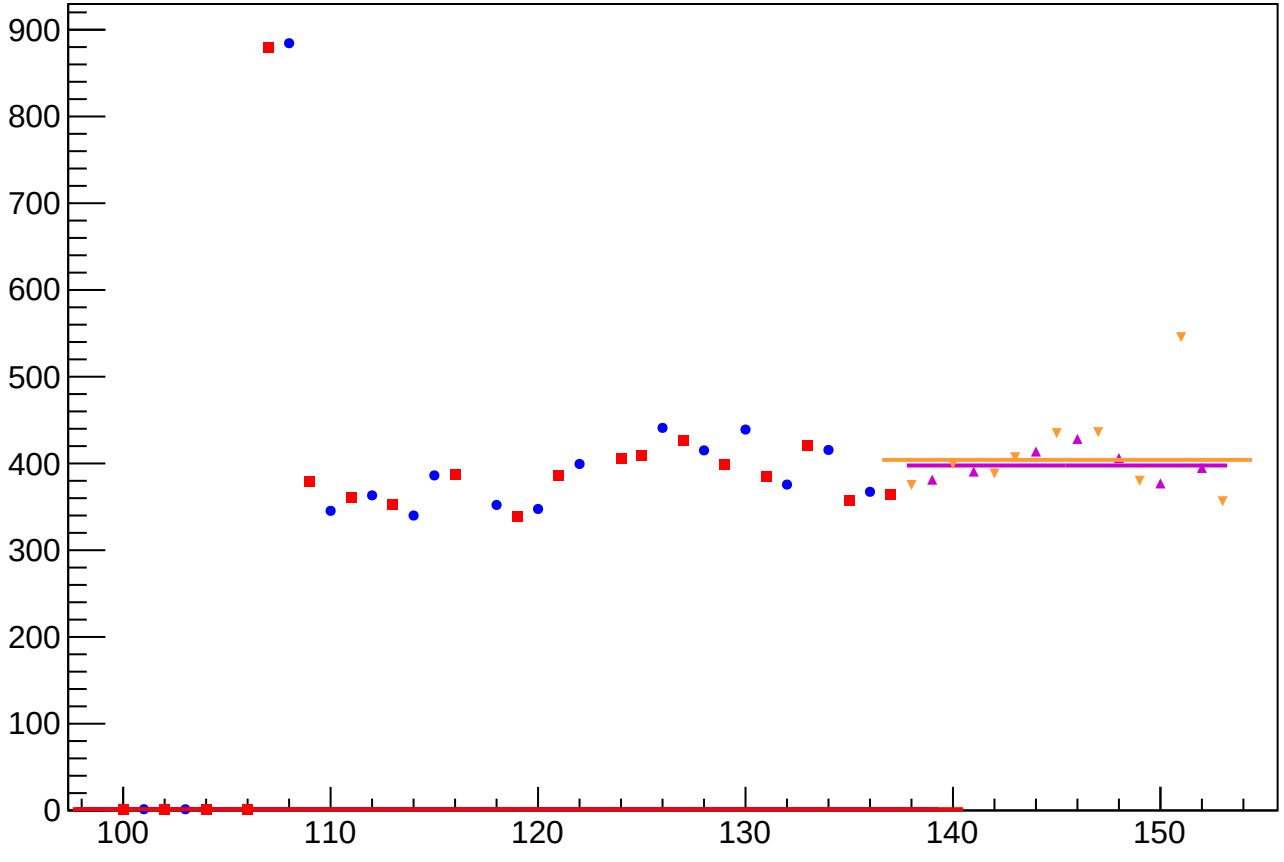
Right: 1.260+/-1.124 χ^2/NDF: 17.1/34

In: 1.468+/-1.660 χ^2/NDF:9.7/22

Out: 1.110+/-1.528 χ^2/NDF:21.0/27

All: 1.274+/-1.124 χ^2/NDF: 30.7/50

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 404.131+/-0.109 χ^2/NDF:174529.9/8

Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

Left In: 397.678+/-0.115 χ^2/NDF:21726.7/6

Left: 401.089+/-0.079 χ^2/NDF: 197907.0/15

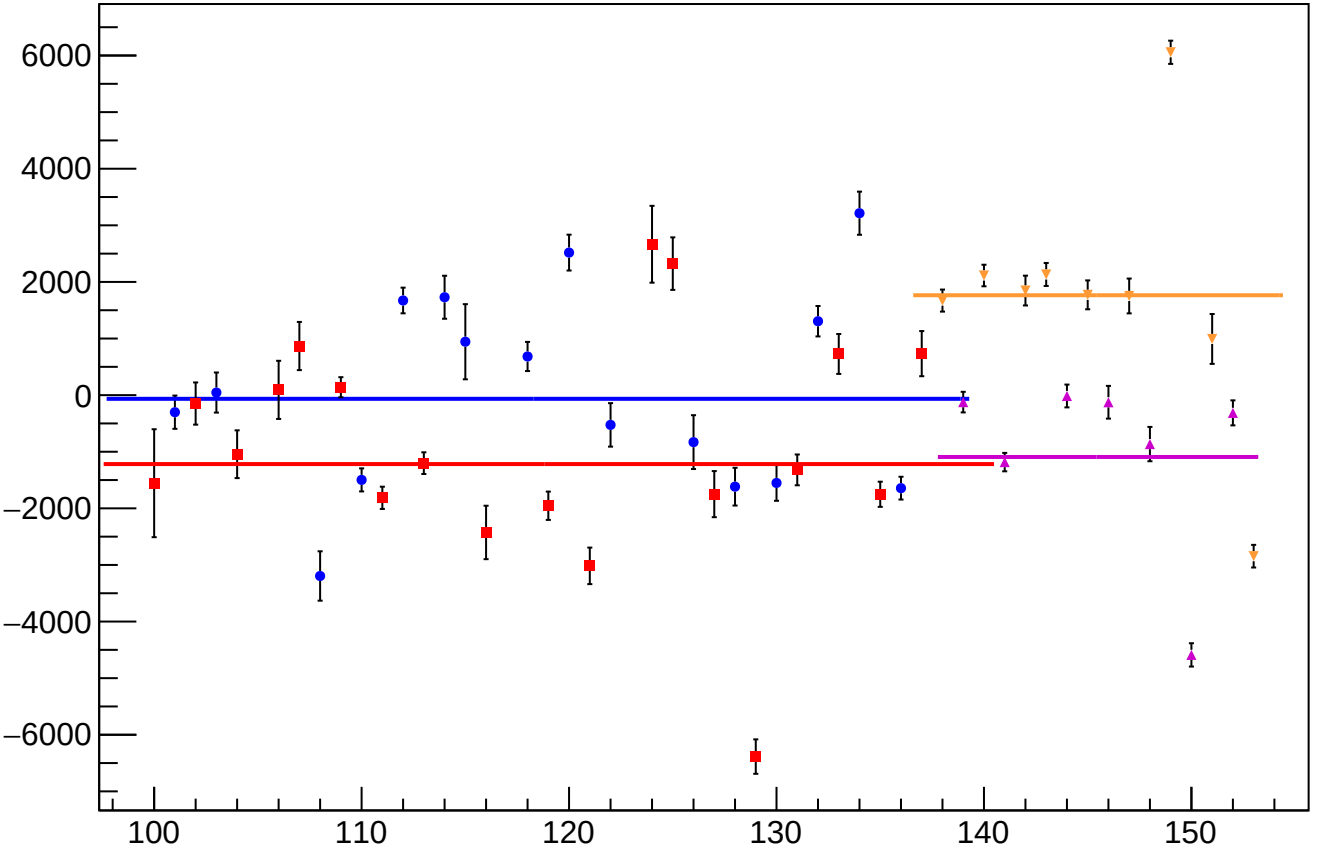
Right: 1.469+/-0.001 χ^2/NDF: 23005768.2/34

In: 1.511+/-0.001 χ^2/NDF:23526668.7/22

Out: 1.507+/-0.001 χ^2/NDF:25077477.0/27

All: 1.509+/-0.001 χ^2/NDF: 48604153.5/50

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 1765.006+/-76.151 χ^2/NDF:978.6/8

Right Out: -1217.846+/-69.022 χ^2/NDF: 594.6/18

Left In: -1092.484+/-79.197 χ^2/NDF:369.6/6

Left: 392.263+/-54.892 χ^2/NDF: 2024.6/15

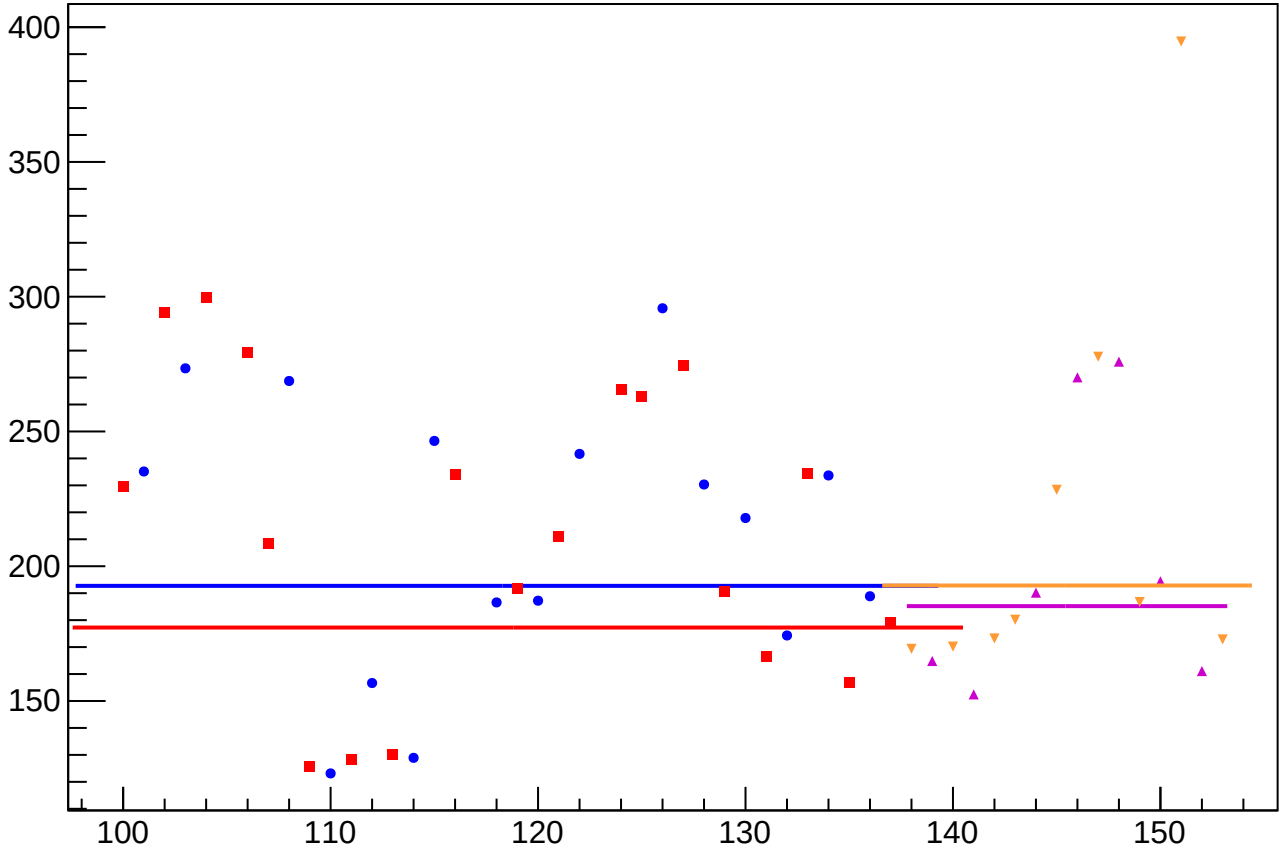
Right: -688.385+/-50.755 χ^2/NDF: 1192.2/34

In: -550.078+/-54.416 χ^2/NDF:928.0/22

Out: 127.460+/-51.141 χ^2/NDF:2415.5/27

All: -190.308+/-37.266 χ^2/NDF: 3425.7/50

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 192.856+/-0.054 χ^2/NDF:709019.7/8

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

Left In: 185.196+/-0.056 χ^2/NDF:486373.3/6

Left: 189.176+/-0.039 χ^2/NDF: 1205112.8/15

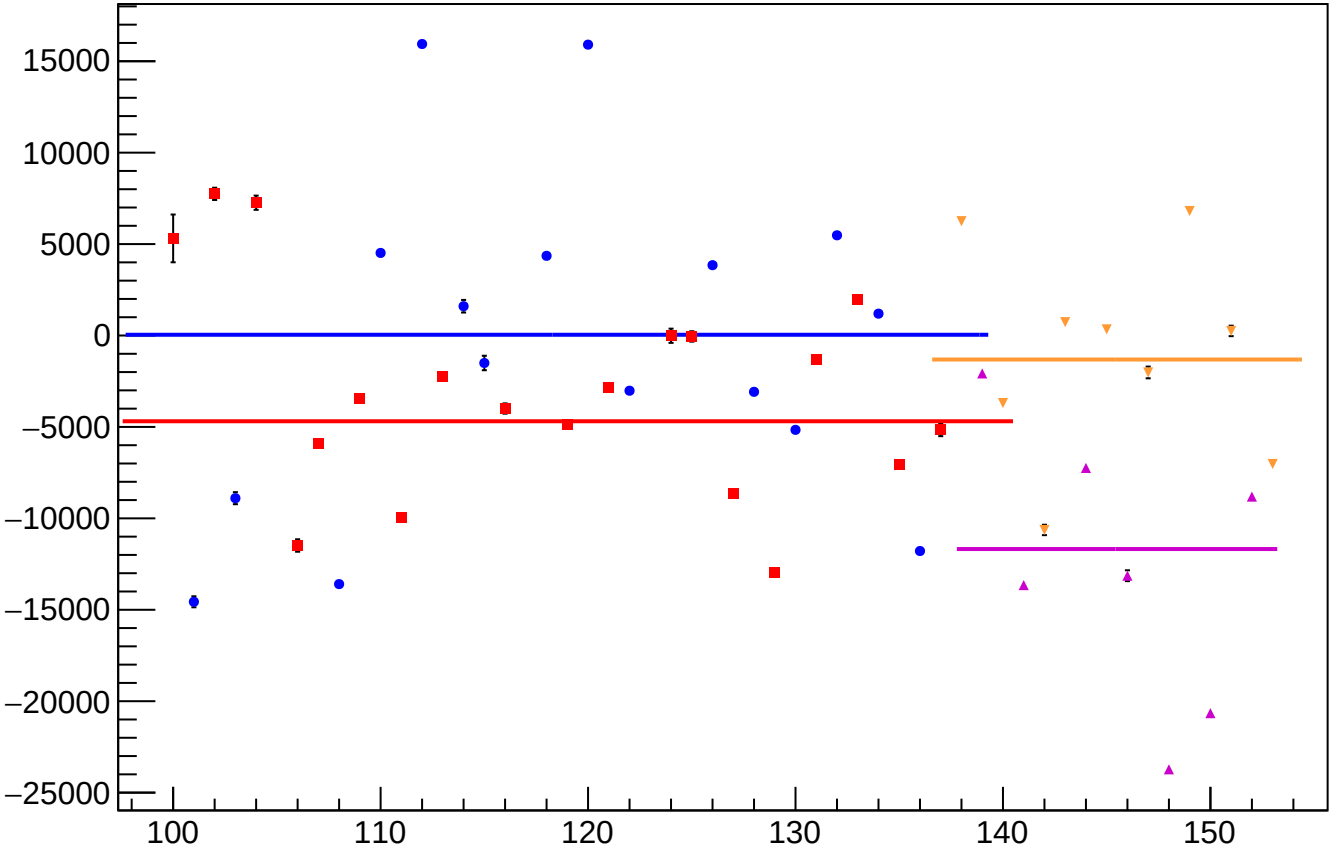
Right: 184.355+/-0.036 χ^2/NDF: 2031455.3/34

In: 189.168+/-0.038 χ^2/NDF:1255045.7/22

Out: 184.289+/-0.036 χ^2/NDF:1981303.4/27

All: 186.577+/-0.026 χ^2/NDF: 3244885.0/50

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -1313.495+/-73.649 χ^2/NDF:5788.9/8

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -11678.075+/-84.539 χ^2/NDF:7040.5/6

Left: -5785.602+/-55.531 χ^2/NDF: 21374.8/15

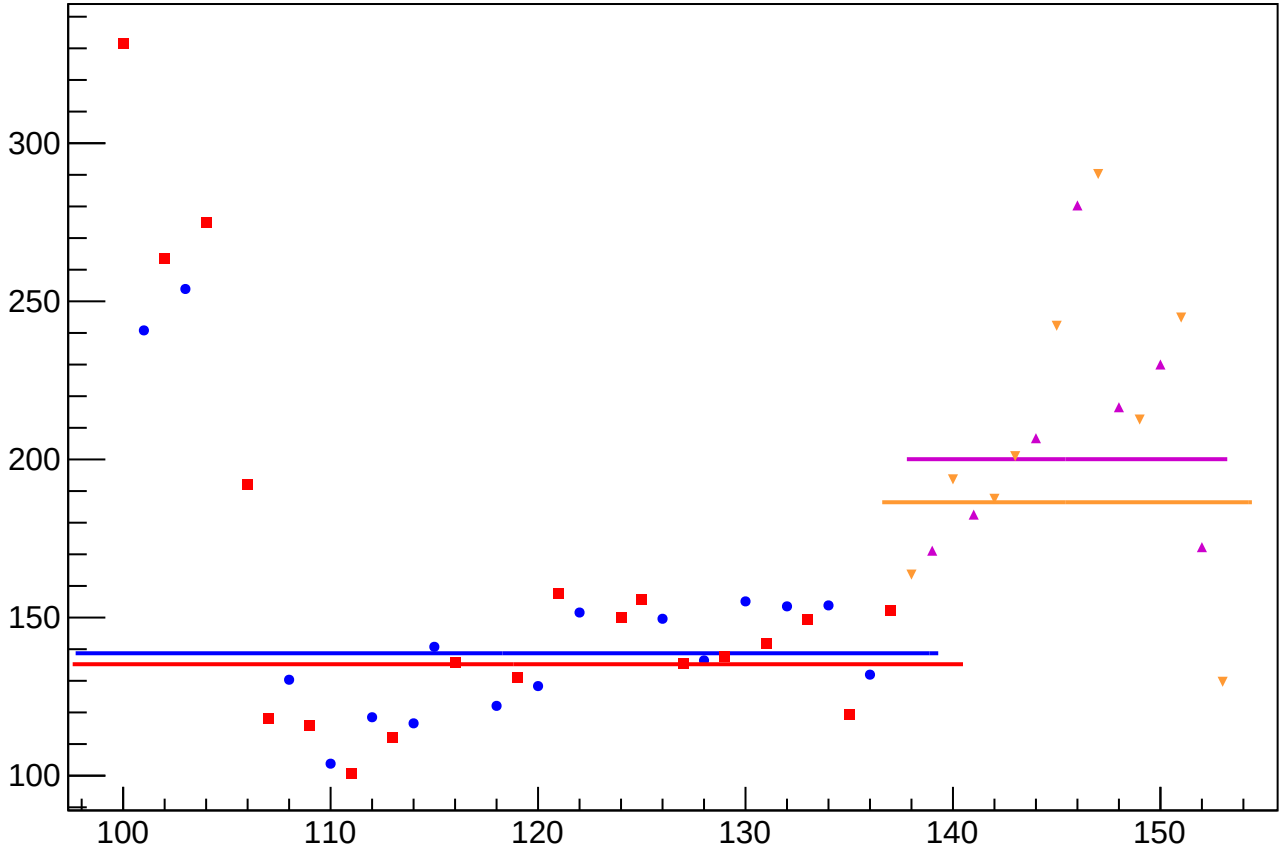
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -3372.745+/-45.627 χ^2/NDF:51445.4/22

Out: -3563.796+/-42.531 χ^2/NDF:14985.3/27

All: -3474.973+/-31.111 χ^2/NDF: 66440.0/50

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 186.465+/-0.052 χ^2/NDF:754538.6/8

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 200.081+/-0.060 χ^2/NDF:281794.4/6

Left: 192.340+/-0.039 χ^2/NDF: 1065827.3/15

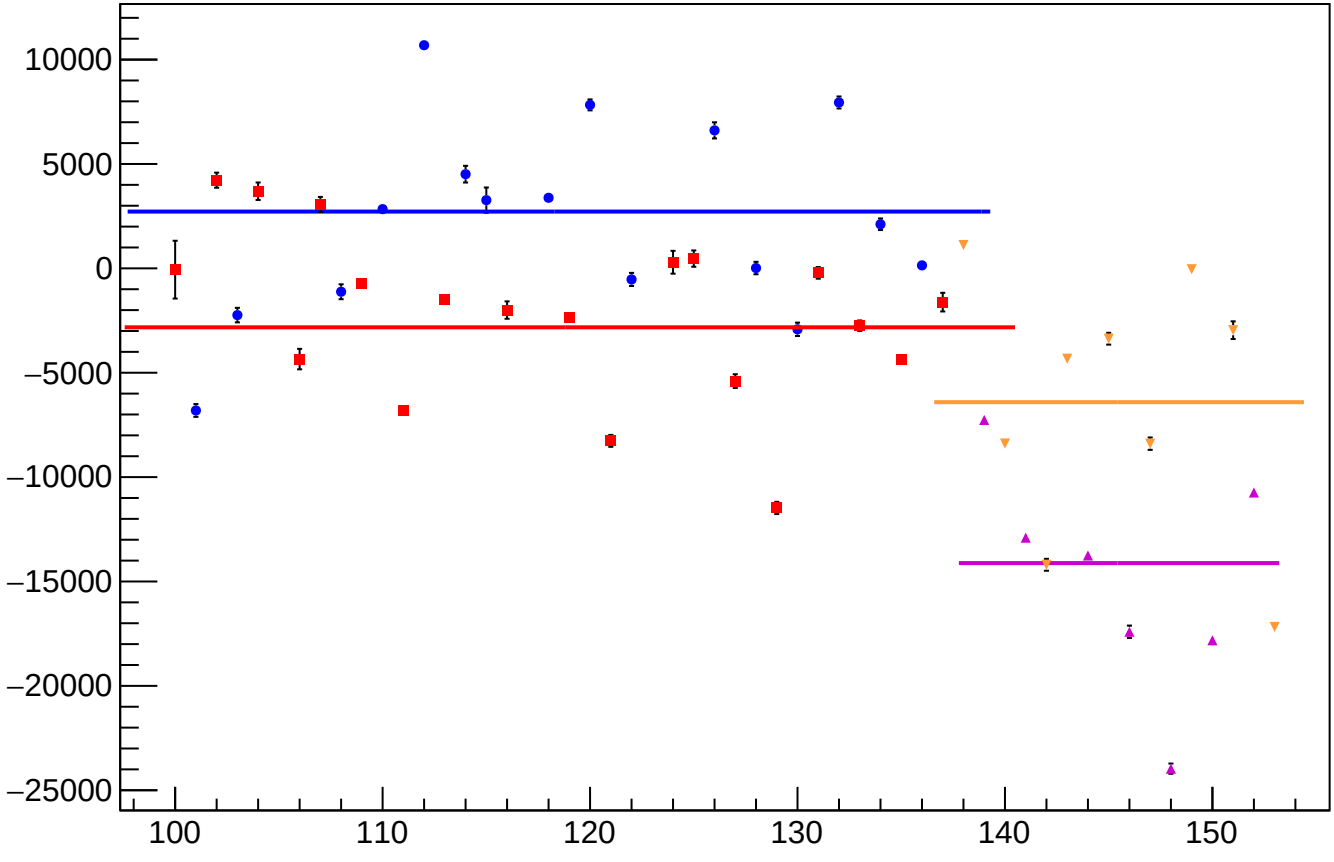
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 156.588+/-0.032 χ^2/NDF:1686510.5/22

Out: 152.326+/-0.030 χ^2/NDF:2289310.4/27

All: 154.308+/-0.022 χ^2/NDF: 3985158.7/50

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -6409.805+/-80.726 χ^2/NDF:6268.0/8

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -14117.968+/-84.391 χ^2/NDF:3461.7/6

Left: -10092.841+/-58.335 χ^2/NDF: 14086.1/15

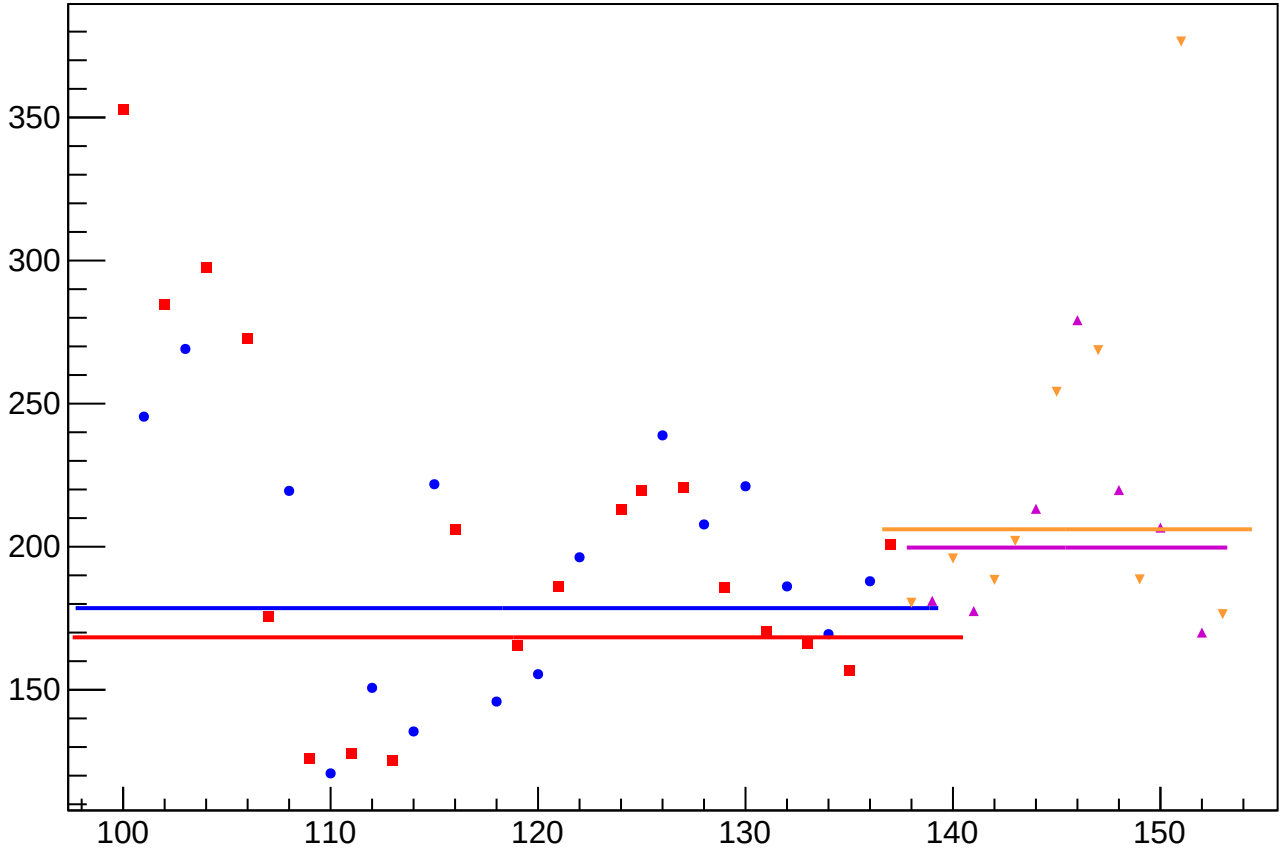
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -4055.251+/-53.532 χ^2/NDF:31381.5/22

Out: -4230.257+/-50.557 χ^2/NDF:10530.2/27

All: -4147.752+/-36.756 χ^2/NDF: 41917.3/50

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 206.093+/-0.057 χ^2/NDF:570945.2/8

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 199.700+/-0.060 χ^2/NDF:244889.7/6

Left: 203.039+/-0.041 χ^2/NDF: 821828.1/15

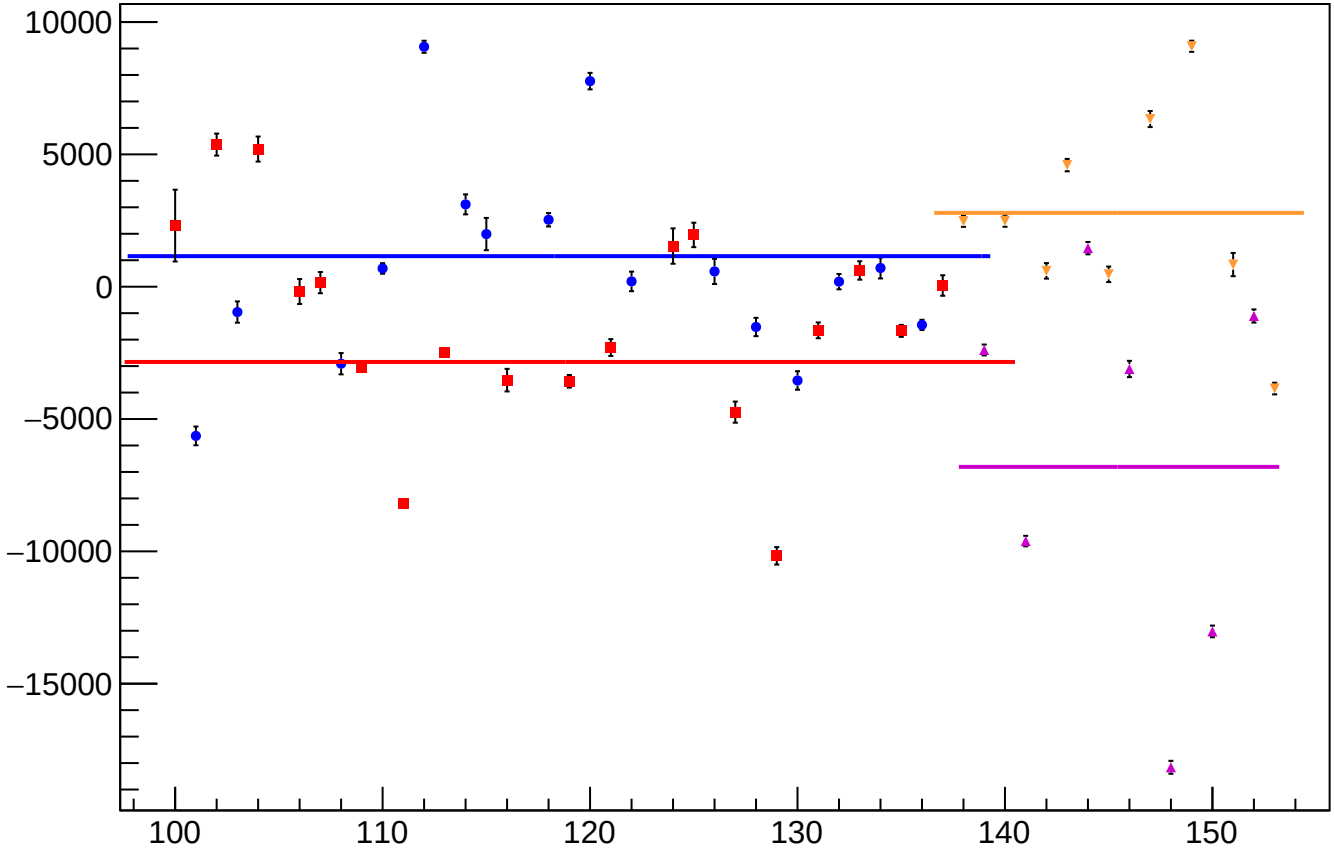
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 187.055+/-0.038 χ^2/NDF:994593.6/22

Out: 183.145+/-0.036 χ^2/NDF:1816366.0/27

All: 184.988+/-0.026 χ^2/NDF: 2816600.2/50

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 2789.374+/-84.016 χ^2/NDF:2139.1/8

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -6807.463+/-87.283 χ^2/NDF:5522.9/6

Left: -1826.120+/-60.530 χ^2/NDF: 13937.1/15

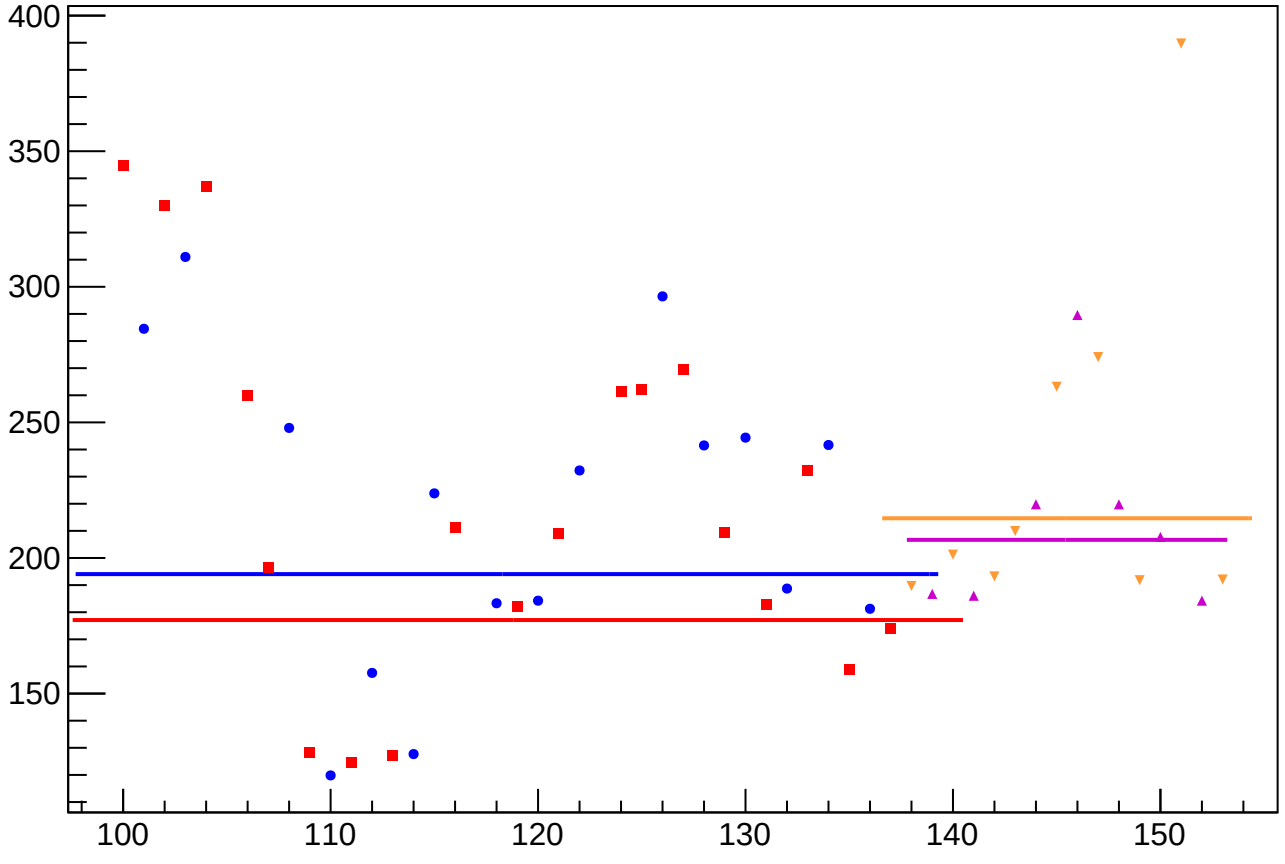
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -2277.090+/-57.298 χ^2/NDF:12912.6/22

Out: -569.360+/-53.386 χ^2/NDF:7272.7/27

All: -1362.944+/-39.060 χ^2/NDF: 20660.8/50

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 214.641+/-0.059 χ^2/NDF:538437.0/8

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 206.690+/-0.062 χ^2/NDF:213463.8/6

Left: 210.817+/-0.043 χ^2/NDF: 760514.0/15

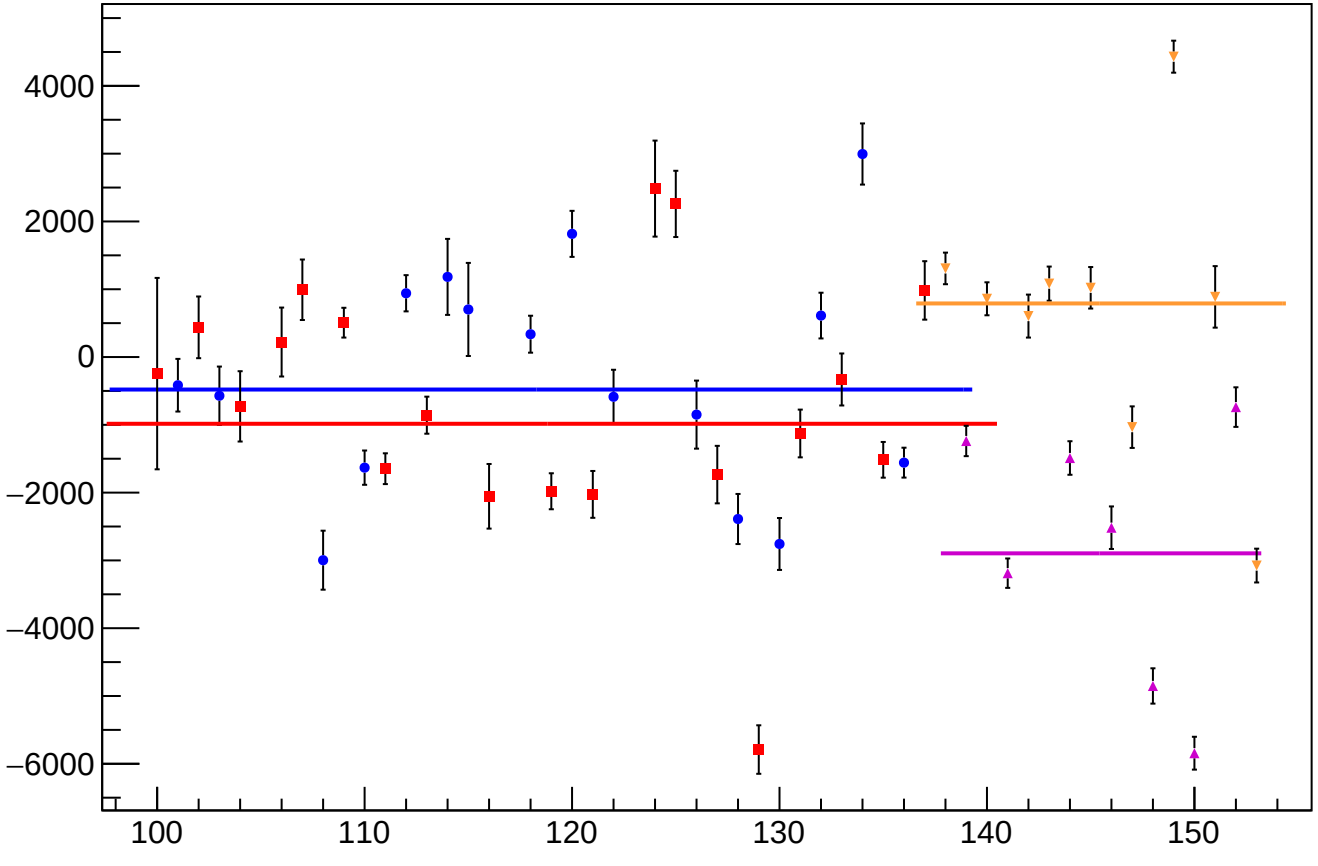
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 199.499+/-0.041 χ^2/NDF:1203108.4/22

Out: 192.267+/-0.038 χ^2/NDF:2135672.0/27

All: 195.628+/-0.028 χ^2/NDF: 3355837.1/50

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 790.518+/-90.824 χ^2/NDF:521.0/8

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -2895.724+/-94.814 χ^2/NDF:349.5/6

Left: -973.412+/-65.587 χ^2/NDF: 1658.7/15

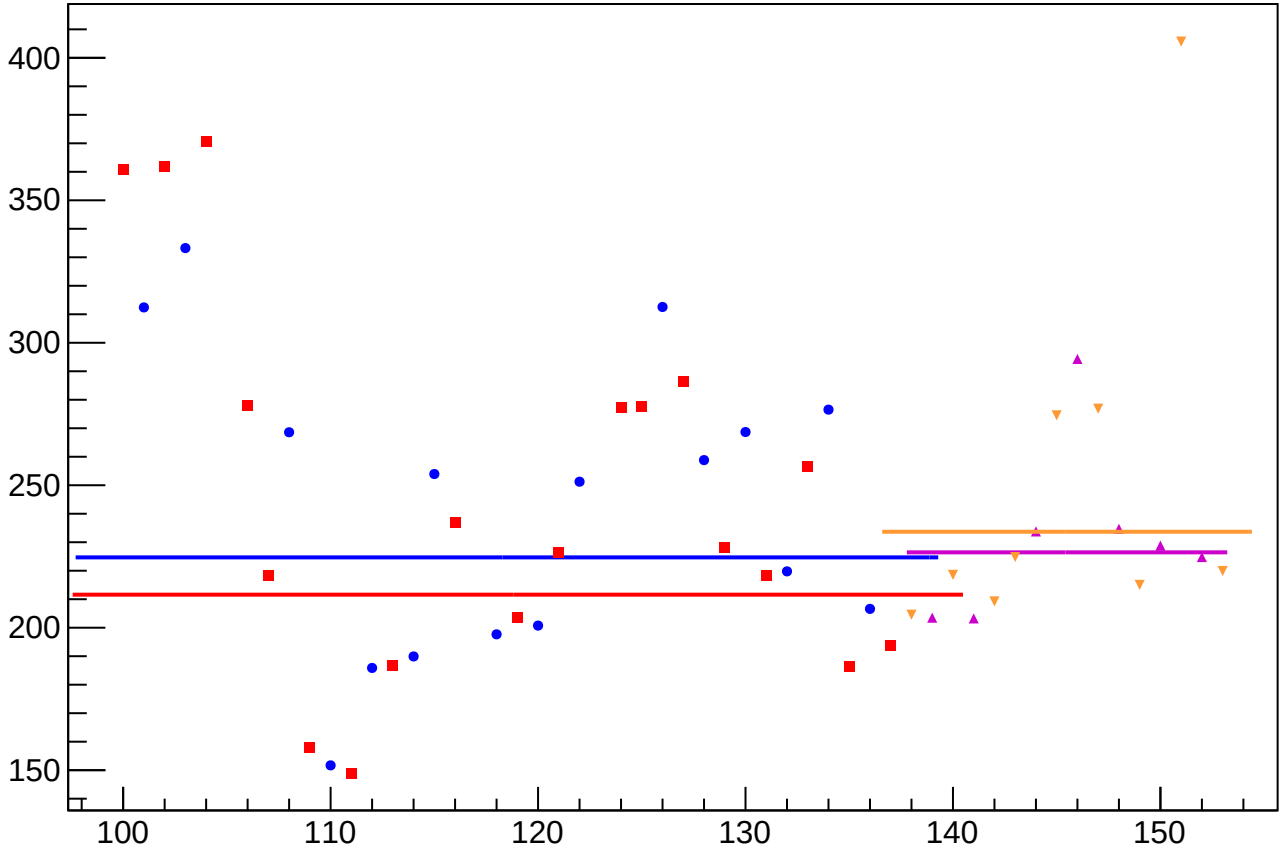
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -1579.503+/-63.977 χ^2/NDF:1008.7/22

Out: -198.737+/-60.429 χ^2/NDF:1132.0/27

All: -849.776+/-43.930 χ^2/NDF: 2386.9/50

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 233.680+/-0.064 χ^2/NDF:434672.8/8

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 226.452+/-0.067 χ^2/NDF:141511.9/6

Left: 230.221+/-0.046 χ^2/NDF: 582244.7/15

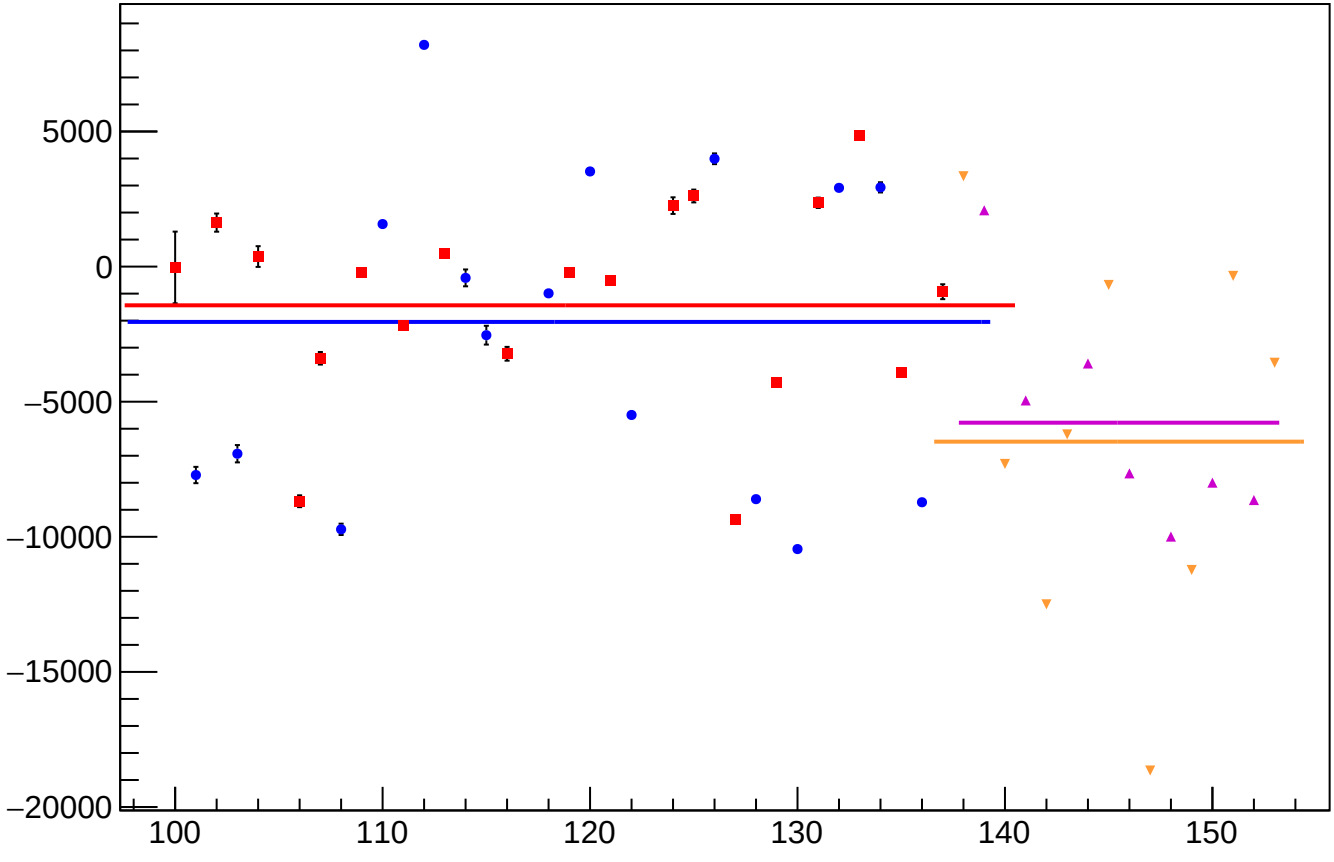
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 225.488+/-0.045 χ^2/NDF:795084.9/22

Out: 221.371+/-0.043 χ^2/NDF:1433480.4/27

All: 223.313+/-0.031 χ^2/NDF: 2232942.5/50

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -6478.394+/-43.098 χ^2/NDF:23481.0/8

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -5776.871+/-46.669 χ^2/NDF:6476.5/6

Left: -6155.490+/-31.662 χ^2/NDF: 30079.4/15

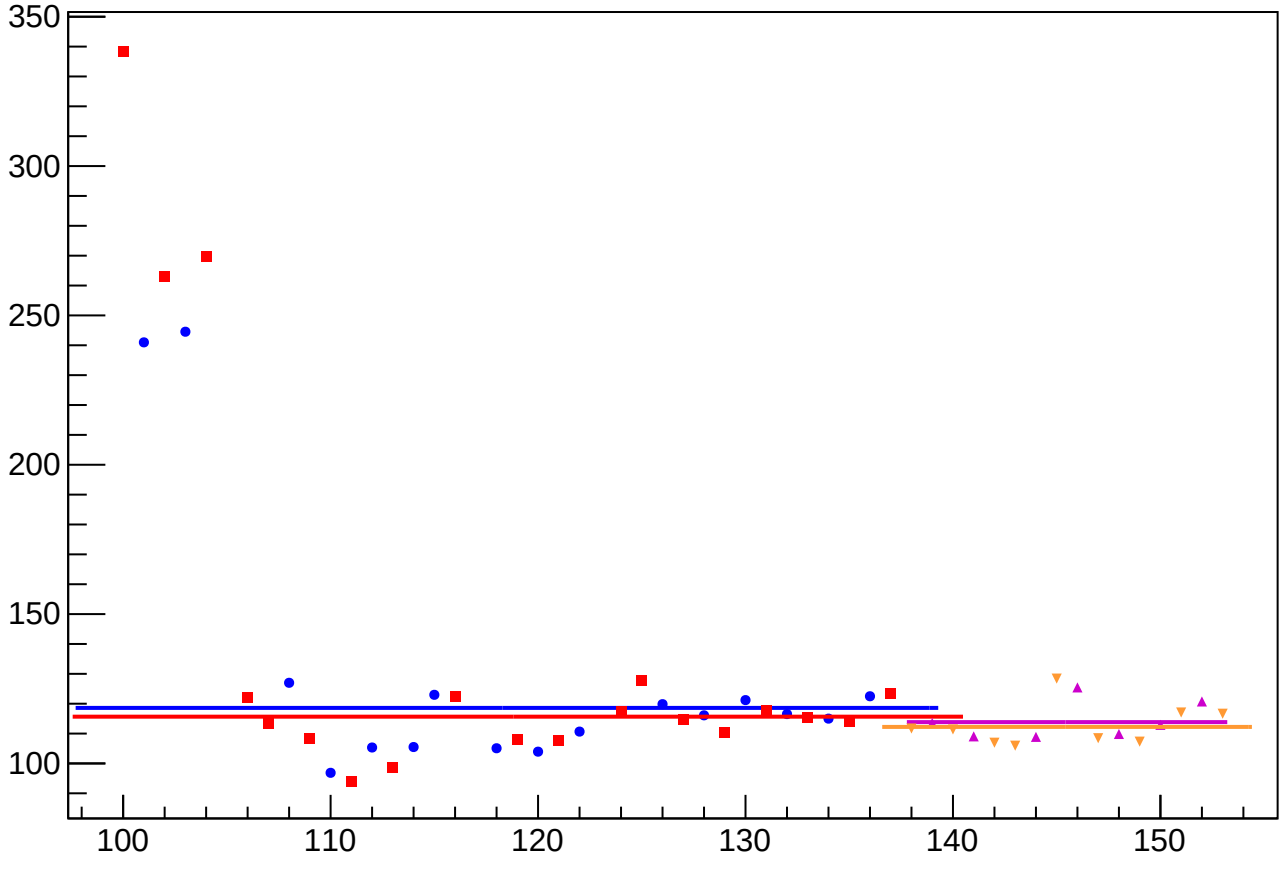
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -3914.198+/-33.018 χ^2/NDF:26375.3/22

Out: -4049.300+/-31.036 χ^2/NDF:36467.0/27

All: -3985.927+/-22.614 χ^2/NDF: 62851.2/50

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 112.229+/-0.030 χ^2/NDF:43184.1/8

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 113.836+/-0.033 χ^2/NDF:29788.9/6

Left: 112.968+/-0.022 χ^2/NDF: 74252.2/15

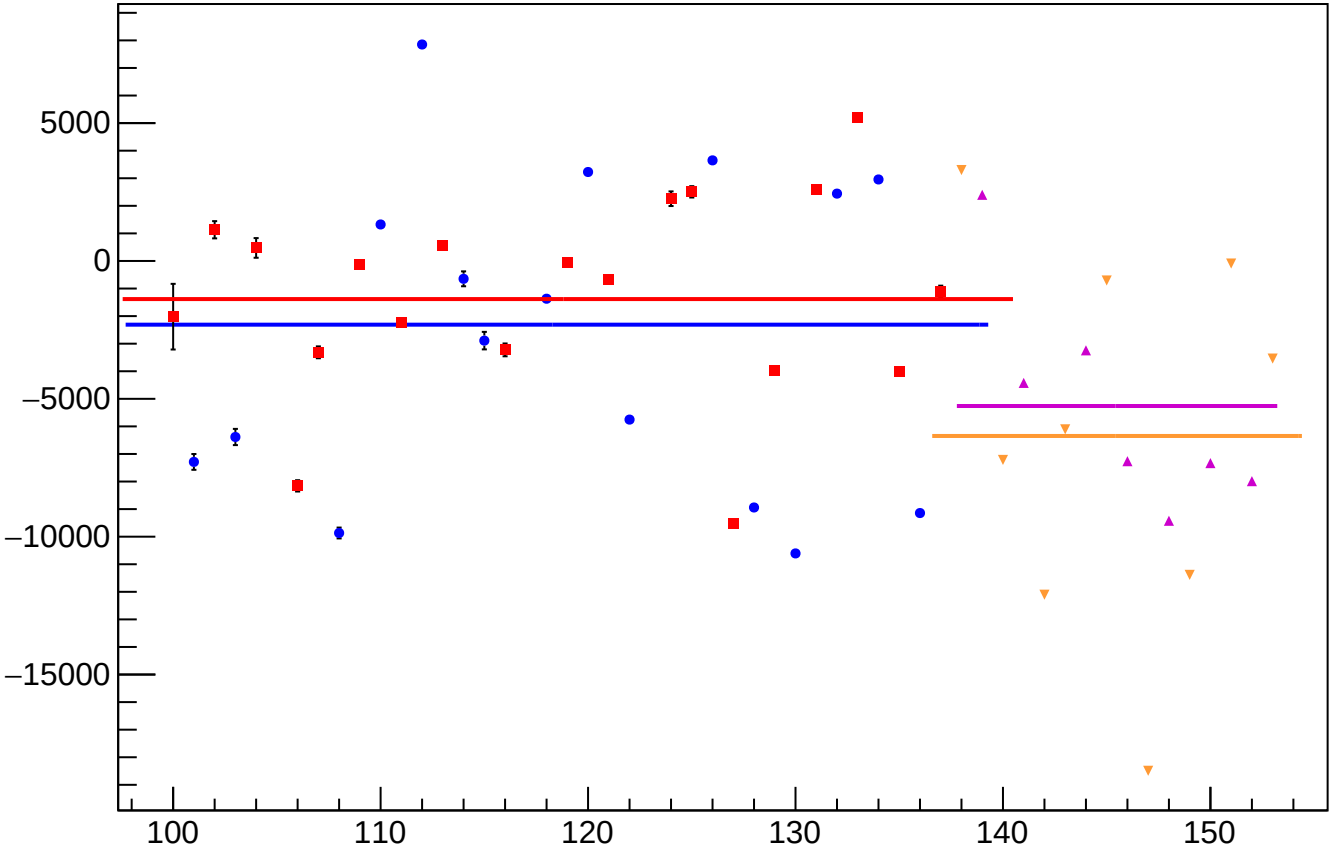
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 116.213+/-0.023 χ^2/NDF:774340.2/22

Out: 113.881+/-0.022 χ^2/NDF:913491.3/27

All: 114.975+/-0.016 χ^2/NDF: 1693129.8/50

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -6347.384+/-39.132 χ^2/NDF:28016.0/8

Right Out: -1382.178+/-39.342 χ^2/NDF: 8578.9/18

Left In: -5260.527+/-42.449 χ^2/NDF:7582.4/6

Left: -5848.073+/-28.772 χ^2/NDF: 35952.8/15

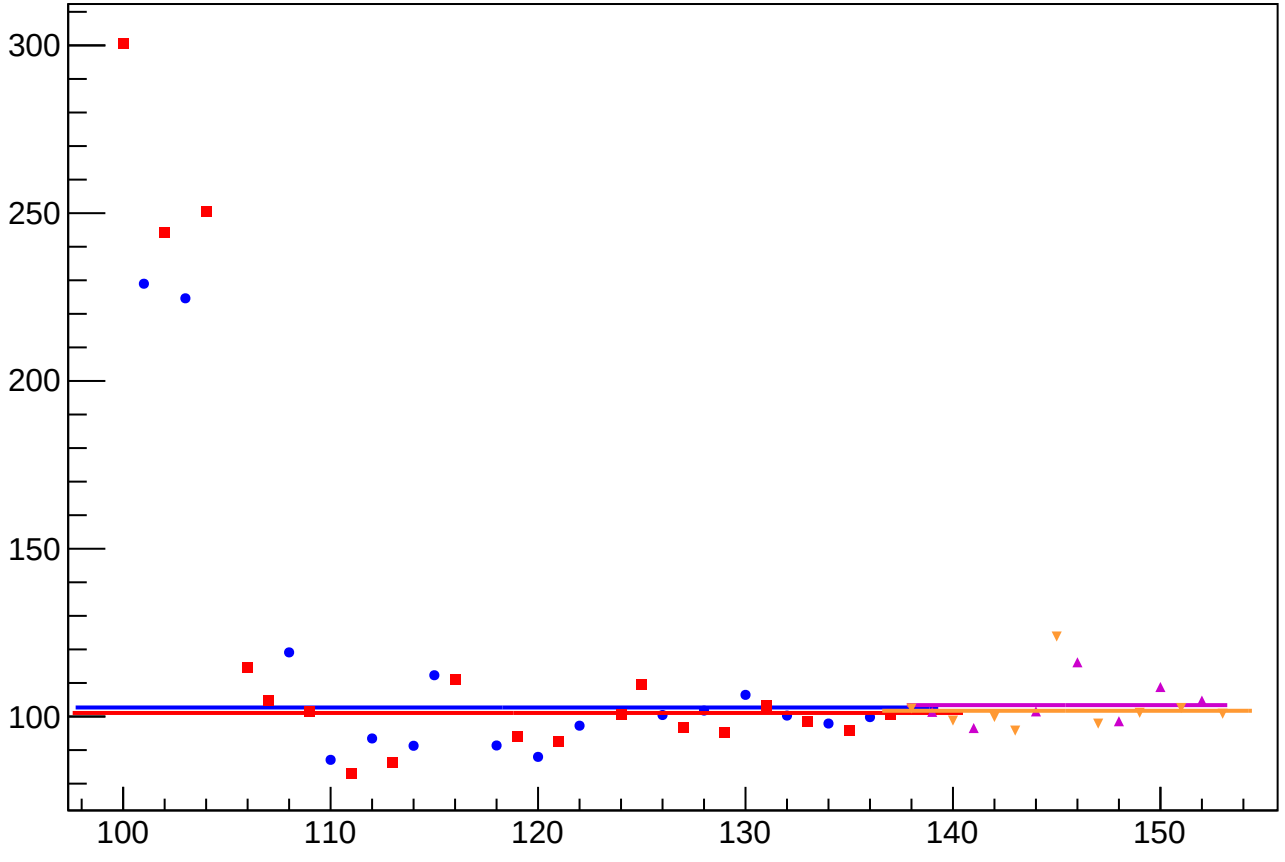
Right: -1830.238+/-28.298 χ^2/NDF: 30527.1/34

In: -3724.780+/-29.391 χ^2/NDF:31776.1/22

Out: -3878.063+/-27.744 χ^2/NDF:44601.6/27

All: -3805.835+/-20.175 χ^2/NDF: 76392.1/50

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 101.714+/-0.028 χ^2/NDF:60502.6/8

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

Left In: 103.397+/-0.030 χ^2/NDF:39439.3/6

Left: 102.487+/-0.020 χ^2/NDF: 101641.3/15

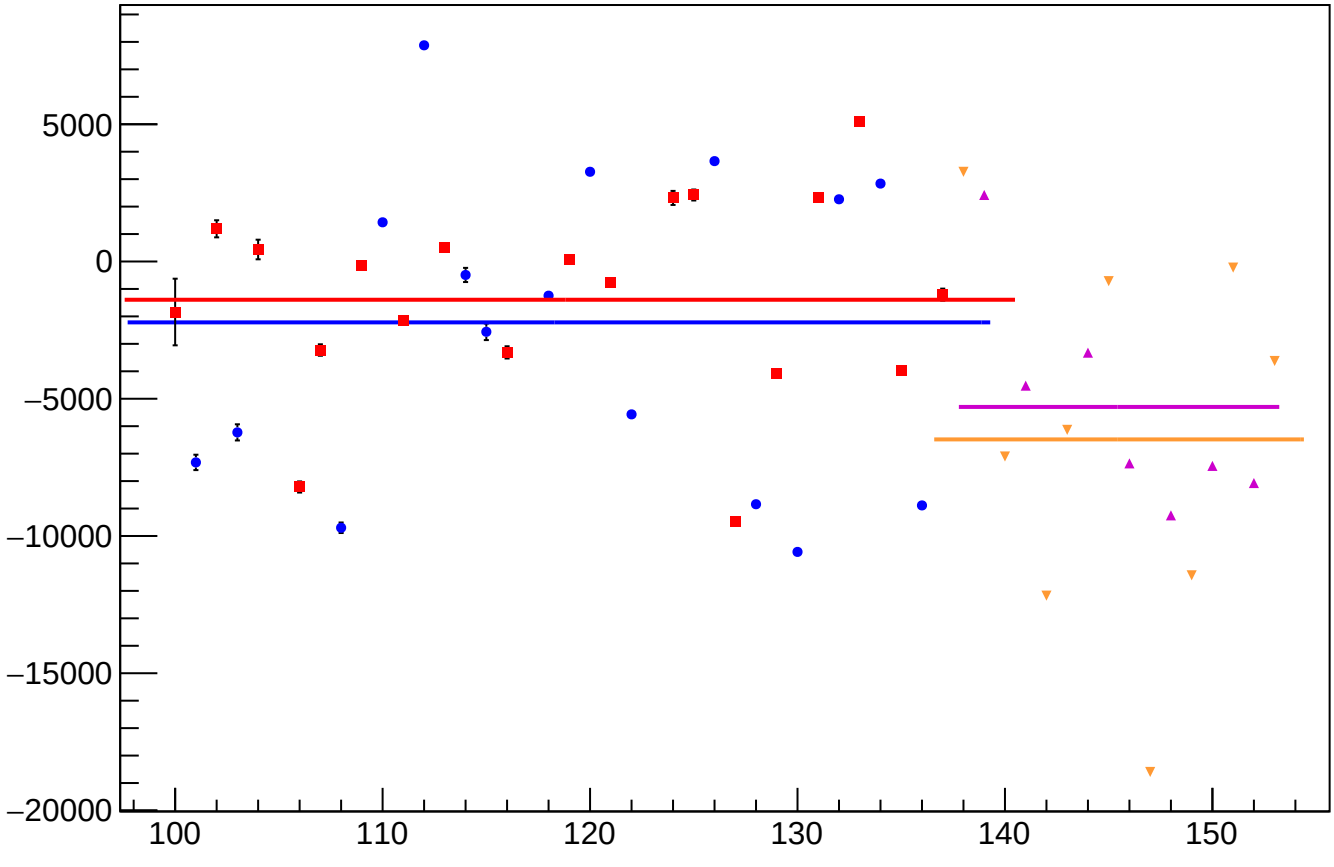
Right: 101.850+/-0.020 χ^2/NDF: 1757917.4/34

In: 103.031+/-0.021 χ^2/NDF:865526.5/22

Out: 101.390+/-0.020 χ^2/NDF:991235.7/27

All: 102.163+/-0.014 χ^2/NDF: 1860056.9/50

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -6481.542+/-38.027 χ^2/NDF:30353.9/8

Right Out: -1393.557+/-37.580 χ^2/NDF: 9152.1/18

Left In: -5298.219+/-41.192 χ^2/NDF:8027.9/6

Left: -5937.084+/-27.941 χ^2/NDF: 38827.3/15

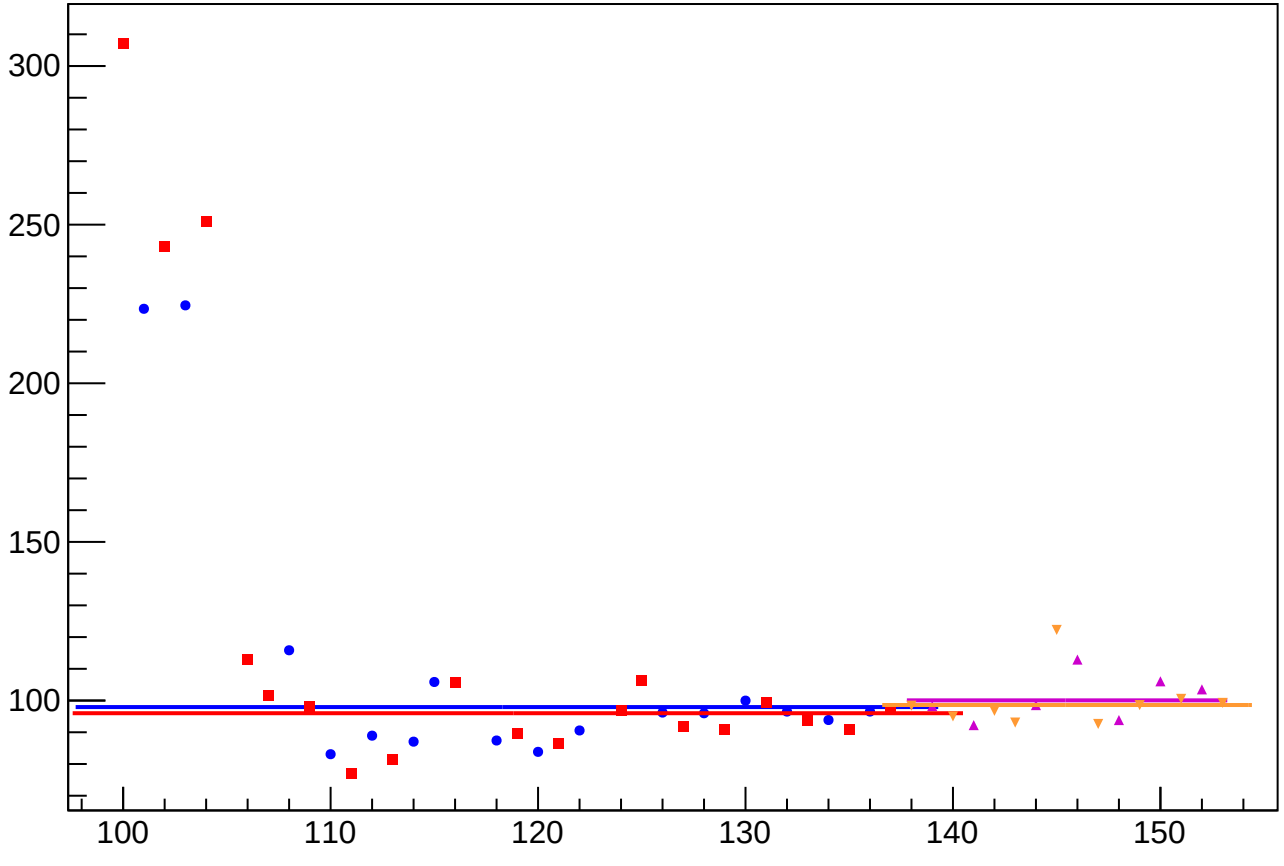
Right: -1790.108+/-27.074 χ^2/NDF: 32424.3/34

In: -3675.510+/-28.335 χ^2/NDF:34014.2/22

Out: -3907.432+/-26.730 χ^2/NDF:48562.9/27

All: -3798.228+/-19.444 χ^2/NDF: 82612.6/50

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 98.591+/-0.027 χ^2/NDF:73848.9/8

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

Left In: 100.059+/-0.029 χ^2/NDF:50311.7/6

Left: 99.266+/-0.020 χ^2/NDF: 125533.1/15

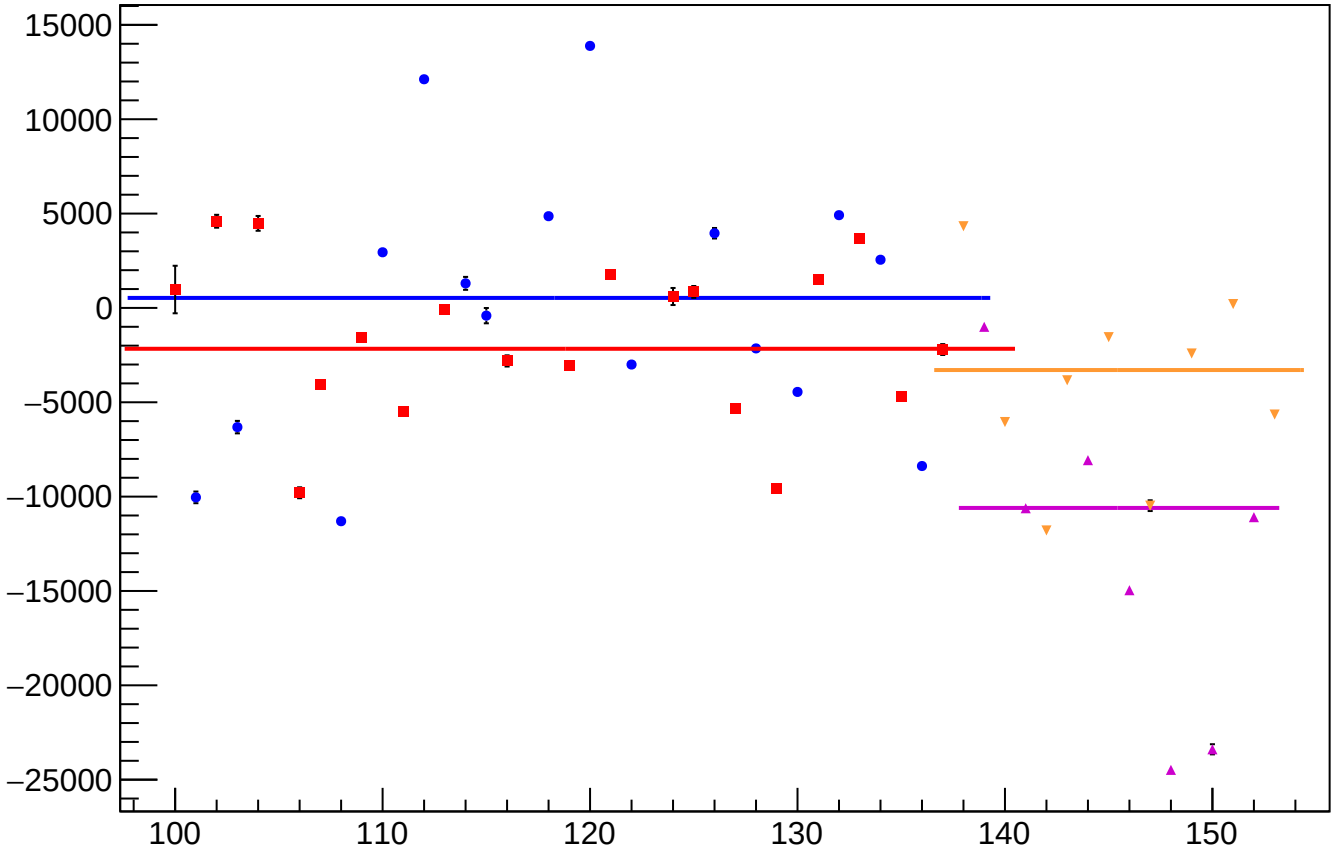
Right: 96.937+/-0.019 χ^2/NDF: 1882996.0/34

In: 98.945+/-0.020 χ^2/NDF:921239.3/22

Out: 97.282+/-0.019 χ^2/NDF:1090814.8/27

All: 98.065+/-0.014 χ^2/NDF: 2015696.2/50

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -3291.768+/-61.698 χ^2/NDF:5402.8/8

Right Out: -2164.994+/-53.458 χ^2/NDF: 4967.1/18

Left In: -10599.621+/-71.846 χ^2/NDF:9329.0/6

Left: -6393.521+/-46.807 χ^2/NDF: 20686.5/15

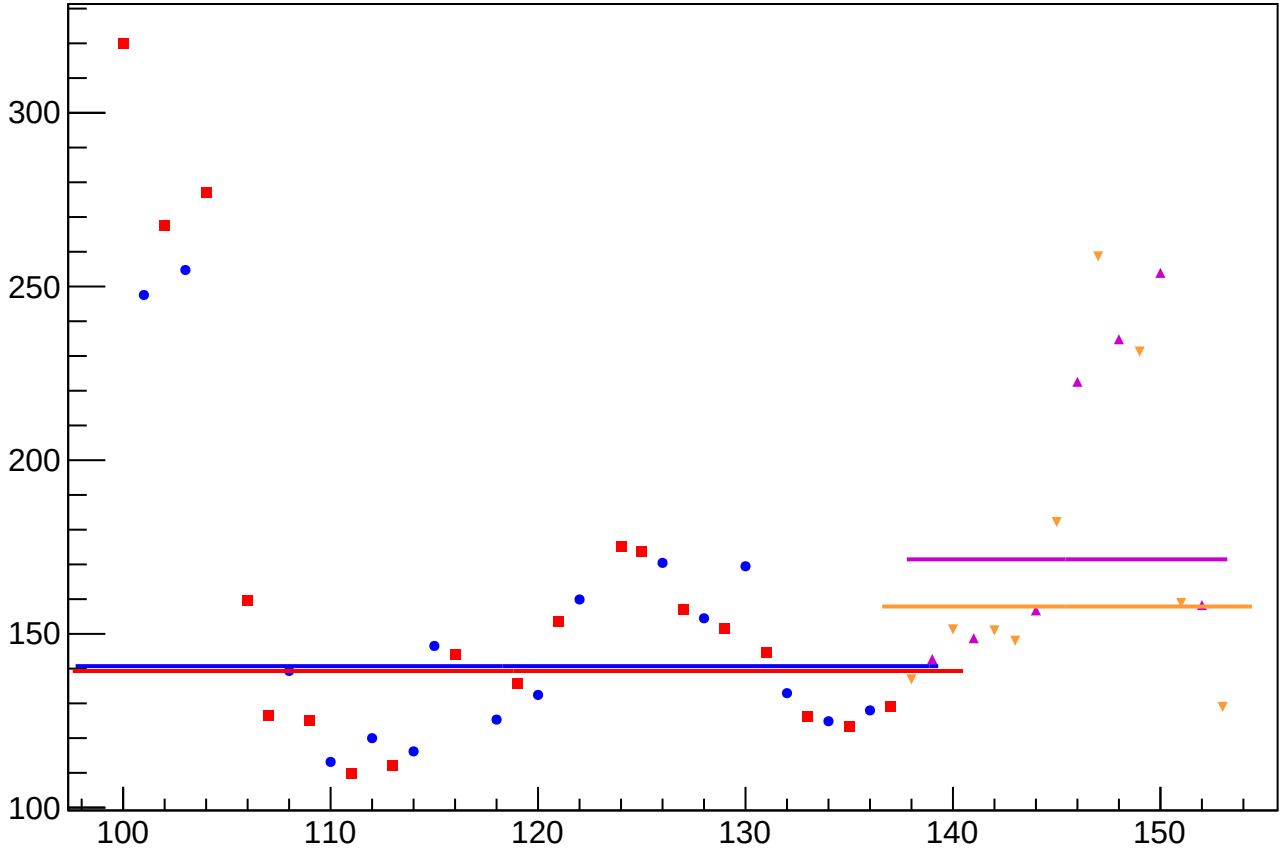
Right: -851.965+/-38.285 χ^2/NDF: 24793.2/34

In: -3568.246+/-43.600 χ^2/NDF:43077.8/22

Out: -2648.169+/-40.402 χ^2/NDF:10560.5/27

All: -3073.234+/-29.635 χ^2/NDF: 53877.8/50

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 157.879+/-0.044 χ^2/NDF:574638.1/8

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

Left In: 171.459+/-0.051 χ^2/NDF:532540.9/6

Left: 163.643+/-0.033 χ^2/NDF: 1148303.0/15

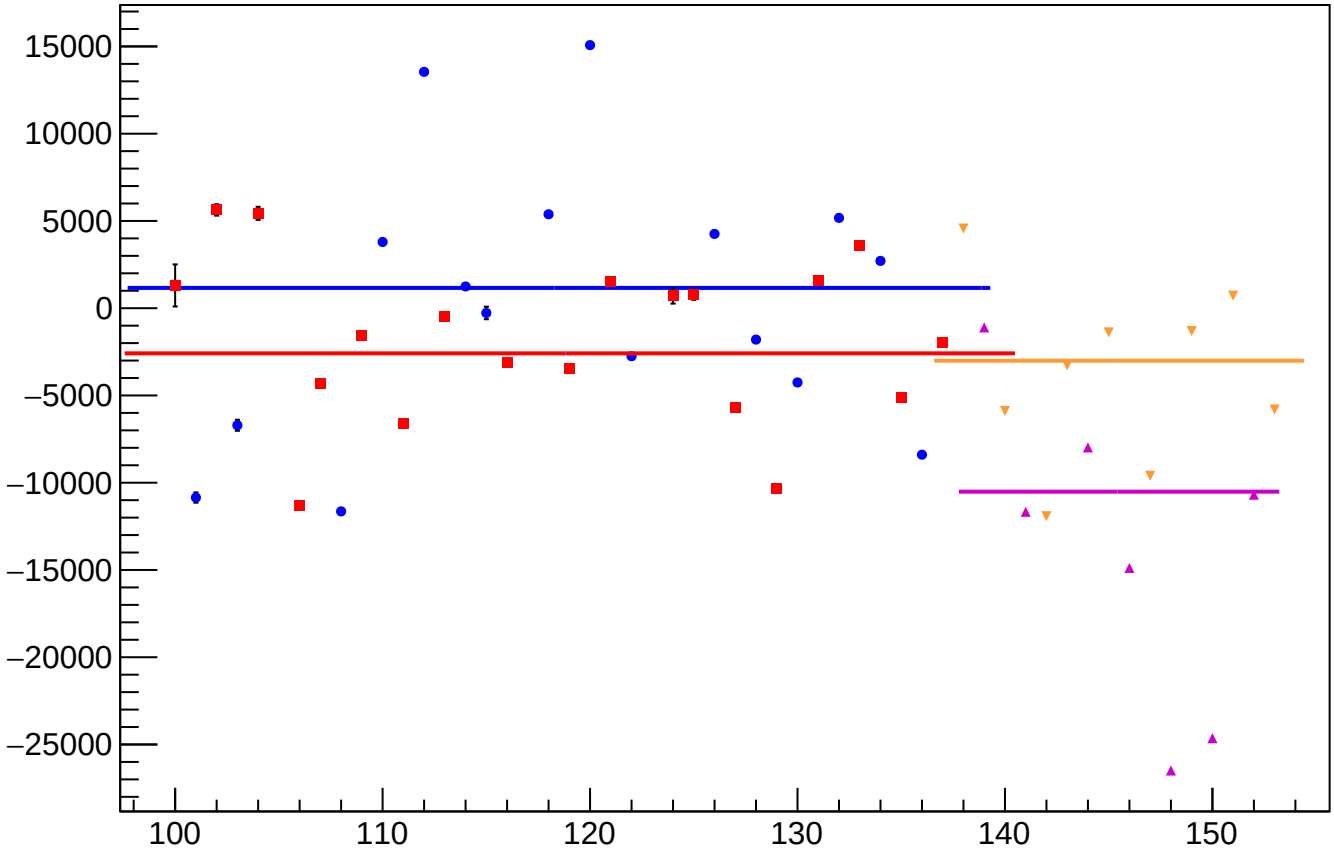
Right: 139.998+/-0.027 χ^2/NDF: 1478602.2/34

In: 152.037+/-0.031 χ^2/NDF:1439504.3/22

Out: 147.277+/-0.029 χ^2/NDF:1480352.4/27

All: 149.476+/-0.021 χ^2/NDF: 2932683.4/50

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -3008.557+/-54.807 χ^2/NDF:7213.5/8

Right Out: -2586.755+/-44.256 χ^2/NDF: 8099.7/18

Left In: -10512.619+/-64.459 χ^2/NDF:12549.3/6

Left: -6157.216+/-41.754 χ^2/NDF: 27628.7/15

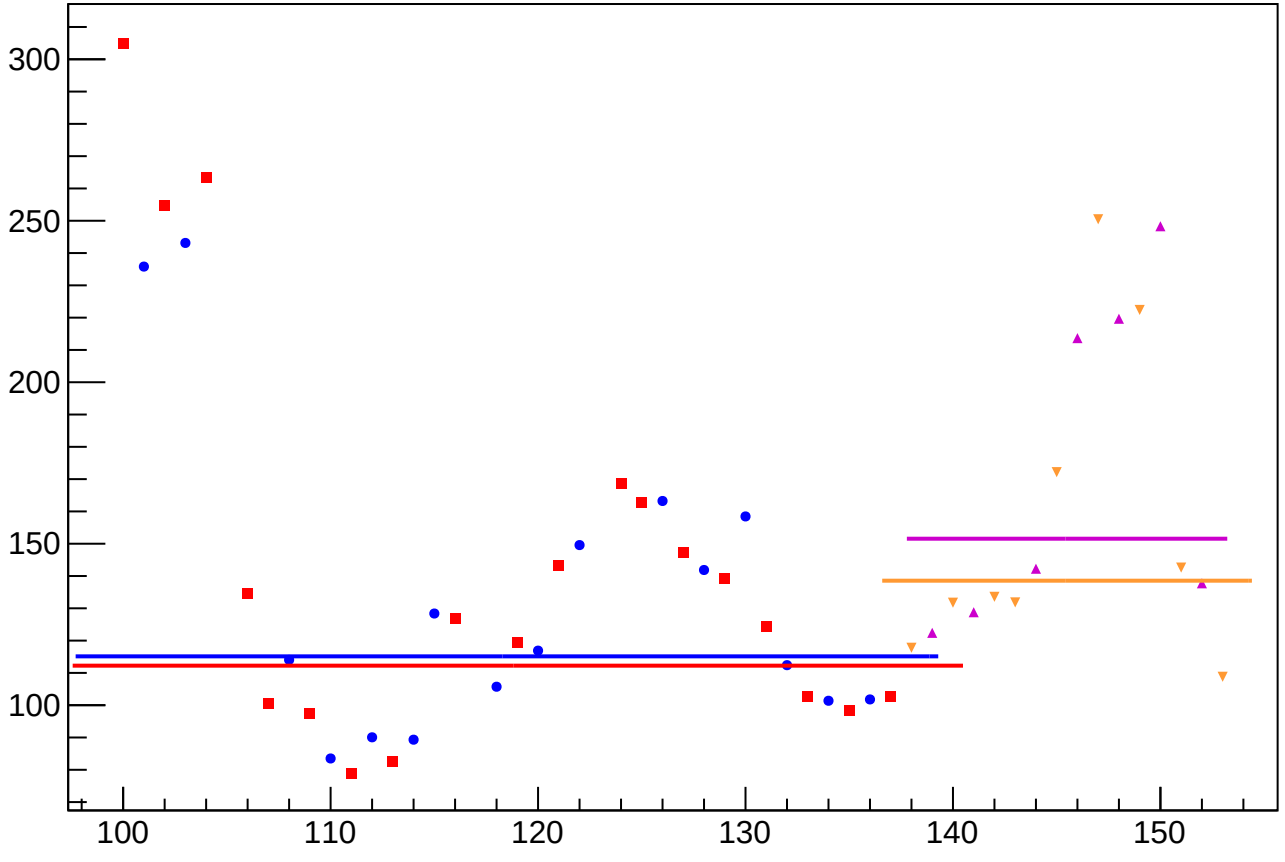
Right: -781.454+/-31.869 χ^2/NDF: 42310.2/34

In: -2768.730+/-37.406 χ^2/NDF:65064.0/22

Out: -2753.237+/-34.432 χ^2/NDF:15349.0/27

All: -2760.343+/-25.333 χ^2/NDF: 80413.1/50

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 138.553+/-0.039 χ^2/NDF:802974.8/8

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

Left In: 151.552+/-0.046 χ^2/NDF:742139.9/6

Left: 144.007+/-0.030 χ^2/NDF: 1592322.9/15

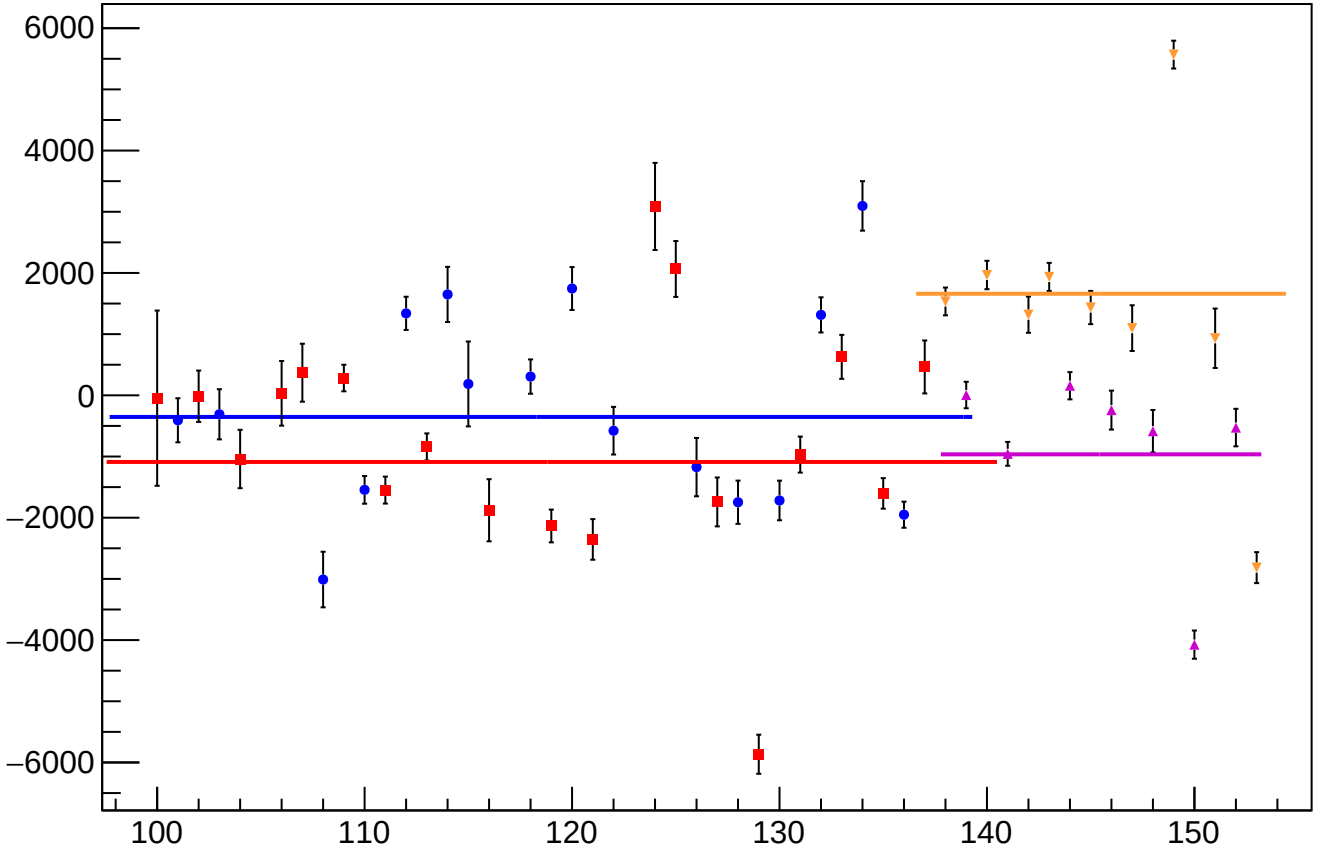
Right: 113.630+/-0.023 χ^2/NDF: 2445233.6/34

In: 127.392+/-0.026 χ^2/NDF:2278744.0/22

Out: 122.626+/-0.024 χ^2/NDF:2410150.3/27

All: 124.812+/-0.018 χ^2/NDF: 4706468.3/50

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 1659.759+/-88.292 χ^2/NDF:616.9/8

Right Out: -1088.752+/-76.444 χ^2/NDF: 447.2/18

Left In: -964.450+/-93.069 χ^2/NDF:235.6/6

Left: 416.726+/-64.054 χ^2/NDF: 1271.0/15

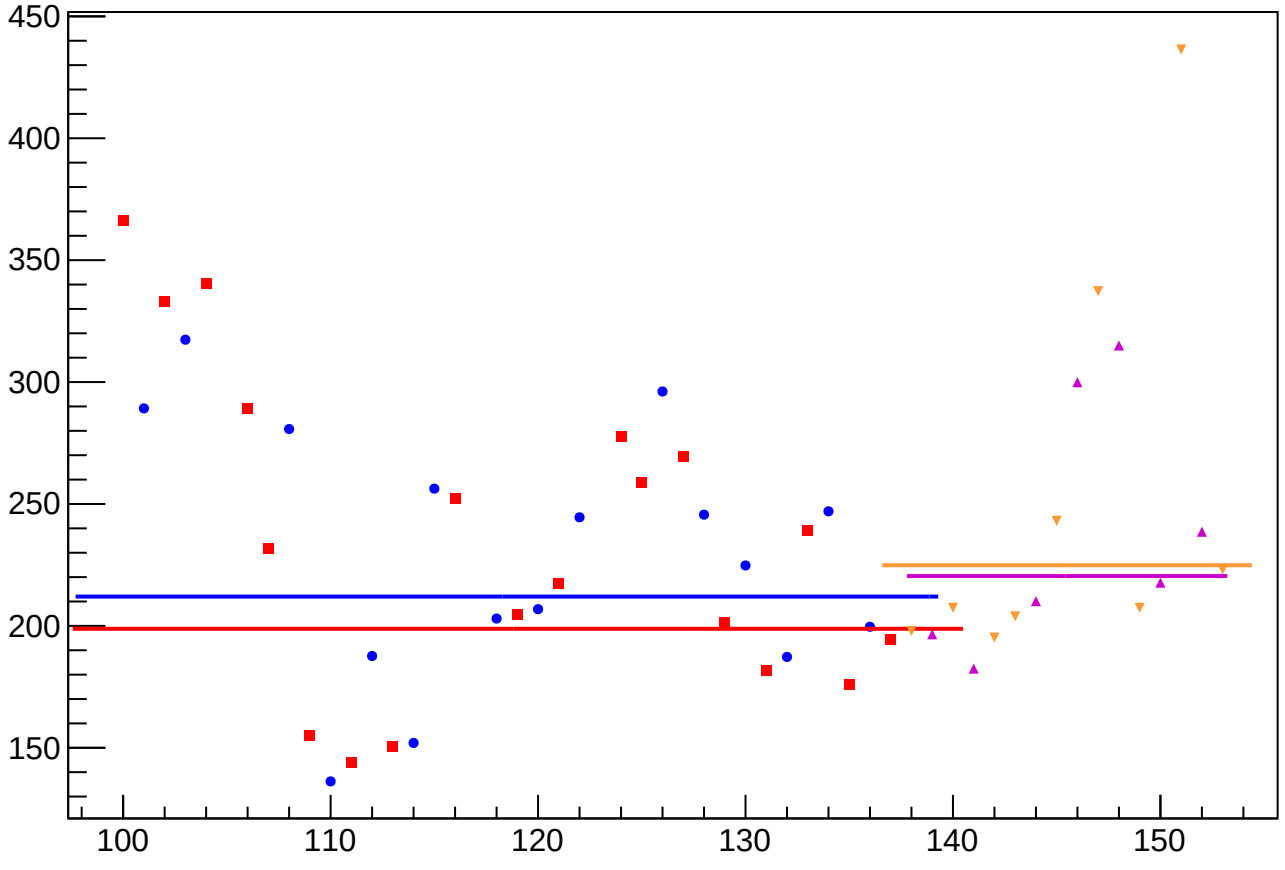
Right: -747.310+/-55.958 χ^2/NDF: 852.0/34

In: -620.788+/-61.583 χ^2/NDF:621.7/22

Out: 88.835+/-57.792 χ^2/NDF:1617.9/27

All: -243.465+/-42.142 χ^2/NDF: 2310.2/50

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 224.873+/-0.062 χ^2/NDF:658042.4/8

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

Left In: 220.442+/-0.066 χ^2/NDF:385543.5/6

Left: 222.774+/-0.045 χ^2/NDF: 1045972.4/15

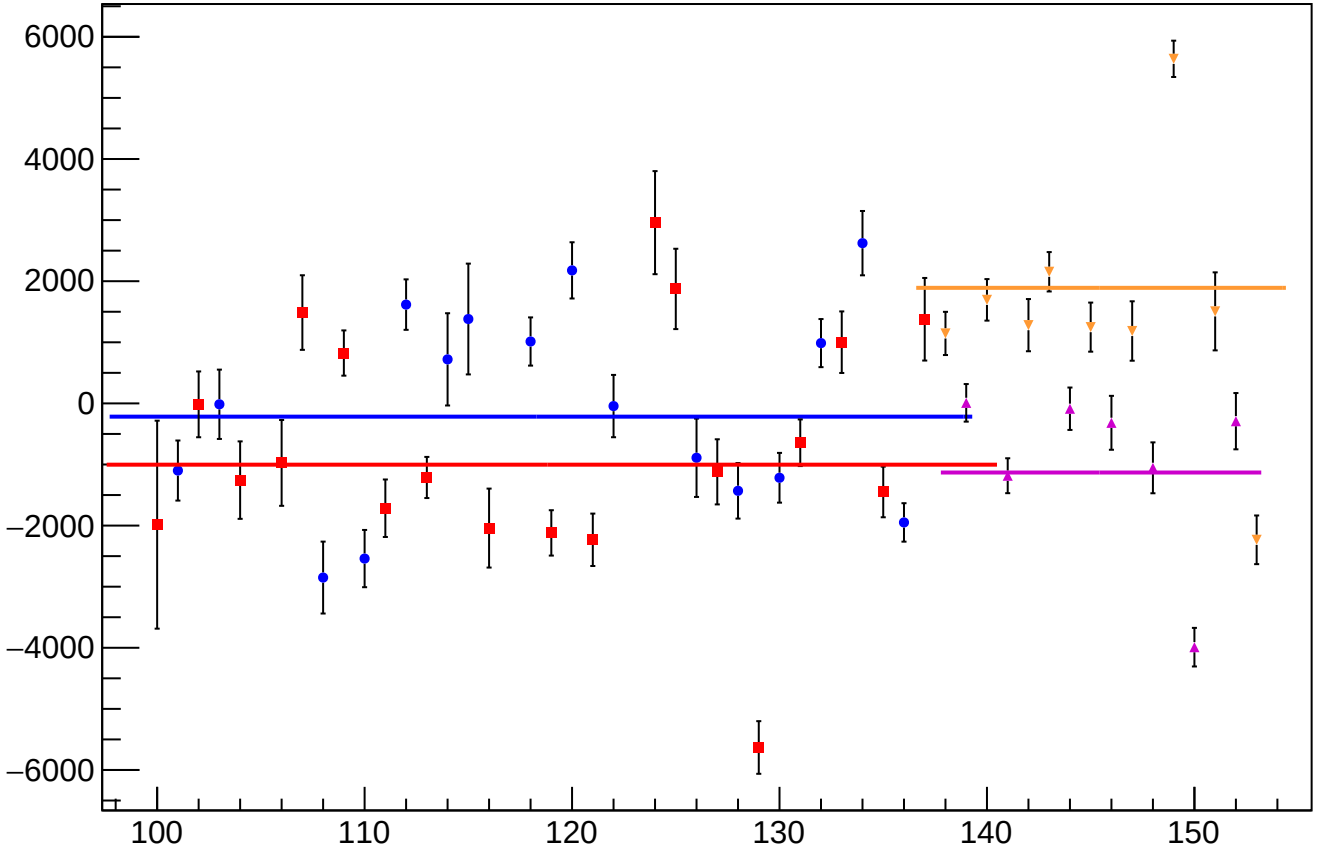
Right: 204.945+/-0.040 χ^2/NDF: 1693041.6/34

In: 215.712+/-0.044 χ^2/NDF:1085091.5/22

Out: 209.976+/-0.041 χ^2/NDF:1732584.4/27

All: 212.662+/-0.030 χ^2/NDF: 2826899.4/50

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1891.391+/-126.747 χ^2/NDF:278.6/8

Right Out: -1003.049+/-113.111 χ^2/NDF: 254.3/18

Left In: -1131.318+/-132.733 χ^2/NDF:111.5/6

Left: 449.734+/-91.667 χ^2/NDF: 661.4/15

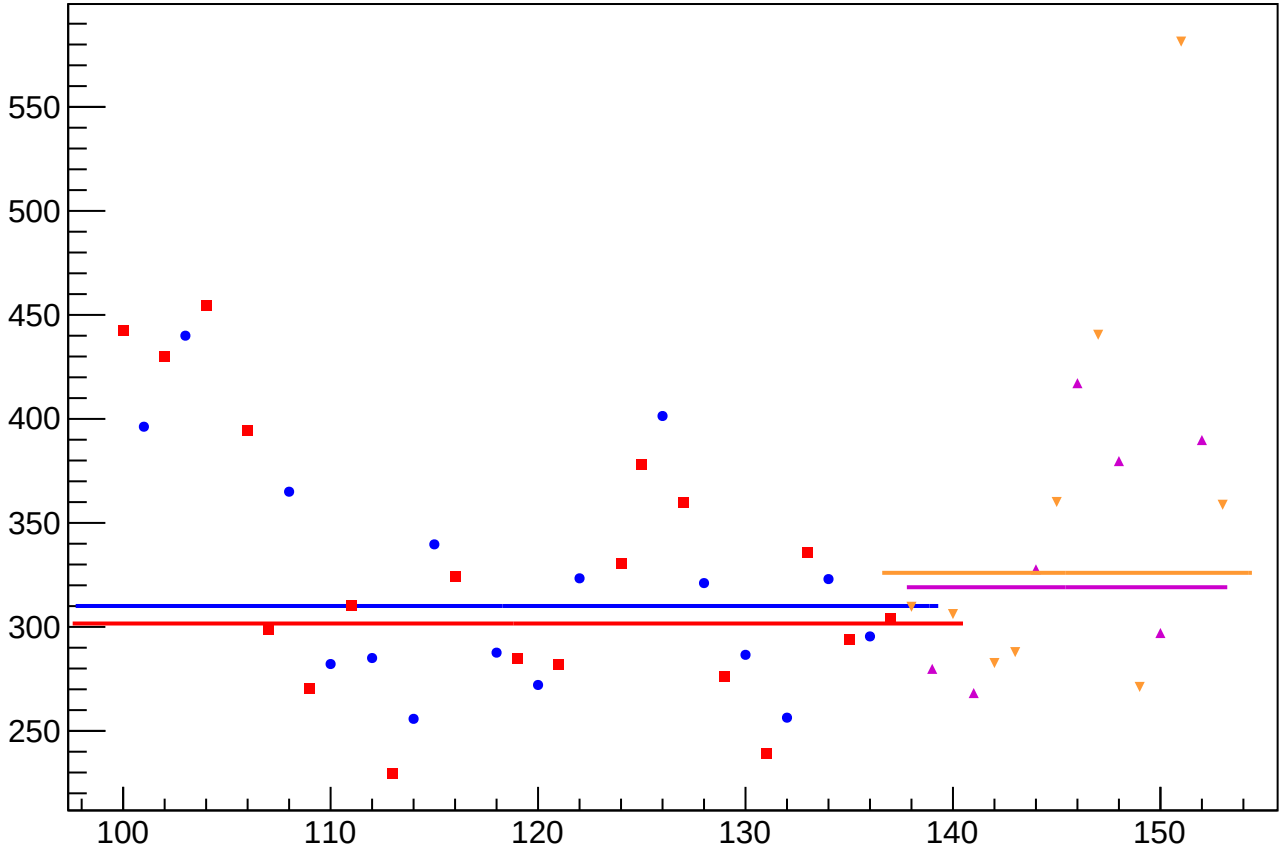
Right: -626.246+/-81.618 χ^2/NDF: 469.7/34

In: -620.158+/-88.142 χ^2/NDF:330.2/22

Out: 280.149+/-84.392 χ^2/NDF:823.3/27

All: -150.445+/-60.957 χ^2/NDF: 1208.0/50

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 326.005+/-0.090 χ^2/NDF:586302.7/8

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

Left In: 319.079+/-0.094 χ^2/NDF:295334.1/6

Left: 322.701+/-0.065 χ^2/NDF: 884485.3/15

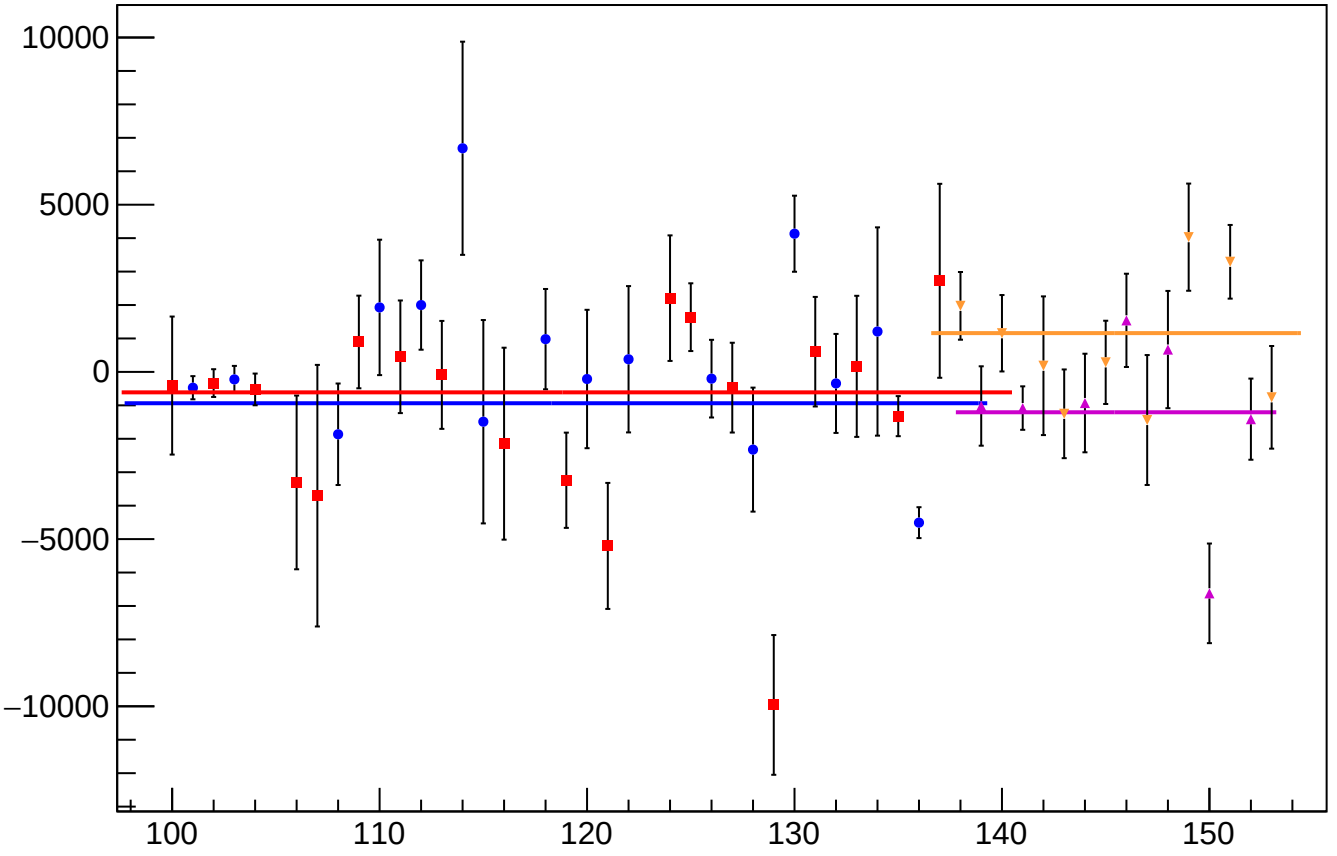
Right: 305.675+/-0.058 χ^2/NDF: 848490.9/34

In: 314.038+/-0.062 χ^2/NDF:623776.9/22

Out: 312.440+/-0.060 χ^2/NDF:1147343.0/27

All: 313.204+/-0.043 χ^2/NDF: 1771462.9/50

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 1160.086+/-443.222 χ^2/NDF:15.0/8

Right Out: -611.668+/-233.144 χ^2/NDF: 44.1/18

Left In: -1207.093+/-426.171 χ^2/NDF:18.4/6

Left: -69.911+/-307.199 χ^2/NDF: 48.2/15

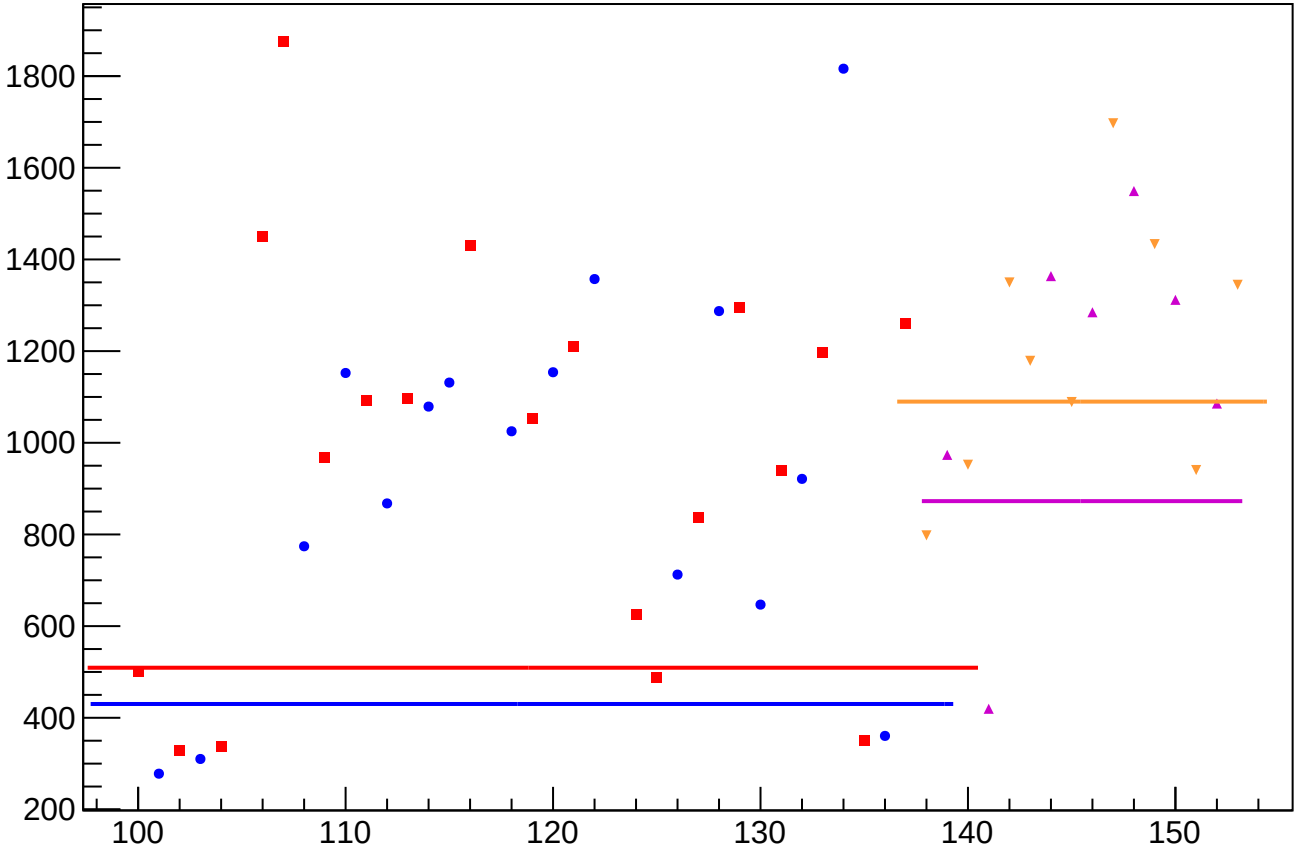
Right: -795.339+/-153.831 χ^2/NDF: 146.4/34

In: -987.598+/-184.531 χ^2/NDF:119.9/22

Out: -227.676+/-206.339 χ^2/NDF:71.6/27

All: -649.904+/-137.549 χ^2/NDF: 199.0/50

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 1089.835+/-0.313 χ^2/NDF:614844.3/8

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

Left In: 872.701+/-0.301 χ^2/NDF:1915411.5/6

Left: 977.011+/-0.217 χ^2/NDF: 2779665.2/15

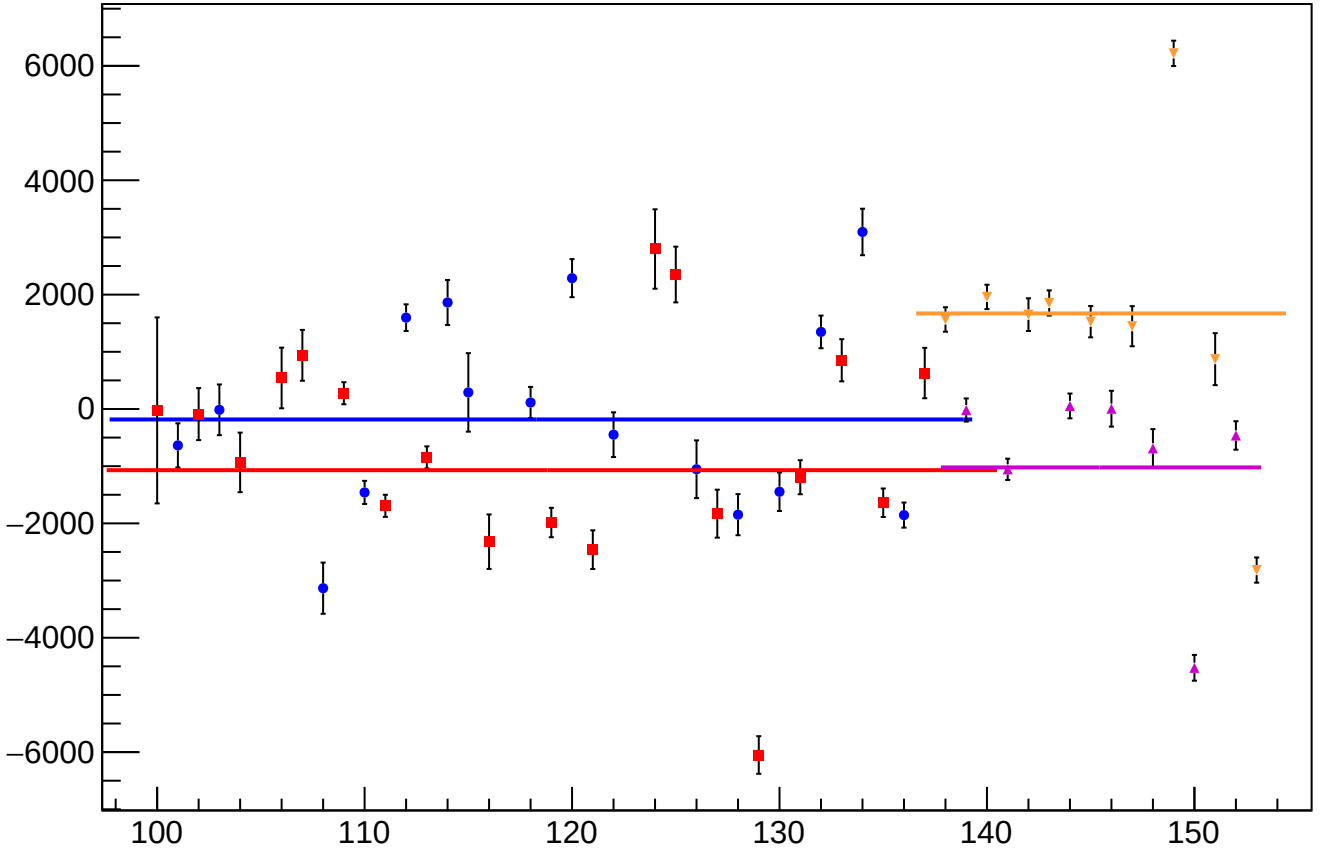
Right: 464.557+/-0.109 χ^2/NDF: 7325362.7/34

In: 513.090+/-0.130 χ^2/NDF:7189935.5/22

Out: 635.069+/-0.146 χ^2/NDF:6976407.9/27

All: 567.295+/-0.097 χ^2/NDF: 14554687.8/50

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 1671.151+/-83.374 χ^2/NDF:840.5/8

Right Out: -1069.729+/-73.060 χ^2/NDF: 492.3/18

Left In: -1021.742+/-87.904 χ^2/NDF:307.2/6

Left: 395.888+/-60.492 χ^2/NDF: 1641.8/15

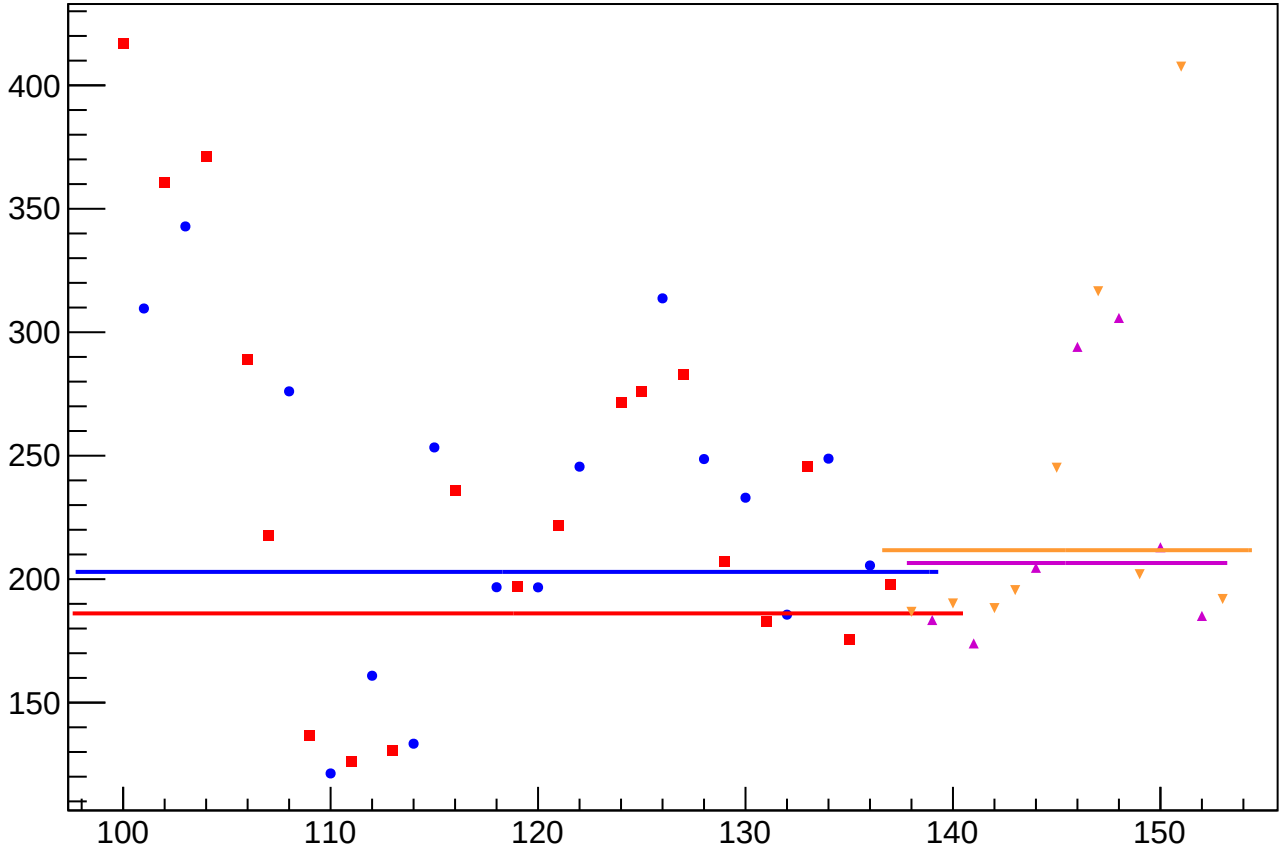
Right: -665.741+/-53.906 χ^2/NDF: 977.1/34

In: -562.273+/-59.111 χ^2/NDF:774.8/22

Out: 120.798+/-54.948 χ^2/NDF:1944.1/27

All: -195.843+/-40.245 χ^2/NDF: 2790.5/50

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 211.726+/-0.059 χ^2/NDF:671678.1/8

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

Left In: 206.541+/-0.062 χ^2/NDF:434165.3/6

Left: 209.271+/-0.043 χ^2/NDF: 1109506.6/15

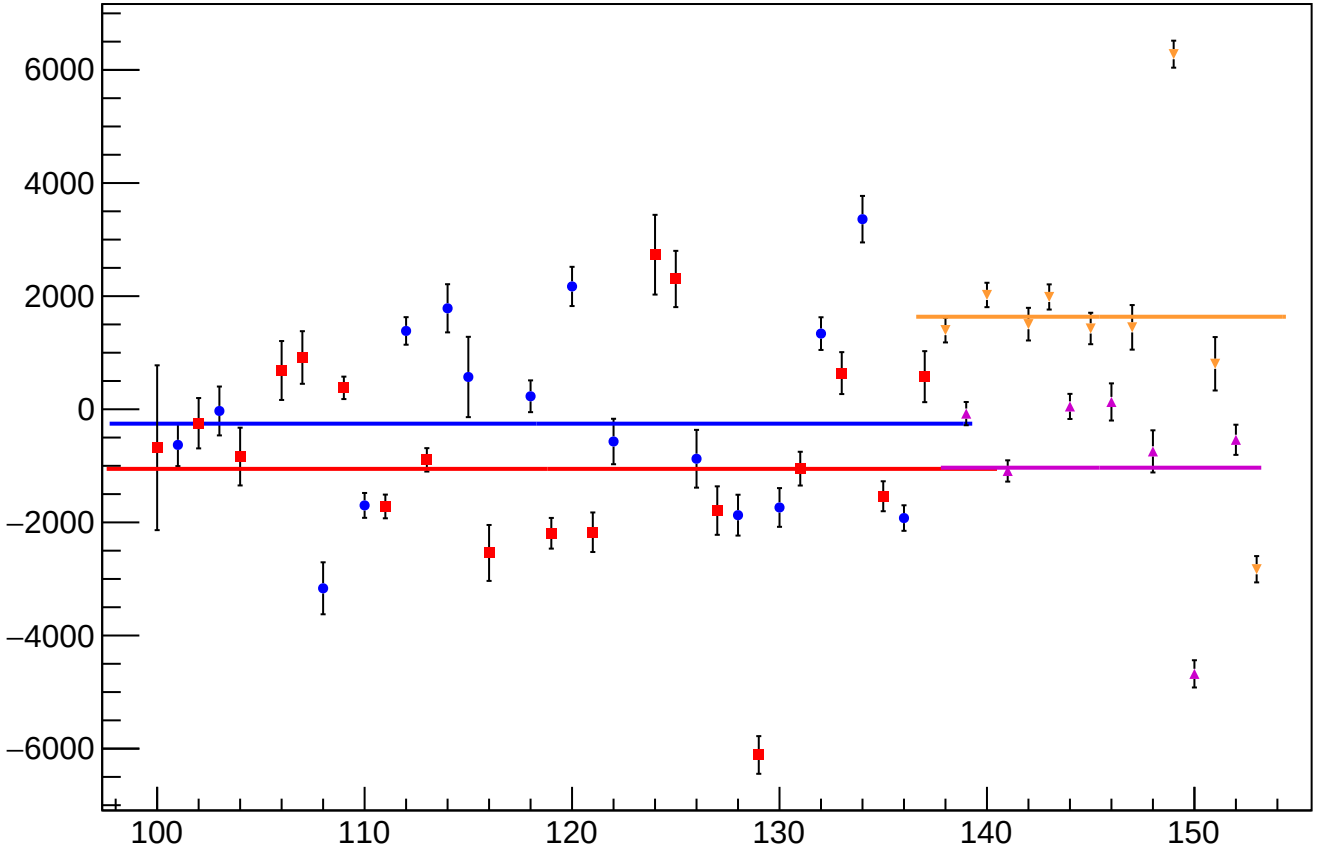
Right: 193.789+/-0.038 χ^2/NDF: 2601774.8/34

In: 204.569+/-0.042 χ^2/NDF:1507861.8/22

Out: 197.247+/-0.039 χ^2/NDF:2259976.5/27

All: 200.641+/-0.028 χ^2/NDF: 3784299.1/50

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 1636.168+/-86.195 χ^2/NDF:757.3/8

Right Out: -1053.731+/-75.969 χ^2/NDF: 477.7/18

Left In: -1033.021+/-91.303 χ^2/NDF:291.0/6

Left: 378.325+/-62.677 χ^2/NDF: 1500.2/15

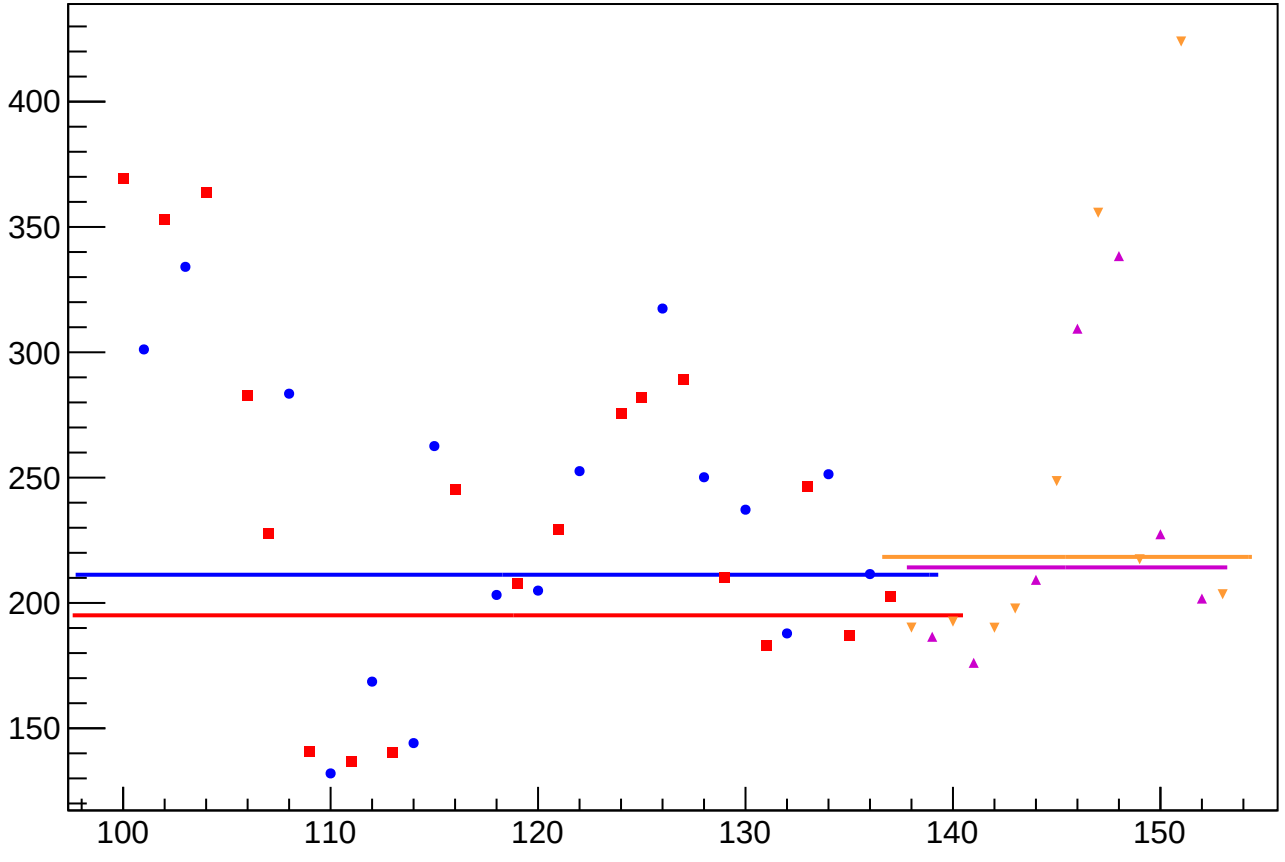
Right: -686.933+/-55.882 χ^2/NDF: 937.7/34

In: -604.364+/-61.208 χ^2/NDF:740.3/22

Out: 122.272+/-56.993 χ^2/NDF:1783.1/27

All: -215.163+/-41.711 χ^2/NDF: 2598.9/50

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 218.371+/-0.061 χ^2/NDF:751832.2/8

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

Left In: 214.187+/-0.065 χ^2/NDF:519762.5/6

Left: 216.399+/-0.044 χ^2/NDF: 1273815.4/15

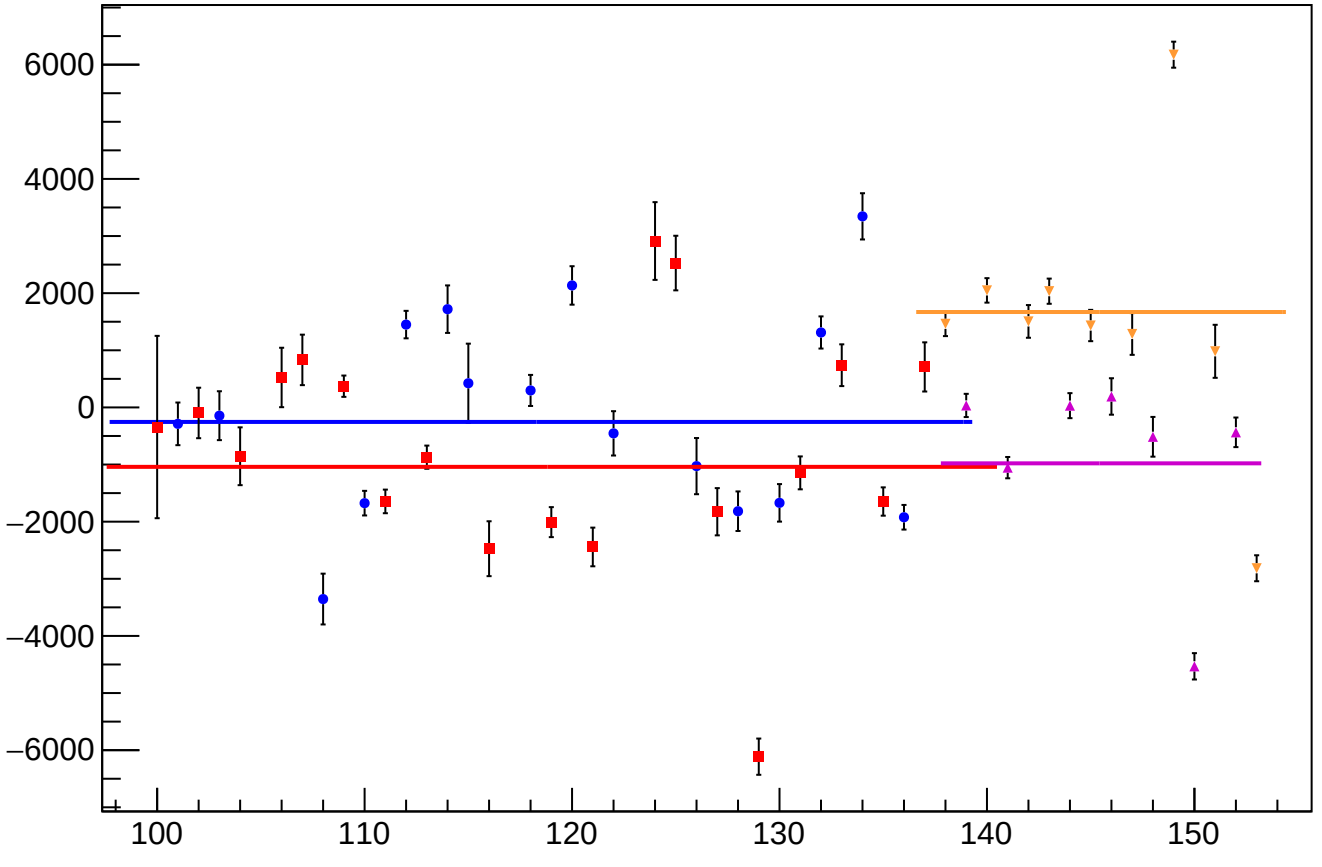
Right: 202.492+/-0.040 χ^2/NDF: 2210941.3/34

In: 212.572+/-0.043 χ^2/NDF:1405263.0/22

Out: 205.252+/-0.040 χ^2/NDF:2119033.2/27

All: 208.651+/-0.029 χ^2/NDF: 3539616.7/50

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 1670.204+/-84.425 χ^2/NDF:791.2/8

Right Out: -1040.361+/-73.363 χ^2/NDF: 533.4/18

Left In: -978.878+/-89.225 χ^2/NDF:303.4/6

Left: 418.842+/-61.324 χ^2/NDF: 1559.7/15

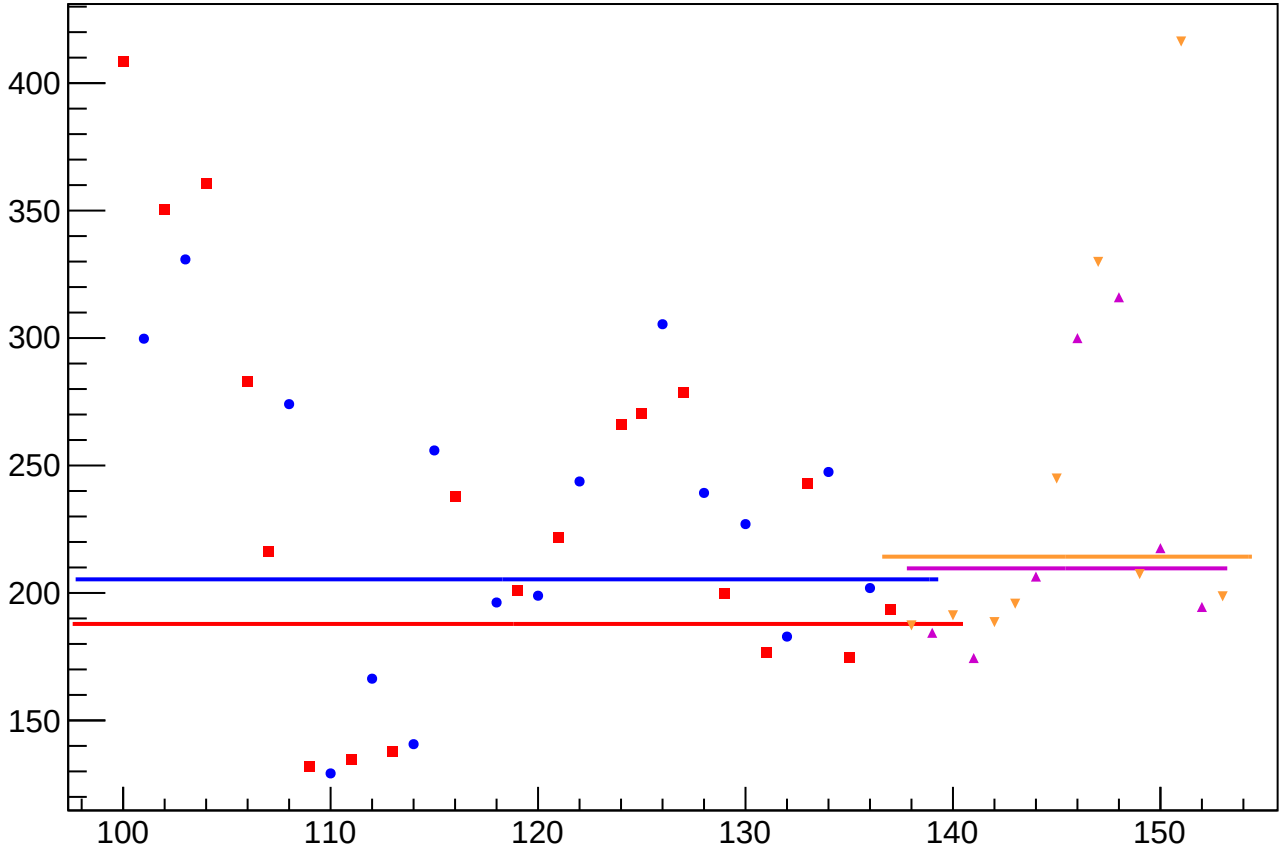
Right: -682.251+/-54.138 χ^2/NDF: 1017.8/34

In: -578.058+/-59.656 χ^2/NDF:772.0/22

Out: 125.825+/-55.376 χ^2/NDF:1911.9/27

All: -199.968+/-40.586 χ^2/NDF: 2758.7/50

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 214.242+/-0.060 χ^2/NDF:700294.3/8

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

Left In: 209.648+/-0.063 χ^2/NDF:458864.4/6

Left: 212.072+/-0.043 χ^2/NDF: 1161957.0/15

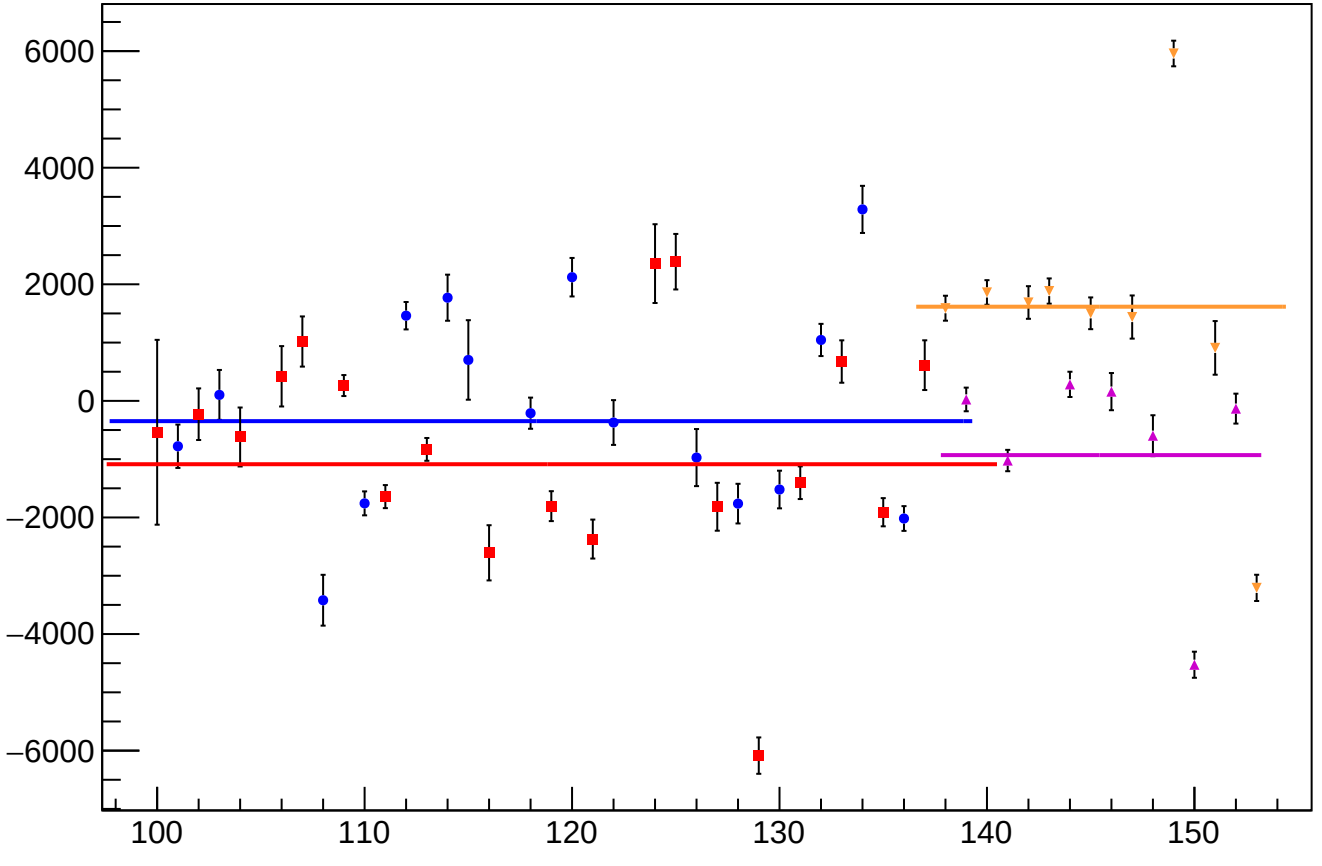
Right: 195.815+/-0.038 χ^2/NDF: 2266235.0/34

In: 207.266+/-0.042 χ^2/NDF:1338839.2/22

Out: 199.204+/-0.039 χ^2/NDF:2148720.9/27

All: 202.936+/-0.029 χ^2/NDF: 3507181.9/50

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 1615.637+/-83.239 χ^2/NDF:855.2/8

Right Out: -1086.638+/-71.539 χ^2/NDF: 527.2/18

Left In: -930.348+/-88.221 χ^2/NDF:334.2/6

Left: 416.558+/-60.544 χ^2/NDF: 1630.0/15

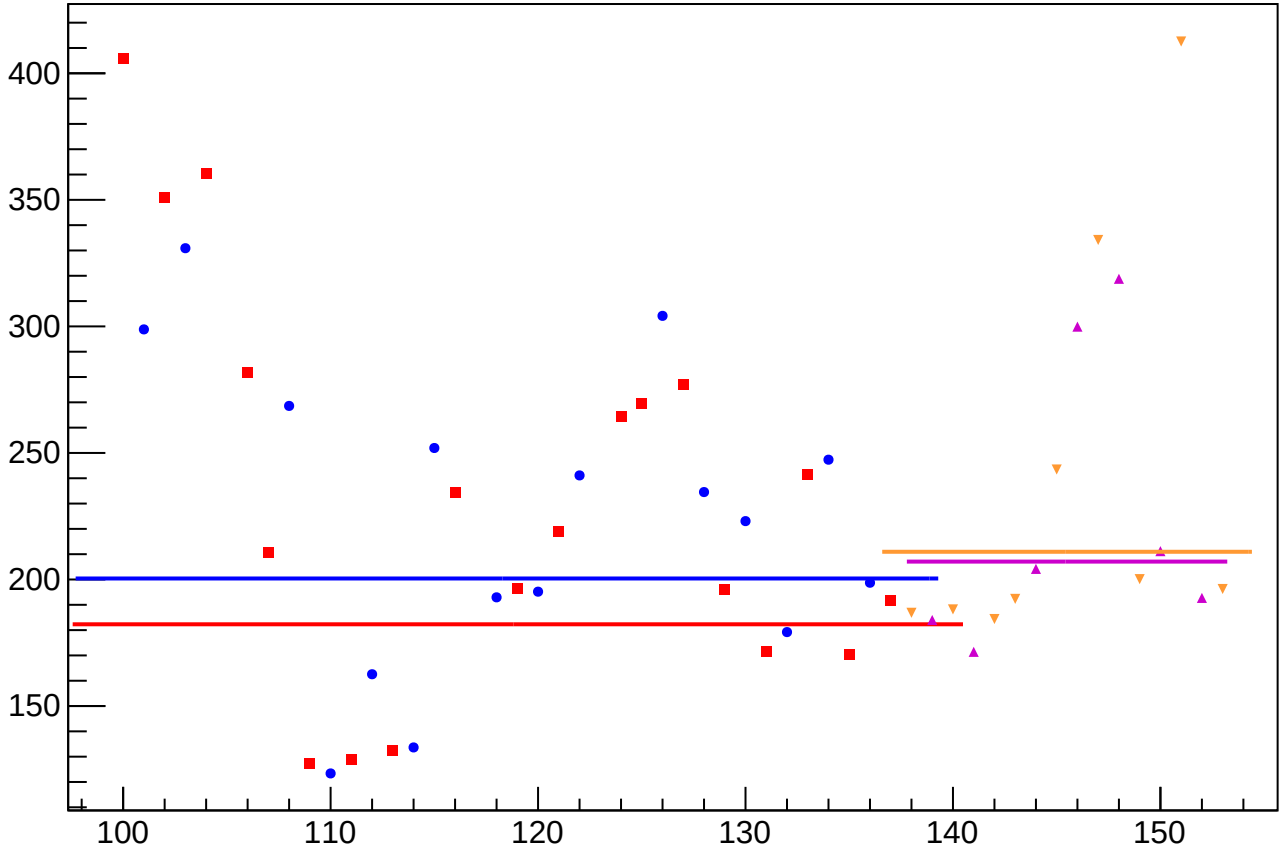
Right: -751.676+/-52.896 χ^2/NDF: 1021.4/34

In: -605.393+/-58.673 χ^2/NDF:804.3/22

Out: 61.385+/-54.255 χ^2/NDF:1988.6/27

All: -245.958+/-39.834 χ^2/NDF: 2862.5/50

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 210.954+/-0.059 χ^2/NDF:728568.1/8

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

Left In: 207.072+/-0.062 χ^2/NDF:480969.7/6

Left: 209.126+/-0.043 χ^2/NDF: 1211587.0/15

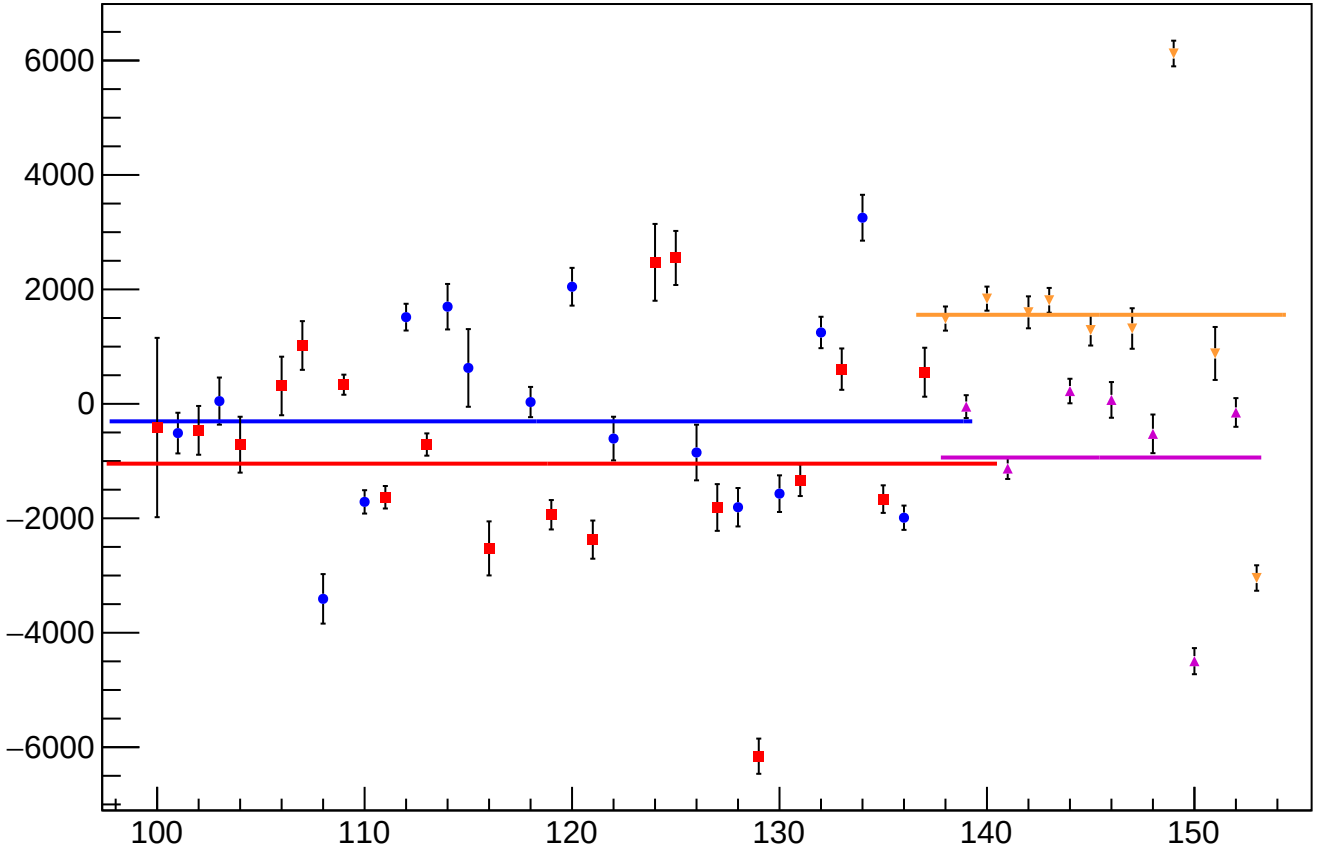
Right: 190.505+/-0.037 χ^2/NDF: 2464212.0/34

In: 203.350+/-0.041 χ^2/NDF:1446351.7/22

Out: 194.474+/-0.038 χ^2/NDF:2312064.0/27

All: 198.566+/-0.028 χ^2/NDF: 3783089.5/50

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 1556.344+/-82.857 χ^2/NDF:848.5/8

Right Out: -1045.144+/-70.824 χ^2/NDF: 552.2/18

Left In: -937.737+/-87.430 χ^2/NDF:315.3/6

Left: 376.225+/-60.140 χ^2/NDF: 1592.5/15

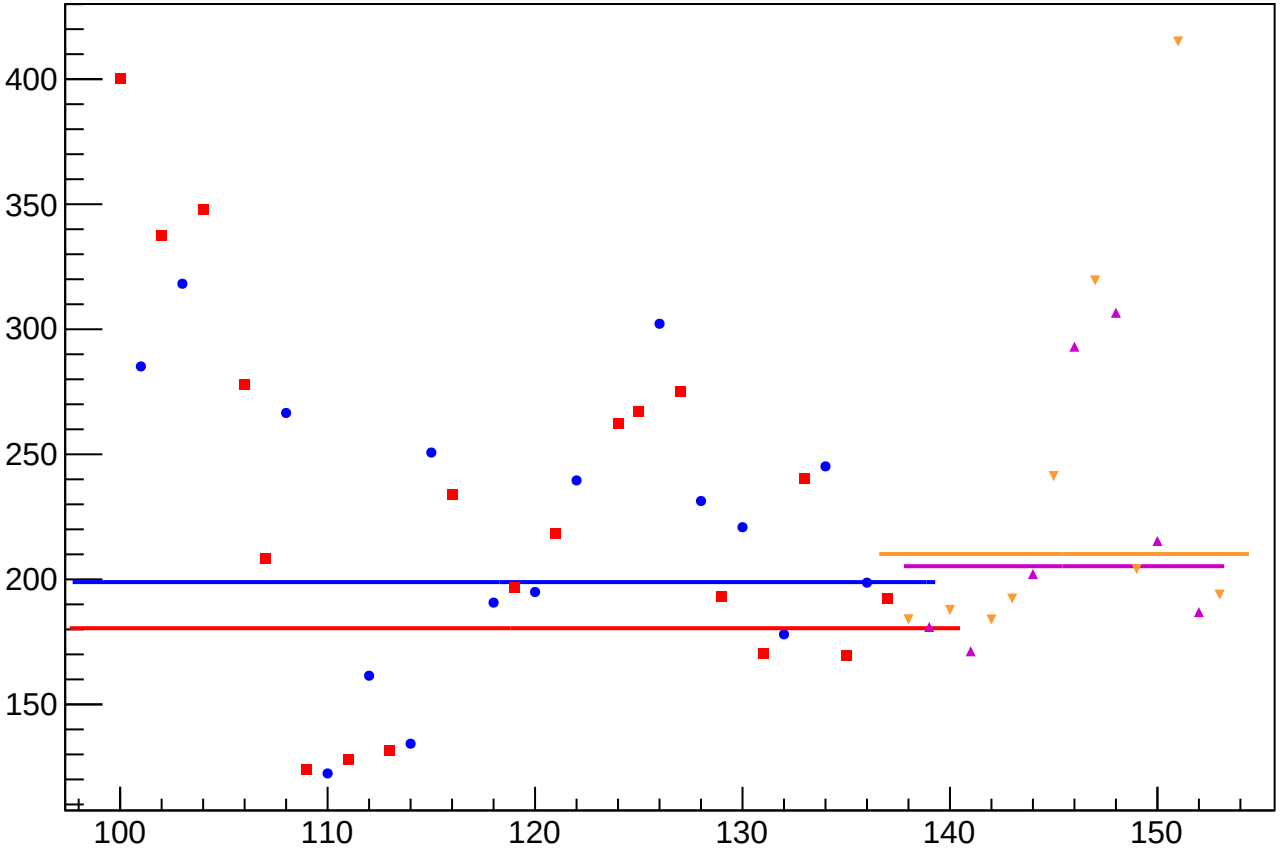
Right: -710.354+/-52.394 χ^2/NDF: 1053.3/34

In: -585.253+/-58.149 χ^2/NDF:796.3/22

Out: 53.138+/-53.836 χ^2/NDF:1970.3/27

All: -241.510+/-39.505 χ^2/NDF: 2831.4/50

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 210.129+/-0.059 χ^2/NDF:705895.0/8

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

Left In: 205.270+/-0.062 χ^2/NDF:452286.2/6

Left: 207.830+/-0.043 χ^2/NDF: 1161435.8/15

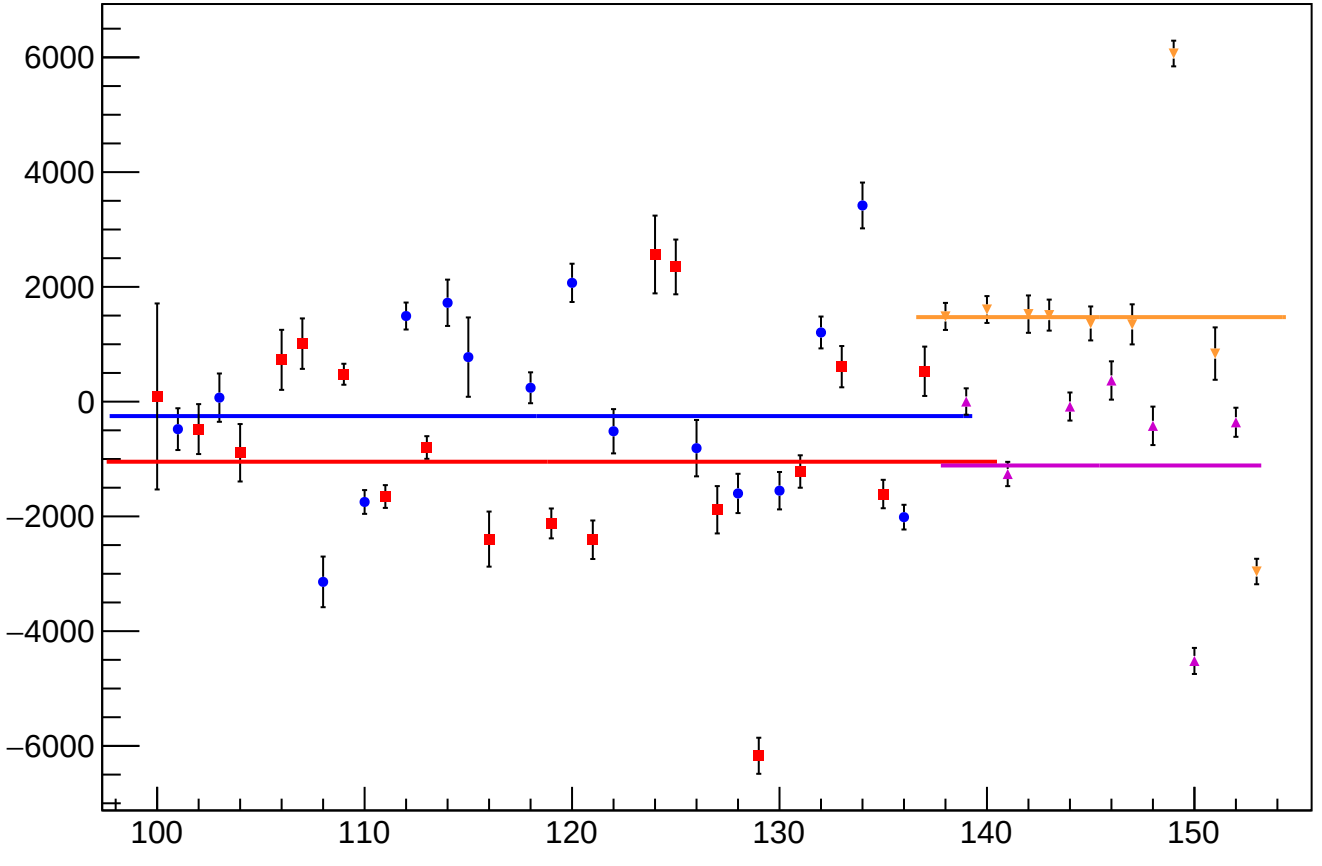
Right: 188.816+/-0.037 χ^2/NDF: 2408514.3/34

In: 201.719+/-0.041 χ^2/NDF:1370966.8/22

Out: 192.993+/-0.038 χ^2/NDF:2288379.6/27

All: 197.020+/-0.028 χ^2/NDF: 3683598.9/50

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 1473.079+/-89.790 χ^2/NDF:822.4/8

Right Out: -1047.132+/-72.190 χ^2/NDF: 546.7/18

Left In: -1112.684+/-95.024 χ^2/NDF:299.4/6

Left: 253.374+/-65.263 χ^2/NDF: 1513.0/15

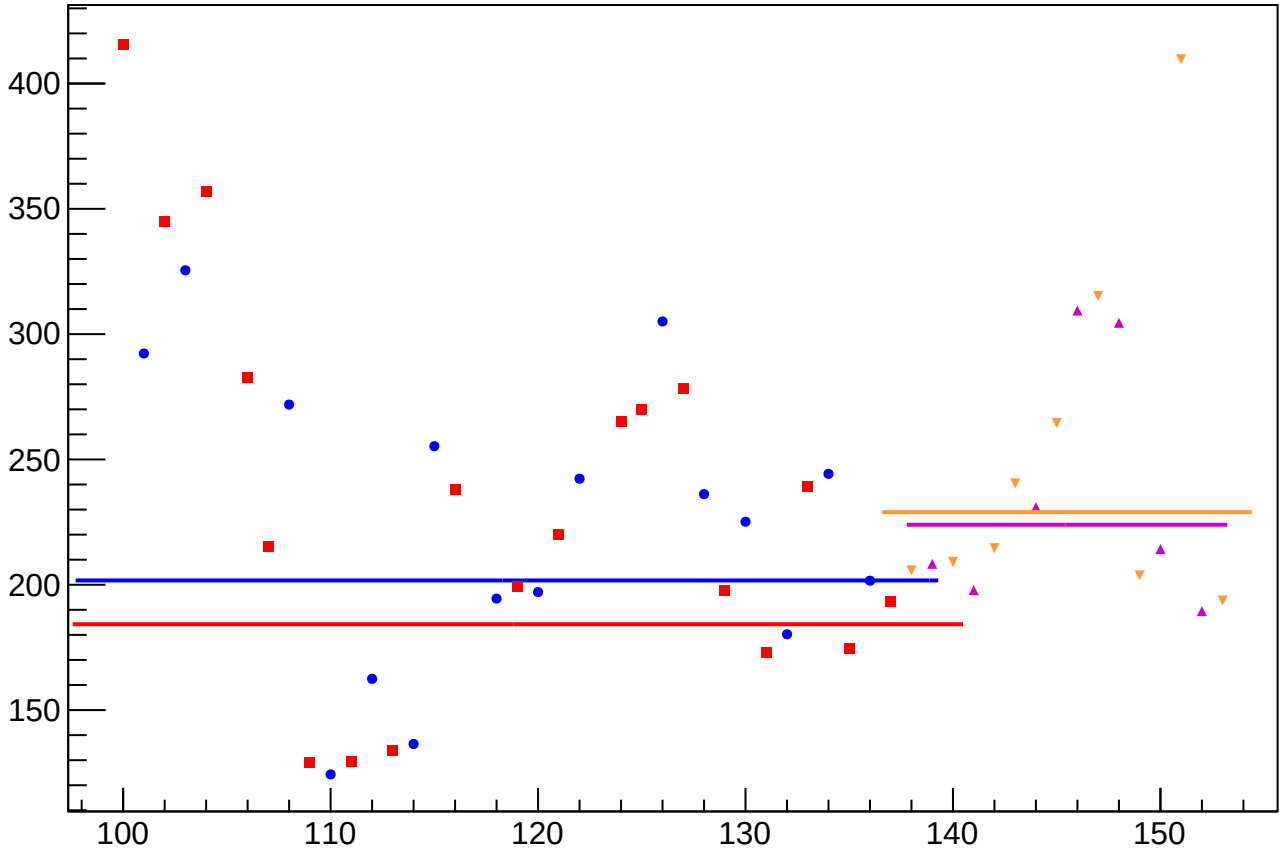
Right: -685.086+/-53.283 χ^2/NDF: 1043.2/34

In: -603.500+/-60.736 χ^2/NDF:789.2/22

Out: -57.661+/-56.261 χ^2/NDF:1847.6/27

All: -309.733+/-41.274 χ^2/NDF: 2680.3/50

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 228.976+/-0.063 χ^2/NDF:581105.2/8

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

Left In: 223.947+/-0.067 χ^2/NDF:328503.6/6

Left: 226.604+/-0.046 χ^2/NDF: 912568.1/15

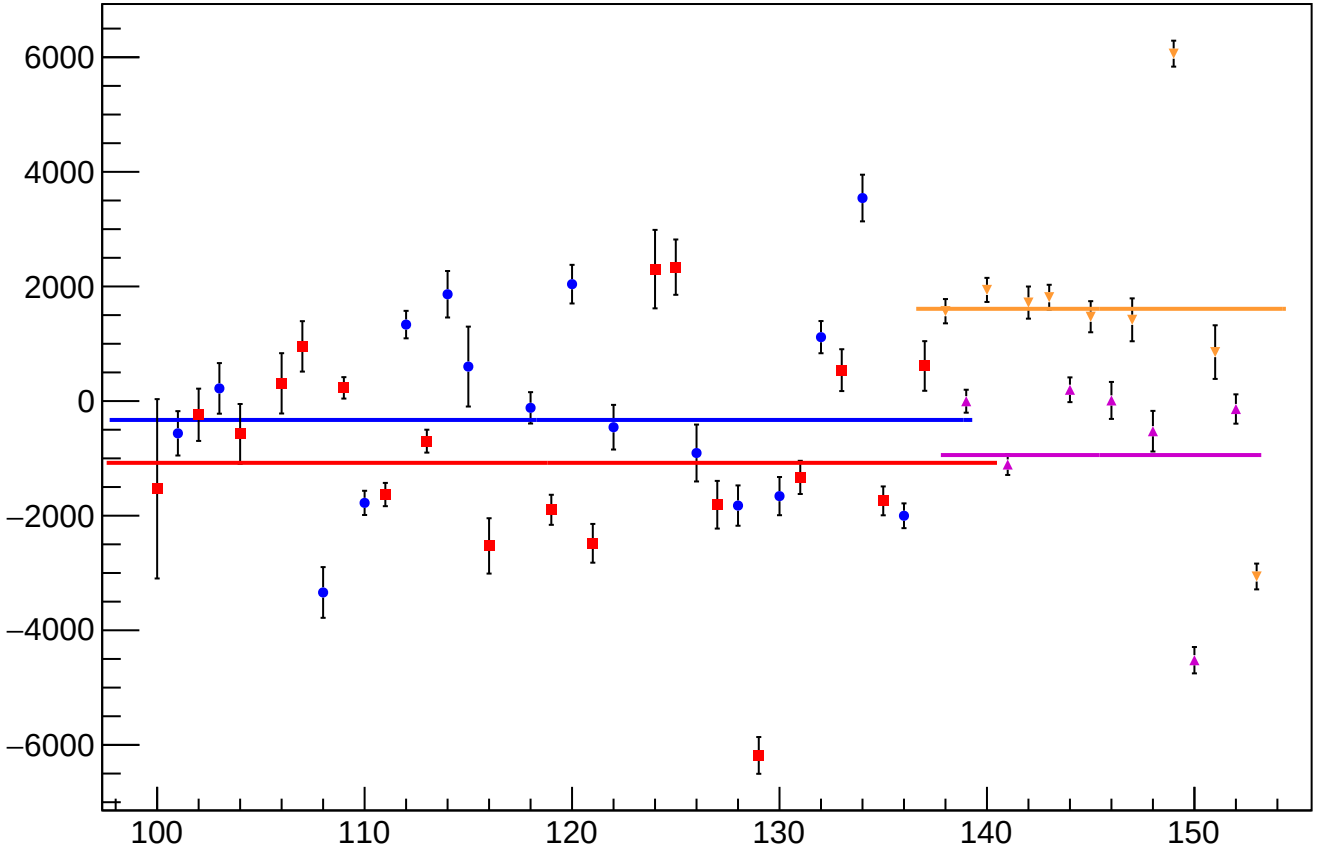
Right: 192.196+/-0.038 χ^2/NDF: 2381288.1/34

In: 210.797+/-0.043 χ^2/NDF:1317475.4/22

Out: 201.806+/-0.040 χ^2/NDF:2286365.8/27

All: 205.958+/-0.029 χ^2/NDF: 3627426.1/50

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 1609.969+/-83.530 χ^2/NDF:823.5/8

Right Out: -1077.876+/-73.404 χ^2/NDF: 502.0/18

Left In: -941.897+/-88.382 χ^2/NDF:312.8/6

Left: 406.011+/-60.707 χ^2/NDF: 1576.7/15

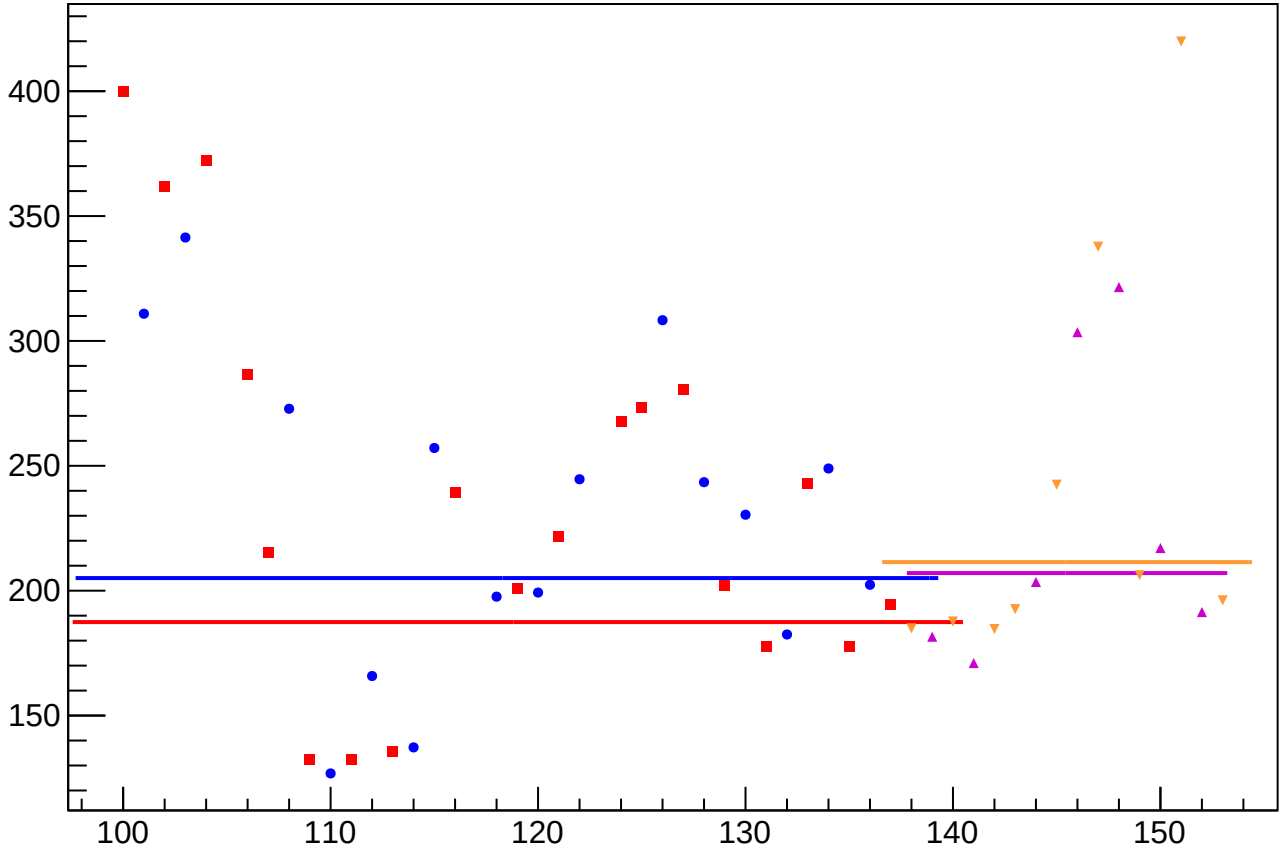
Right: -737.449+/-54.199 χ^2/NDF: 985.7/34

In: -606.609+/-59.460 χ^2/NDF:775.5/22

Out: 93.348+/-55.139 χ^2/NDF:1909.7/27

All: -230.274+/-40.431 χ^2/NDF: 2759.8/50

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 211.444+/-0.059 χ^2/NDF:751019.9/8

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

Left In: 207.057+/-0.062 χ^2/NDF:509254.3/6

Left: 209.374+/-0.043 χ^2/NDF: 1262876.1/15

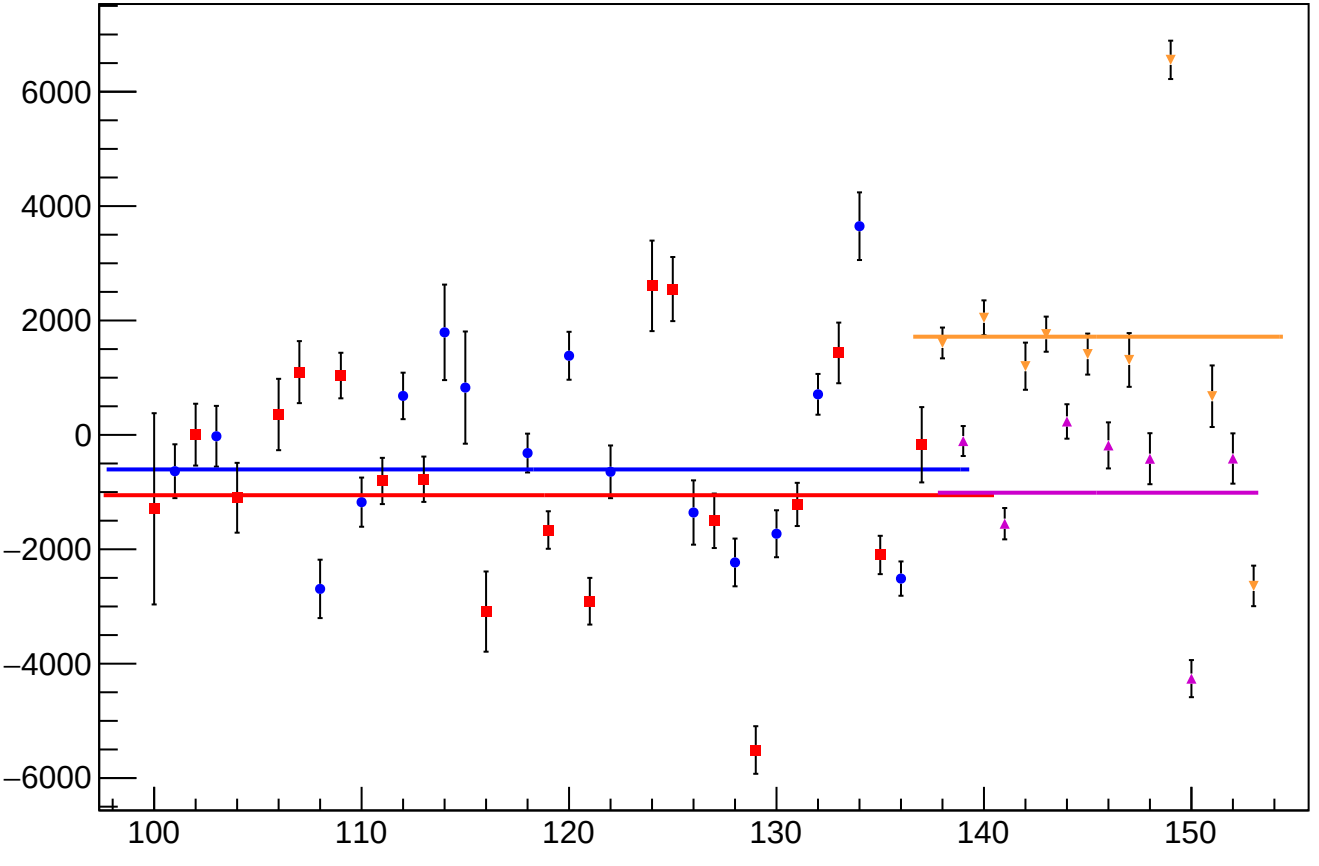
Right: 195.446+/-0.038 χ^2/NDF: 2426275.9/34

In: 205.960+/-0.042 χ^2/NDF:1472869.4/22

Out: 197.895+/-0.039 χ^2/NDF:2255082.3/27

All: 201.624+/-0.029 χ^2/NDF: 3747737.0/50

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 1716.774+/-116.524 χ^2/NDF:367.5/8

Right Out: -1054.556+/-108.264 χ^2/NDF: 297.7/18

Left In: -1010.944+/-124.252 χ^2/NDF:141.1/6

Left: 440.370+/-84.996 χ^2/NDF: 765.0/15

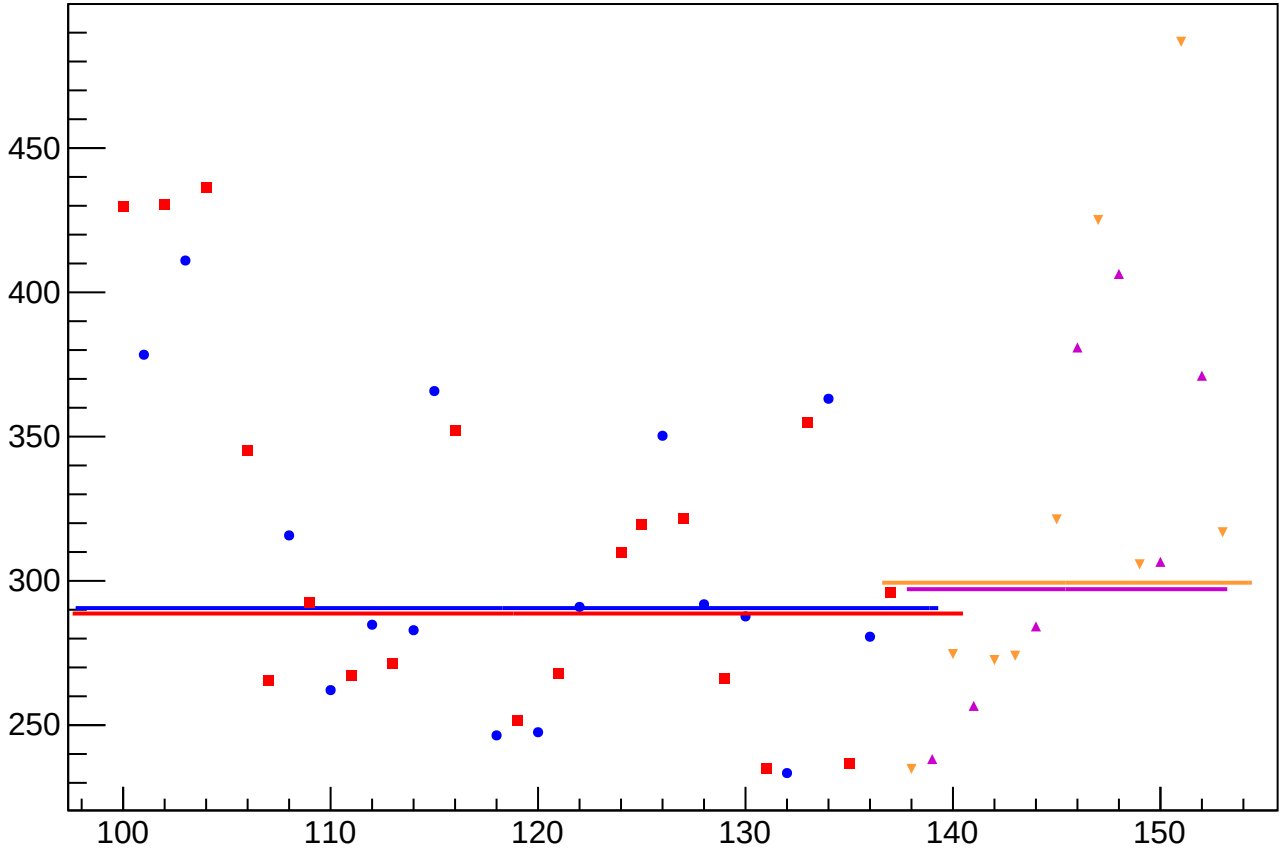
Right: -834.205+/-77.398 χ^2/NDF: 499.7/34

In: -783.984+/-82.651 χ^2/NDF:340.6/22

Out: 229.407+/-79.314 χ^2/NDF:968.8/27

All: -256.414+/-57.227 χ^2/NDF: 1387.6/50

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 299.369+/-0.082 χ^2/NDF:548844.4/8

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

Left In: 297.125+/-0.088 χ^2/NDF:413062.4/6

Left: 298.319+/-0.060 χ^2/NDF: 962254.0/15

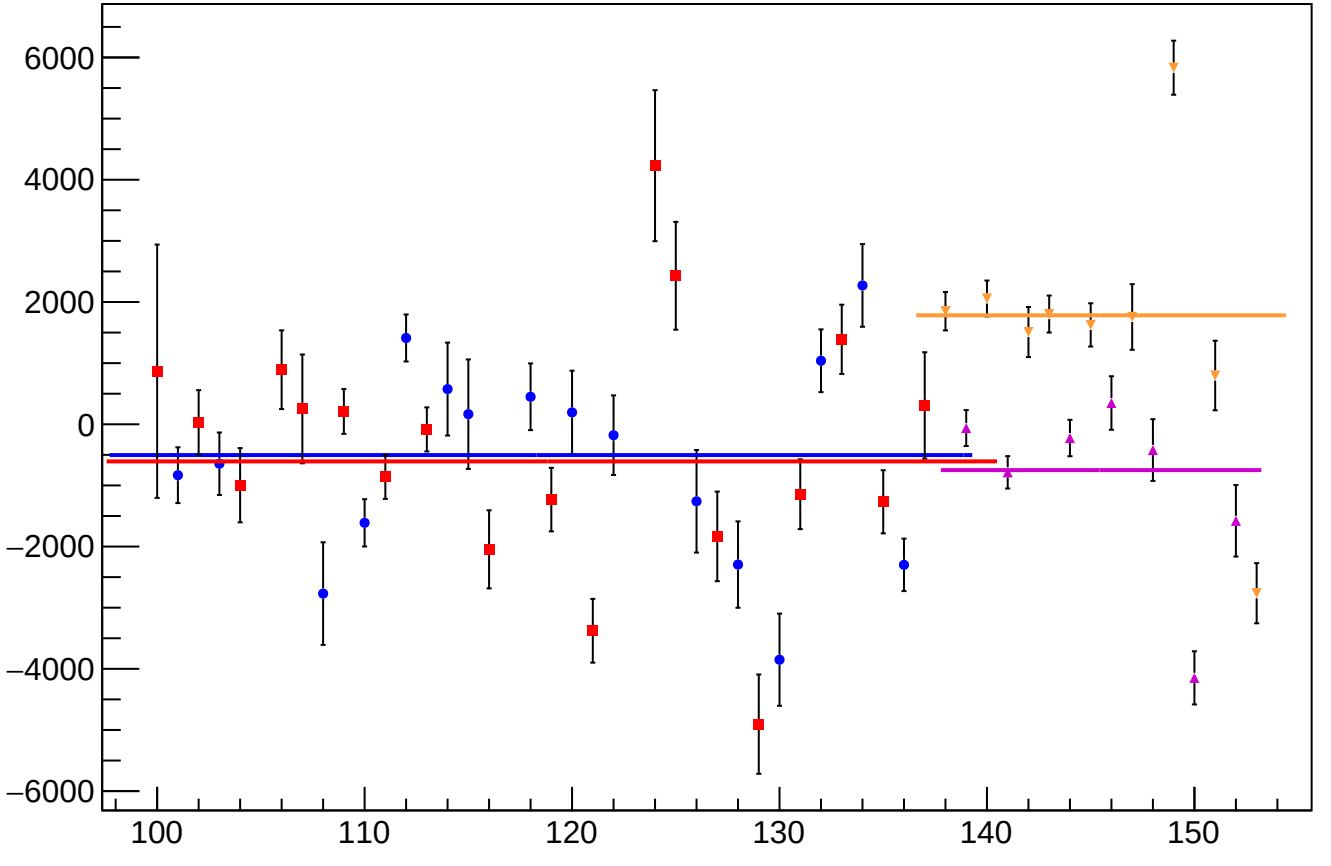
Right: 289.605+/-0.055 χ^2/NDF: 849196.8/34

In: 293.468+/-0.058 χ^2/NDF:775976.6/22

Out: 293.636+/-0.056 χ^2/NDF:1046962.3/27

All: 293.555+/-0.040 χ^2/NDF: 1822943.1/50

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 1782.576+/-126.653 χ^2/NDF:173.7/8

Right Out: -606.880+/-129.609 χ^2/NDF: 125.1/18

Left In: -749.470+/-135.522 χ^2/NDF:78.4/6

Left: 602.116+/-92.534 χ^2/NDF: 438.4/15

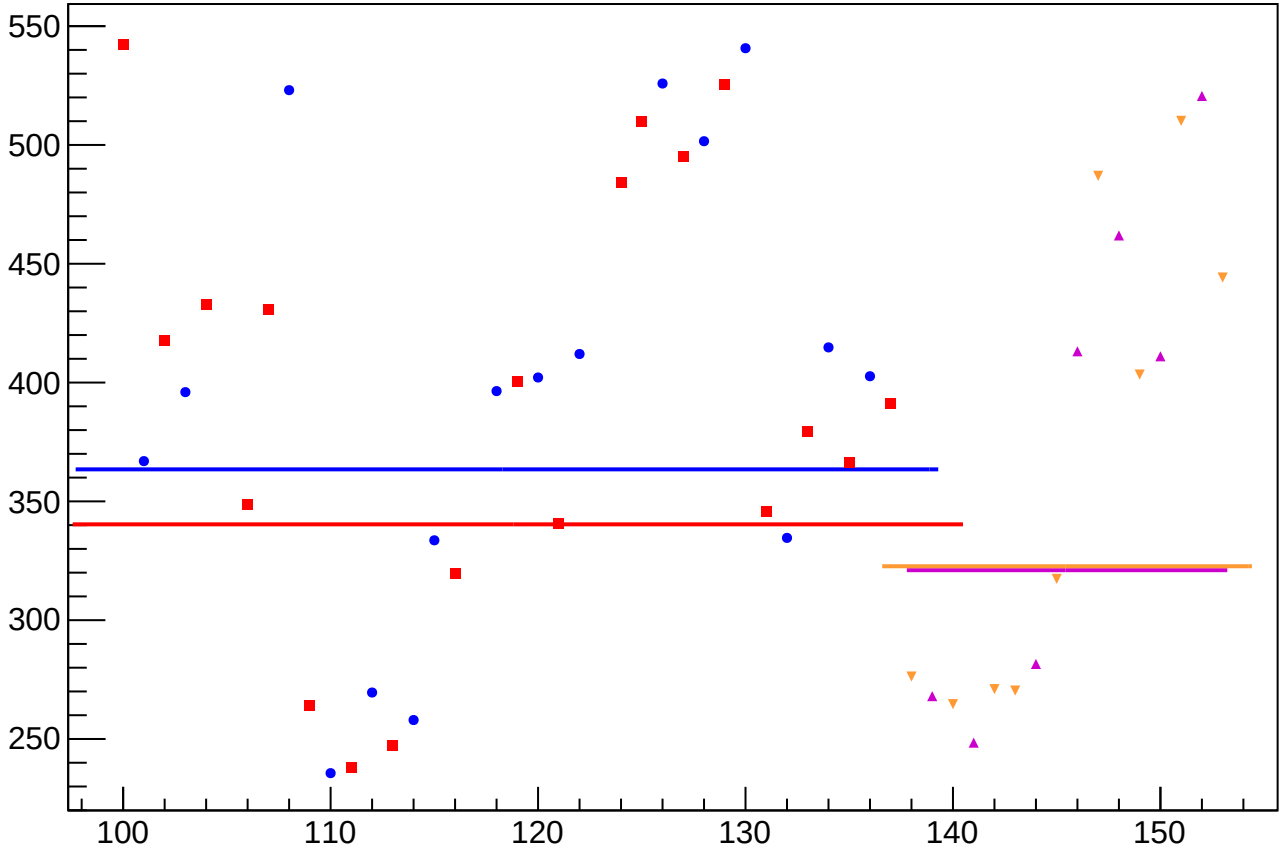
Right: -559.271+/-95.127 χ^2/NDF: 243.7/34

In: -630.617+/-97.393 χ^2/NDF:198.2/22

Out: 615.407+/-90.584 χ^2/NDF:472.7/27

All: 37.468+/-66.329 χ^2/NDF: 758.7/50

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 322.693+/-0.090 χ^2/NDF:806203.9/8

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

Left In: 321.038+/-0.096 χ^2/NDF:812926.4/6

Left: 321.921+/-0.065 χ^2/NDF: 1619289.5/15

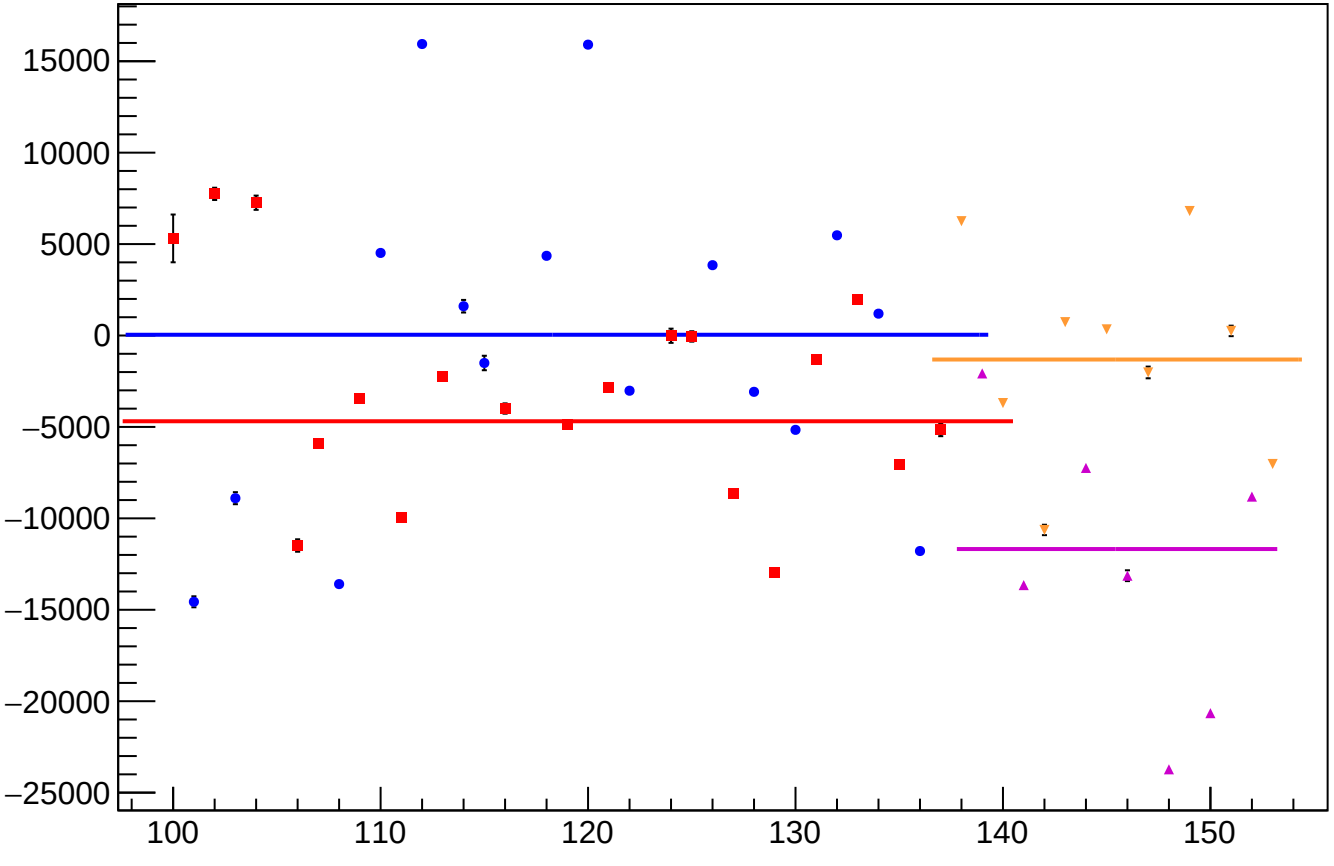
Right: 351.006+/-0.067 χ^2/NDF: 1666529.8/34

In: 341.556+/-0.069 χ^2/NDF:1688629.3/22

Out: 331.309+/-0.064 χ^2/NDF:1681383.8/27

All: 336.062+/-0.047 χ^2/NDF: 3381884.8/50

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -1313.495+/-73.649 χ^2/NDF:5788.9/8

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -11678.075+/-84.539 χ^2/NDF:7040.5/6

Left: -5785.602+/-55.531 χ^2/NDF: 21374.8/15

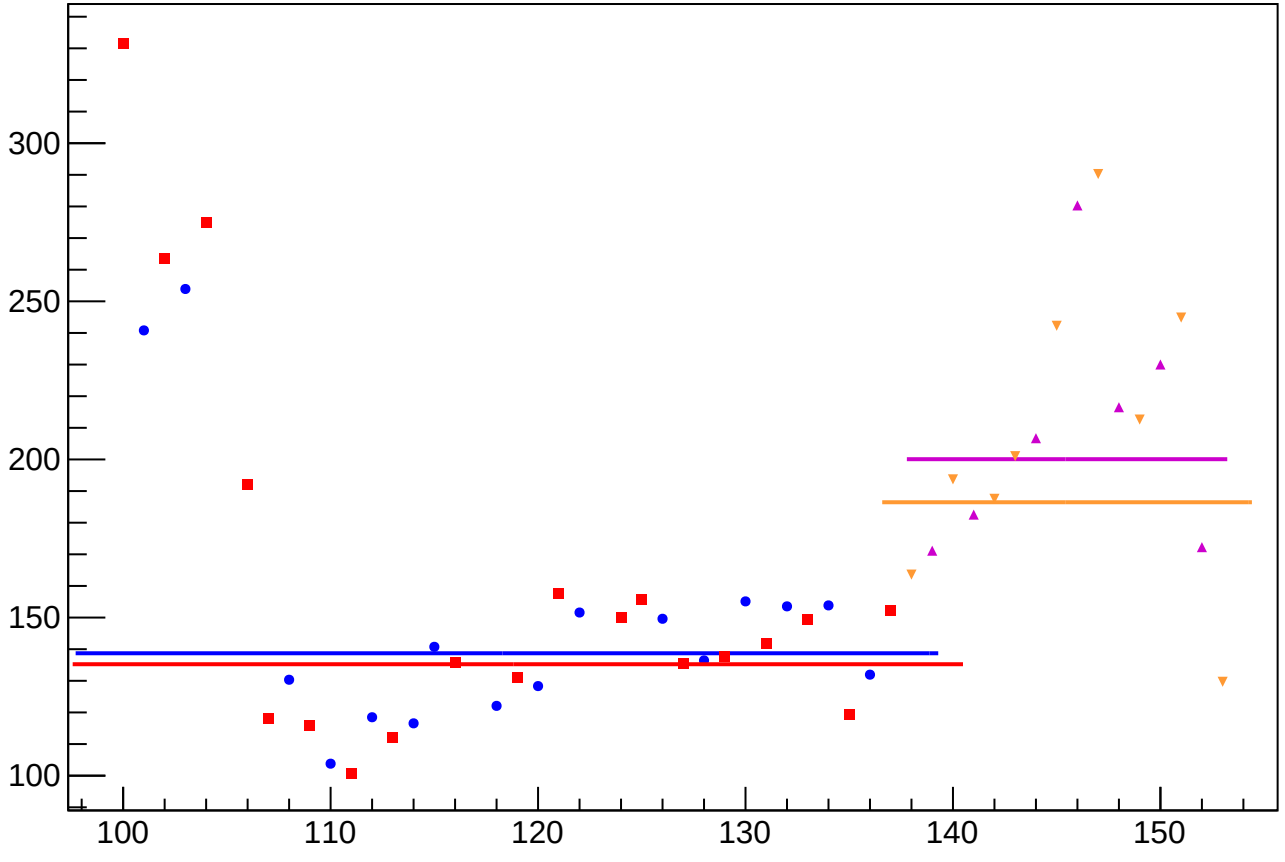
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -3372.745+/-45.627 χ^2/NDF:51445.4/22

Out: -3563.796+/-42.531 χ^2/NDF:14985.3/27

All: -3474.973+/-31.111 χ^2/NDF: 66440.0/50

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 186.465+/-0.052 χ^2/NDF:754538.6/8

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 200.081+/-0.060 χ^2/NDF:281794.4/6

Left: 192.340+/-0.039 χ^2/NDF: 1065827.3/15

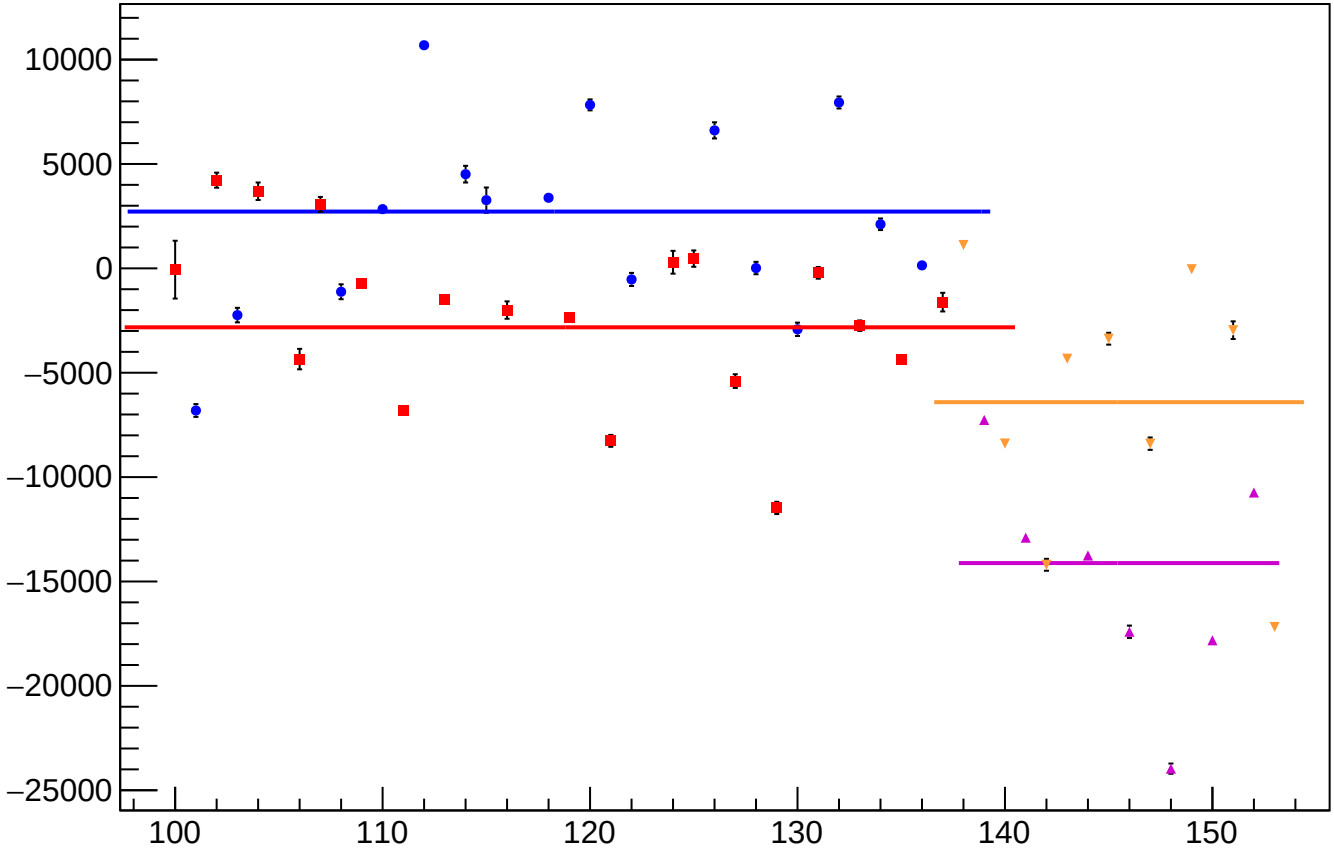
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 156.588+/-0.032 χ^2/NDF:1686510.5/22

Out: 152.326+/-0.030 χ^2/NDF:2289310.4/27

All: 154.308+/-0.022 χ^2/NDF: 3985158.7/50

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -6409.805+/-80.726 χ^2/NDF:6268.0/8

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -14117.968+/-84.391 χ^2/NDF:3461.7/6

Left: -10092.841+/-58.335 χ^2/NDF: 14086.1/15

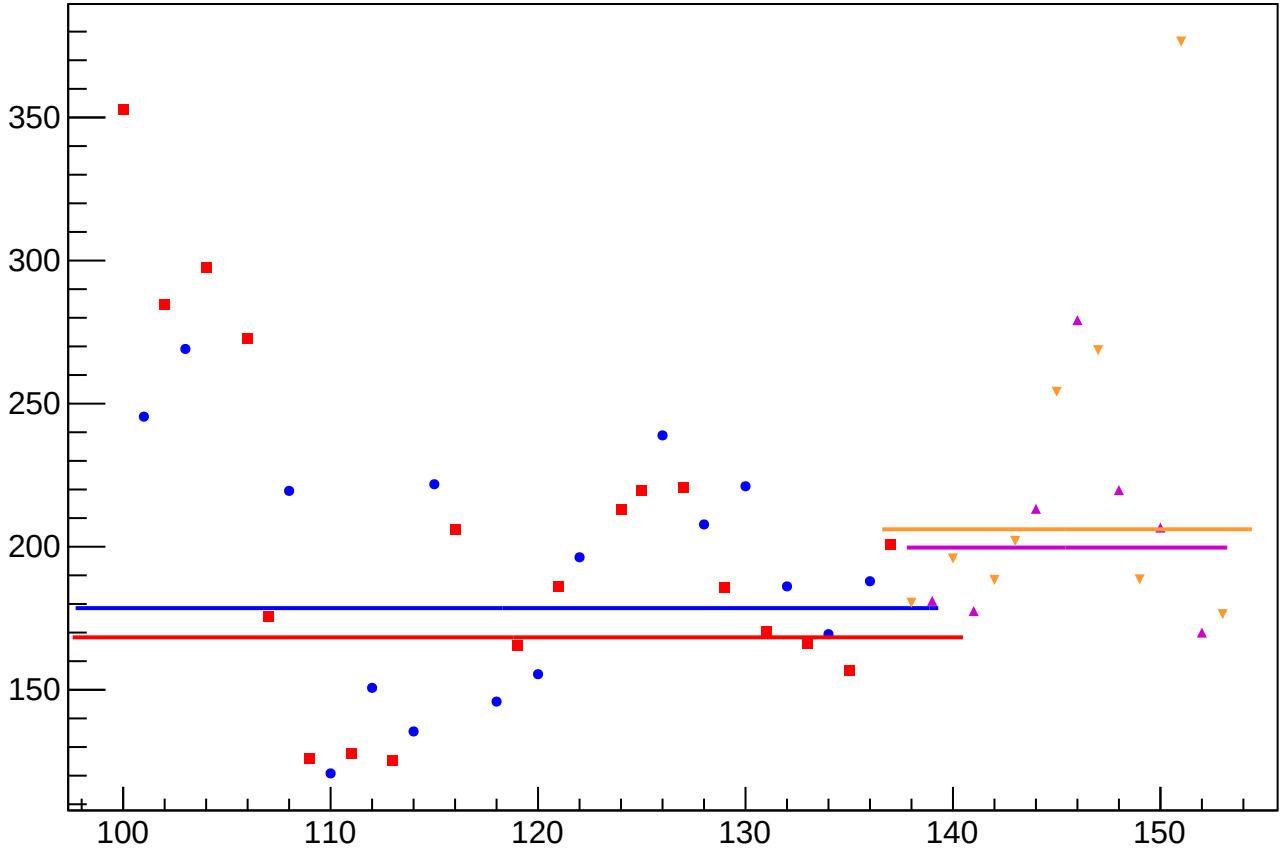
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -4055.251+/-53.532 χ^2/NDF:31381.5/22

Out: -4230.257+/-50.557 χ^2/NDF:10530.2/27

All: -4147.752+/-36.756 χ^2/NDF: 41917.3/50

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 206.093+/-0.057 χ^2/NDF:570945.2/8

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 199.700+/-0.060 χ^2/NDF:244889.7/6

Left: 203.039+/-0.041 χ^2/NDF: 821828.1/15

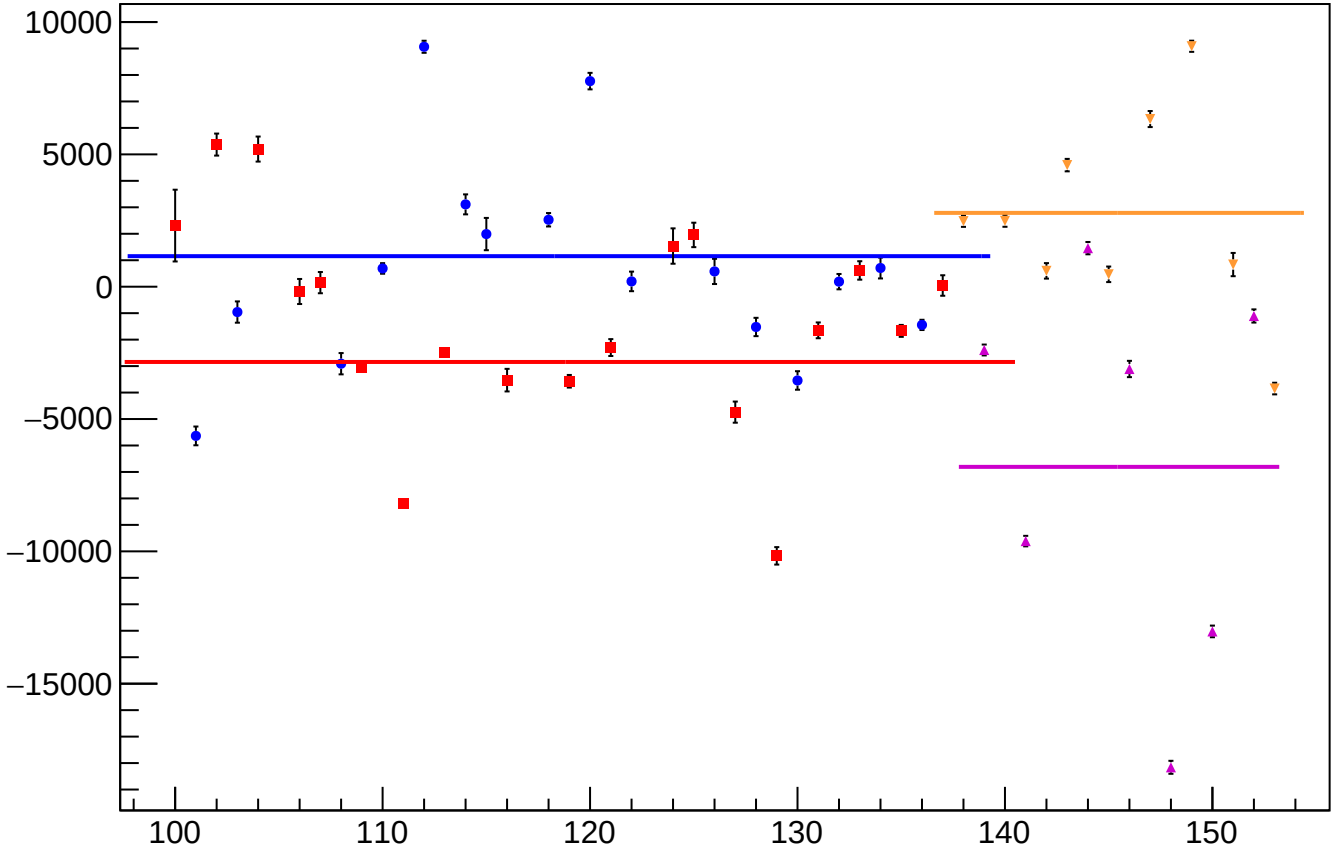
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 187.055+/-0.038 χ^2/NDF:994593.6/22

Out: 183.145+/-0.036 χ^2/NDF:1816366.0/27

All: 184.988+/-0.026 χ^2/NDF: 2816600.2/50

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 2789.374+/-84.016 χ^2/NDF:2139.1/8

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -6807.463+/-87.283 χ^2/NDF:5522.9/6

Left: -1826.120+/-60.530 χ^2/NDF: 13937.1/15

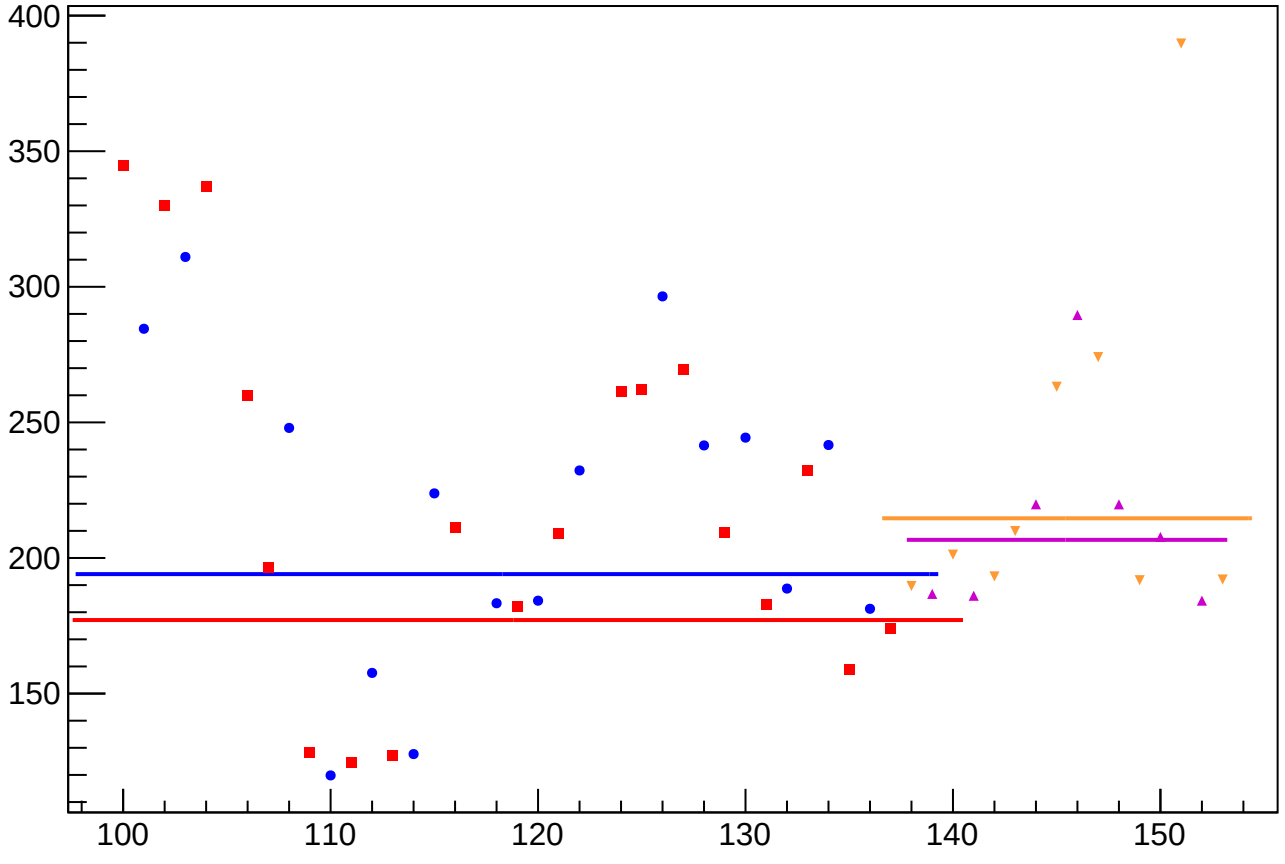
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -2277.090+/-57.298 χ^2/NDF:12912.6/22

Out: -569.360+/-53.386 χ^2/NDF:7272.7/27

All: -1362.944+/-39.060 χ^2/NDF: 20660.8/50

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 214.641+/-0.059 χ^2/NDF:538437.0/8

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 206.690+/-0.062 χ^2/NDF:213463.8/6

Left: 210.817+/-0.043 χ^2/NDF: 760514.0/15

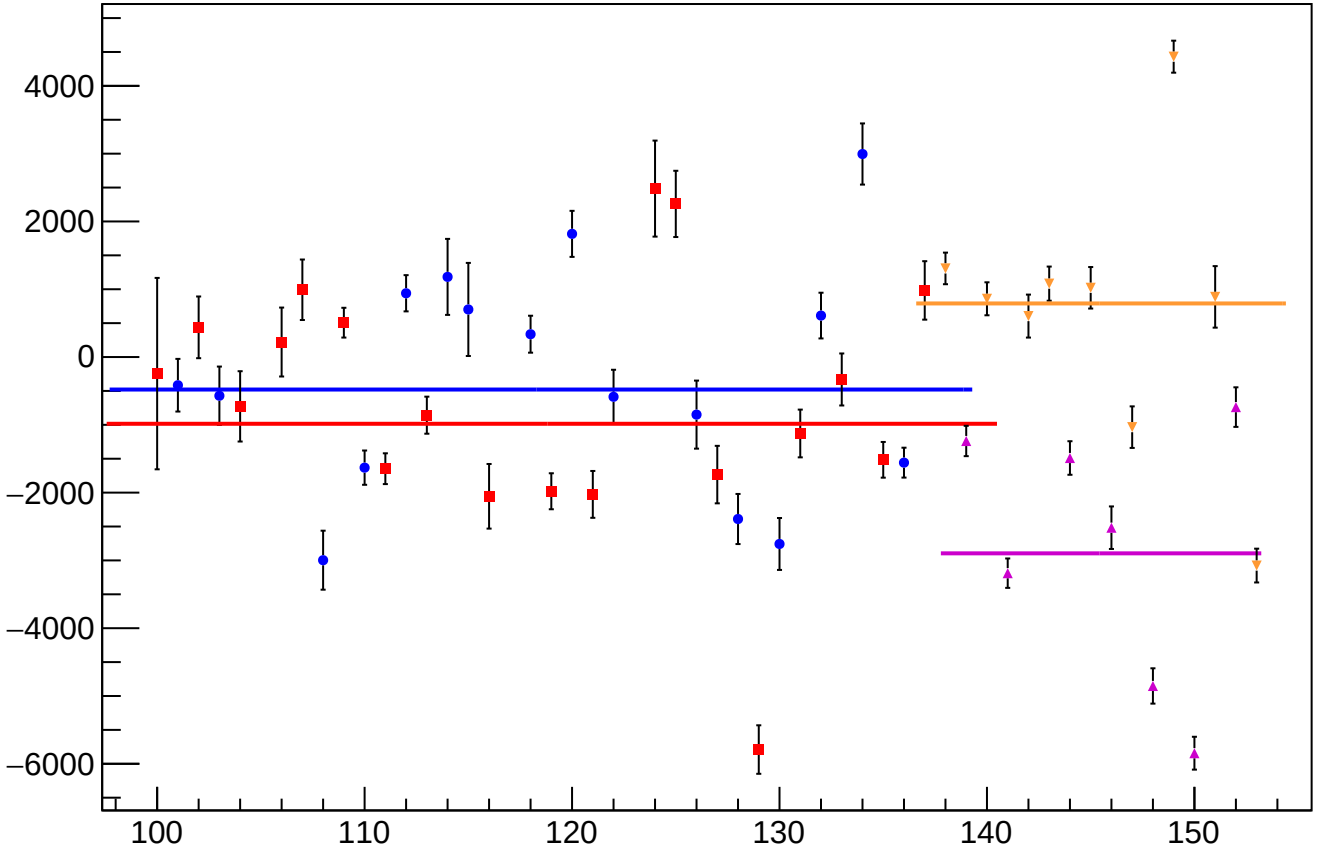
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 199.499+/-0.041 χ^2/NDF:1203108.4/22

Out: 192.267+/-0.038 χ^2/NDF:2135672.0/27

All: 195.628+/-0.028 χ^2/NDF: 3355837.1/50

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 790.518+/-90.824 χ^2/NDF:521.0/8

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -2895.724+/-94.814 χ^2/NDF:349.5/6

Left: -973.412+/-65.587 χ^2/NDF: 1658.7/15

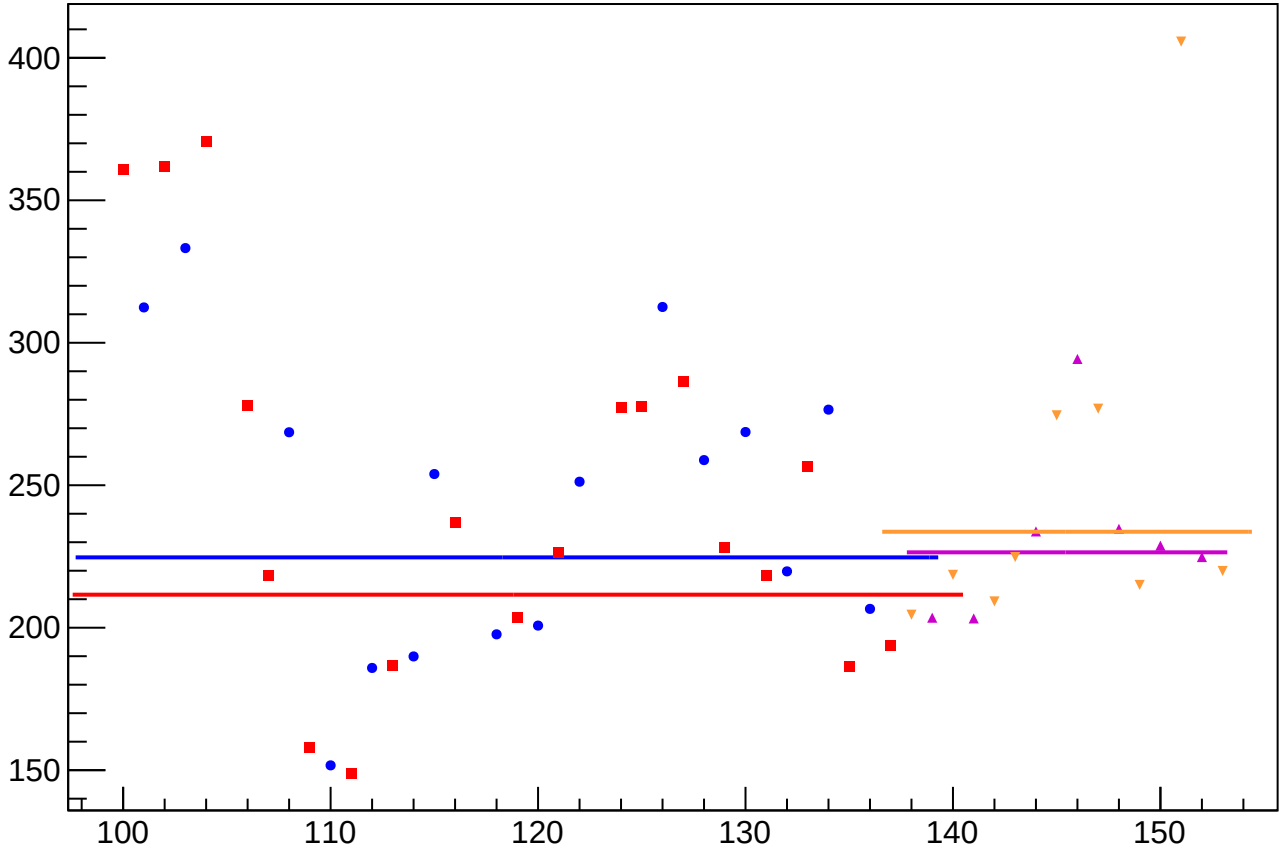
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -1579.503+/-63.977 χ^2/NDF:1008.7/22

Out: -198.737+/-60.429 χ^2/NDF:1132.0/27

All: -849.776+/-43.930 χ^2/NDF: 2386.9/50

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 233.680+/-0.064 χ^2/NDF:434672.8/8

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 226.452+/-0.067 χ^2/NDF:141511.9/6

Left: 230.221+/-0.046 χ^2/NDF: 582244.7/15

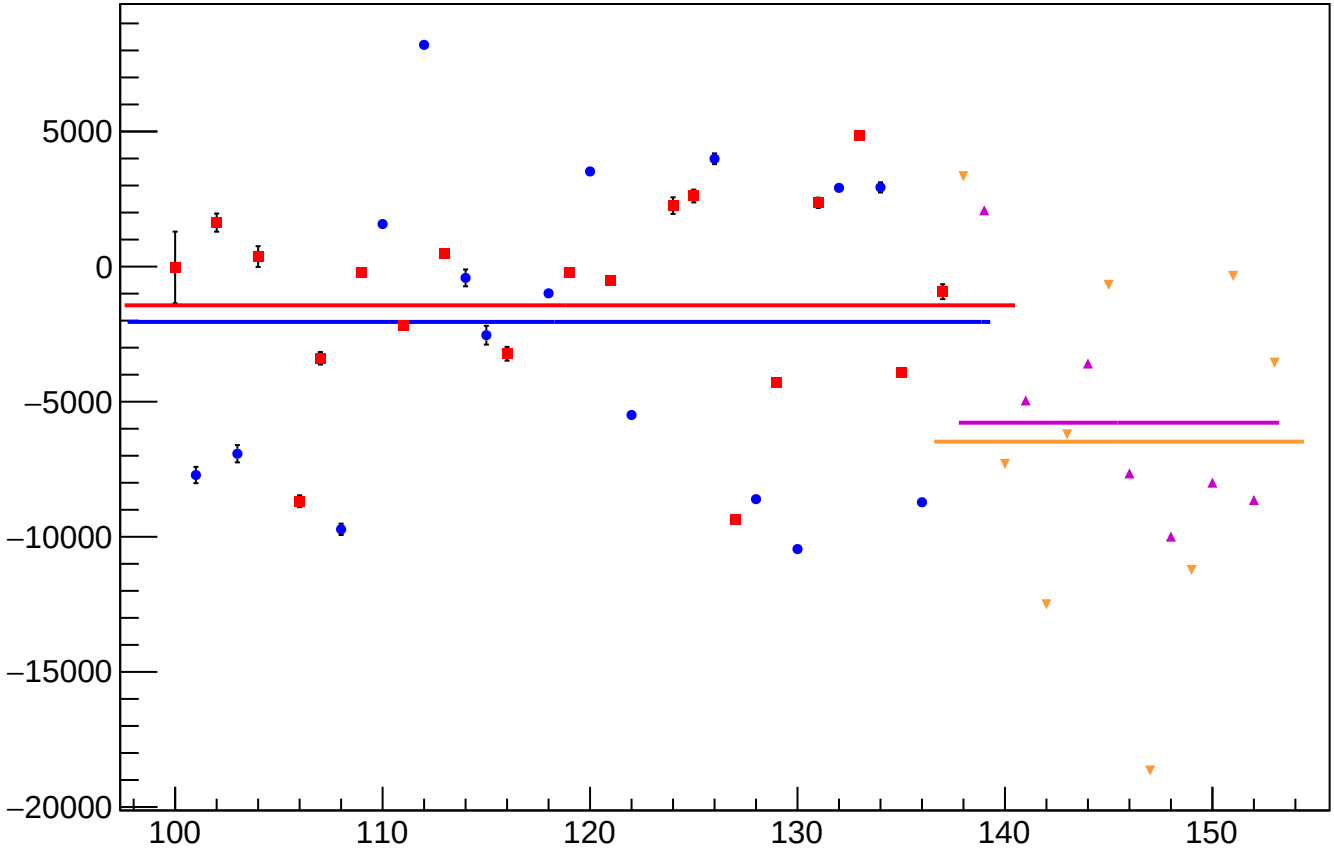
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 225.488+/-0.045 χ^2/NDF:795084.9/22

Out: 221.371+/-0.043 χ^2/NDF:1433480.4/27

All: 223.313+/-0.031 χ^2/NDF: 2232942.5/50

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -6478.394+/-43.098 χ^2/NDF:23481.0/8

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -5776.871+/-46.669 χ^2/NDF:6476.5/6

Left: -6155.490+/-31.662 χ^2/NDF: 30079.4/15

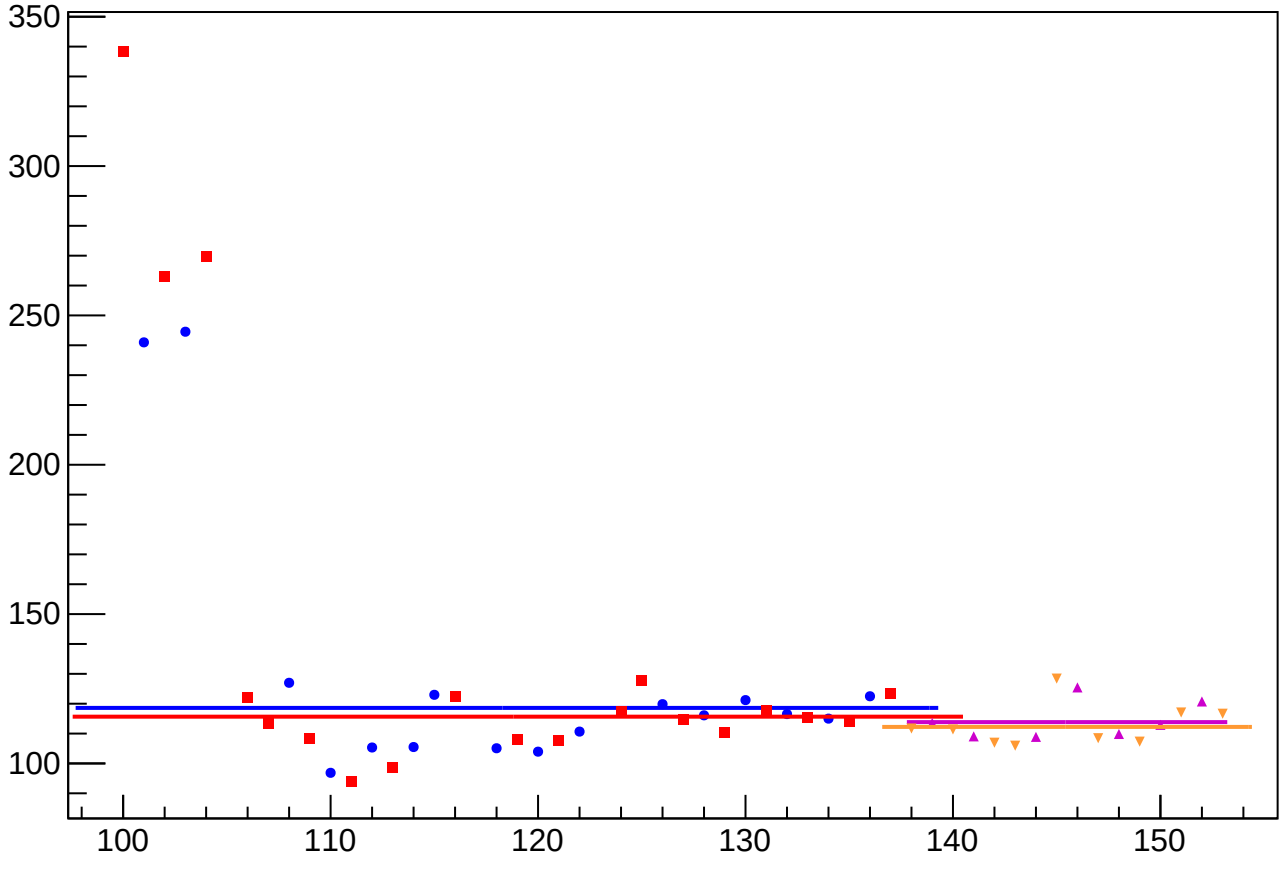
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -3914.198+/-33.018 χ^2/NDF:26375.3/22

Out: -4049.300+/-31.036 χ^2/NDF:36467.0/27

All: -3985.927+/-22.614 χ^2/NDF: 62851.2/50

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 112.229+/-0.030 χ^2/NDF:43184.1/8

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 113.836+/-0.033 χ^2/NDF:29788.9/6

Left: 112.968+/-0.022 χ^2/NDF: 74252.2/15

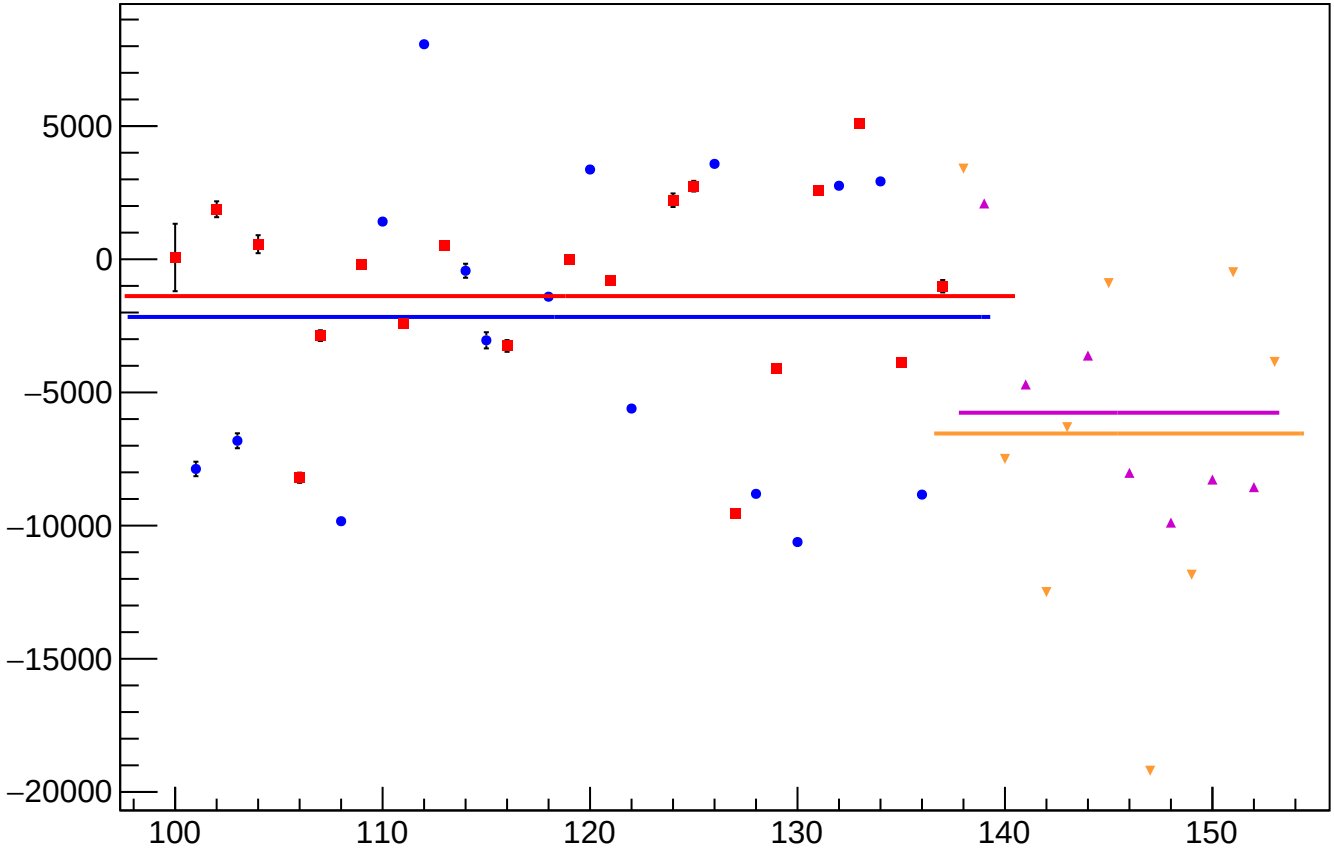
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 116.213+/-0.023 χ^2/NDF:774340.2/22

Out: 113.881+/-0.022 χ^2/NDF:913491.3/27

All: 114.975+/-0.016 χ^2/NDF: 1693129.8/50

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -6541.709+/-39.230 χ^2/NDF:28447.0/8

Right Out: -1383.103+/-37.976 χ^2/NDF: 9148.6/18

Left In: -5761.235+/-43.472 χ^2/NDF:7684.3/6

Left: -6191.403+/-29.125 χ^2/NDF: 36308.9/15

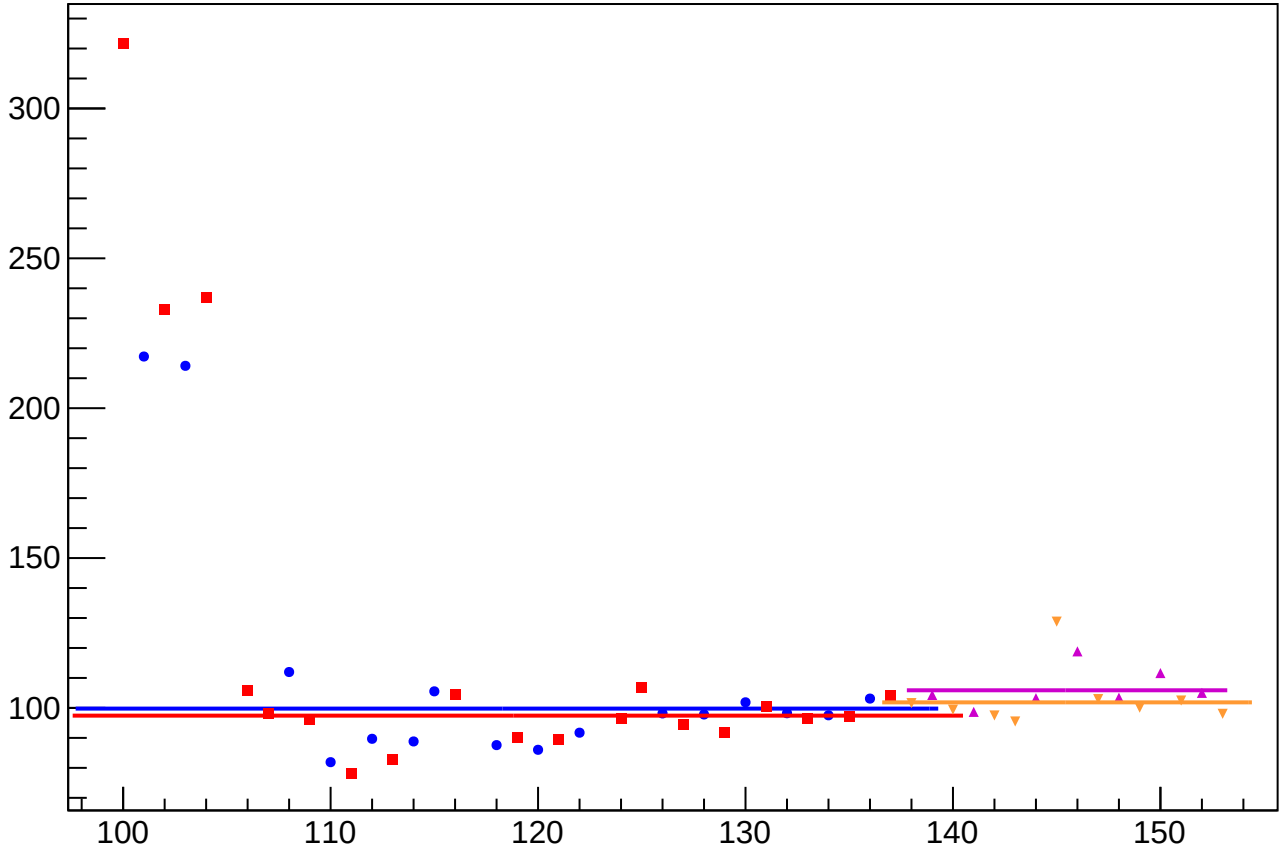
Right: -1757.793+/-27.420 χ^2/NDF: 32226.8/34

In: -3797.755+/-29.288 χ^2/NDF:34294.5/22

Out: -3878.618+/-27.286 χ^2/NDF:46522.0/27

All: -3841.045+/-19.964 χ^2/NDF: 80820.6/50

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 101.853+/-0.028 χ^2/NDF:81497.7/8

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

Left In: 105.885+/-0.031 χ^2/NDF:37308.4/6

Left: 103.663+/-0.021 χ^2/NDF: 128285.5/15

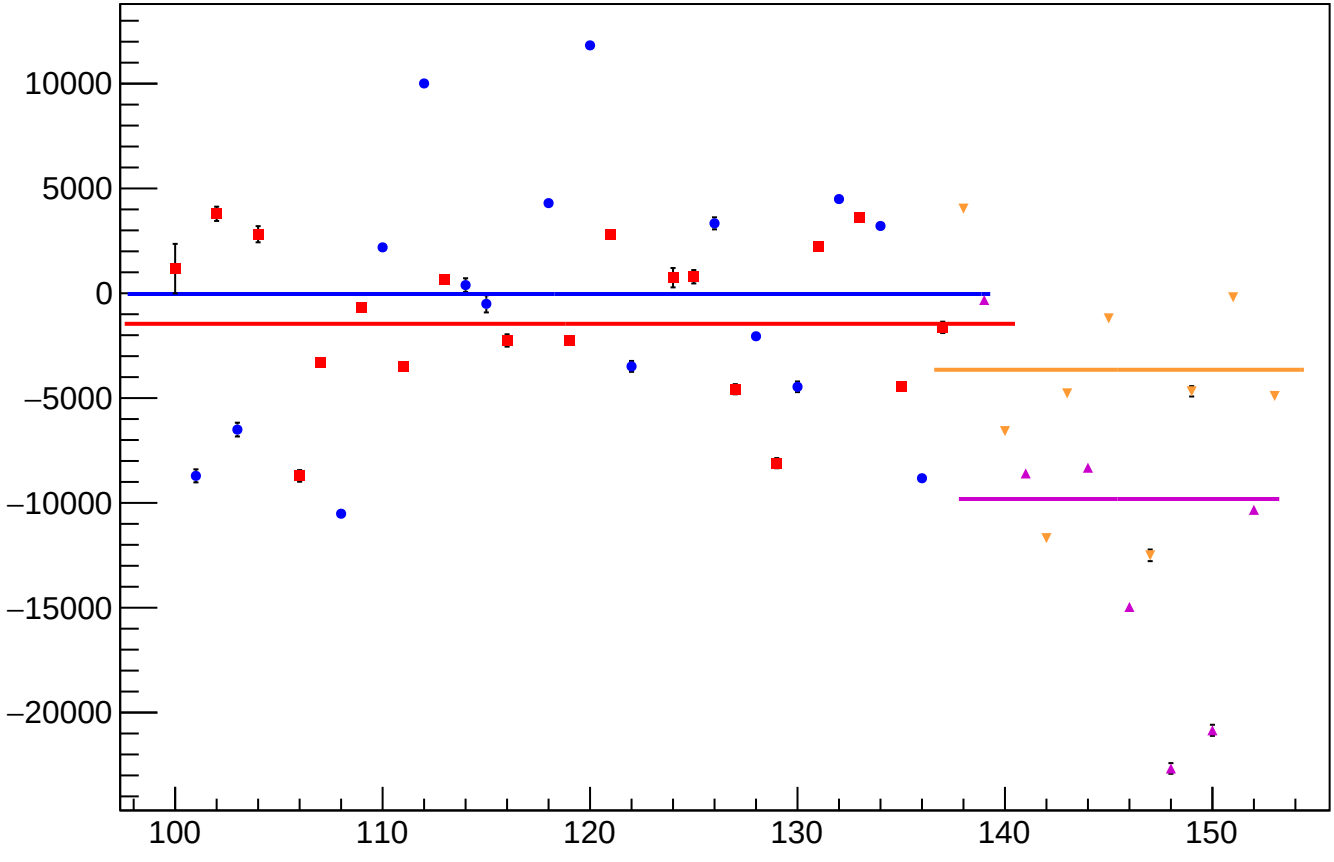
Right: 98.551+/-0.019 χ^2/NDF: 1738857.3/34

In: 102.548+/-0.021 χ^2/NDF:868037.4/22

Out: 99.568+/-0.019 χ^2/NDF:1020686.0/27

All: 100.953+/-0.014 χ^2/NDF: 1899802.9/50

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -3648.833+/-62.038 χ^2/NDF:5580.8/8

Right Out: -1456.665+/-51.946 χ^2/NDF: 4117.0/18

Left In: -9813.512+/-72.363 χ^2/NDF:8501.7/6

Left: -6260.354+/-47.098 χ^2/NDF: 18265.6/15

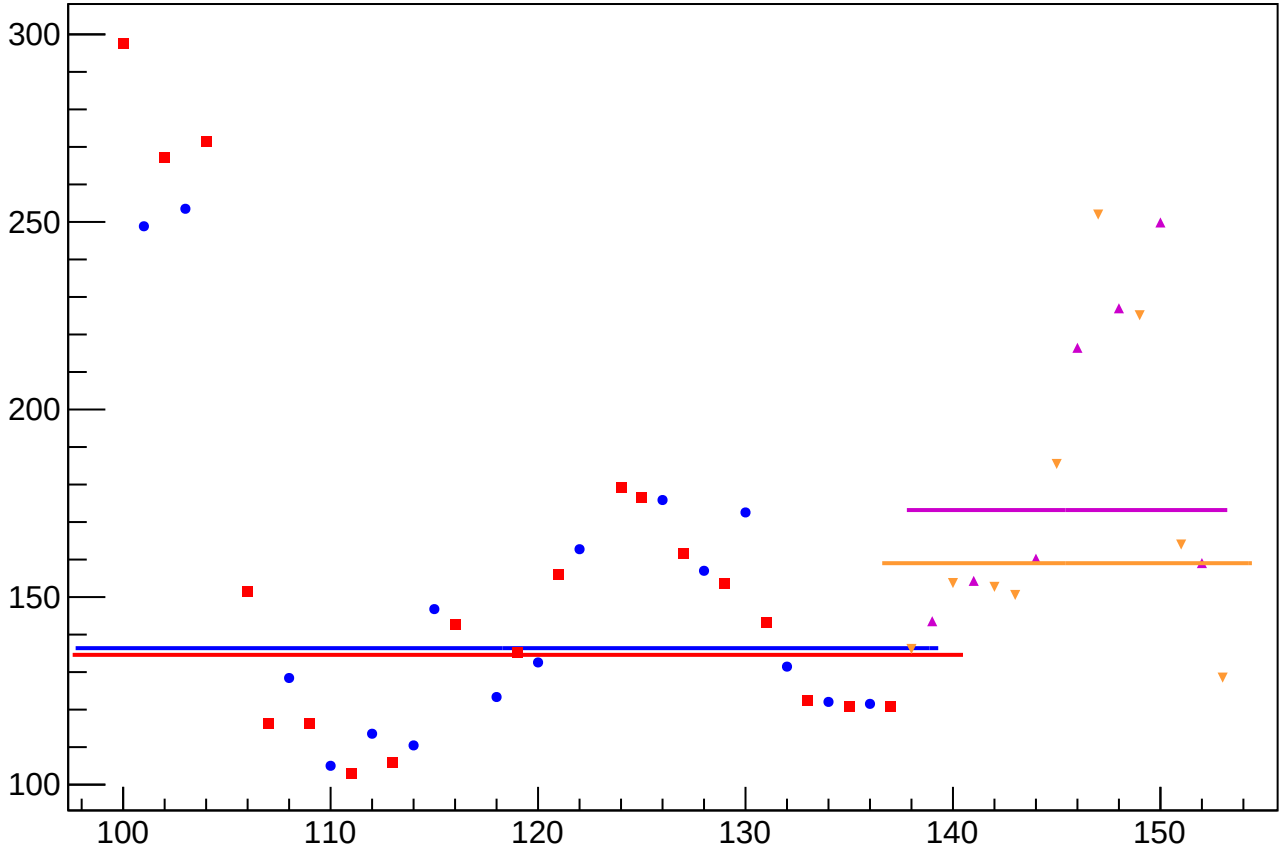
Right: -766.160+/-37.257 χ^2/NDF: 21283.7/34

In: -3487.855+/-43.001 χ^2/NDF:37117.6/22

Out: -2360.172+/-39.828 χ^2/NDF:10431.8/27

All: -2880.867+/-29.220 χ^2/NDF: 47919.6/50

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 159.033+/-0.044 χ^2/NDF:544100.9/8

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

Left In: 173.197+/-0.051 χ^2/NDF:448778.0/6

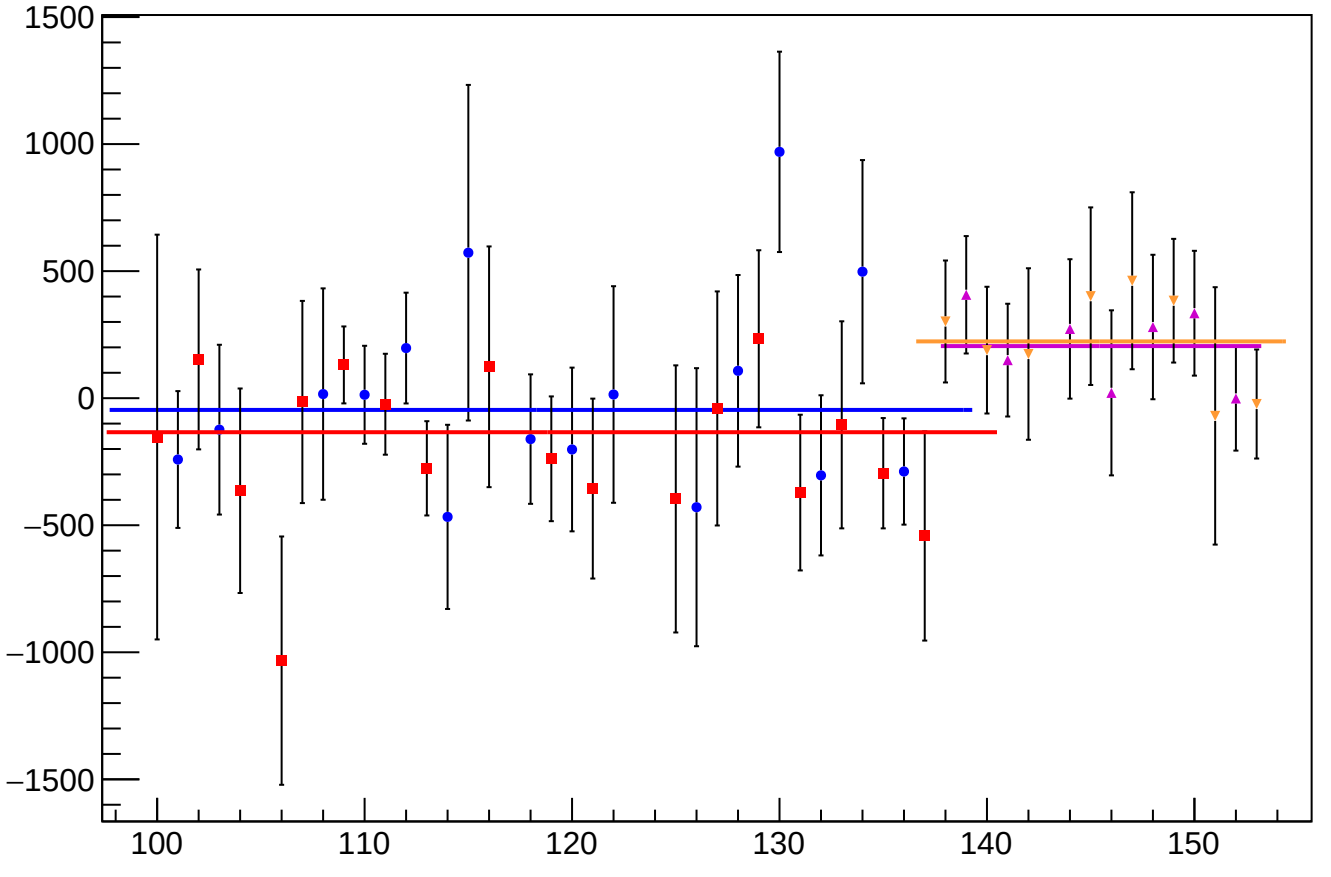
Left: 165.034+/-0.033 χ^2/NDF: 1037044.6/15

Right: 135.465+/-0.026 χ^2/NDF: 1717607.6/34

In: 149.383+/-0.030 χ^2/NDF:1580479.2/22

Out: 144.669+/-0.028 χ^2/NDF:1646097.7/27

All: 146.846+/-0.021 χ^2/NDF: 3239515.0/50



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 223.500+/-99.424 χ^2/NDF:3.0/7

Right Out: -133.913+/-68.414 χ^2/NDF: 12.8/17

Left In: 205.015+/-93.456 χ^2/NDF:2.6/6

Left: 213.686+/-68.095 χ^2/NDF: 5.5/14

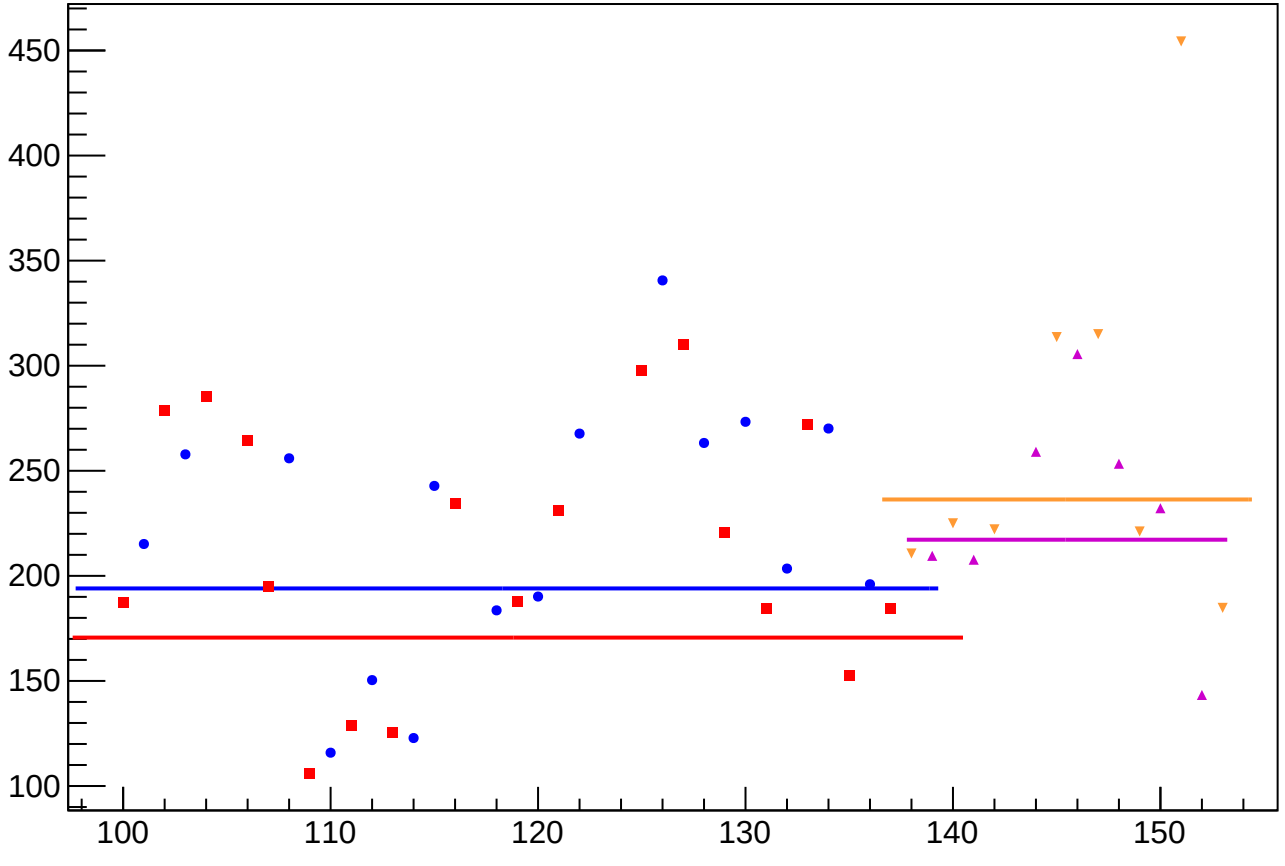
Right: -94.812+/-50.931 χ^2/NDF: 29.0/33

In: 54.250+/-59.096 χ^2/NDF:22.4/22

Out: -19.063+/-56.360 χ^2/NDF:24.6/25

All: 15.857+/-40.785 χ^2/NDF: 47.7/48

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: 236.348+/-0.070 χ^2/NDF:724267.4/7

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

Left In: 217.202+/-0.066 χ^2/NDF:499089.7/6

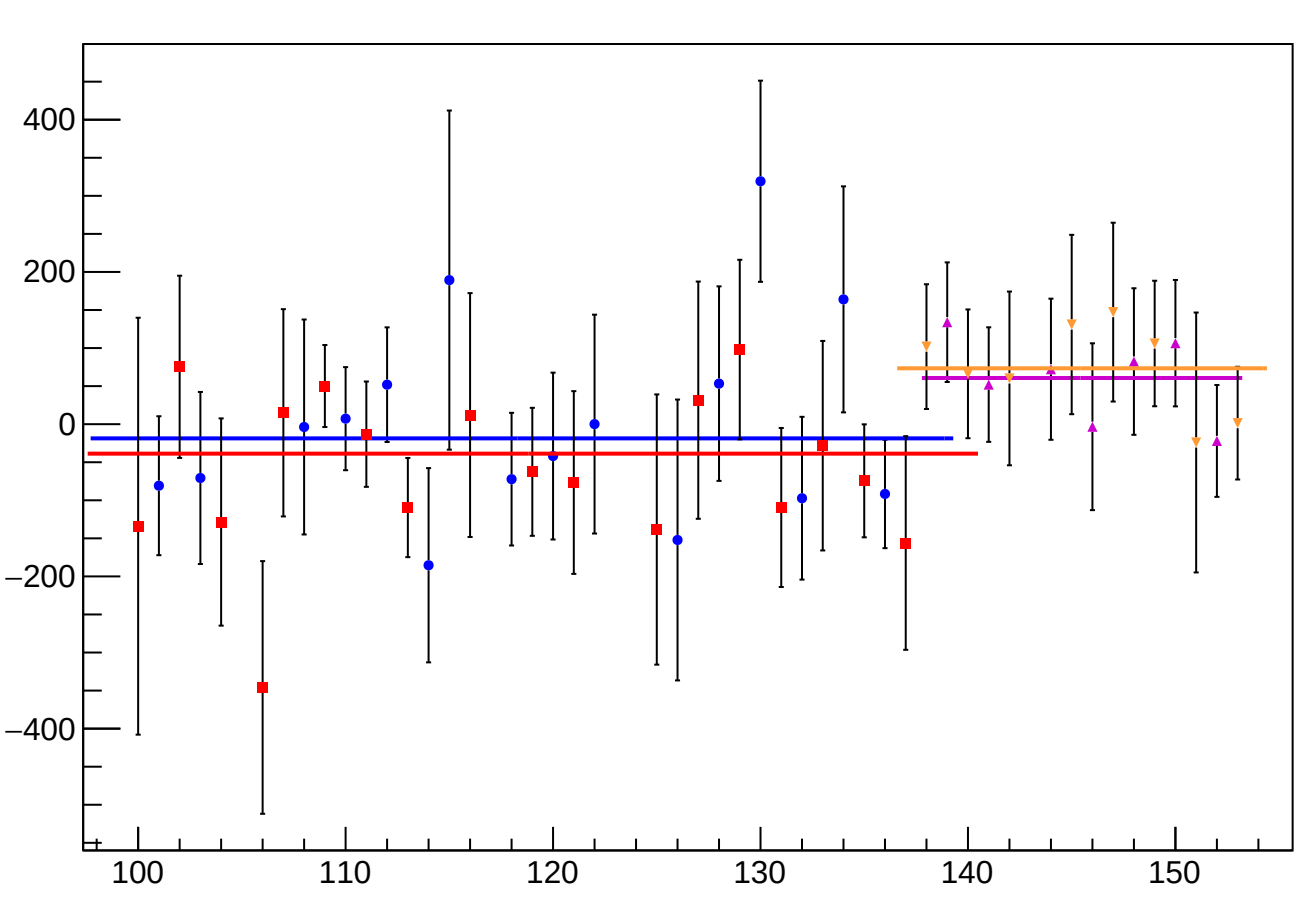
Left: 226.183+/-0.048 χ^2/NDF: 1262732.6/14

Right: 181.052+/-0.036 χ^2/NDF: 2741566.5/33

In: 203.288+/-0.042 χ^2/NDF:1616552.8/22

Out: 191.743+/-0.040 χ^2/NDF:2911143.8/25

All: 197.242+/-0.029 χ^2/NDF: 4567665.3/48



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 73.421+/-33.833 χ^2/NDF:2.2/7

Right Out: -38.716+/-23.652 χ^2/NDF: 12.6/17

Left In: 60.691+/-32.005 χ^2/NDF:2.9/6

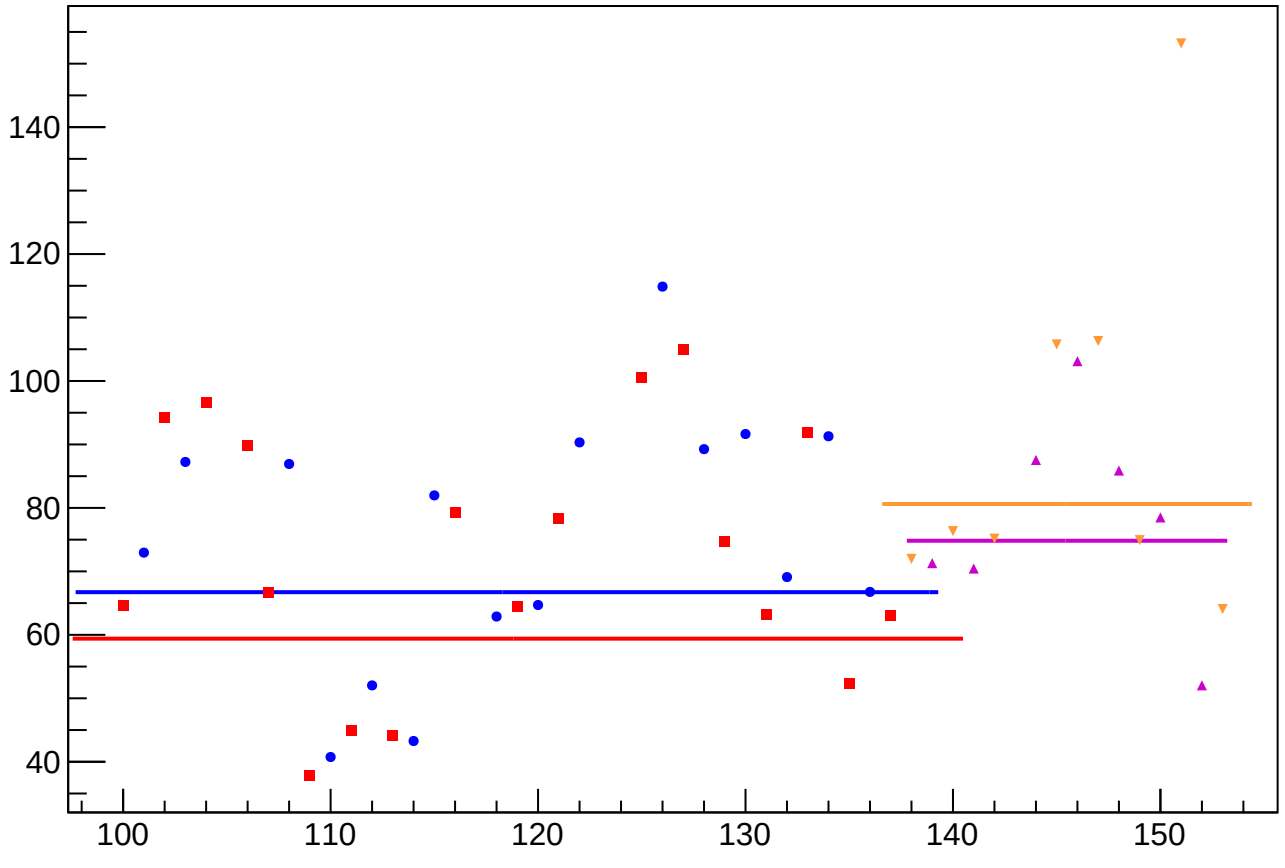
Left: 66.703+/-23.250 χ^2/NDF: 5.1/14

Right: -29.674+/-17.533 χ^2/NDF: 28.2/33

In: 13.076+/-20.237 χ^2/NDF:21.8/22

Out: -1.904+/-19.385 χ^2/NDF:22.2/25

All: 5.264+/-13.999 χ^2/NDF: 44.2/48



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 80.617+/-0.024 χ^2/NDF:689310.4/7

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

Left In: 74.826+/-0.023 χ^2/NDF:404308.7/6

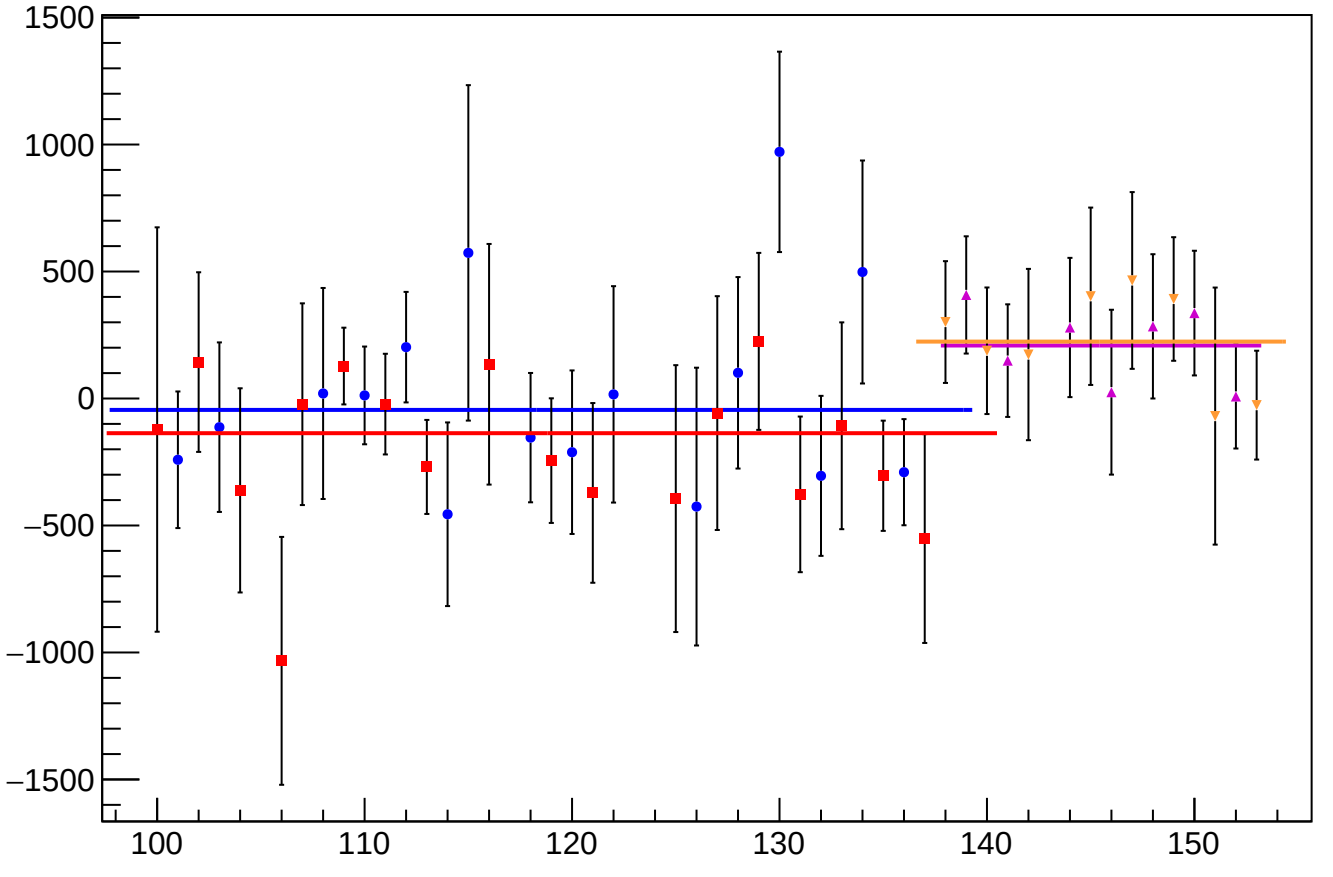
Left: 77.561+/-0.016 χ^2/NDF: 1124545.4/14

Right: 62.700+/-0.012 χ^2/NDF: 2478799.5/33

In: 69.963+/-0.014 χ^2/NDF:1428261.1/22

Out: 66.365+/-0.014 χ^2/NDF:2662995.5/25

All: 68.087+/-0.010 χ^2/NDF: 4124225.7/48



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 224.078+/-99.341 χ^2/NDF:3.1/7

Right Out: -136.579+/-68.322 χ^2/NDF: 12.9/17

Left In: 208.694+/-93.368 χ^2/NDF:2.5/6

Left: 215.910+/-68.035 χ^2/NDF: 5.6/14

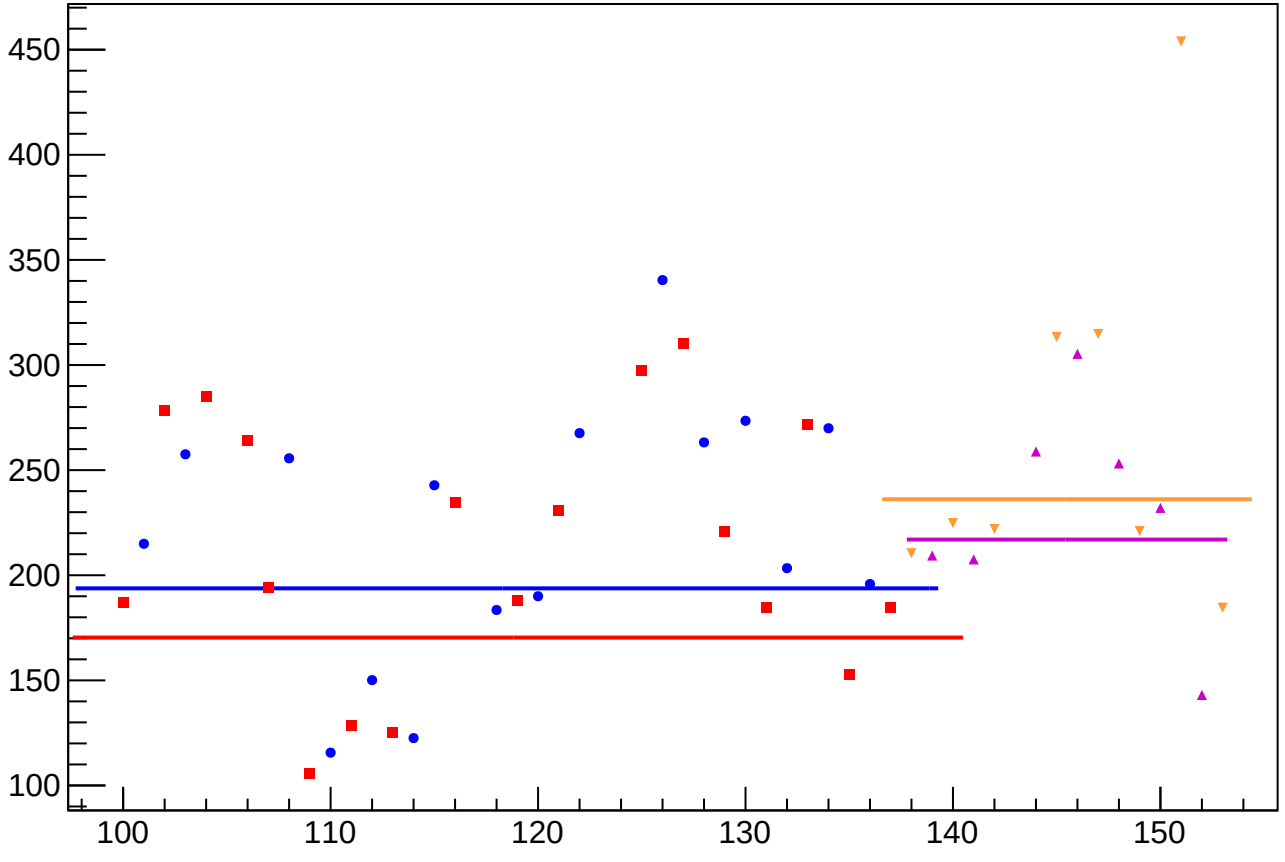
Right: -95.728+/-50.868 χ^2/NDF: 29.1/33

In: 56.469+/-59.034 χ^2/NDF:22.4/22

Out: -20.766+/-56.294 χ^2/NDF:24.9/25

All: 16.017+/-40.740 χ^2/NDF: 48.2/48

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: 236.146+/-0.070 χ^2/NDF:724627.5/7

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

Left In: 216.978+/-0.066 χ^2/NDF:500730.3/6

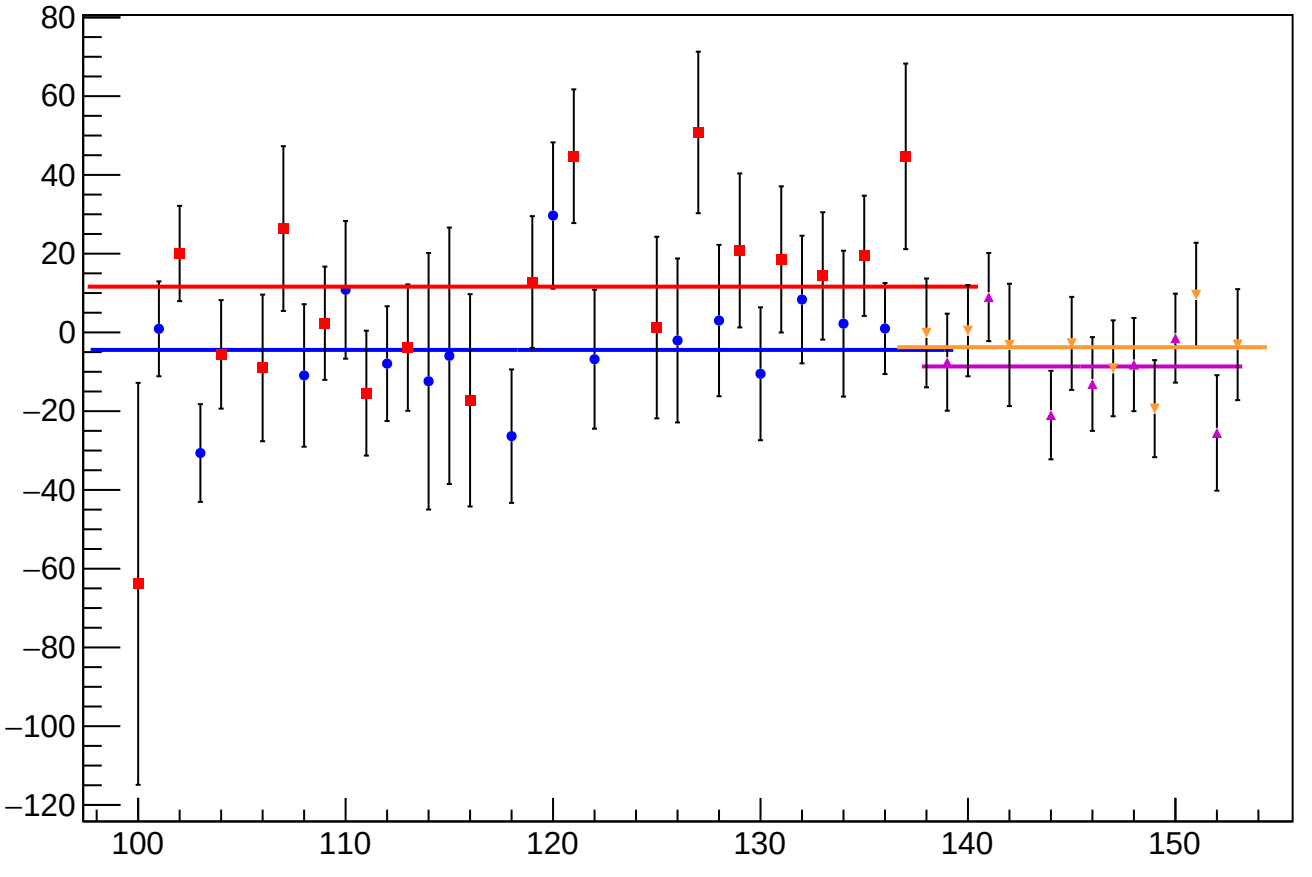
Left: 225.969+/-0.048 χ^2/NDF: 1264893.1/14

Right: 180.791+/-0.036 χ^2/NDF: 2751765.9/33

In: 203.047+/-0.042 χ^2/NDF:1623011.1/22

Out: 191.483+/-0.040 χ^2/NDF:2919132.6/25

All: 196.990+/-0.029 χ^2/NDF: 4582331.9/48



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: -3.754+/-4.561 χ^2/NDF:3.0/7

Right Out: 11.627+/-4.137 χ^2/NDF: 21.6/17

Left In: -8.647+/-4.510 χ^2/NDF:5.6/6

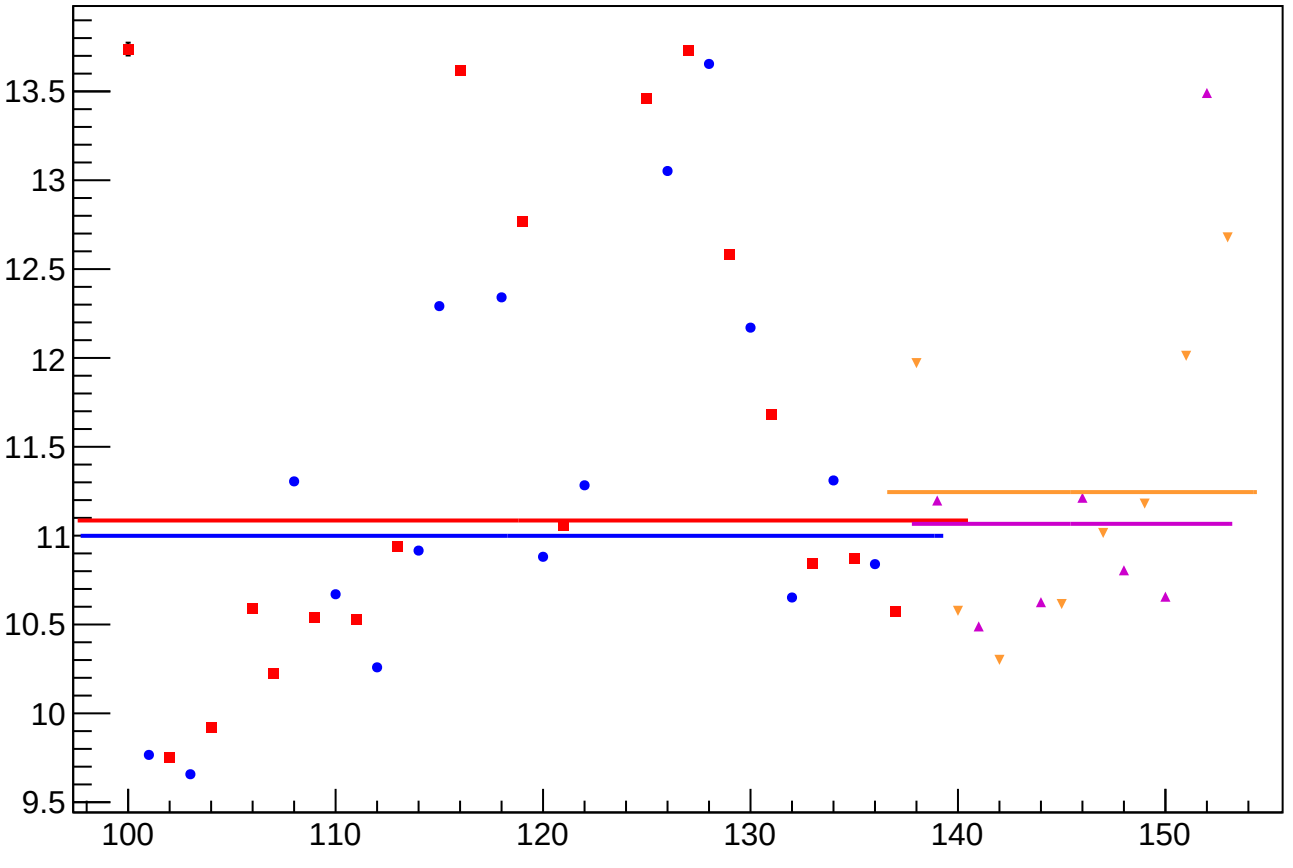
Left: -6.229+/-3.207 χ^2/NDF: 9.2/14

Right: 3.582+/-2.923 χ^2/NDF: 41.2/33

In: -6.360+/-3.046 χ^2/NDF:18.0/22

Out: 4.686+/-3.064 χ^2/NDF:30.9/25

All: -0.870+/-2.160 χ^2/NDF: 55.4/48



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.245+/-0.003 χ^2/NDF:53395.5/7

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

Left In: 11.067+/-0.003 χ^2/NDF:67185.5/6

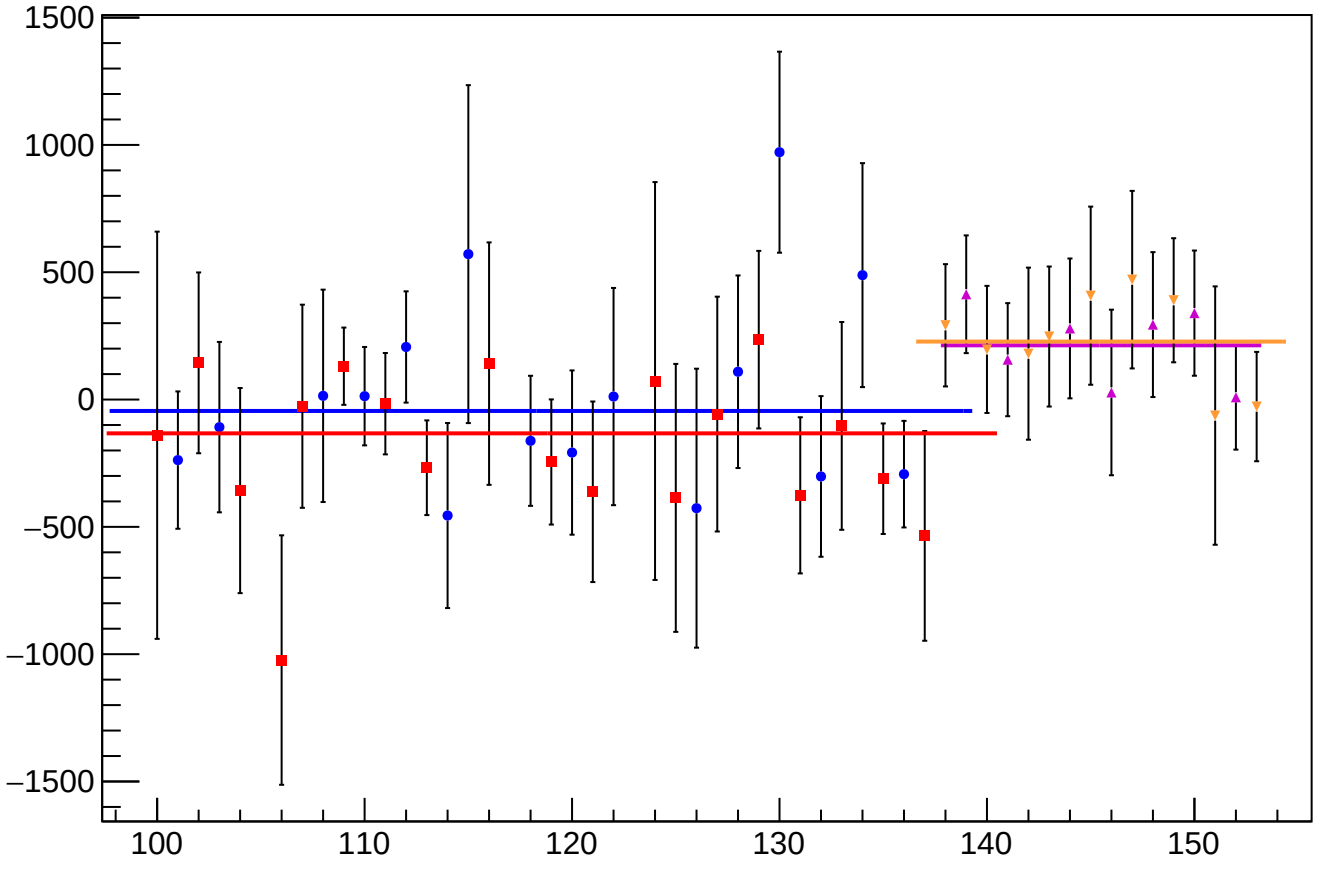
Left: 11.155+/-0.002 χ^2/NDF: 122132.4/14

Right: 11.042+/-0.002 χ^2/NDF: 298798.9/33

In: 11.030+/-0.002 χ^2/NDF:203588.1/22

Out: 11.157+/-0.002 χ^2/NDF:216947.4/25

All: 11.093+/-0.002 χ^2/NDF: 422280.3/48



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 227.720+/-93.579 χ^2/NDF:3.0/8

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 213.014+/-93.549 χ^2/NDF:2.5/6

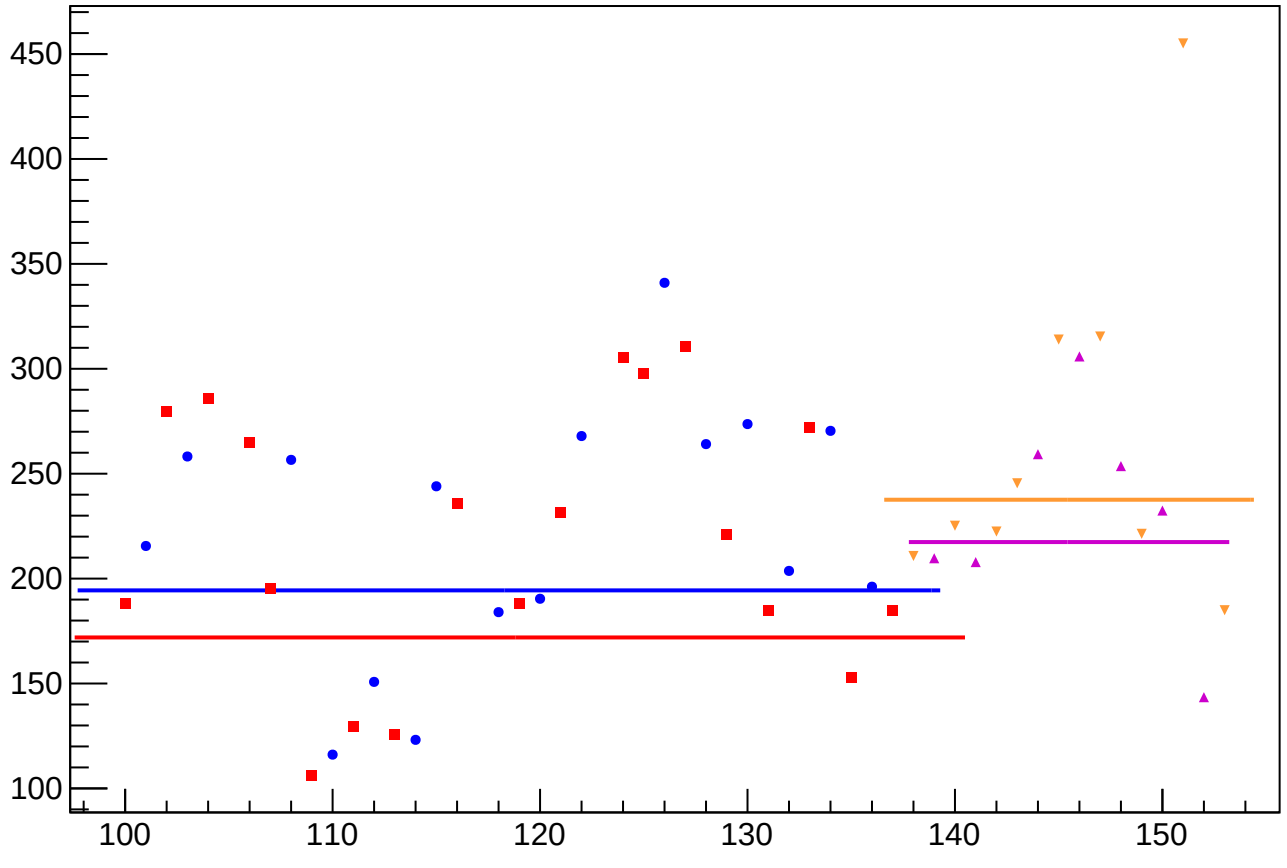
Left: 220.365+/-66.160 χ^2/NDF: 5.6/15

Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 58.394+/-59.185 χ^2/NDF:22.5/22

Out: -7.525+/-55.152 χ^2/NDF:25.6/27

All: 23.113+/-40.349 χ^2/NDF: 48.8/50



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 237.591+/-0.066 χ^2/NDF:726978.0/8

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 217.413+/-0.066 χ^2/NDF:499111.3/6

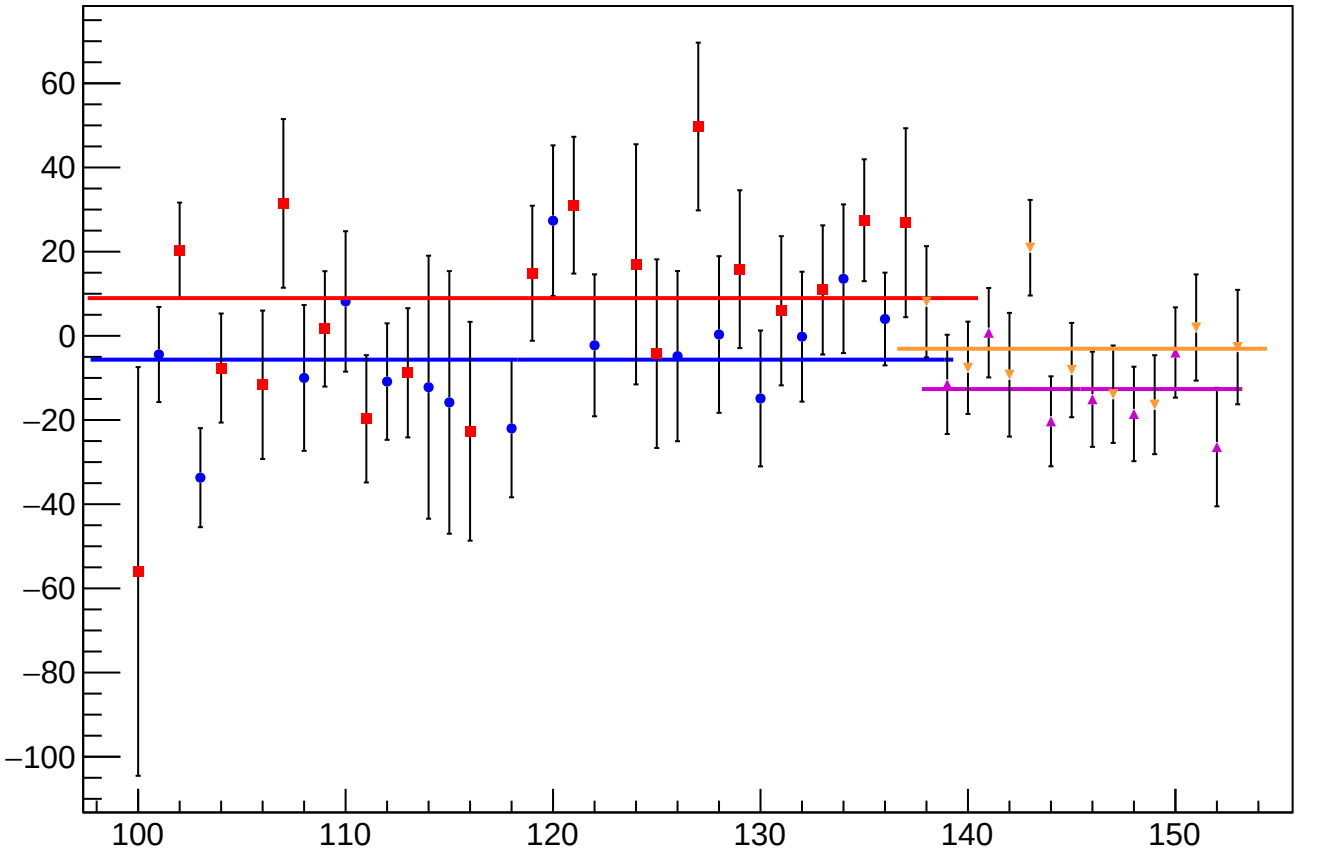
Left: 227.499+/-0.047 χ^2/NDF: 1272596.0/15

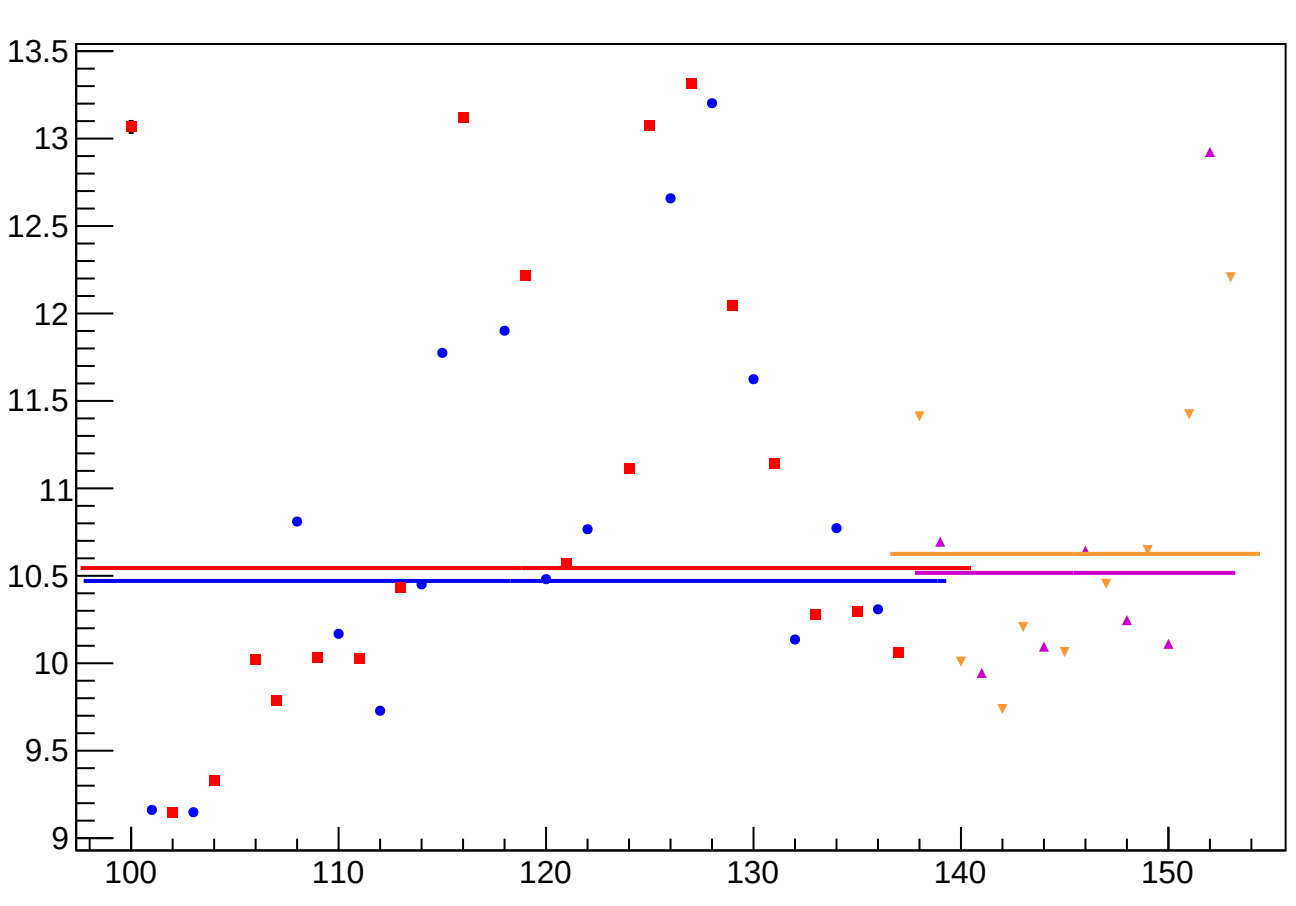
Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 203.602+/-0.042 χ^2/NDF:1613818.1/22

Out: 194.750+/-0.039 χ^2/NDF:3020583.6/27

All: 198.864+/-0.029 χ^2/NDF: 4658349.0/50


asym_bcm_an_us_an_ds3_dd_mean vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
Right In: -5.657+/-3.939 χ²/NDF: 13.7/15
Left Out: -3.062+/-4.056 χ²/NDF:8.0/8
Right Out: 8.960+/-3.901 χ²/NDF: 22.8/18
Left In: -12.647+/-4.292 χ²/NDF:4.0/6
Left: -7.585+/-2.948 χ²/NDF: 14.7/15
Right: 1.723+/-2.772 χ²/NDF: 43.4/34
In: -8.854+/-2.902 χ²/NDF:19.2/22
Out: 3.184+/-2.812 χ²/NDF:35.4/27
All: -2.645+/-2.019 χ²/NDF: 63.4/50



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.625+/-0.003 χ^2/NDF:63939.2/8

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.517+/-0.003 χ^2/NDF:72084.0/6

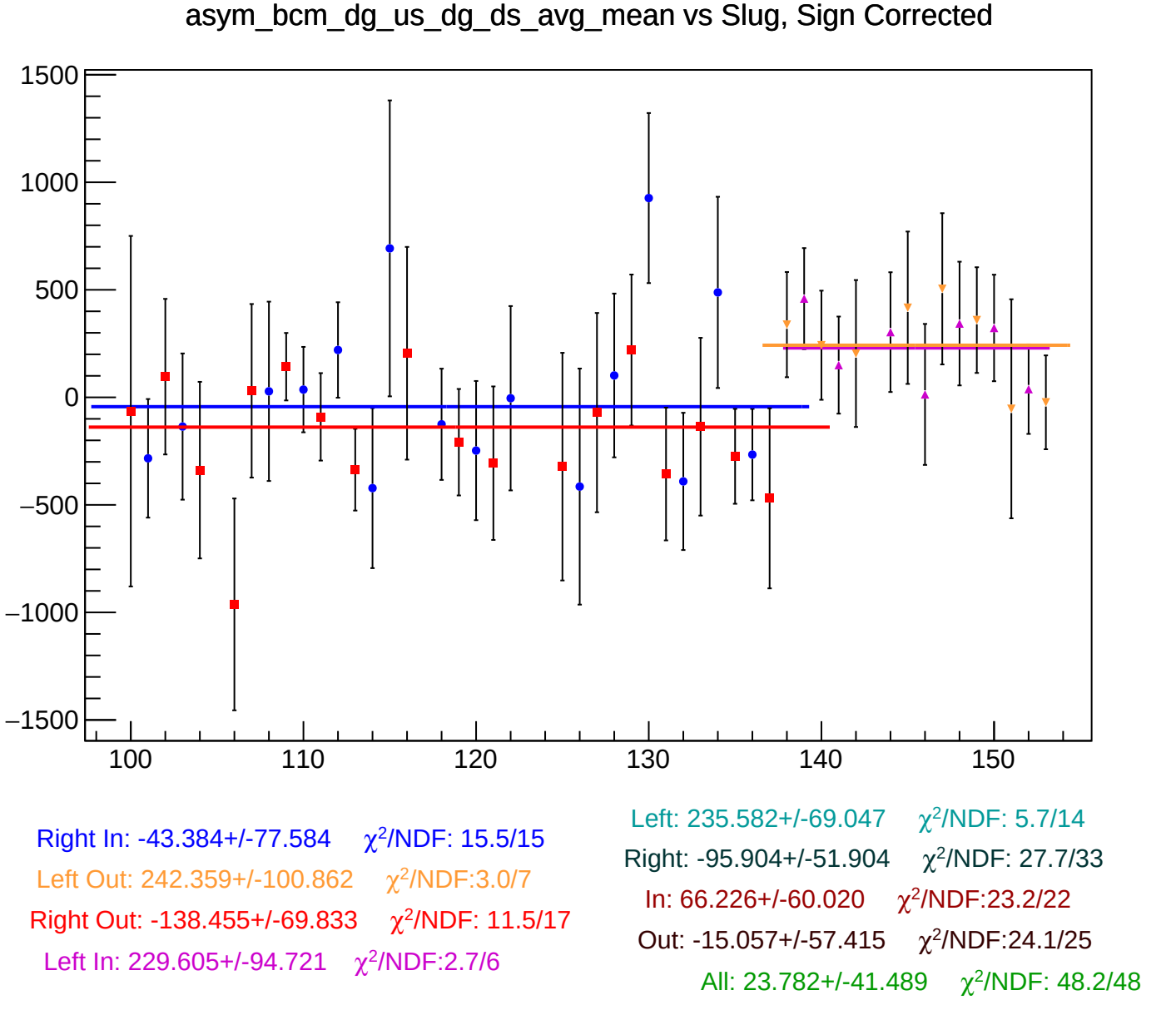
Left: 10.574+/-0.002 χ^2/NDF: 136700.5/15

Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

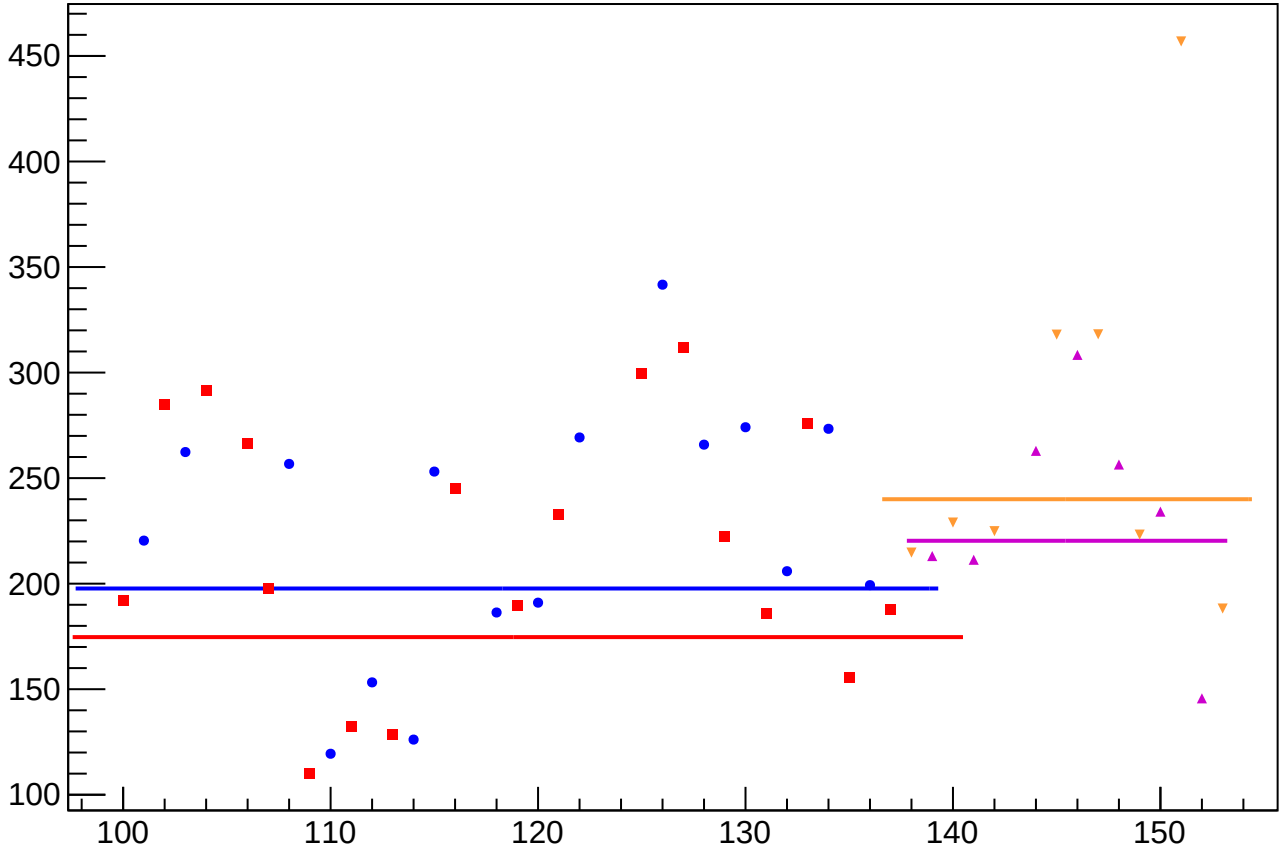
In: 10.492+/-0.002 χ^2/NDF:229575.5/22

Out: 10.583+/-0.002 χ^2/NDF:251134.7/27

All: 10.539+/-0.001 χ^2/NDF: 481738.1/50


asym_bcm_dg_us_dg_ds_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
Right In: -43.384+/-77.584 χ²/NDF: 15.5/15
Left Out: 242.359+/-100.862 χ²/NDF:3.0/7
Right Out: -138.455+/-69.833 χ²/NDF: 11.5/17
Left In: 229.605+/-94.721 χ²/NDF:2.7/6
Left: 235.582+/-69.047 χ²/NDF: 5.7/14
Right: -95.904+/-51.904 χ²/NDF: 27.7/33
In: 66.226+/-60.020 χ²/NDF:23.2/22
Out: -15.057+/-57.415 χ²/NDF:24.1/25
All: 23.782+/-41.489 χ²/NDF: 48.2/48

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: 240.003+/-0.071 χ^2/NDF:709405.3/7

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

Left In: 220.316+/-0.067 χ^2/NDF:491501.9/6

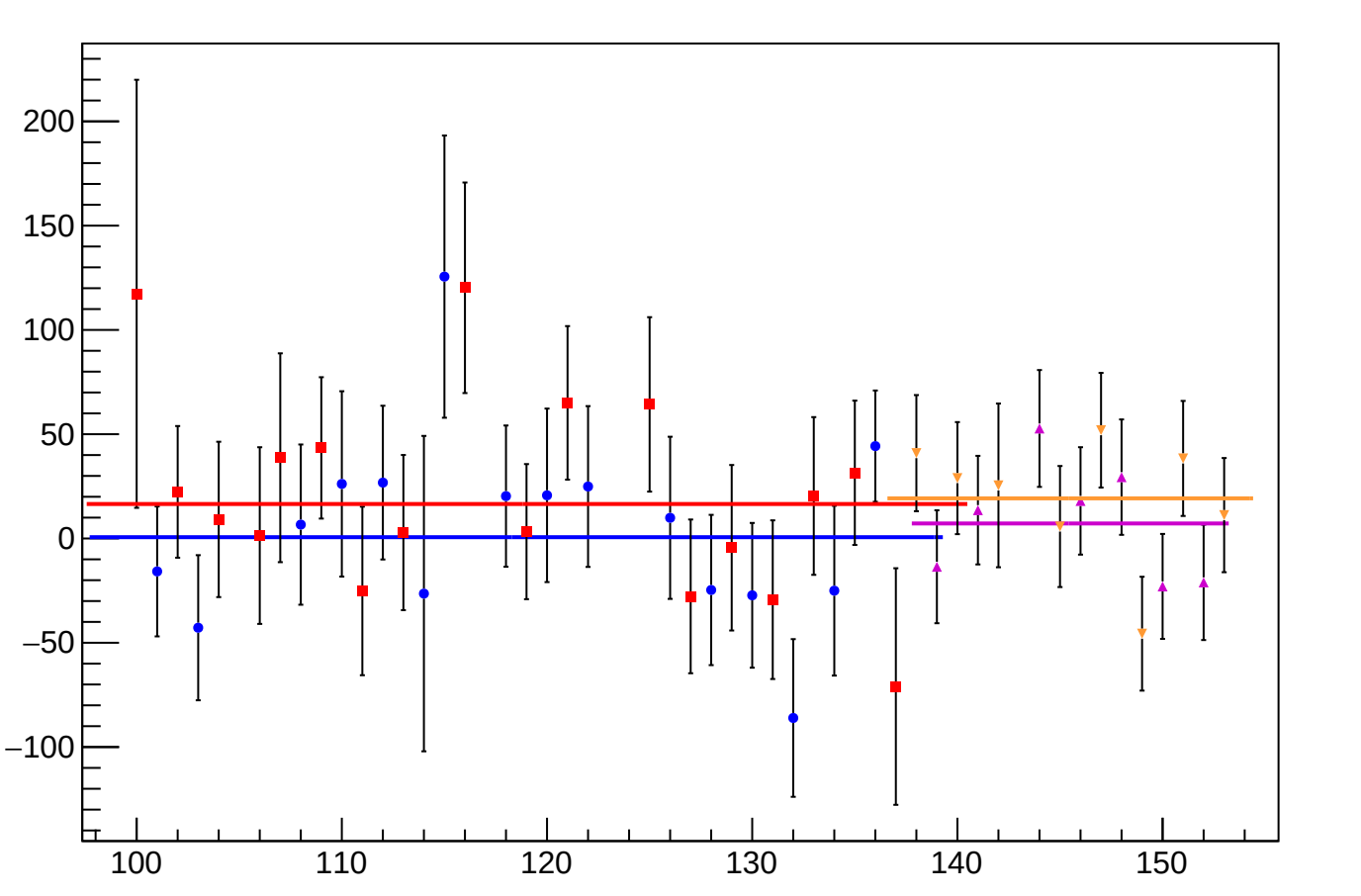
Left: 229.542+/-0.049 χ^2/NDF: 1241396.7/14

Right: 184.986+/-0.037 χ^2/NDF: 2632415.9/33

In: 206.785+/-0.042 χ^2/NDF:1560019.1/22

Out: 195.846+/-0.041 χ^2/NDF:2811244.2/25

All: 201.073+/-0.029 χ^2/NDF: 4405951.3/48



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 19.243+/-10.088 χ^2/NDF:8.6/7

Right Out: 16.534+/-9.307 χ^2/NDF: 16.4/17

Left In: 7.199+/-10.094 χ^2/NDF:6.6/6

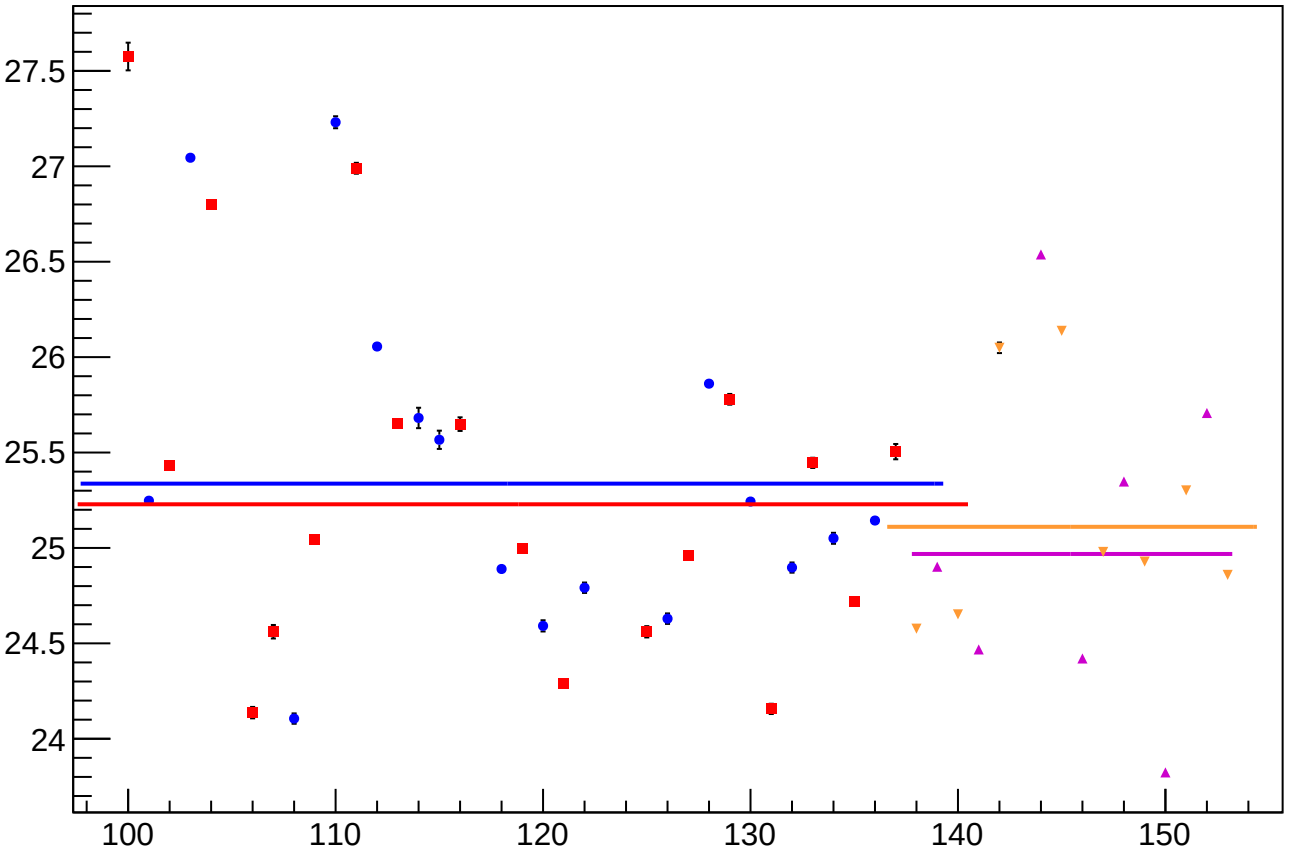
Left: 13.225+/-7.136 χ^2/NDF: 15.9/14

Right: 8.674+/-6.621 χ^2/NDF: 34.6/33

In: 3.683+/-6.888 χ^2/NDF:23.6/22

Out: 17.780+/-6.840 χ^2/NDF:25.0/25

All: 10.779+/-4.854 χ^2/NDF: 50.7/48



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.111+/-0.007 χ^2/NDF:5365.9/7

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

Left In: 24.968+/-0.007 χ^2/NDF:13879.3/6

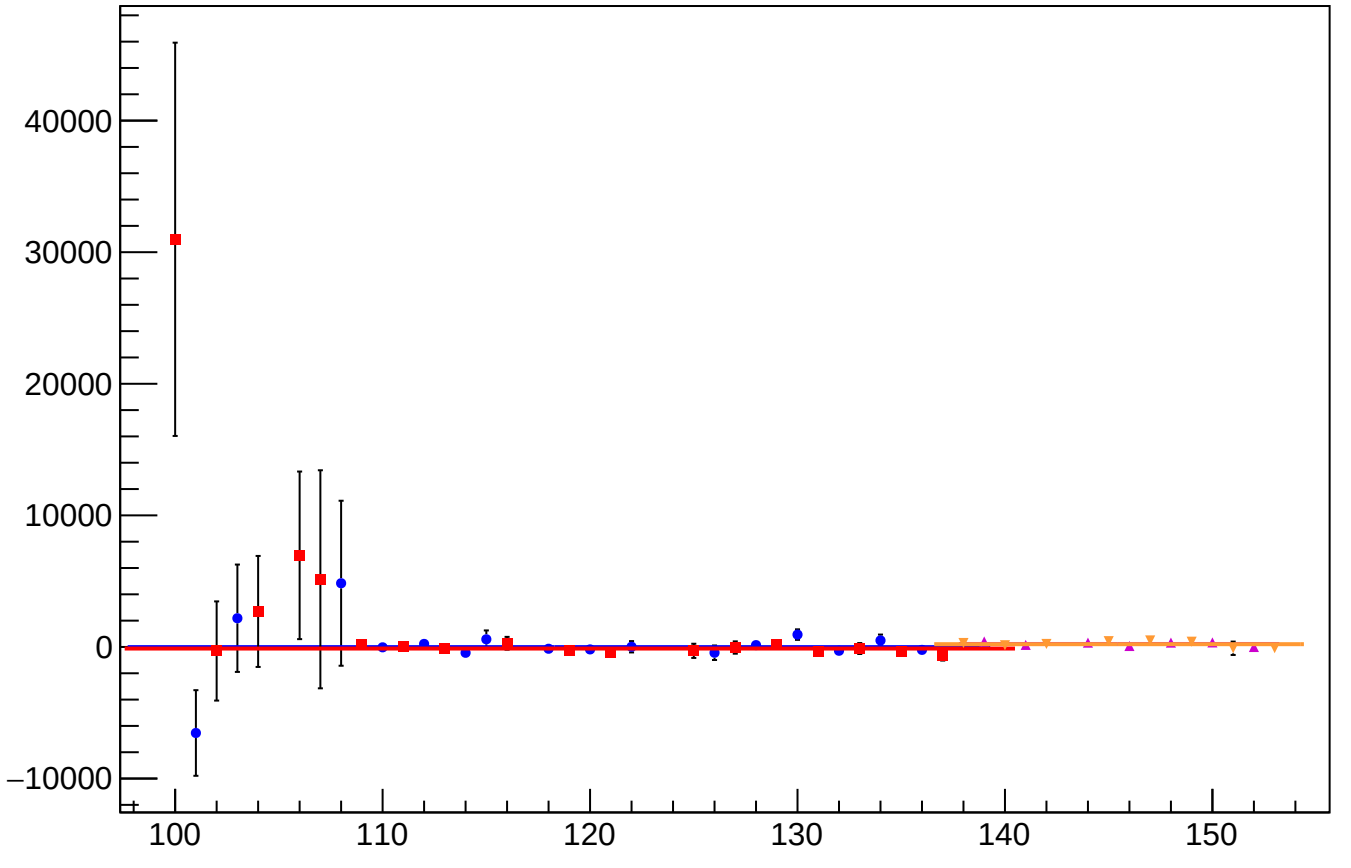
Left: 25.040+/-0.005 χ^2/NDF: 19444.1/14

Right: 25.282+/-0.005 χ^2/NDF: 29624.6/33

In: 25.165+/-0.005 χ^2/NDF:29619.5/22

Out: 25.175+/-0.005 χ^2/NDF:20689.9/25

All: 25.170+/-0.003 χ^2/NDF: 50311.2/48



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 210.996+/-101.972 χ^2/NDF:4.0/7

Right Out: -119.984+/-78.247 χ^2/NDF: 14.4/17

Left In: 226.123+/-95.530 χ^2/NDF:2.6/6

Left: 219.052+/-69.716 χ^2/NDF: 6.7/14

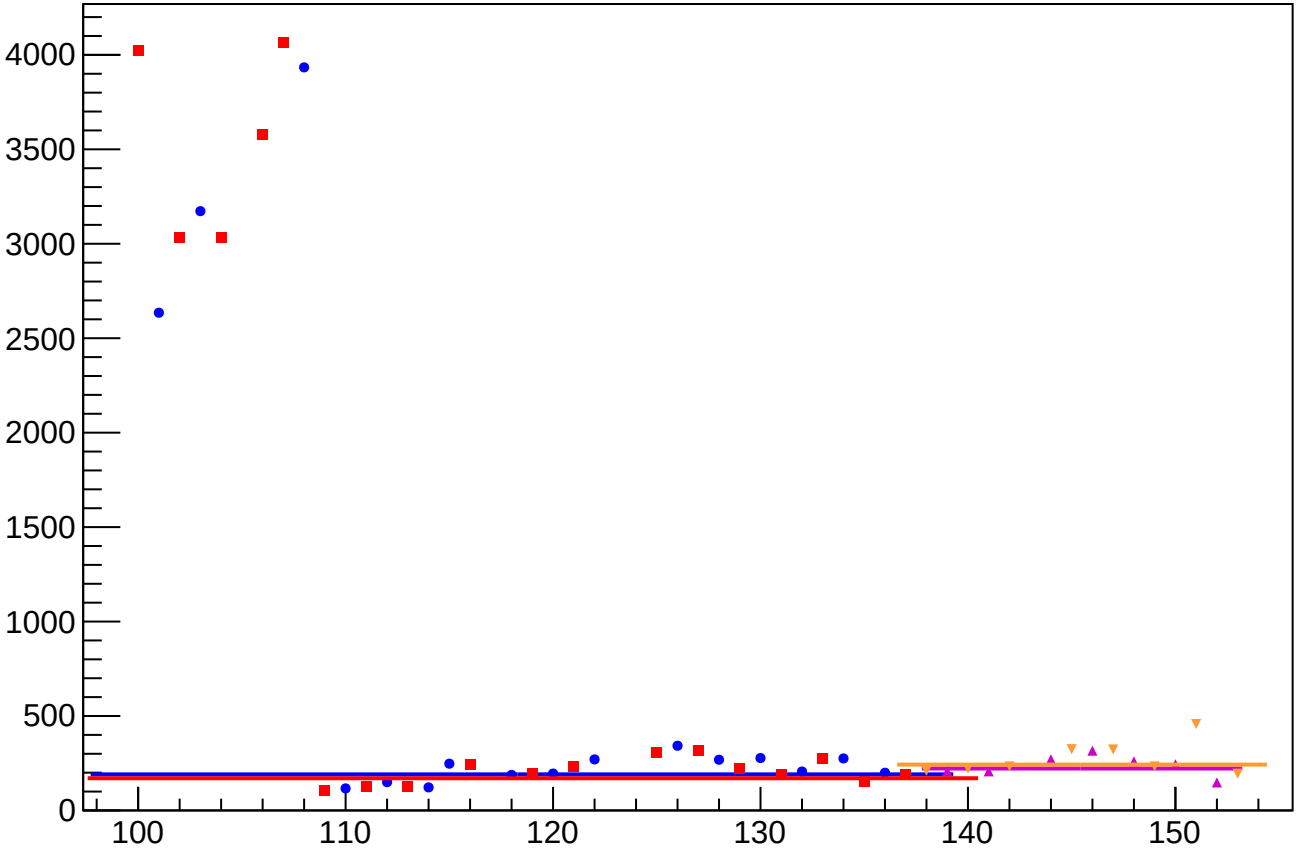
Right: -70.641+/-57.398 χ^2/NDF: 33.6/33

In: 91.812+/-63.273 χ^2/NDF:24.5/22

Out: 2.676+/-62.077 χ^2/NDF:25.0/25

All: 46.394+/-44.312 χ^2/NDF: 50.5/48

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 242.777+/-0.072 χ^2/NDF:704654.7/7

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

Left In: 221.971+/-0.068 χ^2/NDF:524890.2/6

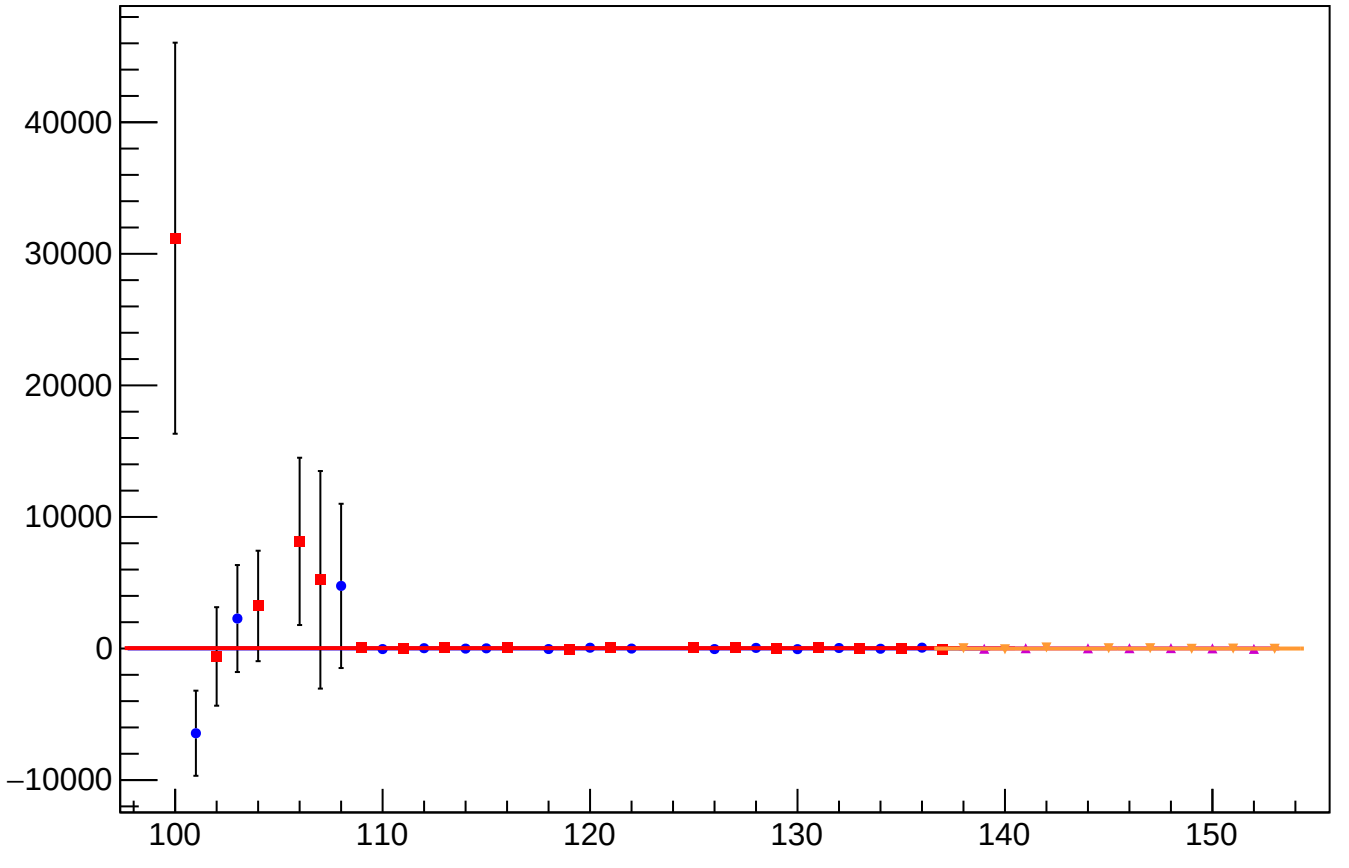
Left: 231.696+/-0.049 χ^2/NDF: 1273891.1/14

Right: 179.998+/-0.041 χ^2/NDF: 8152654.9/33

In: 204.626+/-0.045 χ^2/NDF:4476303.4/22

Out: 197.282+/-0.044 χ^2/NDF:5591998.1/25

All: 200.884+/-0.031 χ^2/NDF: 10082030.5/48



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -2.210+/-11.822 χ^2/NDF:8.6/7

Right Out: 30.740+/-12.084 χ^2/NDF: 19.9/17

Left In: 10.524+/-12.034 χ^2/NDF:2.7/6

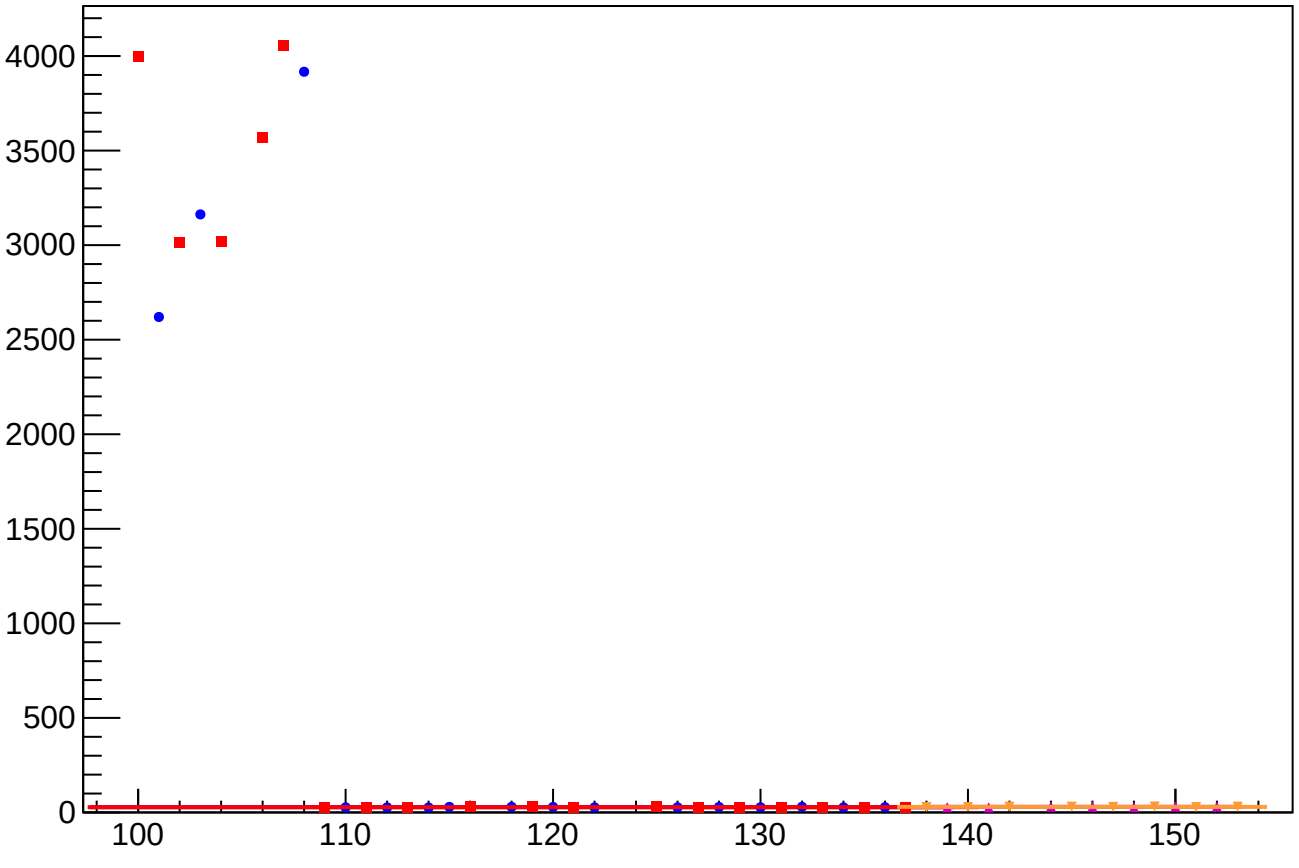
Left: 4.044+/-8.433 χ^2/NDF: 11.9/14

Right: 18.290+/-8.429 χ^2/NDF: 40.2/33

In: 8.461+/-8.412 χ^2/NDF:21.1/22

Out: 13.904+/-8.451 χ^2/NDF:32.3/25

All: 11.170+/-5.962 χ^2/NDF: 53.6/48



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 29.368+/-0.008 χ^2/NDF:19368.8/7

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

Left In: 29.679+/-0.009 χ^2/NDF:40158.3/6

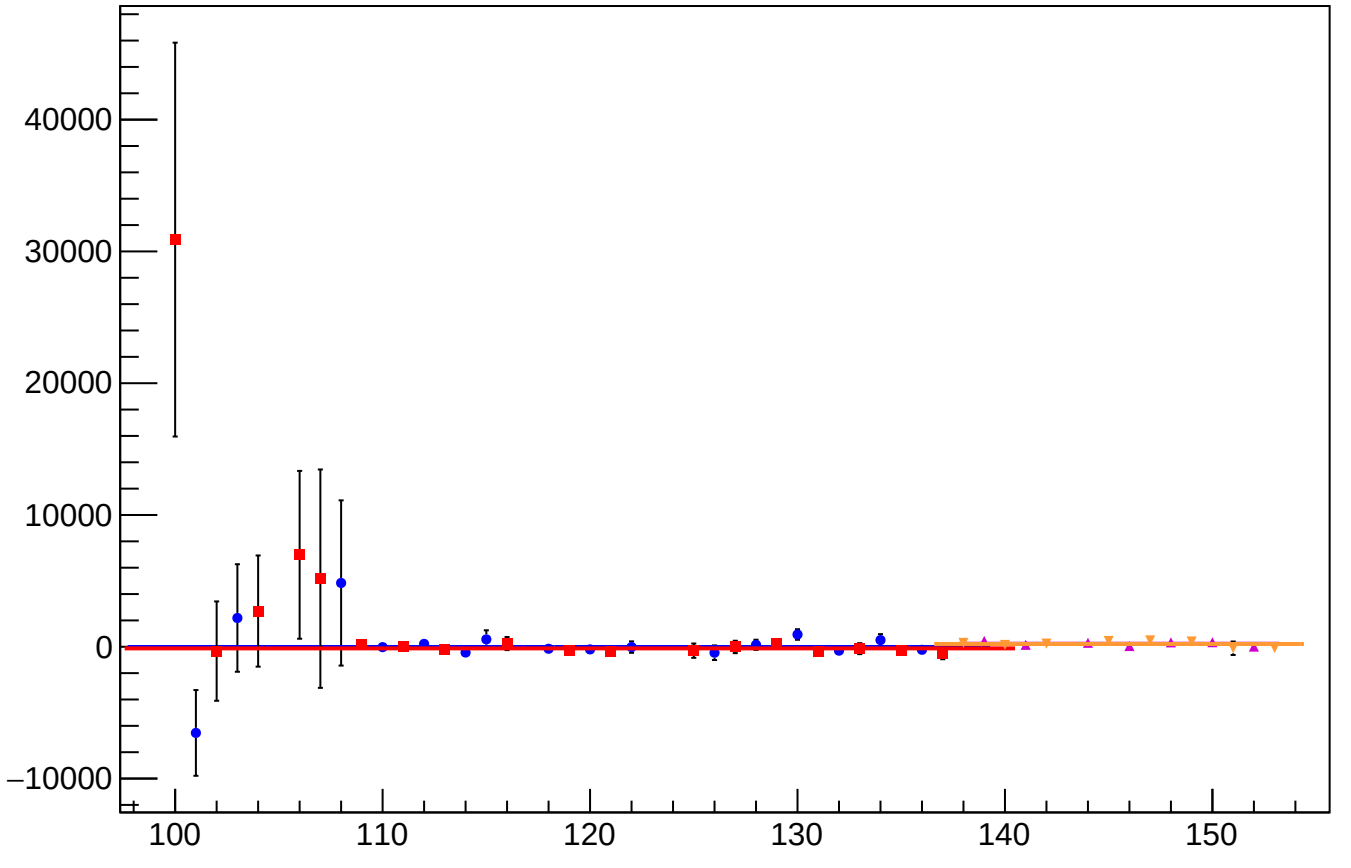
Left: 29.521+/-0.006 χ^2/NDF: 60205.3/14

Right: 27.802+/-0.006 χ^2/NDF: 6824309.2/33

In: 28.731+/-0.006 χ^2/NDF:3330322.4/22

Out: 28.591+/-0.006 χ^2/NDF:3595455.4/25

All: 28.661+/-0.004 χ^2/NDF: 6926054.3/48



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 212.133+/-102.526 χ^2/NDF:3.9/7

Right Out: -121.544+/-78.844 χ^2/NDF: 13.2/17

Left In: 229.828+/-96.071 χ^2/NDF:2.7/6

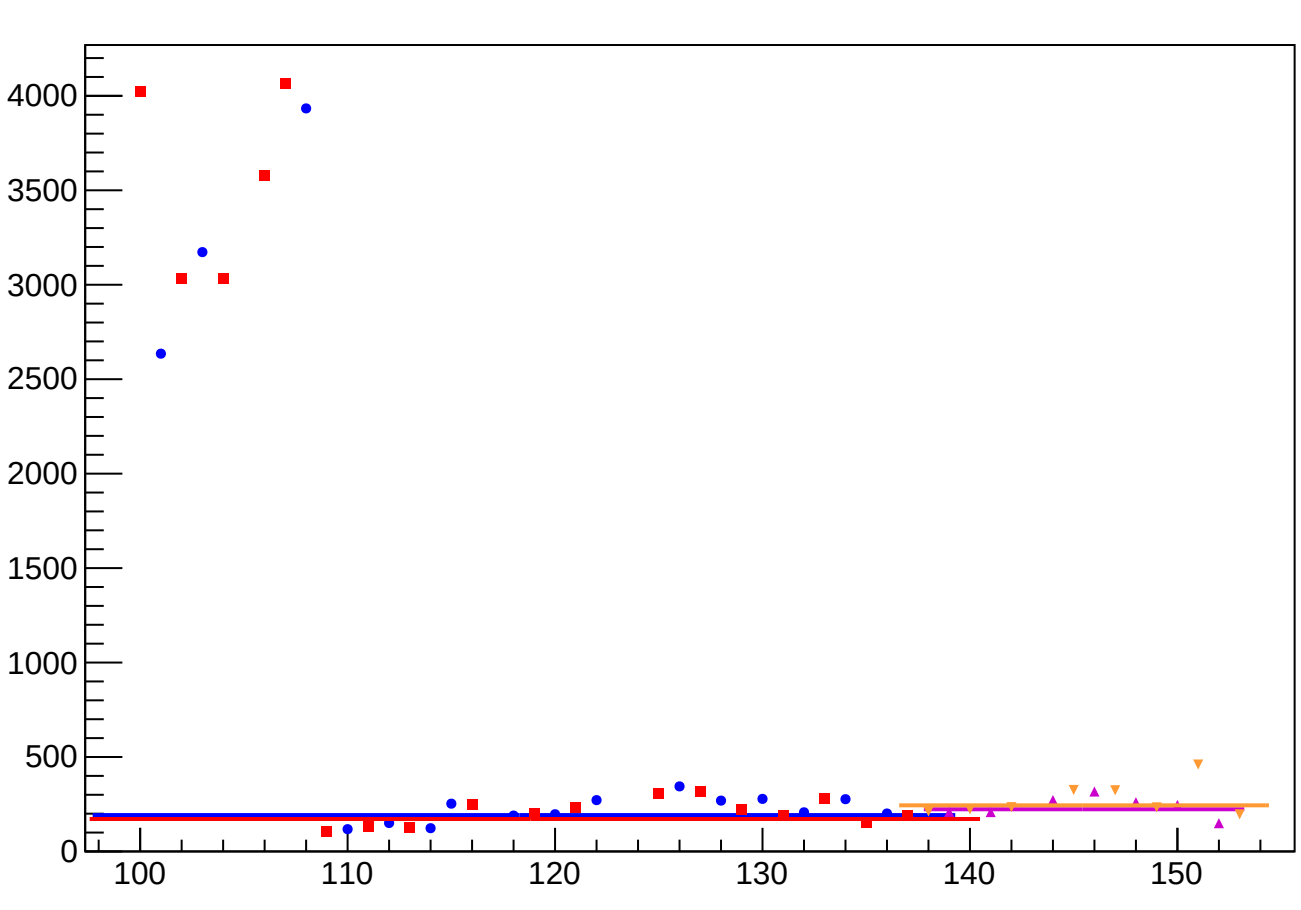
Left: 221.555+/-70.103 χ^2/NDF: 6.7/14

Right: -74.398+/-57.825 χ^2/NDF: 32.2/33

In: 90.056+/-63.686 χ^2/NDF:24.7/22

Out: 2.455+/-62.500 χ^2/NDF:23.8/25

All: 45.432+/-44.608 χ^2/NDF: 49.5/48



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 244.171+/-0.072 χ^2/NDF:699622.4/7

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

Left In: 223.313+/-0.068 χ^2/NDF:518088.5/6

Left: 233.065+/-0.050 χ^2/NDF: 1261787.3/14

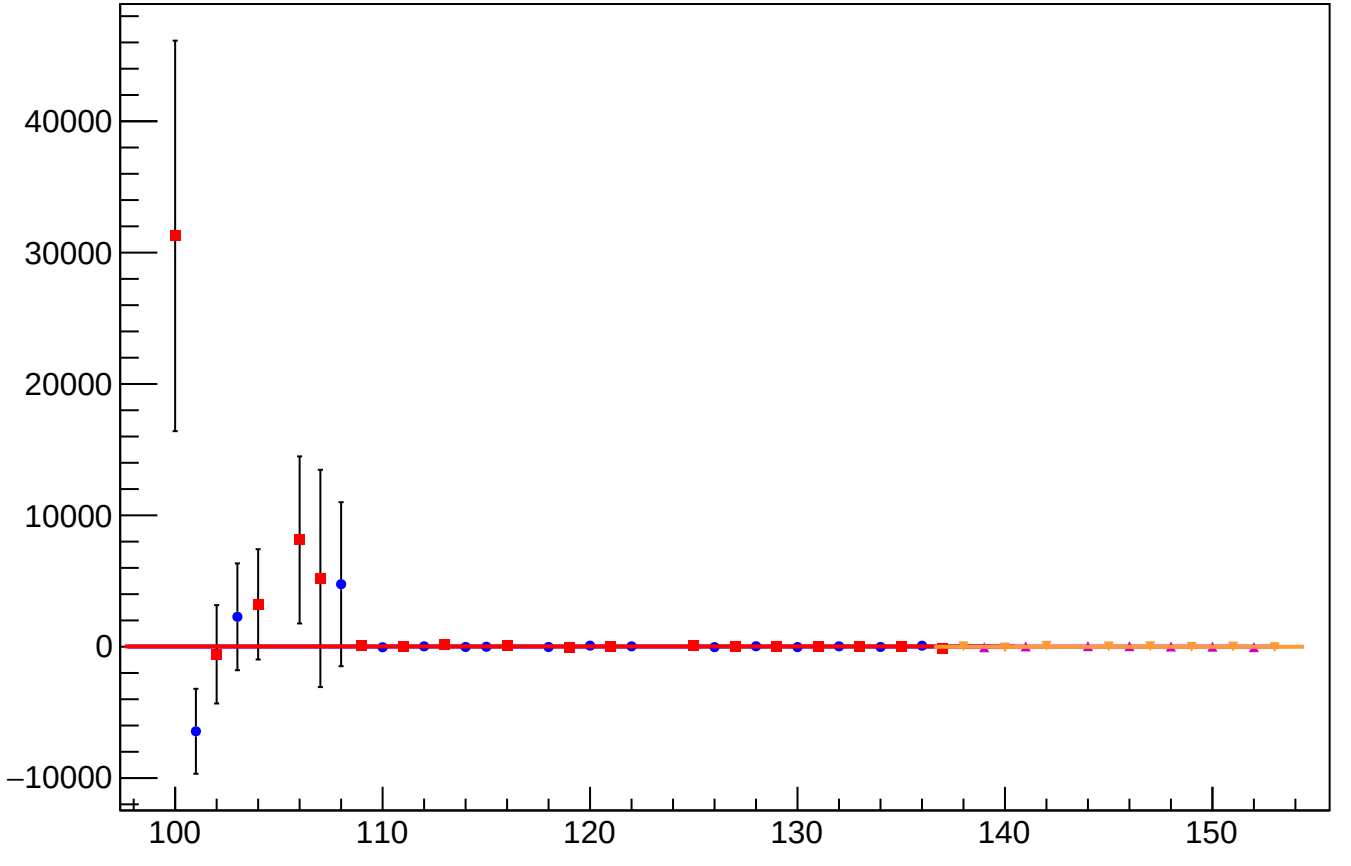
Right: 181.447+/-0.041 χ^2/NDF: 8134058.4/33

In: 206.074+/-0.045 χ^2/NDF:4455753.9/22

Out: 198.756+/-0.044 χ^2/NDF:5571919.8/25

All: 202.346+/-0.032 χ^2/NDF: 10041126.7/48

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: -5.112+/-12.787 χ^2/NDF:8.4/7

Right Out: 21.906+/-13.382 χ^2/NDF: 28.4/17

Left In: 11.151+/-13.035 χ^2/NDF:5.8/6

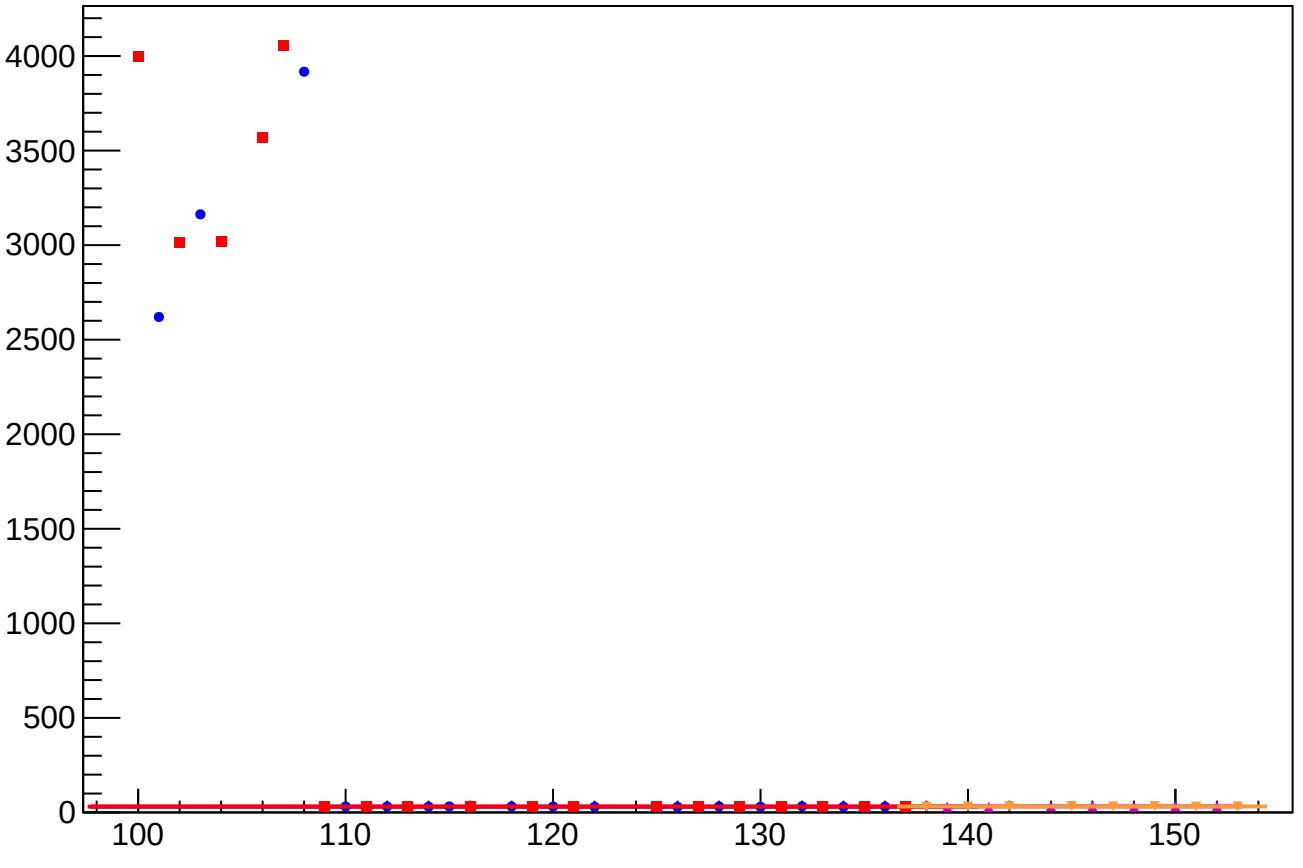
Left: 2.863+/-9.128 χ^2/NDF: 15.1/14

Right: 17.710+/-9.347 χ^2/NDF: 44.0/33

In: 12.429+/-9.227 χ^2/NDF:21.3/22

Out: 7.783+/-9.245 χ^2/NDF:38.9/25

All: 10.111+/-6.531 χ^2/NDF: 60.4/48



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.781+/-0.009 χ^2/NDF:15072.2/7

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

Left In: 32.158+/-0.009 χ^2/NDF:28224.9/6

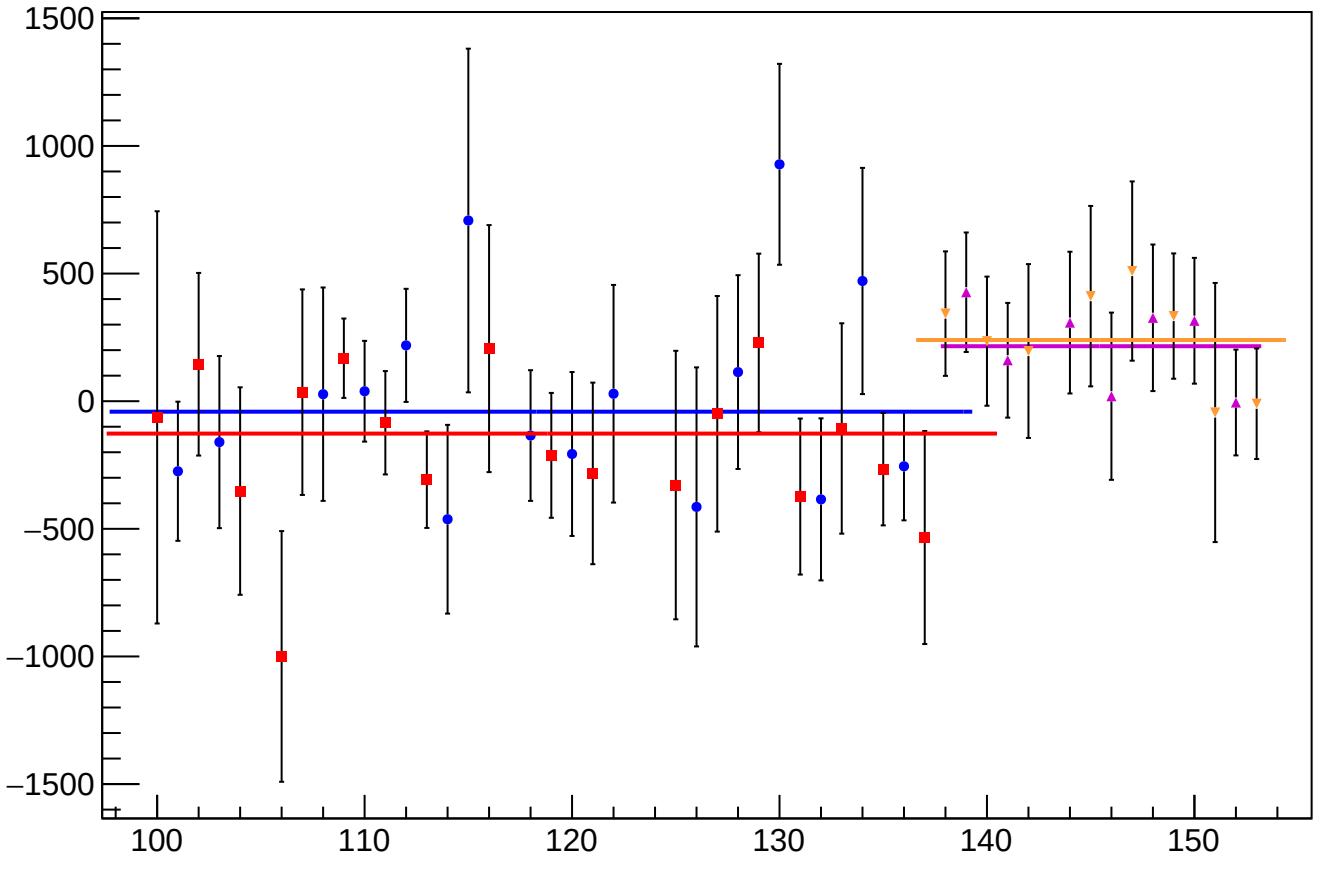
Left: 31.966+/-0.006 χ^2/NDF: 44148.4/14

Right: 30.868+/-0.007 χ^2/NDF: 6788655.9/33

In: 31.544+/-0.007 χ^2/NDF:3289706.7/22

Out: 31.315+/-0.007 χ^2/NDF:3556601.5/25

All: 31.430+/-0.005 χ^2/NDF: 6846926.2/48



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 239.646+/-100.520 χ^2/NDF:2.8/7

Right Out: -126.896+/-69.382 χ^2/NDF: 12.8/17

Left In: 215.395+/-94.396 χ^2/NDF:2.8/6

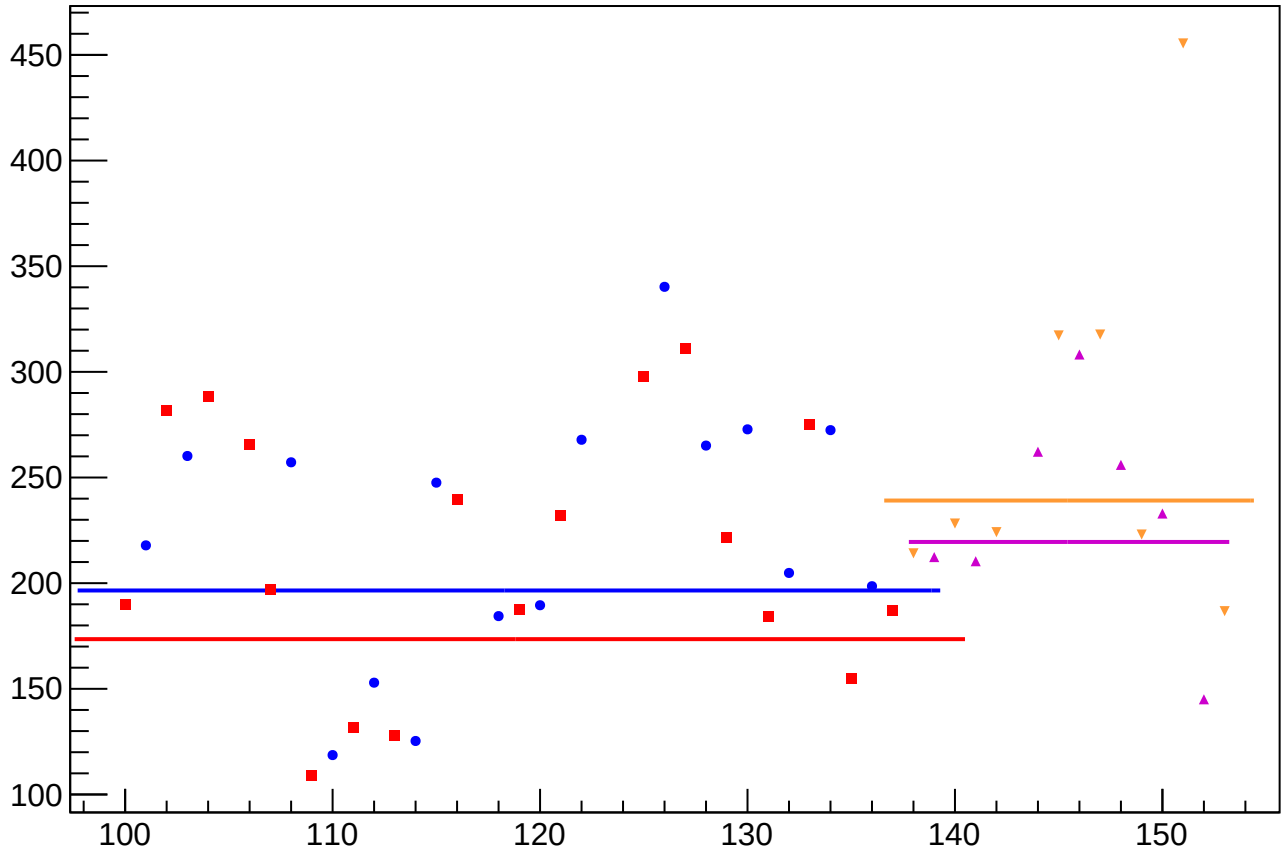
Left: 226.759+/-68.811 χ^2/NDF: 5.6/14

Right: -88.533+/-51.586 χ^2/NDF: 29.1/33

In: 61.592+/-59.732 χ^2/NDF:22.8/22

Out: -8.617+/-57.101 χ^2/NDF:24.6/25

All: 24.908+/-41.275 χ^2/NDF: 48.1/48



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 239.110+/-0.071 χ^2/NDF:715058.8/7

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

Left In: 219.507+/-0.067 χ^2/NDF:495561.7/6

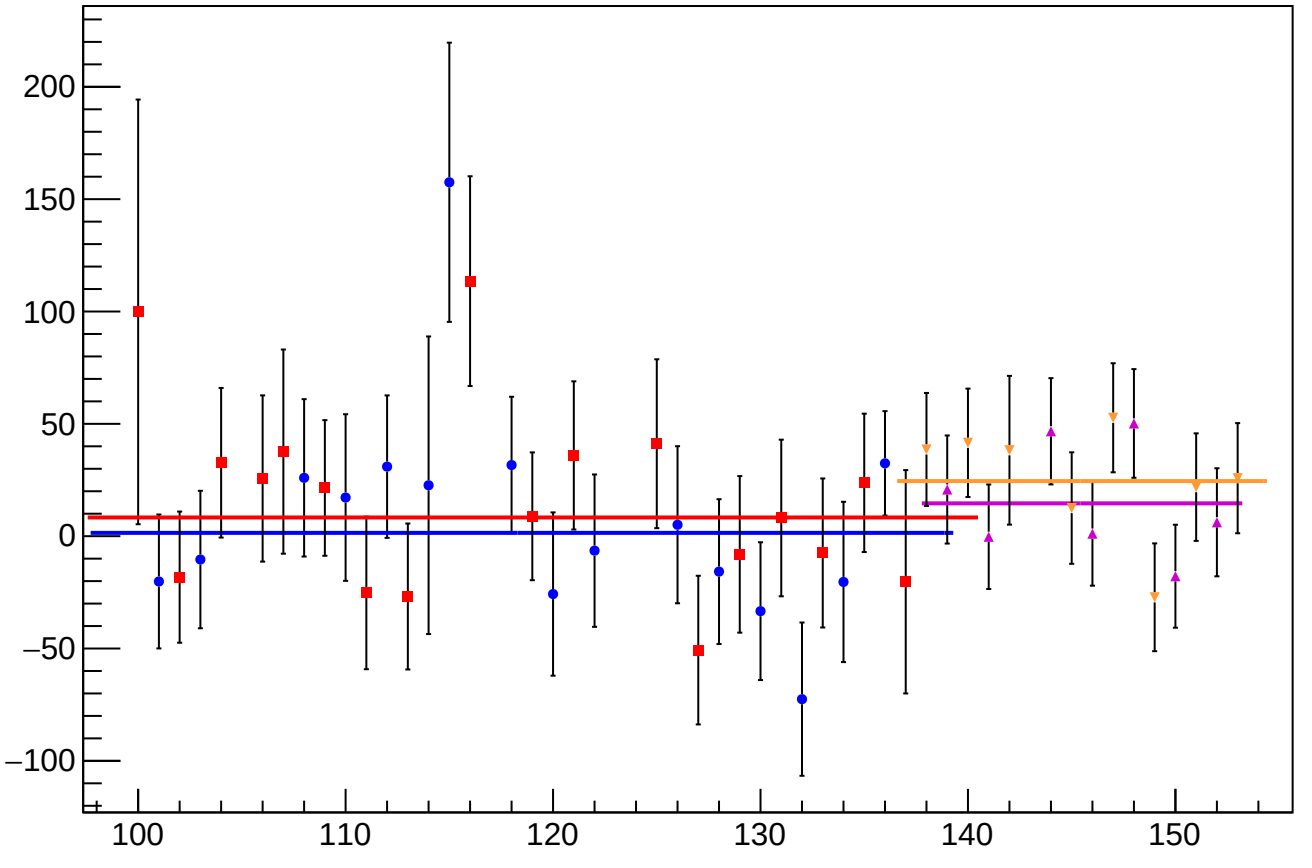
Left: 228.693+/-0.049 χ^2/NDF: 1251037.0/14

Right: 183.810+/-0.036 χ^2/NDF: 2632060.1/33

In: 205.737+/-0.042 χ^2/NDF:1567308.4/22

Out: 194.678+/-0.040 χ^2/NDF:2824715.5/25

All: 199.959+/-0.029 χ^2/NDF: 4427849.9/48



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 24.519+/-8.881 χ^2/NDF:7.2/7

Right Out: 8.329+/-8.286 χ^2/NDF: 16.0/17

Left In: 14.607+/-8.919 χ^2/NDF:6.9/6

Left: 19.584+/-6.293 χ^2/NDF: 14.8/14

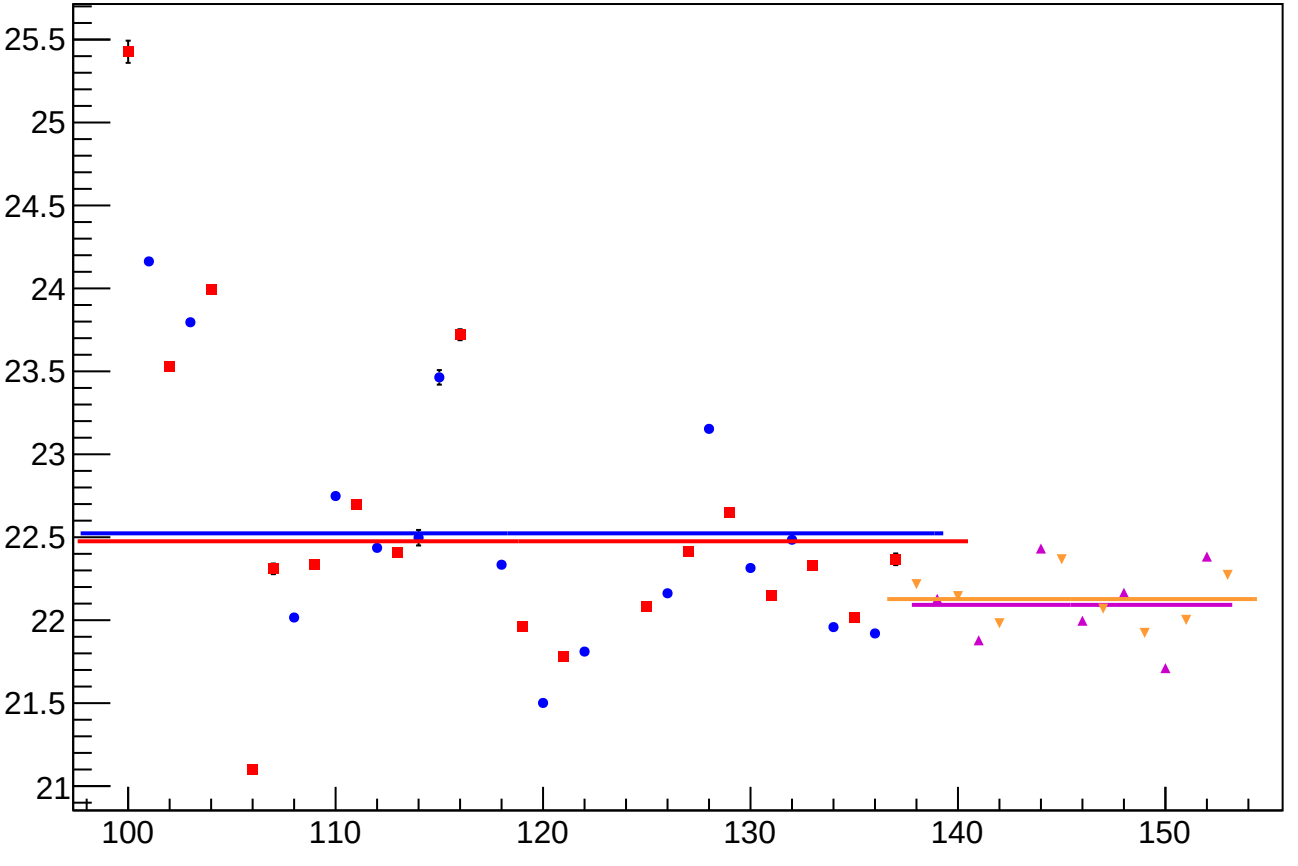
Right: 4.937+/-5.889 χ^2/NDF: 35.0/33

In: 7.625+/-6.104 χ^2/NDF:26.8/22

Out: 15.863+/-6.058 χ^2/NDF:25.0/25

All: 11.775+/-4.300 χ^2/NDF: 52.7/48

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: 22.127+/-0.006 χ^2/NDF:533.3/7

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

Left In: 22.092+/-0.006 χ^2/NDF:1483.9/6

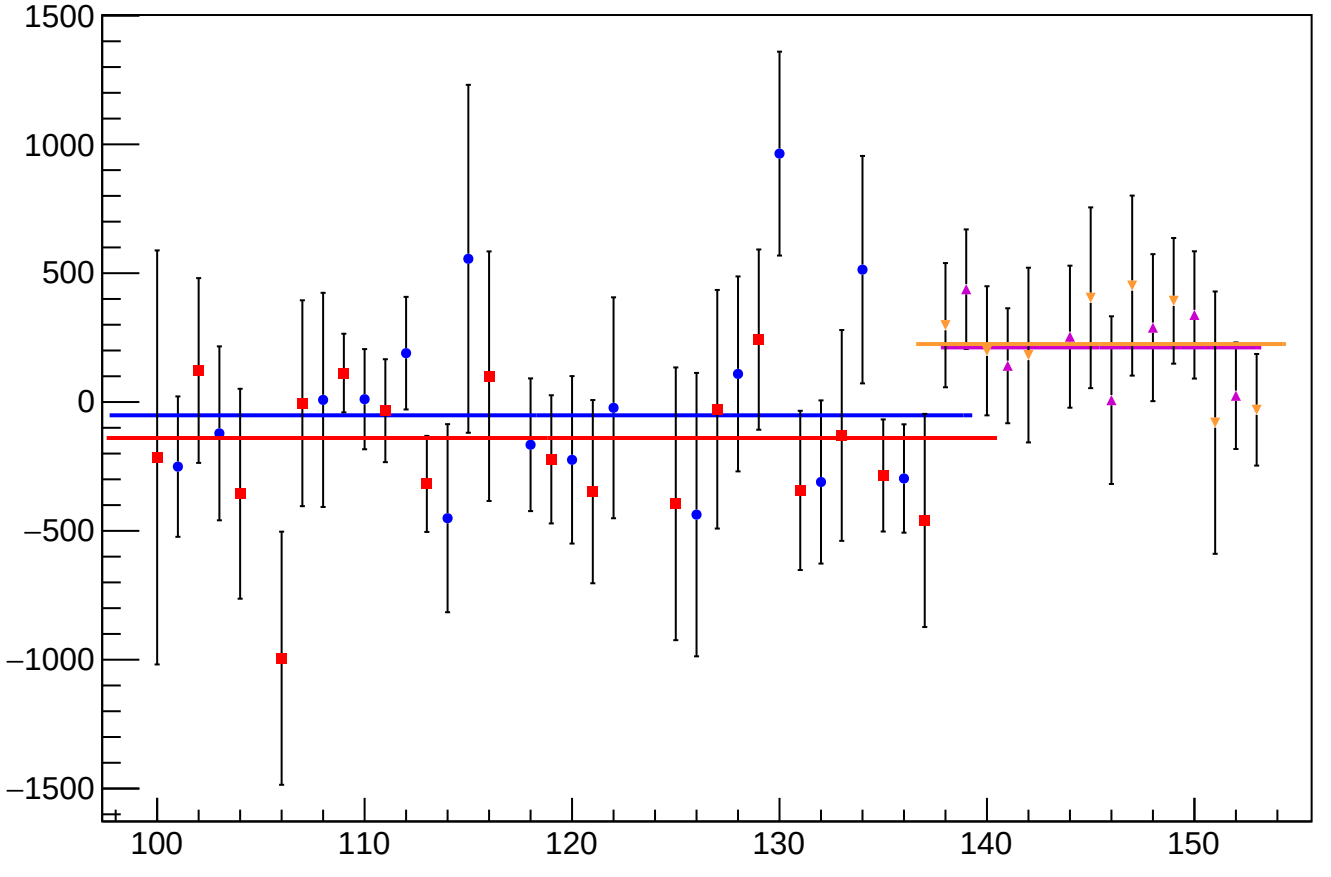
Left: 22.110+/-0.004 χ^2/NDF: 2032.6/14

Right: 22.499+/-0.004 χ^2/NDF: 31517.5/33

In: 22.322+/-0.004 χ^2/NDF:19917.4/22

Out: 22.314+/-0.004 χ^2/NDF:17715.2/25

All: 22.318+/-0.003 χ^2/NDF: 37634.4/48



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 224.986+/-99.925 χ^2/NDF:3.0/7

Right Out: -139.546+/-68.888 χ^2/NDF: 11.6/17

Left In: 211.977+/-93.936 χ^2/NDF:2.6/6

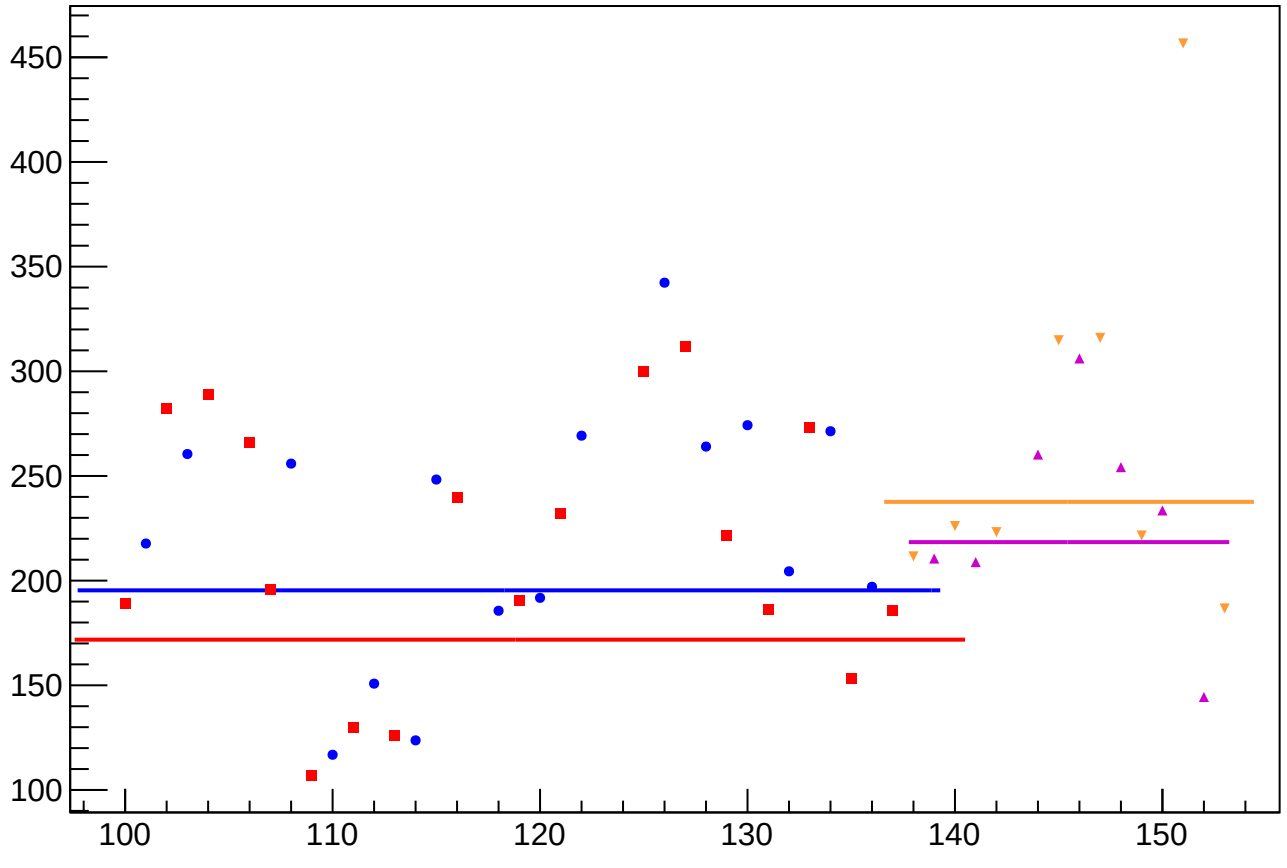
Left: 218.080+/-68.442 χ^2/NDF: 5.7/14

Right: -100.285+/-51.280 χ^2/NDF: 27.6/33

In: 54.060+/-59.457 χ^2/NDF:22.7/22

Out: -22.109+/-56.717 χ^2/NDF:23.6/25

All: 14.180+/-41.039 χ^2/NDF: 47.1/48



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 237.631+/-0.071 χ^2/NDF:718106.0/7

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

Left In: 218.402+/-0.066 χ^2/NDF:492463.7/6

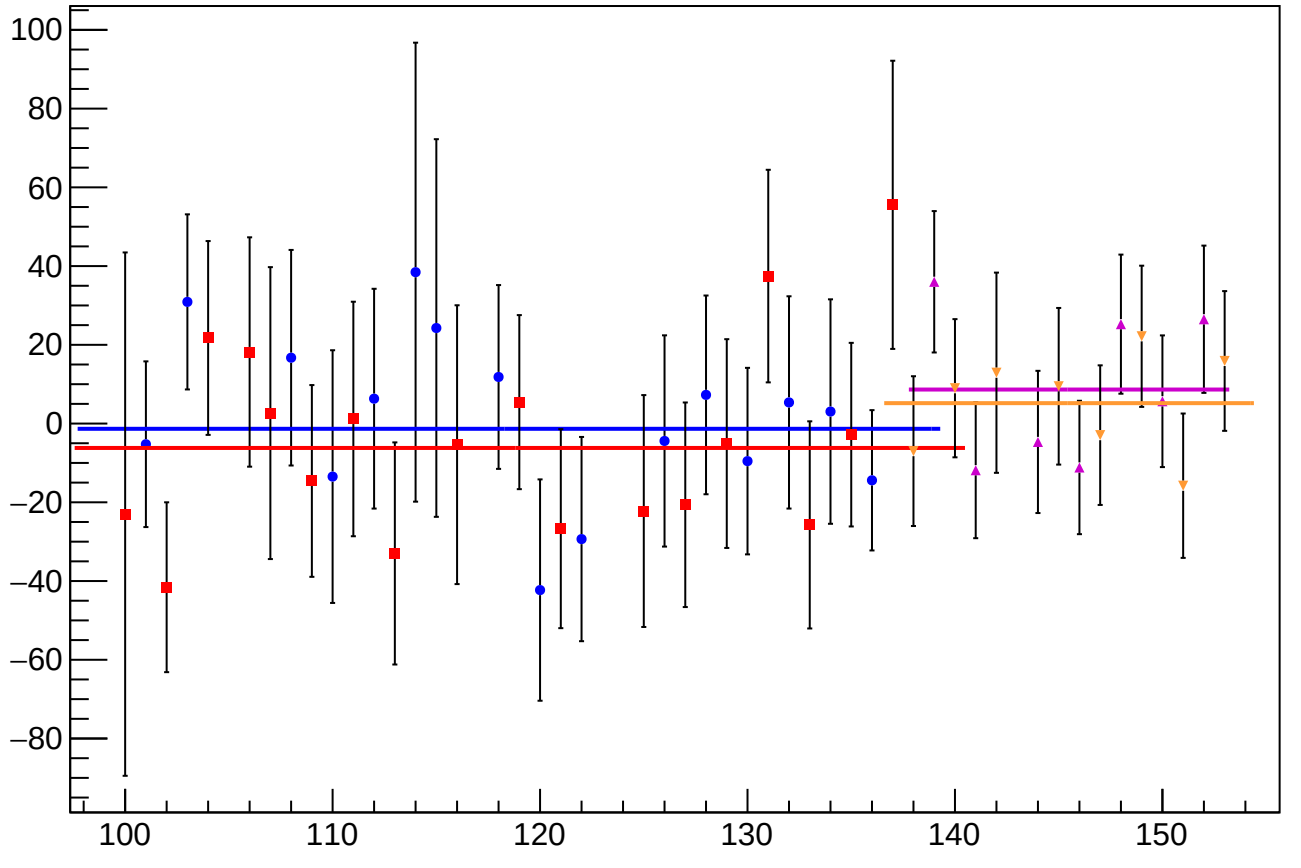
Left: 227.423+/-0.048 χ^2/NDF: 1249885.0/14

Right: 182.308+/-0.036 χ^2/NDF: 2746362.8/33

In: 204.592+/-0.042 χ^2/NDF:1606017.8/22

Out: 193.011+/-0.040 χ^2/NDF:2907066.2/25

All: 198.528+/-0.029 χ^2/NDF: 4552809.1/48



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 5.185+/-6.663 χ^2/NDF:3.4/7

Right Out: -6.195+/-6.473 χ^2/NDF: 13.5/17

Left In: 8.643+/-6.646 χ^2/NDF:7.5/6

Left: 6.918+/-4.706 χ^2/NDF: 11.0/14

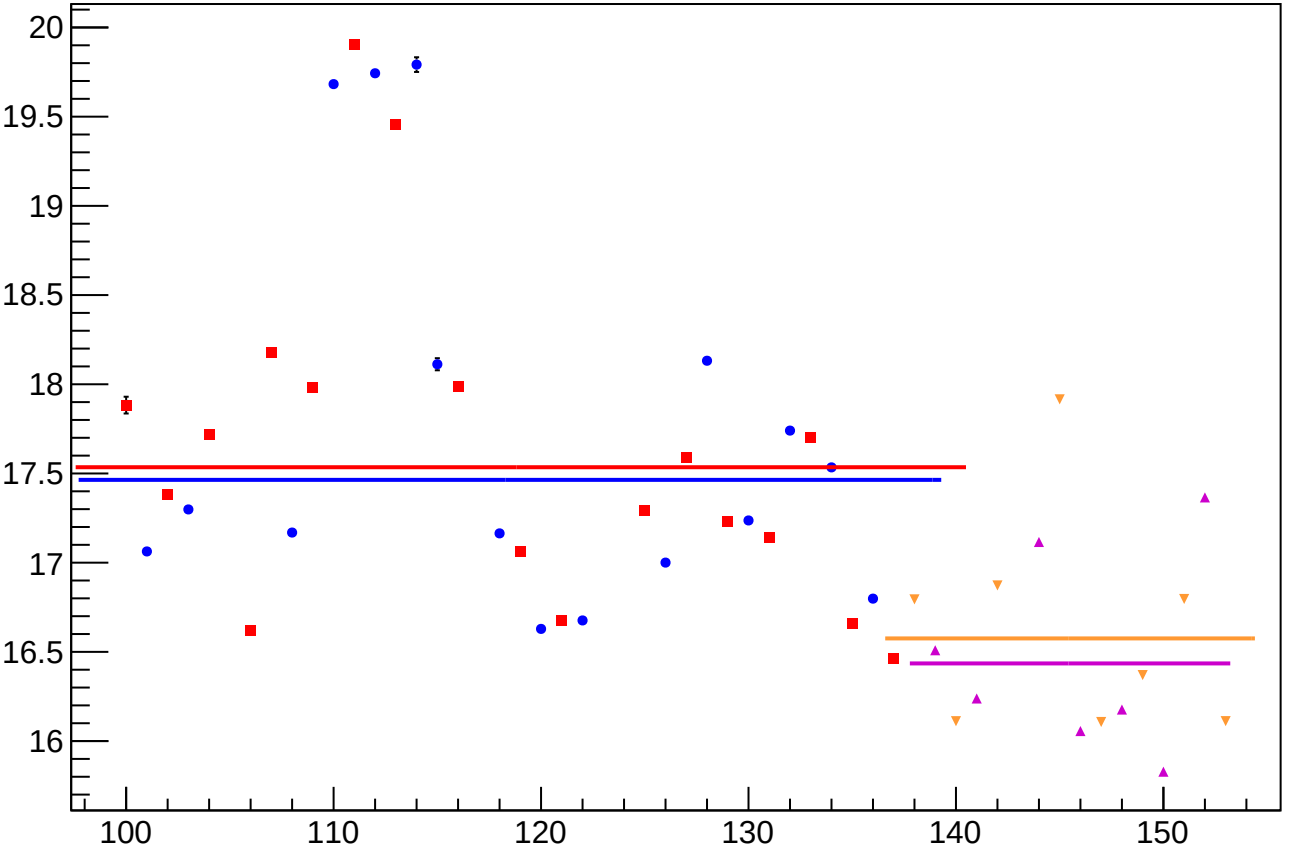
Right: -3.773+/-4.586 χ^2/NDF: 21.8/33

In: 3.544+/-4.646 χ^2/NDF:16.6/22

Out: -0.670+/-4.643 χ^2/NDF:18.3/25

All: 1.435+/-3.284 χ^2/NDF: 35.4/48

asym_bcm_dg_ds_an_us_dd_rms vs Slug, Sign Corrected



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.575+/-0.005 χ^2/NDF:14325.4/7

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

Left In: 16.435+/-0.005 χ^2/NDF:12147.0/6

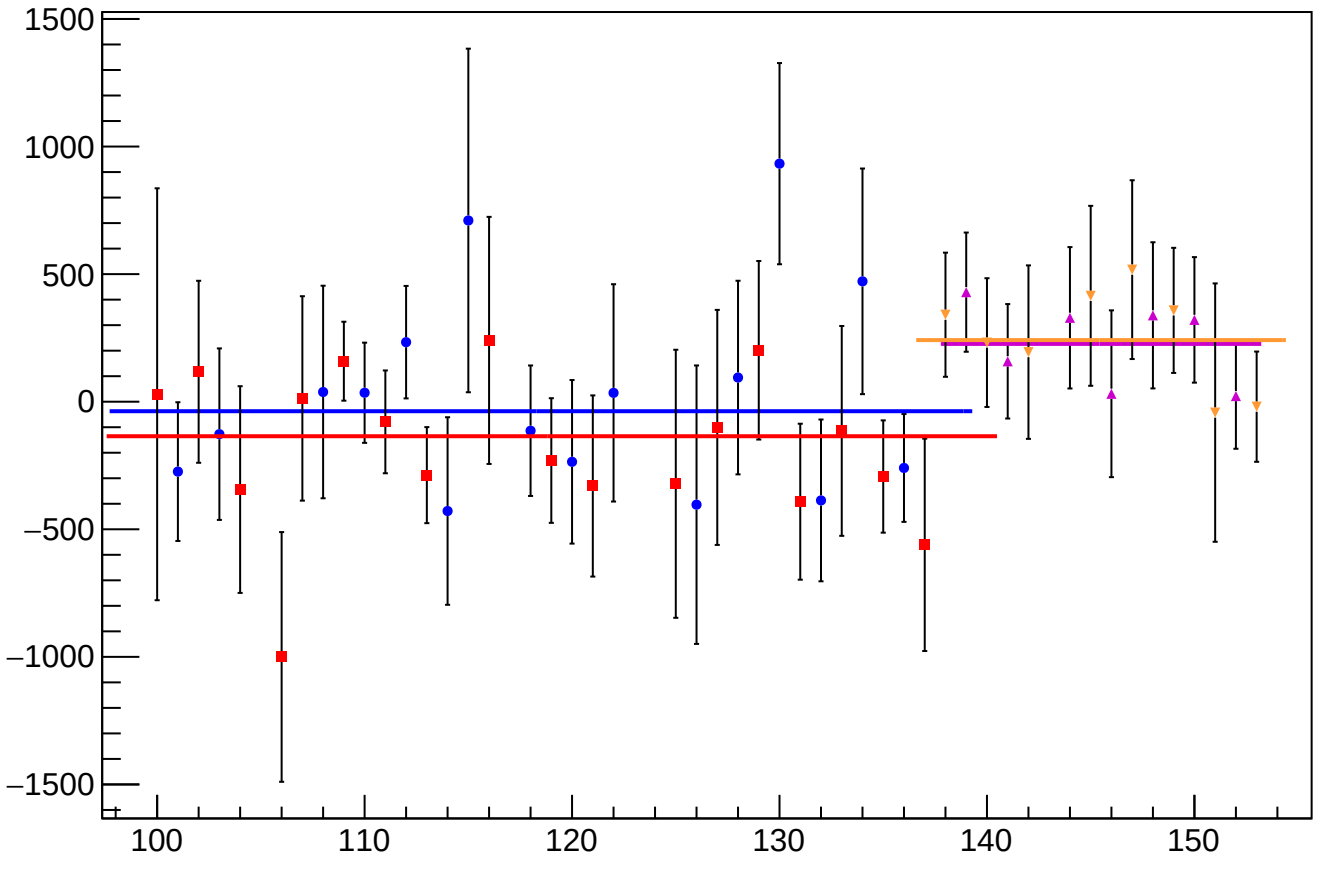
Left: 16.505+/-0.003 χ^2/NDF: 26916.0/14

Right: 17.500+/-0.003 χ^2/NDF: 71244.5/33

In: 16.961+/-0.003 χ^2/NDF:73304.3/22

Out: 17.069+/-0.003 χ^2/NDF:70142.5/25

All: 17.015+/-0.002 χ^2/NDF: 143986.4/48



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 241.481+/-100.290 χ^2/NDF:3.1/7

Right Out: -135.279+/-69.157 χ^2/NDF: 12.8/17

Left In: 226.522+/-94.175 χ^2/NDF:2.6/6

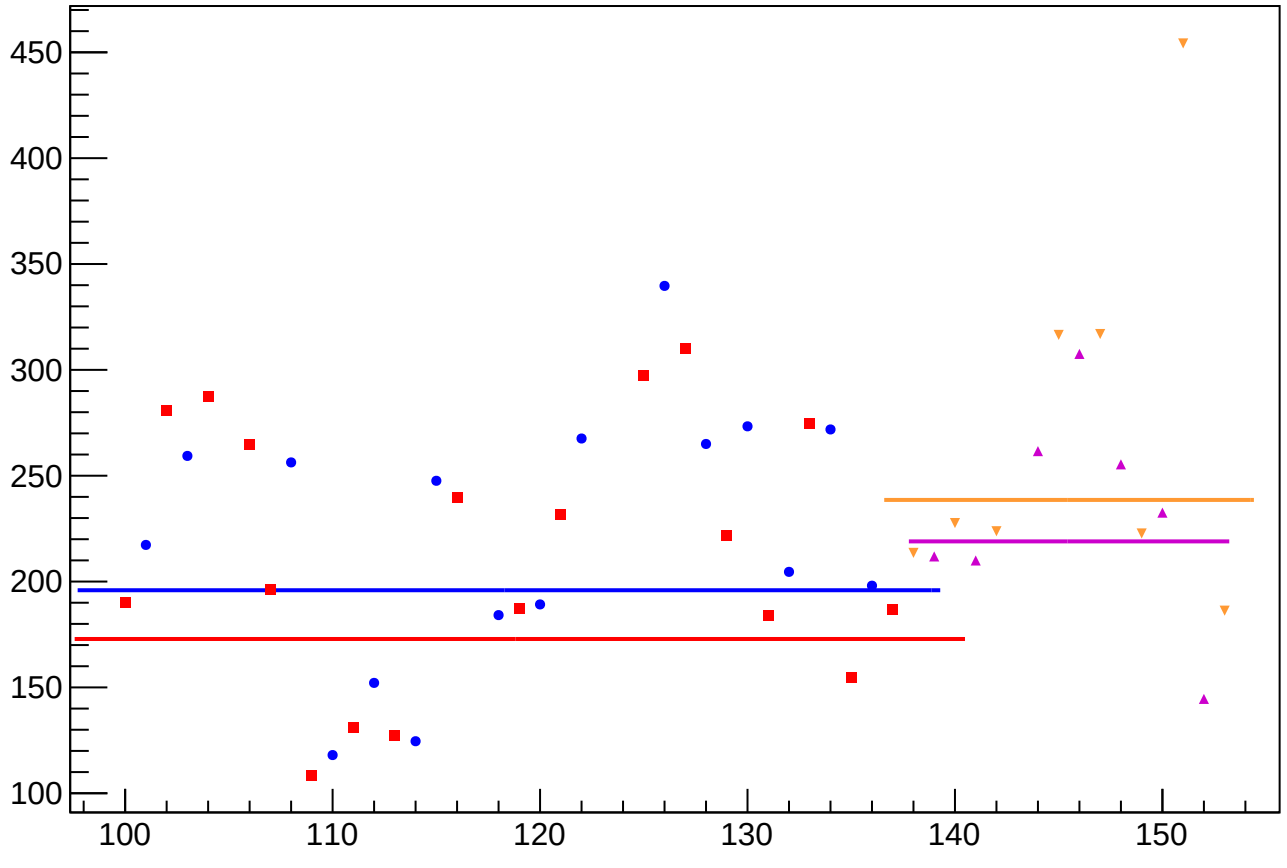
Left: 233.532+/-68.652 χ^2/NDF: 5.7/14

Right: -91.452+/-51.426 χ^2/NDF: 29.3/33

In: 68.300+/-59.571 χ^2/NDF:23.0/22

Out: -13.861+/-56.933 χ^2/NDF:25.4/25

All: 25.360+/-41.159 χ^2/NDF: 49.4/48



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 238.563+/-0.071 χ^2/NDF:714947.8/7

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

Left In: 218.974+/-0.067 χ^2/NDF:497111.3/6

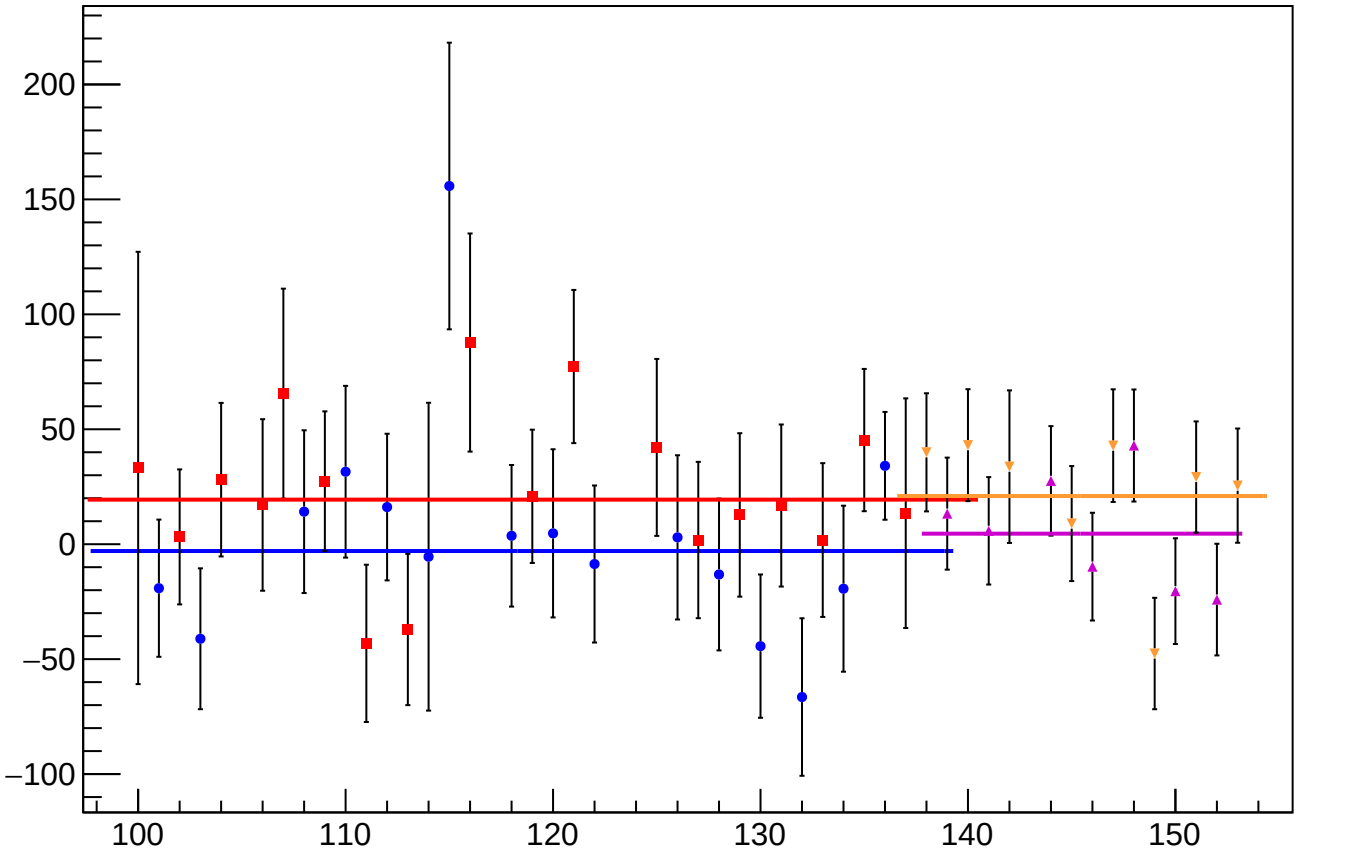
Left: 228.153+/-0.049 χ^2/NDF: 1252605.8/14

Right: 183.167+/-0.036 χ^2/NDF: 2653391.3/33

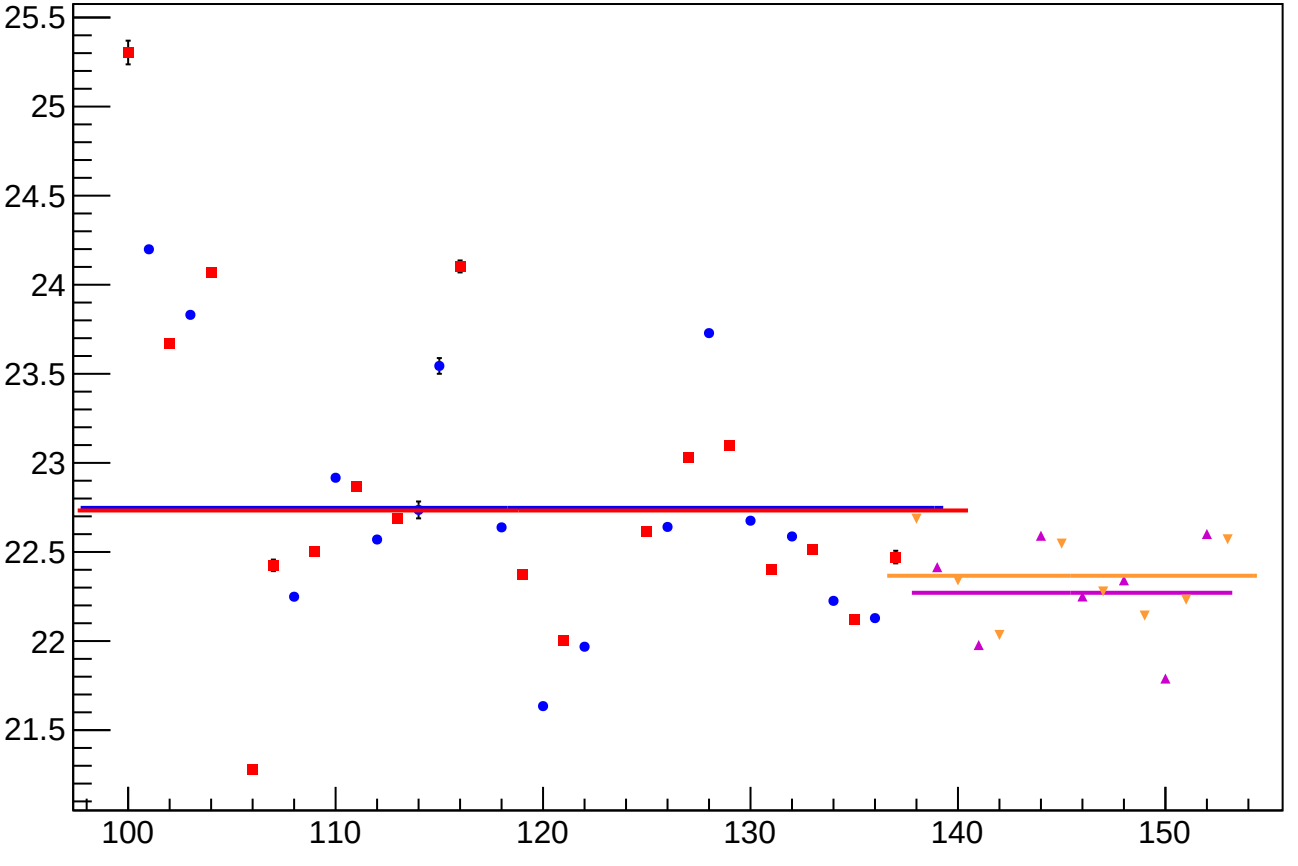
In: 205.132+/-0.042 χ^2/NDF:1580146.5/22

Out: 194.043+/-0.040 χ^2/NDF:2839726.2/25

All: 199.337+/-0.029 χ^2/NDF: 4456097.1/48


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
Right In: -2.967+/-8.454 χ²/NDF: 17.9/15
Left Out: 20.953+/-8.978 χ²/NDF:10.7/7
Right Out: 19.387+/-8.381 χ²/NDF: 14.5/17
Left In: 4.582+/-8.992 χ²/NDF:6.5/6
Left: 12.780+/-6.353 χ²/NDF: 18.8/14
Right: 8.306+/-5.952 χ²/NDF: 36.0/33
In: 0.575+/-6.159 χ²/NDF:24.8/22
Out: 20.116+/-6.127 χ²/NDF:25.2/25
All: 10.397+/-4.344 χ²/NDF: 55.1/48

asym_bcm_dg_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.367+/-0.006 χ^2/NDF:1010.0/7

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

Left In: 22.271+/-0.006 χ^2/NDF:2009.6/6

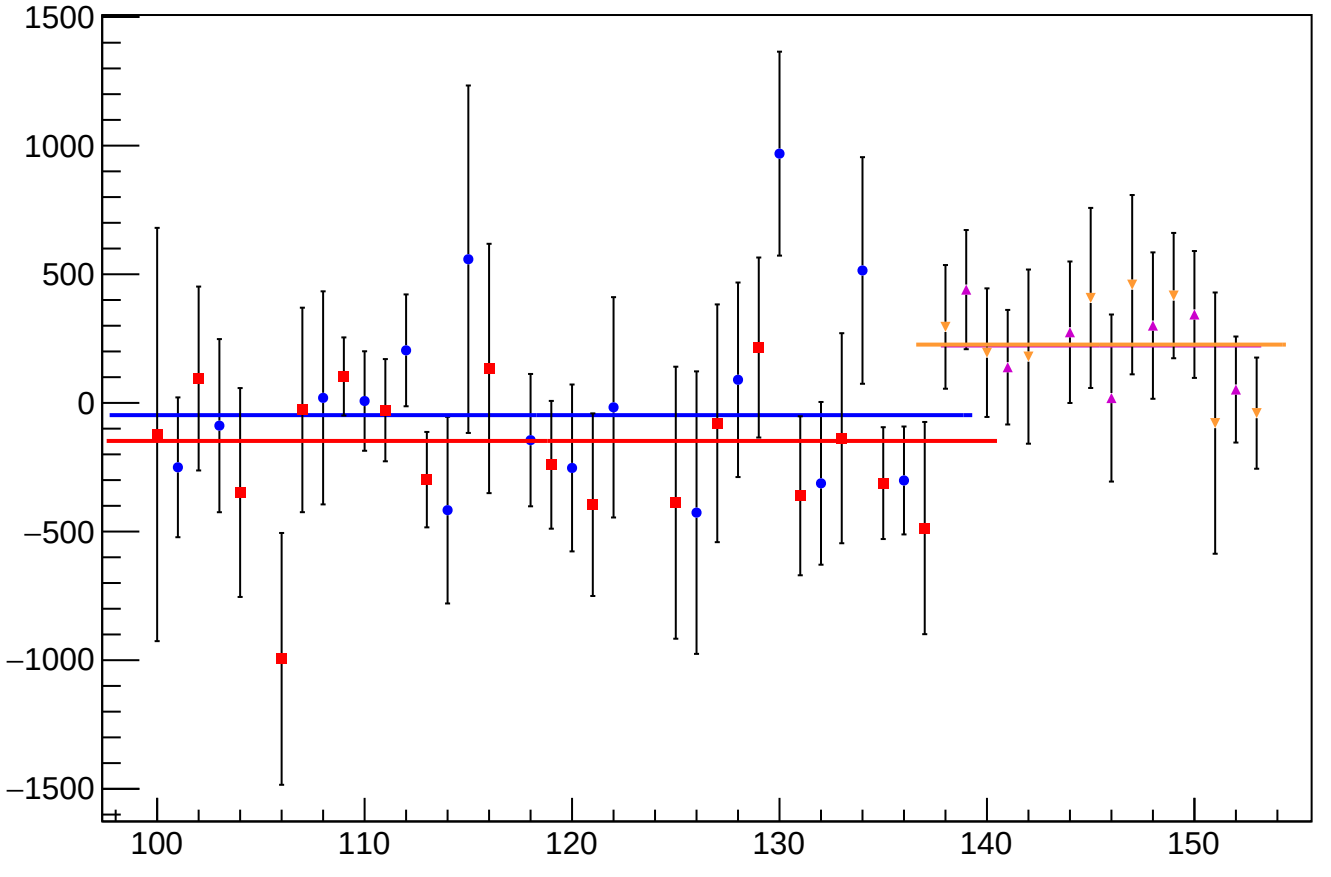
Left: 22.319+/-0.004 χ^2/NDF: 3132.8/14

Right: 22.740+/-0.004 χ^2/NDF: 29015.4/33

In: 22.524+/-0.004 χ^2/NDF:19613.6/22

Out: 22.562+/-0.004 χ^2/NDF:17179.1/25

All: 22.543+/-0.003 χ^2/NDF: 36831.9/48



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 226.660+/-99.696 χ^2/NDF:3.3/7

Right Out: -147.812+/-68.660 χ^2/NDF: 11.5/17

Left In: 223.164+/-93.713 χ^2/NDF:2.5/6

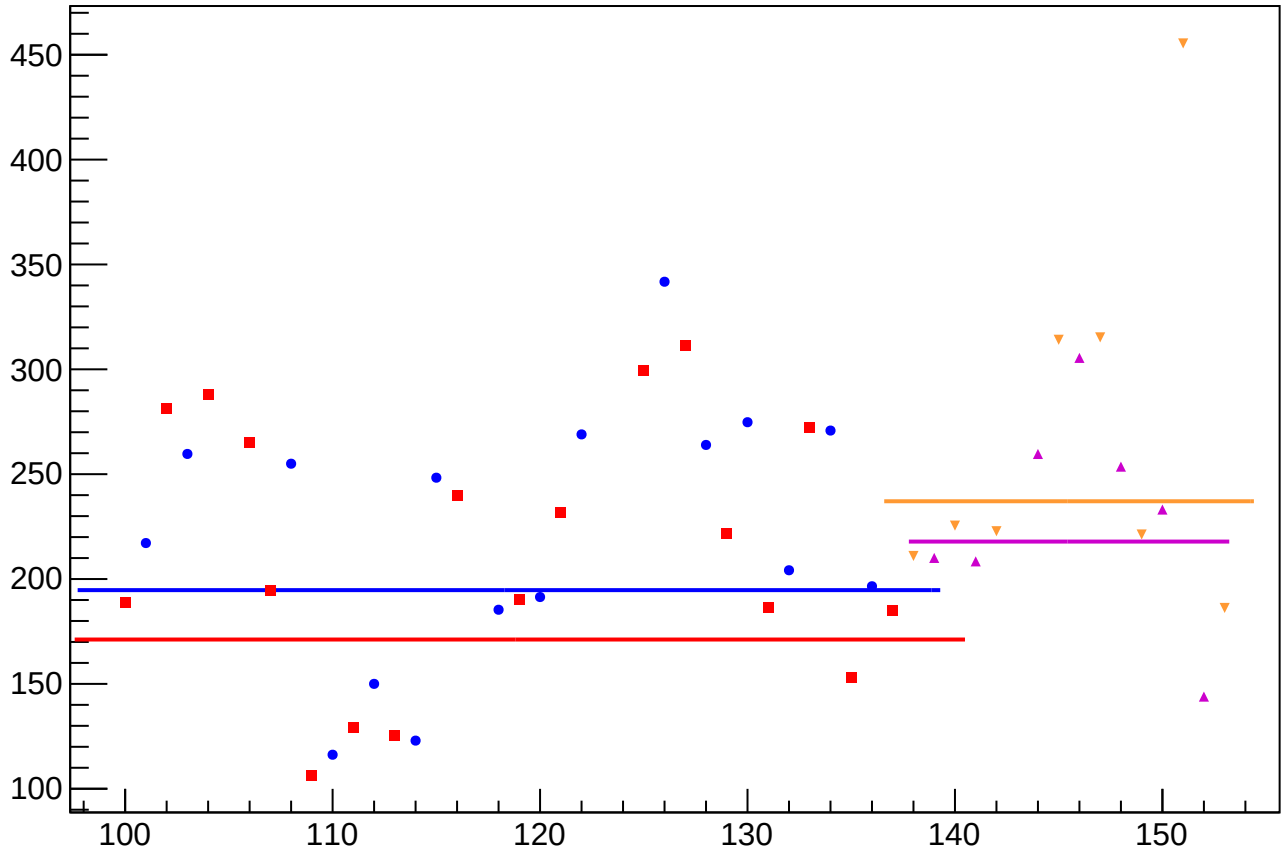
Left: 224.804+/-68.282 χ^2/NDF: 5.8/14

Right: -103.114+/-51.119 χ^2/NDF: 27.9/33

In: 60.846+/-59.295 χ^2/NDF:22.9/22

Out: -27.341+/-56.547 χ^2/NDF:24.4/25

All: 14.662+/-40.922 χ^2/NDF: 48.4/48



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 237.085+/-0.070 χ^2/NDF:717970.2/7

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

Left In: 217.863+/-0.066 χ^2/NDF:494113.5/6

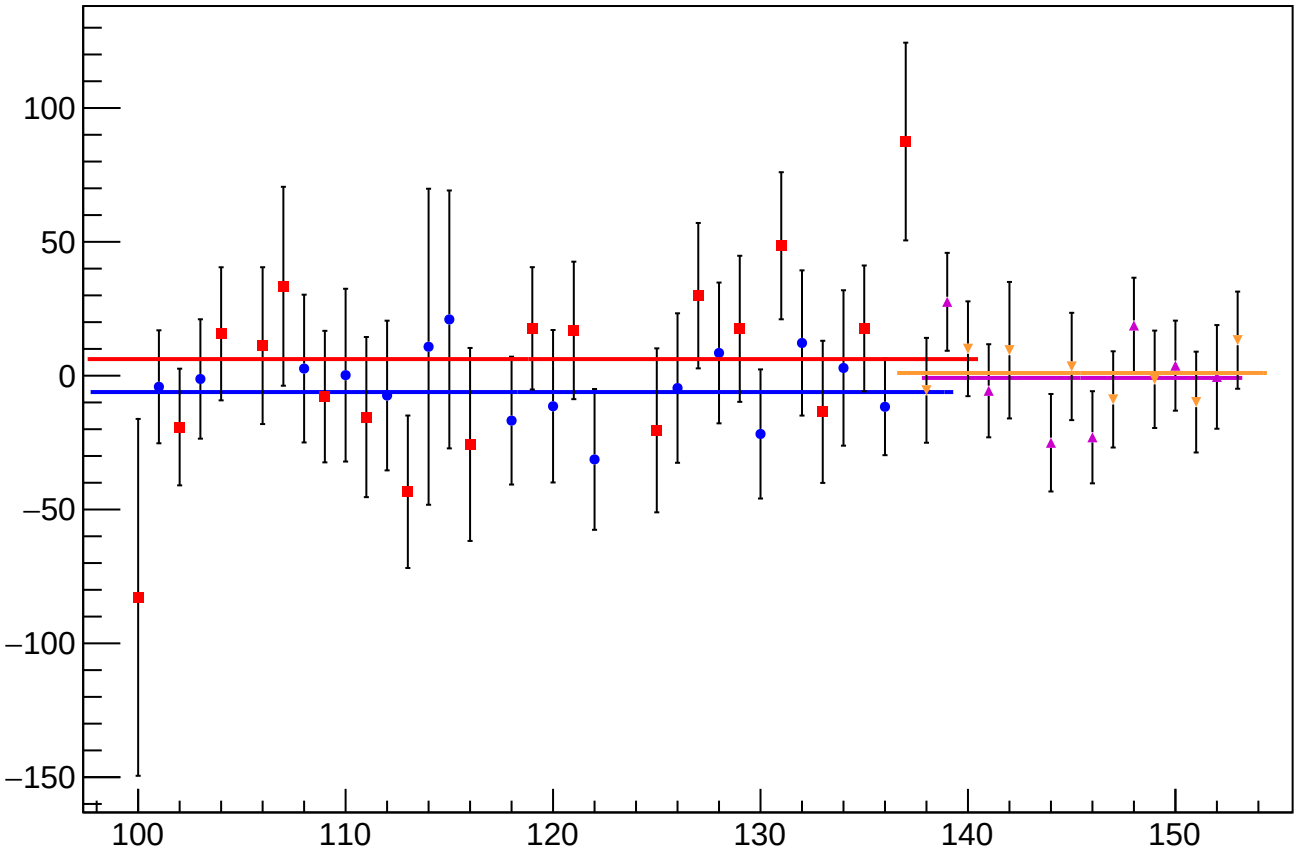
Left: 226.880+/-0.048 χ^2/NDF: 1251558.2/14

Right: 181.653+/-0.036 χ^2/NDF: 2769105.7/33

In: 203.978+/-0.042 χ^2/NDF:1619620.4/22

Out: 192.366+/-0.040 χ^2/NDF:2923162.9/25

All: 197.897+/-0.029 χ^2/NDF: 4582950.7/48



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 1.009+/-6.774 χ^2/NDF:1.6/7

Right Out: 6.195+/-6.580 χ^2/NDF: 18.6/17

Left In: -0.839+/-6.738 χ^2/NDF:7.2/6

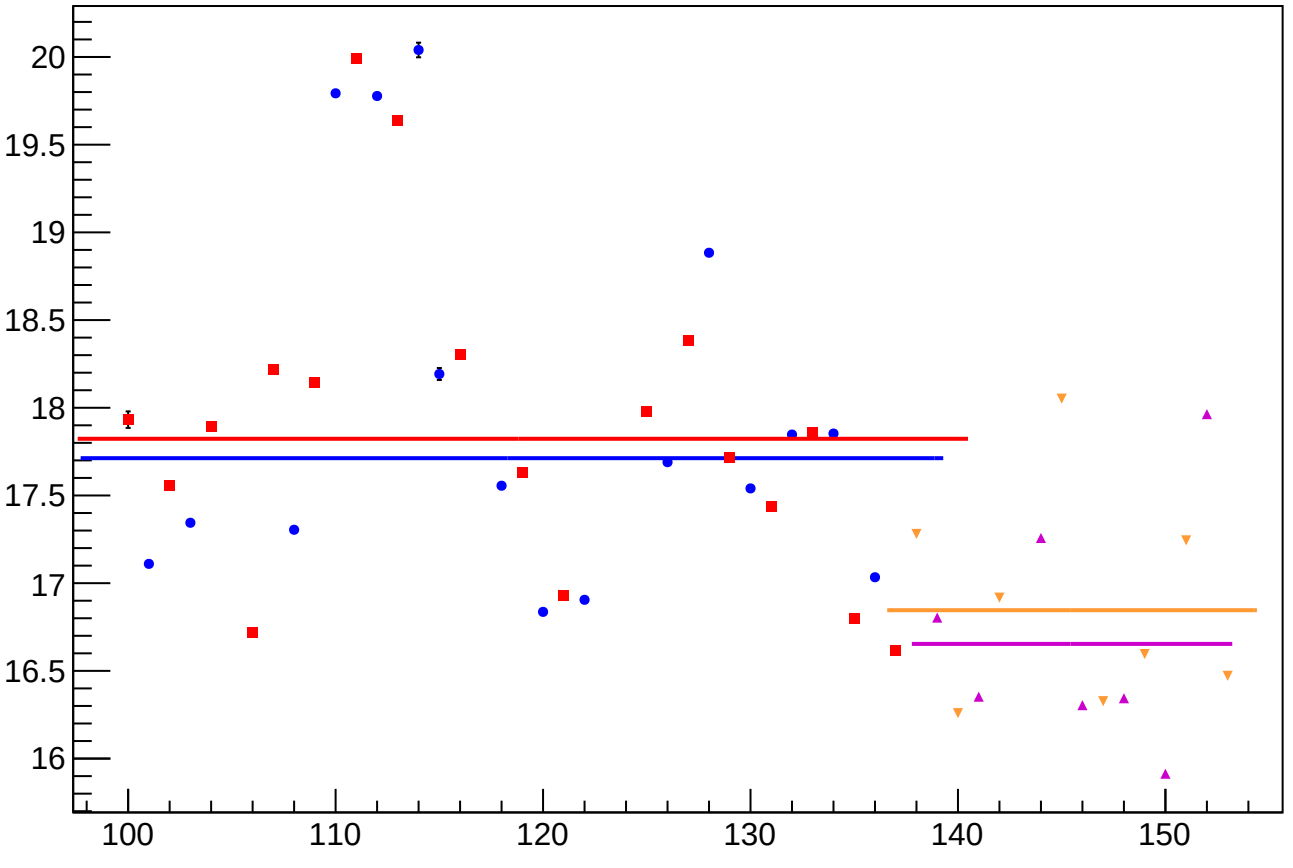
Left: 0.080+/-4.777 χ^2/NDF: 8.8/14

Right: 0.049+/-4.657 χ^2/NDF: 23.5/33

In: -3.537+/-4.712 χ^2/NDF:10.6/22

Out: 3.677+/-4.720 χ^2/NDF:20.5/25

All: 0.064+/-3.335 χ^2/NDF: 32.3/48



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.846+/-0.005 χ^2/NDF:14224.6/7

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

Left In: 16.654+/-0.005 χ^2/NDF:17382.0/6

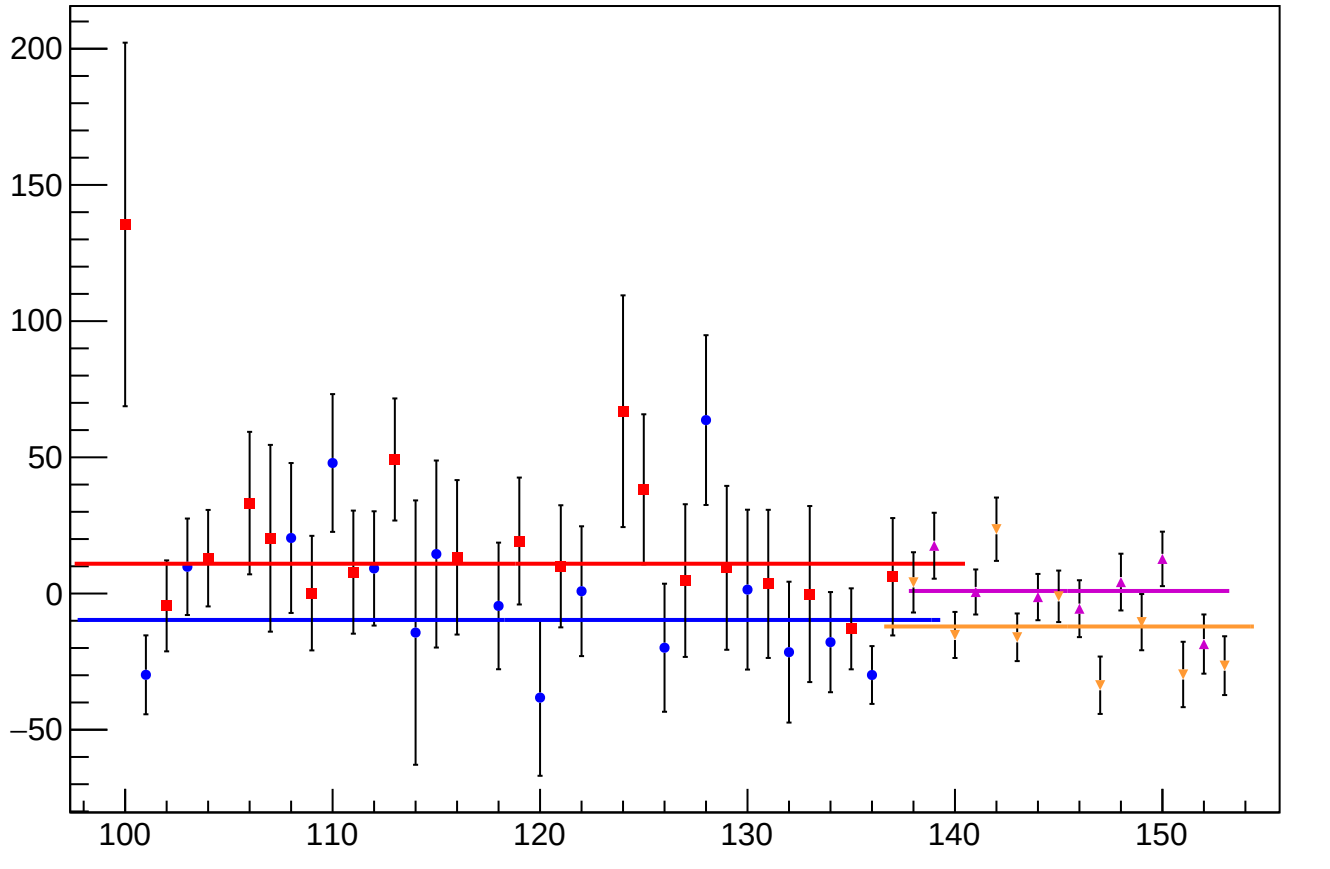
Left: 16.749+/-0.003 χ^2/NDF: 32415.3/14

Right: 17.768+/-0.003 χ^2/NDF: 68768.1/33

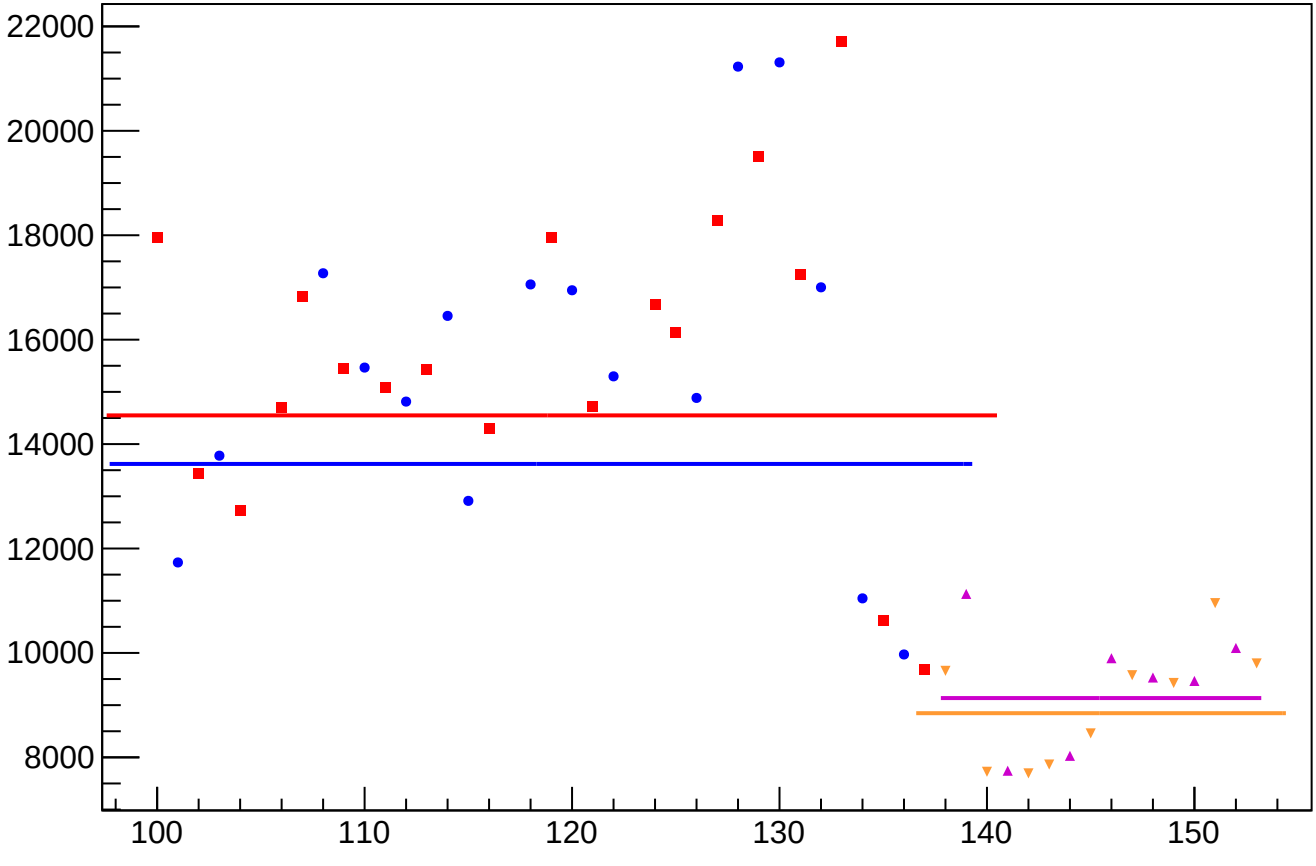
In: 17.195+/-0.003 χ^2/NDF:78602.3/22

Out: 17.349+/-0.003 χ^2/NDF:68144.9/25

All: 17.272+/-0.002 χ^2/NDF: 147812.9/48


diff_bpm_4aX_4acX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
Right In: -9.702+/-5.231 χ²/NDF: 22.0/15
Left Out: -12.102+/-3.376 χ²/NDF:21.4/8
Right Out: 10.938+/-5.436 χ²/NDF: 14.1/18
Left In: 0.940+/-3.723 χ²/NDF:7.0/6
Left: -6.217+/-2.501 χ²/NDF: 35.2/15
Right: 0.222+/-3.769 χ²/NDF: 43.6/34
In: -2.637+/-3.033 χ²/NDF:31.8/22
Out: -5.690+/-2.868 χ²/NDF:48.5/27
All: -4.249+/-2.084 χ²/NDF: 80.8/50

diff_bpm_4aX_4acX_avg_rms vs Slug, Sign Corrected



Right In: 13619.845+/-3.699 χ^2/NDF: 746985.9/15

Left Out: 8845.982+/-2.387 χ^2/NDF:187417.7/8

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

Left In: 9135.581+/-2.633 χ^2/NDF:176151.5/6

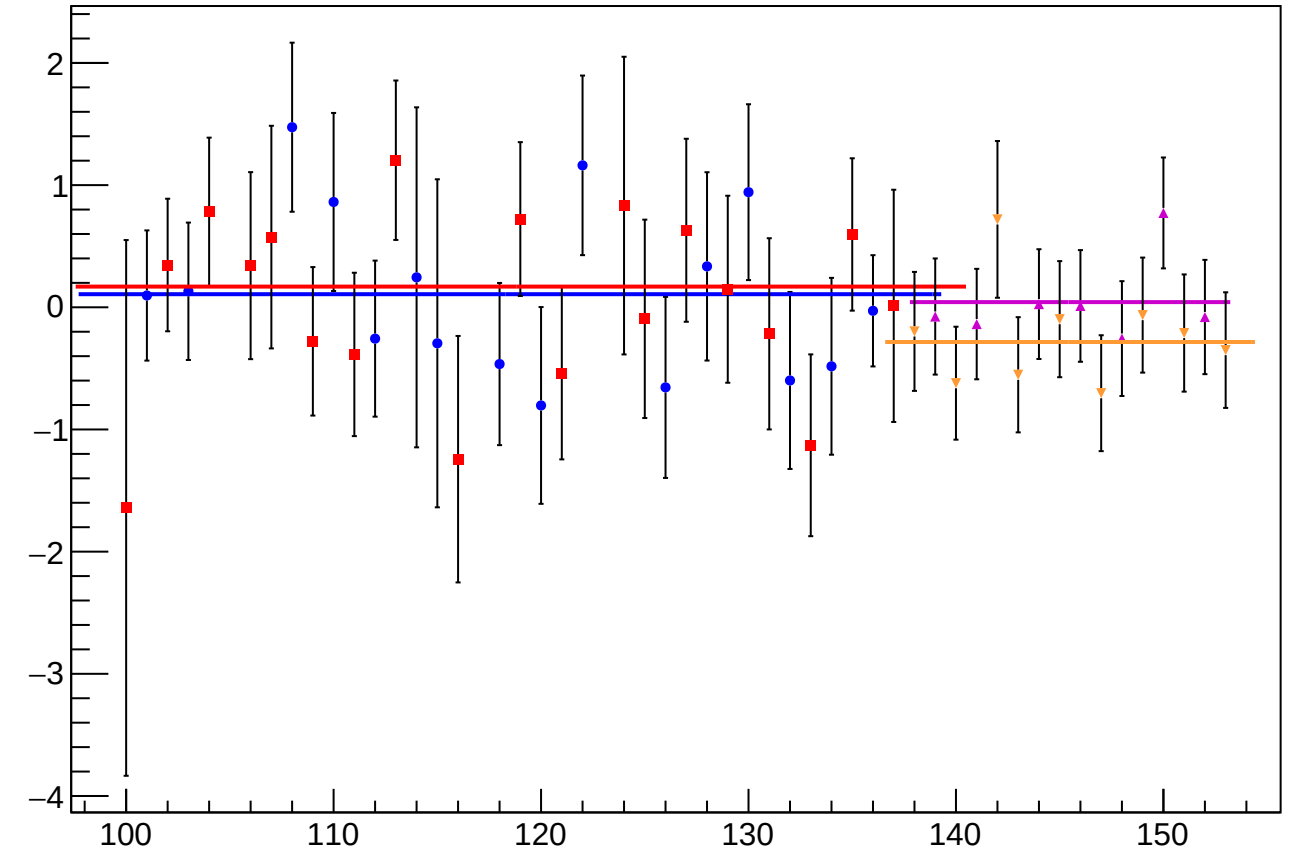
Left: 8976.646+/-1.768 χ^2/NDF: 370210.9/15

Right: 14066.907+/-2.665 χ^2/NDF: 1333265.9/34

In: 10643.130+/-2.145 χ^2/NDF:1898628.1/22

Out: 10433.206+/-2.028 χ^2/NDF:2332297.0/27

All: 10532.284+/-1.474 χ^2/NDF: 4235983.3/5



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.284+/-0.162 χ^2/NDF:4.5/8

Right Out: 0.169+/-0.169 χ^2/NDF: 14.1/18

Left In: 0.042+/-0.174 χ^2/NDF:3.3/6

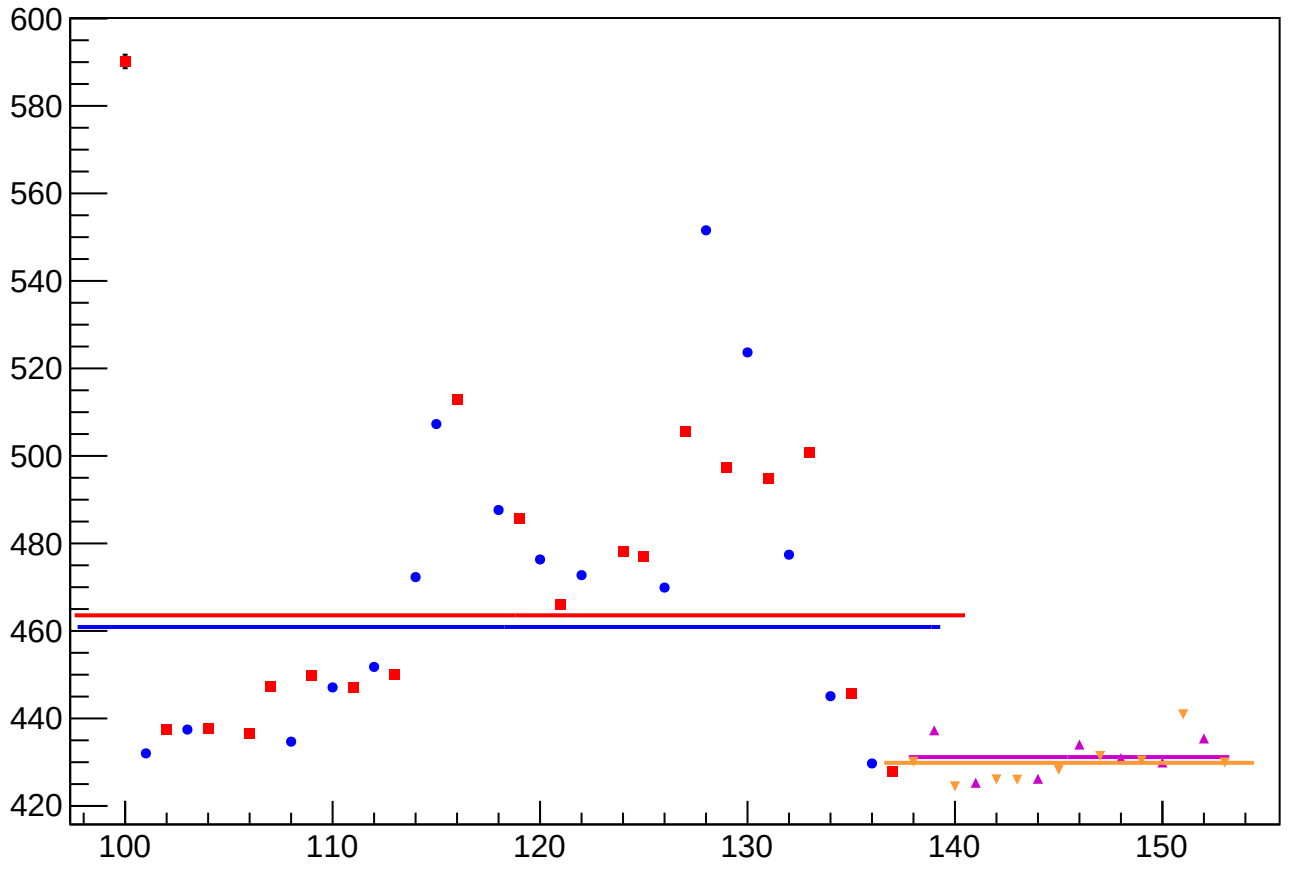
Left: -0.132+/-0.119 χ^2/NDF: 9.7/15

Right: 0.139+/-0.121 χ^2/NDF: 27.8/34

In: 0.075+/-0.122 χ^2/NDF:17.0/22

Out: -0.067+/-0.117 χ^2/NDF:22.4/27

All: 0.001+/-0.085 χ^2/NDF: 40.1/50



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 429.855+/-0.115 χ^2/NDF:1589.2/8

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

Left In: 431.175+/-0.123 χ^2/NDF:1172.0/6

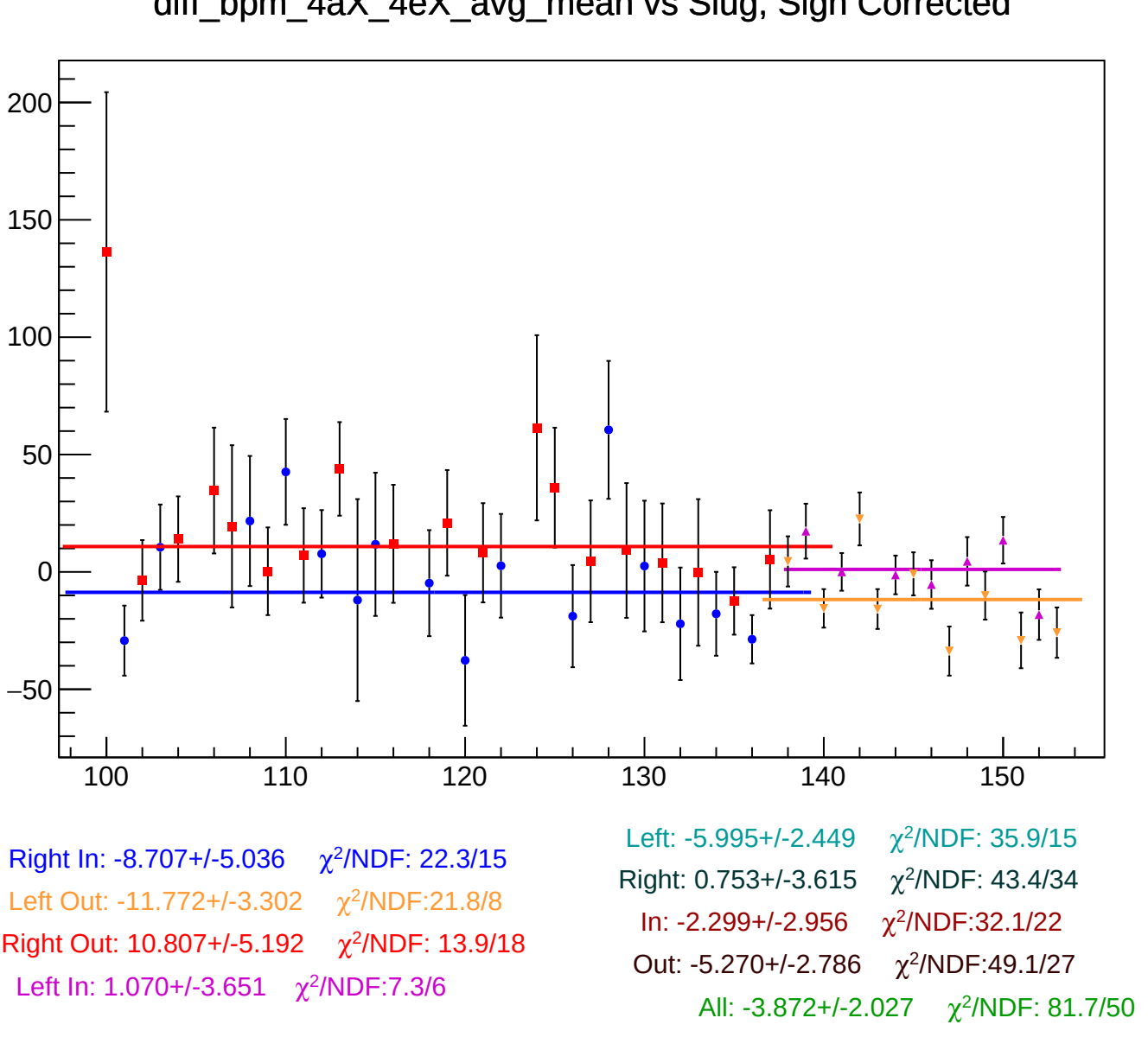
Left: 430.468+/-0.084 χ^2/NDF: 2822.7/15

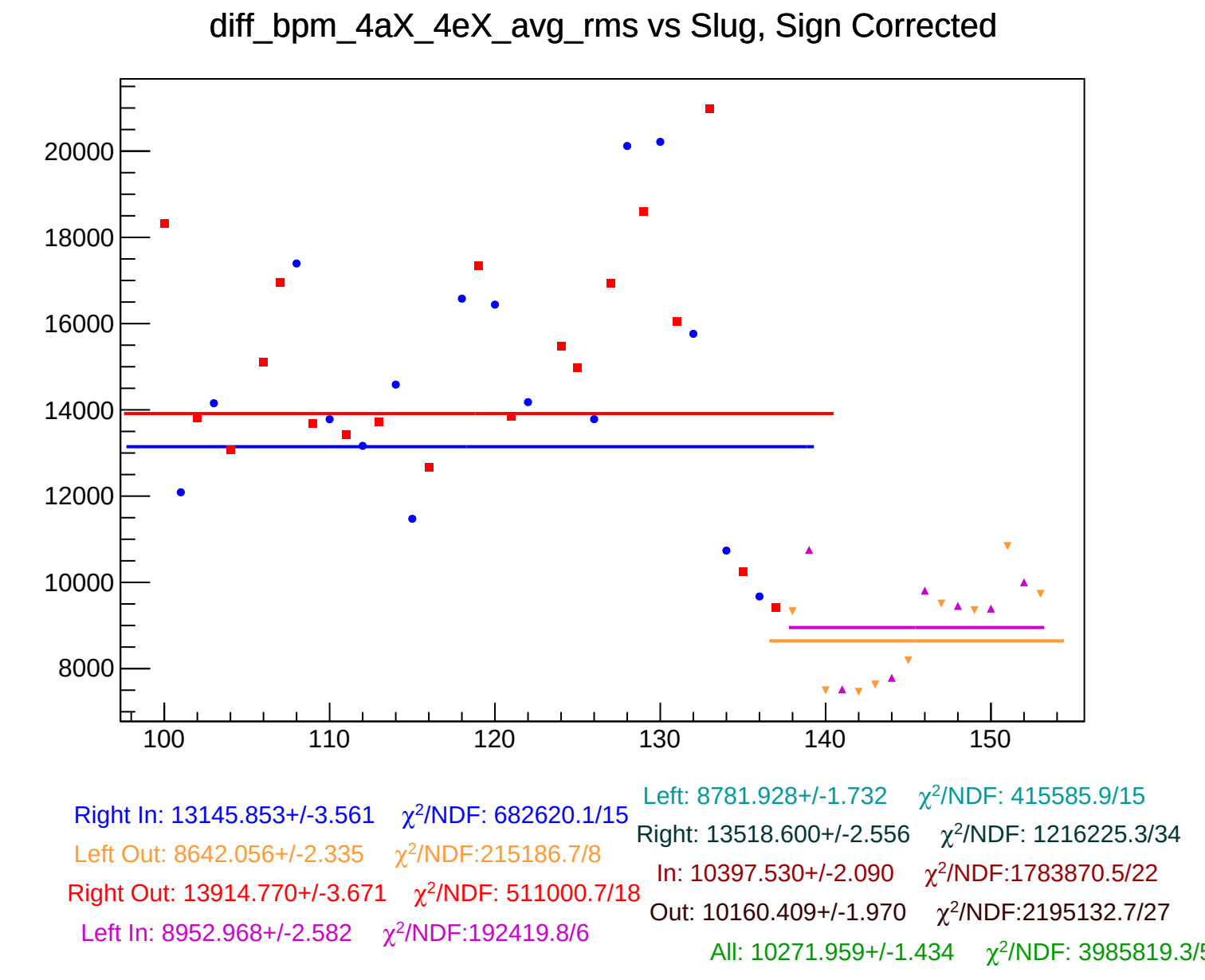
Right: 462.257+/-0.085 χ^2/NDF: 127350.1/34

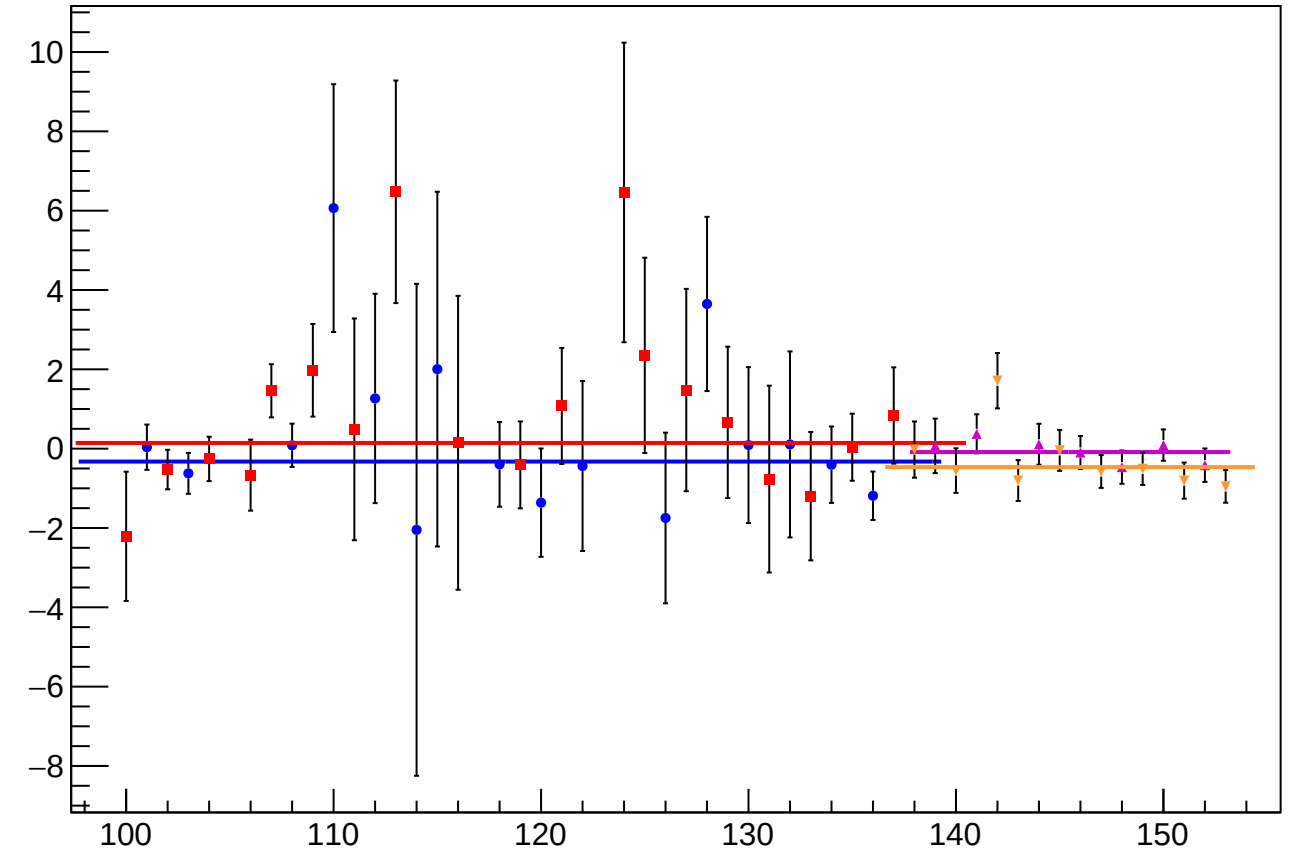
In: 446.240+/-0.086 χ^2/NDF:105682.1/22

Out: 445.975+/-0.083 χ^2/NDF:95102.1/27

All: 446.102+/-0.060 χ^2/NDF: 200789.0/50


diff_bpm_4aX_4eX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
Right In: -8.707+/-5.036 χ²/NDF: 22.3/15
Left Out: -11.772+/-3.302 χ²/NDF:21.8/8
Right Out: 10.807+/-5.192 χ²/NDF: 13.9/18
Left In: 1.070+/-3.651 χ²/NDF:7.3/6
Left: -5.995+/-2.449 χ²/NDF: 35.9/15
Right: 0.753+/-3.615 χ²/NDF: 43.4/34
In: -2.299+/-2.956 χ²/NDF:32.1/22
Out: -5.270+/-2.786 χ²/NDF:49.1/27
All: -3.872+/-2.027 χ²/NDF: 81.7/50


diff_bpm_4aX_4eX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
Right In: 13145.853+/-3.561 χ²/NDF: 682620.1/15
Left Out: 8642.056+/-2.335 χ²/NDF:215186.7/8
Right Out: 13914.770+/-3.671 χ²/NDF: 511000.7/18
Left In: 8952.968+/-2.582 χ²/NDF:192419.8/6
Left: 8781.928+/-1.732 χ²/NDF: 415585.9/15
Right: 13518.600+/-2.556 χ²/NDF: 1216225.3/34
In: 10397.530+/-2.090 χ²/NDF:1783870.5/22
Out: 10160.409+/-1.970 χ²/NDF:2195132.7/27
All: 10271.959+/-1.434 χ²/NDF: 3985819.3/5



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.465+/-0.164 χ^2/NDF:13.3/8

Right Out: 0.144+/-0.244 χ^2/NDF: 22.5/18

Left In: -0.085+/-0.173 χ^2/NDF:2.7/6

Left: -0.286+/-0.119 χ^2/NDF: 18.6/15

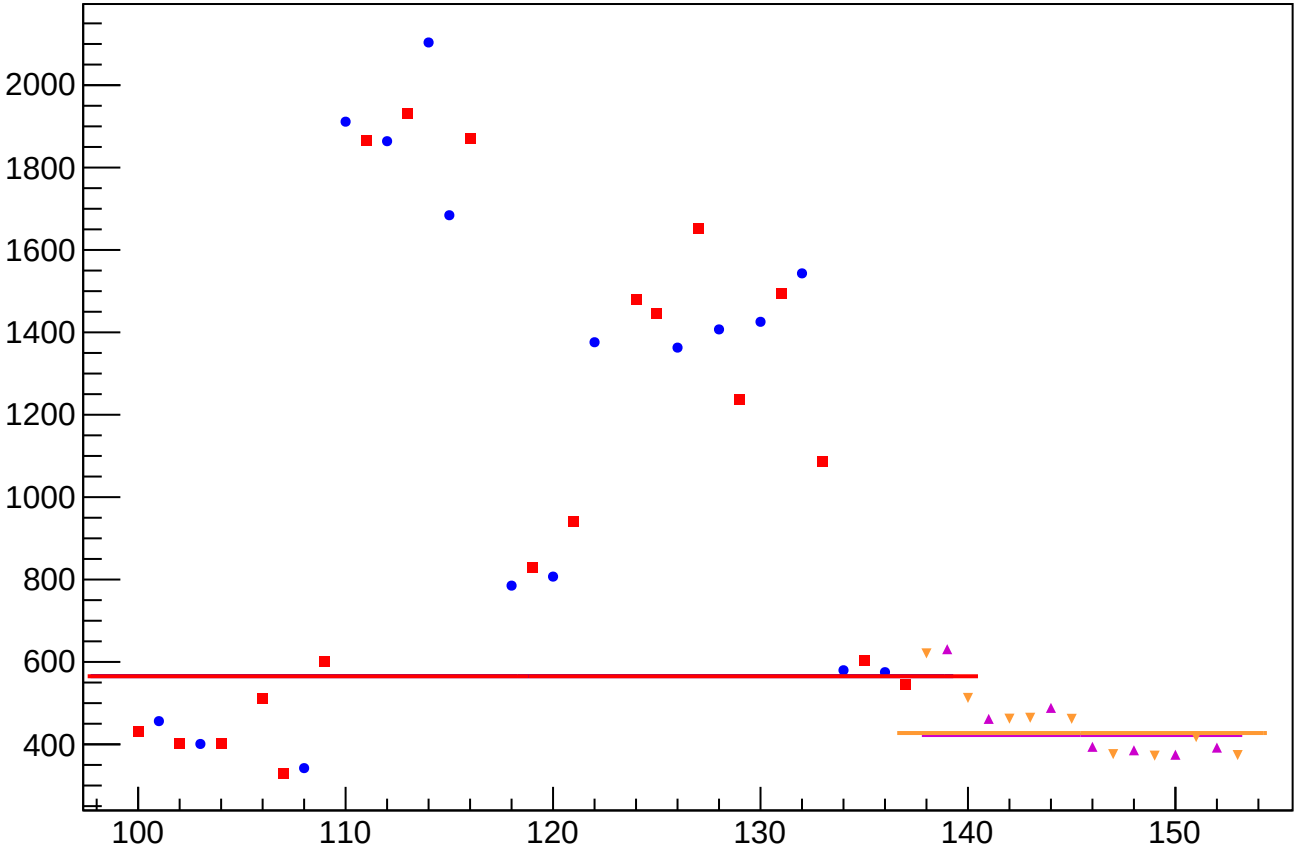
Right: -0.091+/-0.173 χ^2/NDF: 36.9/34

In: -0.166+/-0.141 χ^2/NDF:15.9/22

Out: -0.277+/-0.136 χ^2/NDF:40.1/27

All: -0.223+/-0.098 χ^2/NDF: 56.3/50

diff_bpm_4aX_4eX_dd_rms vs Slug, Sign Corrected



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 427.445+/-0.116 χ^2/NDF:320717.2/8

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

Left In: 422.576+/-0.122 χ^2/NDF:294030.6/6

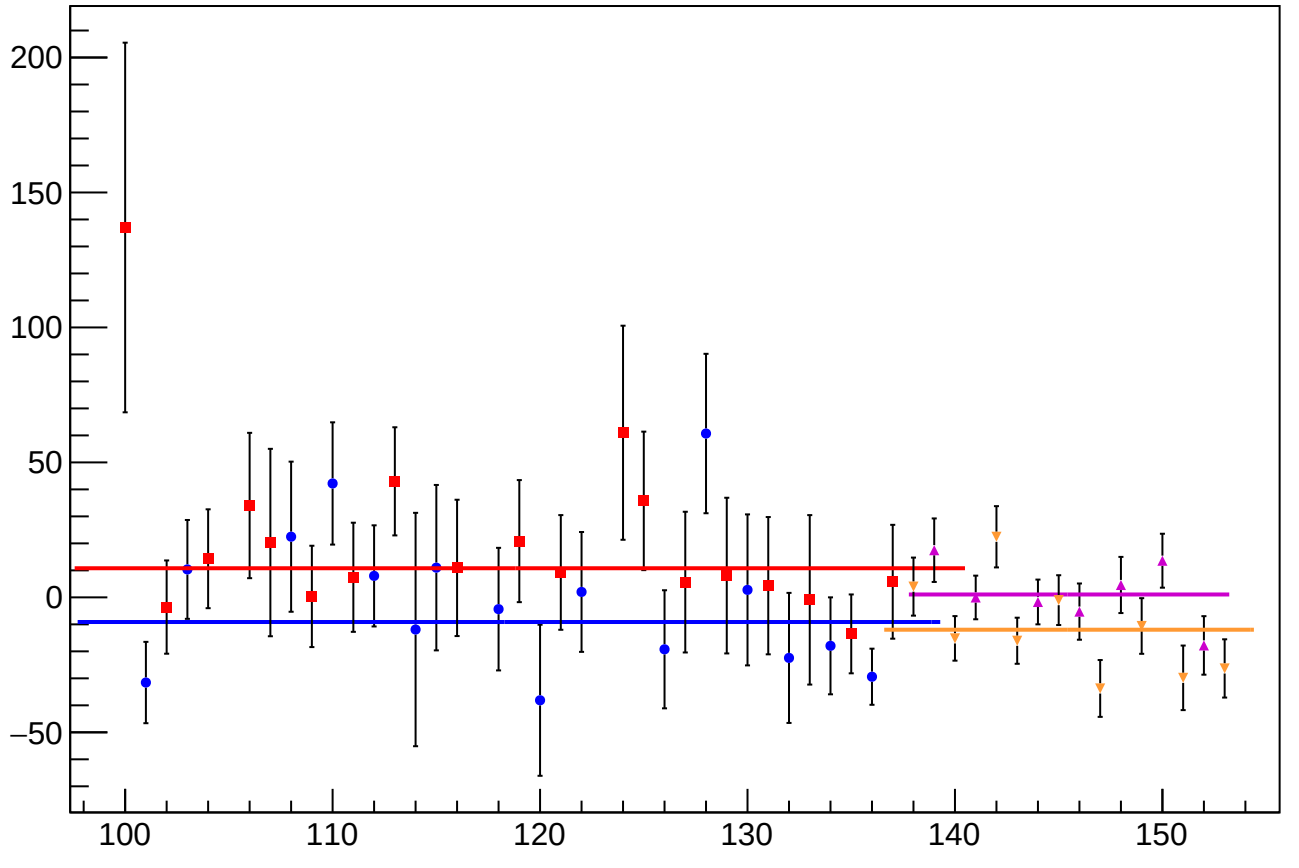
Left: 425.144+/-0.084 χ^2/NDF: 615584.1/15

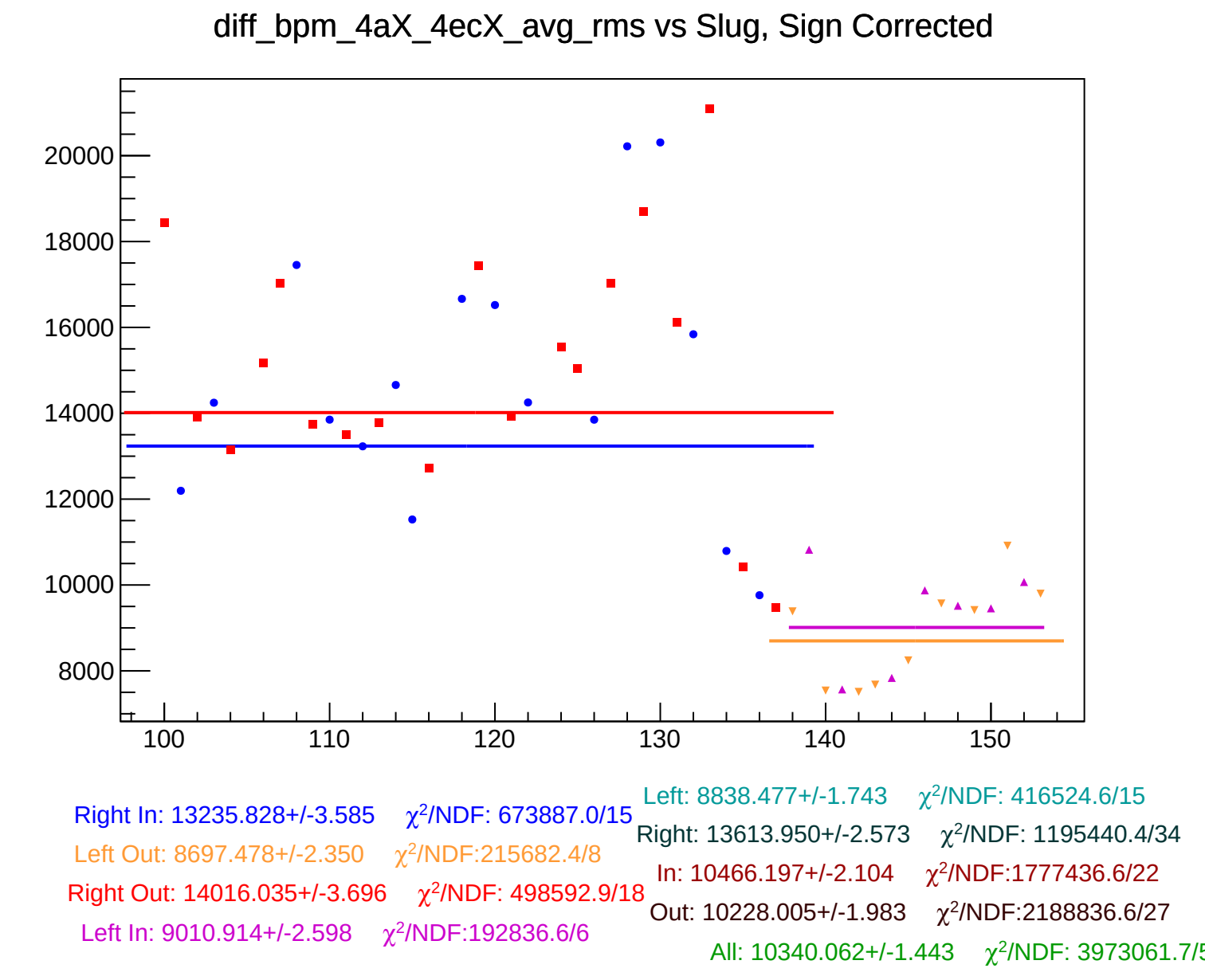
Right: 565.377+/-0.122 χ^2/NDF: 7022156.1/34

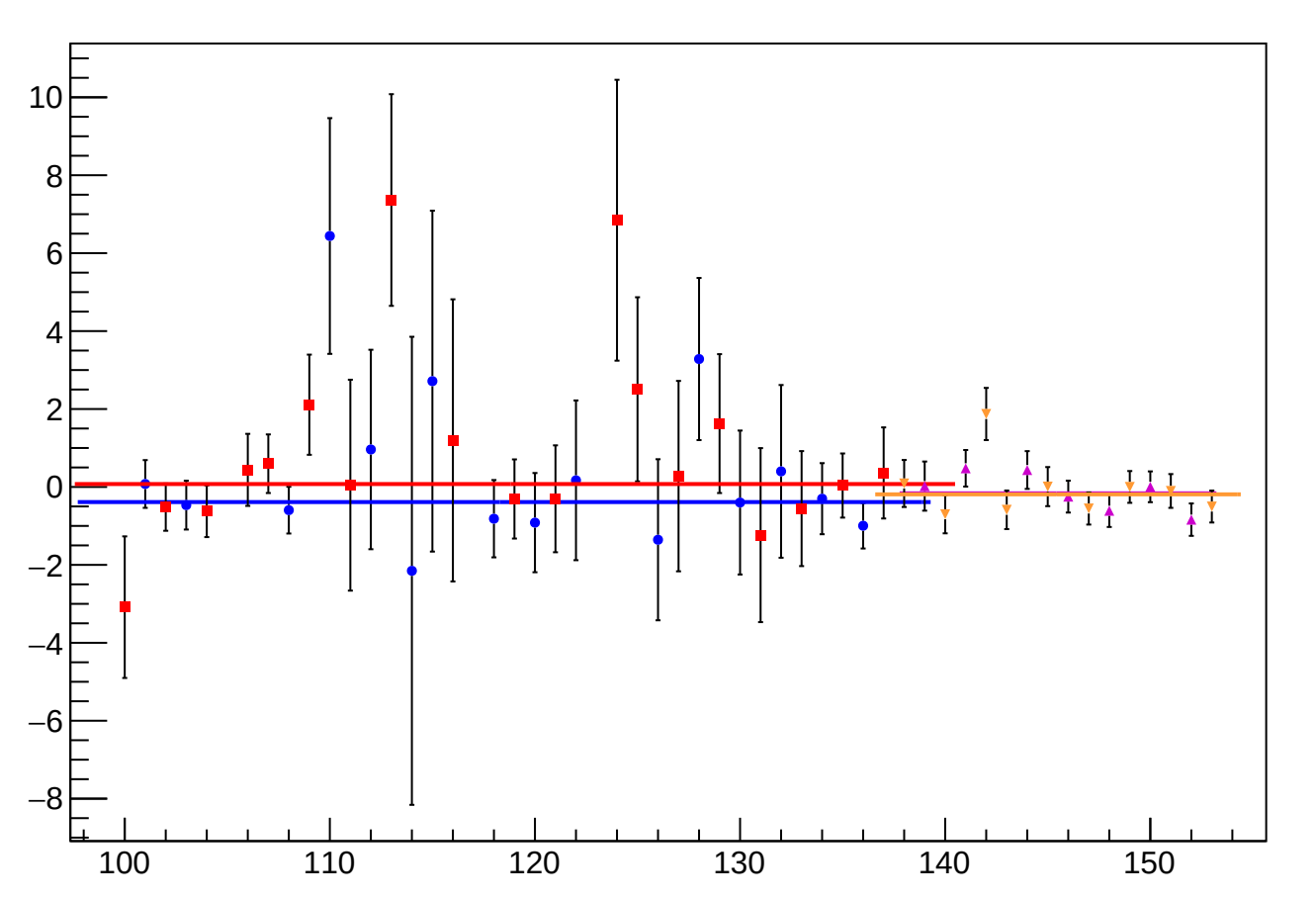
In: 470.340+/-0.100 χ^2/NDF:4201227.5/22

Out: 470.127+/-0.096 χ^2/NDF:4331154.9/27

All: 470.230+/-0.069 χ^2/NDF: 8532384.7/50


diff_bpm_4aX_4ecX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
Right In: -9.130+/-5.069 χ²/NDF: 22.7/15
Left Out: -11.986+/-3.323 χ²/NDF:21.5/8
Right Out: 10.788+/-5.227 χ²/NDF: 13.7/18
Left In: 1.069+/-3.675 χ²/NDF:7.2/6
Left: -6.113+/-2.465 χ²/NDF: 35.6/15
Right: 0.523+/-3.639 χ²/NDF: 43.9/34
In: -2.444+/-2.975 χ²/NDF:32.6/22
Out: -5.432+/-2.804 χ²/NDF:48.7/27
All: -4.026+/-2.041 χ²/NDF: 81.8/50


diff_bpm_4aX_4ecX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
Right In: 13235.828+/-3.585 χ²/NDF: 673887.0/15
Left Out: 8697.478+/-2.350 χ²/NDF:215682.4/8
Right Out: 14016.035+/-3.696 χ²/NDF: 498592.9/18
Left In: 9010.914+/-2.598 χ²/NDF:192836.6/6
Left: 8838.477+/-1.743 χ²/NDF: 416524.6/15
Right: 13613.950+/-2.573 χ²/NDF: 1195440.4/34
In: 10466.197+/-2.104 χ²/NDF:1777436.6/22
Out: 10228.005+/-1.983 χ²/NDF:2188836.6/27
All: 10340.062+/-1.443 χ²/NDF: 3973061.7/5



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.190+/-0.157 χ^2/NDF:13.2/8

Right Out: 0.075+/-0.265 χ^2/NDF: 21.7/18

Left In: -0.163+/-0.168 χ^2/NDF:7.5/6

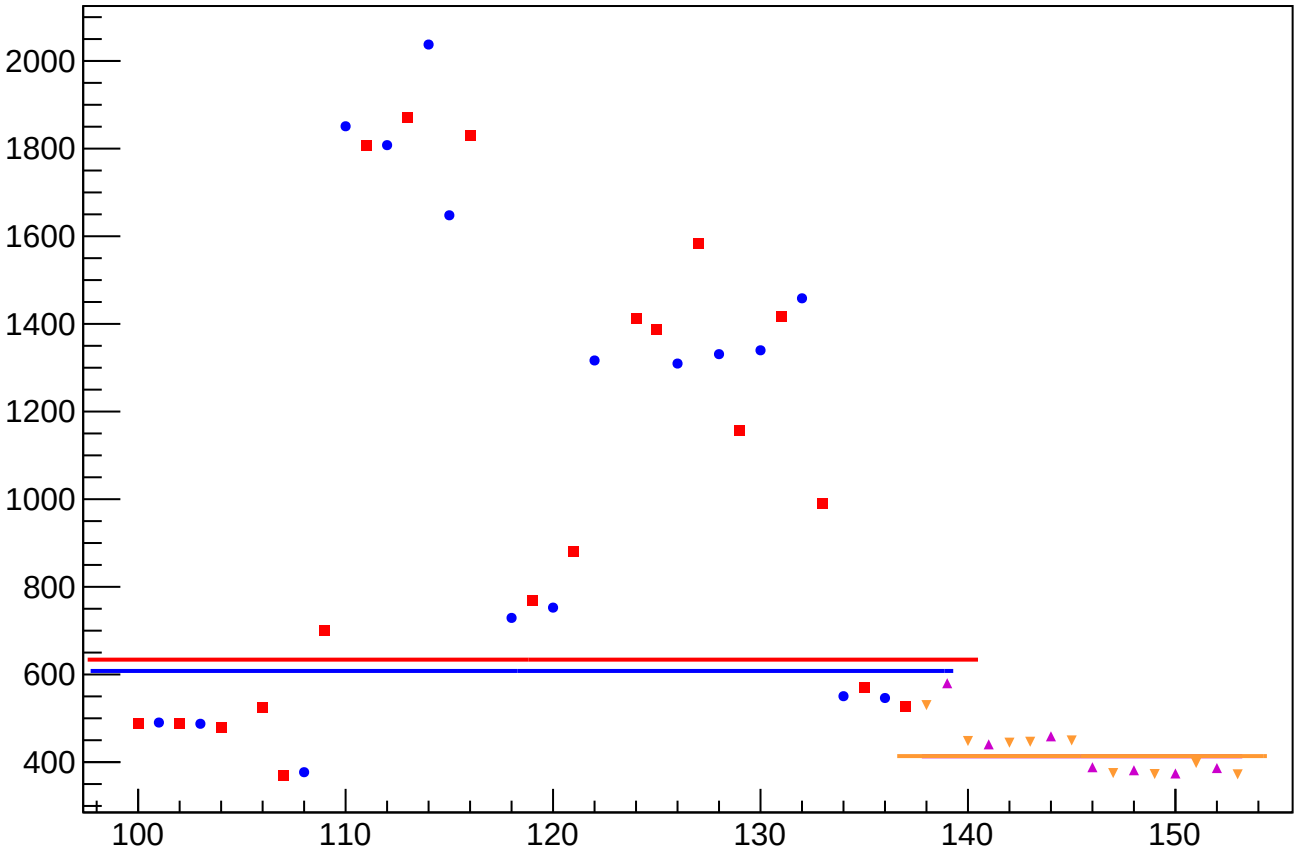
Left: -0.177+/-0.115 χ^2/NDF: 20.7/15

Right: -0.164+/-0.184 χ^2/NDF: 34.9/34

In: -0.231+/-0.141 χ^2/NDF:19.7/22

Out: -0.121+/-0.135 χ^2/NDF:35.6/27

All: -0.174+/-0.097 χ^2/NDF: 55.6/50



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 413.770+/-0.111 χ^2/NDF:168483.5/8

Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 413.299+/-0.119 χ^2/NDF:211371.7/6

Left: 413.550+/-0.081 χ^2/NDF: 379863.6/15

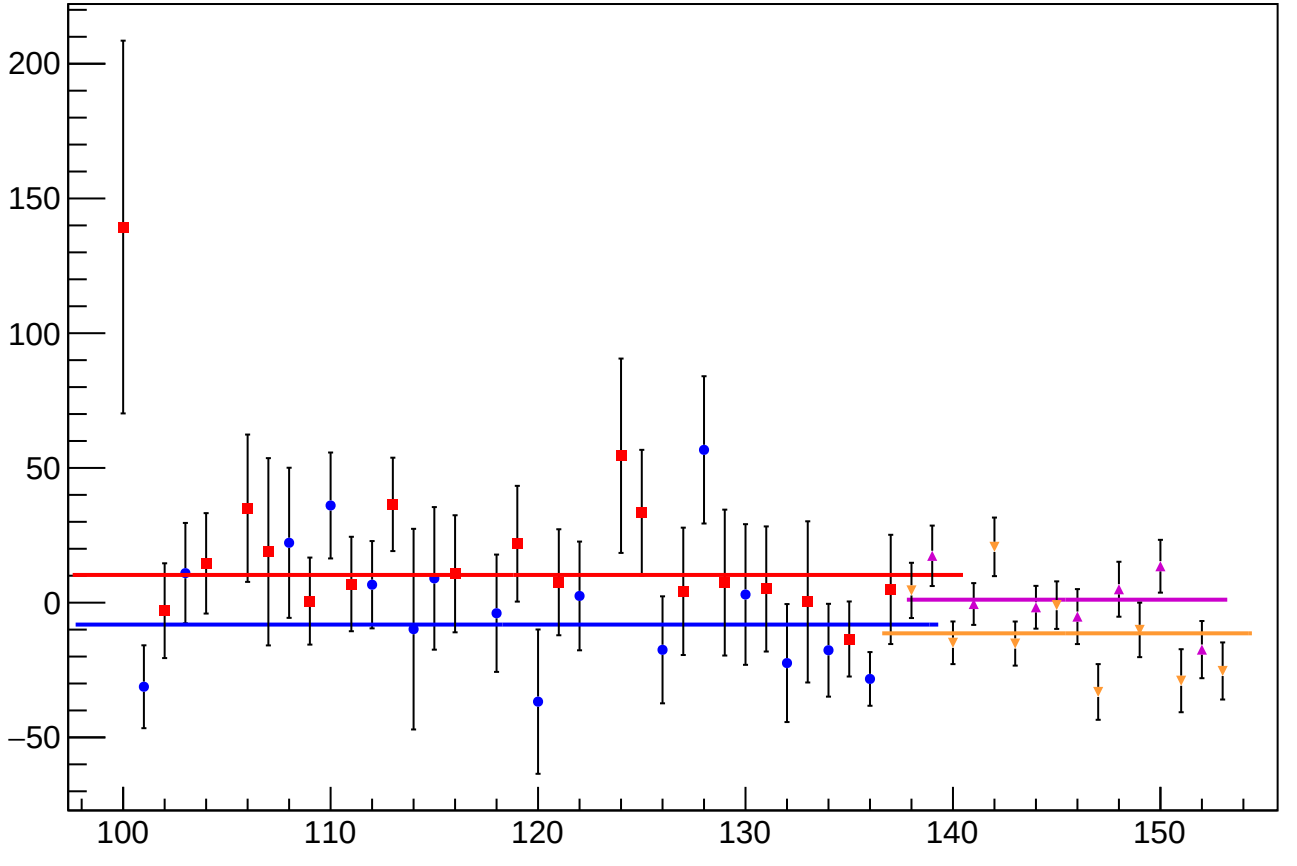
Right: 620.535+/-0.130 χ^2/NDF: 5651022.3/34

In: 472.215+/-0.099 χ^2/NDF:3873420.3/22

Out: 471.305+/-0.096 χ^2/NDF:3979793.7/27

All: 471.742+/-0.069 χ^2/NDF: 7853257.5/50

diff_bpm_4eX_4ecX_avg_mean vs Slug, Sign Corrected



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -11.379+/-3.209 χ^2/NDF:21.4/8

Right Out: 10.288+/-4.873 χ^2/NDF: 13.7/18

Left In: 1.104+/-3.559 χ^2/NDF:7.5/6

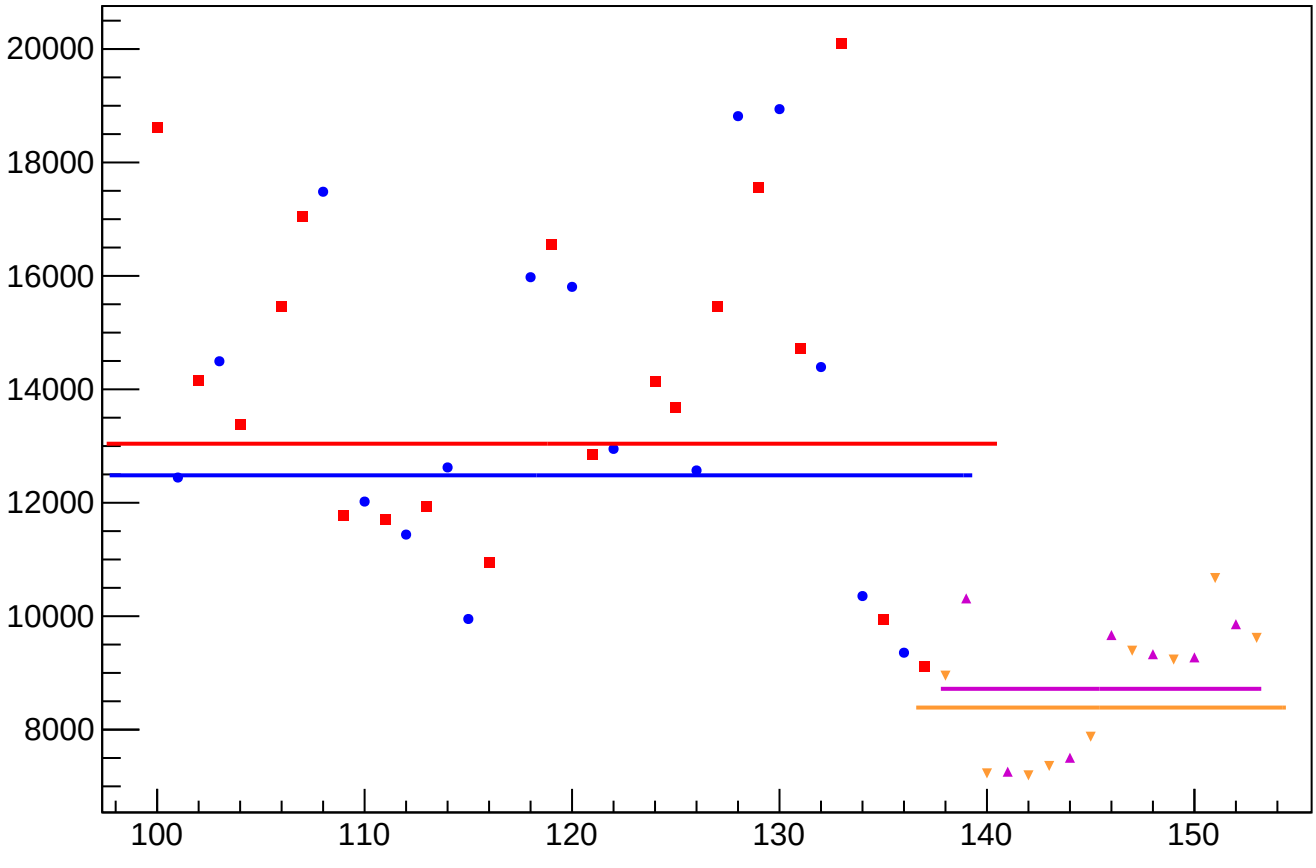
Left: -5.780+/-2.383 χ^2/NDF: 35.6/15

Right: 0.898+/-3.412 χ^2/NDF: 44.1/34

In: -2.190+/-2.854 χ^2/NDF:33.0/22

Out: -4.825+/-2.680 χ^2/NDF:48.9/27

All: -3.591+/-1.954 χ^2/NDF: 82.3/50



Right In: 12483.955+/-3.379 χ^2/NDF: 671560.0/15

Left Out: 8389.223+/-2.269 χ^2/NDF:247734.4/8

Right Out: 13041.241+/-3.446 χ^2/NDF: 544486.8/18

Left In: 8719.605+/-2.516 χ^2/NDF:212205.8/6

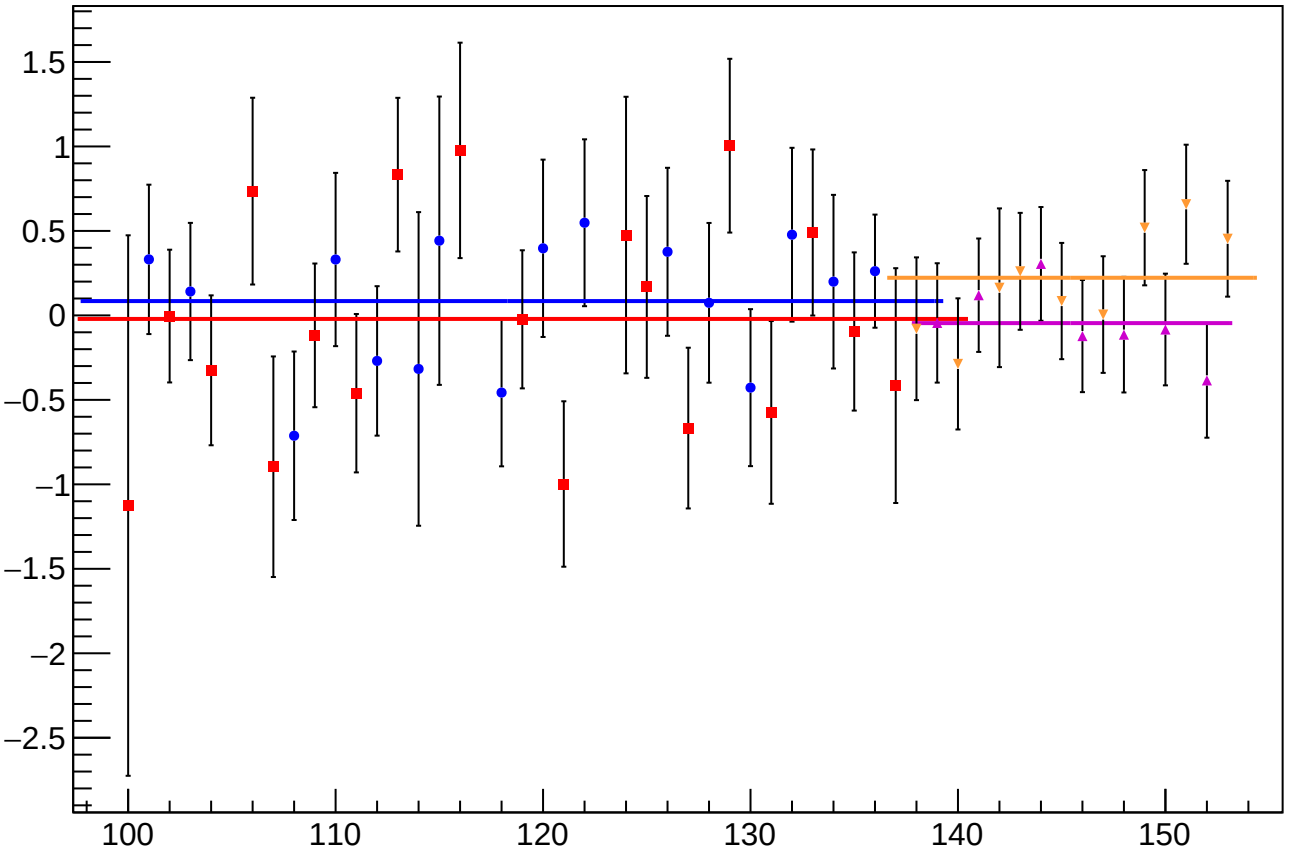
Left: 8537.403+/-1.685 χ^2/NDF: 469447.6/15

Right: 12757.154+/-2.413 χ^2/NDF: 1229378.8/34

In: 10062.267+/-2.018 χ^2/NDF:1682032.7/22

Out: 9796.299+/-1.895 χ^2/NDF:2063425.1/27

All: 9920.930+/-1.382 χ^2/NDF: 3754686.7/50



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.223+/-0.122 χ^2/NDF:5.6/8

Right Out: -0.021+/-0.117 χ^2/NDF: 24.3/18

Left In: -0.046+/-0.128 χ^2/NDF:2.4/6

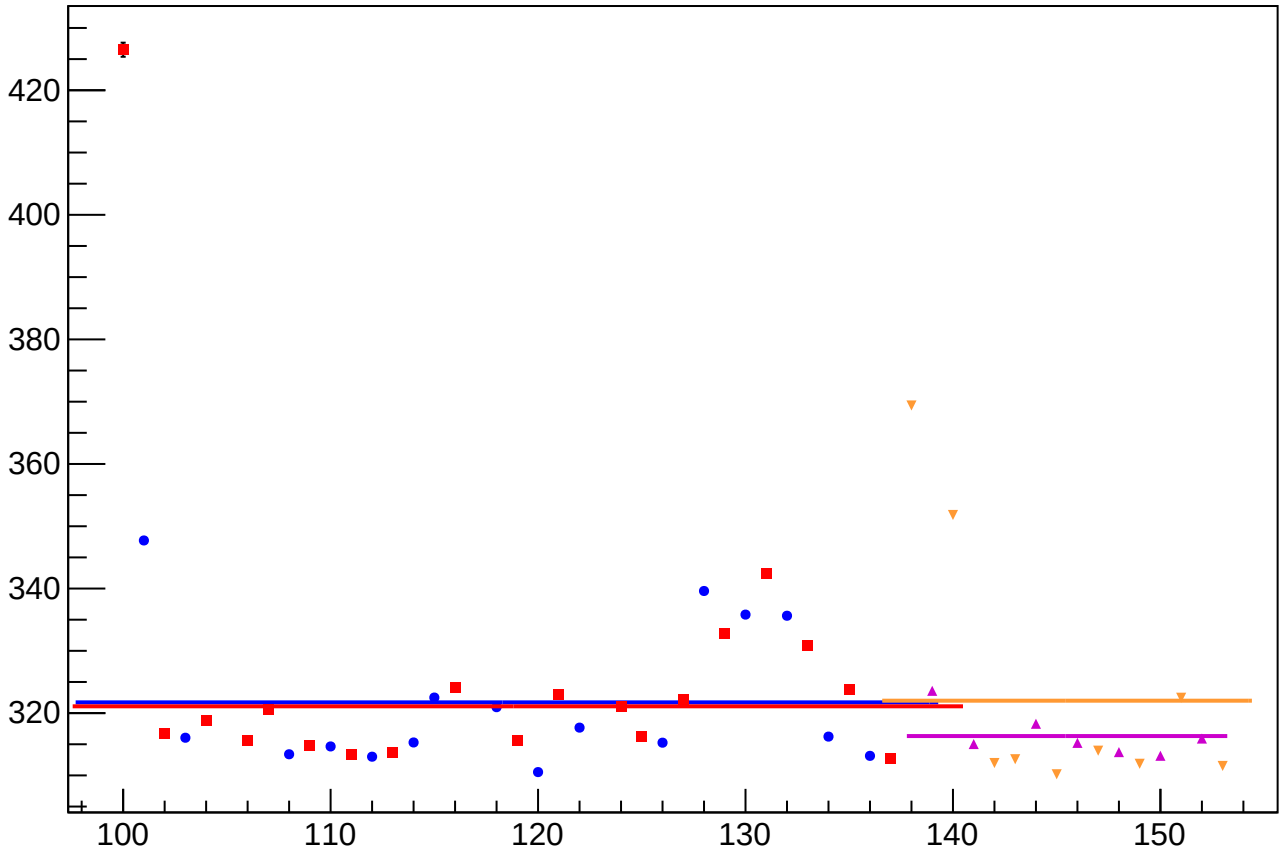
Left: 0.095+/-0.088 χ^2/NDF: 10.3/15

Right: 0.031+/-0.084 χ^2/NDF: 34.1/34

In: 0.024+/-0.088 χ^2/NDF:12.4/22

Out: 0.096+/-0.085 χ^2/NDF:31.9/27

All: 0.061+/-0.061 χ^2/NDF: 44.6/50



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 321.996+/-0.086 χ^2/NDF:46425.4/8

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

Left In: 316.317+/-0.090 χ^2/NDF:1264.8/6

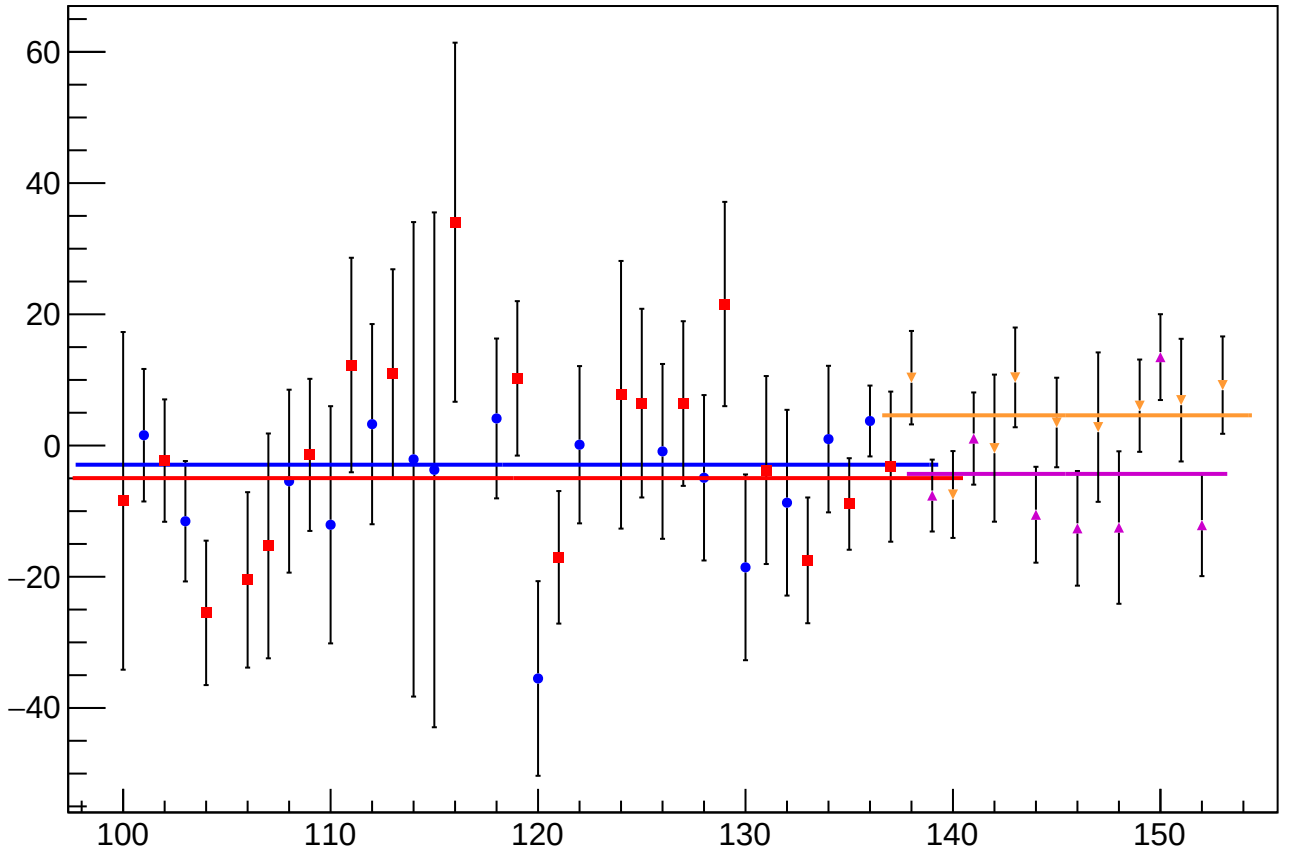
Left: 319.288+/-0.062 χ^2/NDF: 49754.4/15

Right: 321.403+/-0.059 χ^2/NDF: 34822.5/34

In: 319.190+/-0.062 χ^2/NDF:21380.9/22

Out: 321.527+/-0.060 χ^2/NDF:63061.6/27

All: 320.398+/-0.043 χ^2/NDF: 85179.0/50



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 4.608+/-2.610 χ^2/NDF:5.3/8

Right Out: -4.965+/-2.824 χ^2/NDF: 19.4/18

Left In: -4.323+/-2.745 χ^2/NDF:11.5/6

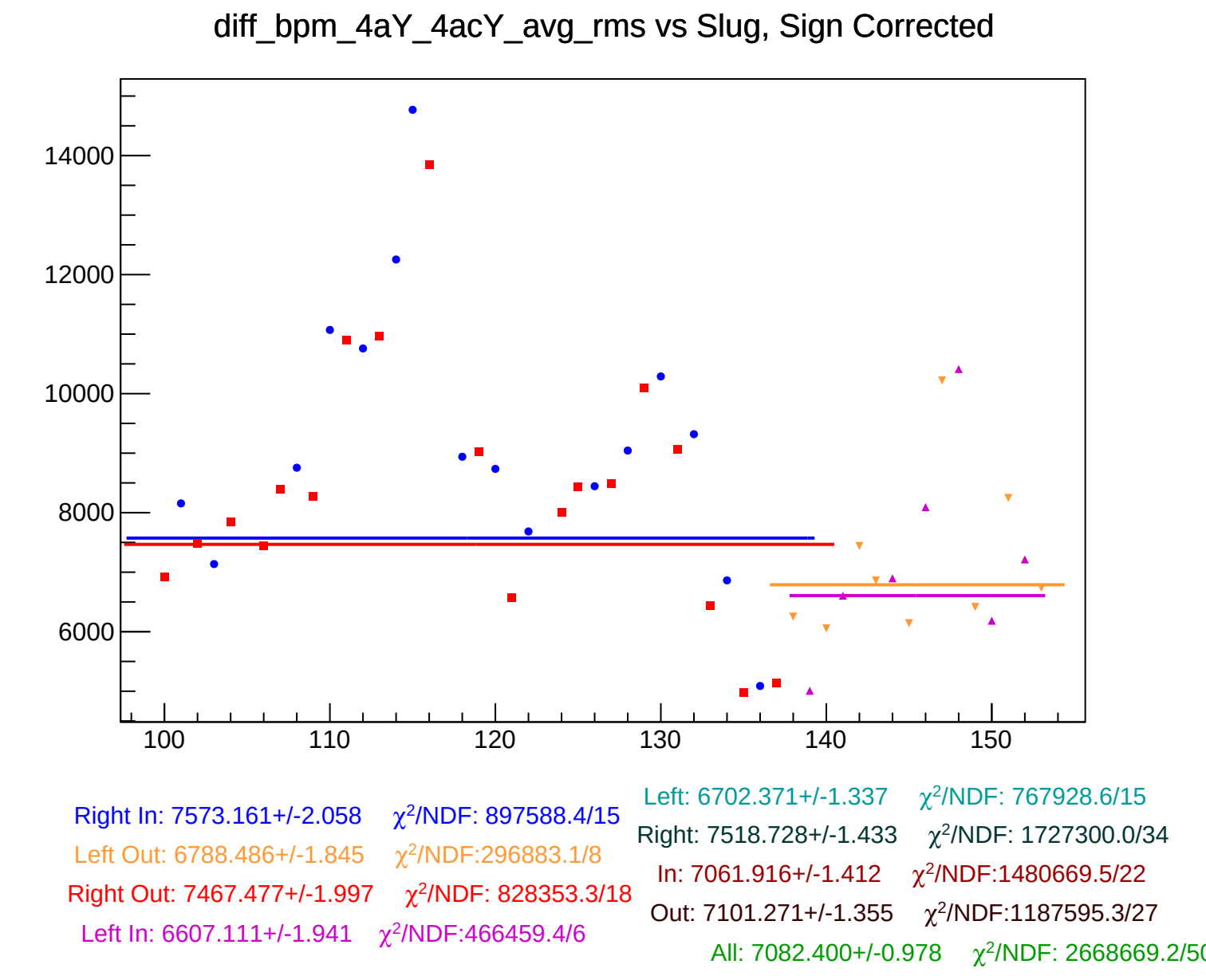
Left: 0.368+/-1.891 χ^2/NDF: 22.3/15

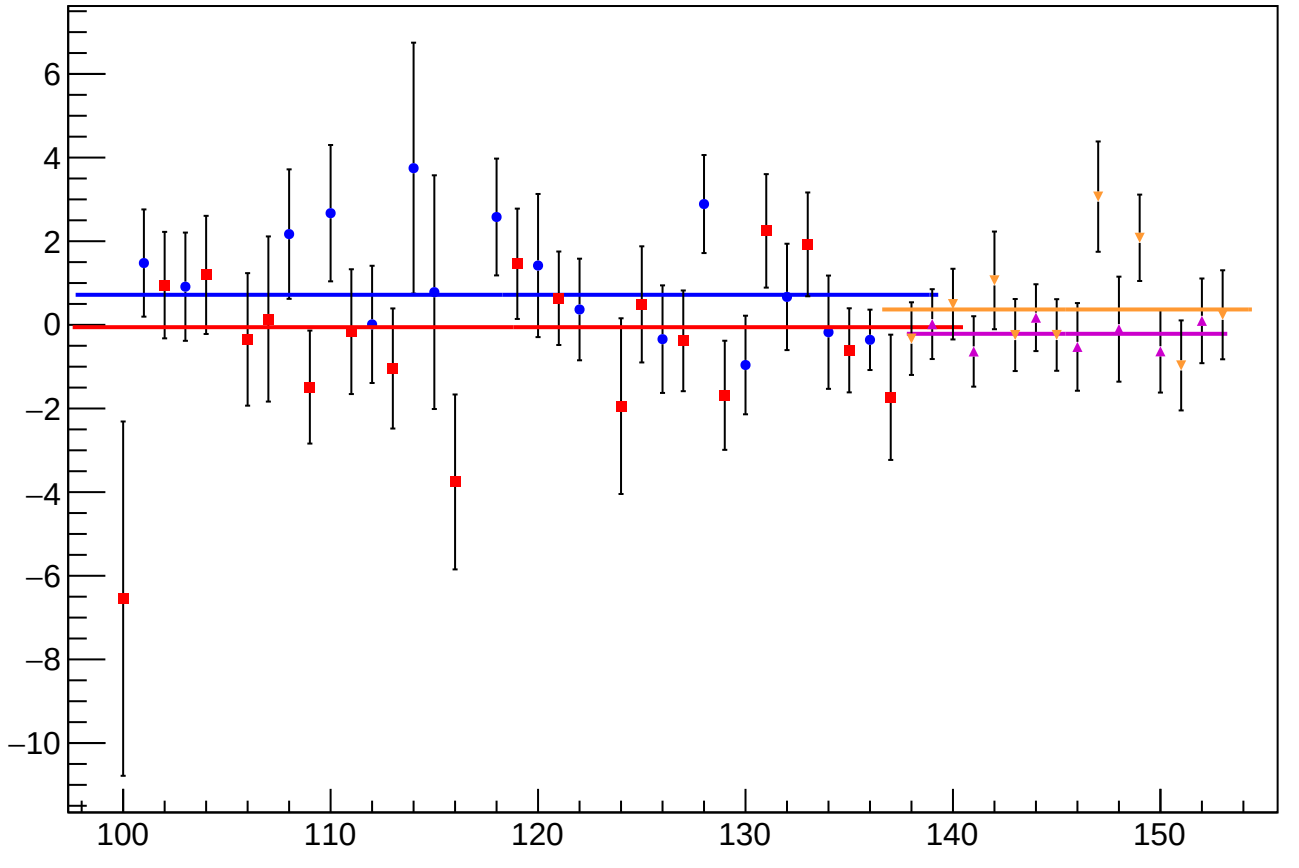
Right: -3.974+/-2.027 χ^2/NDF: 29.5/34

In: -3.663+/-1.997 χ^2/NDF:21.4/22

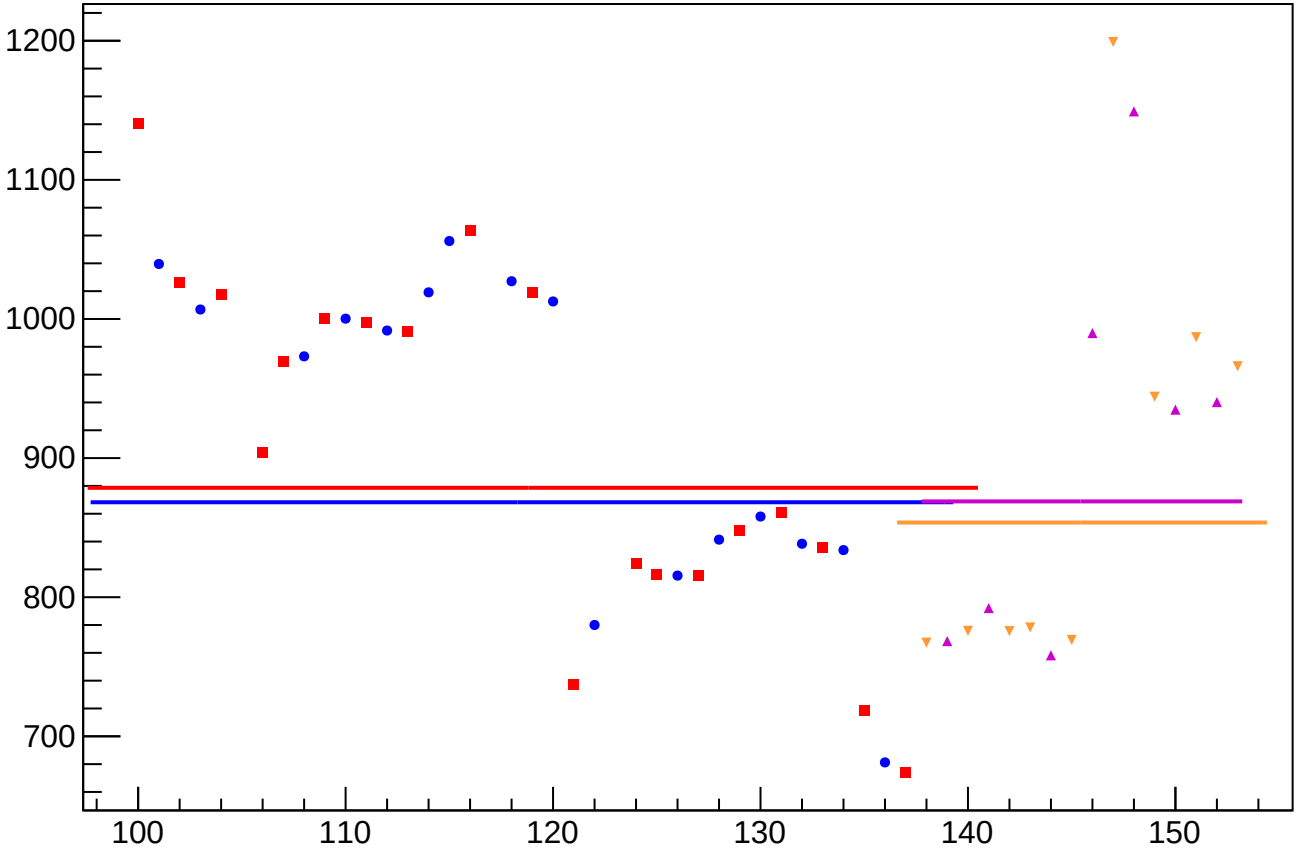
Out: 0.198+/-1.917 χ^2/NDF:30.9/27

All: -1.654+/-1.383 χ^2/NDF: 54.3/50


diff_bpm_4aY_4acY_avg_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
Right In: 7573.161+/-2.058 χ²/NDF: 897588.4/15
Left Out: 6788.486+/-1.845 χ²/NDF:296883.1/8
Right Out: 7467.477+/-1.997 χ²/NDF: 828353.3/18
Left In: 6607.111+/-1.941 χ²/NDF:466459.4/6
Left: 6702.371+/-1.337 χ²/NDF: 767928.6/15
Right: 7518.728+/-1.433 χ²/NDF: 1727300.0/34
In: 7061.916+/-1.412 χ²/NDF:1480669.5/22
Out: 7101.271+/-1.355 χ²/NDF:1187595.3/27
All: 7082.400+/-0.978 χ²/NDF: 2668669.2/50


diff_bpm_4aY_4acY_dd_mean vs Slug, Sign Corrected
6
4
2
0
−2
−4
−6
−8
−10
100
110
120
130
140
150
Right In: 0.719+/-0.326 χ²/NDF: 14.8/15
Left Out: 0.368+/-0.326 χ²/NDF:10.5/8
Right Out: -0.056+/-0.323 χ²/NDF: 19.8/18
Left In: -0.214+/-0.355 χ²/NDF:0.9/6
Left: 0.102+/-0.240 χ²/NDF: 12.9/15
Right: 0.329+/-0.230 χ²/NDF: 37.4/34
In: 0.292+/-0.240 χ²/NDF:19.5/22
Out: 0.155+/-0.229 χ²/NDF:31.2/27
All: 0.220+/-0.166 χ²/NDF: 50.8/50

diff_bpm_4aY_4acY_dd_rms vs Slug, Sign Corrected



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 853.674+/-0.230 χ^2/NDF:285958.7/8

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

Left In: 868.860+/-0.251 χ^2/NDF:229075.8/6

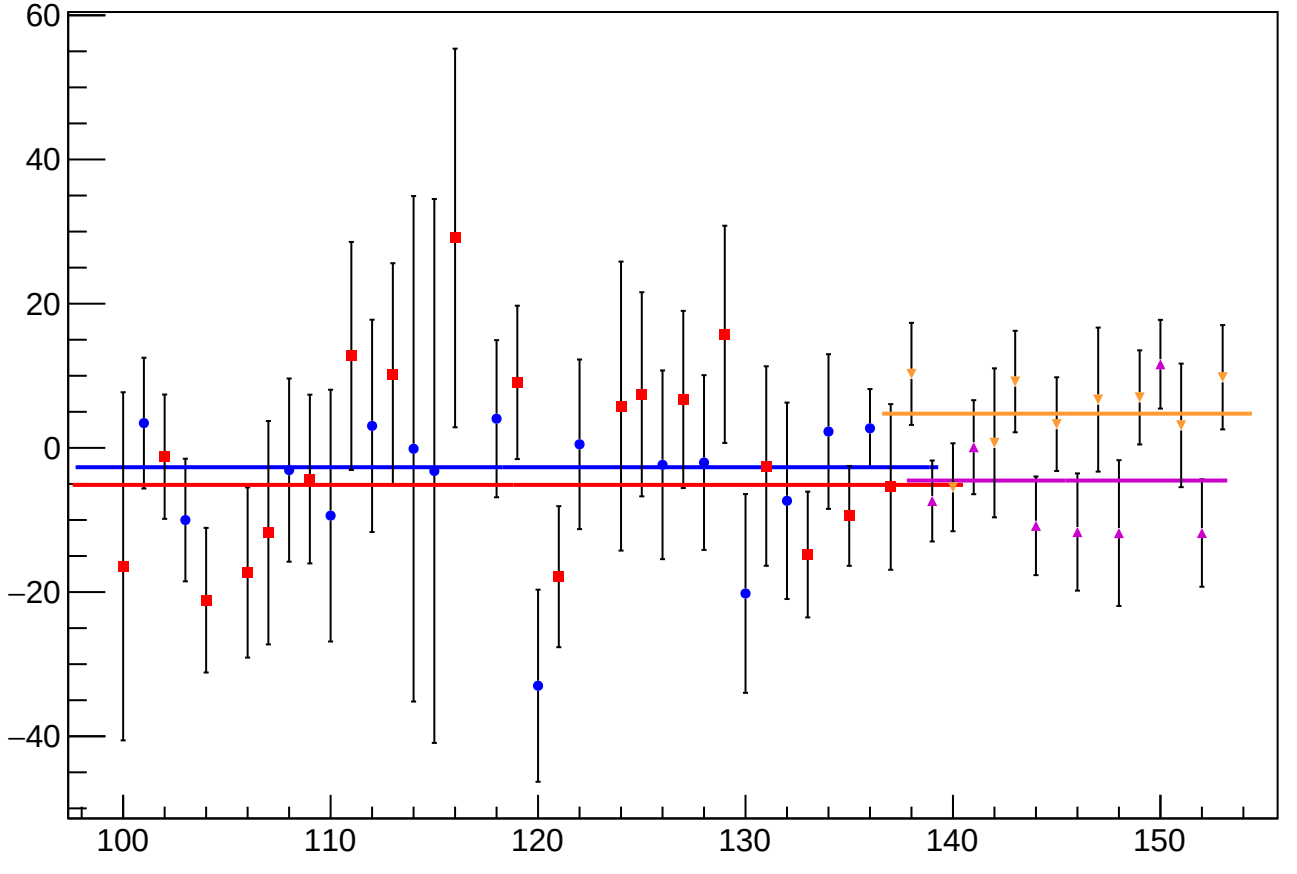
Left: 860.624+/-0.170 χ^2/NDF: 517025.0/15

Right: 873.496+/-0.162 χ^2/NDF: 575967.6/34

In: 868.531+/-0.170 χ^2/NDF:531488.6/22

Out: 866.254+/-0.162 χ^2/NDF:564417.0/27

All: 867.341+/-0.117 χ^2/NDF: 1095999.7/50



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 4.747+/-2.452 χ^2/NDF:4.7/8

Right Out: -5.136+/-2.692 χ^2/NDF: 17.3/18

Left In: -4.530+/-2.618 χ^2/NDF:10.7/6

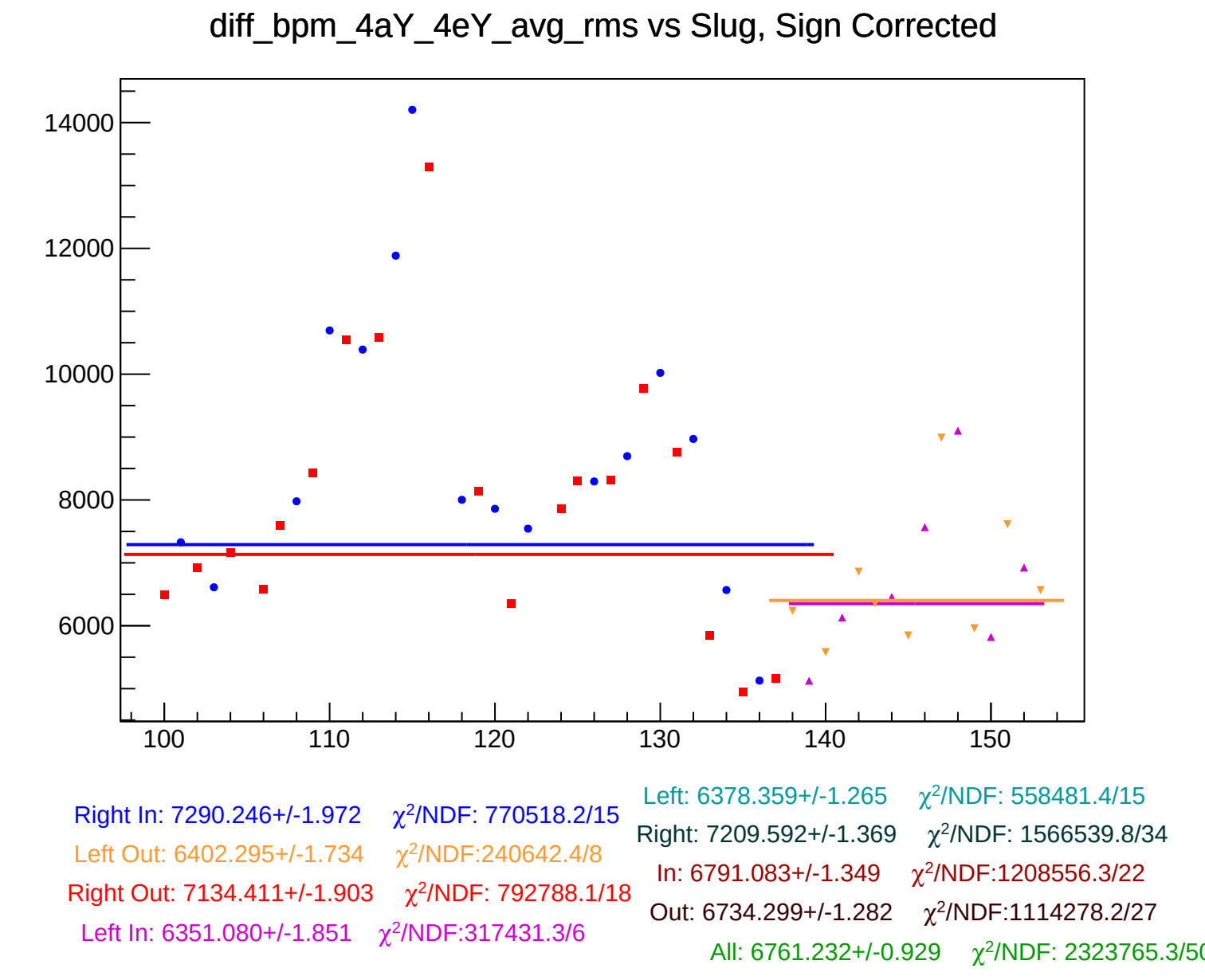
Left: 0.411+/-1.790 χ^2/NDF: 22.1/15

Right: -3.953+/-1.937 χ^2/NDF: 27.7/34

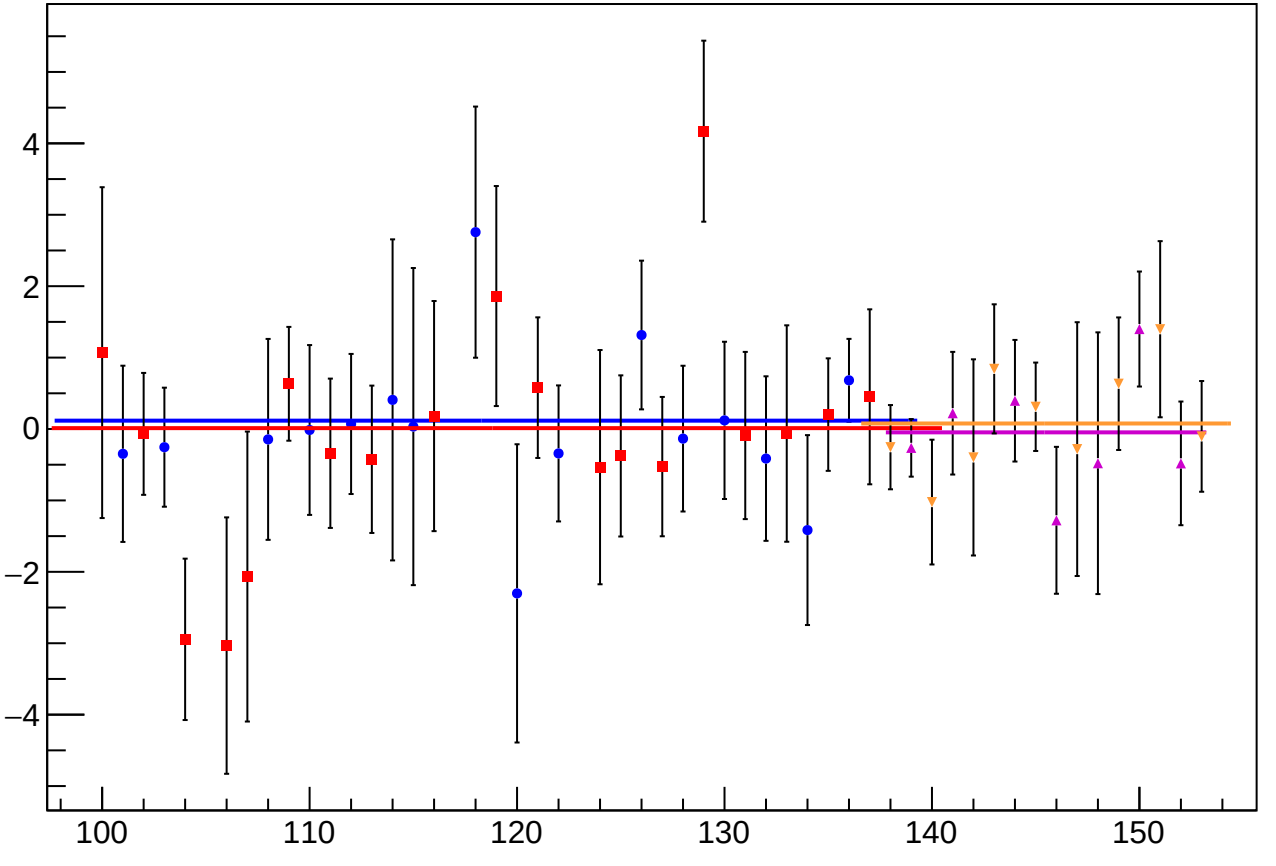
In: -3.665+/-1.908 χ^2/NDF:21.0/22

Out: 0.265+/-1.813 χ^2/NDF:29.3/27

All: -1.599+/-1.314 χ^2/NDF: 52.6/50


diff_bpm_4aY_4eY_avg_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
Right In: 7290.246+/-1.972 χ²/NDF: 770518.2/15
Left Out: 6402.295+/-1.734 χ²/NDF:240642.4/8
Right Out: 7134.411+/-1.903 χ²/NDF: 792788.1/18
Left In: 6351.080+/-1.851 χ²/NDF:317431.3/6
Left: 6378.359+/-1.265 χ²/NDF: 558481.4/15
Right: 7209.592+/-1.369 χ²/NDF: 1566539.8/34
In: 6791.083+/-1.349 χ²/NDF:1208556.3/22
Out: 6734.299+/-1.282 χ²/NDF:1114278.2/27
All: 6761.232+/-0.929 χ²/NDF: 2323765.3/50

diff_bpm_4aY_4eY_dd_mean vs Slug, Sign Corrected



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: 0.077+/-0.285 χ^2/NDF:4.5/8

Right Out: 0.012+/-0.263 χ^2/NDF: 25.2/18

Left In: -0.047+/-0.277 χ^2/NDF:5.6/6

Left: 0.014+/-0.199 χ^2/NDF: 10.2/15

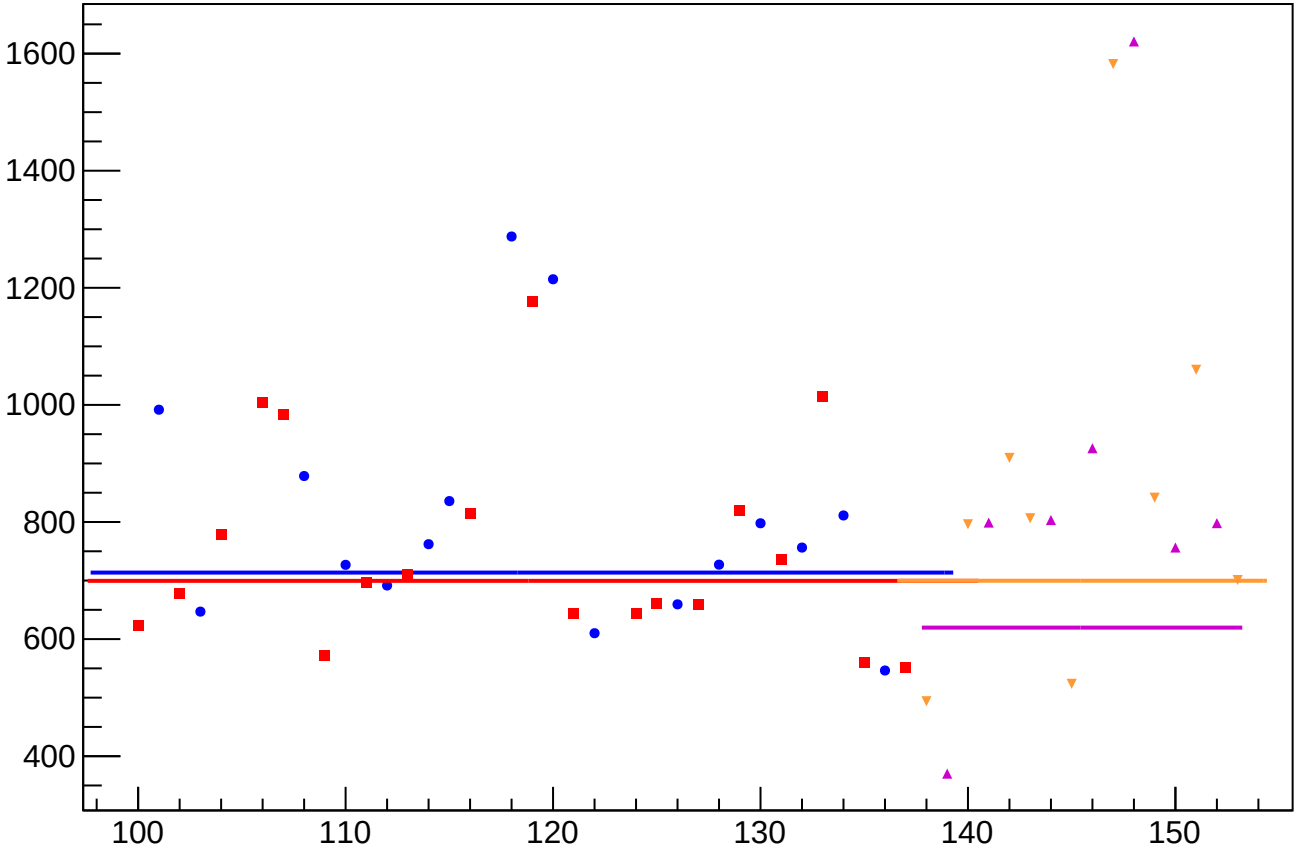
Right: 0.063+/-0.190 χ^2/NDF: 33.4/34

In: 0.036+/-0.195 χ^2/NDF:13.9/22

Out: 0.042+/-0.193 χ^2/NDF:29.7/27

All: 0.039+/-0.137 χ^2/NDF: 43.6/50

diff_bpm_4aY_4eY_dd_rms vs Slug, Sign Corrected



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 699.688+/-0.201 χ^2/NDF:1215049.4/8

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

Left In: 619.615+/-0.196 χ^2/NDF:1862573.2/6

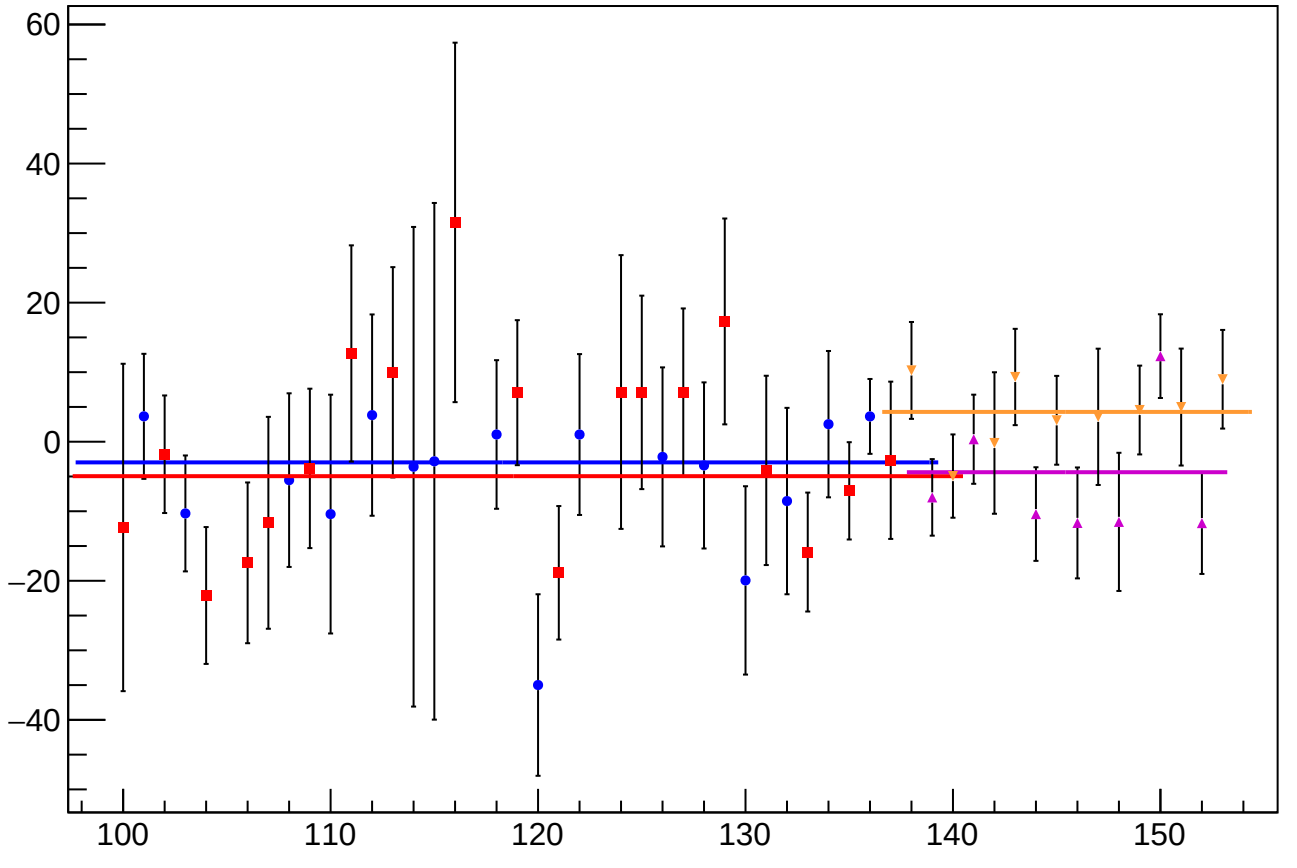
Left: 658.615+/-0.140 χ^2/NDF: 3158836.5/15

Right: 706.303+/-0.134 χ^2/NDF: 1277836.8/34

In: 667.331+/-0.138 χ^2/NDF:2678537.6/22

Out: 699.588+/-0.137 χ^2/NDF:1790809.7/27

All: 683.574+/-0.097 χ^2/NDF: 4497016.7/50



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 4.286+/-2.408 χ^2/NDF:4.3/8

Right Out: -4.955+/-2.653 χ^2/NDF: 18.5/18

Left In: -4.386+/-2.569 χ^2/NDF:11.8/6

Left: 0.230+/-1.757 χ^2/NDF: 22.2/15

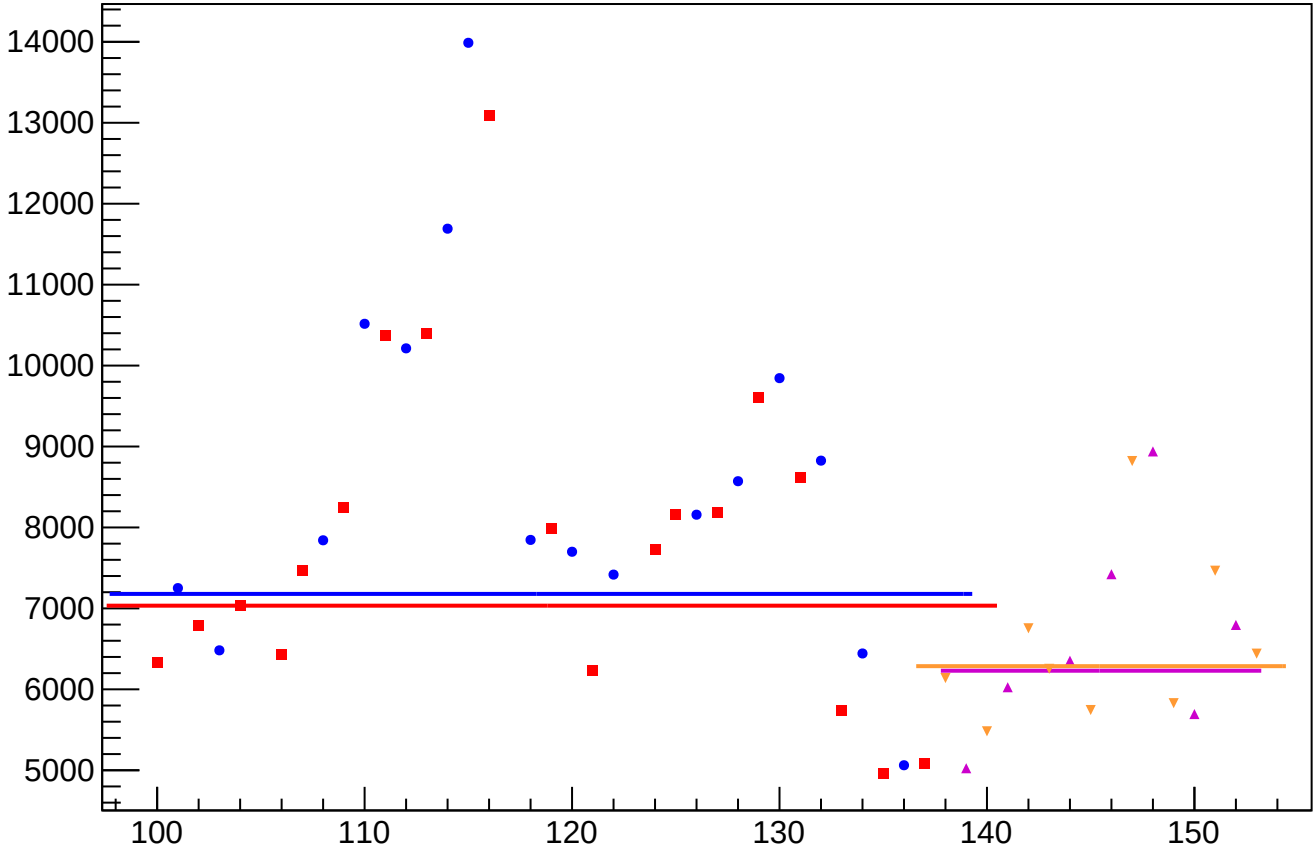
Right: -3.999+/-1.908 χ^2/NDF: 30.3/34

In: -3.727+/-1.876 χ^2/NDF:23.5/22

Out: 0.112+/-1.783 χ^2/NDF:29.4/27

All: -1.710+/-1.292 χ^2/NDF: 55.2/50

diff_bpm_4aY_4ecY_avg_rms vs Slug, Sign Corrected



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6286.219+/-1.703 χ^2/NDF:240008.4/8

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

Left In: 6229.900+/-1.816 χ^2/NDF:319806.1/6

Left: 6259.875+/-1.242 χ^2/NDF: 560326.2/15

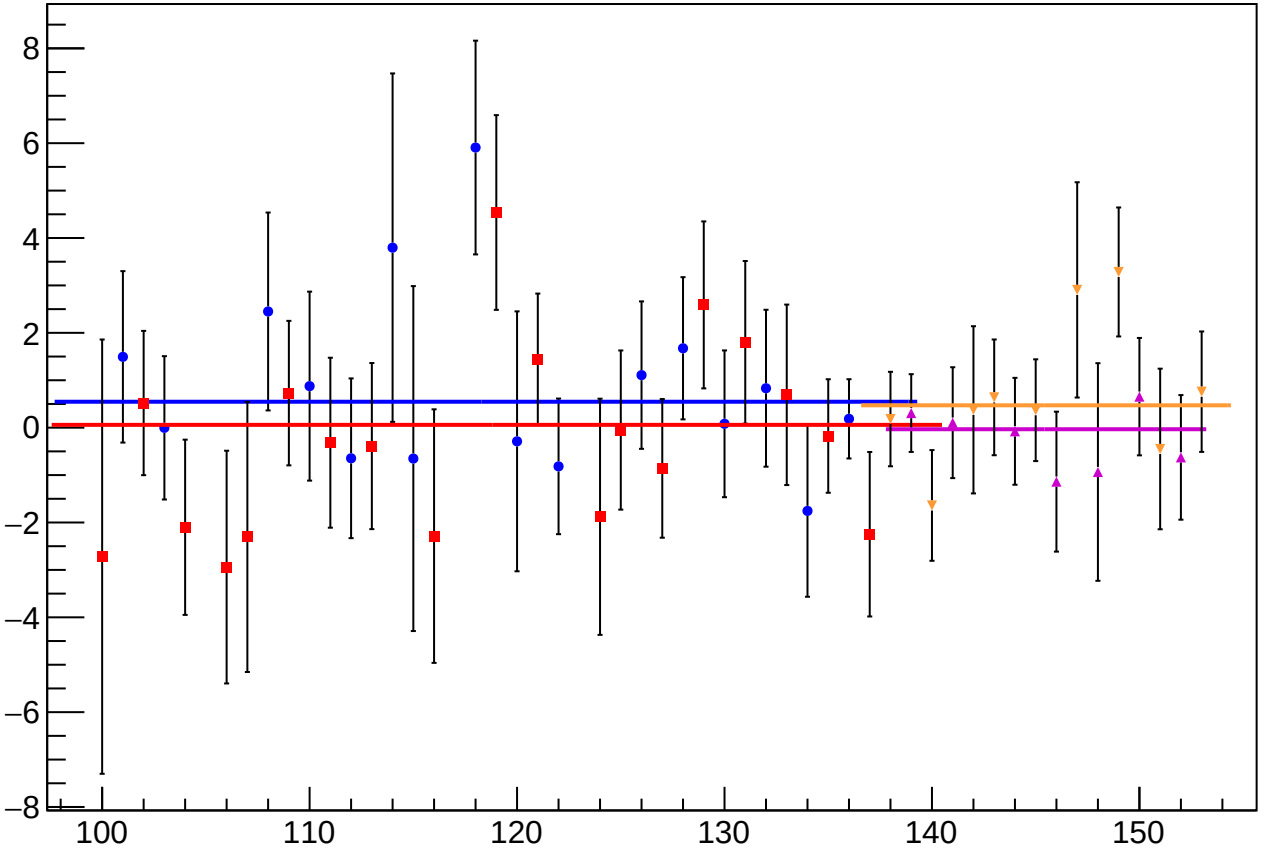
Right: 7103.732+/-1.349 χ^2/NDF: 1531224.9/34

In: 6672.757+/-1.326 χ^2/NDF:1209146.8/22

Out: 6623.763+/-1.261 χ^2/NDF:1093402.5/27

All: 6647.019+/-0.914 χ^2/NDF: 2303266.0/50

diff_bpm_4aY_4ecY_dd_mean vs Slug, Sign Corrected



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: 0.472+/-0.434 χ^2/NDF:9.2/8

Right Out: 0.059+/-0.409 χ^2/NDF: 16.9/18

Left In: -0.033+/-0.452 χ^2/NDF:1.4/6

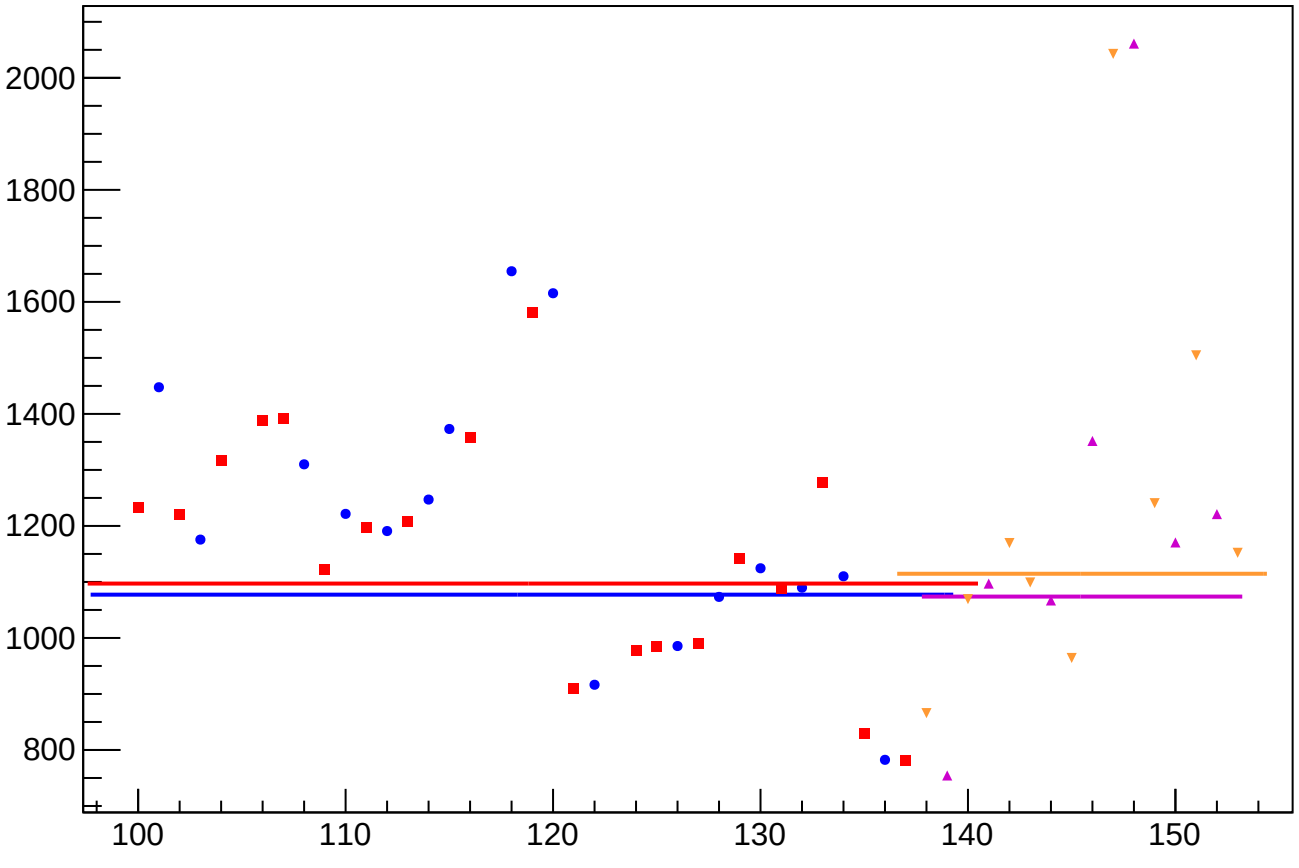
Left: 0.230+/-0.313 χ^2/NDF: 11.2/15

Right: 0.302+/-0.290 χ^2/NDF: 29.5/34

In: 0.285+/-0.304 χ^2/NDF:14.3/22

Out: 0.253+/-0.298 χ^2/NDF:26.5/27

All: 0.269+/-0.213 χ^2/NDF: 40.8/50



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1114.616+/-0.307 χ^2/NDF:628498.1/8

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

Left In: 1073.863+/-0.320 χ^2/NDF:782603.0/6

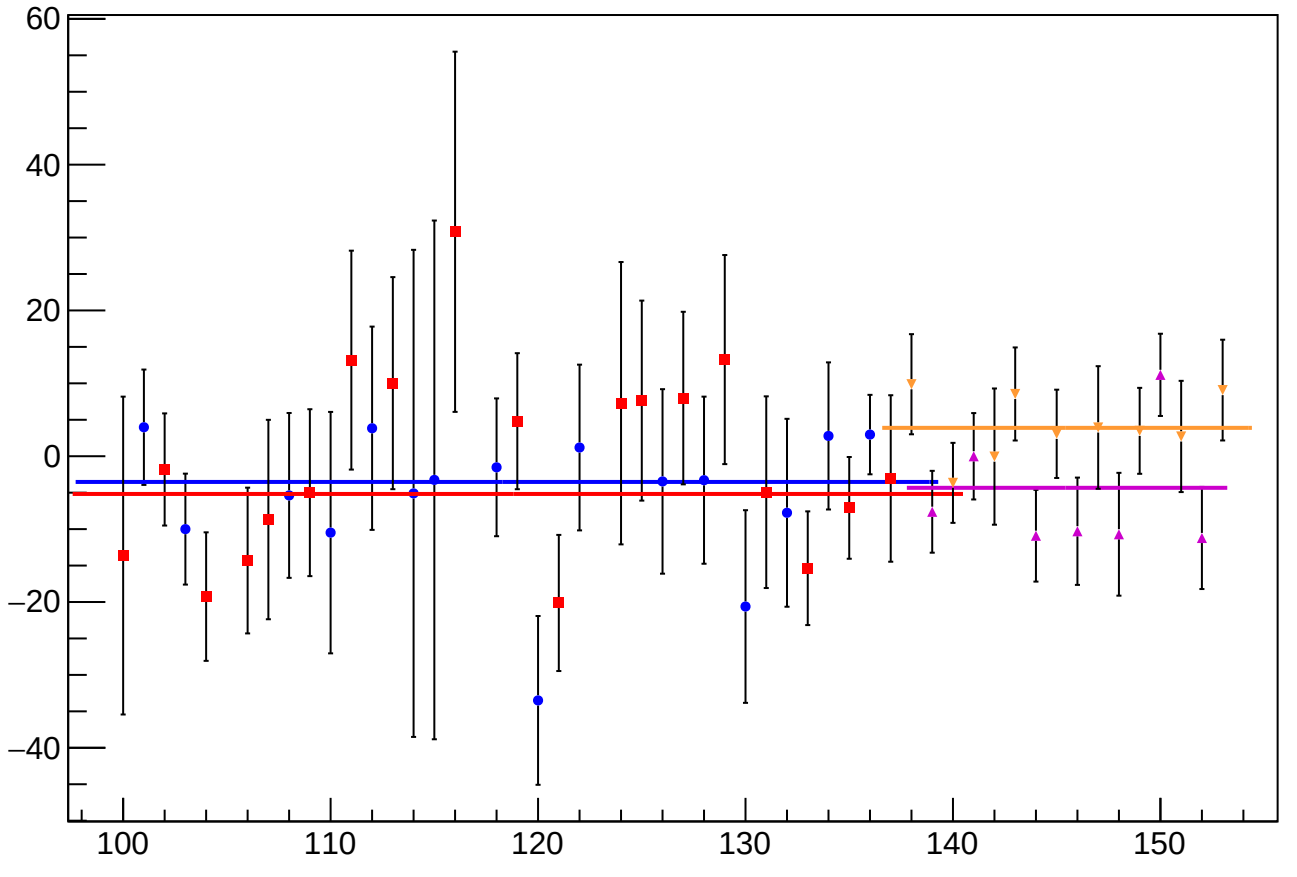
Left: 1095.079+/-0.221 χ^2/NDF: 1419550.7/15

Right: 1087.256+/-0.205 χ^2/NDF: 1133226.7/34

In: 1075.750+/-0.215 χ^2/NDF:1429188.2/22

Out: 1105.338+/-0.210 χ^2/NDF:1114592.9/27

All: 1090.864+/-0.150 χ^2/NDF: 2553449.7/50



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 3.892+/-2.244 χ^2/NDF:4.0/8

Right Out: -5.176+/-2.508 χ^2/NDF: 18.2/18

Left In: -4.334+/-2.427 χ^2/NDF:11.7/6

Left: 0.102+/-1.647 χ^2/NDF: 21.9/15

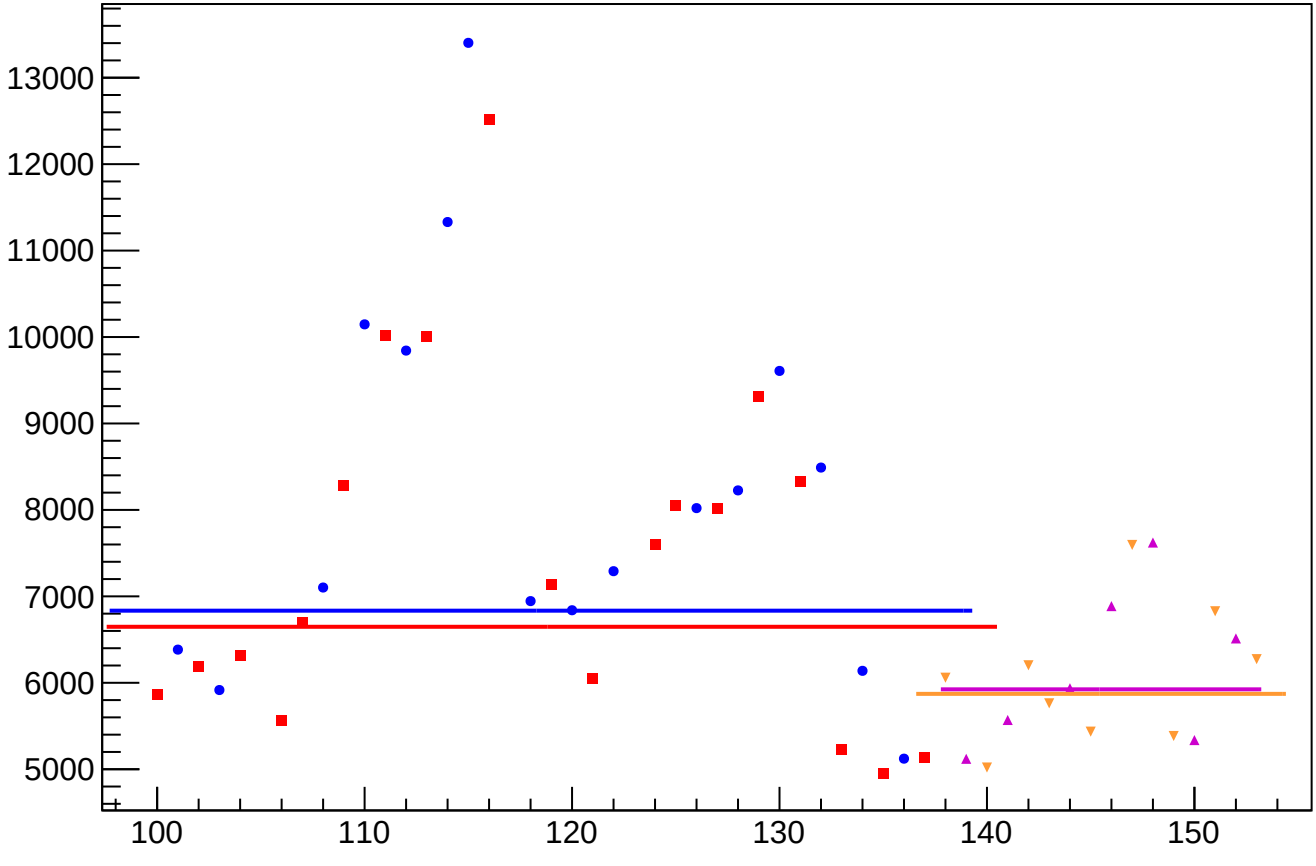
Right: -4.384+/-1.808 χ^2/NDF: 31.0/34

In: -3.959+/-1.777 χ^2/NDF:24.4/22

Out: -0.139+/-1.672 χ^2/NDF:29.4/27

All: -1.933+/-1.218 χ^2/NDF: 56.3/50

diff_bpm_4eY_4ecY_avg_rms vs Slug, Sign Corrected



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 5872.004+/-1.586 χ^2/NDF:198926.6/8

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

Left In: 5924.359+/-1.716 χ^2/NDF:199369.3/6

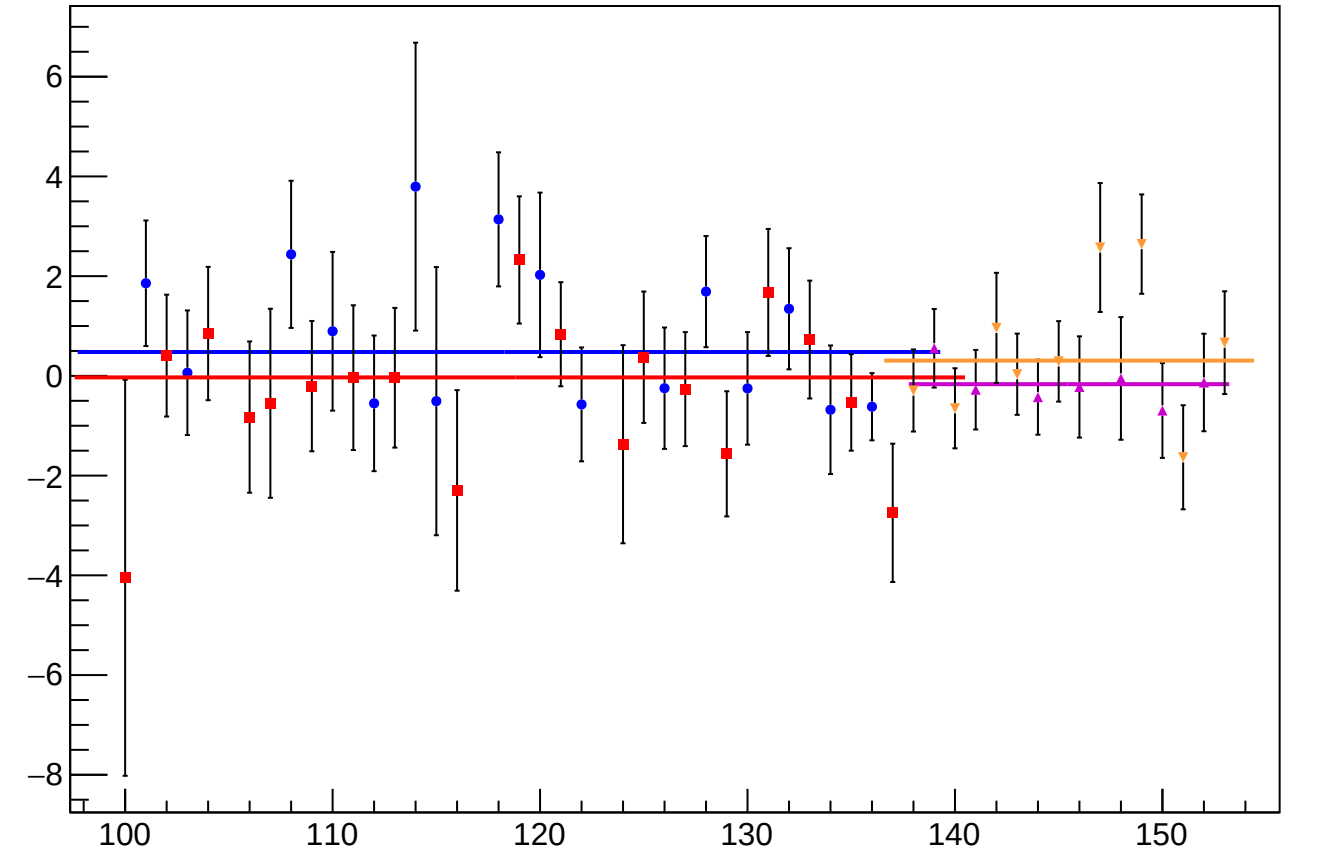
Left: 5896.131+/-1.165 χ^2/NDF: 398797.8/15

Right: 6737.523+/-1.278 χ^2/NDF: 1483130.1/34

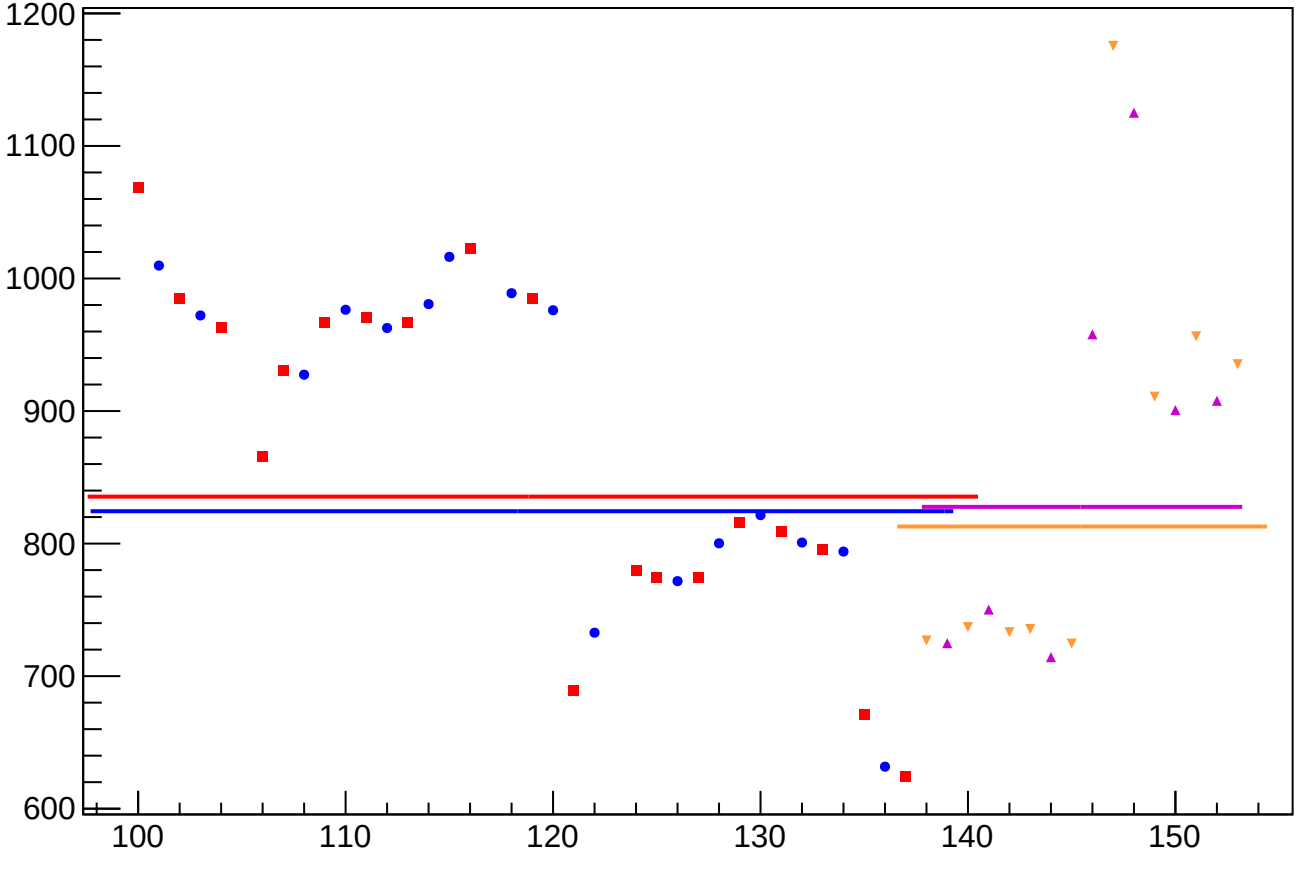
In: 6346.611+/-1.256 χ^2/NDF:1022583.5/22

Out: 6216.947+/-1.182 χ^2/NDF:1090388.2/27

All: 6277.853+/-0.861 χ^2/NDF: 2118620.8/50


diff_bpm_4eY_4ecY_dd_mean vs Slug, Sign Corrected
6
4
2
0
−2
−4
−6
−8
100
110
120
130
140
150
Right In: 0.479+/-0.311 χ²/NDF: 16.7/15
Left Out: 0.307+/-0.311 χ²/NDF:14.6/8
Right Out: -0.030+/-0.309 χ²/NDF: 15.7/18
Left In: -0.166+/-0.338 χ²/NDF:1.3/6
Left: 0.090+/-0.229 χ²/NDF: 16.9/15
Right: 0.222+/-0.219 χ²/NDF: 33.8/34
In: 0.184+/-0.229 χ²/NDF:20.0/22
Out: 0.137+/-0.219 χ²/NDF:30.9/27
All: 0.159+/-0.158 χ²/NDF: 50.9/50

diff_bpm_4eY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 812.879+/-0.220 χ^2/NDF:334798.7/8

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

Left In: 827.713+/-0.239 χ^2/NDF:273332.1/6

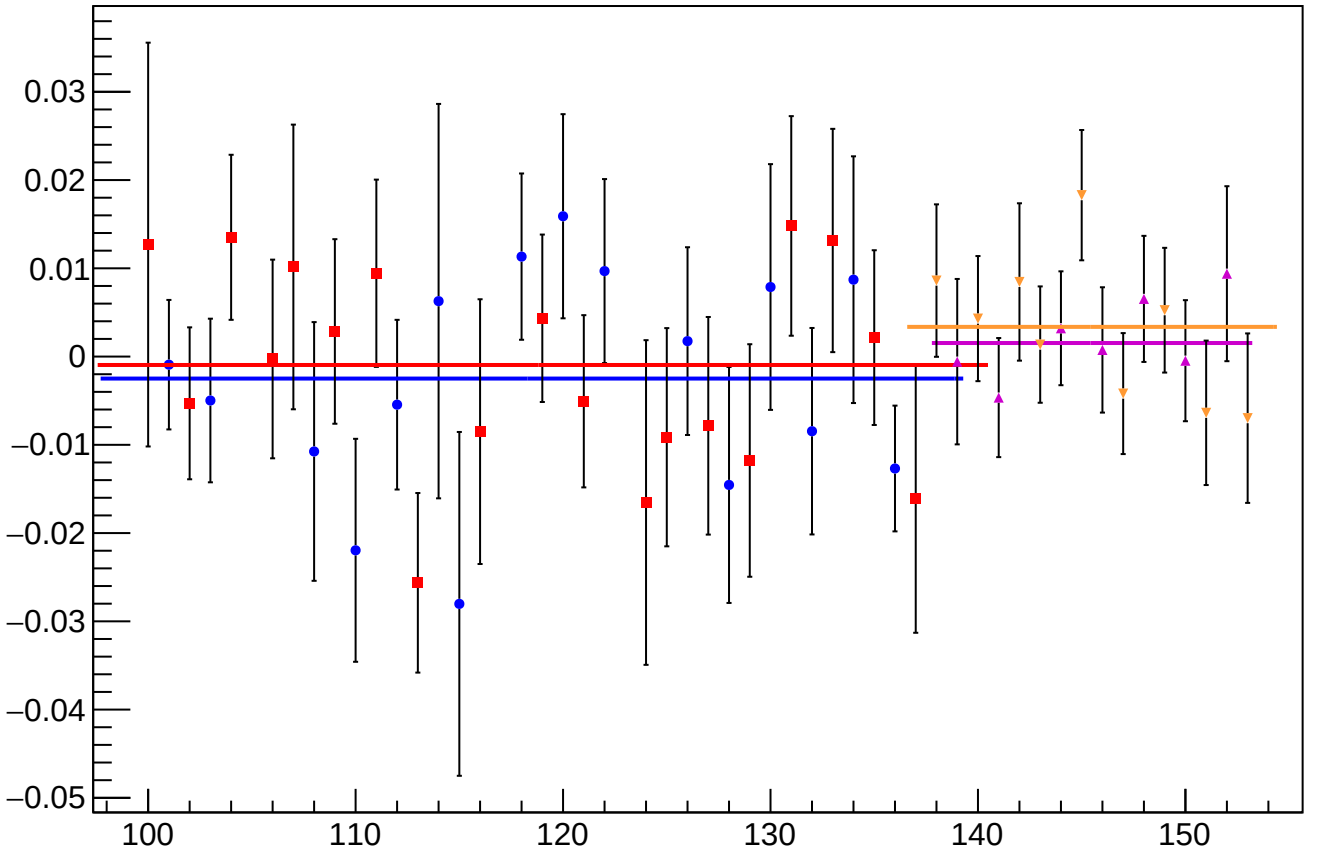
Left: 819.664+/-0.162 χ^2/NDF: 610215.8/15

Right: 829.974+/-0.155 χ^2/NDF: 686027.0/34

In: 825.933+/-0.162 χ^2/NDF:638895.9/22

Out: 824.237+/-0.155 χ^2/NDF:659408.4/27

All: 825.047+/-0.112 χ^2/NDF: 1298361.6/50



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.003+/-0.003 χ^2/NDF:8.8/8

Right Out: -0.001+/-0.003 χ^2/NDF: 17.3/18

Left In: 0.002+/-0.003 χ^2/NDF:2.2/6

Left: 0.003+/-0.002 χ^2/NDF: 11.2/15

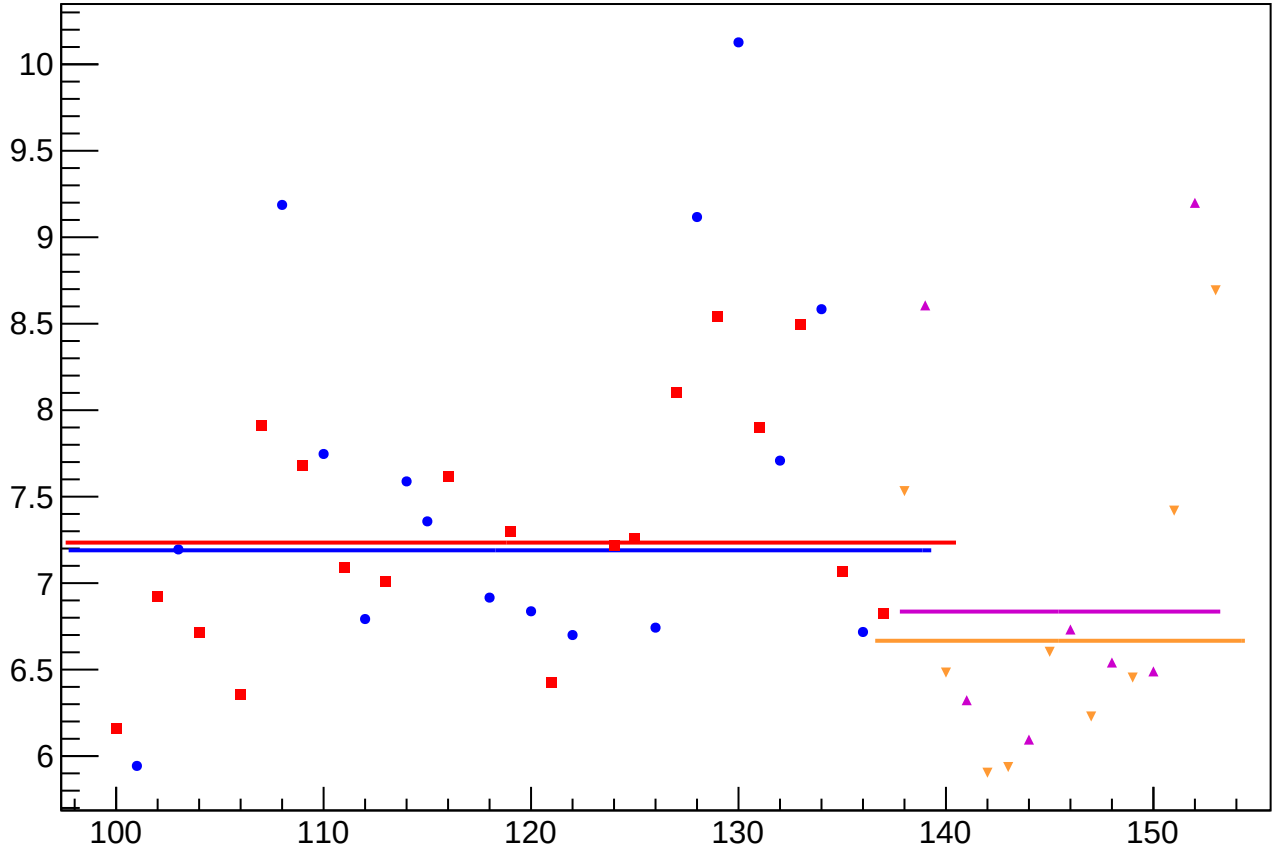
Right: -0.002+/-0.002 χ^2/NDF: 32.8/34

In: -0.001+/-0.002 χ^2/NDF:18.5/22

Out: 0.001+/-0.002 χ^2/NDF:27.4/27

All: 0.000+/-0.001 χ^2/NDF: 46.4/50

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 6.667+/-0.002 χ^2/NDF:176717.7/8

Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 6.836+/-0.002 χ^2/NDF:231846.7/6

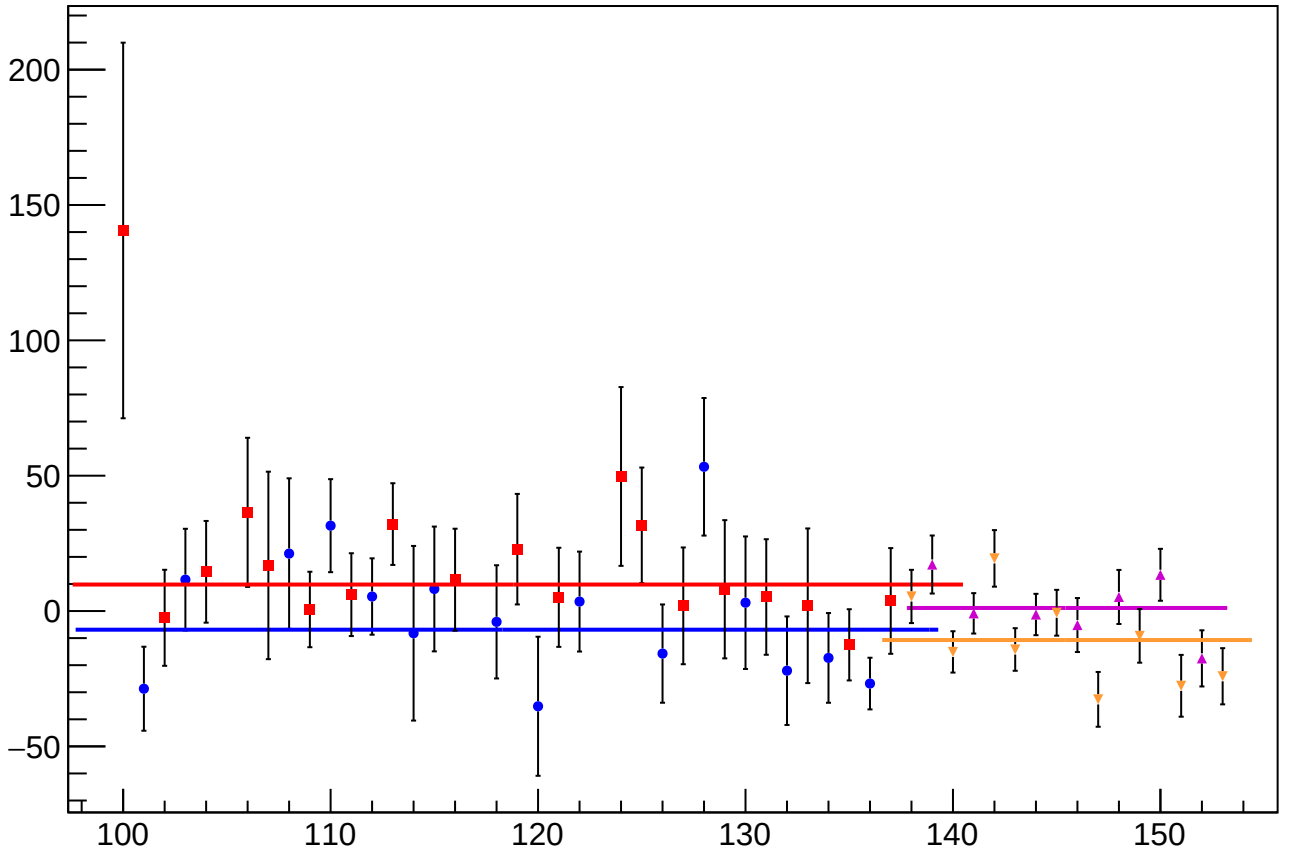
Left: 6.743+/-0.001 χ^2/NDF: 412555.1/15

Right: 7.213+/-0.001 χ^2/NDF: 384182.4/34

In: 7.018+/-0.001 χ^2/NDF:526069.4/22

Out: 6.938+/-0.001 χ^2/NDF:330552.7/27

All: 6.976+/-0.001 χ^2/NDF: 858402.2/50



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -10.715+/-3.106 χ^2/NDF:21.5/8

Right Out: 9.790+/-4.517 χ^2/NDF: 14.0/18

Left In: 1.135+/-3.449 χ^2/NDF:7.8/6

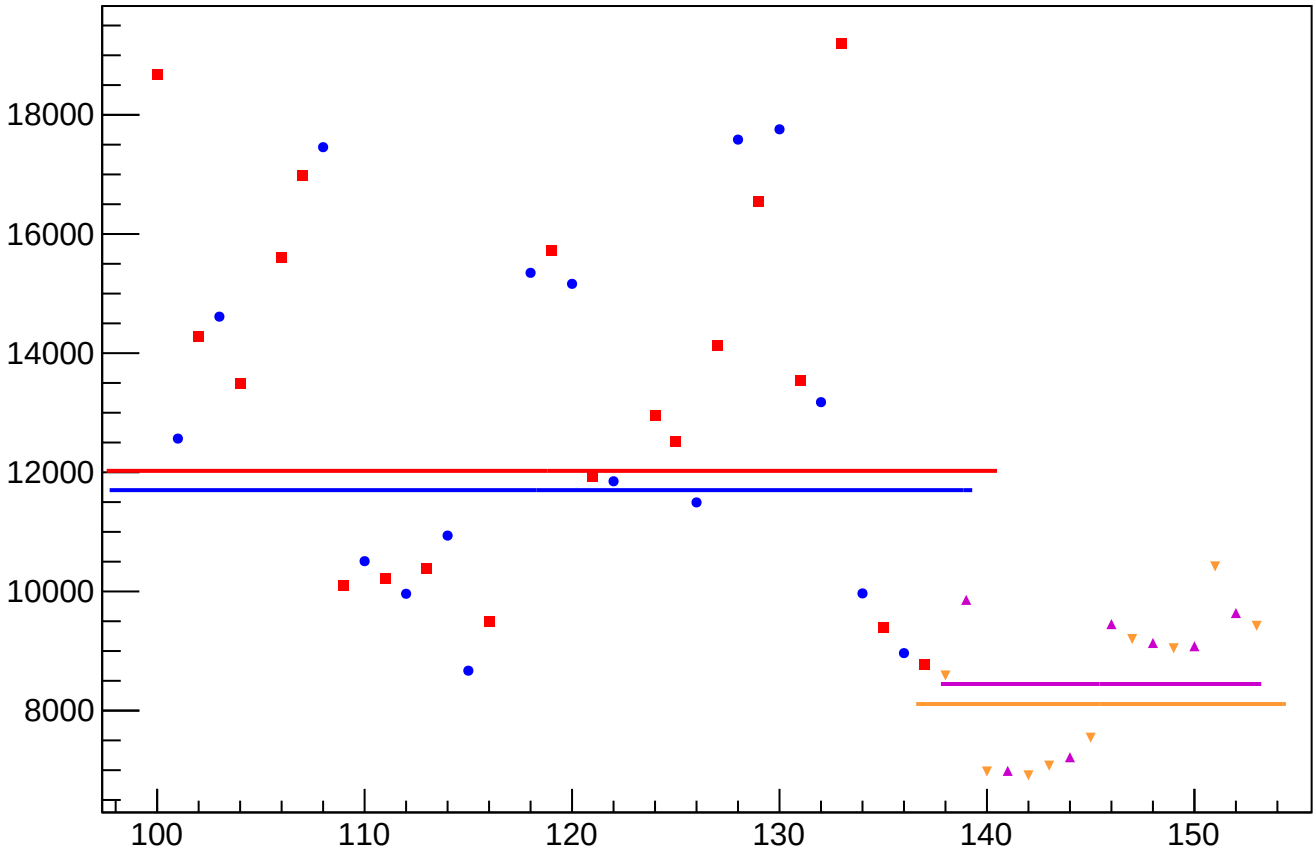
Left: -5.410+/-2.308 χ^2/NDF: 35.9/15

Right: 1.396+/-3.184 χ^2/NDF: 43.9/34

In: -1.845+/-2.735 χ^2/NDF:32.9/22

Out: -4.134+/-2.559 χ^2/NDF:49.5/27

All: -3.065+/-1.869 χ^2/NDF: 82.7/50



Right In: 11700.622+/-3.174 χ^2/NDF: 740185.3/15

Left Out: 8110.472+/-2.196 χ^2/NDF:273529.4/8

Right Out: 12024.262+/-3.194 χ^2/NDF: 684788.9/18

Left In: 8446.860+/-2.439 χ^2/NDF:227838.2/6

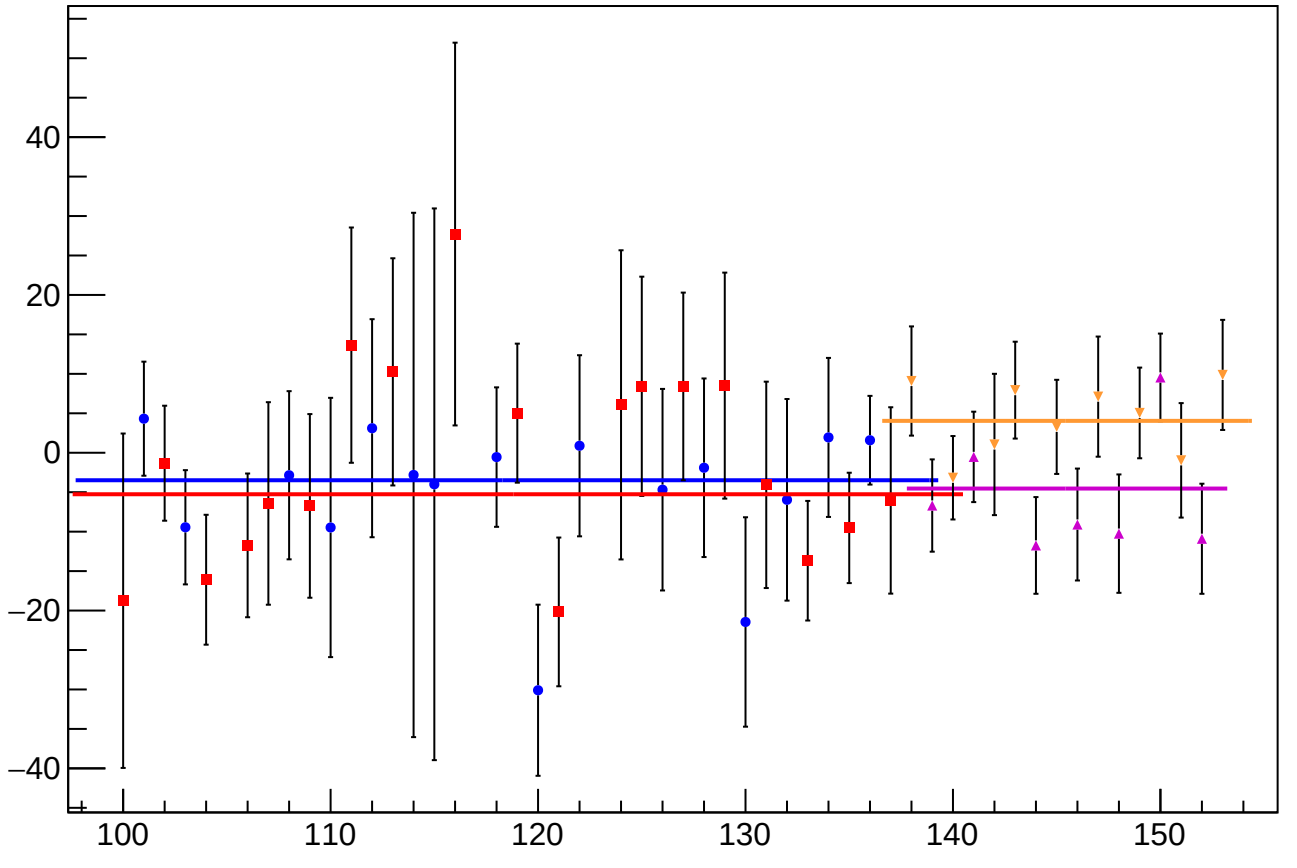
Left: 8261.075+/-1.632 χ^2/NDF: 511873.2/15

Right: 11861.399+/-2.251 χ^2/NDF: 1430140.0/34

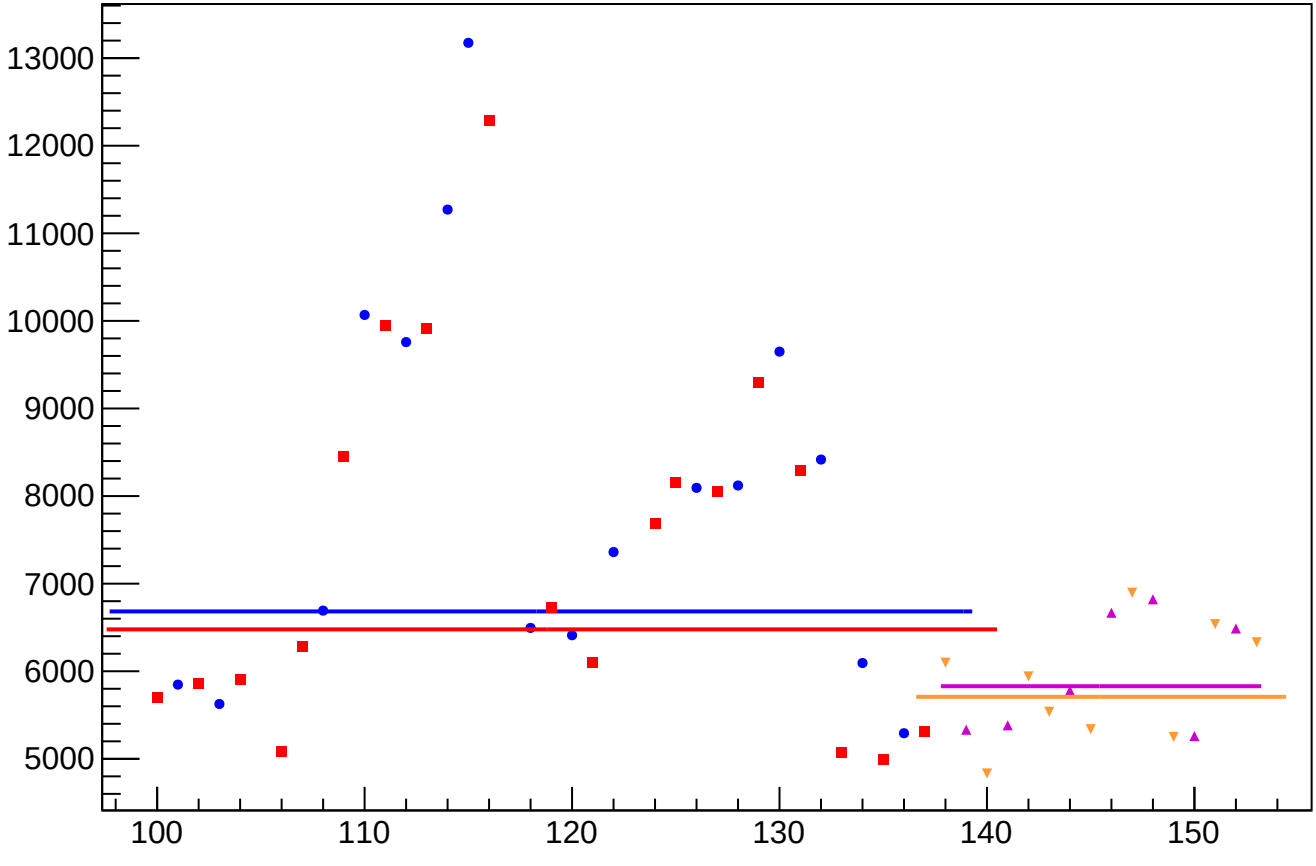
In: 9654.990+/-1.934 χ^2/NDF:1628825.1/22

Out: 9366.562+/-1.810 χ^2/NDF:1977762.8/27

All: 9501.209+/-1.321 χ^2/NDF: 3618447.5/50


diff_targ_positionY_mean vs Slug, Sign Corrected
40
20
0
−20
−40
100
110
120
130
140
150
Right In: -3.485+/-2.550 χ²/NDF: 11.5/15
Left Out: 4.042+/-2.178 χ²/NDF:4.3/8
Right Out: -5.259+/-2.446 χ²/NDF: 16.6/18
Left In: -4.537+/-2.378 χ²/NDF:10.2/6
Left: 0.128+/-1.606 χ²/NDF: 21.6/15
Right: -4.409+/-1.765 χ²/NDF: 28.3/34
In: -4.048+/-1.739 χ²/NDF:21.8/22
Out: -0.070+/-1.627 χ²/NDF:29.0/27
All: -1.927+/-1.188 χ²/NDF: 53.6/50

diff_targ_positionY_rms vs Slug, Sign Corrected



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 5708.092+/-1.540 χ^2/NDF:175299.4/8

Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

Left In: 5829.179+/-1.681 χ^2/NDF:128466.4/6

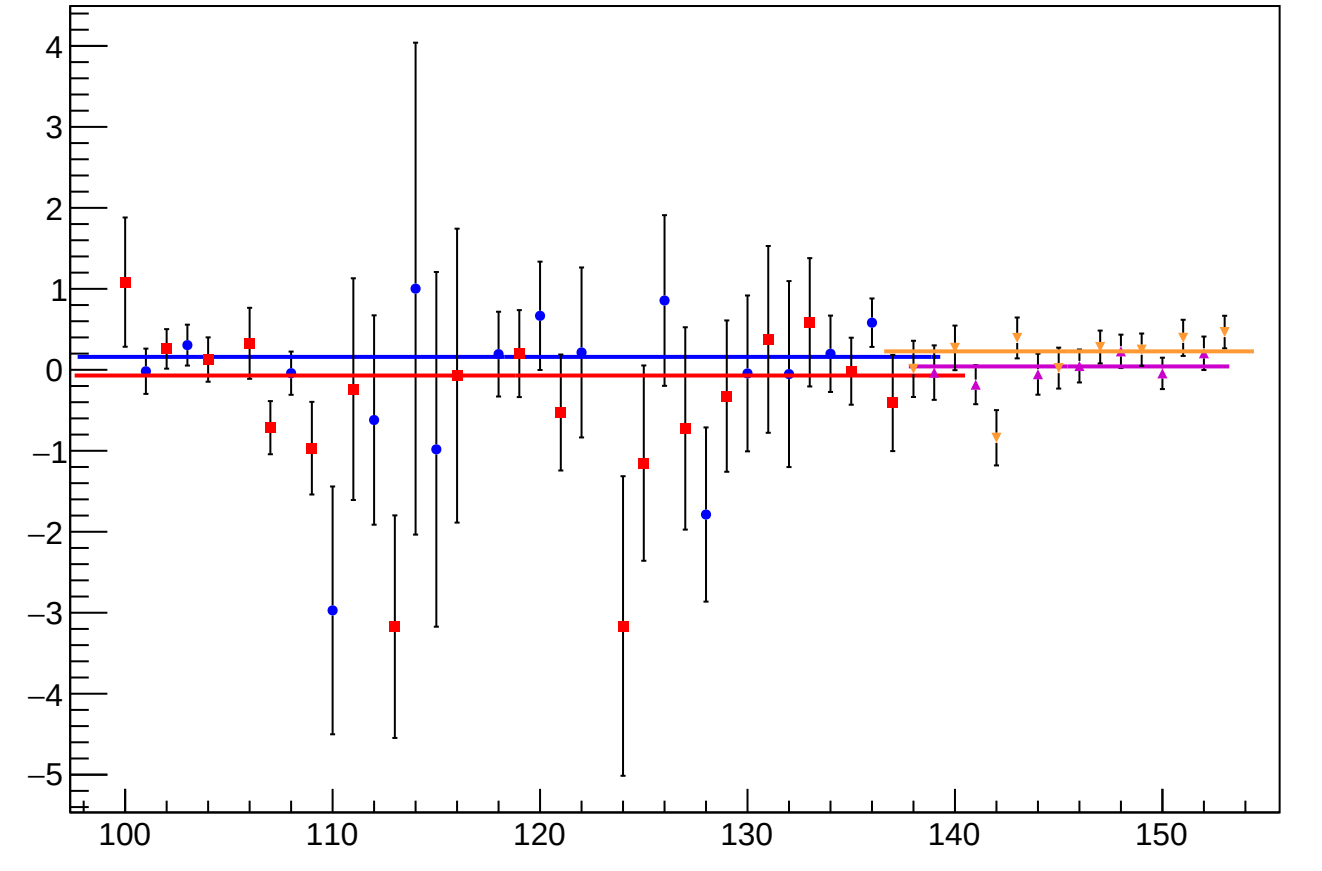
Left: 5763.331+/-1.136 χ^2/NDF: 306586.5/15

Right: 6576.323+/-1.248 χ^2/NDF: 1538150.0/34

In: 6226.328+/-1.230 χ^2/NDF:940624.1/22

Out: 6048.532+/-1.150 χ^2/NDF:1125078.6/27

All: 6131.504+/-0.840 χ^2/NDF: 2076853.8/50



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.228+/-0.080 χ^2/NDF:13.3/8

Right Out: -0.070+/-0.120 χ^2/NDF: 22.5/18

Left In: 0.042+/-0.085 χ^2/NDF:2.7/6

Left: 0.140+/-0.058 χ^2/NDF: 18.6/15

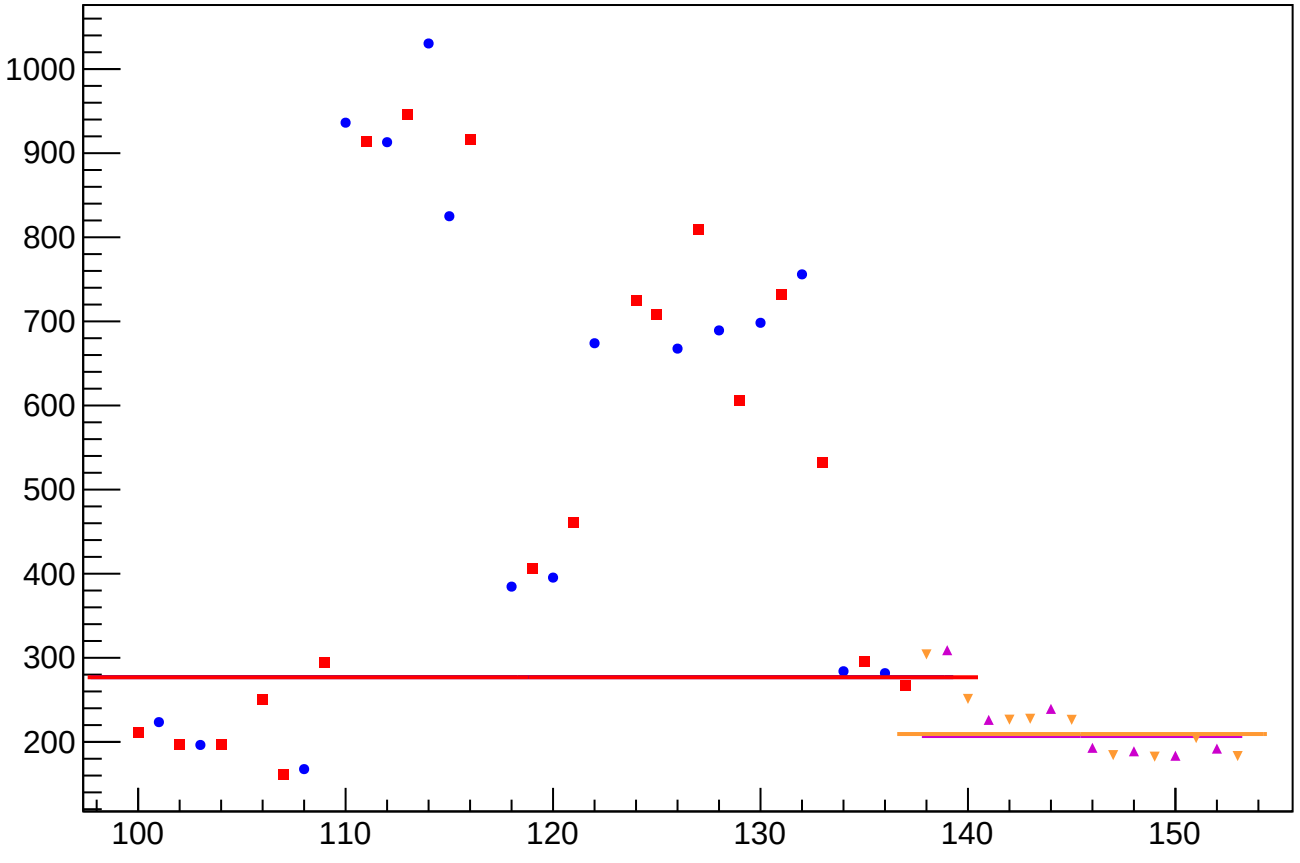
Right: 0.045+/-0.085 χ^2/NDF: 36.9/34

In: 0.081+/-0.069 χ^2/NDF:15.9/22

Out: 0.136+/-0.067 χ^2/NDF:40.1/27

All: 0.109+/-0.048 χ^2/NDF: 56.3/50

diff_targ_thetaX_rms vs Slug, Sign Corrected



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 209.378+/-0.057 χ^2/NDF:320717.2/8

Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

Left In: 206.993+/-0.060 χ^2/NDF:294030.6/6

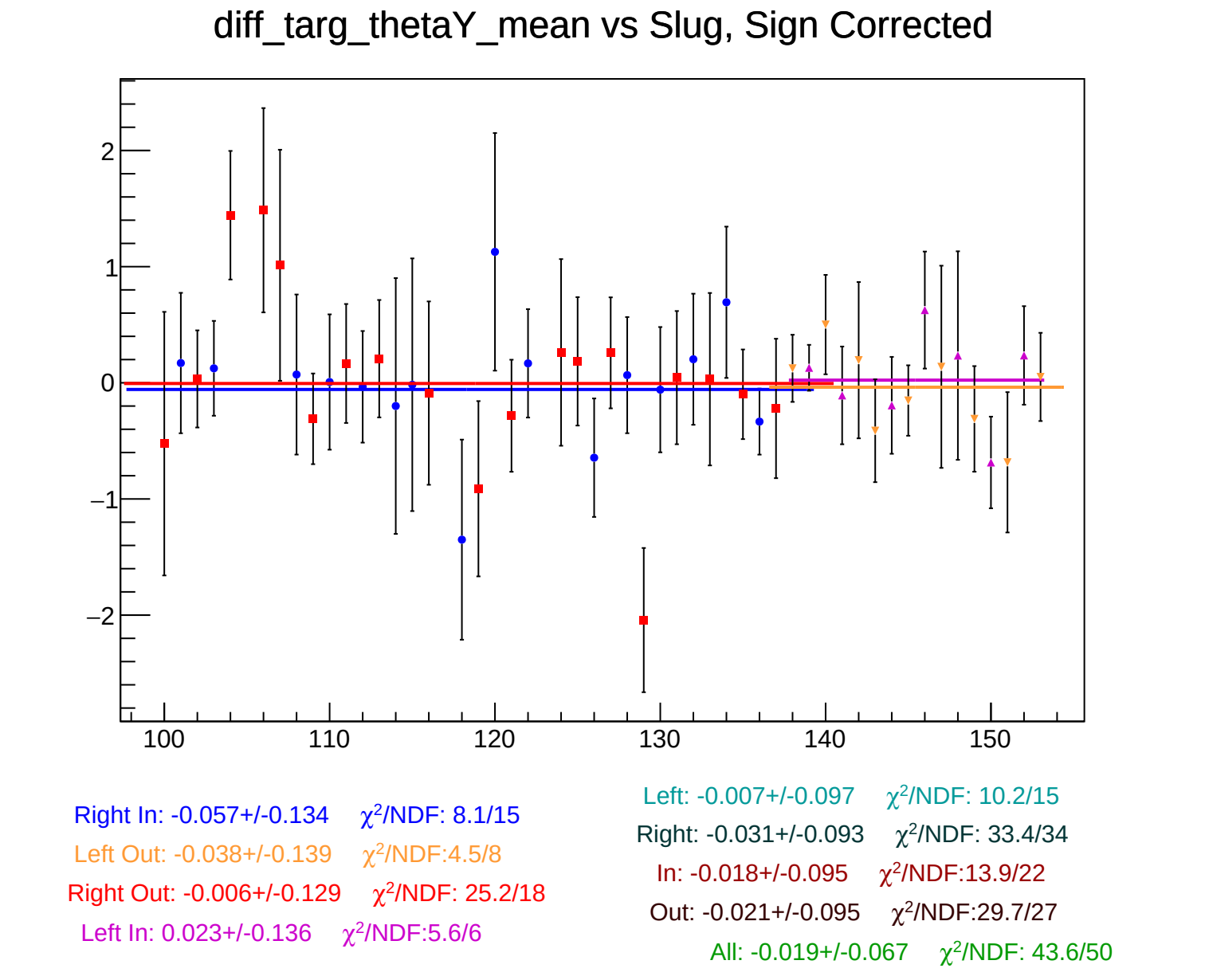
Left: 208.251+/-0.041 χ^2/NDF: 615584.1/15

Right: 276.942+/-0.060 χ^2/NDF: 7022156.1/34

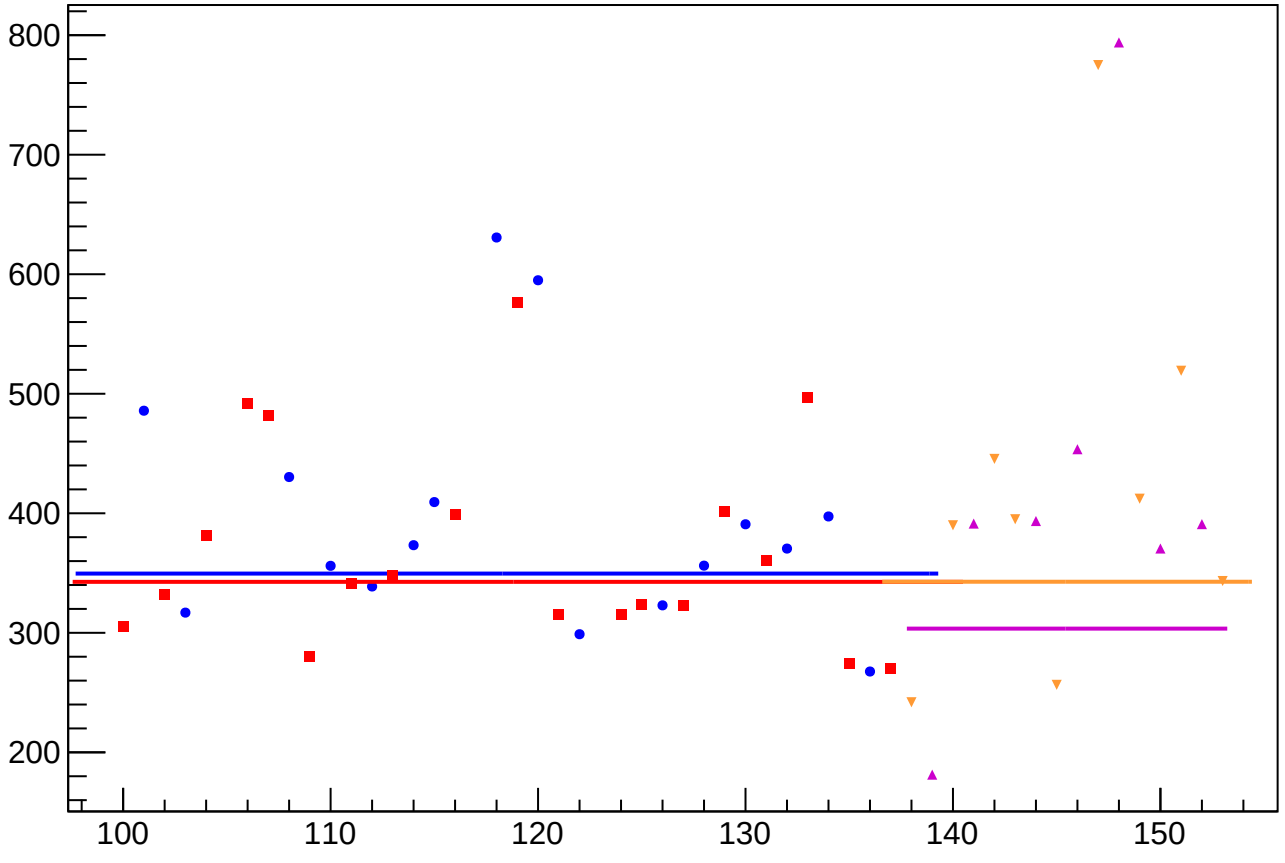
In: 230.390+/-0.049 χ^2/NDF:4201227.5/22

Out: 230.285+/-0.047 χ^2/NDF:4331154.9/27

All: 230.335+/-0.034 χ^2/NDF: 8532384.7/50


diff_targ_thetaY_mean vs Slug, Sign Corrected
2
1
0
−1
−2
100
110
120
130
140
150
Right In: -0.057+/-0.134 χ²/NDF: 8.1/15
Left Out: -0.038+/-0.139 χ²/NDF:4.5/8
Right Out: -0.006+/-0.129 χ²/NDF: 25.2/18
Left In: 0.023+/-0.136 χ²/NDF:5.6/6
Left: -0.007+/-0.097 χ²/NDF: 10.2/15
Right: -0.031+/-0.093 χ²/NDF: 33.4/34
In: -0.018+/-0.095 χ²/NDF:13.9/22
Out: -0.021+/-0.095 χ²/NDF:29.7/27
All: -0.019+/-0.067 χ²/NDF: 43.6/50

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 342.732+/-0.099 χ^2/NDF:1215049.4/8

Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 303.509+/-0.096 χ^2/NDF:1862573.2/6

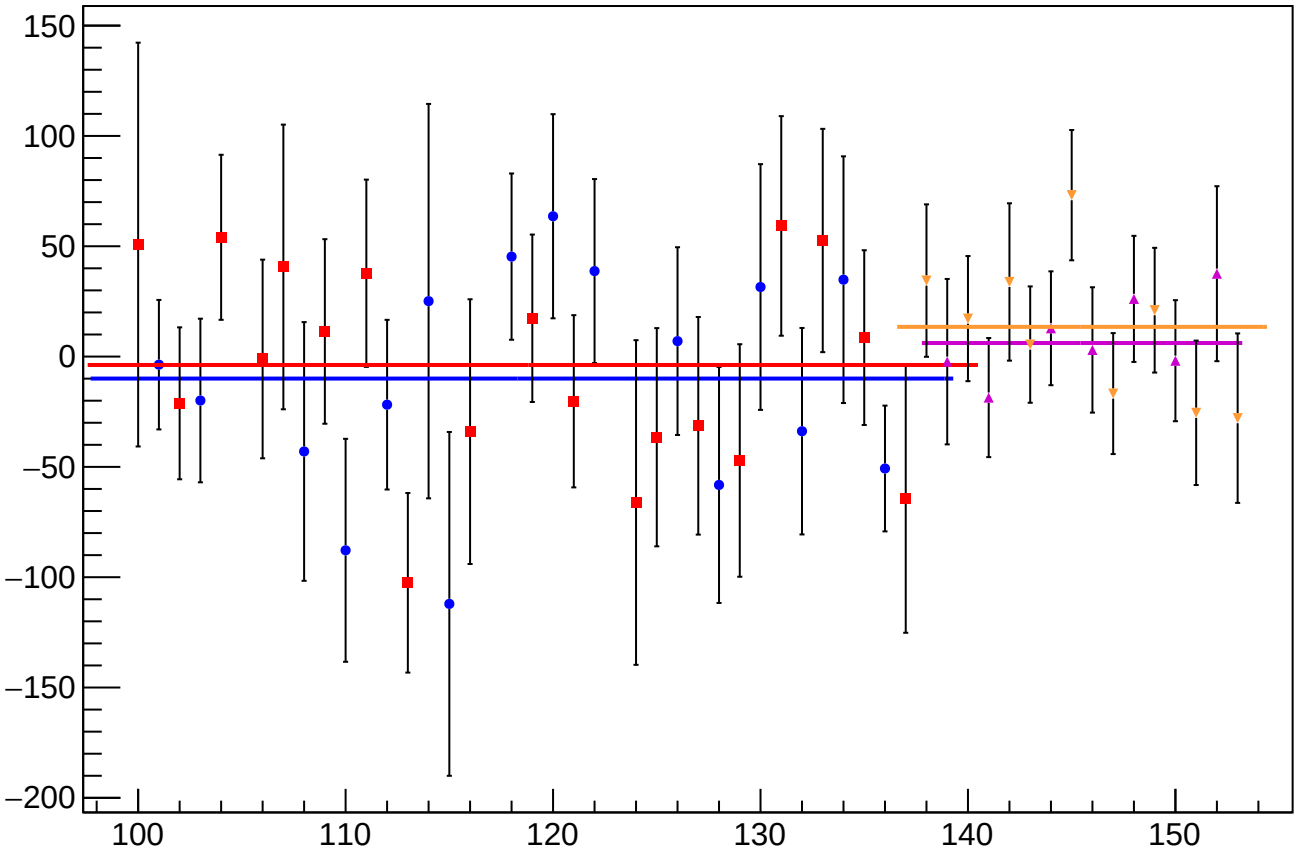
Left: 322.613+/-0.069 χ^2/NDF: 3158836.5/15

Right: 345.972+/-0.066 χ^2/NDF: 1277836.8/34

In: 326.883+/-0.067 χ^2/NDF:2678537.6/22

Out: 342.683+/-0.067 χ^2/NDF:1790809.7/27

All: 334.839+/-0.047 χ^2/NDF: 4497016.7/50



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 13.458+/-10.181 χ^2/NDF:8.8/8

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 6.144+/-11.170 χ^2/NDF:2.2/6

Left: 10.139+/-7.525 χ^2/NDF: 11.2/15

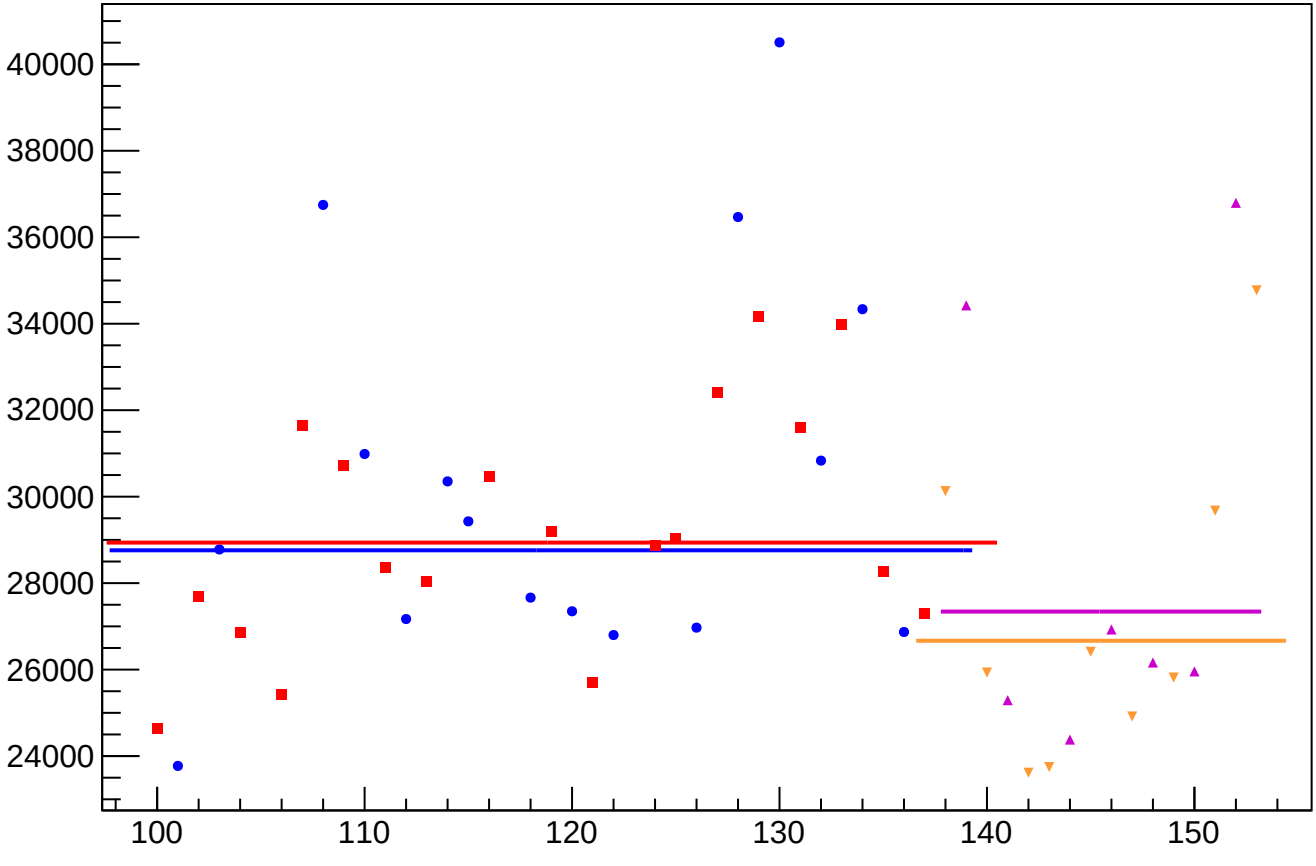
Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: -2.157+/-7.778 χ^2/NDF:18.5/22

Out: 5.199+/-7.355 χ^2/NDF:27.4/27

All: 1.727+/-5.344 χ^2/NDF: 46.4/50

diff_bpmE_rms vs Slug, Sign Corrected



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 26666.901+/-7.199 χ^2/NDF:176717.7/8

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 27342.019+/-7.898 χ^2/NDF:231846.7/6

Left: 26973.273+/-5.321 χ^2/NDF: 412555.1/15

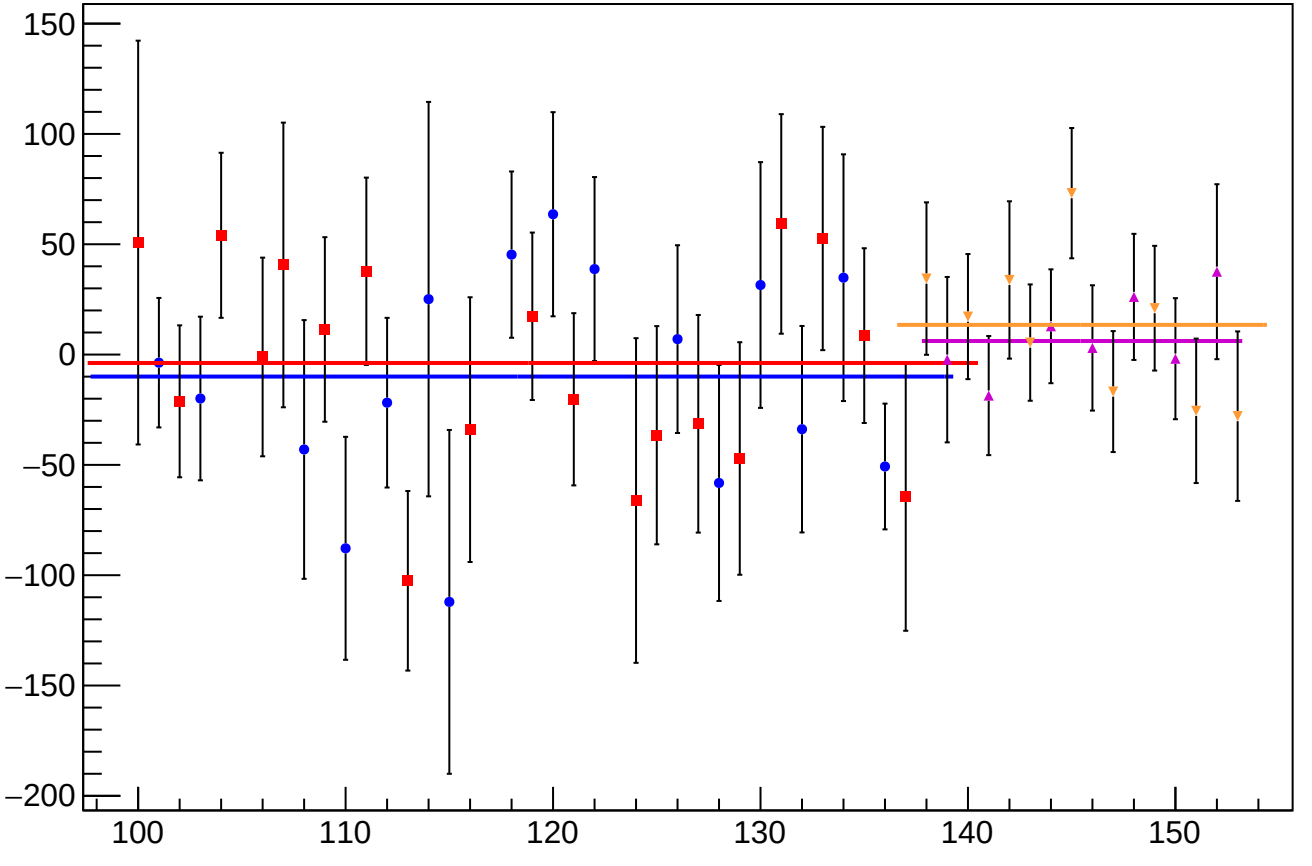
Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

In: 28072.027+/-5.500 χ^2/NDF:526069.4/22

Out: 27752.674+/-5.201 χ^2/NDF:330552.7/27

All: 27903.435+/-3.779 χ^2/NDF: 858402.2/50

diff_bpmEX_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 13.458+/-10.181 χ^2/NDF:8.8/8

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 6.144+/-11.170 χ^2/NDF:2.2/6

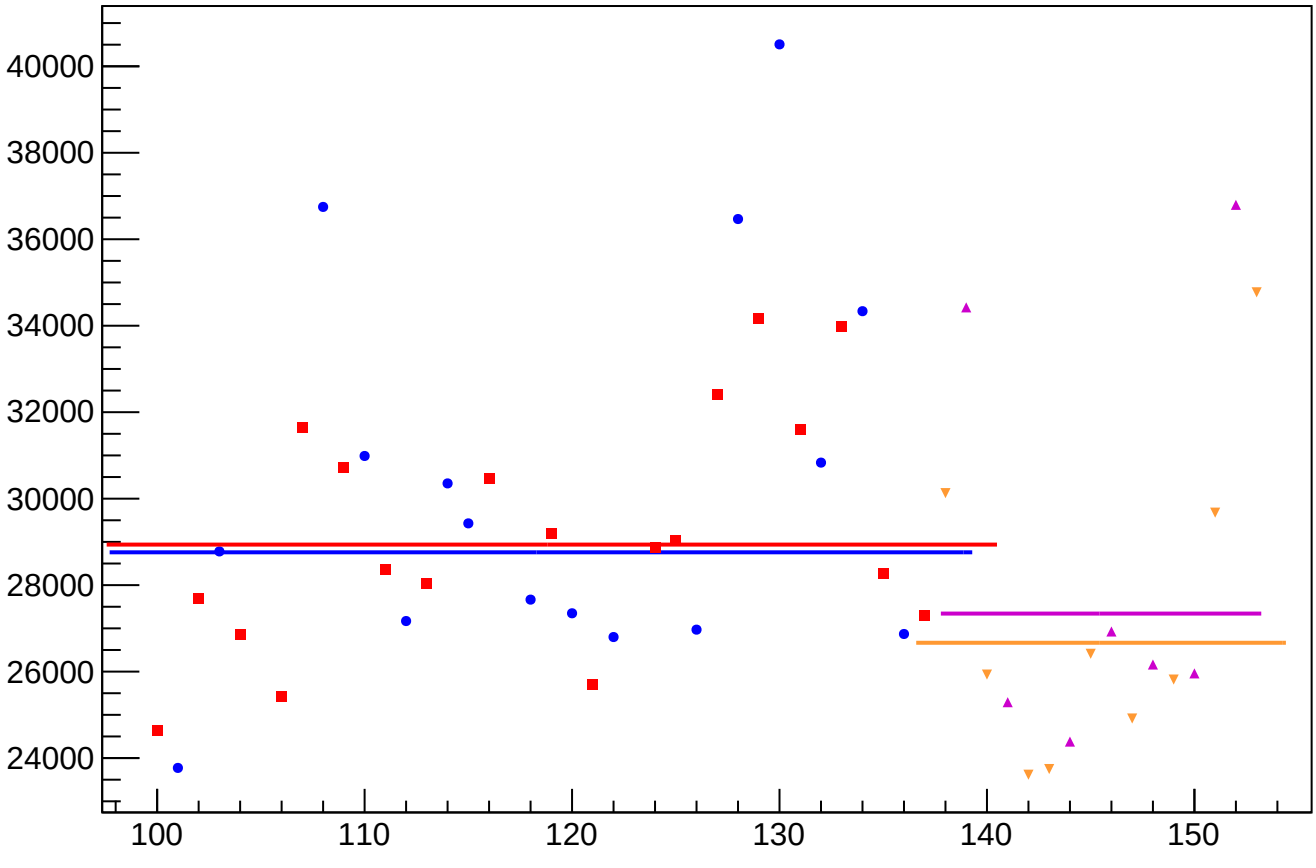
Left: 10.139+/-7.525 χ^2/NDF: 11.2/15

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: -2.157+/-7.778 χ^2/NDF:18.5/22

Out: 5.199+/-7.355 χ^2/NDF:27.4/27

All: 1.727+/-5.344 χ^2/NDF: 46.4/50



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 26666.901+/-7.199 χ^2/NDF:176717.7/8

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 27342.019+/-7.898 χ^2/NDF:231846.7/6

Left: 26973.273+/-5.321 χ^2/NDF: 412555.1/15

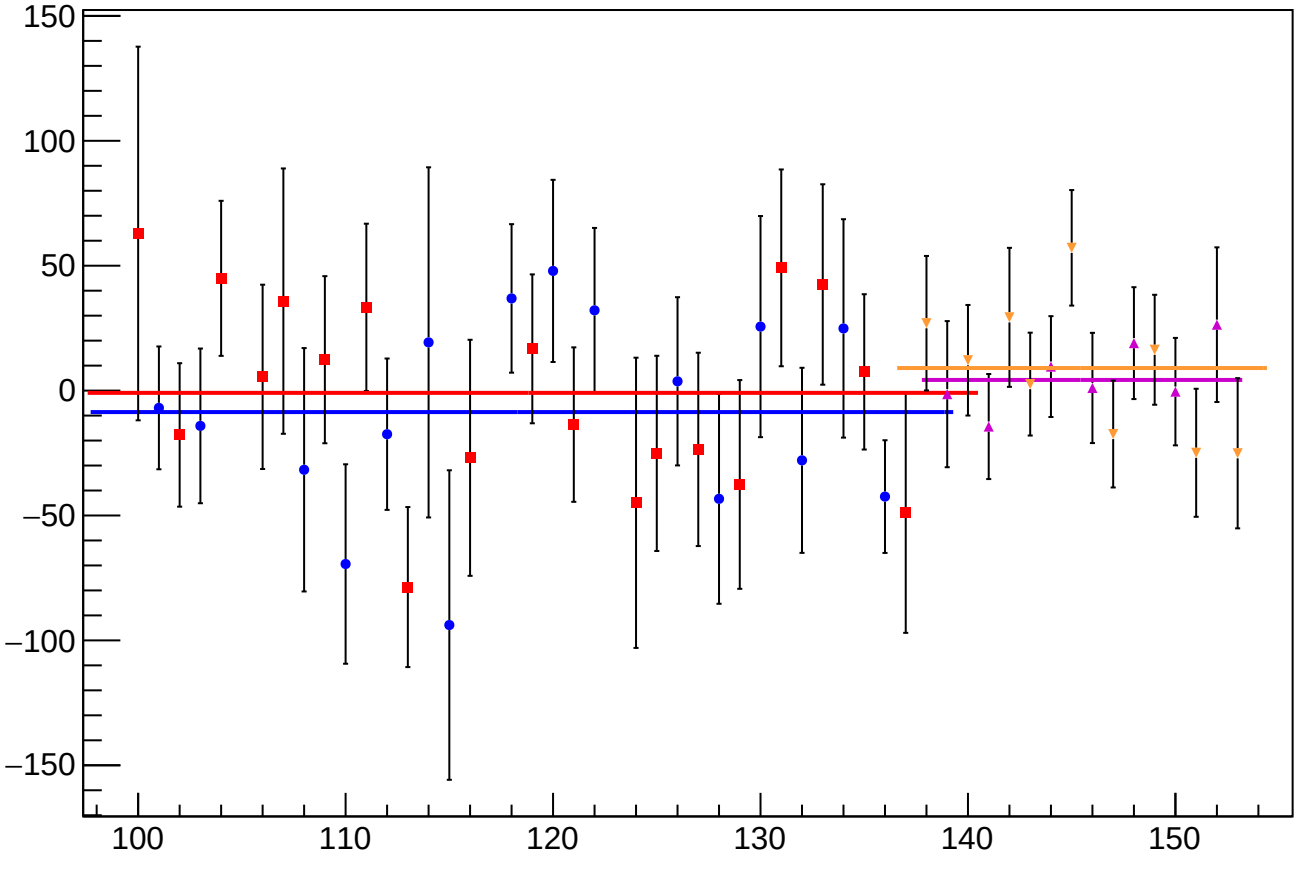
Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

In: 28072.027+/-5.500 χ^2/NDF:526069.4/22

Out: 27752.674+/-5.201 χ^2/NDF:330552.7/27

All: 27903.435+/-3.779 χ^2/NDF: 858402.2/50

diff_bpmE_11X12X_mean vs Slug, Sign Corrected



Right In: -8.599+/-8.678 χ^2/NDF: 15.5/15

Left Out: 9.034+/-7.951 χ^2/NDF:10.1/8

Right Out: -0.904+/-8.506 χ^2/NDF: 17.6/18

Left In: 4.268+/-8.725 χ^2/NDF:1.9/6

Left: 6.872+/-5.877 χ^2/NDF: 12.2/15

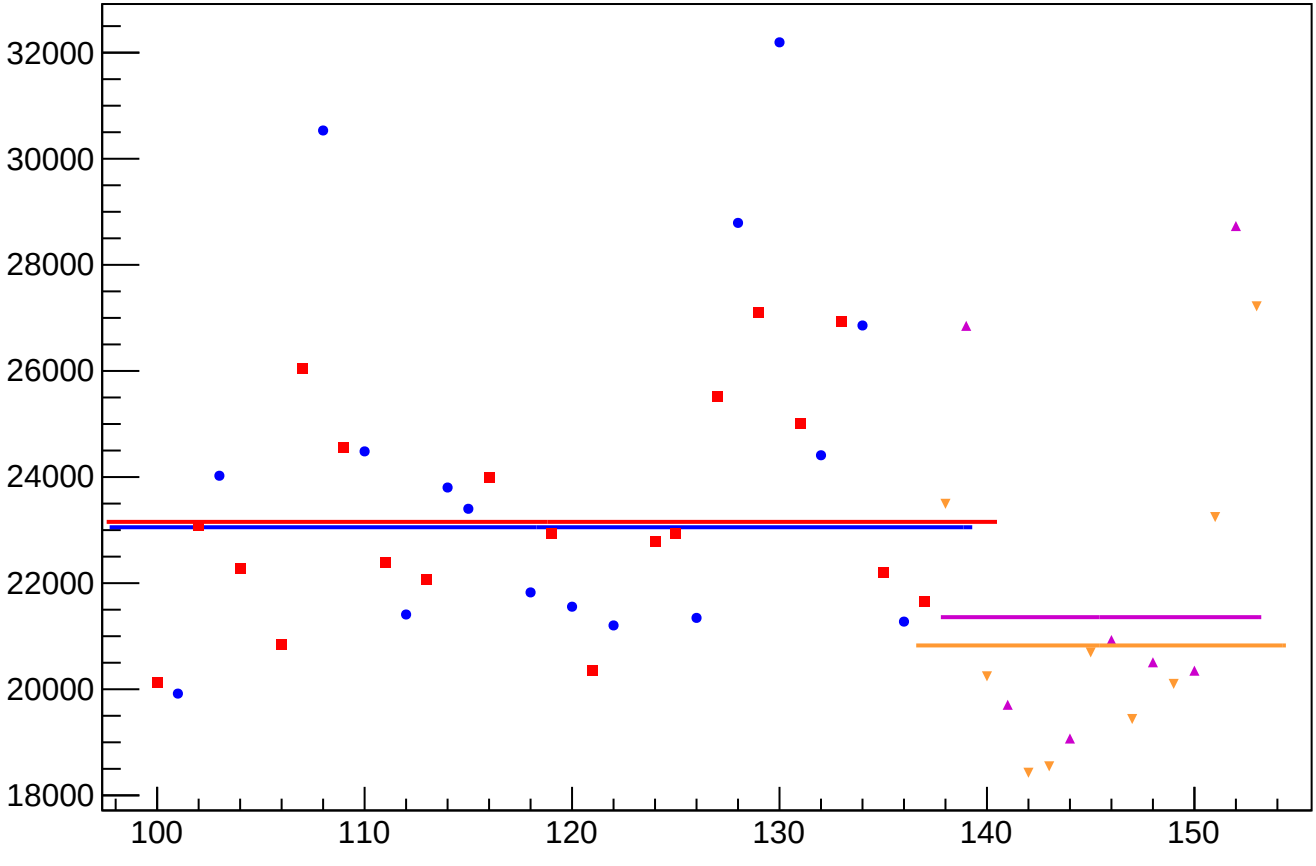
Right: -4.674+/-6.075 χ^2/NDF: 33.5/34

In: -2.200+/-6.153 χ^2/NDF:18.5/22

Out: 4.400+/-5.808 χ^2/NDF:28.4/27

All: 1.290+/-4.224 χ^2/NDF: 47.5/50

diff_bpmE_11X12X_rms vs Slug, Sign Corrected



Right In: 23053.910+/-6.137 χ^2/NDF: 261444.9/15

Left Out: 20825.869+/-5.622 χ^2/NDF:179303.2/8

Right Out: 23155.251+/-6.015 χ^2/NDF: 93894.1/18

Left In: 21359.142+/-6.170 χ^2/NDF:229938.3/6

Left: 21067.797+/-4.156 χ^2/NDF: 413323.2/15

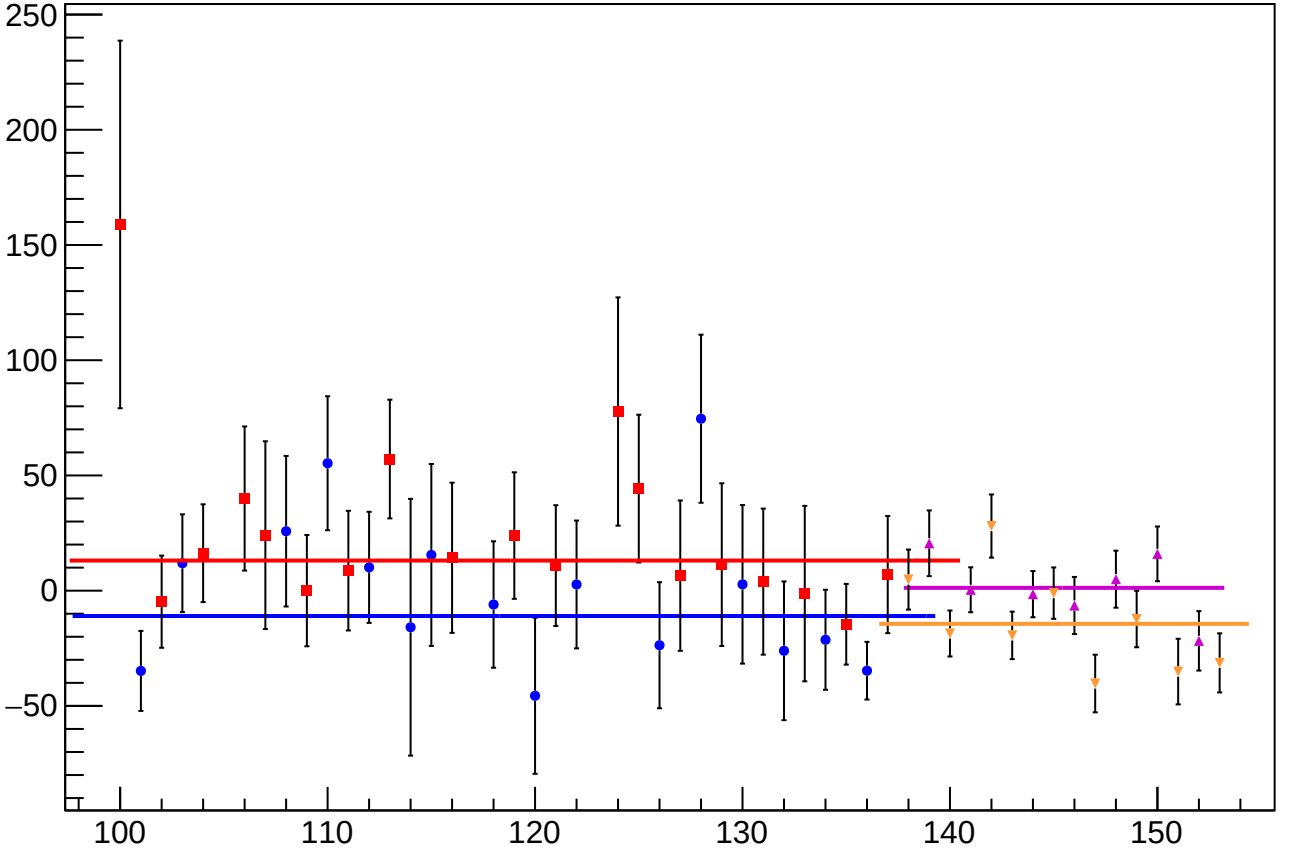
Right: 23105.598+/-4.295 χ^2/NDF: 355478.0/34

In: 22211.077+/-4.351 χ^2/NDF:529314.6/22

Out: 21912.086+/-4.107 χ^2/NDF:353247.6/27

All: 22052.974+/-2.987 χ^2/NDF: 885059.4/50

diff_bpm4aesumX_mean vs Slug, Sign Corrected



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -14.389+/-3.990 χ^2/NDF:21.8/8

Right Out: 13.071+/-6.382 χ^2/NDF: 13.9/18

Left In: 1.229+/-4.404 χ^2/NDF:7.1/6

Left: -7.349+/-2.957 χ^2/NDF: 35.8/15

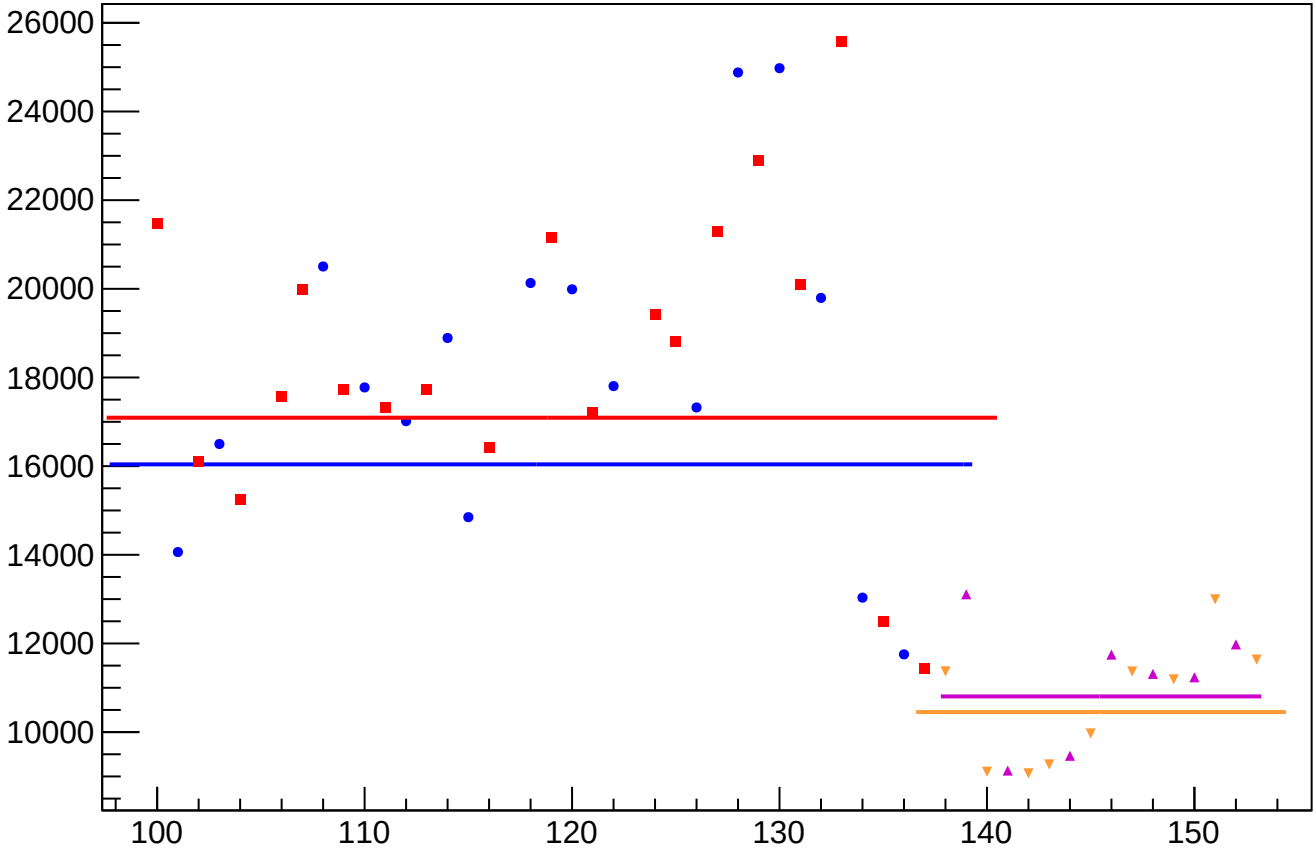
Right: 0.599+/-4.430 χ^2/NDF: 43.3/34

In: -2.913+/-3.582 χ^2/NDF:31.8/22

Out: -6.672+/-3.383 χ^2/NDF:49.0/27

All: -4.900+/-2.459 χ^2/NDF: 81.3/50

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 10452.346+/-2.821 χ^2/NDF:195630.0/8

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

Left In: 10805.481+/-3.114 χ^2/NDF:181021.2/6

Left: 10611.525+/-2.091 χ^2/NDF: 383713.0/15

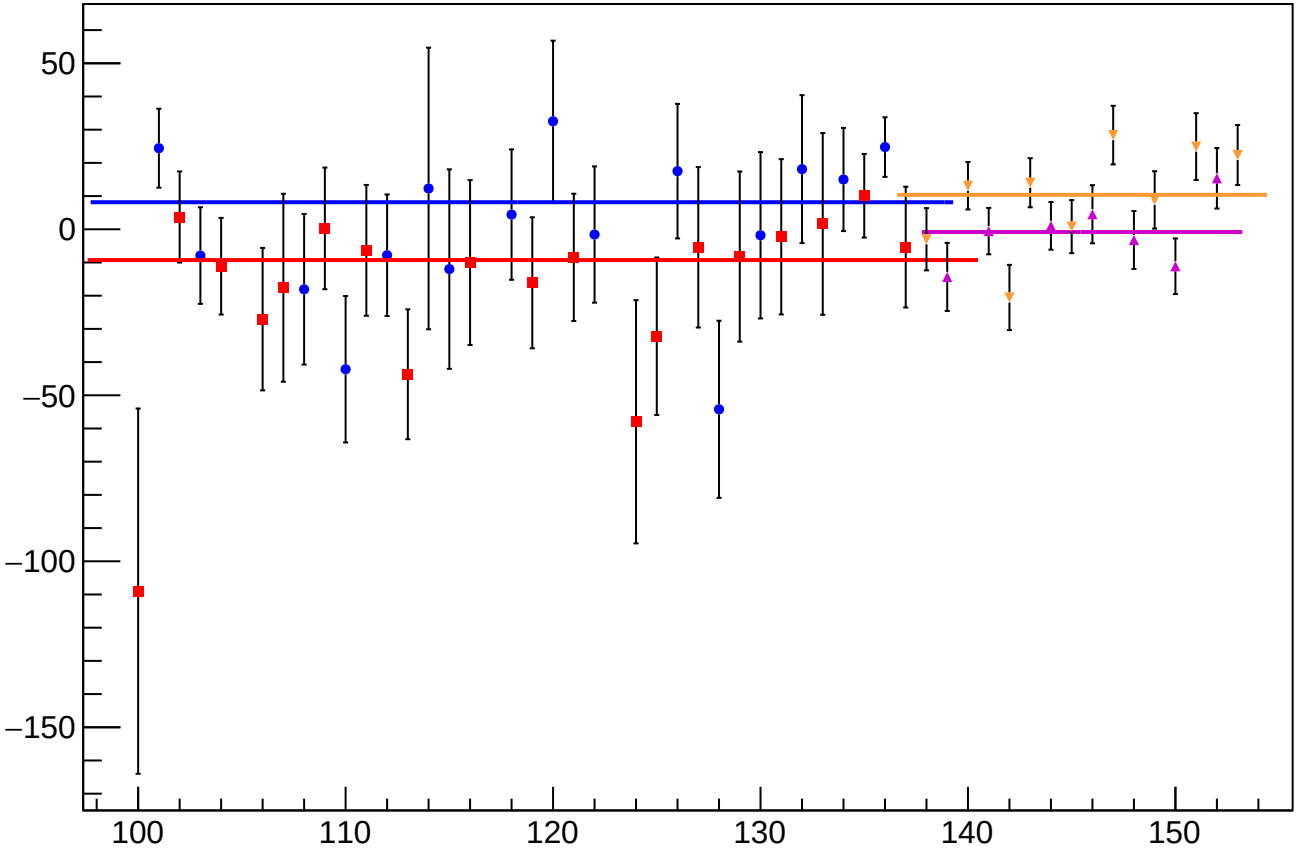
Right: 16547.306+/-3.133 χ^2/NDF: 1286331.2/34

In: 12578.160+/-2.533 χ^2/NDF:1860416.3/22

Out: 12318.471+/-2.392 χ^2/NDF:2287839.6/27

All: 12440.918+/-1.739 χ^2/NDF: 4153812.1/5

diff_bpm4aediffX_mean vs Slug, Sign Corrected



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 10.374+/-2.845 χ^2/NDF:21.8/8

Right Out: -9.270+/-4.607 χ^2/NDF: 13.9/18

Left In: -0.827+/-3.134 χ^2/NDF:6.9/6

Left: 5.314+/-2.106 χ^2/NDF: 35.7/15

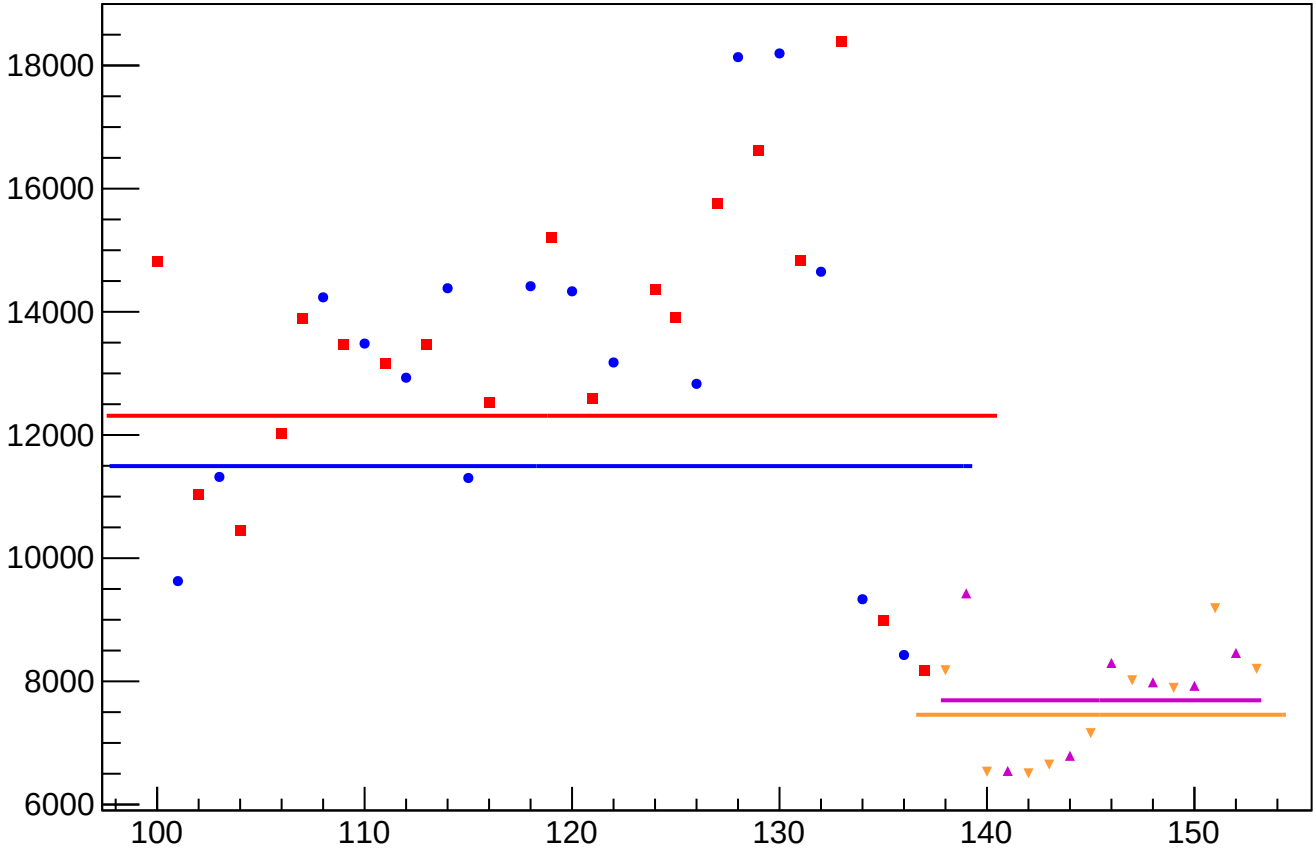
Right: -0.204+/-3.191 χ^2/NDF: 43.1/34

In: 2.173+/-2.557 χ^2/NDF:31.5/22

Out: 4.952+/-2.420 χ^2/NDF:48.8/27

All: 3.639+/-1.758 χ^2/NDF: 80.9/50

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7457.667+/-2.011 χ^2/NDF:176659.7/8

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

Left In: 7692.208+/-2.216 χ^2/NDF:170257.0/6

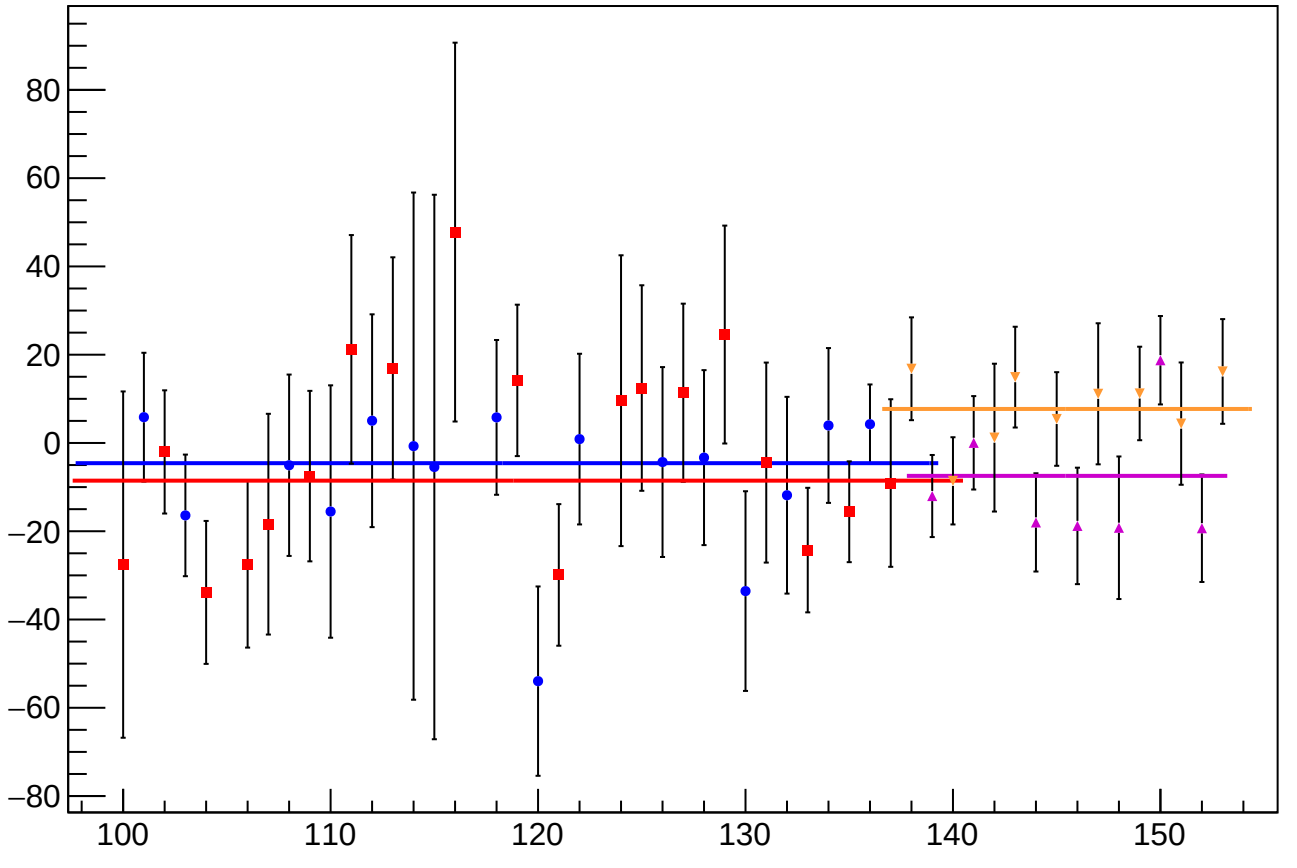
Left: 7563.611+/-1.489 χ^2/NDF: 353058.2/15

Right: 11887.075+/-2.256 χ^2/NDF: 1421522.1/34

In: 8963.360+/-1.808 χ^2/NDF:1944542.1/22

Out: 8797.628+/-1.712 χ^2/NDF:2383294.0/27

All: 8875.947+/-1.243 χ^2/NDF: 4332267.1/50



Right In: -4.578+/-4.554 χ^2/NDF: 10.2/15

Left Out: 7.707+/-3.988 χ^2/NDF:4.7/8

Right Out: -8.537+/-4.392 χ^2/NDF: 17.2/18

Left In: -7.455+/-4.270 χ^2/NDF:10.7/6

Left: 0.644+/-2.914 χ^2/NDF: 22.1/15

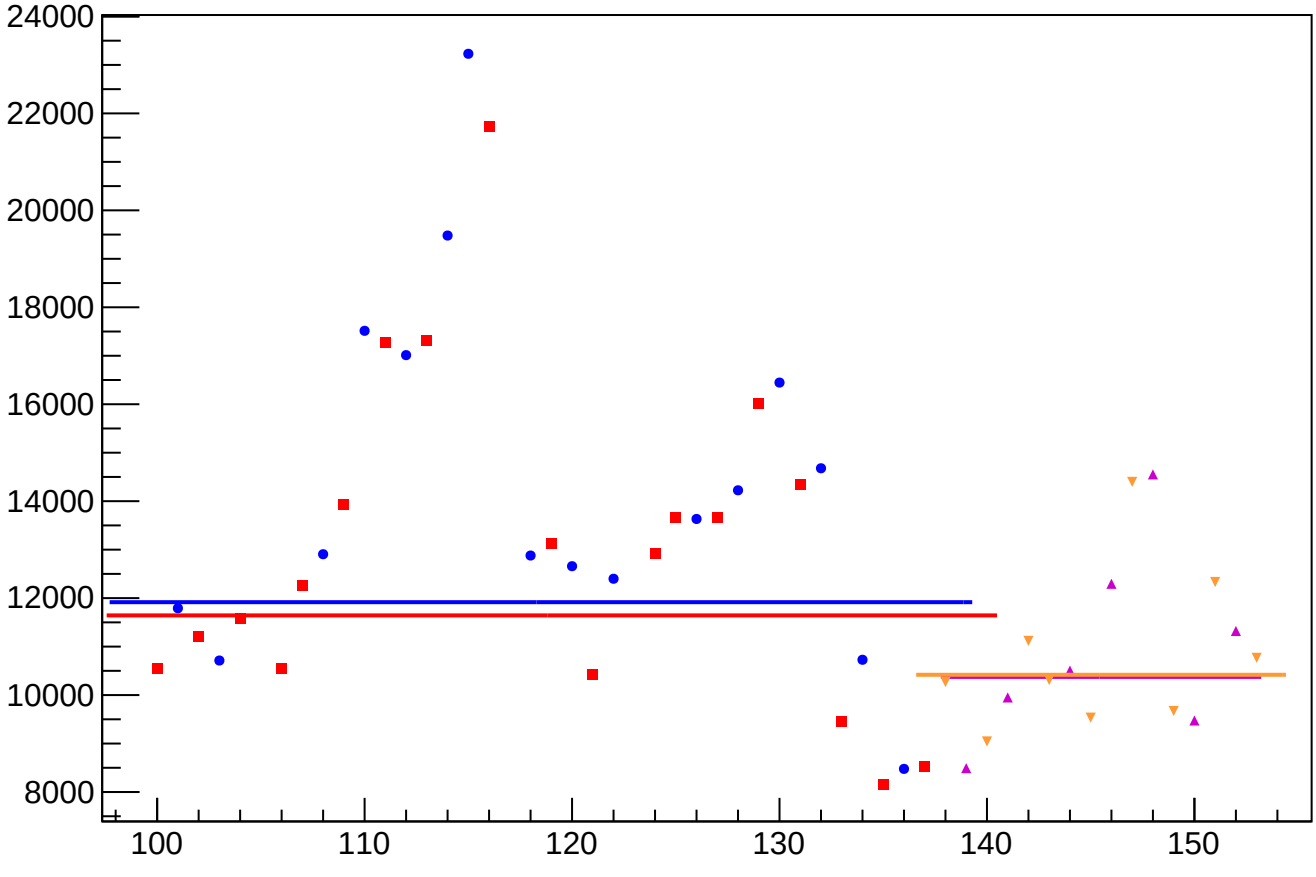
Right: -6.629+/-3.161 χ^2/NDF: 27.8/34

In: -6.109+/-3.115 χ^2/NDF:21.2/22

Out: 0.367+/-2.952 χ^2/NDF:29.3/27

All: -2.698+/-2.143 χ^2/NDF: 52.8/50

diff_bpm4aesumY_rms vs Slug, Sign Corrected



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10418.590+/-2.820 χ^2/NDF:230548.1/8

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

Left In: 10374.625+/-3.019 χ^2/NDF:289867.7/6

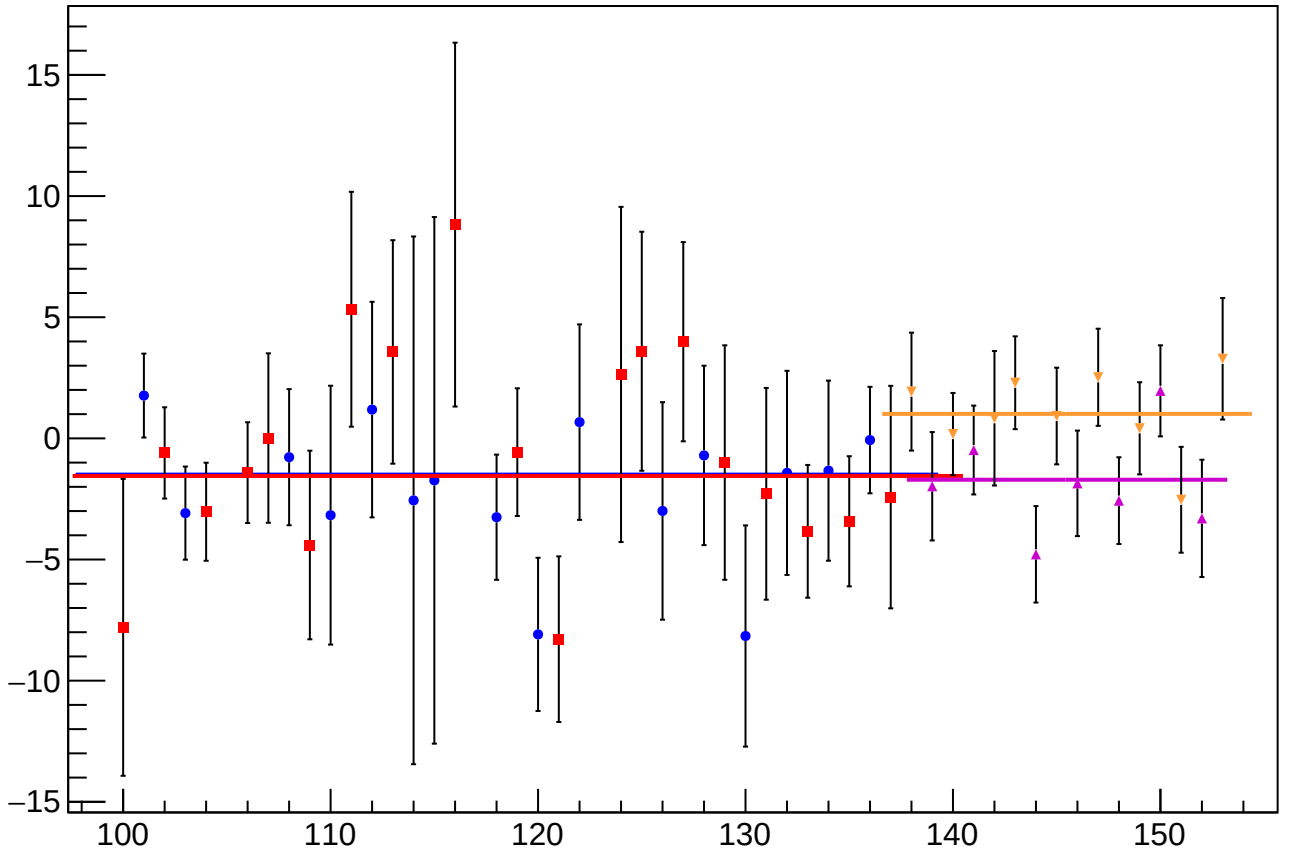
Left: 10398.107+/-2.061 χ^2/NDF: 520529.1/15

Right: 11775.058+/-2.235 χ^2/NDF: 1543851.0/34

In: 11095.885+/-2.203 χ^2/NDF:1161627.4/22

Out: 10972.116+/-2.088 χ^2/NDF:1106187.4/27

All: 11030.690+/-1.515 χ^2/NDF: 2269478.1/5



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.011+/-0.696 χ^2/NDF:5.0/8

Right Out: -1.551+/-0.745 χ^2/NDF: 16.3/18

Left In: -1.707+/-0.761 χ^2/NDF:7.3/6

Left: -0.227+/-0.514 χ^2/NDF: 19.2/15

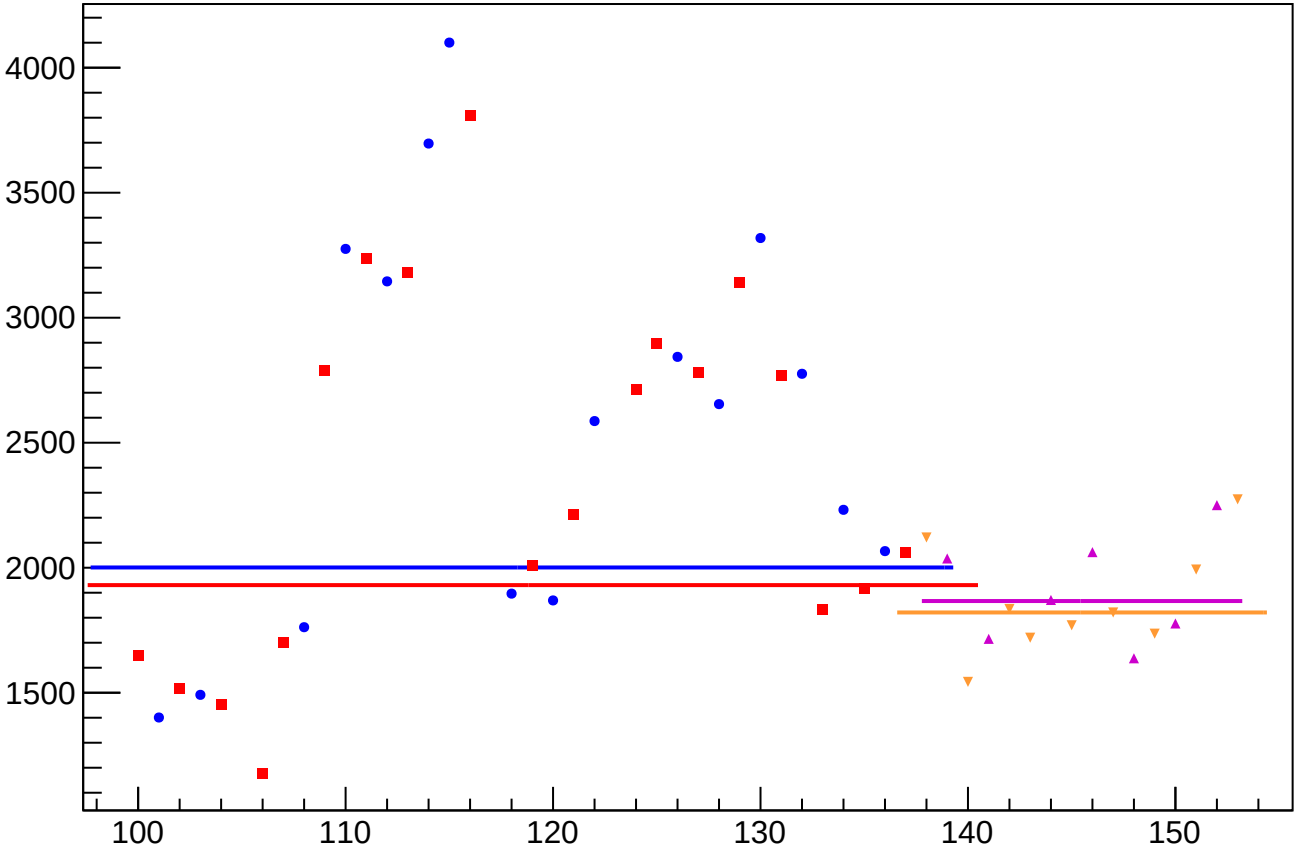
Right: -1.525+/-0.538 χ^2/NDF: 28.9/34

In: -1.604+/-0.544 χ^2/NDF:20.0/22

Out: -0.184+/-0.508 χ^2/NDF:27.6/27

All: -0.846+/-0.371 χ^2/NDF: 51.1/50

diff_bpm4aediffY_rms vs Slug, Sign Corrected



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 1821.041+/-0.492 χ^2/NDF:172432.7/8

Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

Left In: 1866.743+/-0.538 χ^2/NDF:128813.8/6

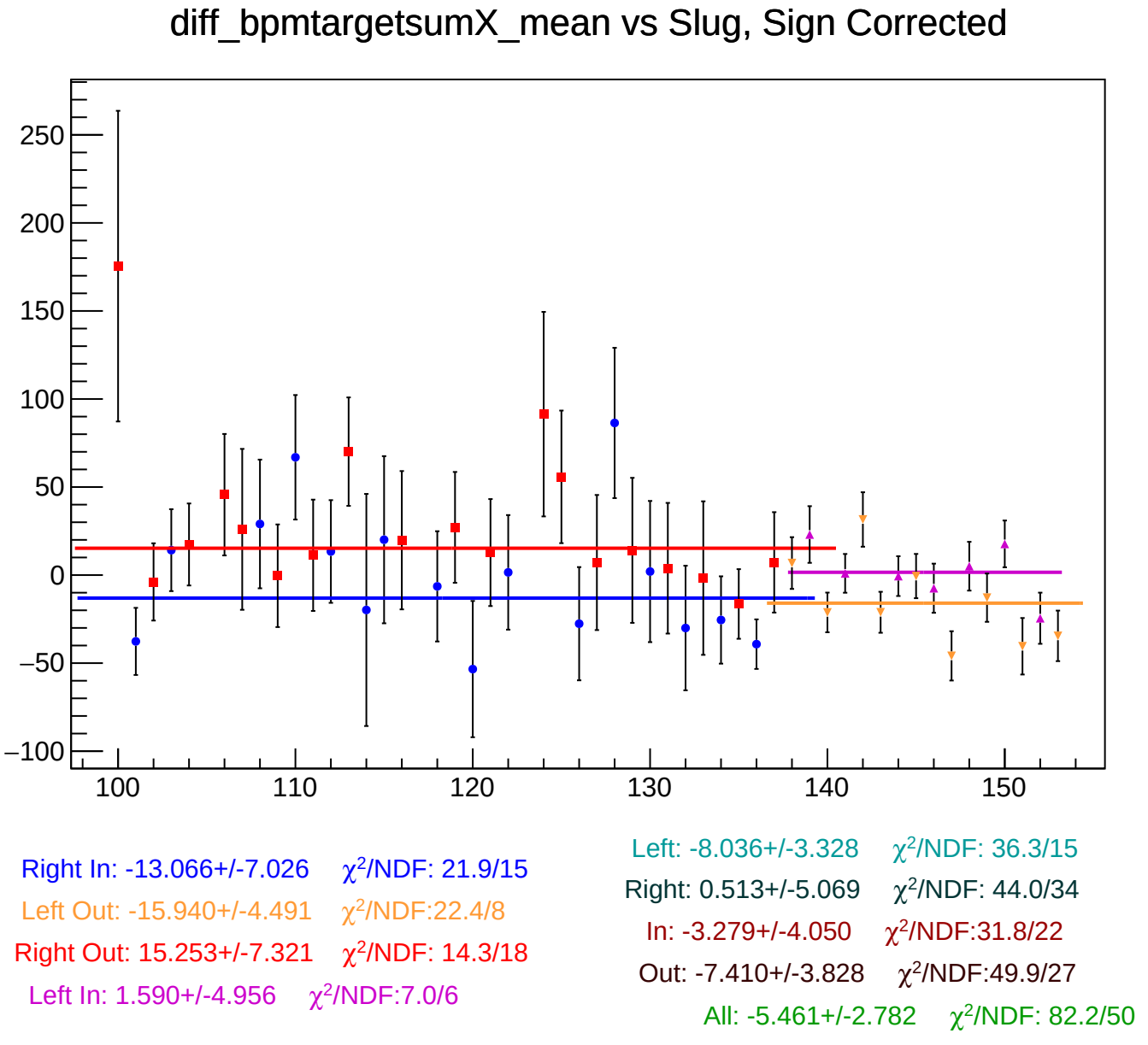
Left: 1841.853+/-0.363 χ^2/NDF: 305174.2/15

Right: 1964.155+/-0.380 χ^2/NDF: 2601922.6/34

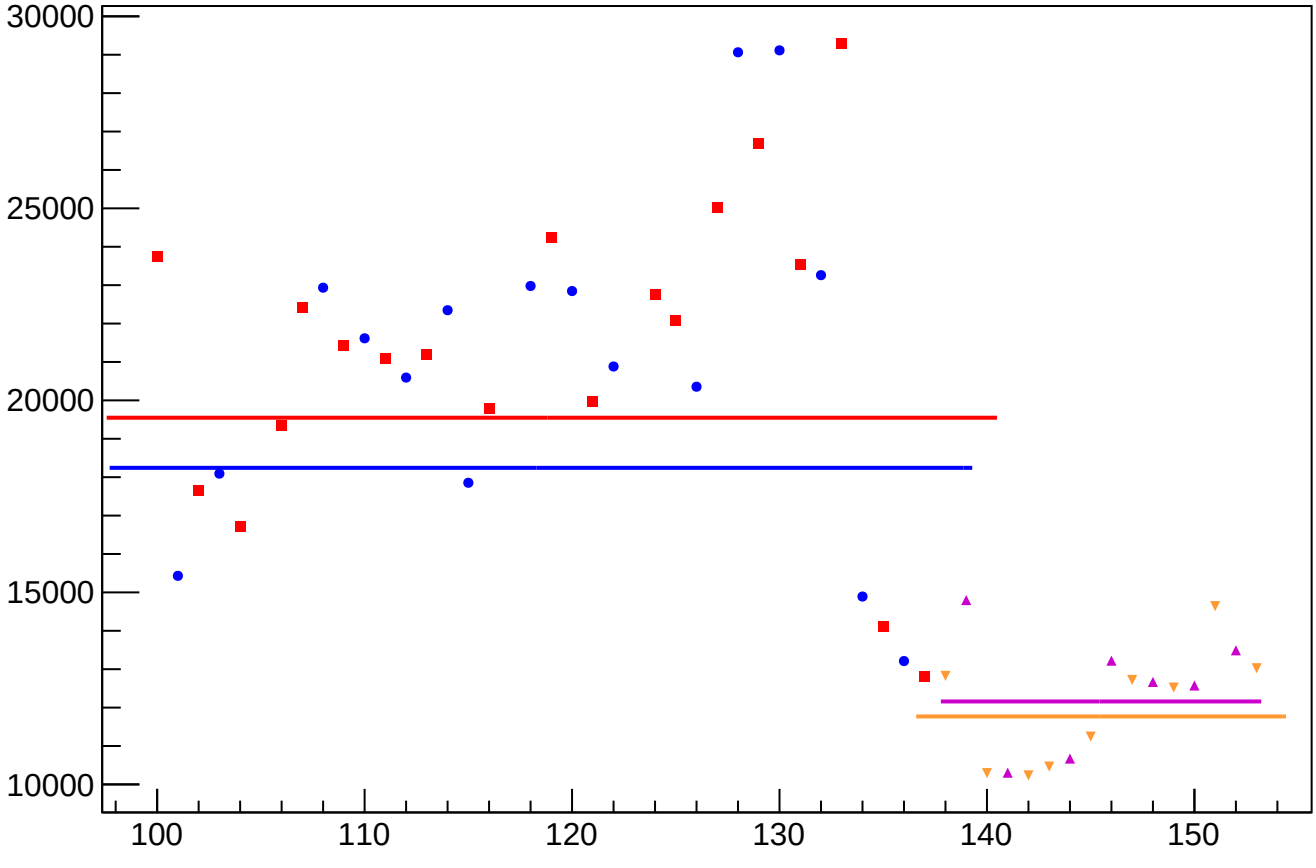
In: 1932.375+/-0.385 χ^2/NDF:1349022.3/22

Out: 1872.053+/-0.360 χ^2/NDF:1599028.1/27

All: 1900.169+/-0.263 χ^2/NDF: 2961173.4/50


diff_bpmtargetsumX_mean vs Slug, Sign Corrected
250
200
150
100
50
0
−50
−100
100
110
120
130
140
150
Right In: -13.066+/-7.026 χ²/NDF: 21.9/15
Left Out: -15.940+/-4.491 χ²/NDF:22.4/8
Right Out: 15.253+/-7.321 χ²/NDF: 14.3/18
Left In: 1.590+/-4.956 χ²/NDF:7.0/6
Left: -8.036+/-3.328 χ²/NDF: 36.3/15
Right: 0.513+/-5.069 χ²/NDF: 44.0/34
In: -3.279+/-4.050 χ²/NDF:31.8/22
Out: -7.410+/-3.828 χ²/NDF:49.9/27
All: -5.461+/-2.782 χ²/NDF: 82.2/50

diff_bpmtargetsumX_rms vs Slug, Sign Corrected



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 11769.555+/-3.176 χ^2/NDF:187692.2/8

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

Left In: 12160.003+/-3.505 χ^2/NDF:178403.0/6

Left: 11945.615+/-2.353 χ^2/NDF: 372910.7/15

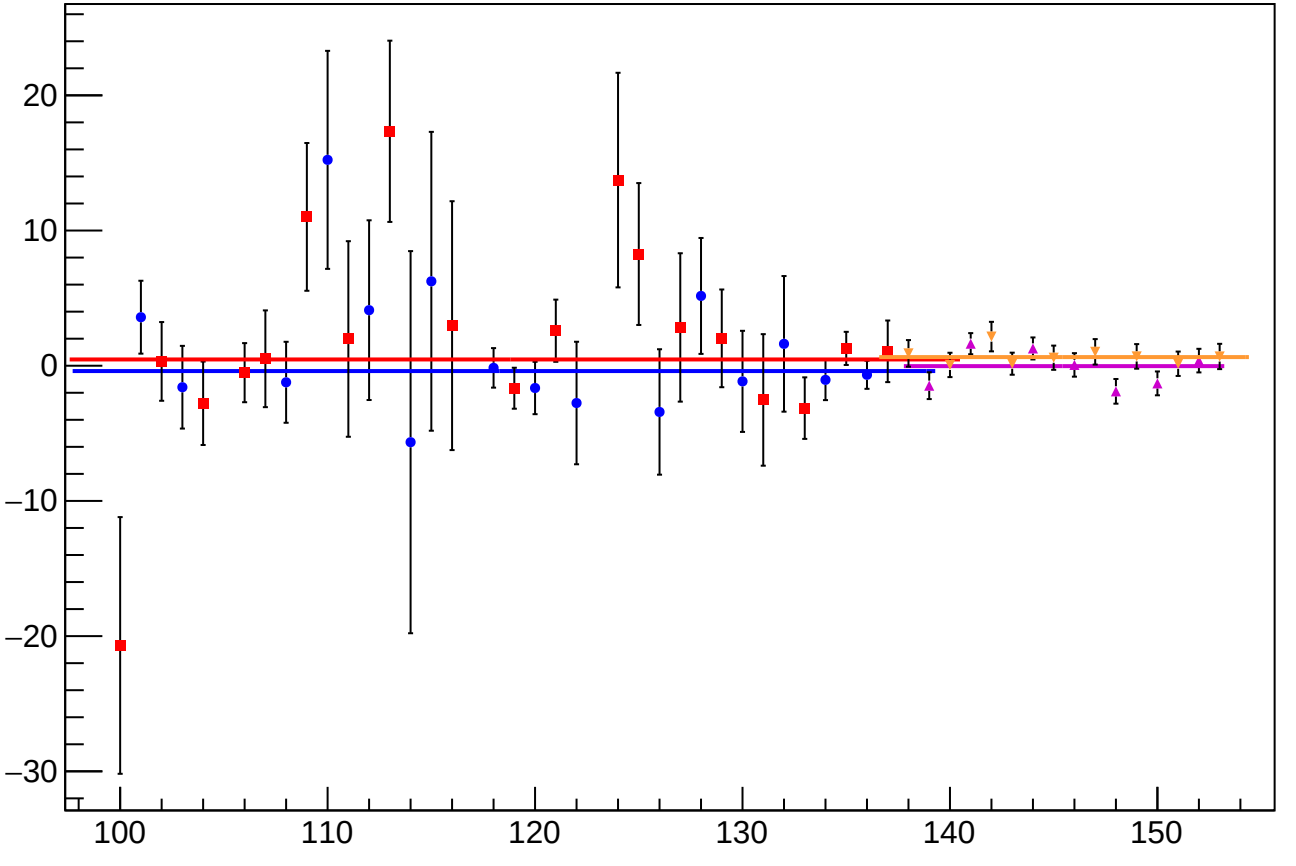
Right: 18869.124+/-3.585 χ^2/NDF: 1474629.7/34

In: 14181.126+/-2.864 χ^2/NDF:1999317.5/22

Out: 13896.830+/-2.707 χ^2/NDF:2450055.7/27

All: 14030.983+/-1.967 χ^2/NDF: 4454577.8/5

diff_bpmtargetdiffX_mean vs Slug, Sign Corrected



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.639+/-0.308 χ^2/NDF:3.3/8

Right Out: 0.464+/-0.634 χ^2/NDF: 28.0/18

Left In: -0.029+/-0.328 χ^2/NDF:15.7/6

Left: 0.326+/-0.224 χ^2/NDF: 21.2/15

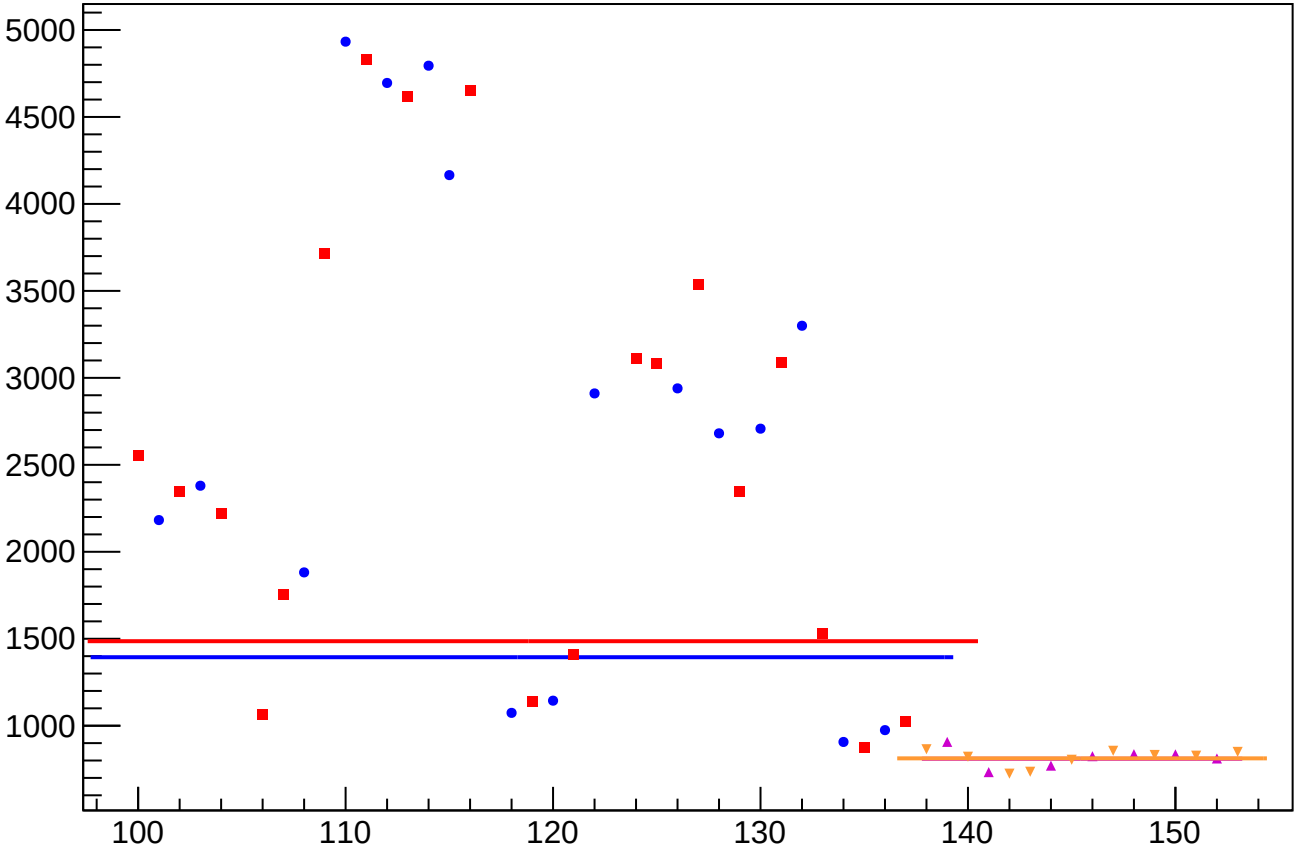
Right: 0.011+/-0.436 χ^2/NDF: 39.4/34

In: -0.113+/-0.288 χ^2/NDF:26.4/22

Out: 0.605+/-0.277 χ^2/NDF:31.4/27

All: 0.260+/-0.200 χ^2/NDF: 61.0/50

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 812.397+/-0.218 χ^2/NDF:45757.1/8

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

Left In: 810.074+/-0.232 χ^2/NDF:47201.3/6

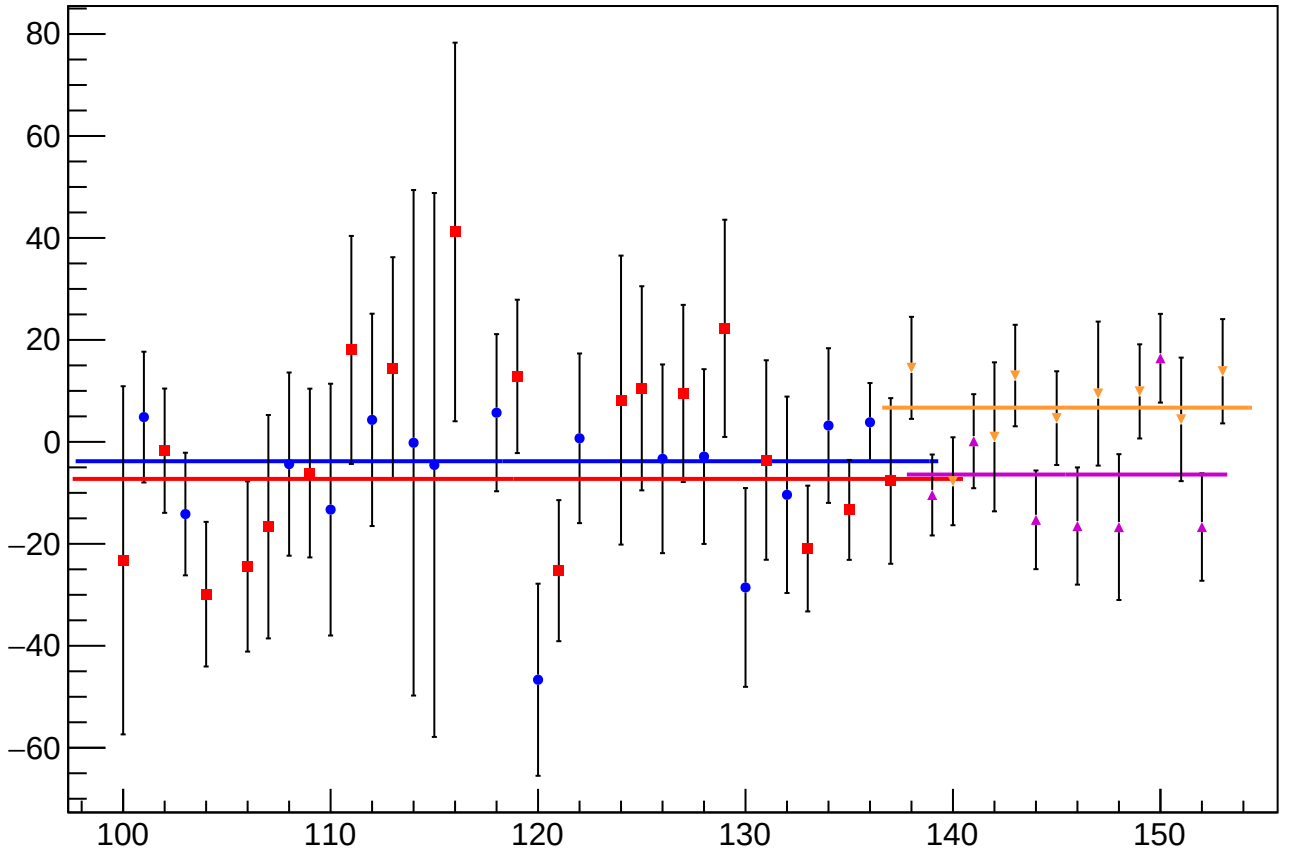
Left: 811.310+/-0.159 χ^2/NDF: 93011.6/15

Right: 1437.438+/-0.308 χ^2/NDF: 6802082.3/34

In: 944.425+/-0.204 χ^2/NDF:4885494.4/22

Out: 940.862+/-0.196 χ^2/NDF:5272218.2/27

All: 942.574+/-0.141 χ^2/NDF: 10157871.8/50



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 6.713+/-3.468 χ^2/NDF:4.7/8

Right Out: -7.264+/-3.807 χ^2/NDF: 17.3/18

Left In: -6.406+/-3.702 χ^2/NDF:10.7/6

Left: 0.582+/-2.531 χ^2/NDF: 22.1/15

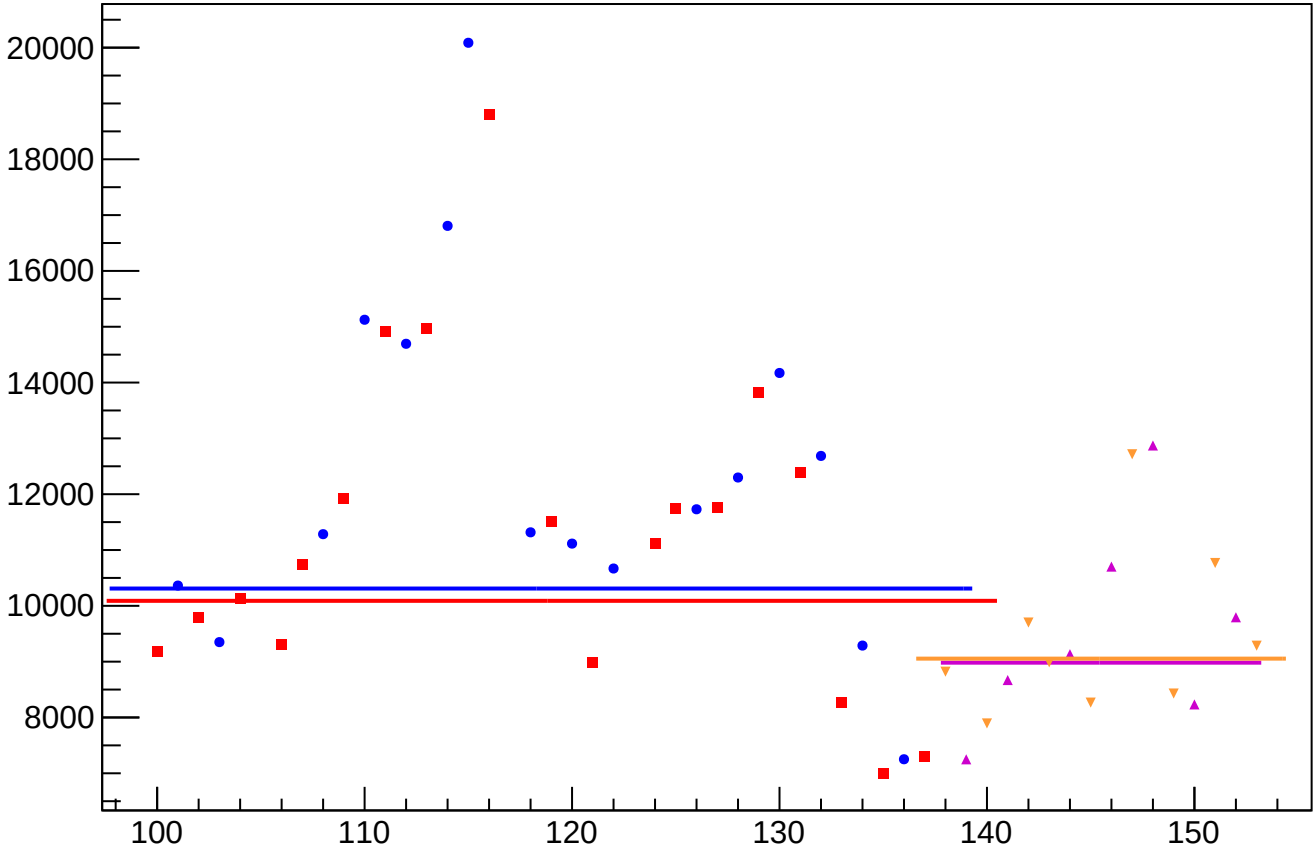
Right: -5.590+/-2.739 χ^2/NDF: 27.7/34

In: -5.182+/-2.699 χ^2/NDF:21.0/22

Out: 0.375+/-2.564 χ^2/NDF:29.3/27

All: -2.261+/-1.859 χ^2/NDF: 52.6/50

diff_bpmtargetsumY_rms vs Slug, Sign Corrected



Right In: 10309.969+/-2.788 χ^2/NDF: 770518.2/15

Left Out: 9054.216+/-2.452 χ^2/NDF:240642.4/8

Right Out: 10089.584+/-2.692 χ^2/NDF: 792788.1/18

Left In: 8981.787+/-2.618 χ^2/NDF:317431.3/6

Left: 9020.365+/-1.790 χ^2/NDF: 558481.4/15

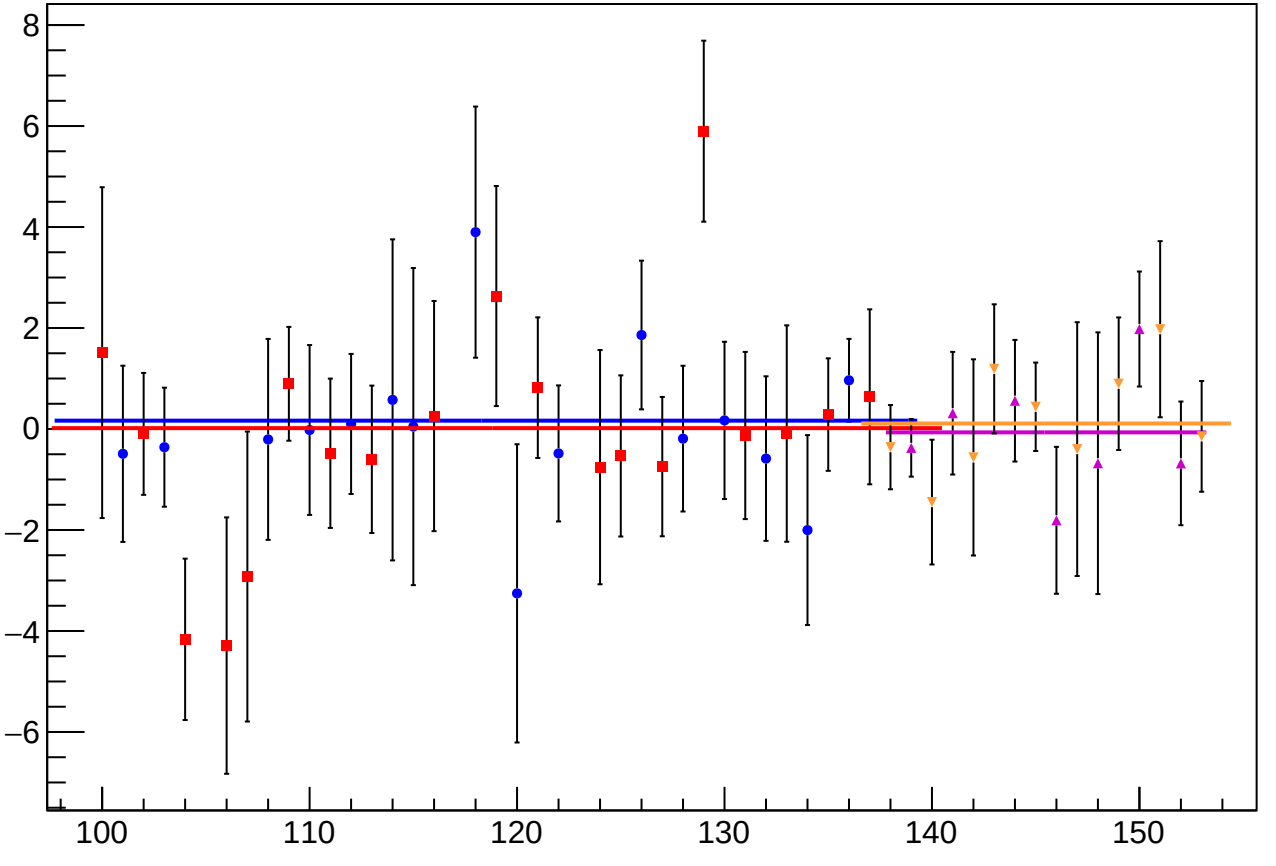
Right: 10195.906+/-1.937 χ^2/NDF: 1566539.8/34

In: 9604.044+/-1.908 χ^2/NDF:1208556.3/22

Out: 9523.740+/-1.813 χ^2/NDF:1114278.2/27

All: 9561.829+/-1.314 χ^2/NDF: 2323765.3/50

diff_bpmtargetdiffY_mean vs Slug, Sign Corrected



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: 0.109+/-0.402 χ^2/NDF:4.5/8

Right Out: 0.017+/-0.372 χ^2/NDF: 25.2/18

Left In: -0.066+/-0.392 χ^2/NDF:5.6/6

Left: 0.019+/-0.281 χ^2/NDF: 10.2/15

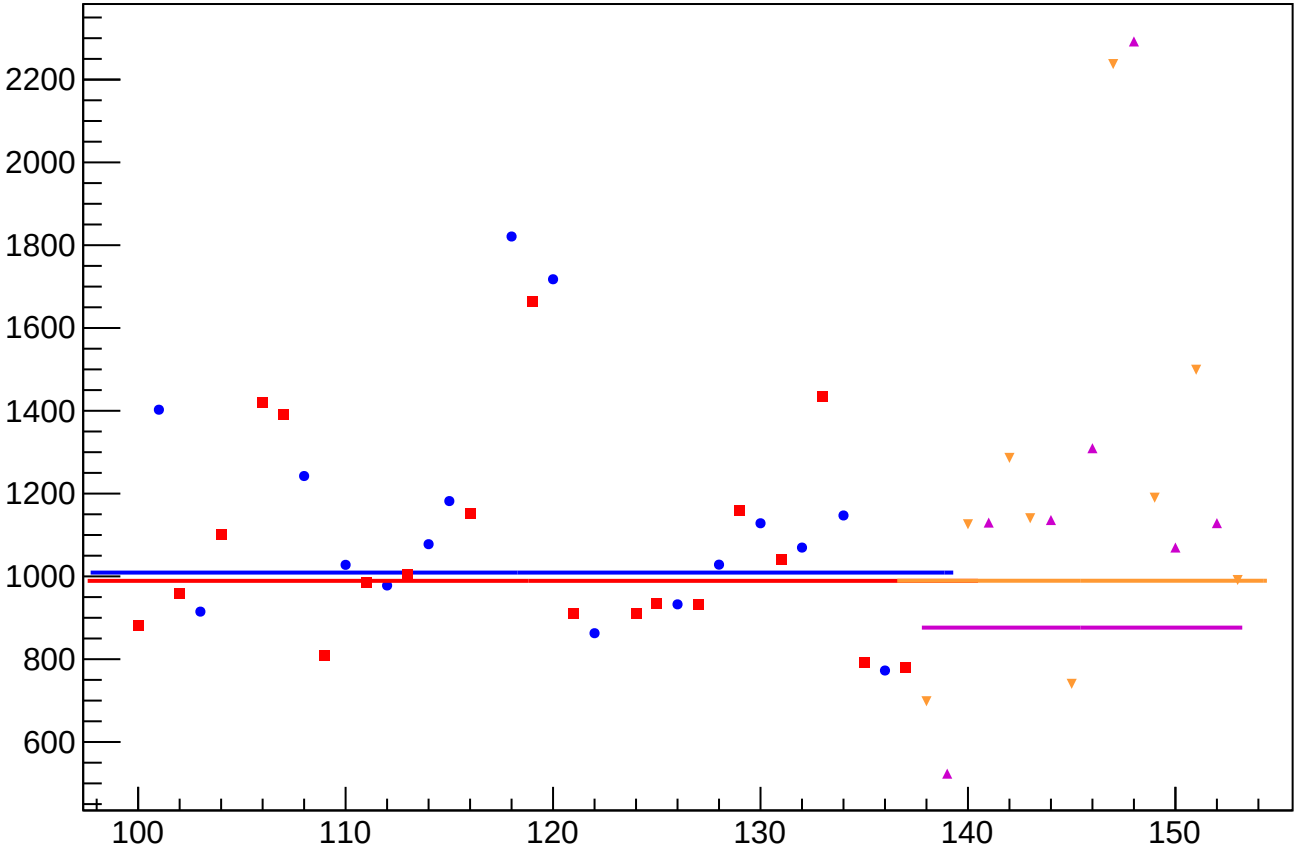
Right: 0.089+/-0.268 χ^2/NDF: 33.4/34

In: 0.051+/-0.275 χ^2/NDF:13.9/22

Out: 0.060+/-0.273 χ^2/NDF:29.7/27

All: 0.055+/-0.194 χ^2/NDF: 43.6/50

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 989.508+/-0.285 χ^2/NDF:1215049.4/8

Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 876.268+/-0.277 χ^2/NDF:1862573.2/6

Left: 931.423+/-0.199 χ^2/NDF: 3158836.5/15

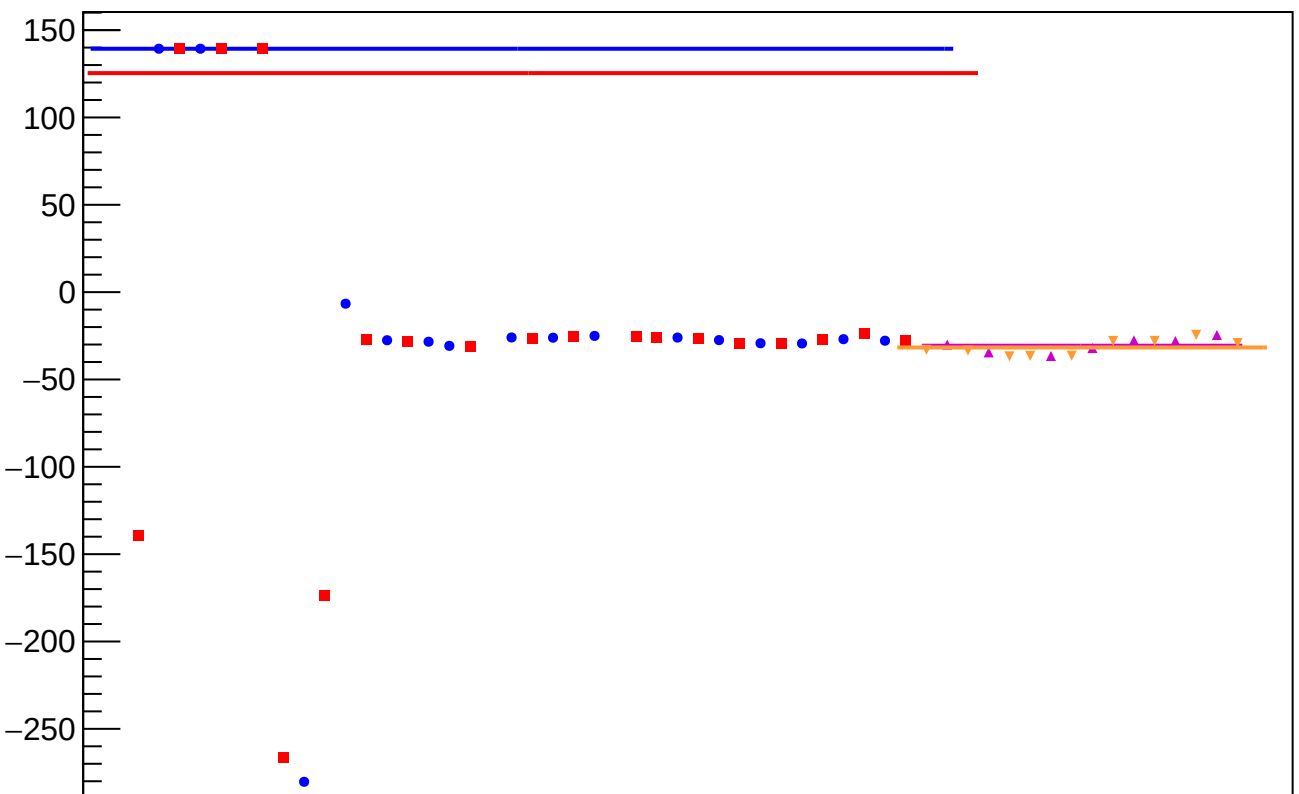
Right: 998.863+/-0.190 χ^2/NDF: 1277836.8/34

In: 943.748+/-0.195 χ^2/NDF:2678537.6/22

Out: 989.367+/-0.193 χ^2/NDF:1790809.7/27

All: 966.719+/-0.137 χ^2/NDF: 4497016.7/50

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 139.337+/-0.000 χ^2/NDF: 47088045550.1/15

Left Out: -31.680+/-0.001 χ^2/NDF:71579459.5/8

Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

Left In: -30.672+/-0.001 χ^2/NDF:50005444.6/6

Left: -31.241+/-0.000 χ^2/NDF: 123146814.9/15

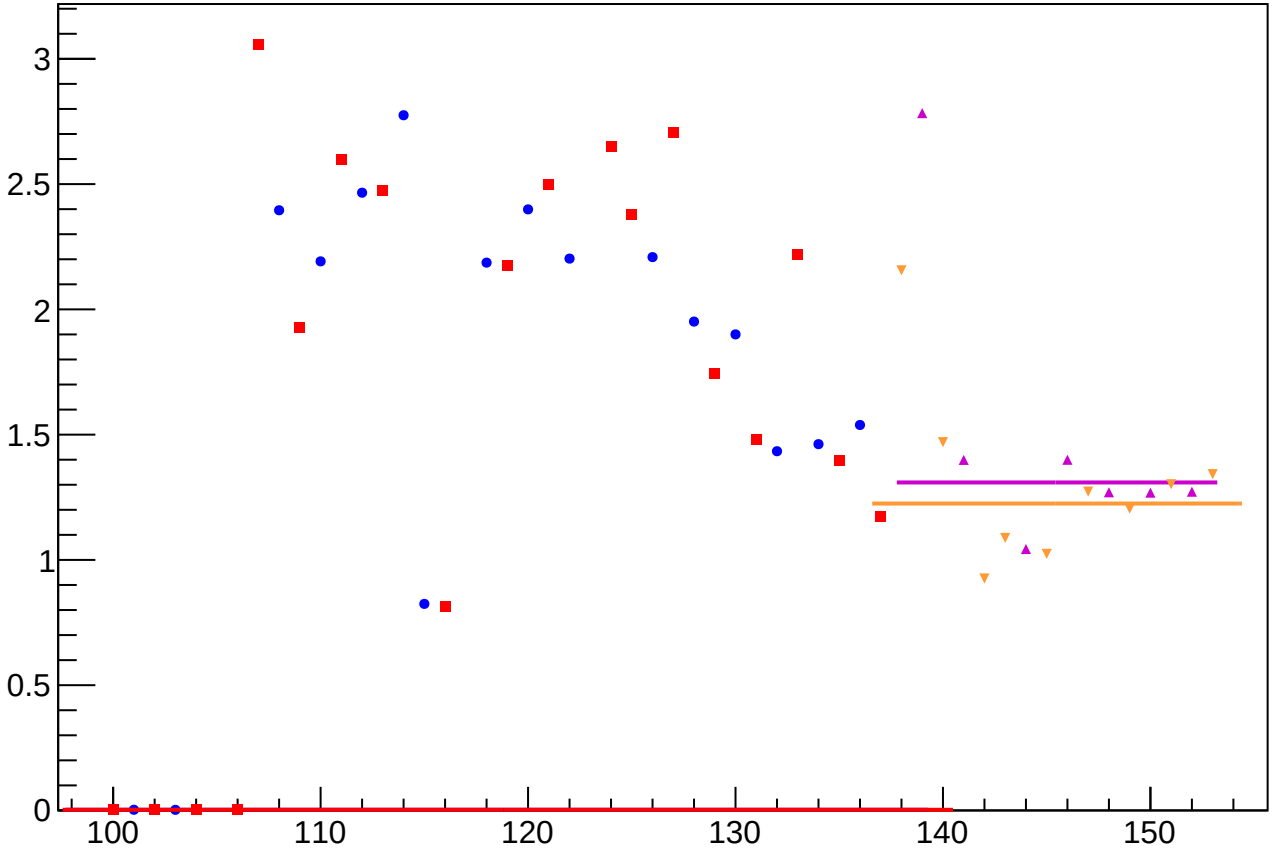
Right: 131.818+/-0.000 χ^2/NDF: 793004999492497

In: 139.334+/-0.000 χ^2/NDF:125873129866.5/22

Out: 125.389+/-0.000 χ^2/NDF:774260211720079.

All: 131.816+/-0.000 χ^2/NDF: 79317133276

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.225+/-0.000 χ^2/NDF:419538.9/8

Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.309+/-0.000 χ^2/NDF:562668.8/6

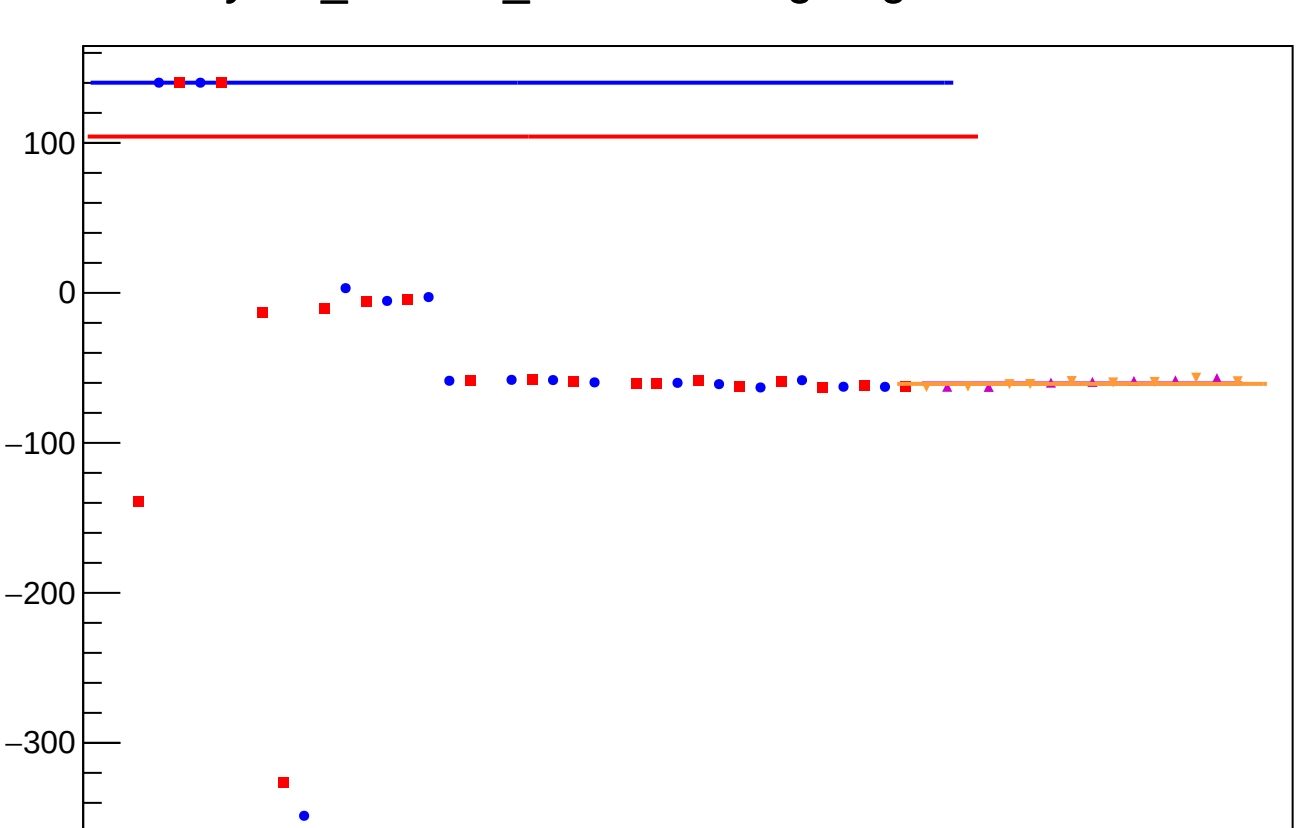
Left: 1.262+/-0.000 χ^2/NDF: 1003966.0/15

Right: 0.003+/-0.000 χ^2/NDF: 19299624.2/34

In: 0.003+/-0.000 χ^2/NDF:19428502.9/22

Out: 0.003+/-0.000 χ^2/NDF:20694734.9/27

All: 0.003+/-0.000 χ^2/NDF: 40123413.1/50



Right In: 140.143+/-0.000 χ^2/NDF: 187461723281.9/15

Left Out: -60.647+/-0.000 χ^2/NDF:34641759.1/8

Right Out: 104.224+/-0.000 χ^2/NDF: 1257401882577977.0/18

Left In: -60.366+/-0.000 χ^2/NDF:43129194.2/6

Left: -60.513+/-0.000 χ^2/NDF: 78095803.5/15

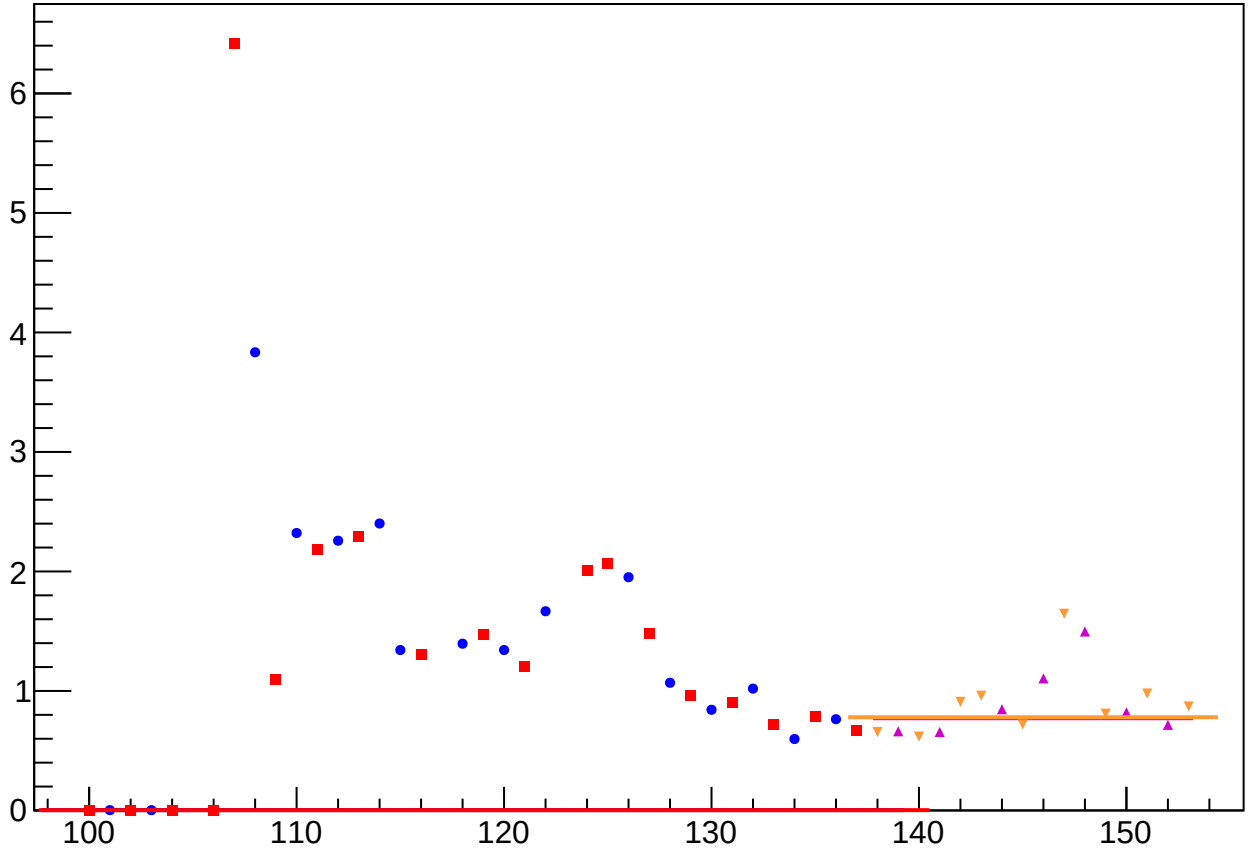
Right: 120.832+/-0.000 χ^2/NDF: 138089570604348

In: 140.135+/-0.000 χ^2/NDF:503714116277.3/22

Out: 104.217+/-0.000 χ^2/NDF:125763488860003

All: 120.824+/-0.000 χ^2/NDF: 13814362842

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.780+/-0.000 χ^2/NDF:689954.9/8

Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.772+/-0.000 χ^2/NDF:565222.4/6

Left: 0.776+/-0.000 χ^2/NDF: 1255686.6/15

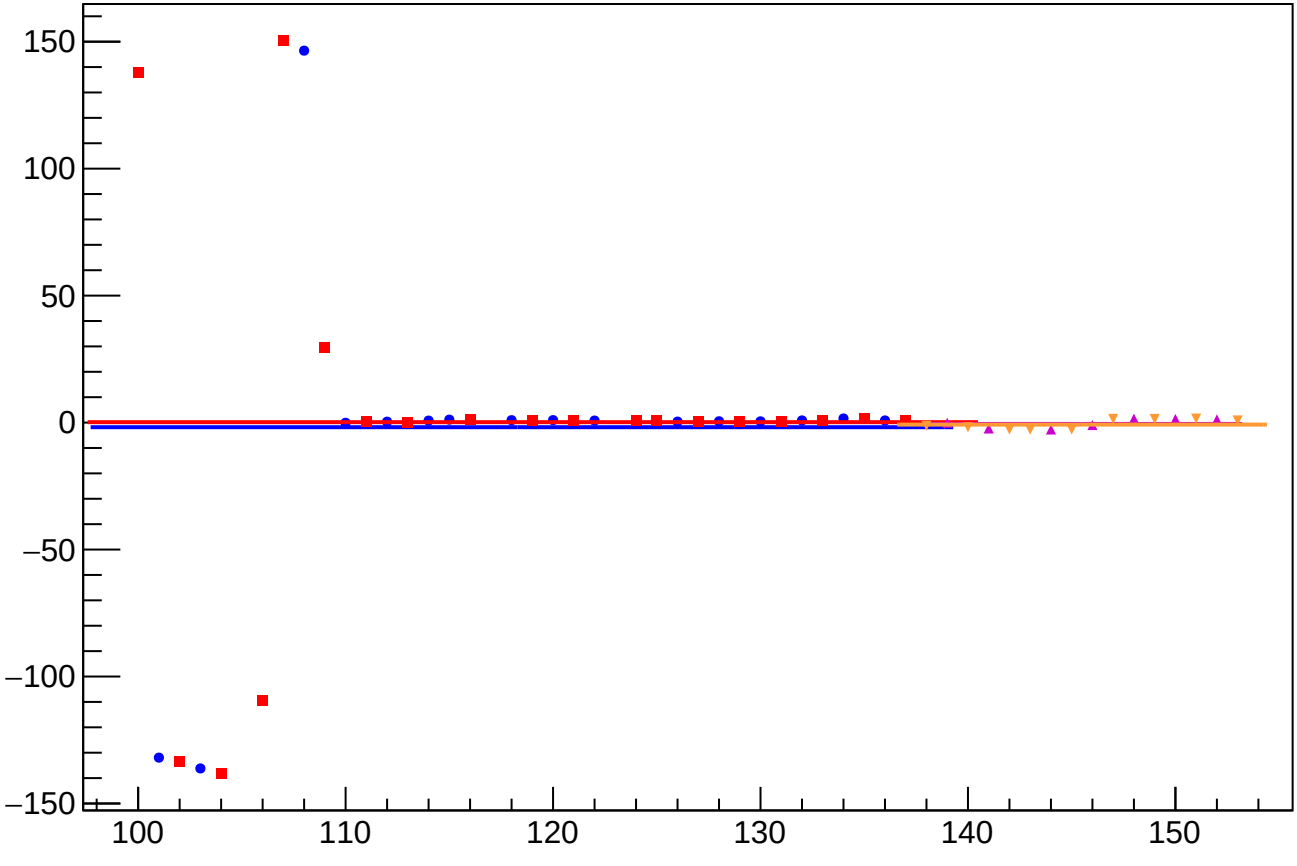
Right: 0.003+/-0.000 χ^2/NDF: 20845702.5/34

In: 0.003+/-0.000 χ^2/NDF:20451876.8/22

Out: 0.003+/-0.000 χ^2/NDF:21309268.3/27

All: 0.003+/-0.000 χ^2/NDF: 41761375.3/50

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: -0.790+/-0.000 χ^2/NDF:70922210.2/8

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

Left In: -0.535+/-0.000 χ^2/NDF:49156139.9/6

Left: -0.679+/-0.000 χ^2/NDF: 120638813.9/15

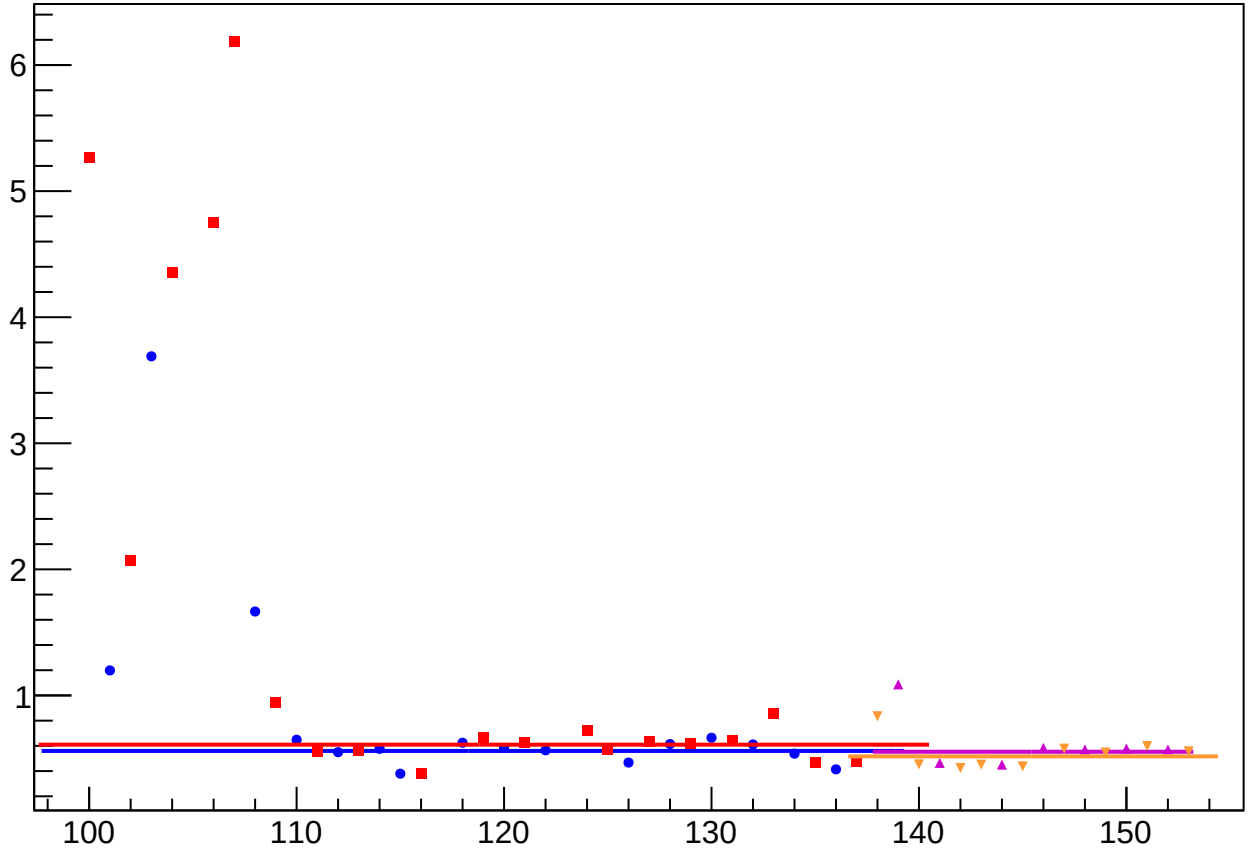
Right: -0.919+/-0.000 χ^2/NDF: 13527173630.8/34

In: -1.193+/-0.000 χ^2/NDF:9949270775.2/22

Out: -0.404+/-0.000 χ^2/NDF:3689438449.4/27

All: -0.788+/-0.000 χ^2/NDF: 13648738191.0/

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.517+/-0.000 χ^2/NDF:359328.6/8

Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.553+/-0.000 χ^2/NDF:526425.6/6

Left: 0.533+/-0.000 χ^2/NDF: 909107.6/15

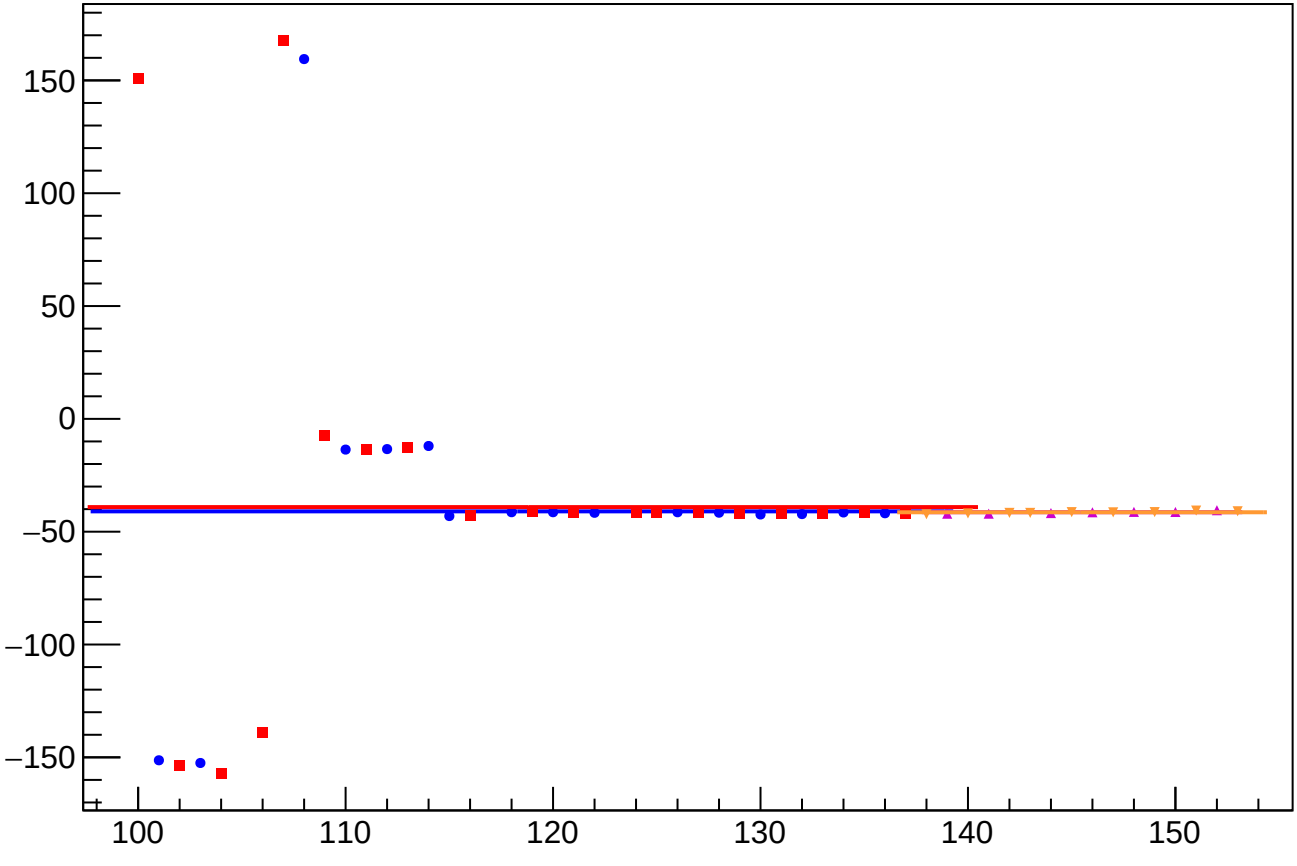
Right: 0.582+/-0.000 χ^2/NDF: 4110324.4/34

In: 0.557+/-0.000 χ^2/NDF:2125528.3/22

Out: 0.554+/-0.000 χ^2/NDF:2972733.7/27

All: 0.555+/-0.000 χ^2/NDF: 5098486.1/50

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -41.389+/-0.000 χ^2/NDF:8226819.0/8

Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

Left In: -41.351+/-0.000 χ^2/NDF:10984992.8/6

Left: -41.372+/-0.000 χ^2/NDF: 19244487.4/15

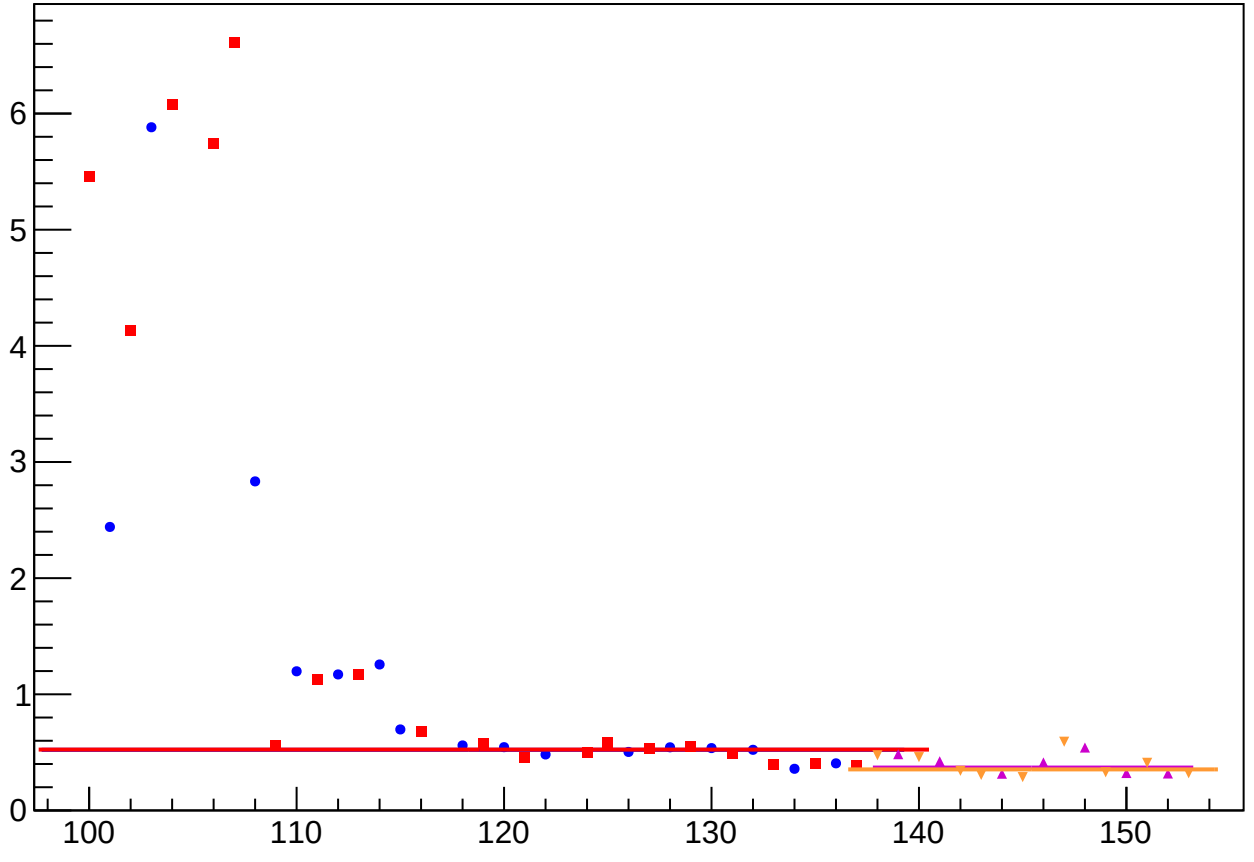
Right: -40.058+/-0.000 χ^2/NDF: 5962079351.2/34

In: -41.237+/-0.000 χ^2/NDF:3462282791.0/22

Out: -40.789+/-0.000 χ^2/NDF:2557522905.9/27

All: -40.996+/-0.000 χ^2/NDF: 6026125941.3/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.353+/-0.000 χ^2/NDF:606021.1/8

Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.369+/-0.000 χ^2/NDF:416853.1/6

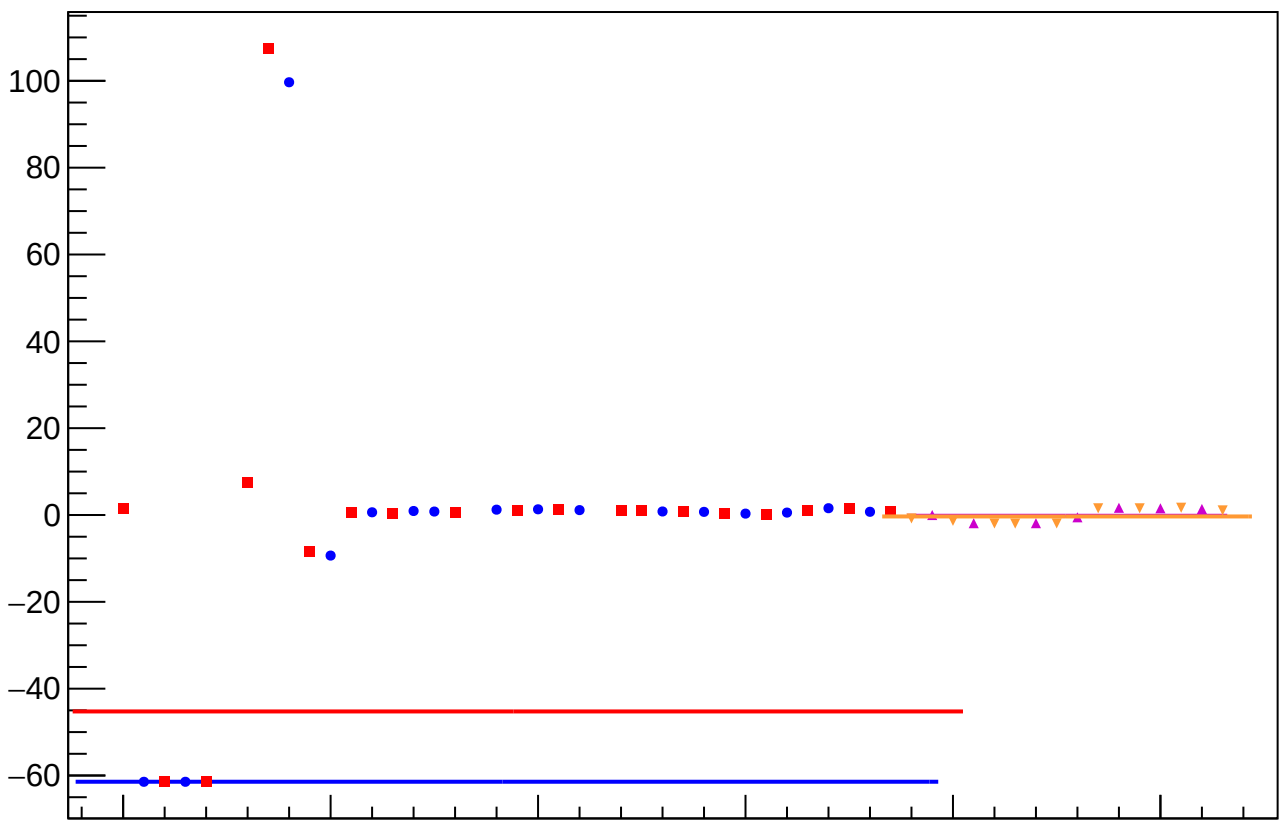
Left: 0.361+/-0.000 χ^2/NDF: 1034053.0/15

Right: 0.523+/-0.000 χ^2/NDF: 6213857.4/34

In: 0.417+/-0.000 χ^2/NDF:3956717.3/22

Out: 0.398+/-0.000 χ^2/NDF:4638611.3/27

All: 0.407+/-0.000 χ^2/NDF: 8618328.9/50



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: -0.334+/-0.000 χ^2/NDF:71093945.5/8

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

Left In: -0.176+/-0.000 χ^2/NDF:52358497.9/6

Left: -0.264+/-0.000 χ^2/NDF: 123758166.8/15

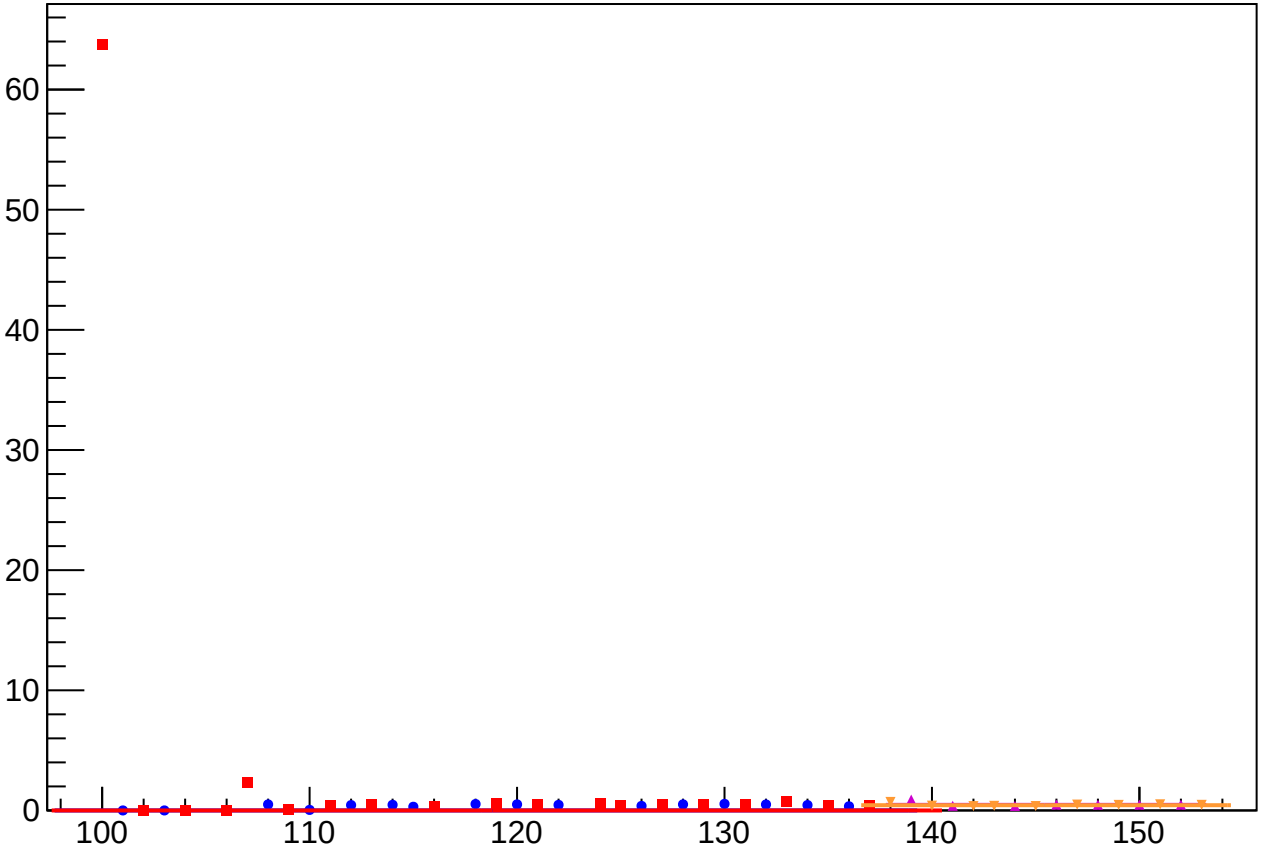
Right: -52.749+/-0.000 χ^2/NDF: 409121918007227

In: -61.432+/-0.000 χ^2/NDF:355067107637.0/22

Out: -45.242+/-0.000 χ^2/NDF:357926342902101.7

All: -52.746+/-0.000 χ^2/NDF: 409258280455

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.437+/-0.000 χ^2/NDF:357847.2/8

Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

Left In: 0.465+/-0.000 χ^2/NDF:521578.1/6

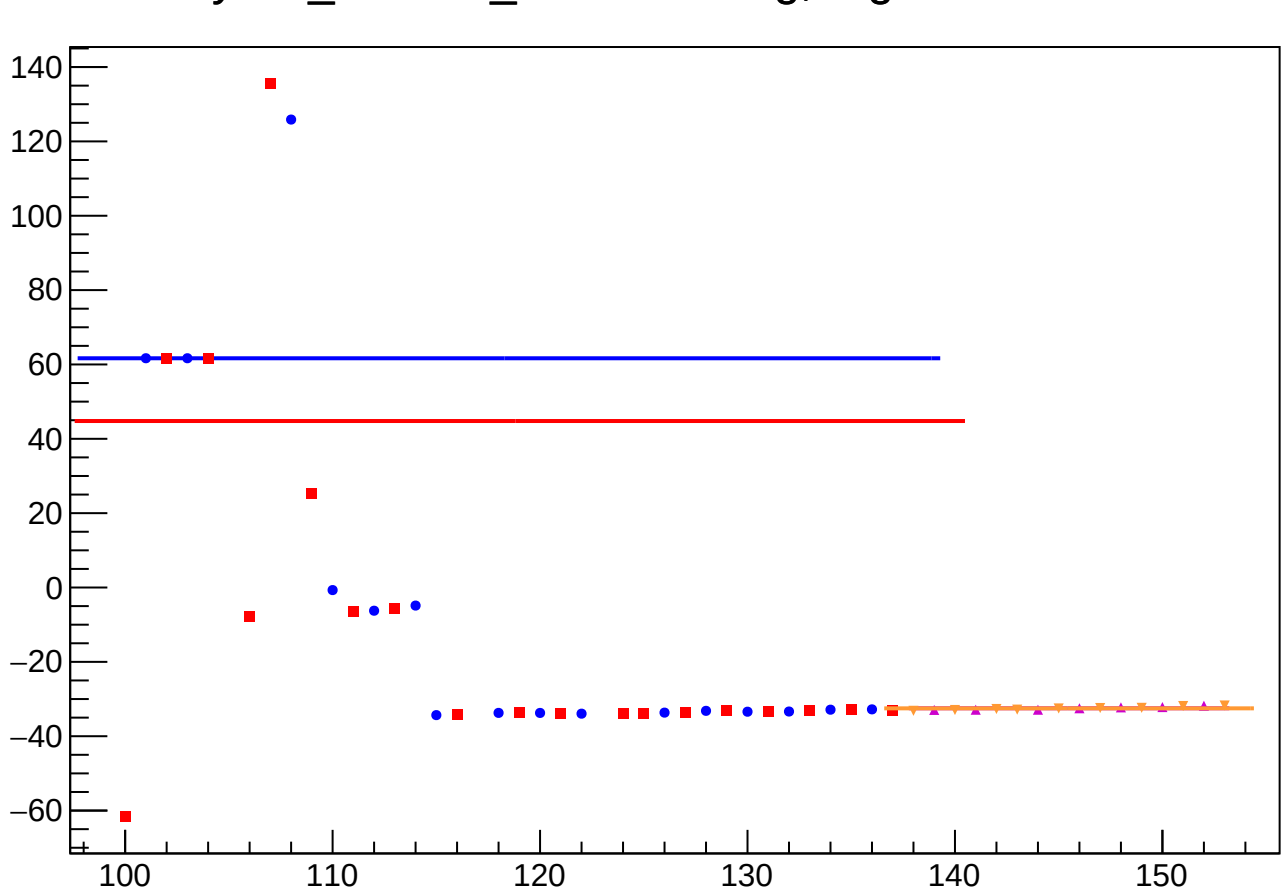
Left: 0.450+/-0.000 χ^2/NDF: 898795.4/15

Right: 0.001+/-0.000 χ^2/NDF: 18501293.3/34

In: 0.001+/-0.000 χ^2/NDF:19027935.1/22

Out: 0.001+/-0.000 χ^2/NDF:20234951.0/27

All: 0.001+/-0.000 χ^2/NDF: 39262886.9/50



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.502+/-0.000 χ^2/NDF:14465969.8/8

Right Out: 44.786+/-0.000 χ^2/NDF: 3660947782299 51.8/18

Left In: -32.482+/-0.000 χ^2/NDF:10885148.9/6

Left: -32.493+/-0.000 χ^2/NDF: 25365202.9/15

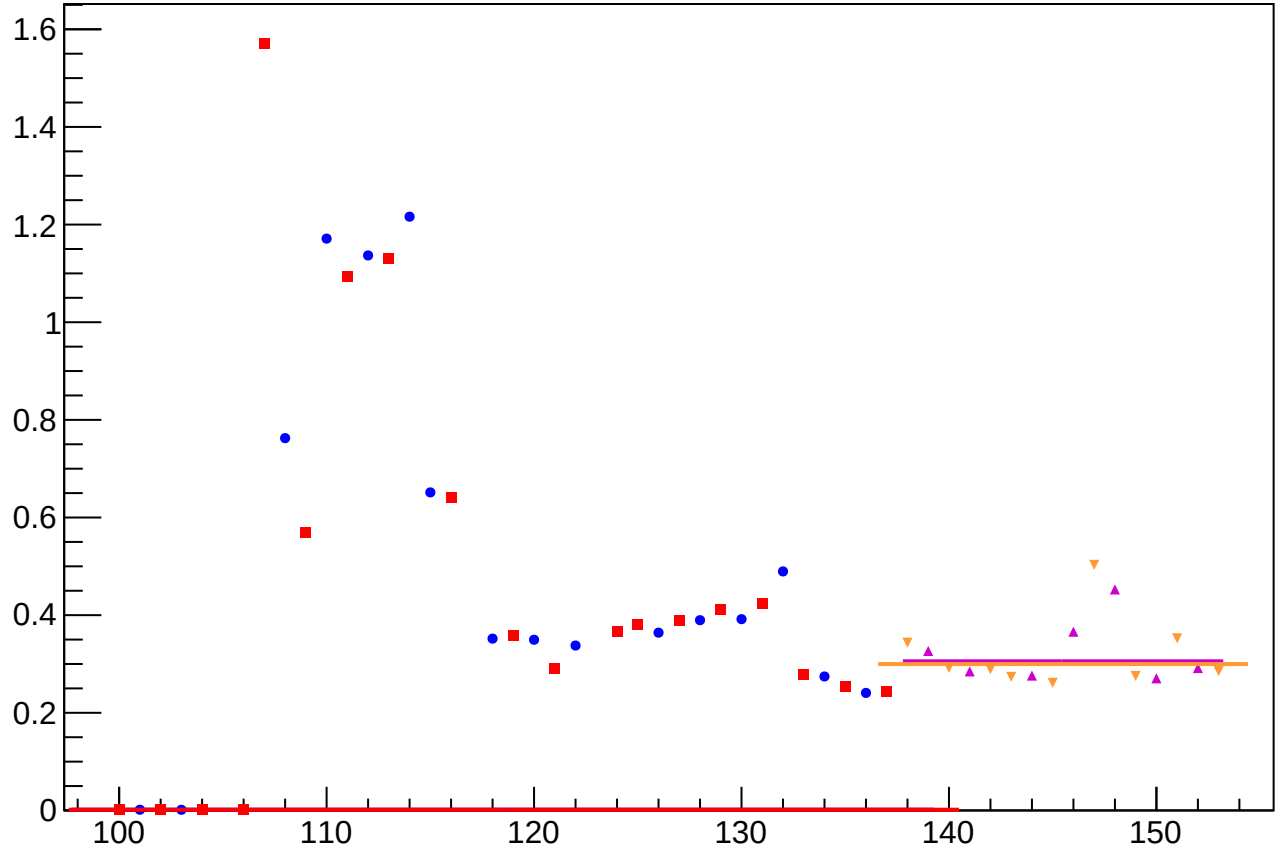
Right: 52.689+/-0.000 χ^2/NDF: 417568081486015.

In: 61.645+/-0.000 χ^2/NDF:912273652756.1/22

Out: 44.771+/-0.000 χ^2/NDF:366528509120248.6

All: 52.673+/-0.000 χ^2/NDF: 4185393130549

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.300+/-0.000 χ^2/NDF:387721.1/8

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

Left In: 0.306+/-0.000 χ^2/NDF:280022.7/6

Left: 0.302+/-0.000 χ^2/NDF: 669937.3/15

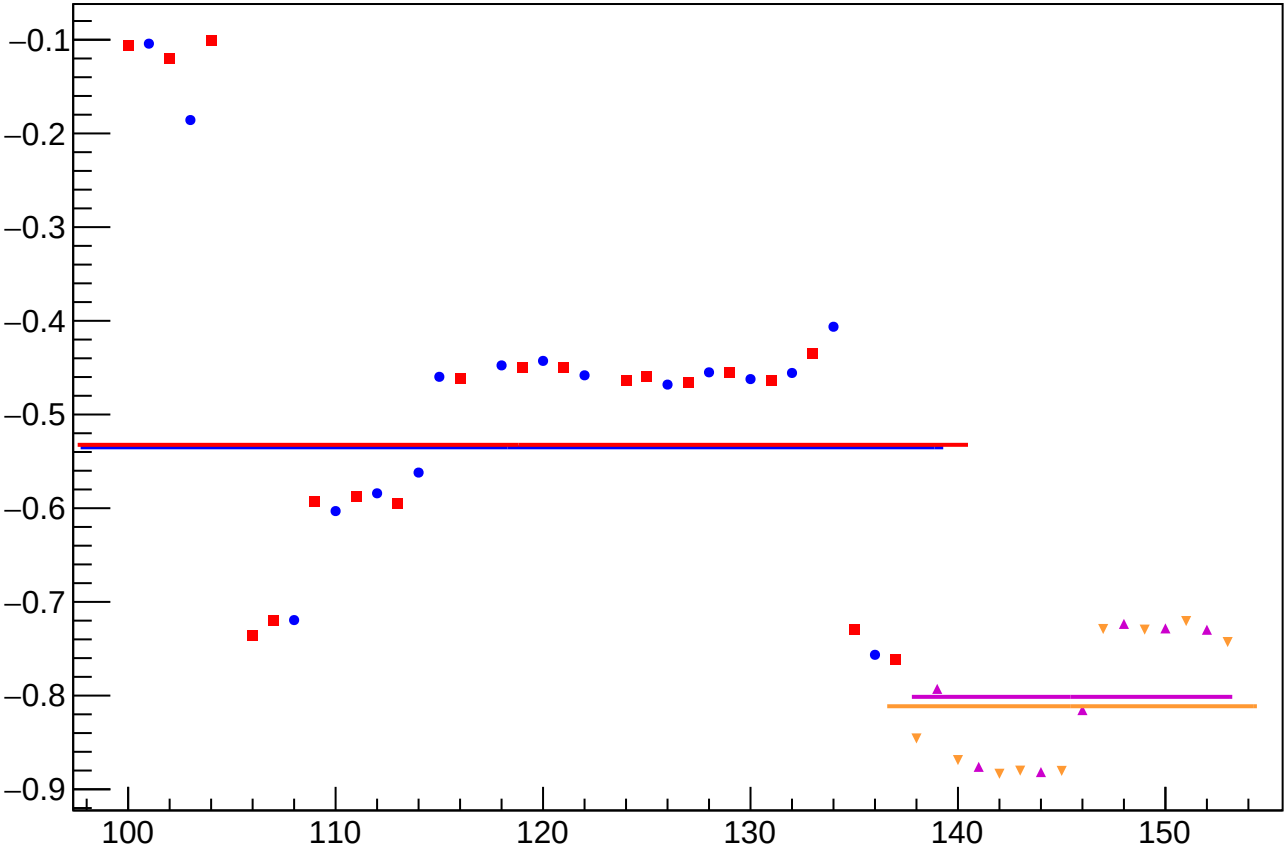
Right: 0.002+/-0.000 χ^2/NDF: 21583912.3/34

In: 0.002+/-0.000 χ^2/NDF:22624527.5/22

Out: 0.002+/-0.000 χ^2/NDF:23863380.9/27

All: 0.002+/-0.000 χ^2/NDF: 46488055.4/50

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.811+/-0.000 χ^2/NDF:77403490.2/8

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

Left In: -0.801+/-0.000 χ^2/NDF:54844258.5/6

Left: -0.807+/-0.000 χ^2/NDF: 132904699.5/15

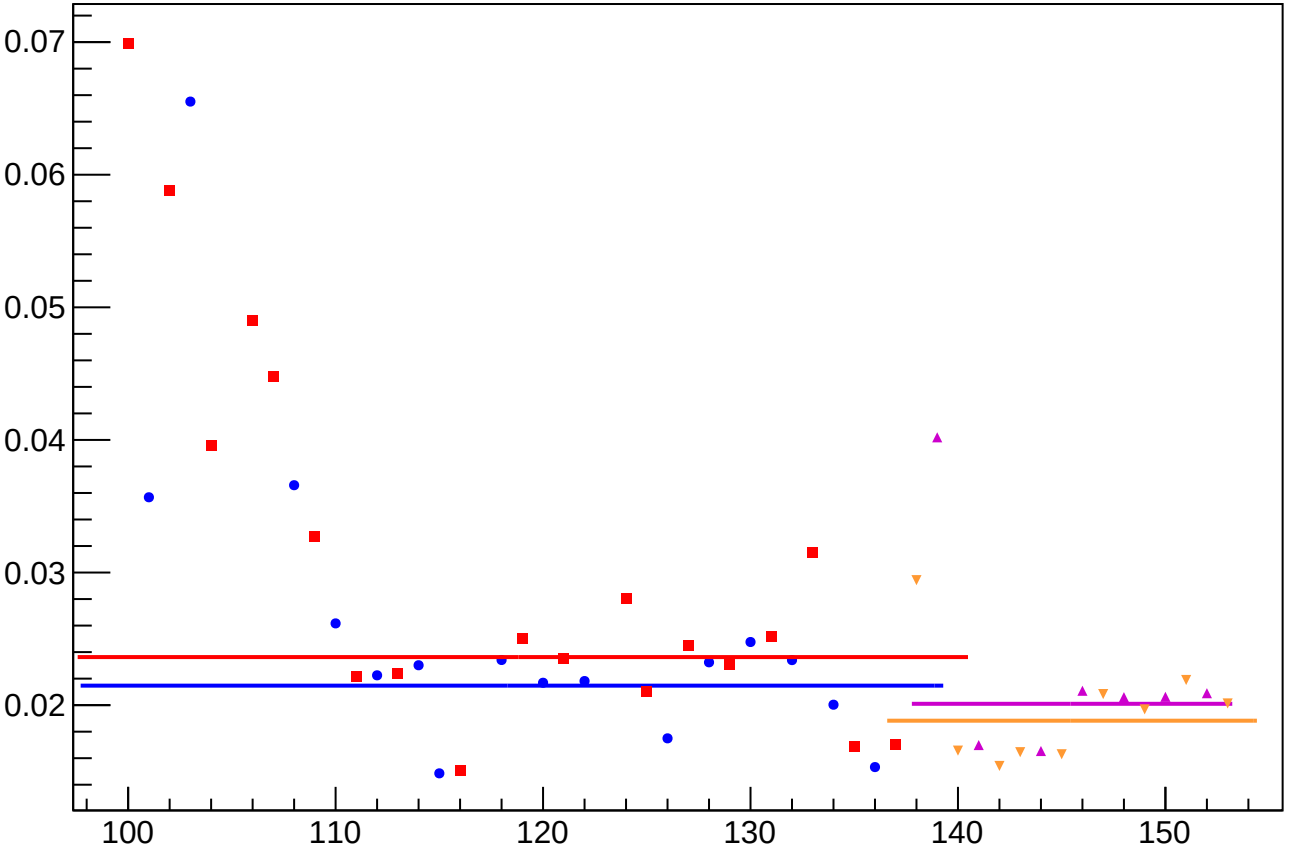
Right: -0.534+/-0.000 χ^2/NDF: 515008587.7/34

In: -0.668+/-0.000 χ^2/NDF:767586644.7/22

Out: -0.699+/-0.000 χ^2/NDF:756955523.2/27

All: -0.684+/-0.000 χ^2/NDF: 1536255686.0/5

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:318580.9/8

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

Left In: 0.020+/-0.000 χ^2/NDF:528899.6/6

Left: 0.019+/-0.000 χ^2/NDF: 868621.4/15

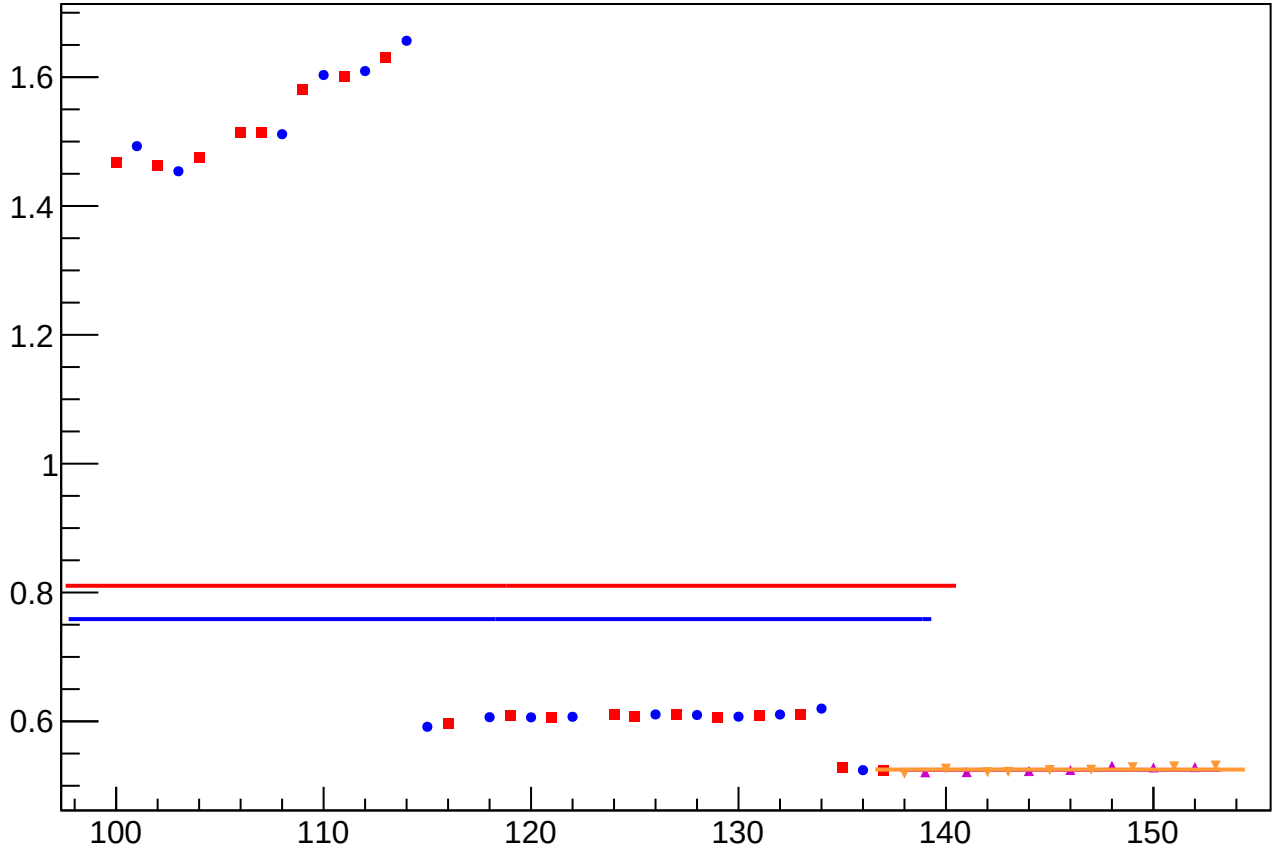
Right: 0.022+/-0.000 χ^2/NDF: 2481109.4/34

In: 0.021+/-0.000 χ^2/NDF:1704680.8/22

Out: 0.021+/-0.000 χ^2/NDF:1870978.0/27

All: 0.021+/-0.000 χ^2/NDF: 3575682.6/50

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.525+/-0.000 χ^2/NDF:731321.9/8

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

Left In: 0.525+/-0.000 χ^2/NDF:443842.4/6

Left: 0.525+/-0.000 χ^2/NDF: 1179609.6/15

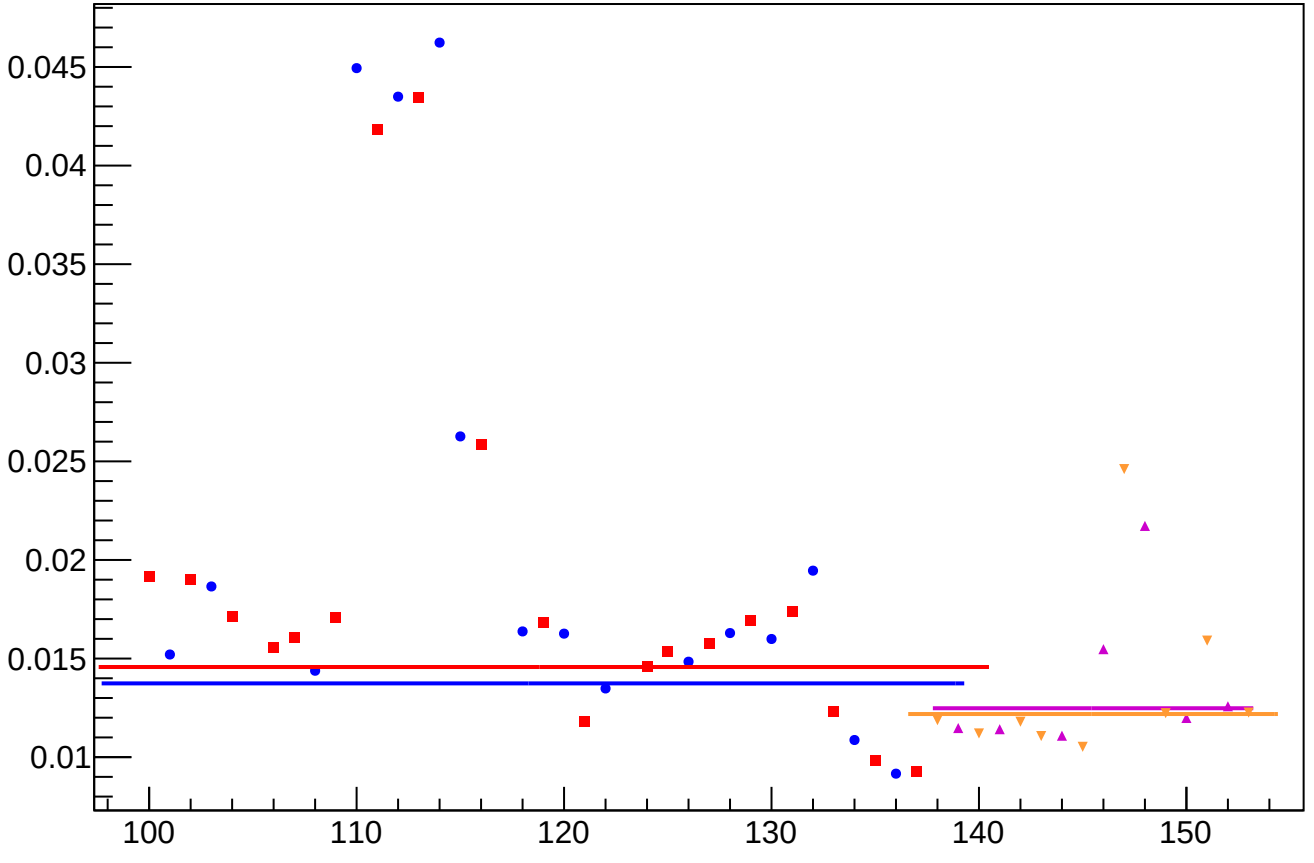
Right: 0.784+/-0.000 χ^2/NDF: 9114268233.2/34

In: 0.633+/-0.000 χ^2/NDF:5229196537.2/22

Out: 0.640+/-0.000 χ^2/NDF:6197496180.4/27

All: 0.637+/-0.000 χ^2/NDF: 11428295315.4/5

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:559017.5/8

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

Left In: 0.012+/-0.000 χ^2/NDF:402365.7/6

Left: 0.012+/-0.000 χ^2/NDF: 964787.3/15

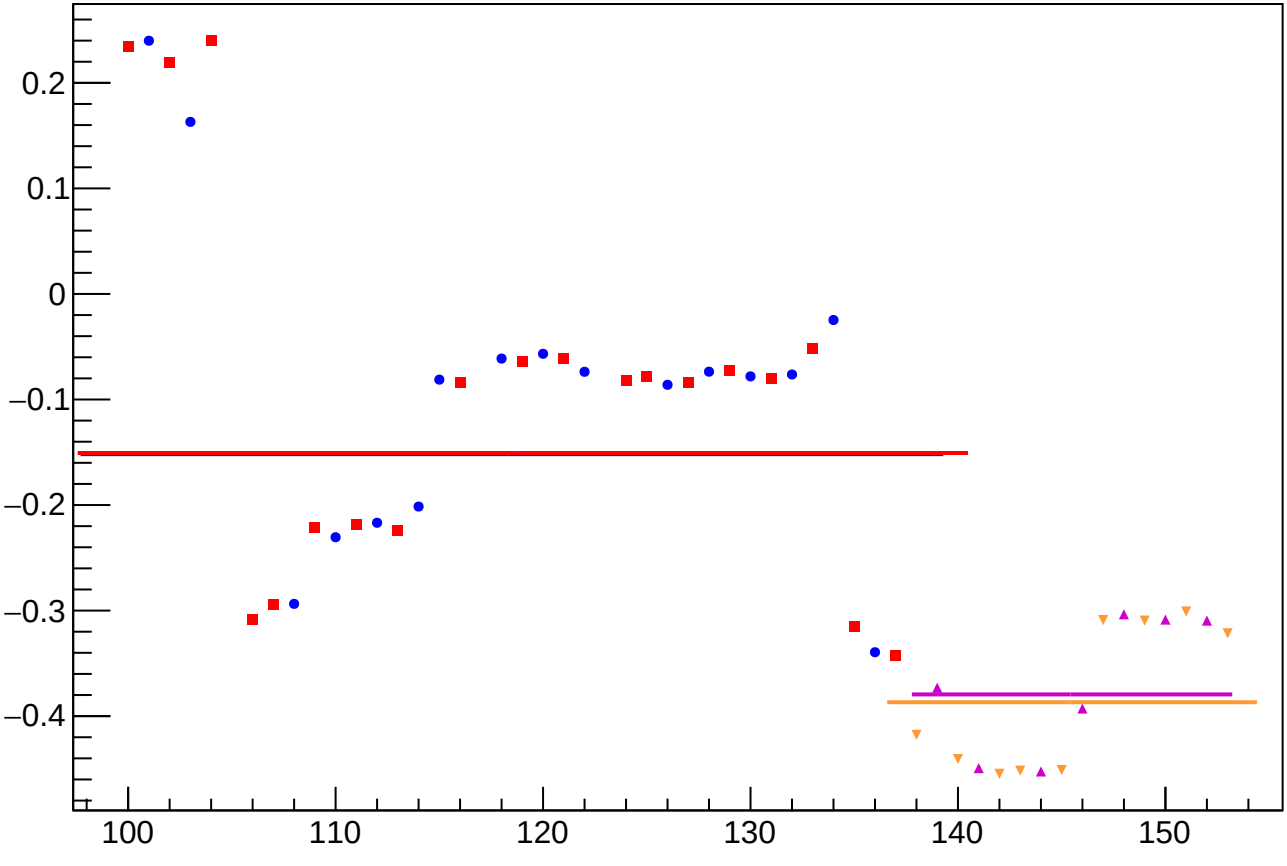
Right: 0.014+/-0.000 χ^2/NDF: 3125814.5/34

In: 0.013+/-0.000 χ^2/NDF:2105761.5/22

Out: 0.013+/-0.000 χ^2/NDF:2213445.7/27

All: 0.013+/-0.000 χ^2/NDF: 4319684.5/50

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.387+/-0.000 χ^2/NDF:75999939.1/8

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

Left In: -0.379+/-0.000 χ^2/NDF:55133308.7/6

Left: -0.384+/-0.000 χ^2/NDF: 131531524.1/15

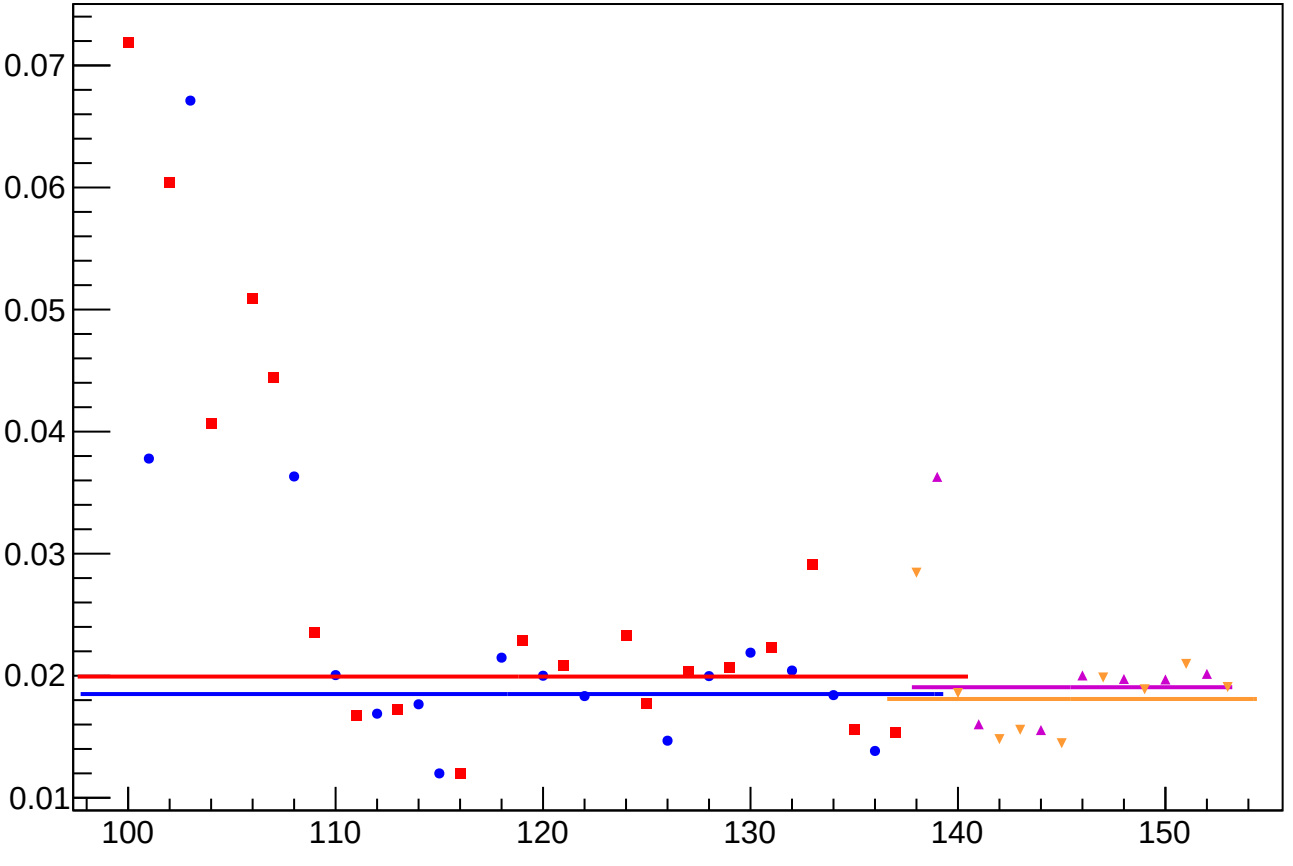
Right: -0.151+/-0.000 χ^2/NDF: 476210345.8/34

In: -0.256+/-0.000 χ^2/NDF:697773291.8/22

Out: -0.279+/-0.000 χ^2/NDF:691043961.8/27

All: -0.268+/-0.000 χ^2/NDF: 1396564601.9/5

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:353718.7/8

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

Left In: 0.019+/-0.000 χ^2/NDF:502315.7/6

Left: 0.019+/-0.000 χ^2/NDF: 869485.1/15

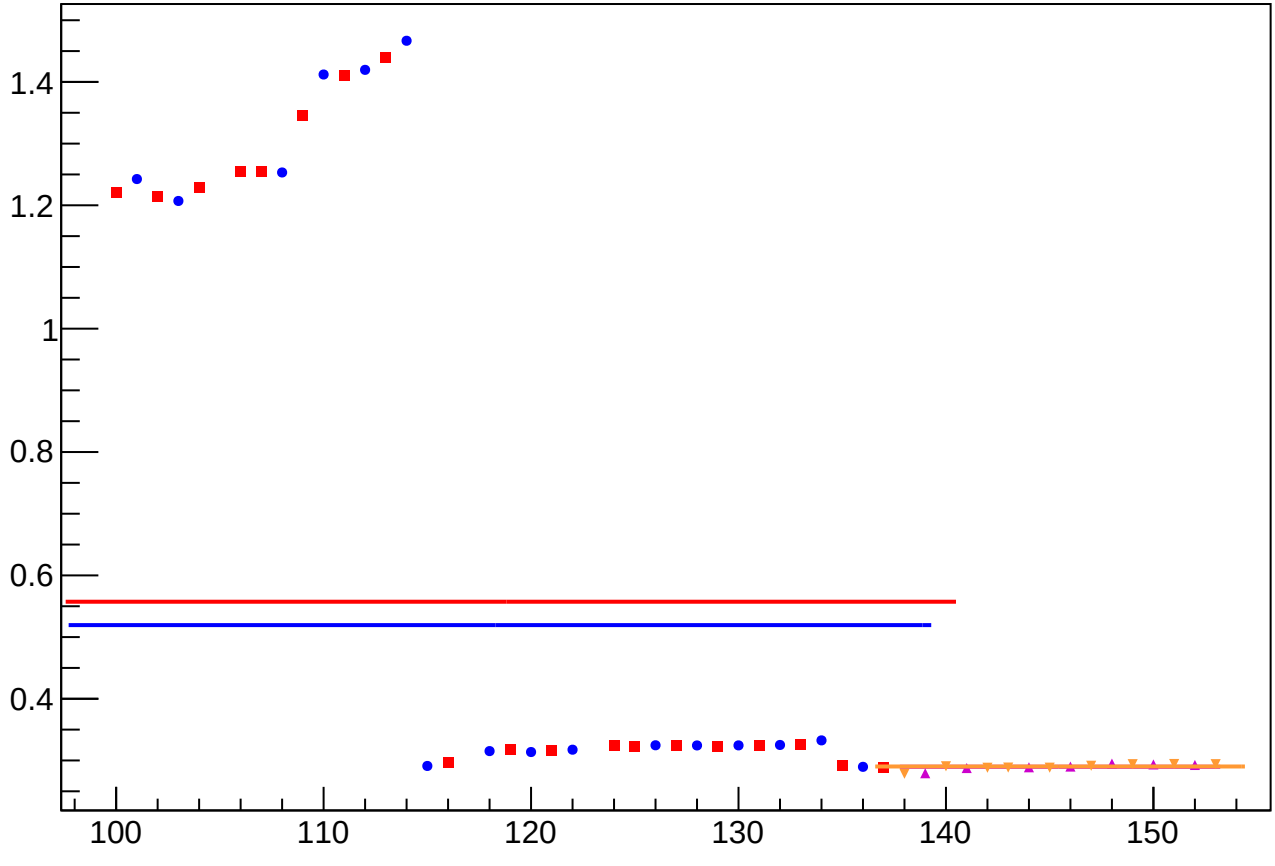
Right: 0.019+/-0.000 χ^2/NDF: 2949710.8/34

In: 0.019+/-0.000 χ^2/NDF:1879105.5/22

Out: 0.019+/-0.000 χ^2/NDF:1951535.6/27

All: 0.019+/-0.000 χ^2/NDF: 3831564.5/50

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.519+/-0.000 χ^2/NDF: 6319132275.3/15

Left Out: 0.290+/-0.000 χ^2/NDF:950355.0/8

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

Left In: 0.290+/-0.000 χ^2/NDF:913290.7/6

Left: 0.290+/-0.000 χ^2/NDF: 1868835.5/15

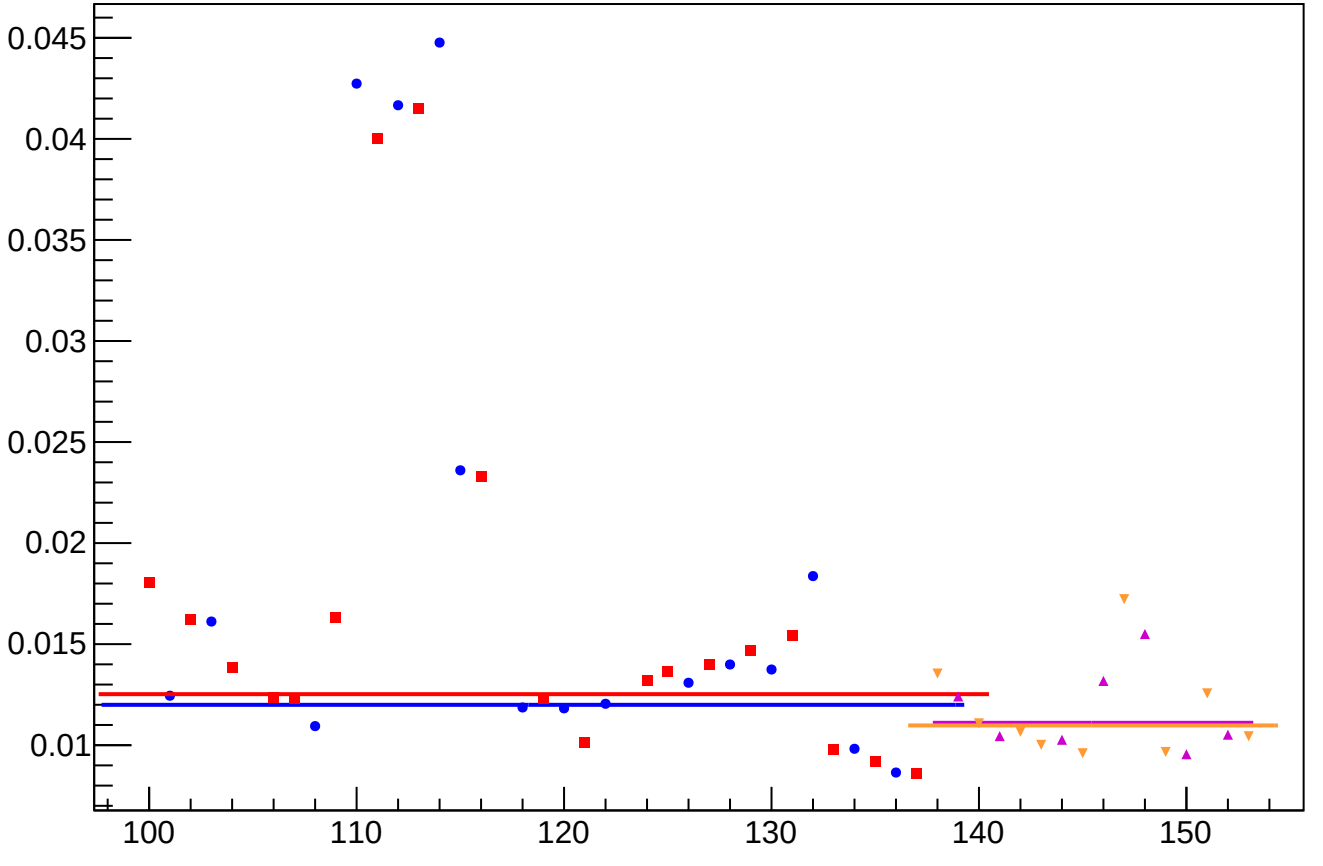
Right: 0.538+/-0.000 χ^2/NDF: 13094140546.7/34

In: 0.398+/-0.000 χ^2/NDF:7474597796.0/22

Out: 0.402+/-0.000 χ^2/NDF:8366480359.4/27

All: 0.400+/-0.000 χ^2/NDF: 15841790957.3/5

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:371270.6/8

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

Left In: 0.011+/-0.000 χ^2/NDF:256599.2/6

Left: 0.011+/-0.000 χ^2/NDF: 628729.1/15

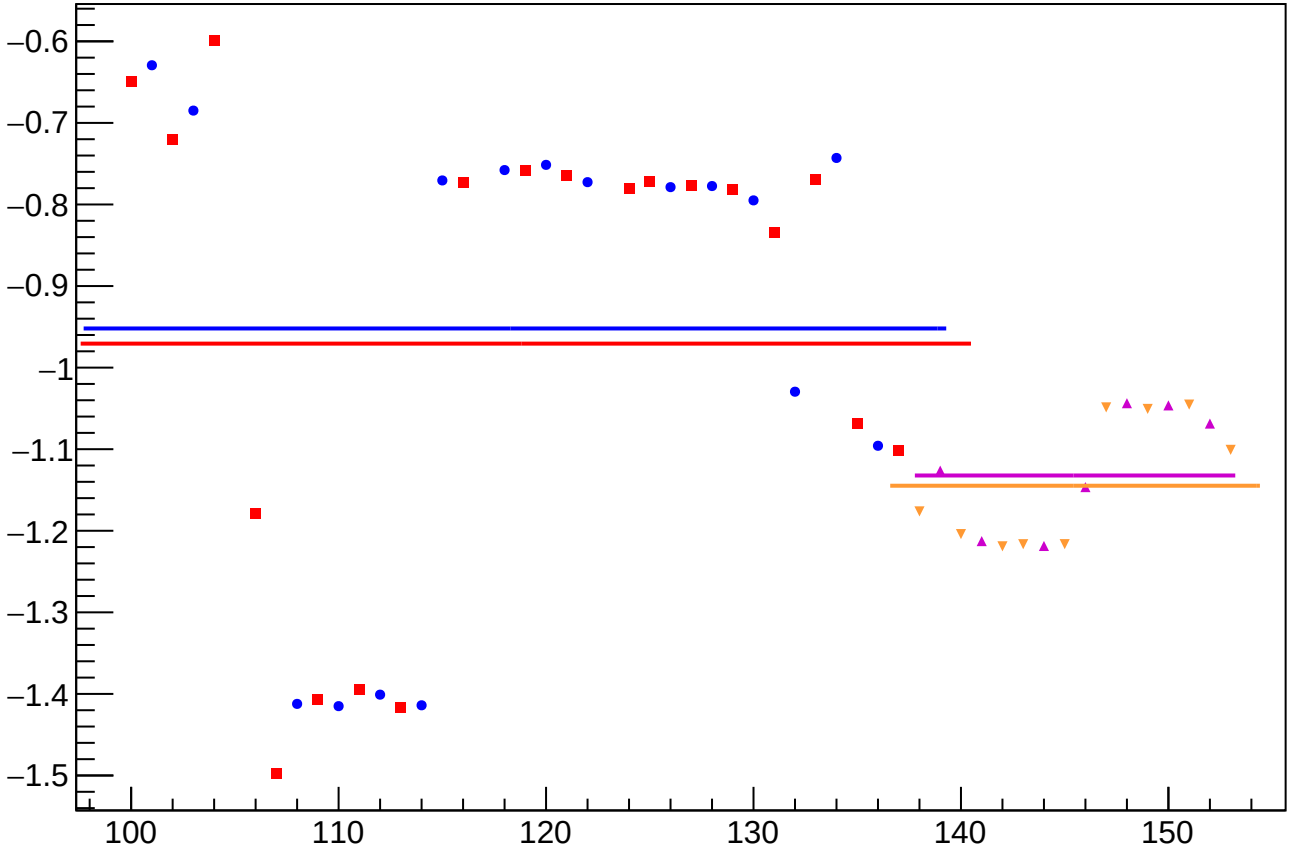
Right: 0.012+/-0.000 χ^2/NDF: 2937026.7/34

In: 0.012+/-0.000 χ^2/NDF:1782871.4/22

Out: 0.012+/-0.000 χ^2/NDF:1914400.1/27

All: 0.012+/-0.000 χ^2/NDF: 3698135.1/50

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.145+/-0.000 χ^2/NDF:89430132.9/8

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

Left In: -1.132+/-0.000 χ^2/NDF:67076162.7/6

Left: -1.139+/-0.000 χ^2/NDF: 157583775.0/15

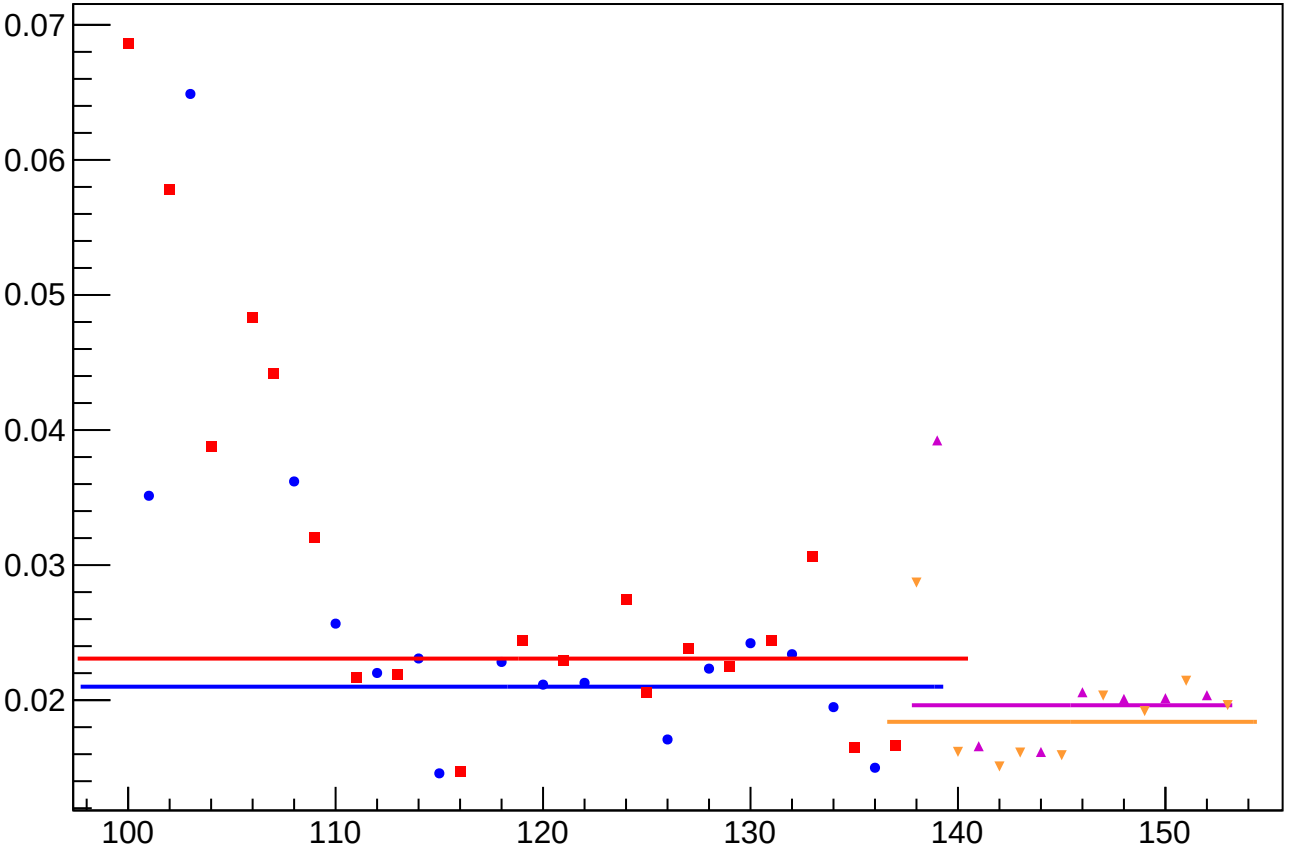
Right: -0.961+/-0.000 χ^2/NDF: 1415910427.1/34

In: -1.042+/-0.000 χ^2/NDF:964063171.5/22

Out: -1.075+/-0.000 χ^2/NDF:993692268.9/27

All: -1.059+/-0.000 χ^2/NDF: 1971168860.2/5

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:316587.9/8

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

Left In: 0.020+/-0.000 χ^2/NDF:527838.9/6

Left: 0.019+/-0.000 χ^2/NDF: 865025.6/15

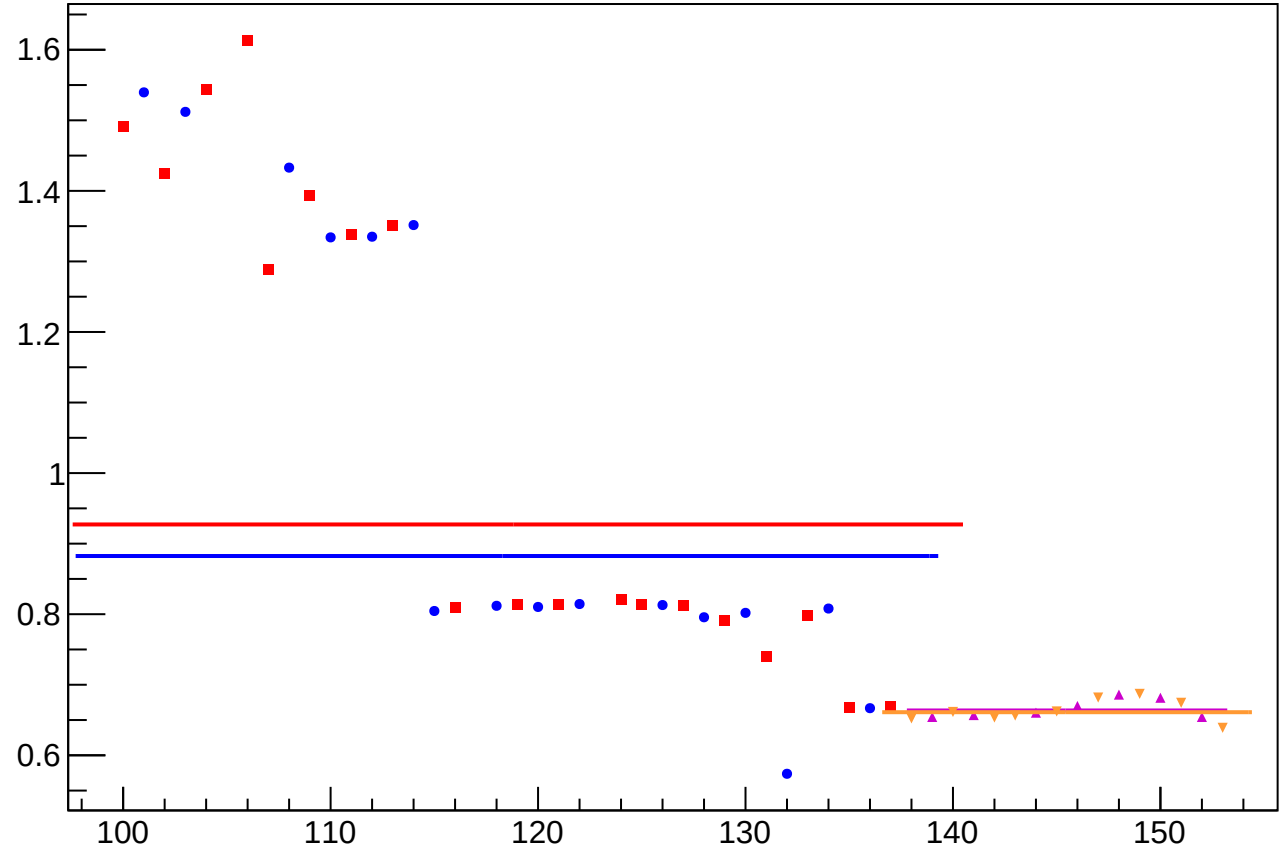
Right: 0.022+/-0.000 χ^2/NDF: 2496865.9/34

In: 0.020+/-0.000 χ^2/NDF:1717816.4/22

Out: 0.020+/-0.000 χ^2/NDF:1872022.1/27

All: 0.020+/-0.000 χ^2/NDF: 3589871.6/50

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.661+/-0.000 χ^2/NDF:8193021.3/8

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

Left In: 0.664+/-0.000 χ^2/NDF:4267337.3/6

Left: 0.662+/-0.000 χ^2/NDF: 12578500.4/15

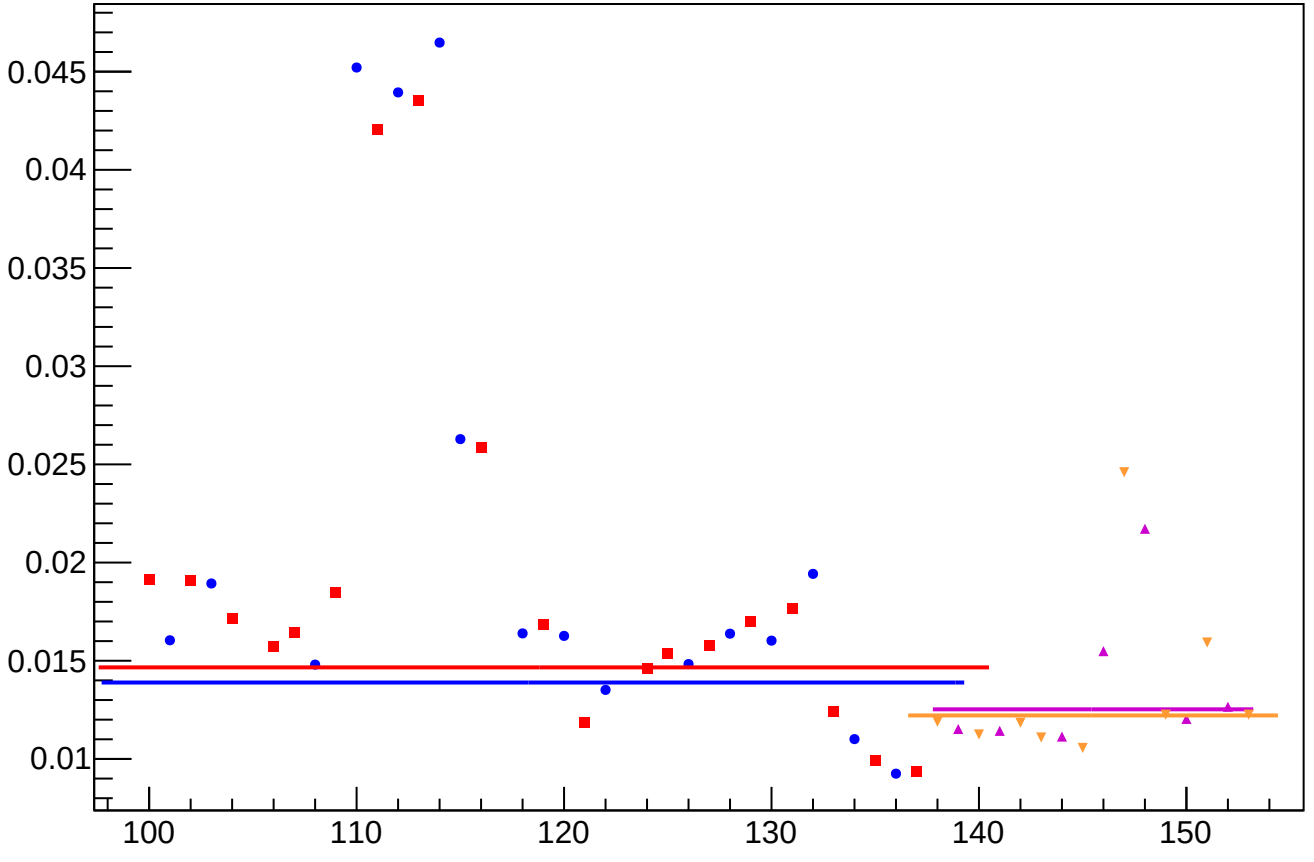
Right: 0.904+/-0.000 χ^2/NDF: 5576917007.9/34

In: 0.764+/-0.000 χ^2/NDF:3583256270.6/22

Out: 0.768+/-0.000 χ^2/NDF:3997356851.7/27

All: 0.766+/-0.000 χ^2/NDF: 7580985283.7/50

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:554585.5/8

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

Left In: 0.013+/-0.000 χ^2/NDF:398066.3/6

Left: 0.012+/-0.000 χ^2/NDF: 956461.8/15

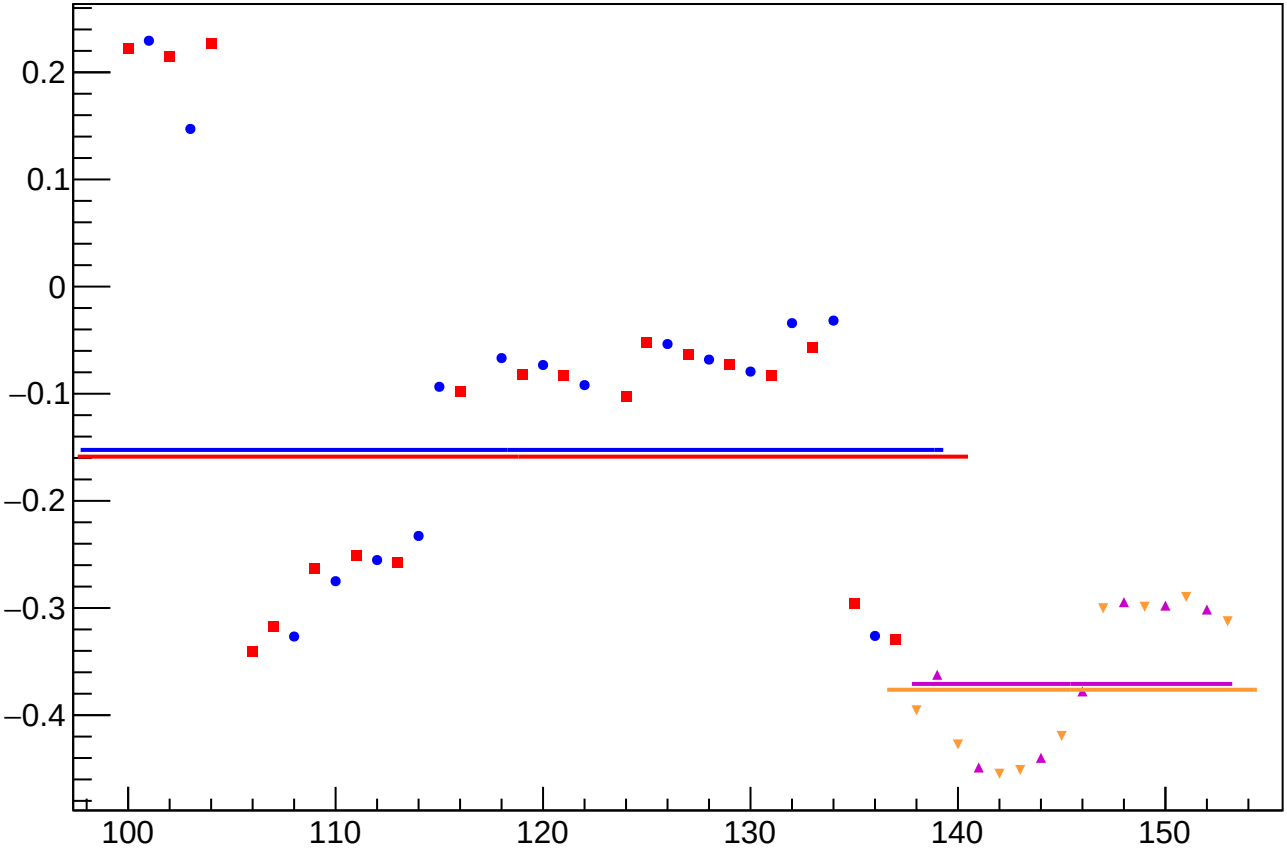
Right: 0.014+/-0.000 χ^2/NDF: 3131409.7/34

In: 0.013+/-0.000 χ^2/NDF:2106542.1/22

Out: 0.013+/-0.000 χ^2/NDF:2229004.9/27

All: 0.013+/-0.000 χ^2/NDF: 4335656.6/50

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.376+/-0.000 χ^2/NDF:72993632.5/8

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

Left In: -0.371+/-0.000 χ^2/NDF:56070939.5/6

Left: -0.374+/-0.000 χ^2/NDF: 129276252.9/15

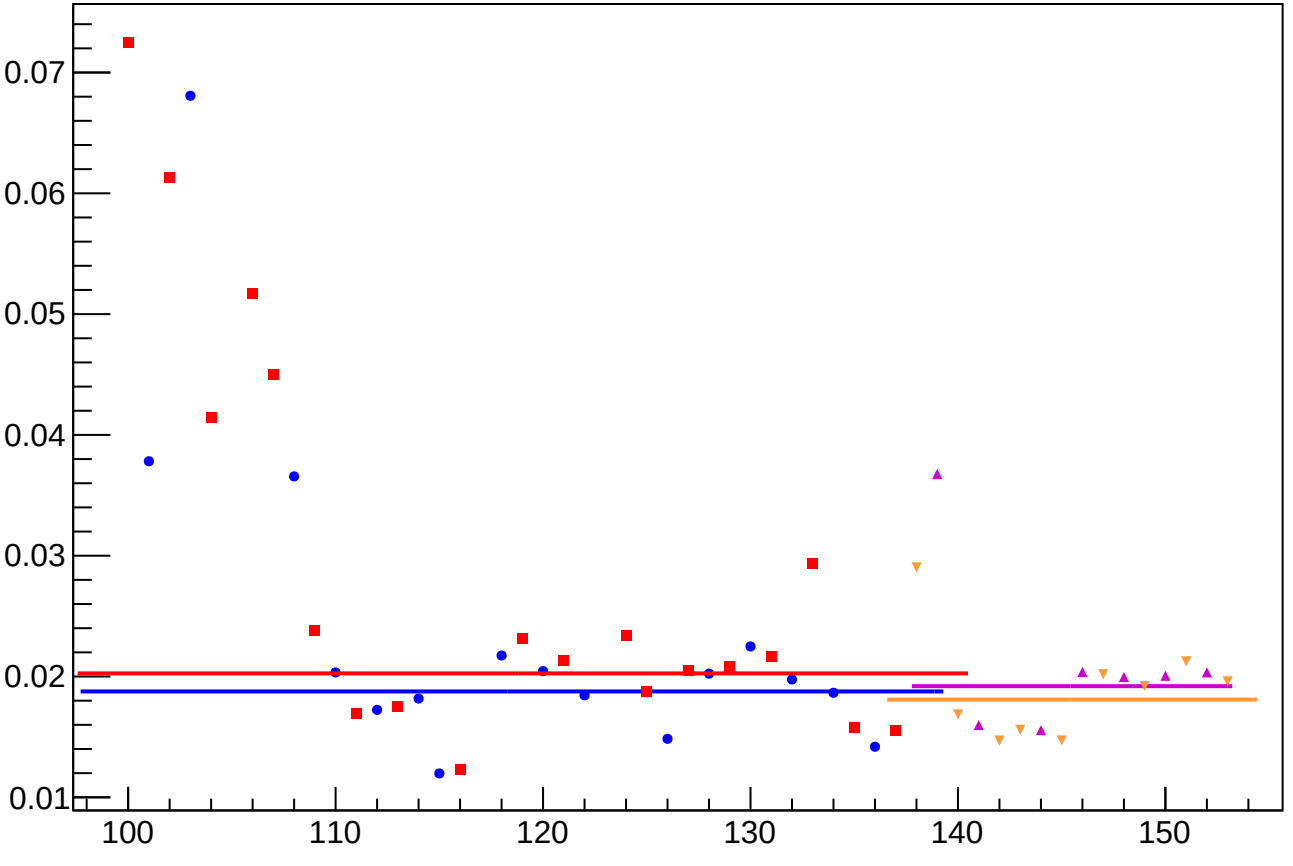
Right: -0.155+/-0.000 χ^2/NDF: 470153865.7/34

In: -0.253+/-0.000 χ^2/NDF:659907670.1/22

Out: -0.278+/-0.000 χ^2/NDF:614216150.0/27

All: -0.266+/-0.000 χ^2/NDF: 1283350475.7/5

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:380369.9/8

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

Left In: 0.019+/-0.000 χ^2/NDF:520029.5/6

Left: 0.019+/-0.000 χ^2/NDF: 918131.6/15

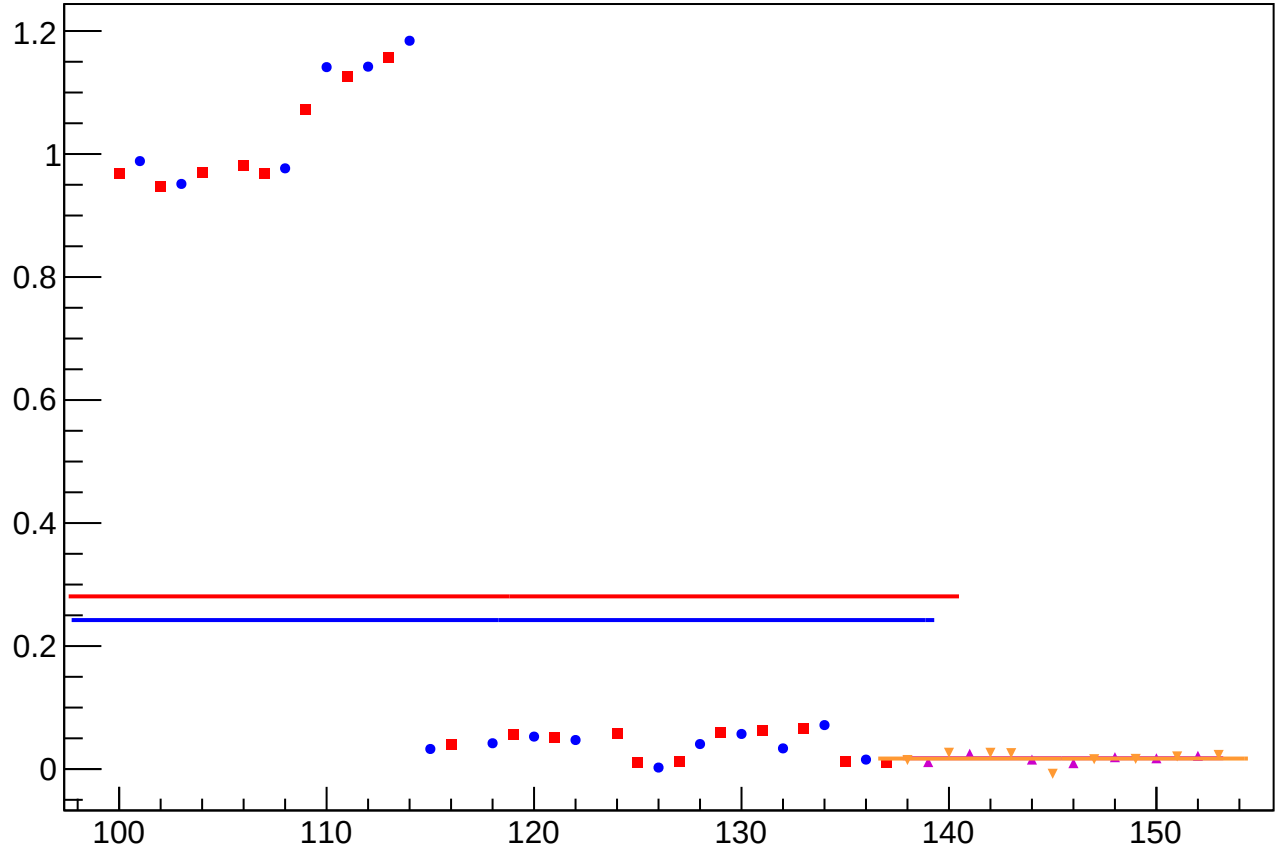
Right: 0.019+/-0.000 χ^2/NDF: 2910384.5/34

In: 0.019+/-0.000 χ^2/NDF:1872073.2/22

Out: 0.019+/-0.000 χ^2/NDF:1978660.7/27

All: 0.019+/-0.000 χ^2/NDF: 3851007.7/50

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.242+/-0.000 χ^2/NDF: 6507444426.7/15

Left Out: 0.017+/-0.000 χ^2/NDF:7177320.4/8

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

Left In: 0.018+/-0.000 χ^2/NDF:1119287.6/6

Left: 0.017+/-0.000 χ^2/NDF: 8304354.2/15

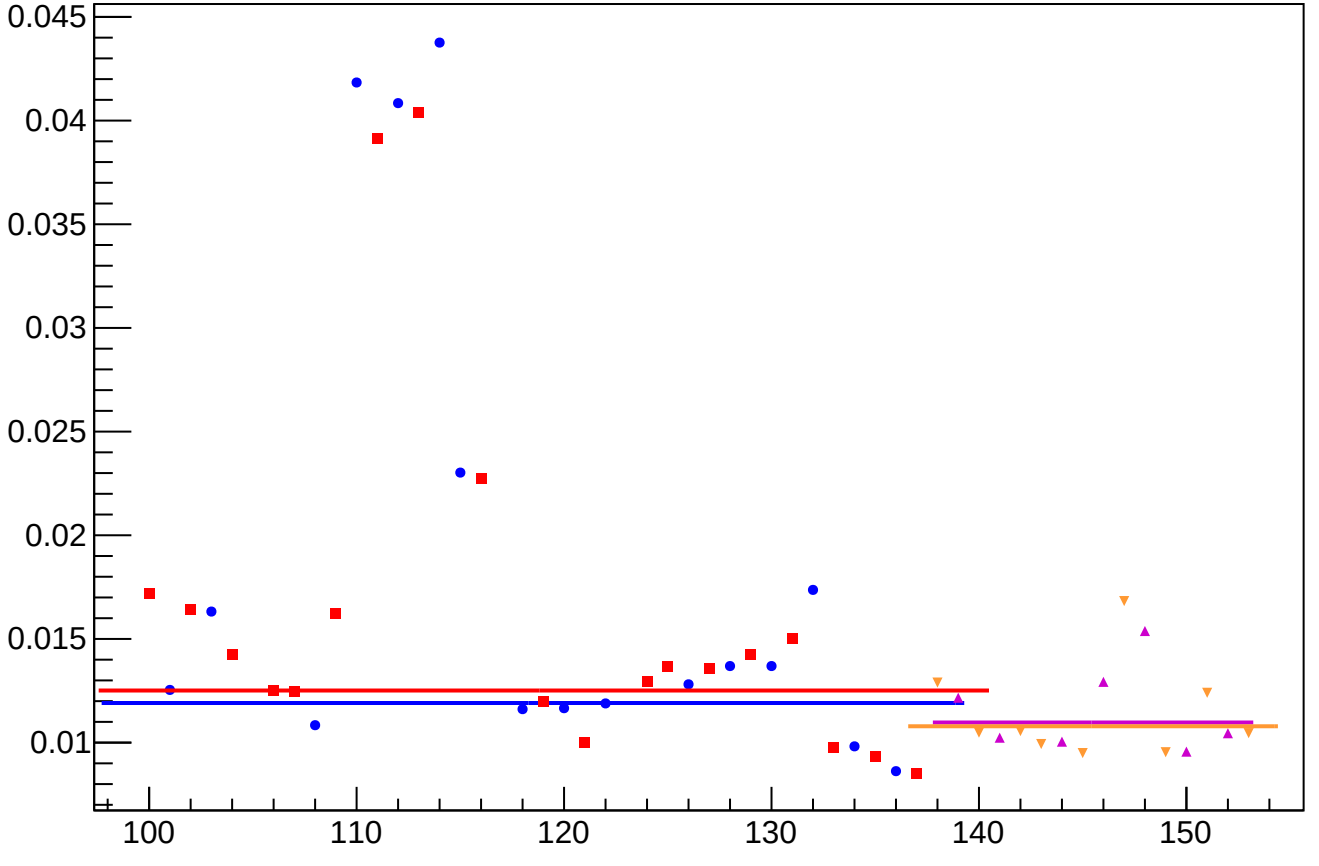
Right: 0.261+/-0.000 χ^2/NDF: 13295182324.5/34

In: 0.123+/-0.000 χ^2/NDF:7635850112.5/22

Out: 0.125+/-0.000 χ^2/NDF:8369612498.4/27

All: 0.124+/-0.000 χ^2/NDF: 16005717776.0/5

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1459428.8/15

Left Out: 0.011+/-0.000 χ^2/NDF:344671.7/8

Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:250190.8/6

Left: 0.011+/-0.000 χ^2/NDF: 596565.7/15

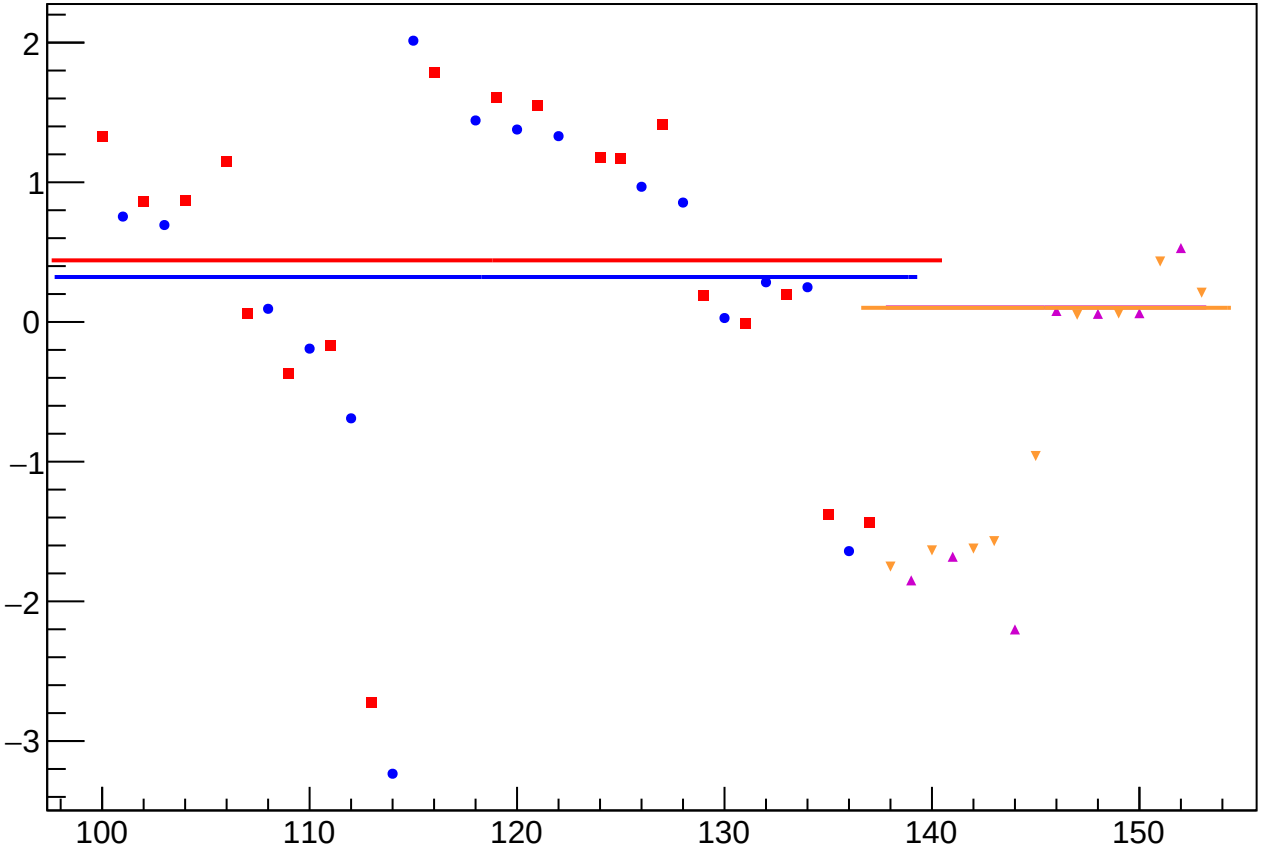
Right: 0.012+/-0.000 χ^2/NDF: 2866610.3/34

In: 0.011+/-0.000 χ^2/NDF:1749153.4/22

Out: 0.011+/-0.000 χ^2/NDF:1874448.0/27

All: 0.011+/-0.000 χ^2/NDF: 3624273.0/50

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: 0.101+/-0.000 χ^2/NDF:1566525790.9/8

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

Left In: 0.104+/-0.000 χ^2/NDF:2278225445.0/6

Left: 0.103+/-0.000 χ^2/NDF: 3844791655.5/15

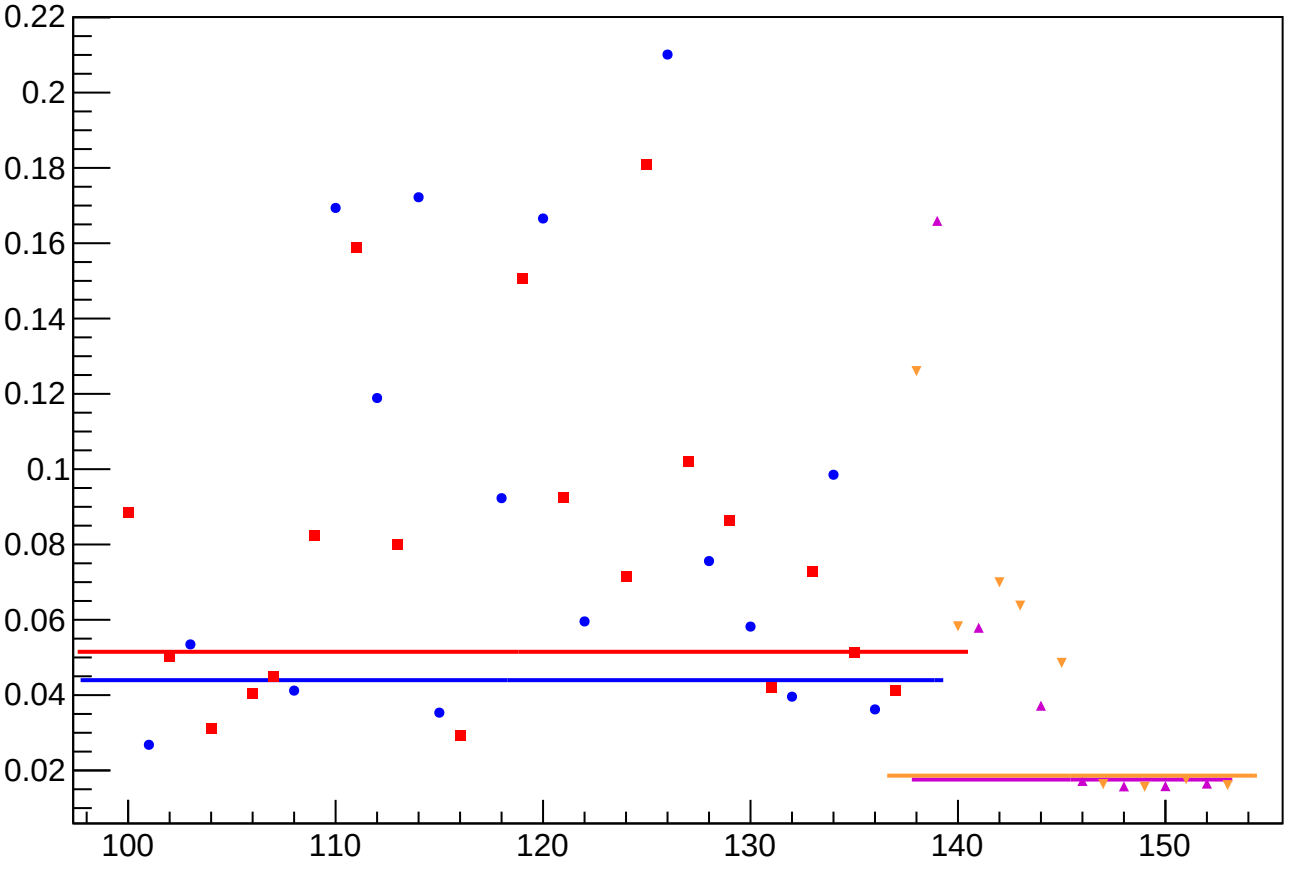
Right: 0.376+/-0.000 χ^2/NDF: 3474475474.1/34

In: 0.136+/-0.000 χ^2/NDF:4023427262.2/22

Out: 0.144+/-0.000 χ^2/NDF:3529237856.0/27

All: 0.140+/-0.000 χ^2/NDF: 7553076635.7/50

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.044+/-0.000 χ^2/NDF: 2787474.8/15

Left Out: 0.019+/-0.000 χ^2/NDF:2630028.9/8

Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.018+/-0.000 χ^2/NDF:1925412.7/6

Left: 0.018+/-0.000 χ^2/NDF: 4567713.3/15

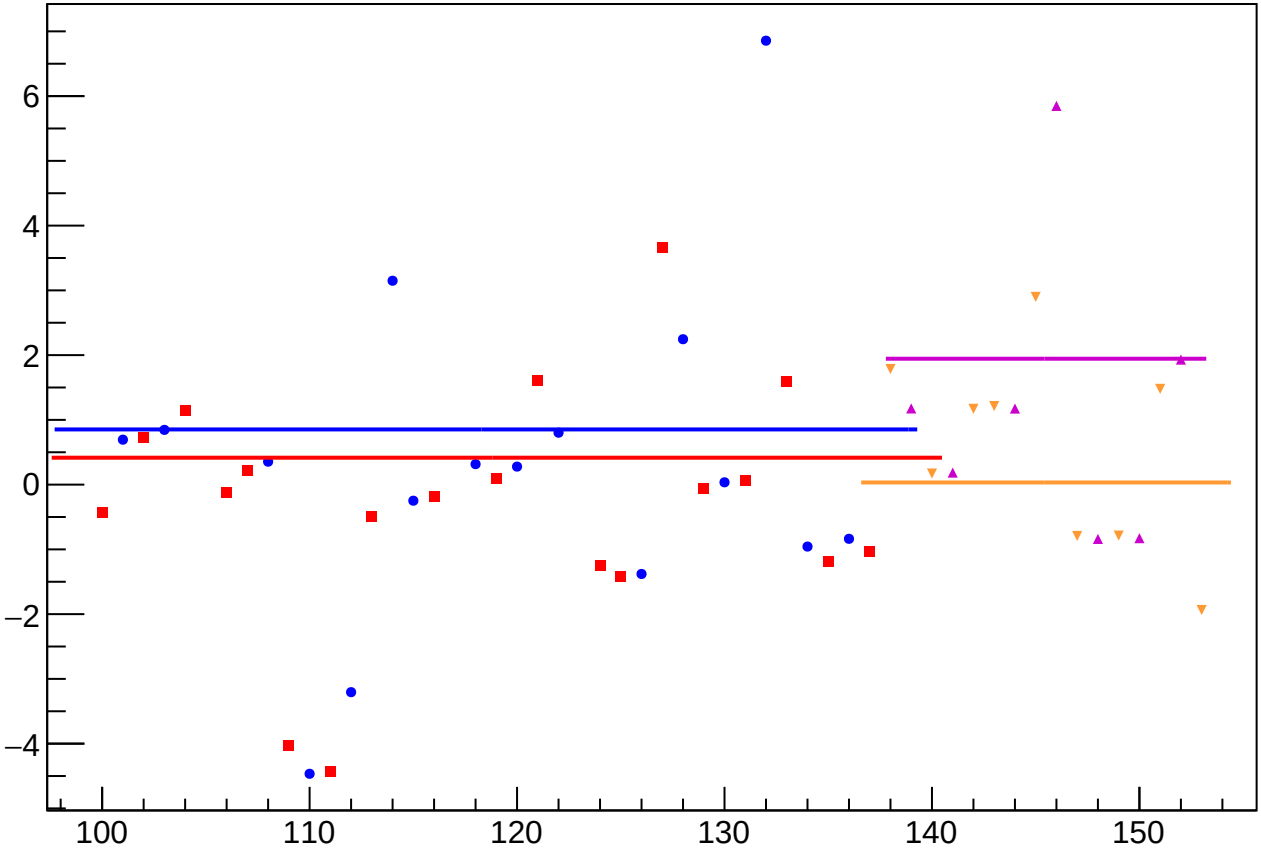
Right: 0.047+/-0.000 χ^2/NDF: 5257025.7/34

In: 0.021+/-0.000 χ^2/NDF:7068545.8/22

Out: 0.023+/-0.000 χ^2/NDF:8109639.7/27

All: 0.022+/-0.000 χ^2/NDF: 15199604.9/50

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

Left Out: 0.033+/-0.000 χ^2/NDF:55363213865.5/8

Right Out: 0.416+/-0.000 χ^2/NDF: 5121892038.7/18

Left In: 1.944+/-0.000 χ^2/NDF:113072916764.2/6

Left: 0.975+/-0.000 χ^2/NDF: 197707890882.3/15

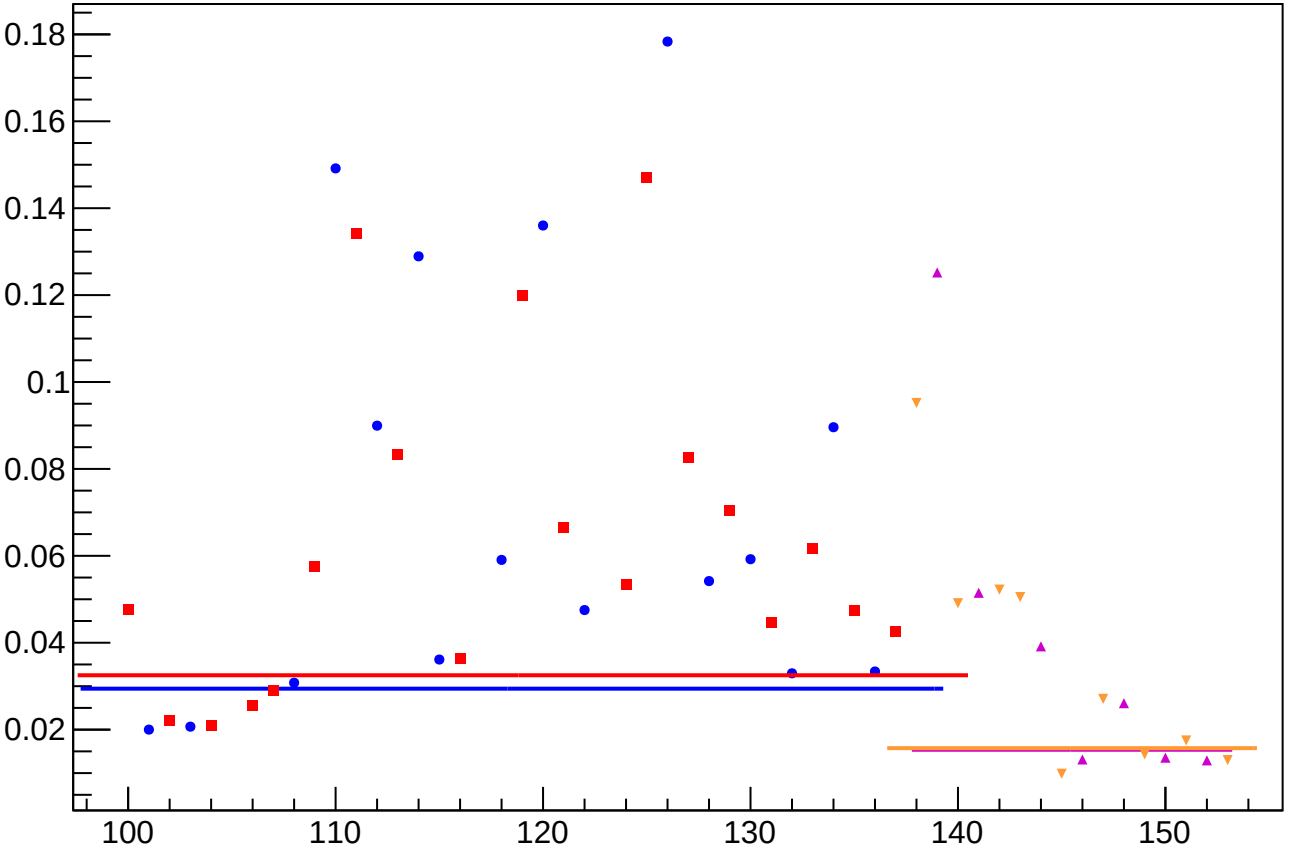
Right: 0.644+/-0.000 χ^2/NDF: 17086077865.4/34

In: 1.713+/-0.000 χ^2/NDF:128649143721.8/22

Out: 0.107+/-0.000 χ^2/NDF:60945814370.3/27

All: 0.908+/-0.000 χ^2/NDF: 215507100231.1

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF: 3192424.8/15

Left Out: 0.016+/-0.000 χ^2/NDF:2643511.1/8

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

Left In: 0.015+/-0.000 χ^2/NDF:2374335.4/6

Left: 0.016+/-0.000 χ^2/NDF: 5019989.7/15

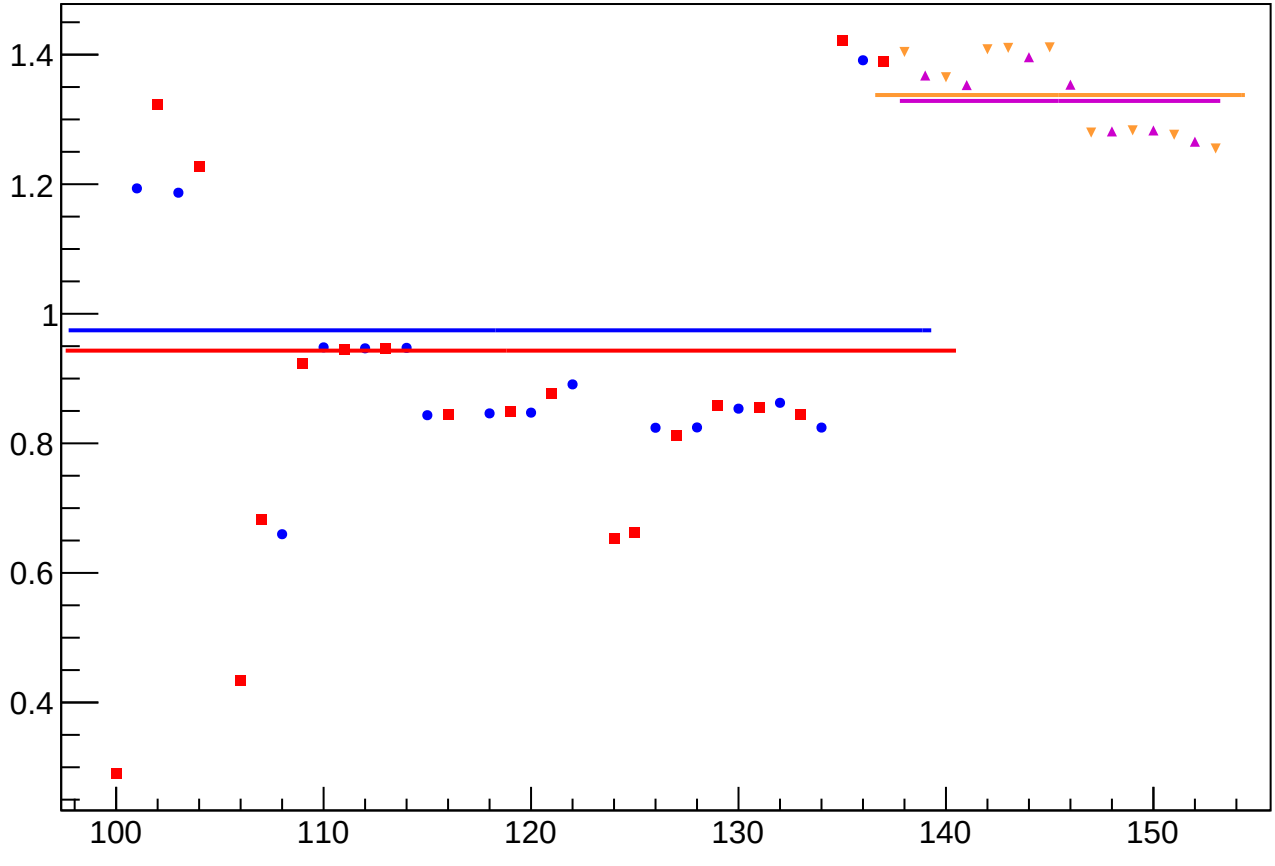
Right: 0.031+/-0.000 χ^2/NDF: 6546669.2/34

In: 0.018+/-0.000 χ^2/NDF:6892102.9/22

Out: 0.019+/-0.000 χ^2/NDF:7730382.0/27

All: 0.019+/-0.000 χ^2/NDF: 14630376.5/50

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.338+/-0.000 χ^2/NDF:153983122.6/8

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

Left In: 1.329+/-0.000 χ^2/NDF:72207236.9/6

Left: 1.334+/-0.000 χ^2/NDF: 227633089.6/15

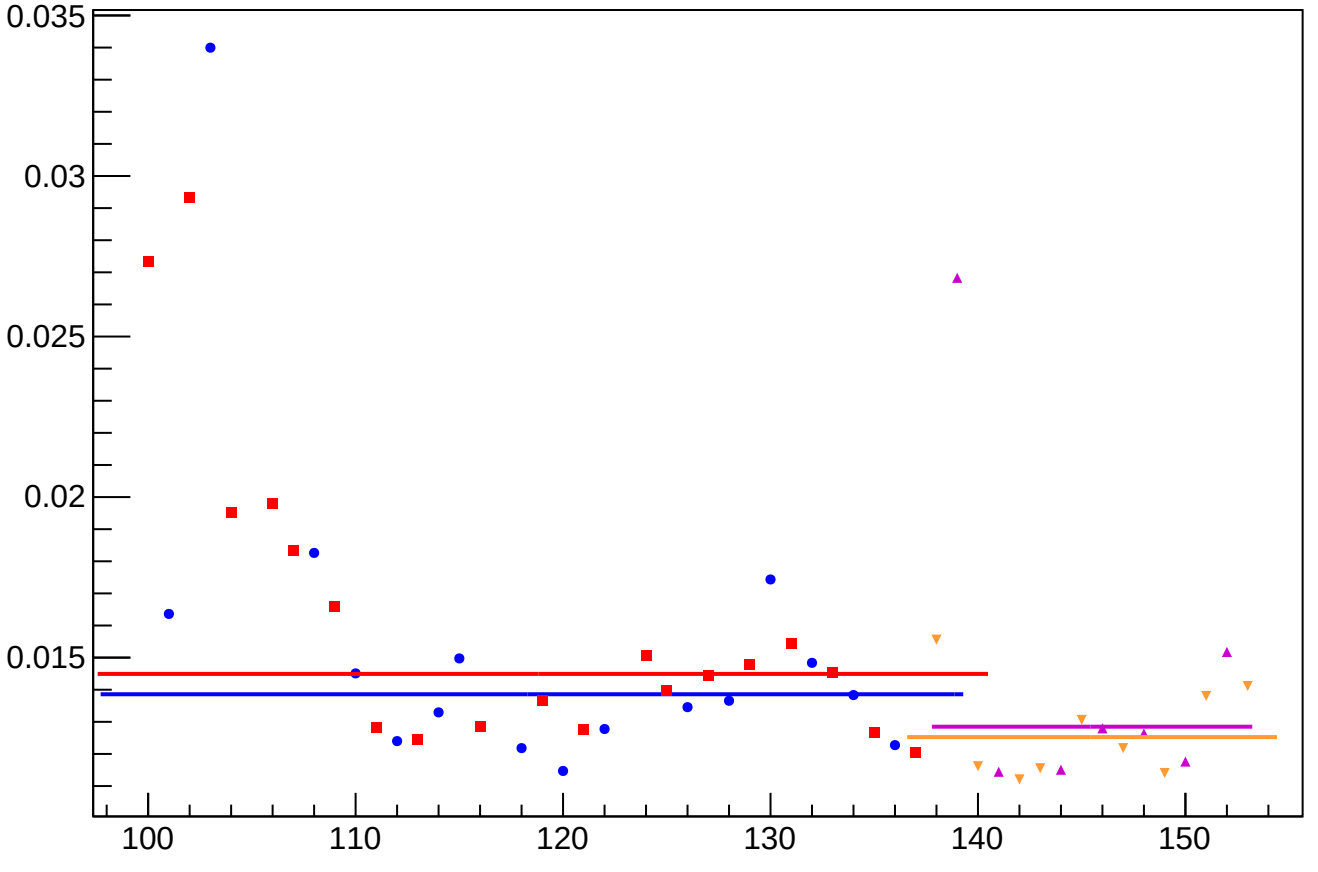
Right: 0.959+/-0.000 χ^2/NDF: 3144762694.7/34

In: 1.150+/-0.000 χ^2/NDF:3542289455.2/22

Out: 1.162+/-0.000 χ^2/NDF:4466697822.6/27

All: 1.156+/-0.000 χ^2/NDF: 8014176971.9/50

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 599979.5/15

Left Out: 0.013+/-0.000 χ^2/NDF:126795.2/8

Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

Left In: 0.013+/-0.000 χ^2/NDF:535527.6/6

Left: 0.013+/-0.000 χ^2/NDF: 665970.3/15

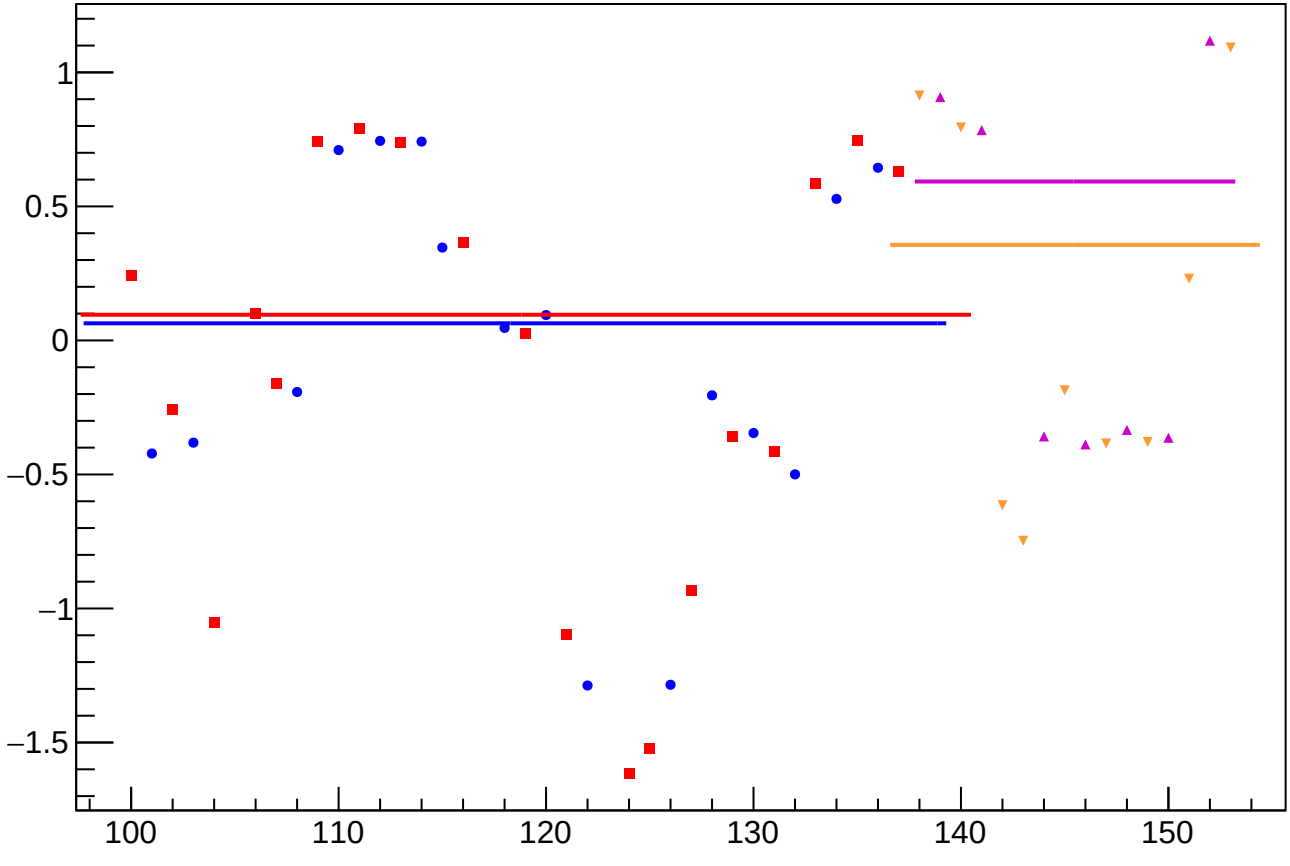
Right: 0.014+/-0.000 χ^2/NDF: 1156942.1/34

In: 0.013+/-0.000 χ^2/NDF:1168264.0/22

Out: 0.013+/-0.000 χ^2/NDF:802655.5/27

All: 0.013+/-0.000 χ^2/NDF: 1971027.3/50

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.357+/-0.000 χ^2/NDF:21731181667.0/8

Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

Left In: 0.593+/-0.000 χ^2/NDF:15295934225.9/6

Left: 0.473+/-0.000 χ^2/NDF: 38409732235.3/15

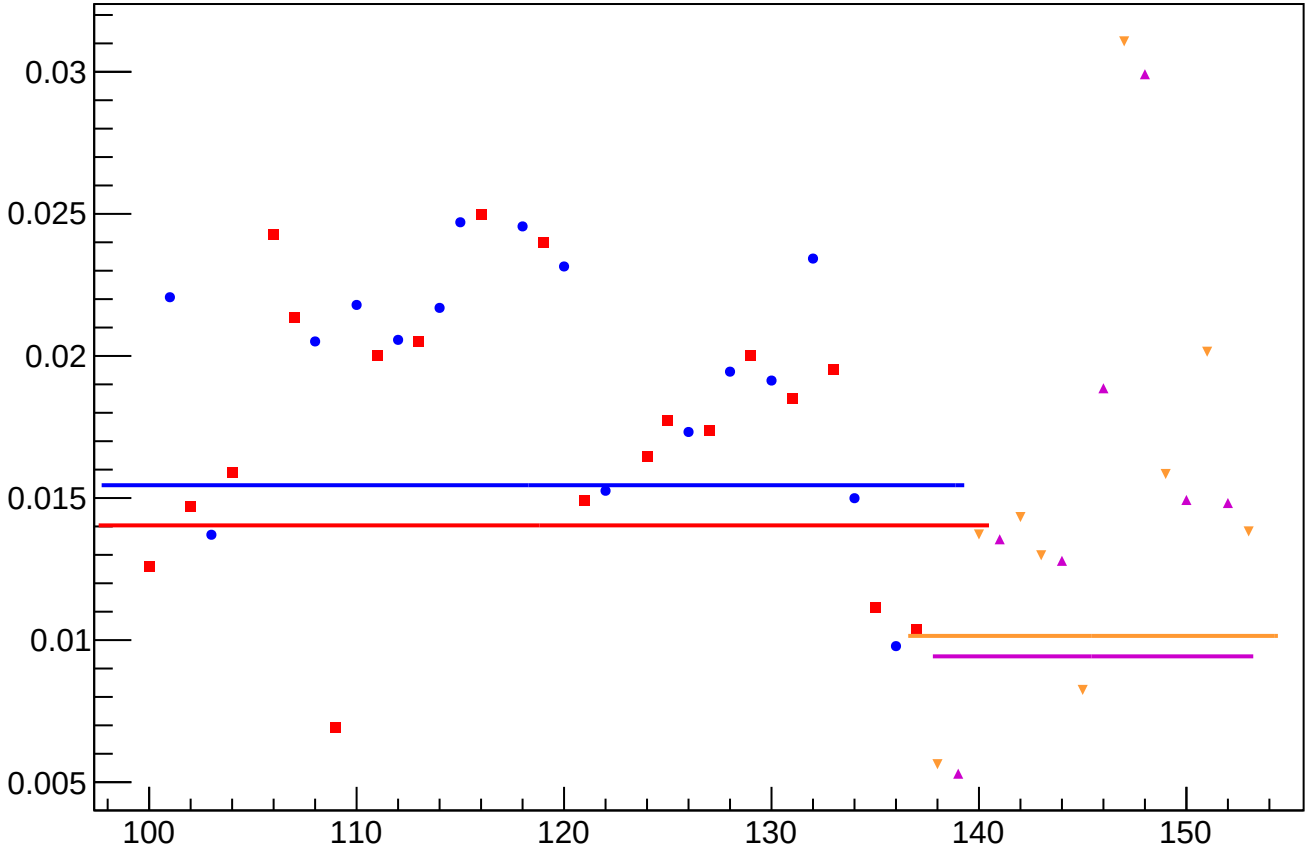
Right: 0.081+/-0.000 χ^2/NDF: 28834701842.2/34

In: 0.413+/-0.000 χ^2/NDF:30981182933.4/22

Out: 0.259+/-0.000 χ^2/NDF:40787872705.8/27

All: 0.333+/-0.000 χ^2/NDF: 72679451407.0/5

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 1293711.1/15

Left Out: 0.010+/-0.000 χ^2/NDF:2527605.7/8

Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

Left In: 0.009+/-0.000 χ^2/NDF:2825180.2/6

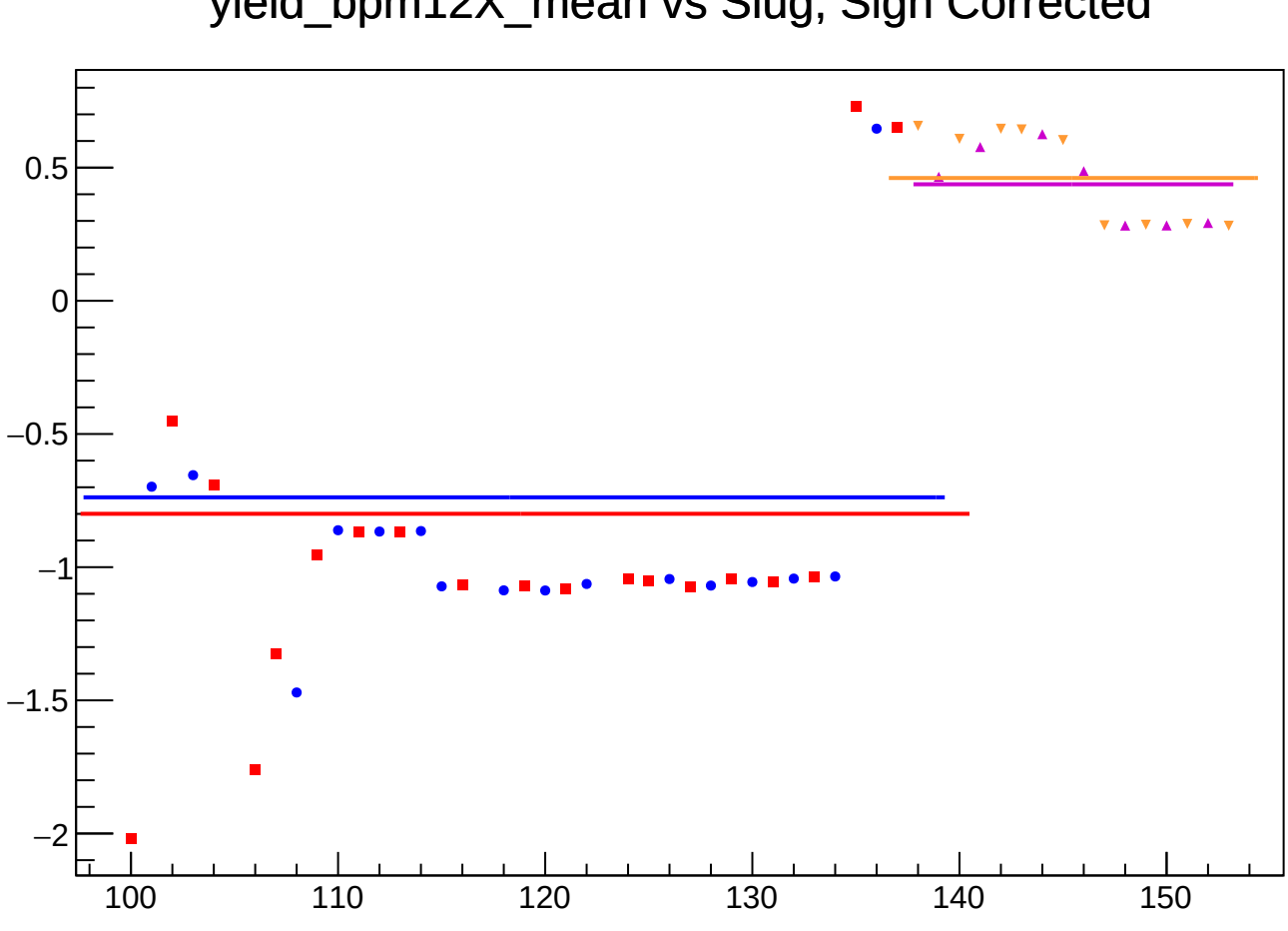
Left: 0.010+/-0.000 χ^2/NDF: 5378452.2/15

Right: 0.015+/-0.000 χ^2/NDF: 3034802.2/34

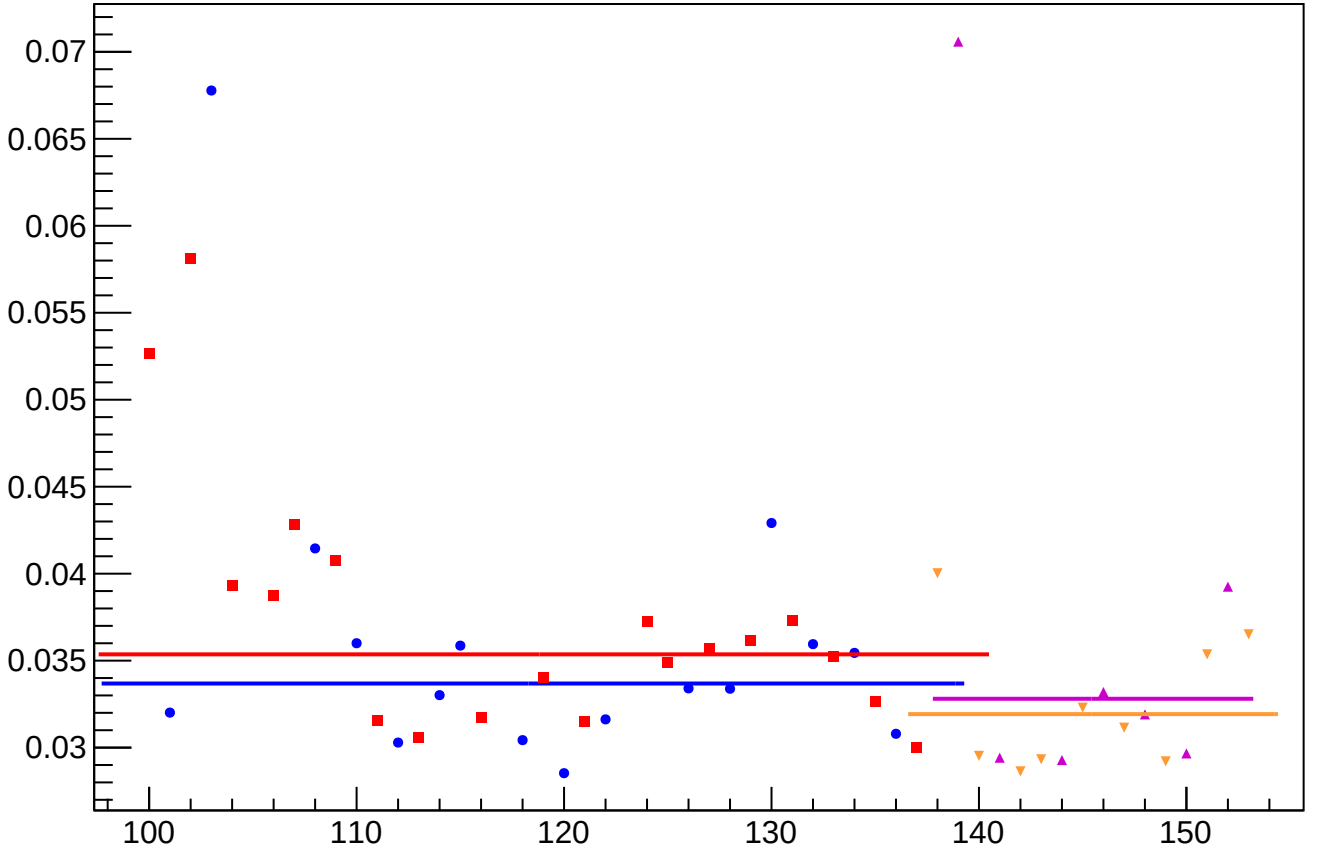
In: 0.011+/-0.000 χ^2/NDF:5324457.0/22

Out: 0.012+/-0.000 χ^2/NDF:4780254.9/27

All: 0.012+/-0.000 χ^2/NDF: 10105909.0/50


yield_bpm12X_mean vs Slug, Sign Corrected
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
Right In: -0.738+/-0.000 χ²/NDF: 2072845802.4/15
Left Out: 0.461+/-0.000 χ²/NDF:173059513.9/8
Right Out: -0.800+/-0.000 χ²/NDF: 1883862445.0/18
Left In: 0.437+/-0.000 χ²/NDF:102334366.6/6
Left: 0.450+/-0.000 χ²/NDF: 276867336.2/15
Right: -0.768+/-0.000 χ²/NDF: 3966960462.4/34
In: -0.190+/-0.000 χ²/NDF:5750549178.4/22
Out: -0.131+/-0.000 χ²/NDF:6415917246.0/27
All: -0.160+/-0.000 χ²/NDF: 12185107328.7/

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.032+/-0.000 χ^2/NDF:133711.0/8

Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

Left In: 0.033+/-0.000 χ^2/NDF:568072.6/6

Left: 0.032+/-0.000 χ^2/NDF: 705911.0/15

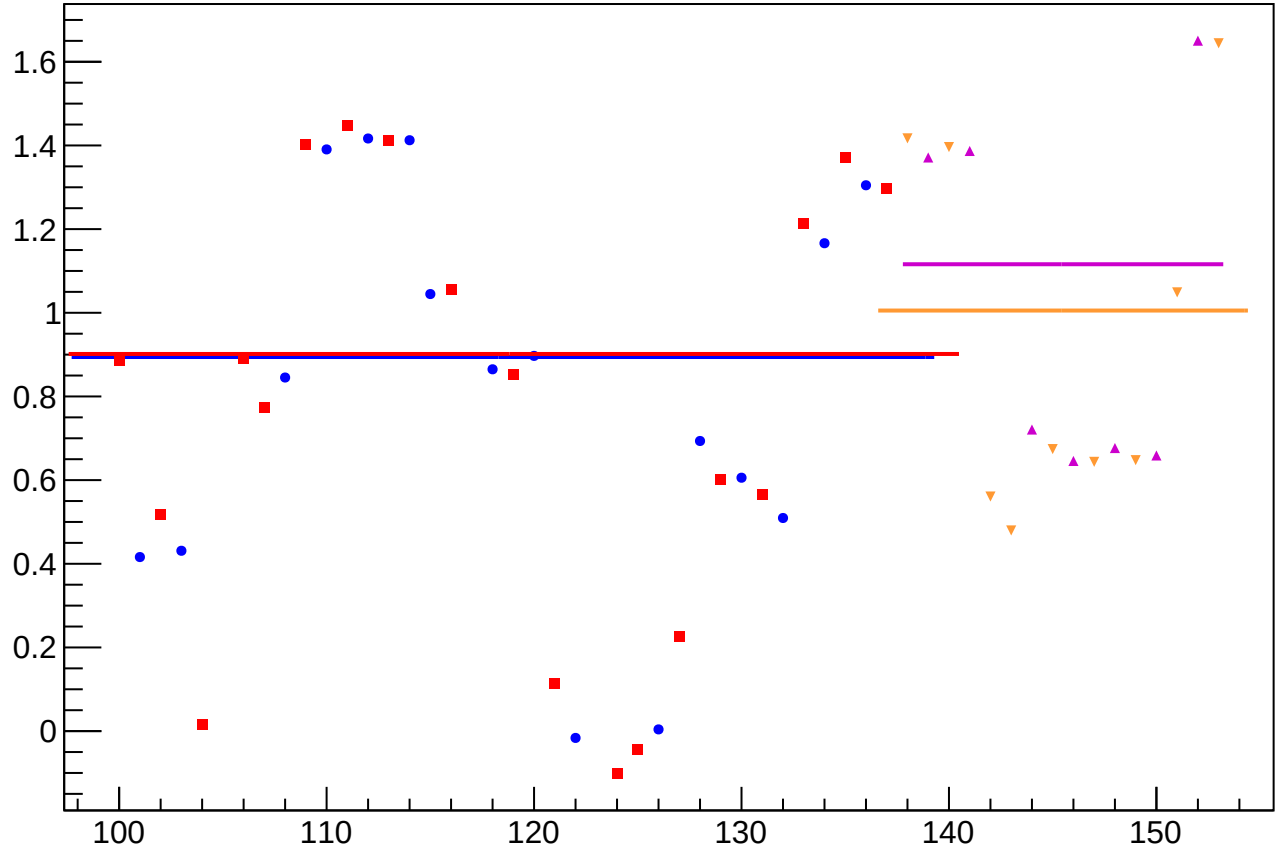
Right: 0.034+/-0.000 χ^2/NDF: 731644.4/34

In: 0.033+/-0.000 χ^2/NDF:992286.0/22

Out: 0.034+/-0.000 χ^2/NDF:494867.1/27

All: 0.033+/-0.000 χ^2/NDF: 1487893.4/50

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.005+/-0.000 χ^2/NDF:14350410064.7/8

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

Left In: 1.116+/-0.000 χ^2/NDF:9543676619.4/6

Left: 1.056+/-0.000 χ^2/NDF: 24325799512.1/15

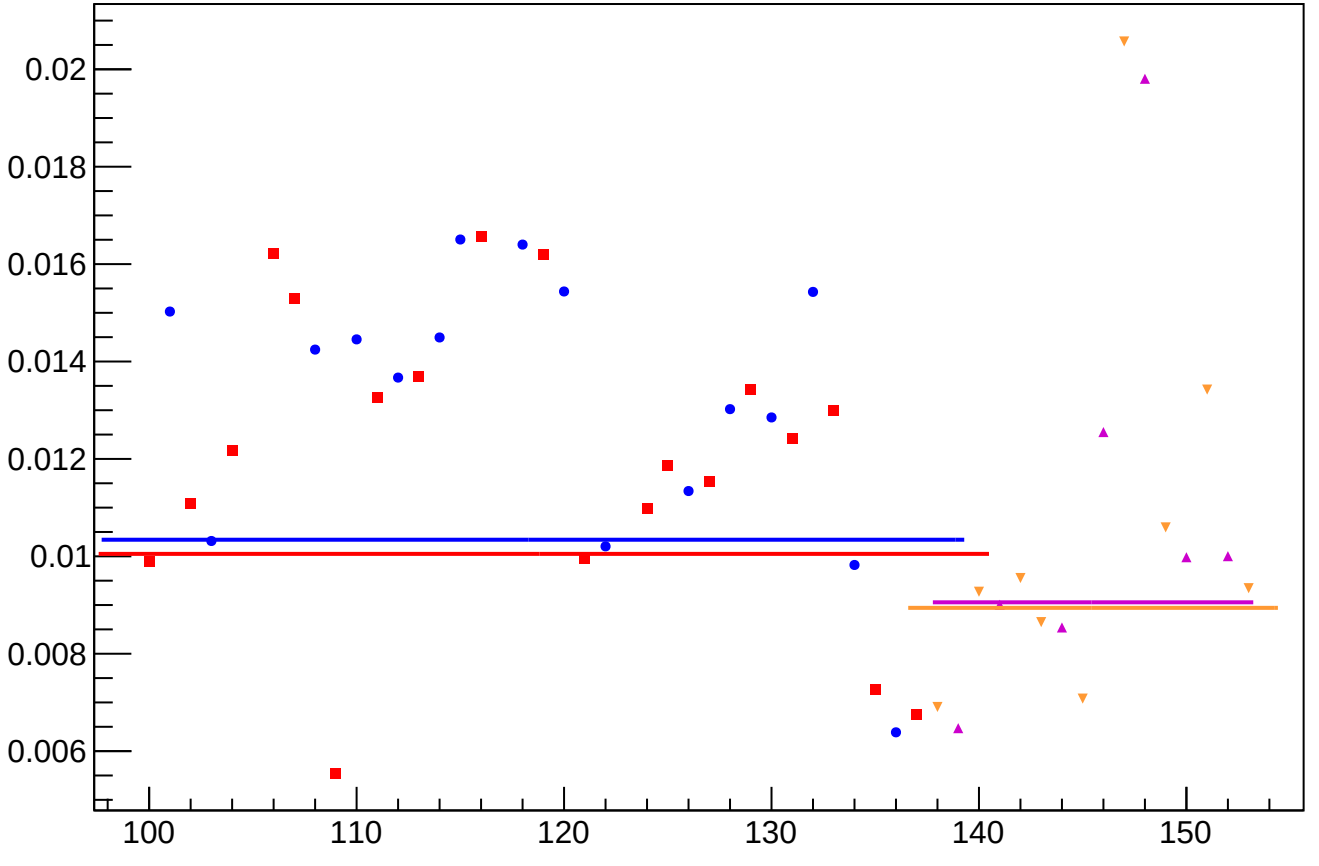
Right: 0.898+/-0.000 χ^2/NDF: 30644277544.6/34

In: 1.014+/-0.000 χ^2/NDF:23768844295.1/22

Out: 0.960+/-0.000 χ^2/NDF:32607972525.2/27

All: 0.985+/-0.000 χ^2/NDF: 56562871762.7/5

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:958924.8/8

Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

Left In: 0.009+/-0.000 χ^2/NDF:870410.2/6

Left: 0.009+/-0.000 χ^2/NDF: 1830246.2/15

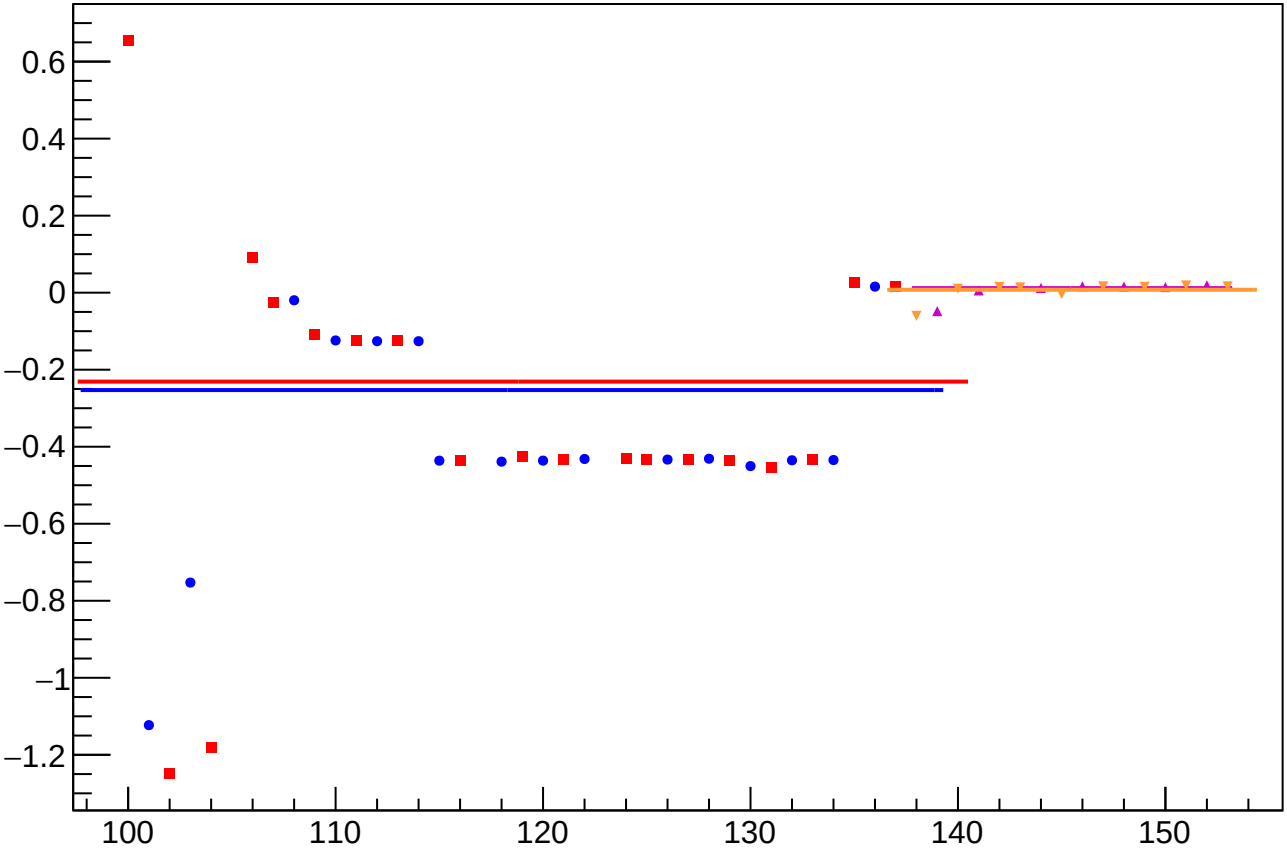
Right: 0.010+/-0.000 χ^2/NDF: 2692207.1/34

In: 0.010+/-0.000 χ^2/NDF:2319977.7/22

Out: 0.009+/-0.000 χ^2/NDF:2378843.0/27

All: 0.010+/-0.000 χ^2/NDF: 4705094.3/50

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:20569459.7/8

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

Left In: 0.012+/-0.000 χ^2/NDF:5136810.2/6

Left: 0.009+/-0.000 χ^2/NDF: 26166307.7/15

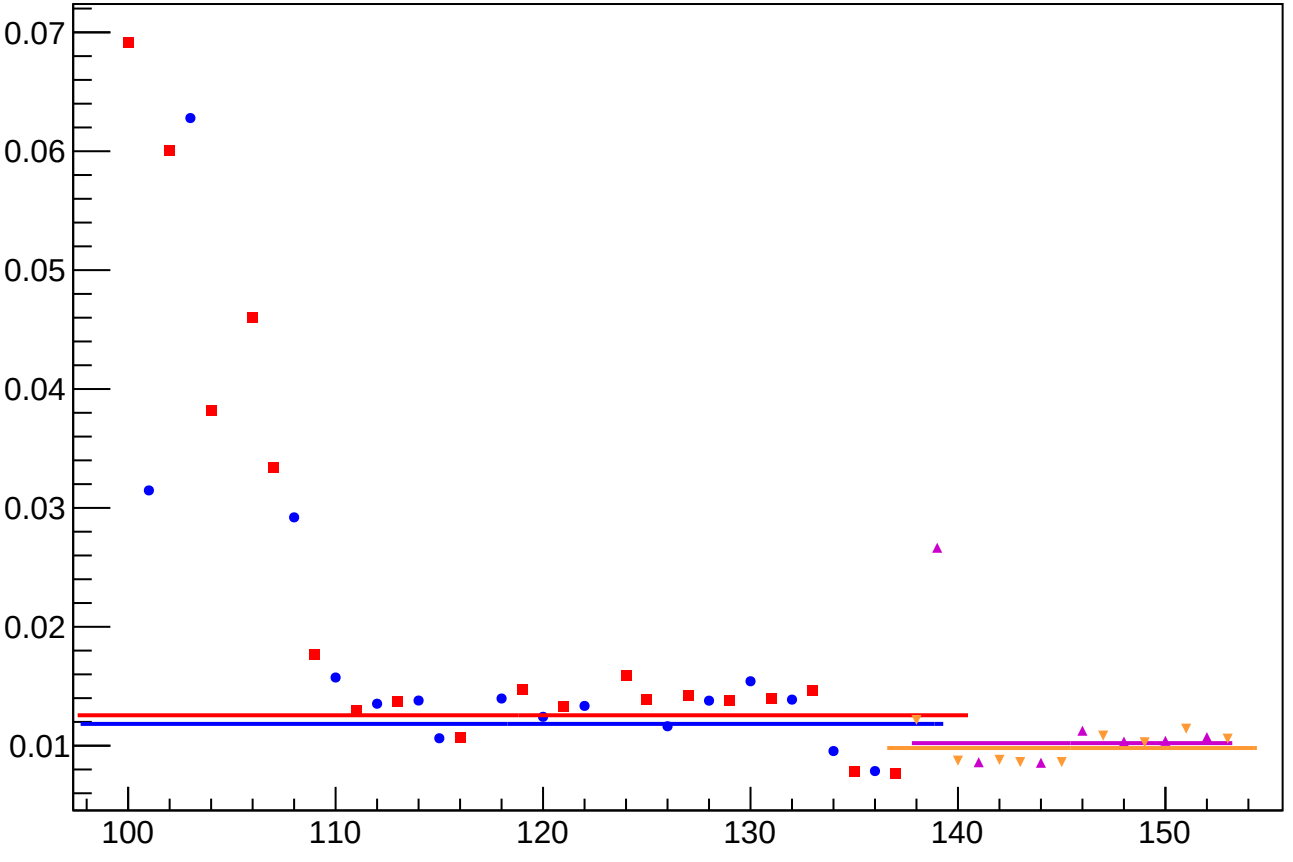
Right: -0.243+/-0.000 χ^2/NDF: 3842049612.8/34

In: -0.104+/-0.000 χ^2/NDF:3430474959.7/22

Out: -0.077+/-0.000 χ^2/NDF:2996313907.8/27

All: -0.090+/-0.000 χ^2/NDF: 6458255353.8/5

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:168076.7/8

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

Left In: 0.010+/-0.000 χ^2/NDF:748720.7/6

Left: 0.010+/-0.000 χ^2/NDF: 925495.6/15

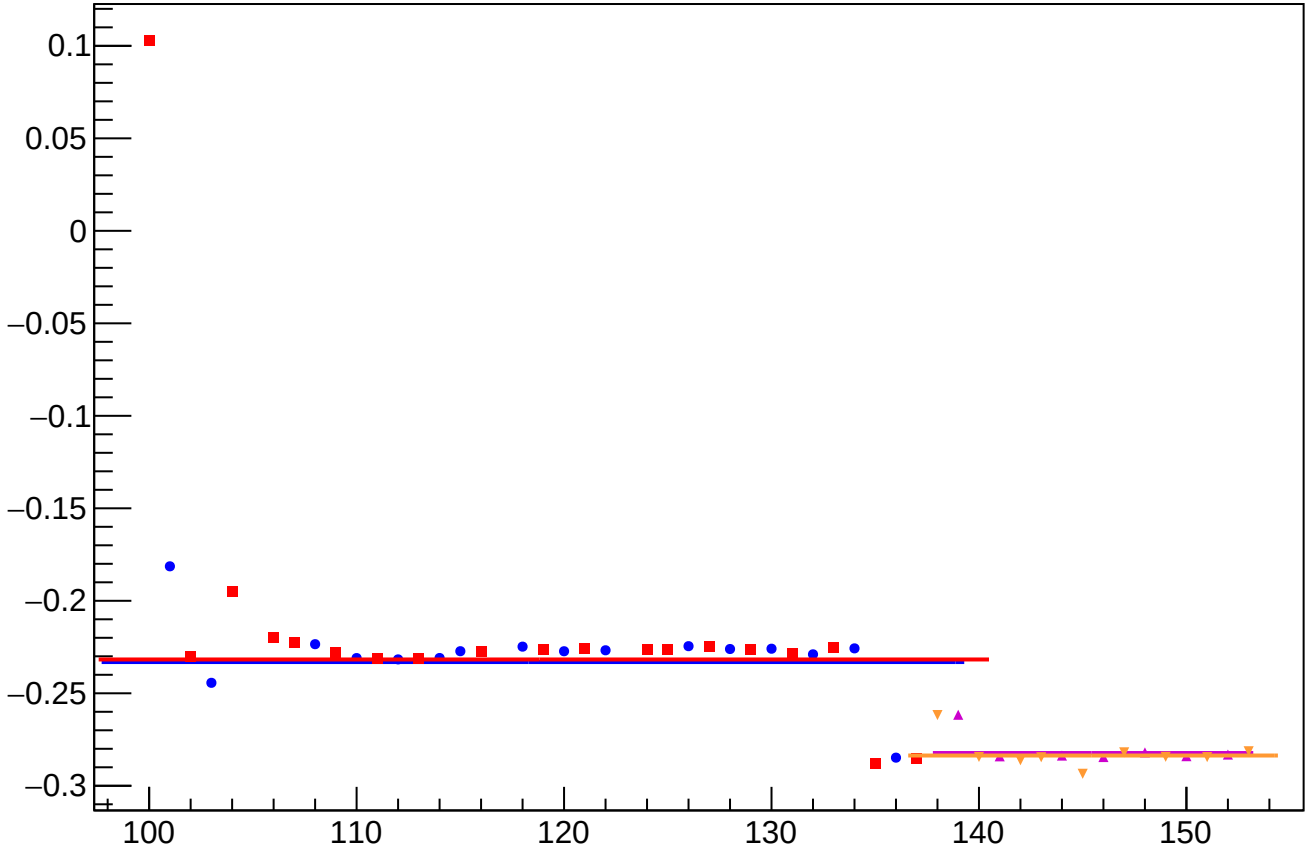
Right: 0.012+/-0.000 χ^2/NDF: 4177625.3/34

In: 0.011+/-0.000 χ^2/NDF:2795771.4/22

Out: 0.011+/-0.000 χ^2/NDF:2697052.5/27

All: 0.011+/-0.000 χ^2/NDF: 5494616.6/50

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:14639358.1/8

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

Left In: -0.282+/-0.000 χ^2/NDF:6136487.7/6

Left: -0.283+/-0.000 χ^2/NDF: 20991113.9/15

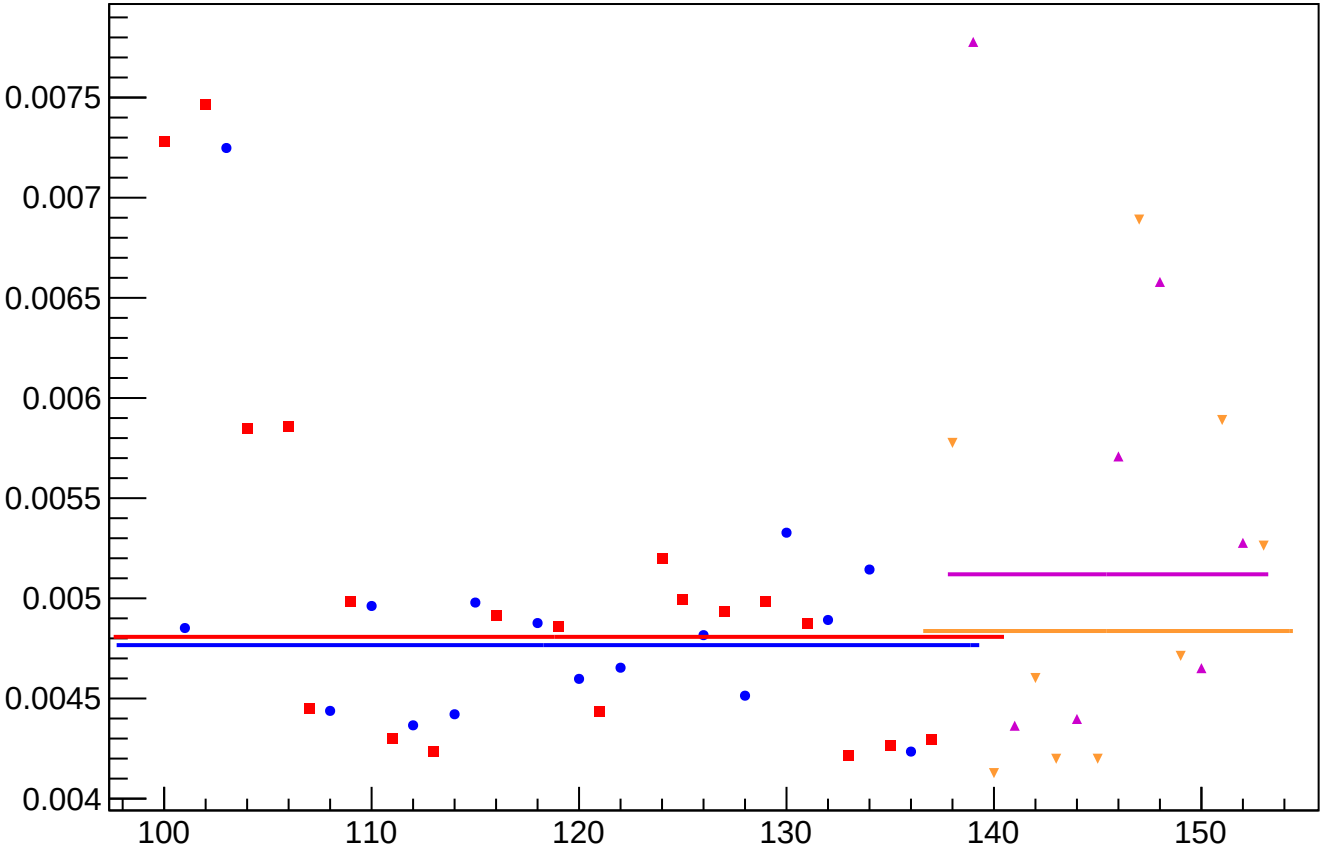
Right: -0.232+/-0.000 χ^2/NDF: 486580881.0/34

In: -0.254+/-0.000 χ^2/NDF:497853368.0/22

Out: -0.257+/-0.000 χ^2/NDF:680064094.1/27

All: -0.256+/-0.000 χ^2/NDF: 1179870486.2/5

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:357868.0/8

Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

Left In: 0.005+/-0.000 χ^2/NDF:394382.0/6

Left: 0.005+/-0.000 χ^2/NDF: 771296.5/15

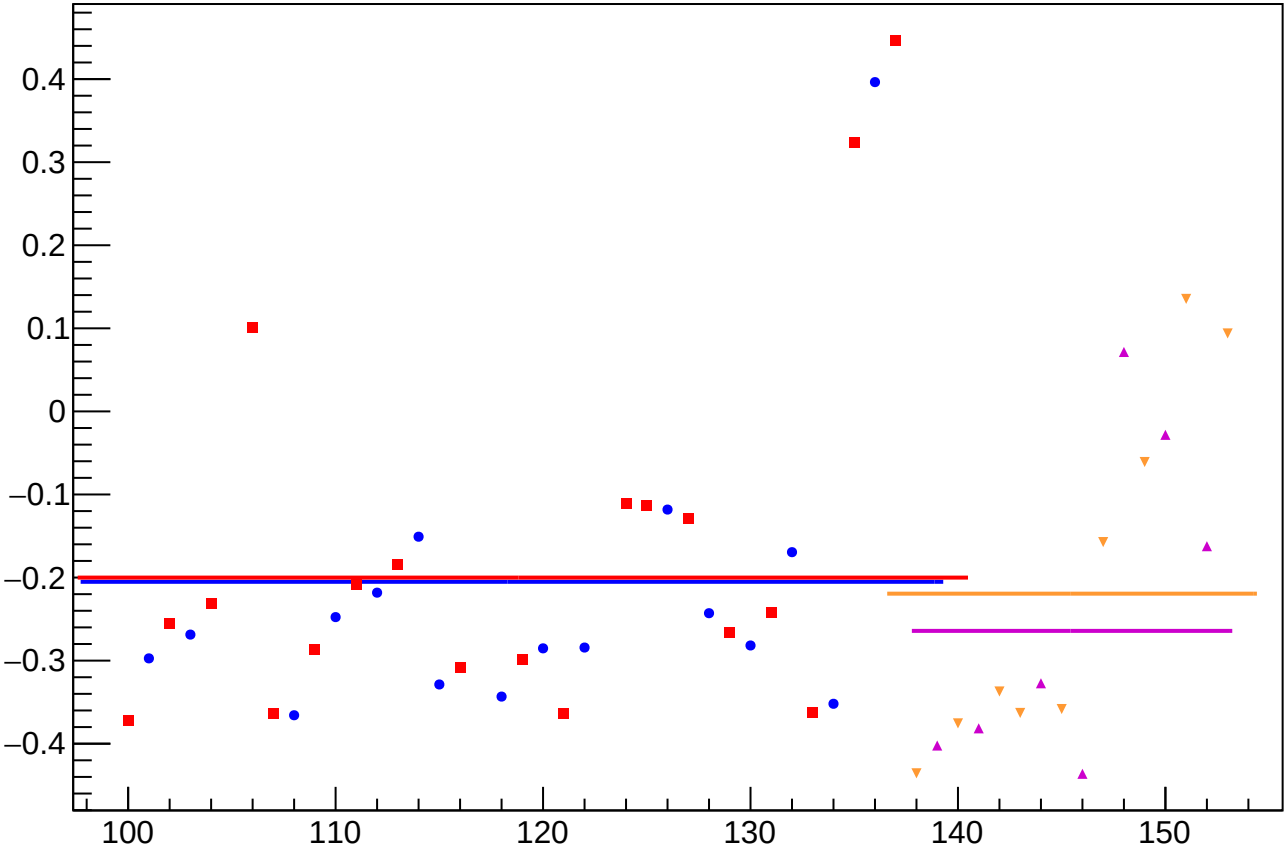
Right: 0.005+/-0.000 χ^2/NDF: 485985.9/34

In: 0.005+/-0.000 χ^2/NDF:616387.8/22

Out: 0.005+/-0.000 χ^2/NDF:651844.7/27

All: 0.005+/-0.000 χ^2/NDF: 1273036.5/50

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.219+/-0.000 χ^2/NDF:9559133873.4/8

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

Left In: -0.264+/-0.000 χ^2/NDF:4951472705.1/6

Left: -0.239+/-0.000 χ^2/NDF: 14707119089.9/15

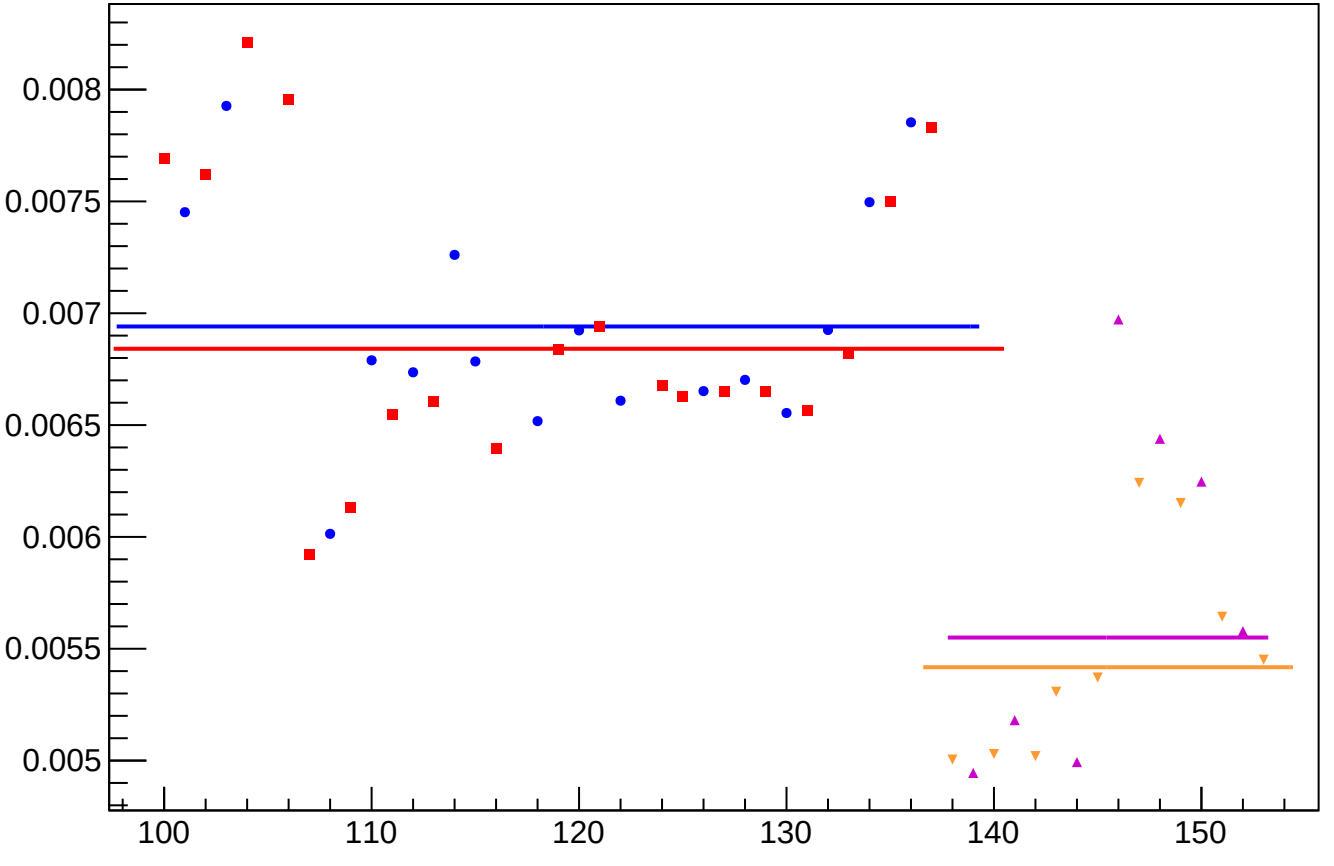
Right: -0.203+/-0.000 χ^2/NDF: 11441176033.3/34

In: -0.238+/-0.000 χ^2/NDF:11420109490.8/22

Out: -0.211+/-0.000 χ^2/NDF:14842972303.4/27

All: -0.224+/-0.000 χ^2/NDF: 26380966840.7/

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 85159.0/15

Left Out: 0.005+/-0.000 χ^2/NDF:74533.1/8

Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.006+/-0.000 χ^2/NDF:160953.5/6

Left: 0.005+/-0.000 χ^2/NDF: 238935.7/15

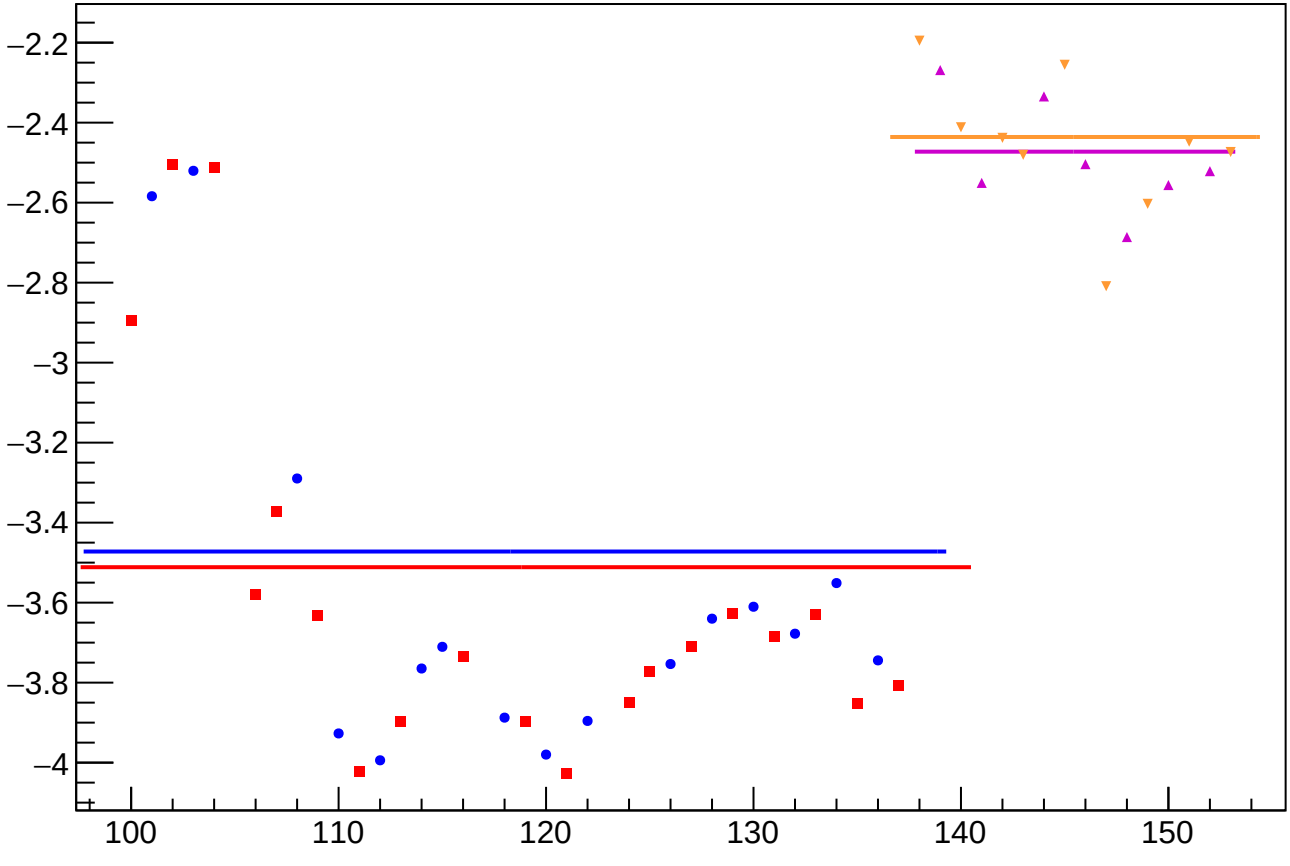
Right: 0.007+/-0.000 χ^2/NDF: 186467.2/34

In: 0.006+/-0.000 χ^2/NDF:555681.8/22

Out: 0.006+/-0.000 χ^2/NDF:541139.6/27

All: 0.006+/-0.000 χ^2/NDF: 1107190.1/50

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.436+/-0.000 χ^2/NDF:1392680639.5/8

Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

Left In: -2.473+/-0.000 χ^2/NDF:821096362.2/6

Left: -2.452+/-0.000 χ^2/NDF: 2254006097.0/15

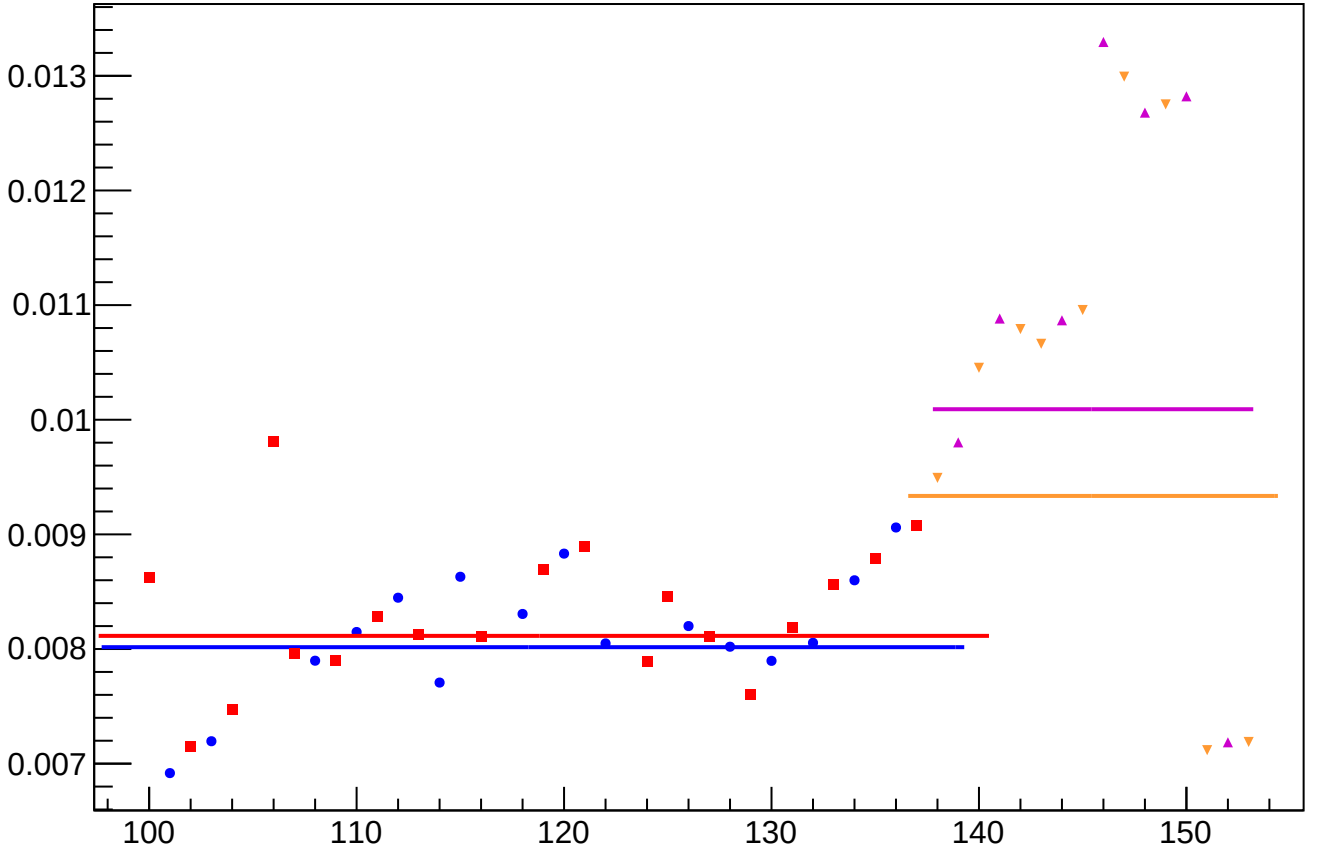
Right: -3.492+/-0.000 χ^2/NDF: 59392057159.0/34

In: -3.148+/-0.000 χ^2/NDF:65608875950.4/22

Out: -3.088+/-0.000 χ^2/NDF:80278605931.6/27

All: -3.117+/-0.000 χ^2/NDF: 146193345793.2

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 86232.2/15

Left Out: 0.009+/-0.000 χ^2/NDF:574714.7/8

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

Left In: 0.010+/-0.000 χ^2/NDF:493078.4/6

Left: 0.010+/-0.000 χ^2/NDF: 1101985.9/15

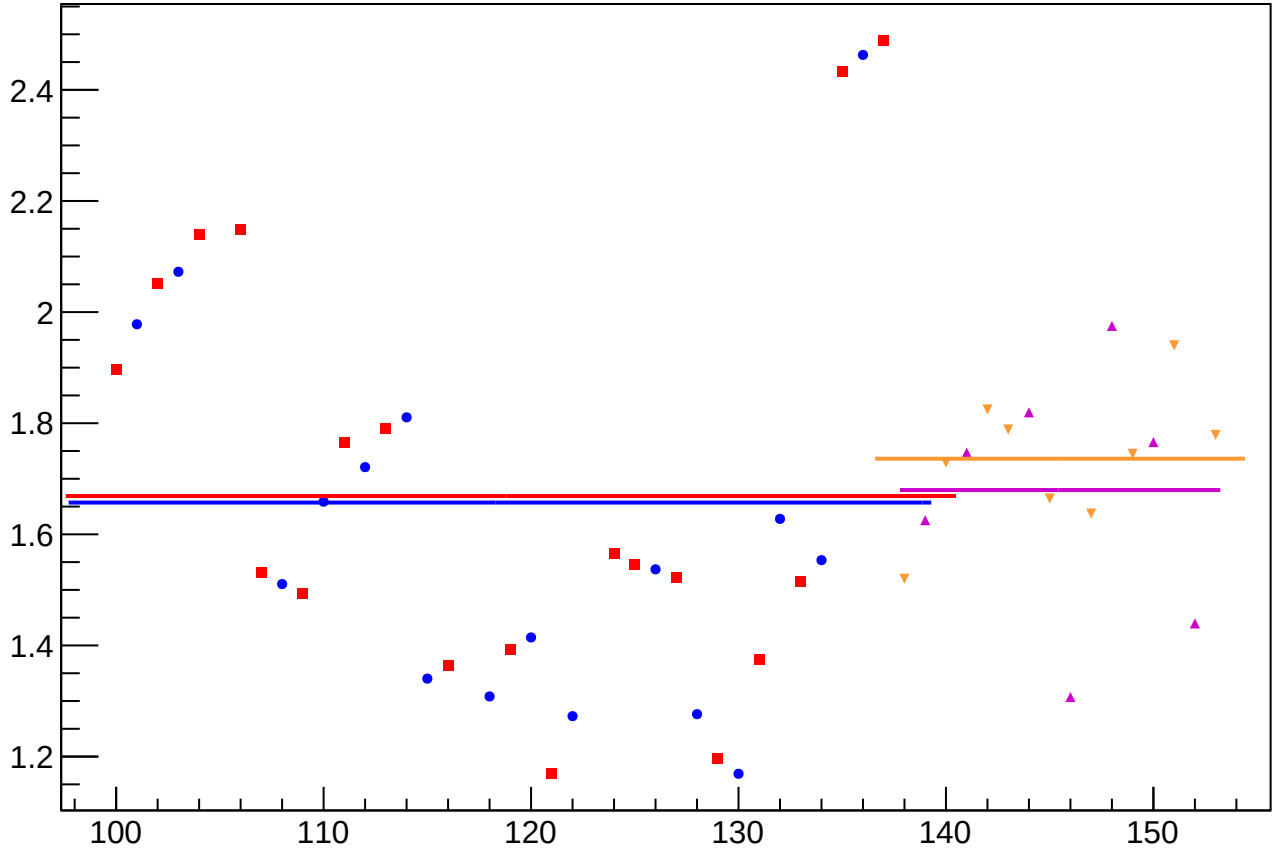
Right: 0.008+/-0.000 χ^2/NDF: 158353.0/34

In: 0.009+/-0.000 χ^2/NDF:882814.2/22

Out: 0.009+/-0.000 χ^2/NDF:772469.7/27

All: 0.009+/-0.000 χ^2/NDF: 1656761.6/50

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.736+/-0.000 χ^2/NDF:707045781.6/8

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

Left In: 1.680+/-0.000 χ^2/NDF:1481224113.4/6

Left: 1.711+/-0.000 χ^2/NDF: 2259073123.1/15

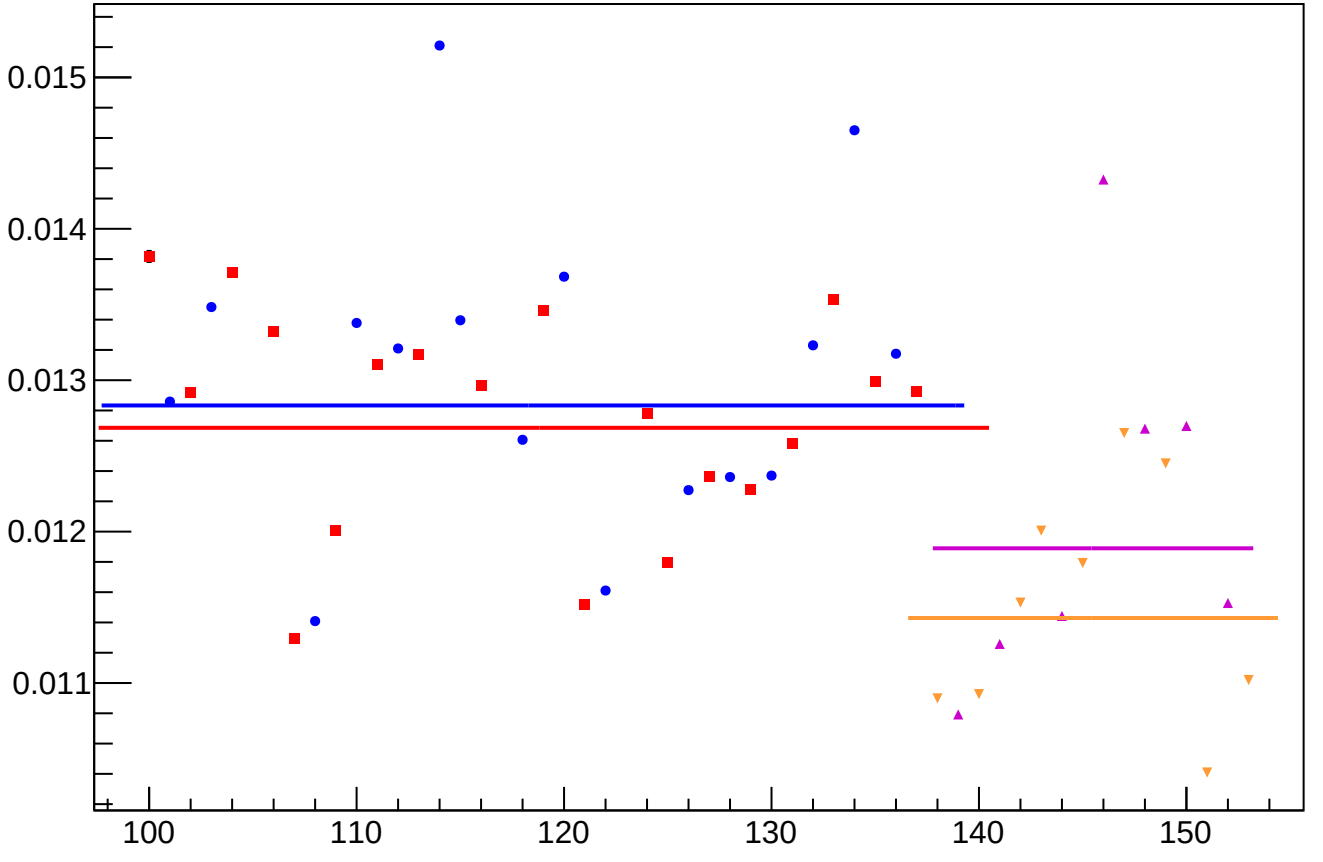
Right: 1.663+/-0.000 χ^2/NDF: 13026763419.8/34

In: 1.668+/-0.000 χ^2/NDF:8157849049.1/22

Out: 1.705+/-0.000 χ^2/NDF:7171752924.1/27

All: 1.688+/-0.000 χ^2/NDF: 15388241418.8/5

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:53325.0/8

Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.012+/-0.000 χ^2/NDF:84447.0/6

Left: 0.012+/-0.000 χ^2/NDF: 147202.4/15

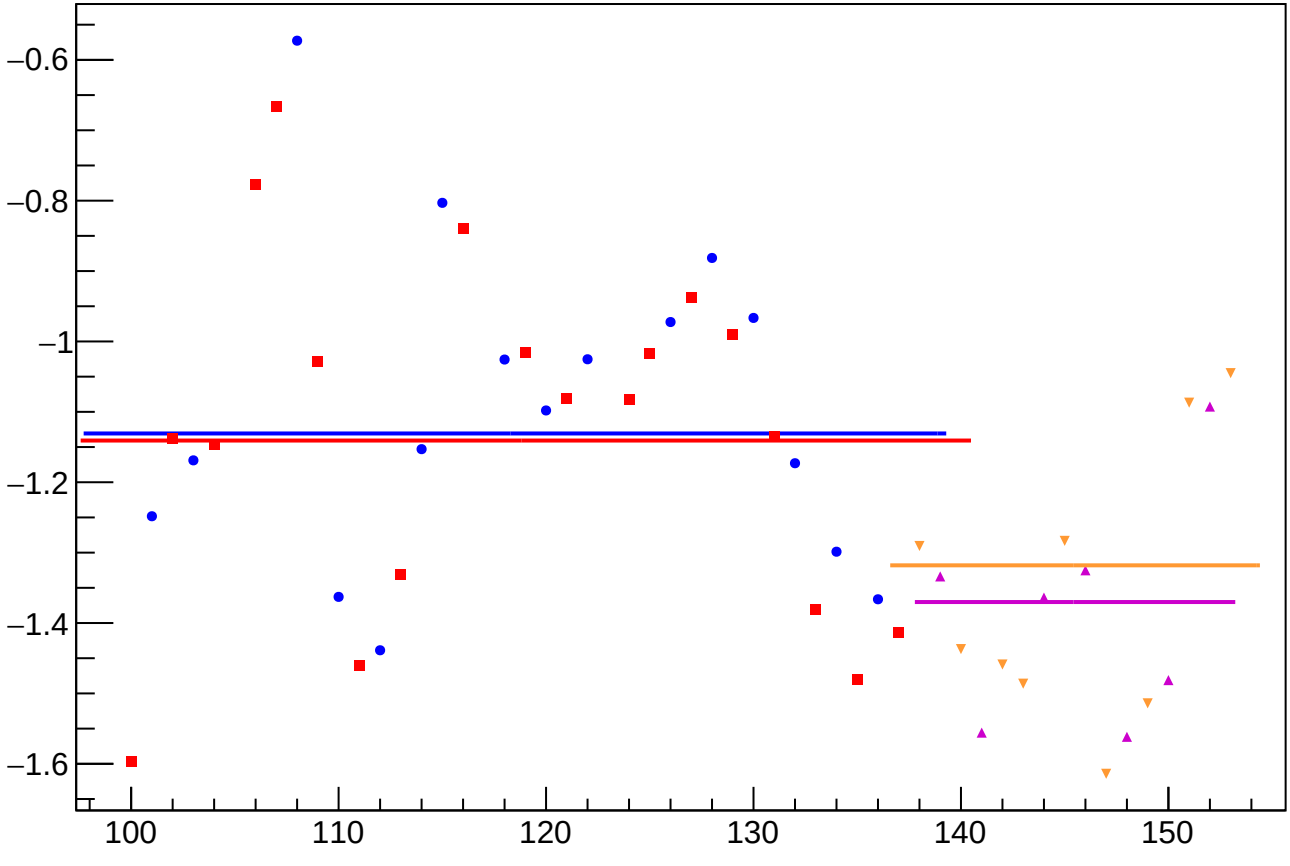
Right: 0.013+/-0.000 χ^2/NDF: 96748.3/34

In: 0.012+/-0.000 χ^2/NDF:173631.6/22

Out: 0.012+/-0.000 χ^2/NDF:171490.2/27

All: 0.012+/-0.000 χ^2/NDF: 356356.0/50

yield_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.318+/-0.000 χ^2/NDF:2981159261.9/8

Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

Left In: -1.370+/-0.000 χ^2/NDF:1691307567.1/6

Left: -1.341+/-0.000 χ^2/NDF: 4772588723.7/15

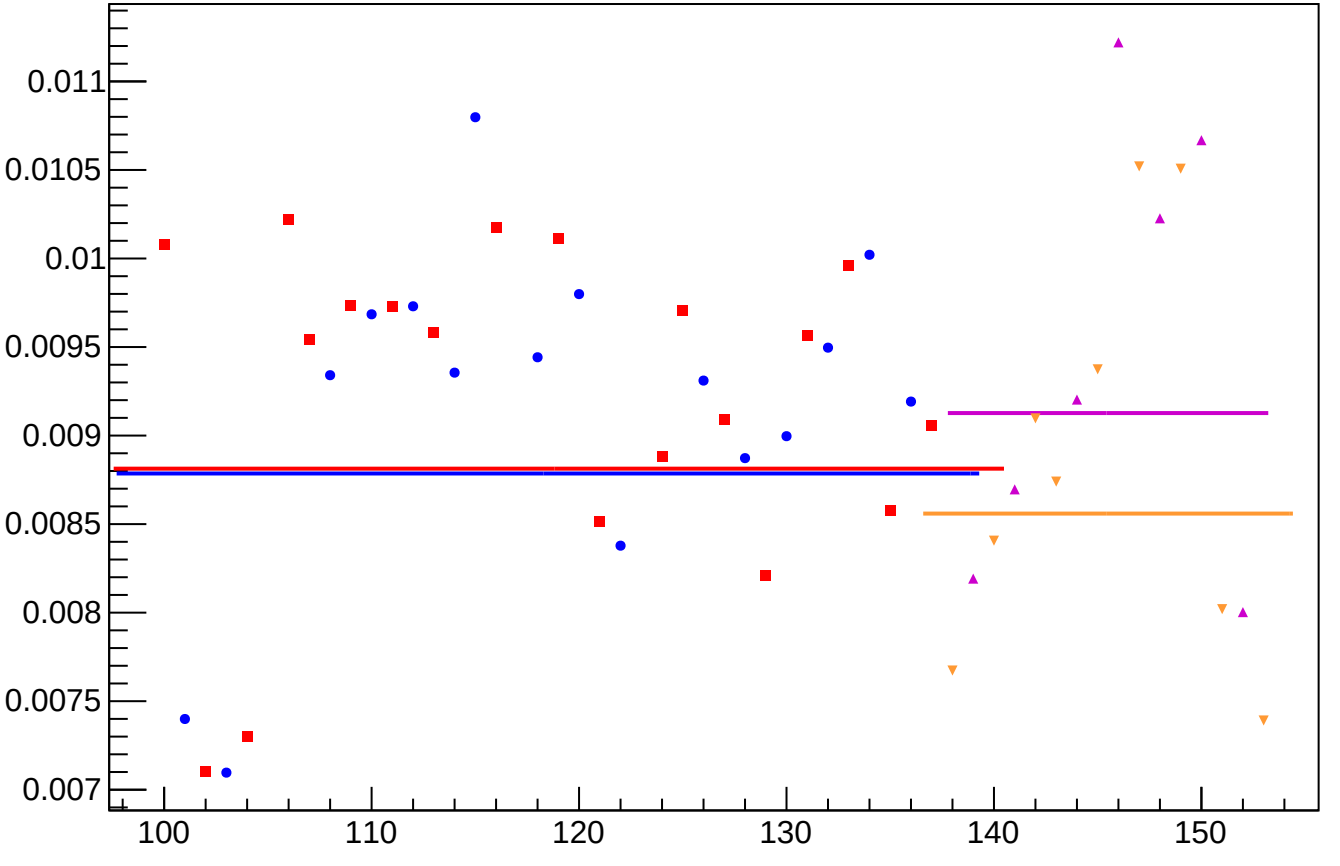
Right: -1.136+/-0.000 χ^2/NDF: 7338628665.5/34

In: -1.232+/-0.000 χ^2/NDF:7633435288.6/22

Out: -1.227+/-0.000 χ^2/NDF:7893549198.6/27

All: -1.229+/-0.000 χ^2/NDF: 15528909436.4/

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 173477.6/15

Left Out: 0.009+/-0.000 χ^2/NDF:175528.5/8

Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.009+/-0.000 χ^2/NDF:153568.7/6

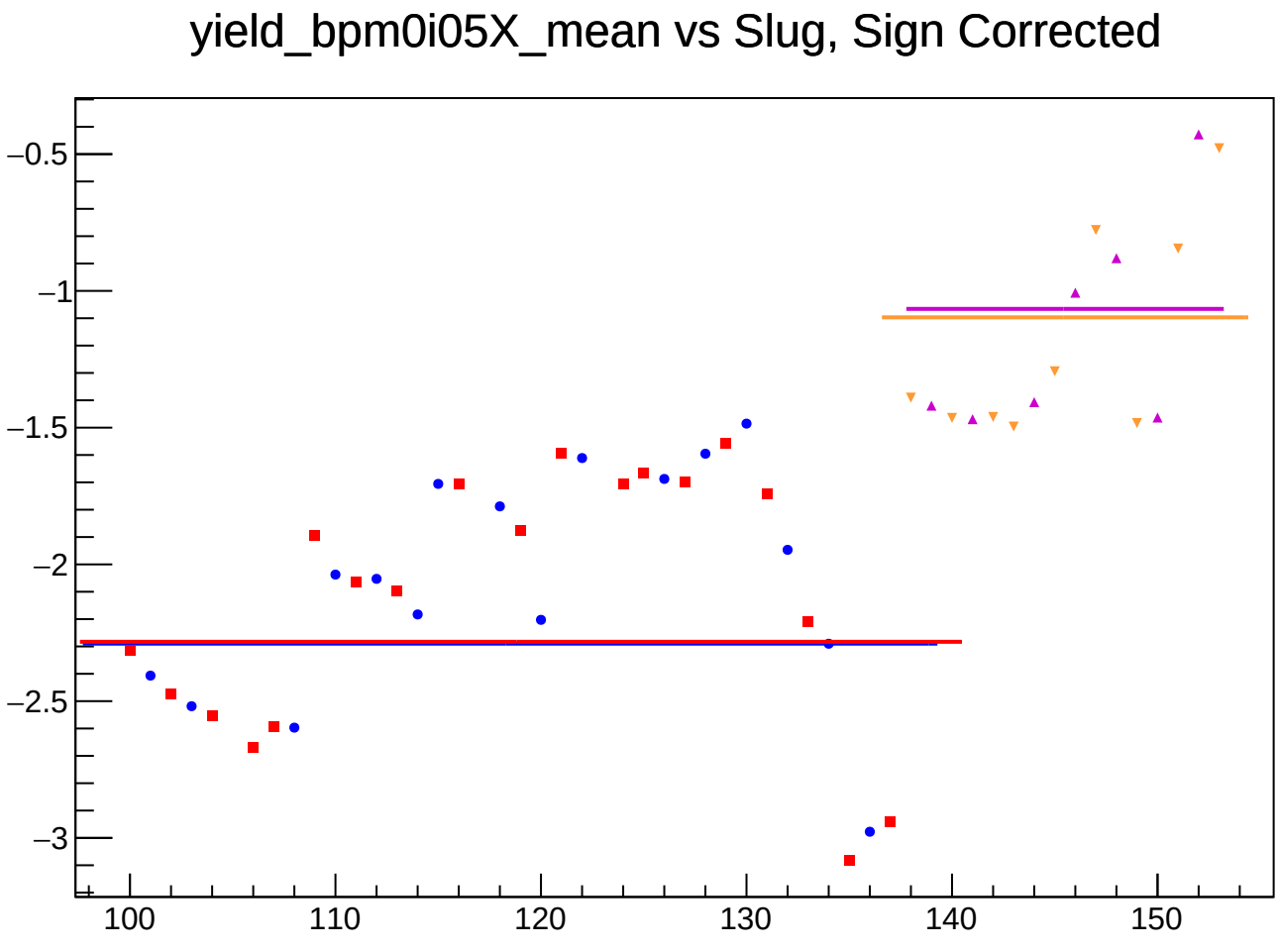
Left: 0.009+/-0.000 χ^2/NDF: 352834.8/15

Right: 0.009+/-0.000 χ^2/NDF: 377987.0/34

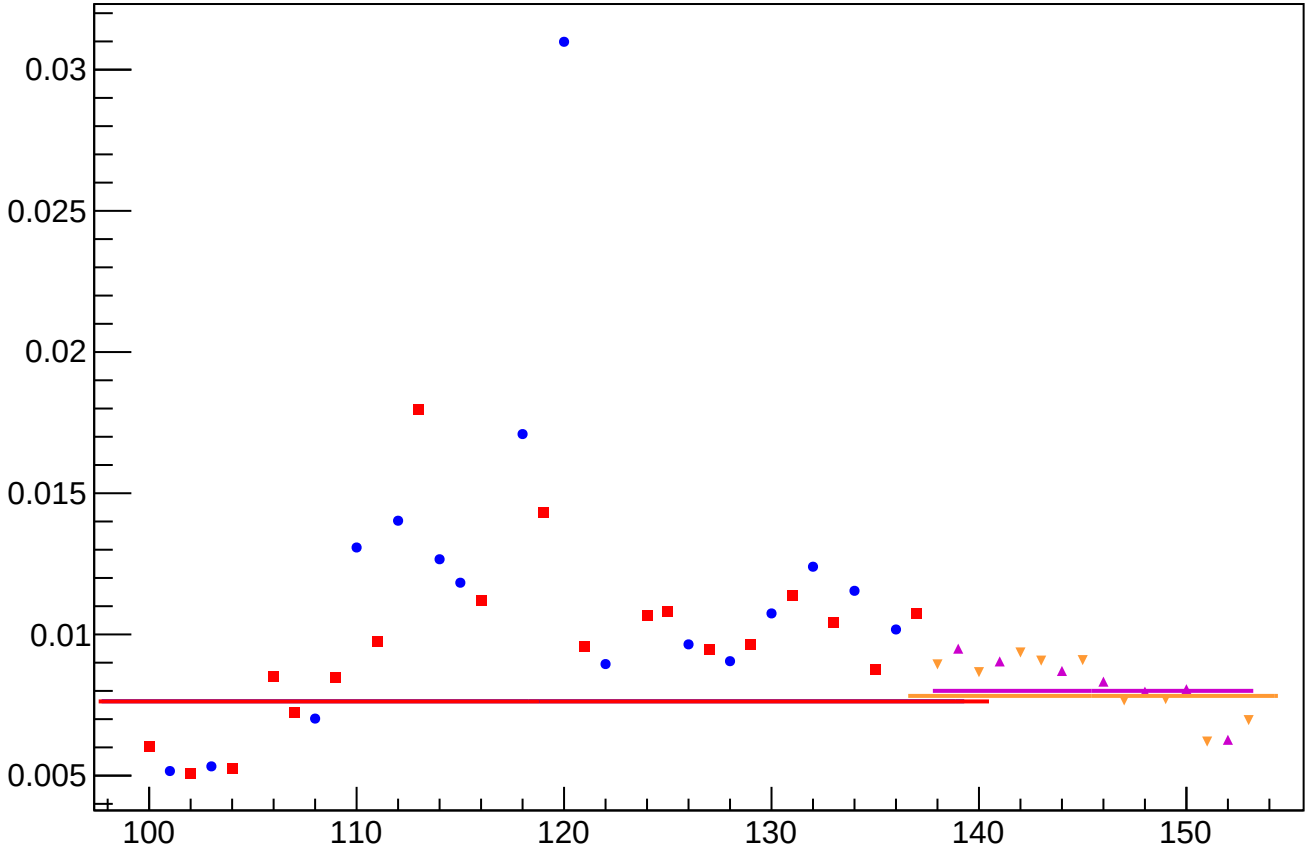
In: 0.009+/-0.000 χ^2/NDF:335785.0/22

Out: 0.009+/-0.000 χ^2/NDF:385575.9/27

All: 0.009+/-0.000 χ^2/NDF: 730827.9/50


yield_bpm0i05X_mean vs Slug, Sign Corrected
−0.5
−1
−1.5
−2
−2.5
−3
100
110
120
130
140
150
Right In: -2.290+/-0.000 χ²/NDF: 15222817978.4/15
Left Out: -1.097+/-0.000 χ²/NDF:14348380274.5/8
Right Out: -2.283+/-0.000 χ²/NDF: 17032219519.1/18
Left In: -1.066+/-0.000 χ²/NDF:14447371483.1/6
Left: -1.082+/-0.000 χ²/NDF: 28839567499.7/15
Right: -2.286+/-0.000 χ²/NDF: 32257076383.6/34
In: -1.687+/-0.000 χ²/NDF:94081661421.3/22
Out: -1.679+/-0.000 χ²/NDF:99616536227.9/27
All: -1.683+/-0.000 χ²/NDF: 193703096366.4

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1710797.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:230883.7/8

Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.008+/-0.000 χ^2/NDF:191521.3/6

Left: 0.008+/-0.000 χ^2/NDF: 425322.9/15

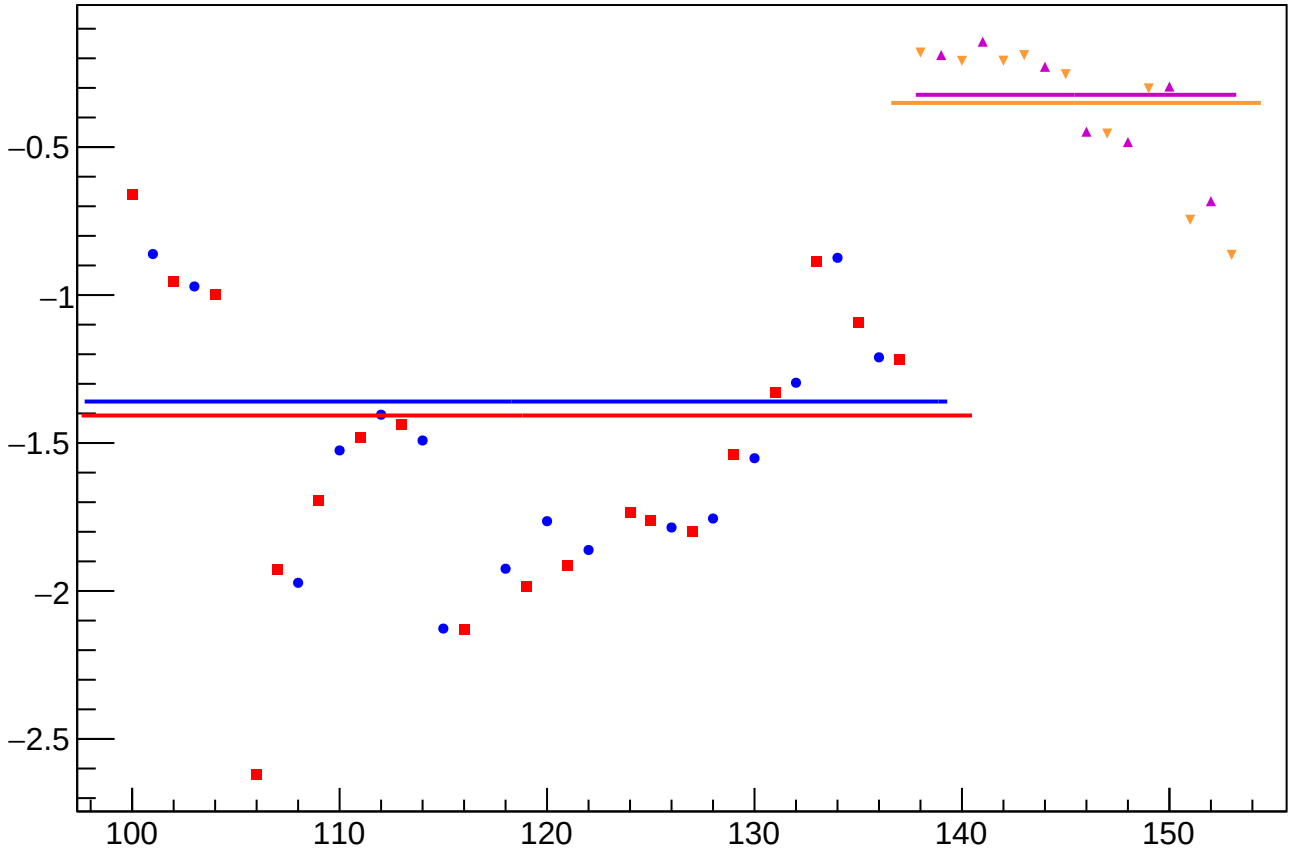
Right: 0.008+/-0.000 χ^2/NDF: 3028539.8/34

In: 0.008+/-0.000 χ^2/NDF:1914042.9/22

Out: 0.008+/-0.000 χ^2/NDF:1552337.0/27

All: 0.008+/-0.000 χ^2/NDF: 3467780.5/50

yield_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: -1.360+/-0.000 χ^2/NDF: 21491965614.5/15

Left Out: -0.351+/-0.000 χ^2/NDF:16303220937.9/8

Right Out: -1.407+/-0.000 χ^2/NDF: 29835610413.0/18

Left In: -0.323+/-0.000 χ^2/NDF:7621535821.4/6

Left: -0.338+/-0.000 χ^2/NDF: 24032947171.2/15

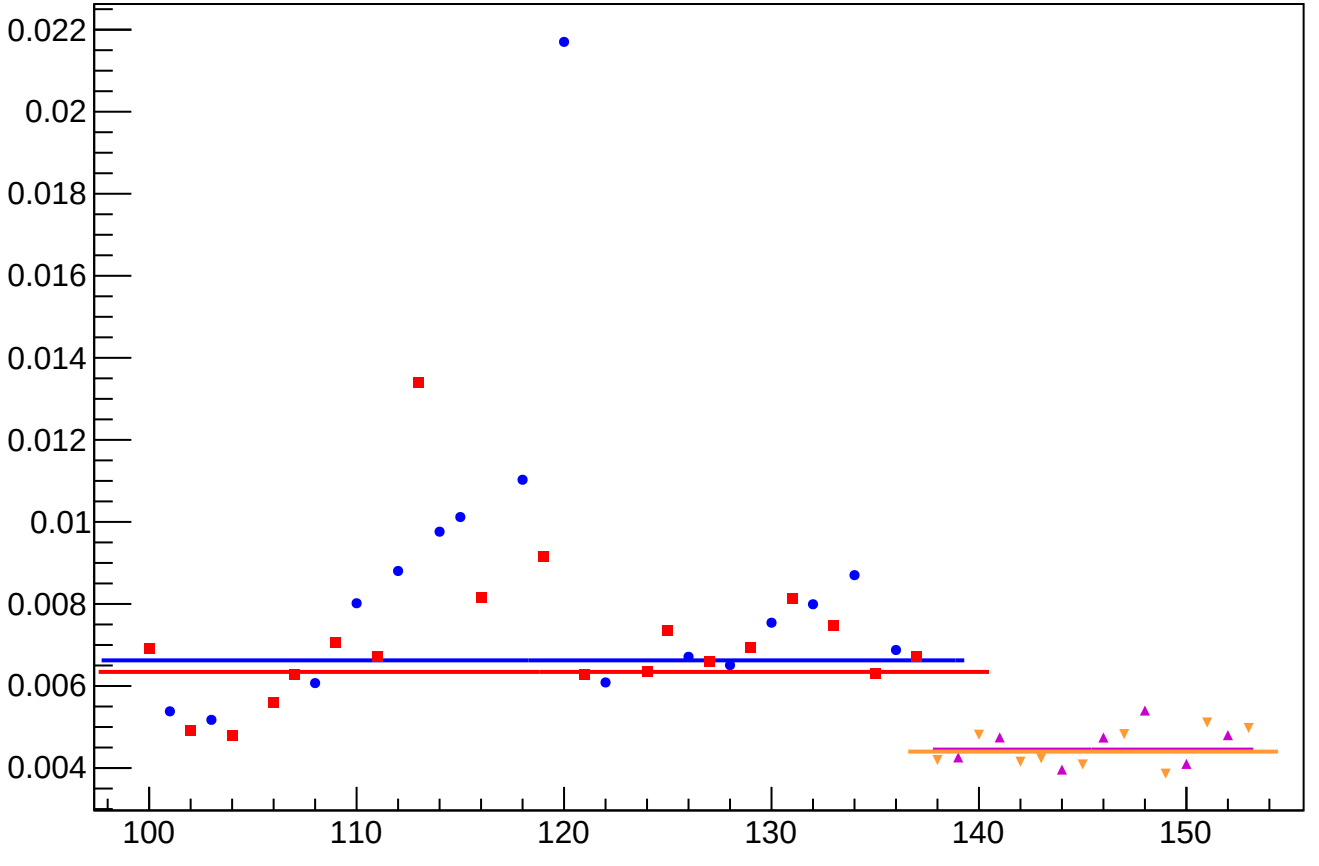
Right: -1.385+/-0.000 χ^2/NDF: 51484688313.9/34

In: -0.668+/-0.000 χ^2/NDF:123732970310.7/22

Out: -0.695+/-0.000 χ^2/NDF:160436536213.6/27

All: -0.683+/-0.000 χ^2/NDF: 284333486381.

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:111247.4/8

Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.004+/-0.000 χ^2/NDF:97308.1/6

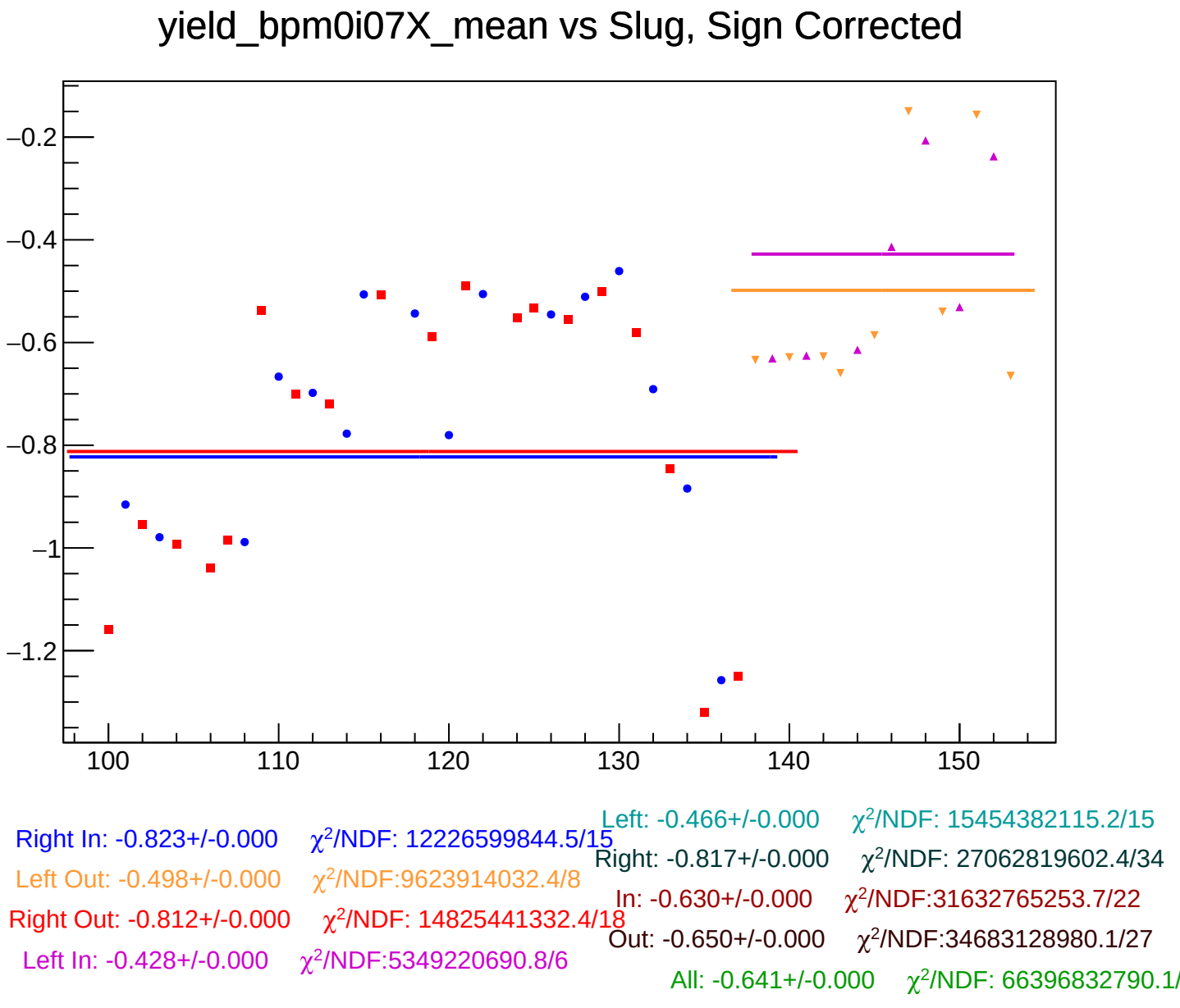
Left: 0.004+/-0.000 χ^2/NDF: 209254.7/15

Right: 0.006+/-0.000 χ^2/NDF: 1234142.9/34

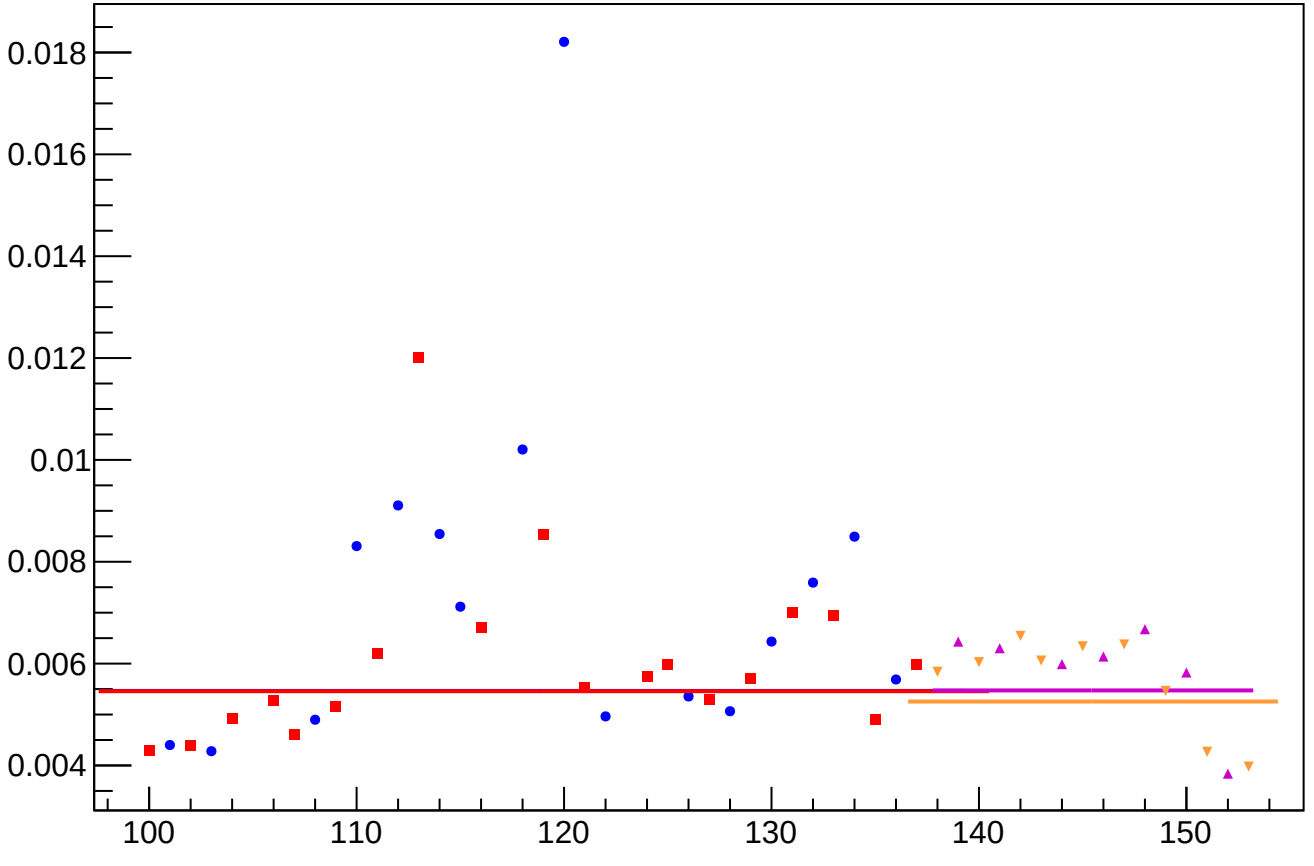
In: 0.005+/-0.000 χ^2/NDF:1624426.3/22

Out: 0.005+/-0.000 χ^2/NDF:1413968.7/27

All: 0.005+/-0.000 χ^2/NDF: 3046571.8/50


yield_bpm0i07X_mean vs Slug, Sign Corrected
−0.2
−0.4
−0.6
−0.8
−1
−1.2
100
110
120
130
140
150
Right In: -0.823+/-0.000 χ²/NDF: 12226599844.5/15
Left Out: -0.498+/-0.000 χ²/NDF:9623914032.4/8
Right Out: -0.812+/-0.000 χ²/NDF: 14825441332.4/18
Left In: -0.428+/-0.000 χ²/NDF:5349220690.8/6
Left: -0.466+/-0.000 χ²/NDF: 15454382115.2/15
Right: -0.817+/-0.000 χ²/NDF: 27062819602.4/34
In: -0.630+/-0.000 χ²/NDF:31632765253.7/22
Out: -0.650+/-0.000 χ²/NDF:34683128980.1/27
All: -0.641+/-0.000 χ²/NDF: 66396832790.1/

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 961483.6/15

Left Out: 0.005+/-0.000 χ^2/NDF:410959.9/8

Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.005+/-0.000 χ^2/NDF:433122.5/6

Left: 0.005+/-0.000 χ^2/NDF: 853251.2/15

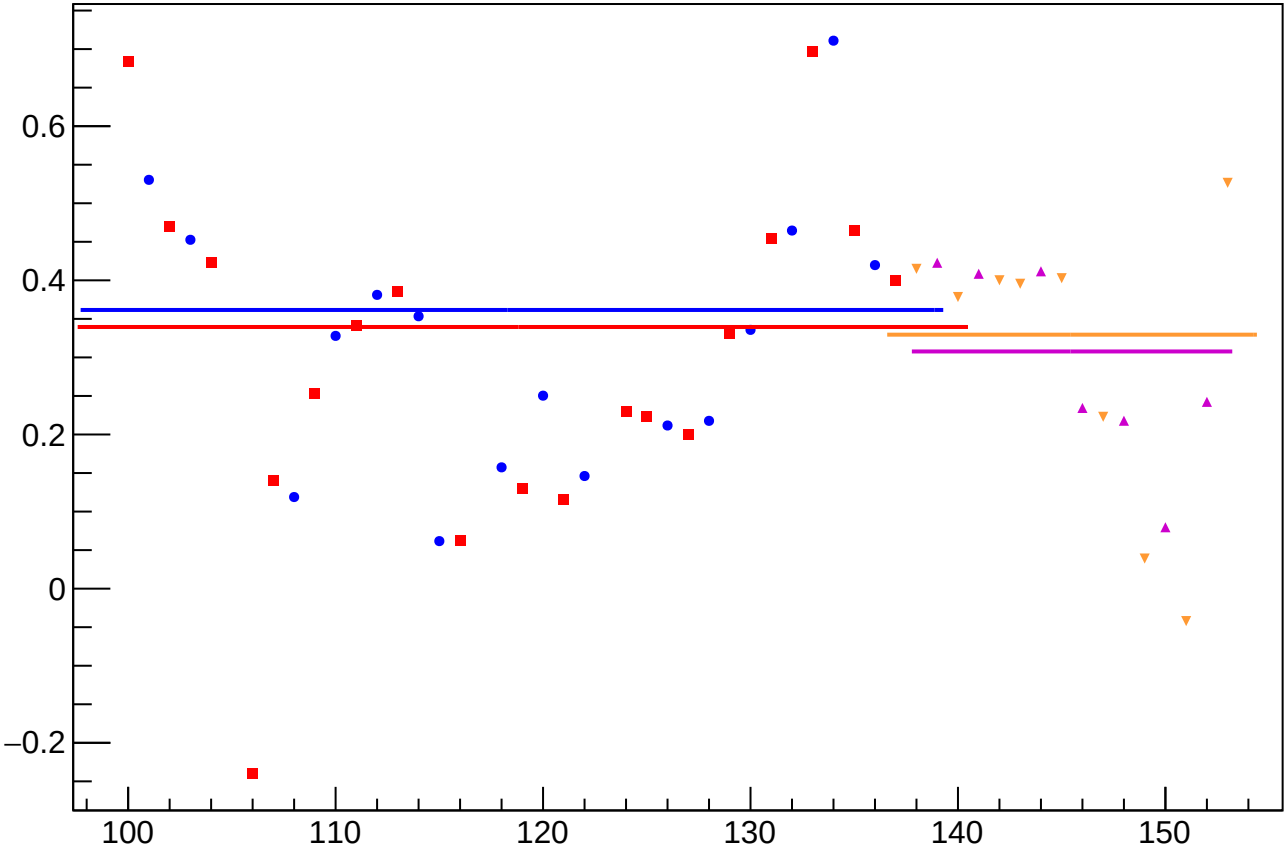
Right: 0.005+/-0.000 χ^2/NDF: 1469281.0/34

In: 0.005+/-0.000 χ^2/NDF:1394625.1/22

Out: 0.005+/-0.000 χ^2/NDF:927284.0/27

All: 0.005+/-0.000 χ^2/NDF: 2326958.9/50

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.330+/-0.000 χ^2/NDF:9763057286.9/8

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

Left In: 0.308+/-0.000 χ^2/NDF:2993419916.6/6

Left: 0.319+/-0.000 χ^2/NDF: 12825714710.2/15

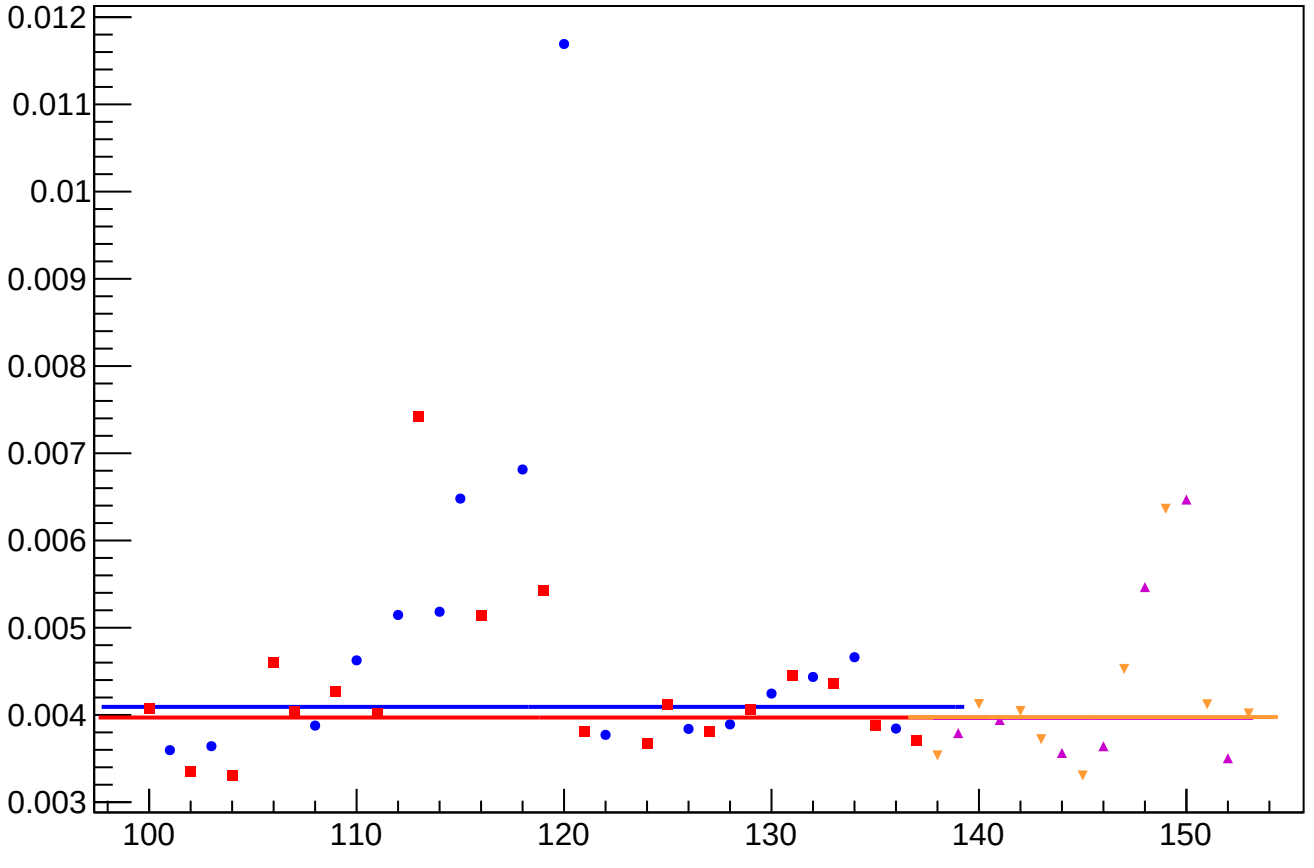
Right: 0.350+/-0.000 χ^2/NDF: 20941665635.5/34

In: 0.339+/-0.000 χ^2/NDF:12221768987.3/22

Out: 0.335+/-0.000 χ^2/NDF:21852468947.4/27

All: 0.337+/-0.000 χ^2/NDF: 34078278417.7/5

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 491748.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:273808.8/8

Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.004+/-0.000 χ^2/NDF:357168.4/6

Left: 0.004+/-0.000 χ^2/NDF: 631002.6/15

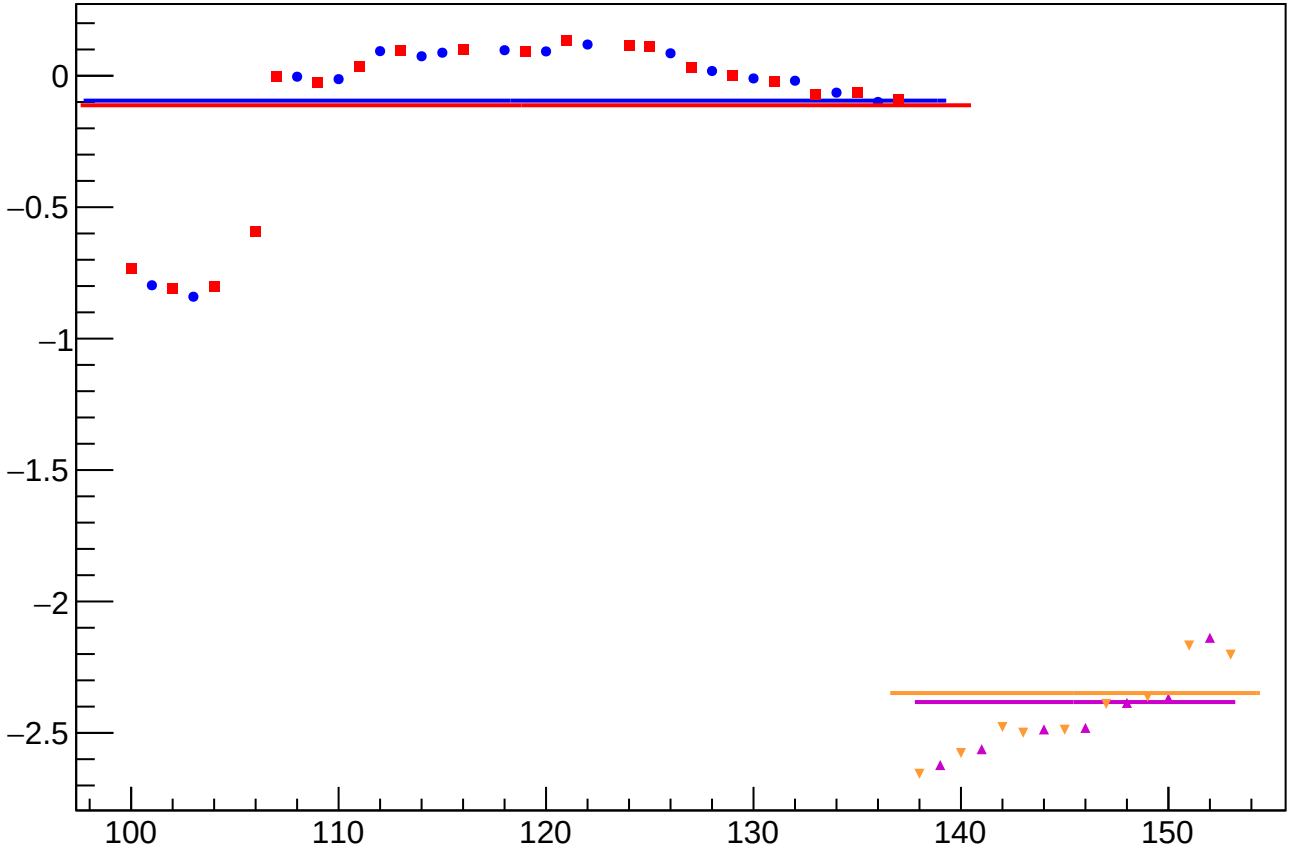
Right: 0.004+/-0.000 χ^2/NDF: 811192.6/34

In: 0.004+/-0.000 χ^2/NDF:853890.1/22

Out: 0.004+/-0.000 χ^2/NDF:587519.5/27

All: 0.004+/-0.000 χ^2/NDF: 1444356.4/50

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.348+/-0.000 χ^2/NDF:1498120034.8/8

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

Left In: -2.383+/-0.000 χ^2/NDF:1170631336.8/6

Left: -2.363+/-0.000 χ^2/NDF: 2691585261.3/15

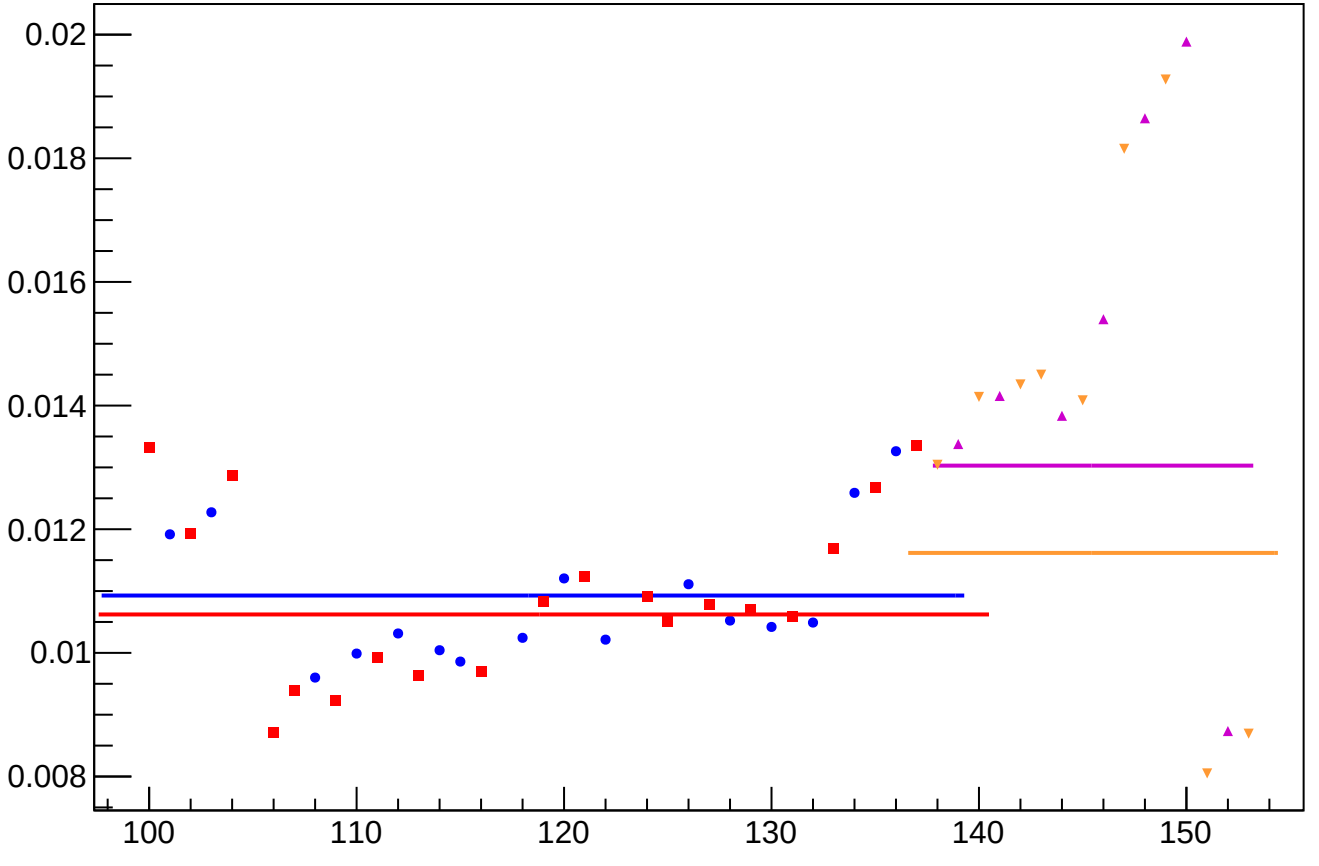
Right: -0.104+/-0.000 χ^2/NDF: 11689577002.2/34

In: -0.916+/-0.000 χ^2/NDF:118784364534.0/22

Out: -1.048+/-0.000 χ^2/NDF:144454755772.0/27

All: -0.988+/-0.000 χ^2/NDF: 264126737182.1

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 136478.1/15

Left Out: 0.012+/-0.000 χ^2/NDF:1202398.7/8

Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.013+/-0.000 χ^2/NDF:838855.4/6

Left: 0.012+/-0.000 χ^2/NDF: 2119162.2/15

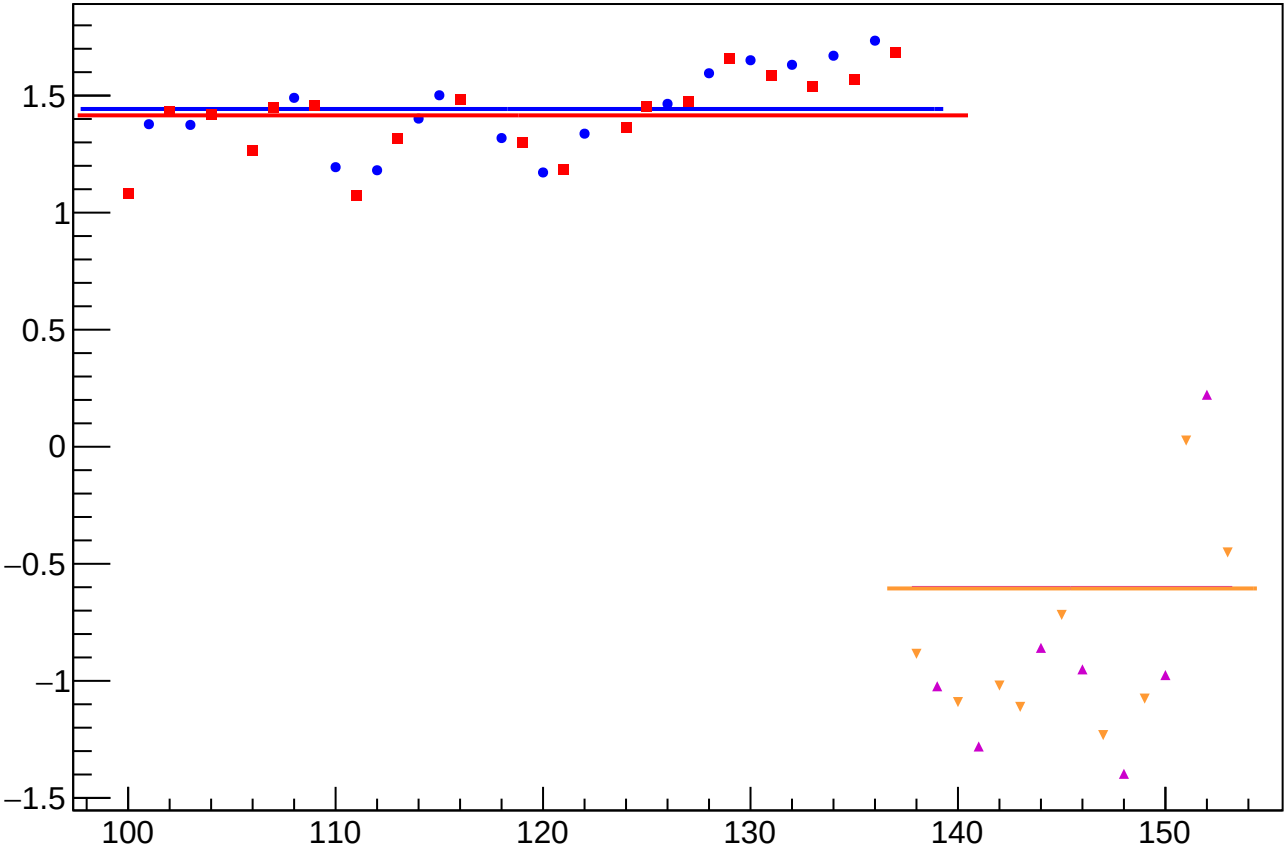
Right: 0.011+/-0.000 χ^2/NDF: 332847.6/34

In: 0.012+/-0.000 χ^2/NDF:1164475.2/22

Out: 0.011+/-0.000 χ^2/NDF:1447126.3/27

All: 0.011+/-0.000 χ^2/NDF: 2653830.0/50

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -0.605+/-0.000 χ^2/NDF:18276982688.6/8

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

Left In: -0.603+/-0.000 χ^2/NDF:26743617401.7/6

Left: -0.604+/-0.000 χ^2/NDF: 45020769071.0/15

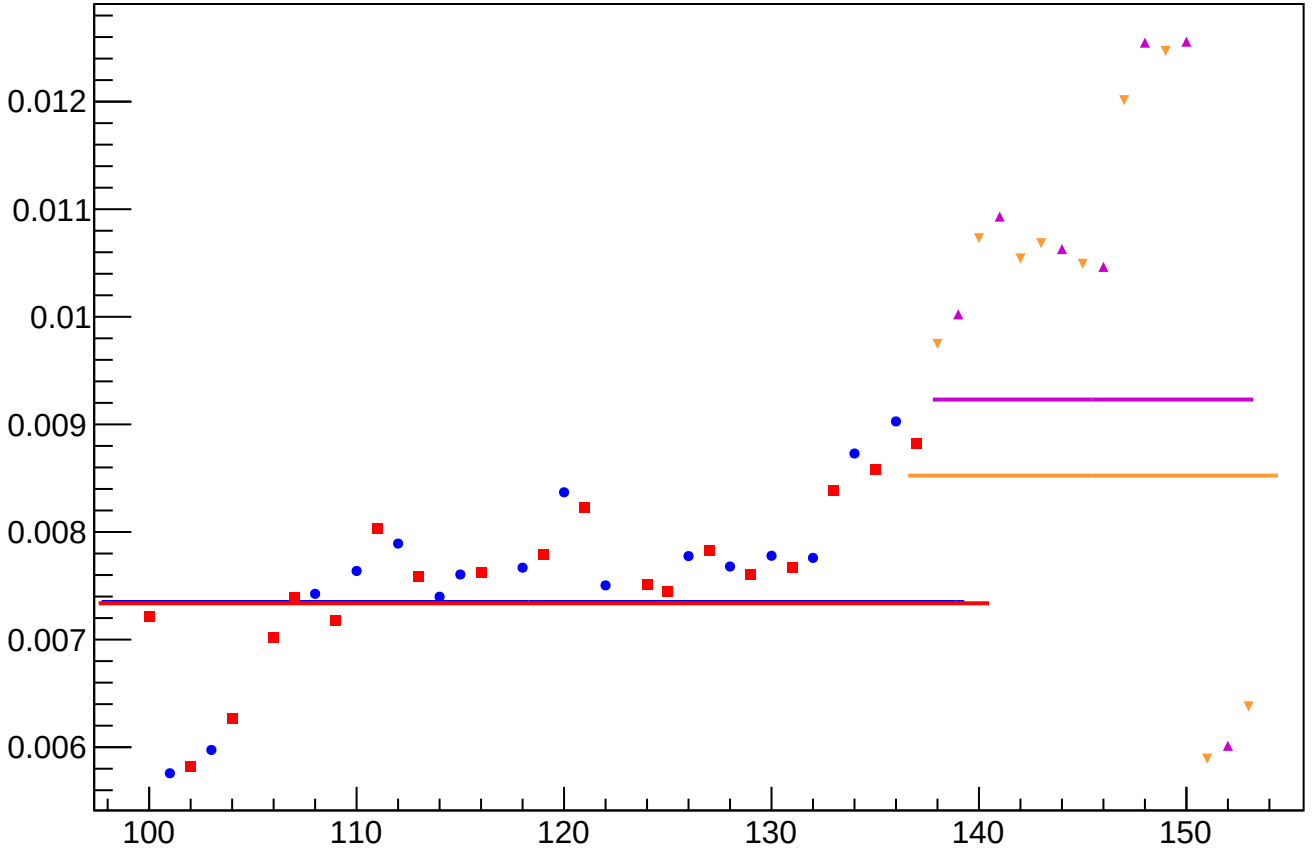
Right: 1.429+/-0.000 χ^2/NDF: 6593016759.0/34

In: 0.752+/-0.000 χ^2/NDF:215420061918.2/22

Out: 0.622+/-0.000 χ^2/NDF:240639996399.4/27

All: 0.683+/-0.000 χ^2/NDF: 457835134489.5

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 270864.2/15

Left Out: 0.009+/-0.000 χ^2/NDF:1067888.7/8

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

Left In: 0.009+/-0.000 χ^2/NDF:845446.6/6

Left: 0.009+/-0.000 χ^2/NDF: 1951325.7/15

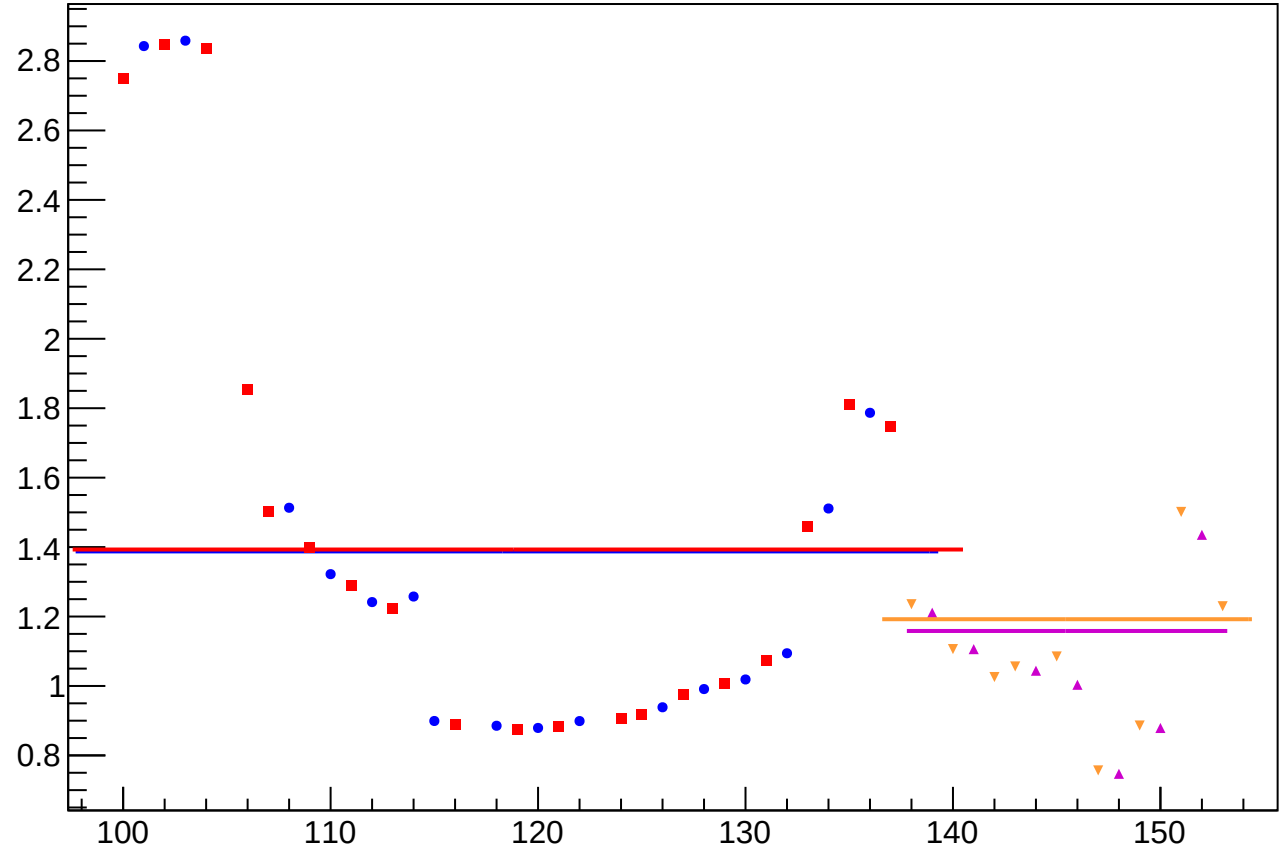
Right: 0.007+/-0.000 χ^2/NDF: 466255.6/34

In: 0.008+/-0.000 χ^2/NDF:1429121.3/22

Out: 0.008+/-0.000 χ^2/NDF:1414716.4/27

All: 0.008+/-0.000 χ^2/NDF: 2850756.7/50

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.192+/-0.000 χ^2/NDF:4298690116.0/8

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

Left In: 1.158+/-0.000 χ^2/NDF:3569032821.7/6

Left: 1.178+/-0.000 χ^2/NDF: 7919761947.6/15

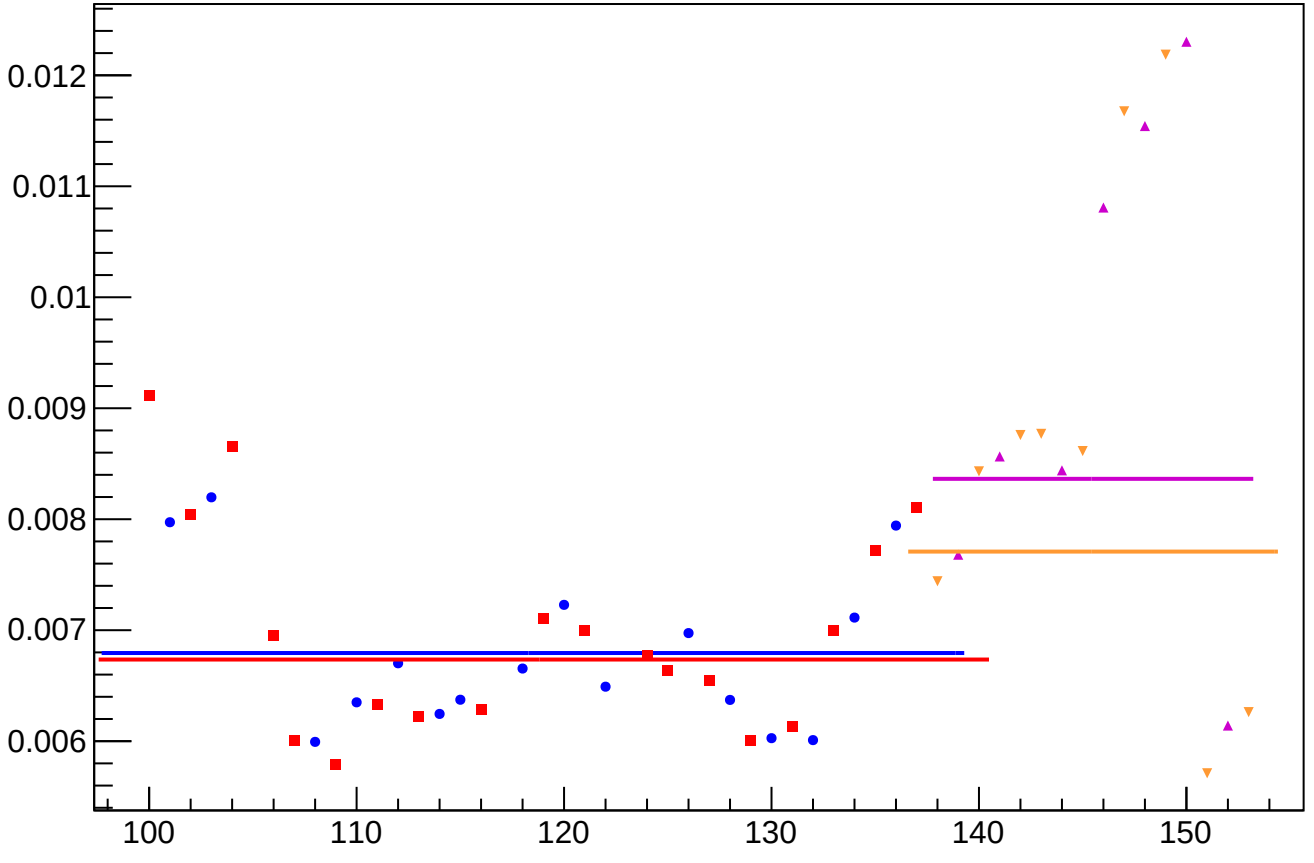
Right: 1.390+/-0.000 χ^2/NDF: 113980694957.7/34

In: 1.310+/-0.000 χ^2/NDF:64930113879.5/22

Out: 1.314+/-0.000 χ^2/NDF:62247720860.0/27

All: 1.312+/-0.000 χ^2/NDF: 127179850830.8

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 164456.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:714983.9/8

Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

Left In: 0.008+/-0.000 χ^2/NDF:609414.0/6

Left: 0.008+/-0.000 χ^2/NDF: 1363368.3/15

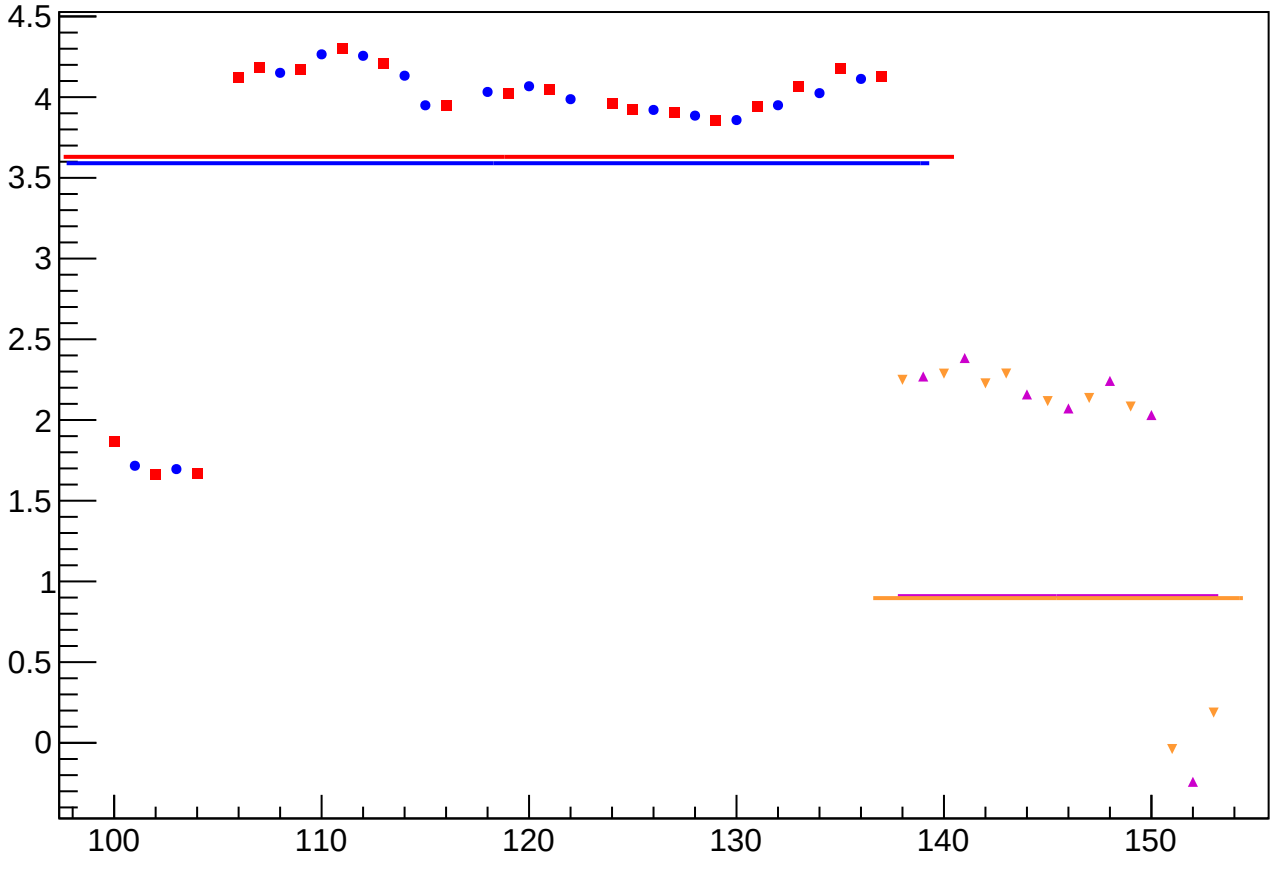
Right: 0.007+/-0.000 χ^2/NDF: 363493.8/34

In: 0.007+/-0.000 χ^2/NDF:1031622.1/22

Out: 0.007+/-0.000 χ^2/NDF:1034768.3/27

All: 0.007+/-0.000 χ^2/NDF: 2077173.6/50

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 0.897+/-0.000 χ^2/NDF:226143162258.4/8

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

Left In: 0.909+/-0.000 χ^2/NDF:232117801605.0/6

Left: 0.902+/-0.000 χ^2/NDF: 458274560585.0/15

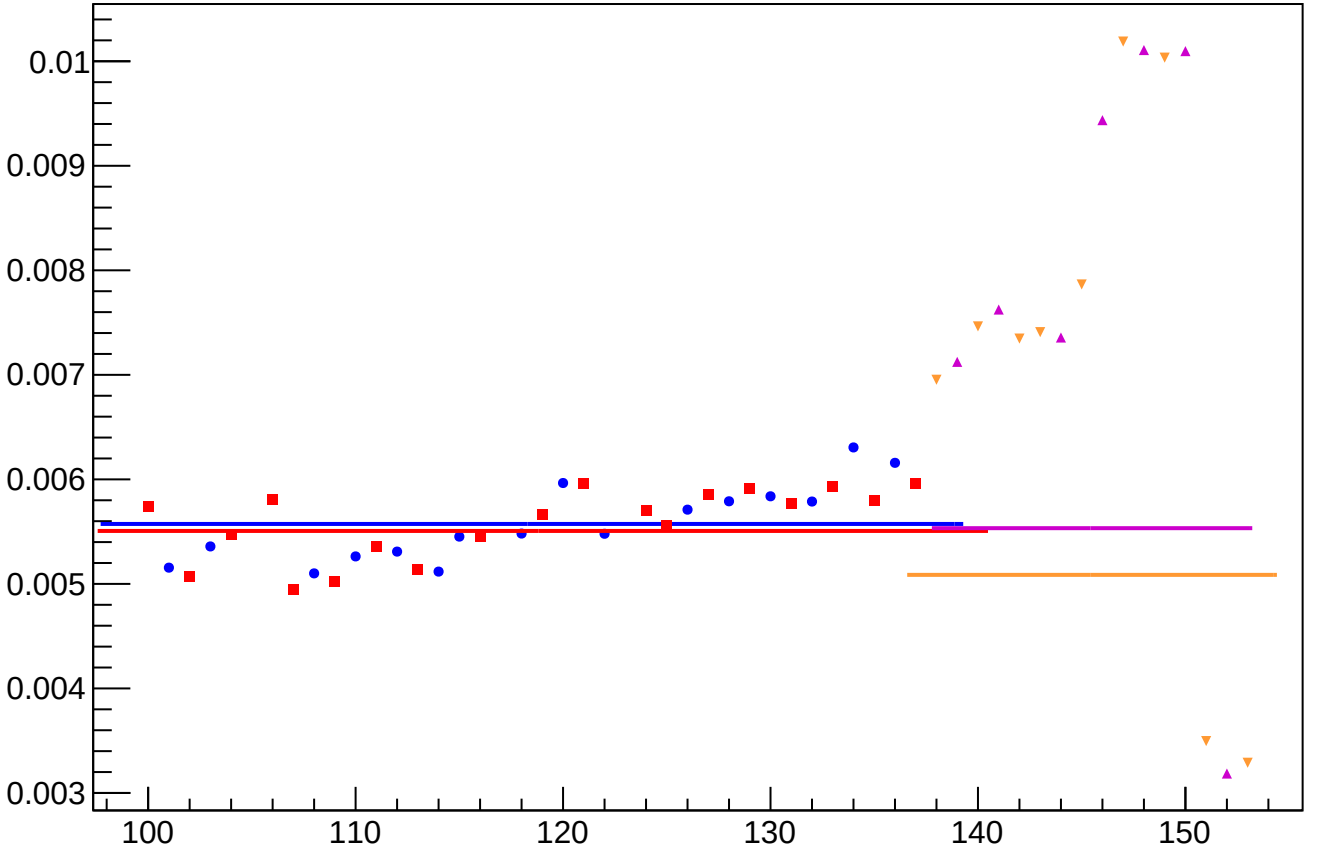
Right: 3.611+/-0.000 χ^2/NDF: 414956393826.7/34

In: 2.518+/-0.000 χ^2/NDF:1097943923015.2/22

Out: 2.355+/-0.000 χ^2/NDF:1278025946009.2/27

All: 2.430+/-0.000 χ^2/NDF: 2381486496815.

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 59130.1/15

Left Out: 0.005+/-0.000 χ^2/NDF:2199785.9/8

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

Left In: 0.006+/-0.000 χ^2/NDF:2135024.8/6

Left: 0.005+/-0.000 χ^2/NDF: 4370266.9/15

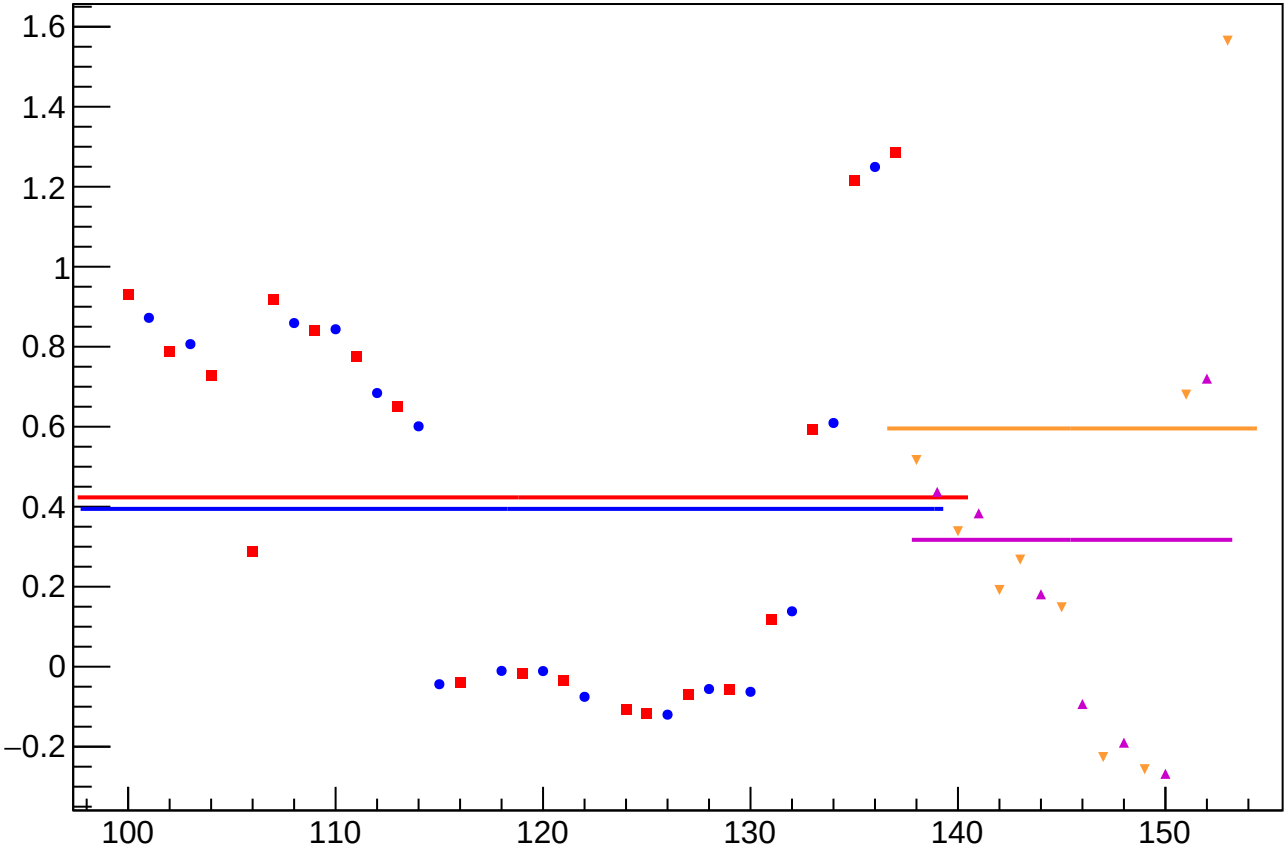
Right: 0.006+/-0.000 χ^2/NDF: 117612.2/34

In: 0.006+/-0.000 χ^2/NDF:2194457.2/22

Out: 0.005+/-0.000 χ^2/NDF:2296883.5/27

All: 0.005+/-0.000 χ^2/NDF: 4516615.4/50

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 0.596+/-0.000 χ^2/NDF:13116895989.5/8

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

Left In: 0.317+/-0.000 χ^2/NDF:4032434081.0/6

Left: 0.471+/-0.000 χ^2/NDF: 18415242904.2/15

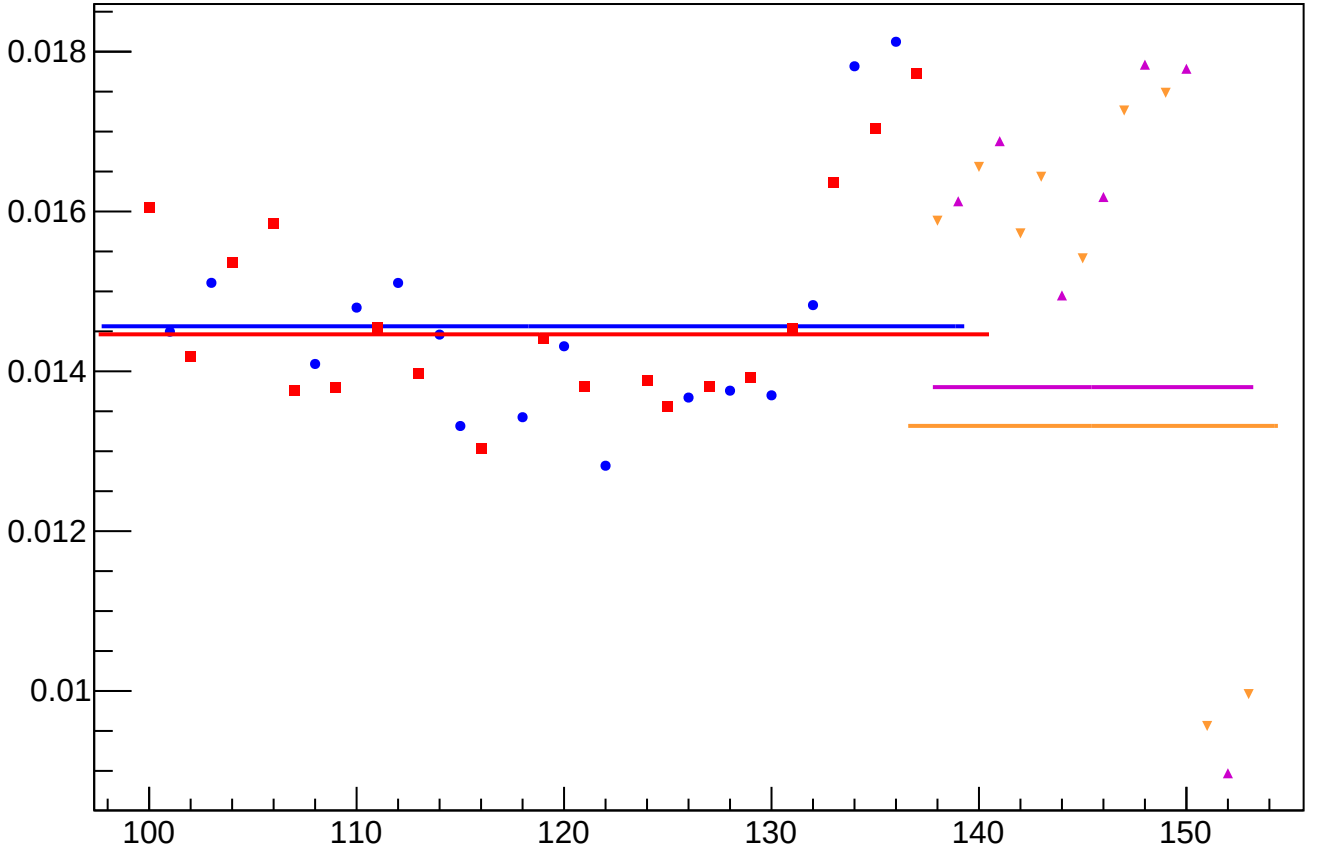
Right: 0.409+/-0.000 χ^2/NDF: 14330729641.2/34

In: 0.358+/-0.000 χ^2/NDF:11538919718.1/22

Out: 0.511+/-0.000 χ^2/NDF:20549799311.6/27

All: 0.440+/-0.000 χ^2/NDF: 32873837414.0/5

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 133134.7/15

Left Out: 0.013+/-0.000 χ^2/NDF:819548.9/8

Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.014+/-0.000 χ^2/NDF:808206.0/6

Left: 0.014+/-0.000 χ^2/NDF: 1635445.0/15

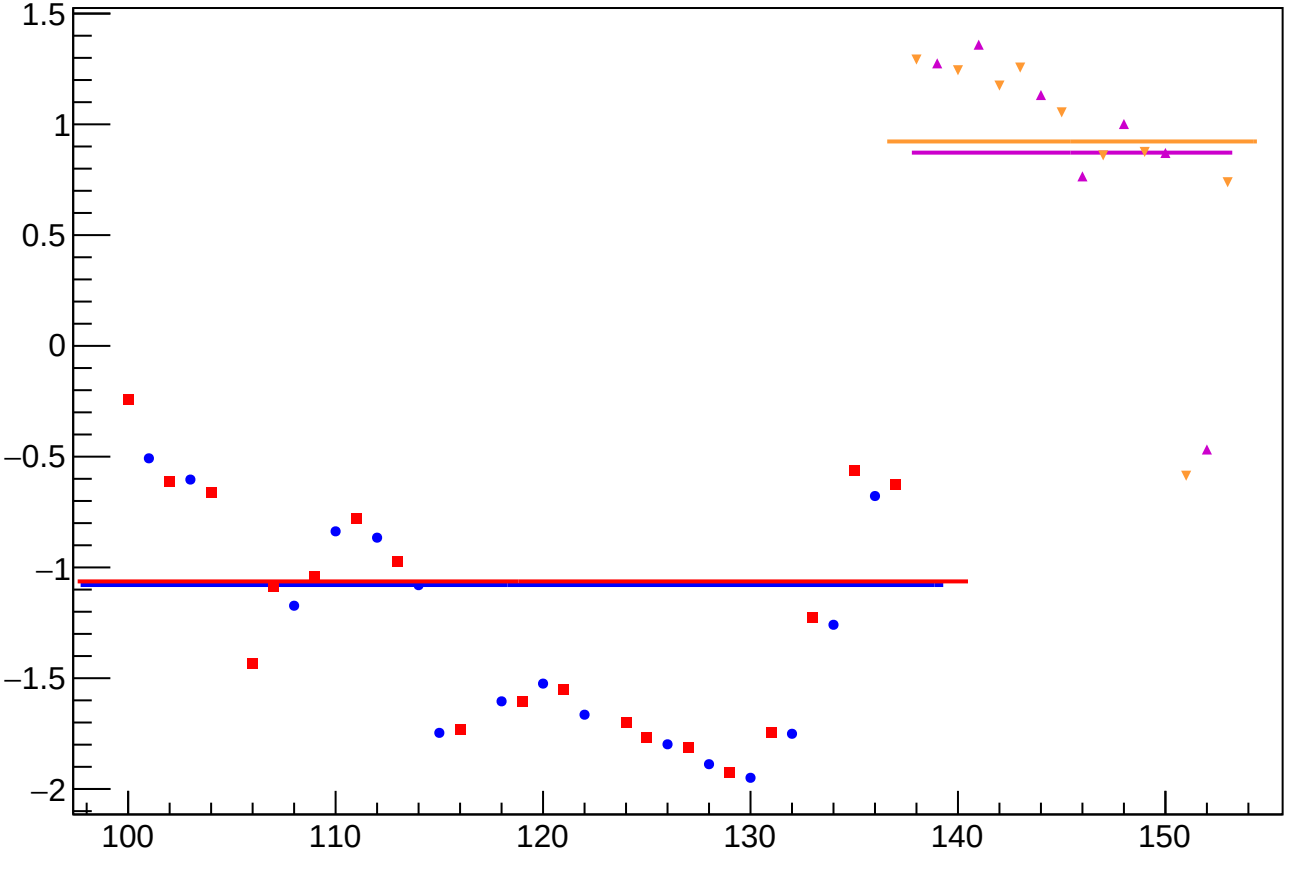
Right: 0.015+/-0.000 χ^2/NDF: 210877.4/34

In: 0.014+/-0.000 χ^2/NDF:959535.9/22

Out: 0.014+/-0.000 χ^2/NDF:943717.6/27

All: 0.014+/-0.000 χ^2/NDF: 1910523.4/50

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 0.923+/-0.000 χ^2/NDF:98056644299.2/8

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

Left In: 0.872+/-0.000 χ^2/NDF:103407152515.6/6

Left: 0.900+/-0.000 χ^2/NDF: 201964580753.1/15

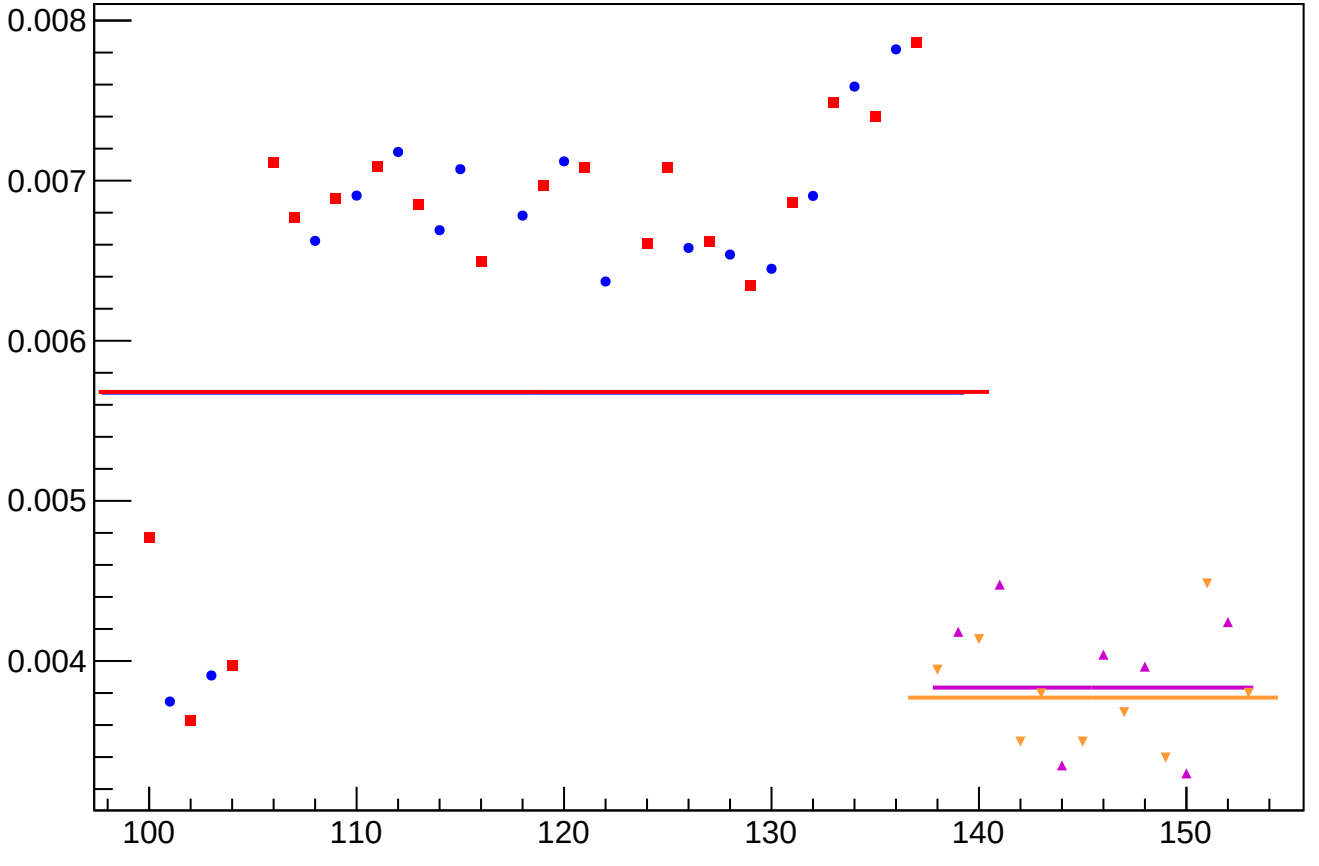
Right: -1.071+/-0.000 χ^2/NDF: 109693375141.4/34

In: 0.181+/-0.000 χ^2/NDF:649170734035.7/22

Out: 0.297+/-0.000 χ^2/NDF:687567939216.2/27

All: 0.242+/-0.000 χ^2/NDF: 1340736281154.

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:81021.3/8

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

Left In: 0.004+/-0.000 χ^2/NDF:141360.3/6

Left: 0.004+/-0.000 χ^2/NDF: 223922.9/15

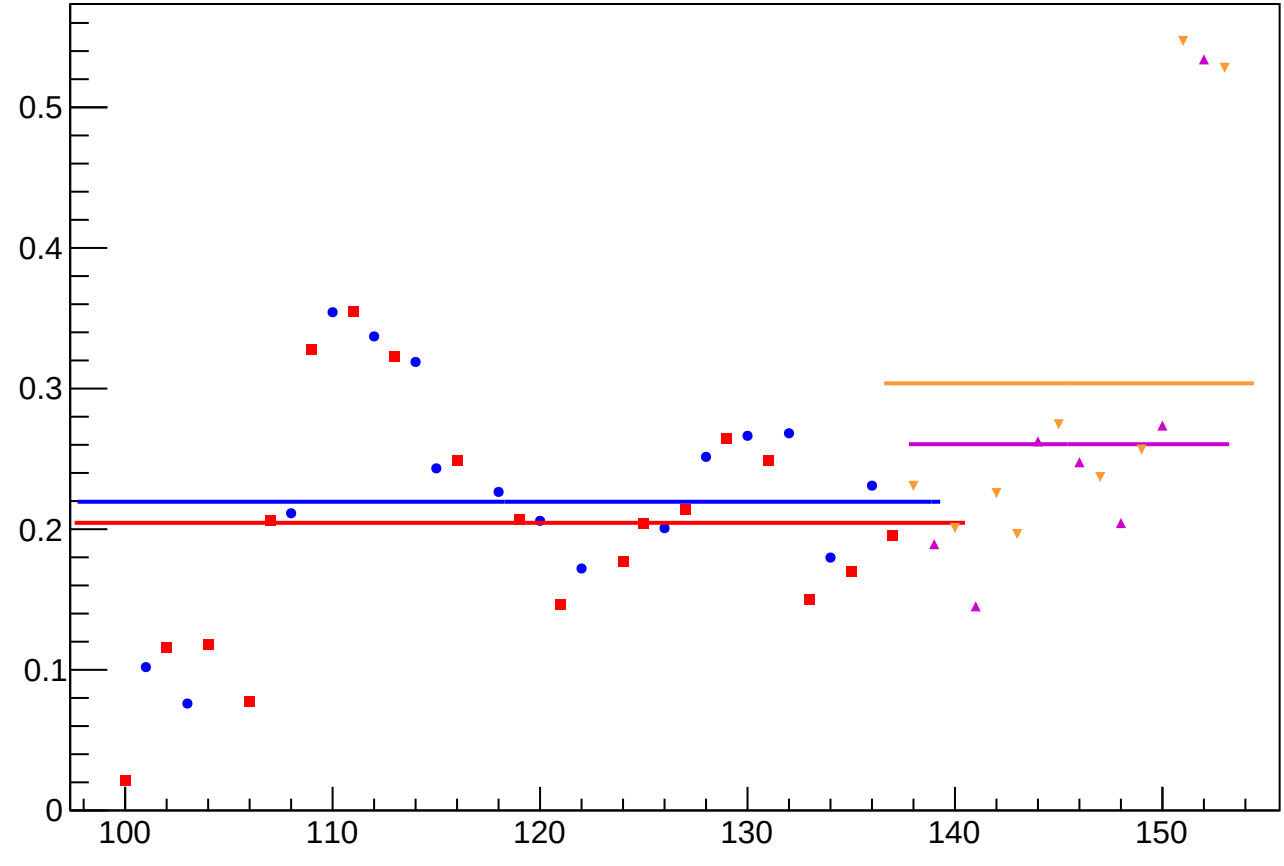
Right: 0.006+/-0.000 χ^2/NDF: 1925411.0/34

In: 0.004+/-0.000 χ^2/NDF:1952234.1/22

Out: 0.004+/-0.000 χ^2/NDF:2059316.1/27

All: 0.004+/-0.000 χ^2/NDF: 4019197.6/50

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.304+/-0.000 χ^2/NDF:61321047143.1/8

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

Left In: 0.260+/-0.000 χ^2/NDF:35683707981.6/6

Left: 0.284+/-0.000 χ^2/NDF: 99945346641.1/15

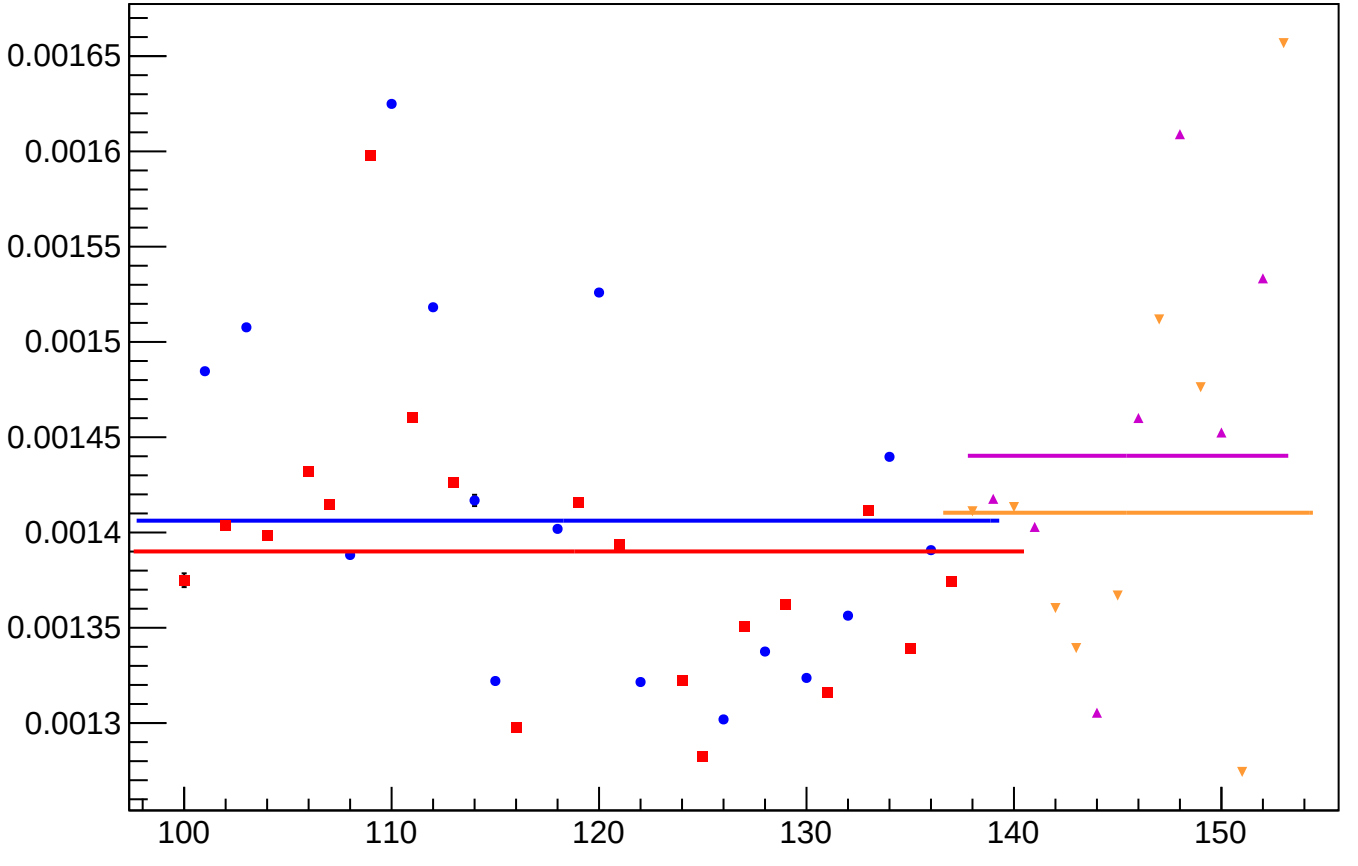
Right: 0.212+/-0.000 χ^2/NDF: 39451425816.8/34

In: 0.238+/-0.000 χ^2/NDF:55060800510.3/22

Out: 0.252+/-0.000 χ^2/NDF:101440919846.3/27

All: 0.245+/-0.000 χ^2/NDF: 157158037125.6

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:72394.1/8

Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.001+/-0.000 χ^2/NDF:44608.2/6

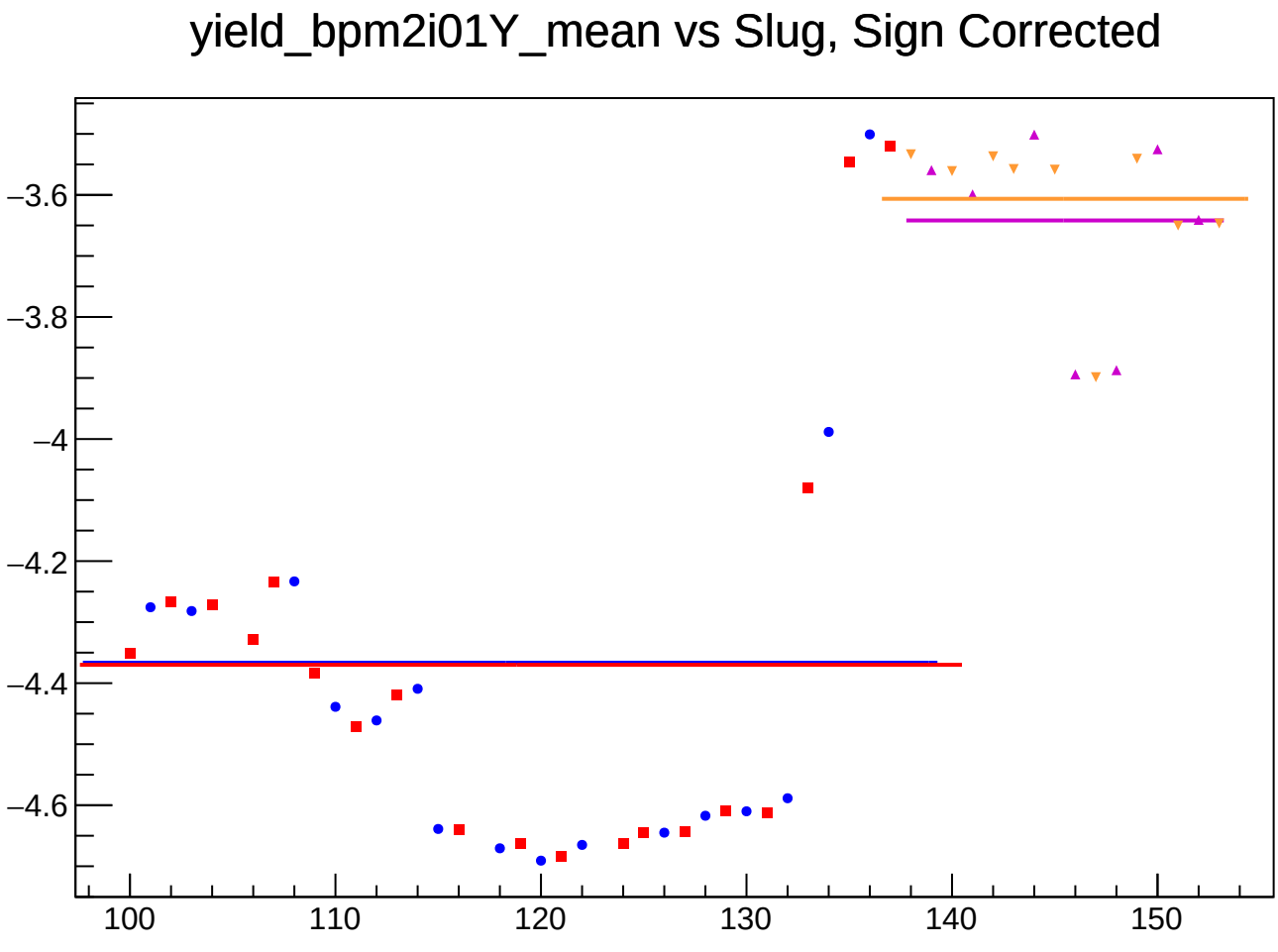
Left: 0.001+/-0.000 χ^2/NDF: 119808.6/15

Right: 0.001+/-0.000 χ^2/NDF: 83938.6/34

In: 0.001+/-0.000 χ^2/NDF:96475.2/22

Out: 0.001+/-0.000 χ^2/NDF:108675.7/27

All: 0.001+/-0.000 χ^2/NDF: 208377.1/50



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.606+/-0.000 χ^2/NDF:19085126953.8/8

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

Left In: -3.642+/-0.000 χ^2/NDF:32344589642.8/6

Left: -3.622+/-0.000 χ^2/NDF: 52563713164.0/15

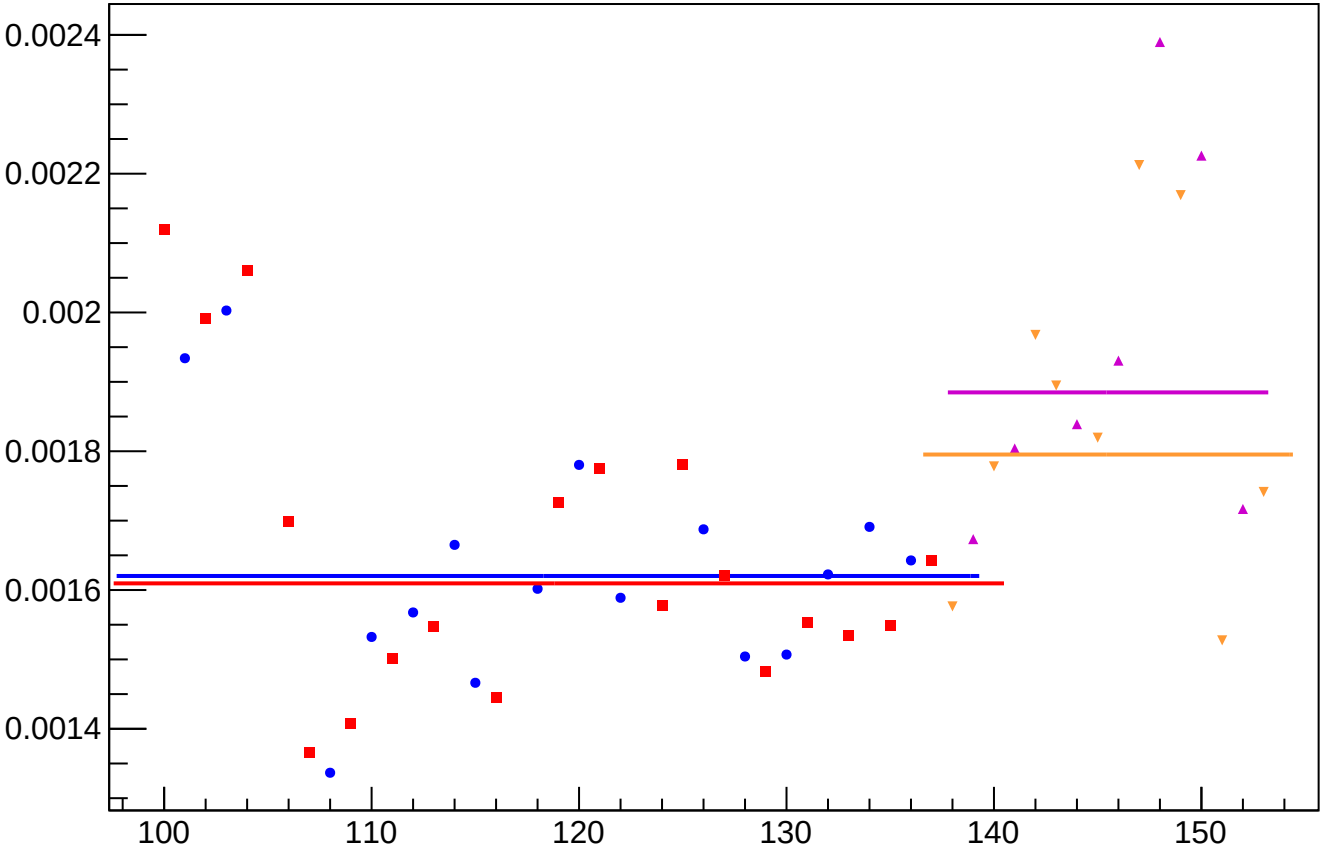
Right: -4.368+/-0.000 χ^2/NDF: 649165512283.3/34

In: -4.090+/-0.000 χ^2/NDF:910194241262.8/22

Out: -4.045+/-0.000 χ^2/NDF:997169788055.4/27

All: -4.066+/-0.000 χ^2/NDF: 1911916546709

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:194483.8/8

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

Left In: 0.002+/-0.000 χ^2/NDF:159301.1/6

Left: 0.002+/-0.000 χ^2/NDF: 368235.3/15

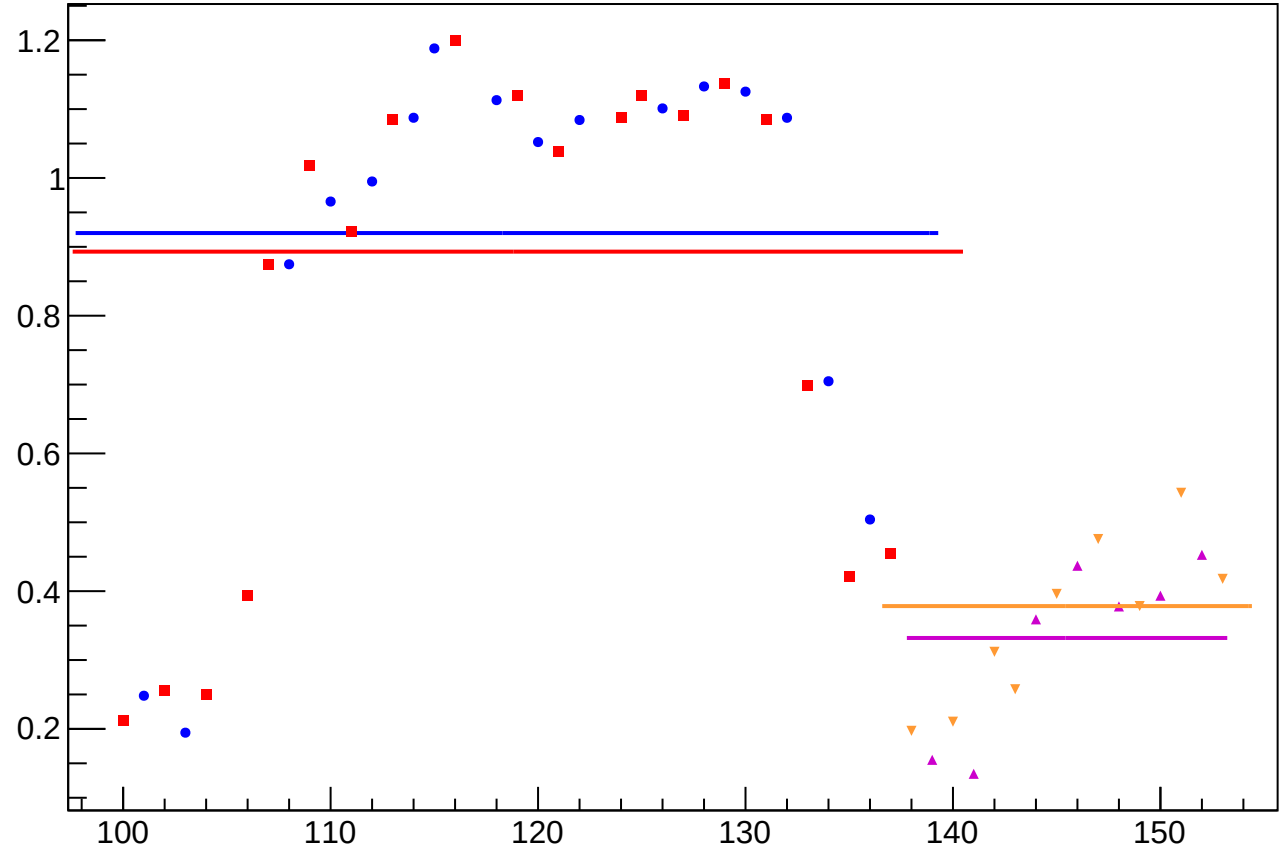
Right: 0.002+/-0.000 χ^2/NDF: 325489.2/34

In: 0.002+/-0.000 χ^2/NDF:439423.3/22

Out: 0.002+/-0.000 χ^2/NDF:460106.8/27

All: 0.002+/-0.000 χ^2/NDF: 904304.7/50

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.378+/-0.000 χ^2/NDF:1614458796.5/8

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

Left In: 0.332+/-0.000 χ^2/NDF:1272409124.5/6

Left: 0.359+/-0.000 χ^2/NDF: 2981612749.7/15

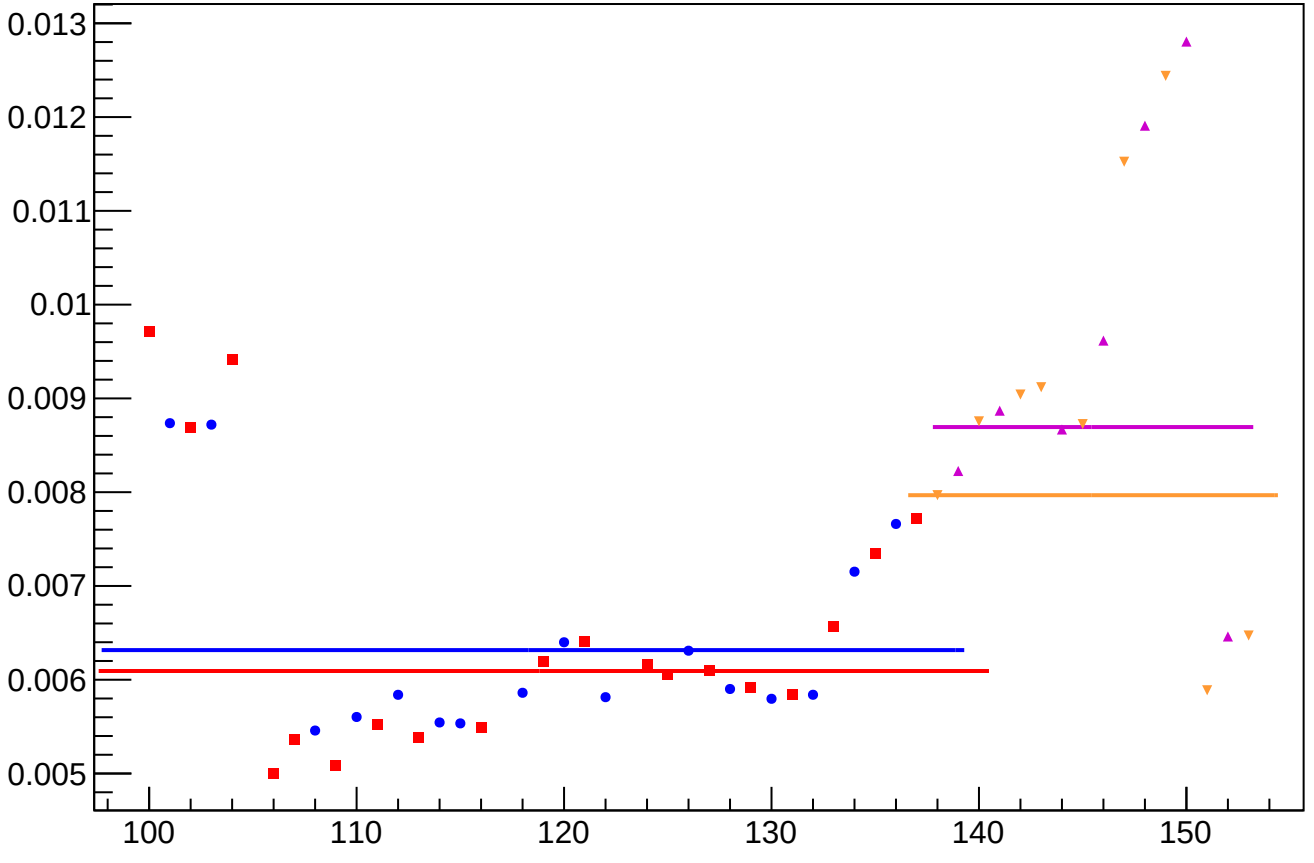
Right: 0.906+/-0.000 χ^2/NDF: 32276058175.7/34

In: 0.741+/-0.000 χ^2/NDF:34346997568.4/22

Out: 0.714+/-0.000 χ^2/NDF:37216818928.8/27

All: 0.727+/-0.000 χ^2/NDF: 71660140994.3/5

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 335709.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:731544.0/8

Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.009+/-0.000 χ^2/NDF:532475.0/6

Left: 0.008+/-0.000 χ^2/NDF: 1310694.2/15

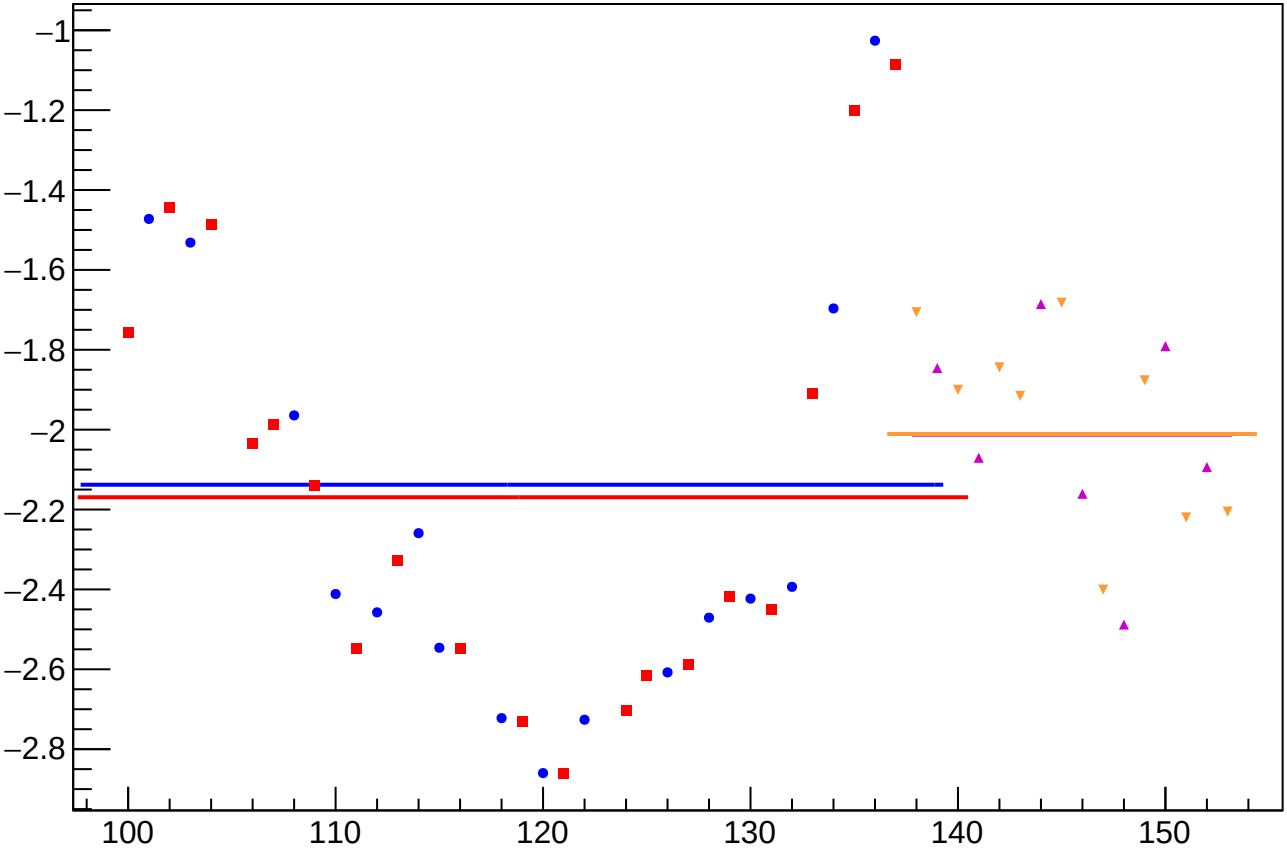
Right: 0.006+/-0.000 χ^2/NDF: 780835.2/34

In: 0.007+/-0.000 χ^2/NDF:1473827.5/22

Out: 0.007+/-0.000 χ^2/NDF:1644003.5/27

All: 0.007+/-0.000 χ^2/NDF: 3141962.9/50

yield_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -2.138+/-0.000 χ^2/NDF: 65666622158.4/15

Left Out: -2.011+/-0.000 χ^2/NDF:7432806949.6/8

Right Out: -2.169+/-0.000 χ^2/NDF: 57409196879.6/18

Left In: -2.013+/-0.000 χ^2/NDF:5130859894.4/6

Left: -2.012+/-0.000 χ^2/NDF: 12563837677.1/15

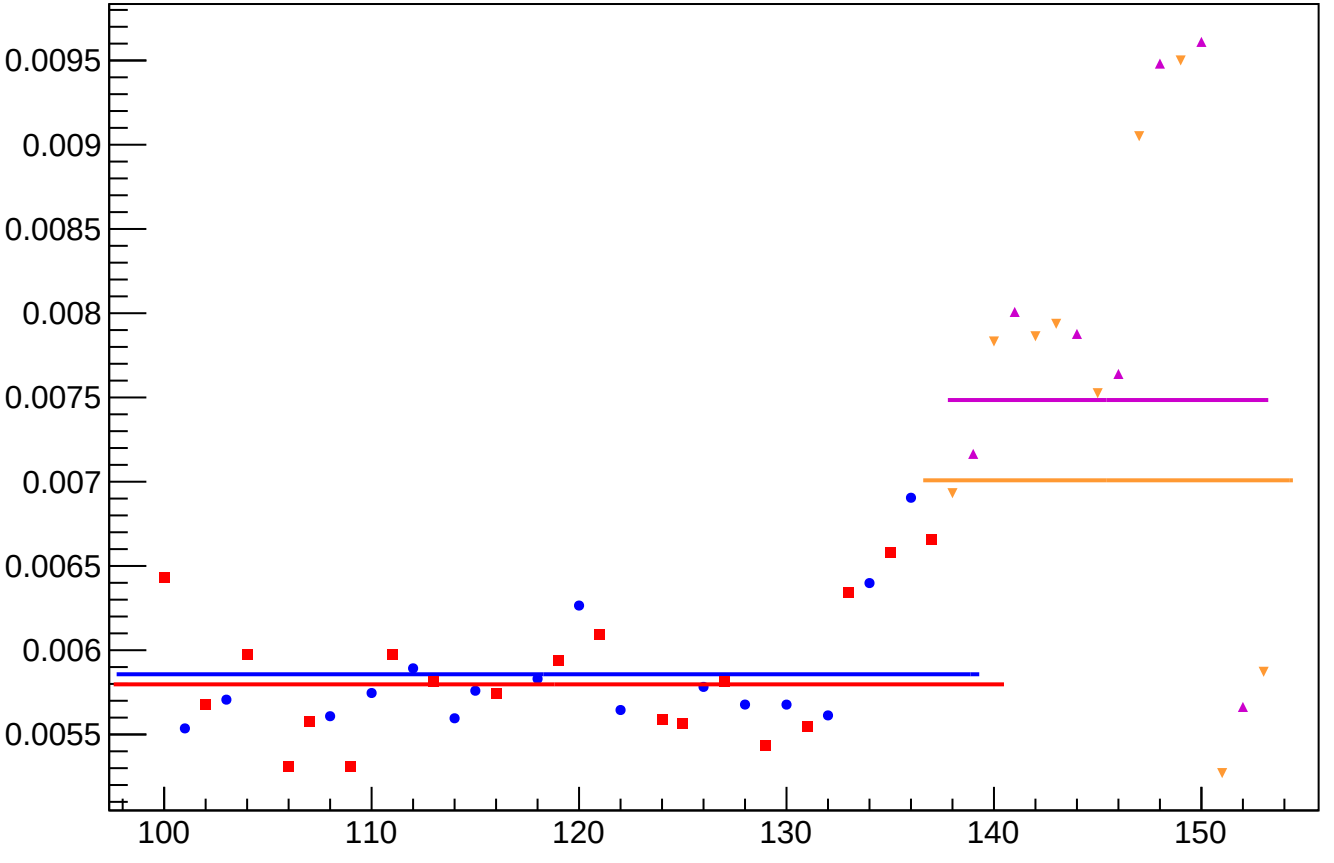
Right: -2.154+/-0.000 χ^2/NDF: 123181980201.2/34

In: -2.096+/-0.000 χ^2/NDF:71901835815.2/22

Out: -2.109+/-0.000 χ^2/NDF:66968444729.0/27

All: -2.103+/-0.000 χ^2/NDF: 138898270612.9

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 61946.9/15

Left Out: 0.007+/-0.000 χ^2/NDF:500300.6/8

Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

Left In: 0.007+/-0.000 χ^2/NDF:356102.4/6

Left: 0.007+/-0.000 χ^2/NDF: 883547.1/15

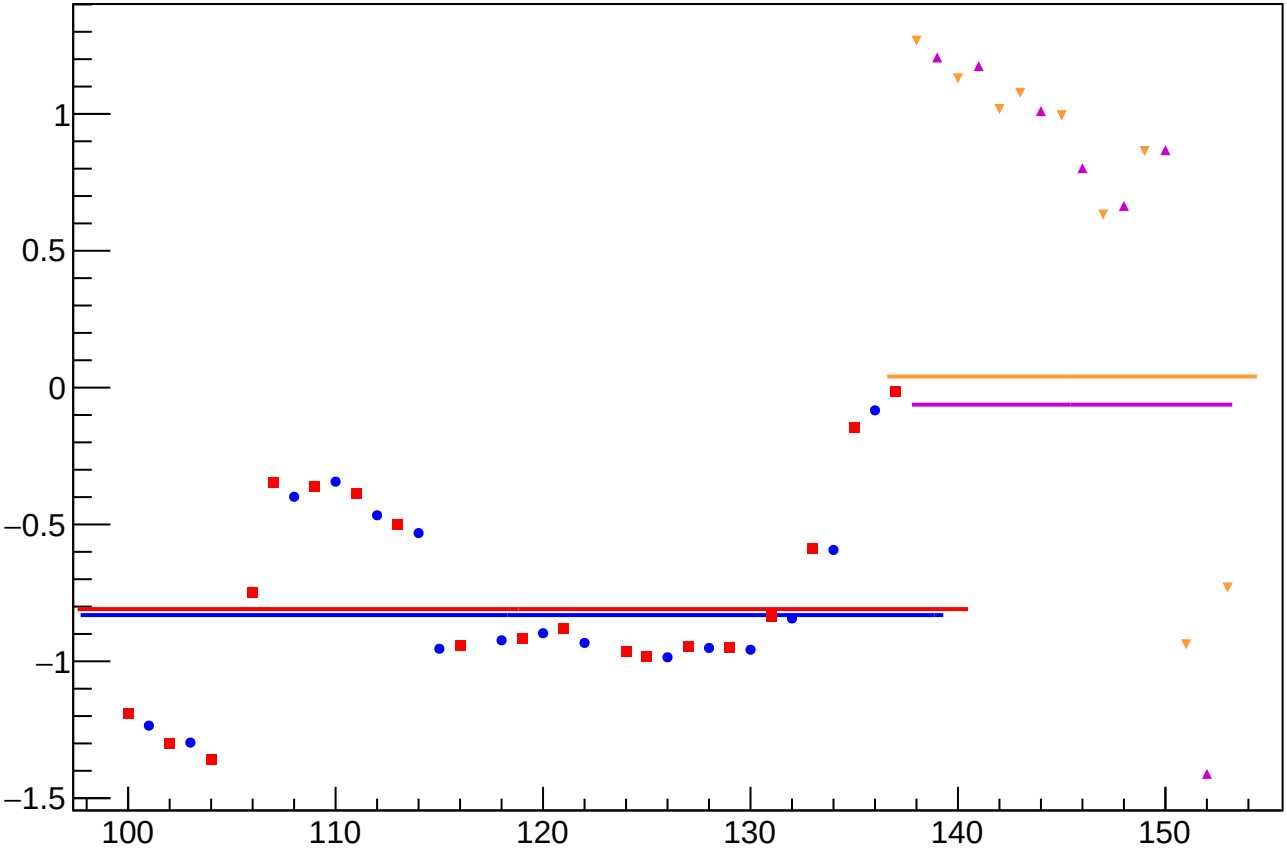
Right: 0.006+/-0.000 χ^2/NDF: 119093.4/34

In: 0.006+/-0.000 χ^2/NDF:790771.7/22

Out: 0.006+/-0.000 χ^2/NDF:805327.1/27

All: 0.006+/-0.000 χ^2/NDF: 1602997.8/50

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: 0.041+/-0.000 χ^2/NDF:58838859410.7/8

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

Left In: -0.062+/-0.000 χ^2/NDF:77235806698.3/6

Left: -0.005+/-0.000 χ^2/NDF: 136394544994.4/15

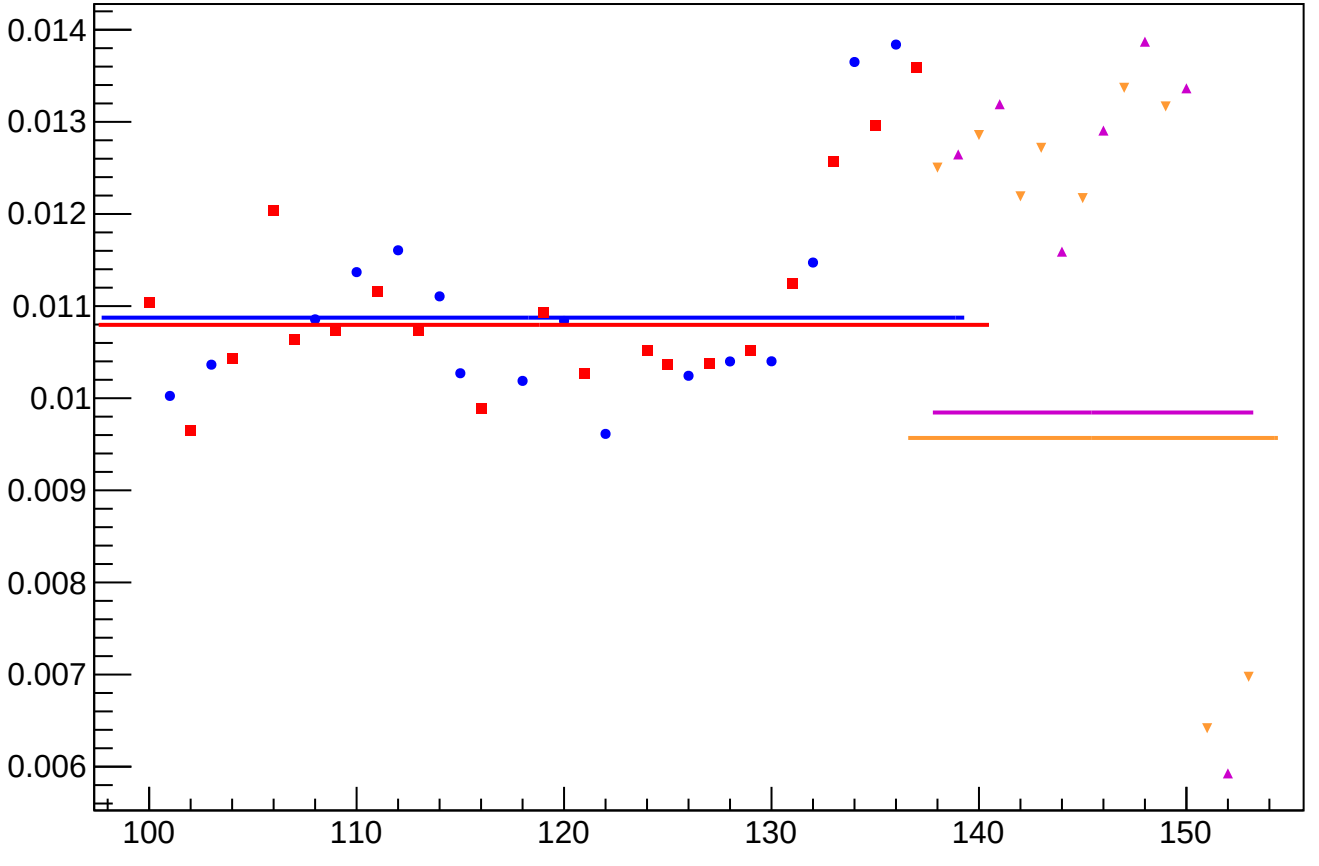
Right: -0.820+/-0.000 χ^2/NDF: 15273298764.6/34

In: -0.462+/-0.000 χ^2/NDF:101223835874.9/22

Out: -0.366+/-0.000 χ^2/NDF:90340807489.4/27

All: -0.411+/-0.000 χ^2/NDF: 192129493154.9

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 157612.7/15

Left Out: 0.010+/-0.000 χ^2/NDF:1249201.9/8

Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.010+/-0.000 χ^2/NDF:1318446.4/6

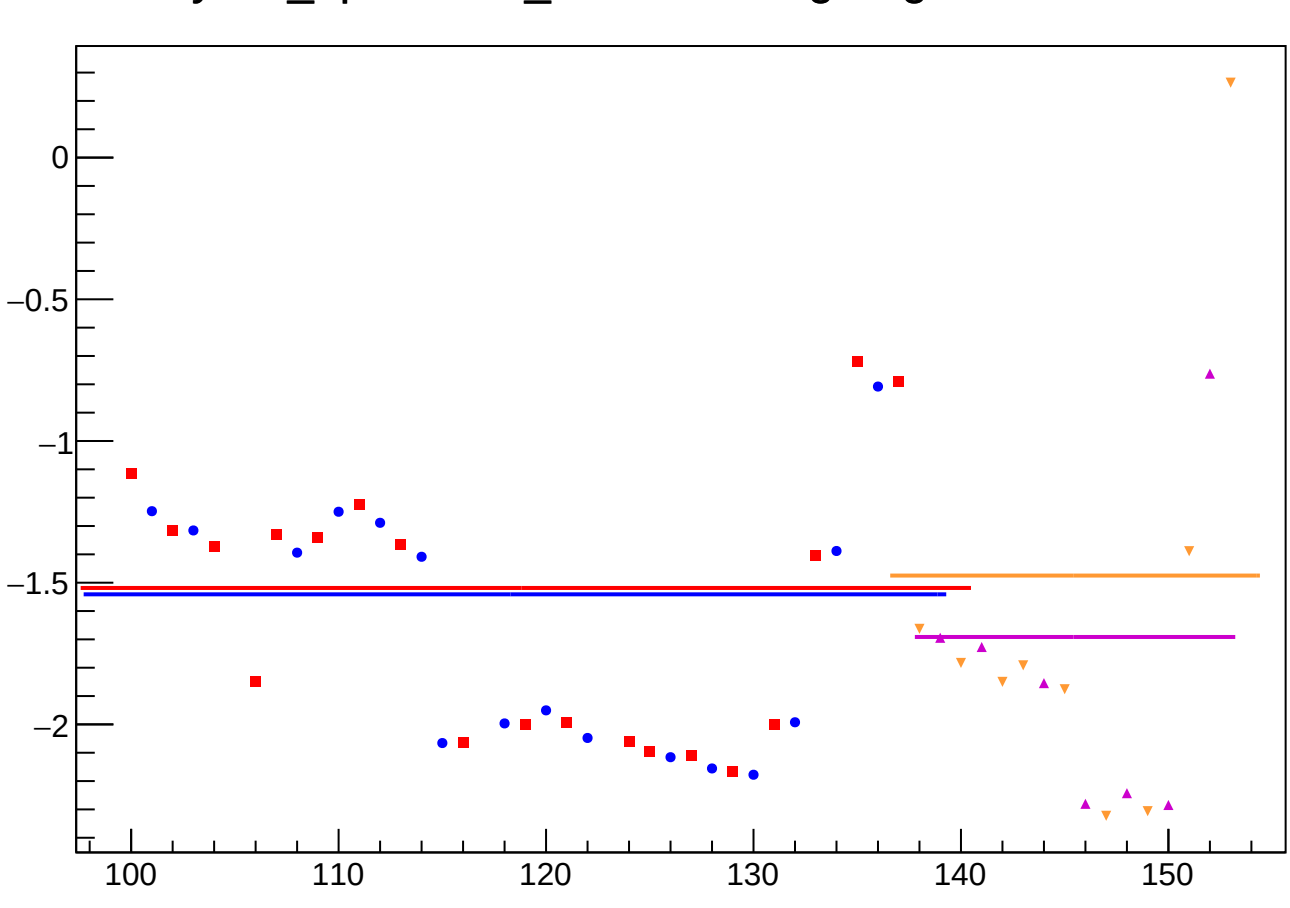
Left: 0.010+/-0.000 χ^2/NDF: 2572269.6/15

Right: 0.011+/-0.000 χ^2/NDF: 257107.2/34

In: 0.010+/-0.000 χ^2/NDF:1536607.1/22

Out: 0.010+/-0.000 χ^2/NDF:1445853.2/27

All: 0.010+/-0.000 χ^2/NDF: 2988600.5/50



Right In: -1.541+/-0.000 χ^2/NDF: 162409397922.2/15

Left Out: -1.475+/-0.000 χ^2/NDF:388588280822.2/8

Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

Left In: -1.692+/-0.000 χ^2/NDF:110053982716.0/6

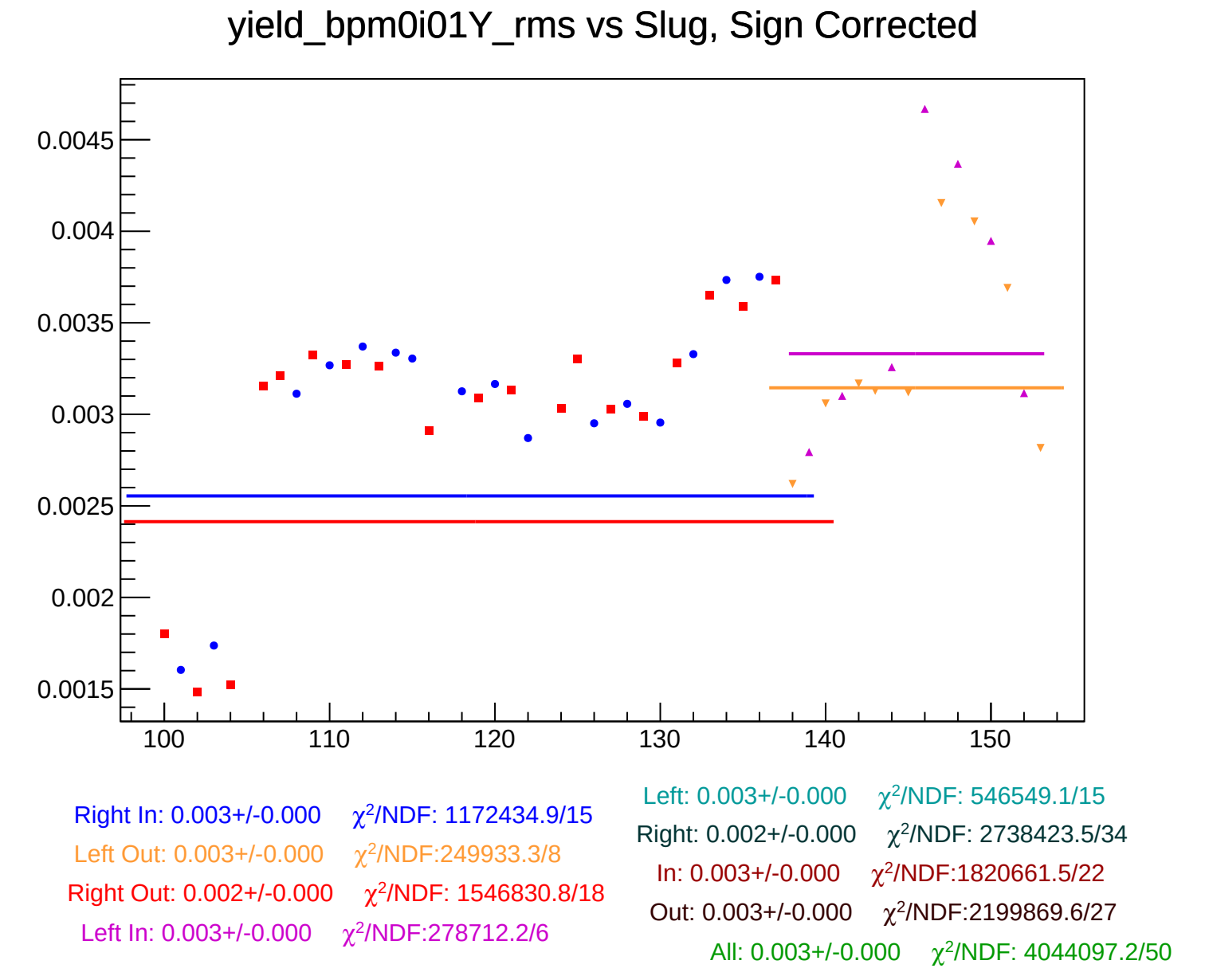
Left: -1.569+/-0.000 χ^2/NDF: 510817359841.0/15

Right: -1.529+/-0.000 χ^2/NDF: 307732116783.0/34

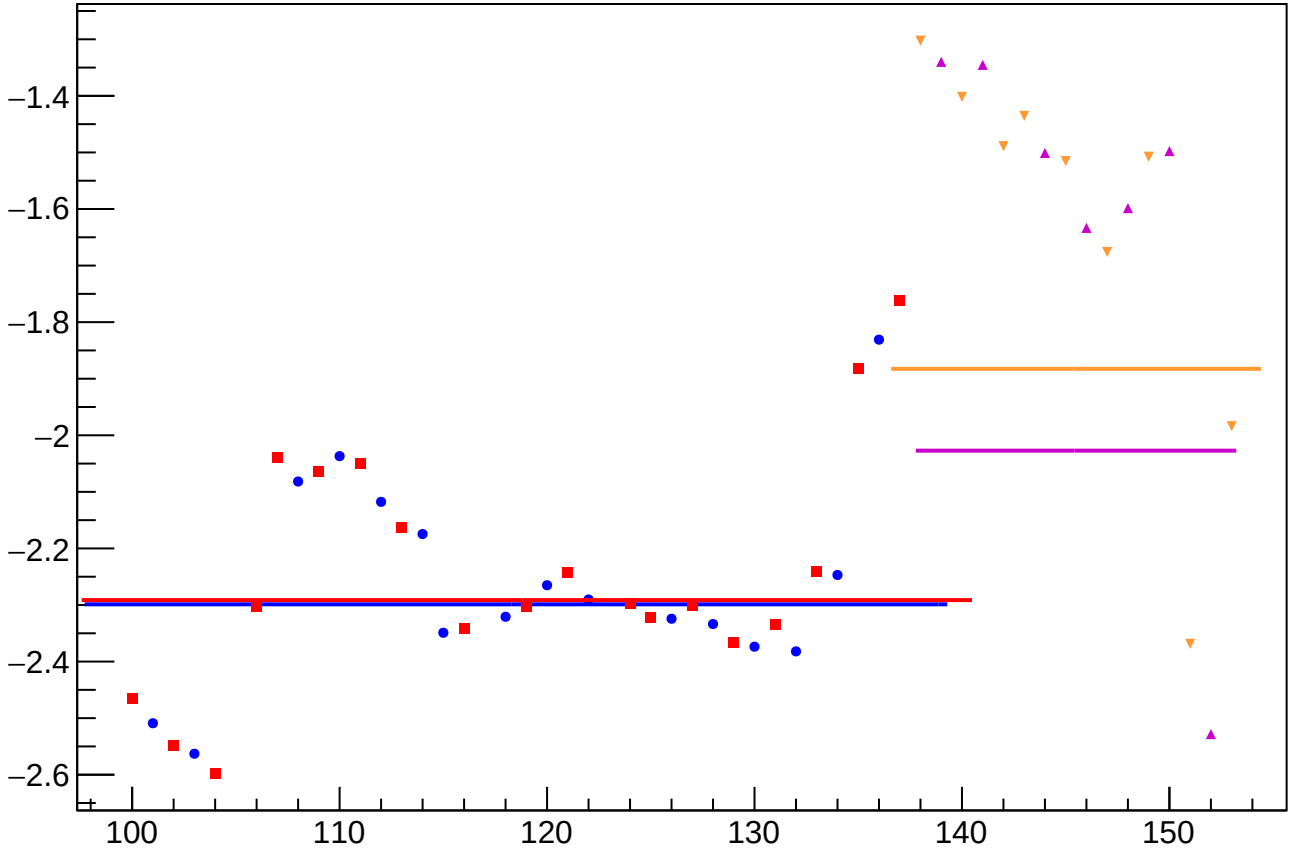
In: -1.591+/-0.000 χ^2/NDF:279400890275.8/22

Out: -1.502+/-0.000 χ^2/NDF:534386373855.2/27

All: -1.543+/-0.000 χ^2/NDF: 819609485062.6


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
Right In: 0.003+/-0.000 χ²/NDF: 1172434.9/15
Left Out: 0.003+/-0.000 χ²/NDF:249933.3/8
Right Out: 0.002+/-0.000 χ²/NDF: 1546830.8/18
Left In: 0.003+/-0.000 χ²/NDF:278712.2/6
Left: 0.003+/-0.000 χ²/NDF: 546549.1/15
Right: 0.002+/-0.000 χ²/NDF: 2738423.5/34
In: 0.003+/-0.000 χ²/NDF:1820661.5/22
Out: 0.003+/-0.000 χ²/NDF:2199869.6/27
All: 0.003+/-0.000 χ²/NDF: 4044097.2/50

yield_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: -2.299+/-0.000 χ^2/NDF: 6129071089.8/15

Left Out: -1.883+/-0.000 χ^2/NDF:23869325442.7/8

Right Out: -2.291+/-0.000 χ^2/NDF: 6831007568.9/18

Left In: -2.027+/-0.000 χ^2/NDF:37287775235.2/6

Left: -1.949+/-0.000 χ^2/NDF: 62674202777.3/15

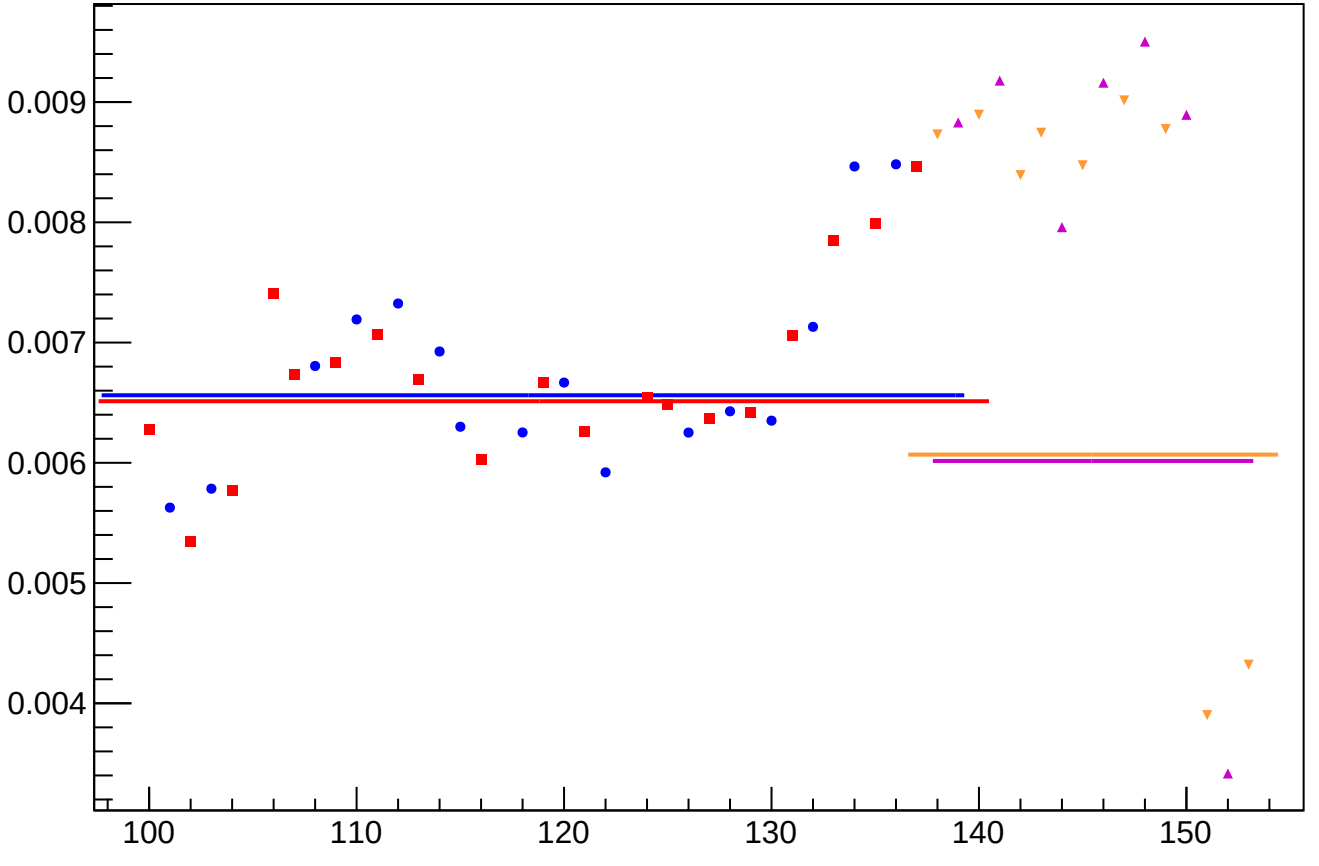
Right: -2.295+/-0.000 χ^2/NDF: 12964639512.9/34

In: -2.176+/-0.000 χ^2/NDF:48796682530.4/22

Out: -2.092+/-0.000 χ^2/NDF:44313293008.6/27

All: -2.132+/-0.000 χ^2/NDF: 94178442097.1/

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 221890.3/15

Left Out: 0.006+/-0.000 χ^2/NDF:1675972.3/8

Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.006+/-0.000 χ^2/NDF:1999632.9/6

Left: 0.006+/-0.000 χ^2/NDF: 3676013.3/15

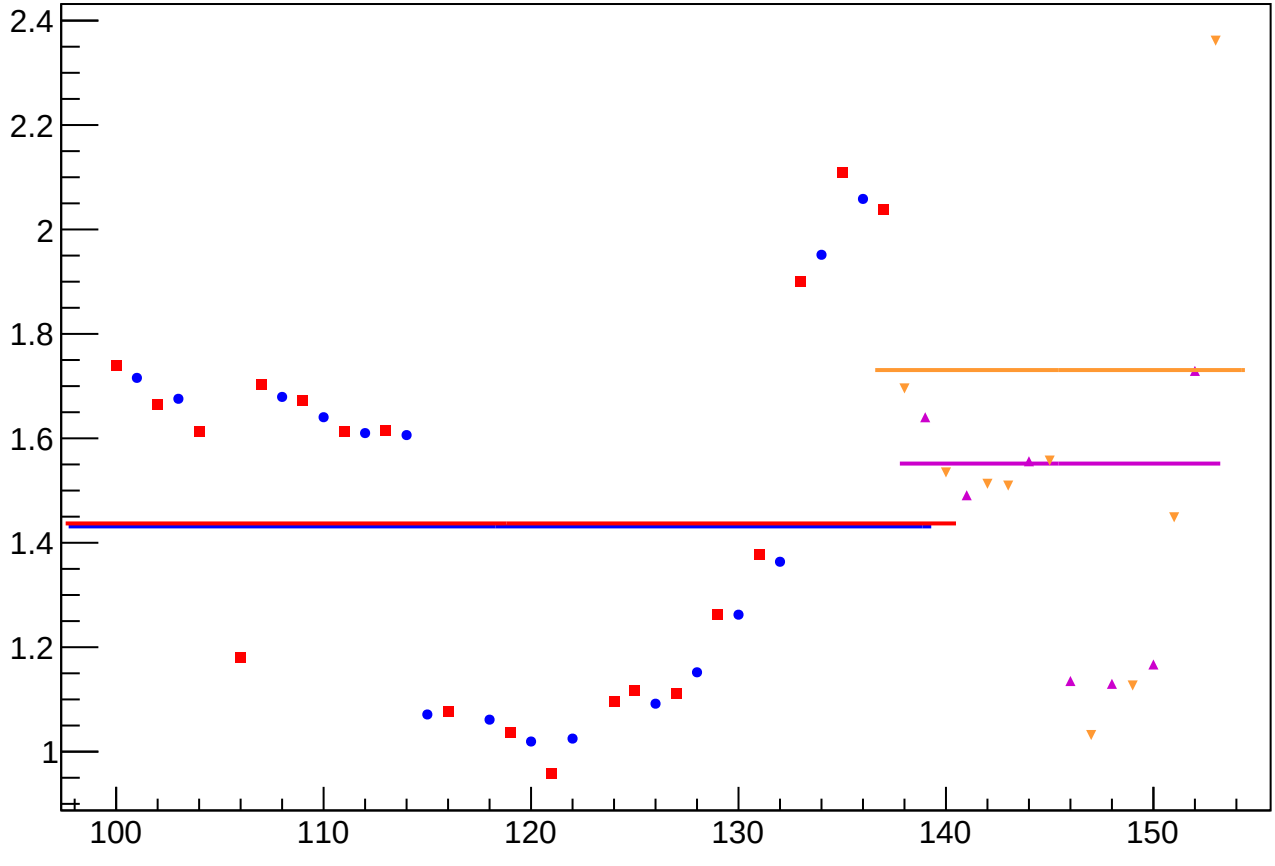
Right: 0.007+/-0.000 χ^2/NDF: 407258.0/34

In: 0.006+/-0.000 χ^2/NDF:2265098.3/22

Out: 0.006+/-0.000 χ^2/NDF:1893014.7/27

All: 0.006+/-0.000 χ^2/NDF: 4158209.5/50

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 1.731+/-0.000 χ^2/NDF:54478615117.0/8

Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

Left In: 1.552+/-0.000 χ^2/NDF:9833522764.1/6

Left: 1.655+/-0.000 χ^2/NDF: 68530779133.6/15

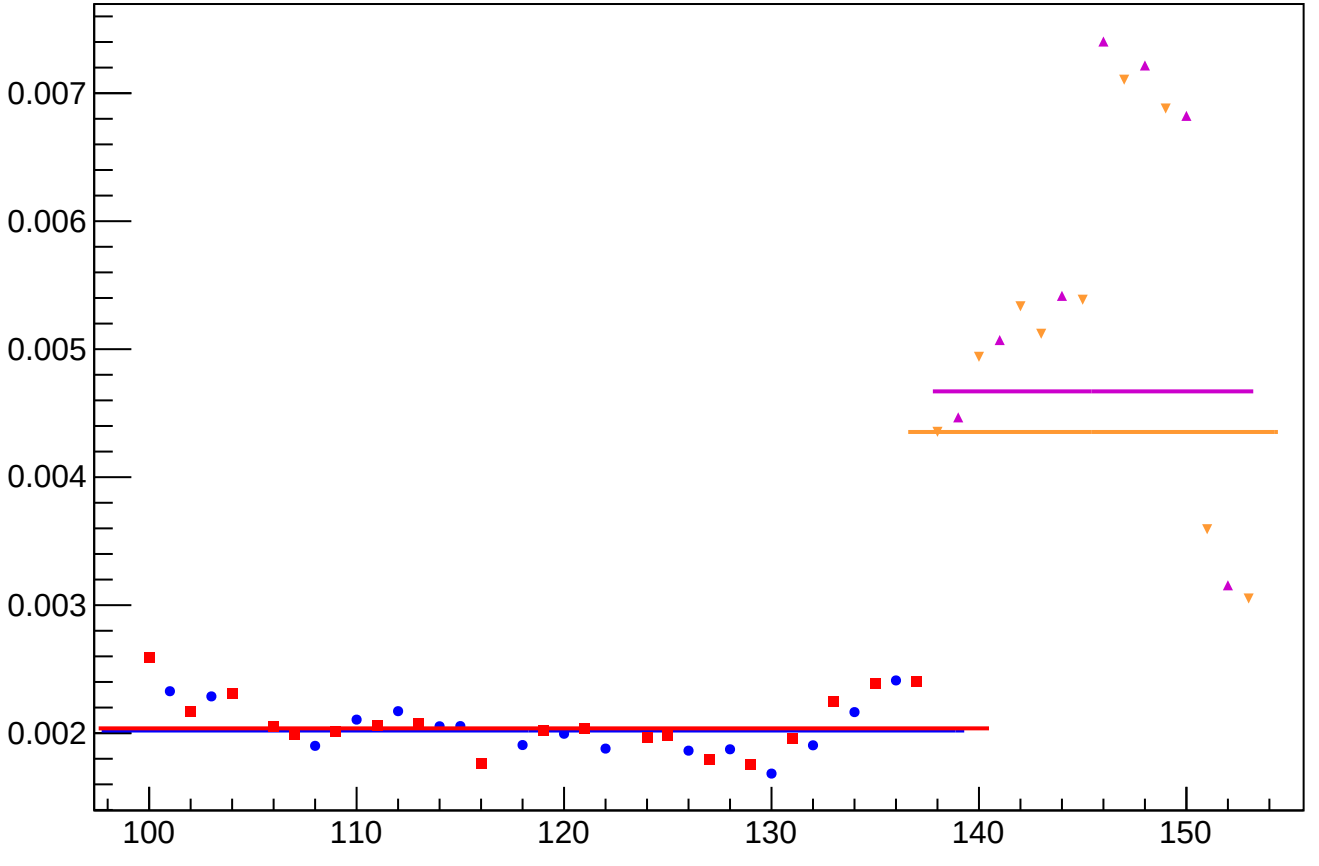
Right: 1.434+/-0.000 χ^2/NDF: 371226177704.8/34

In: 1.446+/-0.000 χ^2/NDF:201917890608.2/22

Out: 1.484+/-0.000 χ^2/NDF:258942019445.5/27

All: 1.465+/-0.000 χ^2/NDF: 462205598077.9

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:869388.2/8

Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.005+/-0.000 χ^2/NDF:923947.9/6

Left: 0.004+/-0.000 χ^2/NDF: 1819804.8/15

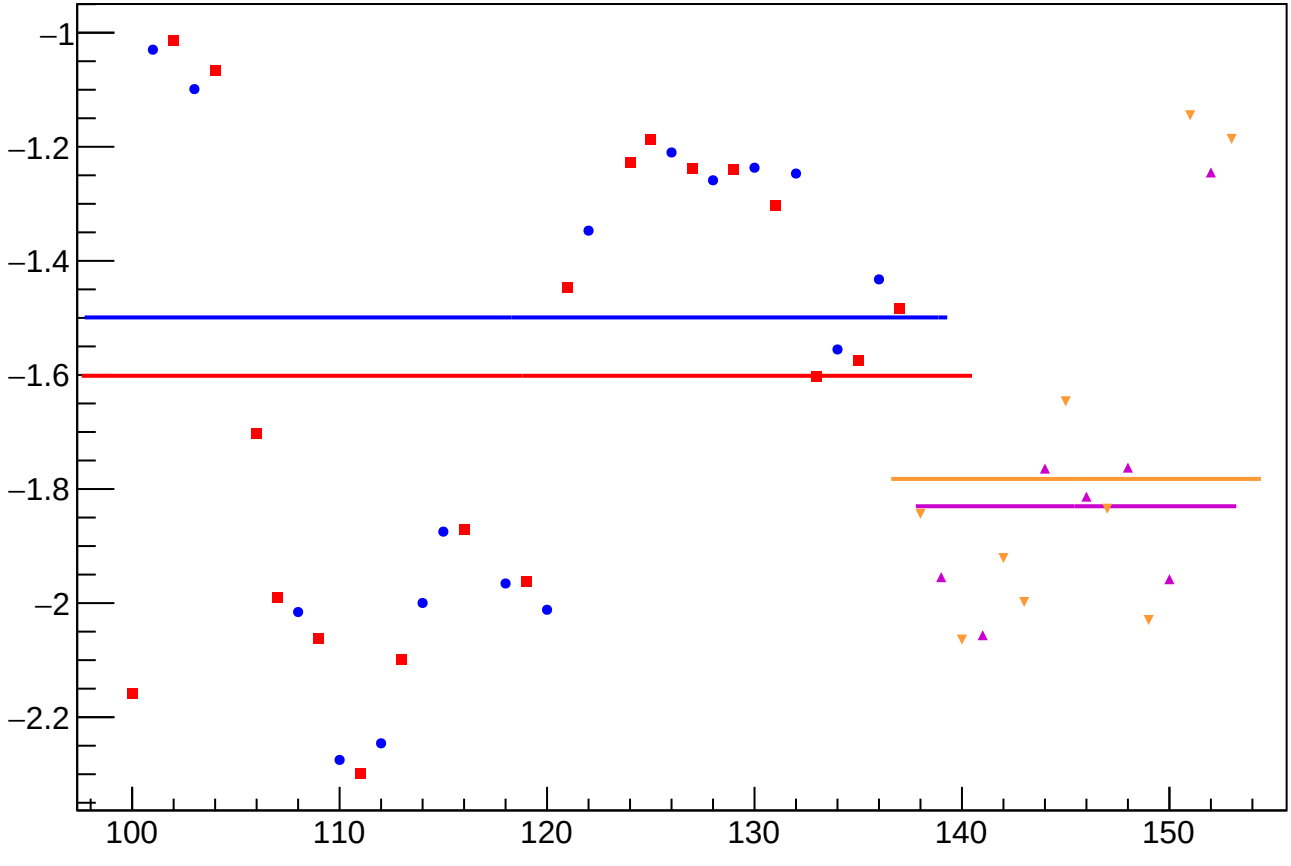
Right: 0.002+/-0.000 χ^2/NDF: 269026.9/34

In: 0.002+/-0.000 χ^2/NDF:3895243.7/22

Out: 0.002+/-0.000 χ^2/NDF:3773018.0/27

All: 0.002+/-0.000 χ^2/NDF: 7674919.8/50

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.499+/-0.000 χ^2/NDF: 22930357522.2/15

Left Out: -1.782+/-0.000 χ^2/NDF:17177207599.9/8

Right Out: -1.601+/-0.000 χ^2/NDF: 28324914147.6/18

Left In: -1.830+/-0.000 χ^2/NDF:7659255610.8/6

Left: -1.804+/-0.000 χ^2/NDF: 25017762969.5/15

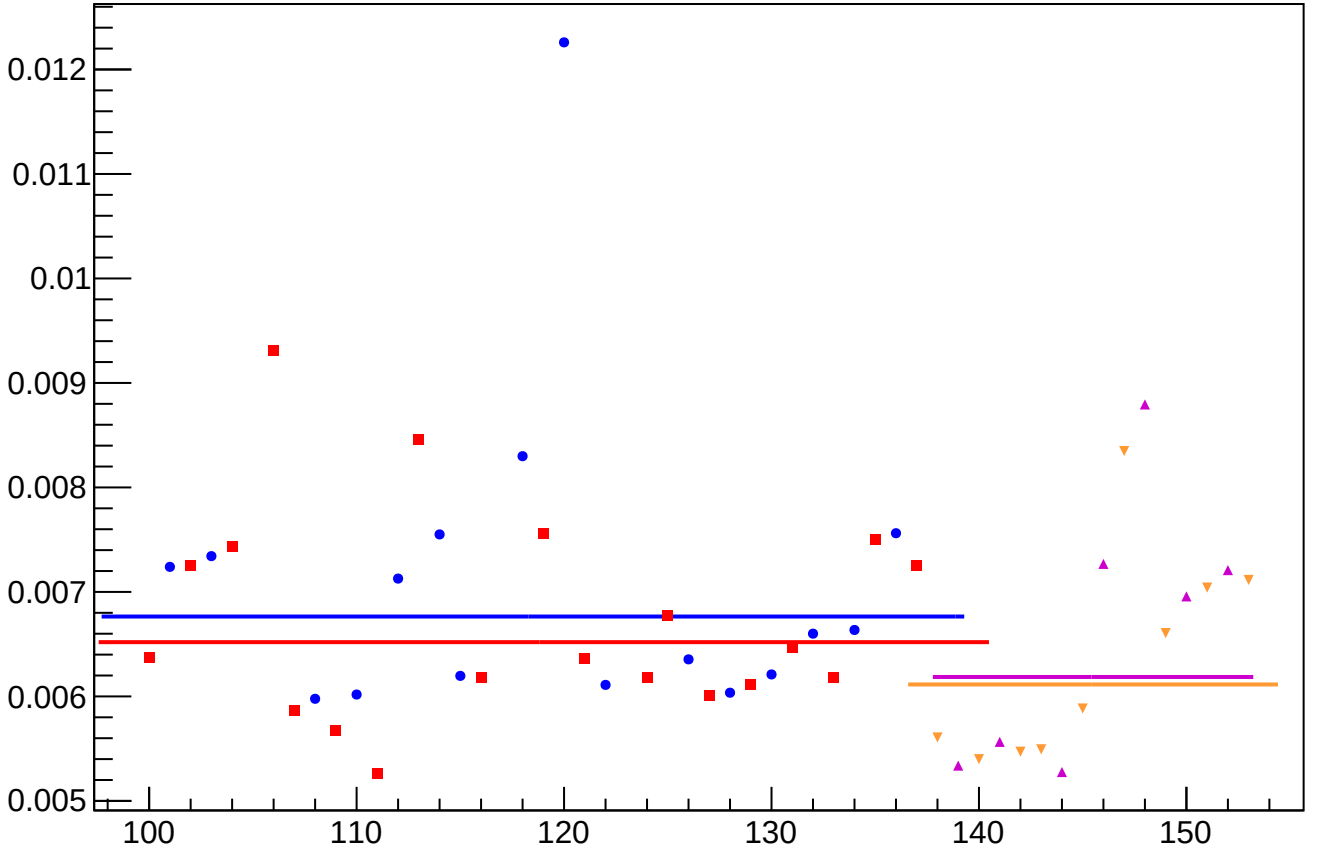
Right: -1.554+/-0.000 χ^2/NDF: 52047267484.5/34

In: -1.666+/-0.000 χ^2/NDF:38439797330.2/22

Out: -1.695+/-0.000 χ^2/NDF:48250927559.7/27

All: -1.682+/-0.000 χ^2/NDF: 86818135864.9/

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 238566.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:248934.6/8

Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.006+/-0.000 χ^2/NDF:332158.3/6

Left: 0.006+/-0.000 χ^2/NDF: 581908.3/15

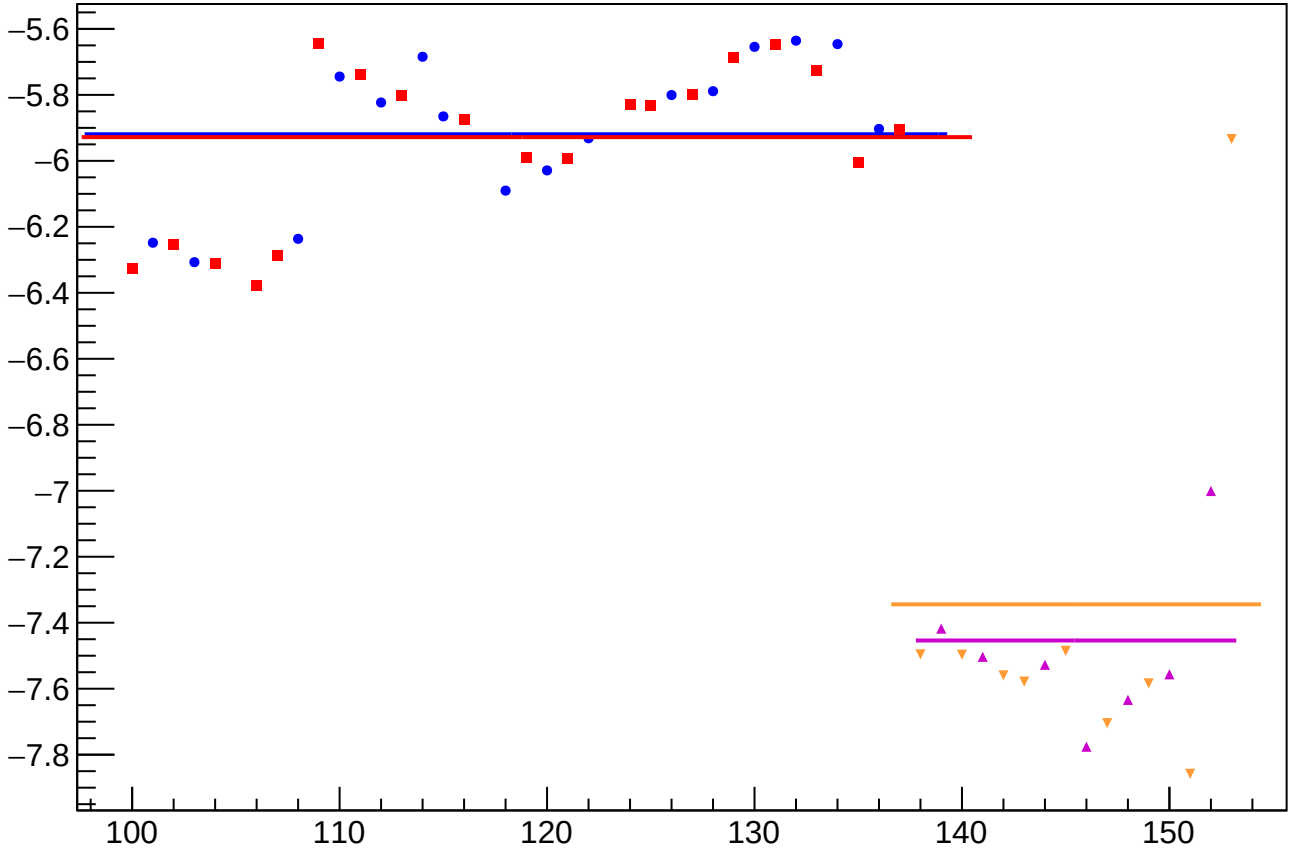
Right: 0.007+/-0.000 χ^2/NDF: 493094.9/34

In: 0.006+/-0.000 χ^2/NDF:618675.0/22

Out: 0.006+/-0.000 χ^2/NDF:521943.1/27

All: 0.006+/-0.000 χ^2/NDF: 1148810.9/50

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -7.344+/-0.000 χ^2/NDF:22126242238.0/8

Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

Left In: -7.454+/-0.000 χ^2/NDF:3053897269.1/6

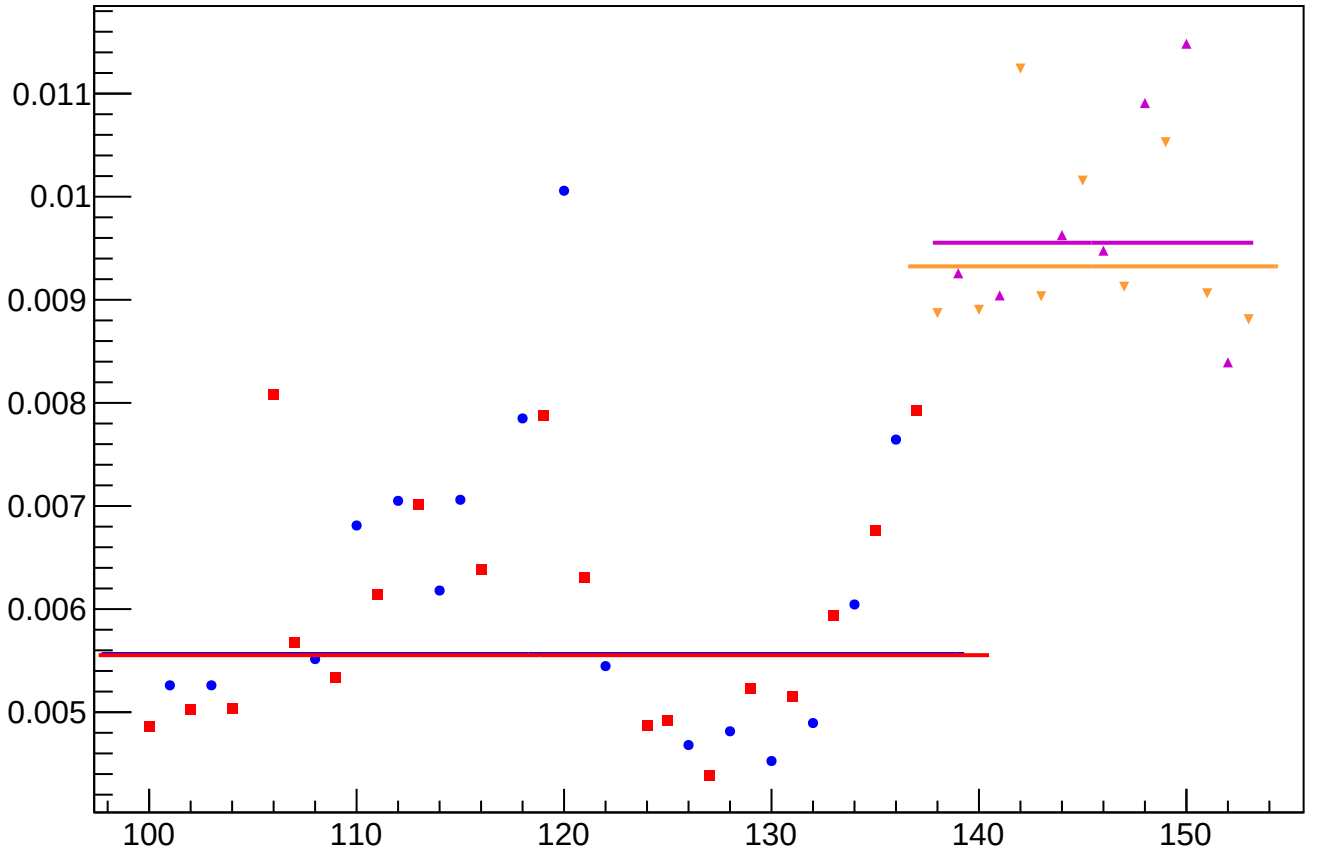
Left: -7.394+/-0.000 χ^2/NDF: 25497534643.3/15

Right: -5.924+/-0.000 χ^2/NDF: 24391751979.3/34

In: -6.222+/-0.000 χ^2/NDF:106938953125.0/22

Out: -6.233+/-0.000 χ^2/NDF:125767263490.3/27

All: -6.228+/-0.000 χ^2/NDF: 232720921130.3



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:54662.2/8

Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.010+/-0.000 χ^2/NDF:89503.9/6

Left: 0.009+/-0.000 χ^2/NDF: 146944.5/15

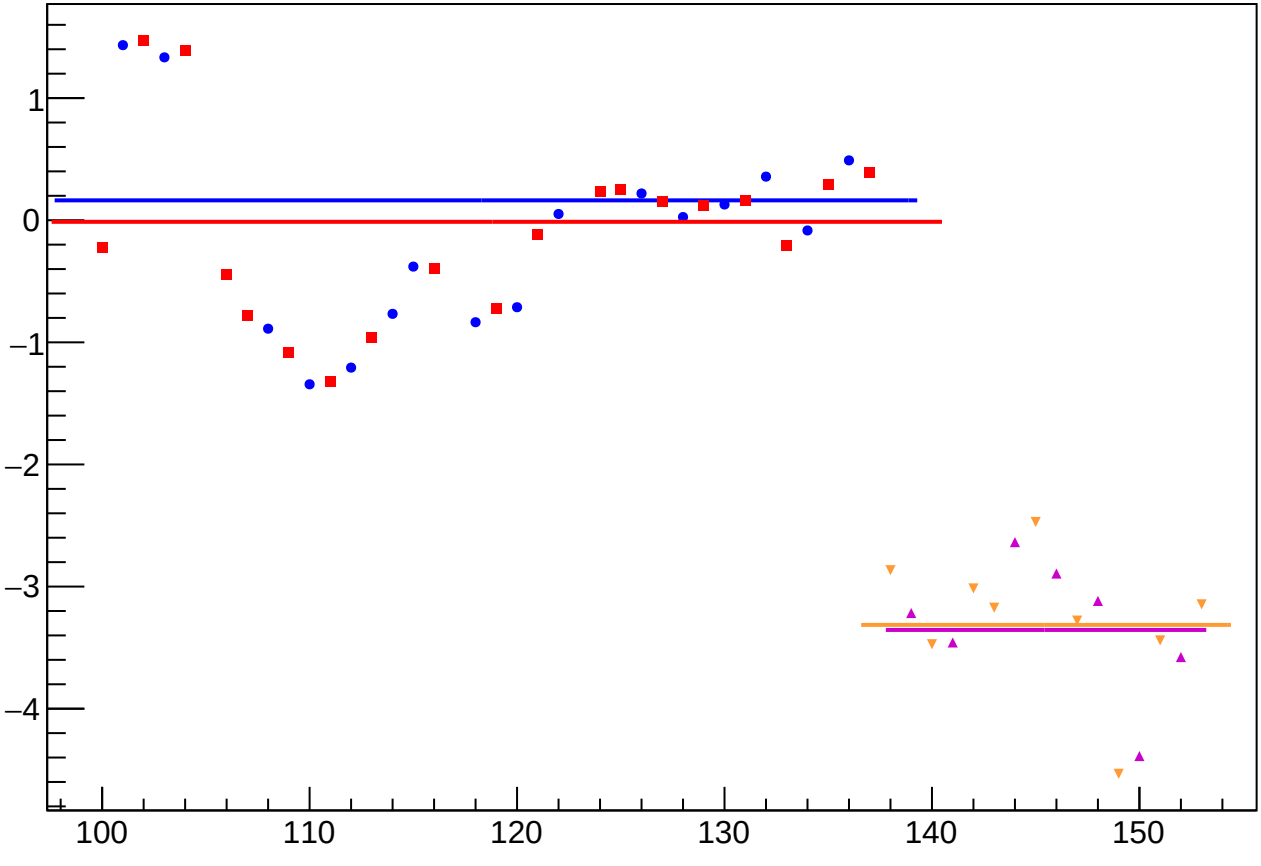
Right: 0.006+/-0.000 χ^2/NDF: 860112.8/34

In: 0.006+/-0.000 χ^2/NDF:1830533.4/22

Out: 0.006+/-0.000 χ^2/NDF:1709699.4/27

All: 0.006+/-0.000 χ^2/NDF: 3540277.9/50

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.314+/-0.000 χ^2/NDF:6277559816.7/8

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

Left In: -3.355+/-0.000 χ^2/NDF:4673989020.9/6

Left: -3.332+/-0.000 χ^2/NDF: 10966661330.4/15

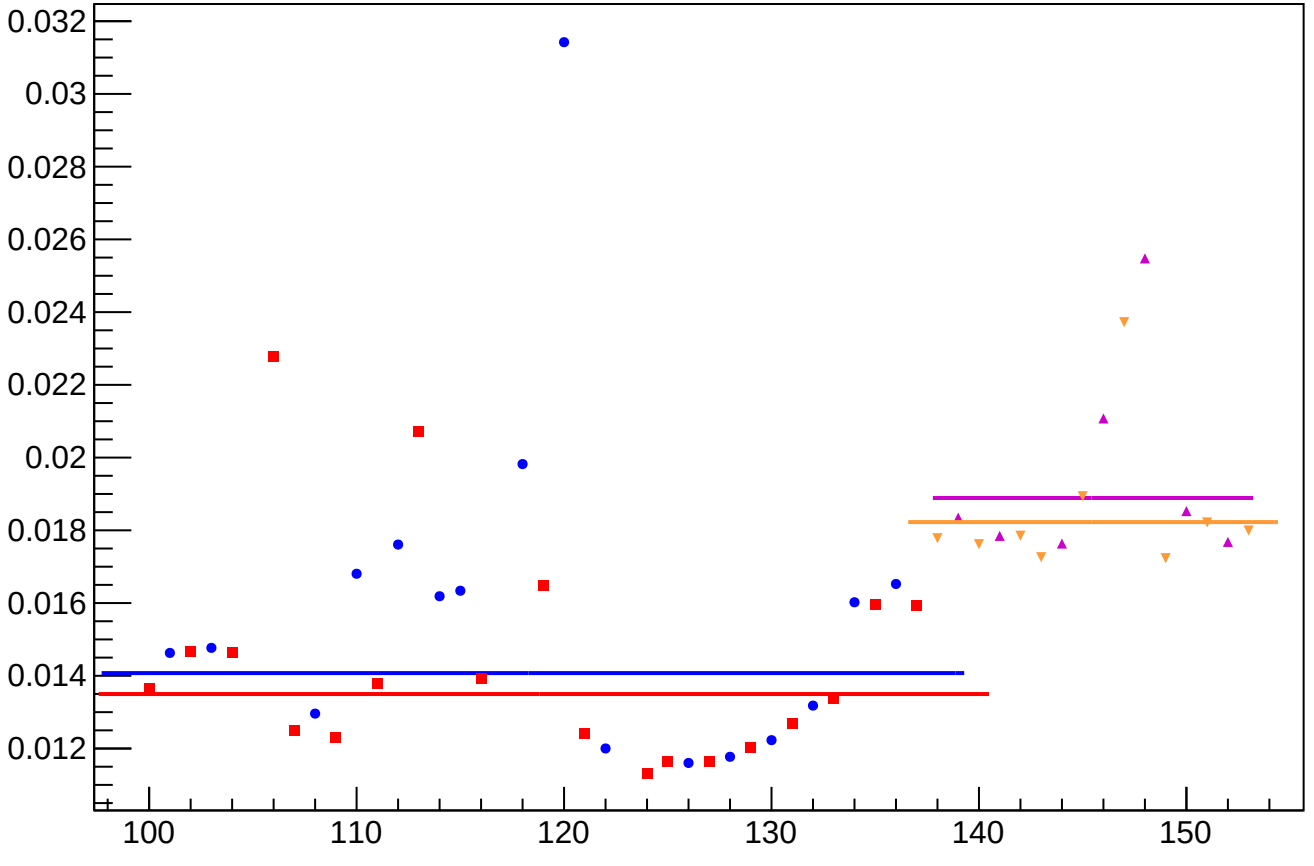
Right: 0.068+/-0.000 χ^2/NDF: 40953433371.5/34

In: -1.003+/-0.000 χ^2/NDF:153148677668.8/22

Out: -1.154+/-0.000 χ^2/NDF:168848666532.3/27

All: -1.085+/-0.000 χ^2/NDF: 322592467066.4

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 465421.6/15

Left Out: 0.018+/-0.000 χ^2/NDF:95990.6/8

Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

Left In: 0.019+/-0.000 χ^2/NDF:141467.1/6

Left: 0.019+/-0.000 χ^2/NDF: 245137.0/15

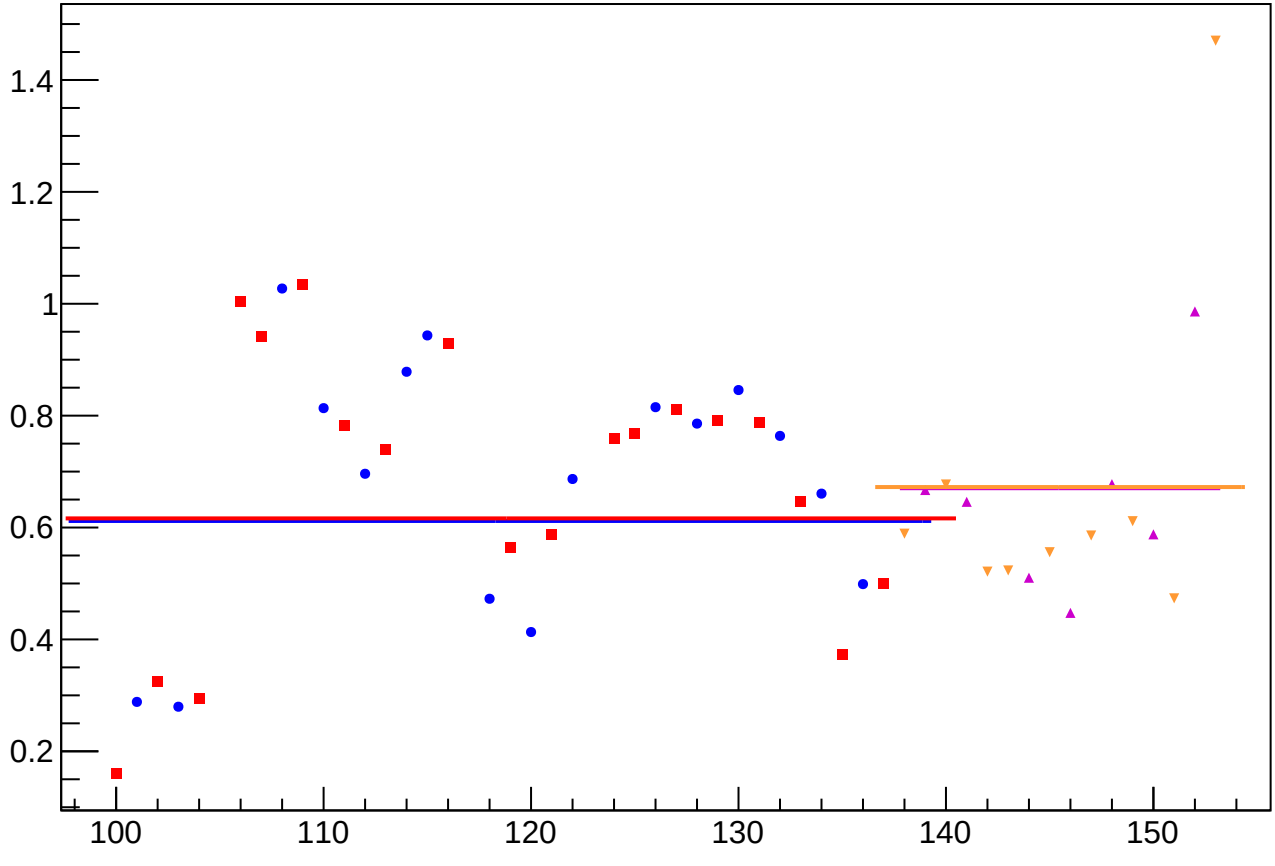
Right: 0.014+/-0.000 χ^2/NDF: 791602.0/34

In: 0.016+/-0.000 χ^2/NDF:1095991.0/22

Out: 0.015+/-0.000 χ^2/NDF:985799.9/27

All: 0.015+/-0.000 χ^2/NDF: 2096671.9/50

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 0.672+/-0.000 χ^2/NDF:6590691051.9/8

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

Left In: 0.670+/-0.000 χ^2/NDF:2261558204.6/6

Left: 0.671+/-0.000 χ^2/NDF: 8852413125.8/15

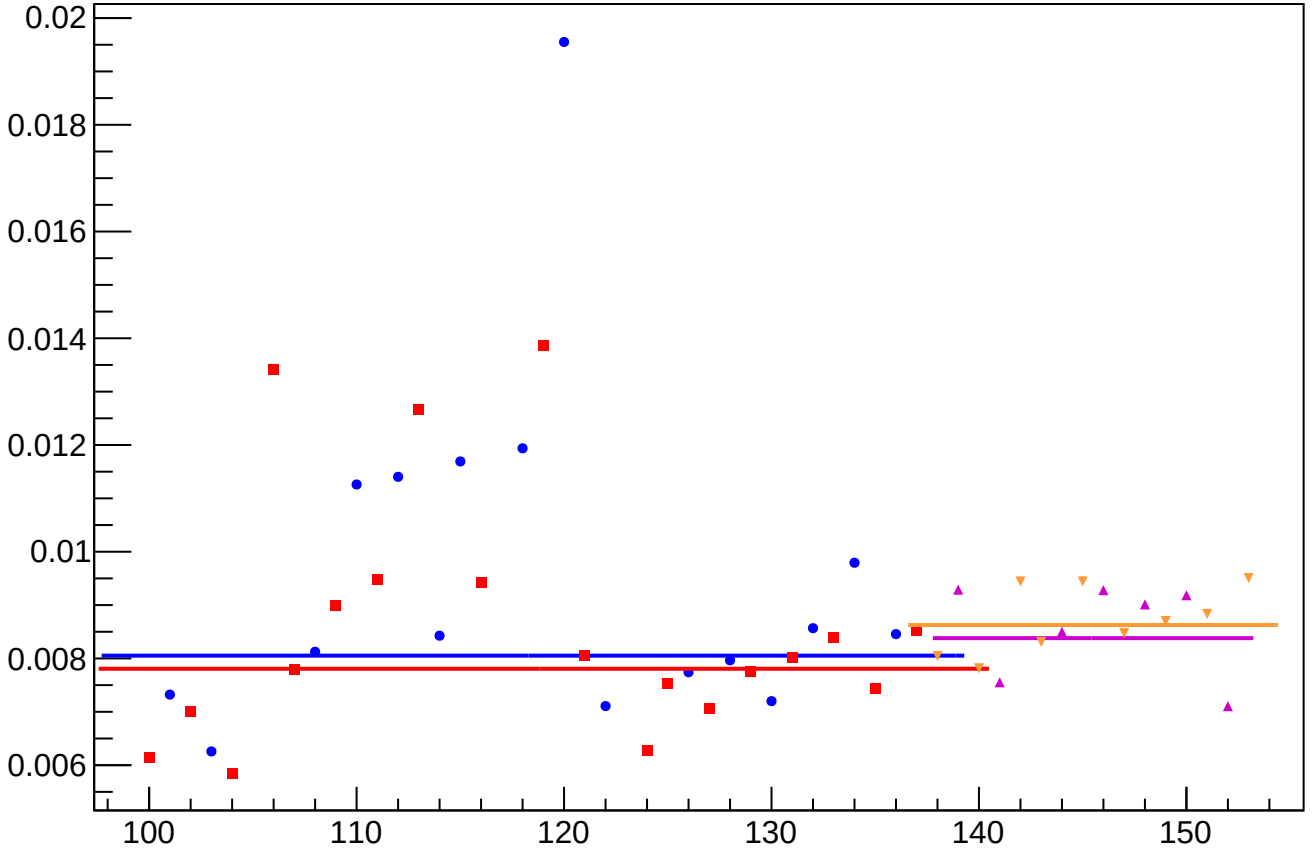
Right: 0.614+/-0.000 χ^2/NDF: 12059563453.6/34

In: 0.638+/-0.000 χ^2/NDF:8043905407.8/22

Out: 0.641+/-0.000 χ^2/NDF:13153955845.5/27

All: 0.639+/-0.000 χ^2/NDF: 21198679630.5/5

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 598309.5/15

Left Out: 0.009+/-0.000 χ^2/NDF:54890.0/8

Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.008+/-0.000 χ^2/NDF:115003.4/6

Left: 0.009+/-0.000 χ^2/NDF: 174623.0/15

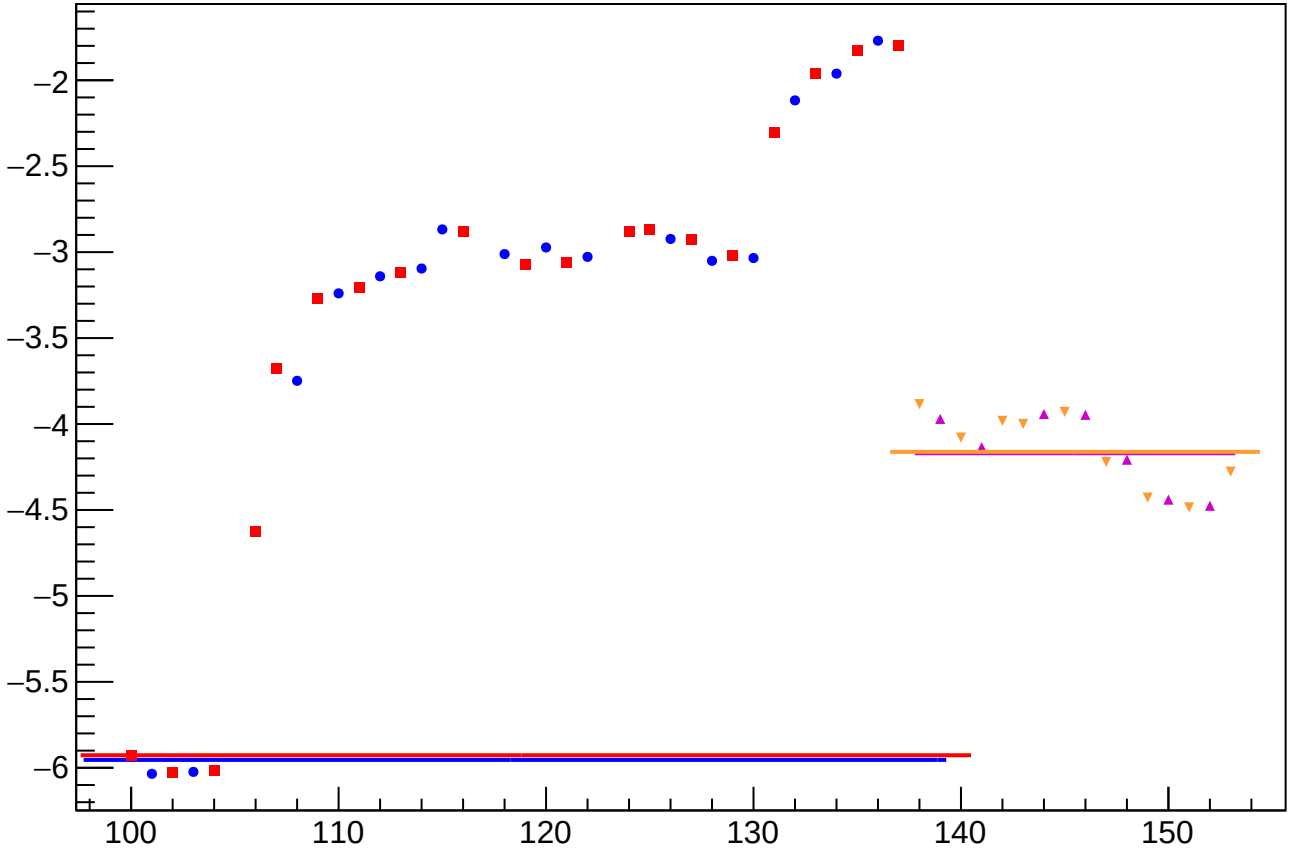
Right: 0.008+/-0.000 χ^2/NDF: 1191469.8/34

In: 0.008+/-0.000 χ^2/NDF:722332.0/22

Out: 0.008+/-0.000 χ^2/NDF:703670.7/27

All: 0.008+/-0.000 χ^2/NDF: 1426206.2/50

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -4.162+/-0.000 χ^2/NDF:50253227.4/8

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

Left In: -4.170+/-0.000 χ^2/NDF:35361879.8/6

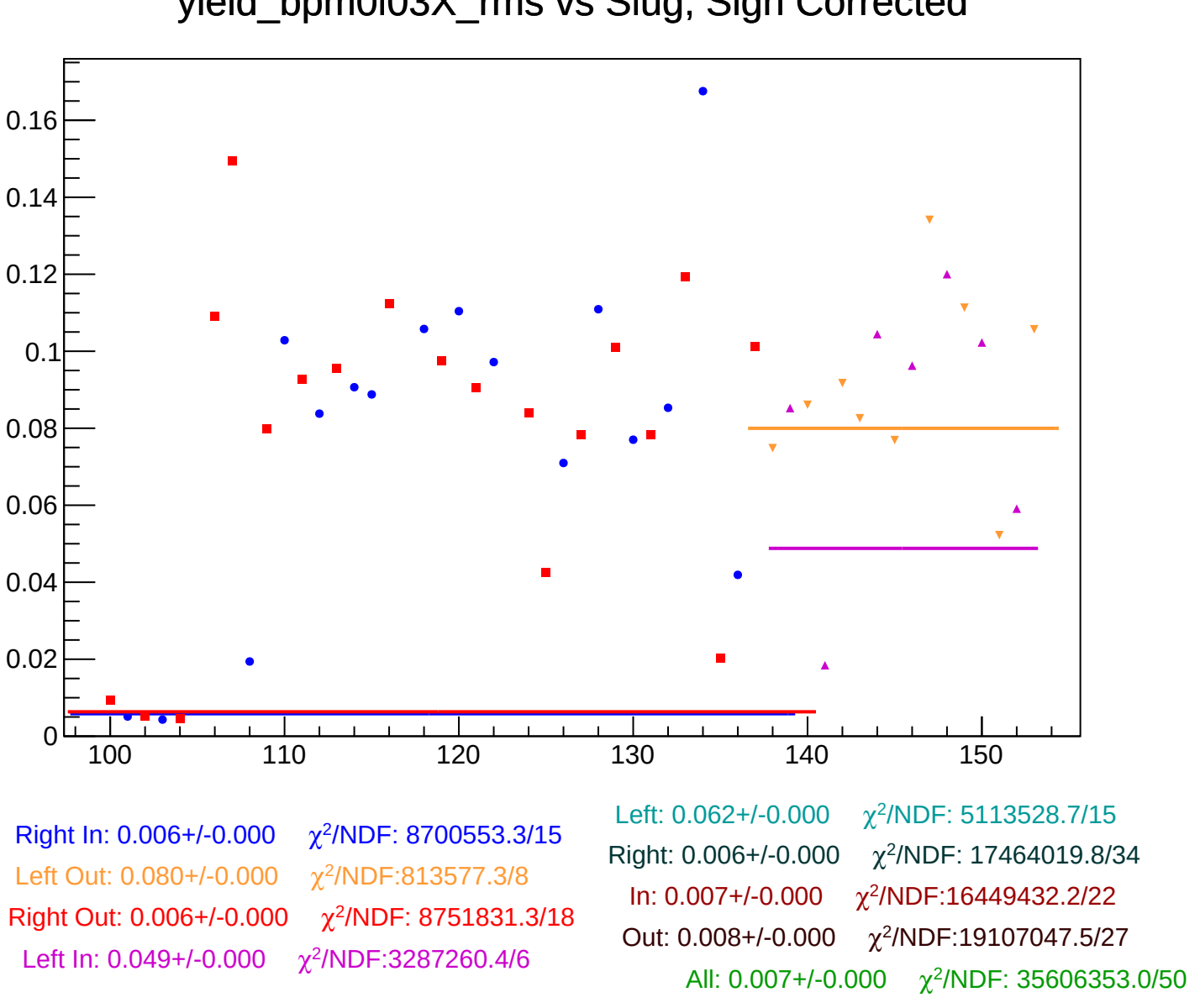
Left: -4.167+/-0.000 χ^2/NDF: 85650826.9/15

Right: -5.942+/-0.000 χ^2/NDF: 27039435928.9/34

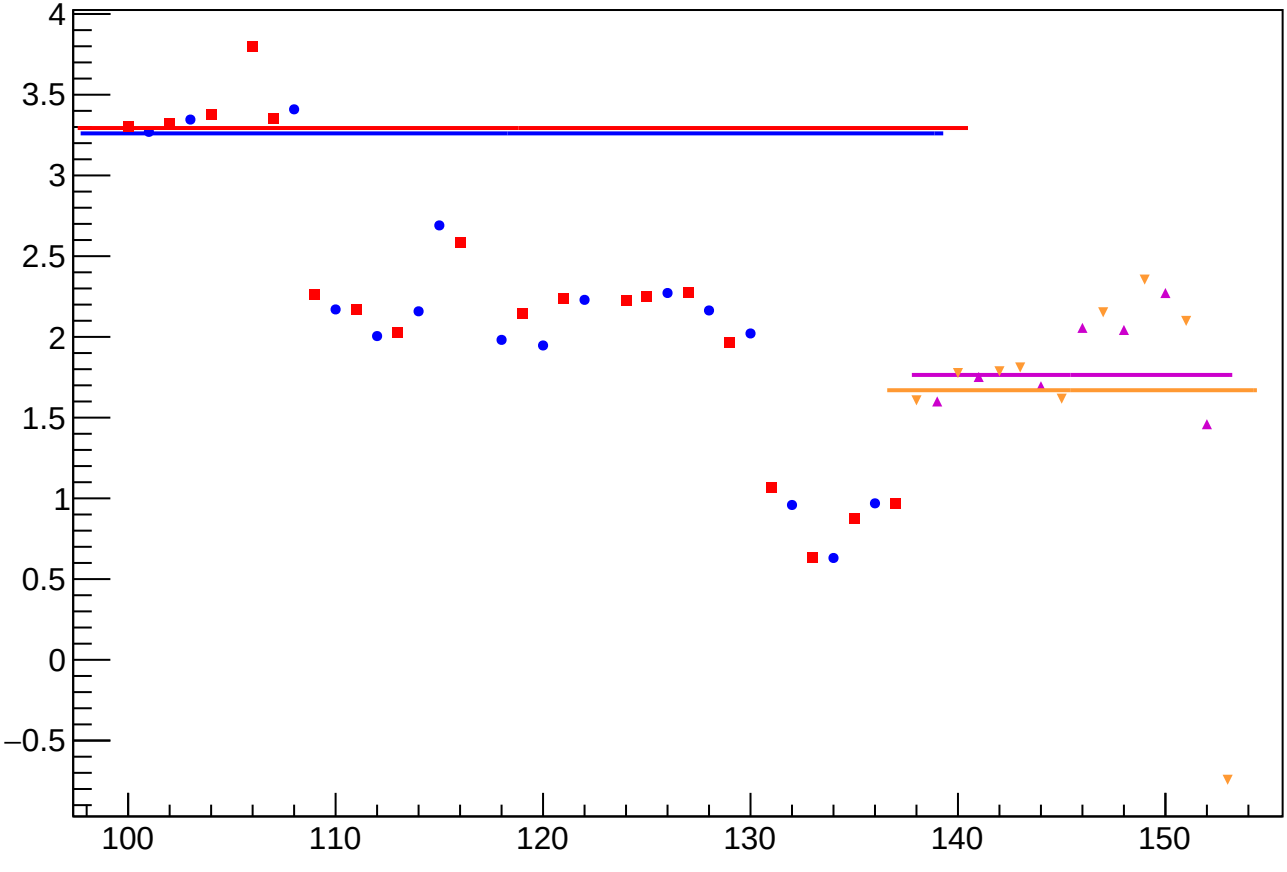
In: -5.912+/-0.000 χ^2/NDF:16982824695.3/22

Out: -5.890+/-0.000 χ^2/NDF:16714103983.1/27

All: -5.902+/-0.000 χ^2/NDF: 33708468034.7/


yield_bpm0l03X_rms vs Slug, Sign Corrected
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
Right In: 0.006+/-0.000 χ²/NDF: 8700553.3/15
Left Out: 0.080+/-0.000 χ²/NDF:813577.3/8
Right Out: 0.006+/-0.000 χ²/NDF: 8751831.3/18
Left In: 0.049+/-0.000 χ²/NDF:3287260.4/6
Left: 0.062+/-0.000 χ²/NDF: 5113528.7/15
Right: 0.006+/-0.000 χ²/NDF: 17464019.8/34
In: 0.007+/-0.000 χ²/NDF:16449432.2/22
Out: 0.008+/-0.000 χ²/NDF:19107047.5/27
All: 0.007+/-0.000 χ²/NDF: 35606353.0/50

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 1.670+/-0.000 χ^2/NDF:437992523.2/8

Right Out: 3.294+/-0.000 χ^2/NDF: 3243748149.8/18

Left In: 1.764+/-0.000 χ^2/NDF:43395060.9/6

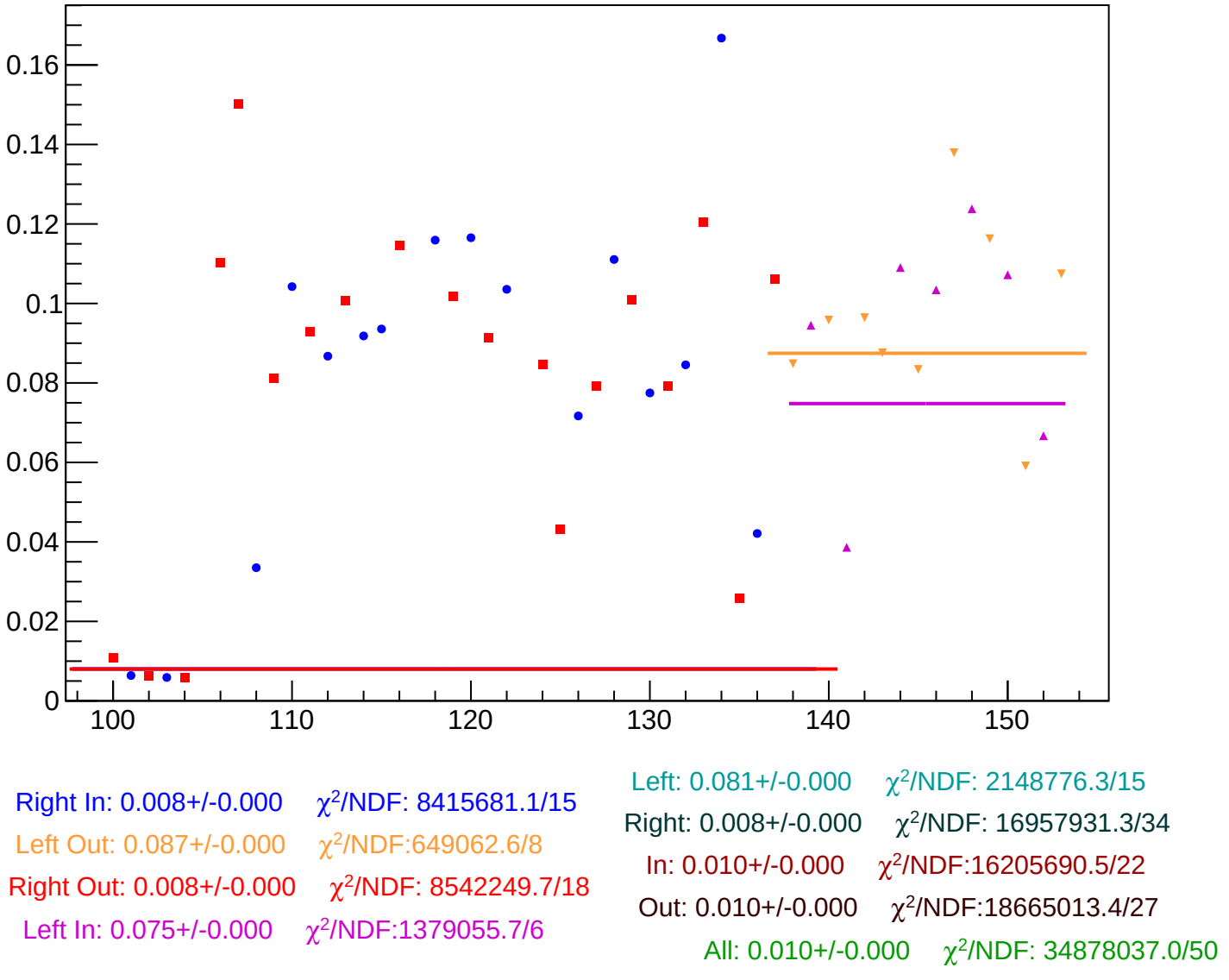
Left: 1.716+/-0.000 χ^2/NDF: 484764662.2/15

Right: 3.277+/-0.000 χ^2/NDF: 6269939296.1/34

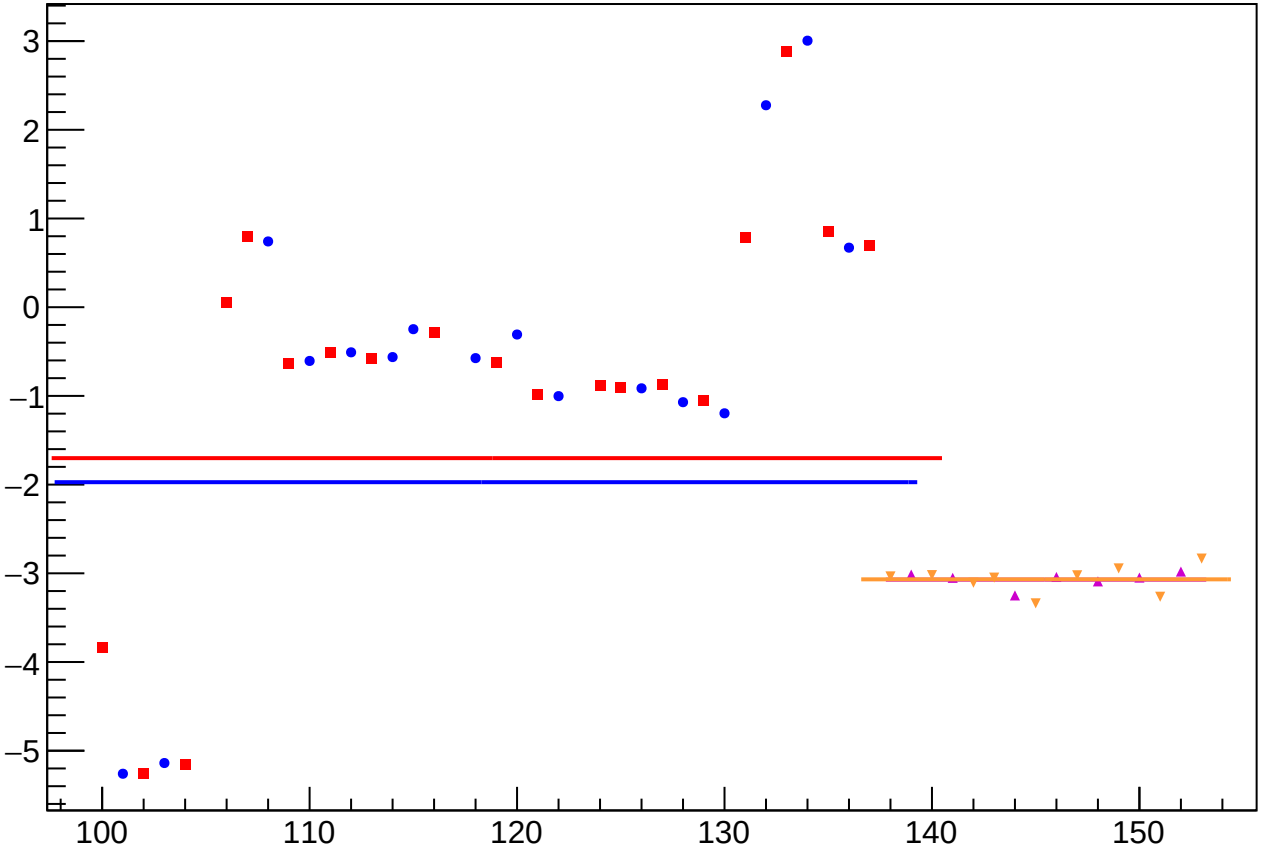
In: 3.226+/-0.000 χ^2/NDF:4661688145.4/22

Out: 3.252+/-0.000 χ^2/NDF:5660902890.8/27

All: 3.239+/-0.000 χ^2/NDF: 10333157210.1/5


yield_bpm0l03Y_rms vs Slug, Sign Corrected
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
Right In: 0.008+/-0.000 χ²/NDF: 8415681.1/15
Left Out: 0.087+/-0.000 χ²/NDF:649062.6/8
Right Out: 0.008+/-0.000 χ²/NDF: 8542249.7/18
Left In: 0.075+/-0.000 χ²/NDF:1379055.7/6
Left: 0.081+/-0.000 χ²/NDF: 2148776.3/15
Right: 0.008+/-0.000 χ²/NDF: 16957931.3/34
In: 0.010+/-0.000 χ²/NDF:16205690.5/22
Out: 0.010+/-0.000 χ²/NDF:18665013.4/27
All: 0.010+/-0.000 χ²/NDF: 34878037.0/50

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -3.068+/-0.000 χ^2/NDF:2272516323.6/8

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

Left In: -3.072+/-0.000 χ^2/NDF:643434726.4/6

Left: -3.070+/-0.000 χ^2/NDF: 2916574382.6/15

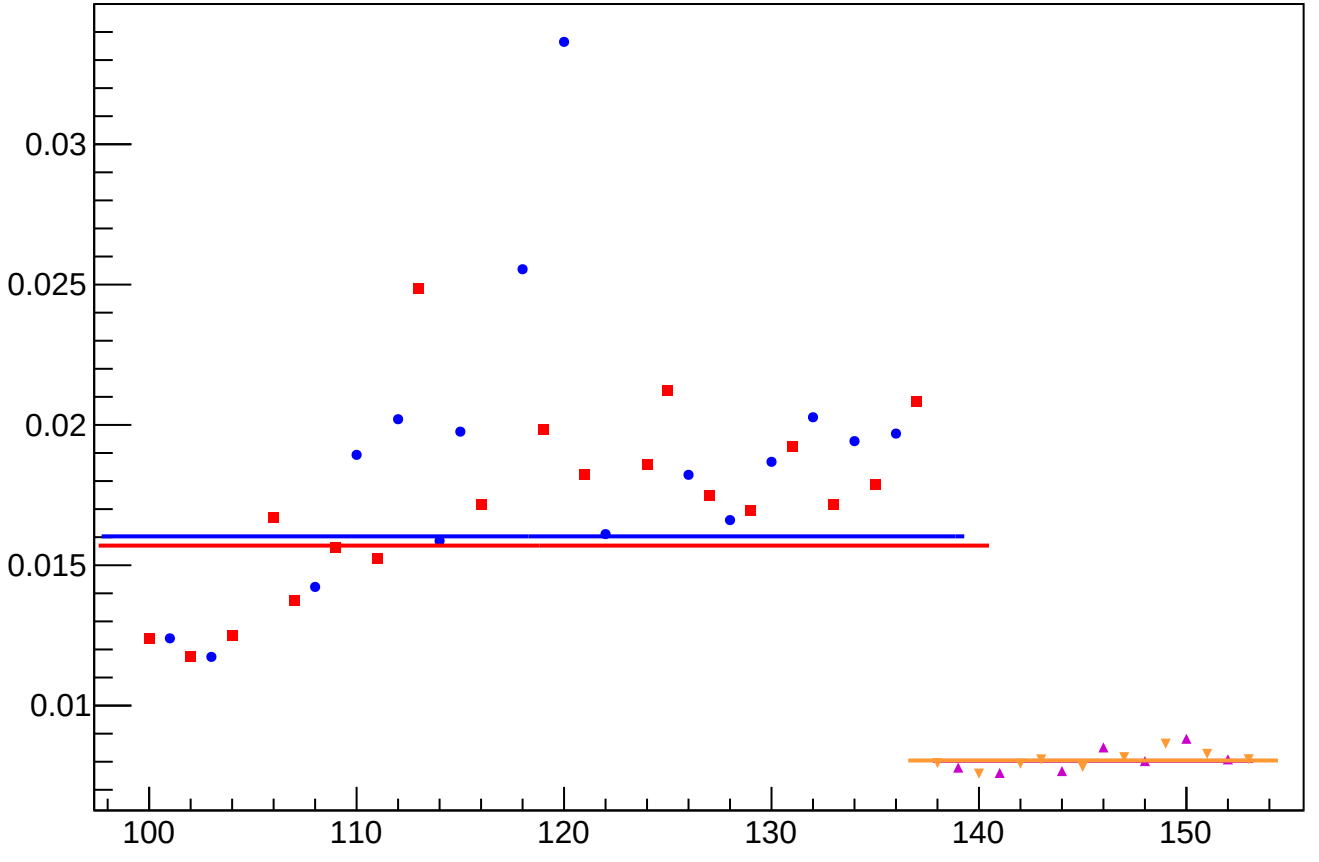
Right: -1.828+/-0.000 χ^2/NDF: 331019535290.3/34

In: -2.852+/-0.000 χ^2/NDF:184514973331.4/22

Out: -2.795+/-0.000 χ^2/NDF:209020393699.5/27

All: -2.822+/-0.000 χ^2/NDF: 393733847725.4

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 735736.8/15

Left Out: 0.008+/-0.000 χ^2/NDF:17342.0/8

Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:30212.2/6

Left: 0.008+/-0.000 χ^2/NDF: 47574.8/15

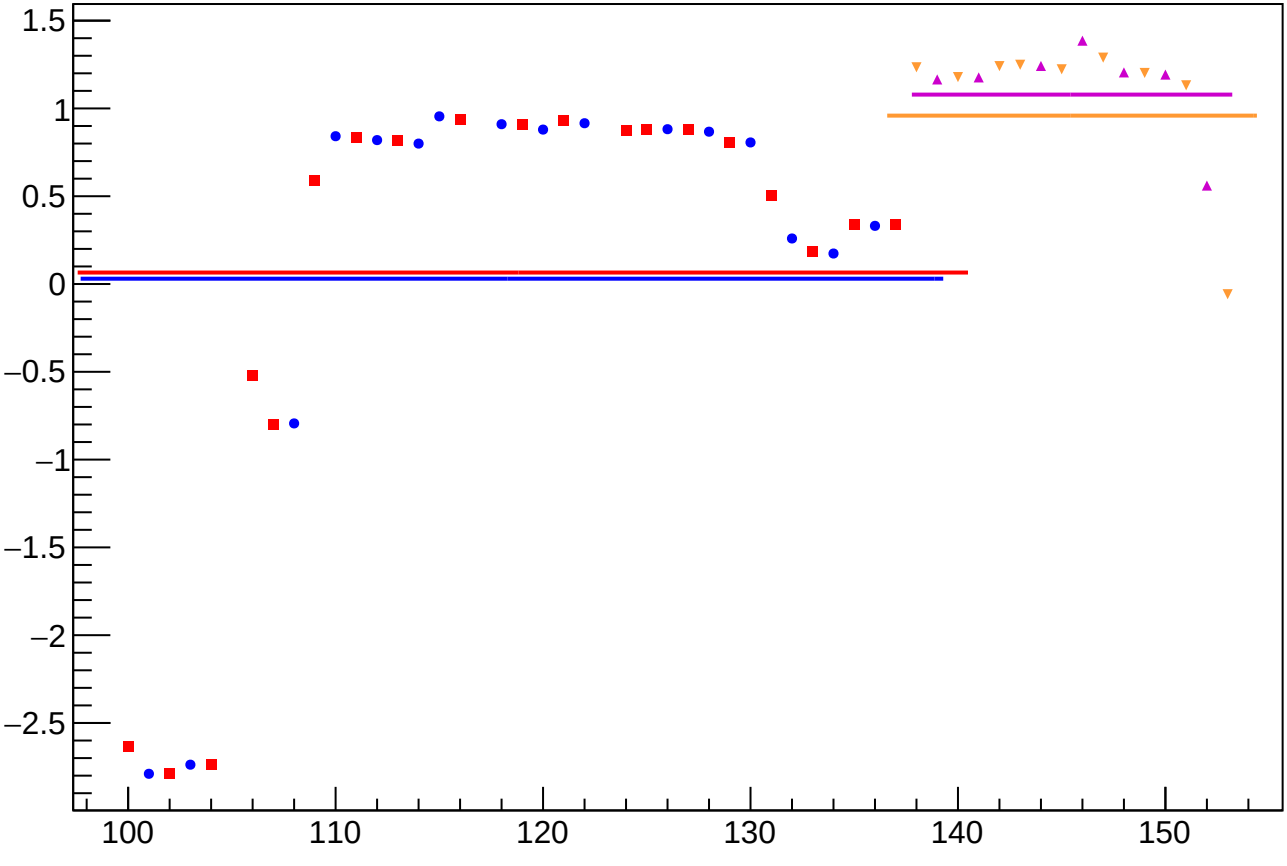
Right: 0.016+/-0.000 χ^2/NDF: 1243118.0/34

In: 0.010+/-0.000 χ^2/NDF:3086954.9/22

Out: 0.010+/-0.000 χ^2/NDF:2945475.3/27

All: 0.010+/-0.000 χ^2/NDF: 6032758.6/50

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 0.959+/-0.000 χ^2/NDF:26369299758.6/8

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

Left In: 1.079+/-0.000 χ^2/NDF:6727340053.7/6

Left: 1.013+/-0.000 χ^2/NDF: 33748205404.2/15

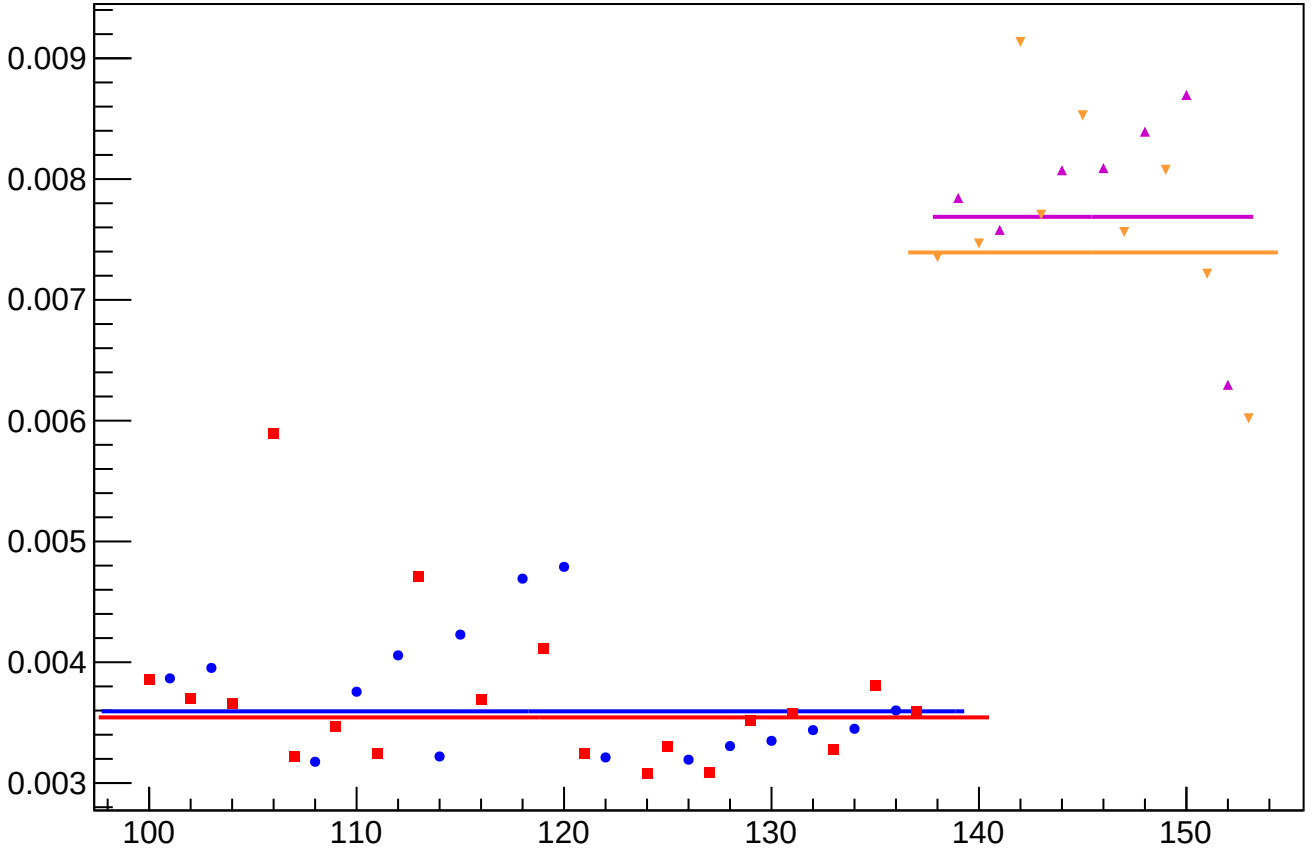
Right: 0.048+/-0.000 χ^2/NDF: 1787488269945.7/34

In: 0.174+/-0.000 χ^2/NDF:936932997347.7/22

Out: 0.202+/-0.000 χ^2/NDF:1030002565975.6/27

All: 0.188+/-0.000 χ^2/NDF: 1967175914531.

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 180415.0/15

Left Out: 0.007+/-0.000 χ^2/NDF:138270.9/8

Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.008+/-0.000 χ^2/NDF:108293.6/6

Left: 0.008+/-0.000 χ^2/NDF: 254477.5/15

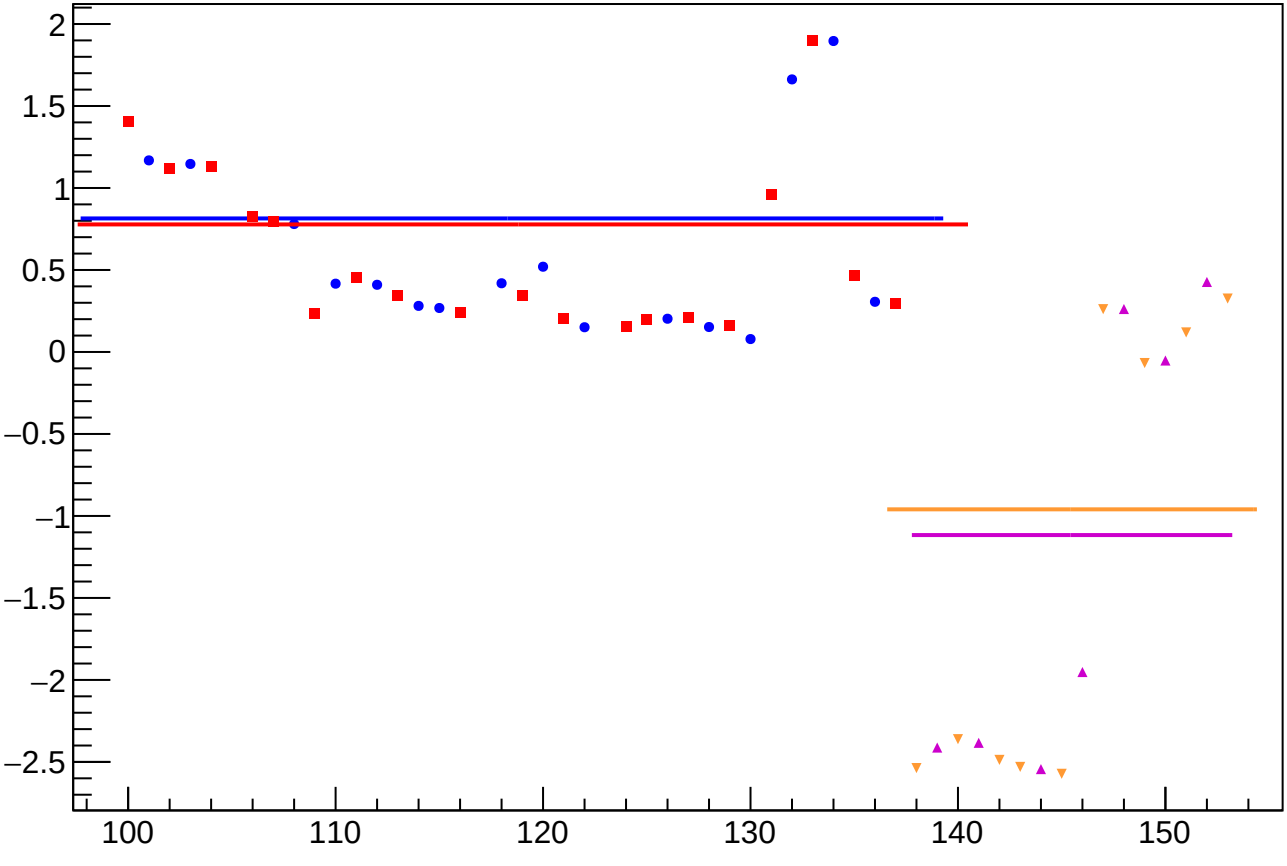
Right: 0.004+/-0.000 χ^2/NDF: 406509.3/34

In: 0.004+/-0.000 χ^2/NDF:2682812.8/22

Out: 0.004+/-0.000 χ^2/NDF:2891399.1/27

All: 0.004+/-0.000 χ^2/NDF: 5574594.3/50

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -0.960+/-0.000 χ^2/NDF:238929685914.6/8

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

Left In: -1.117+/-0.000 χ^2/NDF:179926725270.2/6

Left: -1.030+/-0.000 χ^2/NDF: 420360743203.5/15

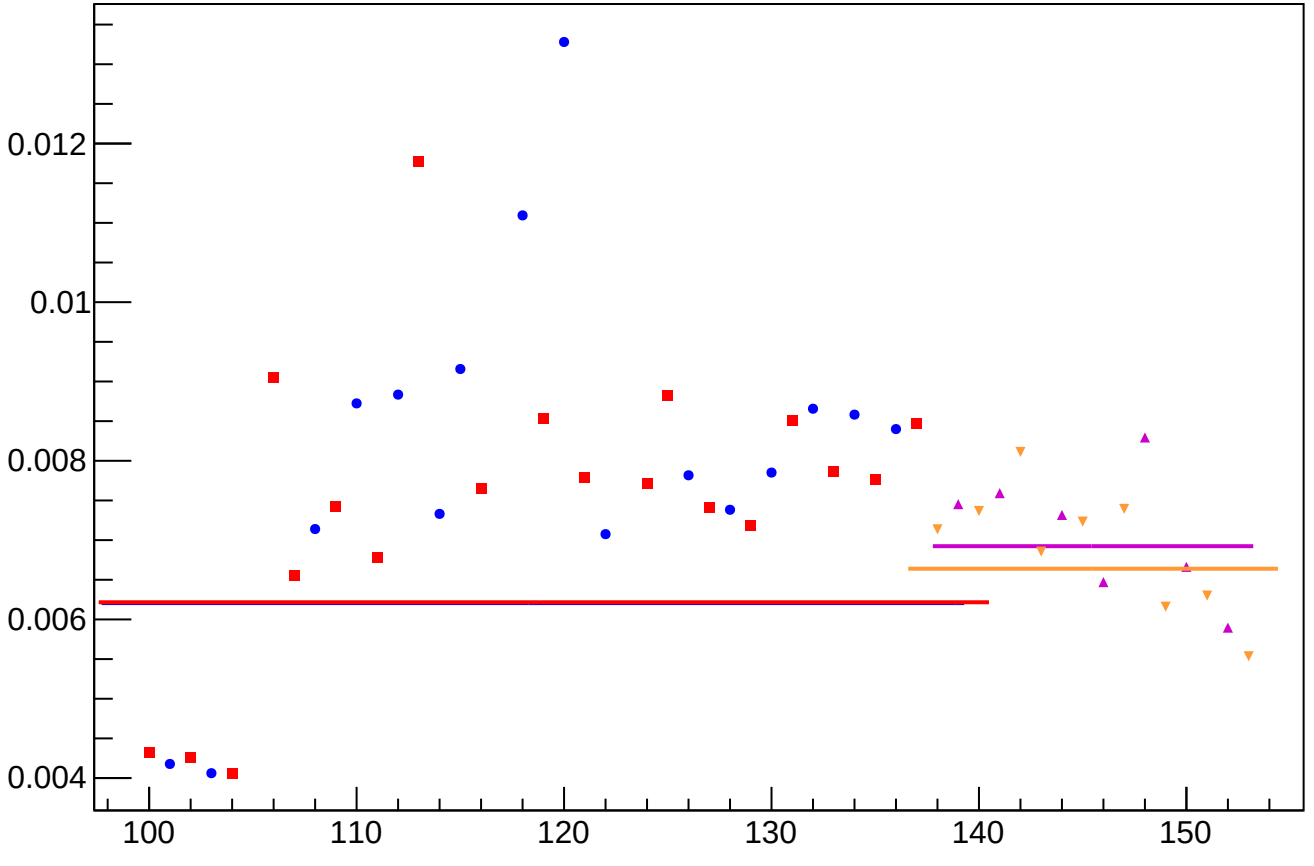
Right: 0.795+/-0.000 χ^2/NDF: 70115223181.3/34

In: -0.024+/-0.000 χ^2/NDF:448827686161.1/22

Out: -0.035+/-0.000 χ^2/NDF:493073530781.4/27

All: -0.030+/-0.000 χ^2/NDF: 941918695621.1

yield_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 1423886.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:146500.7/8

Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.007+/-0.000 χ^2/NDF:122730.8/6

Left: 0.007+/-0.000 χ^2/NDF: 279080.2/15

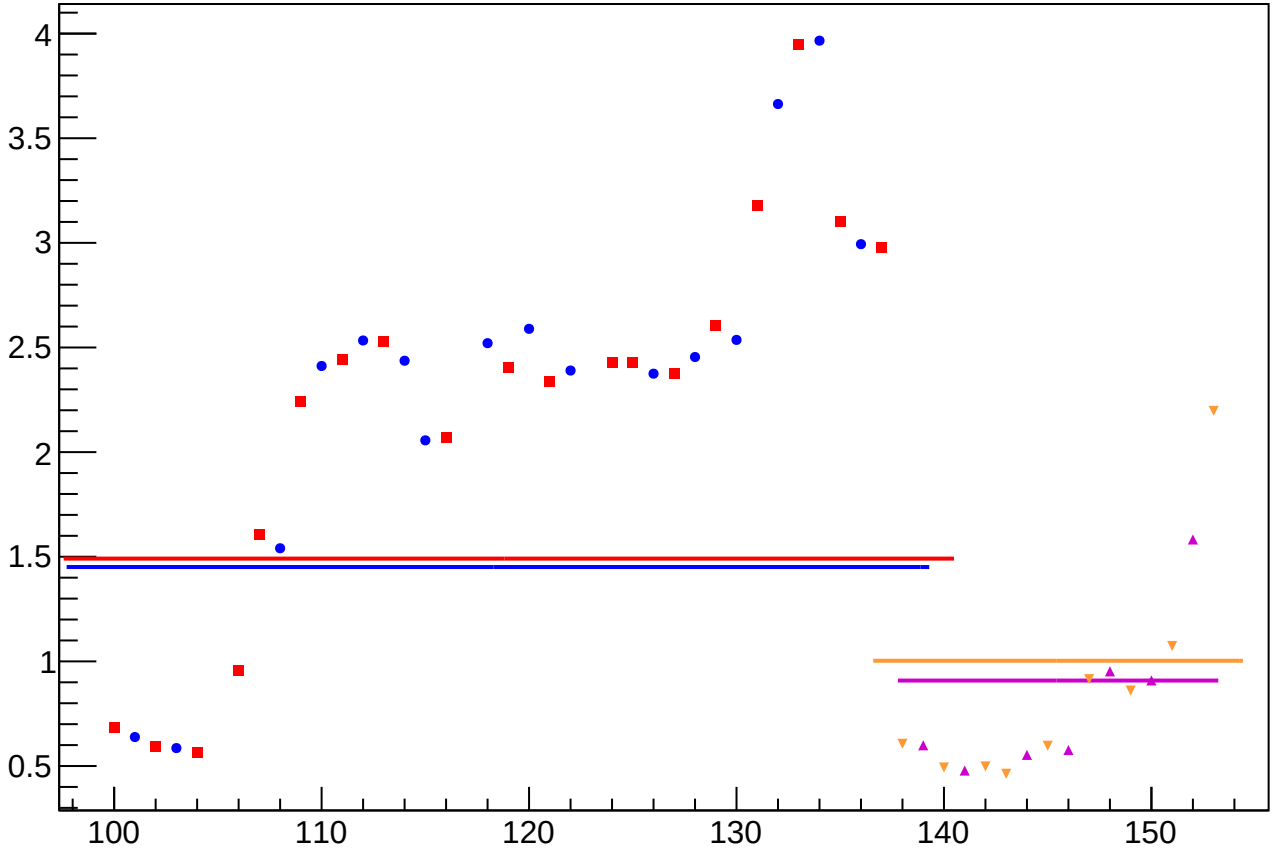
Right: 0.006+/-0.000 χ^2/NDF: 2585020.0/34

In: 0.007+/-0.000 χ^2/NDF:1611082.0/22

Out: 0.006+/-0.000 χ^2/NDF:1333675.8/27

All: 0.006+/-0.000 χ^2/NDF: 2947646.5/50

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 1.003+/-0.000 χ^2/NDF:47400856332.7/8

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

Left In: 0.908+/-0.000 χ^2/NDF:21018876072.7/6

Left: 0.960+/-0.000 χ^2/NDF: 68949702442.4/15

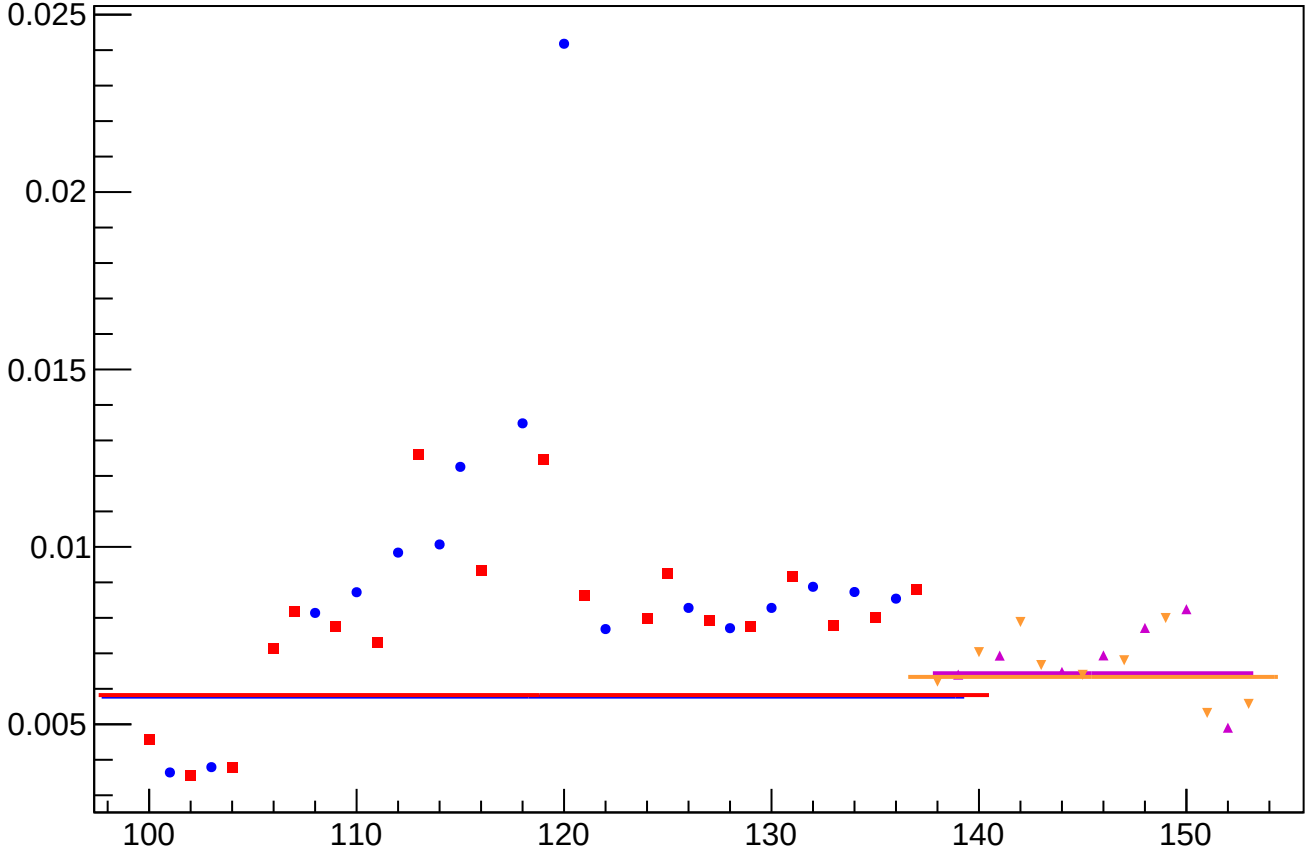
Right: 1.472+/-0.000 χ^2/NDF: 356714546192.4/34

In: 1.222+/-0.000 χ^2/NDF:209220937114.1/22

Out: 1.274+/-0.000 χ^2/NDF:251473185272.4/27

All: 1.250+/-0.000 χ^2/NDF: 461055682814.1

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2213885.3/15

Left Out: 0.006+/-0.000 χ^2/NDF:174377.5/8

Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.006+/-0.000 χ^2/NDF:255436.5/6

Left: 0.006+/-0.000 χ^2/NDF: 431067.4/15

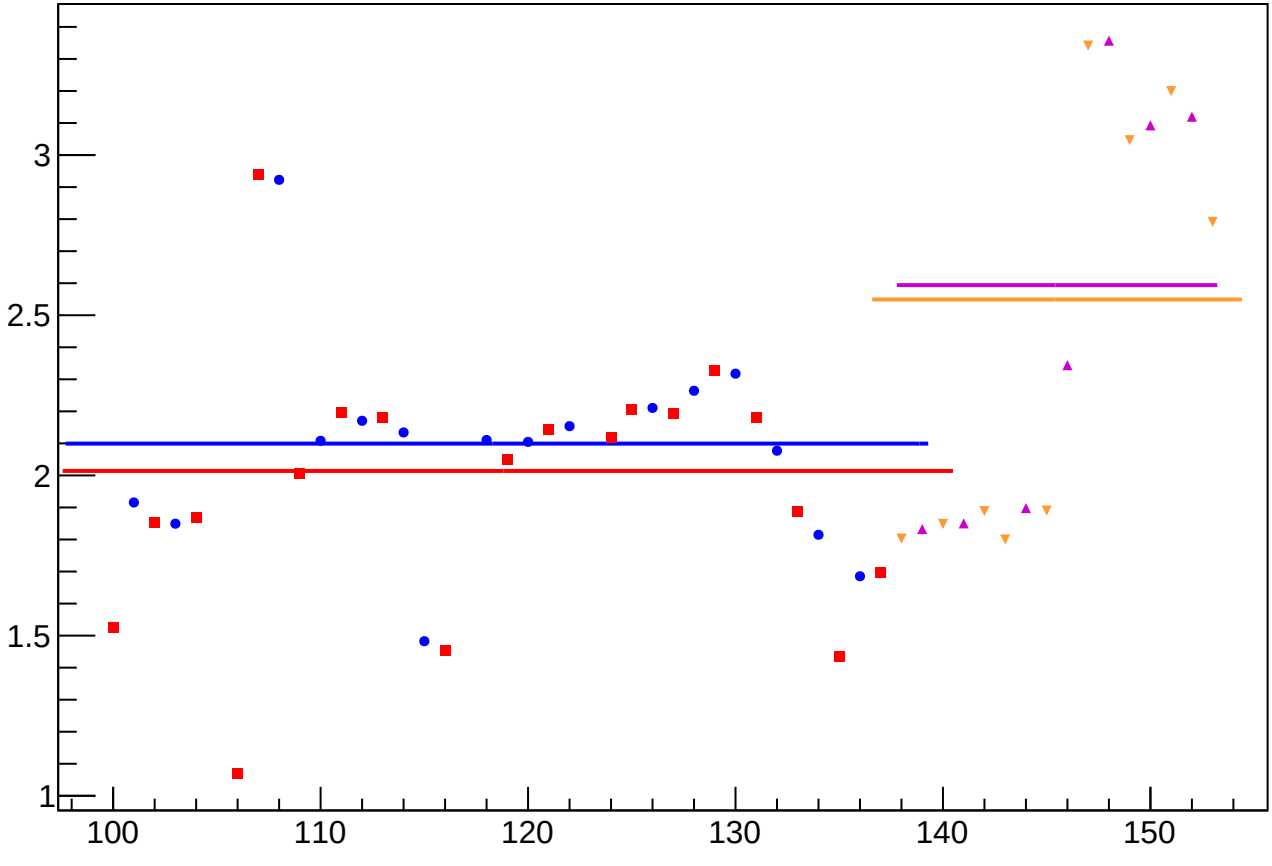
Right: 0.006+/-0.000 χ^2/NDF: 4169928.0/34

In: 0.006+/-0.000 χ^2/NDF:2524013.4/22

Out: 0.006+/-0.000 χ^2/NDF:2167820.7/27

All: 0.006+/-0.000 χ^2/NDF: 4691843.7/50

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.549+/-0.000 χ^2/NDF:39211000473.4/8

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

Left In: 2.594+/-0.000 χ^2/NDF:32251731077.8/6

Left: 2.570+/-0.000 χ^2/NDF: 71553718792.0/15

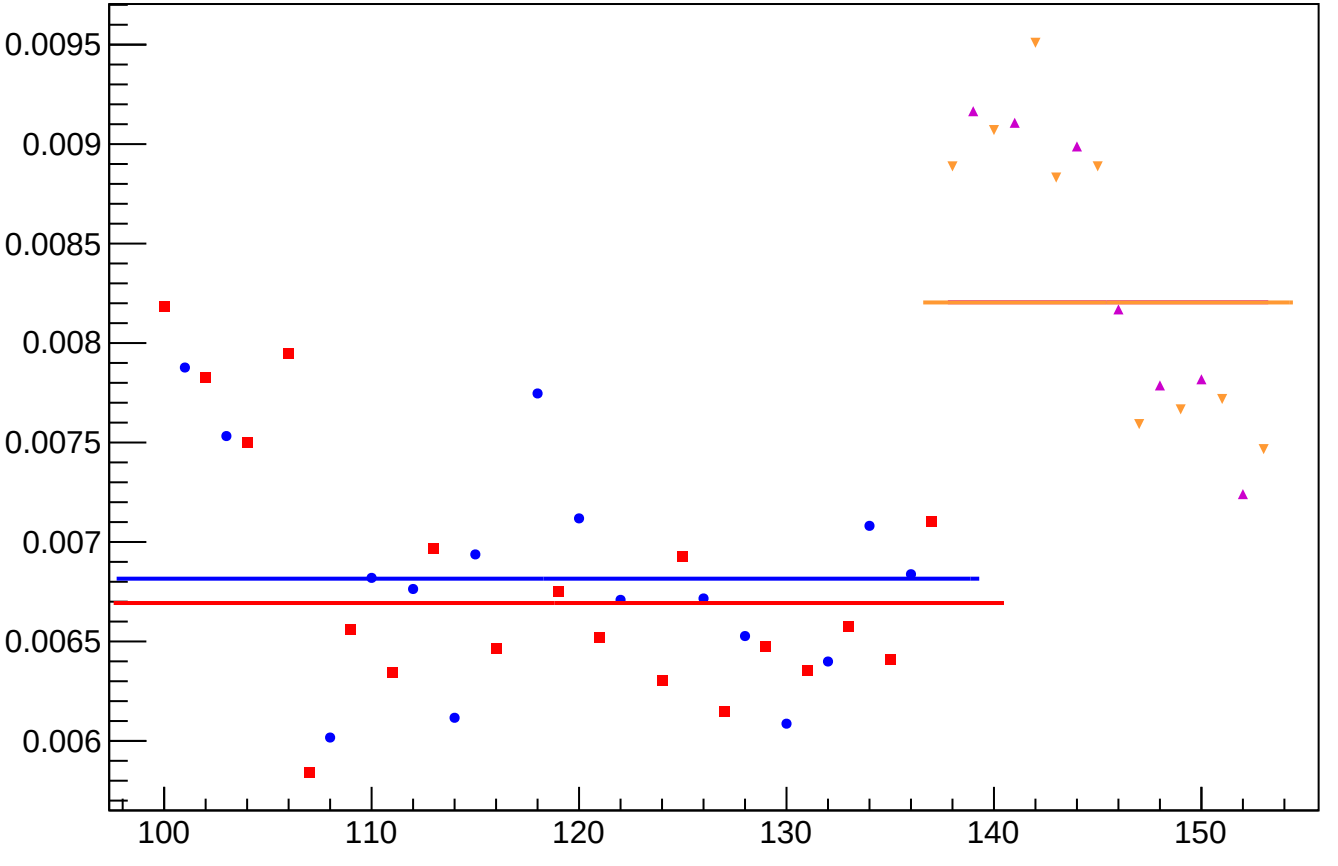
Right: 2.055+/-0.000 χ^2/NDF: 34101176841.4/34

In: 2.281+/-0.000 χ^2/NDF:59362102373.4/22

Out: 2.215+/-0.000 χ^2/NDF:76008473749.9/27

All: 2.246+/-0.000 χ^2/NDF: 135887741364.6

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:93530.0/8

Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.008+/-0.000 χ^2/NDF:84277.7/6

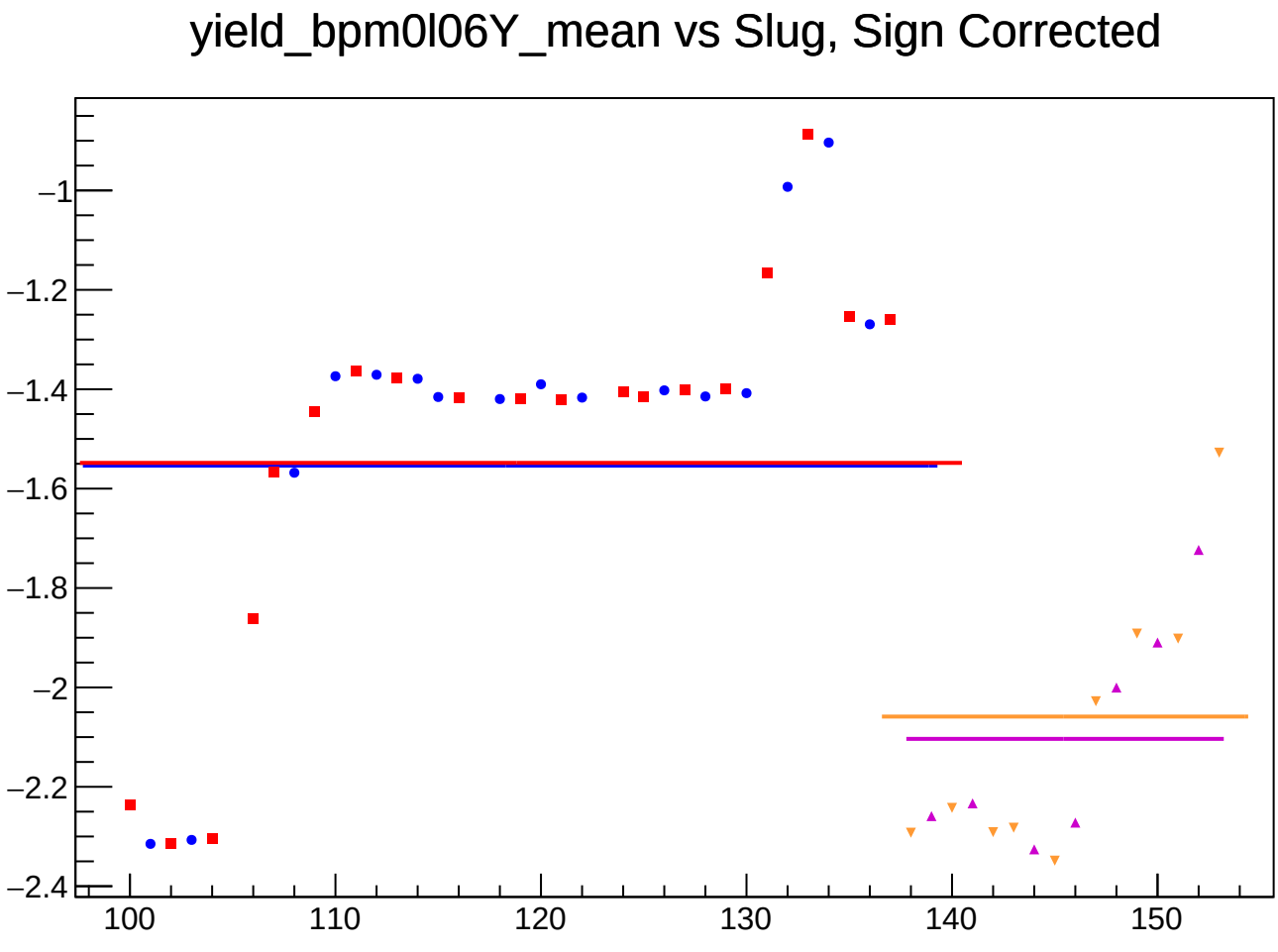
Left: 0.008+/-0.000 χ^2/NDF: 177807.8/15

Right: 0.007+/-0.000 χ^2/NDF: 176946.8/34

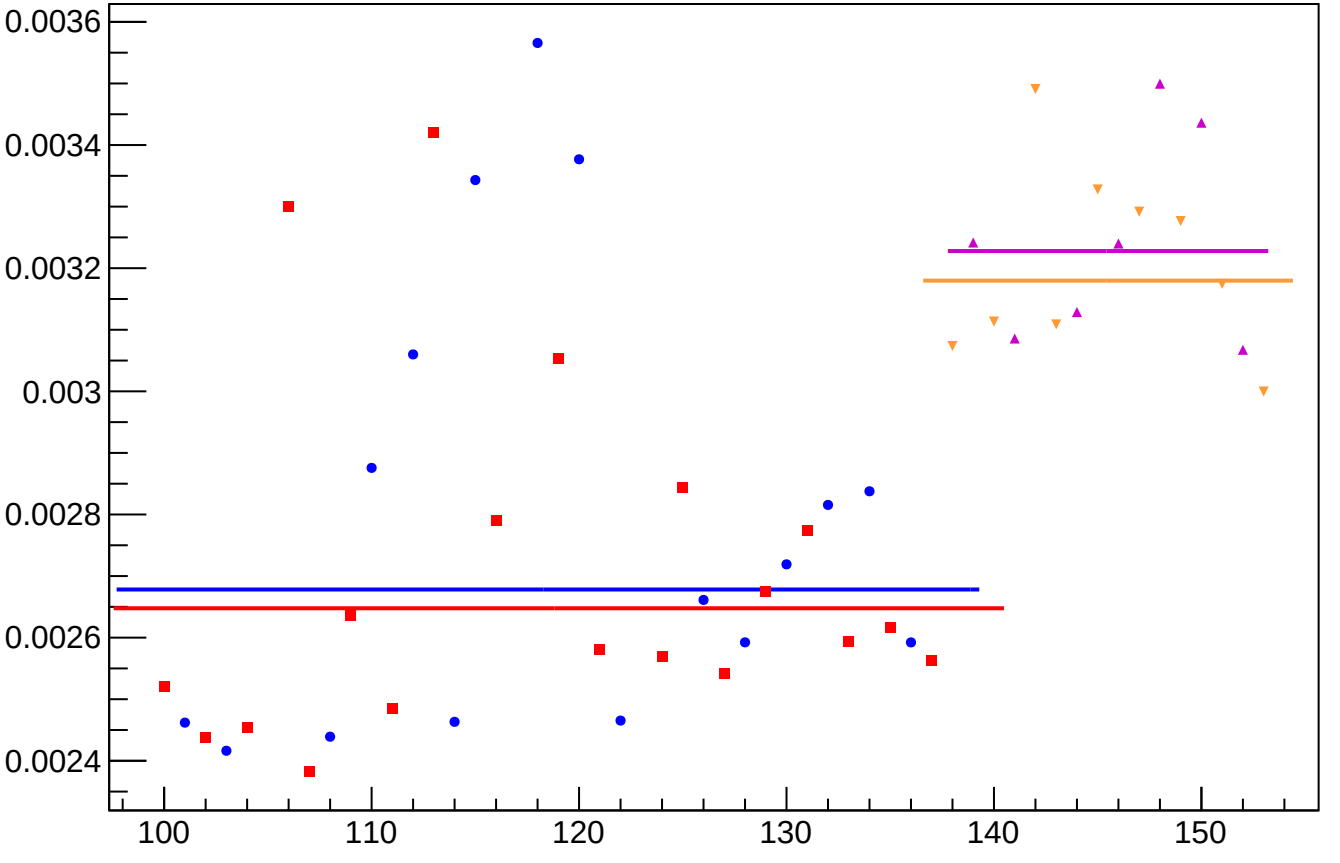
In: 0.007+/-0.000 χ^2/NDF:379052.7/22

Out: 0.007+/-0.000 χ^2/NDF:455315.6/27

All: 0.007+/-0.000 χ^2/NDF: 835331.2/50


yield_bpm0l06Y_mean vs Slug, Sign Corrected
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
−2.4
100
110
120
130
140
150
Right In: -1.554+/-0.000 χ²/NDF: 175176621986.0/15
Left Out: -2.059+/-0.000 χ²/NDF:45794181001.8/8
Right Out: -1.548+/-0.000 χ²/NDF: 174743666302.8/18
Left In: -2.104+/-0.000 χ²/NDF:24675305072.8/6
Left: -2.079+/-0.000 χ²/NDF: 71037858290.0/15
Right: -1.551+/-0.000 χ²/NDF: 349934542439.1/34
In: -1.751+/-0.000 χ²/NDF:301368447994.8/22
Out: -1.742+/-0.000 χ²/NDF:319600953580.8/27
All: -1.746+/-0.000 χ²/NDF: 621028042843.8

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:20760.4/8

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

Left In: 0.003+/-0.000 χ^2/NDF:24611.9/6

Left: 0.003+/-0.000 χ^2/NDF: 46676.5/15

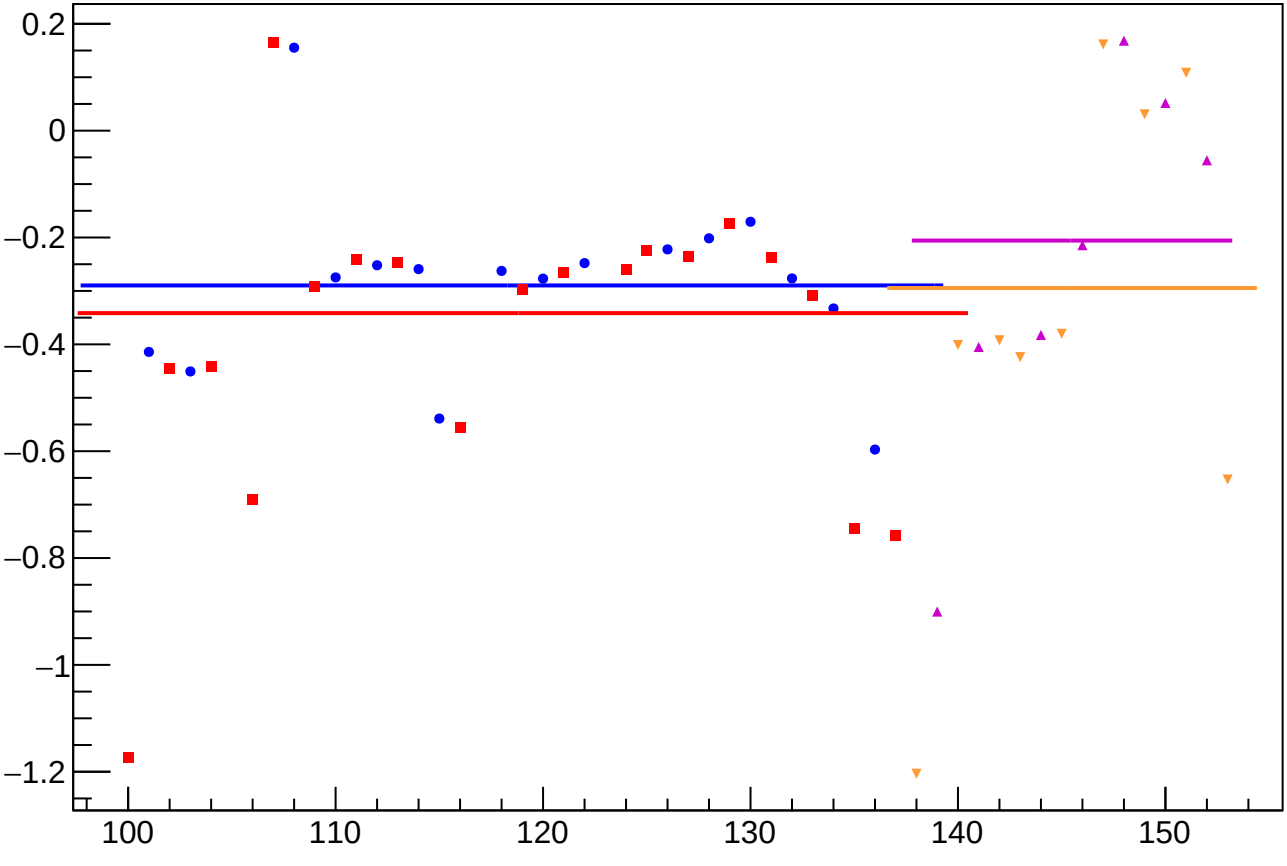
Right: 0.003+/-0.000 χ^2/NDF: 274930.8/34

In: 0.003+/-0.000 χ^2/NDF:385353.1/22

Out: 0.003+/-0.000 χ^2/NDF:352179.6/27

All: 0.003+/-0.000 χ^2/NDF: 738529.6/50

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.295+/-0.000 χ^2/NDF:5777767576.6/8

Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

Left In: -0.206+/-0.000 χ^2/NDF:3099989735.0/6

Left: -0.253+/-0.000 χ^2/NDF: 9007768528.7/15

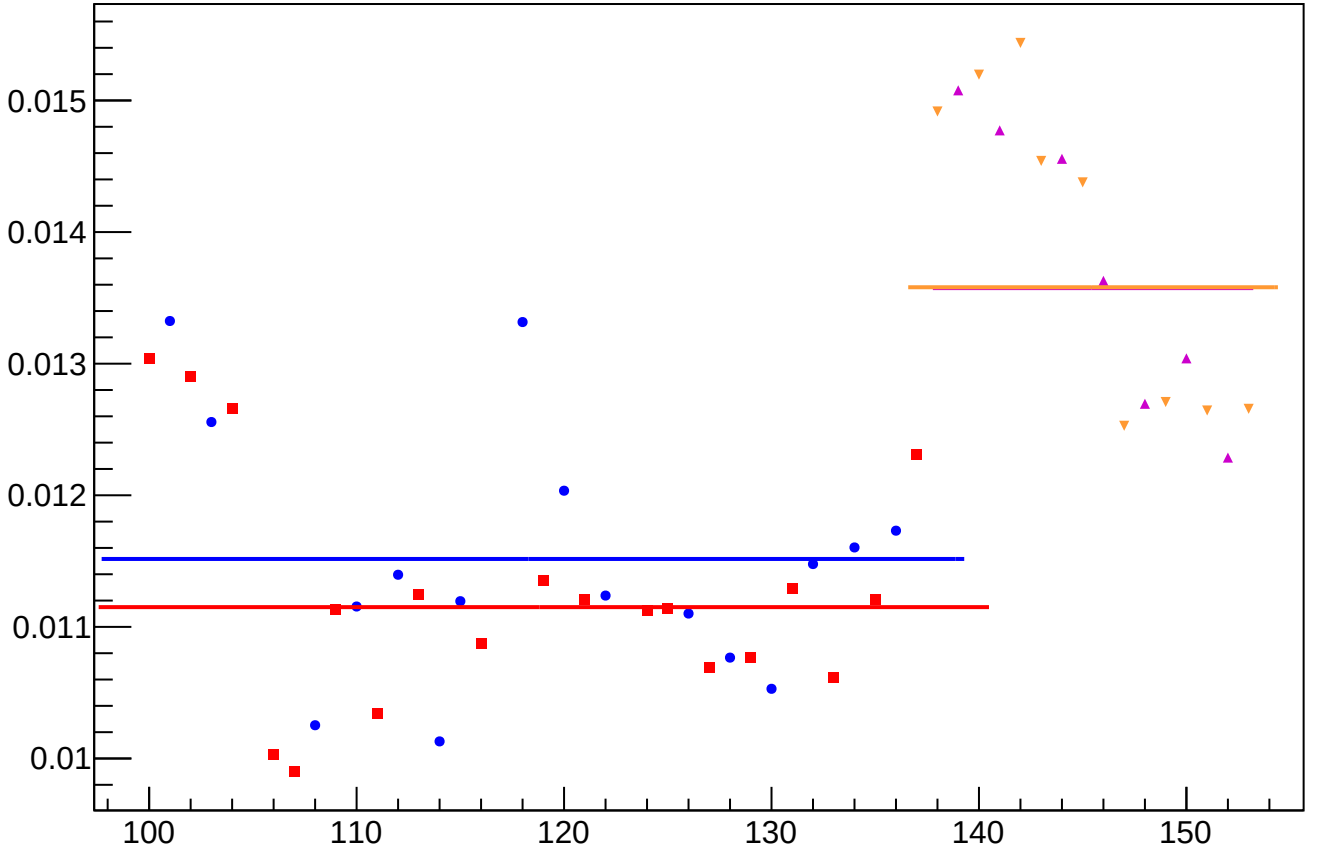
Right: -0.317+/-0.000 χ^2/NDF: 4328413510.6/34

In: -0.258+/-0.000 χ^2/NDF:4881968382.6/22

Out: -0.324+/-0.000 χ^2/NDF:8435577187.5/27

All: -0.293+/-0.000 χ^2/NDF: 13505644013.5/

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 84278.9/15

Left Out: 0.014+/-0.000 χ^2/NDF:87218.8/8

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

Left In: 0.014+/-0.000 χ^2/NDF:62582.6/6

Left: 0.014+/-0.000 χ^2/NDF: 149802.7/15

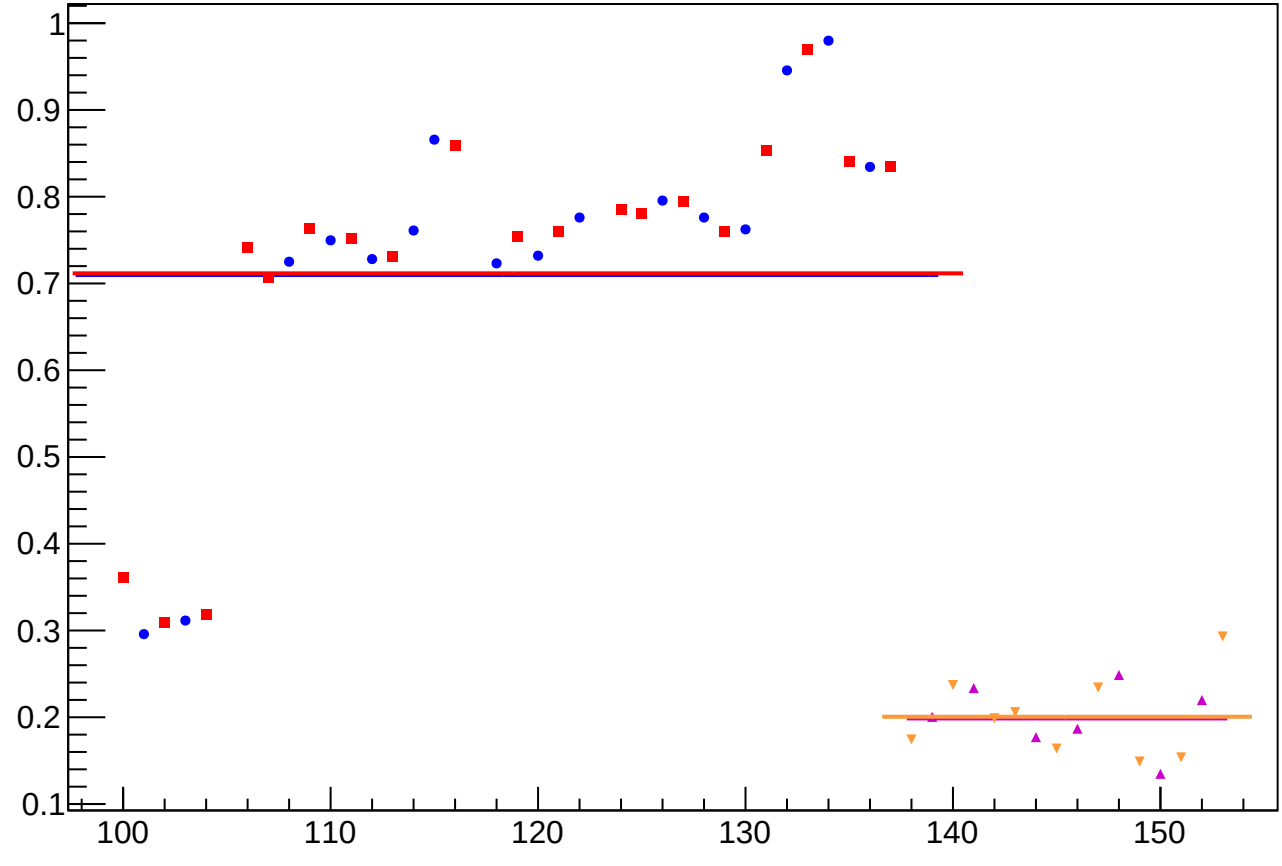
Right: 0.011+/-0.000 χ^2/NDF: 162212.6/34

In: 0.012+/-0.000 χ^2/NDF:311128.3/22

Out: 0.012+/-0.000 χ^2/NDF:417589.0/27

All: 0.012+/-0.000 χ^2/NDF: 732806.6/50

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.201+/-0.000 χ^2/NDF:2916225698.2/8

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

Left In: 0.199+/-0.000 χ^2/NDF:1657936458.8/6

Left: 0.200+/-0.000 χ^2/NDF: 4576932888.2/15

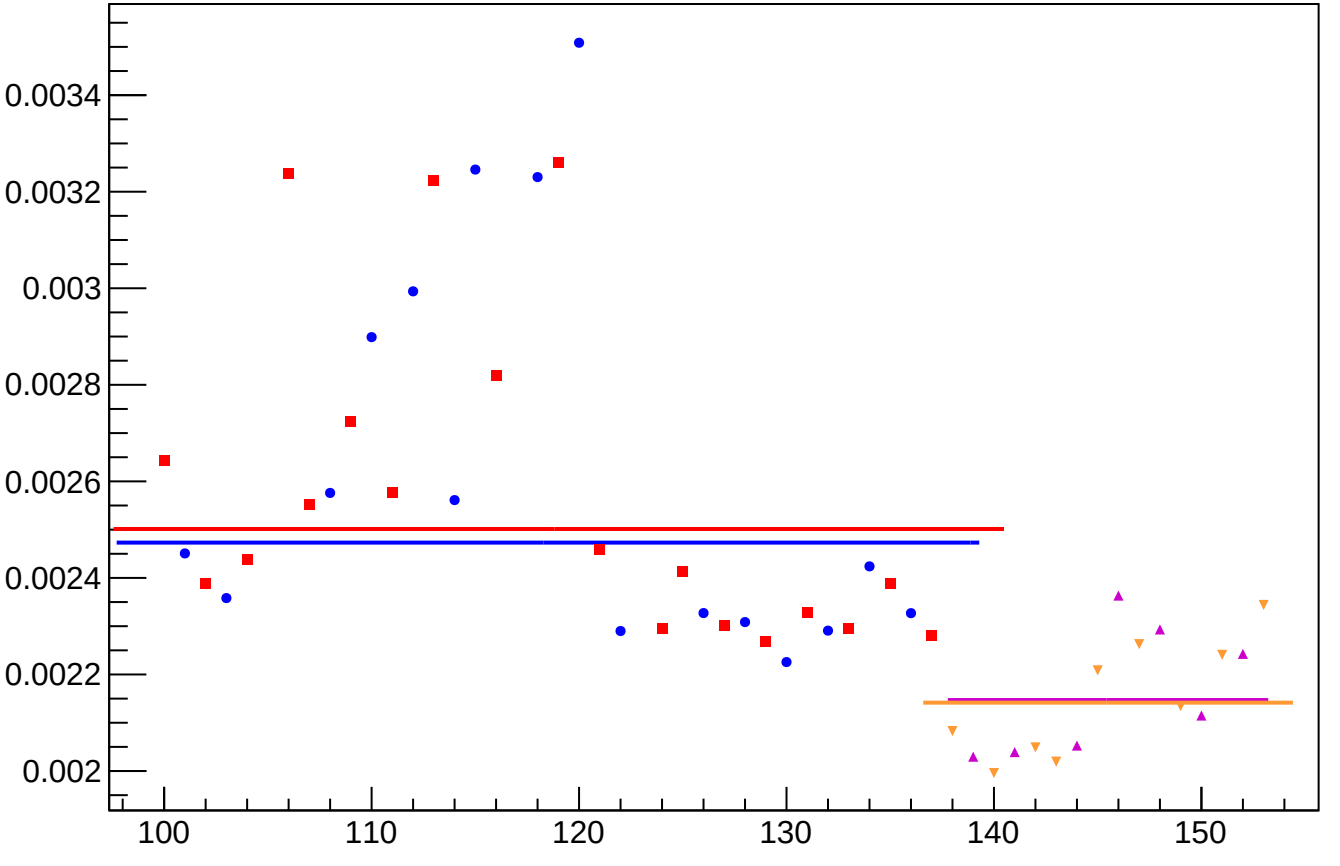
Right: 0.711+/-0.000 χ^2/NDF: 93101138571.1/34

In: 0.434+/-0.000 χ^2/NDF:207767654620.8/22

Out: 0.419+/-0.000 χ^2/NDF:215175995412.8/27

All: 0.426+/-0.000 χ^2/NDF: 423216880264.2

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:39340.5/8

Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:39248.6/6

Left: 0.002+/-0.000 χ^2/NDF: 78630.3/15

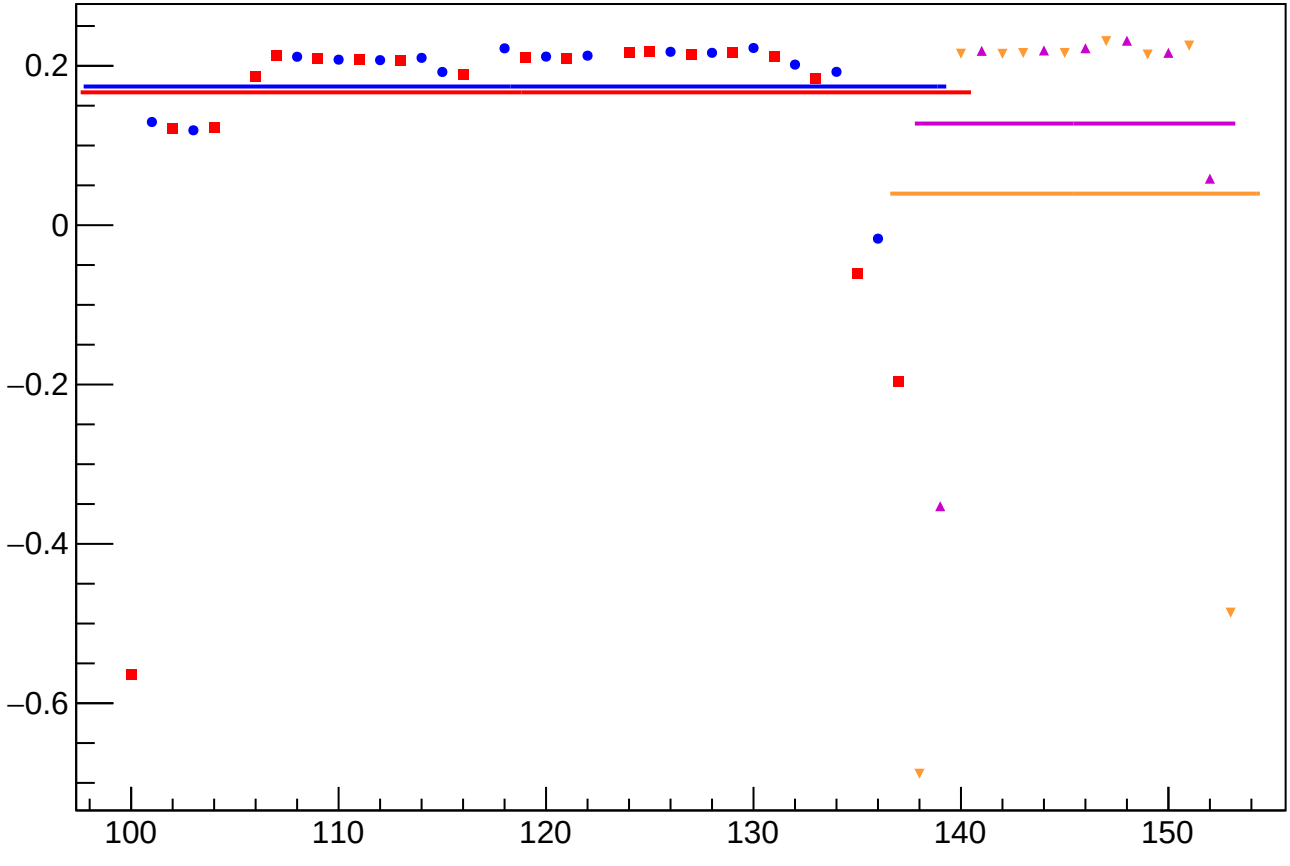
Right: 0.002+/-0.000 χ^2/NDF: 386364.7/34

In: 0.002+/-0.000 χ^2/NDF:375284.8/22

Out: 0.002+/-0.000 χ^2/NDF:383355.5/27

All: 0.002+/-0.000 χ^2/NDF: 758647.5/50

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: 0.040+/-0.000 χ^2/NDF:4823412856.0/8

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

Left In: 0.128+/-0.000 χ^2/NDF:1271111638.3/6

Left: 0.081+/-0.000 χ^2/NDF: 6250566801.2/15

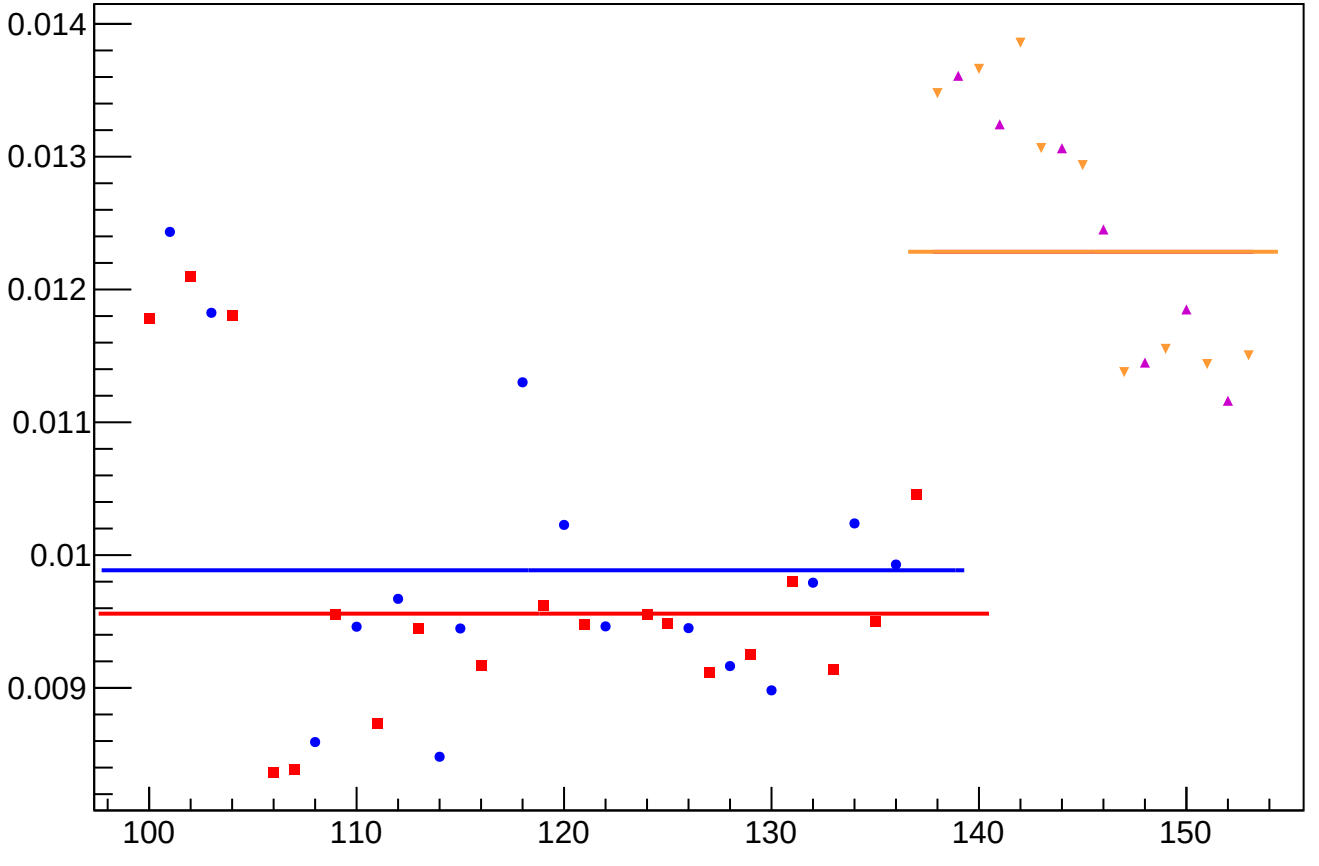
Right: 0.170+/-0.000 χ^2/NDF: 1298066263.7/34

In: 0.158+/-0.000 χ^2/NDF:1726120594.4/22

Out: 0.122+/-0.000 χ^2/NDF:6168988406.9/27

All: 0.139+/-0.000 χ^2/NDF: 7969850962.4/50

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 148562.0/15

Left Out: 0.012+/-0.000 χ^2/NDF:78799.1/8

Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.012+/-0.000 χ^2/NDF:57223.0/6

Left: 0.012+/-0.000 χ^2/NDF: 136022.2/15

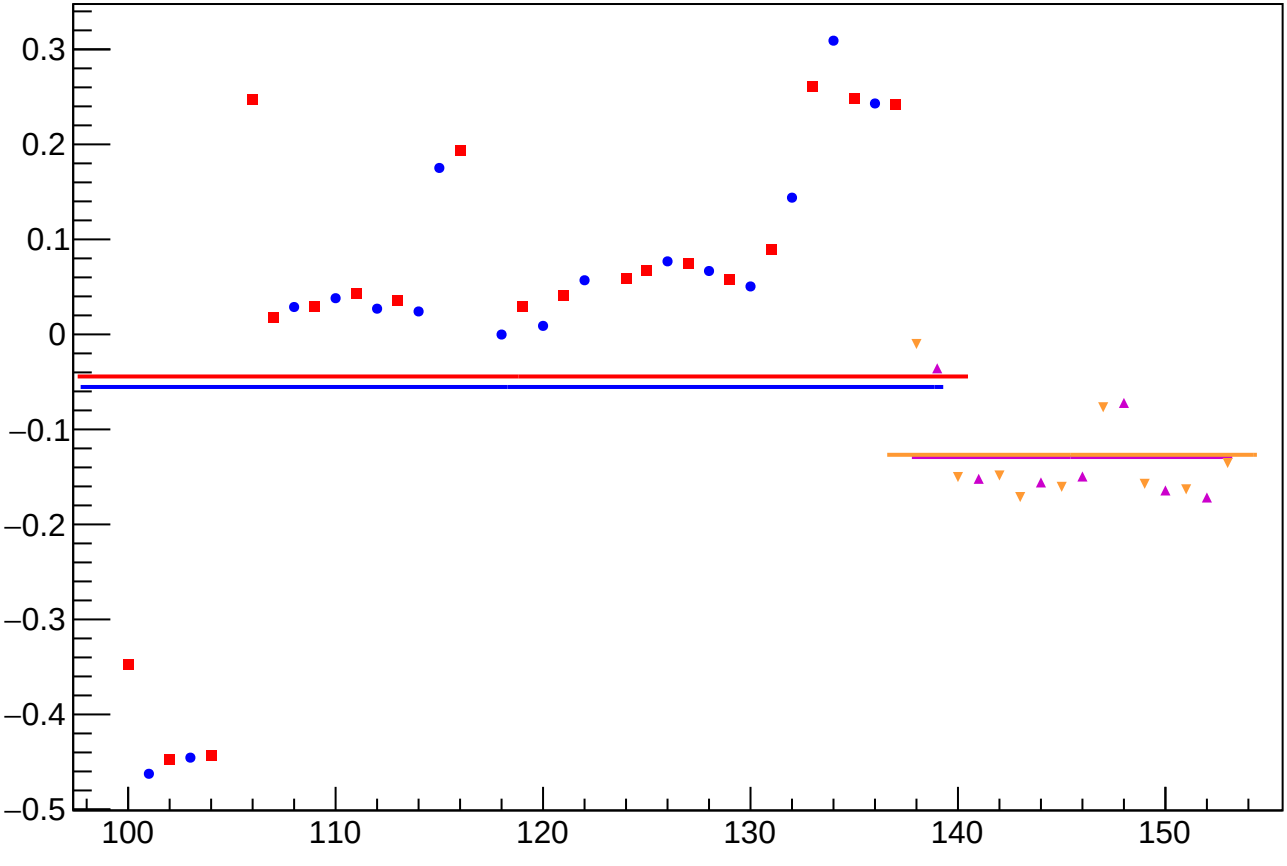
Right: 0.010+/-0.000 χ^2/NDF: 292678.0/34

In: 0.011+/-0.000 χ^2/NDF:488046.2/22

Out: 0.011+/-0.000 χ^2/NDF:629870.9/27

All: 0.011+/-0.000 χ^2/NDF: 1122473.1/50

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.000 χ^2/NDF: 24081939190.6/15

Left Out: -0.127+/-0.000 χ^2/NDF:1986173573.1/8

Right Out: -0.044+/-0.000 χ^2/NDF: 22136167141.7/18

Left In: -0.129+/-0.000 χ^2/NDF:1544950867.5/6

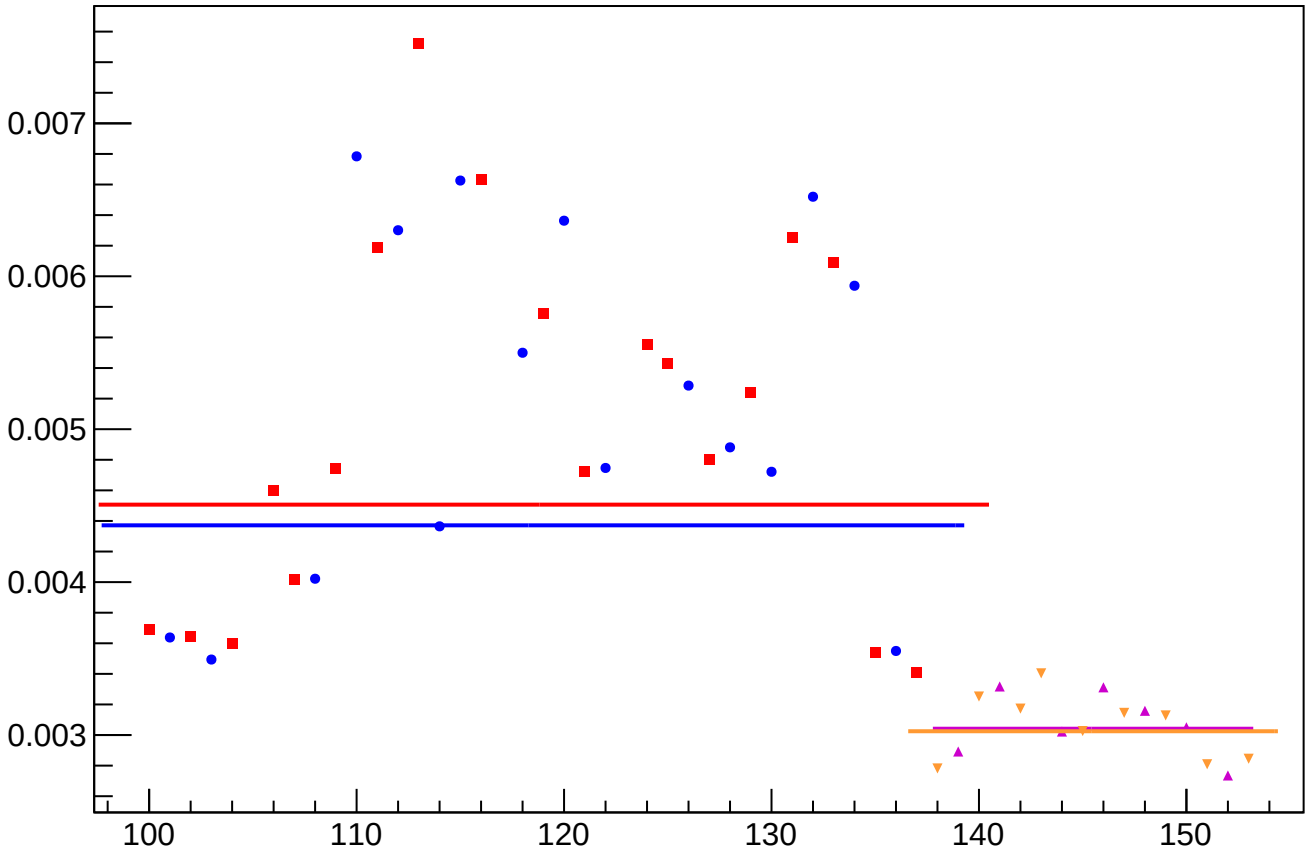
Left: -0.128+/-0.000 χ^2/NDF: 3532948721.8/15

Right: -0.050+/-0.000 χ^2/NDF: 46237436160.9/34

In: -0.104+/-0.000 χ^2/NDF:26768474874.0/22

Out: -0.101+/-0.000 χ^2/NDF:25605540891.9/27

All: -0.103+/-0.000 χ^2/NDF: 52376714326.4/



Right In: 0.004+/-0.000 χ^2/NDF: 660432.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:58031.0/8

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

Left In: 0.003+/-0.000 χ^2/NDF:48499.9/6

Left: 0.003+/-0.000 χ^2/NDF: 106709.6/15

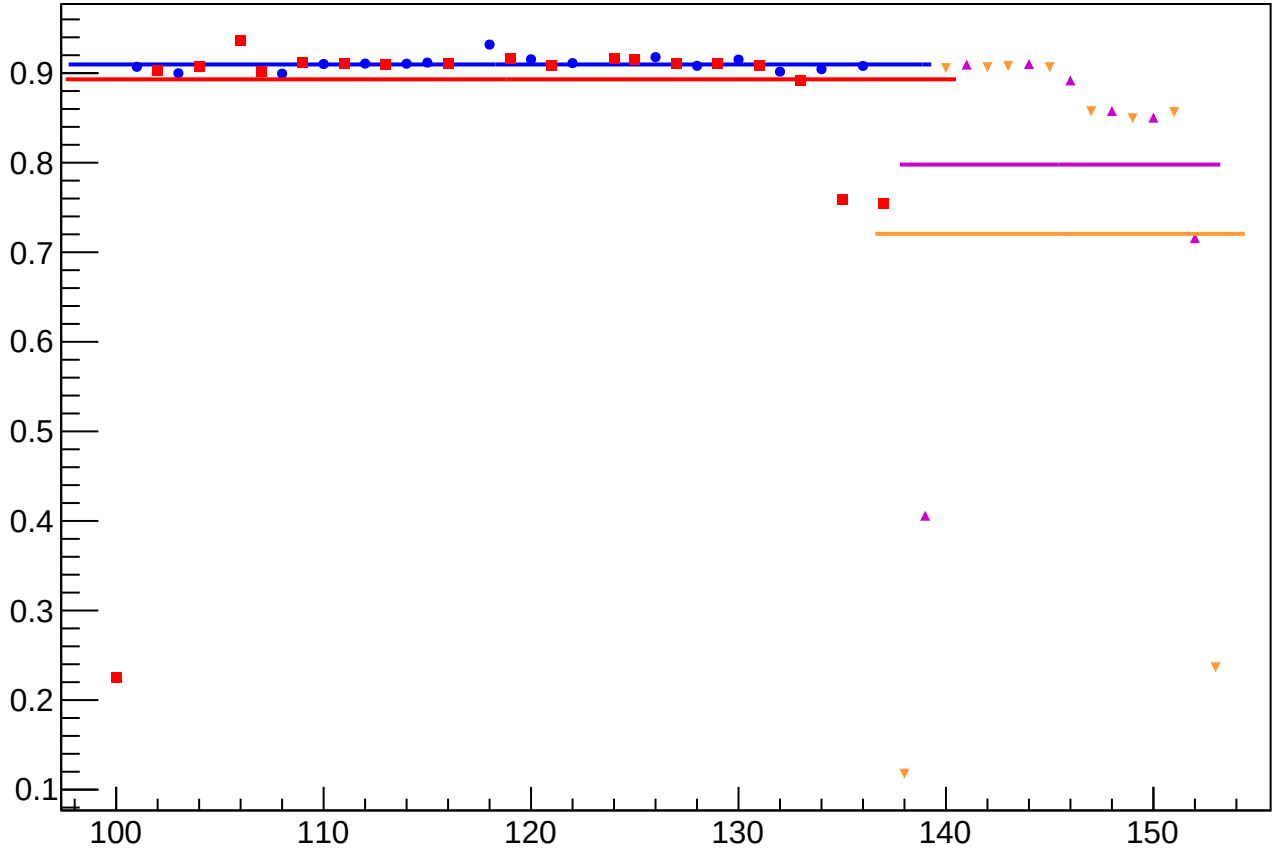
Right: 0.004+/-0.000 χ^2/NDF: 1370782.0/34

In: 0.003+/-0.000 χ^2/NDF:1451756.5/22

Out: 0.003+/-0.000 χ^2/NDF:1721154.6/27

All: 0.003+/-0.000 χ^2/NDF: 3173230.0/50

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.721+/-0.000 χ^2/NDF:3933387813.1/8

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

Left In: 0.798+/-0.000 χ^2/NDF:990103467.8/6

Left: 0.757+/-0.000 χ^2/NDF: 5052392418.0/15

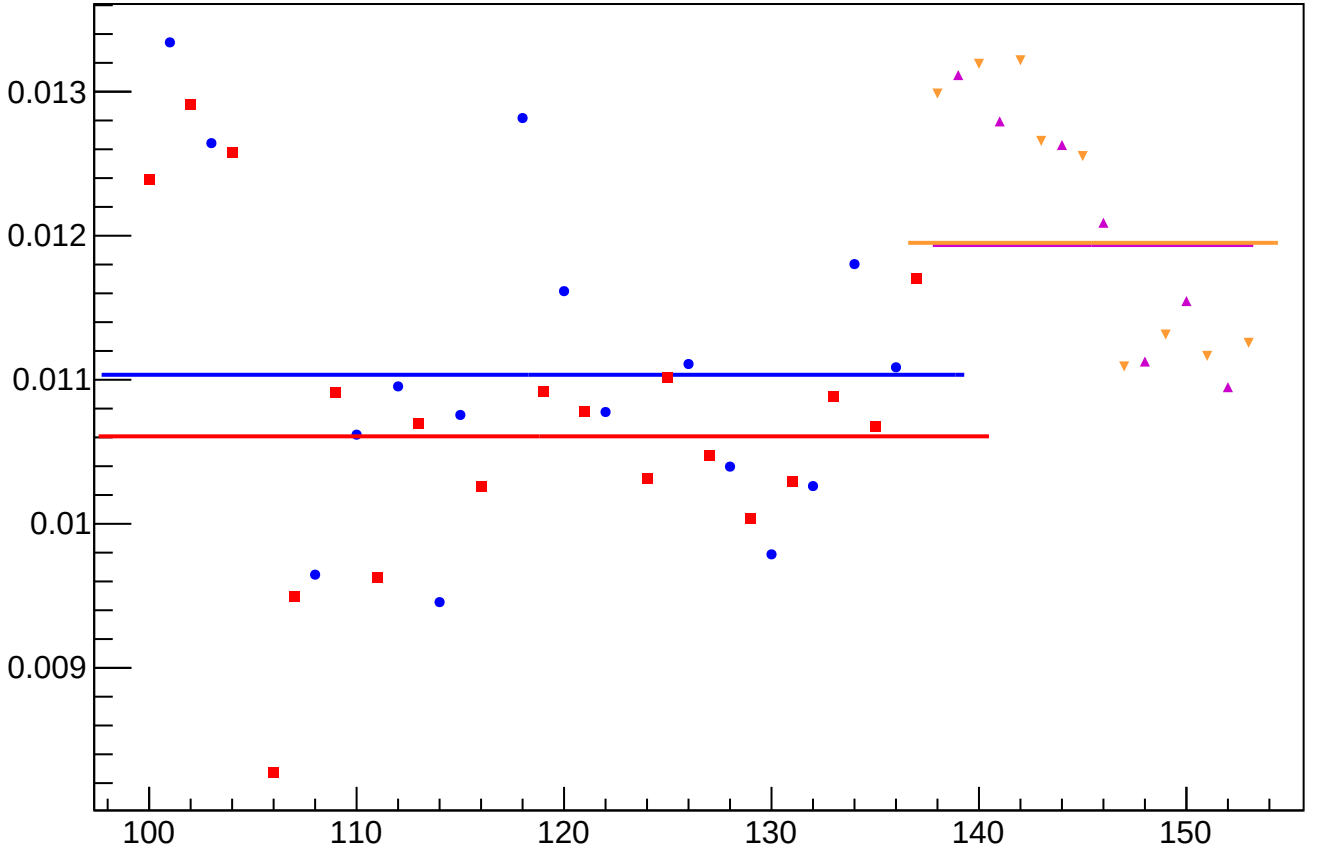
Right: 0.901+/-0.000 χ^2/NDF: 339373965.5/34

In: 0.863+/-0.000 χ^2/NDF:1287270423.6/22

Out: 0.821+/-0.000 χ^2/NDF:5059522195.3/27

All: 0.841+/-0.000 χ^2/NDF: 6438573090.1/50

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 130353.1/15

Left Out: 0.012+/-0.000 χ^2/NDF:67245.0/8

Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.012+/-0.000 χ^2/NDF:49663.5/6

Left: 0.012+/-0.000 χ^2/NDF: 116918.5/15

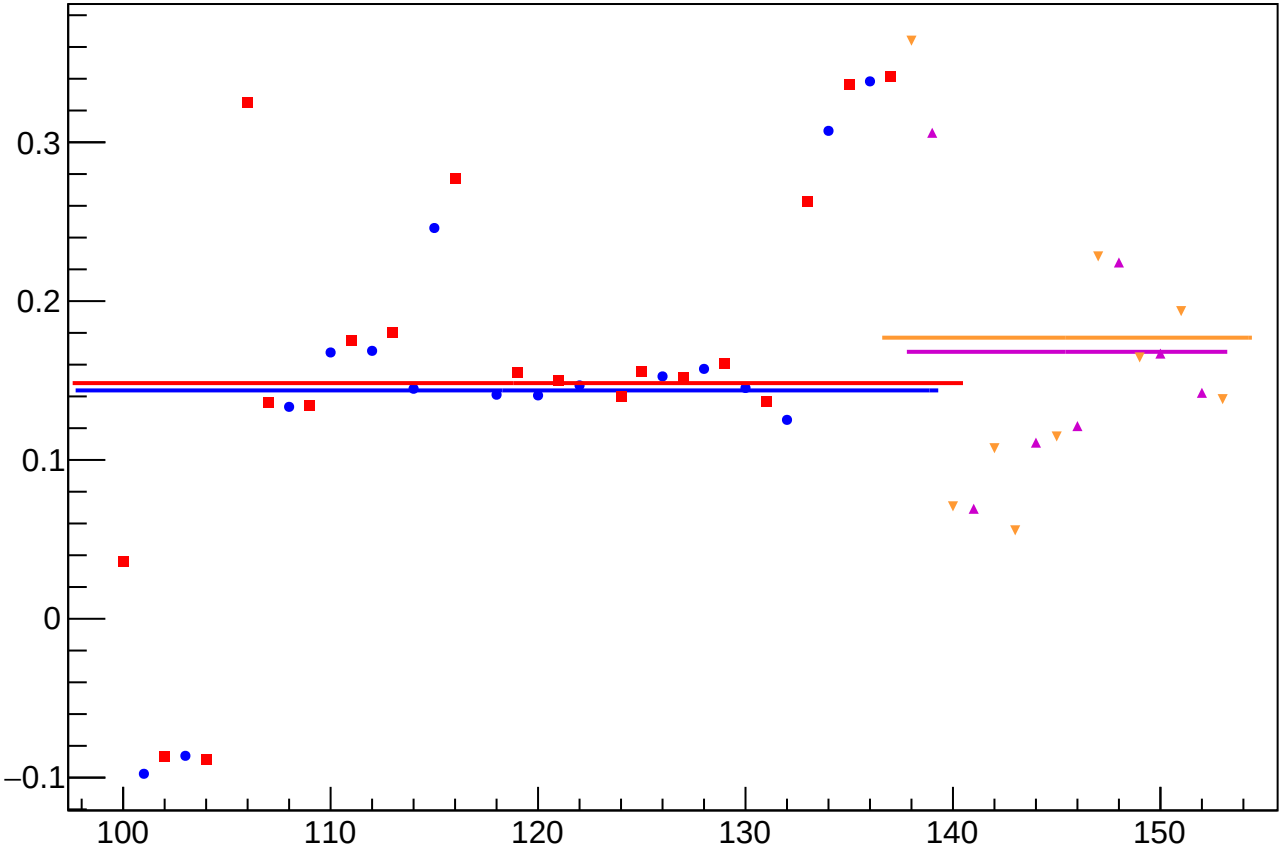
Right: 0.011+/-0.000 χ^2/NDF: 285253.7/34

In: 0.011+/-0.000 χ^2/NDF:218217.3/22

Out: 0.011+/-0.000 χ^2/NDF:307988.0/27

All: 0.011+/-0.000 χ^2/NDF: 532176.7/50

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.177+/-0.000 χ^2/NDF:4262416243.9/8

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

Left In: 0.168+/-0.000 χ^2/NDF:2196816284.0/6

Left: 0.173+/-0.000 χ^2/NDF: 6477127643.4/15

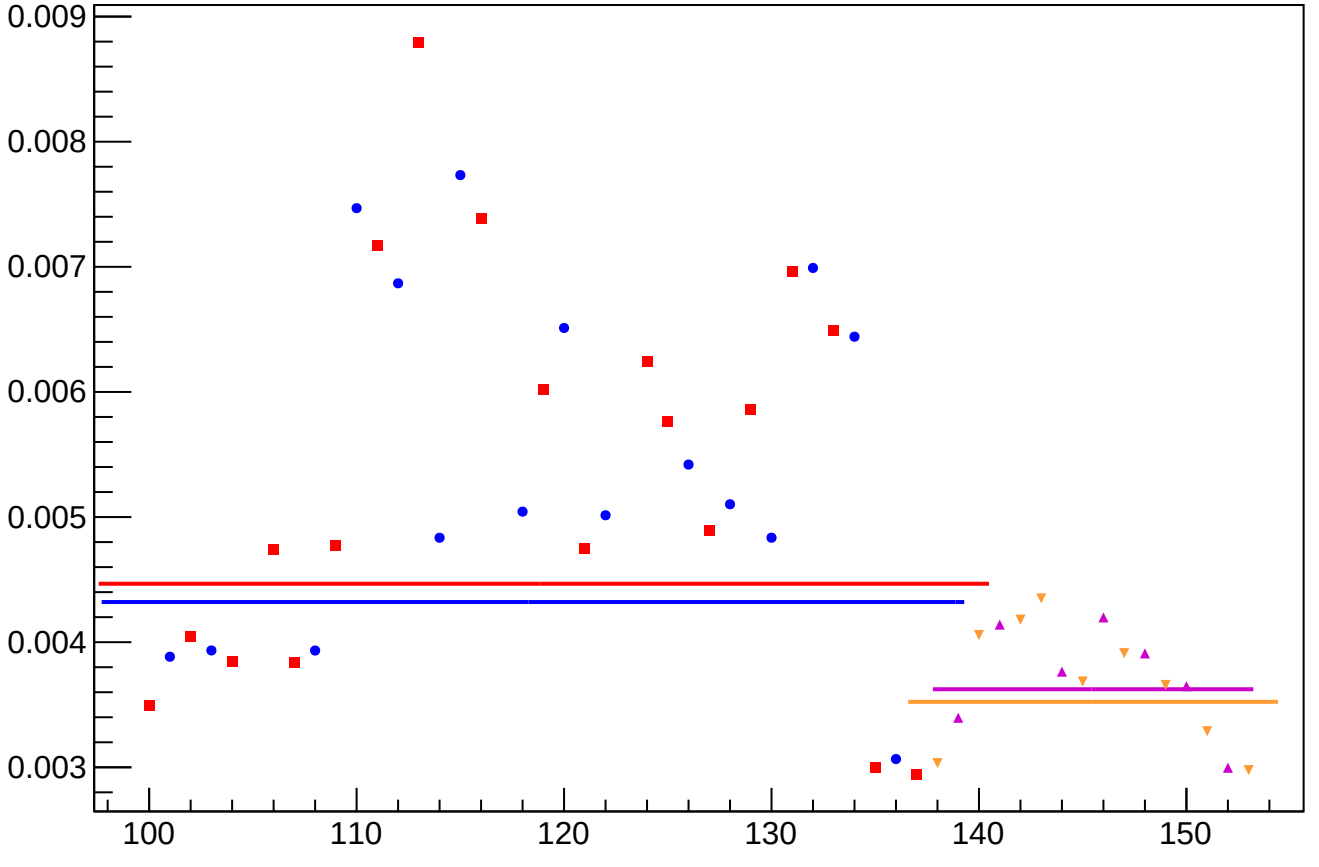
Right: 0.146+/-0.000 χ^2/NDF: 14999065697.1/34

In: 0.158+/-0.000 χ^2/NDF:10167901688.6/22

Out: 0.166+/-0.000 χ^2/NDF:11543579147.3/27

All: 0.162+/-0.000 χ^2/NDF: 21739482001.7/5

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 878343.4/15

Left Out: 0.004+/-0.000 χ^2/NDF:211124.7/8

Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.004+/-0.000 χ^2/NDF:138967.3/6

Left: 0.004+/-0.000 χ^2/NDF: 354675.6/15

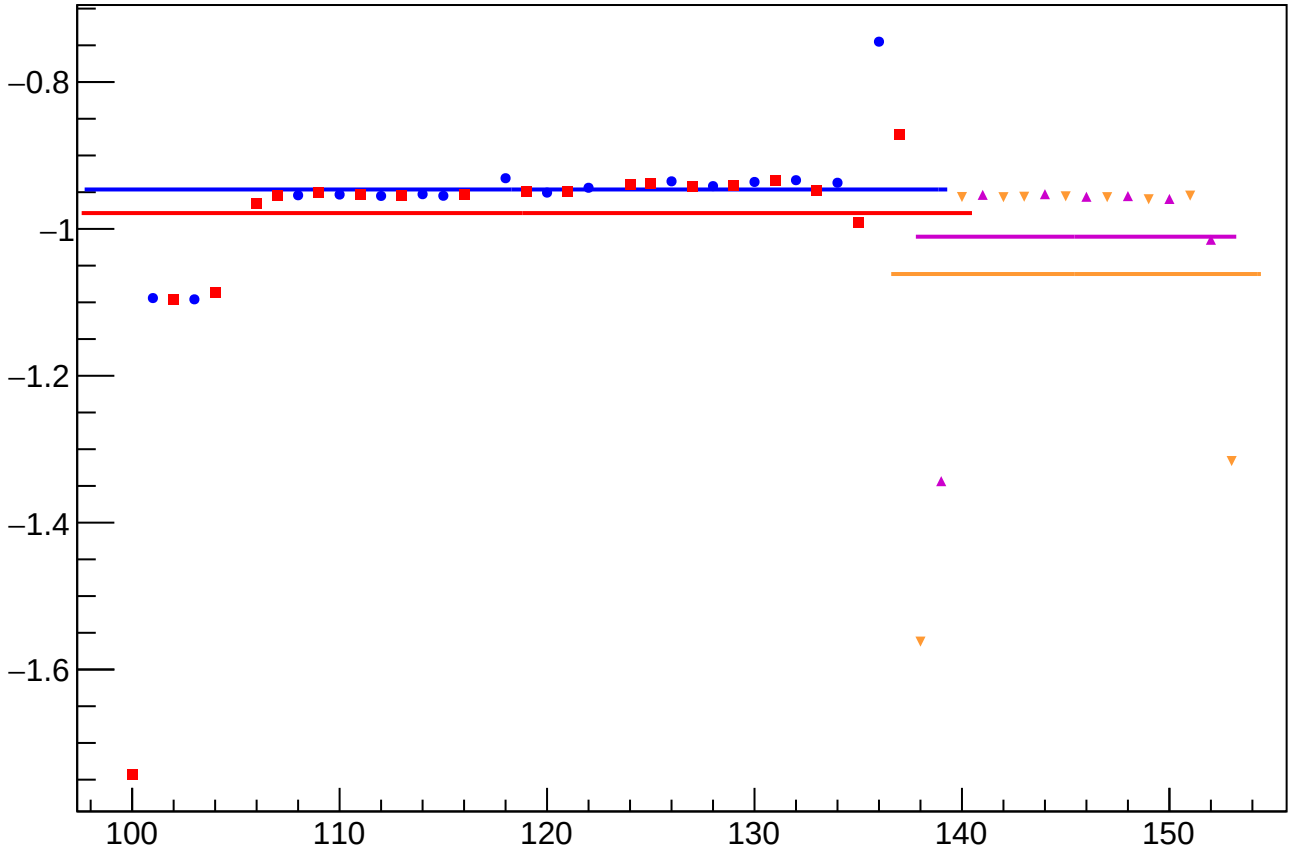
Right: 0.004+/-0.000 χ^2/NDF: 1970552.0/34

In: 0.004+/-0.000 χ^2/NDF:1188010.9/22

Out: 0.004+/-0.000 χ^2/NDF:1629118.4/27

All: 0.004+/-0.000 χ^2/NDF: 2818744.9/50

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.061+/-0.000 χ^2/NDF:2381957382.8/8

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

Left In: -1.011+/-0.000 χ^2/NDF:777465978.5/6

Left: -1.038+/-0.000 χ^2/NDF: 3230518590.5/15

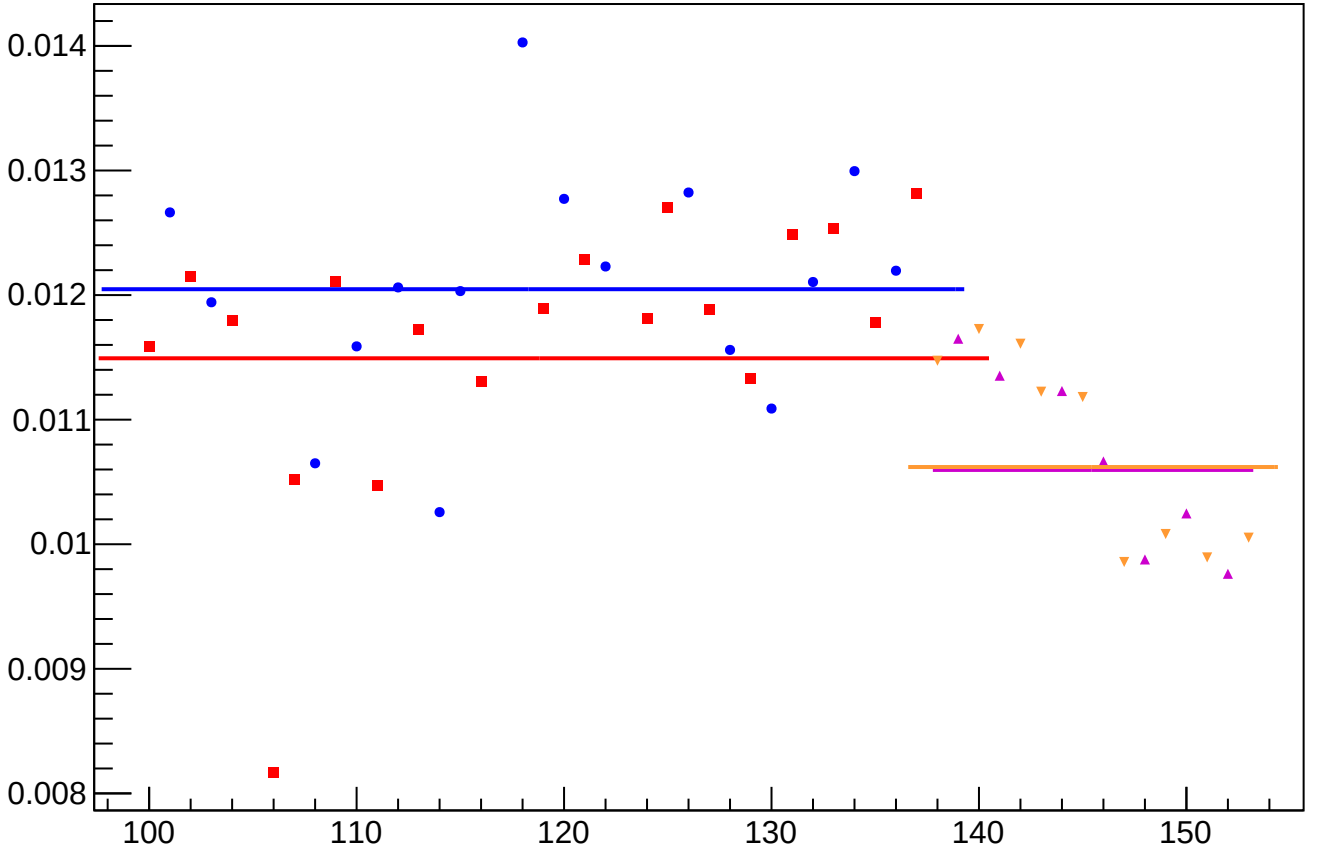
Right: -0.963+/-0.000 χ^2/NDF: 891693396.9/34

In: -0.980+/-0.000 χ^2/NDF:1284103267.1/22

Out: -1.022+/-0.000 χ^2/NDF:3037288750.1/27

All: -1.002+/-0.000 χ^2/NDF: 4413444471.1/5

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 62476.3/15

Left Out: 0.011+/-0.000 χ^2/NDF:64167.8/8

Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.011+/-0.000 χ^2/NDF:48862.9/6

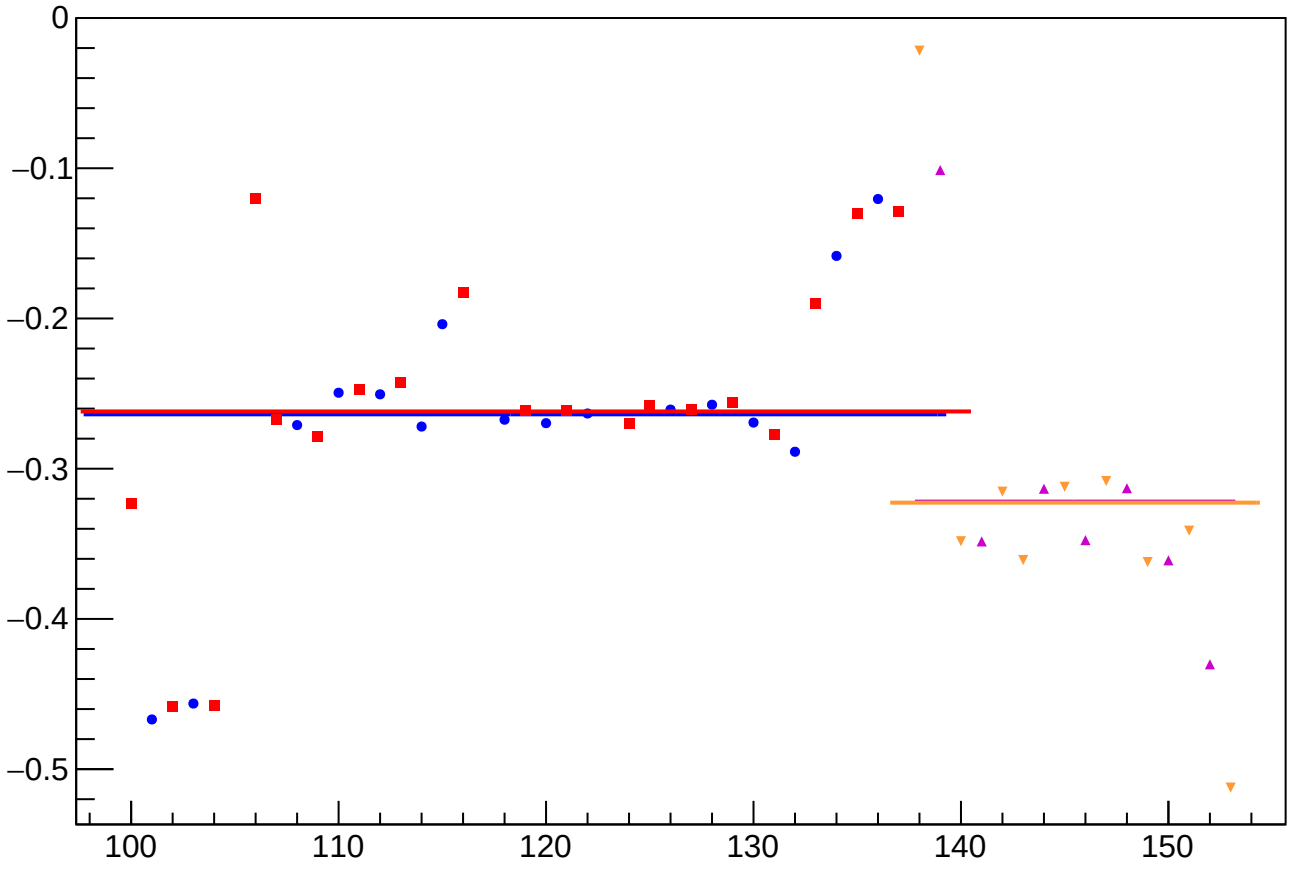
Left: 0.011+/-0.000 χ^2/NDF: 113060.7/15

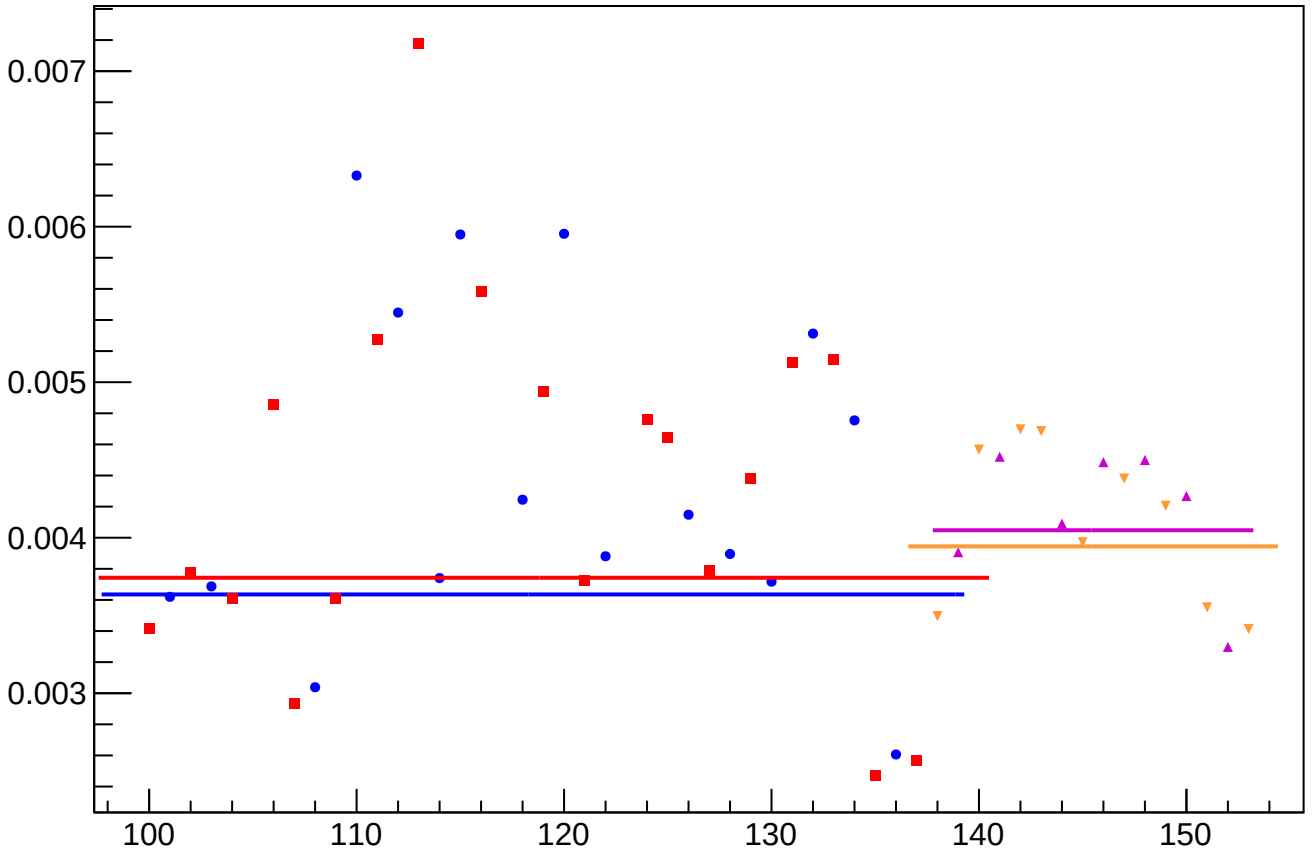
Right: 0.012+/-0.000 χ^2/NDF: 229327.8/34

In: 0.011+/-0.000 χ^2/NDF:215350.1/22

Out: 0.011+/-0.000 χ^2/NDF:258459.7/27

All: 0.011+/-0.000 χ^2/NDF: 480484.7/50


yield_bpm0l10Y_mean vs Slug, Sign Corrected
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
Right In: -0.264+/-0.000 χ²/NDF: 6106171444.3/15
Left Out: -0.323+/-0.000 χ²/NDF:7552026171.3/8
Right Out: -0.262+/-0.000 χ²/NDF: 5250043427.3/18
Left In: -0.322+/-0.000 χ²/NDF:3332704925.5/6
Left: -0.322+/-0.000 χ²/NDF: 10884813984.8/15
Right: -0.263+/-0.000 χ²/NDF: 11357011784.3/34
In: -0.288+/-0.000 χ²/NDF:10063998679.6/22
Out: -0.291+/-0.000 χ²/NDF:13556413607.2/27
All: -0.290+/-0.000 χ²/NDF: 23622578572.9/



Right In: 0.004+/-0.000 χ^2/NDF: 728598.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:178115.1/8

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

Left In: 0.004+/-0.000 χ^2/NDF:132738.0/6

Left: 0.004+/-0.000 χ^2/NDF: 314654.9/15

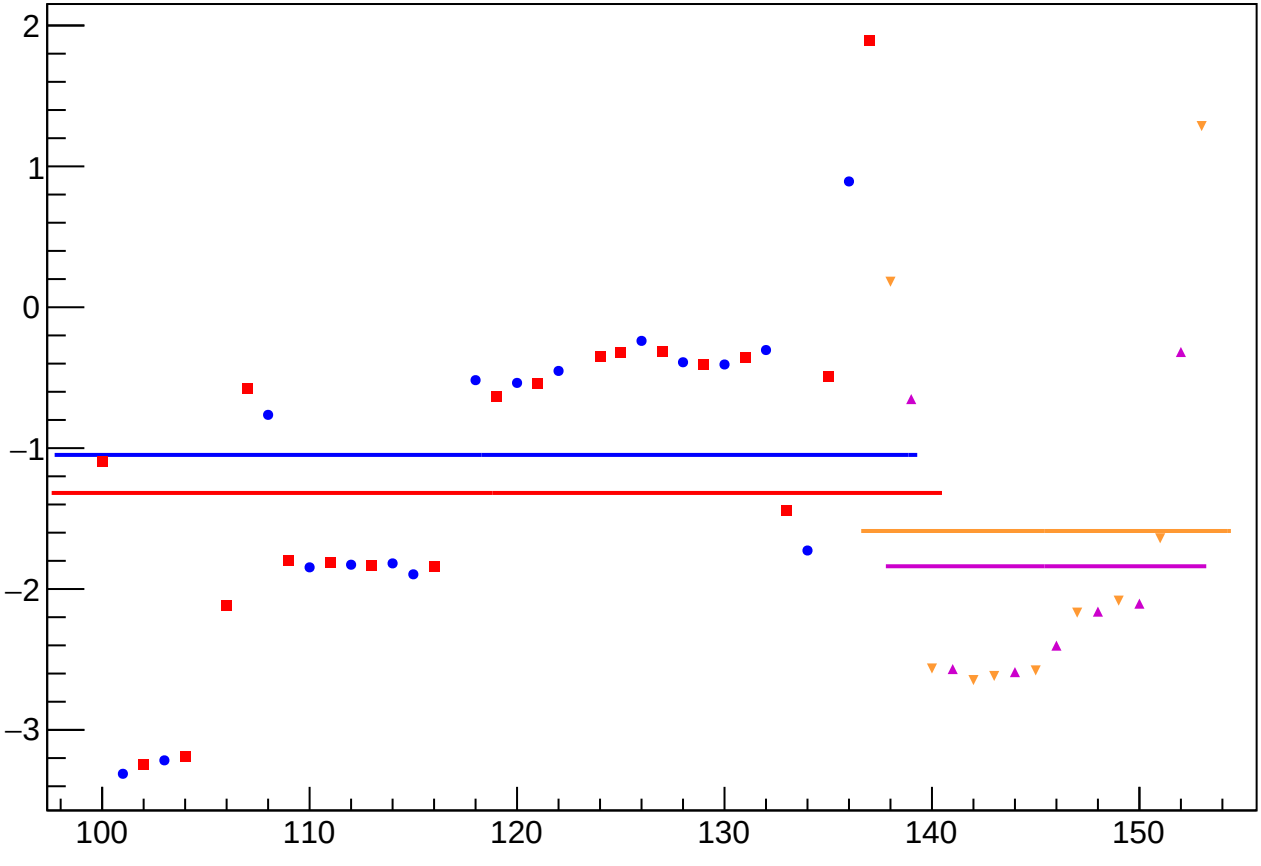
Right: 0.004+/-0.000 χ^2/NDF: 1627770.5/34

In: 0.004+/-0.000 χ^2/NDF:924415.3/22

Out: 0.004+/-0.000 χ^2/NDF:1088952.2/27

All: 0.004+/-0.000 χ^2/NDF: 2013995.4/50

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -1.588+/-0.000 χ^2/NDF:2201791377.0/8

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

Left In: -1.838+/-0.000 χ^2/NDF:779828899.6/6

Left: -1.704+/-0.000 χ^2/NDF: 3017027689.4/15

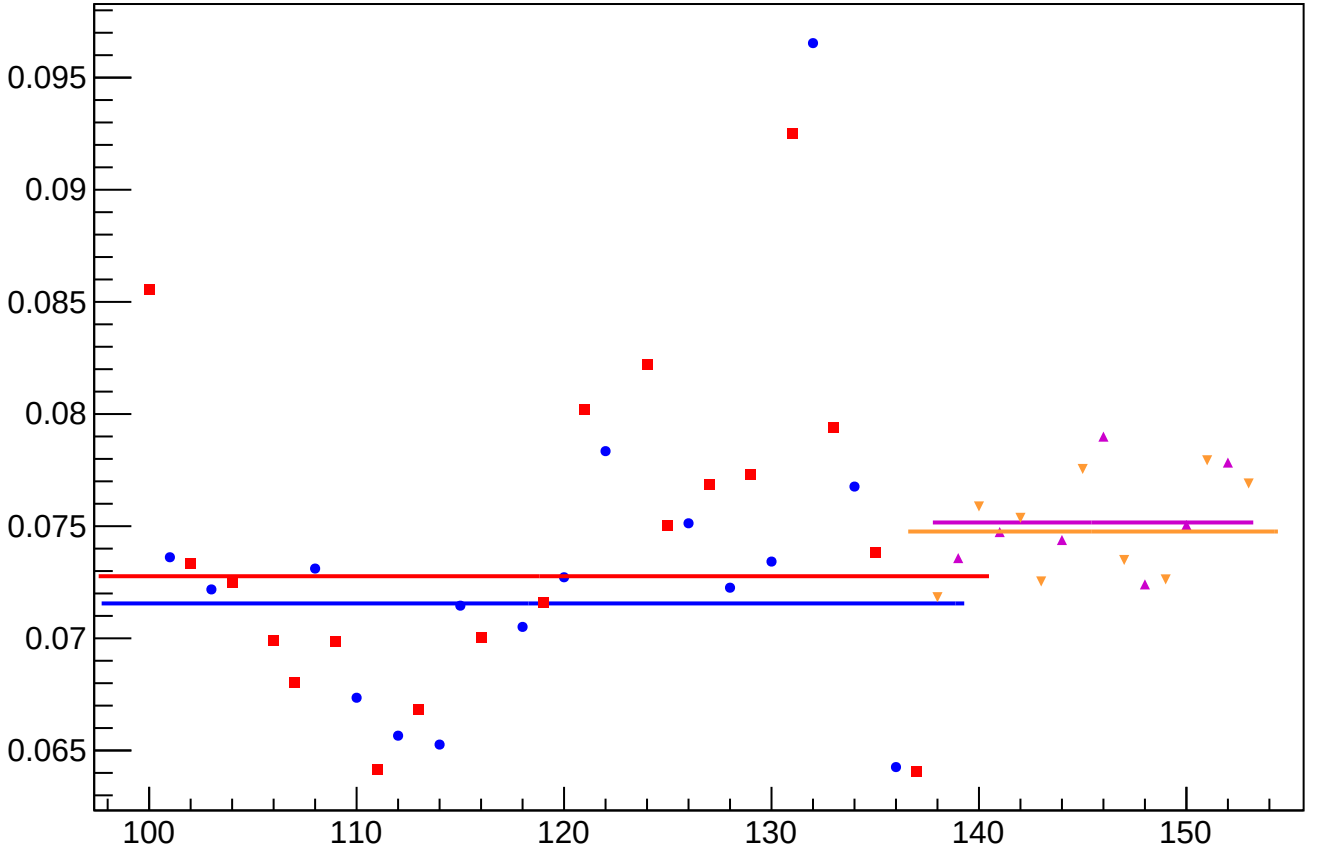
Right: -1.183+/-0.000 χ^2/NDF: 4244956360.2/34

In: -1.391+/-0.000 χ^2/NDF:3497932948.1/22

Out: -1.445+/-0.000 χ^2/NDF:4096910517.4/27

All: -1.419+/-0.000 χ^2/NDF: 7598535422.7/5

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.072+/-0.000 χ^2/NDF: 101238.7/15

Left Out: 0.075+/-0.000 χ^2/NDF:12418.4/8

Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.075+/-0.000 χ^2/NDF:9278.3/6

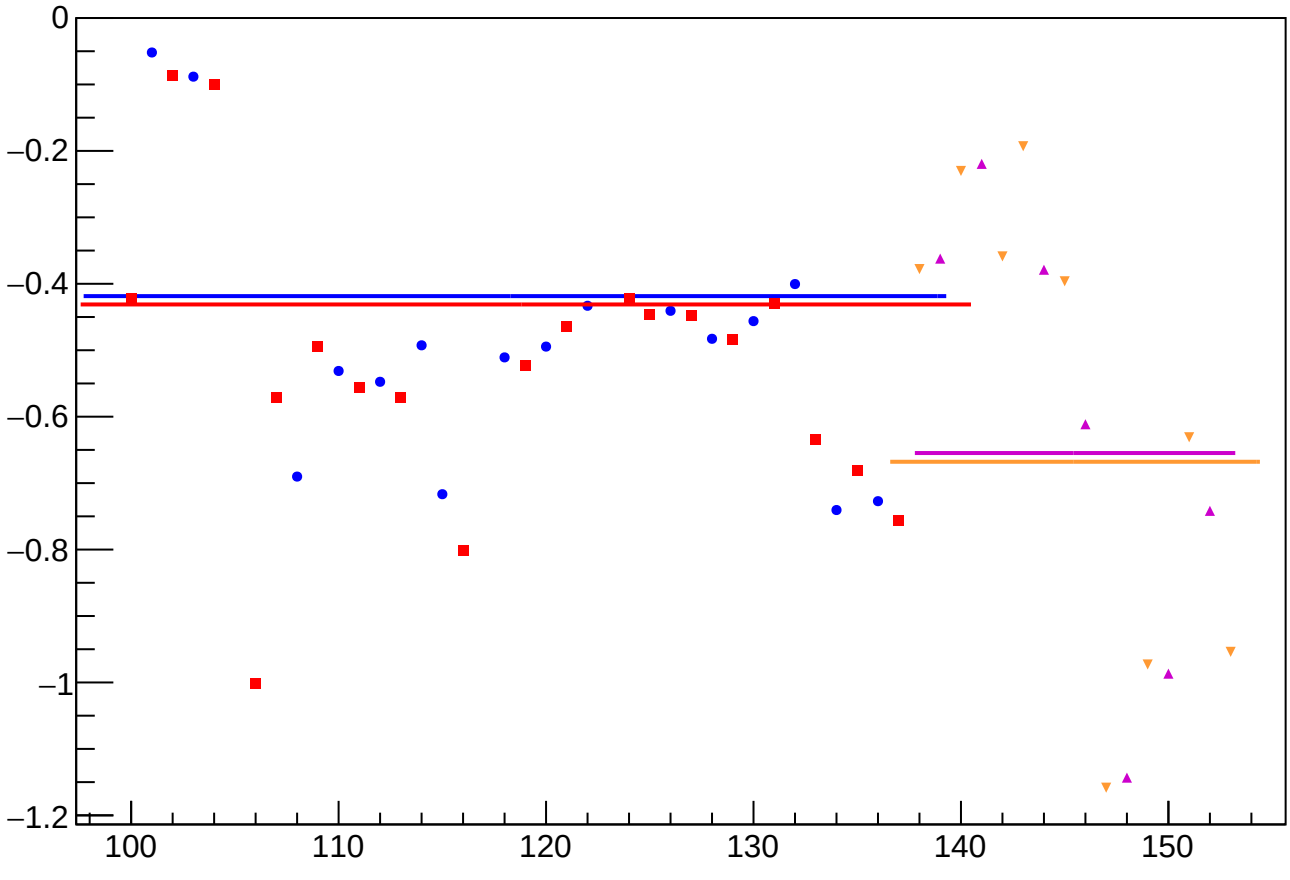
Left: 0.075+/-0.000 χ^2/NDF: 21880.1/15

Right: 0.072+/-0.000 χ^2/NDF: 200129.9/34

In: 0.073+/-0.000 χ^2/NDF:125992.2/22

Out: 0.074+/-0.000 χ^2/NDF:114427.8/27

All: 0.073+/-0.000 χ^2/NDF: 241281.5/50



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.668+/-0.000 χ^2/NDF:10939491295.4/8

Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

Left In: -0.655+/-0.000 χ^2/NDF:7784531450.7/6

Left: -0.662+/-0.000 χ^2/NDF: 18731796428.1/15

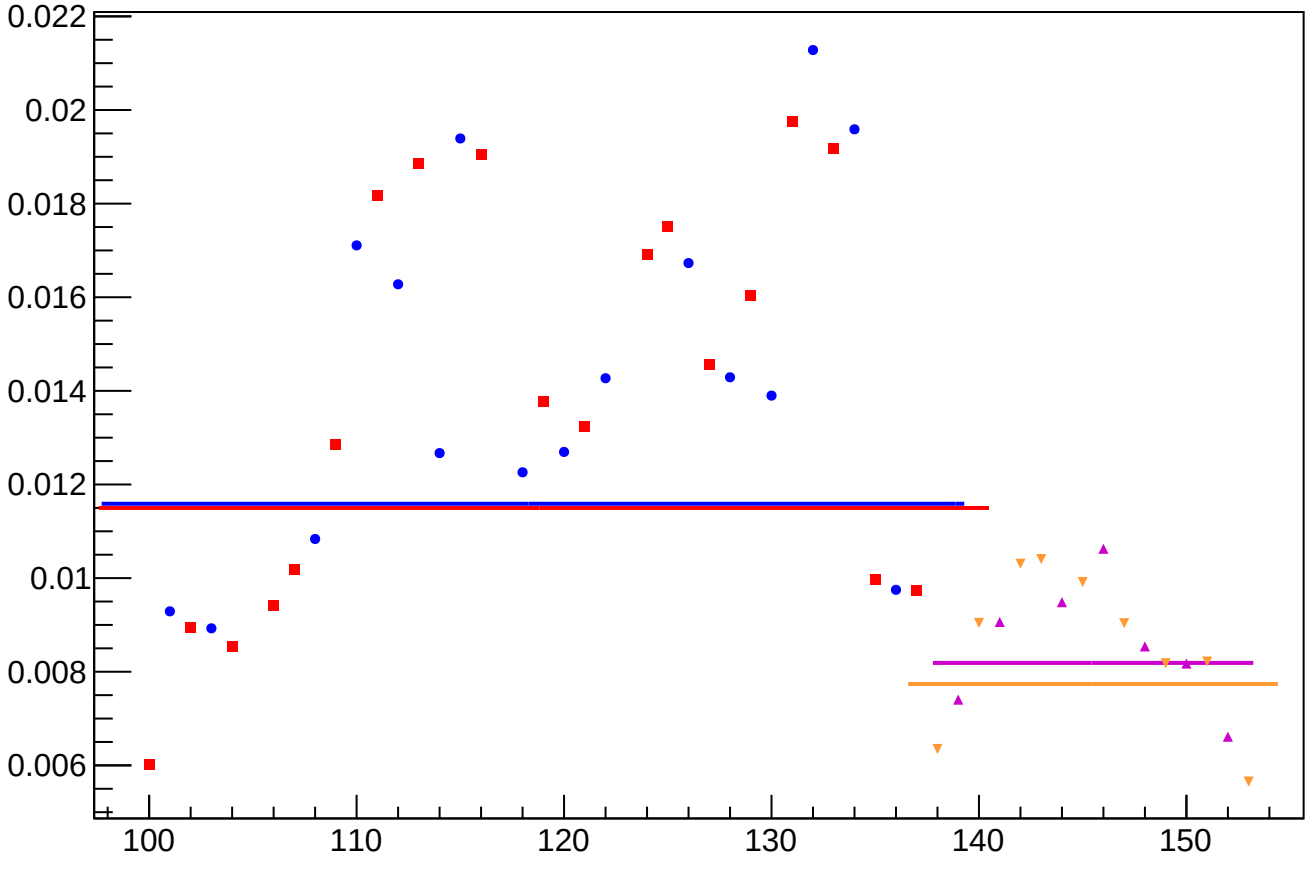
Right: -0.425+/-0.000 χ^2/NDF: 6272338159.2/34

In: -0.571+/-0.000 χ^2/NDF:12453447155.6/22

Out: -0.595+/-0.000 χ^2/NDF:15896665610.0/27

All: -0.584+/-0.000 χ^2/NDF: 28388669993.7/

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.008+/-0.000 χ^2/NDF:571456.5/8

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

Left In: 0.008+/-0.000 χ^2/NDF:232141.7/6

Left: 0.008+/-0.000 χ^2/NDF: 821888.2/15

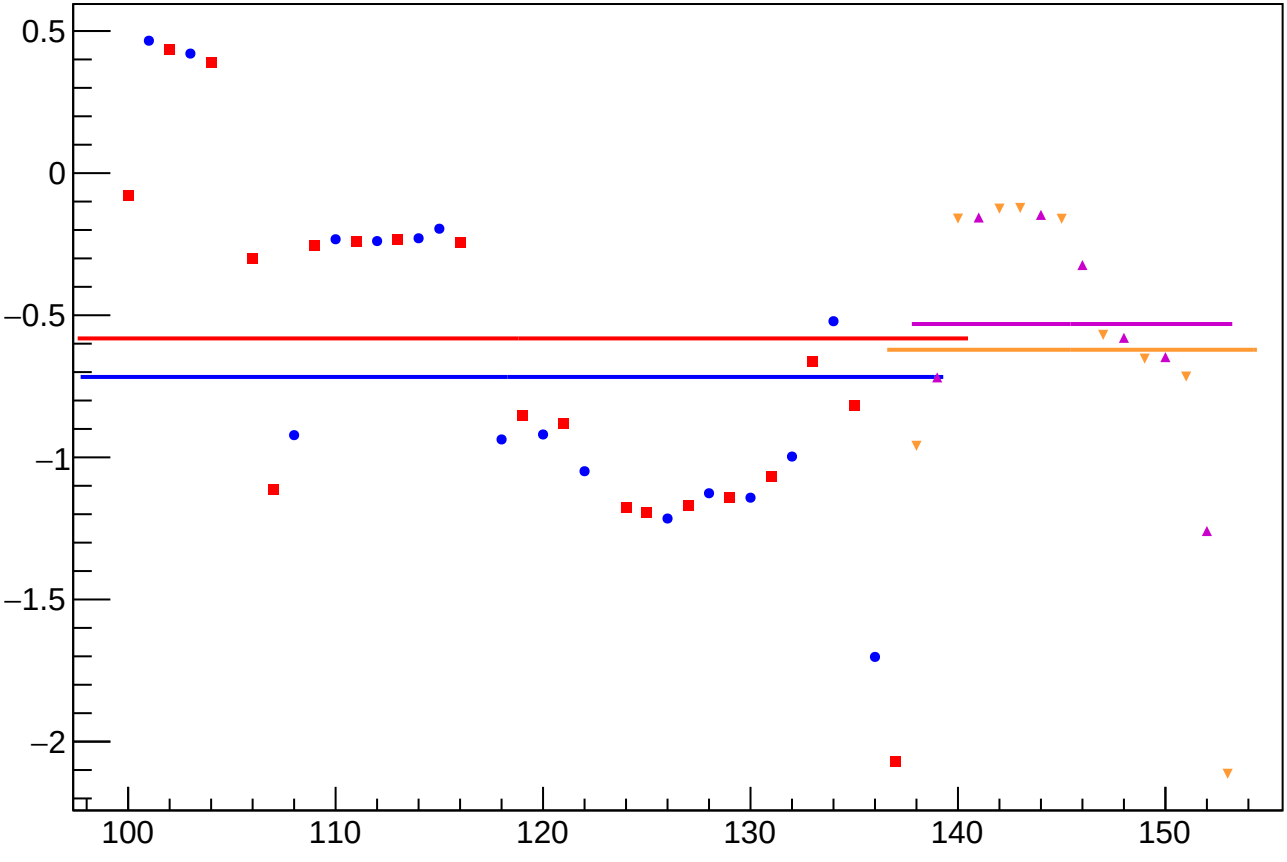
Right: 0.012+/-0.000 χ^2/NDF: 1951282.6/34

In: 0.009+/-0.000 χ^2/NDF:1680357.6/22

Out: 0.009+/-0.000 χ^2/NDF:2624537.3/27

All: 0.009+/-0.000 χ^2/NDF: 4338255.5/50

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -0.621+/-0.000 χ^2/NDF:335929413.4/8

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

Left In: -0.531+/-0.000 χ^2/NDF:106079213.7/6

Left: -0.579+/-0.000 χ^2/NDF: 445714392.0/15

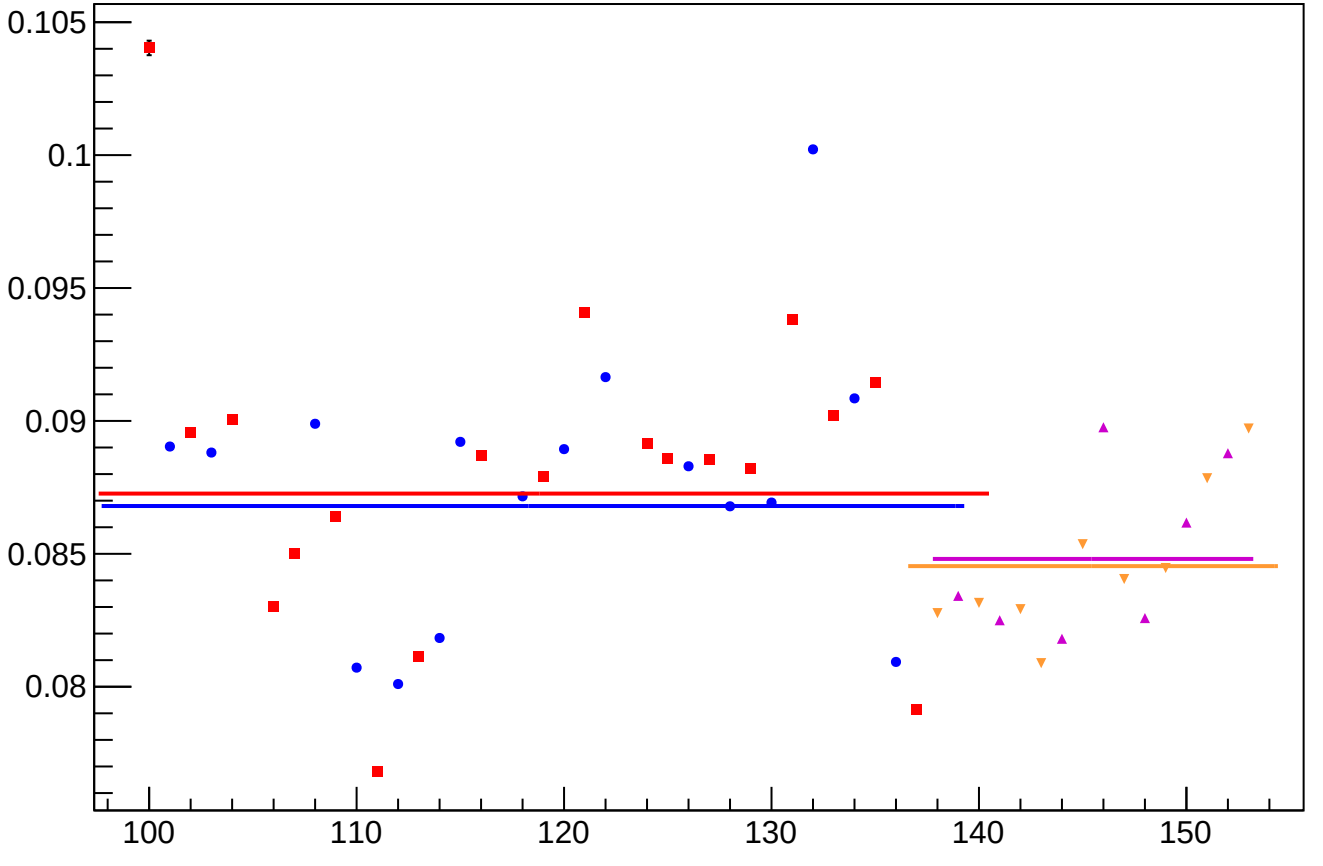
Right: -0.648+/-0.000 χ^2/NDF: 788347373.4/34

In: -0.630+/-0.000 χ^2/NDF:559007477.7/22

Out: -0.601+/-0.000 χ^2/NDF:678767089.5/27

All: -0.615+/-0.000 χ^2/NDF: 1238518676.8/5

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.085+/-0.000 χ^2/NDF:12813.7/8

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

Left In: 0.085+/-0.000 χ^2/NDF:14669.9/6

Left: 0.085+/-0.000 χ^2/NDF: 27549.8/15

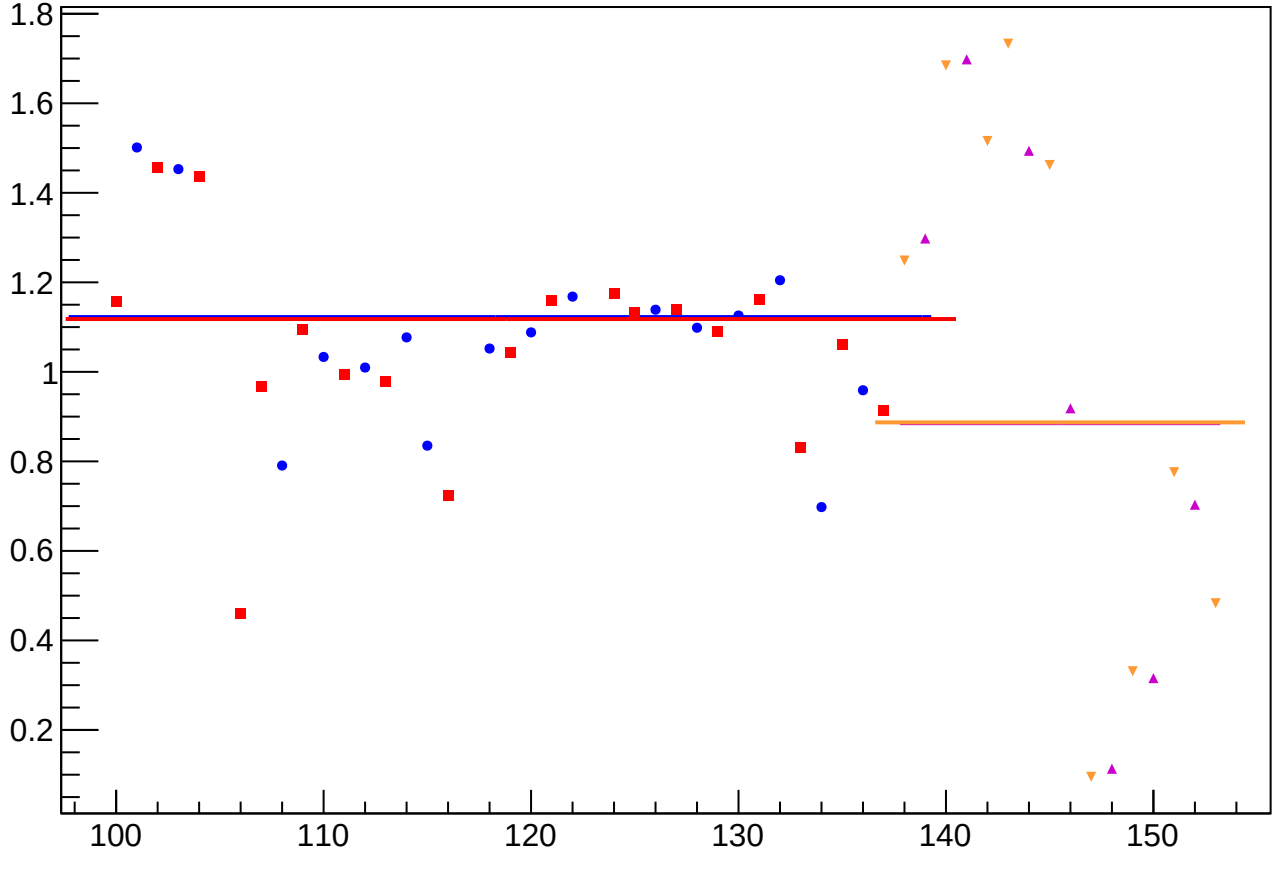
Right: 0.087+/-0.000 χ^2/NDF: 89950.5/34

In: 0.086+/-0.000 χ^2/NDF:61787.6/22

Out: 0.086+/-0.000 χ^2/NDF:66242.1/27

All: 0.086+/-0.000 χ^2/NDF: 128032.7/50

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 0.887+/-0.000 χ^2/NDF:21327786538.9/8

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

Left In: 0.885+/-0.000 χ^2/NDF:16211244319.9/6

Left: 0.886+/-0.000 χ^2/NDF: 37539127835.9/15

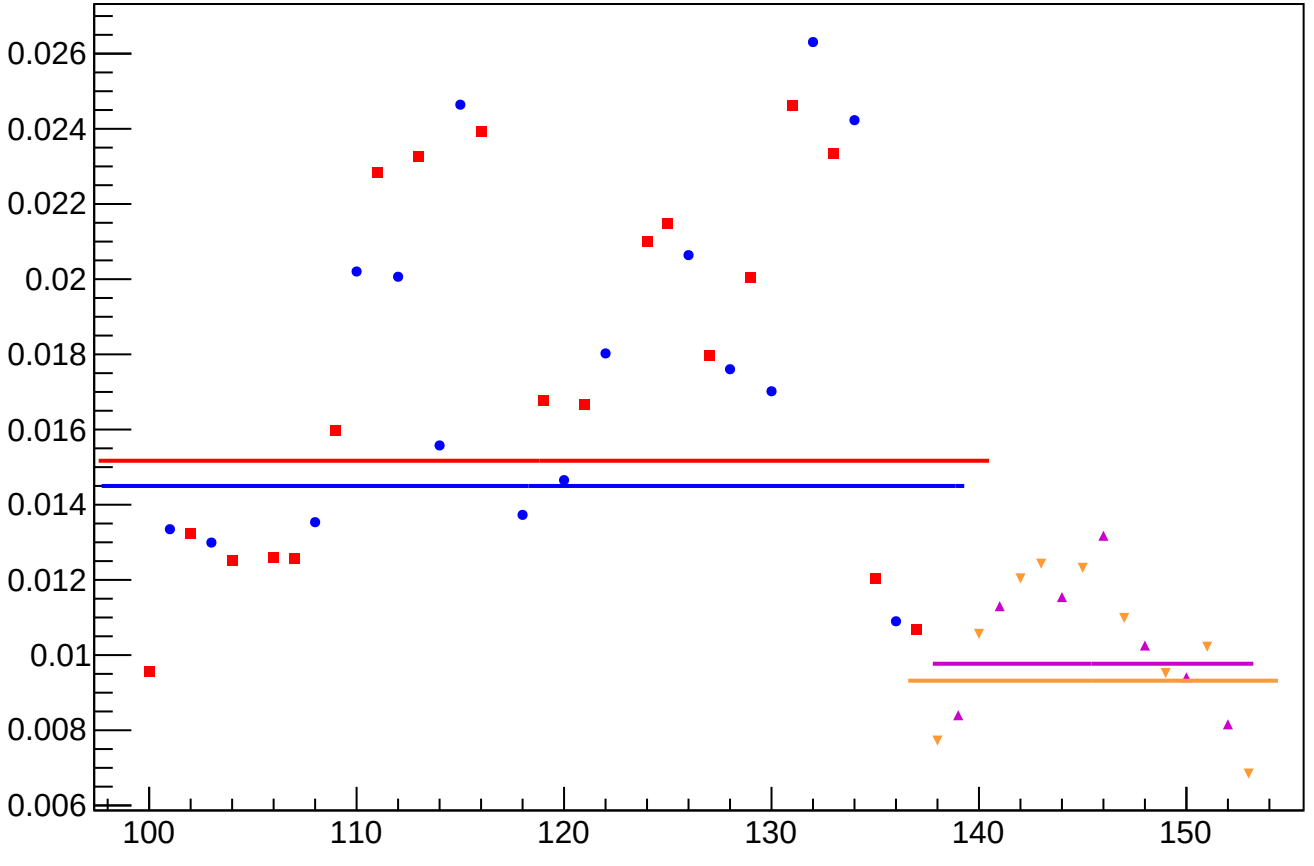
Right: 1.120+/-0.000 χ^2/NDF: 3024831149.0/34

In: 0.964+/-0.000 χ^2/NDF:18730486629.5/22

Out: 0.950+/-0.000 χ^2/NDF:23932742067.4/27

All: 0.957+/-0.000 χ^2/NDF: 42672463855.3/5

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 710345.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:561117.0/8

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

Left In: 0.010+/-0.000 χ^2/NDF:276838.9/6

Left: 0.010+/-0.000 χ^2/NDF: 850842.6/15

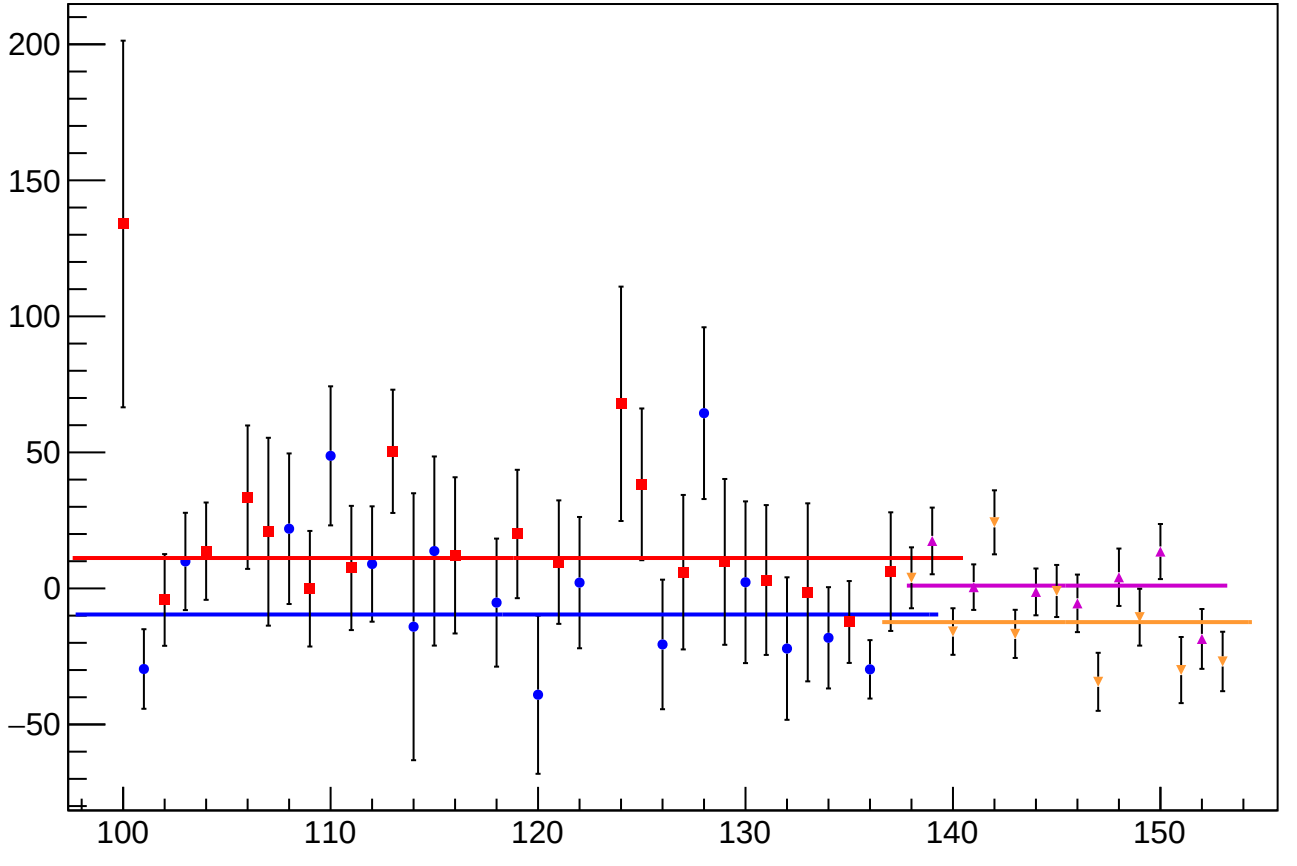
Right: 0.015+/-0.000 χ^2/NDF: 1587355.3/34

In: 0.011+/-0.000 χ^2/NDF:1835320.2/22

Out: 0.011+/-0.000 χ^2/NDF:2754353.3/27

All: 0.011+/-0.000 χ^2/NDF: 4606671.8/50

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -12.381+/-3.417 χ^2/NDF:21.8/8

Right Out: 11.177+/-5.497 χ^2/NDF: 13.9/18

Left In: 1.029+/-3.769 χ^2/NDF:7.0/6

Left: -6.331+/-2.531 χ^2/NDF: 35.8/15

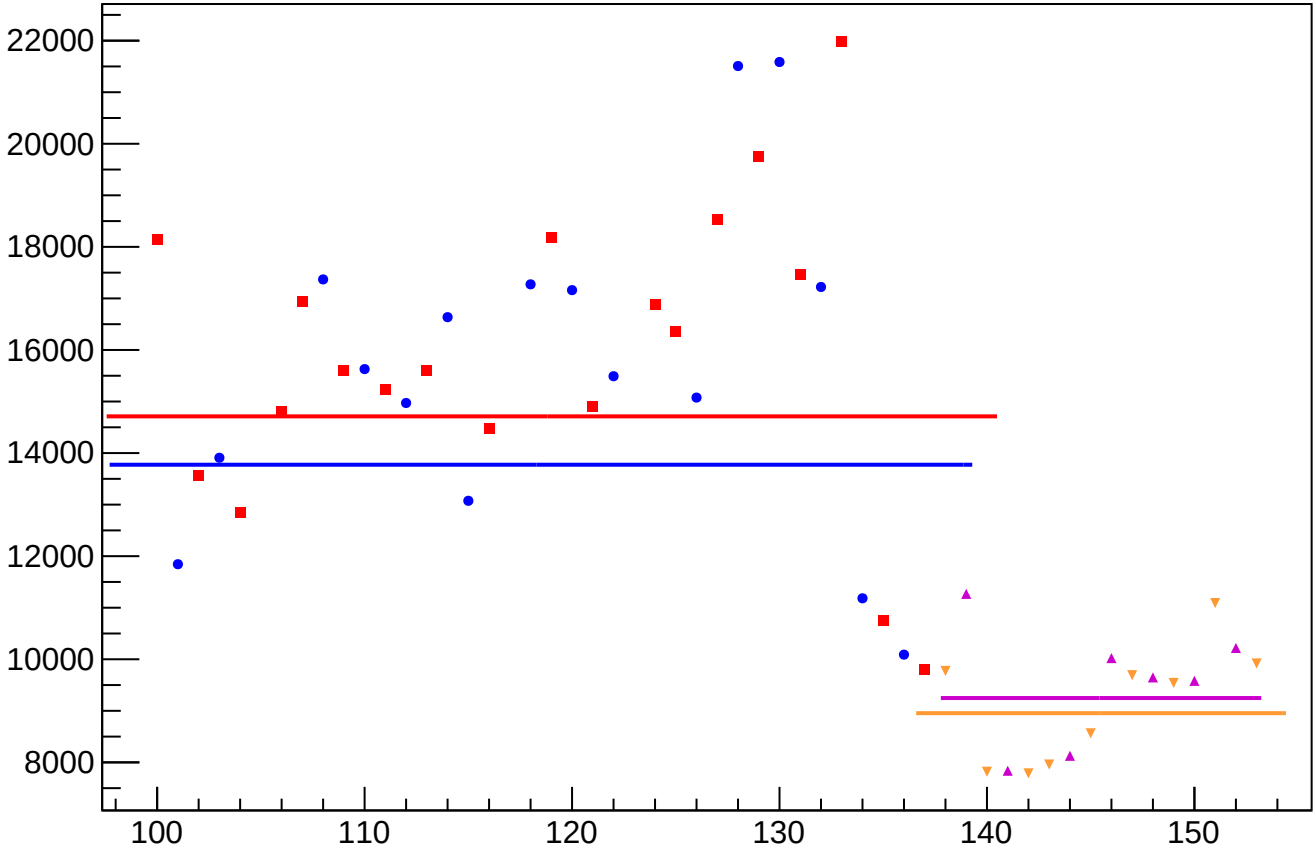
Right: 0.401+/-3.812 χ^2/NDF: 43.2/34

In: -2.543+/-3.070 χ^2/NDF:31.6/22

Out: -5.815+/-2.902 χ^2/NDF:48.9/27

All: -4.271+/-2.109 χ^2/NDF: 81.1/50

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 8954.342+/-2.416 χ^2/NDF:187602.4/8

Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

Left In: 9248.263+/-2.665 χ^2/NDF:176427.8/6

Left: 9086.945+/-1.790 χ^2/NDF: 370706.2/15

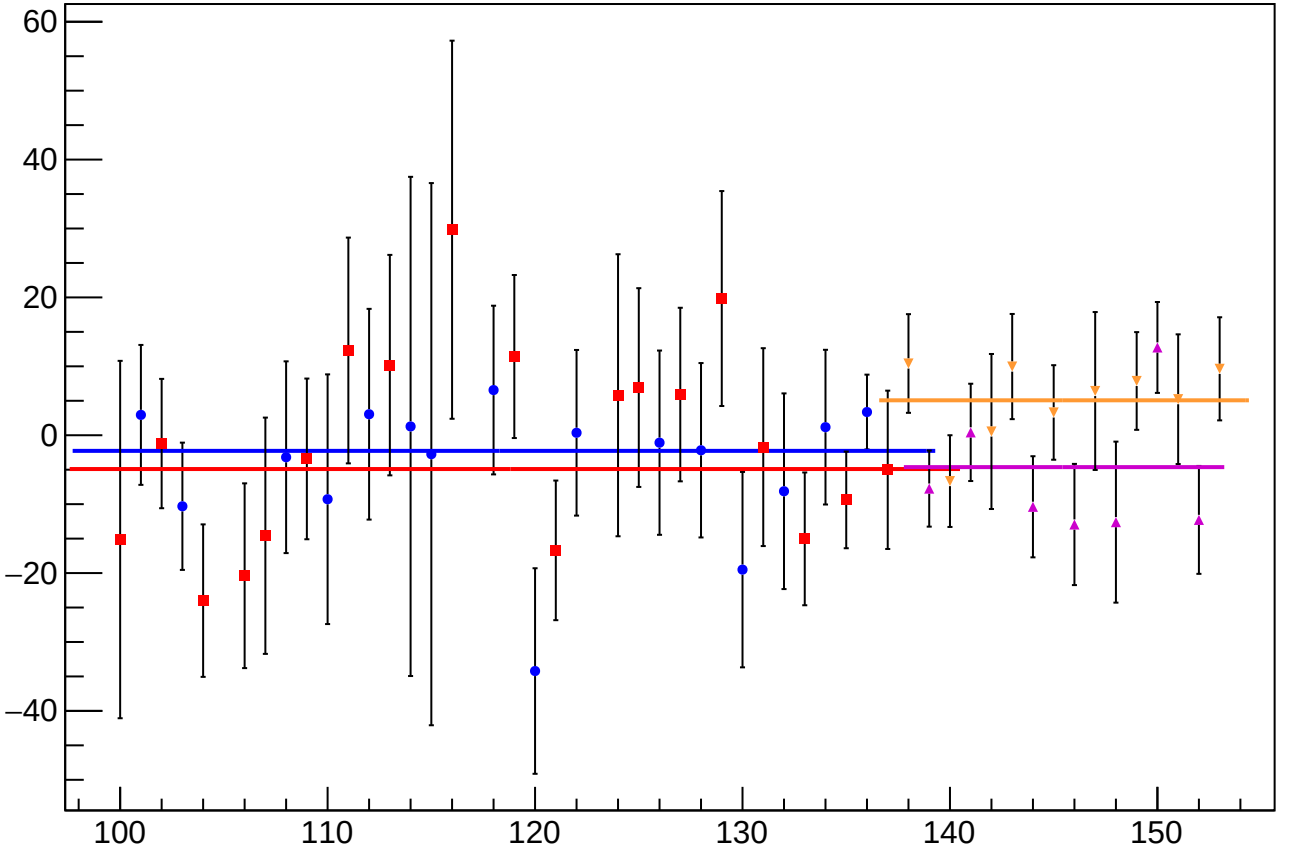
Right: 14225.090+/-2.695 χ^2/NDF: 1335141.9/34

In: 10771.751+/-2.171 χ^2/NDF:1894780.2/22

Out: 10559.055+/-2.052 χ^2/NDF:2327578.1/27

All: 10659.438+/-1.491 χ^2/NDF: 4227428.6/5

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 5.069+/-2.625 χ^2/NDF:4.8/8

Right Out: -4.904+/-2.836 χ^2/NDF: 17.6/18

Left In: -4.626+/-2.763 χ^2/NDF:10.7/6

Left: 0.469+/-1.903 χ^2/NDF: 22.0/15

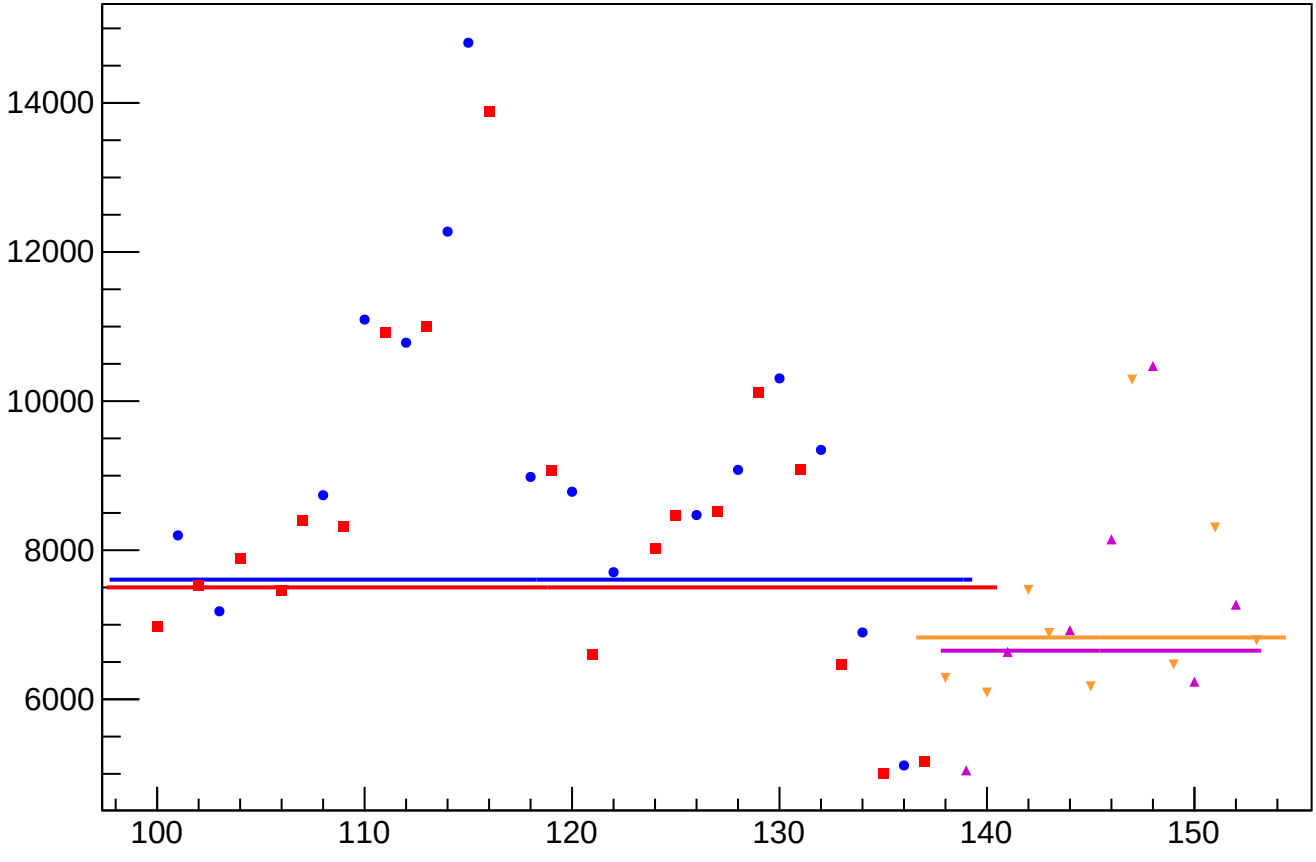
Right: -3.625+/-2.035 χ^2/NDF: 27.3/34

In: -3.512+/-2.008 χ^2/NDF:20.3/22

Out: 0.466+/-1.927 χ^2/NDF:29.1/27

All: -1.441+/-1.390 χ^2/NDF: 51.5/50

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6829.391+/-1.856 χ^2/NDF:297732.3/8

Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

Left In: 6652.013+/-1.954 χ^2/NDF:463623.9/6

Left: 6745.227+/-1.346 χ^2/NDF: 765688.2/15

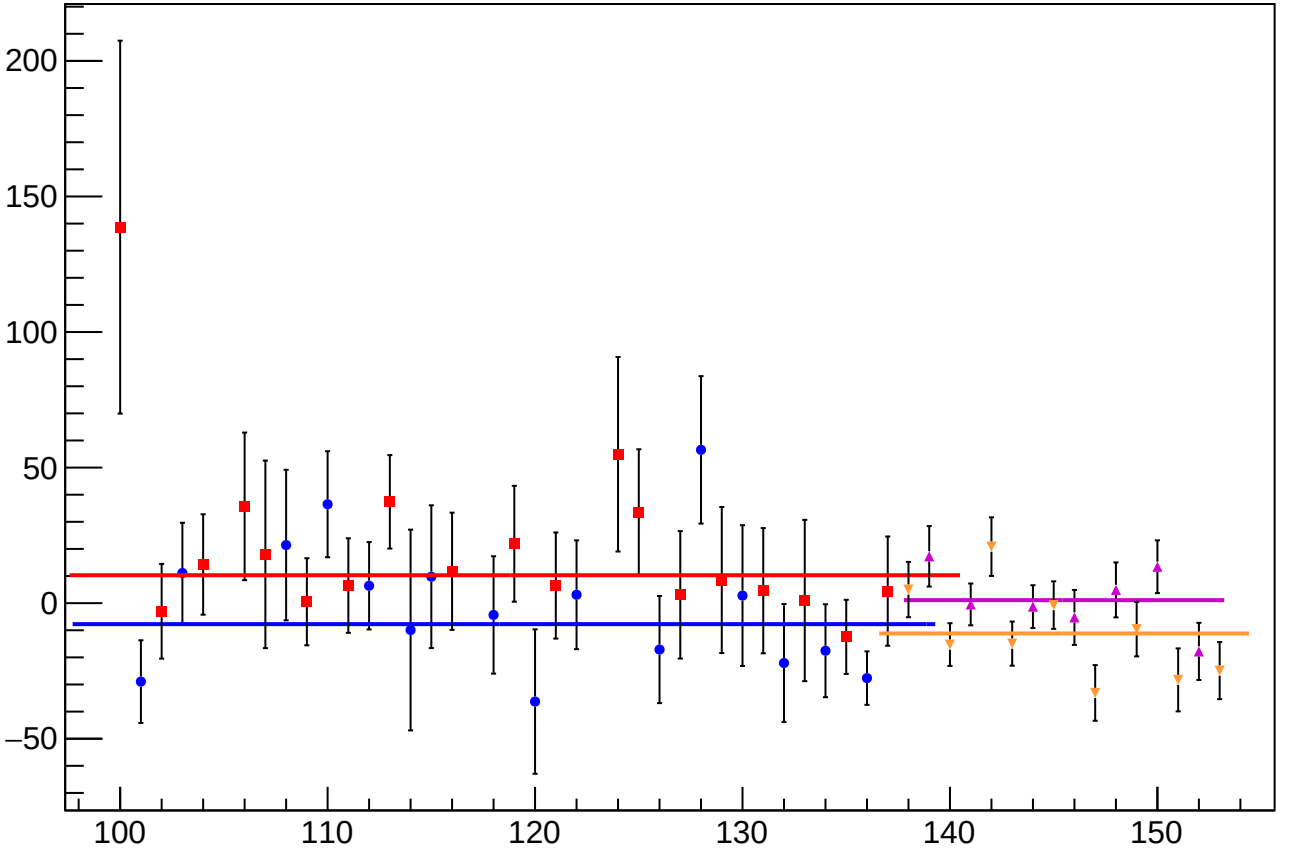
Right: 7552.053+/-1.439 χ^2/NDF: 1716360.9/34

In: 7102.179+/-1.420 χ^2/NDF:1467599.6/22

Out: 7139.577+/-1.362 χ^2/NDF:1181786.9/27

All: 7121.648+/-0.983 χ^2/NDF: 2649747.7/5

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -11.177+/-3.191 χ^2/NDF:21.7/8

Right Out: 10.307+/-4.840 χ^2/NDF: 13.9/18

Left In: 1.107+/-3.537 χ^2/NDF:7.6/6

Left: -5.666+/-2.369 χ^2/NDF: 35.9/15

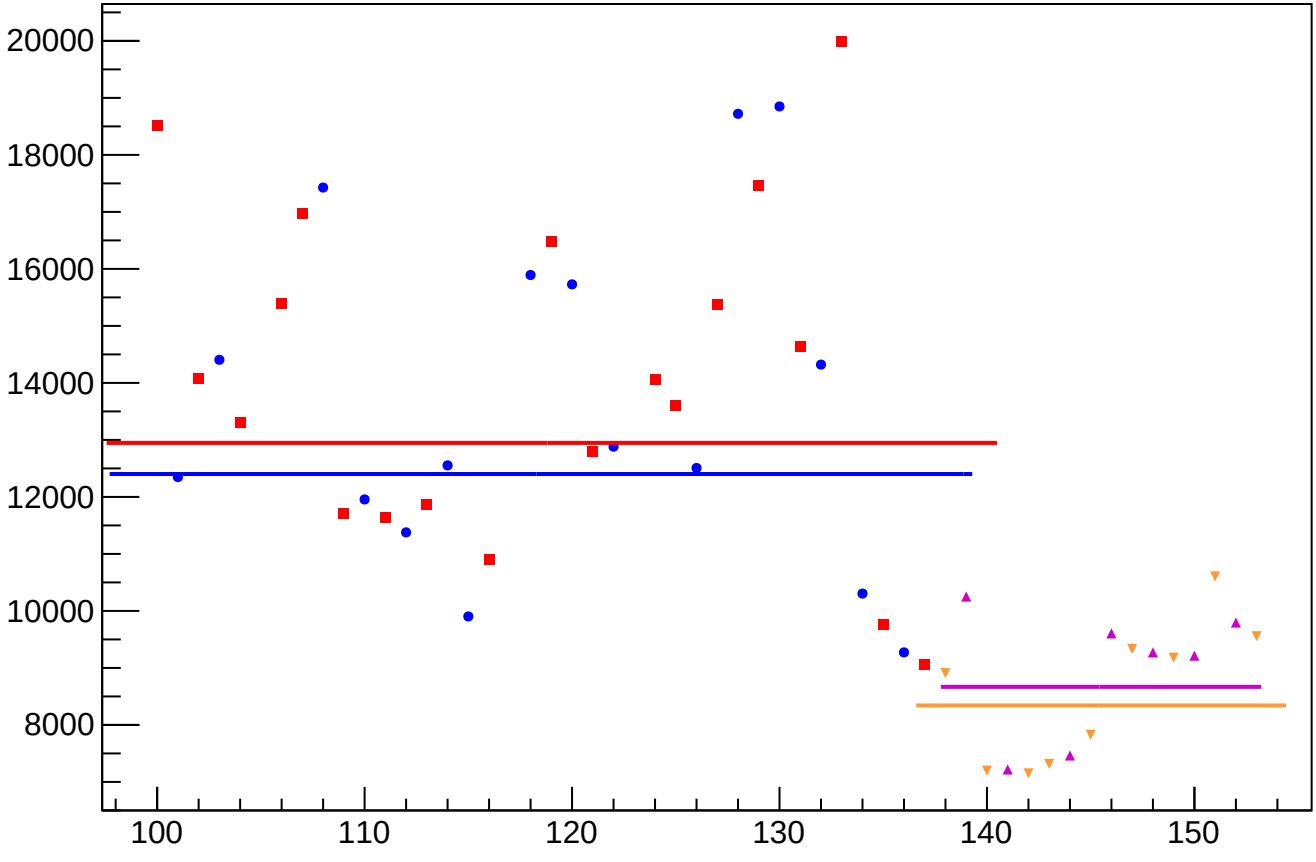
Right: 1.111+/-3.389 χ^2/NDF: 43.7/34

In: -2.051+/-2.837 χ^2/NDF:32.5/22

Out: -4.668+/-2.664 χ^2/NDF:49.3/27

All: -3.441+/-1.942 χ^2/NDF: 82.3/50

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 8341.769+/-2.256 χ^2/NDF:246273.8/8

Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

Left In: 8667.795+/-2.501 χ^2/NDF:211058.1/6

Left: 8488.038+/-1.675 χ^2/NDF: 466700.0/15

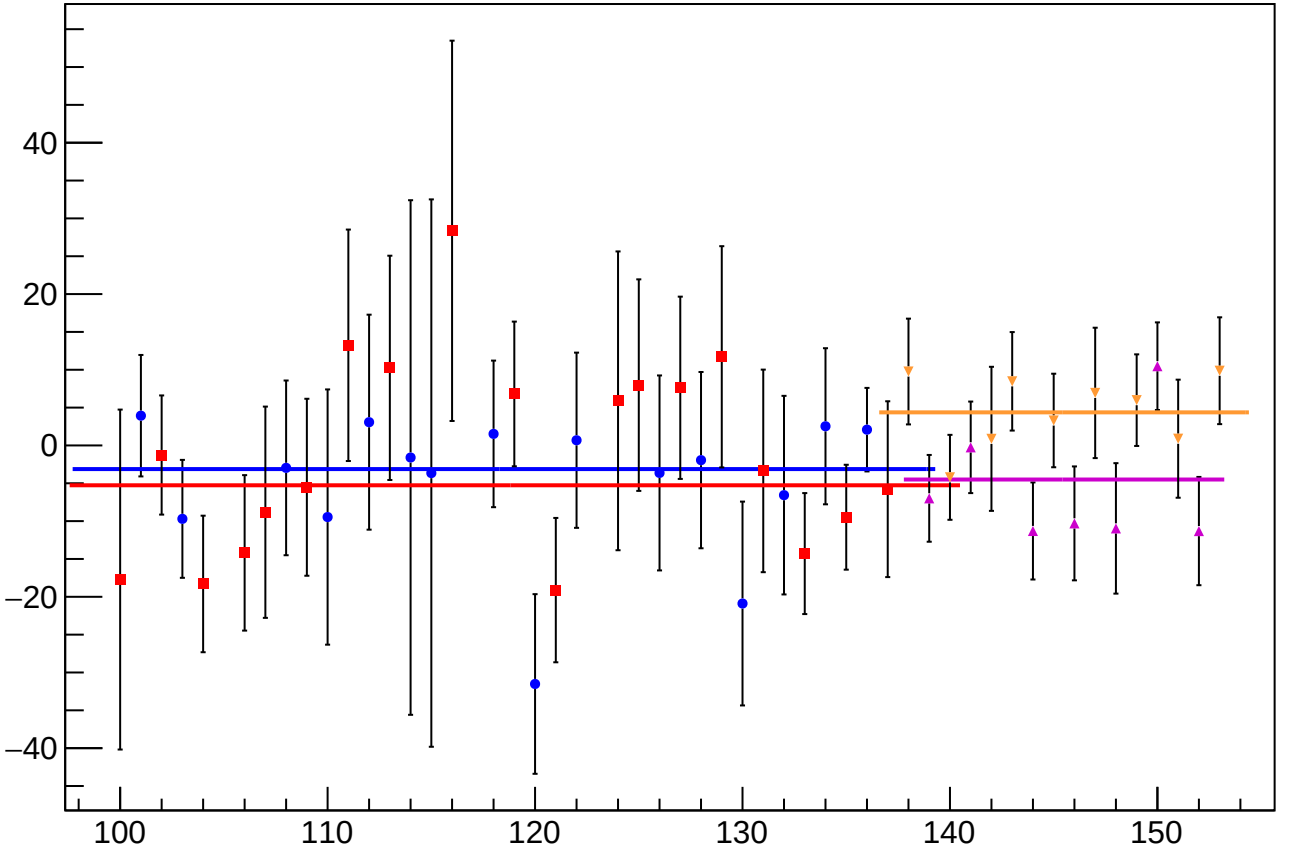
Right: 12669.304+/-2.397 χ^2/NDF: 1246455.4/34

In: 10000.443+/-2.006 χ^2/NDF:1684797.9/22

Out: 9737.085+/-1.884 χ^2/NDF:2063864.2/27

All: 9860.503+/-1.373 χ^2/NDF: 3757822.6/50

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 4.370+/-2.292 χ^2/NDF:4.5/8

Right Out: -5.265+/-2.553 χ^2/NDF: 16.9/18

Left In: -4.503+/-2.480 χ^2/NDF:10.6/6

Left: 0.283+/-1.683 χ^2/NDF: 21.9/15

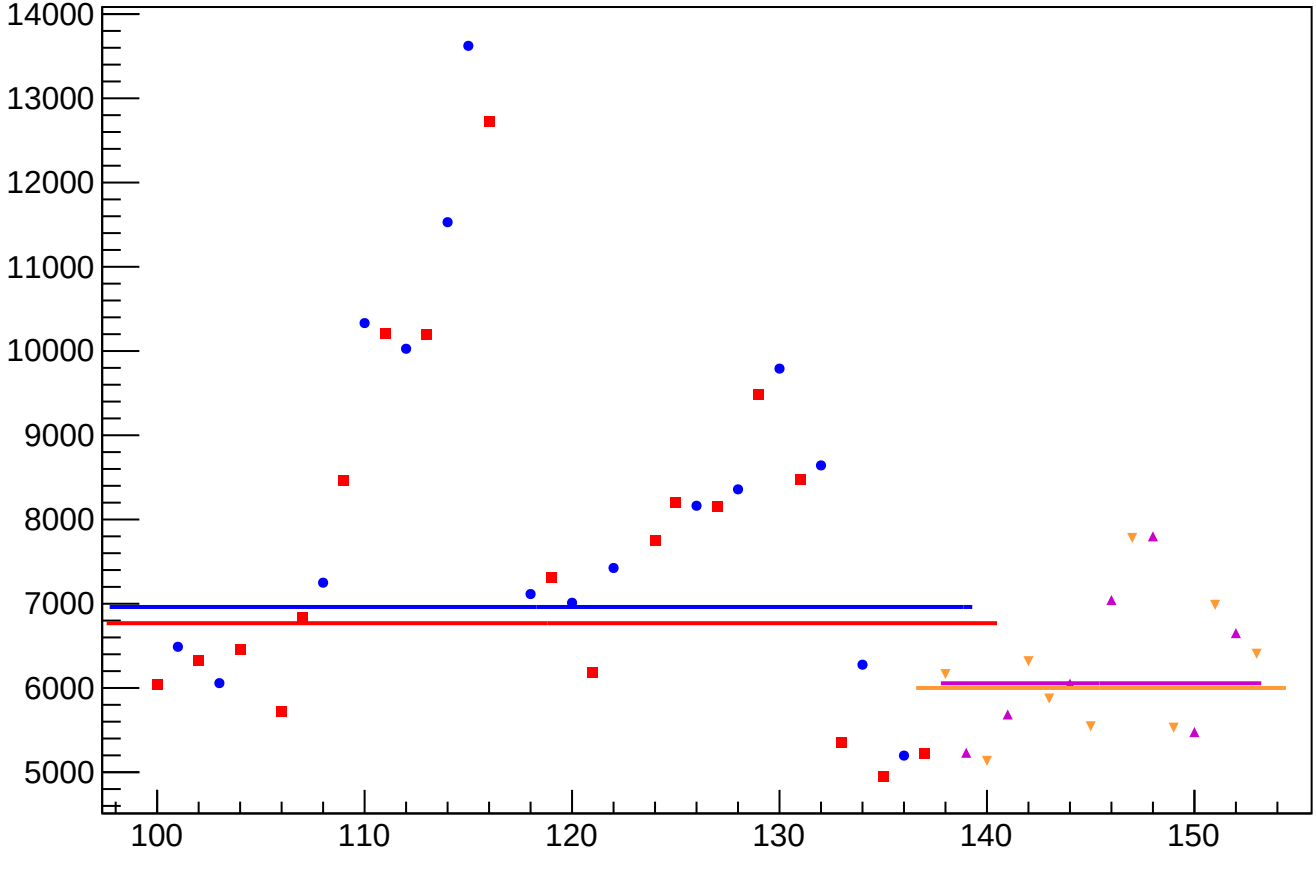
Right: -4.236+/-1.840 χ^2/NDF: 28.1/34

In: -3.860+/-1.813 χ^2/NDF:21.6/22

Out: 0.070+/-1.706 χ^2/NDF:29.3/27

All: -1.776+/-1.242 χ^2/NDF: 53.4/50

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 6000.032+/-1.621 χ^2/NDF:198739.3/8

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

Left In: 6055.808+/-1.754 χ^2/NDF:199174.3/6

Left: 6025.726+/-1.190 χ^2/NDF: 398459.2/15

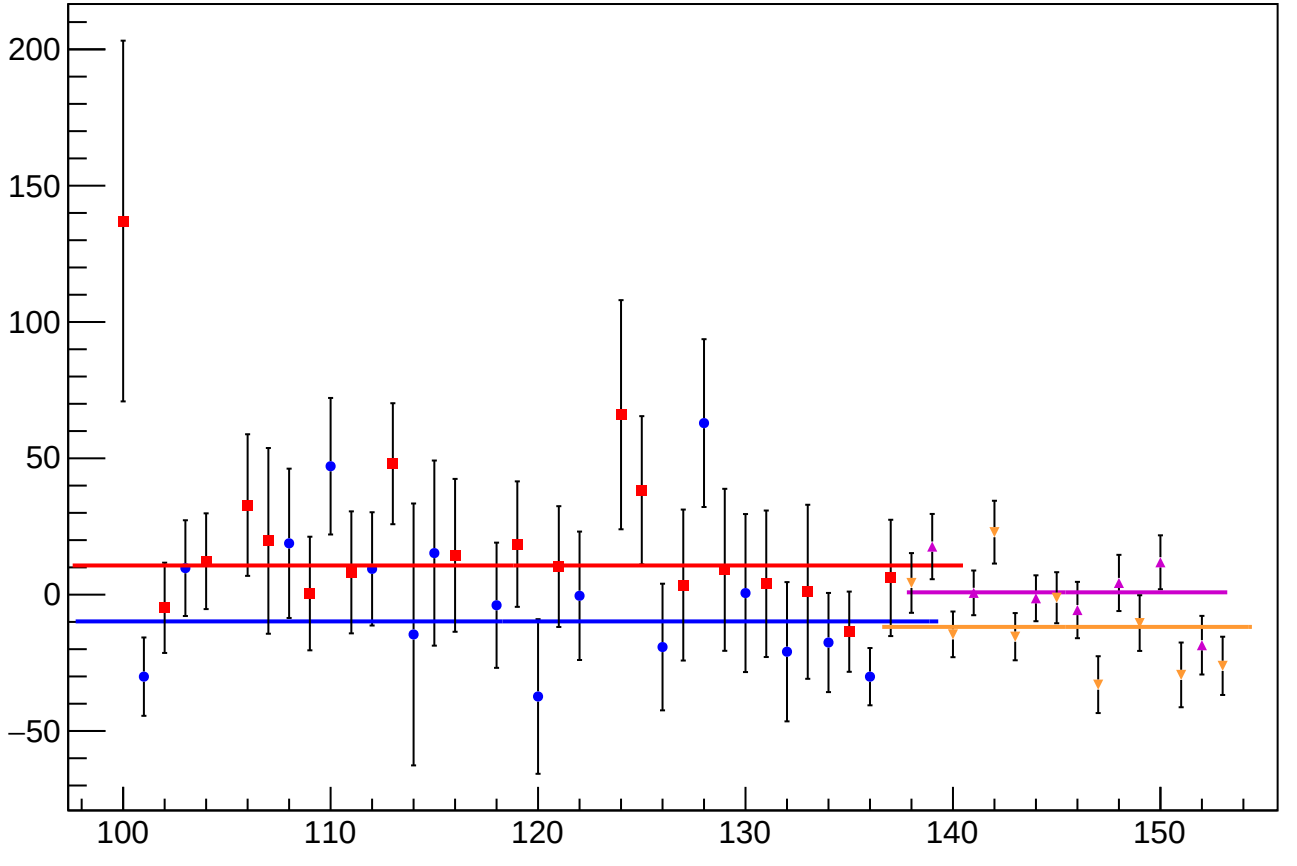
Right: 6861.506+/-1.301 χ^2/NDF: 1499983.0/34

In: 6477.774+/-1.282 χ^2/NDF:1019866.7/22

Out: 6343.207+/-1.206 χ^2/NDF:1097307.5/27

All: 6406.401+/-0.878 χ^2/NDF: 2123020.9/50

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -11.828+/-3.342 χ^2/NDF:21.0/8

Right Out: 10.703+/-5.381 χ^2/NDF: 14.3/18

Left In: 0.852+/-3.685 χ^2/NDF:7.0/6

Left: -6.106+/-2.476 χ^2/NDF: 34.5/15

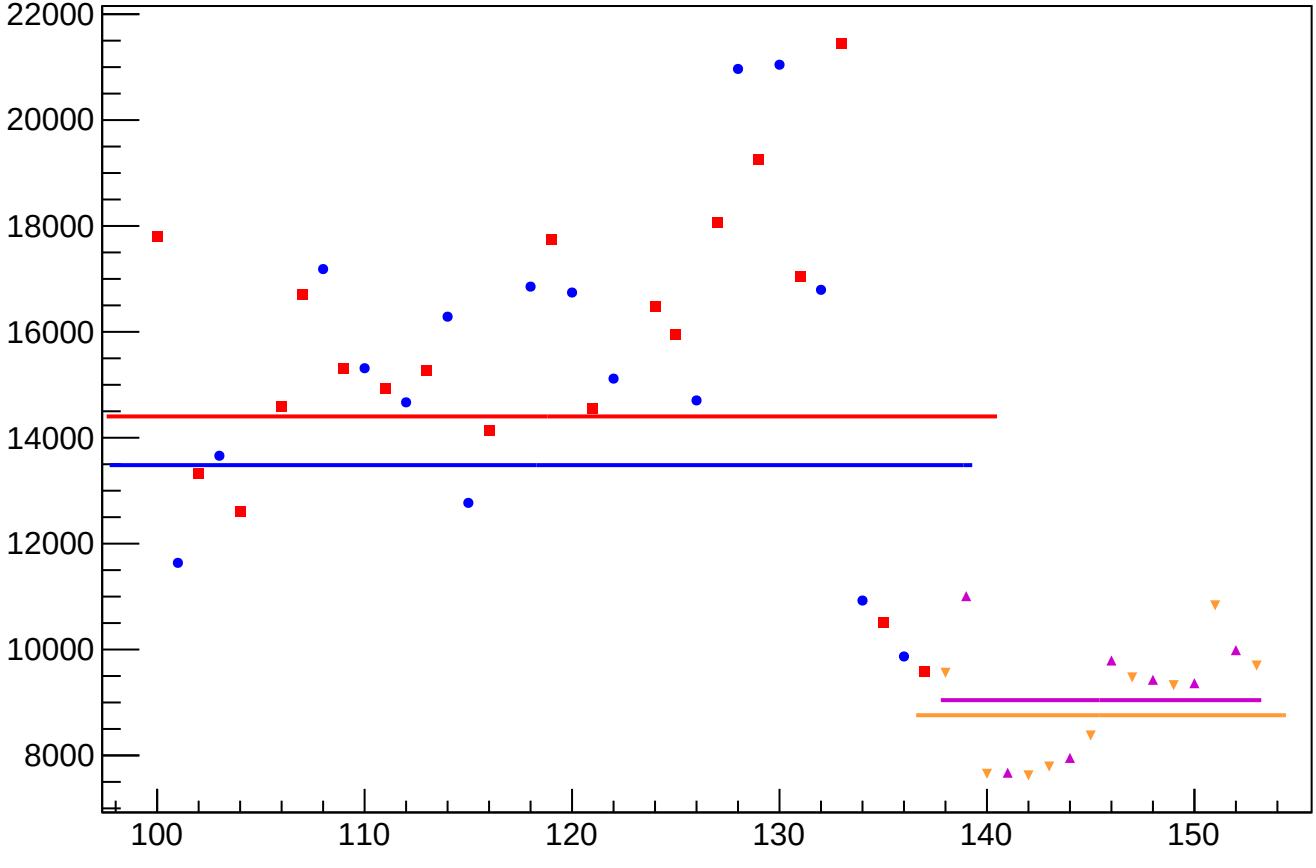
Right: 0.053+/-3.731 χ^2/NDF: 43.9/34

In: -2.733+/-3.002 χ^2/NDF:31.9/22

Out: -5.555+/-2.839 χ^2/NDF:47.9/27

All: -4.223+/-2.063 χ^2/NDF: 80.3/50

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8759.497+/-2.363 χ^2/NDF:185532.4/8

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

Left In: 9043.956+/-2.606 χ^2/NDF:174231.9/6

Left: 8887.876+/-1.751 χ^2/NDF: 366302.8/15

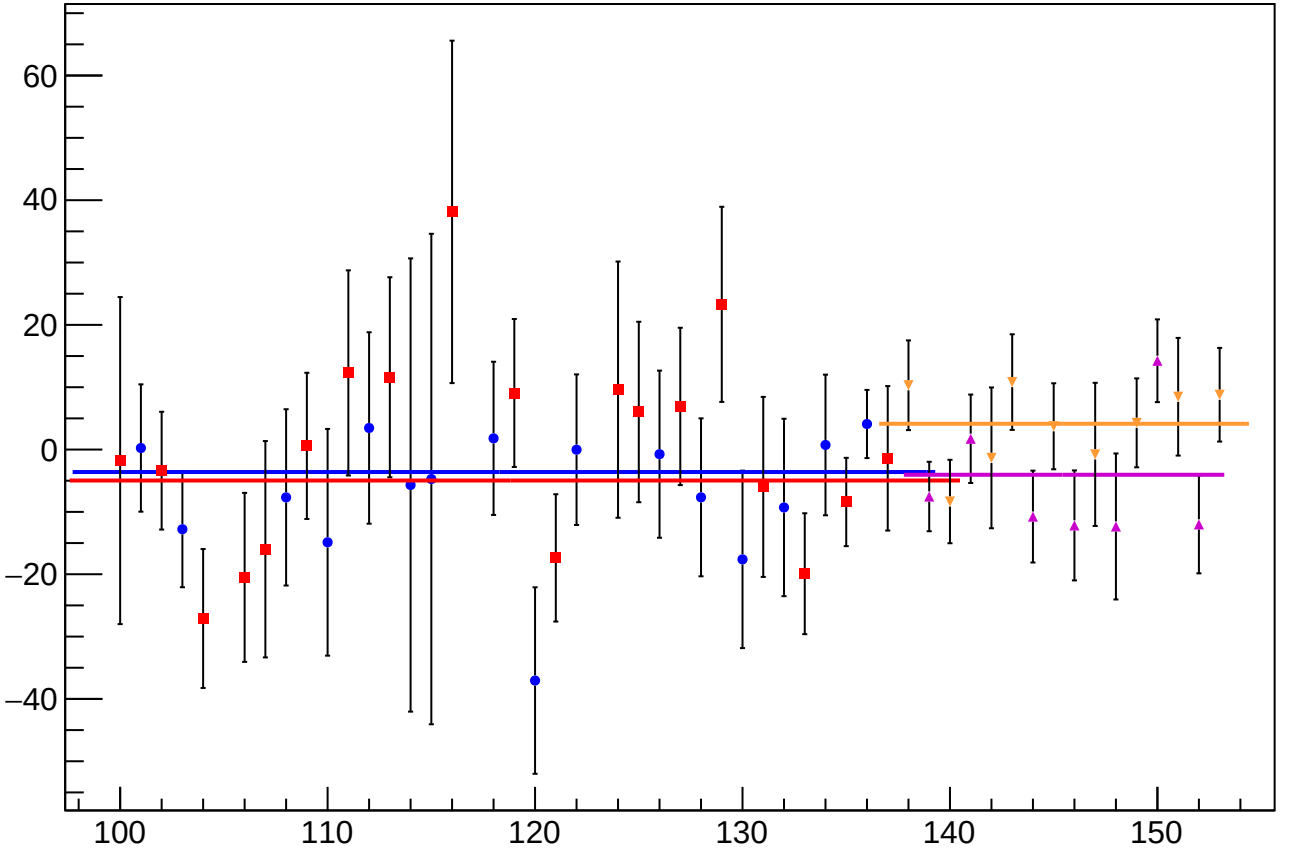
Right: 13925.139+/-2.638 χ^2/NDF: 1326477.7/34

In: 10536.378+/-2.123 χ^2/NDF:1893554.8/22

Out: 10330.641+/-2.008 χ^2/NDF:2325431.7/27

All: 10427.760+/-1.459 χ^2/NDF: 4223944.4/5

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 4.137+/-2.638 χ^2/NDF:6.0/8

Right Out: -4.965+/-2.855 χ^2/NDF: 21.4/18

Left In: -4.045+/-2.778 χ^2/NDF:11.9/6

Left: 0.257+/-1.913 χ^2/NDF: 22.4/15

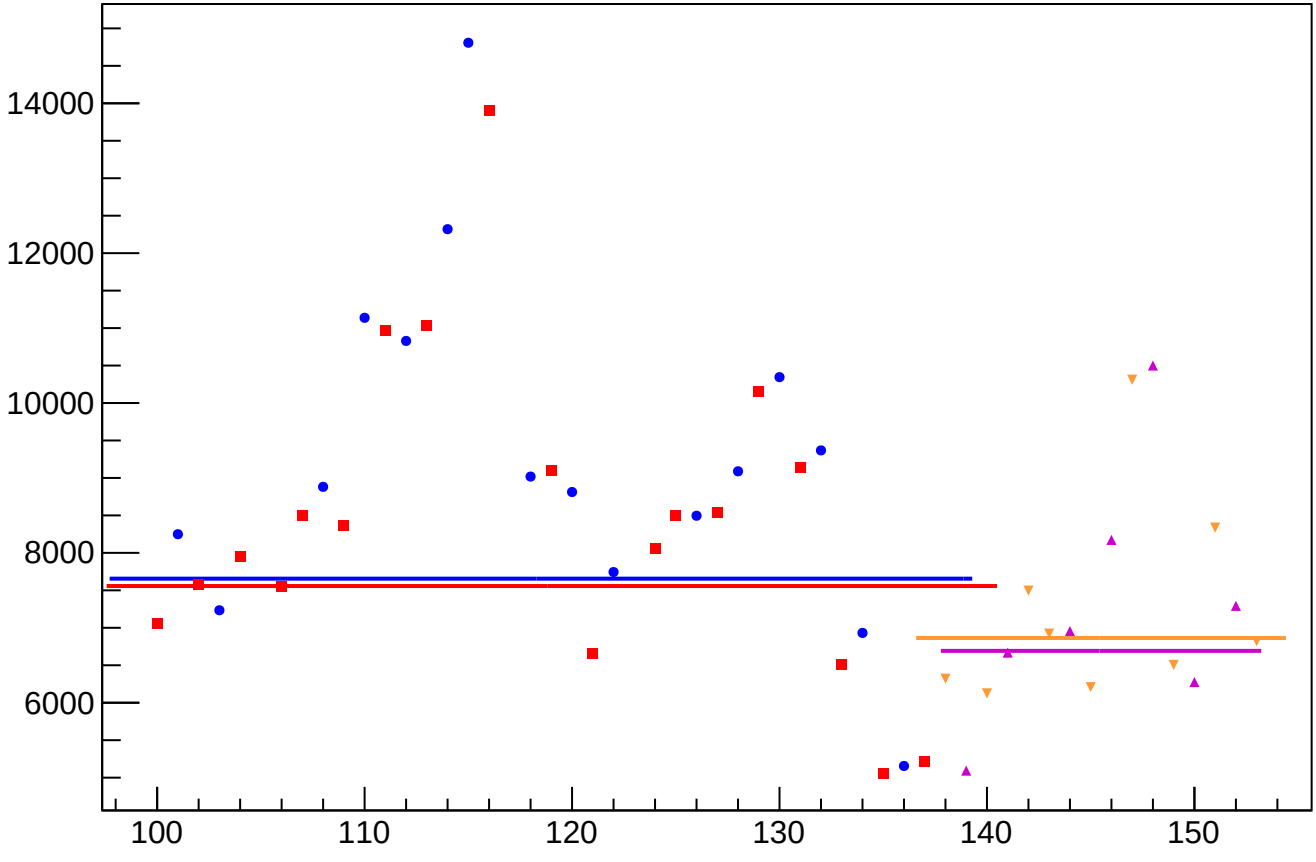
Right: -4.305+/-2.048 χ^2/NDF: 32.0/34

In: -3.838+/-2.019 χ^2/NDF:22.3/22

Out: -0.055+/-1.938 χ^2/NDF:32.8/27

All: -1.868+/-1.398 χ^2/NDF: 57.0/50

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6864.147+/-1.865 χ^2/NDF:294376.6/8

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

Left In: 6692.051+/-1.964 χ^2/NDF:454709.0/6

Left: 6782.546+/-1.353 χ^2/NDF: 753121.4/15

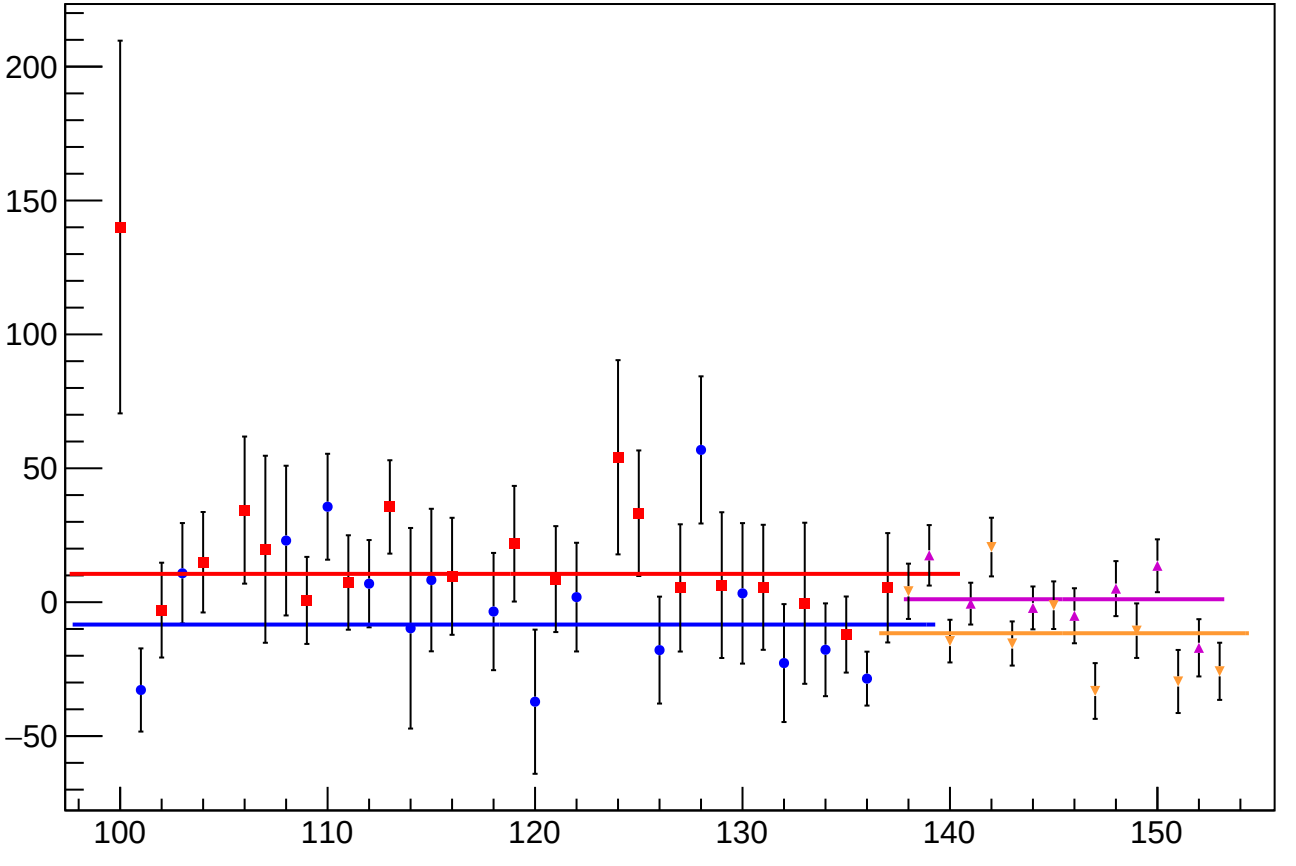
Right: 7605.240+/-1.448 χ^2/NDF: 1690781.9/34

In: 7146.691+/-1.428 χ^2/NDF:1448030.0/22

Out: 7183.427+/-1.370 χ^2/NDF:1167856.9/27

All: 7165.816+/-0.989 χ^2/NDF: 2616231.5/50

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -11.591+/-3.233 χ^2/NDF:21.1/8

Right Out: 10.573+/-4.911 χ^2/NDF: 12.9/18

Left In: 1.099+/-3.585 χ^2/NDF:7.3/6

Left: -5.899+/-2.401 χ^2/NDF: 35.3/15

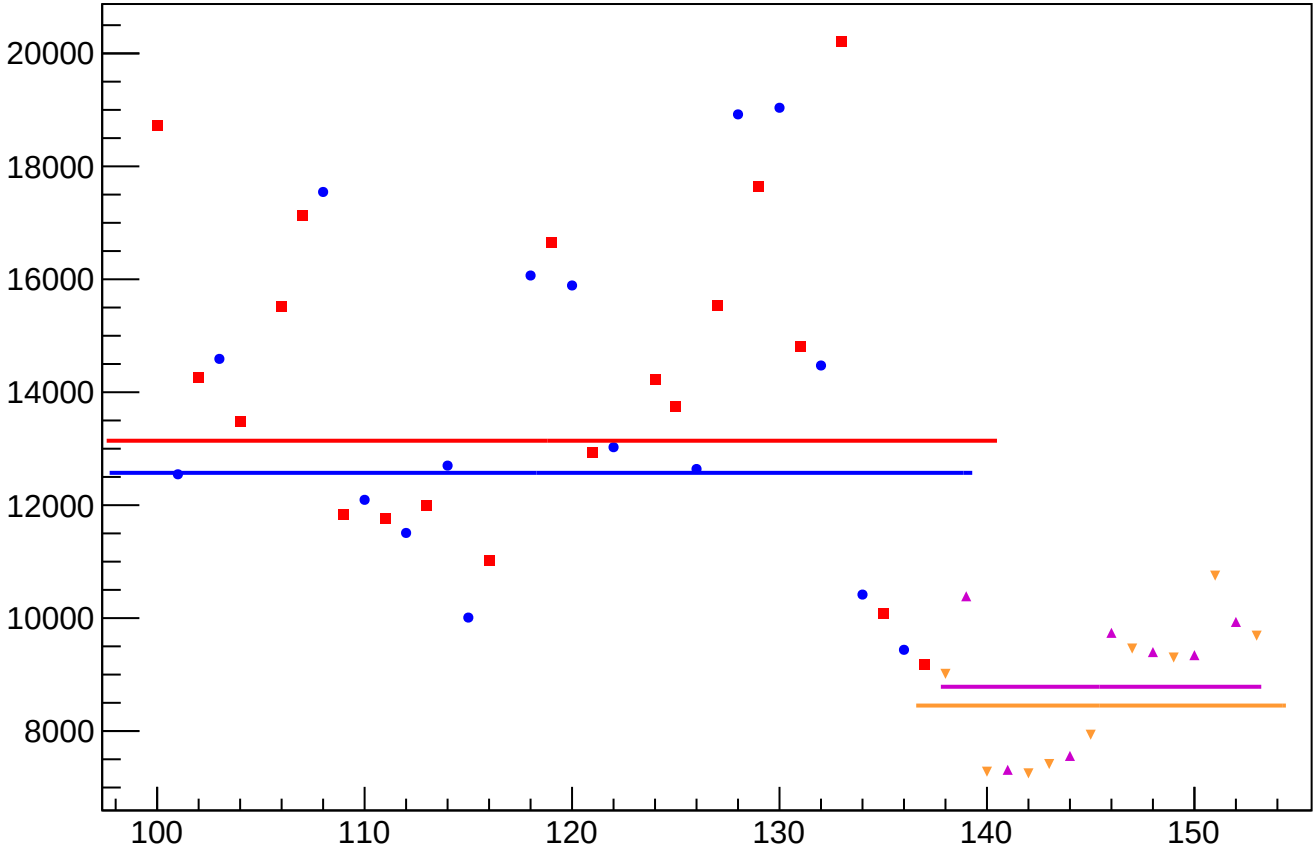
Right: 0.922+/-3.438 χ^2/NDF: 43.7/34

In: -2.272+/-2.875 χ^2/NDF:33.0/22

Out: -4.890+/-2.700 χ^2/NDF:48.2/27

All: -3.663+/-1.968 χ^2/NDF: 81.7/50

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 8451.586+/-2.286 χ^2/NDF:247399.9/8

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

Left In: 8784.304+/-2.535 χ^2/NDF:211951.8/6

Left: 8600.815+/-1.698 χ^2/NDF: 468852.8/15

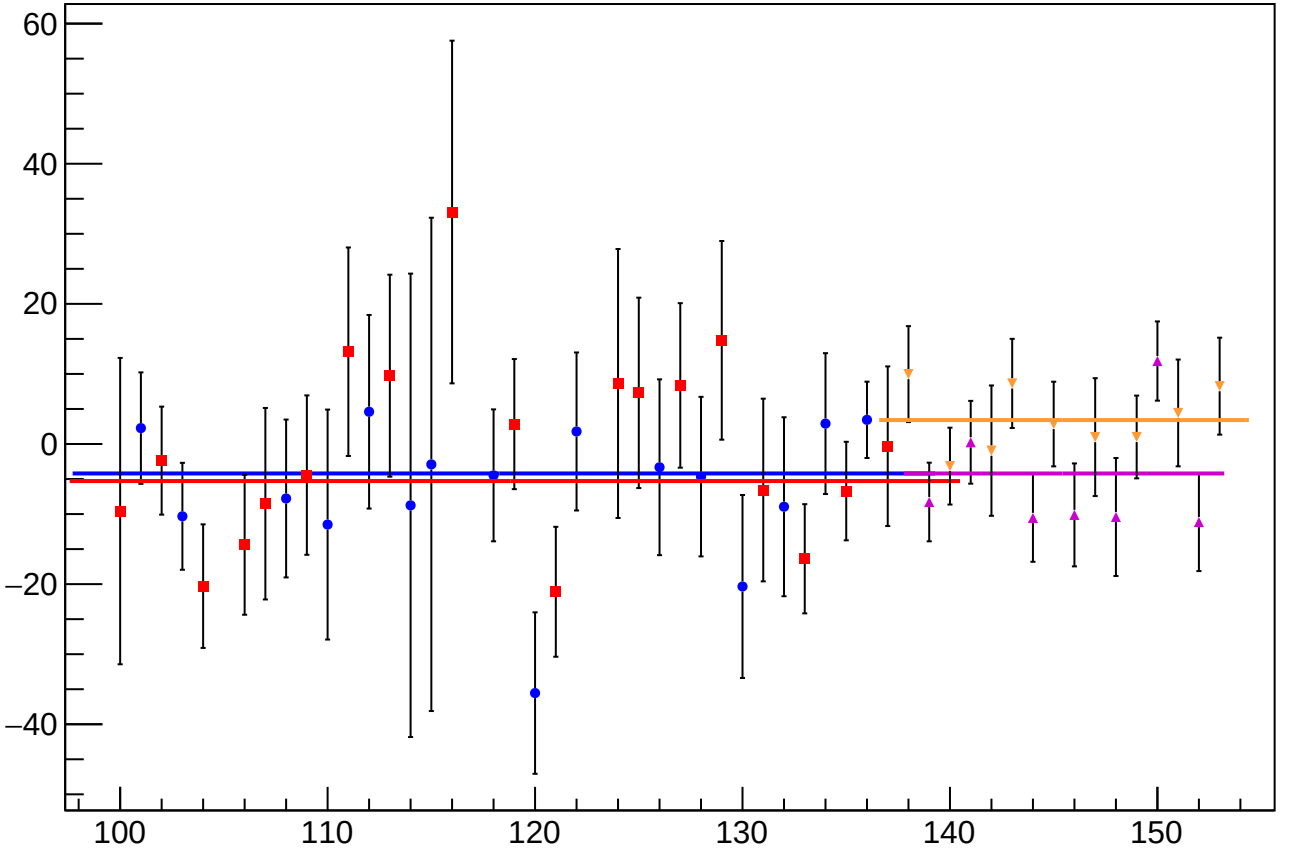
Right: 12851.222+/-2.431 χ^2/NDF: 1213428.5/34

In: 10135.760+/-2.033 χ^2/NDF:1673744.1/22

Out: 9869.484+/-1.909 χ^2/NDF:2054535.6/27

All: 9994.279+/-1.392 χ^2/NDF: 3737394.2/50

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 3.413+/-2.241 χ^2/NDF:4.0/8

Right Out: -5.288+/-2.502 χ^2/NDF: 19.7/18

Left In: -4.207+/-2.424 χ^2/NDF:12.3/6

Left: -0.098+/-1.645 χ^2/NDF: 21.7/15

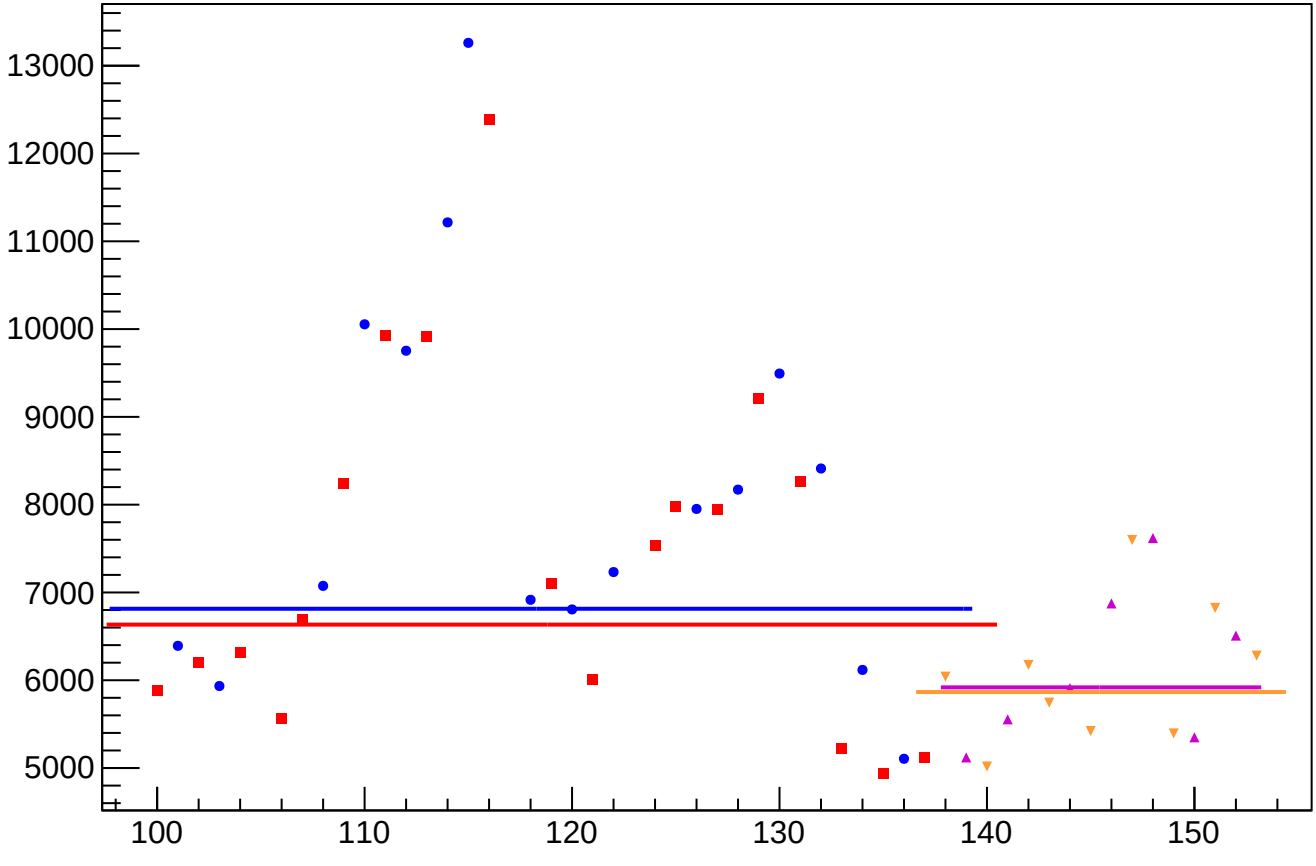
Right: -4.767+/-1.803 χ^2/NDF: 33.7/34

In: -4.206+/-1.773 χ^2/NDF:26.2/22

Out: -0.460+/-1.669 χ^2/NDF:30.5/27

All: -2.220+/-1.215 χ^2/NDF: 59.0/50

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 5865.717+/-1.584 χ^2/NDF:199358.3/8

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

Left In: 5919.028+/-1.714 χ^2/NDF:197983.9/6

Left: 5890.282+/-1.163 χ^2/NDF: 397863.8/15

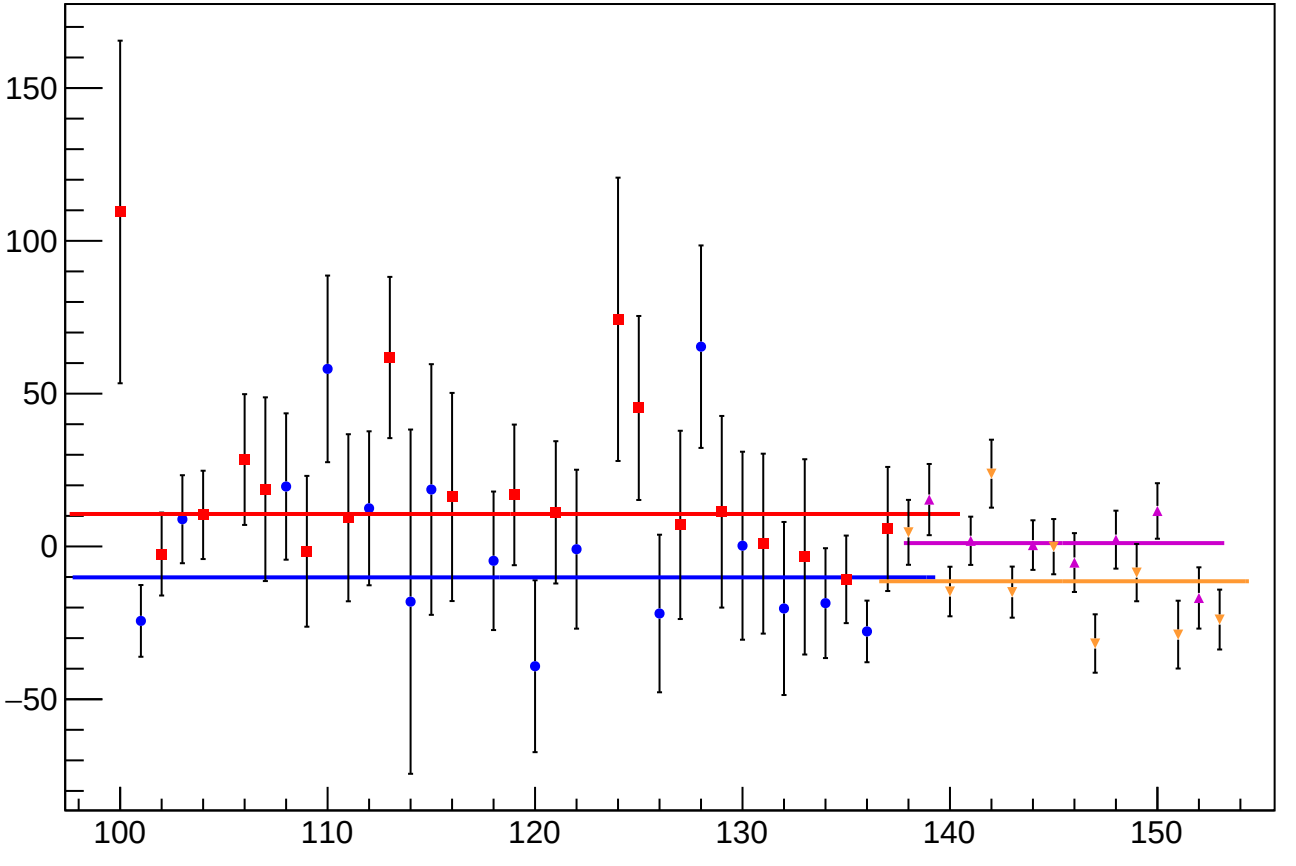
Right: 6720.509+/-1.275 χ^2/NDF: 1442449.8/34

In: 6335.269+/-1.254 χ^2/NDF:998918.2/22

Out: 6207.534+/-1.180 χ^2/NDF:1067268.0/27

All: 6267.550+/-0.859 χ^2/NDF: 2071689.1/50

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -11.390+/-3.169 χ^2/NDF:23.0/8

Right Out: 10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: 1.096+/-3.480 χ^2/NDF:6.5/6

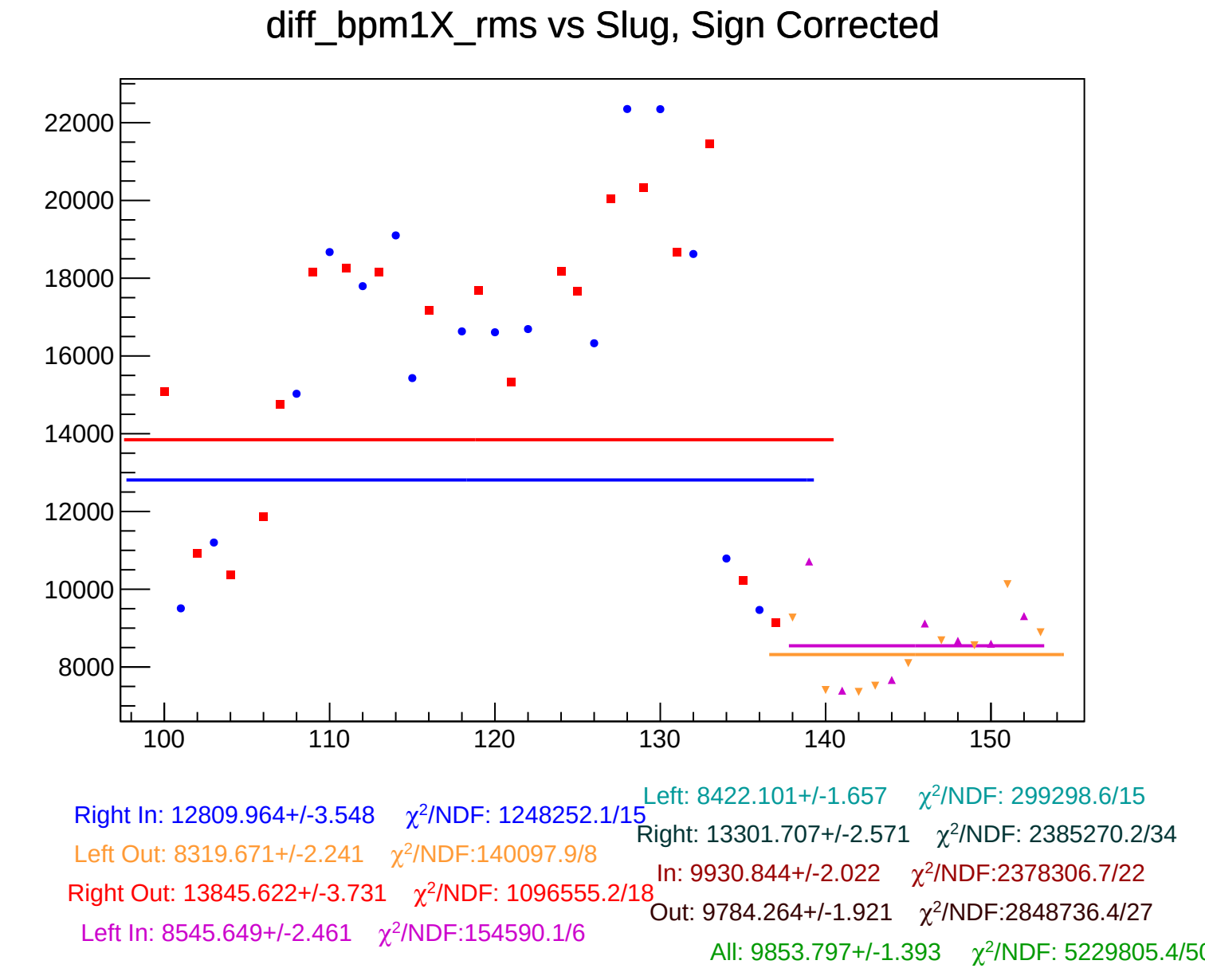
Left: -5.731+/-2.343 χ^2/NDF: 36.5/15

Right: -0.267+/-3.636 χ^2/NDF: 44.1/34

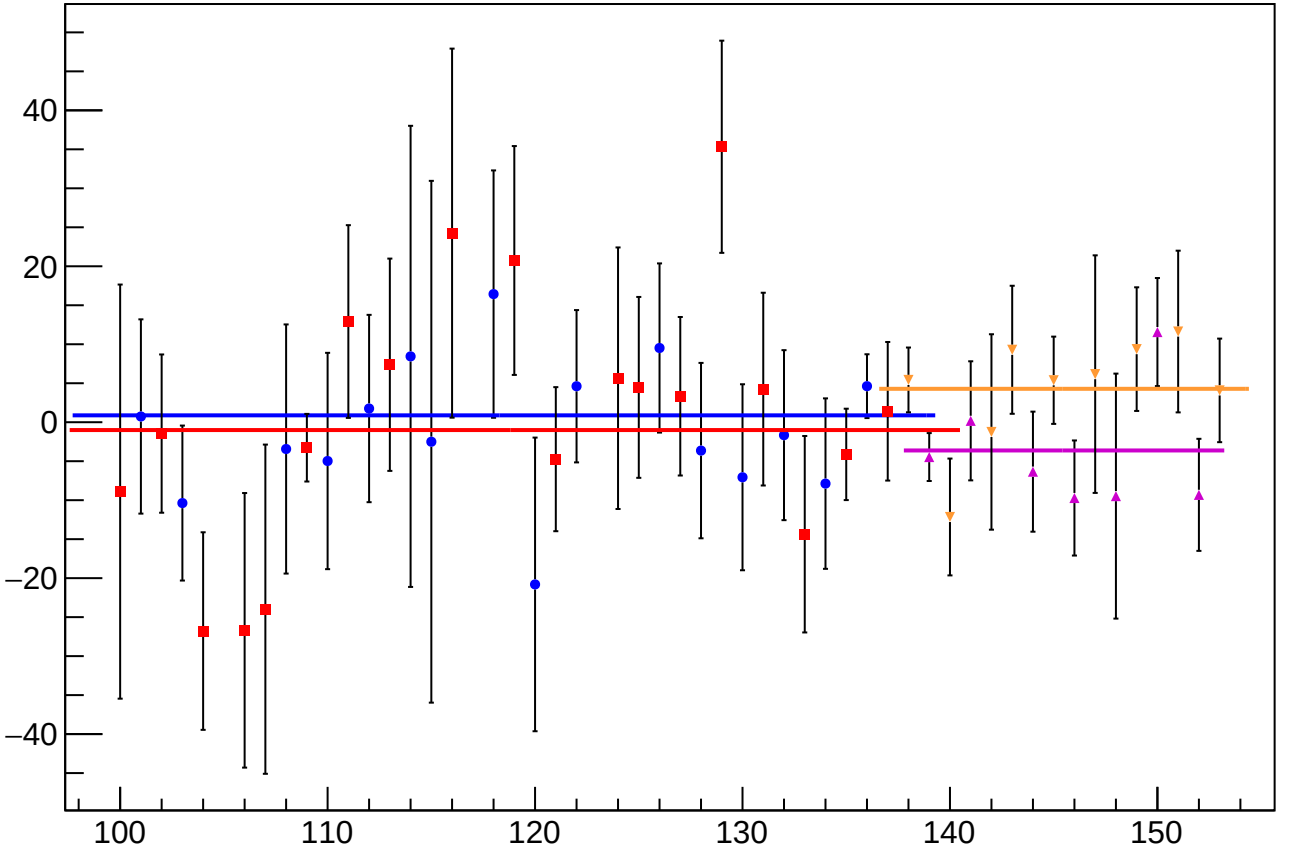
In: -2.545+/-2.860 χ^2/NDF:31.1/22

Out: -5.556+/-2.717 χ^2/NDF:50.5/27

All: -4.128+/-1.969 χ^2/NDF: 82.2/50


diff_bpm1X_rms vs Slug, Sign Corrected
22000
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
Right In: 12809.964+/-3.548 χ²/NDF: 1248252.1/15
Left Out: 8319.671+/-2.241 χ²/NDF:140097.9/8
Right Out: 13845.622+/-3.731 χ²/NDF: 1096555.2/18
Left In: 8545.649+/-2.461 χ²/NDF:154590.1/6
Left: 8422.101+/-1.657 χ²/NDF: 299298.6/15
Right: 13301.707+/-2.571 χ²/NDF: 2385270.2/34
In: 9930.844+/-2.022 χ²/NDF:2378306.7/22
Out: 9784.264+/-1.921 χ²/NDF:2848736.4/27
All: 9853.797+/-1.393 χ²/NDF: 5229805.4/50

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 4.284+/-2.350 χ^2/NDF:6.4/8

Right Out: -1.006+/-2.314 χ^2/NDF: 22.3/18

Left In: -3.622+/-2.222 χ^2/NDF:6.7/6

Left: 0.110+/-1.615 χ^2/NDF: 19.1/15

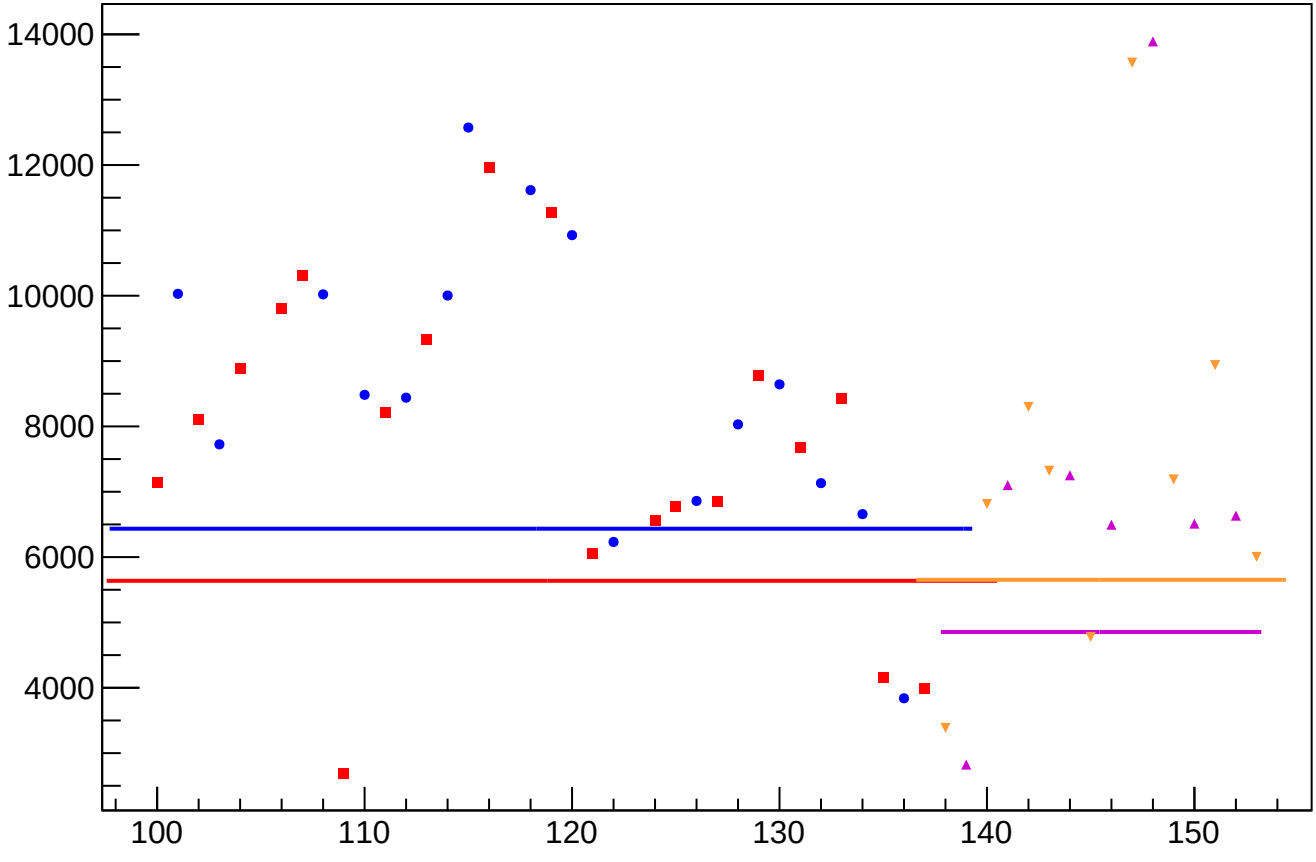
Right: -0.159+/-1.718 χ^2/NDF: 29.4/34

In: -1.692+/-1.680 χ^2/NDF:15.3/22

Out: 1.598+/-1.649 χ^2/NDF:31.3/27

All: -0.016+/-1.177 χ^2/NDF: 48.5/50

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 5652.629+/-1.662 χ^2/NDF:1684471.6/8

Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 4853.456+/-1.571 χ^2/NDF:2237462.6/6

Left: 5230.669+/-1.142 χ^2/NDF: 4044048.6/15

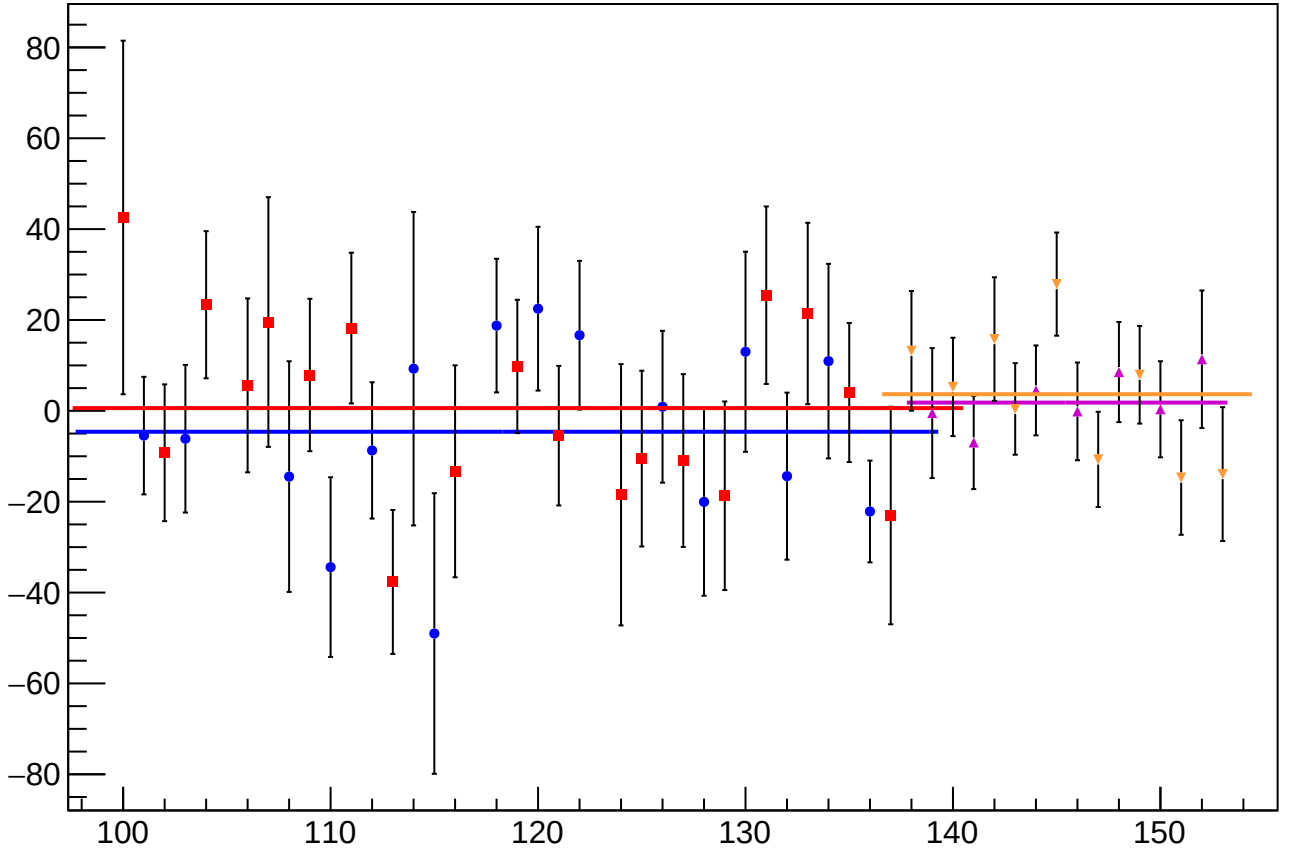
Right: 5994.862+/-1.215 χ^2/NDF: 4437091.5/34

In: 5530.974+/-1.188 χ^2/NDF:4422003.5/22

Out: 5644.868+/-1.166 χ^2/NDF:4264528.2/27

All: 5588.980+/-0.832 χ^2/NDF: 8691214.4/50

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: 3.664+/-3.893 χ^2/NDF:11.6/8

Right Out: 0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: 1.812+/-4.273 χ^2/NDF:1.7/6

Left: 2.824+/-2.878 χ^2/NDF: 13.3/15

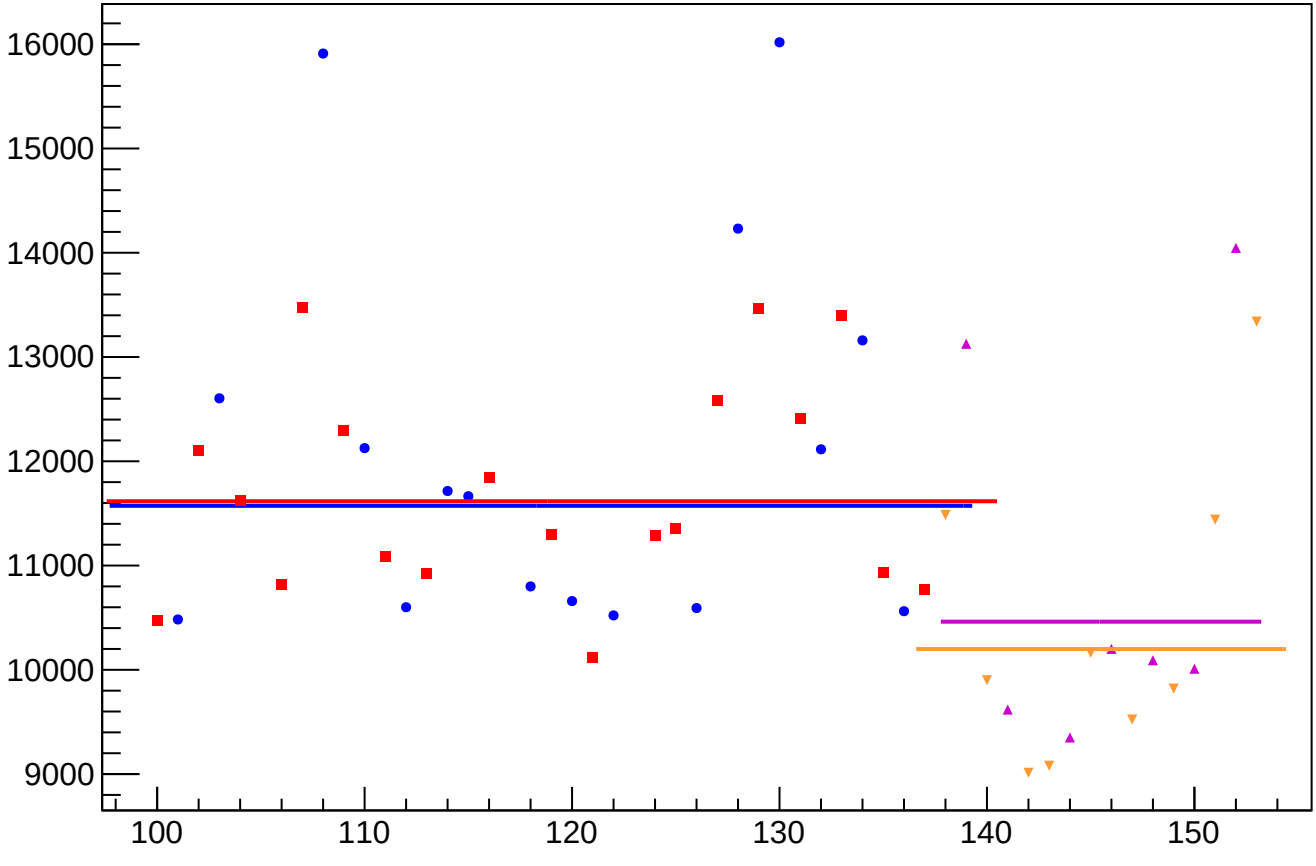
Right: -1.948+/-3.048 χ^2/NDF: 34.4/34

In: -1.334+/-3.050 χ^2/NDF:18.5/22

Out: 2.272+/-2.876 χ^2/NDF:29.8/27

All: 0.575+/-2.092 χ^2/NDF: 49.0/50

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11573.073+/-3.079 χ^2/NDF: 260067.0/15

Left Out: 10199.265+/-2.753 χ^2/NDF:181588.5/8

Right Out: 11616.773+/-3.017 χ^2/NDF: 93165.6/18

Left In: 10461.642+/-3.022 χ^2/NDF:227320.5/6

Left: 10318.279+/-2.035 χ^2/NDF: 413028.8/15

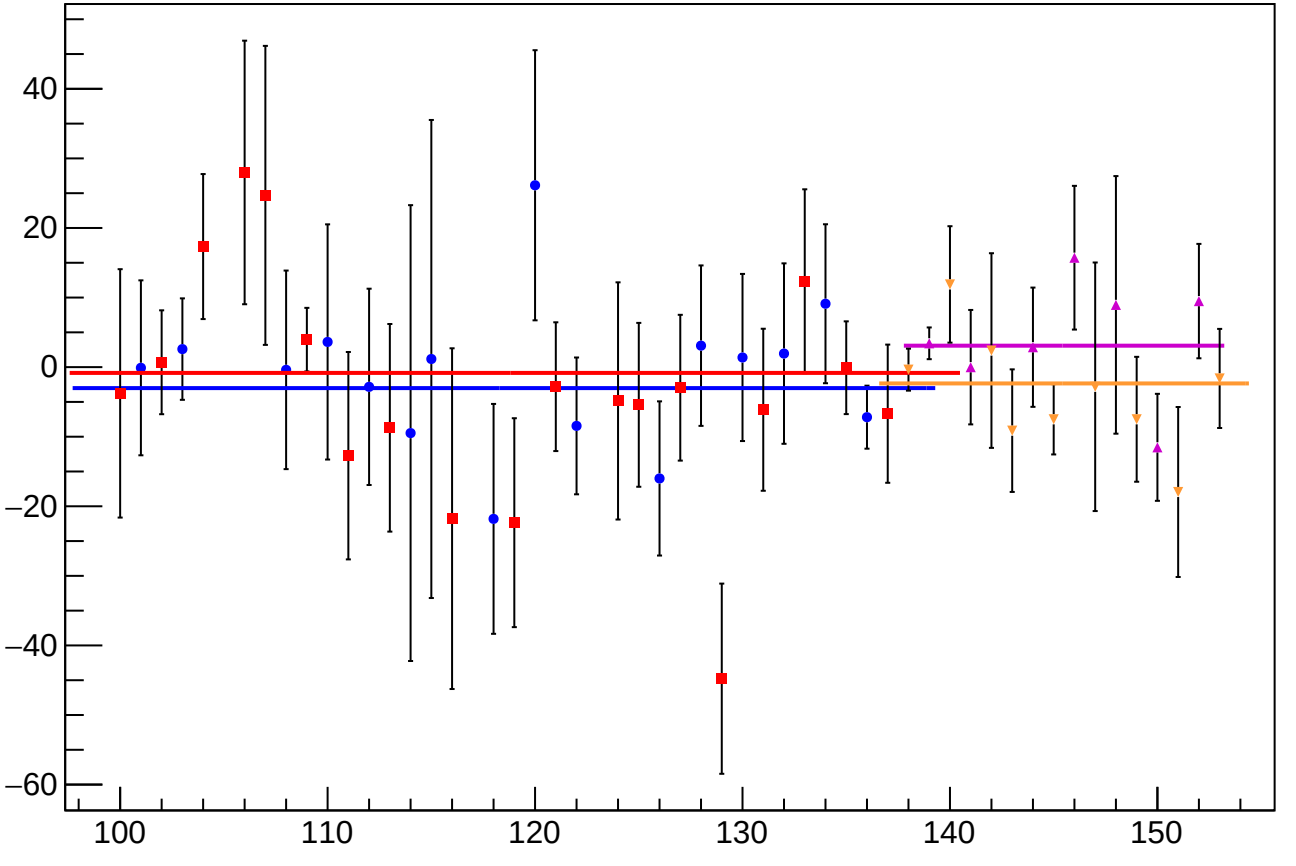
Right: 11595.370+/-2.155 χ^2/NDF: 353335.4/34

In: 11006.859+/-2.157 χ^2/NDF:553757.9/22

Out: 10843.348+/-2.034 χ^2/NDF:395210.8/27

All: 10920.304+/-1.480 χ^2/NDF: 952011.4/50

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: -2.344+/-2.117 χ^2/NDF:7.0/8

Right Out: -0.831+/-2.352 χ^2/NDF: 23.8/18

Left In: 3.083+/-1.943 χ^2/NDF:6.0/6

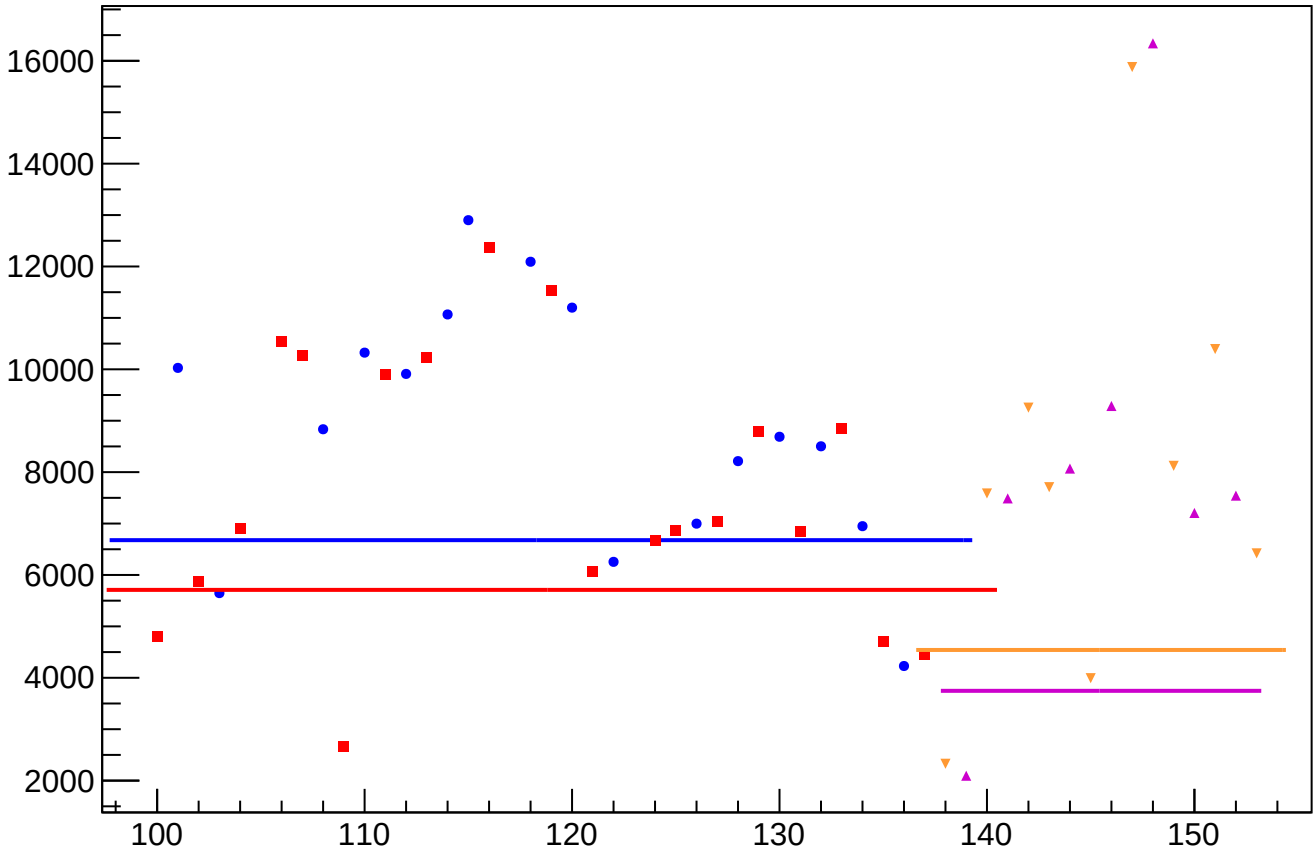
Left: 0.601+/-1.432 χ^2/NDF: 16.6/15

Right: -1.791+/-1.760 χ^2/NDF: 32.9/34

In: 0.955+/-1.568 χ^2/NDF:18.1/22

Out: -1.667+/-1.573 χ^2/NDF:31.1/27

All: -0.352+/-1.111 χ^2/NDF: 50.6/50



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 4541.301+/-1.497 χ^2/NDF:3572352.6/8

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

Left In: 3746.348+/-1.374 χ^2/NDF:4304508.0/6

Left: 4110.003+/-1.012 χ^2/NDF: 8029936.0/15

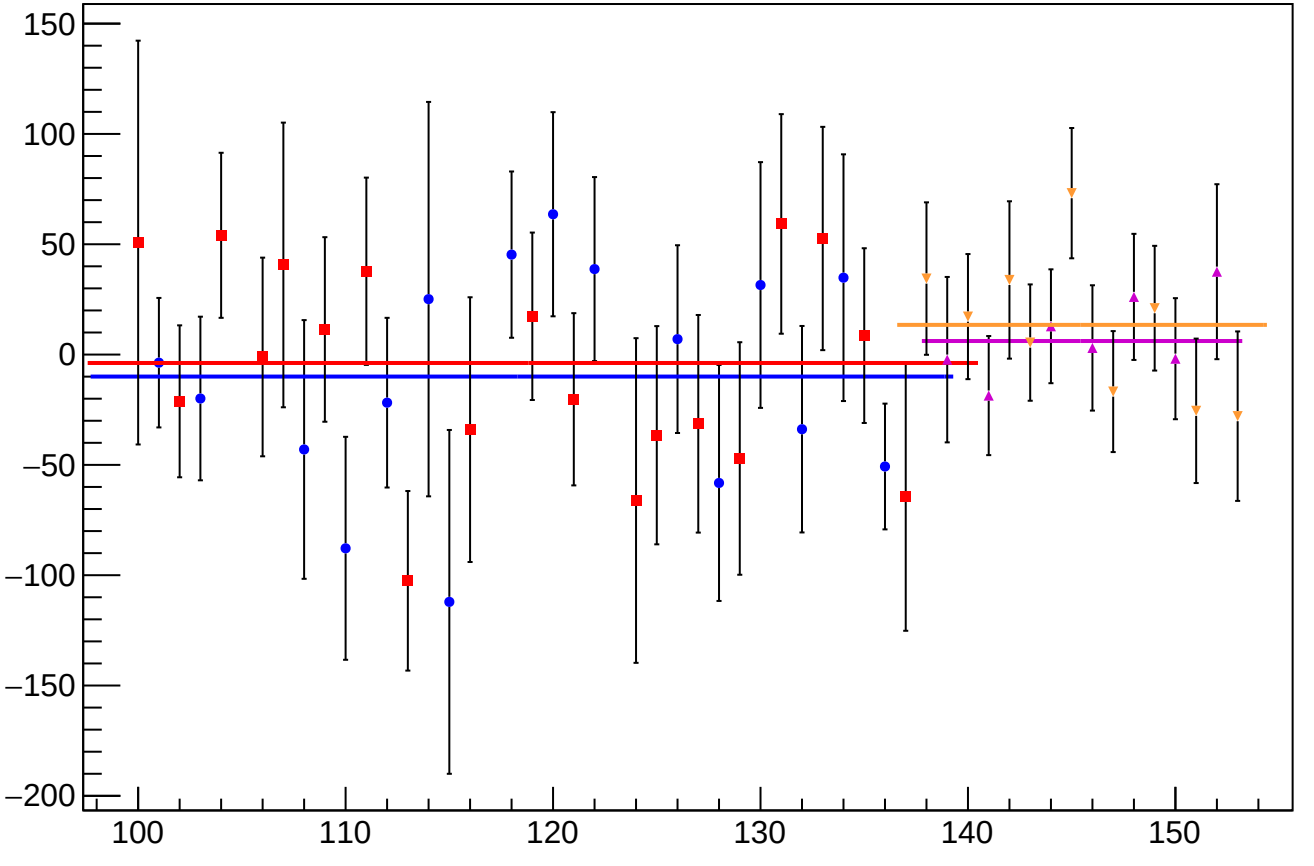
Right: 6135.167+/-1.245 χ^2/NDF: 4022672.5/34

In: 4769.301+/-1.109 χ^2/NDF:7464760.0/22

Out: 5064.249+/-1.112 χ^2/NDF:6146214.6/27

All: 4916.290+/-0.785 χ^2/NDF: 13646241.2/5

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 13.458+/-10.181 χ^2/NDF:8.8/8

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 6.144+/-11.170 χ^2/NDF:2.2/6

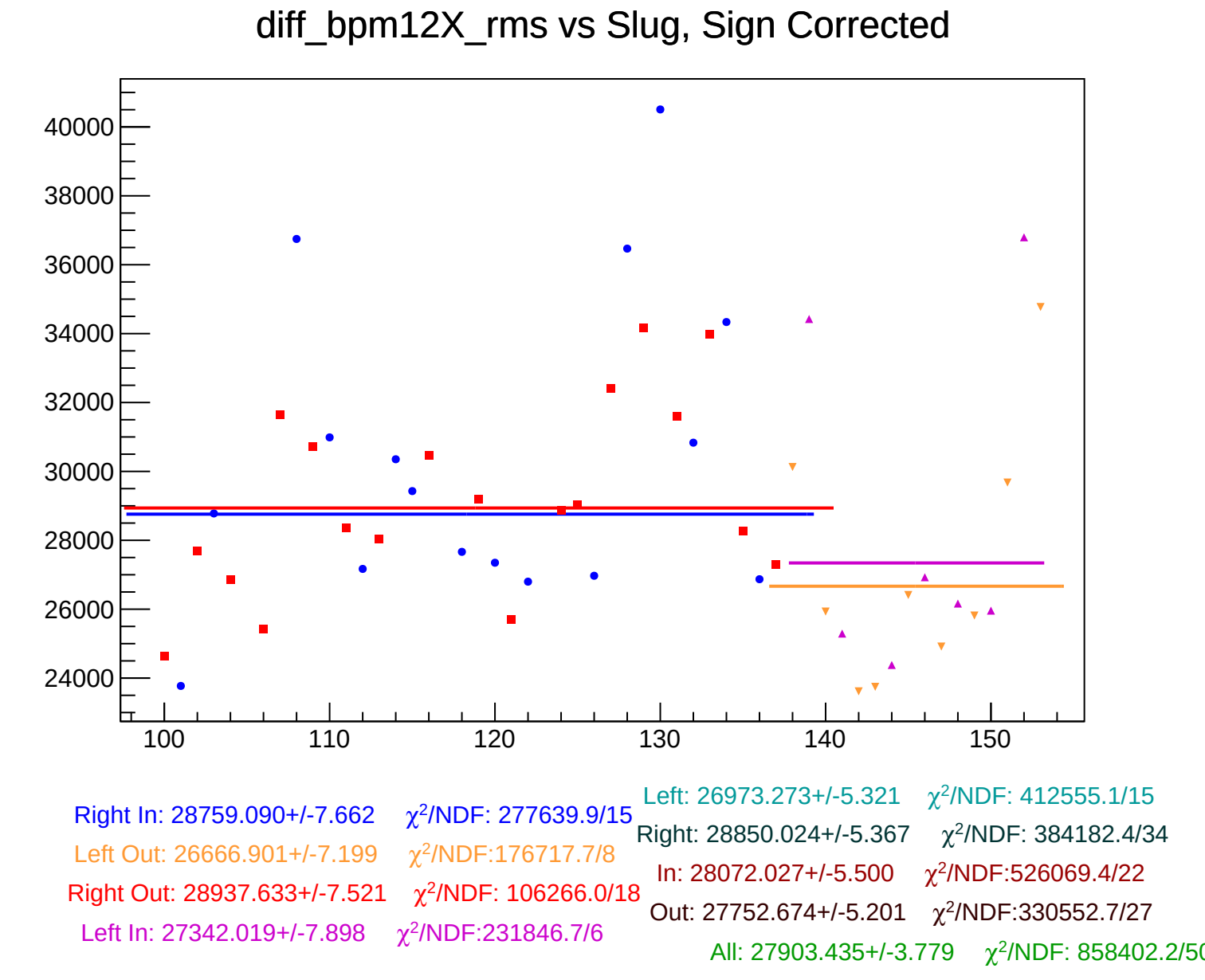
Left: 10.139+/-7.525 χ^2/NDF: 11.2/15

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

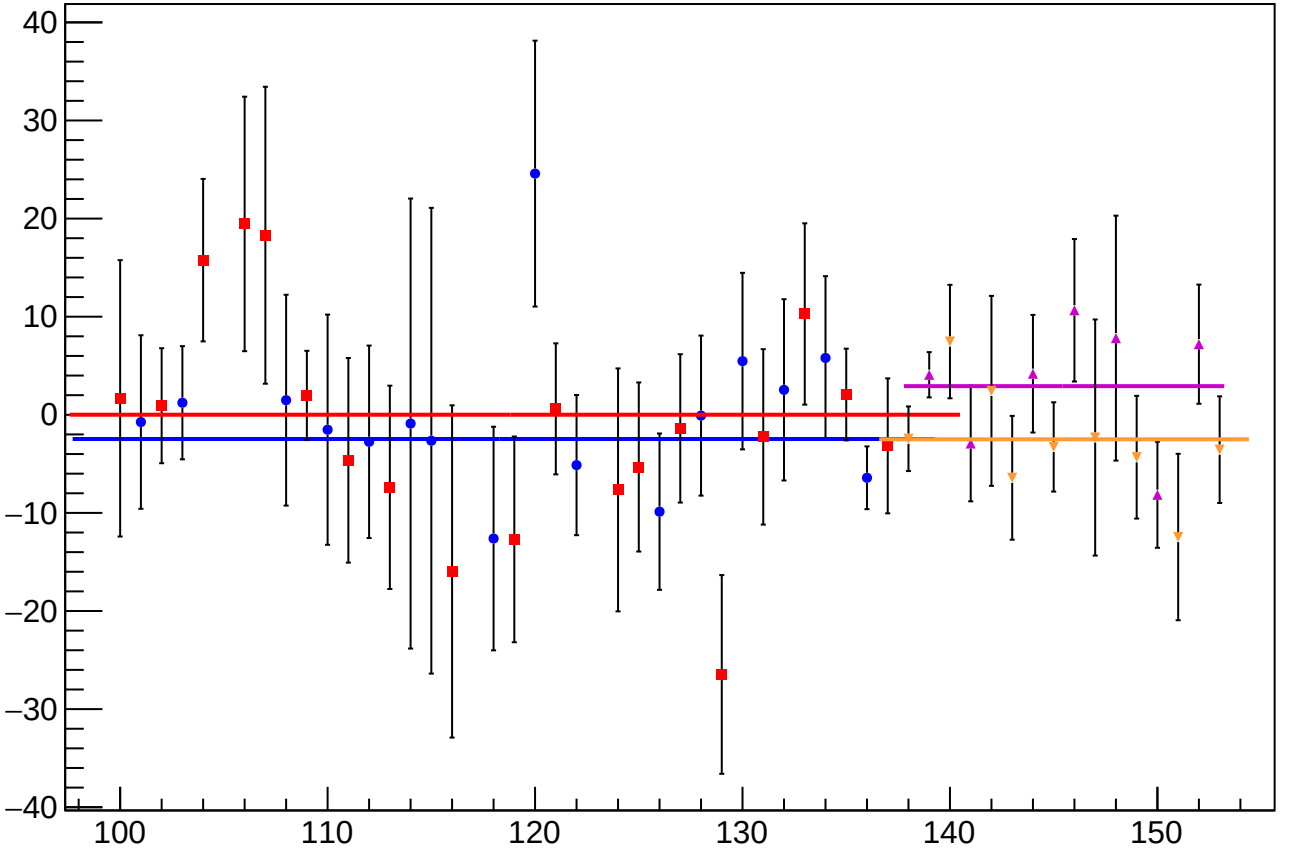
In: -2.157+/-7.778 χ^2/NDF:18.5/22

Out: 5.199+/-7.355 χ^2/NDF:27.4/27

All: 1.727+/-5.344 χ^2/NDF: 46.4/50


diff_bpm12X_rms vs Slug, Sign Corrected
40000
38000
36000
34000
32000
30000
28000
26000
24000
100
110
120
130
140
150
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 26666.901+/-7.199 χ²/NDF:176717.7/8
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 27342.019+/-7.898 χ²/NDF:231846.7/6
Left: 26973.273+/-5.321 χ²/NDF: 412555.1/15
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 28072.027+/-5.500 χ²/NDF:526069.4/22
Out: 27752.674+/-5.201 χ²/NDF:330552.7/27
All: 27903.435+/-3.779 χ²/NDF: 858402.2/50

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -2.497+/-1.868 χ^2/NDF:5.1/8

Right Out: 0.009+/-1.828 χ^2/NDF: 20.0/18

Left In: 2.921+/-1.738 χ^2/NDF:7.3/6

Left: 0.407+/-1.273 χ^2/NDF: 16.9/15

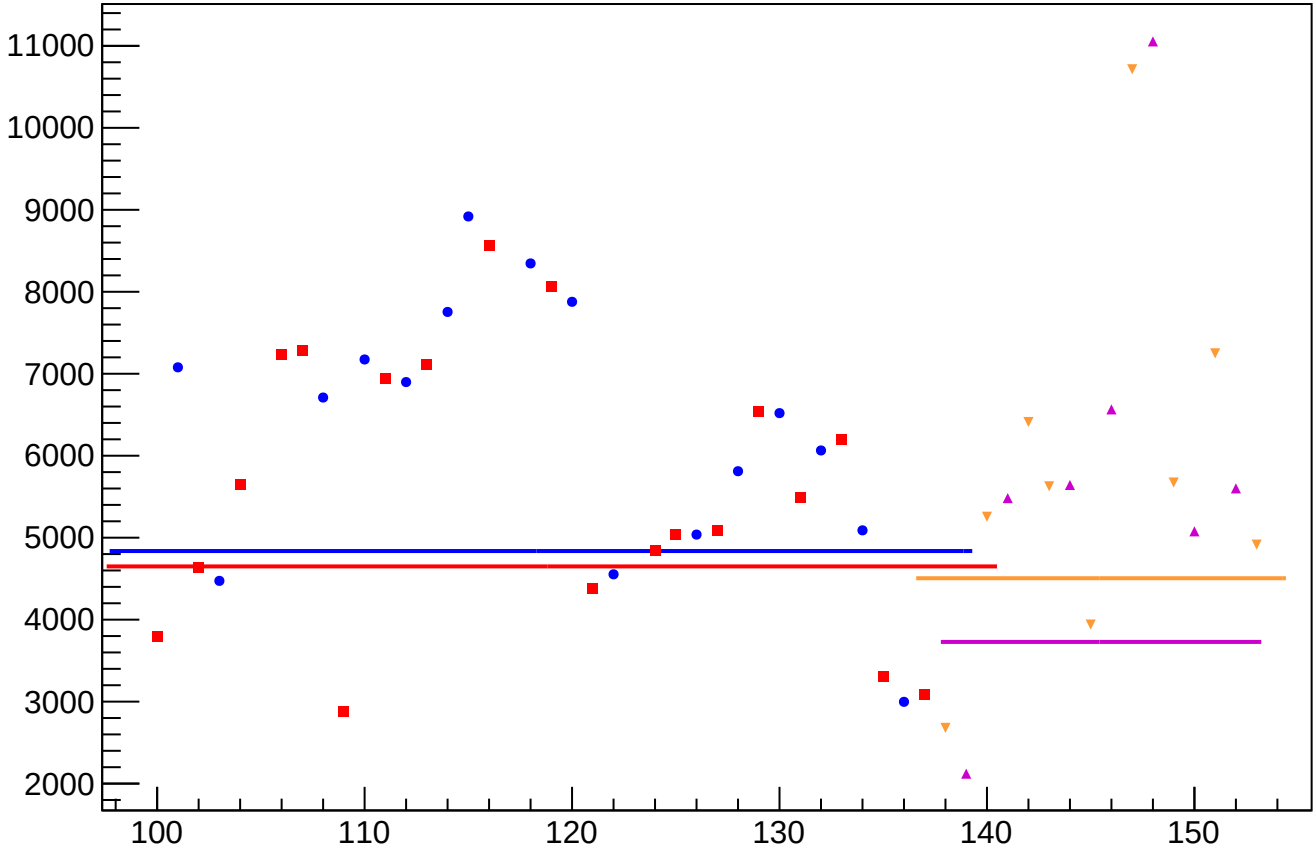
Right: -1.171+/-1.323 χ^2/NDF: 30.9/34

In: 0.487+/-1.287 χ^2/NDF:21.6/22

Out: -1.217+/-1.307 χ^2/NDF:26.0/27

All: -0.352+/-0.917 χ^2/NDF: 48.5/50

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 4505.240+/-1.321 χ^2/NDF:1642831.2/8

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

Left In: 3728.397+/-1.229 χ^2/NDF:2659448.7/6

Left: 4088.843+/-0.900 χ^2/NDF: 4487589.0/15

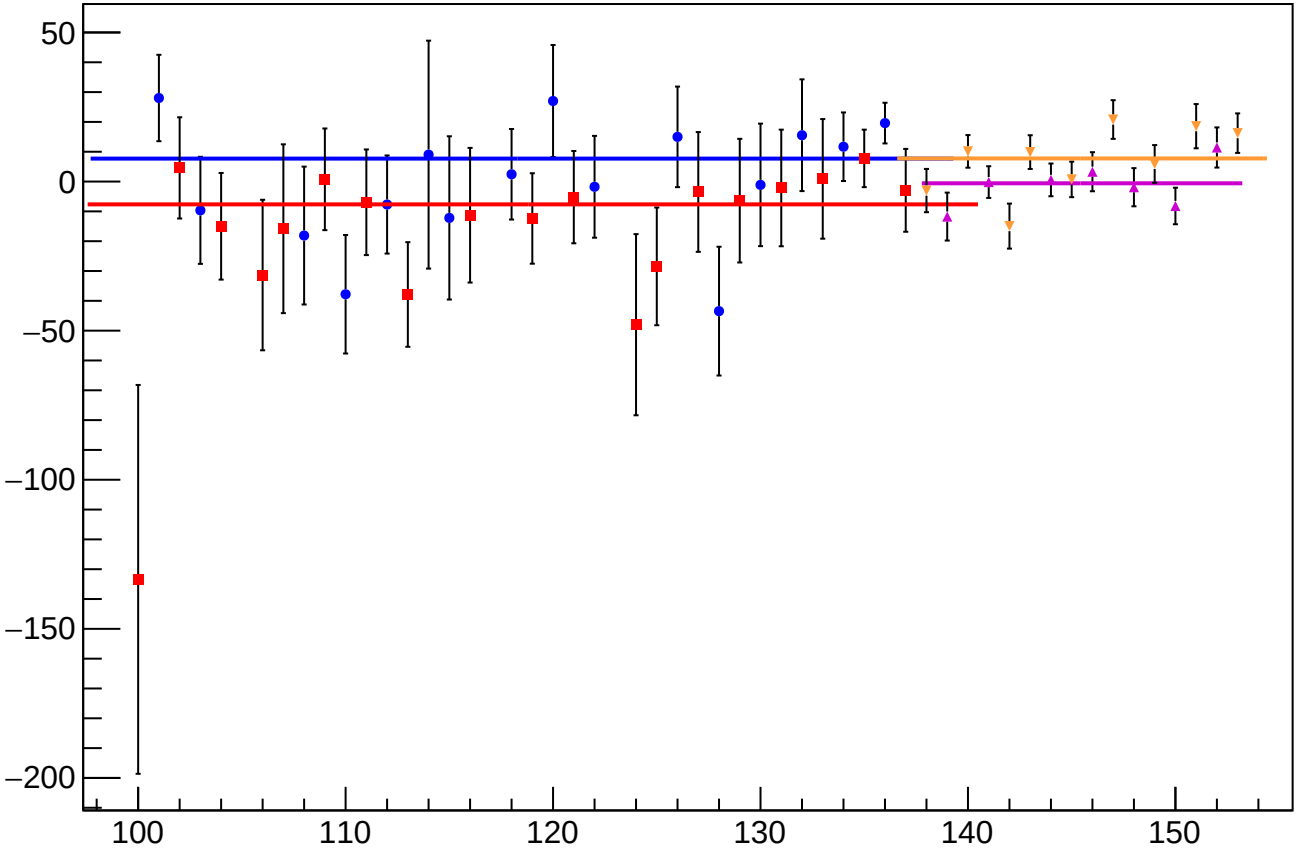
Right: 4739.013+/-0.935 χ^2/NDF: 2992350.1/34

In: 4229.137+/-0.910 χ^2/NDF:4574650.1/22

Out: 4579.002+/-0.924 χ^2/NDF:3083480.5/27

All: 4401.457+/-0.648 χ^2/NDF: 7730887.7/50

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 7.752+/-2.136 χ^2/NDF:20.9/8

Right Out: -7.650+/-4.099 χ^2/NDF: 14.6/18

Left In: -0.581+/-2.354 χ^2/NDF:7.1/6

Left: 3.989+/-1.582 χ^2/NDF: 34.8/15

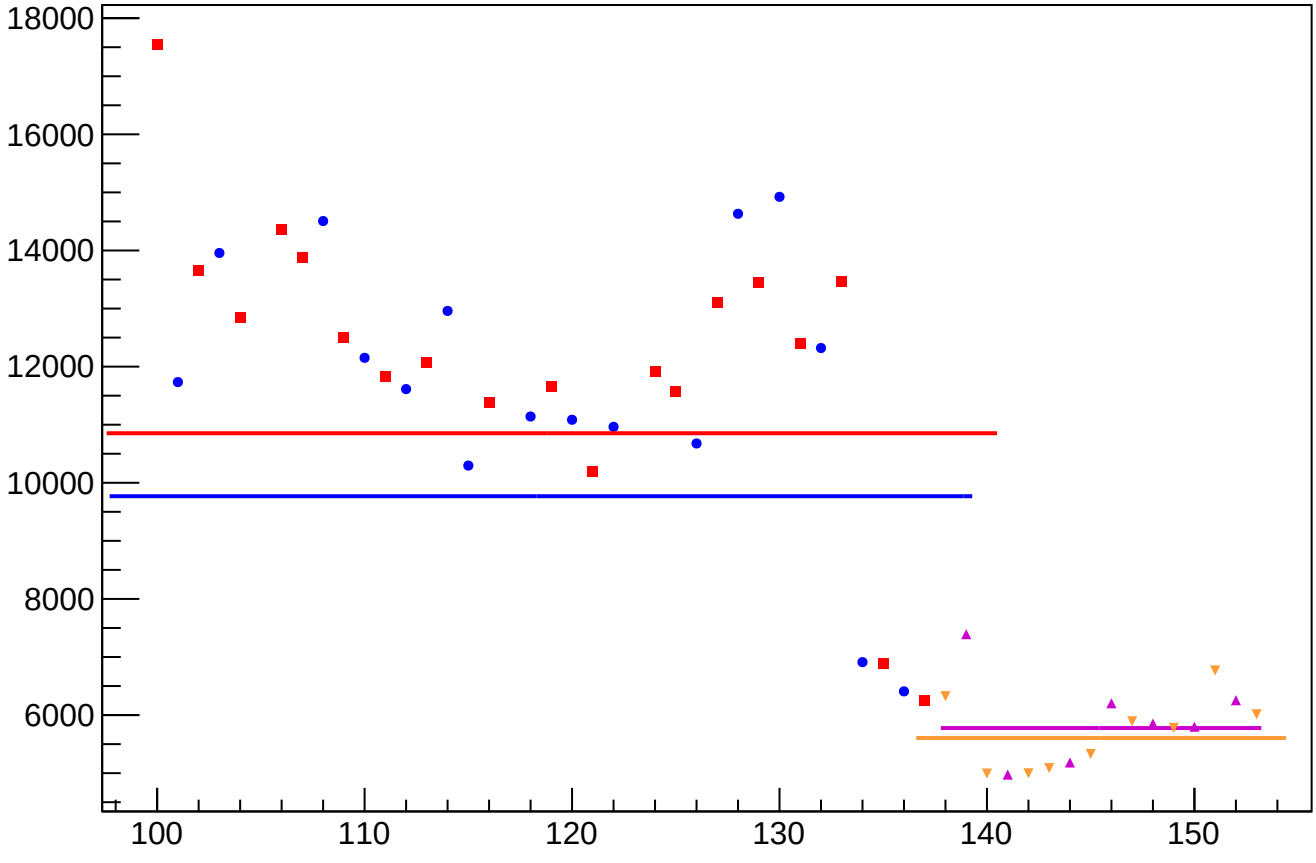
Right: 0.565+/-2.795 χ^2/NDF: 43.7/34

In: 1.698+/-2.004 χ^2/NDF:32.1/22

Out: 4.463+/-1.894 χ^2/NDF:46.5/27

All: 3.158+/-1.377 χ^2/NDF: 79.7/50

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5606.109+/-1.510 χ^2/NDF:141058.1/8

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

Left In: 5776.698+/-1.664 χ^2/NDF:168642.2/6

Left: 5683.157+/-1.119 χ^2/NDF: 315461.2/15

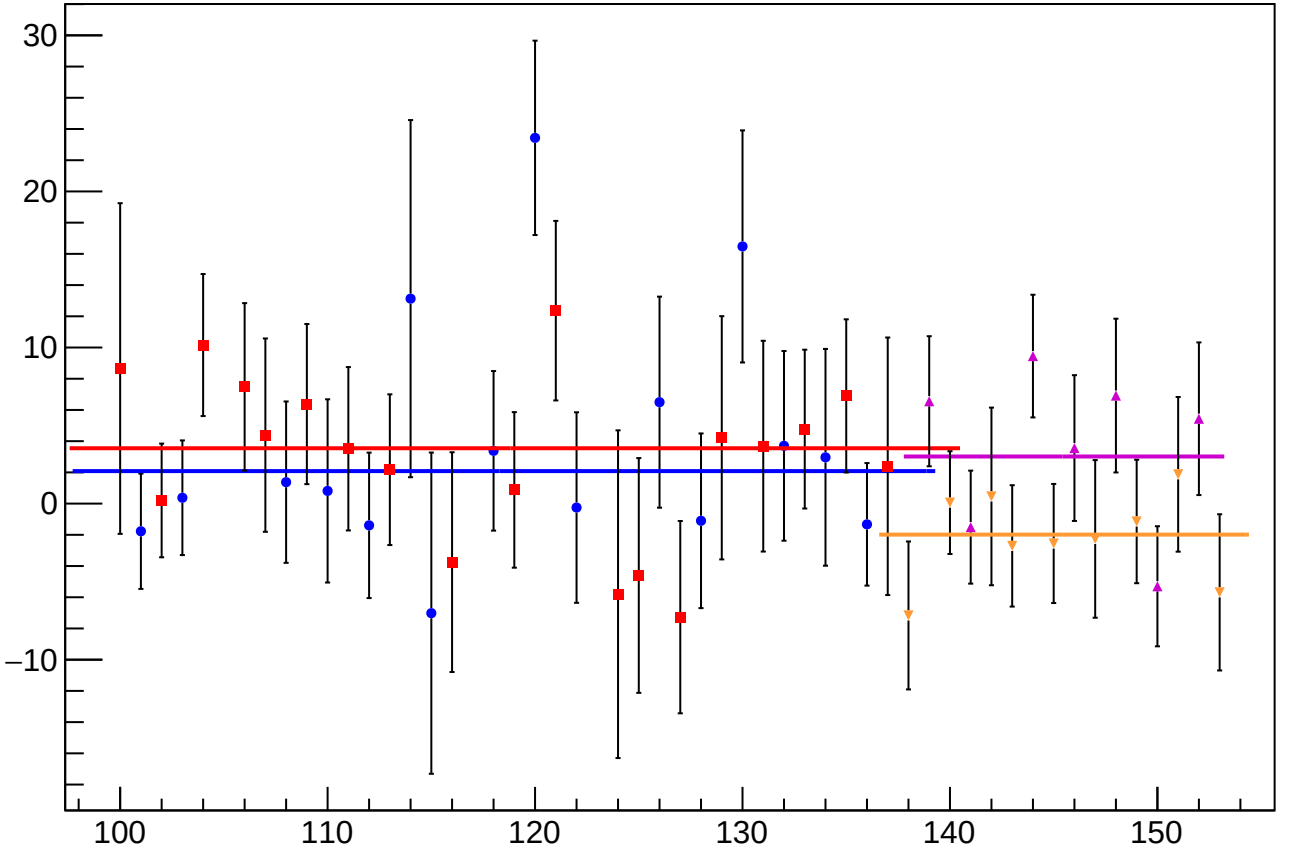
Right: 10272.667+/-1.976 χ^2/NDF: 2163082.8/34

In: 6875.295+/-1.417 χ^2/NDF:2965676.6/22

Out: 6726.620+/-1.340 χ^2/NDF:3592451.3/27

All: 6796.786+/-0.973 χ^2/NDF: 6563942.0/50

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -1.987+/-1.434 χ^2/NDF:3.0/8

Right Out: 3.546+/-1.304 χ^2/NDF: 13.4/18

Left In: 3.018+/-1.591 χ^2/NDF:10.5/6

Left: 0.257+/-1.065 χ^2/NDF: 19.0/15

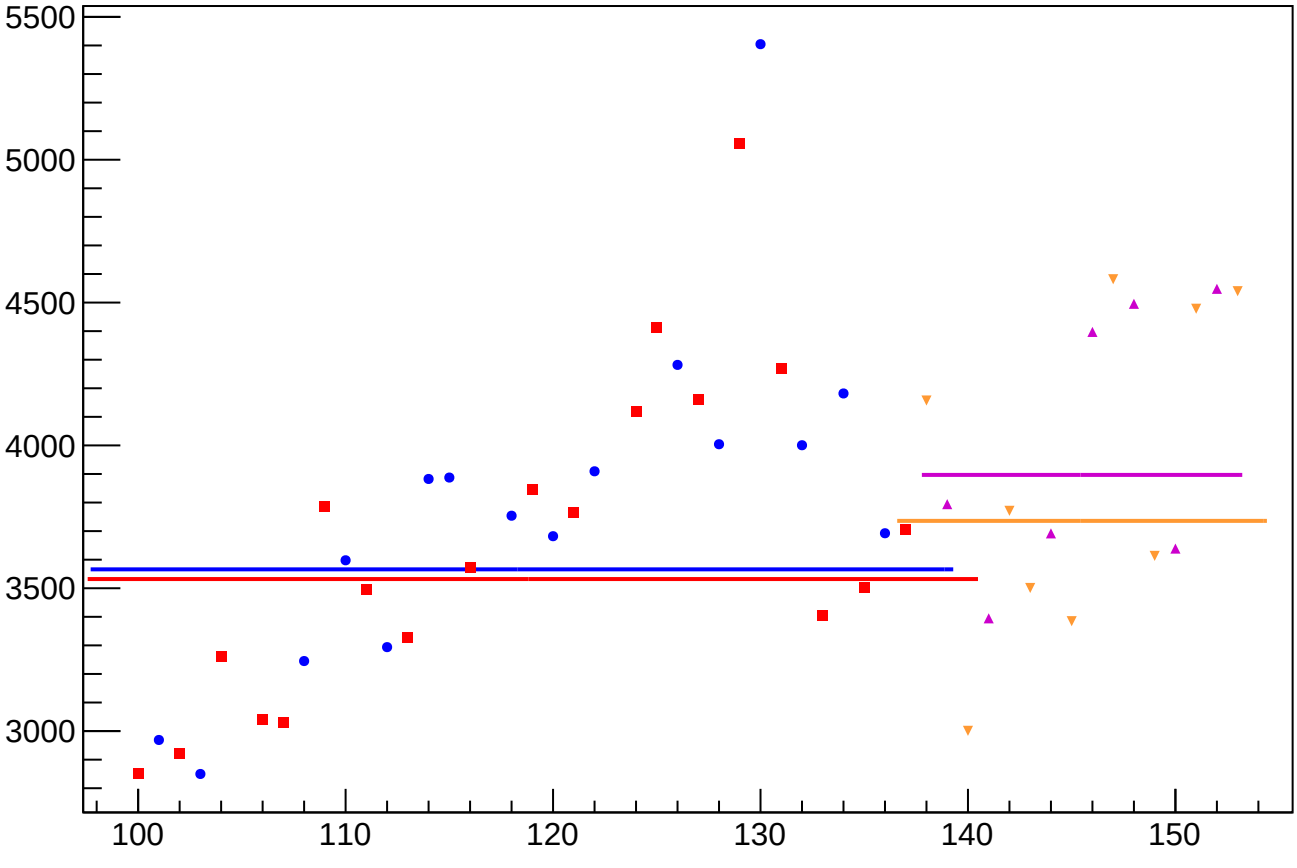
Right: 2.837+/-0.936 χ^2/NDF: 35.0/34

In: 2.472+/-1.027 χ^2/NDF:31.7/22

Out: 1.042+/-0.965 χ^2/NDF:24.6/27

All: 1.712+/-0.703 χ^2/NDF: 57.3/50

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 3735.864+/-1.014 χ^2/NDF:294430.1/8

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

Left In: 3896.753+/-1.125 χ^2/NDF:142145.3/6

Left: 3807.988+/-0.753 χ^2/NDF: 447862.2/15

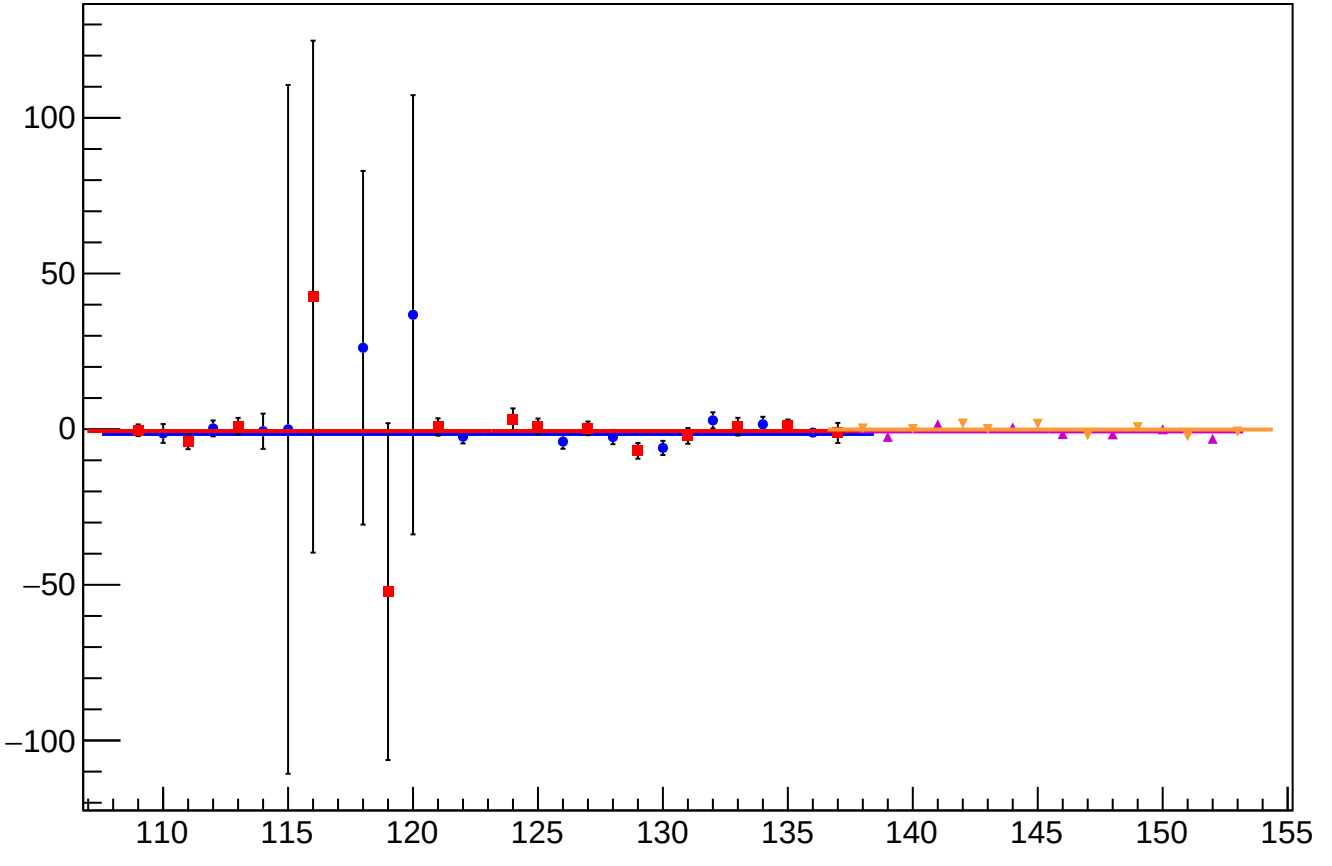
Right: 3548.642+/-0.662 χ^2/NDF: 620455.5/34

In: 3704.003+/-0.726 χ^2/NDF:533613.1/22

Out: 3624.396+/-0.682 χ^2/NDF:595206.1/27

All: 3661.707+/-0.497 χ^2/NDF: 1135200.9/50

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: -0.111+/-0.382 χ^2/NDF:11.6/8

Right Out: -0.588+/-0.717 χ^2/NDF: 12.7/13

Left In: -0.727+/-0.413 χ^2/NDF:15.5/6

Left: -0.395+/-0.281 χ^2/NDF: 28.2/15

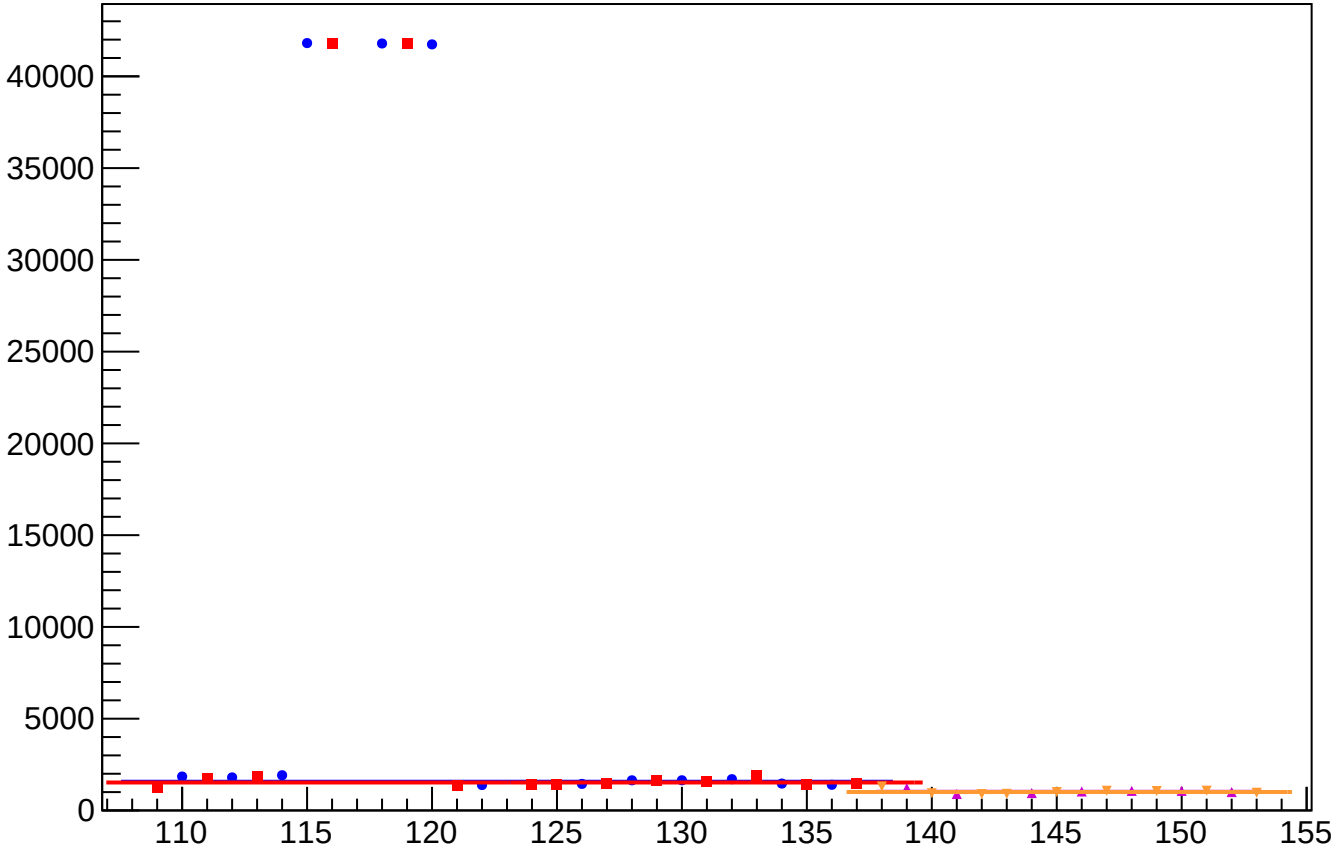
Right: -1.051+/-0.512 χ^2/NDF: 24.6/26

In: -0.922+/-0.360 χ^2/NDF:27.5/19

Out: -0.217+/-0.337 χ^2/NDF:24.6/22

All: -0.547+/-0.246 χ^2/NDF: 54.1/42

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 1005.015+/-0.270 χ^2/NDF:144246.7/8

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

Left In: 1016.338+/-0.292 χ^2/NDF:93491.0/6

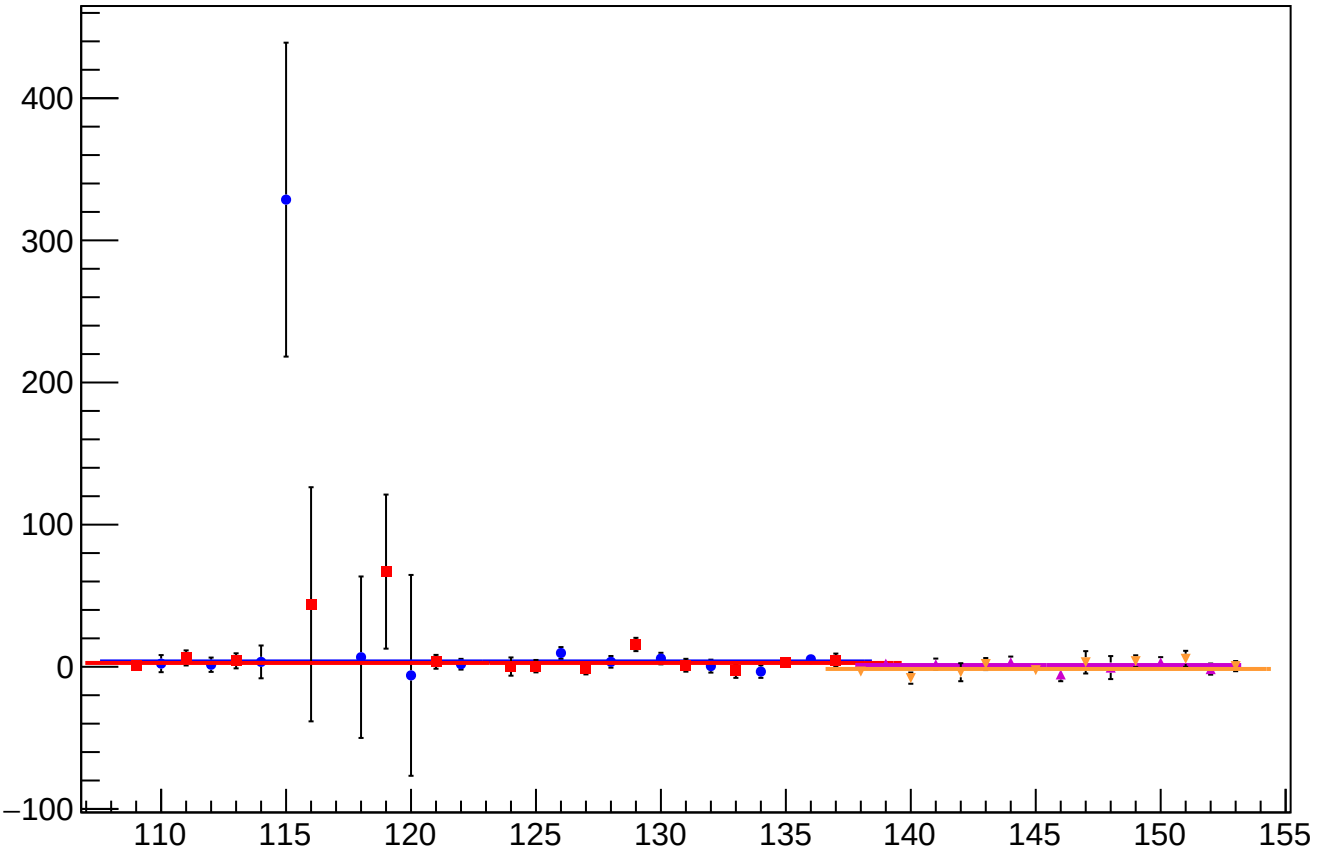
Left: 1010.238+/-0.198 χ^2/NDF: 238546.7/15

Right: 1543.555+/-0.362 χ^2/NDF: 3759789.5/26

In: 1148.579+/-0.255 χ^2/NDF:2959126.6/19

Out: 1119.824+/-0.239 χ^2/NDF:2698578.6/22

All: 1133.272+/-0.174 χ^2/NDF: 5664499.6/42



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -1.523+/-1.249 χ^2/NDF:8.2/8

Right Out: 2.709+/-1.211 χ^2/NDF: 13.6/13

Left In: 1.238+/-1.356 χ^2/NDF:3.2/6

Left: -0.256+/-0.919 χ^2/NDF: 13.7/15

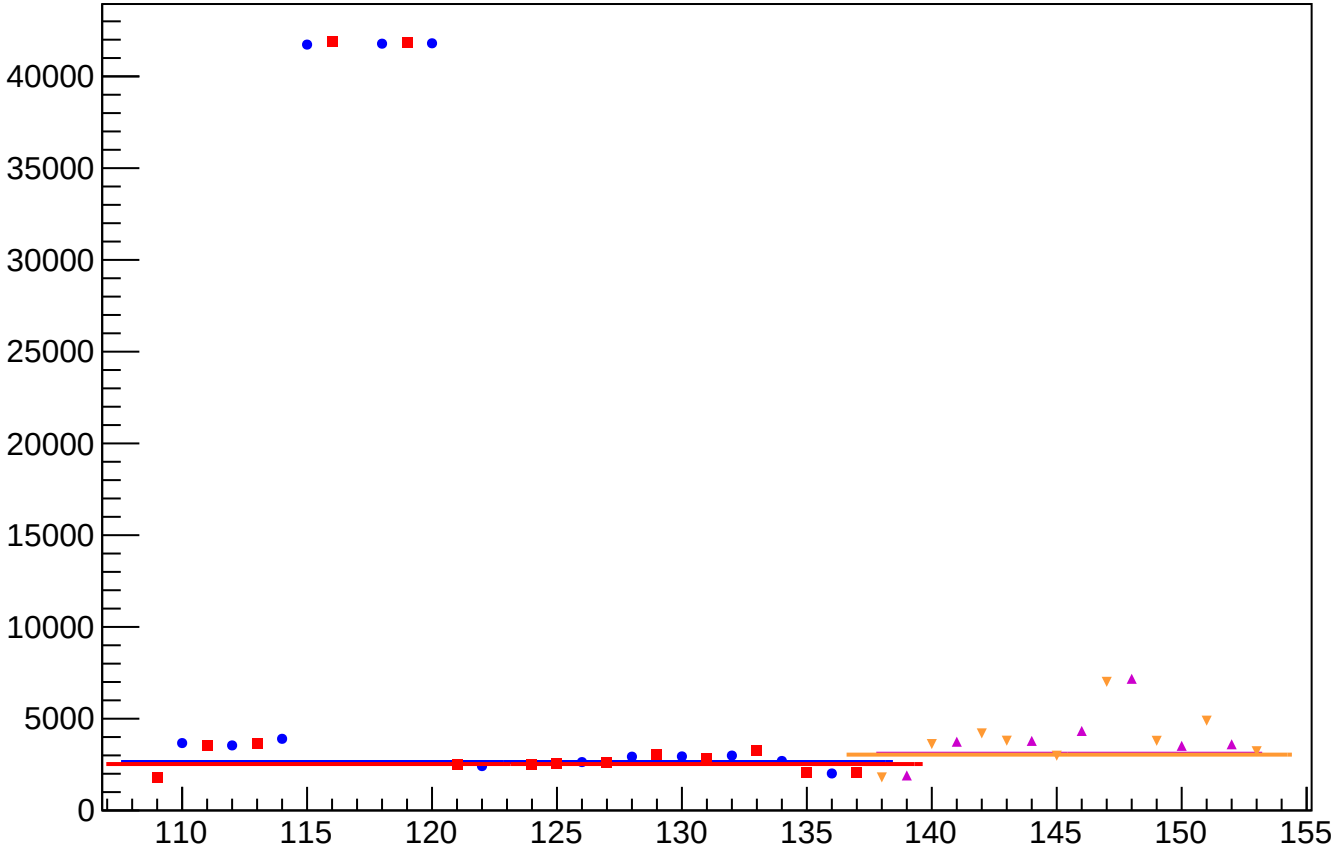
Right: 3.227+/-0.869 χ^2/NDF: 29.2/26

In: 2.613+/-0.919 χ^2/NDF:20.2/19

Out: 0.658+/-0.869 χ^2/NDF:27.8/22

All: 1.582+/-0.631 χ^2/NDF: 50.4/42

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 3042.107+/-0.883 χ^2/NDF:1669862.0/8

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

Left In: 3091.595+/-0.959 χ^2/NDF:1445021.5/6

Left: 3064.814+/-0.650 χ^2/NDF: 3116324.1/15

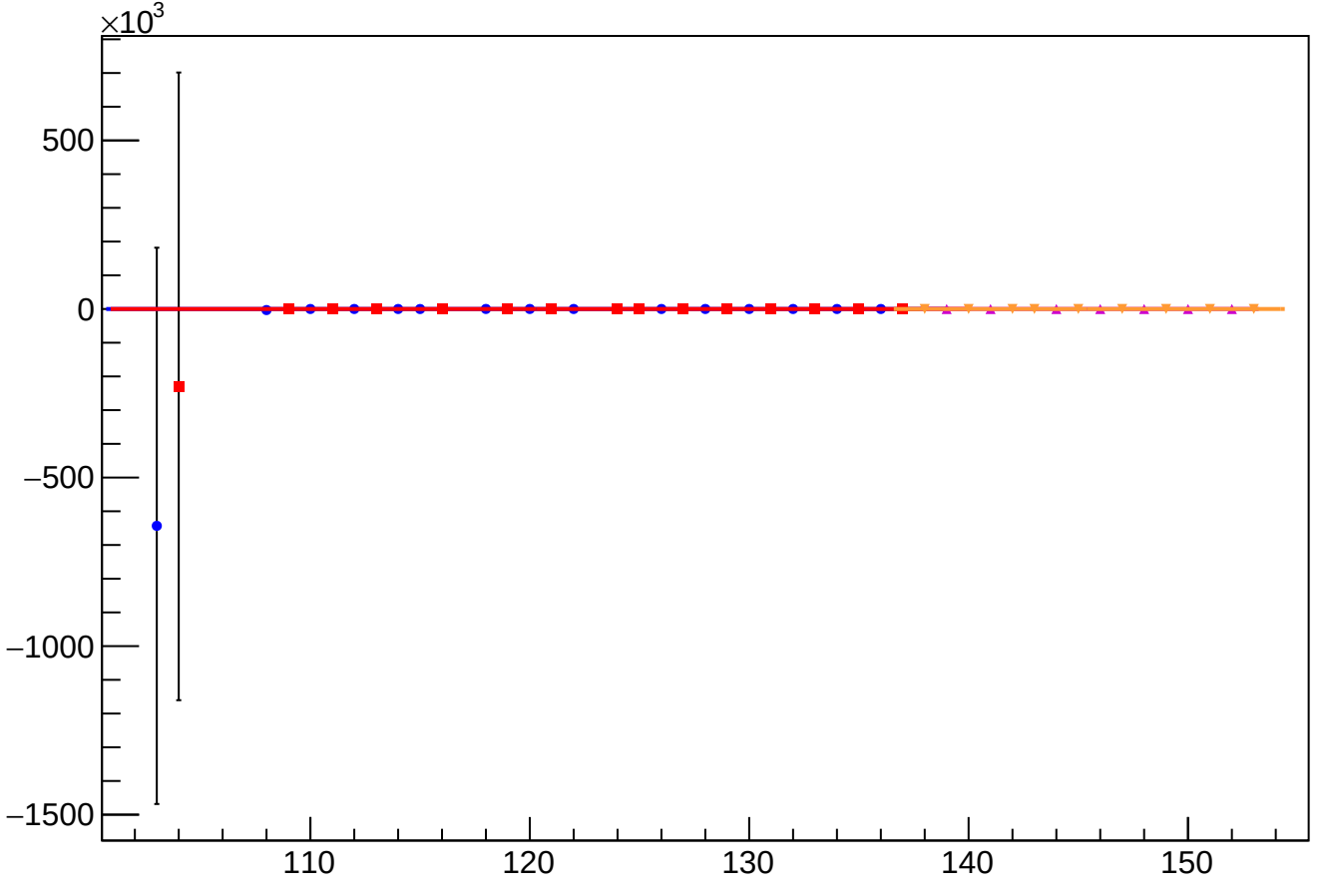
Right: 2582.794+/-0.615 χ^2/NDF: 4131459.2/26

In: 2847.052+/-0.650 χ^2/NDF:3738469.6/19

Out: 2777.617+/-0.615 χ^2/NDF:3793765.4/22

All: 2810.428+/-0.446 χ^2/NDF: 7538262.9/42

diff_bpm1p03aX_mean vs Slug, Sign Corrected



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -1.743+/-0.590 χ^2/NDF:19.8/8

Right Out: 2.670+/-1.211 χ^2/NDF: 14.4/14

Left In: 0.091+/-0.646 χ^2/NDF:10.6/6

Left: -0.909+/-0.436 χ^2/NDF: 34.8/15

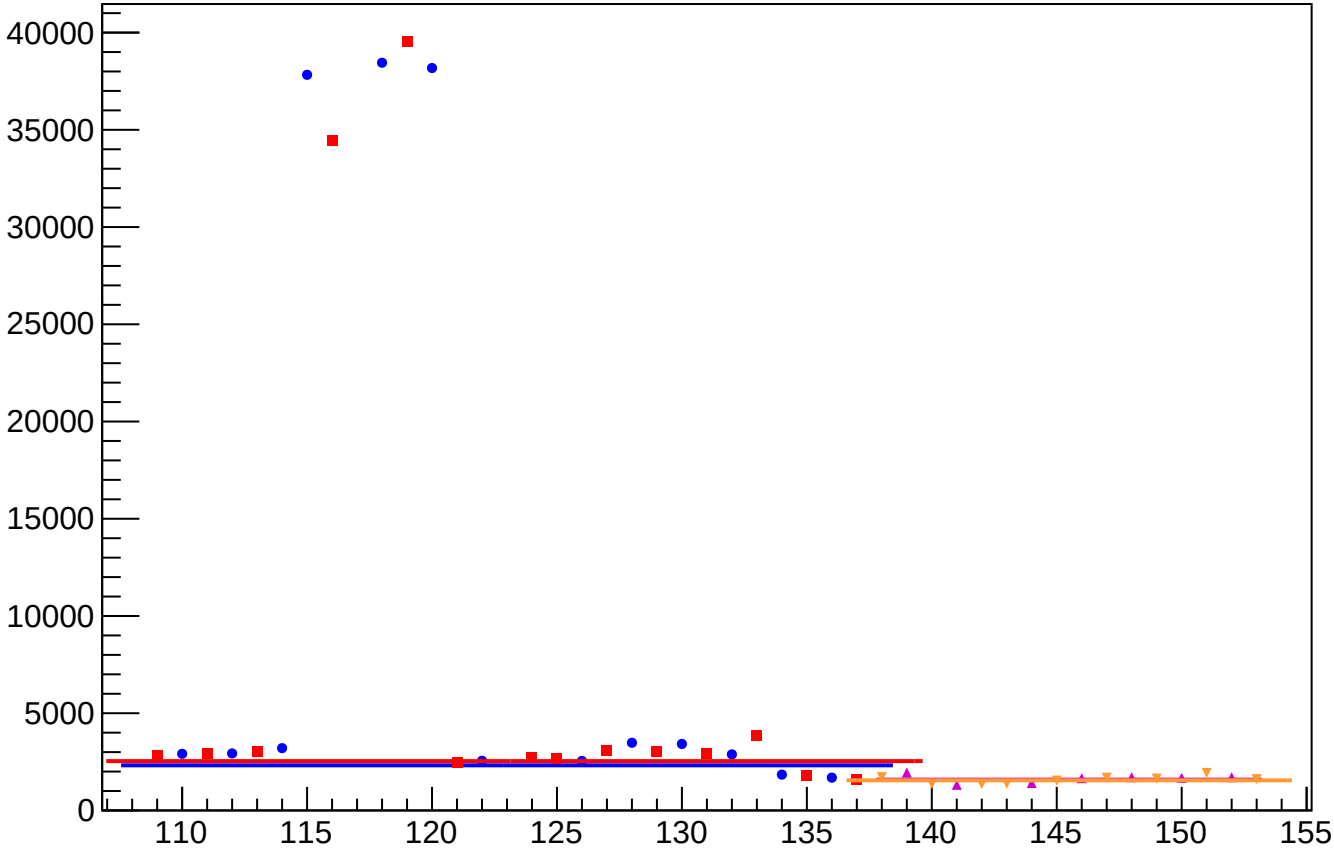
Right: 0.585+/-0.824 χ^2/NDF: 38.7/29

In: -0.233+/-0.560 χ^2/NDF:30.4/21

Out: -0.896+/-0.530 χ^2/NDF:44.9/23

All: -0.583+/-0.385 χ^2/NDF: 76.1/45

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1548.882+/-0.417 χ^2/NDF:172870.6/8

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

Left In: 1583.771+/-0.457 χ^2/NDF:183139.2/6

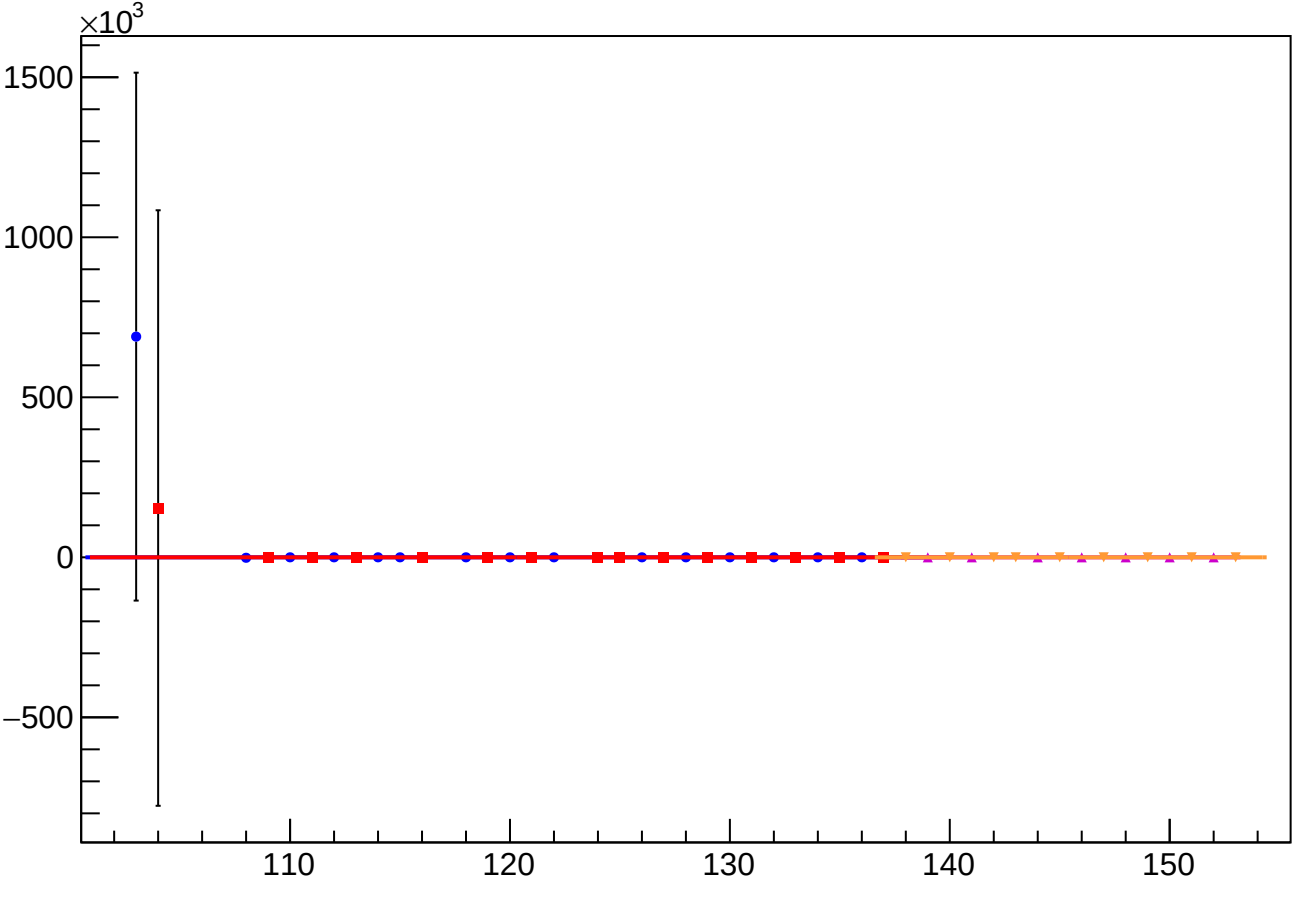
Left: 1564.746+/-0.308 χ^2/NDF: 359188.6/15

Right: 2421.061+/-0.583 χ^2/NDF: 4534110.8/26

In: 1766.482+/-0.396 χ^2/NDF:3289156.3/19

Out: 1738.577+/-0.375 χ^2/NDF:3288219.6/22

All: 1751.765+/-0.272 χ^2/NDF: 6579991.2/42



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -0.482+/-0.833 χ^2/NDF:10.6/8

Right Out: 1.893+/-1.052 χ^2/NDF: 15.3/14

Left In: -0.410+/-0.836 χ^2/NDF:3.0/6

Left: -0.446+/-0.590 χ^2/NDF: 13.6/15

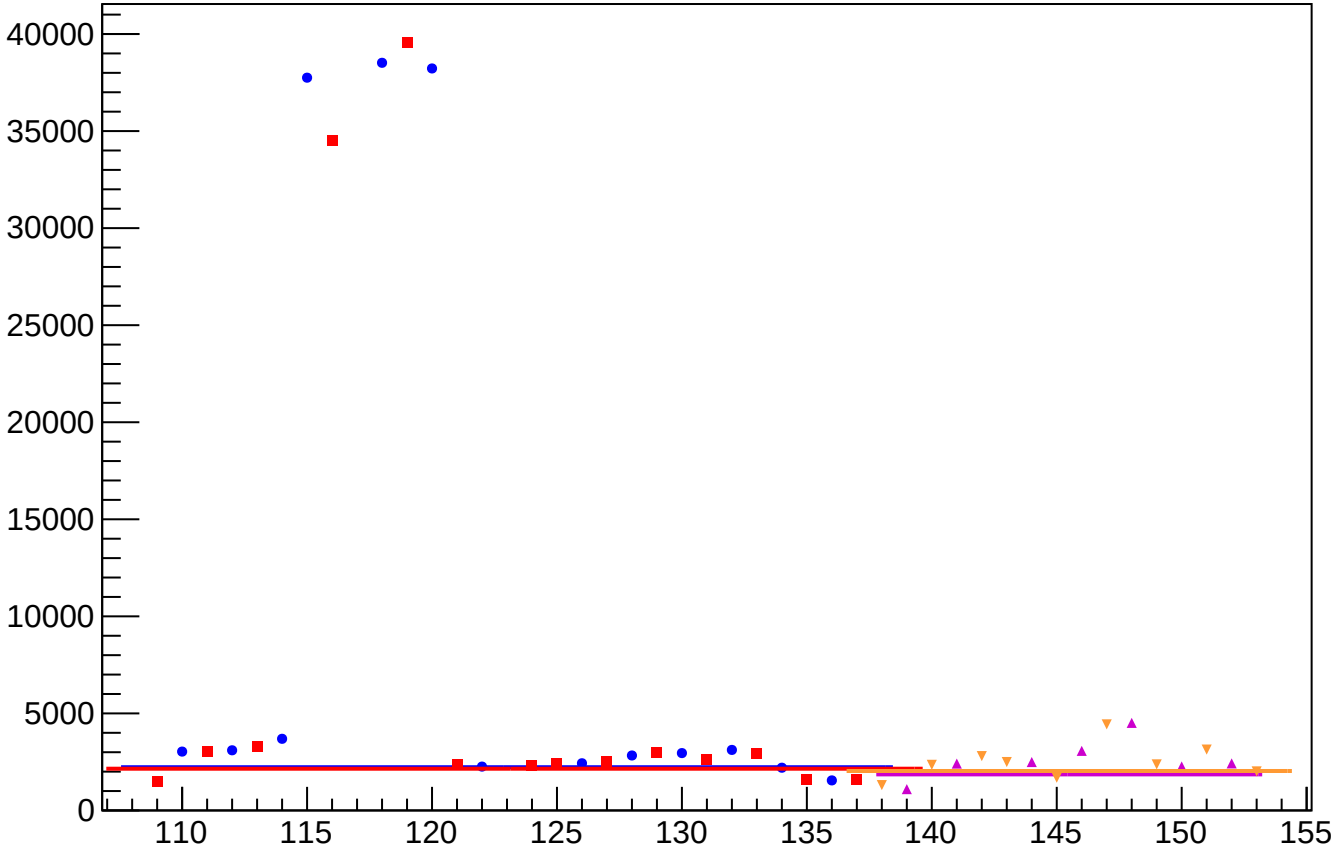
Right: 1.803+/-0.752 χ^2/NDF: 20.3/29

In: 0.387+/-0.660 χ^2/NDF:10.4/21

Out: 0.434+/-0.653 χ^2/NDF:29.0/23

All: 0.411+/-0.464 χ^2/NDF: 39.5/45

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 2033.018+/-0.589 χ^2/NDF:1308212.8/8

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

Left In: 1858.410+/-0.591 χ^2/NDF:1966790.9/6

Left: 1946.018+/-0.417 χ^2/NDF: 3318759.8/15

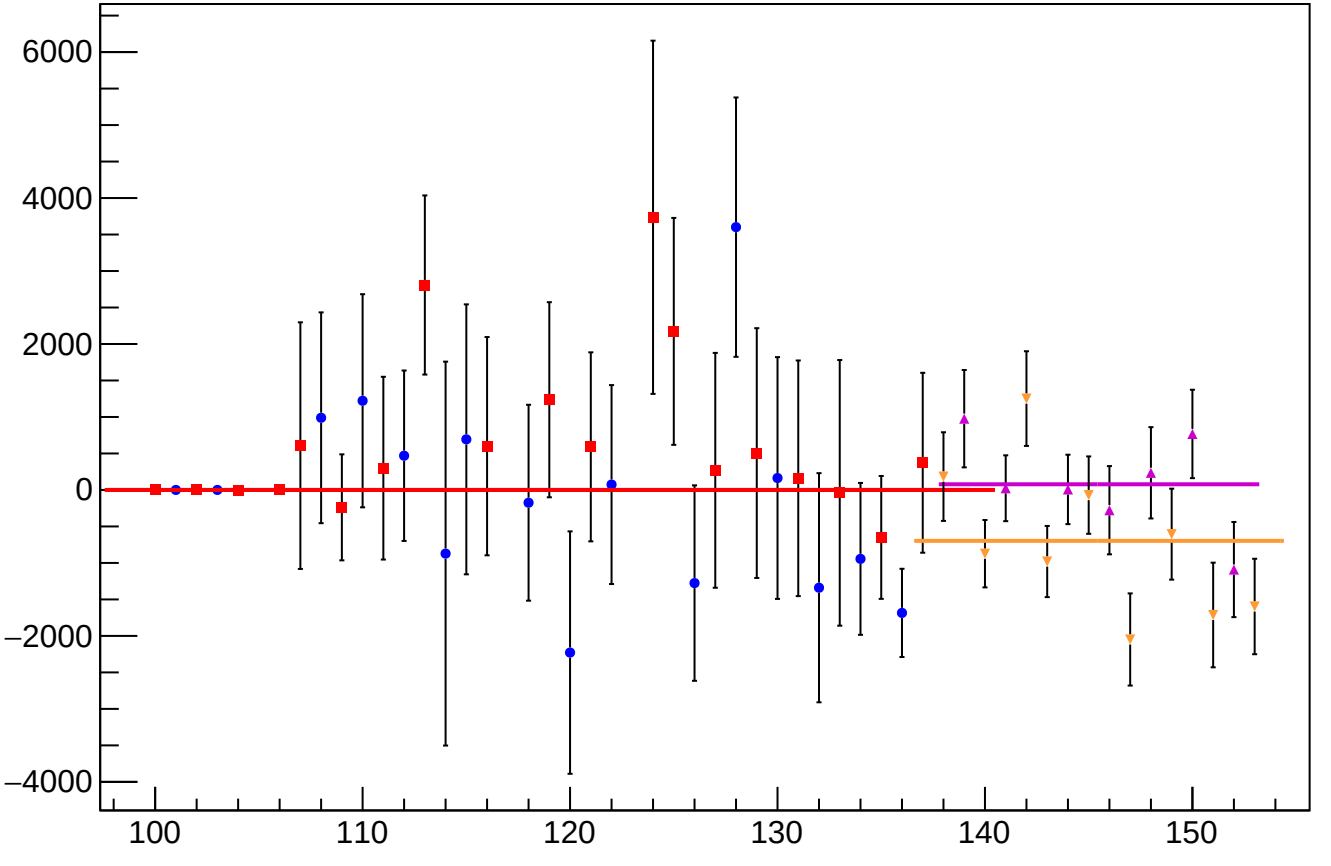
Right: 2188.011+/-0.532 χ^2/NDF: 4758723.2/26

In: 1997.111+/-0.467 χ^2/NDF:4635290.6/19

Out: 2078.456+/-0.462 χ^2/NDF:3554955.4/22

All: 2038.230+/-0.328 χ^2/NDF: 8205587.7/42

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.255+/-0.356 χ^2/NDF: 17.7/15

Left Out: -697.340+/-192.783 χ^2/NDF:21.5/8

Right Out: -0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: 77.796+/-213.443 χ^2/NDF:6.8/6

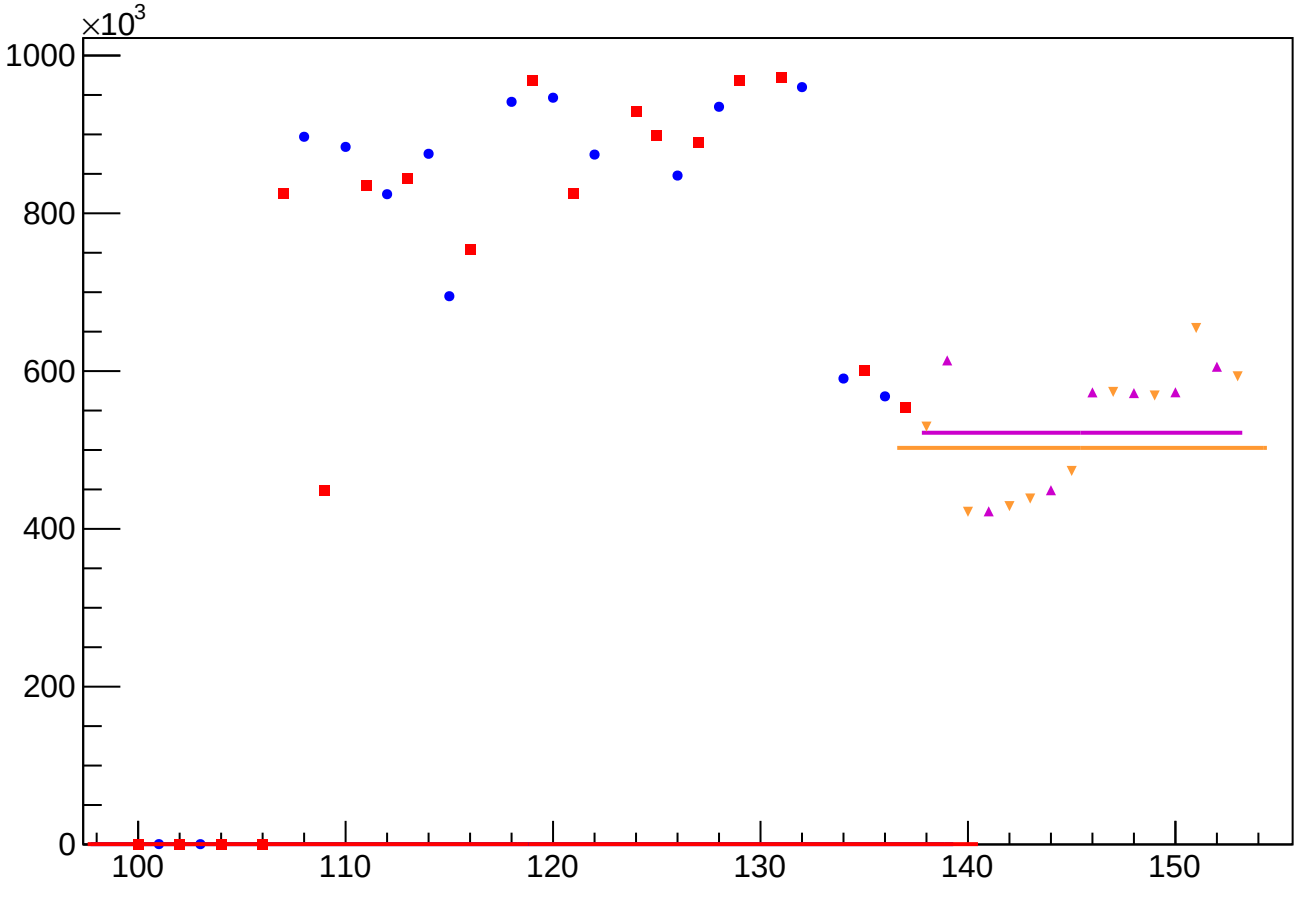
Left: -349.093+/-143.066 χ^2/NDF: 35.6/15

Right: 0.065+/-0.241 χ^2/NDF: 33.7/34

In: 0.256+/-0.356 χ^2/NDF:24.6/22

Out: -0.098+/-0.328 χ^2/NDF:50.0/27

All: 0.064+/-0.241 χ^2/NDF: 75.2/50



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 502670.391+/-136.318 χ^2/NDF:308374.3/8

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

Left In: 521853.385+/-150.927 χ^2/NDF:256737.2/6

Left: 511288.779+/-101.163 χ^2/NDF: 574008.2/15

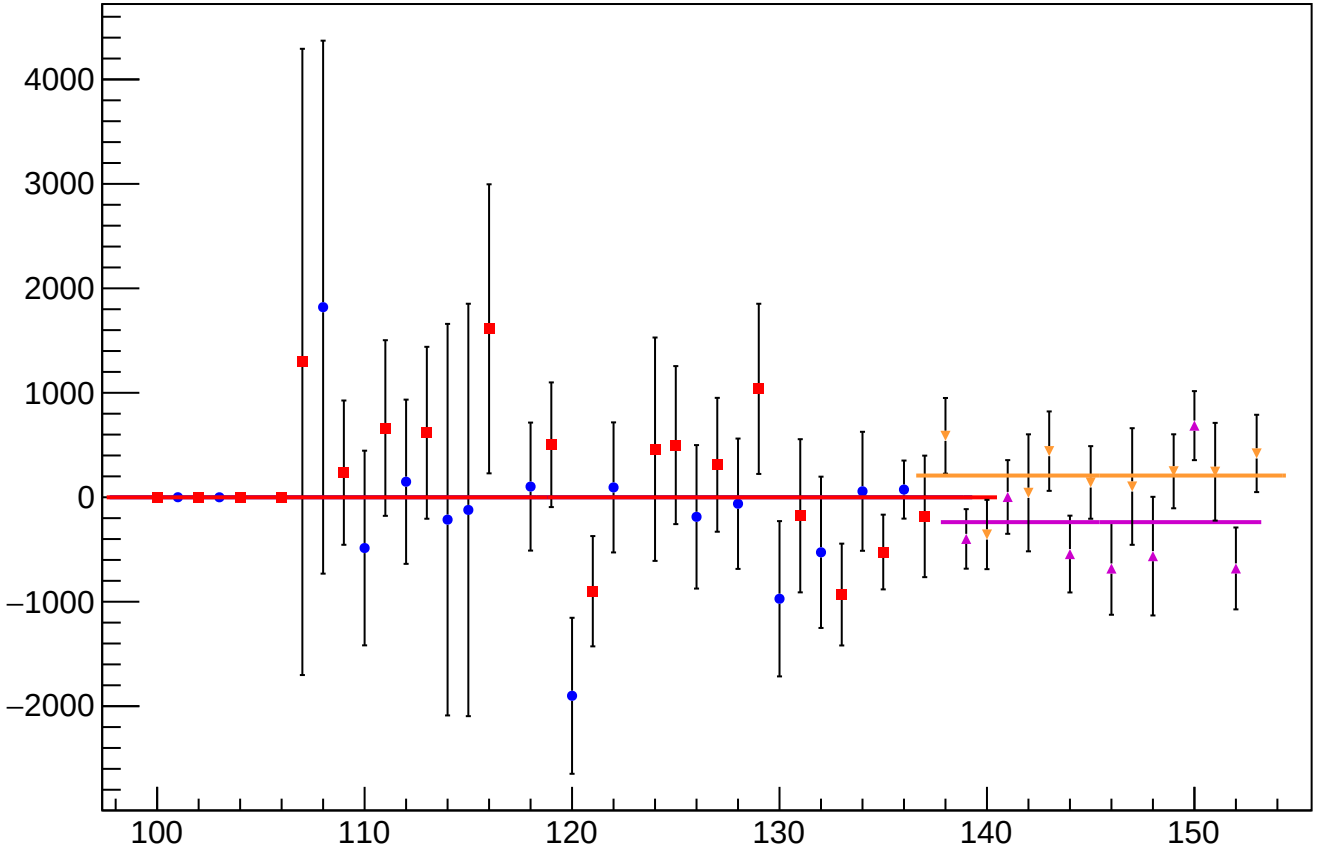
Right: 395.831+/-0.170 χ^2/NDF: 16140681.1/32

In: 400.329+/-0.251 χ^2/NDF:20685596.5/21

Out: 394.692+/-0.232 χ^2/NDF:21533128.1/26

All: 397.281+/-0.170 χ^2/NDF: 42218996.3/48

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 207.999+/-131.137 χ^2/NDF:4.9/8

Right Out: -0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: -238.137+/-139.184 χ^2/NDF:11.9/6

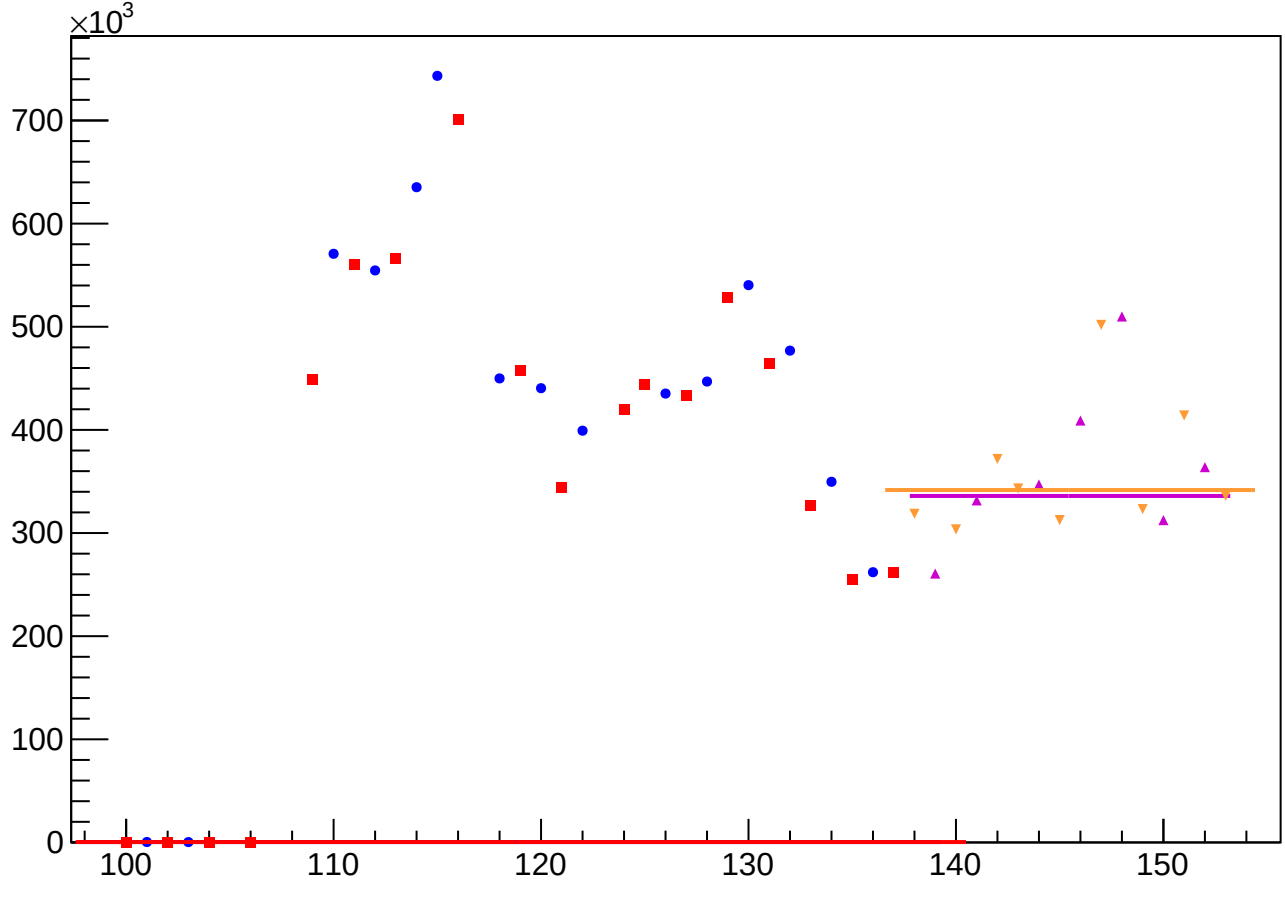
Left: -1.800+/-95.446 χ^2/NDF: 22.2/15

Right: -0.330+/-0.237 χ^2/NDF: 27.0/34

In: -0.022+/-0.347 χ^2/NDF:25.3/22

Out: -0.597+/-0.324 χ^2/NDF:22.4/27

All: -0.330+/-0.237 χ^2/NDF: 49.2/50



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 341680.572+/-92.728 χ^2/NDF:272697.2/8

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

Left In: 335952.559+/-98.433 χ^2/NDF:403921.0/6

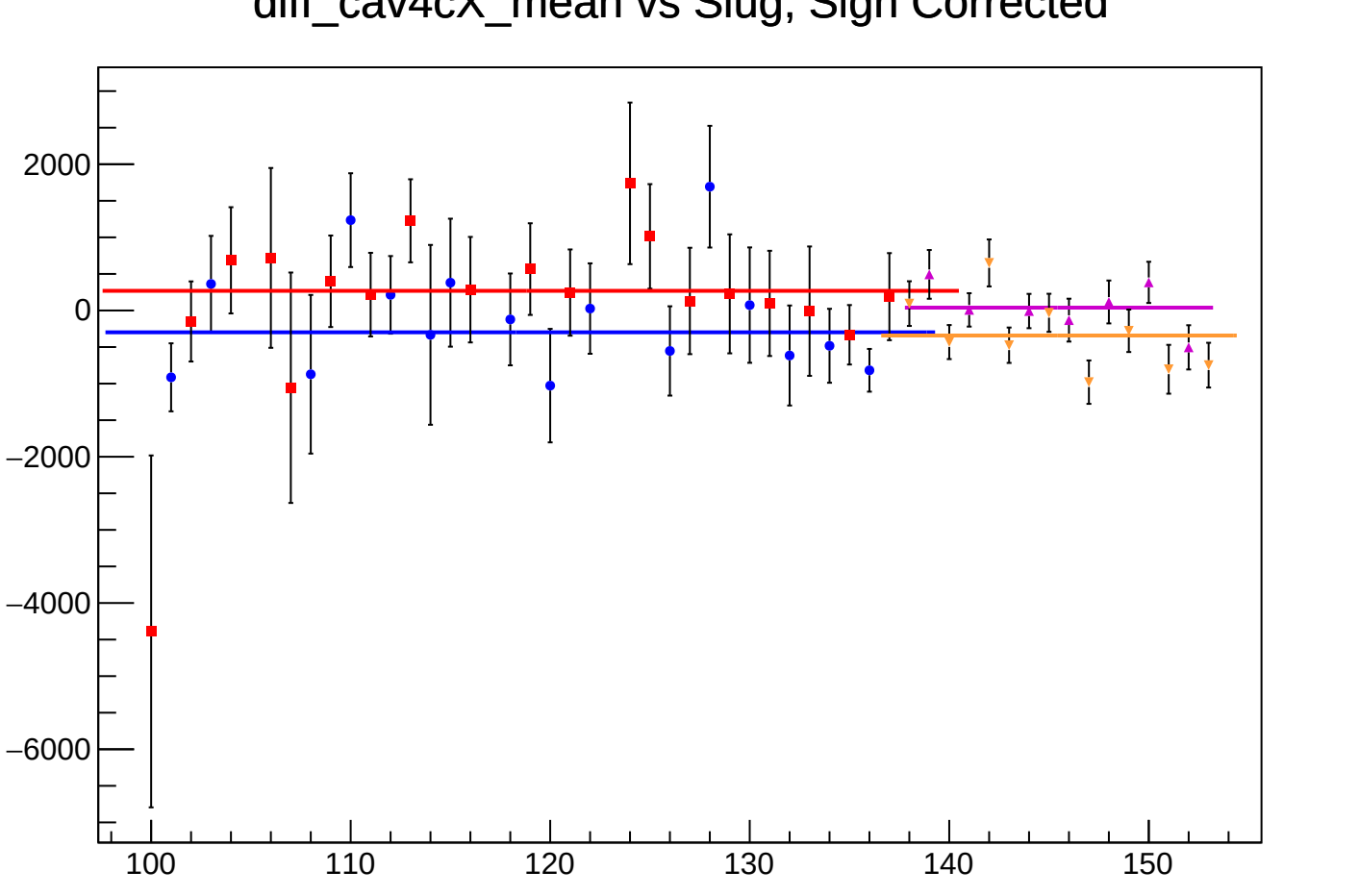
Left: 338987.352+/-67.495 χ^2/NDF: 678412.4/15

Right: 389.050+/-0.167 χ^2/NDF: 22206589.6/32

In: 392.362+/-0.245 χ^2/NDF:23157760.5/21

Out: 390.065+/-0.229 χ^2/NDF:24893615.0/26

All: 391.134+/-0.167 χ^2/NDF: 48051422.3/48



Right In: -298.263+/-147.367 χ^2/NDF: 21.2/15

Left Out: -342.089+/-93.825 χ^2/NDF:21.8/8

Right Out: 268.892+/-156.582 χ^2/NDF: 13.9/18

Left In: 38.857+/-103.604 χ^2/NDF:7.1/6

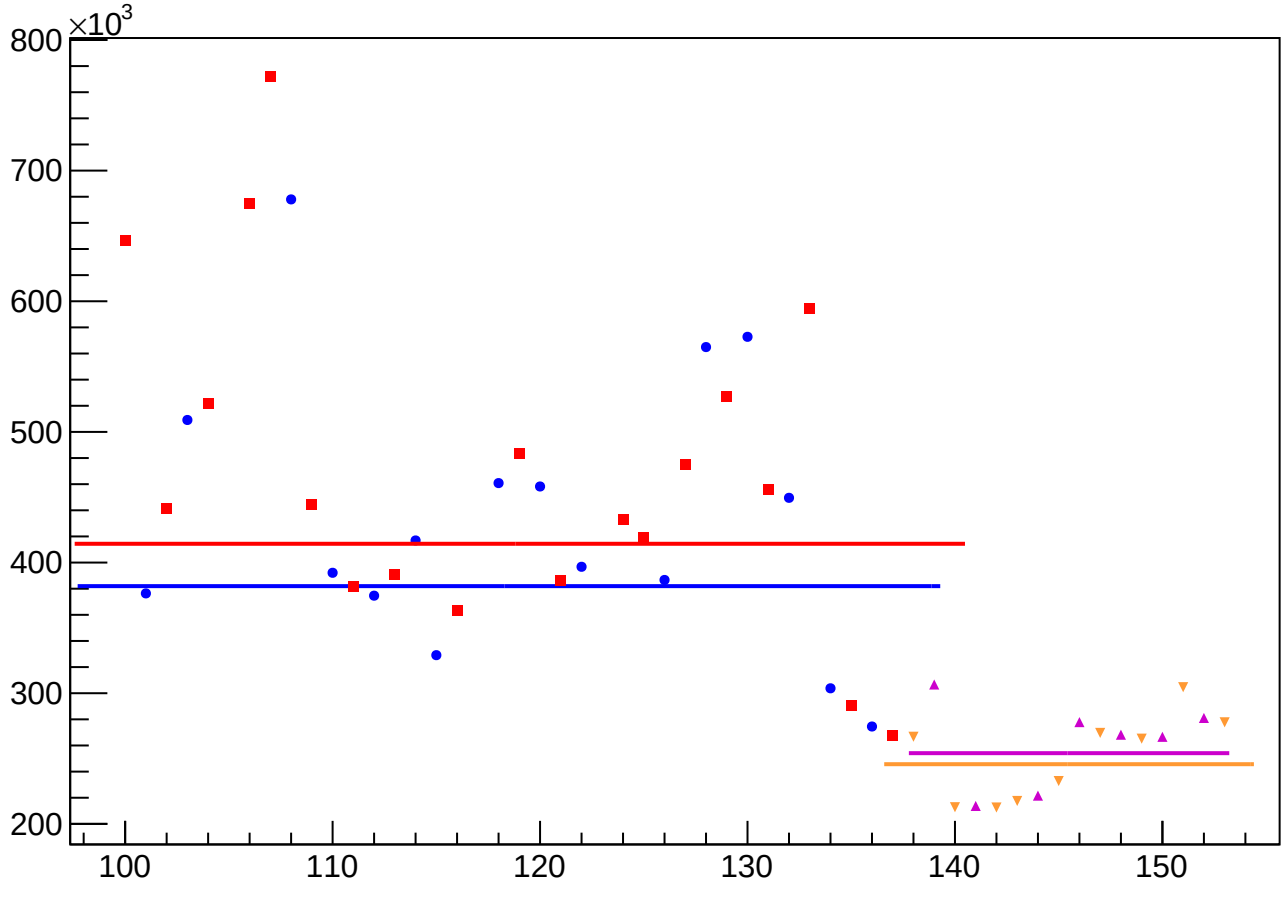
Left: -170.438+/-69.545 χ^2/NDF: 36.3/15

Right: -31.865+/-107.314 χ^2/NDF: 42.0/34

In: -72.653+/-84.755 χ^2/NDF:31.7/22

Out: -180.672+/-80.483 χ^2/NDF:46.9/27

All: -129.454+/-58.362 χ^2/NDF: 79.5/50



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 245674.376+/-66.345 χ^2/NDF:209117.5/8

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

Left In: 254119.511+/-73.259 χ^2/NDF:188323.0/6

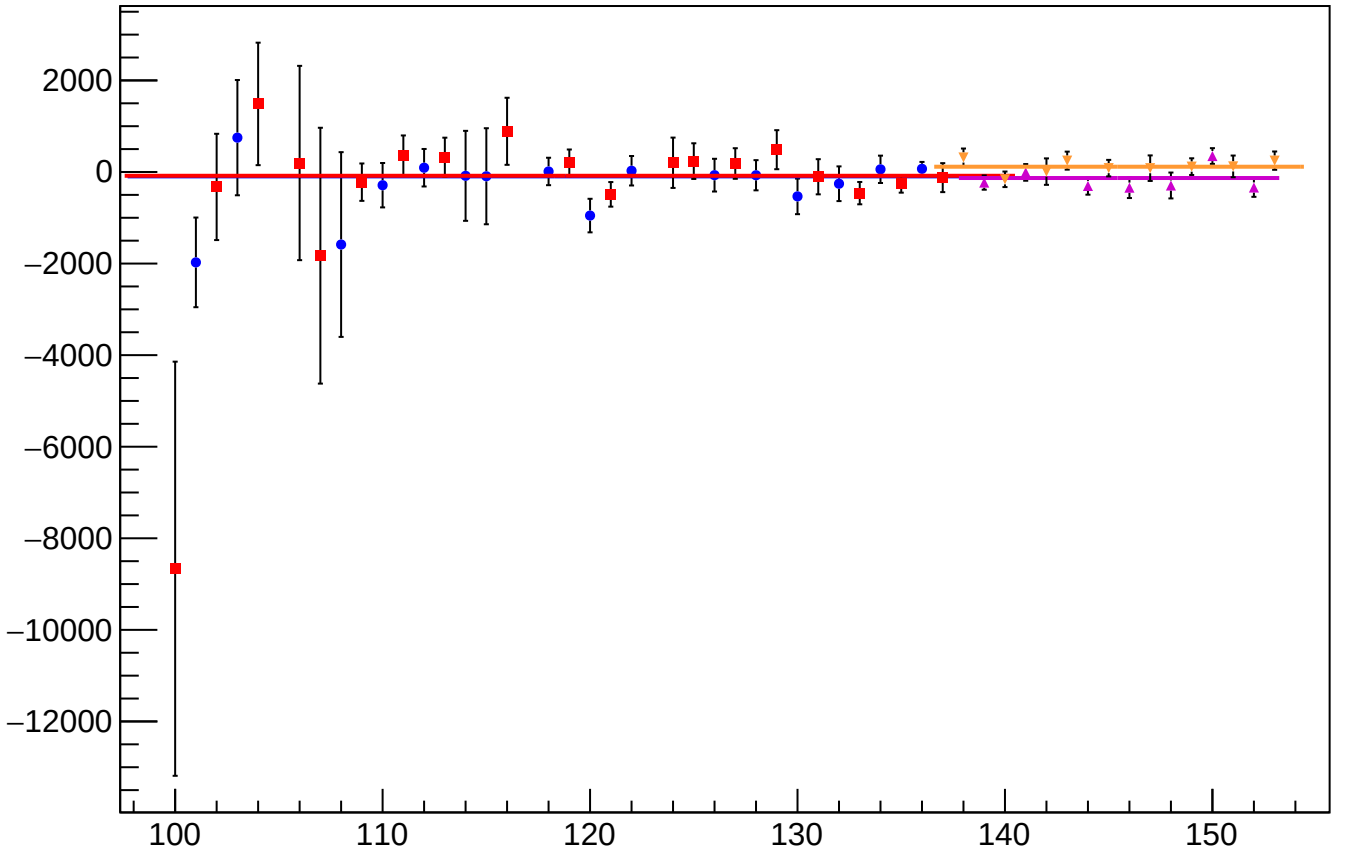
Left: 249479.675+/-49.176 χ^2/NDF: 404741.5/15

Right: 397186.164+/-75.899 χ^2/NDF: 1641963.2/34

In: 296395.426+/-59.934 χ^2/NDF:2031785.1/22

Out: 290228.038+/-56.914 χ^2/NDF:2676842.2/27

All: 293152.405+/-41.271 χ^2/NDF: 4714195.2



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 115.042+/-68.172 χ^2/NDF:4.8/8

Right Out: -82.750+/-87.316 χ^2/NDF: 19.1/18

Left In: -131.655+/-72.772 χ^2/NDF:11.7/6

Left: -0.263+/-49.752 χ^2/NDF: 22.6/15

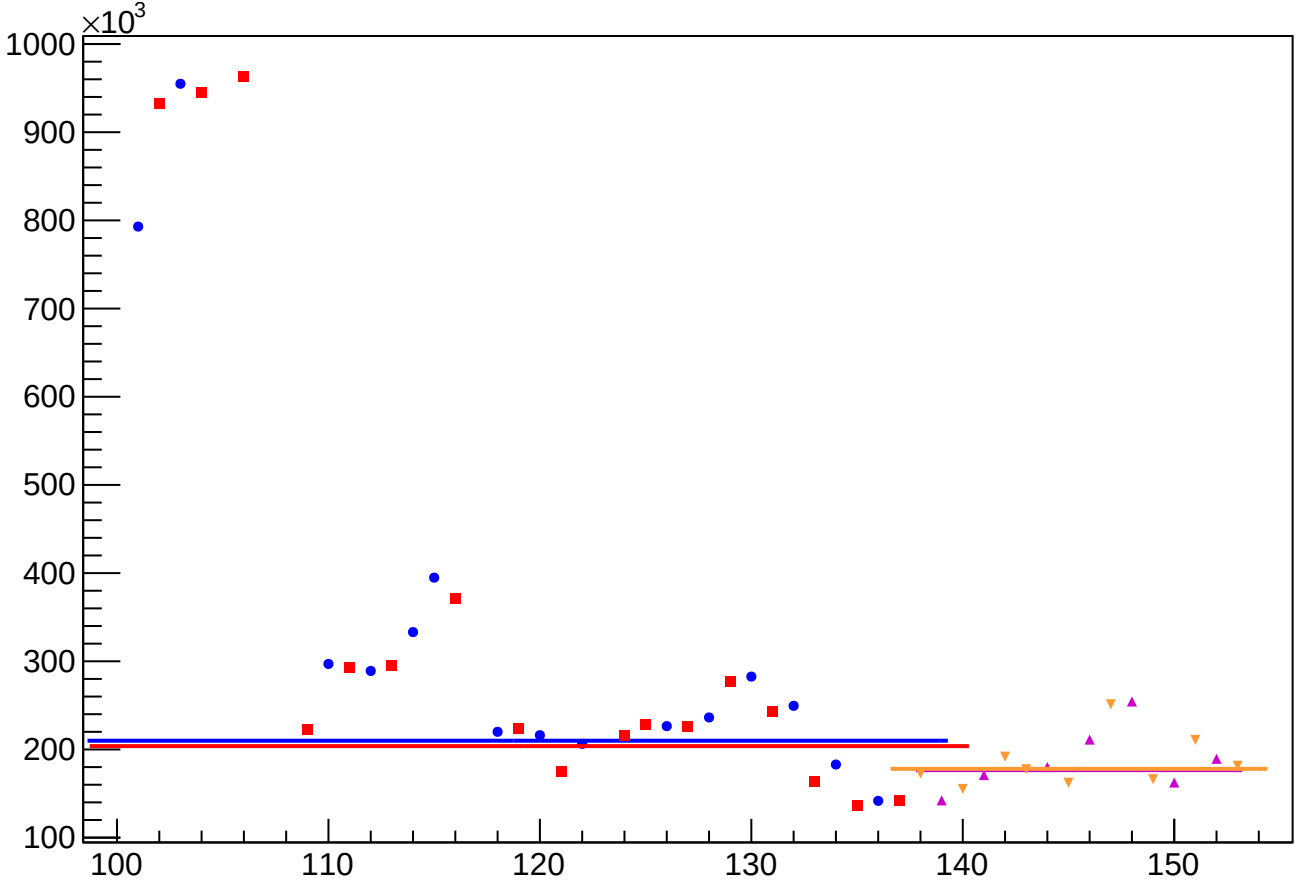
Right: -89.229+/-62.075 χ^2/NDF: 32.8/34

In: -117.166+/-56.149 χ^2/NDF:25.5/22

Out: 40.135+/-53.734 χ^2/NDF:27.0/27

All: -35.060+/-38.822 χ^2/NDF: 56.7/50

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 178013.409+/-48.205 χ^2/NDF:242316.8/8

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

Left In: 176554.522+/-51.458 χ^2/NDF:319051.6/6

Left: 177331.529+/-35.180 χ^2/NDF: 561796.5/15

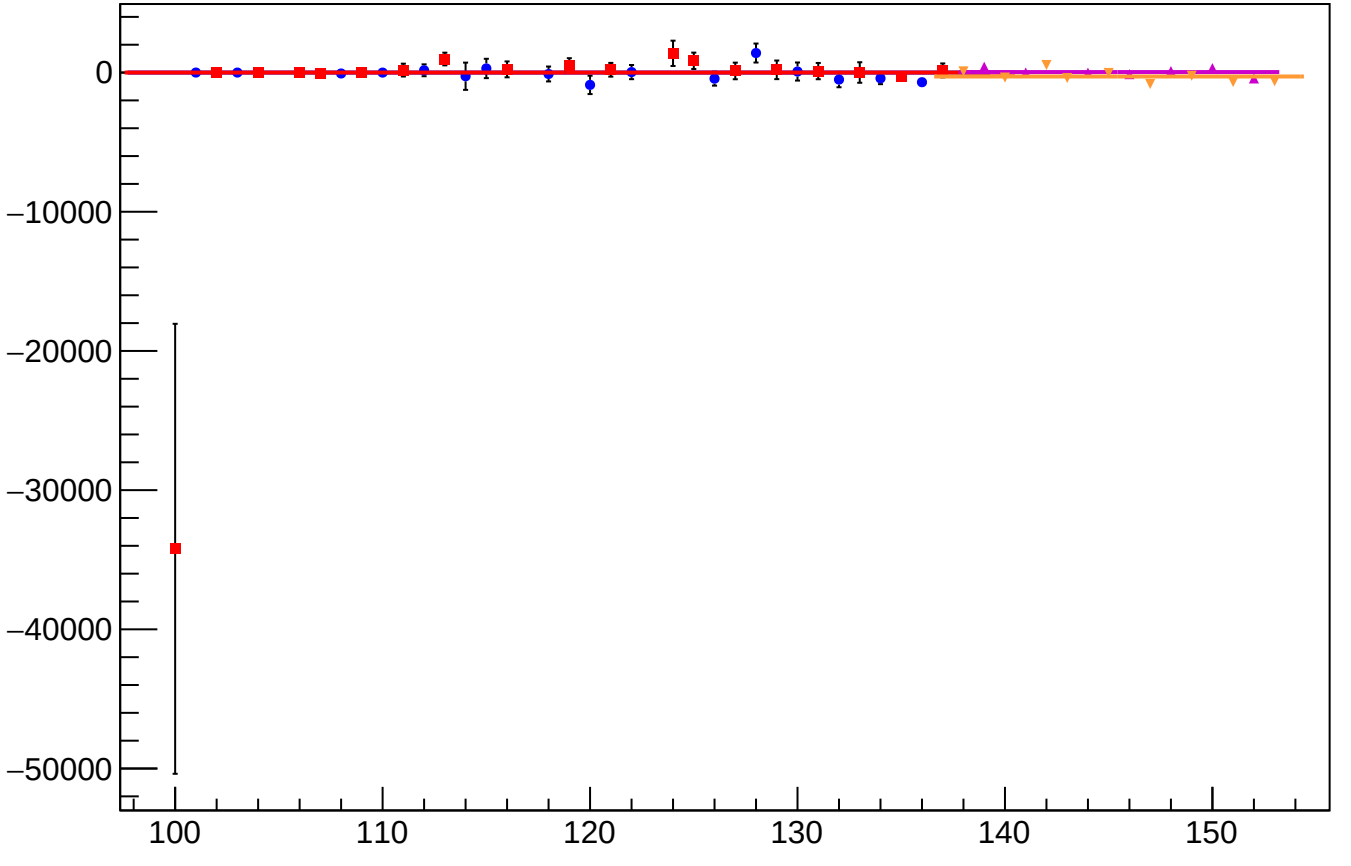
Right: 206830.314+/-43.987 χ^2/NDF: 4035239.4/31

In: 190032.093+/-39.732 χ^2/NDF:2448824.4/21

Out: 187746.701+/-38.031 χ^2/NDF:2420779.4/25

All: 188839.454+/-27.474 χ^2/NDF: 4871330.

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -282.742+/-78.391 χ^2/NDF:21.9/8

Right Out: 0.355+/-0.160 χ^2/NDF: 16.5/18

Left In: 35.426+/-86.743 χ^2/NDF:7.1/6

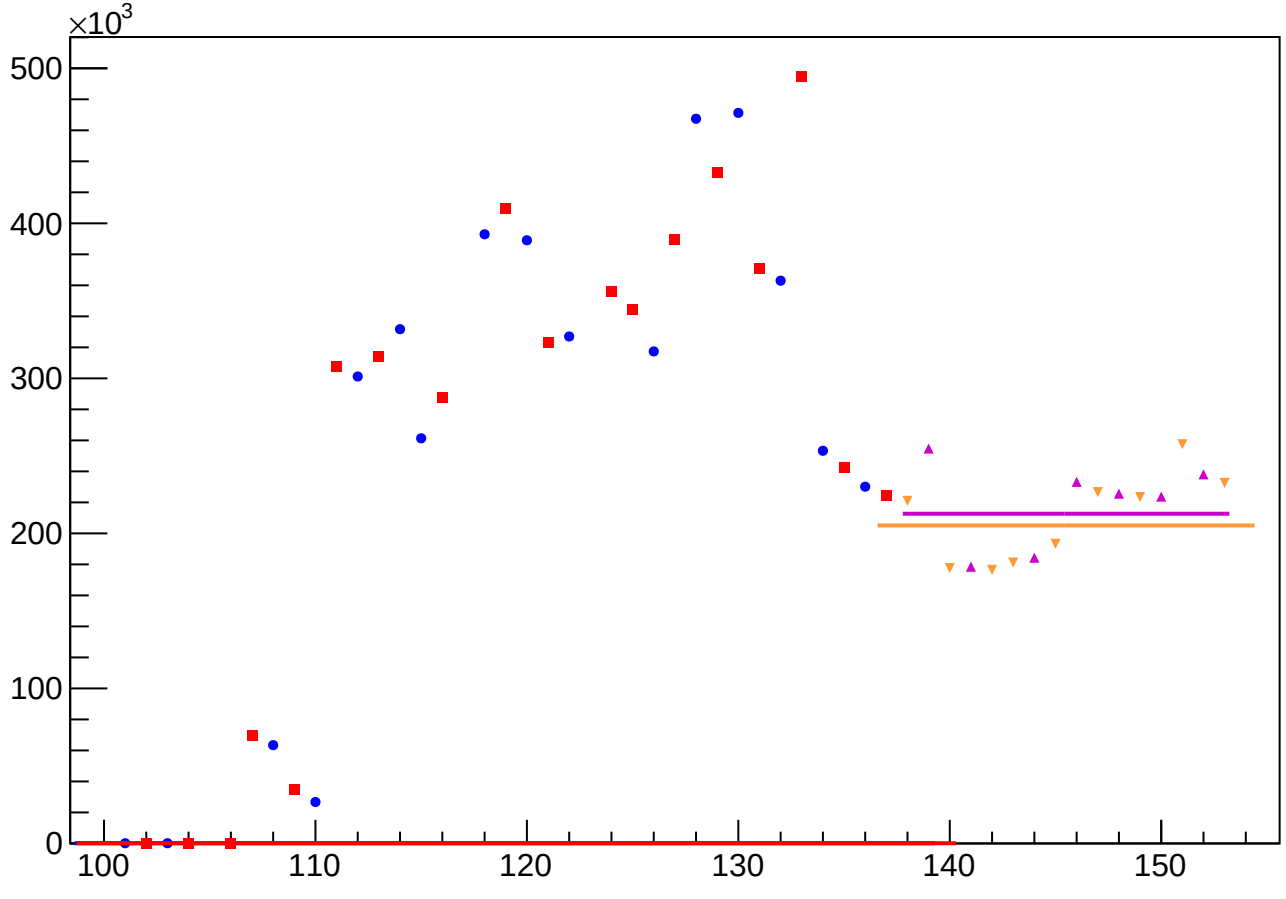
Left: -139.710+/-58.160 χ^2/NDF: 36.4/15

Right: 0.174+/-0.117 χ^2/NDF: 37.4/34

In: -0.035+/-0.172 χ^2/NDF:25.4/22

Out: 0.354+/-0.160 χ^2/NDF:51.4/27

All: 0.174+/-0.117 χ^2/NDF: 79.5/50



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 205124.898+/-55.431 χ^2/NDF:223198.2/8

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

Left In: 212686.975+/-61.337 χ^2/NDF:196137.8/6

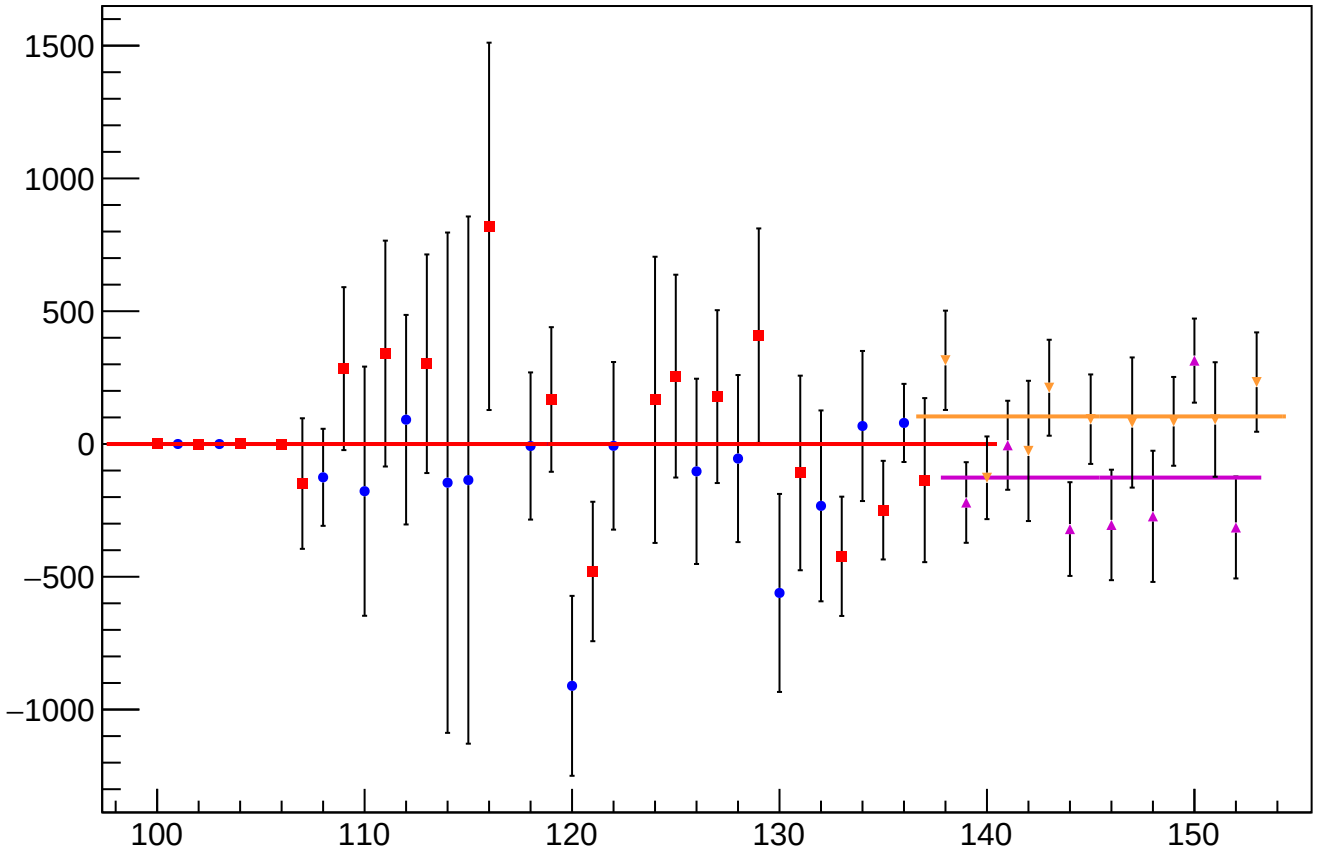
Left: 208524.422+/-41.125 χ^2/NDF: 427702.7/15

Right: 149.246+/-0.083 χ^2/NDF: 22590655.3/33

In: 149.930+/-0.122 χ^2/NDF:23504908.9/22

Out: 150.234+/-0.113 χ^2/NDF:25186086.4/26

All: 150.093+/-0.083 χ^2/NDF: 48690998.7/49



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 103.763+/-62.928 χ^2/NDF:4.6/8

Right Out: -0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: -126.550+/-67.784 χ^2/NDF:11.9/6

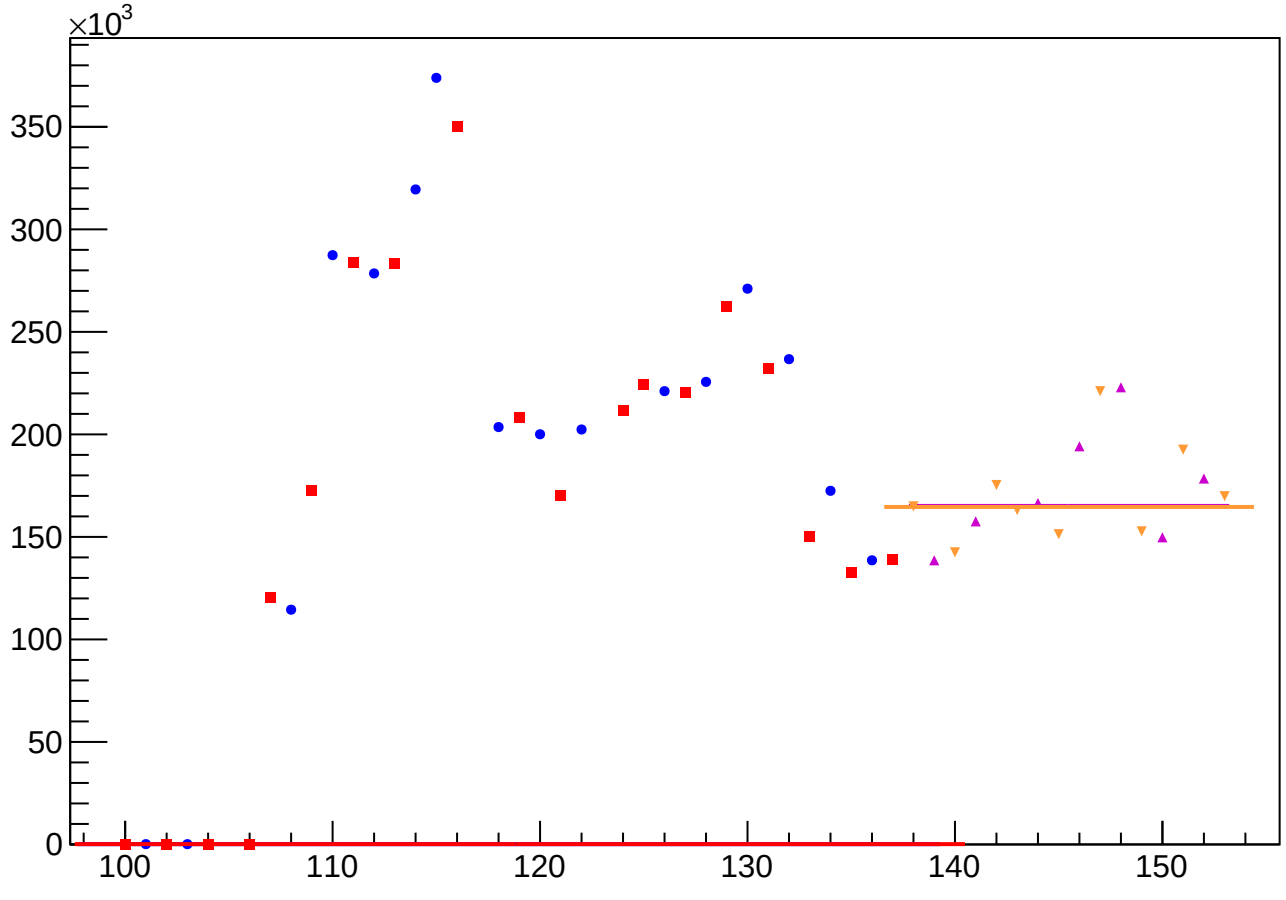
Left: -2.848+/-46.118 χ^2/NDF: 22.7/15

Right: -0.099+/-0.121 χ^2/NDF: 26.5/34

In: -0.069+/-0.177 χ^2/NDF:26.6/22

Out: -0.125+/-0.166 χ^2/NDF:22.5/27

All: -0.099+/-0.121 χ^2/NDF: 49.2/50



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 164609.465+/-44.497 χ^2/NDF:207648.5/8

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

Left In: 165108.705+/-47.930 χ^2/NDF:242478.6/6

Left: 164840.563+/-32.610 χ^2/NDF: 450185.3/15

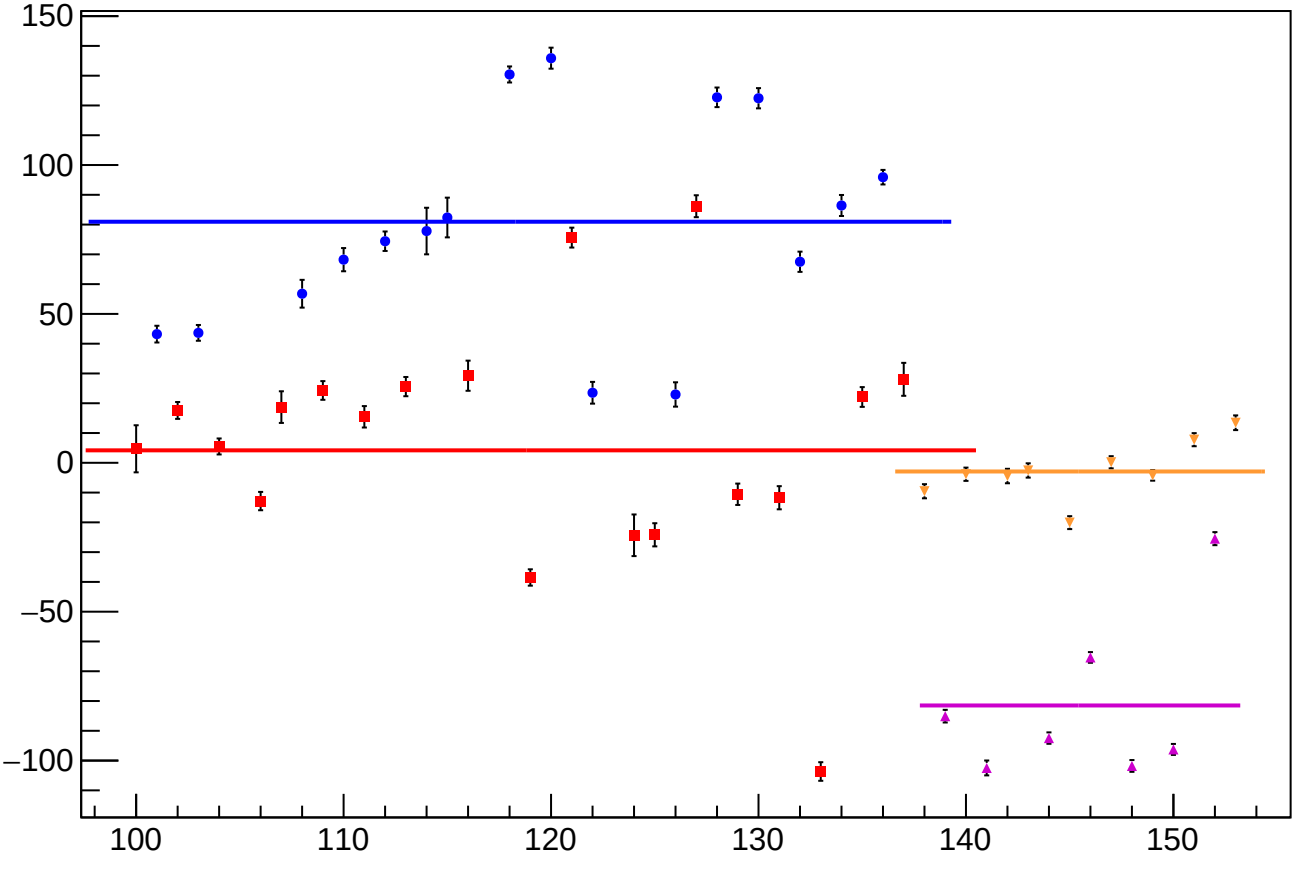
Right: 154.893+/-0.086 χ^2/NDF: 23236046.4/34

In: 154.588+/-0.125 χ^2/NDF:23991697.5/22

Out: 157.309+/-0.118 χ^2/NDF:25197895.2/27

All: 156.033+/-0.086 χ^2/NDF: 49189843.1/50

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: -2.915+/-0.734 χ^2/NDF:141.4/8

Right Out: 4.183+/-0.820 χ^2/NDF: 2719.7/18

Left In: -81.492+/-0.762 χ^2/NDF:1009.1/6

Left: -40.717+/-0.528 χ^2/NDF: 6671.3/15

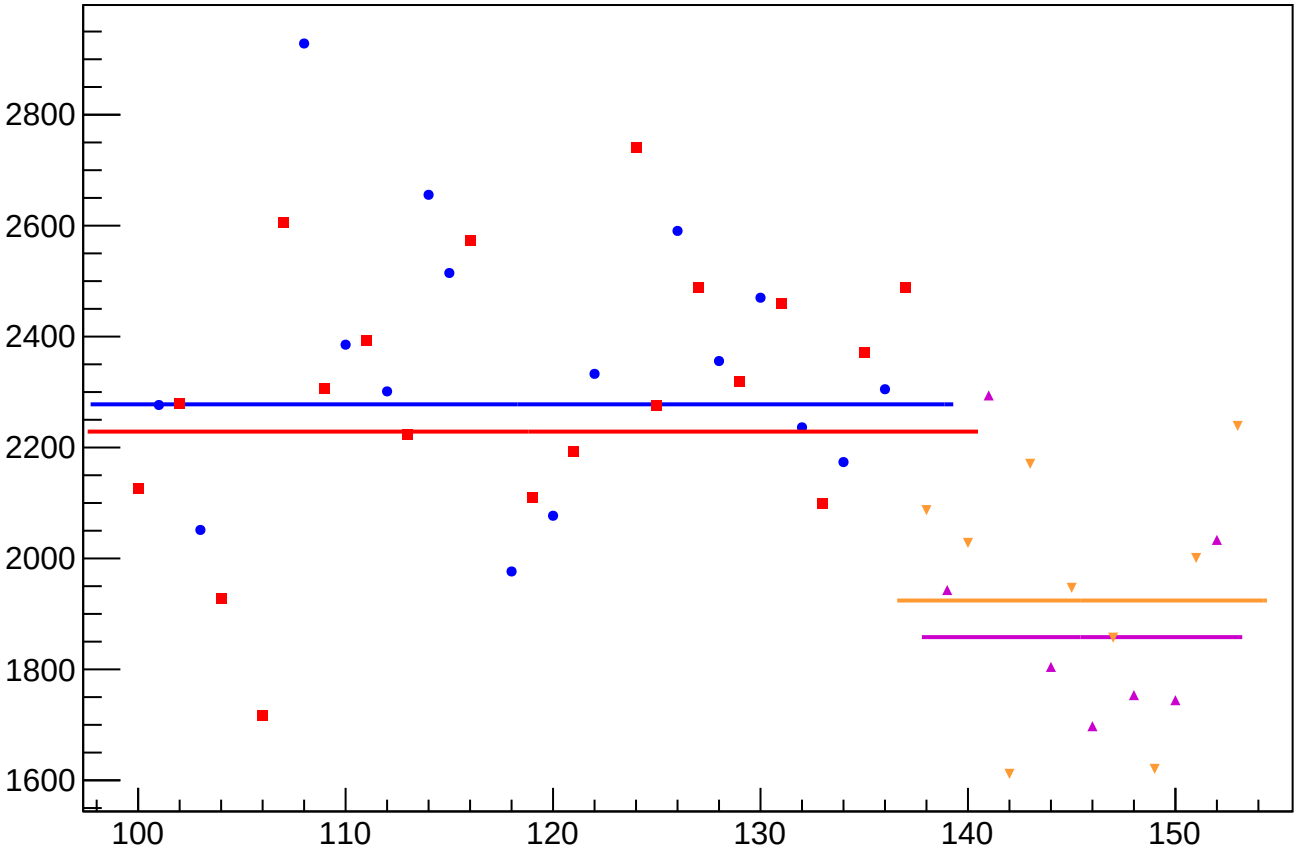
Right: 41.130+/-0.591 χ^2/NDF: 8751.0/34

In: -9.267+/-0.568 χ^2/NDF:23039.5/22

Out: 0.240+/-0.547 χ^2/NDF:2902.8/27

All: -4.335+/-0.394 χ^2/NDF: 26087.8/50

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 1924.146+/-0.519 χ^2/NDF:163440.0/8

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

Left In: 1858.154+/-0.539 χ^2/NDF:107557.7/6

Left: 1892.398+/-0.374 χ^2/NDF: 278785.7/15

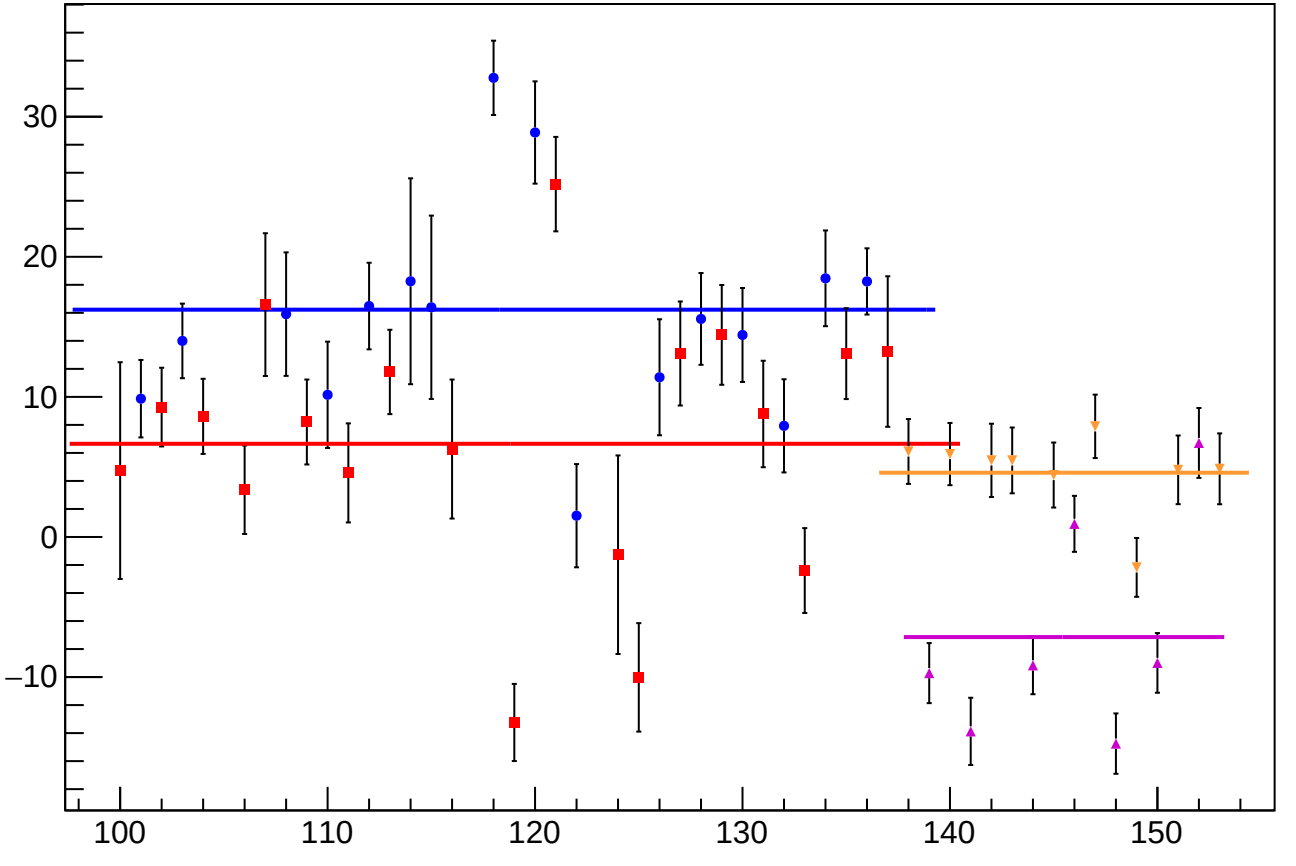
Right: 2252.356+/-0.418 χ^2/NDF: 270367.9/34

In: 2044.760+/-0.401 χ^2/NDF:493239.3/22

Out: 2059.496+/-0.387 χ^2/NDF:467798.5/27

All: 2052.405+/-0.278 χ^2/NDF: 961736.9/50

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 4.588+/-0.779 χ^2/NDF:13.6/8

Right Out: 6.652+/-0.809 χ^2/NDF: 134.6/18

Left In: -7.145+/-0.824 χ^2/NDF:70.7/6

Left: -0.952+/-0.566 χ^2/NDF: 191.3/15

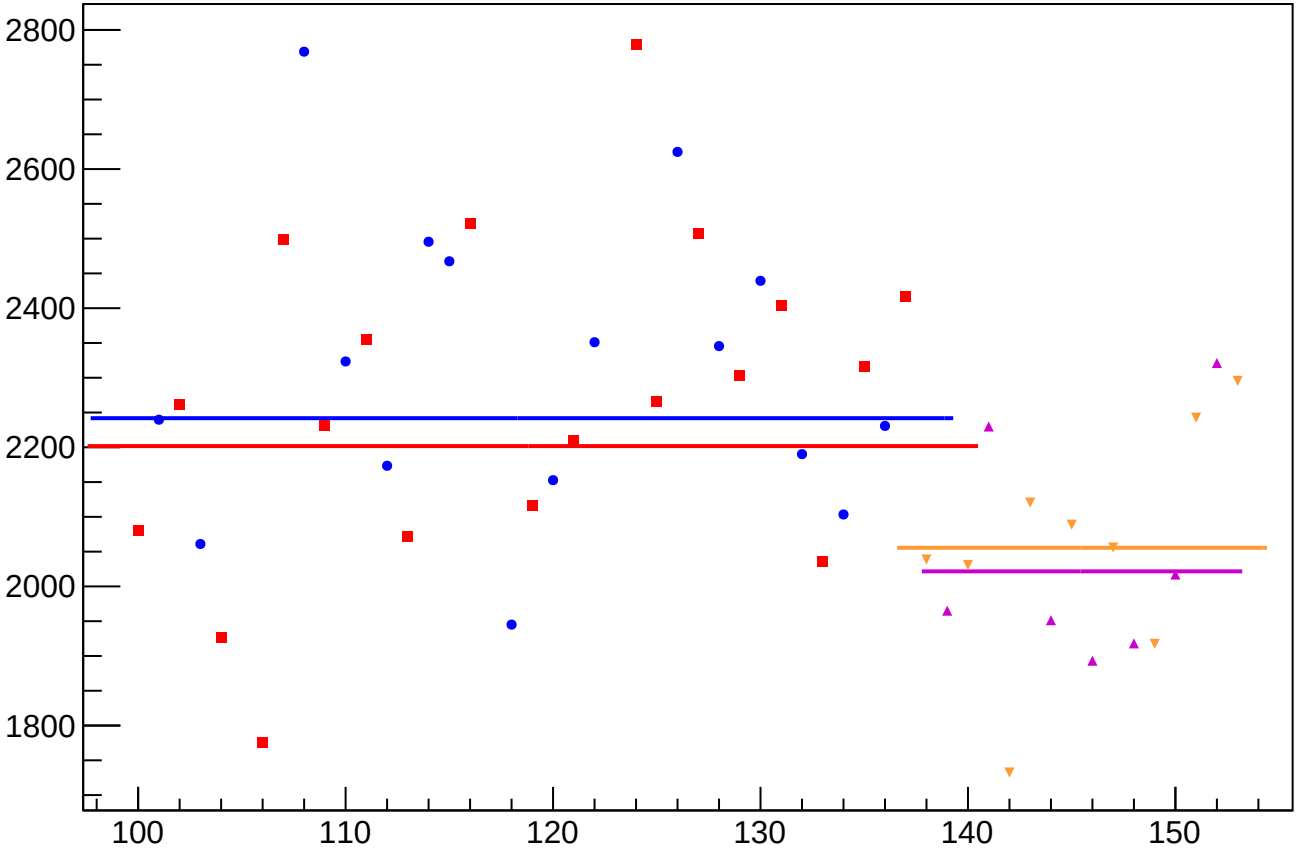
Right: 11.274+/-0.582 χ^2/NDF: 286.7/34

In: 4.346+/-0.587 χ^2/NDF:551.0/22

Out: 5.581+/-0.561 χ^2/NDF:151.5/27

All: 4.991+/-0.406 χ^2/NDF: 704.8/50

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2055.546+/-0.551 χ^2/NDF:71098.5/8

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

Left In: 2021.640+/-0.582 χ^2/NDF:60490.8/6

Left: 2039.537+/-0.400 χ^2/NDF: 133377.9/15

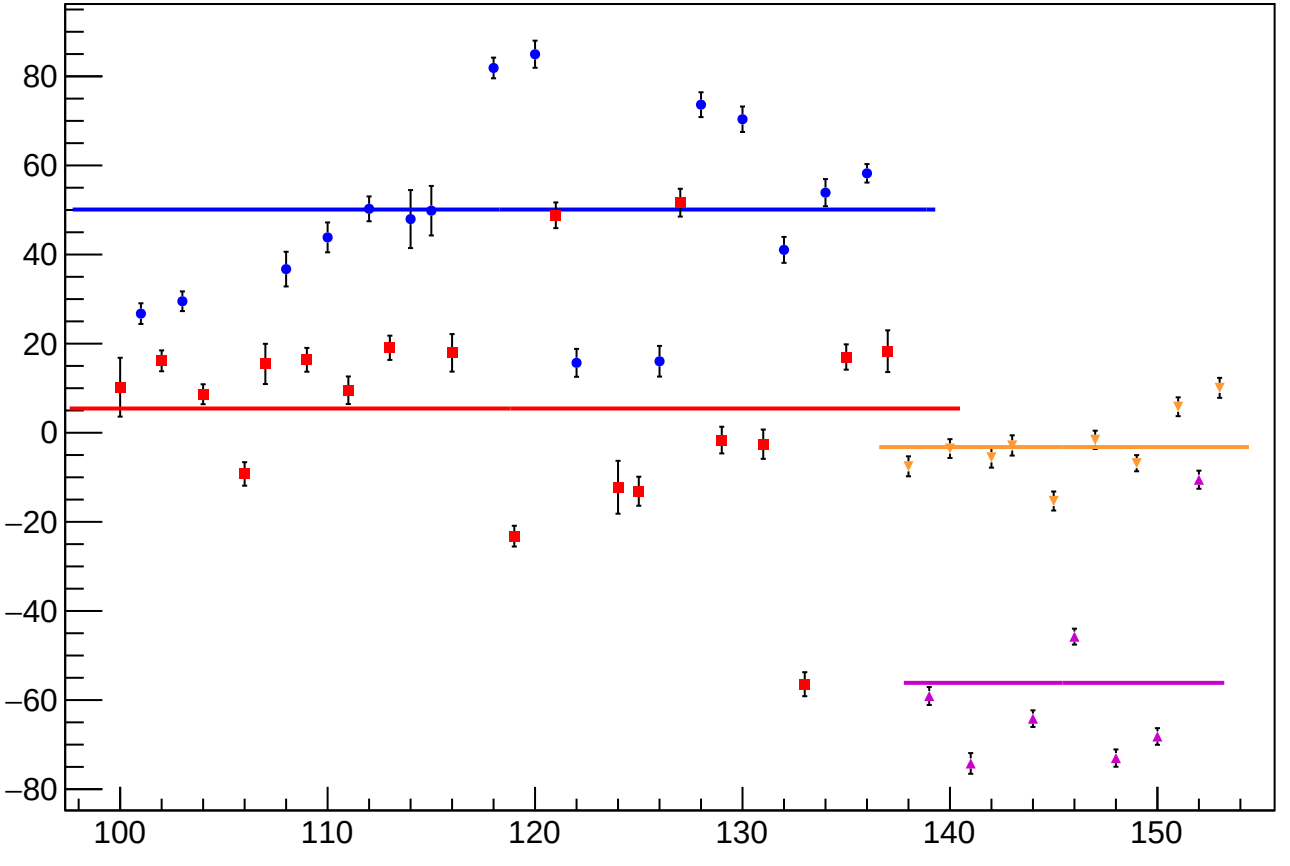
Right: 2221.106+/-0.412 χ^2/NDF: 234515.6/34

In: 2129.909+/-0.415 χ^2/NDF:233026.0/22

Out: 2125.864+/-0.397 χ^2/NDF:234852.5/27

All: 2127.795+/-0.287 χ^2/NDF: 467928.1/50

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: -3.212+/-0.709 χ^2/NDF:95.1/8

Right Out: 5.444+/-0.694 χ^2/NDF: 1311.6/18

Left In: -56.132+/-0.740 χ^2/NDF:736.4/6

Left: -28.541+/-0.512 χ^2/NDF: 3497.1/15

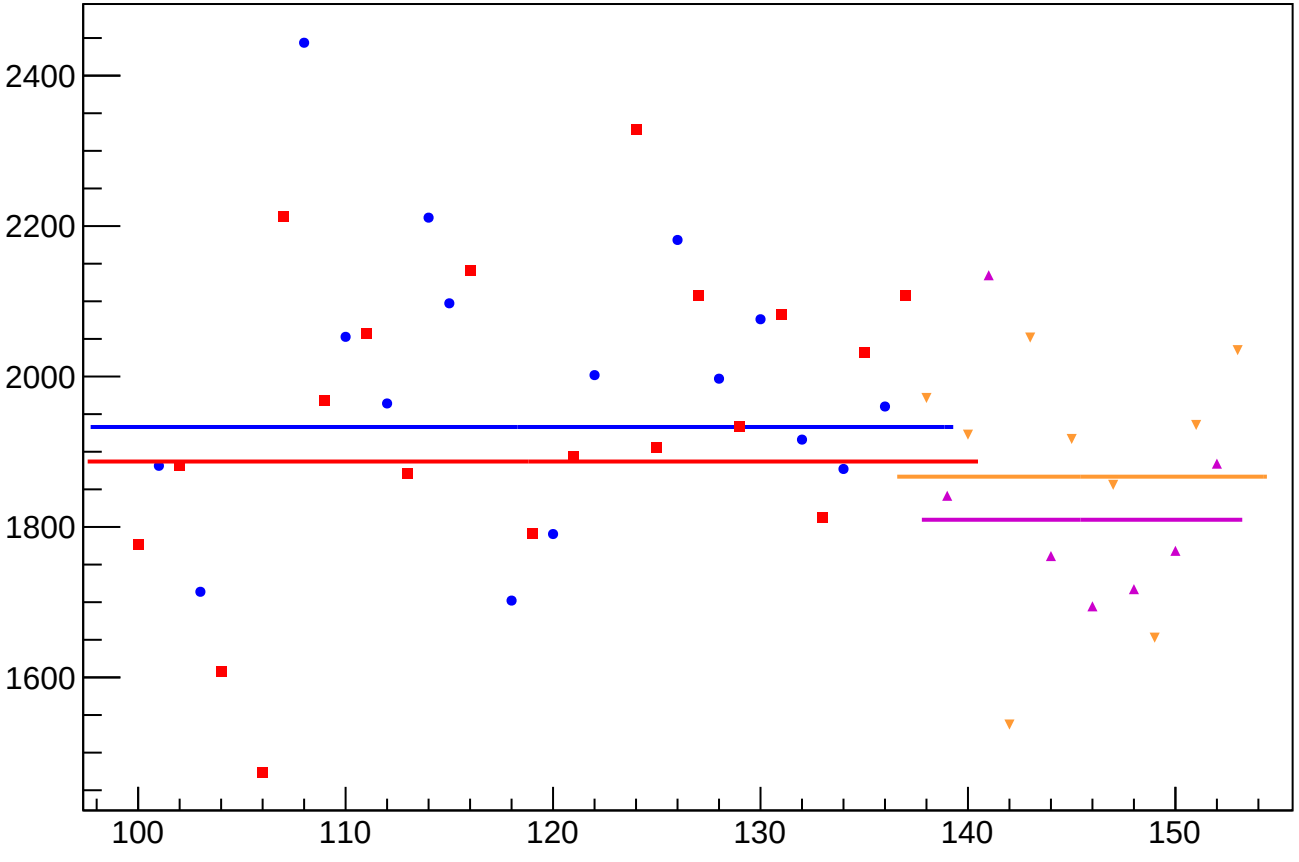
Right: 26.895+/-0.500 χ^2/NDF: 4187.6/34

In: -1.708+/-0.517 χ^2/NDF:12179.9/22

Out: 1.207+/-0.496 χ^2/NDF:1482.7/27

All: -0.191+/-0.358 χ^2/NDF: 13679.1/50

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 1866.864+/-0.501 χ^2/NDF:101768.9/8

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

Left In: 1809.582+/-0.523 χ^2/NDF:57398.3/6

Left: 1839.448+/-0.362 χ^2/NDF: 165413.5/15

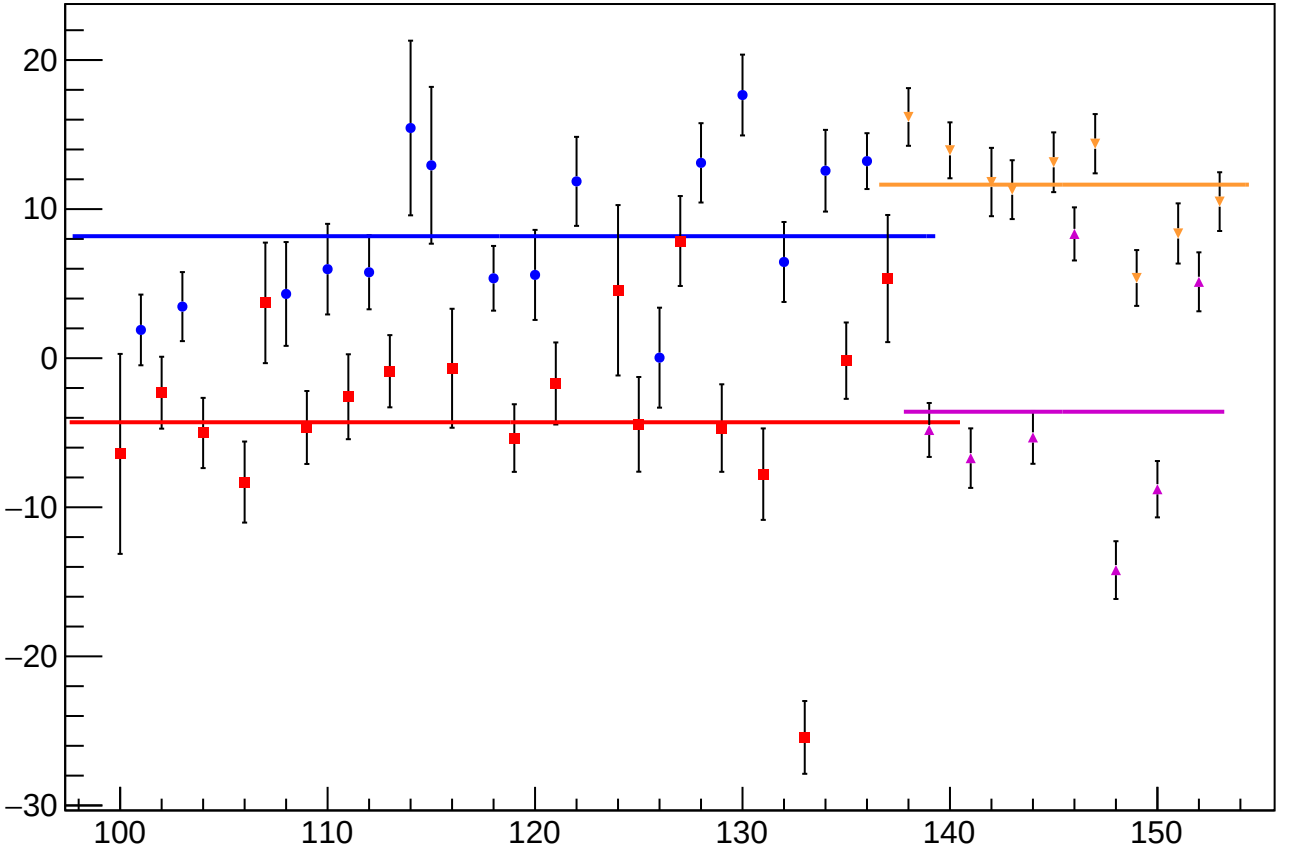
Right: 1909.052+/-0.354 χ^2/NDF: 259912.9/34

In: 1872.760+/-0.365 χ^2/NDF:191812.7/22

Out: 1877.148+/-0.351 χ^2/NDF:252339.3/27

All: 1875.044+/-0.253 χ^2/NDF: 444227.0/50

diff_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 11.641+/-0.661 χ^2/NDF:23.7/8

Right Out: -4.297+/-0.665 χ^2/NDF: 114.0/18

Left In: -3.592+/-0.709 χ^2/NDF:105.7/6

Left: 4.553+/-0.483 χ^2/NDF: 376.4/15

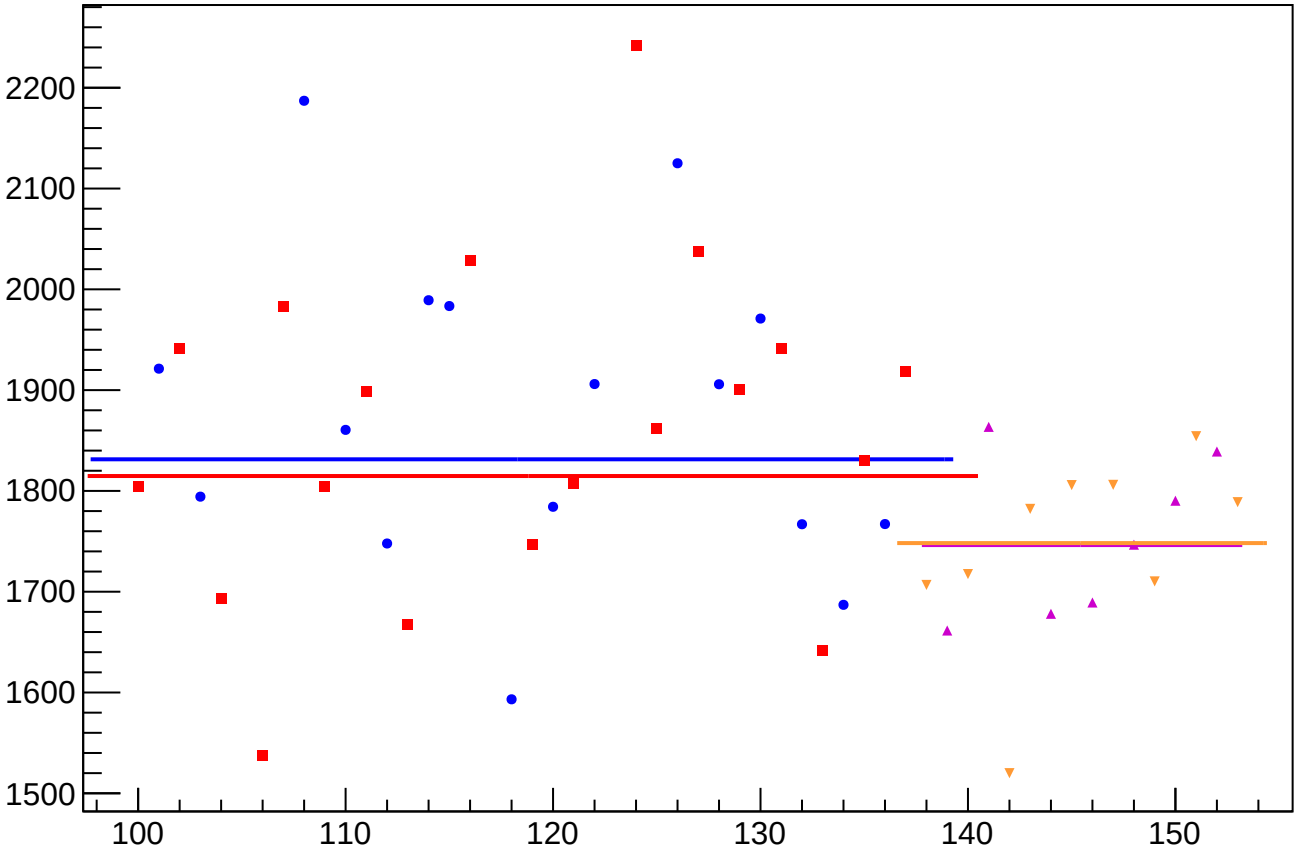
Right: 1.776+/-0.477 χ^2/NDF: 337.0/34

In: 2.507+/-0.492 χ^2/NDF:300.7/22

Out: 3.725+/-0.469 χ^2/NDF:426.3/27

All: 3.145+/-0.339 χ^2/NDF: 730.2/50

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1748.243+/-0.467 χ^2/NDF:32421.3/8

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

Left In: 1746.279+/-0.501 χ^2/NDF:21784.6/6

Left: 1747.329+/-0.342 χ^2/NDF: 54214.1/15

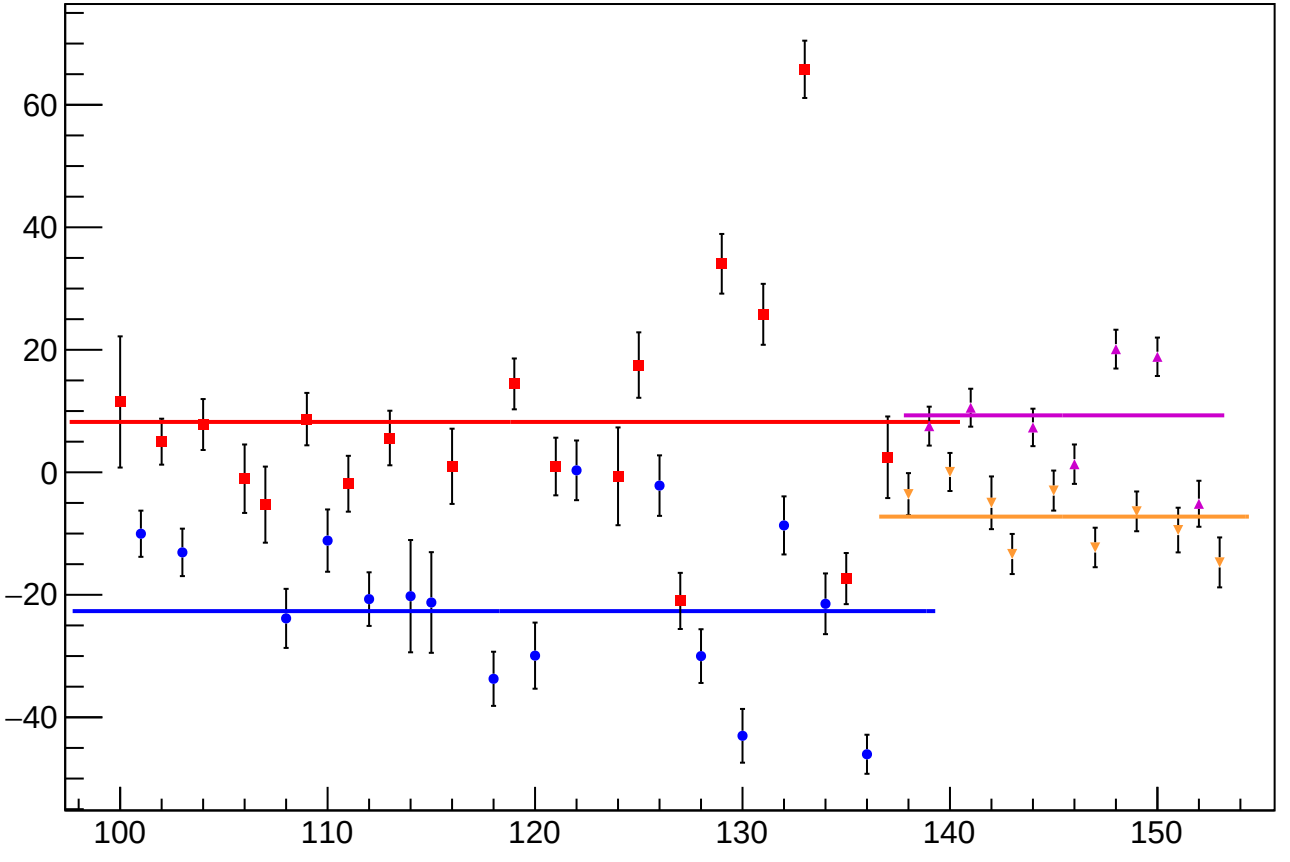
Right: 1822.844+/-0.337 χ^2/NDF: 178262.4/34

In: 1790.345+/-0.348 χ^2/NDF:123640.1/22

Out: 1781.285+/-0.332 χ^2/NDF:133222.4/27

All: 1785.599+/-0.240 χ^2/NDF: 257217.8/50

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -7.235+/-1.150 χ^2/NDF:18.3/8

Right Out: 8.224+/-1.129 χ^2/NDF: 294.8/18

Left In: 9.298+/-1.214 χ^2/NDF:42.7/6

Left: 0.591+/-0.835 χ^2/NDF: 158.8/15

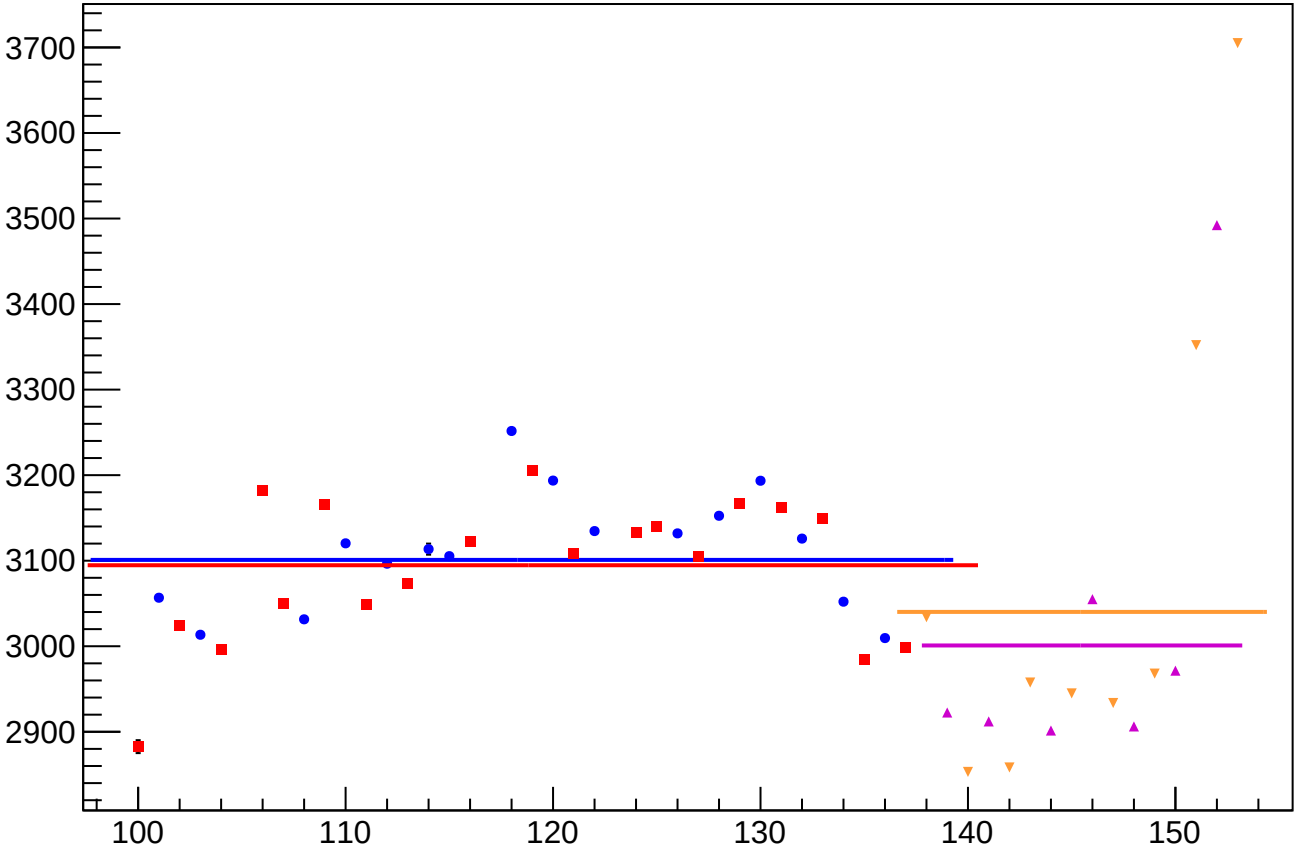
Right: -6.906+/-0.806 χ^2/NDF: 818.8/34

In: -7.514+/-0.835 χ^2/NDF:564.8/22

Out: 0.642+/-0.806 χ^2/NDF:405.1/27

All: -3.288+/-0.580 χ^2/NDF: 1019.3/50

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 3040.141+/-0.814 χ^2/NDF:84757.2/8

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

Left In: 3000.906+/-0.858 χ^2/NDF:41750.9/6

Left: 3021.569+/-0.590 χ^2/NDF: 127609.2/15

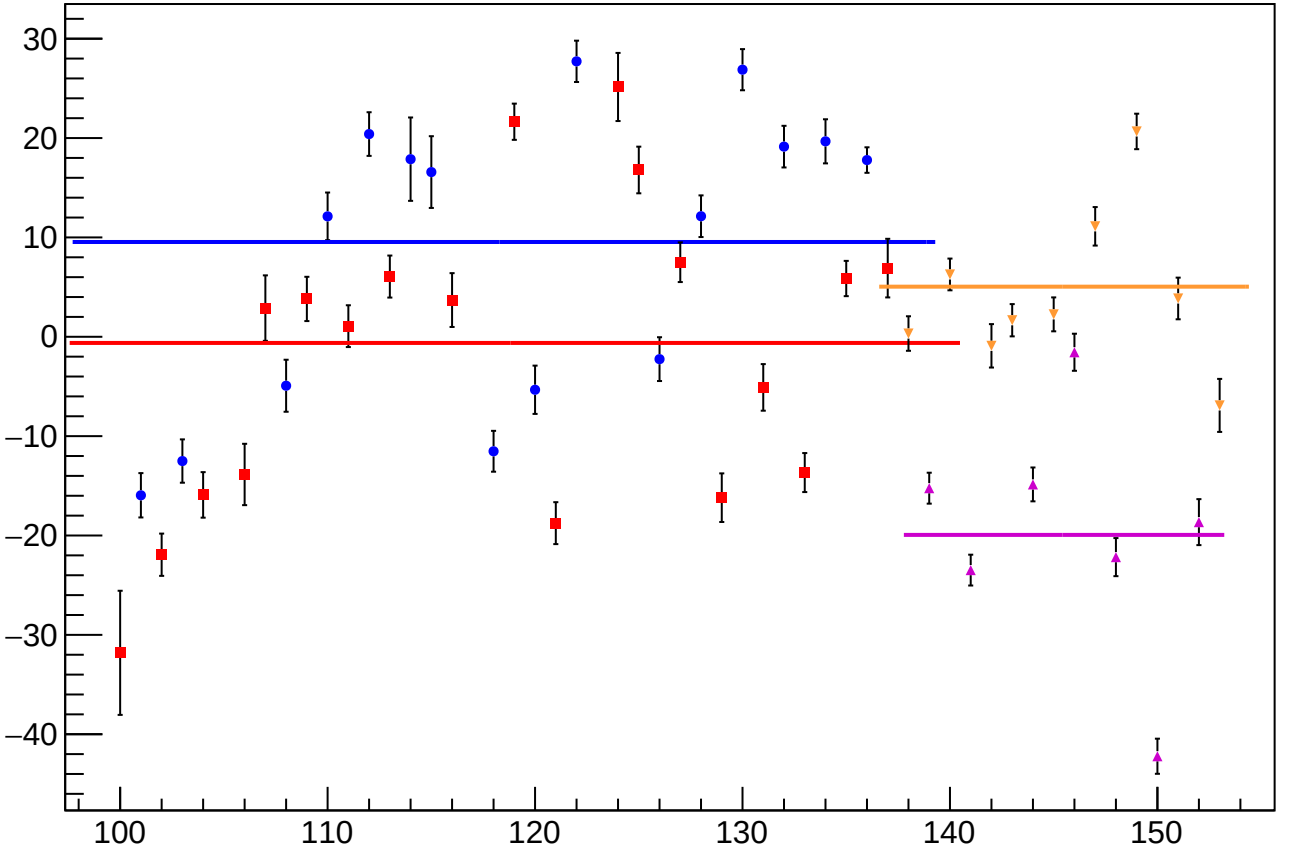
Right: 3097.751+/-0.570 χ^2/NDF: 16508.2/34

In: 3053.526+/-0.591 χ^2/NDF:56793.4/22

Out: 3067.934+/-0.570 χ^2/NDF:95632.4/27

All: 3060.991+/-0.410 χ^2/NDF: 152734.0/50

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 5.044+/-0.620 χ^2/NDF:129.1/8

Right Out: -0.620+/-0.534 χ^2/NDF: 665.8/18

Left In: -19.939+/-0.668 χ^2/NDF:280.8/6

Left: -6.509+/-0.454 χ^2/NDF: 1161.2/15

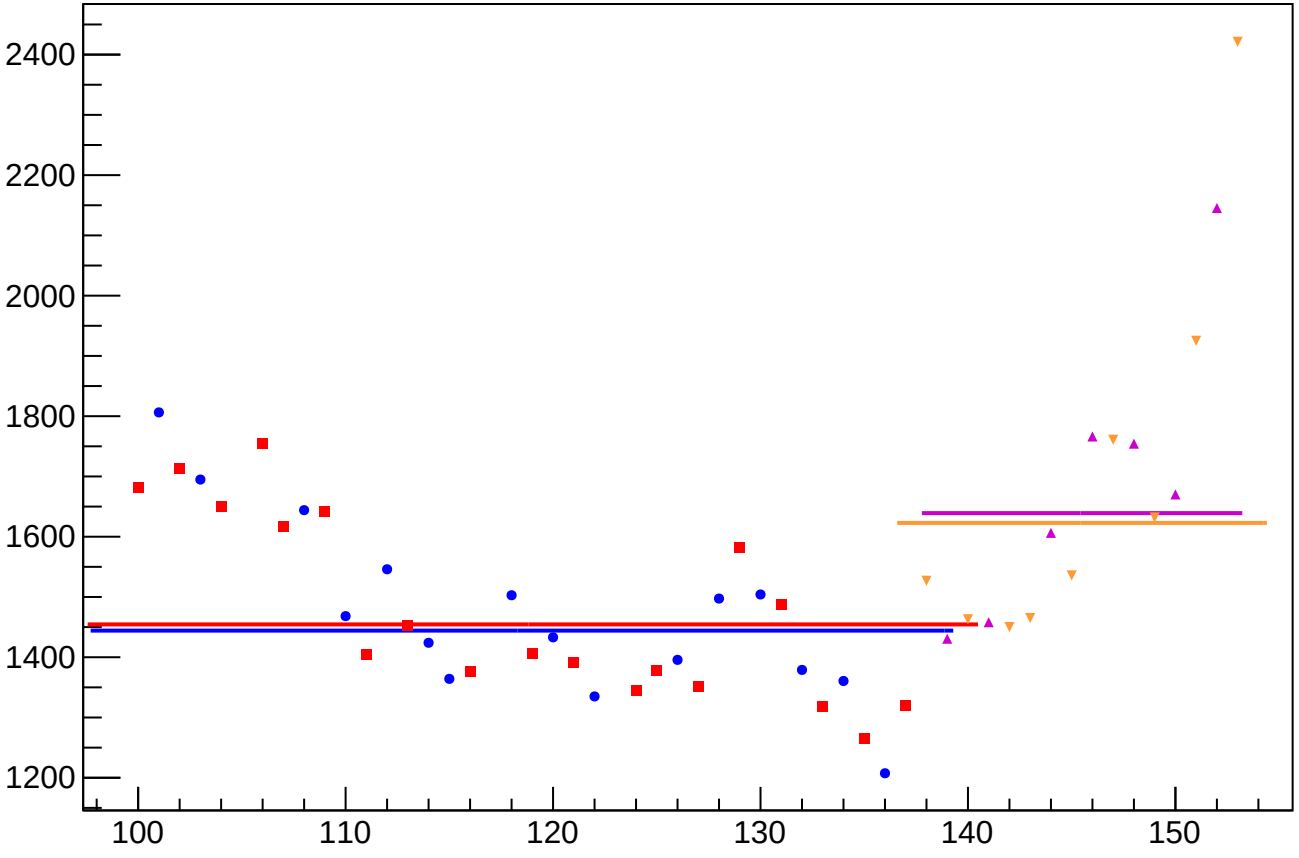
Right: 4.392+/-0.380 χ^2/NDF: 1543.1/34

In: -2.139+/-0.421 χ^2/NDF:2154.6/22

Out: 1.794+/-0.405 χ^2/NDF:842.8/27

All: -0.096+/-0.292 χ^2/NDF: 3042.8/50

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1622.922+/-0.438 χ^2/NDF:293541.5/8

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

Left In: 1639.157+/-0.473 χ^2/NDF:176791.8/6

Left: 1630.430+/-0.321 χ^2/NDF: 470967.9/15

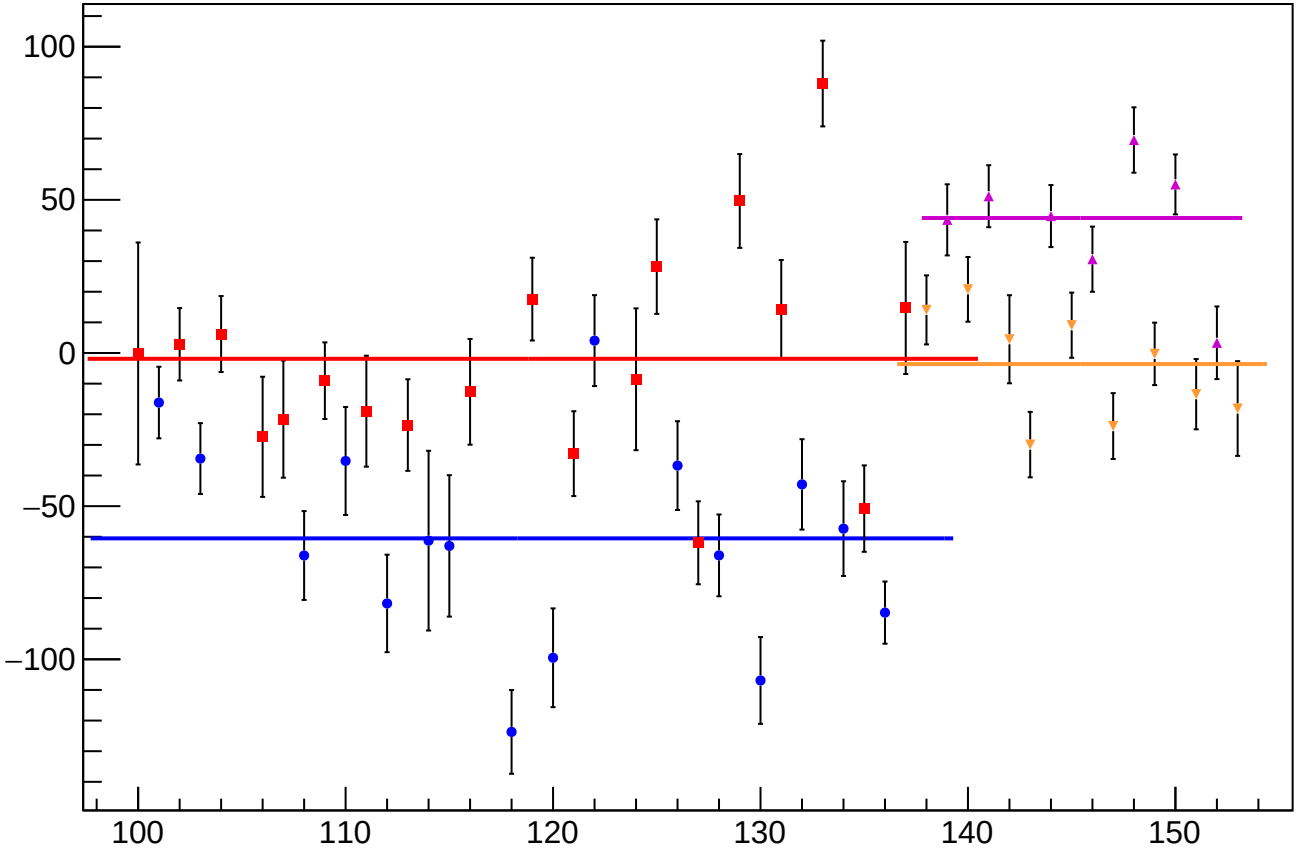
Right: 1449.398+/-0.269 χ^2/NDF: 323286.5/34

In: 1521.429+/-0.297 χ^2/NDF:459733.5/22

Out: 1526.252+/-0.286 χ^2/NDF:521087.5/27

All: 1523.934+/-0.206 χ^2/NDF: 980957.6/50

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: -3.609+/-3.799 χ^2/NDF:20.9/8

Right Out: -1.894+/-3.543 χ^2/NDF: 103.8/18

Left In: 44.078+/-4.013 χ^2/NDF:20.8/6

Left: 18.928+/-2.759 χ^2/NDF: 116.2/15

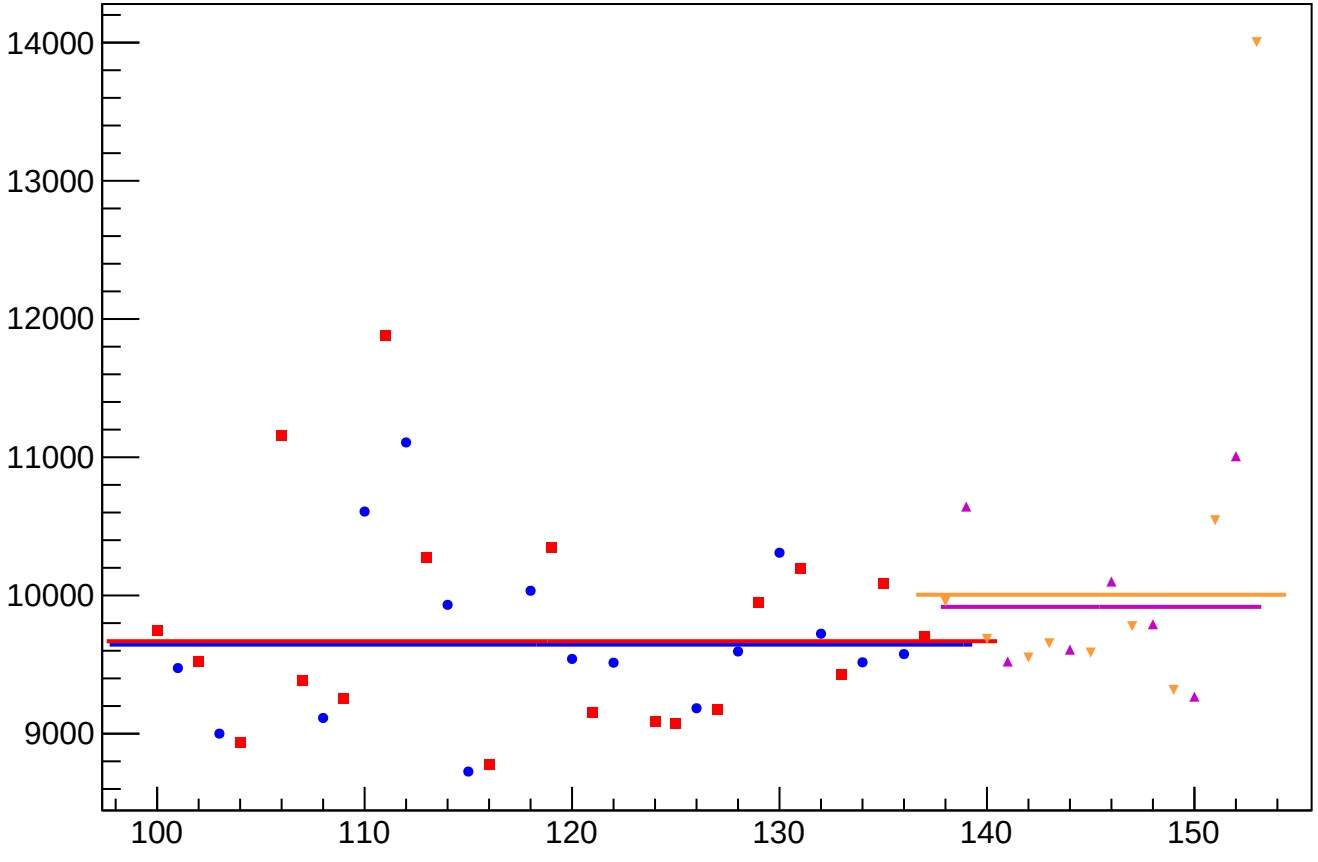
Right: -30.766+/-2.524 χ^2/NDF: 329.0/34

In: -13.926+/-2.678 χ^2/NDF:488.0/22

Out: -2.692+/-2.591 χ^2/NDF:124.8/27

All: -8.123+/-1.862 χ^2/NDF: 621.9/50

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 10005.102+/-2.686 χ^2/NDF:157209.1/8

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

Left In: 9917.448+/-2.837 χ^2/NDF:39324.0/6

Left: 9963.676+/-1.951 χ^2/NDF: 197036.4/15

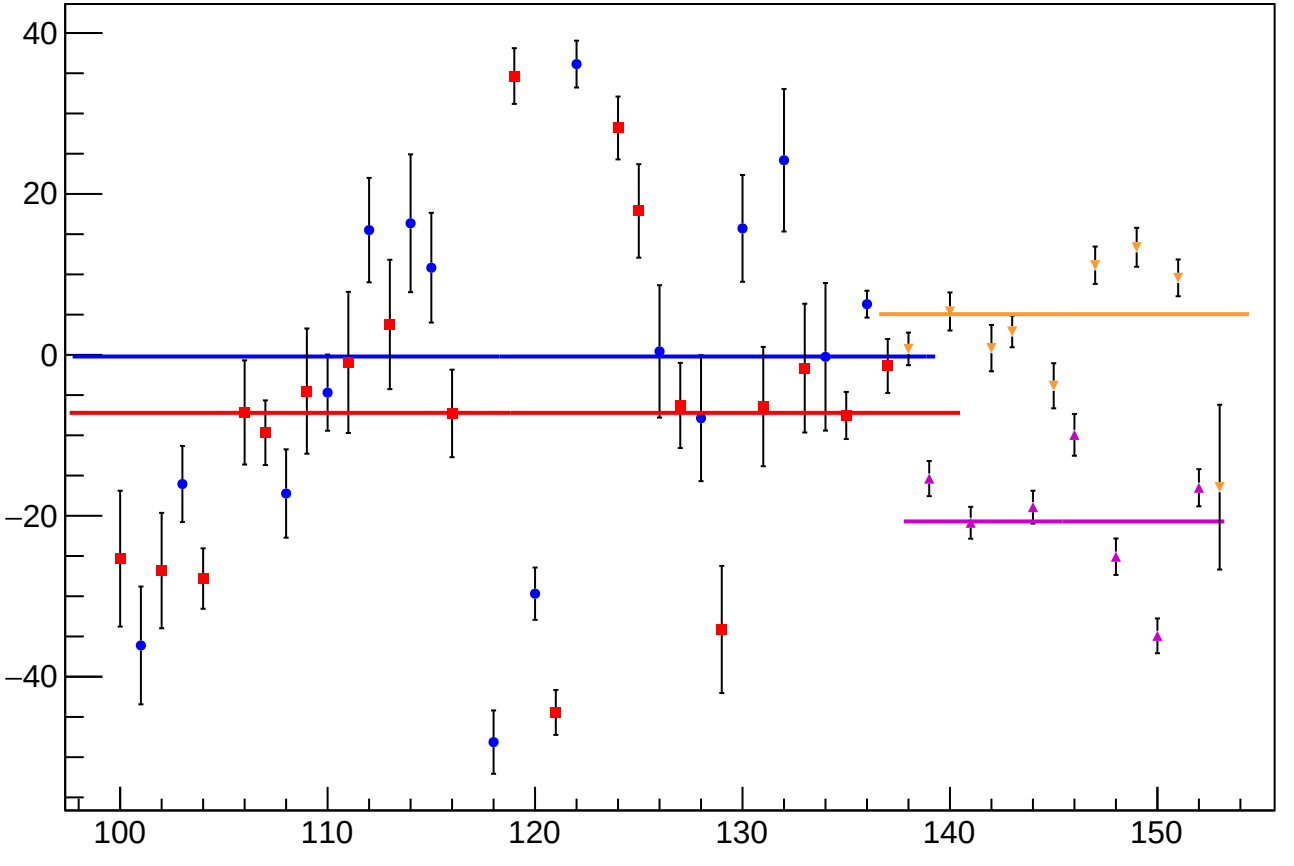
Right: 9656.951+/-1.785 χ^2/NDF: 124027.7/34

In: 9766.024+/-1.894 χ^2/NDF:88561.4/22

Out: 9825.433+/-1.832 χ^2/NDF:245454.2/27

All: 9796.712+/-1.317 χ^2/NDF: 334524.0/50

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 5.061+/-0.820 χ^2/NDF:44.9/8

Right Out: -7.206+/-1.074 χ^2/NDF: 485.6/18

Left In: -20.702+/-0.831 χ^2/NDF:74.1/6

Left: -7.659+/-0.584 χ^2/NDF: 606.0/15

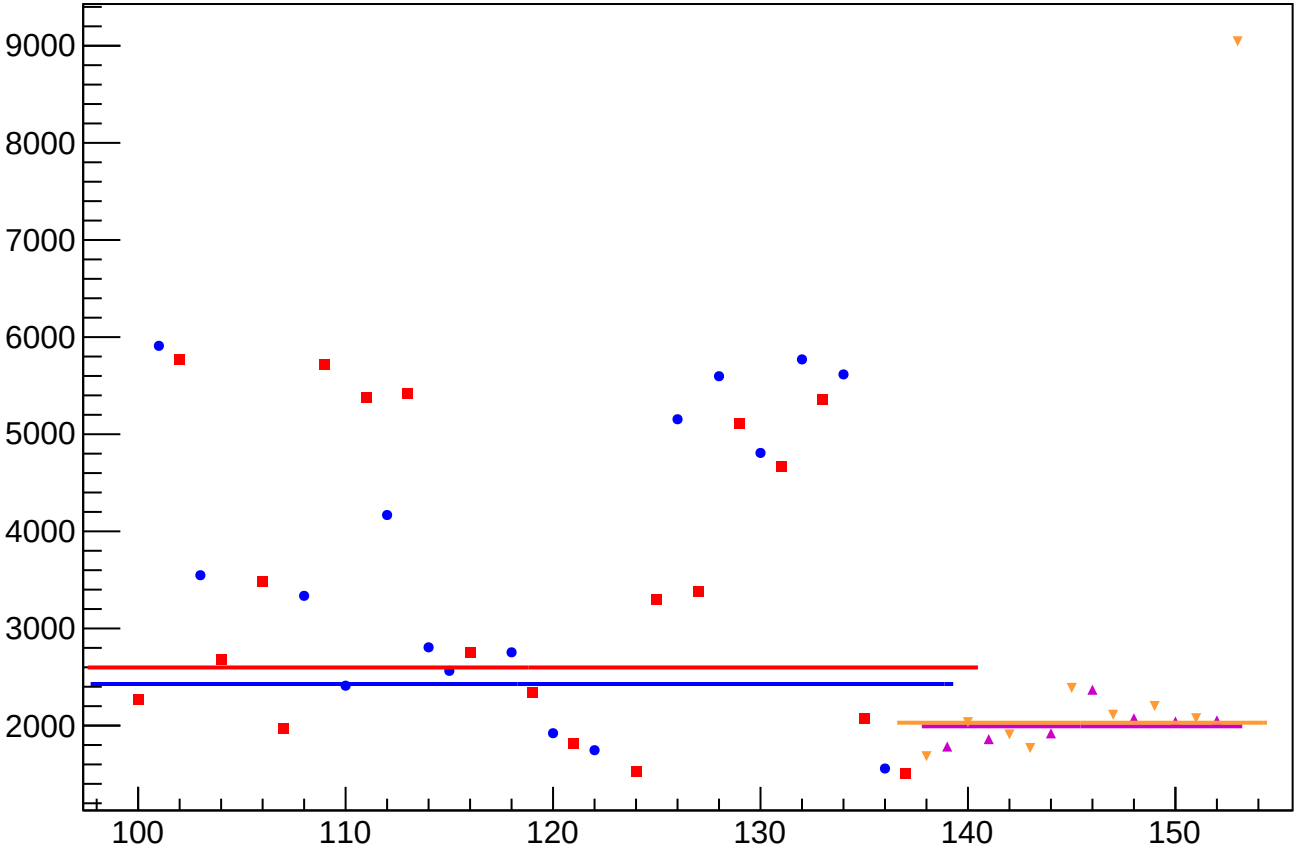
Right: -3.613+/-0.749 χ^2/NDF: 981.2/34

In: -12.769+/-0.650 χ^2/NDF:783.4/22

Out: 0.539+/-0.652 χ^2/NDF:613.0/27

All: -6.130+/-0.460 χ^2/NDF: 1605.3/50

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 2029.574+/-0.580 χ^2/NDF:1081593.8/8

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

Left In: 1992.379+/-0.587 χ^2/NDF:76928.3/6

Left: 2011.209+/-0.413 χ^2/NDF: 1160552.1/15

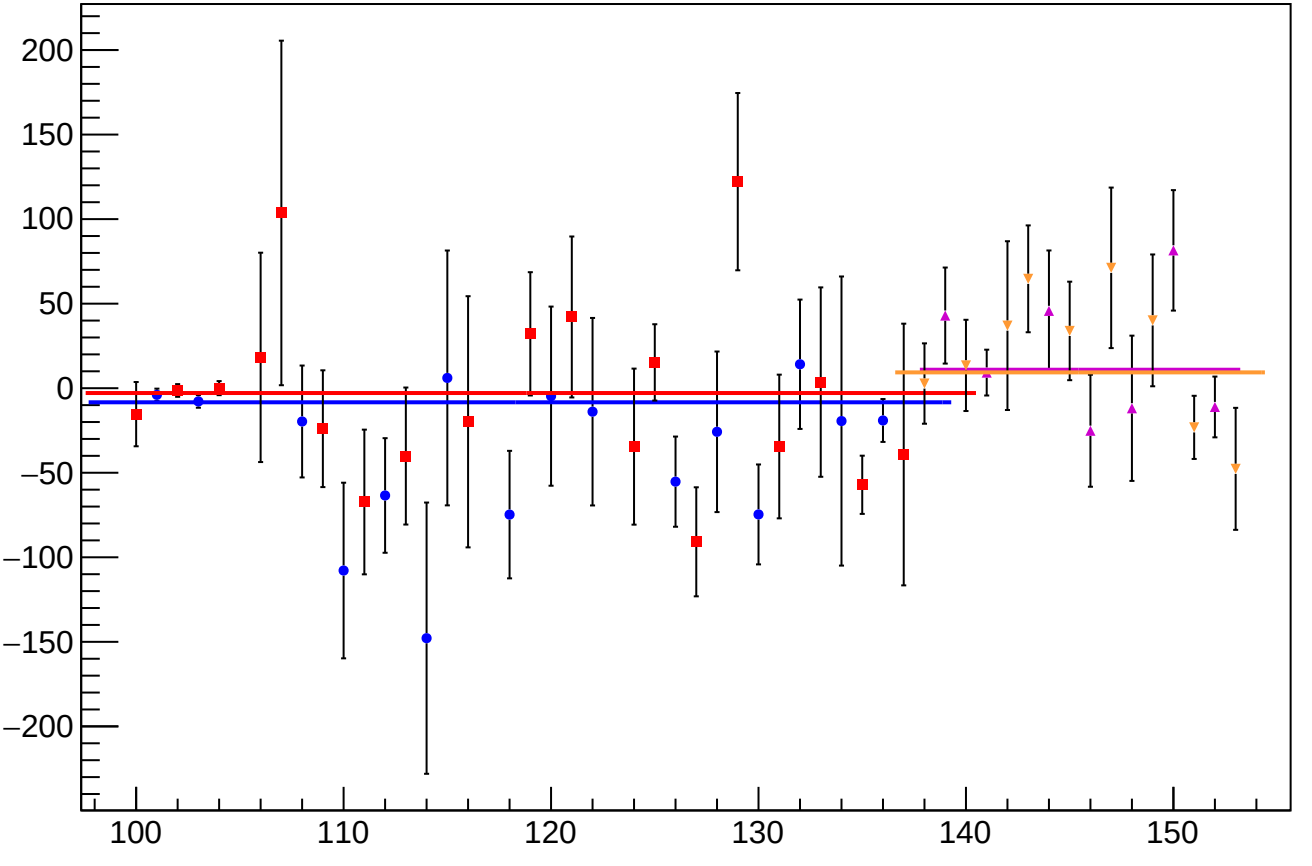
Right: 2510.930+/-0.530 χ^2/NDF: 5356082.2/34

In: 2161.012+/-0.460 χ^2/NDF:3105231.1/22

Out: 2239.229+/-0.461 χ^2/NDF:3950890.8/27

All: 2200.030+/-0.326 χ^2/NDF: 7070553.4/50

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 9.358+/-9.776 χ^2/NDF:12.0/8

Right Out: -2.848+/-2.640 χ^2/NDF: 32.6/18

Left In: 10.926+/-8.836 χ^2/NDF:9.1/6

Left: 10.221+/-6.555 χ^2/NDF: 21.2/15

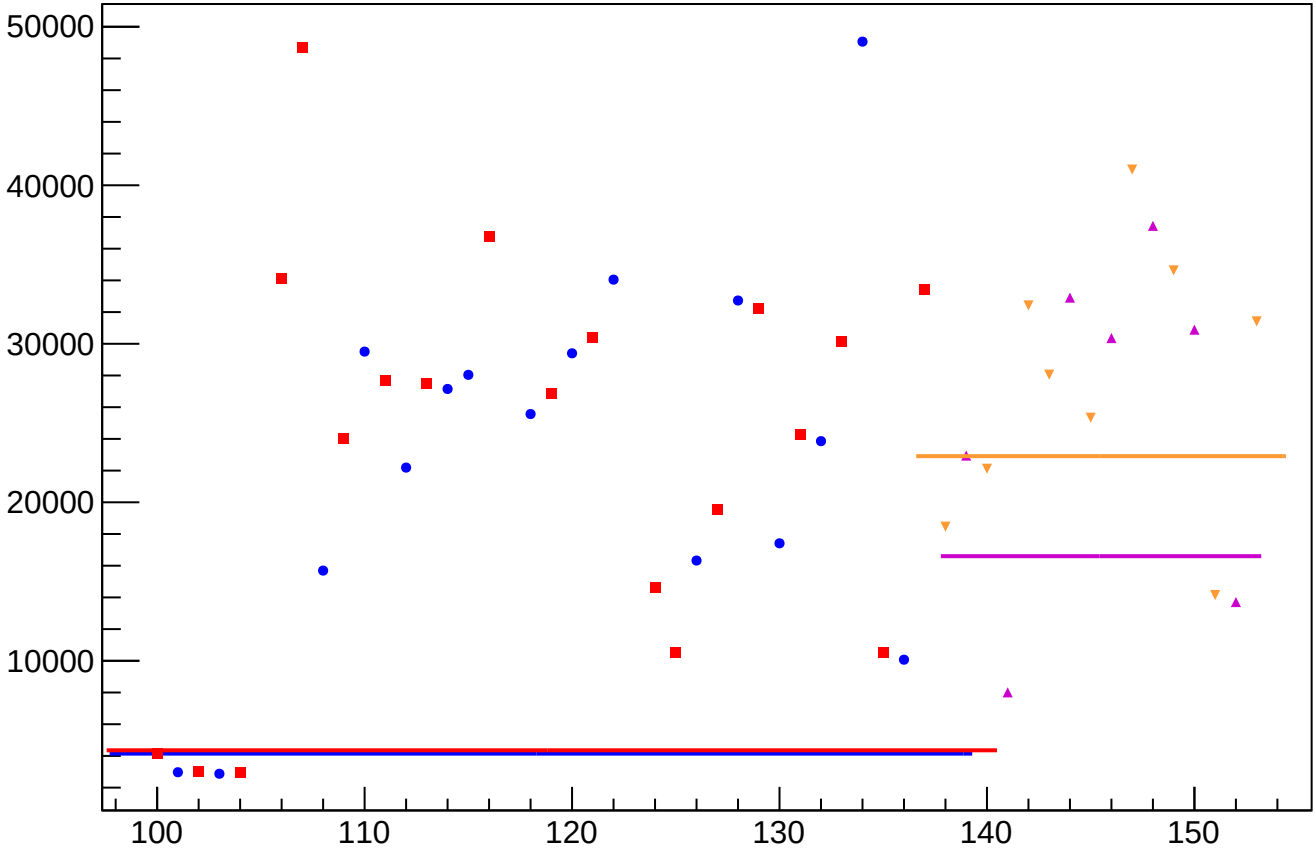
Right: -5.740+/-1.815 χ^2/NDF: 58.3/34

In: -6.906+/-2.405 χ^2/NDF:37.0/22

Out: -2.019+/-2.548 χ^2/NDF:46.1/27

All: -4.603+/-1.749 χ^2/NDF: 85.0/50

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 22910.381+/-6.912 χ^2/NDF:1233780.9/8

Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

Left In: 16600.966+/-6.248 χ^2/NDF:2510408.3/6

Left: 19437.896+/-4.635 χ^2/NDF: 4202711.5/15

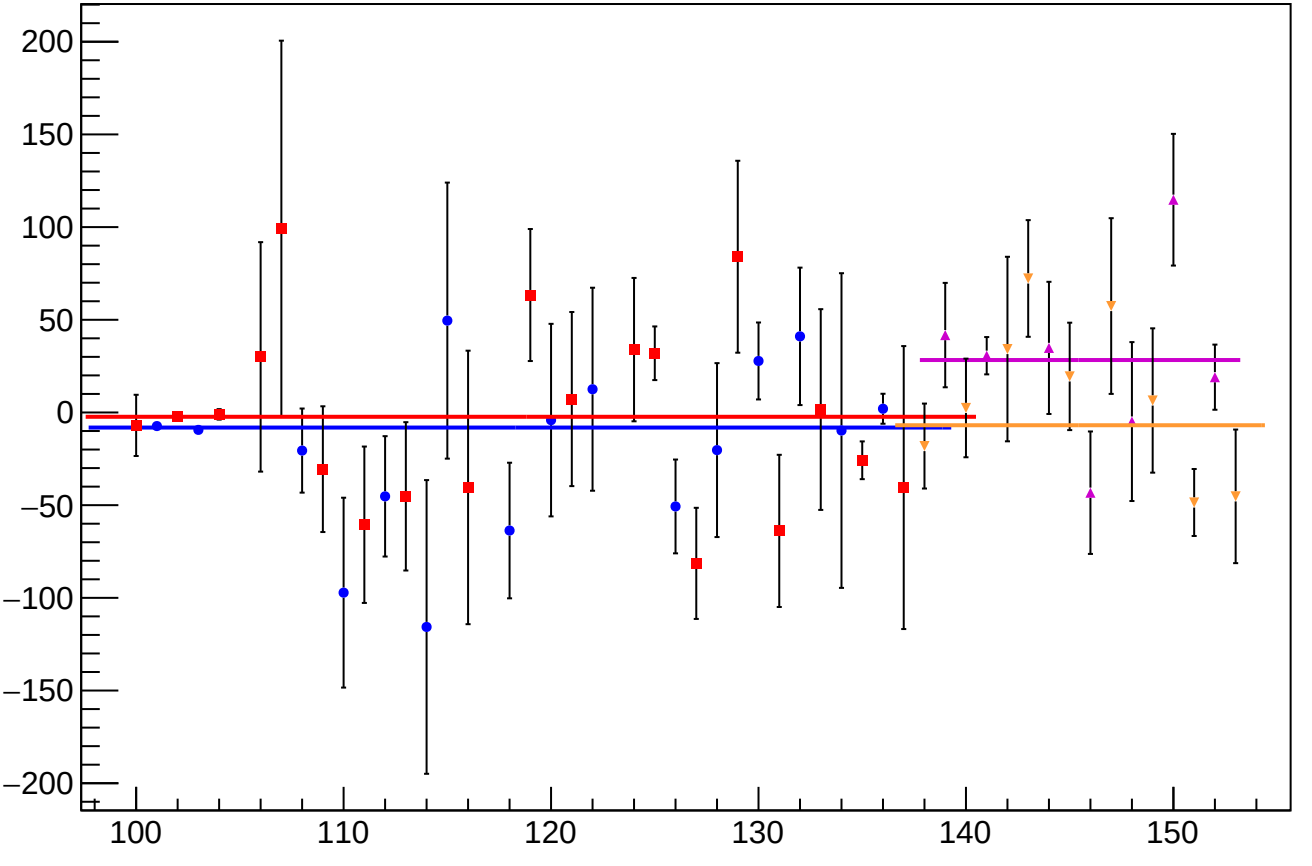
Right: 4244.429+/-1.283 χ^2/NDF: 14468301.6/34

In: 5068.528+/-1.701 χ^2/NDF:13026898.6/22

Out: 5615.354+/-1.802 χ^2/NDF:15574922.5/27

All: 5326.135+/-1.237 χ^2/NDF: 28650529.5/5

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -6.886+/-9.596 χ^2/NDF:16.6/8

Right Out: -2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: 28.295+/-7.578 χ^2/NDF:11.8/6

Left: 14.781+/-5.947 χ^2/NDF: 36.7/15

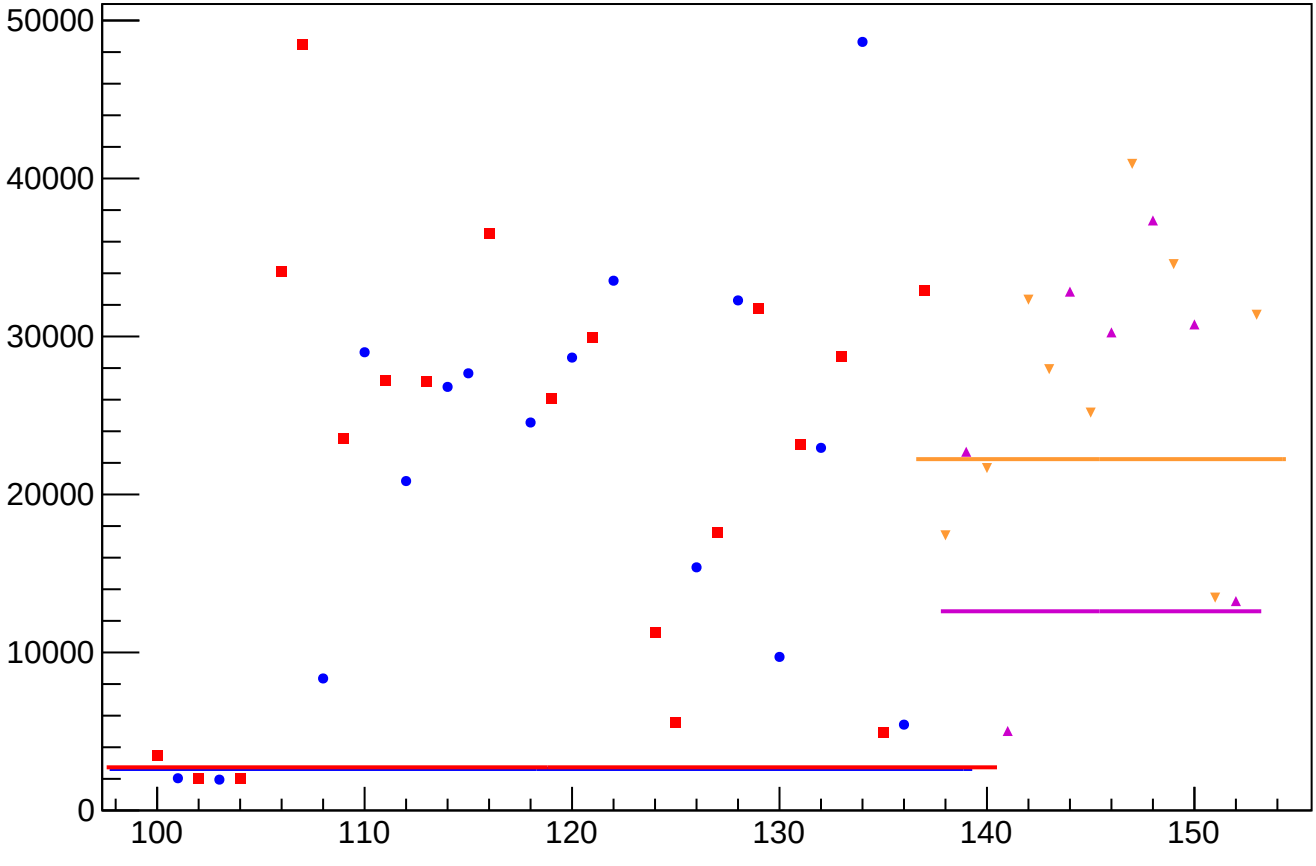
Right: -5.394+/-1.251 χ^2/NDF: 57.5/34

In: -6.347+/-1.678 χ^2/NDF:52.9/22

Out: -2.483+/-1.790 χ^2/NDF:49.9/27

All: -4.540+/-1.224 χ^2/NDF: 105.3/50

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 22236.436+/-6.785 χ^2/NDF:1369128.0/8

Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 12606.397+/-5.359 χ^2/NDF:3797420.9/6

Left: 16305.544+/-4.205 χ^2/NDF: 6407115.1/15

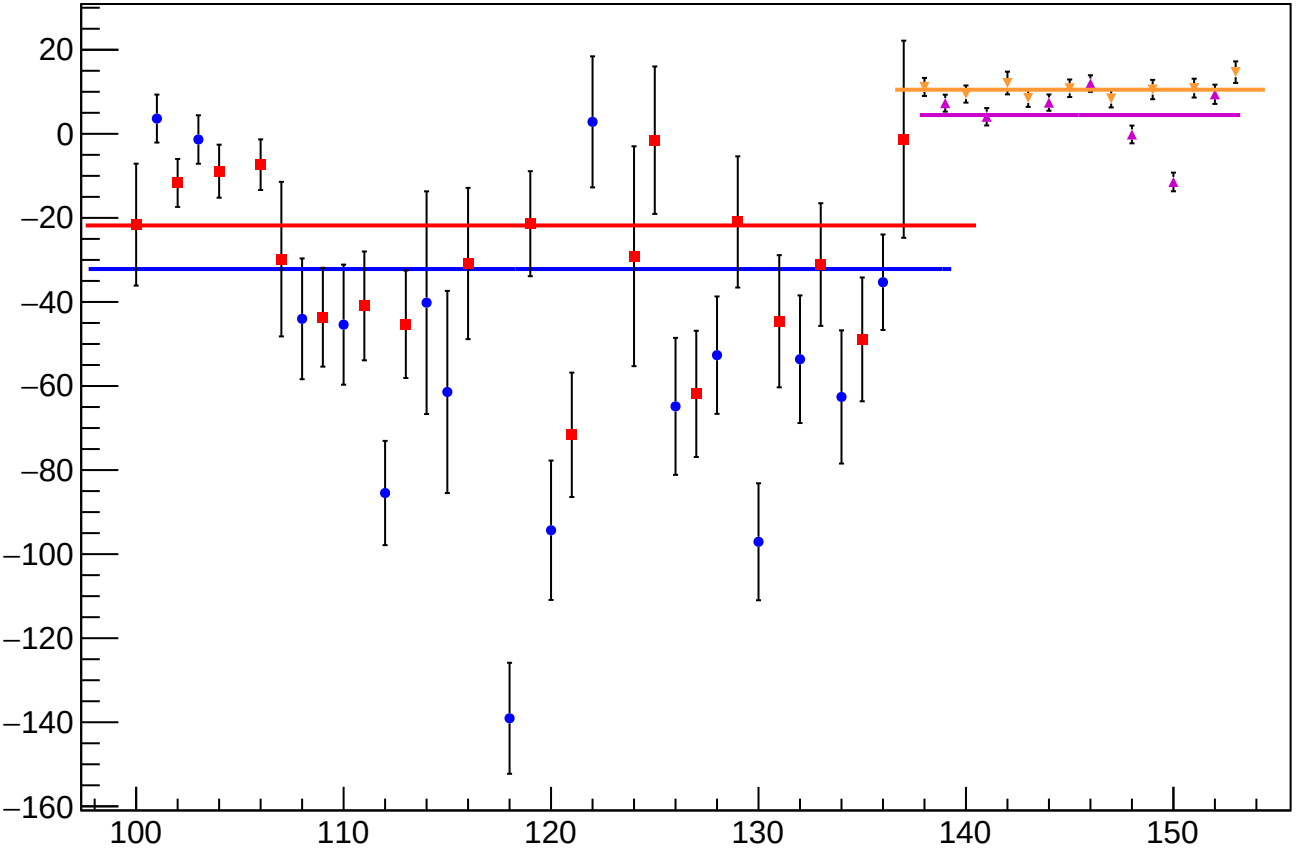
Right: 2675.367+/-0.884 χ^2/NDF: 14770301.6/34

In: 3115.554+/-1.186 χ^2/NDF:13876863.5/22

Out: 3408.771+/-1.266 χ^2/NDF:17332137.6/27

All: 3252.702+/-0.865 χ^2/NDF: 31237575.5/5

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 10.498+/-0.744 χ^2/NDF:5.3/8

Right Out: -21.801+/-2.557 χ^2/NDF: 49.1/18

Left In: 4.470+/-0.785 χ^2/NDF:79.6/6

Left: 7.646+/-0.540 χ^2/NDF: 116.0/15

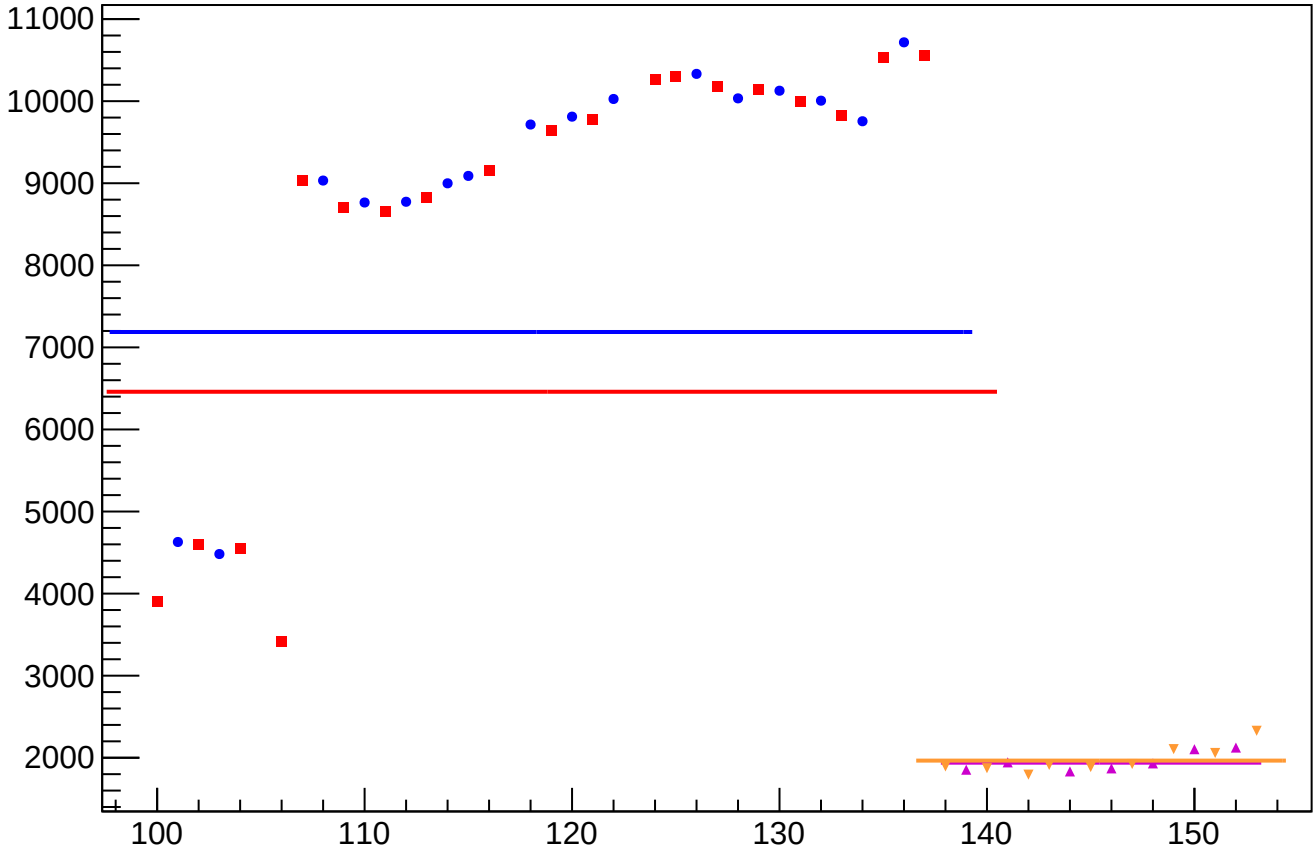
Right: -26.441+/-1.901 χ^2/NDF: 264.2/34

In: 1.873+/-0.757 χ^2/NDF:441.9/22

Out: 7.980+/-0.714 χ^2/NDF:201.4/27

All: 5.102+/-0.519 χ^2/NDF: 677.7/50

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 1965.191+/-0.526 χ^2/NDF:70166.9/8

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

Left In: 1939.984+/-0.555 χ^2/NDF:36076.8/6

Left: 1953.266+/-0.382 χ^2/NDF: 107330.7/15

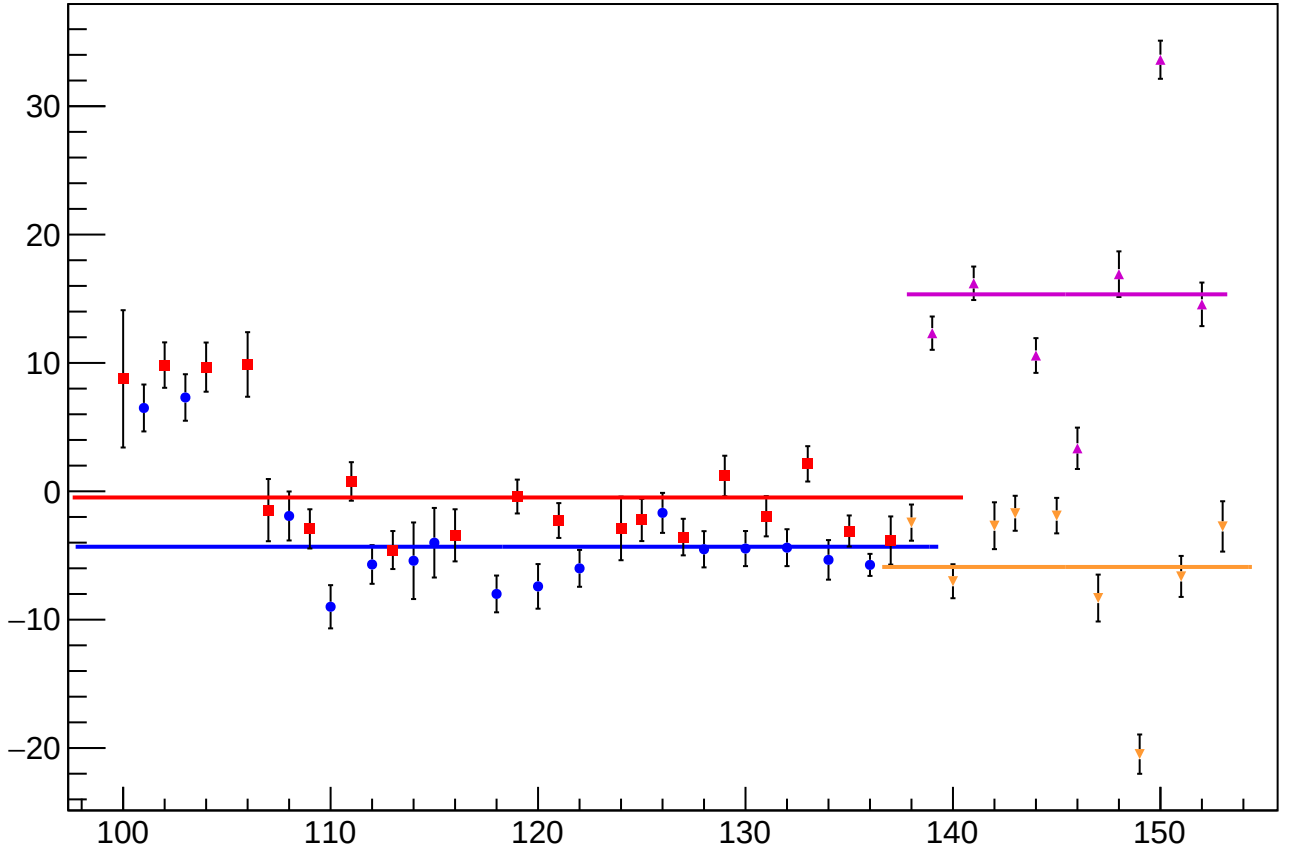
Right: 6785.150+/-1.344 χ^2/NDF: 4054781.5/34

In: 2311.876+/-0.535 χ^2/NDF:8078157.9/22

Out: 2315.588+/-0.505 χ^2/NDF:8041523.0/27

All: 2313.839+/-0.367 χ^2/NDF: 16119706.4/5

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -5.894+/-0.512 χ^2/NDF:122.9/8

Right Out: -0.481+/-0.379 χ^2/NDF: 117.2/18

Left In: 15.344+/-0.556 χ^2/NDF:226.0/6

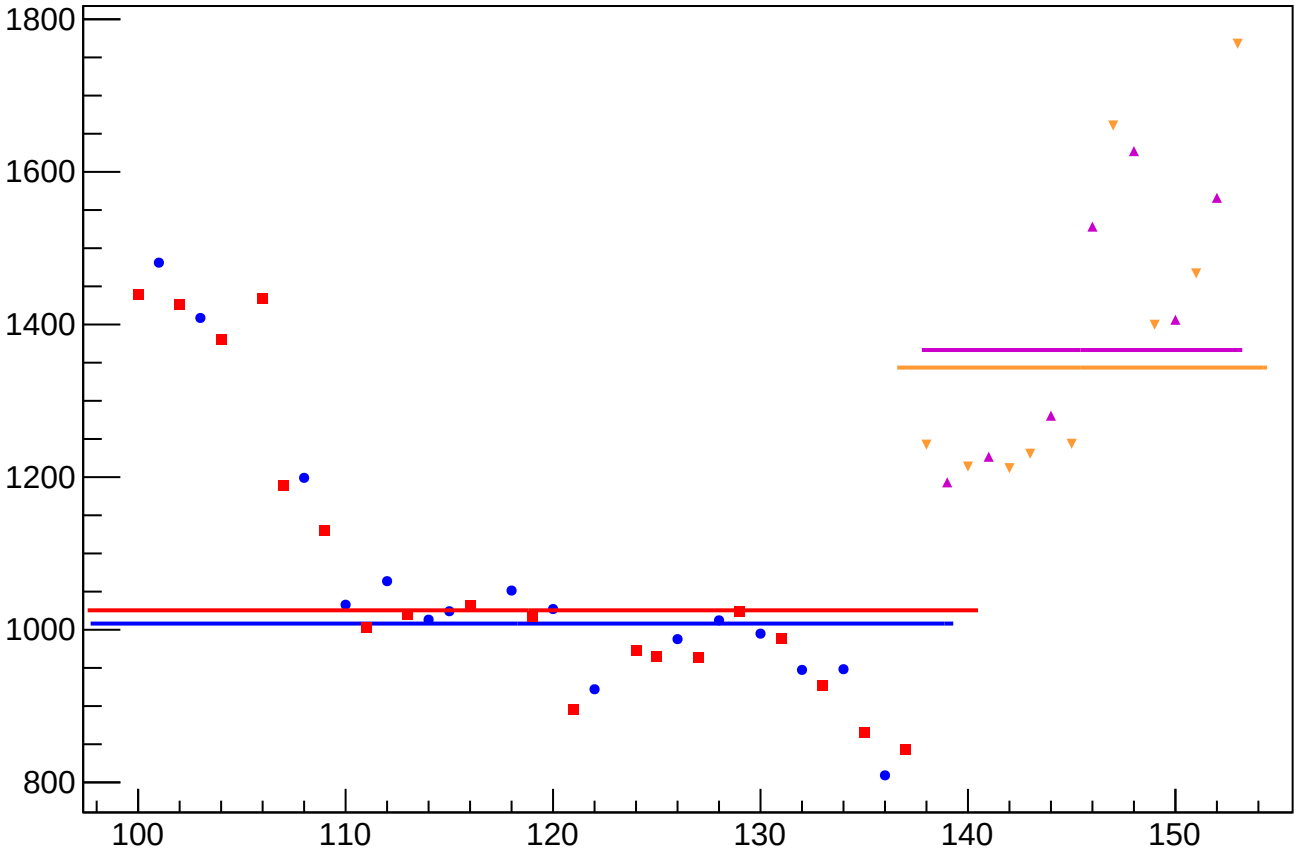
Left: 3.844+/-0.377 χ^2/NDF: 1137.9/15

Right: -2.394+/-0.268 χ^2/NDF: 272.1/34

In: 1.930+/-0.314 χ^2/NDF:1181.7/22

Out: -2.395+/-0.304 χ^2/NDF:312.3/27

All: -0.297+/-0.218 χ^2/NDF: 1591.9/50



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1343.583+/-0.362 χ^2/NDF:232688.7/8

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

Left In: 1366.582+/-0.393 χ^2/NDF:159043.3/6

Left: 1354.128+/-0.266 χ^2/NDF: 393582.5/15

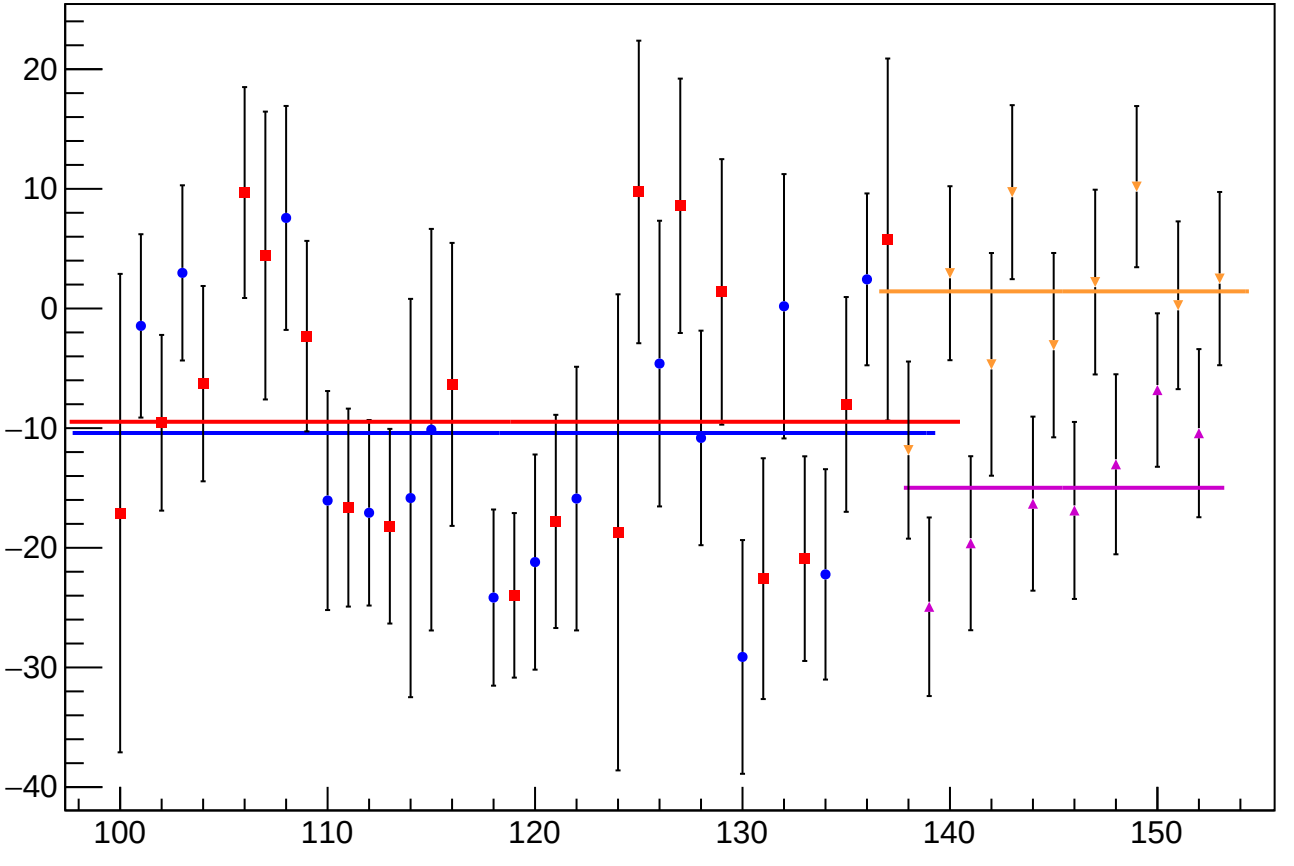
Right: 1016.826+/-0.190 χ^2/NDF: 726925.8/34

In: 1122.034+/-0.222 χ^2/NDF:1104240.7/22

Out: 1137.961+/-0.215 χ^2/NDF:1077740.6/27

All: 1130.235+/-0.154 χ^2/NDF: 2184636.5/50

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: 1.432+/-2.479 χ^2/NDF:7.1/8

Right Out: -9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: -14.984+/-2.709 χ^2/NDF:4.4/6

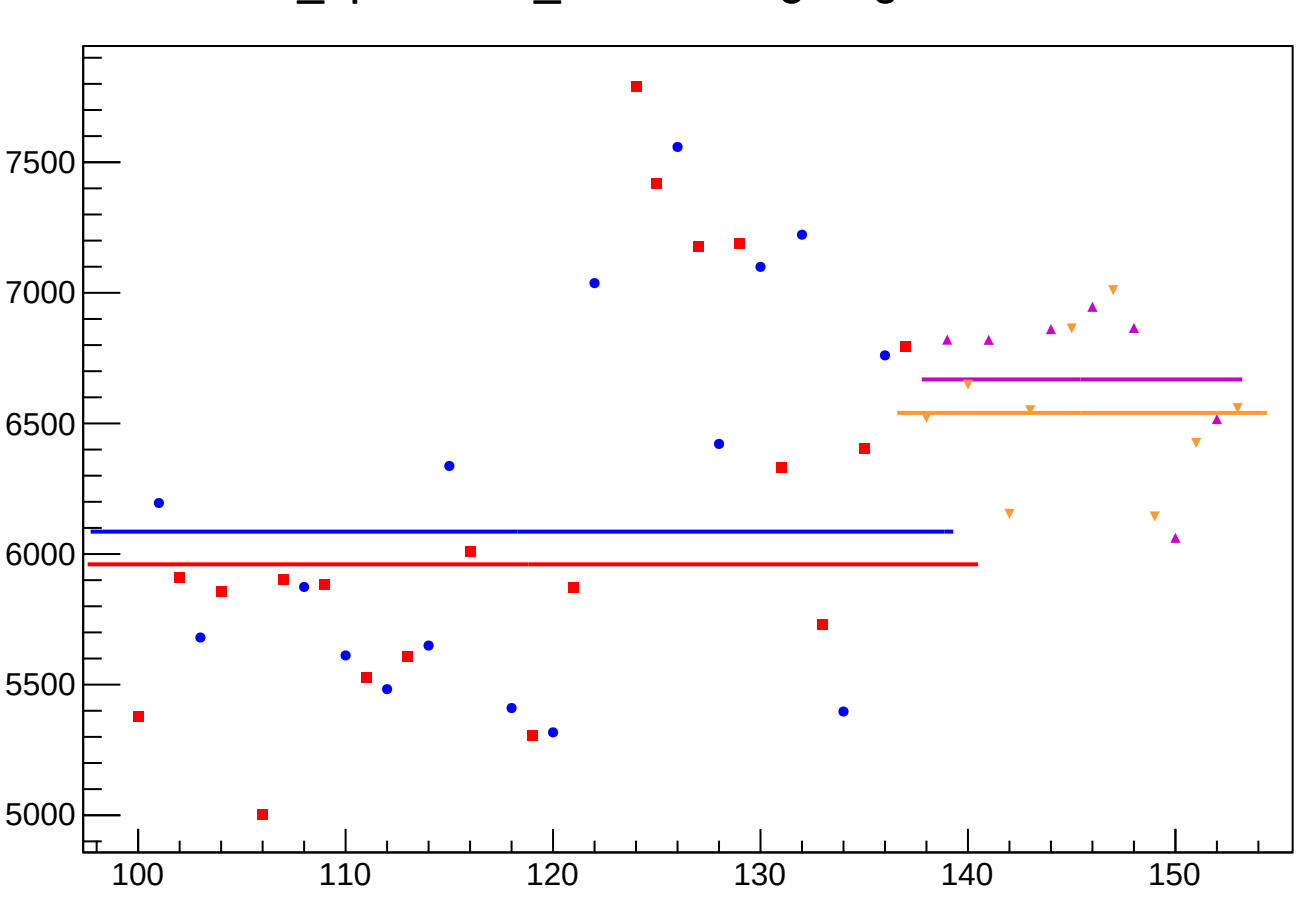
Left: -6.051+/-1.829 χ^2/NDF: 31.5/15

Right: -9.917+/-1.580 χ^2/NDF: 50.1/34

In: -12.303+/-1.744 χ^2/NDF:30.7/22

Out: -4.687+/-1.642 χ^2/NDF:43.3/27

All: -8.265+/-1.195 χ^2/NDF: 84.1/50



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6540.389+/-1.753 χ^2/NDF:22324.6/8

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

Left In: 6668.492+/-1.915 χ^2/NDF:26113.0/6

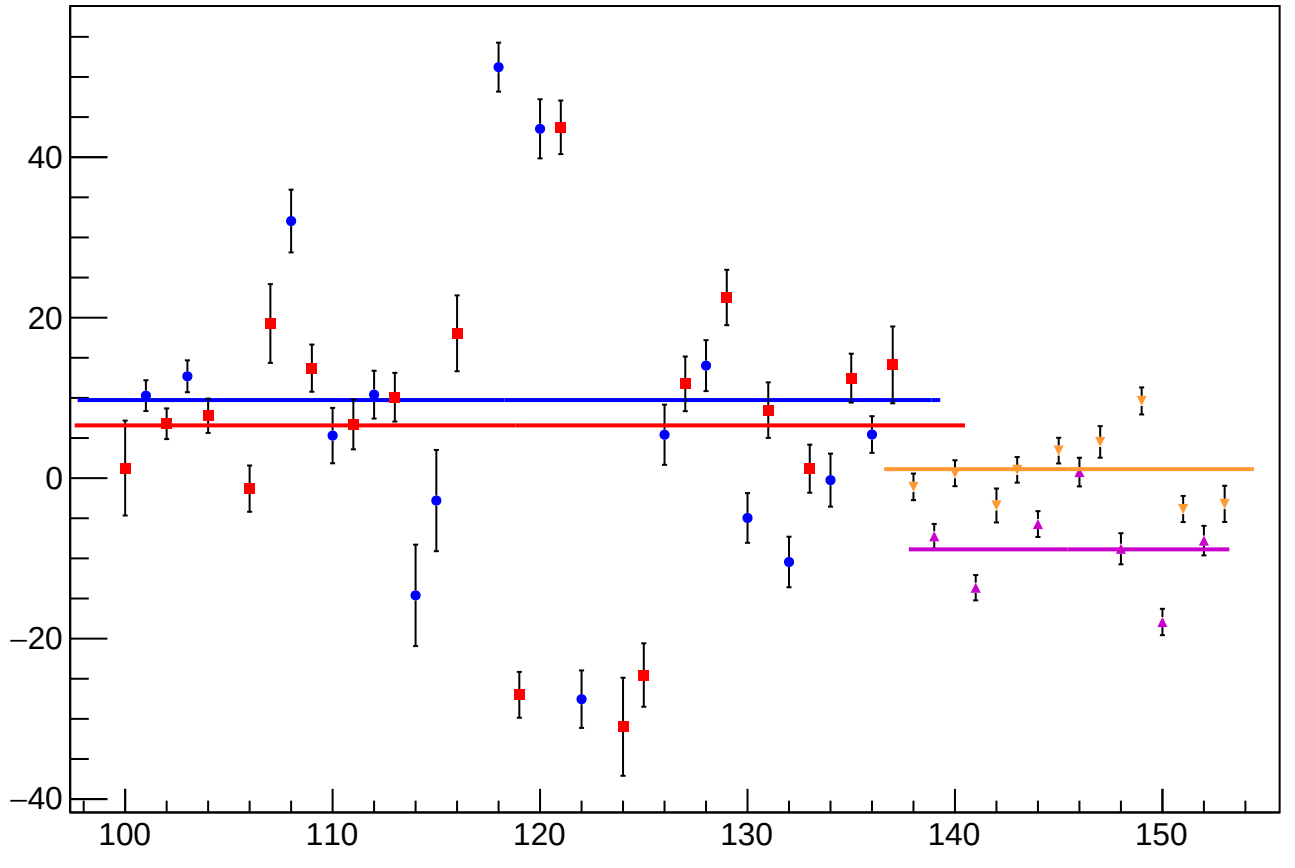
Left: 6598.777+/-1.293 χ^2/NDF: 50871.9/15

Right: 6020.747+/-1.117 χ^2/NDF: 345029.9/34

In: 6327.476+/-1.233 χ^2/NDF:259387.2/22

Out: 6214.872+/-1.161 χ^2/NDF:246518.7/27

All: 6267.762+/-0.845 χ^2/NDF: 510325.7/50



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 1.125+/-0.583 χ^2/NDF:49.9/8

Right Out: 6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: -8.875+/-0.638 χ^2/NDF:74.0/6

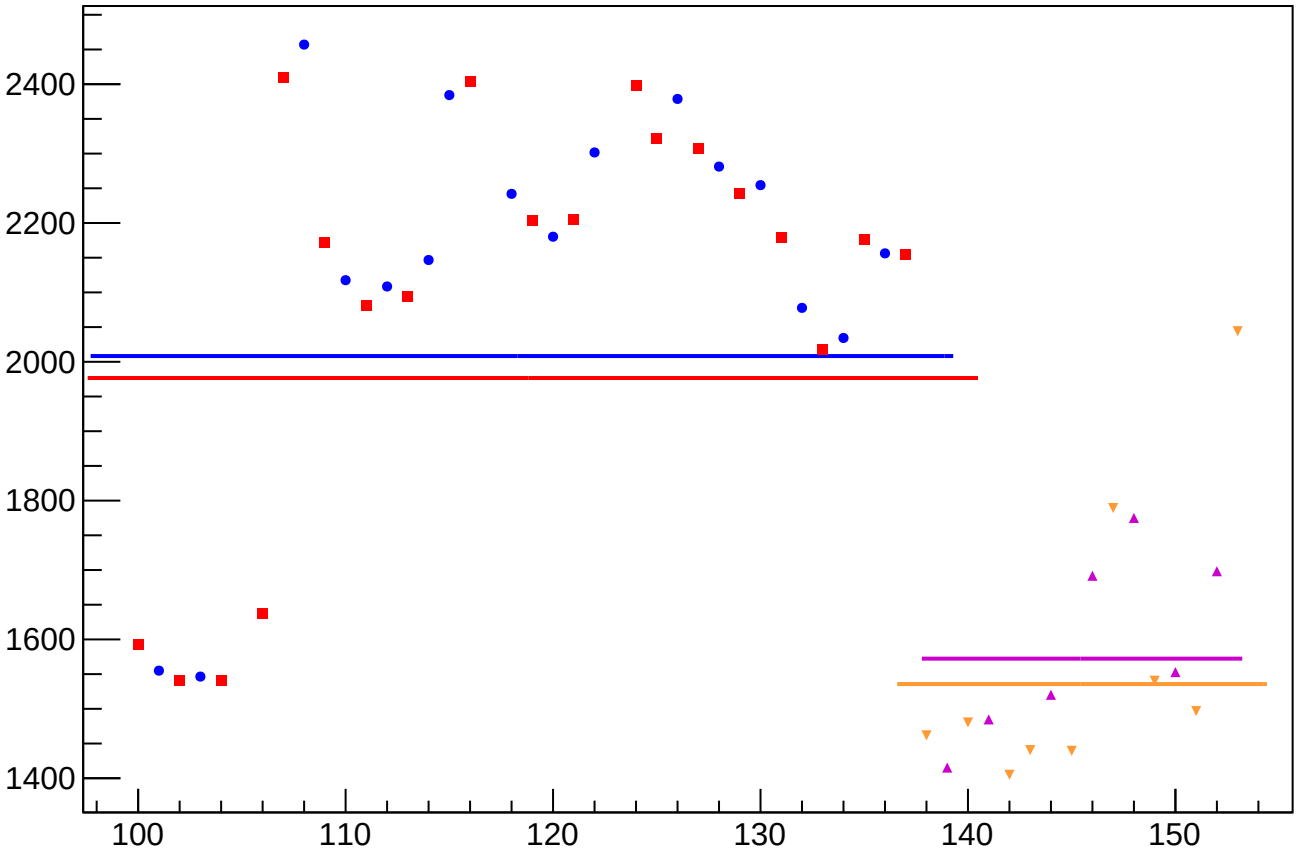
Left: -3.428+/-0.431 χ^2/NDF: 257.6/15

Right: 8.102+/-0.525 χ^2/NDF: 945.2/34

In: -1.119+/-0.487 χ^2/NDF:940.7/22

Out: 3.249+/-0.456 χ^2/NDF:507.7/27

All: 1.211+/-0.333 χ^2/NDF: 1491.2/50



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1535.664+/-0.413 χ^2/NDF:164147.8/8

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

Left In: 1572.311+/-0.451 χ^2/NDF:69498.6/6

Left: 1552.348+/-0.305 χ^2/NDF: 237238.1/15

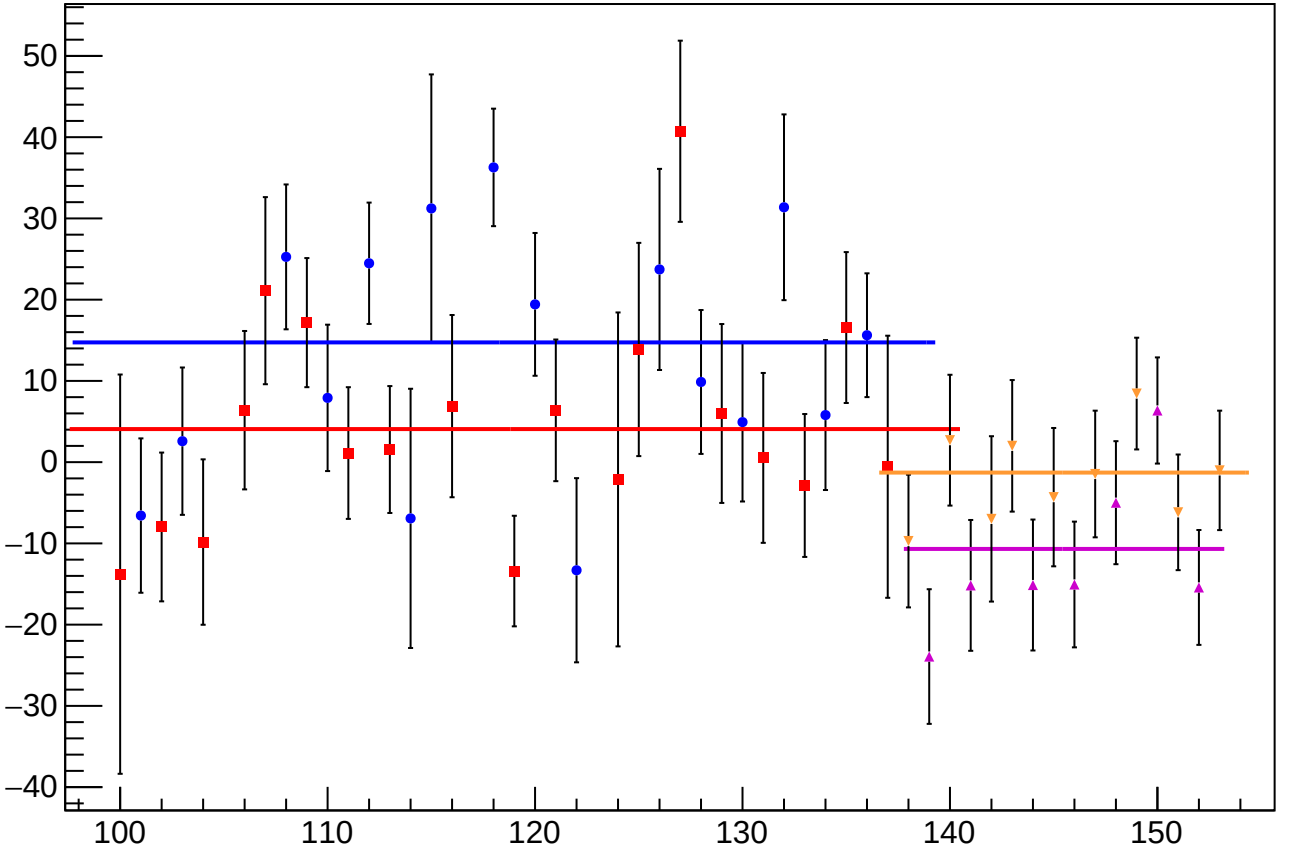
Right: 1991.963+/-0.371 χ^2/NDF: 711574.8/34

In: 1754.039+/-0.345 χ^2/NDF:802902.1/22

Out: 1707.484+/-0.322 χ^2/NDF:974674.2/27

All: 1729.207+/-0.235 χ^2/NDF: 1787309.7/50

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -1.284+/-2.626 χ^2/NDF:4.4/8

Right Out: 4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: -10.681+/-2.852 χ^2/NDF:11.3/6

Left: -5.596+/-1.932 χ^2/NDF: 21.6/15

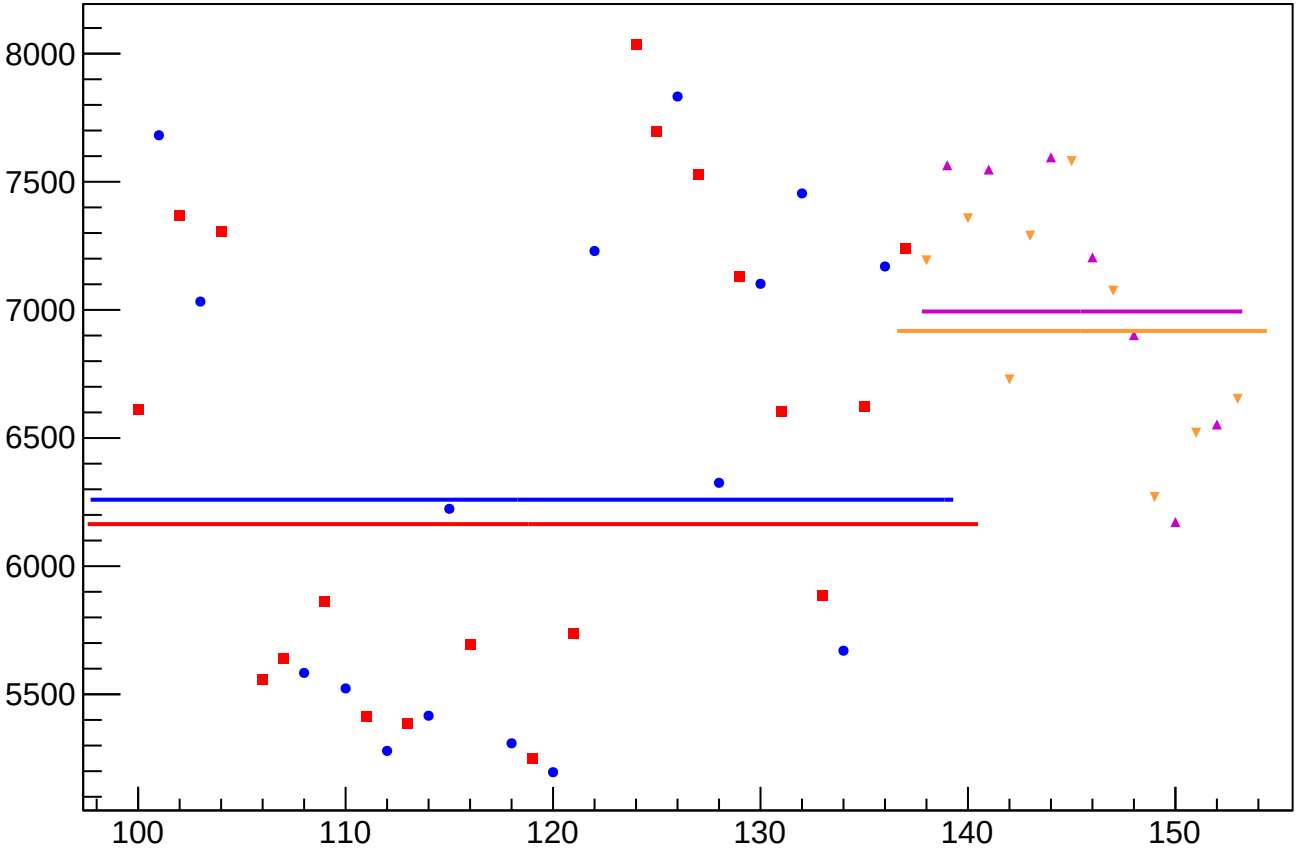
Right: 9.212+/-1.637 χ^2/NDF: 74.3/34

In: 4.419+/-1.817 χ^2/NDF:92.0/22

Out: 1.777+/-1.719 χ^2/NDF:36.9/27

All: 3.025+/-1.249 χ^2/NDF: 130.1/50

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 6917.922+/-1.857 χ^2/NDF:52685.6/8

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

Left In: 6993.770+/-2.017 χ^2/NDF:71292.1/6

Left: 6952.730+/-1.366 χ^2/NDF: 124743.2/15

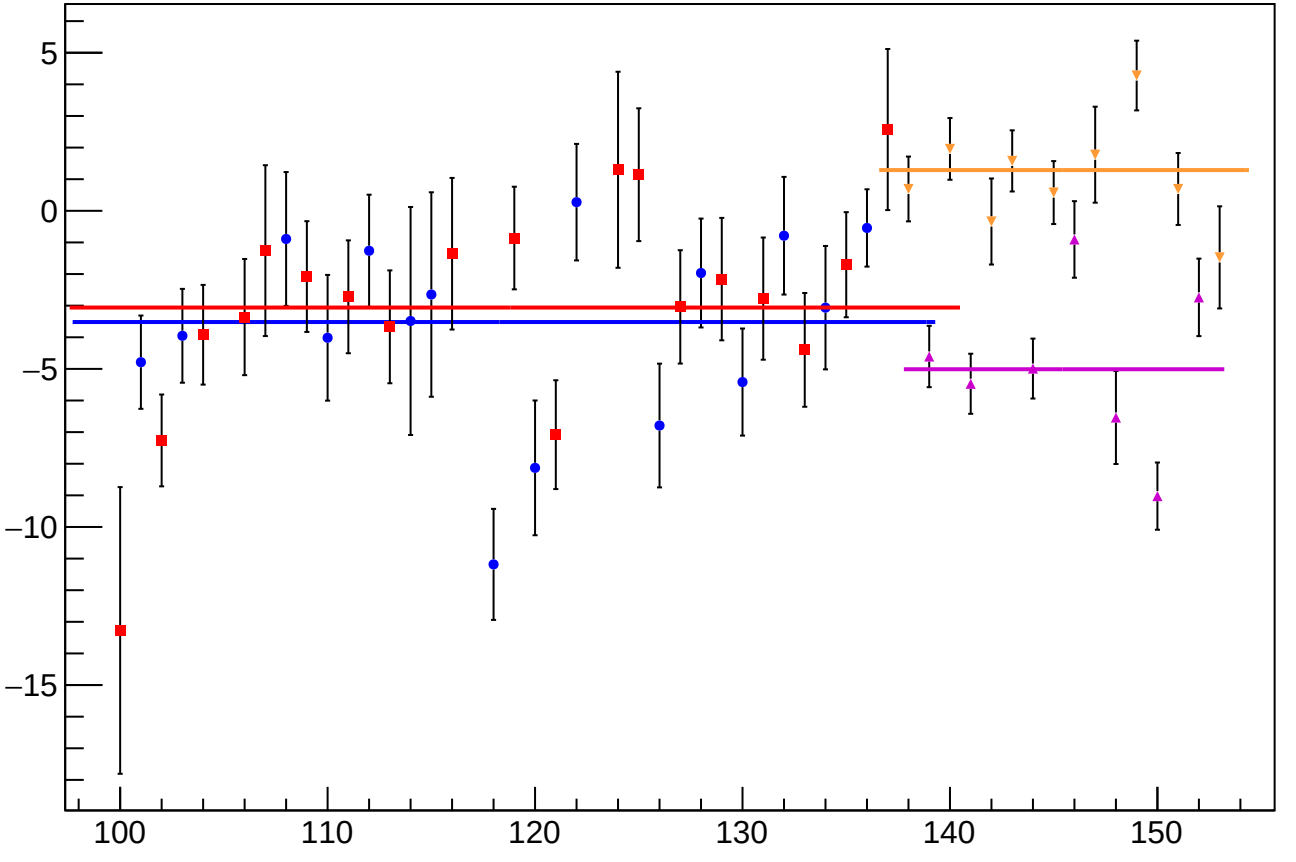
Right: 6210.053+/-1.157 χ^2/NDF: 575357.6/34

In: 6557.548+/-1.285 χ^2/NDF:458674.9/22

Out: 6487.061+/-1.216 χ^2/NDF:411908.3/27

All: 6520.352+/-0.883 χ^2/NDF: 872171.3/50

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 1.288+/-0.377 χ^2/NDF:13.5/8

Right Out: -3.059+/-0.438 χ^2/NDF: 34.8/18

Left In: -5.011+/-0.409 χ^2/NDF:30.7/6

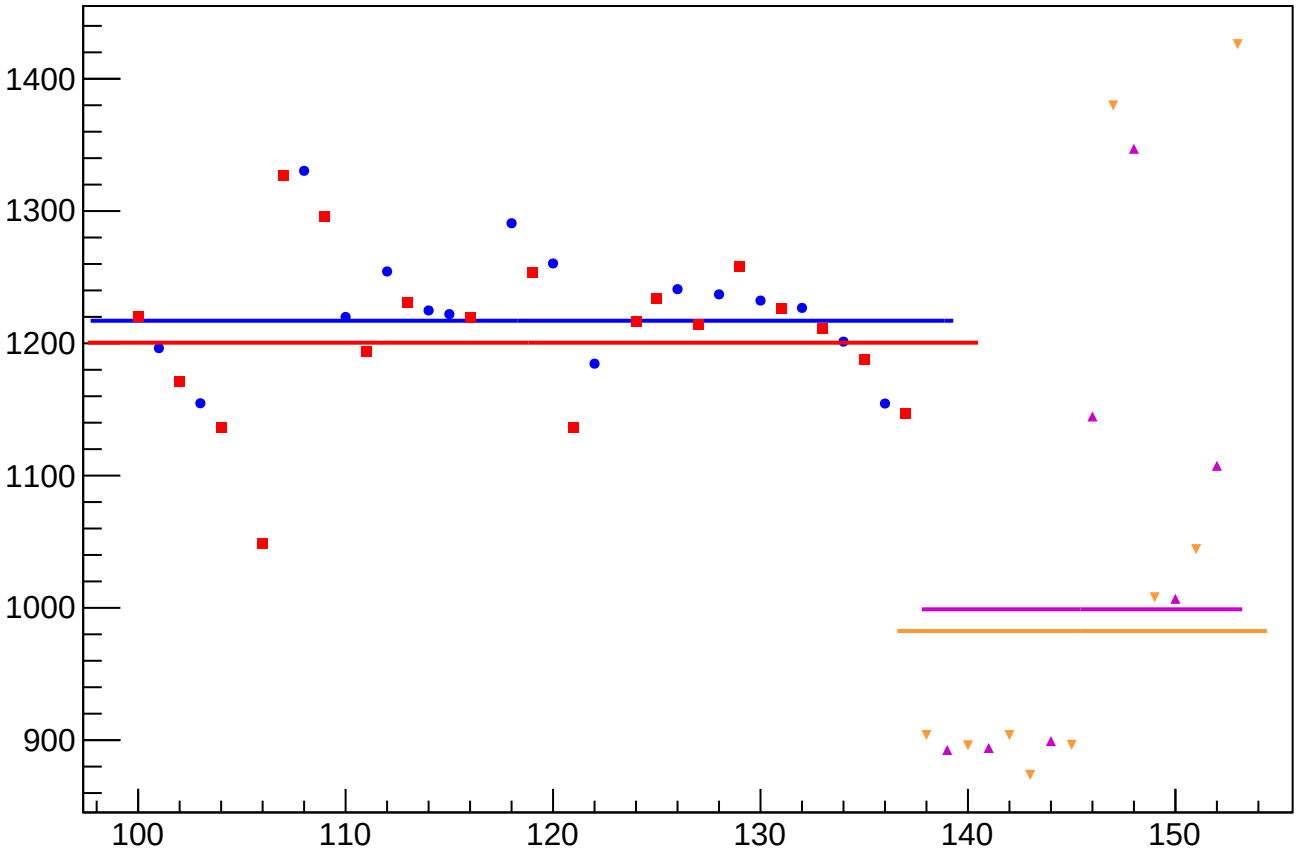
Left: -1.606+/-0.277 χ^2/NDF: 172.4/15

Right: -3.281+/-0.315 χ^2/NDF: 80.4/34

In: -4.340+/-0.303 χ^2/NDF:81.8/22

Out: -0.561+/-0.286 χ^2/NDF:104.8/27

All: -2.338+/-0.208 χ^2/NDF: 268.8/50



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 982.506+/-0.267 χ^2/NDF:369331.4/8

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

Left In: 998.898+/-0.289 χ^2/NDF:227367.4/6

Left: 990.038+/-0.196 χ^2/NDF: 598435.4/15

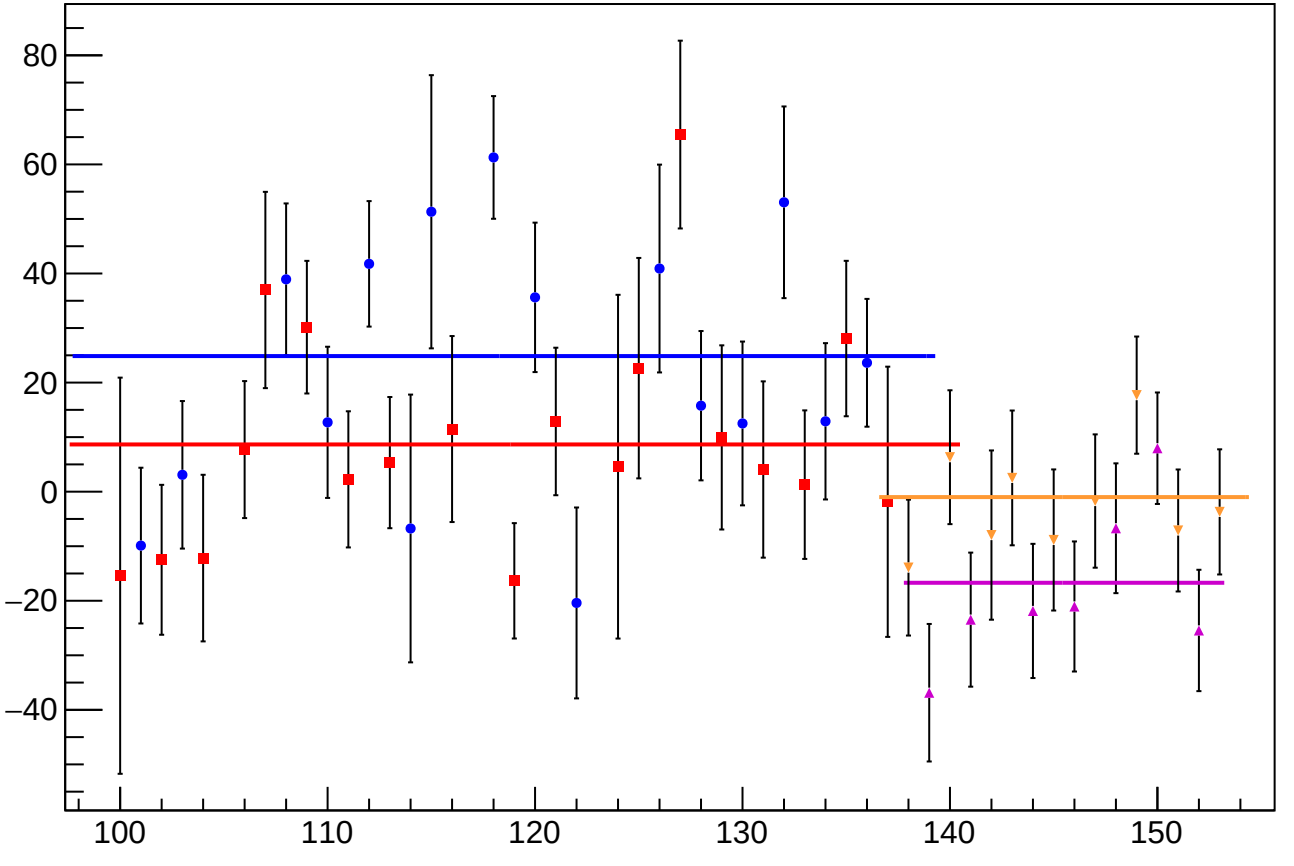
Right: 1208.533+/-0.223 χ^2/NDF: 60729.4/34

In: 1097.030+/-0.215 χ^2/NDF:505044.3/22

Out: 1075.218+/-0.202 χ^2/NDF:691248.2/27

All: 1085.476+/-0.147 χ^2/NDF: 1201768.4/50

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -0.994+/-4.058 χ^2/NDF:5.5/8

Right Out: 8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: -16.704+/-4.416 χ^2/NDF:10.3/6

Left: -8.186+/-2.988 χ^2/NDF: 22.6/15

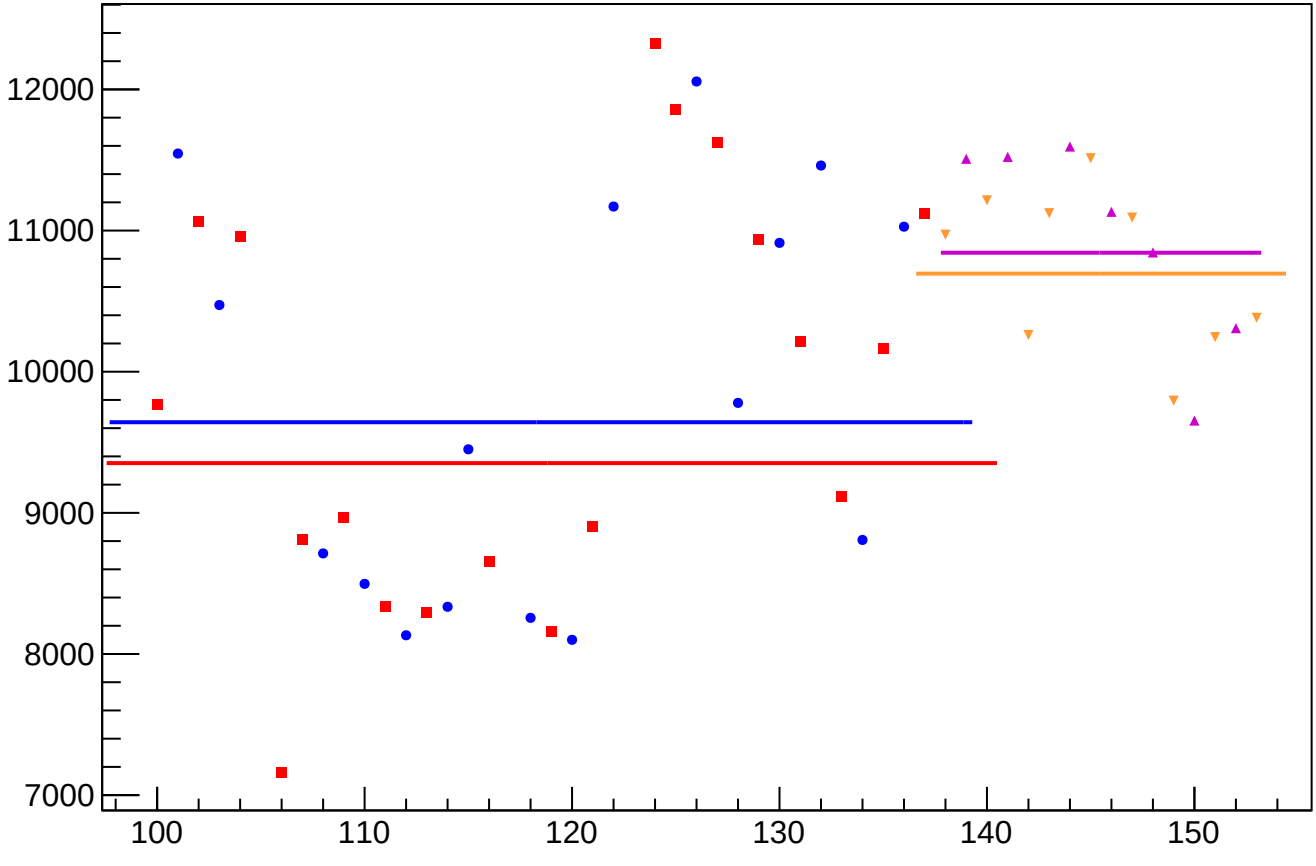
Right: 16.361+/-2.501 χ^2/NDF: 78.7/34

In: 8.113+/-2.803 χ^2/NDF:101.3/22

Out: 4.604+/-2.630 χ^2/NDF:38.9/27

All: 6.246+/-1.918 χ^2/NDF: 141.1/50

diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 10694.875+/-2.870 χ^2/NDF:37411.2/8

Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

Left In: 10843.061+/-3.123 χ^2/NDF:52044.1/6

Left: 10762.717+/-2.113 χ^2/NDF: 90676.2/15

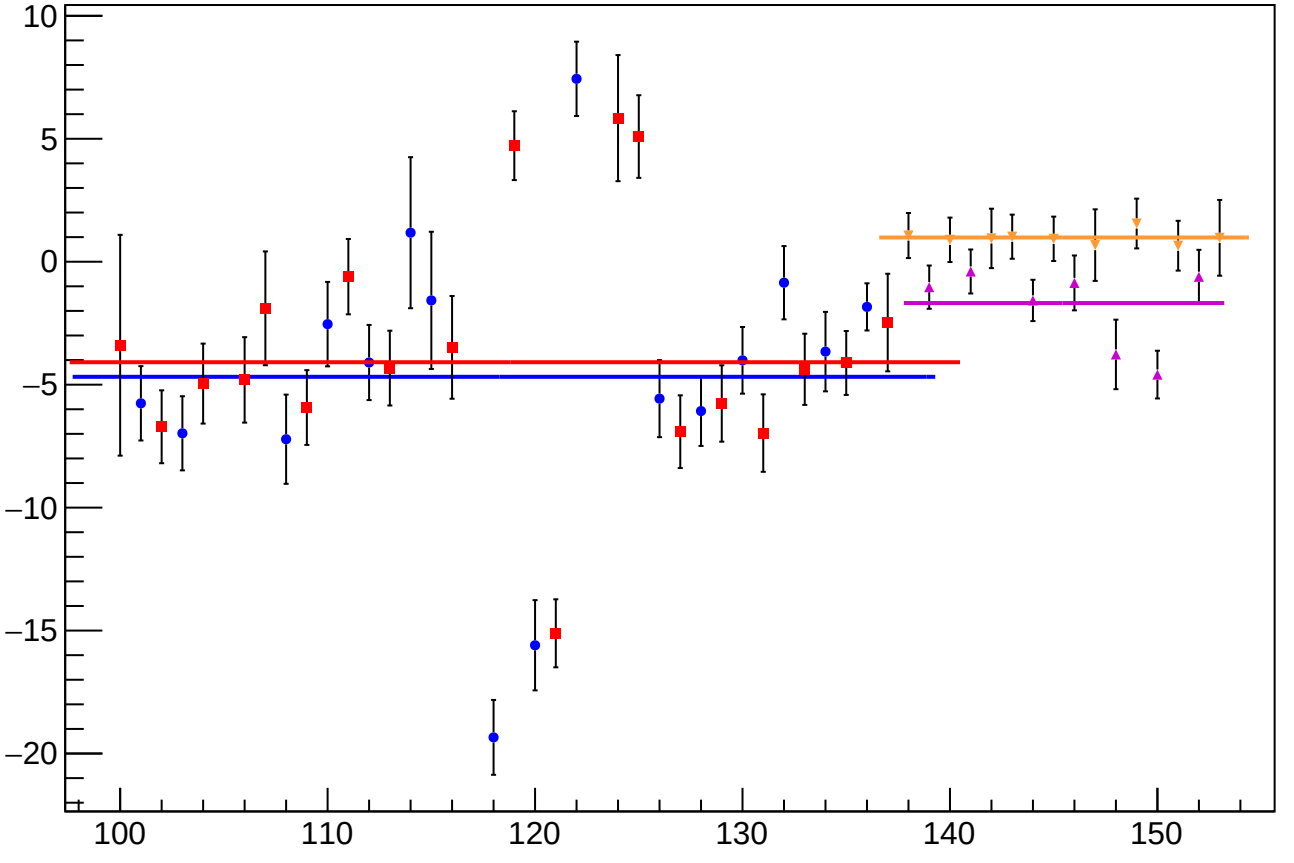
Right: 9490.167+/-1.769 χ^2/NDF: 588120.8/34

In: 10125.992+/-1.982 χ^2/NDF:420012.4/22

Out: 9916.367+/-1.860 χ^2/NDF:466104.1/27

All: 10014.505+/-1.356 χ^2/NDF: 892064.3/50

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 0.986+/-0.345 χ^2/NDF:0.5/8

Right Out: -4.087+/-0.376 χ^2/NDF: 168.1/18

Left In: -1.680+/-0.374 χ^2/NDF:15.3/6

Left: -0.240+/-0.253 χ^2/NDF: 43.3/15

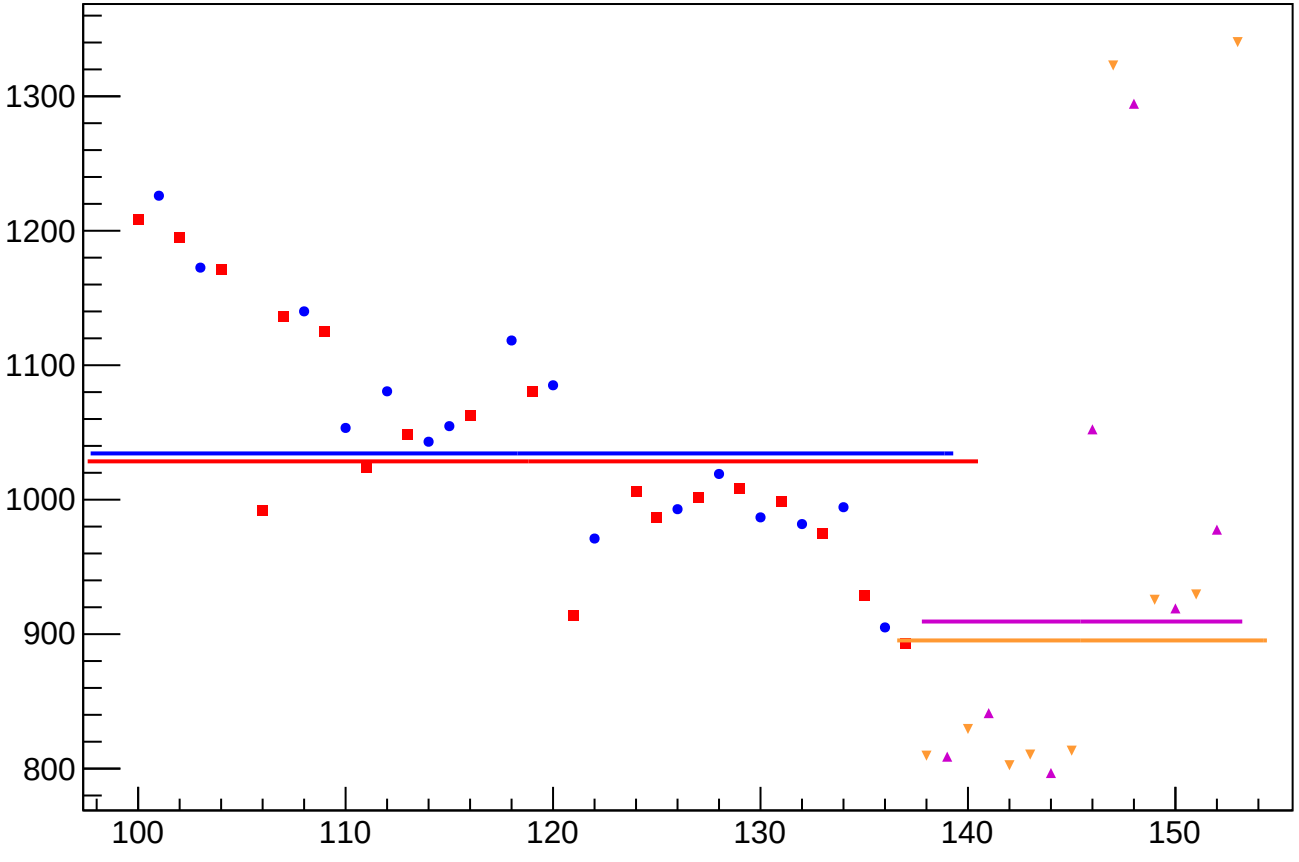
Right: -4.376+/-0.269 χ^2/NDF: 390.5/34

In: -3.133+/-0.268 χ^2/NDF:267.7/22

Out: -1.329+/-0.254 χ^2/NDF:267.3/27

All: -2.182+/-0.185 χ^2/NDF: 558.8/50

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 895.320+/-0.244 χ^2/NDF:417917.3/8

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

Left In: 909.381+/-0.264 χ^2/NDF:263022.0/6

Left: 901.785+/-0.179 χ^2/NDF: 682468.9/15

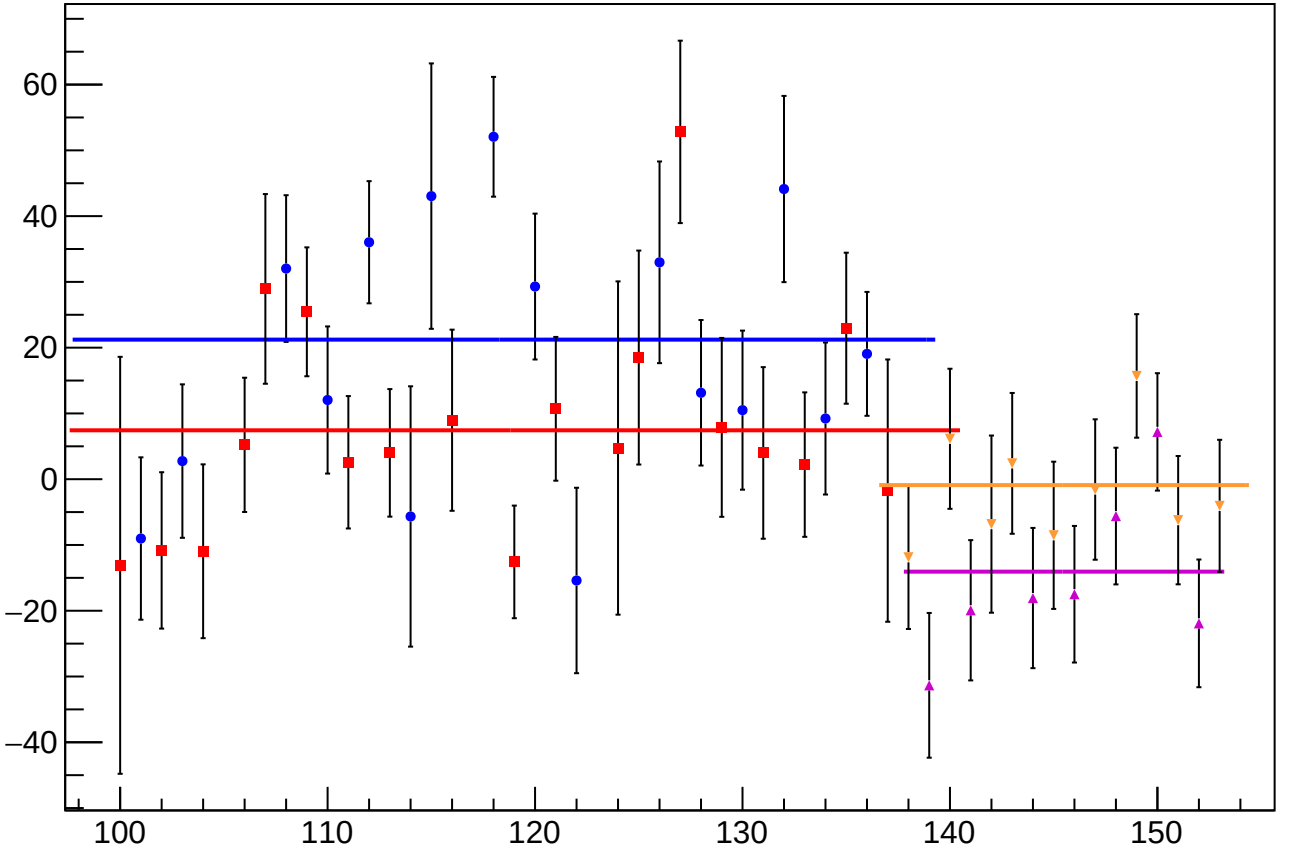
Right: 1031.379+/-0.190 χ^2/NDF: 215143.2/34

In: 969.907+/-0.190 χ^2/NDF:484657.4/22

Out: 956.081+/-0.180 χ^2/NDF:655705.3/27

All: 962.619+/-0.131 χ^2/NDF: 1143160.0/50

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -0.897+/-3.536 χ^2/NDF:5.7/8

Right Out: 7.435+/-2.810 χ^2/NDF: 29.8/18

Left In: -14.057+/-3.848 χ^2/NDF:10.0/6

Left: -6.922+/-2.603 χ^2/NDF: 22.1/15

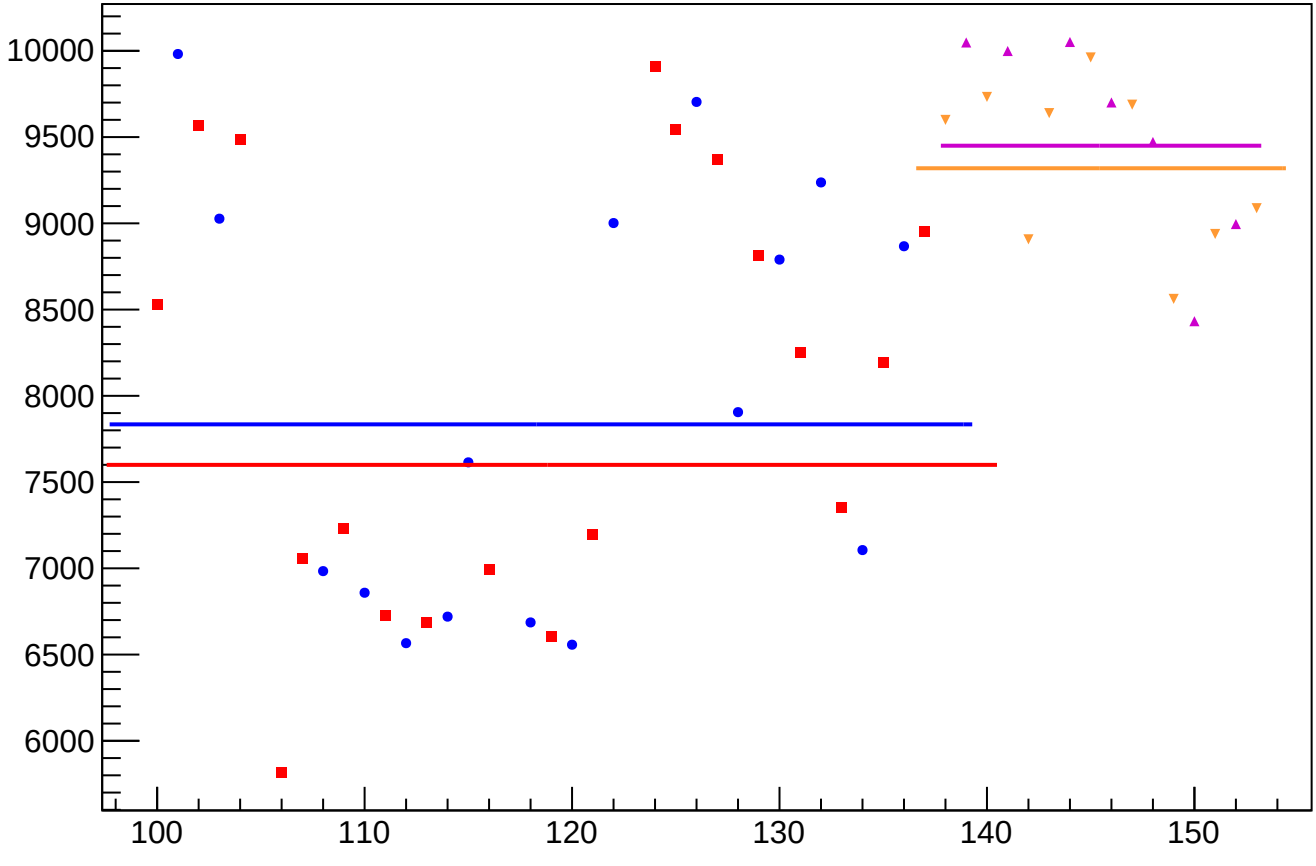
Right: 13.990+/-2.035 χ^2/NDF: 81.3/34

In: 8.152+/-2.342 χ^2/NDF:103.0/22

Out: 4.209+/-2.200 χ^2/NDF:38.9/27

All: 6.057+/-1.603 χ^2/NDF: 143.4/50

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 9319.322+/-2.500 χ^2/NDF:34088.1/8

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

Left In: 9450.040+/-2.721 χ^2/NDF:49114.7/6

Left: 9379.165+/-1.841 χ^2/NDF: 84454.4/15

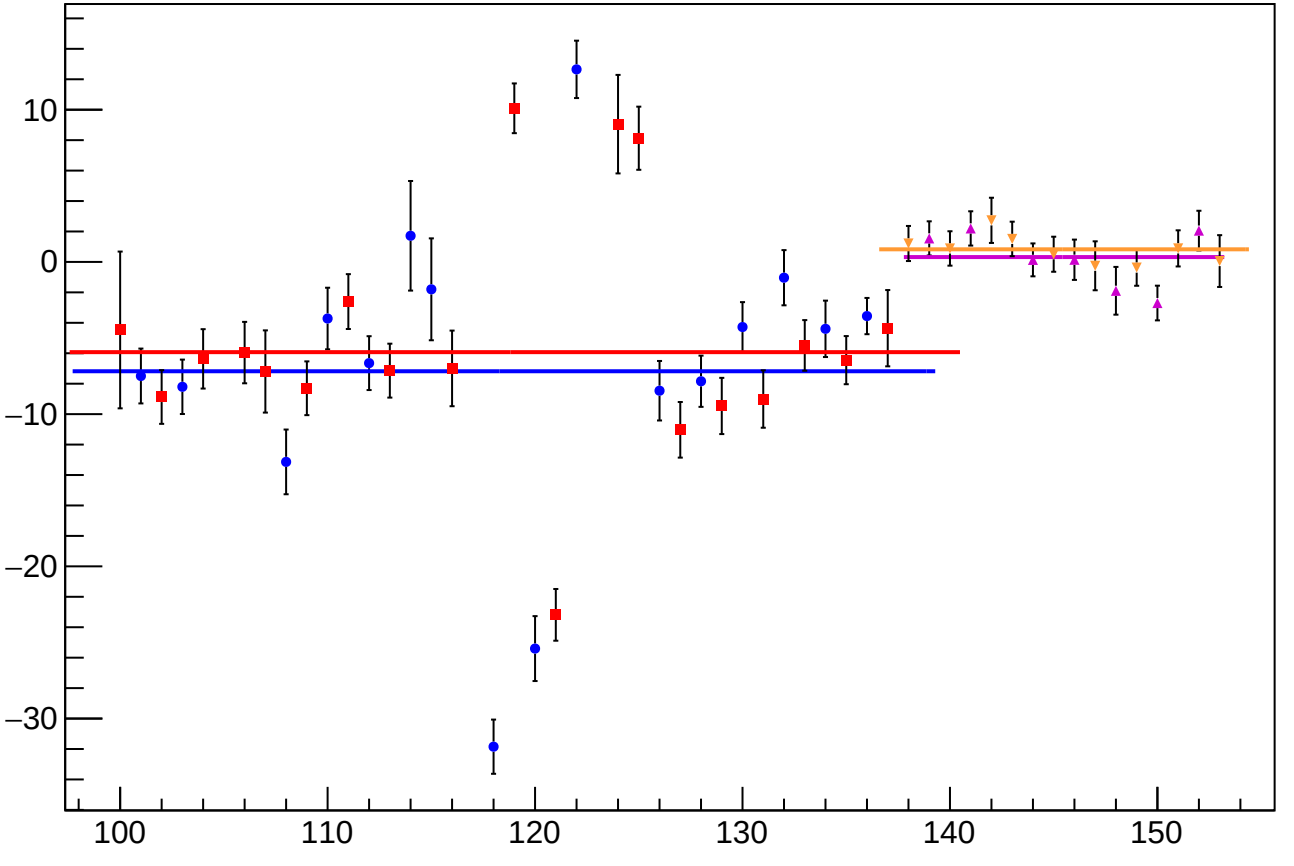
Right: 7711.419+/-1.439 χ^2/NDF: 669028.2/34

In: 8433.100+/-1.656 χ^2/NDF:589123.1/22

Out: 8265.523+/-1.556 χ^2/NDF:668300.5/27

All: 8344.077+/-1.134 χ^2/NDF: 1262863.1/50

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 0.828+/-0.420 χ^2/NDF:3.9/8

Right Out: -5.927+/-0.449 χ^2/NDF: 290.4/18

Left In: 0.319+/-0.458 χ^2/NDF:14.8/6

Left: 0.595+/-0.310 χ^2/NDF: 19.4/15

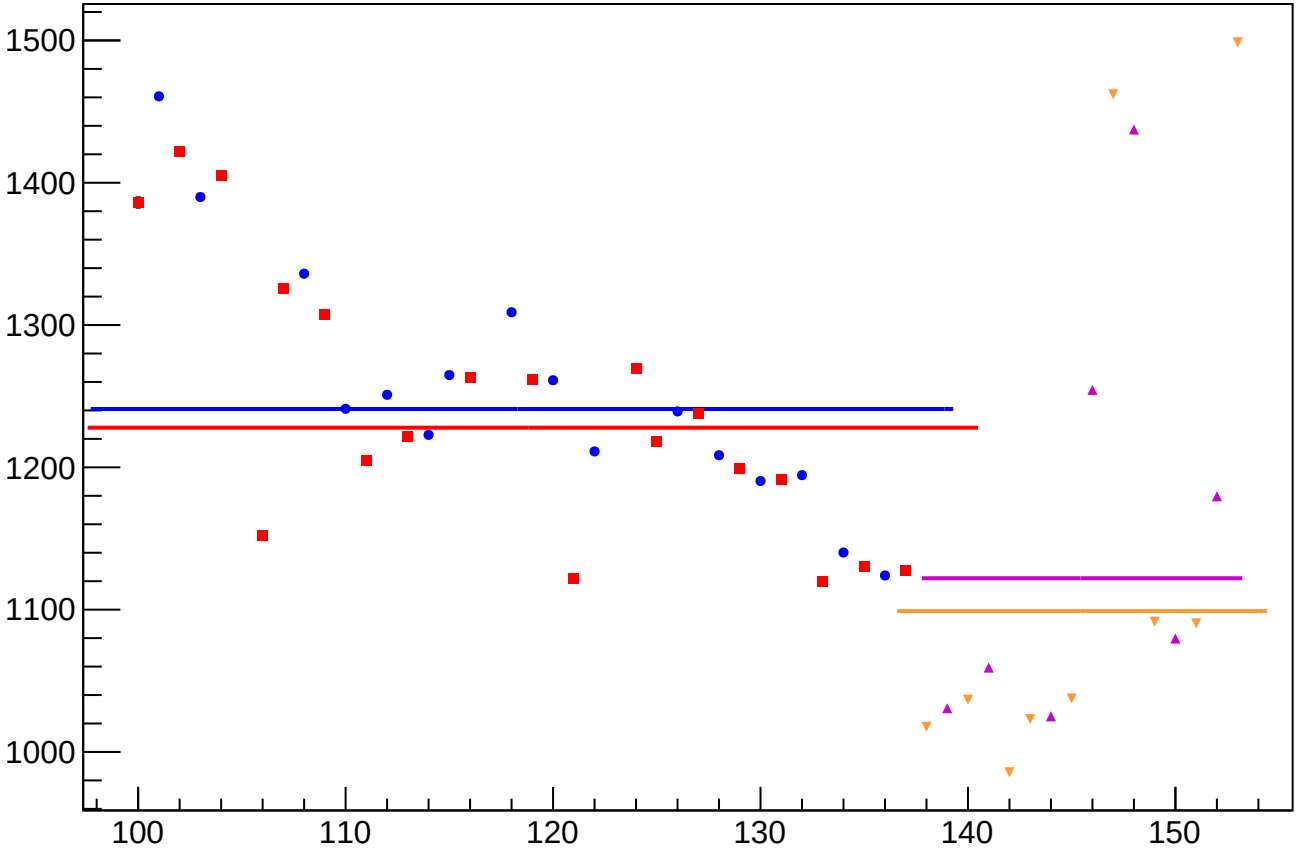
Right: -6.537+/-0.322 χ^2/NDF: 716.4/34

In: -3.395+/-0.325 χ^2/NDF:570.0/22

Out: -2.324+/-0.307 χ^2/NDF:414.9/27

All: -2.828+/-0.223 χ^2/NDF: 990.6/50

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1099.034+/-0.297 χ^2/NDF:254764.7/8

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

Left In: 1122.072+/-0.324 χ^2/NDF:143059.2/6

Left: 1109.567+/-0.219 χ^2/NDF: 400573.1/15

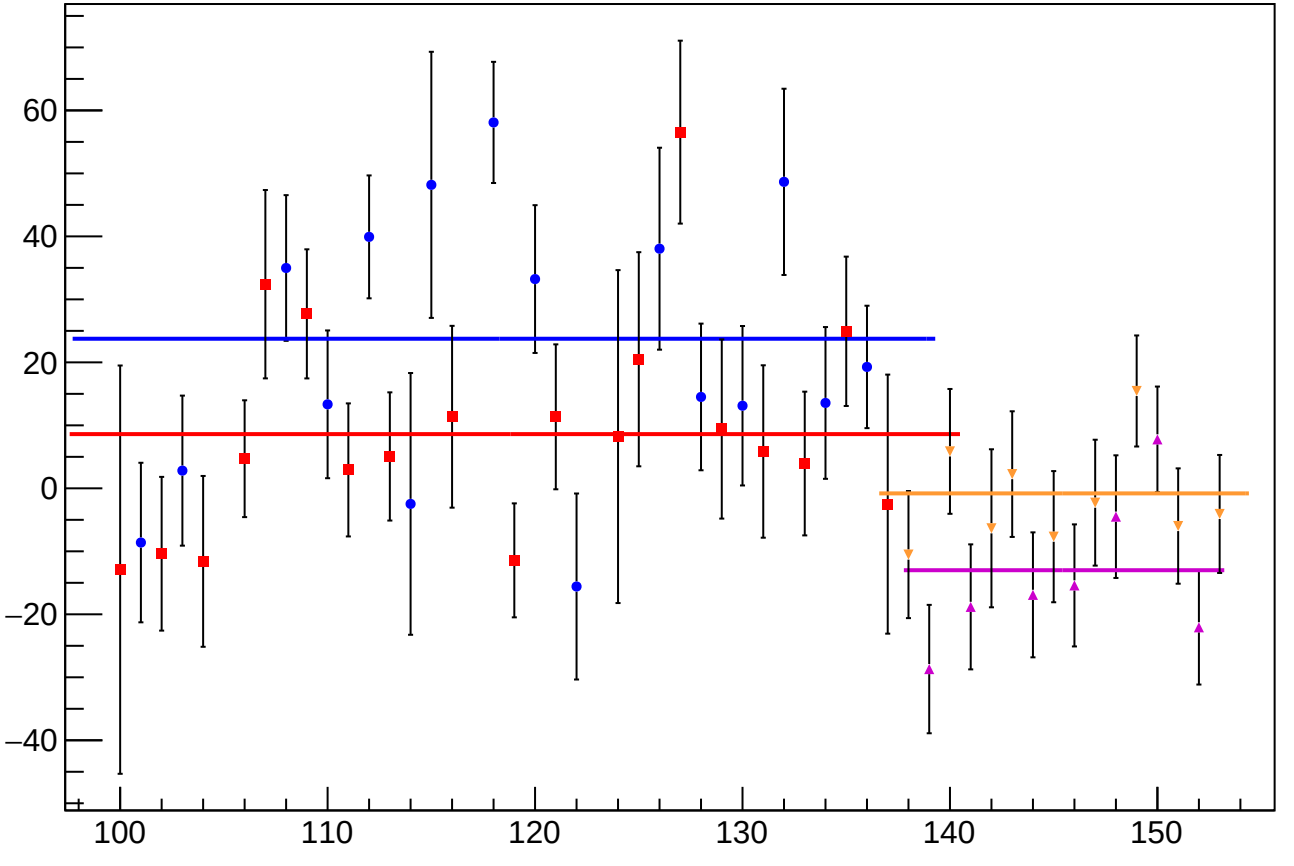
Right: 1234.245+/-0.228 χ^2/NDF: 163824.2/34

In: 1180.951+/-0.230 χ^2/NDF:290545.8/22

Out: 1159.155+/-0.217 χ^2/NDF:424856.5/27

All: 1169.417+/-0.158 χ^2/NDF: 720153.8/50

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -0.803+/-3.300 χ^2/NDF:6.0/8

Right Out: 8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: -12.999+/-3.593 χ^2/NDF:10.8/6

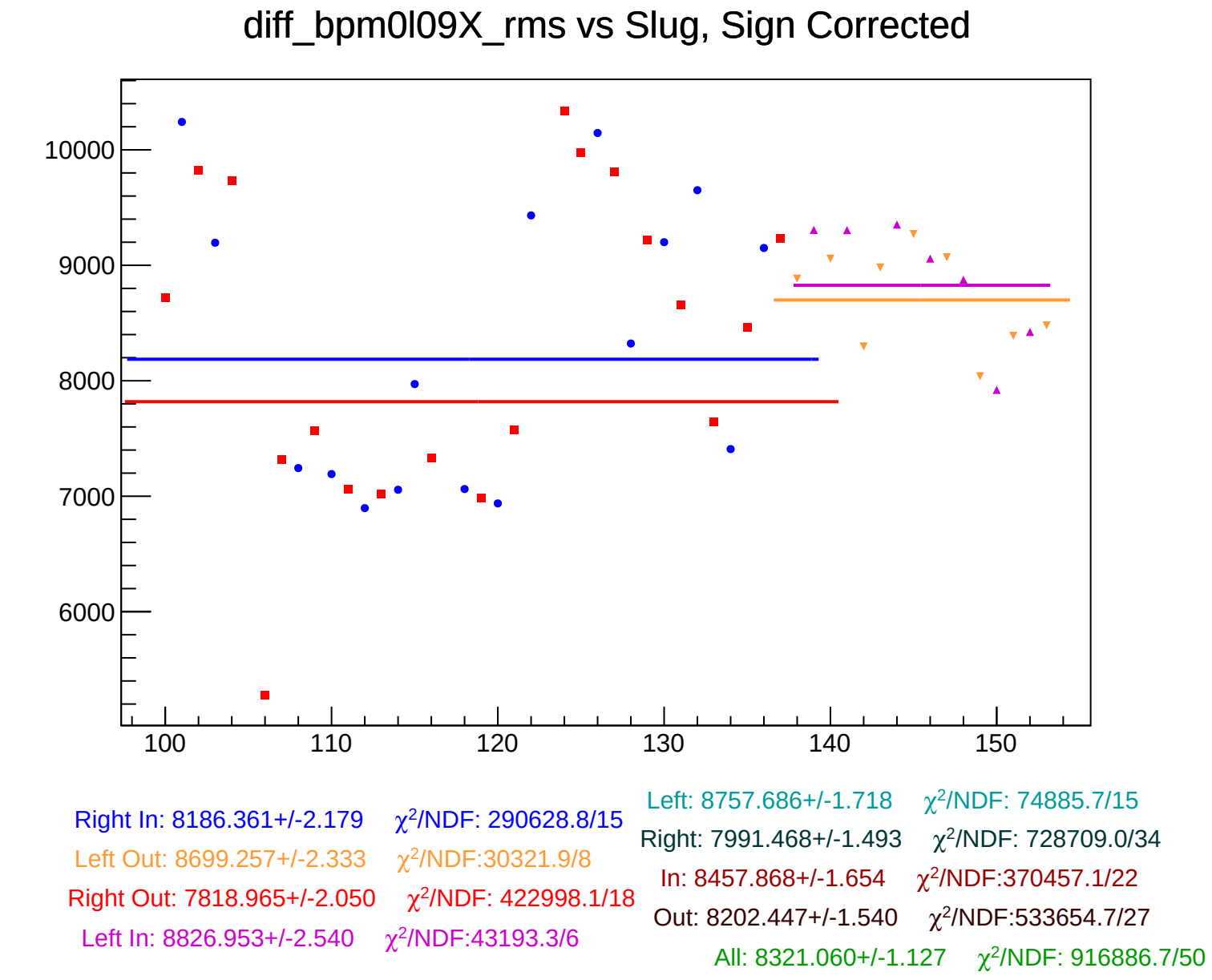
Left: -6.384+/-2.430 χ^2/NDF: 23.1/15

Right: 15.718+/-2.111 χ^2/NDF: 86.7/34

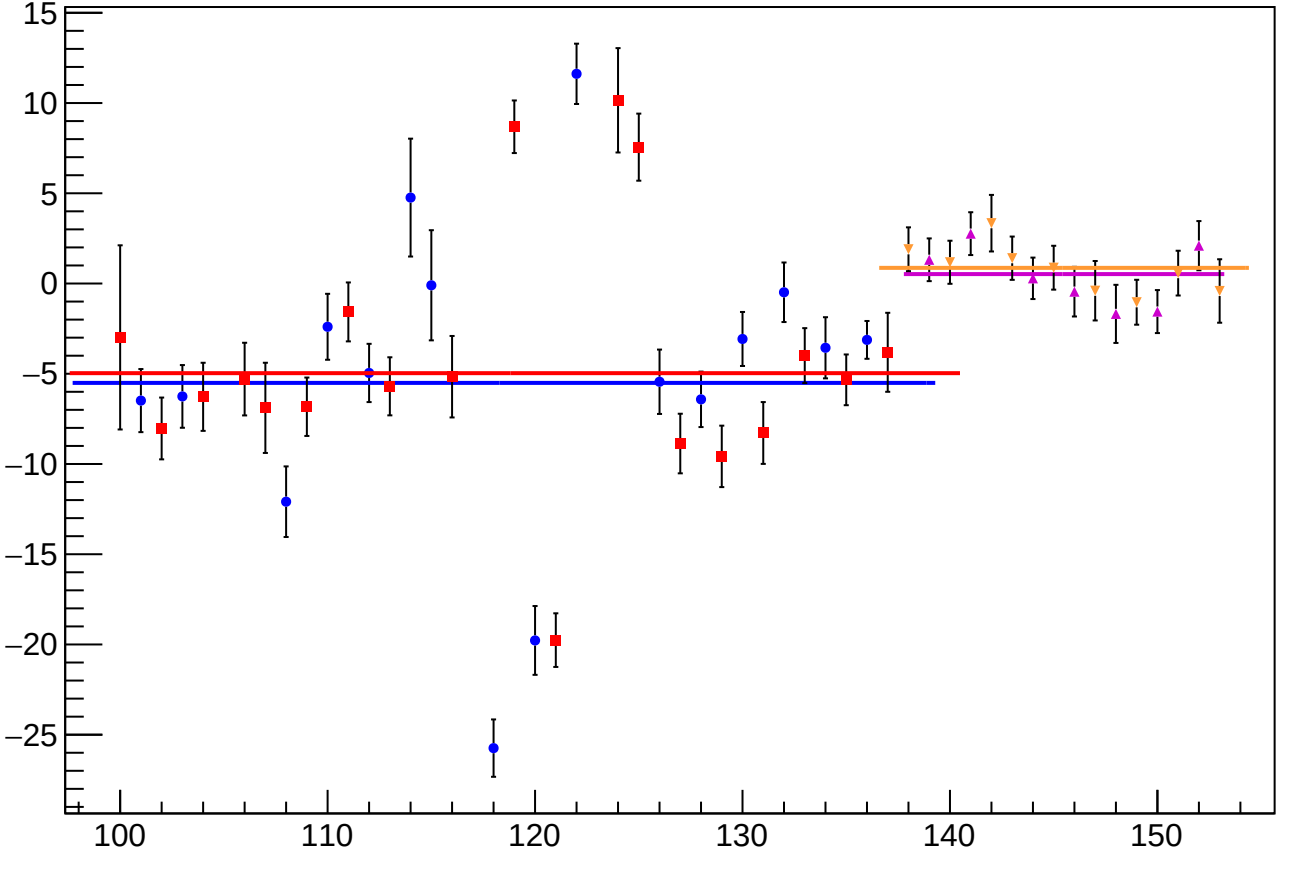
In: 8.174+/-2.339 χ^2/NDF:114.5/22

Out: 4.509+/-2.178 χ^2/NDF:41.0/27

All: 6.211+/-1.594 χ^2/NDF: 156.9/50


diff_bpm0l09X_rms vs Slug, Sign Corrected
10000
9000
8000
7000
6000
100
110
120
130
140
150
Right In: 8186.361+/-2.179 χ²/NDF: 290628.8/15
Left Out: 8699.257+/-2.333 χ²/NDF:30321.9/8
Right Out: 7818.965+/-2.050 χ²/NDF: 422998.1/18
Left In: 8826.953+/-2.540 χ²/NDF:43193.3/6
Left: 8757.686+/-1.718 χ²/NDF: 74885.7/15
Right: 7991.468+/-1.493 χ²/NDF: 728709.0/34
In: 8457.868+/-1.654 χ²/NDF:370457.1/22
Out: 8202.447+/-1.540 χ²/NDF:533654.7/27
All: 8321.060+/-1.127 χ²/NDF: 916886.7/50

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 0.867+/-0.441 χ^2/NDF:7.0/8

Right Out: -4.967+/-0.410 χ^2/NDF: 287.3/18

Left In: 0.522+/-0.480 χ^2/NDF:10.8/6

Left: 0.710+/-0.325 χ^2/NDF: 18.1/15

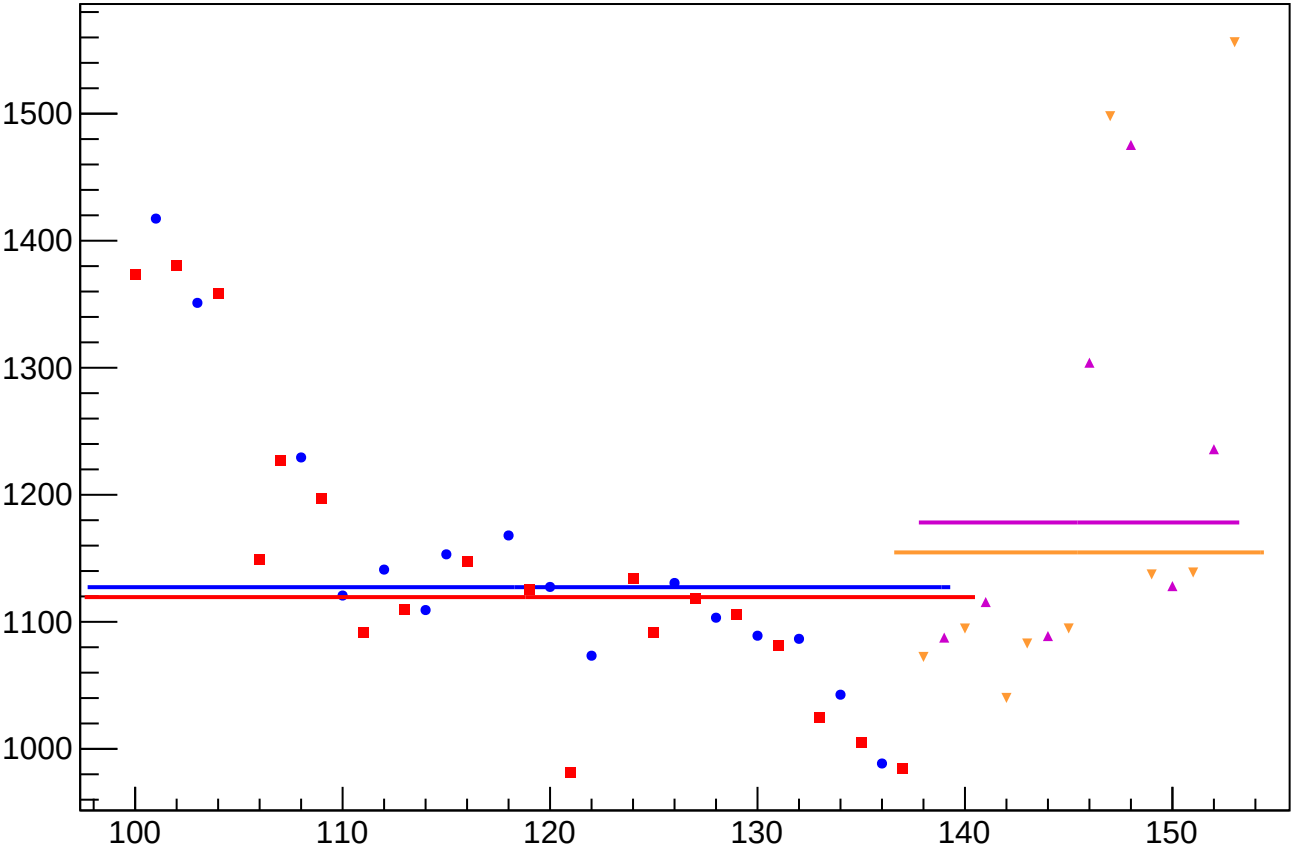
Right: -5.230+/-0.294 χ^2/NDF: 657.9/34

In: -2.886+/-0.316 χ^2/NDF:469.8/22

Out: -2.258+/-0.300 χ^2/NDF:388.2/27

All: -2.555+/-0.218 χ^2/NDF: 860.1/50

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1154.653+/-0.312 χ^2/NDF:228832.8/8

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

Left In: 1178.214+/-0.339 χ^2/NDF:121404.0/6

Left: 1165.430+/-0.230 χ^2/NDF: 352851.4/15

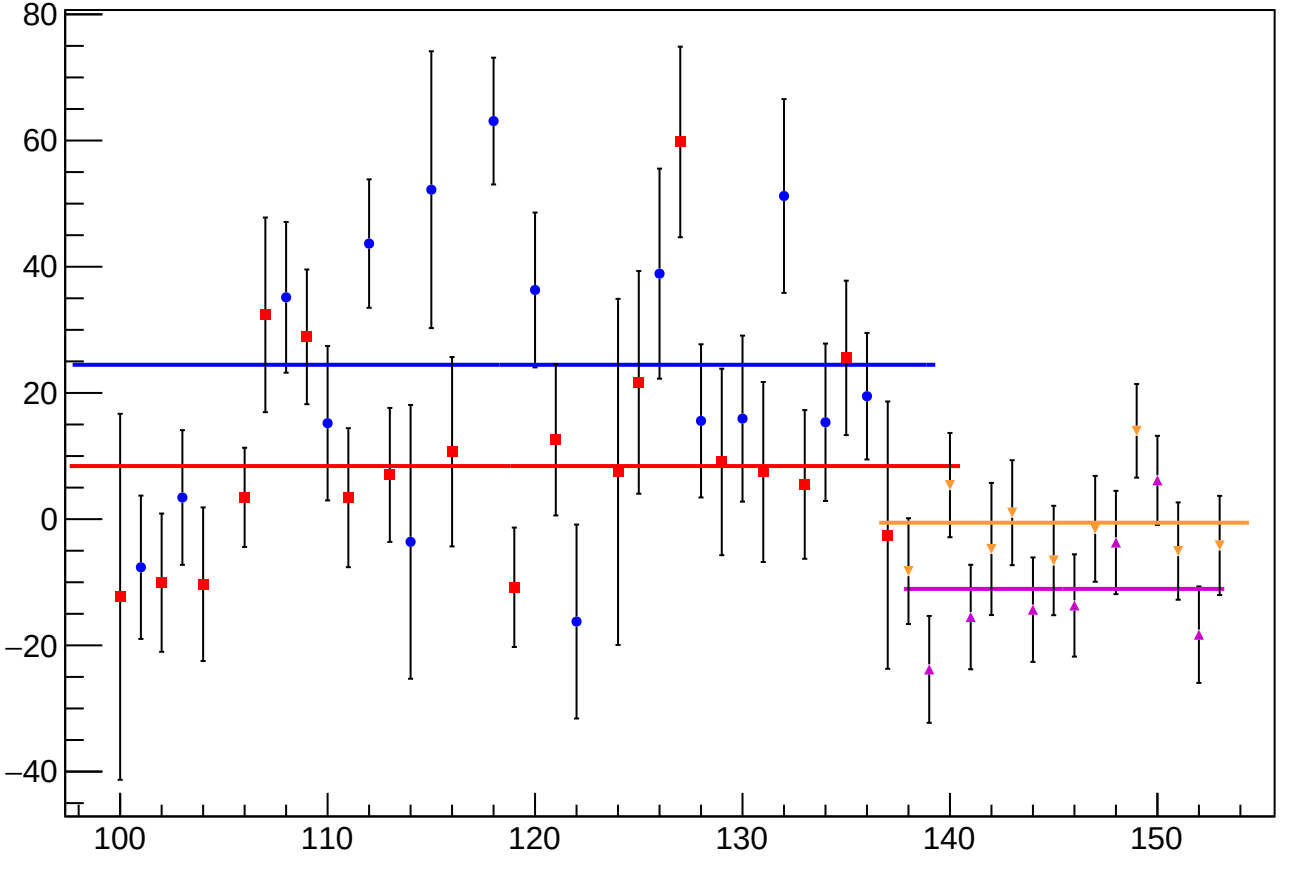
Right: 1123.282+/-0.208 χ^2/NDF: 281705.5/34

In: 1149.425+/-0.224 χ^2/NDF:274746.9/22

Out: 1135.809+/-0.212 χ^2/NDF:376395.1/27

All: 1142.261+/-0.154 χ^2/NDF: 653090.0/50

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -0.561+/-2.761 χ^2/NDF:6.4/8

Right Out: 8.413+/-2.891 χ^2/NDF: 31.1/18

Left In: -11.050+/-3.008 χ^2/NDF:10.5/6

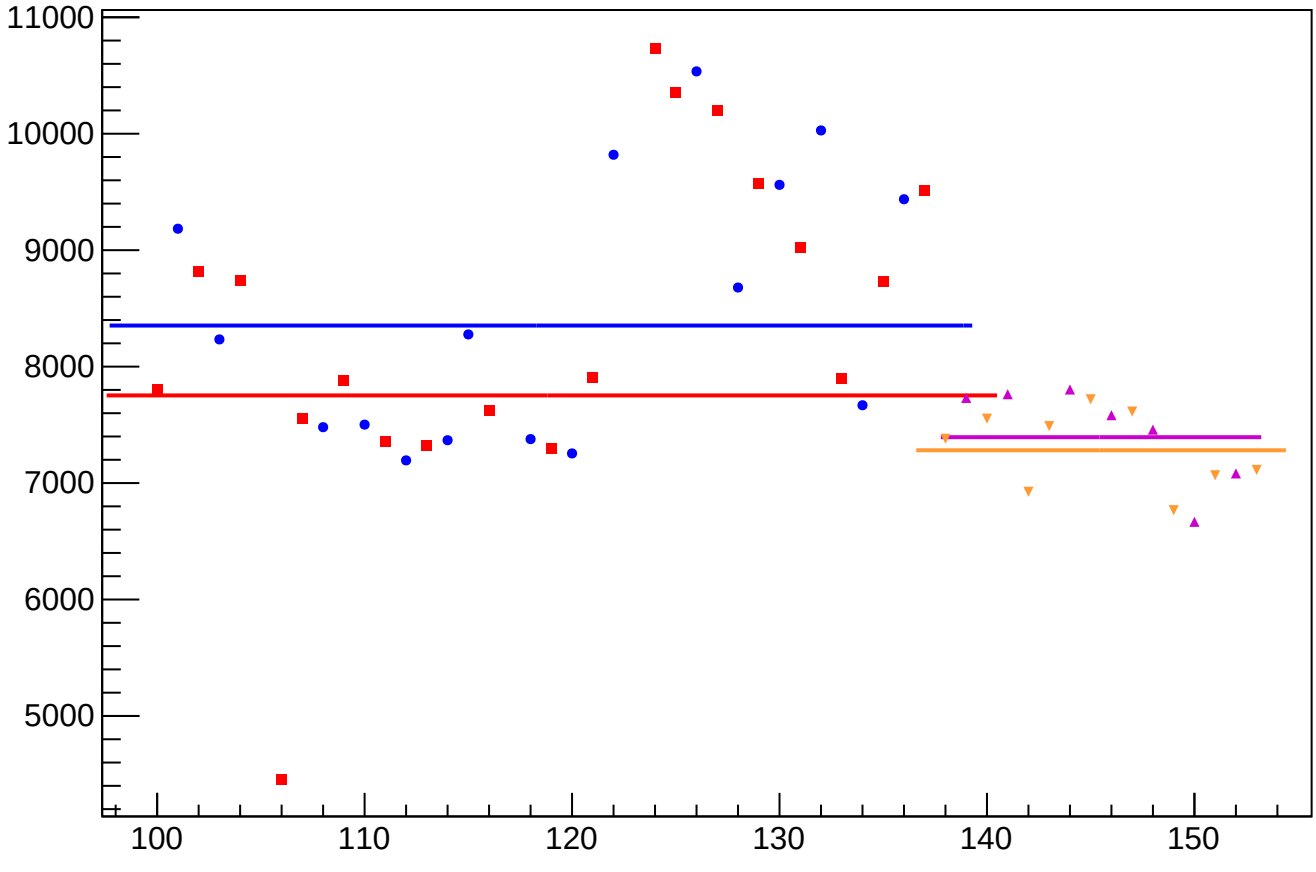
Left: -5.358+/-2.034 χ^2/NDF: 23.5/15

Right: 15.786+/-2.126 χ^2/NDF: 93.6/34

In: 5.968+/-2.171 χ^2/NDF:125.6/22

Out: 3.720+/-1.997 χ^2/NDF:42.6/27

All: 4.750+/-1.470 χ^2/NDF: 168.8/50



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 7281.574+/-1.953 χ^2/NDF:26336.2/8

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

Left In: 7394.015+/-2.127 χ^2/NDF:37783.2/6

Left: 7332.989+/-1.438 χ^2/NDF: 65635.7/15

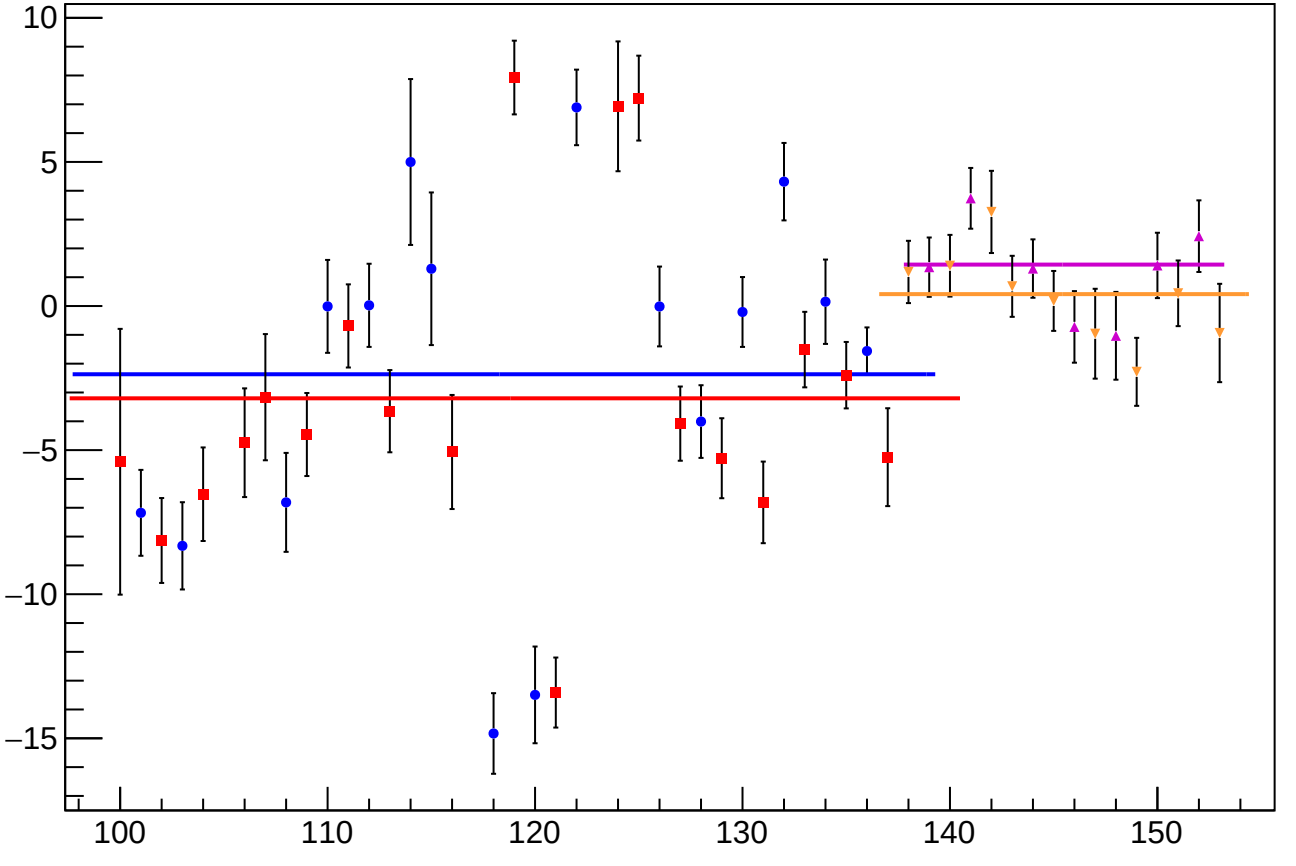
Right: 8028.343+/-1.503 χ^2/NDF: 848071.5/34

In: 7853.461+/-1.535 χ^2/NDF:355537.6/22

Out: 7506.328+/-1.412 χ^2/NDF:642180.3/27

All: 7665.411+/-1.039 χ^2/NDF: 1025417.6/50

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: 0.413+/-0.399 χ^2/NDF:12.1/8

Right Out: -3.203+/-0.346 χ^2/NDF: 250.5/18

Left In: 1.438+/-0.433 χ^2/NDF:11.1/6

Left: 0.883+/-0.294 χ^2/NDF: 26.2/15

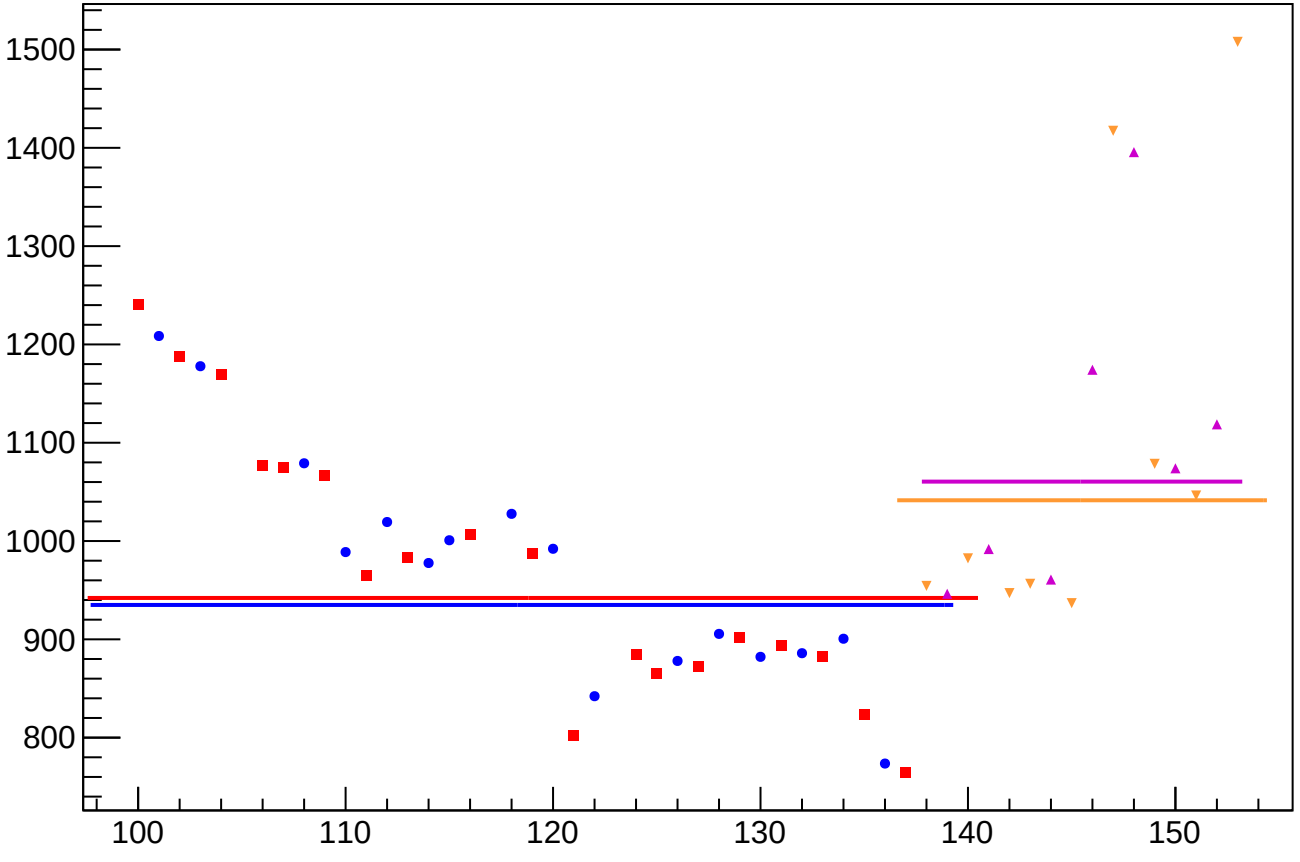
Right: -2.790+/-0.246 χ^2/NDF: 509.0/34

In: -0.863+/-0.273 χ^2/NDF:313.3/22

Out: -1.649+/-0.262 χ^2/NDF:309.5/27

All: -1.272+/-0.189 χ^2/NDF: 627.0/50

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 1041.456+/-0.282 χ^2/NDF:328669.2/8

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

Left In: 1060.443+/-0.306 χ^2/NDF:170725.4/6

Left: 1050.165+/-0.208 χ^2/NDF: 501472.3/15

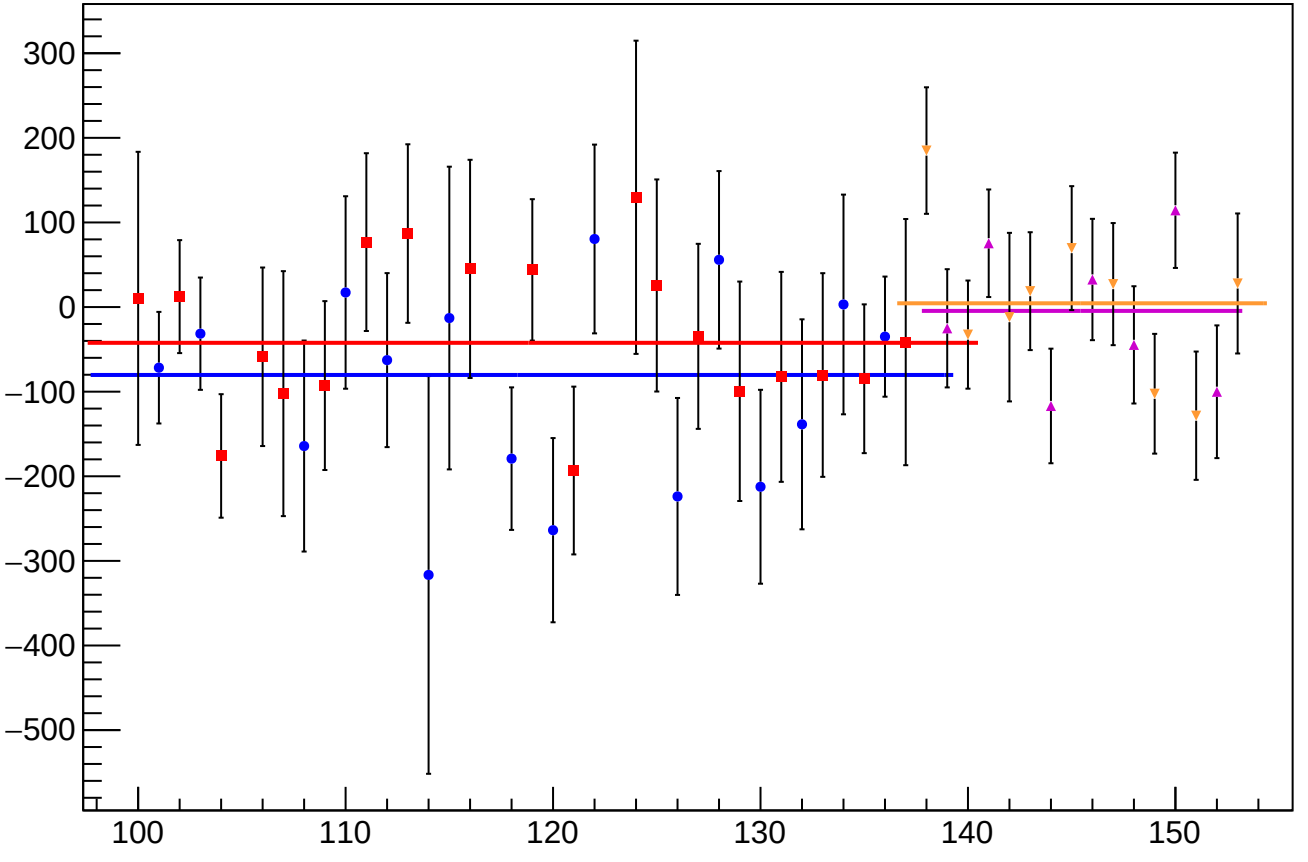
Right: 938.577+/-0.174 χ^2/NDF: 487235.0/34

In: 984.575+/-0.193 χ^2/NDF:526431.1/22

Out: 984.797+/-0.185 χ^2/NDF:631852.9/27

All: 984.690+/-0.133 χ^2/NDF: 1158284.6/50

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 4.457+/-24.778 χ^2/NDF:12.6/8

Right Out: -42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: -4.531+/-26.252 χ^2/NDF:9.6/6

Left: 0.223+/-18.020 χ^2/NDF: 22.2/15

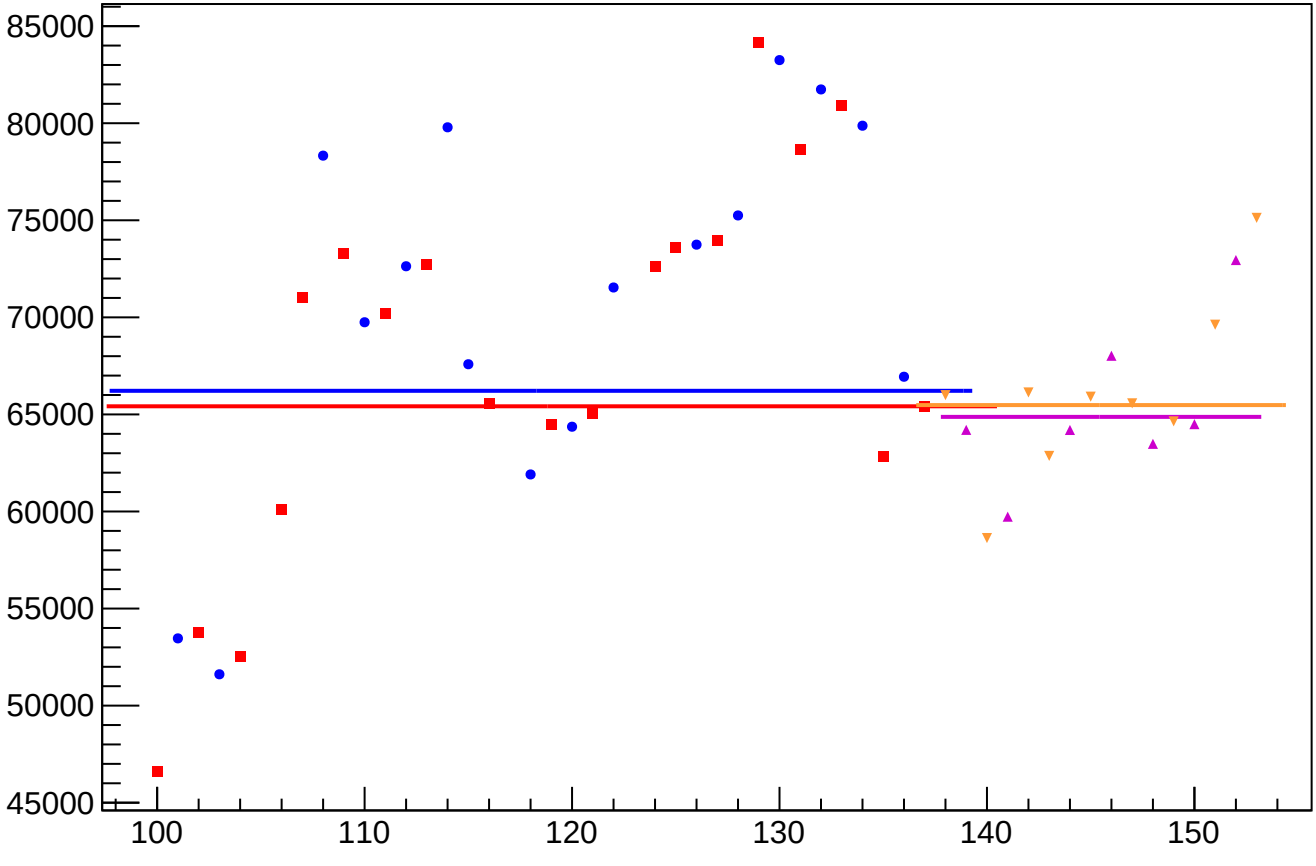
Right: -60.665+/-17.337 χ^2/NDF: 29.0/34

In: -44.377+/-18.070 χ^2/NDF:28.7/22

Out: -19.508+/-17.292 χ^2/NDF:27.4/27

All: -31.397+/-12.493 χ^2/NDF: 57.1/50

diff_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 65481.091+/-17.521 χ^2/NDF:59463.0/8

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

Left In: 64873.556+/-18.563 χ^2/NDF:39394.7/6

Left: 65194.858+/-12.742 χ^2/NDF: 99424.1/15

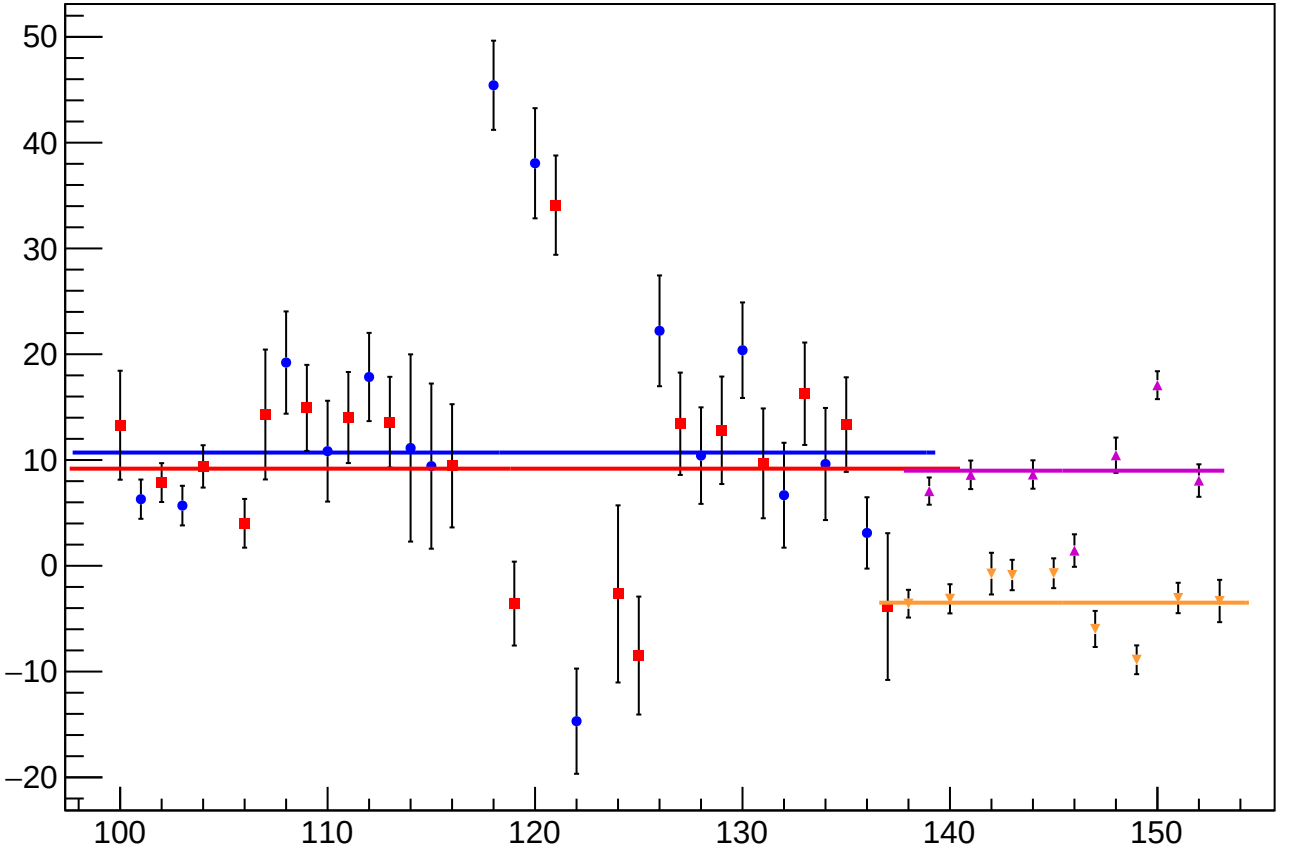
Right: 65804.895+/-12.259 χ^2/NDF: 643990.8/34

In: 65580.065+/-12.777 χ^2/NDF:380524.9/22

Out: 65449.000+/-12.228 χ^2/NDF:364025.5/27

All: 65511.653+/-8.834 χ^2/NDF: 744605.2/50

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -3.487+/-0.502 χ^2/NDF:27.2/8

Right Out: 9.182+/-0.850 χ^2/NDF: 69.6/18

Left In: 8.991+/-0.535 χ^2/NDF:65.2/6

Left: 2.349+/-0.366 χ^2/NDF: 381.5/15

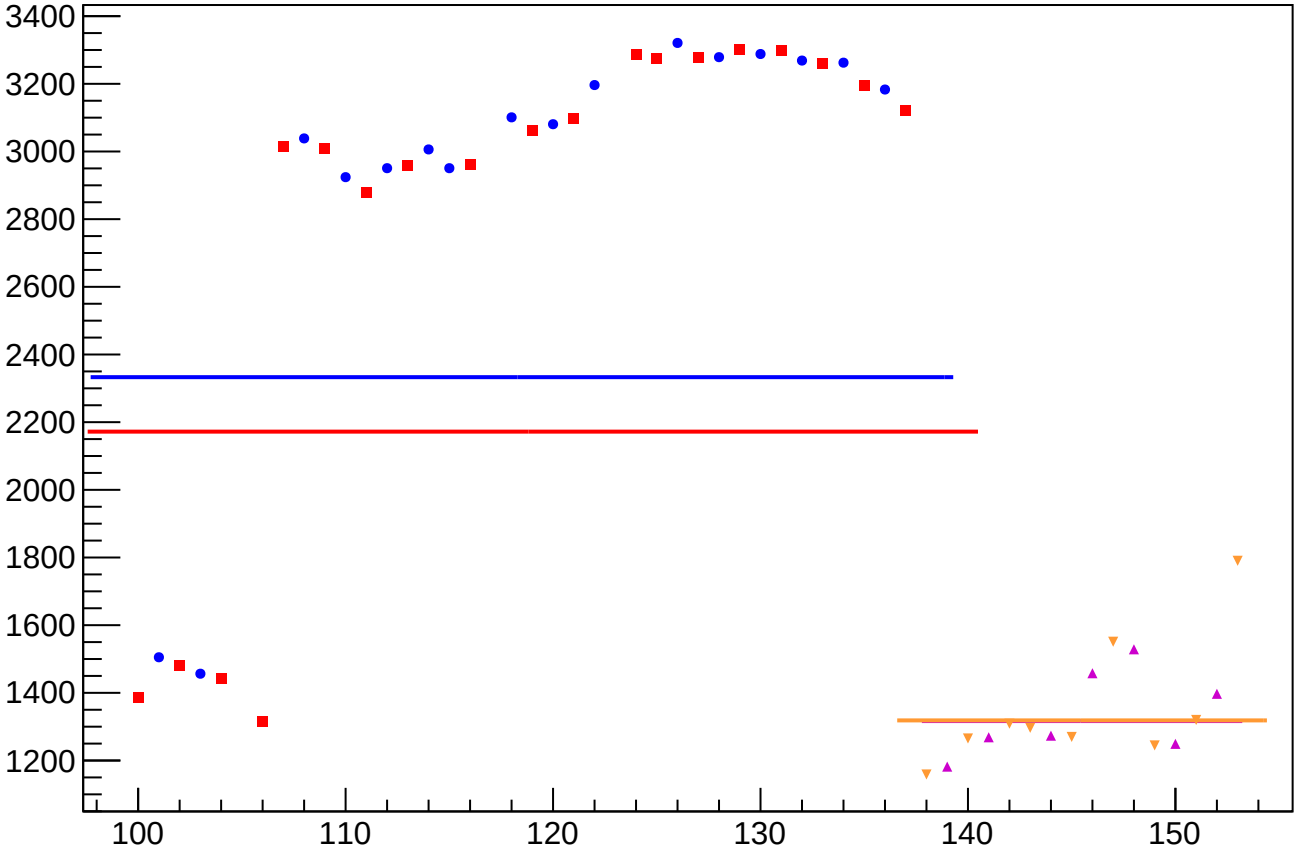
Right: 9.883+/-0.625 χ^2/NDF: 226.6/34

In: 9.424+/-0.463 χ^2/NDF:223.4/22

Out: -0.212+/-0.432 χ^2/NDF:261.4/27

All: 4.277+/-0.316 χ^2/NDF: 716.4/50

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1318.565+/-0.355 χ^2/NDF:189988.9/8

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

Left In: 1316.597+/-0.379 χ^2/NDF:86444.5/6

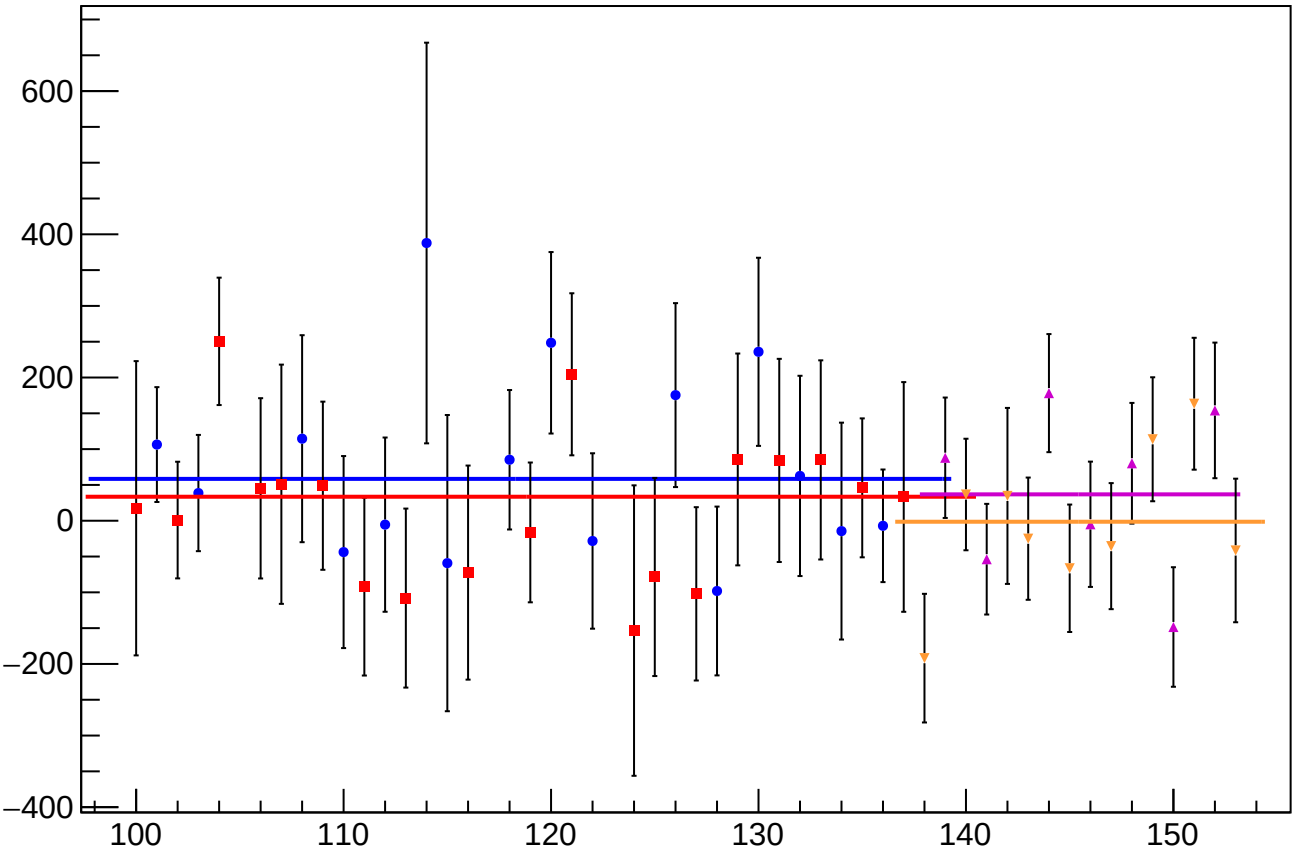
Left: 1317.645+/-0.259 χ^2/NDF: 276447.8/15

Right: 2246.139+/-0.442 χ^2/NDF: 3668614.7/34

In: 1573.517+/-0.327 χ^2/NDF:3559817.0/22

Out: 1539.169+/-0.306 χ^2/NDF:3668915.9/27

All: 1555.170+/-0.223 χ^2/NDF: 7234617.1/50



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -1.399+/-30.171 χ^2/NDF:10.7/8

Right Out: 33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: 36.839+/-31.904 χ^2/NDF:11.6/6

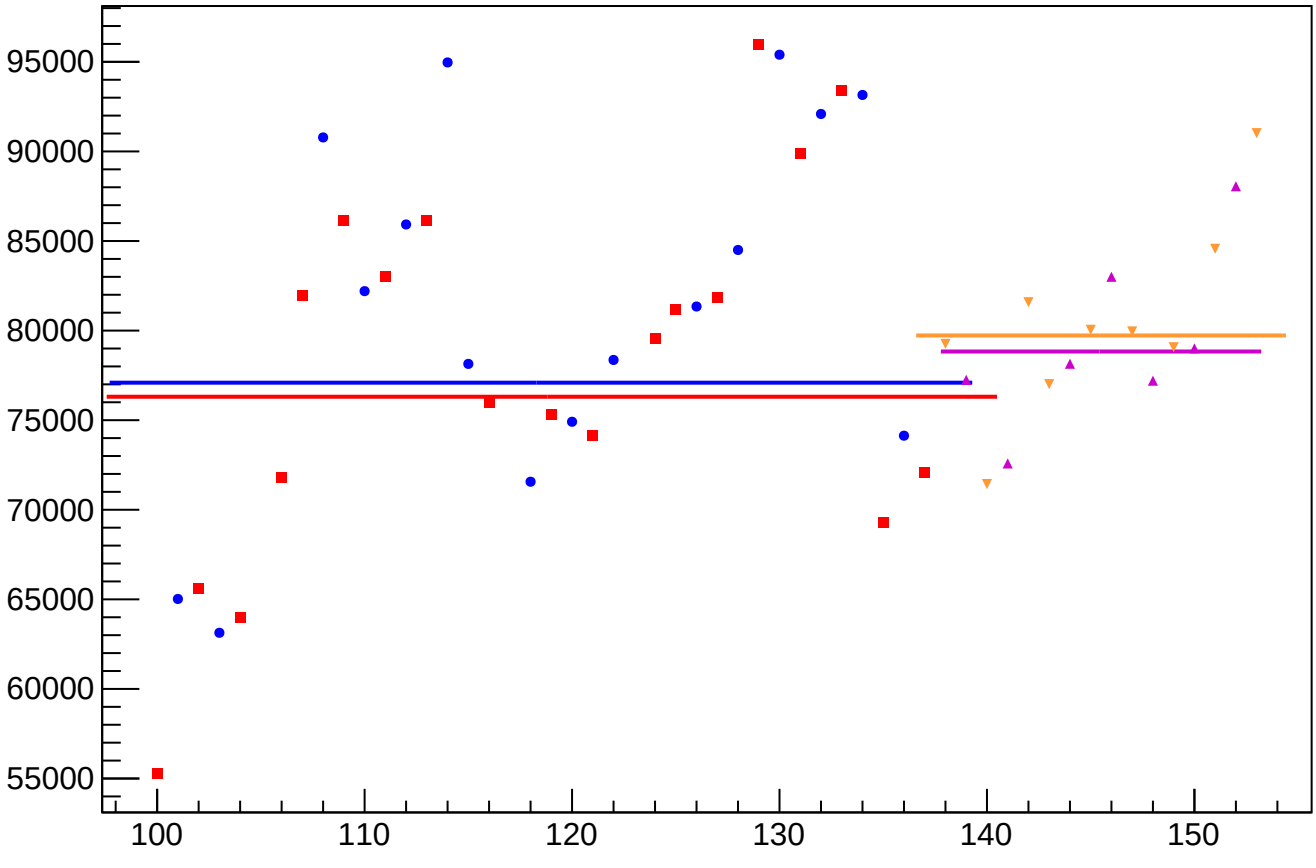
Left: 16.653+/-21.921 χ^2/NDF: 23.1/15

Right: 45.628+/-20.155 χ^2/NDF: 26.4/34

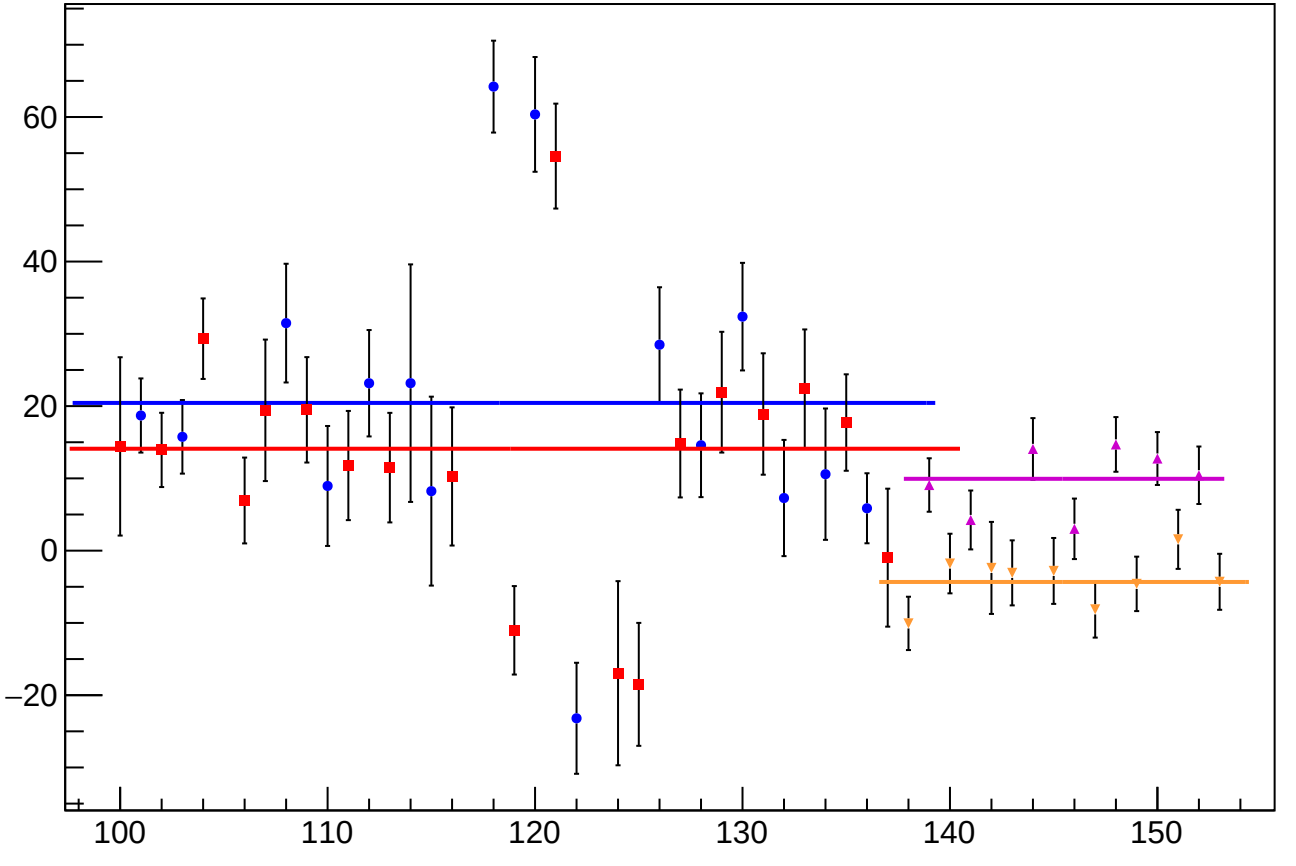
In: 48.701+/-21.426 χ^2/NDF:23.2/22

Out: 17.297+/-20.565 χ^2/NDF:26.1/27

All: 32.355+/-14.837 χ^2/NDF: 50.4/50


diff_bpm0r05X_rms vs Slug, Sign Corrected
95000
90000
85000
80000
75000
70000
65000
60000
55000
100
110
120
130
140
150
Right In: 77093.125+/-20.448 χ²/NDF: 248542.7/15
Left Out: 79728.067+/-21.334 χ²/NDF:56251.9/8
Right Out: 76308.708+/-19.874 χ²/NDF: 234433.2/18
Left In: 78832.882+/-22.560 χ²/NDF:38200.8/6
Left: 79305.458+/-15.501 χ²/NDF: 95283.9/15
Right: 76689.749+/-14.251 χ²/NDF: 483732.7/34
In: 77877.772+/-15.151 χ²/NDF:290008.5/22
Out: 77897.370+/-14.542 χ²/NDF:304438.8/27
All: 77887.973+/-10.491 χ²/NDF: 594448.1/5

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -4.332+/-1.391 χ^2/NDF:6.1/8

Right Out: 14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: 9.940+/-1.485 χ^2/NDF:7.9/6

Left: 2.336+/-1.015 χ^2/NDF: 63.2/15

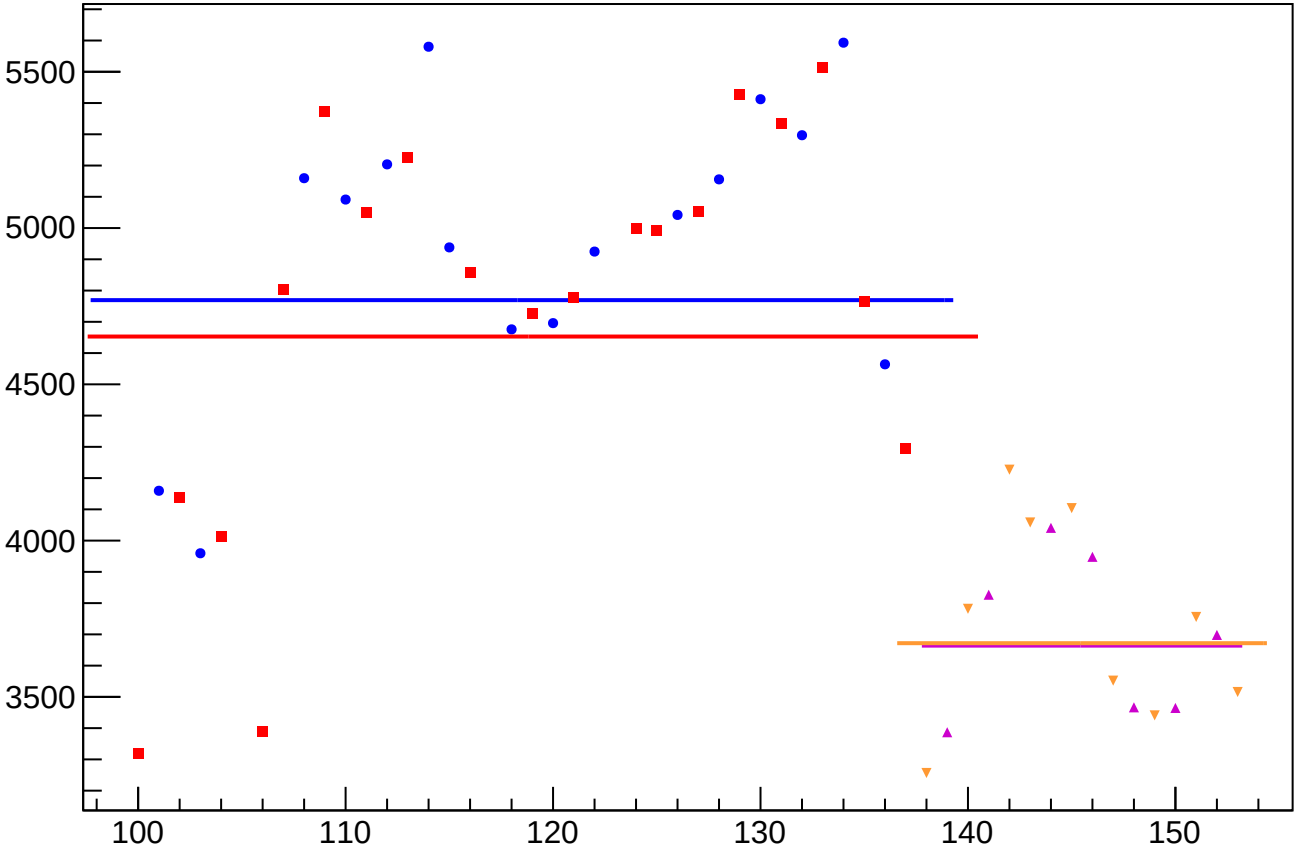
Right: 17.148+/-1.235 χ^2/NDF: 218.2/34

In: 14.246+/-1.141 χ^2/NDF:156.2/22

Out: 2.990+/-1.080 χ^2/NDF:159.6/27

All: 8.309+/-0.784 χ^2/NDF: 367.1/50

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3671.828+/-0.984 χ^2/NDF:88147.6/8

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

Left In: 3664.026+/-1.050 χ^2/NDF:50795.0/6

Left: 3668.183+/-0.718 χ^2/NDF: 138972.0/15

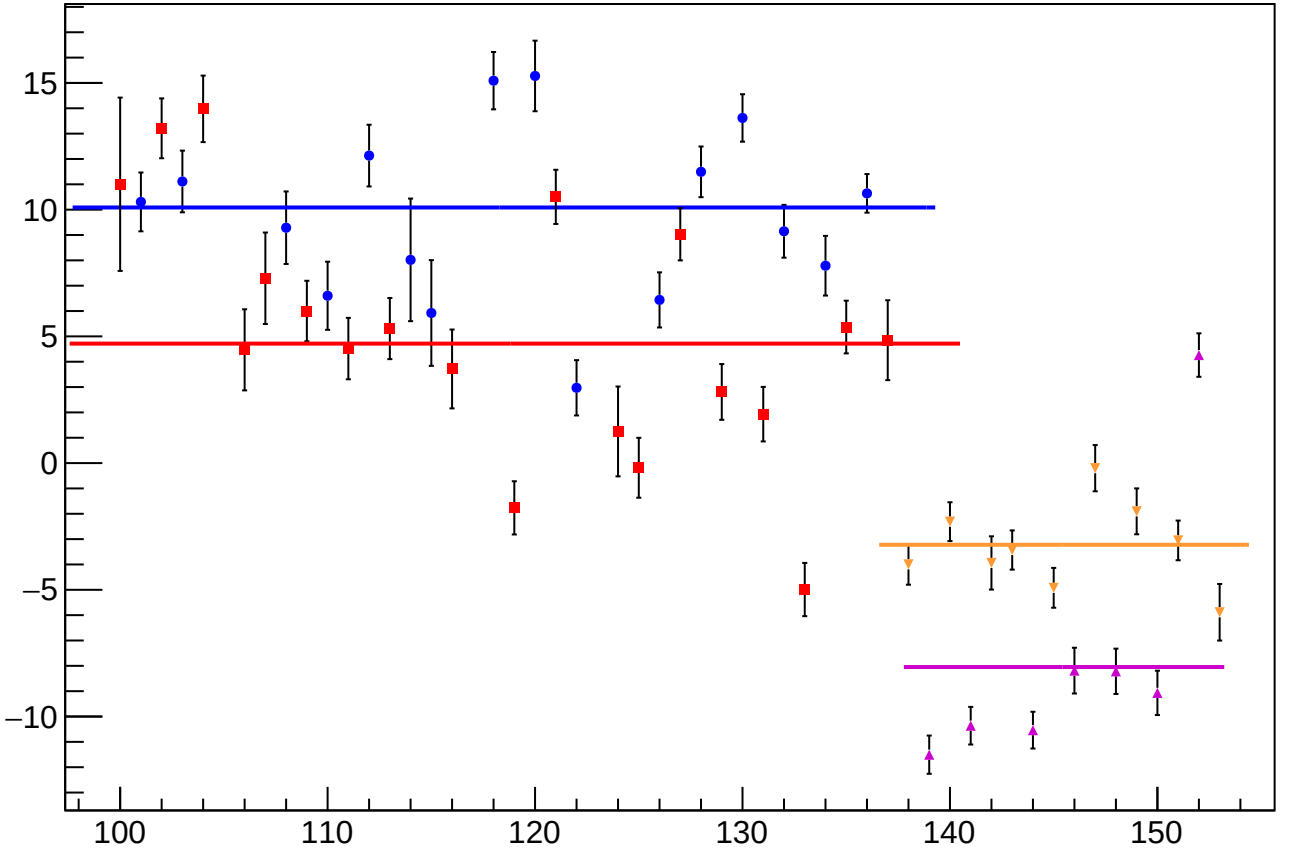
Right: 4708.872+/-0.873 χ^2/NDF: 421232.0/34

In: 4117.210+/-0.807 χ^2/NDF:656509.3/22

Out: 4061.527+/-0.764 χ^2/NDF:748460.4/27

All: 4087.839+/-0.555 χ^2/NDF: 1407482.2/50

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -3.223+/-0.285 χ^2/NDF:26.4/8

Right Out: 4.715+/-0.286 χ^2/NDF: 310.2/18

Left In: -8.047+/-0.307 χ^2/NDF:249.8/6

Left: -5.457+/-0.209 χ^2/NDF: 408.8/15

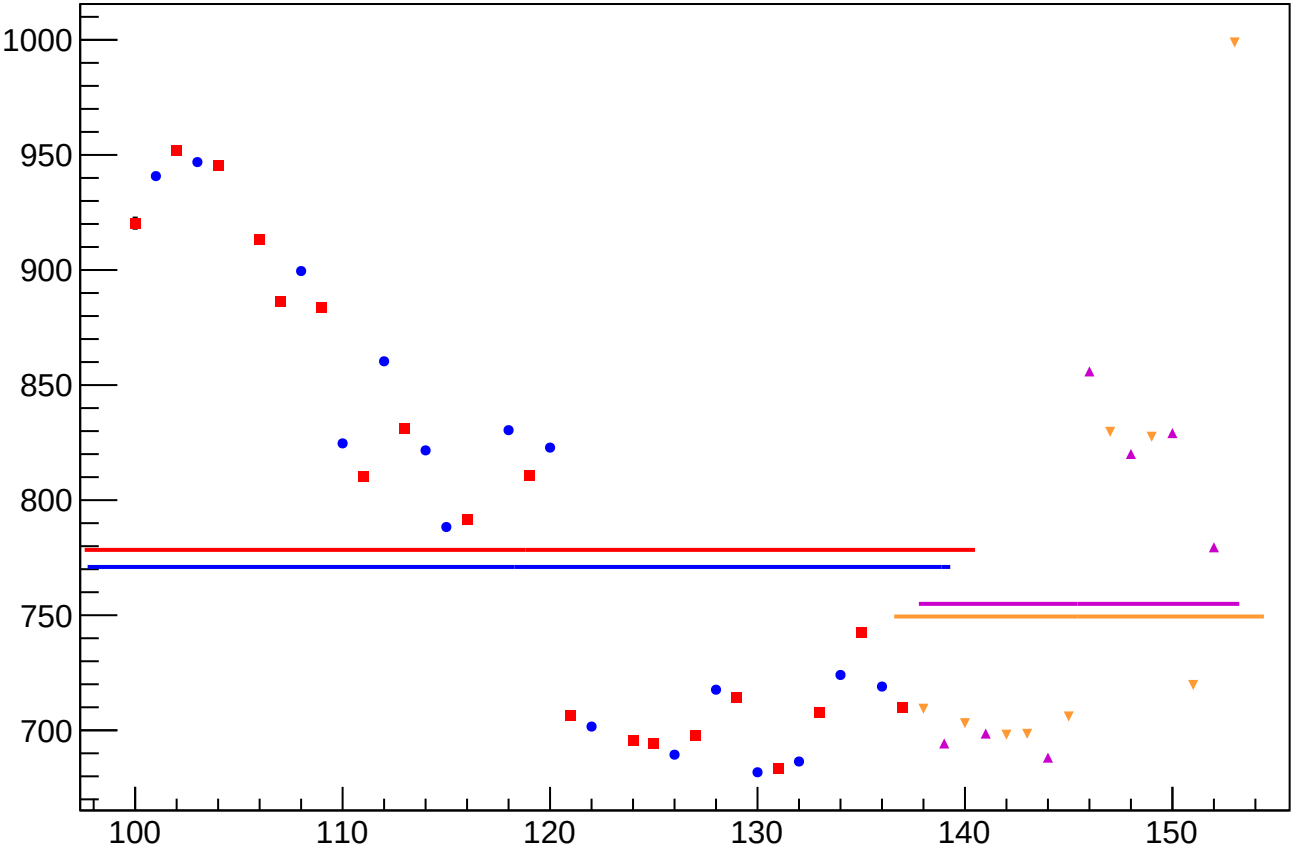
Right: 7.376+/-0.203 χ^2/NDF: 609.2/34

In: 1.585+/-0.210 χ^2/NDF:2227.5/22

Out: 0.736+/-0.202 χ^2/NDF:723.4/27

All: 1.143+/-0.146 χ^2/NDF: 2959.4/50

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 749.449+/-0.202 χ^2/NDF:164924.7/8

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

Left In: 754.937+/-0.217 χ^2/NDF:93097.6/6

Left: 751.991+/-0.148 χ^2/NDF: 258365.6/15

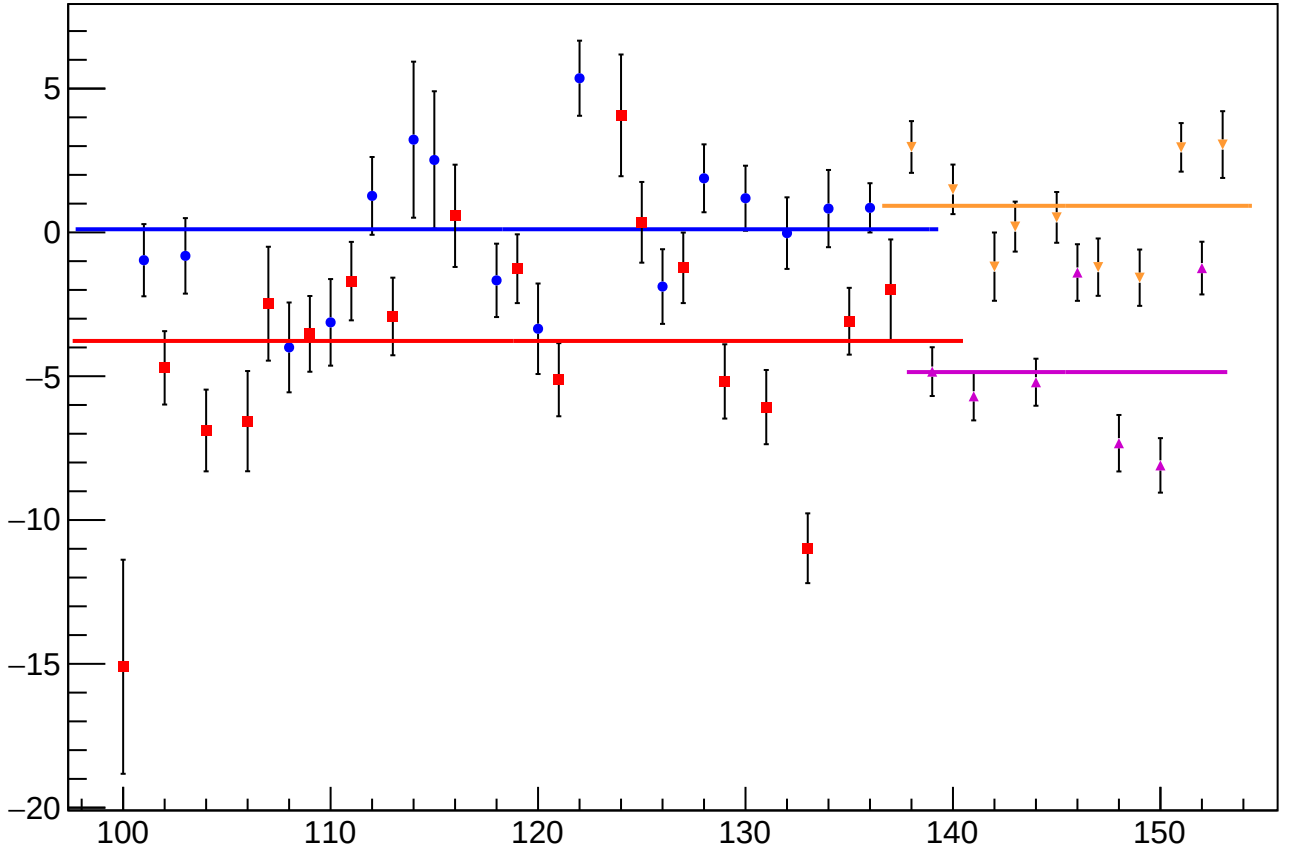
Right: 774.717+/-0.144 χ^2/NDF: 390124.3/34

In: 763.455+/-0.149 χ^2/NDF:288909.1/22

Out: 763.887+/-0.143 χ^2/NDF:371753.5/27

All: 763.680+/-0.103 χ^2/NDF: 660667.0/50

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 0.924+/-0.315 χ^2/NDF:29.9/8

Right Out: -3.774+/-0.326 χ^2/NDF: 99.6/18

Left In: -4.856+/-0.339 χ^2/NDF:47.2/6

Left: -1.749+/-0.231 χ^2/NDF: 233.1/15

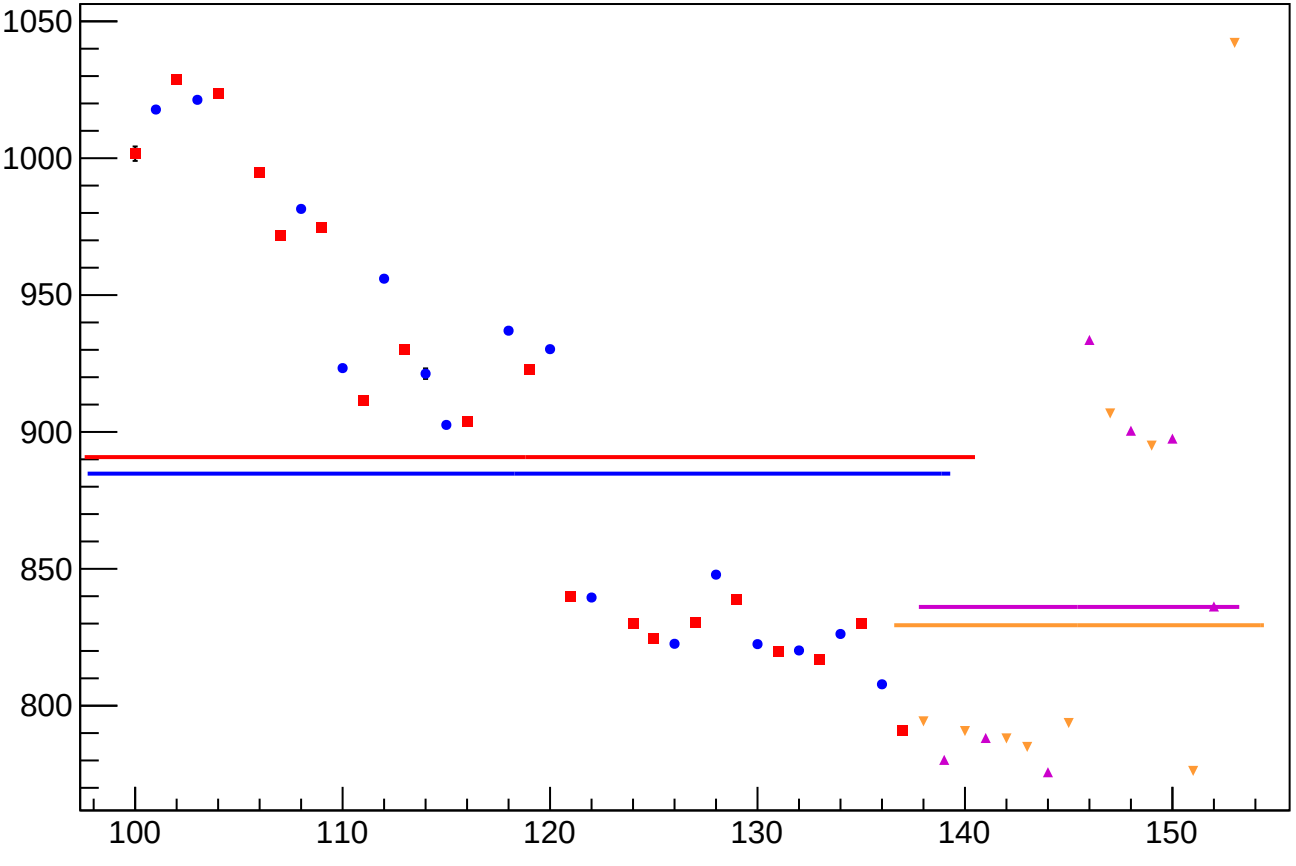
Right: -1.855+/-0.232 χ^2/NDF: 215.0/34

In: -2.304+/-0.237 χ^2/NDF:202.6/22

Out: -1.342+/-0.226 χ^2/NDF:237.0/27

All: -1.802+/-0.164 χ^2/NDF: 448.3/50

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 829.398+/-0.223 χ^2/NDF:114168.0/8

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

Left In: 836.084+/-0.240 χ^2/NDF:62777.2/6

Left: 832.490+/-0.163 χ^2/NDF: 177362.6/15

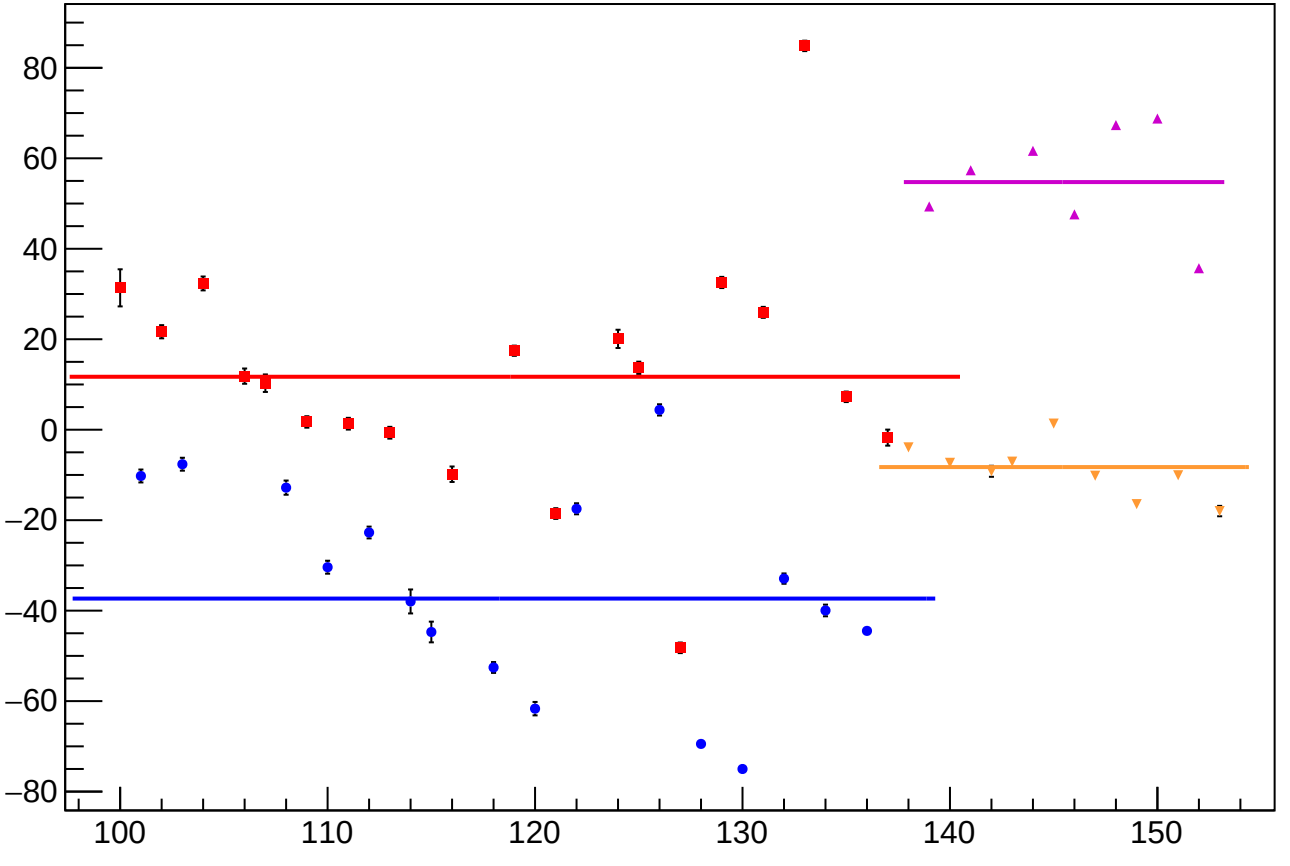
Right: 887.830+/-0.164 χ^2/NDF: 212597.1/34

In: 861.113+/-0.167 χ^2/NDF:188441.0/22

Out: 859.021+/-0.160 χ^2/NDF:258665.9/27

All: 860.022+/-0.116 χ^2/NDF: 447188.4/50

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -8.260+/-0.321 χ^2/NDF:279.6/8

Right Out: 11.706+/-0.318 χ^2/NDF: 8463.6/18

Left In: 54.744+/-0.349 χ^2/NDF:941.9/6

Left: 20.586+/-0.236 χ^2/NDF: 18877.5/15

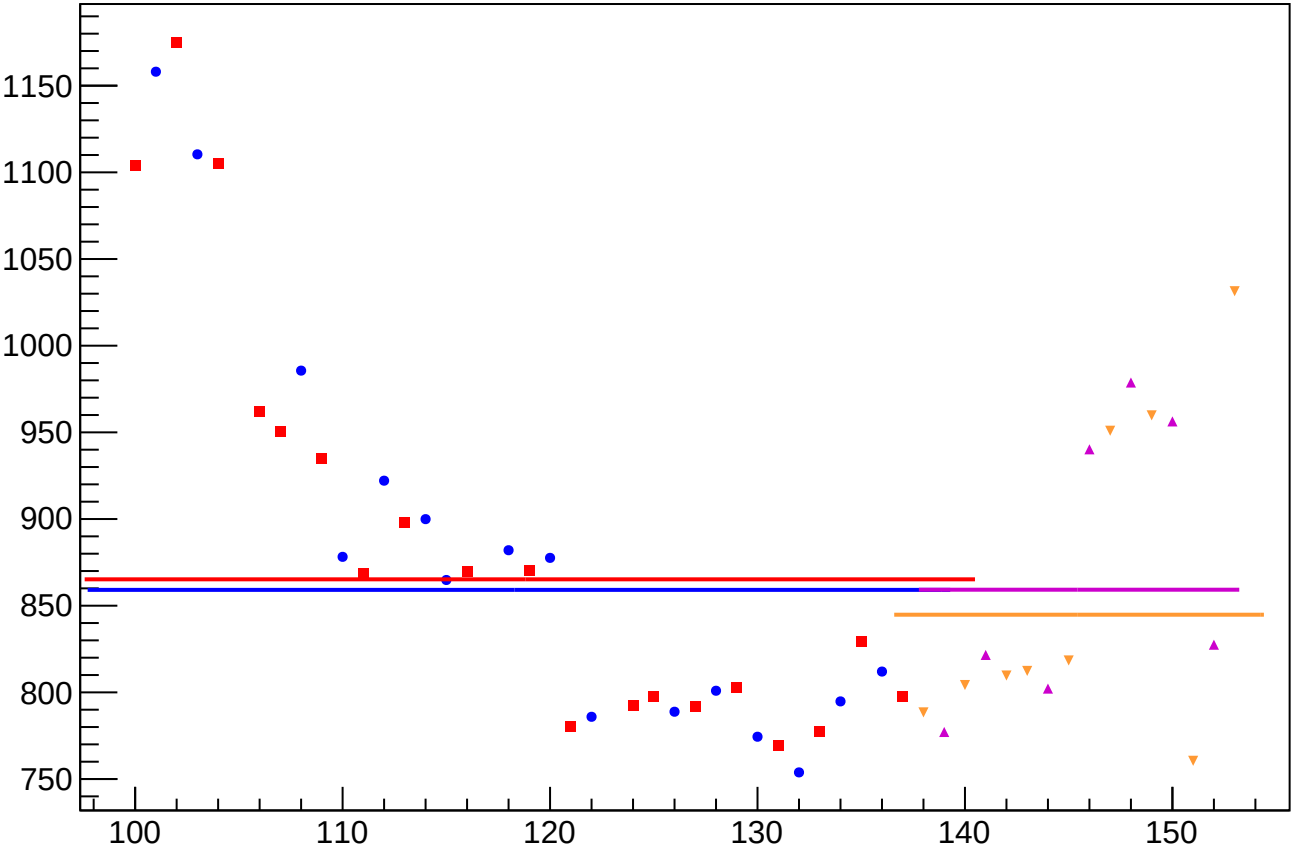
Right: -12.519+/-0.226 χ^2/NDF: 25401.8/34

In: 4.954+/-0.237 χ^2/NDF:43737.4/22

Out: 1.814+/-0.226 χ^2/NDF:10697.4/27

All: 3.311+/-0.163 χ^2/NDF: 54526.9/50

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 844.802+/-0.227 χ^2/NDF:136157.5/8

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

Left In: 859.223+/-0.247 χ^2/NDF:91085.6/6

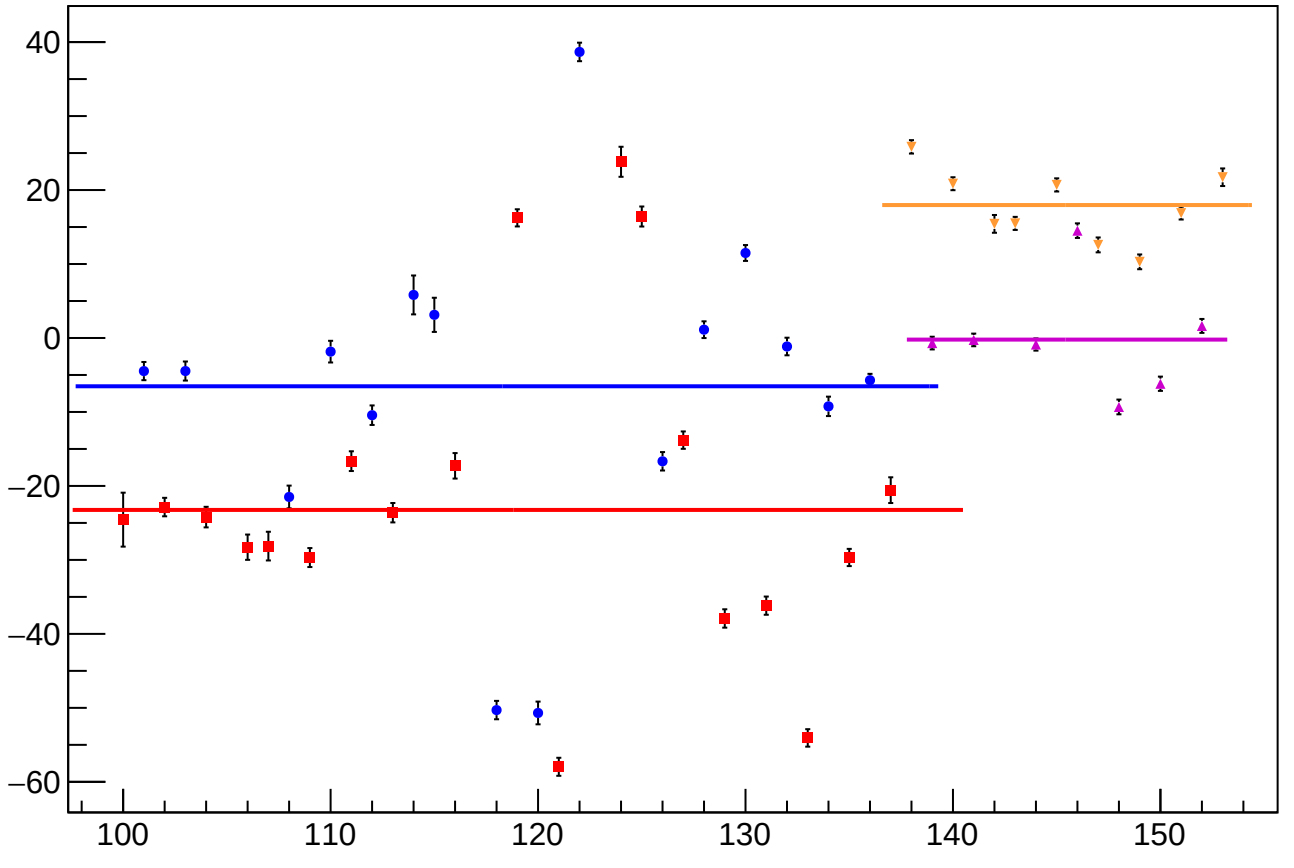
Left: 851.405+/-0.167 χ^2/NDF: 229093.2/15

Right: 862.206+/-0.160 χ^2/NDF: 452741.3/34

In: 859.171+/-0.167 χ^2/NDF:319795.7/22

Out: 855.101+/-0.160 χ^2/NDF:363910.9/27

All: 857.041+/-0.116 χ^2/NDF: 684016.3/50



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 17.971+/-0.320 χ^2/NDF:207.1/8

Right Out: -23.244+/-0.317 χ^2/NDF: 4470.0/18

Left In: -0.218+/-0.345 χ^2/NDF:349.4/6

Left: 9.562+/-0.234 χ^2/NDF: 2054.7/15

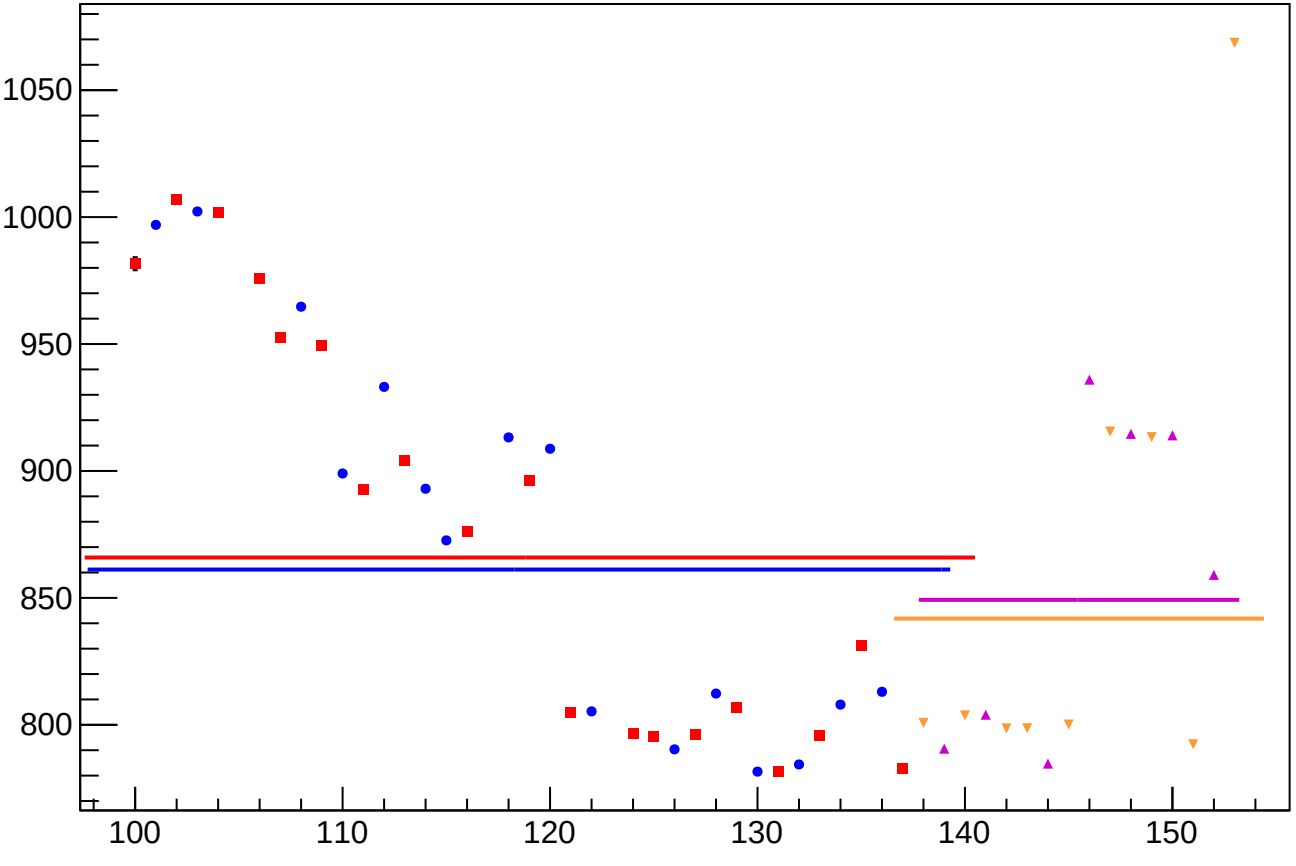
Right: -14.995+/-0.226 χ^2/NDF: 9787.9/34

In: -3.595+/-0.235 χ^2/NDF:4474.9/22

Out: -2.797+/-0.225 χ^2/NDF:13061.8/27

All: -3.179+/-0.163 χ^2/NDF: 17542.8/50

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 841.868+/-0.226 χ^2/NDF:119846.5/8

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

Left In: 849.234+/-0.244 χ^2/NDF:60369.0/6

Left: 845.273+/-0.166 χ^2/NDF: 180706.9/15

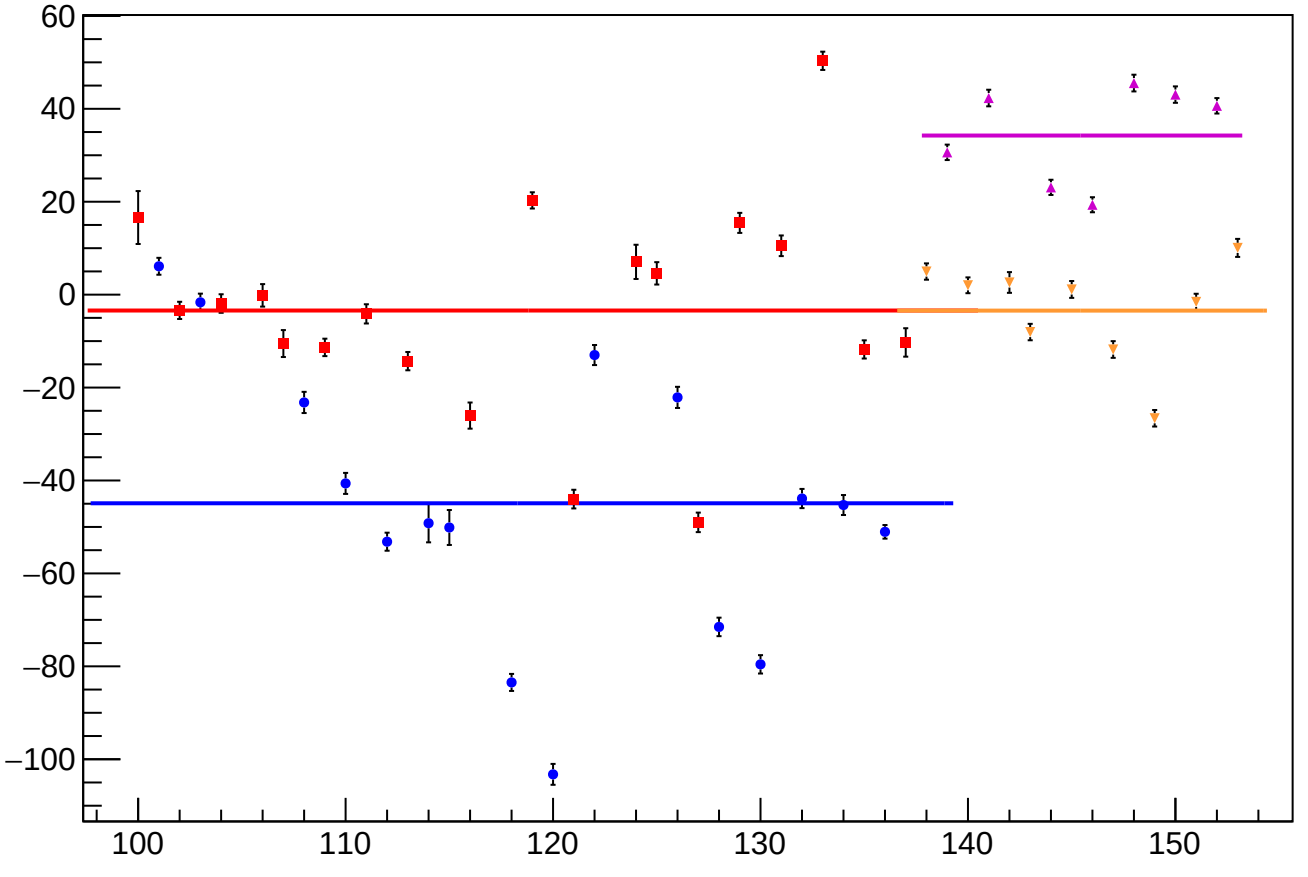
Right: 863.569+/-0.160 χ^2/NDF: 232168.2/34

In: 855.621+/-0.166 χ^2/NDF:175182.7/22

Out: 853.981+/-0.159 χ^2/NDF:243969.8/27

All: 854.765+/-0.115 χ^2/NDF: 419203.2/50

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -3.435+/-0.607 χ^2/NDF:294.8/8

Right Out: -3.416+/-0.509 χ^2/NDF: 2102.1/18

Left In: 34.247+/-0.643 χ^2/NDF:235.1/6

Left: 14.333+/-0.441 χ^2/NDF: 2346.3/15

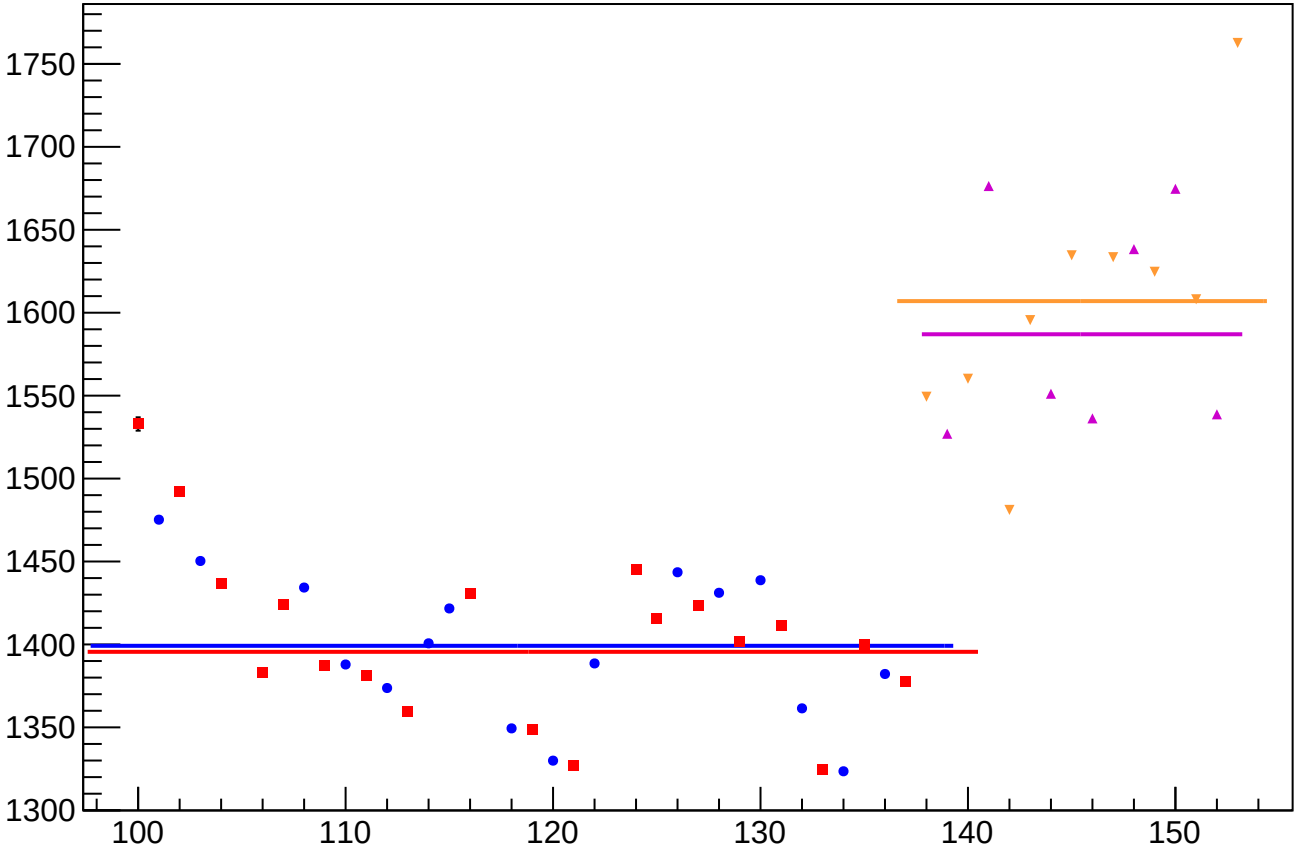
Right: -23.727+/-0.364 χ^2/NDF: 8730.3/34

In: -13.600+/-0.404 χ^2/NDF:12779.9/22

Out: -3.424+/-0.390 χ^2/NDF:2397.0/27

All: -8.331+/-0.281 χ^2/NDF: 15505.0/50

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1607.001+/-0.429 χ^2/NDF:24083.8/8

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

Left In: 1587.006+/-0.454 χ^2/NDF:18767.2/6

Left: 1597.573+/-0.312 χ^2/NDF: 43873.9/15

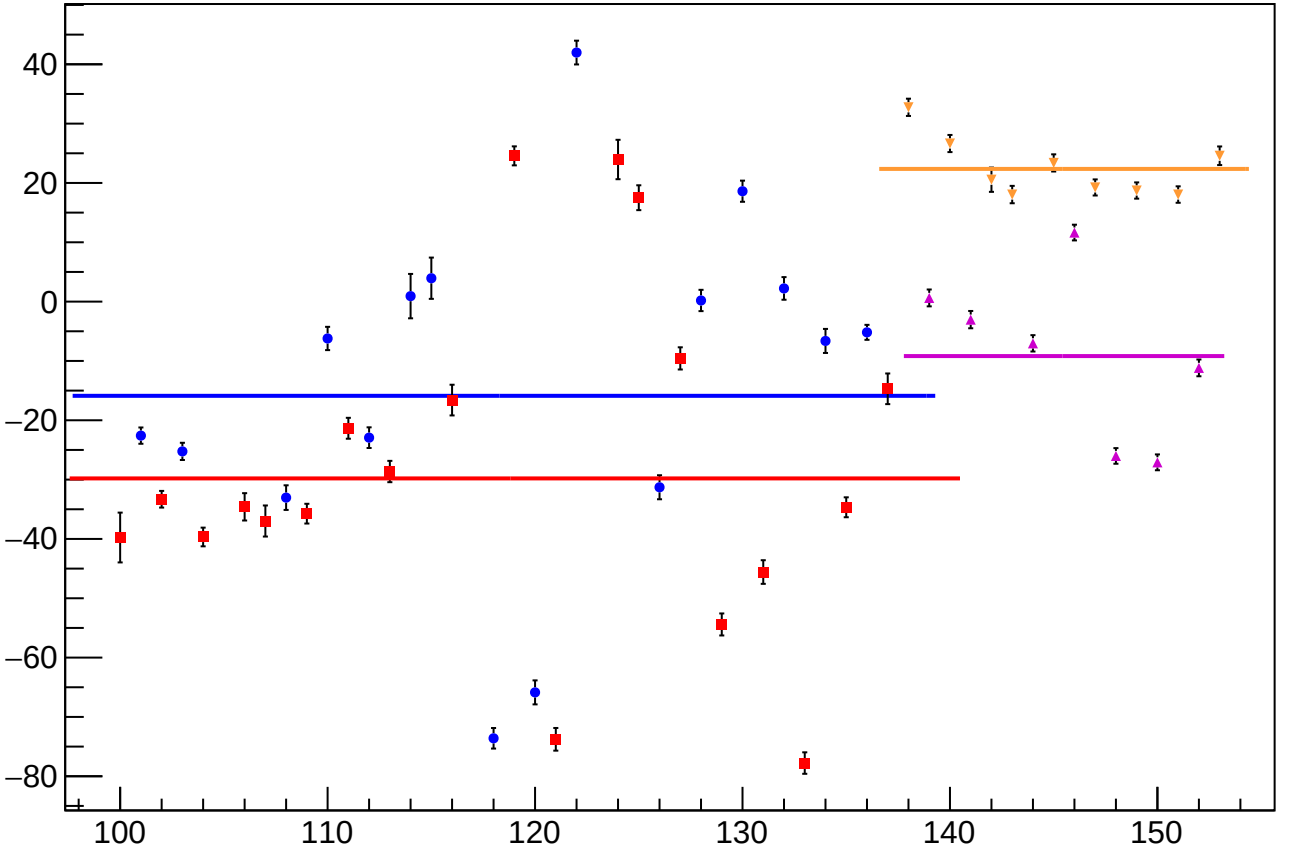
Right: 1397.321+/-0.257 χ^2/NDF: 31134.7/34

In: 1473.461+/-0.286 χ^2/NDF:136862.2/22

Out: 1482.855+/-0.276 χ^2/NDF:182757.2/27

All: 1478.325+/-0.198 χ^2/NDF: 320178.6/50

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 22.366+/-0.492 χ^2/NDF:93.8/8

Right Out: -29.801+/-0.444 χ^2/NDF: 3681.2/18

Left In: -9.180+/-0.520 χ^2/NDF:659.7/6

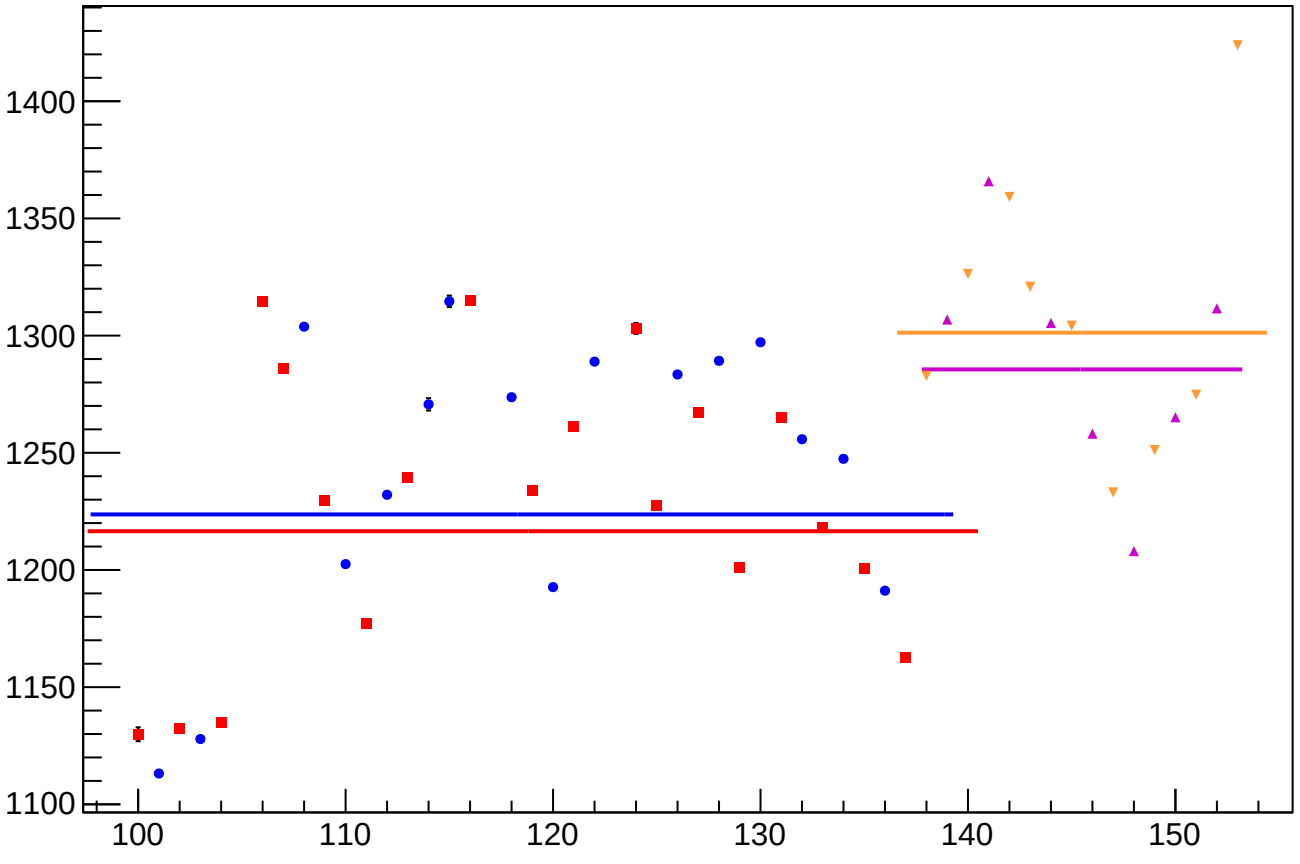
Left: 7.477+/-0.357 χ^2/NDF: 2697.3/15

Right: -23.008+/-0.318 χ^2/NDF: 7638.0/34

In: -12.971+/-0.343 χ^2/NDF:4231.4/22

Out: -6.341+/-0.330 χ^2/NDF:9972.8/27

All: -9.530+/-0.238 χ^2/NDF: 14398.7/50



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1301.248+/-0.348 χ^2/NDF:23579.1/8

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

Left In: 1285.582+/-0.368 χ^2/NDF:15853.9/6

Left: 1293.854+/-0.253 χ^2/NDF: 40391.8/15

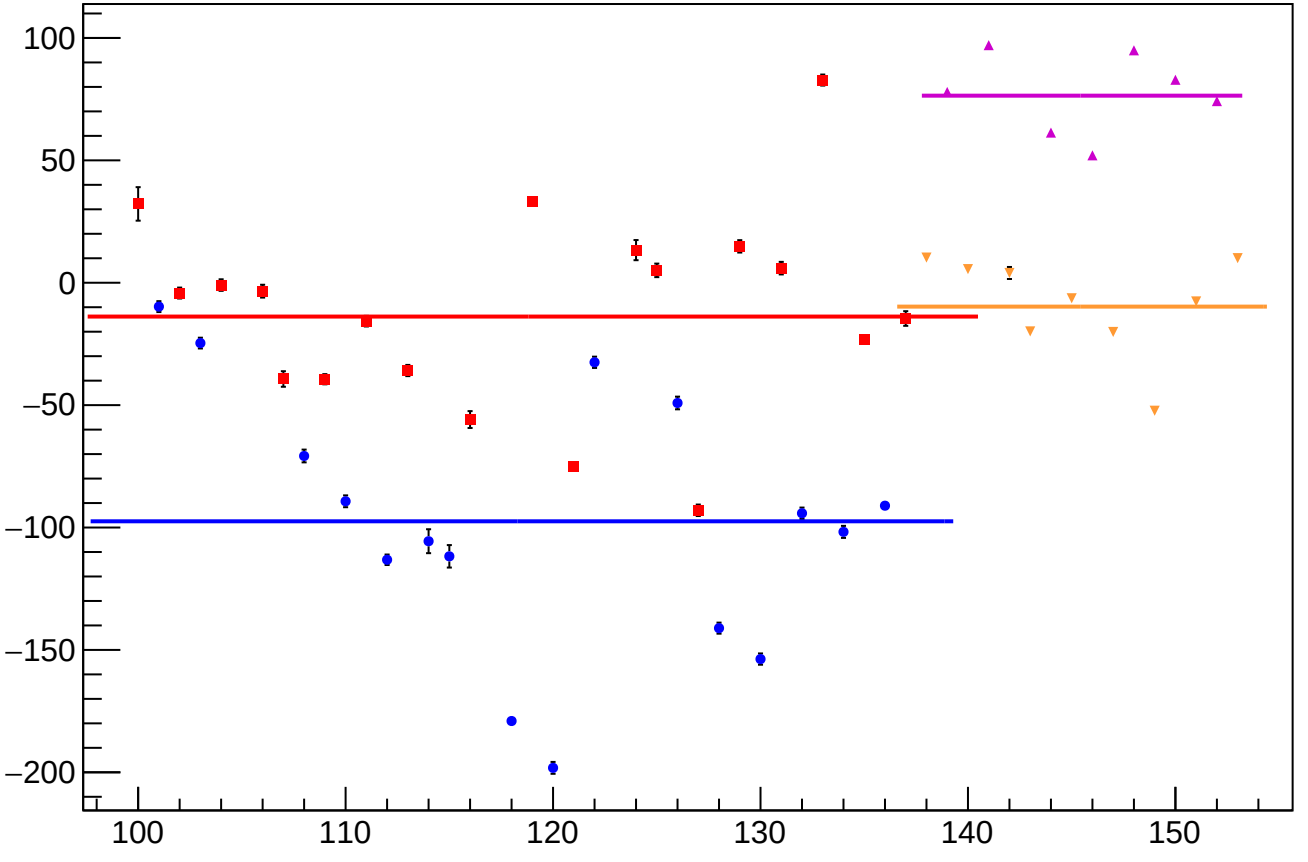
Right: 1220.031+/-0.225 χ^2/NDF: 70518.8/34

In: 1250.555+/-0.242 χ^2/NDF:72773.4/22

Out: 1254.629+/-0.233 χ^2/NDF:85649.1/27

All: 1252.670+/-0.168 χ^2/NDF: 158569.4/50

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -9.750+/-0.622 χ^2/NDF:957.9/8

Right Out: -13.816+/-0.566 χ^2/NDF: 5352.2/18

Left In: 76.426+/-0.660 χ^2/NDF:550.8/6

Left: 30.793+/-0.453 χ^2/NDF: 10533.3/15

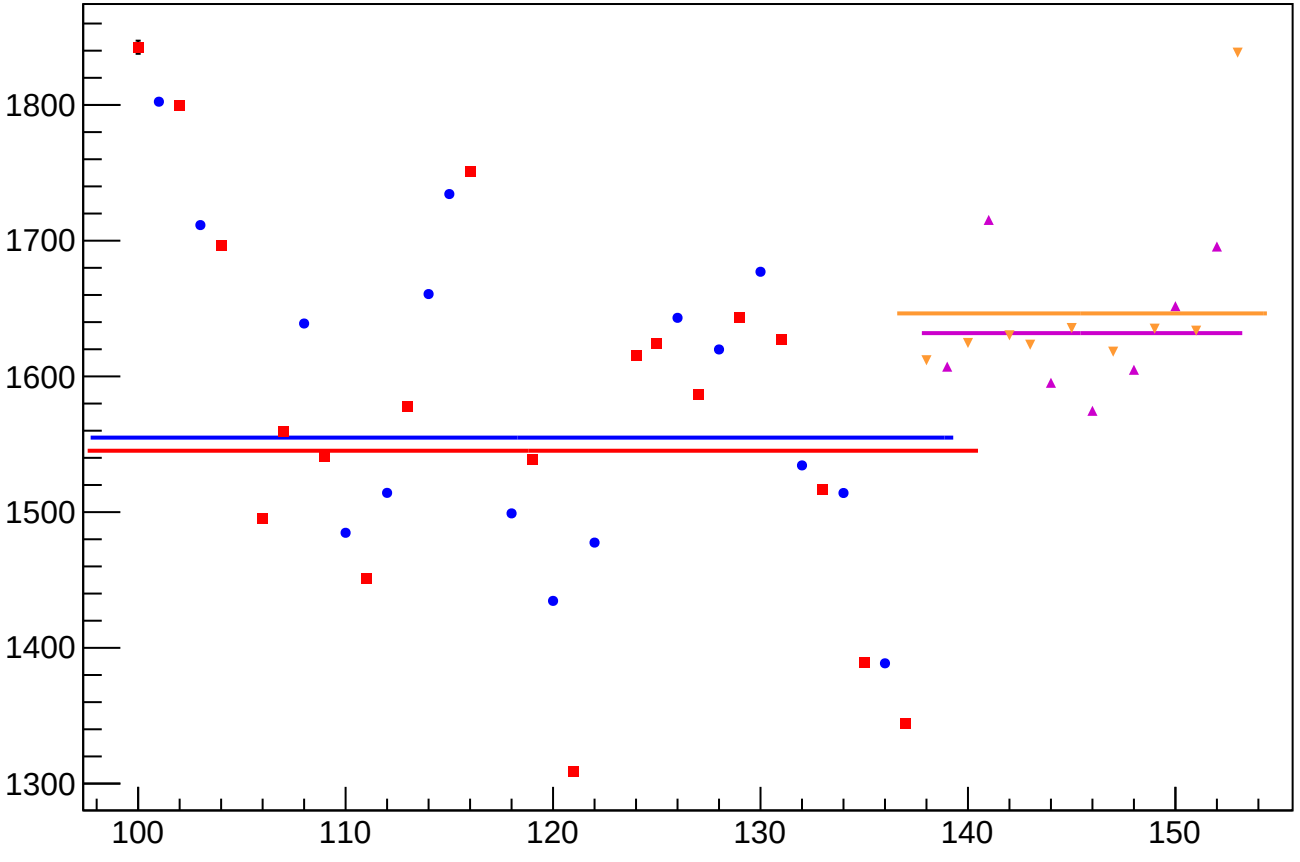
Right: -54.632+/-0.405 χ^2/NDF: 24320.8/34

In: -21.786+/-0.435 χ^2/NDF:48041.5/22

Out: -11.976+/-0.419 χ^2/NDF:6333.4/27

All: -16.687+/-0.302 χ^2/NDF: 54638.8/50

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1646.416+/-0.440 χ^2/NDF:20162.7/8

Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

Left In: 1631.890+/-0.467 χ^2/NDF:11046.1/6

Left: 1639.582+/-0.320 χ^2/NDF: 31721.6/15

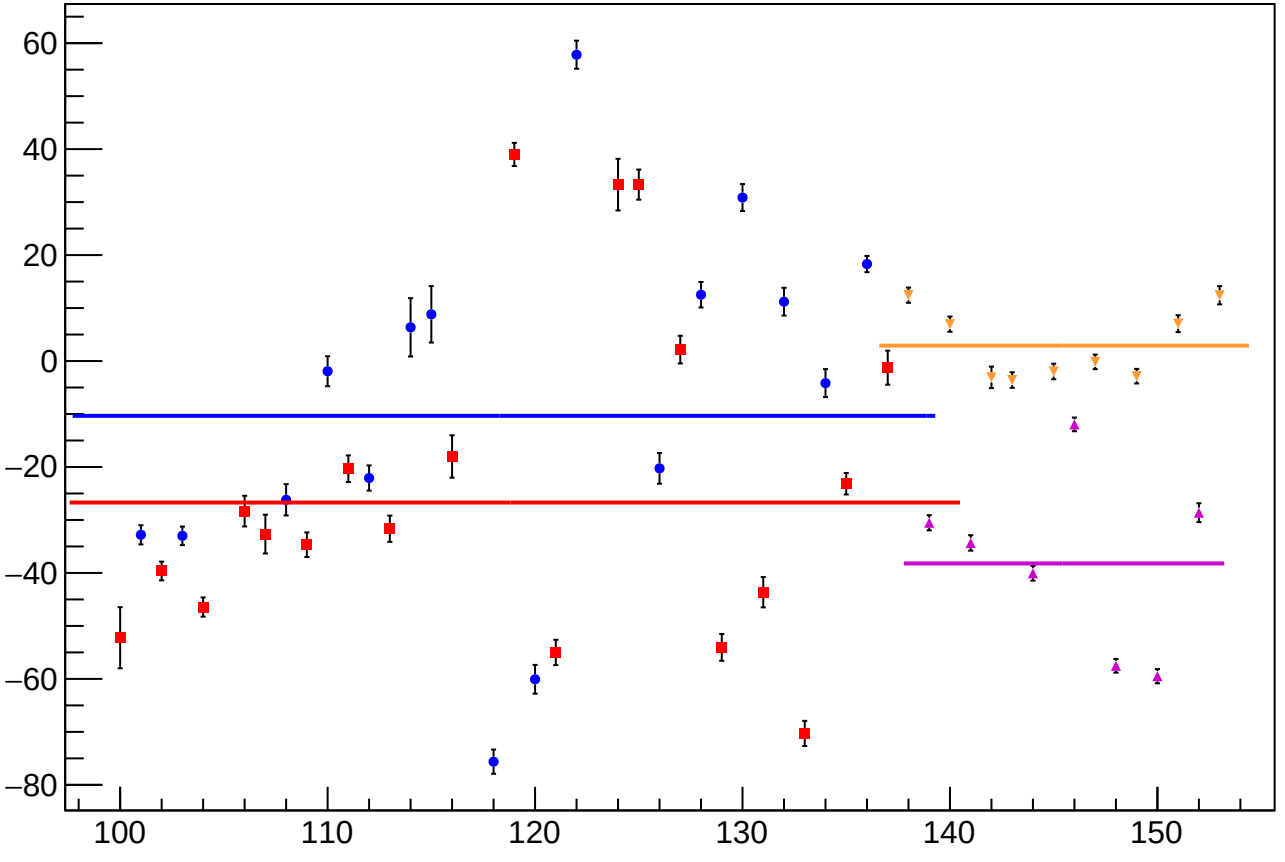
Right: 1549.957+/-0.286 χ^2/NDF: 196994.7/34

In: 1588.409+/-0.308 χ^2/NDF:114329.4/22

Out: 1591.022+/-0.296 χ^2/NDF:157905.1/27

All: 1589.767+/-0.213 χ^2/NDF: 272271.9/50

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 2.912+/-0.505 χ^2/NDF:150.5/8

Right Out: -26.709+/-0.586 χ^2/NDF: 2540.7/18

Left In: -38.208+/-0.532 χ^2/NDF:951.0/6

Left: -16.571+/-0.366 χ^2/NDF: 4244.3/15

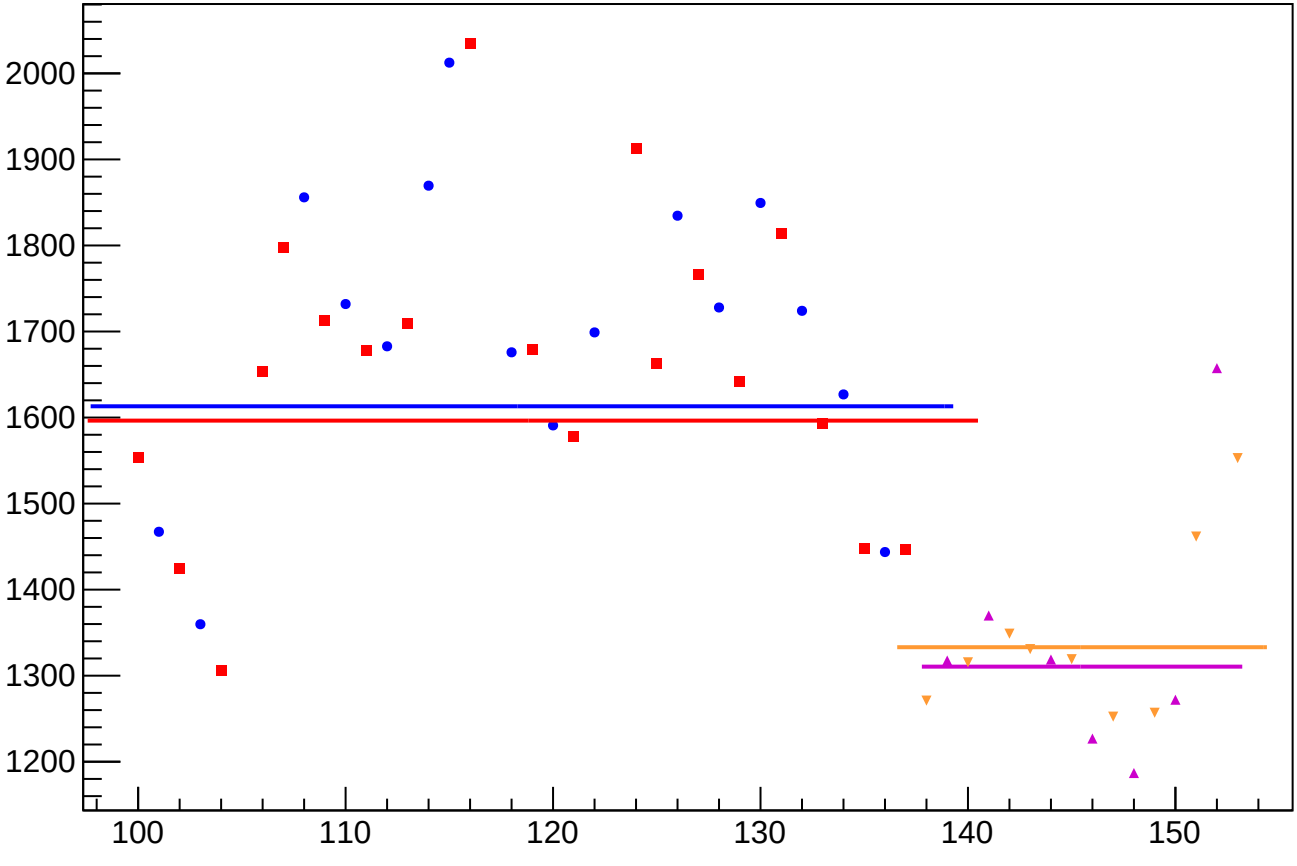
Right: -18.758+/-0.420 χ^2/NDF: 5926.2/34

In: -26.014+/-0.399 χ^2/NDF:5158.2/22

Out: -9.700+/-0.383 χ^2/NDF:4156.7/27

All: -17.515+/-0.276 χ^2/NDF: 10185.9/50

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1333.084+/-0.357 χ^2/NDF:62976.7/8

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

Left In: 1310.501+/-0.376 χ^2/NDF:107353.8/6

Left: 1322.383+/-0.259 χ^2/NDF: 172226.3/15

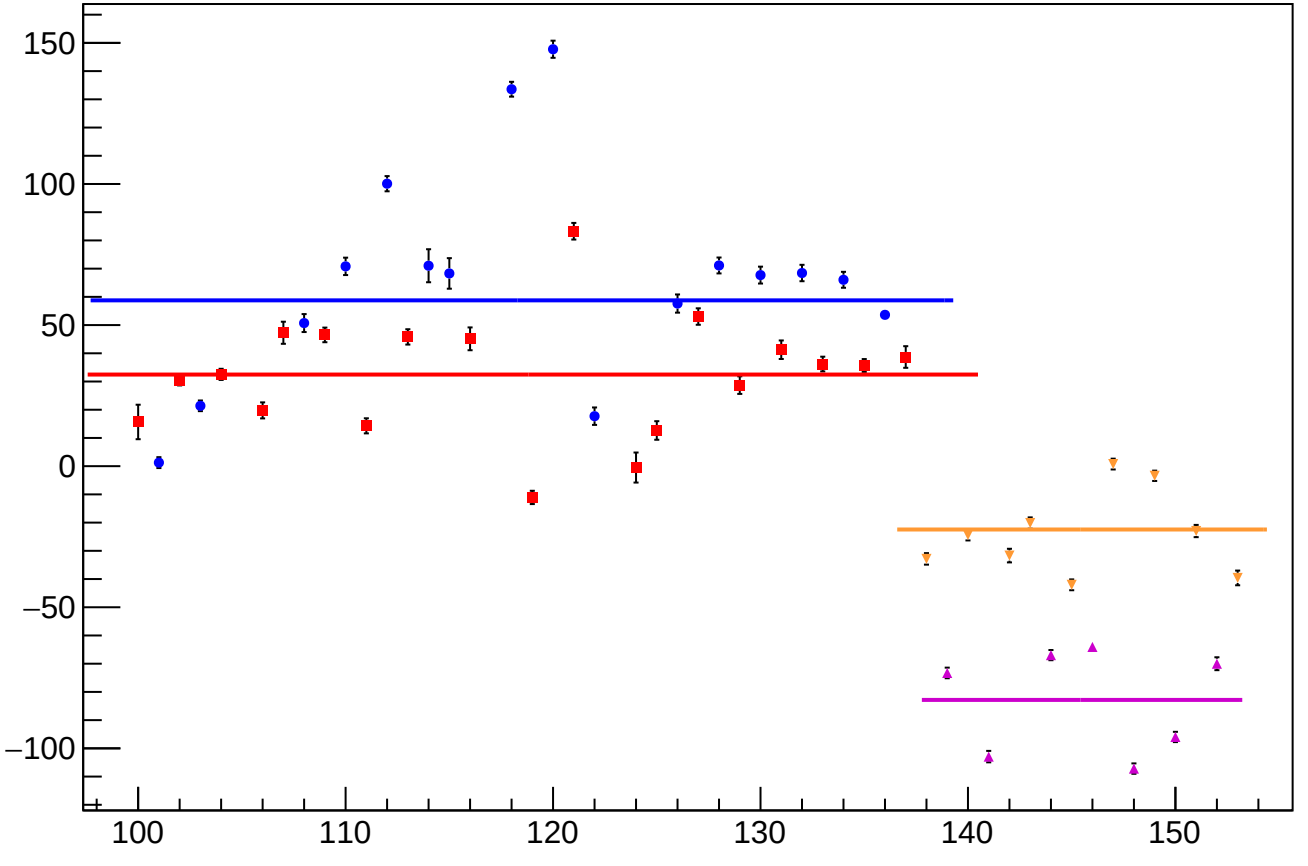
Right: 1604.533+/-0.297 χ^2/NDF: 316209.2/34

In: 1442.929+/-0.282 χ^2/NDF:545158.8/22

Out: 1445.214+/-0.271 χ^2/NDF:455369.4/27

All: 1444.119+/-0.195 χ^2/NDF: 1000562.3/50

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -22.443+/-0.684 χ^2/NDF:445.5/8

Right Out: 32.467+/-0.648 χ^2/NDF: 930.8/18

Left In: -82.835+/-0.718 χ^2/NDF:571.4/6

Left: -51.167+/-0.495 χ^2/NDF: 4722.0/15

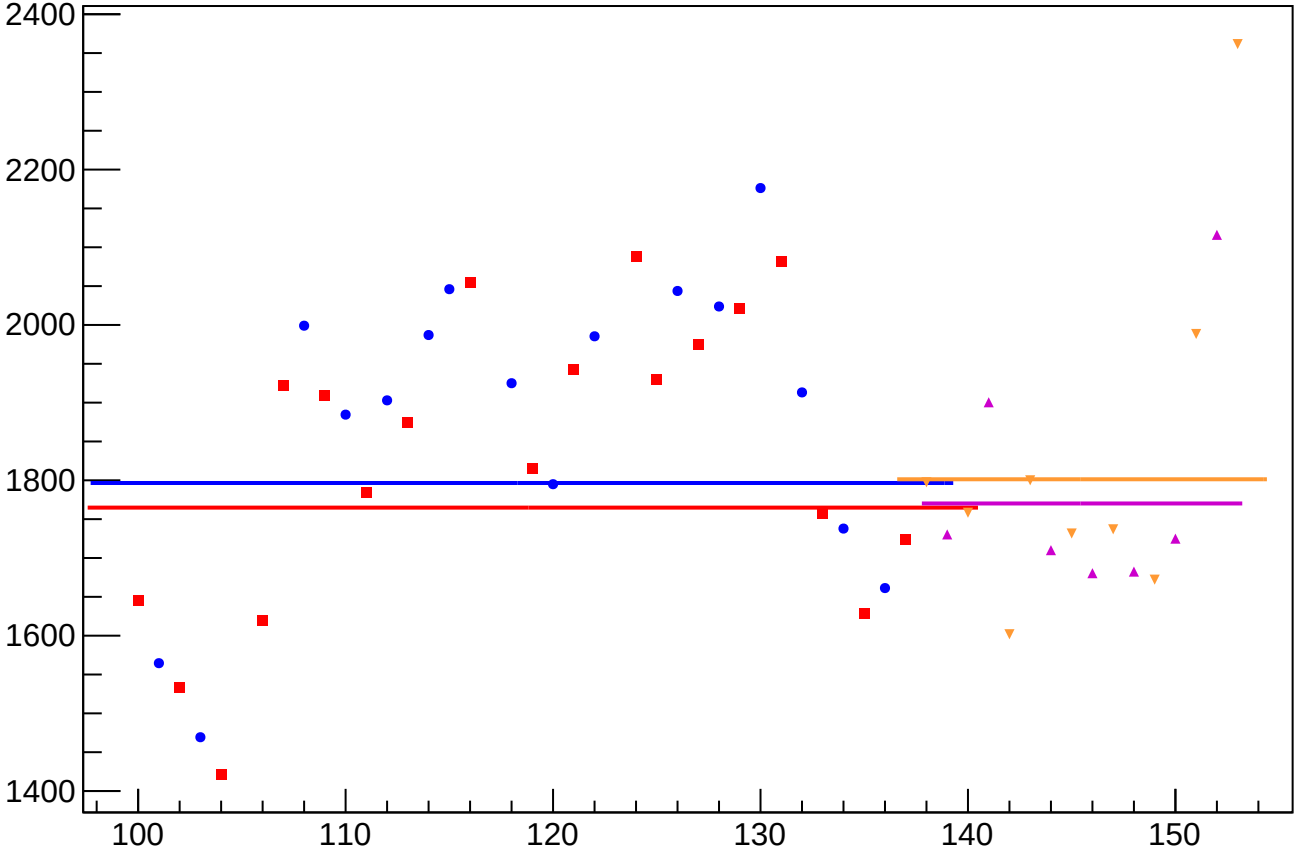
Right: 45.136+/-0.467 χ^2/NDF: 5166.5/34

In: -7.359+/-0.491 χ^2/NDF:24719.1/22

Out: 6.486+/-0.471 χ^2/NDF:4769.1/27

All: -0.144+/-0.340 χ^2/NDF: 29902.5/50

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 1801.337+/-0.484 χ^2/NDF:136883.8/8

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

Left In: 1770.191+/-0.508 χ^2/NDF:67996.5/6

Left: 1786.523+/-0.350 χ^2/NDF: 206851.3/15

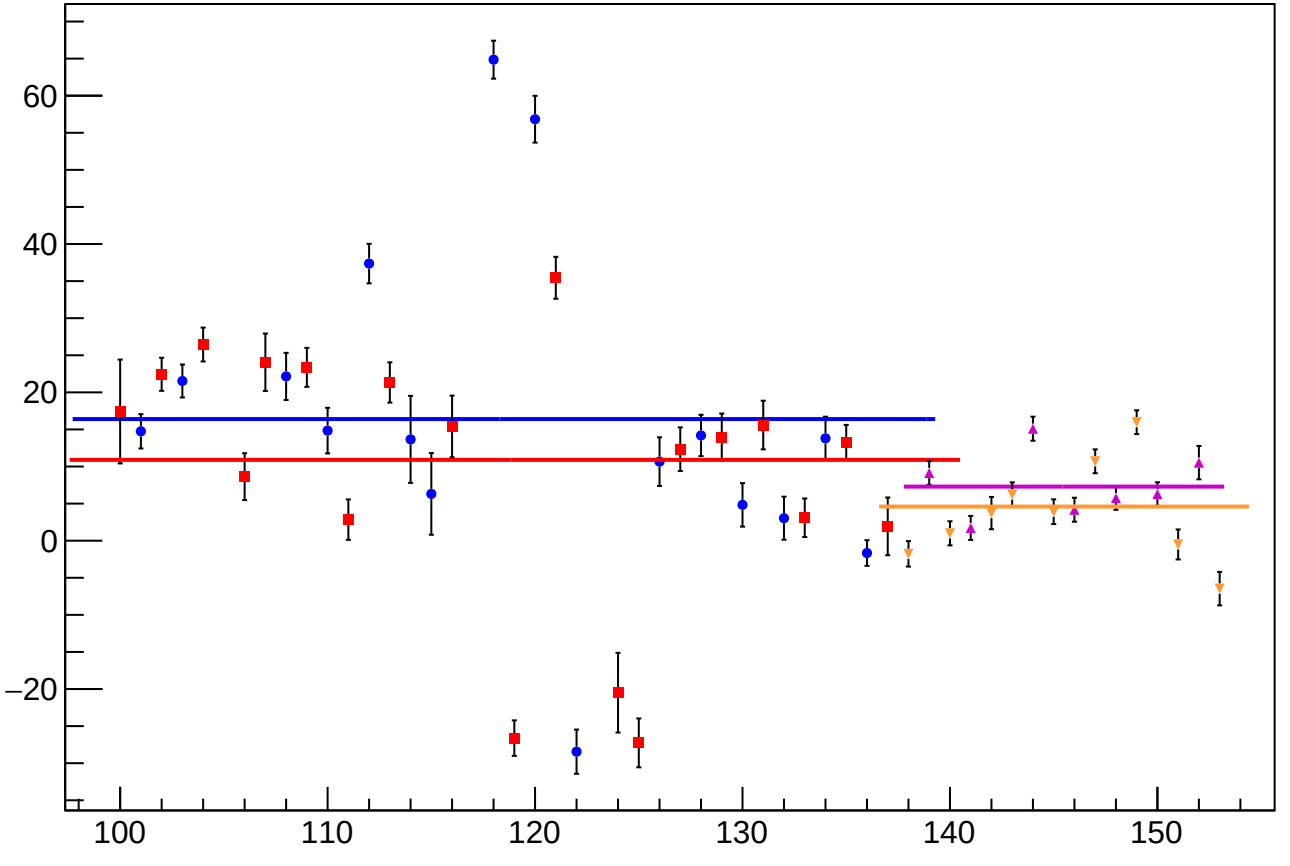
Right: 1780.131+/-0.330 χ^2/NDF: 385462.0/34

In: 1784.244+/-0.347 χ^2/NDF:262603.9/22

Out: 1782.119+/-0.333 χ^2/NDF:329866.2/27

All: 1783.137+/-0.240 χ^2/NDF: 592489.7/50

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: 4.602+/-0.590 χ^2/NDF:115.0/8

Right Out: 10.899+/-0.676 χ^2/NDF: 641.7/18

Left In: 7.293+/-0.629 χ^2/NDF:43.5/6

Left: 5.863+/-0.430 χ^2/NDF: 168.2/15

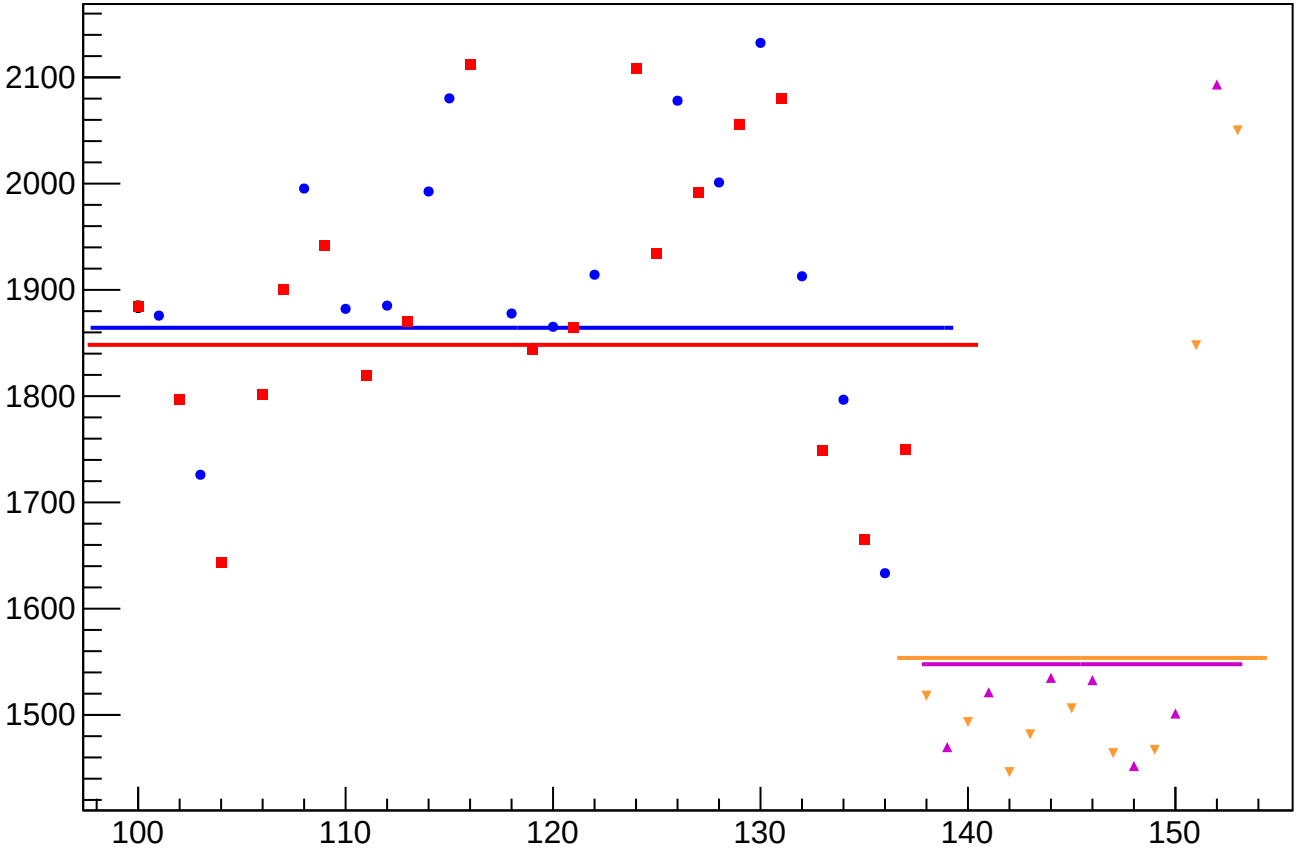
Right: 13.575+/-0.485 χ^2/NDF: 1646.8/34

In: 11.392+/-0.466 χ^2/NDF:1110.9/22

Out: 7.325+/-0.445 χ^2/NDF:805.9/27

All: 9.262+/-0.322 χ^2/NDF: 1956.6/50

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1553.649+/-0.417 χ^2/NDF:165026.0/8

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

Left In: 1547.728+/-0.445 χ^2/NDF:132189.8/6

Left: 1550.875+/-0.304 χ^2/NDF: 297310.1/15

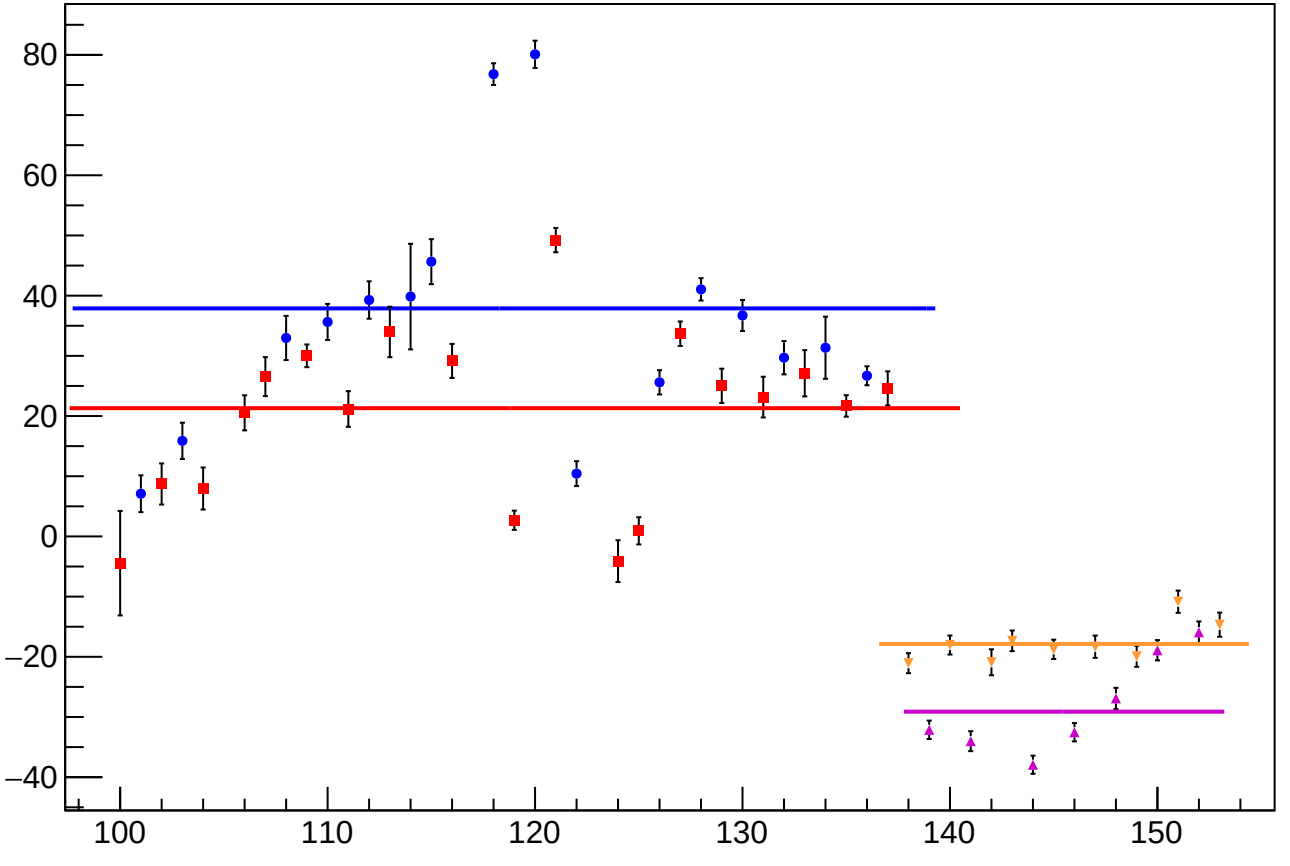
Right: 1856.091+/-0.343 χ^2/NDF: 158816.4/34

In: 1690.234+/-0.330 χ^2/NDF:443753.9/22

Out: 1681.050+/-0.314 χ^2/NDF:455468.2/27

All: 1685.425+/-0.228 χ^2/NDF: 899628.5/50

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -17.864+/-0.591 χ^2/NDF:24.5/8

Right Out: 21.306+/-0.593 χ^2/NDF: 582.6/18

Left In: -29.113+/-0.614 χ^2/NDF:144.3/6

Left: -23.276+/-0.426 χ^2/NDF: 342.9/15

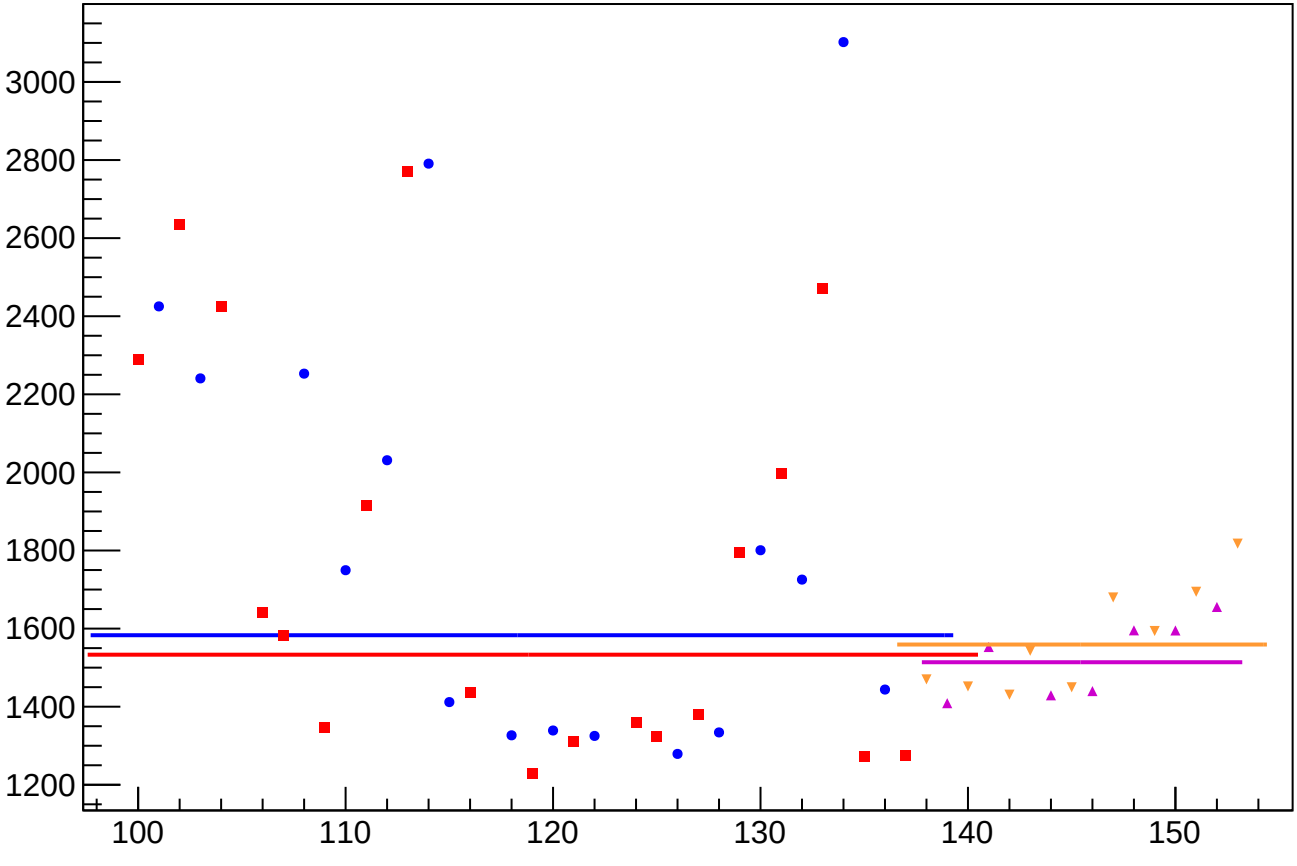
Right: 29.192+/-0.429 χ^2/NDF: 2204.2/34

In: 3.932+/-0.437 χ^2/NDF:7265.7/22

Out: 1.665+/-0.419 χ^2/NDF:2795.3/27

All: 2.750+/-0.302 χ^2/NDF: 10075.1/50

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1559.215+/-0.418 χ^2/NDF:84714.7/8

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

Left In: 1513.860+/-0.434 χ^2/NDF:43018.0/6

Left: 1537.395+/-0.301 χ^2/NDF: 133394.9/15

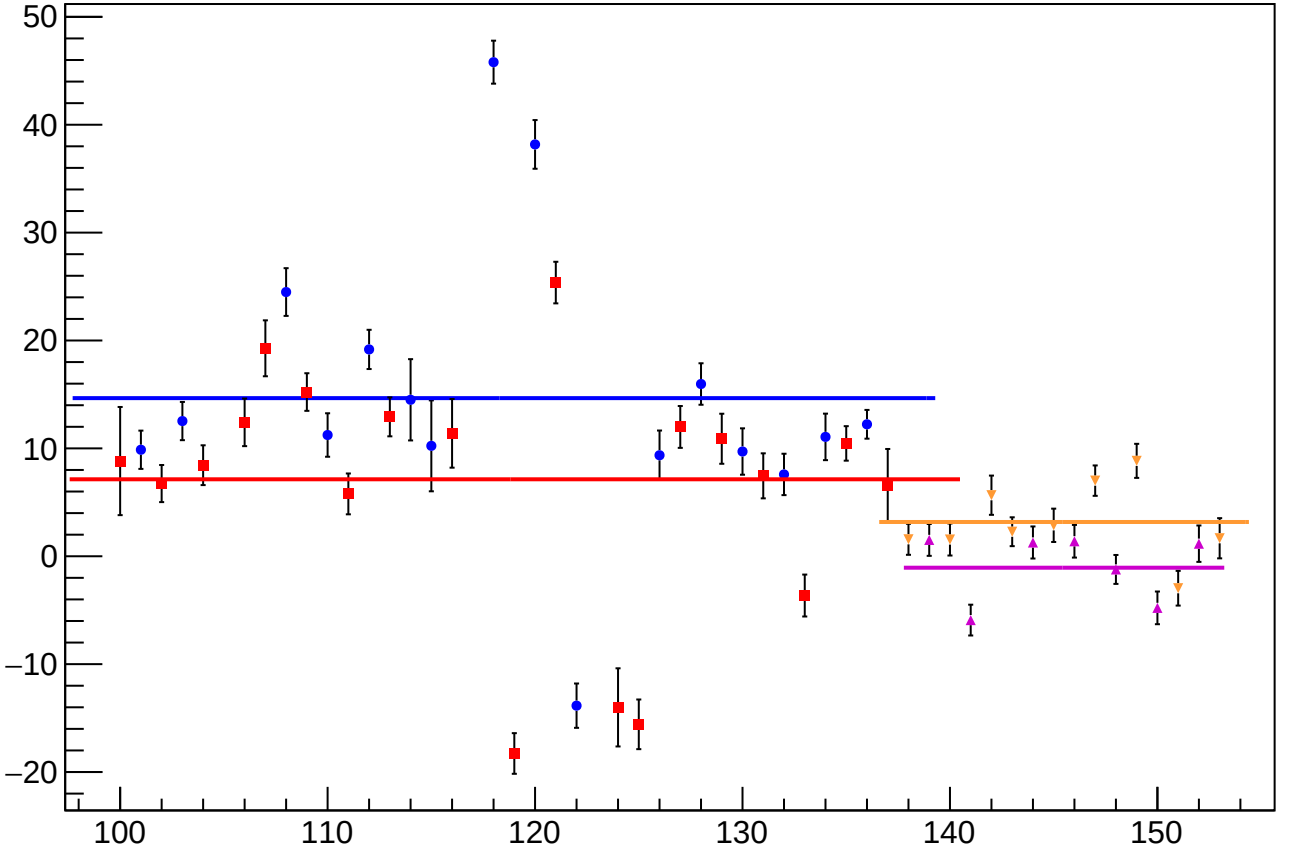
Right: 1556.913+/-0.304 χ^2/NDF: 1745178.6/34

In: 1547.989+/-0.309 χ^2/NDF:843216.2/22

Out: 1546.240+/-0.296 χ^2/NDF:1037424.2/27

All: 1547.076+/-0.214 χ^2/NDF: 1880657.1/50

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 3.177+/-0.513 χ^2/NDF:40.3/8

Right Out: 7.135+/-0.483 χ^2/NDF: 509.4/18

Left In: -1.061+/-0.561 χ^2/NDF:27.5/6

Left: 1.245+/-0.379 χ^2/NDF: 98.9/15

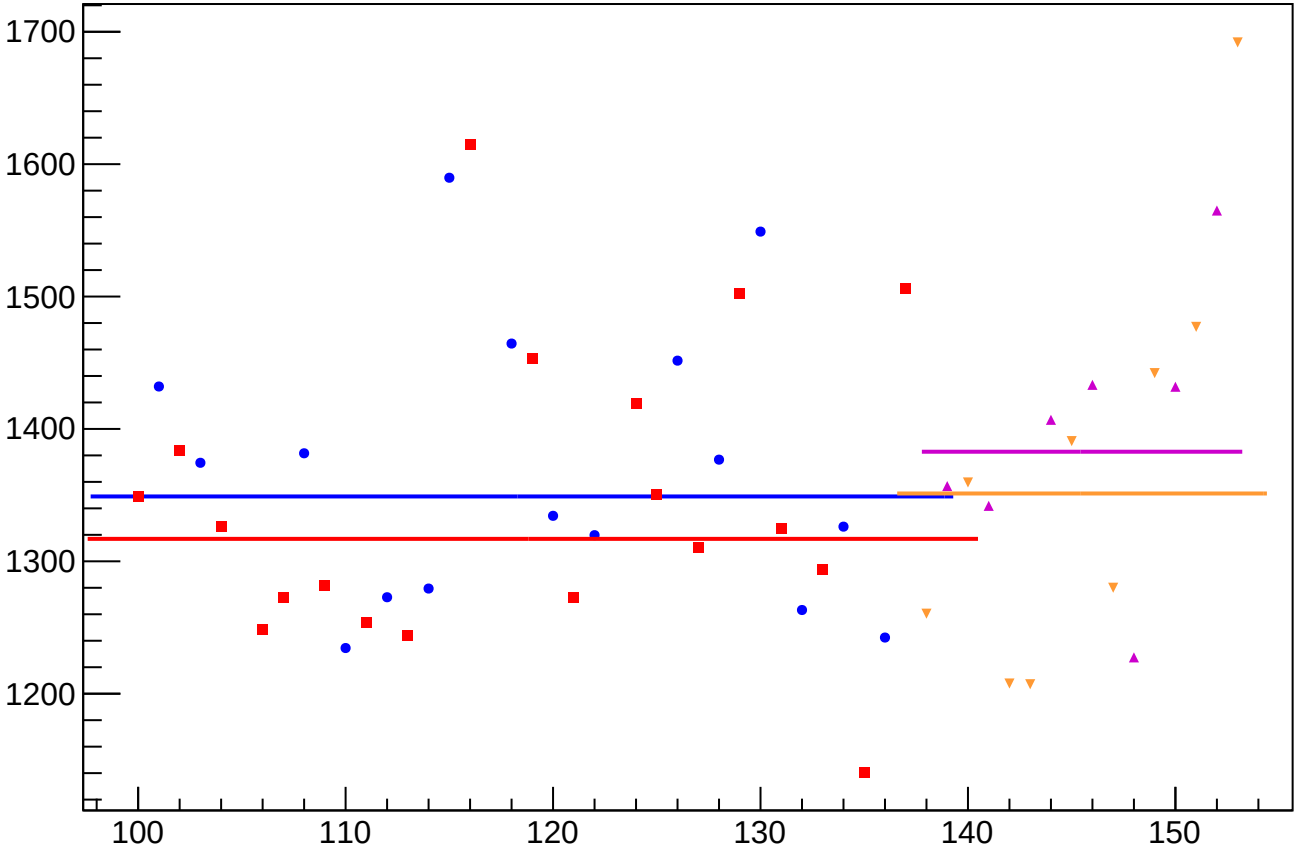
Right: 10.734+/-0.349 χ^2/NDF: 1240.2/34

In: 7.624+/-0.375 χ^2/NDF:1076.7/22

Out: 5.275+/-0.352 χ^2/NDF:581.3/27

All: 6.374+/-0.257 χ^2/NDF: 1678.8/50

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1351.235+/-0.363 χ^2/NDF:135886.4/8

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

Left In: 1382.782+/-0.396 χ^2/NDF:57291.4/6

Left: 1365.617+/-0.268 χ^2/NDF: 196624.0/15

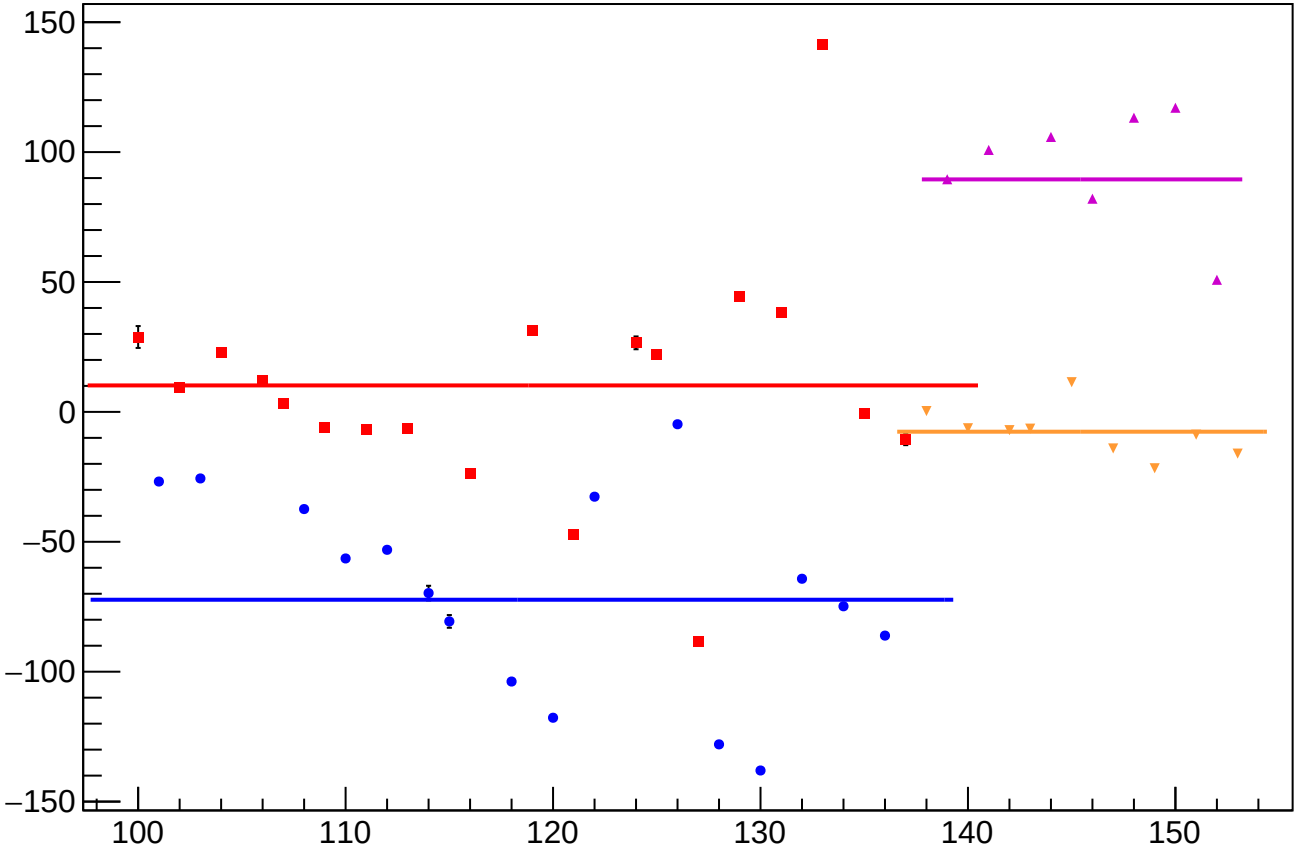
Right: 1332.289+/-0.247 χ^2/NDF: 159464.7/34

In: 1364.117+/-0.265 χ^2/NDF:129688.1/22

Out: 1333.068+/-0.249 χ^2/NDF:227489.7/27

All: 1347.602+/-0.181 χ^2/NDF: 364470.8/50

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -7.623+/-0.339 χ^2/NDF:673.6/8

Right Out: 10.188+/-0.345 χ^2/NDF: 19045.9/18

Left In: 89.490+/-0.375 χ^2/NDF:3790.6/6

Left: 36.031+/-0.251 χ^2/NDF: 41438.8/15

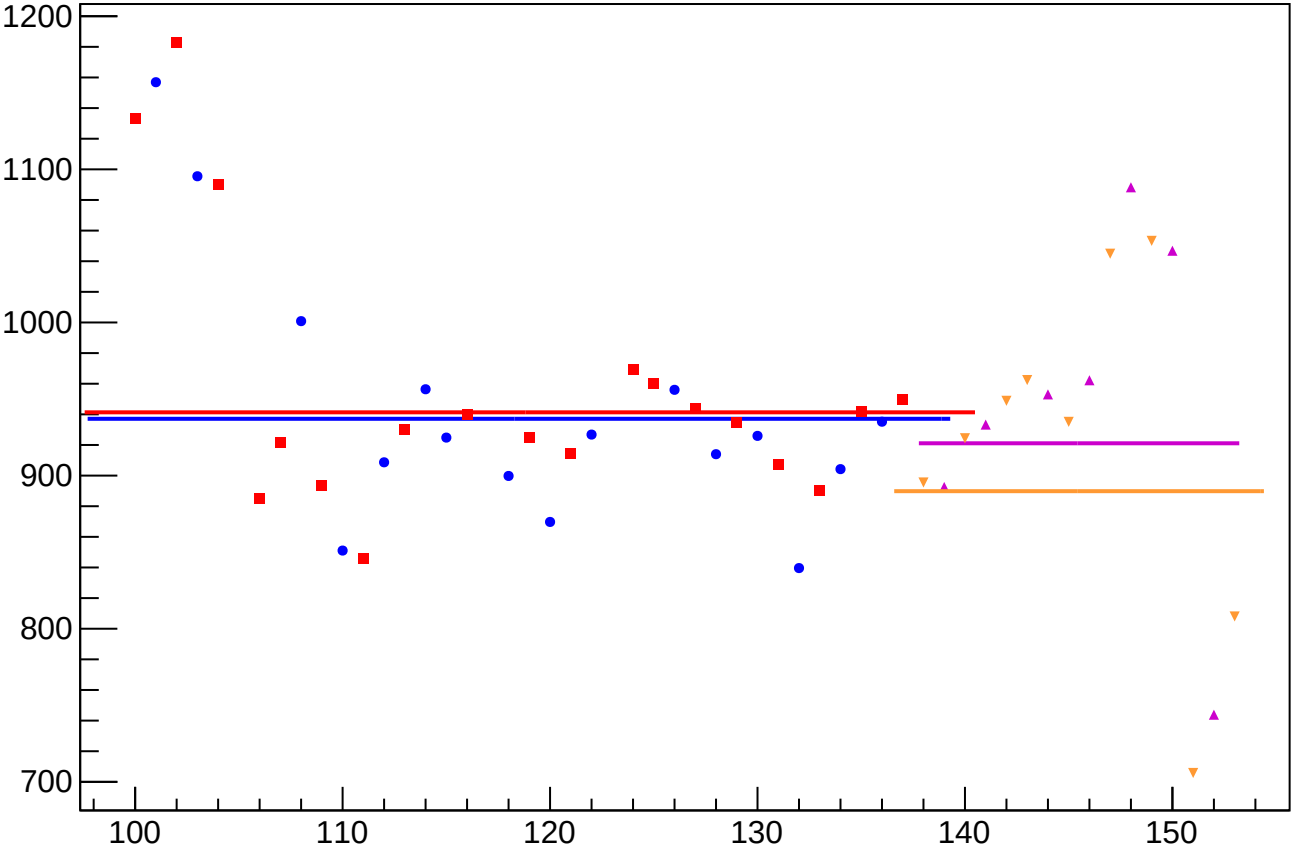
Right: -30.473+/-0.245 χ^2/NDF: 59456.9/34

In: 2.957+/-0.256 χ^2/NDF:115657.0/22

Out: 1.128+/-0.242 χ^2/NDF:21079.0/27

All: 1.991+/-0.176 χ^2/NDF: 136763.0/50

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 889.825+/-0.239 χ^2/NDF:227303.0/8

Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

Left In: 921.102+/-0.265 χ^2/NDF:170454.5/6

Left: 903.885+/-0.178 χ^2/NDF: 405428.0/15

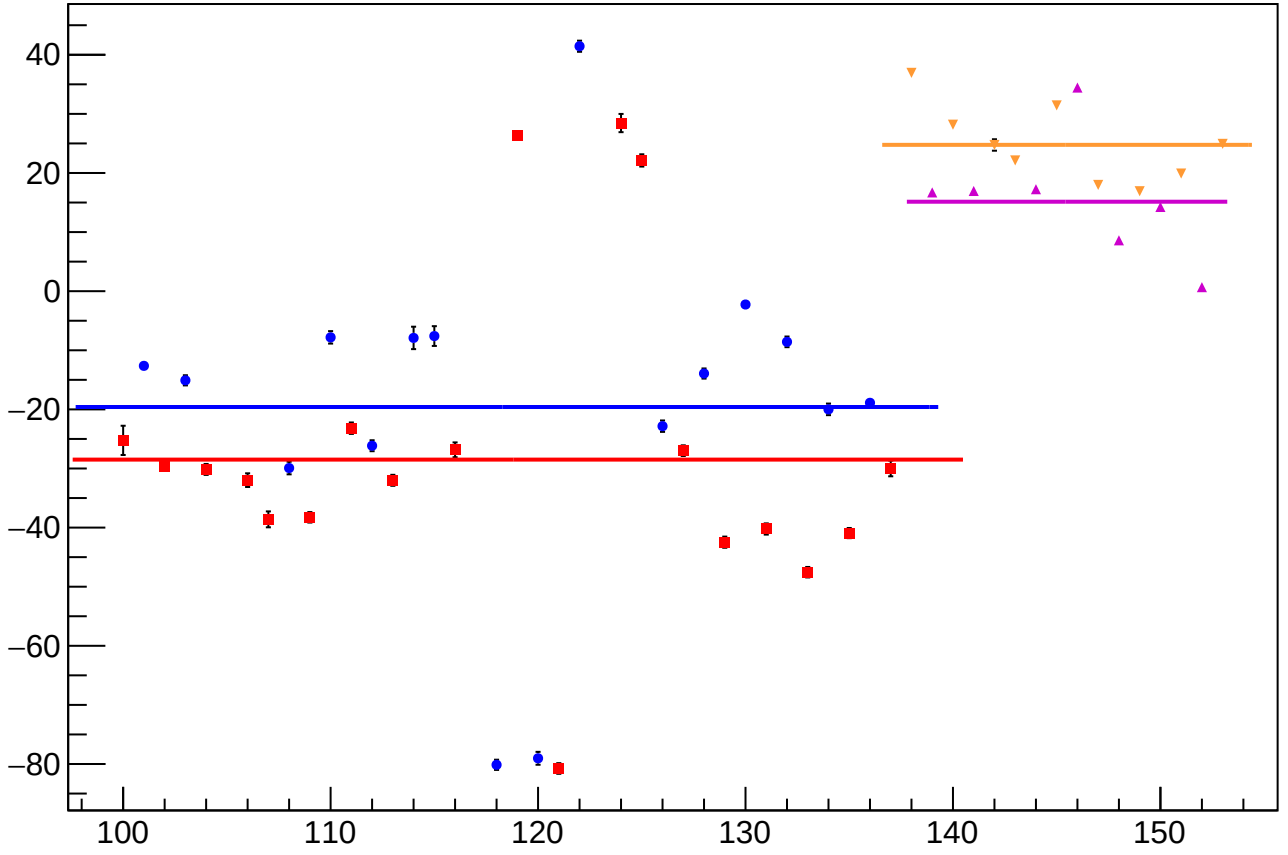
Right: 939.240+/-0.173 χ^2/NDF: 205839.9/34

In: 929.657+/-0.181 χ^2/NDF:277064.0/22

Out: 915.127+/-0.171 χ^2/NDF:351062.9/27

All: 921.981+/-0.124 χ^2/NDF: 631541.9/50

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 24.761+/-0.243 χ^2/NDF:661.2/8

Right Out: -28.496+/-0.230 χ^2/NDF: 12971.2/18

Left In: 15.138+/-0.266 χ^2/NDF:1323.5/6

Left: 20.381+/-0.180 χ^2/NDF: 2696.6/15

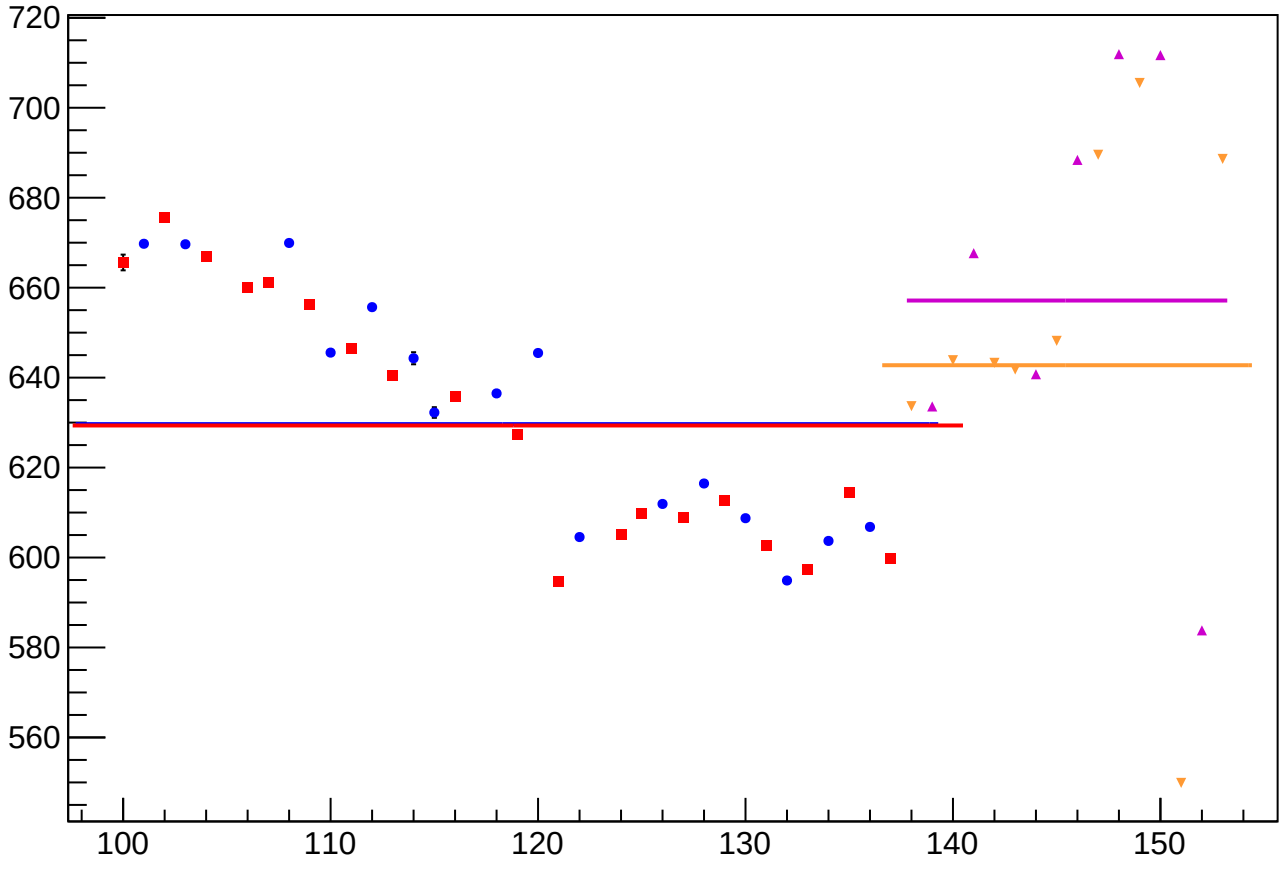
Right: -24.130+/-0.164 χ^2/NDF: 26877.8/34

In: -4.455+/-0.176 χ^2/NDF:24094.2/22

Out: -3.401+/-0.167 χ^2/NDF:38967.6/27

All: -3.901+/-0.121 χ^2/NDF: 63080.7/50

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 642.756+/-0.172 χ^2/NDF:76724.3/8

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

Left In: 657.140+/-0.188 χ^2/NDF:54930.8/6

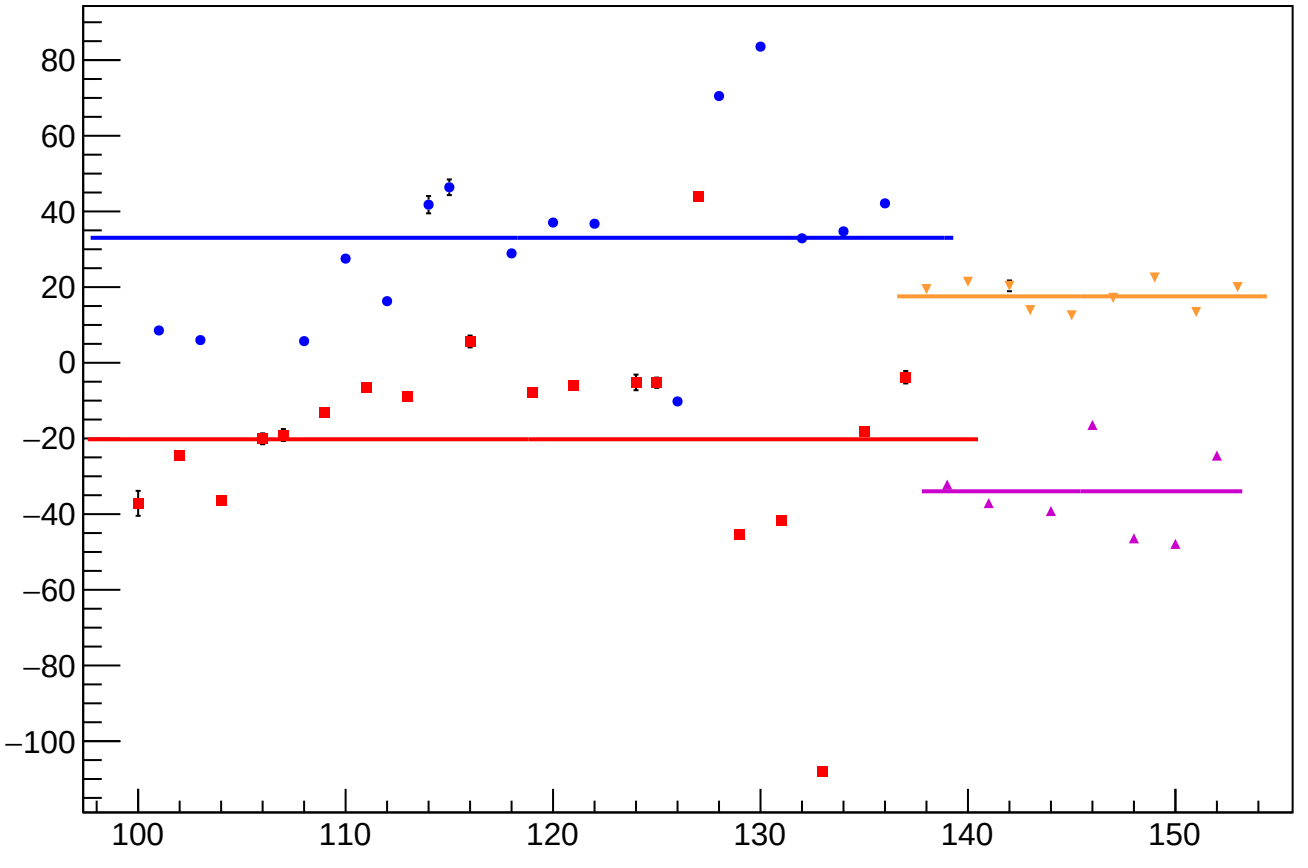
Left: 649.302+/-0.127 χ^2/NDF: 134836.2/15

Right: 629.508+/-0.116 χ^2/NDF: 52108.4/34

In: 641.640+/-0.124 χ^2/NDF:92264.7/22

Out: 635.673+/-0.118 χ^2/NDF:106721.0/27

All: 638.504+/-0.086 χ^2/NDF: 200196.8/50



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 17.556+/-0.361 χ^2/NDF:98.2/8

Right Out: -20.215+/-0.286 χ^2/NDF: 11869.7/18

Left In: -33.964+/-0.393 χ^2/NDF:690.1/6

Left: -6.013+/-0.266 χ^2/NDF: 10109.1/15

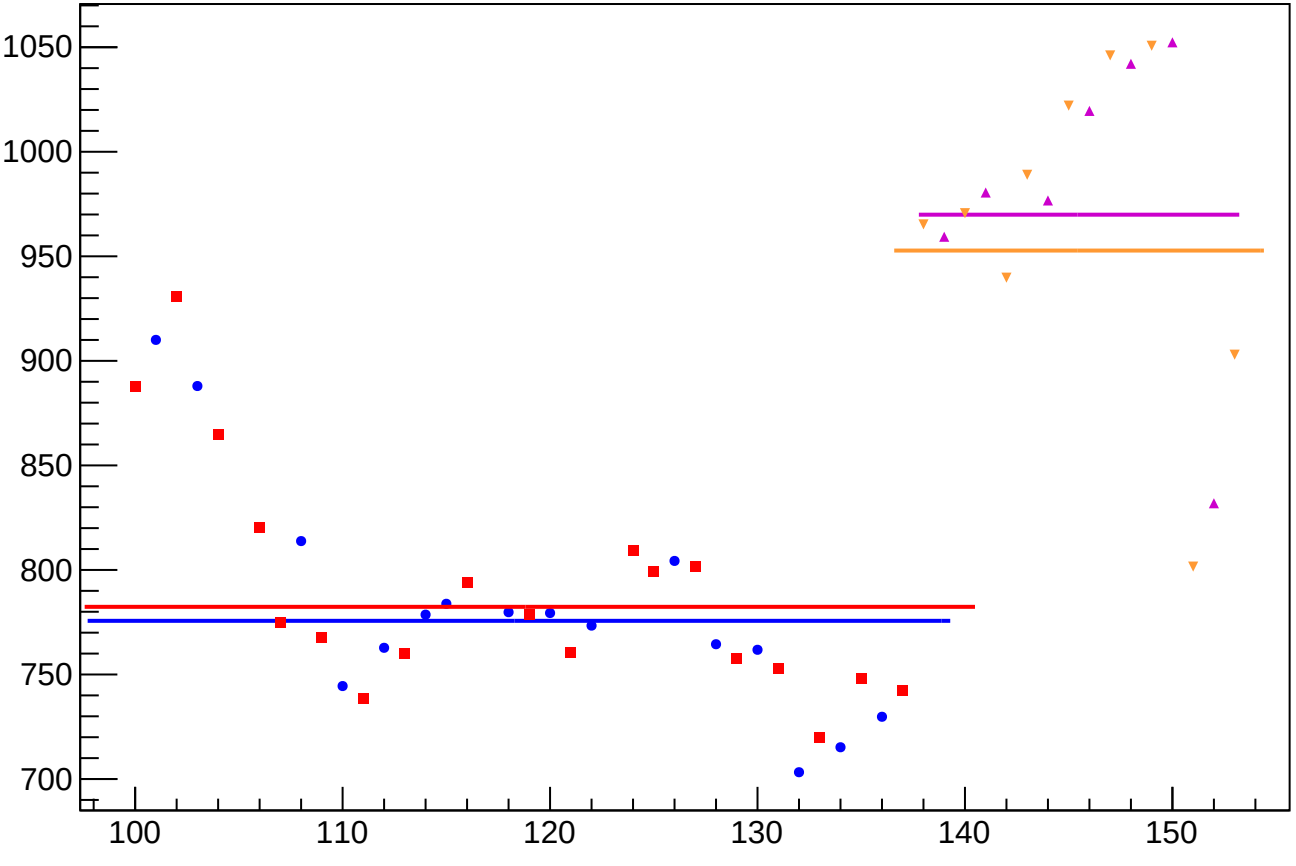
Right: 6.136+/-0.203 χ^2/NDF: 35729.1/34

In: 9.534+/-0.233 χ^2/NDF:26252.7/22

Out: -5.650+/-0.224 χ^2/NDF:18695.9/27

All: 1.655+/-0.161 χ^2/NDF: 47156.2/50

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 952.758+/-0.255 χ^2/NDF:103359.2/8

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

Left In: 969.912+/-0.278 χ^2/NDF:71219.1/6

Left: 960.606+/-0.188 χ^2/NDF: 176644.9/15

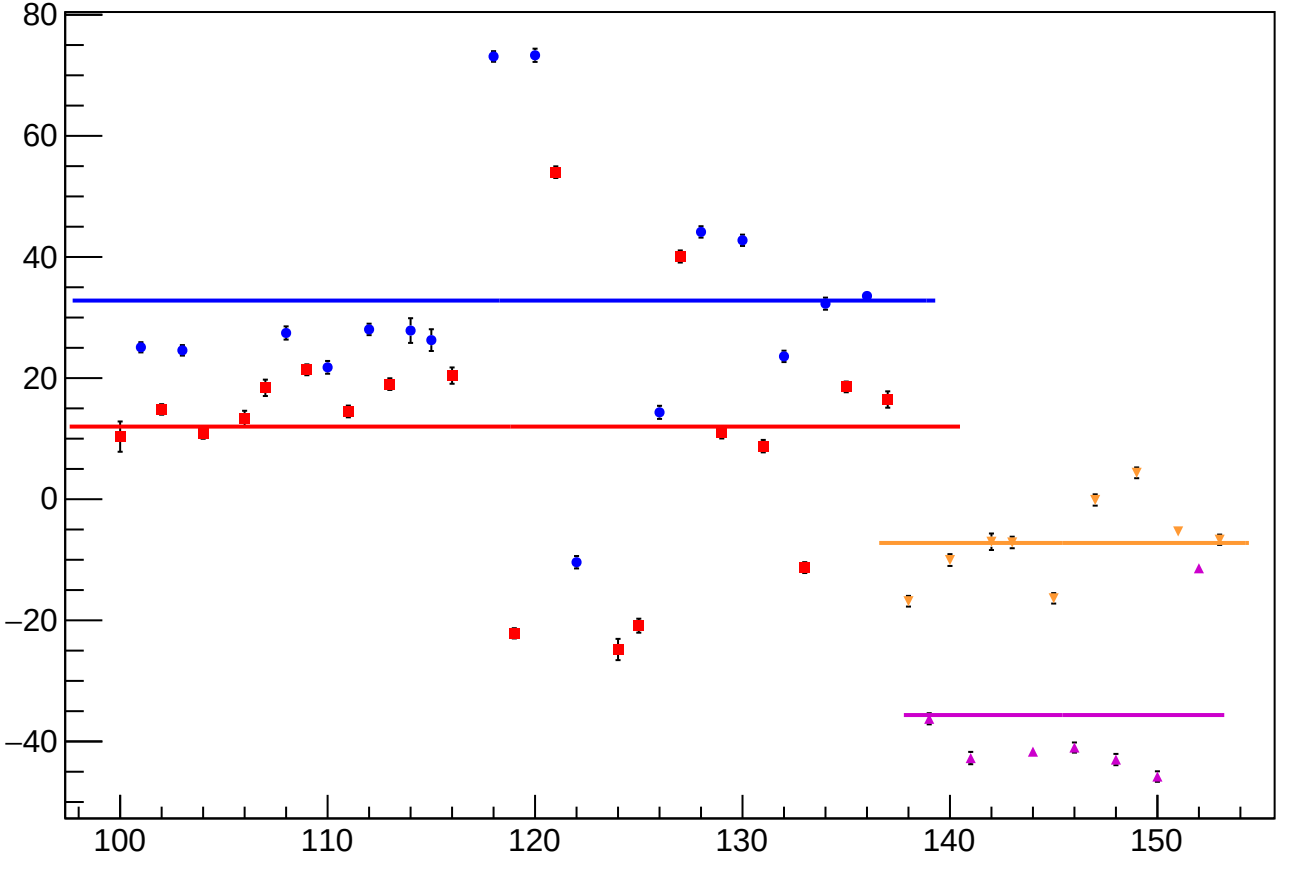
Right: 779.045+/-0.144 χ^2/NDF: 139768.7/34

In: 843.797+/-0.165 χ^2/NDF:463001.2/22

Out: 848.069+/-0.158 χ^2/NDF:441788.6/27

All: 846.014+/-0.114 χ^2/NDF: 905139.3/50

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -7.221+/-0.299 χ^2/NDF:473.6/8

Right Out: 11.994+/-0.241 χ^2/NDF: 6559.7/18

Left In: -35.639+/-0.324 χ^2/NDF:1471.6/6

Left: -20.274+/-0.220 χ^2/NDF: 6091.8/15

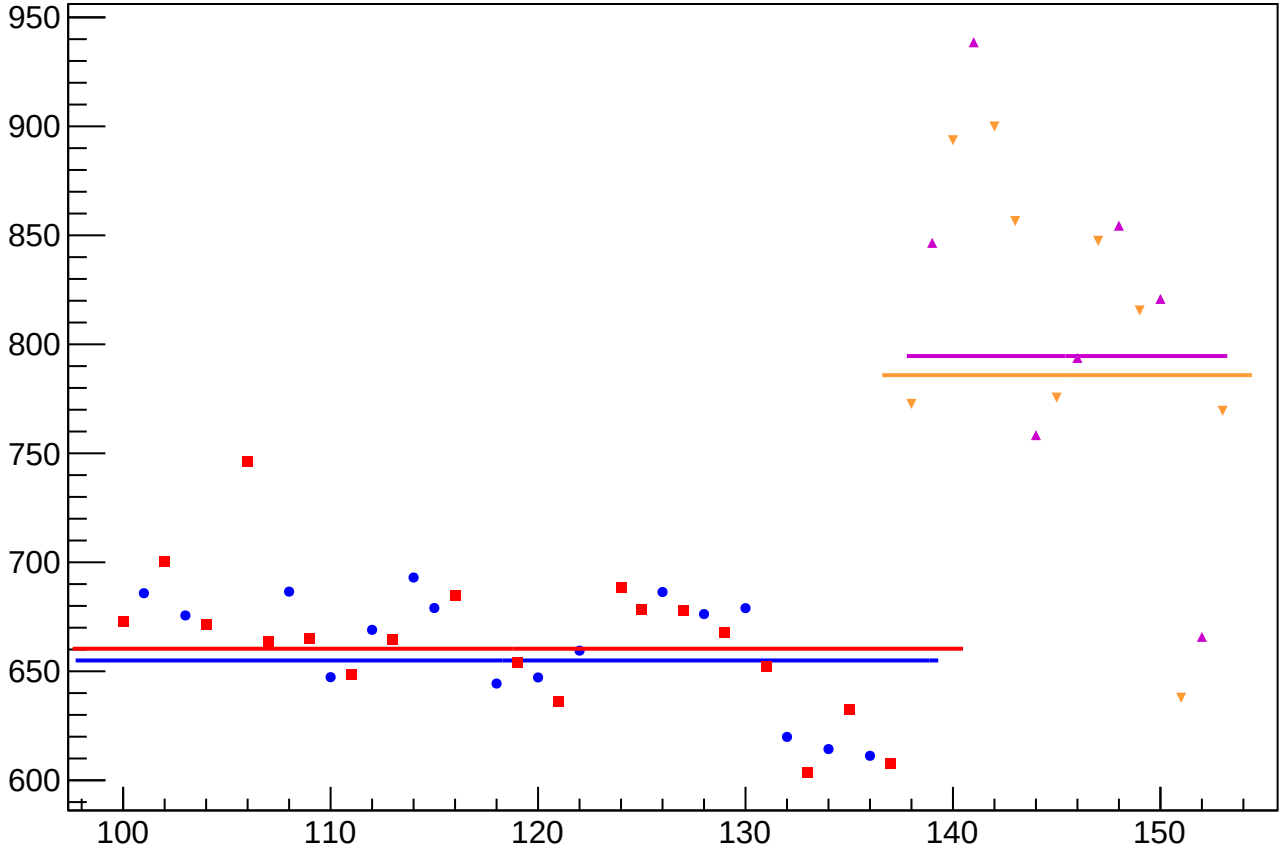
Right: 22.296+/-0.171 χ^2/NDF: 16506.5/34

In: 8.145+/-0.195 χ^2/NDF:36190.7/22

Out: 4.425+/-0.188 χ^2/NDF:9534.8/27

All: 6.216+/-0.135 χ^2/NDF: 45914.7/50

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 785.860+/-0.211 χ^2/NDF:152774.6/8

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

Left In: 794.625+/-0.229 χ^2/NDF:123996.6/6

Left: 789.886+/-0.156 χ^2/NDF: 277560.2/15

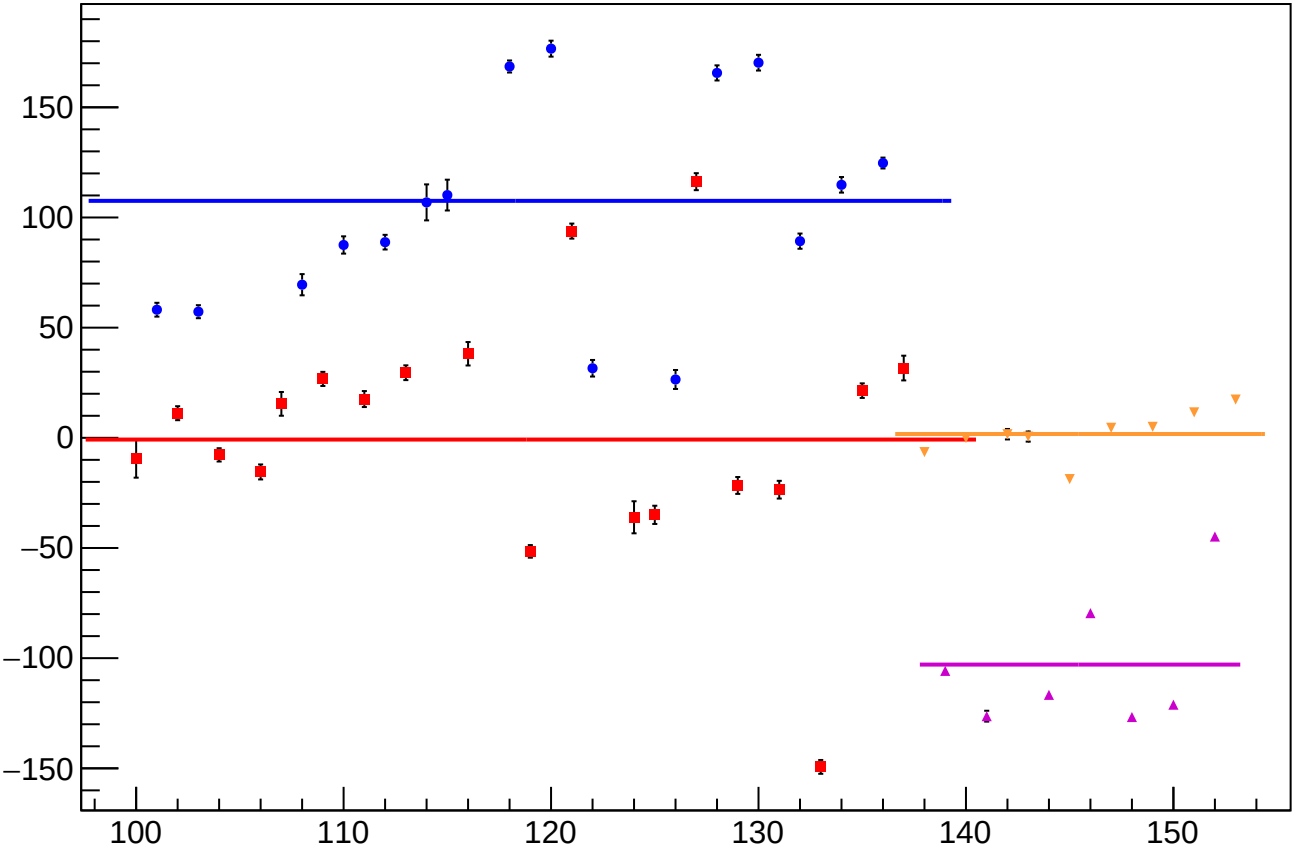
Right: 657.689+/-0.121 χ^2/NDF: 57655.9/34

In: 705.285+/-0.138 χ^2/NDF:387729.5/22

Out: 709.794+/-0.133 χ^2/NDF:396630.0/27

All: 707.623+/-0.096 χ^2/NDF: 784915.1/50

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: 1.731+/-0.680 χ^2/NDF:200.2/8

Right Out: -0.788+/-0.861 χ^2/NDF: 4763.9/18

Left In: -102.915+/-0.709 χ^2/NDF:1437.4/6

Left: -48.435+/-0.491 χ^2/NDF: 12984.4/15

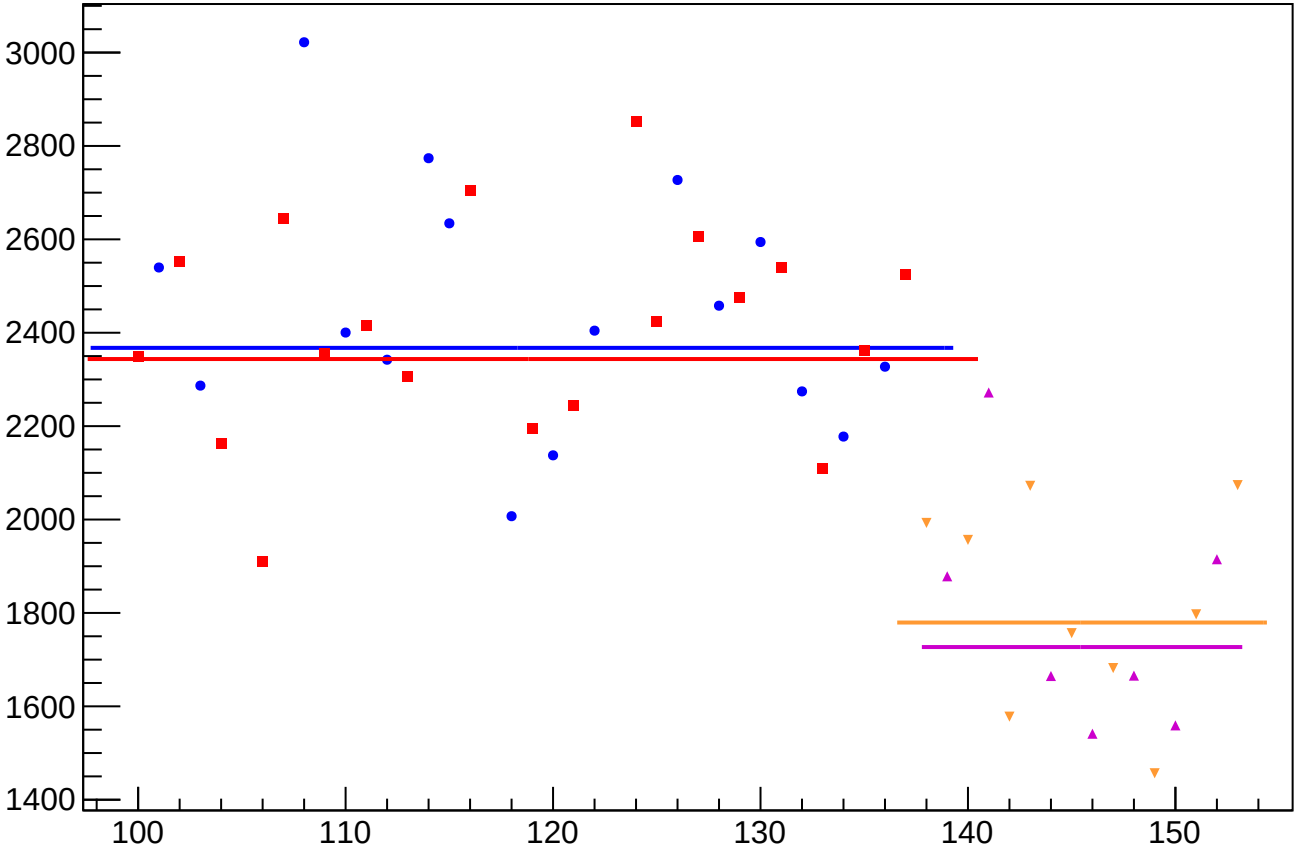
Right: 51.859+/-0.617 χ^2/NDF: 15416.7/34

In: -20.703+/-0.553 χ^2/NDF:38829.8/22

Out: 0.763+/-0.534 χ^2/NDF:4969.4/27

All: -9.582+/-0.384 χ^2/NDF: 44578.9/50

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1779.462+/-0.481 χ^2/NDF:198690.6/8

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

Left In: 1726.962+/-0.501 χ^2/NDF:176530.2/6

Left: 1754.294+/-0.347 χ^2/NDF: 380932.5/15

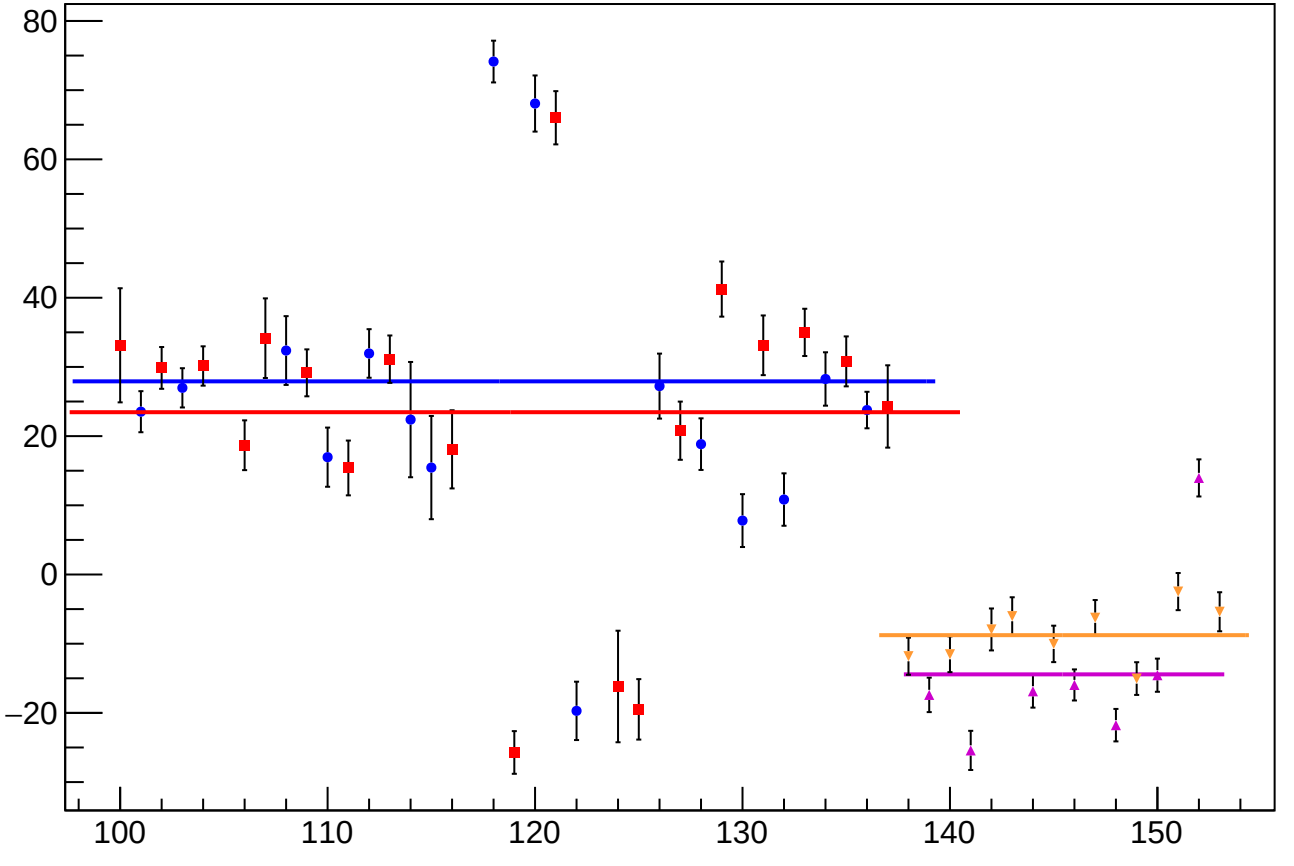
Right: 2355.333+/-0.436 χ^2/NDF: 239789.5/34

In: 1977.223+/-0.391 χ^2/NDF:941511.1/22

Out: 1996.343+/-0.377 χ^2/NDF:839960.9/27

All: 1987.128+/-0.272 χ^2/NDF: 1782709.1/50

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -8.766+/-0.887 χ^2/NDF:18.7/8

Right Out: 23.457+/-0.903 χ^2/NDF: 567.9/18

Left In: -14.431+/-0.929 χ^2/NDF:139.9/6

Left: -11.466+/-0.642 χ^2/NDF: 178.0/15

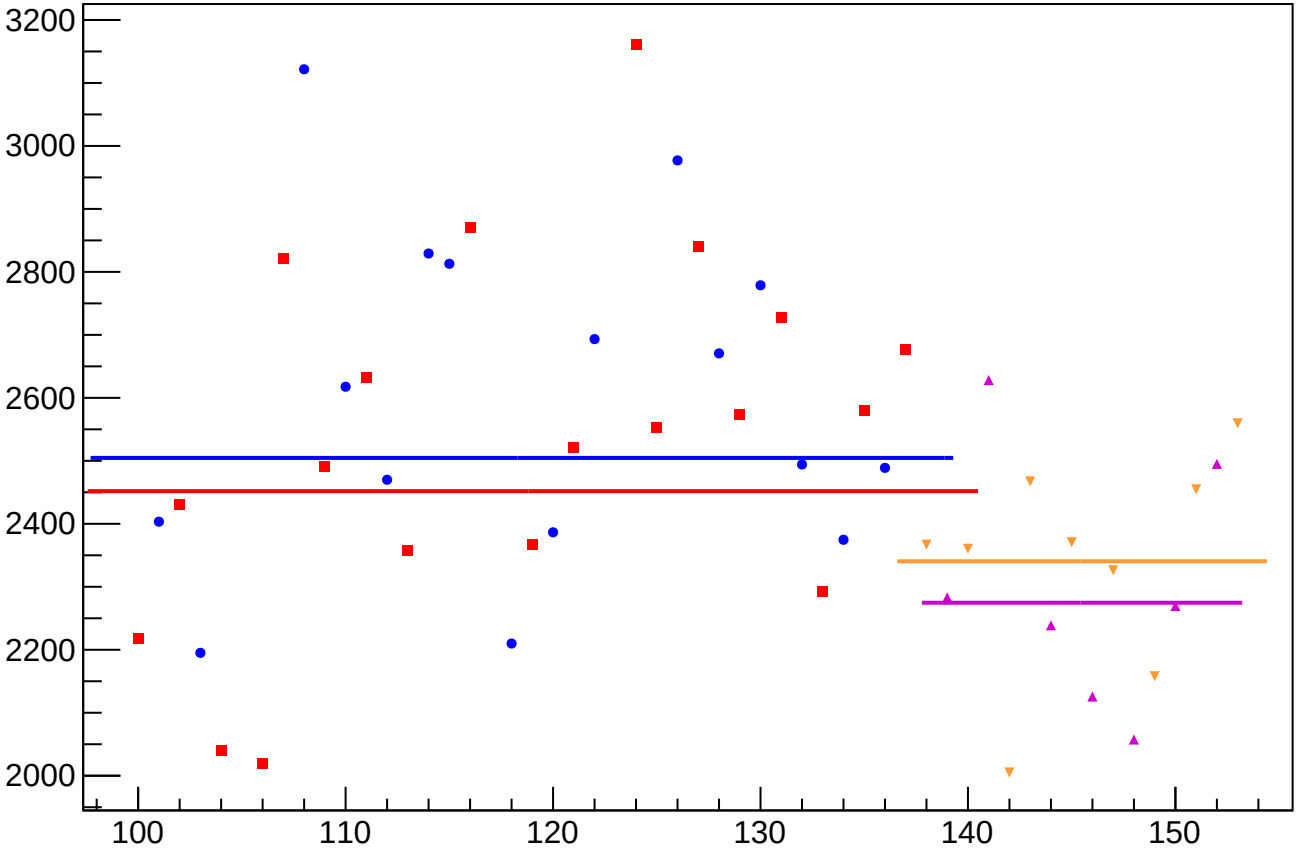
Right: 25.604+/-0.650 χ^2/NDF: 1110.3/34

In: 6.574+/-0.660 χ^2/NDF:1700.5/22

Out: 7.063+/-0.633 χ^2/NDF:1235.0/27

All: 6.829+/-0.457 χ^2/NDF: 2935.8/50

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2340.509+/-0.627 χ^2/NDF:57026.1/8

Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2274.657+/-0.657 χ^2/NDF:71181.4/6

Left: 2309.119+/-0.454 χ^2/NDF: 133463.0/15

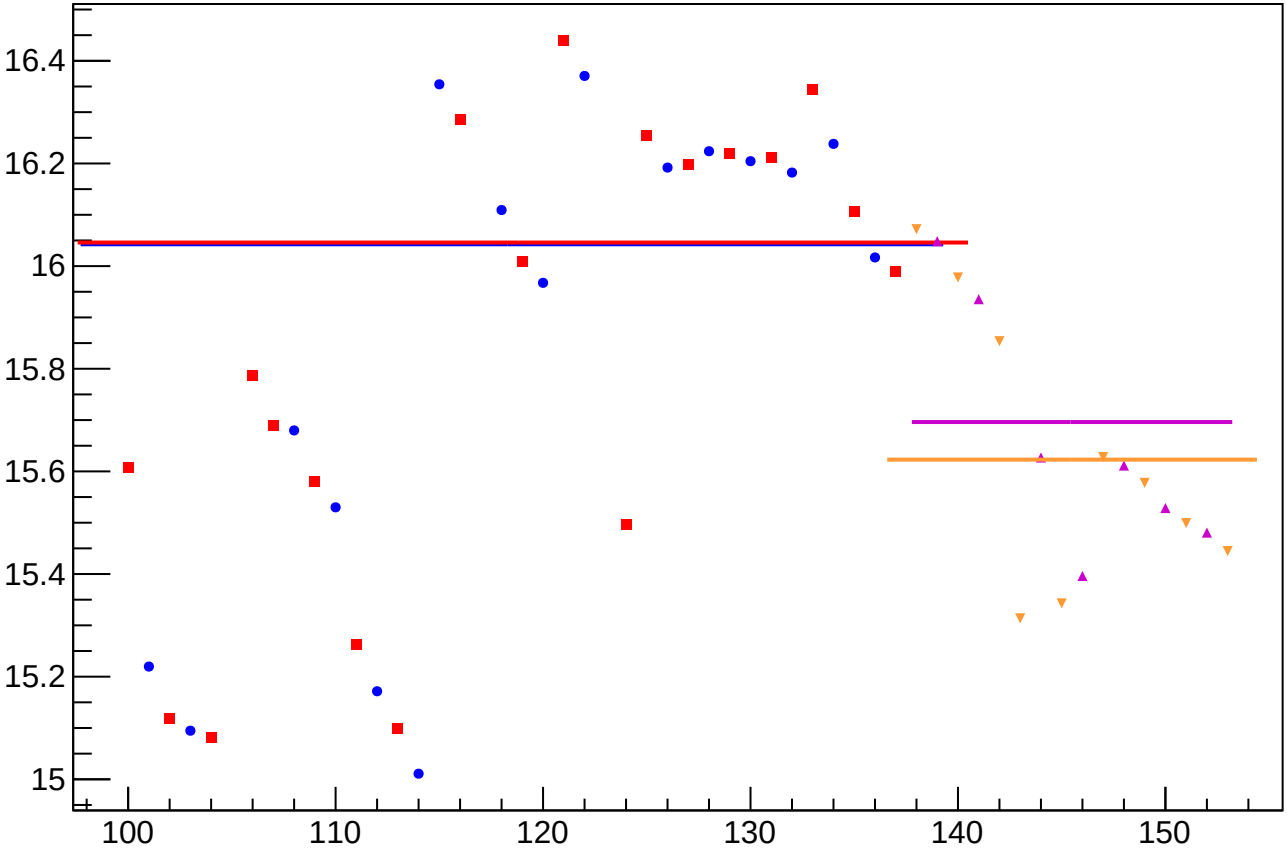
Right: 2477.287+/-0.460 χ^2/NDF: 283127.8/34

In: 2388.738+/-0.467 χ^2/NDF:258543.5/22

Out: 2395.218+/-0.447 χ^2/NDF:225754.1/27

All: 2392.114+/-0.323 χ^2/NDF: 484398.2/50

yield_sam1_mean vs Slug, Sign Corrected



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.623+/-0.000 χ^2/NDF:4628330641.3/8

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

Left In: 15.696+/-0.000 χ^2/NDF:2244539241.3/6

Left: 15.655+/-0.000 χ^2/NDF: 7006475793.9/15

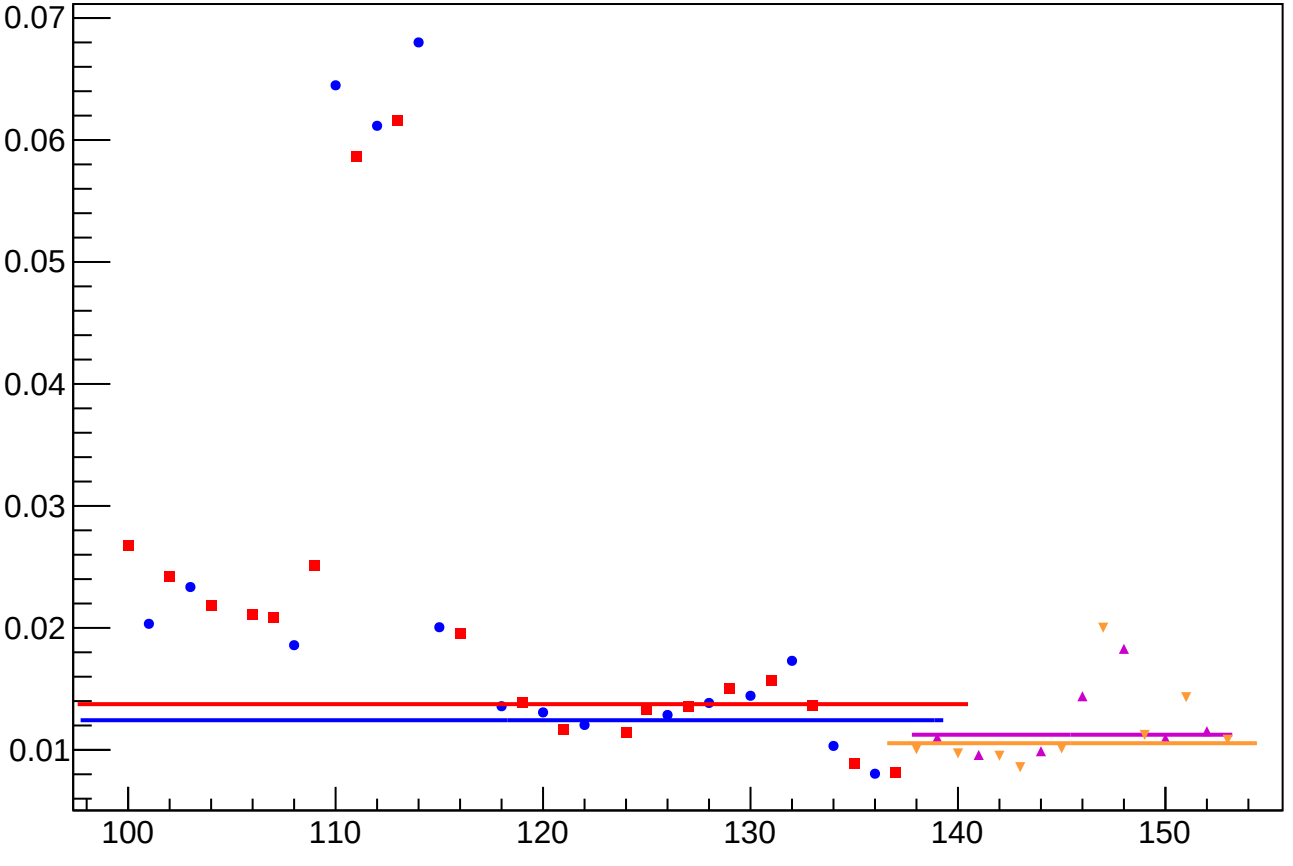
Right: 16.044+/-0.000 χ^2/NDF: 6392885915.7/34

In: 15.851+/-0.000 χ^2/NDF:7449568269.6/22

Out: 15.769+/-0.000 χ^2/NDF:11708305634.8/27

All: 15.808+/-0.000 χ^2/NDF: 19438982611.6

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2316842.7/15

Left Out: 0.011+/-0.000 χ^2/NDF:580280.3/8

Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.011+/-0.000 χ^2/NDF:396487.1/6

Left: 0.011+/-0.000 χ^2/NDF: 1000871.2/15

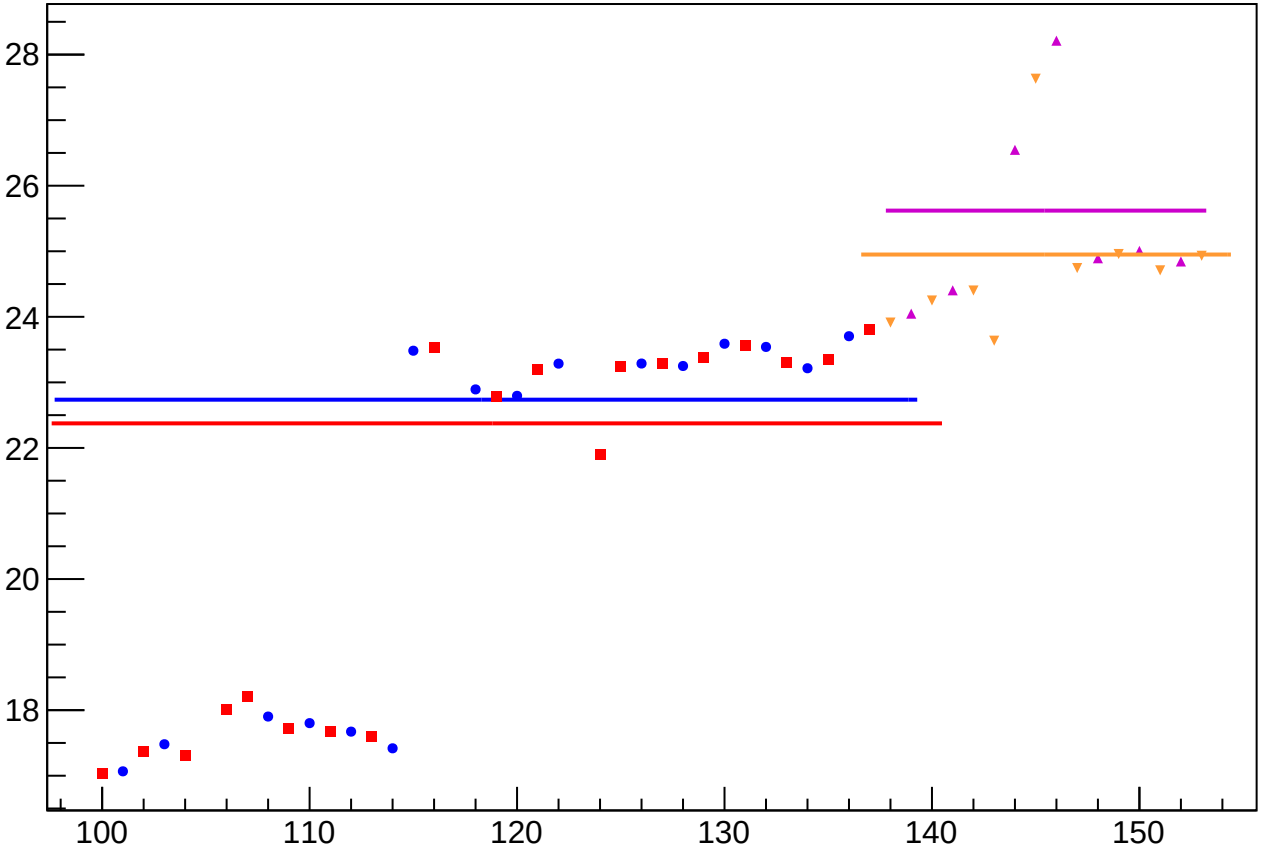
Right: 0.013+/-0.000 χ^2/NDF: 4604105.9/34

In: 0.012+/-0.000 χ^2/NDF:2769024.1/22

Out: 0.012+/-0.000 χ^2/NDF:3215208.5/27

All: 0.012+/-0.000 χ^2/NDF: 5985487.0/50

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 24.950+/-0.000 χ^2/NDF:762664384.2/8

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

Left In: 25.620+/-0.000 χ^2/NDF:633041631.3/6

Left: 25.245+/-0.000 χ^2/NDF: 1486189220.7/15

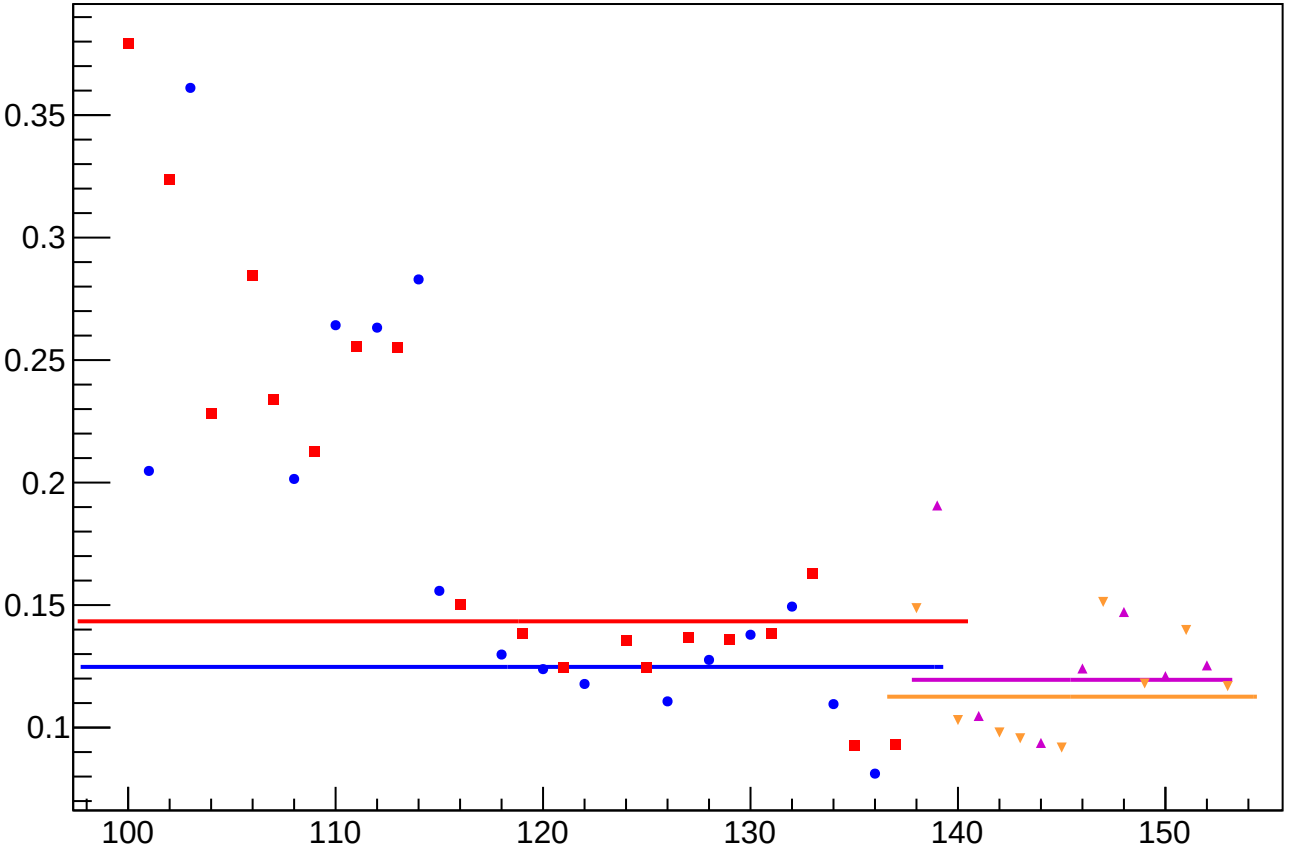
Right: 22.574+/-0.000 χ^2/NDF: 2456494994.8/34

In: 24.212+/-0.000 χ^2/NDF:3316421853.4/22

Out: 23.974+/-0.000 χ^2/NDF:3129687305.6/27

All: 24.090+/-0.000 χ^2/NDF: 6466543890.8/5

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.113+/-0.000 χ^2/NDF:378981.0/8

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

Left In: 0.119+/-0.000 χ^2/NDF:434466.4/6

Left: 0.116+/-0.000 χ^2/NDF: 832552.6/15

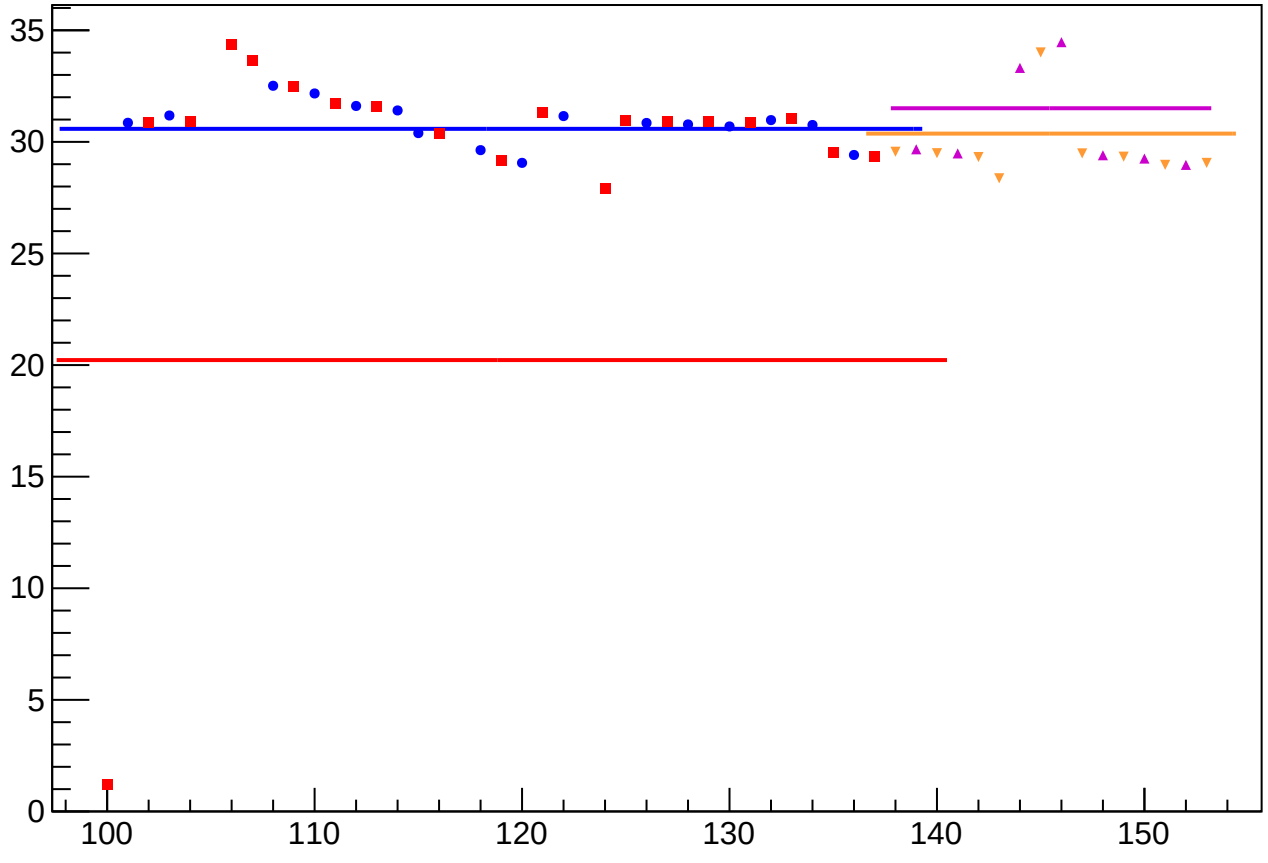
Right: 0.133+/-0.000 χ^2/NDF: 3426627.7/34

In: 0.122+/-0.000 χ^2/NDF:2194056.6/22

Out: 0.124+/-0.000 χ^2/NDF:2277549.7/27

All: 0.123+/-0.000 χ^2/NDF: 4475100.8/50

yield_sam3_mean vs Slug, Sign Corrected



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 30.371+/-0.000 χ^2/NDF:5067619674.9/8

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

Left In: 31.507+/-0.000 χ^2/NDF:5748692137.0/6

Left: 30.928+/-0.000 χ^2/NDF: 11523968004.1/15

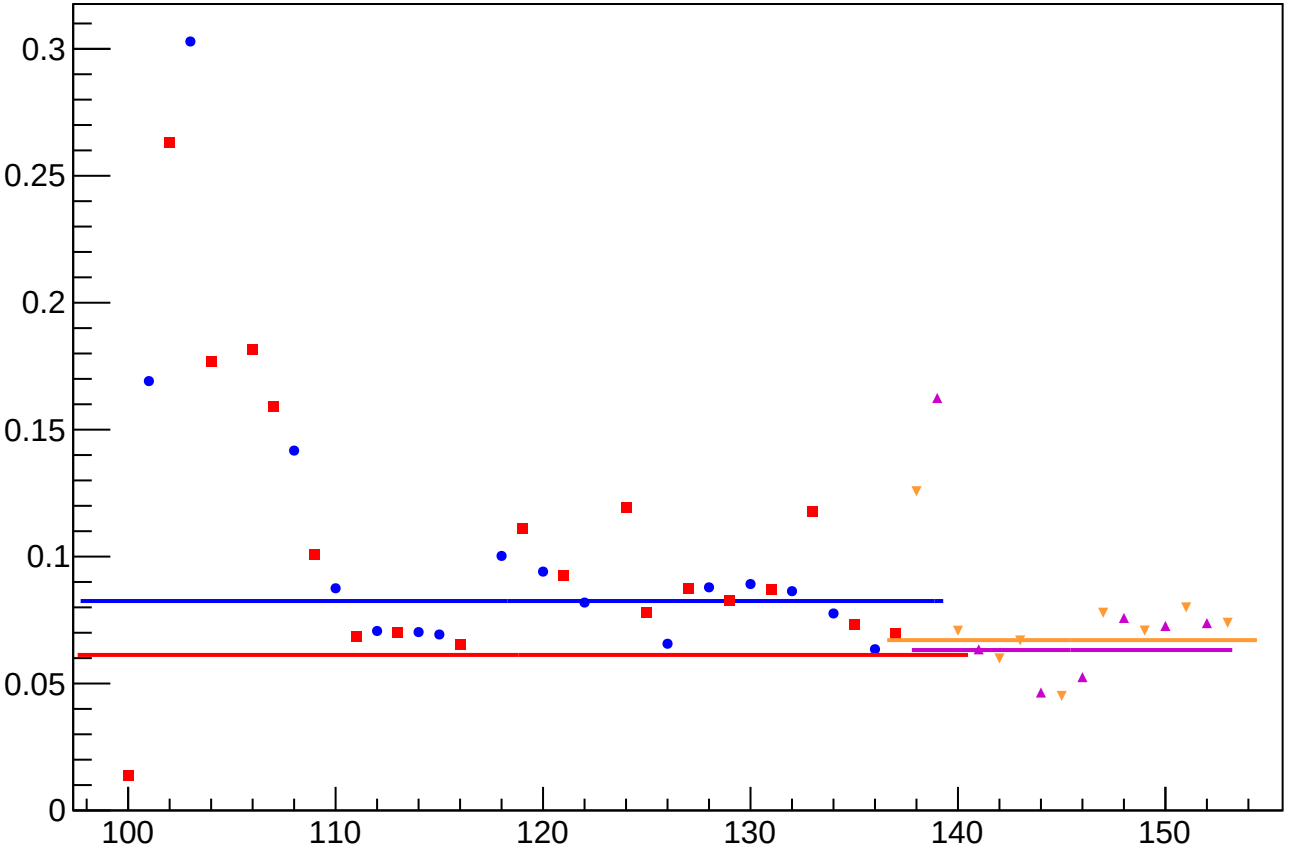
Right: 24.530+/-0.000 χ^2/NDF: 270460315915.7/34

In: 31.121+/-0.000 χ^2/NDF:6784048401.4/22

Out: 25.367+/-0.000 χ^2/NDF:283112023084.6/27

All: 27.990+/-0.000 χ^2/NDF: 323208683002.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.067+/-0.000 χ^2/NDF:642495.0/8

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

Left In: 0.063+/-0.000 χ^2/NDF:921522.9/6

Left: 0.065+/-0.000 χ^2/NDF: 1580697.7/15

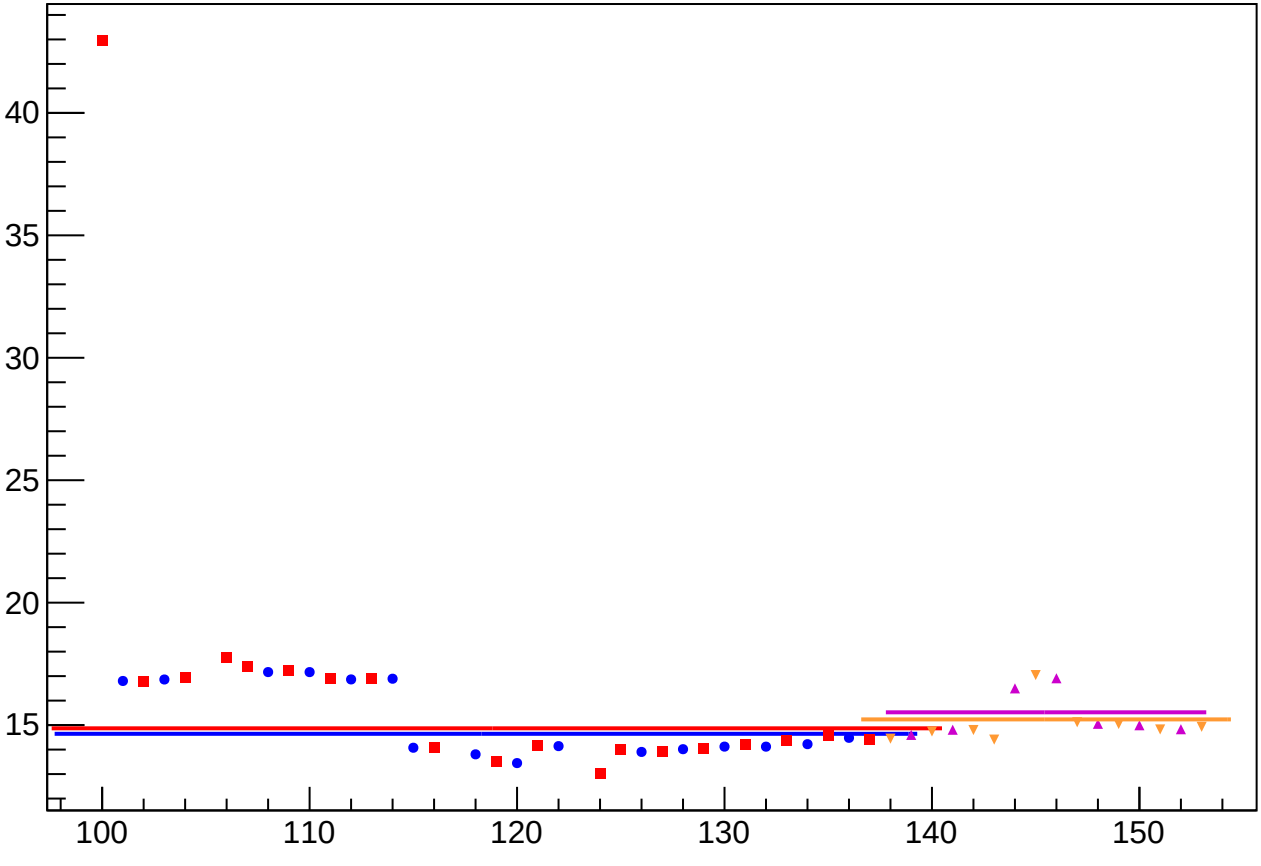
Right: 0.070+/-0.000 χ^2/NDF: 5683622.8/34

In: 0.071+/-0.000 χ^2/NDF:2518414.5/22

Out: 0.064+/-0.000 χ^2/NDF:4694295.1/27

All: 0.067+/-0.000 χ^2/NDF: 7312820.4/50

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.232+/-0.000 χ^2/NDF:959303216.6/8

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

Left In: 15.522+/-0.000 χ^2/NDF:747752695.6/6

Left: 15.364+/-0.000 χ^2/NDF: 1752369936.0/15

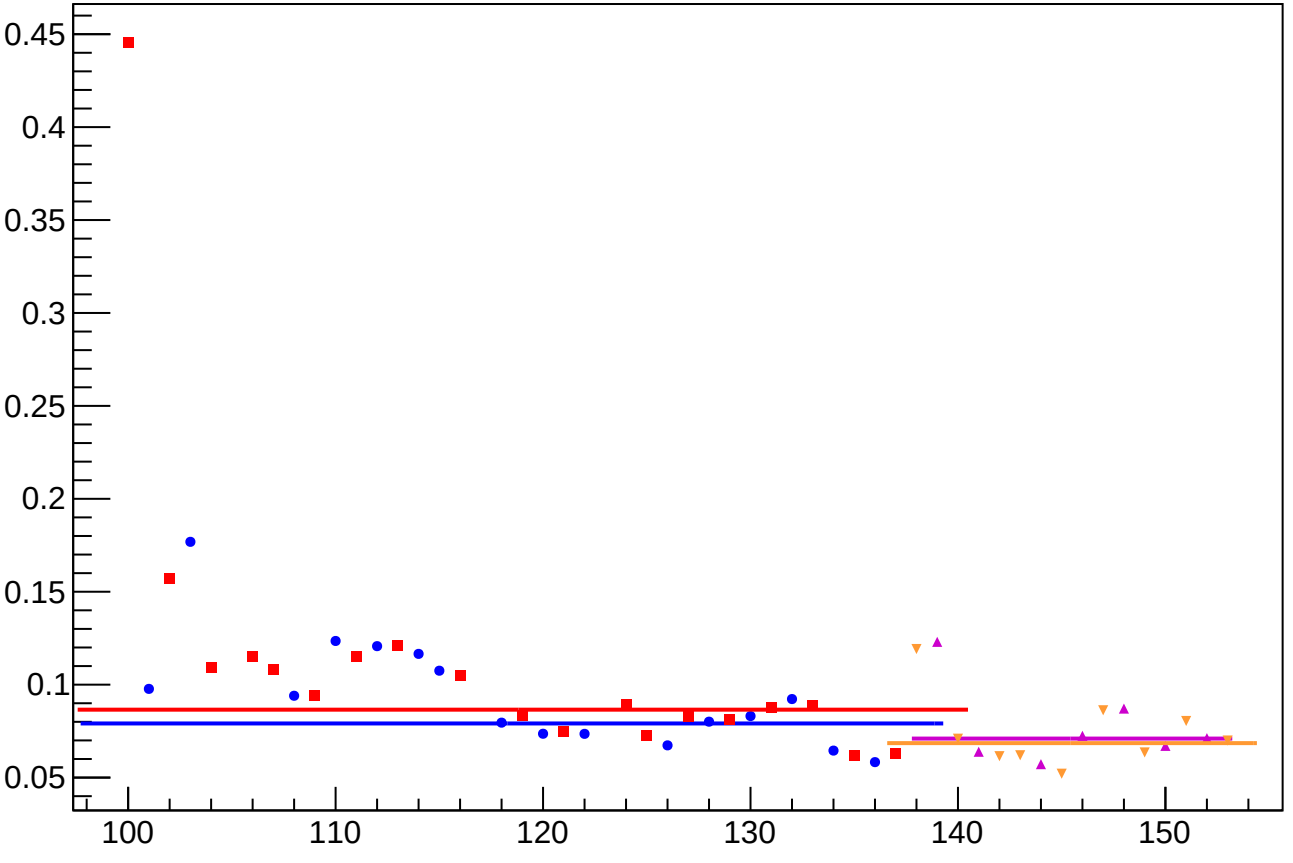
Right: 14.749+/-0.000 χ^2/NDF: 2945878863.1/34

In: 15.095+/-0.000 χ^2/NDF:2313001707.0/22

Out: 15.084+/-0.000 χ^2/NDF:2753714926.3/27

All: 15.089+/-0.000 χ^2/NDF: 5066849767.3/5

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.069+/-0.000 χ^2/NDF:509207.9/8

Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

Left In: 0.071+/-0.000 χ^2/NDF:446493.6/6

Left: 0.070+/-0.000 χ^2/NDF: 962164.8/15

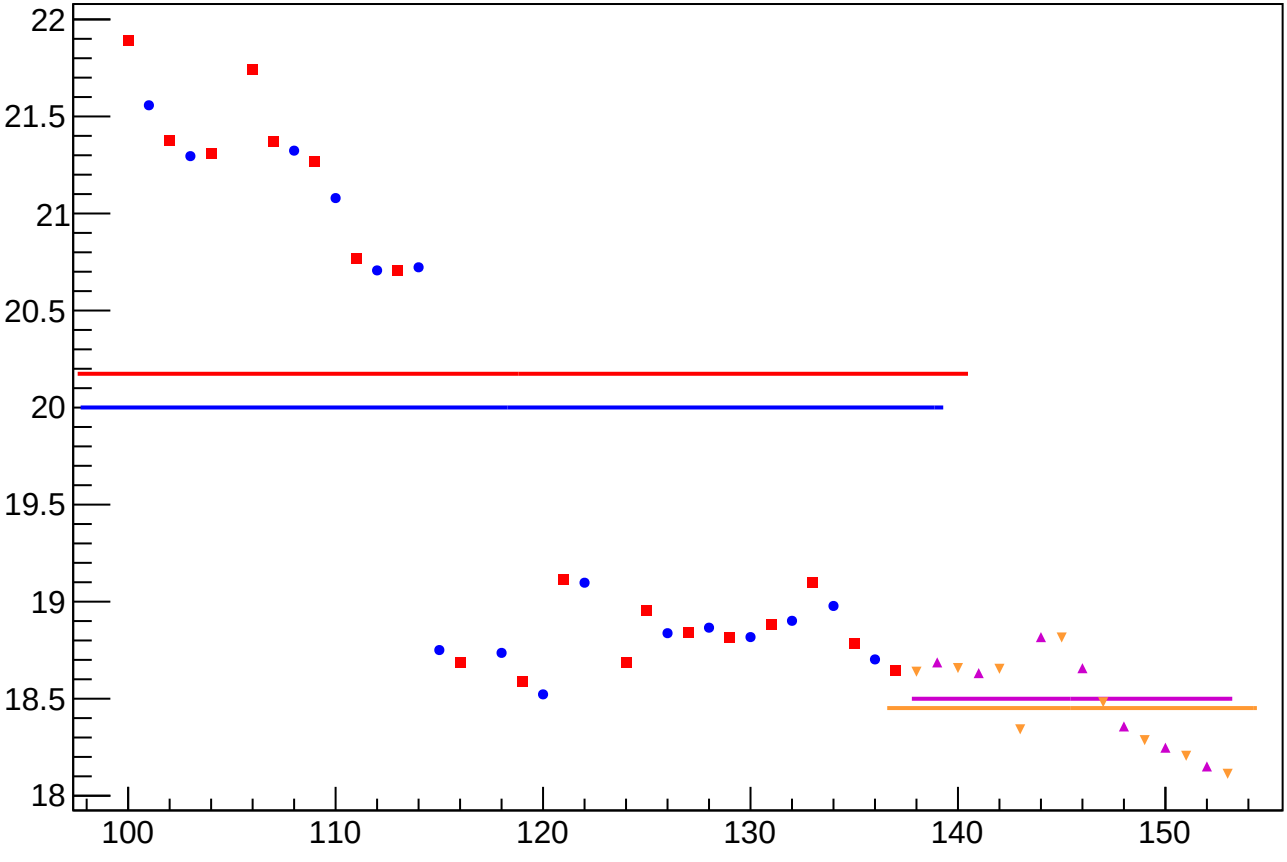
Right: 0.083+/-0.000 χ^2/NDF: 1759748.9/34

In: 0.075+/-0.000 χ^2/NDF:1428518.6/22

Out: 0.076+/-0.000 χ^2/NDF:1617036.2/27

All: 0.075+/-0.000 χ^2/NDF: 3047344.9/50

yield_sam5_mean vs Slug, Sign Corrected



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.452+/-0.000 χ^2/NDF:362177984.7/8

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

Left In: 18.500+/-0.000 χ^2/NDF:315311333.9/6

Left: 18.474+/-0.000 χ^2/NDF: 683868214.4/15

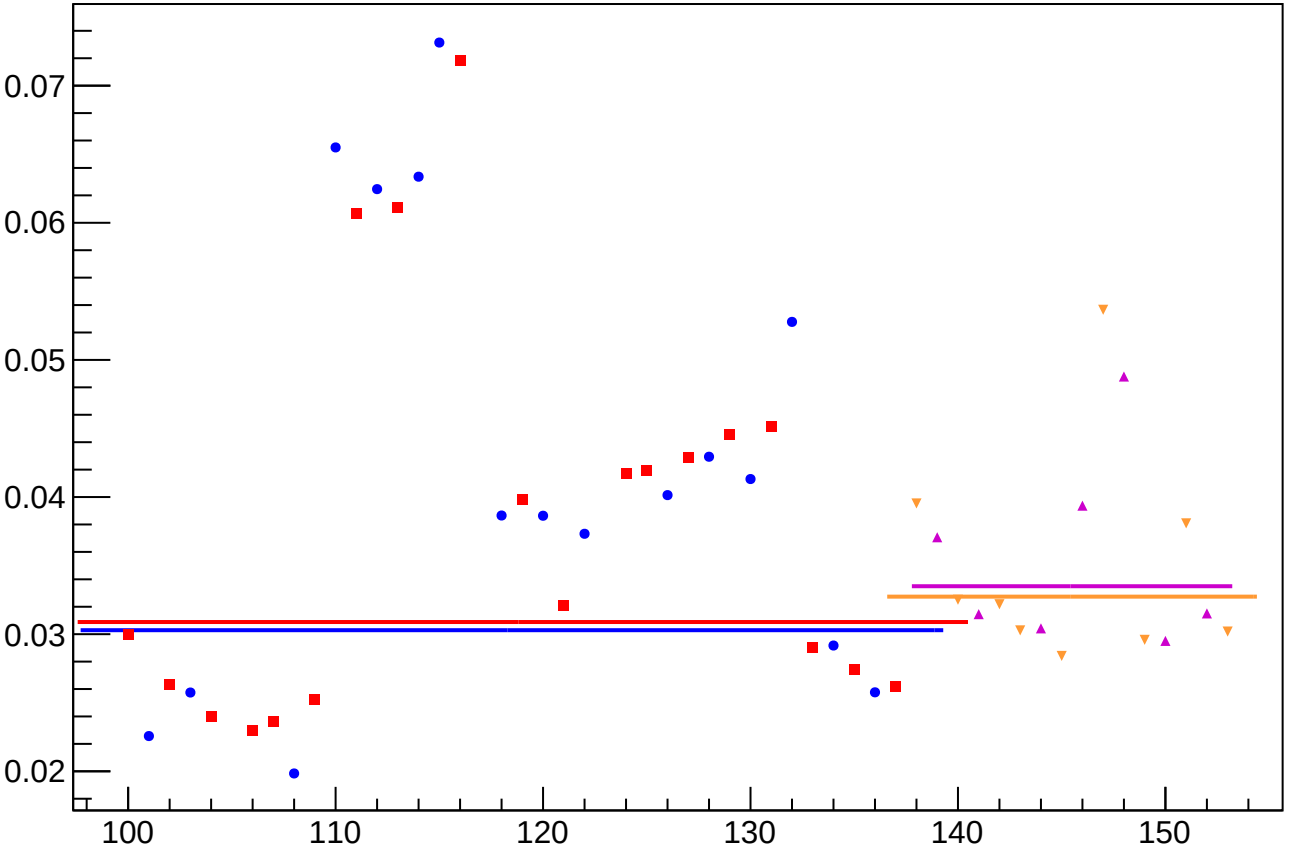
Right: 20.087+/-0.000 χ^2/NDF: 21403297693.7/34

In: 19.343+/-0.000 χ^2/NDF:17612183749.6/22

Out: 19.344+/-0.000 χ^2/NDF:20115376608.3/27

All: 19.343+/-0.000 χ^2/NDF: 37727567243.5

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 1447374.9/15

Left Out: 0.033+/-0.000 χ^2/NDF:394584.0/8

Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

Left In: 0.033+/-0.000 χ^2/NDF:269551.2/6

Left: 0.033+/-0.000 χ^2/NDF: 667322.6/15

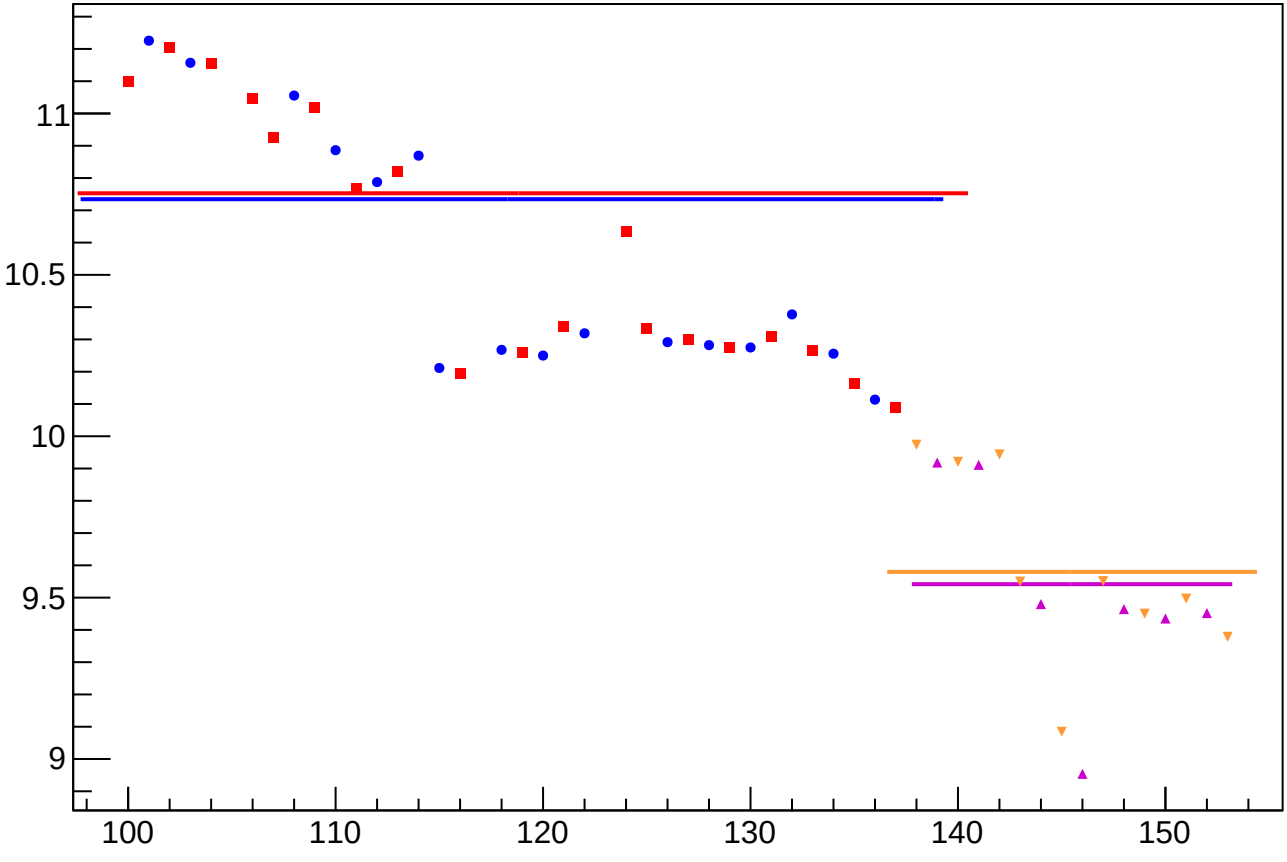
Right: 0.031+/-0.000 χ^2/NDF: 2654419.8/34

In: 0.032+/-0.000 χ^2/NDF:1775521.2/22

Out: 0.032+/-0.000 χ^2/NDF:1620850.4/27

All: 0.032+/-0.000 χ^2/NDF: 3396454.6/50

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.580+/-0.000 χ^2/NDF:1256919763.5/8

Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

Left In: 9.542+/-0.000 χ^2/NDF:966277770.3/6

Left: 9.563+/-0.000 χ^2/NDF: 2233410131.6/15

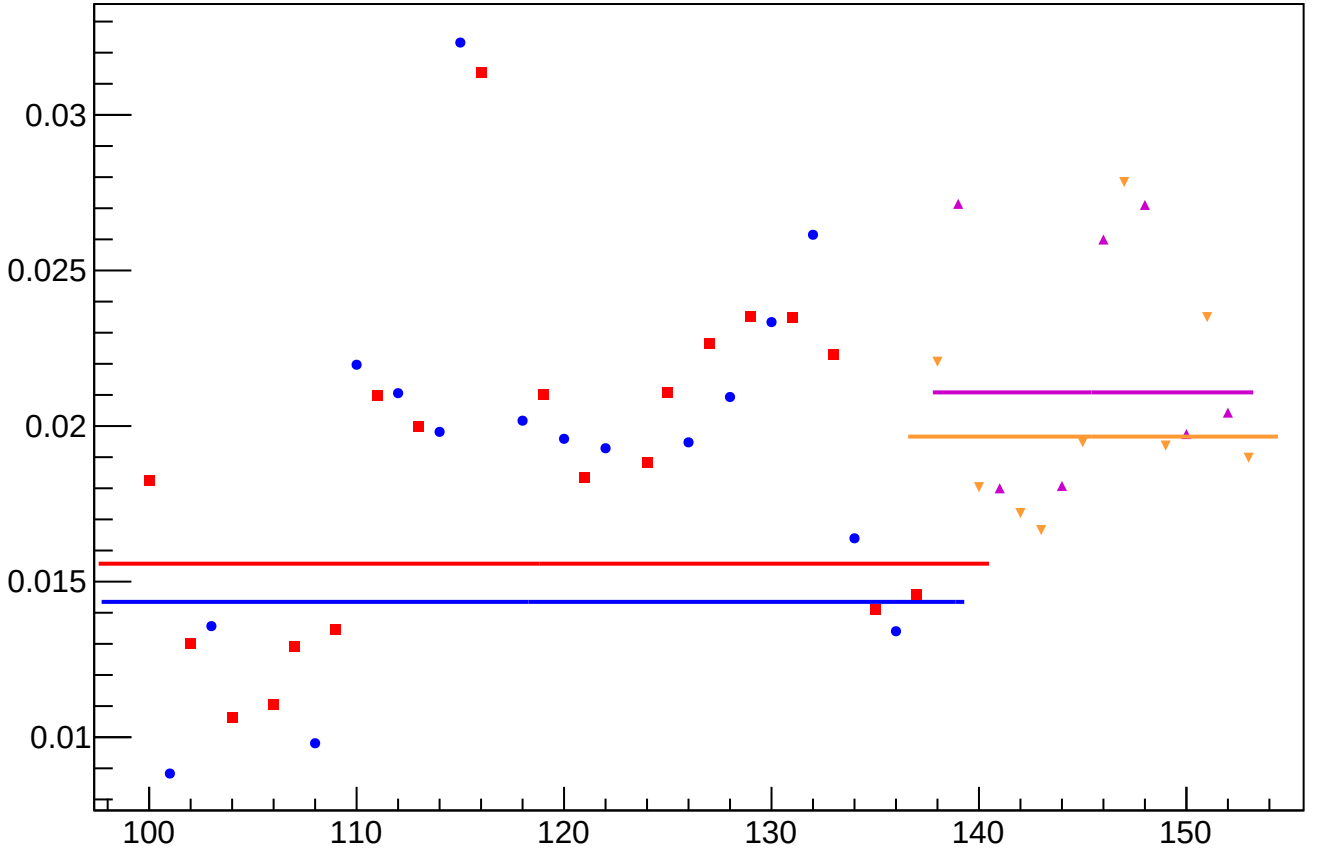
Right: 10.743+/-0.000 χ^2/NDF: 10228218714.9/34

In: 10.366+/-0.000 χ^2/NDF:18987298670.8/22

Out: 10.297+/-0.000 χ^2/NDF:19236080956.3/27

All: 10.331+/-0.000 χ^2/NDF: 38319473204.9

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1481790.8/15

Left Out: 0.020+/-0.000 χ^2/NDF:273844.8/8

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

Left In: 0.021+/-0.000 χ^2/NDF:319159.6/6

Left: 0.020+/-0.000 χ^2/NDF: 621319.8/15

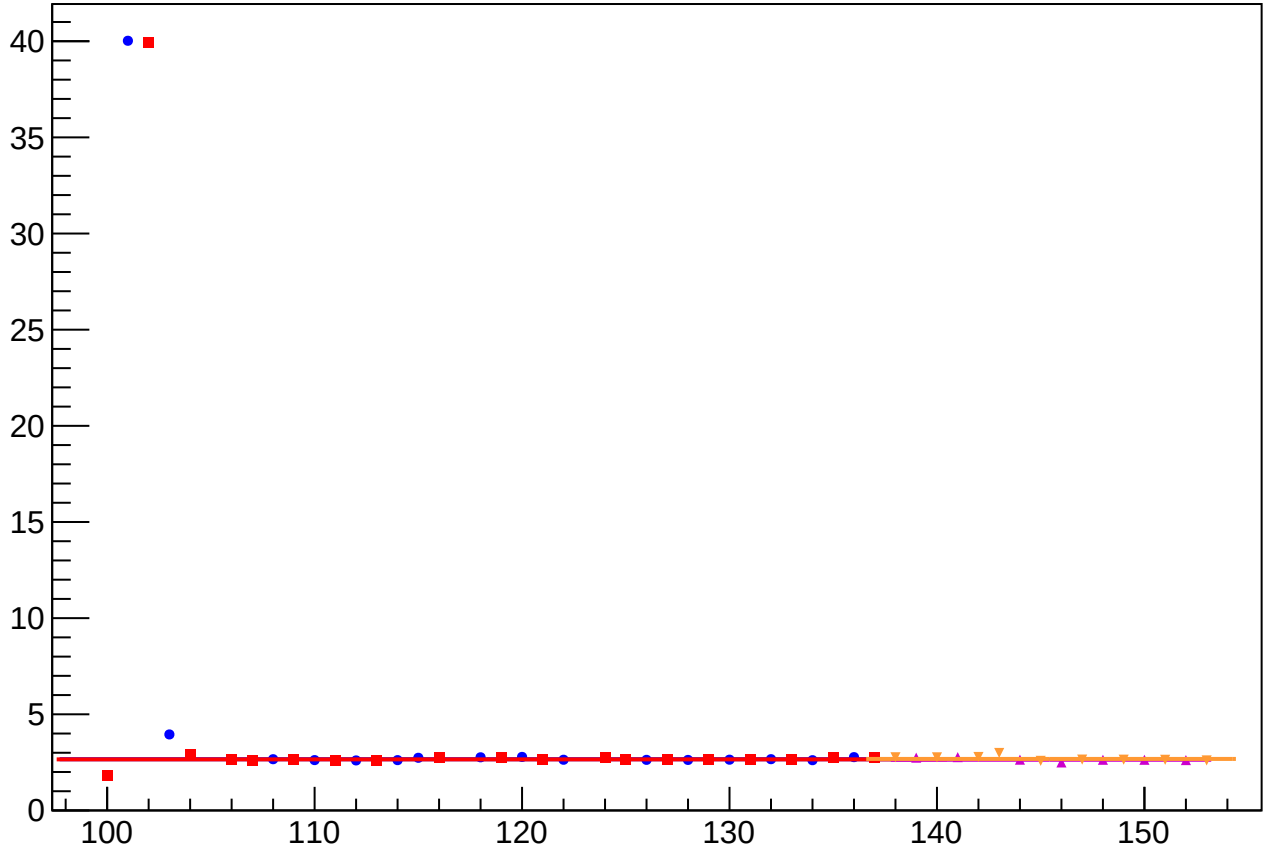
Right: 0.015+/-0.000 χ^2/NDF: 2593711.2/34

In: 0.016+/-0.000 χ^2/NDF:2574657.4/22

Out: 0.017+/-0.000 χ^2/NDF:1676404.8/27

All: 0.017+/-0.000 χ^2/NDF: 4272996.3/50

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.679+/-0.000 χ^2/NDF:15949482880.1/8

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

Left In: 2.635+/-0.000 χ^2/NDF:7349275156.1/6

Left: 2.658+/-0.000 χ^2/NDF: 24325431723.7/15

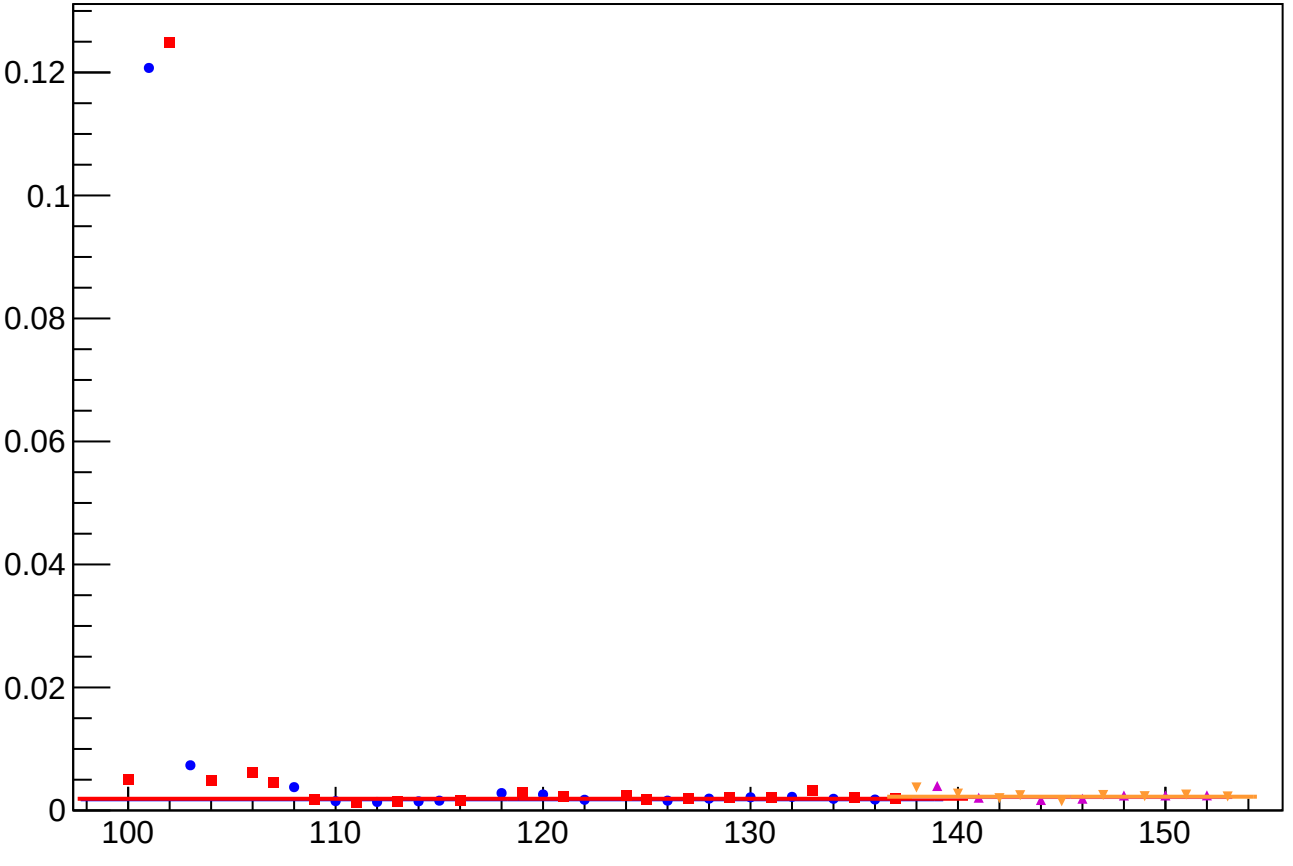
Right: 2.660+/-0.000 χ^2/NDF: 132934575870.3/34

In: 2.652+/-0.000 χ^2/NDF:75677883031.4/22

Out: 2.666+/-0.000 χ^2/NDF:81327387681.7/27

All: 2.659+/-0.000 χ^2/NDF: 157265327139.6

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 1822680.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:648007.4/8

Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.002+/-0.000 χ^2/NDF:517823.0/6

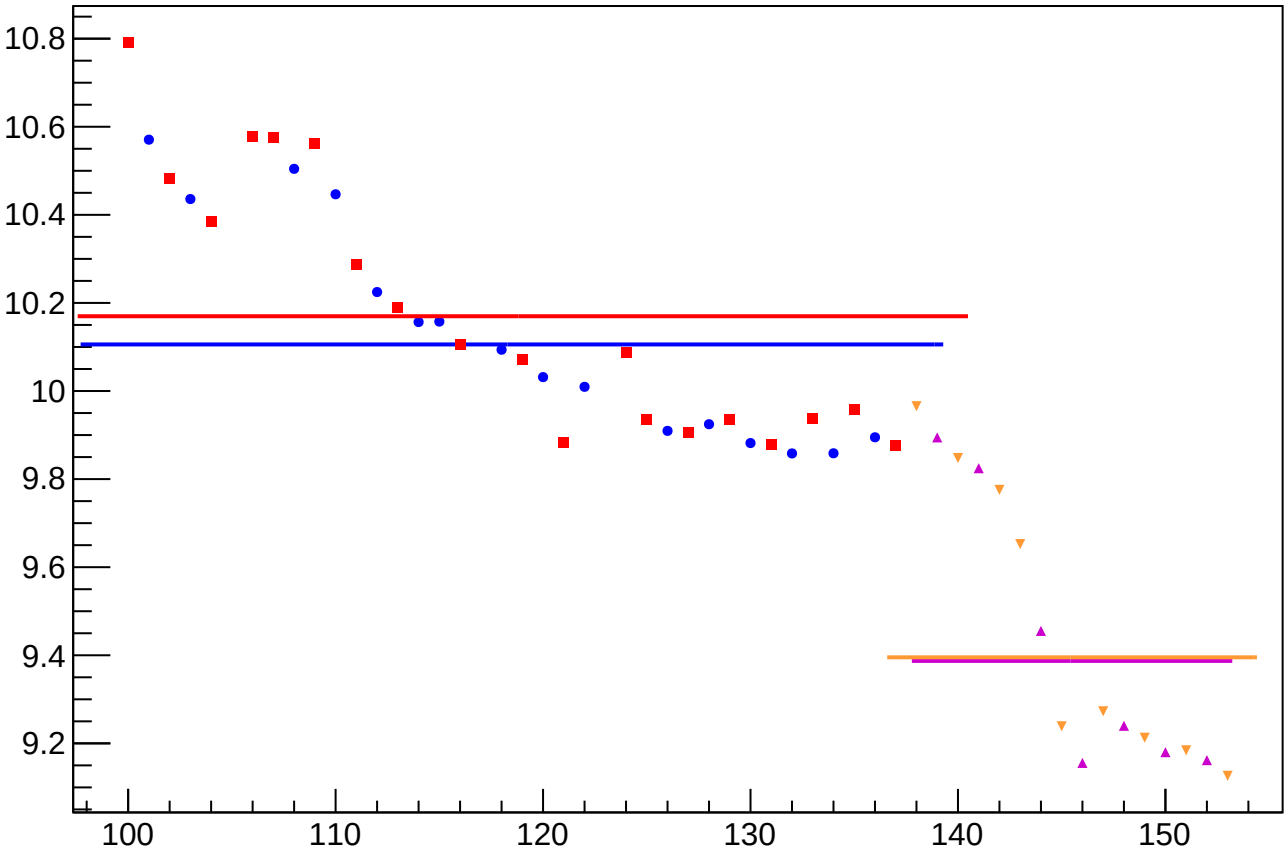
Left: 0.002+/-0.000 χ^2/NDF: 1168671.6/15

Right: 0.002+/-0.000 χ^2/NDF: 4358433.6/34

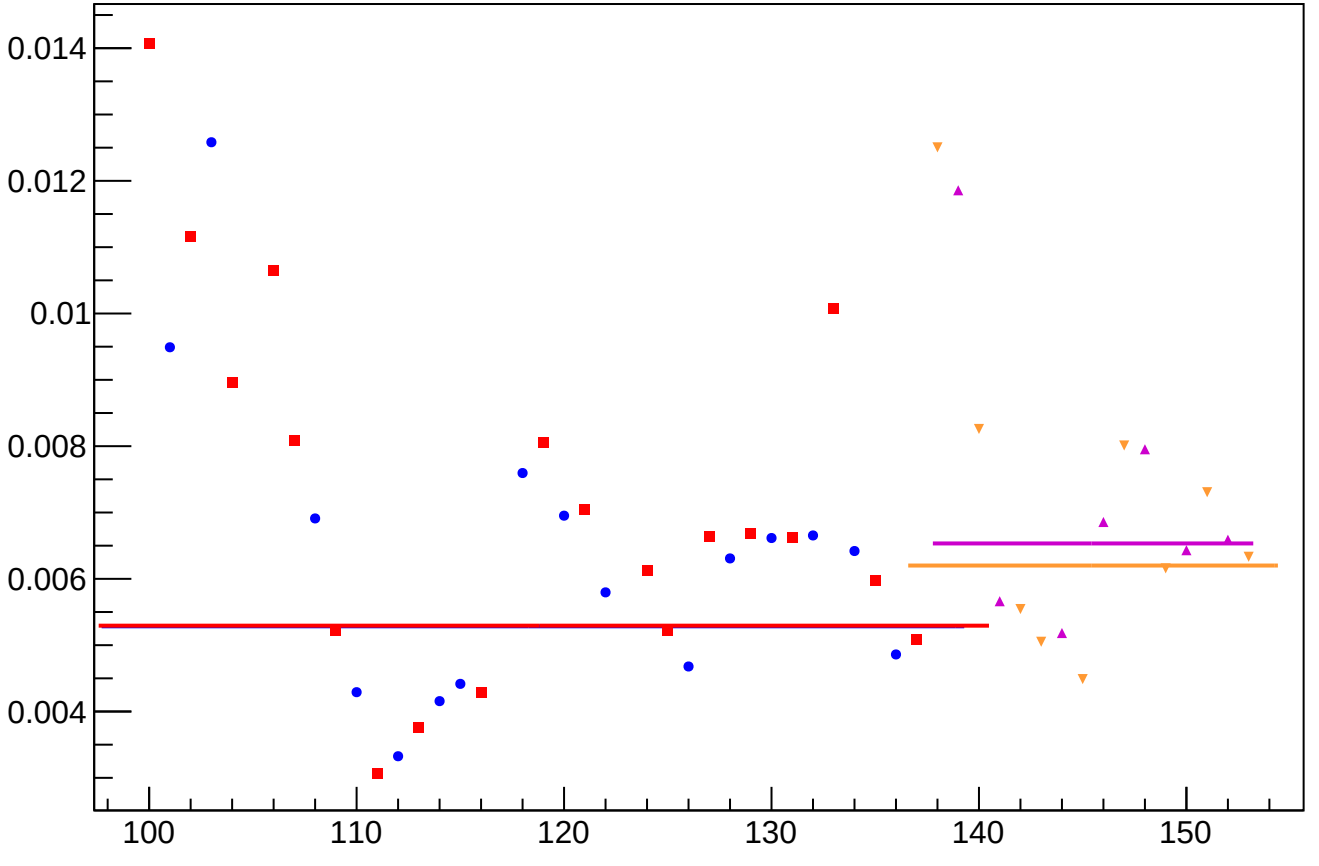
In: 0.002+/-0.000 χ^2/NDF:2501598.4/22

Out: 0.002+/-0.000 χ^2/NDF:3311741.7/27

All: 0.002+/-0.000 χ^2/NDF: 5829186.8/50


yield_sam8_mean vs Slug, Sign Corrected
10.8
10.6
10.4
10.2
10
9.8
9.6
9.4
9.2
100
110
120
130
140
150
Right In: 10.106+/-0.000 χ²/NDF: 9126550621.3/15
Left Out: 9.395+/-0.000 χ²/NDF:9791915694.2/8
Right Out: 10.170+/-0.000 χ²/NDF: 9135610954.1/18
Left In: 9.387+/-0.000 χ²/NDF:7992151814.0/6
Left: 9.392+/-0.000 χ²/NDF: 17788180577.2/15
Right: 10.138+/-0.000 χ²/NDF: 18662438112.6/34
In: 9.842+/-0.000 χ²/NDF:53771554124.9/22
Out: 9.850+/-0.000 χ²/NDF:67618325793.3/27
All: 9.846+/-0.000 χ²/NDF: 121401134477.8

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:780687.9/8

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

Left In: 0.007+/-0.000 χ^2/NDF:486010.0/6

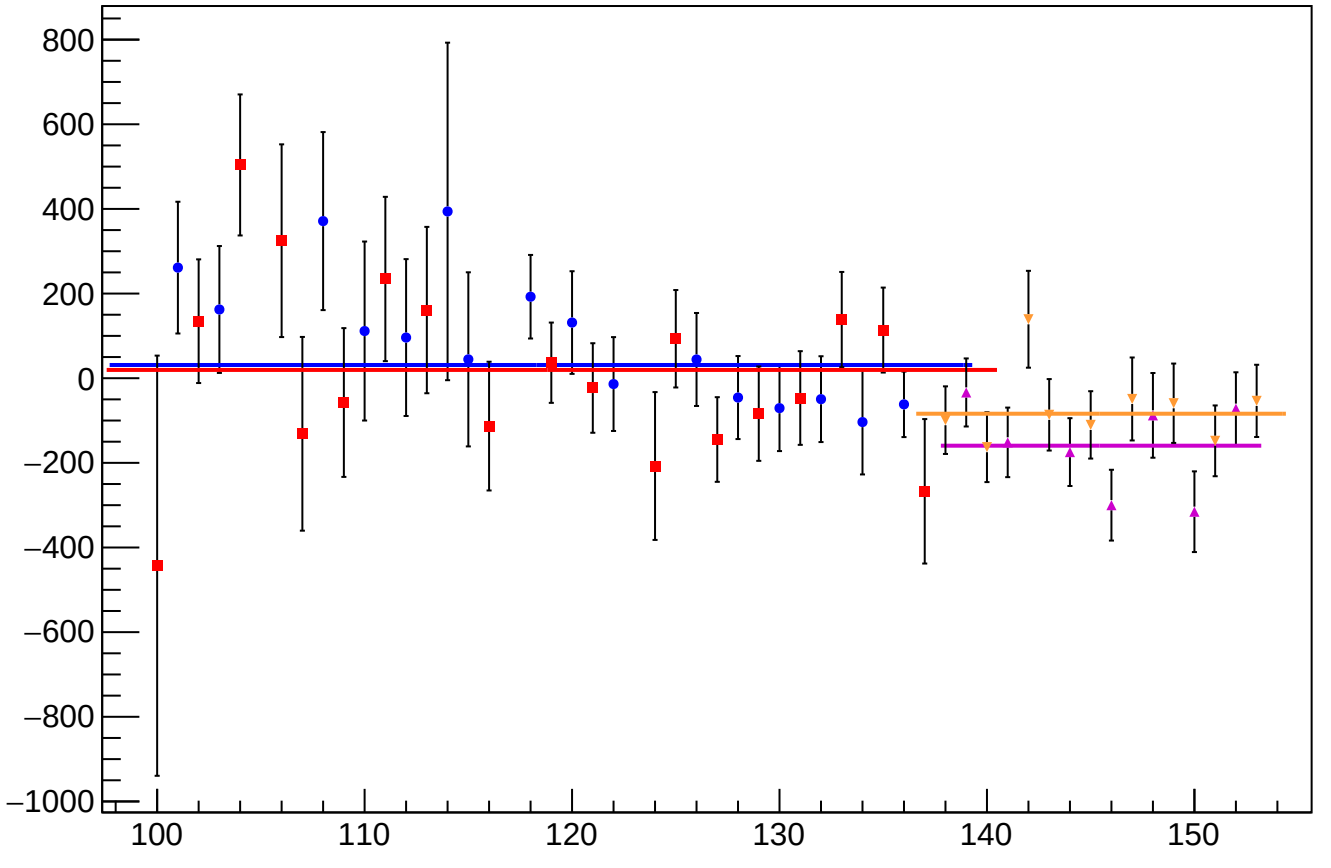
Left: 0.006+/-0.000 χ^2/NDF: 1280430.9/15

Right: 0.005+/-0.000 χ^2/NDF: 3066401.4/34

In: 0.006+/-0.000 χ^2/NDF:1981691.8/22

Out: 0.006+/-0.000 χ^2/NDF:2706393.9/27

All: 0.006+/-0.000 χ^2/NDF: 4689887.5/50



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -83.908+/-29.158 χ^2/NDF:5.8/8

Right Out: 19.573+/-31.059 χ^2/NDF: 25.9/18

Left In: -159.449+/-32.505 χ^2/NDF:9.5/6

Left: -117.590+/-21.705 χ^2/NDF: 18.3/15

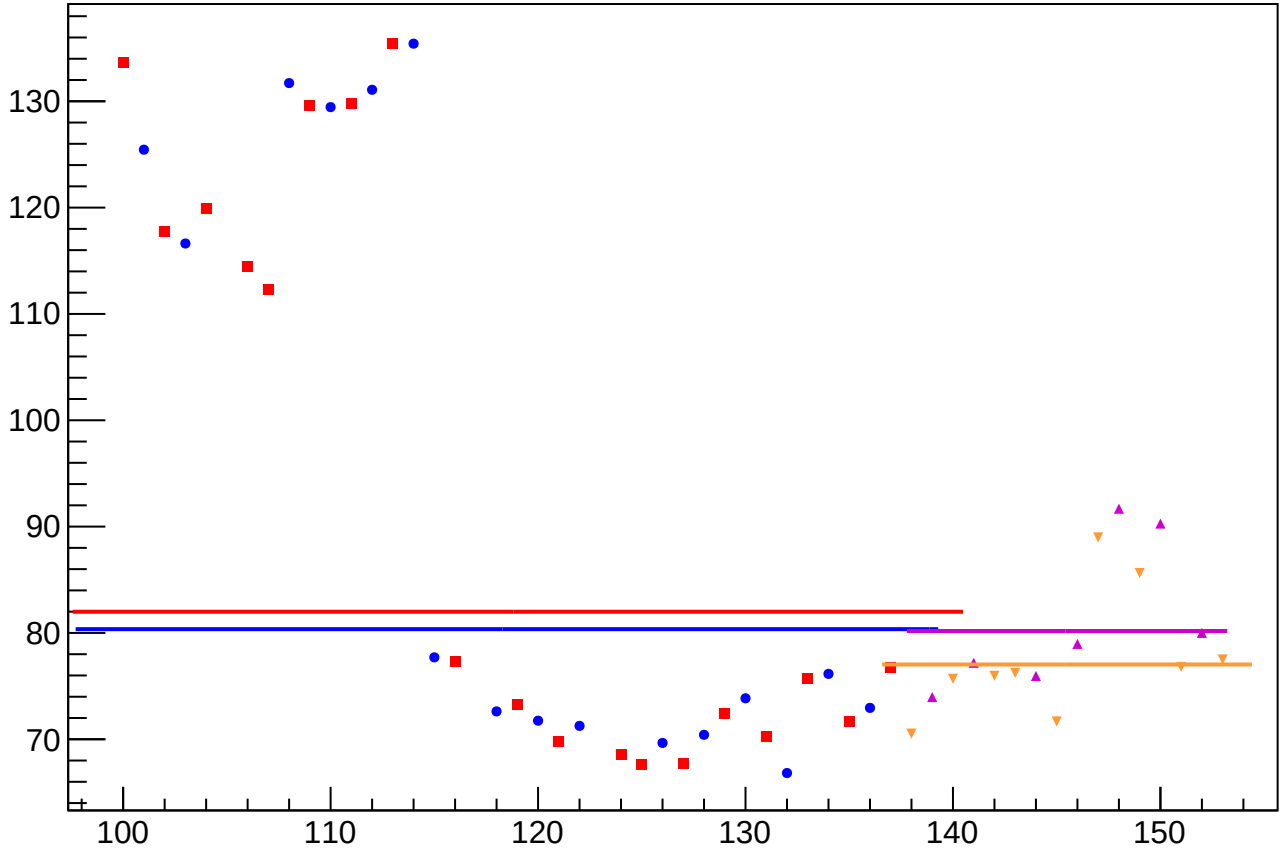
Right: 25.463+/-21.865 χ^2/NDF: 41.1/34

In: -58.924+/-22.352 χ^2/NDF:42.8/22

Out: -35.430+/-21.258 χ^2/NDF:37.6/27

All: -46.588+/-15.404 χ^2/NDF: 80.9/50

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 77.033+/-0.021 χ^2/NDF:69836.4/8

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

Left In: 80.183+/-0.023 χ^2/NDF:69435.9/6

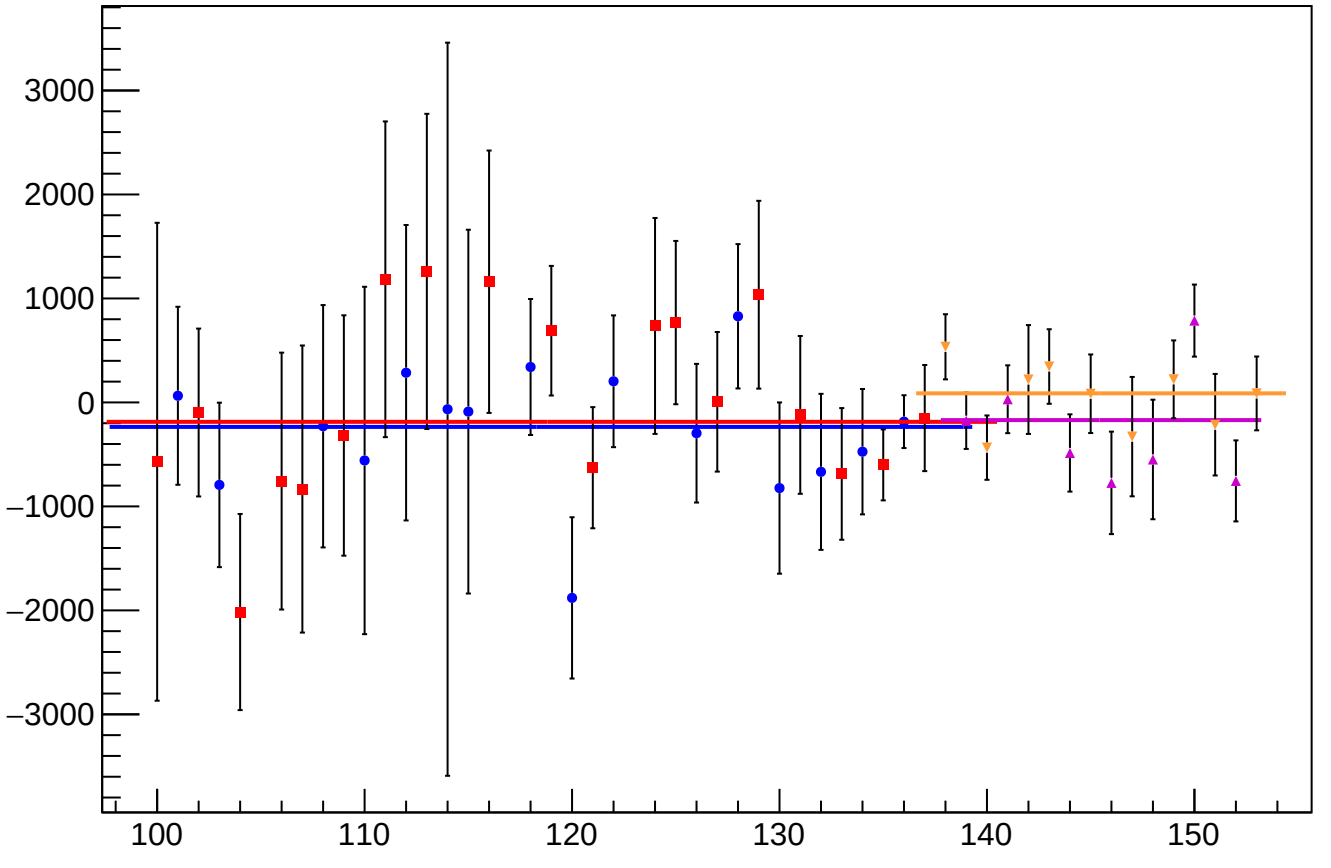
Left: 78.437+/-0.015 χ^2/NDF: 149680.7/15

Right: 81.166+/-0.015 χ^2/NDF: 1775186.5/34

In: 80.273+/-0.016 χ^2/NDF:909504.6/22

Out: 79.356+/-0.015 χ^2/NDF:1029287.4/27

All: 79.792+/-0.011 χ^2/NDF: 1940558.0/50



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 87.416+/-127.646 χ^2/NDF:6.5/8

Right Out: -186.618+/-170.394 χ^2/NDF: 16.0/18

Left In: -170.090+/-138.238 χ^2/NDF:12.9/6

Left: -31.095+/-93.781 χ^2/NDF: 21.3/15

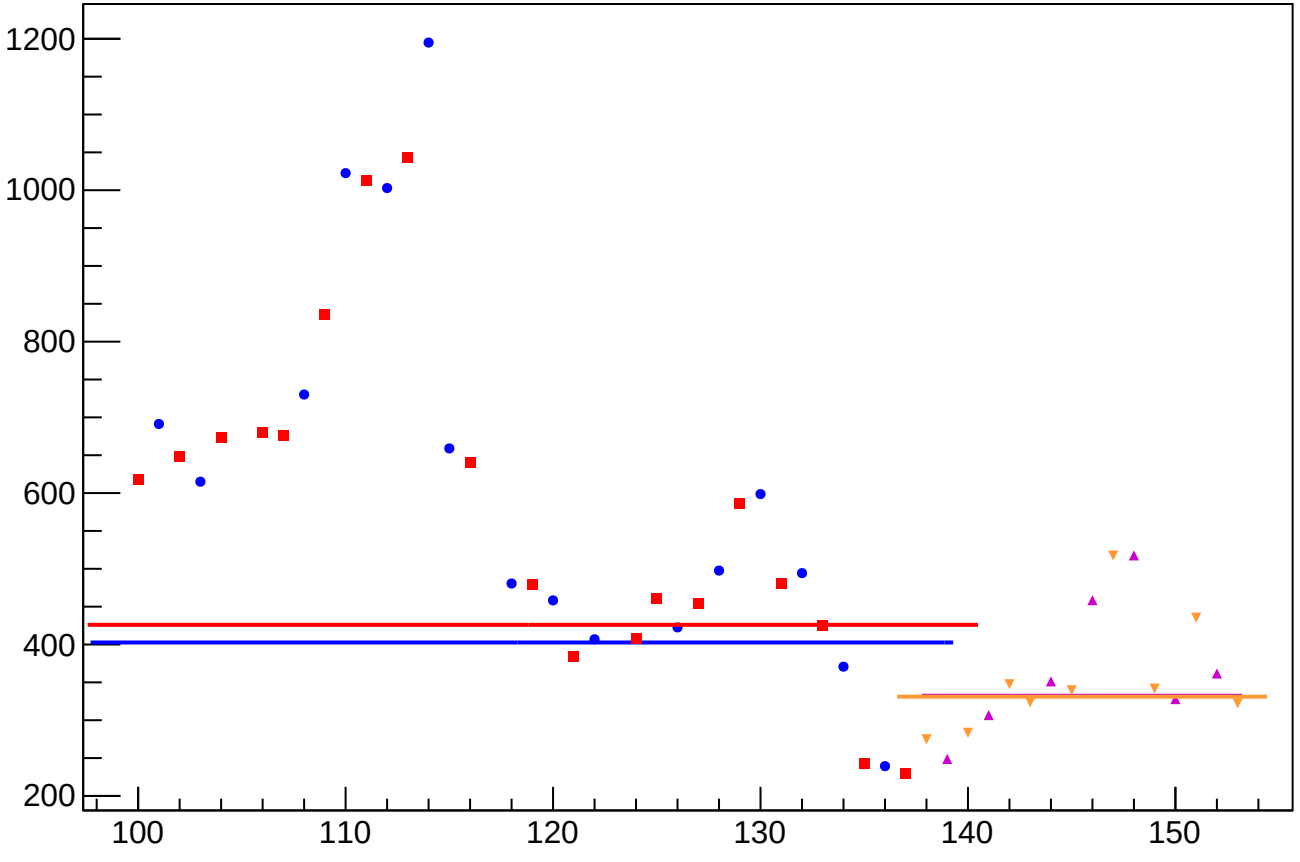
Right: -212.039+/-118.073 χ^2/NDF: 25.9/34

In: -197.314+/-105.635 χ^2/NDF:23.0/22

Out: -11.088+/-102.160 χ^2/NDF:24.1/27

All: -101.088+/-73.436 χ^2/NDF: 48.7/50

asym_sam1_reg_correction_rms vs Slug, Sign Corrected



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 331.079+/-0.090 χ^2/NDF:420929.3/8

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

Left In: 332.285+/-0.098 χ^2/NDF:558197.5/6

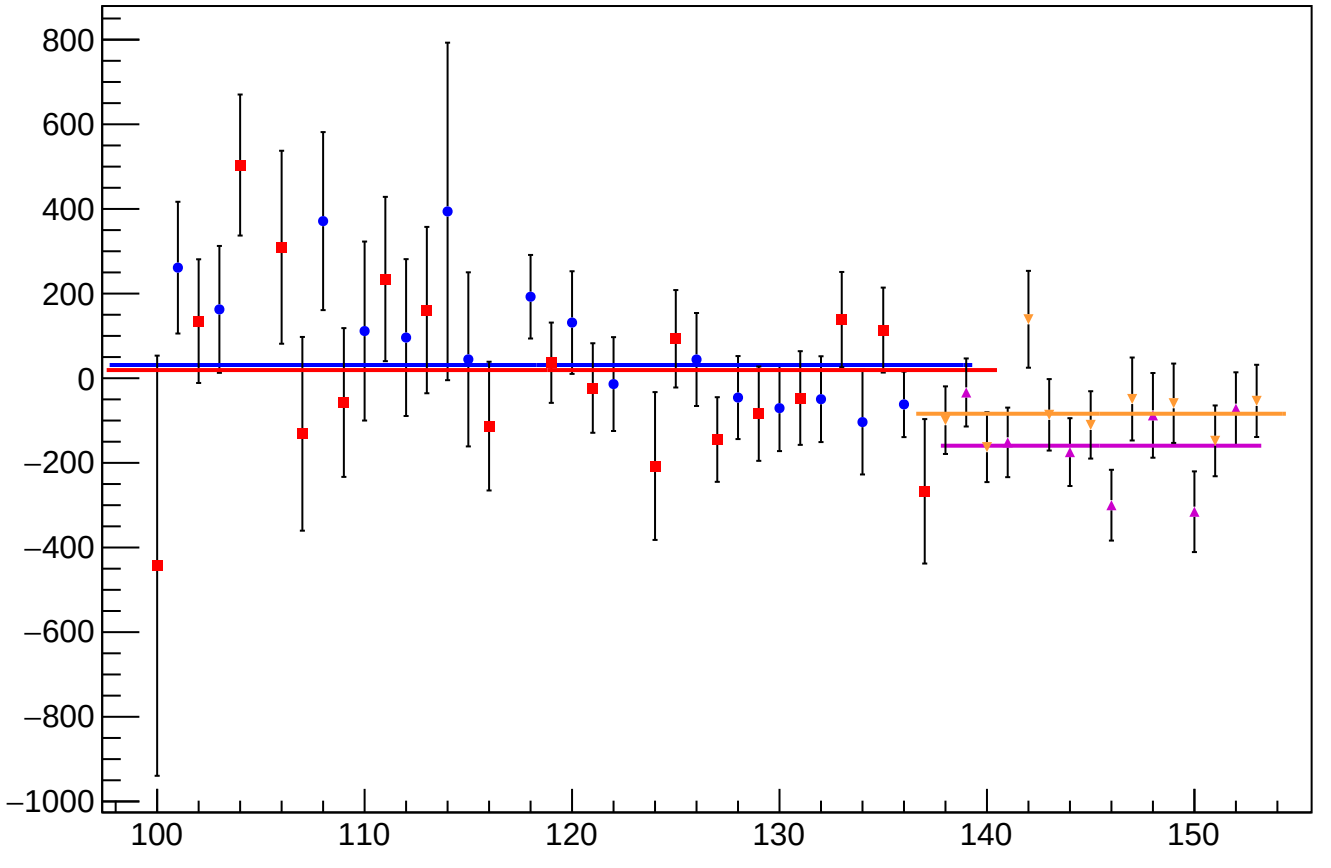
Left: 331.634+/-0.066 χ^2/NDF: 979208.9/15

Right: 413.856+/-0.083 χ^2/NDF: 4748361.6/34

In: 361.565+/-0.075 χ^2/NDF:3133944.4/22

Out: 365.192+/-0.072 χ^2/NDF:3187099.5/27

All: 363.439+/-0.052 χ^2/NDF: 6322262.4/50



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -83.908+/-29.158 χ^2/NDF:5.8/8

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -159.450+/-32.505 χ^2/NDF:9.5/6

Left: -117.590+/-21.705 χ^2/NDF: 18.3/15

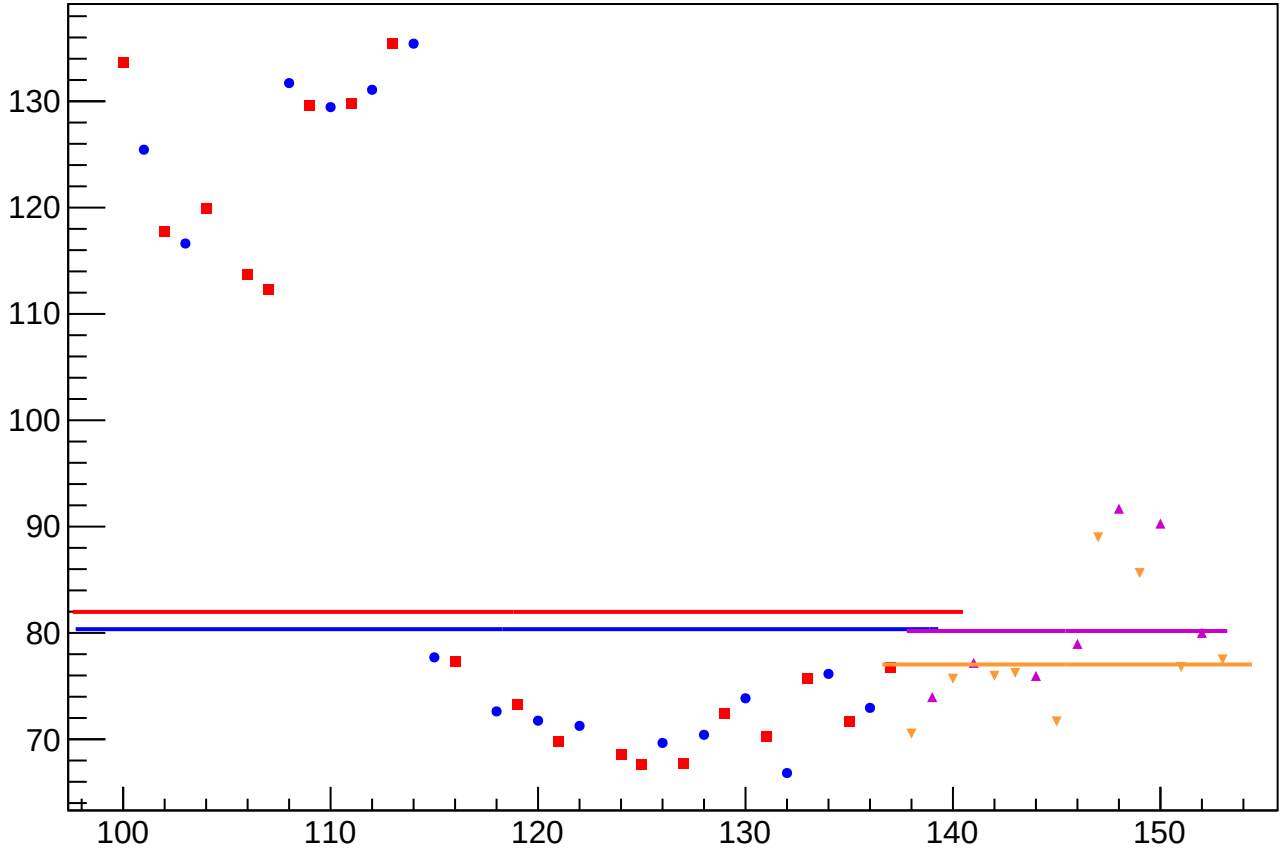
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -58.919+/-22.352 χ^2/NDF:42.8/22

Out: -35.569+/-21.258 χ^2/NDF:37.4/27

All: -46.659+/-15.404 χ^2/NDF: 80.7/50

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 77.033+/-0.021 χ^2/NDF:69836.4/8

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 80.183+/-0.023 χ^2/NDF:69435.9/6

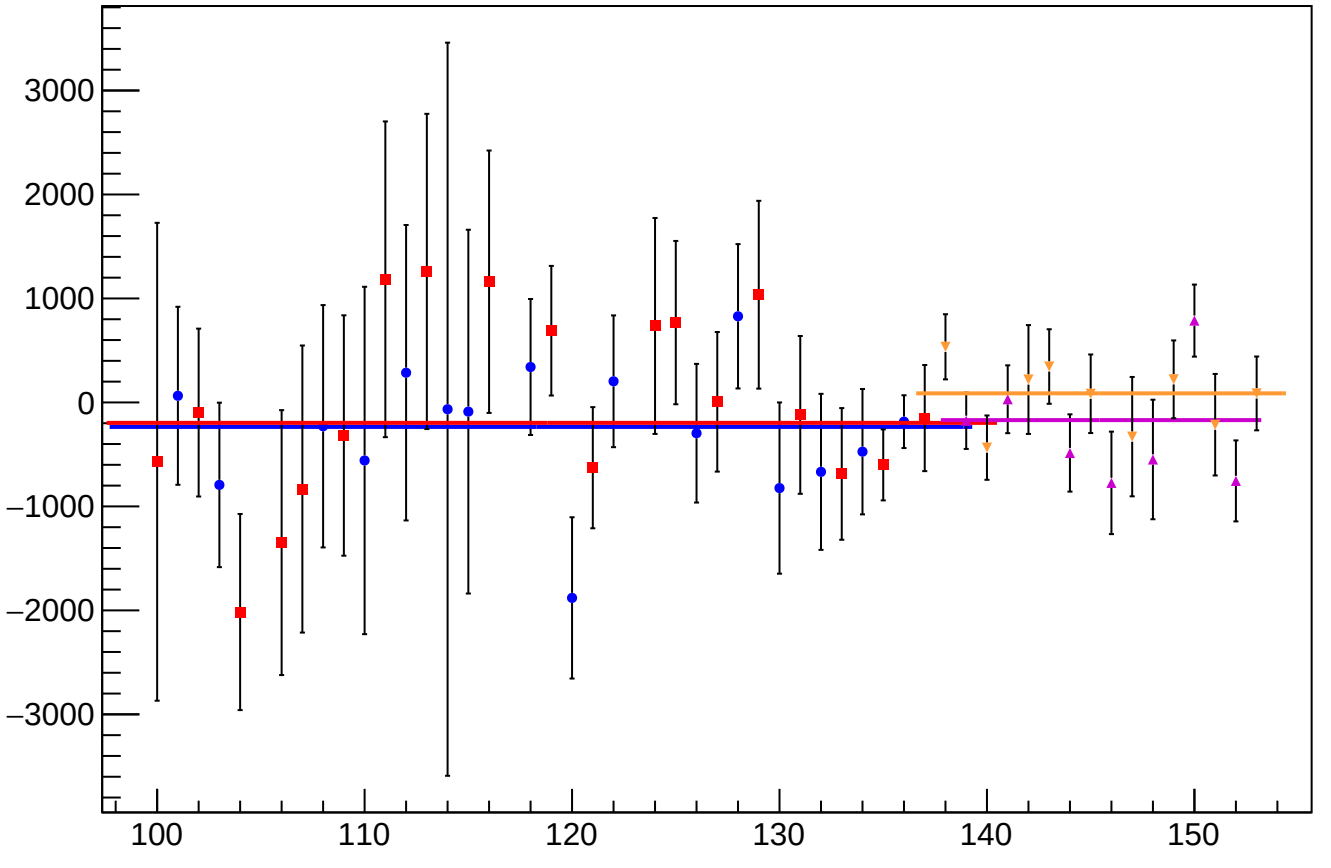
Left: 78.437+/-0.015 χ^2/NDF: 149680.7/15

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 80.273+/-0.016 χ^2/NDF:909504.8/22

Out: 79.349+/-0.015 χ^2/NDF:1027251.1/27

All: 79.788+/-0.011 χ^2/NDF: 1938549.4/50



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 87.416+/-127.646 χ^2/NDF:6.5/8

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: -170.090+/-138.238 χ^2/NDF:12.9/6

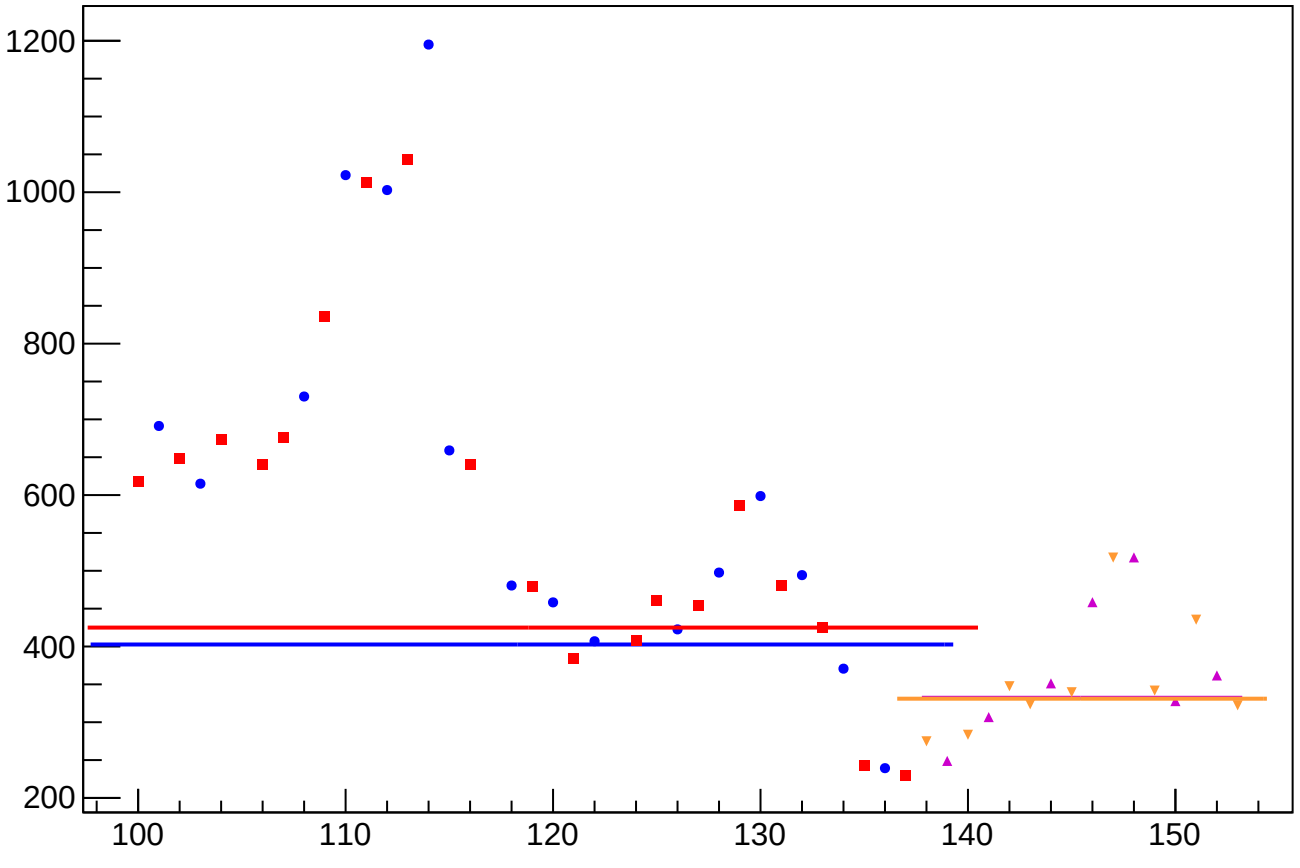
Left: -31.095+/-93.781 χ^2/NDF: 21.3/15

Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -197.313+/-105.635 χ^2/NDF:23.0/22

Out: -14.594+/-102.181 χ^2/NDF:24.9/27

All: -102.918+/-73.443 χ^2/NDF: 49.4/50



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 331.079+/-0.090 χ^2/NDF:420934.7/8

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 332.285+/-0.098 χ^2/NDF:558198.8/6

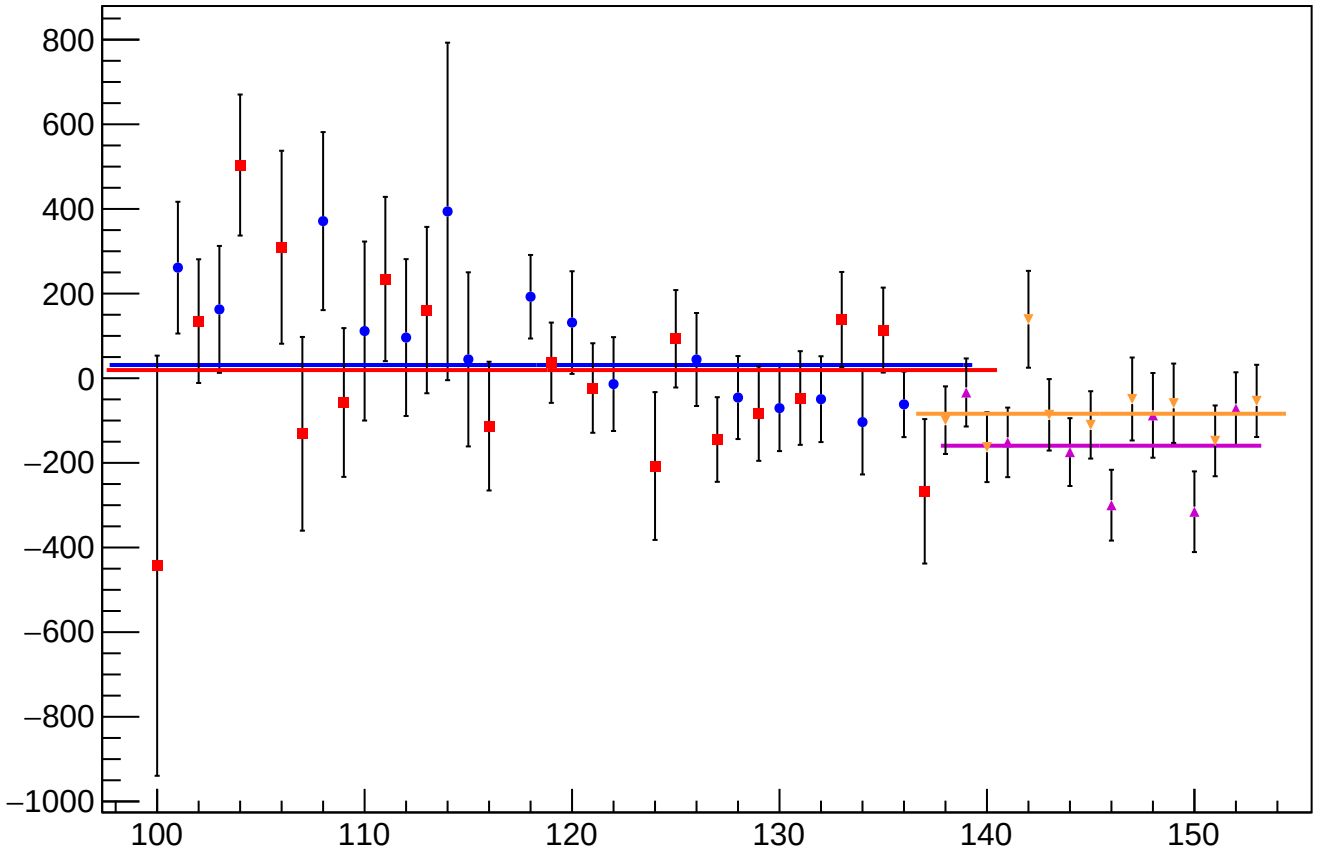
Left: 331.634+/-0.066 χ^2/NDF: 979215.6/15

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 361.565+/-0.075 χ^2/NDF:3133940.8/22

Out: 364.811+/-0.072 χ^2/NDF:3150791.1/27

All: 363.242+/-0.052 χ^2/NDF: 6285707.2/50



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -83.908+/-29.158 χ^2/NDF:5.8/8

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -159.450+/-32.505 χ^2/NDF:9.5/6

Left: -117.590+/-21.705 χ^2/NDF: 18.3/15

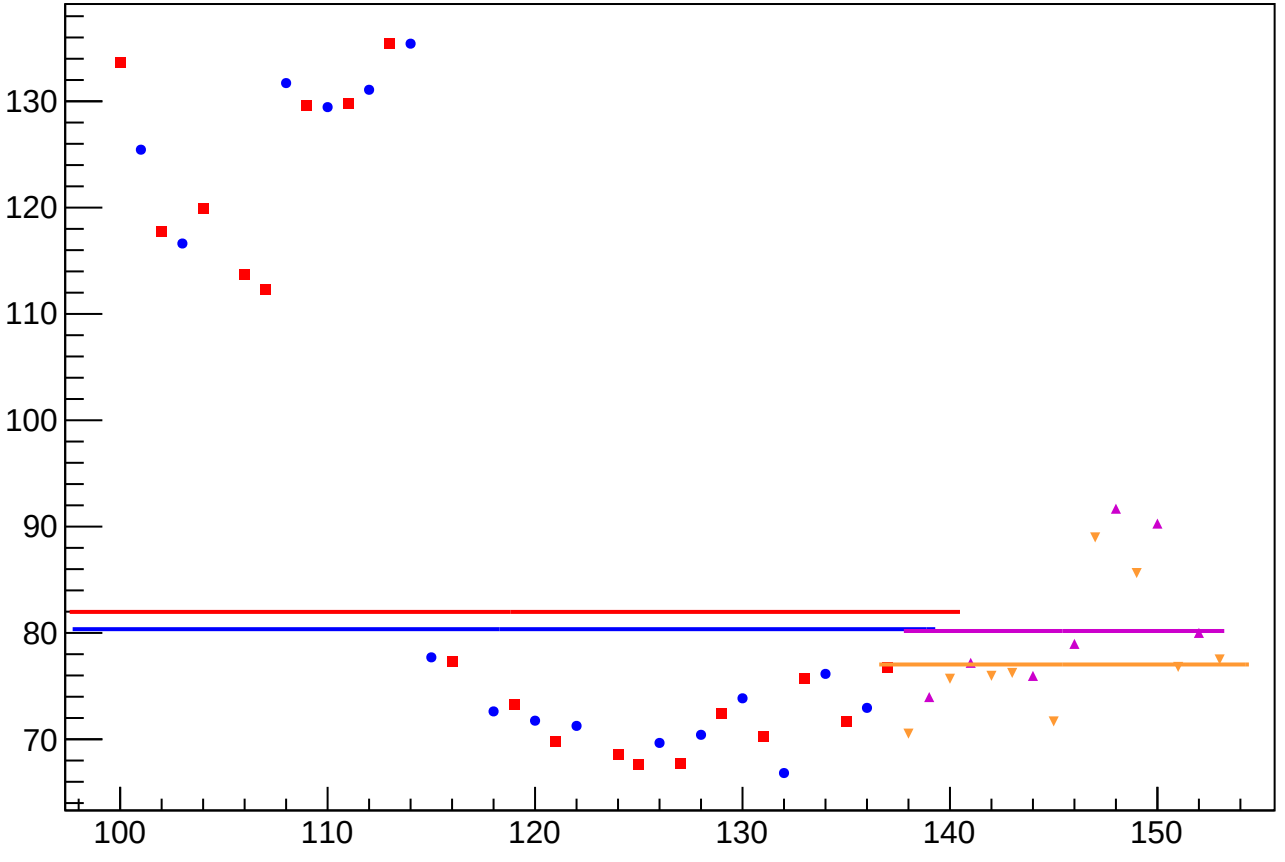
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -58.919+/-22.352 χ^2/NDF:42.8/22

Out: -35.569+/-21.258 χ^2/NDF:37.4/27

All: -46.659+/-15.404 χ^2/NDF: 80.7/50

eigen_cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 77.033+/-0.021 χ^2/NDF:69836.4/8

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 80.183+/-0.023 χ^2/NDF:69435.9/6

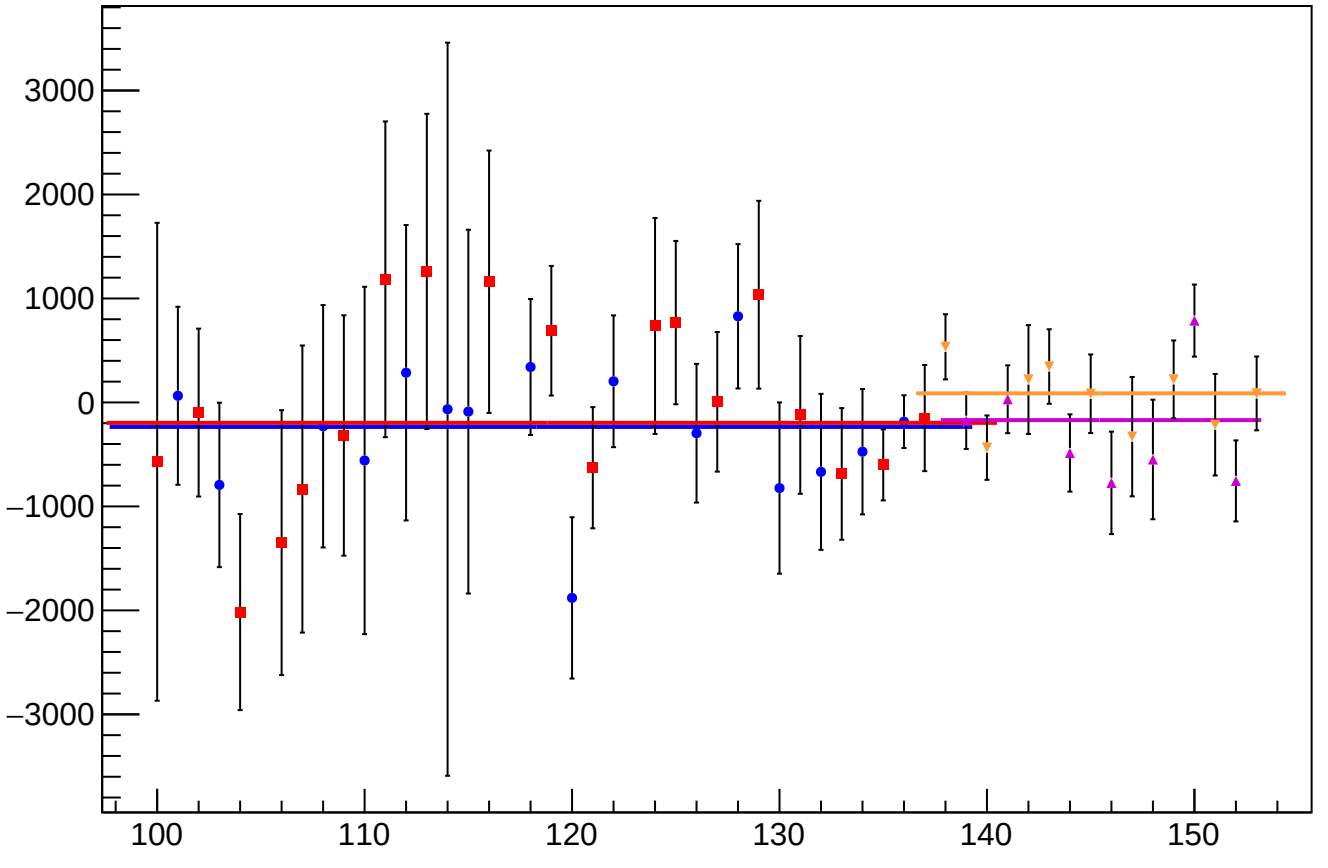
Left: 78.437+/-0.015 χ^2/NDF: 149680.7/15

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 80.273+/-0.016 χ^2/NDF:909504.8/22

Out: 79.349+/-0.015 χ^2/NDF:1027251.1/27

All: 79.788+/-0.011 χ^2/NDF: 1938549.4/50



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 87.416+/-127.646 χ^2/NDF:6.5/8

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: -170.090+/-138.238 χ^2/NDF:12.9/6

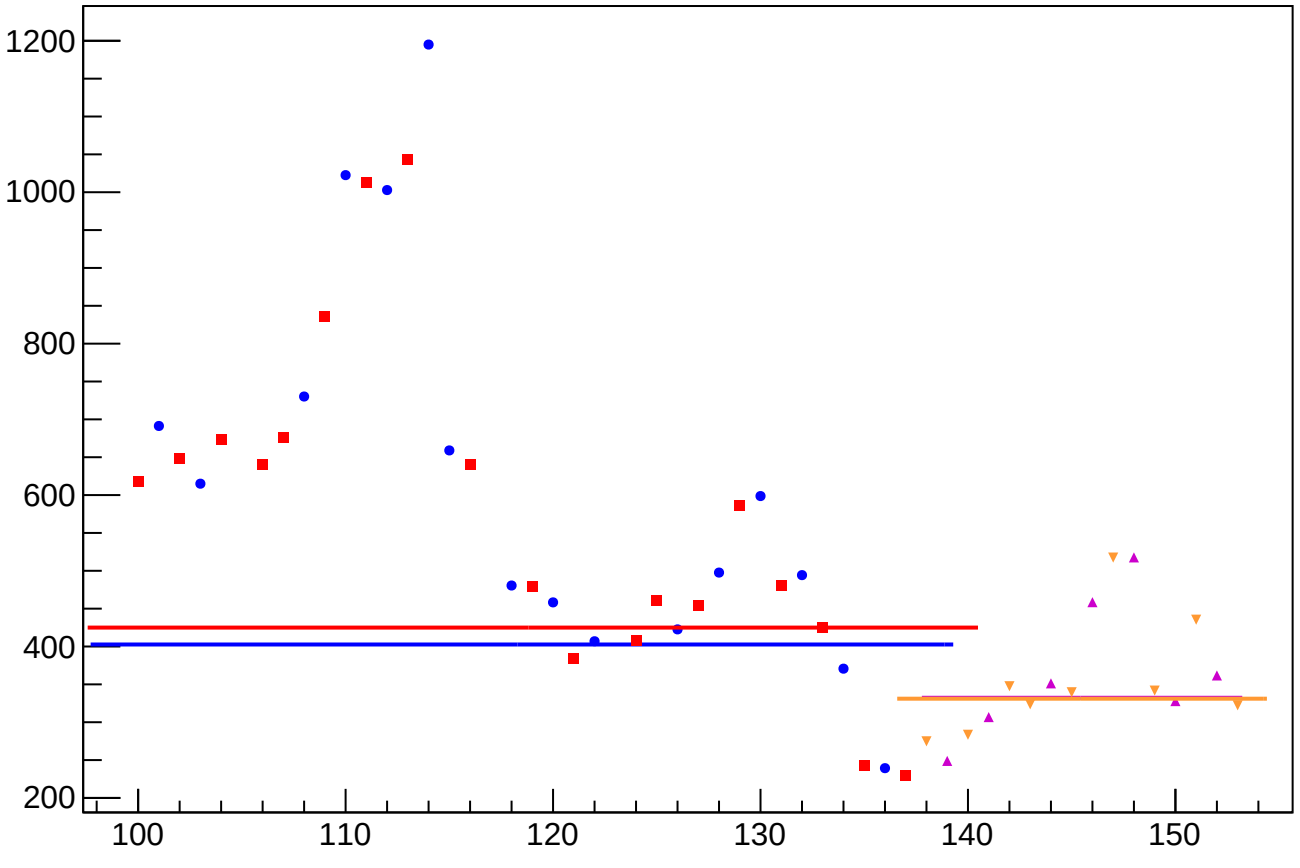
Left: -31.095+/-93.781 χ^2/NDF: 21.3/15

Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -197.313+/-105.635 χ^2/NDF:23.0/22

Out: -14.594+/-102.181 χ^2/NDF:24.9/27

All: -102.918+/-73.443 χ^2/NDF: 49.4/50



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 331.079+/-0.090 χ^2/NDF:420934.7/8

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 332.285+/-0.098 χ^2/NDF:558198.8/6

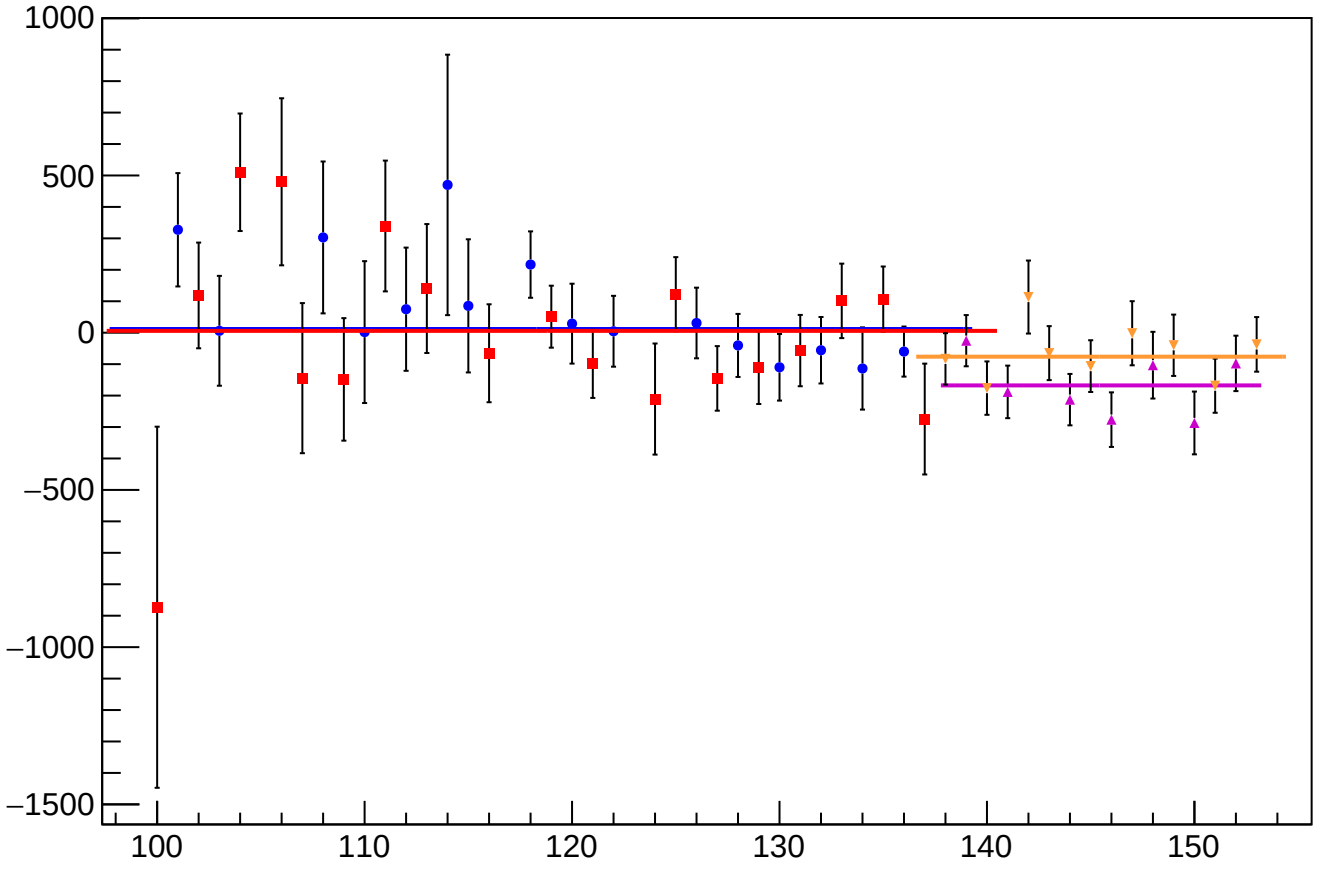
Left: 331.634+/-0.066 χ^2/NDF: 979215.6/15

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 361.565+/-0.075 χ^2/NDF:3133940.8/22

Out: 364.811+/-0.072 χ^2/NDF:3150791.1/27

All: 363.242+/-0.052 χ^2/NDF: 6285707.2/50



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -76.284+/-29.954 χ^2/NDF:6.2/8

Right Out: 5.817+/-32.444 χ^2/NDF: 28.8/18

Left In: -167.616+/-33.439 χ^2/NDF:7.4/6

Left: -116.945+/-22.312 χ^2/NDF: 17.8/15

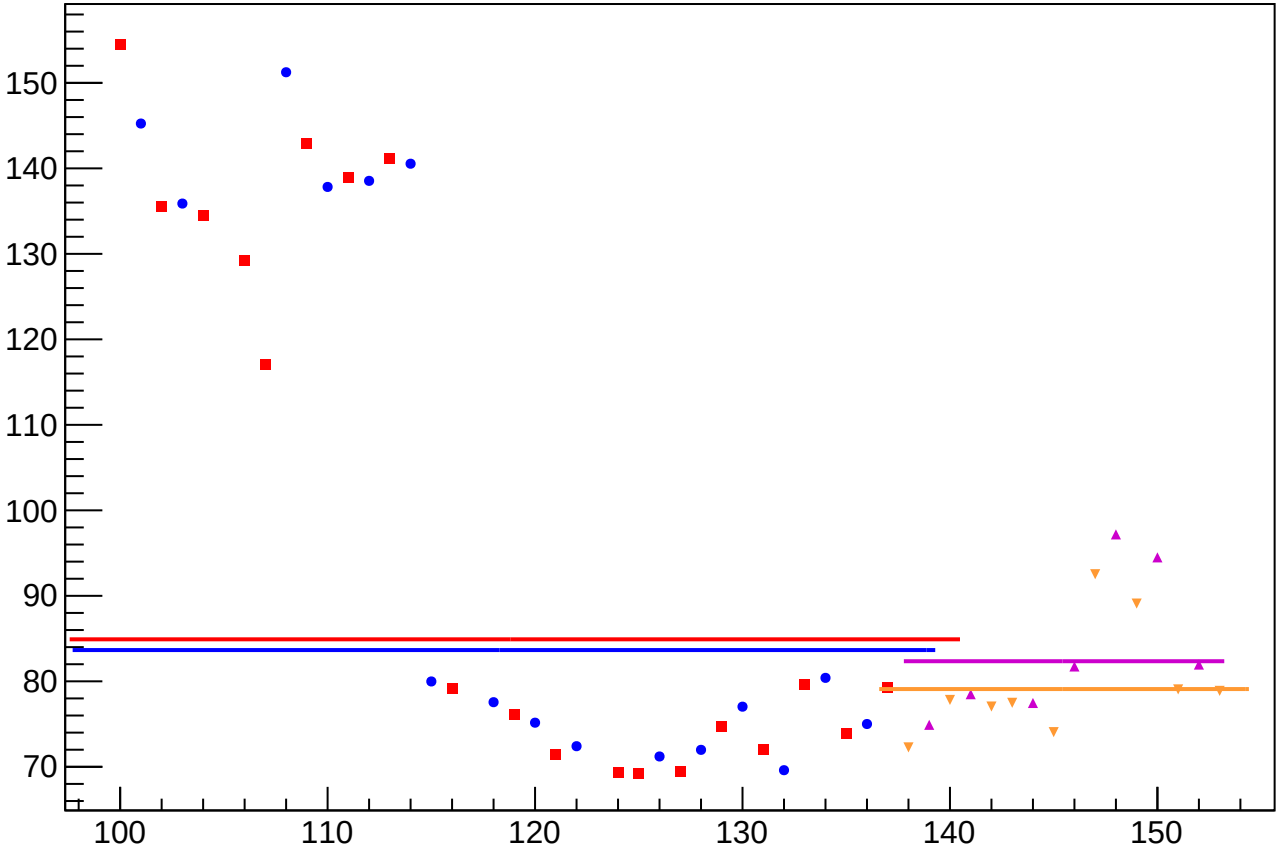
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -74.869+/-23.231 χ^2/NDF:35.8/22

Out: -38.504+/-22.008 χ^2/NDF:38.5/27

All: -55.705+/-15.977 χ^2/NDF: 75.6/50

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 79.096+/-0.021 χ^2/NDF:78925.3/8

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

Left In: 82.351+/-0.024 χ^2/NDF:96957.6/6

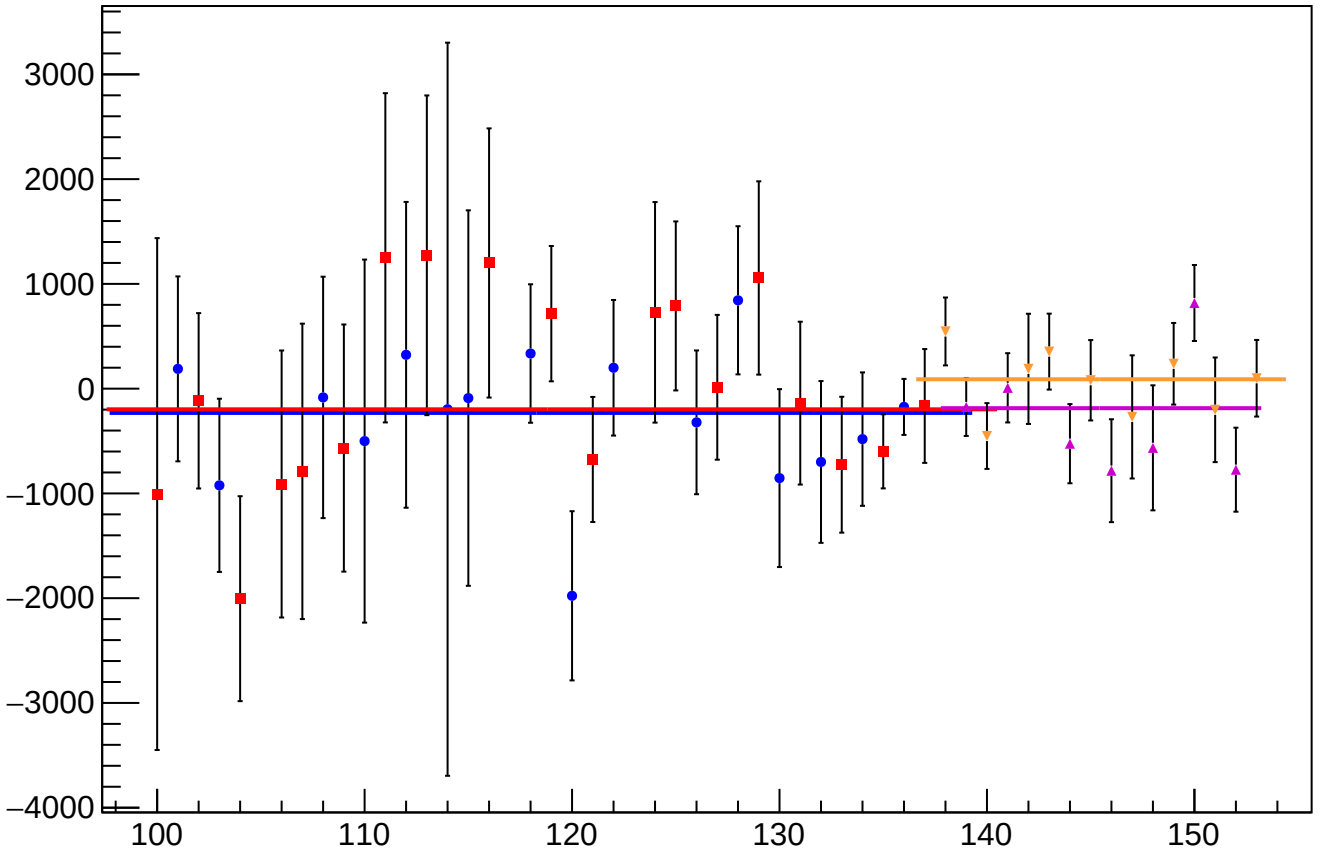
Left: 80.545+/-0.016 χ^2/NDF: 186401.8/15

Right: 84.282+/-0.016 χ^2/NDF: 2157969.4/34

In: 83.027+/-0.016 χ^2/NDF:1133329.5/22

Out: 81.773+/-0.016 χ^2/NDF:1235305.8/27

All: 82.366+/-0.011 χ^2/NDF: 2371708.0/50



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 89.485+/-130.574 χ^2/NDF:6.4/8

Right Out: -197.206+/-176.091 χ^2/NDF: 15.9/18

Left In: -186.370+/-141.431 χ^2/NDF:12.8/6

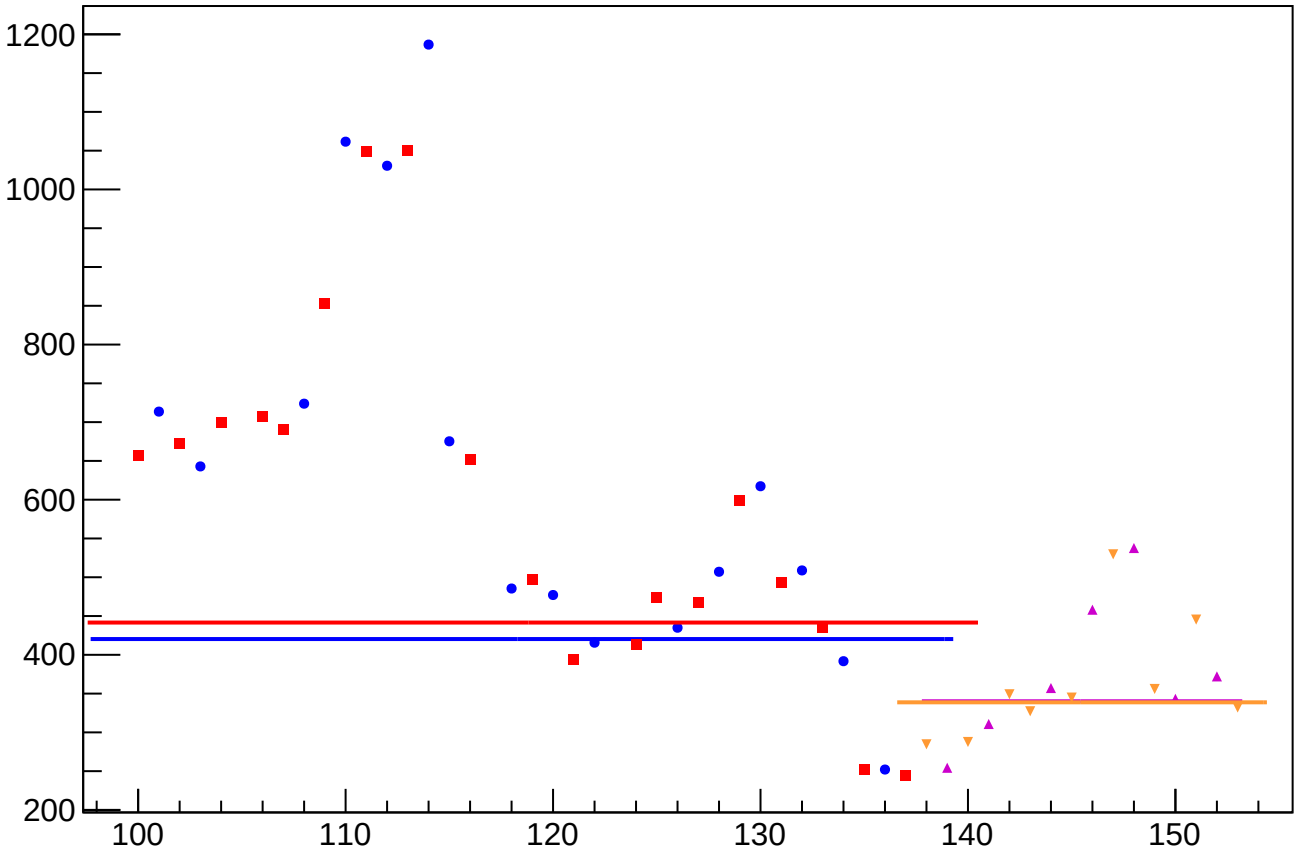
Left: -37.448+/-95.939 χ^2/NDF: 21.3/15

Right: -214.895+/-122.354 χ^2/NDF: 26.3/34

In: -204.774+/-108.759 χ^2/NDF:23.3/22

Out: -12.225+/-104.885 χ^2/NDF:24.0/27

All: -105.009+/-75.497 χ^2/NDF: 48.9/50



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 338.751+/-0.092 χ^2/NDF:418796.4/8

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

Left In: 340.105+/-0.100 χ^2/NDF:559545.6/6

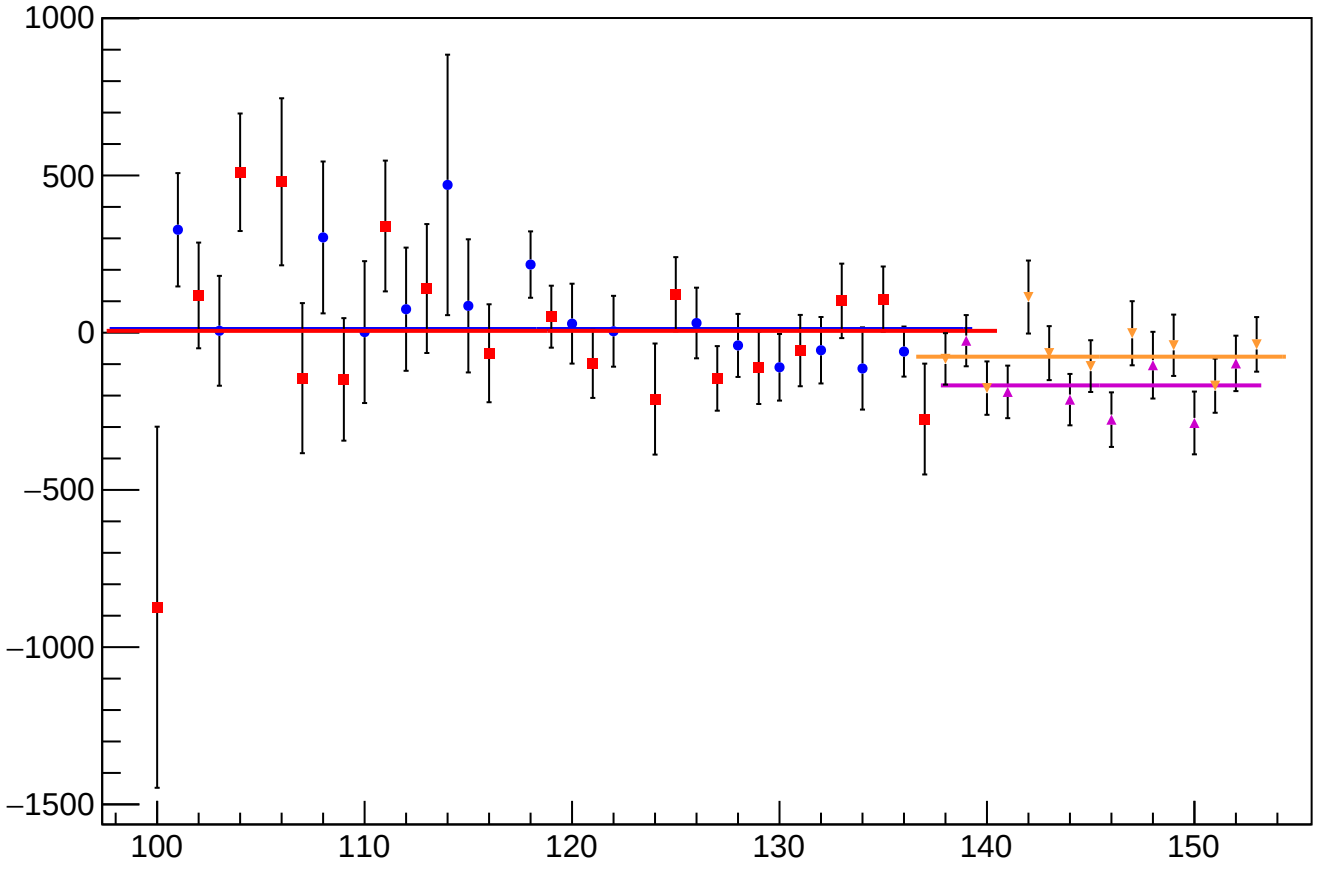
Left: 339.374+/-0.068 χ^2/NDF: 978441.1/15

Right: 430.598+/-0.087 χ^2/NDF: 4577288.4/34

In: 372.889+/-0.077 χ^2/NDF:3077123.5/22

Out: 375.238+/-0.074 χ^2/NDF:3166582.2/27

All: 374.106+/-0.053 χ^2/NDF: 6244189.1/50



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -76.285+/-29.954 χ^2/NDF:6.2/8

Right Out: 5.816+/-32.444 χ^2/NDF: 28.8/18

Left In: -167.616+/-33.439 χ^2/NDF:7.4/6

Left: -116.945+/-22.312 χ^2/NDF: 17.8/15

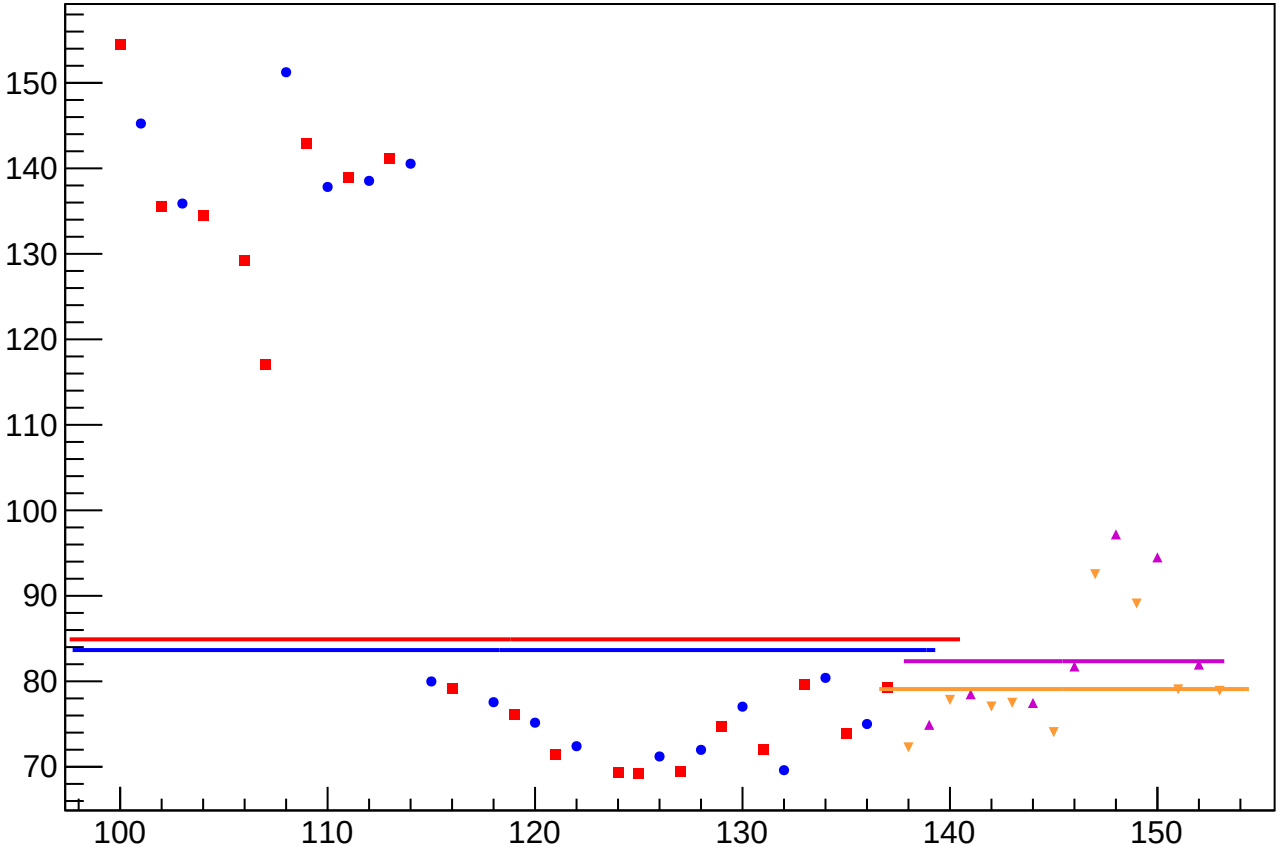
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -74.869+/-23.231 χ^2/NDF:35.8/22

Out: -38.504+/-22.008 χ^2/NDF:38.5/27

All: -55.705+/-15.977 χ^2/NDF: 75.6/50

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 79.096+/-0.021 χ^2/NDF:78924.8/8

Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 82.351+/-0.024 χ^2/NDF:96956.8/6

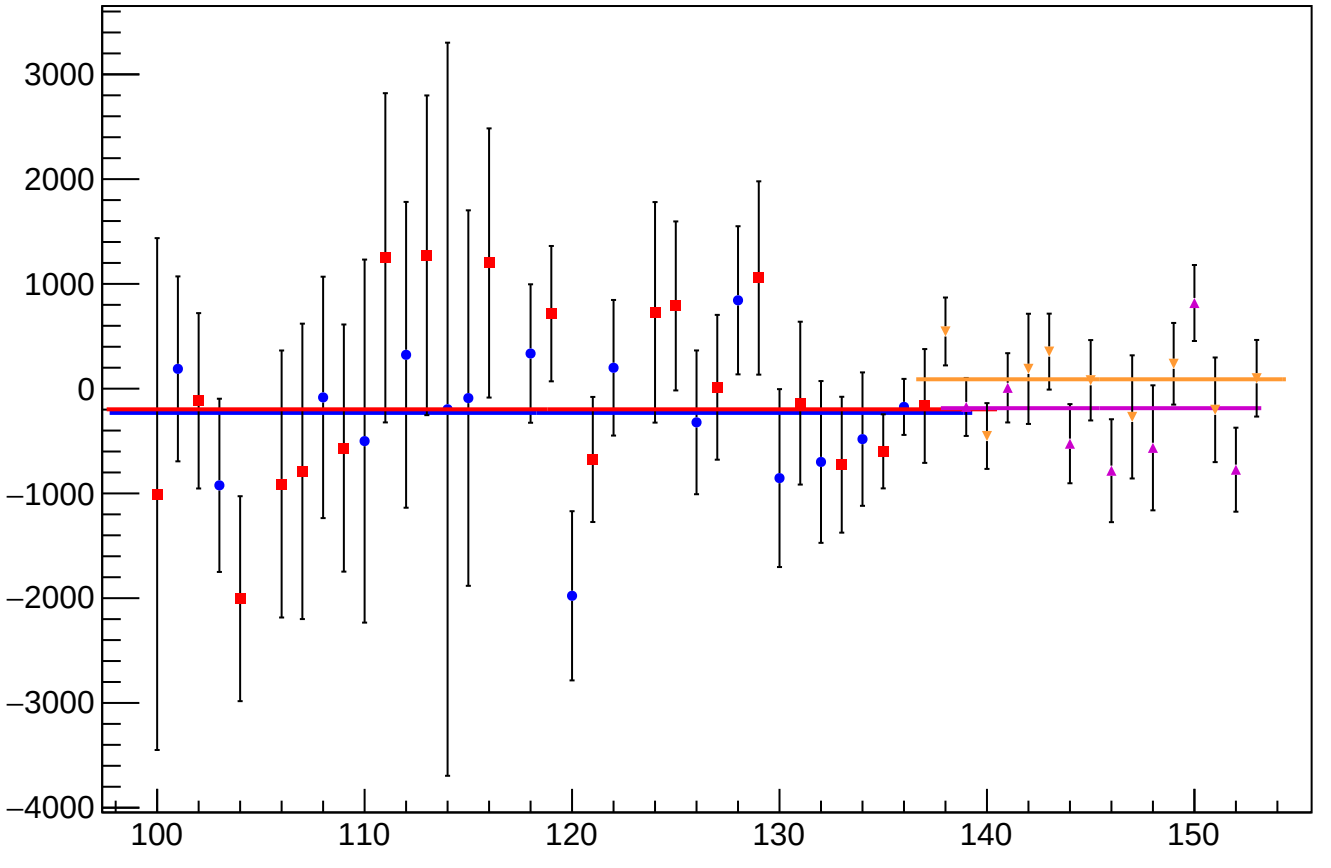
Left: 80.545+/-0.016 χ^2/NDF: 186400.6/15

Right: 84.282+/-0.016 χ^2/NDF: 2157967.8/34

In: 83.027+/-0.016 χ^2/NDF:1133328.0/22

Out: 81.773+/-0.016 χ^2/NDF:1235303.6/27

All: 82.366+/-0.011 χ^2/NDF: 2371704.4/50



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 89.485+/-130.573 χ^2/NDF:6.4/8

Right Out: -197.207+/-176.091 χ^2/NDF: 15.9/18

Left In: -186.369+/-141.431 χ^2/NDF:12.8/6

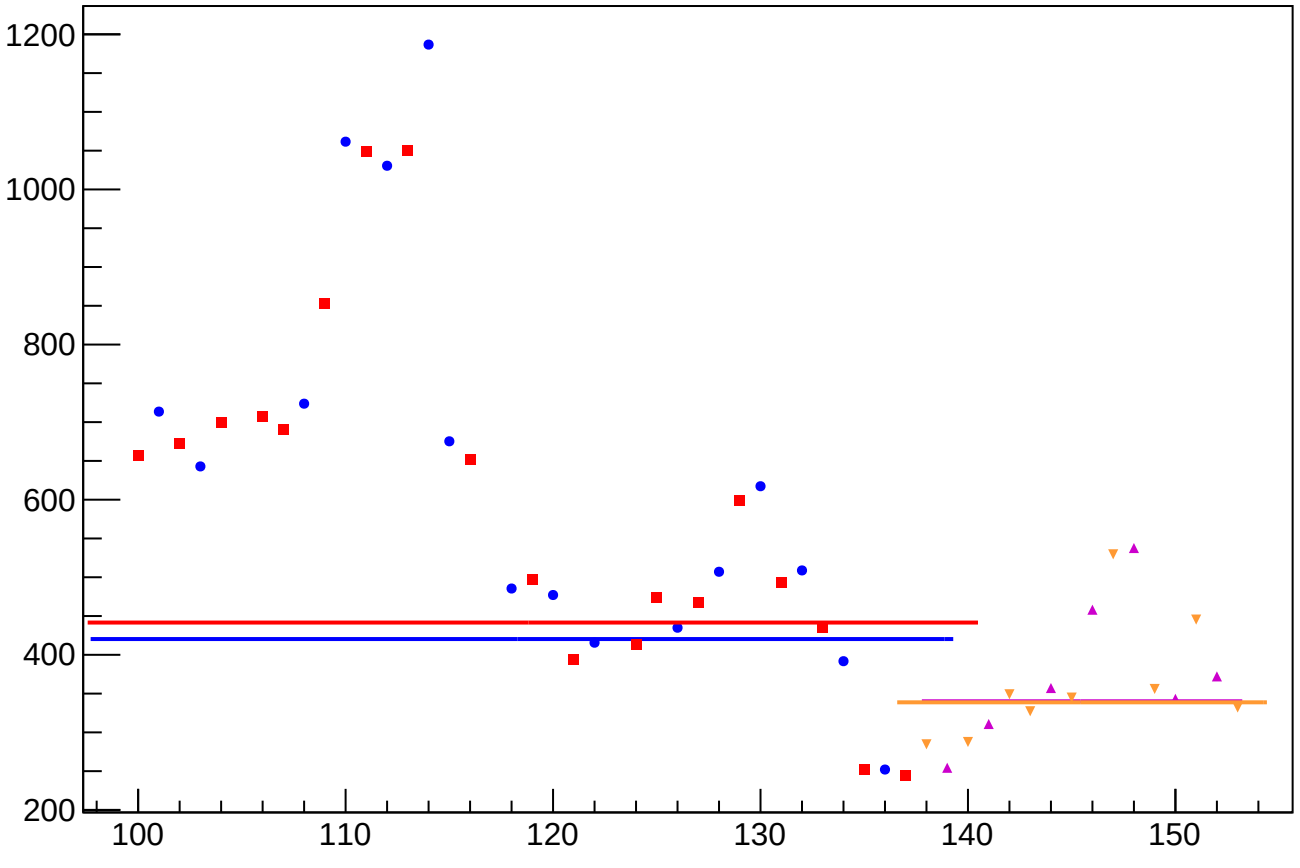
Left: -37.448+/-95.939 χ^2/NDF: 21.3/15

Right: -214.894+/-122.354 χ^2/NDF: 26.3/34

In: -204.773+/-108.759 χ^2/NDF:23.3/22

Out: -12.226+/-104.885 χ^2/NDF:24.0/27

All: -105.009+/-75.497 χ^2/NDF: 48.9/50



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 338.751+/-0.092 χ^2/NDF:418796.0/8

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

Left In: 340.105+/-0.100 χ^2/NDF:559546.5/6

Left: 339.374+/-0.068 χ^2/NDF: 978441.5/15

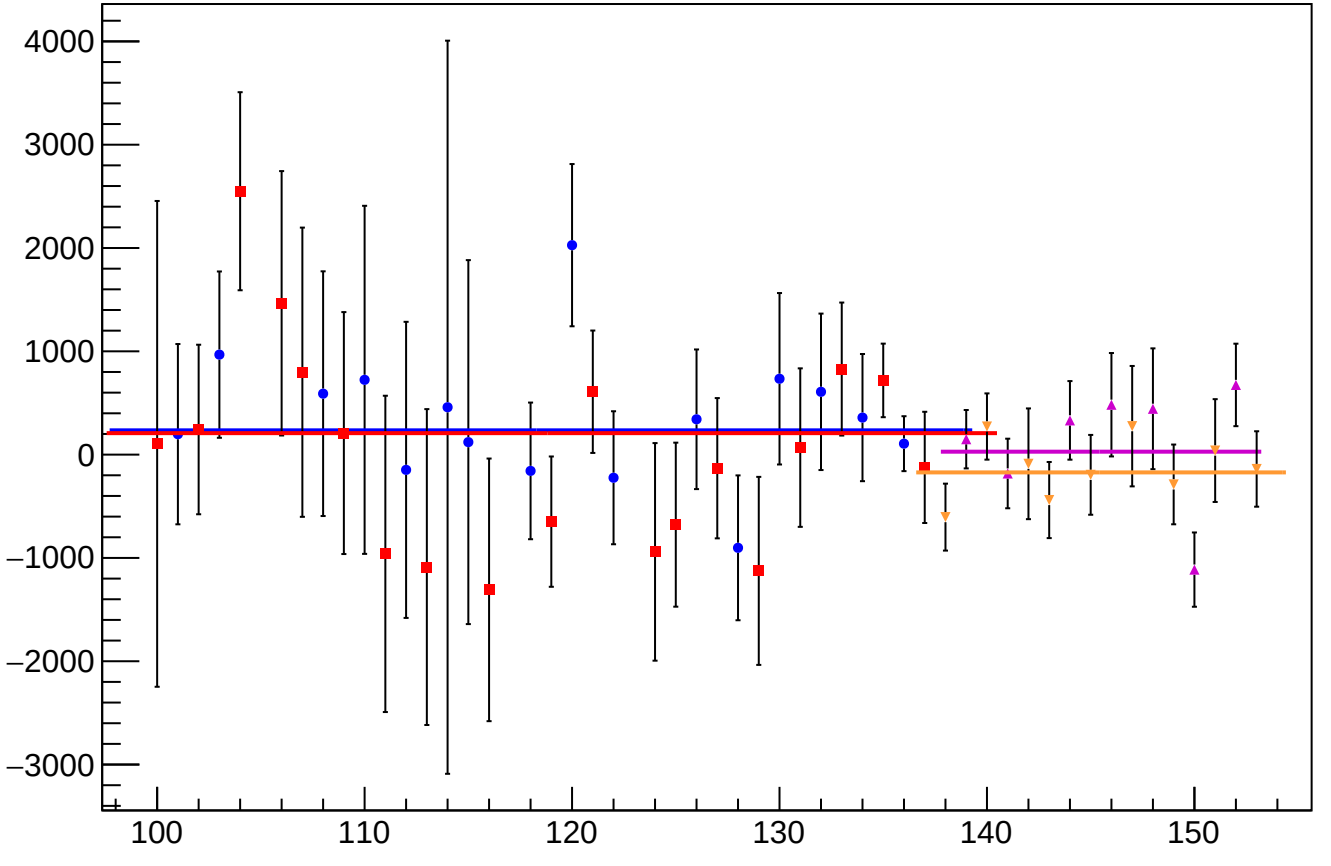
Right: 430.597+/-0.087 χ^2/NDF: 4577299.7/34

In: 372.889+/-0.077 χ^2/NDF:3077127.2/22

Out: 375.238+/-0.074 χ^2/NDF:3166584.5/27

All: 374.106+/-0.053 χ^2/NDF: 6244195.1/50

asym_sam1_mean vs Slug, Sign Corrected



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -172.093+/-131.302 χ^2/NDF:5.1/8

Right Out: 207.936+/-174.716 χ^2/NDF: 20.4/18

Left In: 28.454+/-142.590 χ^2/NDF:15.2/6

Left: -80.071+/-96.589 χ^2/NDF: 21.4/15

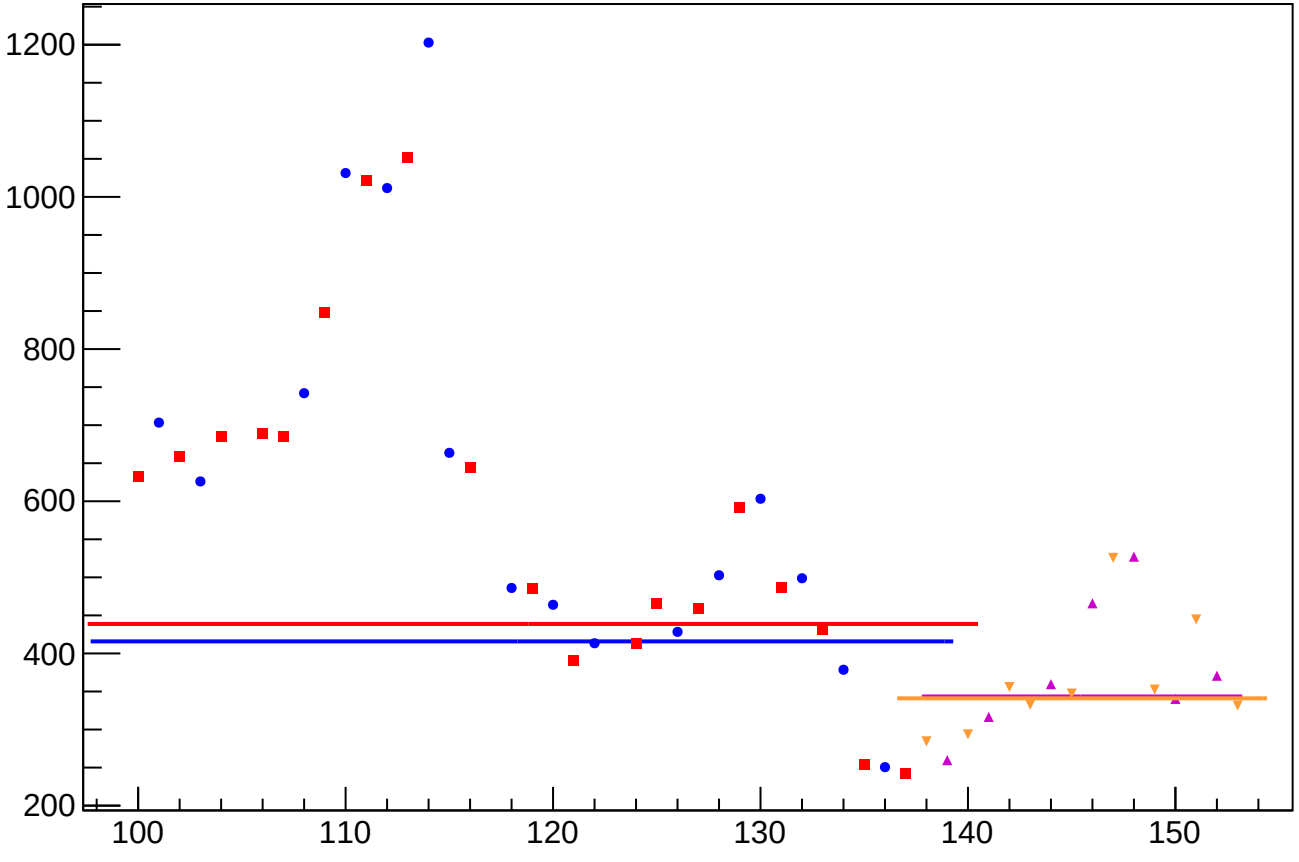
Right: 222.010+/-121.173 χ^2/NDF: 31.1/34

In: 114.845+/-108.766 χ^2/NDF:26.8/22

Out: -34.929+/-104.965 χ^2/NDF:28.5/27

All: 37.296+/-75.529 χ^2/NDF: 56.3/50

asym_sam1_rms vs Slug, Sign Corrected



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 341.018+/-0.093 χ^2/NDF:398134.7/8

Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 343.458+/-0.101 χ^2/NDF:518197.7/6

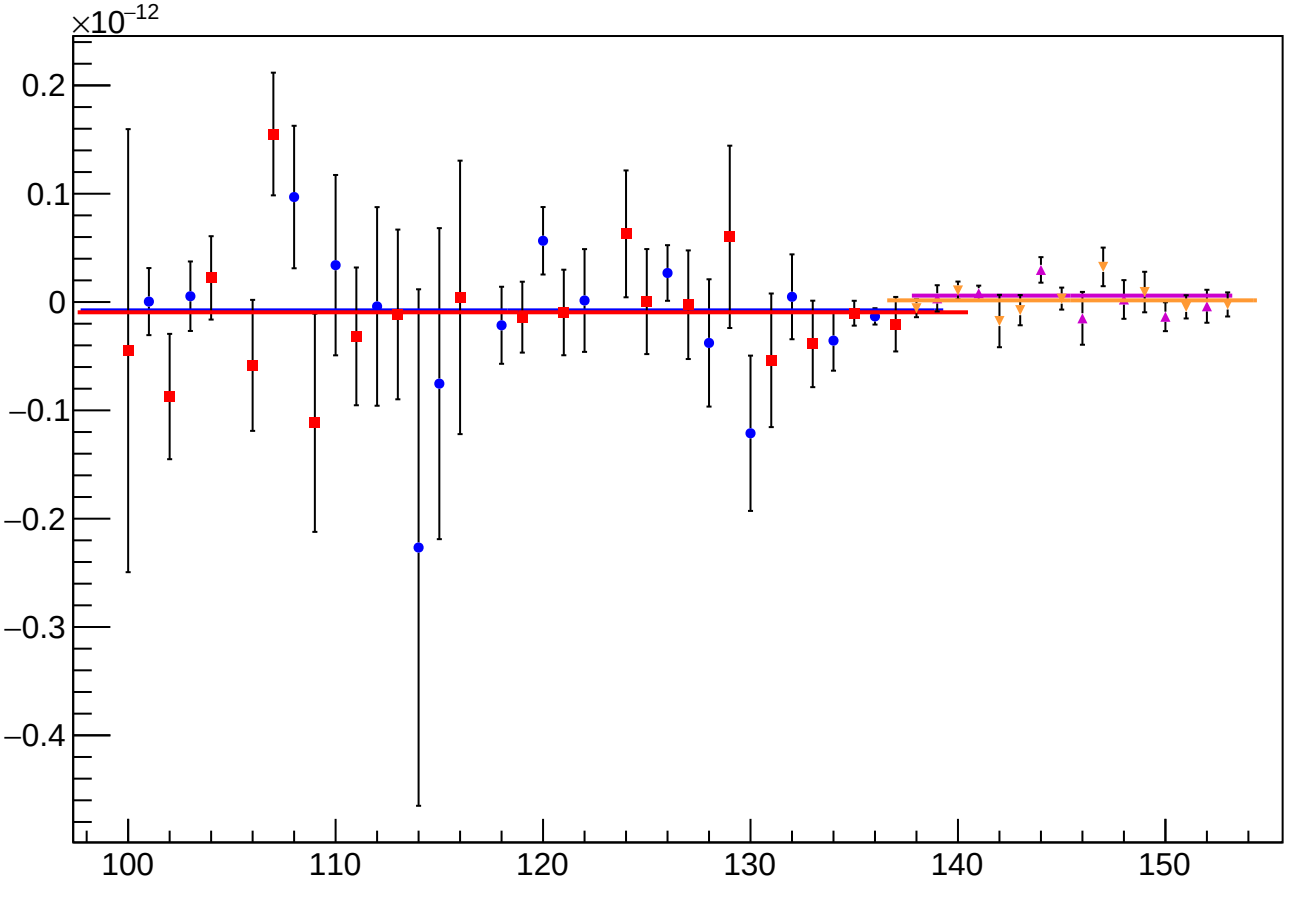
Left: 342.138+/-0.068 χ^2/NDF: 916649.4/15

Right: 426.871+/-0.086 χ^2/NDF: 4476610.3/34

In: 373.725+/-0.077 χ^2/NDF:2957646.4/22

Out: 376.301+/-0.074 χ^2/NDF:3033033.7/27

All: 375.059+/-0.053 χ^2/NDF: 5991261.0/50



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.7/8

Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:7.5/6

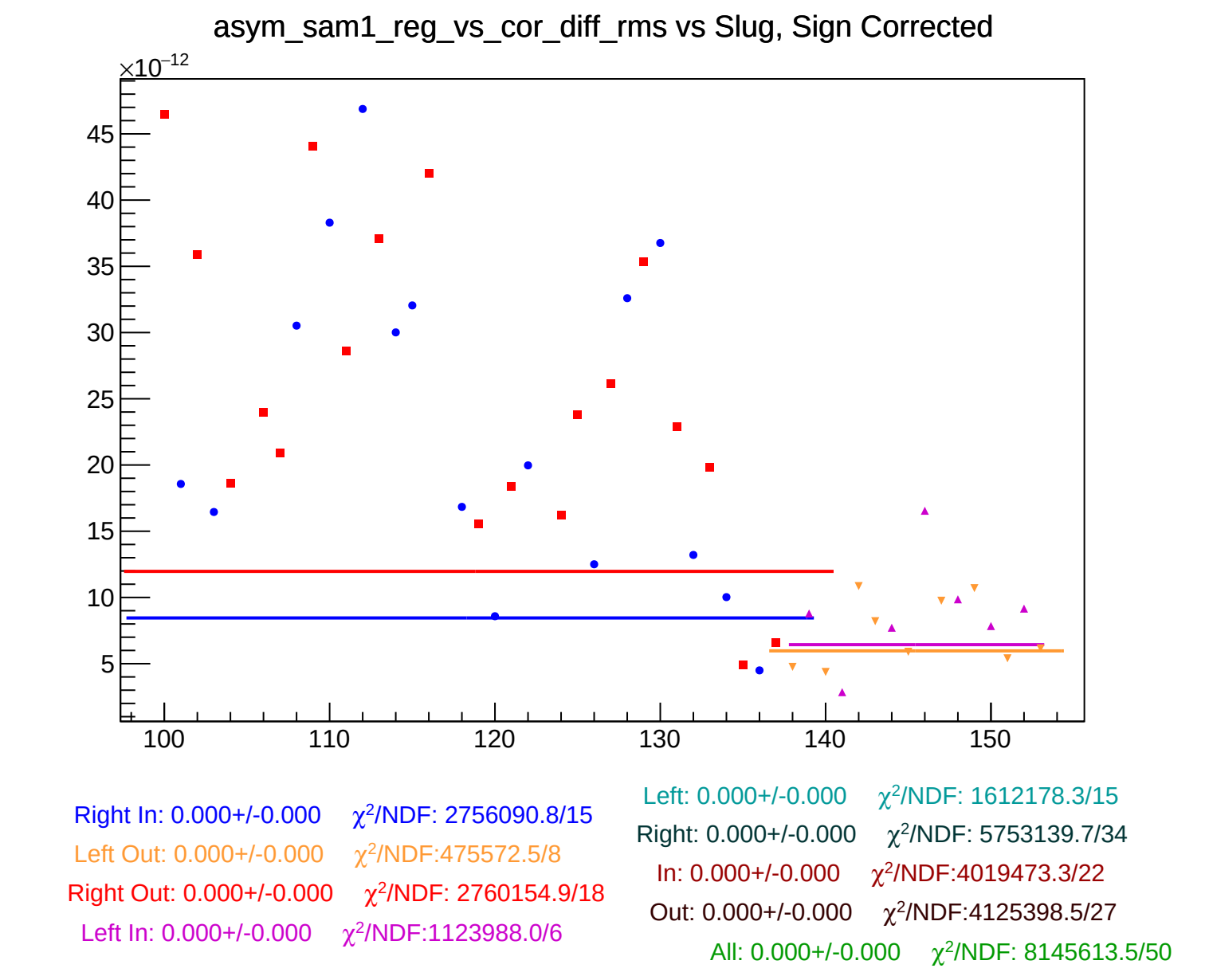
Left: 0.000+/-0.000 χ^2/NDF: 14.8/15

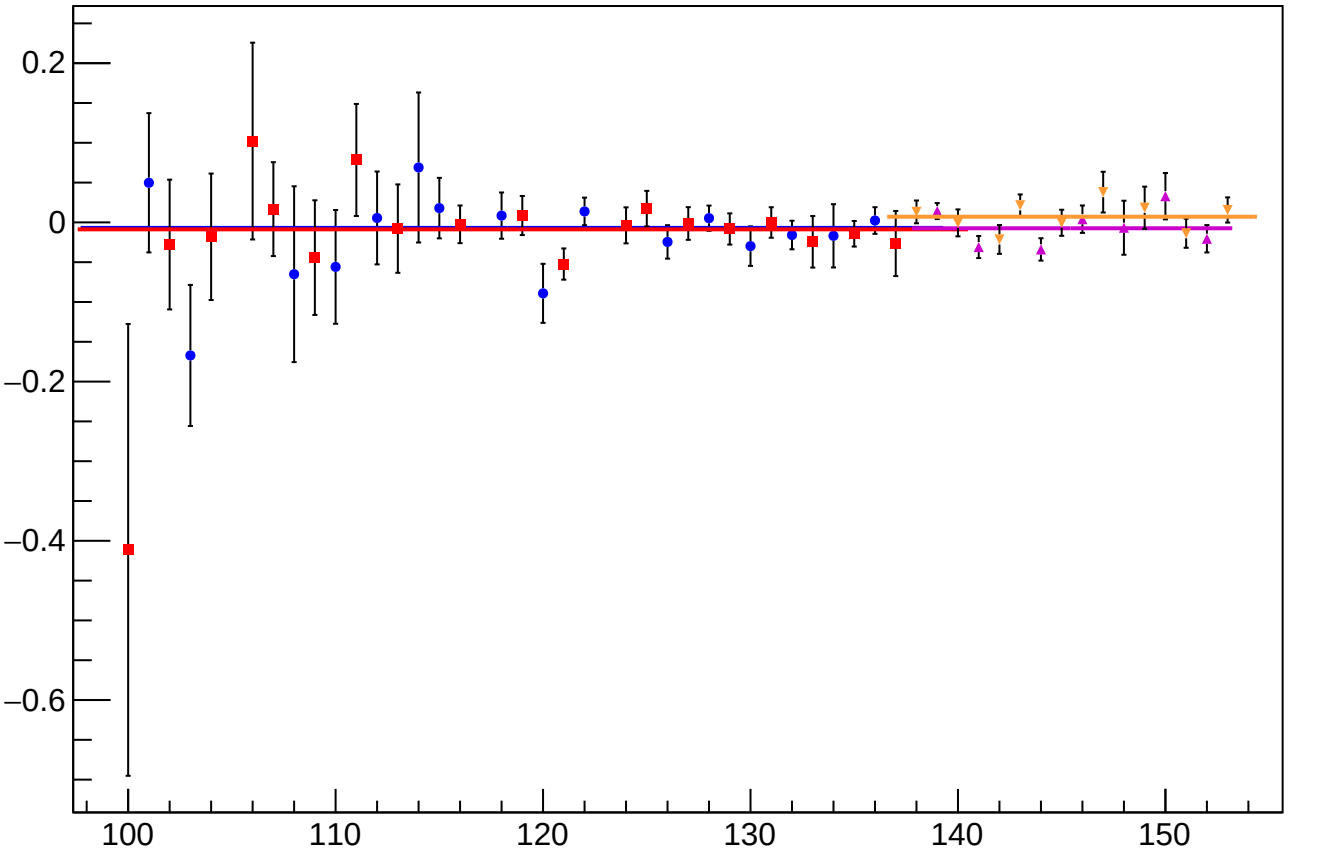
Right: -0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:25.5/22

Out: -0.000+/-0.000 χ^2/NDF:24.5/27

All: 0.000+/-0.000 χ^2/NDF: 50.1/50


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
Right In: 0.000+/-0.000 χ²/NDF: 2756090.8/15
Left Out: 0.000+/-0.000 χ²/NDF:475572.5/8
Right Out: 0.000+/-0.000 χ²/NDF: 2760154.9/18
Left In: 0.000+/-0.000 χ²/NDF:1123988.0/6
Left: 0.000+/-0.000 χ²/NDF: 1612178.3/15
Right: 0.000+/-0.000 χ²/NDF: 5753139.7/34
In: 0.000+/-0.000 χ²/NDF:4019473.3/22
Out: 0.000+/-0.000 χ²/NDF:4125398.5/27
All: 0.000+/-0.000 χ²/NDF: 8145613.5/50



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.007+/-0.006 χ^2/NDF:7.4/8

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.007+/-0.006 χ^2/NDF:14.0/6

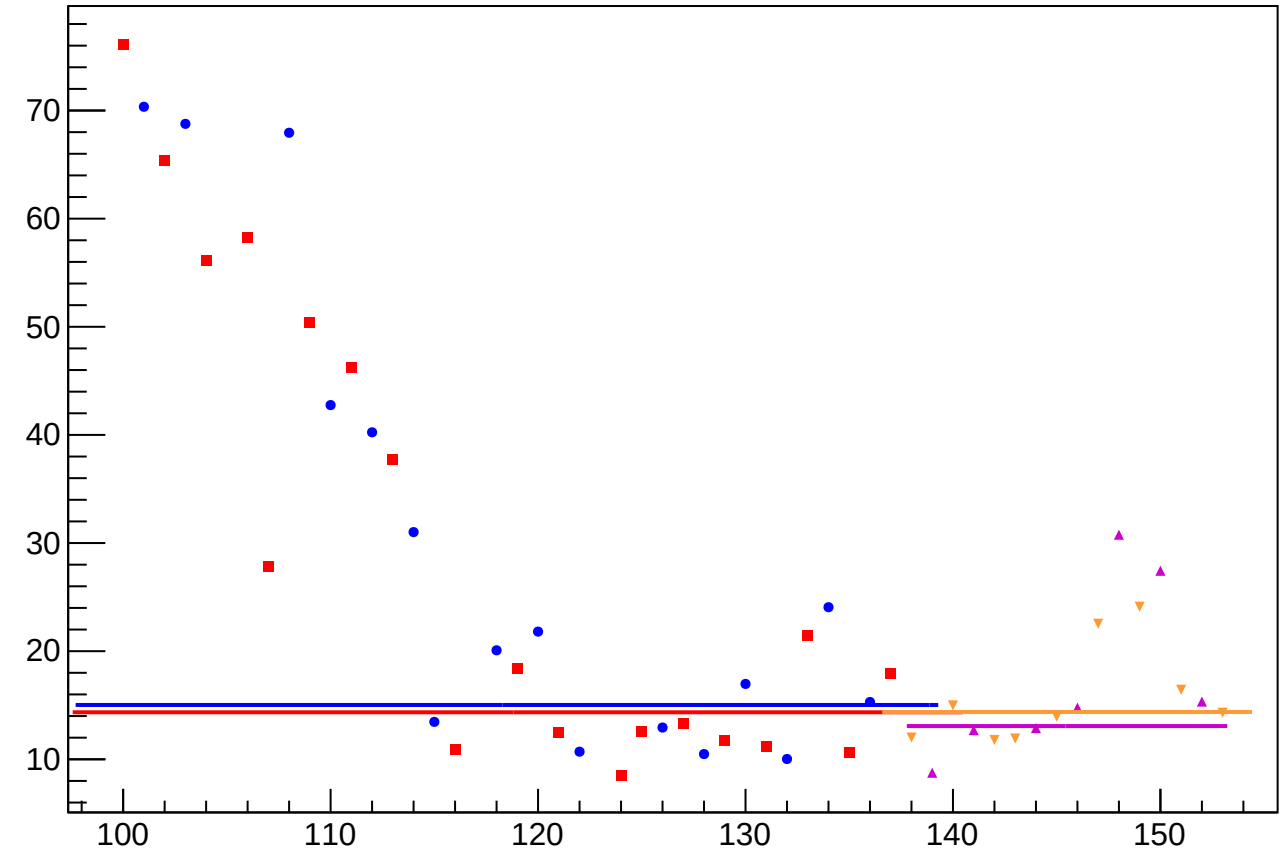
Left: 0.000+/-0.004 χ^2/NDF: 24.6/15

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.007+/-0.004 χ^2/NDF:29.0/22

Out: 0.000+/-0.004 χ^2/NDF:23.5/27

All: -0.003+/-0.003 χ^2/NDF: 53.9/50



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.378+/-0.004 χ^2/NDF:663725.5/8

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 13.075+/-0.004 χ^2/NDF:1456410.8/6

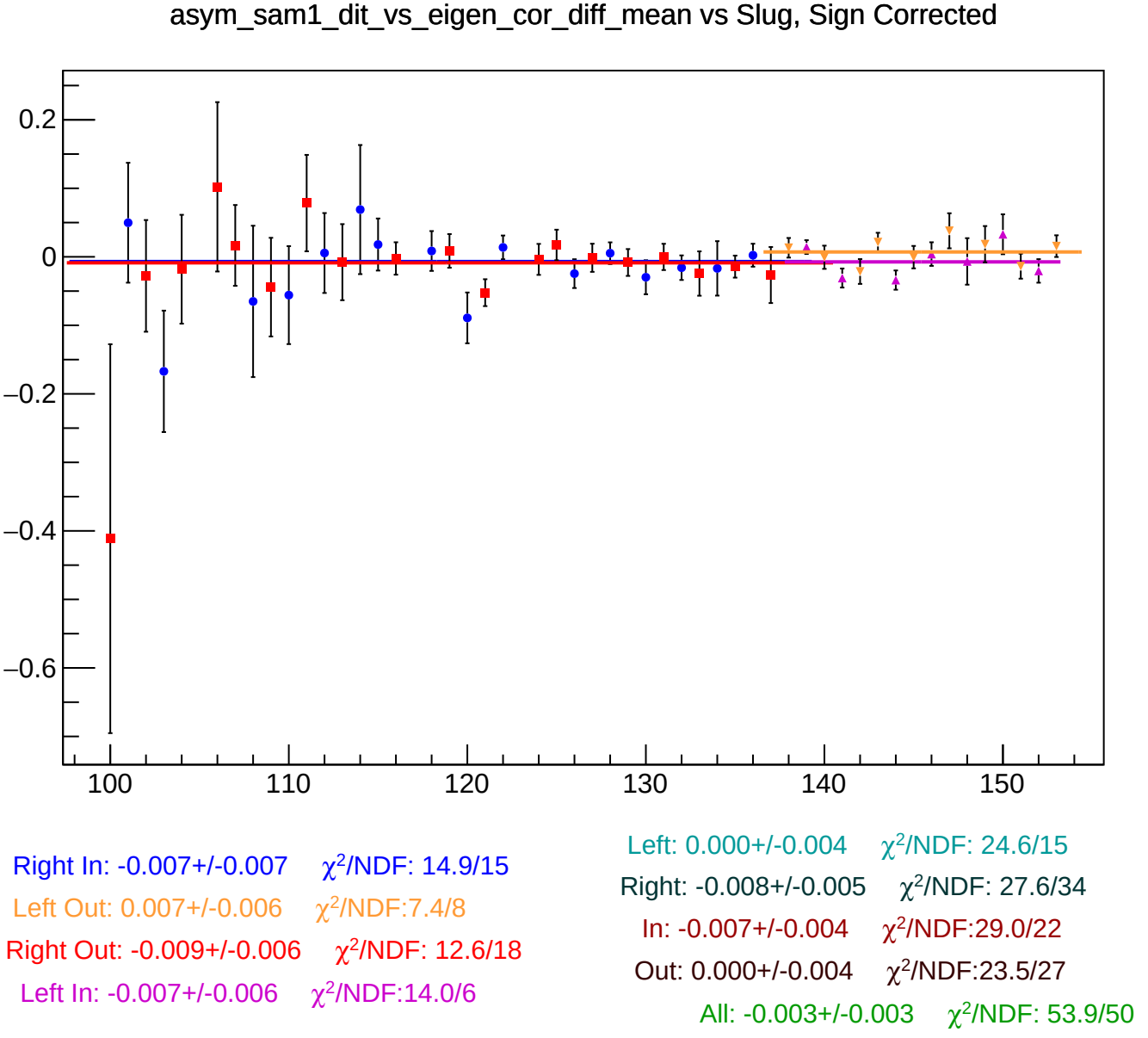
Left: 13.743+/-0.003 χ^2/NDF: 2170650.2/15

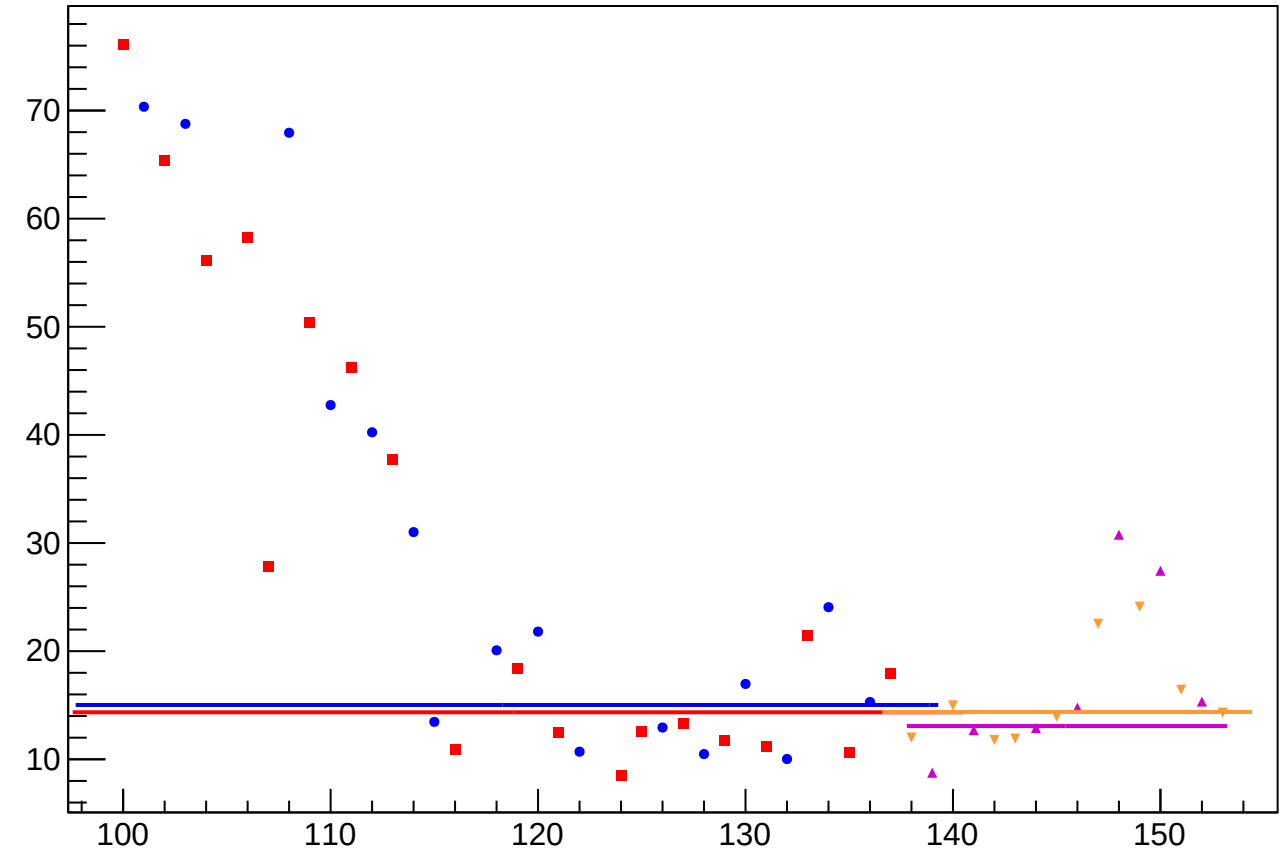
Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 13.918+/-0.003 χ^2/NDF:4990019.5/22

Out: 14.365+/-0.003 χ^2/NDF:4292765.2/27

All: 14.150+/-0.002 χ^2/NDF: 9293363.8/50


asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
Right In: -0.007+/-0.007 χ²/NDF: 14.9/15
Left Out: 0.007+/-0.006 χ²/NDF:7.4/8
Right Out: -0.009+/-0.006 χ²/NDF: 12.6/18
Left In: -0.007+/-0.006 χ²/NDF:14.0/6
Left: 0.000+/-0.004 χ²/NDF: 24.6/15
Right: -0.008+/-0.005 χ²/NDF: 27.6/34
In: -0.007+/-0.004 χ²/NDF:29.0/22
Out: 0.000+/-0.004 χ²/NDF:23.5/27
All: -0.003+/-0.003 χ²/NDF: 53.9/50



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.378+/-0.004 χ^2/NDF:663725.5/8

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 13.075+/-0.004 χ^2/NDF:1456410.8/6

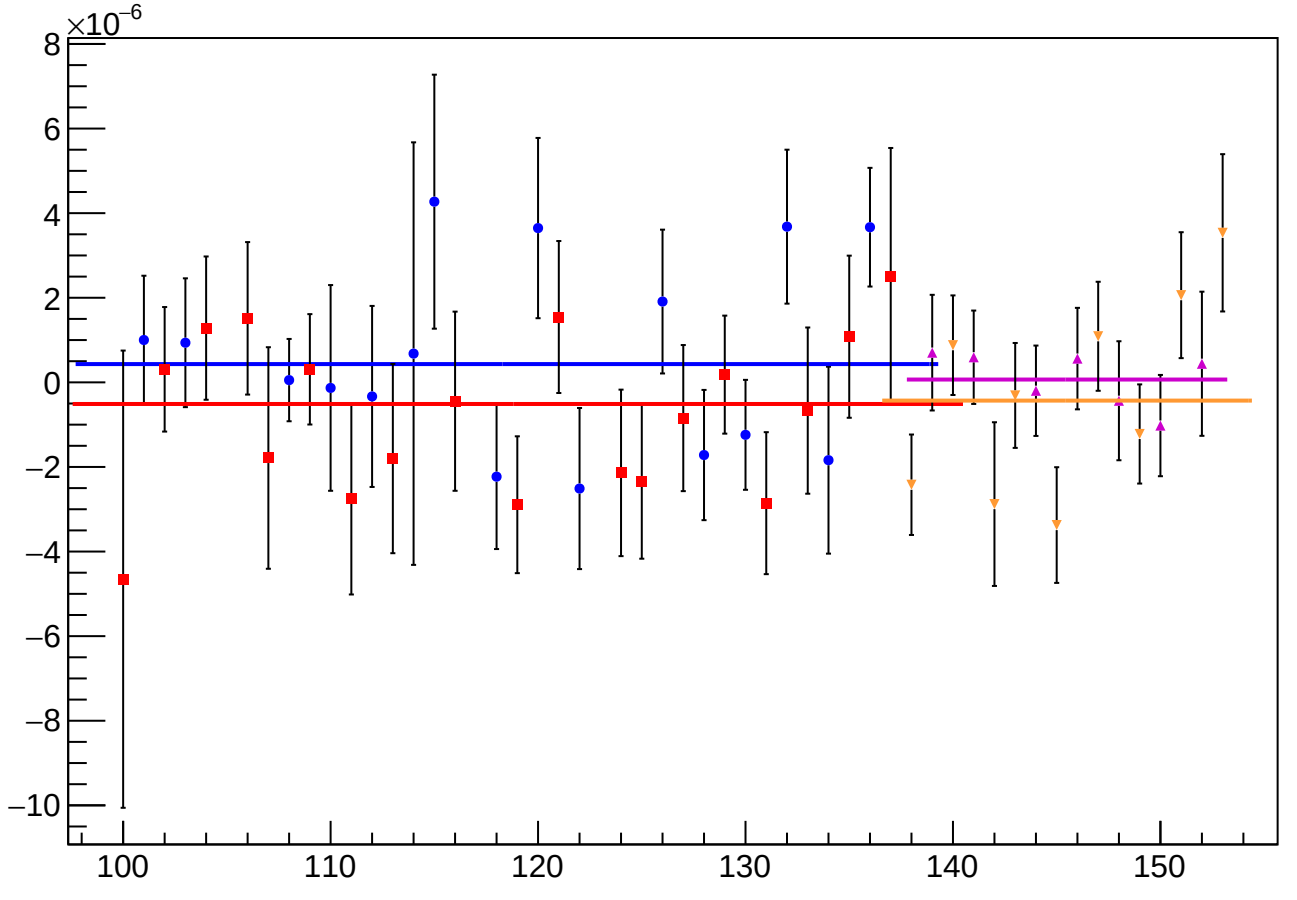
Left: 13.743+/-0.003 χ^2/NDF: 2170650.2/15

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 13.918+/-0.003 χ^2/NDF:4990019.5/22

Out: 14.365+/-0.003 χ^2/NDF:4292765.2/27

All: 14.150+/-0.002 χ^2/NDF: 9293363.8/50



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.5/8

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1.7/6

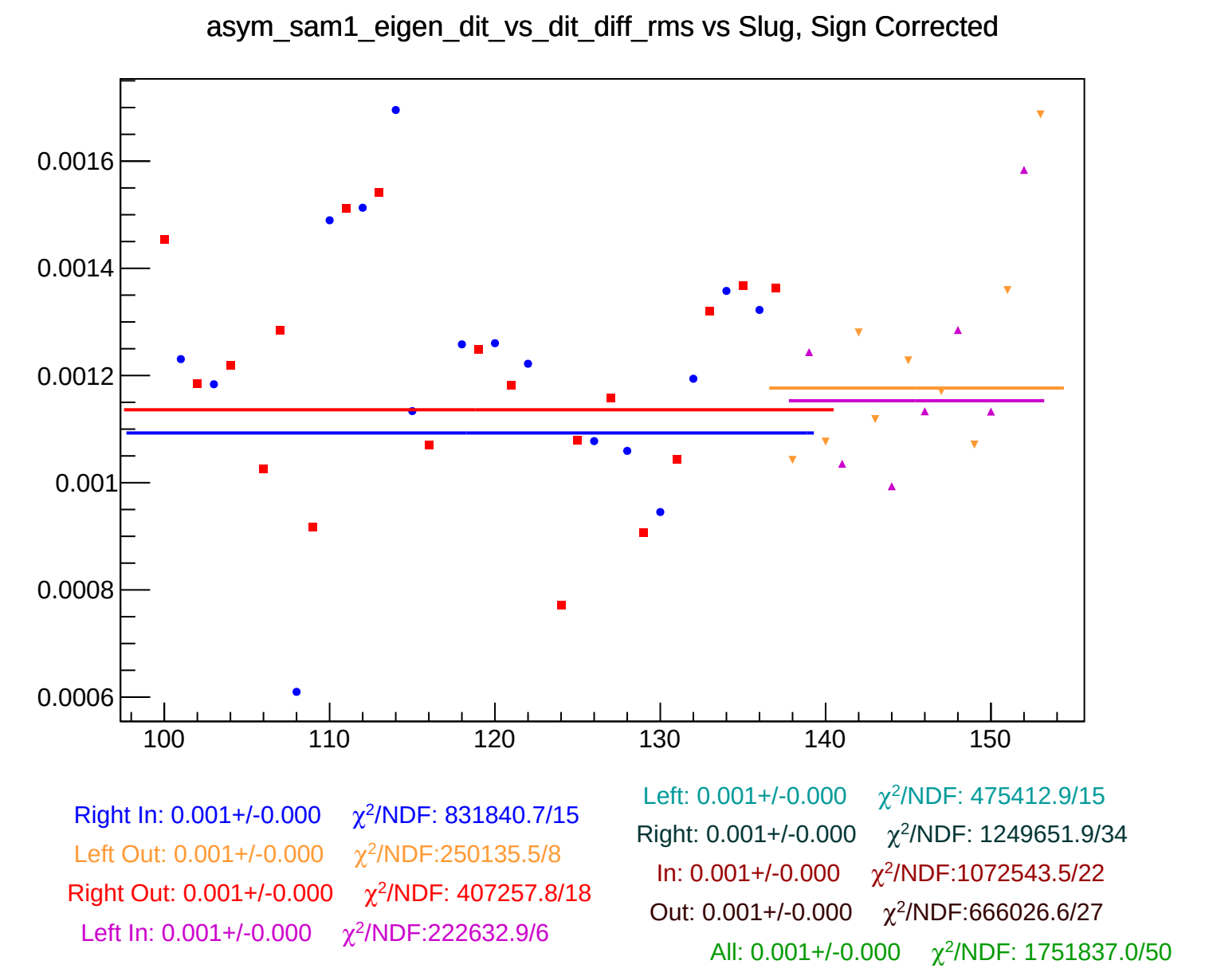
Left: -0.000+/-0.000 χ^2/NDF: 21.7/15

Right: -0.000+/-0.000 χ^2/NDF: 40.0/34

In: 0.000+/-0.000 χ^2/NDF:25.2/22

Out: -0.000+/-0.000 χ^2/NDF:33.8/27

All: -0.000+/-0.000 χ^2/NDF: 61.9/50


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
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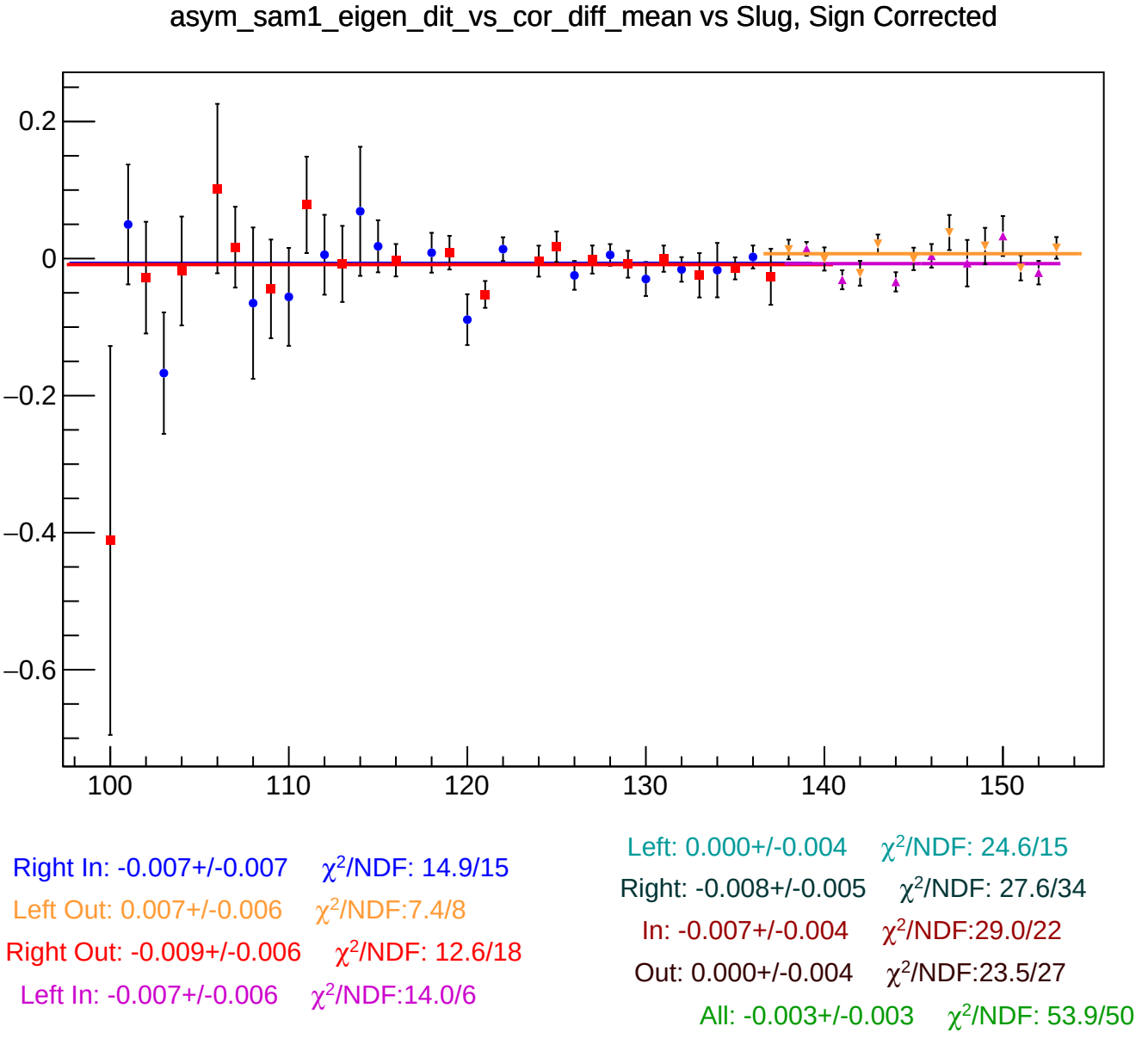
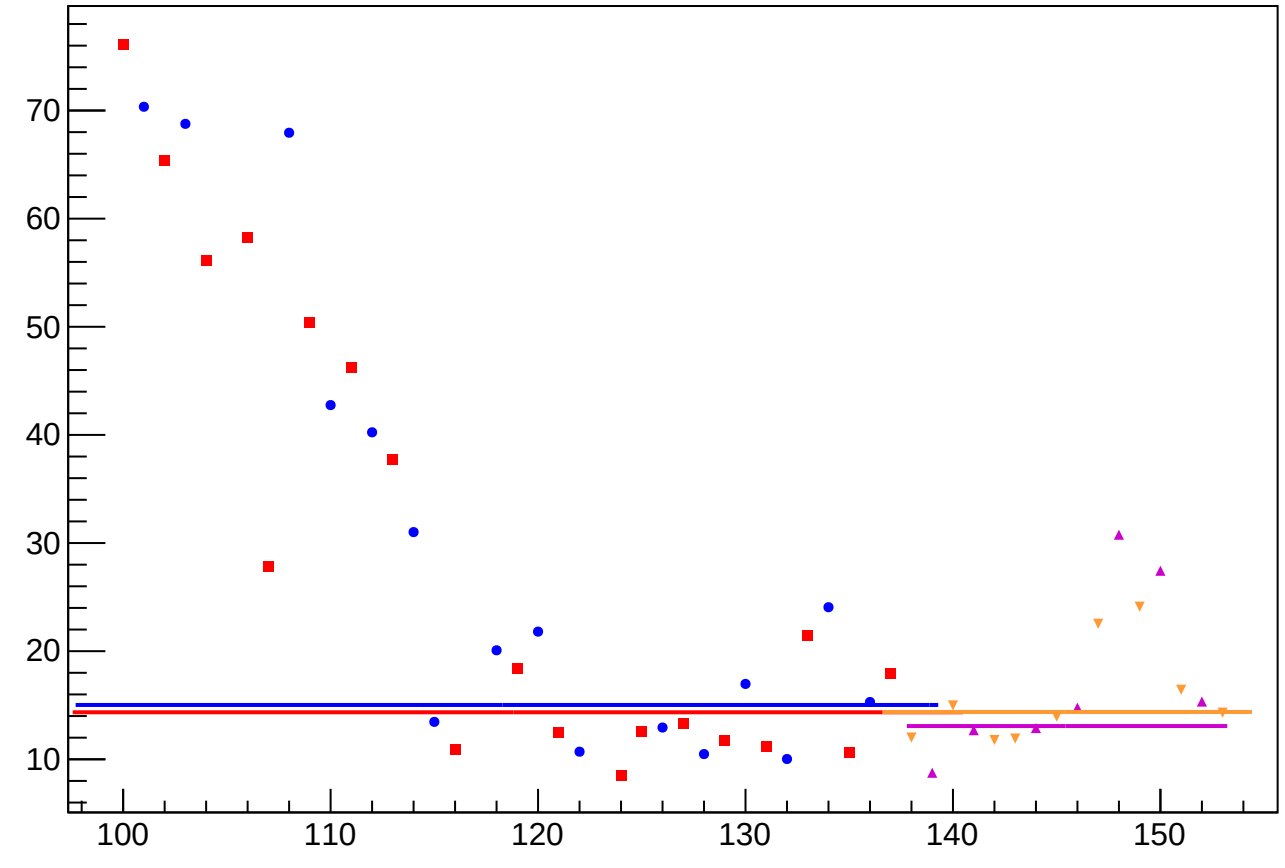
140
150
Right In: 0.001+/-0.000 χ²/NDF: 831840.7/15
Left Out: 0.001+/-0.000 χ²/NDF:250135.5/8
Right Out: 0.001+/-0.000 χ²/NDF: 407257.8/18
Left In: 0.001+/-0.000 χ²/NDF:222632.9/6
Left: 0.001+/-0.000 χ²/NDF: 475412.9/15
Right: 0.001+/-0.000 χ²/NDF: 1249651.9/34
In: 0.001+/-0.000 χ²/NDF:1072543.5/22
Out: 0.001+/-0.000 χ²/NDF:666026.6/27
All: 0.001+/-0.000 χ²/NDF: 1751837.0/50


asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
Right In: -0.007+/-0.007 χ²/NDF: 14.9/15
Left Out: 0.007+/-0.006 χ²/NDF:7.4/8
Right Out: -0.009+/-0.006 χ²/NDF: 12.6/18
Left In: -0.007+/-0.006 χ²/NDF:14.0/6
Left: 0.000+/-0.004 χ²/NDF: 24.6/15
Right: -0.008+/-0.005 χ²/NDF: 27.6/34
In: -0.007+/-0.004 χ²/NDF:29.0/22
Out: 0.000+/-0.004 χ²/NDF:23.5/27
All: -0.003+/-0.003 χ²/NDF: 53.9/50



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.378+/-0.004 χ^2/NDF:663713.1/8

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 13.075+/-0.004 χ^2/NDF:1456428.4/6

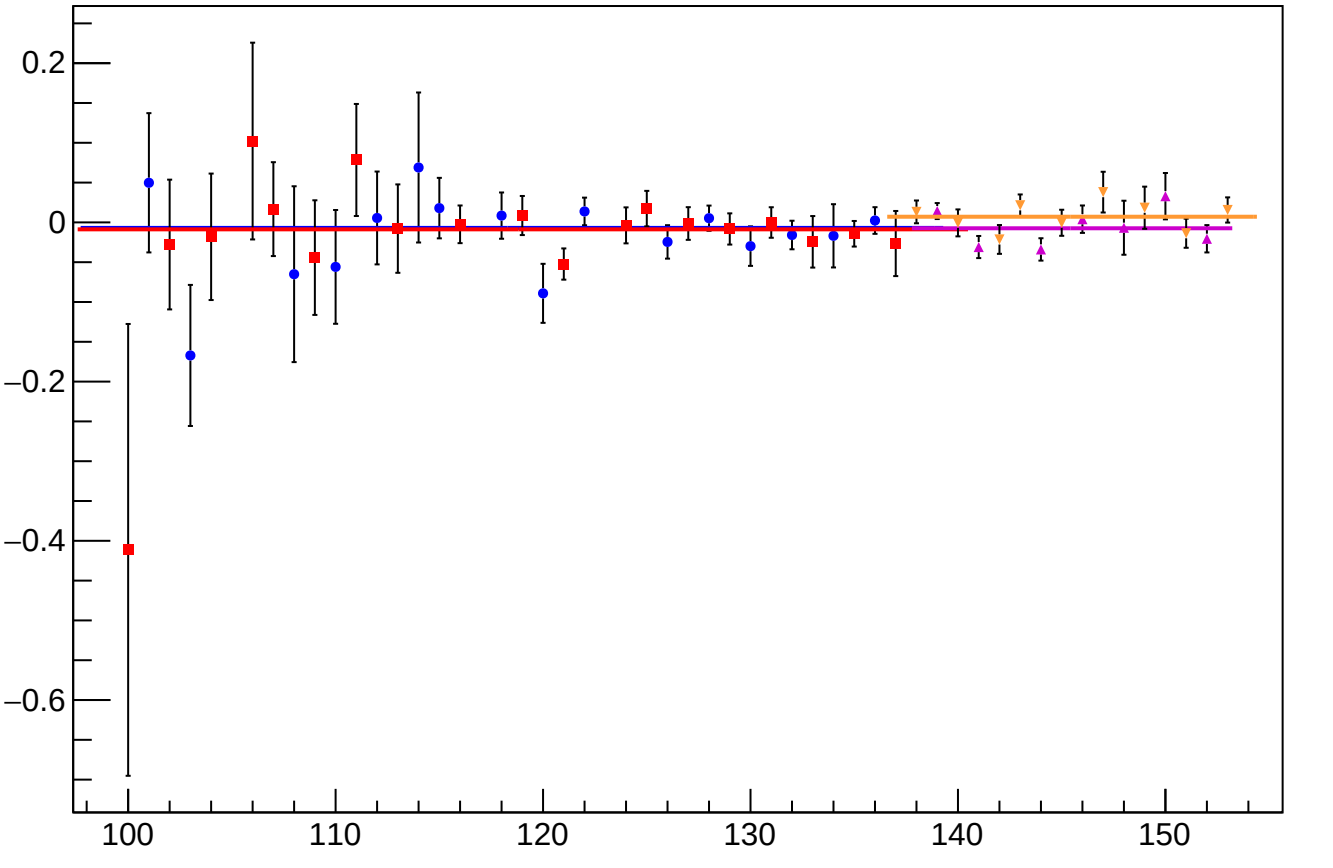
Left: 13.743+/-0.003 χ^2/NDF: 2170660.9/15

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 13.918+/-0.003 χ^2/NDF:4990039.5/22

Out: 14.365+/-0.003 χ^2/NDF:4292743.1/27

All: 14.150+/-0.002 χ^2/NDF: 9293365.0/50



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.007+/-0.006 χ^2/NDF:7.4/8

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: -0.007+/-0.006 χ^2/NDF:14.0/6

Left: 0.000+/-0.004 χ^2/NDF: 24.6/15

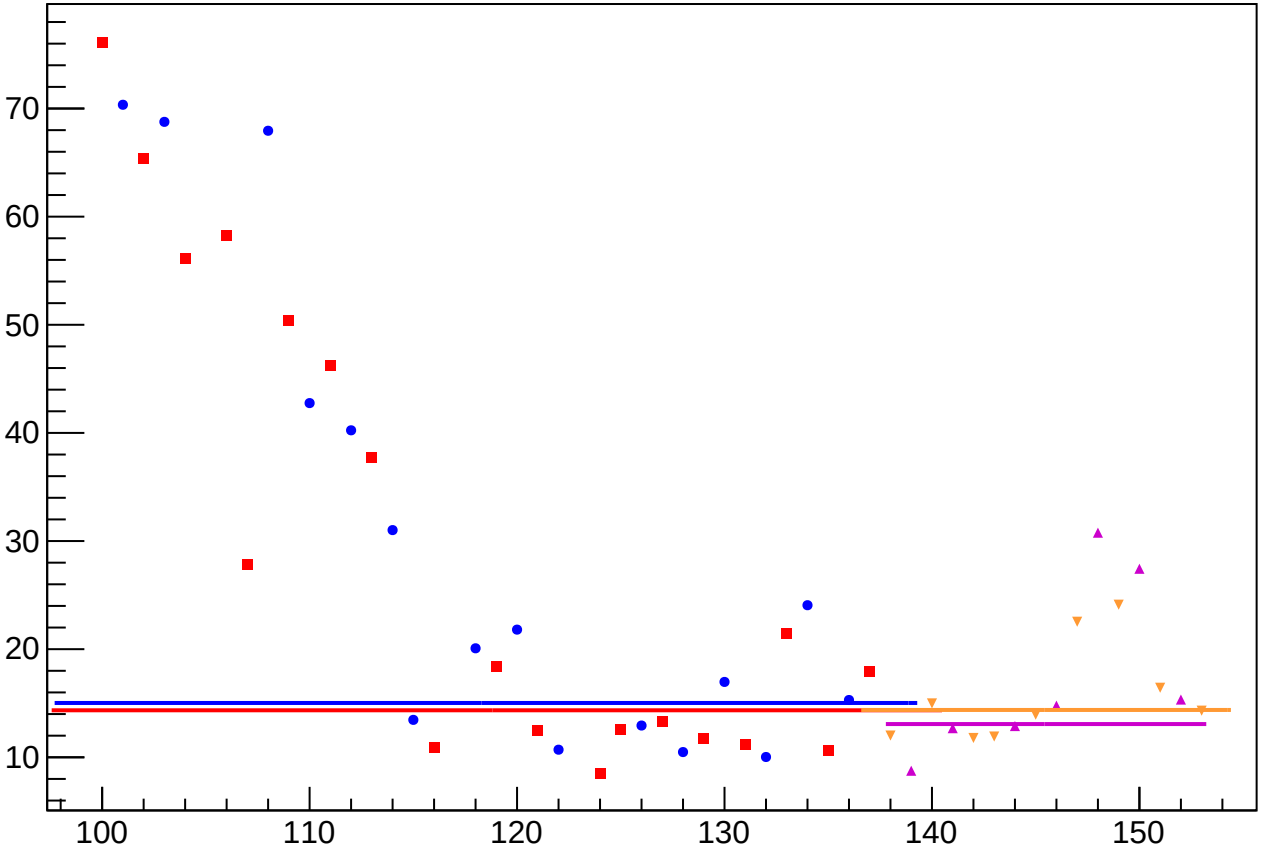
Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.007+/-0.004 χ^2/NDF:29.0/22

Out: 0.000+/-0.004 χ^2/NDF:23.5/27

All: -0.003+/-0.003 χ^2/NDF: 53.9/50

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: 14.378+/-0.004 χ^2/NDF:663713.1/8

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 13.075+/-0.004 χ^2/NDF:1456428.4/6

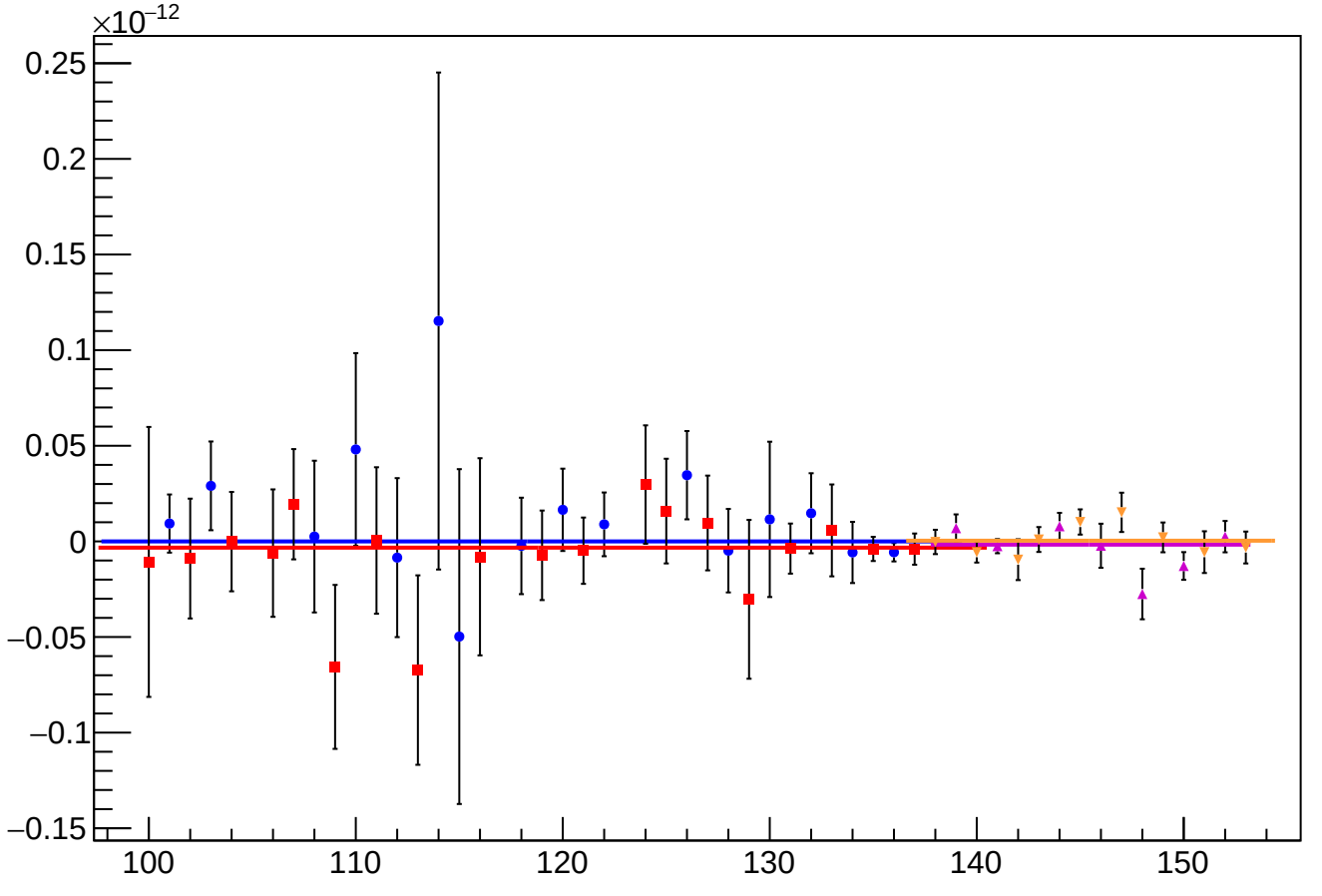
Left: 13.743+/-0.003 χ^2/NDF: 2170660.9/15

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 13.918+/-0.003 χ^2/NDF:4990039.5/22

Out: 14.365+/-0.003 χ^2/NDF:4292743.1/27

All: 14.150+/-0.002 χ^2/NDF: 9293365.0/50



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.9/8

Right Out: -0.000+/-0.000 χ^2/NDF: 7.0/18

Left In: -0.000+/-0.000 χ^2/NDF:9.8/6

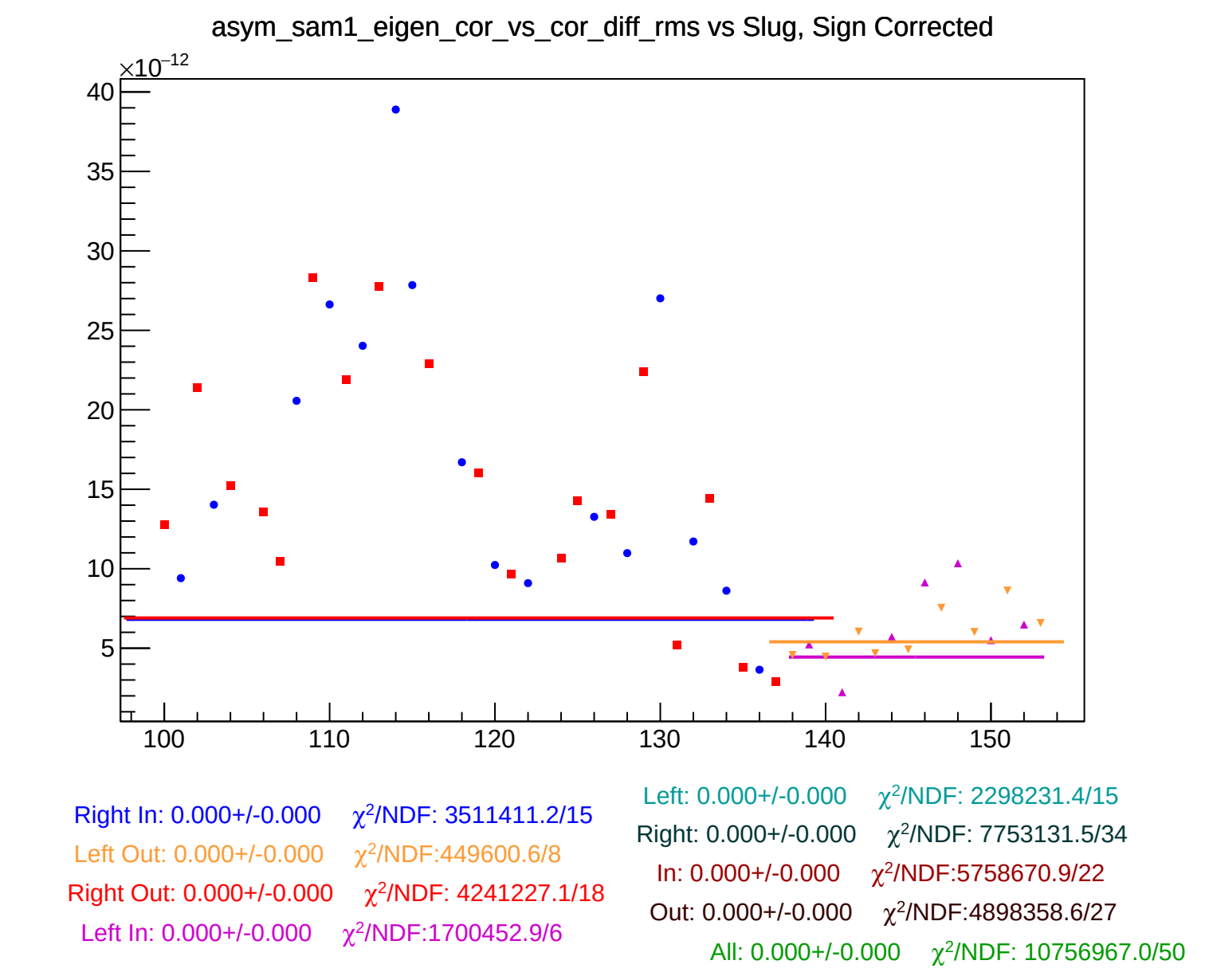
Left: -0.000+/-0.000 χ^2/NDF: 17.1/15

Right: -0.000+/-0.000 χ^2/NDF: 16.7/34

In: -0.000+/-0.000 χ^2/NDF:19.2/22

Out: -0.000+/-0.000 χ^2/NDF:14.5/27

All: -0.000+/-0.000 χ^2/NDF: 33.8/50


asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
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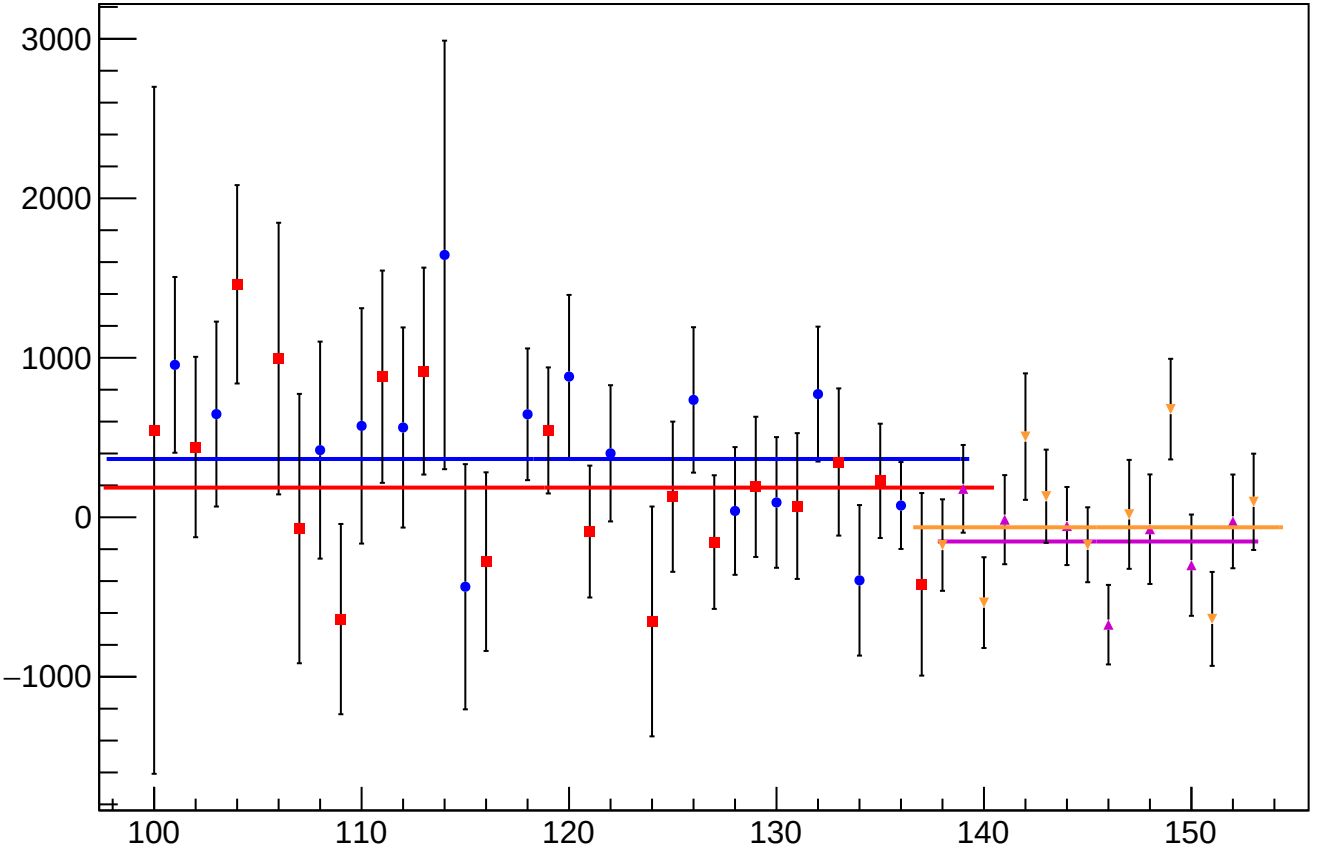
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3511411.2/15
Left Out: 0.000+/-0.000 χ²/NDF:449600.6/8
Right Out: 0.000+/-0.000 χ²/NDF: 4241227.1/18
Left In: 0.000+/-0.000 χ²/NDF:1700452.9/6
Left: 0.000+/-0.000 χ²/NDF: 2298231.4/15
Right: 0.000+/-0.000 χ²/NDF: 7753131.5/34
In: 0.000+/-0.000 χ²/NDF:5758670.9/22
Out: 0.000+/-0.000 χ²/NDF:4898358.6/27
All: 0.000+/-0.000 χ²/NDF: 10756967.0/50

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -62.718+/-99.103 χ^2/NDF:15.3/8

Right Out: 186.141+/-120.188 χ^2/NDF: 15.0/18

Left In: -151.870+/-106.134 χ^2/NDF:6.7/6

Left: -104.243+/-72.434 χ^2/NDF: 22.3/15

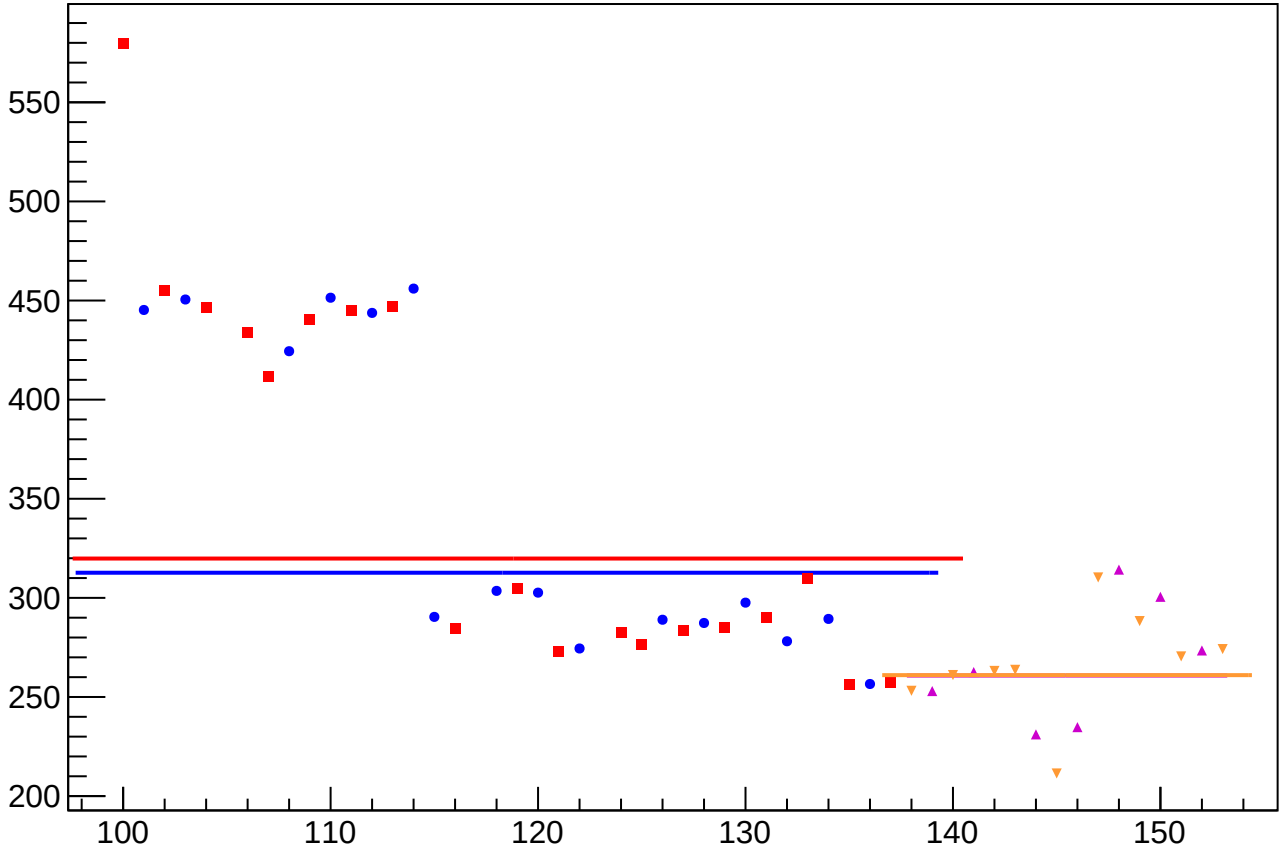
Right: 276.827+/-84.517 χ^2/NDF: 27.6/34

In: 77.635+/-79.170 χ^2/NDF:28.7/22

Out: 38.003+/-76.461 χ^2/NDF:32.8/27

All: 57.129+/-54.999 χ^2/NDF: 61.7/50

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 261.021+/-0.070 χ^2/NDF:153382.8/8

Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 260.808+/-0.075 χ^2/NDF:136299.3/6

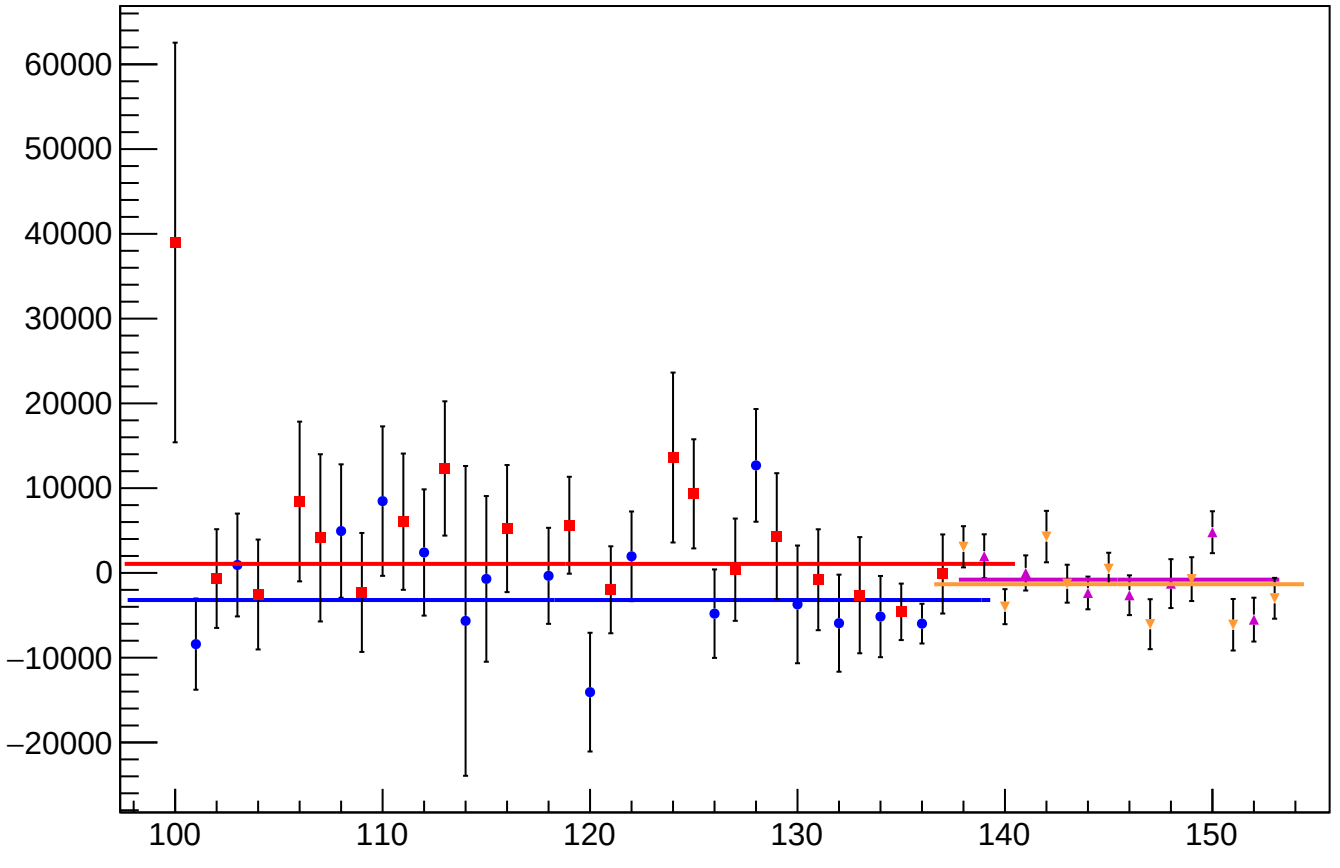
Left: 260.922+/-0.051 χ^2/NDF: 289686.4/15

Right: 316.222+/-0.060 χ^2/NDF: 1303671.7/34

In: 283.818+/-0.056 χ^2/NDF:950436.0/22

Out: 284.827+/-0.054 χ^2/NDF:1136405.5/27

All: 284.340+/-0.039 χ^2/NDF: 2087009.7/50



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -1333.963+/-806.927 χ^2/NDF:14.9/8

Right Out: 1065.939+/-1443.326 χ^2/NDF: 14.4/18

Left In: -795.065+/-888.999 χ^2/NDF:11.0/6

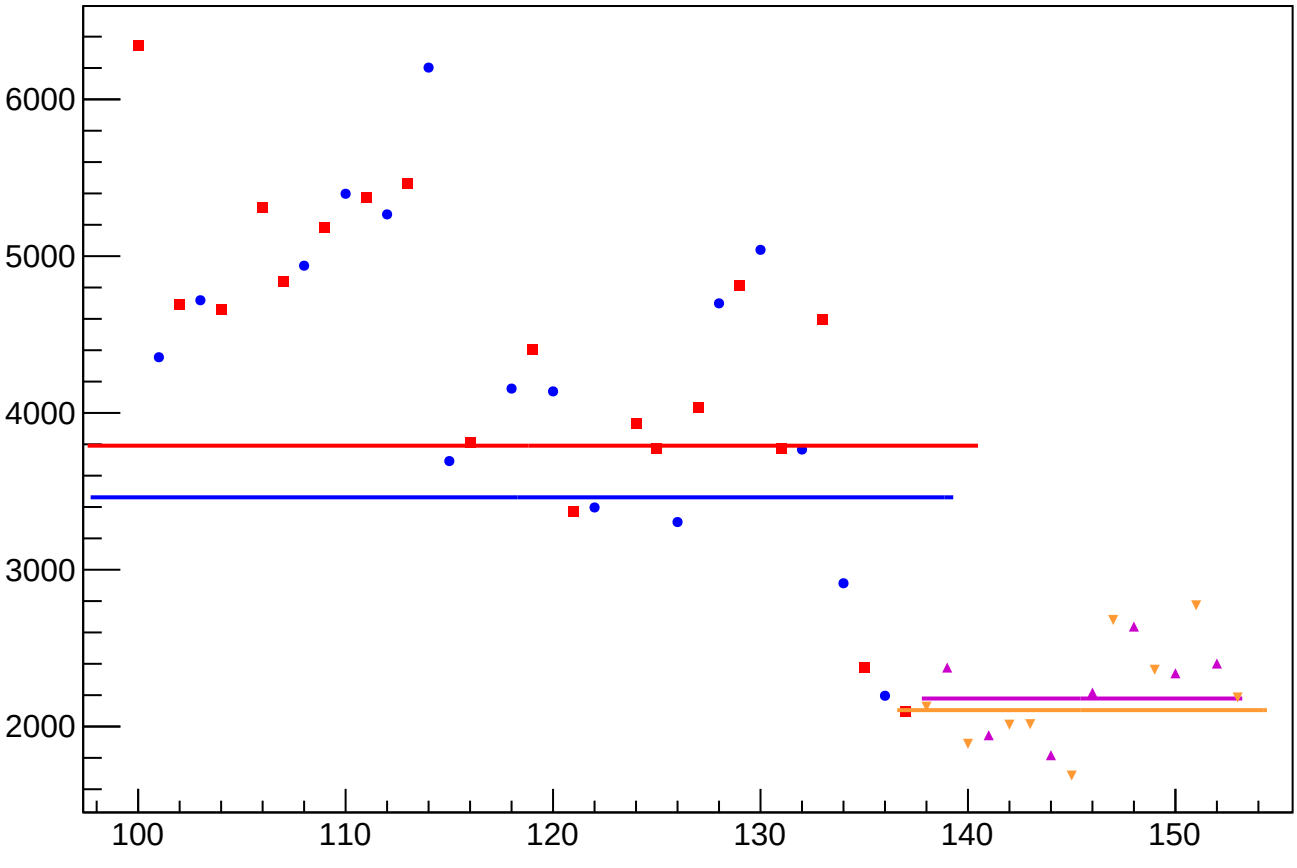
Left: -1090.532+/-597.497 χ^2/NDF: 26.1/15

Right: -1202.738+/-987.420 χ^2/NDF: 35.1/34

In: -1519.265+/-743.105 χ^2/NDF:29.3/22

Out: -762.468+/-704.326 χ^2/NDF:31.4/27

All: -1120.605+/-511.194 χ^2/NDF: 61.2/50



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 2104.471+/-0.571 χ^2/NDF:318849.4/8

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

Left In: 2178.642+/-0.629 χ^2/NDF:181866.7/6

Left: 2137.976+/-0.422 χ^2/NDF: 508349.2/15

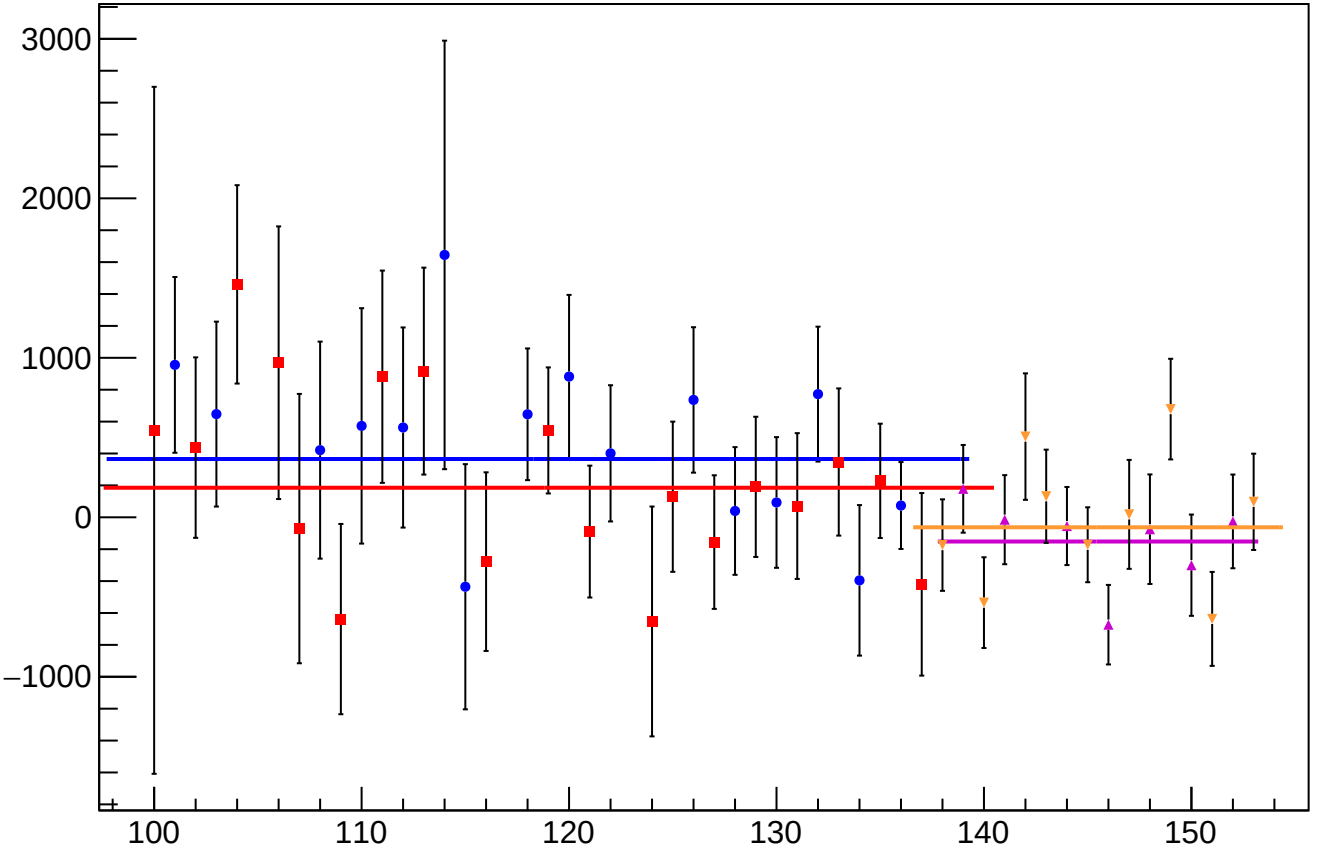
Right: 3616.041+/-0.698 χ^2/NDF: 2520711.5/34

In: 2565.281+/-0.525 χ^2/NDF:2747061.7/22

Out: 2506.138+/-0.498 χ^2/NDF:3555617.5/27

All: 2534.126+/-0.361 χ^2/NDF: 6309352.7/50

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -62.714+/-99.103 χ^2/NDF:15.3/8

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: -151.864+/-106.134 χ^2/NDF:6.7/6

Left: -104.238+/-72.434 χ^2/NDF: 22.3/15

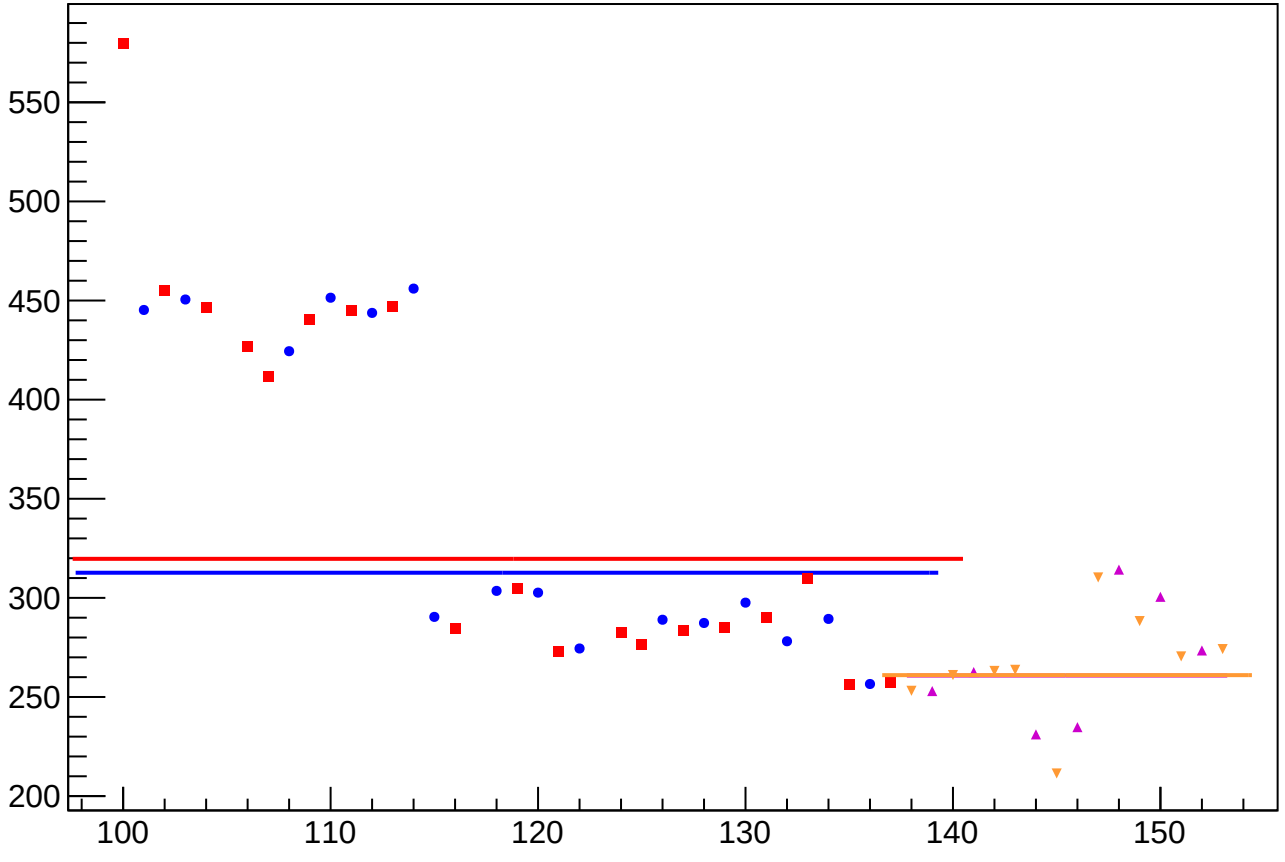
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: 77.631+/-79.170 χ^2/NDF:28.7/22

Out: 37.666+/-76.464 χ^2/NDF:32.8/27

All: 56.954+/-55.000 χ^2/NDF: 61.6/50

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 261.021+/-0.070 χ^2/NDF:153382.8/8

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 260.808+/-0.075 χ^2/NDF:136299.3/6

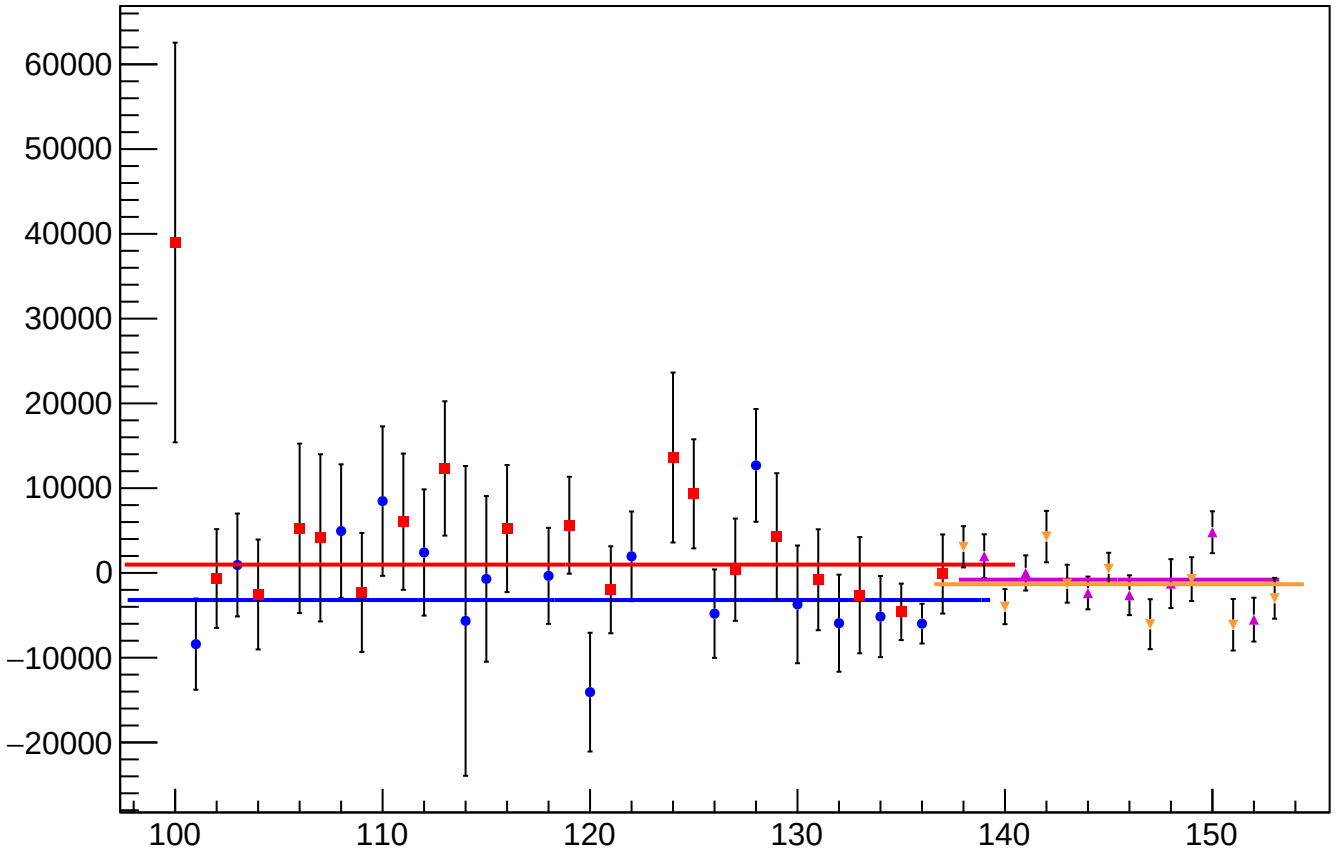
Left: 260.922+/-0.051 χ^2/NDF: 289686.4/15

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 283.818+/-0.056 χ^2/NDF:950437.6/22

Out: 284.765+/-0.054 χ^2/NDF:1130775.8/27

All: 284.308+/-0.039 χ^2/NDF: 2081361.4/50



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1333.956+/-806.927 χ^2/NDF:14.9/8

Right Out: 980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: -795.049+/-888.999 χ^2/NDF:11.0/6

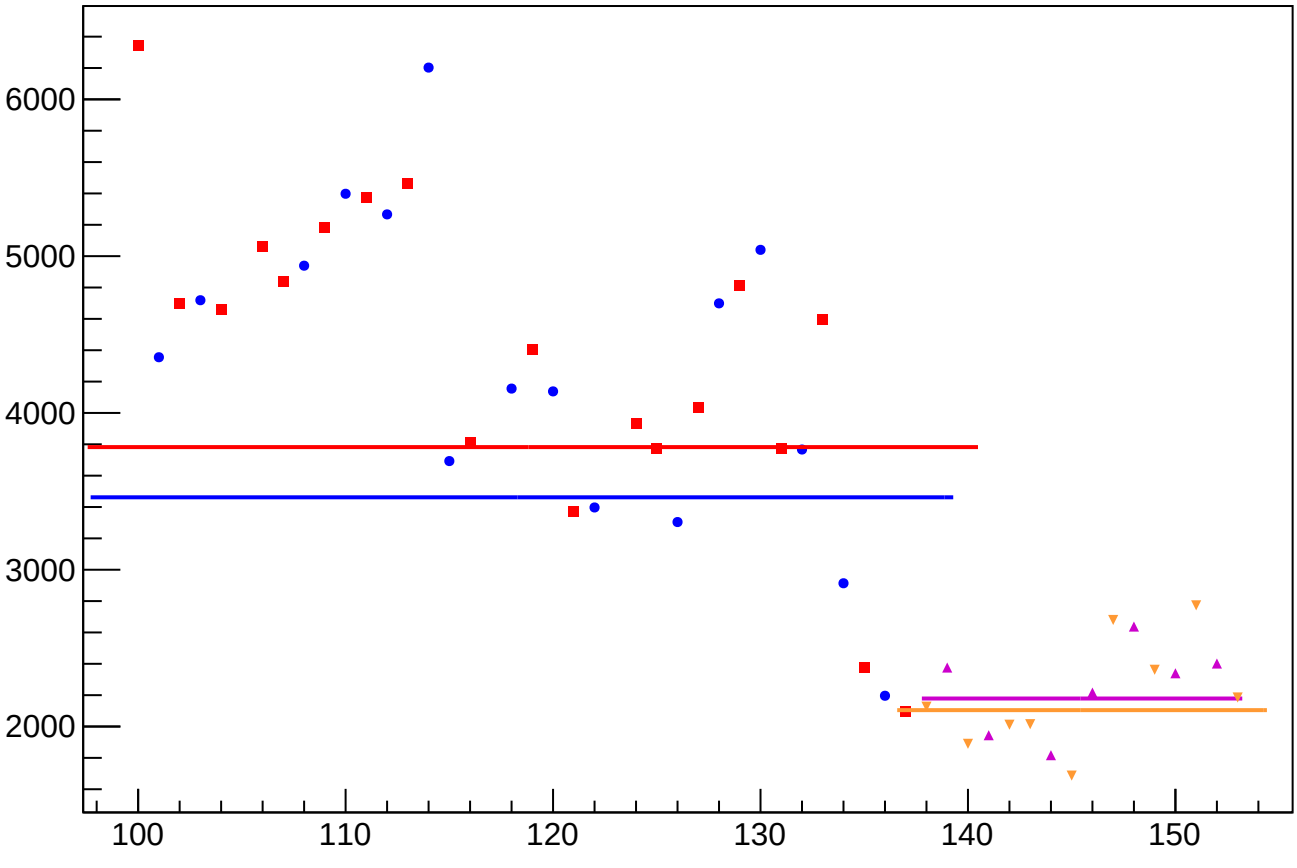
Left: -1090.521+/-597.497 χ^2/NDF: 26.1/15

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -1519.231+/-743.106 χ^2/NDF:29.3/22

Out: -783.831+/-704.551 χ^2/NDF:30.8/27

All: -1131.960+/-511.280 χ^2/NDF: 60.6/50



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2104.471+/-0.571 χ^2/NDF:318850.2/8

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2178.643+/-0.629 χ^2/NDF:181867.4/6

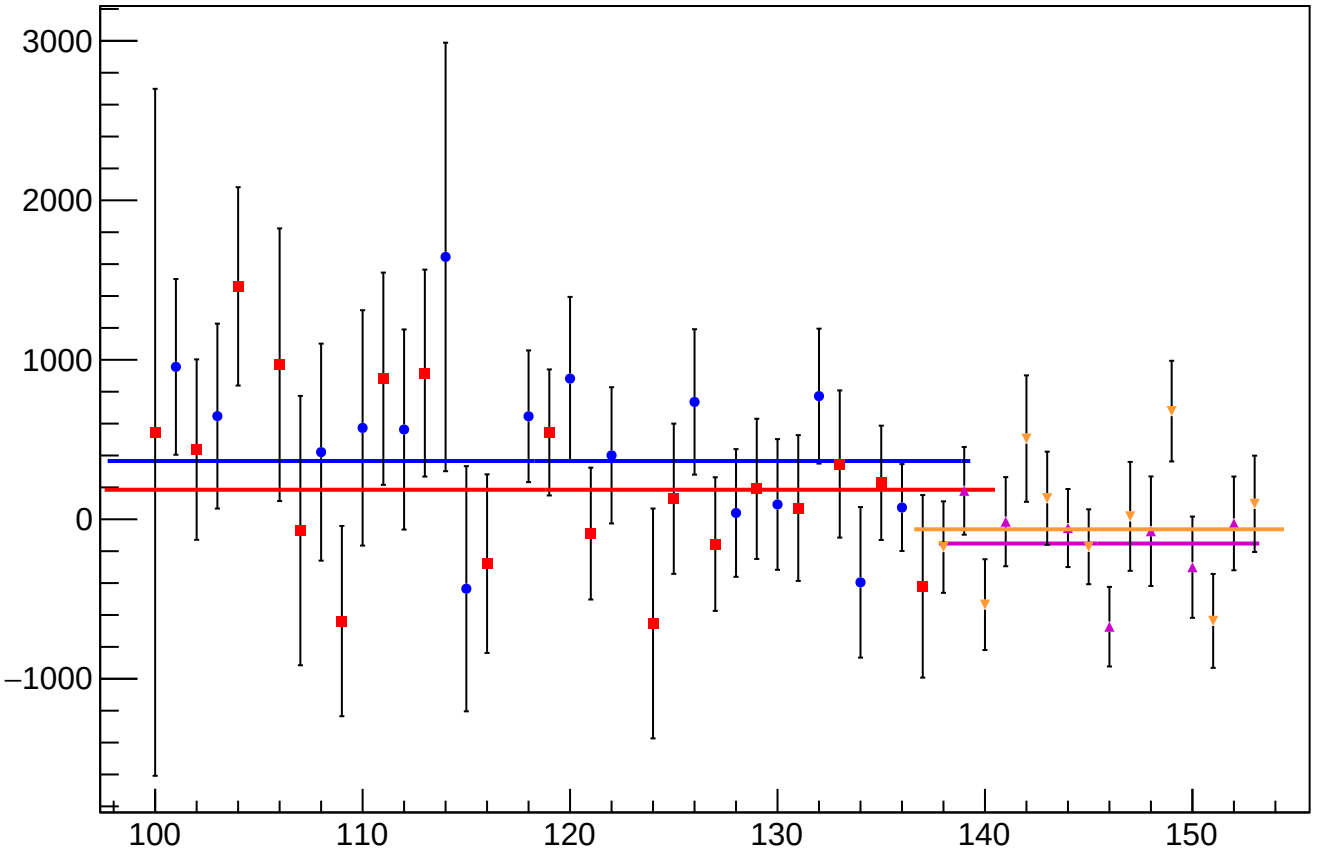
Left: 2137.976+/-0.422 χ^2/NDF: 508351.0/15

Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2565.282+/-0.525 χ^2/NDF:2747081.5/22

Out: 2503.171+/-0.498 χ^2/NDF:3509774.6/27

All: 2532.573+/-0.362 χ^2/NDF: 6264214.2/50



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -62.714+/-99.103 χ^2/NDF:15.3/8

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: -151.864+/-106.134 χ^2/NDF:6.7/6

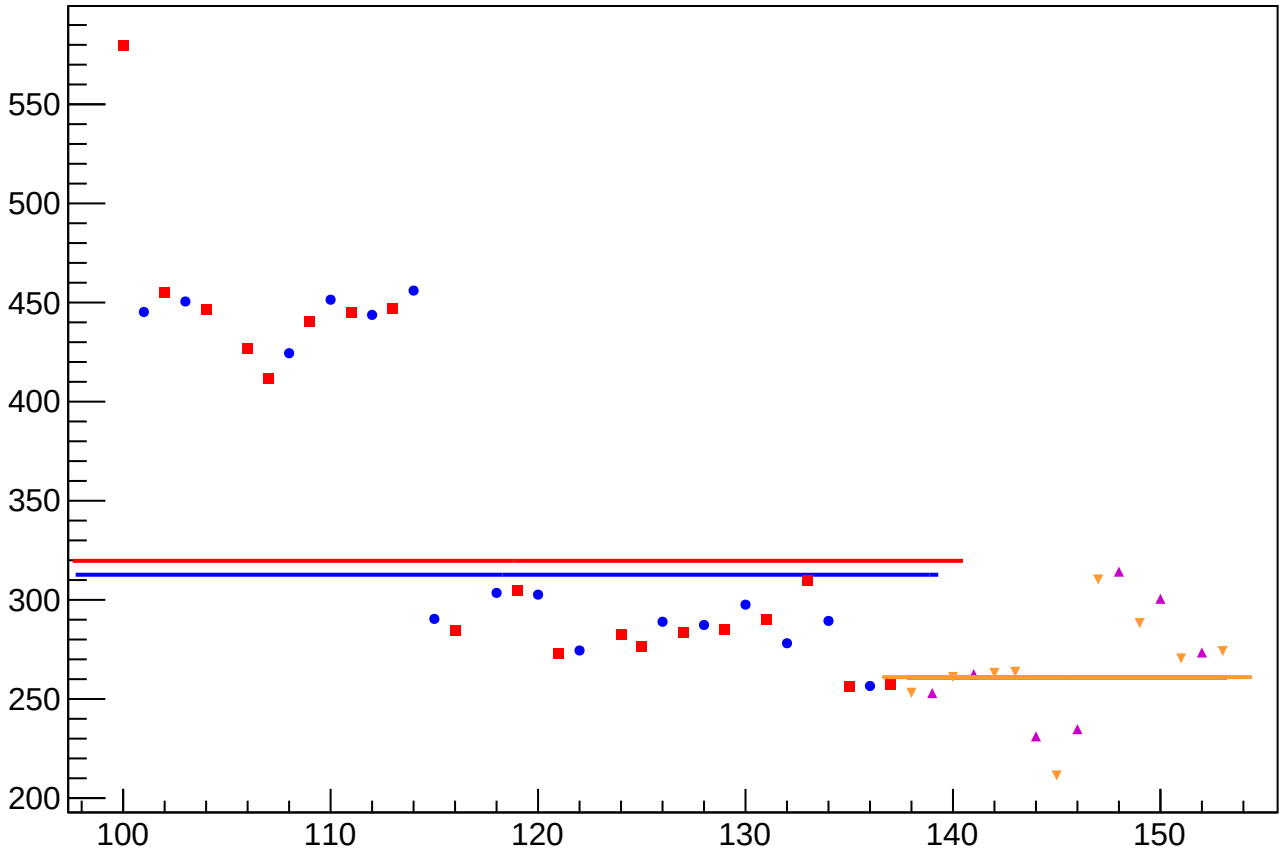
Left: -104.238+/-72.434 χ^2/NDF: 22.3/15

Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: 77.631+/-79.170 χ^2/NDF:28.7/22

Out: 37.666+/-76.464 χ^2/NDF:32.8/27

All: 56.954+/-55.000 χ^2/NDF: 61.6/50



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 261.021+/-0.070 χ^2/NDF:153382.8/8

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 260.808+/-0.075 χ^2/NDF:136299.3/6

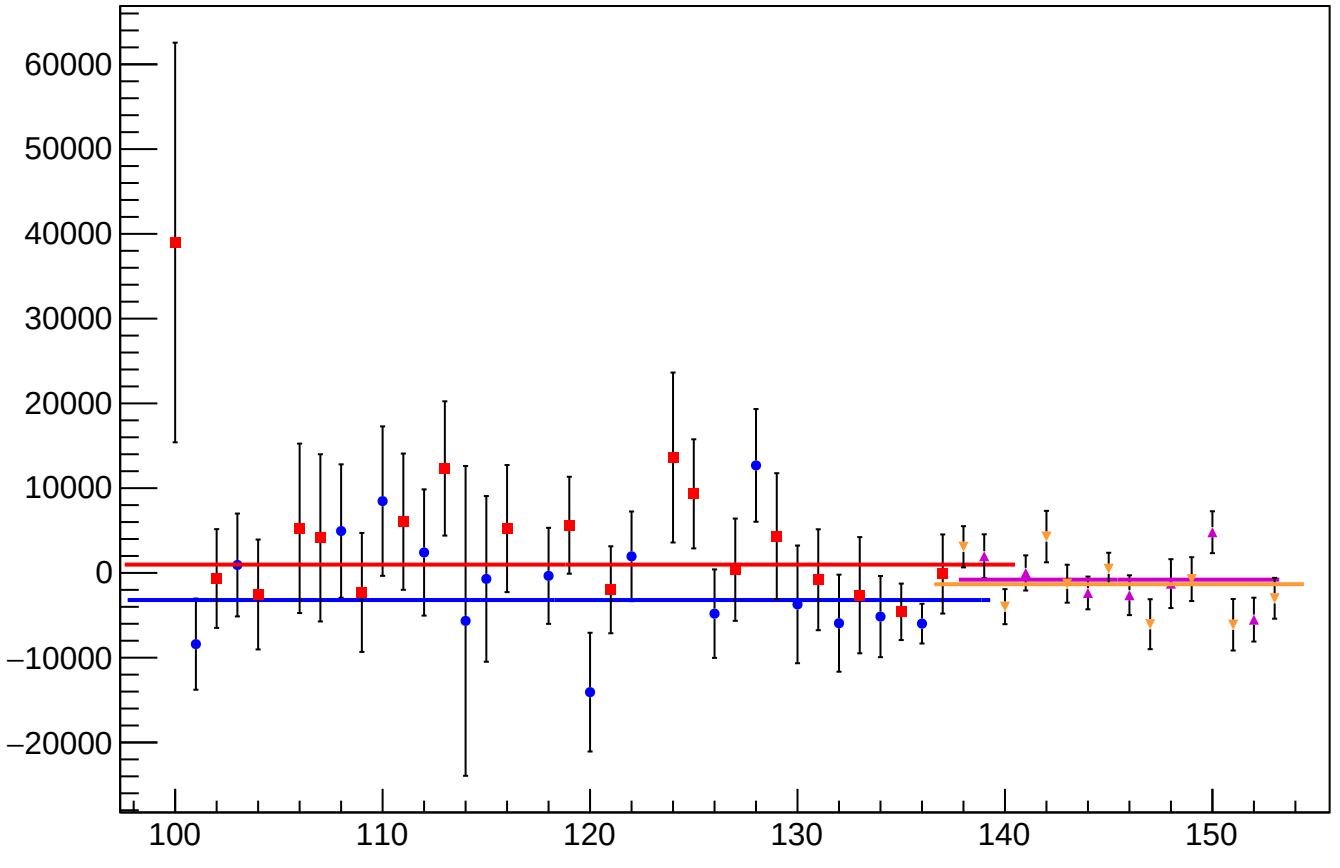
Left: 260.922+/-0.051 χ^2/NDF: 289686.4/15

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 283.818+/-0.056 χ^2/NDF:950437.6/22

Out: 284.765+/-0.054 χ^2/NDF:1130775.8/27

All: 284.308+/-0.039 χ^2/NDF: 2081361.4/50



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1333.956+/-806.927 χ^2/NDF:14.9/8

Right Out: 980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: -795.049+/-888.999 χ^2/NDF:11.0/6

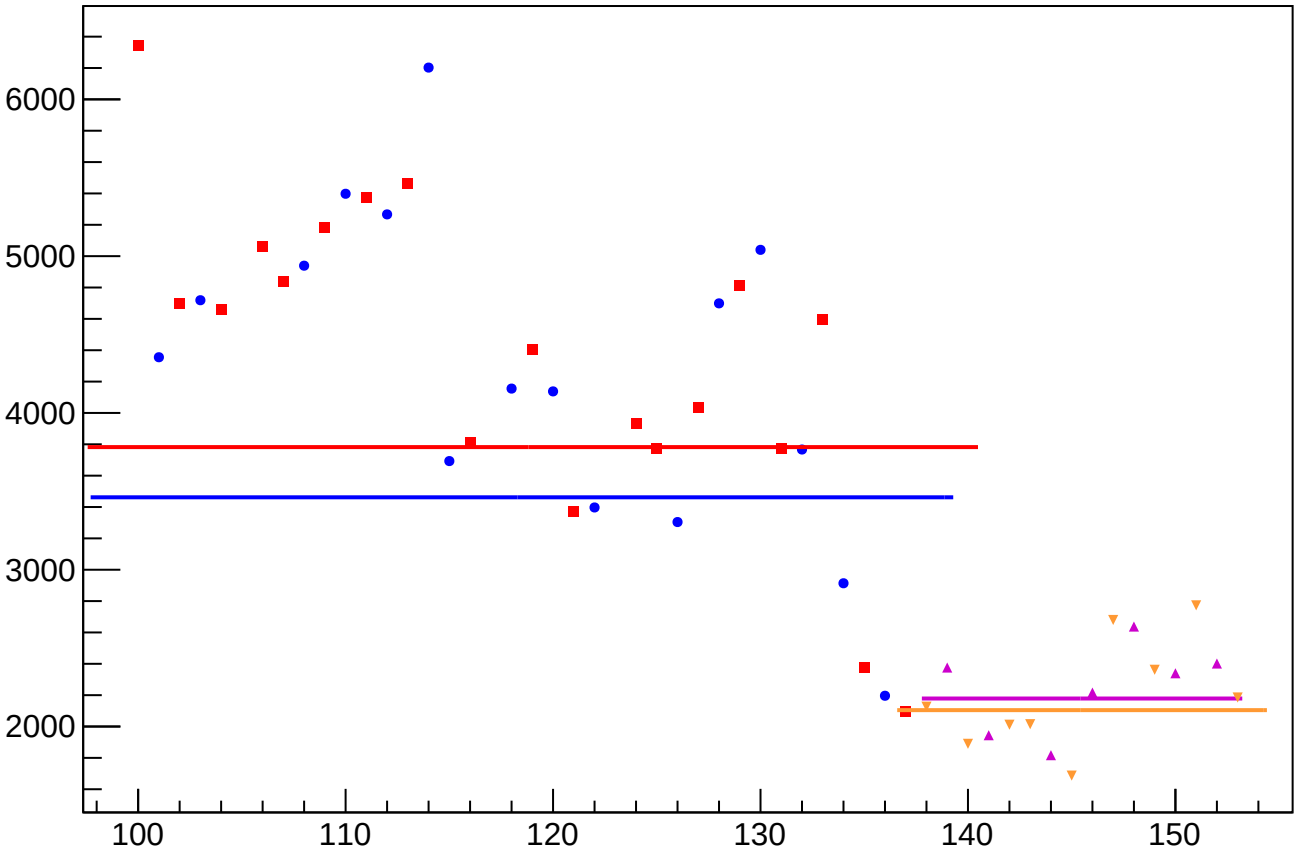
Left: -1090.521+/-597.497 χ^2/NDF: 26.1/15

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -1519.231+/-743.106 χ^2/NDF:29.3/22

Out: -783.831+/-704.551 χ^2/NDF:30.8/27

All: -1131.960+/-511.280 χ^2/NDF: 60.6/50



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2104.471+/-0.571 χ^2/NDF:318850.2/8

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2178.643+/-0.629 χ^2/NDF:181867.4/6

Left: 2137.976+/-0.422 χ^2/NDF: 508351.0/15

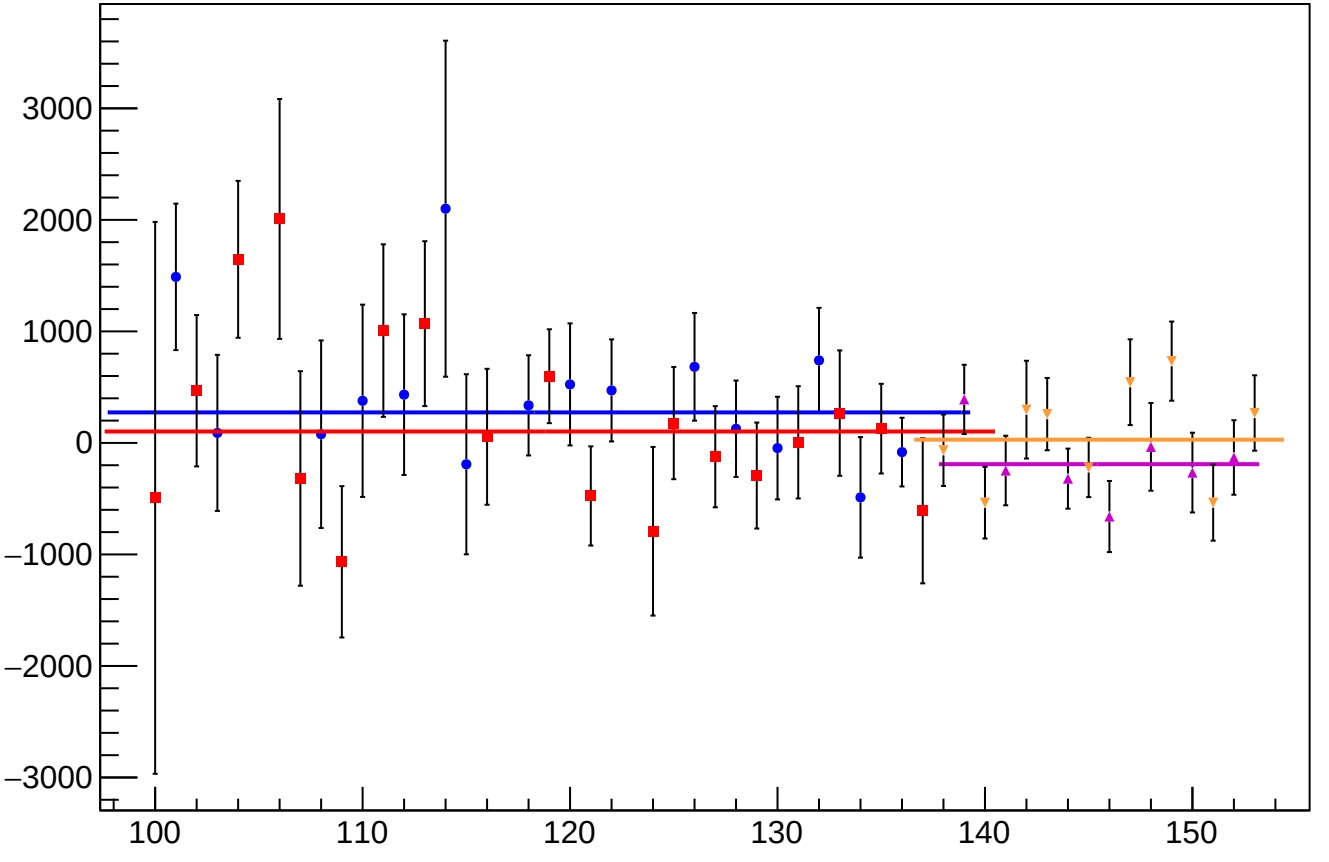
Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2565.282+/-0.525 χ^2/NDF:2747081.5/22

Out: 2503.171+/-0.498 χ^2/NDF:3509774.6/27

All: 2532.573+/-0.362 χ^2/NDF: 6264214.2/50

dit_asym_sam2_mean vs Slug, Sign Corrected



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: 29.126+/-111.573 χ^2/NDF:13.9/8

Right Out: 102.369+/-133.606 χ^2/NDF: 21.3/18

Left In: -190.656+/-121.681 χ^2/NDF:6.2/6

Left: -71.259+/-82.236 χ^2/NDF: 21.8/15

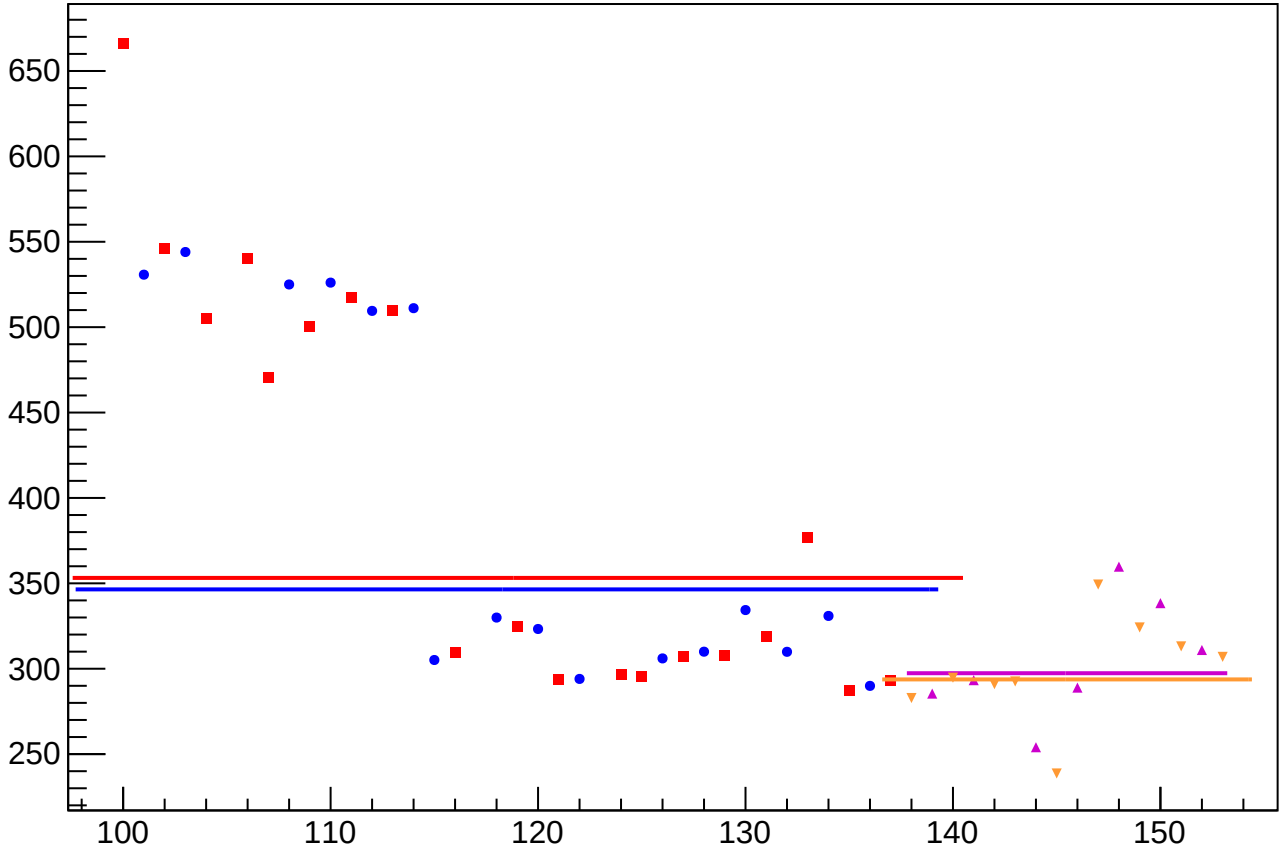
Right: 188.661+/-94.094 χ^2/NDF: 33.6/34

In: 21.673+/-89.634 χ^2/NDF:24.3/22

Out: 59.218+/-85.639 χ^2/NDF:35.4/27

All: 41.301+/-61.920 χ^2/NDF: 59.8/50

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 293.739+/-0.079 χ^2/NDF:154035.3/8

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

Left In: 297.374+/-0.086 χ^2/NDF:136519.6/6

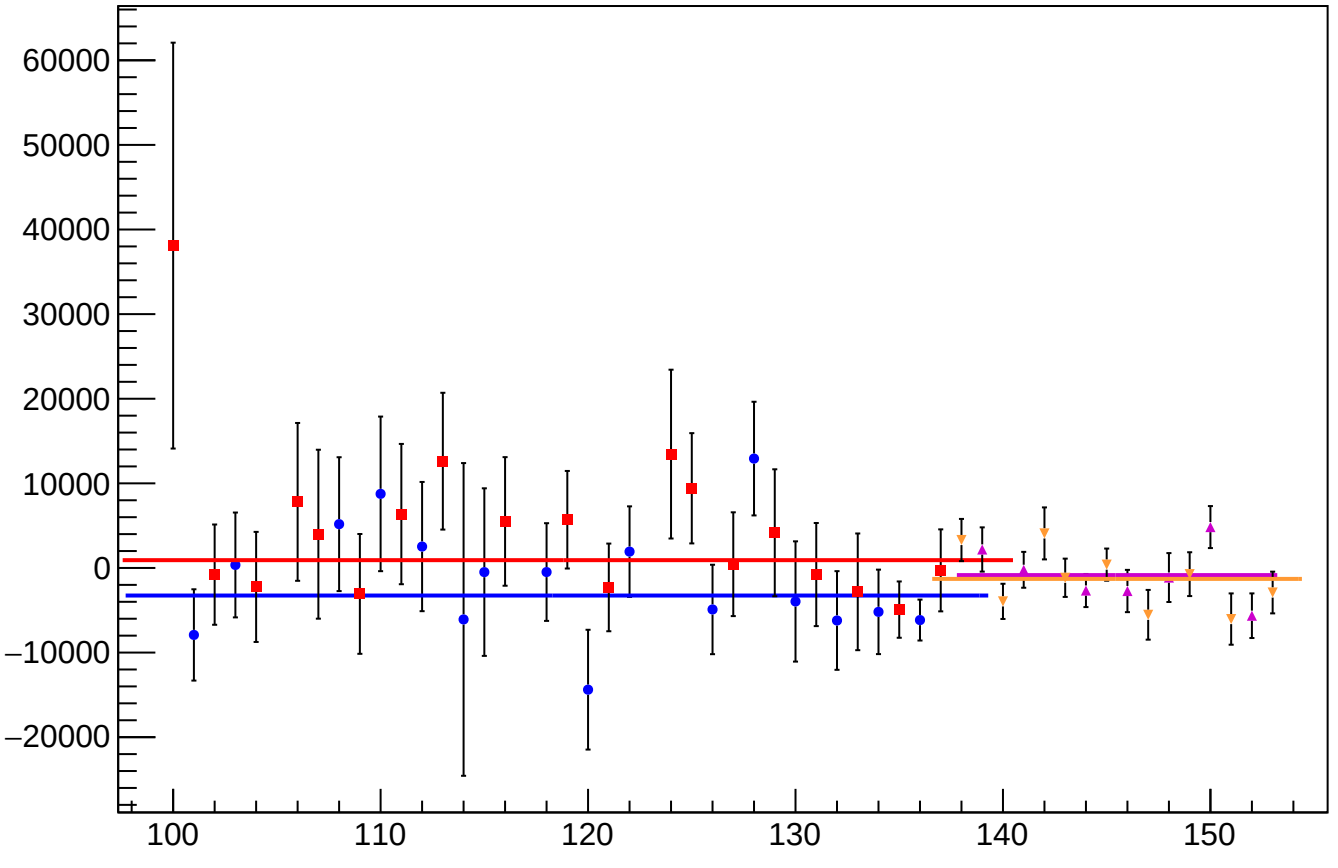
Left: 295.399+/-0.058 χ^2/NDF: 291524.5/15

Right: 349.789+/-0.067 χ^2/NDF: 1637679.7/34

In: 319.822+/-0.063 χ^2/NDF:1054109.2/22

Out: 318.160+/-0.061 χ^2/NDF:1253605.0/27

All: 318.953+/-0.044 χ^2/NDF: 2308073.9/50



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -1292.992+/-814.118 χ^2/NDF:13.9/8

Right Out: 921.196+/-1460.727 χ^2/NDF: 14.6/18

Left In: -843.649+/-906.723 χ^2/NDF:11.4/6

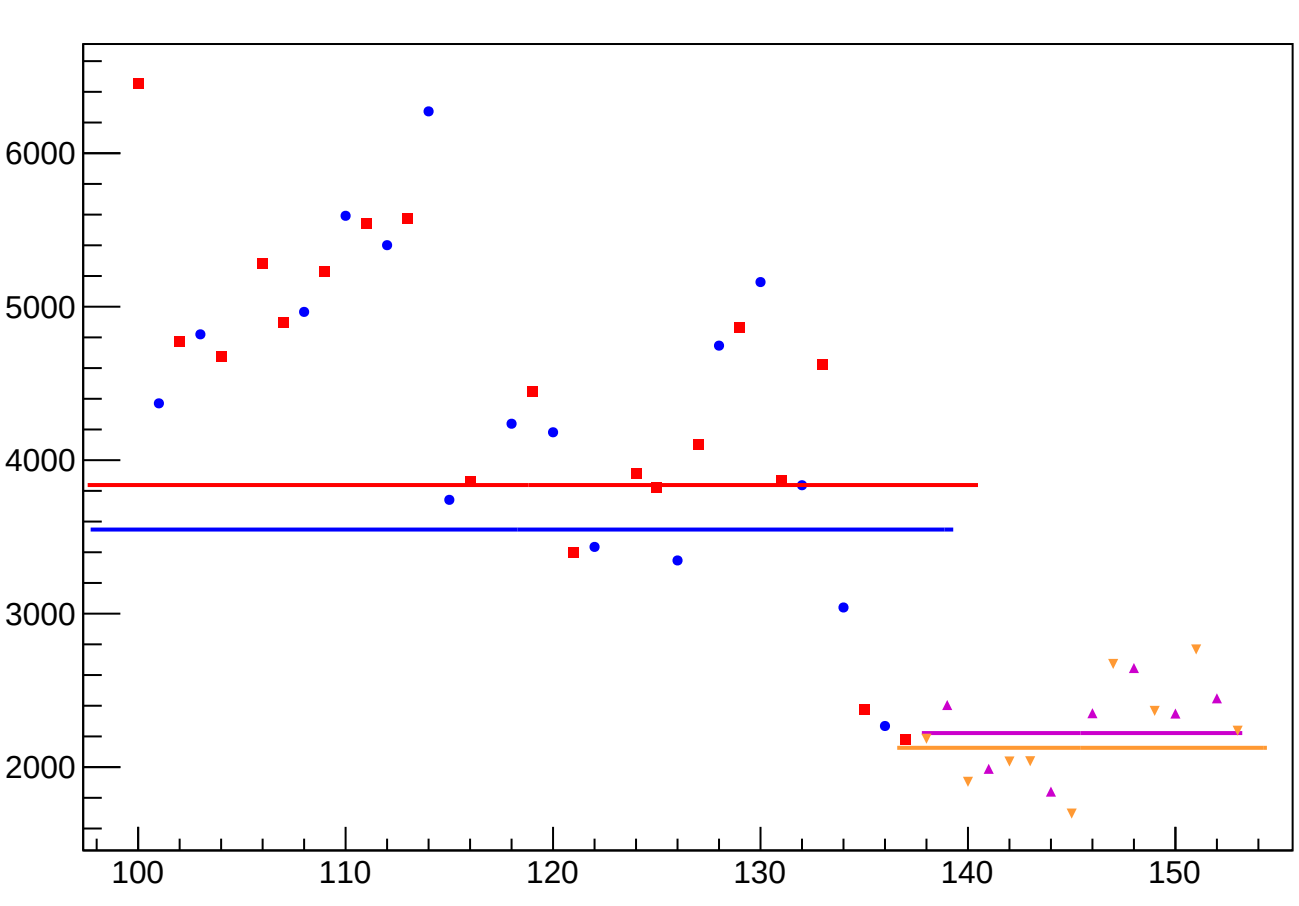
Left: -1092.431+/-605.771 χ^2/NDF: 25.4/15

Right: -1281.271+/-1004.719 χ^2/NDF: 35.0/34

In: -1568.866+/-758.470 χ^2/NDF:29.6/22

Out: -768.218+/-711.129 χ^2/NDF:30.3/27

All: -1142.777+/-518.773 χ^2/NDF: 60.4/50



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2125.833+/-0.576 χ^2/NDF:310076.9/8

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

Left In: 2221.876+/-0.641 χ^2/NDF:178348.3/6

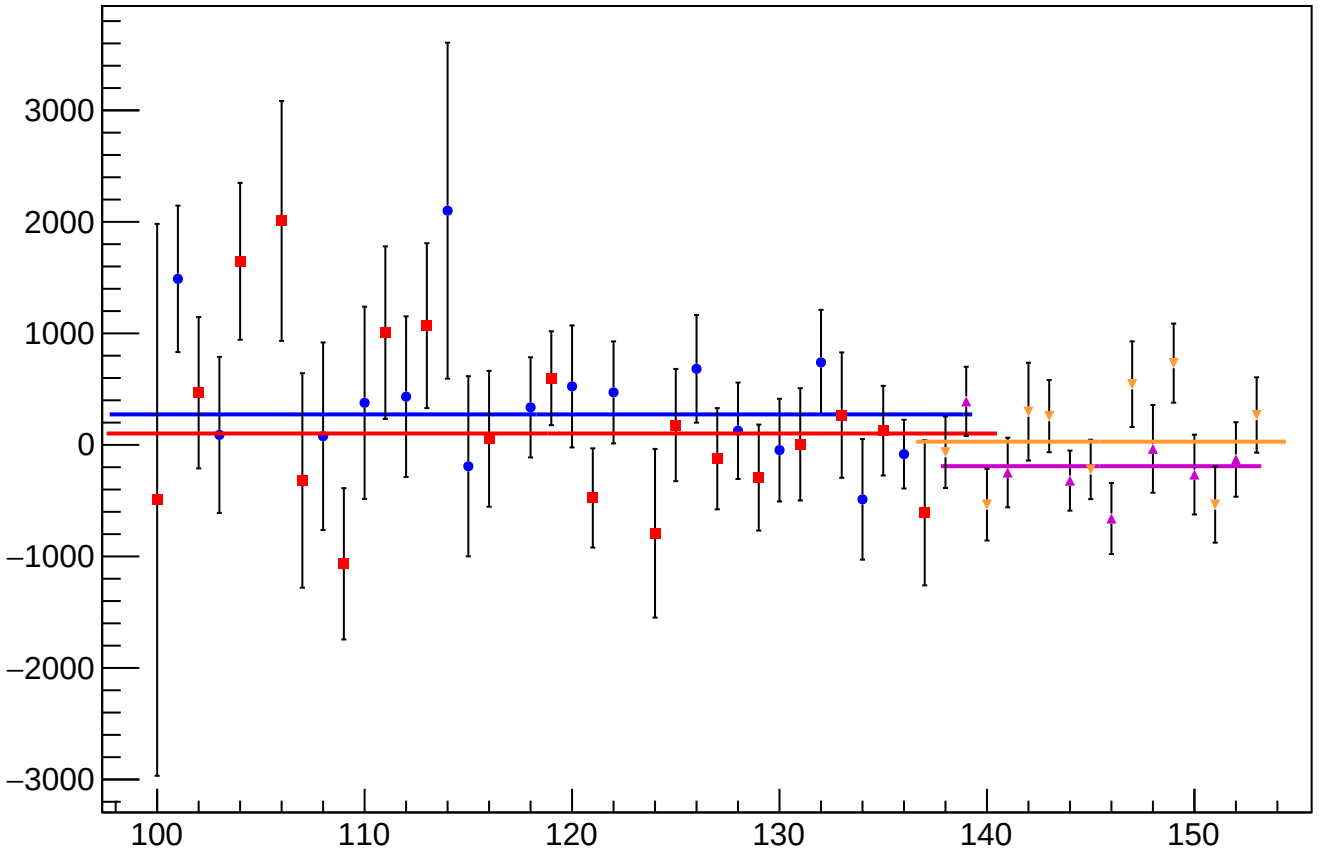
Left: 2168.701+/-0.428 χ^2/NDF: 500849.2/15

Right: 3685.168+/-0.710 χ^2/NDF: 2455854.0/34

In: 2620.067+/-0.536 χ^2/NDF:2721371.7/22

Out: 2531.618+/-0.503 χ^2/NDF:3562387.0/27

All: 2572.996+/-0.367 χ^2/NDF: 6298233.0/50



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: 29.121+/-111.573 χ^2/NDF:13.9/8

Right Out: 102.368+/-133.606 χ^2/NDF: 21.3/18

Left In: -190.659+/-121.682 χ^2/NDF:6.2/6

Left: -71.262+/-82.236 χ^2/NDF: 21.8/15

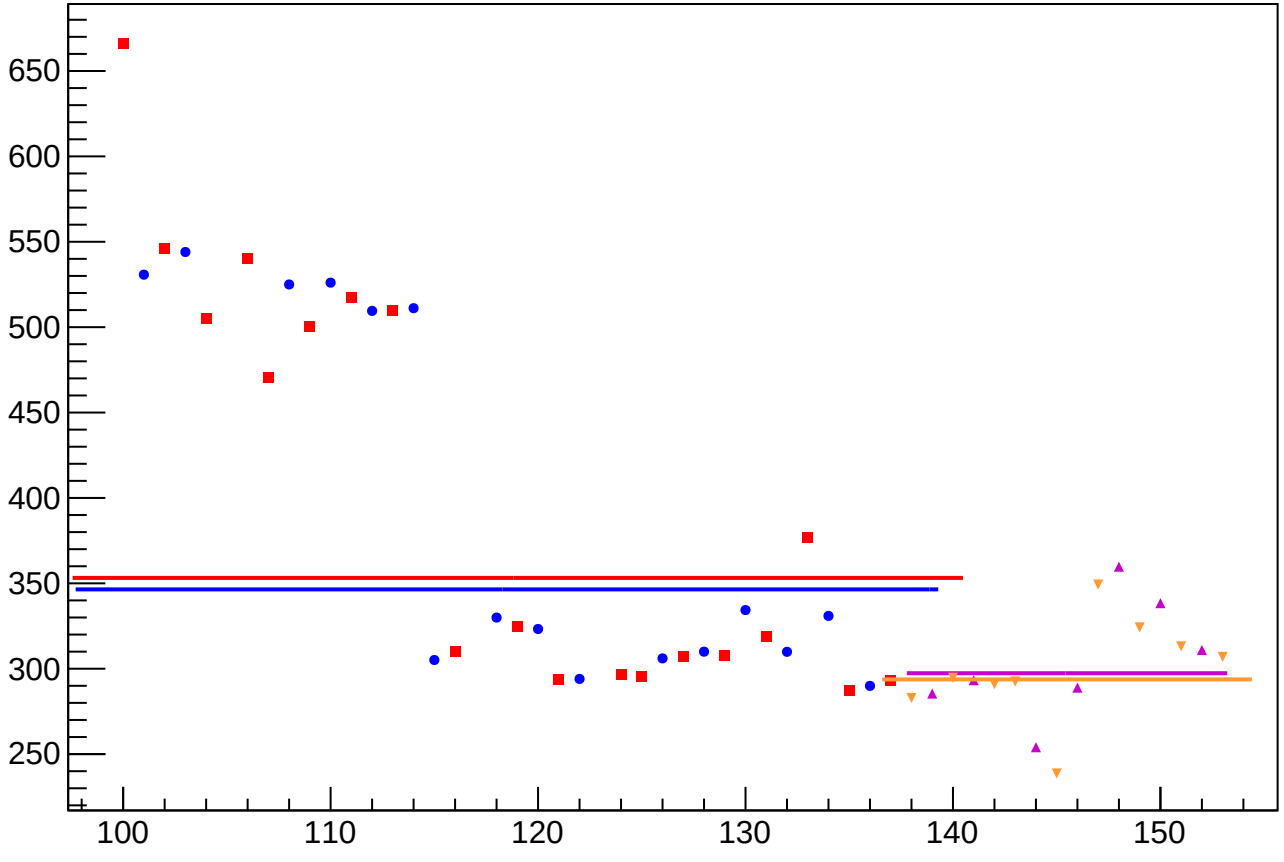
Right: 188.663+/-94.093 χ^2/NDF: 33.6/34

In: 21.675+/-89.634 χ^2/NDF:24.3/22

Out: 59.215+/-85.639 χ^2/NDF:35.4/27

All: 41.300+/-61.920 χ^2/NDF: 59.8/50

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 293.739+/-0.079 χ^2/NDF:154038.3/8

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

Left In: 297.374+/-0.086 χ^2/NDF:136521.3/6

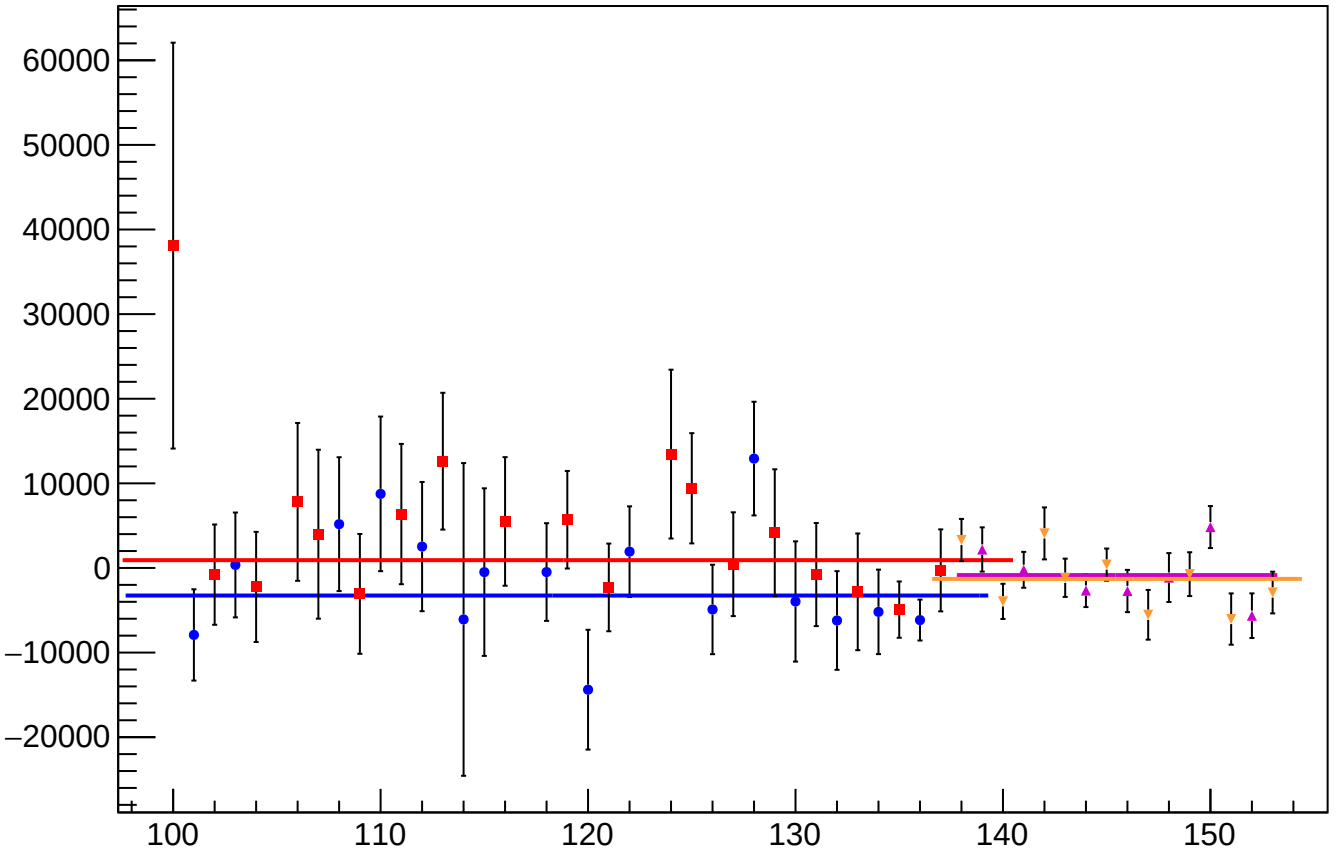
Left: 295.399+/-0.058 χ^2/NDF: 291529.1/15

Right: 349.788+/-0.067 χ^2/NDF: 1637661.2/34

In: 319.822+/-0.063 χ^2/NDF:1054090.5/22

Out: 318.159+/-0.061 χ^2/NDF:1253587.5/27

All: 318.953+/-0.044 χ^2/NDF: 2308037.6/50



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -1292.992+/-814.117 χ^2/NDF:13.9/8

Right Out: 921.200+/-1460.725 χ^2/NDF: 14.6/18

Left In: -843.646+/-906.722 χ^2/NDF:11.4/6

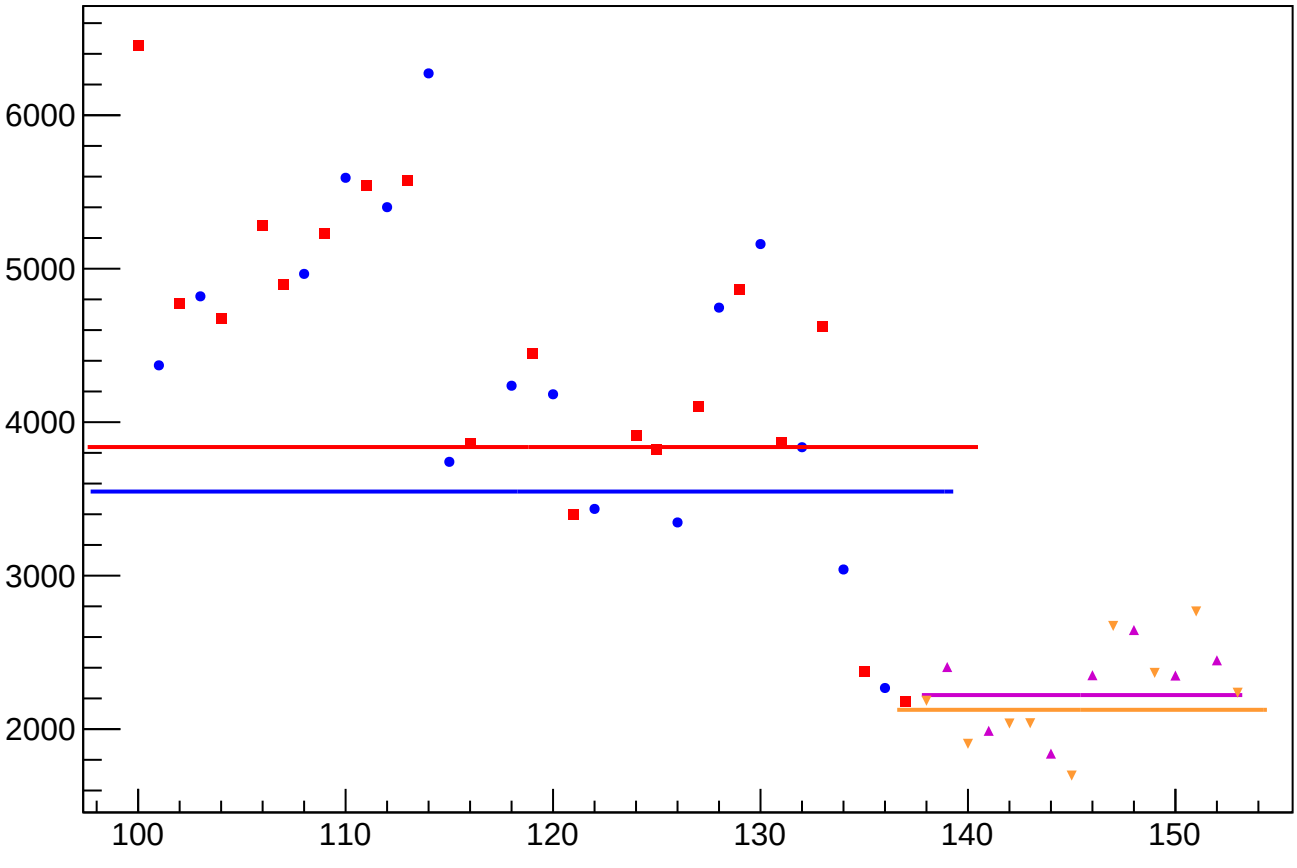
Left: -1092.430+/-605.770 χ^2/NDF: 25.4/15

Right: -1281.264+/-1004.718 χ^2/NDF: 35.0/34

In: -1568.863+/-758.470 χ^2/NDF:29.6/22

Out: -768.216+/-711.128 χ^2/NDF:30.3/27

All: -1142.774+/-518.773 χ^2/NDF: 60.4/50



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2125.831+/-0.576 χ^2/NDF:310081.0/8

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

Left In: 2221.875+/-0.641 χ^2/NDF:178348.0/6

Left: 2168.699+/-0.428 χ^2/NDF: 500853.3/15

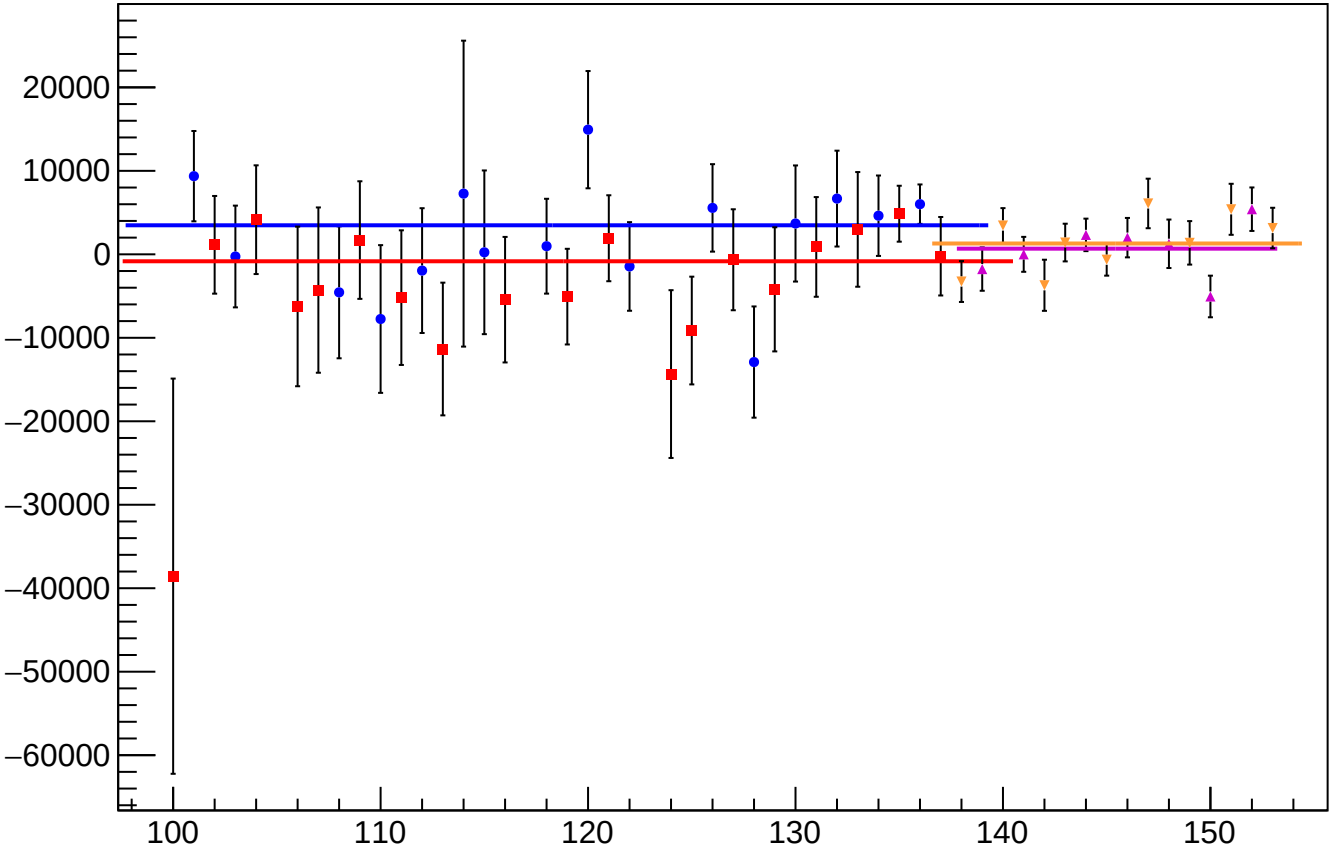
Right: 3685.164+/-0.710 χ^2/NDF: 2455829.5/34

In: 2620.066+/-0.536 χ^2/NDF:2721356.4/22

Out: 2531.616+/-0.503 χ^2/NDF:3562380.3/27

All: 2572.995+/-0.367 χ^2/NDF: 6298211.3/50

asym_sam2_mean vs Slug, Sign Corrected



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 1296.362+/-813.316 χ^2/NDF:13.2/8

Right Out: -832.583+/-1449.649 χ^2/NDF: 14.0/18

Left In: 677.224+/-895.638 χ^2/NDF:10.6/6

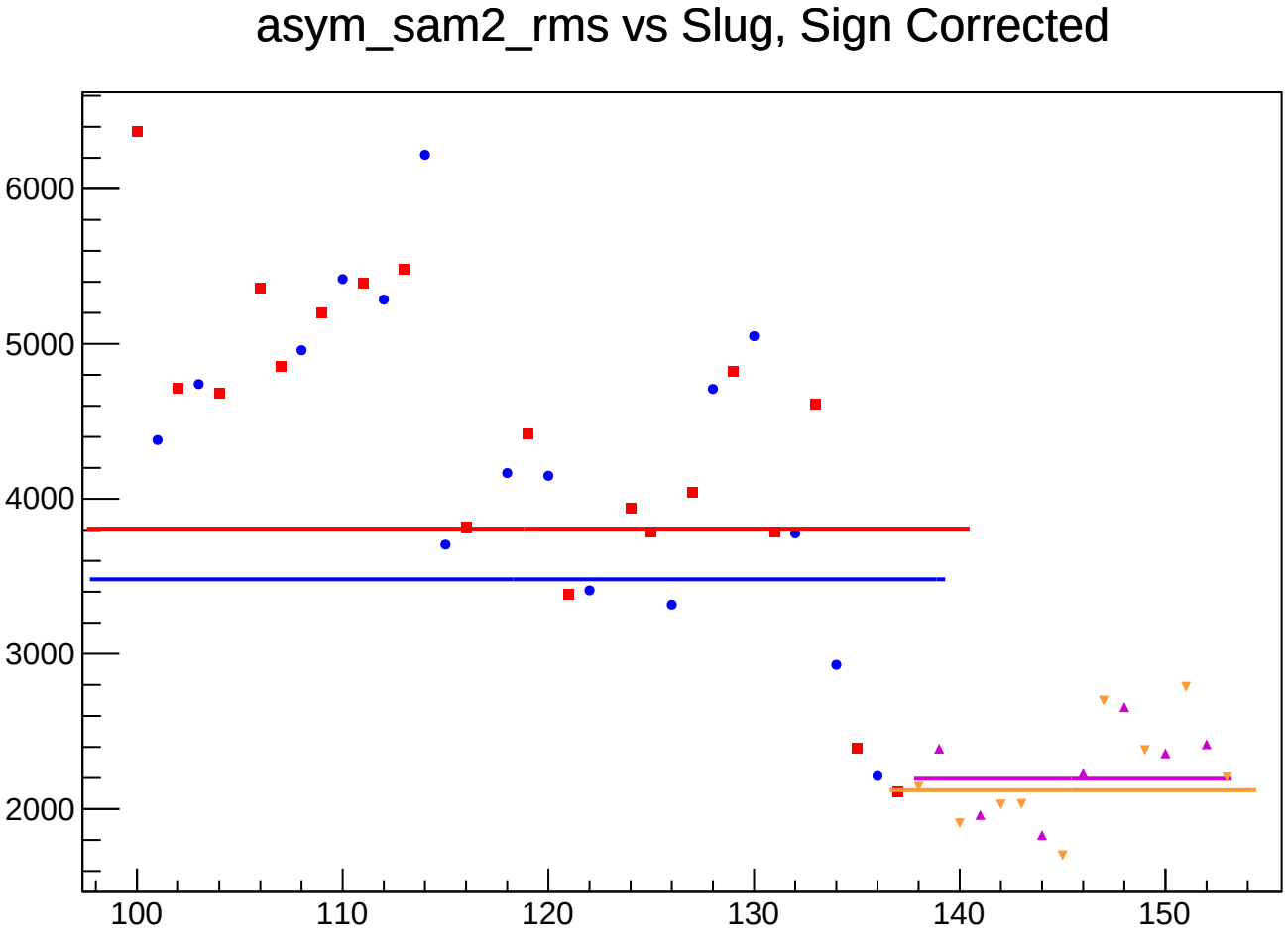
Left: 1016.548+/-602.106 χ^2/NDF: 24.1/15

Right: 1459.744+/-991.983 χ^2/NDF: 35.1/34

In: 1524.270+/-748.063 χ^2/NDF:29.9/22

Out: 786.669+/-709.308 χ^2/NDF:28.9/27

All: 1135.869+/-514.712 χ^2/NDF: 59.3/50



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2121.618+/-0.575 χ^2/NDF:315291.9/8

Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

Left In: 2195.210+/-0.633 χ^2/NDF:179767.3/6

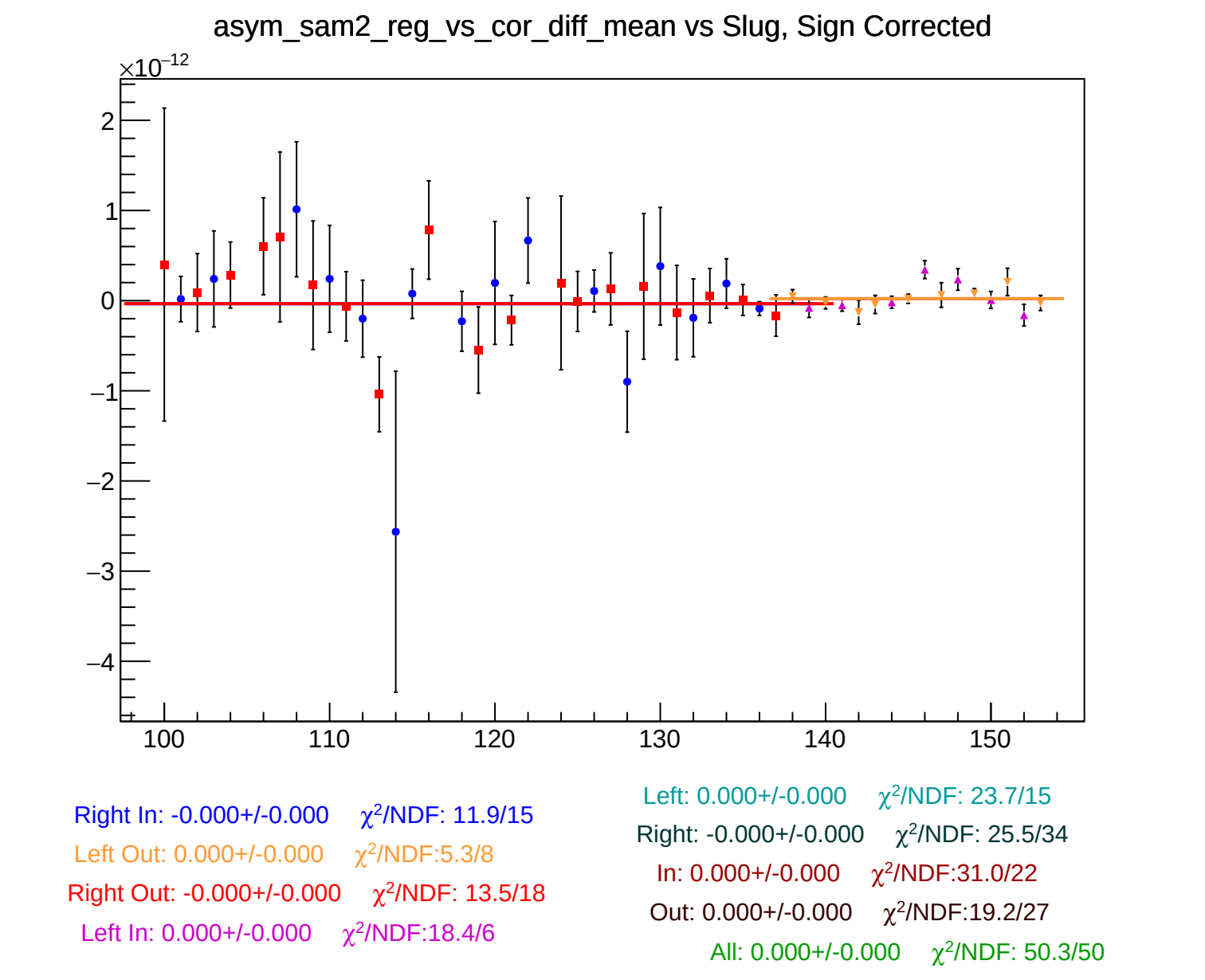
Left: 2154.877+/-0.426 χ^2/NDF: 502459.5/15

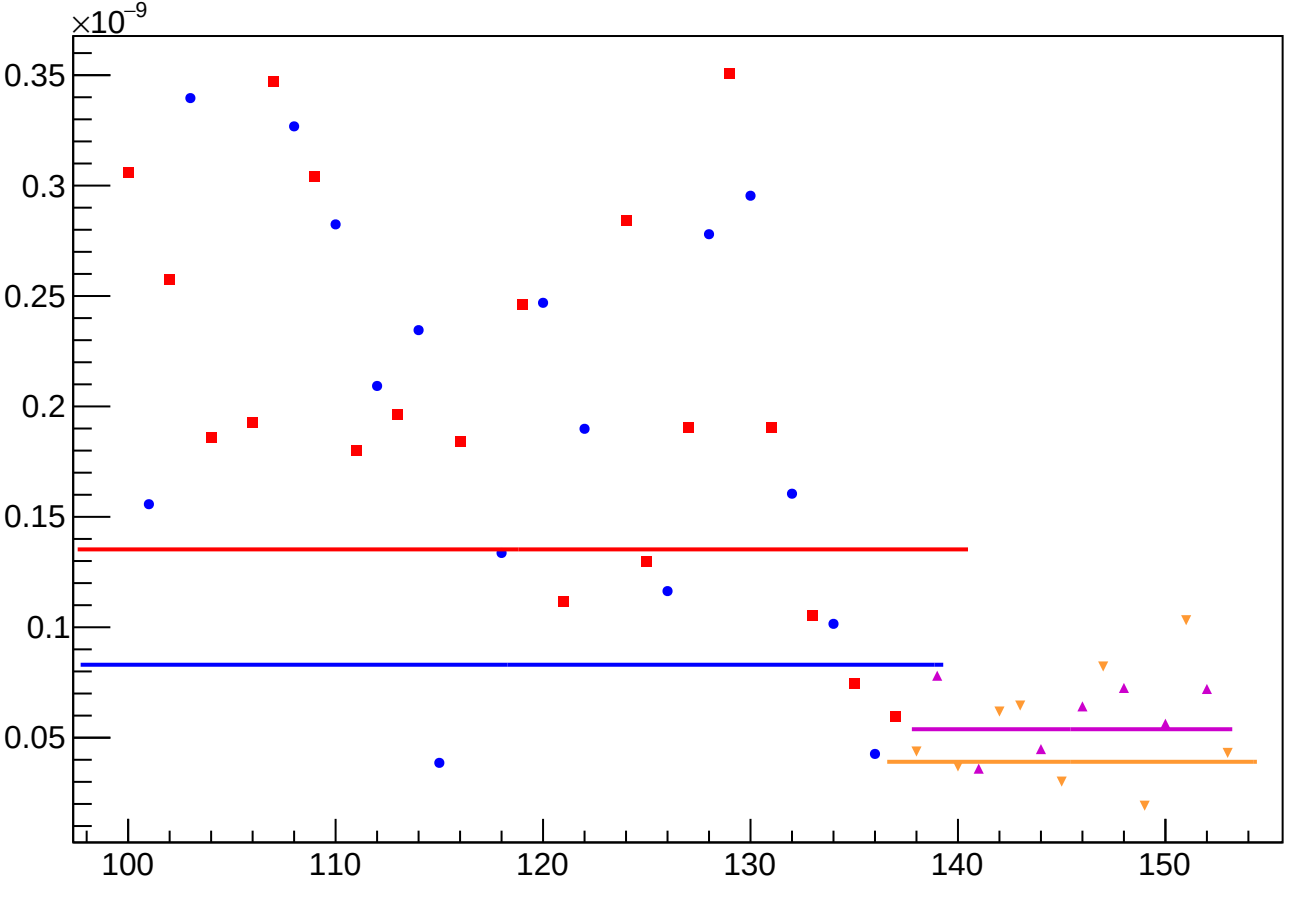
Right: 3633.956+/-0.701 χ^2/NDF: 2498515.1/34

In: 2583.890+/-0.529 χ^2/NDF:2722008.3/22

Out: 2525.392+/-0.502 χ^2/NDF:3521799.3/27

All: 2553.087+/-0.364 χ^2/NDF: 6250247.6/50


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
Right In: -0.000+/-0.000 χ²/NDF: 11.9/15
Left Out: 0.000+/-0.000 χ²/NDF:5.3/8
Right Out: -0.000+/-0.000 χ²/NDF: 13.5/18
Left In: 0.000+/-0.000 χ²/NDF:18.4/6
Left: 0.000+/-0.000 χ²/NDF: 23.7/15
Right: -0.000+/-0.000 χ²/NDF: 25.5/34
In: 0.000+/-0.000 χ²/NDF:31.0/22
Out: 0.000+/-0.000 χ²/NDF:19.2/27
All: 0.000+/-0.000 χ²/NDF: 50.3/50



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1075846.3/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

Left In: 0.000+/-0.000 χ^2/NDF:400012.5/6

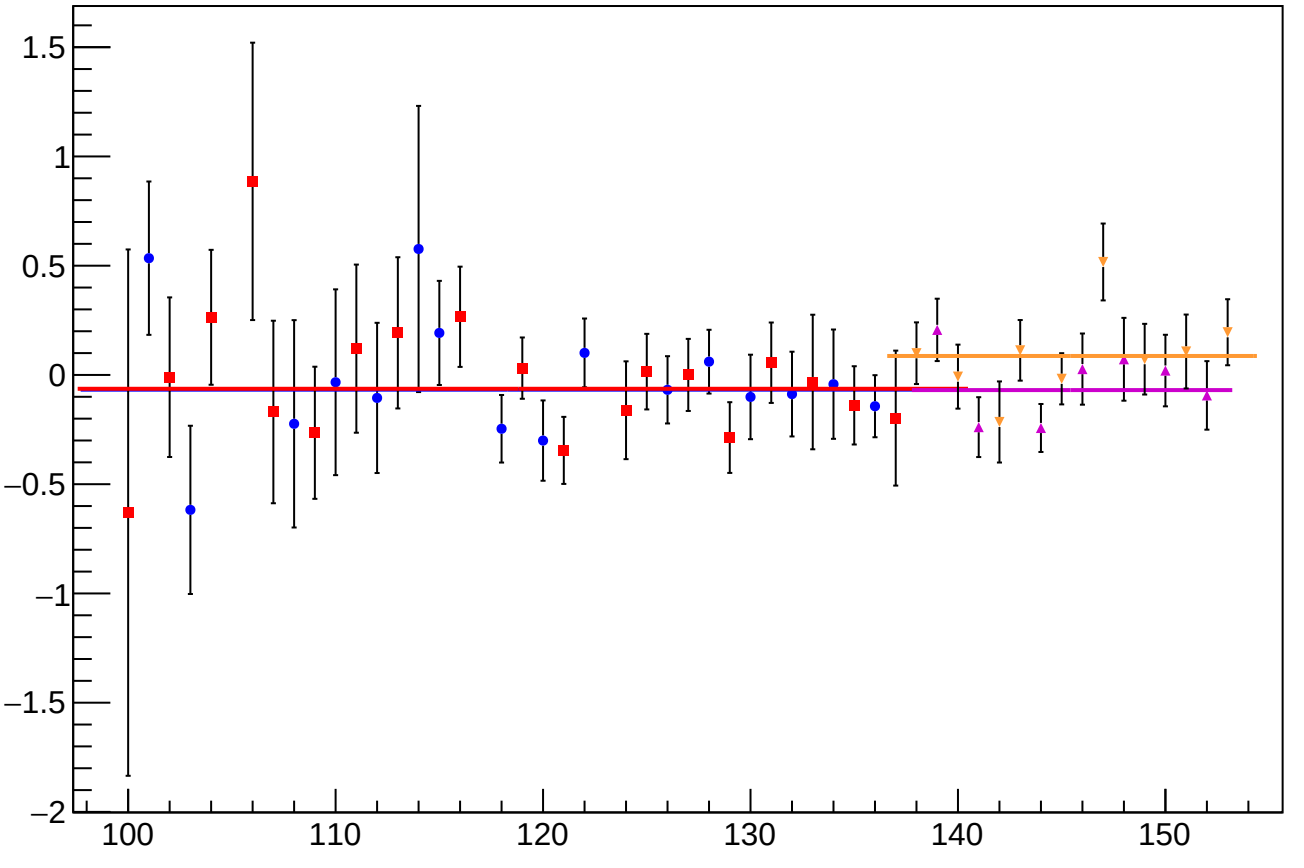
Left: 0.000+/-0.000 χ^2/NDF: 1719049.7/15

Right: 0.000+/-0.000 χ^2/NDF: 4605860.5/34

In: 0.000+/-0.000 χ^2/NDF:3457702.6/22

Out: 0.000+/-0.000 χ^2/NDF:4831040.7/27

All: 0.000+/-0.000 χ^2/NDF: 8537184.3/50



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.087+/-0.050 χ^2/NDF:10.4/8

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.069+/-0.055 χ^2/NDF:9.0/6

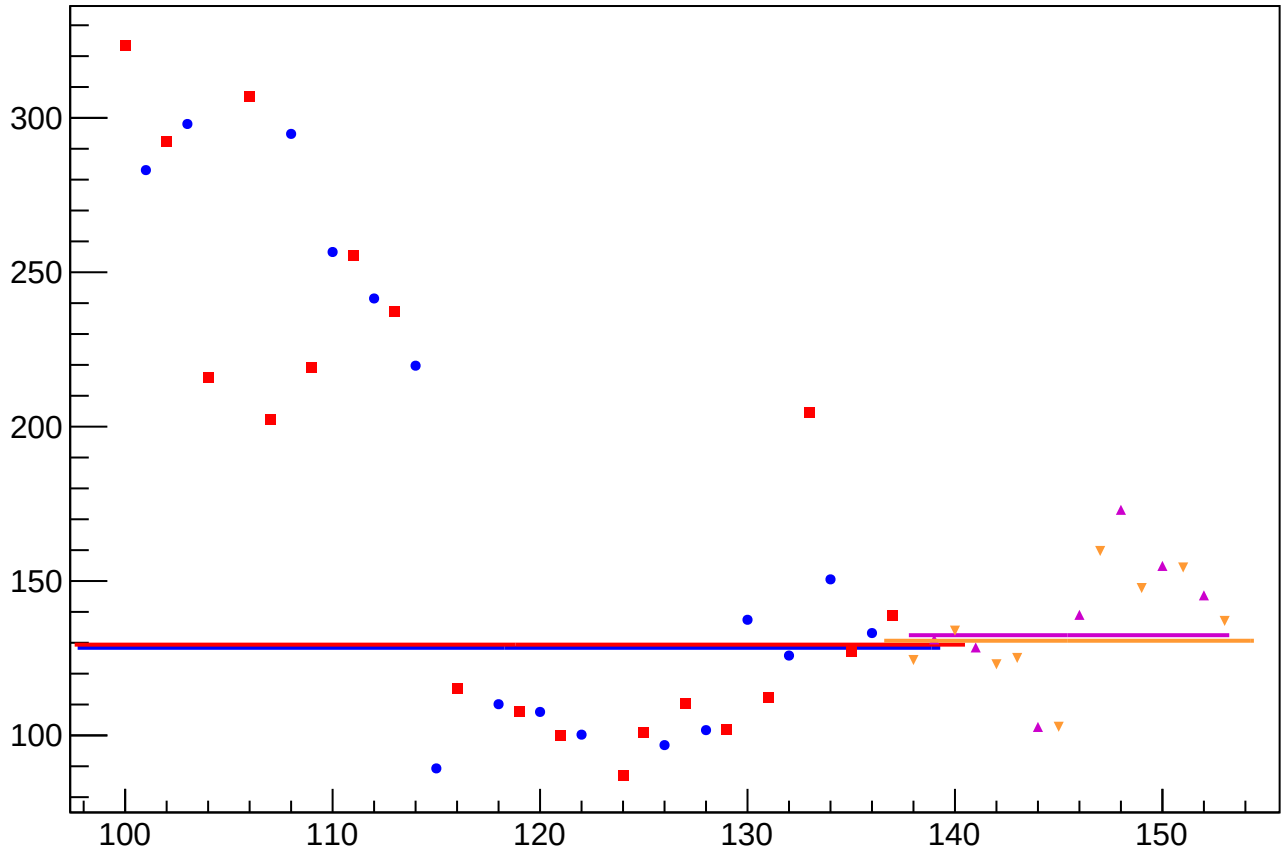
Left: 0.016+/-0.037 χ^2/NDF: 23.8/15

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.068+/-0.038 χ^2/NDF:21.4/22

Out: 0.014+/-0.036 χ^2/NDF:28.8/27

All: -0.025+/-0.026 χ^2/NDF: 52.8/50



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 130.660+/-0.035 χ^2/NDF:244478.7/8

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 132.453+/-0.039 χ^2/NDF:294489.3/6

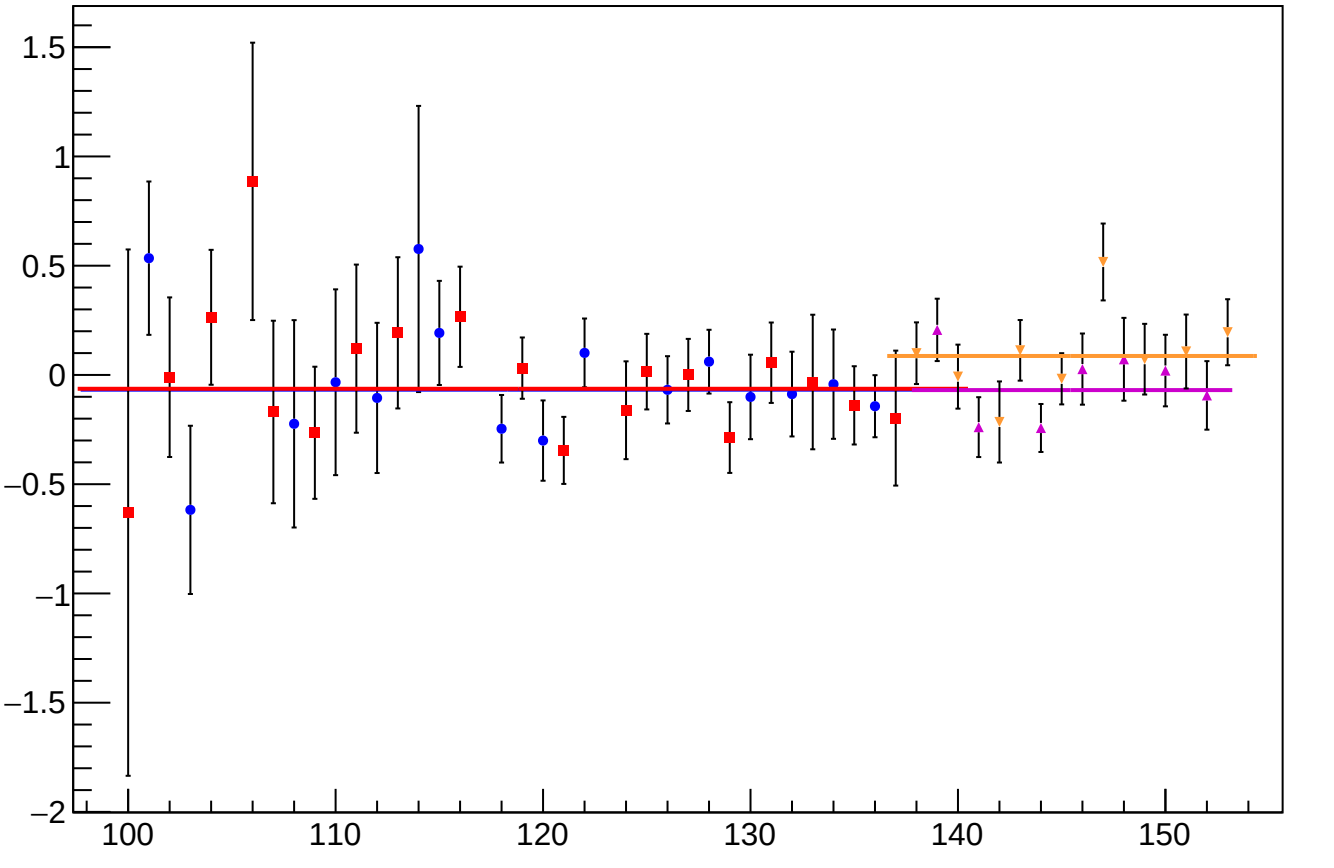
Left: 131.469+/-0.026 χ^2/NDF: 540128.4/15

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 130.288+/-0.027 χ^2/NDF:2105367.8/22

Out: 130.049+/-0.025 χ^2/NDF:2133366.1/27

All: 130.163+/-0.018 χ^2/NDF: 4238775.9/50



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.087+/-0.050 χ^2/NDF:10.4/8

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.069+/-0.055 χ^2/NDF:9.0/6

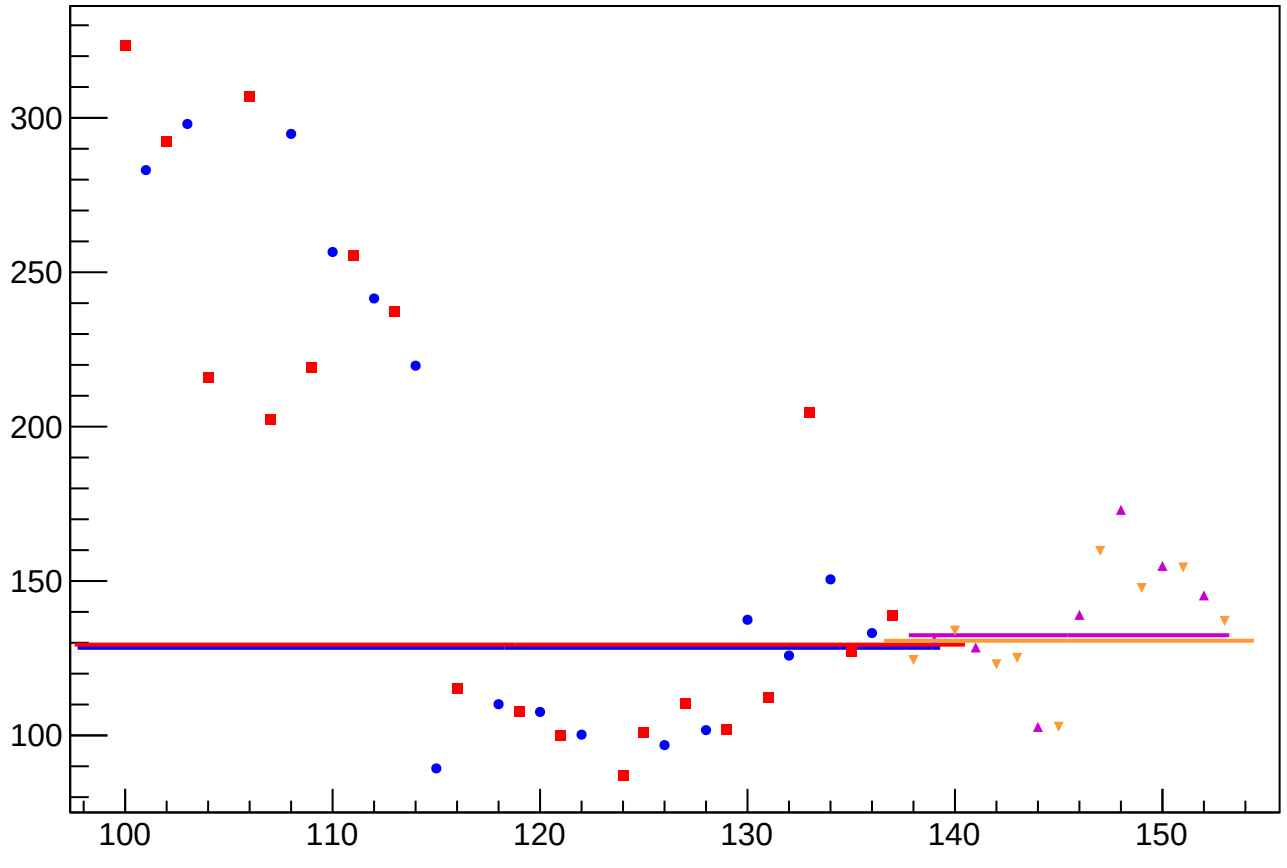
Left: 0.016+/-0.037 χ^2/NDF: 23.8/15

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.068+/-0.038 χ^2/NDF:21.4/22

Out: 0.014+/-0.036 χ^2/NDF:28.8/27

All: -0.025+/-0.026 χ^2/NDF: 52.8/50



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 130.660+/-0.035 χ^2/NDF:244478.7/8

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 132.453+/-0.039 χ^2/NDF:294489.3/6

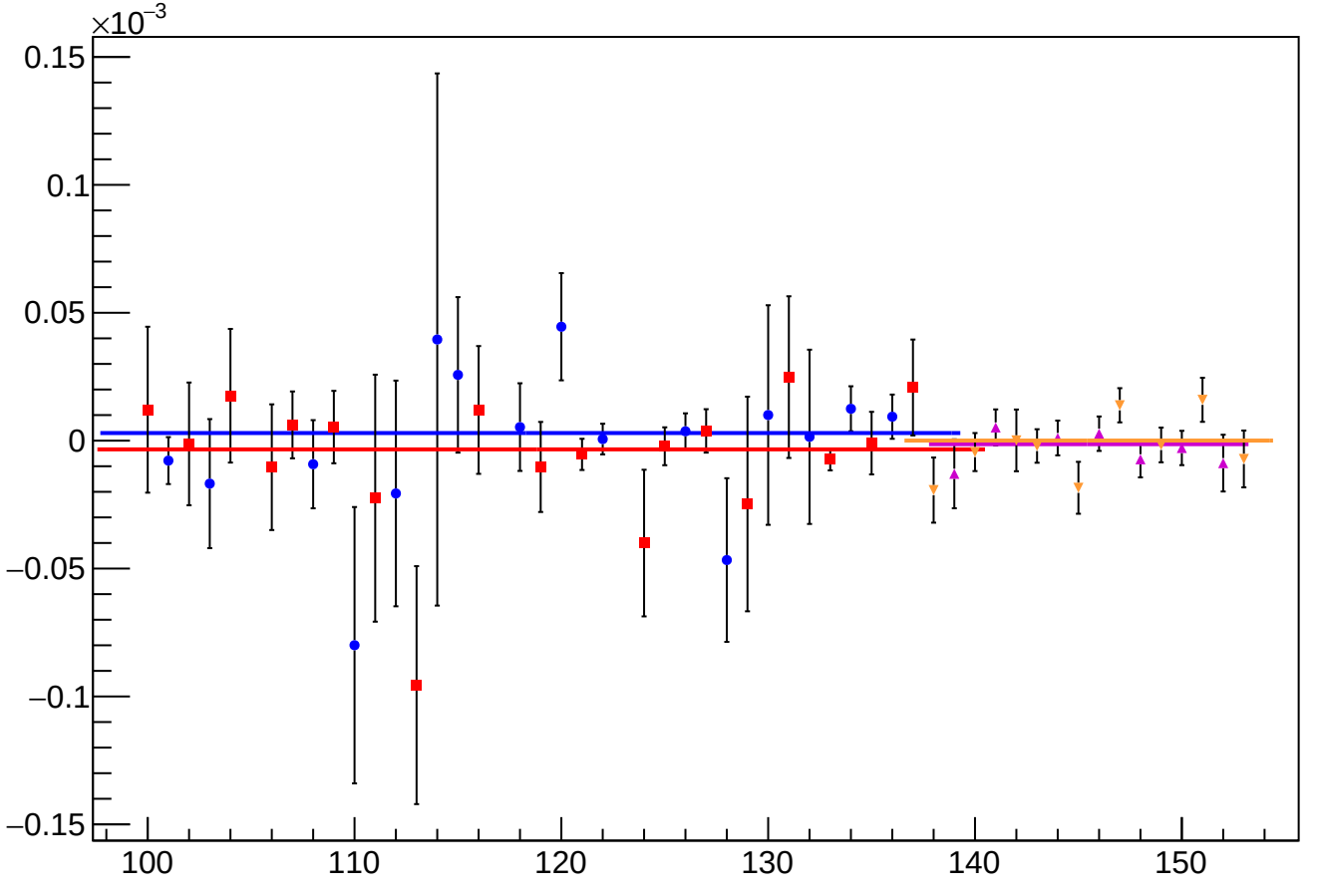
Left: 131.469+/-0.026 χ^2/NDF: 540128.4/15

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 130.288+/-0.027 χ^2/NDF:2105367.8/22

Out: 130.049+/-0.025 χ^2/NDF:2133366.1/27

All: 130.163+/-0.018 χ^2/NDF: 4238775.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.3/8

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:3.3/6

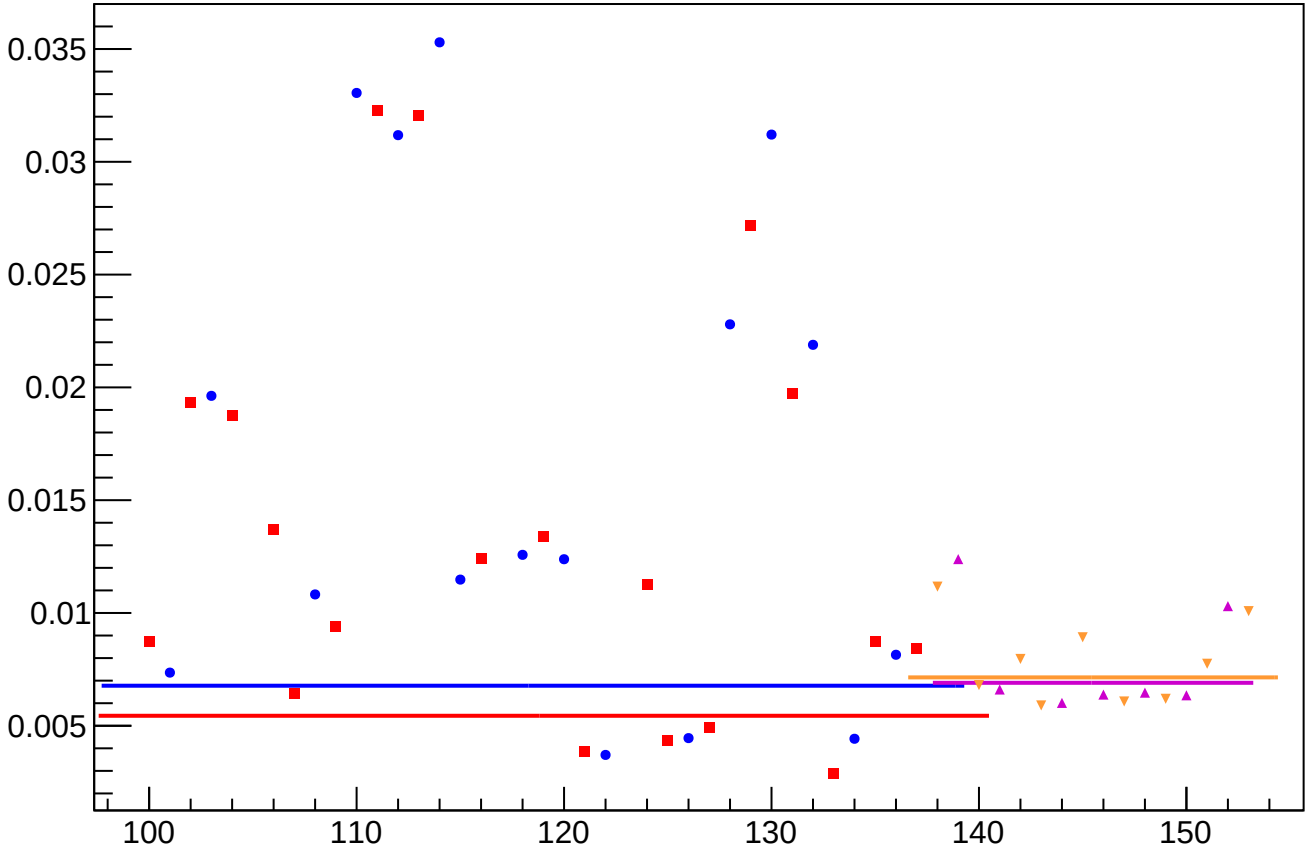
Left: -0.000+/-0.000 χ^2/NDF: 17.7/15

Right: -0.000+/-0.000 χ^2/NDF: 29.1/34

In: 0.000+/-0.000 χ^2/NDF:18.4/22

Out: -0.000+/-0.000 χ^2/NDF:27.7/27

All: -0.000+/-0.000 χ^2/NDF: 46.8/50



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

Left Out: 0.007+/-0.000 χ^2/NDF:586261.8/8

Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.007+/-0.000 χ^2/NDF:590232.9/6

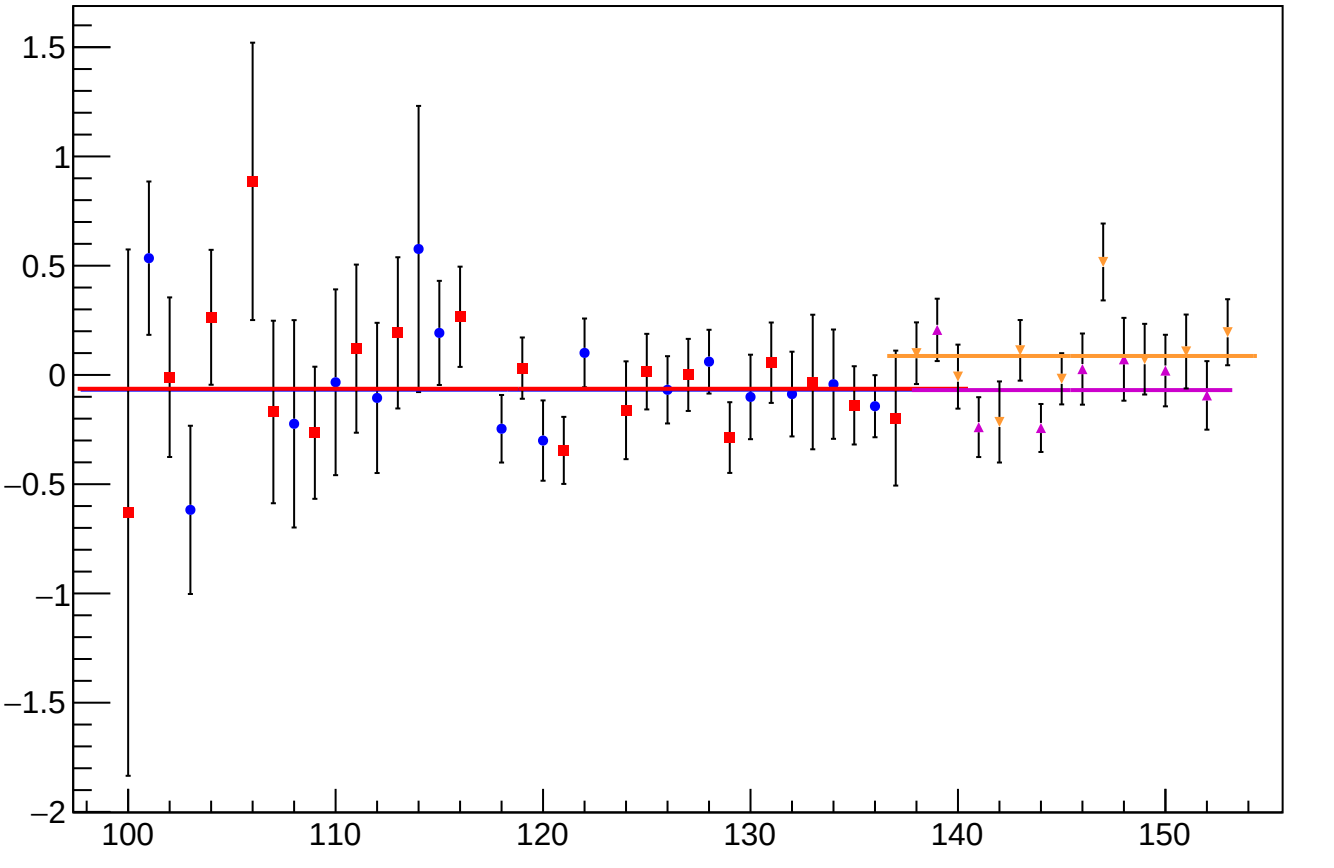
Left: 0.007+/-0.000 χ^2/NDF: 1183678.1/15

Right: 0.006+/-0.000 χ^2/NDF: 10558524.8/34

In: 0.007+/-0.000 χ^2/NDF:5364331.5/22

Out: 0.006+/-0.000 χ^2/NDF:6559772.9/27

All: 0.007+/-0.000 χ^2/NDF: 12015399.1/50



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.087+/-0.050 χ^2/NDF:10.4/8

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.069+/-0.055 χ^2/NDF:9.0/6

Left: 0.016+/-0.037 χ^2/NDF: 23.8/15

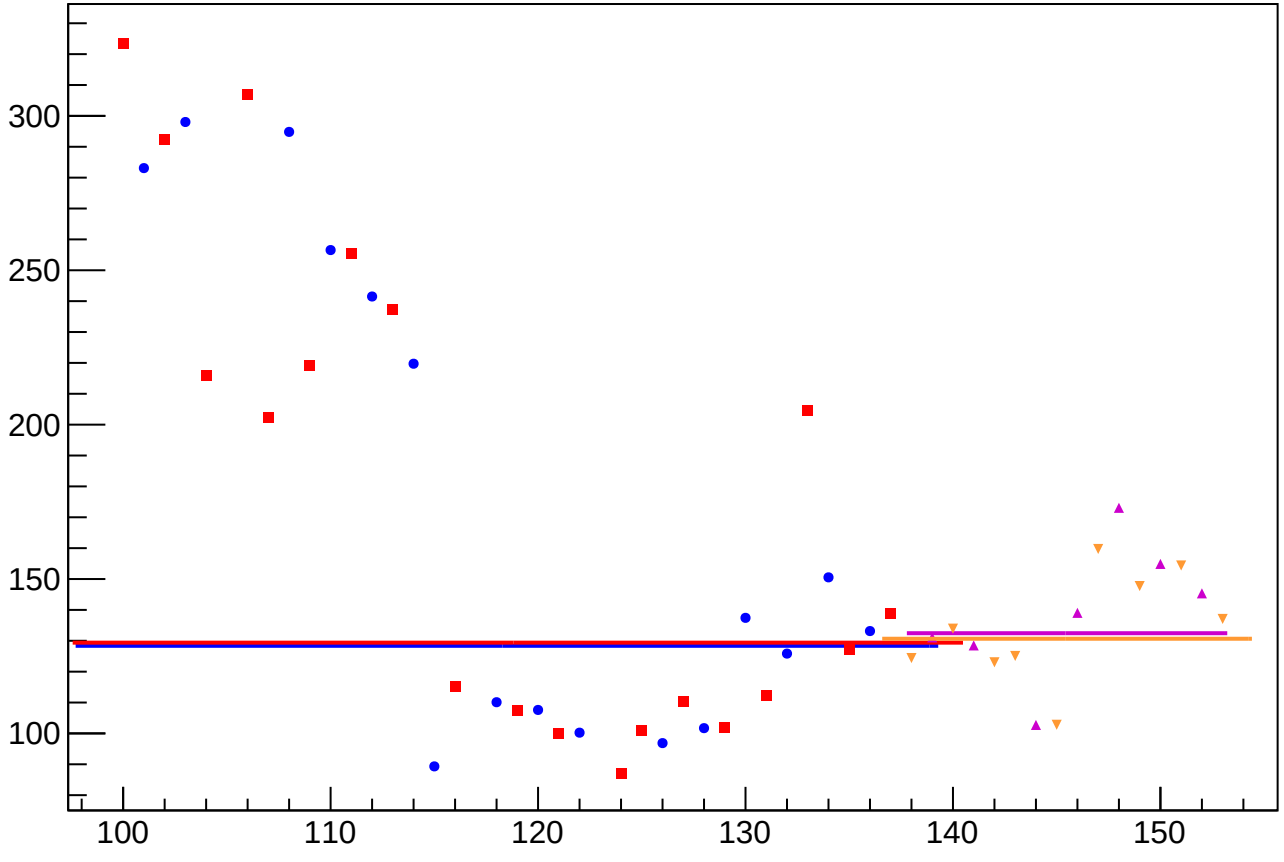
Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.068+/-0.038 χ^2/NDF:21.4/22

Out: 0.014+/-0.036 χ^2/NDF:28.8/27

All: -0.025+/-0.026 χ^2/NDF: 52.8/50

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 130.660+/-0.035 χ^2/NDF:244497.6/8

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 132.453+/-0.039 χ^2/NDF:294491.8/6

Left: 131.469+/-0.026 χ^2/NDF: 540150.0/15

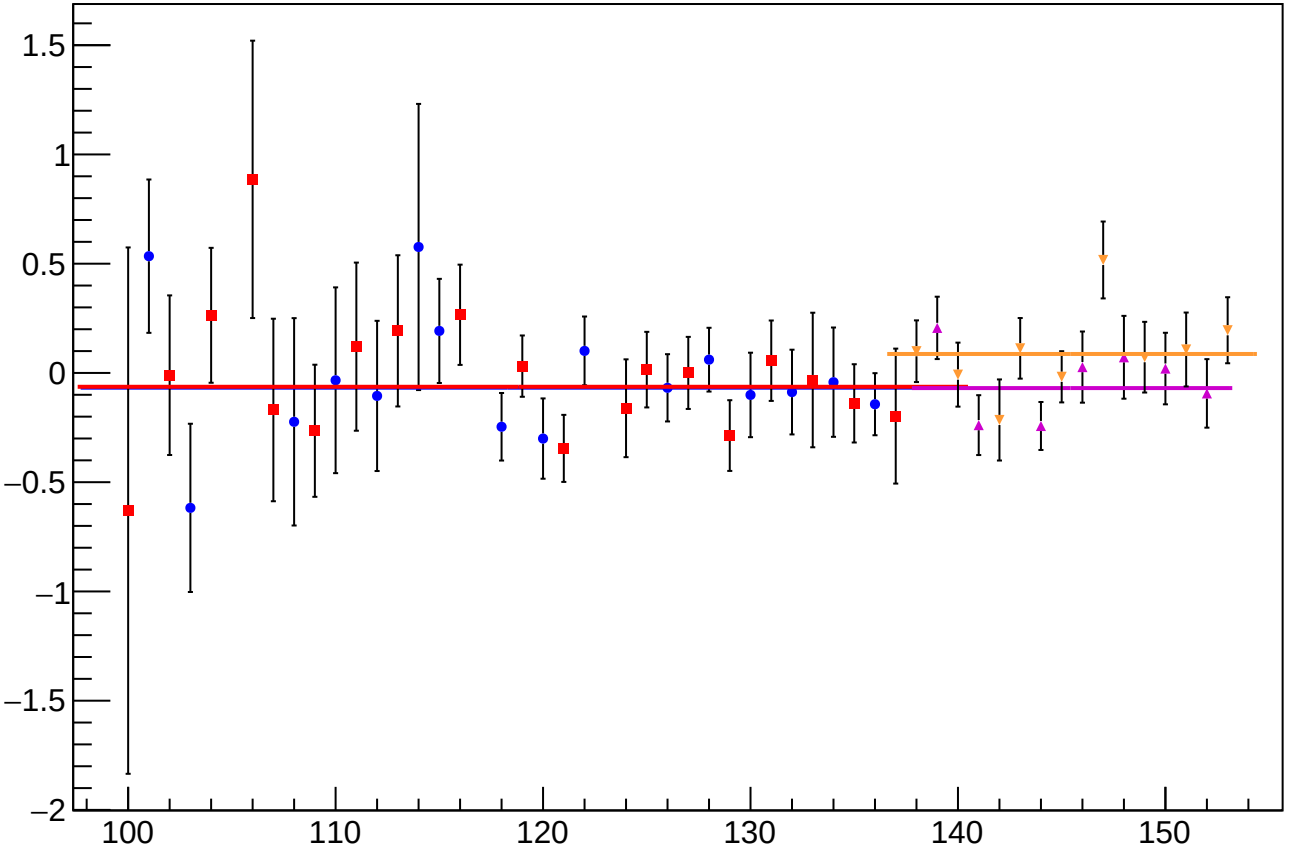
Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 130.286+/-0.027 χ^2/NDF:2105327.6/22

Out: 130.048+/-0.025 χ^2/NDF:2133389.4/27

All: 130.161+/-0.018 χ^2/NDF: 4238758.8/50

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.087+/-0.050 χ^2/NDF:10.4/8

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: -0.069+/-0.055 χ^2/NDF:9.0/6

Left: 0.016+/-0.037 χ^2/NDF: 23.8/15

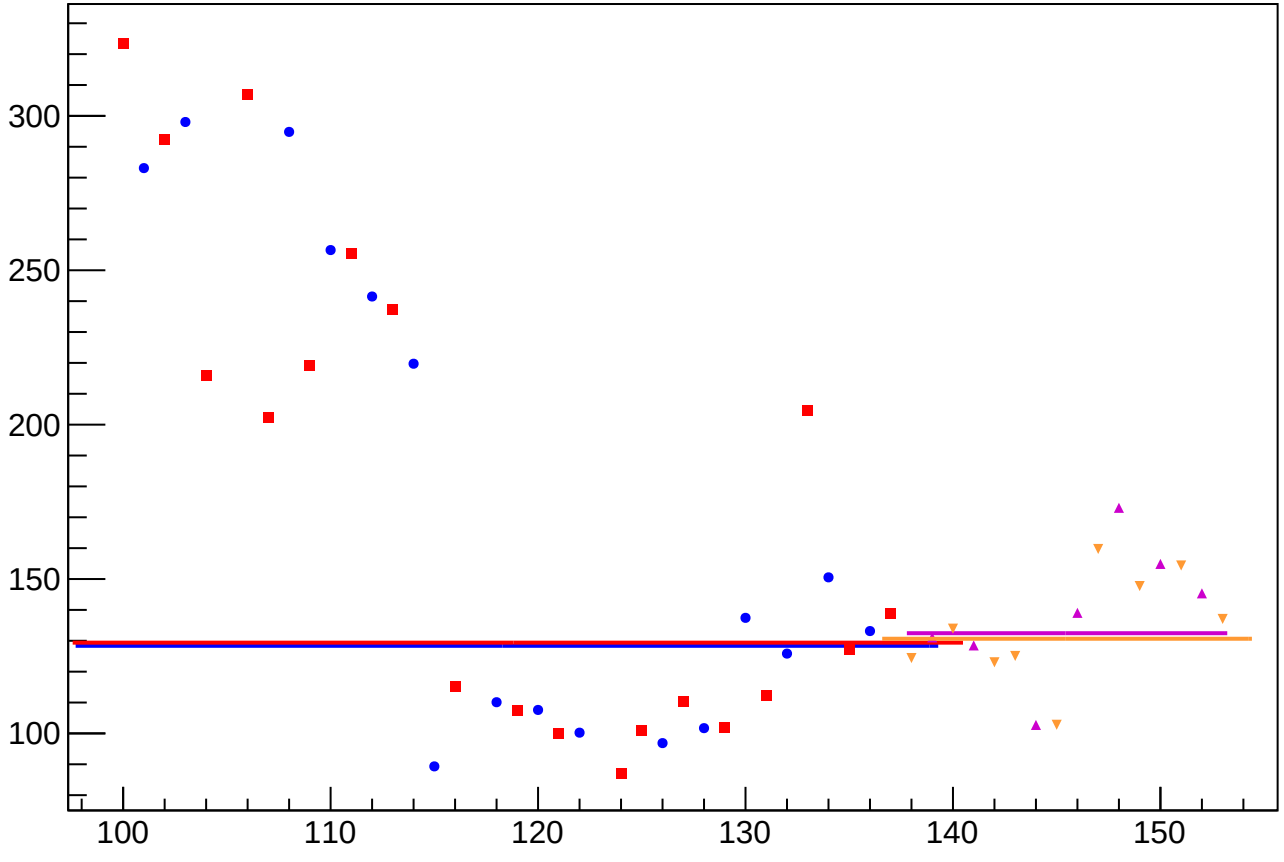
Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.068+/-0.038 χ^2/NDF:21.4/22

Out: 0.014+/-0.036 χ^2/NDF:28.8/27

All: -0.025+/-0.026 χ^2/NDF: 52.8/50

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 130.660+/-0.035 χ^2/NDF:244497.6/8

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 132.453+/-0.039 χ^2/NDF:294491.8/6

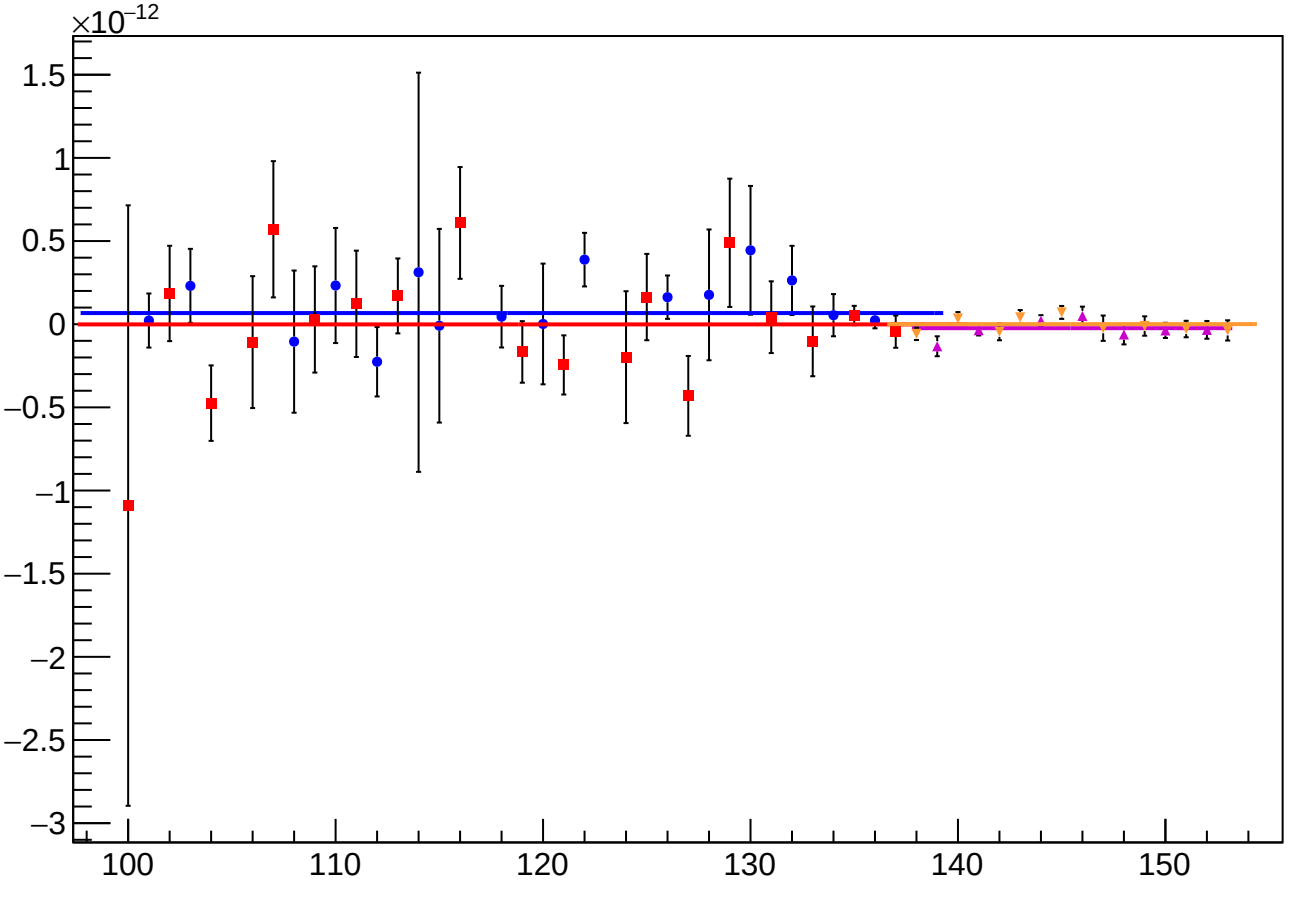
Left: 131.469+/-0.026 χ^2/NDF: 540150.0/15

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 130.286+/-0.027 χ^2/NDF:2105327.6/22

Out: 130.048+/-0.025 χ^2/NDF:2133389.4/27

All: 130.161+/-0.018 χ^2/NDF: 4238758.8/50



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.1/8

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: -0.000+/-0.000 χ^2/NDF:7.4/6

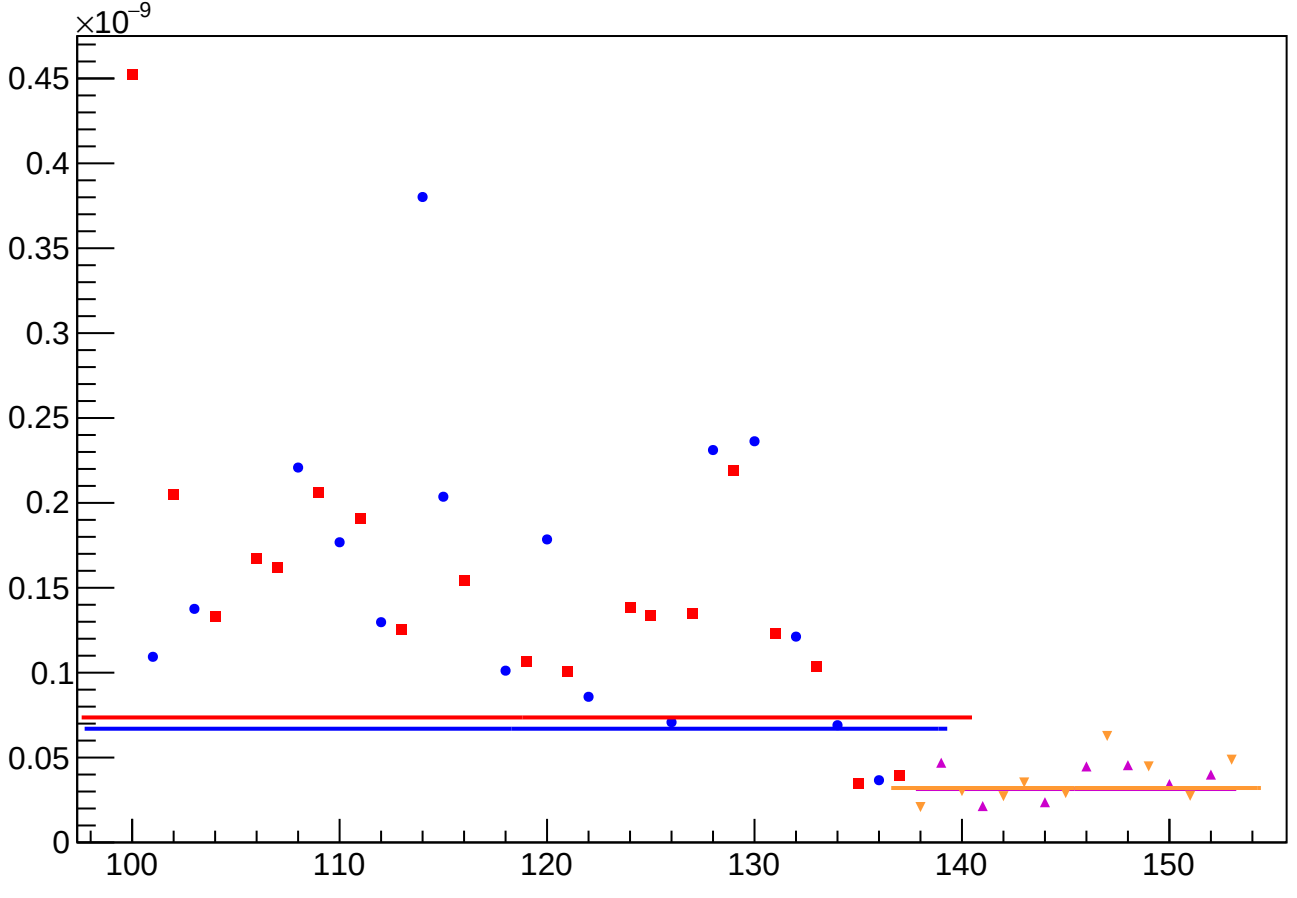
Left: -0.000+/-0.000 χ^2/NDF: 17.7/15

Right: 0.000+/-0.000 χ^2/NDF: 32.7/34

In: -0.000+/-0.000 χ^2/NDF:23.0/22

Out: 0.000+/-0.000 χ^2/NDF:29.8/27

All: -0.000+/-0.000 χ^2/NDF: 53.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:816774.6/8

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

Left In: 0.000+/-0.000 χ^2/NDF:724489.4/6

Left: 0.000+/-0.000 χ^2/NDF: 1542616.6/15

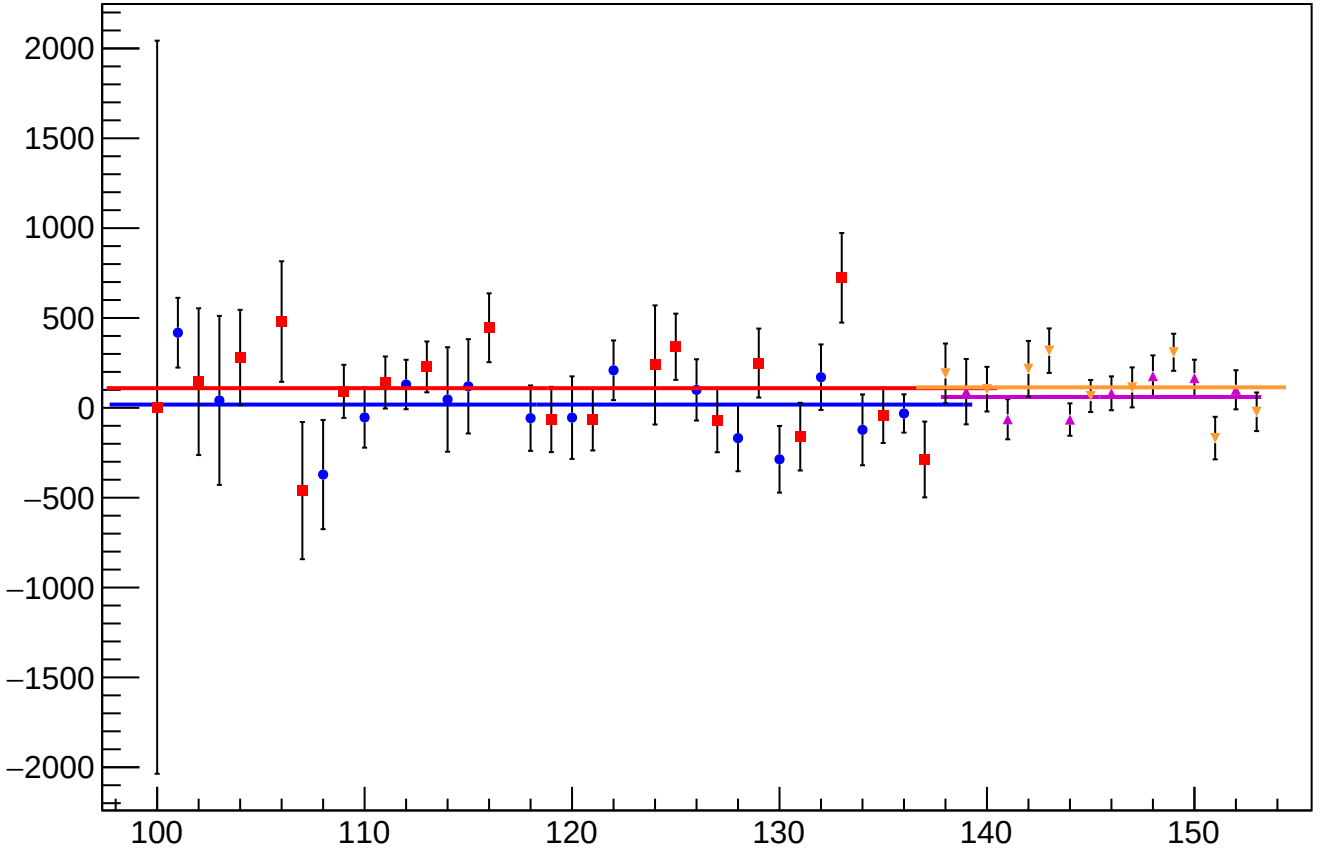
Right: 0.000+/-0.000 χ^2/NDF: 6865290.4/34

In: 0.000+/-0.000 χ^2/NDF:5498894.1/22

Out: 0.000+/-0.000 χ^2/NDF:6395972.9/27

All: 0.000+/-0.000 χ^2/NDF: 11894871.3/50

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 114.116+/-38.735 χ^2/NDF:14.5/8

Right Out: 109.432+/-45.825 χ^2/NDF: 25.5/18

Left In: 60.284+/-40.764 χ^2/NDF:5.5/6

Left: 88.573+/-28.080 χ^2/NDF: 20.9/15

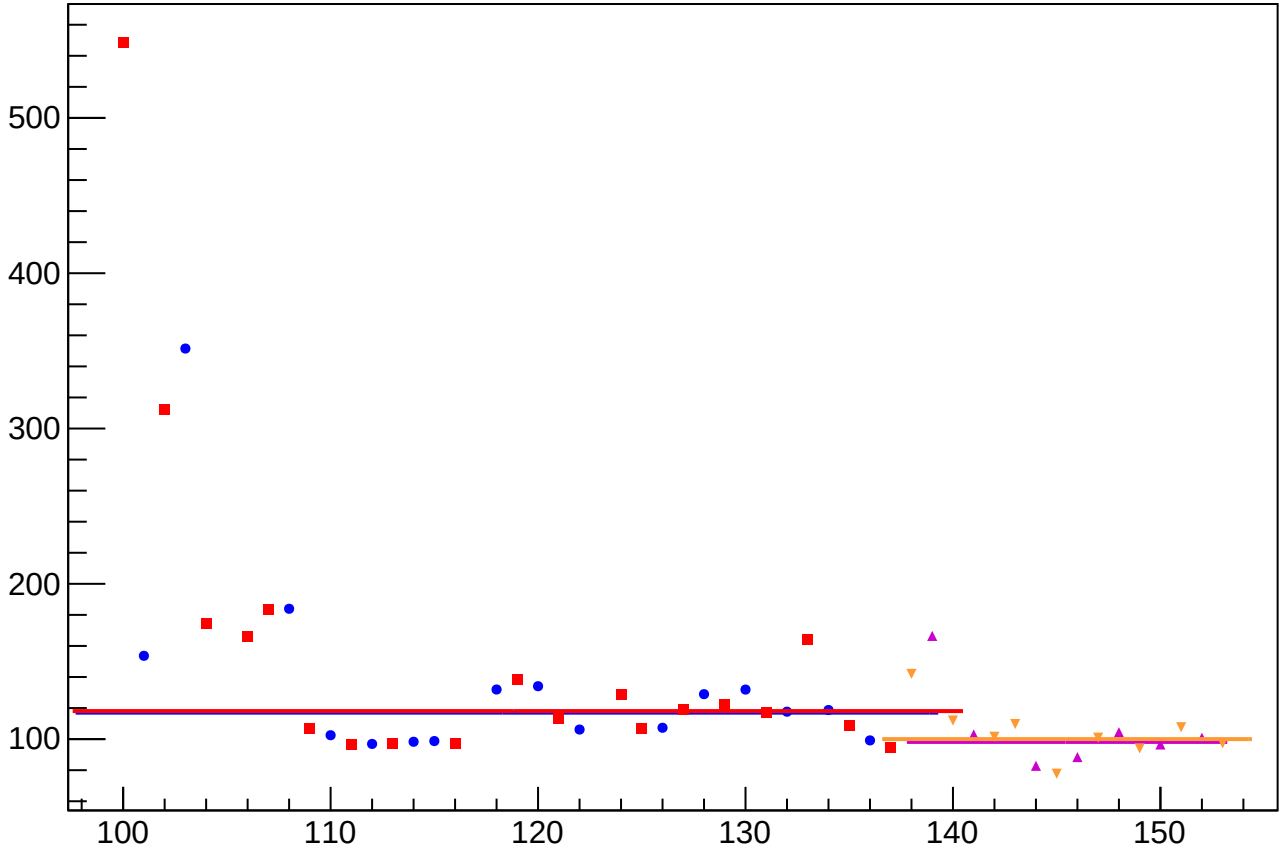
Right: 63.698+/-32.360 χ^2/NDF: 41.3/34

In: 41.641+/-30.422 χ^2/NDF:19.8/22

Out: 112.164+/-29.582 χ^2/NDF:40.0/27

All: 77.888+/-21.208 χ^2/NDF: 62.6/50

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 100.017+/-0.027 χ^2/NDF:300927.1/8

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

Left In: 98.202+/-0.029 χ^2/NDF:373292.9/6

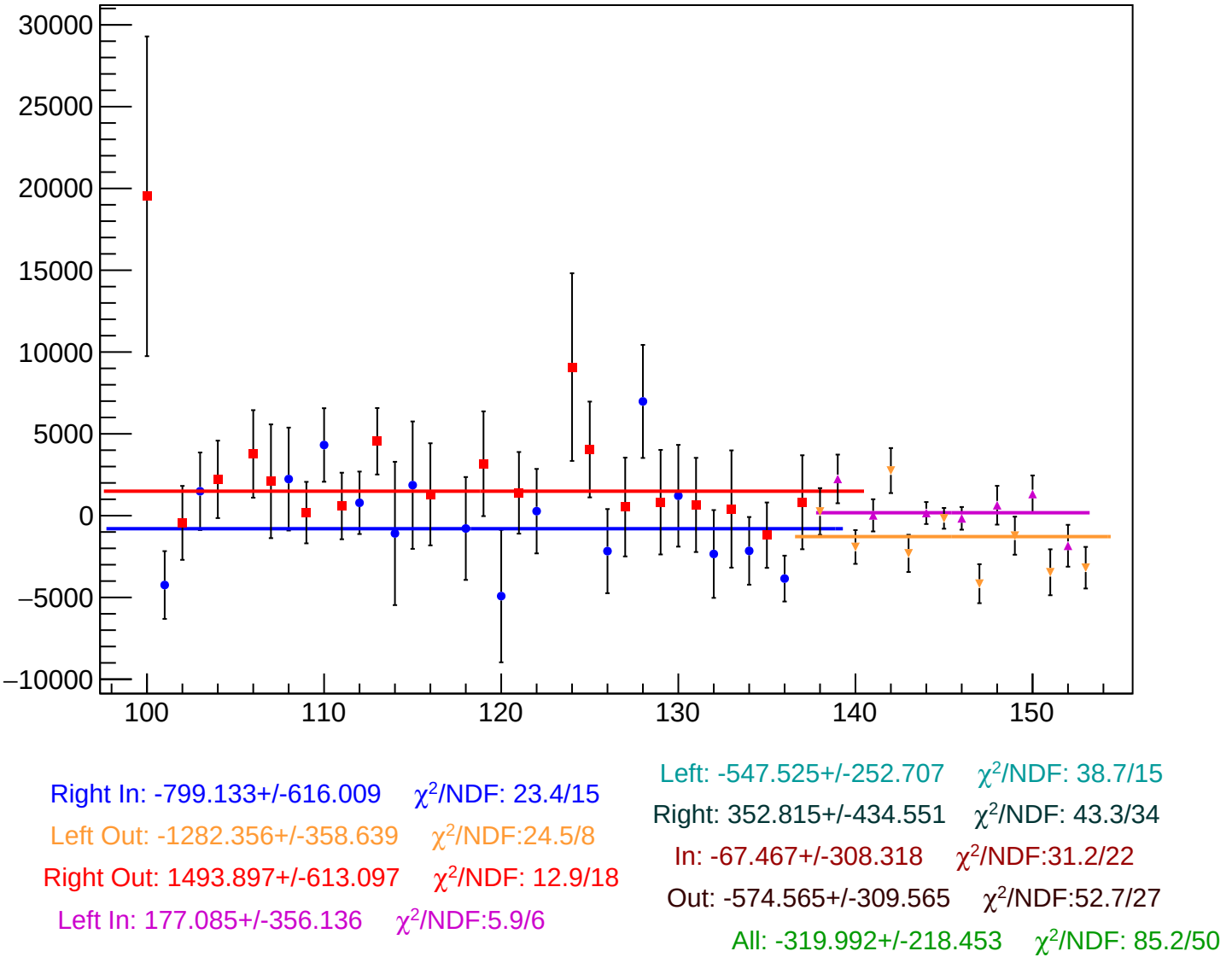
Left: 99.156+/-0.020 χ^2/NDF: 676302.0/15

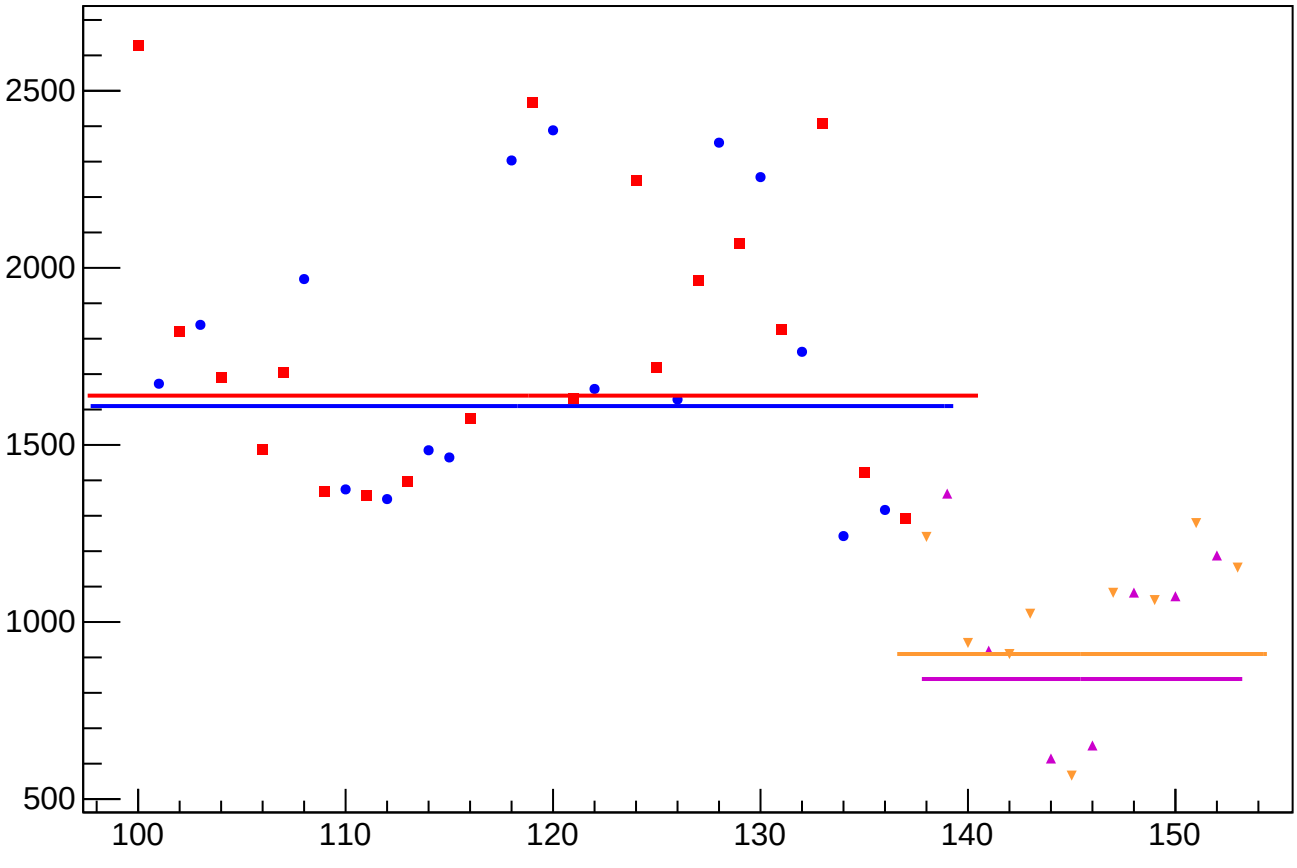
Right: 117.559+/-0.023 χ^2/NDF: 1849621.4/34

In: 106.558+/-0.022 χ^2/NDF:1421376.6/22

Out: 107.535+/-0.021 χ^2/NDF:1472477.3/27

All: 107.060+/-0.015 χ^2/NDF: 2894913.5/50


asym_sam3_reg_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: -799.133+/-616.009 χ²/NDF: 23.4/15
Left Out: -1282.356+/-358.639 χ²/NDF:24.5/8
Right Out: 1493.897+/-613.097 χ²/NDF: 12.9/18
Left In: 177.085+/-356.136 χ²/NDF:5.9/6
Left: -547.525+/-252.707 χ²/NDF: 38.7/15
Right: 352.815+/-434.551 χ²/NDF: 43.3/34
In: -67.467+/-308.318 χ²/NDF:31.2/22
Out: -574.565+/-309.565 χ²/NDF:52.7/27
All: -319.992+/-218.453 χ²/NDF: 85.2/50



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 909.660+/-0.254 χ^2/NDF:1002113.7/8

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

Left In: 839.061+/-0.252 χ^2/NDF:949603.1/6

Left: 874.113+/-0.179 χ^2/NDF: 1990739.1/15

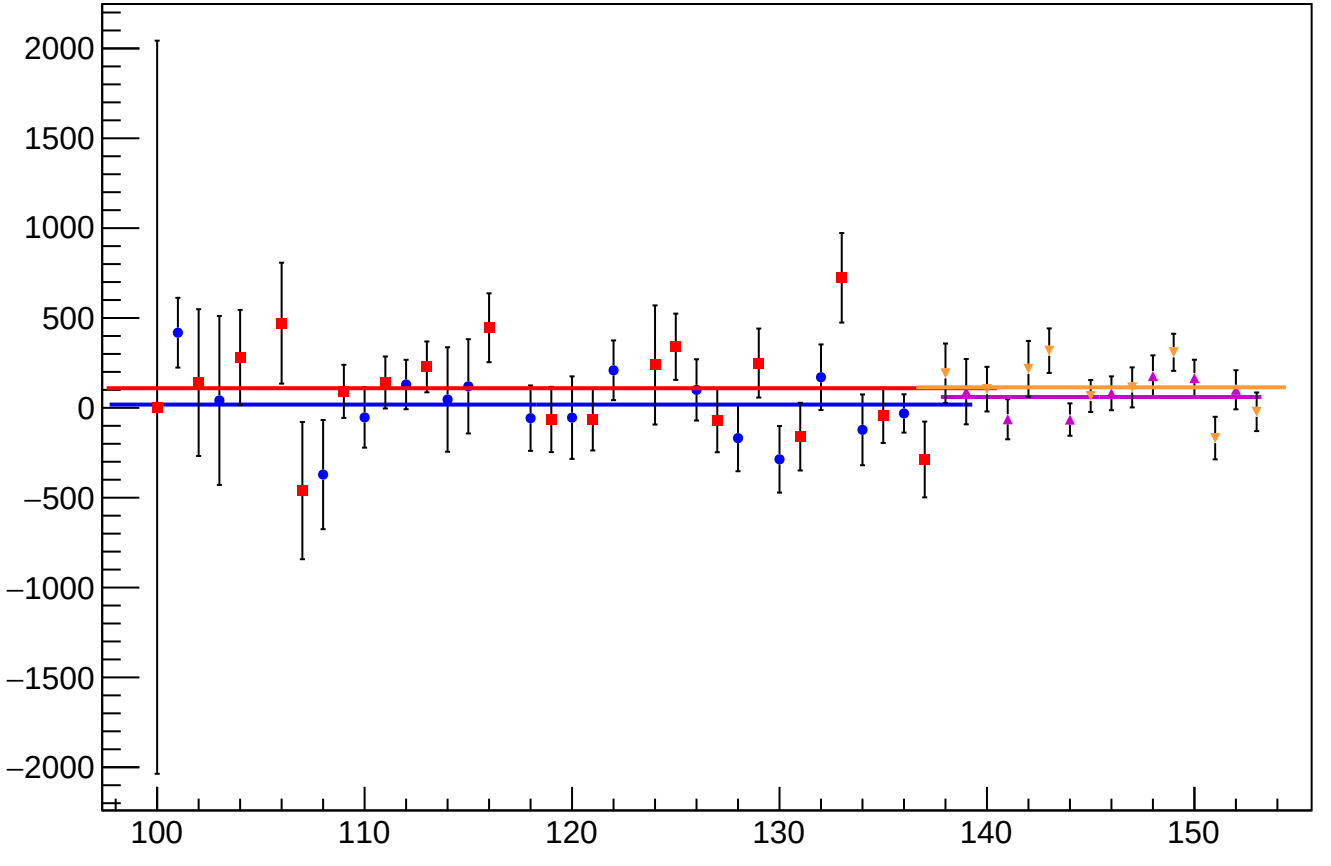
Right: 1624.581+/-0.307 χ^2/NDF: 1141609.2/34

In: 1032.133+/-0.218 χ^2/NDF:3915208.8/22

Out: 1095.663+/-0.219 χ^2/NDF:3632417.1/27

All: 1063.770+/-0.154 χ^2/NDF: 7589911.5/50

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 114.125+/-38.735 χ^2/NDF:14.5/8

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 60.289+/-40.764 χ^2/NDF:5.5/6

Left: 88.580+/-28.080 χ^2/NDF: 20.9/15

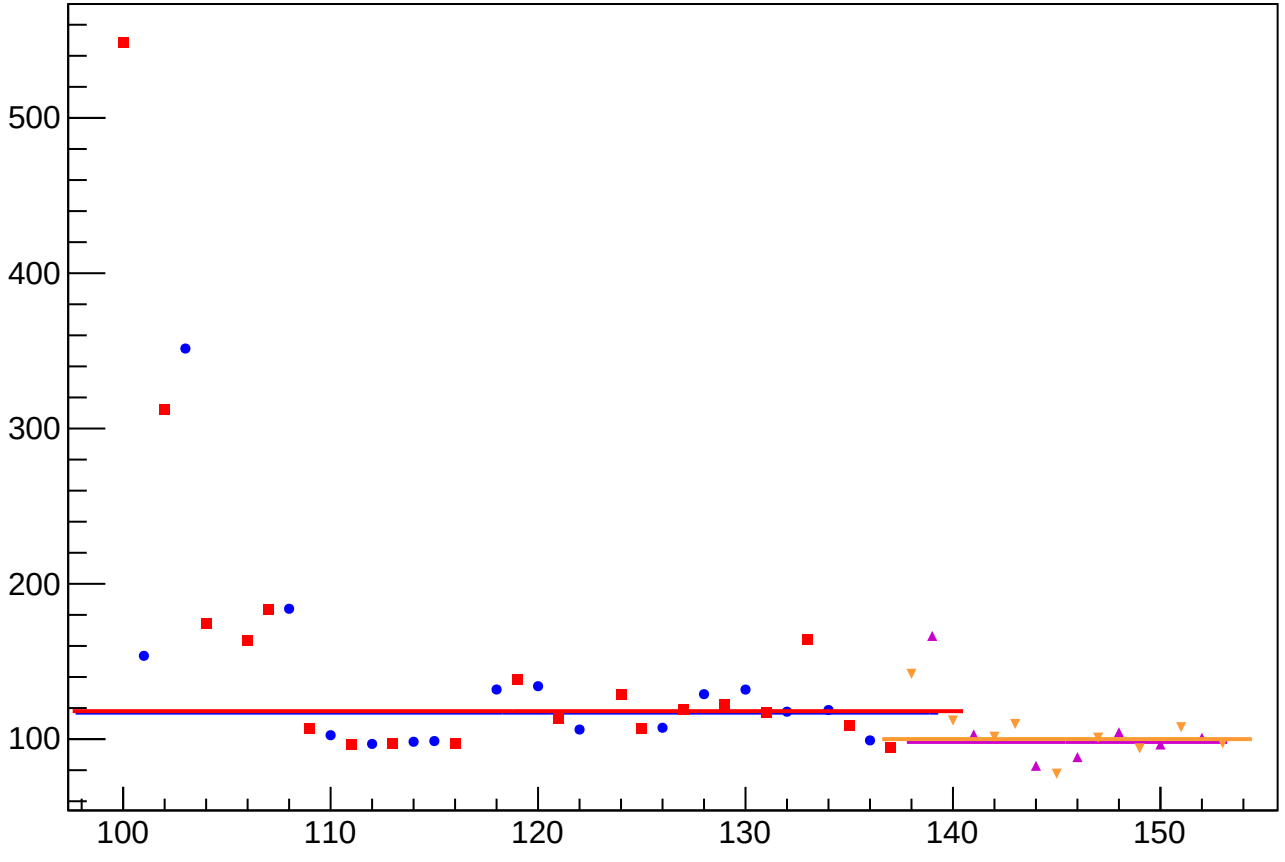
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 41.638+/-30.422 χ^2/NDF:19.8/22

Out: 112.052+/-29.583 χ^2/NDF:39.9/27

All: 77.828+/-21.209 χ^2/NDF: 62.5/50

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 100.017+/-0.027 χ^2/NDF:300927.1/8

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 98.202+/-0.029 χ^2/NDF:373292.9/6

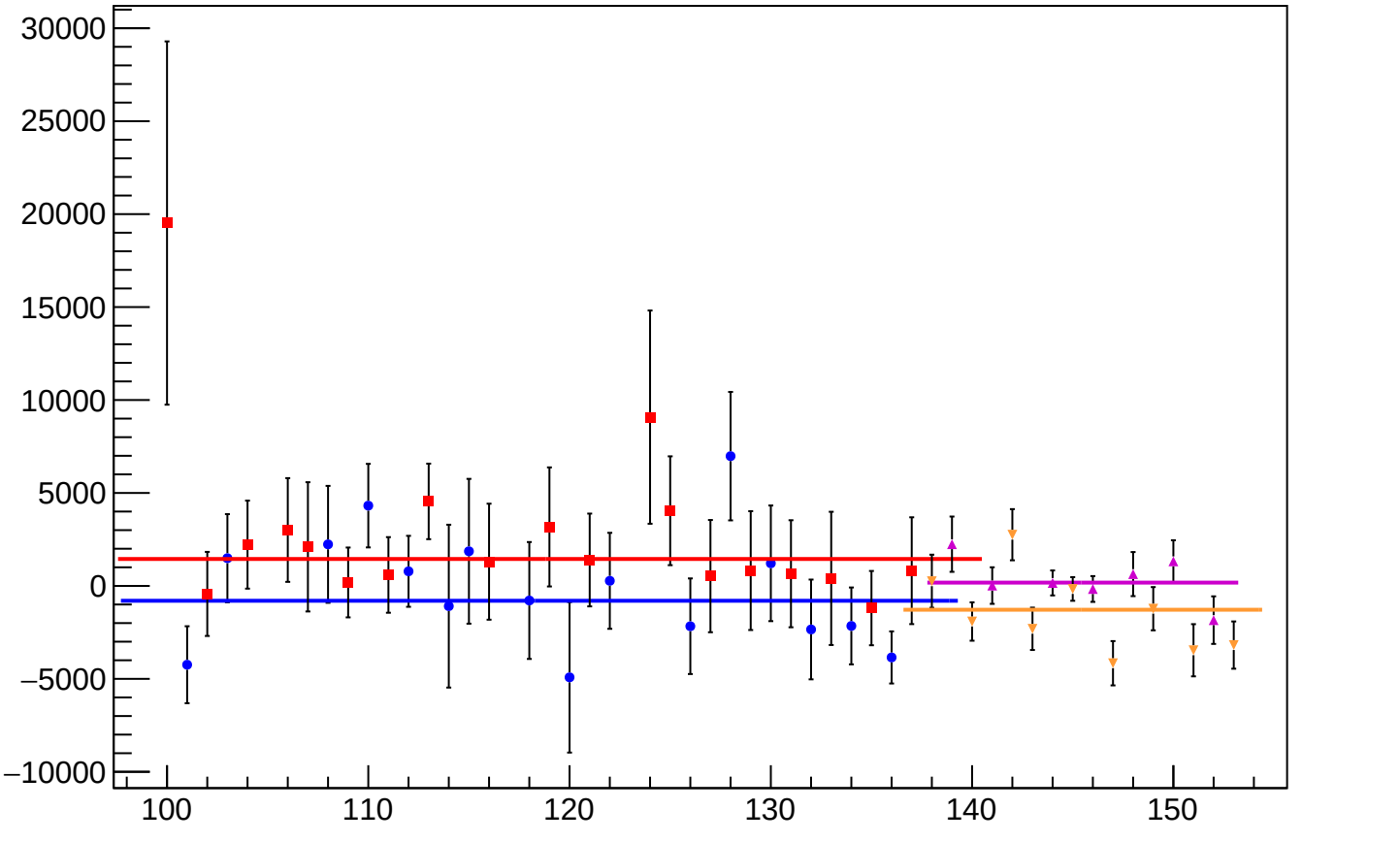
Left: 99.156+/-0.020 χ^2/NDF: 676302.0/15

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 106.558+/-0.022 χ^2/NDF:1421378.5/22

Out: 107.513+/-0.021 χ^2/NDF:1467232.8/27

All: 107.049+/-0.015 χ^2/NDF: 2889623.4/50



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1282.349+/-358.639 χ^2/NDF:24.5/8

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 177.094+/-356.136 χ^2/NDF:5.9/6

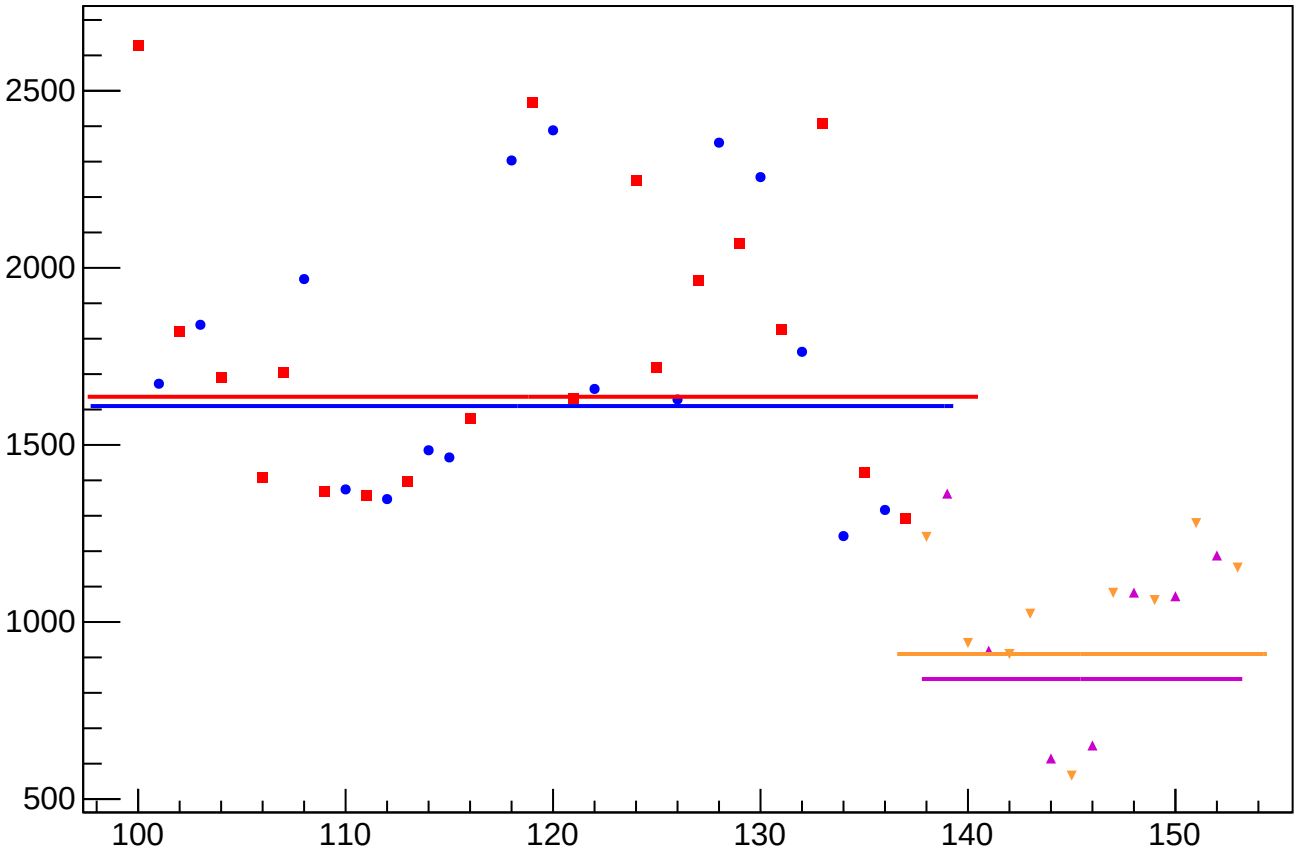
Left: -547.516+/-252.706 χ^2/NDF: 38.7/15

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -67.453+/-308.319 χ^2/NDF:31.2/22

Out: -588.423+/-309.738 χ^2/NDF:51.7/27

All: -326.742+/-218.514 χ^2/NDF: 84.3/50



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 909.659+/-0.254 χ^2/NDF:1002114.8/8

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 839.060+/-0.252 χ^2/NDF:949606.1/6

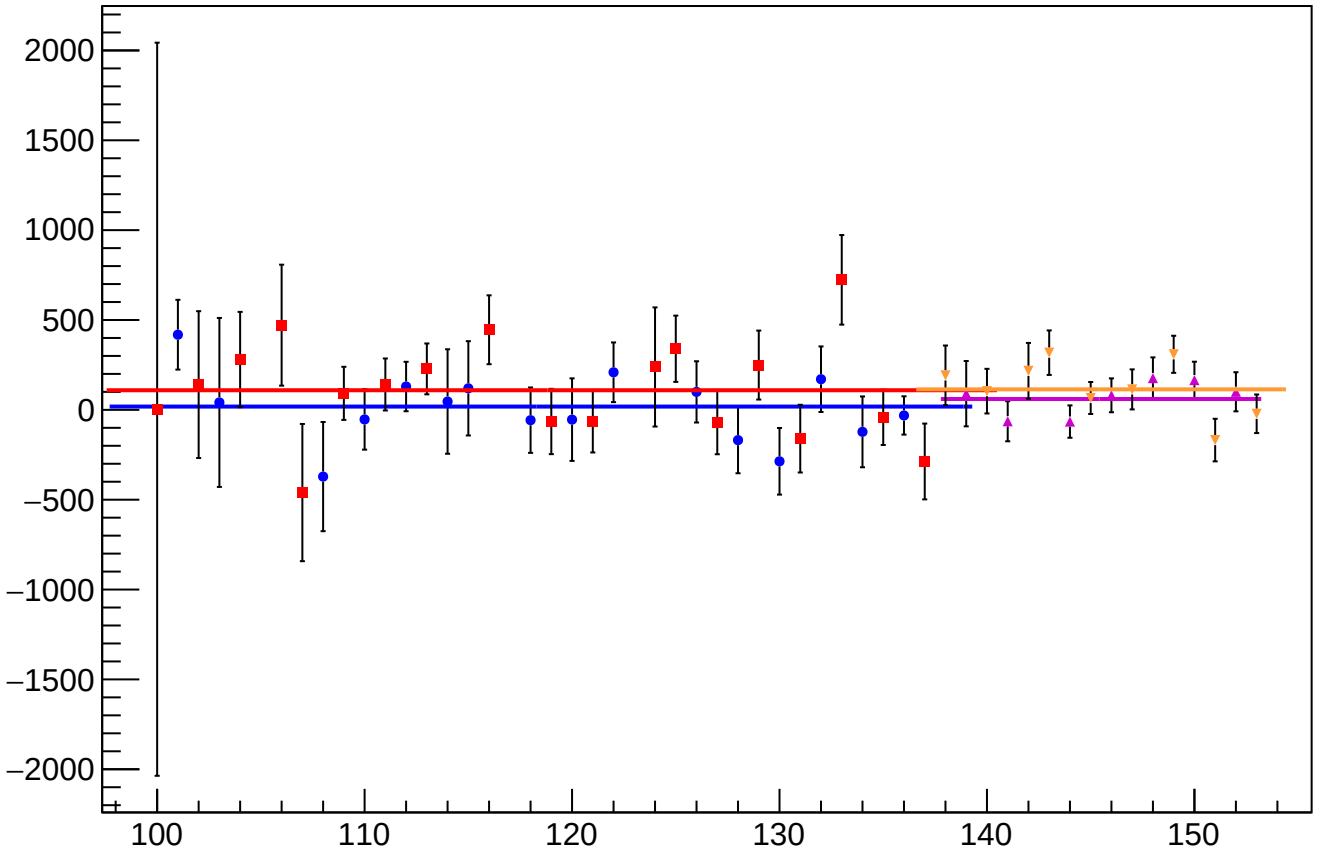
Left: 874.113+/-0.179 χ^2/NDF: 1990743.1/15

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 1032.133+/-0.218 χ^2/NDF:3915273.4/22

Out: 1094.243+/-0.219 χ^2/NDF:3614778.8/27

All: 1063.046+/-0.155 χ^2/NDF: 7570446.6/50



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 114.125+/-38.735 χ^2/NDF:14.5/8

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 60.289+/-40.764 χ^2/NDF:5.5/6

Left: 88.580+/-28.080 χ^2/NDF: 20.9/15

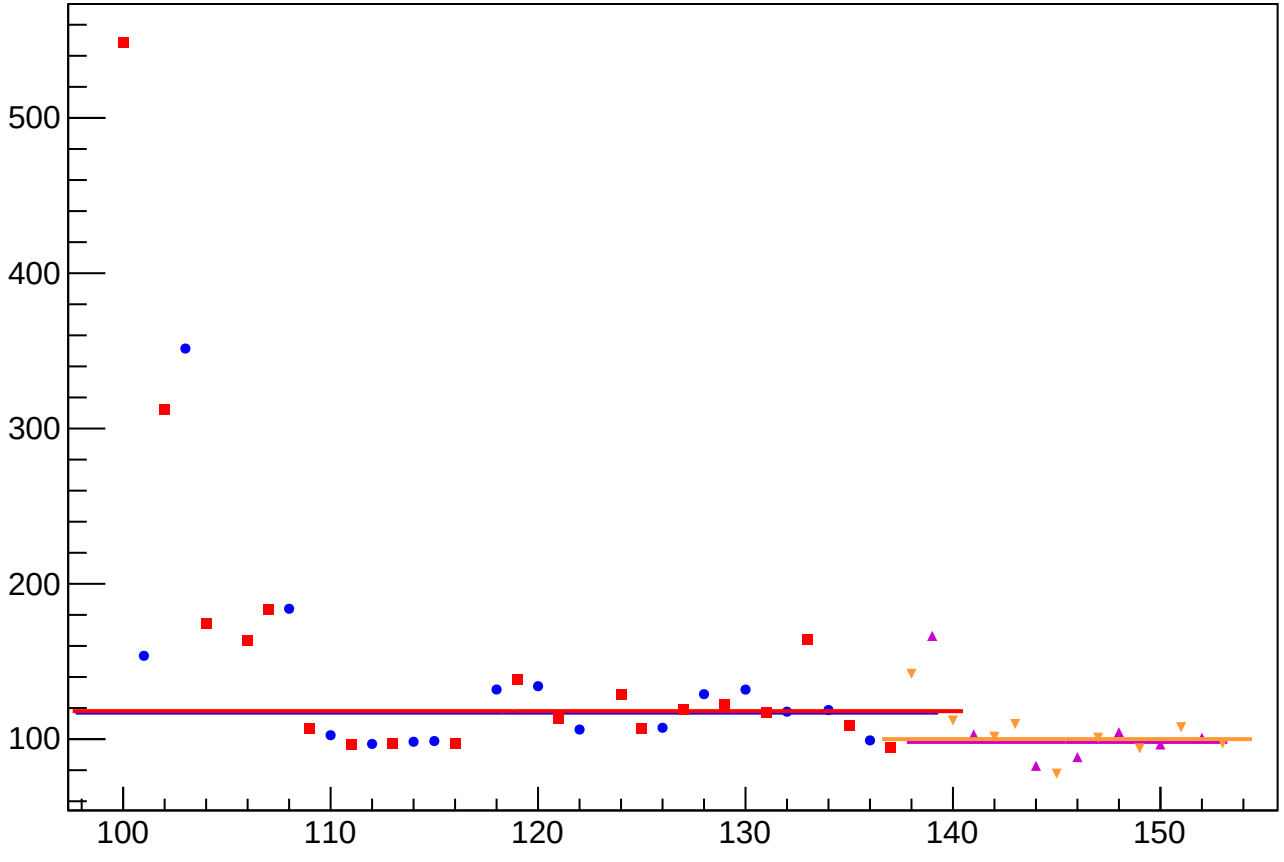
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 41.638+/-30.422 χ^2/NDF:19.8/22

Out: 112.052+/-29.583 χ^2/NDF:39.9/27

All: 77.828+/-21.209 χ^2/NDF: 62.5/50

eigen_cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 100.017+/-0.027 χ^2/NDF:300927.1/8

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 98.202+/-0.029 χ^2/NDF:373292.9/6

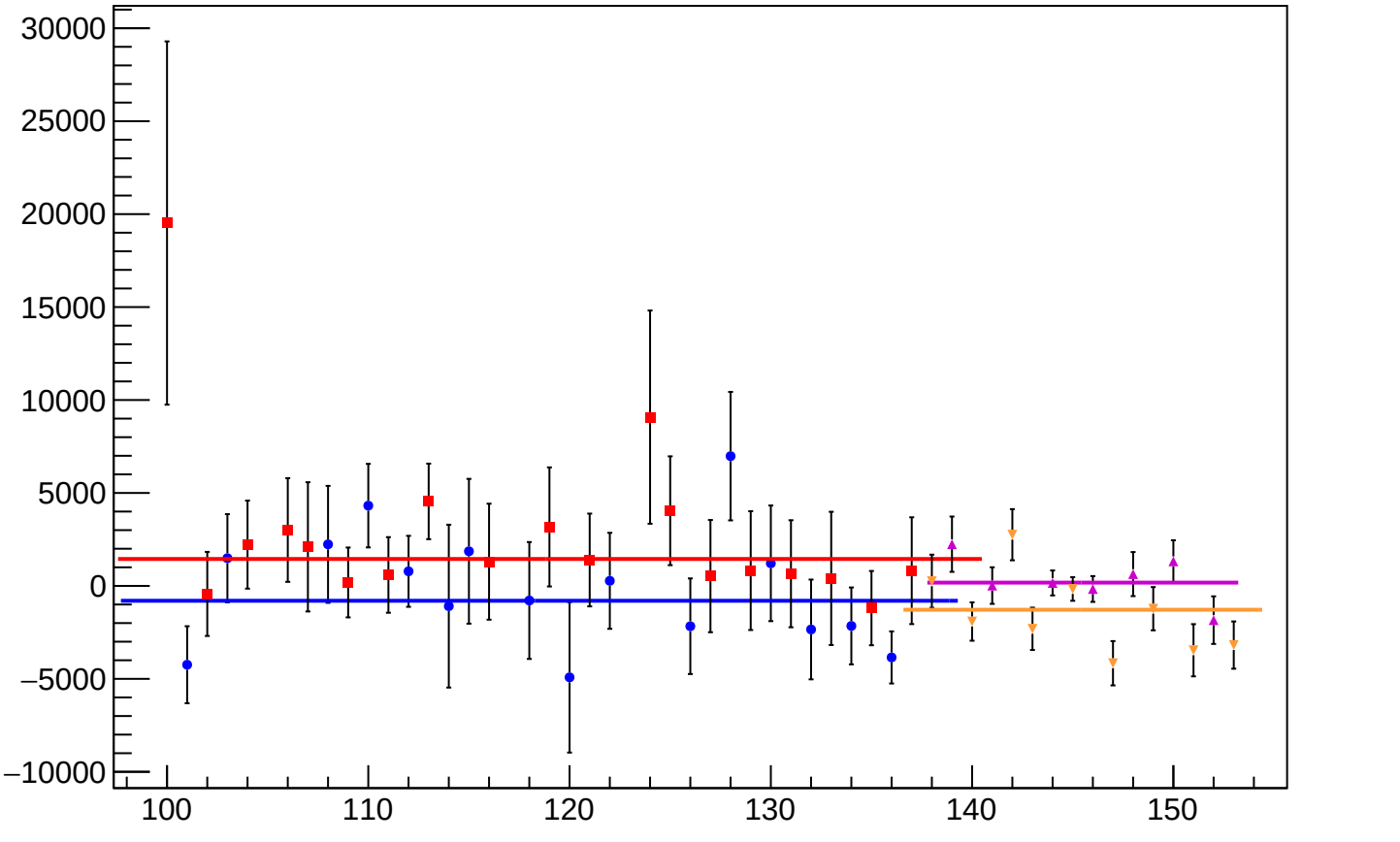
Left: 99.156+/-0.020 χ^2/NDF: 676302.0/15

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 106.558+/-0.022 χ^2/NDF:1421378.5/22

Out: 107.513+/-0.021 χ^2/NDF:1467232.8/27

All: 107.049+/-0.015 χ^2/NDF: 2889623.4/50



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1282.349+/-358.639 χ^2/NDF:24.5/8

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 177.094+/-356.136 χ^2/NDF:5.9/6

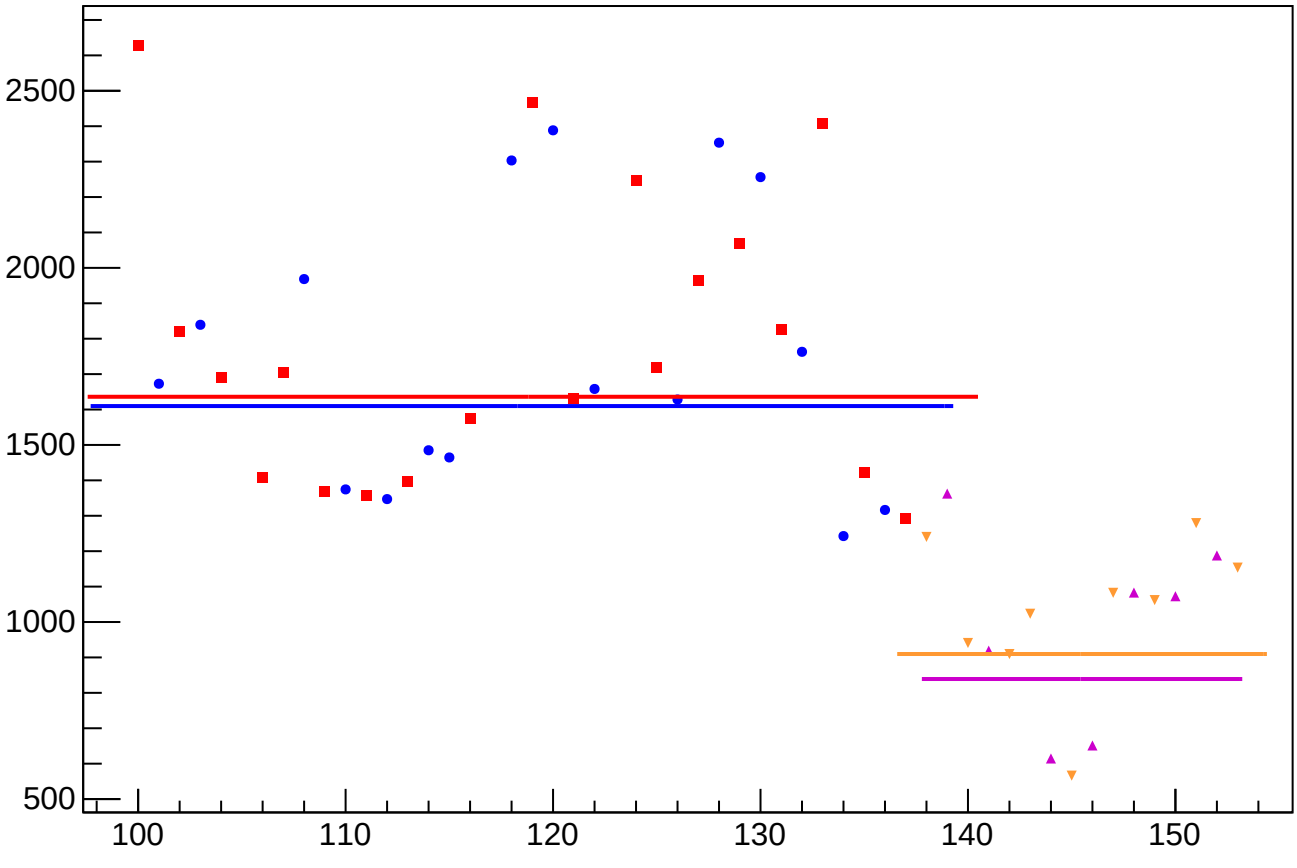
Left: -547.516+/-252.706 χ^2/NDF: 38.7/15

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -67.453+/-308.319 χ^2/NDF:31.2/22

Out: -588.423+/-309.738 χ^2/NDF:51.7/27

All: -326.742+/-218.514 χ^2/NDF: 84.3/50



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 909.659+/-0.254 χ^2/NDF:1002114.8/8

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 839.060+/-0.252 χ^2/NDF:949606.1/6

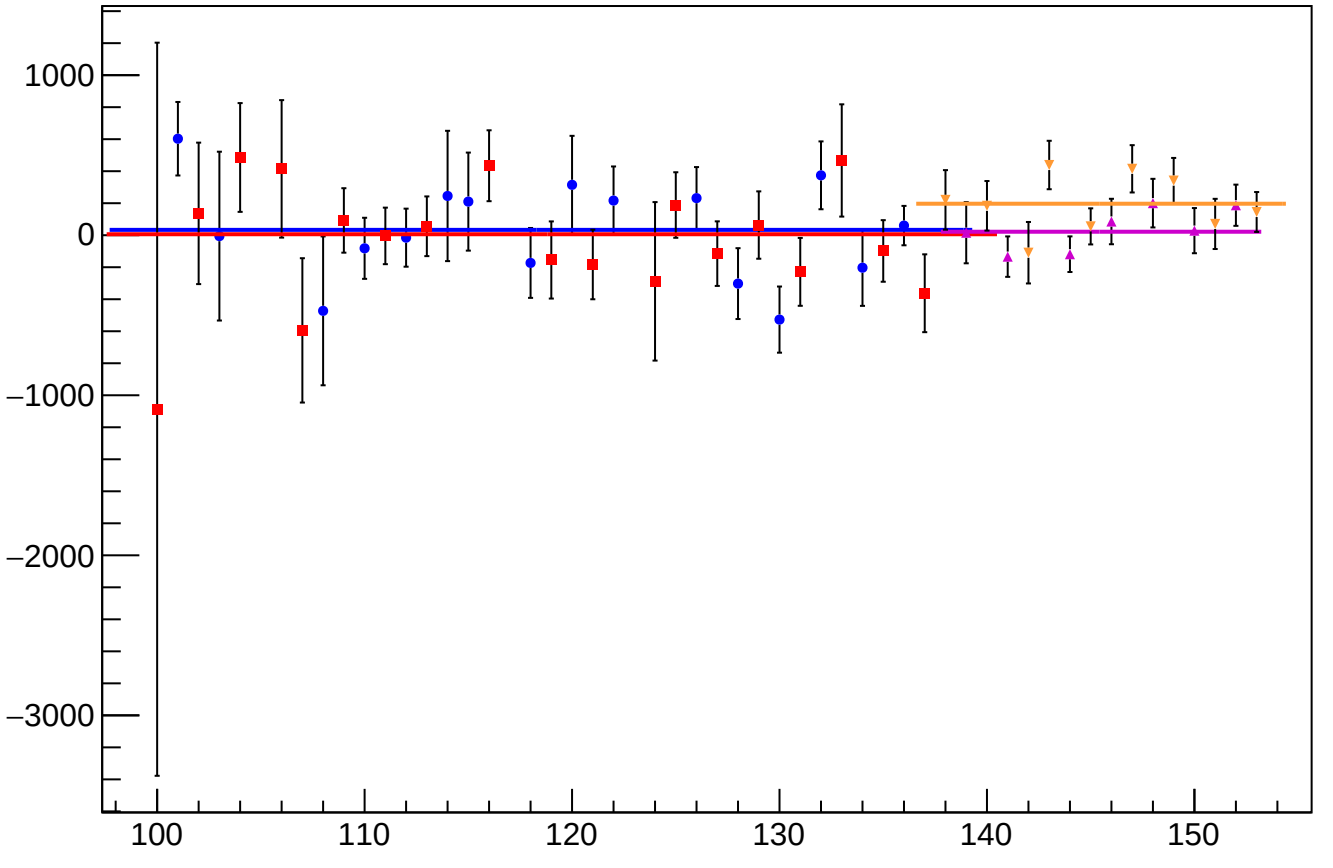
Left: 874.113+/-0.179 χ^2/NDF: 1990743.1/15

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 1032.133+/-0.218 χ^2/NDF:3915273.4/22

Out: 1094.243+/-0.219 χ^2/NDF:3614778.8/27

All: 1063.046+/-0.155 χ^2/NDF: 7570446.6/50



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 196.786+/-48.761 χ^2/NDF:10.7/8

Right Out: 6.107+/-56.090 χ^2/NDF: 17.3/18

Left In: 21.766+/-51.693 χ^2/NDF:6.4/6

Left: 114.380+/-35.470 χ^2/NDF: 23.2/15

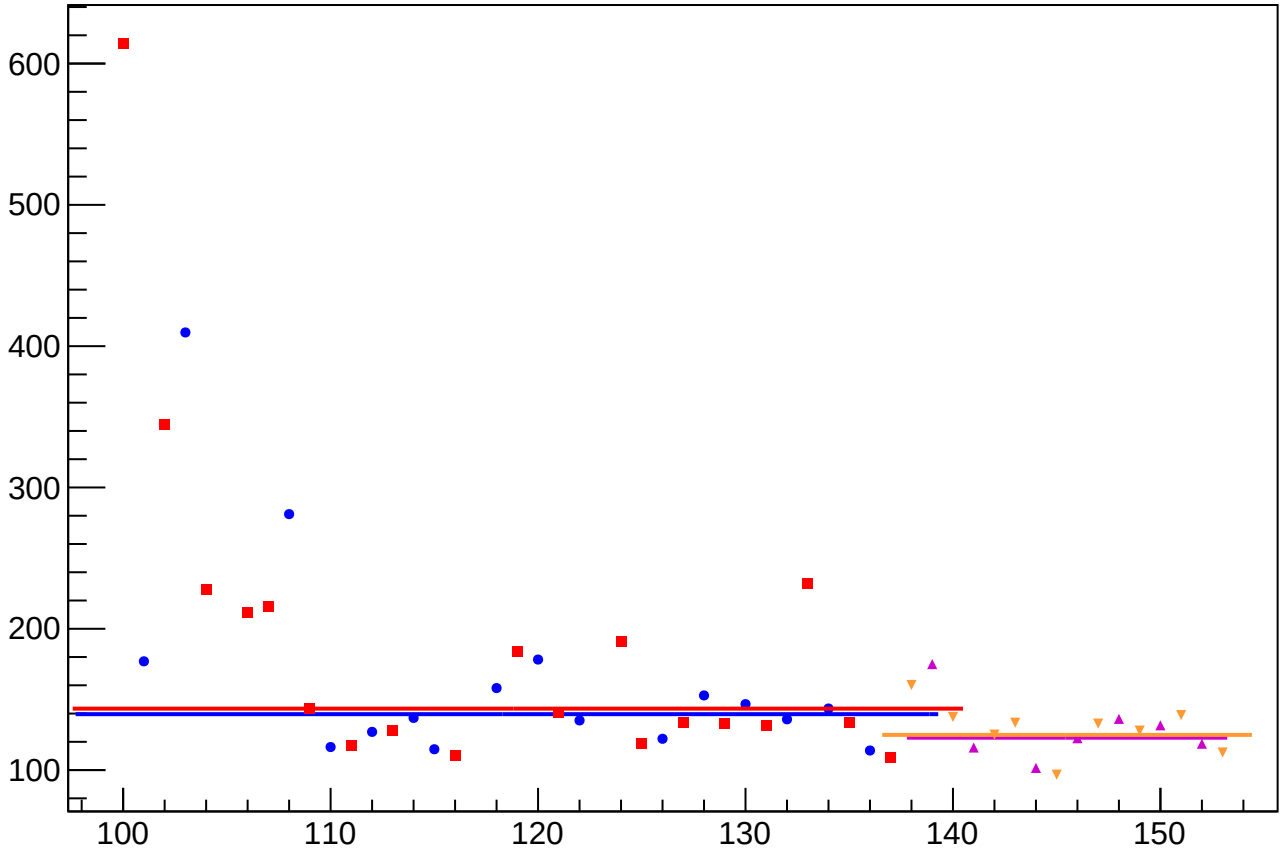
Right: 20.080+/-39.237 χ^2/NDF: 42.6/34

In: 27.266+/-37.638 χ^2/NDF:31.6/22

Out: 114.710+/-36.800 χ^2/NDF:34.6/27

All: 71.972+/-26.312 χ^2/NDF: 68.9/50

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 124.906+/-0.034 χ^2/NDF:259376.7/8

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

Left In: 122.923+/-0.037 χ^2/NDF:253872.0/6

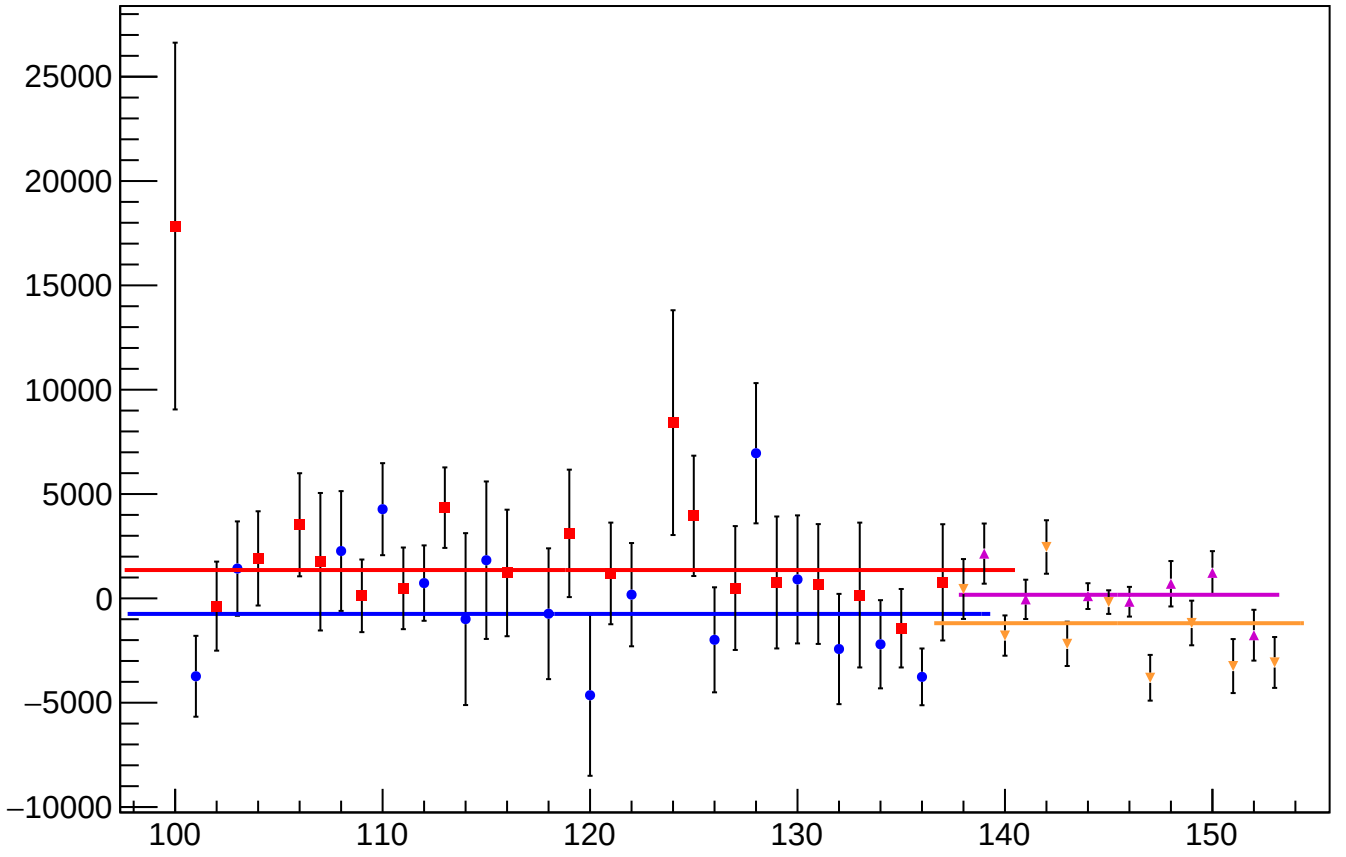
Left: 123.973+/-0.025 χ^2/NDF: 514806.3/15

Right: 141.481+/-0.028 χ^2/NDF: 2098376.6/34

In: 130.743+/-0.027 χ^2/NDF:1328021.3/22

Out: 132.901+/-0.026 χ^2/NDF:1500947.5/27

All: 131.846+/-0.019 χ^2/NDF: 2832328.8/50



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -1189.768+/-330.533 χ^2/NDF:24.5/8

Right Out: 1357.874+/-585.808 χ^2/NDF: 13.5/18

Left In: 171.604+/-340.099 χ^2/NDF:6.0/6

Left: -528.497+/-237.032 χ^2/NDF: 38.6/15

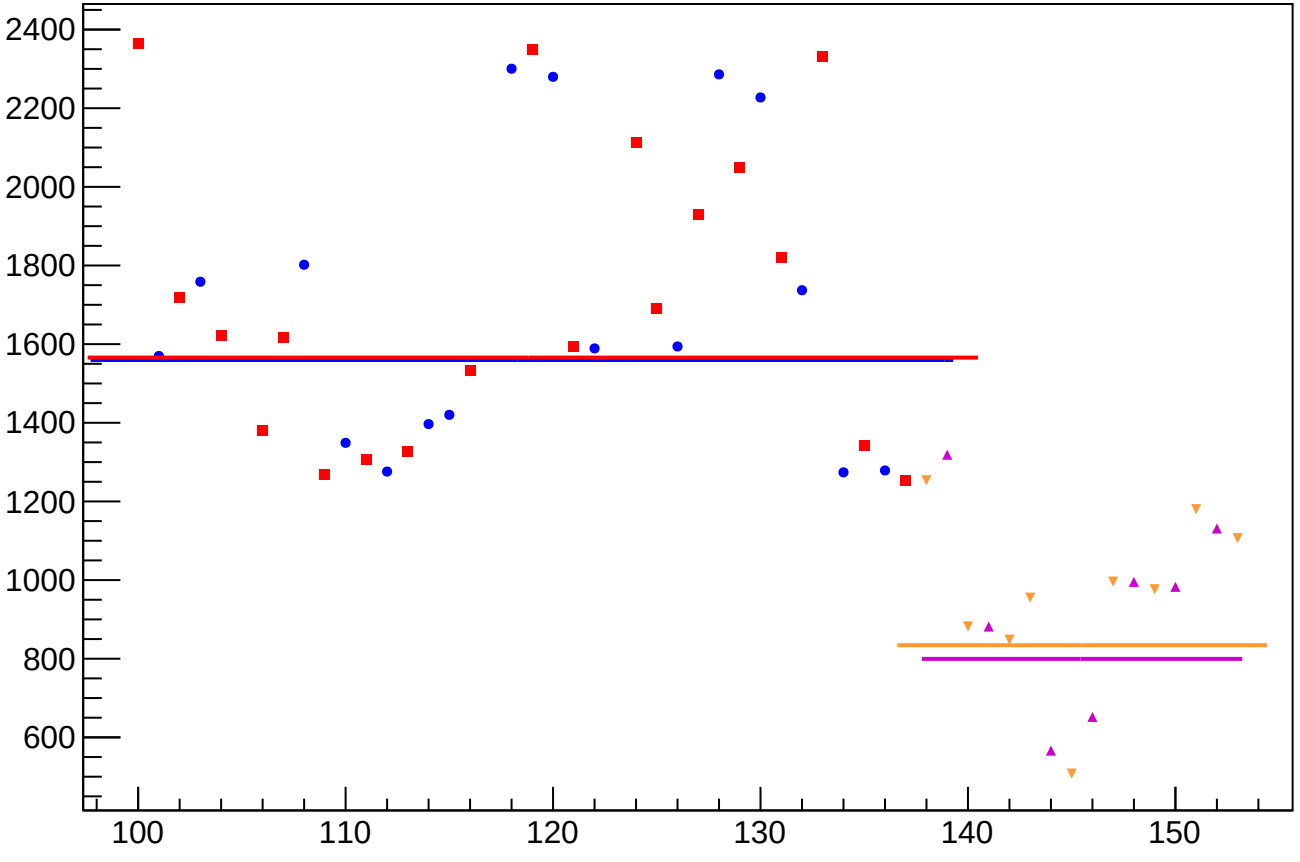
Right: 324.392+/-417.720 χ^2/NDF: 43.3/34

In: -53.580+/-295.366 χ^2/NDF:31.2/22

Out: -574.559+/-287.871 χ^2/NDF:52.3/27

All: -320.764+/-206.154 χ^2/NDF: 85.1/50

asym_sam3_dit_correction_rms vs Slug, Sign Corrected



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 834.386+/-0.234 χ^2/NDF:1189450.4/8

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

Left In: 799.623+/-0.240 χ^2/NDF:920933.2/6

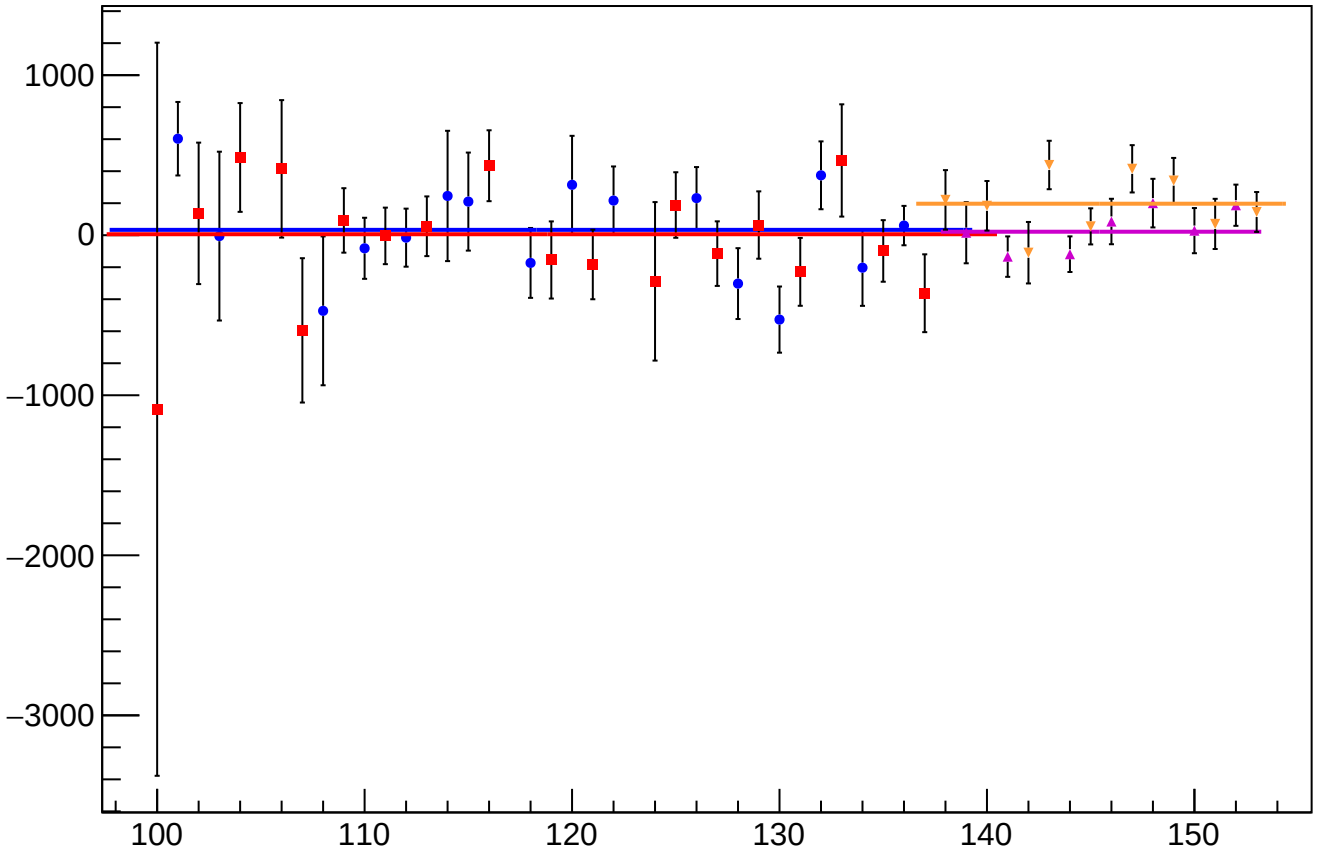
Left: 817.500+/-0.168 χ^2/NDF: 2121129.7/15

Right: 1562.823+/-0.295 χ^2/NDF: 1168163.0/34

In: 986.426+/-0.209 χ^2/NDF:3980313.1/22

Out: 1011.011+/-0.204 χ^2/NDF:4118243.1/27

All: 999.035+/-0.146 χ^2/NDF: 8105662.6/50



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 196.788+/-48.761 χ^2/NDF:10.7/8

Right Out: 6.103+/-56.090 χ^2/NDF: 17.3/18

Left In: 21.766+/-51.693 χ^2/NDF:6.4/6

Left: 114.380+/-35.471 χ^2/NDF: 23.2/15

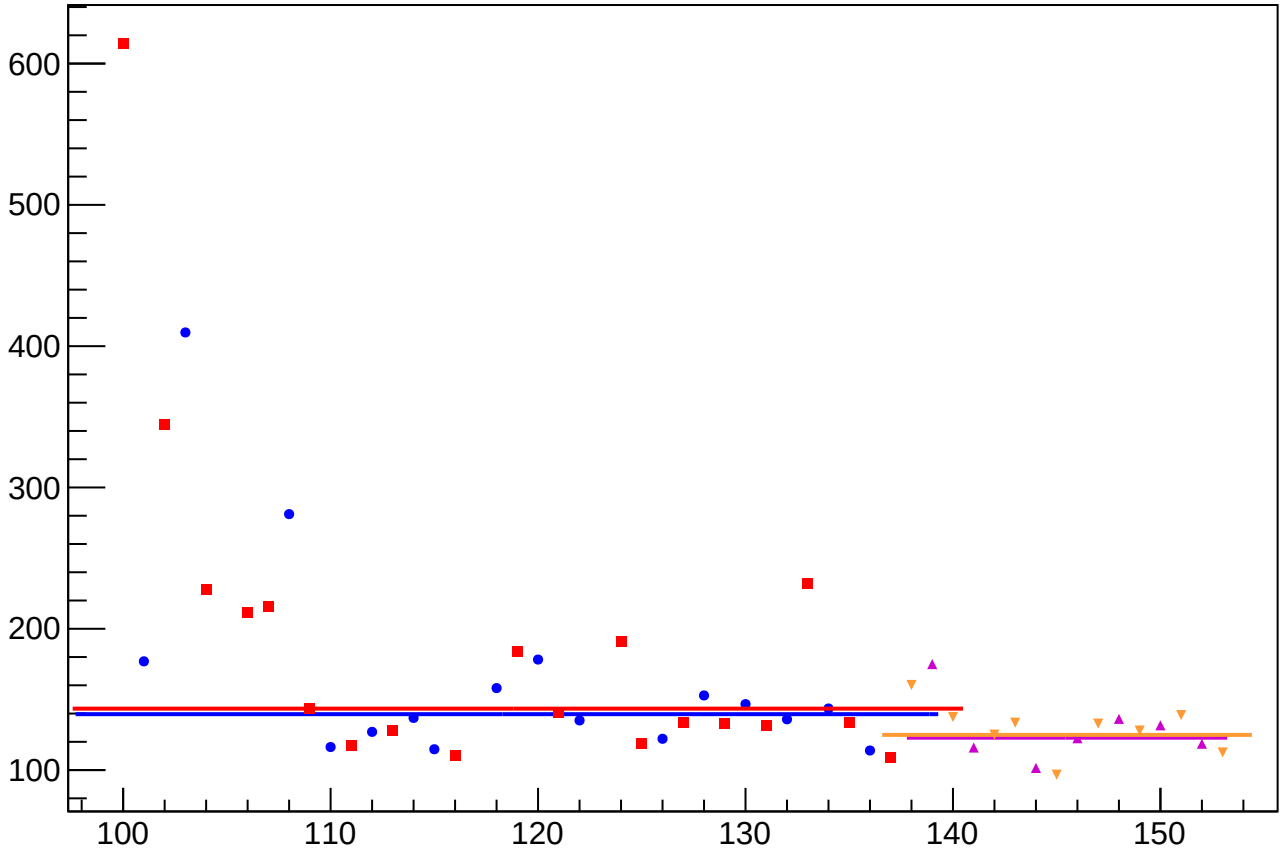
Right: 20.078+/-39.237 χ^2/NDF: 42.6/34

In: 27.265+/-37.638 χ^2/NDF:31.6/22

Out: 114.709+/-36.800 χ^2/NDF:34.6/27

All: 71.971+/-26.313 χ^2/NDF: 68.9/50

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 124.907+/-0.034 χ^2/NDF:259381.3/8

Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 122.924+/-0.037 χ^2/NDF:253869.7/6

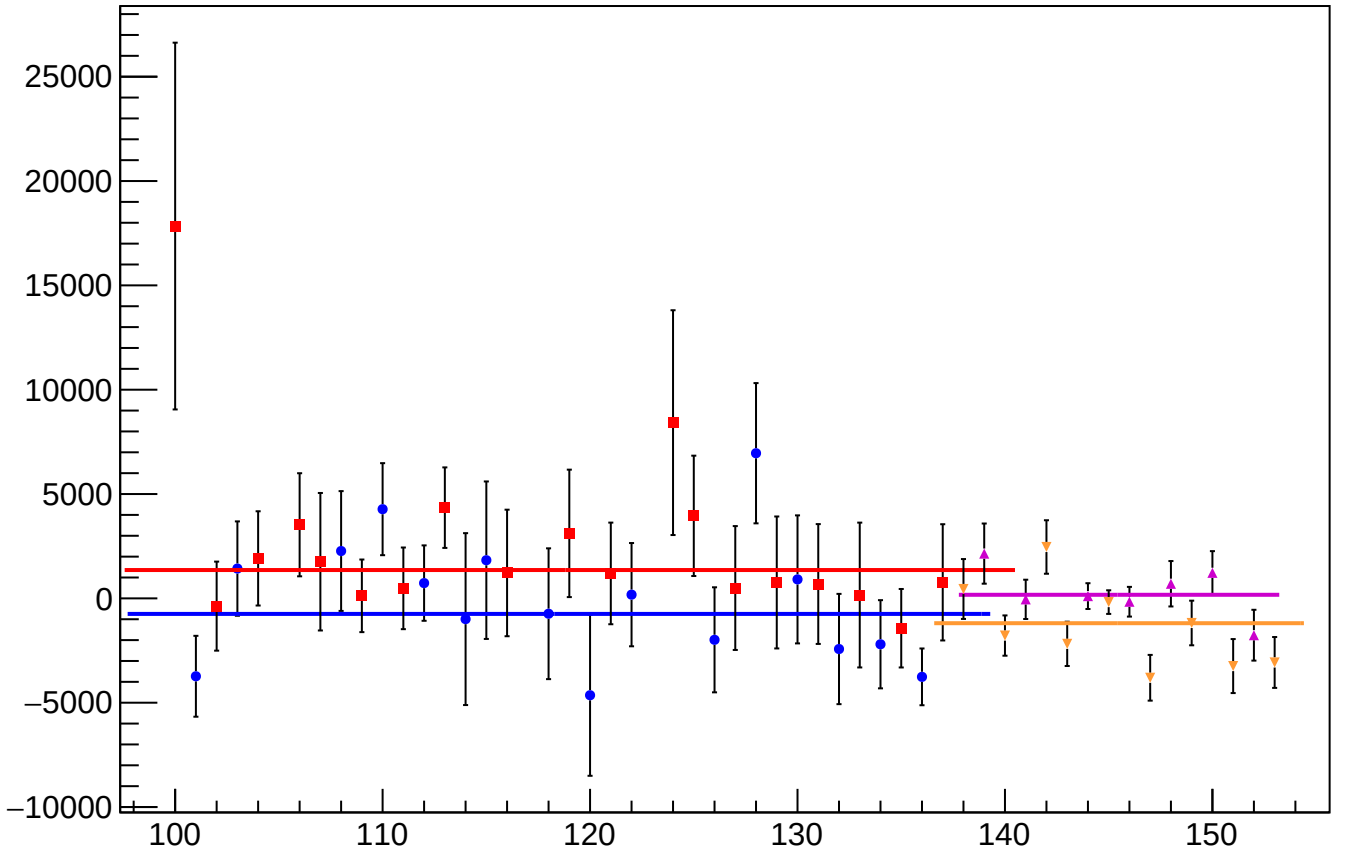
Left: 123.973+/-0.025 χ^2/NDF: 514808.9/15

Right: 141.482+/-0.028 χ^2/NDF: 2098386.0/34

In: 130.744+/-0.027 χ^2/NDF:1328016.9/22

Out: 132.902+/-0.026 χ^2/NDF:1500953.9/27

All: 131.847+/-0.019 χ^2/NDF: 2832331.4/50



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -1189.770+/-330.532 χ^2/NDF:24.5/8

Right Out: 1357.874+/-585.807 χ^2/NDF: 13.5/18

Left In: 171.603+/-340.099 χ^2/NDF:6.0/6

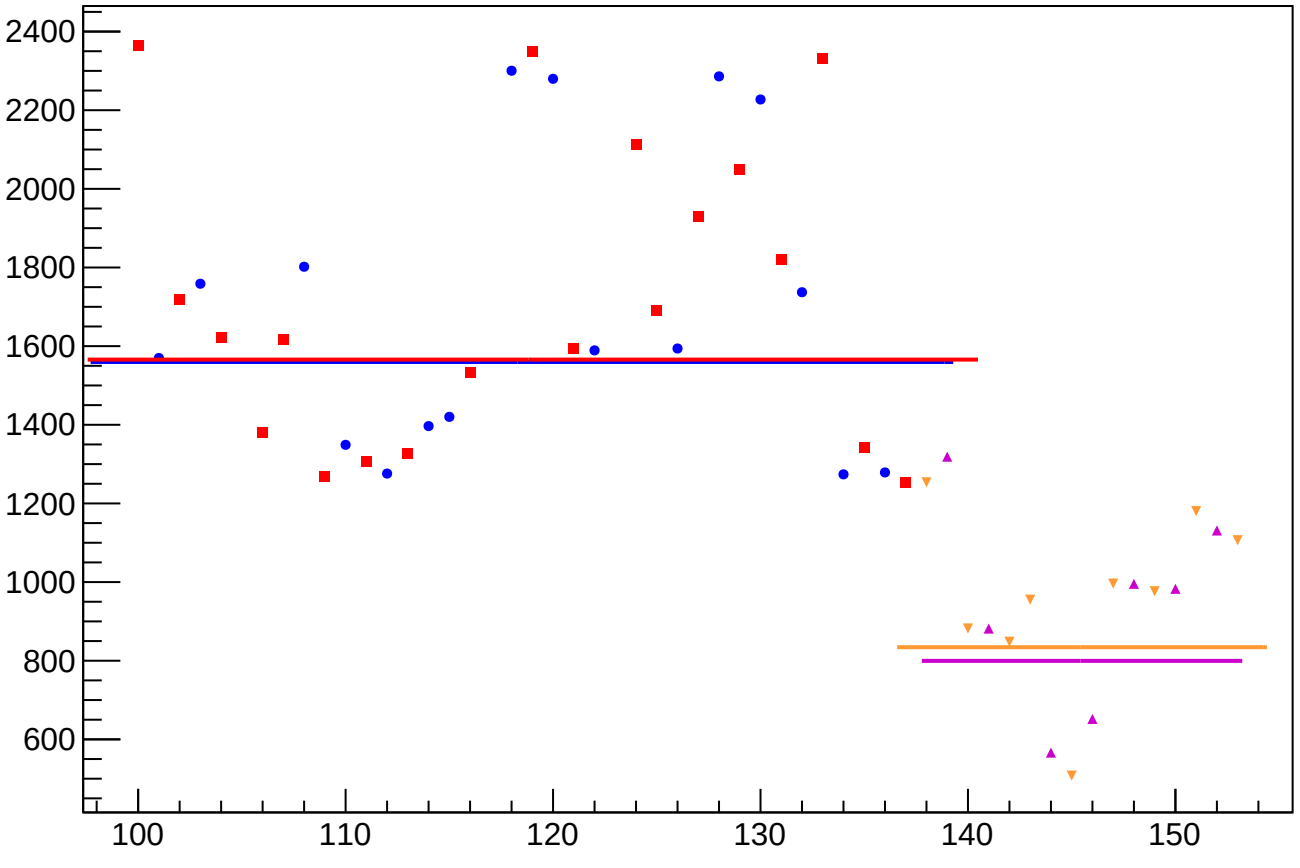
Left: -528.499+/-237.032 χ^2/NDF: 38.6/15

Right: 324.394+/-417.720 χ^2/NDF: 43.3/34

In: -53.580+/-295.366 χ^2/NDF:31.2/22

Out: -574.560+/-287.870 χ^2/NDF:52.3/27

All: -320.764+/-206.154 χ^2/NDF: 85.1/50



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 834.385+/-0.234 χ^2/NDF:1189448.9/8

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

Left In: 799.622+/-0.240 χ^2/NDF:920932.3/6

Left: 817.500+/-0.168 χ^2/NDF: 2121127.3/15

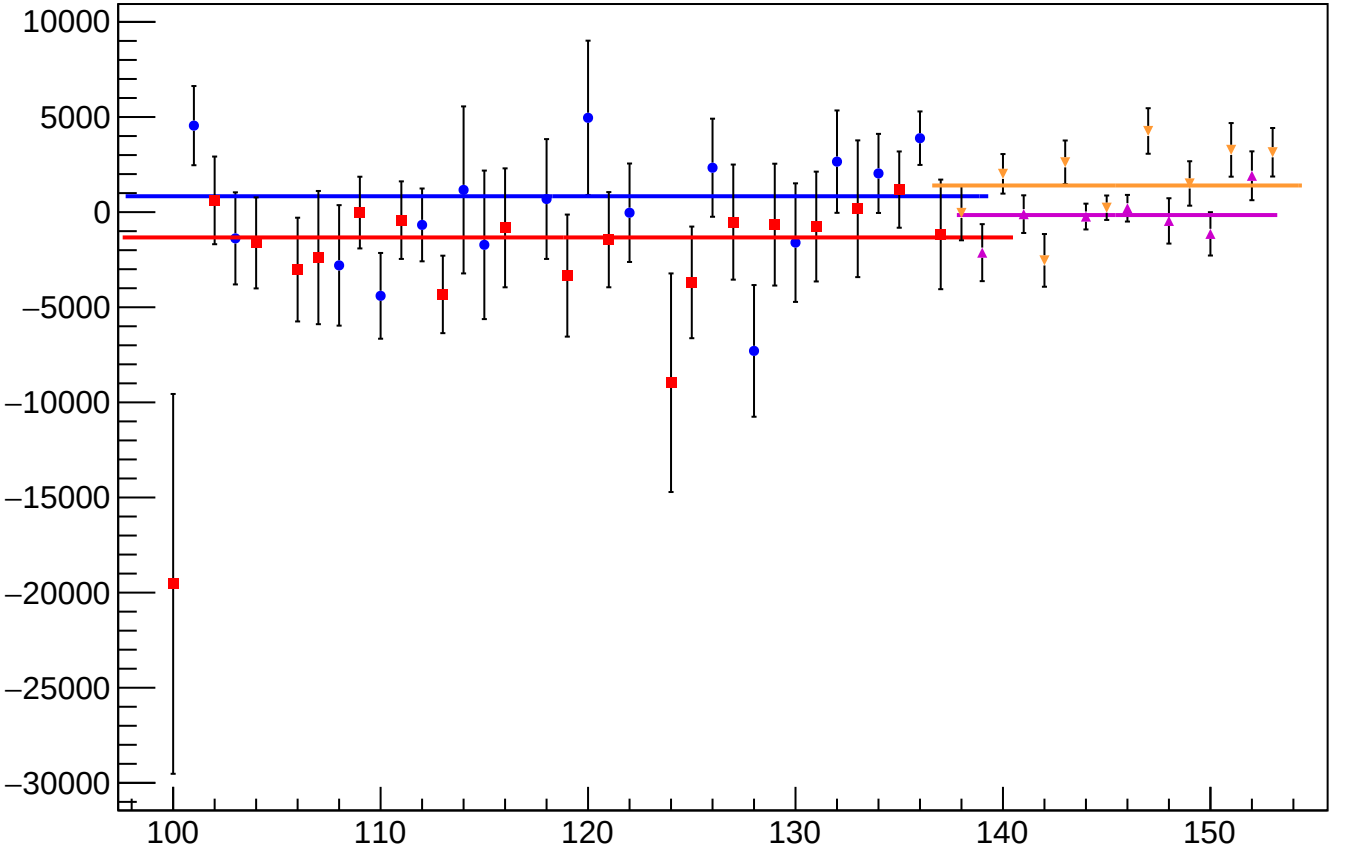
Right: 1562.821+/-0.295 χ^2/NDF: 1168161.1/34

In: 986.425+/-0.209 χ^2/NDF:3980312.6/22

Out: 1011.010+/-0.204 χ^2/NDF:4118237.9/27

All: 999.034+/-0.146 χ^2/NDF: 8105656.9/50

asym_sam3_mean vs Slug, Sign Corrected



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 1401.100+/-361.169 χ^2/NDF:23.3/8

Right Out: -1329.538+/-616.428 χ^2/NDF: 12.1/18

Left In: -153.170+/-358.920 χ^2/NDF:5.4/6

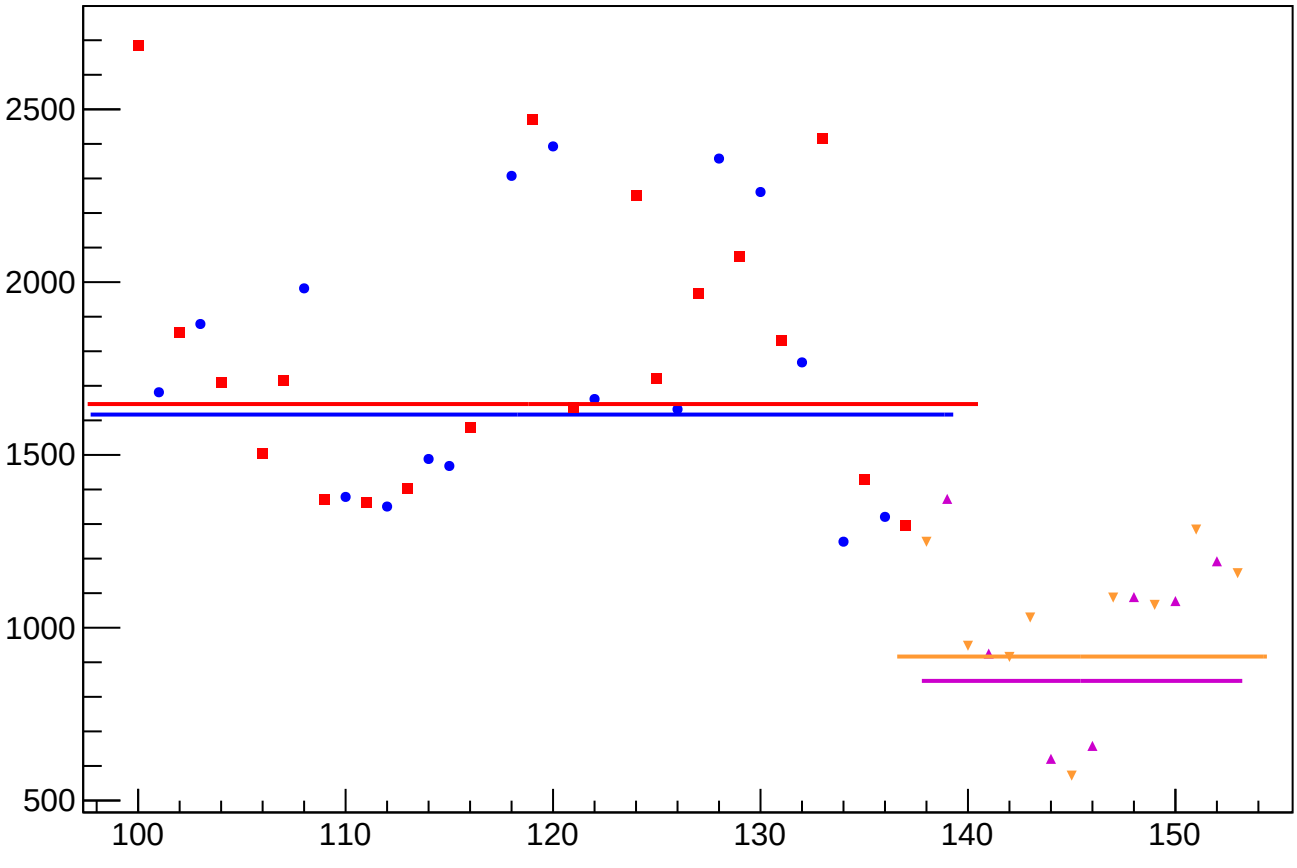
Left: 619.111+/-254.586 χ^2/NDF: 38.0/15

Right: -251.145+/-436.710 χ^2/NDF: 43.2/34

In: 95.726+/-310.471 χ^2/NDF:32.2/22

Out: 703.267+/-311.620 χ^2/NDF:50.0/27

All: 398.374+/-219.941 χ^2/NDF: 84.1/50



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 916.593+/-0.255 χ^2/NDF:985155.7/8

Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 846.146+/-0.254 χ^2/NDF:936118.6/6

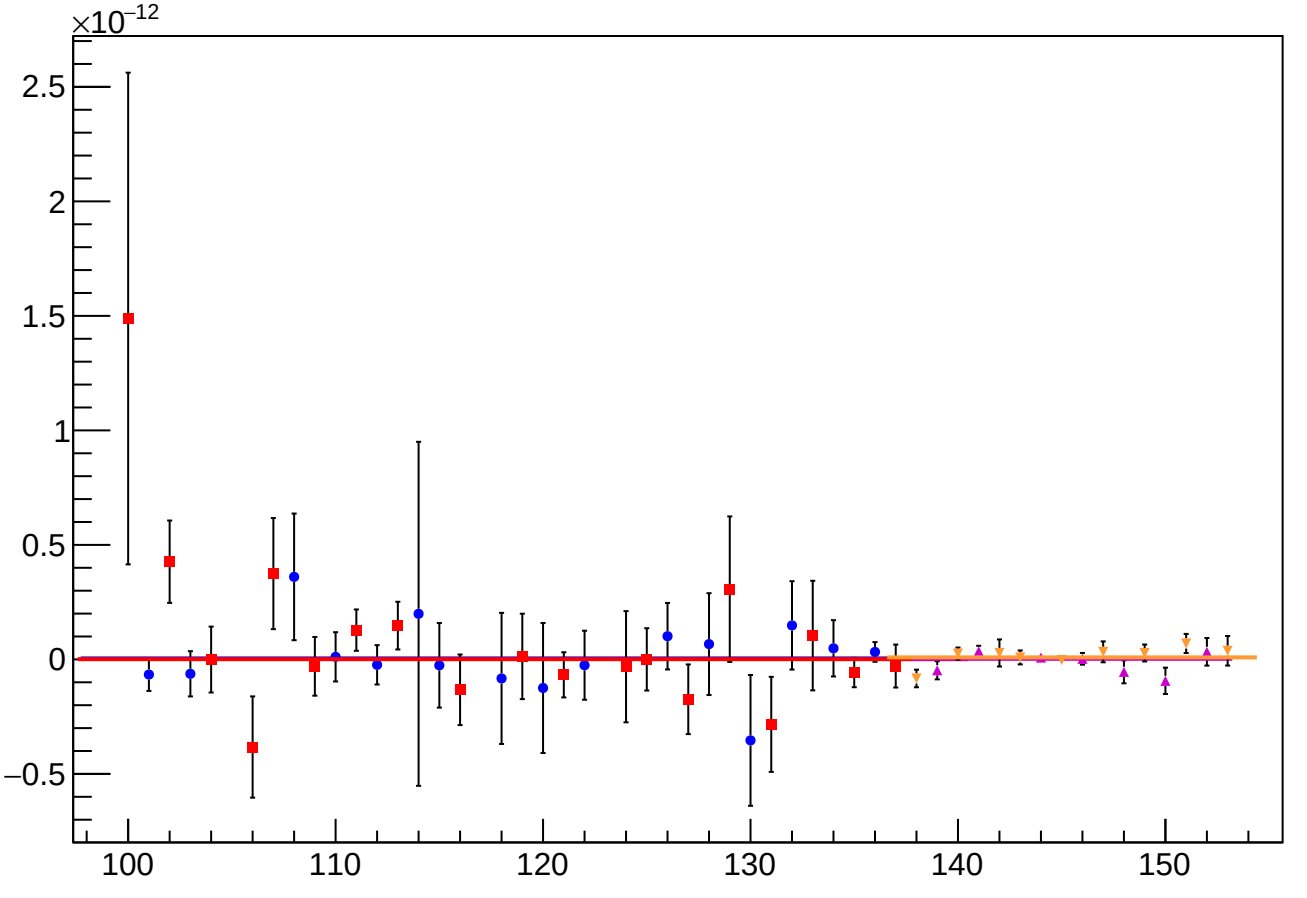
Left: 881.150+/-0.180 χ^2/NDF: 1959557.7/15

Right: 1632.074+/-0.309 χ^2/NDF: 1148558.3/34

In: 1040.159+/-0.220 χ^2/NDF:3879668.6/22

Out: 1103.312+/-0.220 χ^2/NDF:3600704.1/27

All: 1071.619+/-0.156 χ^2/NDF: 7521595.3/50



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.5/8

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/18

Left In: 0.000+/-0.000 χ^2/NDF:8.0/6

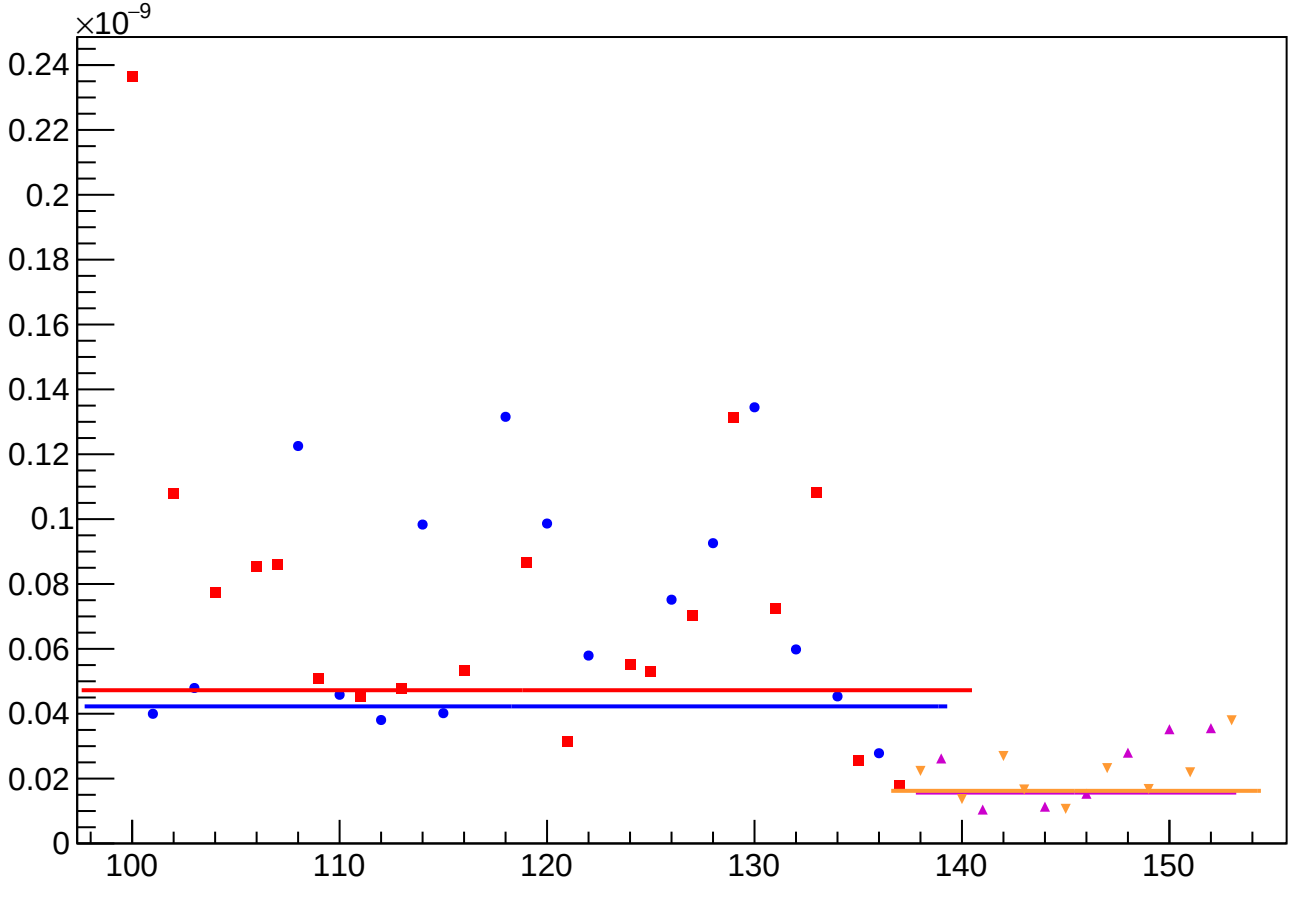
Left: 0.000+/-0.000 χ^2/NDF: 17.6/15

Right: 0.000+/-0.000 χ^2/NDF: 30.3/34

In: 0.000+/-0.000 χ^2/NDF:14.8/22

Out: 0.000+/-0.000 χ^2/NDF:33.0/27

All: 0.000+/-0.000 χ^2/NDF: 47.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:628630.2/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

Left In: 0.000+/-0.000 χ^2/NDF:922872.0/6

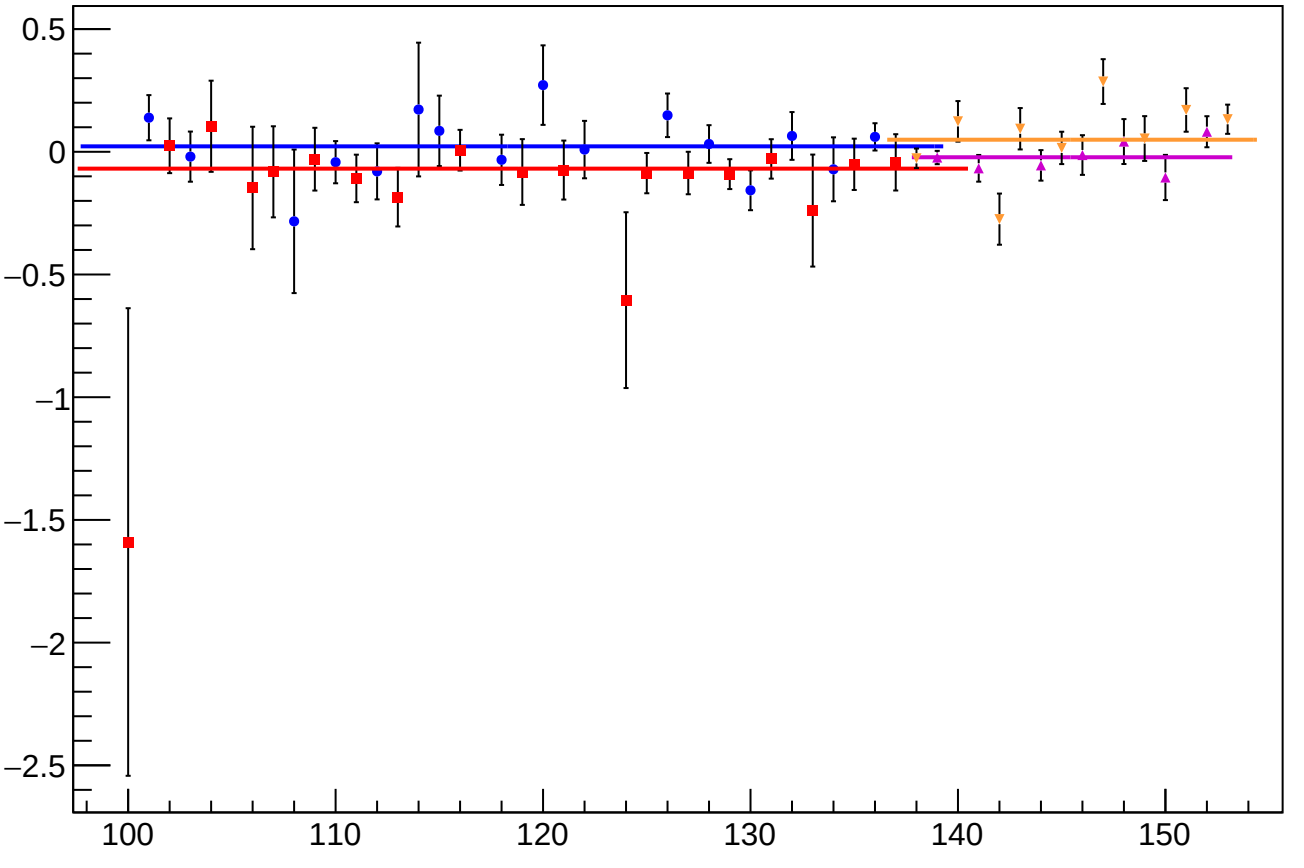
Left: 0.000+/-0.000 χ^2/NDF: 1553905.4/15

Right: 0.000+/-0.000 χ^2/NDF: 2588419.0/34

In: 0.000+/-0.000 χ^2/NDF:3699645.7/22

Out: 0.000+/-0.000 χ^2/NDF:3895681.6/27

All: 0.000+/-0.000 χ^2/NDF: 7595924.7/50



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.049+/-0.023 χ^2/NDF:25.2/8

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.022+/-0.020 χ^2/NDF:5.0/6

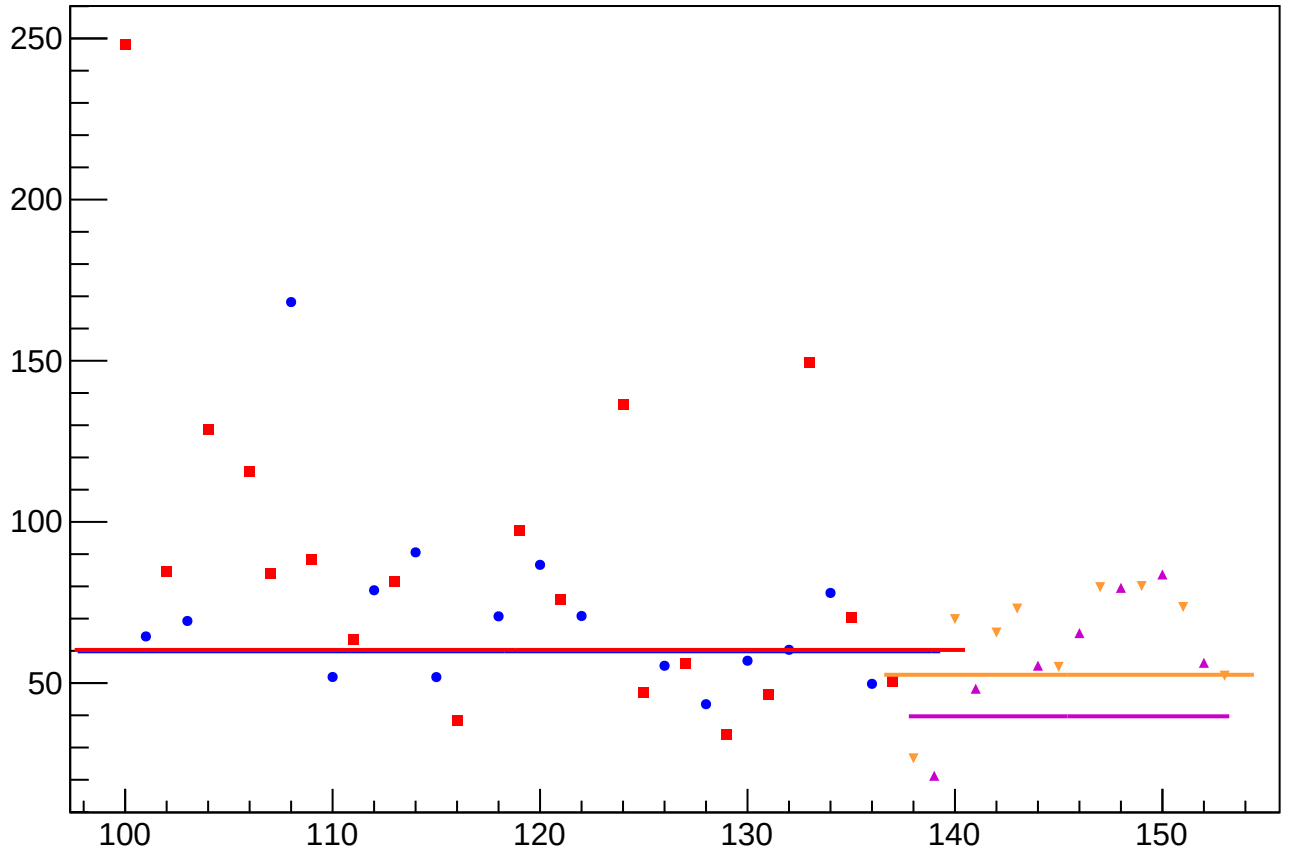
Left: 0.008+/-0.015 χ^2/NDF: 35.8/15

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.005+/-0.015 χ^2/NDF:22.4/22

Out: -0.004+/-0.017 χ^2/NDF:46.7/27

All: -0.005+/-0.011 χ^2/NDF: 69.2/50



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 52.574+/-0.016 χ^2/NDF:1560280.6/8

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 39.686+/-0.014 χ^2/NDF:2278039.6/6

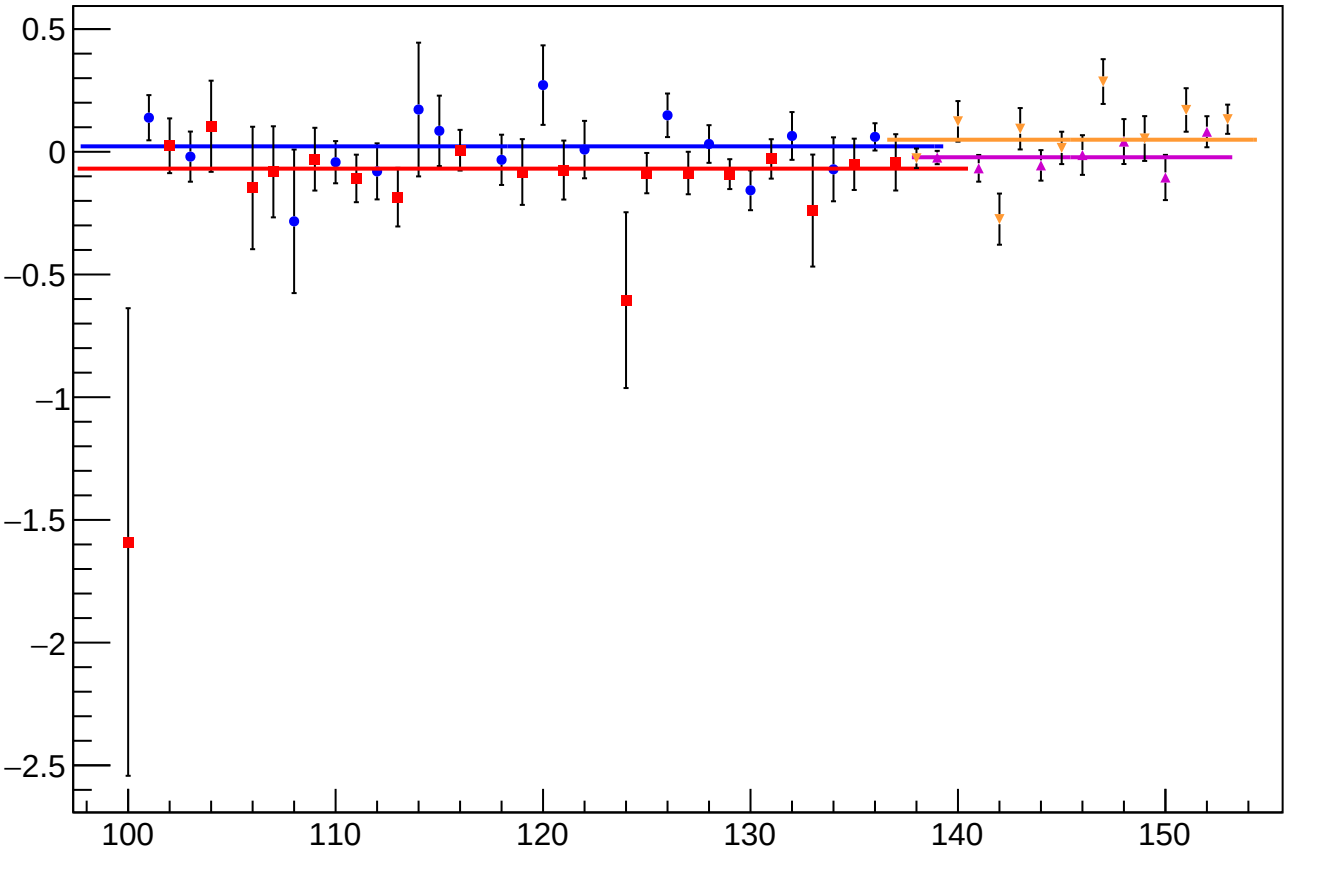
Left: 45.118+/-0.011 χ^2/NDF: 4201488.2/15

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 47.511+/-0.011 χ^2/NDF:3796189.0/22

Out: 56.064+/-0.012 χ^2/NDF:3639114.6/27

All: 51.353+/-0.008 χ^2/NDF: 7713694.3/50



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.049+/-0.023 χ^2/NDF:25.2/8

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.022+/-0.020 χ^2/NDF:5.0/6

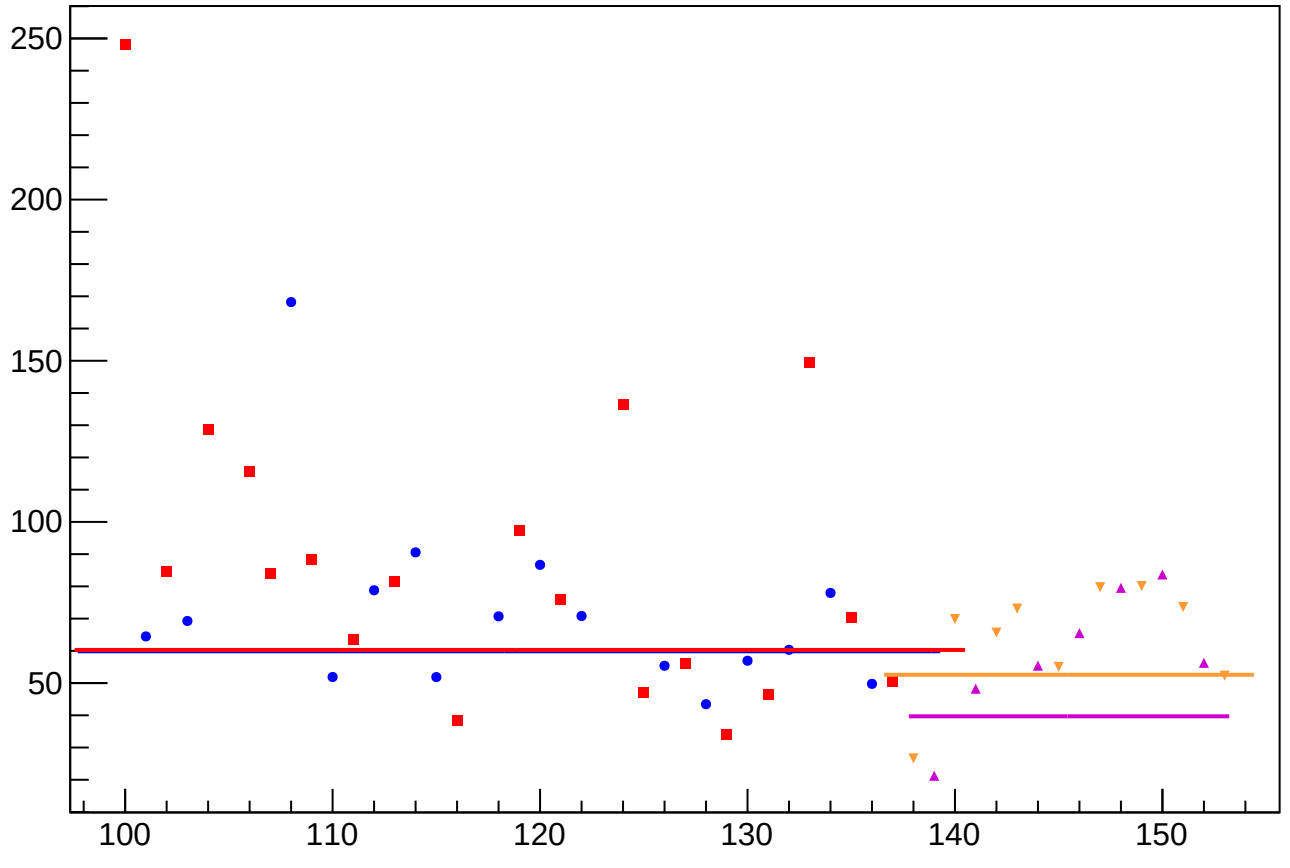
Left: 0.008+/-0.015 χ^2/NDF: 35.8/15

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.005+/-0.015 χ^2/NDF:22.4/22

Out: -0.004+/-0.017 χ^2/NDF:46.7/27

All: -0.005+/-0.011 χ^2/NDF: 69.2/50



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 52.574+/-0.016 χ^2/NDF:1560280.6/8

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 39.686+/-0.014 χ^2/NDF:2278039.6/6

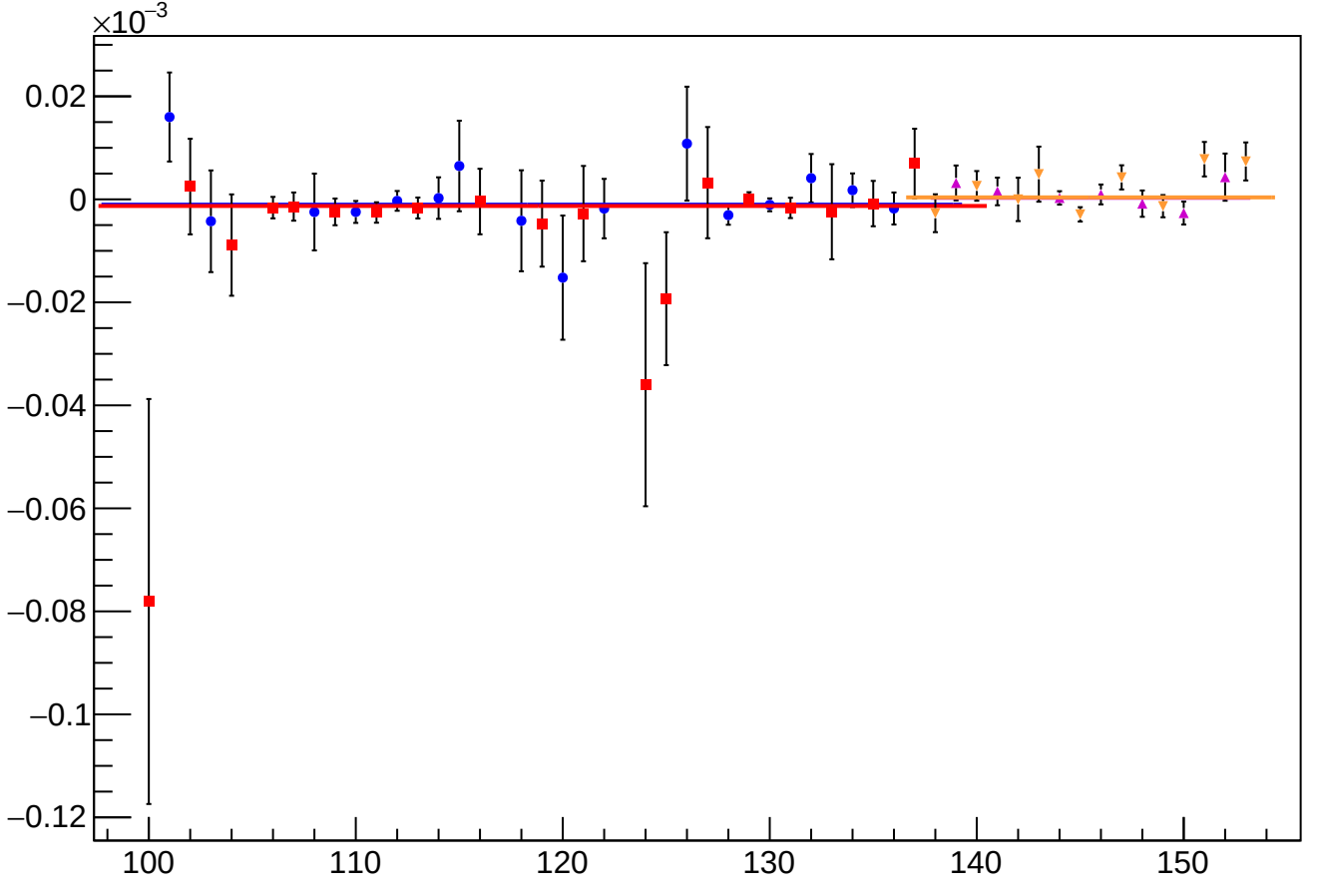
Left: 45.118+/-0.011 χ^2/NDF: 4201488.2/15

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 47.511+/-0.011 χ^2/NDF:3796189.0/22

Out: 56.064+/-0.012 χ^2/NDF:3639114.6/27

All: 51.353+/-0.008 χ^2/NDF: 7713694.3/50



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/8

Right Out: -0.000+/-0.000 χ^2/NDF: 12.5/18

Left In: 0.000+/-0.000 χ^2/NDF:3.8/6

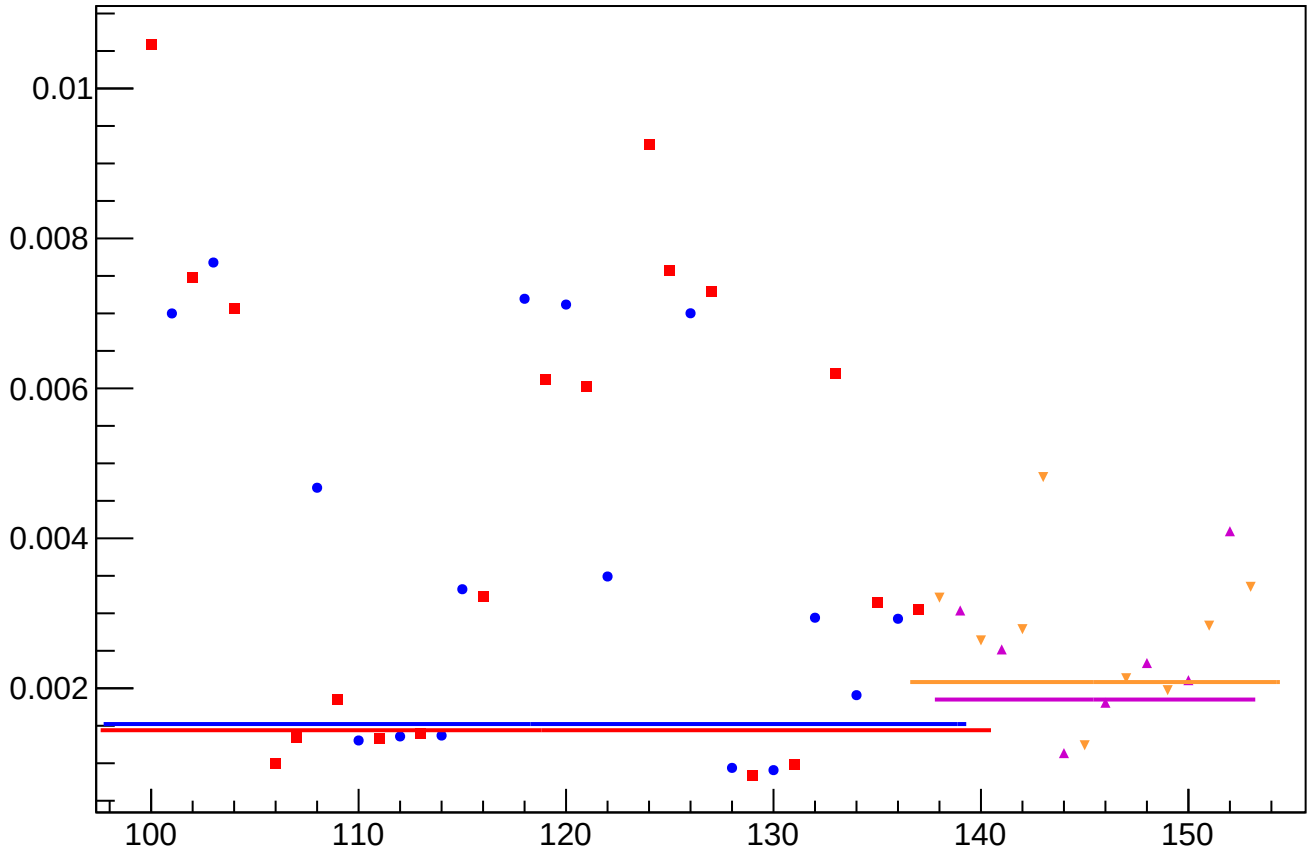
Left: 0.000+/-0.000 χ^2/NDF: 23.2/15

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:16.5/22

Out: -0.000+/-0.000 χ^2/NDF:34.1/27

All: -0.000+/-0.000 χ^2/NDF: 50.7/50



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:1911840.8/8

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

Left In: 0.002+/-0.000 χ^2/NDF:1548513.2/6

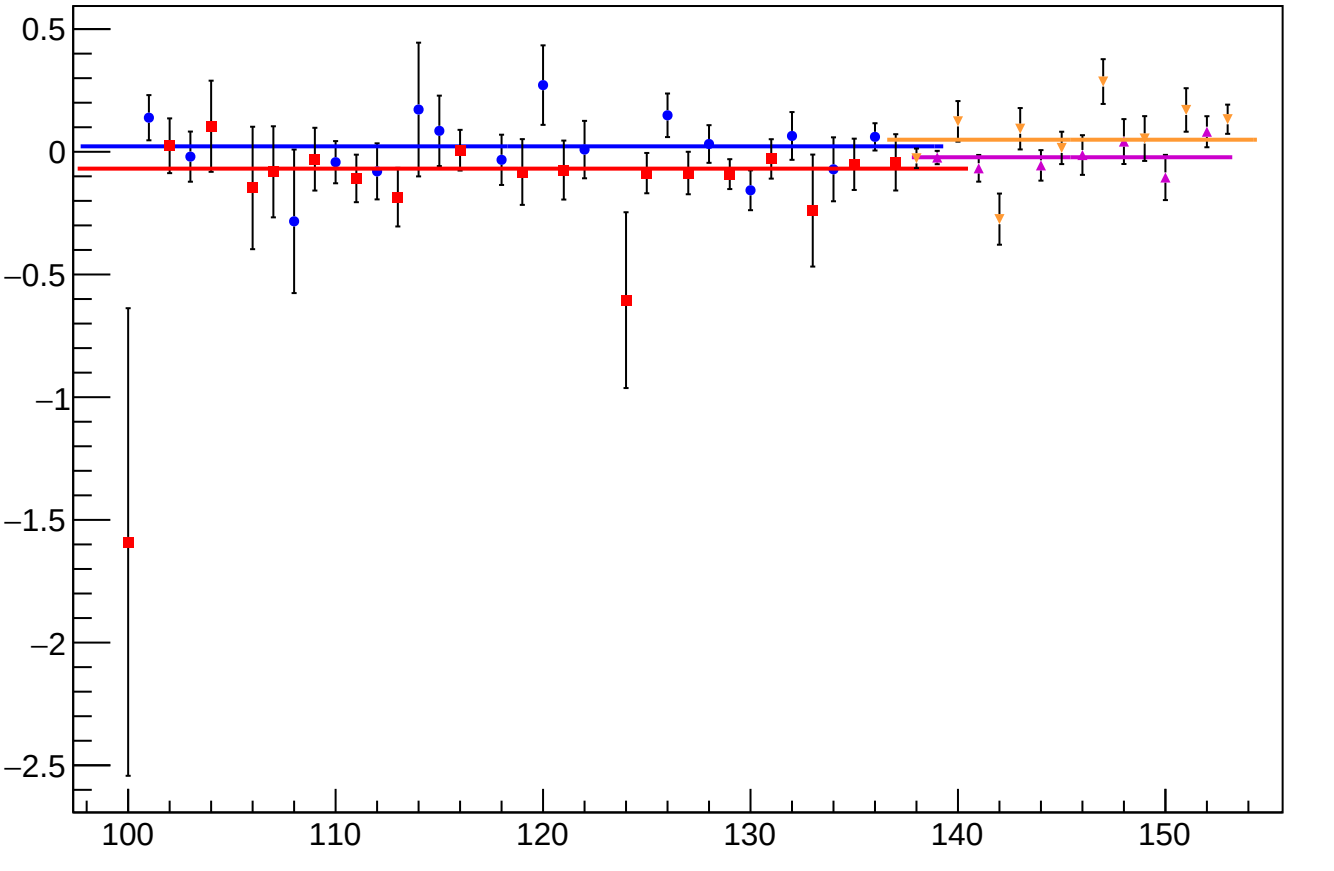
Left: 0.002+/-0.000 χ^2/NDF: 3537482.0/15

Right: 0.001+/-0.000 χ^2/NDF: 10985380.1/34

In: 0.002+/-0.000 χ^2/NDF:6906451.8/22

Out: 0.002+/-0.000 χ^2/NDF:8374415.1/27

All: 0.002+/-0.000 χ^2/NDF: 15283415.2/50



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.049+/-0.023 χ^2/NDF:25.2/8

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.022+/-0.020 χ^2/NDF:5.0/6

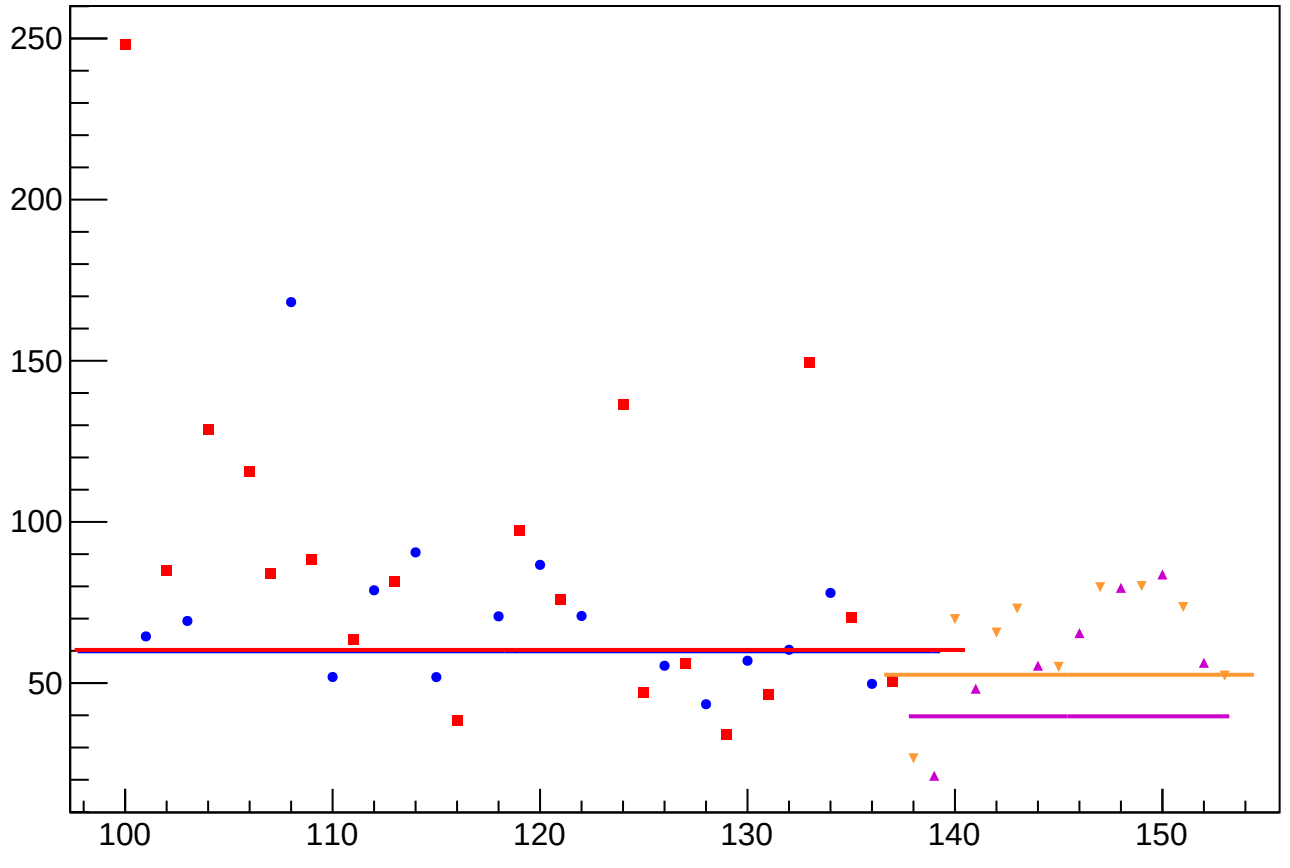
Left: 0.008+/-0.015 χ^2/NDF: 35.8/15

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.005+/-0.015 χ^2/NDF:22.5/22

Out: -0.004+/-0.017 χ^2/NDF:46.7/27

All: -0.005+/-0.011 χ^2/NDF: 69.2/50



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 52.573+/-0.016 χ^2/NDF:1560606.6/8

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 39.684+/-0.014 χ^2/NDF:2278341.4/6

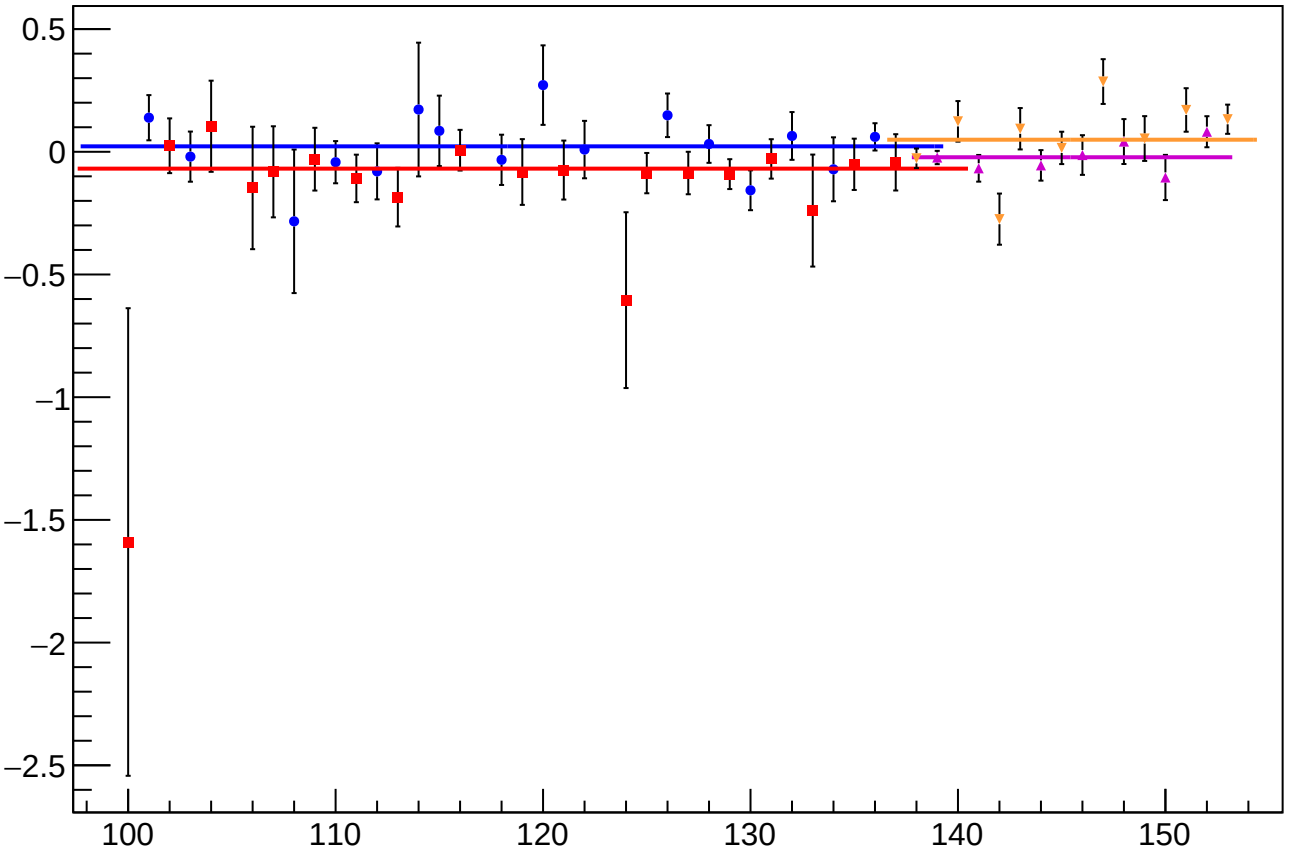
Left: 45.117+/-0.011 χ^2/NDF: 4202146.0/15

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 47.510+/-0.011 χ^2/NDF:3796701.7/22

Out: 56.064+/-0.012 χ^2/NDF:3639547.3/27

All: 51.353+/-0.008 χ^2/NDF: 7714670.8/50



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.049+/-0.023 χ^2/NDF:25.2/8

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.022+/-0.020 χ^2/NDF:5.0/6

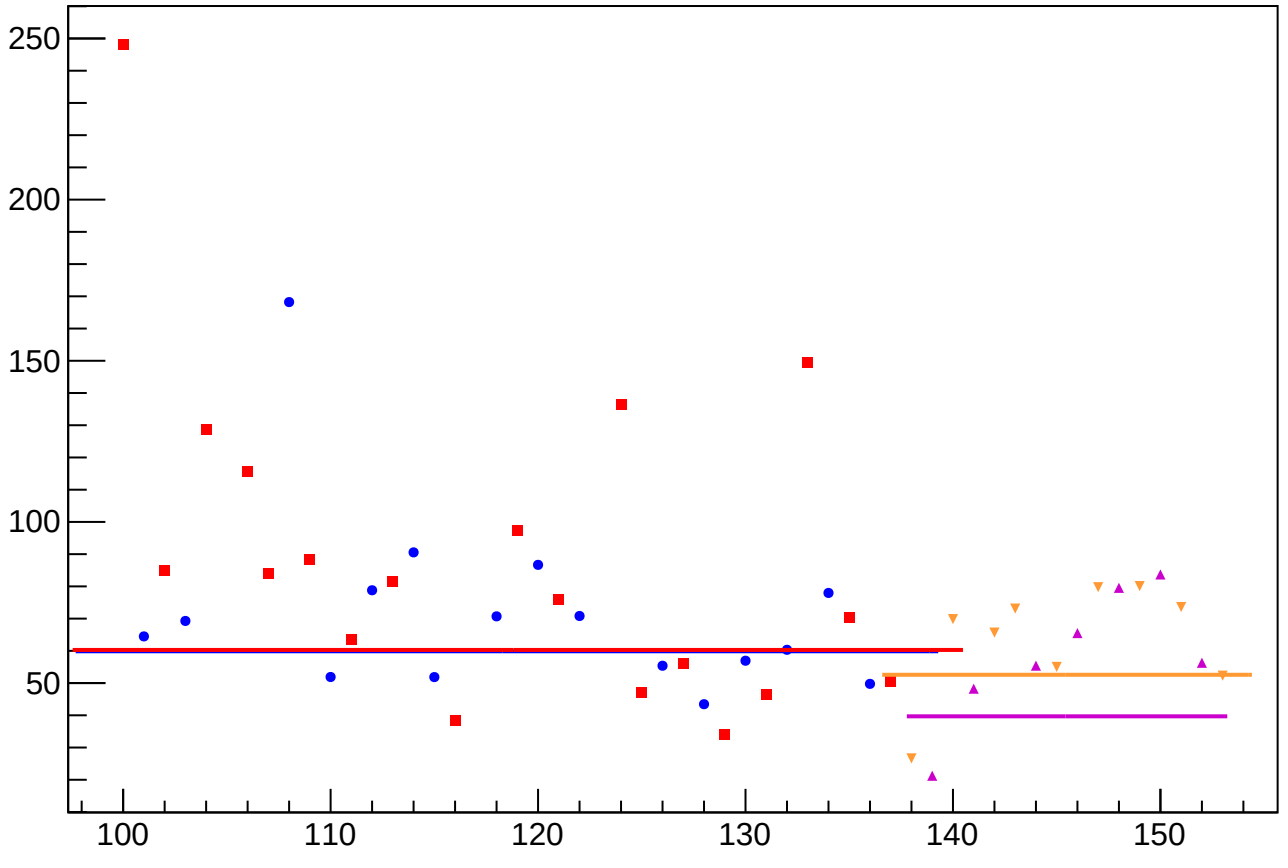
Left: 0.008+/-0.015 χ^2/NDF: 35.8/15

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.005+/-0.015 χ^2/NDF:22.5/22

Out: -0.004+/-0.017 χ^2/NDF:46.7/27

All: -0.005+/-0.011 χ^2/NDF: 69.2/50



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 52.573+/-0.016 χ^2/NDF:1560606.6/8

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 39.684+/-0.014 χ^2/NDF:2278341.4/6

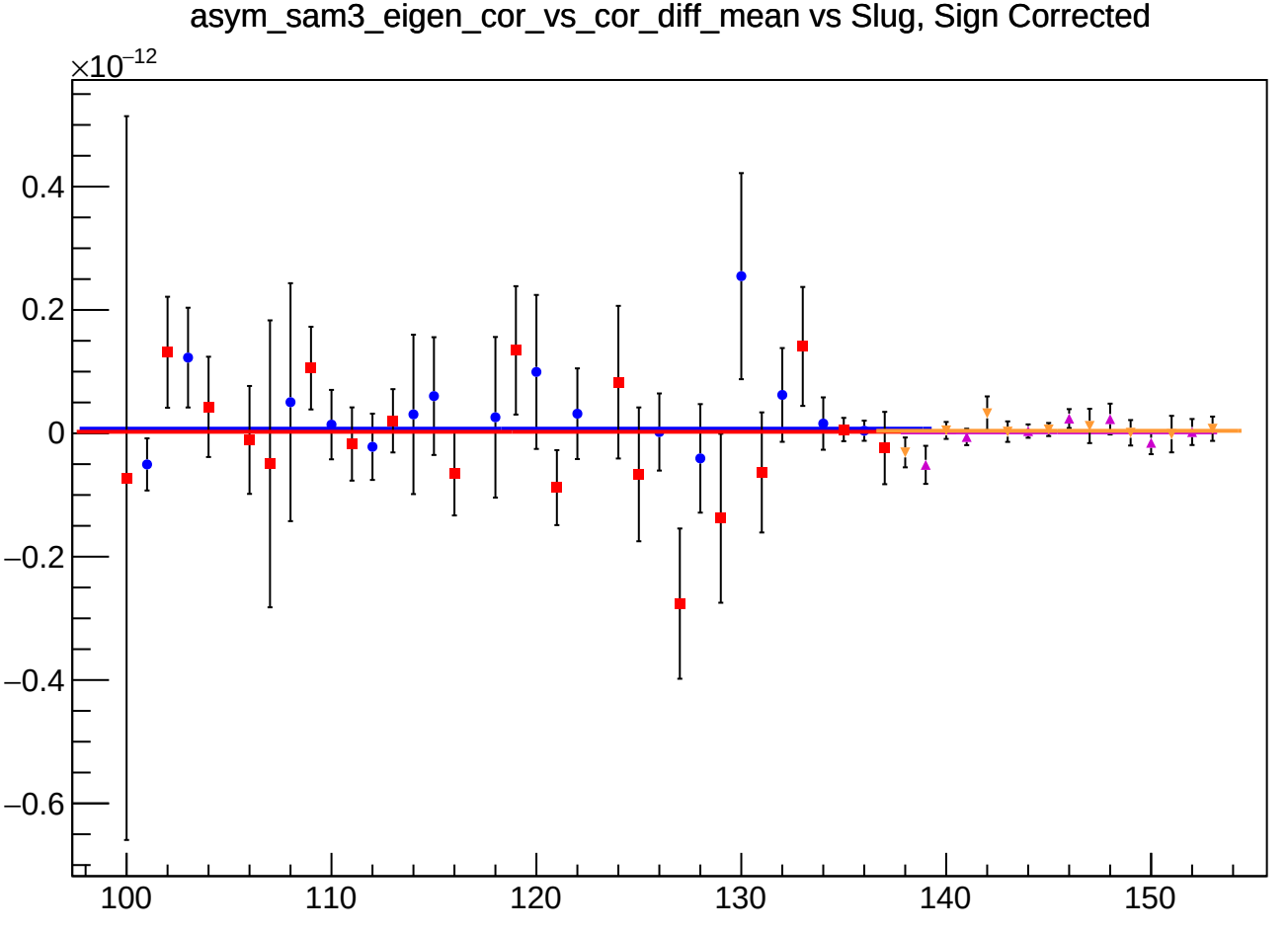
Left: 45.117+/-0.011 χ^2/NDF: 4202146.0/15

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 47.510+/-0.011 χ^2/NDF:3796701.7/22

Out: 56.064+/-0.012 χ^2/NDF:3639547.3/27

All: 51.353+/-0.008 χ^2/NDF: 7714670.8/50



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.4/8

Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/18

Left In: 0.000+/-0.000 χ^2/NDF:7.0/6

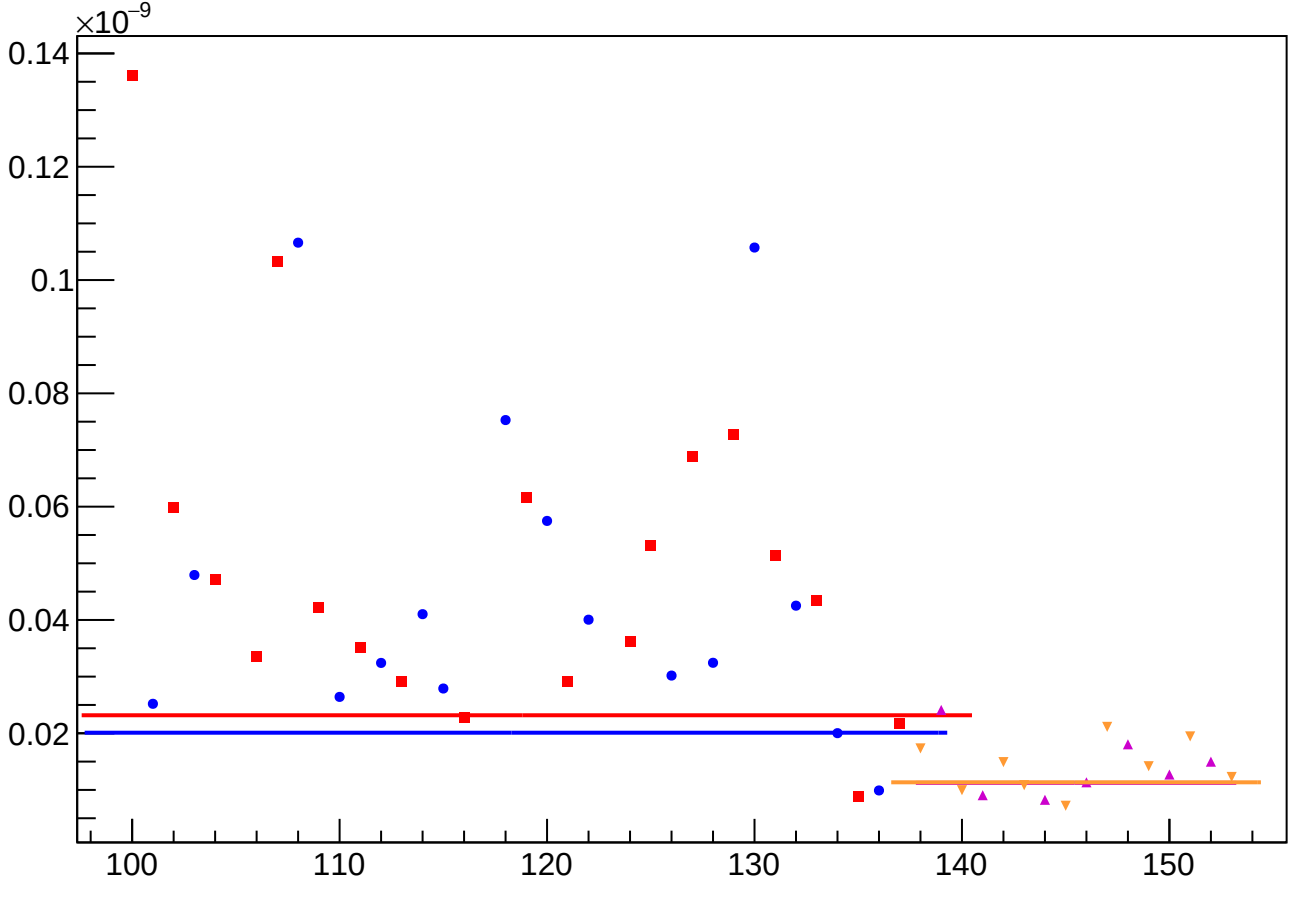
Left: 0.000+/-0.000 χ^2/NDF: 10.4/15

Right: 0.000+/-0.000 χ^2/NDF: 28.1/34

In: 0.000+/-0.000 χ^2/NDF:15.5/22

Out: 0.000+/-0.000 χ^2/NDF:23.1/27

All: 0.000+/-0.000 χ^2/NDF: 38.6/50



Right In: 0.000+/-0.000 χ^2/NDF: 3121422.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:922650.3/8

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

Left In: 0.000+/-0.000 χ^2/NDF:777458.6/6

Left: 0.000+/-0.000 χ^2/NDF: 1700399.8/15

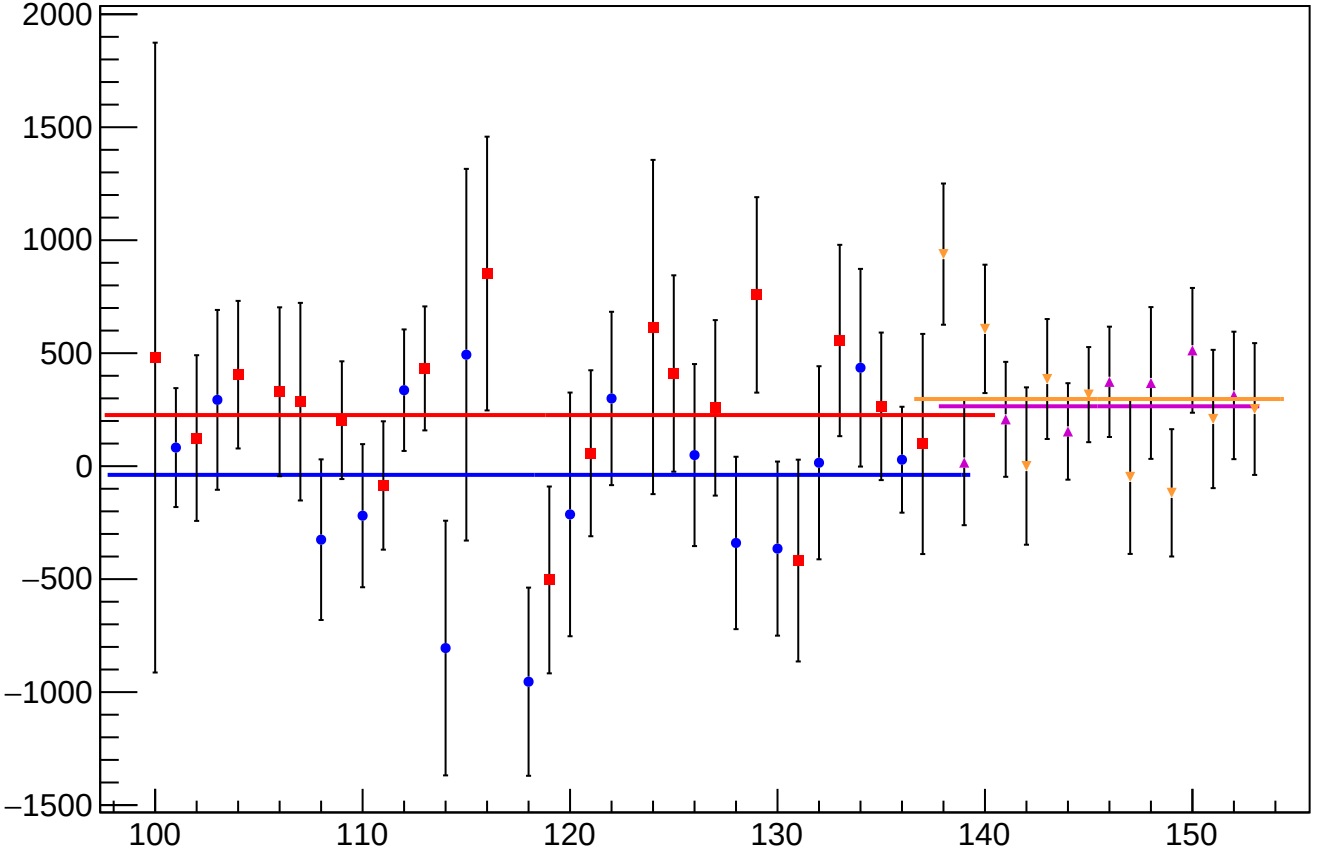
Right: 0.000+/-0.000 χ^2/NDF: 6709527.6/34

In: 0.000+/-0.000 χ^2/NDF:4744387.2/22

Out: 0.000+/-0.000 χ^2/NDF:5736162.8/27

All: 0.000+/-0.000 χ^2/NDF: 10481972.5/50

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 297.145+/-94.796 χ^2/NDF:9.6/8

Right Out: 226.168+/-87.908 χ^2/NDF: 11.4/18

Left In: 265.003+/-99.145 χ^2/NDF:2.3/6

Left: 281.795+/-68.517 χ^2/NDF: 11.9/15

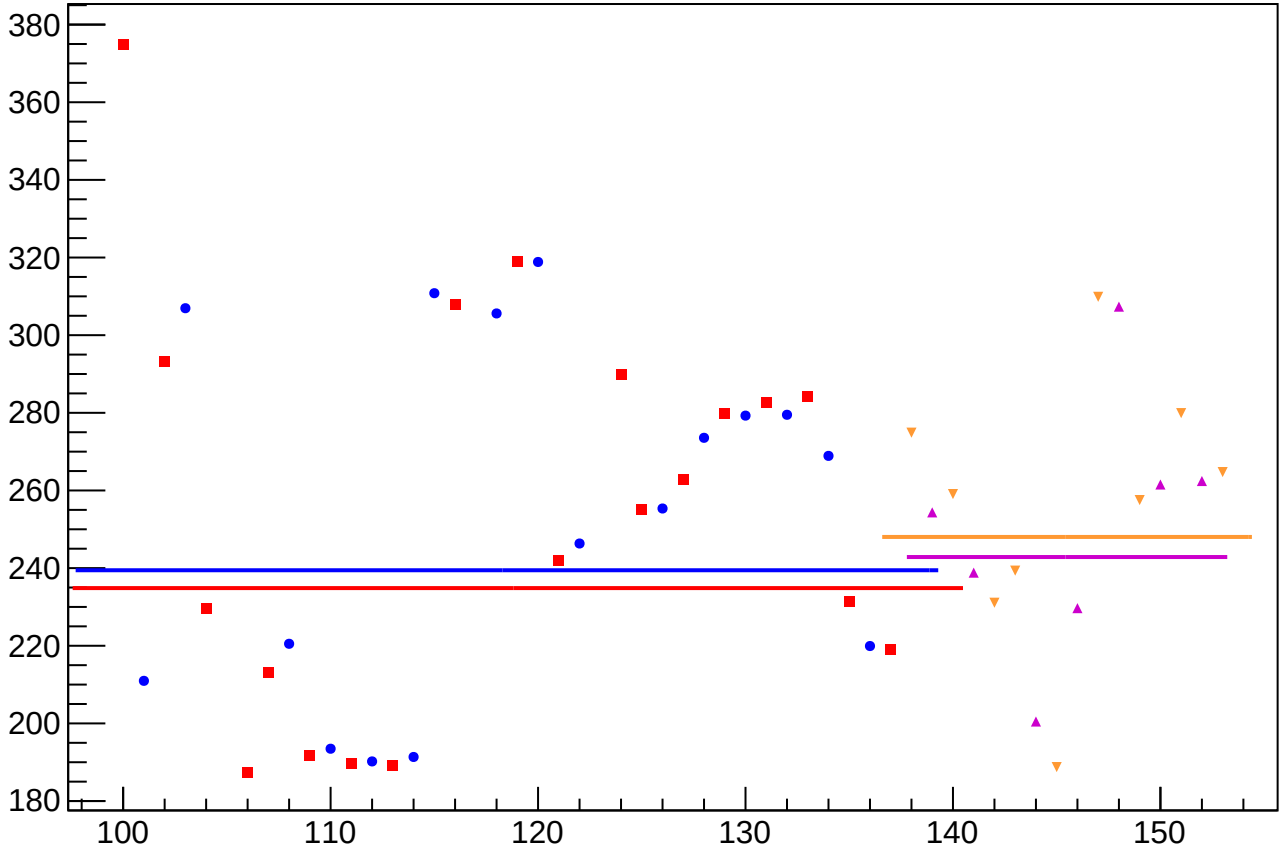
Right: 97.852+/-63.097 χ^2/NDF: 30.3/34

In: 99.644+/-66.889 χ^2/NDF:21.8/22

Out: 258.984+/-64.458 χ^2/NDF:21.3/27

All: 182.262+/-46.414 χ^2/NDF: 46.0/50

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 248.029+/-0.067 χ^2/NDF:279734.1/8

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

Left In: 242.856+/-0.070 χ^2/NDF:181035.6/6

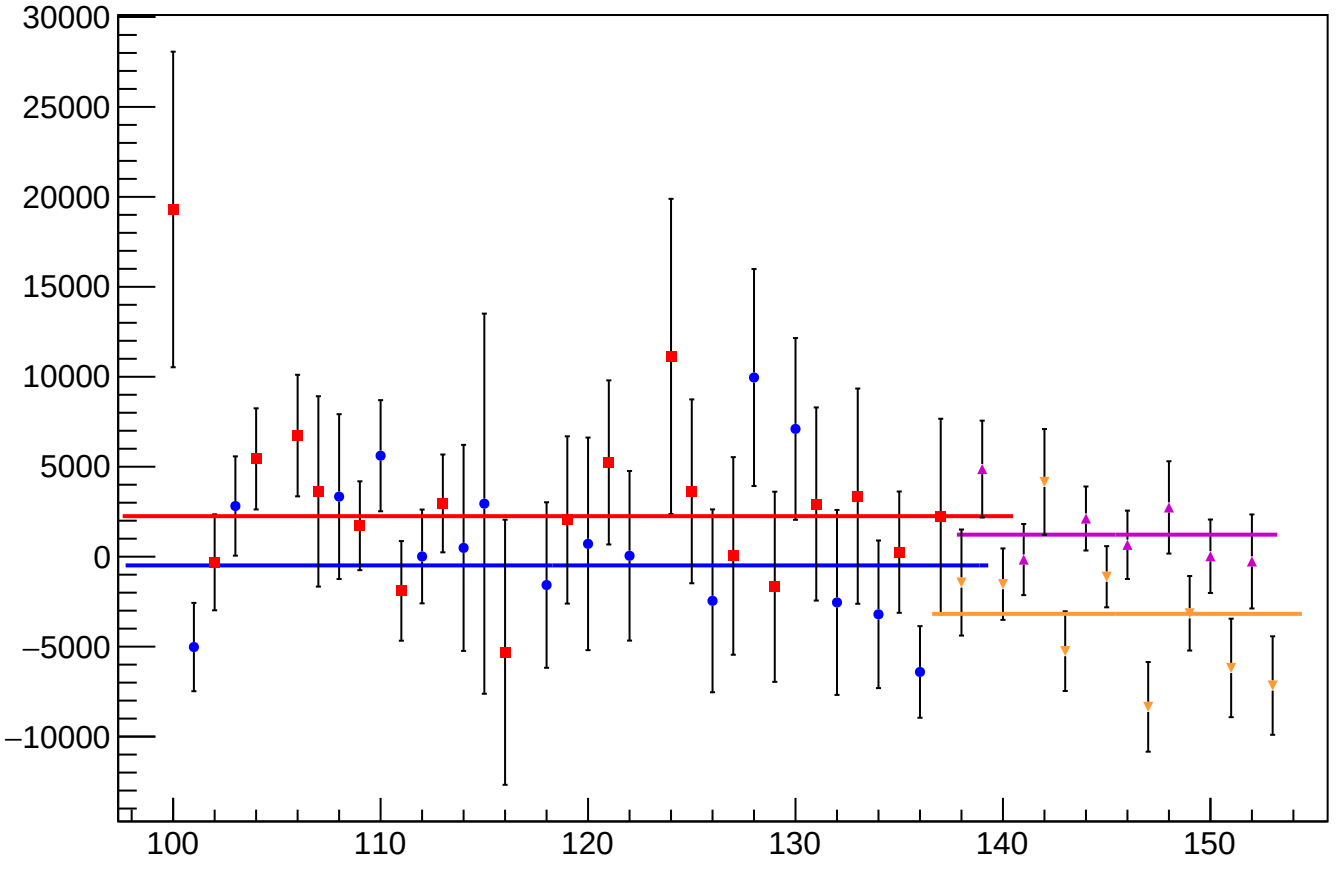
Left: 245.558+/-0.048 χ^2/NDF: 463614.1/15

Right: 237.082+/-0.045 χ^2/NDF: 885319.7/34

In: 241.000+/-0.047 χ^2/NDF:583278.0/22

Out: 240.946+/-0.046 χ^2/NDF:782217.5/27

All: 240.972+/-0.033 χ^2/NDF: 1365496.1/50



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -3177.587+/-767.996 χ^2/NDF:17.2/8

Right Out: 2251.898+/-894.171 χ^2/NDF: 13.9/18

Left In: 1224.319+/-809.697 χ^2/NDF:3.7/6

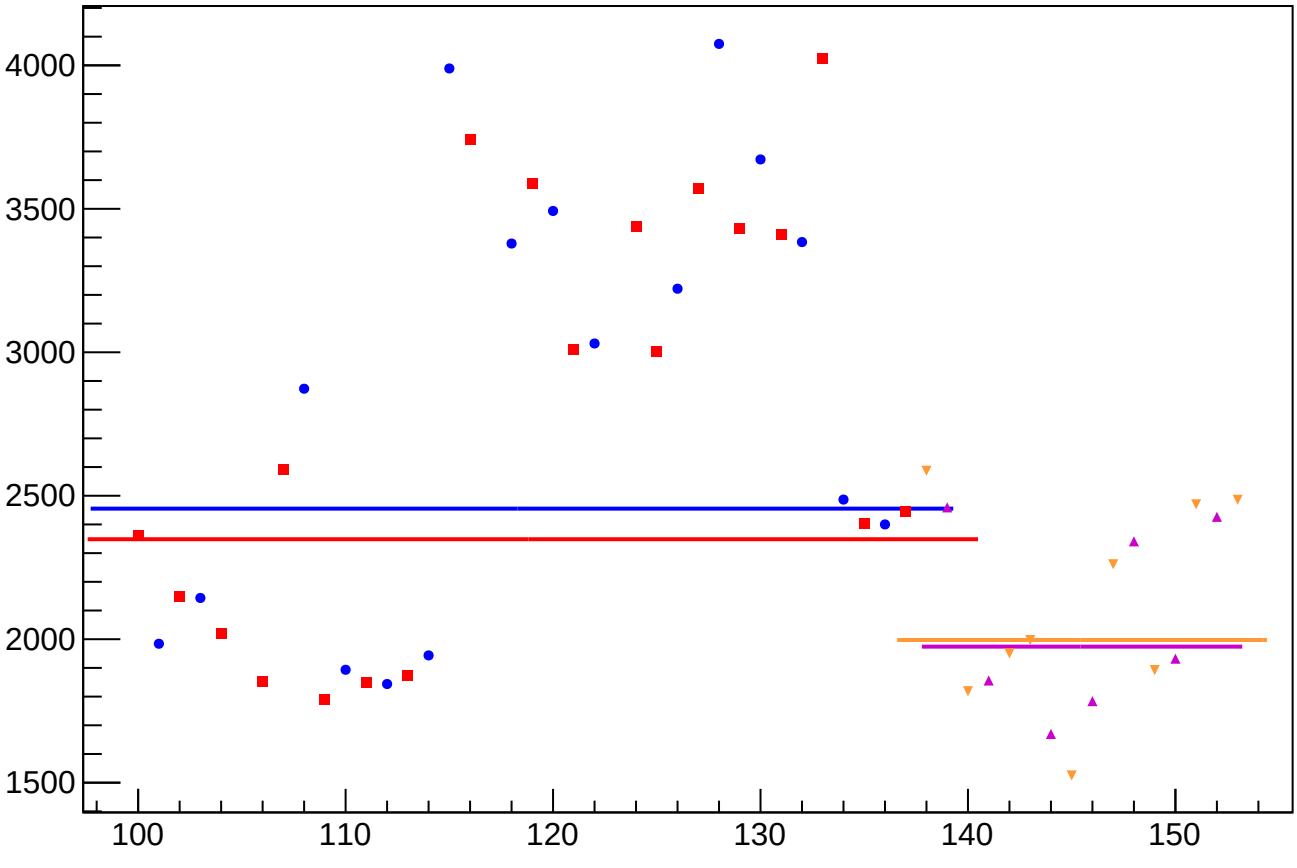
Left: -1092.901+/-557.214 χ^2/NDF: 36.5/15

Right: 962.136+/-650.297 χ^2/NDF: 39.4/34

In: 502.459+/-615.541 χ^2/NDF:26.7/22

Out: -872.635+/-582.602 χ^2/NDF:52.3/27

All: -222.862+/-423.128 χ^2/NDF: 81.7/50



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 1997.270+/-0.543 χ^2/NDF:402021.7/8

Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

Left In: 1974.135+/-0.573 χ^2/NDF:252331.0/6

Left: 1986.314+/-0.394 χ^2/NDF: 655212.2/15

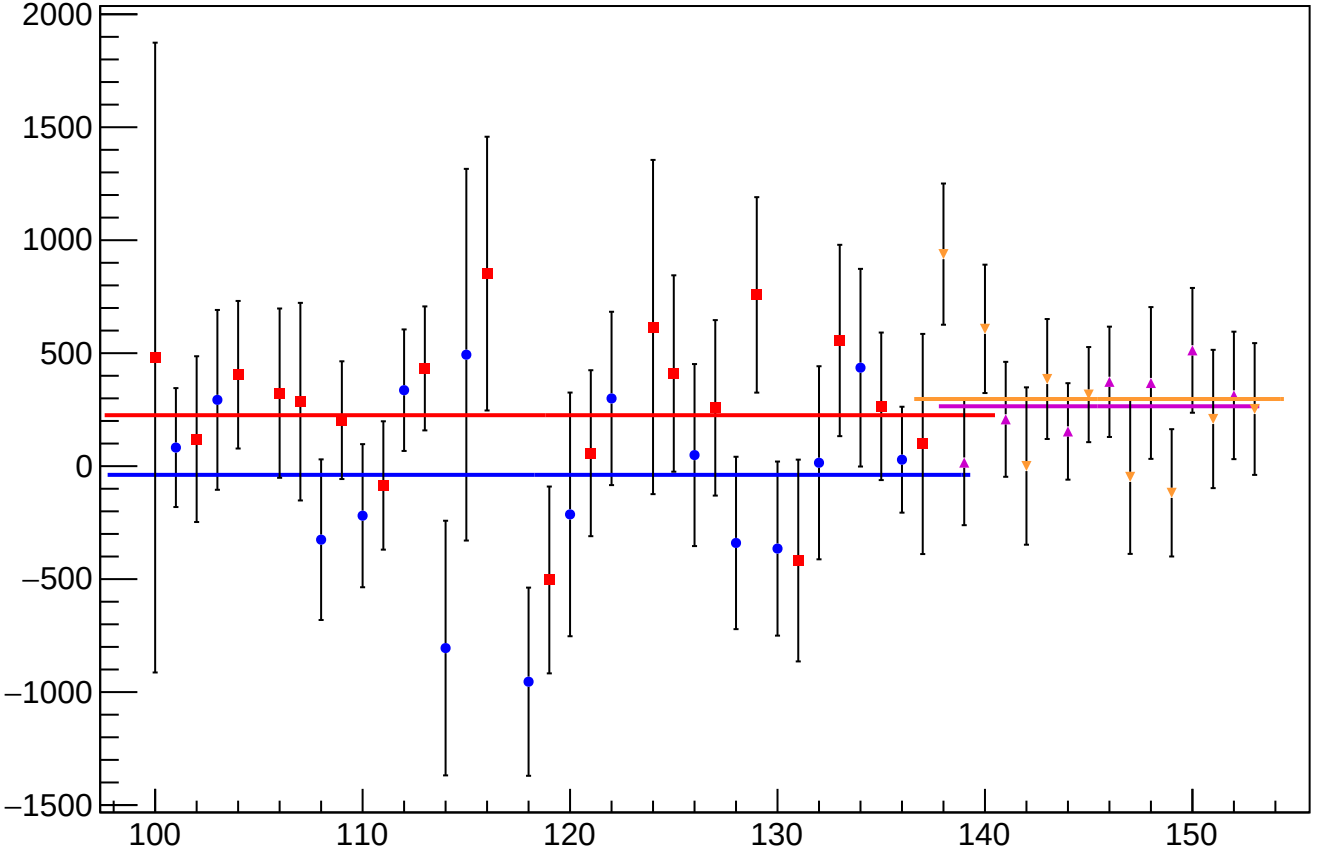
Right: 2398.691+/-0.460 χ^2/NDF: 1960216.3/34

In: 2177.141+/-0.435 χ^2/NDF:1444579.1/22

Out: 2146.353+/-0.412 χ^2/NDF:1631970.5/27

All: 2160.901+/-0.299 χ^2/NDF: 3079188.8/50

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 297.170+/-94.796 χ^2/NDF:9.6/8

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 265.013+/-99.145 χ^2/NDF:2.3/6

Left: 281.812+/-68.517 χ^2/NDF: 11.9/15

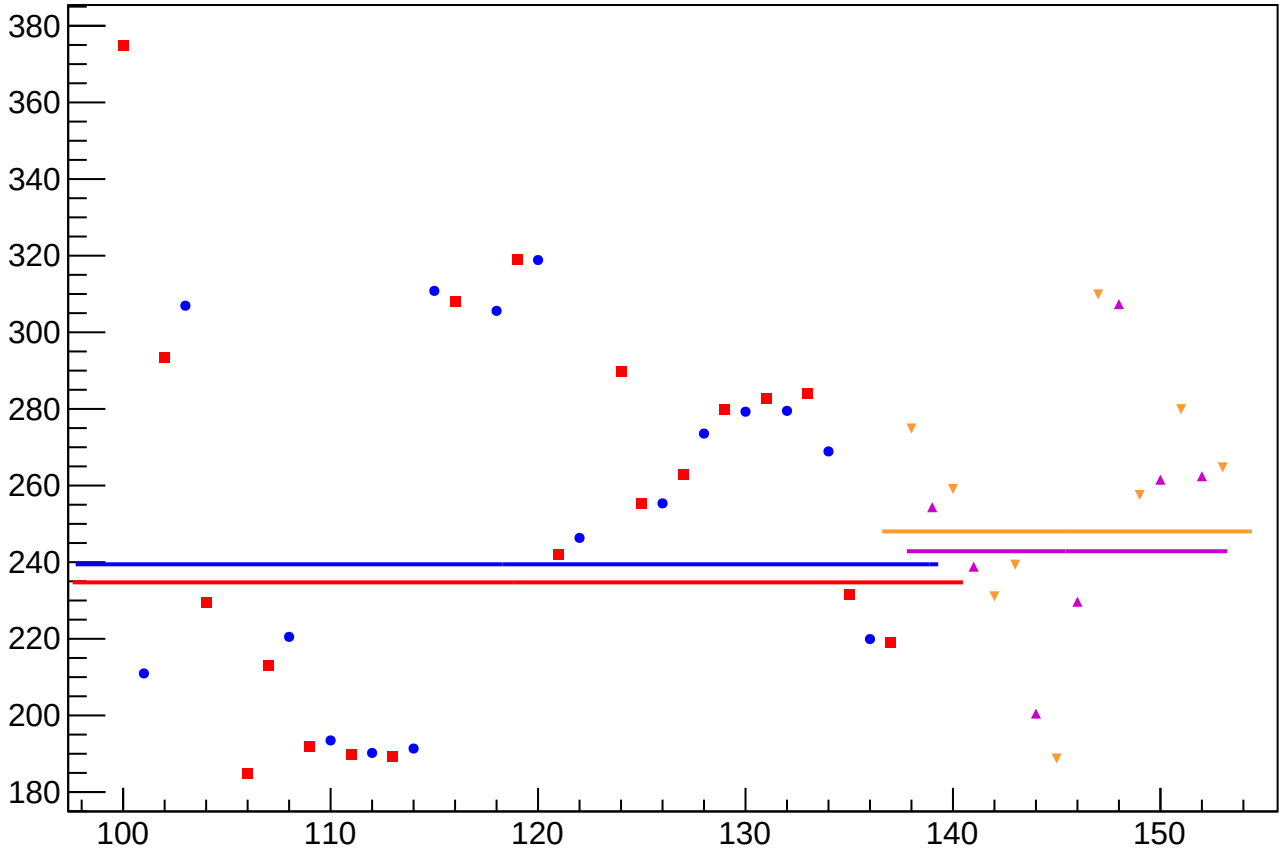
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 99.637+/-66.889 χ^2/NDF:21.8/22

Out: 258.650+/-64.463 χ^2/NDF:21.3/27

All: 182.079+/-46.416 χ^2/NDF: 46.0/50

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 248.029+/-0.067 χ^2/NDF:279734.1/8

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 242.856+/-0.070 χ^2/NDF:181035.7/6

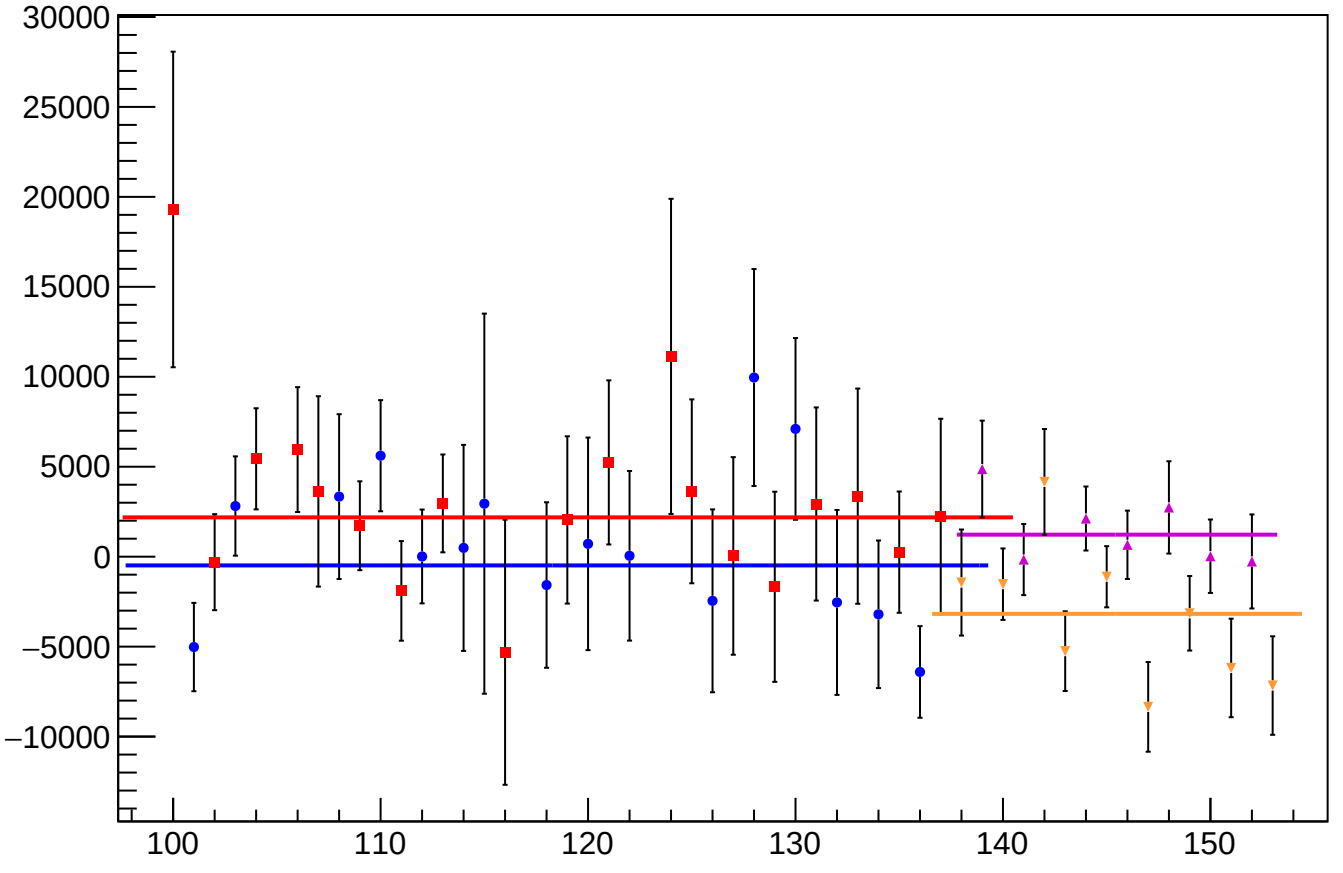
Left: 245.558+/-0.048 χ^2/NDF: 463614.1/15

Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 241.000+/-0.047 χ^2/NDF:583280.3/22

Out: 240.881+/-0.046 χ^2/NDF:786123.1/27

All: 240.938+/-0.033 χ^2/NDF: 1369406.6/50



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -3177.569+/-767.996 χ^2/NDF:17.2/8

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 1224.339+/-809.697 χ^2/NDF:3.7/6

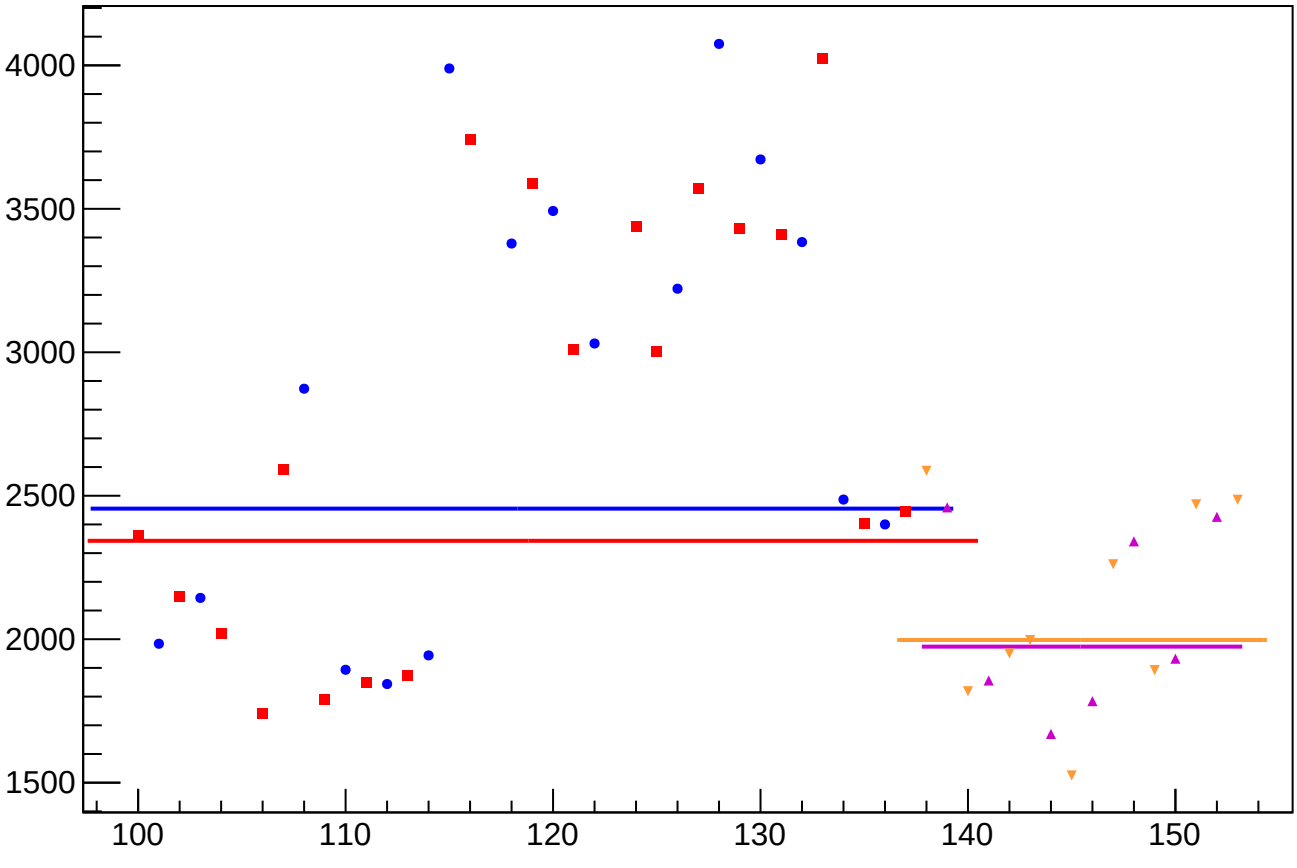
Left: -1092.883+/-557.214 χ^2/NDF: 36.5/15

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 502.405+/-615.543 χ^2/NDF:26.7/22

Out: -906.045+/-583.069 χ^2/NDF:51.1/27

All: -239.951+/-423.307 χ^2/NDF: 80.6/50



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 1997.270+/-0.543 χ^2/NDF:402024.5/8

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 1974.136+/-0.573 χ^2/NDF:252329.4/6

Left: 1986.314+/-0.394 χ^2/NDF: 655213.3/15

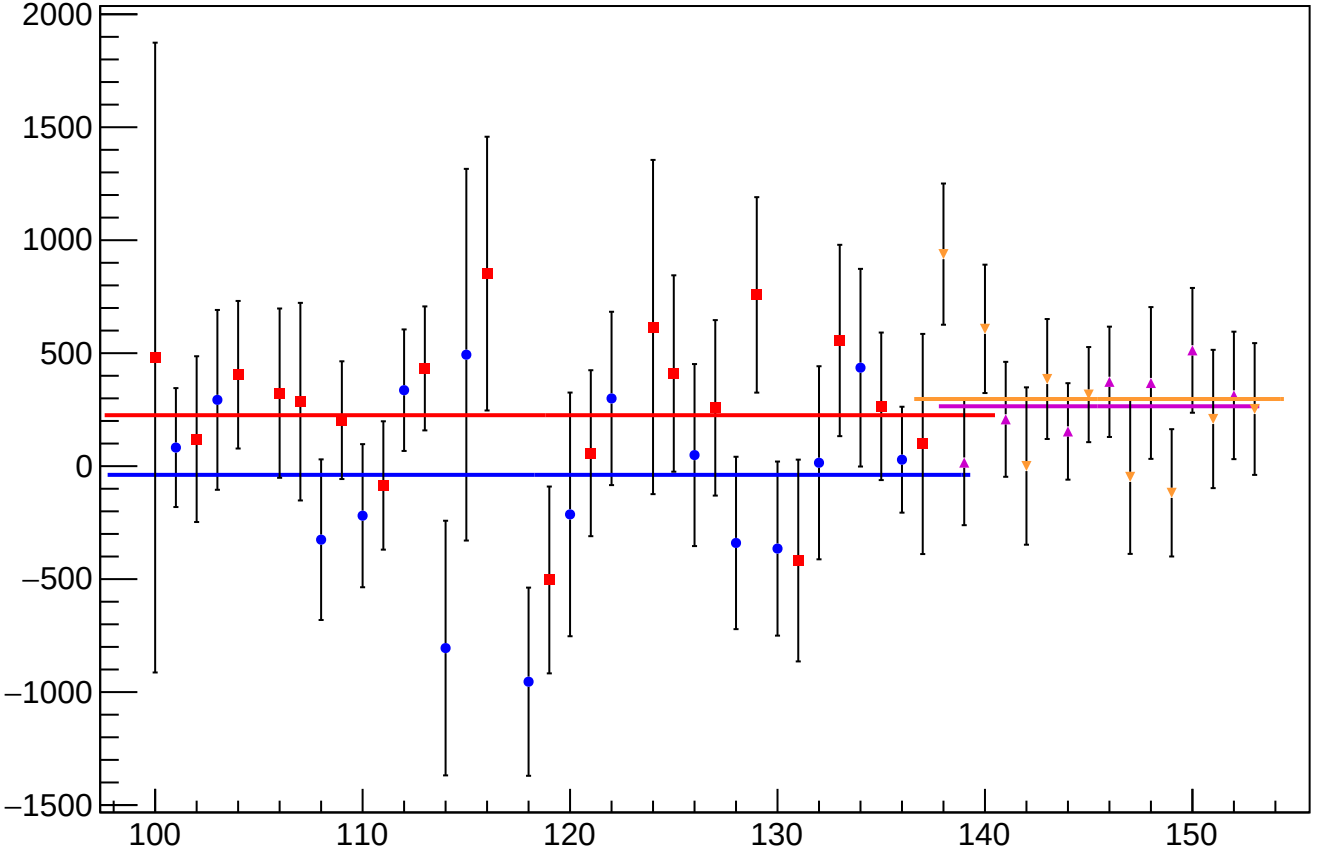
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2177.150+/-0.435 χ^2/NDF:1444572.0/22

Out: 2143.703+/-0.412 χ^2/NDF:1644057.7/27

All: 2159.521+/-0.299 χ^2/NDF: 3091742.2/50

eigen_cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 297.170+/-94.796 χ^2/NDF:9.6/8

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 265.013+/-99.145 χ^2/NDF:2.3/6

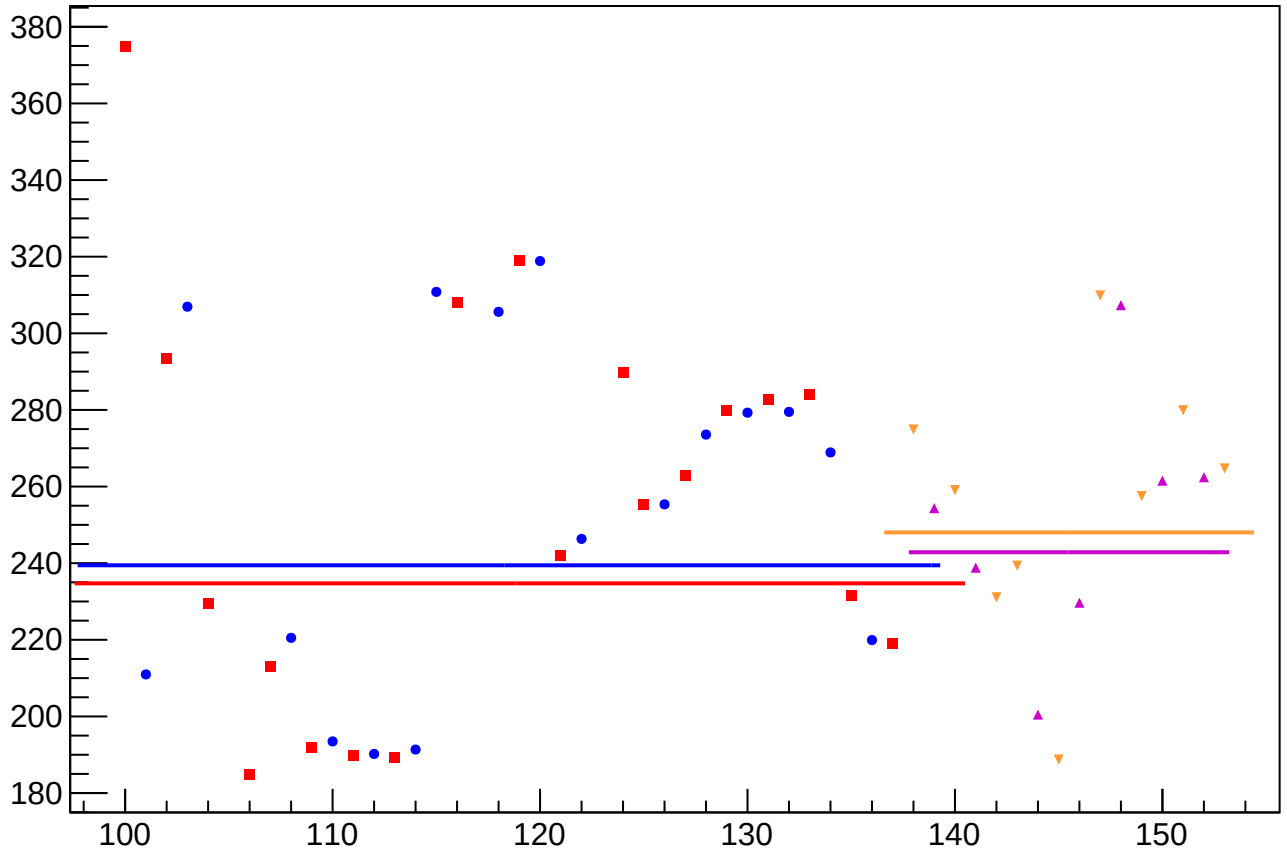
Left: 281.812+/-68.517 χ^2/NDF: 11.9/15

Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 99.637+/-66.889 χ^2/NDF:21.8/22

Out: 258.650+/-64.463 χ^2/NDF:21.3/27

All: 182.079+/-46.416 χ^2/NDF: 46.0/50



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 248.029+/-0.067 χ^2/NDF:279734.1/8

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 242.856+/-0.070 χ^2/NDF:181035.7/6

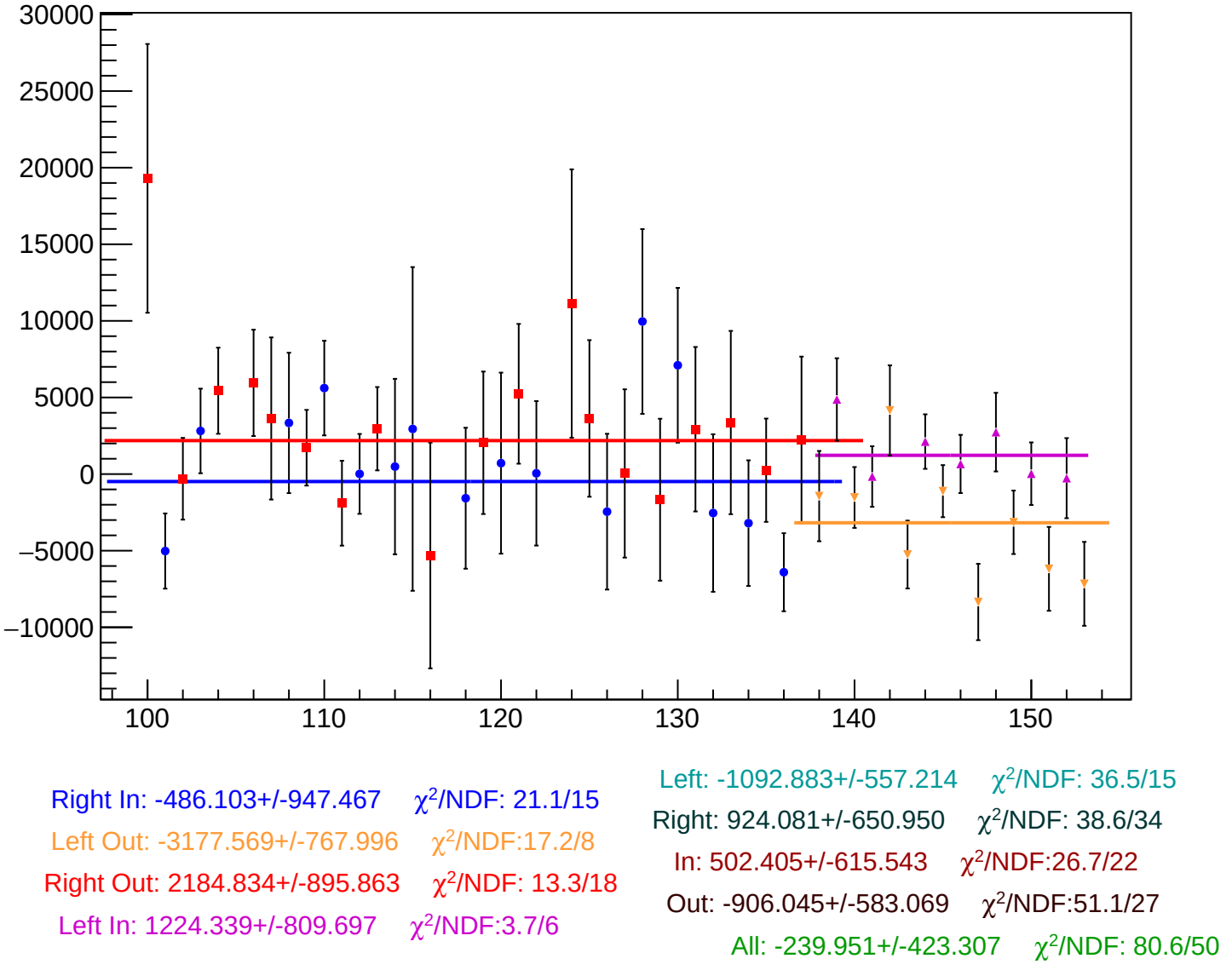
Left: 245.558+/-0.048 χ^2/NDF: 463614.1/15

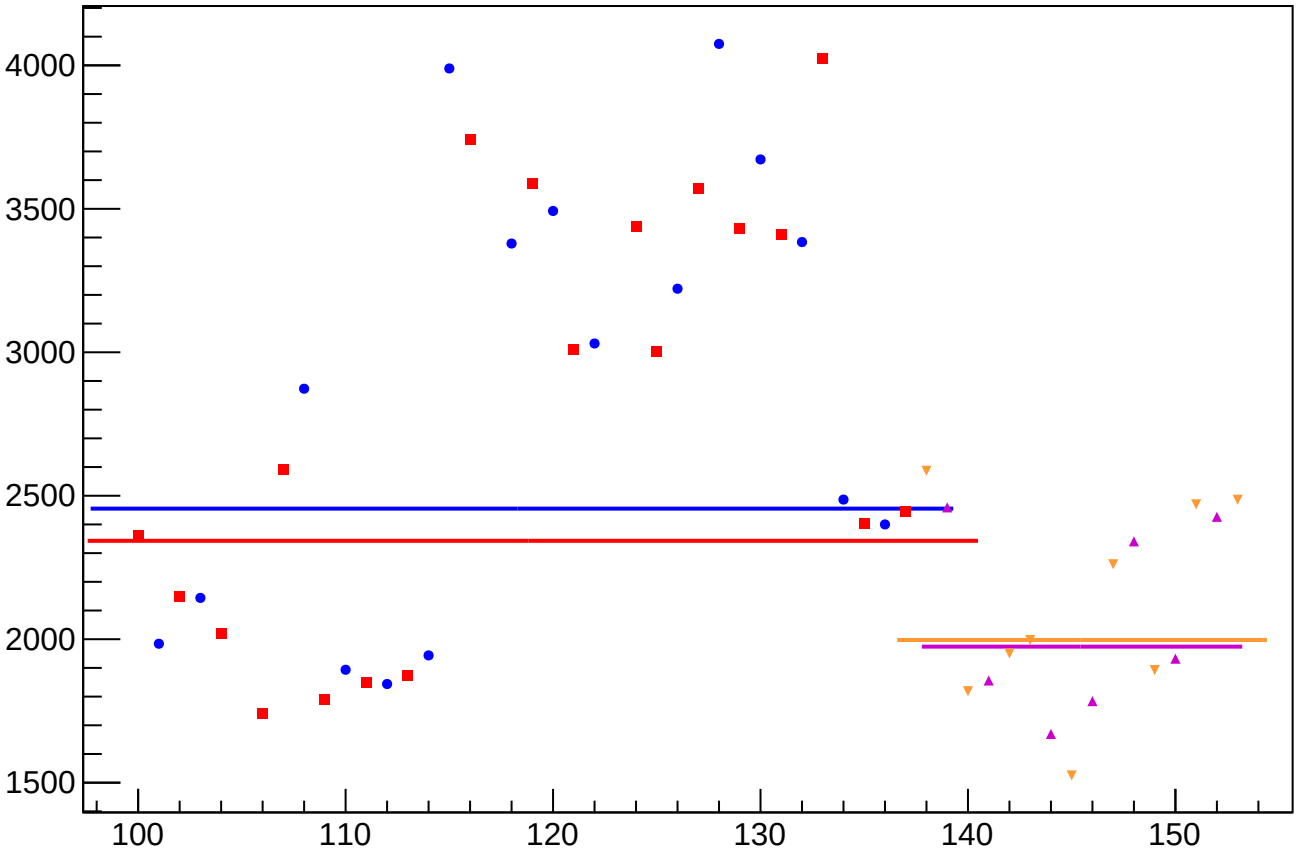
Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 241.000+/-0.047 χ^2/NDF:583280.3/22

Out: 240.881+/-0.046 χ^2/NDF:786123.1/27

All: 240.938+/-0.033 χ^2/NDF: 1369406.6/50


asym_sam4_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: -486.103+/-947.467 χ²/NDF: 21.1/15
Left Out: -3177.569+/-767.996 χ²/NDF:17.2/8
Right Out: 2184.834+/-895.863 χ²/NDF: 13.3/18
Left In: 1224.339+/-809.697 χ²/NDF:3.7/6
Left: -1092.883+/-557.214 χ²/NDF: 36.5/15
Right: 924.081+/-650.950 χ²/NDF: 38.6/34
In: 502.405+/-615.543 χ²/NDF:26.7/22
Out: -906.045+/-583.069 χ²/NDF:51.1/27
All: -239.951+/-423.307 χ²/NDF: 80.6/50



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 1997.270+/-0.543 χ^2/NDF:402024.5/8

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 1974.136+/-0.573 χ^2/NDF:252329.4/6

Left: 1986.314+/-0.394 χ^2/NDF: 655213.3/15

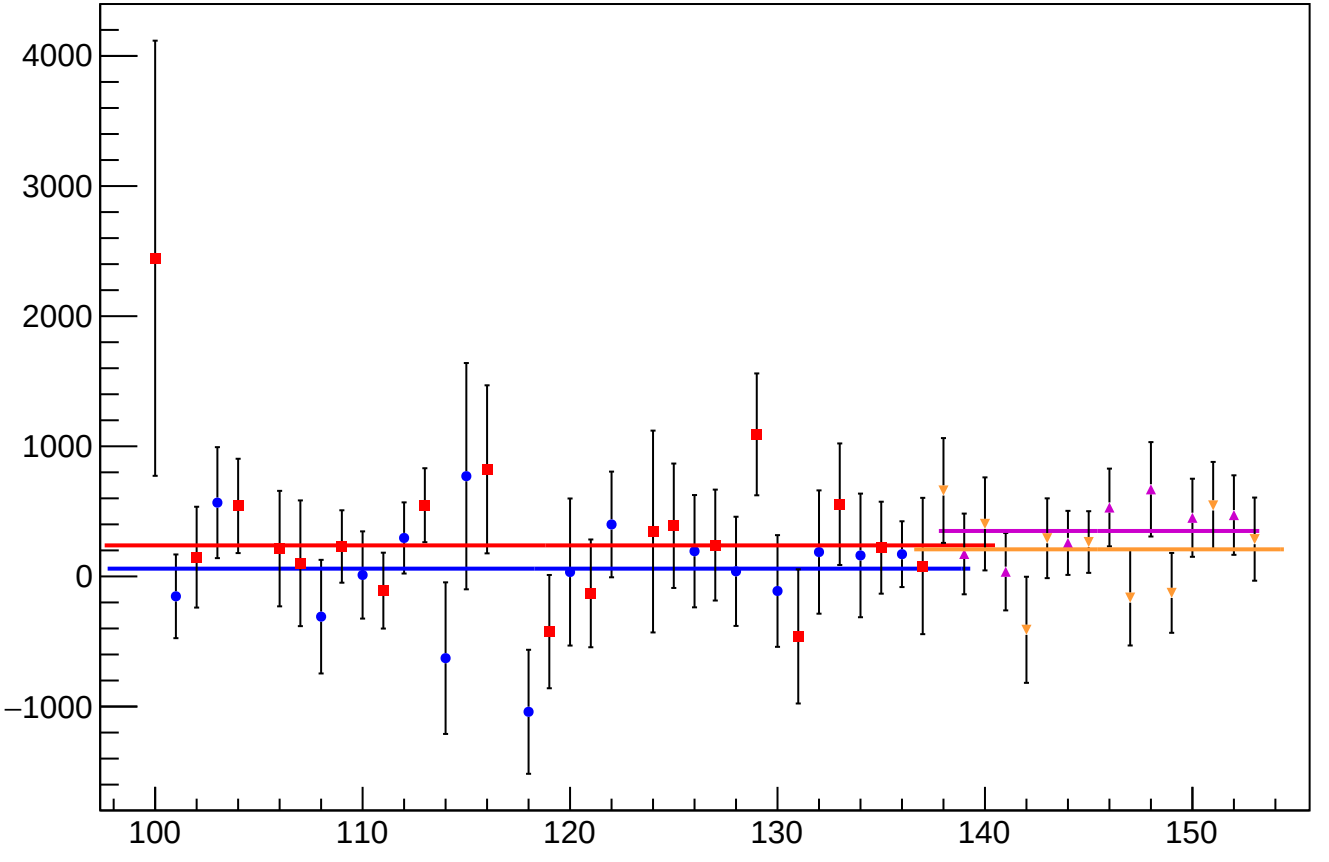
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2177.150+/-0.435 χ^2/NDF:1444572.0/22

Out: 2143.703+/-0.412 χ^2/NDF:1644057.7/27

All: 2159.521+/-0.299 χ^2/NDF: 3091742.2/50

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 208.175+/-108.345 χ^2/NDF:7.3/8

Right Out: 238.516+/-95.062 χ^2/NDF: 14.9/18

Left In: 349.298+/-112.624 χ^2/NDF:3.0/6

Left: 276.005+/-78.080 χ^2/NDF: 11.1/15

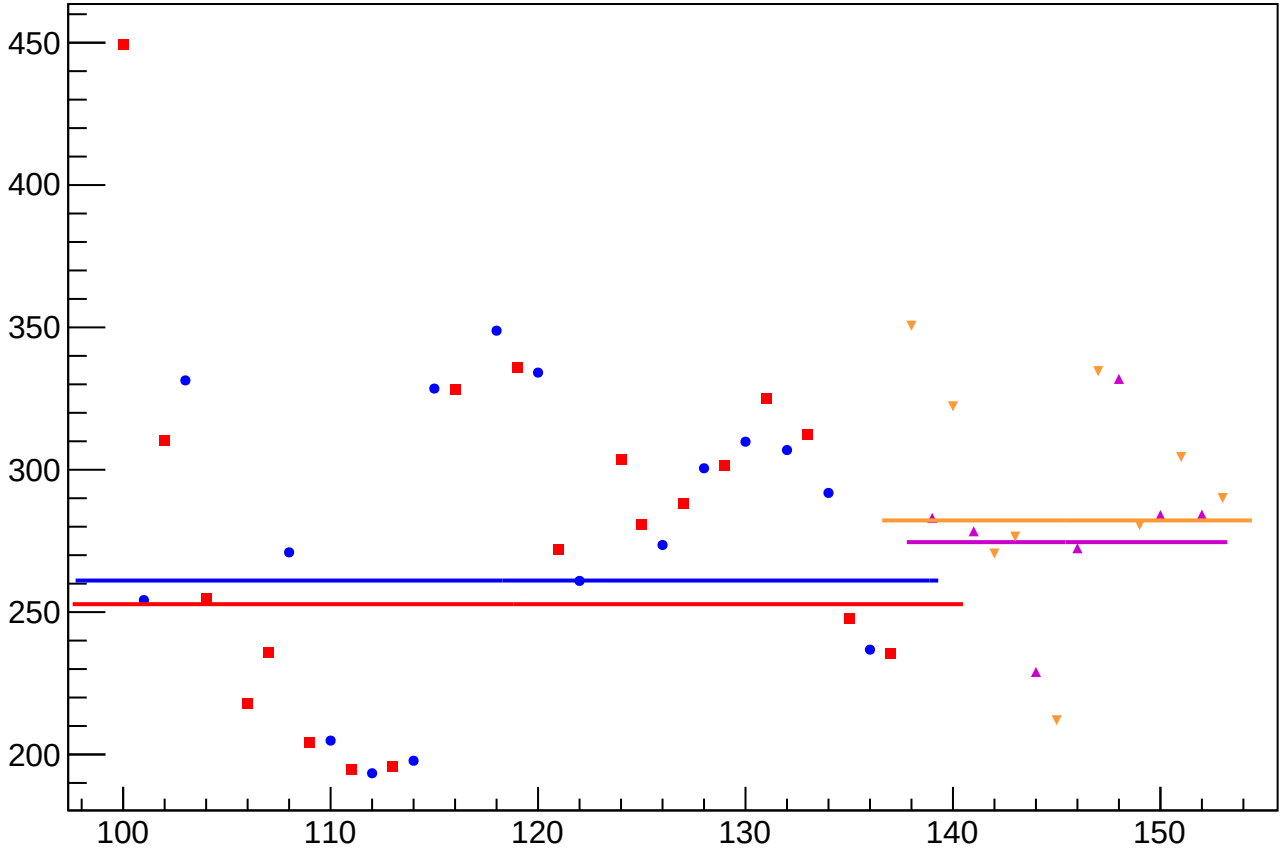
Right: 152.955+/-68.645 χ^2/NDF: 28.6/34

In: 186.278+/-74.453 χ^2/NDF:18.7/22

Out: 225.318+/-71.456 χ^2/NDF:22.3/27

All: 206.600+/-51.554 χ^2/NDF: 41.1/50

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 282.208+/-0.077 χ^2/NDF:311359.9/8

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

Left In: 274.578+/-0.080 χ^2/NDF:124527.3/6

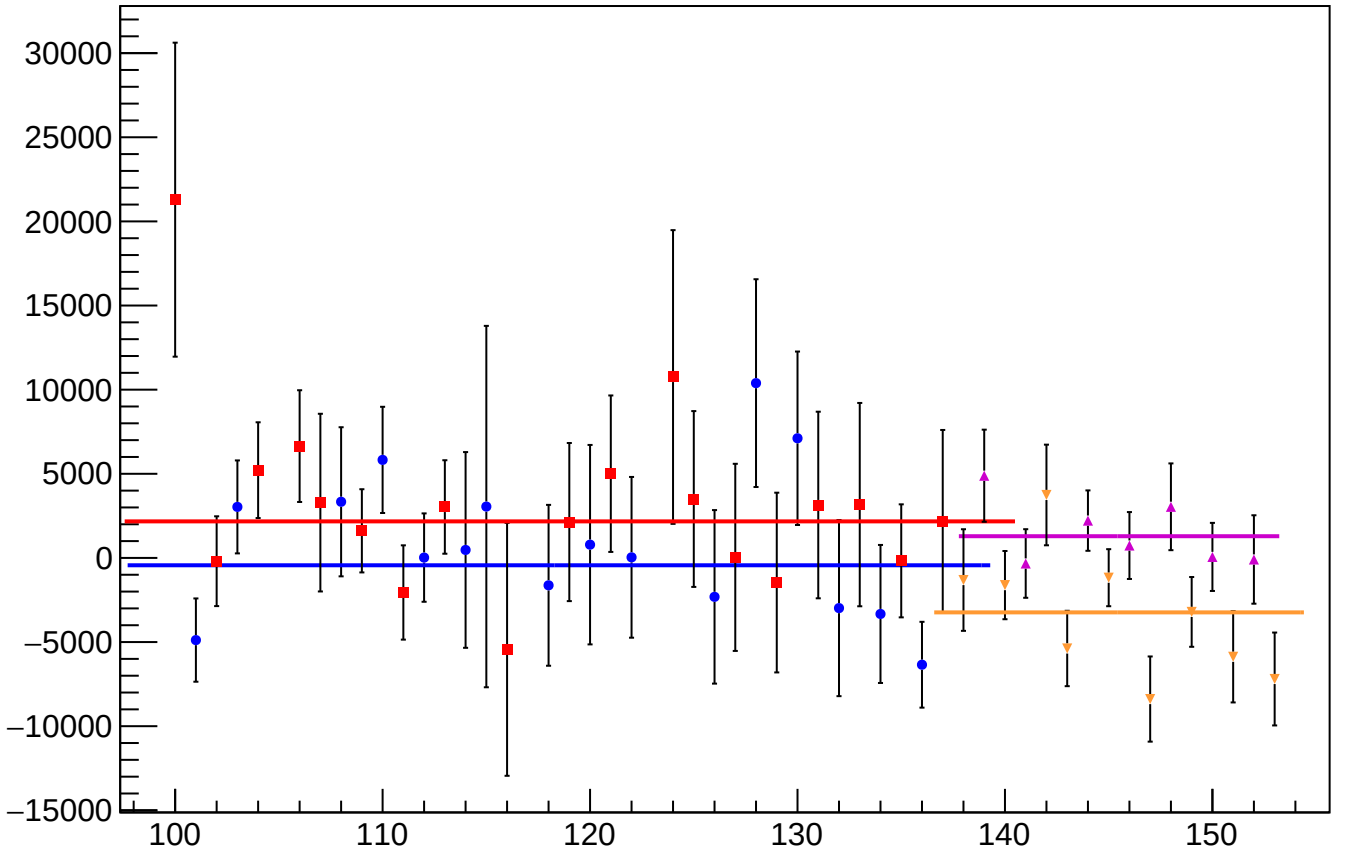
Left: 278.541+/-0.055 χ^2/NDF: 440655.2/15

Right: 256.760+/-0.049 χ^2/NDF: 1007252.4/34

In: 266.984+/-0.053 χ^2/NDF:603341.4/22

Out: 265.585+/-0.051 χ^2/NDF:931980.8/27

All: 266.256+/-0.036 χ^2/NDF: 1535690.0/50



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -3236.550+/-774.308 χ^2/NDF:16.0/8

Right Out: 2172.091+/-901.102 χ^2/NDF: 14.0/18

Left In: 1290.318+/-822.737 χ^2/NDF:3.8/6

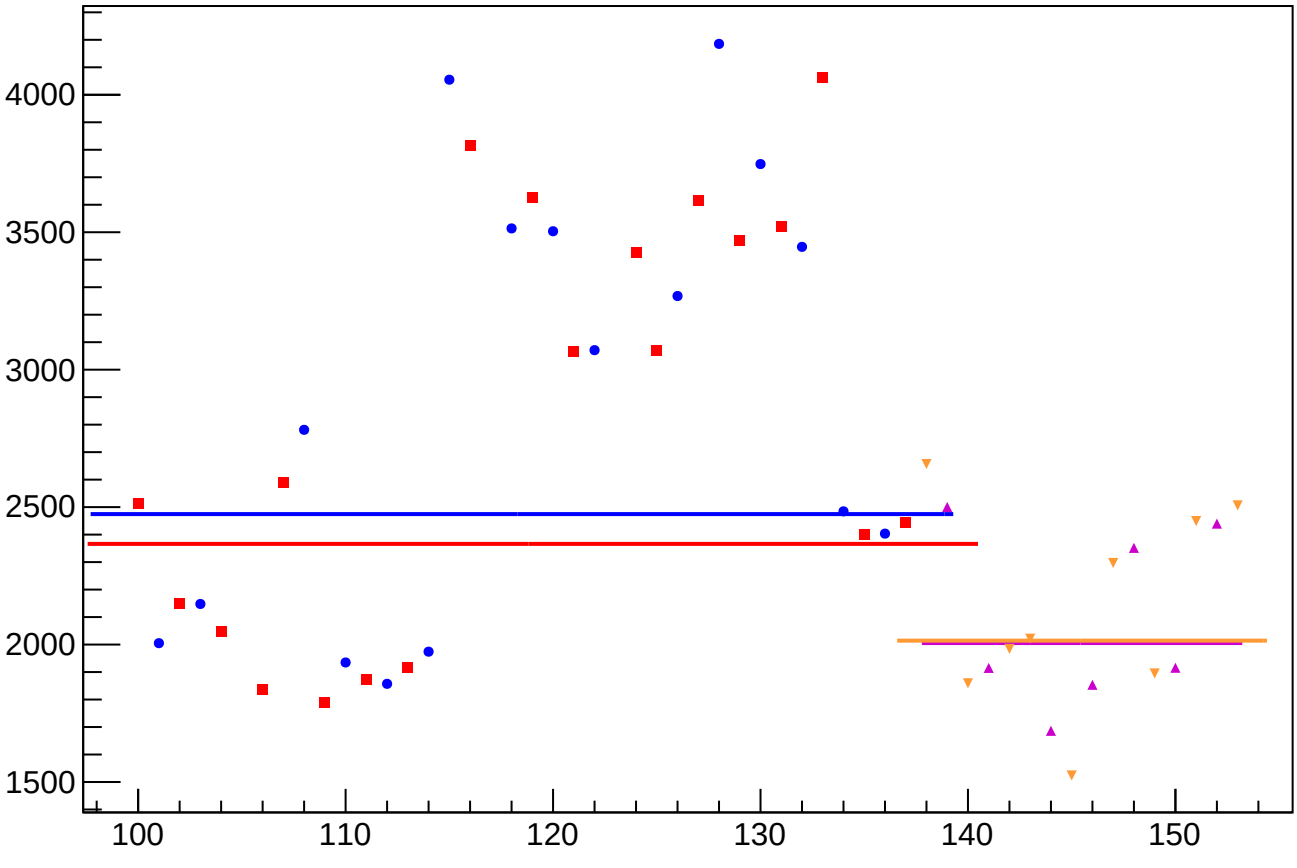
Left: -1110.266+/-563.862 χ^2/NDF: 35.9/15

Right: 943.553+/-655.445 χ^2/NDF: 39.1/34

In: 554.695+/-623.360 χ^2/NDF:26.9/22

Out: -939.223+/-587.275 χ^2/NDF:50.7/27

All: -236.754+/-427.454 χ^2/NDF: 80.7/50



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 2014.295+/-0.548 χ^2/NDF:416484.4/8

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

Left In: 2005.472+/-0.582 χ^2/NDF:239073.5/6

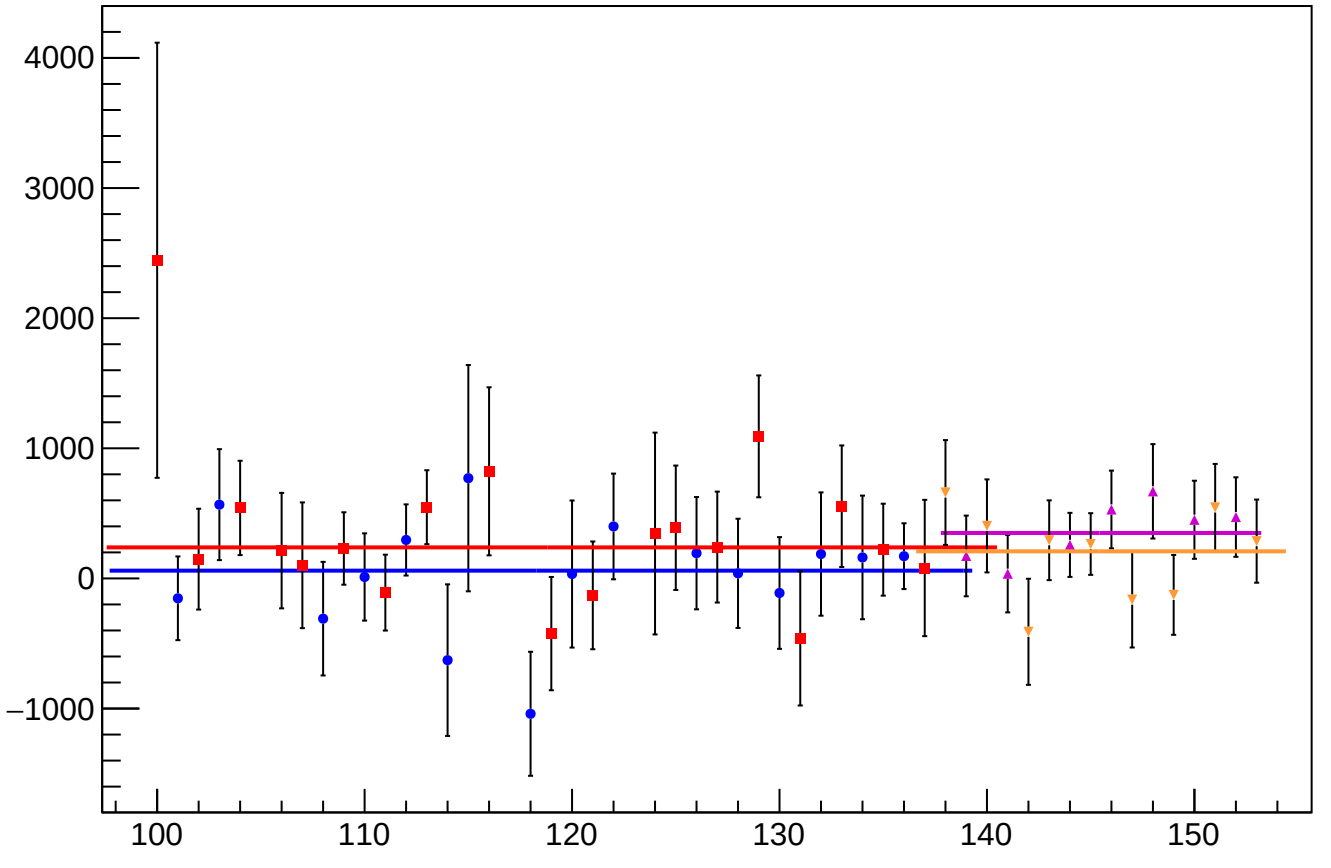
Left: 2010.151+/-0.399 χ^2/NDF: 655679.9/15

Right: 2417.269+/-0.463 χ^2/NDF: 2007056.0/34

In: 2205.302+/-0.441 χ^2/NDF:1432325.1/22

Out: 2163.776+/-0.415 χ^2/NDF:1669145.3/27

All: 2183.303+/-0.302 χ^2/NDF: 3106172.5/50



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 208.176+/-108.345 χ^2/NDF:7.3/8

Right Out: 238.515+/-95.062 χ^2/NDF: 14.9/18

Left In: 349.301+/-112.624 χ^2/NDF:3.0/6

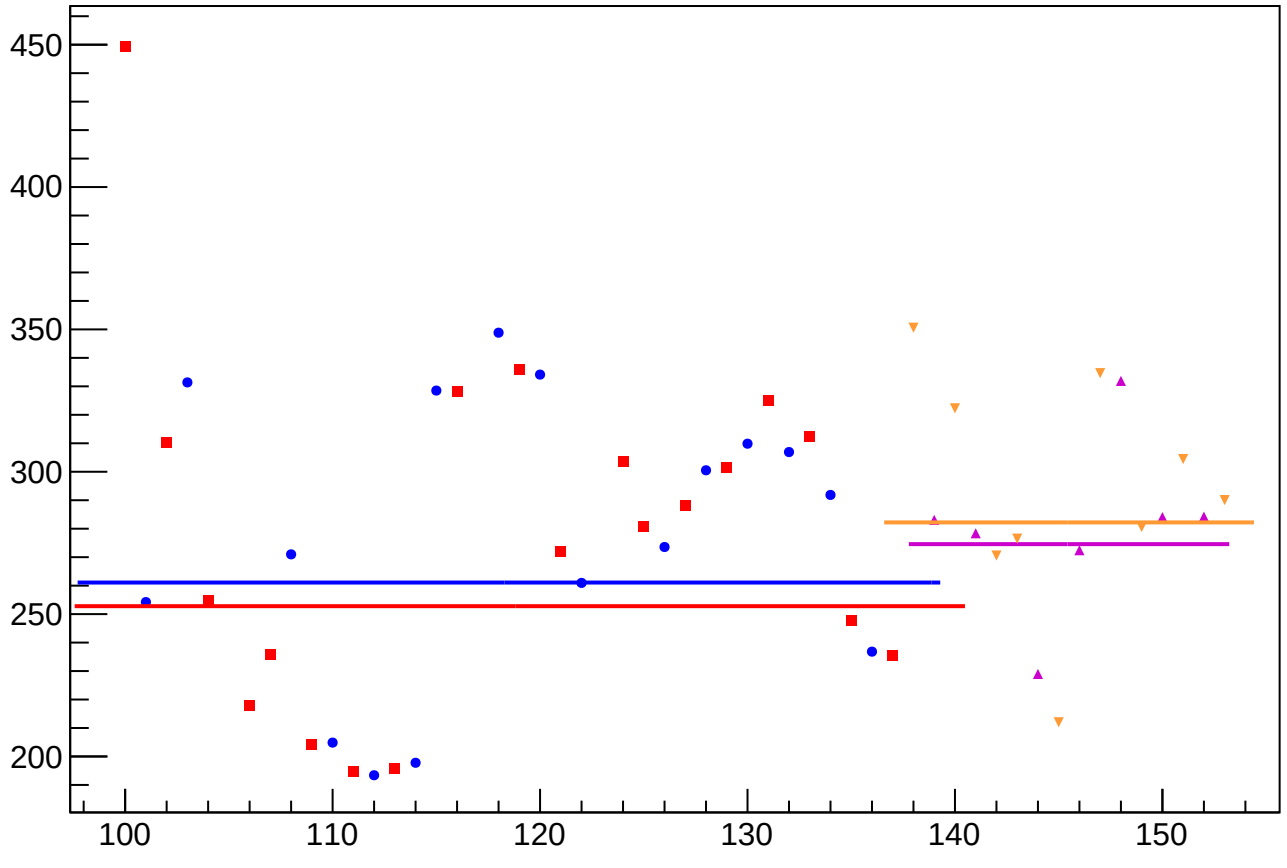
Left: 276.007+/-78.080 χ^2/NDF: 11.1/15

Right: 152.957+/-68.645 χ^2/NDF: 28.6/34

In: 186.283+/-74.453 χ^2/NDF:18.7/22

Out: 225.318+/-71.456 χ^2/NDF:22.3/27

All: 206.602+/-51.554 χ^2/NDF: 41.1/50



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 282.209+/-0.077 χ^2/NDF:311355.0/8

Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 274.578+/-0.080 χ^2/NDF:124525.3/6

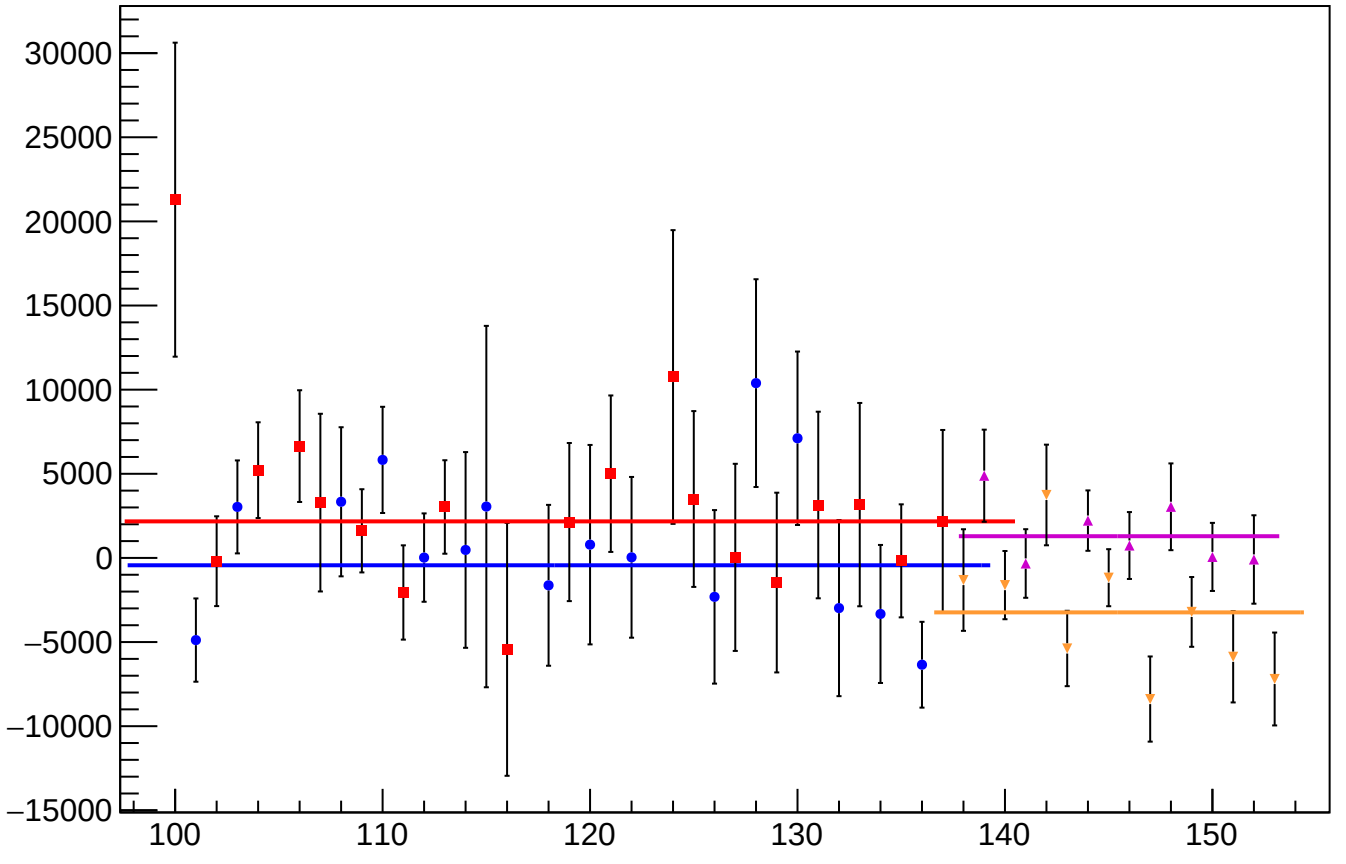
Left: 278.541+/-0.055 χ^2/NDF: 440648.2/15

Right: 256.760+/-0.049 χ^2/NDF: 1007258.7/34

In: 266.984+/-0.053 χ^2/NDF:603343.4/22

Out: 265.585+/-0.051 χ^2/NDF:931981.7/27

All: 266.256+/-0.036 χ^2/NDF: 1535692.9/50



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -3236.546+/-774.307 χ^2/NDF:16.0/8

Right Out: 2172.089+/-901.101 χ^2/NDF: 14.0/18

Left In: 1290.318+/-822.737 χ^2/NDF:3.8/6

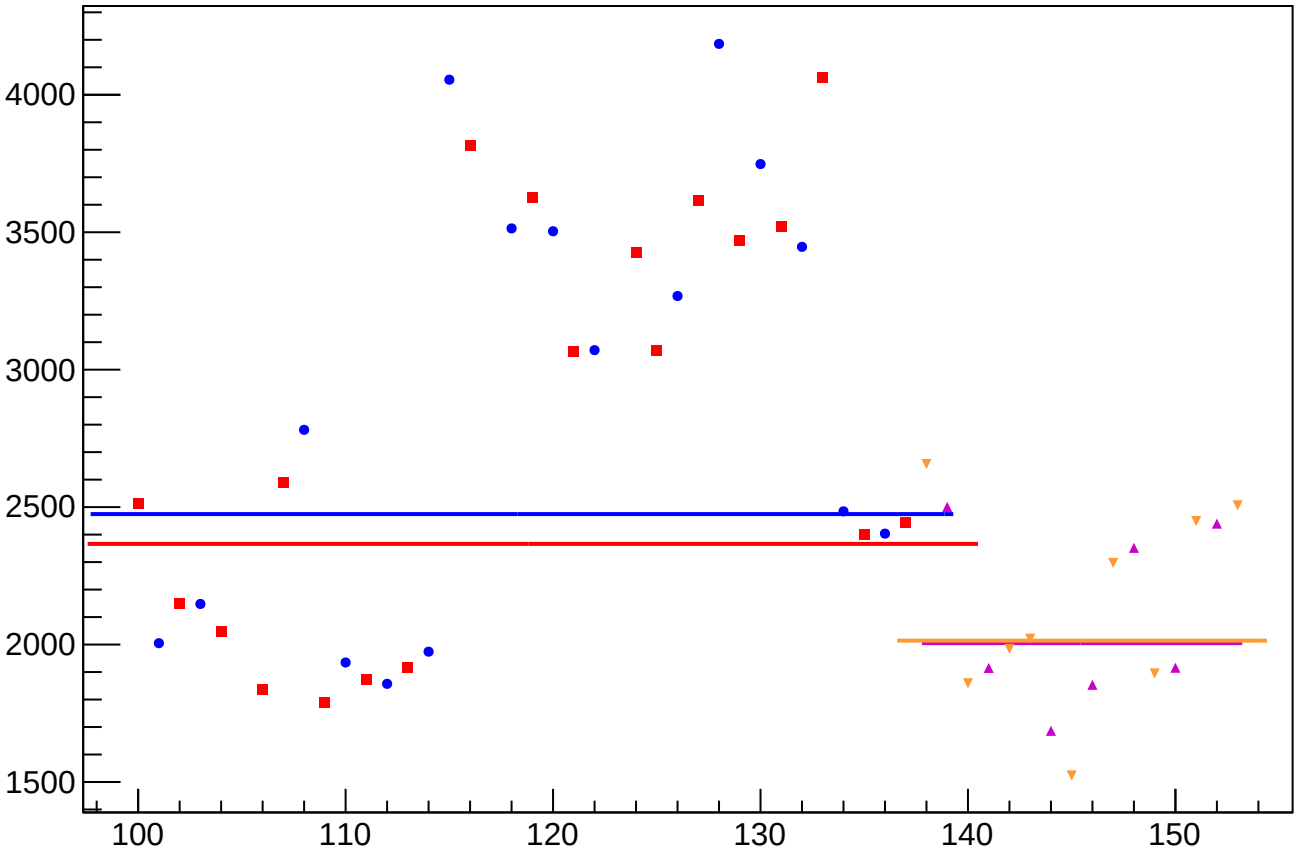
Left: -1110.265+/-563.862 χ^2/NDF: 35.9/15

Right: 943.553+/-655.444 χ^2/NDF: 39.1/34

In: 554.696+/-623.360 χ^2/NDF:26.9/22

Out: -939.222+/-587.274 χ^2/NDF:50.7/27

All: -236.753+/-427.454 χ^2/NDF: 80.7/50



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 2014.293+/-0.548 χ^2/NDF:416487.5/8

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

Left In: 2005.471+/-0.582 χ^2/NDF:239072.6/6

Left: 2010.149+/-0.399 χ^2/NDF: 655682.0/15

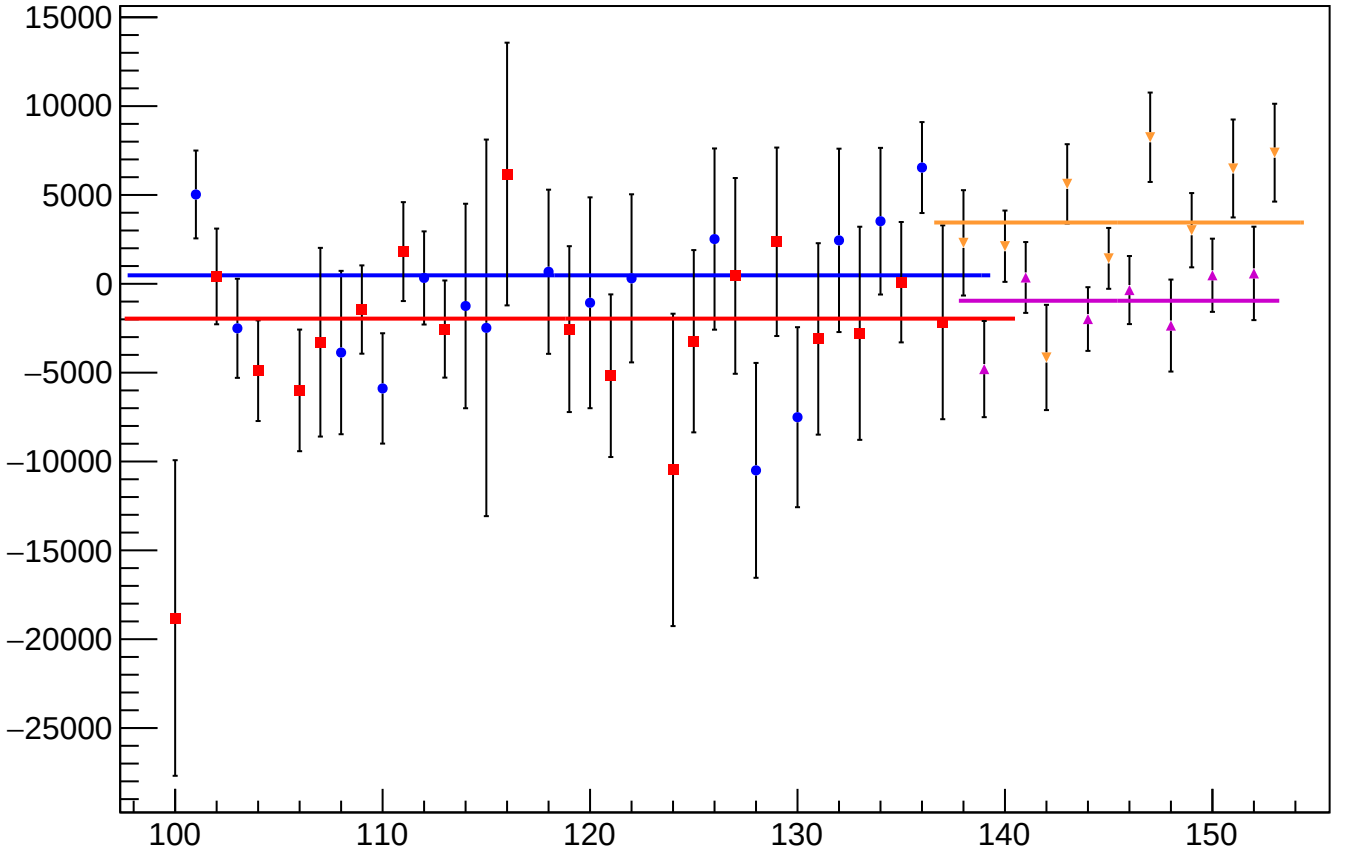
Right: 2417.267+/-0.463 χ^2/NDF: 2007061.7/34

In: 2205.301+/-0.441 χ^2/NDF:1432326.6/22

Out: 2163.774+/-0.415 χ^2/NDF:1669151.5/27

All: 2183.301+/-0.302 χ^2/NDF: 3106180.5/50

asym_sam4_mean vs Slug, Sign Corrected



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 3449.406+/-774.168 χ^2/NDF:16.4/8

Right Out: -1959.491+/-899.702 χ^2/NDF: 12.8/18

Left In: -953.201+/-816.056 χ^2/NDF:4.0/6

Left: 1363.993+/-561.644 χ^2/NDF: 35.8/15

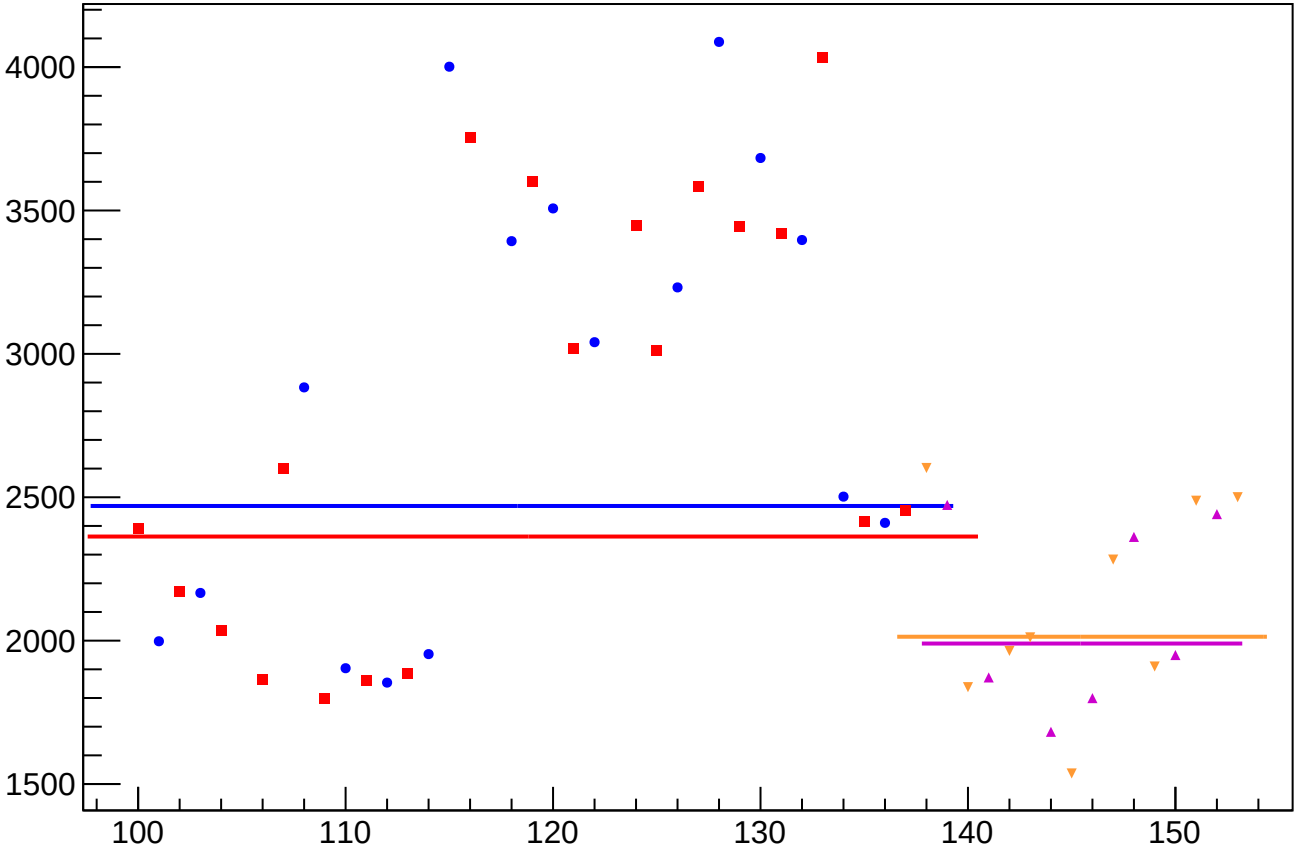
Right: -810.830+/-654.136 χ^2/NDF: 38.4/34

In: -347.852+/-619.785 χ^2/NDF:27.4/22

Out: 1148.337+/-586.826 χ^2/NDF:50.0/27

All: 441.082+/-426.124 χ^2/NDF: 80.5/50

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 2013.660+/-0.547 χ^2/NDF:399145.8/8

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

Left In: 1989.913+/-0.577 χ^2/NDF:250548.9/6

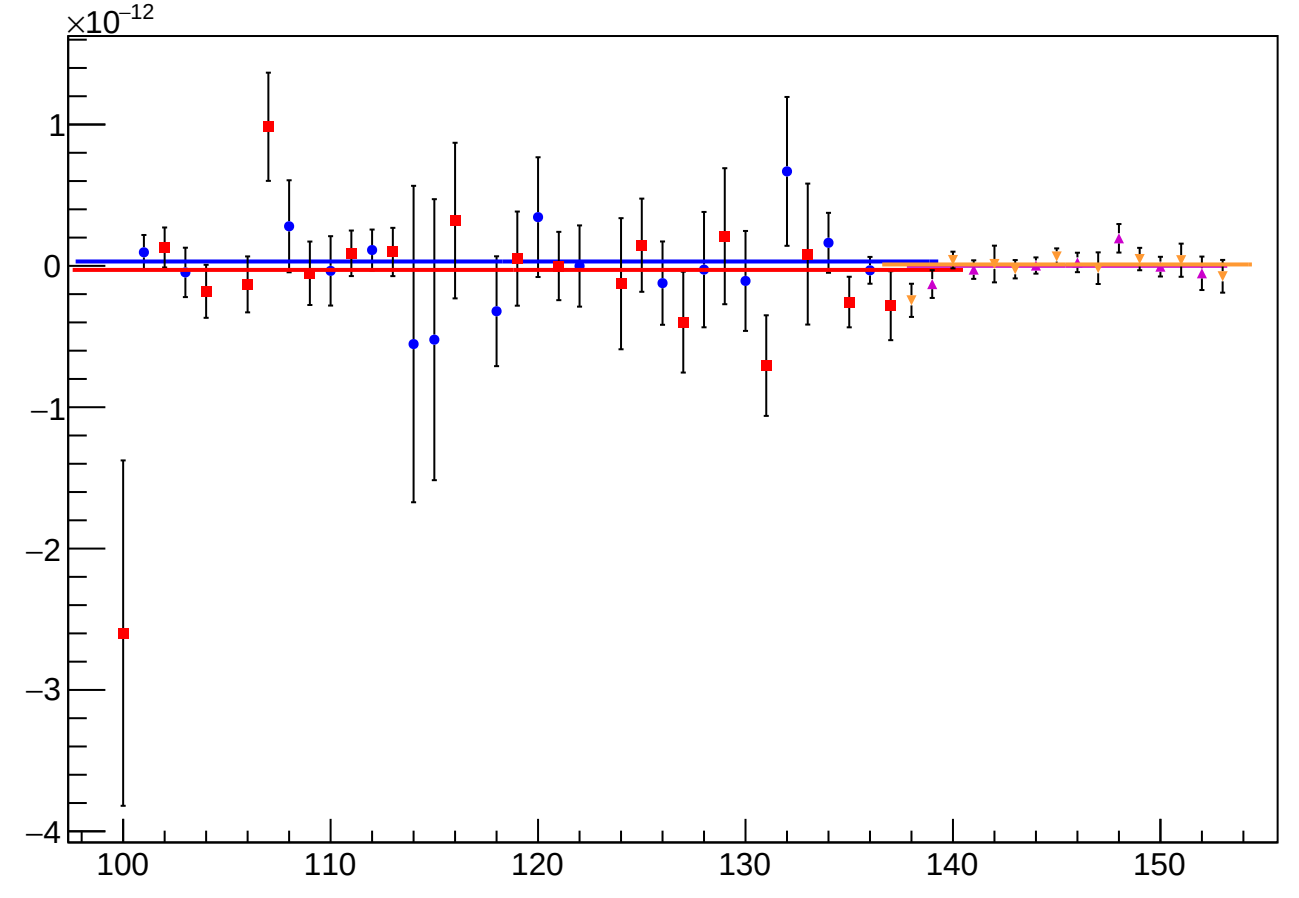
Left: 2002.411+/-0.397 χ^2/NDF: 650586.1/15

Right: 2413.296+/-0.463 χ^2/NDF: 1942755.0/34

In: 2192.922+/-0.438 χ^2/NDF:1429209.7/22

Out: 2162.299+/-0.415 χ^2/NDF:1615794.1/27

All: 2176.775+/-0.301 χ^2/NDF: 3047578.3/50



Right In: 0.000+/-0.000 χ^2/NDF: 6.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.1/8

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:6.0/6

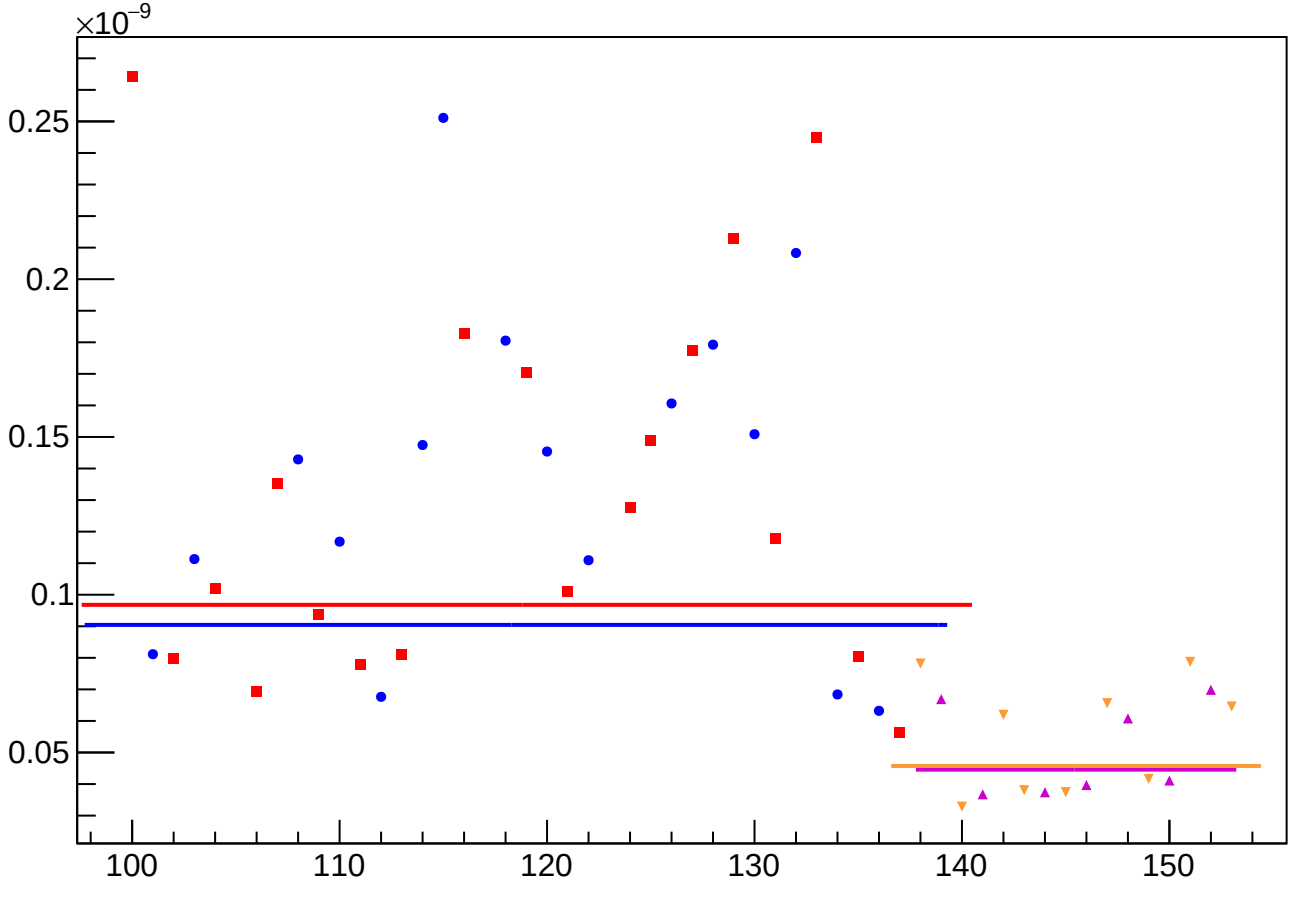
Left: 0.000+/-0.000 χ^2/NDF: 13.1/15

Right: 0.000+/-0.000 χ^2/NDF: 29.9/34

In: 0.000+/-0.000 χ^2/NDF:12.4/22

Out: 0.000+/-0.000 χ^2/NDF:30.6/27

All: 0.000+/-0.000 χ^2/NDF: 43.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:630113.0/8

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

Left In: 0.000+/-0.000 χ^2/NDF:321455.2/6

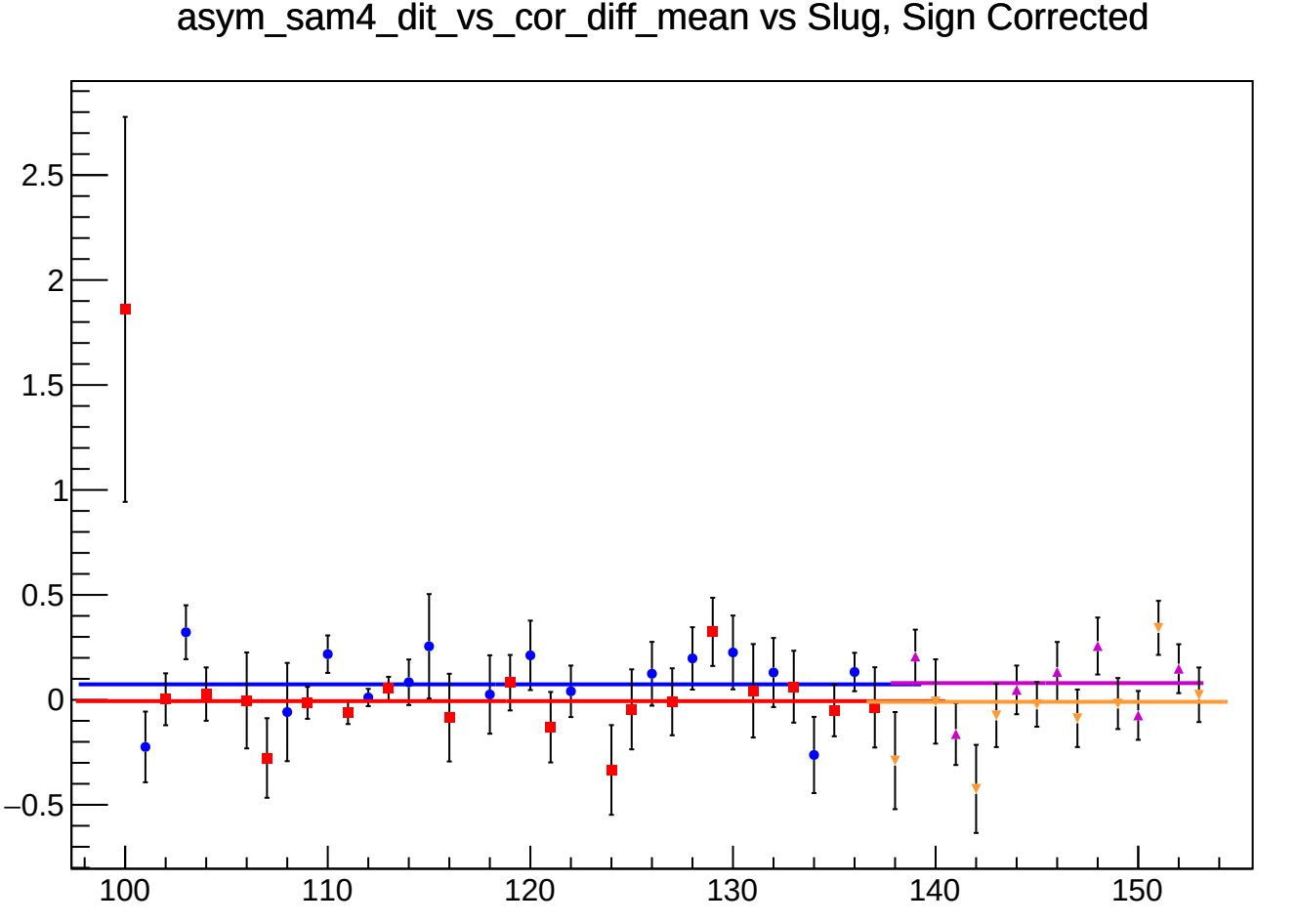
Left: 0.000+/-0.000 χ^2/NDF: 953268.2/15

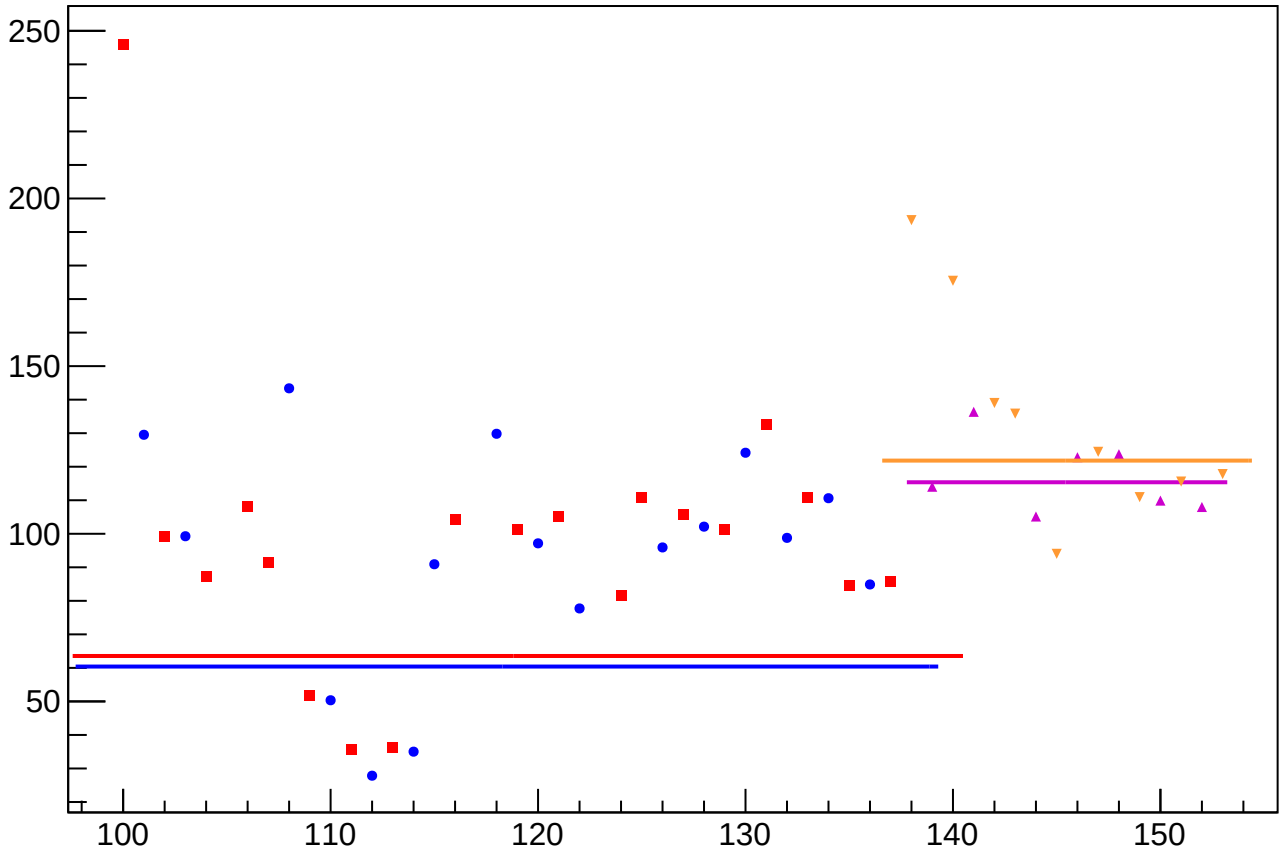
Right: 0.000+/-0.000 χ^2/NDF: 1791911.9/34

In: 0.000+/-0.000 χ^2/NDF:2424026.7/22

Out: 0.000+/-0.000 χ^2/NDF:2829683.7/27

All: 0.000+/-0.000 χ^2/NDF: 5254080.9/50


asym_sam4_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2.5
2
1.5
1
0.5
0
−0.5
100
110
120
130
140
150
Right In: 0.074+/-0.027 χ²/NDF: 19.0/15
Left Out: -0.009+/-0.048 χ²/NDF:13.5/8
Right Out: -0.006+/-0.027 χ²/NDF: 16.4/18
Left In: 0.080+/-0.048 χ²/NDF:7.7/6
Left: 0.035+/-0.034 χ²/NDF: 22.9/15
Right: 0.034+/-0.019 χ²/NDF: 39.8/34
In: 0.075+/-0.024 χ²/NDF:26.7/22
Out: -0.007+/-0.023 χ²/NDF:29.9/27
All: 0.034+/-0.017 χ²/NDF: 62.7/50



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 121.826+/-0.034 χ^2/NDF:525984.6/8

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 115.366+/-0.034 χ^2/NDF:81873.4/6

Left: 118.621+/-0.024 χ^2/NDF: 626036.1/15

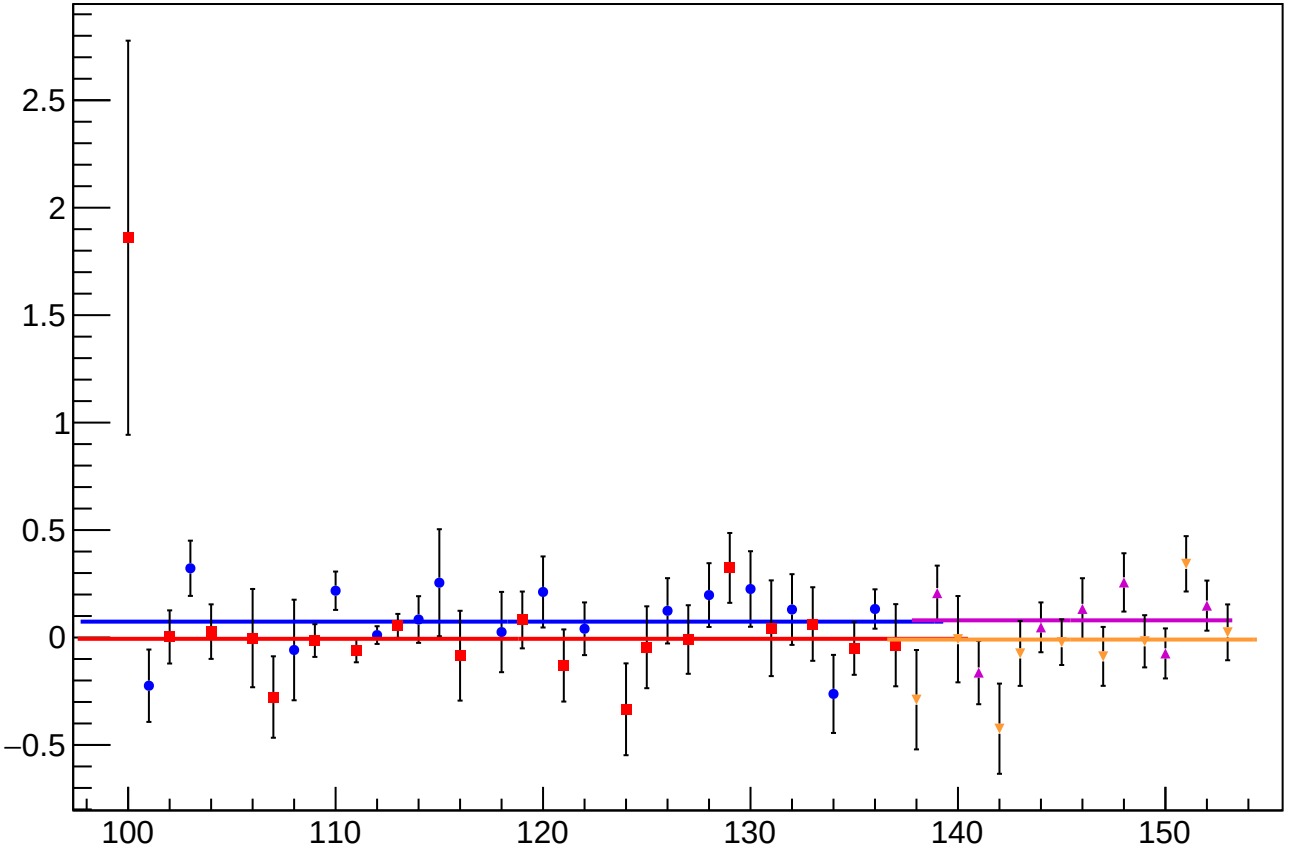
Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 73.581+/-0.017 χ^2/NDF:5605726.9/22

Out: 77.548+/-0.017 χ^2/NDF:5446262.5/27

All: 75.578+/-0.012 χ^2/NDF: 11080557.1/50

asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.009+/-0.048 χ^2/NDF:13.5/8

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.080+/-0.048 χ^2/NDF:7.7/6

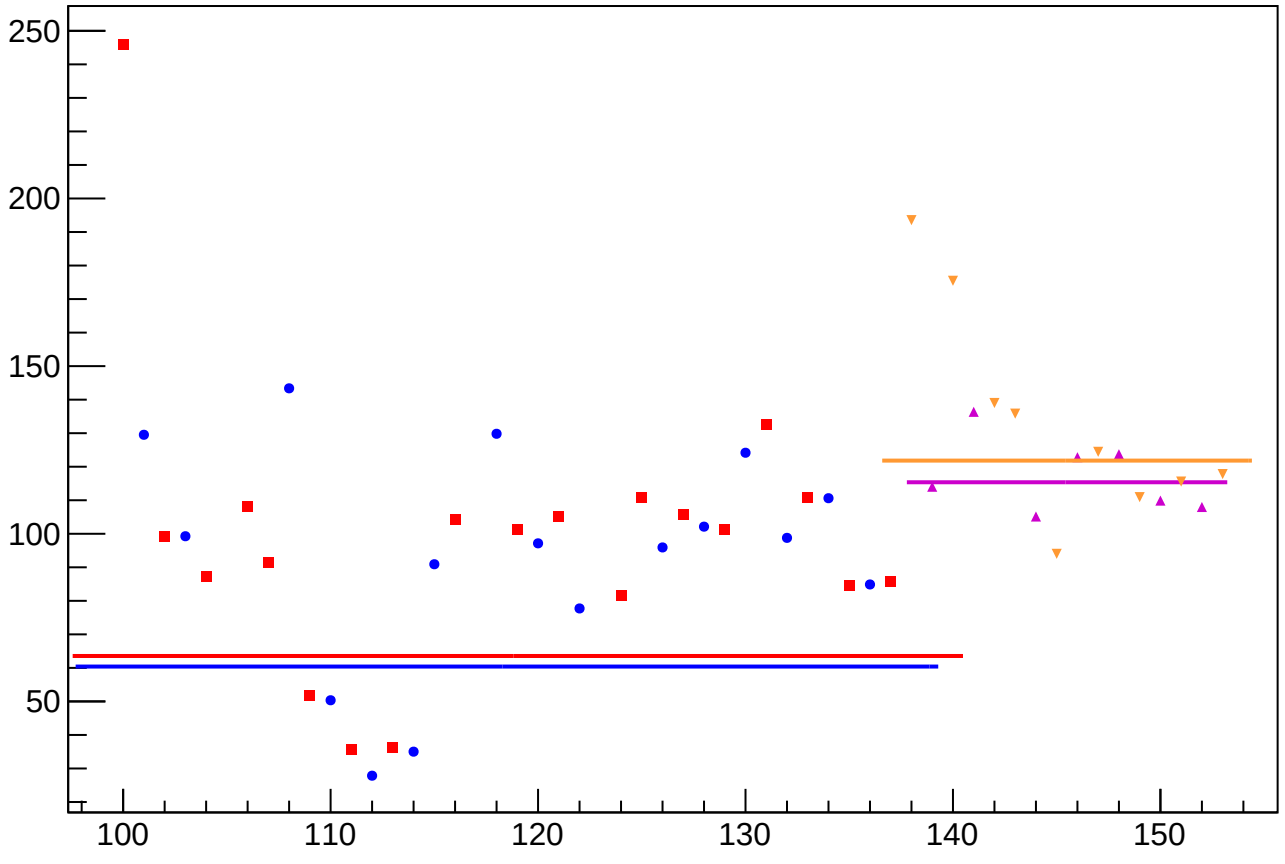
Left: 0.035+/-0.034 χ^2/NDF: 22.9/15

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.075+/-0.024 χ^2/NDF:26.7/22

Out: -0.007+/-0.023 χ^2/NDF:29.9/27

All: 0.034+/-0.017 χ^2/NDF: 62.7/50



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 121.826+/-0.034 χ^2/NDF:525984.6/8

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 115.366+/-0.034 χ^2/NDF:81873.4/6

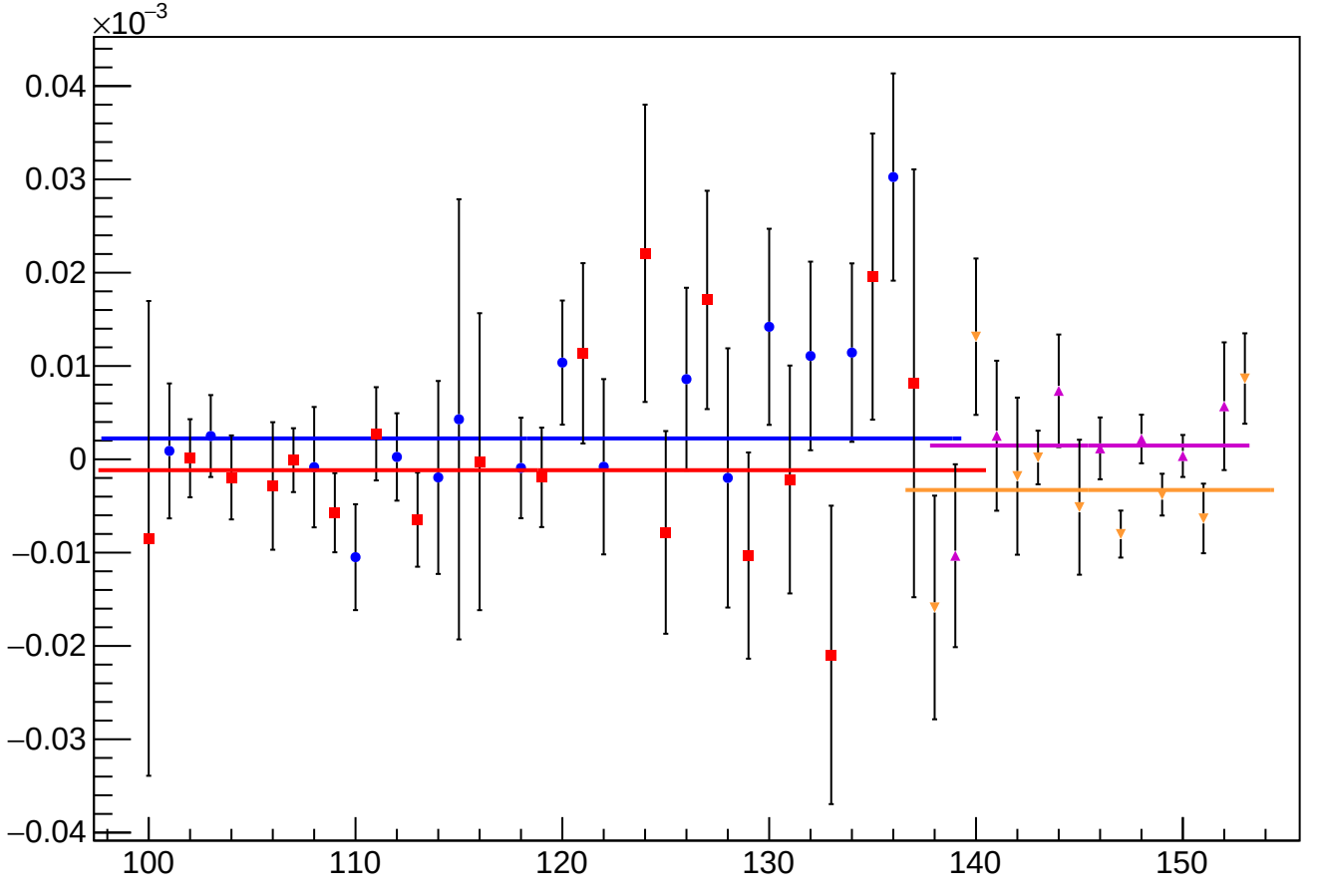
Left: 118.621+/-0.024 χ^2/NDF: 626036.1/15

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 73.581+/-0.017 χ^2/NDF:5605726.9/22

Out: 77.548+/-0.017 χ^2/NDF:5446262.5/27

All: 75.578+/-0.012 χ^2/NDF: 11080557.1/50



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

Left Out: -0.000+/-0.000 χ^2/NDF:16.8/8

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:3.1/6

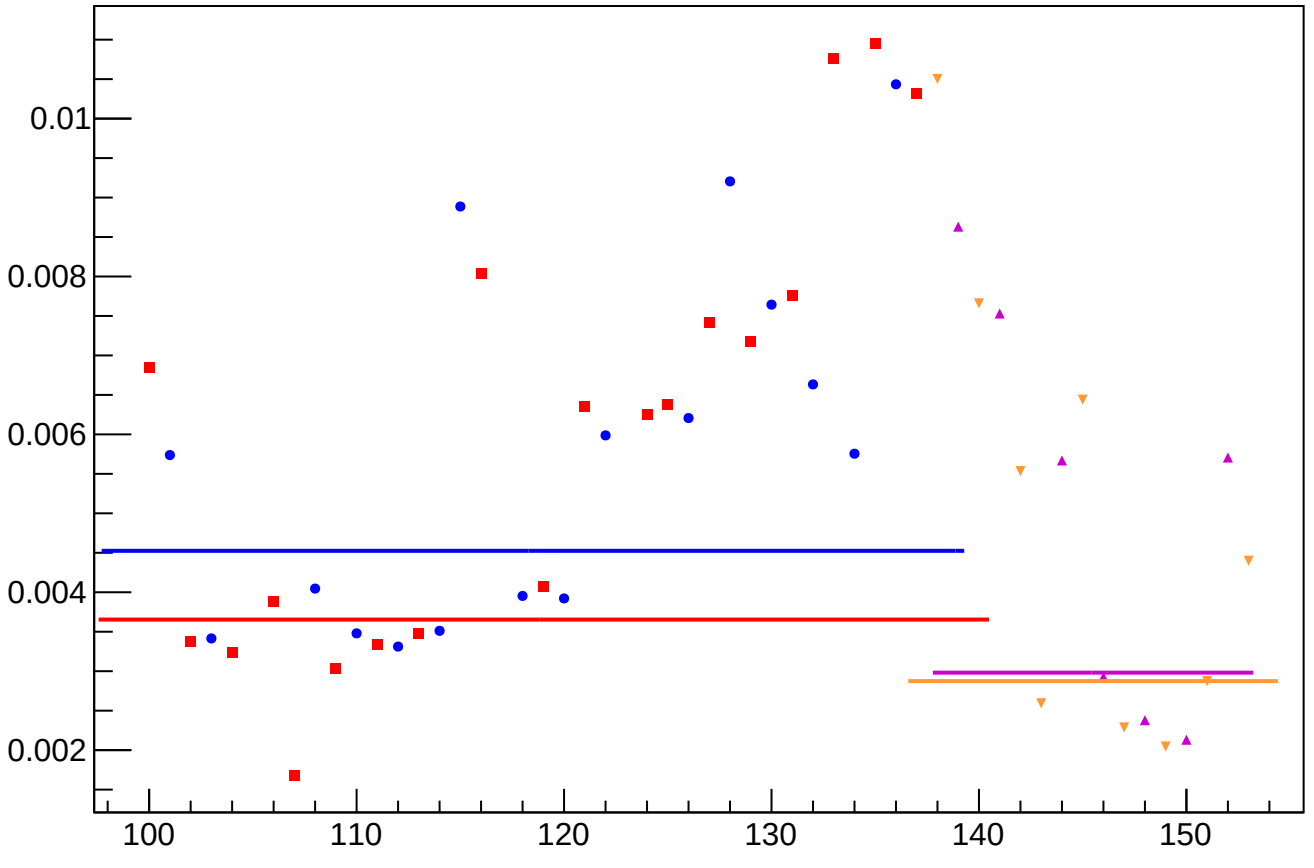
Left: -0.000+/-0.000 χ^2/NDF: 26.4/15

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:20.7/22

Out: -0.000+/-0.000 χ^2/NDF:32.1/27

All: -0.000+/-0.000 χ^2/NDF: 61.0/50



Right In: 0.005+/-0.000 χ^2/NDF: 1721333.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:2748107.7/8

Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.003+/-0.000 χ^2/NDF:2412427.0/6

Left: 0.003+/-0.000 χ^2/NDF: 5167103.7/15

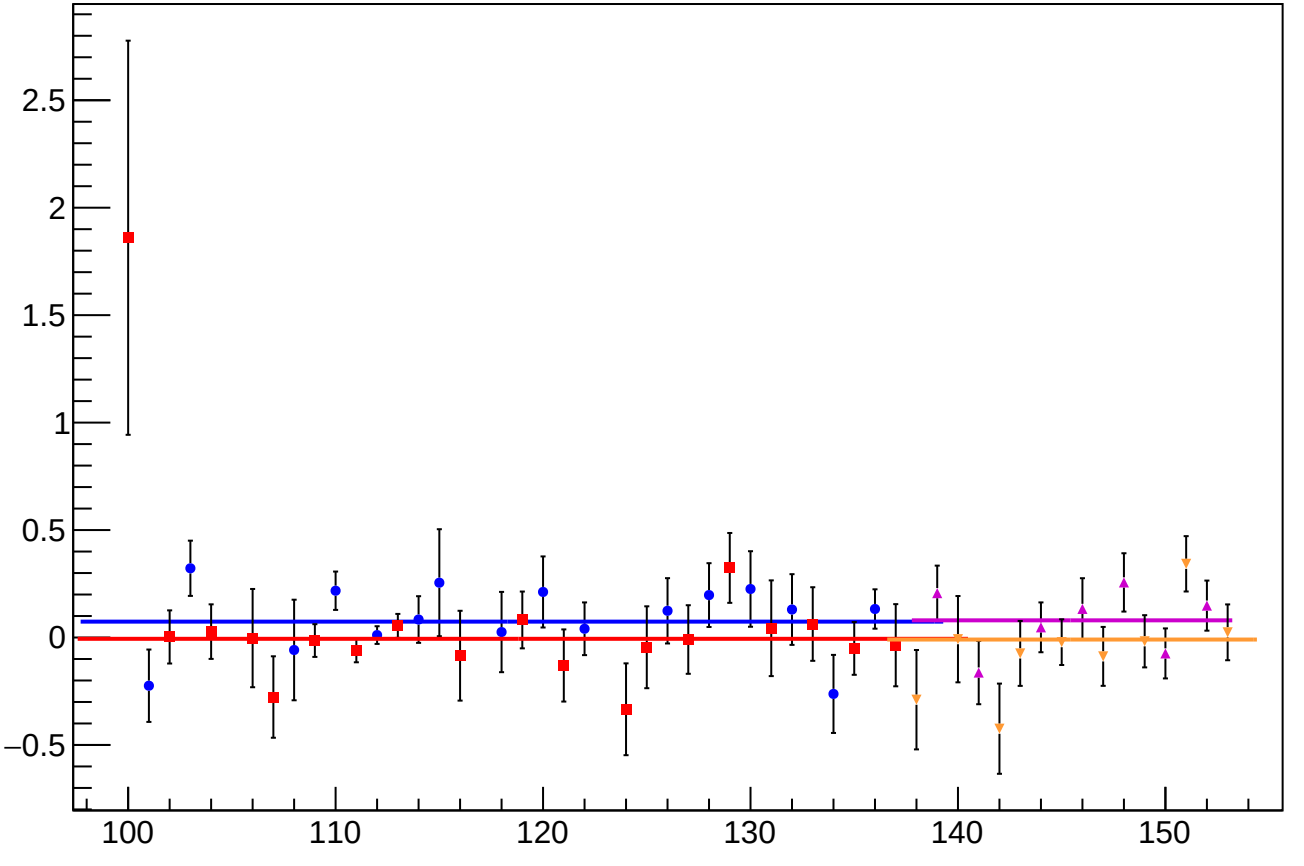
Right: 0.004+/-0.000 χ^2/NDF: 4928784.4/34

In: 0.004+/-0.000 χ^2/NDF:5042836.5/22

Out: 0.003+/-0.000 χ^2/NDF:6001675.9/27

All: 0.003+/-0.000 χ^2/NDF: 11170158.9/50

asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.009+/-0.048 χ^2/NDF:13.5/8

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.080+/-0.048 χ^2/NDF:7.7/6

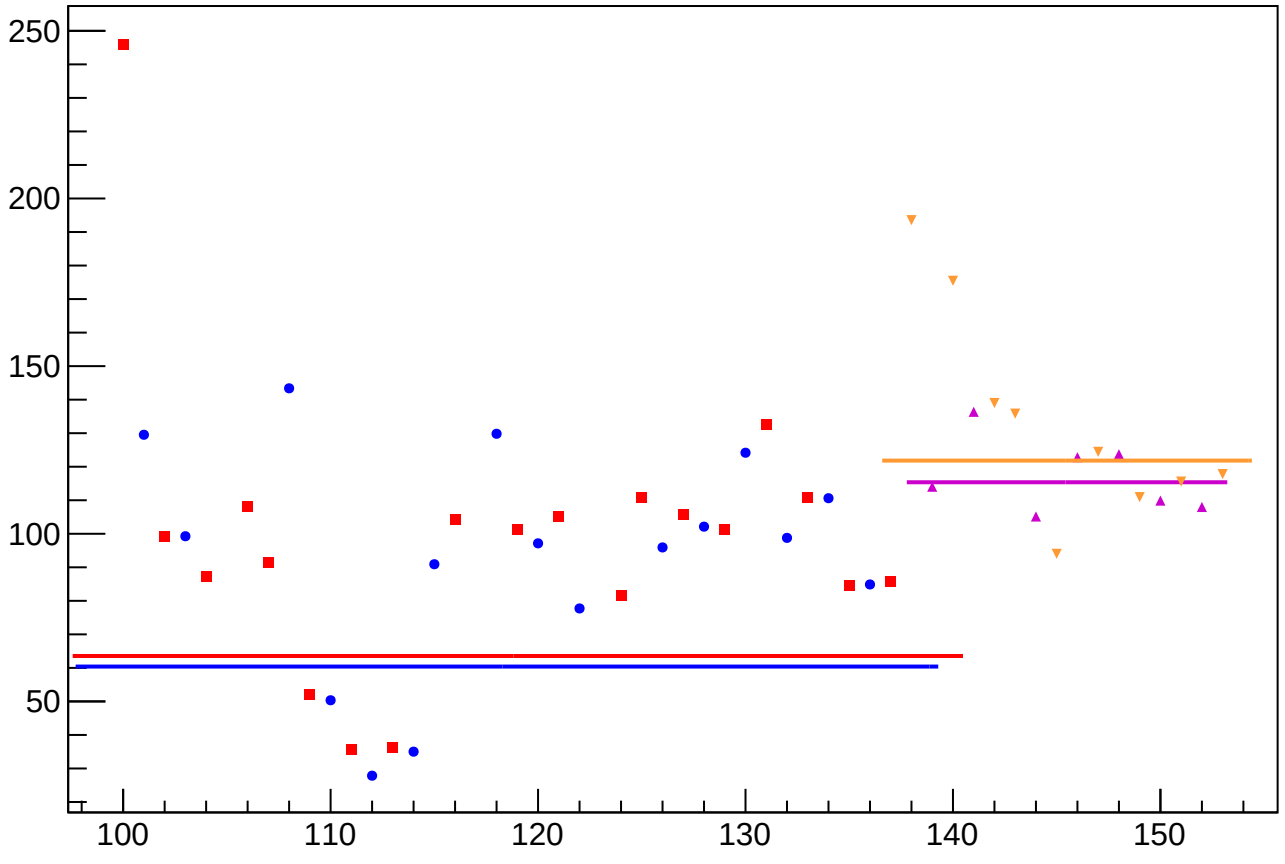
Left: 0.035+/-0.034 χ^2/NDF: 22.9/15

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.075+/-0.024 χ^2/NDF:26.7/22

Out: -0.007+/-0.023 χ^2/NDF:29.9/27

All: 0.034+/-0.017 χ^2/NDF: 62.7/50



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 121.827+/-0.034 χ^2/NDF:525958.9/8

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 115.367+/-0.034 χ^2/NDF:81872.4/6

Left: 118.622+/-0.024 χ^2/NDF: 626010.2/15

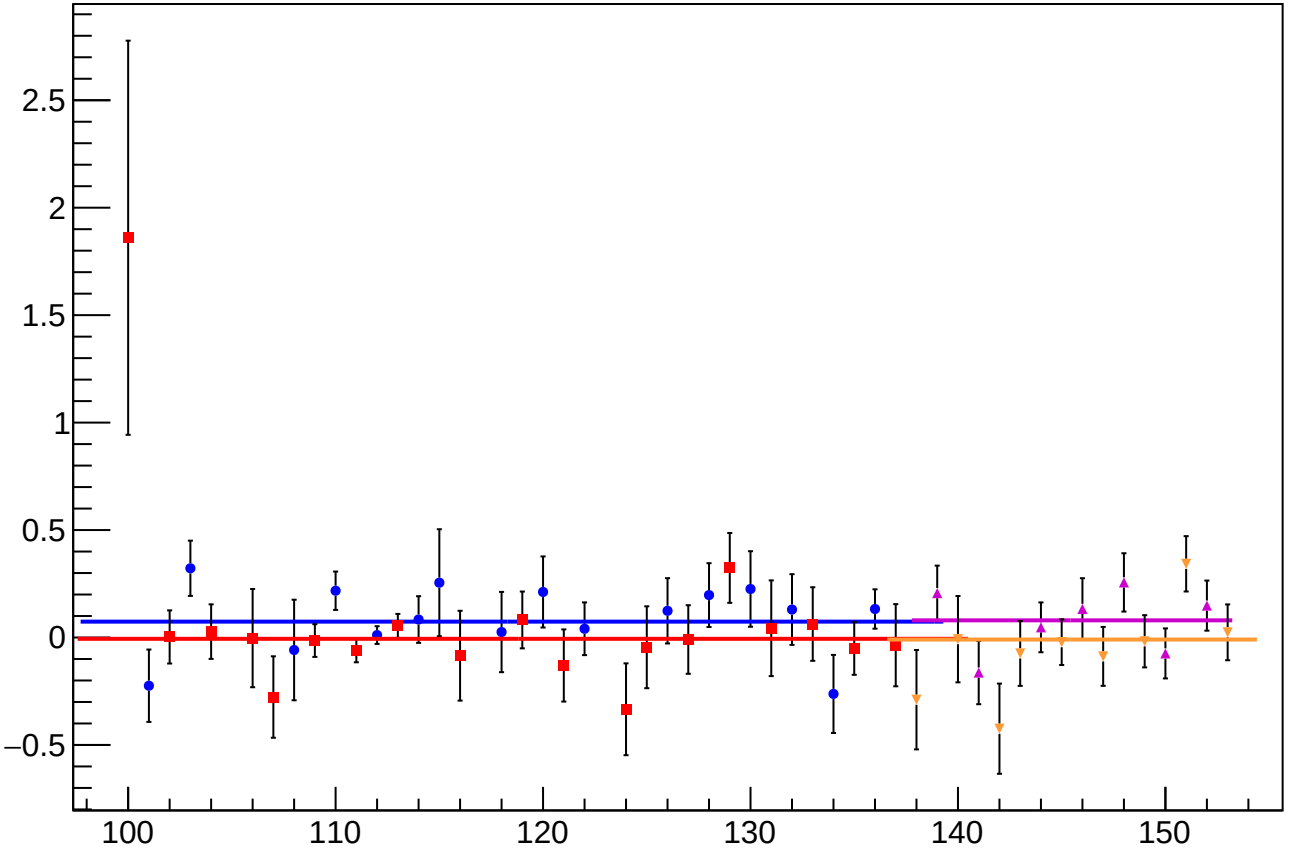
Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 73.579+/-0.017 χ^2/NDF:5606205.3/22

Out: 77.546+/-0.017 χ^2/NDF:5446730.6/27

All: 75.577+/-0.012 χ^2/NDF: 11081508.8/50

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: -0.009+/-0.048 χ^2/NDF:13.5/8

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.080+/-0.048 χ^2/NDF:7.7/6

Left: 0.035+/-0.034 χ^2/NDF: 22.9/15

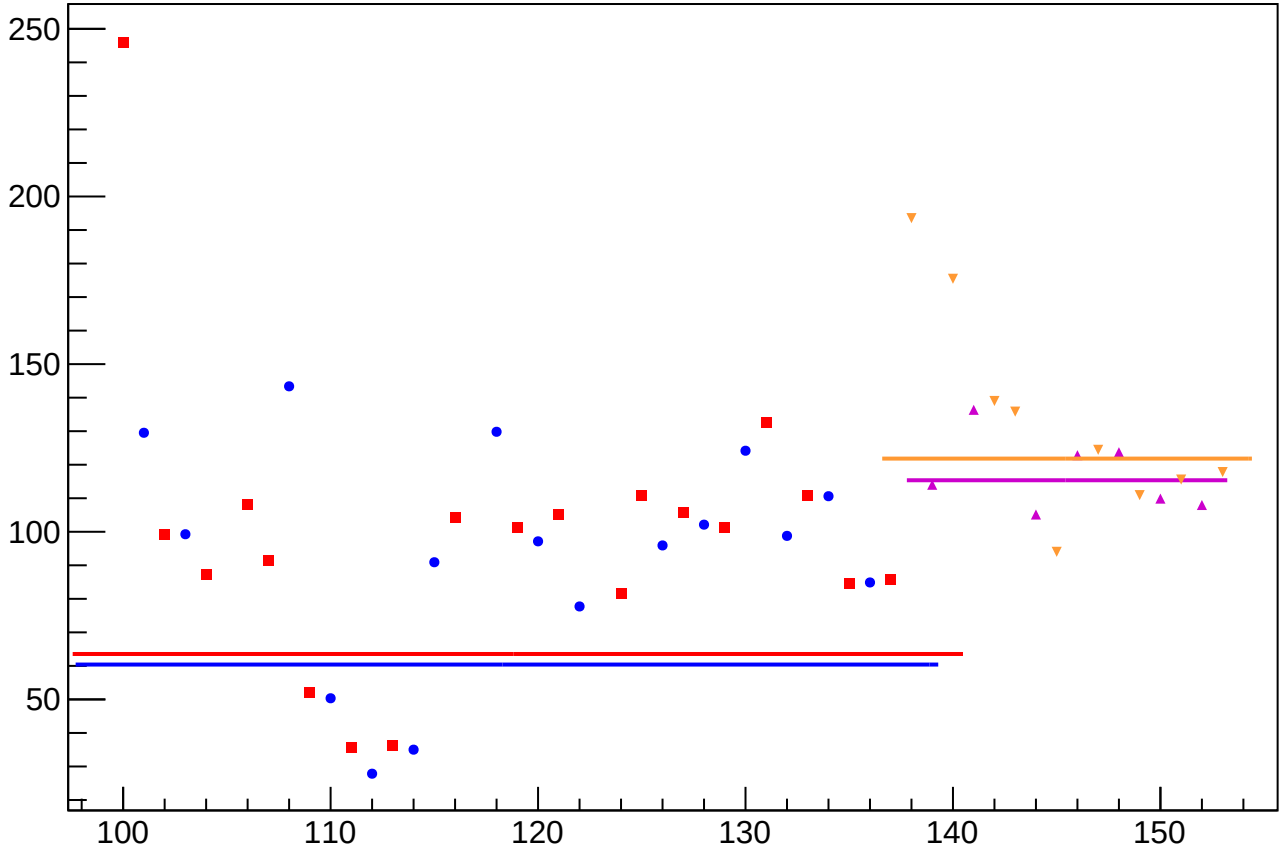
Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.075+/-0.024 χ^2/NDF:26.7/22

Out: -0.007+/-0.023 χ^2/NDF:29.9/27

All: 0.034+/-0.017 χ^2/NDF: 62.7/50

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 121.827+/-0.034 χ^2/NDF:525958.9/8

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 115.367+/-0.034 χ^2/NDF:81872.4/6

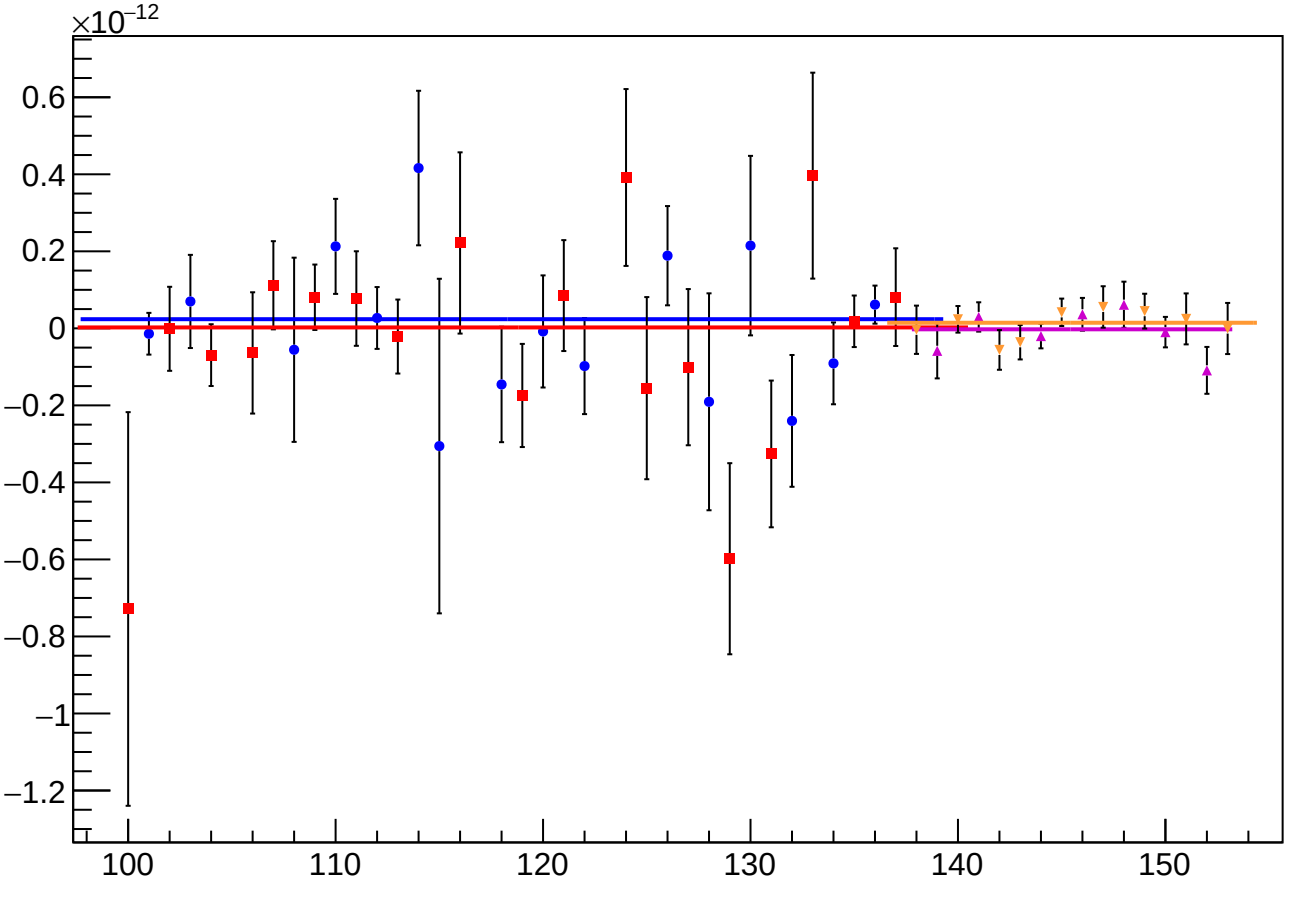
Left: 118.622+/-0.024 χ^2/NDF: 626010.2/15

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 73.579+/-0.017 χ^2/NDF:5606205.3/22

Out: 77.546+/-0.017 χ^2/NDF:5446730.6/27

All: 75.577+/-0.012 χ^2/NDF: 11081508.8/50



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.0/8

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:6.7/6

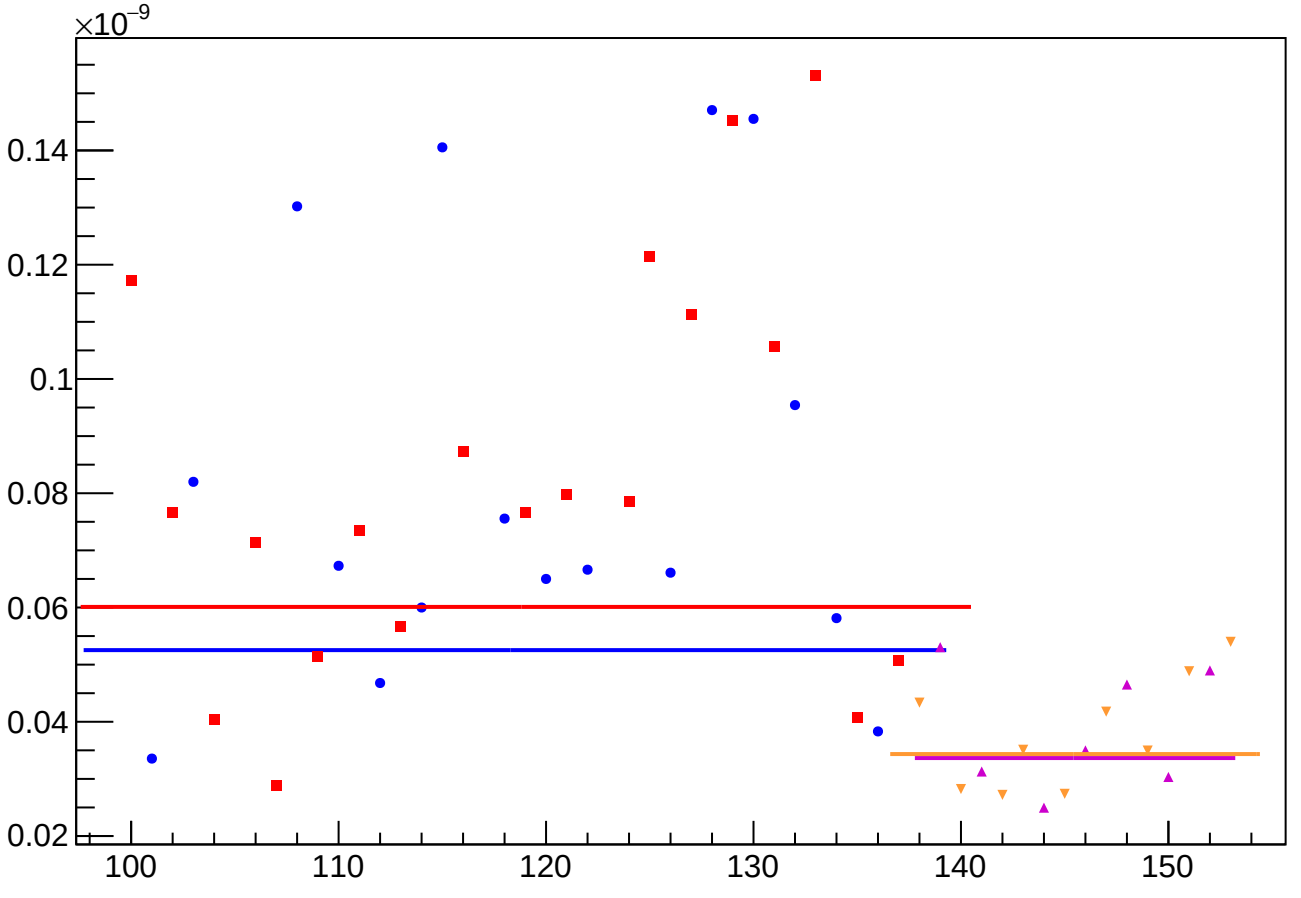
Left: 0.000+/-0.000 χ^2/NDF: 12.2/15

Right: 0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:24.2/22

Out: 0.000+/-0.000 χ^2/NDF:28.3/27

All: 0.000+/-0.000 χ^2/NDF: 52.6/50



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:528877.5/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

Left In: 0.000+/-0.000 χ^2/NDF:538096.2/6

Left: 0.000+/-0.000 χ^2/NDF: 1068841.6/15

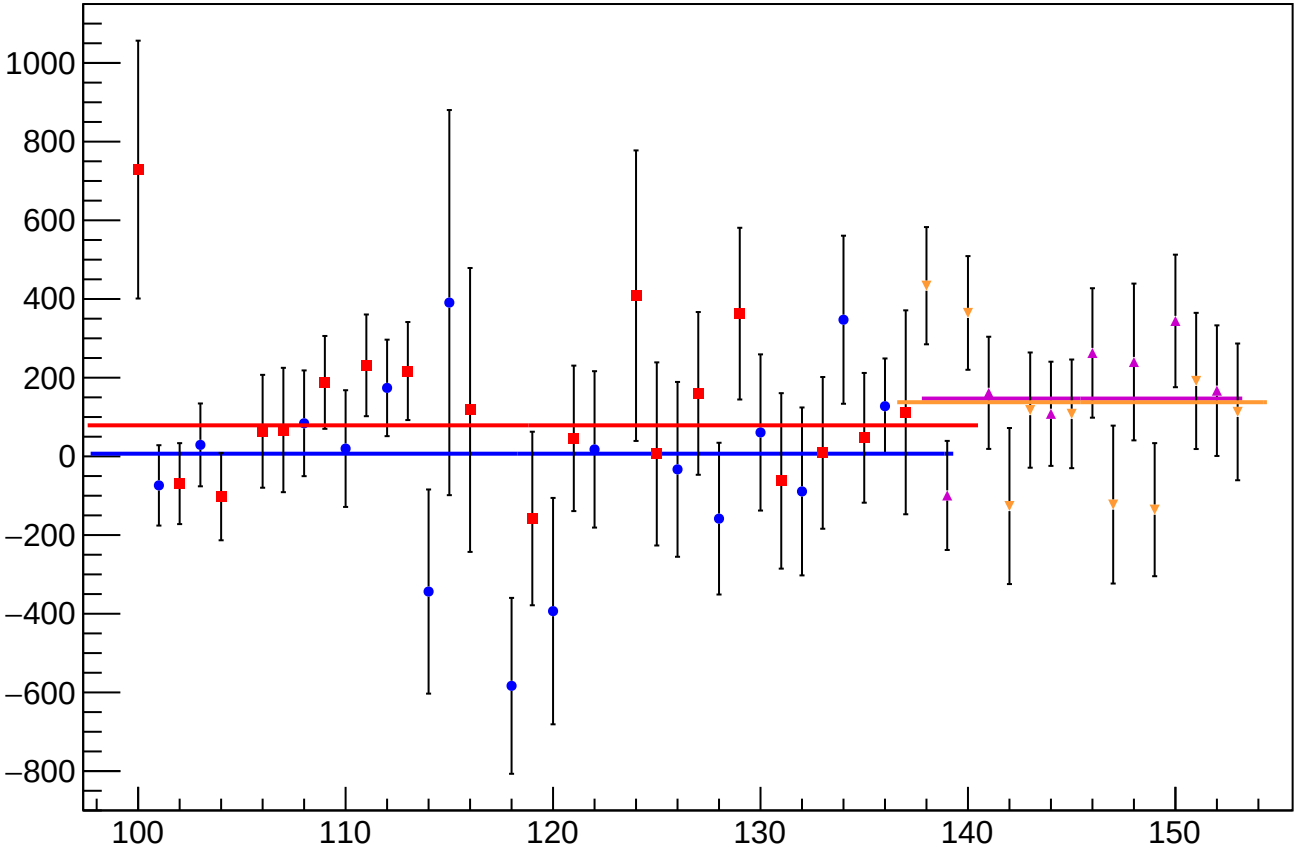
Right: 0.000+/-0.000 χ^2/NDF: 3263531.1/34

In: 0.000+/-0.000 χ^2/NDF:2928221.6/22

Out: 0.000+/-0.000 χ^2/NDF:3295815.0/27

All: 0.000+/-0.000 χ^2/NDF: 6230889.7/50

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 137.650+/-53.938 χ^2/NDF:12.7/8

Right Out: 78.883+/-37.906 χ^2/NDF: 16.7/18

Left In: 146.956+/-58.528 χ^2/NDF:5.4/6

Left: 141.924+/-39.663 χ^2/NDF: 18.0/15

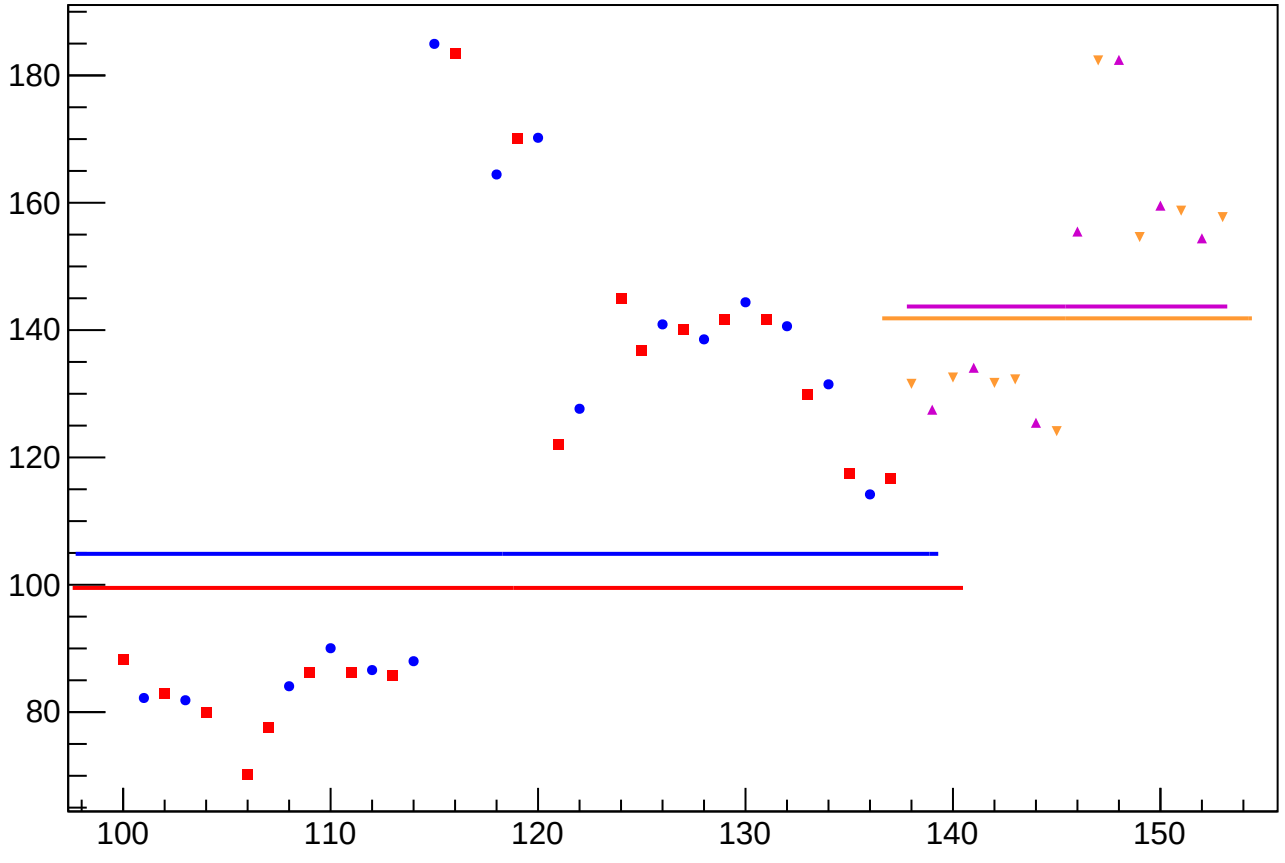
Right: 45.098+/-27.628 χ^2/NDF: 37.2/34

In: 51.966+/-33.222 χ^2/NDF:28.0/22

Out: 98.311+/-31.013 χ^2/NDF:30.1/27

All: 76.730+/-22.670 χ^2/NDF: 59.2/50

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 141.847+/-0.038 χ^2/NDF:193252.4/8

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

Left In: 143.707+/-0.041 χ^2/NDF:186314.2/6

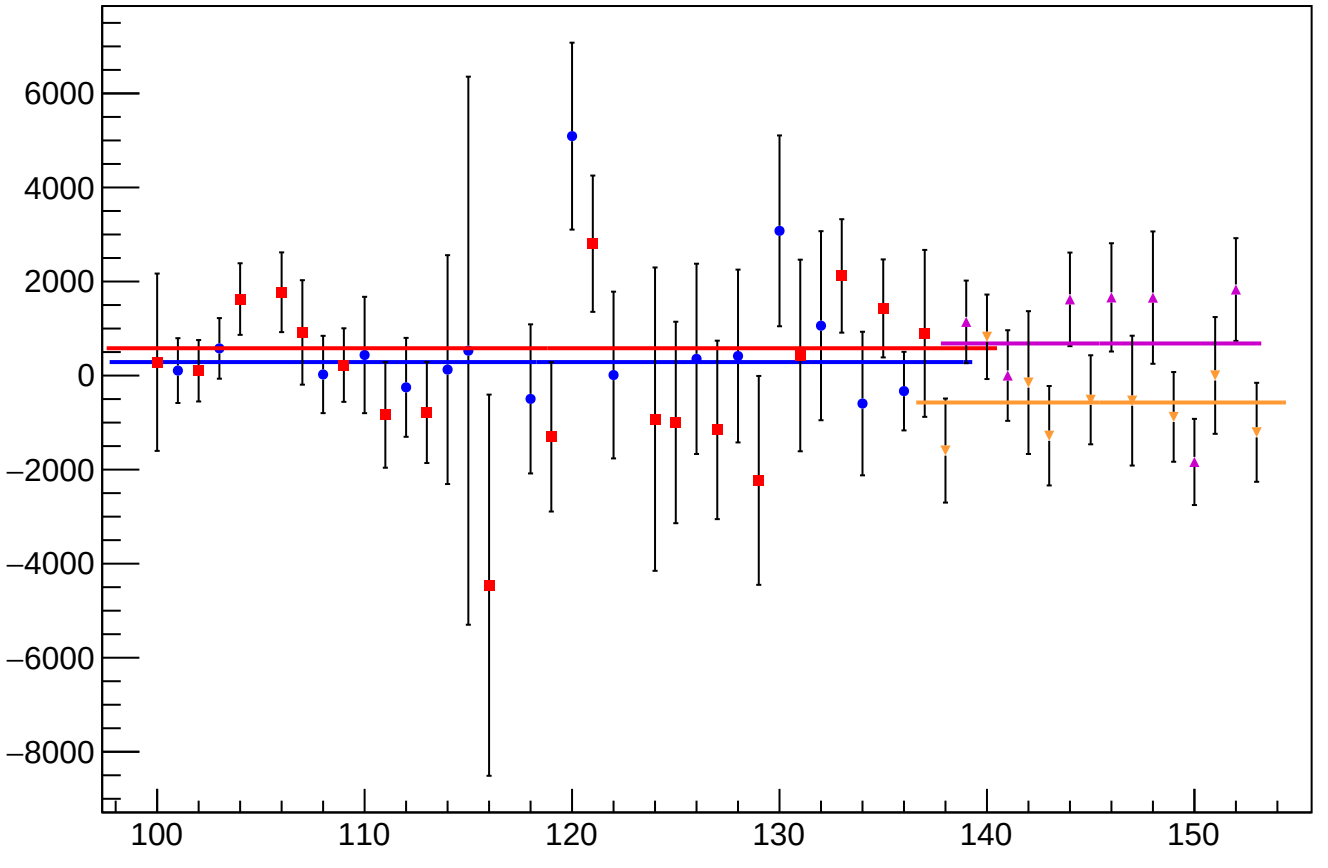
Left: 142.701+/-0.028 χ^2/NDF: 380659.2/15

Right: 102.017+/-0.020 χ^2/NDF: 1988955.2/34

In: 117.376+/-0.023 χ^2/NDF:1714755.1/22

Out: 113.505+/-0.022 χ^2/NDF:2057196.4/27

All: 115.308+/-0.016 χ^2/NDF: 3786463.4/50



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -572.830+/-360.979 χ^2/NDF:4.5/8

Right Out: 581.217+/-269.775 χ^2/NDF: 18.8/18

Left In: 682.827+/-387.096 χ^2/NDF:11.5/6

Left: 11.214+/-264.001 χ^2/NDF: 21.6/15

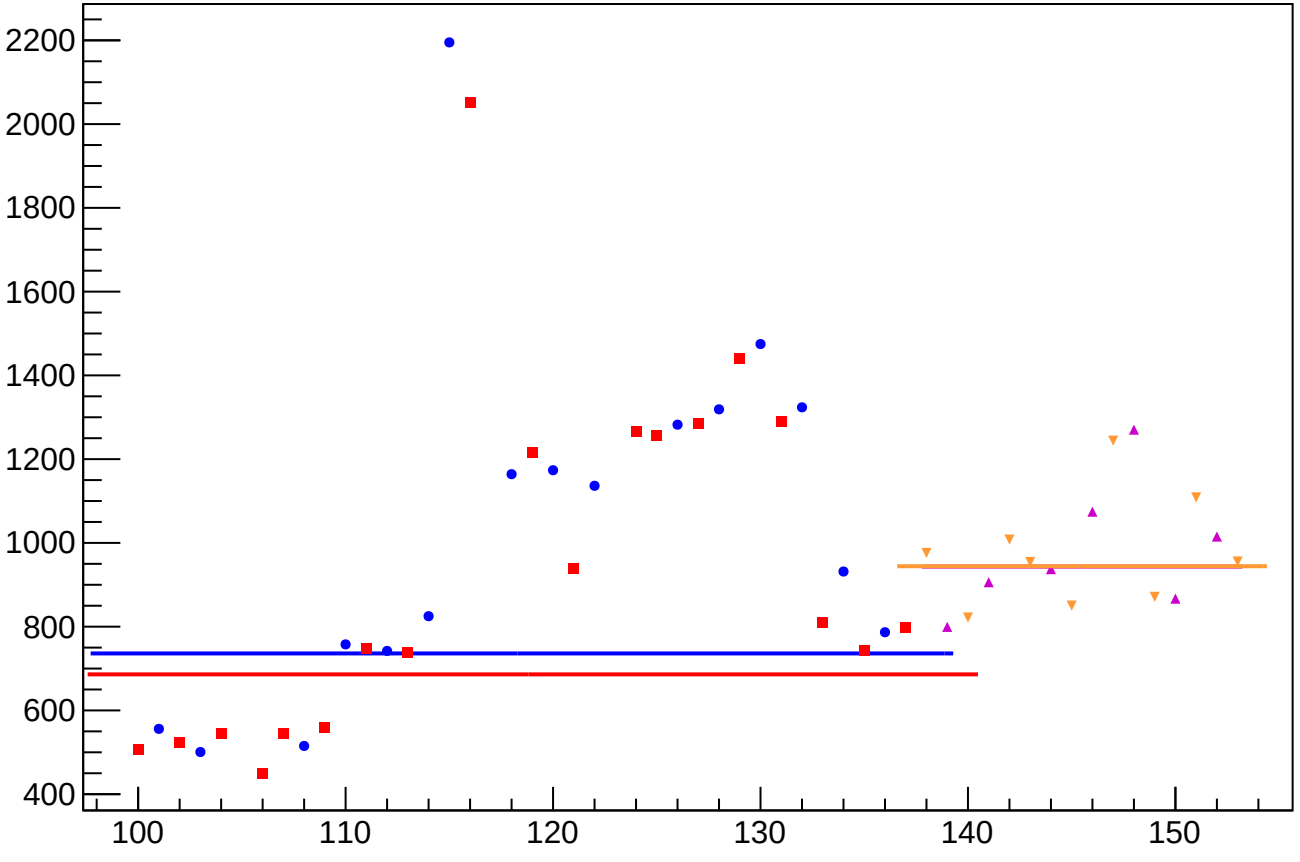
Right: 446.427+/-198.610 χ^2/NDF: 29.0/34

In: 431.419+/-233.862 χ^2/NDF:21.9/22

Out: 167.646+/-216.095 χ^2/NDF:29.8/27

All: 289.134+/-158.712 χ^2/NDF: 52.4/50

asym_sam5_reg_correction_rms vs Slug, Sign Corrected



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 944.284+/-0.255 χ^2/NDF:203543.1/8

Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 943.431+/-0.274 χ^2/NDF:213395.9/6

Left: 943.887+/-0.187 χ^2/NDF: 416944.2/15

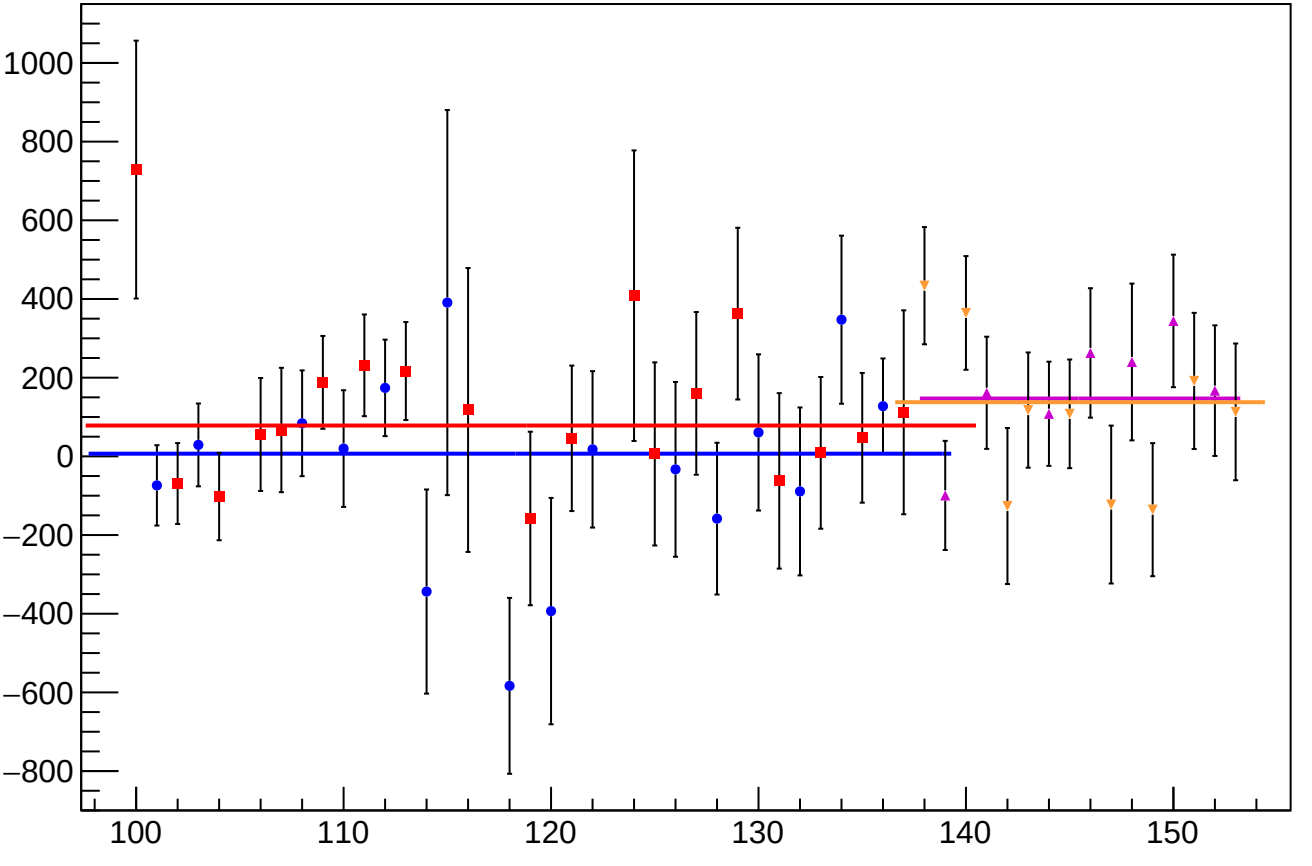
Right: 708.997+/-0.140 χ^2/NDF: 3695106.9/34

In: 811.763+/-0.165 χ^2/NDF:2422282.5/22

Out: 778.630+/-0.153 χ^2/NDF:2679144.6/27

All: 793.890+/-0.112 χ^2/NDF: 5123083.1/50

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 137.655+/-53.938 χ^2/NDF:12.7/8

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 146.955+/-58.528 χ^2/NDF:5.4/6

Left: 141.926+/-39.663 χ^2/NDF: 18.0/15

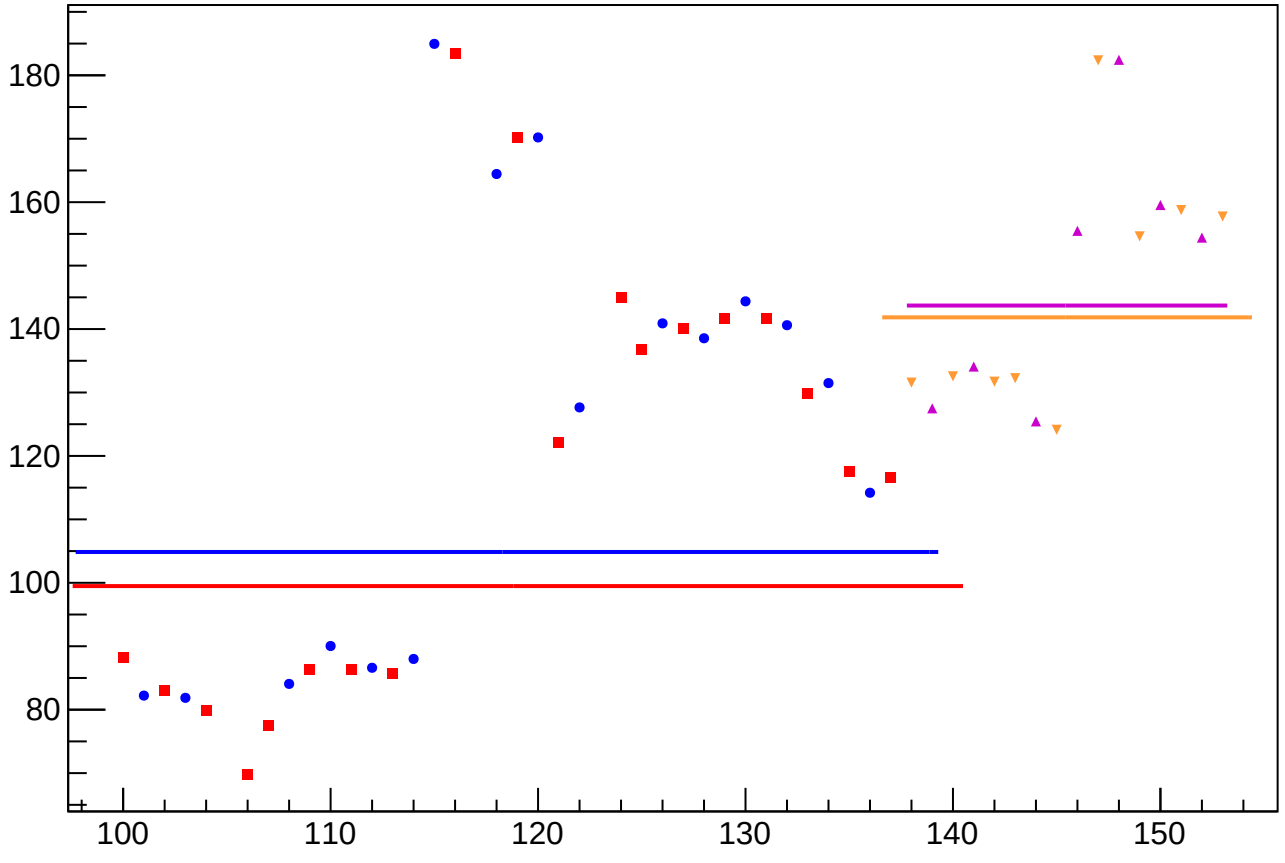
Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 51.957+/-33.222 χ^2/NDF:28.0/22

Out: 97.956+/-31.015 χ^2/NDF:30.2/27

All: 76.536+/-22.671 χ^2/NDF: 59.2/50

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 141.847+/-0.038 χ^2/NDF:193252.4/8

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 143.707+/-0.041 χ^2/NDF:186314.2/6

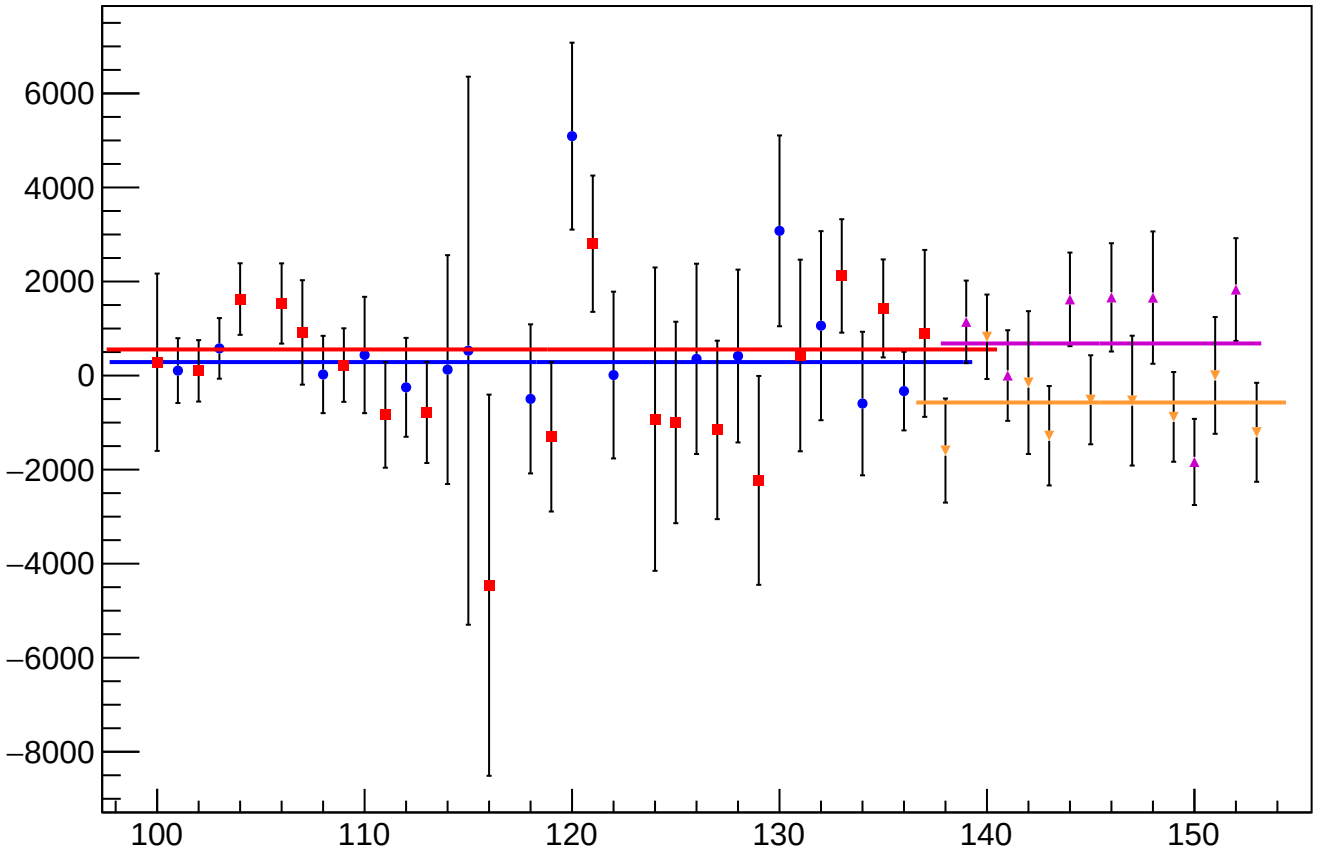
Left: 142.701+/-0.028 χ^2/NDF: 380659.2/15

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 117.376+/-0.023 χ^2/NDF:1714753.9/22

Out: 113.490+/-0.022 χ^2/NDF:2060275.7/27

All: 115.300+/-0.016 χ^2/NDF: 3789651.0/50



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -572.825+/-360.979 χ^2/NDF:4.5/8

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 682.820+/-387.096 χ^2/NDF:11.5/6

Left: 11.213+/-264.001 χ^2/NDF: 21.6/15

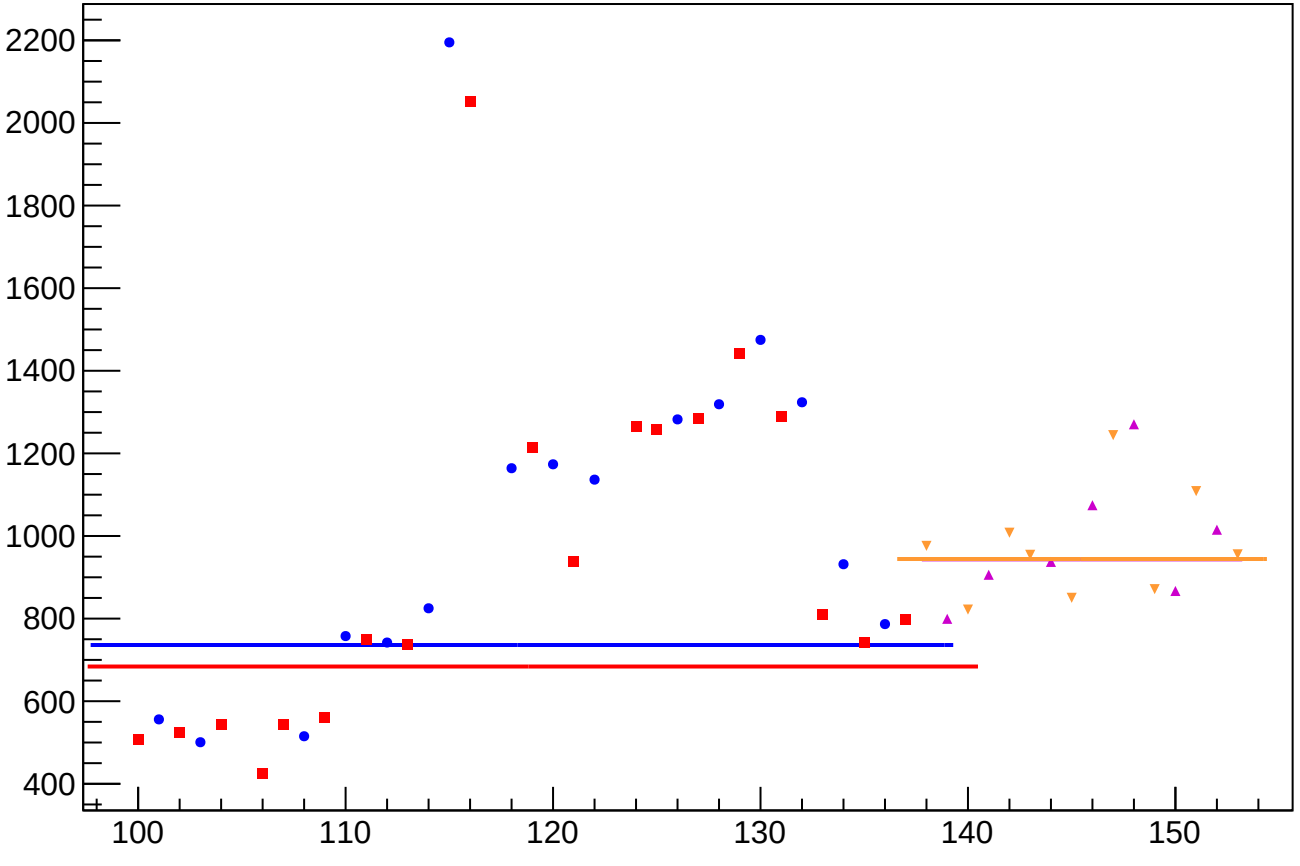
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 431.418+/-233.862 χ^2/NDF:21.9/22

Out: 150.763+/-216.187 χ^2/NDF:28.8/27

All: 280.085+/-158.748 χ^2/NDF: 51.4/50

asym_sam5_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 944.285+/-0.255 χ^2/NDF:203542.6/8

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 943.431+/-0.274 χ^2/NDF:213396.1/6

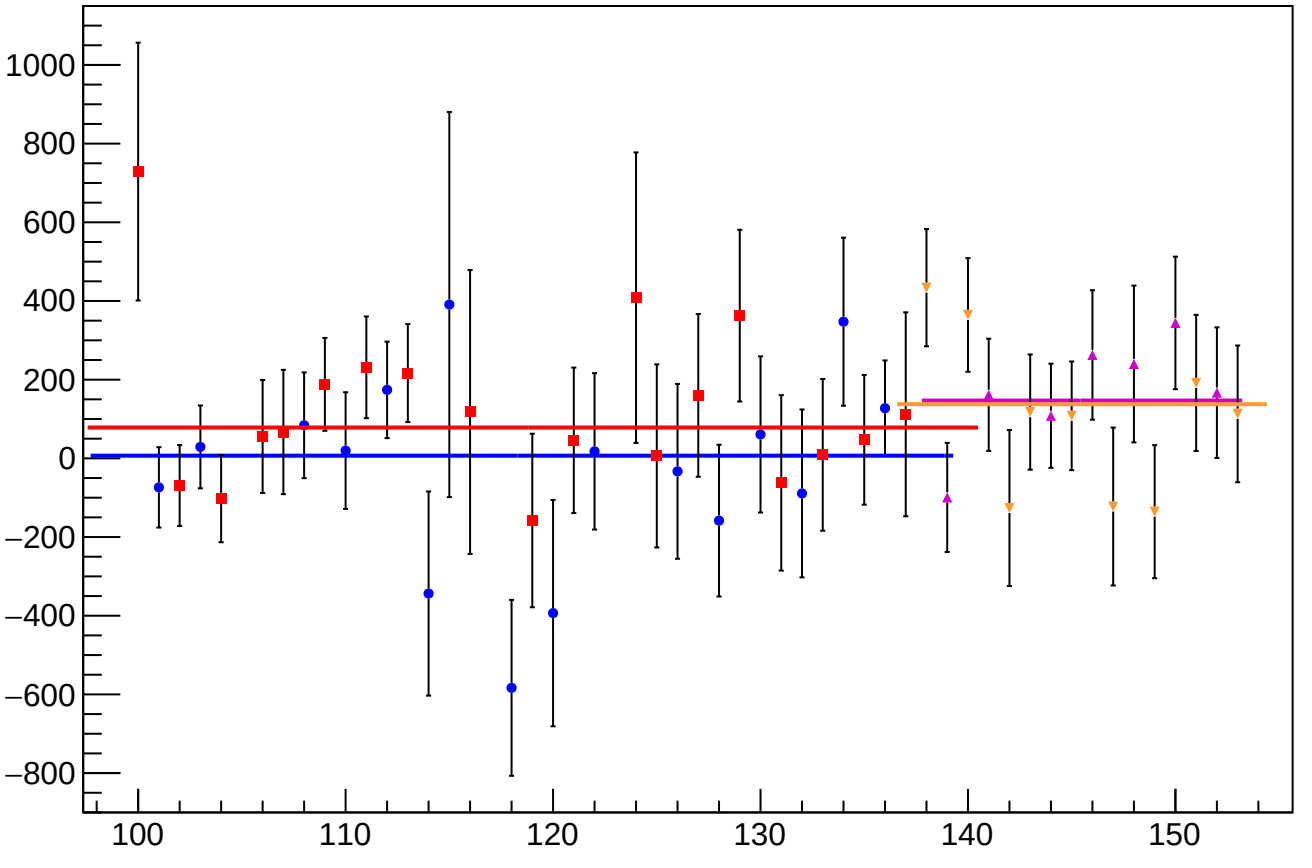
Left: 943.887+/-0.187 χ^2/NDF: 416943.9/15

Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 811.763+/-0.165 χ^2/NDF:2422287.3/22

Out: 777.344+/-0.153 χ^2/NDF:2720918.9/27

All: 793.204+/-0.112 χ^2/NDF: 5166566.2/50



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 137.655+/-53.938 χ^2/NDF:12.7/8

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 146.955+/-58.528 χ^2/NDF:5.4/6

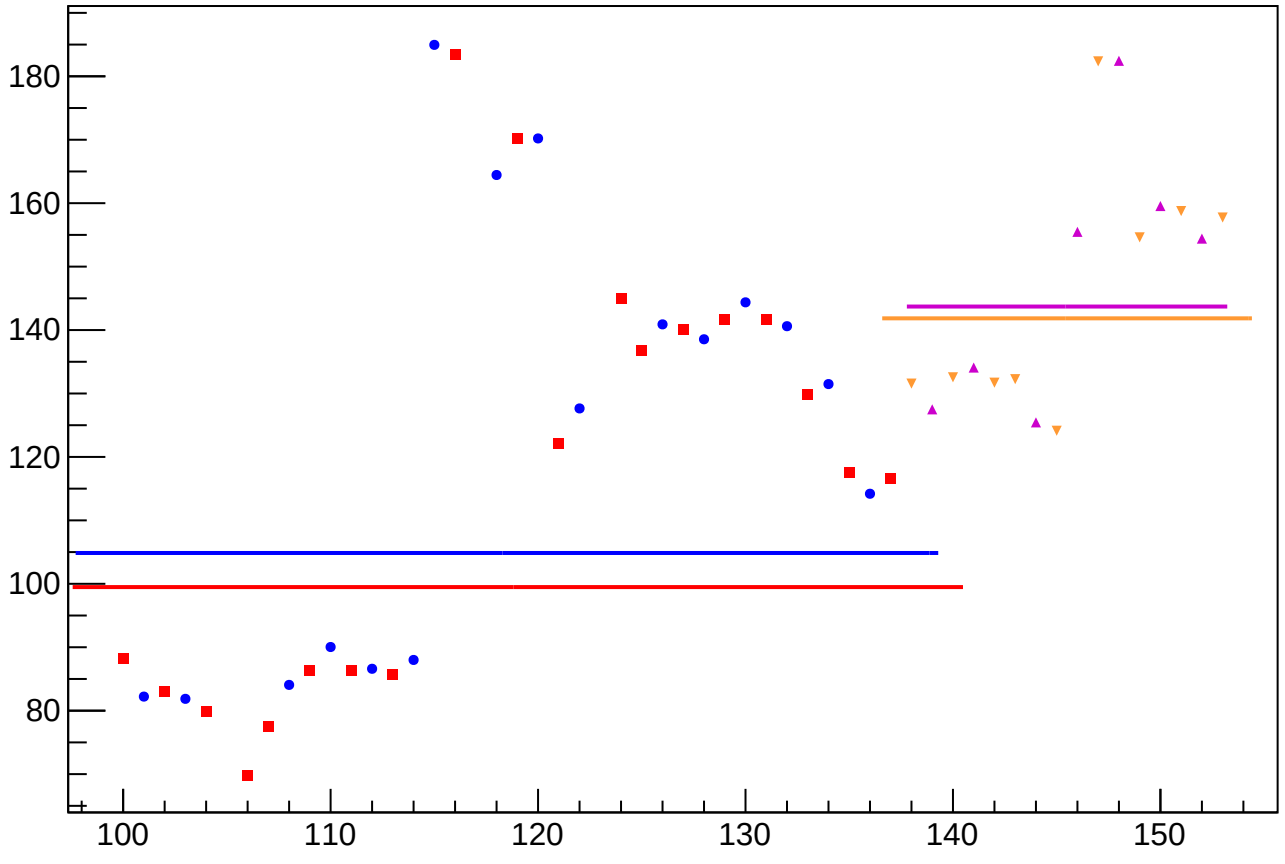
Left: 141.926+/-39.663 χ^2/NDF: 18.0/15

Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 51.957+/-33.222 χ^2/NDF:28.0/22

Out: 97.956+/-31.015 χ^2/NDF:30.2/27

All: 76.536+/-22.671 χ^2/NDF: 59.2/50



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 141.847+/-0.038 χ^2/NDF:193252.4/8

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 143.707+/-0.041 χ^2/NDF:186314.2/6

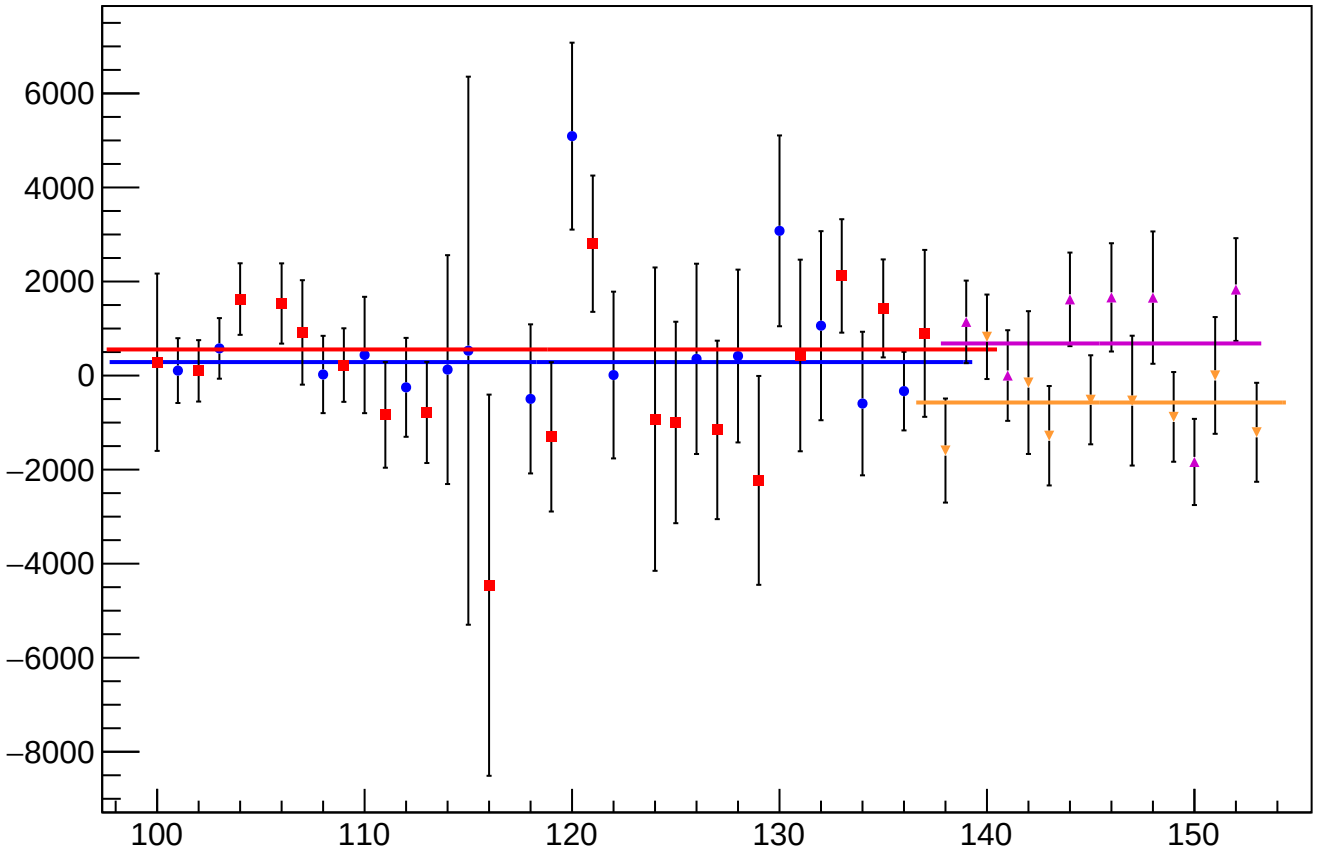
Left: 142.701+/-0.028 χ^2/NDF: 380659.2/15

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 117.376+/-0.023 χ^2/NDF:1714753.9/22

Out: 113.490+/-0.022 χ^2/NDF:2060275.7/27

All: 115.300+/-0.016 χ^2/NDF: 3789651.0/50



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -572.825+/-360.979 χ^2/NDF:4.5/8

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 682.820+/-387.096 χ^2/NDF:11.5/6

Left: 11.213+/-264.001 χ^2/NDF: 21.6/15

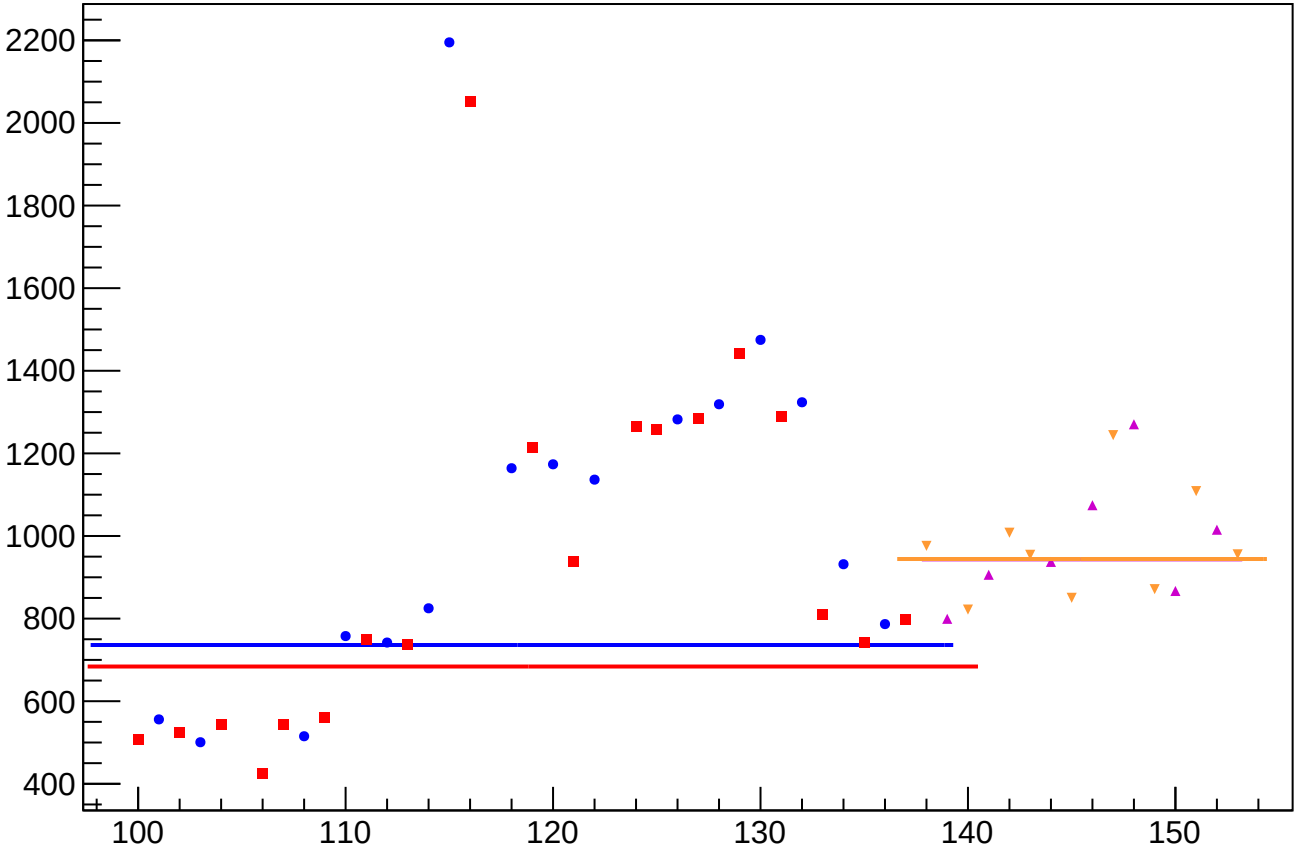
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 431.418+/-233.862 χ^2/NDF:21.9/22

Out: 150.763+/-216.187 χ^2/NDF:28.8/27

All: 280.085+/-158.748 χ^2/NDF: 51.4/50

asym_sam5_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 944.285+/-0.255 χ^2/NDF:203542.6/8

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 943.431+/-0.274 χ^2/NDF:213396.1/6

Left: 943.887+/-0.187 χ^2/NDF: 416943.9/15

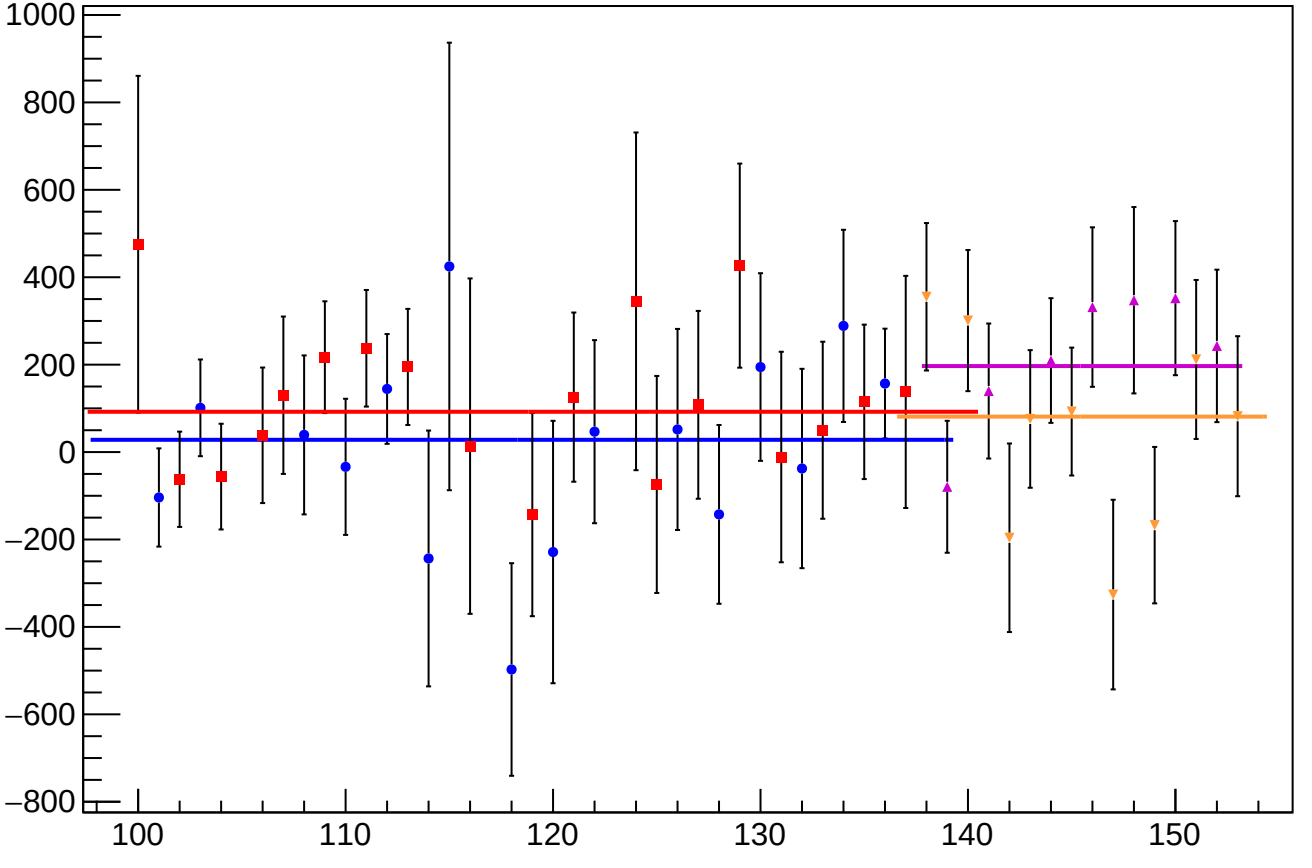
Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 811.763+/-0.165 χ^2/NDF:2422287.3/22

Out: 777.344+/-0.153 χ^2/NDF:2720918.9/27

All: 793.204+/-0.112 χ^2/NDF: 5166566.2/50

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 81.140+/-58.261 χ^2/NDF:12.1/8

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 196.752+/-62.989 χ^2/NDF:5.4/6

Left: 134.445+/-42.771 χ^2/NDF: 19.3/15

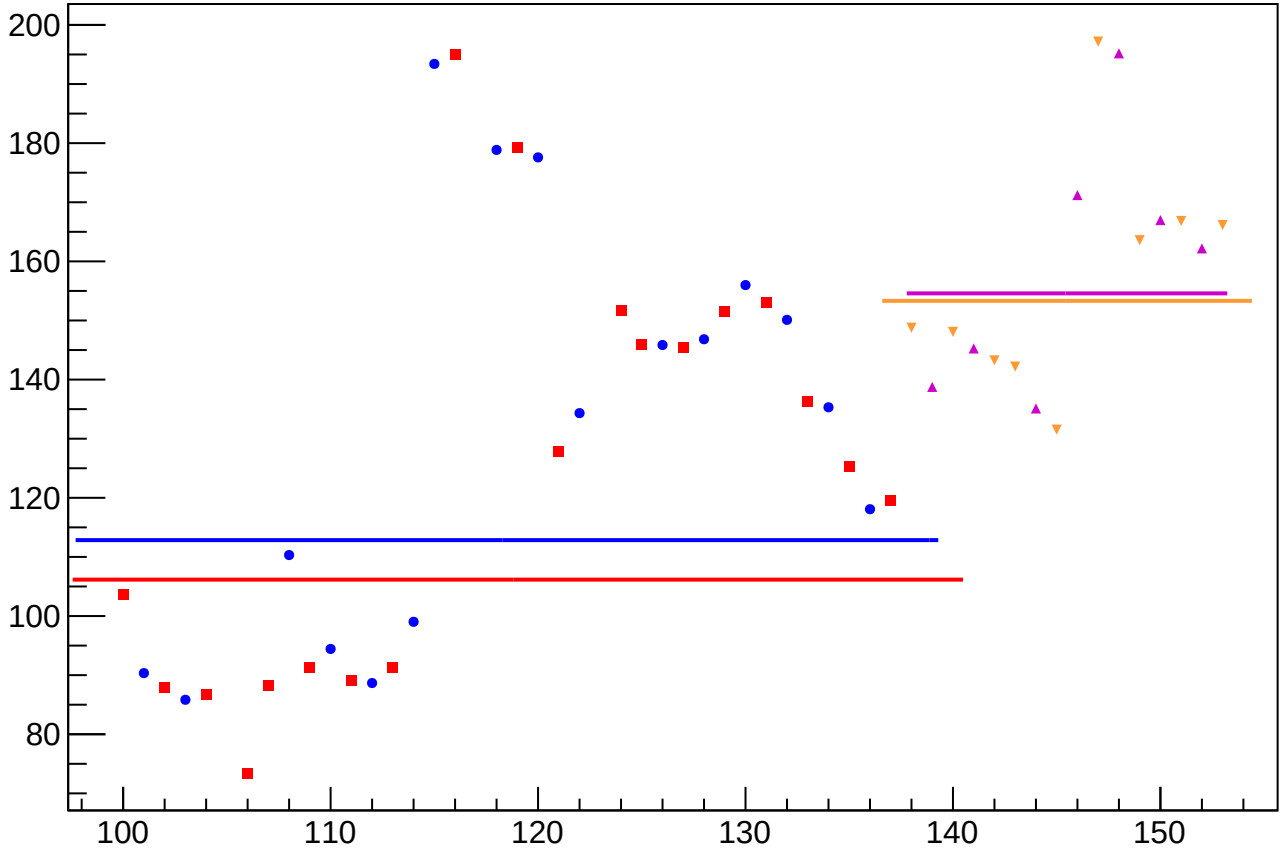
Right: 62.383+/-29.638 χ^2/NDF: 26.4/34

In: 82.453+/-35.760 χ^2/NDF:23.8/22

Out: 88.624+/-33.276 χ^2/NDF:23.9/27

All: 85.760+/-24.361 χ^2/NDF: 47.7/50

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 153.321+/-0.041 χ^2/NDF:171455.2/8

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

Left In: 154.586+/-0.045 χ^2/NDF:169394.8/6

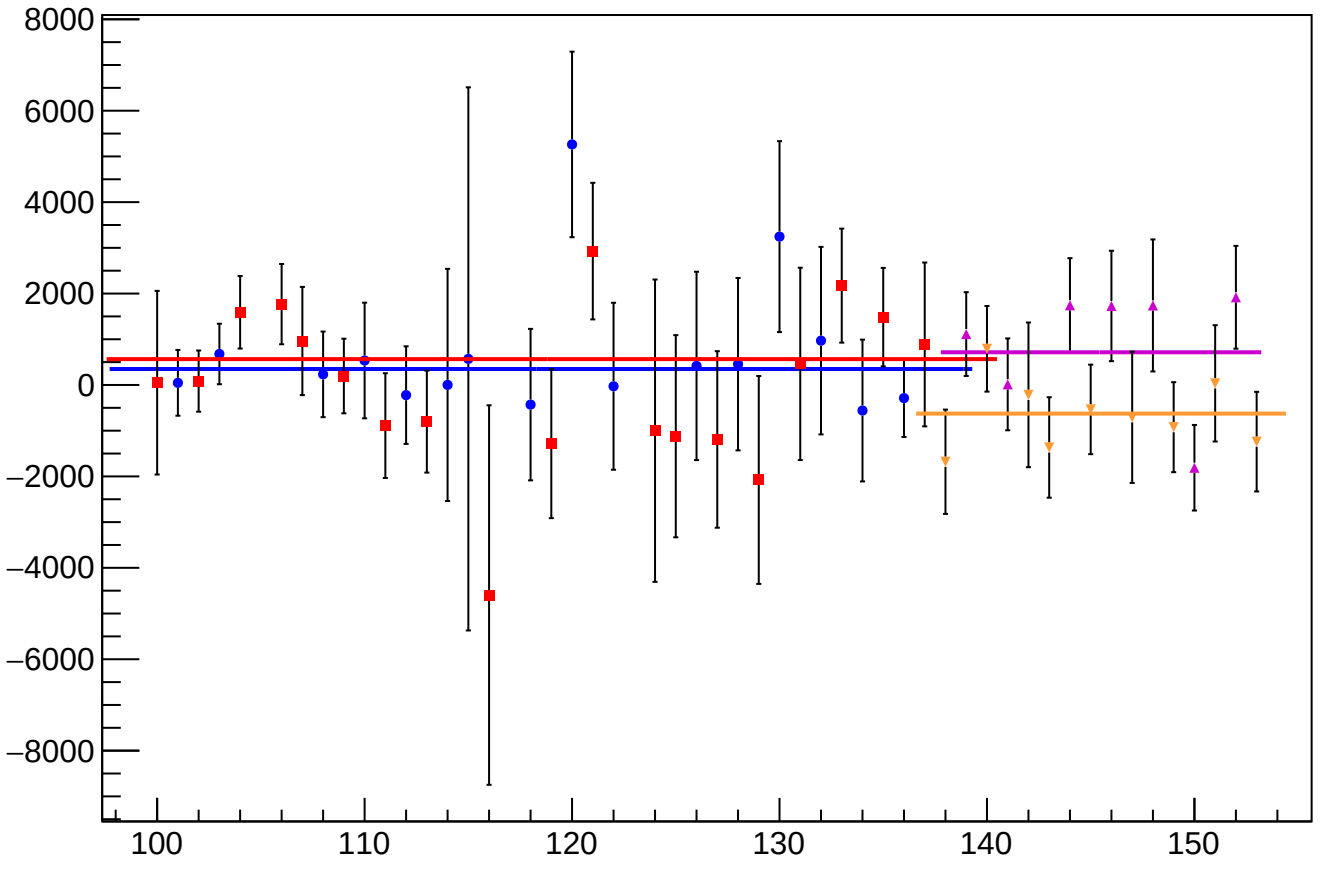
Left: 153.904+/-0.030 χ^2/NDF: 341284.9/15

Right: 109.270+/-0.021 χ^2/NDF: 1899683.8/34

In: 126.297+/-0.025 χ^2/NDF:1636881.8/22

Out: 121.544+/-0.024 χ^2/NDF:2056634.3/27

All: 123.749+/-0.017 χ^2/NDF: 3712451.5/50



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -626.430+/-373.895 χ^2/NDF:4.4/8

Right Out: 566.026+/-279.219 χ^2/NDF: 18.3/18

Left In: 715.451+/-400.953 χ^2/NDF:11.3/6

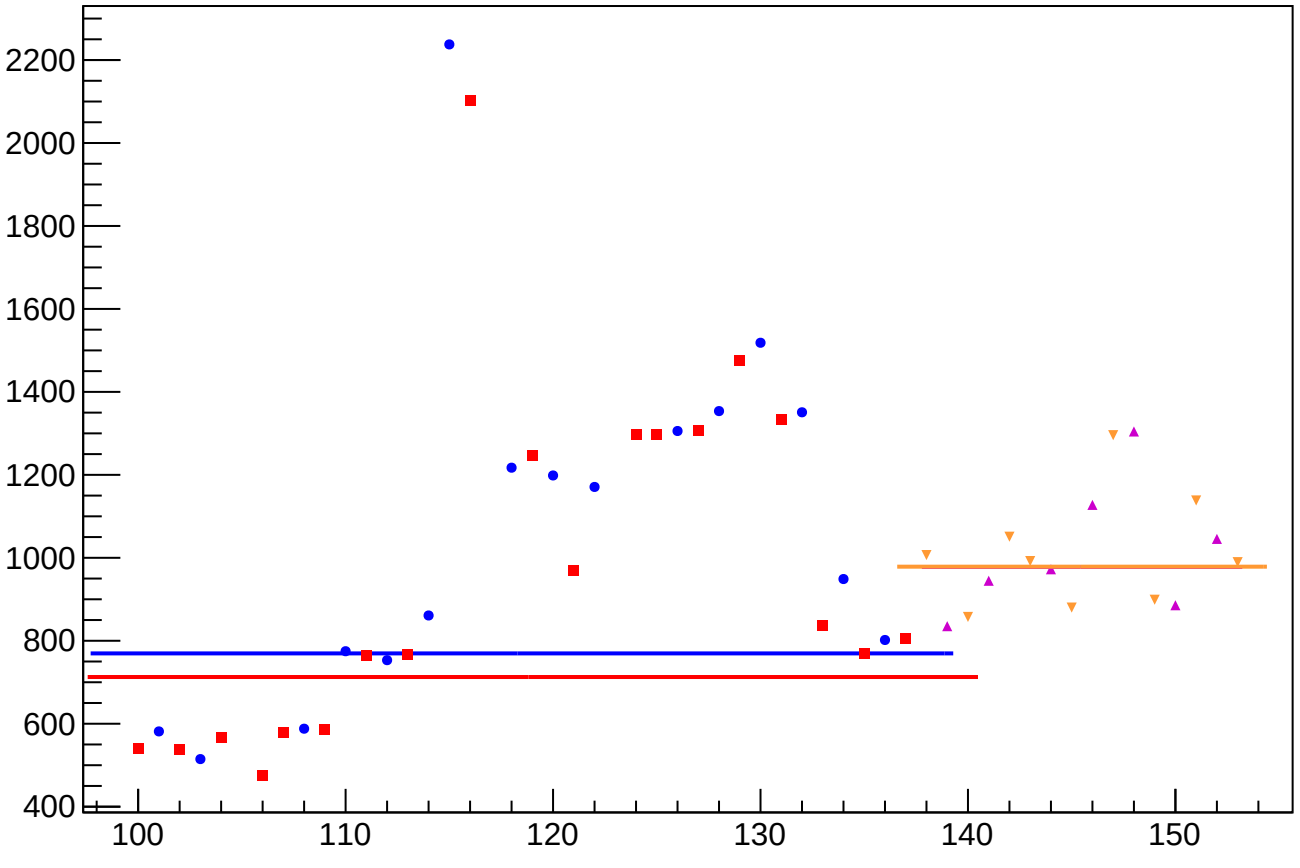
Left: -2.291+/-273.449 χ^2/NDF: 21.7/15

Right: 467.239+/-206.051 χ^2/NDF: 28.4/34

In: 483.575+/-242.914 χ^2/NDF:21.6/22

Out: 139.101+/-223.720 χ^2/NDF:29.2/27

All: 297.192+/-164.562 χ^2/NDF: 51.9/50



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 978.622+/-0.264 χ^2/NDF:201648.1/8

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

Left In: 977.823+/-0.284 χ^2/NDF:210522.8/6

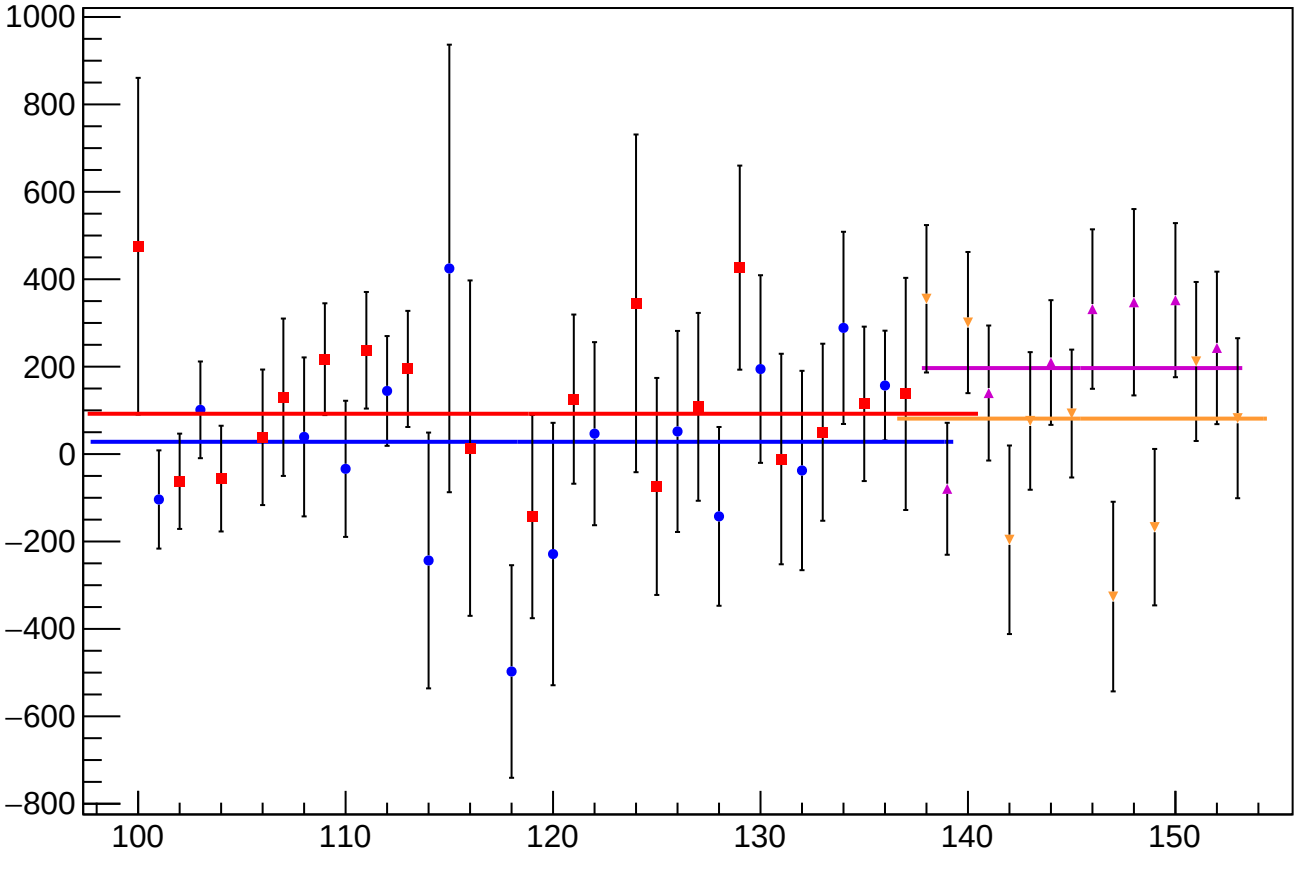
Left: 978.250+/-0.193 χ^2/NDF: 412175.2/15

Right: 738.555+/-0.146 χ^2/NDF: 3545027.5/34

In: 846.000+/-0.172 χ^2/NDF:2292007.1/22

Out: 807.860+/-0.158 χ^2/NDF:2618696.0/27

All: 825.364+/-0.116 χ^2/NDF: 4937380.2/50



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 81.141+/-58.261 χ^2/NDF:12.1/8

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 196.753+/-62.989 χ^2/NDF:5.4/6

Left: 134.446+/-42.771 χ^2/NDF: 19.3/15

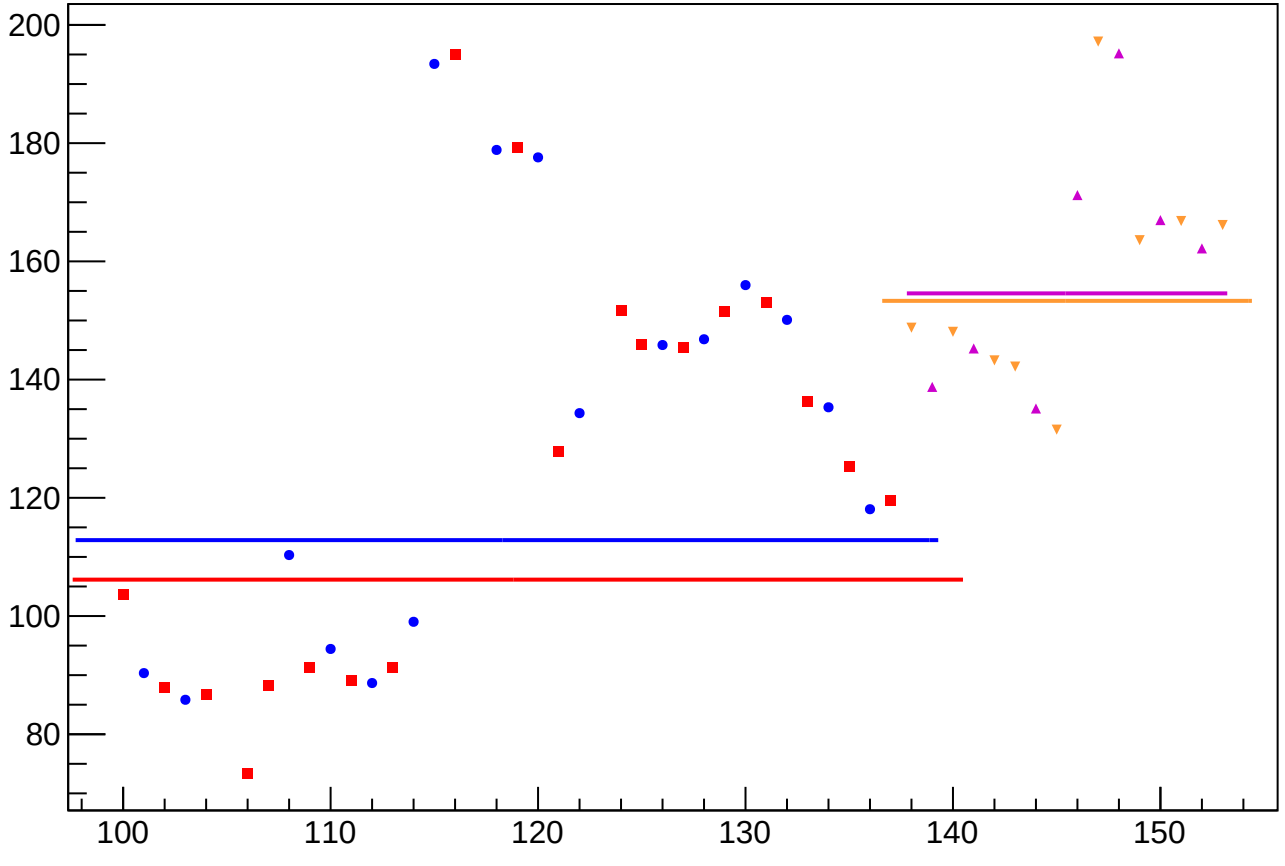
Right: 62.383+/-29.637 χ^2/NDF: 26.4/34

In: 82.452+/-35.760 χ^2/NDF:23.8/22

Out: 88.624+/-33.276 χ^2/NDF:23.9/27

All: 85.760+/-24.361 χ^2/NDF: 47.7/50

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 153.321+/-0.041 χ^2/NDF:171457.8/8

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

Left In: 154.586+/-0.045 χ^2/NDF:169394.1/6

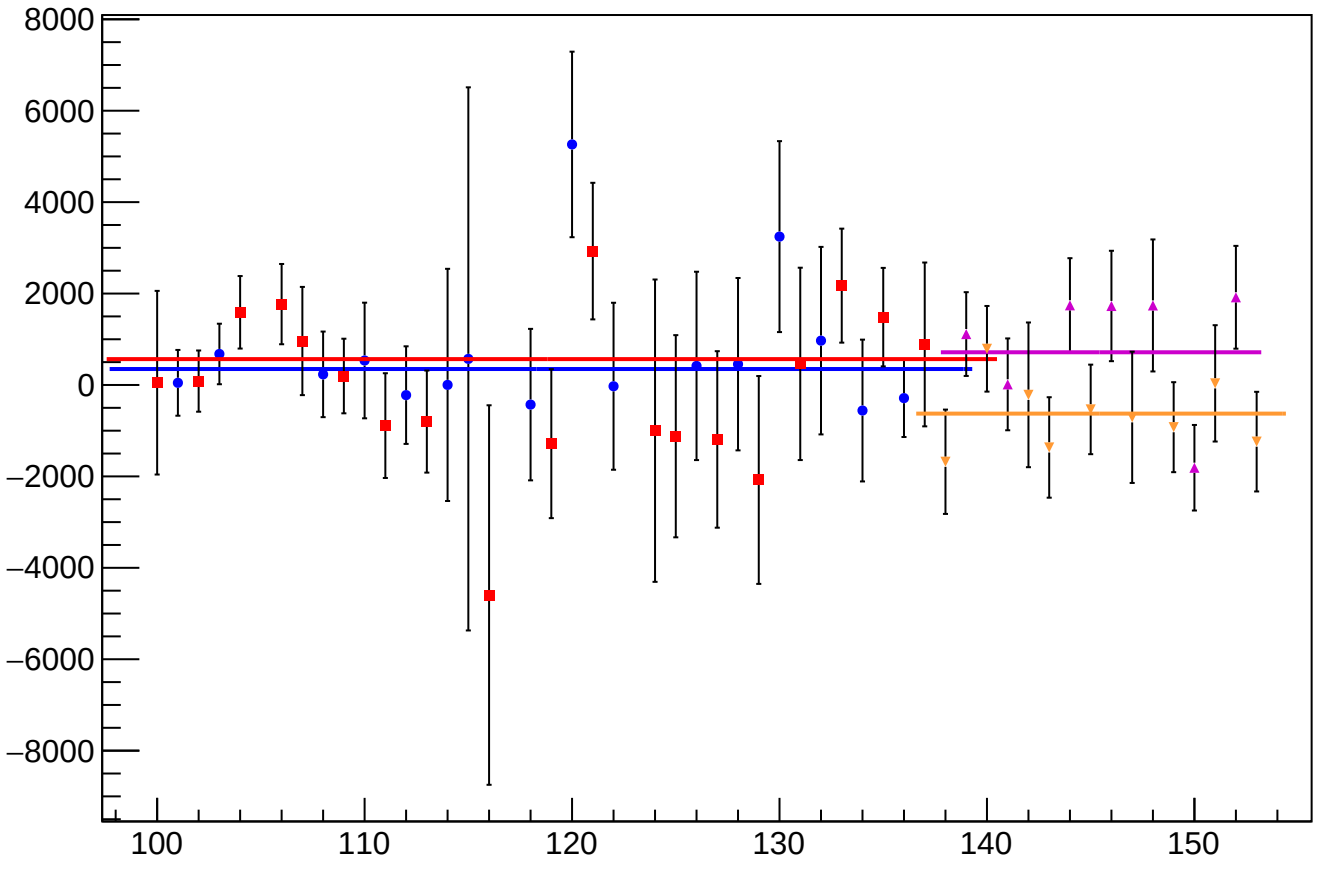
Left: 153.904+/-0.030 χ^2/NDF: 341286.9/15

Right: 109.270+/-0.021 χ^2/NDF: 1899665.6/34

In: 126.296+/-0.025 χ^2/NDF:1636895.8/22

Out: 121.543+/-0.024 χ^2/NDF:2056643.5/27

All: 123.749+/-0.017 χ^2/NDF: 3712474.5/50



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -626.430+/-373.896 χ^2/NDF:4.4/8

Right Out: 566.026+/-279.218 χ^2/NDF: 18.3/18

Left In: 715.453+/-400.954 χ^2/NDF:11.3/6

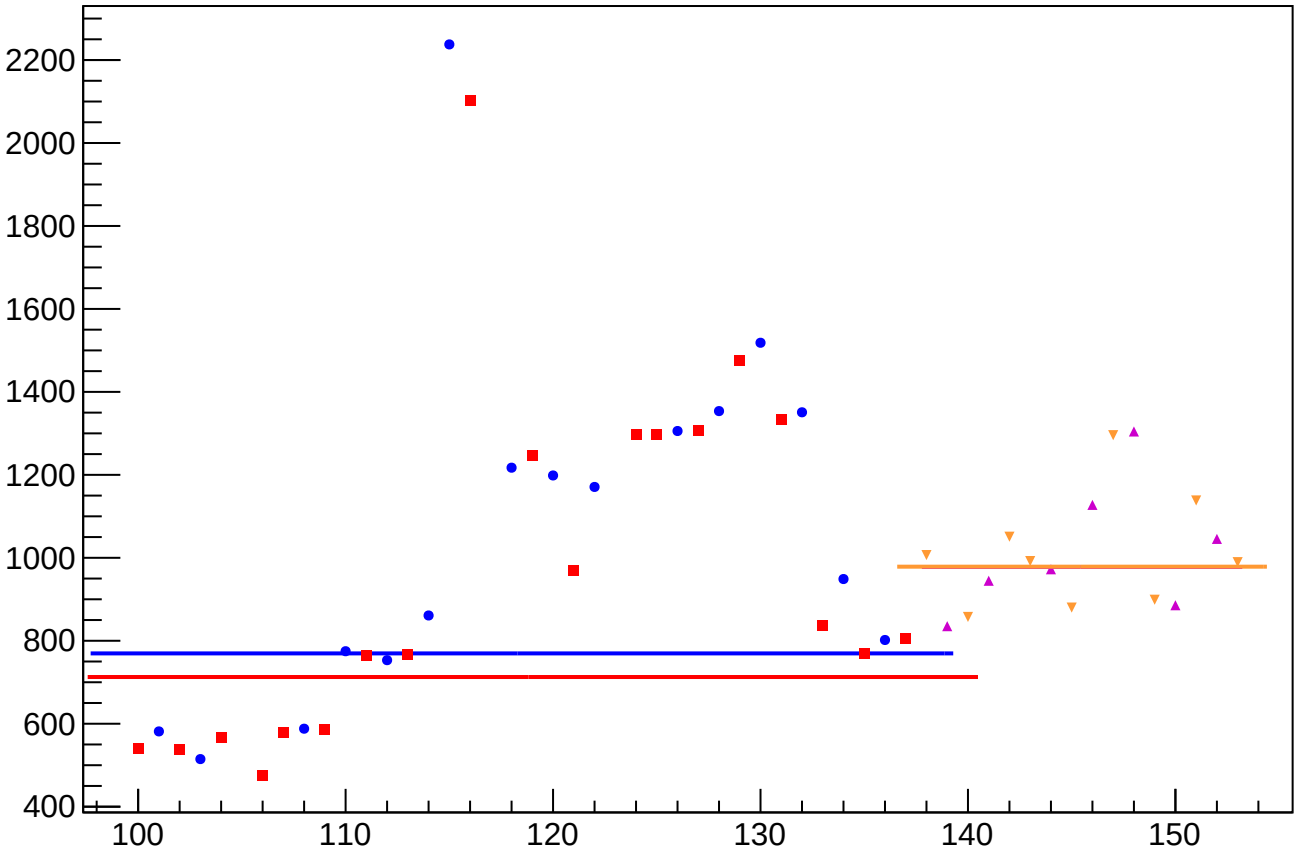
Left: -2.290+/-273.450 χ^2/NDF: 21.7/15

Right: 467.238+/-206.050 χ^2/NDF: 28.4/34

In: 483.575+/-242.914 χ^2/NDF:21.6/22

Out: 139.103+/-223.720 χ^2/NDF:29.2/27

All: 297.193+/-164.562 χ^2/NDF: 51.9/50



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 978.624+/-0.264 χ^2/NDF:201647.8/8

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

Left In: 977.825+/-0.284 χ^2/NDF:210522.5/6

Left: 978.252+/-0.193 χ^2/NDF: 412174.6/15

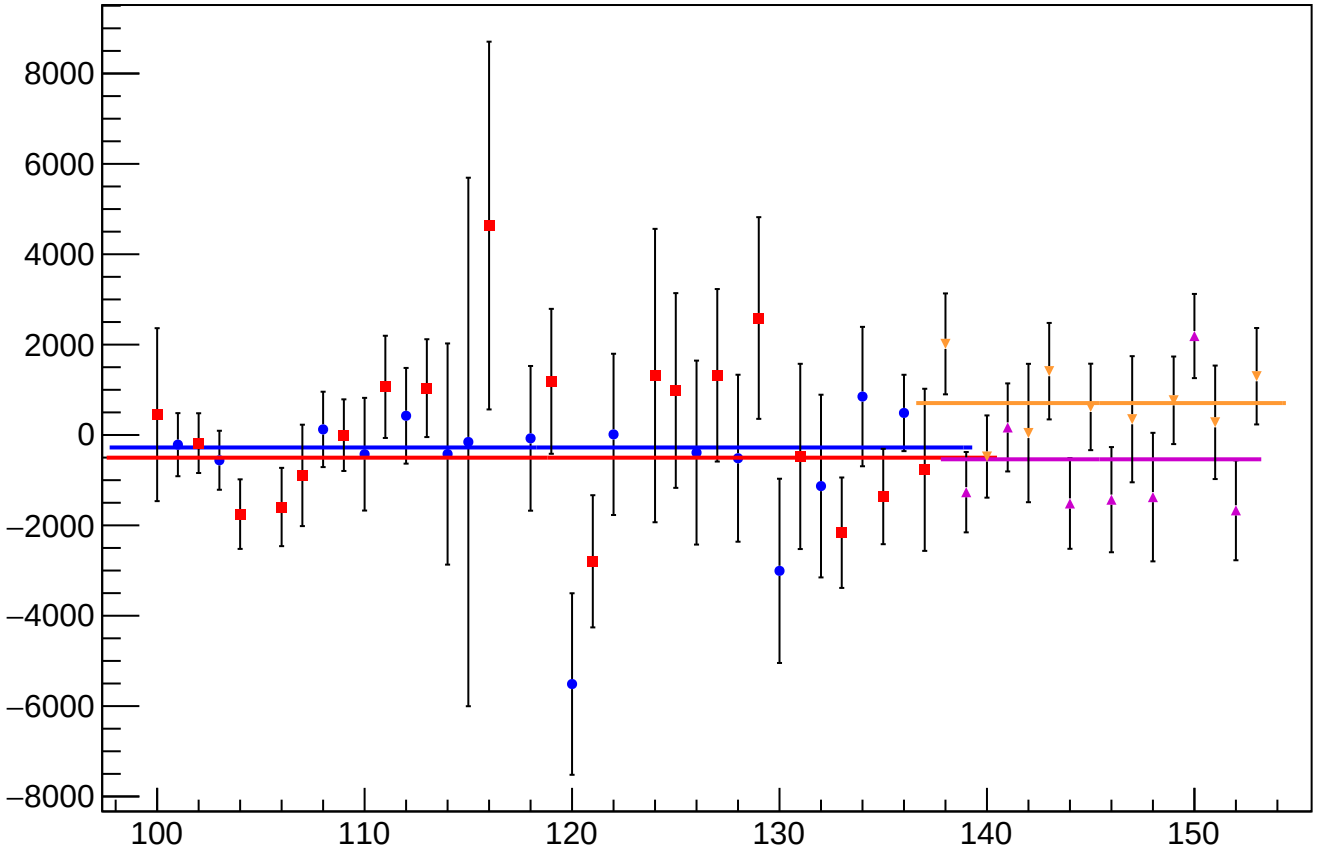
Right: 738.554+/-0.146 χ^2/NDF: 3545017.2/34

In: 846.000+/-0.172 χ^2/NDF:2292013.8/22

Out: 807.860+/-0.158 χ^2/NDF:2618702.8/27

All: 825.364+/-0.116 χ^2/NDF: 4937393.8/50

asym_sam5_mean vs Slug, Sign Corrected



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 706.289+/-365.245 χ^2/NDF:4.2/8

Right Out: -501.985+/-272.991 χ^2/NDF: 20.5/18

Left In: -538.090+/-391.836 χ^2/NDF:12.7/6

Left: 127.751+/-267.174 χ^2/NDF: 22.3/15

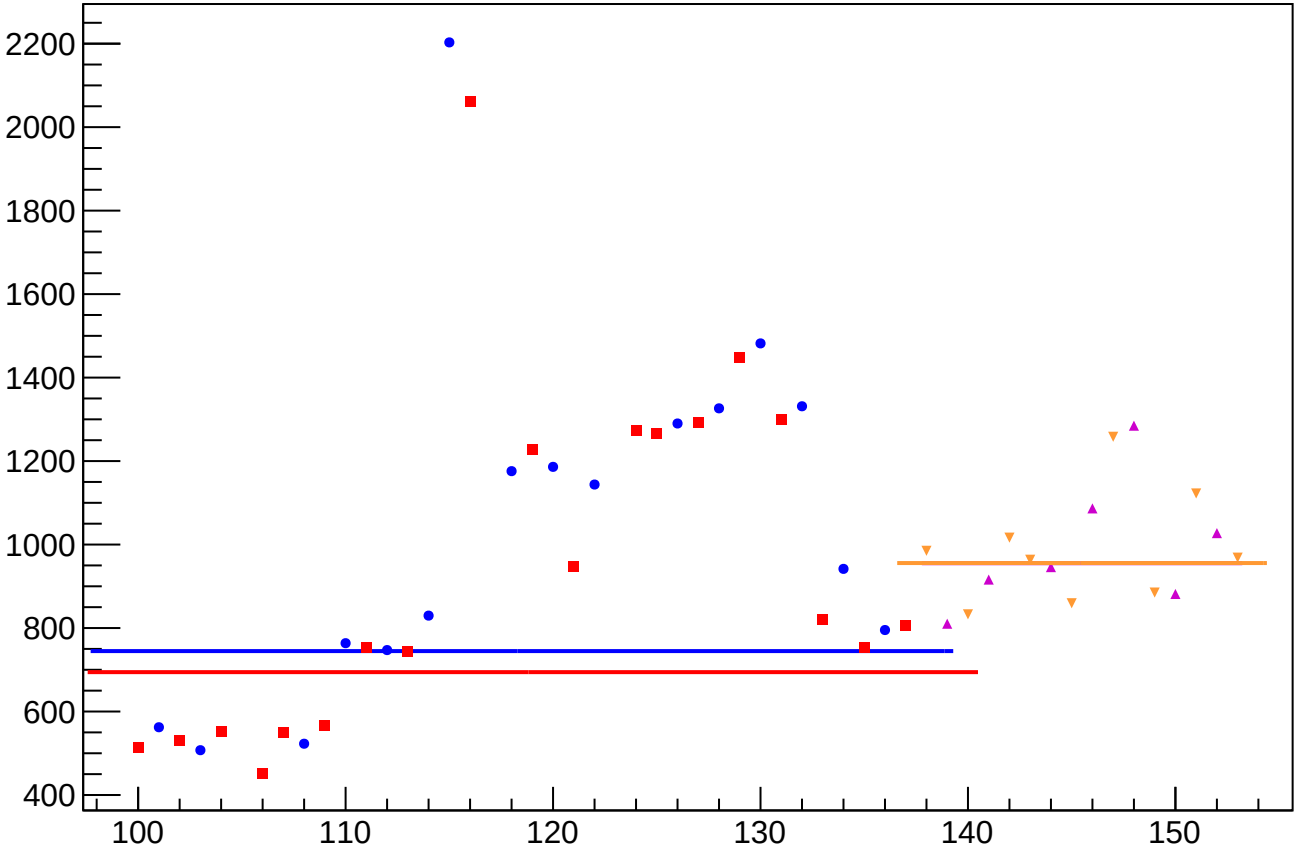
Right: -398.475+/-200.896 χ^2/NDF: 31.9/34

In: -371.640+/-236.544 χ^2/NDF:24.0/22

Out: -68.925+/-218.663 χ^2/NDF:31.7/27

All: -208.410+/-160.568 χ^2/NDF: 56.6/50

asym_sam5_rms vs Slug, Sign Corrected



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 955.703+/-0.258 χ^2/NDF:201514.3/8

Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 955.327+/-0.277 χ^2/NDF:210336.2/6

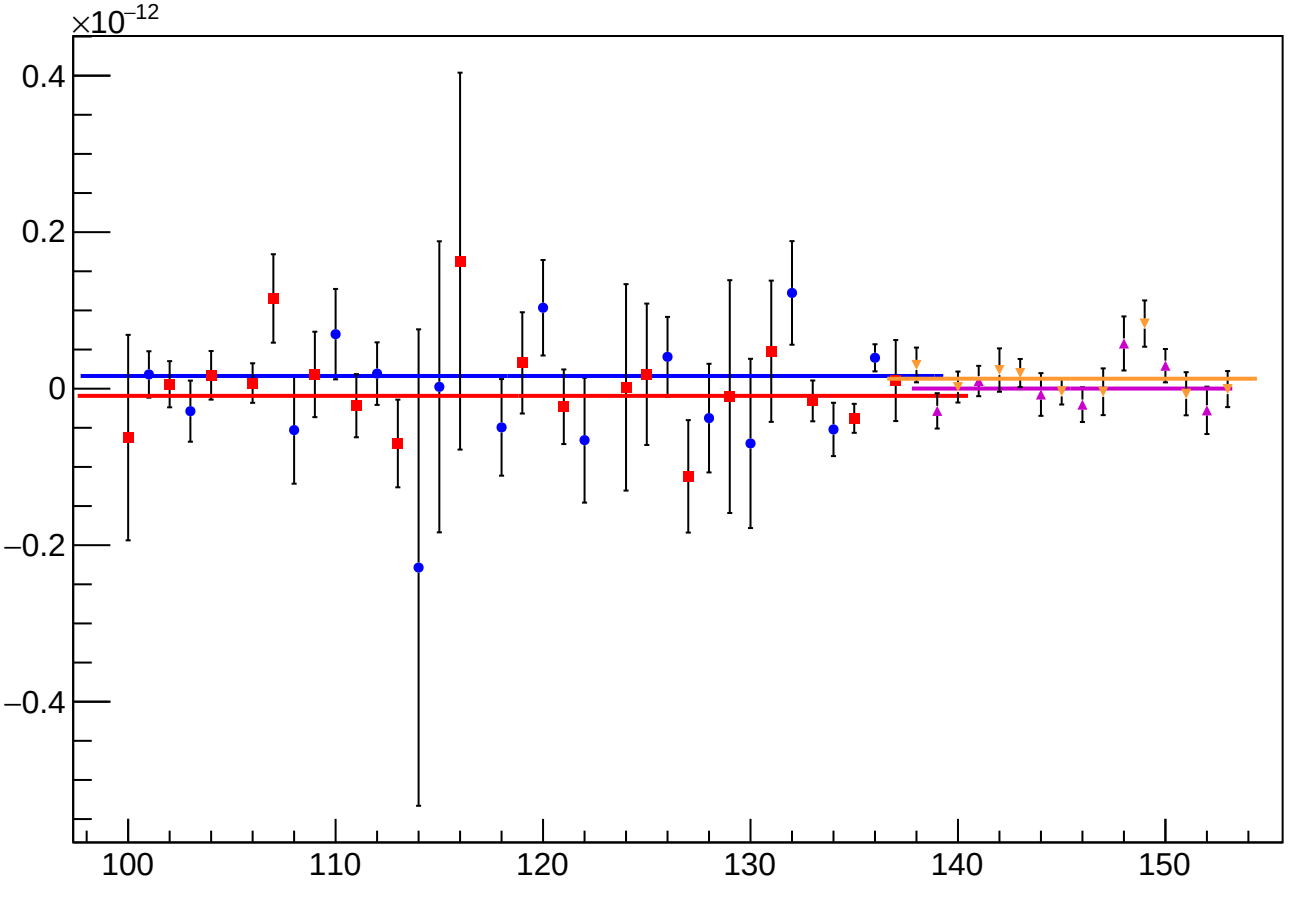
Left: 955.528+/-0.189 χ^2/NDF: 411851.5/15

Right: 717.469+/-0.142 χ^2/NDF: 3657590.2/34

In: 821.511+/-0.167 χ^2/NDF:2399894.9/22

Out: 788.021+/-0.155 χ^2/NDF:2662273.1/27

All: 803.453+/-0.114 χ^2/NDF: 5083786.3/50



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

Left Out: 0.000+/-0.000 χ^2/NDF:9.0/8

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:8.3/6

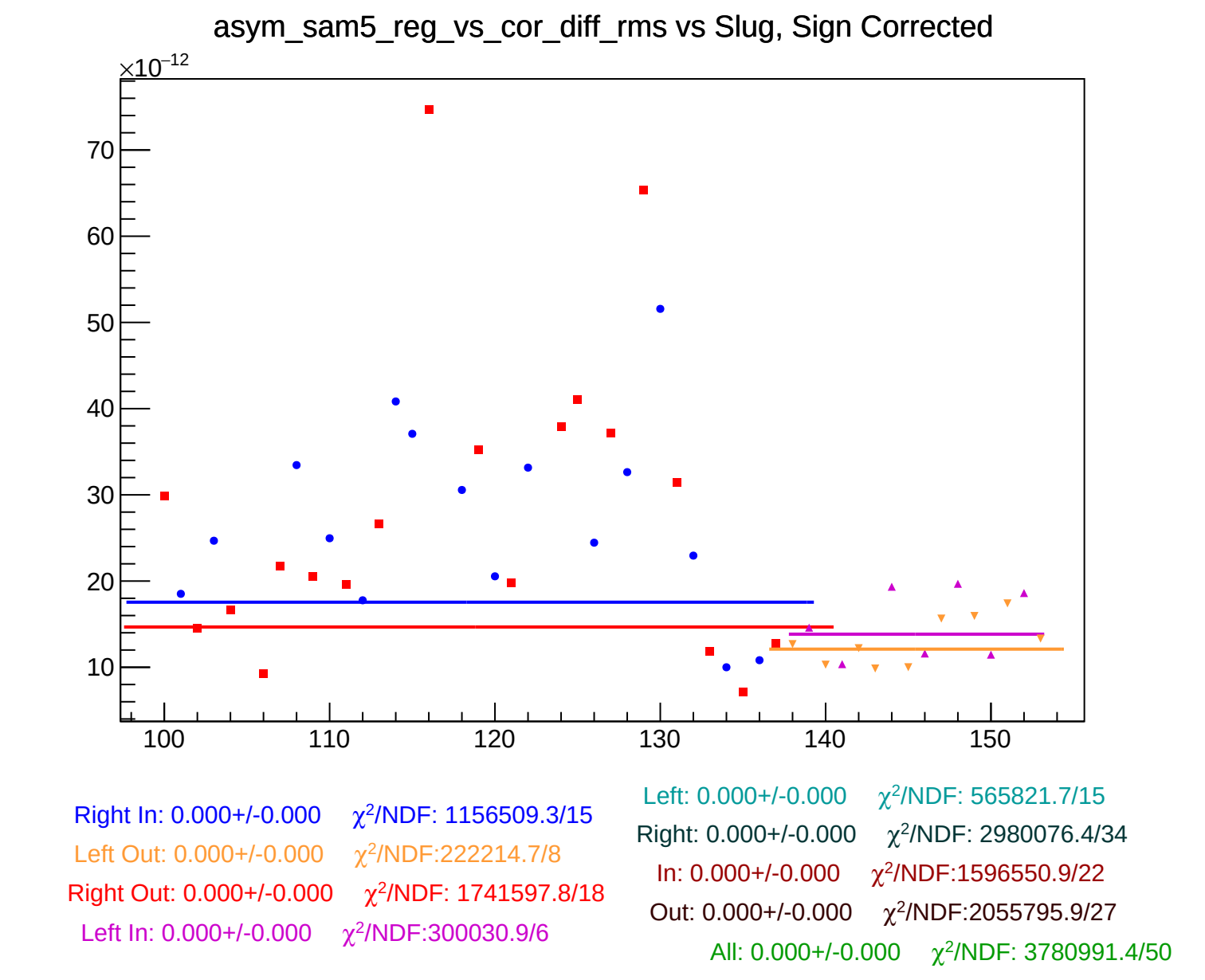
Left: 0.000+/-0.000 χ^2/NDF: 18.4/15

Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: 0.000+/-0.000 χ^2/NDF:27.6/22

Out: 0.000+/-0.000 χ^2/NDF:26.4/27

All: 0.000+/-0.000 χ^2/NDF: 54.1/50


asym_sam5_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
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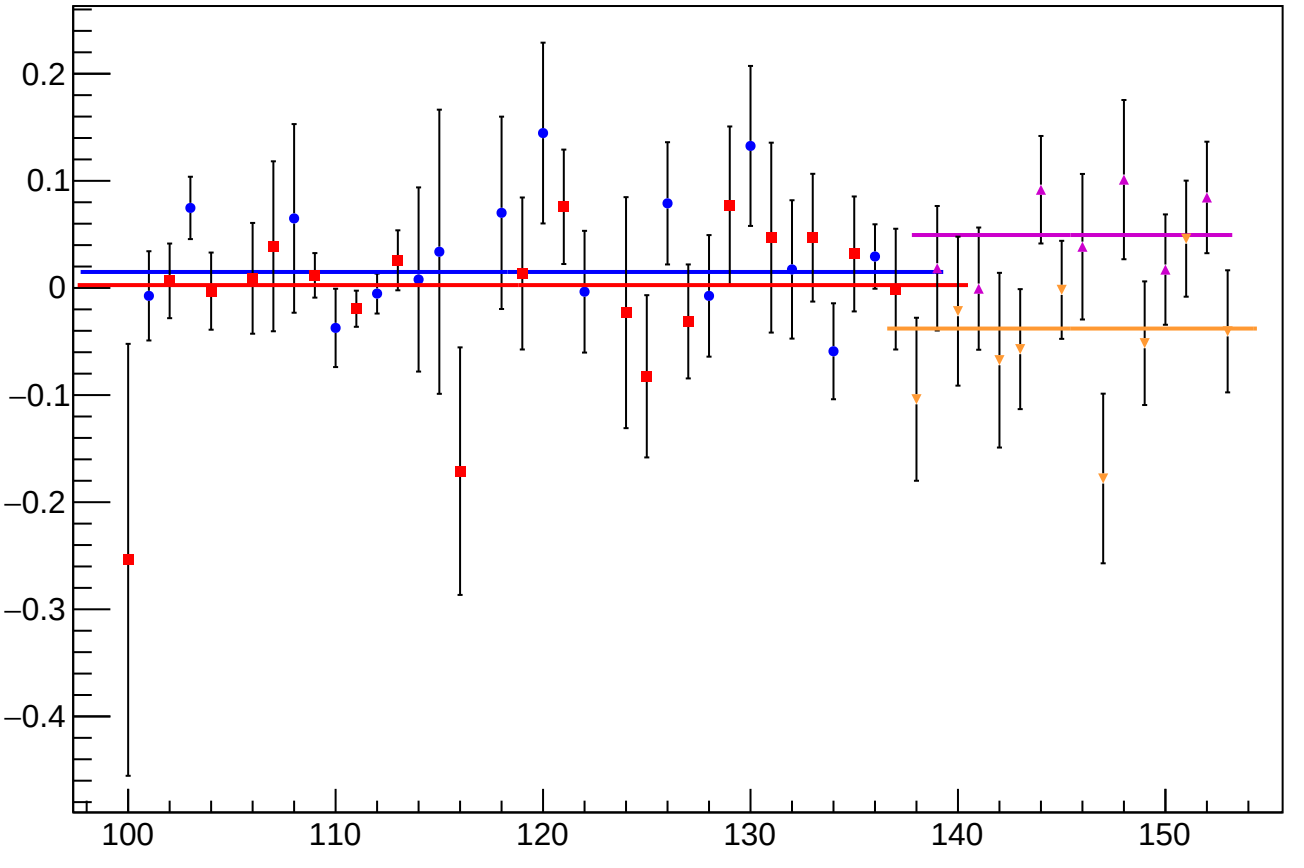
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1156509.3/15
Left Out: 0.000+/-0.000 χ²/NDF:222214.7/8
Right Out: 0.000+/-0.000 χ²/NDF: 1741597.8/18
Left In: 0.000+/-0.000 χ²/NDF:300030.9/6
Left: 0.000+/-0.000 χ²/NDF: 565821.7/15
Right: 0.000+/-0.000 χ²/NDF: 2980076.4/34
In: 0.000+/-0.000 χ²/NDF:1596550.9/22
Out: 0.000+/-0.000 χ²/NDF:2055795.9/27
All: 0.000+/-0.000 χ²/NDF: 3780991.4/50



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.038+/-0.020 χ^2/NDF:7.3/8

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.049+/-0.022 χ^2/NDF:3.1/6

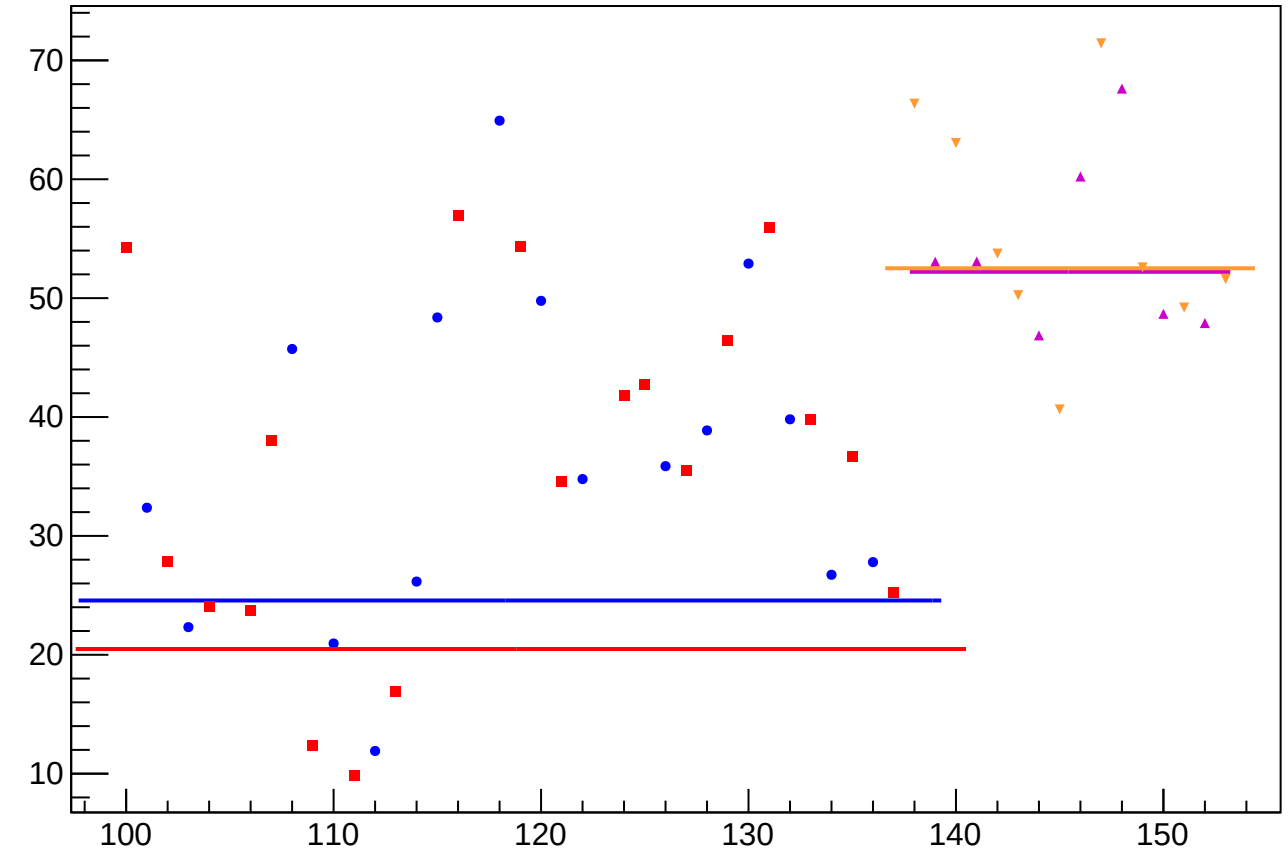
Left: 0.003+/-0.015 χ^2/NDF: 19.1/15

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.022+/-0.010 χ^2/NDF:23.0/22

Out: -0.004+/-0.008 χ^2/NDF:23.0/27

All: 0.007+/-0.006 χ^2/NDF: 50.2/50



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 52.511+/-0.014 χ^2/NDF:372689.4/8

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 52.214+/-0.015 χ^2/NDF:160489.4/6

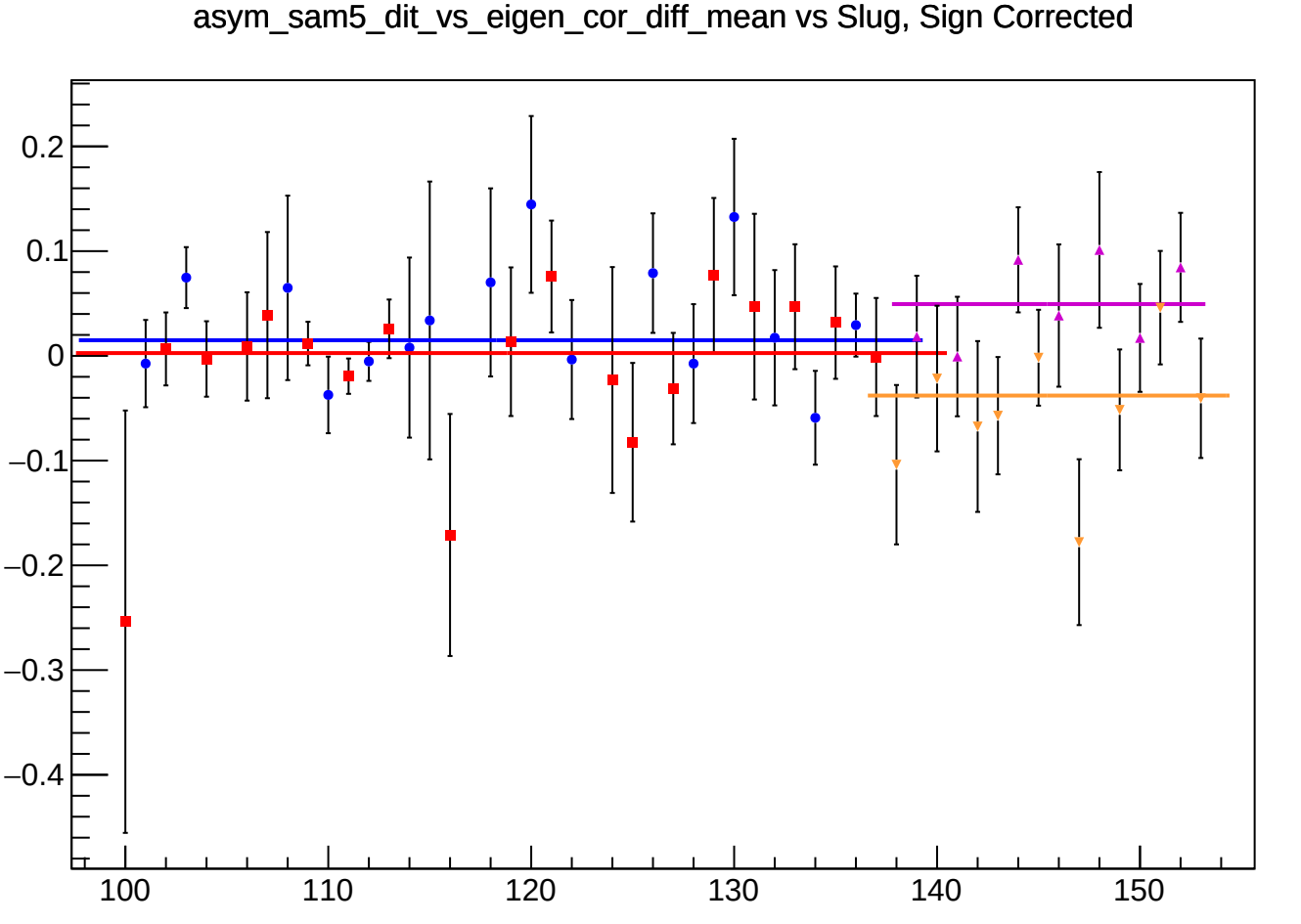
Left: 52.372+/-0.010 χ^2/NDF: 533380.2/15

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 29.922+/-0.007 χ^2/NDF:5287371.3/22

Out: 25.985+/-0.006 χ^2/NDF:8092563.9/27

All: 27.710+/-0.004 χ^2/NDF: 13572694.7/50



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.038+/-0.020 χ^2/NDF:7.3/8

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.049+/-0.022 χ^2/NDF:3.1/6

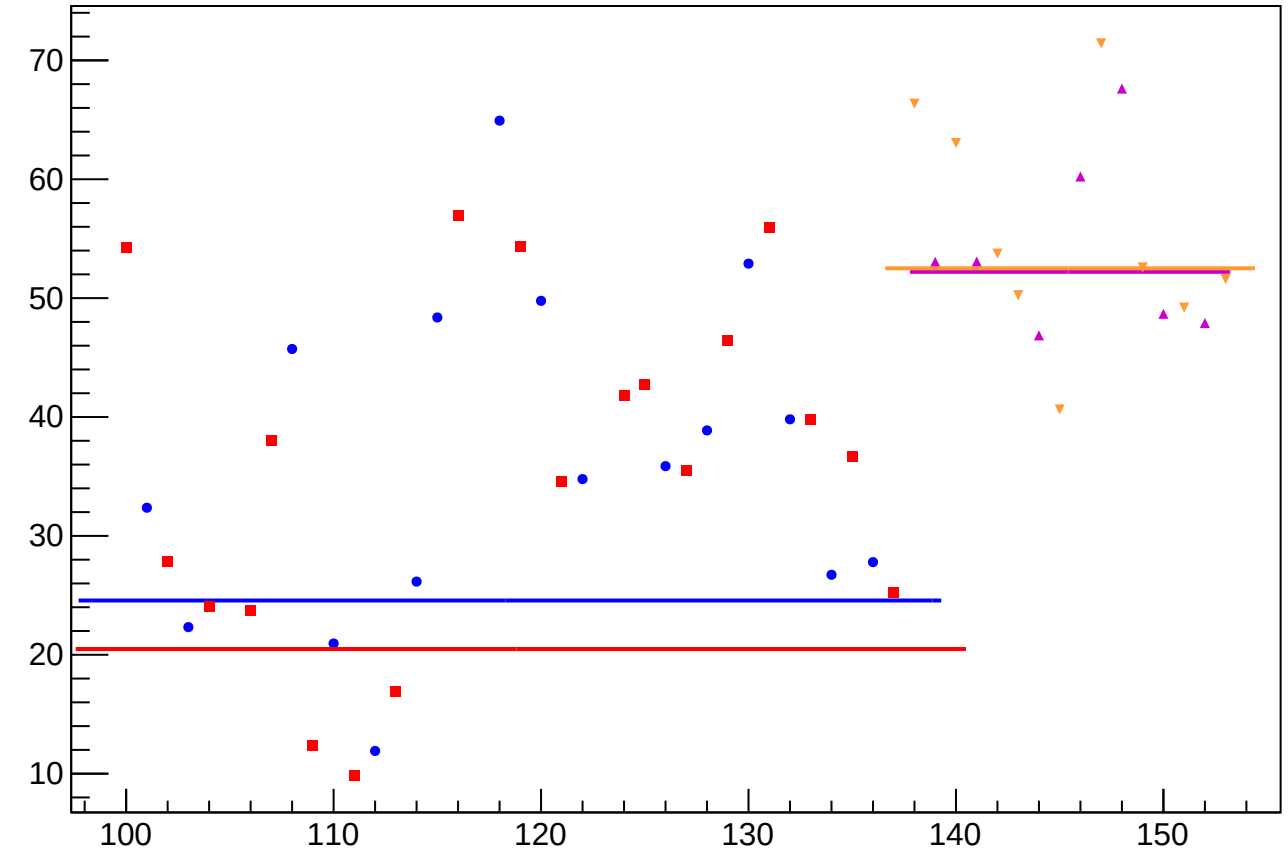
Left: 0.003+/-0.015 χ^2/NDF: 19.1/15

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.022+/-0.010 χ^2/NDF:23.0/22

Out: -0.004+/-0.008 χ^2/NDF:23.0/27

All: 0.007+/-0.006 χ^2/NDF: 50.2/50



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 52.511+/-0.014 χ^2/NDF:372689.4/8

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 52.214+/-0.015 χ^2/NDF:160489.4/6

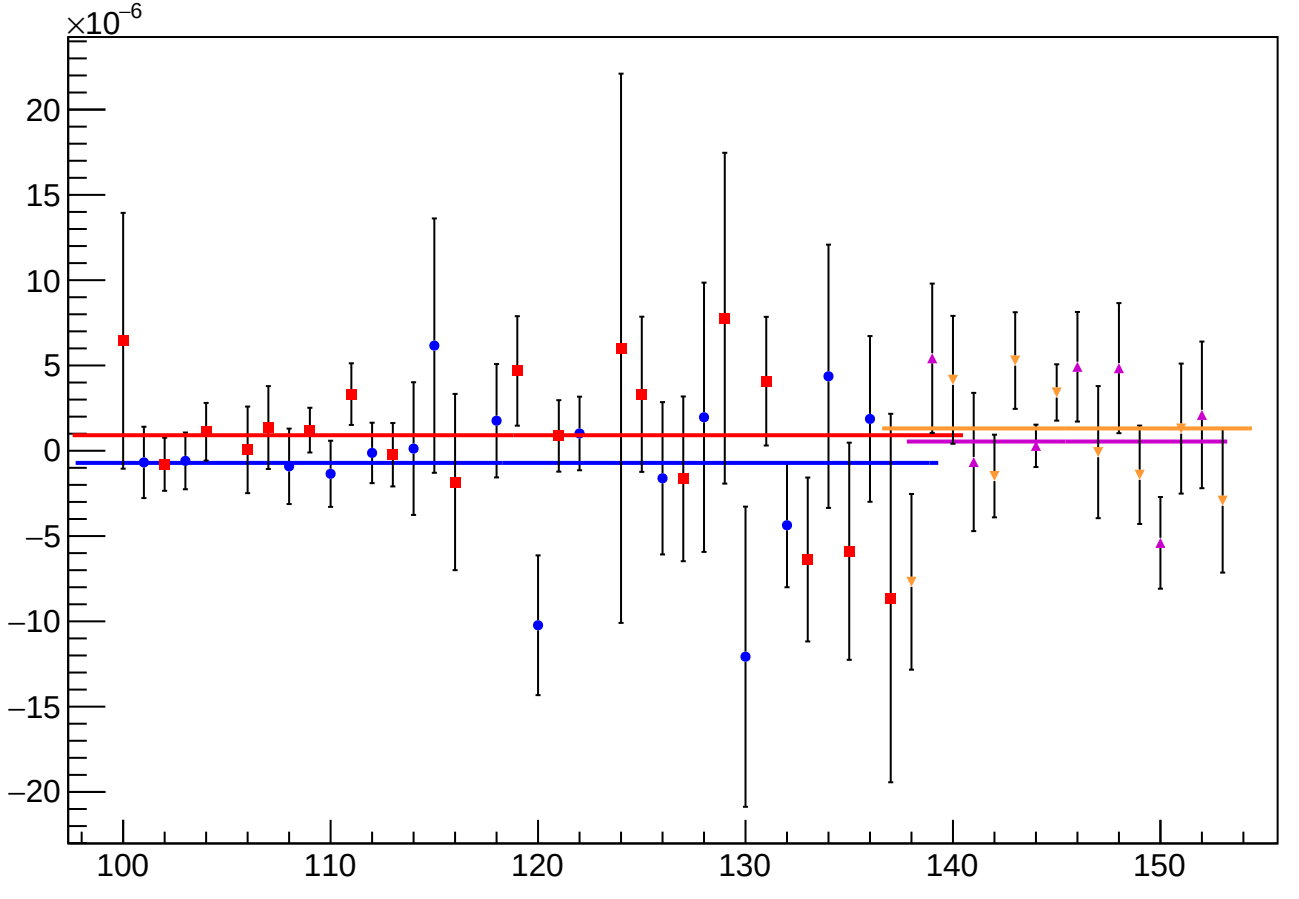
Left: 52.372+/-0.010 χ^2/NDF: 533380.2/15

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 29.922+/-0.007 χ^2/NDF:5287371.3/22

Out: 25.985+/-0.006 χ^2/NDF:8092563.9/27

All: 27.710+/-0.004 χ^2/NDF: 13572694.7/50



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/8

Right Out: 0.000+/-0.000 χ^2/NDF: 11.9/18

Left In: 0.000+/-0.000 χ^2/NDF:9.5/6

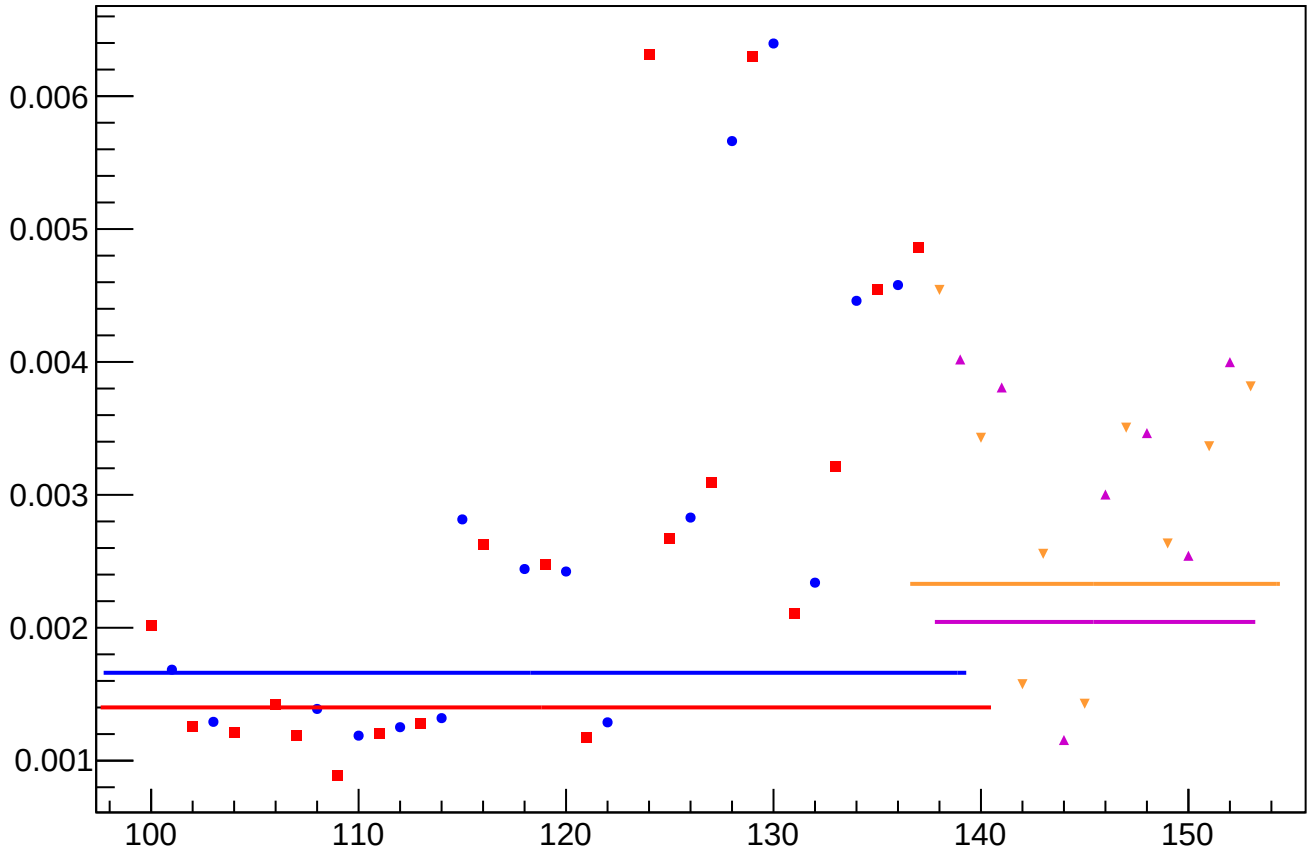
Left: 0.000+/-0.000 χ^2/NDF: 20.4/15

Right: 0.000+/-0.000 χ^2/NDF: 26.3/34

In: -0.000+/-0.000 χ^2/NDF:21.9/22

Out: 0.000+/-0.000 χ^2/NDF:22.6/27

All: 0.000+/-0.000 χ^2/NDF: 47.4/50



Right In: 0.002+/-0.000 χ^2/NDF: 2942035.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1947919.0/8

Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

Left In: 0.002+/-0.000 χ^2/NDF:2748269.3/6

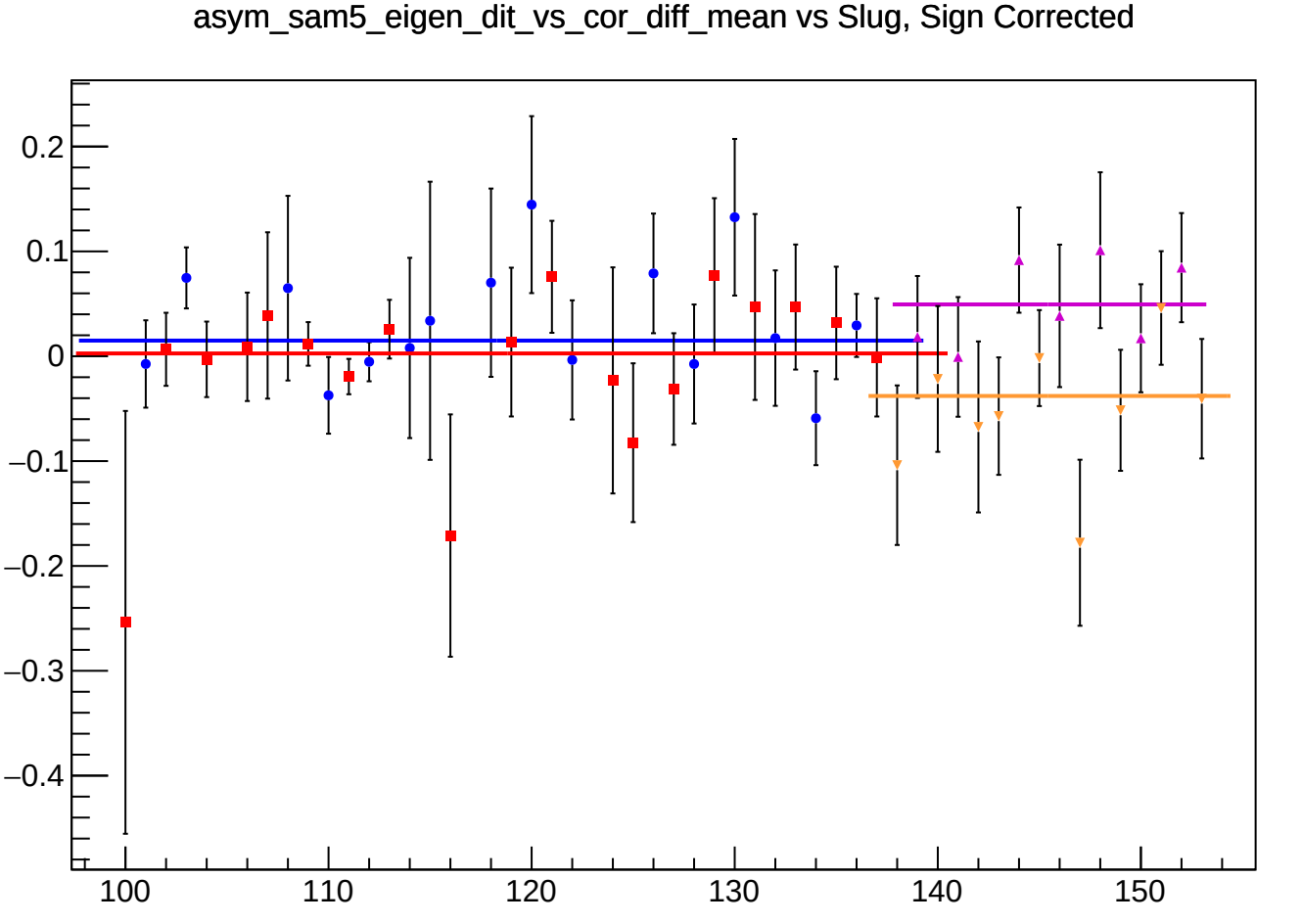
Left: 0.002+/-0.000 χ^2/NDF: 4786605.1/15

Right: 0.002+/-0.000 χ^2/NDF: 6020323.5/34

In: 0.002+/-0.000 χ^2/NDF:5902002.4/22

Out: 0.002+/-0.000 χ^2/NDF:6226269.5/27

All: 0.002+/-0.000 χ^2/NDF: 12200398.0/50



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.038+/-0.020 χ^2/NDF:7.3/8

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.049+/-0.022 χ^2/NDF:3.1/6

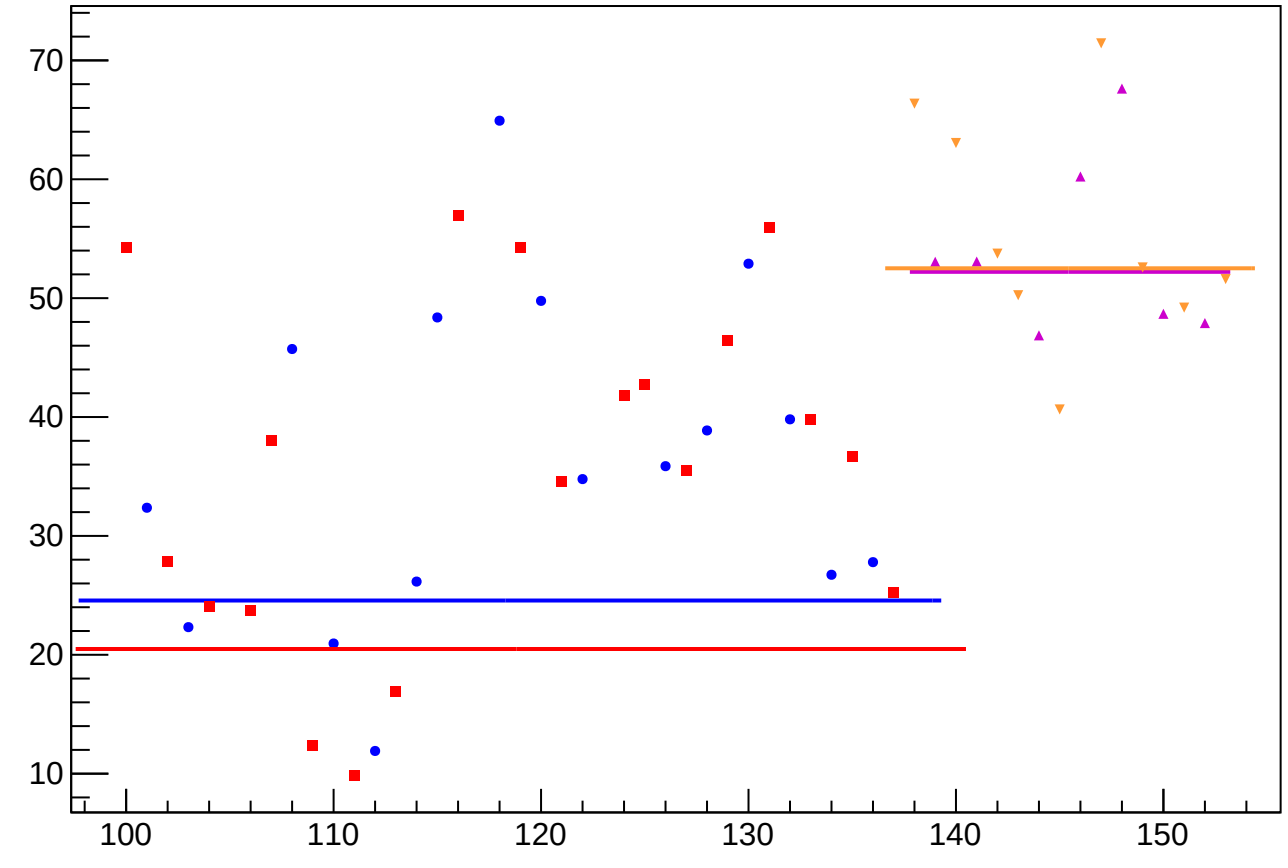
Left: 0.003+/-0.015 χ^2/NDF: 19.1/15

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.022+/-0.010 χ^2/NDF:23.0/22

Out: -0.004+/-0.008 χ^2/NDF:23.0/27

All: 0.007+/-0.006 χ^2/NDF: 50.2/50



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 52.512+/-0.014 χ^2/NDF:372745.8/8

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 52.215+/-0.015 χ^2/NDF:160520.5/6

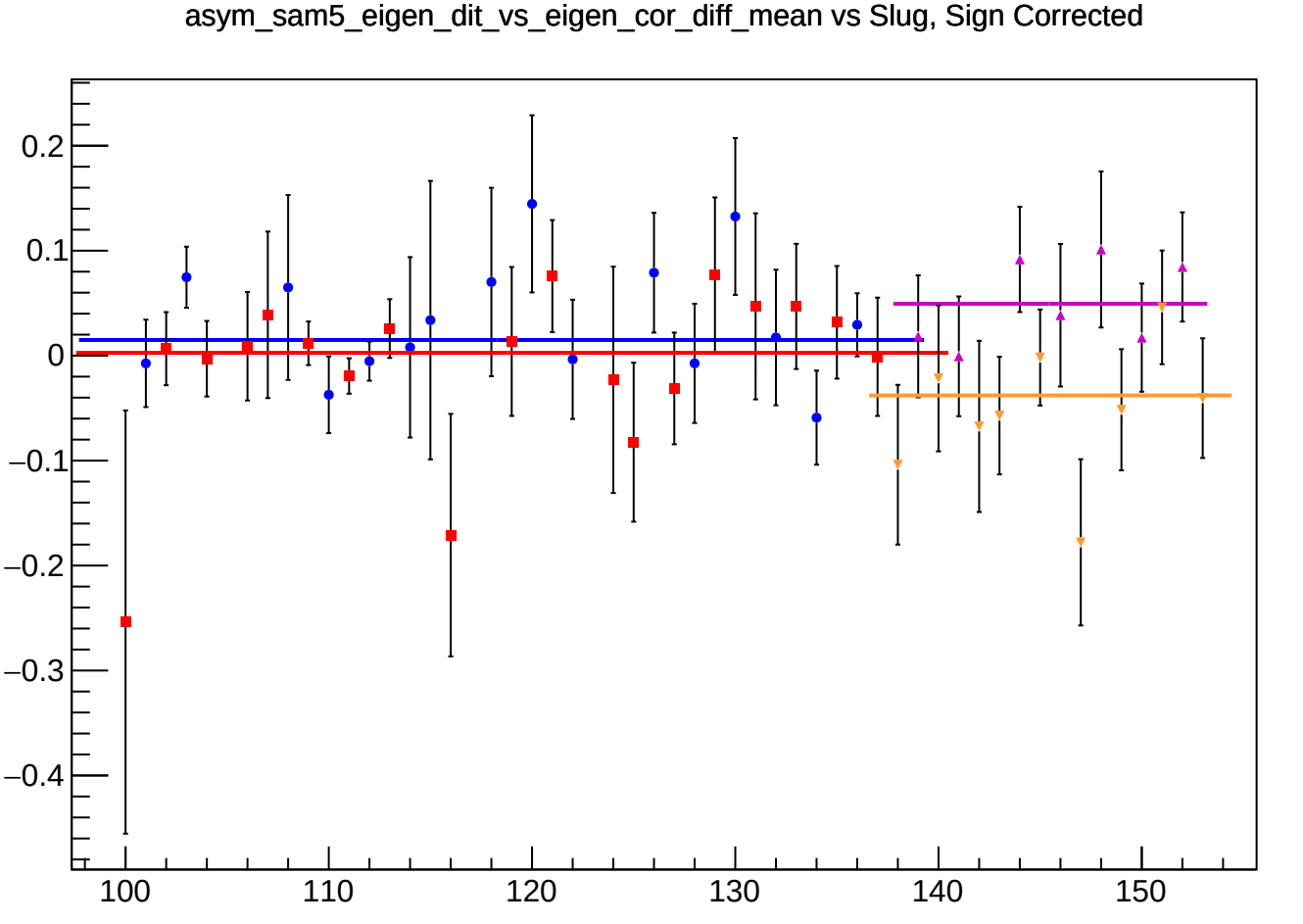
Left: 52.373+/-0.010 χ^2/NDF: 533467.3/15

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 29.922+/-0.007 χ^2/NDF:5287519.9/22

Out: 25.984+/-0.006 χ^2/NDF:8092789.2/27

All: 27.710+/-0.004 χ^2/NDF: 13573082.6/50



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.038+/-0.020 χ^2/NDF:7.3/8

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.049+/-0.022 χ^2/NDF:3.1/6

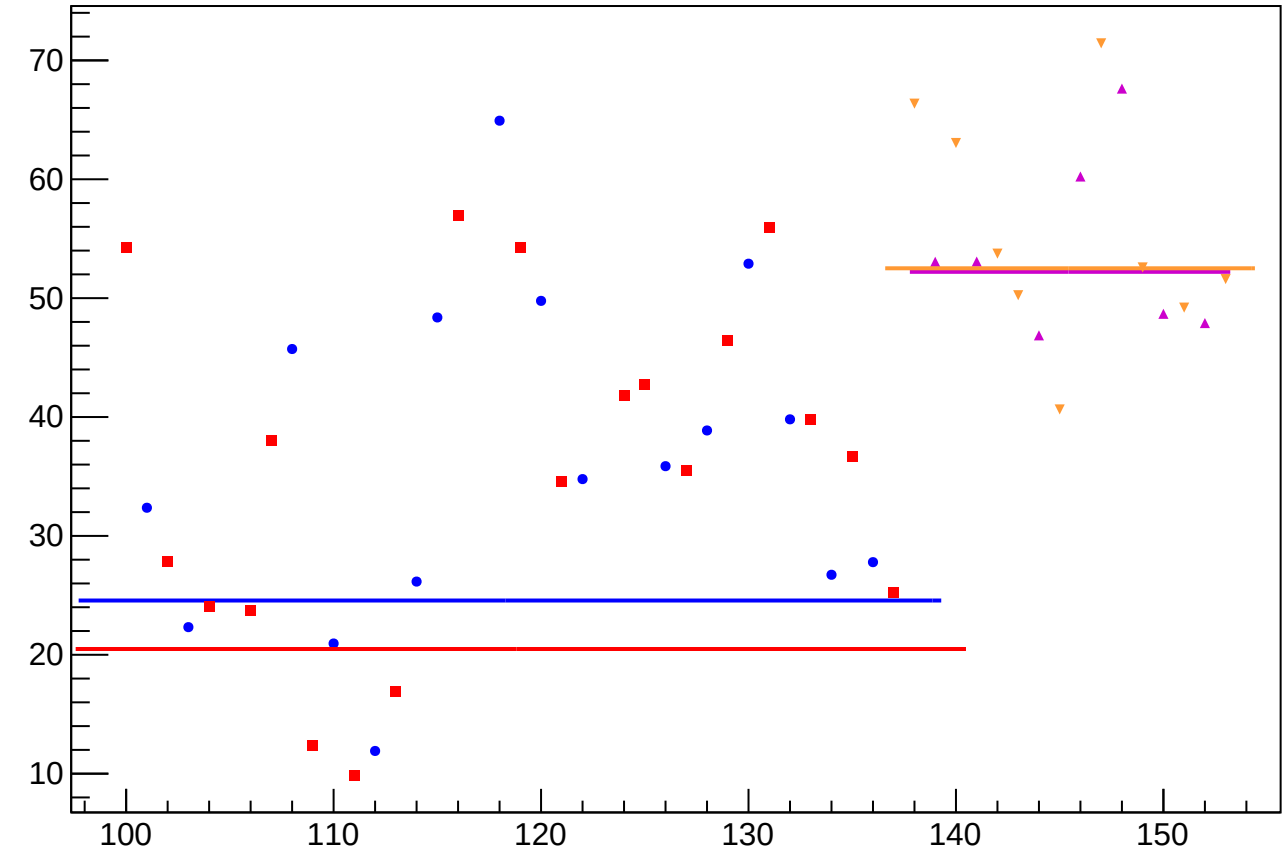
Left: 0.003+/-0.015 χ^2/NDF: 19.1/15

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.022+/-0.010 χ^2/NDF:23.0/22

Out: -0.004+/-0.008 χ^2/NDF:23.0/27

All: 0.007+/-0.006 χ^2/NDF: 50.2/50



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 52.512+/-0.014 χ^2/NDF:372745.8/8

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 52.215+/-0.015 χ^2/NDF:160520.5/6

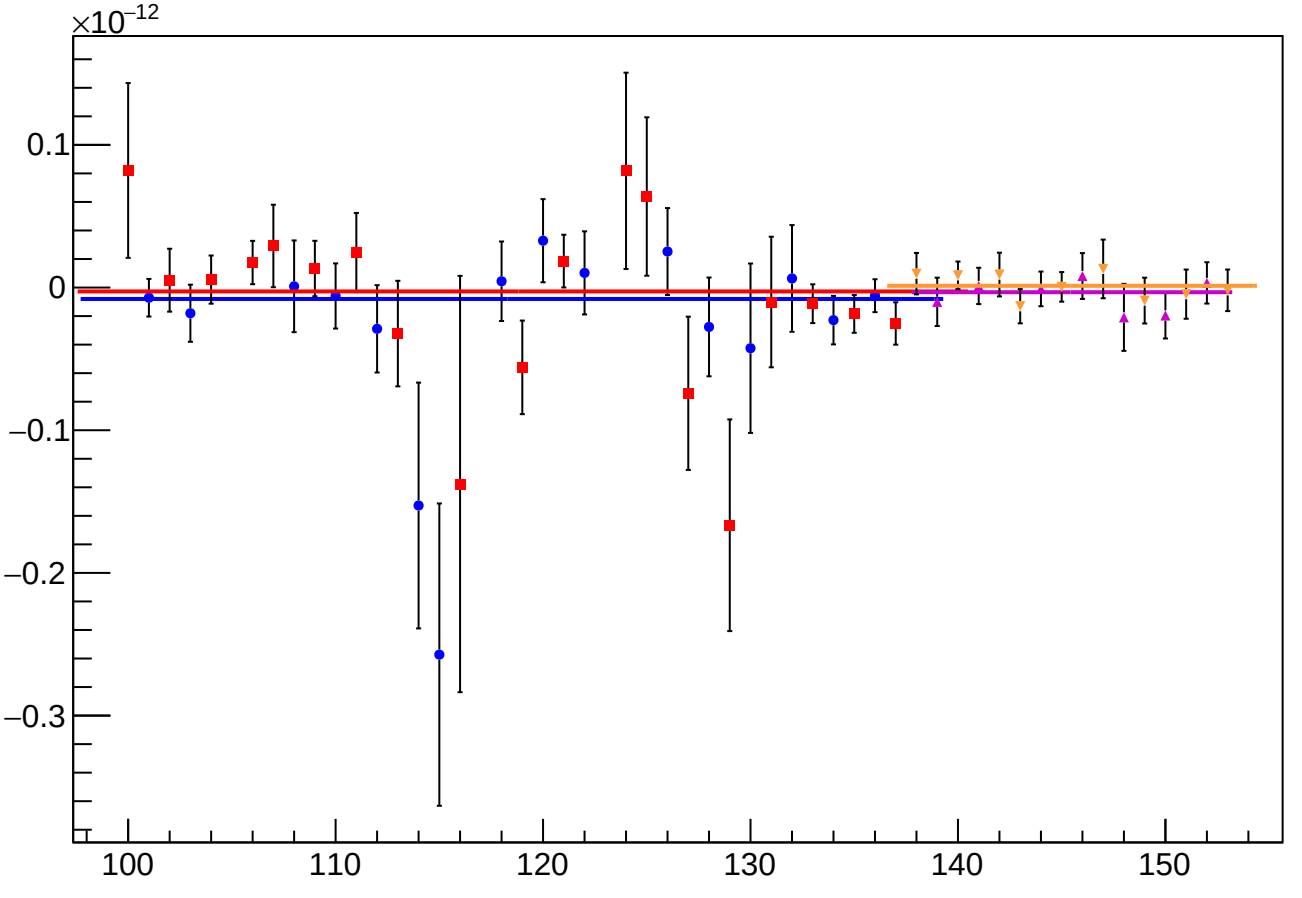
Left: 52.373+/-0.010 χ^2/NDF: 533467.3/15

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 29.922+/-0.007 χ^2/NDF:5287519.9/22

Out: 25.984+/-0.006 χ^2/NDF:8092789.2/27

All: 27.710+/-0.004 χ^2/NDF: 13573082.6/50



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.5/8

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/18

Left In: -0.000+/-0.000 χ^2/NDF:2.6/6

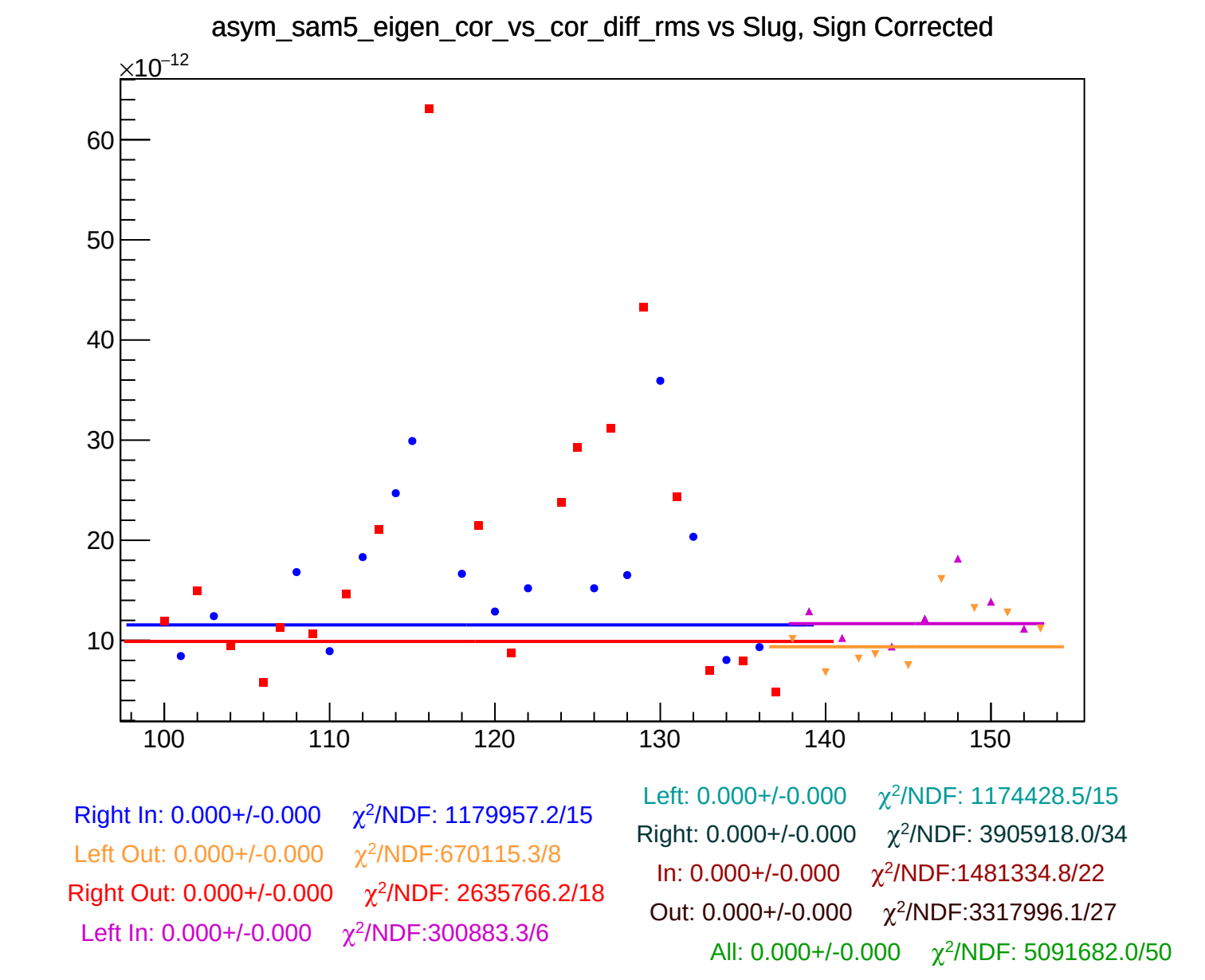
Left: -0.000+/-0.000 χ^2/NDF: 6.5/15

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

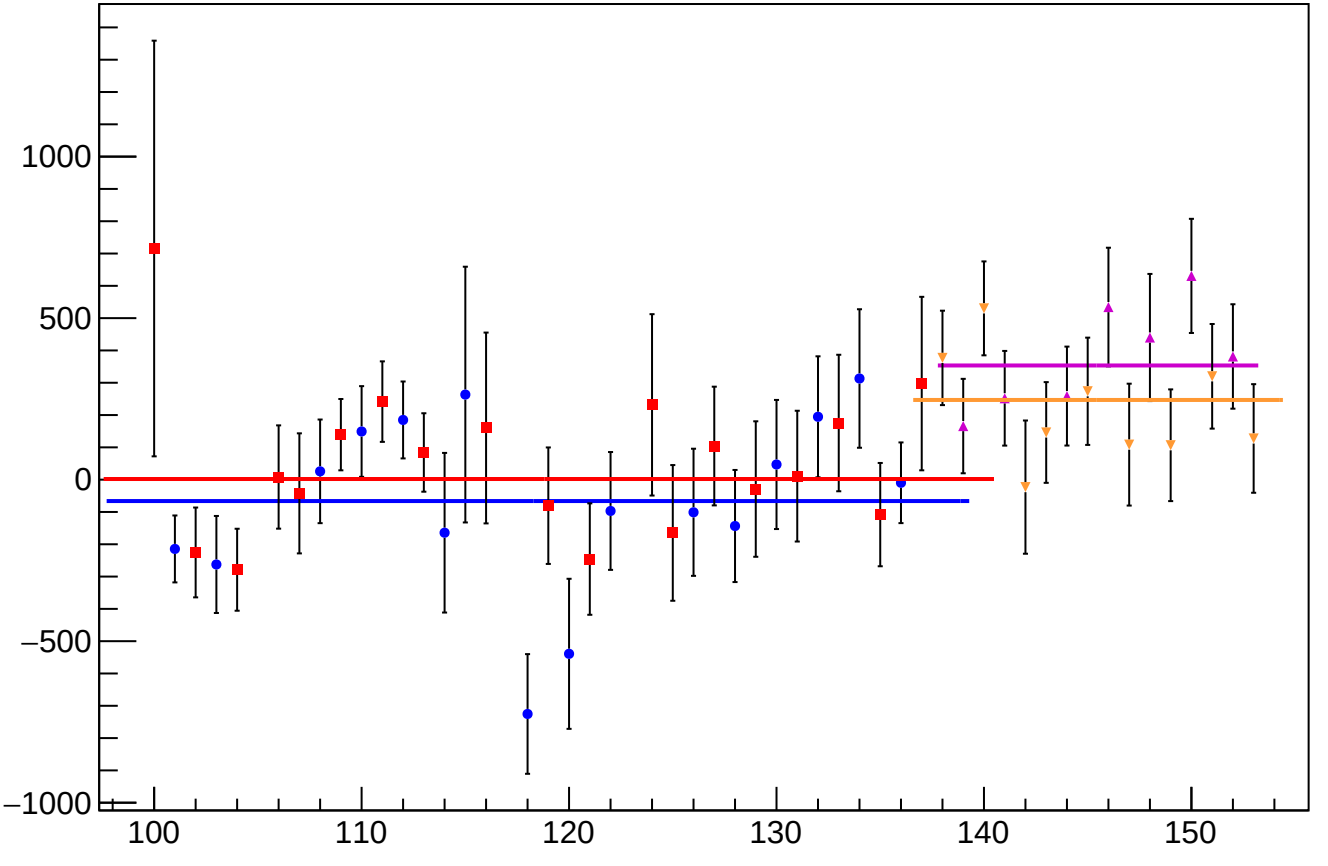
In: -0.000+/-0.000 χ^2/NDF:17.5/22

Out: -0.000+/-0.000 χ^2/NDF:29.9/27

All: -0.000+/-0.000 χ^2/NDF: 48.4/50


asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1179957.2/15
Left Out: 0.000+/-0.000 χ²/NDF:670115.3/8
Right Out: 0.000+/-0.000 χ²/NDF: 2635766.2/18
Left In: 0.000+/-0.000 χ²/NDF:300883.3/6
Left: 0.000+/-0.000 χ²/NDF: 1174428.5/15
Right: 0.000+/-0.000 χ²/NDF: 3905918.0/34
In: 0.000+/-0.000 χ²/NDF:1481334.8/22
Out: 0.000+/-0.000 χ²/NDF:3317996.1/27
All: 0.000+/-0.000 χ²/NDF: 5091682.0/50

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 246.728+/-55.035 χ^2/NDF:8.7/8

Right Out: 2.017+/-38.866 χ^2/NDF: 21.1/18

Left In: 353.489+/-61.806 χ^2/NDF:6.2/6

Left: 293.942+/-41.102 χ^2/NDF: 16.5/15

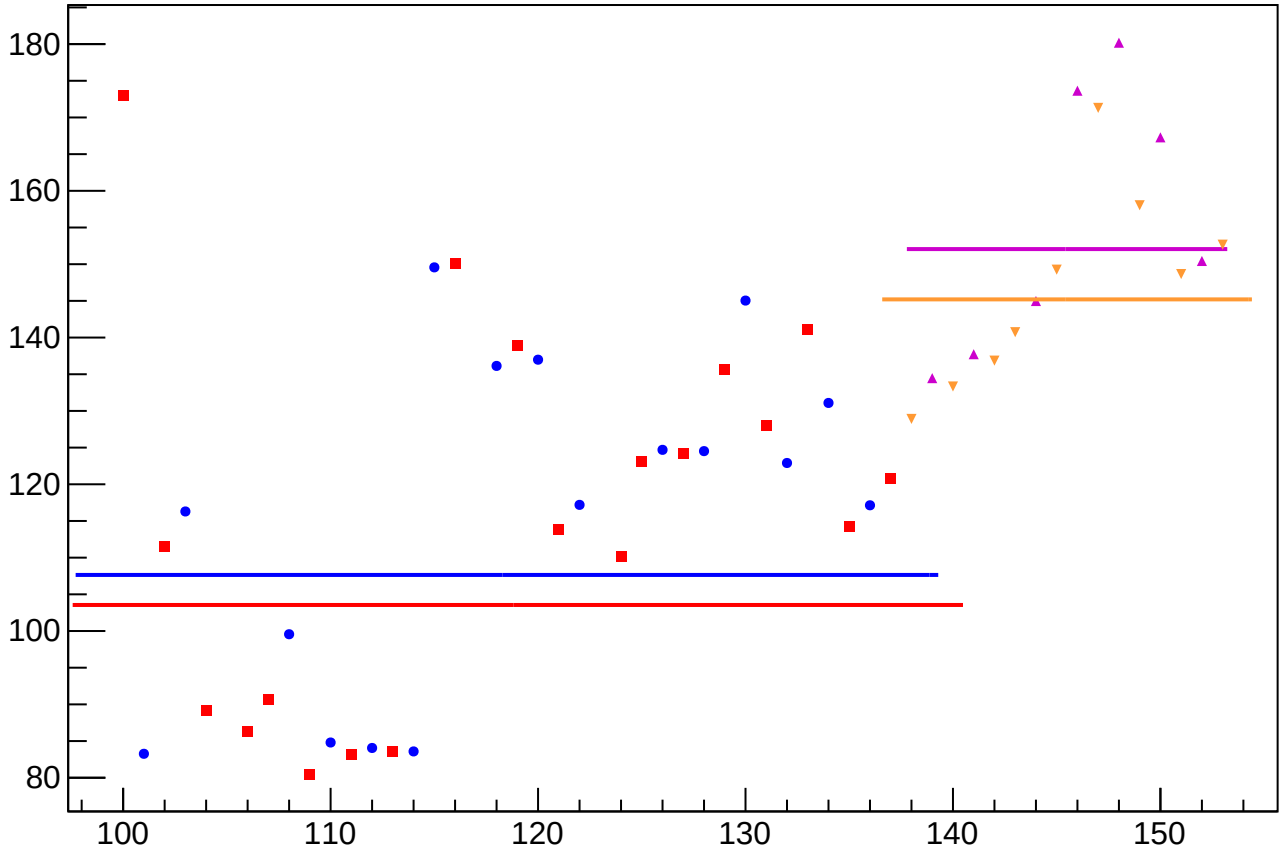
Right: -30.337+/-28.186 χ^2/NDF: 57.0/34

In: 61.755+/-34.130 χ^2/NDF:72.6/22

Out: 83.450+/-31.748 χ^2/NDF:43.0/27

All: 73.385+/-23.245 χ^2/NDF: 115.8/50

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 145.203+/-0.039 χ^2/NDF:98470.9/8

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

Left In: 152.060+/-0.044 χ^2/NDF:135931.6/6

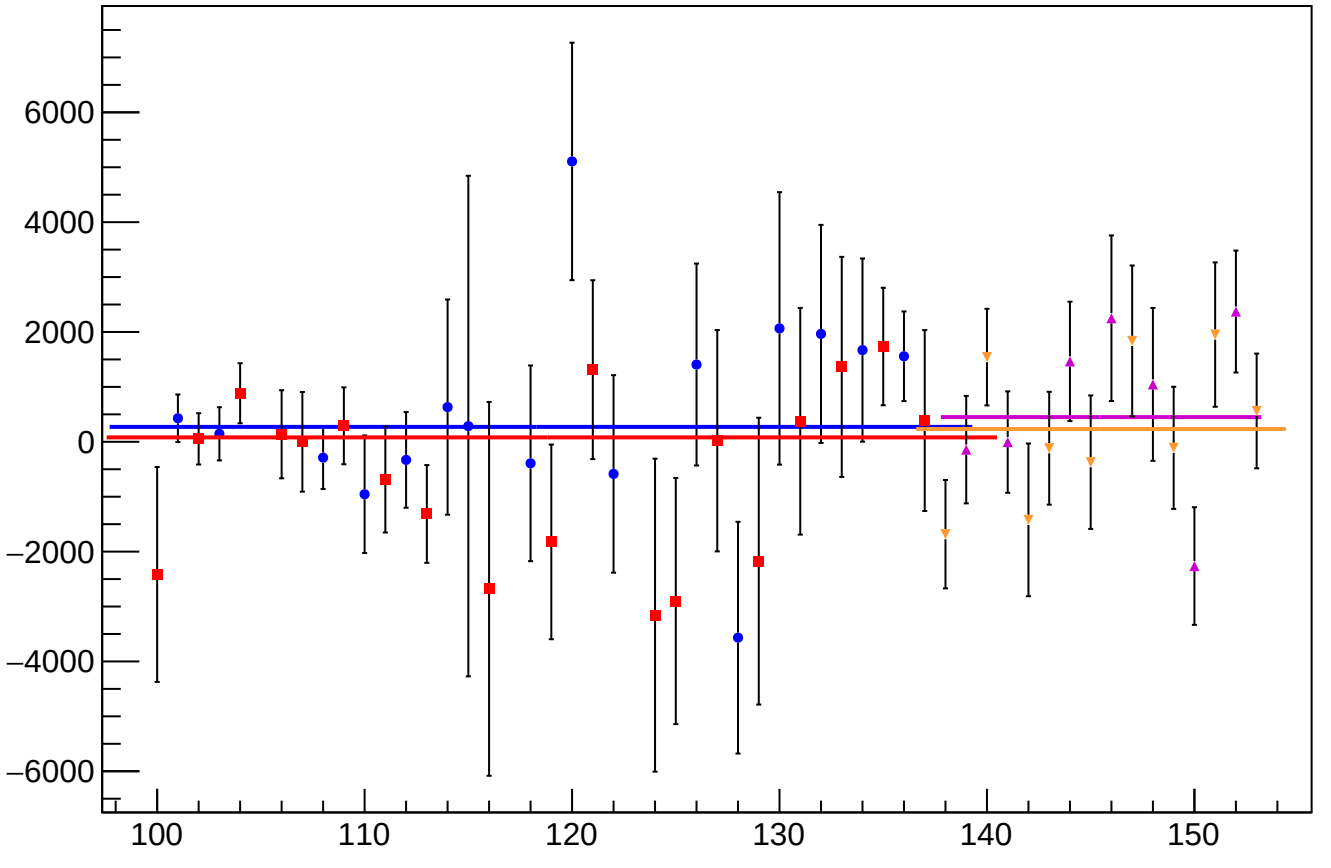
Left: 148.235+/-0.029 χ^2/NDF: 248133.7/15

Right: 105.491+/-0.020 χ^2/NDF: 1160688.9/34

In: 121.188+/-0.024 χ^2/NDF:1386667.2/22

Out: 117.411+/-0.022 χ^2/NDF:1480215.6/27

All: 119.163+/-0.016 χ^2/NDF: 2880015.4/50



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: 232.664+/-370.293 χ^2/NDF:11.0/8

Right Out: 80.094+/-232.154 χ^2/NDF: 16.0/18

Left In: 449.753+/-418.832 χ^2/NDF:12.5/6

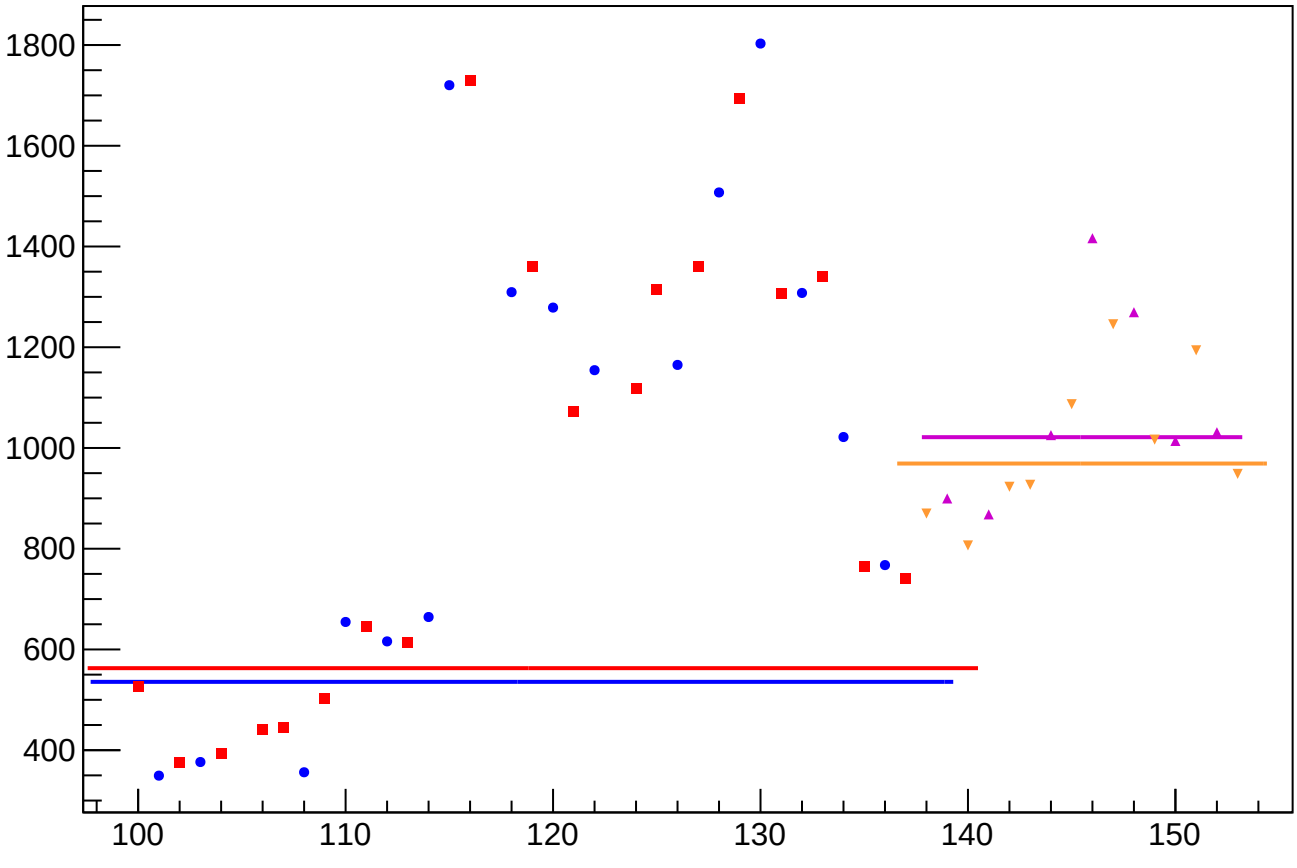
Left: 327.906+/-277.418 χ^2/NDF: 23.7/15

Right: 176.417+/-163.628 χ^2/NDF: 32.8/34

In: 312.986+/-202.048 χ^2/NDF:29.1/22

Out: 123.143+/-196.694 χ^2/NDF:27.2/27

All: 215.516+/-140.939 χ^2/NDF: 56.7/50



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 969.103+/-0.262 χ^2/NDF:256818.4/8

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

Left In: 1021.451+/-0.296 χ^2/NDF:286988.2/6

Left: 992.069+/-0.196 χ^2/NDF: 561342.7/15

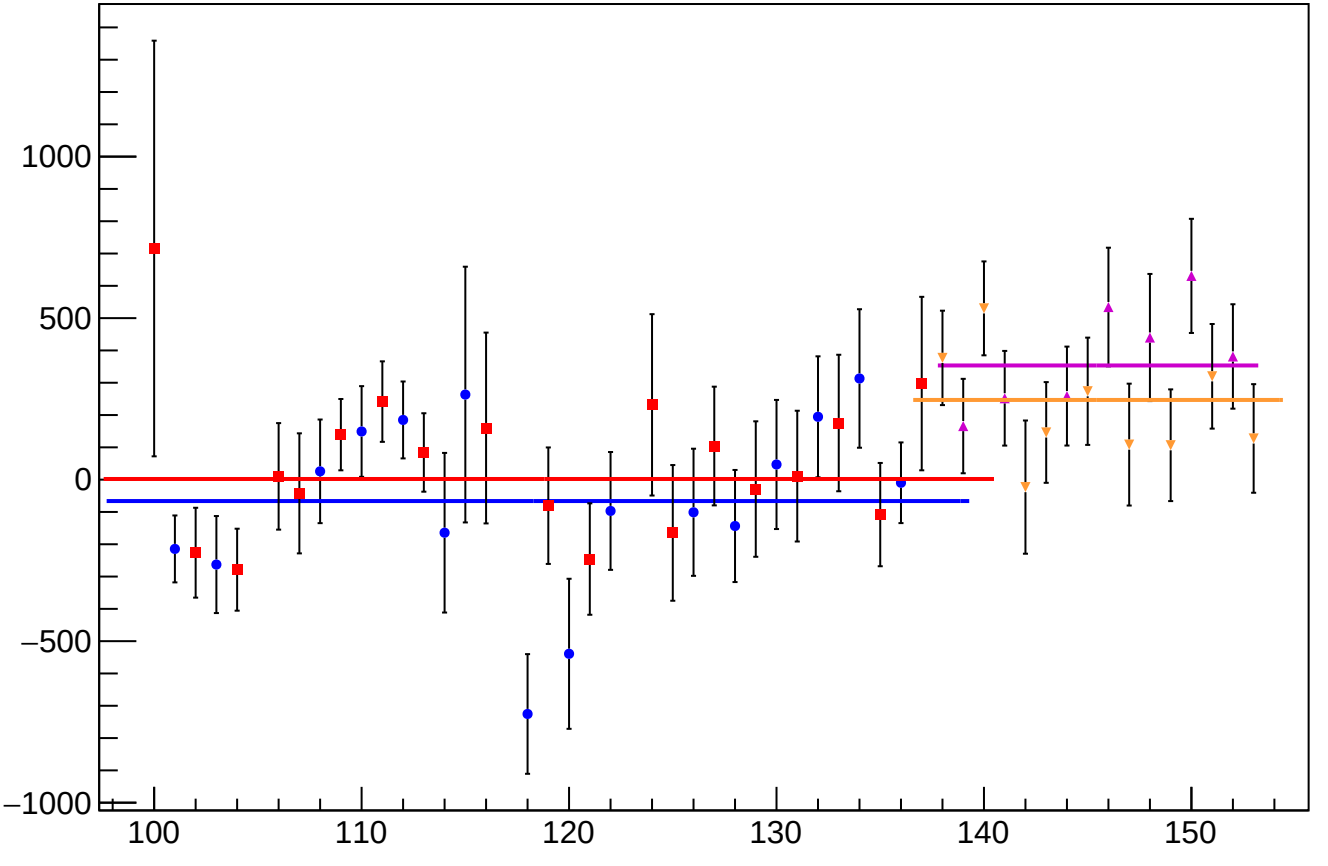
Right: 549.176+/-0.116 χ^2/NDF: 6757198.8/34

In: 648.730+/-0.143 χ^2/NDF:5983630.8/22

Out: 677.474+/-0.139 χ^2/NDF:5095962.2/27

All: 663.488+/-0.100 χ^2/NDF: 11100374.8/50

cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 246.733+/-55.035 χ^2/NDF:8.7/8

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 353.487+/-61.806 χ^2/NDF:6.2/6

Left: 293.944+/-41.102 χ^2/NDF: 16.5/15

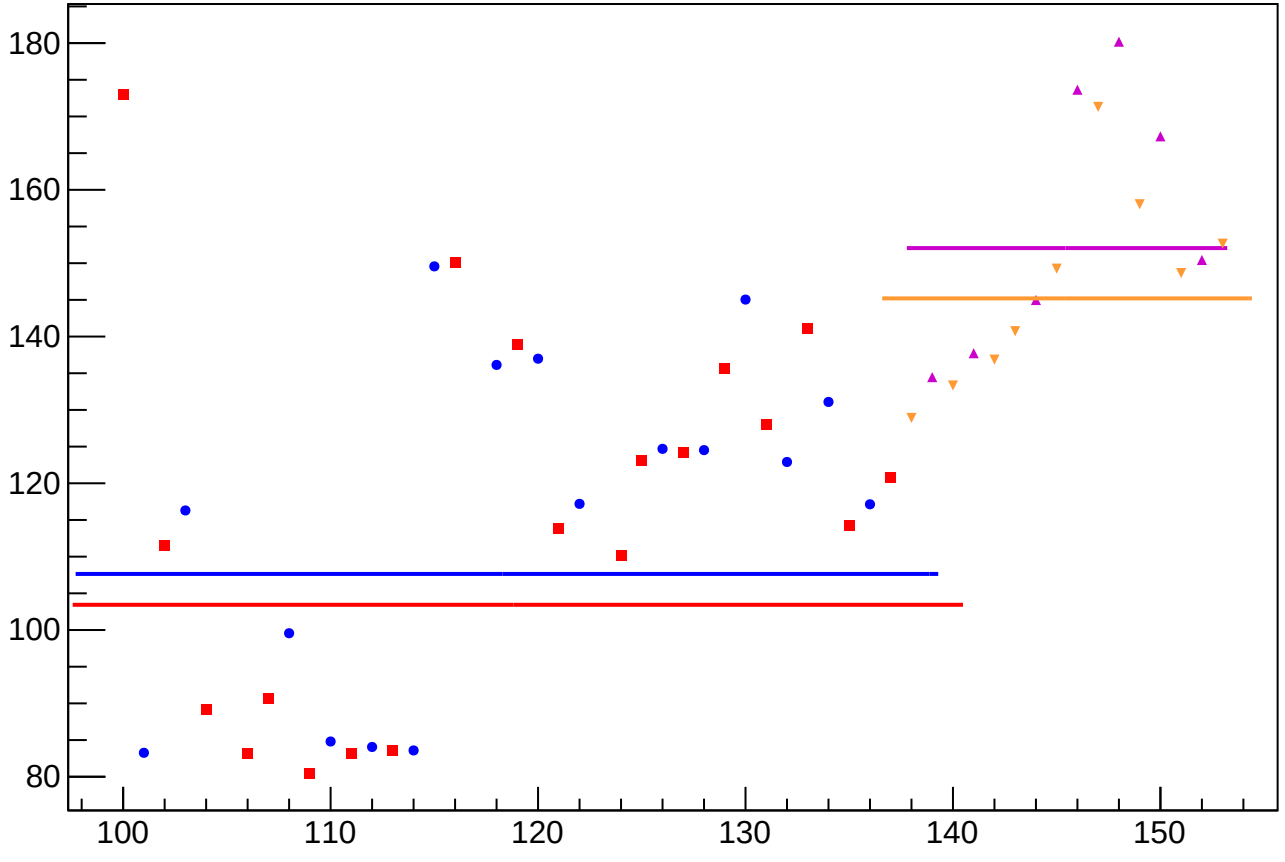
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 61.736+/-34.130 χ^2/NDF:72.6/22

Out: 83.677+/-31.786 χ^2/NDF:43.0/27

All: 73.486+/-23.260 χ^2/NDF: 115.8/50

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 145.203+/-0.039 χ^2/NDF:98470.9/8

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 152.060+/-0.044 χ^2/NDF:135931.6/6

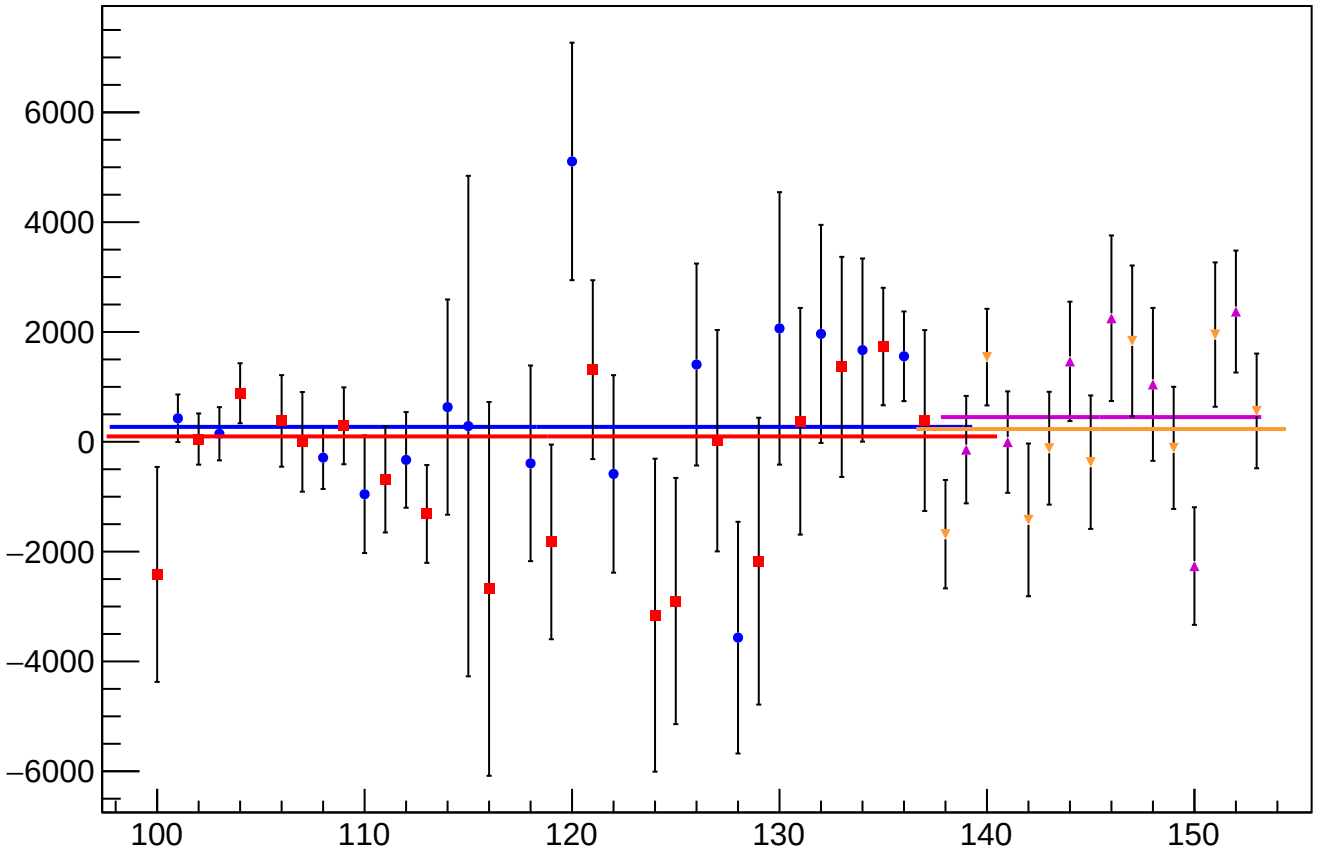
Left: 148.235+/-0.029 χ^2/NDF: 248133.7/15

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 121.188+/-0.024 χ^2/NDF:1386666.5/22

Out: 117.369+/-0.022 χ^2/NDF:1490816.1/27

All: 119.143+/-0.016 χ^2/NDF: 2890889.4/50



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 232.672+/-370.293 χ^2/NDF:11.0/8

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: 449.738+/-418.832 χ^2/NDF:12.5/6

Left: 327.904+/-277.418 χ^2/NDF: 23.7/15

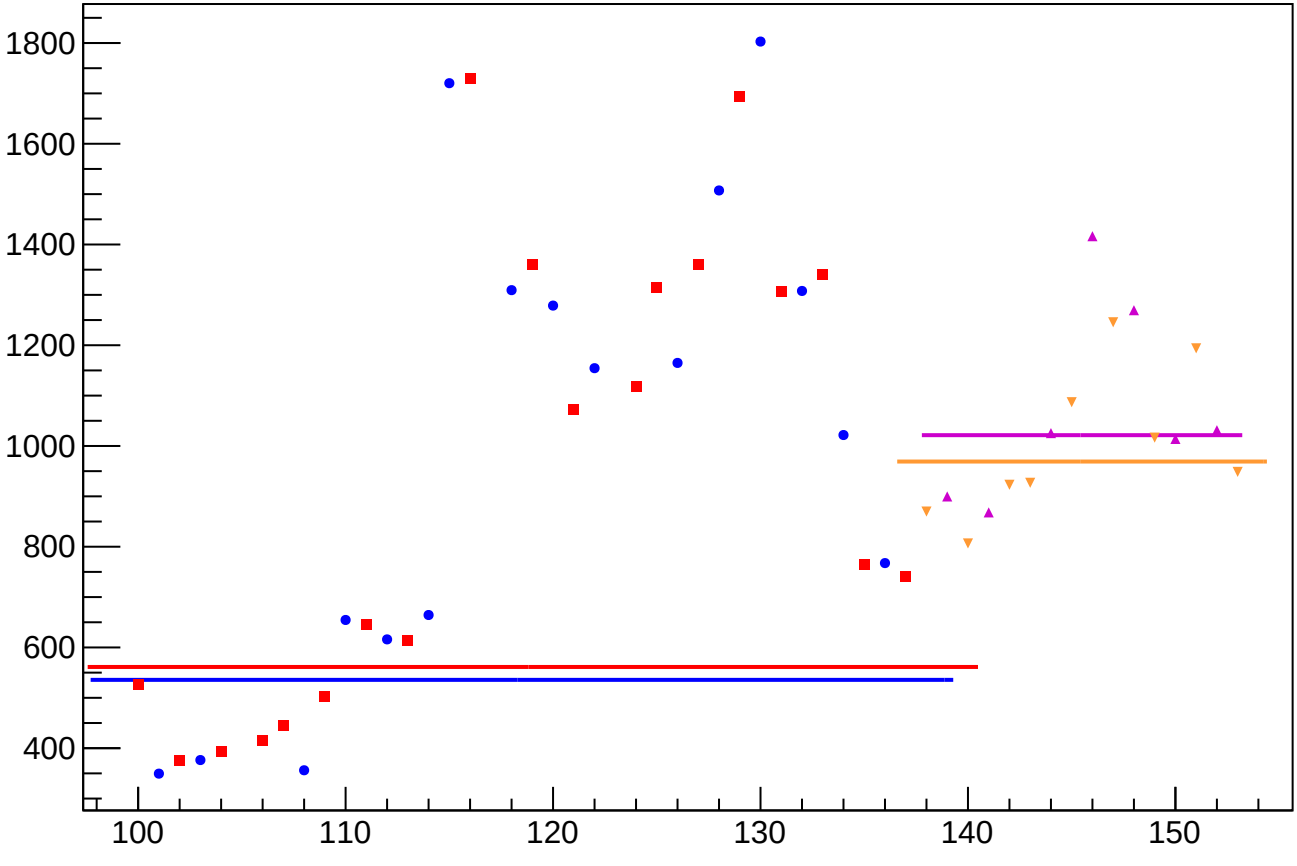
Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 313.089+/-202.043 χ^2/NDF:29.1/22

Out: 136.036+/-197.075 χ^2/NDF:27.3/27

All: 222.359+/-141.077 χ^2/NDF: 56.8/50

asym_sam6_cor_correction_rms vs Slug, Sign Corrected



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 969.103+/-0.262 χ^2/NDF:256818.3/8

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 1021.451+/-0.296 χ^2/NDF:286988.5/6

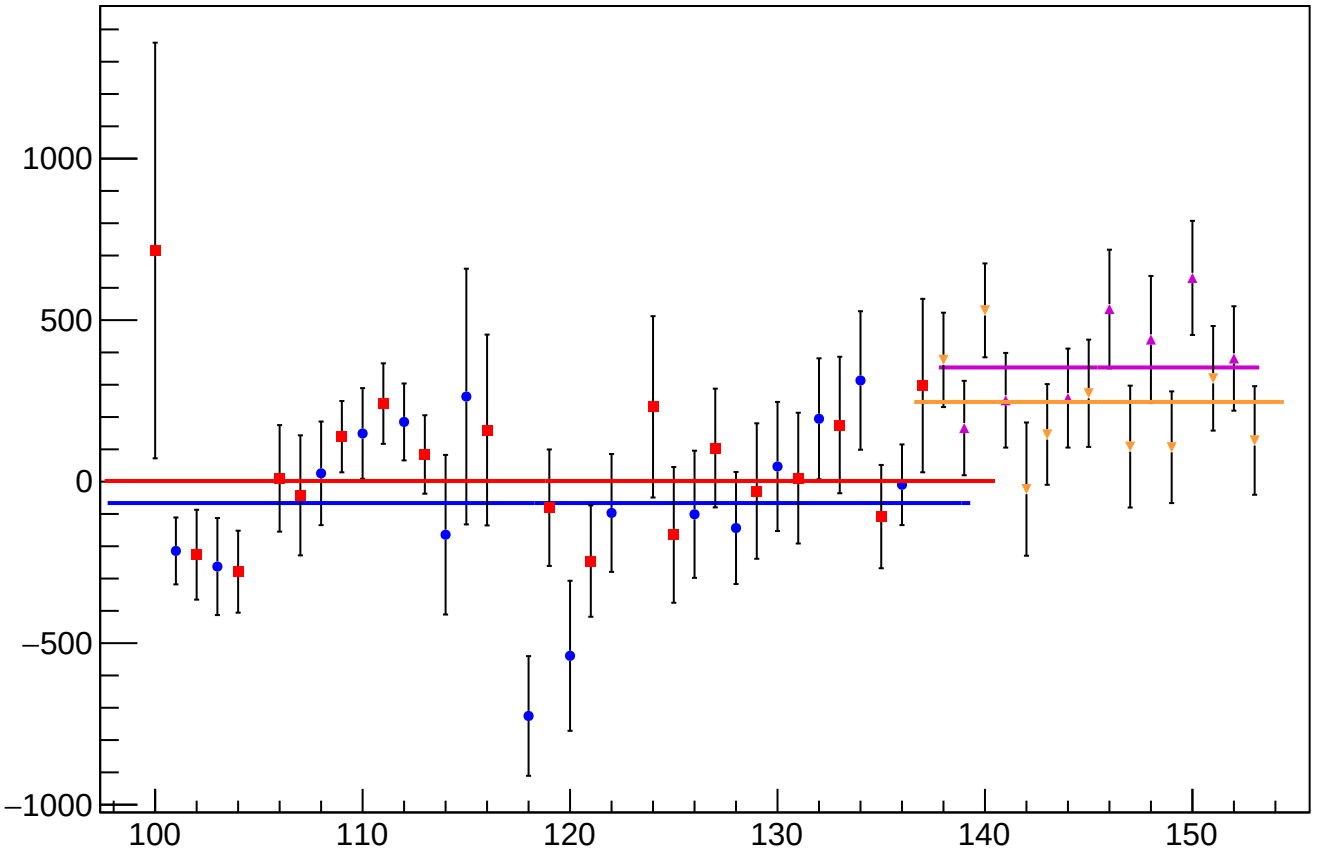
Left: 992.069+/-0.196 χ^2/NDF: 561343.2/15

Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 648.708+/-0.143 χ^2/NDF:5984047.2/22

Out: 676.789+/-0.139 χ^2/NDF:5126466.0/27

All: 663.098+/-0.100 χ^2/NDF: 11130310.5/50



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 246.733+/-55.035 χ^2/NDF:8.7/8

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 353.487+/-61.806 χ^2/NDF:6.2/6

Left: 293.944+/-41.102 χ^2/NDF: 16.5/15

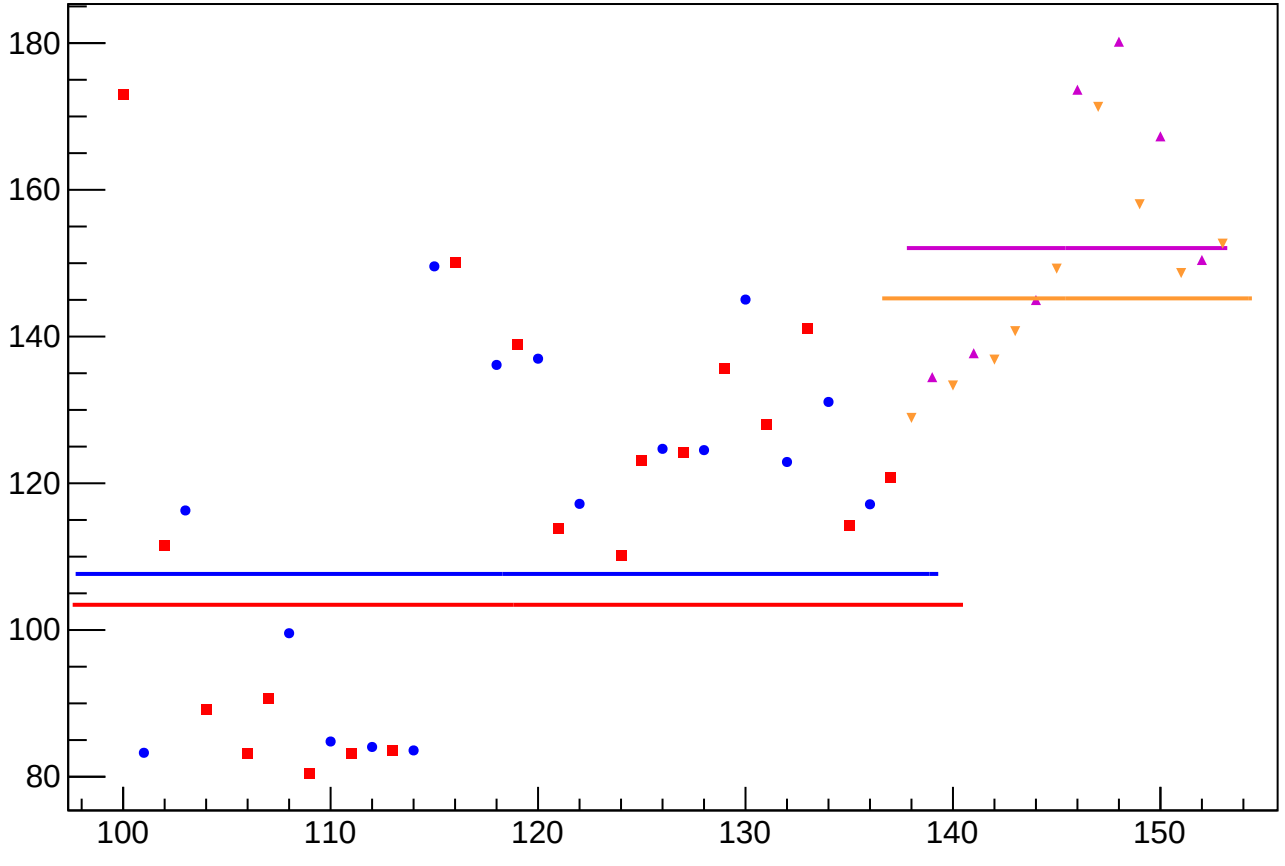
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 61.736+/-34.130 χ^2/NDF:72.6/22

Out: 83.677+/-31.786 χ^2/NDF:43.0/27

All: 73.486+/-23.260 χ^2/NDF: 115.8/50

eigen_cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 145.203+/-0.039 χ^2/NDF:98470.9/8

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 152.060+/-0.044 χ^2/NDF:135931.6/6

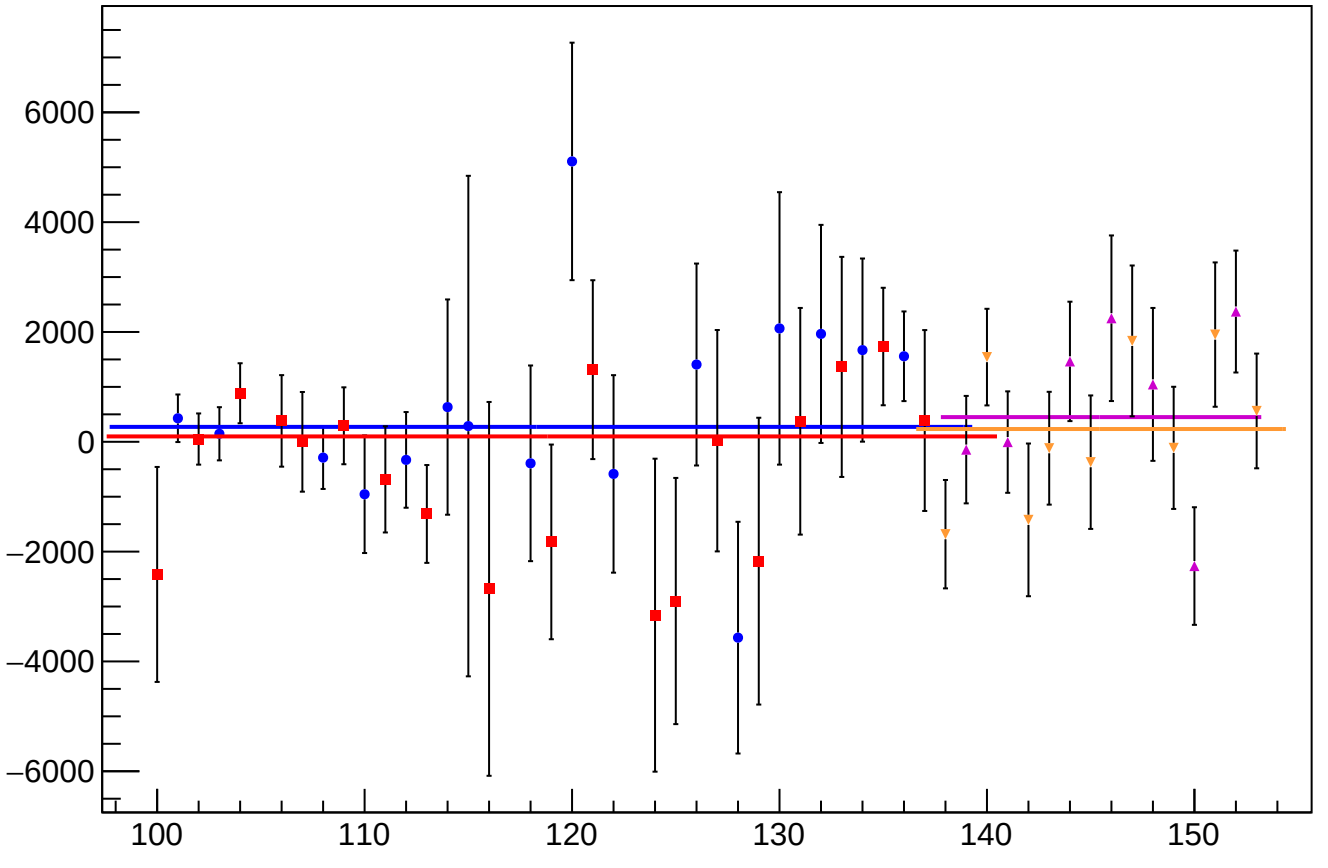
Left: 148.235+/-0.029 χ^2/NDF: 248133.7/15

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 121.188+/-0.024 χ^2/NDF:1386666.5/22

Out: 117.369+/-0.022 χ^2/NDF:1490816.1/27

All: 119.143+/-0.016 χ^2/NDF: 2890889.4/50



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 232.672+/-370.293 χ^2/NDF:11.0/8

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: 449.738+/-418.832 χ^2/NDF:12.5/6

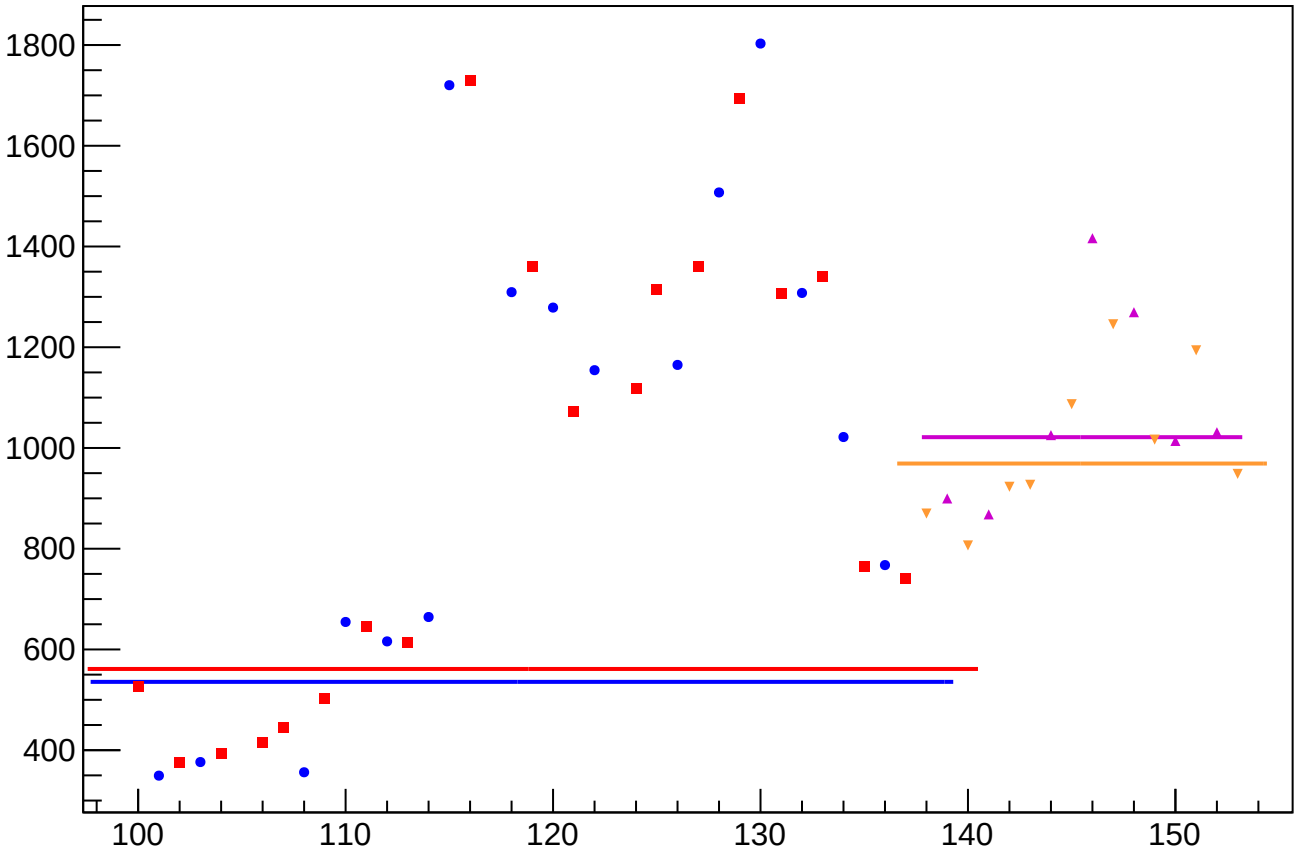
Left: 327.904+/-277.418 χ^2/NDF: 23.7/15

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 313.089+/-202.043 χ^2/NDF:29.1/22

Out: 136.036+/-197.075 χ^2/NDF:27.3/27

All: 222.359+/-141.077 χ^2/NDF: 56.8/50



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 969.103+/-0.262 χ^2/NDF:256818.3/8

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 1021.451+/-0.296 χ^2/NDF:286988.5/6

Left: 992.069+/-0.196 χ^2/NDF: 561343.2/15

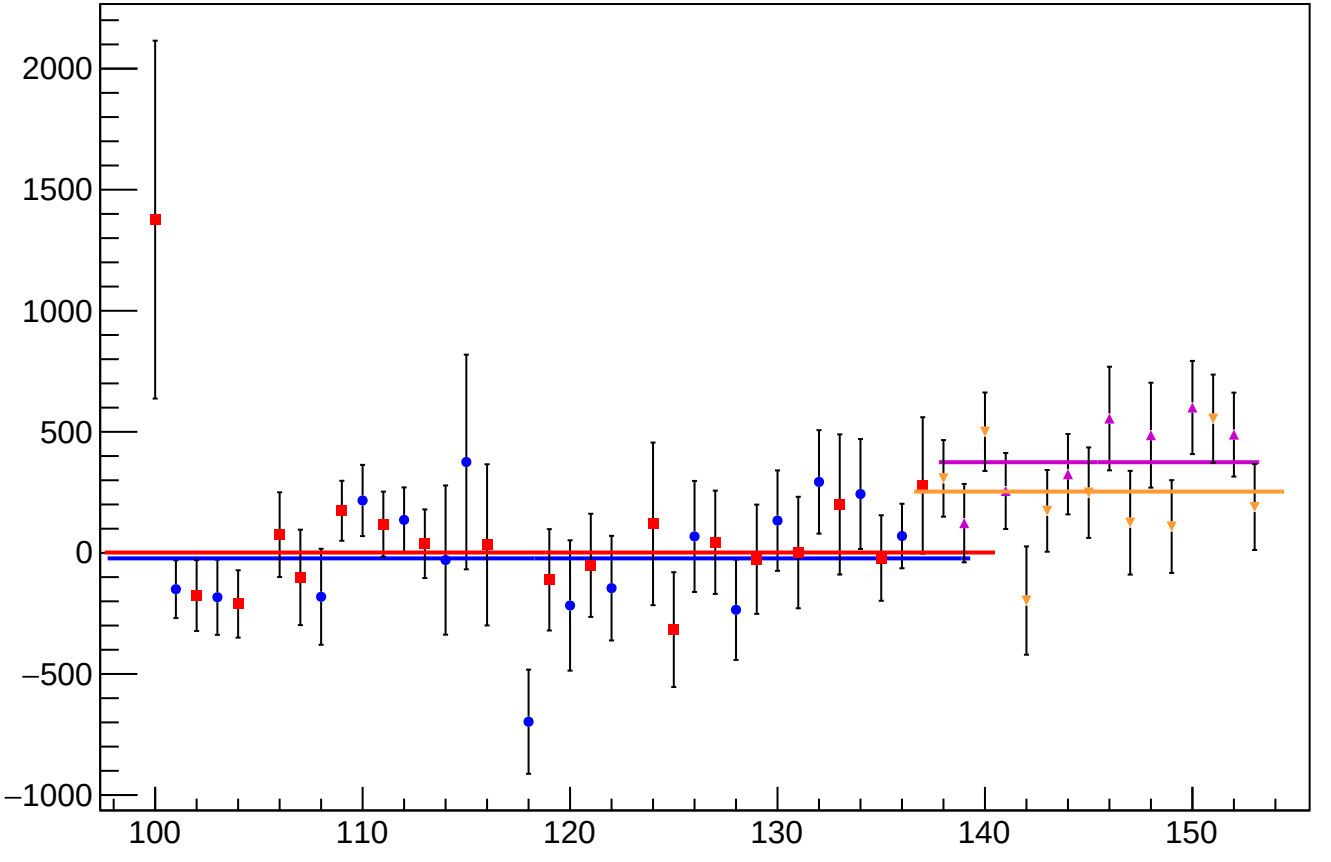
Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 648.708+/-0.143 χ^2/NDF:5984047.2/22

Out: 676.789+/-0.139 χ^2/NDF:5126466.0/27

All: 663.098+/-0.100 χ^2/NDF: 11130310.5/50

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 253.289+/-60.547 χ^2/NDF:10.5/8

Right Out: 1.600+/-43.563 χ^2/NDF: 14.3/18

Left In: 374.523+/-67.661 χ^2/NDF:5.9/6

Left: 307.201+/-45.119 χ^2/NDF: 18.2/15

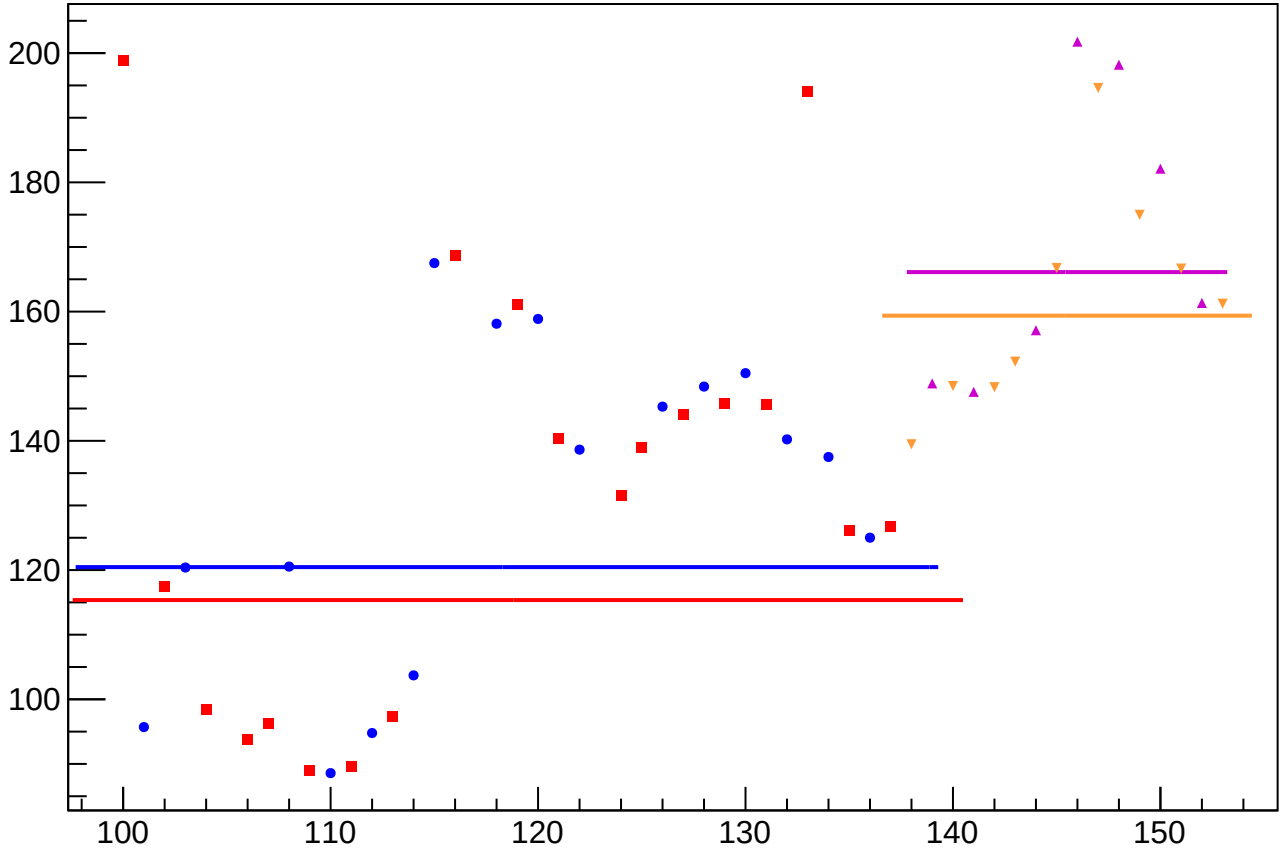
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 102.537+/-37.989 χ^2/NDF:53.6/22

Out: 87.449+/-35.362 χ^2/NDF:36.2/27

All: 94.453+/-25.883 χ^2/NDF: 89.9/50

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 159.375+/-0.043 χ^2/NDF:123082.6/8

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

Left In: 166.113+/-0.048 χ^2/NDF:171127.9/6

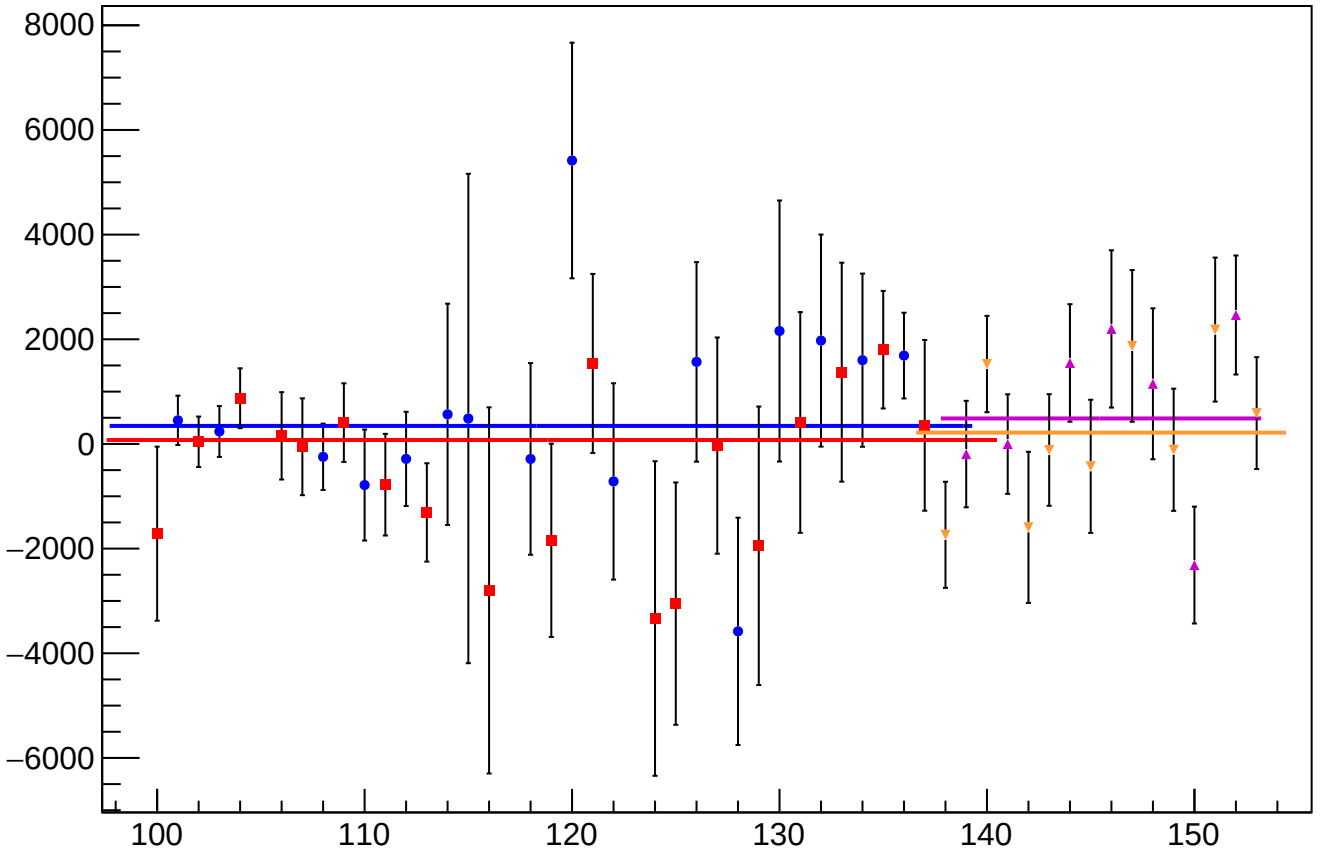
Left: 162.371+/-0.032 χ^2/NDF: 305222.8/15

Right: 117.774+/-0.022 χ^2/NDF: 1310562.3/34

In: 134.851+/-0.027 χ^2/NDF:1324993.8/22

Out: 130.371+/-0.025 χ^2/NDF:1586835.7/27

All: 132.451+/-0.018 χ^2/NDF: 2926727.5/50



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: 216.512+/-385.126 χ^2/NDF:11.2/8

Right Out: 75.434+/-240.479 χ^2/NDF: 15.3/18

Left In: 487.063+/-431.800 χ^2/NDF:12.4/6

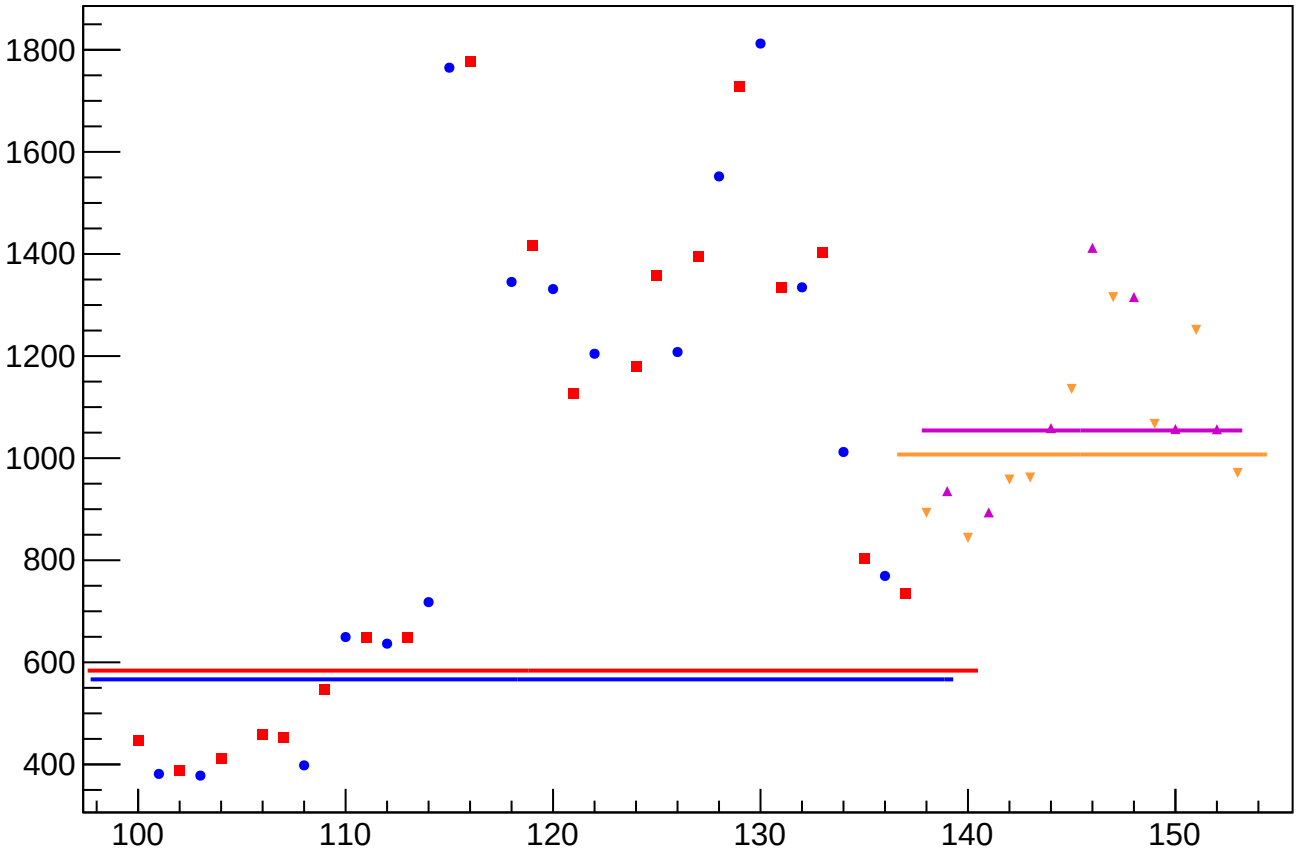
Left: 336.380+/-287.415 χ^2/NDF: 23.9/15

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 378.427+/-210.795 χ^2/NDF:28.8/22

Out: 115.010+/-203.979 χ^2/NDF:26.6/27

All: 242.391+/-146.586 χ^2/NDF: 56.1/50



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 1007.188+/-0.272 χ^2/NDF:275605.2/8

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

Left In: 1054.240+/-0.305 χ^2/NDF:263269.6/6

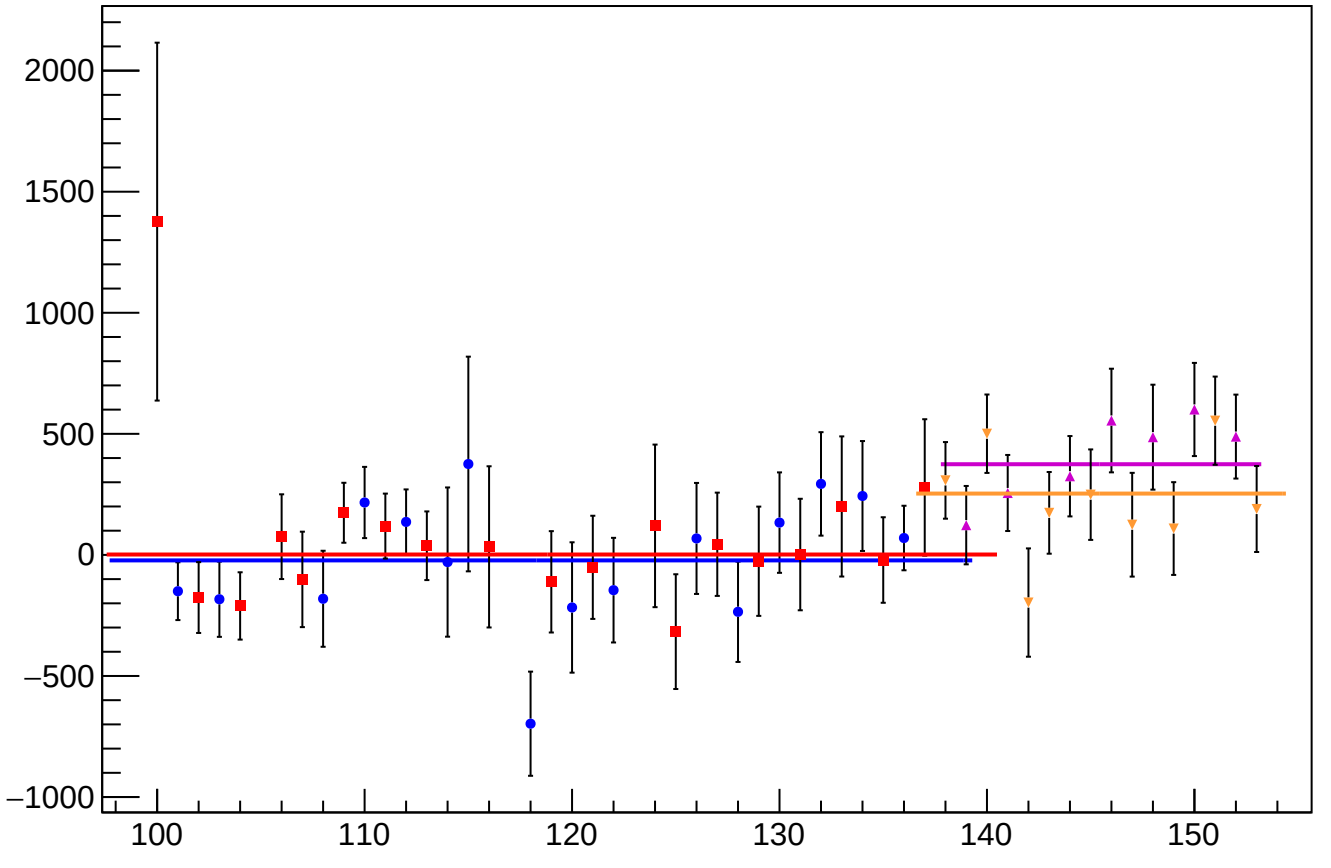
Left: 1028.034+/-0.203 χ^2/NDF: 552101.1/15

Right: 575.236+/-0.121 χ^2/NDF: 6545041.6/34

In: 682.816+/-0.149 χ^2/NDF:5638522.8/22

Out: 702.565+/-0.144 χ^2/NDF:5122243.4/27

All: 693.015+/-0.104 χ^2/NDF: 10769832.4/50



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 253.291+/-60.547 χ^2/NDF:10.5/8

Right Out: 1.601+/-43.563 χ^2/NDF: 14.3/18

Left In: 374.523+/-67.660 χ^2/NDF:5.9/6

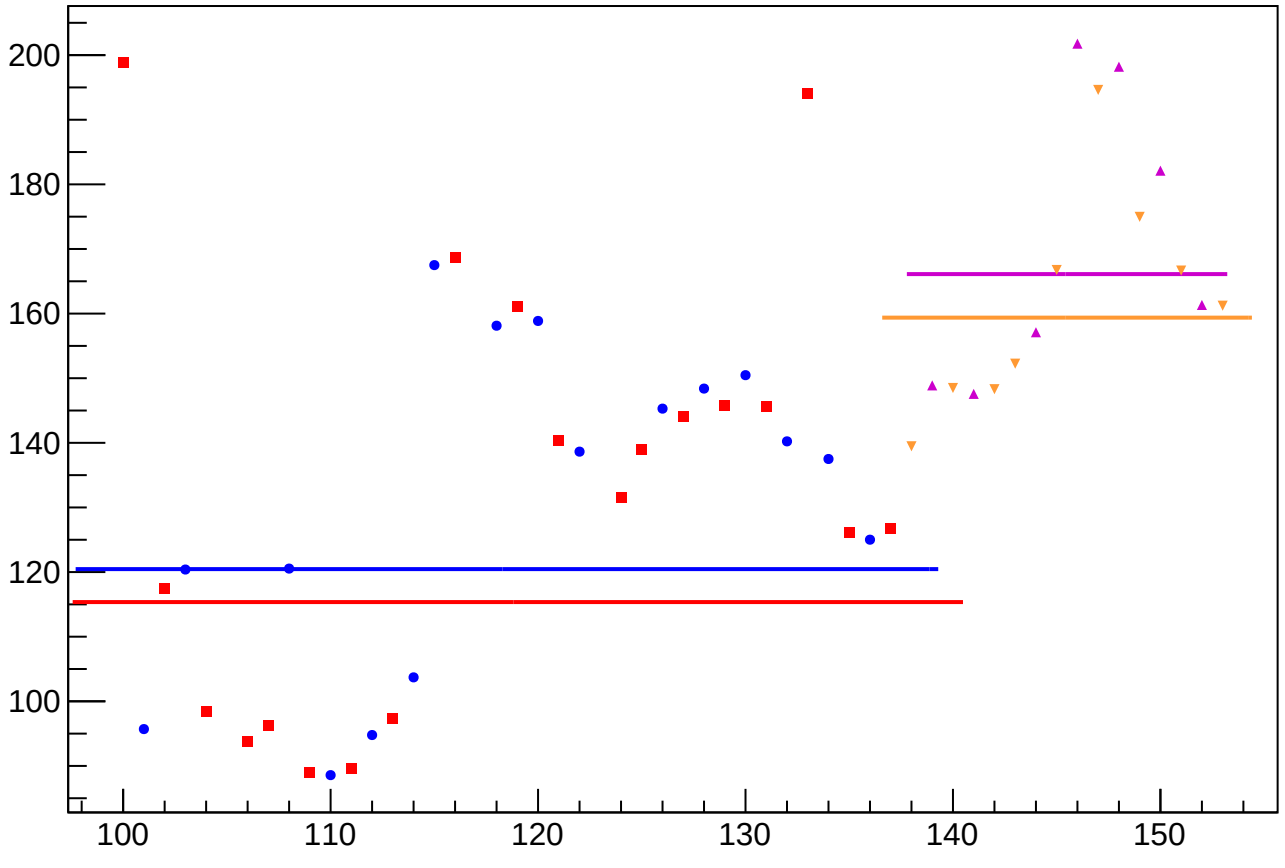
Left: 307.202+/-45.119 χ^2/NDF: 18.2/15

Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 102.536+/-37.989 χ^2/NDF:53.6/22

Out: 87.450+/-35.361 χ^2/NDF:36.2/27

All: 94.453+/-25.883 χ^2/NDF: 89.9/50



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 159.375+/-0.043 χ^2/NDF:123081.4/8

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

Left In: 166.112+/-0.048 χ^2/NDF:171128.0/6

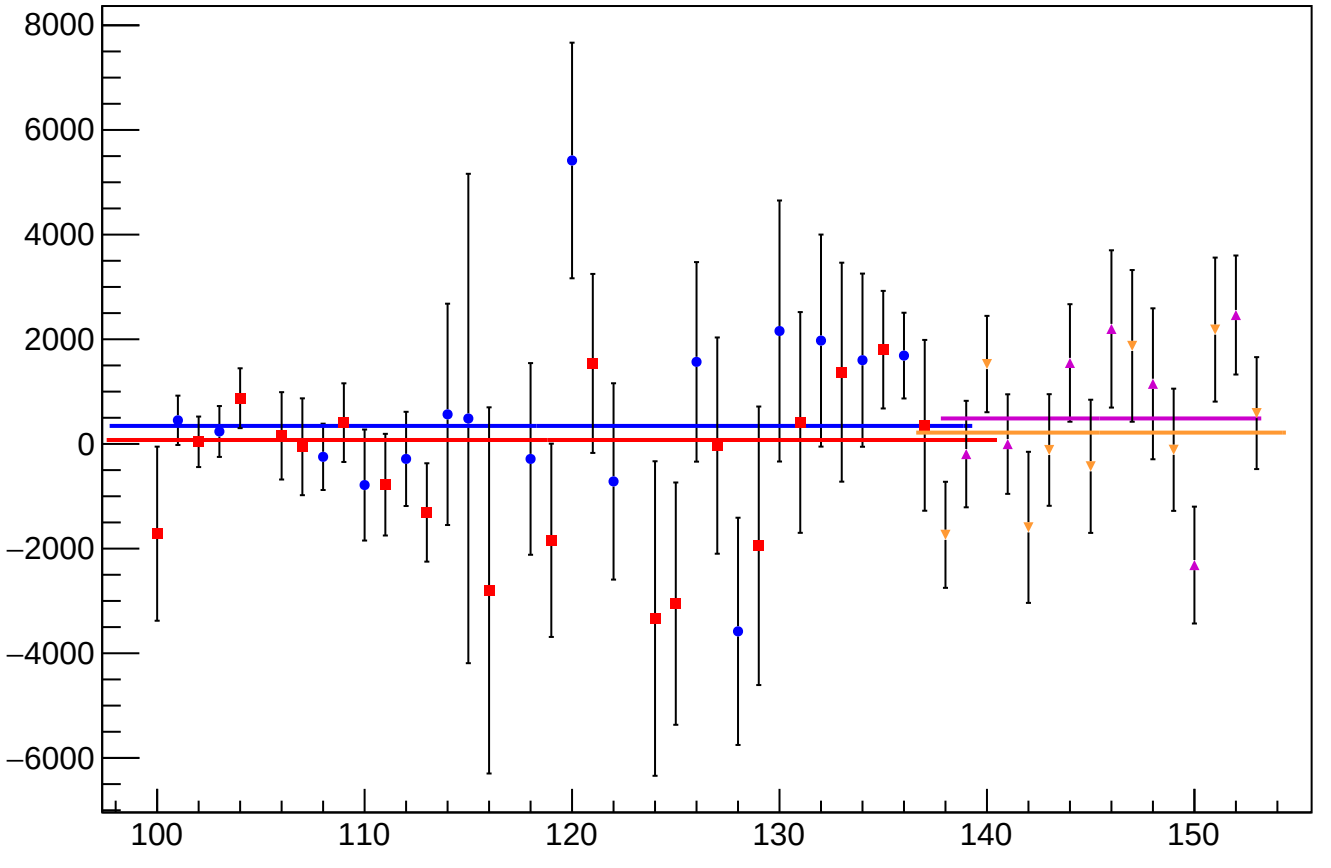
Left: 162.371+/-0.032 χ^2/NDF: 305221.9/15

Right: 117.774+/-0.022 χ^2/NDF: 1310564.2/34

In: 134.850+/-0.027 χ^2/NDF:1325001.1/22

Out: 130.371+/-0.025 χ^2/NDF:1586834.4/27

All: 132.450+/-0.018 χ^2/NDF: 2926733.3/50



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: 216.515+/-385.126 χ^2/NDF:11.2/8

Right Out: 75.435+/-240.479 χ^2/NDF: 15.3/18

Left In: 487.061+/-431.800 χ^2/NDF:12.4/6

Left: 336.381+/-287.415 χ^2/NDF: 23.9/15

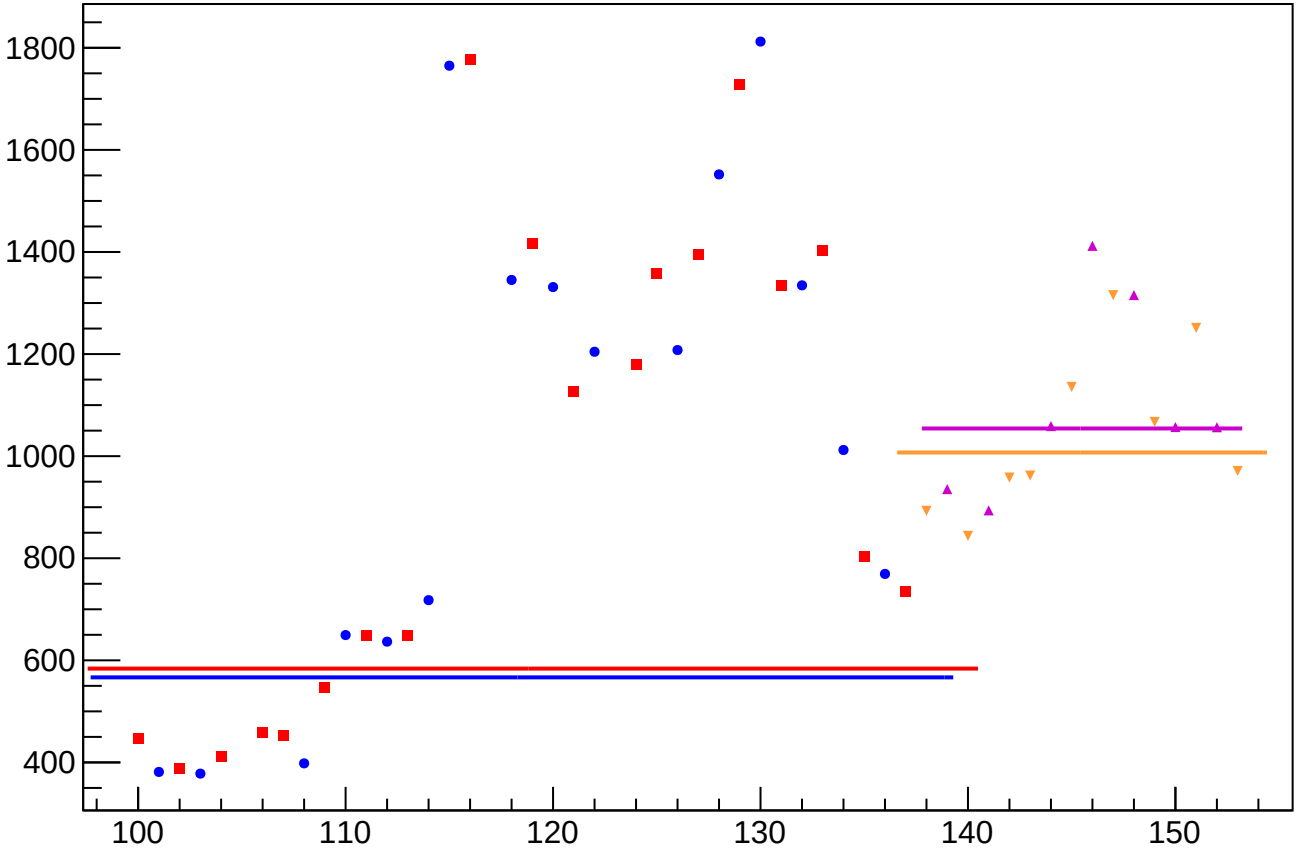
Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 378.426+/-210.795 χ^2/NDF:28.8/22

Out: 115.011+/-203.979 χ^2/NDF:26.6/27

All: 242.391+/-146.585 χ^2/NDF: 56.1/50

asym_sam6_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 1007.187+/-0.272 χ^2/NDF:275605.2/8

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

Left In: 1054.239+/-0.305 χ^2/NDF:263270.2/6

Left: 1028.034+/-0.203 χ^2/NDF: 552101.7/15

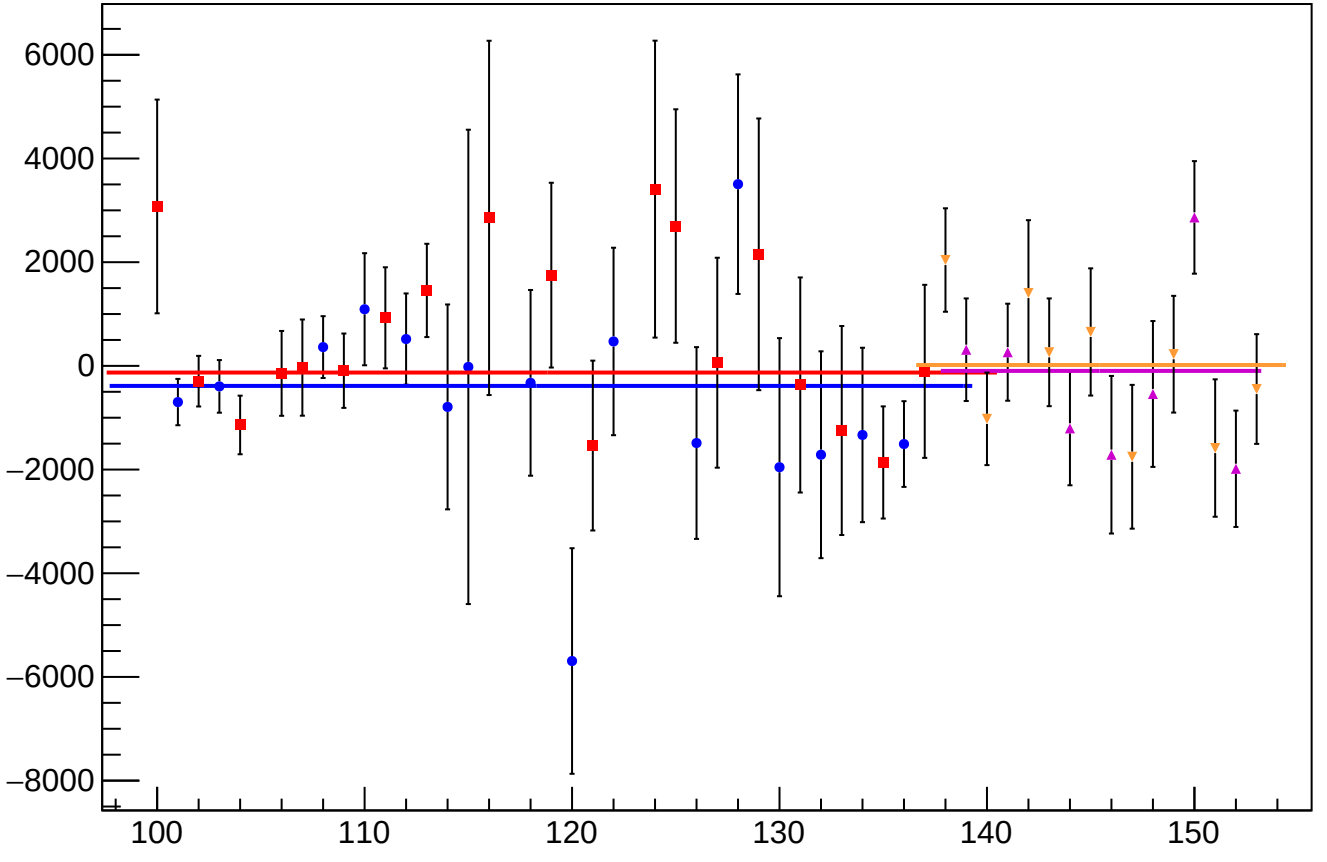
Right: 575.236+/-0.121 χ^2/NDF: 6545046.5/34

In: 682.815+/-0.149 χ^2/NDF:5638531.8/22

Out: 702.565+/-0.144 χ^2/NDF:5122244.8/27

All: 693.014+/-0.104 χ^2/NDF: 10769843.0/50

asym_sam6_mean vs Slug, Sign Corrected



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: 16.621+/-374.532 χ^2/NDF:10.1/8

Right Out: -128.583+/-238.241 χ^2/NDF: 19.4/18

Left In: -97.116+/-423.564 χ^2/NDF:12.8/6

Left: -33.286+/-280.576 χ^2/NDF: 23.0/15

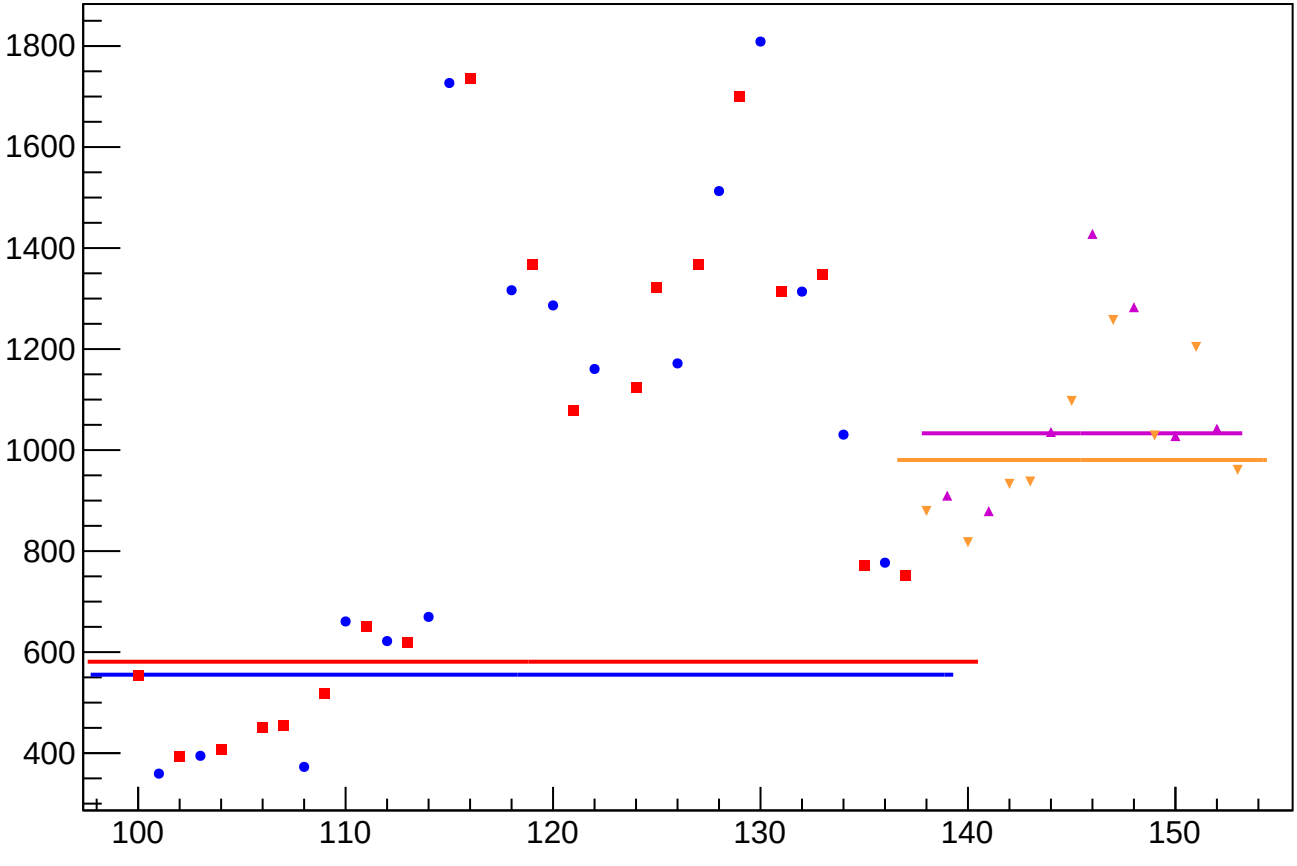
Right: -257.941+/-168.208 χ^2/NDF: 37.9/34

In: -317.285+/-207.173 χ^2/NDF:31.1/22

Out: -86.755+/-201.018 χ^2/NDF:29.6/27

All: -198.545+/-144.268 χ^2/NDF: 61.4/50

asym_sam6_rms vs Slug, Sign Corrected



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 980.449+/-0.265 χ^2/NDF:252231.2/8

Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 1033.249+/-0.300 χ^2/NDF:283522.1/6

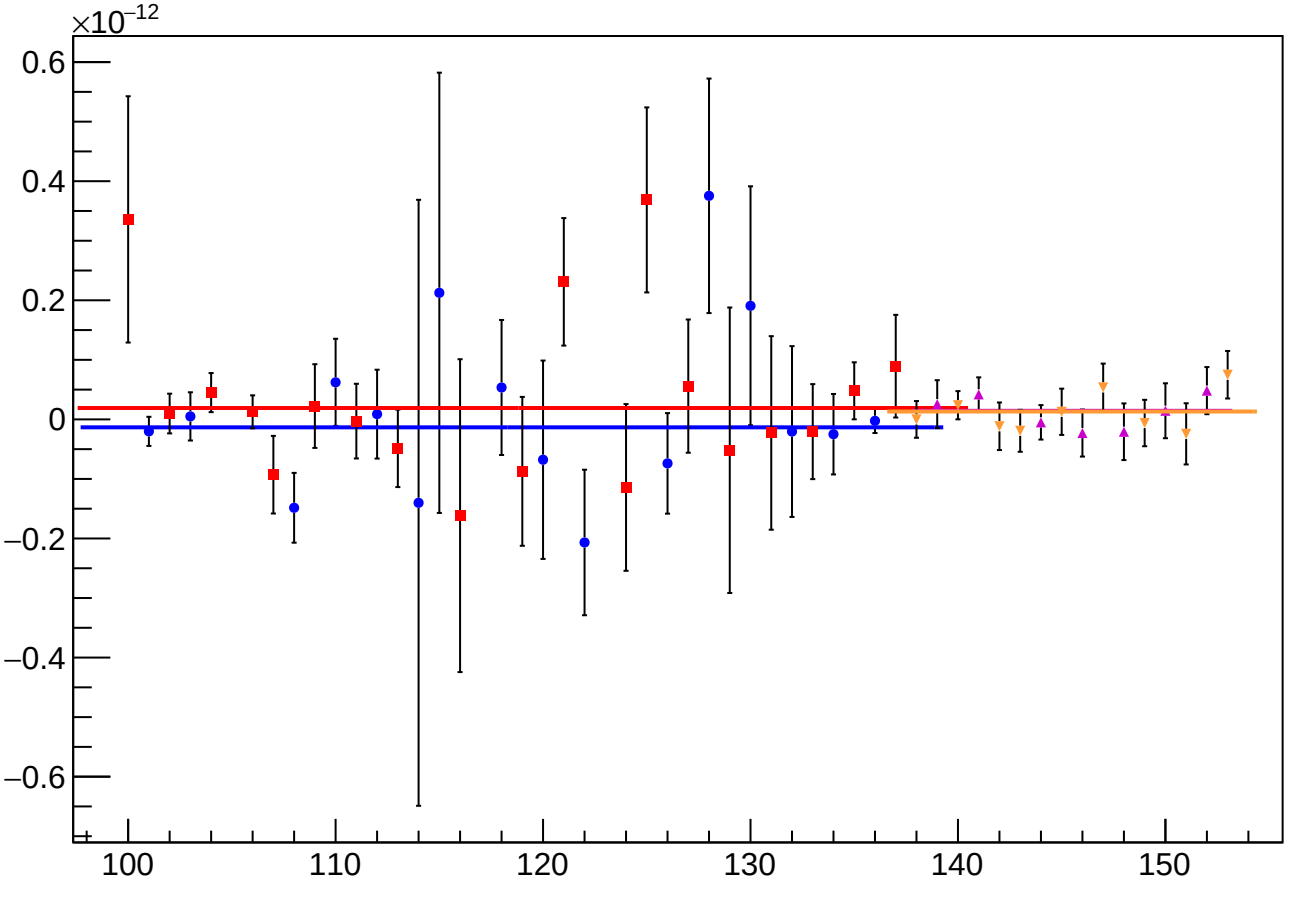
Left: 1003.617+/-0.198 χ^2/NDF: 553194.5/15

Right: 568.105+/-0.119 χ^2/NDF: 6477767.0/34

In: 669.637+/-0.146 χ^2/NDF:5703452.9/22

Out: 696.065+/-0.142 χ^2/NDF:4855449.5/27

All: 683.249+/-0.102 χ^2/NDF: 10575665.4/50



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.8/8

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:3.6/6

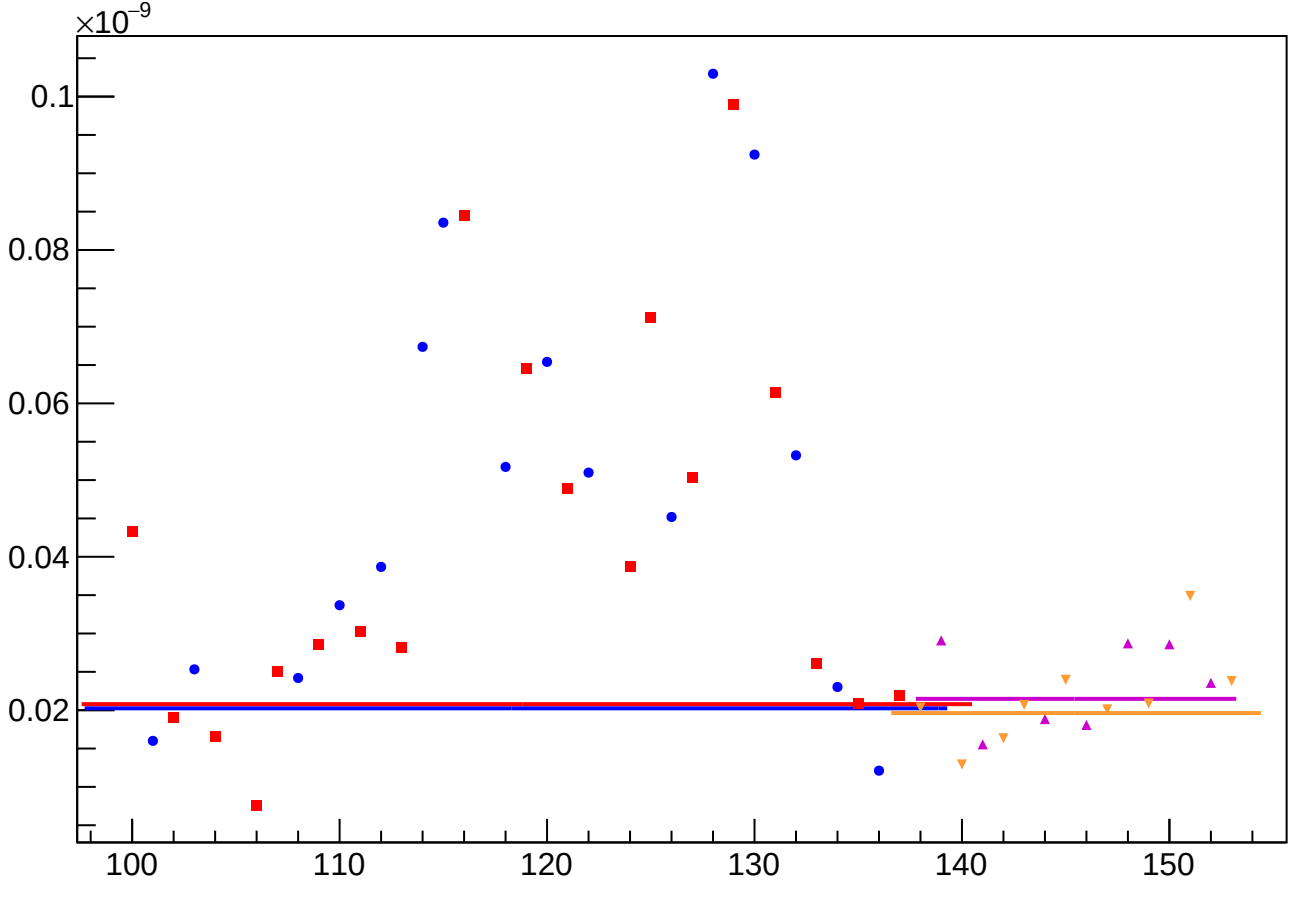
Left: 0.000+/-0.000 χ^2/NDF: 9.4/15

Right: 0.000+/-0.000 χ^2/NDF: 38.7/34

In: -0.000+/-0.000 χ^2/NDF:21.7/22

Out: 0.000+/-0.000 χ^2/NDF:25.8/27

All: 0.000+/-0.000 χ^2/NDF: 49.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:402484.6/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1855885.9/18

Left In: 0.000+/-0.000 χ^2/NDF:288824.2/6

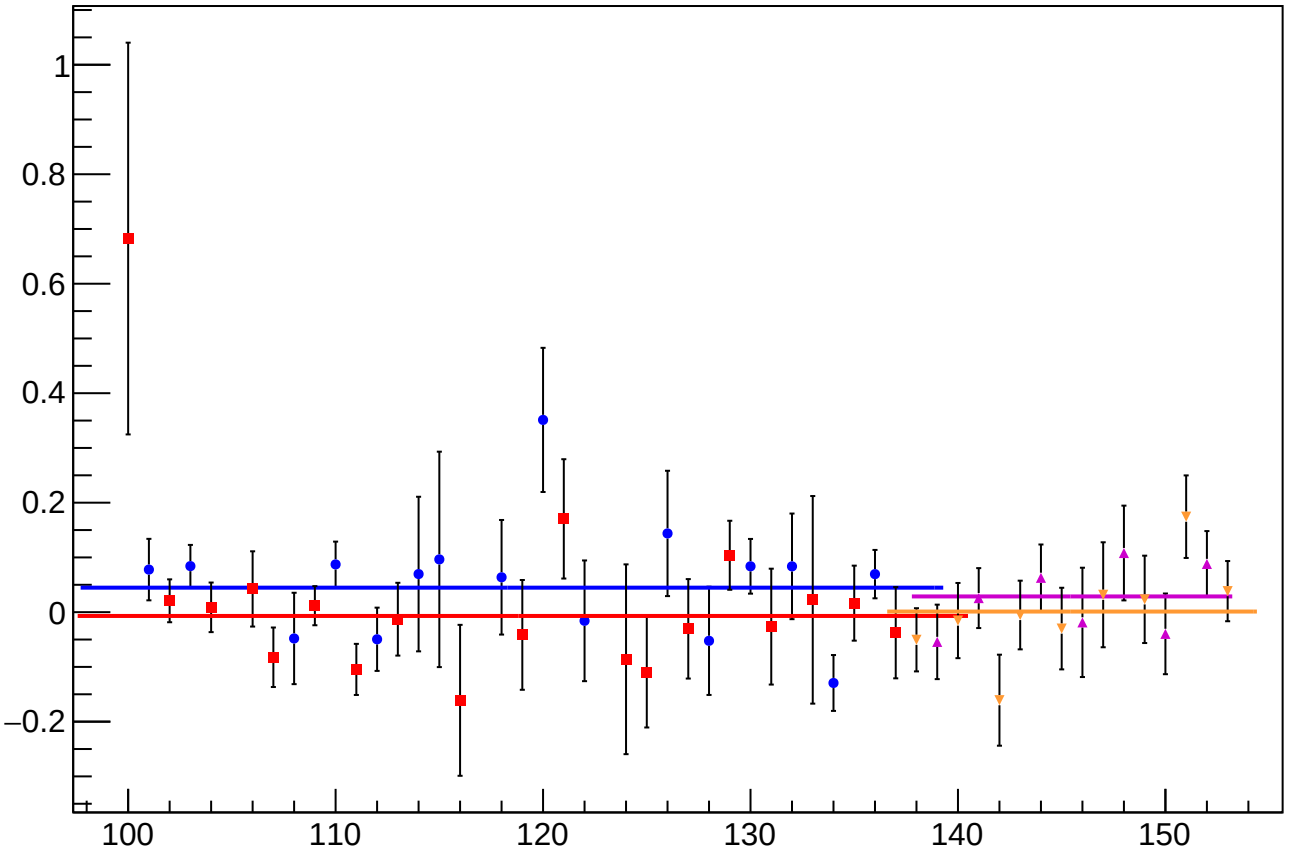
Left: 0.000+/-0.000 χ^2/NDF: 712141.7/15

Right: 0.000+/-0.000 χ^2/NDF: 3862189.3/34

In: 0.000+/-0.000 χ^2/NDF:2301981.0/22

Out: 0.000+/-0.000 χ^2/NDF:2266522.5/27

All: 0.000+/-0.000 χ^2/NDF: 4574434.2/50



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.001+/-0.023 χ^2/NDF:10.8/8

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.029+/-0.026 χ^2/NDF:4.7/6

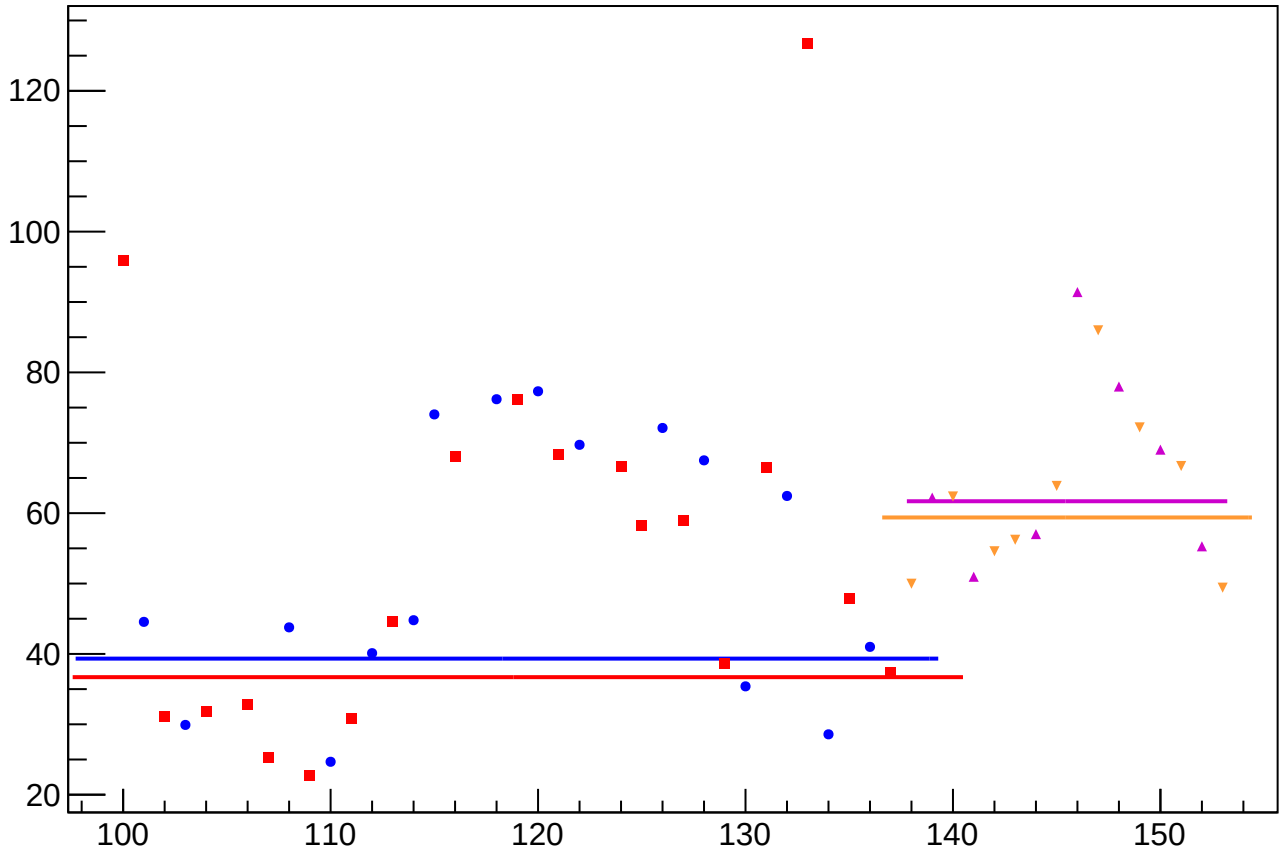
Left: 0.014+/-0.017 χ^2/NDF: 16.1/15

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.040+/-0.014 χ^2/NDF:31.6/22

Out: -0.005+/-0.013 χ^2/NDF:31.0/27

All: 0.016+/-0.009 χ^2/NDF: 68.4/50



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 59.388+/-0.016 χ^2/NDF:365814.8/8

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 61.693+/-0.018 χ^2/NDF:379293.7/6

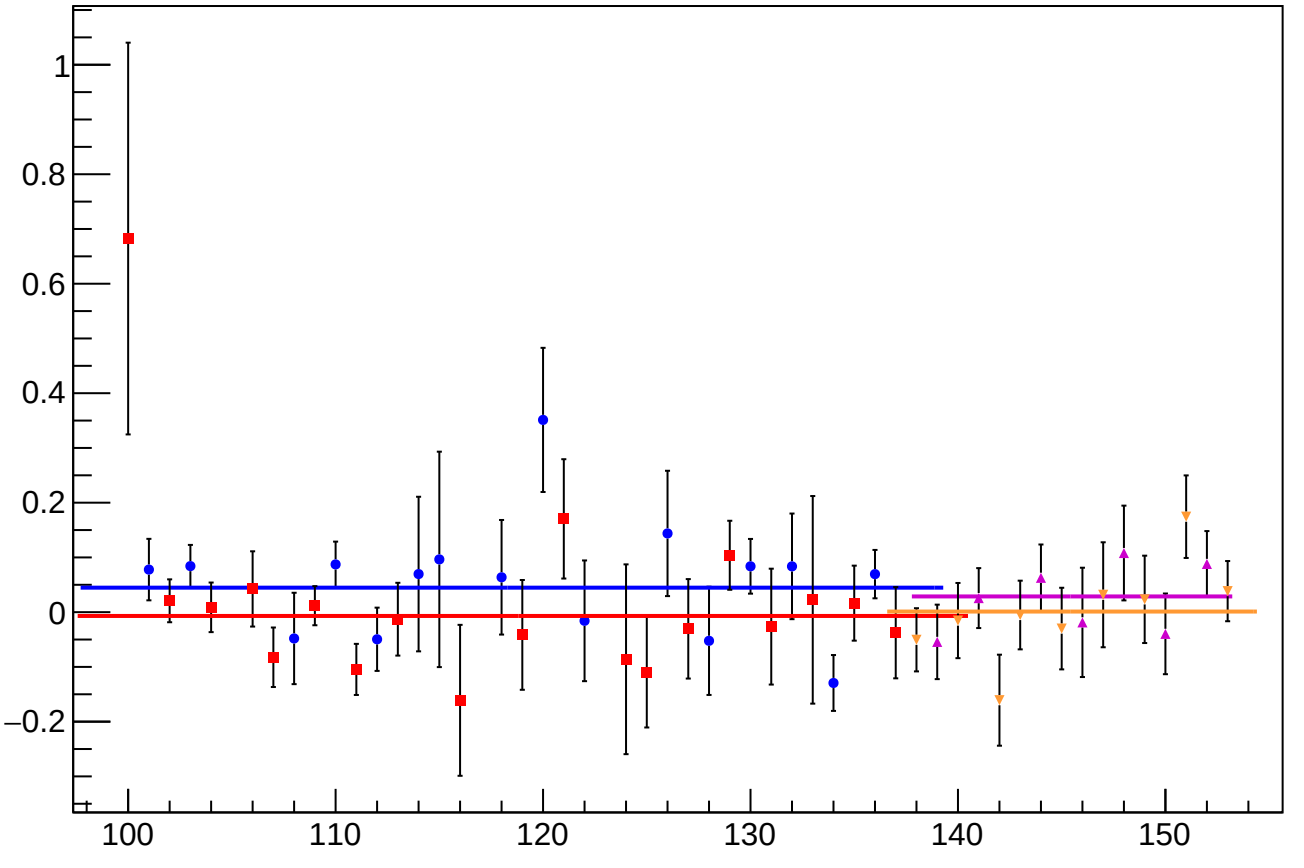
Left: 60.422+/-0.012 χ^2/NDF: 753988.8/15

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 45.597+/-0.010 χ^2/NDF:3036778.5/22

Out: 43.472+/-0.009 χ^2/NDF:3808404.8/27

All: 44.459+/-0.007 χ^2/NDF: 6871368.6/50



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.001+/-0.023 χ^2/NDF:10.8/8

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.029+/-0.026 χ^2/NDF:4.7/6

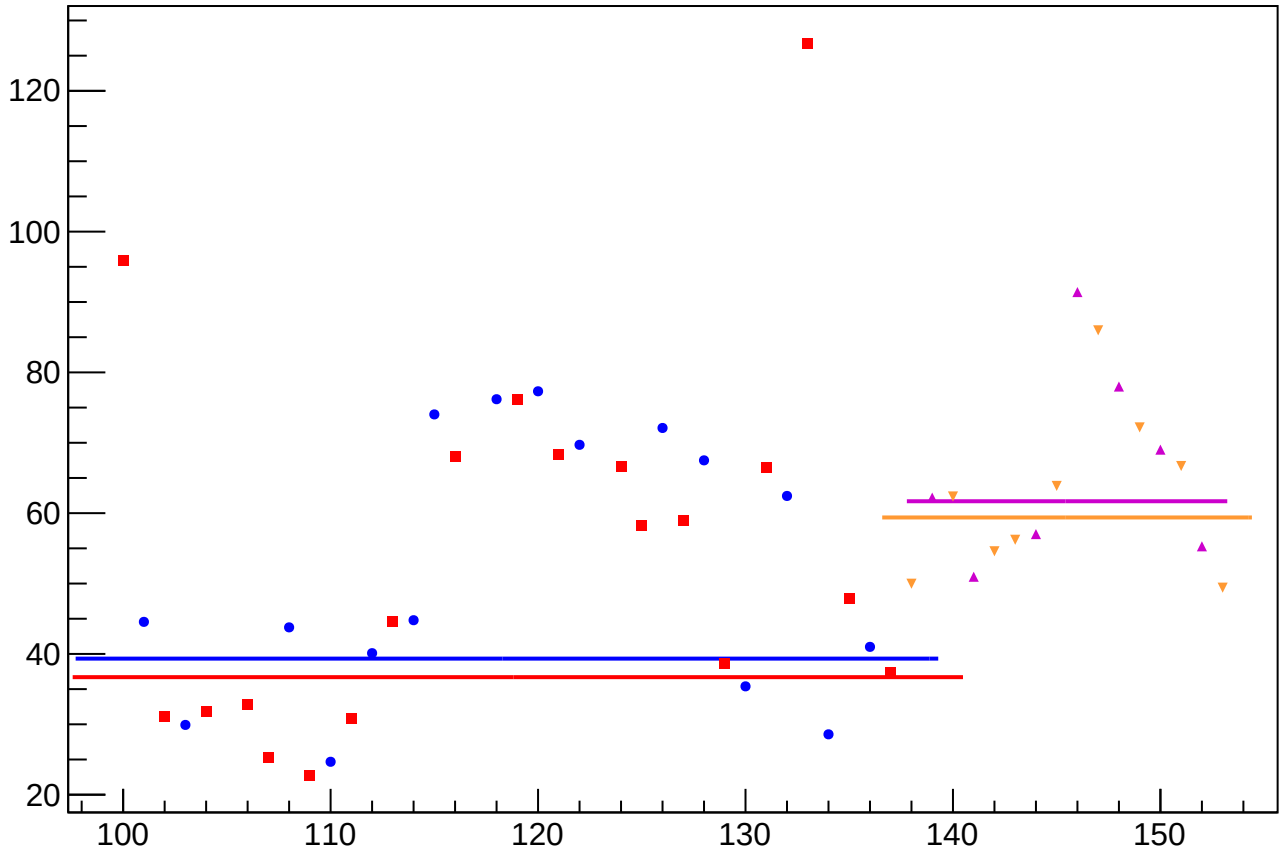
Left: 0.014+/-0.017 χ^2/NDF: 16.1/15

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.040+/-0.014 χ^2/NDF:31.6/22

Out: -0.005+/-0.013 χ^2/NDF:31.0/27

All: 0.016+/-0.009 χ^2/NDF: 68.4/50



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 59.388+/-0.016 χ^2/NDF:365814.8/8

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 61.693+/-0.018 χ^2/NDF:379293.7/6

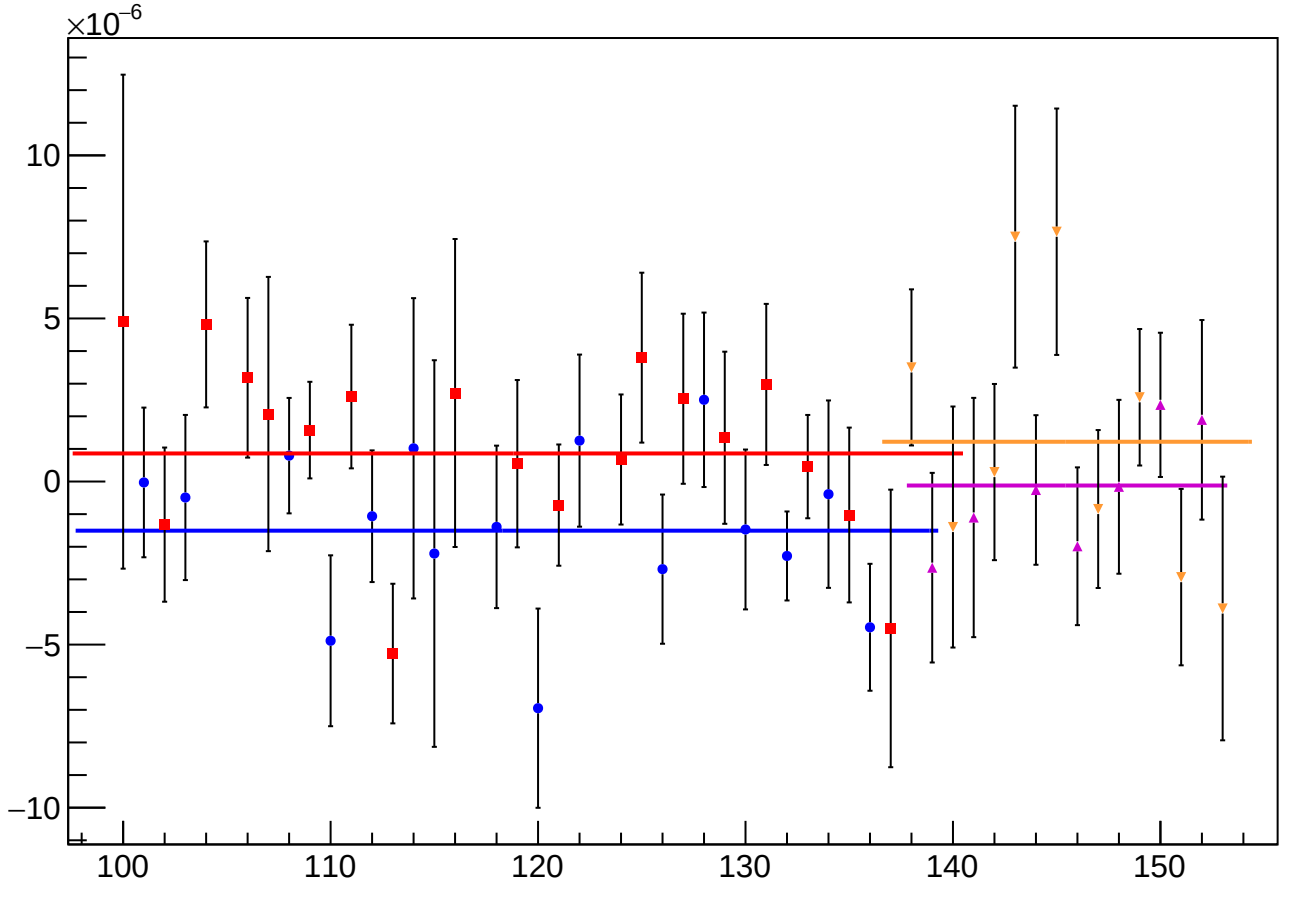
Left: 60.422+/-0.012 χ^2/NDF: 753988.8/15

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 45.597+/-0.010 χ^2/NDF:3036778.5/22

Out: 43.472+/-0.009 χ^2/NDF:3808404.8/27

All: 44.459+/-0.007 χ^2/NDF: 6871368.6/50



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.0/8

Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/18

Left In: -0.000+/-0.000 χ^2/NDF:3.1/6

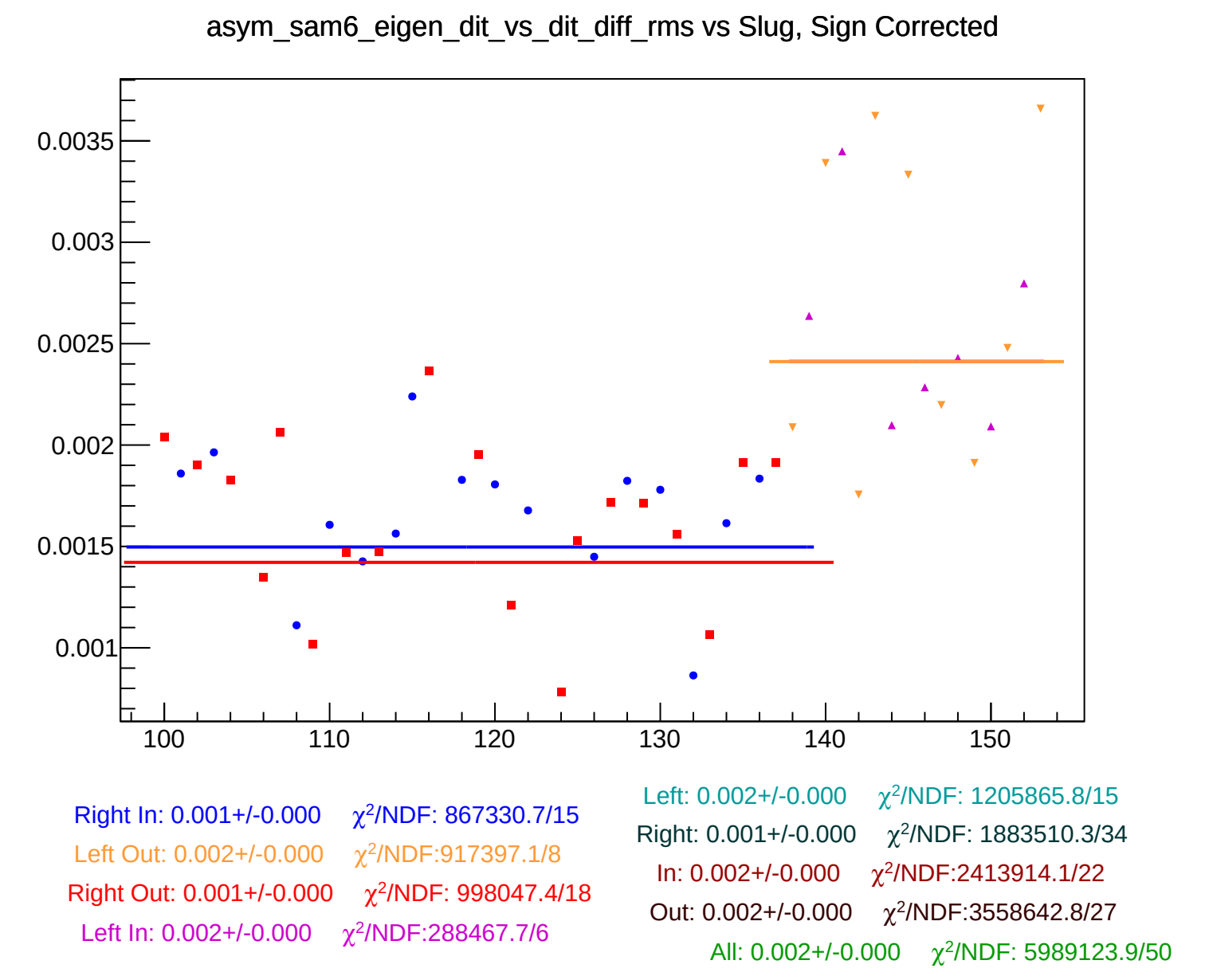
Left: 0.000+/-0.000 χ^2/NDF: 16.0/15

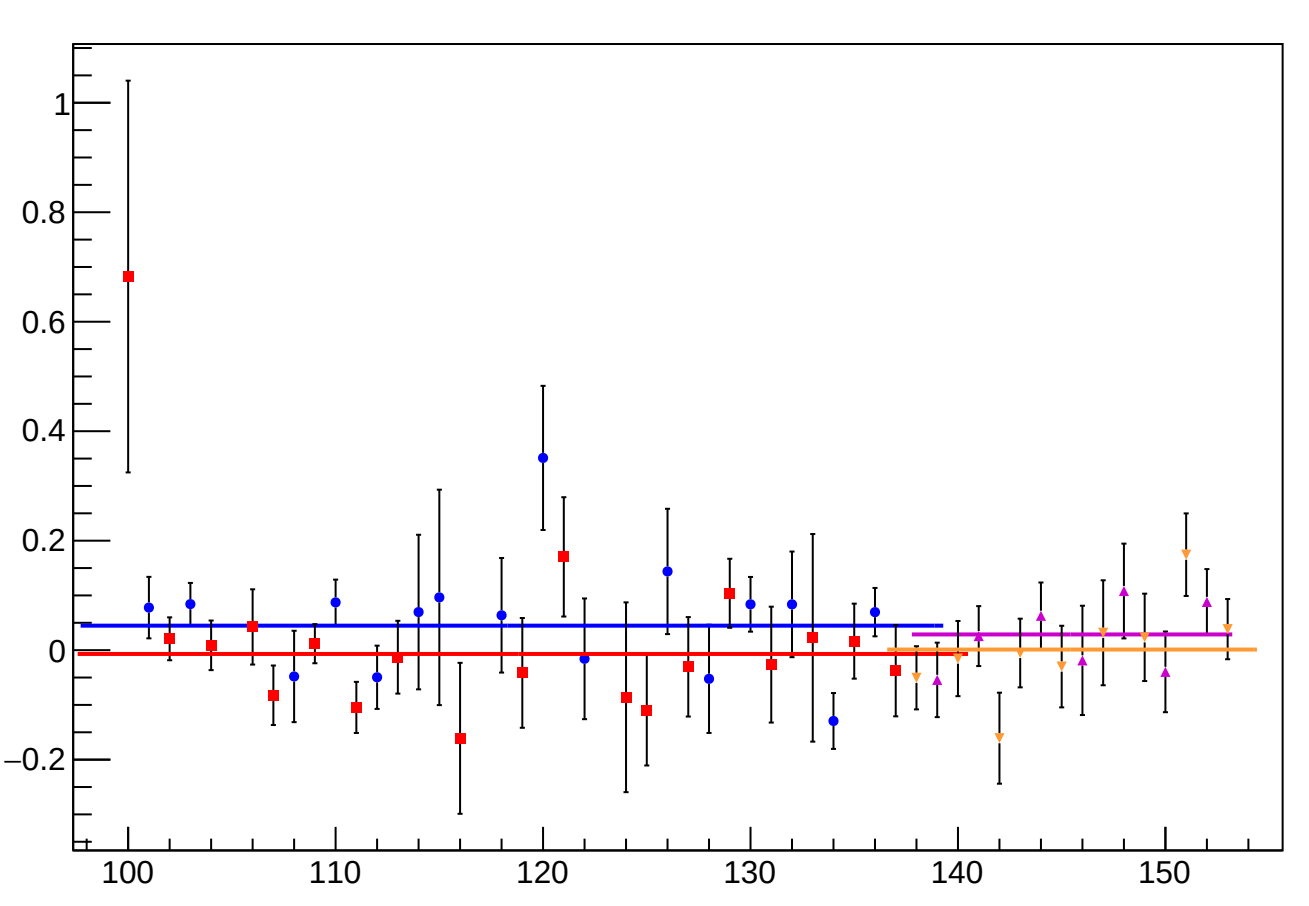
Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

In: -0.000+/-0.000 χ^2/NDF:18.4/22

Out: 0.000+/-0.000 χ^2/NDF:31.2/27

All: -0.000+/-0.000 χ^2/NDF: 59.0/50


asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
110
120
130
140
150
Right In: 0.001+/-0.000 χ²/NDF: 867330.7/15
Left Out: 0.002+/-0.000 χ²/NDF:917397.1/8
Right Out: 0.001+/-0.000 χ²/NDF: 998047.4/18
Left In: 0.002+/-0.000 χ²/NDF:288467.7/6
Left: 0.002+/-0.000 χ²/NDF: 1205865.8/15
Right: 0.001+/-0.000 χ²/NDF: 1883510.3/34
In: 0.002+/-0.000 χ²/NDF:2413914.1/22
Out: 0.002+/-0.000 χ²/NDF:3558642.8/27
All: 0.002+/-0.000 χ²/NDF: 5989123.9/50



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.001+/-0.023 χ^2/NDF:10.8/8

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.029+/-0.026 χ^2/NDF:4.7/6

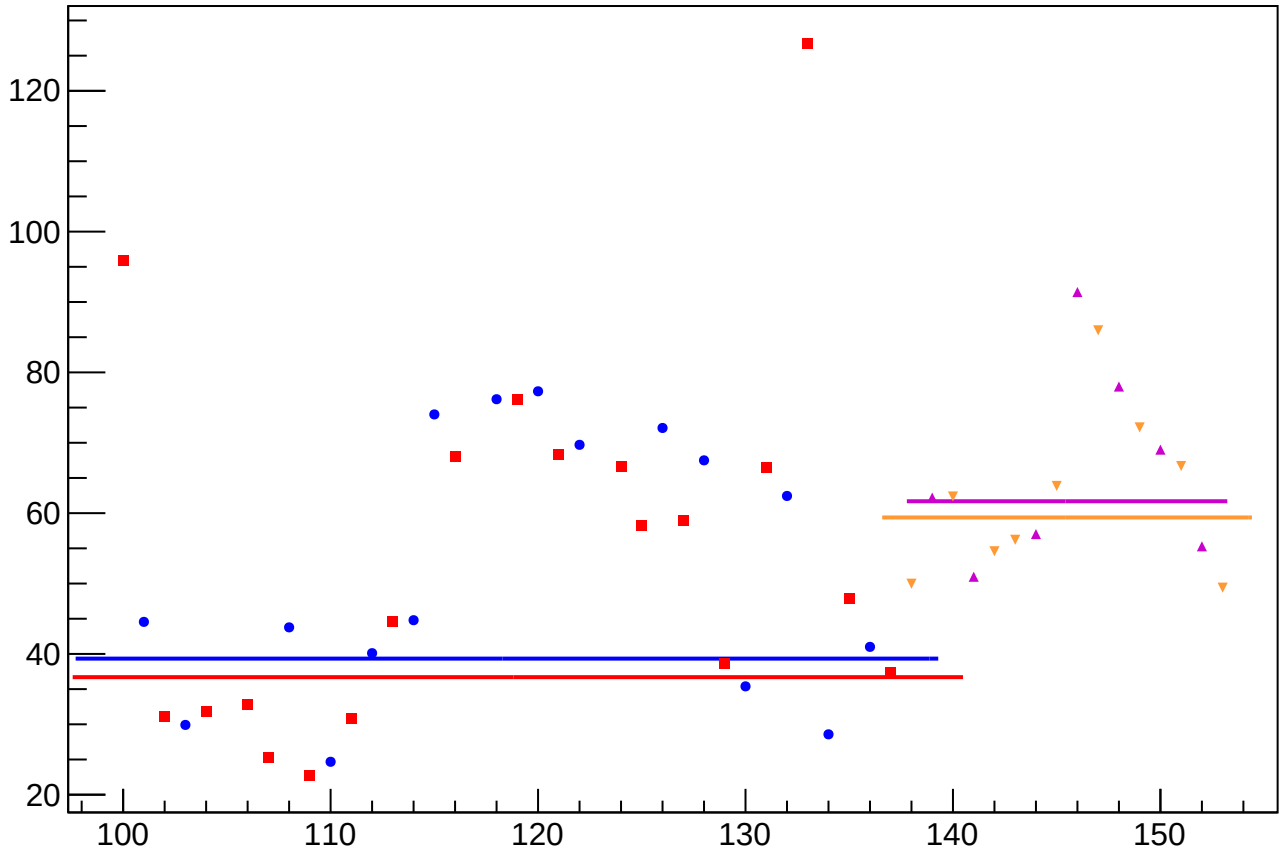
Left: 0.014+/-0.017 χ^2/NDF: 16.1/15

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.040+/-0.014 χ^2/NDF:31.6/22

Out: -0.005+/-0.013 χ^2/NDF:31.0/27

All: 0.016+/-0.009 χ^2/NDF: 68.4/50



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 59.388+/-0.016 χ^2/NDF:365799.6/8

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 61.692+/-0.018 χ^2/NDF:379302.7/6

Left: 60.421+/-0.012 χ^2/NDF: 753982.1/15

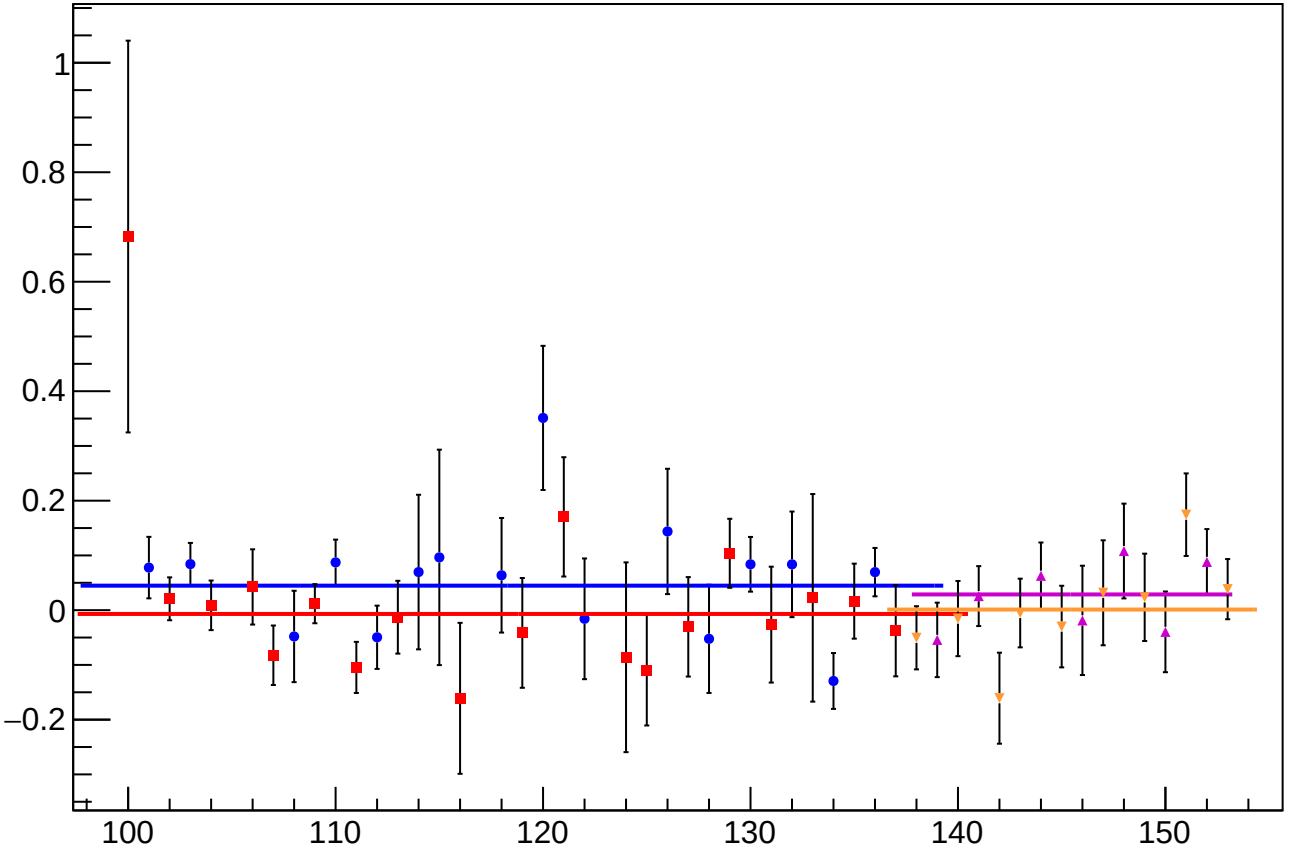
Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 45.597+/-0.010 χ^2/NDF:3036819.8/22

Out: 43.472+/-0.009 χ^2/NDF:3808370.4/27

All: 44.458+/-0.007 χ^2/NDF: 6871369.5/50

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: 0.001+/-0.023 χ^2/NDF:10.8/8

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: 0.029+/-0.026 χ^2/NDF:4.7/6

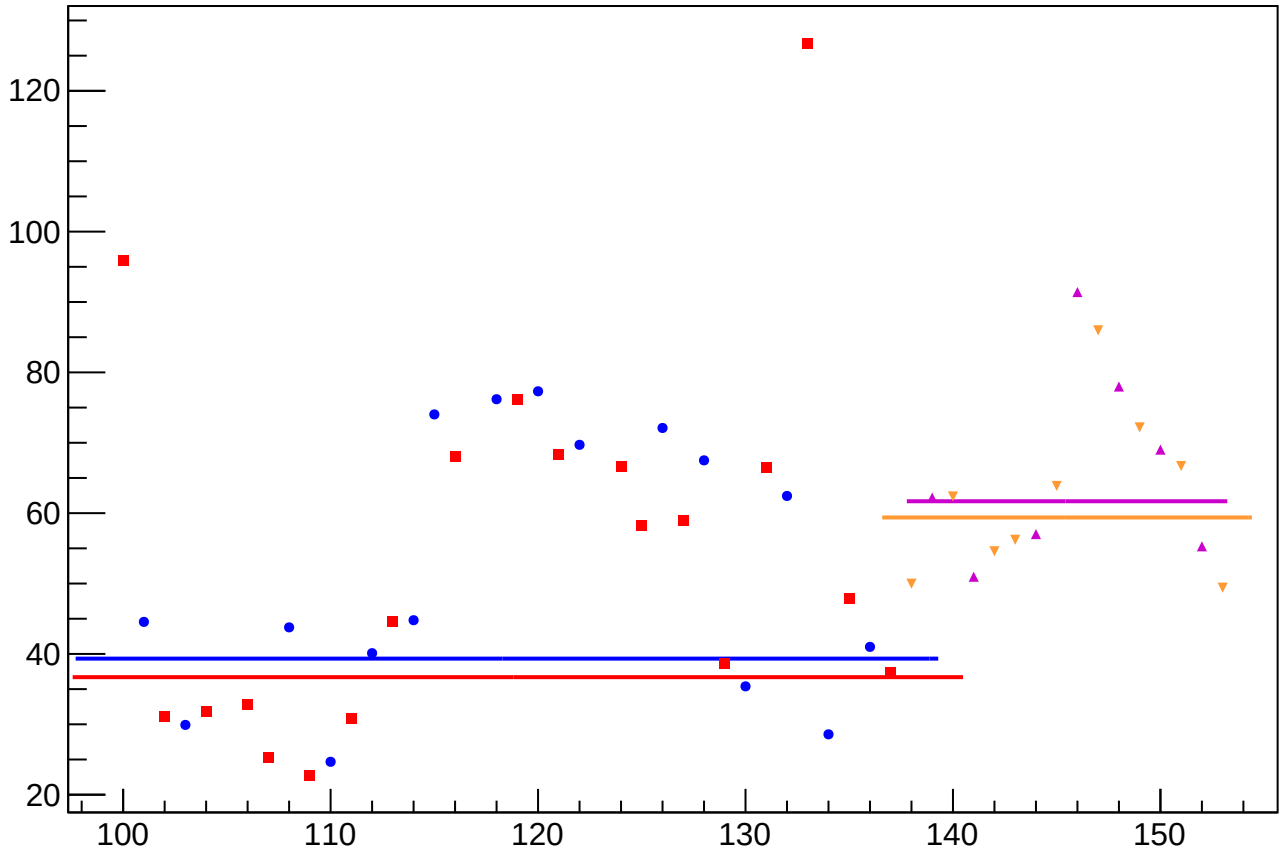
Left: 0.014+/-0.017 χ^2/NDF: 16.1/15

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.040+/-0.014 χ^2/NDF:31.6/22

Out: -0.005+/-0.013 χ^2/NDF:31.0/27

All: 0.016+/-0.009 χ^2/NDF: 68.4/50



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 59.388+/-0.016 χ^2/NDF:365799.6/8

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 61.692+/-0.018 χ^2/NDF:379302.7/6

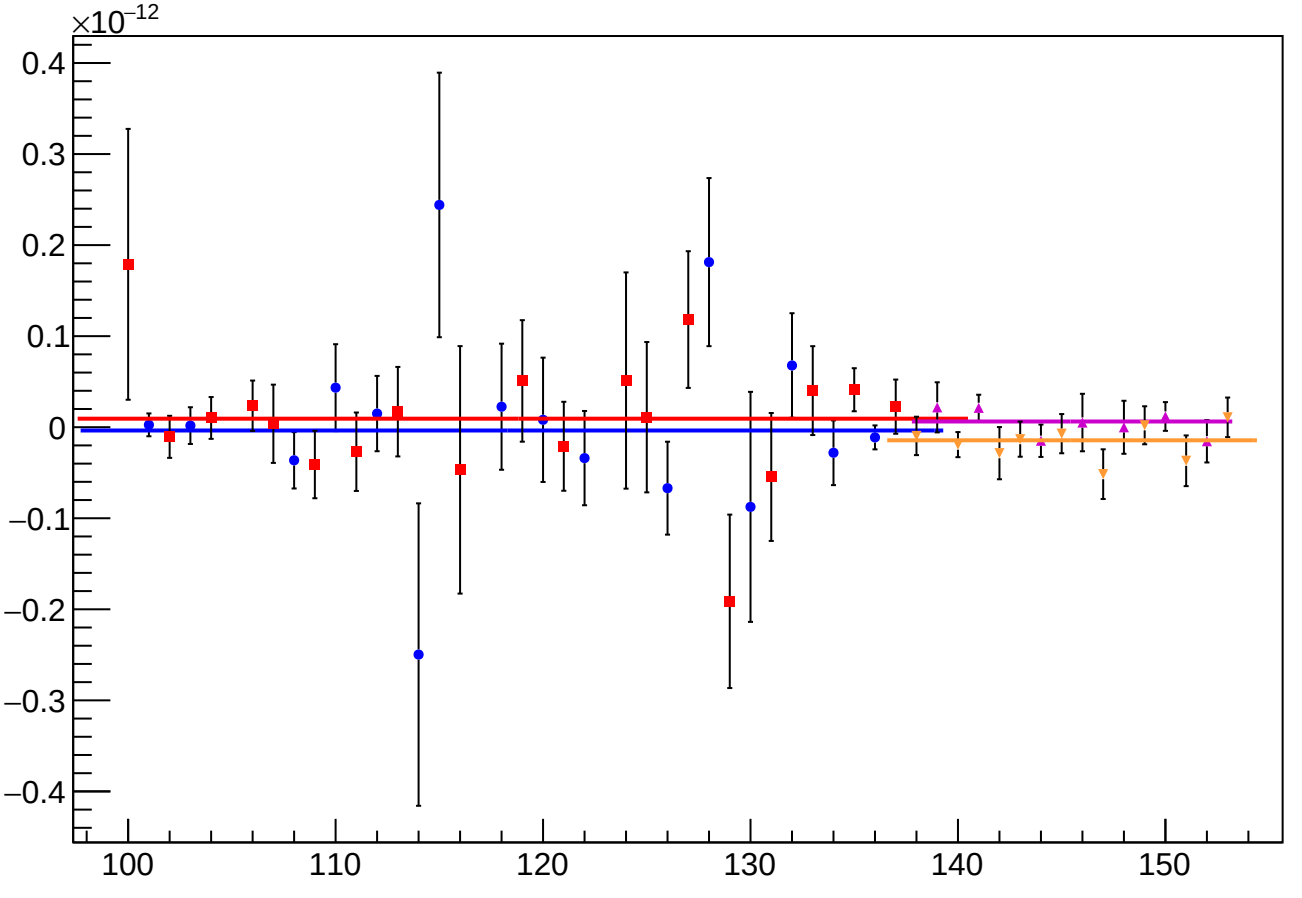
Left: 60.421+/-0.012 χ^2/NDF: 753982.1/15

Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 45.597+/-0.010 χ^2/NDF:3036819.8/22

Out: 43.472+/-0.009 χ^2/NDF:3808370.4/27

All: 44.458+/-0.007 χ^2/NDF: 6871369.5/50



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.0/8

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: 0.000+/-0.000 χ^2/NDF:3.9/6

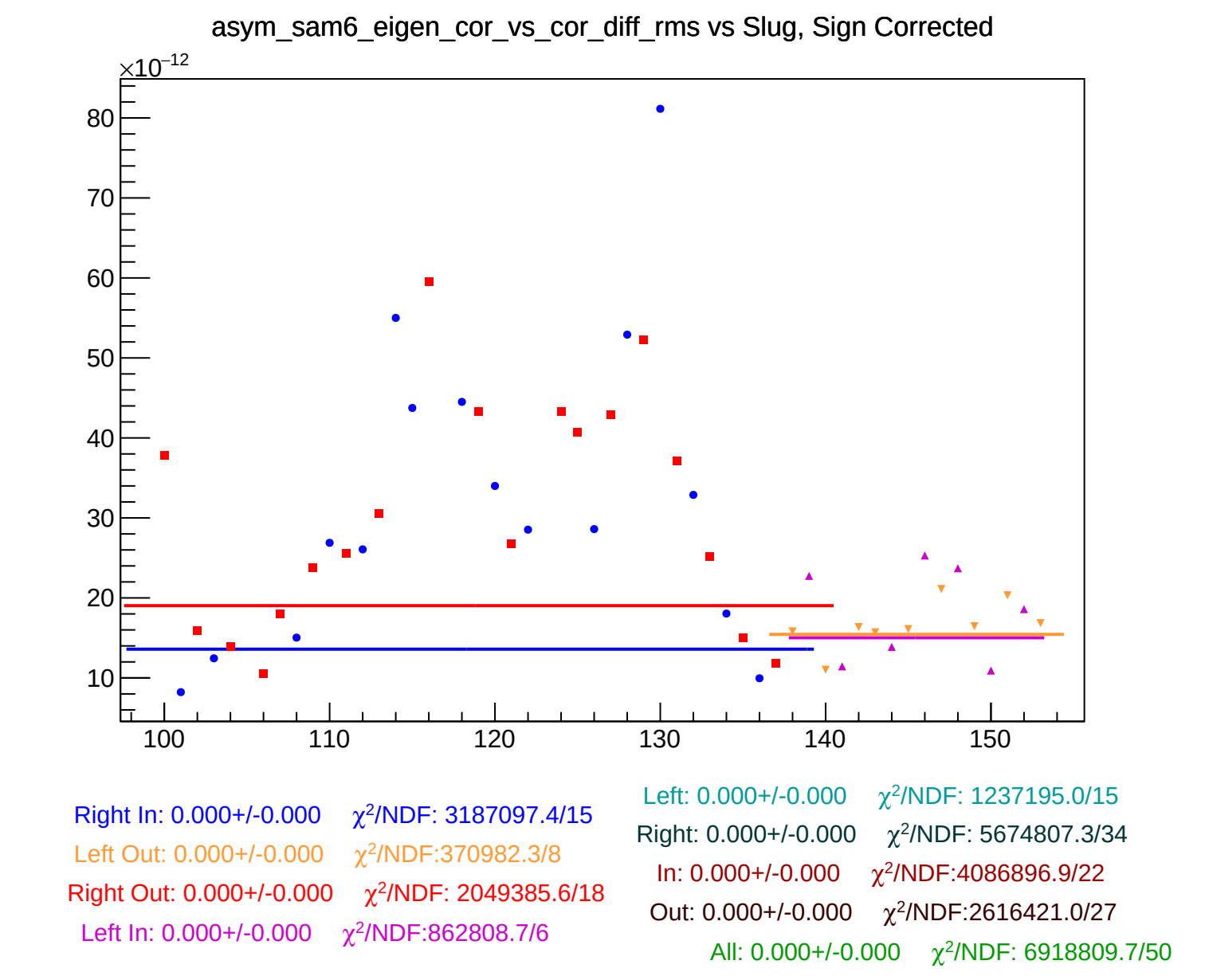
Left: -0.000+/-0.000 χ^2/NDF: 12.9/15

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

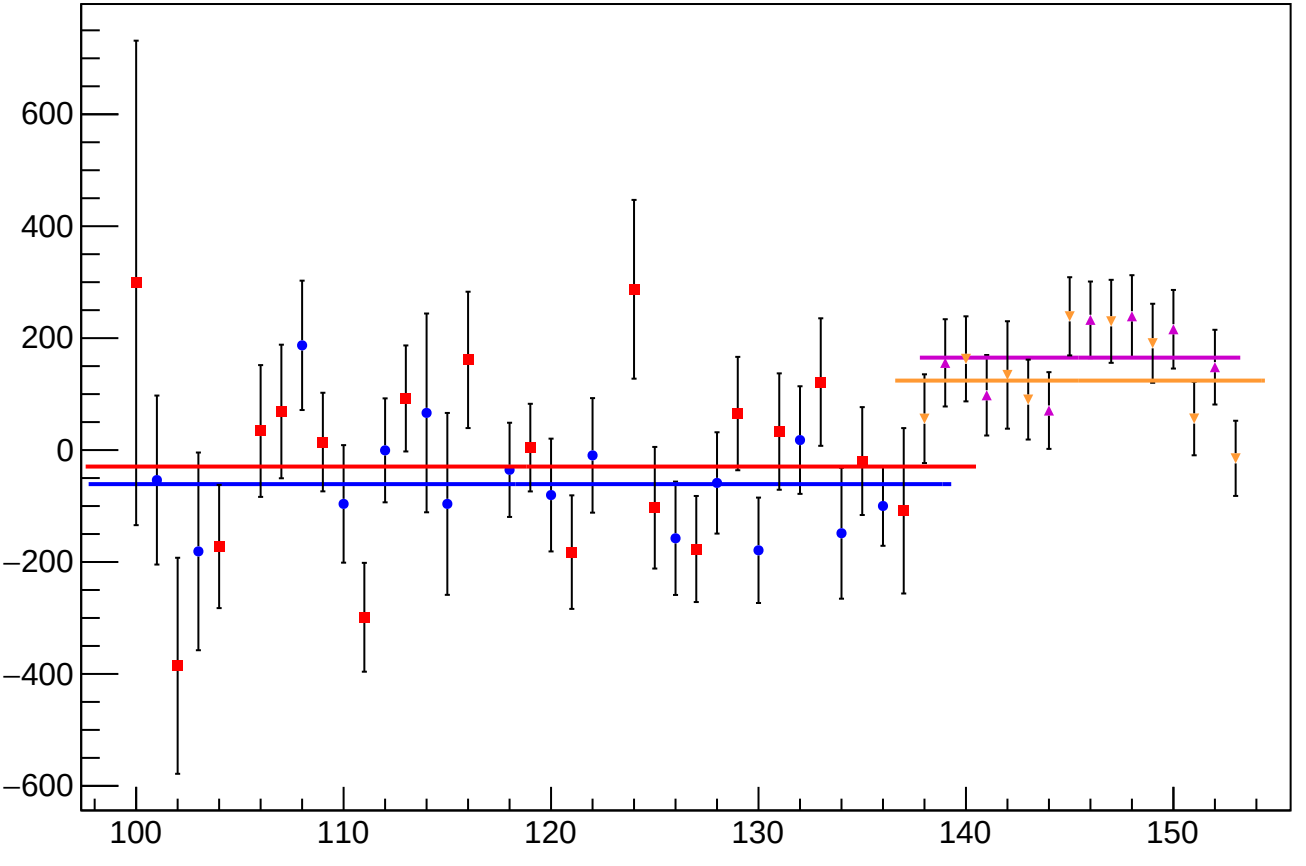
In: 0.000+/-0.000 χ^2/NDF:21.3/22

Out: -0.000+/-0.000 χ^2/NDF:25.1/27

All: -0.000+/-0.000 χ^2/NDF: 47.2/50


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
Right In: 0.000+/-0.000 χ²/NDF: 3187097.4/15
Left Out: 0.000+/-0.000 χ²/NDF:370982.3/8
Right Out: 0.000+/-0.000 χ²/NDF: 2049385.6/18
Left In: 0.000+/-0.000 χ²/NDF:862808.7/6
Left: 0.000+/-0.000 χ²/NDF: 1237195.0/15
Right: 0.000+/-0.000 χ²/NDF: 5674807.3/34
In: 0.000+/-0.000 χ²/NDF:4086896.9/22
Out: 0.000+/-0.000 χ²/NDF:2616421.0/27
All: 0.000+/-0.000 χ²/NDF: 6918809.7/50

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 124.154+/-24.411 χ^2/NDF:12.2/8

Right Out: -29.453+/-25.105 χ^2/NDF: 31.2/18

Left In: 165.154+/-26.755 χ^2/NDF:5.4/6

Left: 142.780+/-18.033 χ^2/NDF: 18.9/15

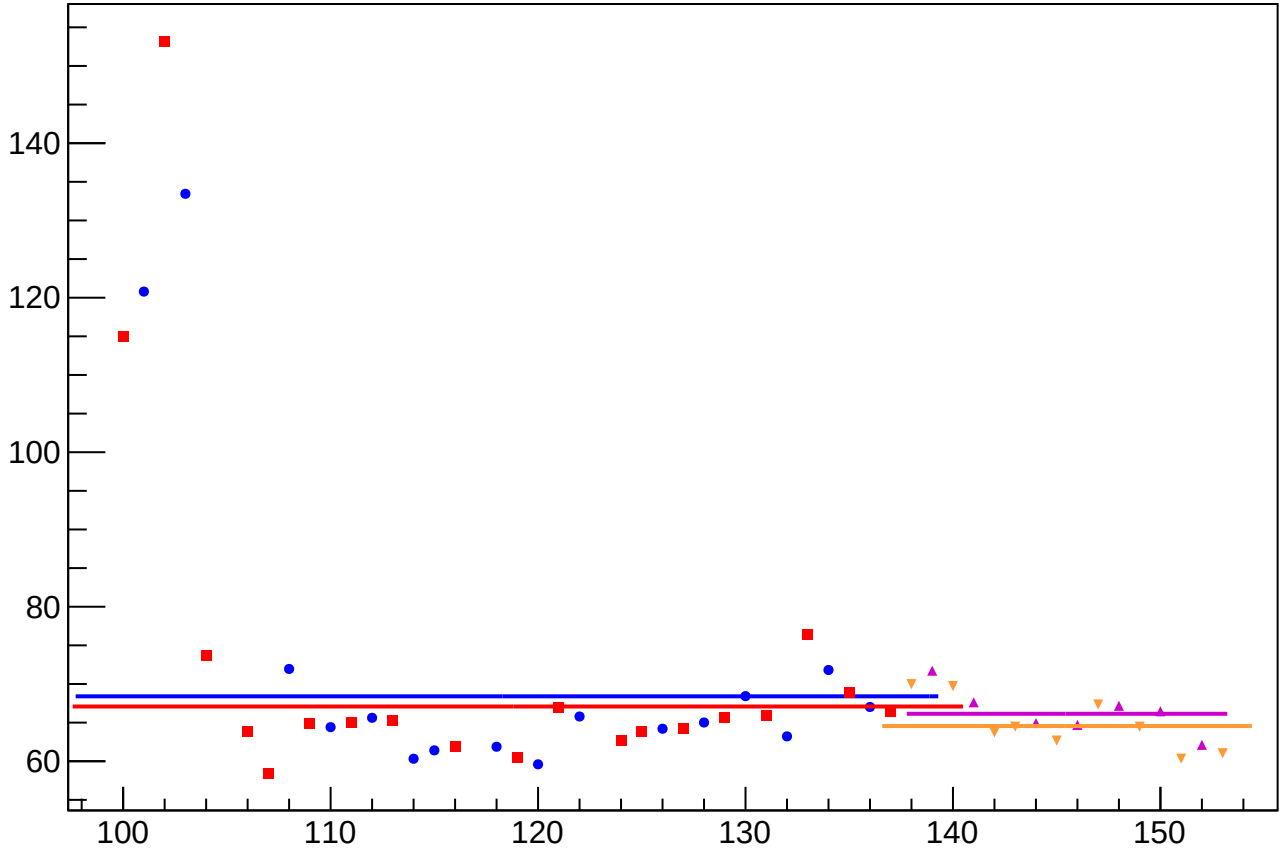
Right: -44.568+/-18.078 χ^2/NDF: 42.5/34

In: 49.153+/-18.666 χ^2/NDF:52.6/22

Out: 49.503+/-17.502 χ^2/NDF:62.7/27

All: 49.339+/-12.767 χ^2/NDF: 115.2/50

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 64.554+/-0.017 χ^2/NDF:36860.8/8

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

Left In: 66.143+/-0.019 χ^2/NDF:20287.3/6

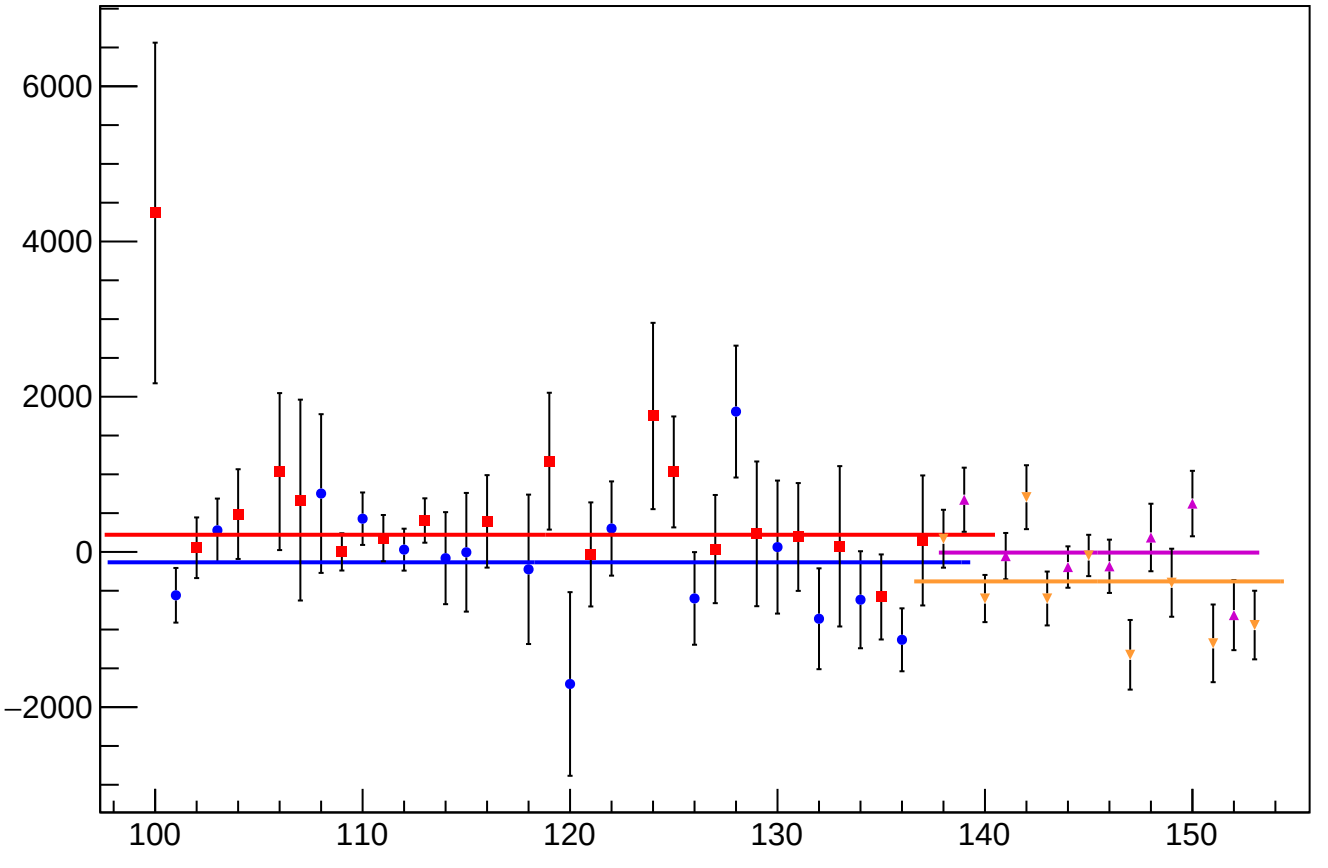
Left: 65.276+/-0.013 χ^2/NDF: 60996.2/15

Right: 67.720+/-0.013 χ^2/NDF: 1054024.8/34

In: 67.303+/-0.013 χ^2/NDF:597173.6/22

Out: 65.784+/-0.012 χ^2/NDF:529130.5/27

All: 66.495+/-0.009 χ^2/NDF: 1133348.8/50



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -379.689+/-123.473 χ^2/NDF:20.2/8

Right Out: 221.324+/-117.783 χ^2/NDF: 12.5/18

Left In: -8.357+/-134.283 χ^2/NDF:9.1/6

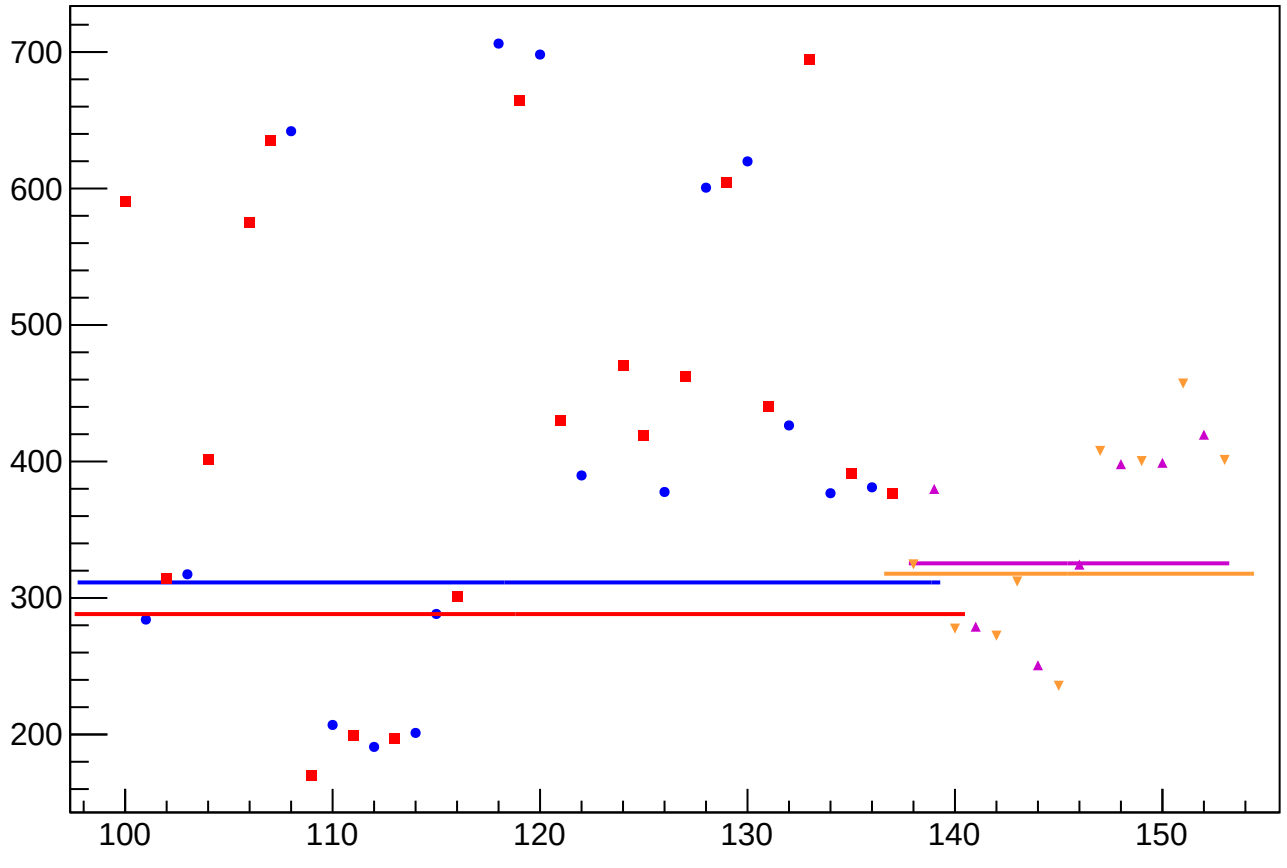
Left: -209.569+/-90.890 χ^2/NDF: 33.5/15

Right: 55.682+/-86.013 χ^2/NDF: 39.2/34

In: -75.003+/-91.847 χ^2/NDF:32.0/22

Out: -65.014+/-85.226 χ^2/NDF:45.2/27

All: -69.635+/-62.473 χ^2/NDF: 77.2/50



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 317.778+/-0.087 χ^2/NDF:628154.5/8

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

Left In: 325.381+/-0.095 χ^2/NDF:443975.5/6

Left: 321.261+/-0.064 χ^2/NDF: 1075604.8/15

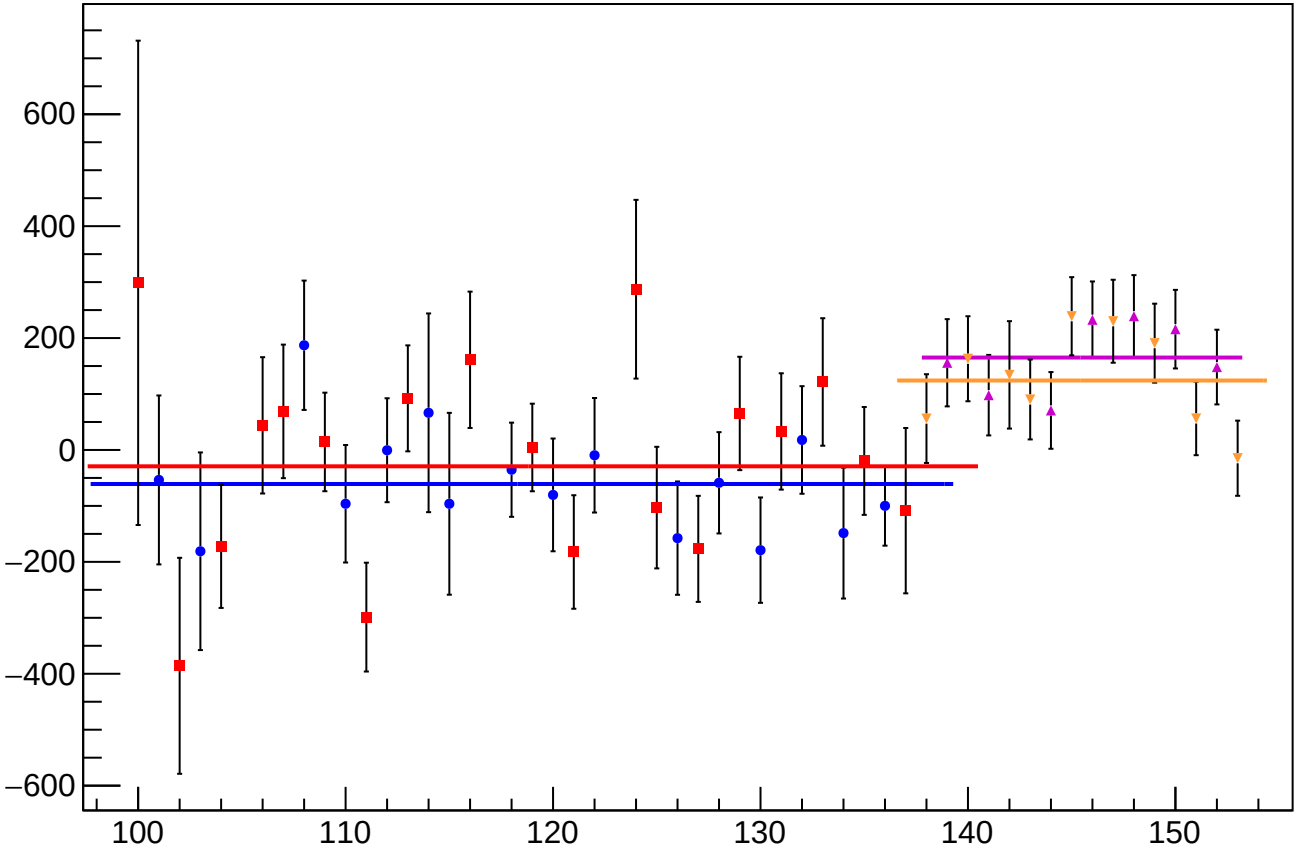
Right: 299.024+/-0.061 χ^2/NDF: 4875335.3/34

In: 317.933+/-0.065 χ^2/NDF:2579334.1/22

Out: 302.294+/-0.060 χ^2/NDF:3403603.6/27

All: 309.530+/-0.044 χ^2/NDF: 6014097.4/50

cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 124.155+/-24.411 χ^2/NDF:12.2/8

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 165.154+/-26.755 χ^2/NDF:5.4/6

Left: 142.781+/-18.033 χ^2/NDF: 18.9/15

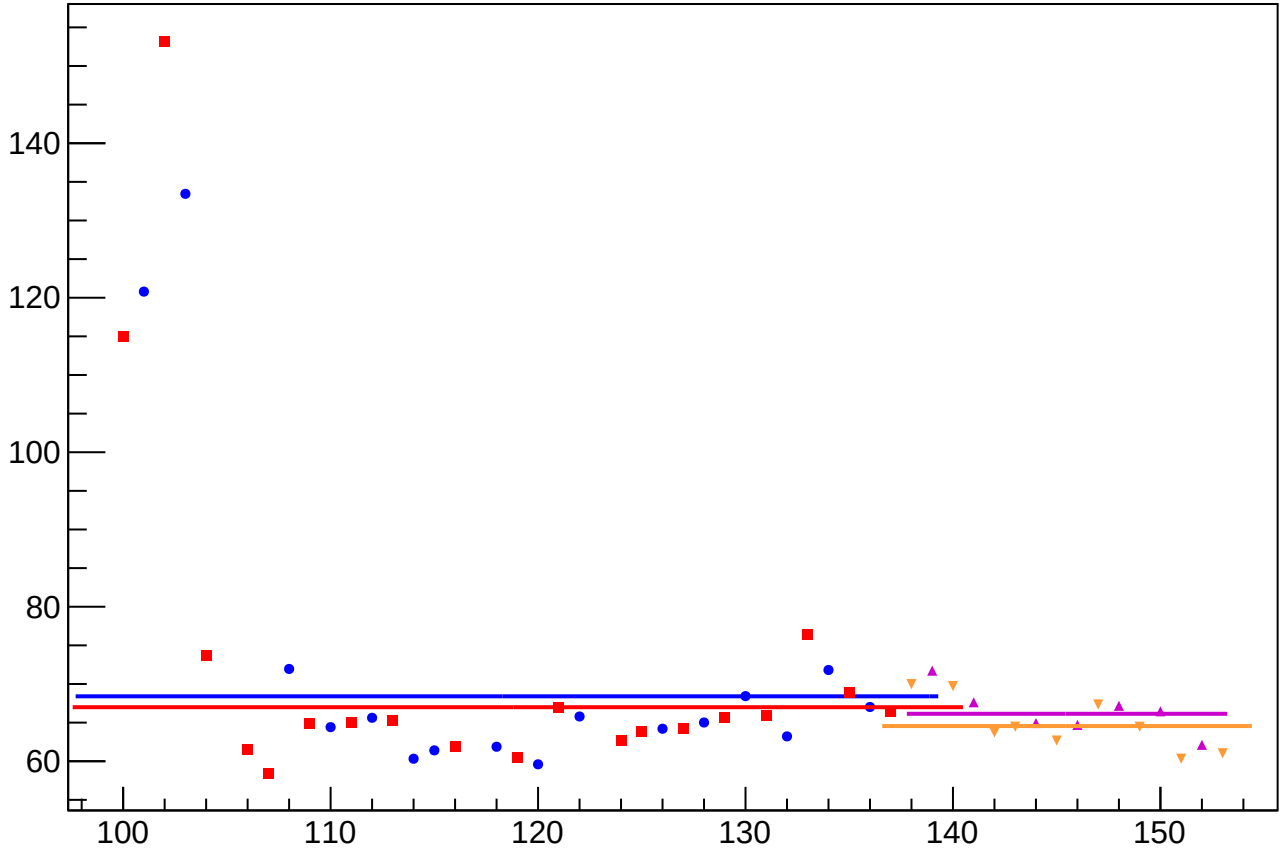
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 49.152+/-18.666 χ^2/NDF:52.6/22

Out: 49.731+/-17.514 χ^2/NDF:62.6/27

All: 49.460+/-12.772 χ^2/NDF: 115.2/50

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 64.554+/-0.017 χ^2/NDF:36860.8/8

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 66.143+/-0.019 χ^2/NDF:20287.3/6

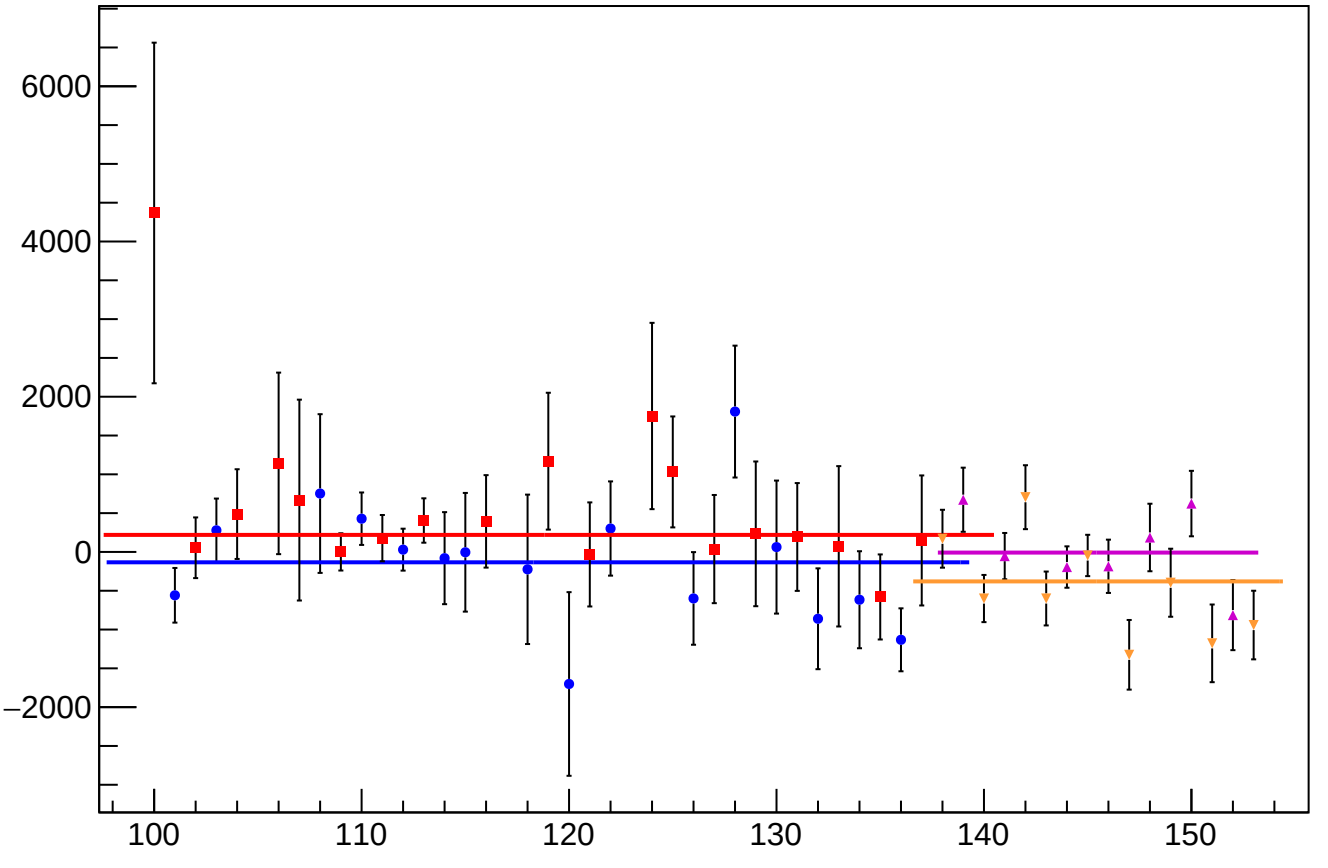
Left: 65.276+/-0.013 χ^2/NDF: 60996.2/15

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 67.303+/-0.013 χ^2/NDF:597174.0/22

Out: 65.738+/-0.012 χ^2/NDF:531049.2/27

All: 66.471+/-0.009 χ^2/NDF: 1135697.0/50



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -379.687+/-123.473 χ^2/NDF:20.2/8

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: -8.360+/-134.283 χ^2/NDF:9.1/6

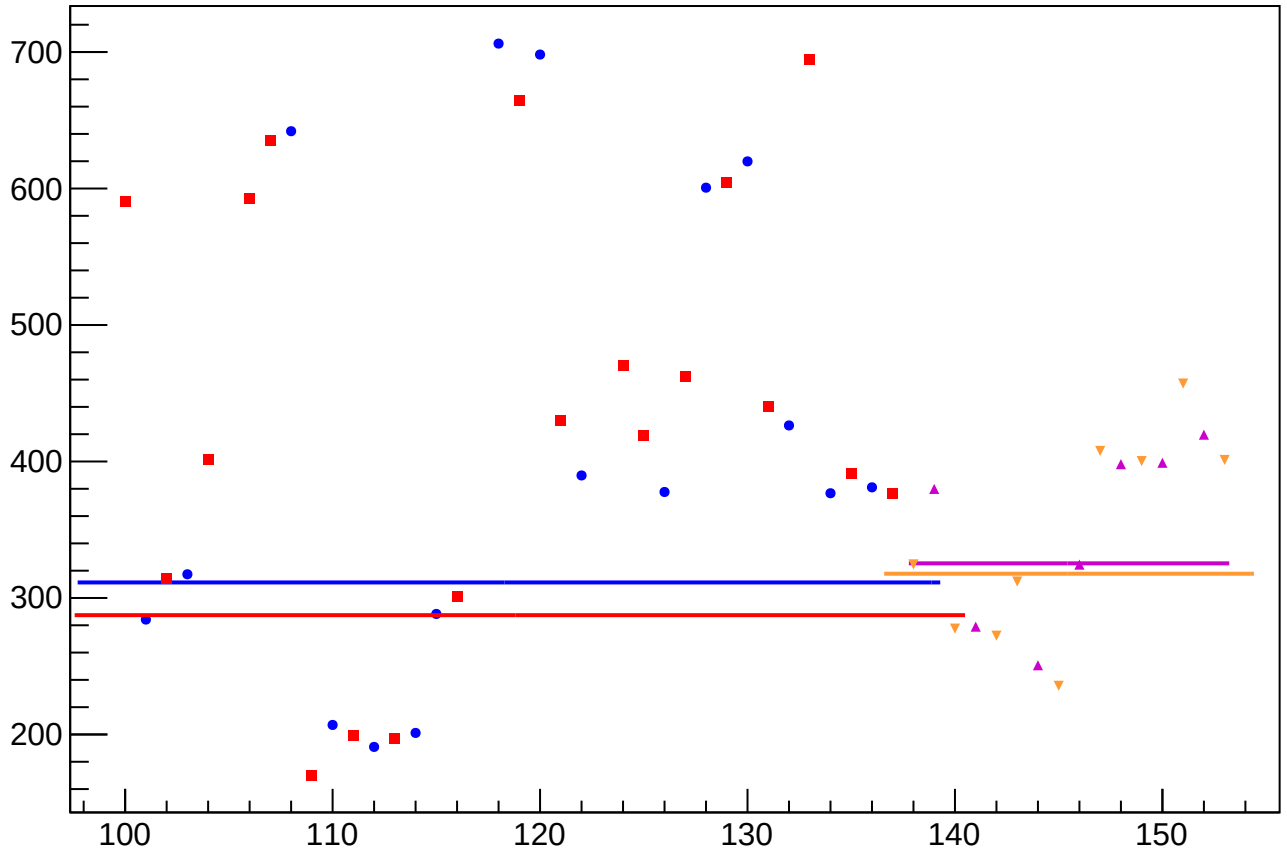
Left: -209.569+/-90.890 χ^2/NDF: 33.5/15

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -75.002+/-91.847 χ^2/NDF:32.0/22

Out: -66.433+/-85.304 χ^2/NDF:45.1/27

All: -70.401+/-62.504 χ^2/NDF: 77.1/50



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 317.777+/-0.087 χ^2/NDF:628158.1/8

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 325.382+/-0.095 χ^2/NDF:443975.4/6

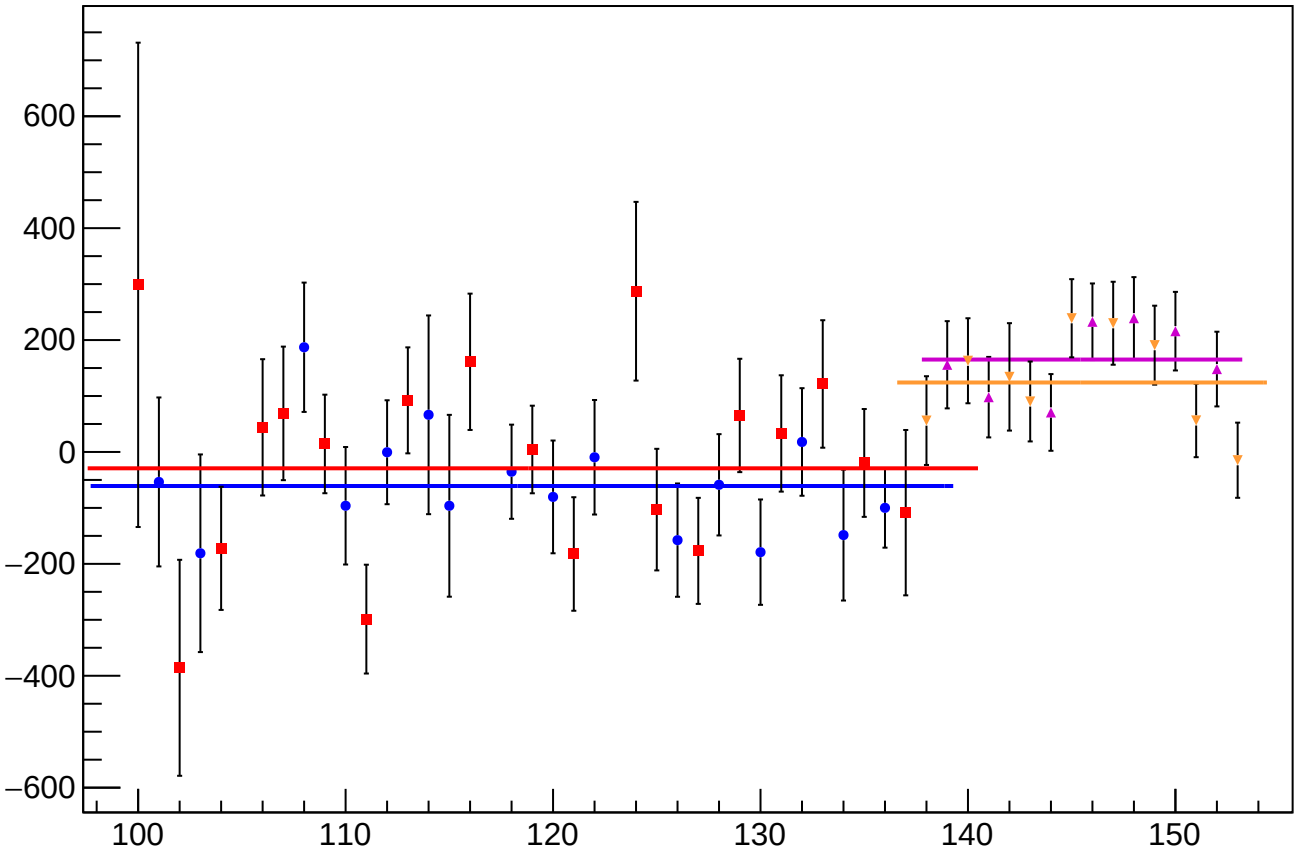
Left: 321.261+/-0.064 χ^2/NDF: 1075608.8/15

Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 317.935+/-0.065 χ^2/NDF:2579332.7/22

Out: 301.906+/-0.060 χ^2/NDF:3381637.4/27

All: 309.329+/-0.044 χ^2/NDF: 5993672.3/50



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 124.155+/-24.411 χ^2/NDF:12.2/8

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 165.154+/-26.755 χ^2/NDF:5.4/6

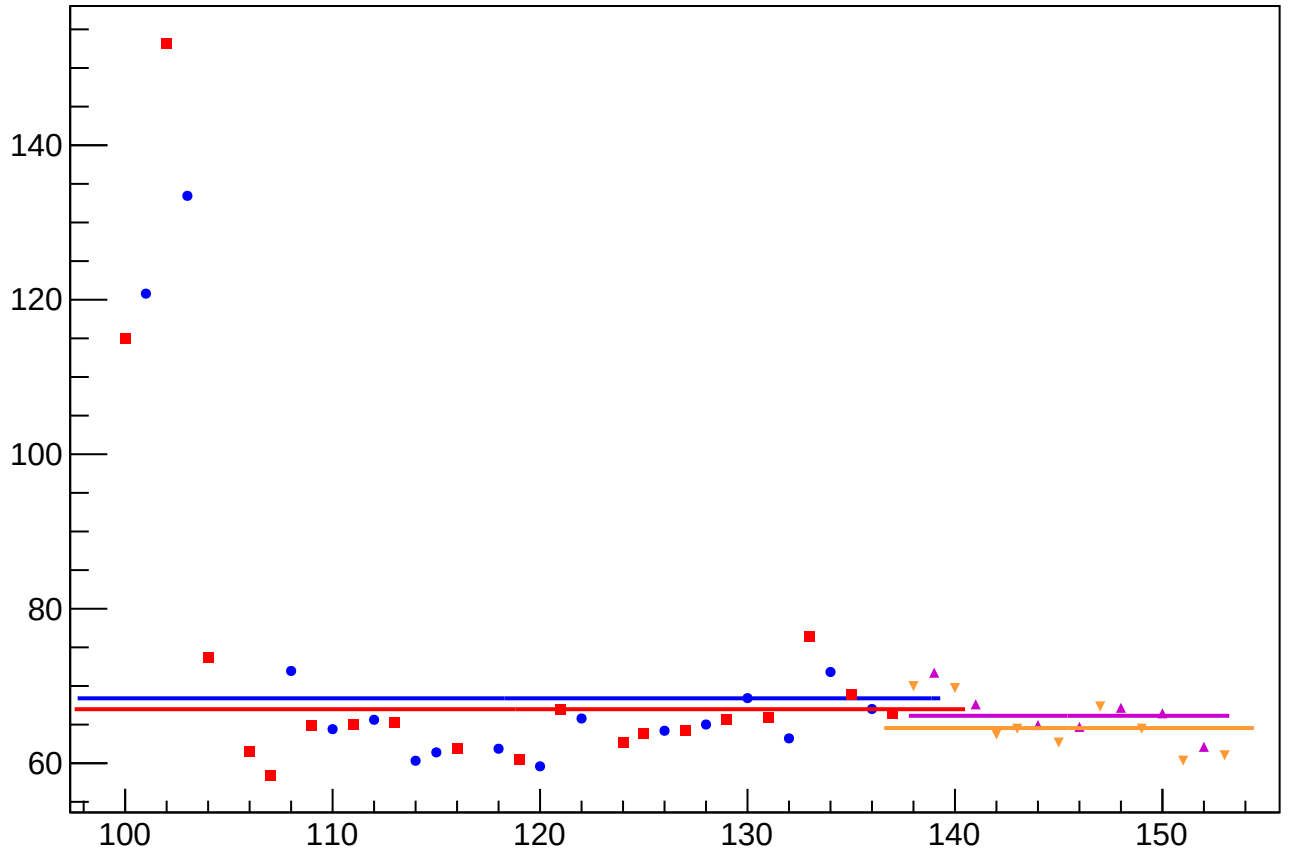
Left: 142.781+/-18.033 χ^2/NDF: 18.9/15

Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 49.152+/-18.666 χ^2/NDF:52.6/22

Out: 49.731+/-17.514 χ^2/NDF:62.6/27

All: 49.460+/-12.772 χ^2/NDF: 115.2/50



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 64.554+/-0.017 χ^2/NDF:36860.8/8

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 66.143+/-0.019 χ^2/NDF:20287.3/6

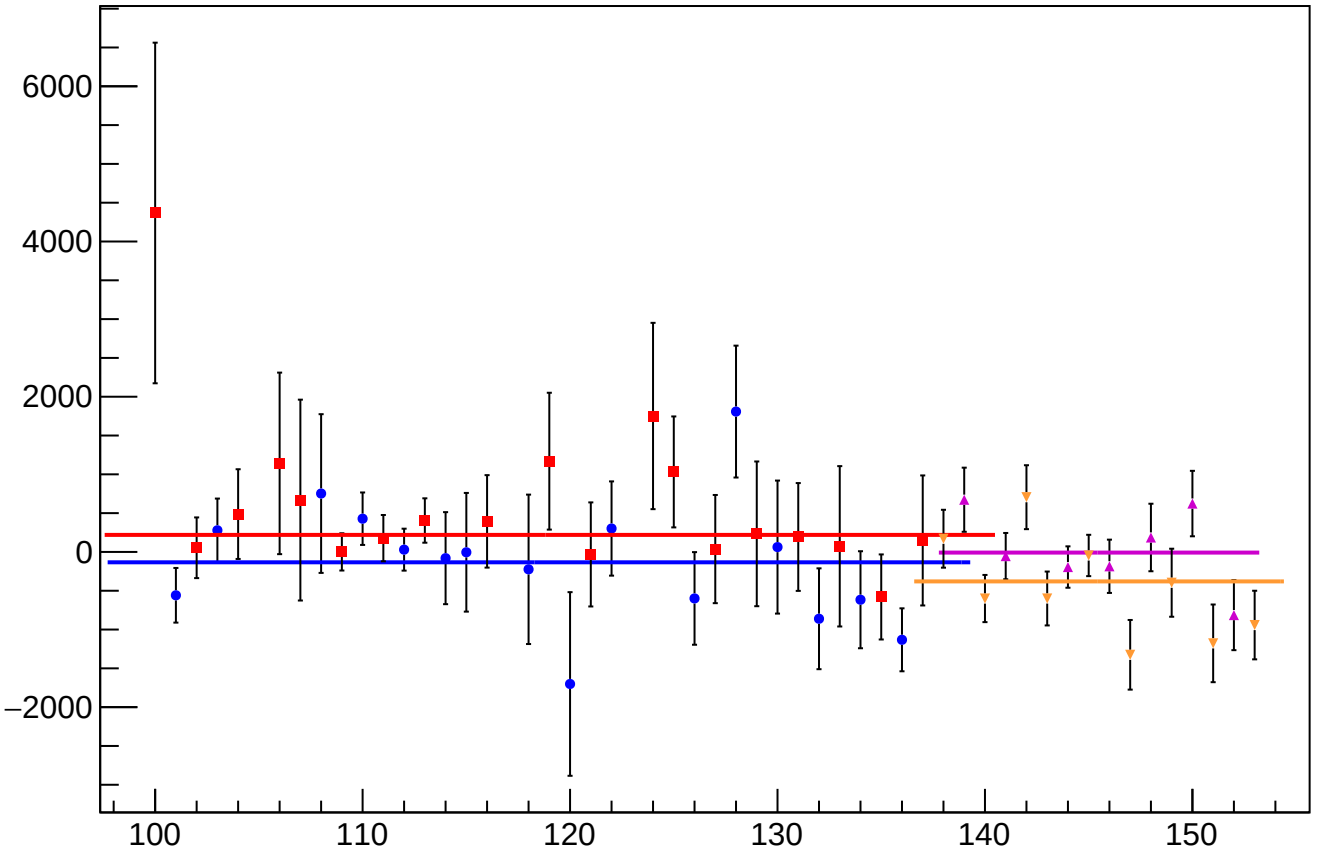
Left: 65.276+/-0.013 χ^2/NDF: 60996.2/15

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 67.303+/-0.013 χ^2/NDF:597174.0/22

Out: 65.738+/-0.012 χ^2/NDF:531049.2/27

All: 66.471+/-0.009 χ^2/NDF: 1135697.0/50



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -379.687+/-123.473 χ^2/NDF:20.2/8

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: -8.360+/-134.283 χ^2/NDF:9.1/6

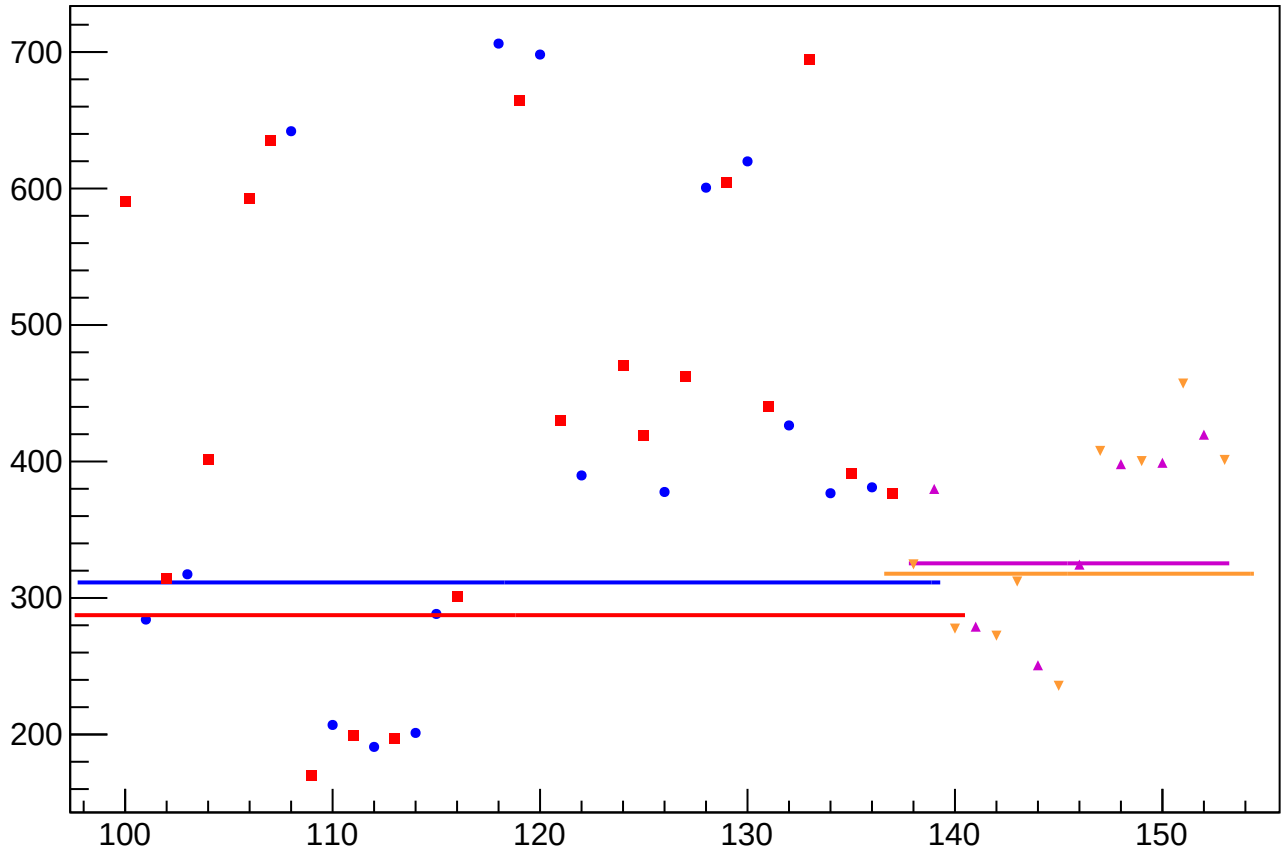
Left: -209.569+/-90.890 χ^2/NDF: 33.5/15

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -75.002+/-91.847 χ^2/NDF:32.0/22

Out: -66.433+/-85.304 χ^2/NDF:45.1/27

All: -70.401+/-62.504 χ^2/NDF: 77.1/50



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 317.777+/-0.087 χ^2/NDF:628158.1/8

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 325.382+/-0.095 χ^2/NDF:443975.4/6

Left: 321.261+/-0.064 χ^2/NDF: 1075608.8/15

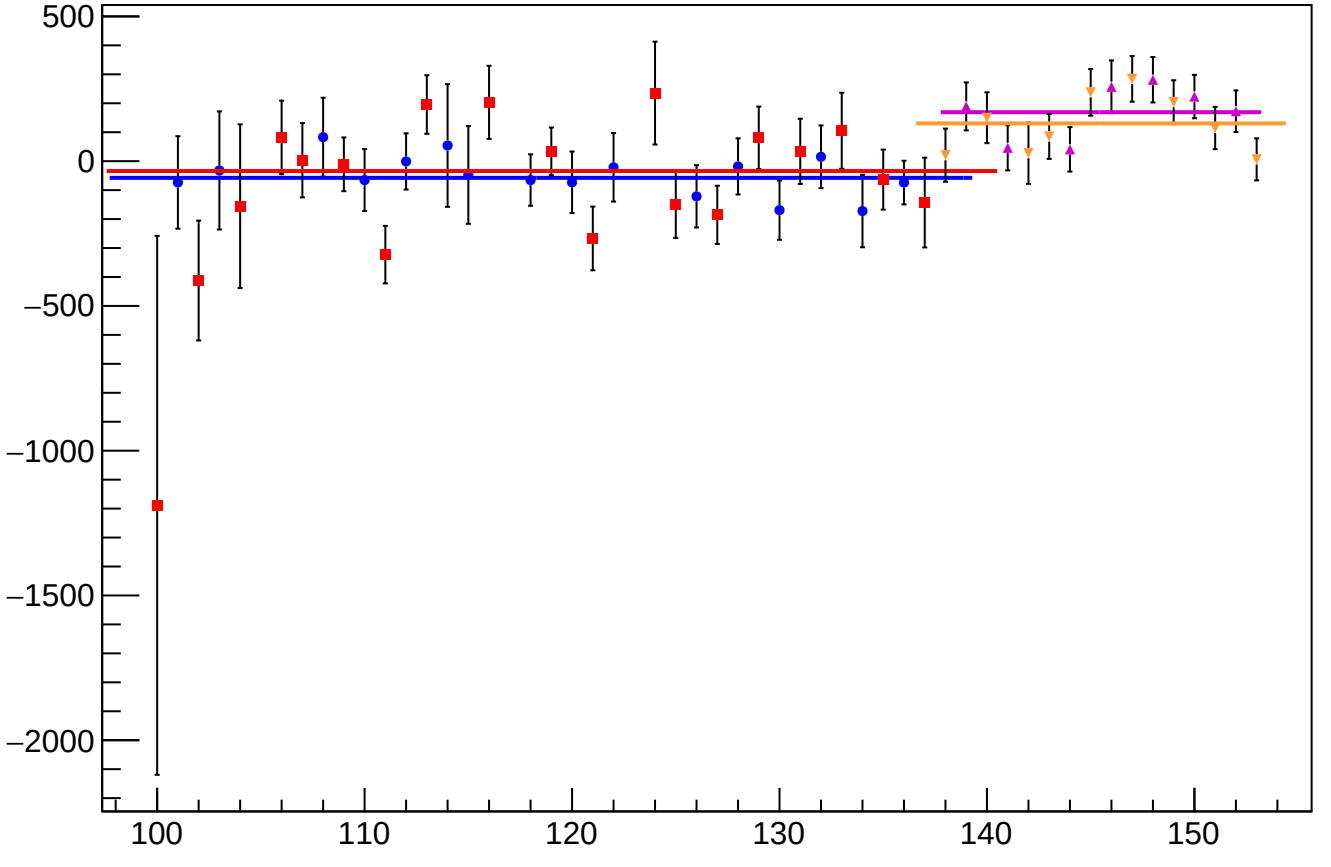
Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 317.935+/-0.065 χ^2/NDF:2579332.7/22

Out: 301.906+/-0.060 χ^2/NDF:3381637.4/27

All: 309.329+/-0.044 χ^2/NDF: 5993672.3/50

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 130.535+/-27.010 χ^2/NDF:12.2/8

Right Out: -34.033+/-27.398 χ^2/NDF: 37.1/18

Left In: 169.123+/-29.677 χ^2/NDF:8.8/6

Left: 148.018+/-19.976 χ^2/NDF: 22.0/15

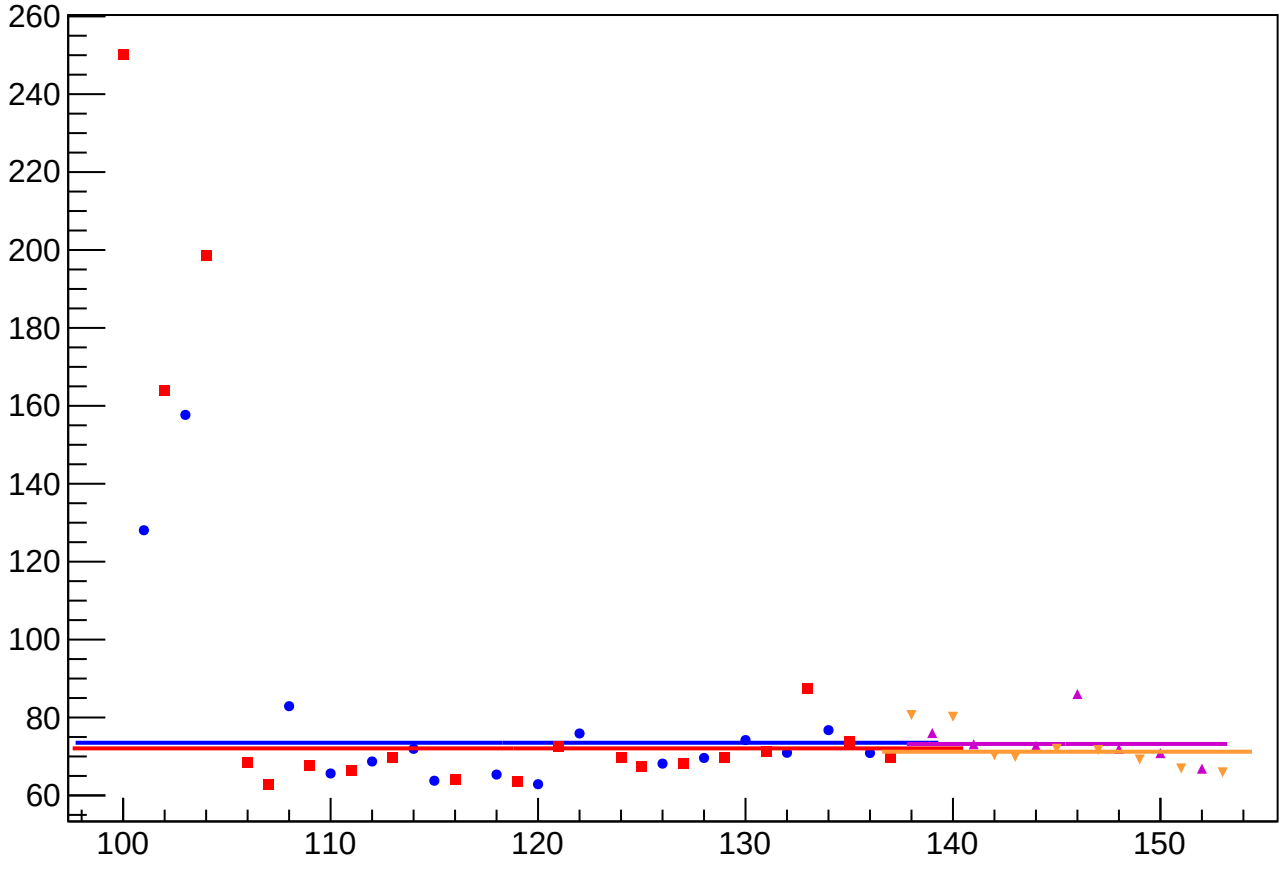
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 49.559+/-20.400 χ^2/NDF:44.5/22

Out: 49.424+/-19.235 χ^2/NDF:67.7/27

All: 49.487+/-13.995 χ^2/NDF: 112.2/50

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 71.218+/-0.019 χ^2/NDF:61852.7/8

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

Left In: 73.212+/-0.021 χ^2/NDF:60223.0/6

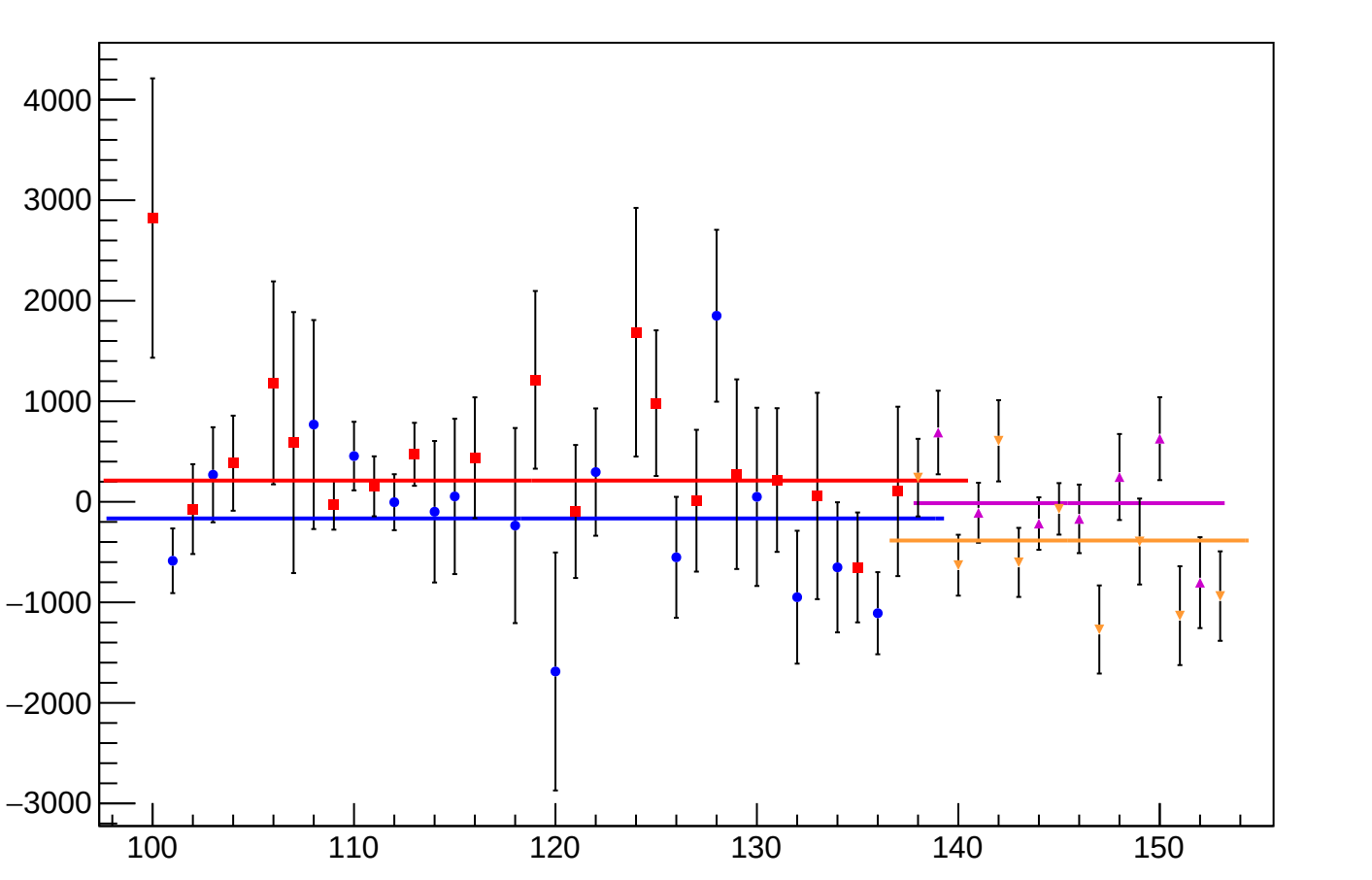
Left: 72.121+/-0.014 χ^2/NDF: 127012.4/15

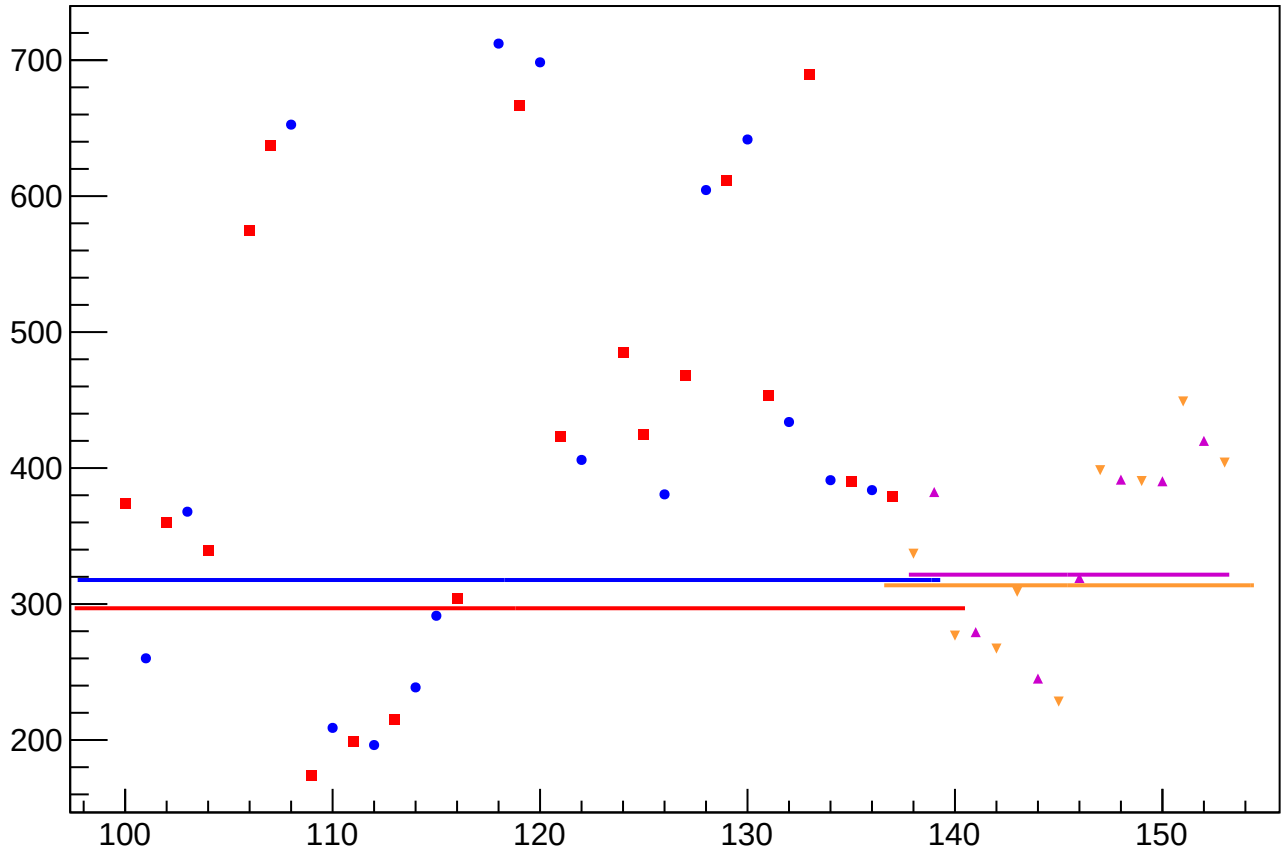
Right: 72.779+/-0.014 χ^2/NDF: 1618055.3/34

In: 73.374+/-0.014 χ^2/NDF:717183.7/22

Out: 71.640+/-0.014 χ^2/NDF:1021337.7/27

All: 72.456+/-0.010 χ^2/NDF: 1746170.4/50


asym_sam7_dit_correction_mean vs Slug, Sign Corrected
4000
3000
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
Right In: -165.500+/-128.438 χ²/NDF: 22.6/15
Left Out: -384.973+/-121.883 χ²/NDF:19.2/8
Right Out: 211.347+/-120.122 χ²/NDF: 13.6/18
Left In: -13.580+/-132.940 χ²/NDF:9.6/6
Left: -215.362+/-89.840 χ²/NDF: 33.0/15
Right: 35.518+/-87.732 χ²/NDF: 40.8/34
In: -92.156+/-92.370 χ²/NDF:32.9/22
Out: -82.473+/-85.555 χ²/NDF:44.9/27
All: -86.944+/-62.768 χ²/NDF: 77.8/50



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 313.778+/-0.086 χ^2/NDF:659132.2/8

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

Left In: 321.591+/-0.094 χ^2/NDF:458422.2/6

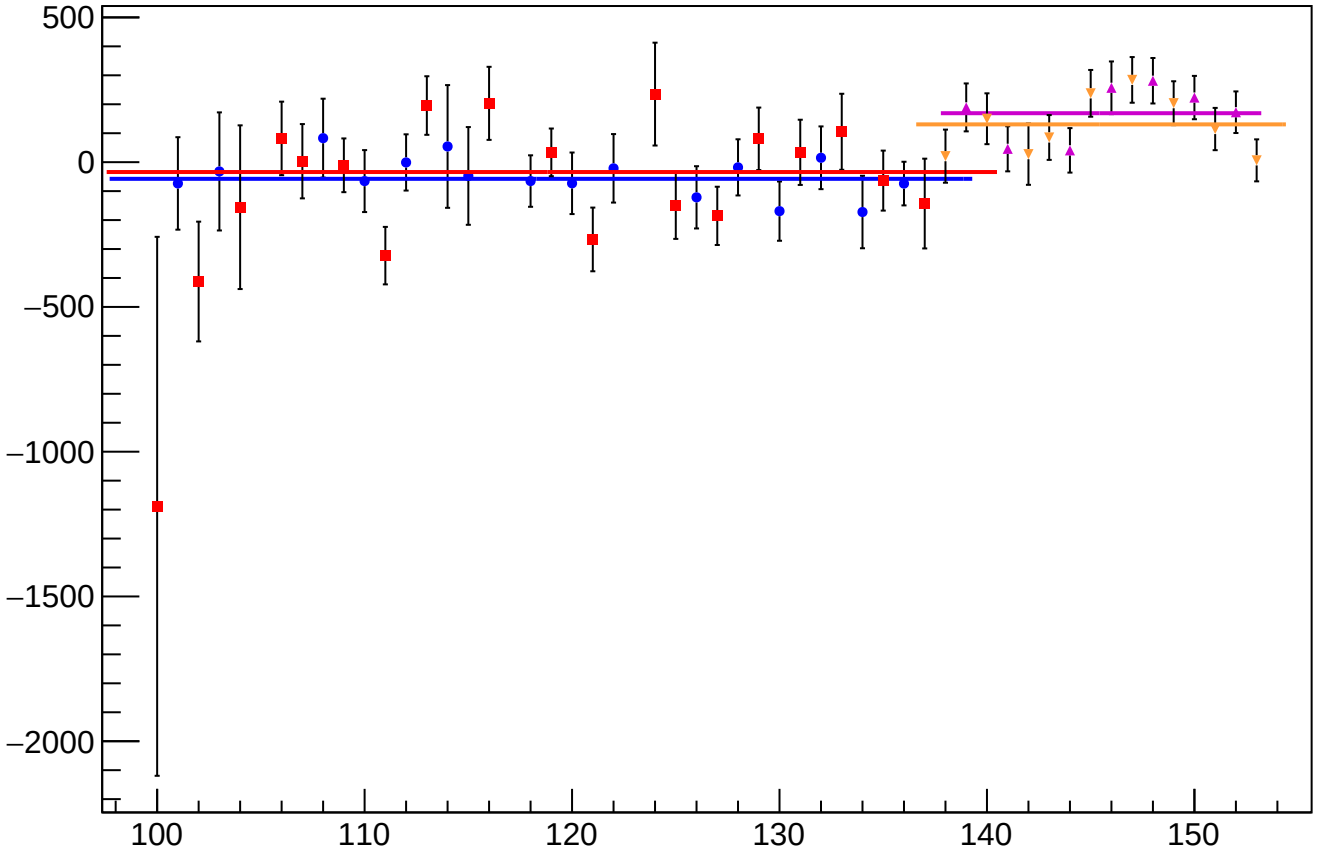
Left: 317.346+/-0.064 χ^2/NDF: 1121307.8/15

Right: 306.582+/-0.062 χ^2/NDF: 4705147.7/34

In: 319.560+/-0.065 χ^2/NDF:2595517.6/22

Out: 305.210+/-0.060 χ^2/NDF:3219654.0/27

All: 311.836+/-0.044 χ^2/NDF: 5841151.9/50



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 130.534+/-27.010 χ^2/NDF:12.2/8

Right Out: -34.034+/-27.398 χ^2/NDF: 37.1/18

Left In: 169.123+/-29.677 χ^2/NDF:8.8/6

Left: 148.017+/-19.976 χ^2/NDF: 22.0/15

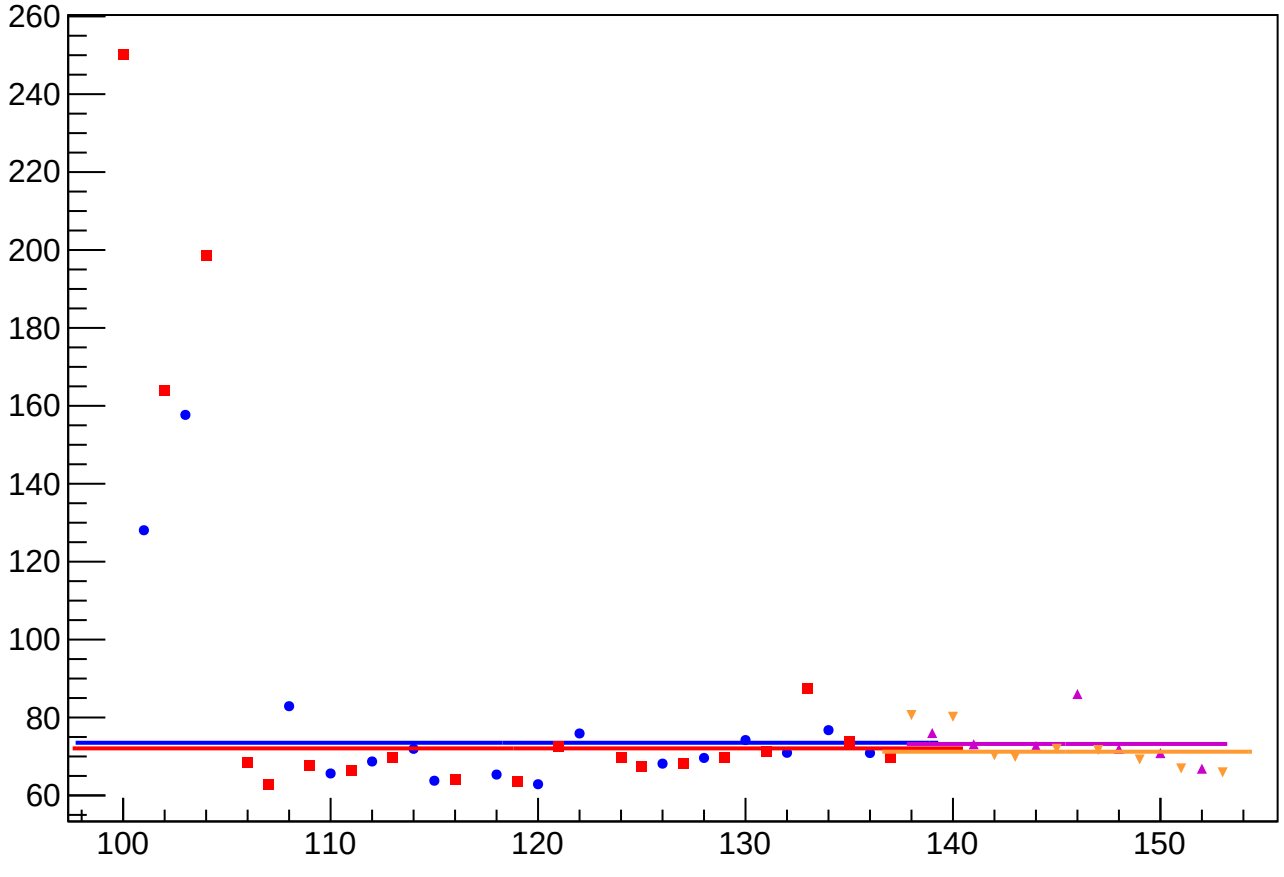
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 49.559+/-20.400 χ^2/NDF:44.5/22

Out: 49.422+/-19.235 χ^2/NDF:67.7/27

All: 49.487+/-13.995 χ^2/NDF: 112.2/50

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 71.218+/-0.019 χ^2/NDF:61852.6/8

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

Left In: 73.212+/-0.021 χ^2/NDF:60223.6/6

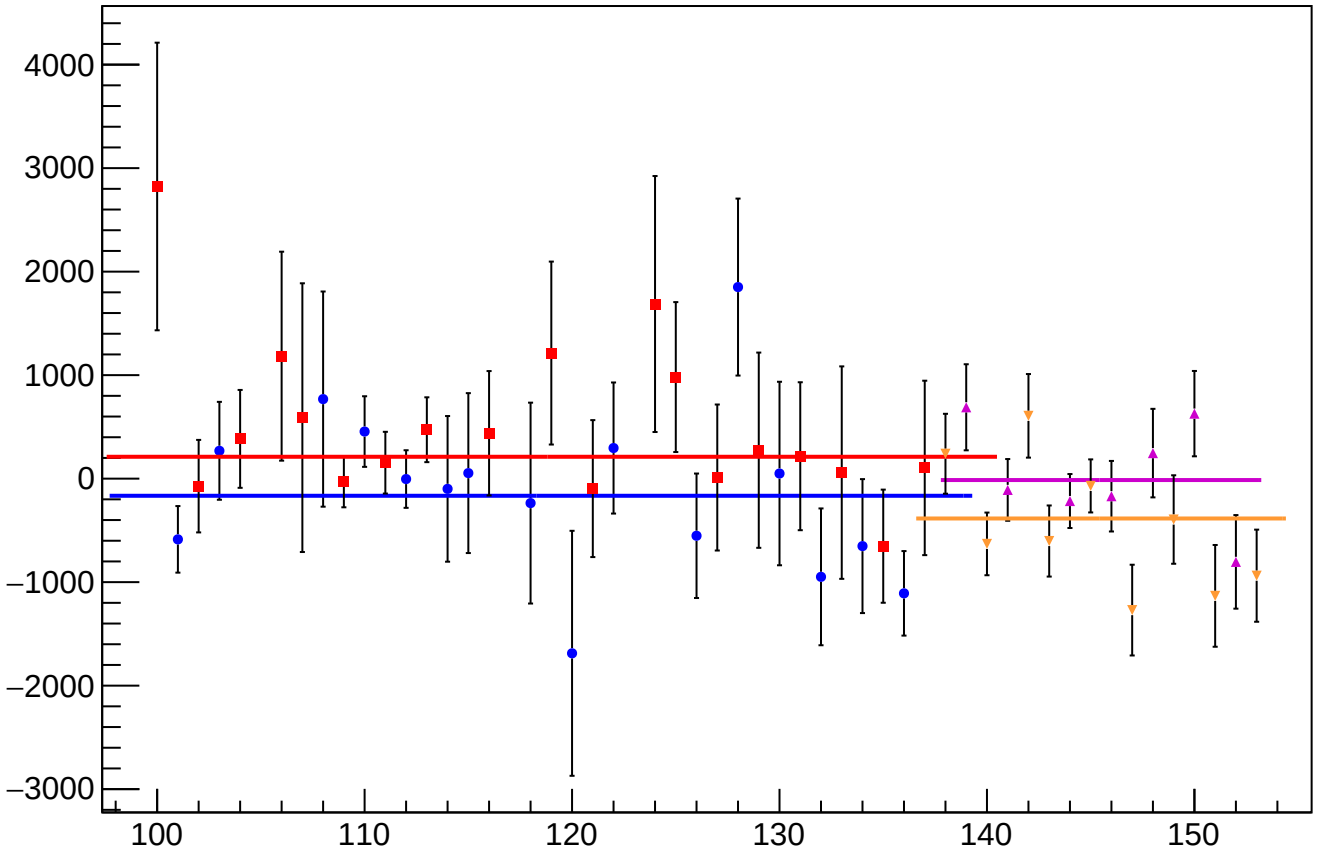
Left: 72.121+/-0.014 χ^2/NDF: 127013.0/15

Right: 72.778+/-0.014 χ^2/NDF: 1618058.1/34

In: 73.374+/-0.014 χ^2/NDF:717185.9/22

Out: 71.640+/-0.014 χ^2/NDF:1021338.7/27

All: 72.456+/-0.010 χ^2/NDF: 1746173.5/50



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -384.974+/-121.883 χ^2/NDF:19.2/8

Right Out: 211.347+/-120.121 χ^2/NDF: 13.6/18

Left In: -13.580+/-132.940 χ^2/NDF:9.6/6

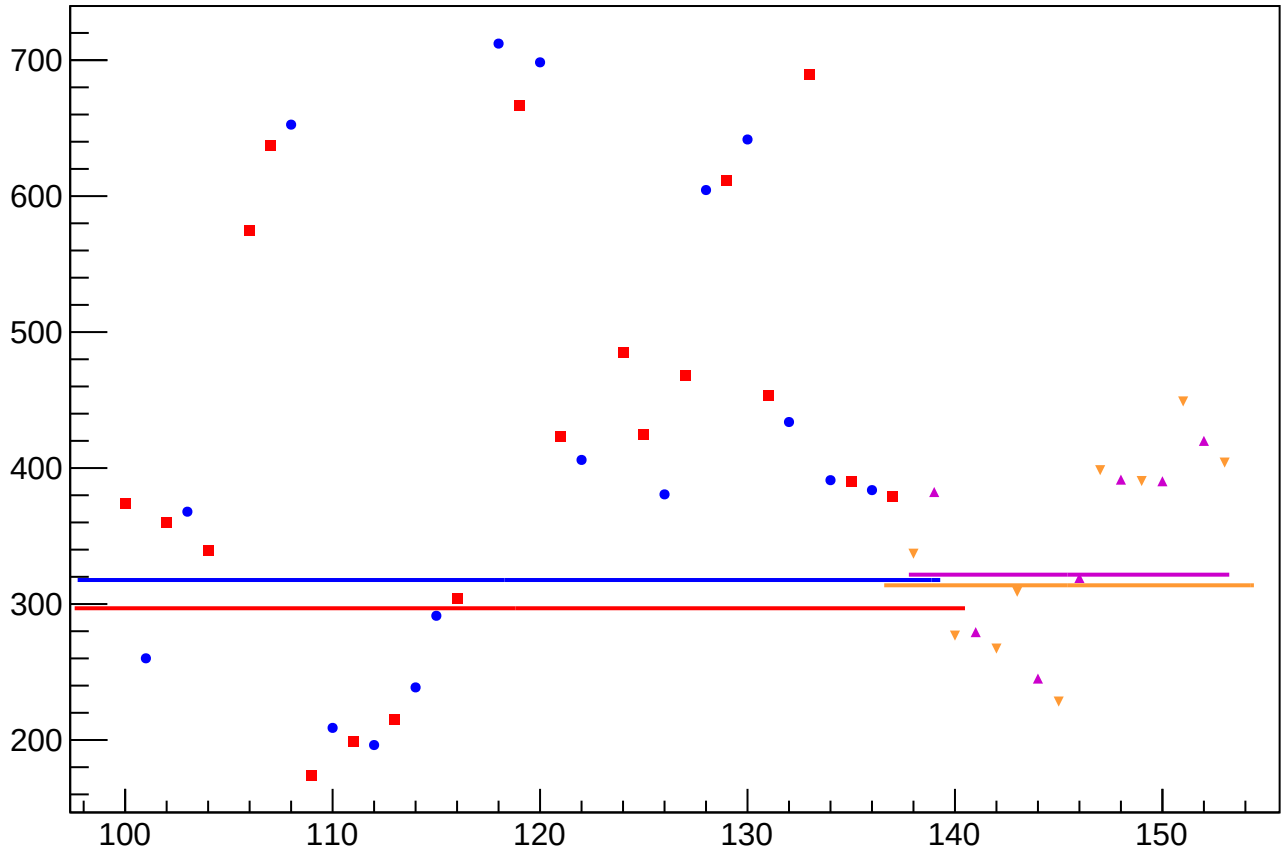
Left: -215.362+/-89.839 χ^2/NDF: 33.0/15

Right: 35.517+/-87.731 χ^2/NDF: 40.8/34

In: -92.156+/-92.370 χ^2/NDF:32.9/22

Out: -82.473+/-85.555 χ^2/NDF:44.9/27

All: -86.944+/-62.767 χ^2/NDF: 77.8/50



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 313.777+/-0.086 χ^2/NDF:659141.6/8

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

Left In: 321.591+/-0.094 χ^2/NDF:458428.1/6

Left: 317.345+/-0.064 χ^2/NDF: 1121323.3/15

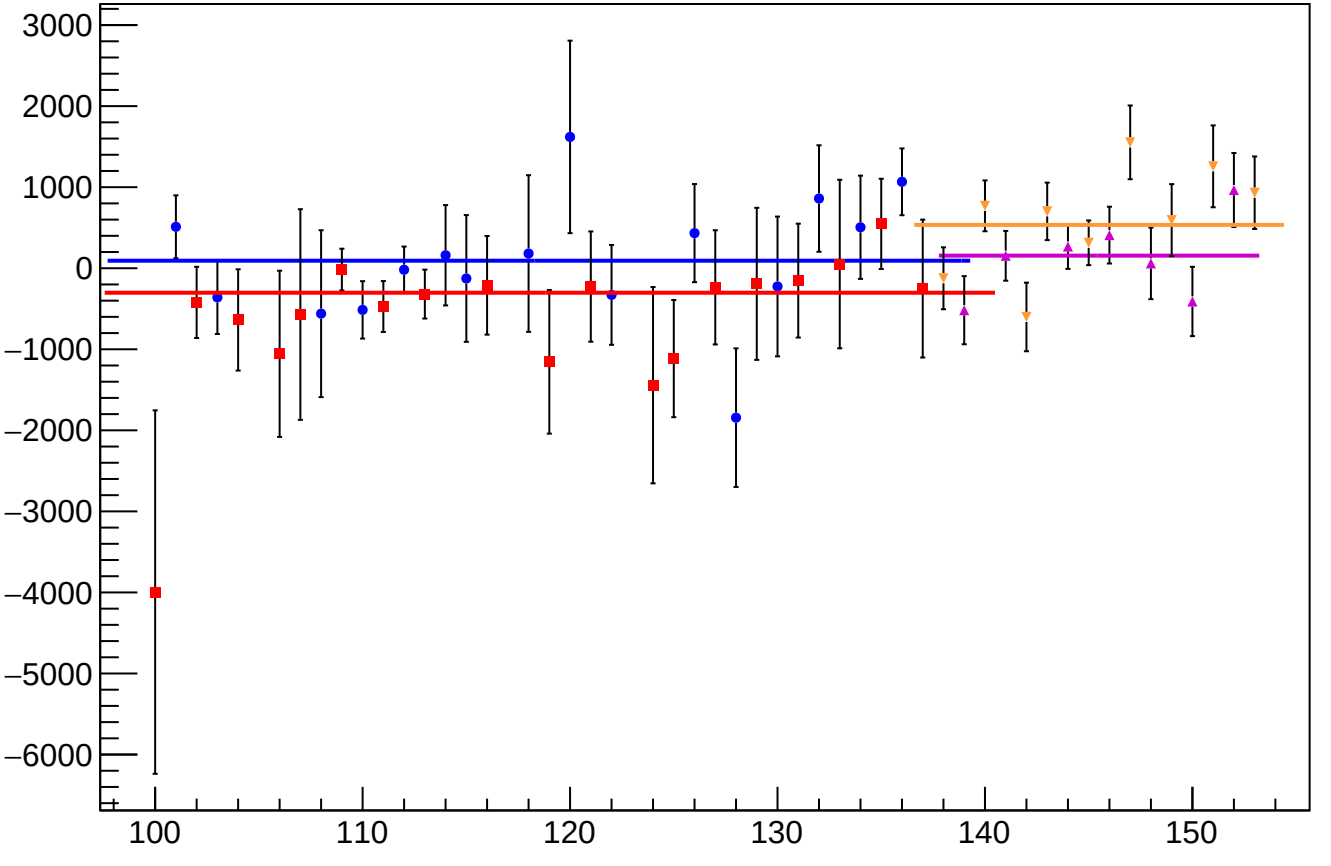
Right: 306.580+/-0.062 χ^2/NDF: 4705187.9/34

In: 319.558+/-0.065 χ^2/NDF:2595556.1/22

Out: 305.209+/-0.060 χ^2/NDF:3219676.8/27

All: 311.835+/-0.044 χ^2/NDF: 5841212.1/50

asym_sam7_mean vs Slug, Sign Corrected



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 534.621+/-126.463 χ^2/NDF:19.5/8

Right Out: -302.273+/-123.916 χ^2/NDF: 10.8/18

Left In: 155.523+/-137.425 χ^2/NDF:8.2/6

Left: 360.794+/-93.057 χ^2/NDF: 31.8/15

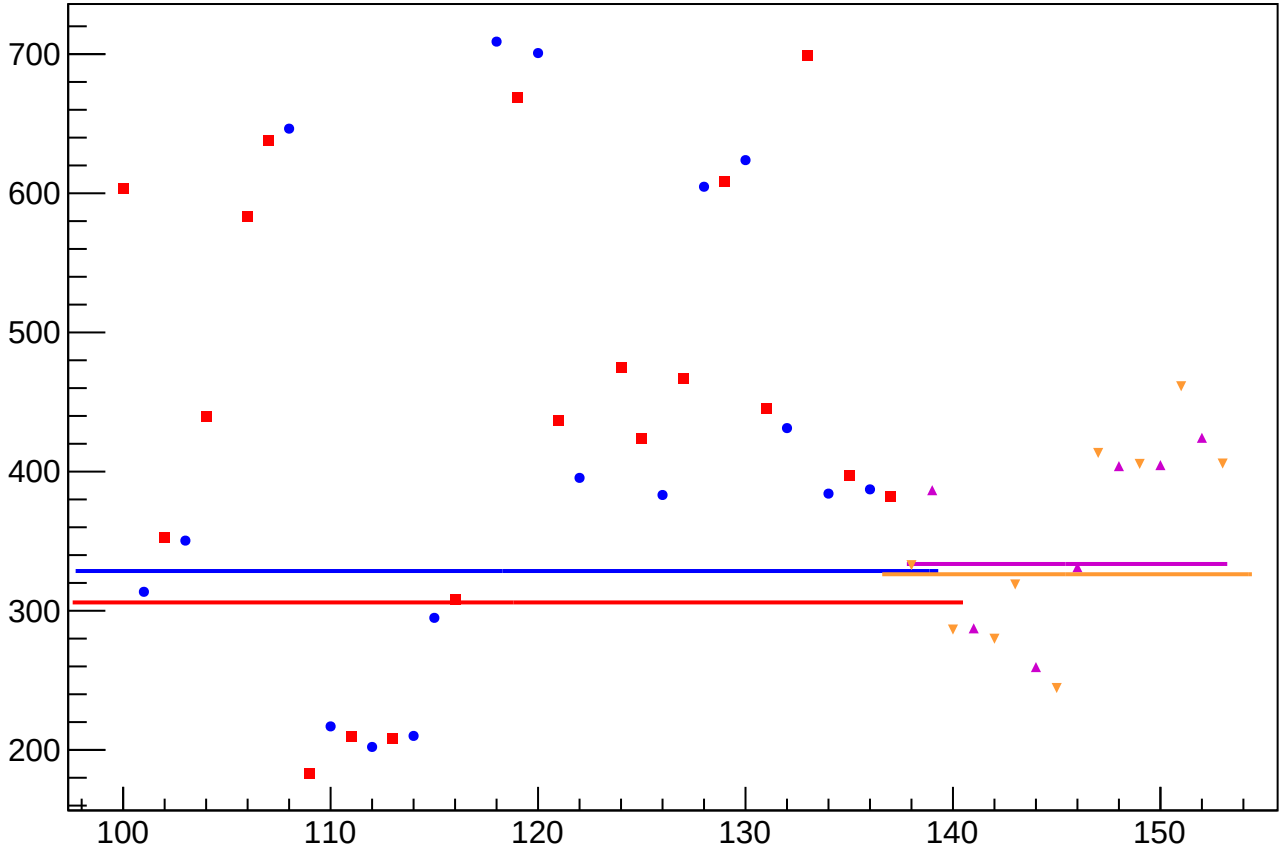
Right: -117.093+/-90.322 χ^2/NDF: 36.4/34

In: 122.883+/-95.171 χ^2/NDF:29.1/22

Out: 107.664+/-88.509 χ^2/NDF:52.6/27

All: 114.722+/-64.813 χ^2/NDF: 81.8/50

asym_sam7_rms vs Slug, Sign Corrected



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 326.245+/-0.089 χ^2/NDF:576795.2/8

Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 333.622+/-0.097 χ^2/NDF:406324.4/6

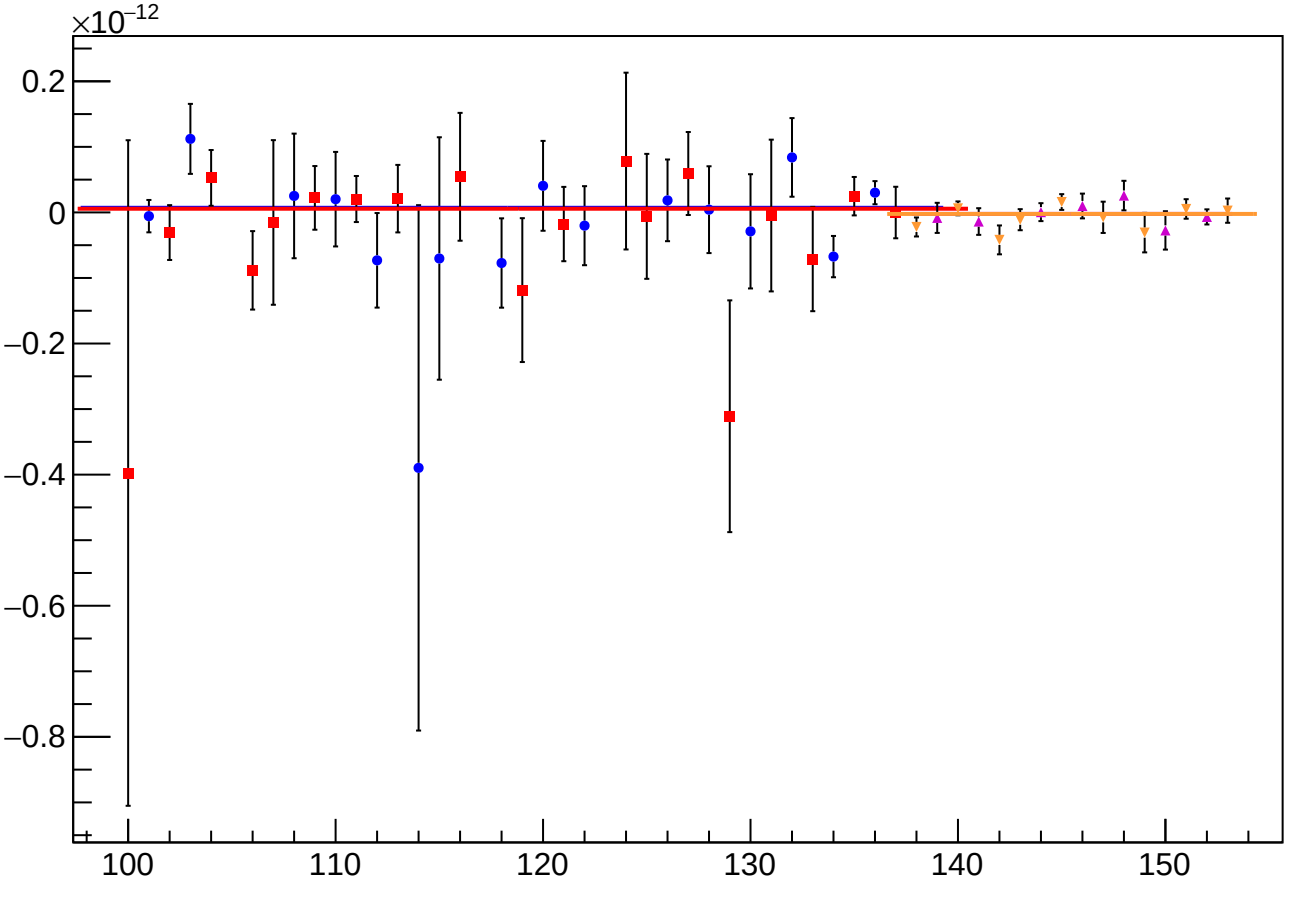
Left: 329.628+/-0.066 χ^2/NDF: 986239.7/15

Right: 316.571+/-0.064 χ^2/NDF: 4517458.9/34

In: 330.991+/-0.067 χ^2/NDF:2366606.0/22

Out: 315.911+/-0.063 χ^2/NDF:3130438.4/27

All: 322.905+/-0.046 χ^2/NDF: 5523971.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.6/8

Right Out: 0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: -0.000+/-0.000 χ^2/NDF:3.3/6

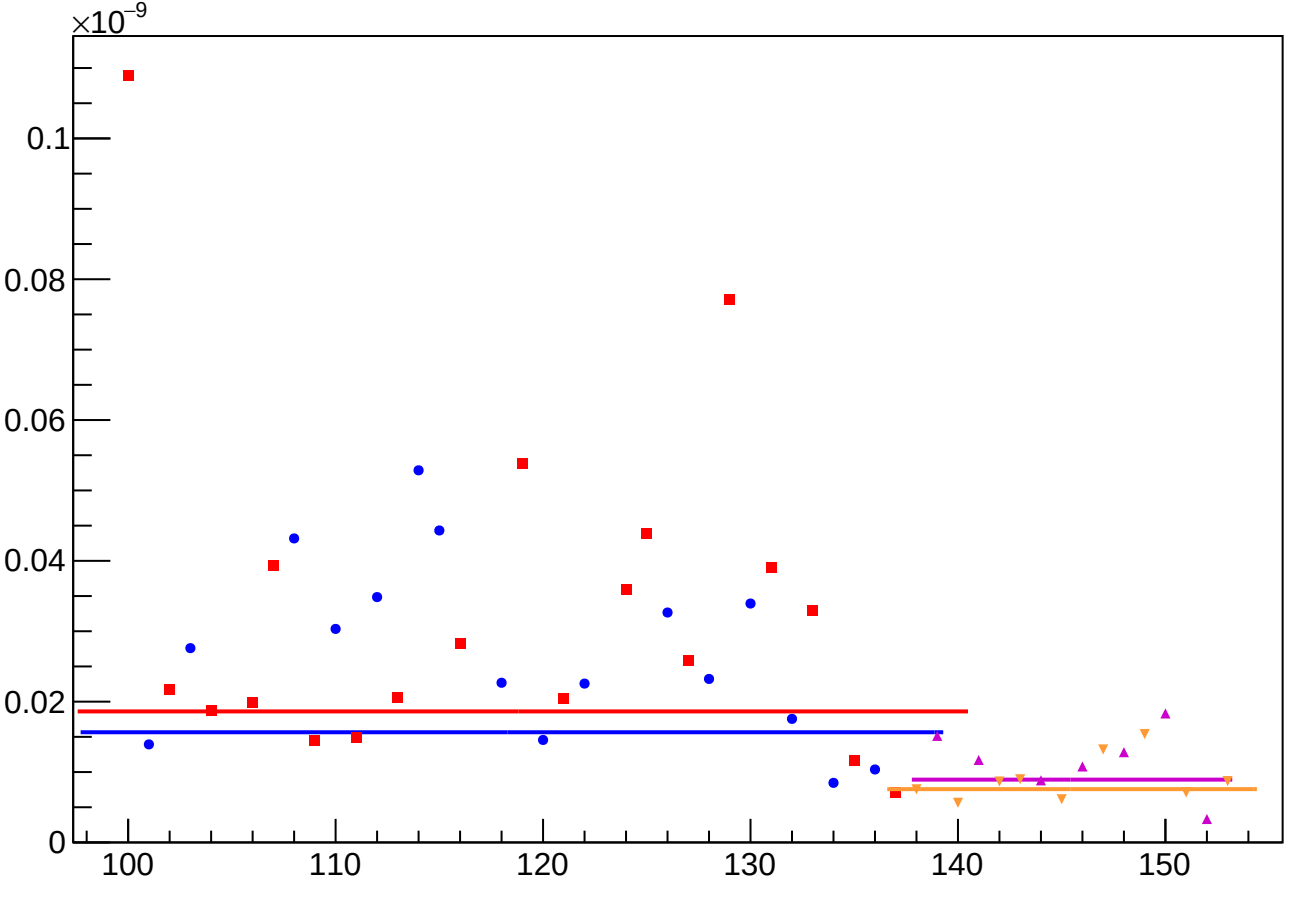
Left: -0.000+/-0.000 χ^2/NDF: 12.9/15

Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:21.5/22

Out: -0.000+/-0.000 χ^2/NDF:22.8/27

All: -0.000+/-0.000 χ^2/NDF: 44.3/50



Right In: 0.000+/-0.000 χ^2/NDF: 1164380.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:371427.5/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1228542.0/18

Left In: 0.000+/-0.000 χ^2/NDF:939682.4/6

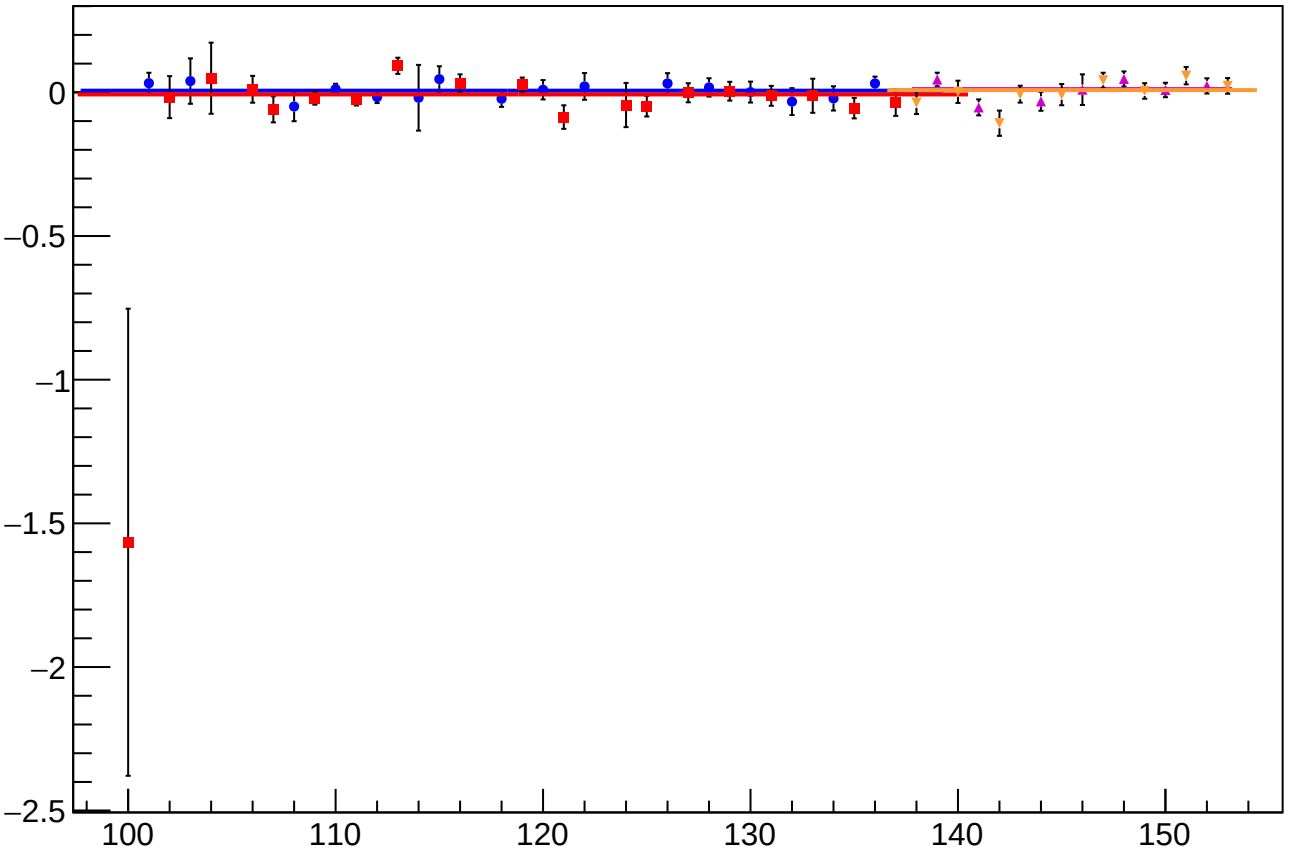
Left: 0.000+/-0.000 χ^2/NDF: 1362902.3/15

Right: 0.000+/-0.000 χ^2/NDF: 2454460.5/34

In: 0.000+/-0.000 χ^2/NDF:2659275.6/22

Out: 0.000+/-0.000 χ^2/NDF:2870651.9/27

All: 0.000+/-0.000 χ^2/NDF: 5619790.7/50



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.008+/-0.011 χ^2/NDF:13.3/8

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.011+/-0.011 χ^2/NDF:10.9/6

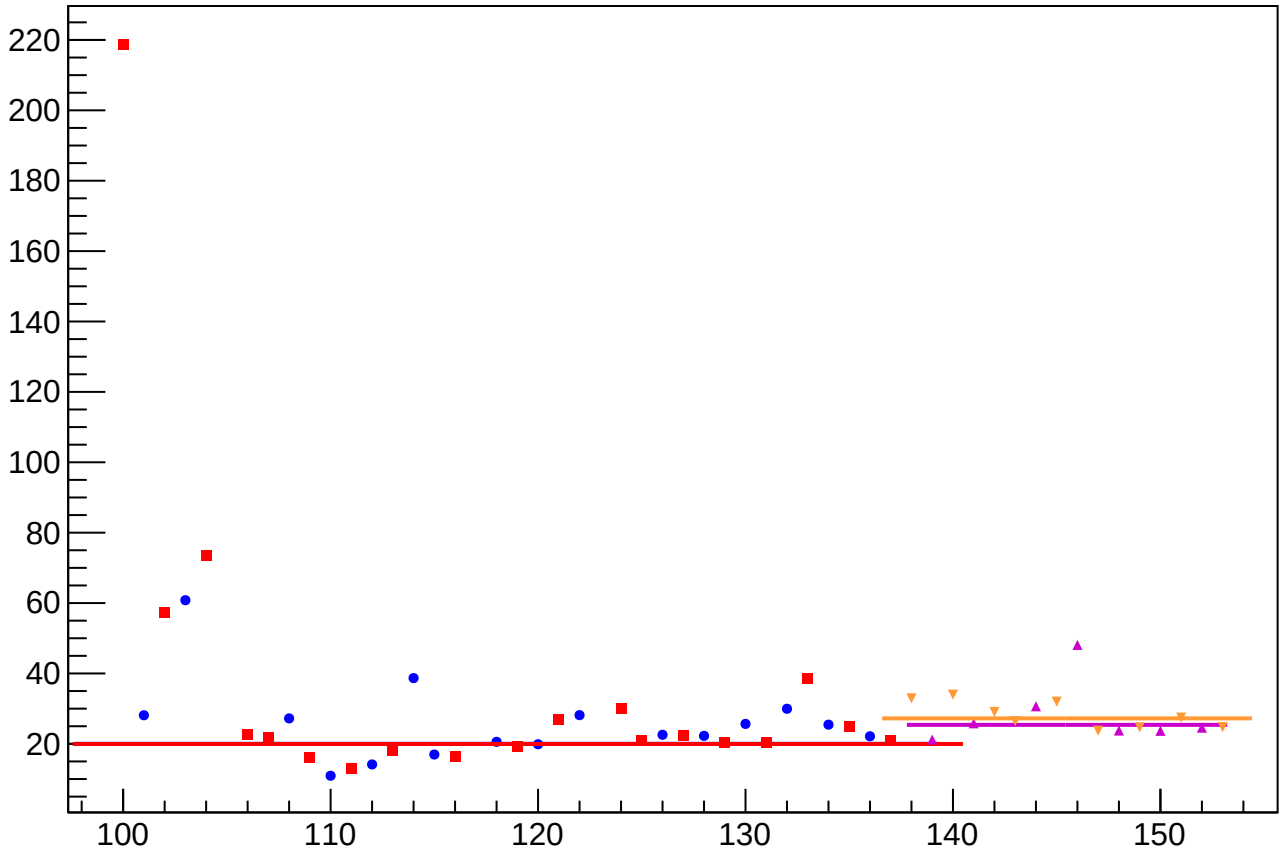
Left: 0.010+/-0.008 χ^2/NDF: 24.2/15

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.008+/-0.006 χ^2/NDF:18.9/22

Out: -0.002+/-0.006 χ^2/NDF:44.4/27

All: 0.003+/-0.005 χ^2/NDF: 64.4/50



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 27.236+/-0.007 χ^2/NDF:210763.8/8

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 25.389+/-0.008 χ^2/NDF:495195.5/6

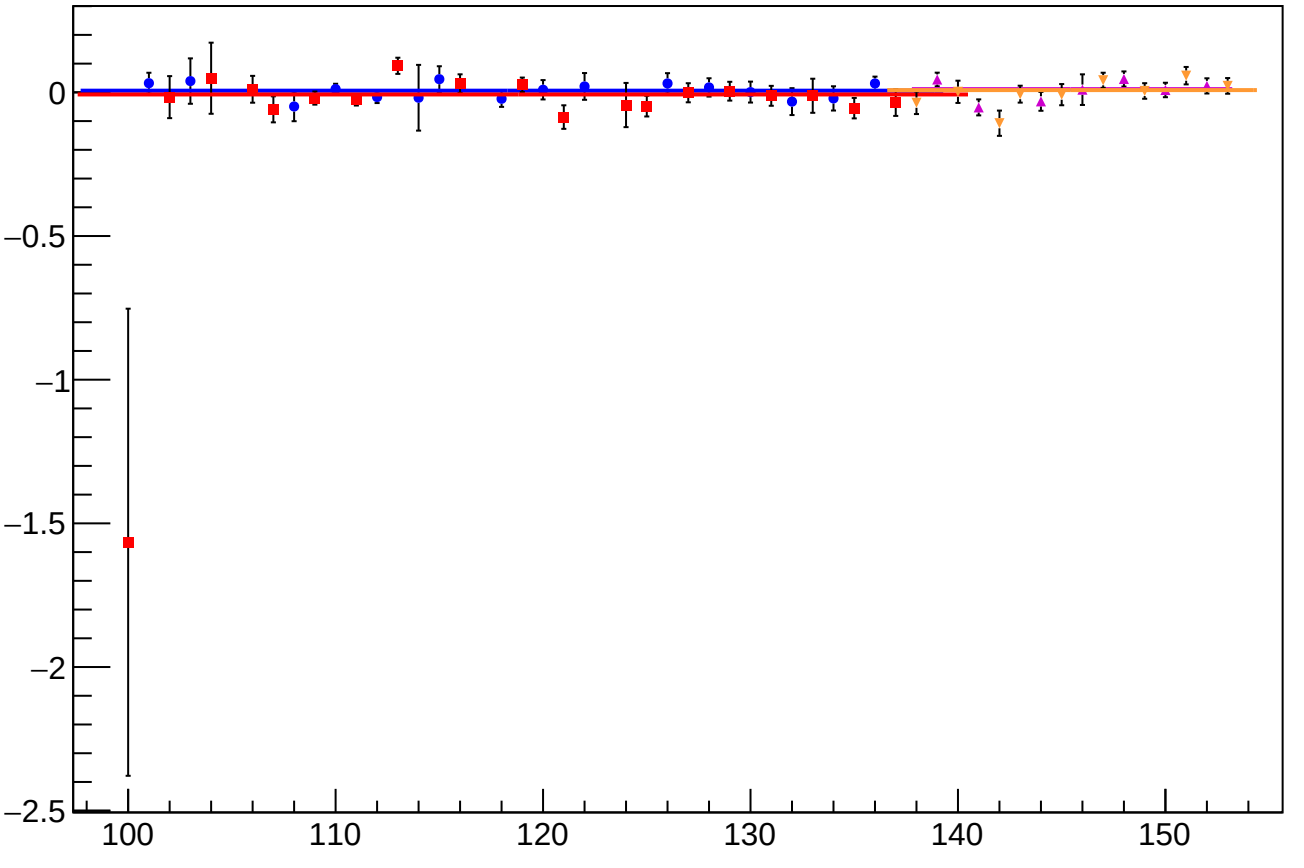
Left: 26.322+/-0.005 χ^2/NDF: 736241.5/15

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 21.991+/-0.005 χ^2/NDF:2458244.2/22

Out: 22.655+/-0.005 χ^2/NDF:2525227.9/27

All: 22.326+/-0.003 χ^2/NDF: 4994036.8/50



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.008+/-0.011 χ^2/NDF:13.3/8

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.011+/-0.011 χ^2/NDF:10.9/6

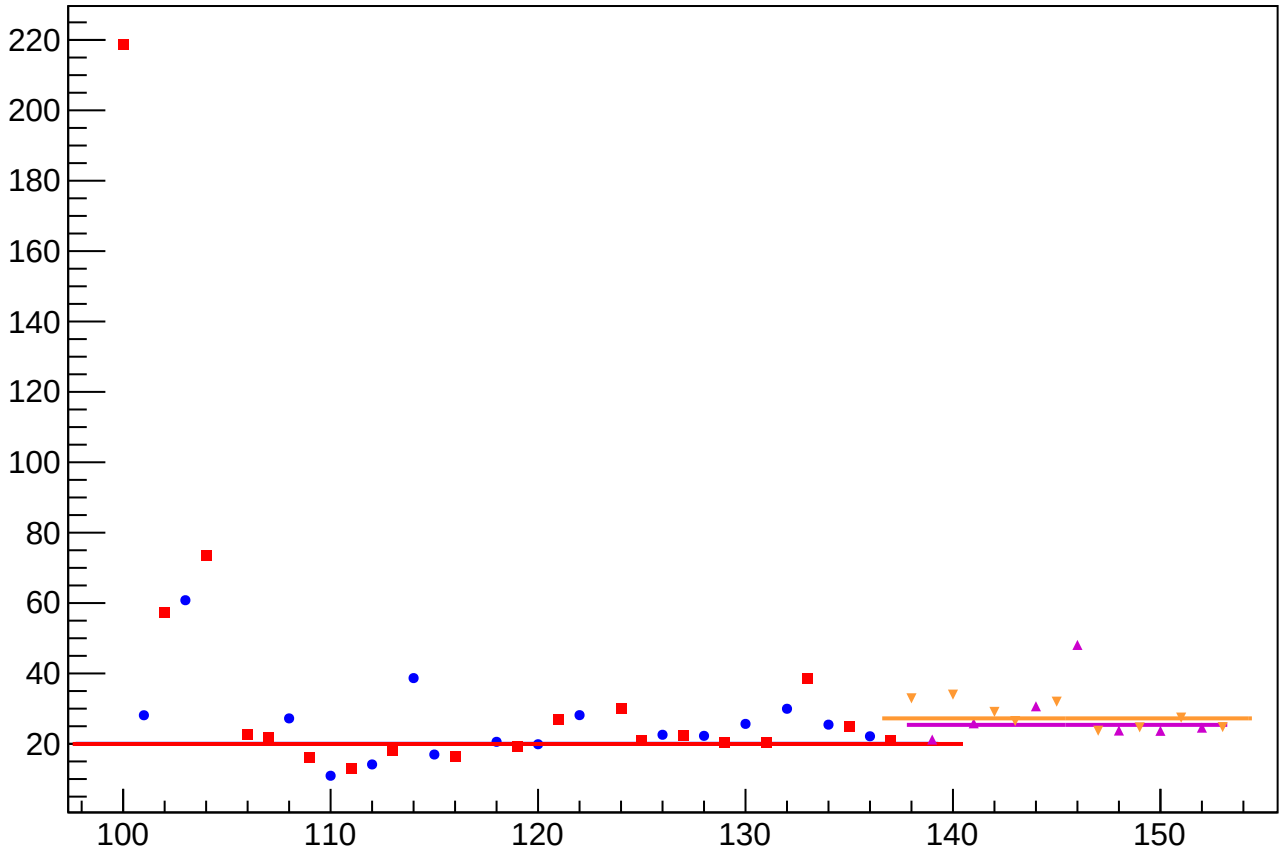
Left: 0.010+/-0.008 χ^2/NDF: 24.2/15

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.008+/-0.006 χ^2/NDF:18.9/22

Out: -0.002+/-0.006 χ^2/NDF:44.4/27

All: 0.003+/-0.005 χ^2/NDF: 64.4/50



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 27.236+/-0.007 χ^2/NDF:210763.8/8

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 25.389+/-0.008 χ^2/NDF:495195.5/6

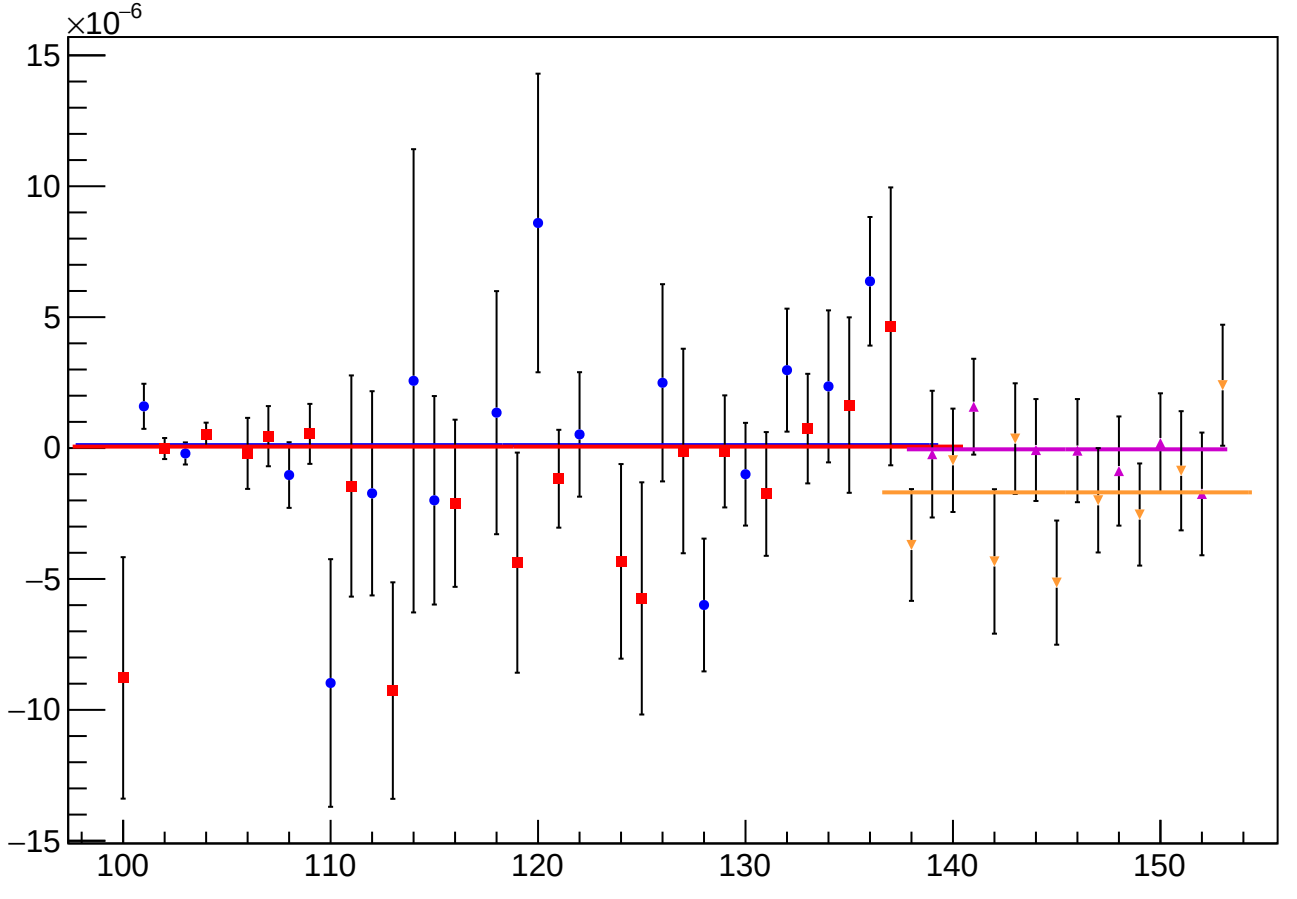
Left: 26.322+/-0.005 χ^2/NDF: 736241.5/15

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 21.991+/-0.005 χ^2/NDF:2458244.2/22

Out: 22.655+/-0.005 χ^2/NDF:2525227.9/27

All: 22.326+/-0.003 χ^2/NDF: 4994036.8/50



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.7/8

Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/18

Left In: -0.000+/-0.000 χ^2/NDF:1.5/6

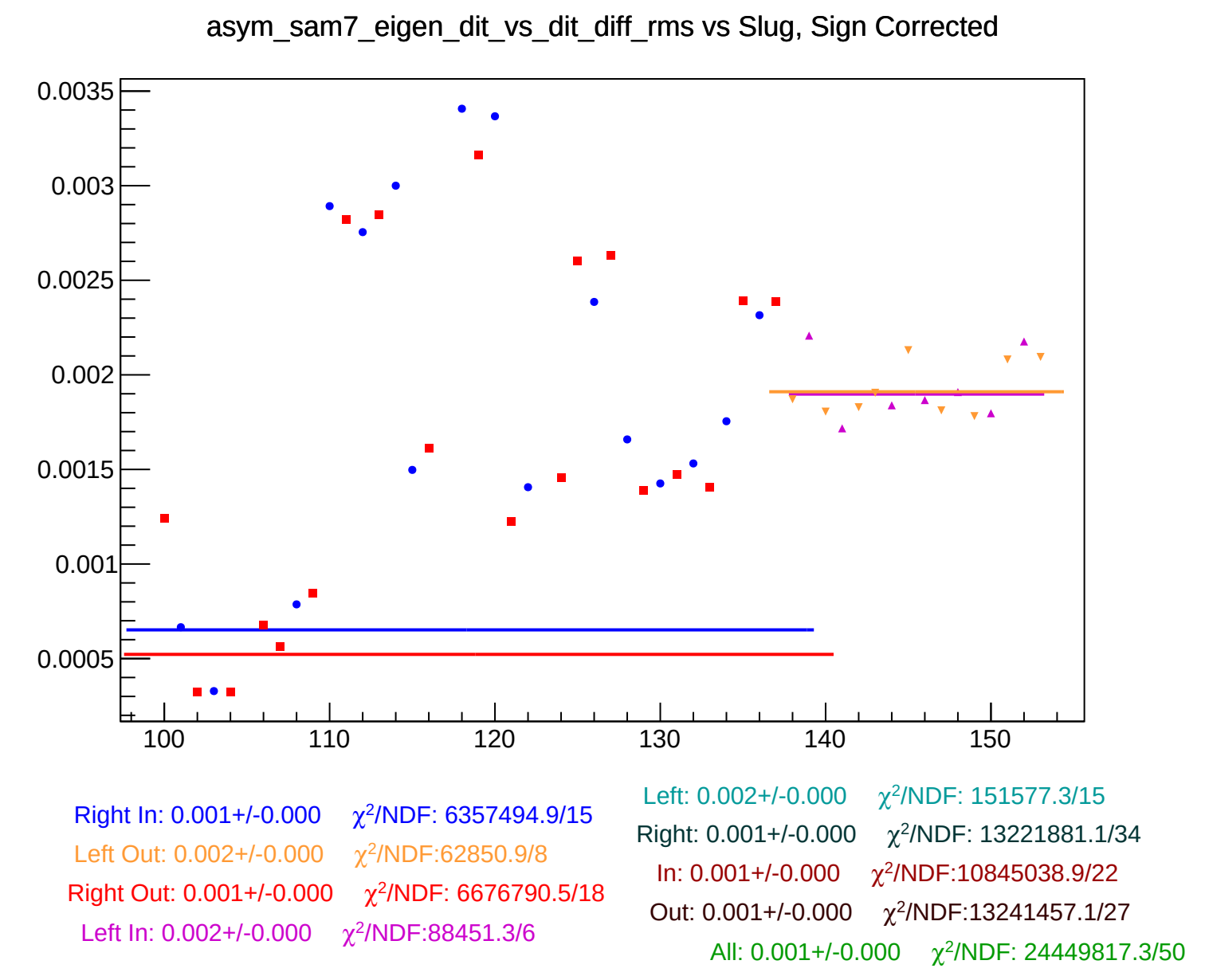
Left: -0.000+/-0.000 χ^2/NDF: 12.6/15

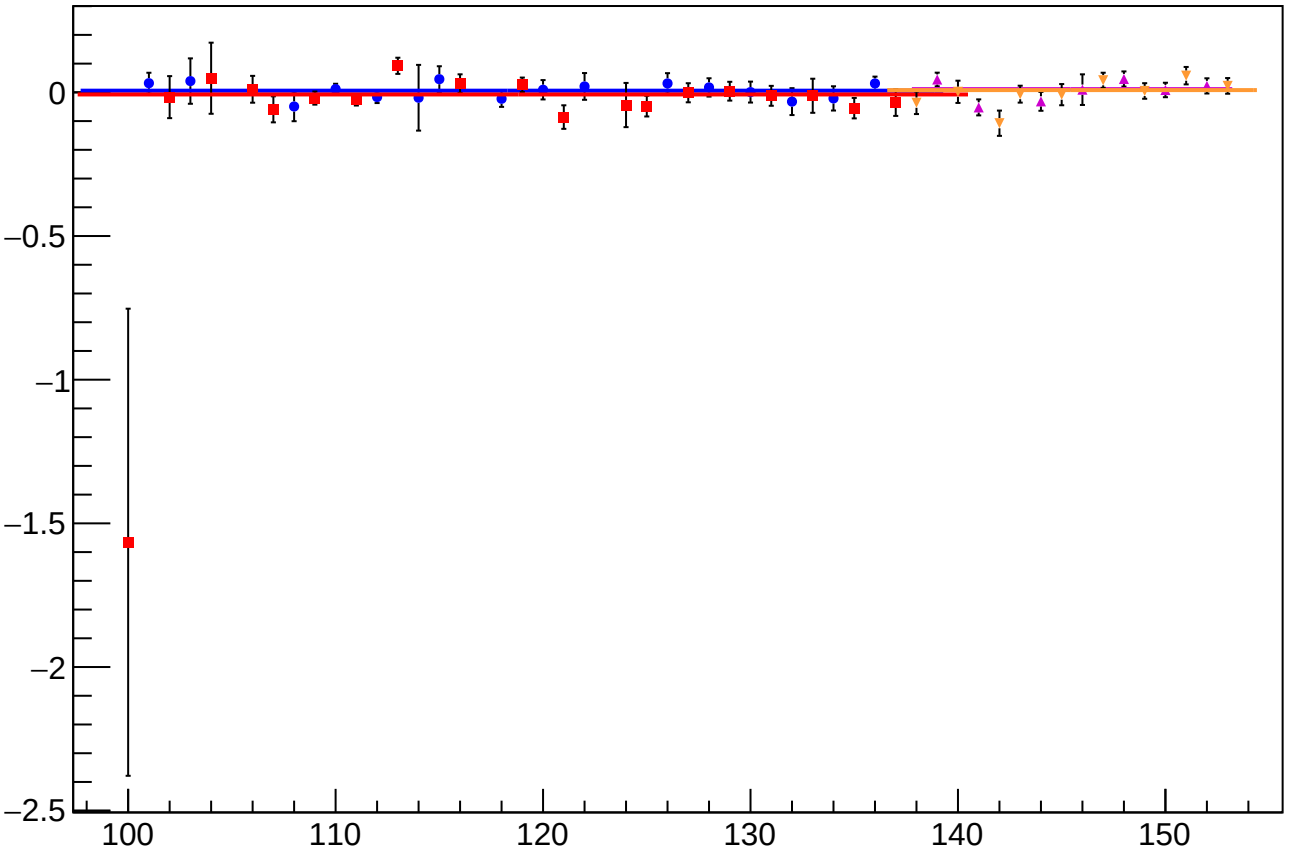
Right: 0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:27.6/22

Out: -0.000+/-0.000 χ^2/NDF:31.0/27

All: -0.000+/-0.000 χ^2/NDF: 58.9/50


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
Right In: 0.001+/-0.000 χ²/NDF: 6357494.9/15
Left Out: 0.002+/-0.000 χ²/NDF:62850.9/8
Right Out: 0.001+/-0.000 χ²/NDF: 6676790.5/18
Left In: 0.002+/-0.000 χ²/NDF:88451.3/6
Left: 0.002+/-0.000 χ²/NDF: 151577.3/15
Right: 0.001+/-0.000 χ²/NDF: 13221881.1/34
In: 0.001+/-0.000 χ²/NDF:10845038.9/22
Out: 0.001+/-0.000 χ²/NDF:13241457.1/27
All: 0.001+/-0.000 χ²/NDF: 24449817.3/50



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.008+/-0.011 χ^2/NDF:13.3/8

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.011+/-0.011 χ^2/NDF:10.9/6

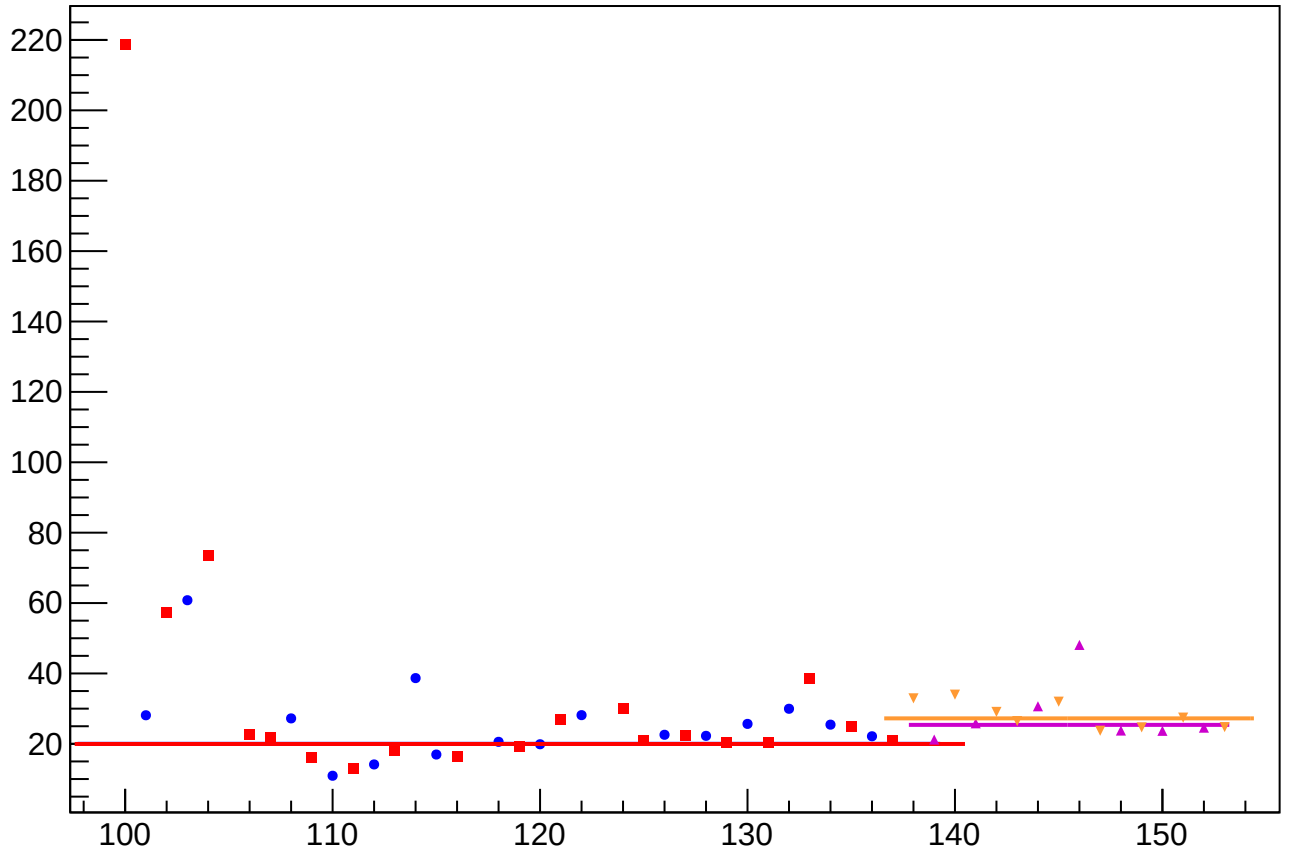
Left: 0.010+/-0.008 χ^2/NDF: 24.2/15

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.008+/-0.006 χ^2/NDF:18.9/22

Out: -0.002+/-0.006 χ^2/NDF:44.4/27

All: 0.003+/-0.005 χ^2/NDF: 64.4/50



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 27.236+/-0.007 χ^2/NDF:210782.0/8

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 25.389+/-0.008 χ^2/NDF:495205.7/6

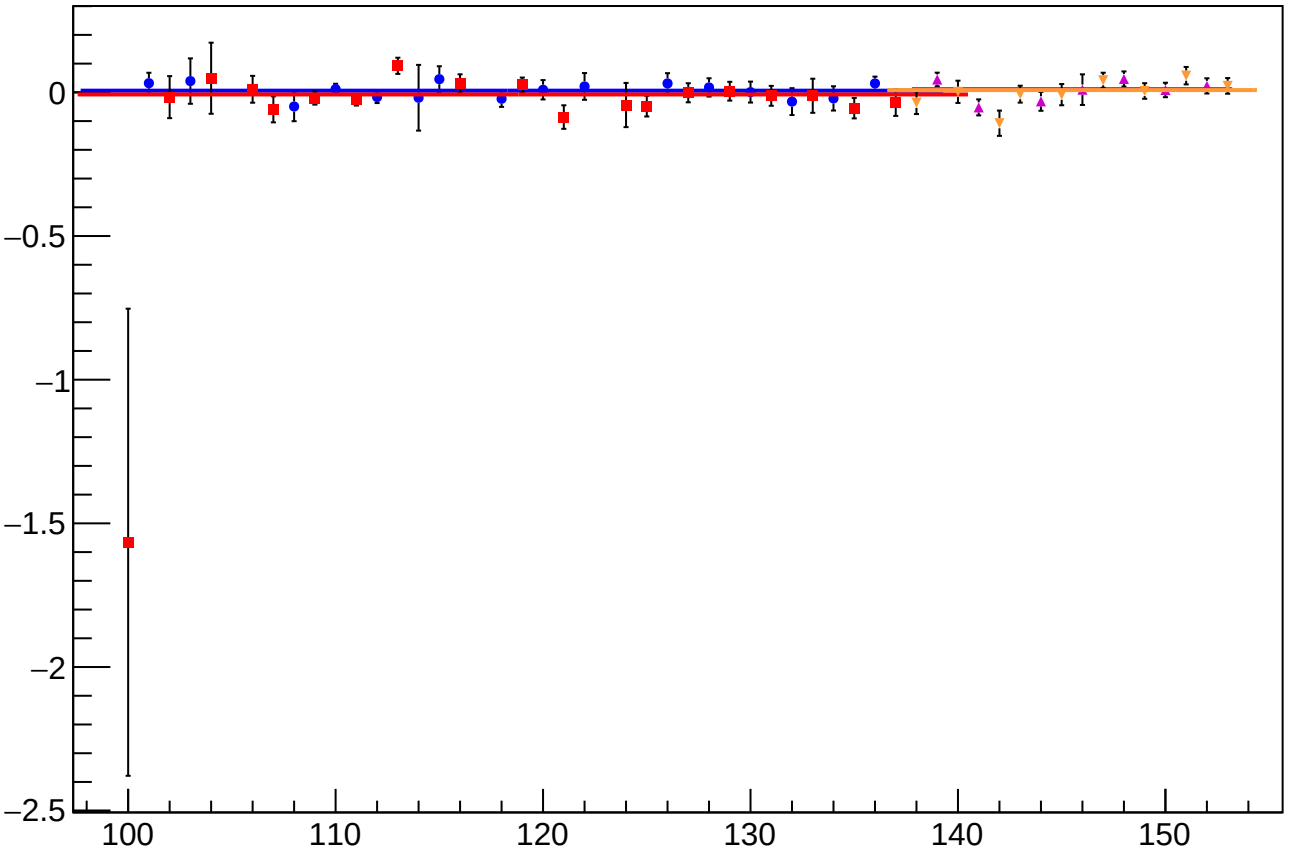
Left: 26.322+/-0.005 χ^2/NDF: 736271.5/15

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 21.992+/-0.005 χ^2/NDF:2458016.0/22

Out: 22.655+/-0.005 χ^2/NDF:2525160.7/27

All: 22.326+/-0.003 χ^2/NDF: 4993734.1/50



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.008+/-0.011 χ^2/NDF:13.3/8

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.011+/-0.011 χ^2/NDF:10.9/6

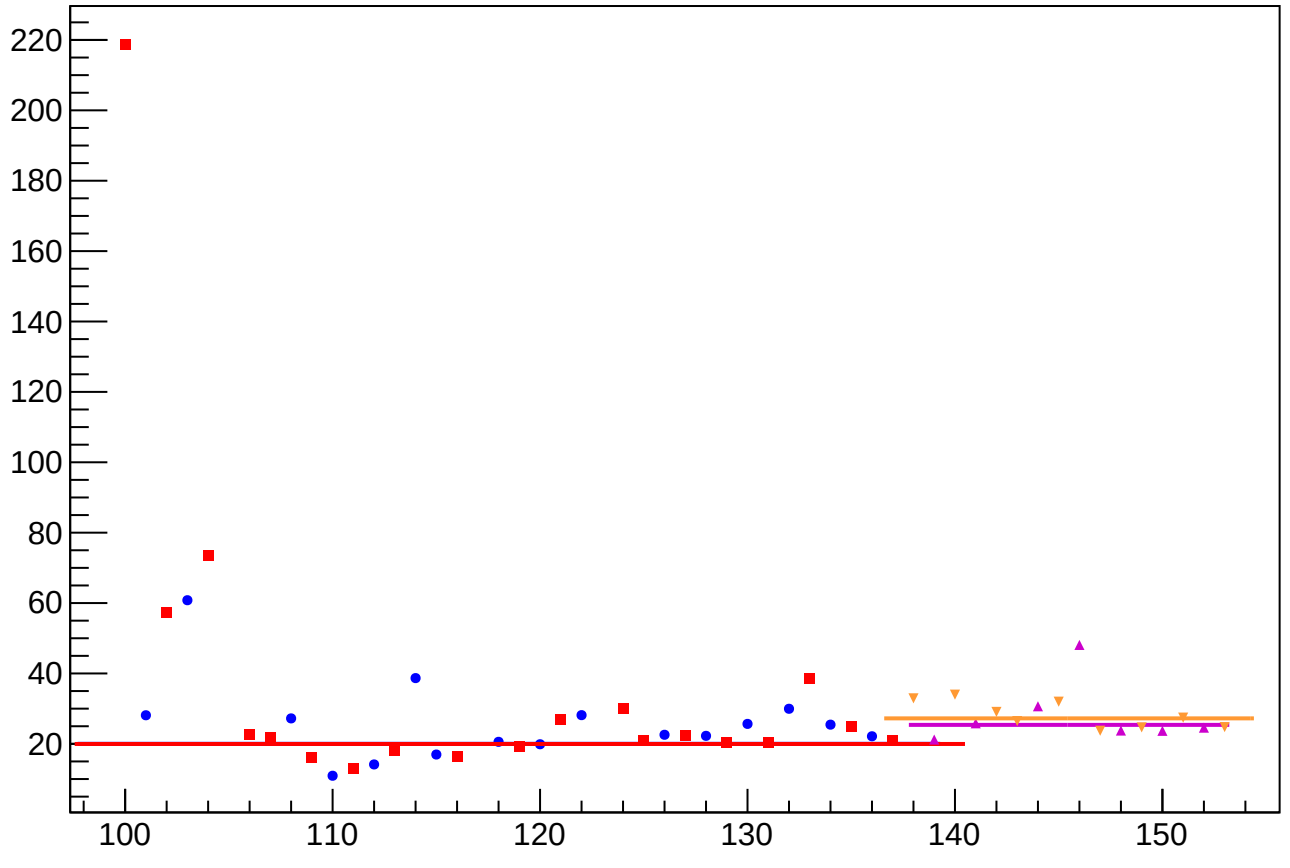
Left: 0.010+/-0.008 χ^2/NDF: 24.2/15

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.008+/-0.006 χ^2/NDF:18.9/22

Out: -0.002+/-0.006 χ^2/NDF:44.4/27

All: 0.003+/-0.005 χ^2/NDF: 64.4/50



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 27.236+/-0.007 χ^2/NDF:210782.0/8

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 25.389+/-0.008 χ^2/NDF:495205.7/6

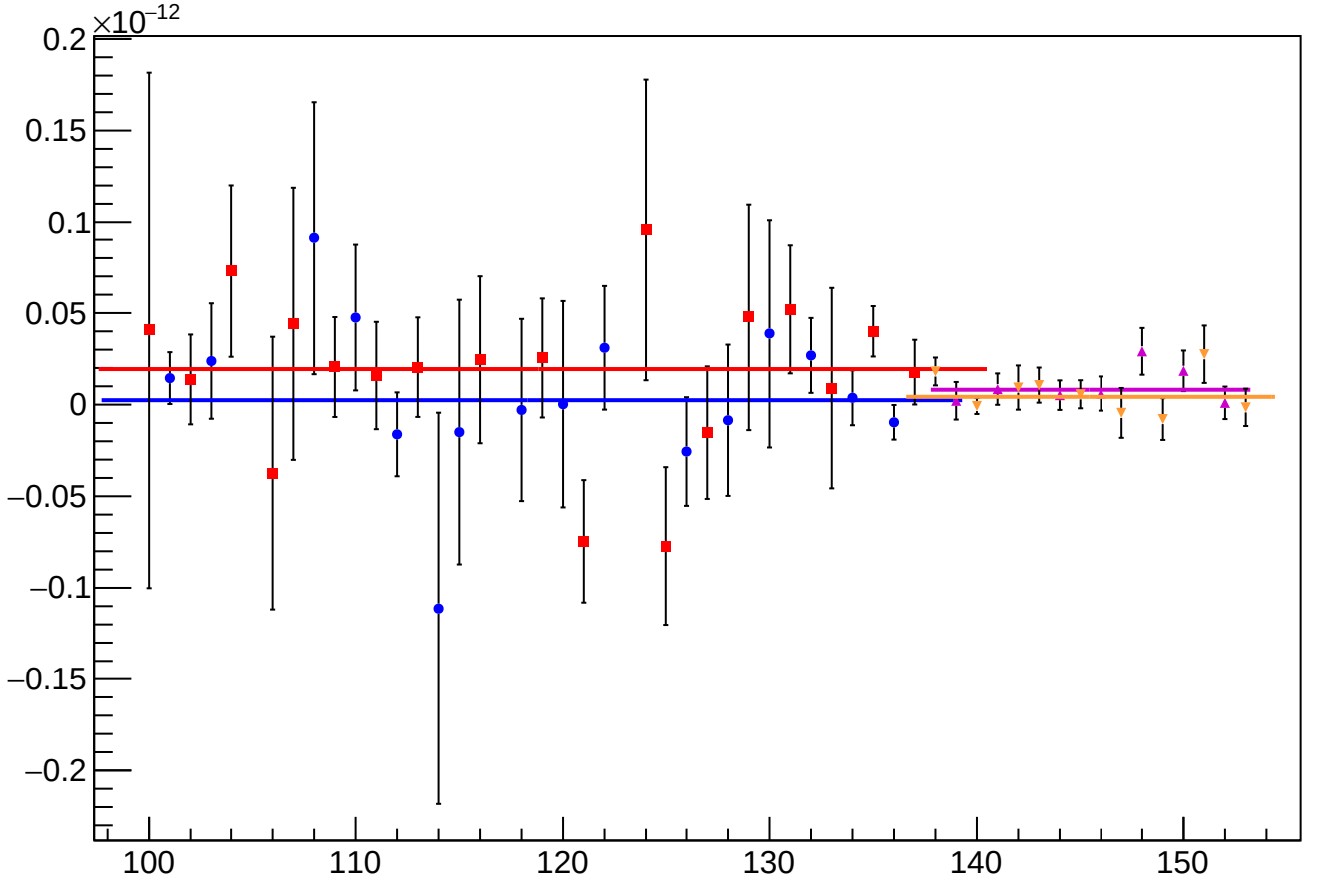
Left: 26.322+/-0.005 χ^2/NDF: 736271.5/15

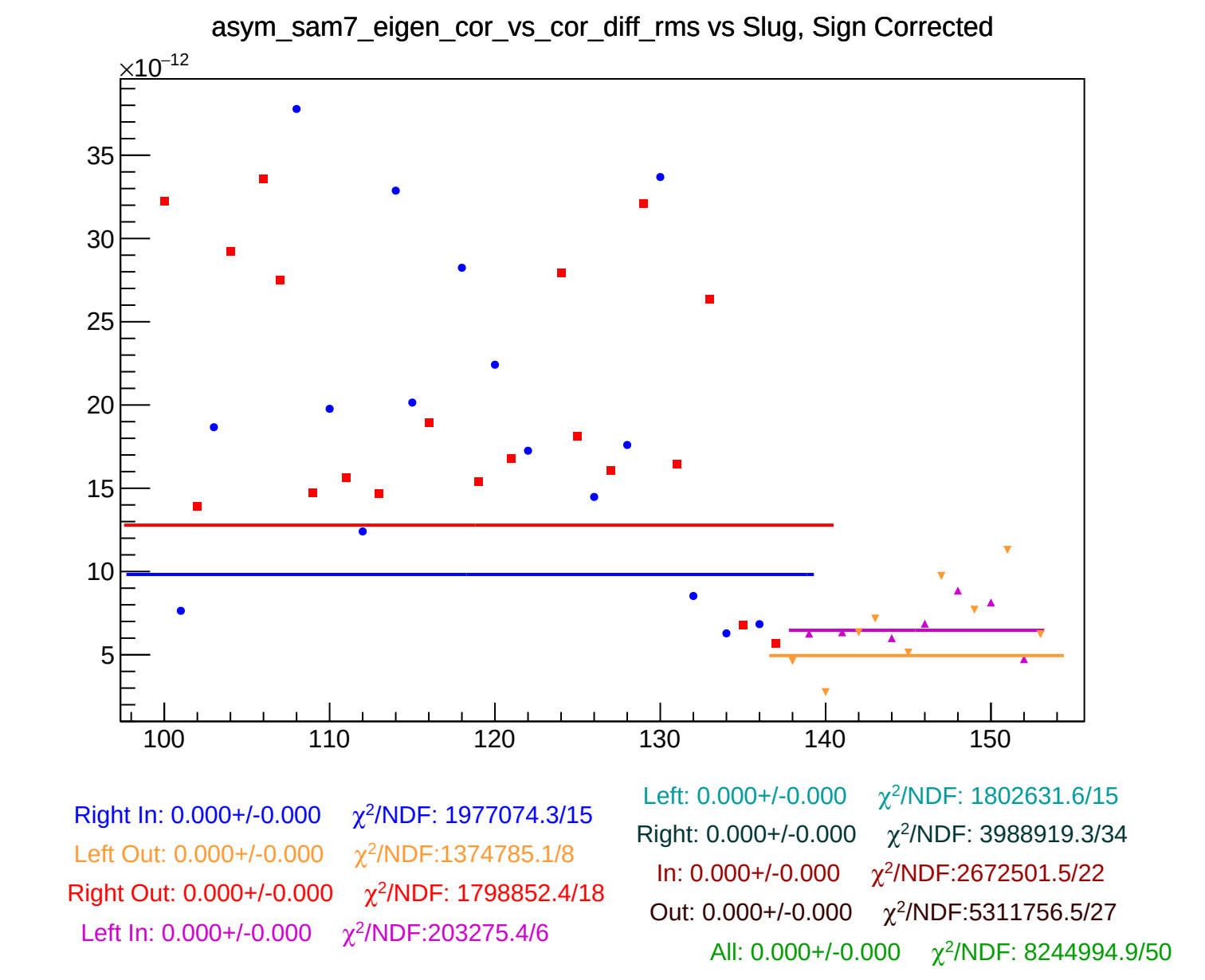
Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 21.992+/-0.005 χ^2/NDF:2458016.0/22

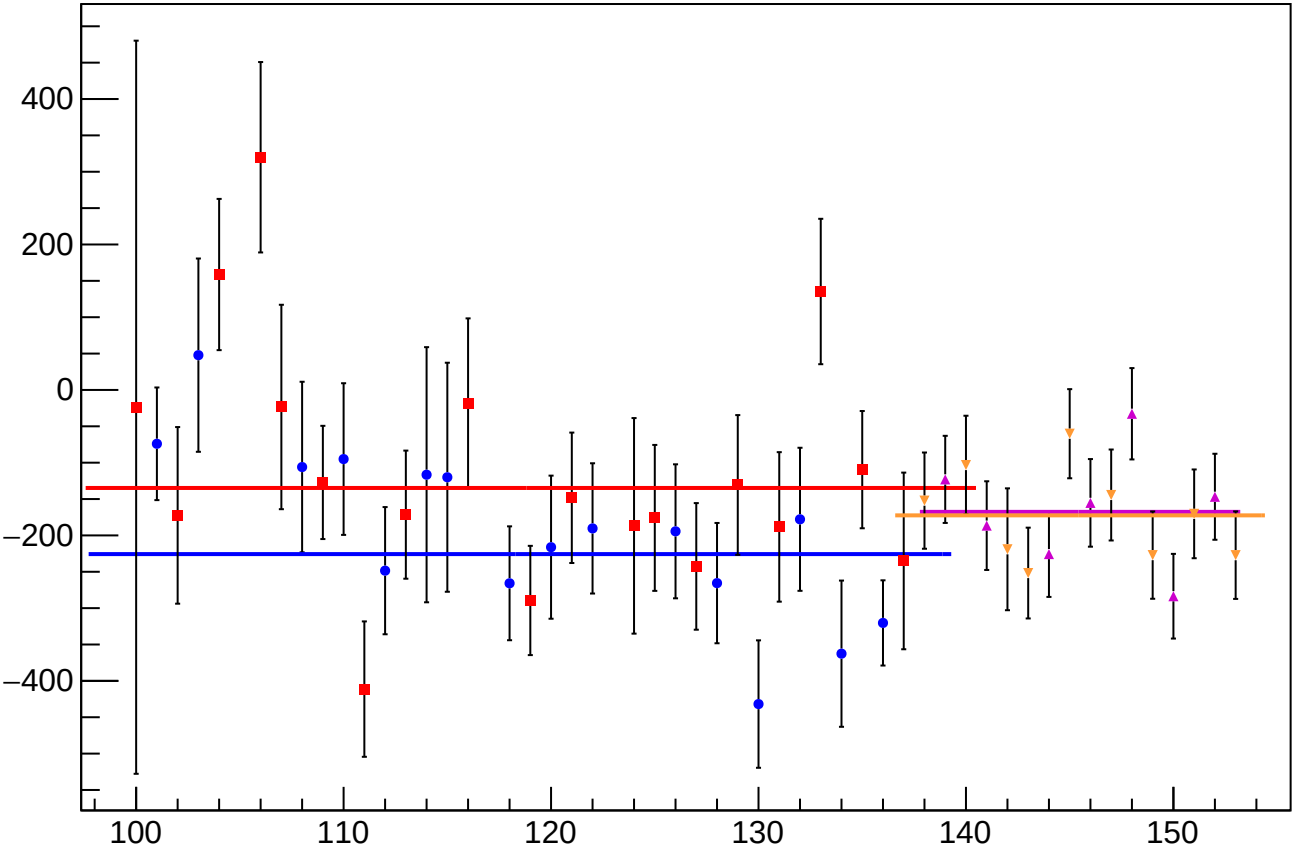
Out: 22.655+/-0.005 χ^2/NDF:2525160.7/27

All: 22.326+/-0.003 χ^2/NDF: 4993734.1/50


asym_sam7_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 10.8/15
Left Out: 0.000+/-0.000 χ²/NDF:9.4/8
Right Out: 0.000+/-0.000 χ²/NDF: 20.2/18
Left In: 0.000+/-0.000 χ²/NDF:4.7/6
Left: 0.000+/-0.000 χ²/NDF: 14.8/15
Right: 0.000+/-0.000 χ²/NDF: 34.6/34
In: 0.000+/-0.000 χ²/NDF:16.3/22
Out: 0.000+/-0.000 χ²/NDF:33.6/27
All: 0.000+/-0.000 χ²/NDF: 49.9/50


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
Right In: 0.000+/-0.000 χ²/NDF: 1977074.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1374785.1/8
Right Out: 0.000+/-0.000 χ²/NDF: 1798852.4/18
Left In: 0.000+/-0.000 χ²/NDF:203275.4/6
Left: 0.000+/-0.000 χ²/NDF: 1802631.6/15
Right: 0.000+/-0.000 χ²/NDF: 3988919.3/34
In: 0.000+/-0.000 χ²/NDF:2672501.5/22
Out: 0.000+/-0.000 χ²/NDF:5311756.5/27
All: 0.000+/-0.000 χ²/NDF: 8244994.9/50

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -172.438+/-21.369 χ^2/NDF:8.3/8

Right Out: -134.762+/-23.192 χ^2/NDF: 45.3/18

Left In: -167.633+/-22.668 χ^2/NDF:10.4/6

Left: -170.177+/-15.549 χ^2/NDF: 18.7/15

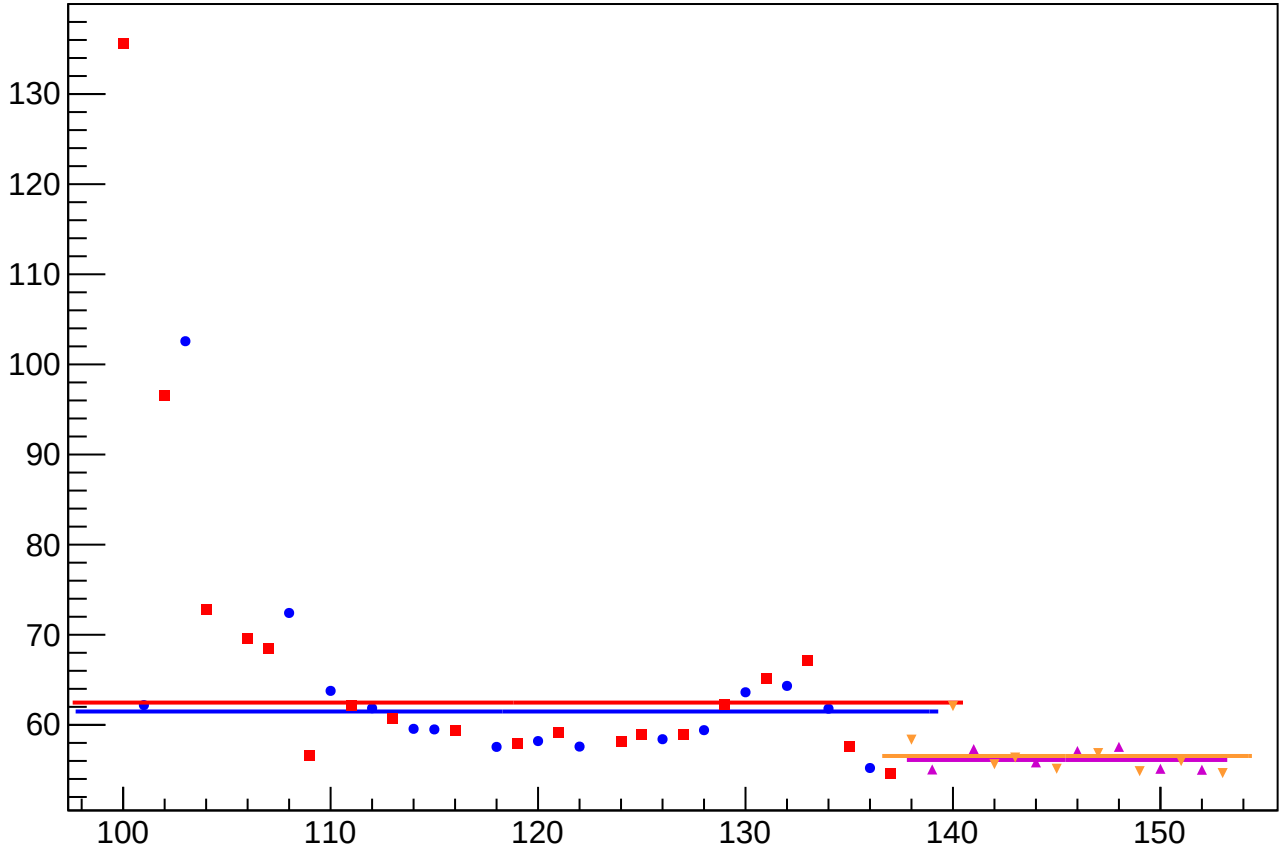
Right: -180.371+/-16.373 χ^2/NDF: 75.6/34

In: -196.091+/-16.186 χ^2/NDF:36.2/22

Out: -155.138+/-15.715 χ^2/NDF:55.0/27

All: -175.011+/-11.275 χ^2/NDF: 94.4/50

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 56.550+/-0.015 χ^2/NDF:19943.3/8

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

Left In: 56.108+/-0.016 χ^2/NDF:4297.2/6

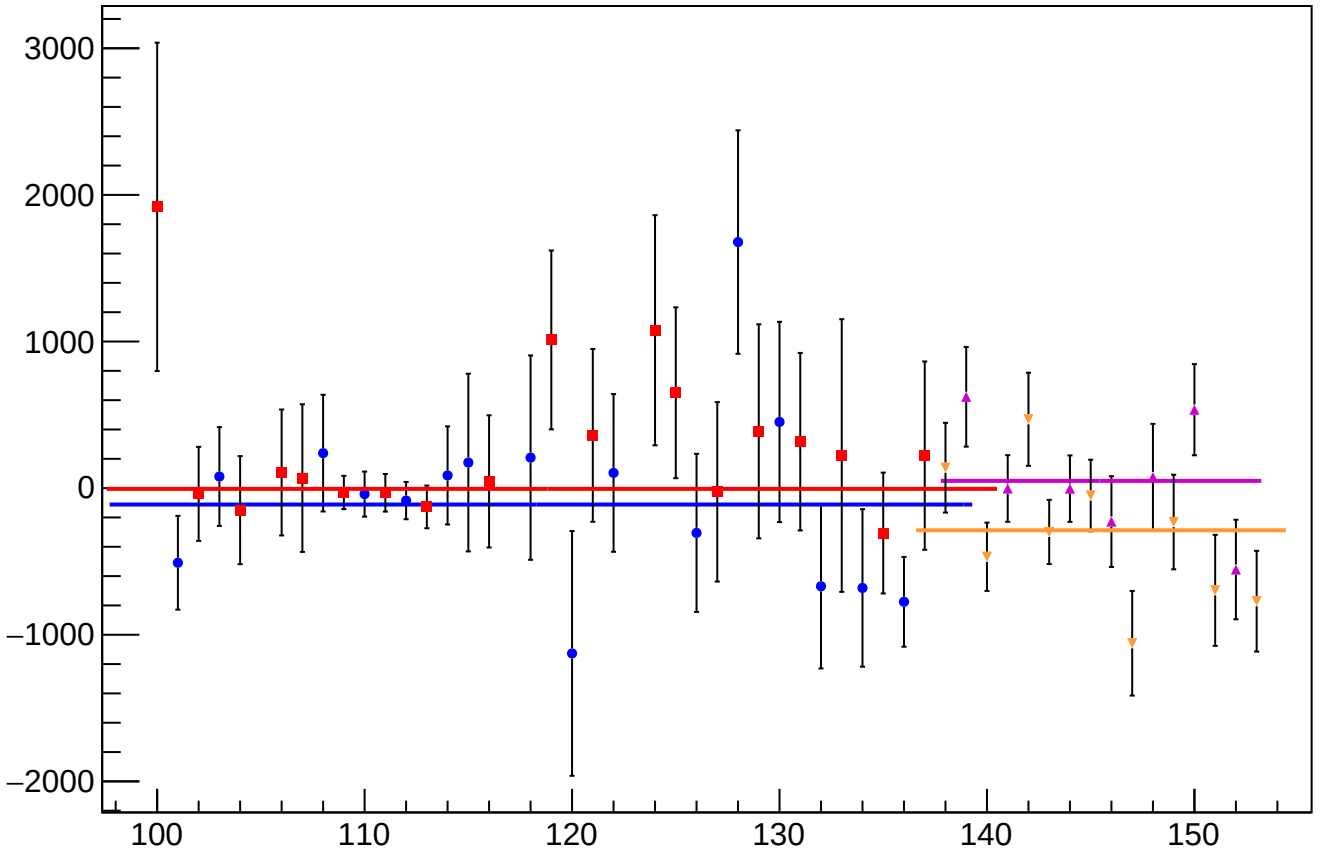
Left: 56.342+/-0.011 χ^2/NDF: 24643.1/15

Right: 61.979+/-0.012 χ^2/NDF: 533645.0/34

In: 58.744+/-0.011 χ^2/NDF:310152.6/22

Out: 59.271+/-0.011 χ^2/NDF:371717.7/27

All: 59.015+/-0.008 χ^2/NDF: 682961.3/50



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -287.483+/-95.515 χ^2/NDF:17.0/8

Right Out: -4.893+/-63.933 χ^2/NDF: 11.6/18

Left In: 49.568+/-108.741 χ^2/NDF:9.4/6

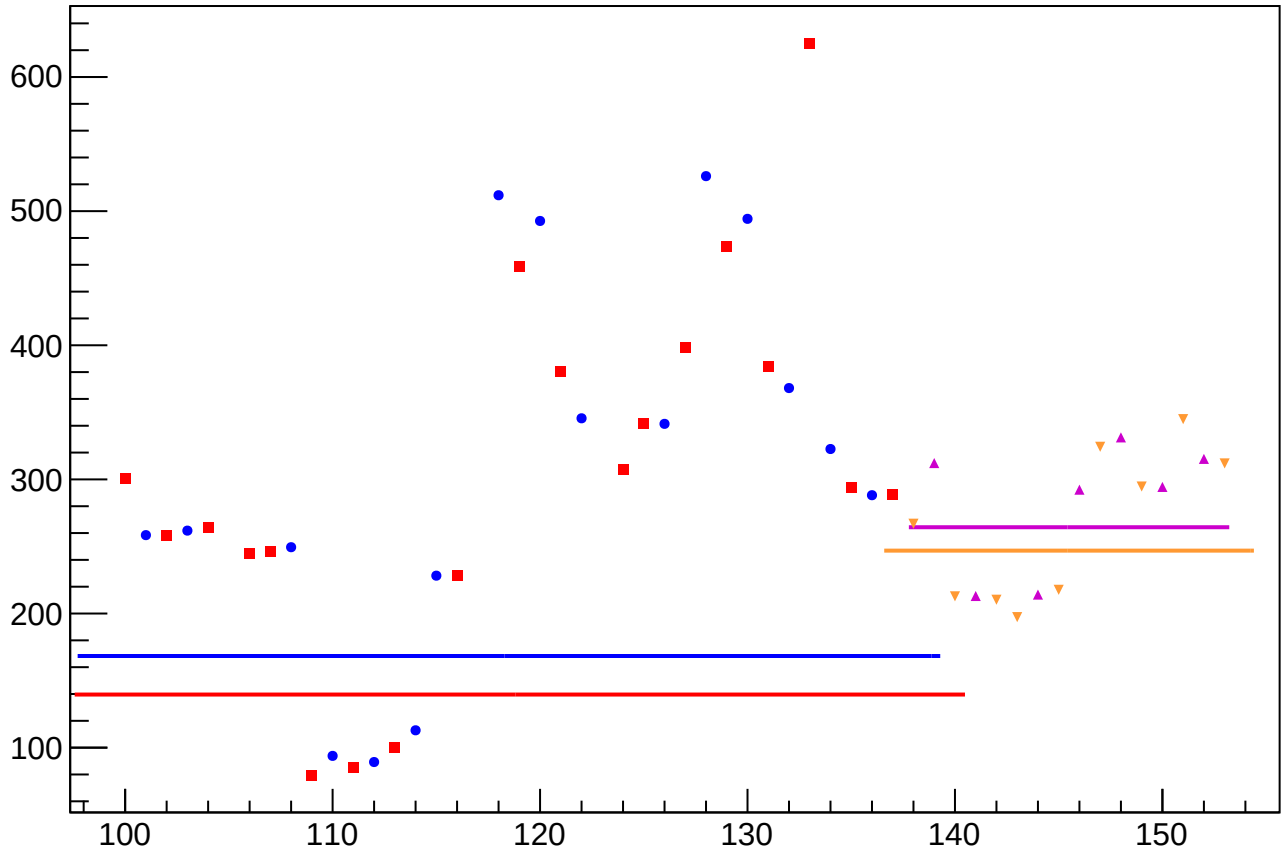
Left: -140.691+/-71.763 χ^2/NDF: 31.8/15

Right: -49.085+/-48.981 χ^2/NDF: 31.3/34

In: -58.702+/-62.410 χ^2/NDF:29.3/22

Out: -92.327+/-53.129 χ^2/NDF:34.7/27

All: -78.198+/-40.456 χ^2/NDF: 64.2/50



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 246.896+/-0.068 χ^2/NDF:553298.5/8

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

Left In: 264.337+/-0.077 χ^2/NDF:388140.9/6

Left: 254.492+/-0.051 χ^2/NDF: 970483.2/15

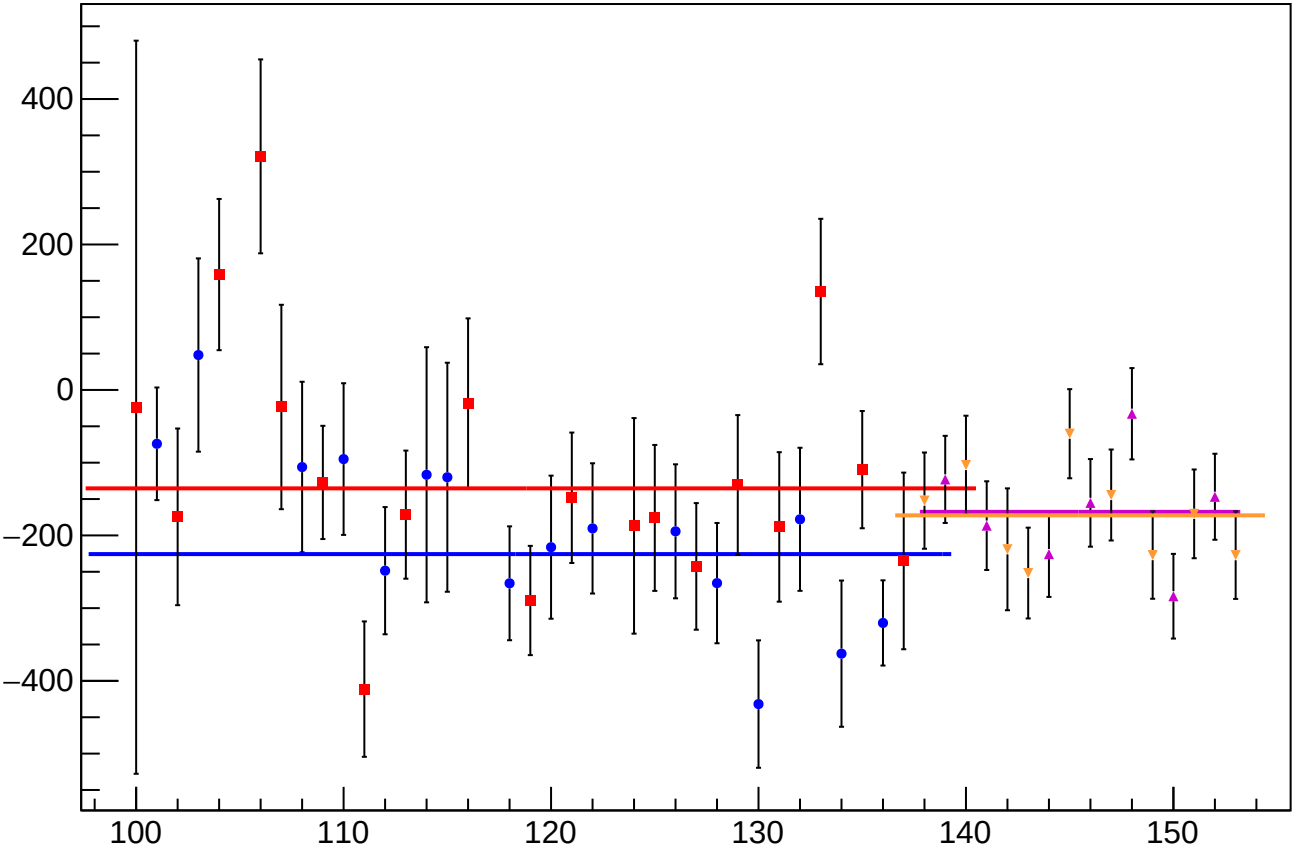
Right: 151.463+/-0.035 χ^2/NDF: 9865092.4/34

In: 199.955+/-0.044 χ^2/NDF:5977666.1/22

Out: 172.793+/-0.038 χ^2/NDF:7450571.6/27

All: 184.206+/-0.029 χ^2/NDF: 13647876.3/50

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -172.436+/-21.369 χ^2/NDF:8.3/8

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -167.628+/-22.668 χ^2/NDF:10.4/6

Left: -170.174+/-15.549 χ^2/NDF: 18.7/15

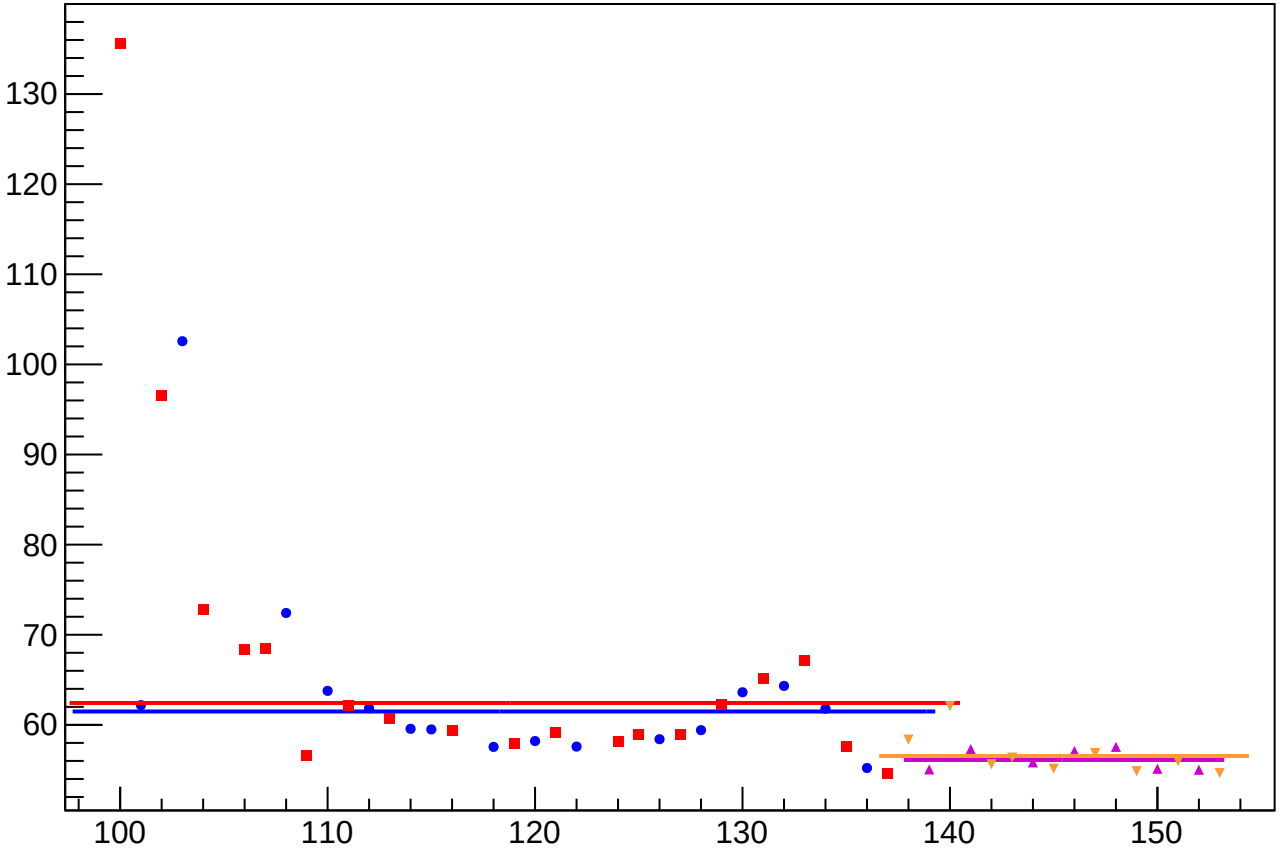
Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -196.089+/-16.186 χ^2/NDF:36.2/22

Out: -155.400+/-15.719 χ^2/NDF:54.6/27

All: -175.150+/-11.276 χ^2/NDF: 94.0/50

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.550+/-0.015 χ^2/NDF:19943.3/8

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.108+/-0.016 χ^2/NDF:4297.2/6

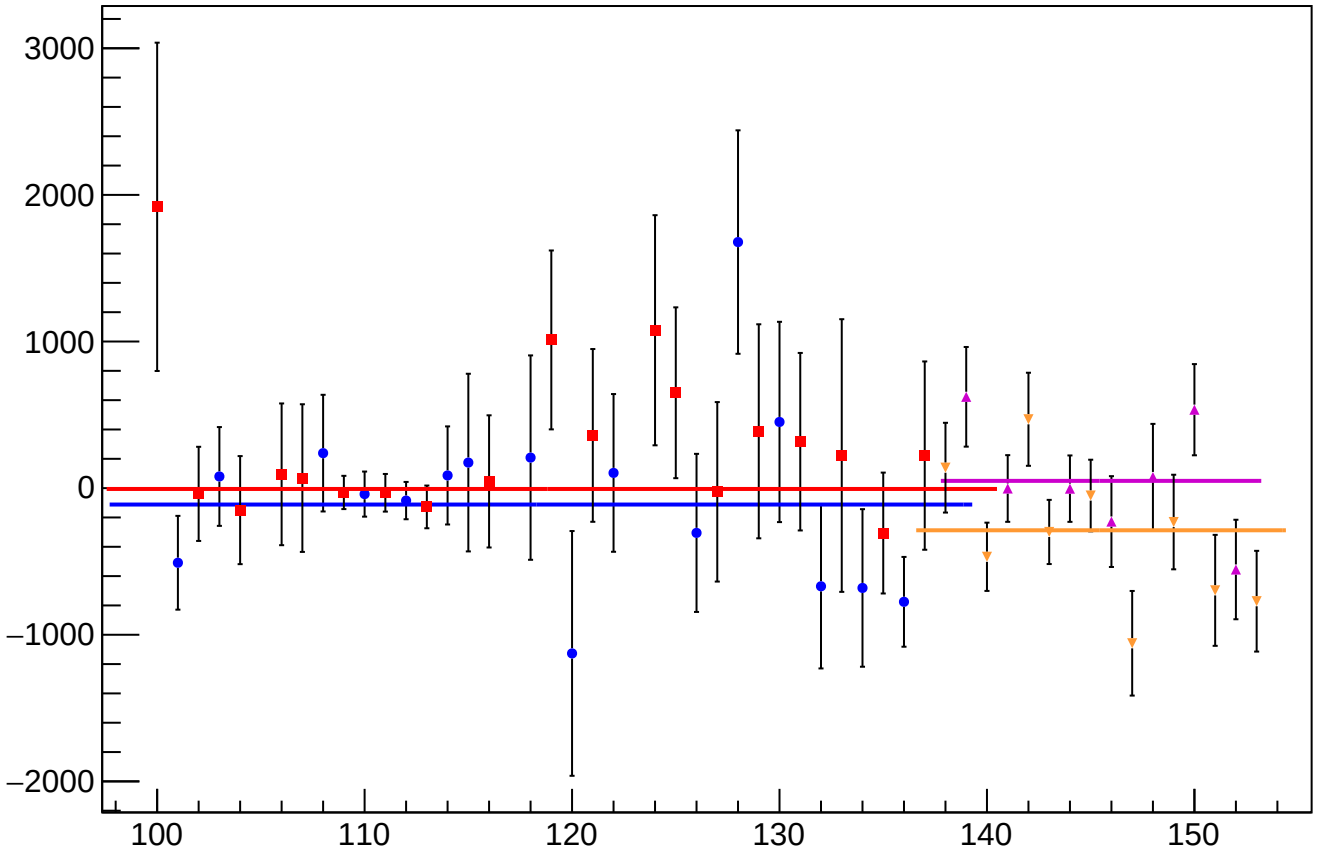
Left: 56.342+/-0.011 χ^2/NDF: 24643.1/15

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.744+/-0.011 χ^2/NDF:310155.2/22

Out: 59.249+/-0.011 χ^2/NDF:368911.6/27

All: 59.004+/-0.008 χ^2/NDF: 680070.5/50



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -287.479+/-95.515 χ^2/NDF:17.0/8

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 49.568+/-108.742 χ^2/NDF:9.4/6

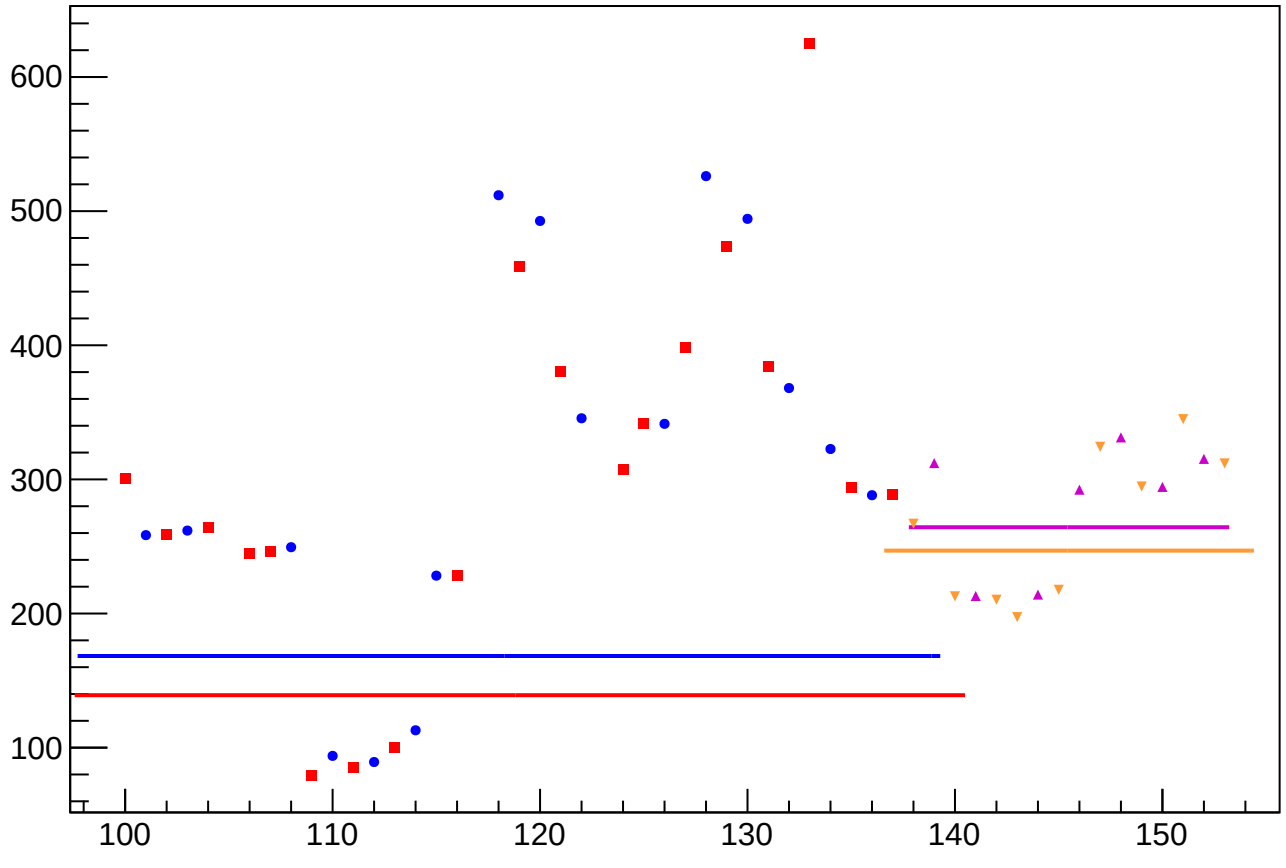
Left: -140.689+/-71.763 χ^2/NDF: 31.8/15

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -58.689+/-62.411 χ^2/NDF:29.3/22

Out: -93.112+/-53.217 χ^2/NDF:34.6/27

All: -78.620+/-40.494 χ^2/NDF: 64.1/50



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 246.896+/-0.068 χ^2/NDF:553302.5/8

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 264.337+/-0.077 χ^2/NDF:388141.3/6

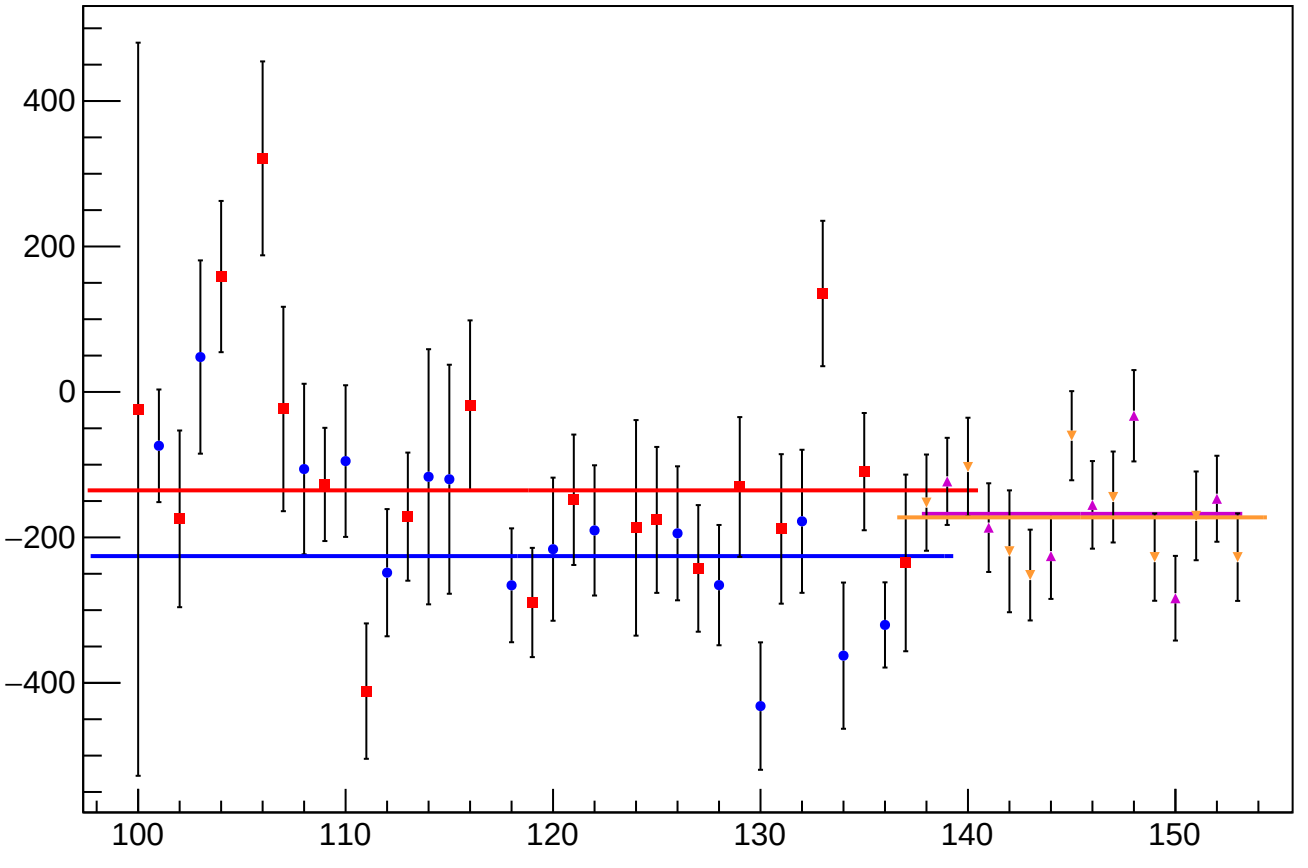
Left: 254.492+/-0.051 χ^2/NDF: 970488.8/15

Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 199.955+/-0.044 χ^2/NDF:5977713.4/22

Out: 172.565+/-0.038 χ^2/NDF:7439757.1/27

All: 184.096+/-0.029 χ^2/NDF: 13640510.1/50



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -172.436+/-21.369 χ^2/NDF:8.3/8

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -167.628+/-22.668 χ^2/NDF:10.4/6

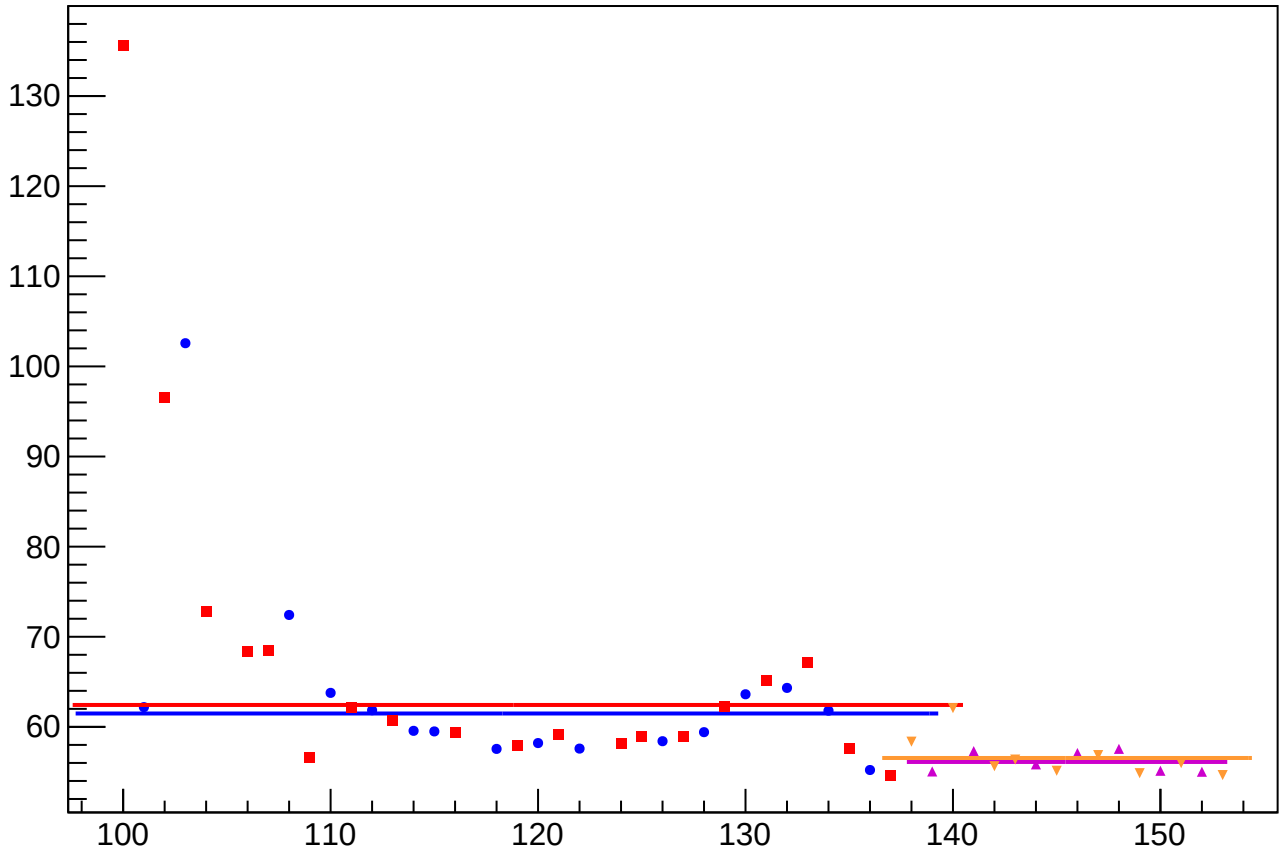
Left: -170.174+/-15.549 χ^2/NDF: 18.7/15

Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -196.089+/-16.186 χ^2/NDF:36.2/22

Out: -155.400+/-15.719 χ^2/NDF:54.6/27

All: -175.150+/-11.276 χ^2/NDF: 94.0/50



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.550+/-0.015 χ^2/NDF:19943.3/8

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.108+/-0.016 χ^2/NDF:4297.2/6

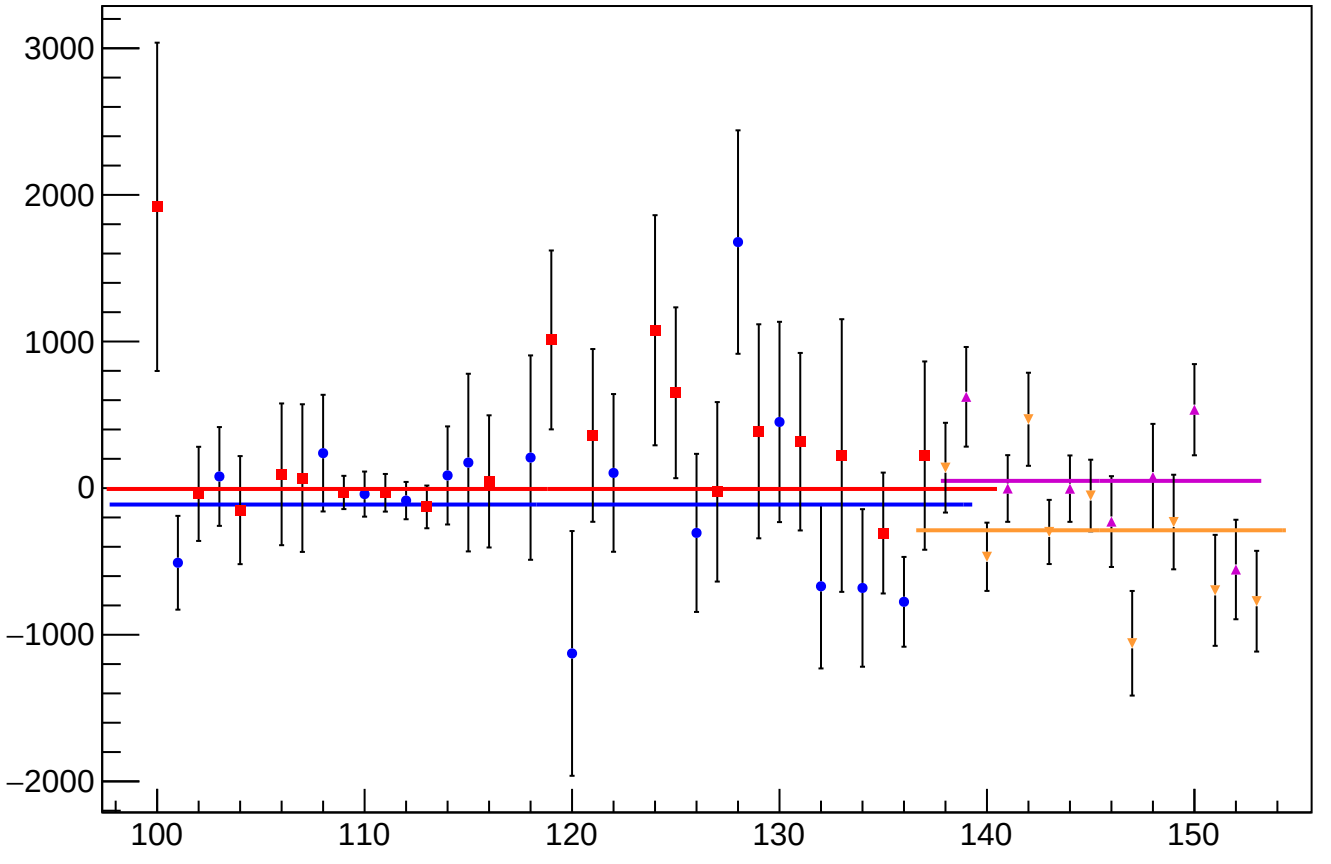
Left: 56.342+/-0.011 χ^2/NDF: 24643.1/15

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.744+/-0.011 χ^2/NDF:310155.2/22

Out: 59.249+/-0.011 χ^2/NDF:368911.6/27

All: 59.004+/-0.008 χ^2/NDF: 680070.5/50



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -287.479+/-95.515 χ^2/NDF:17.0/8

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 49.568+/-108.742 χ^2/NDF:9.4/6

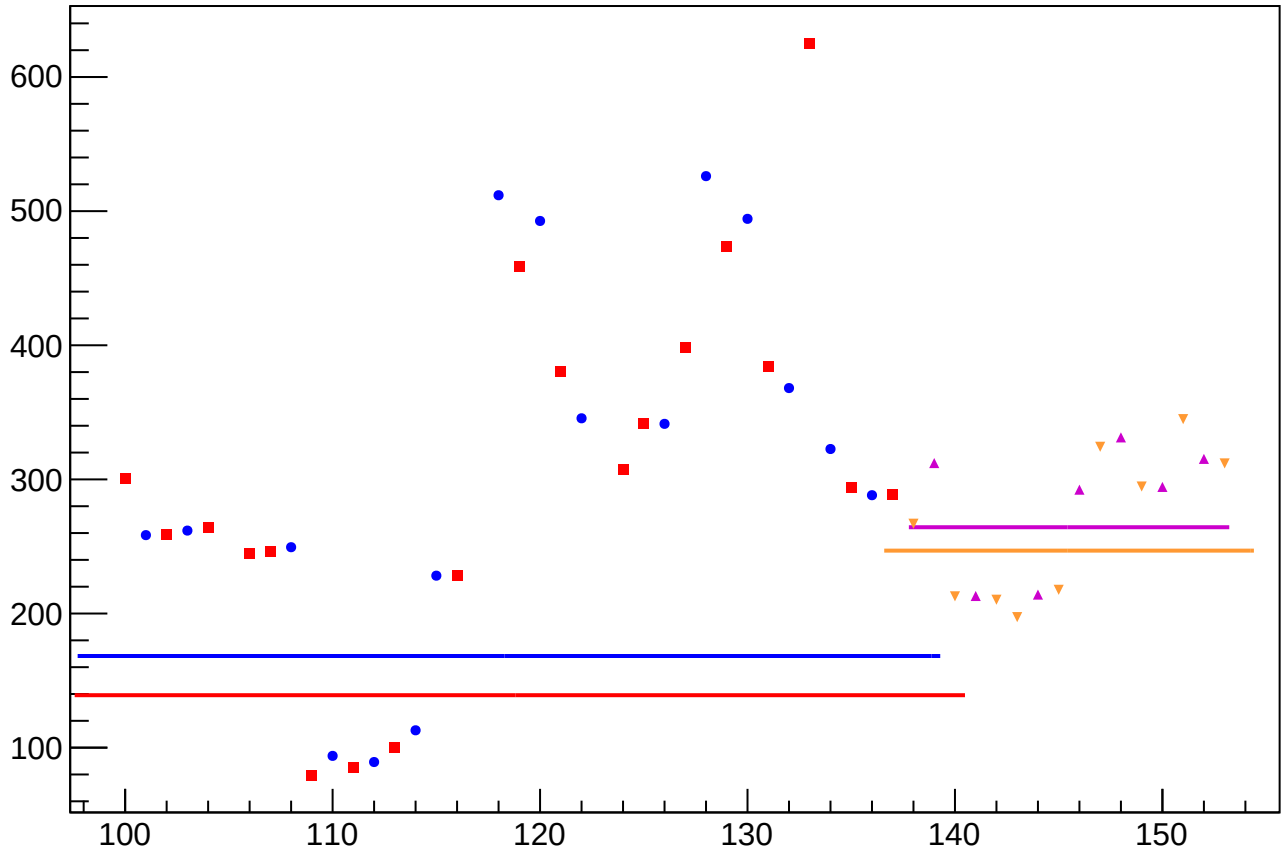
Left: -140.689+/-71.763 χ^2/NDF: 31.8/15

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -58.689+/-62.411 χ^2/NDF:29.3/22

Out: -93.112+/-53.217 χ^2/NDF:34.6/27

All: -78.620+/-40.494 χ^2/NDF: 64.1/50



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 246.896+/-0.068 χ^2/NDF:553302.5/8

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 264.337+/-0.077 χ^2/NDF:388141.3/6

Left: 254.492+/-0.051 χ^2/NDF: 970488.8/15

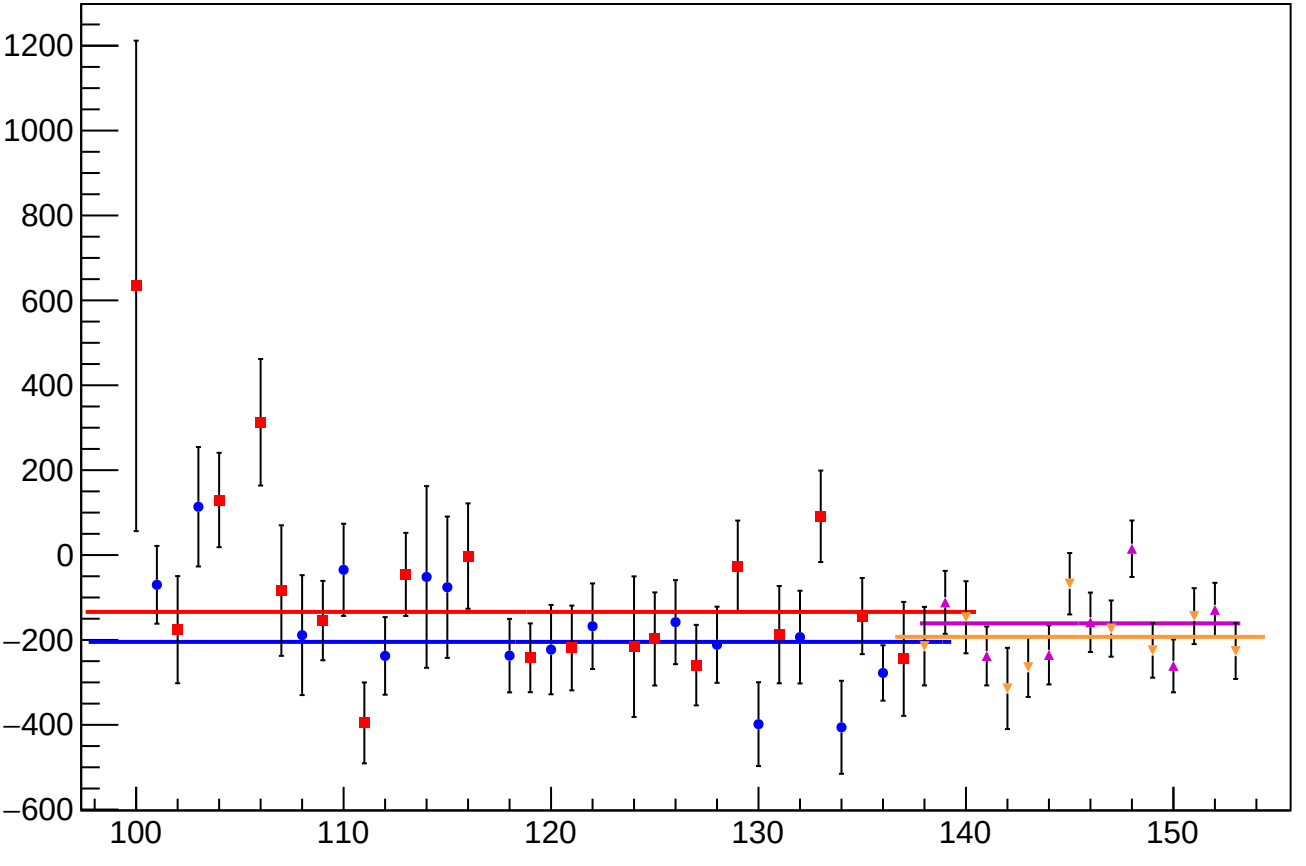
Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 199.955+/-0.044 χ^2/NDF:5977713.4/22

Out: 172.565+/-0.038 χ^2/NDF:7439757.1/27

All: 184.096+/-0.029 χ^2/NDF: 13640510.1/50

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -192.718+/-24.297 χ^2/NDF:7.2/8

Right Out: -133.924+/-25.484 χ^2/NDF: 37.2/18

Left In: -160.868+/-25.565 χ^2/NDF:12.6/6

Left: -177.602+/-17.612 χ^2/NDF: 20.6/15

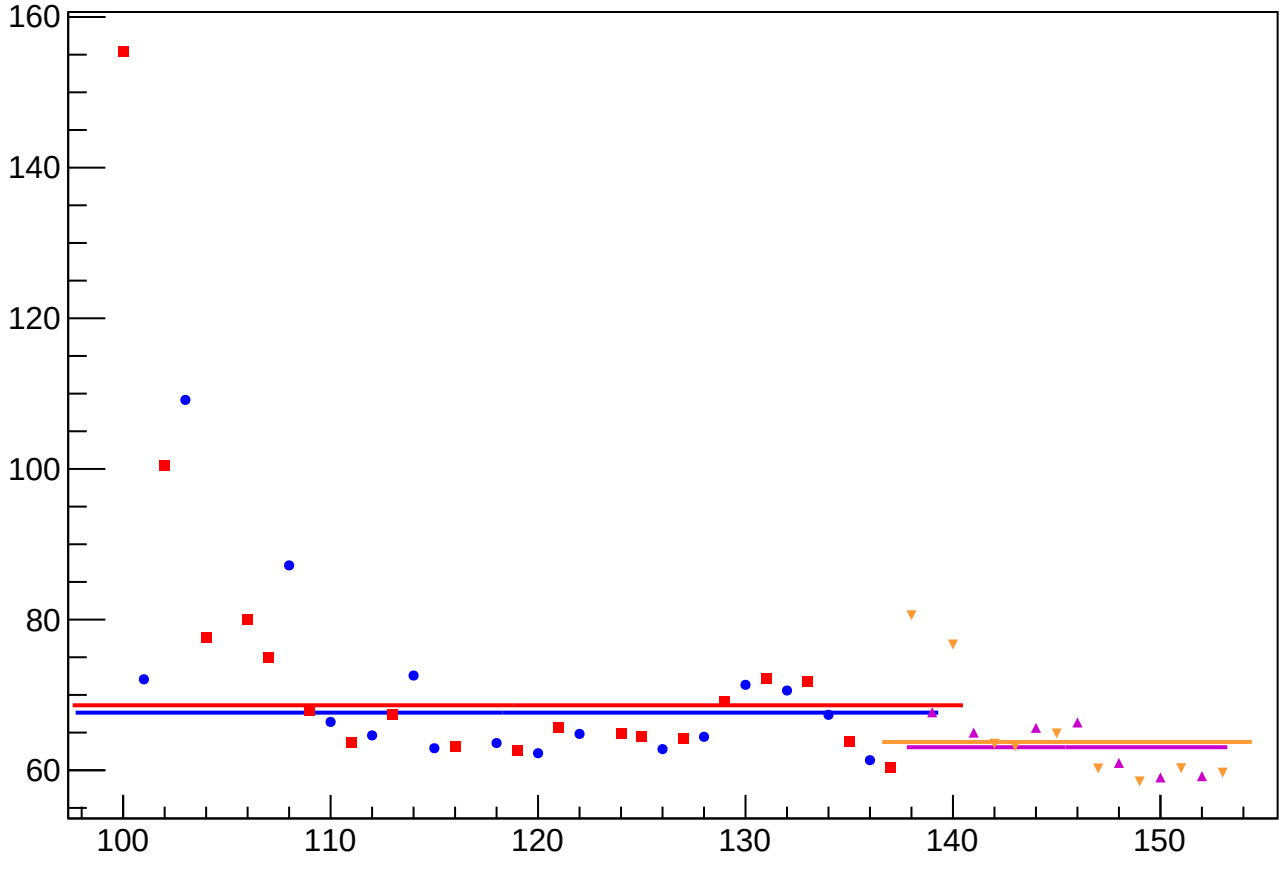
Right: -169.195+/-18.034 χ^2/NDF: 61.1/34

In: -182.758+/-18.062 χ^2/NDF:34.1/22

Out: -164.722+/-17.585 χ^2/NDF:47.2/27

All: -173.498+/-12.600 χ^2/NDF: 81.8/50

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 63.755+/-0.017 χ^2/NDF:145460.4/8

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

Left In: 63.056+/-0.018 χ^2/NDF:34034.6/6

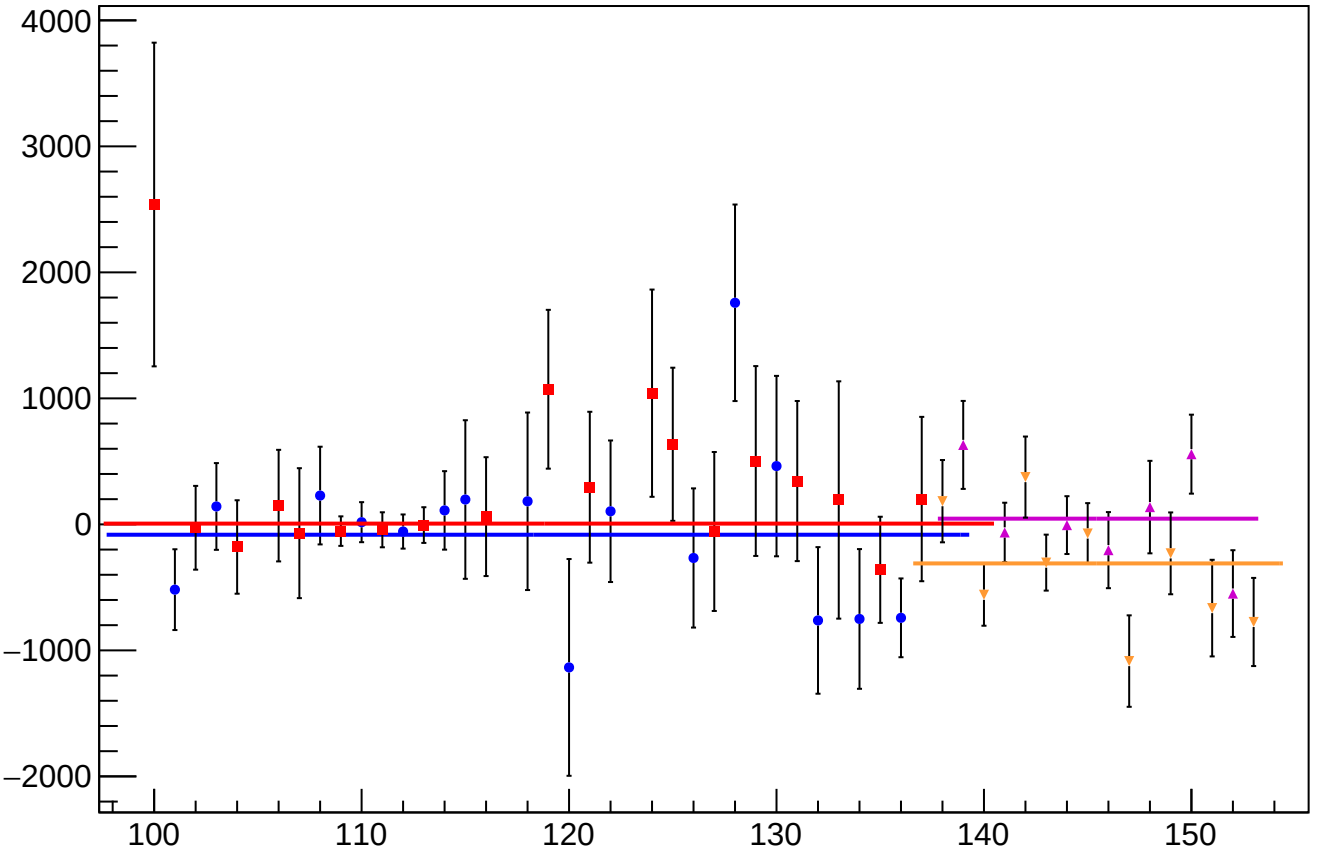
Left: 63.423+/-0.012 χ^2/NDF: 180281.3/15

Right: 68.136+/-0.013 χ^2/NDF: 513300.5/34

In: 65.355+/-0.013 χ^2/NDF:330017.0/22

Out: 66.073+/-0.012 χ^2/NDF:431869.1/27

All: 65.724+/-0.009 χ^2/NDF: 763509.4/50



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: -309.895+/-97.537 χ^2/NDF:16.1/8

Right Out: 6.063+/-65.910 χ^2/NDF: 12.0/18

Left In: 45.302+/-110.286 χ^2/NDF:9.5/6

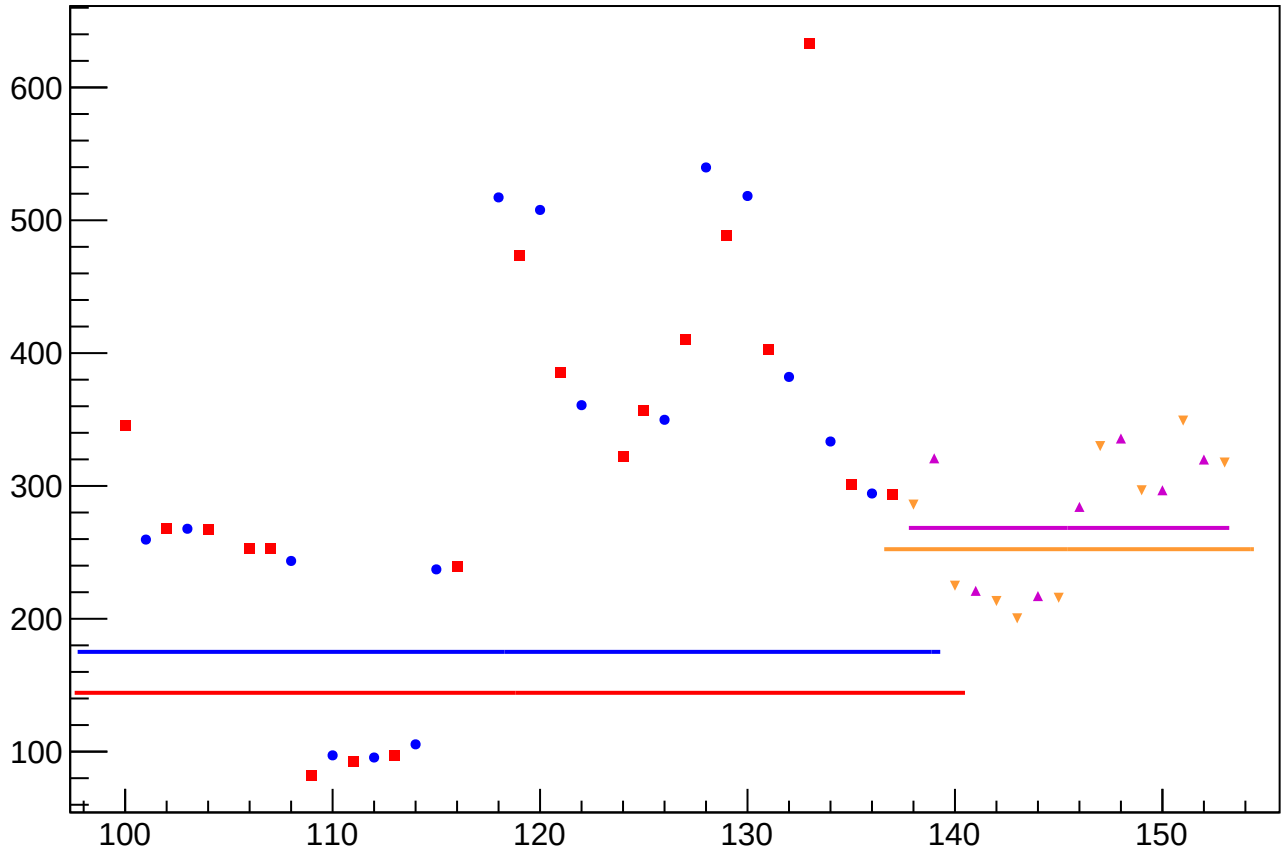
Left: -154.004+/-73.063 χ^2/NDF: 31.3/15

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -39.216+/-64.049 χ^2/NDF:29.6/22

Out: -92.985+/-54.611 χ^2/NDF:35.3/27

All: -70.350+/-41.556 χ^2/NDF: 65.3/50



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 252.389+/-0.069 χ^2/NDF:557226.4/8

Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

Left In: 268.405+/-0.078 χ^2/NDF:359739.2/6

Left: 259.418+/-0.052 χ^2/NDF: 940631.8/15

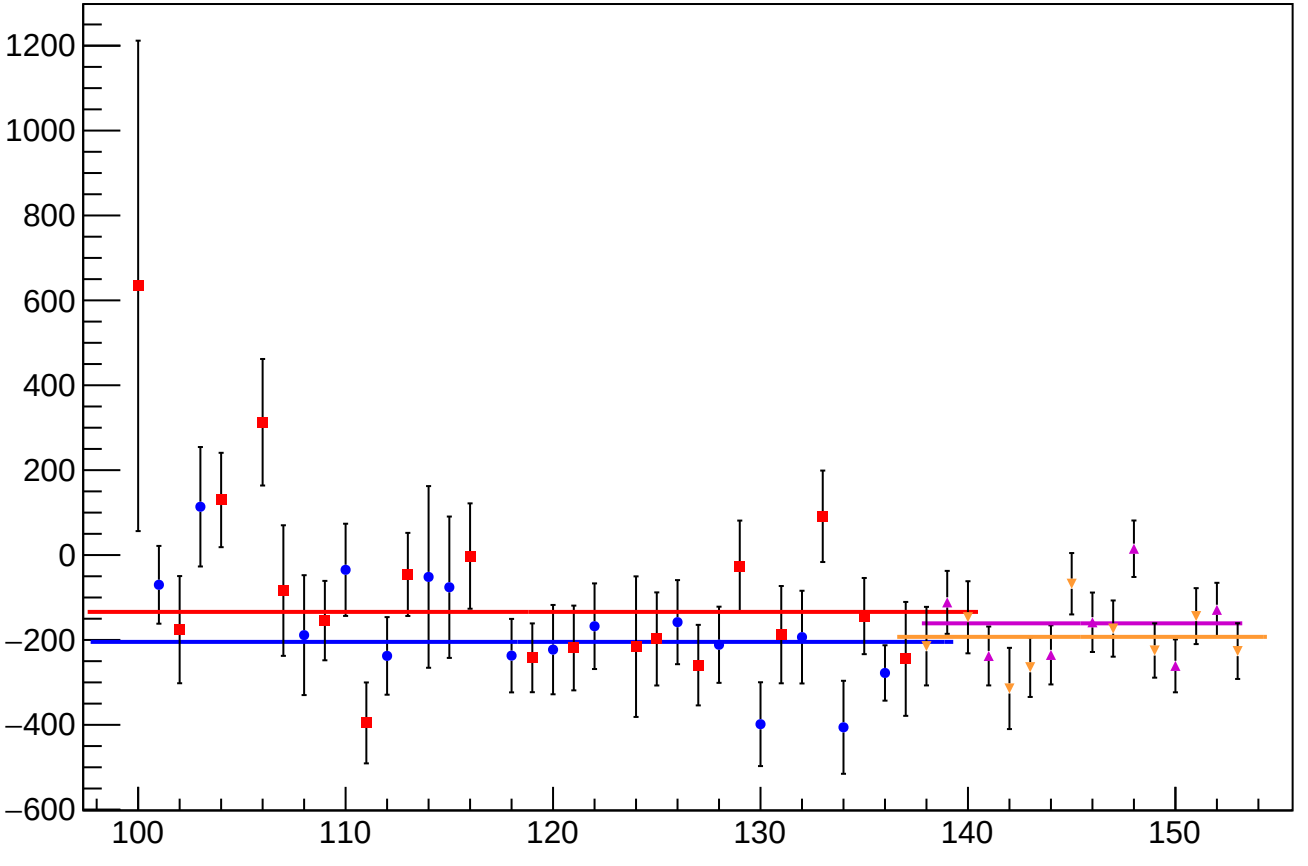
Right: 156.987+/-0.036 χ^2/NDF: 9741889.9/34

In: 206.569+/-0.045 χ^2/NDF:5737537.3/22

Out: 178.168+/-0.039 χ^2/NDF:7376587.4/27

All: 190.123+/-0.029 χ^2/NDF: 13341829.9/50

eigen_dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -192.718+/-24.297 χ^2/NDF:7.2/8

Right Out: -133.926+/-25.483 χ^2/NDF: 37.2/18

Left In: -160.868+/-25.565 χ^2/NDF:12.6/6

Left: -177.602+/-17.612 χ^2/NDF: 20.6/15

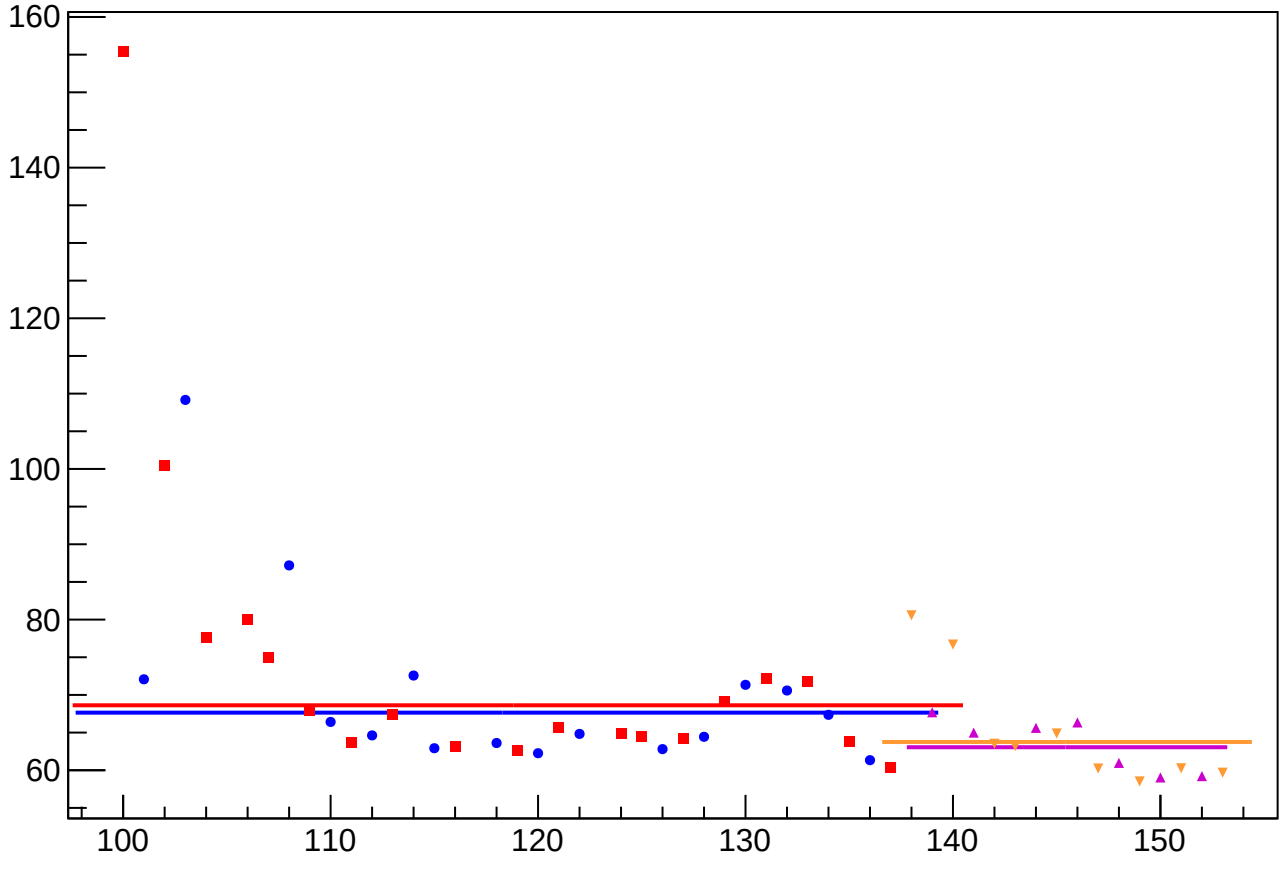
Right: -169.196+/-18.034 χ^2/NDF: 61.1/34

In: -182.758+/-18.062 χ^2/NDF:34.1/22

Out: -164.722+/-17.585 χ^2/NDF:47.2/27

All: -173.499+/-12.600 χ^2/NDF: 81.8/50

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 63.755+/-0.017 χ^2/NDF:145459.3/8

Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

Left In: 63.056+/-0.018 χ^2/NDF:34035.0/6

Left: 63.423+/-0.012 χ^2/NDF: 180280.5/15

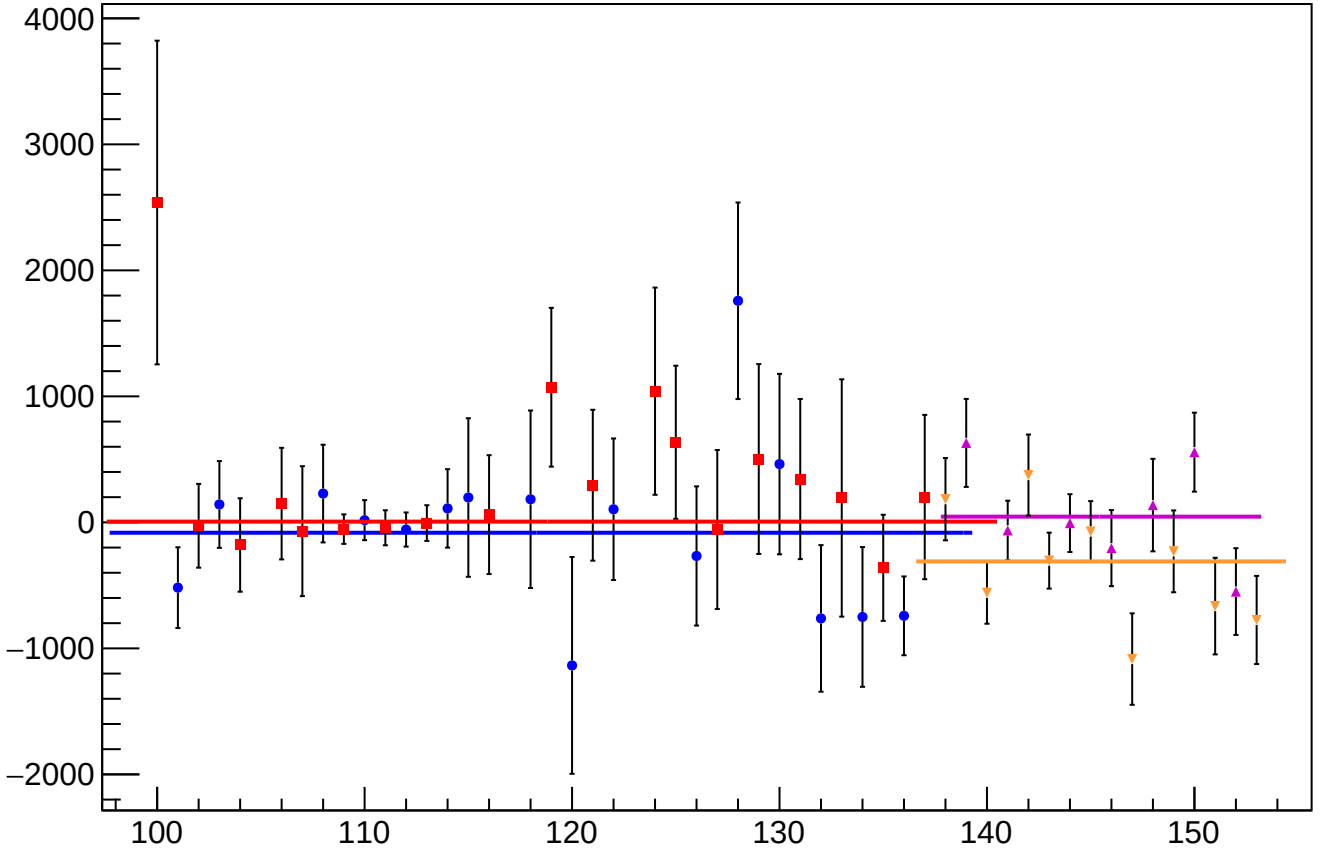
Right: 68.136+/-0.013 χ^2/NDF: 513301.0/34

In: 65.355+/-0.013 χ^2/NDF:330012.9/22

Out: 66.073+/-0.012 χ^2/NDF:431864.9/27

All: 65.724+/-0.009 χ^2/NDF: 763501.1/50

asym_sam8_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -309.895+/-97.537 χ^2/NDF:16.1/8

Right Out: 6.062+/-65.910 χ^2/NDF: 12.0/18

Left In: 45.302+/-110.286 χ^2/NDF:9.5/6

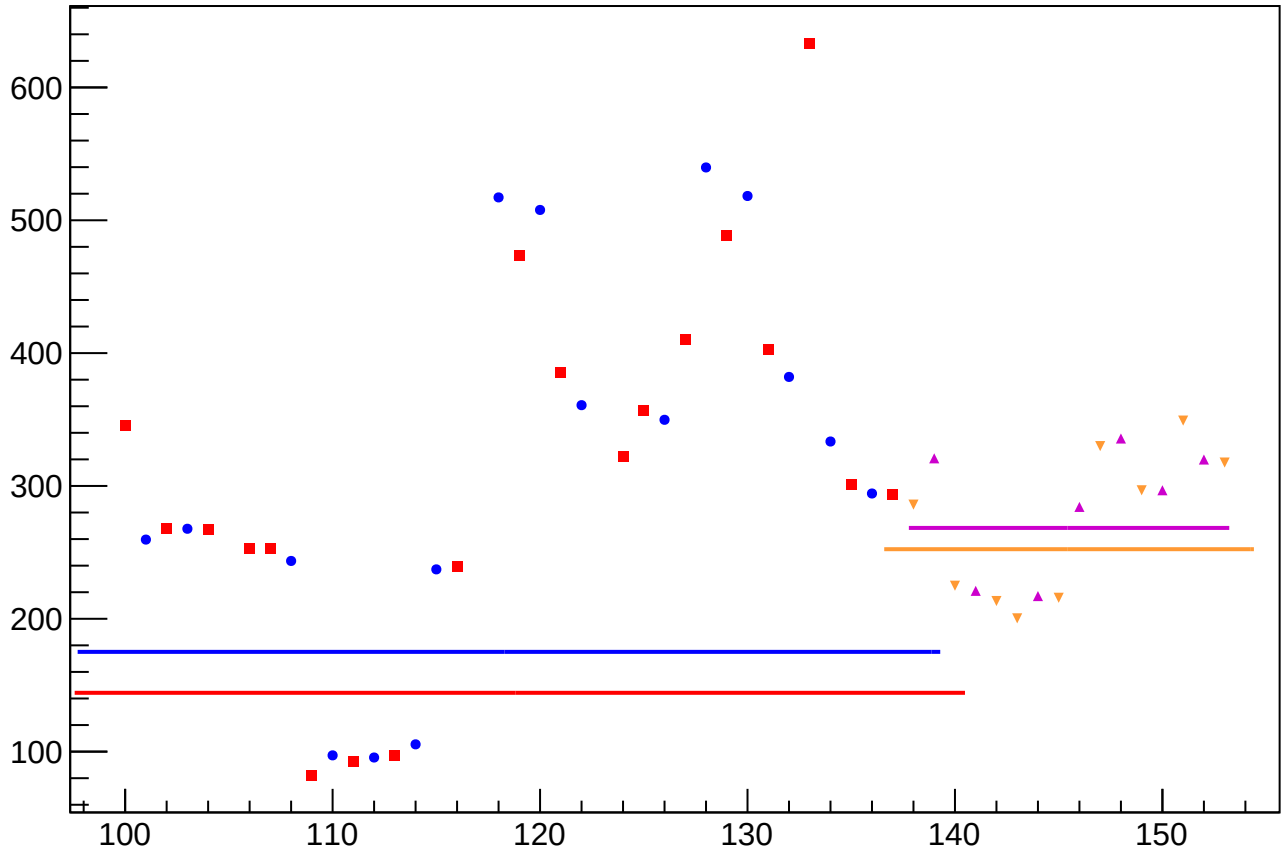
Left: -154.004+/-73.063 χ^2/NDF: 31.3/15

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -39.215+/-64.048 χ^2/NDF:29.6/22

Out: -92.986+/-54.611 χ^2/NDF:35.3/27

All: -70.350+/-41.556 χ^2/NDF: 65.3/50



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 252.388+/-0.069 χ^2/NDF:557230.0/8

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

Left In: 268.404+/-0.078 χ^2/NDF:359737.6/6

Left: 259.417+/-0.052 χ^2/NDF: 940634.4/15

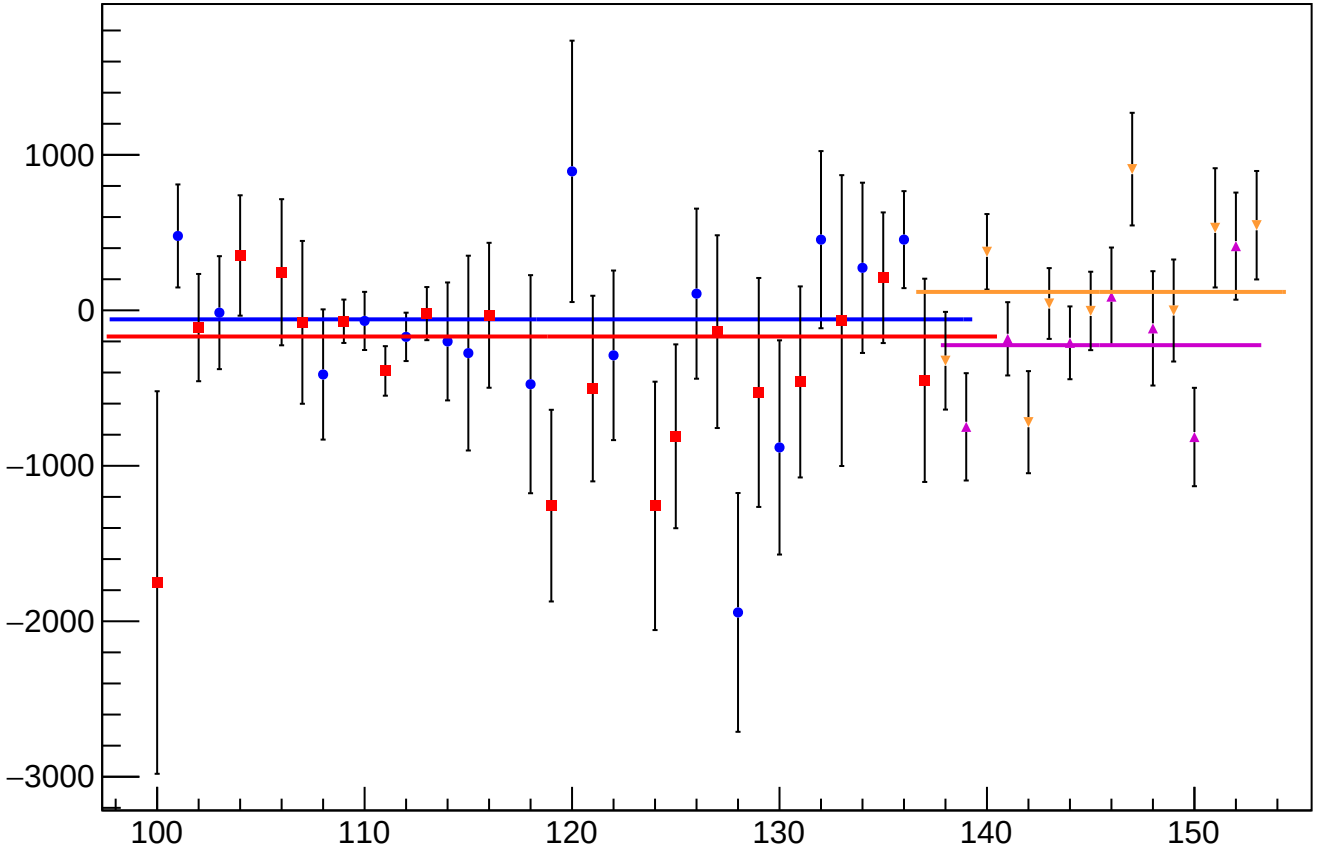
Right: 156.987+/-0.036 χ^2/NDF: 9741880.9/34

In: 206.567+/-0.045 χ^2/NDF:5737574.0/22

Out: 178.167+/-0.039 χ^2/NDF:7376557.6/27

All: 190.123+/-0.029 χ^2/NDF: 13341824.8/50

asym_sam8_mean vs Slug, Sign Corrected



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 118.487+/-98.384 χ^2/NDF:17.5/8

Right Out: -168.322+/-74.598 χ^2/NDF: 15.5/18

Left In: -224.054+/-111.470 χ^2/NDF:10.3/6

Left: -31.507+/-73.763 χ^2/NDF: 33.1/15

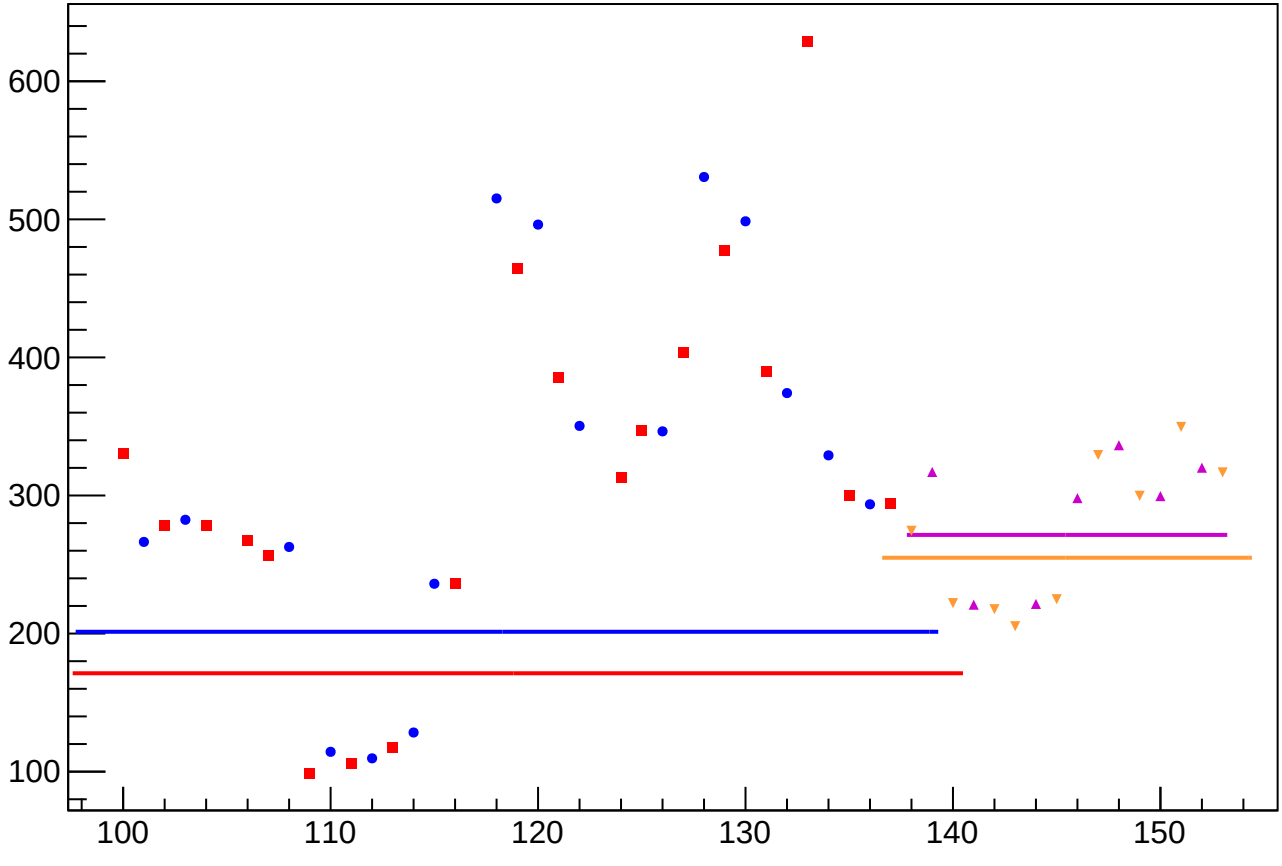
Right: -121.498+/-56.600 χ^2/NDF: 33.8/34

In: -120.744+/-68.530 χ^2/NDF:29.1/22

Out: -63.624+/-59.443 χ^2/NDF:38.4/27

All: -88.148+/-44.904 χ^2/NDF: 67.9/50

asym_sam8_rms vs Slug, Sign Corrected



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 254.923+/-0.070 χ^2/NDF:500011.2/8

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

Left In: 271.457+/-0.079 χ^2/NDF:350245.8/6

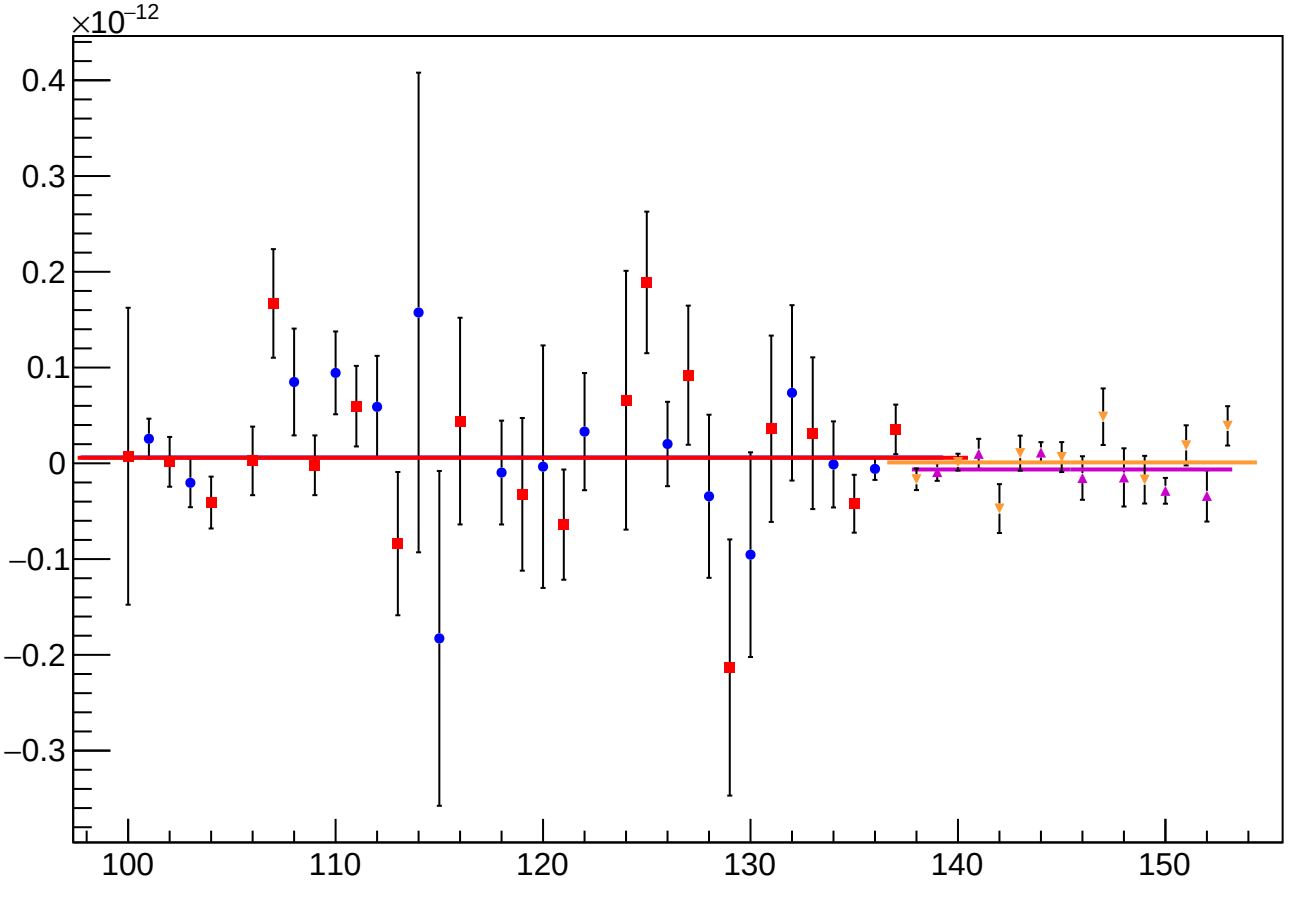
Left: 262.163+/-0.052 χ^2/NDF: 874991.8/15

Right: 184.002+/-0.040 χ^2/NDF: 7902458.5/34

In: 227.817+/-0.048 χ^2/NDF:4415233.0/22

Out: 201.795+/-0.042 χ^2/NDF:5611056.6/27

All: 212.968+/-0.032 χ^2/NDF: 10190852.2/5



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

Left Out: 0.000+/-0.000 χ^2/NDF:13.7/8

Right Out: 0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: -0.000+/-0.000 χ^2/NDF:7.9/6

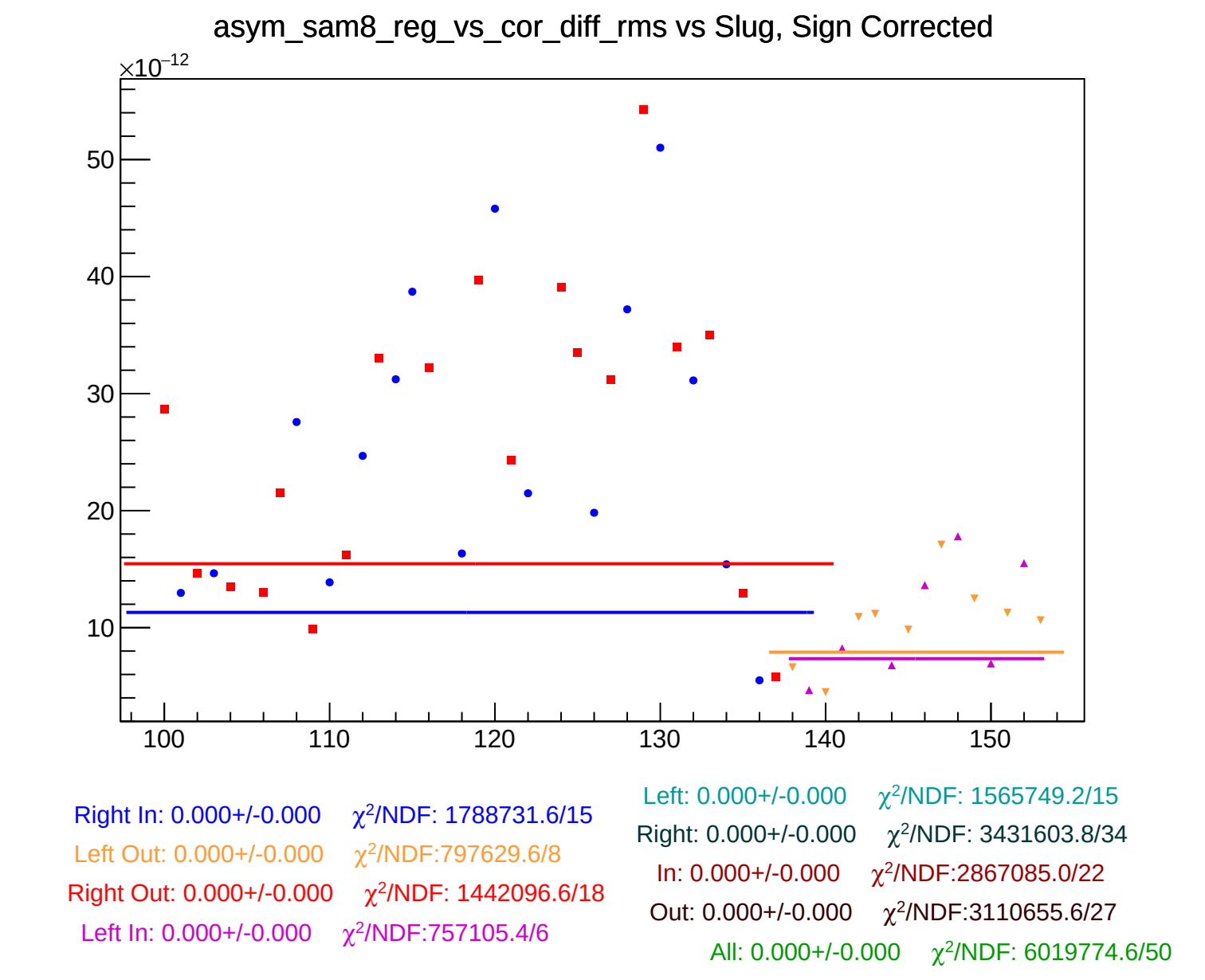
Left: -0.000+/-0.000 χ^2/NDF: 22.6/15

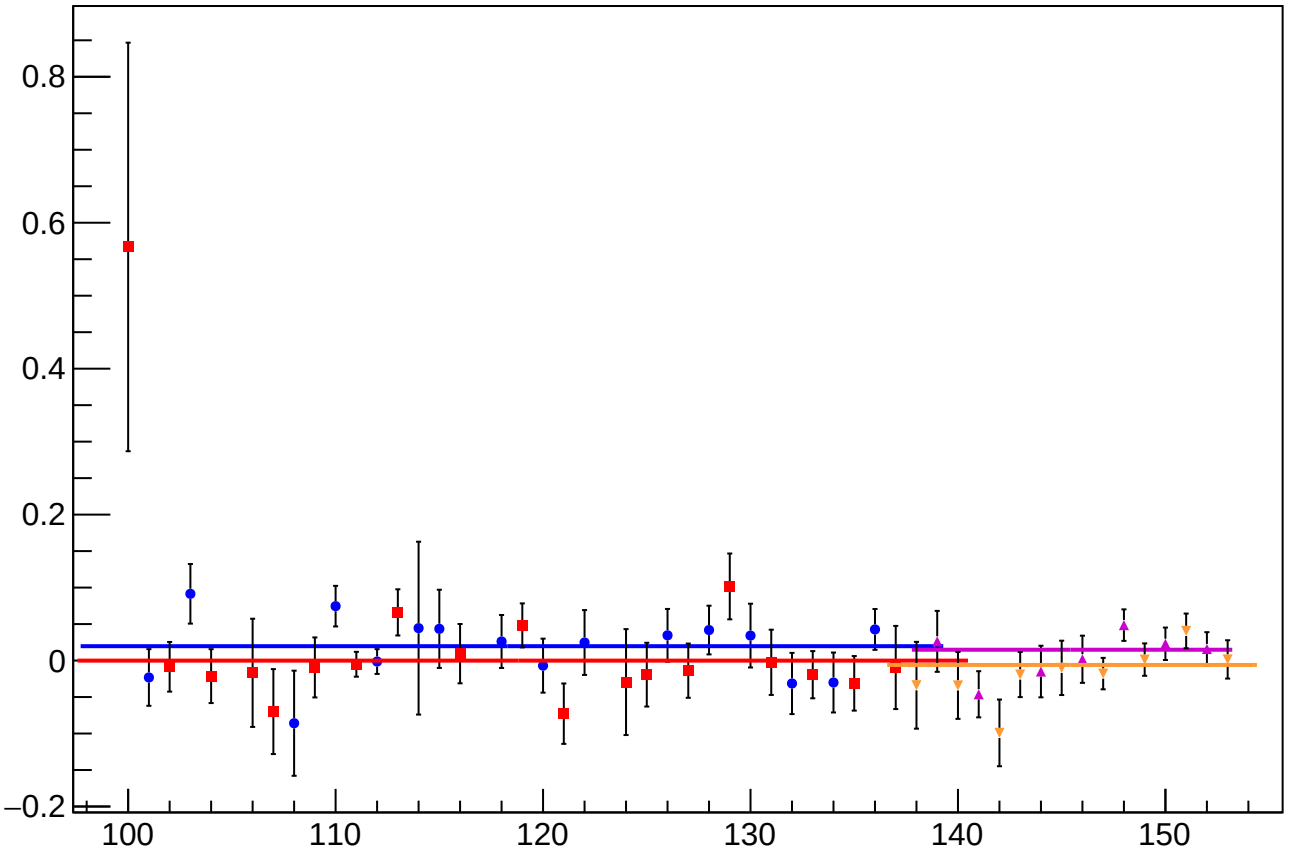
Right: 0.000+/-0.000 χ^2/NDF: 44.3/34

In: -0.000+/-0.000 χ^2/NDF:23.3/22

Out: 0.000+/-0.000 χ^2/NDF:44.4/27

All: -0.000+/-0.000 χ^2/NDF: 68.2/50


asym_sam8_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1788731.6/15
Left Out: 0.000+/-0.000 χ²/NDF:797629.6/8
Right Out: 0.000+/-0.000 χ²/NDF: 1442096.6/18
Left In: 0.000+/-0.000 χ²/NDF:757105.4/6
Left: 0.000+/-0.000 χ²/NDF: 1565749.2/15
Right: 0.000+/-0.000 χ²/NDF: 3431603.8/34
In: 0.000+/-0.000 χ²/NDF:2867085.0/22
Out: 0.000+/-0.000 χ²/NDF:3110655.6/27
All: 0.000+/-0.000 χ²/NDF: 6019774.6/50



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.010 χ^2/NDF:9.3/8

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.015+/-0.010 χ^2/NDF:7.3/6

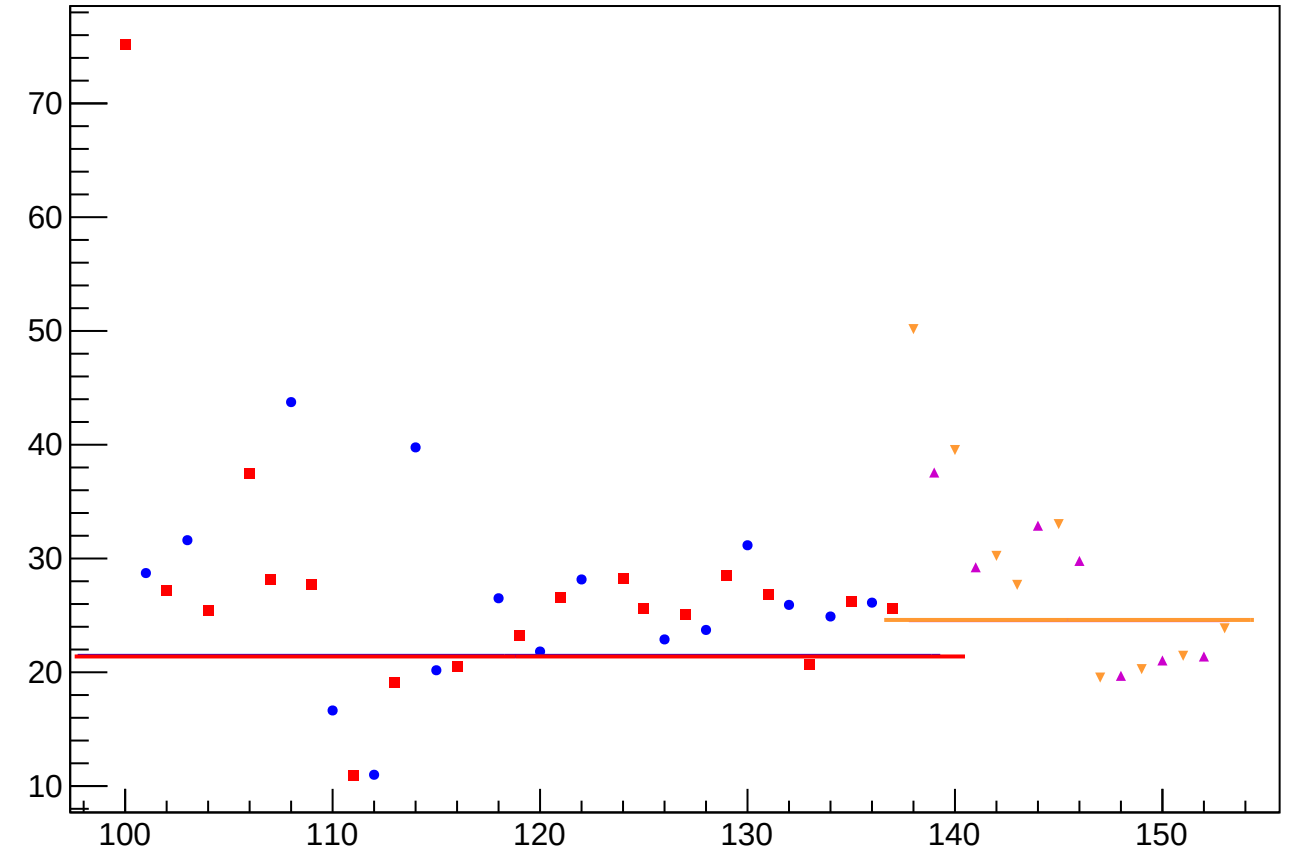
Left: 0.004+/-0.007 χ^2/NDF: 18.7/15

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.018+/-0.007 χ^2/NDF:24.4/22

Out: -0.003+/-0.006 χ^2/NDF:32.3/27

All: 0.007+/-0.005 χ^2/NDF: 61.6/50



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.600+/-0.007 χ^2/NDF:957633.3/8

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 24.585+/-0.007 χ^2/NDF:590445.4/6

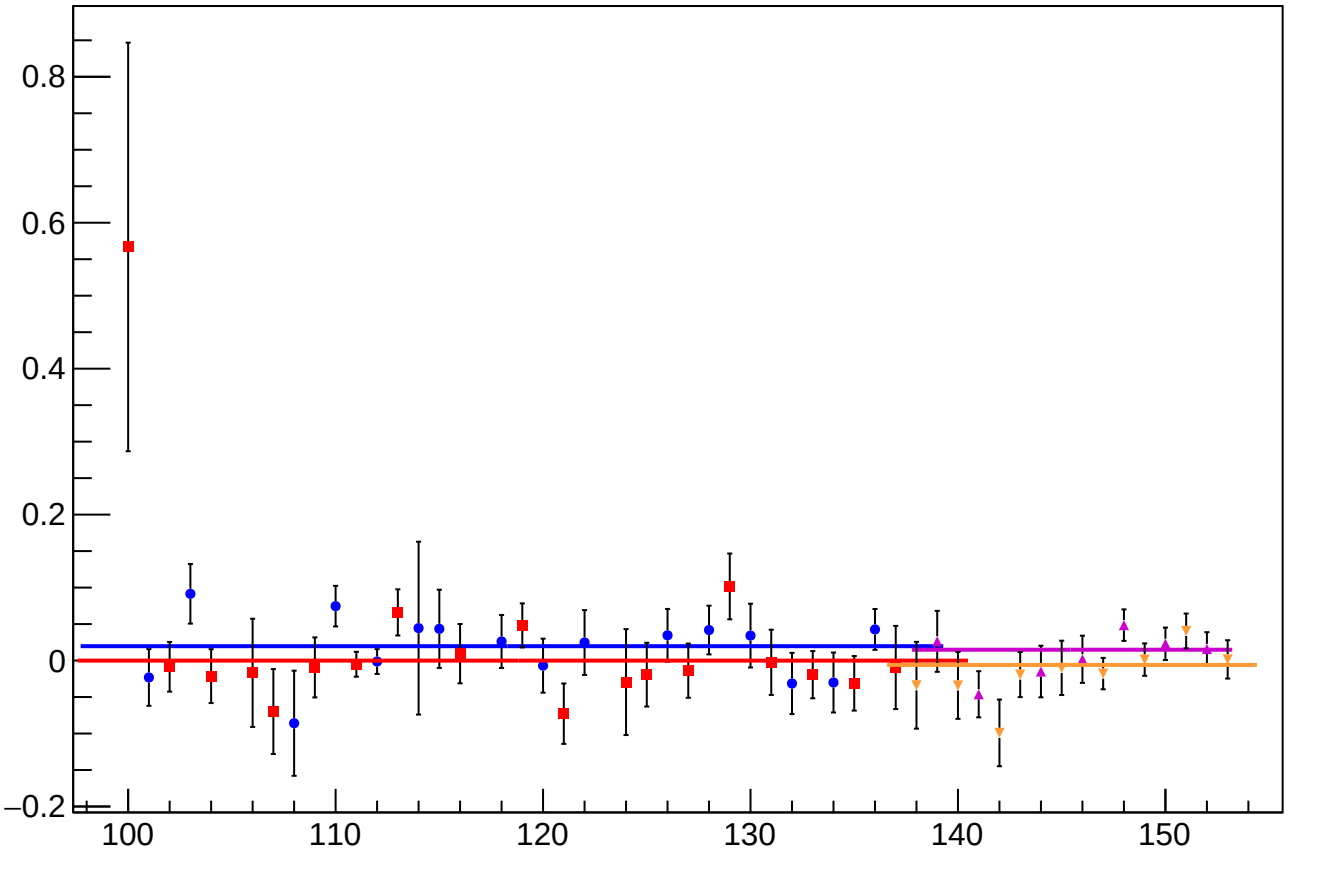
Left: 24.593+/-0.005 χ^2/NDF: 1548081.1/15

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 22.745+/-0.005 χ^2/NDF:2239566.7/22

Out: 22.769+/-0.005 χ^2/NDF:2391972.1/27

All: 22.757+/-0.003 χ^2/NDF: 4631551.6/50



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.010 χ^2/NDF:9.3/8

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.015+/-0.010 χ^2/NDF:7.3/6

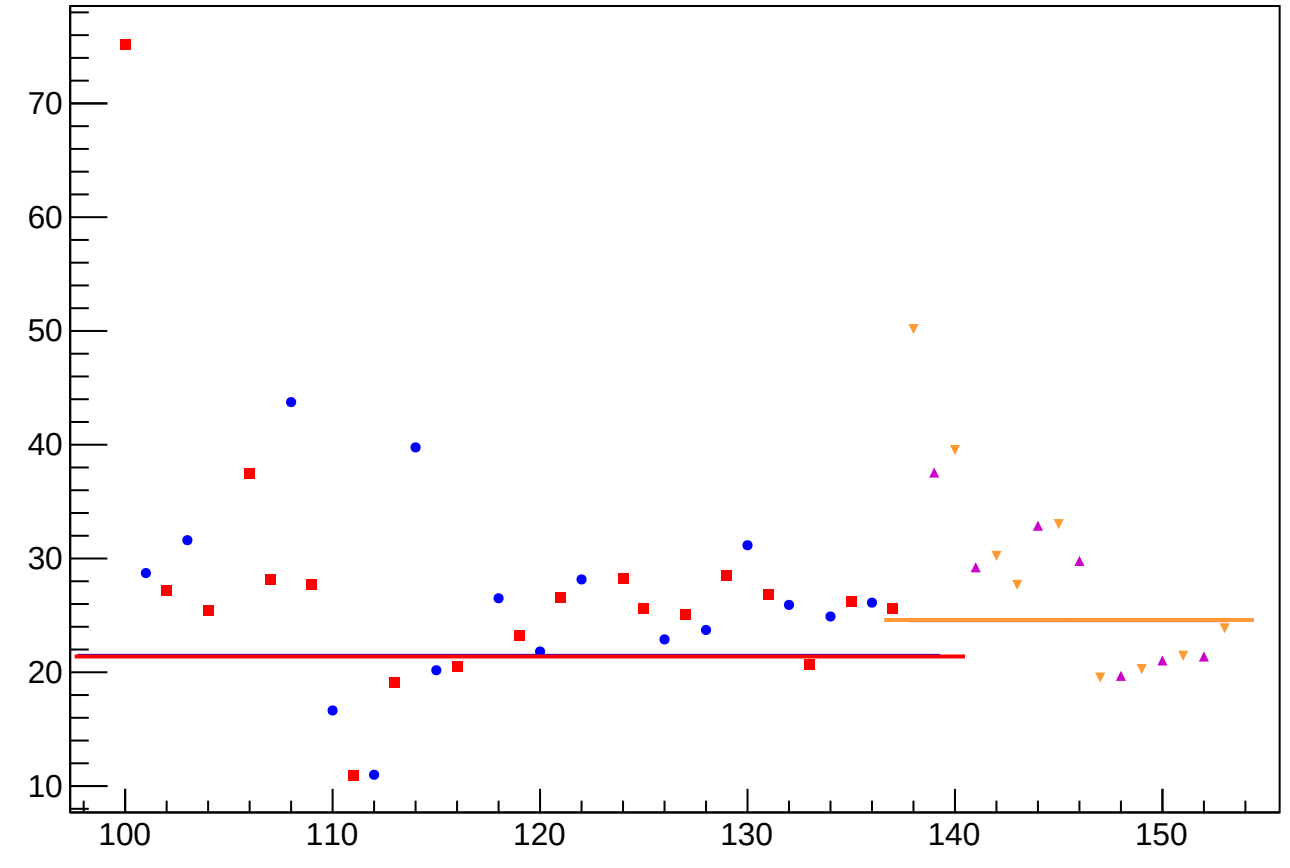
Left: 0.004+/-0.007 χ^2/NDF: 18.7/15

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.018+/-0.007 χ^2/NDF:24.4/22

Out: -0.003+/-0.006 χ^2/NDF:32.3/27

All: 0.007+/-0.005 χ^2/NDF: 61.6/50



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.600+/-0.007 χ^2/NDF:957633.3/8

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 24.585+/-0.007 χ^2/NDF:590445.4/6

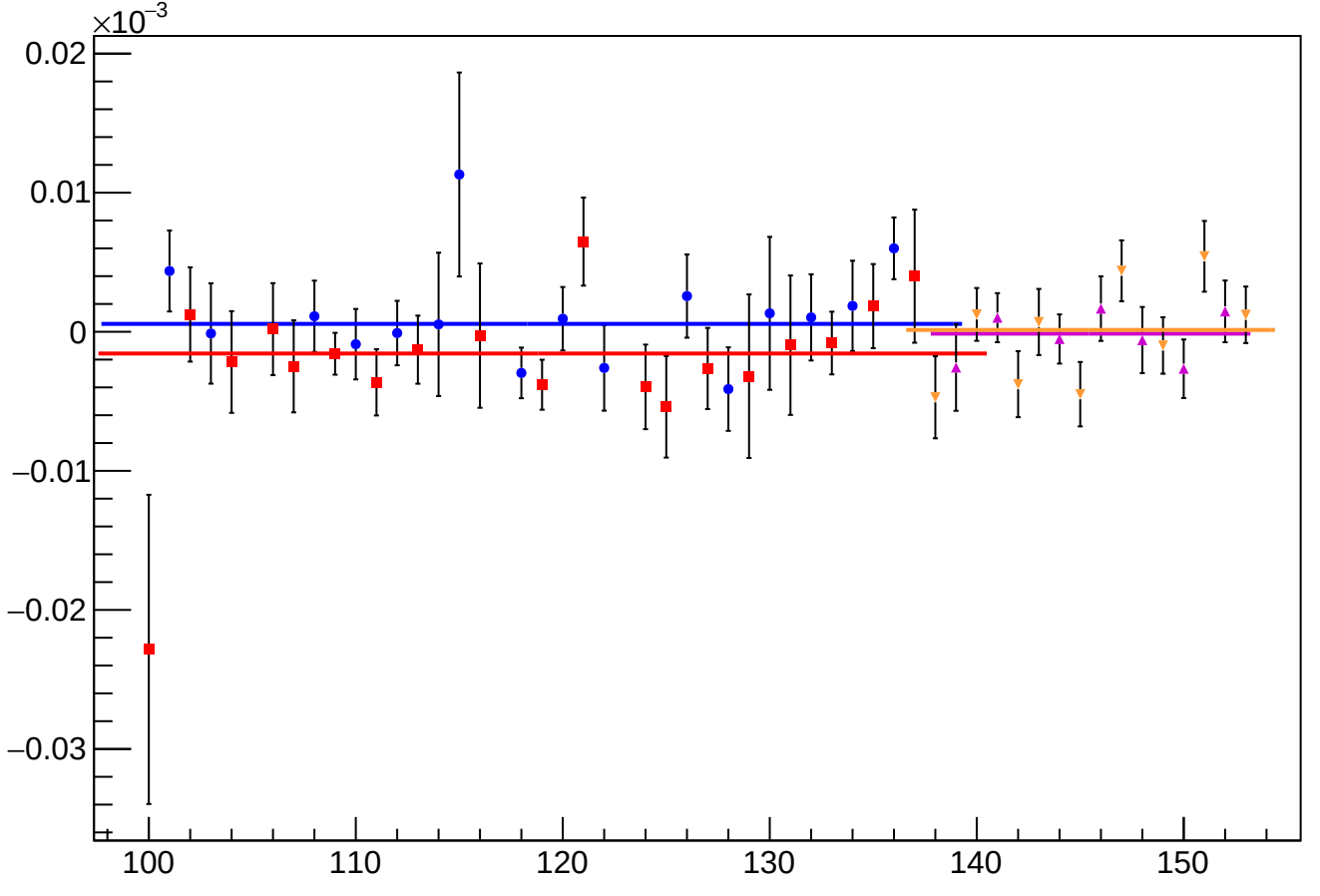
Left: 24.593+/-0.005 χ^2/NDF: 1548081.1/15

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 22.745+/-0.005 χ^2/NDF:2239566.7/22

Out: 22.769+/-0.005 χ^2/NDF:2391972.1/27

All: 22.757+/-0.003 χ^2/NDF: 4631551.6/50



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

Left Out: 0.000+/-0.000 χ^2/NDF:18.5/8

Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/18

Left In: -0.000+/-0.000 χ^2/NDF:3.7/6

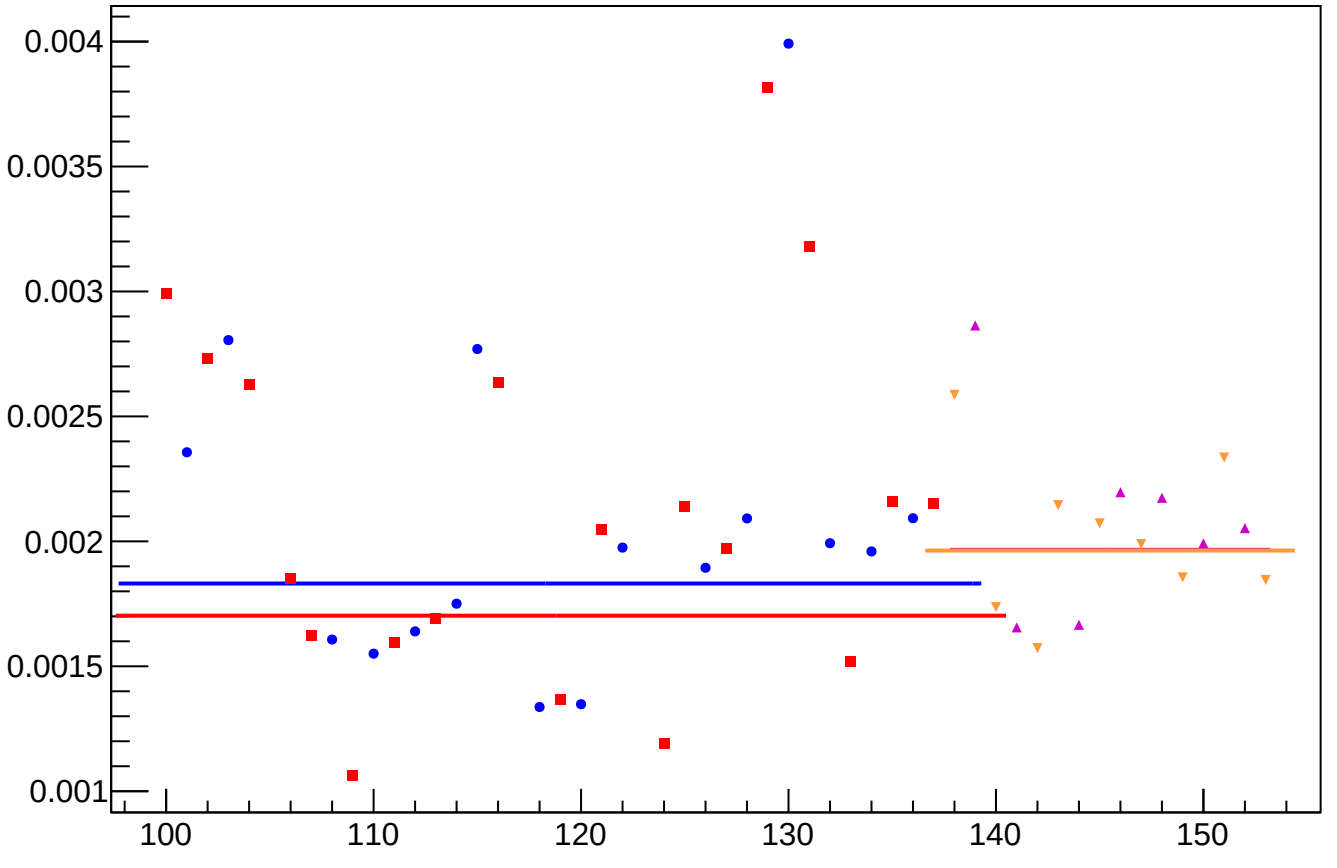
Left: 0.000+/-0.000 χ^2/NDF: 22.2/15

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: 0.000+/-0.000 χ^2/NDF:22.4/22

Out: -0.000+/-0.000 χ^2/NDF:39.6/27

All: -0.000+/-0.000 χ^2/NDF: 64.2/50



Right In: 0.002+/-0.000 χ^2/NDF: 900406.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:243248.5/8

Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

Left In: 0.002+/-0.000 χ^2/NDF:324199.2/6

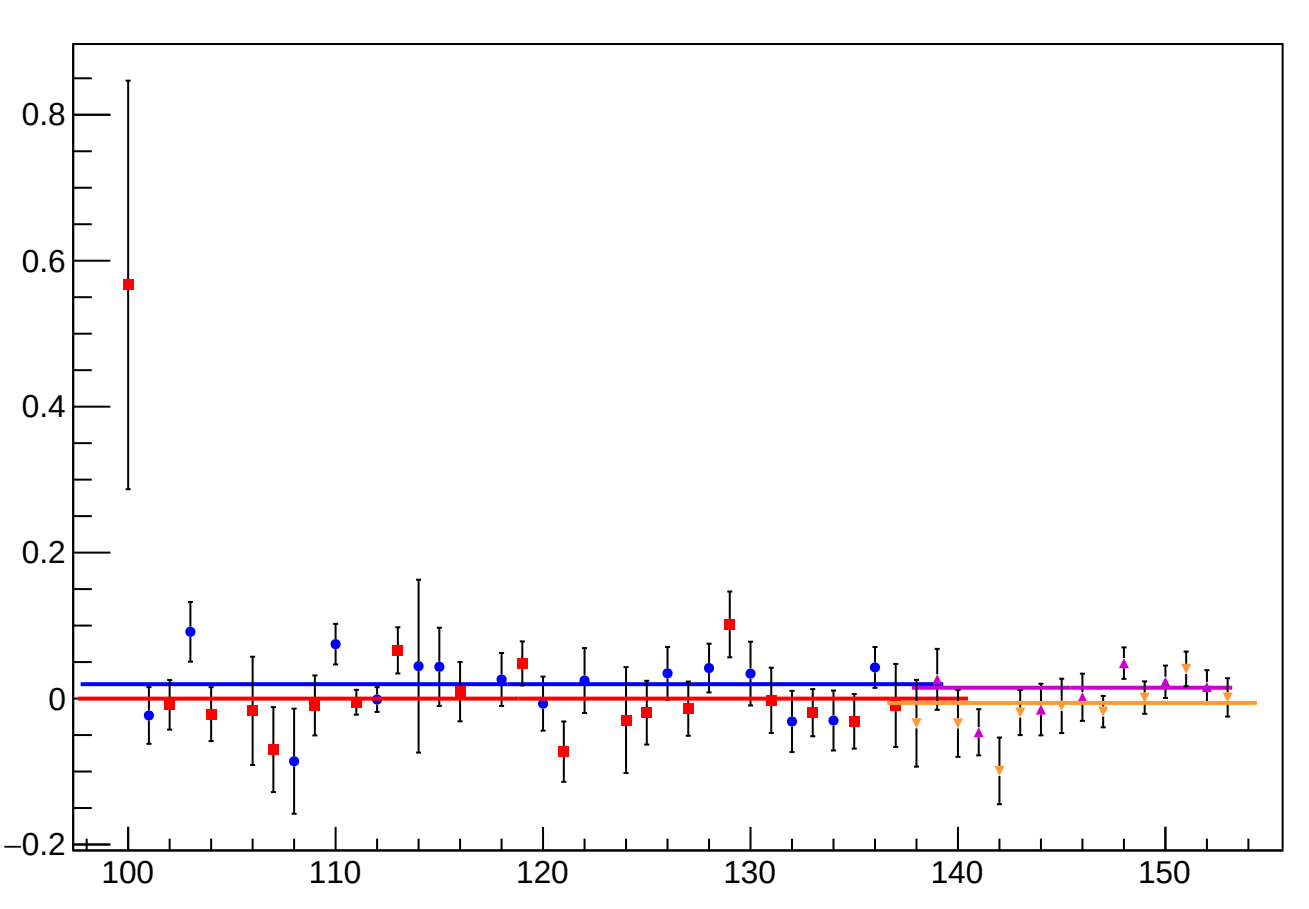
Left: 0.002+/-0.000 χ^2/NDF: 567459.6/15

Right: 0.002+/-0.000 χ^2/NDF: 2413966.0/34

In: 0.002+/-0.000 χ^2/NDF:1256168.8/22

Out: 0.002+/-0.000 χ^2/NDF:1857886.0/27

All: 0.002+/-0.000 χ^2/NDF: 3134503.8/50



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.010 χ^2/NDF:9.3/8

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.015+/-0.010 χ^2/NDF:7.3/6

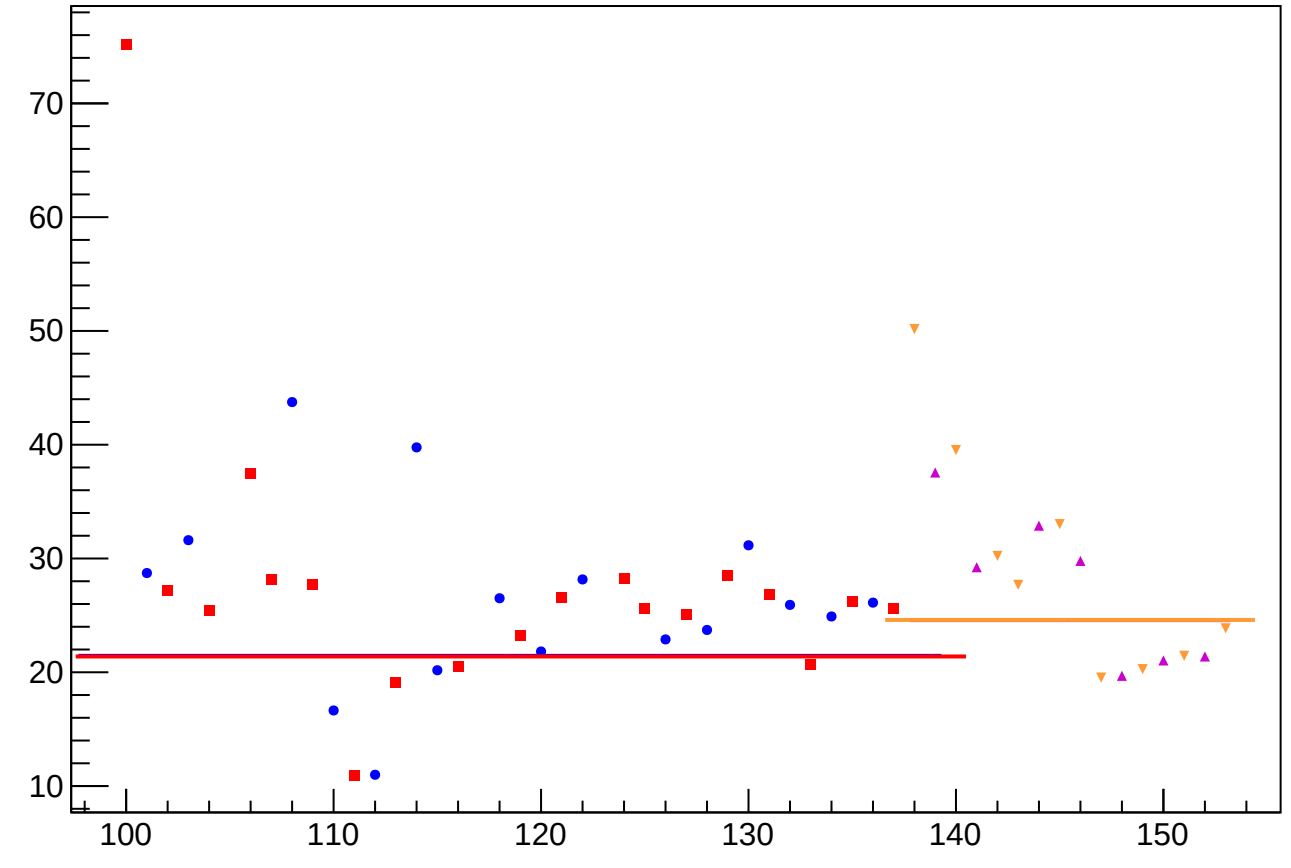
Left: 0.004+/-0.007 χ^2/NDF: 18.7/15

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.018+/-0.007 χ^2/NDF:24.4/22

Out: -0.003+/-0.006 χ^2/NDF:32.3/27

All: 0.007+/-0.005 χ^2/NDF: 61.6/50



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.601+/-0.007 χ^2/NDF:957626.2/8

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 24.585+/-0.007 χ^2/NDF:590437.9/6

Left: 24.593+/-0.005 χ^2/NDF: 1548066.6/15

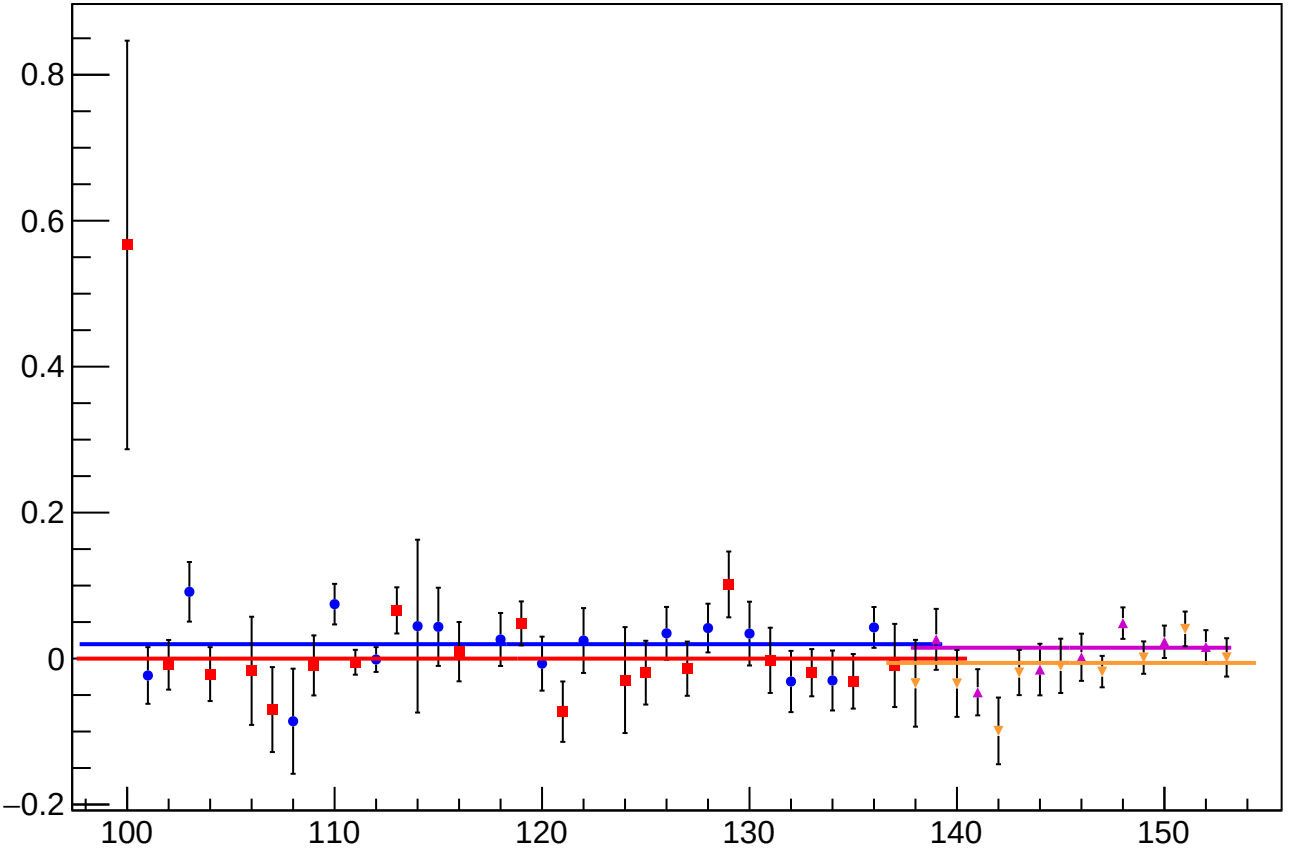
Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 22.745+/-0.005 χ^2/NDF:2239769.7/22

Out: 22.768+/-0.005 χ^2/NDF:2392155.2/27

All: 22.757+/-0.003 χ^2/NDF: 4631937.7/50

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.010 χ^2/NDF:9.3/8

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.015+/-0.010 χ^2/NDF:7.3/6

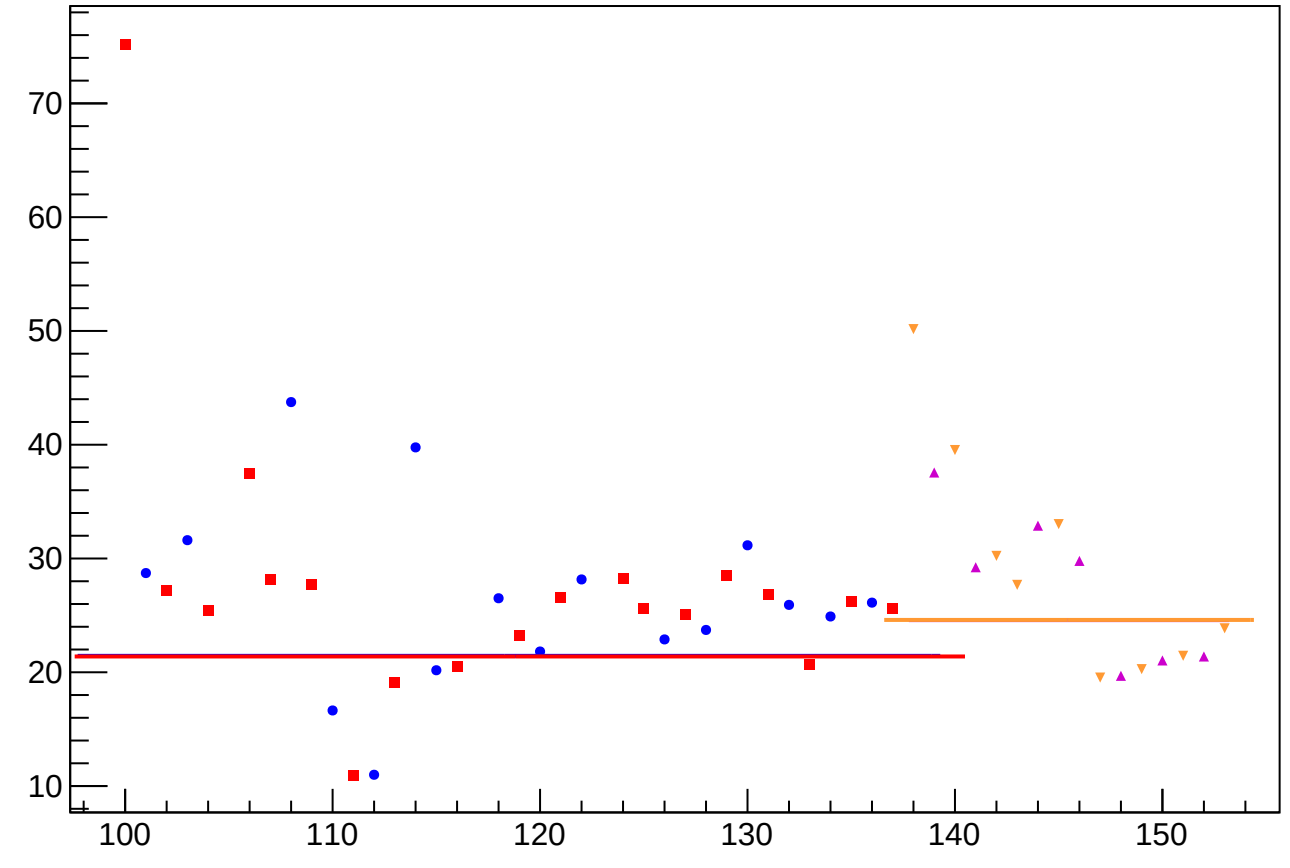
Left: 0.004+/-0.007 χ^2/NDF: 18.7/15

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.018+/-0.007 χ^2/NDF:24.4/22

Out: -0.003+/-0.006 χ^2/NDF:32.3/27

All: 0.007+/-0.005 χ^2/NDF: 61.6/50



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.601+/-0.007 χ^2/NDF:957626.2/8

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 24.585+/-0.007 χ^2/NDF:590437.9/6

Left: 24.593+/-0.005 χ^2/NDF: 1548066.6/15

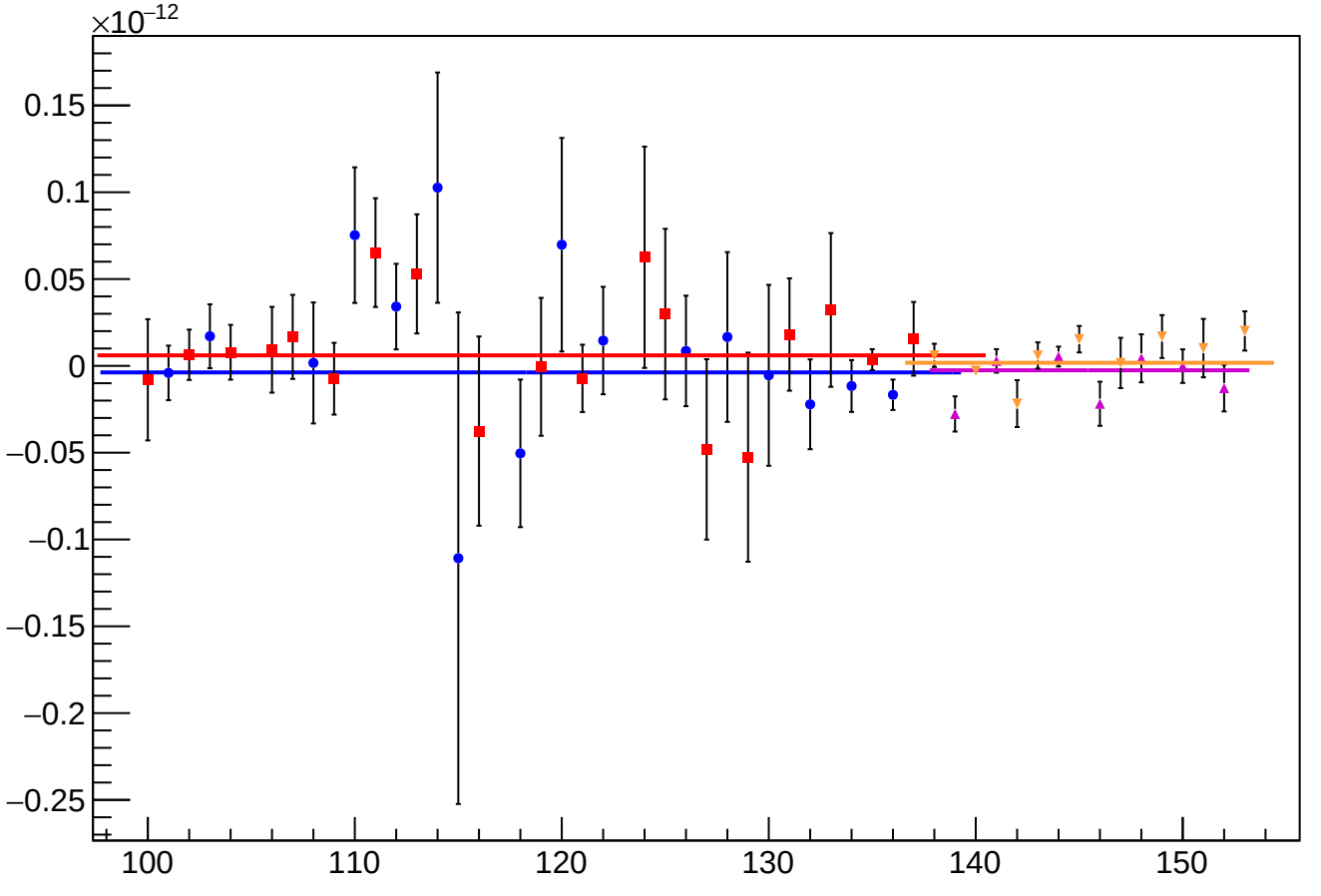
Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 22.745+/-0.005 χ^2/NDF:2239769.7/22

Out: 22.768+/-0.005 χ^2/NDF:2392155.2/27

All: 22.757+/-0.003 χ^2/NDF: 4631937.7/50

asym_sam8_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/8

Right Out: 0.000+/-0.000 χ^2/NDF: 11.3/18

Left In: -0.000+/-0.000 χ^2/NDF:11.9/6

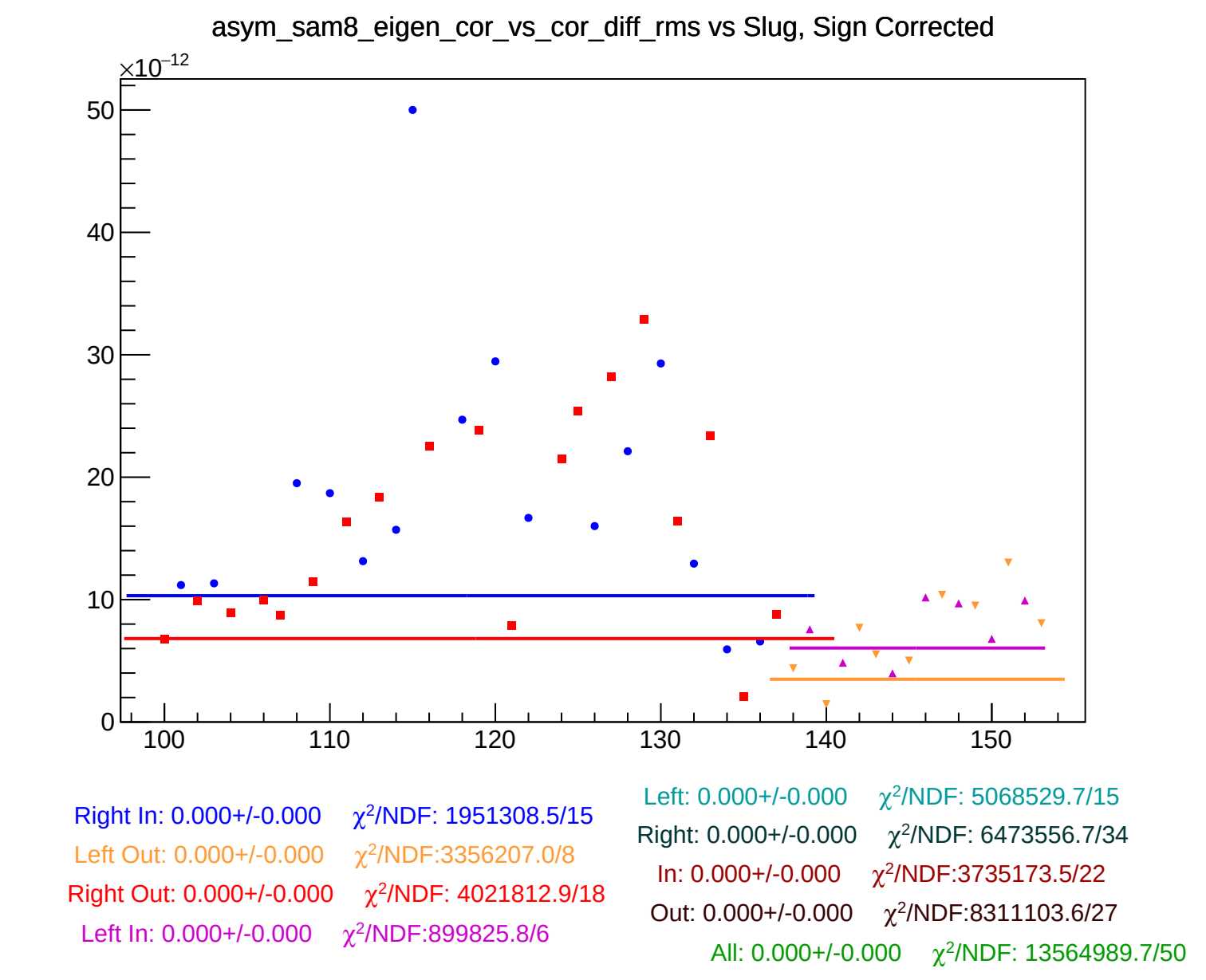
Left: 0.000+/-0.000 χ^2/NDF: 26.9/15

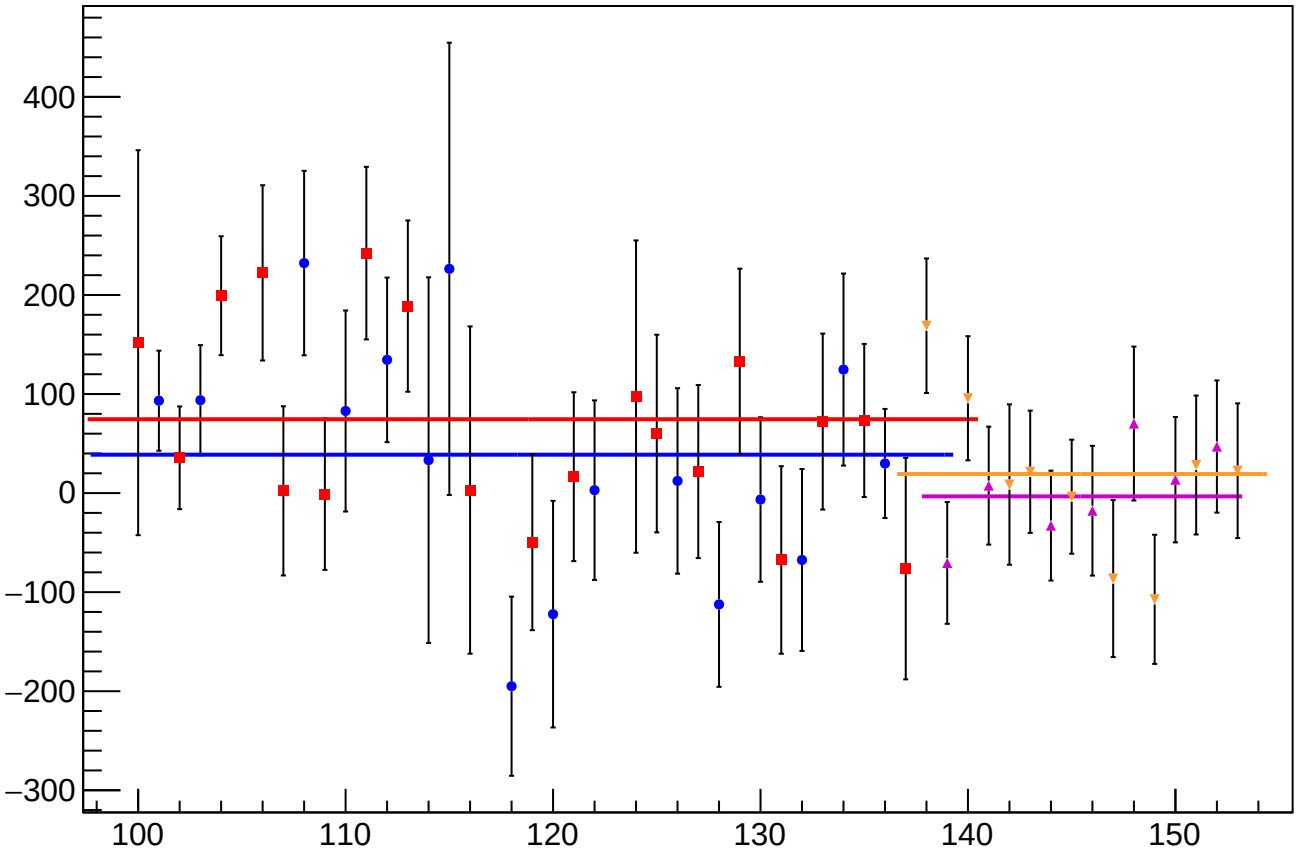
Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:29.1/22

Out: 0.000+/-0.000 χ^2/NDF:25.9/27

All: 0.000+/-0.000 χ^2/NDF: 57.6/50


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
Right In: 0.000+/-0.000 χ²/NDF: 1951308.5/15
Left Out: 0.000+/-0.000 χ²/NDF:3356207.0/8
Right Out: 0.000+/-0.000 χ²/NDF: 4021812.9/18
Left In: 0.000+/-0.000 χ²/NDF:899825.8/6
Left: 0.000+/-0.000 χ²/NDF: 5068529.7/15
Right: 0.000+/-0.000 χ²/NDF: 6473556.7/34
In: 0.000+/-0.000 χ²/NDF:3735173.5/22
Out: 0.000+/-0.000 χ²/NDF:8311103.6/27
All: 0.000+/-0.000 χ²/NDF: 13564989.7/50



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 19.253+/-22.347 χ^2/NDF:12.1/8

Right Out: 74.578+/-19.802 χ^2/NDF: 22.5/18

Left In: -3.311+/-23.941 χ^2/NDF:3.1/6

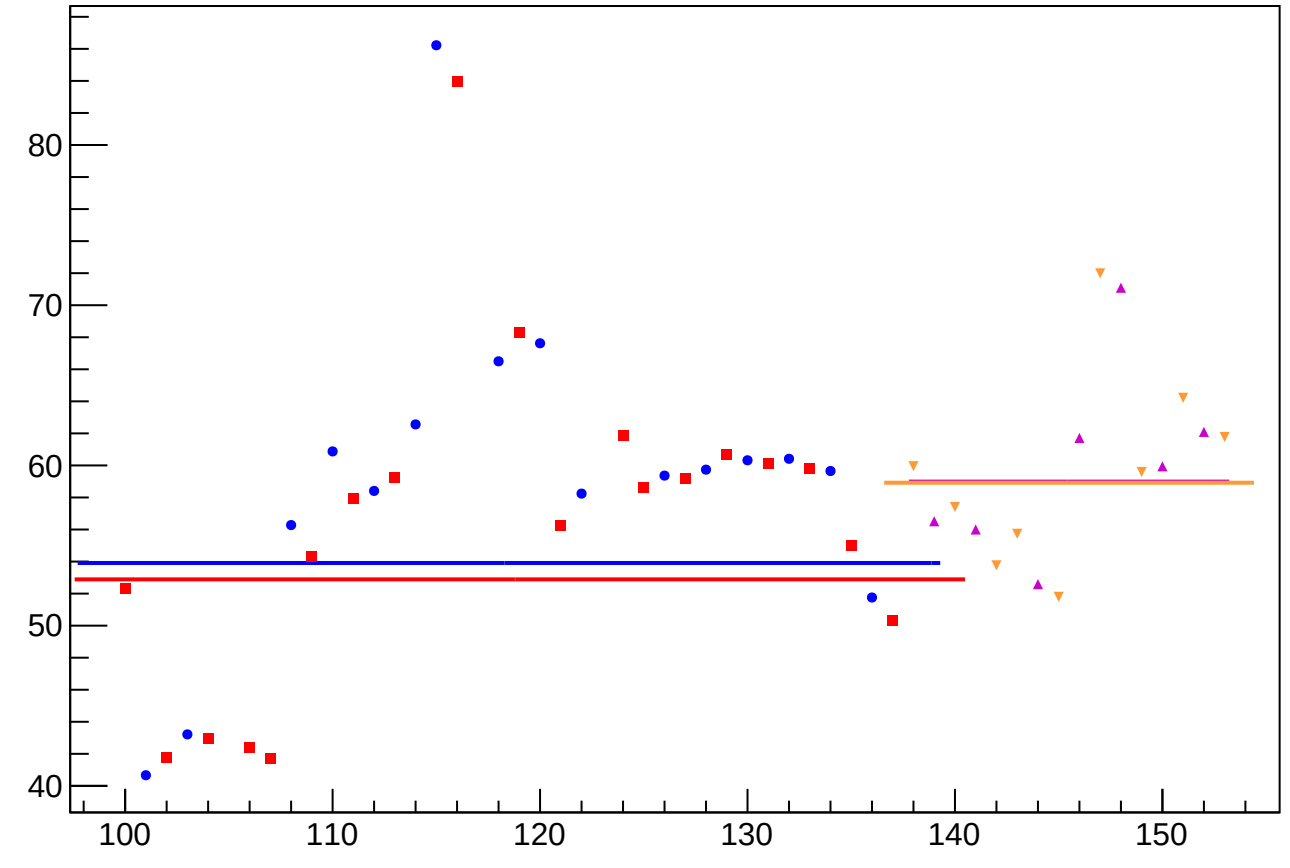
Left: 8.747+/-16.336 χ^2/NDF: 15.7/15

Right: 57.224+/-14.213 χ^2/NDF: 47.3/34

In: 21.062+/-15.533 χ^2/NDF:28.2/22

Out: 50.245+/-14.821 χ^2/NDF:38.0/27

All: 36.338+/-10.723 χ^2/NDF: 68.0/50



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 58.921+/-0.016 χ^2/NDF:115260.7/8

Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

Left In: 58.991+/-0.017 χ^2/NDF:91645.4/6

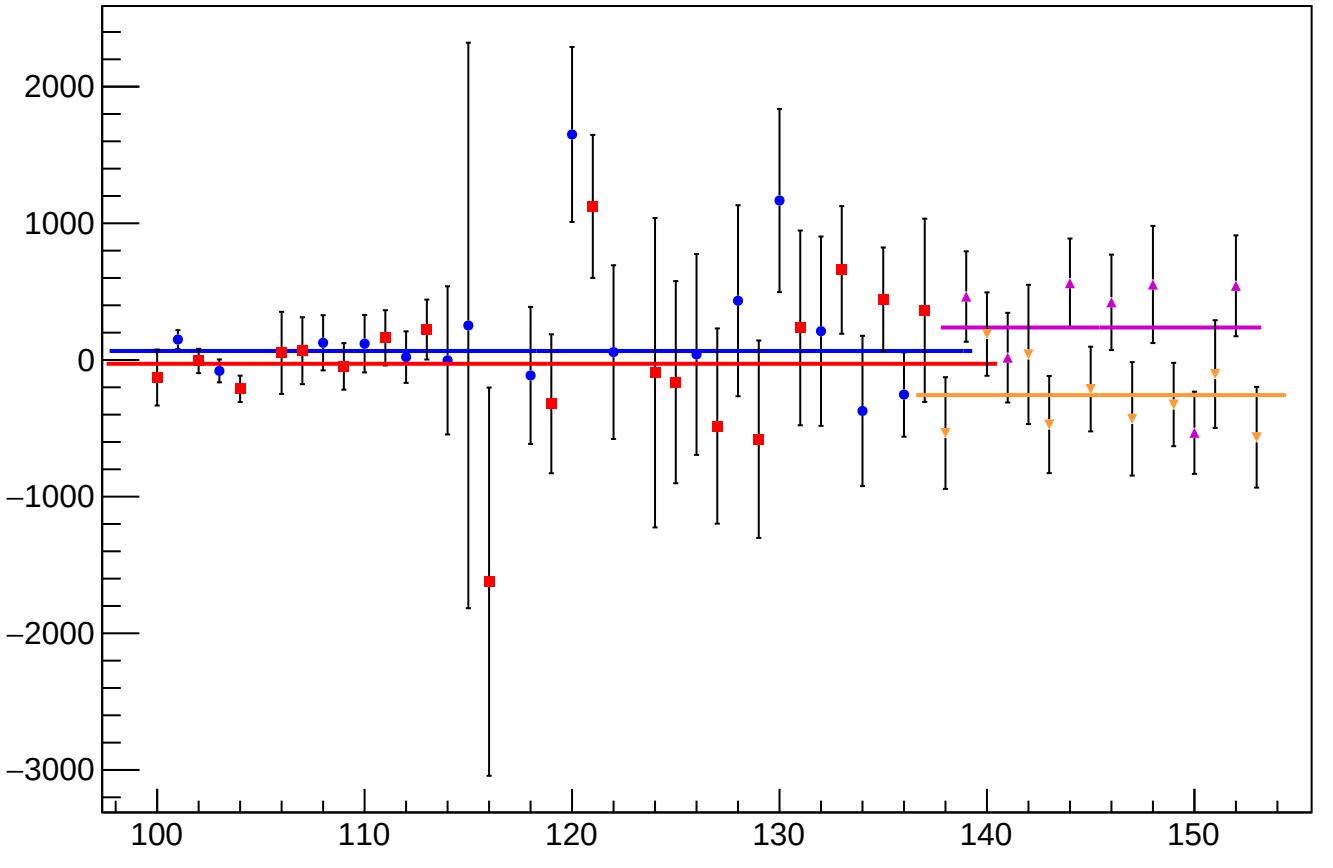
Left: 58.953+/-0.012 χ^2/NDF: 206915.1/15

Right: 53.385+/-0.010 χ^2/NDF: 821077.5/34

In: 56.050+/-0.011 χ^2/NDF:537014.3/22

Out: 55.542+/-0.010 χ^2/NDF:622116.0/27

All: 55.784+/-0.008 χ^2/NDF: 1160250.2/50



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -256.837+/-120.138 χ^2/NDF:4.4/8

Right Out: -27.850+/-50.291 χ^2/NDF: 18.0/18

Left In: 237.601+/-129.250 χ^2/NDF:10.0/6

Left: -27.659+/-87.995 χ^2/NDF: 22.2/15

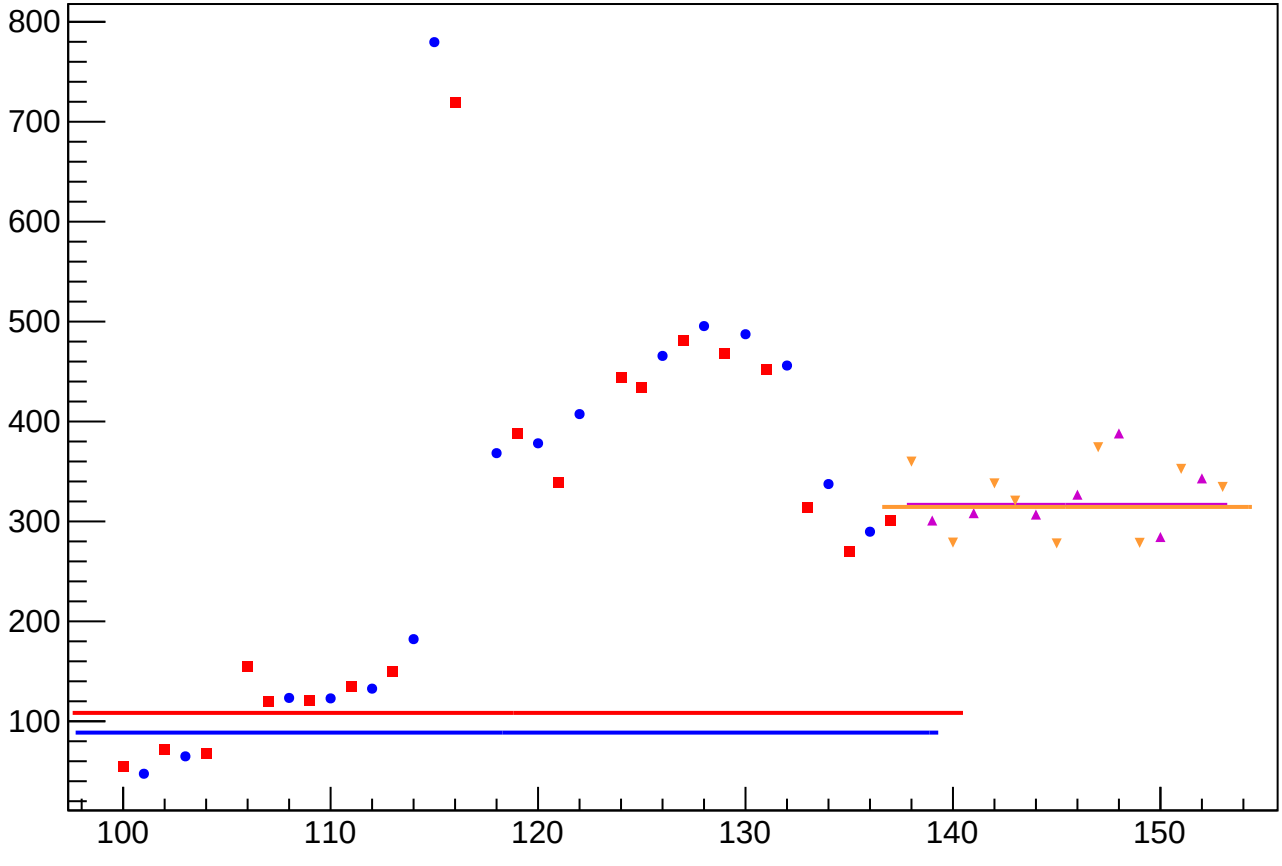
Right: 22.688+/-34.134 χ^2/NDF: 35.6/34

In: 85.519+/-43.737 χ^2/NDF:27.2/22

Out: -61.994+/-46.391 χ^2/NDF:25.5/27

All: 16.103+/-31.823 χ^2/NDF: 58.1/50

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: 314.514+/-0.085 χ^2/NDF:178504.3/8

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

Left In: 316.595+/-0.091 χ^2/NDF:98102.3/6

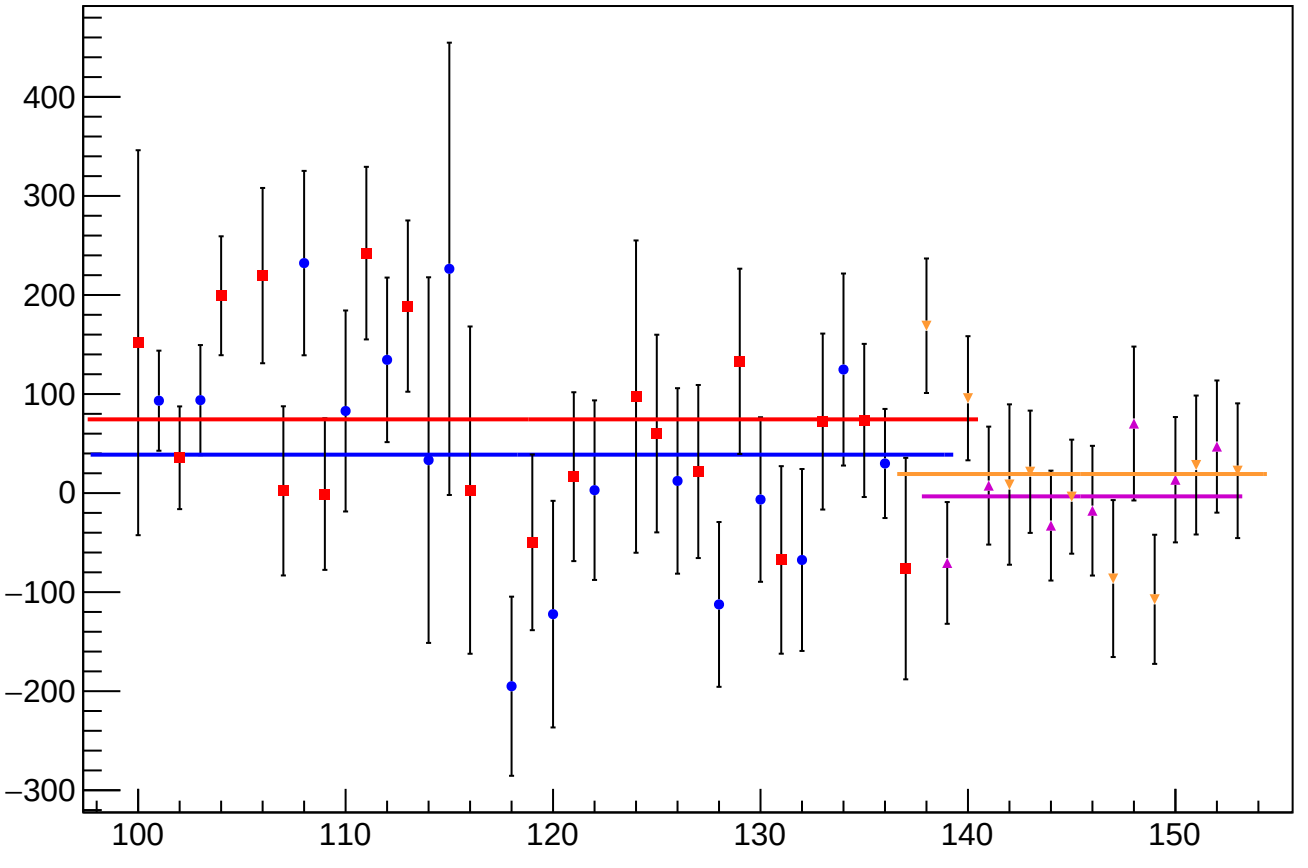
Left: 315.479+/-0.062 χ^2/NDF: 276884.8/15

Right: 97.745+/-0.024 χ^2/NDF: 12176874.0/34

In: 114.758+/-0.031 χ^2/NDF:12254061.3/22

Out: 139.121+/-0.033 χ^2/NDF:10551163.1/27

All: 126.222+/-0.023 χ^2/NDF: 23097248.5/50



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 19.256+/-22.347 χ^2/NDF:12.1/8

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: -3.312+/-23.941 χ^2/NDF:3.1/6

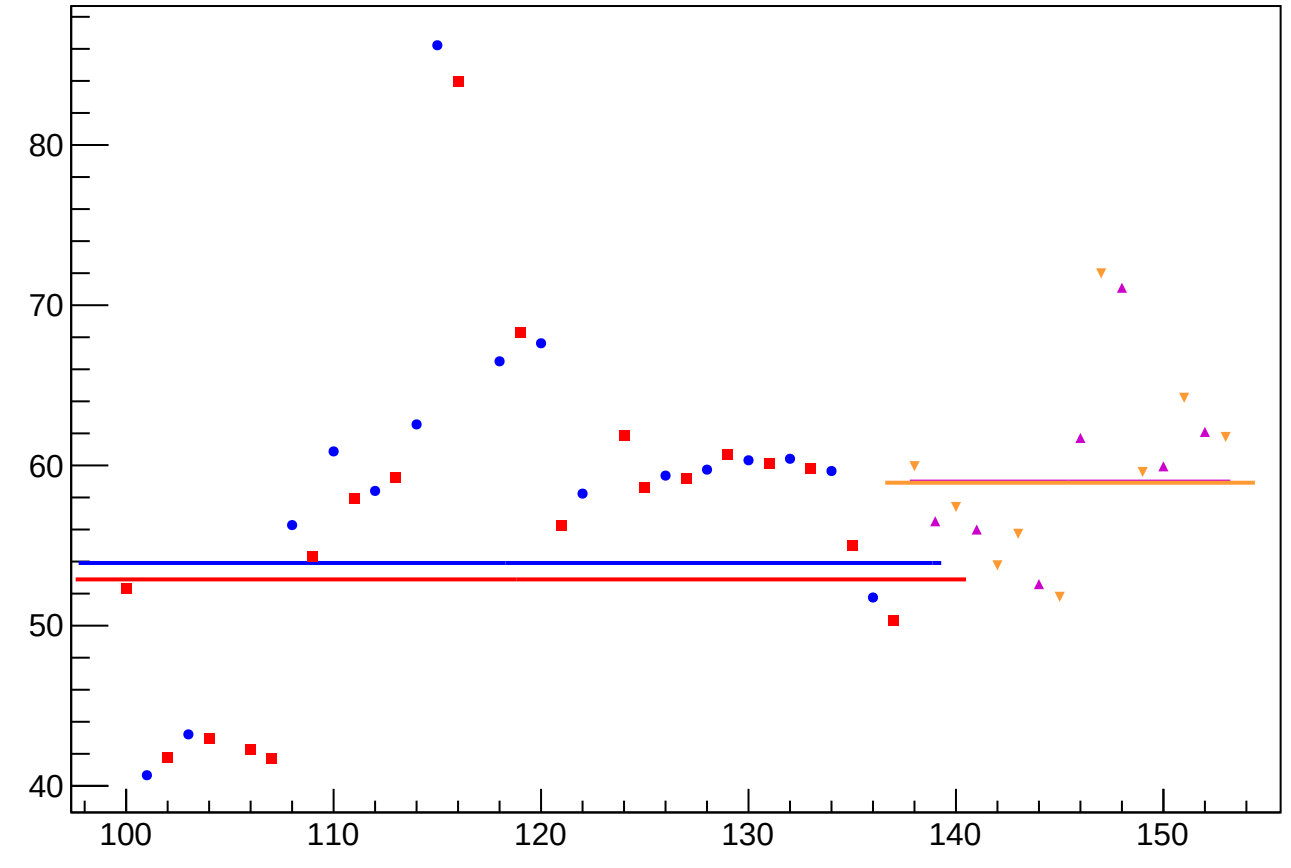
Left: 8.748+/-16.336 χ^2/NDF: 15.7/15

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 21.069+/-15.533 χ^2/NDF:28.2/22

Out: 50.168+/-14.821 χ^2/NDF:37.8/27

All: 36.301+/-10.723 χ^2/NDF: 67.9/50



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 58.921+/-0.016 χ^2/NDF:115260.7/8

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 58.991+/-0.017 χ^2/NDF:91645.4/6

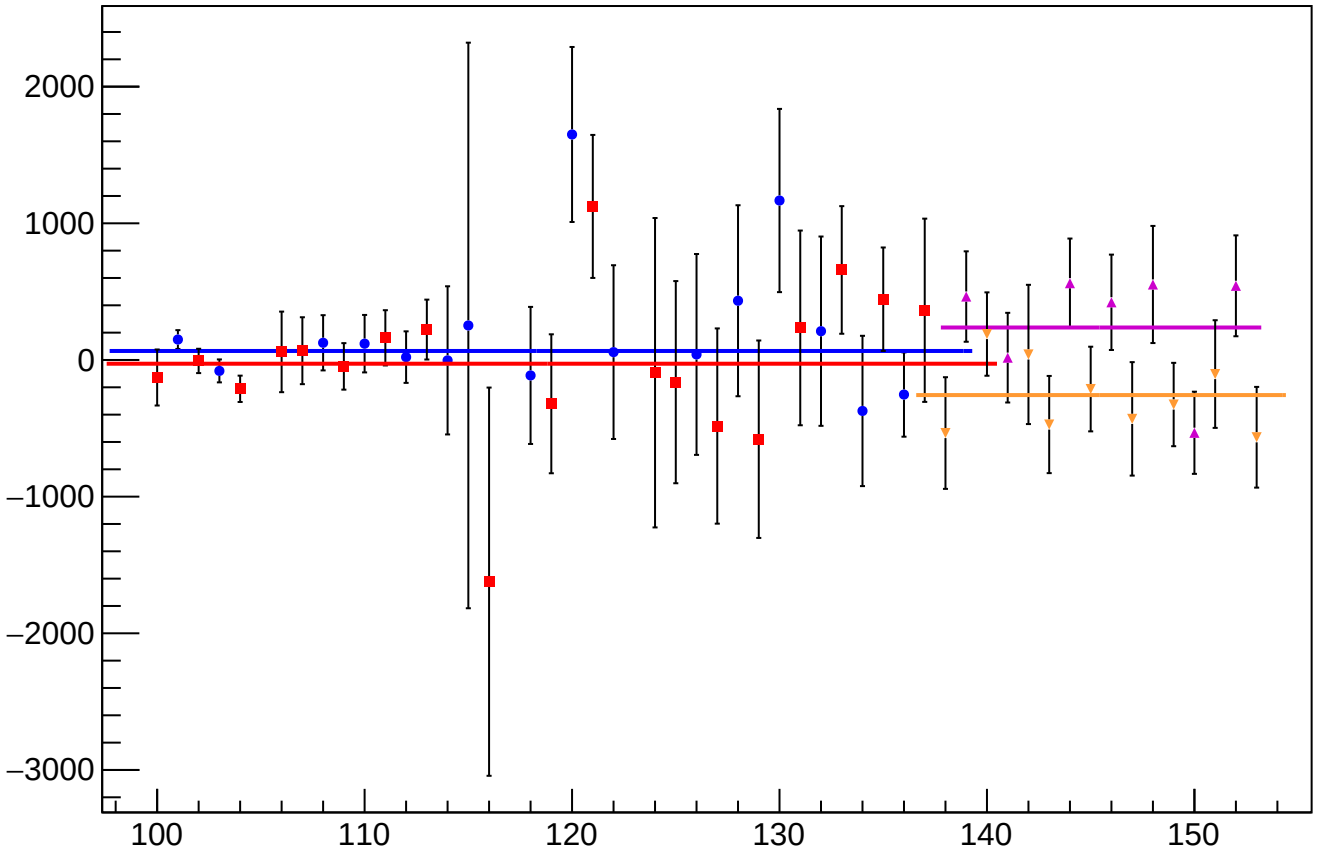
Left: 58.953+/-0.012 χ^2/NDF: 206915.1/15

Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 56.050+/-0.011 χ^2/NDF:537013.6/22

Out: 55.541+/-0.010 χ^2/NDF:622479.2/27

All: 55.784+/-0.008 χ^2/NDF: 1160617.2/50



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -256.836+/-120.138 χ^2/NDF:4.4/8

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 237.599+/-129.250 χ^2/NDF:10.0/6

Left: -27.660+/-87.995 χ^2/NDF: 22.2/15

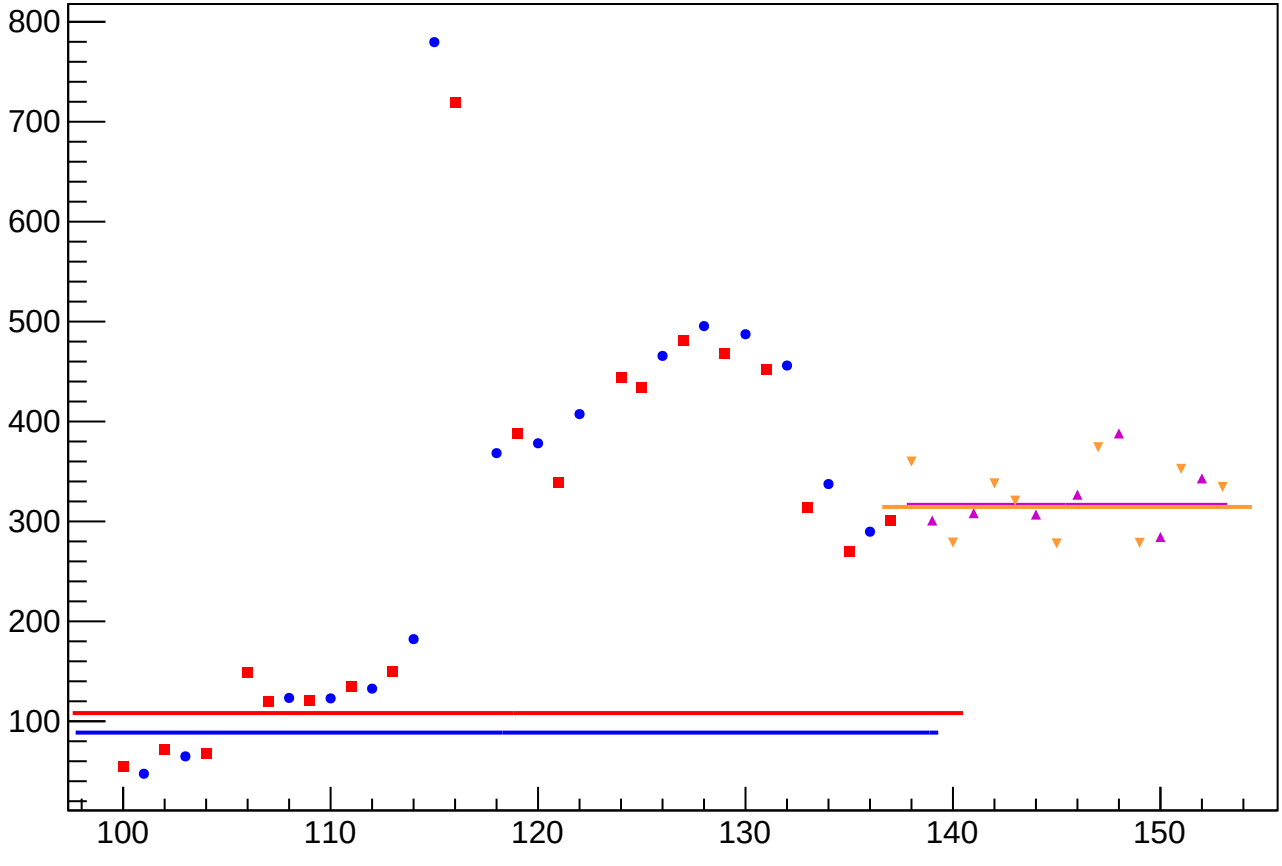
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 85.522+/-43.736 χ^2/NDF:27.2/22

Out: -61.566+/-46.357 χ^2/NDF:25.5/27

All: 16.254+/-31.812 χ^2/NDF: 58.1/50

asym_sam_15_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 314.514+/-0.085 χ^2/NDF:178504.0/8

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 316.595+/-0.091 χ^2/NDF:98103.7/6

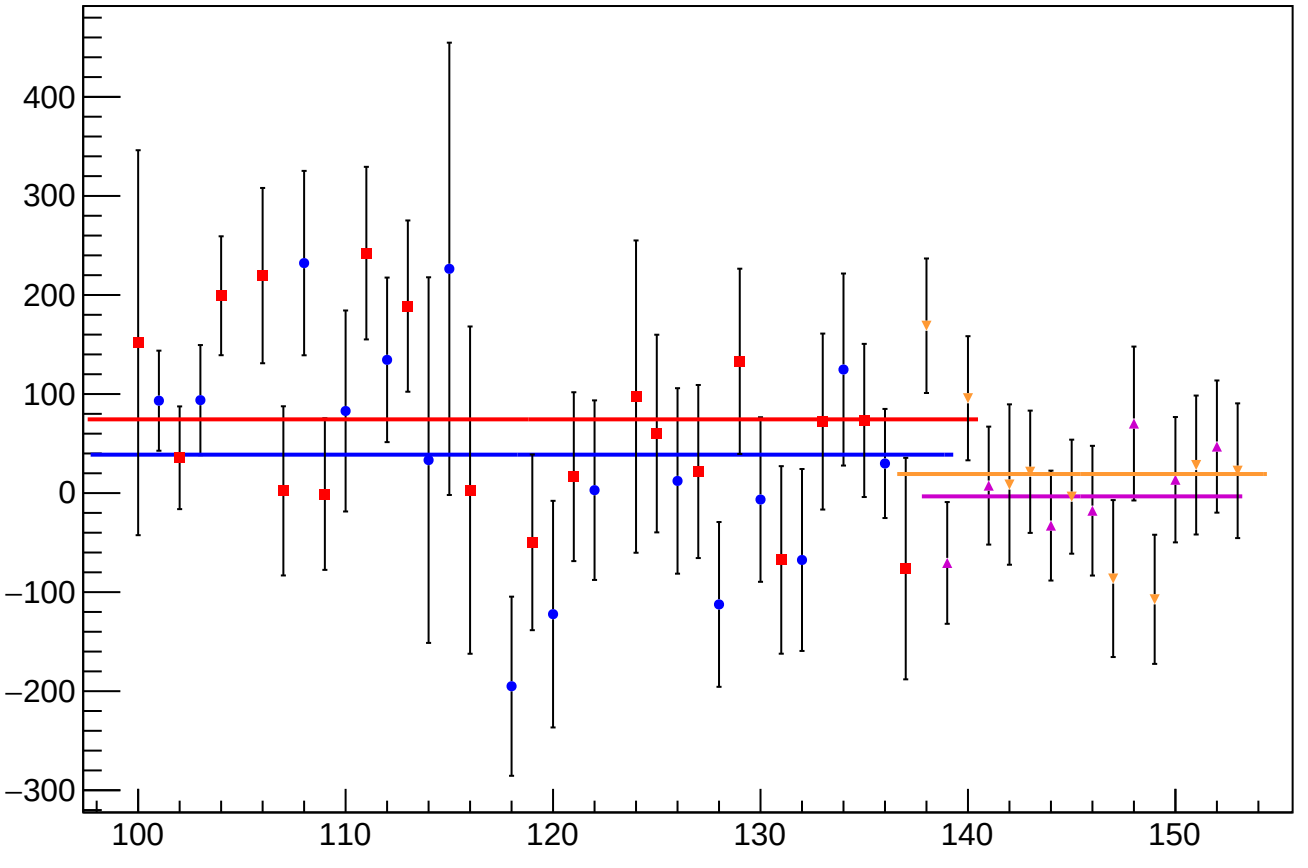
Left: 315.479+/-0.062 χ^2/NDF: 276885.7/15

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 114.755+/-0.031 χ^2/NDF:12254286.9/22

Out: 138.924+/-0.033 χ^2/NDF:10553142.8/27

All: 126.137+/-0.022 χ^2/NDF: 23095066.1/50



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 19.256+/-22.347 χ^2/NDF:12.1/8

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: -3.312+/-23.941 χ^2/NDF:3.1/6

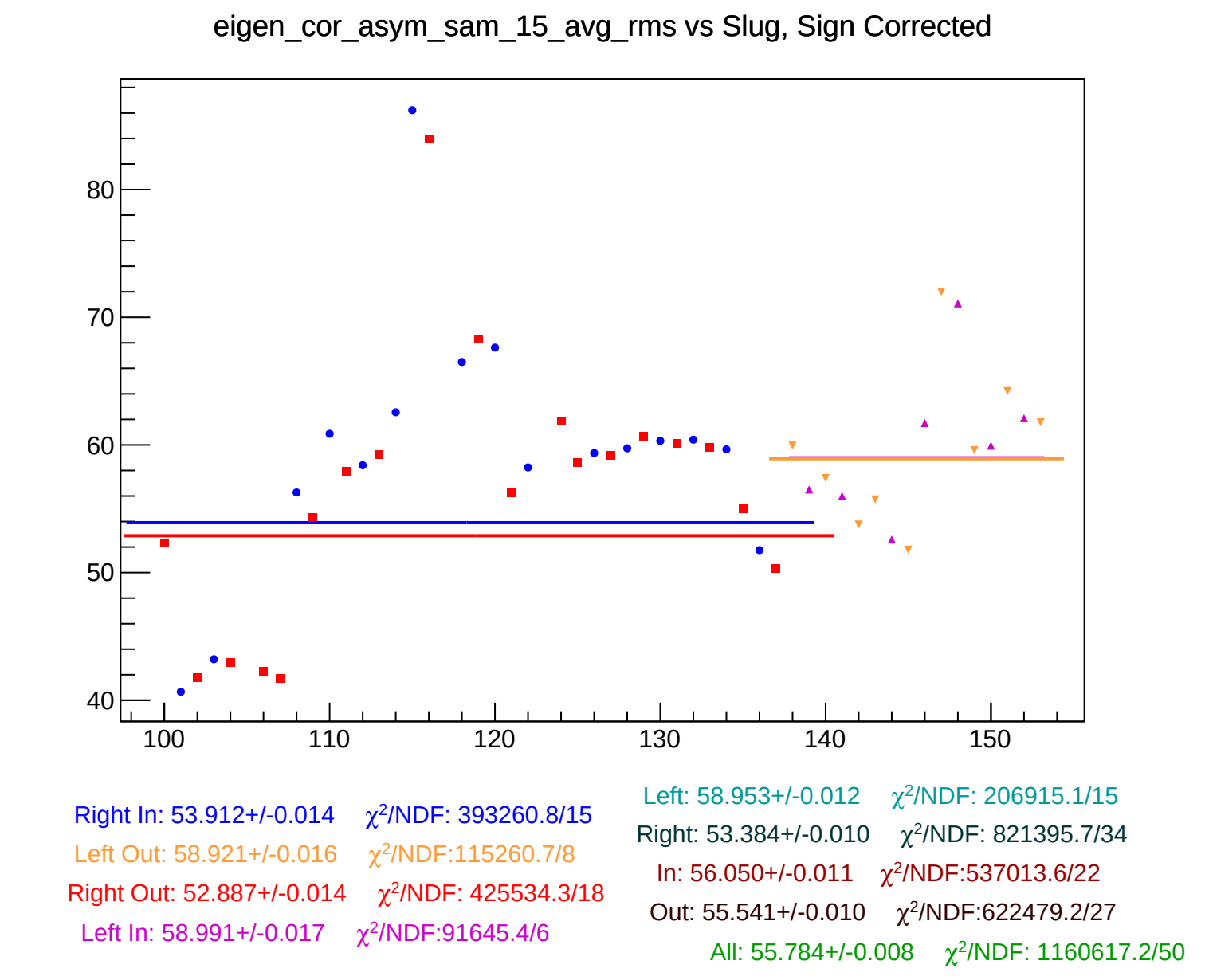
Left: 8.748+/-16.336 χ^2/NDF: 15.7/15

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

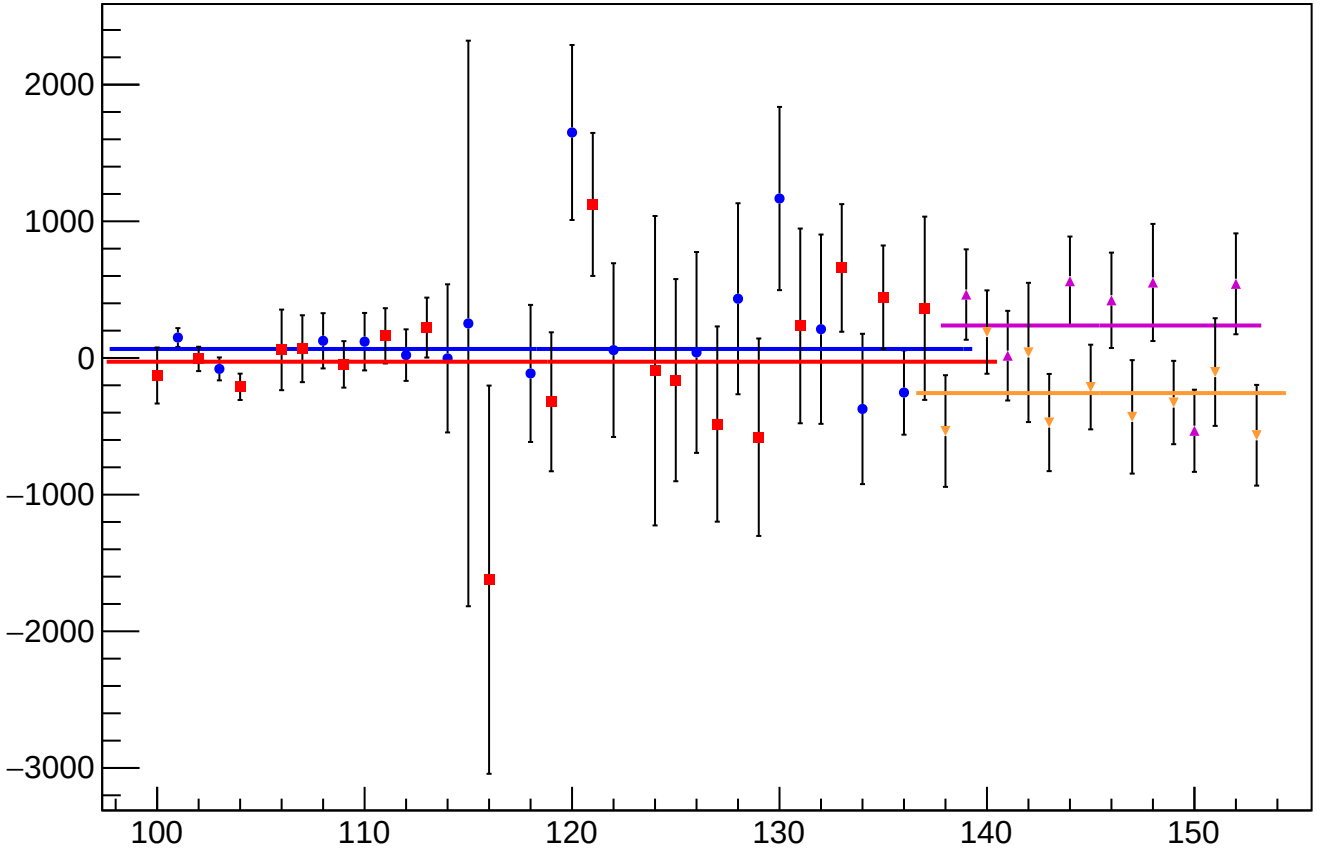
In: 21.069+/-15.533 χ^2/NDF:28.2/22

Out: 50.168+/-14.821 χ^2/NDF:37.8/27

All: 36.301+/-10.723 χ^2/NDF: 67.9/50


eigen_cor_asym_sam_15_avg_rms vs Slug, Sign Corrected
80
70
60
50
40
100
110
120
130
140
150
Right In: 53.912+/-0.014 χ²/NDF: 393260.8/15
Left Out: 58.921+/-0.016 χ²/NDF:115260.7/8
Right Out: 52.887+/-0.014 χ²/NDF: 425534.3/18
Left In: 58.991+/-0.017 χ²/NDF:91645.4/6
Left: 58.953+/-0.012 χ²/NDF: 206915.1/15
Right: 53.384+/-0.010 χ²/NDF: 821395.7/34
In: 56.050+/-0.011 χ²/NDF:537013.6/22
Out: 55.541+/-0.010 χ²/NDF:622479.2/27
All: 55.784+/-0.008 χ²/NDF: 1160617.2/50

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: -256.836+/-120.138 χ^2/NDF:4.4/8

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 237.599+/-129.250 χ^2/NDF:10.0/6

Left: -27.660+/-87.995 χ^2/NDF: 22.2/15

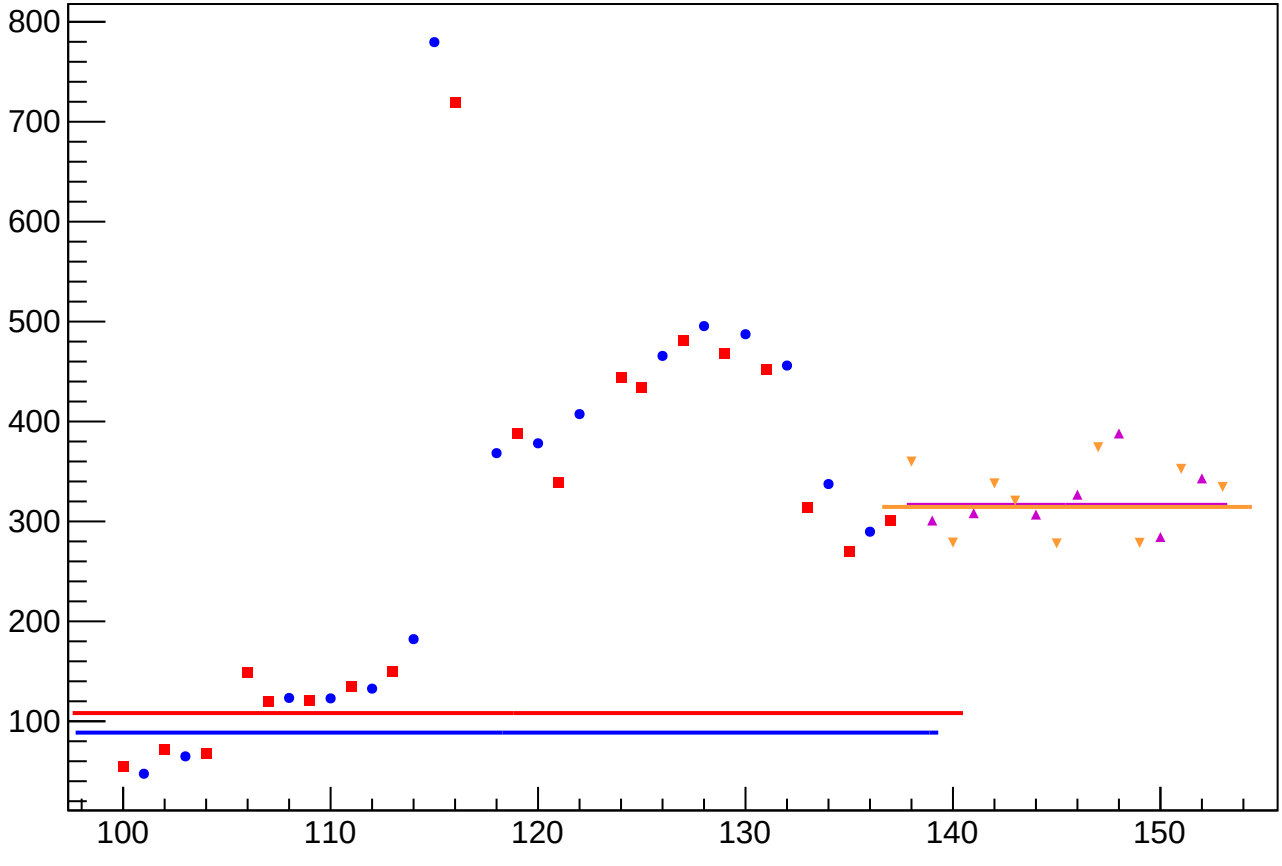
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 85.522+/-43.736 χ^2/NDF:27.2/22

Out: -61.566+/-46.357 χ^2/NDF:25.5/27

All: 16.254+/-31.812 χ^2/NDF: 58.1/50

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: 314.514+/-0.085 χ^2/NDF:178504.0/8

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 316.595+/-0.091 χ^2/NDF:98103.7/6

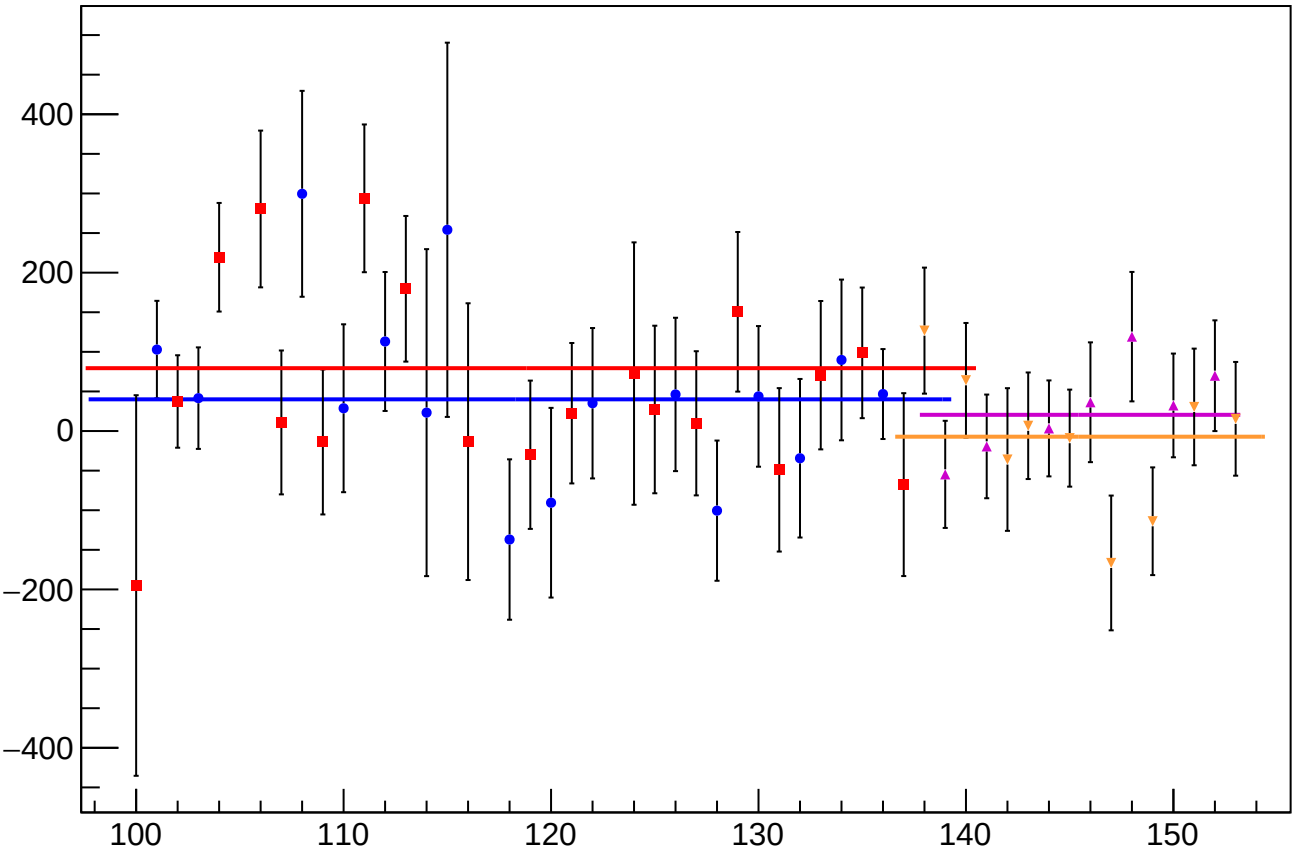
Left: 315.479+/-0.062 χ^2/NDF: 276885.7/15

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 114.755+/-0.031 χ^2/NDF:12254286.9/22

Out: 138.924+/-0.033 χ^2/NDF:10553142.8/27

All: 126.137+/-0.022 χ^2/NDF: 23095066.1/50



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: -7.141+/-24.310 χ^2/NDF:10.3/8

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 20.480+/-25.937 χ^2/NDF:3.7/6

Left: 5.776+/-17.737 χ^2/NDF: 14.6/15

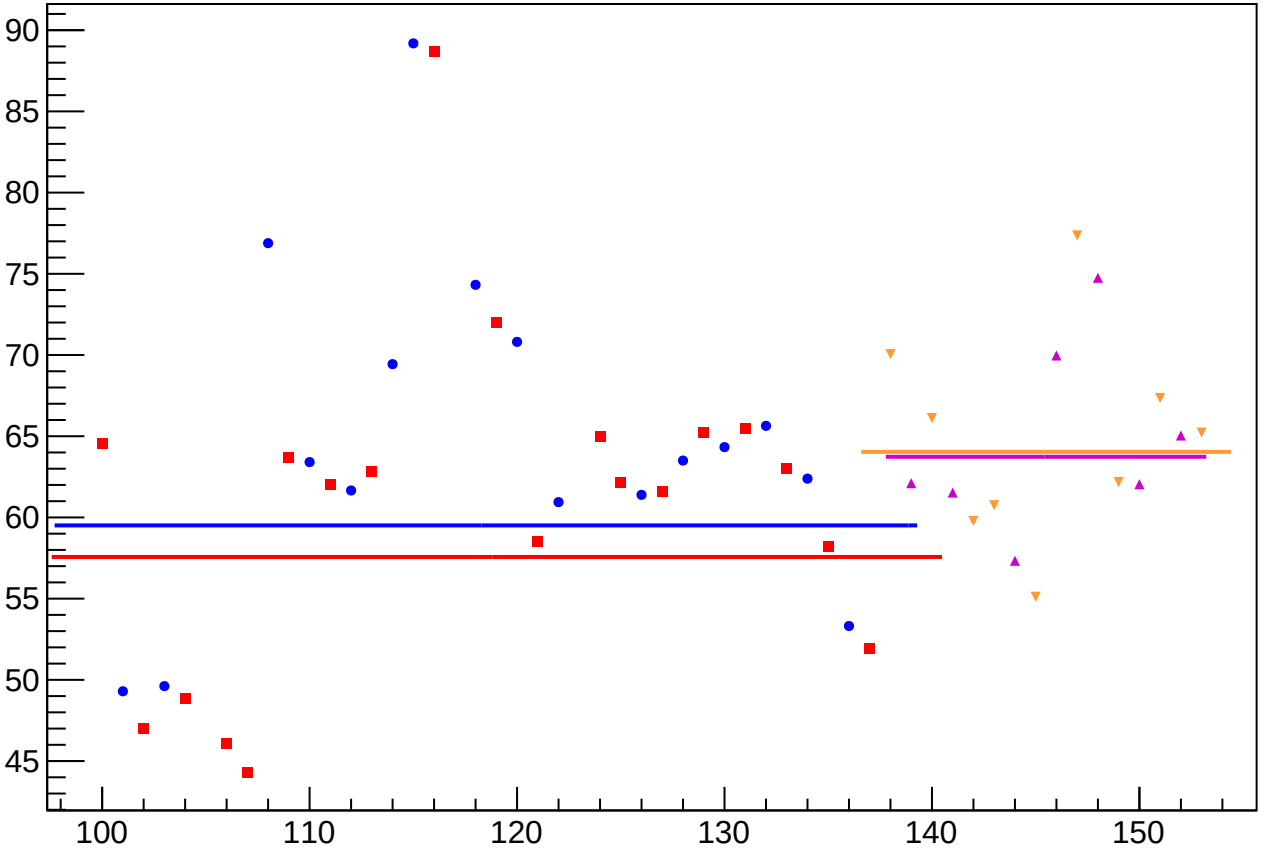
Right: 60.541+/-15.578 χ^2/NDF: 40.5/34

In: 31.629+/-17.002 χ^2/NDF:18.2/22

Out: 41.253+/-16.137 χ^2/NDF:42.2/27

All: 36.692+/-11.705 χ^2/NDF: 60.5/50

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 64.039+/-0.017 χ^2/NDF:119877.6/8

Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 63.736+/-0.018 χ^2/NDF:77755.3/6

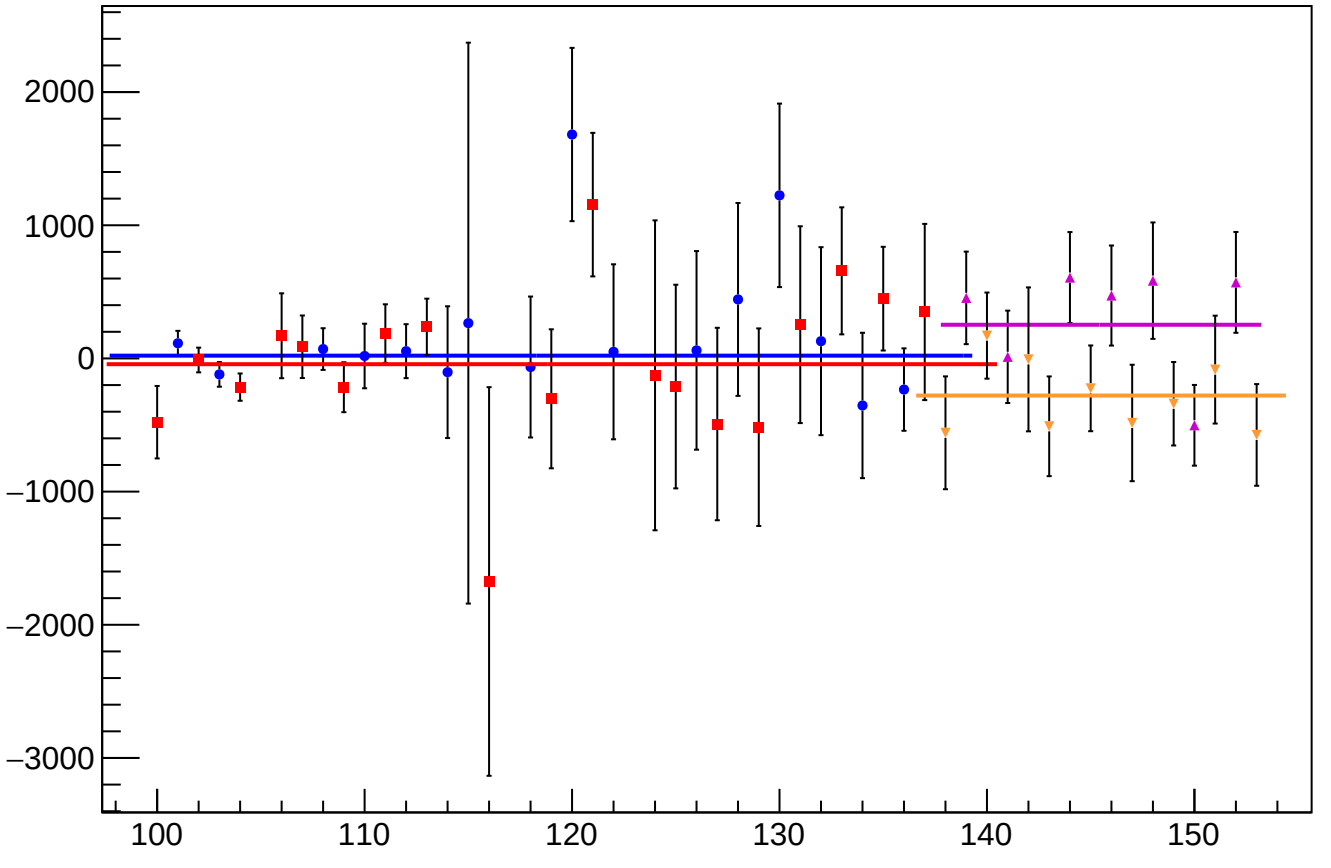
Left: 63.897+/-0.013 χ^2/NDF: 197778.0/15

Right: 58.497+/-0.011 χ^2/NDF: 638326.1/34

In: 61.325+/-0.012 χ^2/NDF:391241.7/22

Out: 60.419+/-0.011 χ^2/NDF:546540.3/27

All: 60.848+/-0.008 χ^2/NDF: 940773.1/50



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -278.573+/-125.267 χ^2/NDF:4.1/8

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 252.778+/-134.425 χ^2/NDF:9.7/6

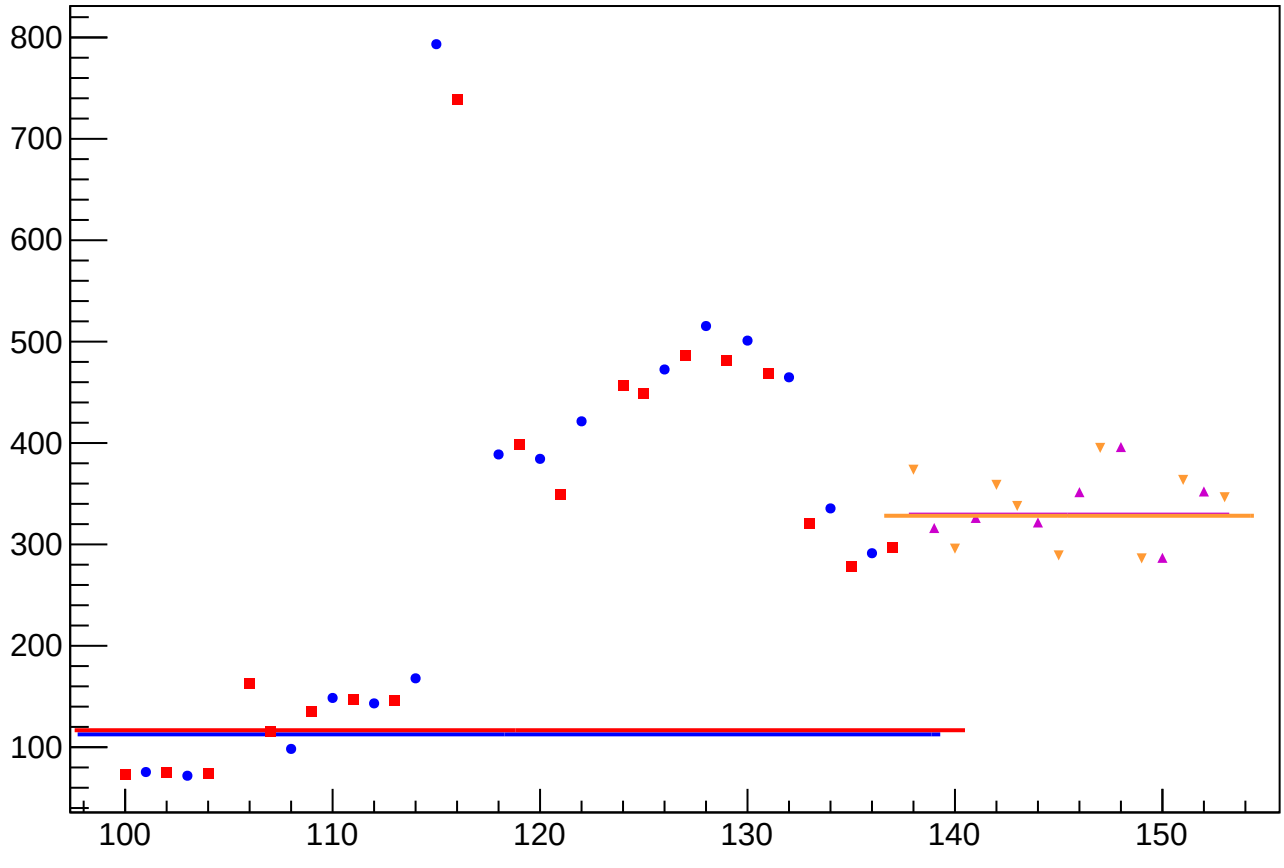
Left: -31.614+/-91.644 χ^2/NDF: 22.2/15

Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 52.642+/-49.776 χ^2/NDF:26.9/22

Out: -79.230+/-48.975 χ^2/NDF:28.6/27

All: -14.364+/-34.910 χ^2/NDF: 59.1/50



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 328.268+/-0.089 χ^2/NDF:183009.6/8

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

Left In: 329.373+/-0.095 χ^2/NDF:104348.7/6

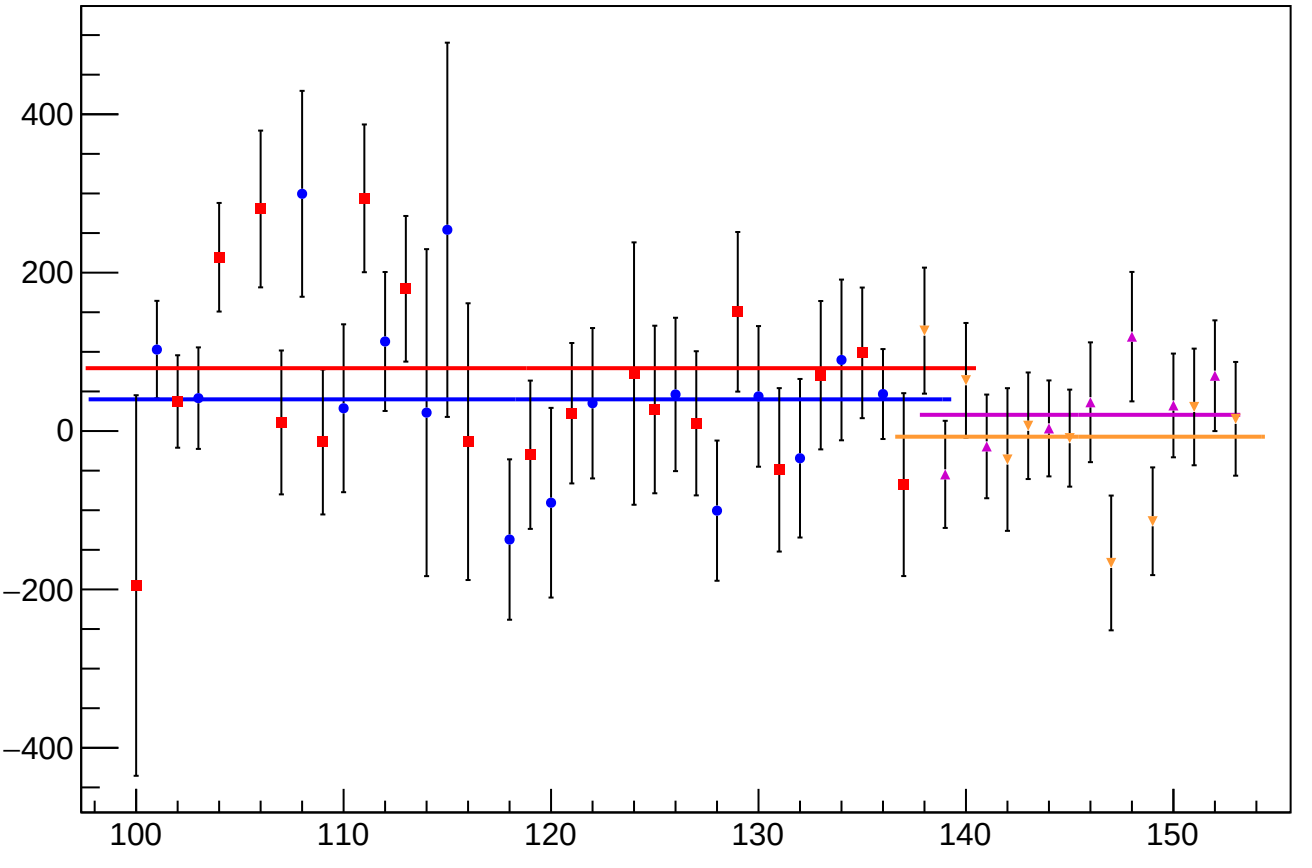
Left: 328.782+/-0.065 χ^2/NDF: 287430.7/15

Right: 114.715+/-0.027 χ^2/NDF: 10746836.7/34

In: 142.381+/-0.035 χ^2/NDF:10188982.7/22

Out: 149.067+/-0.035 χ^2/NDF:10155888.5/27

All: 145.778+/-0.025 χ^2/NDF: 20363202.4/50



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: -7.141+/-24.310 χ^2/NDF:10.3/8

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 20.481+/-25.937 χ^2/NDF:3.7/6

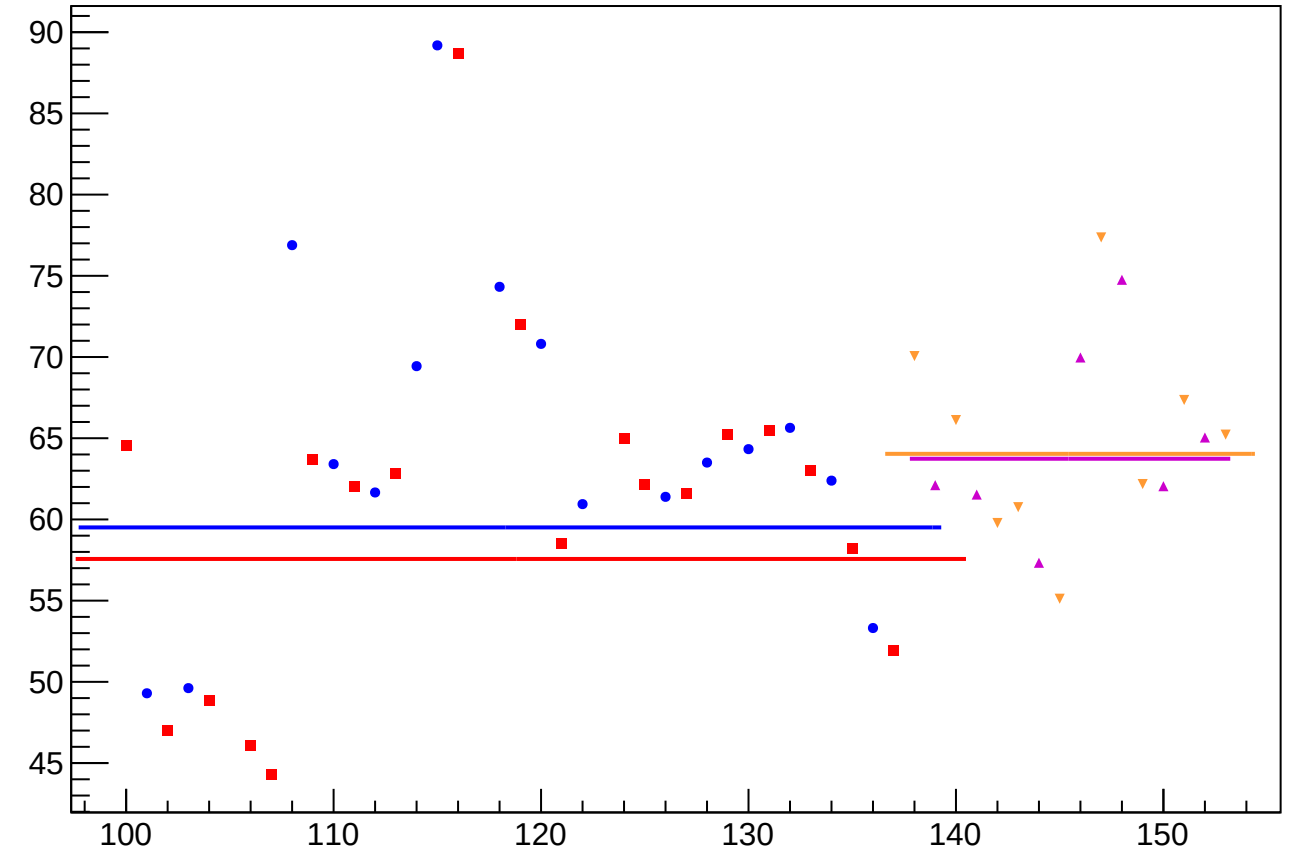
Left: 5.777+/-17.737 χ^2/NDF: 14.6/15

Right: 60.540+/-15.578 χ^2/NDF: 40.5/34

In: 31.629+/-17.002 χ^2/NDF:18.2/22

Out: 41.253+/-16.137 χ^2/NDF:42.2/27

All: 36.692+/-11.705 χ^2/NDF: 60.5/50



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 64.039+/-0.017 χ^2/NDF:119881.1/8

Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 63.736+/-0.018 χ^2/NDF:77755.4/6

Left: 63.897+/-0.013 χ^2/NDF: 197781.6/15

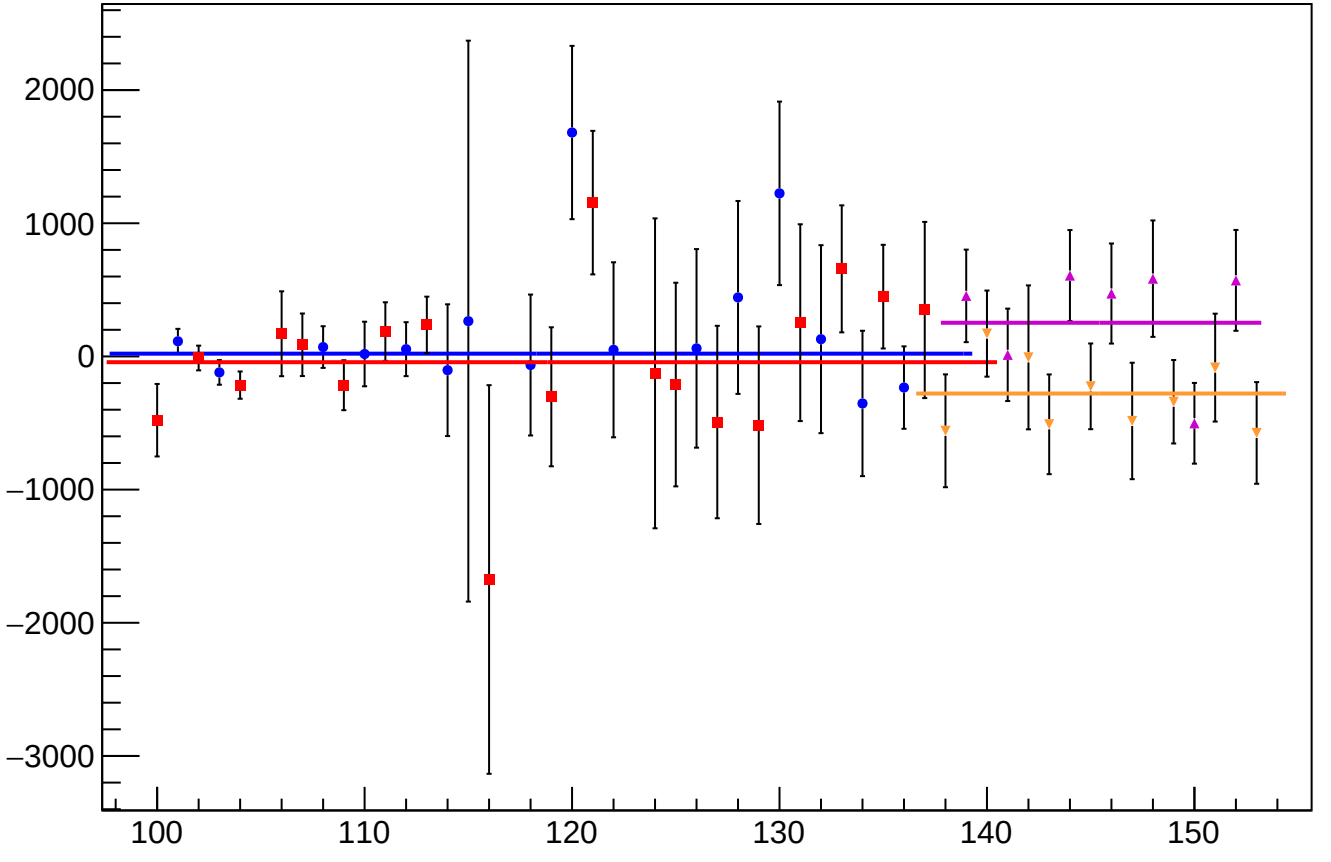
Right: 58.496+/-0.011 χ^2/NDF: 638320.1/34

In: 61.325+/-0.012 χ^2/NDF:391244.0/22

Out: 60.419+/-0.011 χ^2/NDF:546546.3/27

All: 60.848+/-0.008 χ^2/NDF: 940781.5/50

asym_sam_15_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -278.573+/-125.267 χ^2/NDF:4.1/8

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 252.779+/-134.426 χ^2/NDF:9.7/6

Left: -31.613+/-91.644 χ^2/NDF: 22.2/15

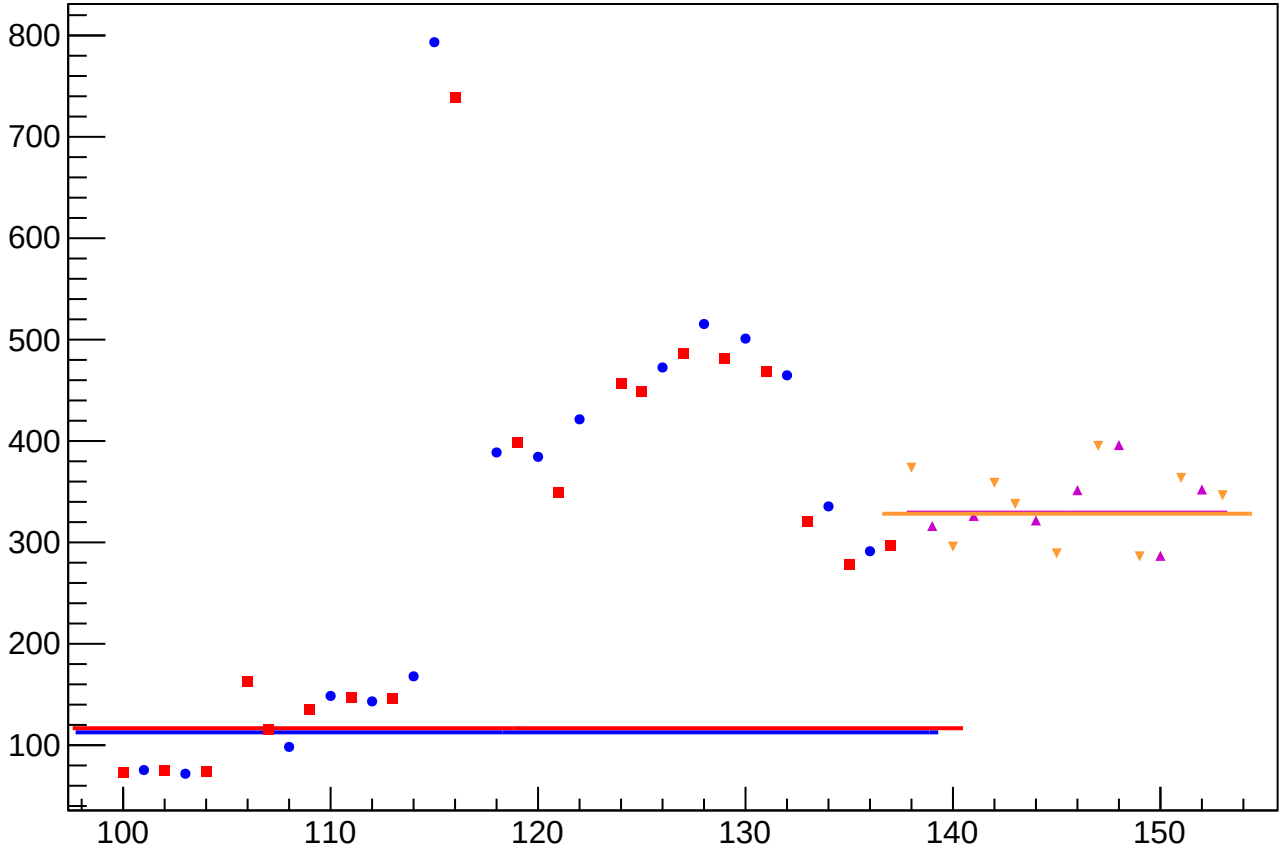
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 52.642+/-49.776 χ^2/NDF:26.9/22

Out: -79.230+/-48.975 χ^2/NDF:28.6/27

All: -14.364+/-34.910 χ^2/NDF: 59.1/50

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: 328.269+/-0.089 χ^2/NDF:183010.0/8

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

Left In: 329.374+/-0.095 χ^2/NDF:104348.2/6

Left: 328.783+/-0.065 χ^2/NDF: 287430.6/15

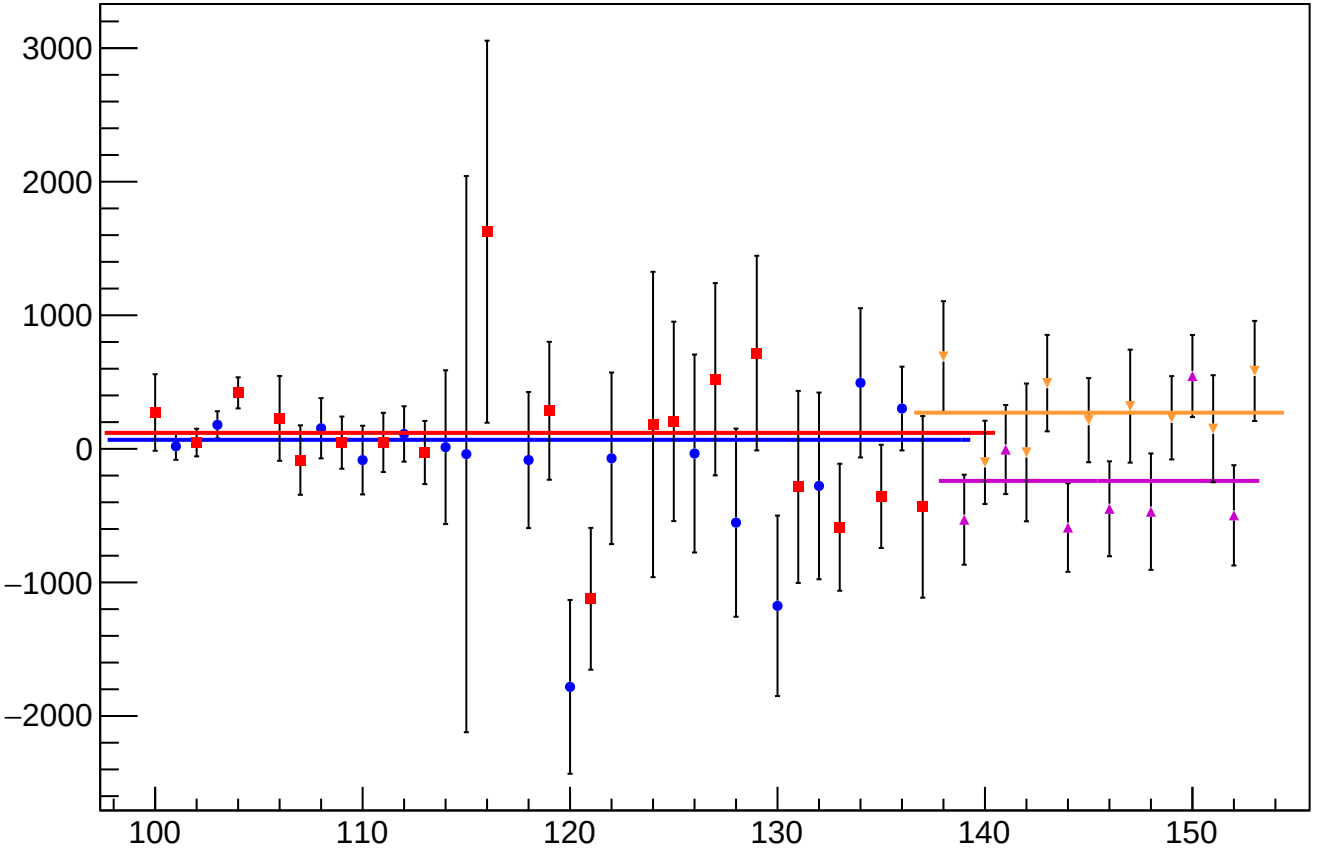
Right: 114.714+/-0.027 χ^2/NDF: 10746837.6/34

In: 142.381+/-0.035 χ^2/NDF:10189010.7/22

Out: 149.066+/-0.035 χ^2/NDF:10155931.1/27

All: 145.778+/-0.025 χ^2/NDF: 20363272.4/50

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 270.673+/-122.315 χ^2/NDF:4.0/8

Right Out: 119.635+/-57.941 χ^2/NDF: 21.1/18

Left In: -240.000+/-131.567 χ^2/NDF:10.0/6

Left: 33.922+/-89.582 χ^2/NDF: 22.1/15

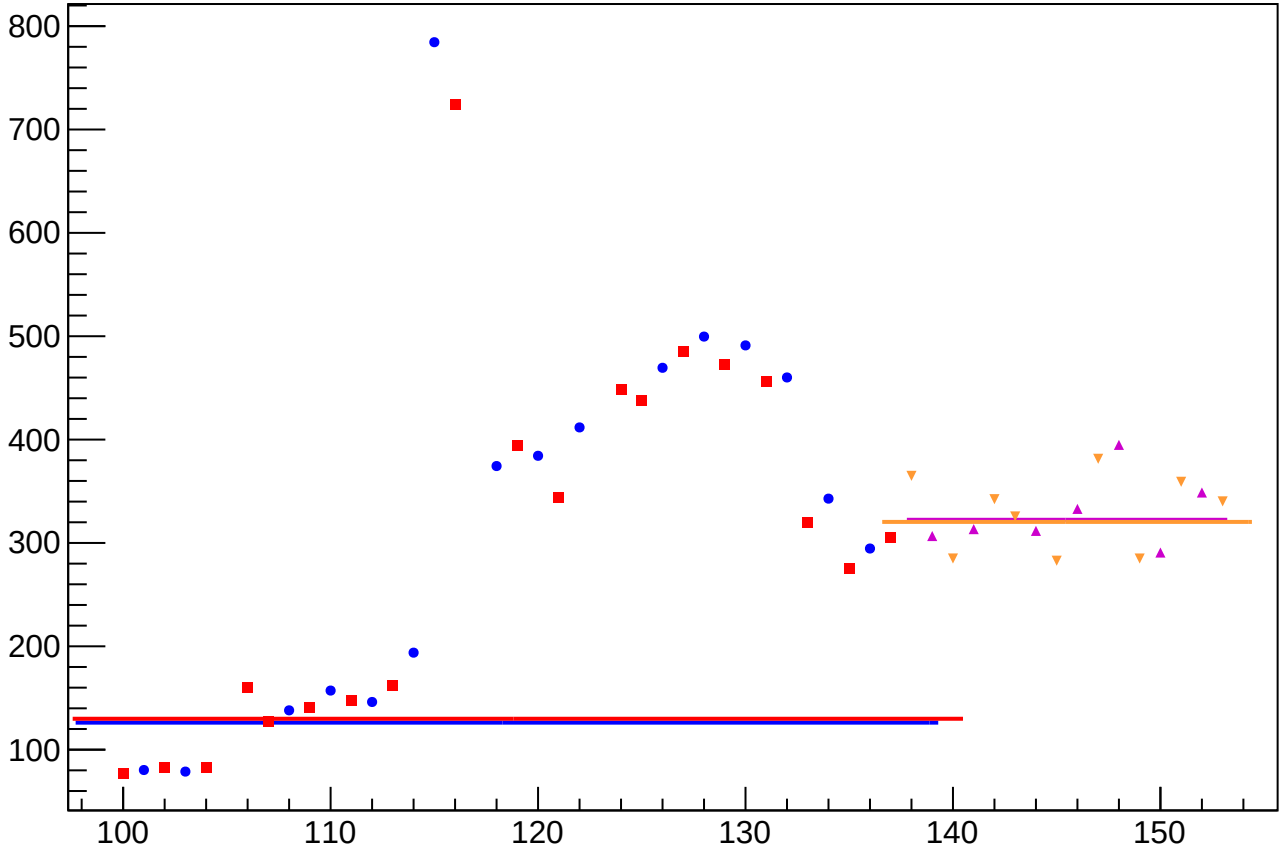
Right: 94.173+/-41.398 χ^2/NDF: 37.3/34

In: 15.871+/-53.963 χ^2/NDF:30.3/22

Out: 147.316+/-52.363 χ^2/NDF:26.4/27

All: 83.570+/-37.579 χ^2/NDF: 59.7/50

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 320.366+/-0.086 χ^2/NDF:173243.8/8

Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

Left In: 322.408+/-0.093 χ^2/NDF:96164.3/6

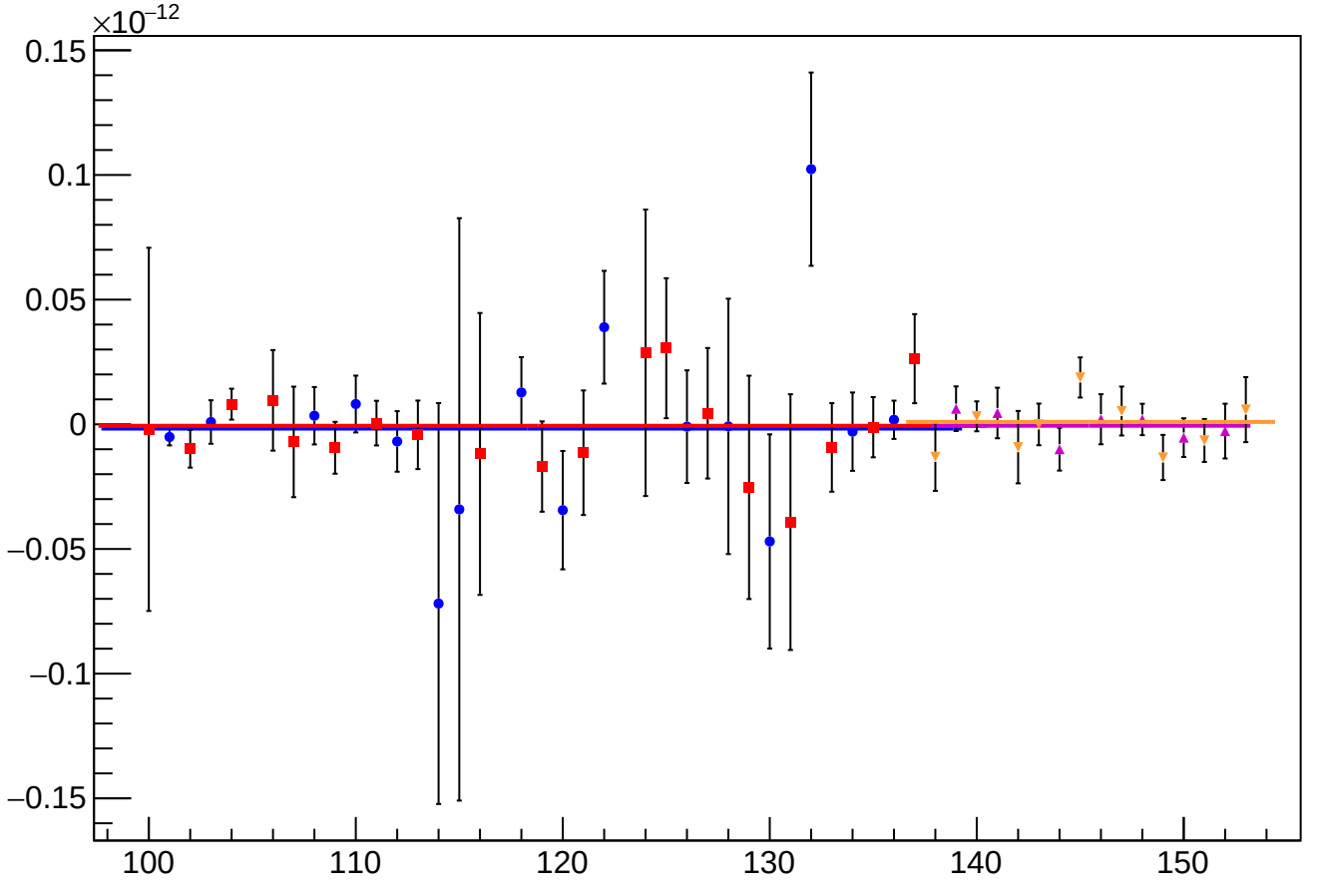
Left: 321.313+/-0.063 χ^2/NDF: 269666.4/15

Right: 128.074+/-0.029 χ^2/NDF: 9871930.1/34

In: 159.169+/-0.038 χ^2/NDF:9017774.1/22

Out: 164.819+/-0.037 χ^2/NDF:8781109.5/27

All: 162.079+/-0.027 χ^2/NDF: 17810173.3/50



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.2/8

Right Out: -0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: -0.000+/-0.000 χ^2/NDF:2.7/6

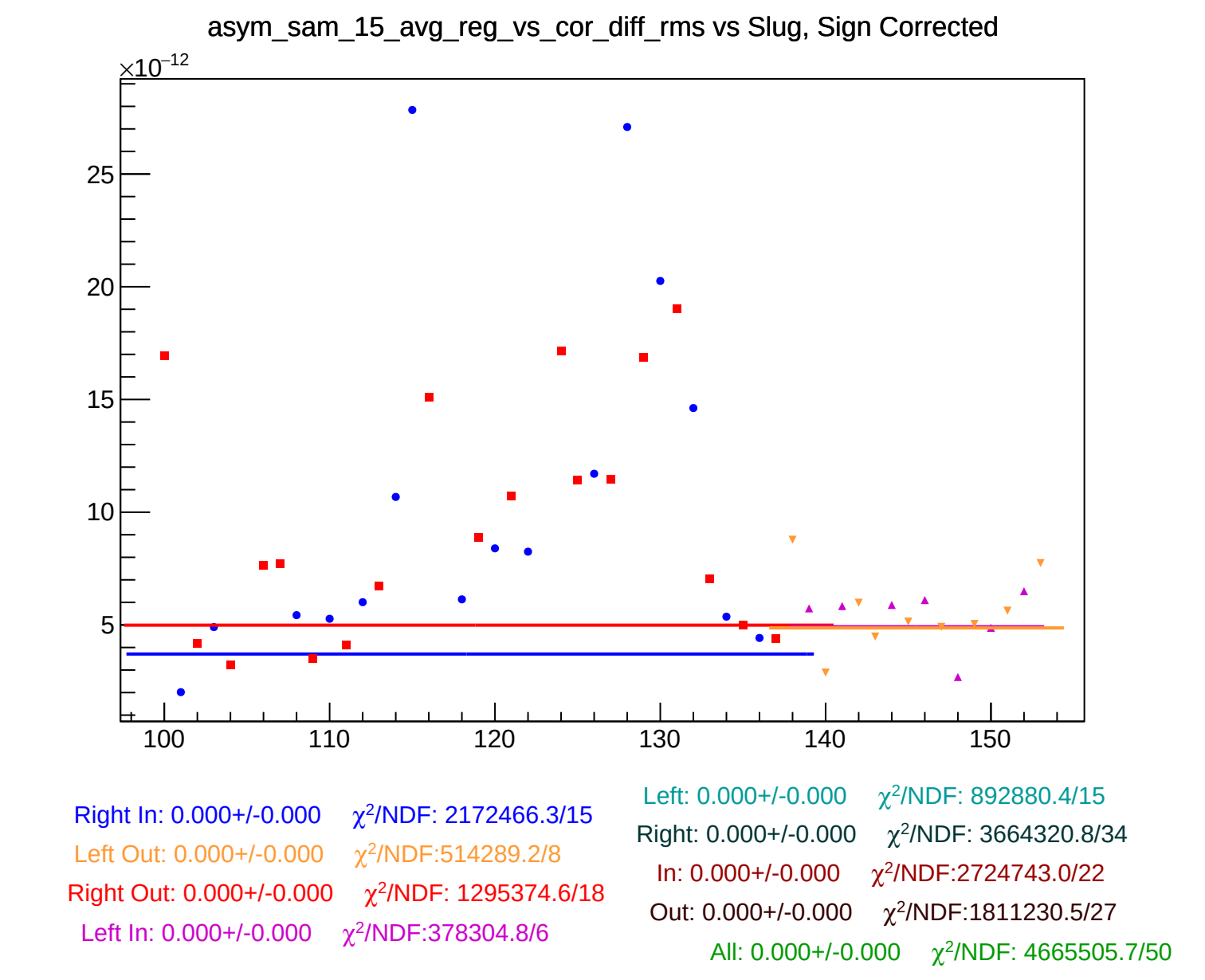
Left: 0.000+/-0.000 χ^2/NDF: 13.0/15

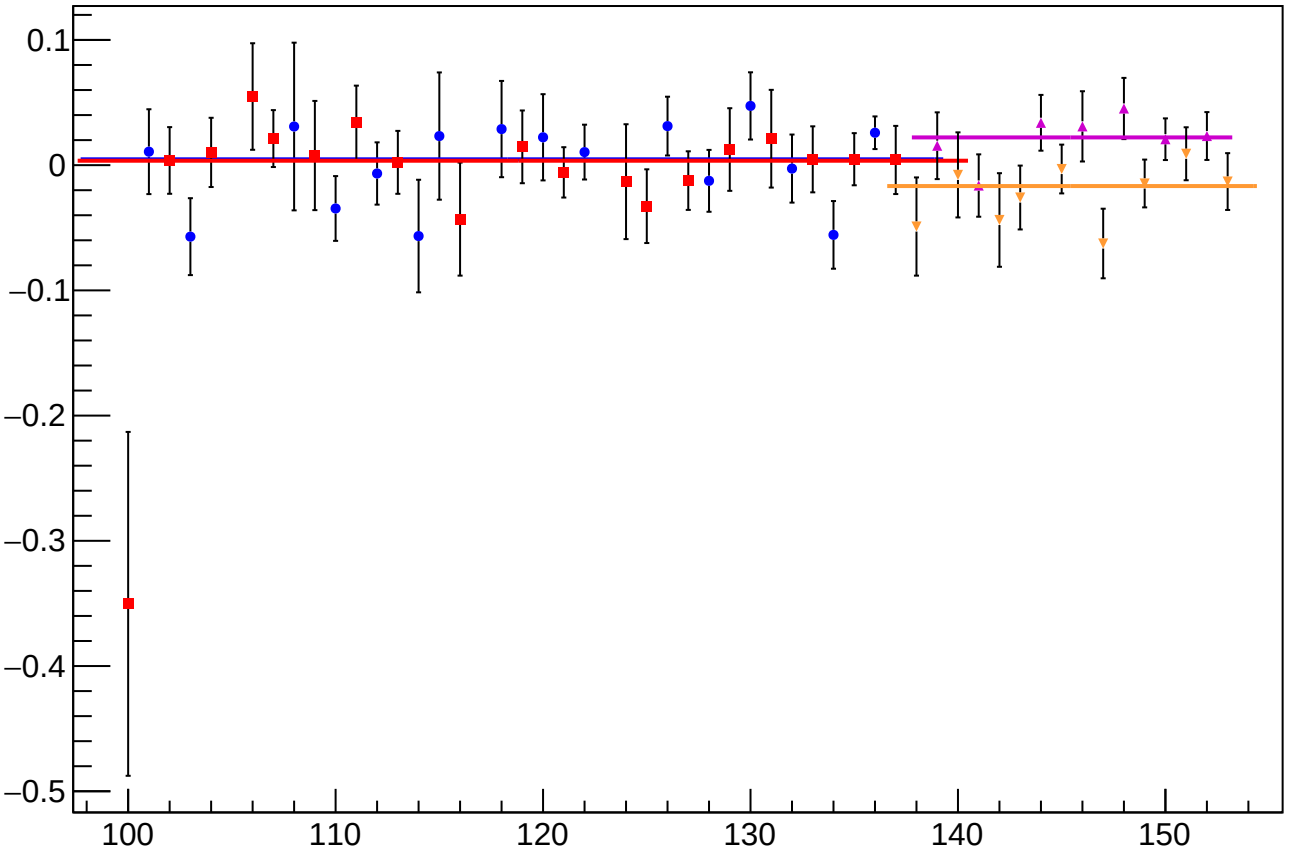
Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:20.5/22

Out: 0.000+/-0.000 χ^2/NDF:20.8/27

All: -0.000+/-0.000 χ^2/NDF: 41.6/50


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
Right In: 0.000+/-0.000 χ²/NDF: 2172466.3/15
Left Out: 0.000+/-0.000 χ²/NDF:514289.2/8
Right Out: 0.000+/-0.000 χ²/NDF: 1295374.6/18
Left In: 0.000+/-0.000 χ²/NDF:378304.8/6
Left: 0.000+/-0.000 χ²/NDF: 892880.4/15
Right: 0.000+/-0.000 χ²/NDF: 3664320.8/34
In: 0.000+/-0.000 χ²/NDF:2724743.0/22
Out: 0.000+/-0.000 χ²/NDF:1811230.5/27
All: 0.000+/-0.000 χ²/NDF: 4665505.7/50



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.017+/-0.008 χ^2/NDF:6.1/8

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.022+/-0.008 χ^2/NDF:3.7/6

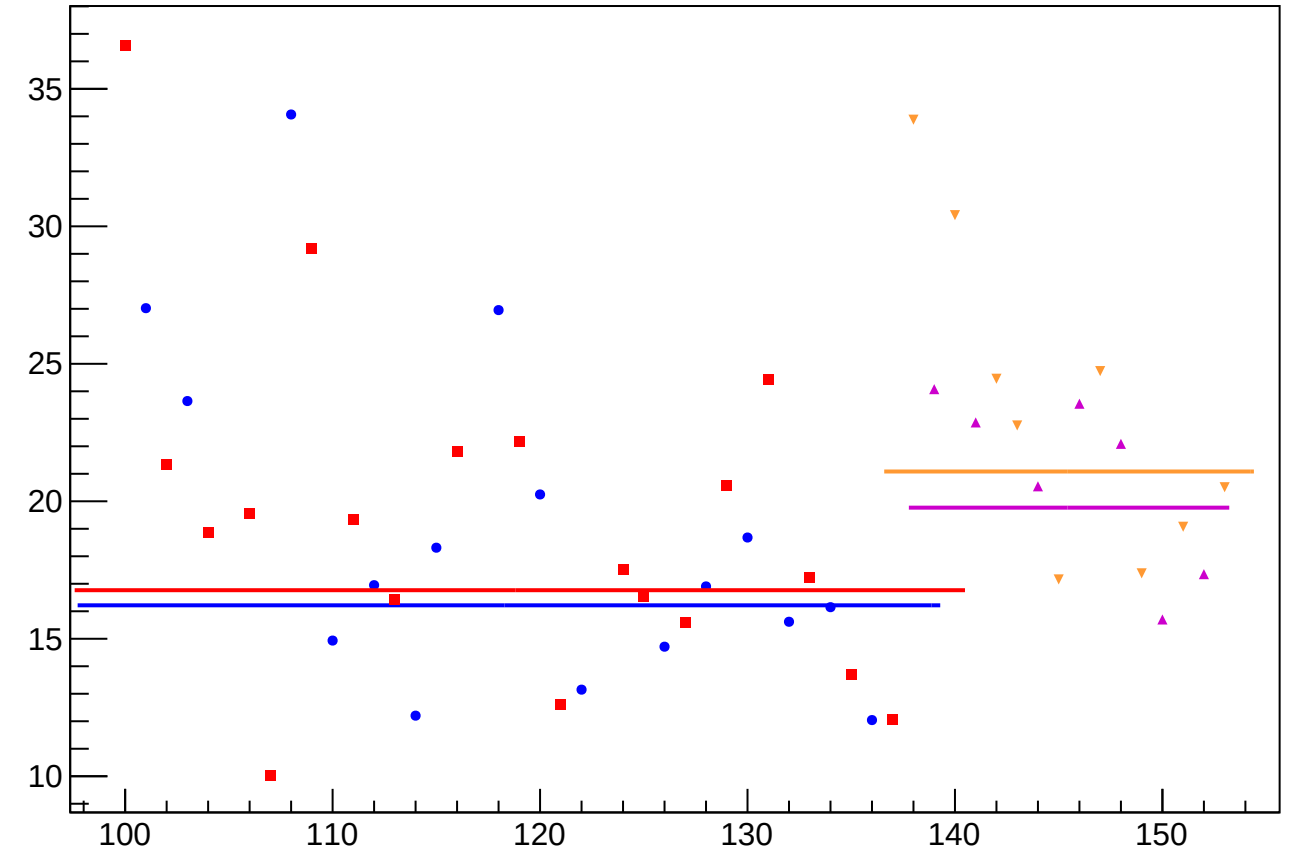
Left: 0.003+/-0.006 χ^2/NDF: 20.8/15

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.011+/-0.005 χ^2/NDF:27.9/22

Out: -0.004+/-0.005 χ^2/NDF:23.4/27

All: 0.004+/-0.004 χ^2/NDF: 55.9/50



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 21.083+/-0.006 χ^2/NDF:598845.4/8

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 19.768+/-0.006 χ^2/NDF:291596.5/6

Left: 20.433+/-0.004 χ^2/NDF: 915478.1/15

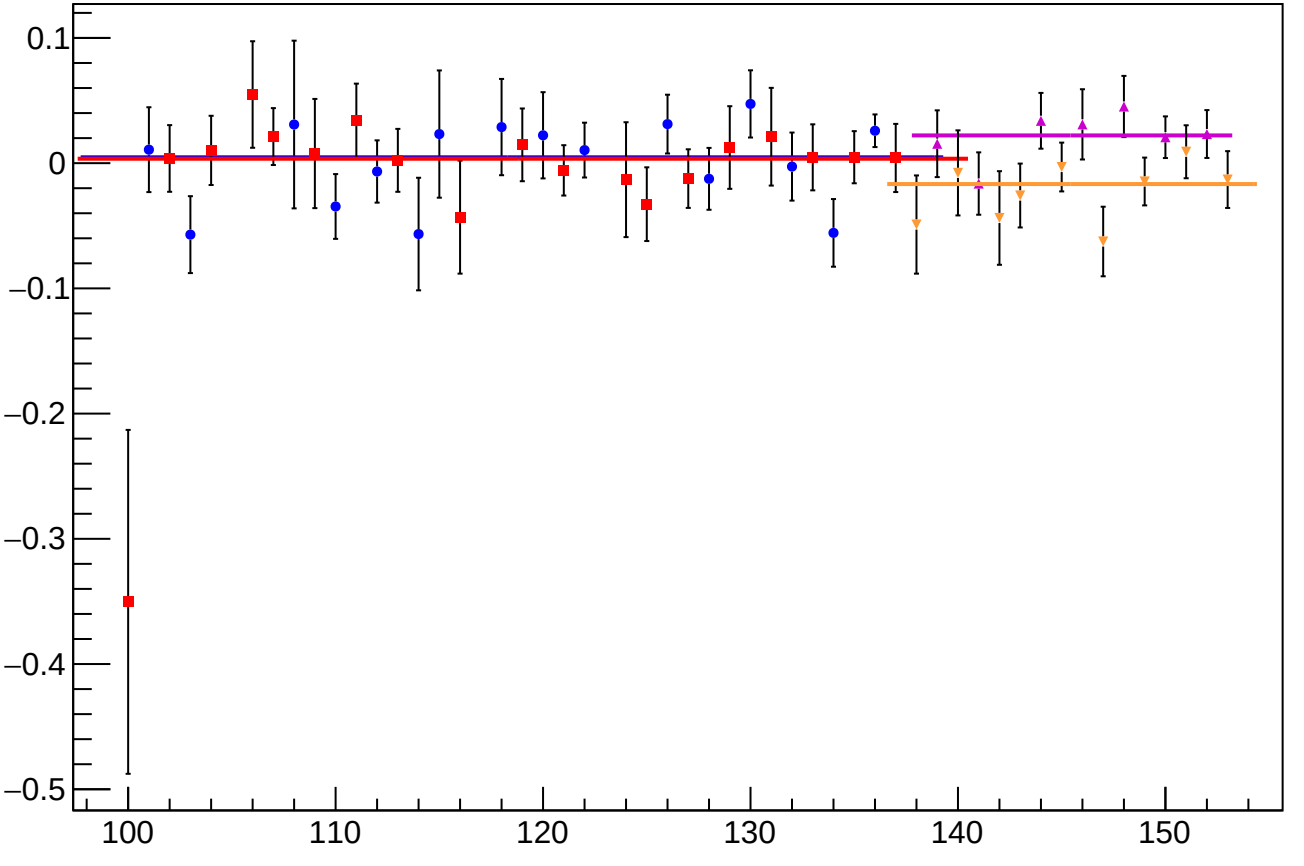
Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 17.573+/-0.004 χ^2/NDF:1458988.1/22

Out: 18.454+/-0.004 χ^2/NDF:1797545.9/27

All: 18.013+/-0.003 χ^2/NDF: 3285658.2/50

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.017+/-0.008 χ^2/NDF:6.1/8

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.022+/-0.008 χ^2/NDF:3.7/6

Left: 0.003+/-0.006 χ^2/NDF: 20.8/15

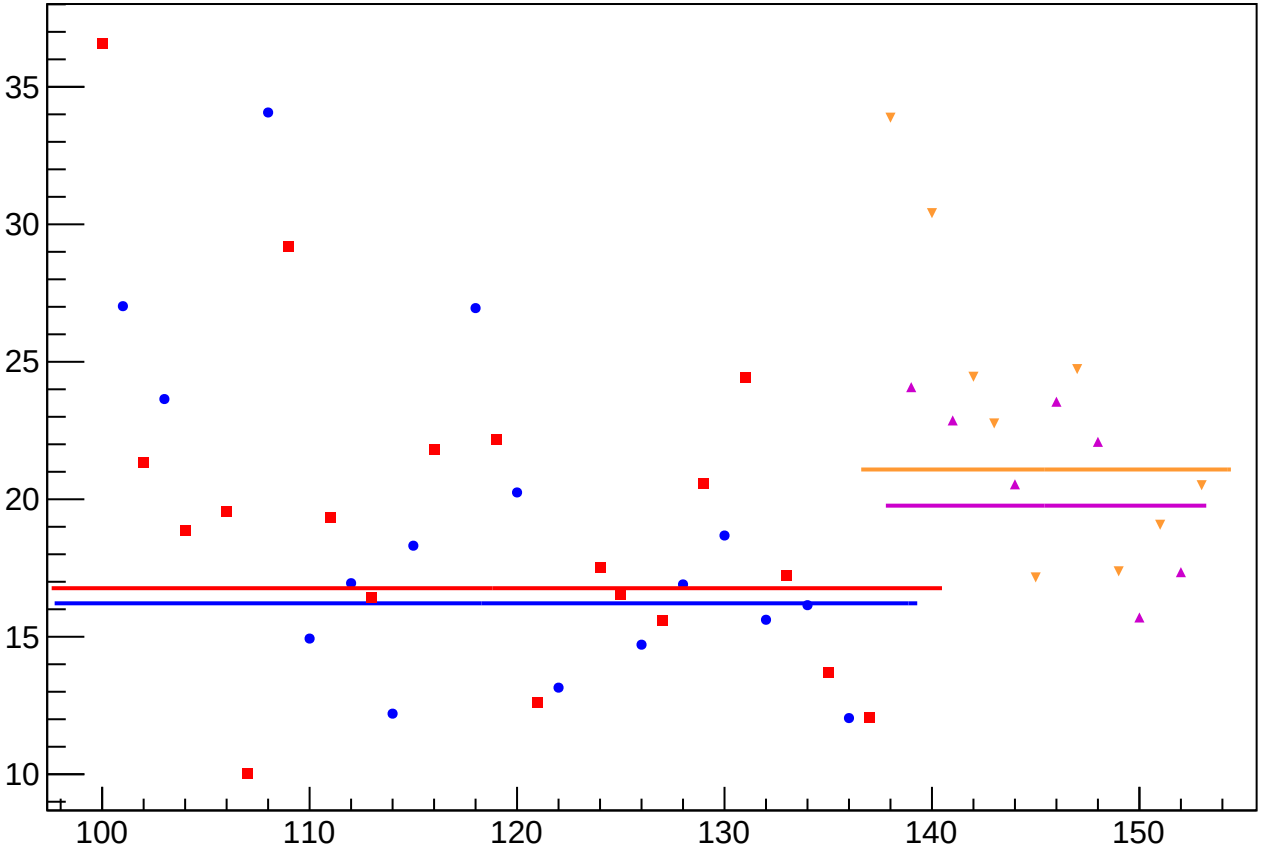
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.011+/-0.005 χ^2/NDF:27.9/22

Out: -0.004+/-0.005 χ^2/NDF:23.4/27

All: 0.004+/-0.004 χ^2/NDF: 55.9/50

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: 21.083+/-0.006 χ^2/NDF:598845.4/8

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 19.768+/-0.006 χ^2/NDF:291596.5/6

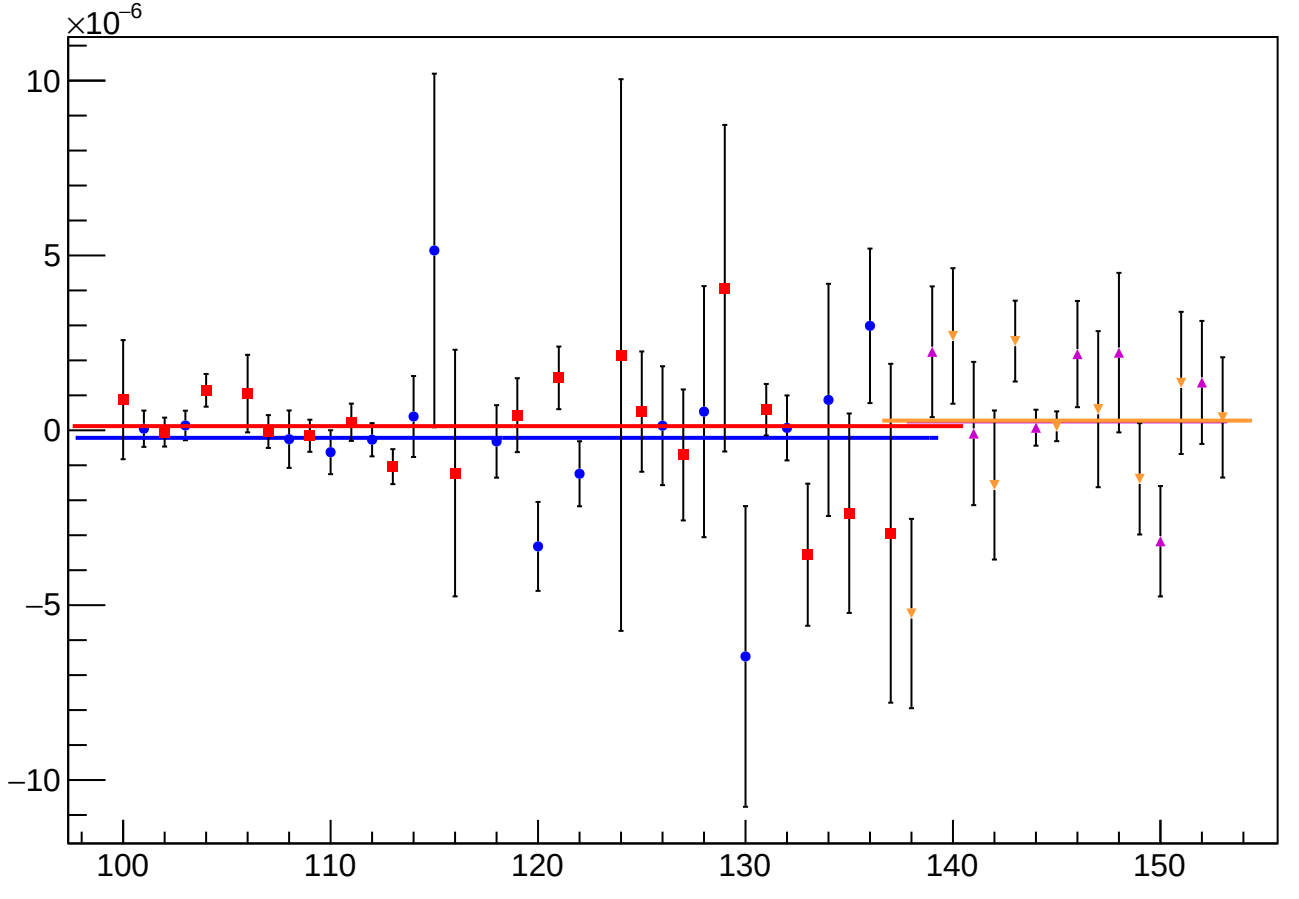
Left: 20.433+/-0.004 χ^2/NDF: 915478.1/15

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 17.573+/-0.004 χ^2/NDF:1458988.1/22

Out: 18.454+/-0.004 χ^2/NDF:1797545.9/27

All: 18.013+/-0.003 χ^2/NDF: 3285658.2/50



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.9/8

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:8.8/6

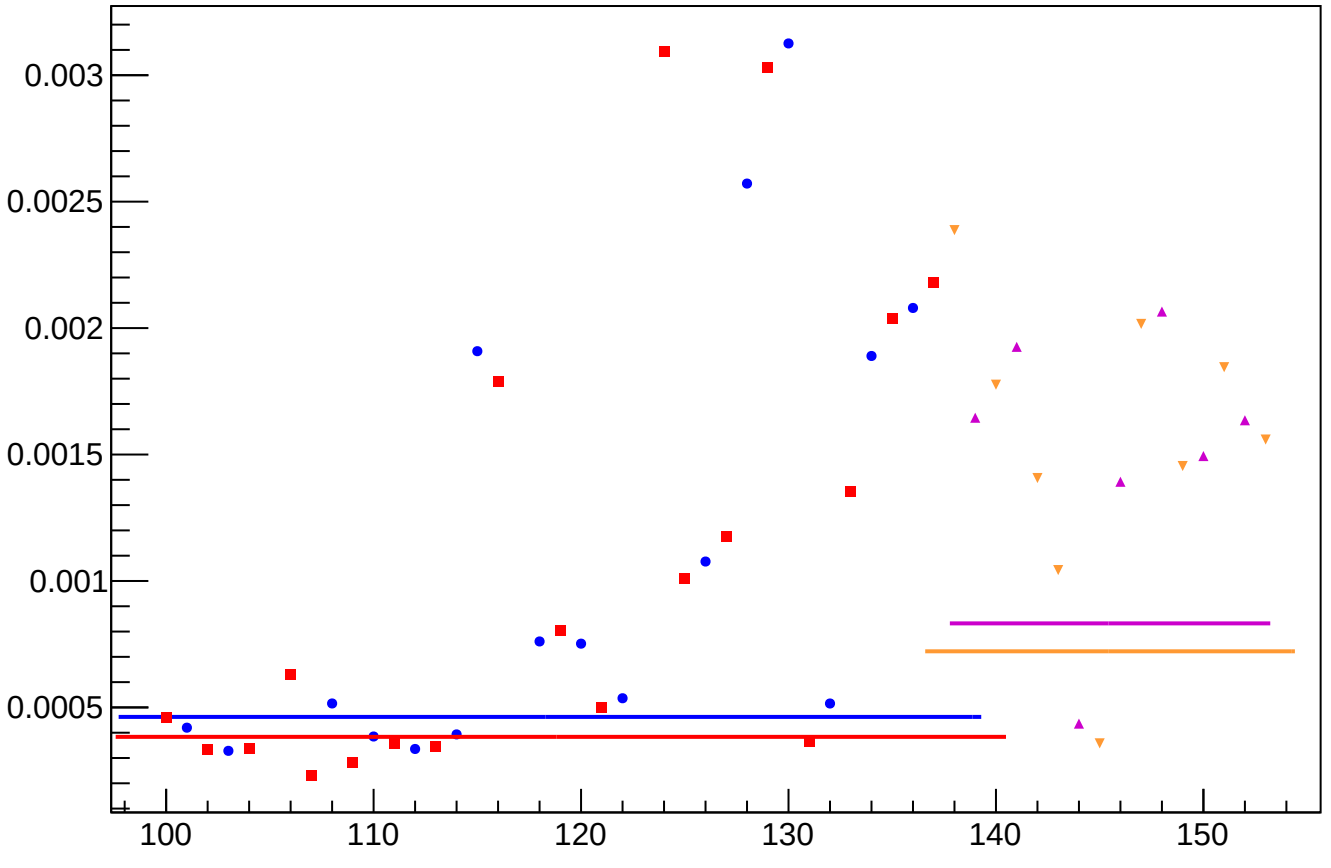
Left: 0.000+/-0.000 χ^2/NDF: 20.6/15

Right: -0.000+/-0.000 χ^2/NDF: 36.2/34

In: -0.000+/-0.000 χ^2/NDF:24.2/22

Out: 0.000+/-0.000 χ^2/NDF:32.3/27

All: 0.000+/-0.000 χ^2/NDF: 57.8/50



Right In: 0.000+/-0.000 χ^2/NDF: 4015939.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:5349414.5/8

Right Out: 0.000+/-0.000 χ^2/NDF: 4058129.5/18

Left In: 0.001+/-0.000 χ^2/NDF:3760916.8/6

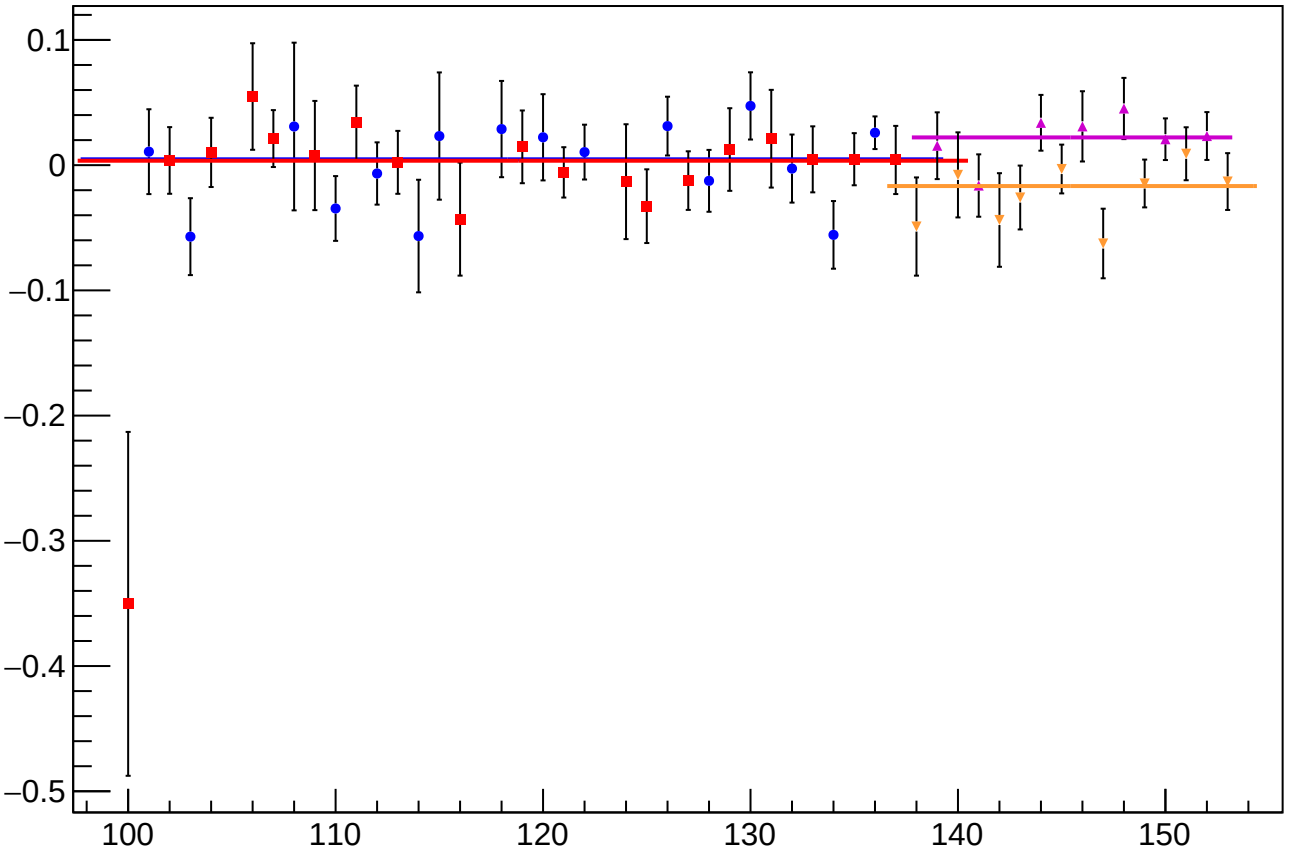
Left: 0.001+/-0.000 χ^2/NDF: 9191348.2/15

Right: 0.000+/-0.000 χ^2/NDF: 8244700.4/34

In: 0.001+/-0.000 χ^2/NDF:9020285.7/22

Out: 0.000+/-0.000 χ^2/NDF:10893133.2/27

All: 0.000+/-0.000 χ^2/NDF: 20164703.4/50



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.017+/-0.008 χ^2/NDF:6.1/8

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.022+/-0.008 χ^2/NDF:3.7/6

Left: 0.003+/-0.006 χ^2/NDF: 20.8/15

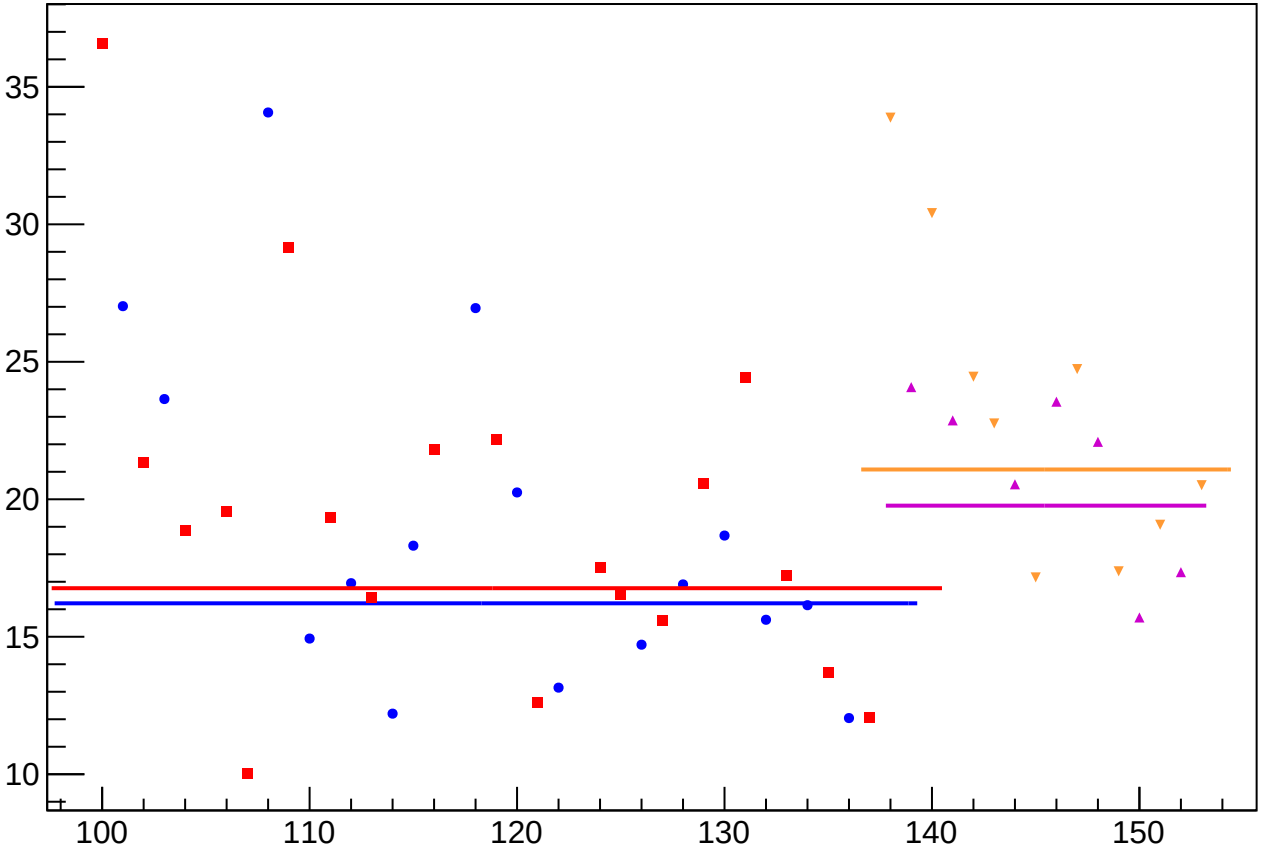
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.011+/-0.005 χ^2/NDF:27.9/22

Out: -0.004+/-0.005 χ^2/NDF:23.4/27

All: 0.004+/-0.004 χ^2/NDF: 55.9/50

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: 21.084+/-0.006 χ^2/NDF:598887.8/8

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.768+/-0.006 χ^2/NDF:291677.4/6

Left: 20.433+/-0.004 χ^2/NDF: 915605.2/15

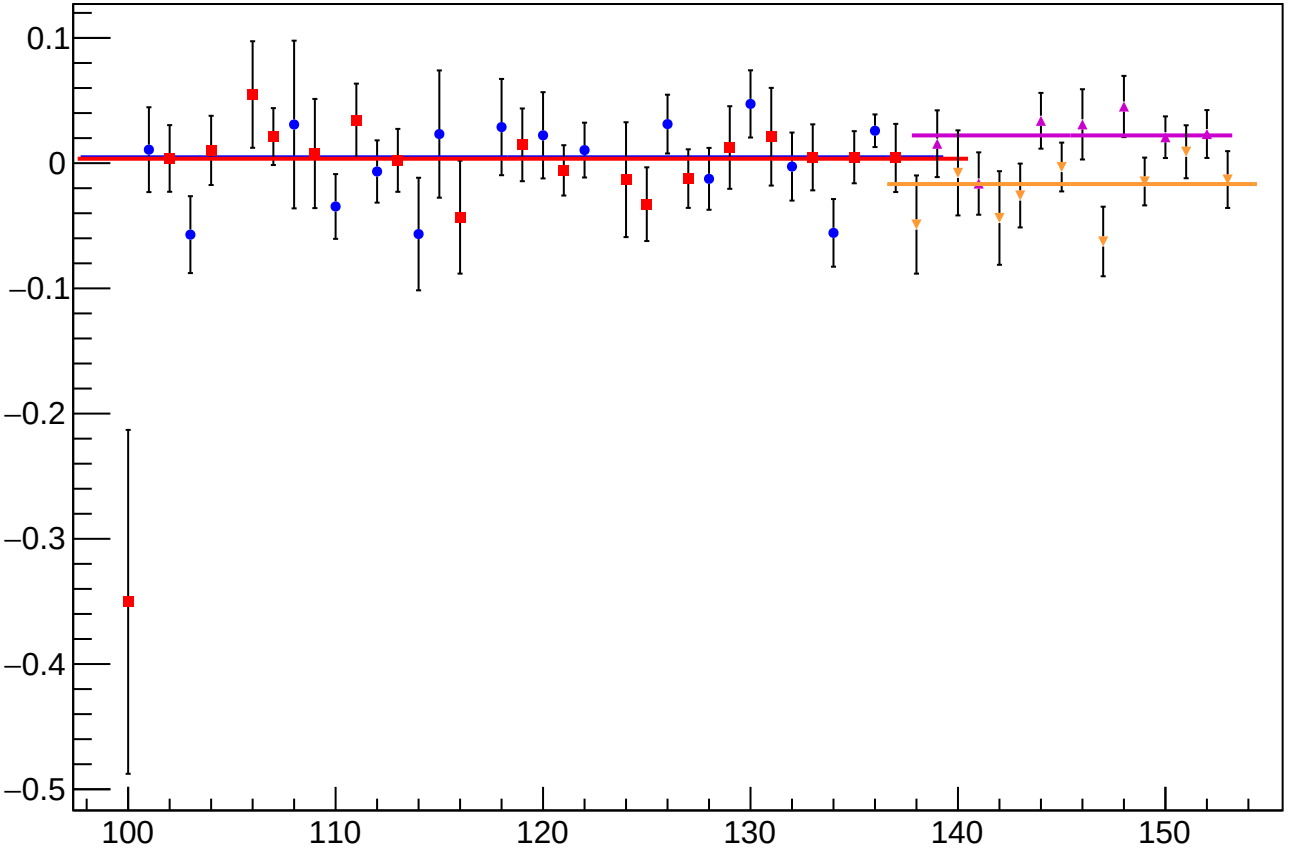
Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 17.573+/-0.004 χ^2/NDF:1459070.0/22

Out: 18.454+/-0.004 χ^2/NDF:1797643.6/27

All: 18.013+/-0.003 χ^2/NDF: 3285838.7/50

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: -0.017+/-0.008 χ^2/NDF:6.1/8

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.022+/-0.008 χ^2/NDF:3.7/6

Left: 0.003+/-0.006 χ^2/NDF: 20.8/15

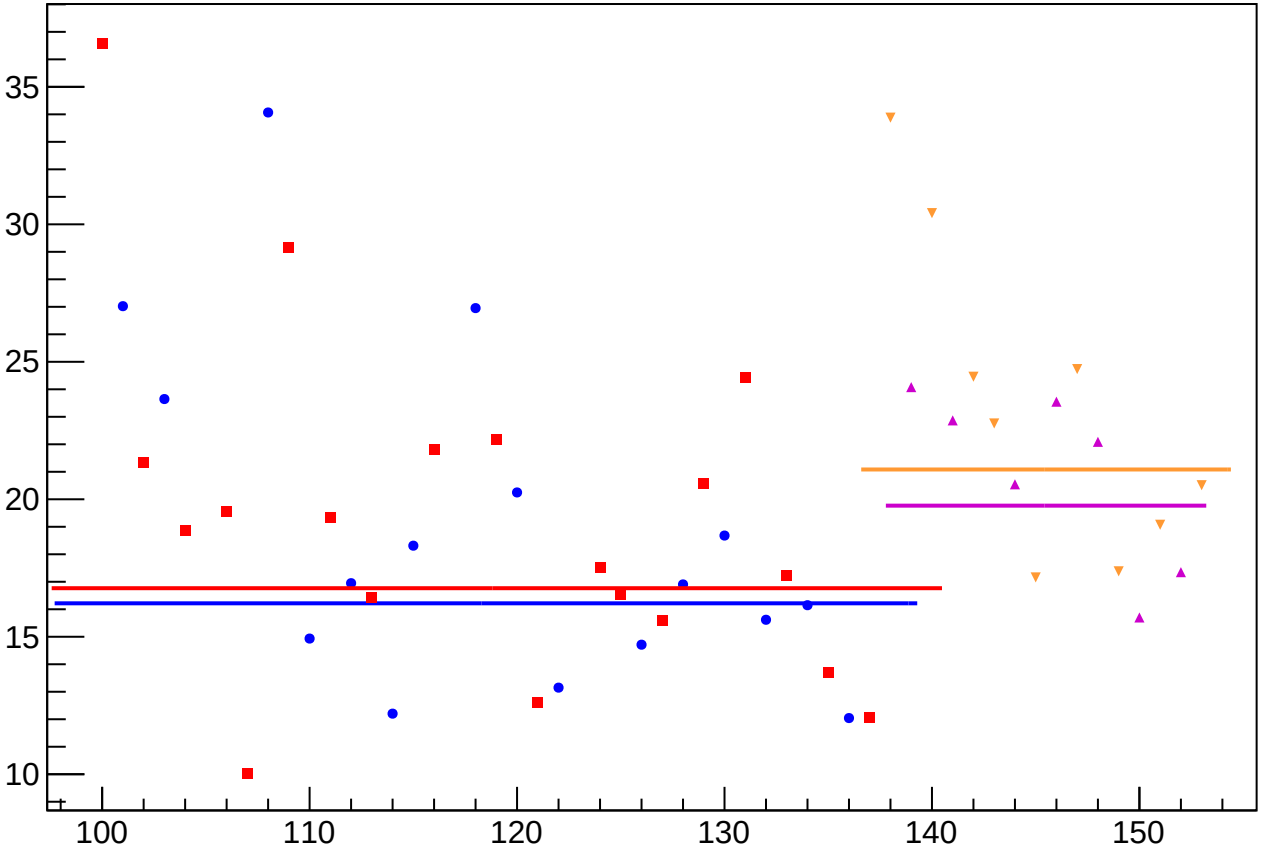
Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.011+/-0.005 χ^2/NDF:27.9/22

Out: -0.004+/-0.005 χ^2/NDF:23.4/27

All: 0.004+/-0.004 χ^2/NDF: 55.9/50

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: 21.084+/-0.006 χ^2/NDF:598887.8/8

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.768+/-0.006 χ^2/NDF:291677.4/6

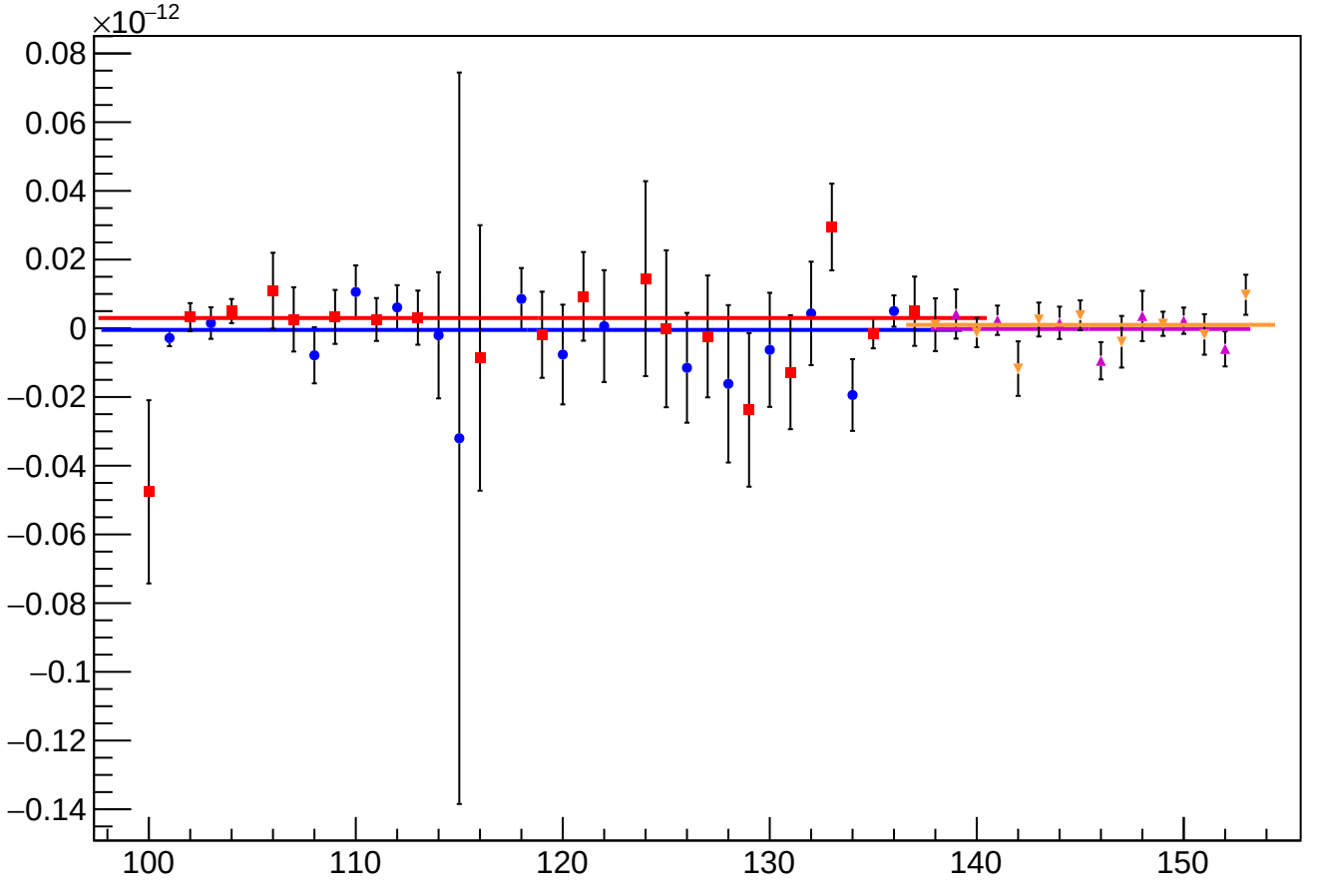
Left: 20.433+/-0.004 χ^2/NDF: 915605.2/15

Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 17.573+/-0.004 χ^2/NDF:1459070.0/22

Out: 18.454+/-0.004 χ^2/NDF:1797643.6/27

All: 18.013+/-0.003 χ^2/NDF: 3285838.7/50



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.3/8

Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:5.7/6

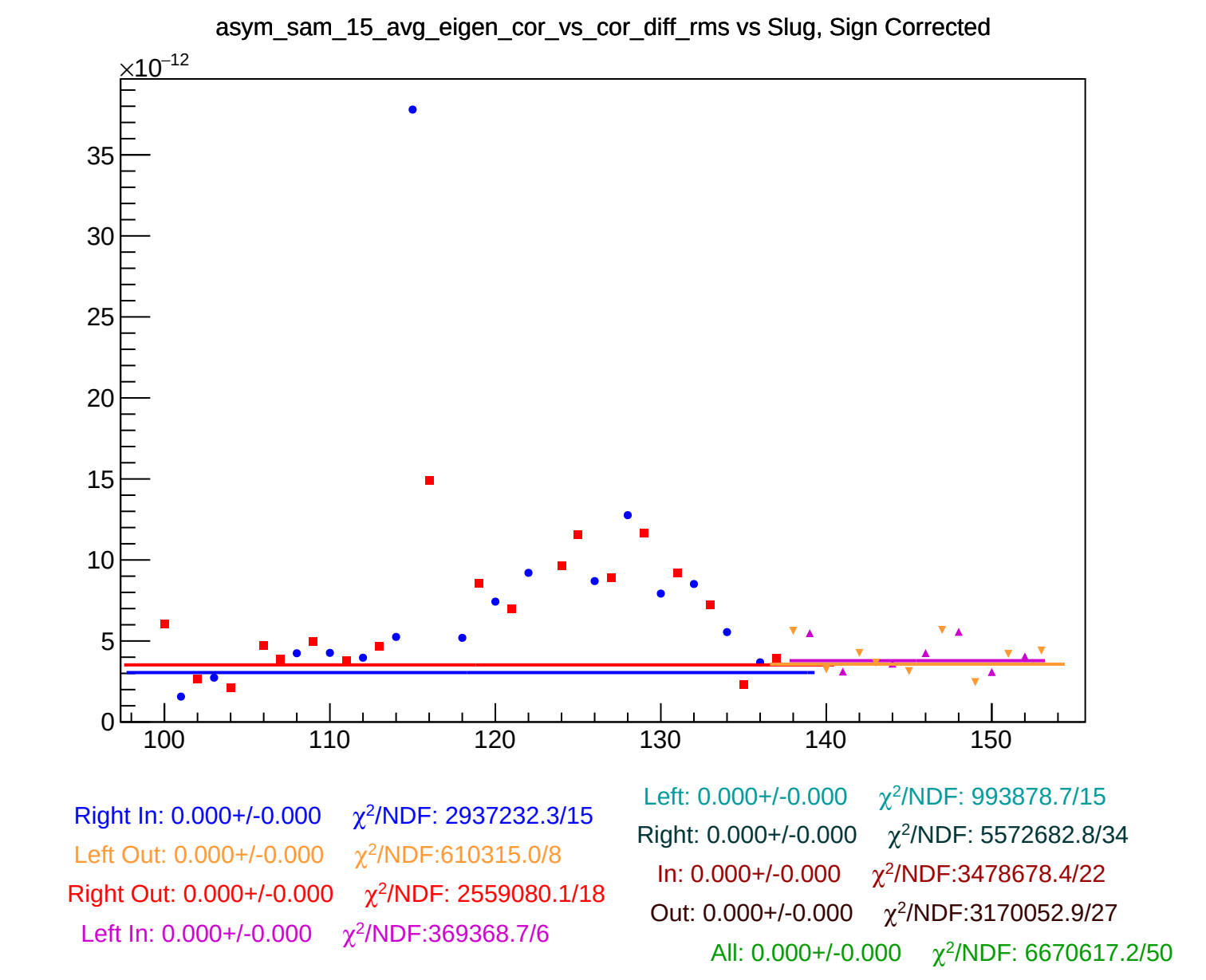
Left: 0.000+/-0.000 χ^2/NDF: 12.2/15

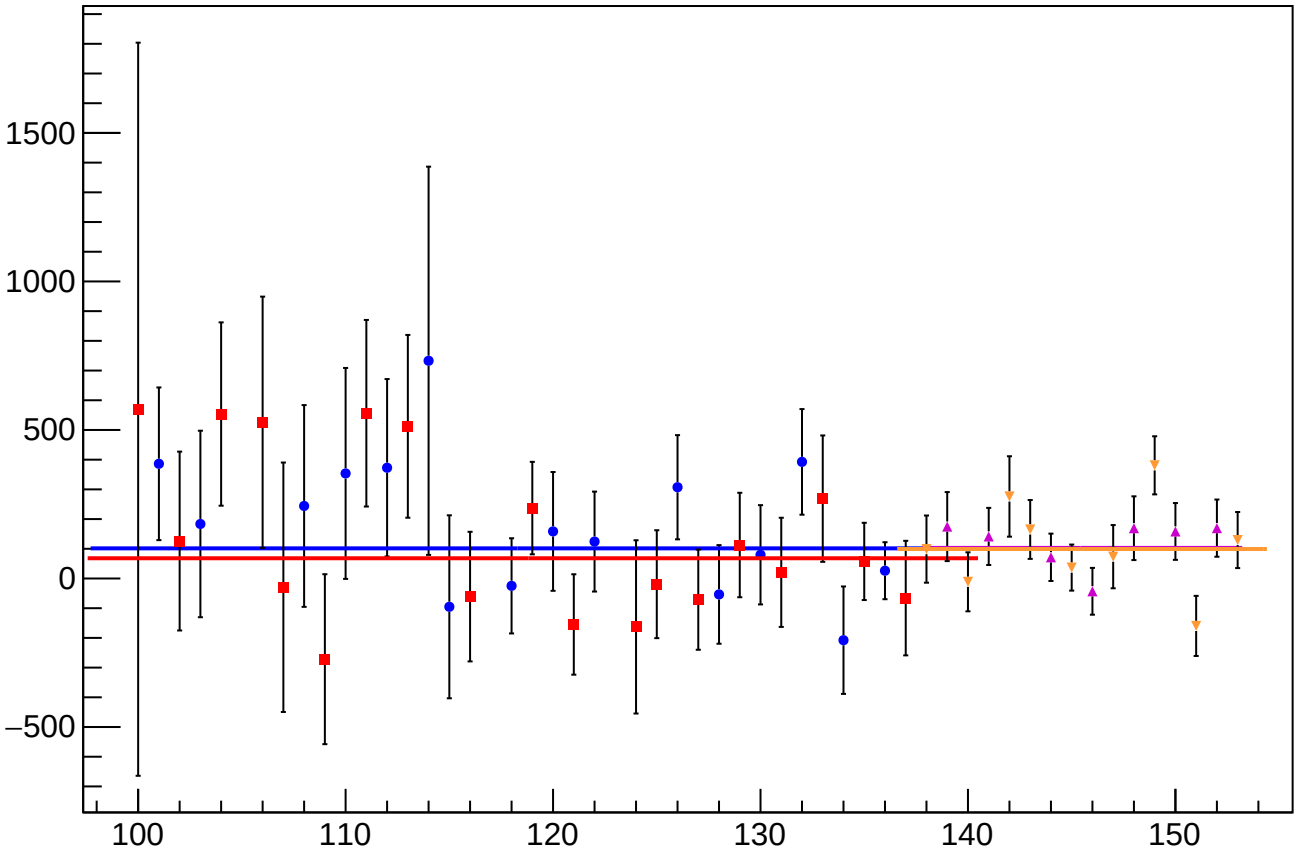
Right: 0.000+/-0.000 χ^2/NDF: 27.4/34

In: -0.000+/-0.000 χ^2/NDF:18.0/22

Out: 0.000+/-0.000 χ^2/NDF:19.9/27

All: 0.000+/-0.000 χ^2/NDF: 39.7/50


asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2937232.3/15
Left Out: 0.000+/-0.000 χ²/NDF:610315.0/8
Right Out: 0.000+/-0.000 χ²/NDF: 2559080.1/18
Left In: 0.000+/-0.000 χ²/NDF:369368.7/6
Left: 0.000+/-0.000 χ²/NDF: 993878.7/15
Right: 0.000+/-0.000 χ²/NDF: 5572682.8/34
In: 0.000+/-0.000 χ²/NDF:3478678.4/22
Out: 0.000+/-0.000 χ²/NDF:3170052.9/27
All: 0.000+/-0.000 χ²/NDF: 6670617.2/50



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: 99.260+/-33.238 χ^2/NDF:19.0/8

Right Out: 68.108+/-49.327 χ^2/NDF: 16.1/18

Left In: 102.962+/-35.247 χ^2/NDF:5.3/6

Left: 101.002+/-24.182 χ^2/NDF: 24.4/15

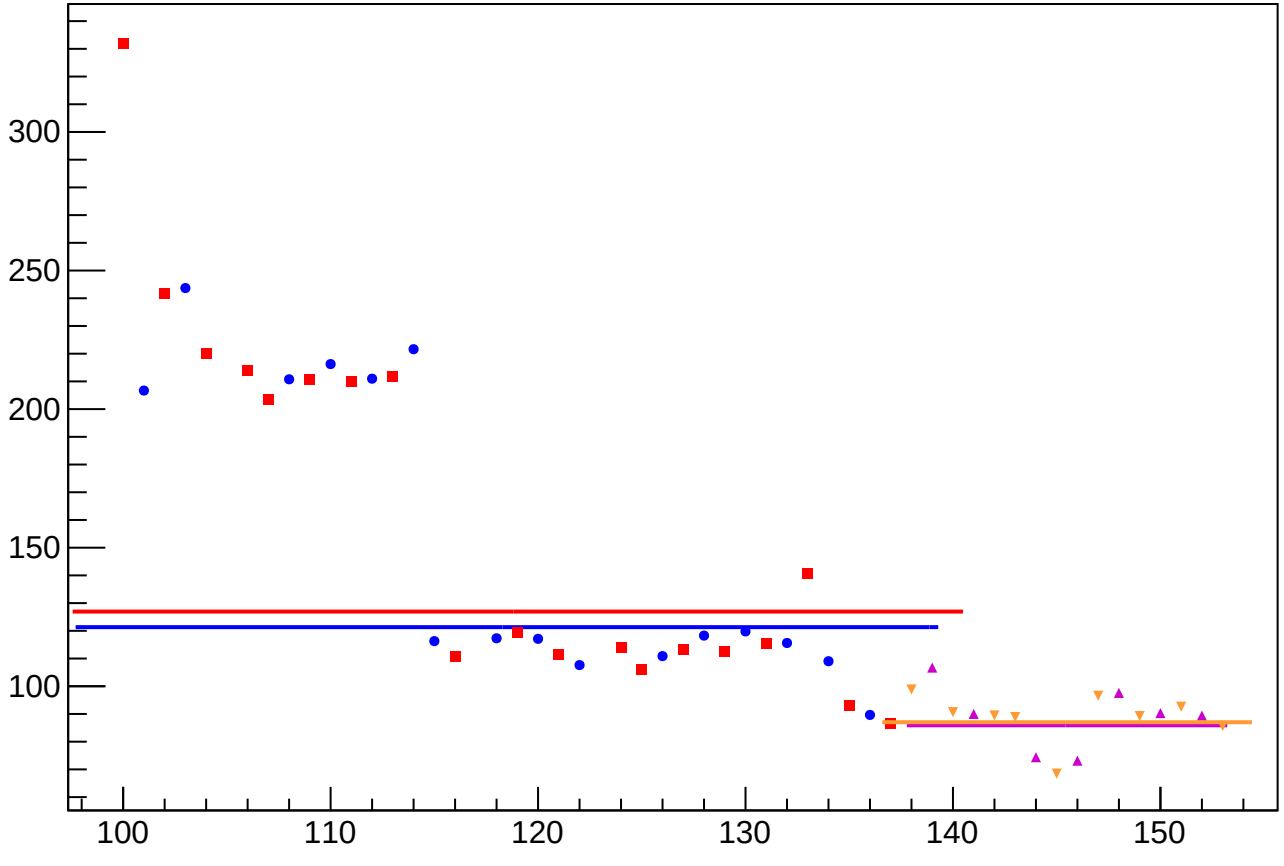
Right: 85.367+/-34.264 χ^2/NDF: 29.7/34

In: 102.430+/-28.333 χ^2/NDF:18.7/22

Out: 89.533+/-27.564 χ^2/NDF:35.5/27

All: 95.804+/-19.757 χ^2/NDF: 54.2/50

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 87.022+/-0.024 χ^2/NDF:164190.8/8

Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 85.906+/-0.025 χ^2/NDF:192843.1/6

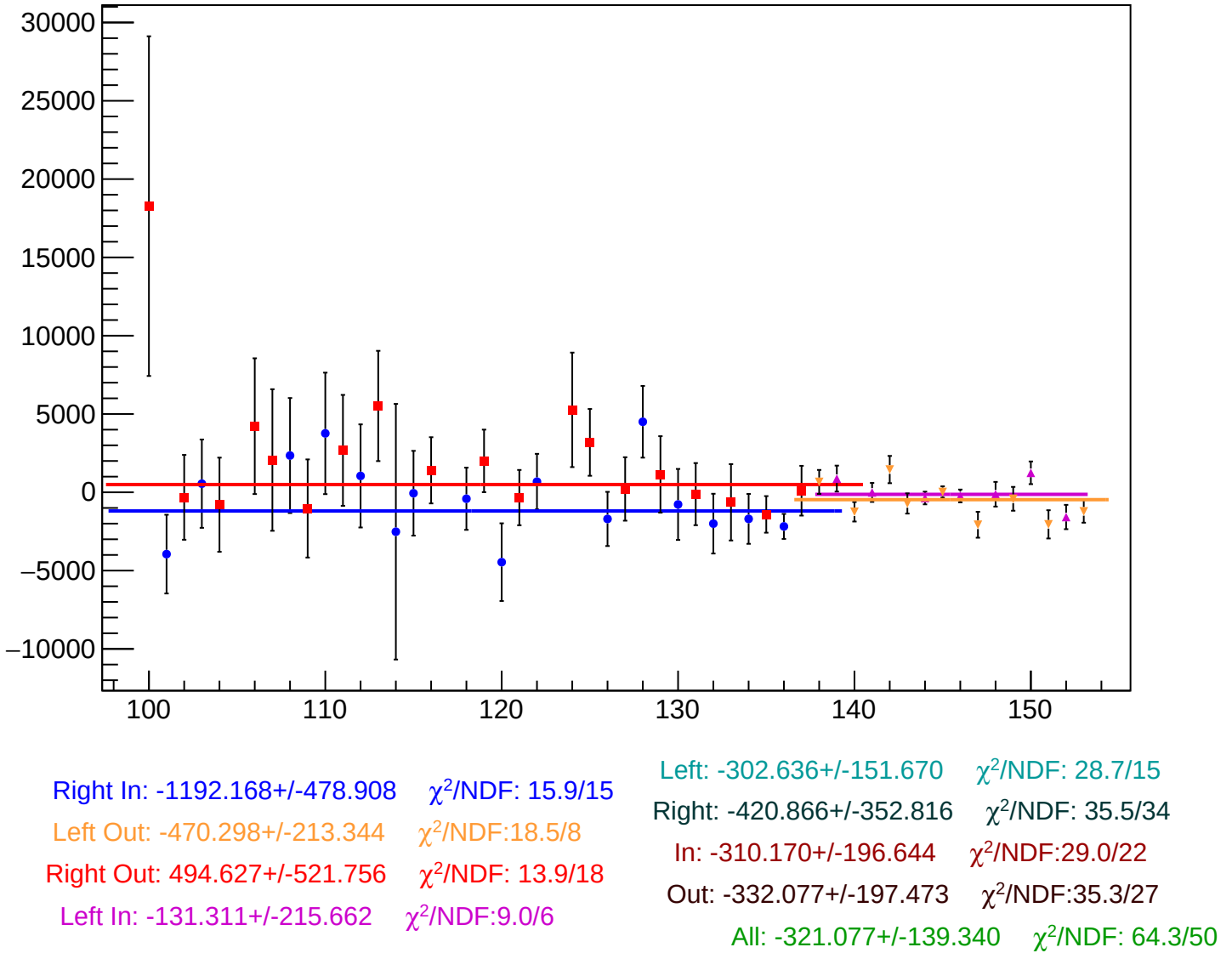
Left: 86.497+/-0.017 χ^2/NDF: 358094.8/15

Right: 124.037+/-0.024 χ^2/NDF: 2771675.2/34

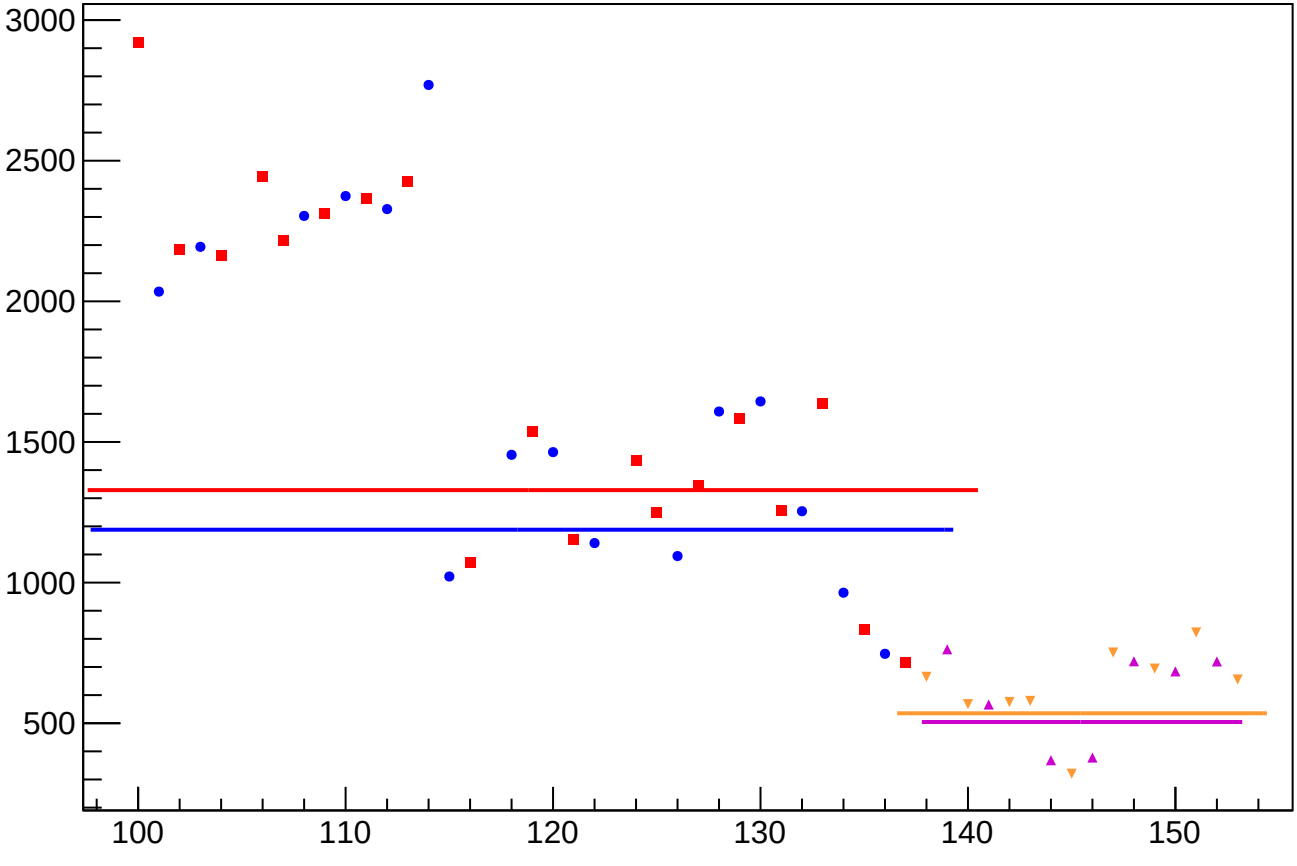
In: 98.439+/-0.020 χ^2/NDF:2194104.1/22

Out: 99.488+/-0.019 χ^2/NDF:2536776.1/27

All: 98.978+/-0.014 χ^2/NDF: 4732288.1/50


asym_sam_26_avg_reg_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: -1192.168+/-478.908 χ²/NDF: 15.9/15
Left Out: -470.298+/-213.344 χ²/NDF:18.5/8
Right Out: 494.627+/-521.756 χ²/NDF: 13.9/18
Left In: -131.311+/-215.662 χ²/NDF:9.0/6
Left: -302.636+/-151.670 χ²/NDF: 28.7/15
Right: -420.866+/-352.816 χ²/NDF: 35.5/34
In: -310.170+/-196.644 χ²/NDF:29.0/22
Out: -332.077+/-197.473 χ²/NDF:35.3/27
All: -321.077+/-139.340 χ²/NDF: 64.3/50

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: 535.344+/-0.151 χ^2/NDF:1262508.9/8

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

Left In: 504.433+/-0.152 χ^2/NDF:1061360.7/6

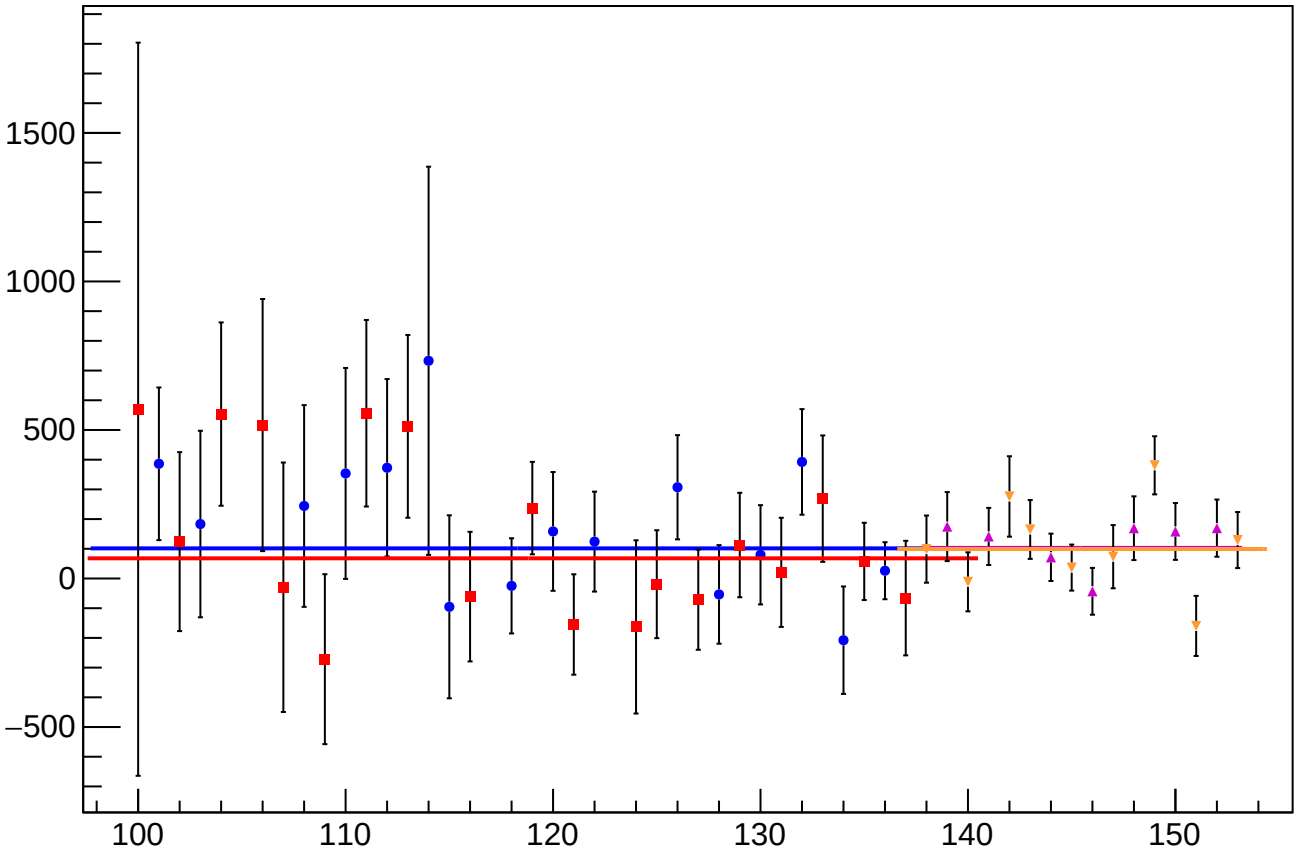
Left: 520.056+/-0.107 χ^2/NDF: 2344635.7/15

Right: 1252.427+/-0.249 χ^2/NDF: 4081382.8/34

In: 619.693+/-0.139 χ^2/NDF:6494335.5/22

Out: 649.006+/-0.140 χ^2/NDF:7183188.6/27

All: 634.288+/-0.099 χ^2/NDF: 13699650.1/50



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 99.266+/-33.238 χ^2/NDF:19.0/8

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 102.962+/-35.247 χ^2/NDF:5.3/6

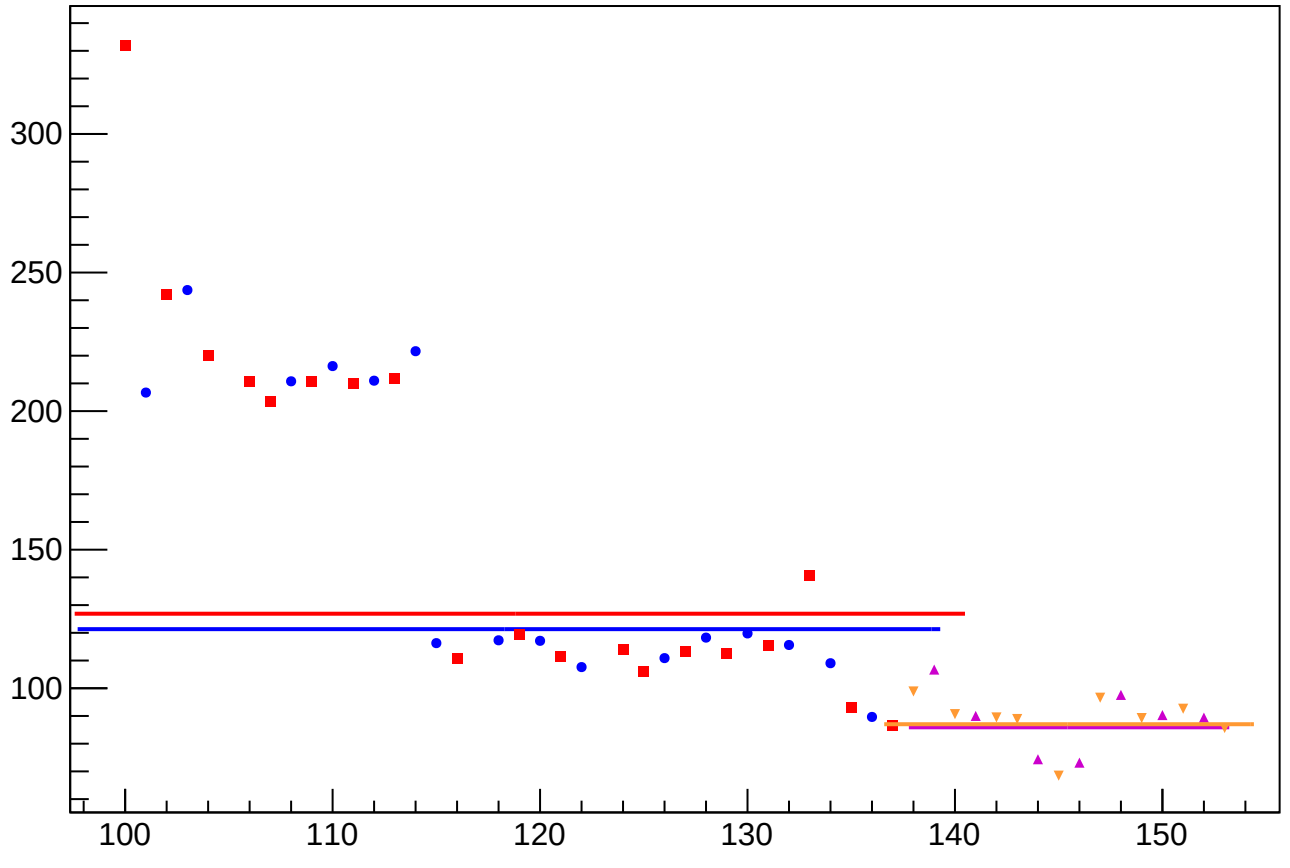
Left: 101.006+/-24.182 χ^2/NDF: 24.4/15

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 102.426+/-28.333 χ^2/NDF:18.7/22

Out: 89.467+/-27.565 χ^2/NDF:35.4/27

All: 95.768+/-19.757 χ^2/NDF: 54.2/50



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 87.022+/-0.024 χ^2/NDF:164190.8/8

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 85.906+/-0.025 χ^2/NDF:192843.1/6

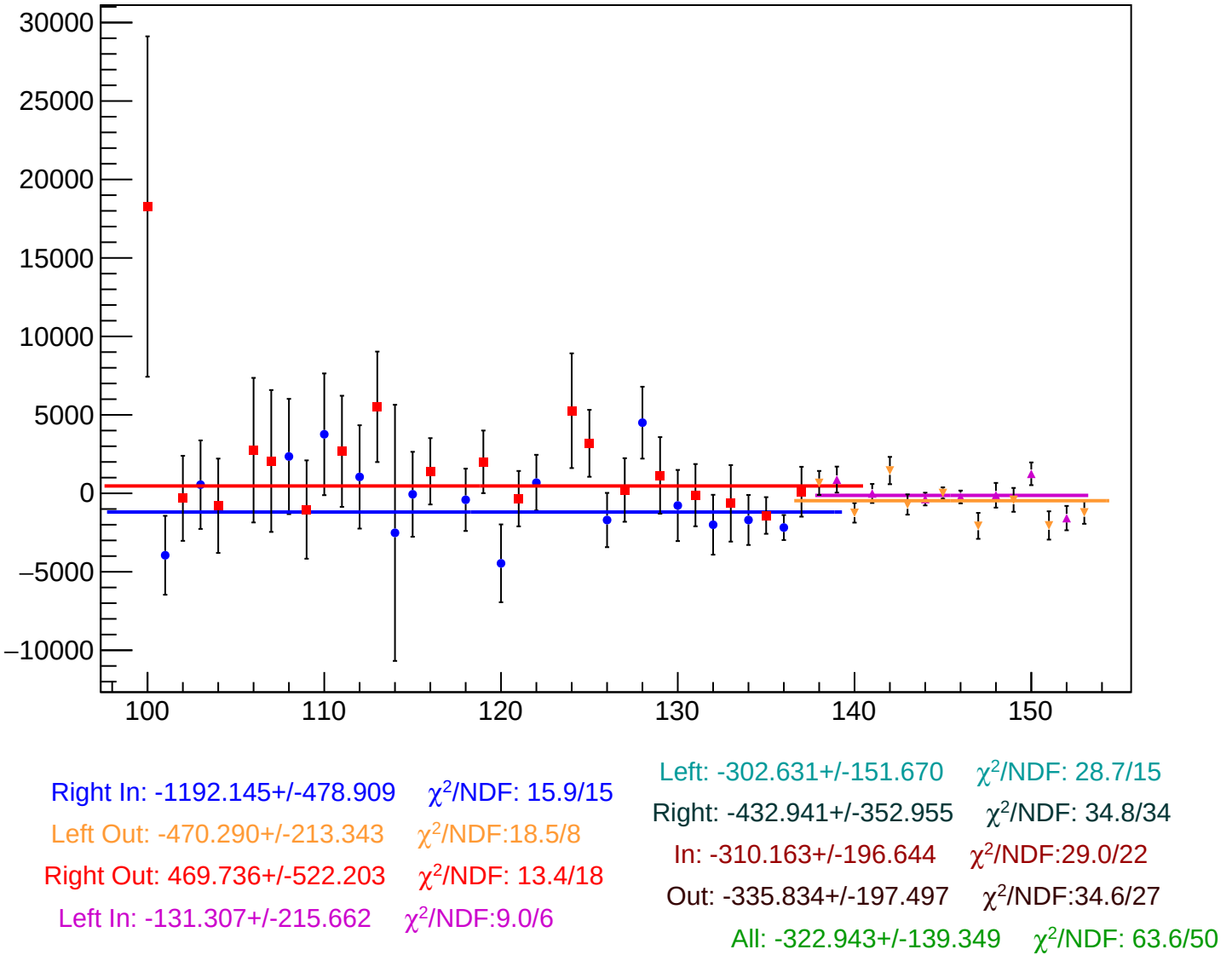
Left: 86.497+/-0.017 χ^2/NDF: 358094.8/15

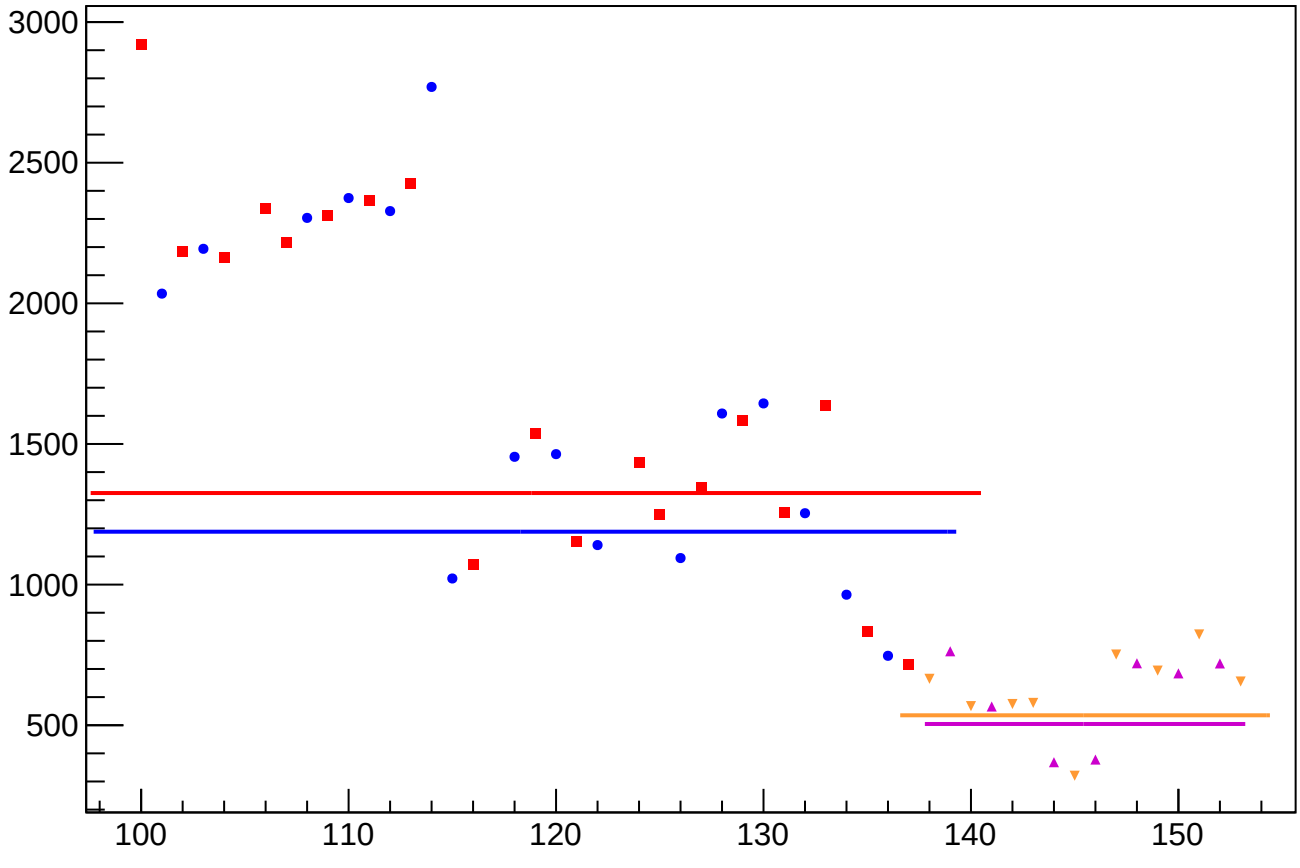
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 98.439+/-0.020 χ^2/NDF:2194106.4/22

Out: 99.471+/-0.019 χ^2/NDF:2528329.3/27

All: 98.969+/-0.014 χ^2/NDF: 4723799.3/50


asym_sam_26_avg_cor_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: -1192.145+/-478.909 χ²/NDF: 15.9/15
Left Out: -470.290+/-213.343 χ²/NDF:18.5/8
Right Out: 469.736+/-522.203 χ²/NDF: 13.4/18
Left In: -131.307+/-215.662 χ²/NDF:9.0/6
Left: -302.631+/-151.670 χ²/NDF: 28.7/15
Right: -432.941+/-352.955 χ²/NDF: 34.8/34
In: -310.163+/-196.644 χ²/NDF:29.0/22
Out: -335.834+/-197.497 χ²/NDF:34.6/27
All: -322.943+/-139.349 χ²/NDF: 63.6/50



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 535.343+/-0.151 χ^2/NDF:1262516.3/8

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 504.433+/-0.152 χ^2/NDF:1061363.1/6

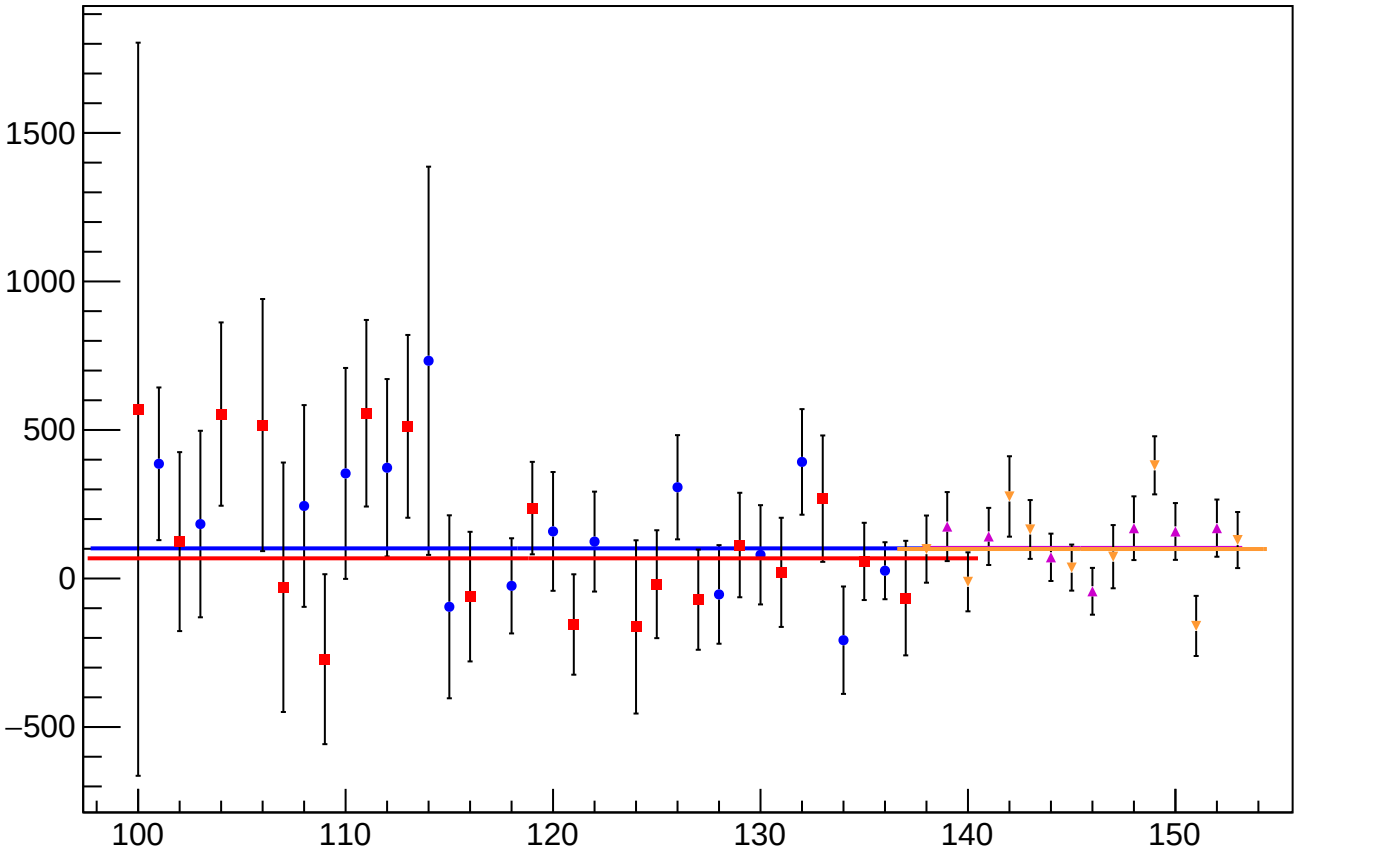
Left: 520.055+/-0.107 χ^2/NDF: 2344644.6/15

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 619.693+/-0.139 χ^2/NDF:6494359.3/22

Out: 648.373+/-0.140 χ^2/NDF:7108242.2/27

All: 633.971+/-0.099 χ^2/NDF: 13623780.4/50



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 99.266+/-33.238 χ^2/NDF:19.0/8

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 102.962+/-35.247 χ^2/NDF:5.3/6

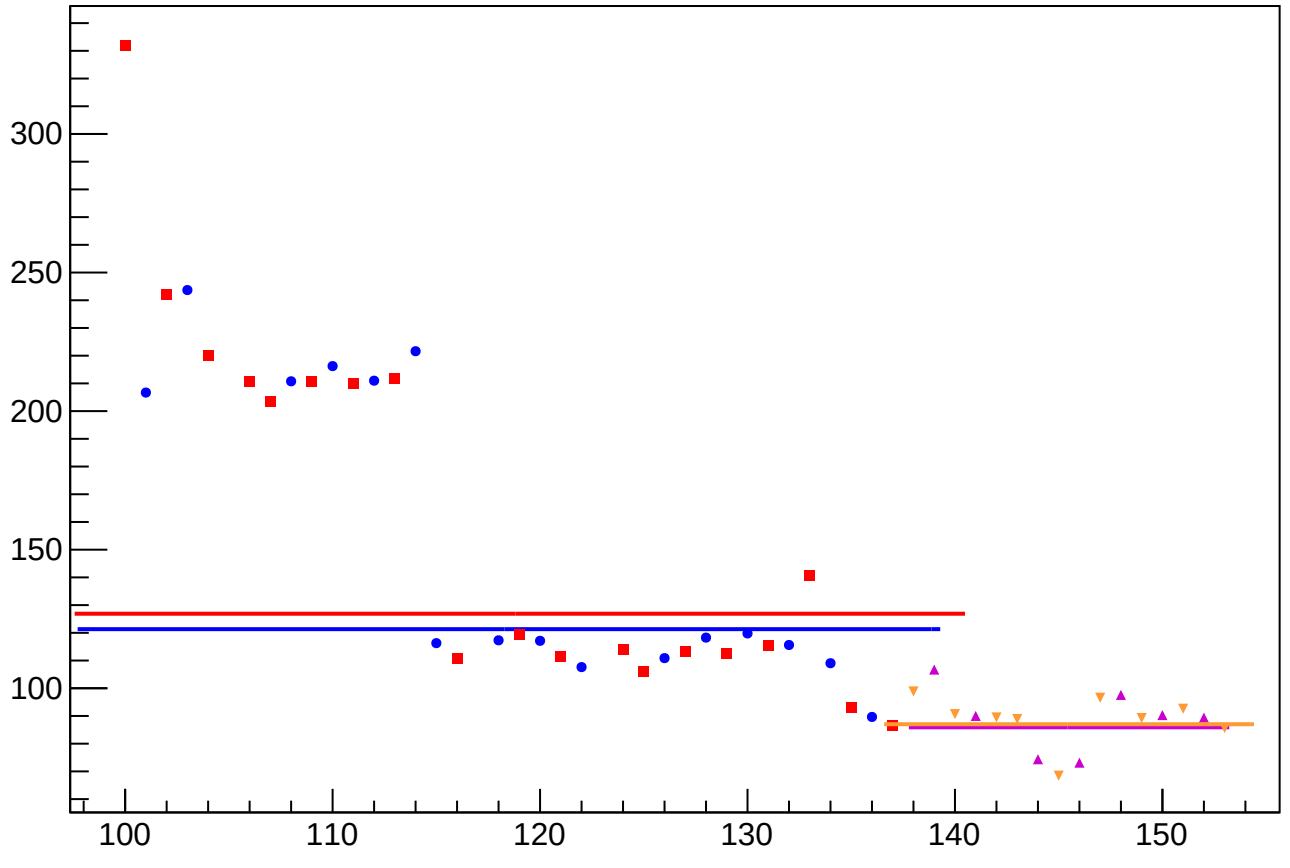
Left: 101.006+/-24.182 χ^2/NDF: 24.4/15

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 102.426+/-28.333 χ^2/NDF:18.7/22

Out: 89.467+/-27.565 χ^2/NDF:35.4/27

All: 95.768+/-19.757 χ^2/NDF: 54.2/50



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 87.022+/-0.024 χ^2/NDF:164190.8/8

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 85.906+/-0.025 χ^2/NDF:192843.1/6

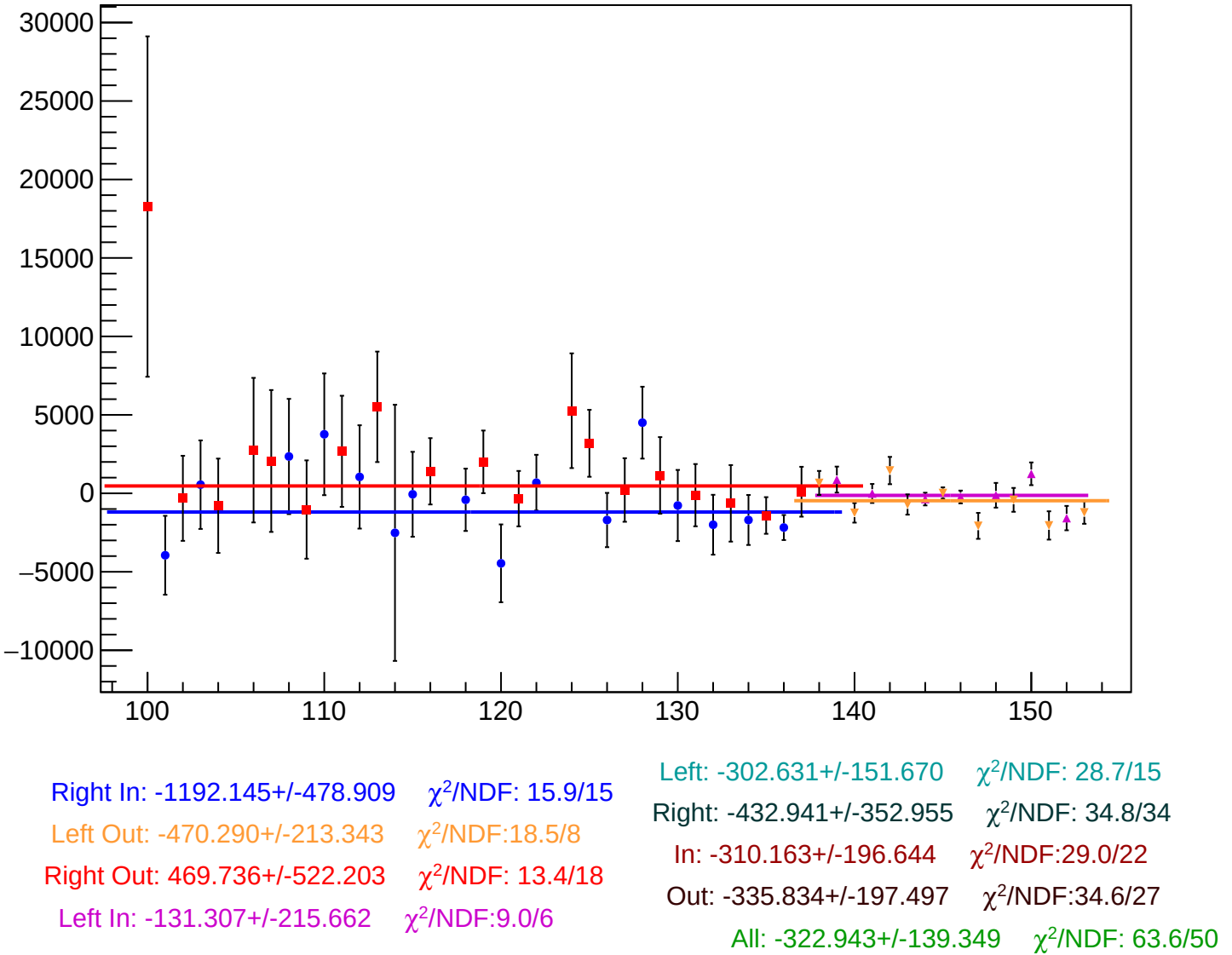
Left: 86.497+/-0.017 χ^2/NDF: 358094.8/15

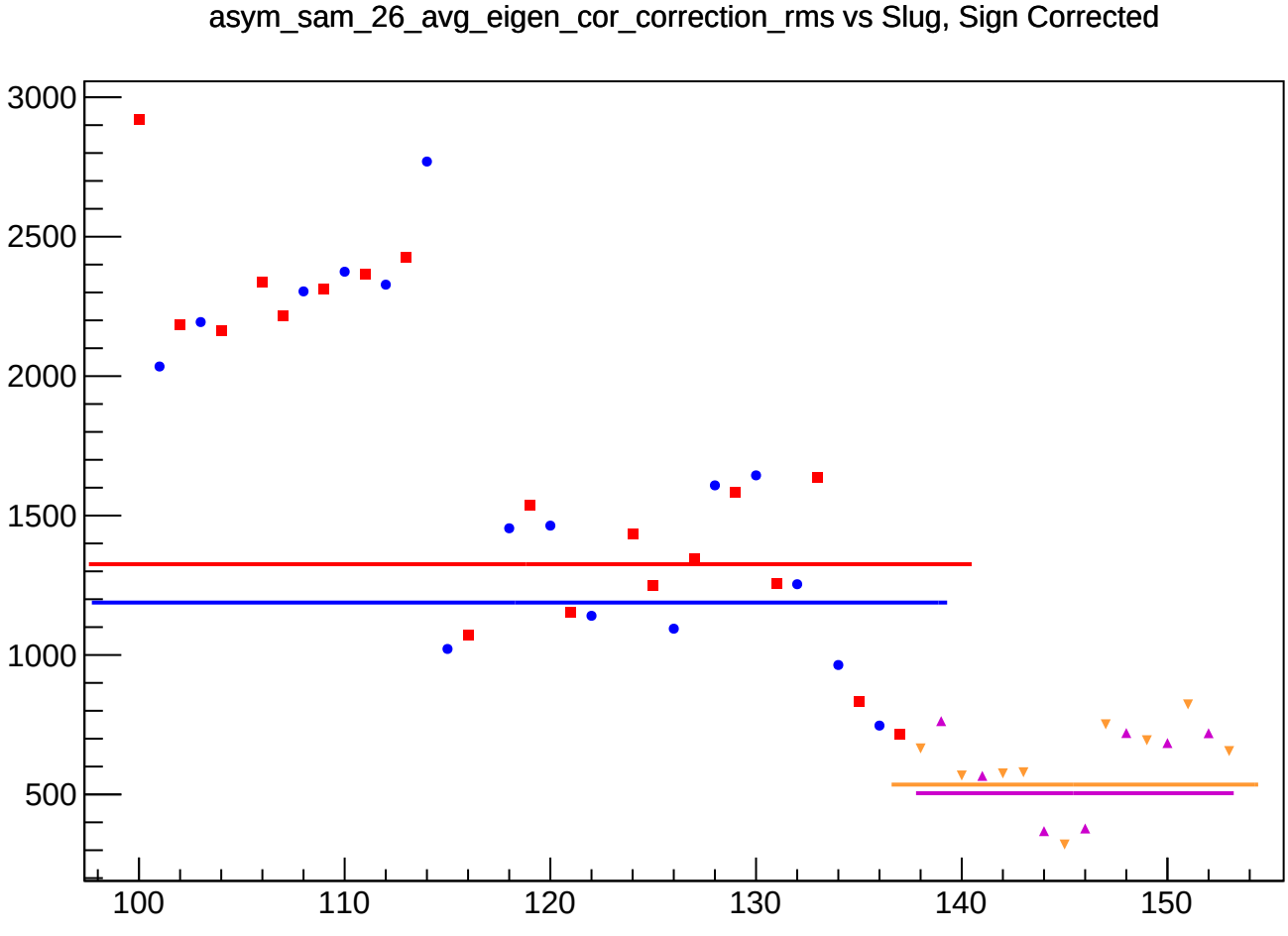
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

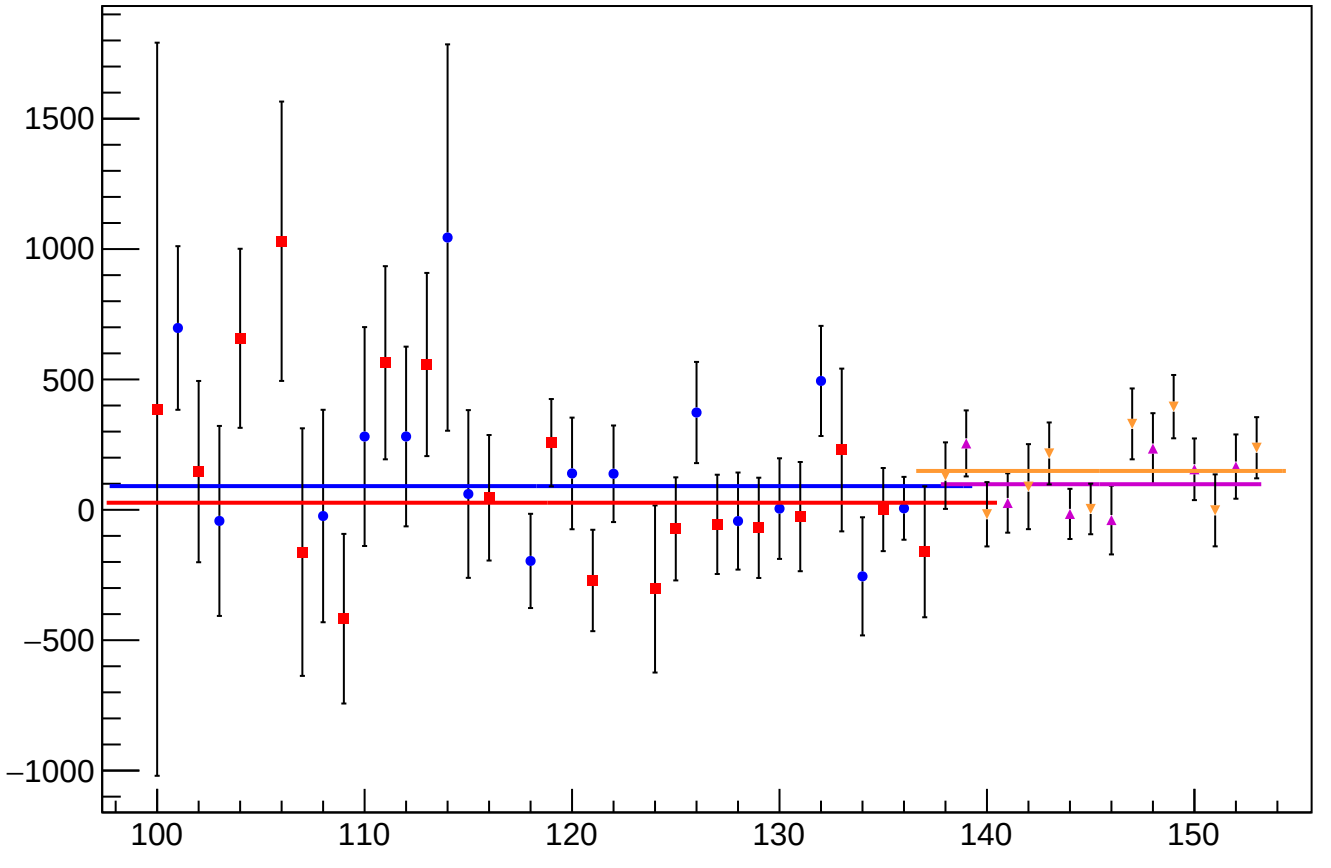
In: 98.439+/-0.020 χ^2/NDF:2194106.4/22

Out: 99.471+/-0.019 χ^2/NDF:2528329.3/27

All: 98.969+/-0.014 χ^2/NDF: 4723799.3/50


asym_sam_26_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: -1192.145+/-478.909 χ²/NDF: 15.9/15
Left Out: -470.290+/-213.343 χ²/NDF:18.5/8
Right Out: 469.736+/-522.203 χ²/NDF: 13.4/18
Left In: -131.307+/-215.662 χ²/NDF:9.0/6
Left: -302.631+/-151.670 χ²/NDF: 28.7/15
Right: -432.941+/-352.955 χ²/NDF: 34.8/34
In: -310.163+/-196.644 χ²/NDF:29.0/22
Out: -335.834+/-197.497 χ²/NDF:34.6/27
All: -322.943+/-139.349 χ²/NDF: 63.6/50


asym_sam_26_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
Right In: 1188.069+/-0.339 χ²/NDF: 2044666.3/15
Left Out: 535.343+/-0.151 χ²/NDF:1262516.3/8
Right Out: 1325.564+/-0.369 χ²/NDF: 1920986.7/18
Left In: 504.433+/-0.152 χ²/NDF:1061363.1/6
Left: 520.055+/-0.107 χ²/NDF: 2344644.6/15
Right: 1250.882+/-0.250 χ²/NDF: 4040963.9/34
In: 619.693+/-0.139 χ²/NDF:6494359.3/22
Out: 648.373+/-0.140 χ²/NDF:7108242.2/27
All: 633.971+/-0.099 χ²/NDF: 13623780.4/50



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 149.077+/-41.206 χ^2/NDF:12.2/8

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 98.188+/-44.875 χ^2/NDF:6.0/6

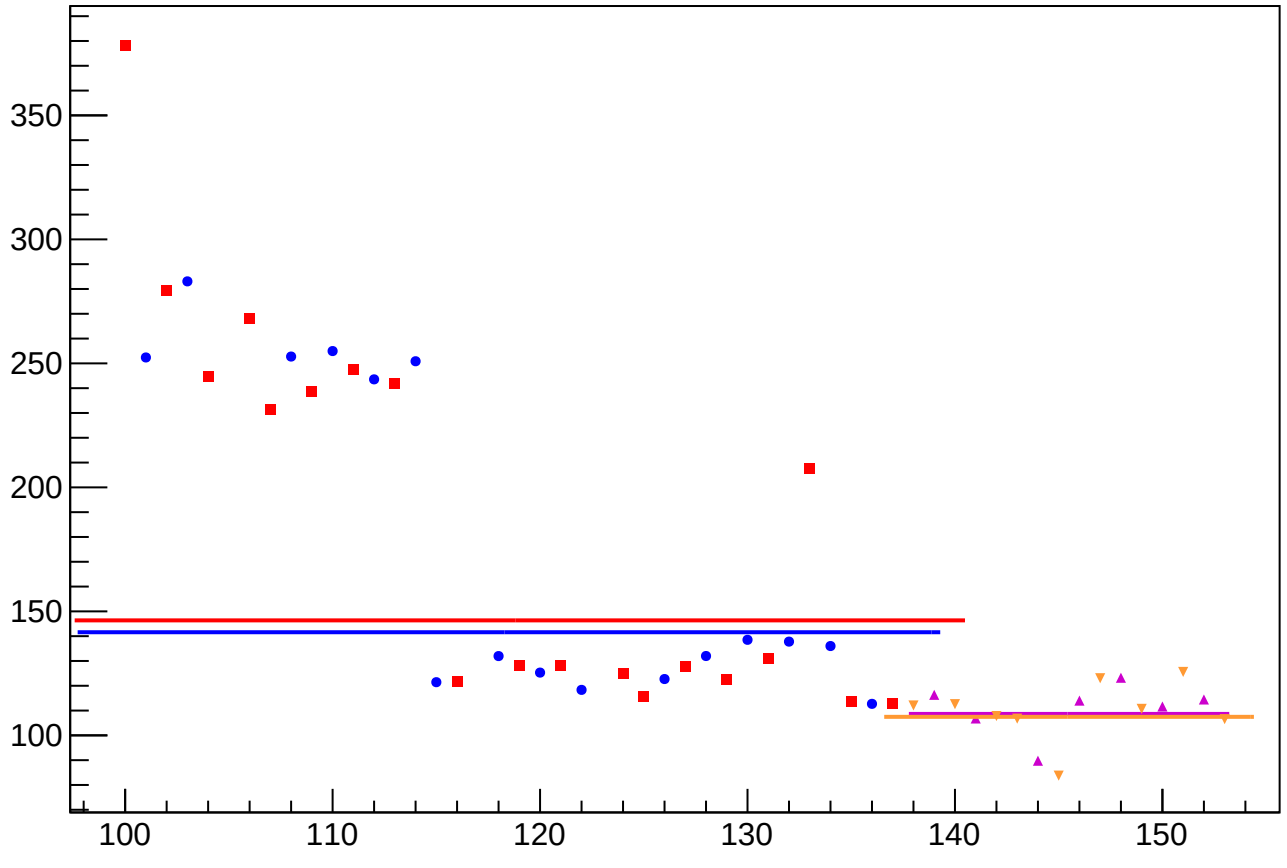
Left: 125.798+/-30.351 χ^2/NDF: 18.9/15

Right: 59.860+/-39.793 χ^2/NDF: 39.3/34

In: 95.314+/-34.911 χ^2/NDF:24.0/22

Out: 107.250+/-33.397 χ^2/NDF:35.8/27

All: 101.547+/-24.133 χ^2/NDF: 59.9/50



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 107.472+/-0.029 χ^2/NDF:187807.6/8

Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 108.647+/-0.032 χ^2/NDF:117045.1/6

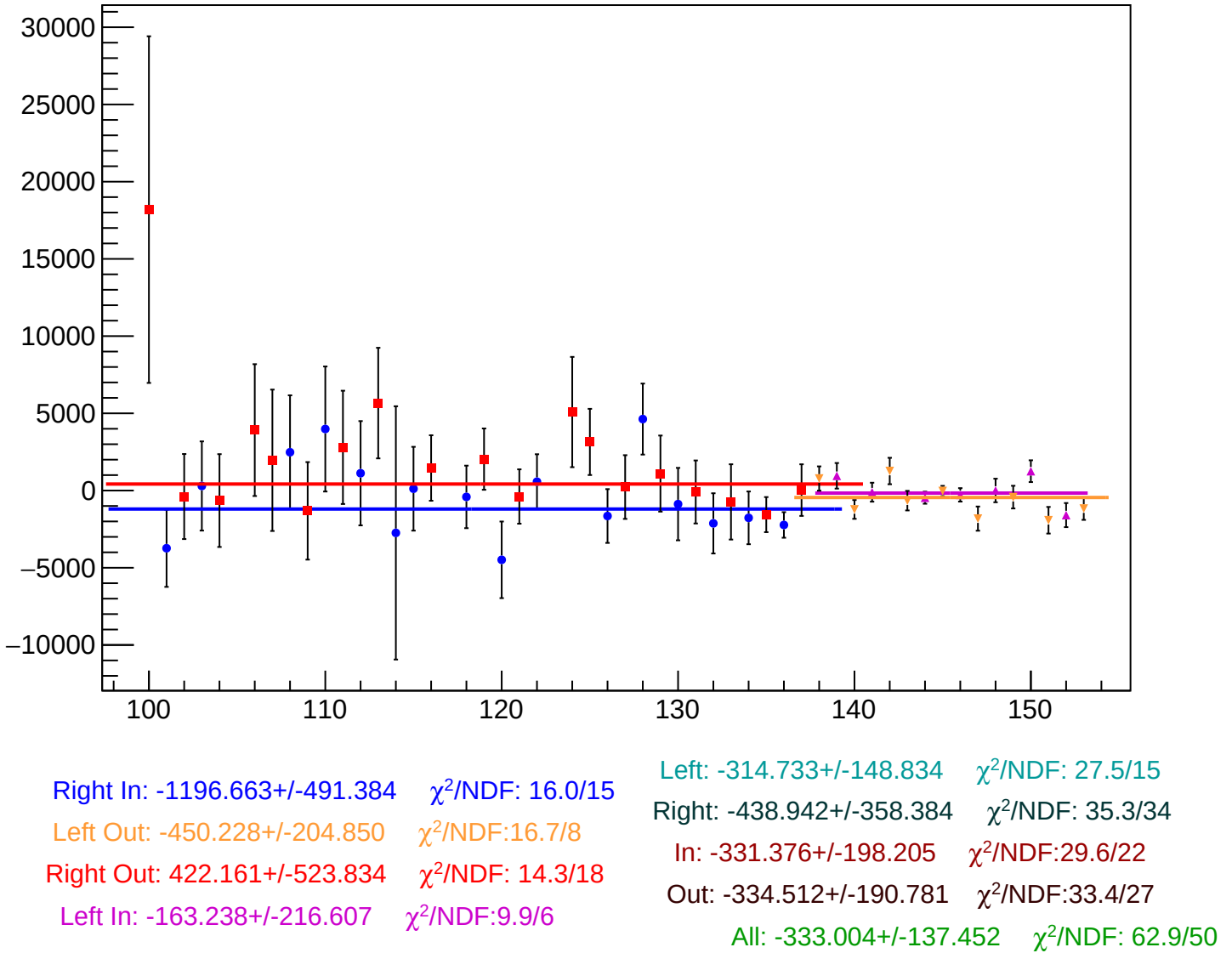
Left: 108.010+/-0.021 χ^2/NDF: 305596.7/15

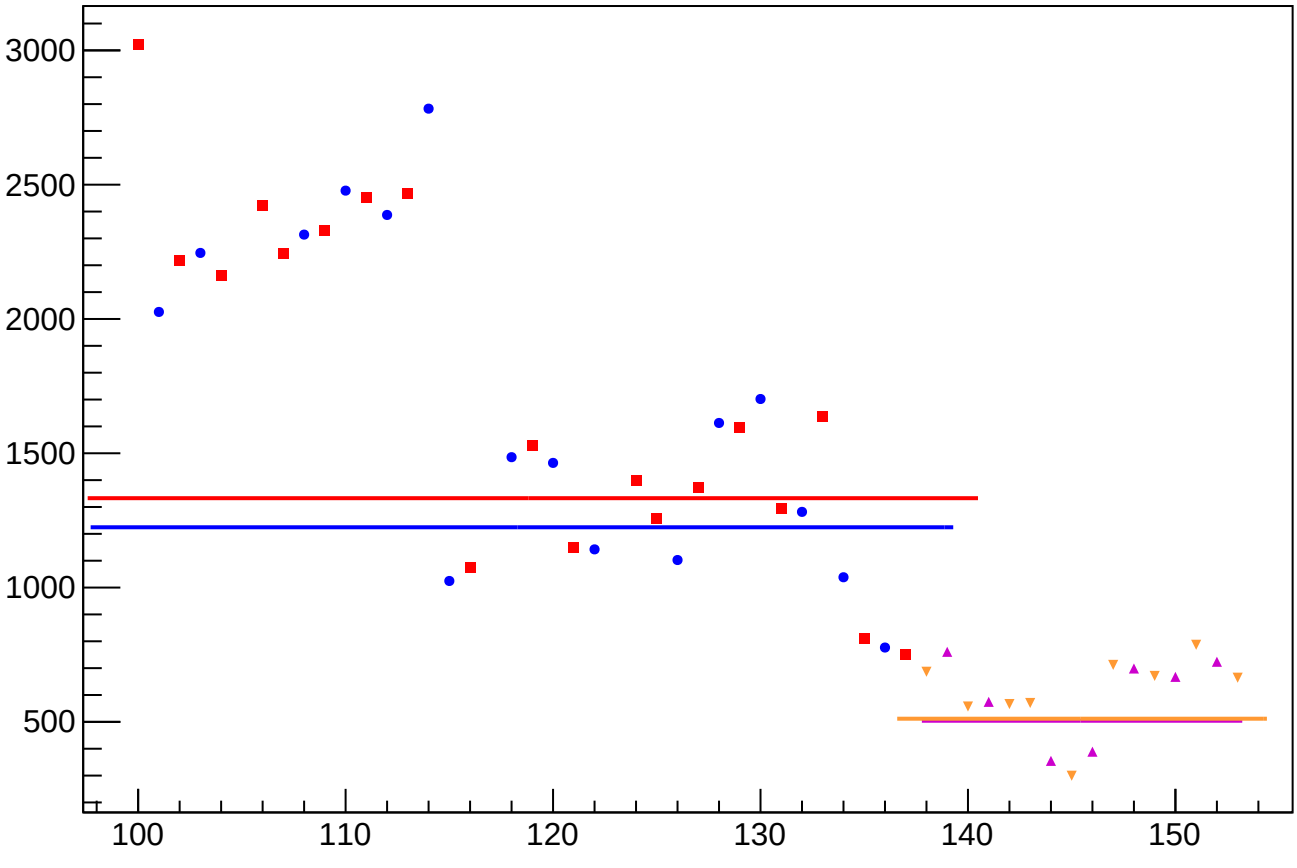
Right: 143.916+/-0.028 χ^2/NDF: 2783239.3/34

In: 121.650+/-0.025 χ^2/NDF:1804793.8/22

Out: 120.818+/-0.024 χ^2/NDF:2312912.6/27

All: 121.216+/-0.017 χ^2/NDF: 4118300.5/50


asym_sam_26_avg_dit_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
Right In: -1196.663+/-491.384 χ²/NDF: 16.0/15
Left Out: -450.228+/-204.850 χ²/NDF:16.7/8
Right Out: 422.161+/-523.834 χ²/NDF: 14.3/18
Left In: -163.238+/-216.607 χ²/NDF:9.9/6
Left: -314.733+/-148.834 χ²/NDF: 27.5/15
Right: -438.942+/-358.384 χ²/NDF: 35.3/34
In: -331.376+/-198.205 χ²/NDF:29.6/22
Out: -334.512+/-190.781 χ²/NDF:33.4/27
All: -333.004+/-137.452 χ²/NDF: 62.9/50



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 511.749+/-0.145 χ^2/NDF:1459289.2/8

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

Left In: 504.199+/-0.153 χ^2/NDF:1046550.6/6

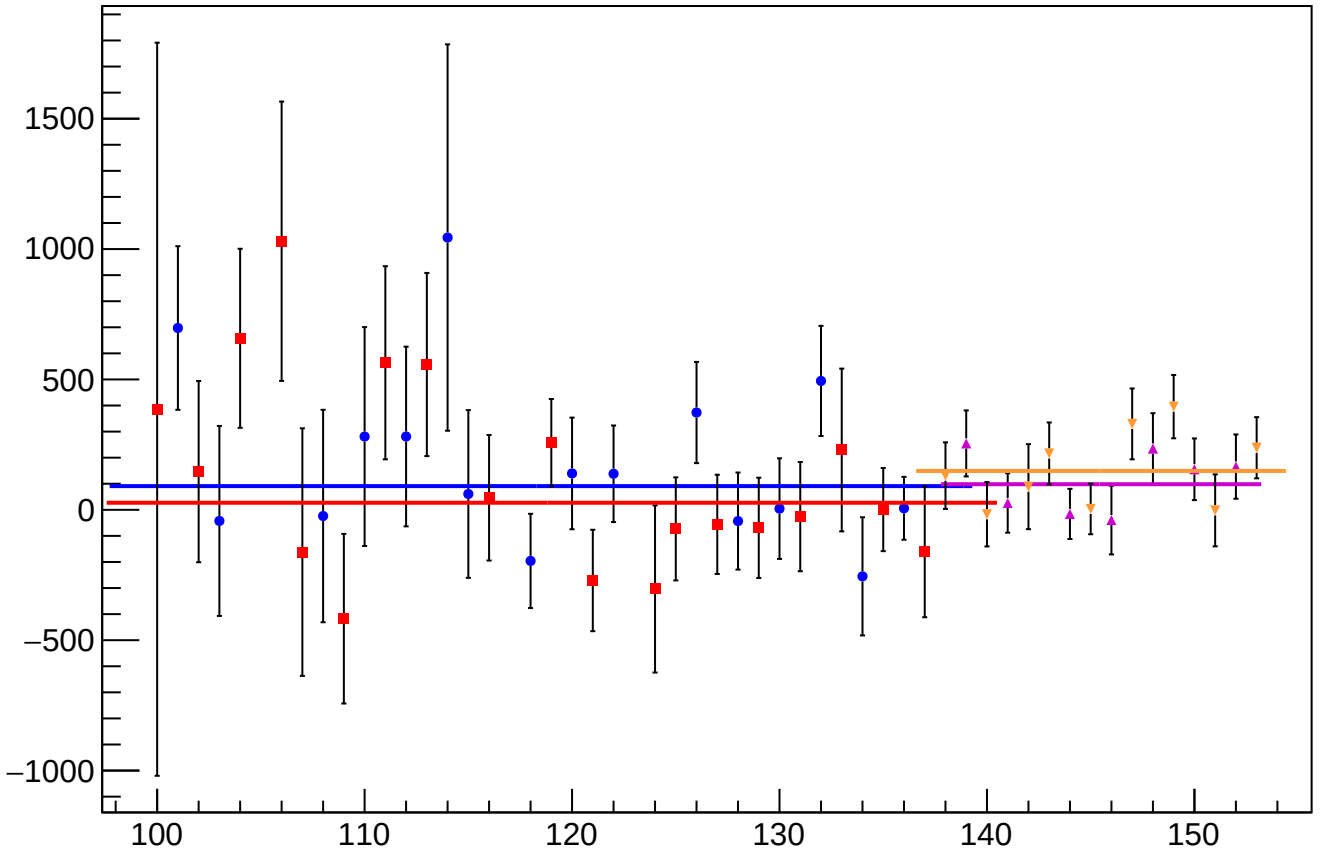
Left: 508.184+/-0.105 χ^2/NDF: 2507122.4/15

Right: 1275.169+/-0.253 χ^2/NDF: 3999659.2/34

In: 621.386+/-0.140 χ^2/NDF:6603918.1/22

Out: 620.653+/-0.135 χ^2/NDF:7715628.7/27

All: 621.006+/-0.097 χ^2/NDF: 14319561.0/50



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 149.076+/-41.206 χ^2/NDF:12.2/8

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 98.187+/-44.875 χ^2/NDF:6.0/6

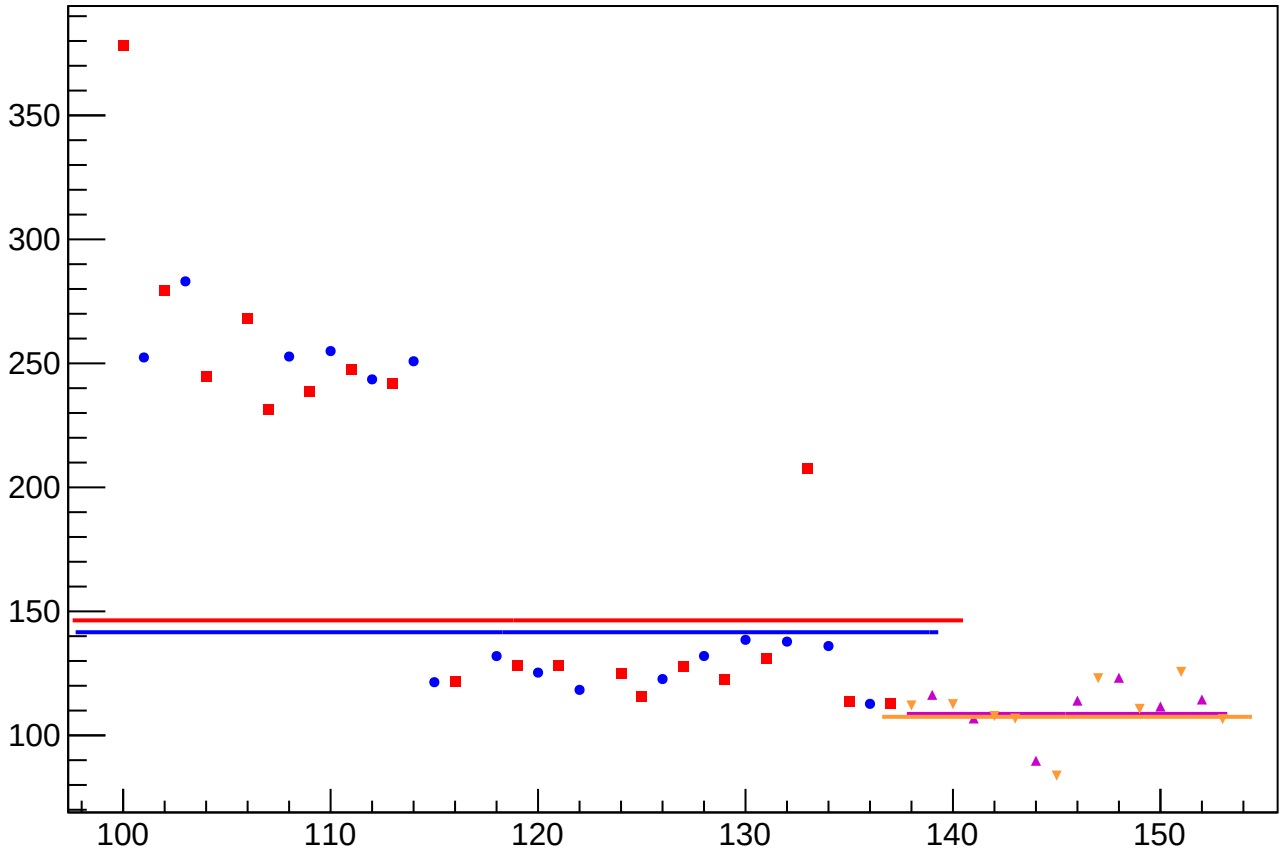
Left: 125.797+/-30.352 χ^2/NDF: 18.9/15

Right: 59.862+/-39.793 χ^2/NDF: 39.3/34

In: 95.314+/-34.911 χ^2/NDF:24.0/22

Out: 107.249+/-33.397 χ^2/NDF:35.8/27

All: 101.546+/-24.133 χ^2/NDF: 59.9/50



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 107.473+/-0.029 χ^2/NDF:187799.9/8

Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 108.648+/-0.032 χ^2/NDF:117042.1/6

Left: 108.010+/-0.021 χ^2/NDF: 305586.1/15

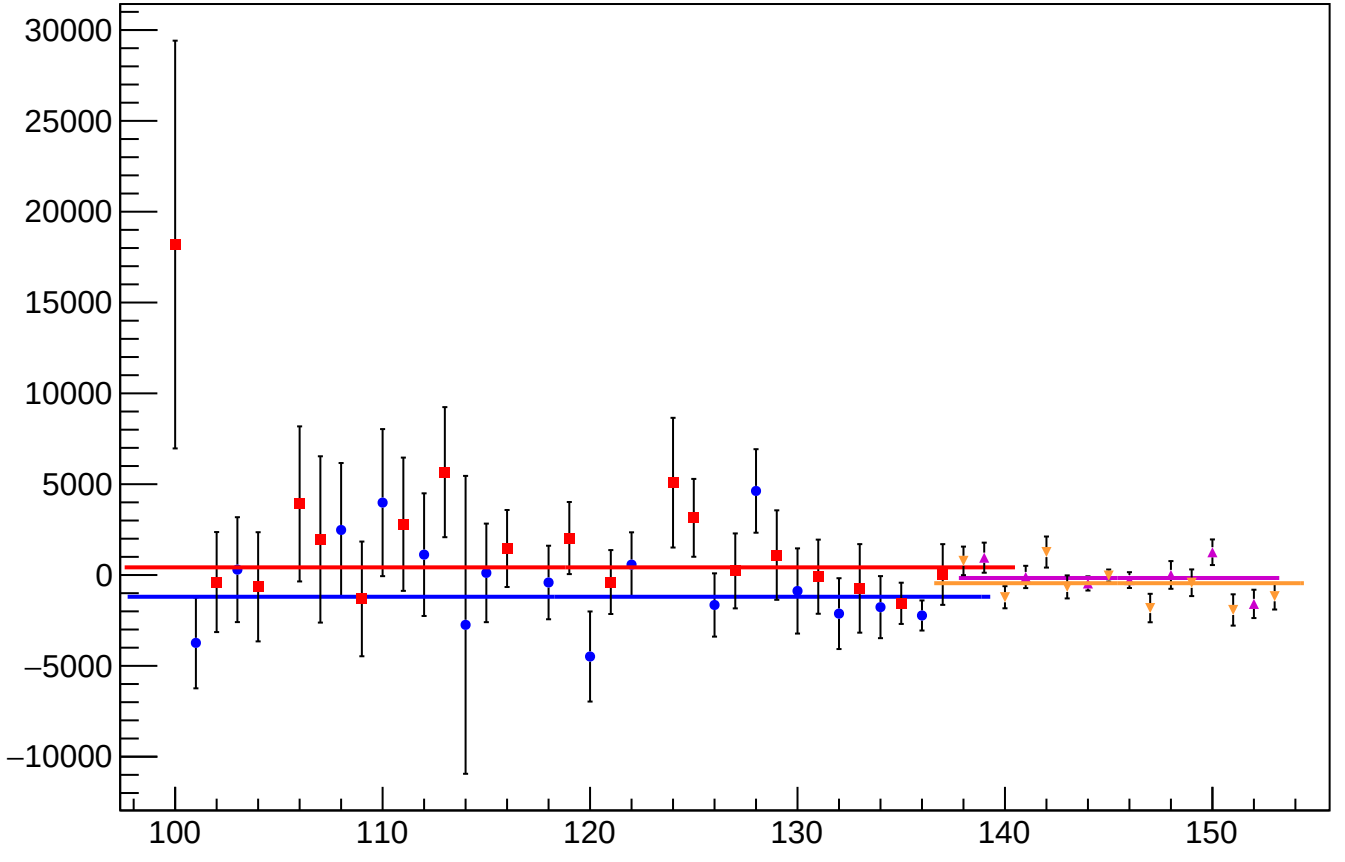
Right: 143.915+/-0.028 χ^2/NDF: 2783209.2/34

In: 121.651+/-0.025 χ^2/NDF:1804744.0/22

Out: 120.818+/-0.024 χ^2/NDF:2312864.9/27

All: 121.216+/-0.017 χ^2/NDF: 4118202.9/50

asym_sam_26_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1196.659+/-491.383 χ^2/NDF: 16.0/15

Left Out: -450.226+/-204.849 χ^2/NDF:16.7/8

Right Out: 422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: -163.238+/-216.607 χ^2/NDF:9.9/6

Left: -314.732+/-148.833 χ^2/NDF: 27.5/15

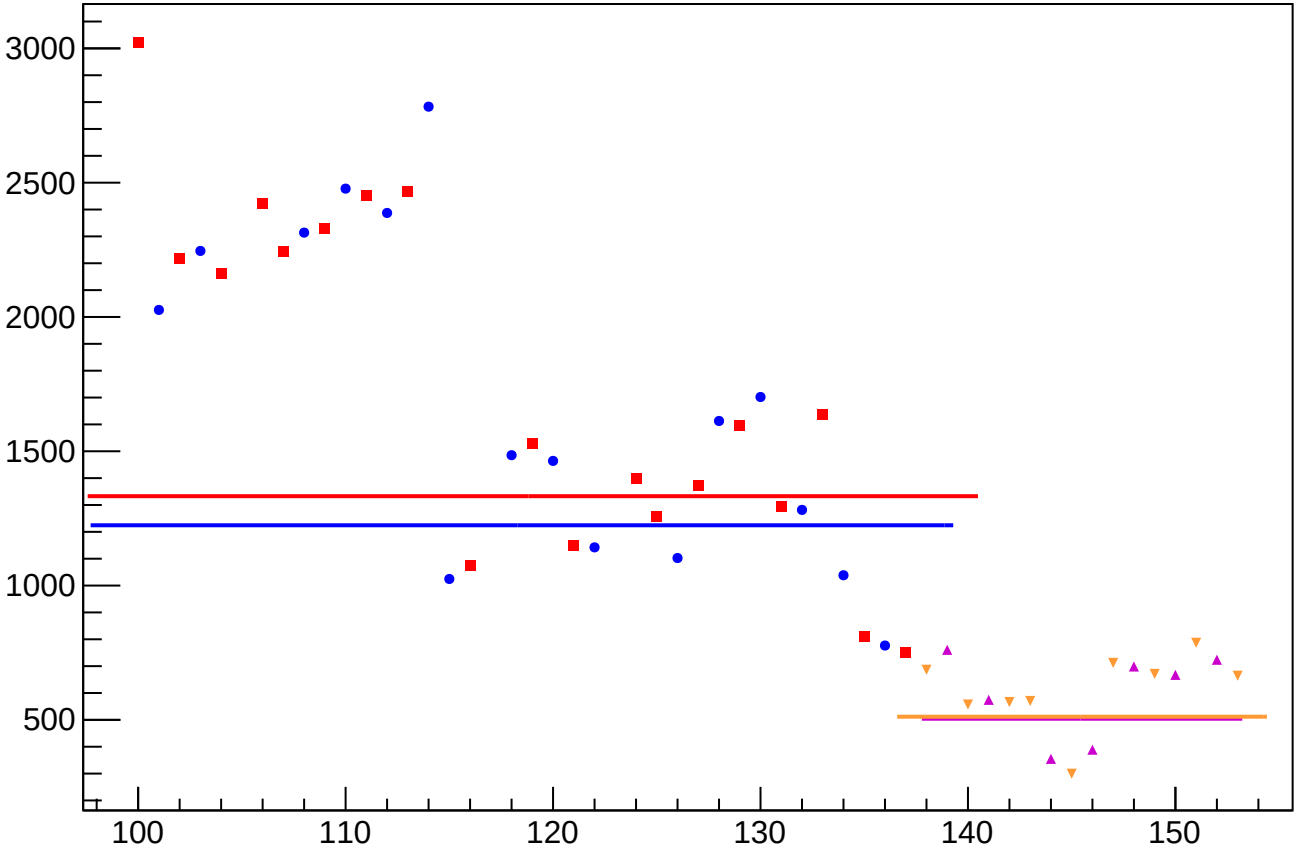
Right: -438.939+/-358.384 χ^2/NDF: 35.3/34

In: -331.374+/-198.204 χ^2/NDF:29.6/22

Out: -334.511+/-190.780 χ^2/NDF:33.4/27

All: -333.002+/-137.452 χ^2/NDF: 62.9/50

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: 511.746+/-0.145 χ^2/NDF:1459324.8/8

Right Out: 1332.784+/-0.370 χ^2/NDF: 1994794.3/18

Left In: 504.197+/-0.153 χ^2/NDF:1046560.9/6

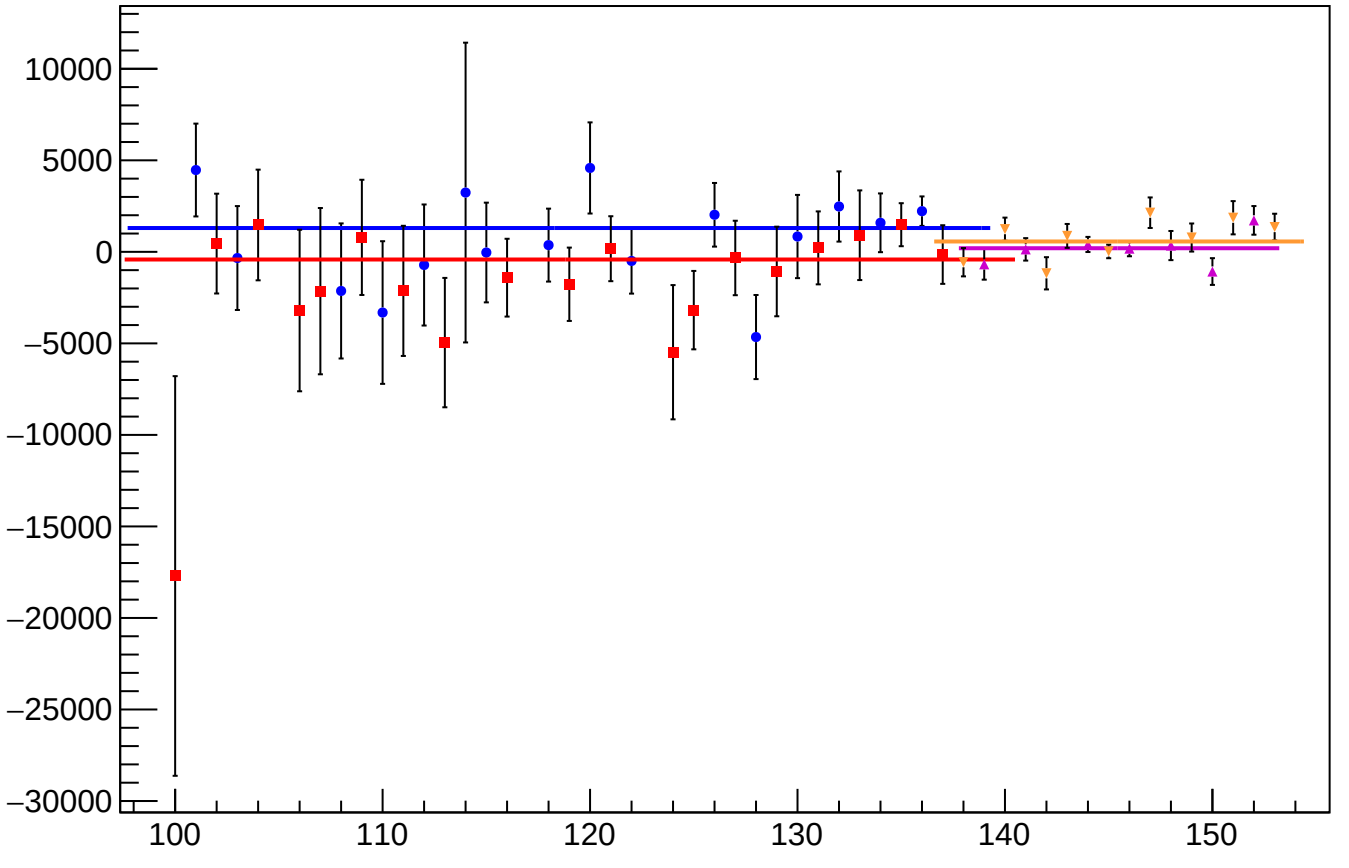
Left: 508.182+/-0.105 χ^2/NDF: 2507167.9/15

Right: 1275.168+/-0.253 χ^2/NDF: 3999620.7/34

In: 621.385+/-0.140 χ^2/NDF:6603925.1/22

Out: 620.650+/-0.135 χ^2/NDF:7715677.1/27

All: 621.004+/-0.097 χ^2/NDF: 14319616.4/50



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 566.703+/-216.568 χ^2/NDF:16.4/8

Right Out: -418.283+/-524.515 χ^2/NDF: 13.0/18

Left In: 197.242+/-219.251 χ^2/NDF:8.2/6

Left: 384.247+/-154.076 χ^2/NDF: 26.0/15

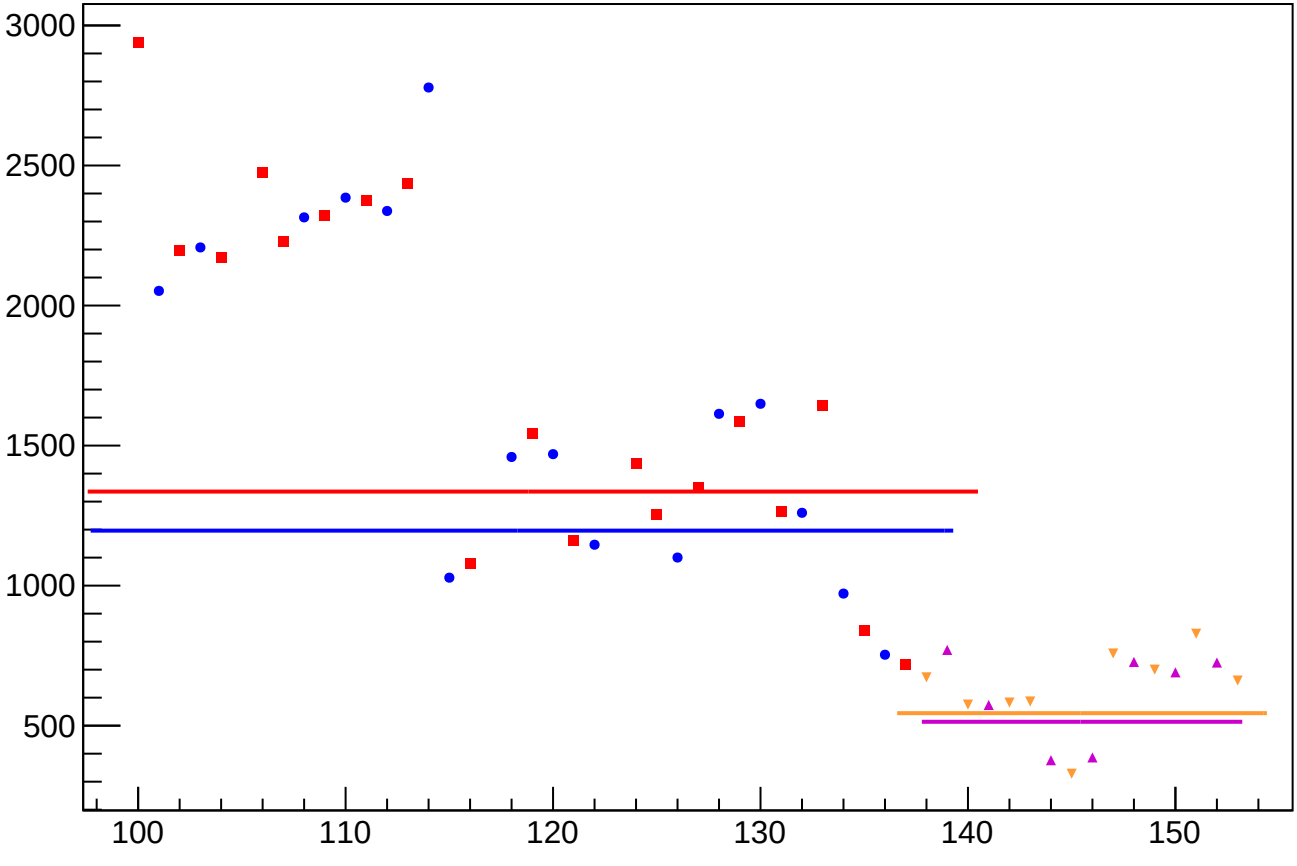
Right: 514.263+/-354.889 χ^2/NDF: 35.3/34

In: 386.604+/-199.571 χ^2/NDF:29.0/22

Out: 423.241+/-200.176 χ^2/NDF:32.4/27

All: 404.867+/-141.331 χ^2/NDF: 61.5/50

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 544.624+/-0.153 χ^2/NDF:1209247.3/8

Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 513.858+/-0.155 χ^2/NDF:1021513.1/6

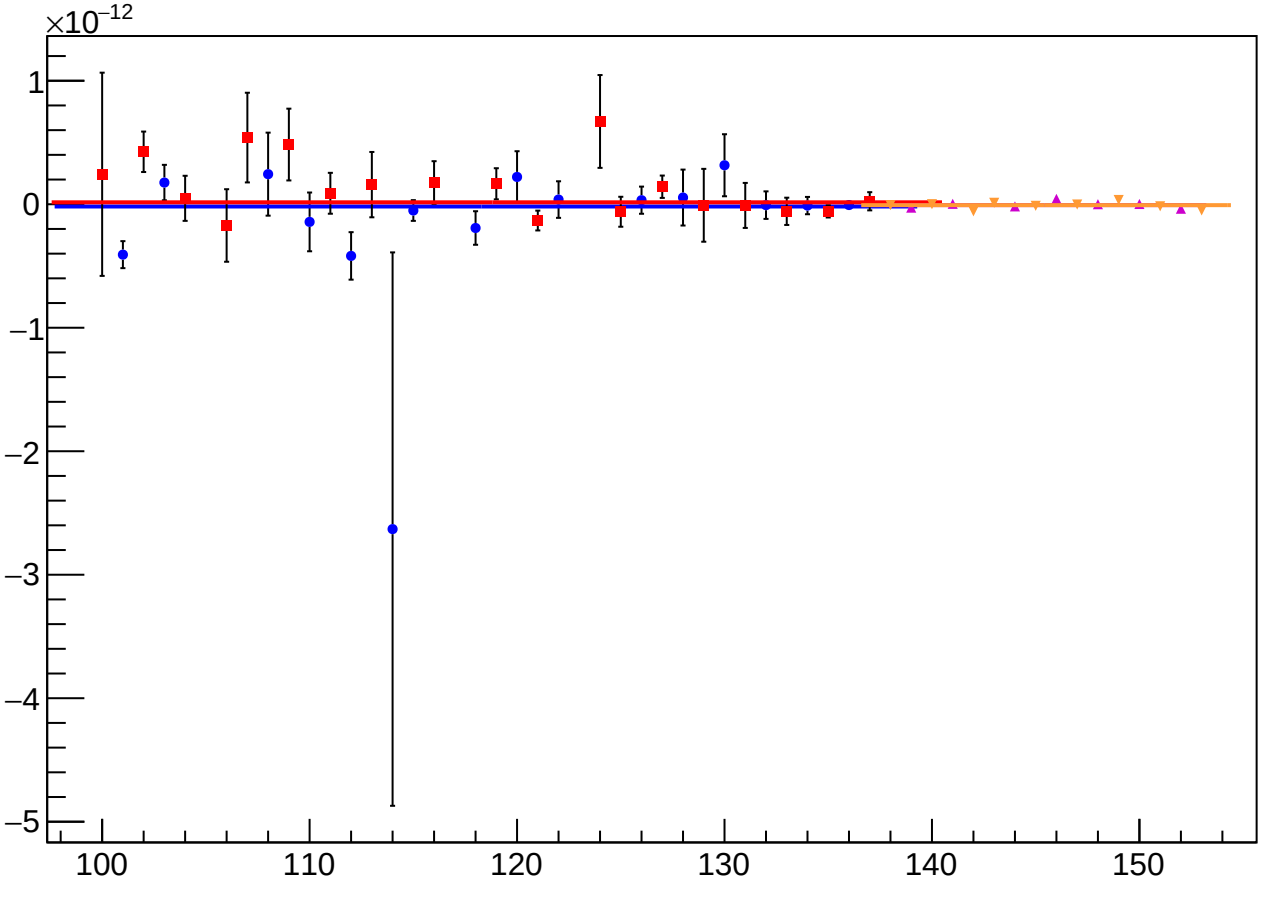
Left: 529.430+/-0.109 χ^2/NDF: 2250694.6/15

Right: 1260.195+/-0.251 χ^2/NDF: 4059839.9/34

In: 630.881+/-0.141 χ^2/NDF:6376149.7/22

Out: 659.860+/-0.142 χ^2/NDF:7048535.6/27

All: 645.327+/-0.100 χ^2/NDF: 13445705.1/50



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.5/8

Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: -0.000+/-0.000 χ^2/NDF:10.8/6

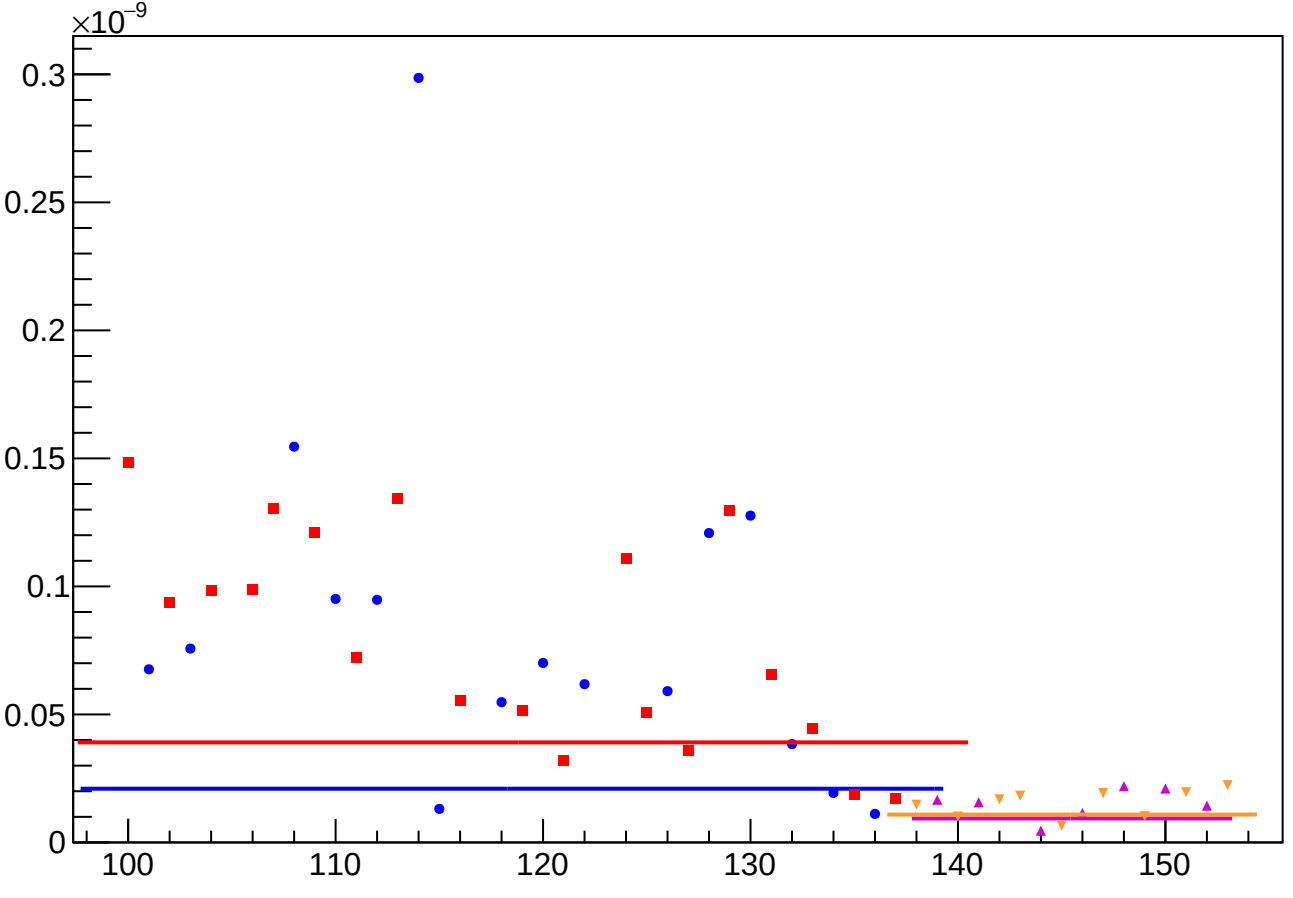
Left: -0.000+/-0.000 χ^2/NDF: 18.3/15

Right: -0.000+/-0.000 χ^2/NDF: 53.5/34

In: -0.000+/-0.000 χ^2/NDF:37.9/22

Out: -0.000+/-0.000 χ^2/NDF:33.8/27

All: -0.000+/-0.000 χ^2/NDF: 71.8/50



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1022642.9/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1343966.3/6

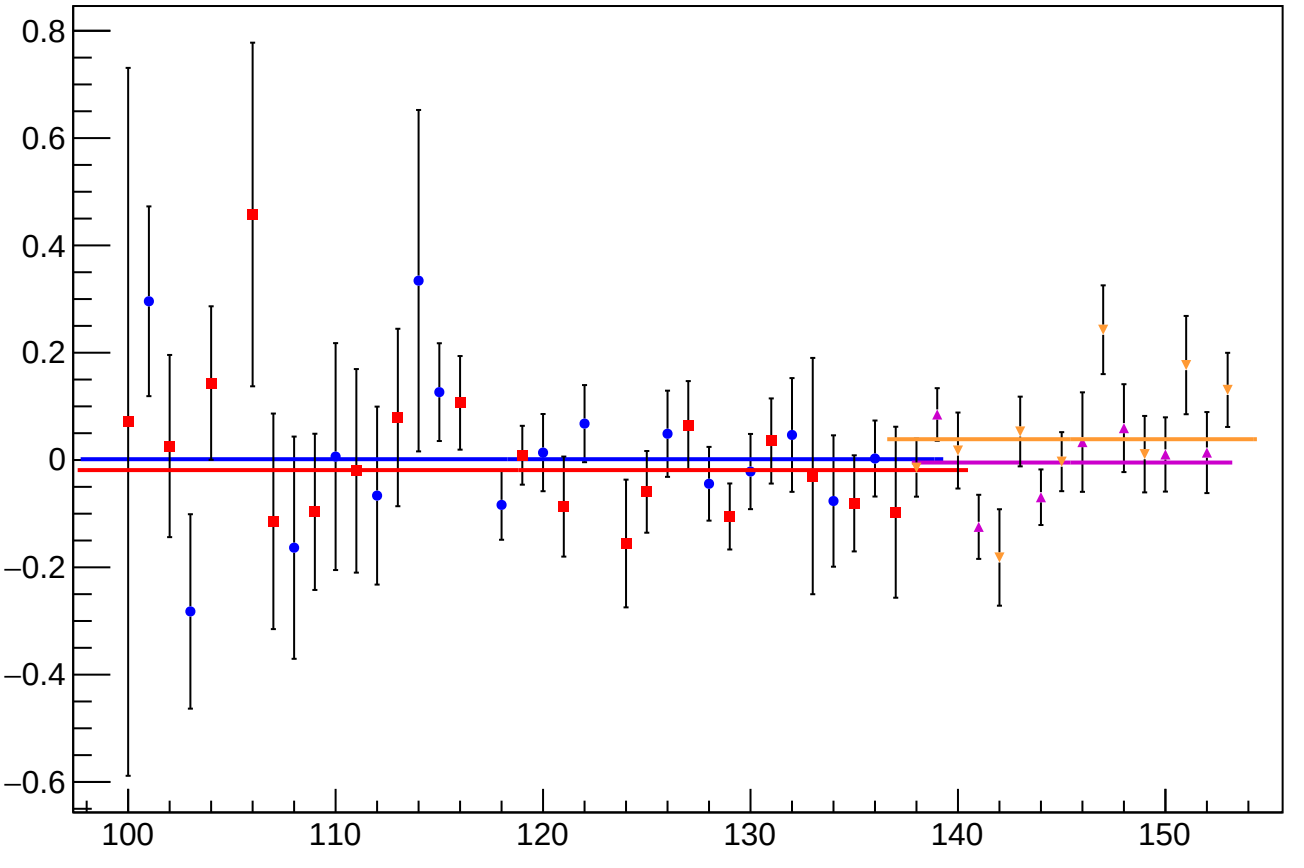
Left: 0.000+/-0.000 χ^2/NDF: 2412595.3/15

Right: 0.000+/-0.000 χ^2/NDF: 6062420.5/34

In: 0.000+/-0.000 χ^2/NDF:5457992.3/22

Out: 0.000+/-0.000 χ^2/NDF:5054356.5/27

All: 0.000+/-0.000 χ^2/NDF: 10574199.7/50



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.039+/-0.023 χ^2/NDF:18.0/8

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.005+/-0.024 χ^2/NDF:9.8/6

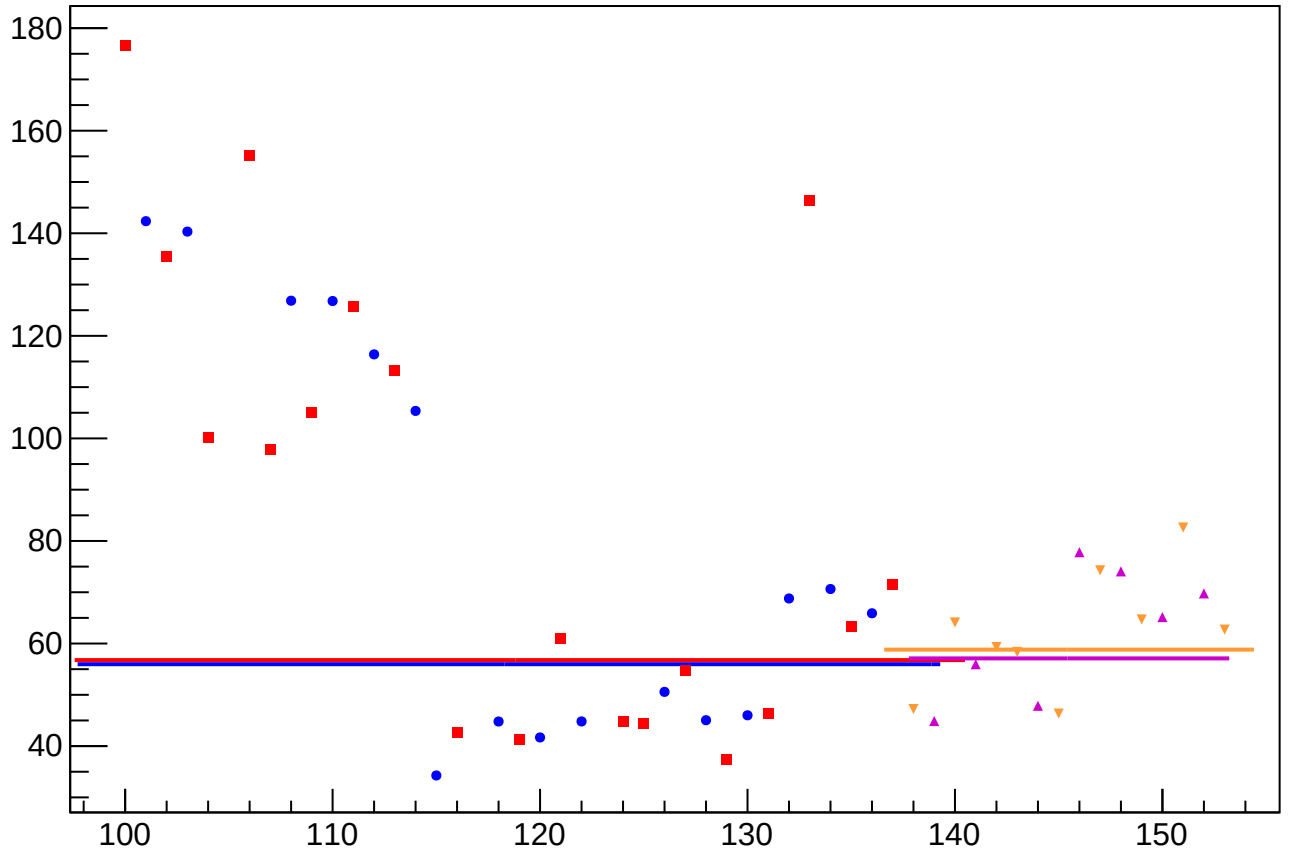
Left: 0.018+/-0.017 χ^2/NDF: 29.5/15

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.001+/-0.017 χ^2/NDF:22.9/22

Out: 0.011+/-0.016 χ^2/NDF:34.1/27

All: 0.005+/-0.012 χ^2/NDF: 57.3/50



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 58.812+/-0.016 χ^2/NDF:430937.4/8

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 57.102+/-0.017 χ^2/NDF:457393.6/6

Left: 58.001+/-0.012 χ^2/NDF: 893615.5/15

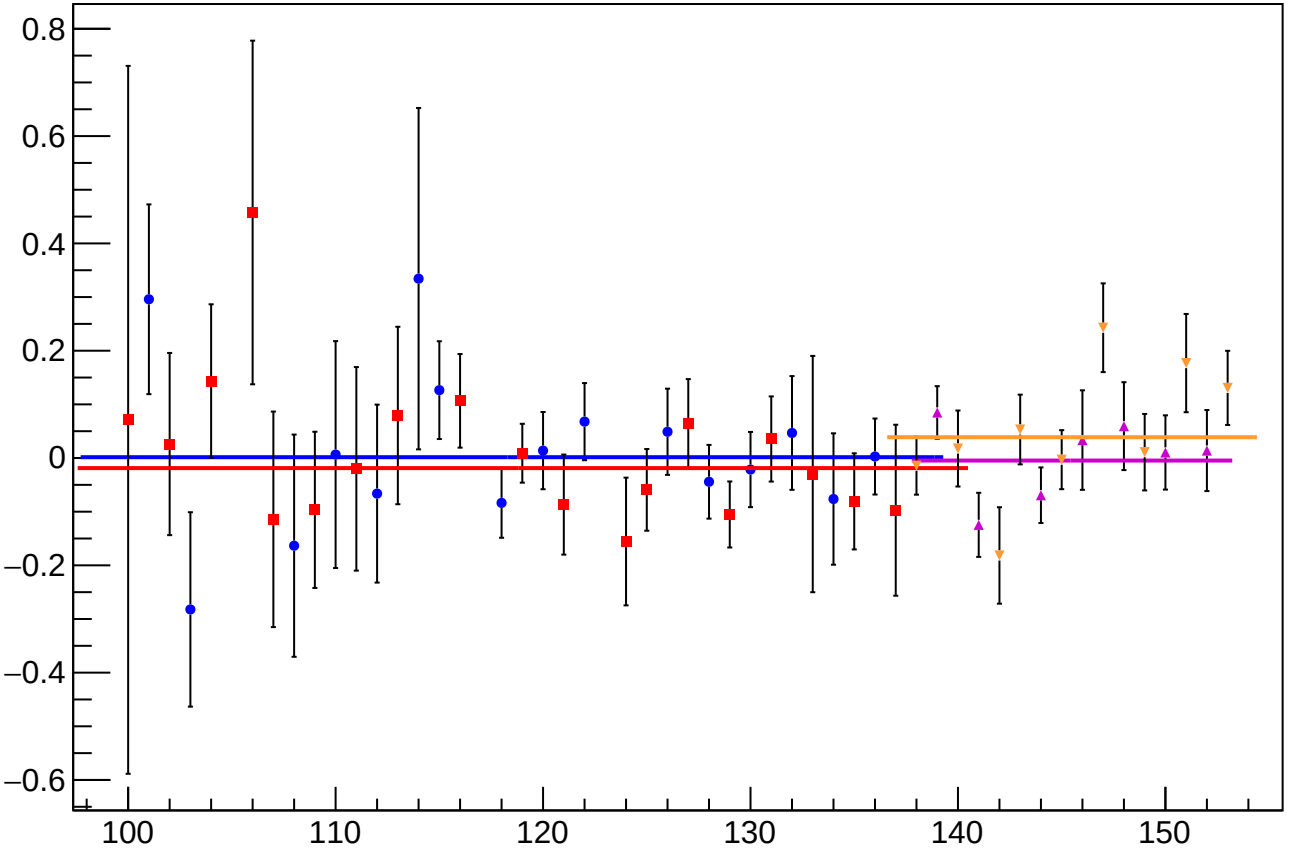
Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 56.518+/-0.012 χ^2/NDF:2639497.4/22

Out: 57.818+/-0.012 χ^2/NDF:2991896.0/27

All: 57.183+/-0.008 χ^2/NDF: 5637514.9/50

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: 0.039+/-0.023 χ^2/NDF:18.0/8

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.005+/-0.024 χ^2/NDF:9.8/6

Left: 0.018+/-0.017 χ^2/NDF: 29.5/15

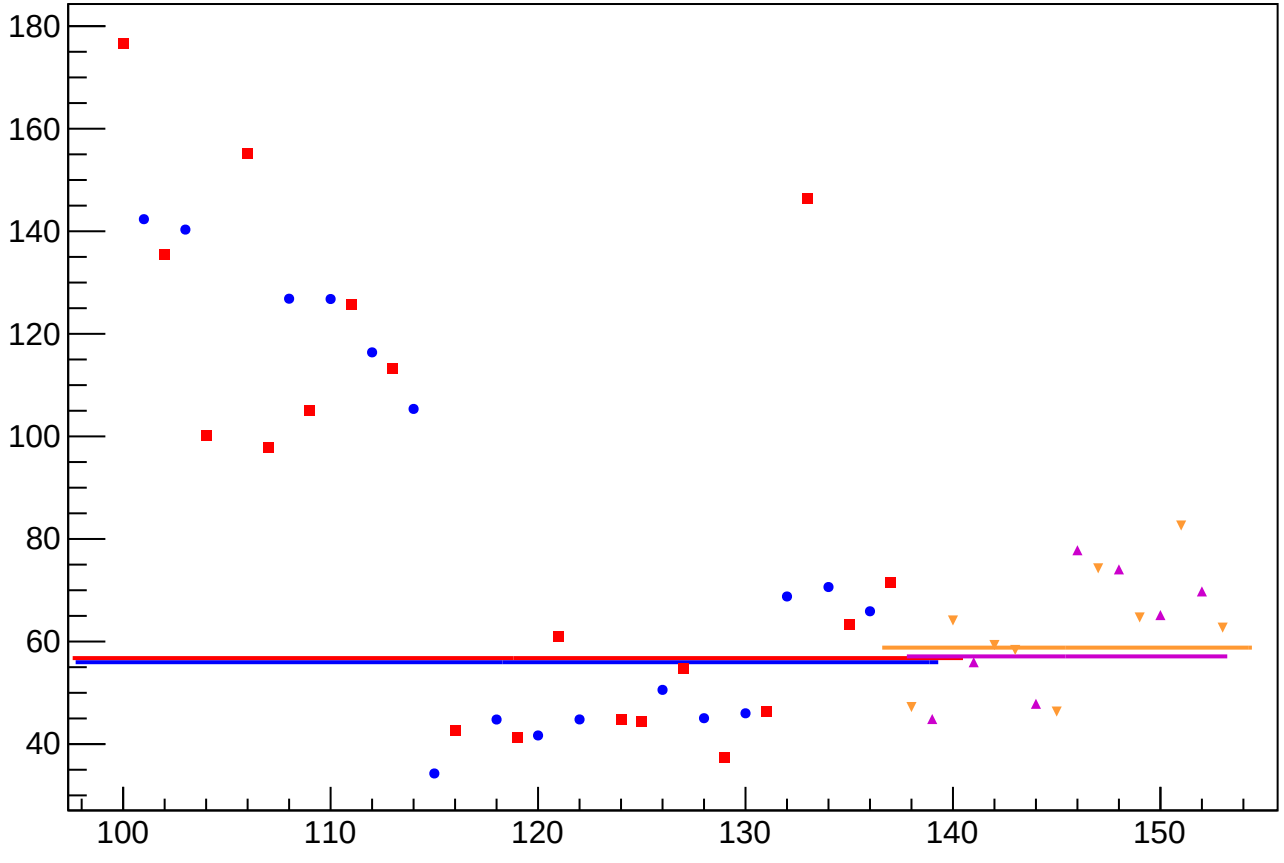
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.001+/-0.017 χ^2/NDF:22.9/22

Out: 0.011+/-0.016 χ^2/NDF:34.1/27

All: 0.005+/-0.012 χ^2/NDF: 57.3/50

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: 58.812+/-0.016 χ^2/NDF:430937.4/8

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 57.102+/-0.017 χ^2/NDF:457393.6/6

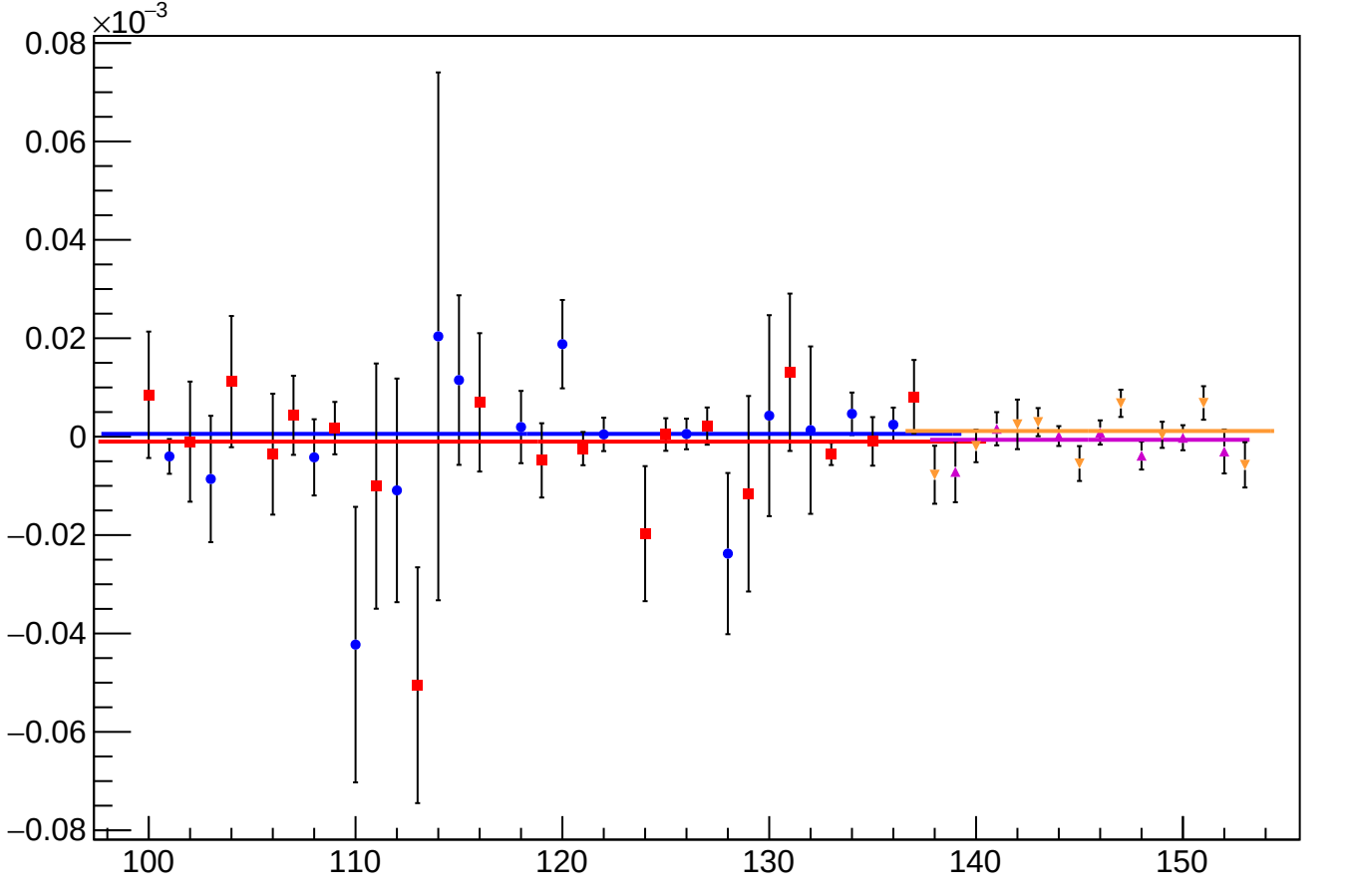
Left: 58.001+/-0.012 χ^2/NDF: 893615.5/15

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 56.518+/-0.012 χ^2/NDF:2639497.4/22

Out: 57.818+/-0.012 χ^2/NDF:2991896.0/27

All: 57.183+/-0.008 χ^2/NDF: 5637514.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.3/8

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:3.7/6

Left: 0.000+/-0.000 χ^2/NDF: 21.3/15

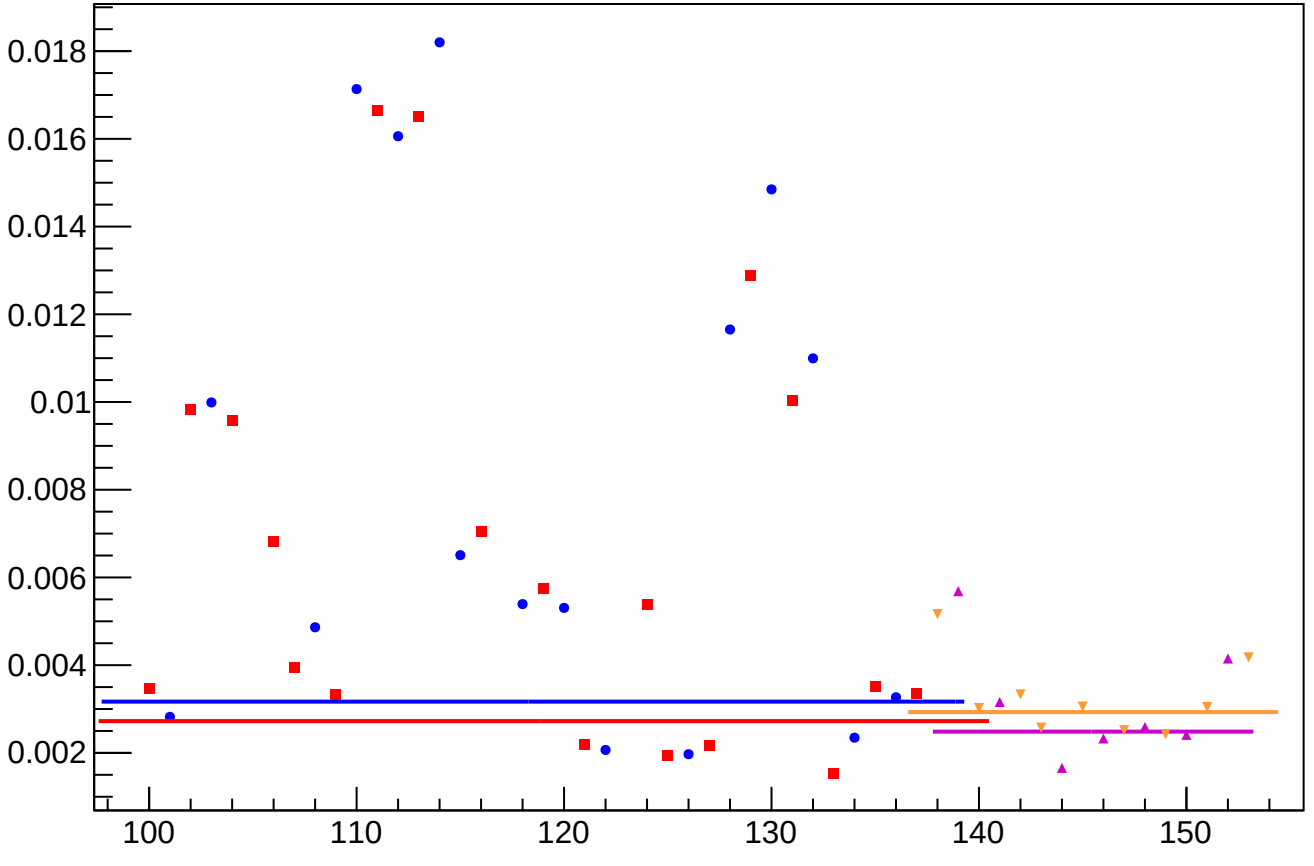
Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:17.4/22

Out: 0.000+/-0.000 χ^2/NDF:31.7/27

All: -0.000+/-0.000 χ^2/NDF: 49.2/50

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4545616.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:600007.0/8

Right Out: 0.003+/-0.000 χ^2/NDF: 5153213.6/18

Left In: 0.002+/-0.000 χ^2/NDF:1243271.3/6

Left: 0.003+/-0.000 χ^2/NDF: 2002980.0/15

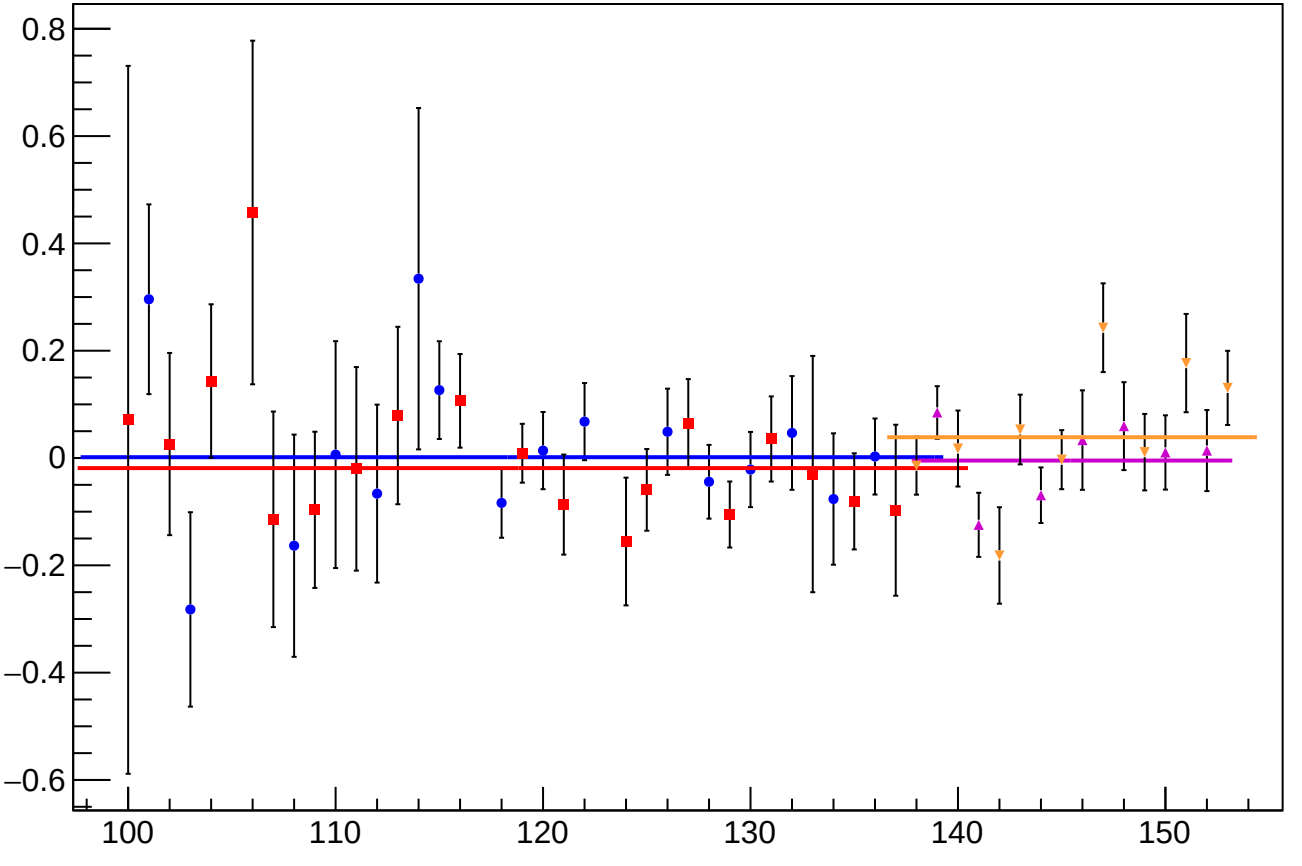
Right: 0.003+/-0.000 χ^2/NDF: 9804761.7/34

In: 0.003+/-0.000 χ^2/NDF:6074872.9/22

Out: 0.003+/-0.000 χ^2/NDF:5781923.1/27

All: 0.003+/-0.000 χ^2/NDF: 11872642.4/50

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.039+/-0.023 χ^2/NDF:18.0/8

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.005+/-0.024 χ^2/NDF:9.8/6

Left: 0.018+/-0.017 χ^2/NDF: 29.5/15

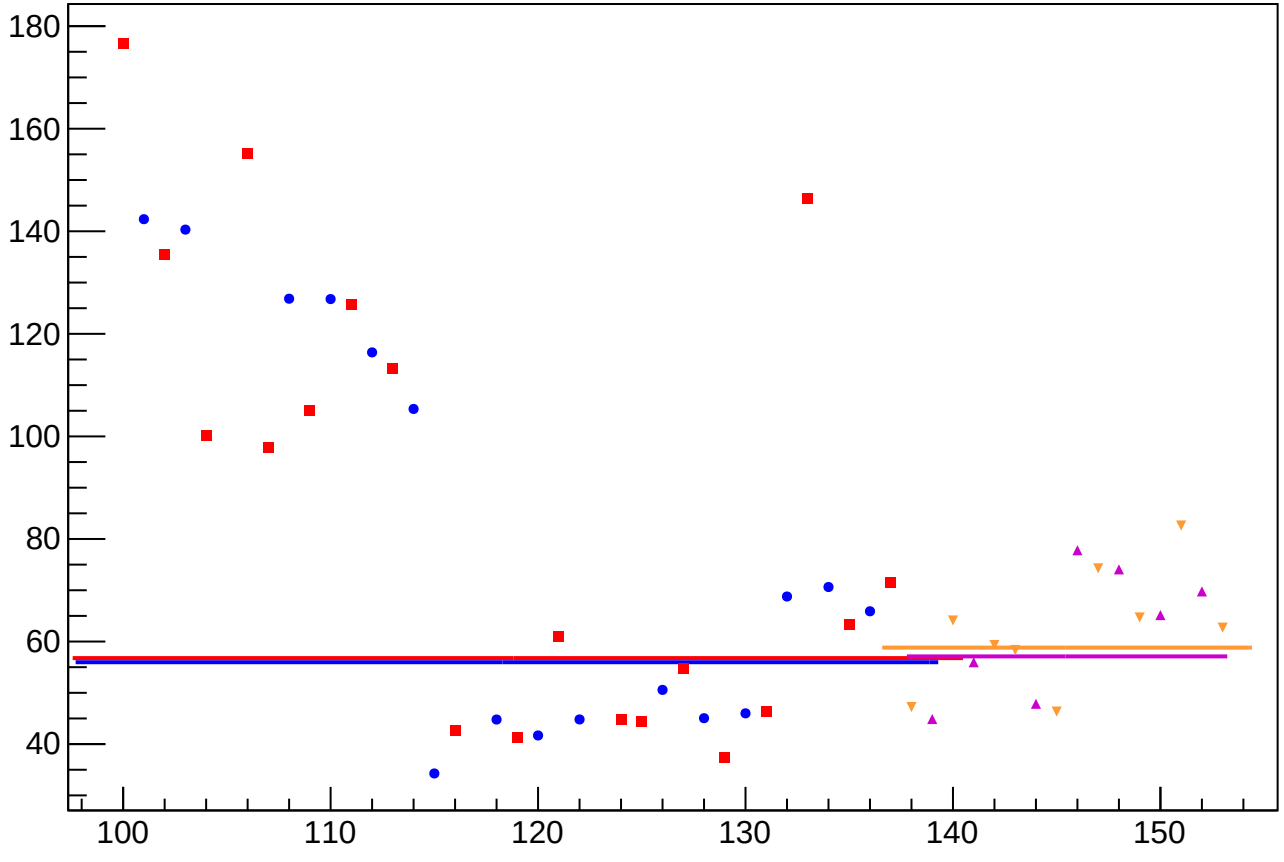
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.001+/-0.017 χ^2/NDF:22.9/22

Out: 0.011+/-0.016 χ^2/NDF:34.1/27

All: 0.005+/-0.012 χ^2/NDF: 57.3/50

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: 58.813+/-0.016 χ^2/NDF:430932.0/8

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 57.103+/-0.017 χ^2/NDF:457387.0/6

Left: 58.002+/-0.012 χ^2/NDF: 893602.7/15

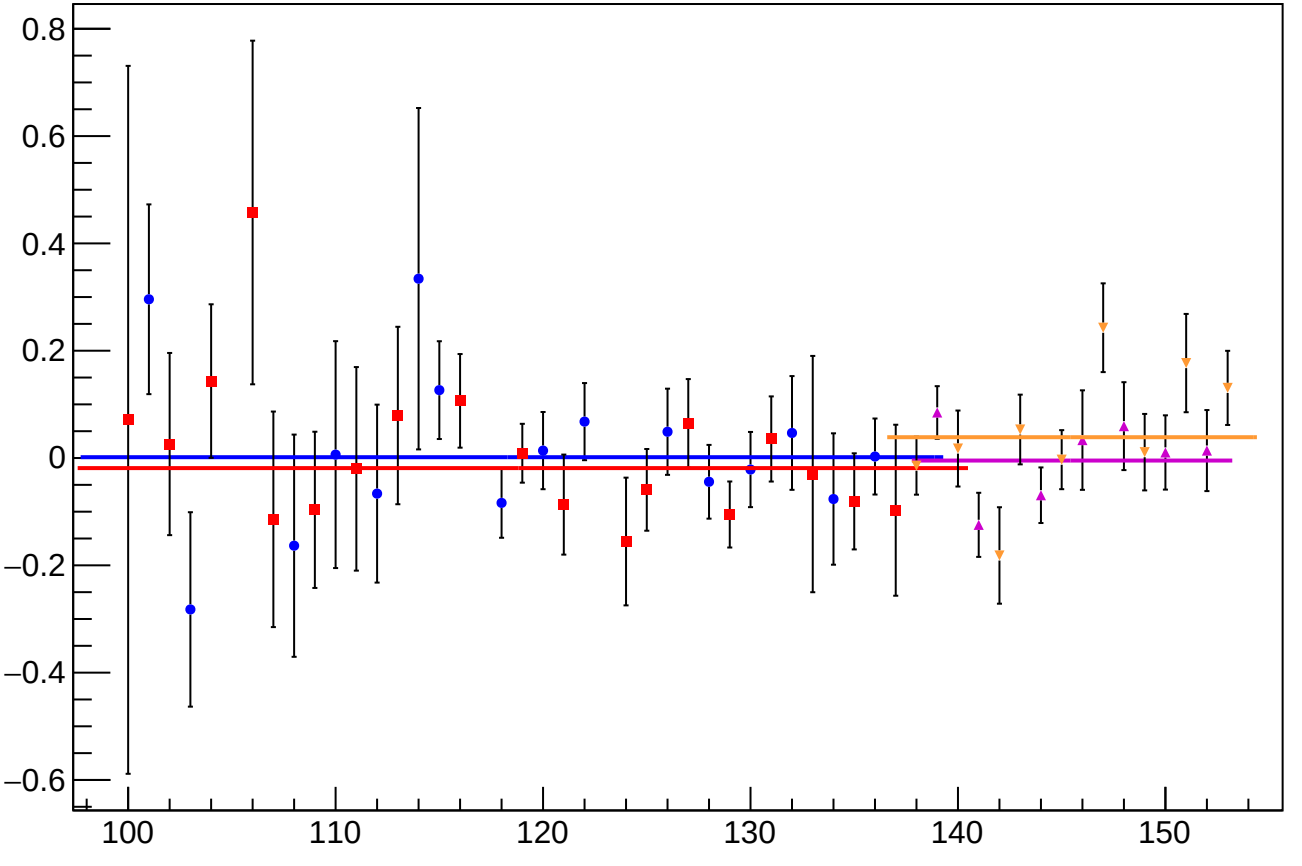
Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 56.519+/-0.012 χ^2/NDF:2639423.4/22

Out: 57.818+/-0.012 χ^2/NDF:2991844.6/27

All: 57.183+/-0.008 χ^2/NDF: 5637388.1/50

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: 0.039+/-0.023 χ^2/NDF:18.0/8

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: -0.005+/-0.024 χ^2/NDF:9.8/6

Left: 0.018+/-0.017 χ^2/NDF: 29.5/15

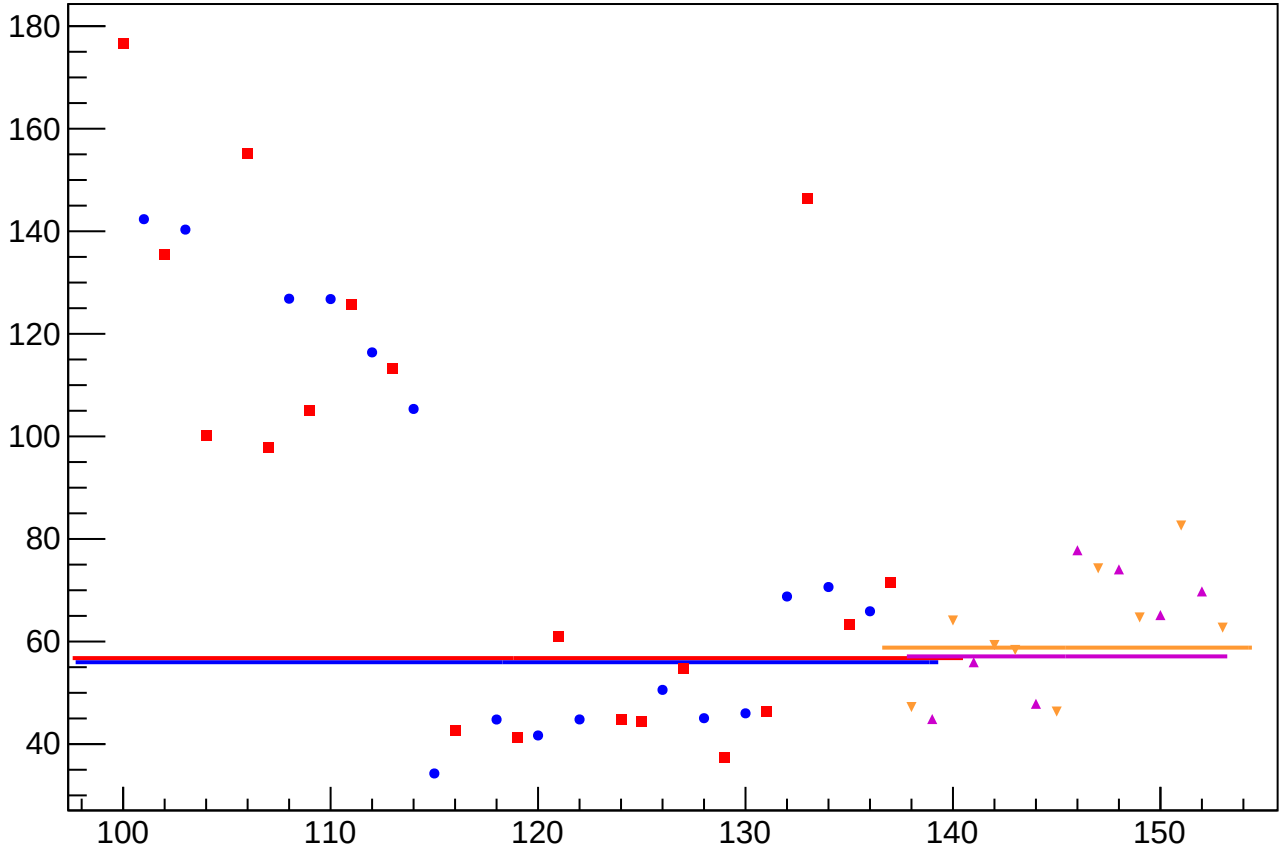
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: -0.001+/-0.017 χ^2/NDF:22.9/22

Out: 0.011+/-0.016 χ^2/NDF:34.1/27

All: 0.005+/-0.012 χ^2/NDF: 57.3/50

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: 58.813+/-0.016 χ^2/NDF:430932.0/8

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 57.103+/-0.017 χ^2/NDF:457387.0/6

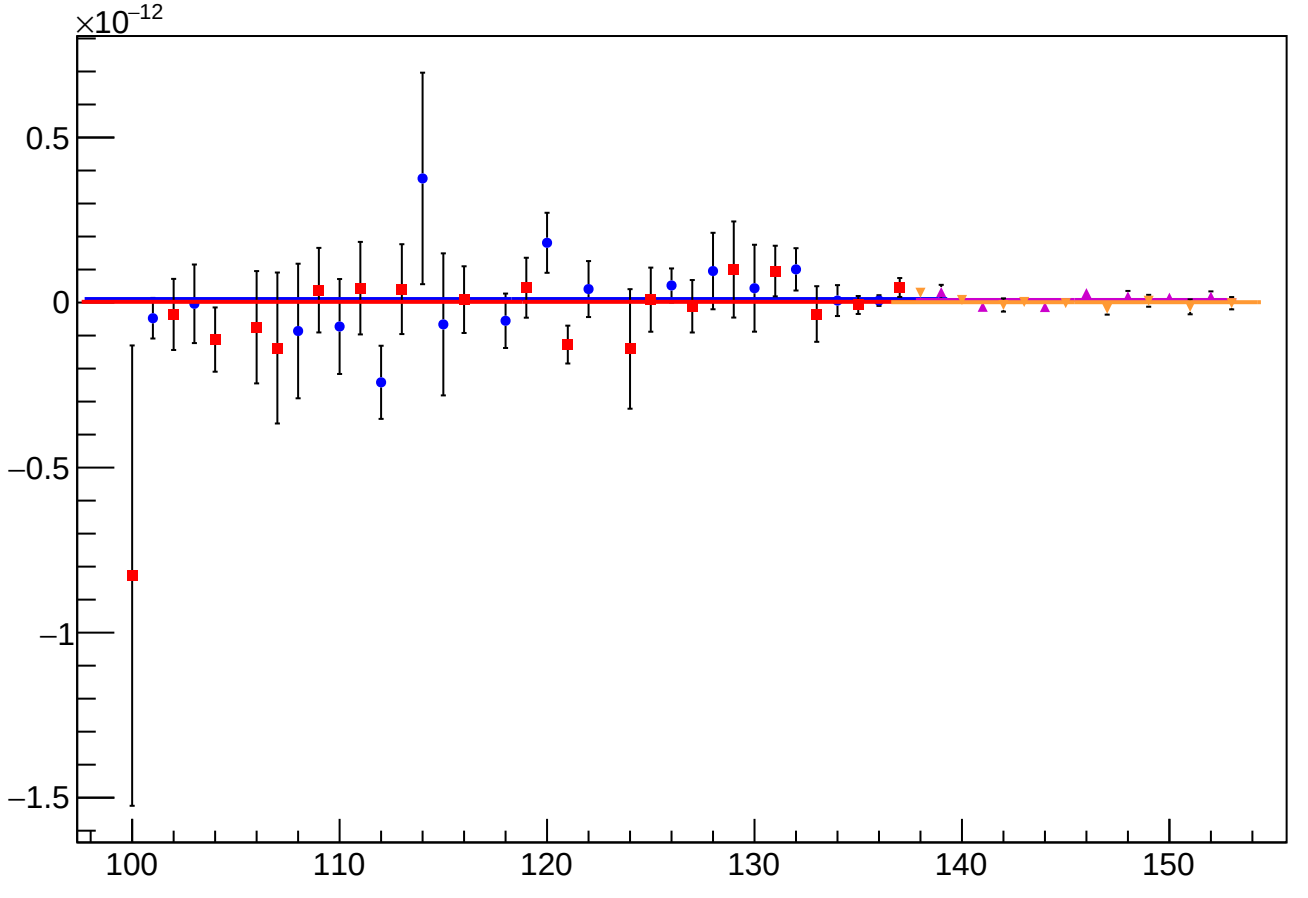
Left: 58.002+/-0.012 χ^2/NDF: 893602.7/15

Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 56.519+/-0.012 χ^2/NDF:2639423.4/22

Out: 57.818+/-0.012 χ^2/NDF:2991844.6/27

All: 57.183+/-0.008 χ^2/NDF: 5637388.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.1/8

Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:18.3/6

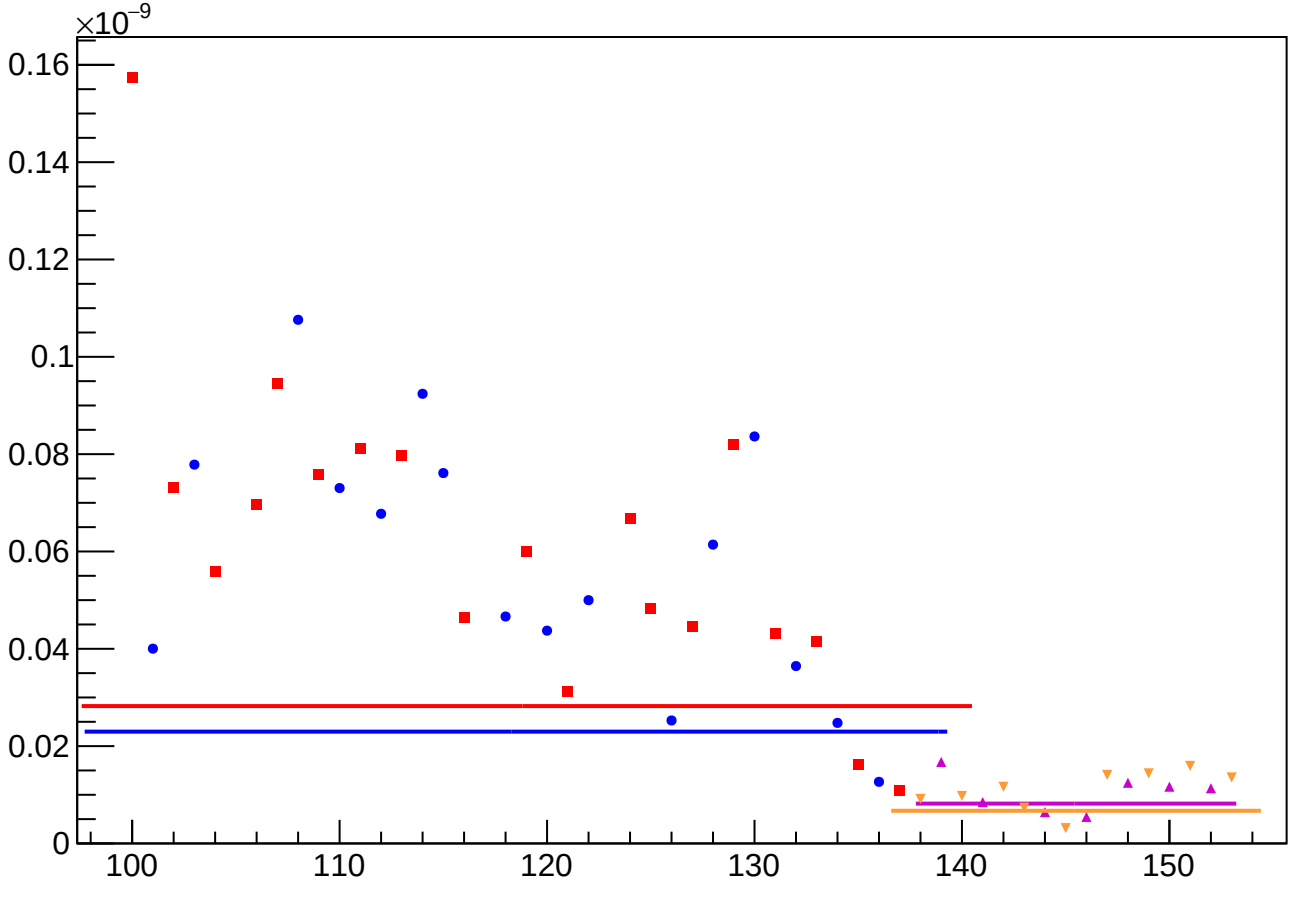
Left: 0.000+/-0.000 χ^2/NDF: 26.7/15

Right: 0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:34.0/22

Out: 0.000+/-0.000 χ^2/NDF:21.4/27

All: 0.000+/-0.000 χ^2/NDF: 56.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2606044.4/8

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

Left In: 0.000+/-0.000 χ^2/NDF:929131.5/6

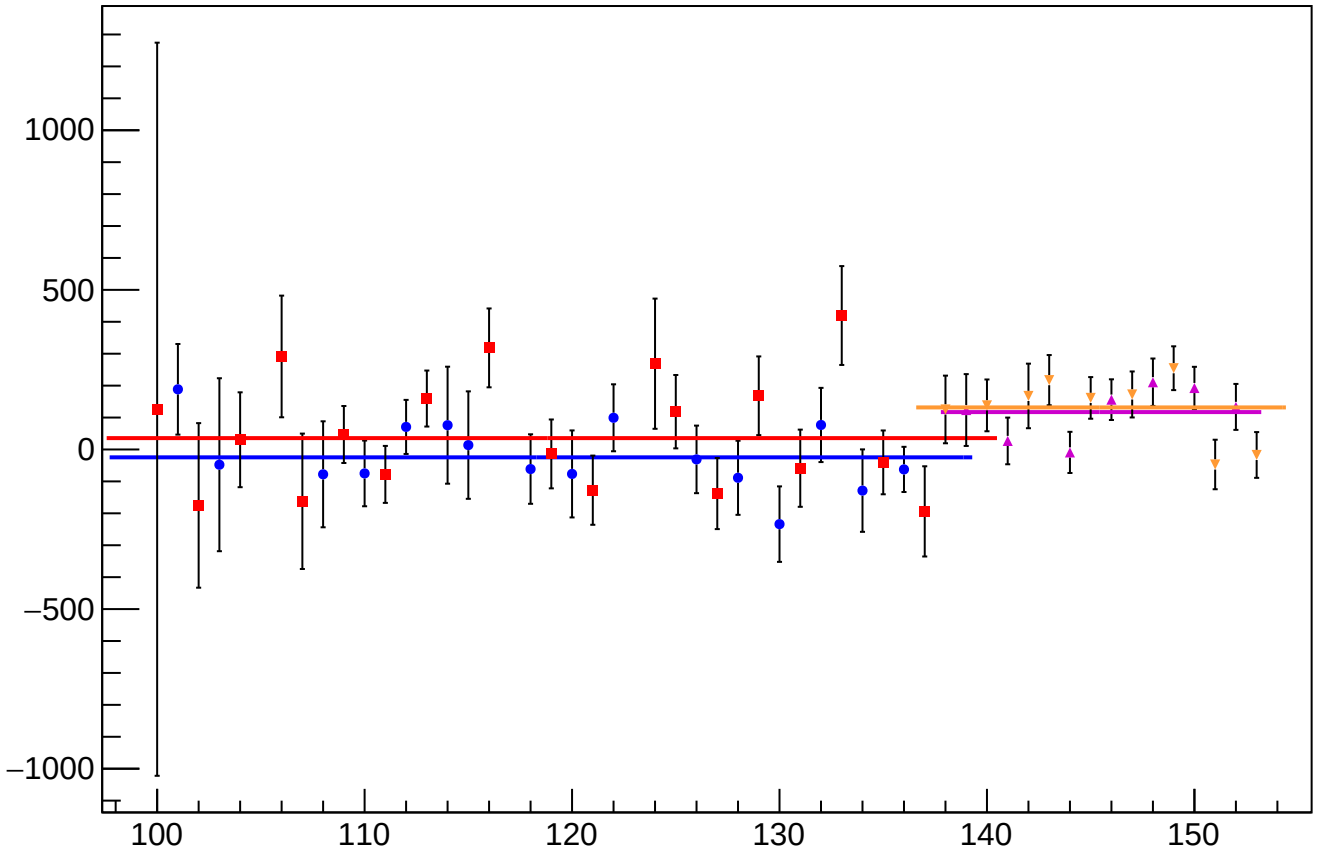
Left: 0.000+/-0.000 χ^2/NDF: 3665800.9/15

Right: 0.000+/-0.000 χ^2/NDF: 7687404.1/34

In: 0.000+/-0.000 χ^2/NDF:6991683.3/22

Out: 0.000+/-0.000 χ^2/NDF:10072270.7/27

All: 0.000+/-0.000 χ^2/NDF: 17295738.2/50



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 131.726+/-25.806 χ^2/NDF:14.7/8

Right Out: 35.582+/-28.454 χ^2/NDF: 30.1/18

Left In: 117.128+/-27.173 χ^2/NDF:8.7/6

Left: 124.803+/-18.712 χ^2/NDF: 23.5/15

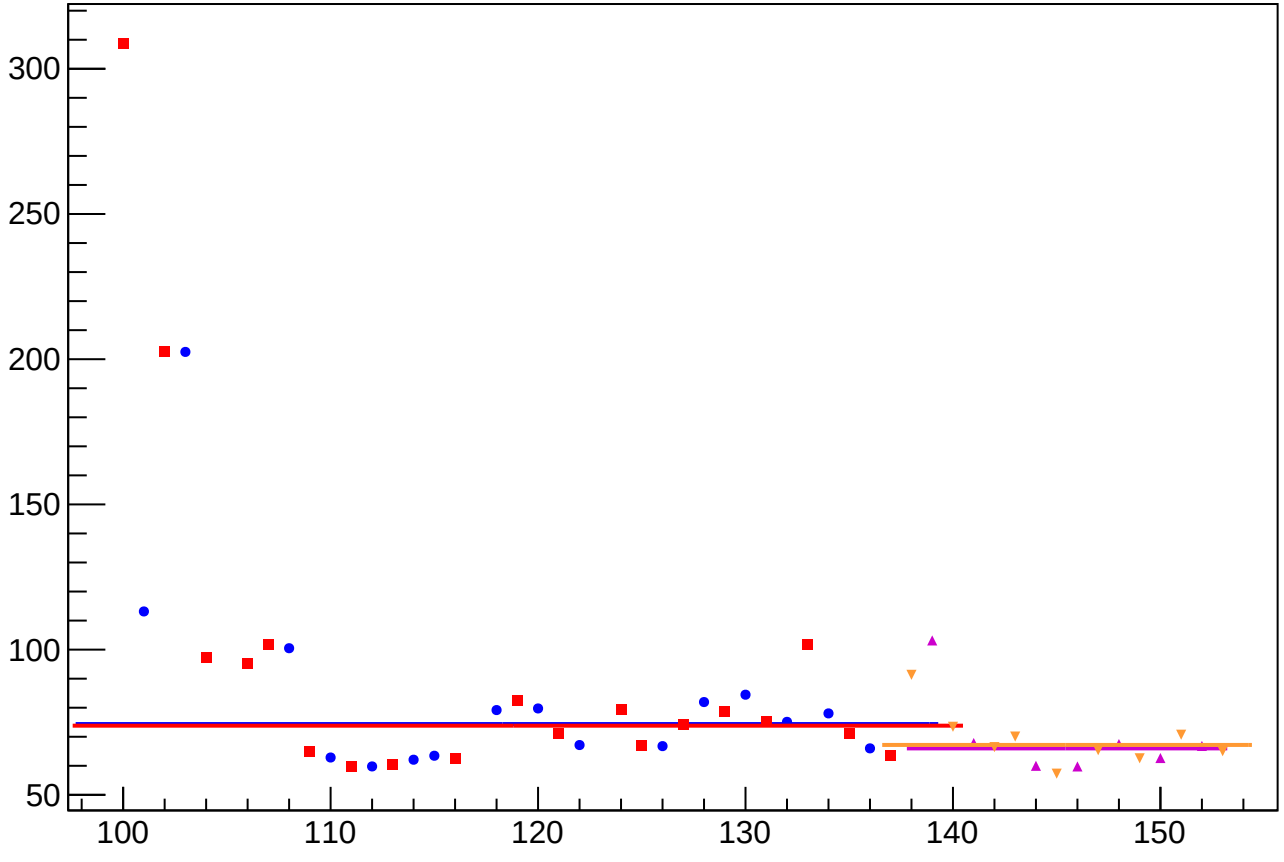
Right: 5.956+/-20.280 χ^2/NDF: 43.3/34

In: 50.640+/-19.801 χ^2/NDF:32.5/22

Out: 88.335+/-19.116 χ^2/NDF:51.0/27

All: 70.151+/-13.753 χ^2/NDF: 85.4/50

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 67.183+/-0.018 χ^2/NDF:180727.6/8

Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 65.988+/-0.019 χ^2/NDF:261997.5/6

Left: 66.617+/-0.013 χ^2/NDF: 444758.1/15

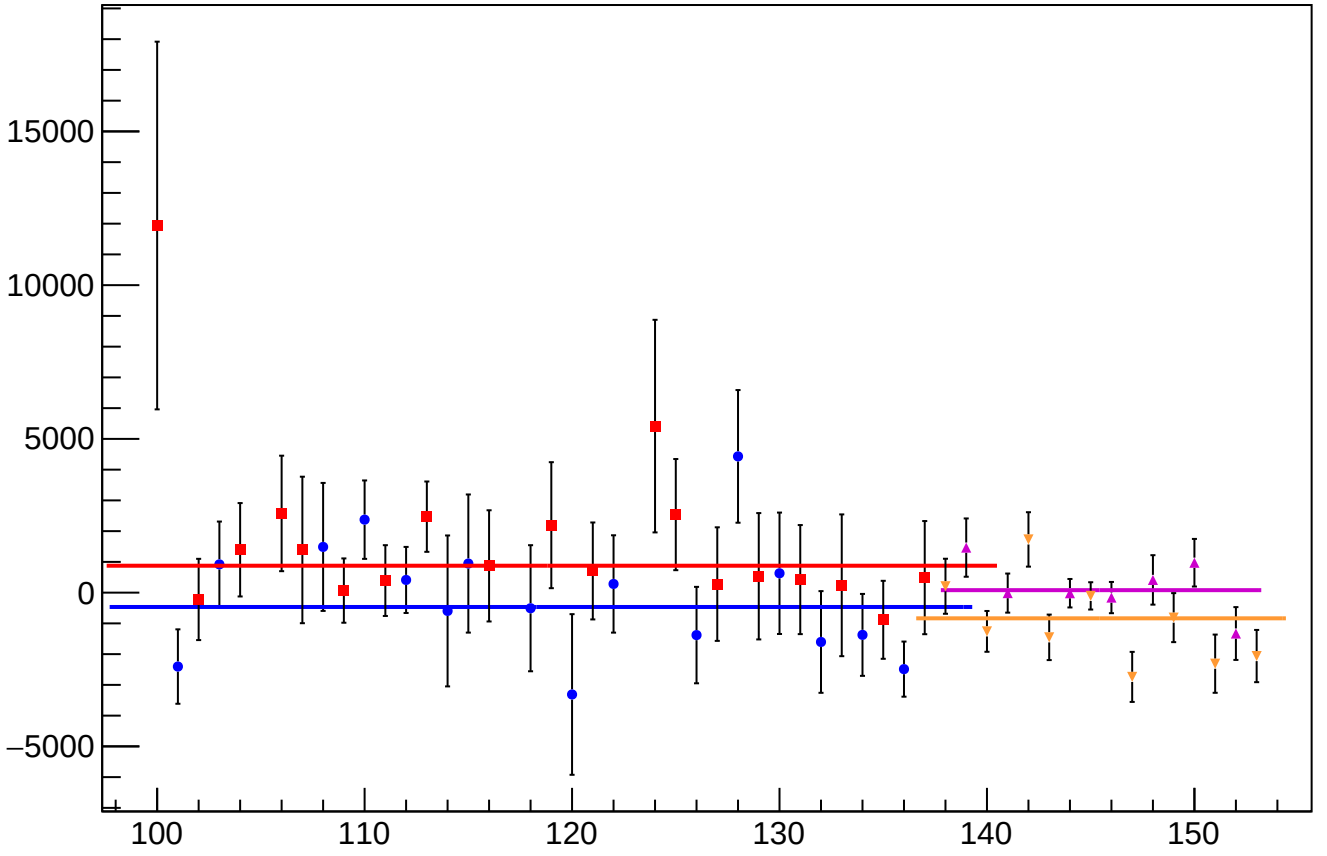
Right: 74.088+/-0.014 χ^2/NDF: 1759905.2/34

In: 69.919+/-0.014 χ^2/NDF:1178806.0/22

Out: 70.176+/-0.014 χ^2/NDF:1172285.9/27

All: 70.052+/-0.010 χ^2/NDF: 2351266.5/50

asym_sam_37_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -835.387+/-240.549 χ^2/NDF:23.6/8

Right Out: 875.351+/-372.239 χ^2/NDF: 13.1/18

Left In: 80.591+/-244.729 χ^2/NDF:6.6/6

Left: -385.286+/-171.553 χ^2/NDF: 37.3/15

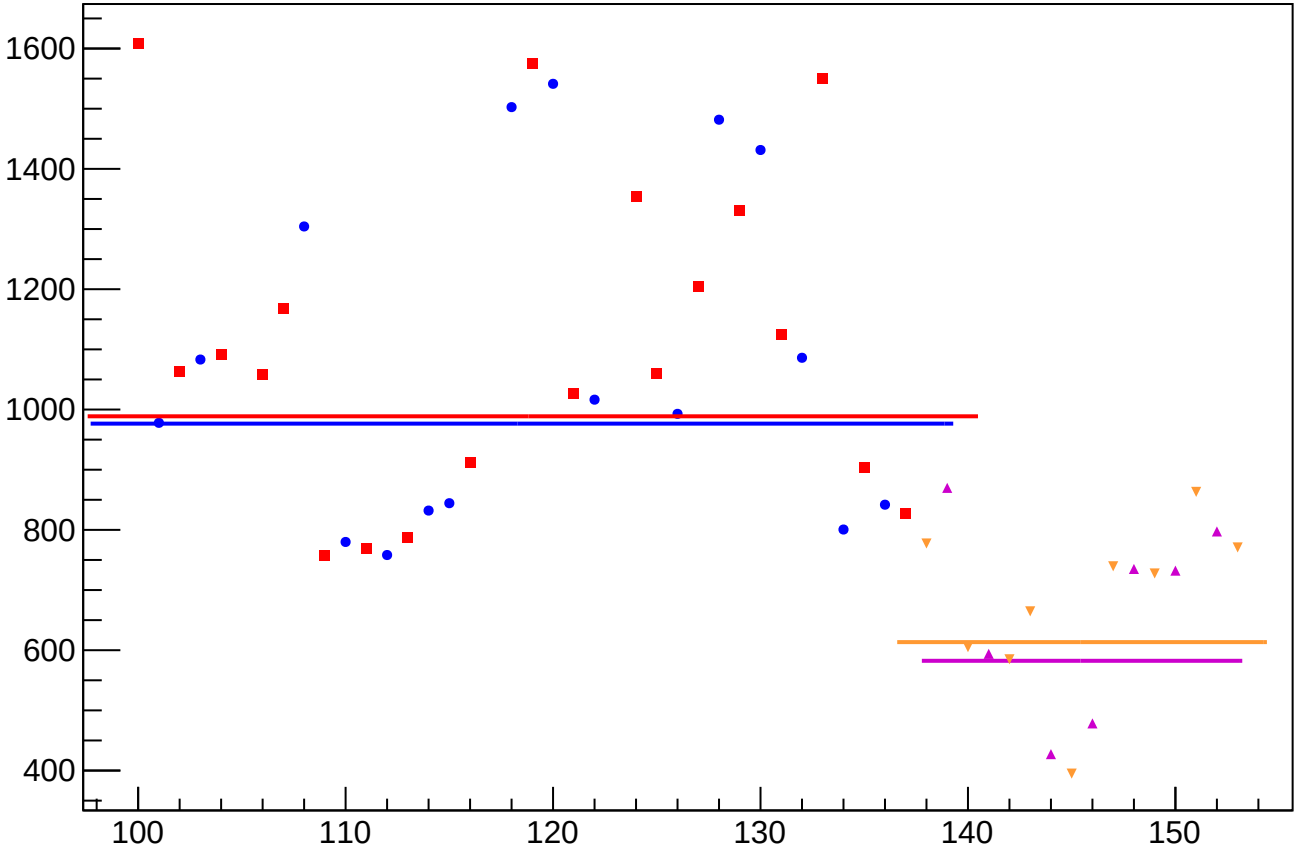
Right: 209.426+/-264.194 χ^2/NDF: 43.2/34

In: -82.807+/-204.951 χ^2/NDF:31.8/22

Out: -331.430+/-202.035 χ^2/NDF:51.5/27

All: -208.900+/-143.880 χ^2/NDF: 84.1/50

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: 613.465+/-0.170 χ^2/NDF:860414.5/8

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

Left In: 582.400+/-0.173 χ^2/NDF:765286.6/6

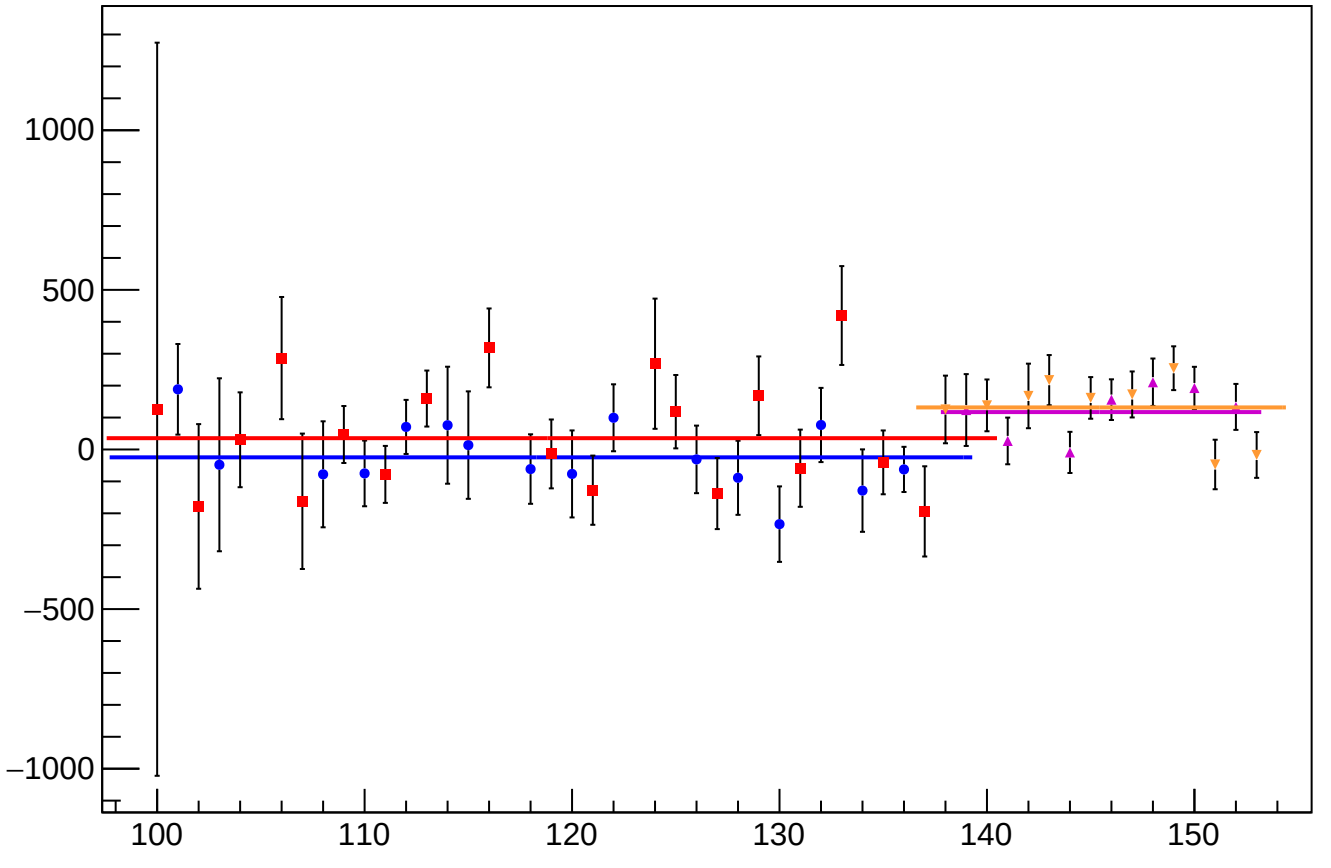
Left: 598.200+/-0.121 χ^2/NDF: 1642091.2/15

Right: 982.718+/-0.187 χ^2/NDF: 1453371.3/34

In: 700.125+/-0.145 χ^2/NDF:3051509.0/22

Out: 724.022+/-0.143 χ^2/NDF:3010238.6/27

All: 712.244+/-0.102 χ^2/NDF: 6075537.8/50



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 131.731+/-25.806 χ^2/NDF:14.7/8

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 117.130+/-27.173 χ^2/NDF:8.7/6

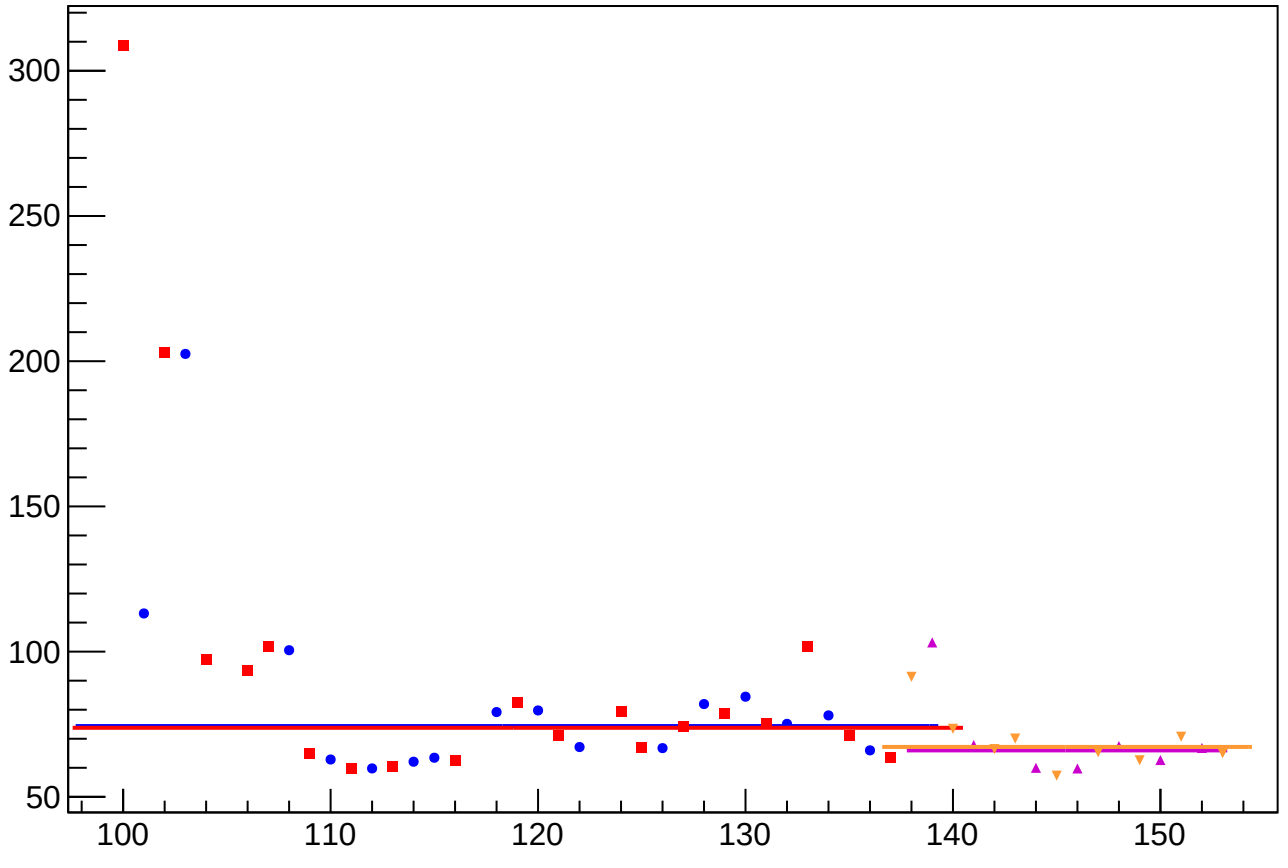
Left: 124.807+/-18.712 χ^2/NDF: 23.5/15

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 50.638+/-19.801 χ^2/NDF:32.5/22

Out: 88.253+/-19.117 χ^2/NDF:51.0/27

All: 70.106+/-13.753 χ^2/NDF: 85.3/50



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 67.183+/-0.018 χ^2/NDF:180727.6/8

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 65.988+/-0.019 χ^2/NDF:261997.5/6

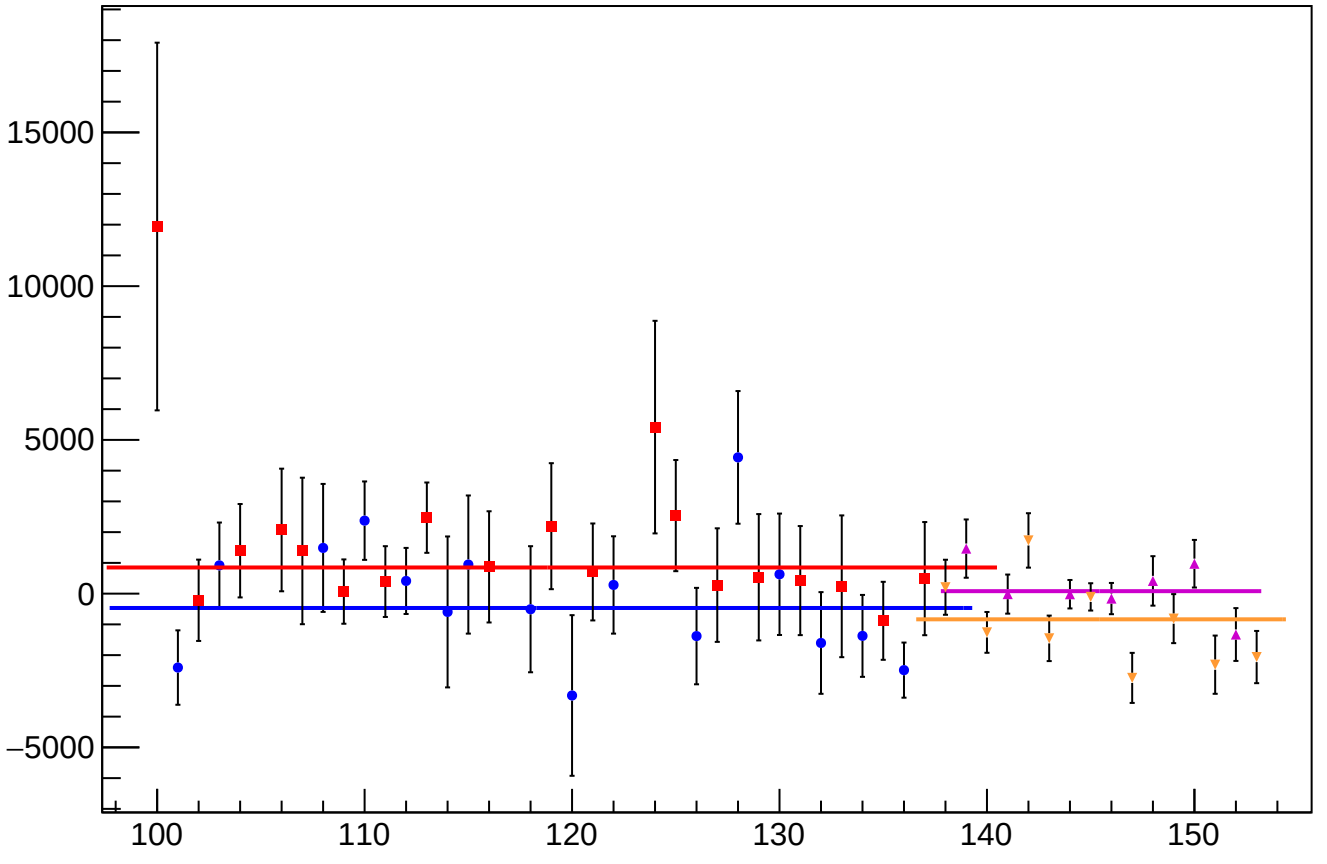
Left: 66.617+/-0.013 χ^2/NDF: 444758.1/15

Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 69.919+/-0.014 χ^2/NDF:1178808.0/22

Out: 70.157+/-0.014 χ^2/NDF:1167744.0/27

All: 70.042+/-0.010 χ^2/NDF: 2346701.5/50



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -835.382+/-240.549 χ^2/NDF:23.6/8

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 80.595+/-244.729 χ^2/NDF:6.6/6

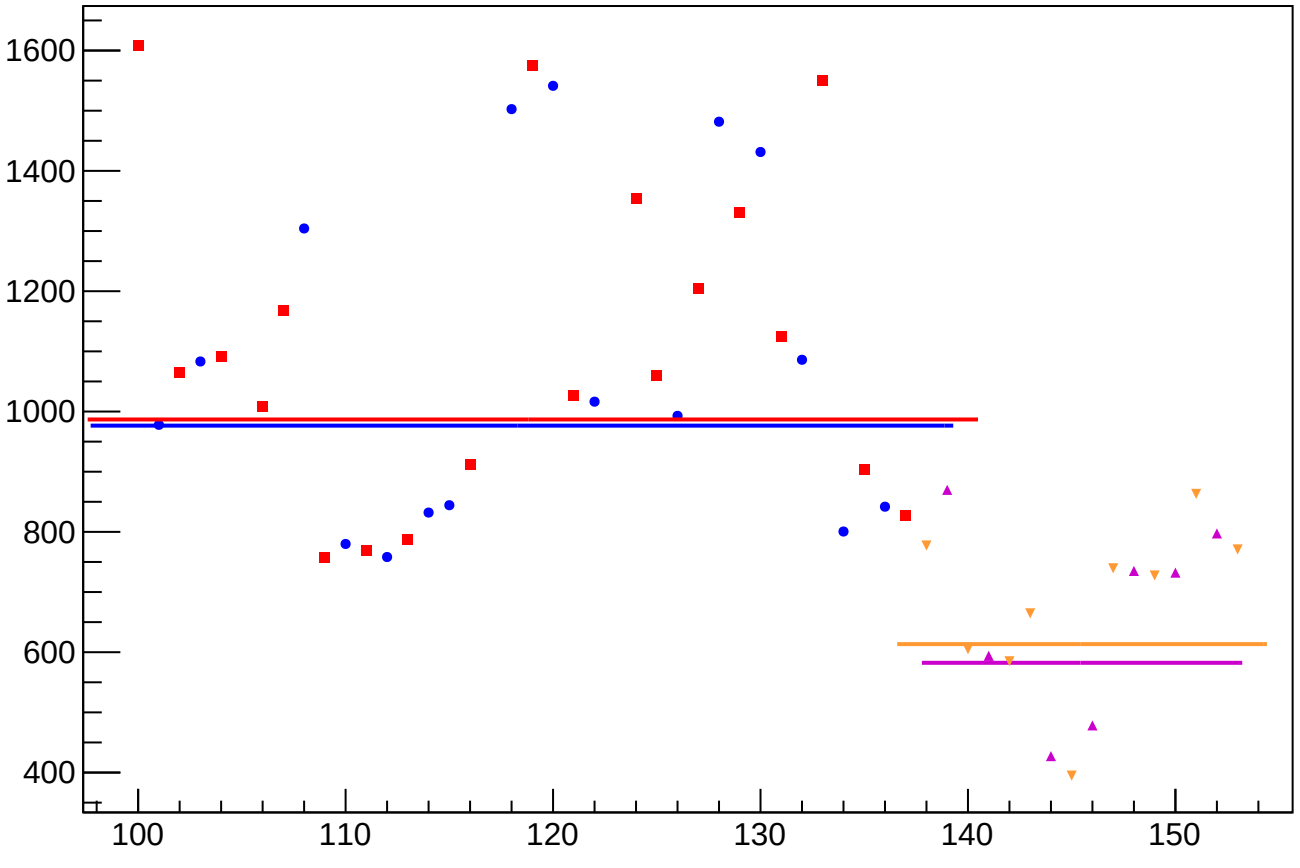
Left: -385.282+/-171.553 χ^2/NDF: 37.3/15

Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -82.799+/-204.952 χ^2/NDF:31.8/22

Out: -340.275+/-202.171 χ^2/NDF:50.6/27

All: -213.296+/-143.930 χ^2/NDF: 83.2/50



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 613.464+/-0.170 χ^2/NDF:860414.9/8

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 582.400+/-0.173 χ^2/NDF:765288.9/6

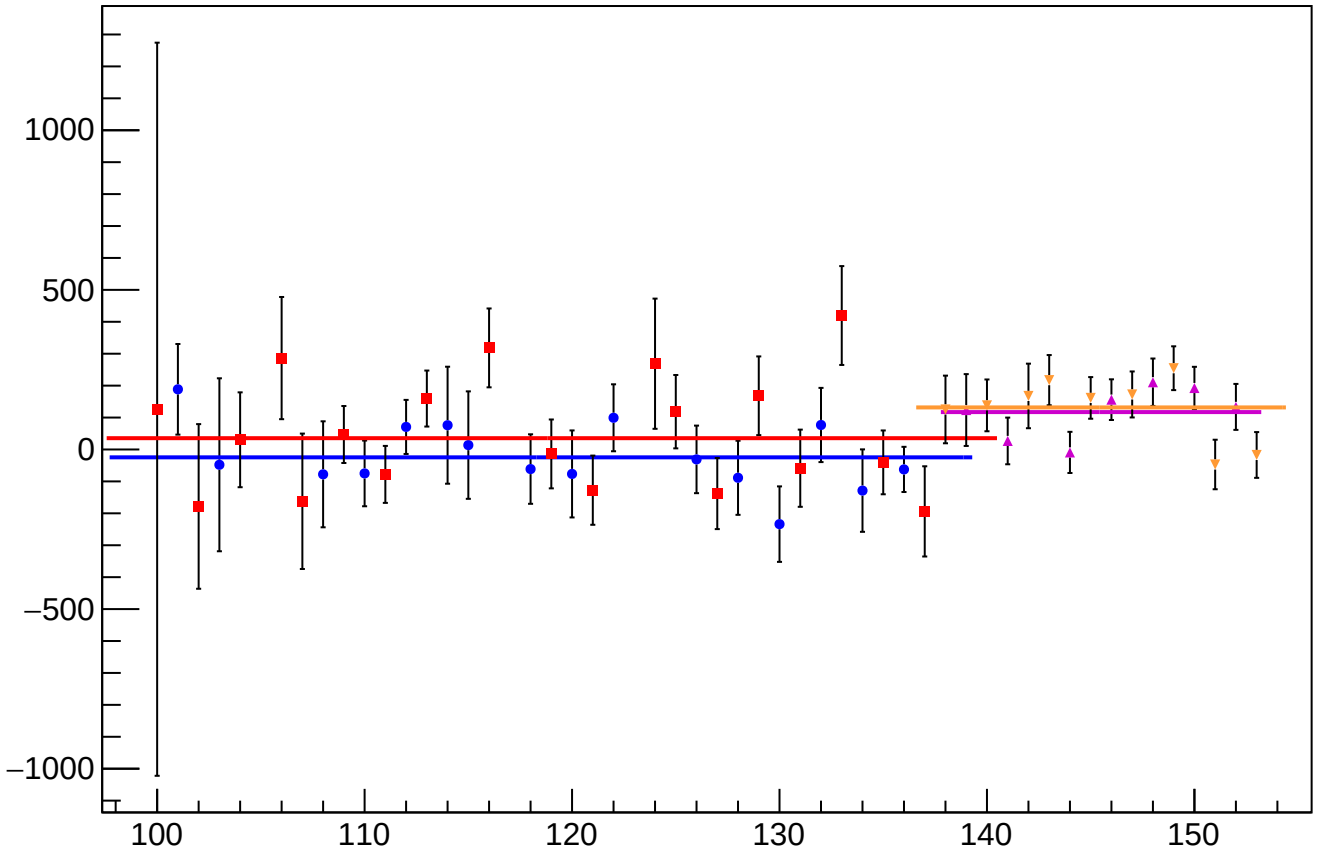
Left: 598.200+/-0.121 χ^2/NDF: 1642093.6/15

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 700.125+/-0.145 χ^2/NDF:3051565.6/22

Out: 723.095+/-0.143 χ^2/NDF:2988485.1/27

All: 711.767+/-0.102 χ^2/NDF: 6052783.0/50



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 131.731+/-25.806 χ^2/NDF:14.7/8

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 117.130+/-27.173 χ^2/NDF:8.7/6

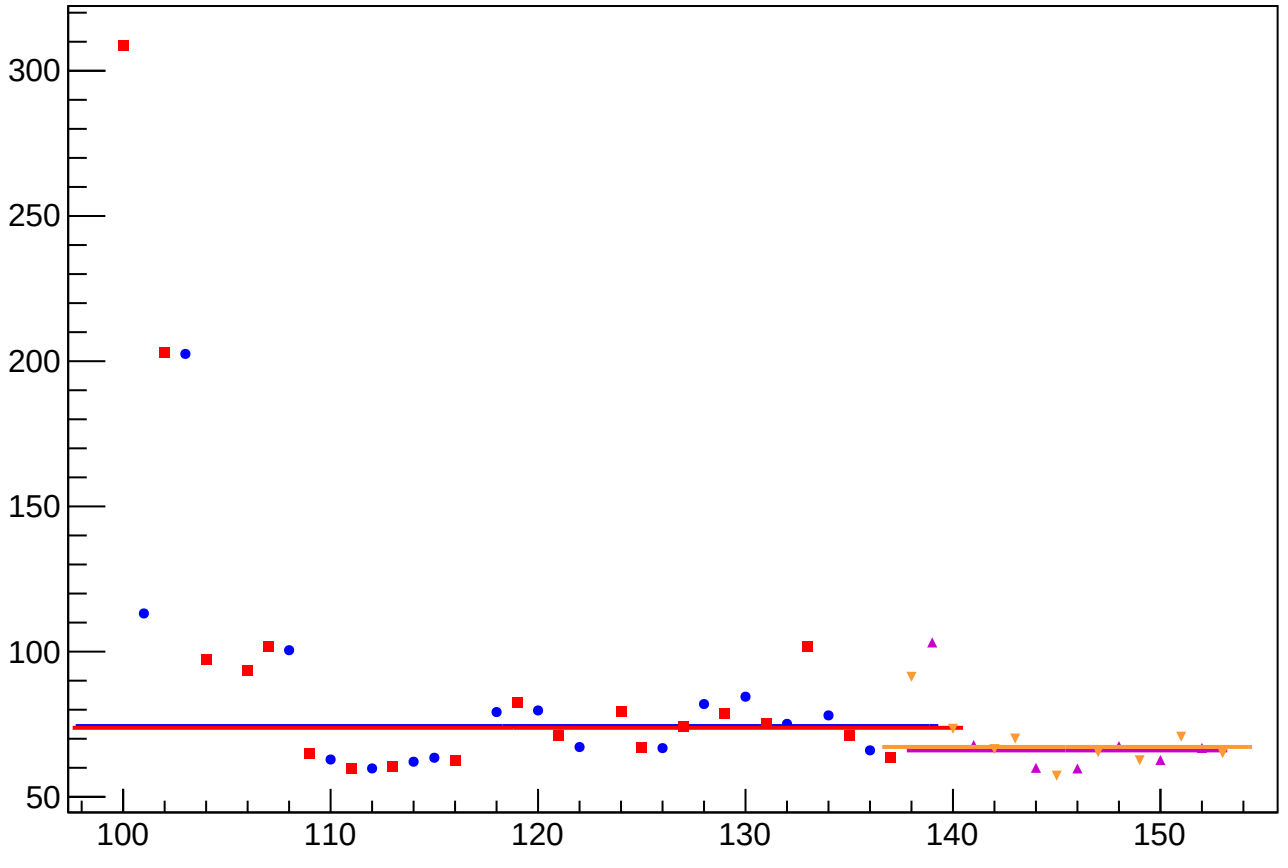
Left: 124.807+/-18.712 χ^2/NDF: 23.5/15

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 50.638+/-19.801 χ^2/NDF:32.5/22

Out: 88.253+/-19.117 χ^2/NDF:51.0/27

All: 70.106+/-13.753 χ^2/NDF: 85.3/50



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 67.183+/-0.018 χ^2/NDF:180727.6/8

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 65.988+/-0.019 χ^2/NDF:261997.5/6

Left: 66.617+/-0.013 χ^2/NDF: 444758.1/15

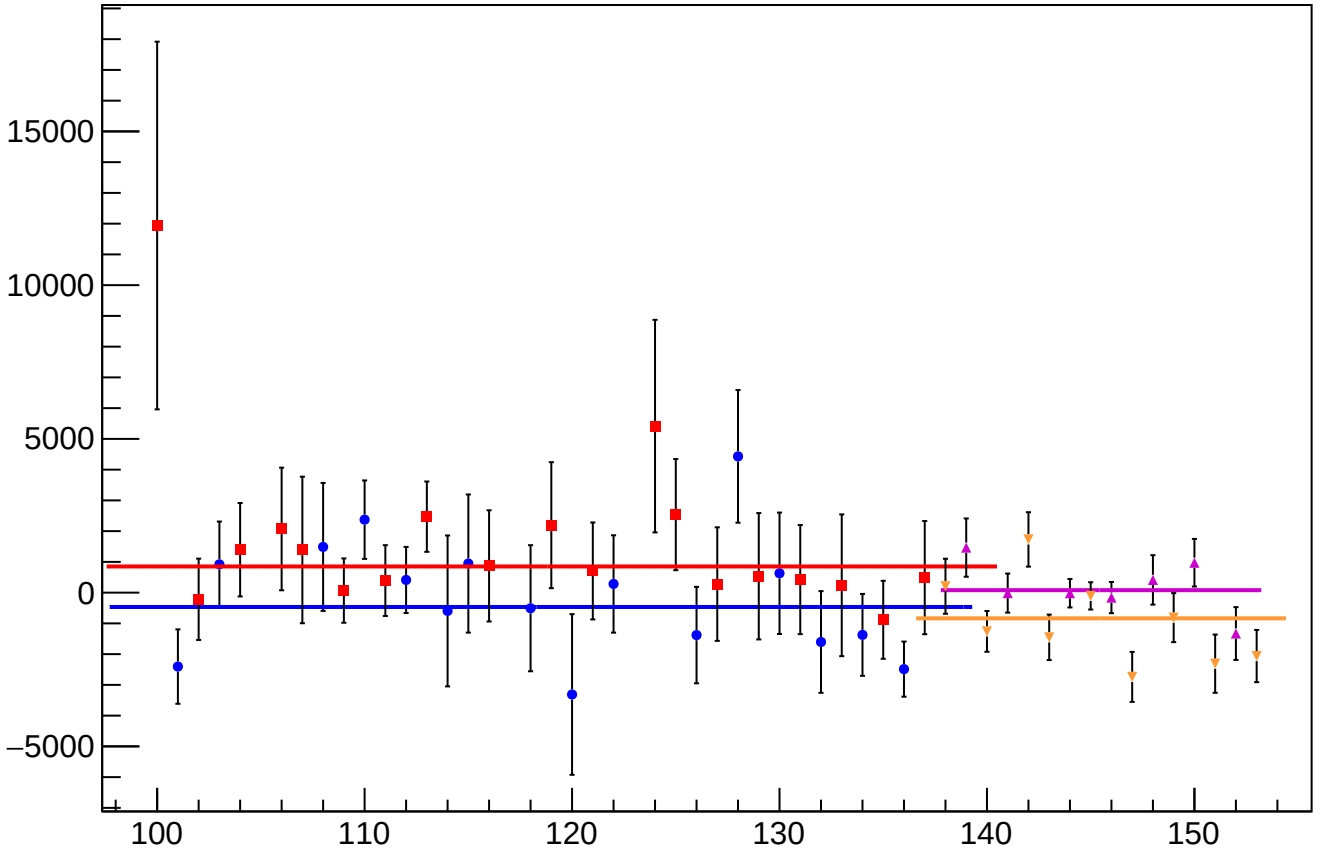
Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 69.919+/-0.014 χ^2/NDF:1178808.0/22

Out: 70.157+/-0.014 χ^2/NDF:1167744.0/27

All: 70.042+/-0.010 χ^2/NDF: 2346701.5/50

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: -835.382+/-240.549 χ^2/NDF:23.6/8

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 80.595+/-244.729 χ^2/NDF:6.6/6

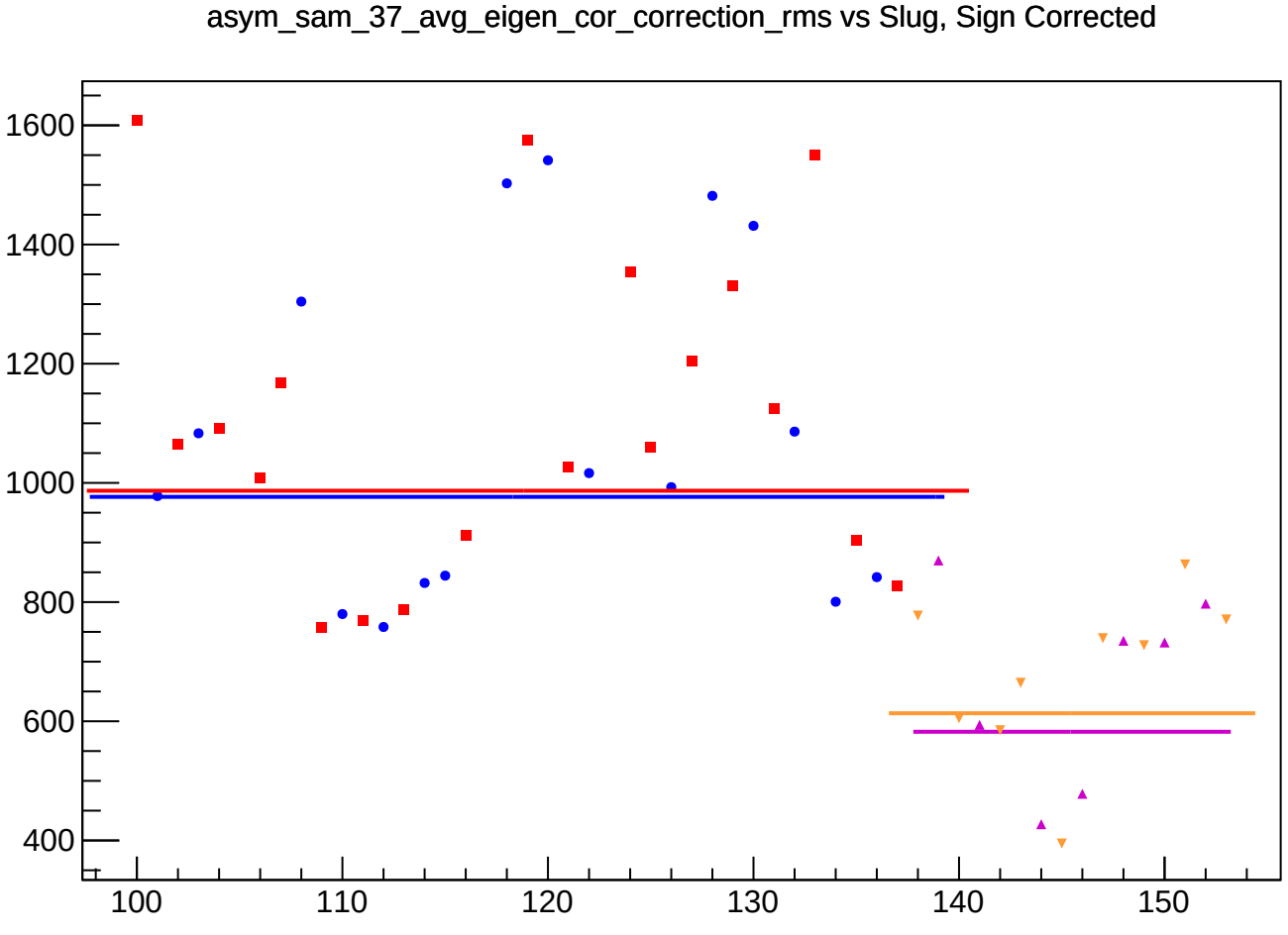
Left: -385.282+/-171.553 χ^2/NDF: 37.3/15

Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -82.799+/-204.952 χ^2/NDF:31.8/22

Out: -340.275+/-202.171 χ^2/NDF:50.6/27

All: -213.296+/-143.930 χ^2/NDF: 83.2/50



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 613.464+/-0.170 χ^2/NDF:860414.9/8

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 582.400+/-0.173 χ^2/NDF:765288.9/6

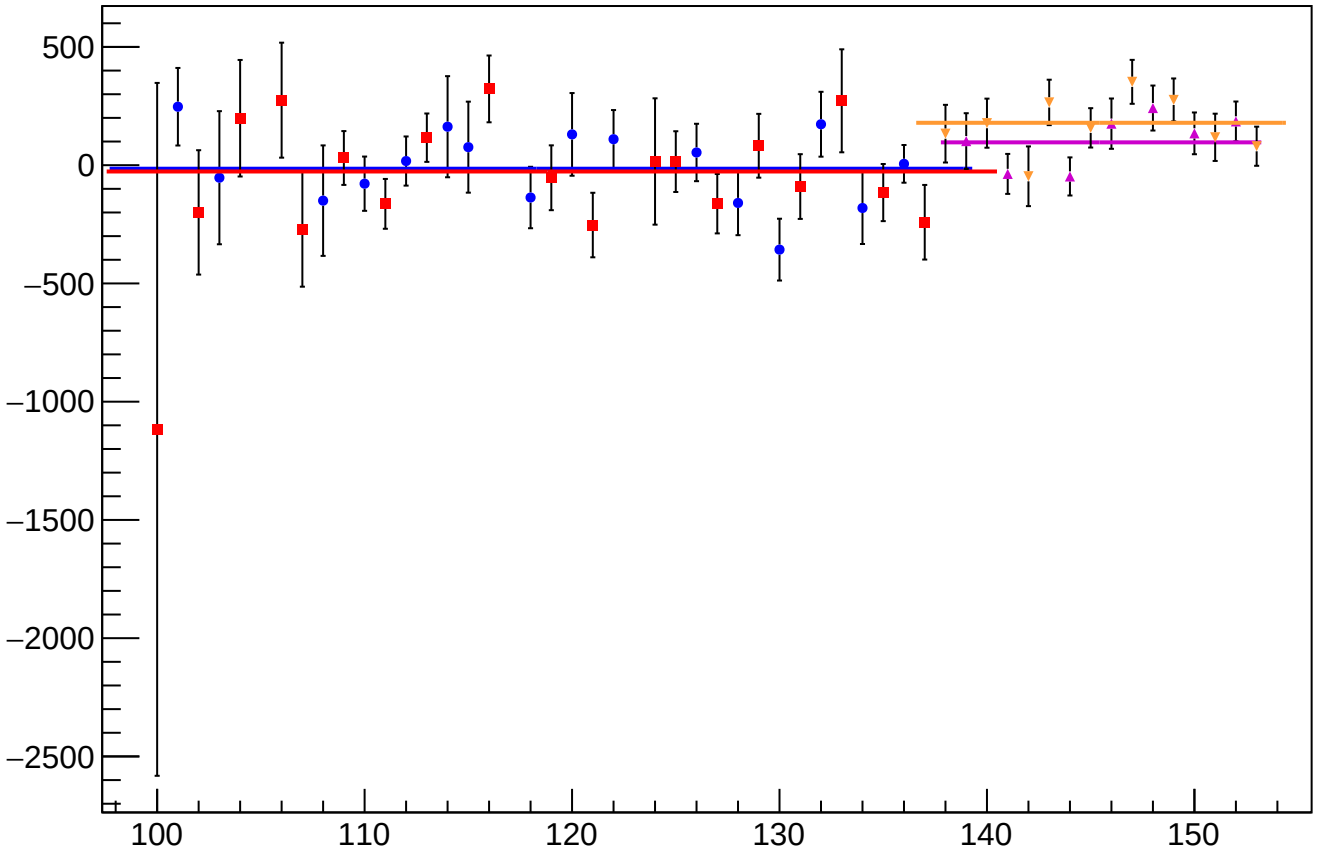
Left: 598.200+/-0.121 χ^2/NDF: 1642093.6/15

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 700.125+/-0.145 χ^2/NDF:3051565.6/22

Out: 723.095+/-0.143 χ^2/NDF:2988485.1/27

All: 711.767+/-0.102 χ^2/NDF: 6052783.0/50



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 179.231+/-32.288 χ^2/NDF:10.6/8

Right Out: -26.654+/-34.073 χ^2/NDF: 23.6/18

Left In: 96.507+/-34.610 χ^2/NDF:9.9/6

Left: 140.738+/-23.609 χ^2/NDF: 23.6/15

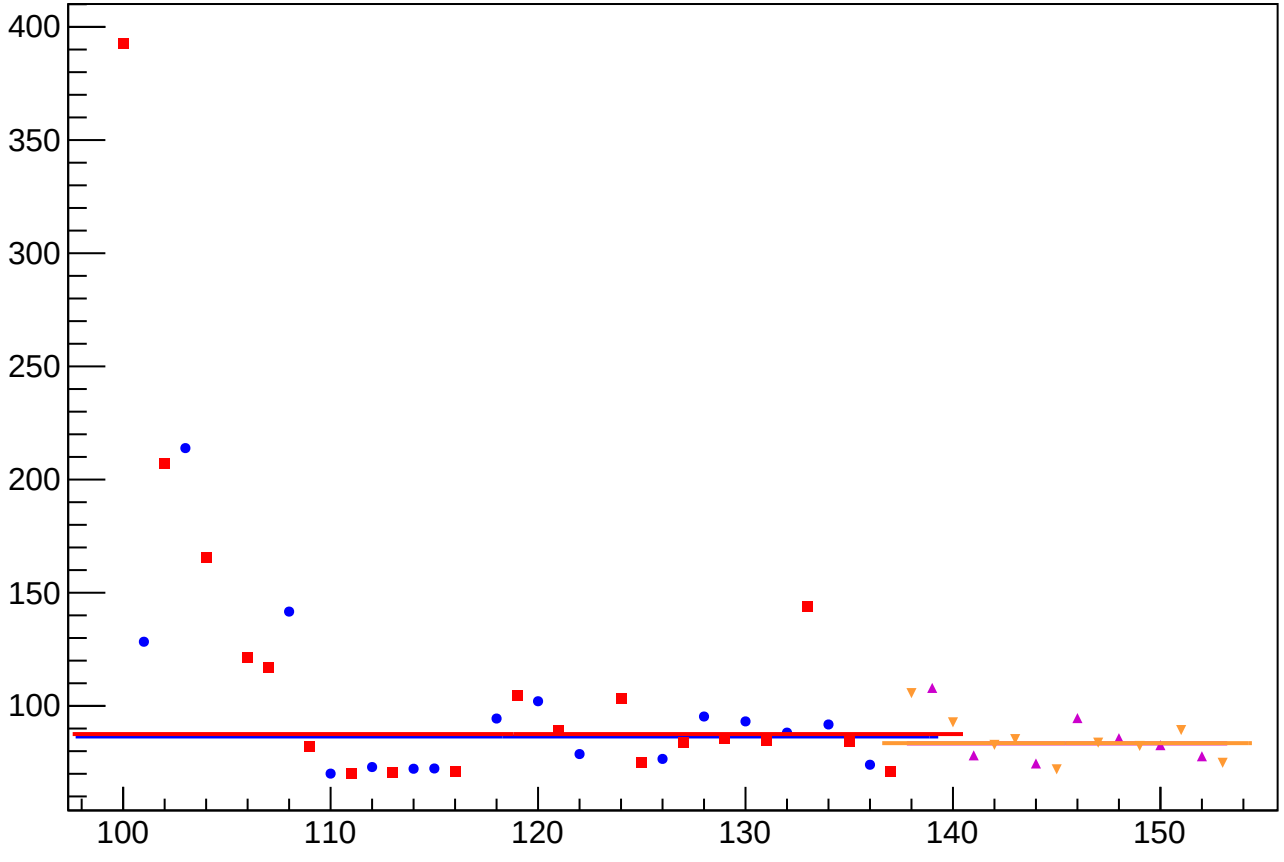
Right: -20.750+/-23.982 χ^2/NDF: 41.9/34

In: 39.393+/-24.167 χ^2/NDF:33.4/22

Out: 81.823+/-23.437 χ^2/NDF:53.5/27

All: 61.259+/-16.825 χ^2/NDF: 88.5/50

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 83.543+/-0.023 χ^2/NDF:149944.5/8

Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 83.432+/-0.024 χ^2/NDF:151062.3/6

Left: 83.491+/-0.017 χ^2/NDF: 301018.0/15

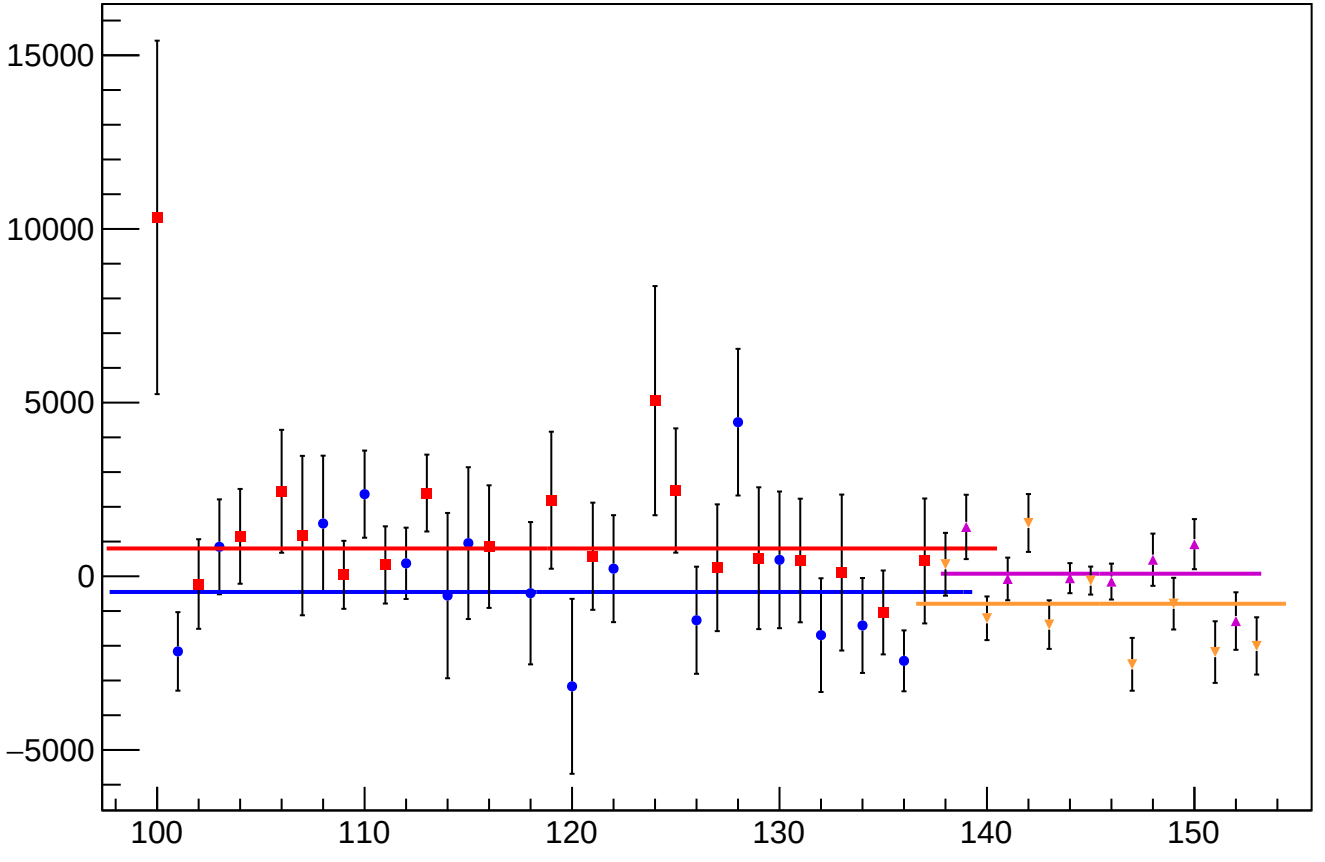
Right: 87.017+/-0.017 χ^2/NDF: 1987038.9/34

In: 84.998+/-0.017 χ^2/NDF:1015317.3/22

Out: 85.441+/-0.017 χ^2/NDF:1294341.6/27

All: 85.227+/-0.012 χ^2/NDF: 2310005.2/50

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: -790.651+/-225.475 χ^2/NDF:23.2/8

Right Out: 801.206+/-357.866 χ^2/NDF: 13.6/18

Left In: 74.531+/-235.359 χ^2/NDF:6.8/6

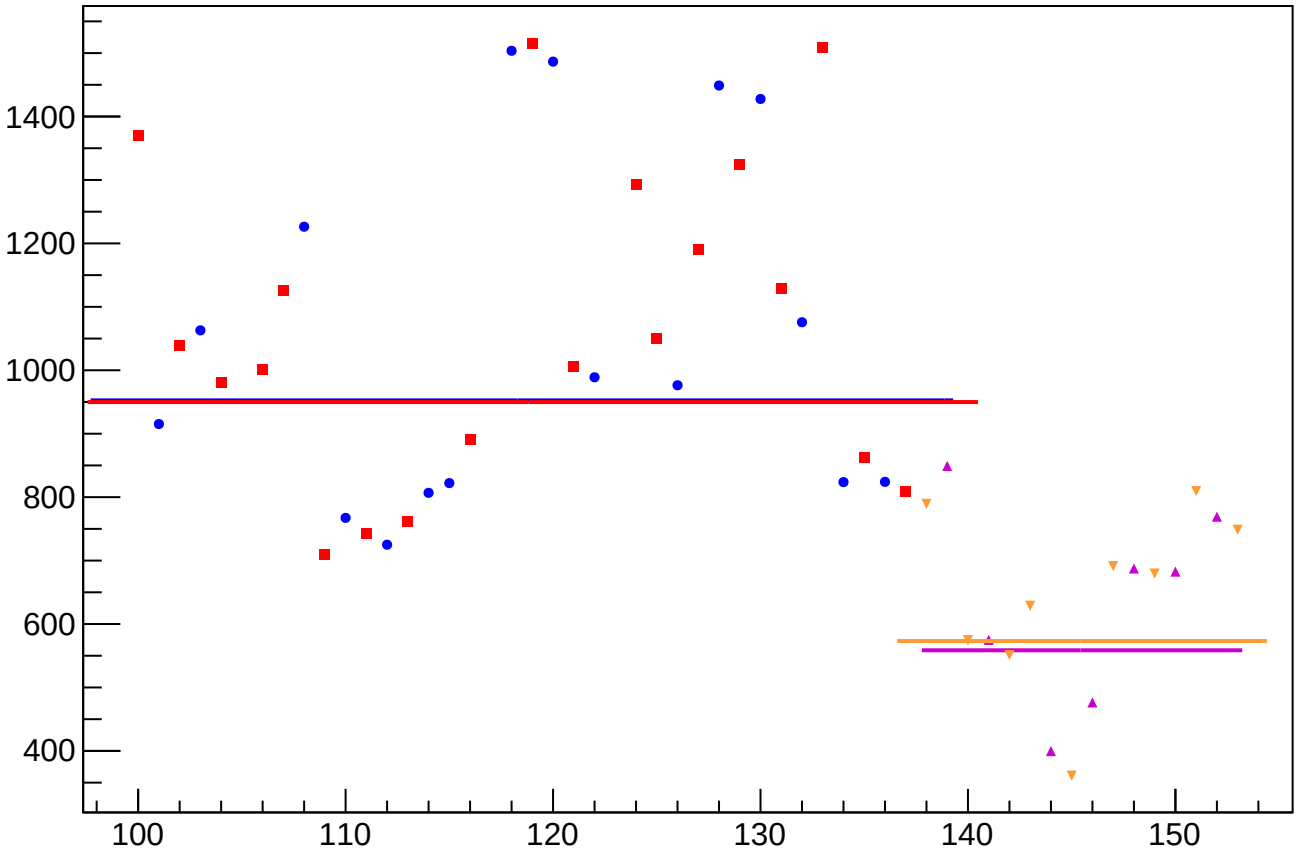
Left: -376.609+/-162.817 χ^2/NDF: 37.1/15

Right: 188.311+/-255.742 χ^2/NDF: 43.3/34

In: -79.559+/-197.899 χ^2/NDF:32.0/22

Out: -338.303+/-190.768 χ^2/NDF:51.0/27

All: -213.676+/-137.345 χ^2/NDF: 83.9/50



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 573.183+/-0.159 χ^2/NDF:1003826.9/8

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

Left In: 558.611+/-0.166 χ^2/NDF:766009.9/6

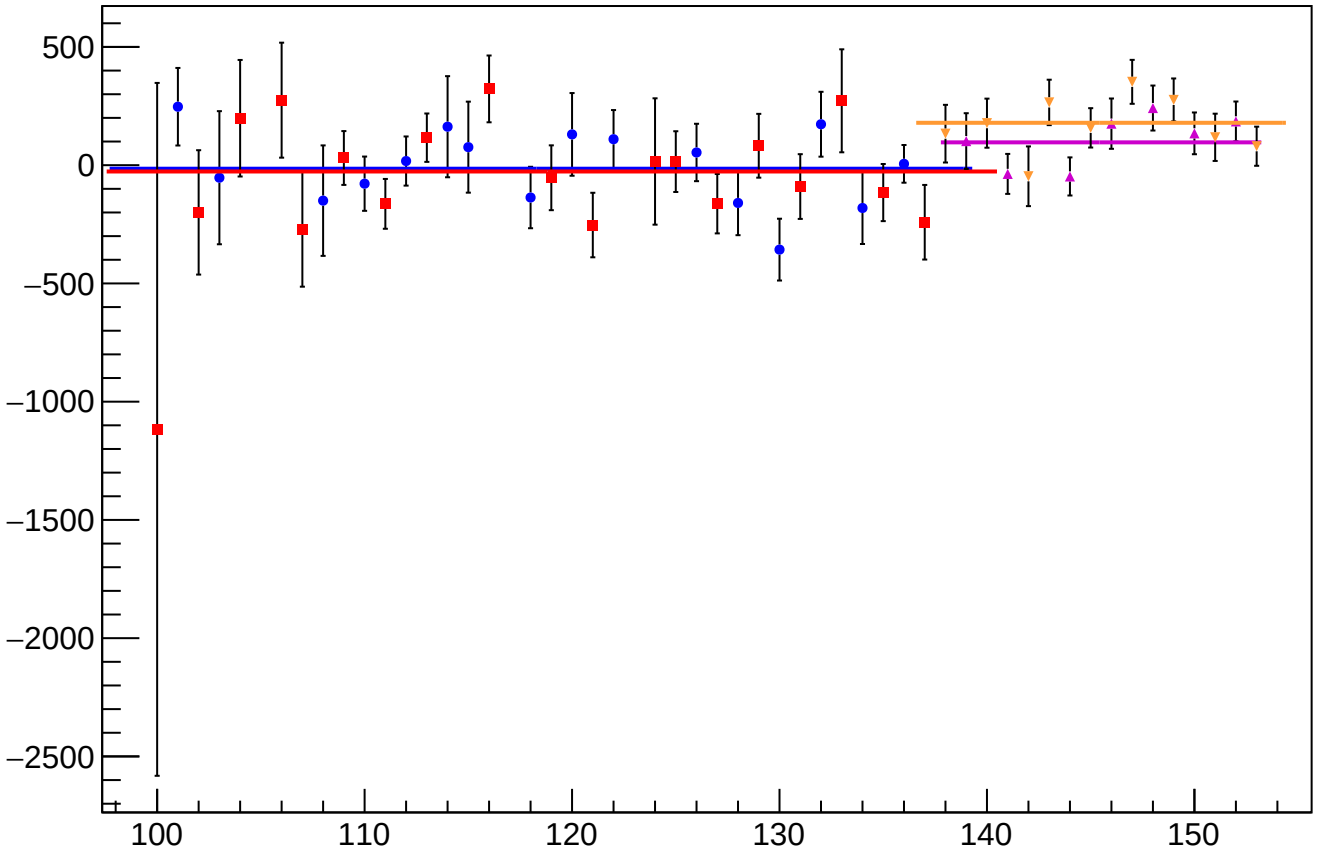
Left: 566.209+/-0.115 χ^2/NDF: 1773834.3/15

Right: 951.193+/-0.181 χ^2/NDF: 1498076.1/34

In: 674.033+/-0.140 χ^2/NDF:3154031.4/22

Out: 680.230+/-0.135 χ^2/NDF:3341909.0/27

All: 677.245+/-0.097 χ^2/NDF: 6496956.6/50



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 179.232+/-32.288 χ^2/NDF:10.6/8

Right Out: -26.658+/-34.073 χ^2/NDF: 23.6/18

Left In: 96.508+/-34.610 χ^2/NDF:9.9/6

Left: 140.738+/-23.609 χ^2/NDF: 23.6/15

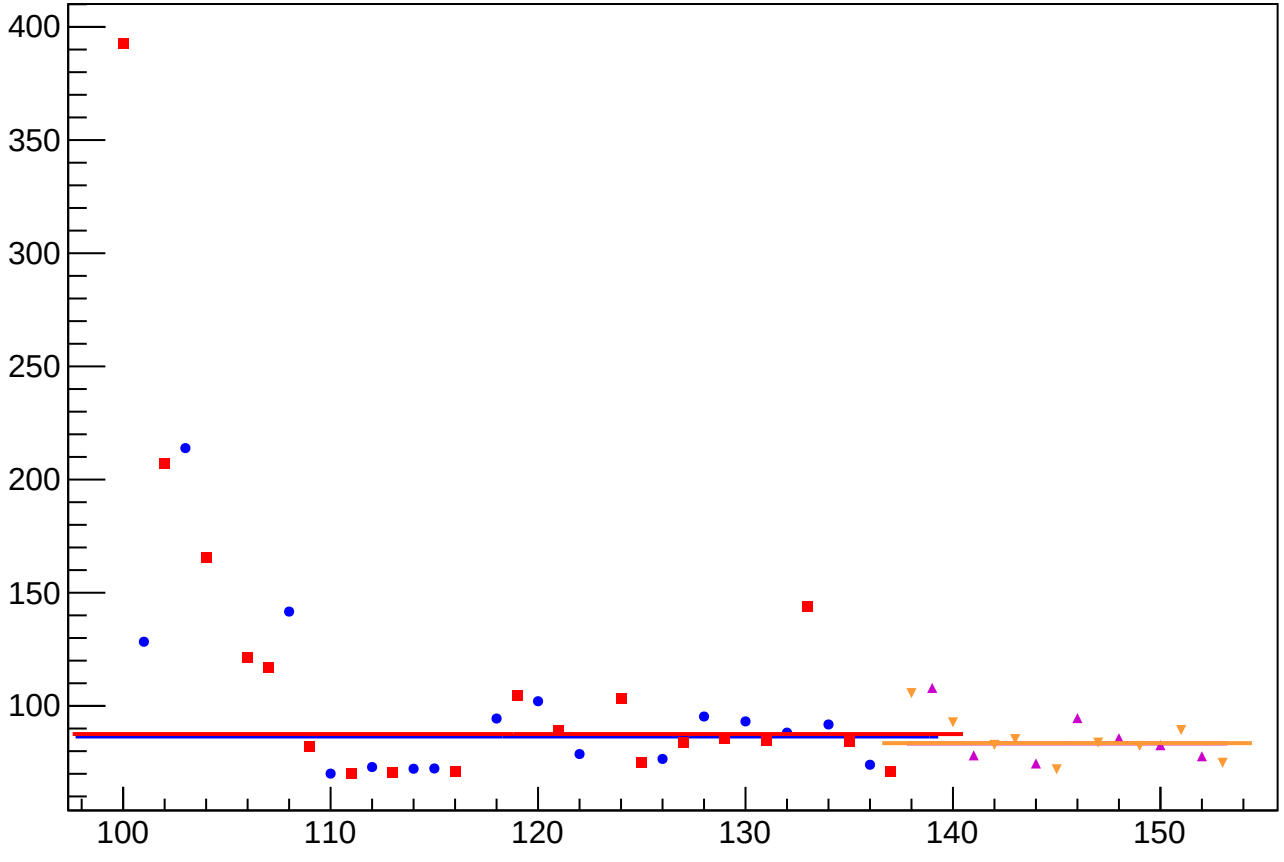
Right: -20.752+/-23.982 χ^2/NDF: 41.9/34

In: 39.393+/-24.167 χ^2/NDF:33.4/22

Out: 81.822+/-23.437 χ^2/NDF:53.5/27

All: 61.258+/-16.825 χ^2/NDF: 88.5/50

eigen_dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 83.544+/-0.023 χ^2/NDF:149942.2/8

Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 83.432+/-0.024 χ^2/NDF:151058.0/6

Left: 83.492+/-0.017 χ^2/NDF: 301011.4/15

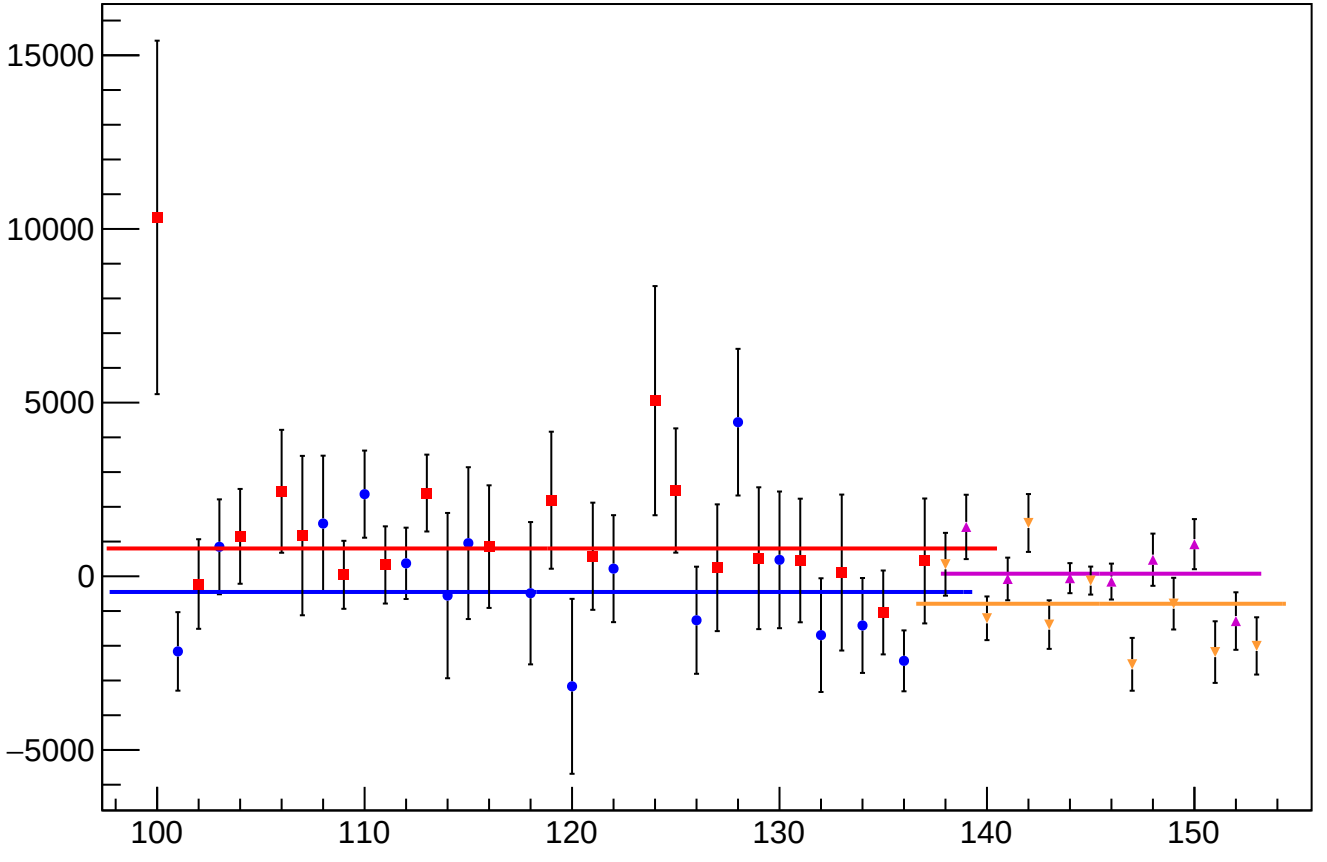
Right: 87.017+/-0.017 χ^2/NDF: 1987028.5/34

In: 84.999+/-0.017 χ^2/NDF:1015304.8/22

Out: 85.442+/-0.017 χ^2/NDF:1294336.9/27

All: 85.227+/-0.012 χ^2/NDF: 2309988.1/50

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: -790.652+/-225.475 χ^2/NDF:23.2/8

Right Out: 801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: 74.530+/-235.359 χ^2/NDF:6.8/6

Left: -376.610+/-162.817 χ^2/NDF: 37.1/15

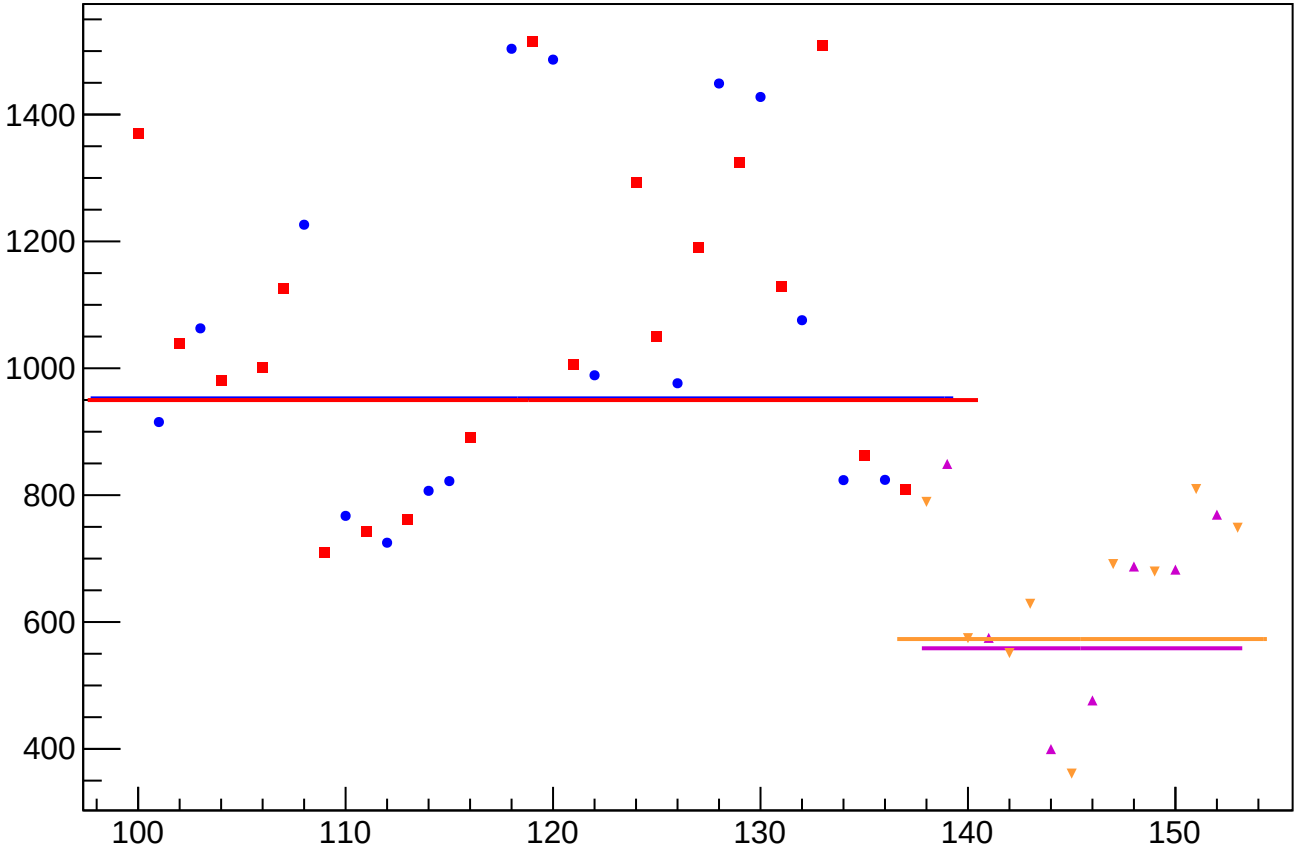
Right: 188.312+/-255.741 χ^2/NDF: 43.3/34

In: -79.559+/-197.898 χ^2/NDF:32.0/22

Out: -338.303+/-190.767 χ^2/NDF:51.0/27

All: -213.677+/-137.345 χ^2/NDF: 83.9/50

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: 573.182+/-0.159 χ^2/NDF:1003828.9/8

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

Left In: 558.611+/-0.166 χ^2/NDF:766011.0/6

Left: 566.209+/-0.115 χ^2/NDF: 1773837.3/15

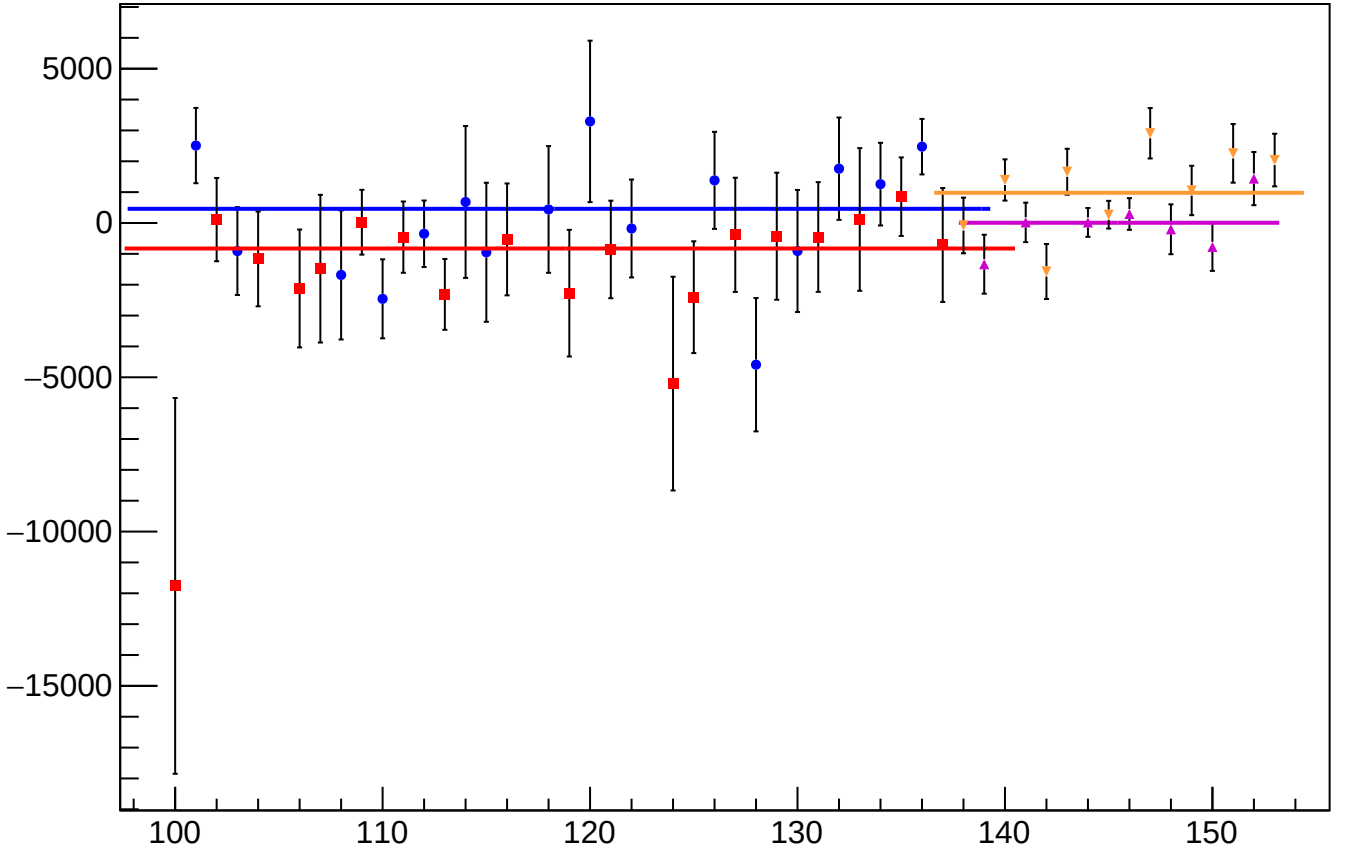
Right: 951.191+/-0.181 χ^2/NDF: 1498078.4/34

In: 674.033+/-0.140 χ^2/NDF:3154029.1/22

Out: 680.229+/-0.135 χ^2/NDF:3341906.2/27

All: 677.244+/-0.097 χ^2/NDF: 6496951.6/50

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 979.003+/-242.263 χ^2/NDF:22.2/8

Right Out: -826.531+/-374.244 χ^2/NDF: 11.7/18

Left In: 7.375+/-246.559 χ^2/NDF:6.1/6

Left: 501.729+/-172.805 χ^2/NDF: 36.3/15

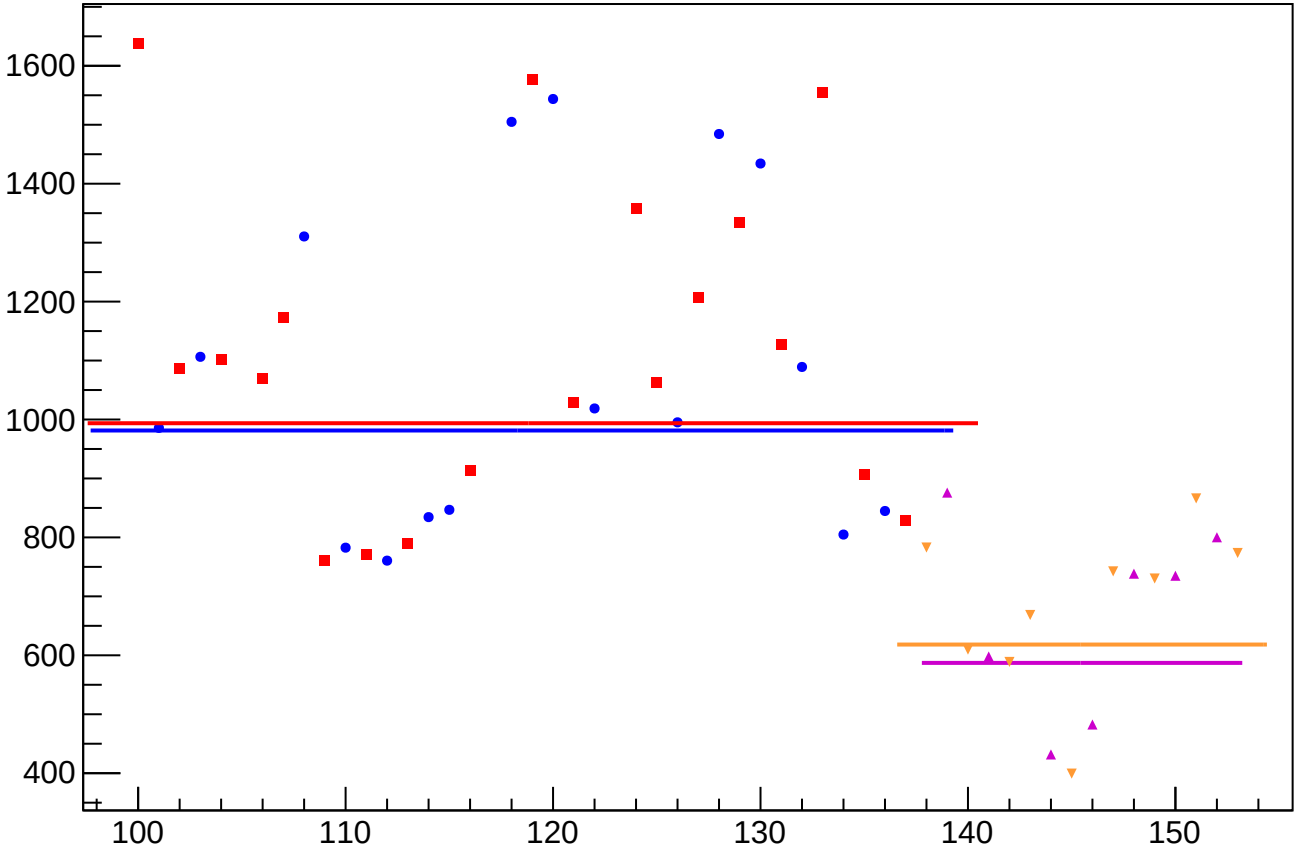
Right: -188.198+/-265.555 χ^2/NDF: 42.1/34

In: 142.779+/-206.327 χ^2/NDF:31.7/22

Out: 445.825+/-203.370 χ^2/NDF:50.3/27

All: 296.489+/-144.839 χ^2/NDF: 83.1/50

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 618.244+/-0.171 χ^2/NDF:841895.0/8

Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 587.117+/-0.174 χ^2/NDF:752235.6/6

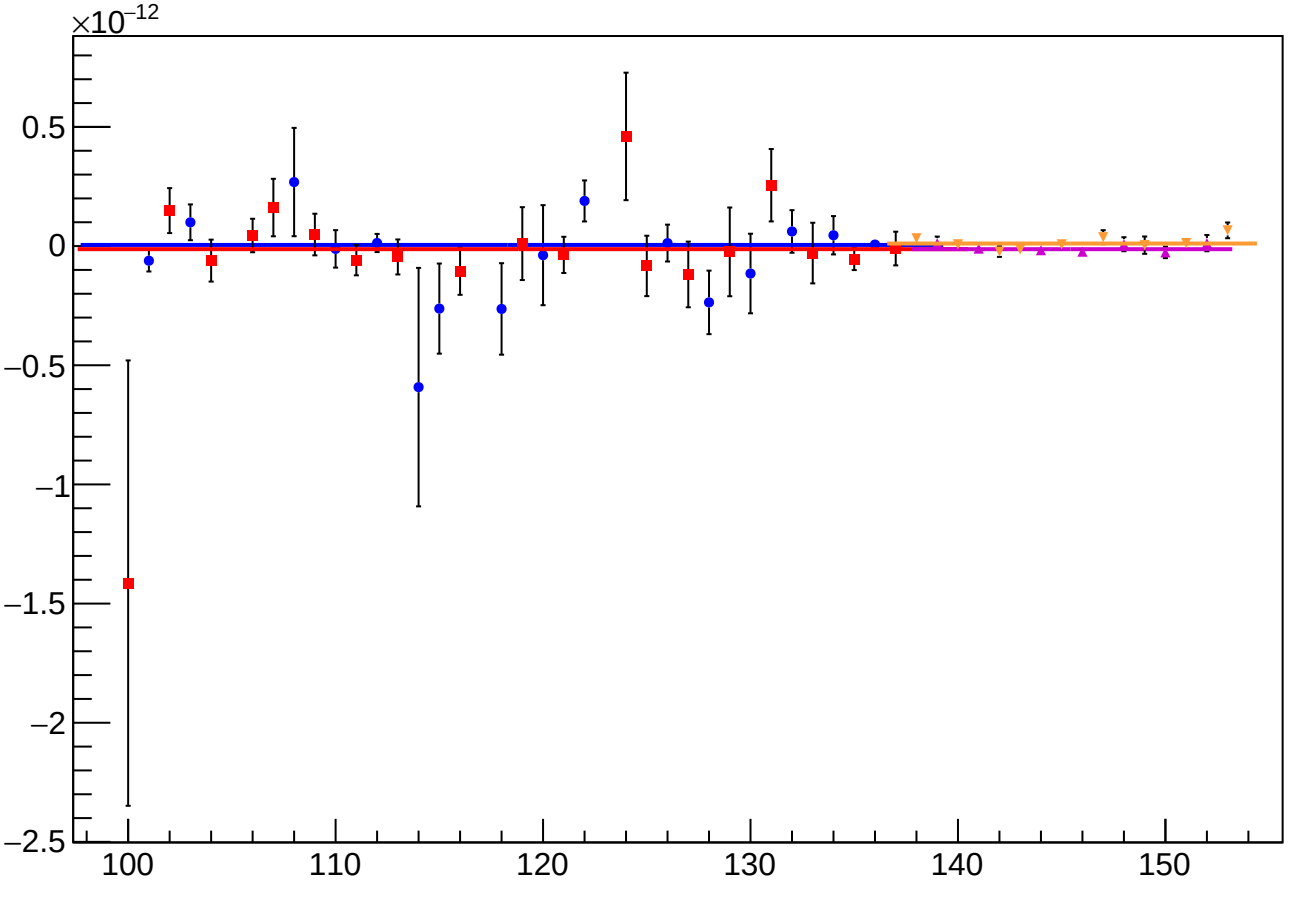
Left: 602.954+/-0.122 χ^2/NDF: 1610348.8/15

Right: 987.560+/-0.188 χ^2/NDF: 1458505.1/34

In: 705.278+/-0.146 χ^2/NDF:3022407.7/22

Out: 729.112+/-0.144 χ^2/NDF:2980118.6/27

All: 717.367+/-0.102 χ^2/NDF: 6016063.3/50



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.1/8

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:2.8/6

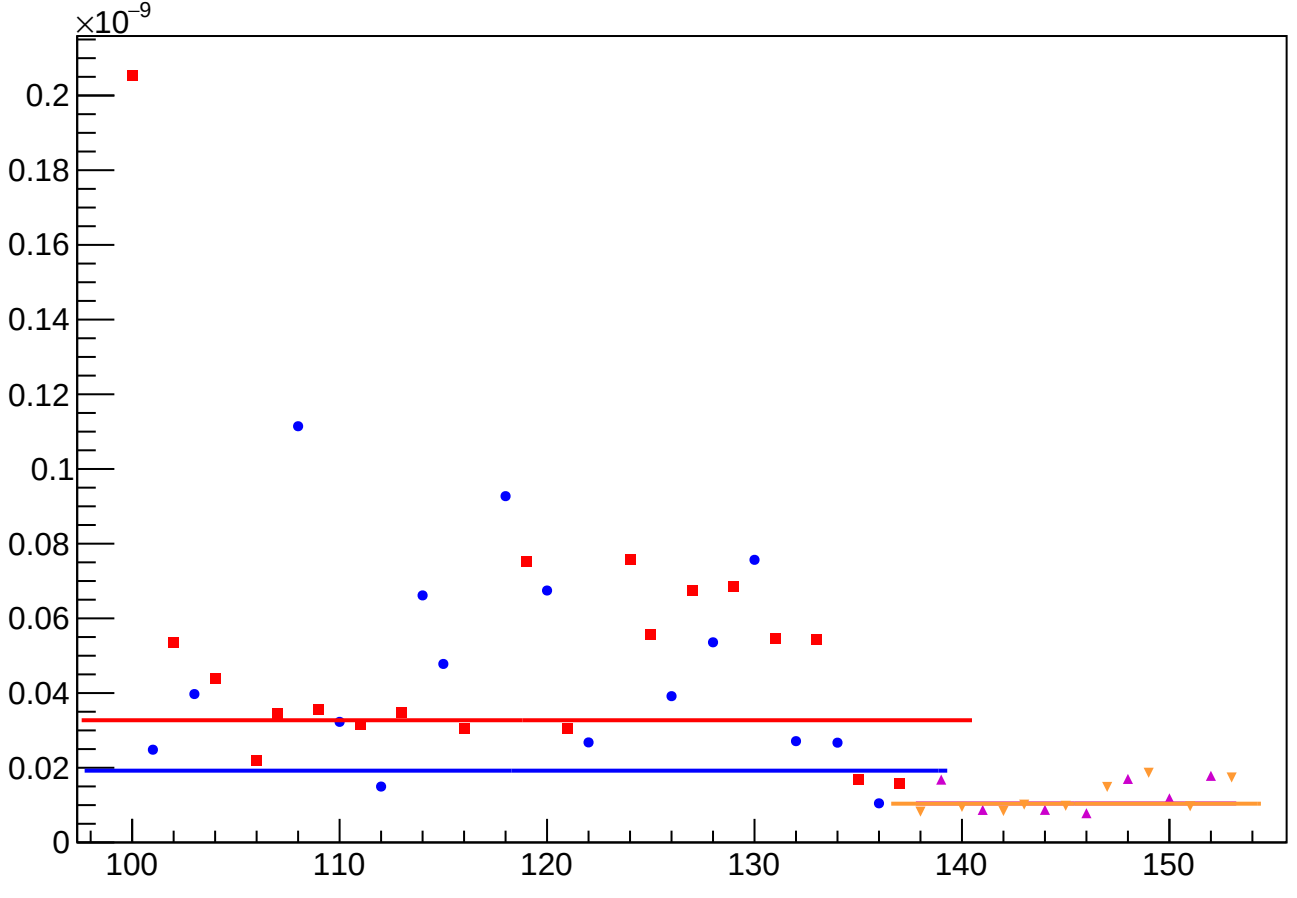
Left: -0.000+/-0.000 χ^2/NDF: 17.1/15

Right: -0.000+/-0.000 χ^2/NDF: 38.6/34

In: -0.000+/-0.000 χ^2/NDF:23.6/22

Out: 0.000+/-0.000 χ^2/NDF:28.7/27

All: -0.000+/-0.000 χ^2/NDF: 55.7/50



Right In: 0.000+/-0.000 χ^2/NDF: 1977908.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:295374.3/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1181327.3/18

Left In: 0.000+/-0.000 χ^2/NDF:411031.1/6

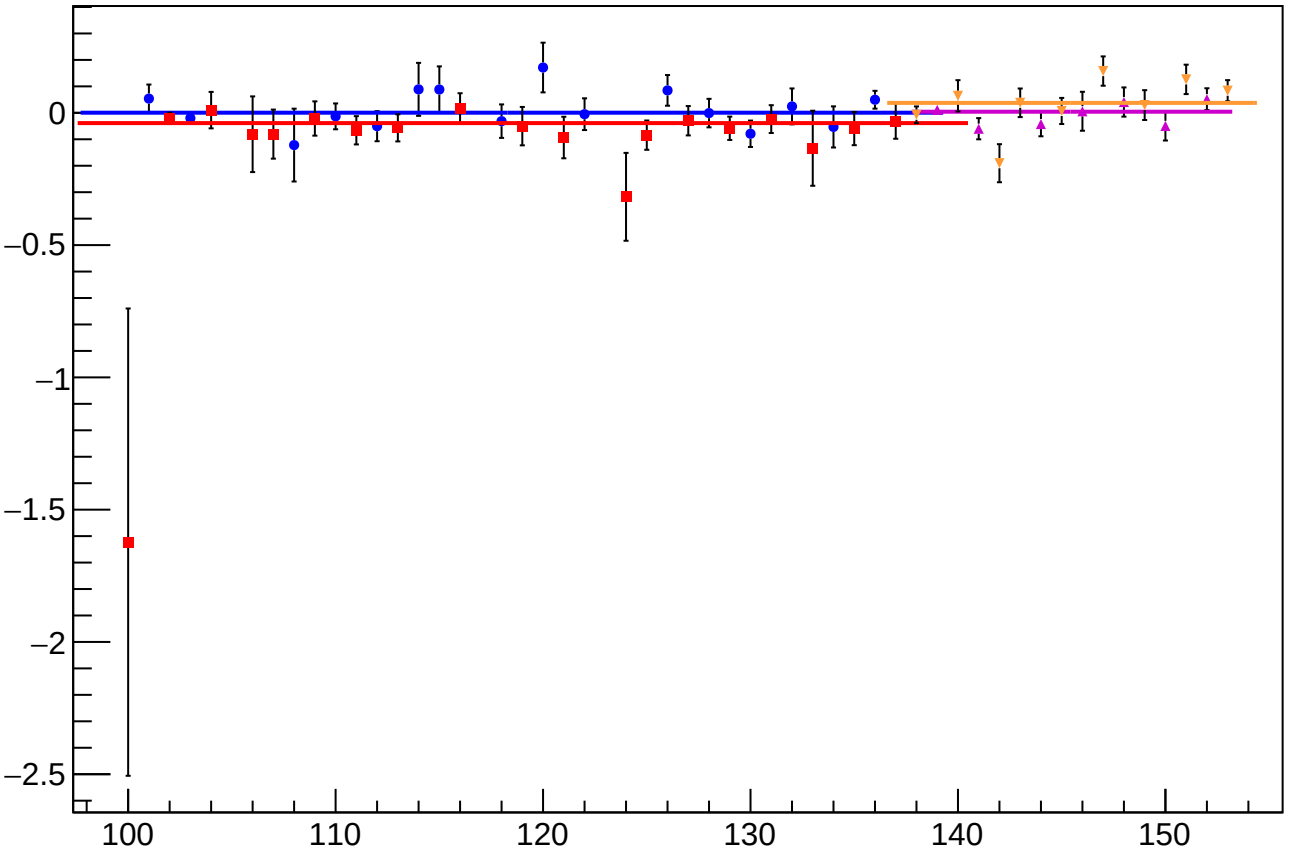
Left: 0.000+/-0.000 χ^2/NDF: 706492.0/15

Right: 0.000+/-0.000 χ^2/NDF: 3729954.2/34

In: 0.000+/-0.000 χ^2/NDF:2966679.6/22

Out: 0.000+/-0.000 χ^2/NDF:3555699.9/27

All: 0.000+/-0.000 χ^2/NDF: 6525105.3/50



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.038+/-0.016 χ^2/NDF:21.3/8

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.004+/-0.011 χ^2/NDF:6.6/6

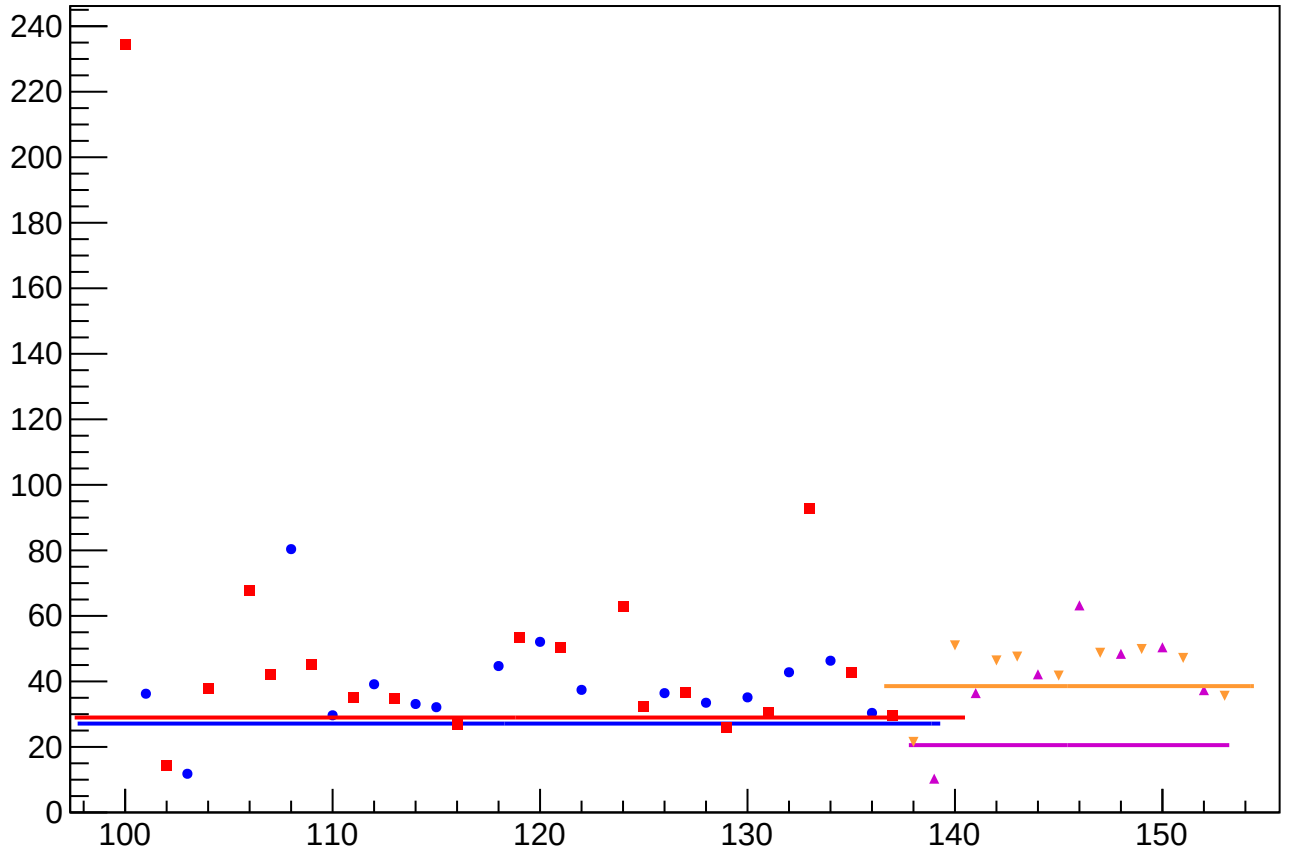
Left: 0.015+/-0.009 χ^2/NDF: 30.8/15

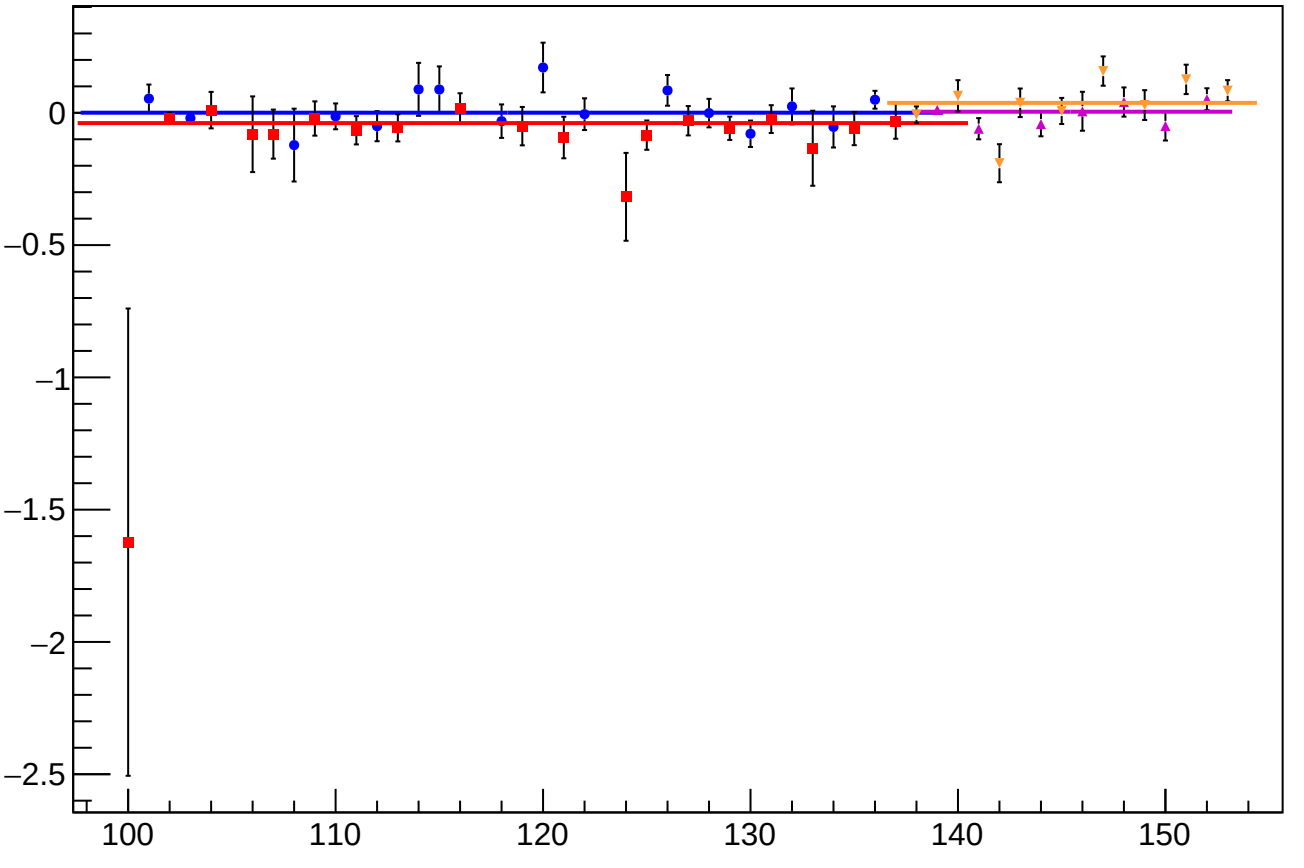
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.002+/-0.008 χ^2/NDF:23.1/22

Out: -0.010+/-0.010 χ^2/NDF:46.2/27

All: -0.002+/-0.006 χ^2/NDF: 70.3/50


asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
240
220
200
180
160
140
120
100
80
60
40
20
0
100
110
120
130
140
150
Right In: 27.128+/-0.009 χ²/NDF: 2415316.1/15
Left Out: 38.562+/-0.011 χ²/NDF:971816.9/8
Right Out: 28.979+/-0.009 χ²/NDF: 2456254.0/18
Left In: 20.551+/-0.008 χ²/NDF:4010520.2/6
Left: 26.360+/-0.006 χ²/NDF: 6669882.5/15
Right: 28.008+/-0.006 χ²/NDF: 4894073.5/34
In: 23.585+/-0.006 χ²/NDF:6747690.5/22
Out: 32.621+/-0.007 χ²/NDF:3865249.8/27
All: 27.226+/-0.004 χ²/NDF: 11597911.1/50



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.038+/-0.016 χ^2/NDF:21.3/8

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.004+/-0.011 χ^2/NDF:6.6/6

Left: 0.015+/-0.009 χ^2/NDF: 30.8/15

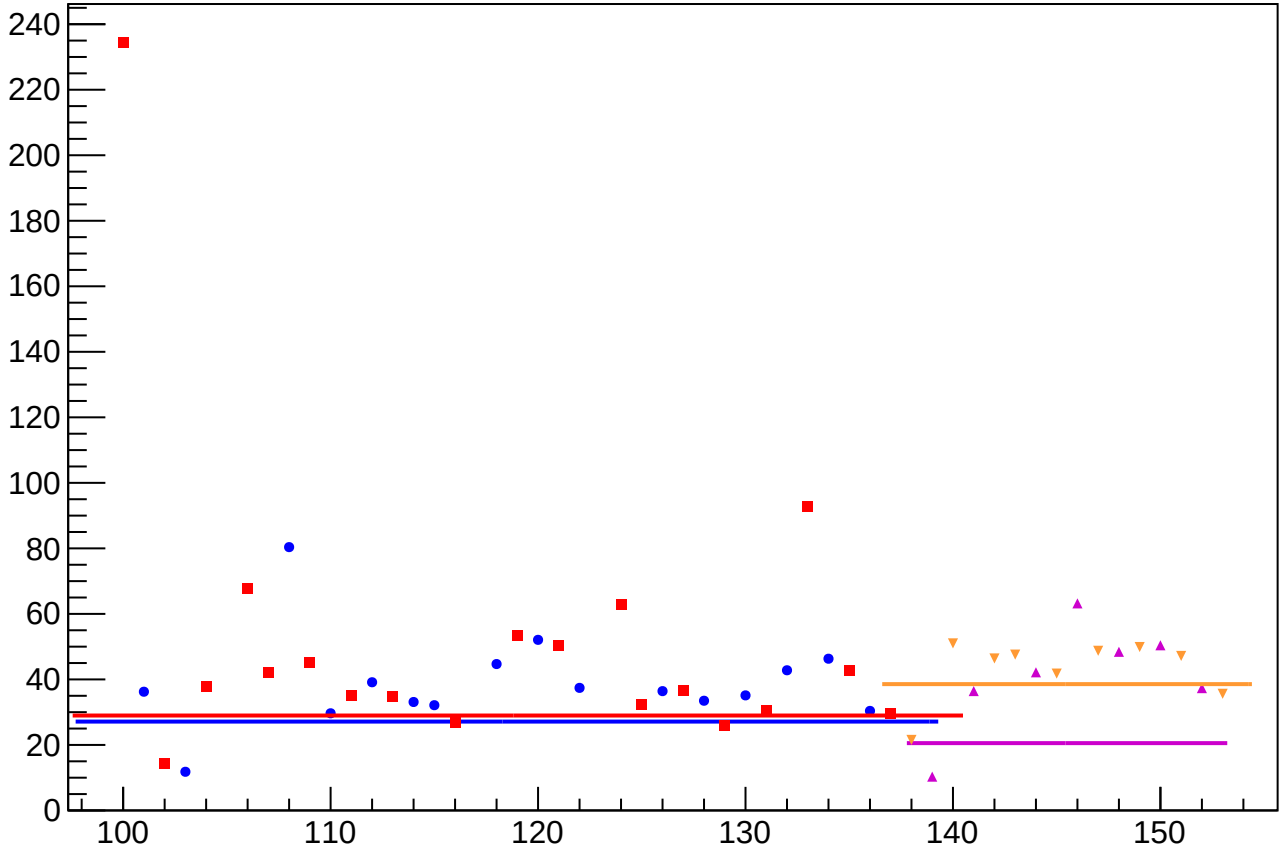
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.002+/-0.008 χ^2/NDF:23.1/22

Out: -0.010+/-0.010 χ^2/NDF:46.2/27

All: -0.002+/-0.006 χ^2/NDF: 70.3/50

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: 38.562+/-0.011 χ^2/NDF:971816.9/8

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 20.551+/-0.008 χ^2/NDF:4010520.2/6

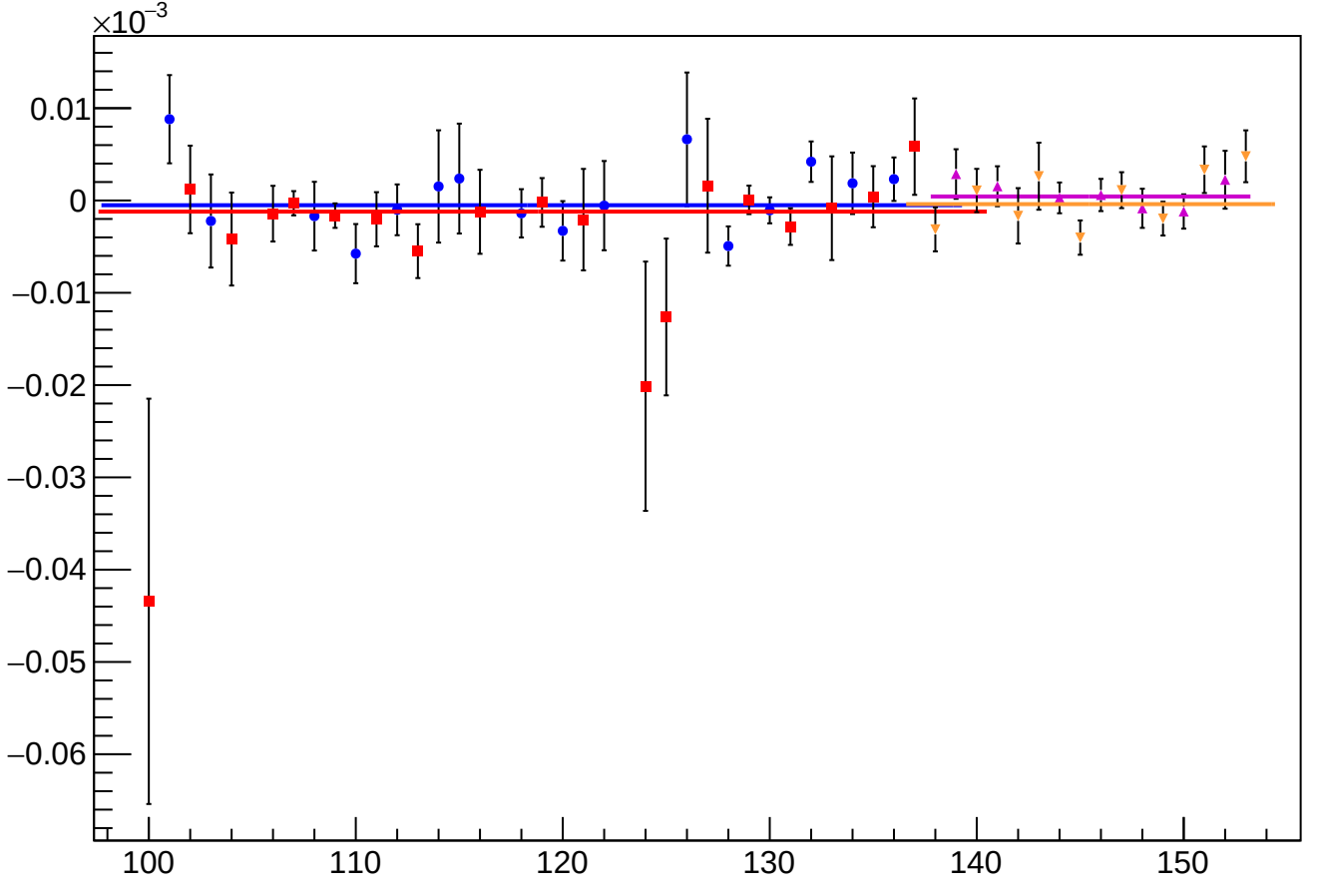
Left: 26.360+/-0.006 χ^2/NDF: 6669882.5/15

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 23.585+/-0.006 χ^2/NDF:6747690.5/22

Out: 32.621+/-0.007 χ^2/NDF:3865249.8/27

All: 27.226+/-0.004 χ^2/NDF: 11597911.1/50



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.3/8

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: 0.000+/-0.000 χ^2/NDF:2.6/6

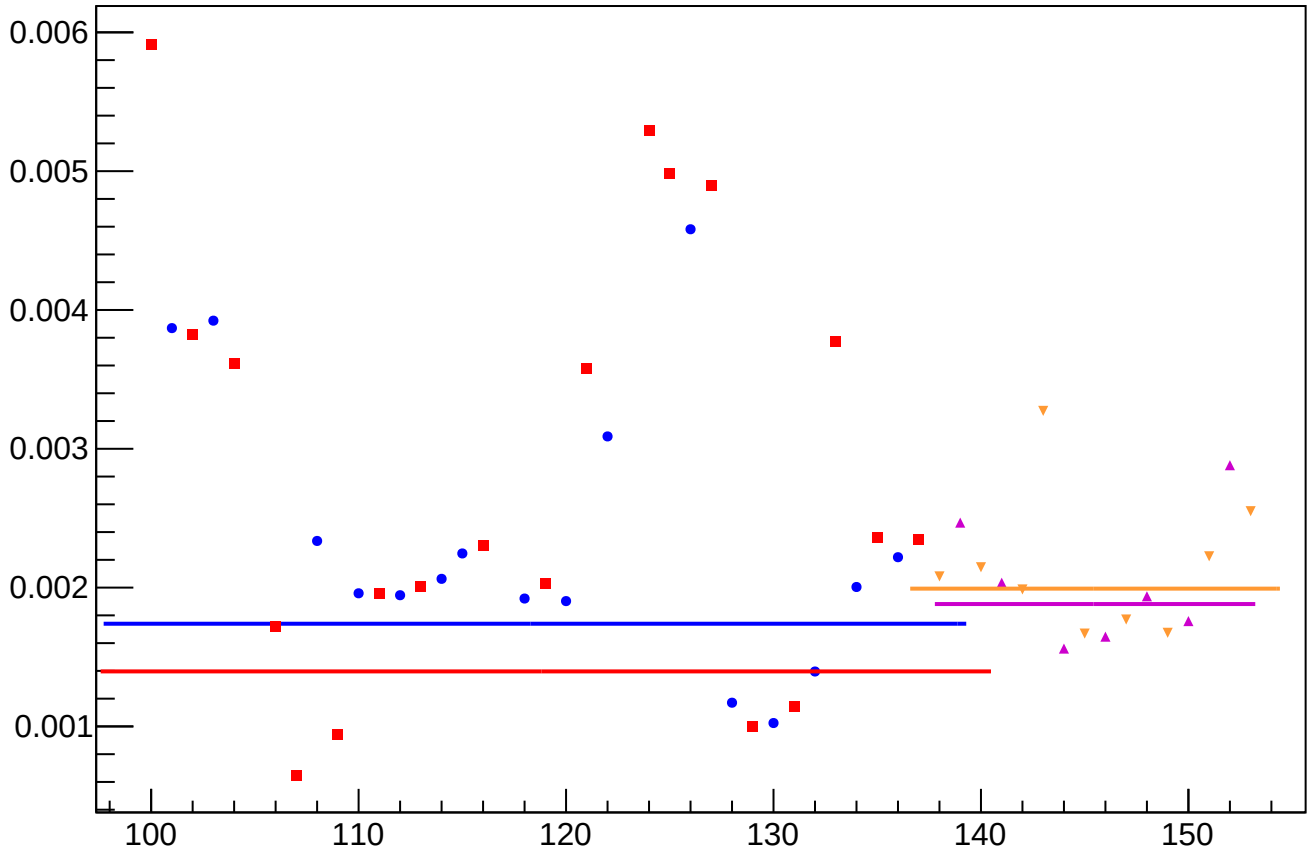
Left: 0.000+/-0.000 χ^2/NDF: 16.5/15

Right: -0.000+/-0.000 χ^2/NDF: 35.1/34

In: -0.000+/-0.000 χ^2/NDF:23.3/22

Out: -0.000+/-0.000 χ^2/NDF:28.6/27

All: -0.000+/-0.000 χ^2/NDF: 53.2/50



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:502913.2/8

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

Left In: 0.002+/-0.000 χ^2/NDF:429358.7/6

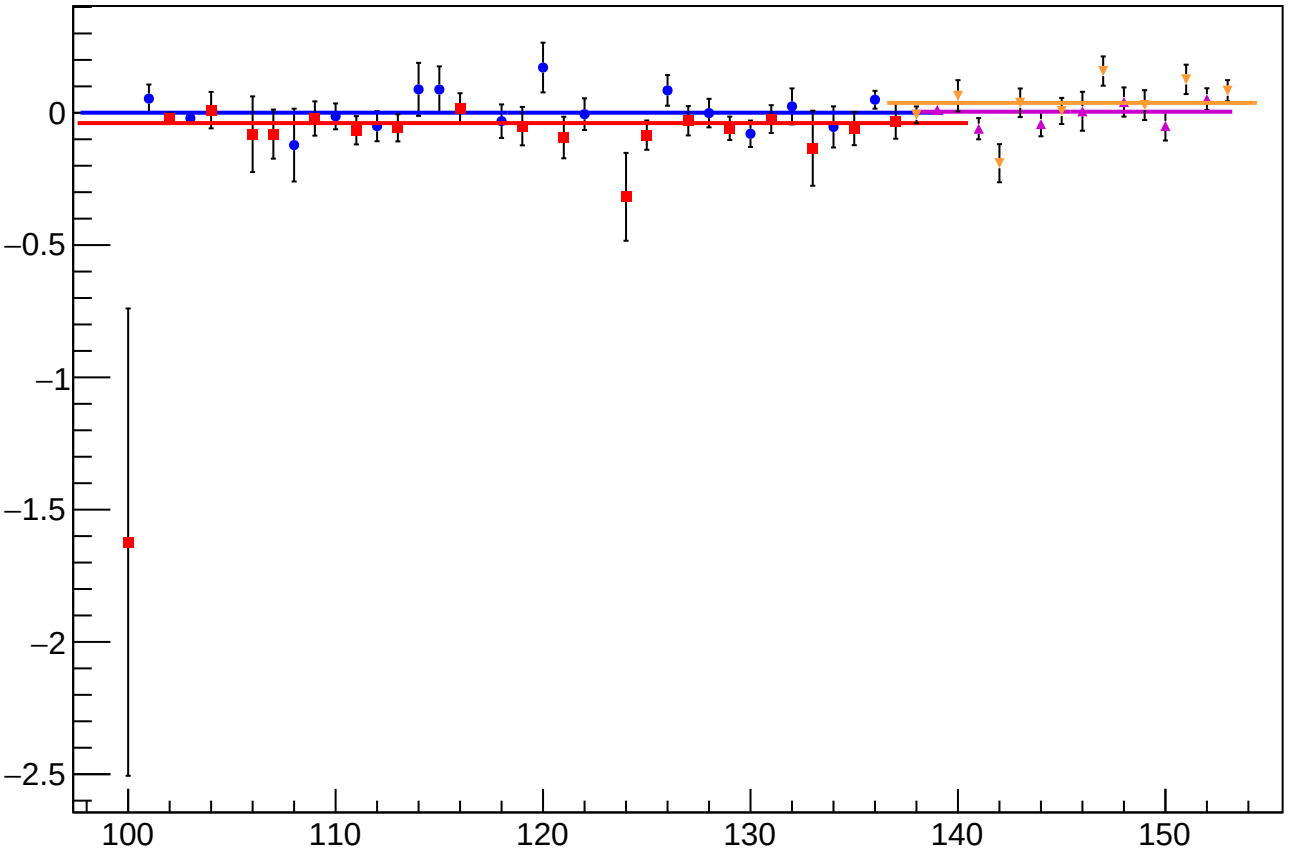
Left: 0.002+/-0.000 χ^2/NDF: 952786.8/15

Right: 0.002+/-0.000 χ^2/NDF: 6735676.7/34

In: 0.002+/-0.000 χ^2/NDF:2612155.3/22

Out: 0.002+/-0.000 χ^2/NDF:5559310.8/27

All: 0.002+/-0.000 χ^2/NDF: 8296919.5/50



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.038+/-0.016 χ^2/NDF:21.3/8

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.004+/-0.011 χ^2/NDF:6.6/6

Left: 0.015+/-0.009 χ^2/NDF: 30.8/15

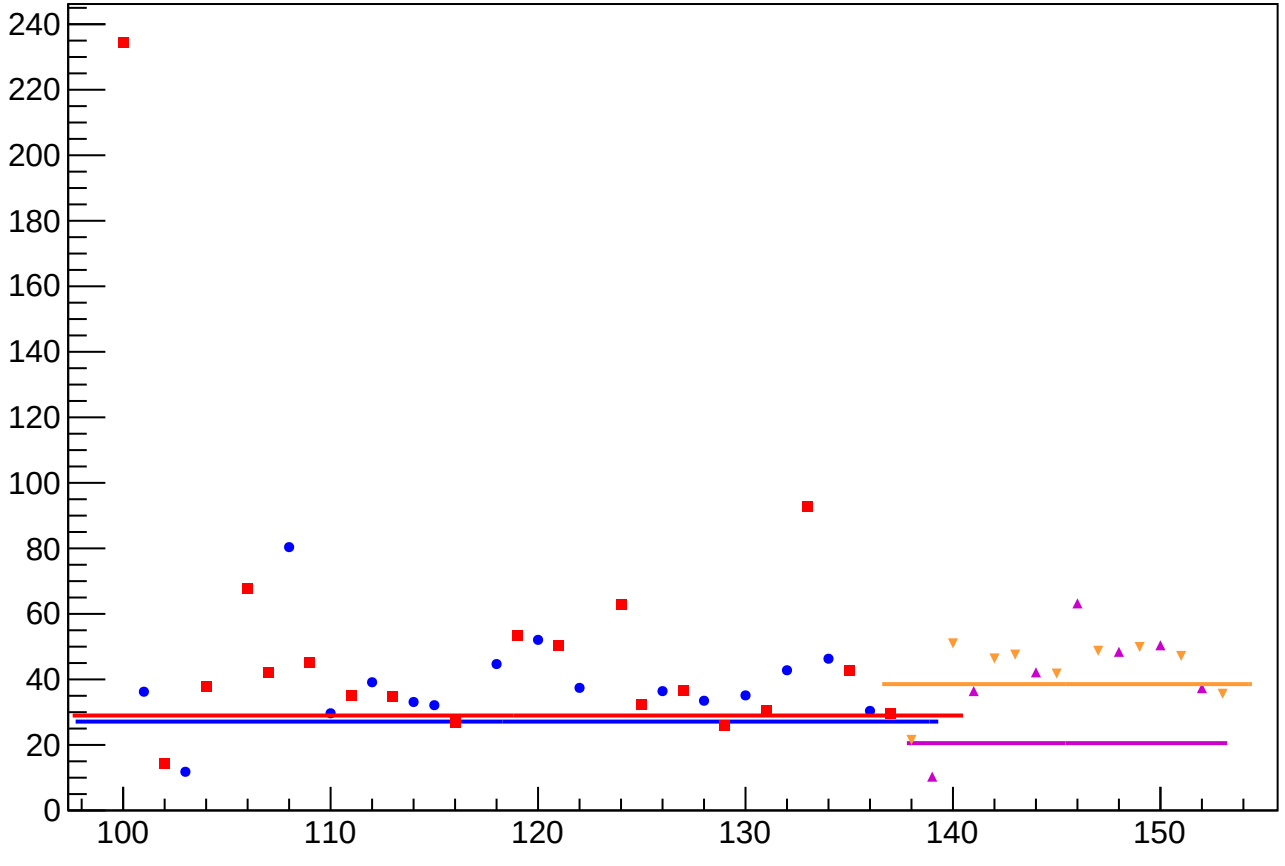
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.002+/-0.008 χ^2/NDF:23.1/22

Out: -0.010+/-0.010 χ^2/NDF:46.2/27

All: -0.002+/-0.006 χ^2/NDF: 70.3/50

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: 38.561+/-0.011 χ^2/NDF:972223.2/8

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 20.549+/-0.008 χ^2/NDF:4011084.0/6

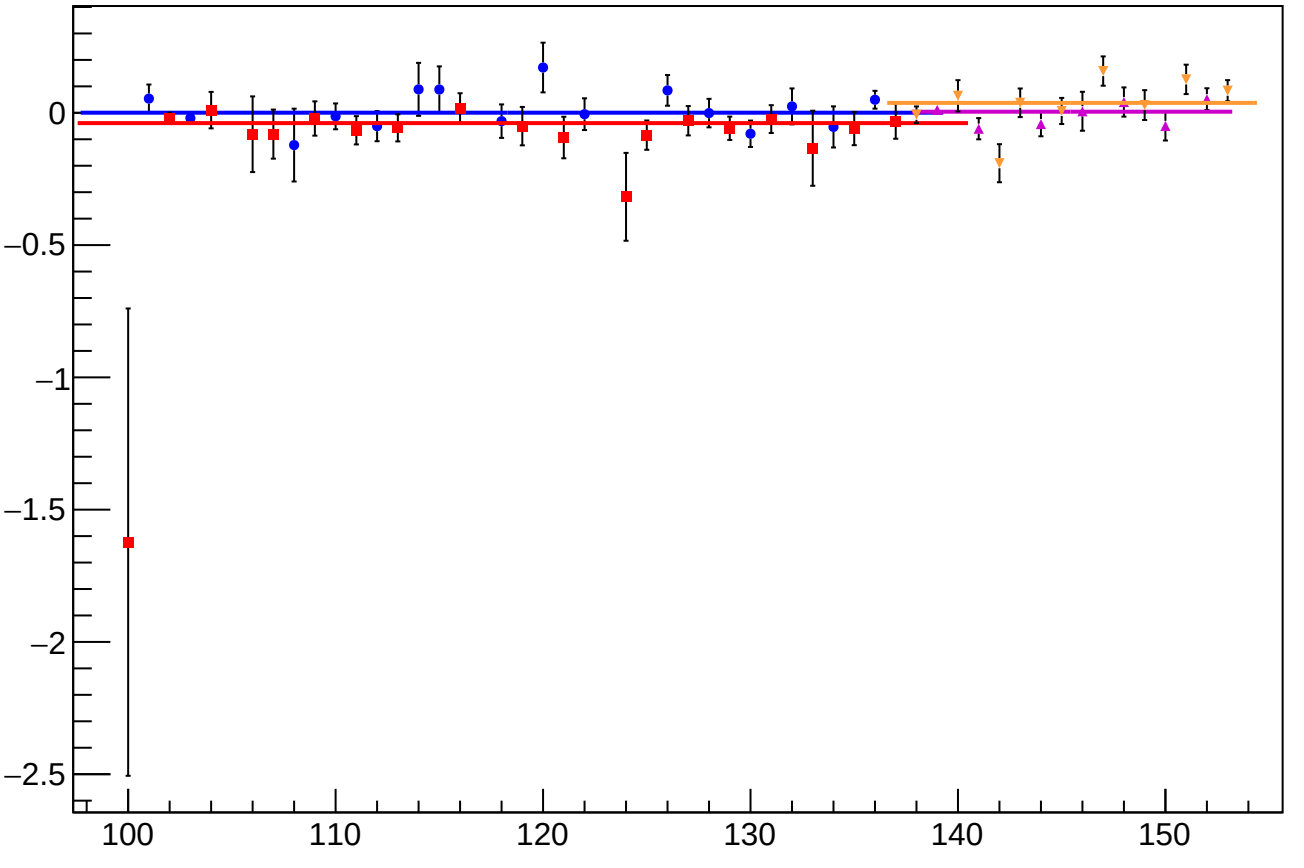
Left: 26.358+/-0.006 χ^2/NDF: 6671107.6/15

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 23.584+/-0.006 χ^2/NDF:6748748.2/22

Out: 32.623+/-0.007 χ^2/NDF:3864679.6/27

All: 27.225+/-0.004 χ^2/NDF: 11599087.9/50



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.038+/-0.016 χ^2/NDF:21.3/8

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: 0.004+/-0.011 χ^2/NDF:6.6/6

Left: 0.015+/-0.009 χ^2/NDF: 30.8/15

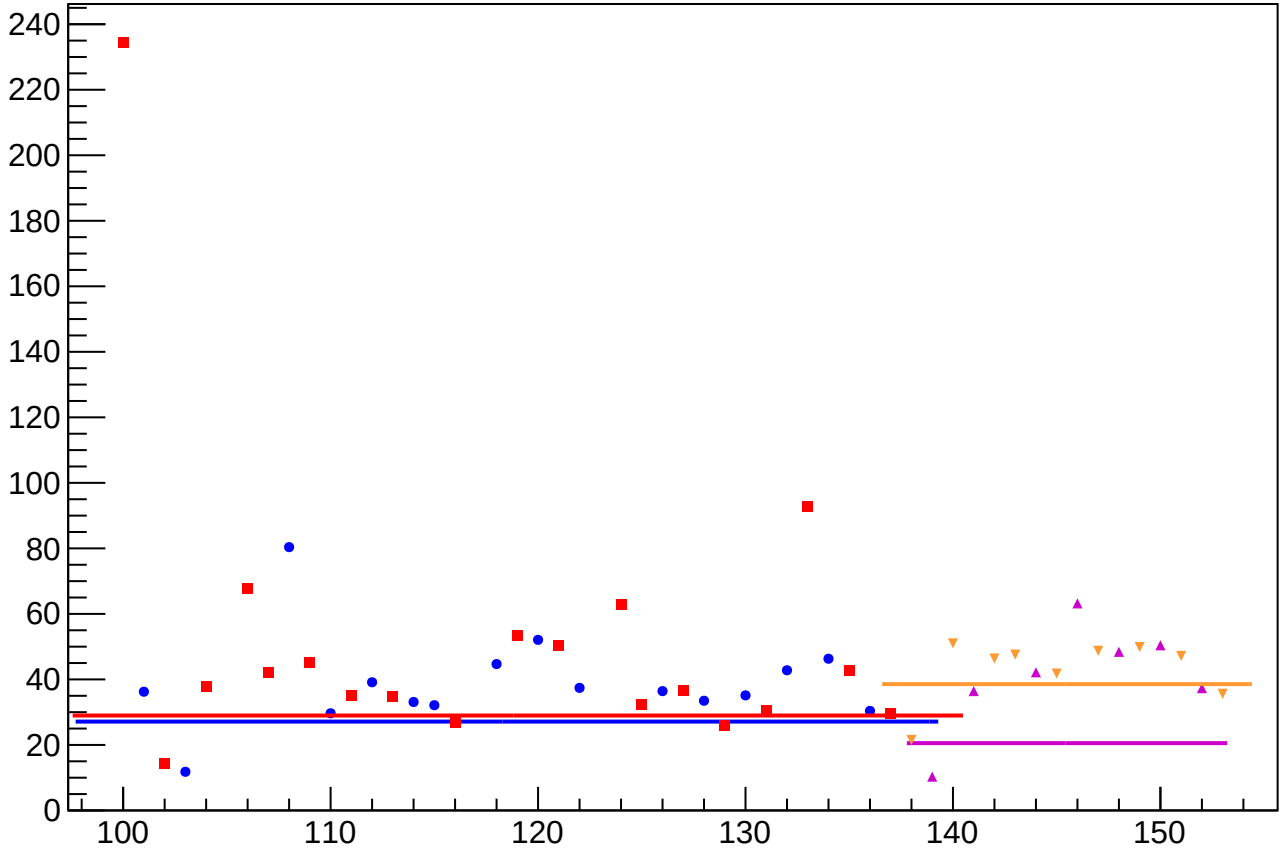
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: 0.002+/-0.008 χ^2/NDF:23.1/22

Out: -0.010+/-0.010 χ^2/NDF:46.2/27

All: -0.002+/-0.006 χ^2/NDF: 70.3/50

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: 38.561+/-0.011 χ^2/NDF:972223.2/8

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 20.549+/-0.008 χ^2/NDF:4011084.0/6

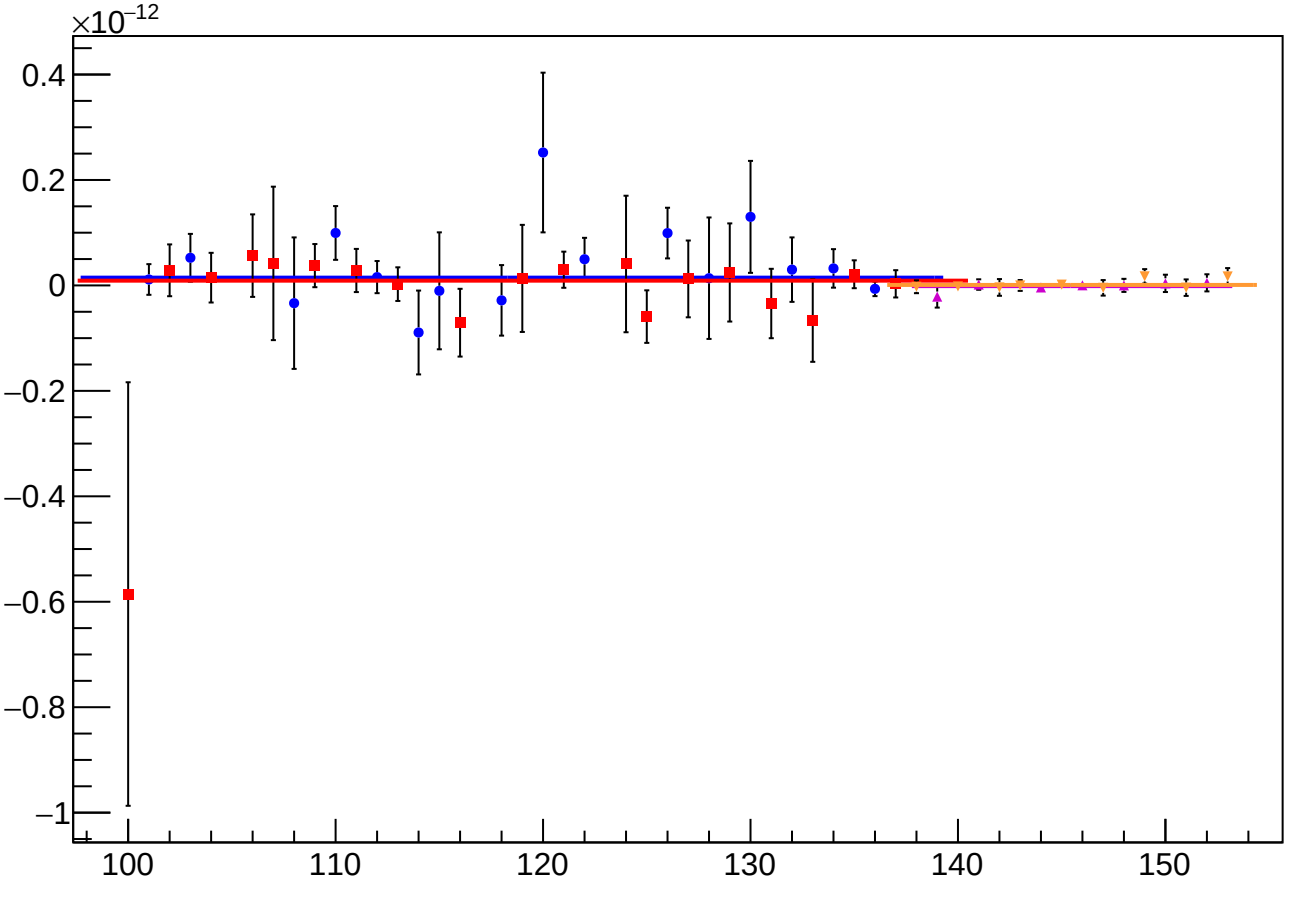
Left: 26.358+/-0.006 χ^2/NDF: 6671107.6/15

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 23.584+/-0.006 χ^2/NDF:6748748.2/22

Out: 32.623+/-0.007 χ^2/NDF:3864679.6/27

All: 27.225+/-0.004 χ^2/NDF: 11599087.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.1/8

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: -0.000+/-0.000 χ^2/NDF:1.5/6

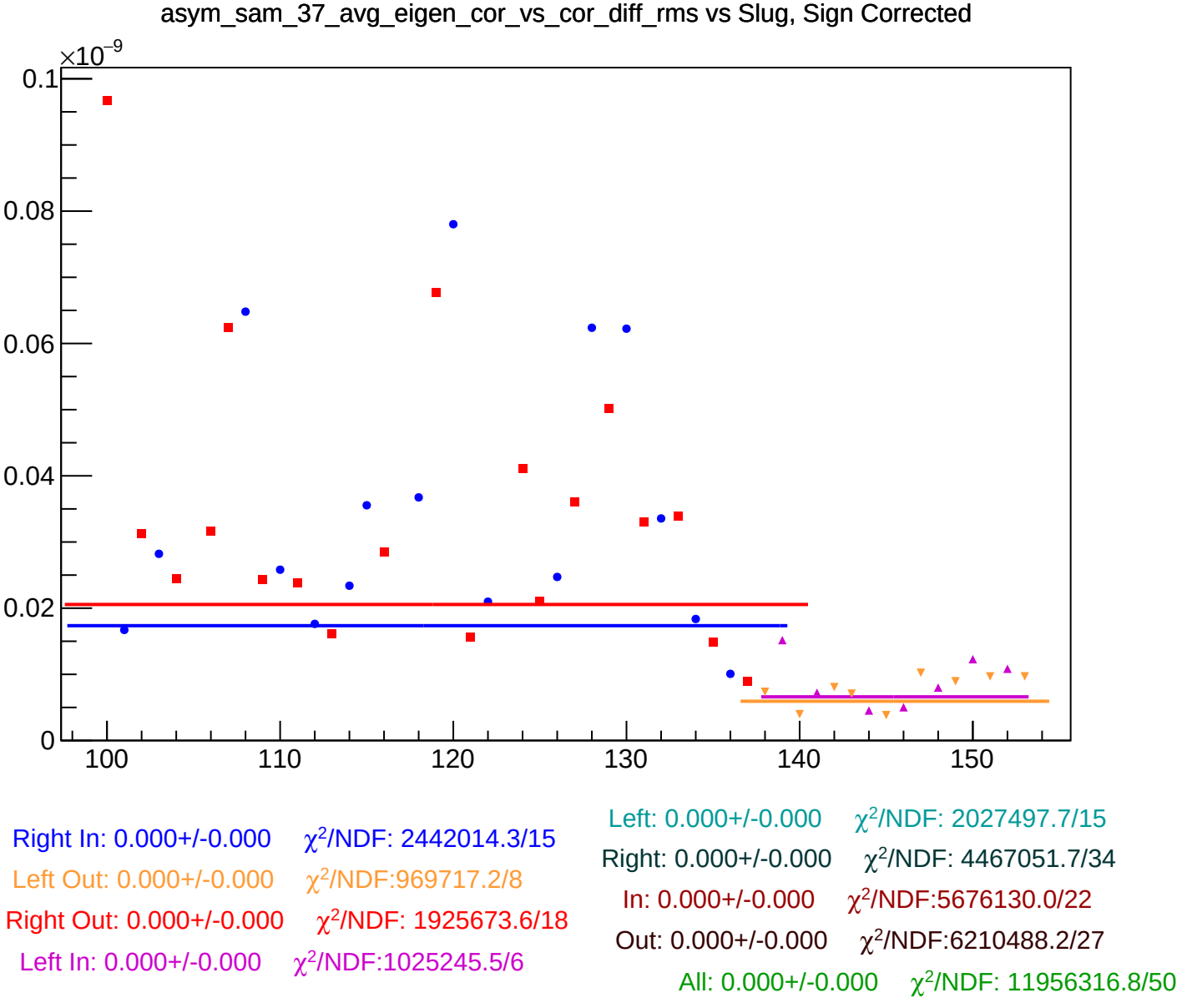
Left: -0.000+/-0.000 χ^2/NDF: 4.7/15

Right: 0.000+/-0.000 χ^2/NDF: 25.1/34

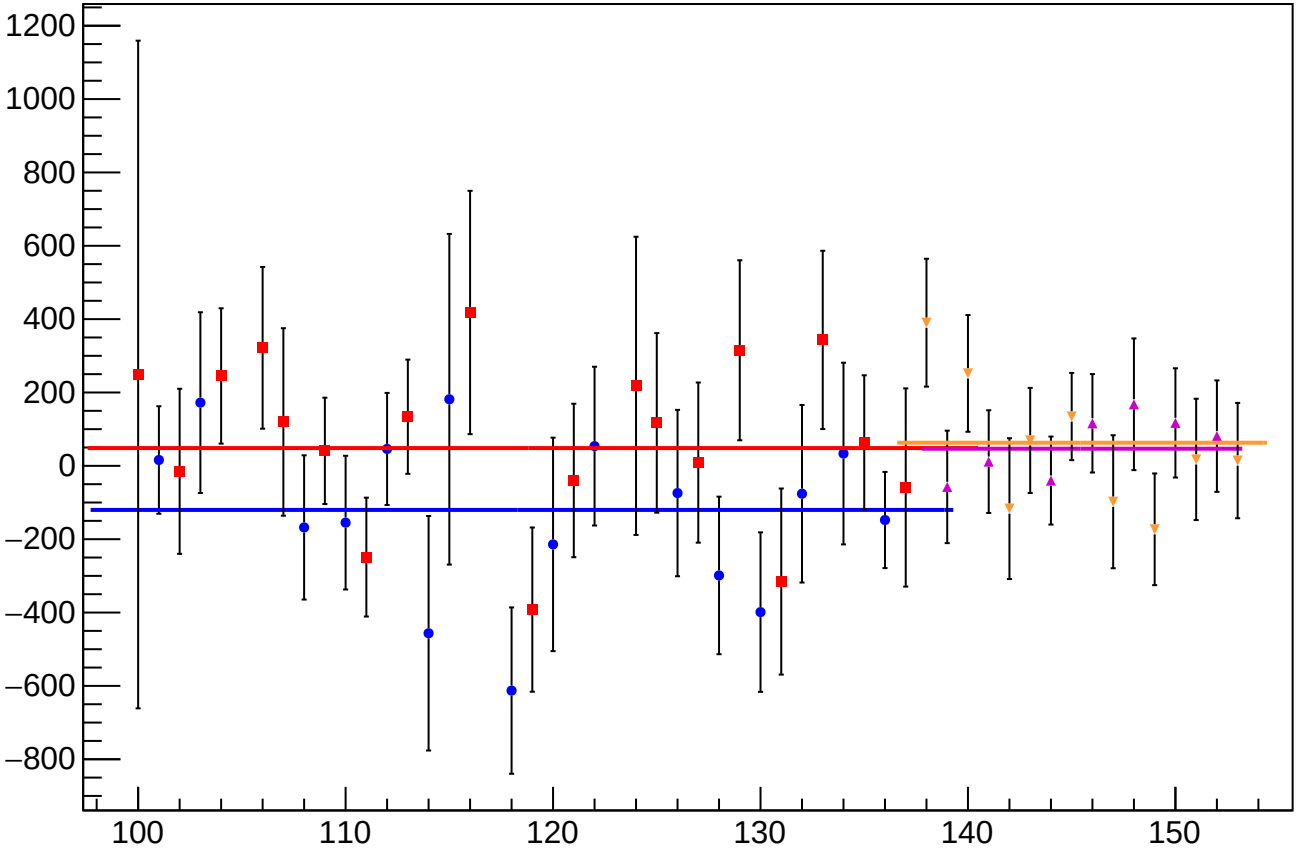
In: 0.000+/-0.000 χ^2/NDF:19.9/22

Out: 0.000+/-0.000 χ^2/NDF:12.6/27

All: 0.000+/-0.000 χ^2/NDF: 32.5/50


asym_sam_37_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2442014.3/15
Left Out: 0.000+/-0.000 χ²/NDF:969717.2/8
Right Out: 0.000+/-0.000 χ²/NDF: 1925673.6/18
Left In: 0.000+/-0.000 χ²/NDF:1025245.5/6
Left: 0.000+/-0.000 χ²/NDF: 2027497.7/15
Right: 0.000+/-0.000 χ²/NDF: 4467051.7/34
In: 0.000+/-0.000 χ²/NDF:5676130.0/22
Out: 0.000+/-0.000 χ²/NDF:6210488.2/27
All: 0.000+/-0.000 χ²/NDF: 11956316.8/50

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 63.071+/-52.023 χ^2/NDF:9.5/8

Right Out: 48.449+/-49.910 χ^2/NDF: 17.0/18

Left In: 46.739+/-54.397 χ^2/NDF:2.0/6

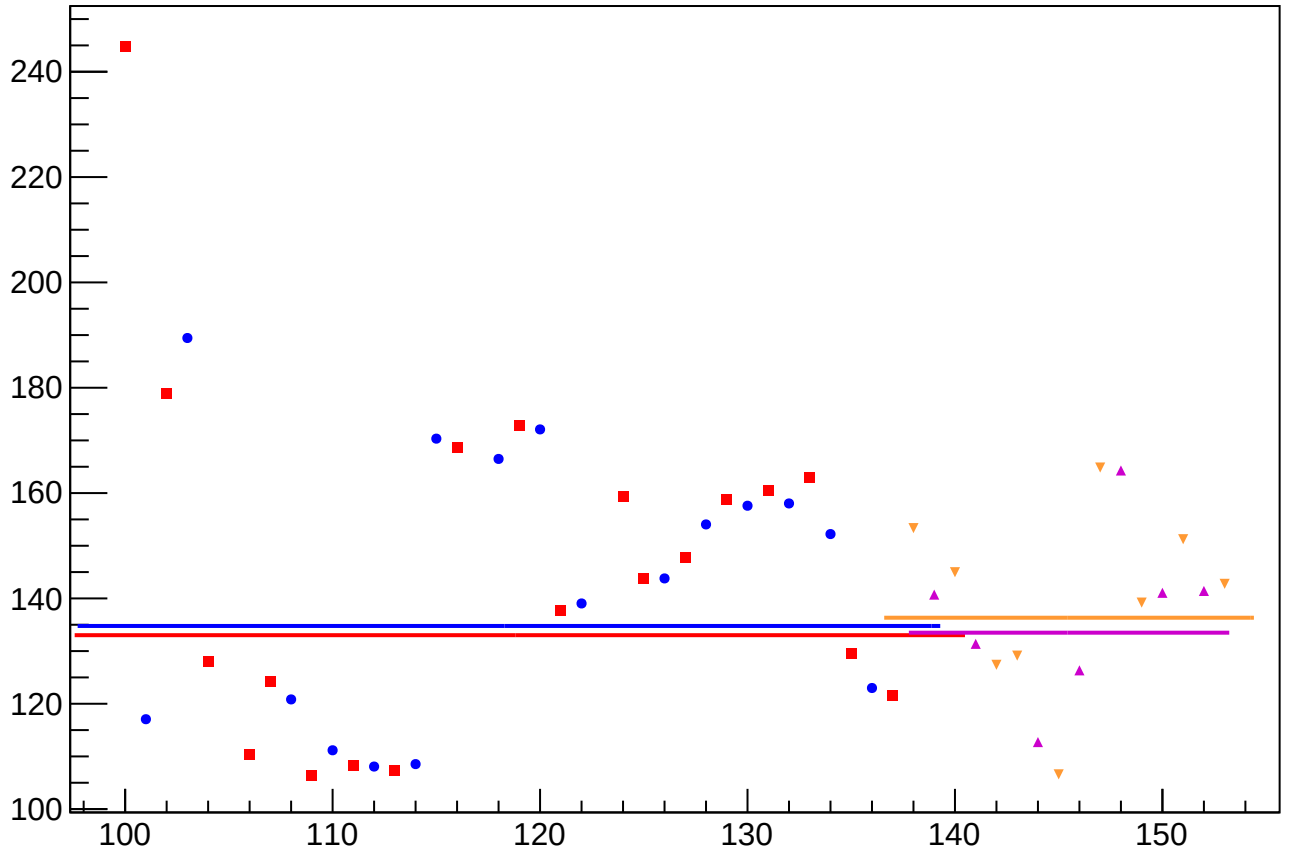
Left: 55.269+/-37.597 χ^2/NDF: 11.6/15

Right: -33.863+/-35.706 χ^2/NDF: 36.0/34

In: -41.916+/-37.246 χ^2/NDF:20.5/22

Out: 55.457+/-36.016 χ^2/NDF:26.6/27

All: 8.405+/-25.891 χ^2/NDF: 50.6/50



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 136.335+/-0.037 χ^2/NDF:229207.7/8

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

Left In: 133.494+/-0.038 χ^2/NDF:139966.7/6

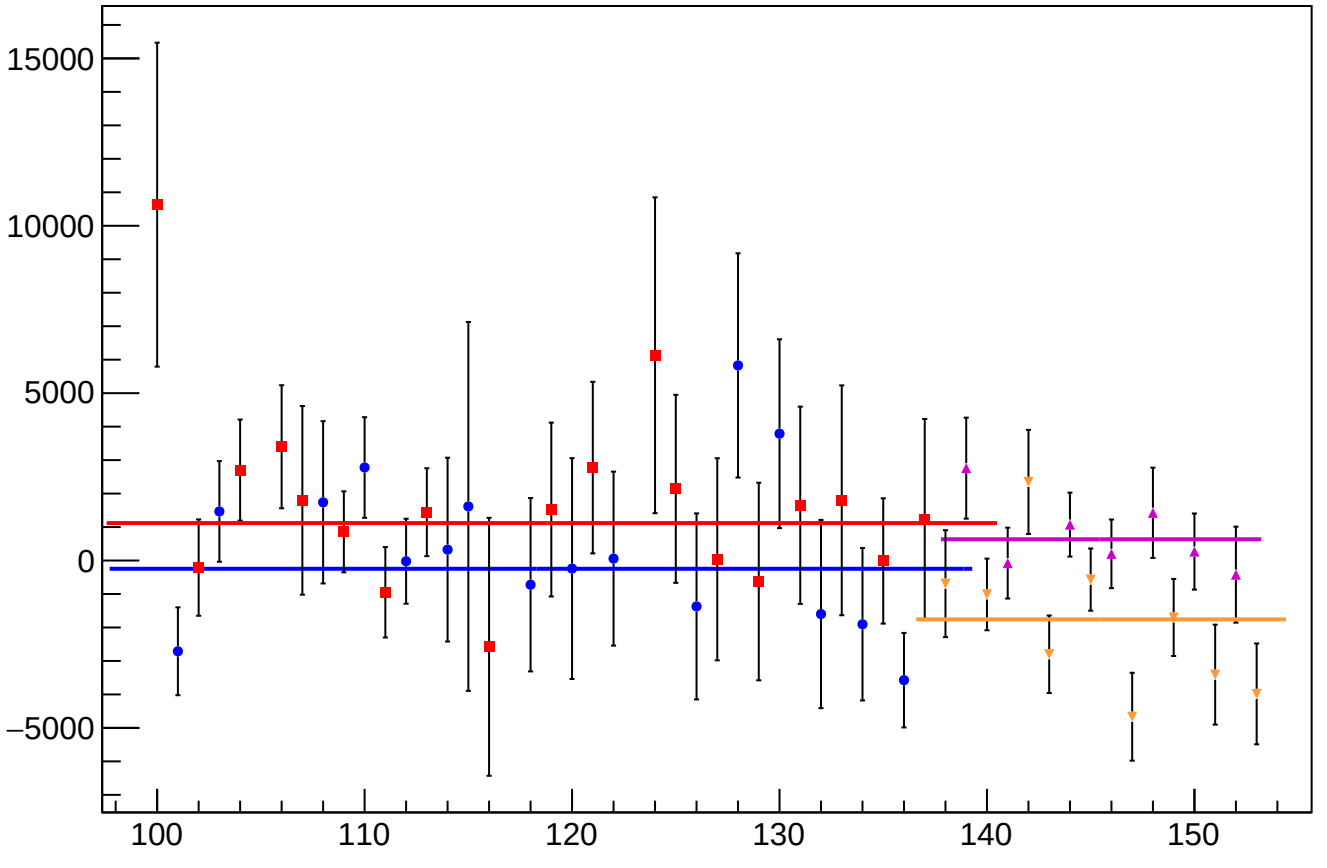
Left: 134.978+/-0.027 χ^2/NDF: 372025.2/15

Right: 133.875+/-0.025 χ^2/NDF: 913698.6/34

In: 134.172+/-0.026 χ^2/NDF:557331.5/22

Out: 134.609+/-0.025 χ^2/NDF:729155.9/27

All: 134.398+/-0.018 χ^2/NDF: 1286629.2/50



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -1757.729+/-415.007 χ^2/NDF:18.7/8

Right Out: 1119.420+/-468.400 χ^2/NDF: 13.4/18

Left In: 635.499+/-439.034 χ^2/NDF:3.8/6

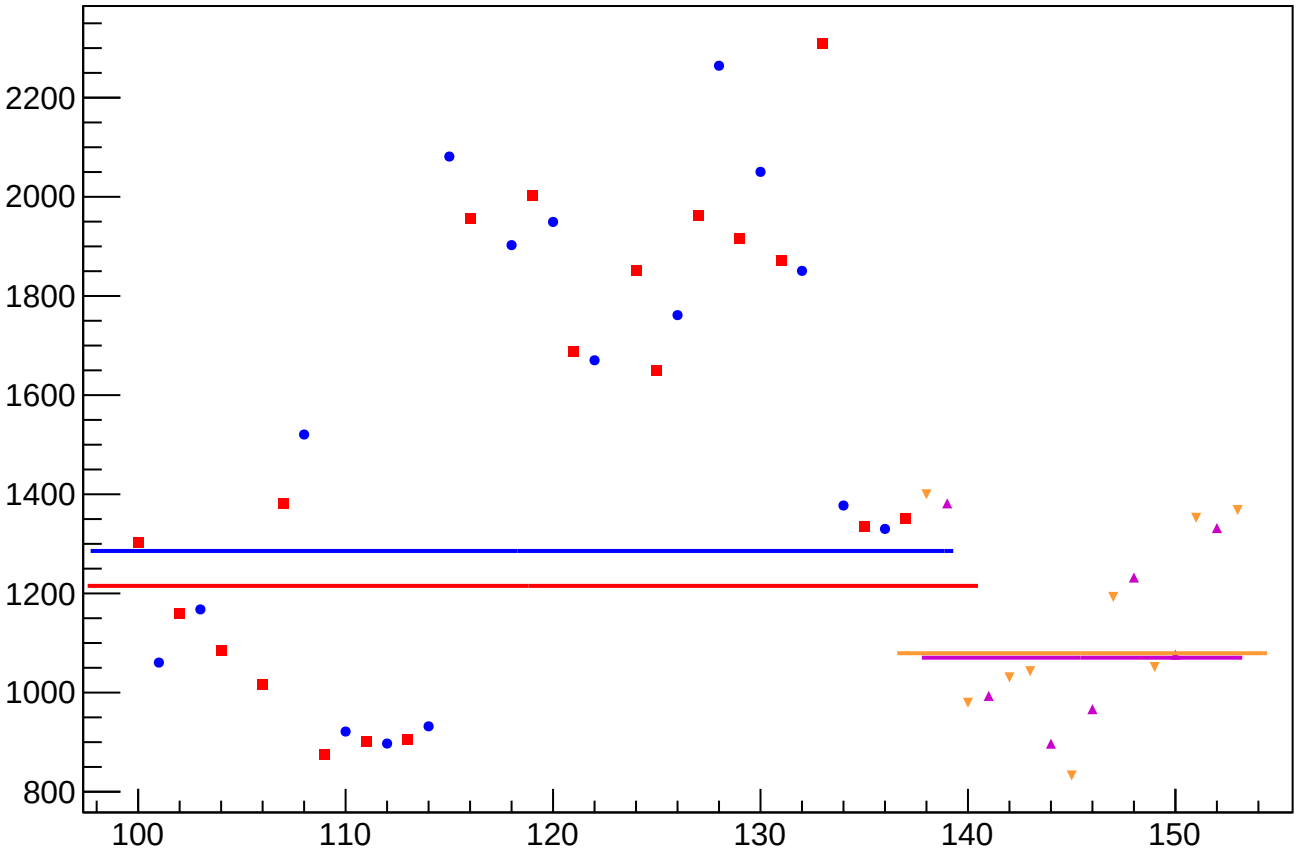
Left: -628.391+/-301.591 χ^2/NDF: 38.2/15

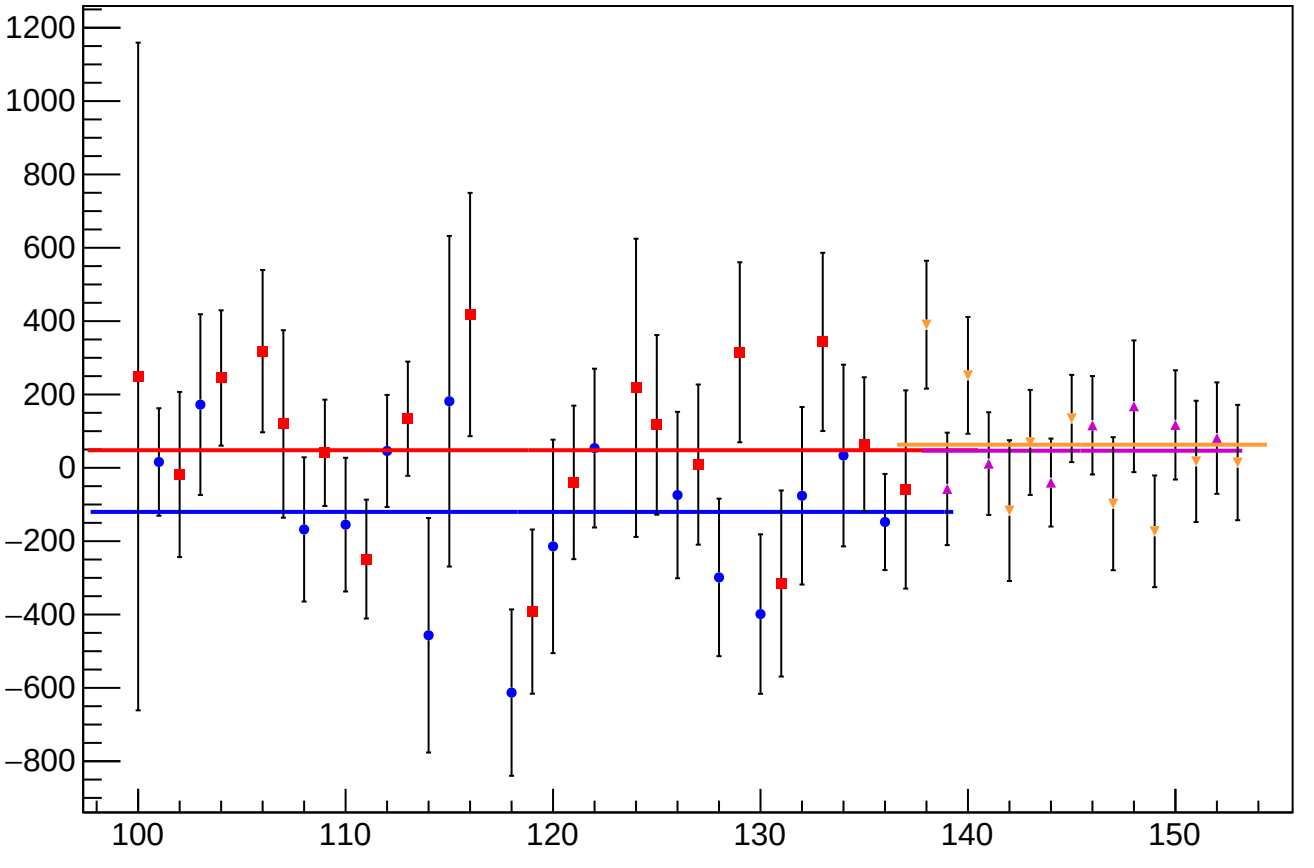
Right: 482.970+/-342.285 χ^2/NDF: 39.0/34

In: 252.808+/-330.310 χ^2/NDF:27.2/22

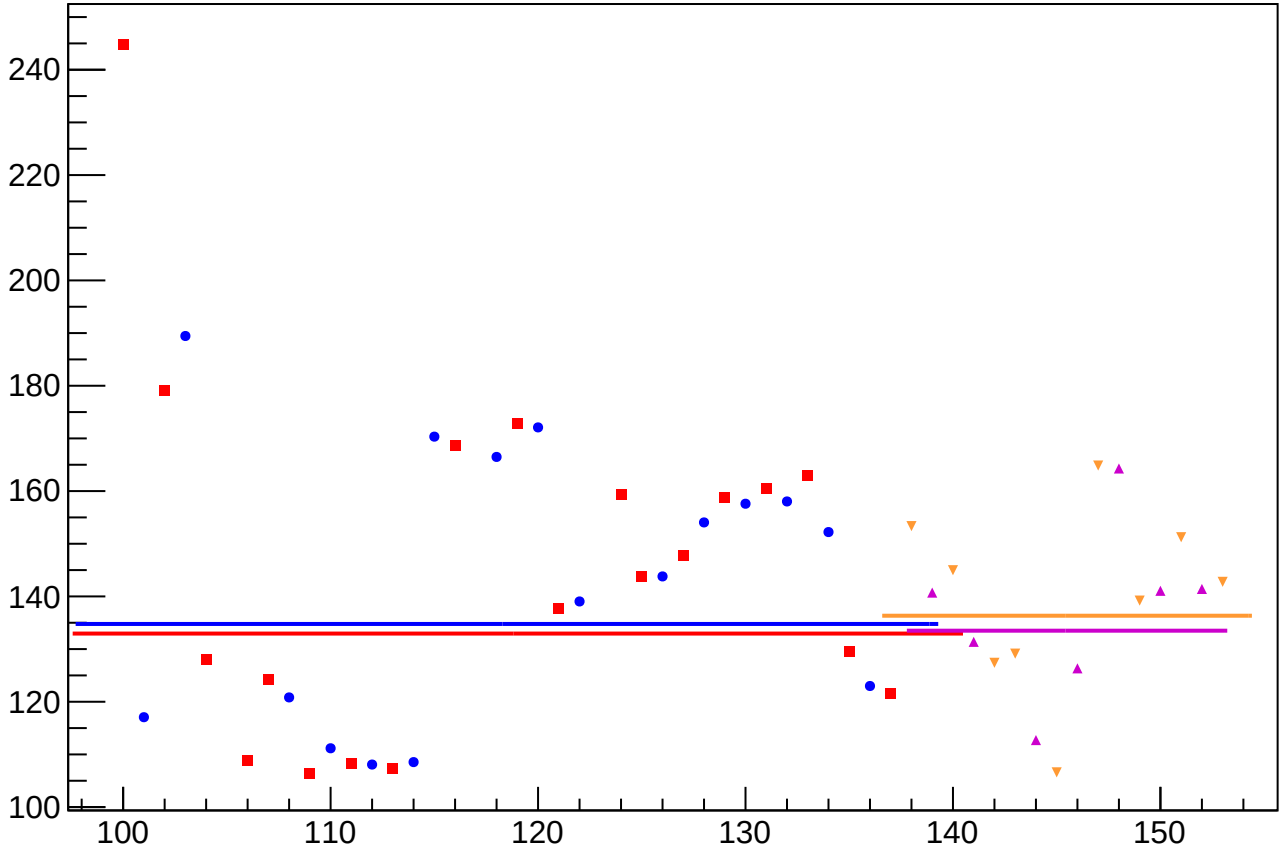
Out: -492.415+/-310.624 χ^2/NDF:53.2/27

All: -142.671+/-226.284 χ^2/NDF: 83.1/50


asym_sam_48_avg_reg_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
Right In: 1285.668+/-0.355 χ²/NDF: 1170437.4/15
Left Out: 1079.408+/-0.293 χ²/NDF:399077.2/8
Right Out: 1215.237+/-0.331 χ²/NDF: 1386290.4/18
Left In: 1070.375+/-0.310 χ²/NDF:277528.8/6
Left: 1075.145+/-0.213 χ²/NDF: 677053.1/15
Right: 1248.058+/-0.242 χ²/NDF: 2577799.9/34
In: 1163.804+/-0.234 χ²/NDF:1656677.6/22
Out: 1139.143+/-0.220 χ²/NDF:1879587.0/27
All: 1150.717+/-0.160 χ²/NDF: 3542180.7/50


cor_asym_sam_48_avg_mean vs Slug, Sign Corrected
1200
1000
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
Right In: -120.169+/-51.103 χ²/NDF: 13.4/15
Left Out: 63.084+/-52.023 χ²/NDF:9.5/8
Right Out: 48.013+/-49.919 χ²/NDF: 17.0/18
Left In: 46.745+/-54.397 χ²/NDF:2.0/6
Left: 55.279+/-37.597 χ²/NDF: 11.6/15
Right: -34.107+/-35.709 χ²/NDF: 35.9/34
In: -41.919+/-37.246 χ²/NDF:20.5/22
Out: 55.238+/-36.019 χ²/NDF:26.5/27
All: 8.286+/-25.892 χ²/NDF: 50.5/50

cor_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 136.335+/-0.037 χ^2/NDF:229207.6/8

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 133.494+/-0.038 χ^2/NDF:139966.7/6

Left: 134.978+/-0.027 χ^2/NDF: 372025.2/15

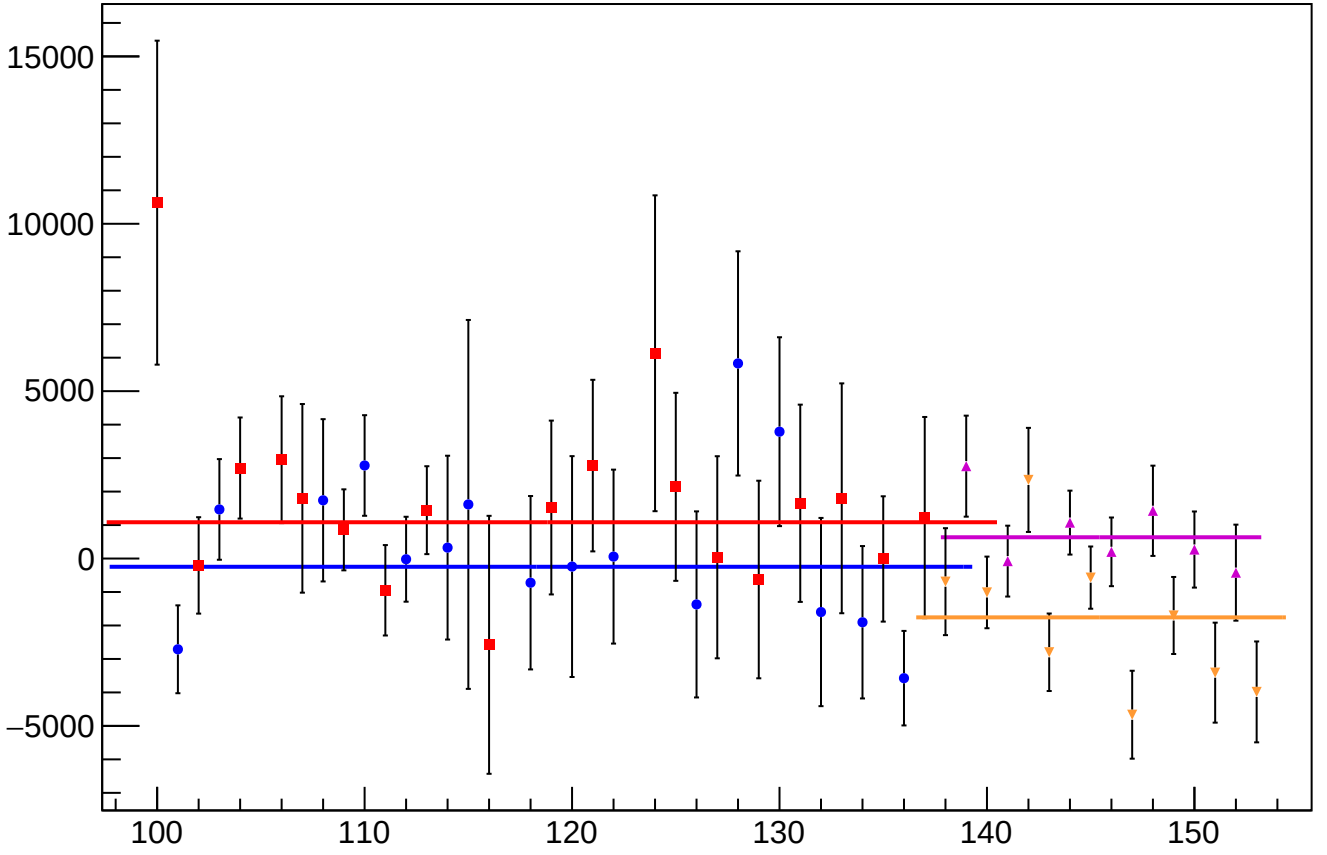
Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 134.172+/-0.026 χ^2/NDF:557334.6/22

Out: 134.571+/-0.025 χ^2/NDF:732475.4/27

All: 134.378+/-0.018 χ^2/NDF: 1289928.5/50

asym_sam_48_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1757.718+/-415.007 χ^2/NDF:18.7/8

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 635.511+/-439.034 χ^2/NDF:3.8/6

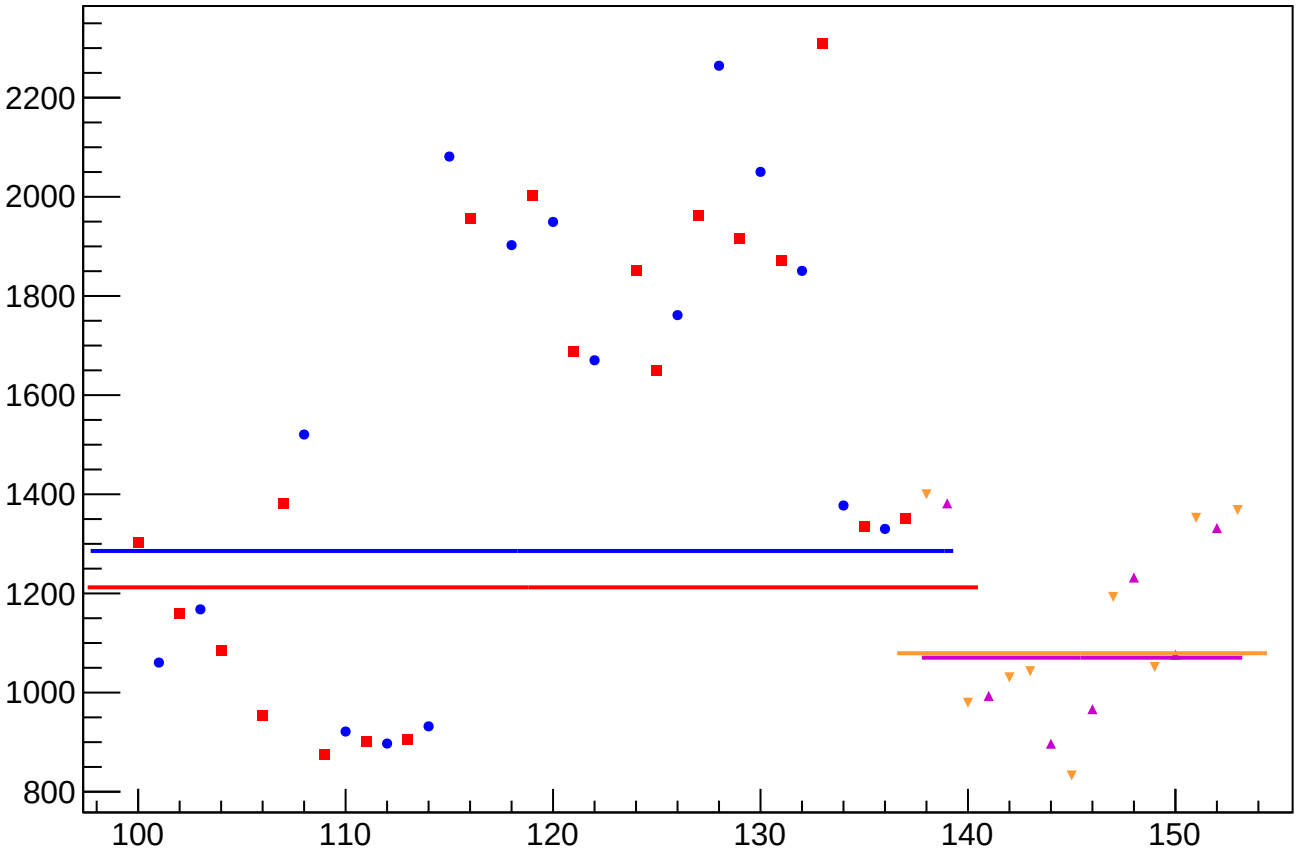
Left: -628.380+/-301.591 χ^2/NDF: 38.2/15

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 252.788+/-330.311 χ^2/NDF:27.2/22

Out: -510.703+/-310.893 χ^2/NDF:52.0/27

All: -152.058+/-226.388 χ^2/NDF: 82.0/50


asym_sam_48_avg_cor_correction_rms vs Slug, Sign Corrected
2200
2000
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1400
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1000
800
100
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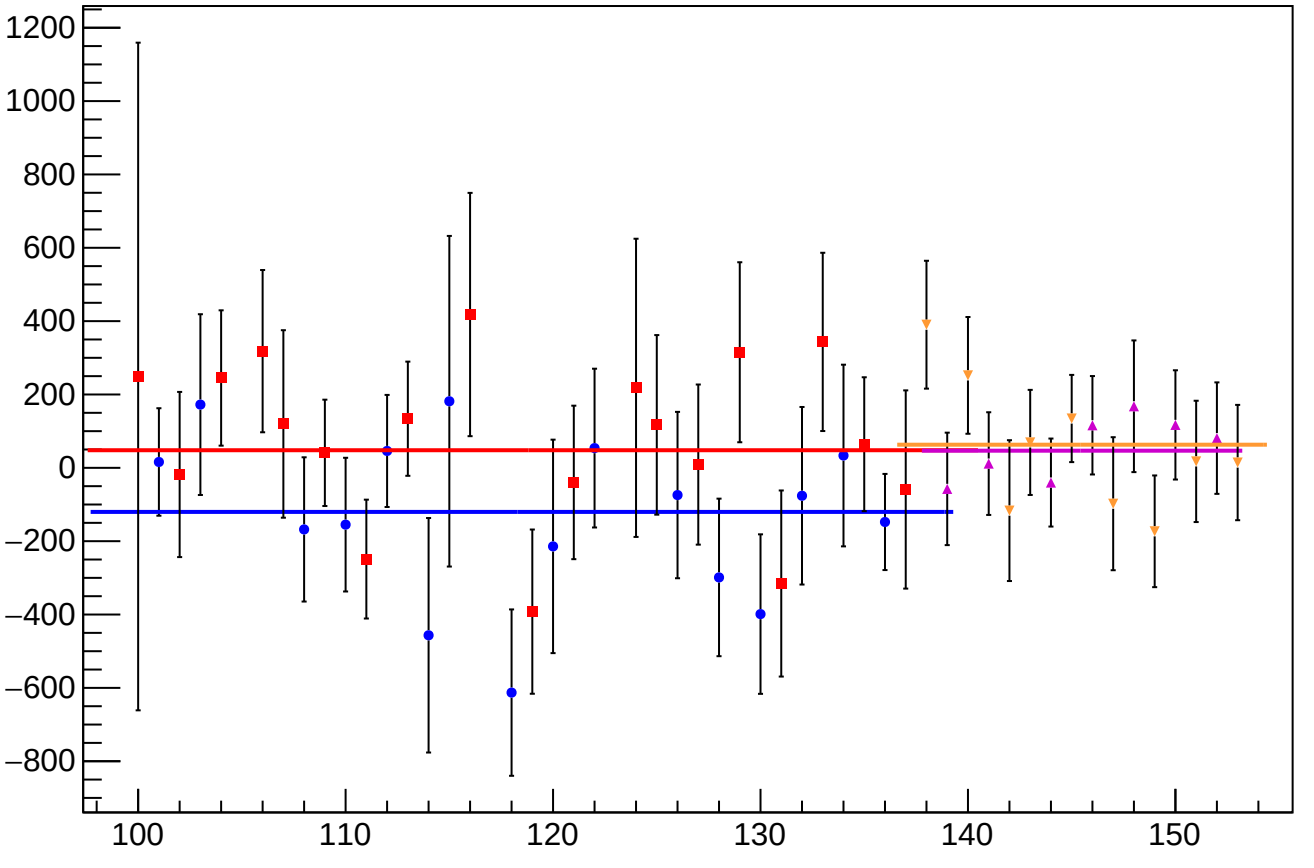
120
130
140
150
Right In: 1285.682+/-0.355 χ²/NDF: 1170412.5/15
Left Out: 1079.408+/-0.293 χ²/NDF:399079.9/8
Right Out: 1212.276+/-0.332 χ²/NDF: 1400635.5/18
Left In: 1070.375+/-0.310 χ²/NDF:277527.6/6
Left: 1075.145+/-0.213 χ²/NDF: 677054.6/15
Right: 1246.554+/-0.242 χ²/NDF: 2593895.7/34
In: 1163.809+/-0.234 χ²/NDF:1656674.3/22
Out: 1137.711+/-0.220 χ²/NDF:1889672.4/27
All: 1149.971+/-0.160 χ²/NDF: 3552966.8/50



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 63.084+/-52.023 χ^2/NDF:9.5/8

Right Out: 48.013+/-49.919 χ^2/NDF: 17.0/18

Left In: 46.745+/-54.397 χ^2/NDF:2.0/6

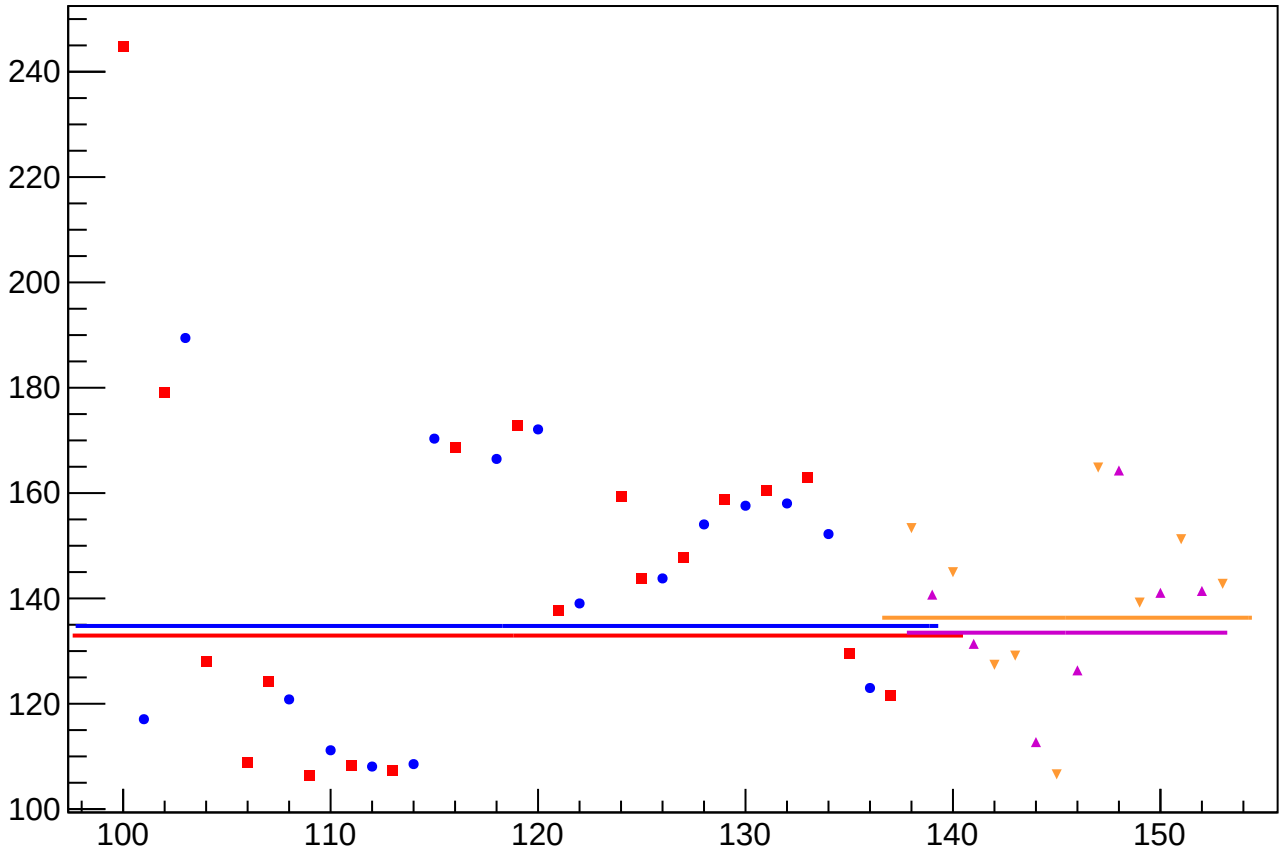
Left: 55.279+/-37.597 χ^2/NDF: 11.6/15

Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: -41.919+/-37.246 χ^2/NDF:20.5/22

Out: 55.238+/-36.019 χ^2/NDF:26.5/27

All: 8.286+/-25.892 χ^2/NDF: 50.5/50



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 136.335+/-0.037 χ^2/NDF:229207.6/8

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 133.494+/-0.038 χ^2/NDF:139966.7/6

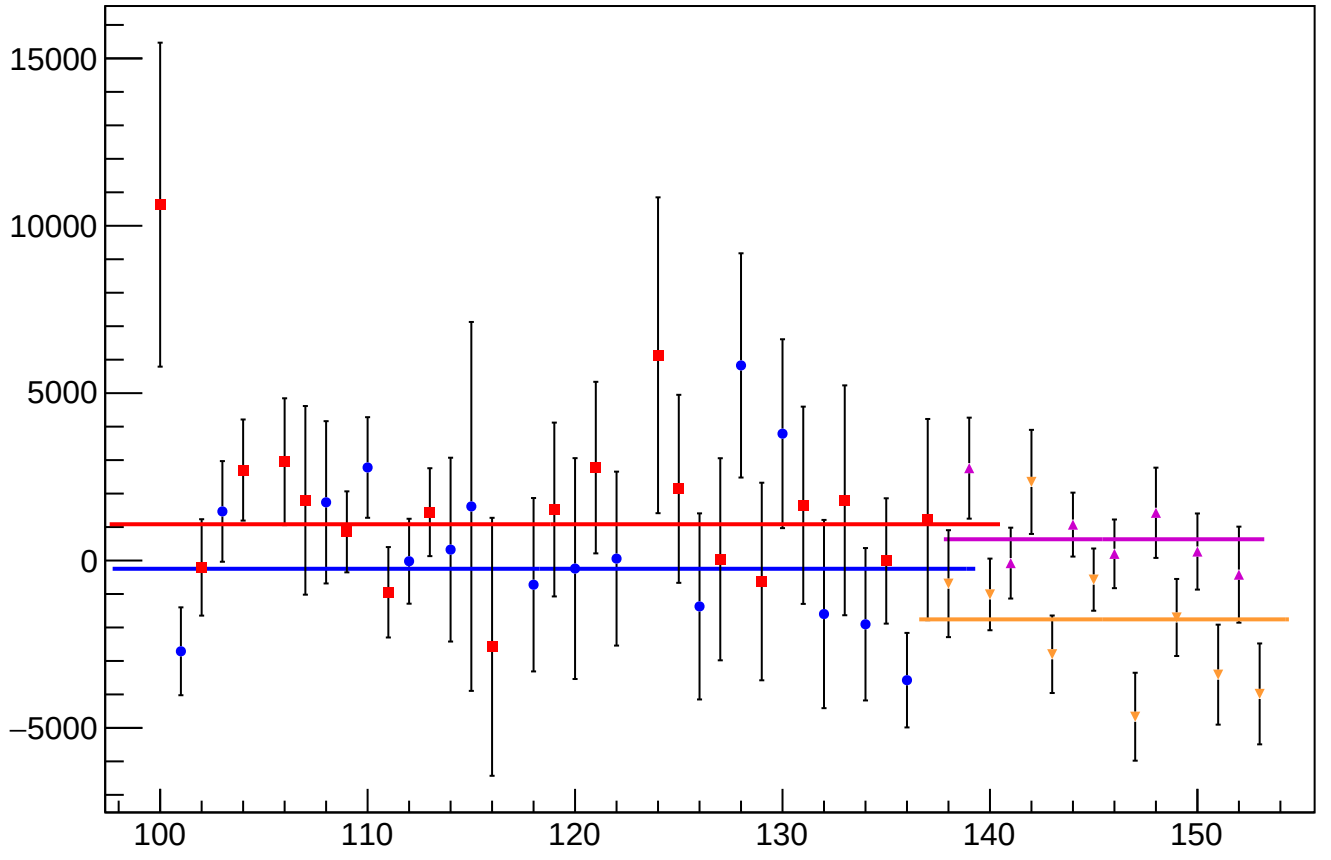
Left: 134.978+/-0.027 χ^2/NDF: 372025.2/15

Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 134.172+/-0.026 χ^2/NDF:557334.6/22

Out: 134.571+/-0.025 χ^2/NDF:732475.4/27

All: 134.378+/-0.018 χ^2/NDF: 1289928.5/50



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1757.718+/-415.007 χ^2/NDF:18.7/8

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 635.511+/-439.034 χ^2/NDF:3.8/6

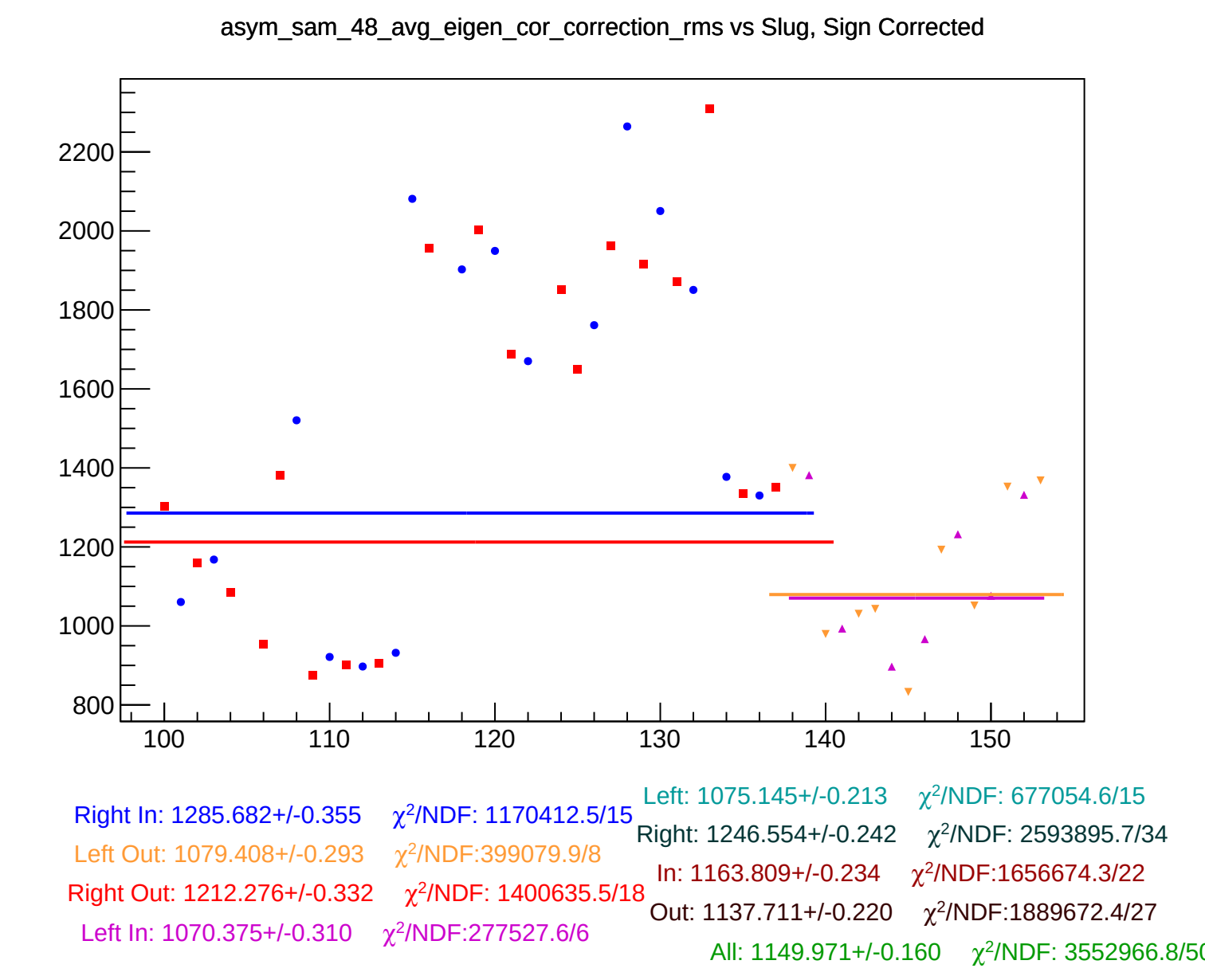
Left: -628.380+/-301.591 χ^2/NDF: 38.2/15

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 252.788+/-330.311 χ^2/NDF:27.2/22

Out: -510.703+/-310.893 χ^2/NDF:52.0/27

All: -152.058+/-226.388 χ^2/NDF: 82.0/50


asym_sam_48_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
2200
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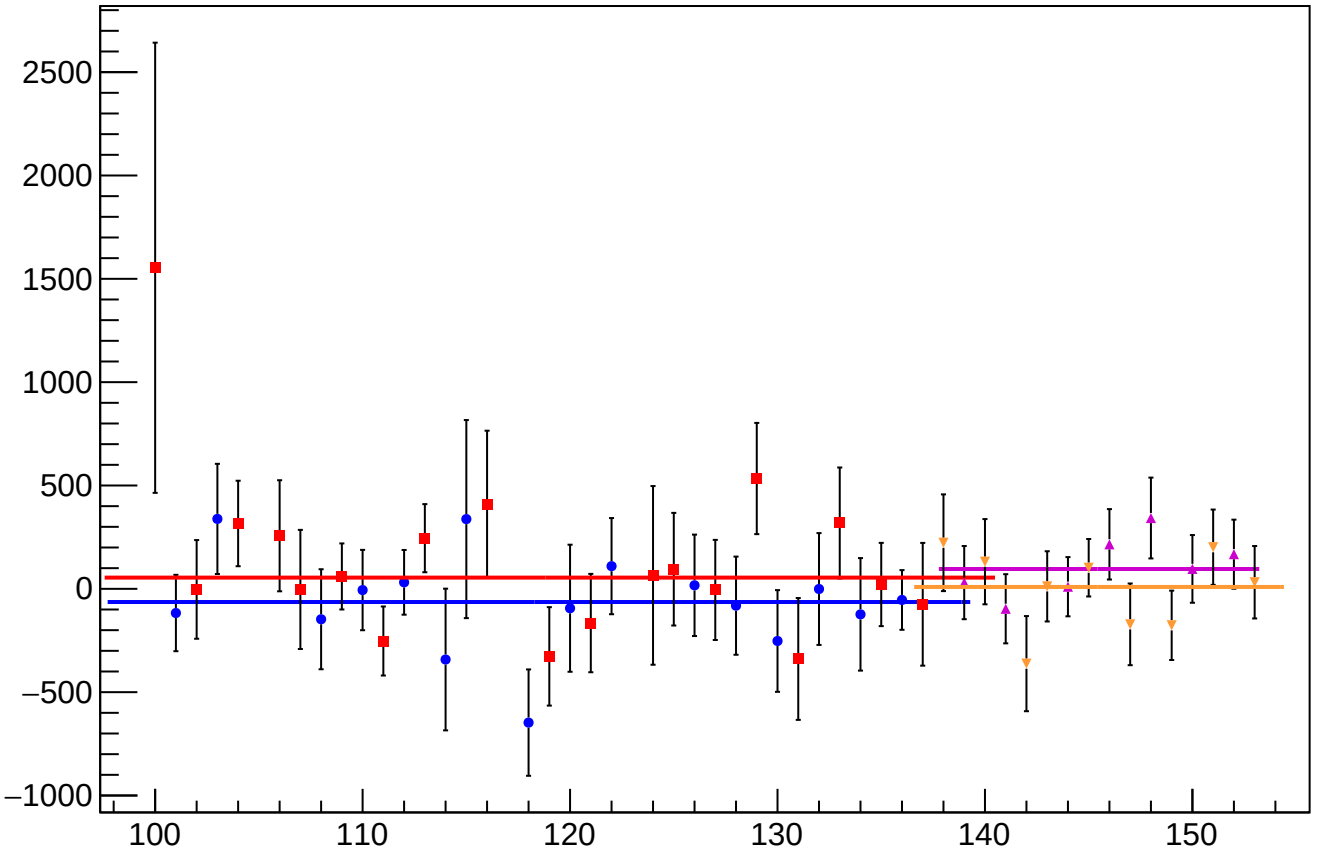
120
130
140
150
Right In: 1285.682+/-0.355 χ²/NDF: 1170412.5/15
Left Out: 1079.408+/-0.293 χ²/NDF:399079.9/8
Right Out: 1212.276+/-0.332 χ²/NDF: 1400635.5/18
Left In: 1070.375+/-0.310 χ²/NDF:277527.6/6
Left: 1075.145+/-0.213 χ²/NDF: 677054.6/15
Right: 1246.554+/-0.242 χ²/NDF: 2593895.7/34
In: 1163.809+/-0.234 χ²/NDF:1656674.3/22
Out: 1137.711+/-0.220 χ²/NDF:1889672.4/27
All: 1149.971+/-0.160 χ²/NDF: 3552966.8/50



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: 9.085+/-60.771 χ^2/NDF:7.4/8

Right Out: 54.305+/-54.743 χ^2/NDF: 19.5/18

Left In: 95.976+/-63.235 χ^2/NDF:4.1/6

Left: 50.805+/-43.817 χ^2/NDF: 12.5/15

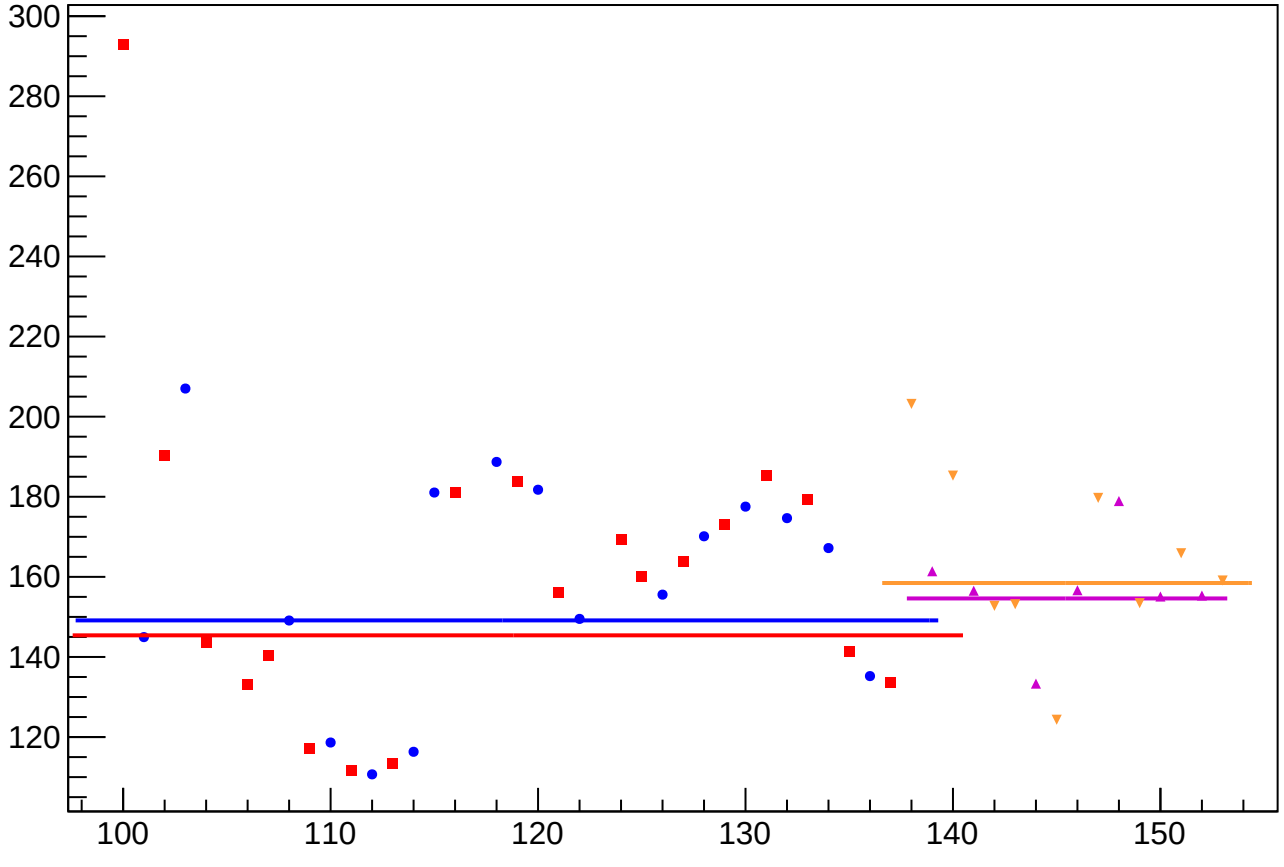
Right: -2.630+/-39.394 χ^2/NDF: 32.6/34

In: 7.465+/-42.229 χ^2/NDF:18.4/22

Out: 34.048+/-40.674 χ^2/NDF:27.2/27

All: 21.255+/-29.295 χ^2/NDF: 45.9/50

dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 158.468+/-0.043 χ^2/NDF:258822.1/8

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

Left In: 154.610+/-0.045 χ^2/NDF:78564.8/6

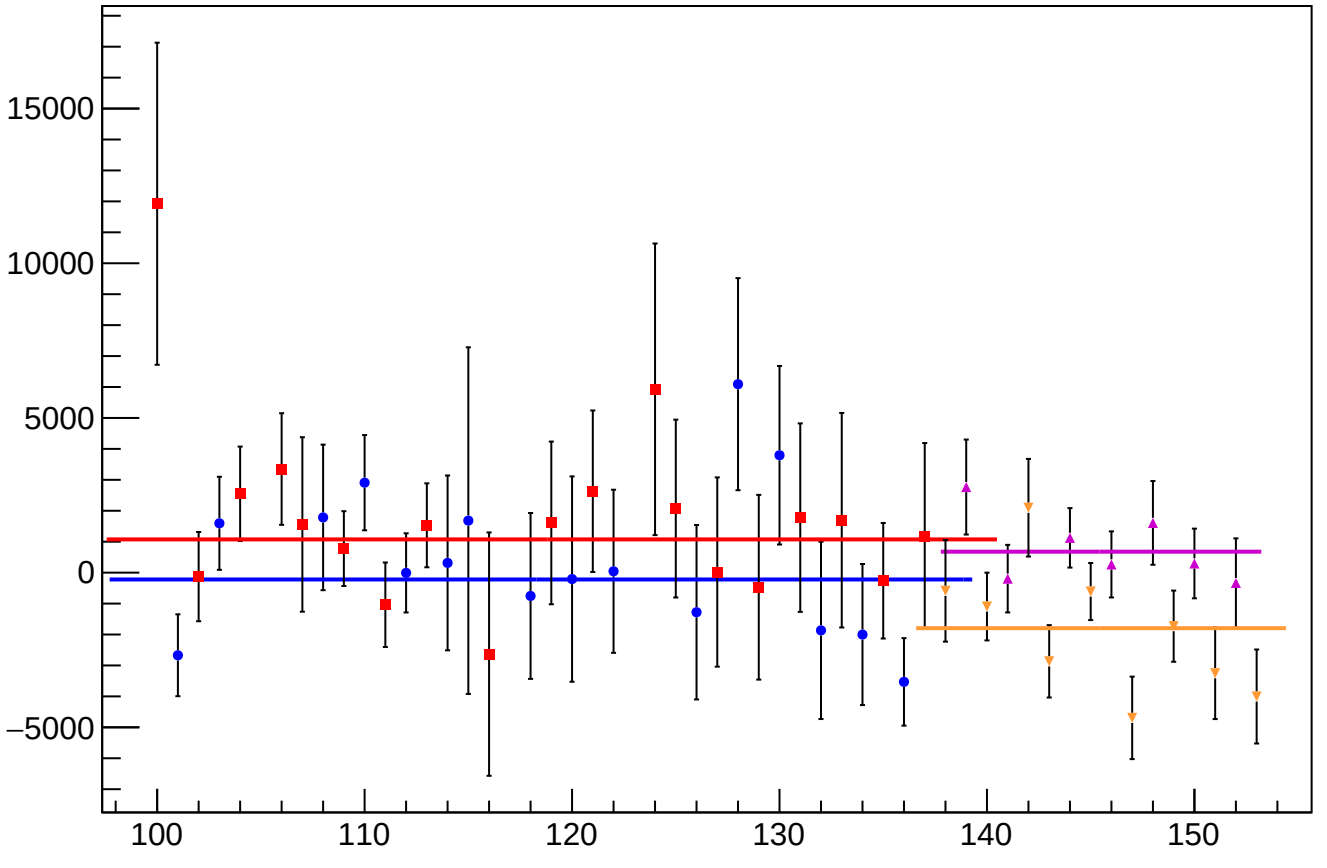
Left: 156.616+/-0.031 χ^2/NDF: 341255.4/15

Right: 147.198+/-0.028 χ^2/NDF: 981303.1/34

In: 151.574+/-0.030 χ^2/NDF:537890.0/22

Out: 151.253+/-0.029 χ^2/NDF:835699.2/27

All: 151.408+/-0.021 χ^2/NDF: 1373649.1/50



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -1795.197+/-418.180 χ^2/NDF:17.3/8

Right Out: 1074.433+/-472.816 χ^2/NDF: 13.6/18

Left In: 677.259+/-445.557 χ^2/NDF:3.9/6

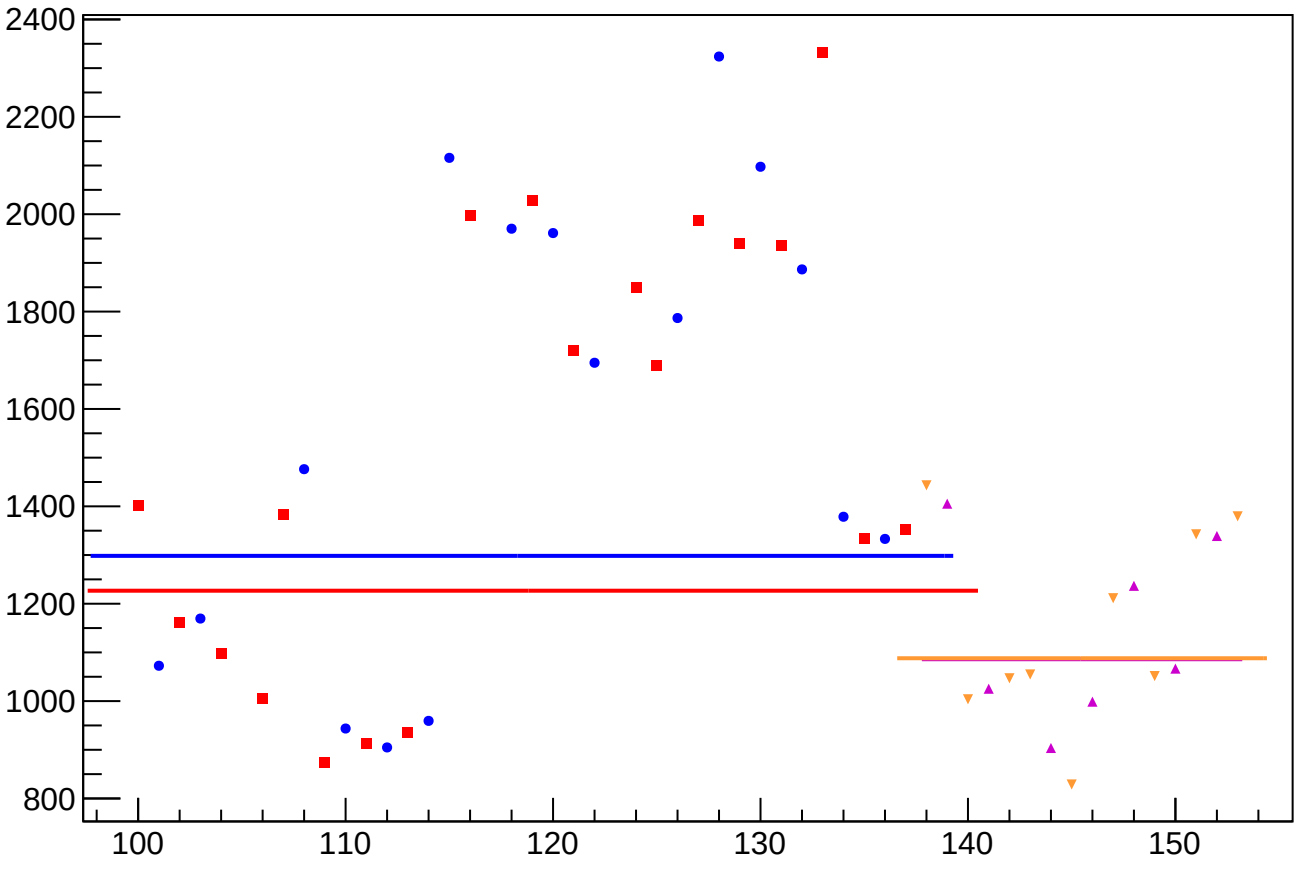
Left: -637.258+/-304.917 χ^2/NDF: 37.6/15

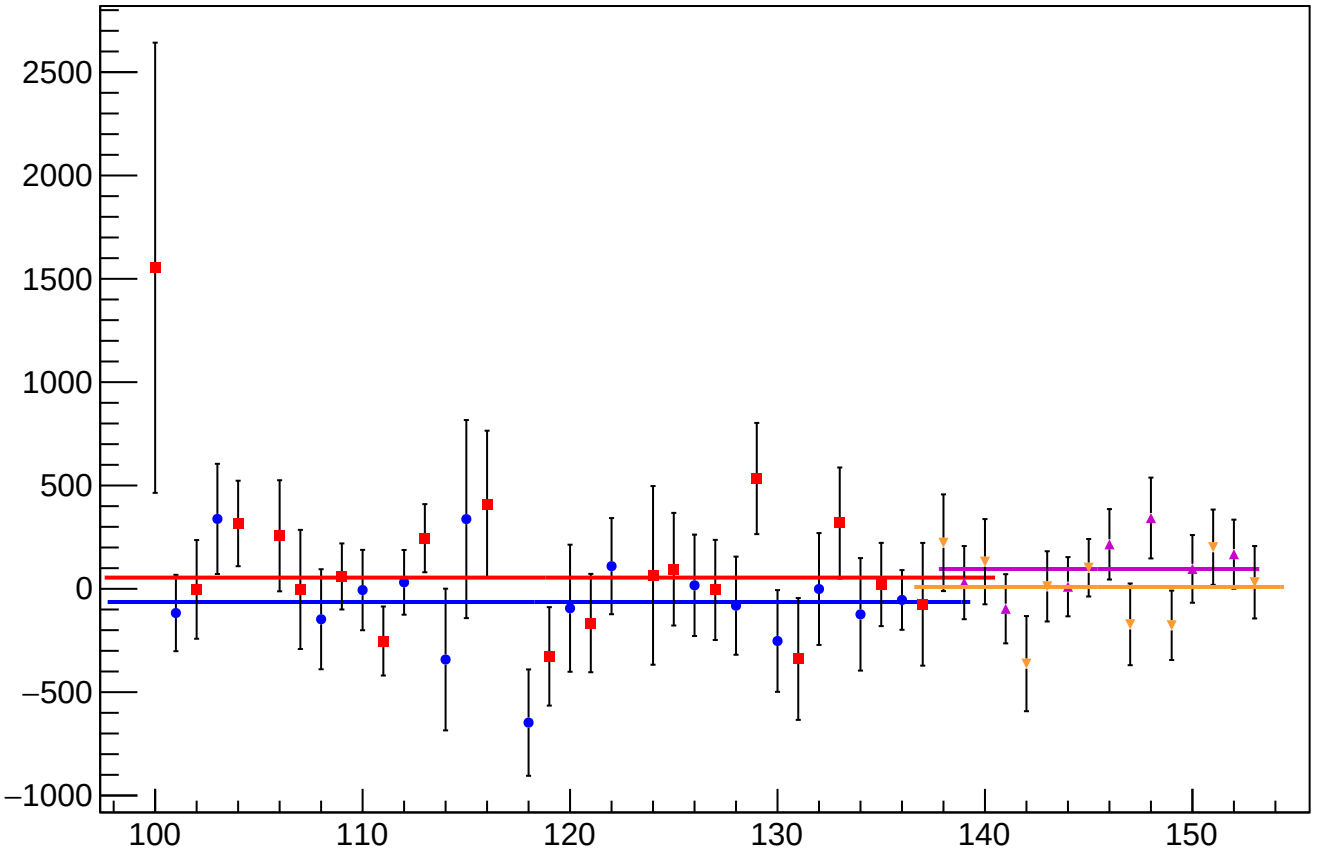
Right: 470.729+/-345.532 χ^2/NDF: 39.0/34

In: 285.029+/-334.453 χ^2/NDF:27.6/22

Out: -535.690+/-313.242 χ^2/NDF:51.6/27

All: -152.180+/-228.627 χ^2/NDF: 82.4/50


asym_sam_48_avg_dit_correction_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
Right In: 1298.293+/-0.358 χ²/NDF: 1182123.0/15
Left Out: 1088.004+/-0.296 χ²/NDF:418004.5/8
Right Out: 1226.729+/-0.334 χ²/NDF: 1404521.7/18
Left In: 1086.004+/-0.315 χ²/NDF:265092.3/6
Left: 1087.067+/-0.216 χ²/NDF: 683118.3/15
Right: 1260.073+/-0.244 χ²/NDF: 2607993.3/34
In: 1178.676+/-0.236 χ²/NDF:1645414.8/22
Out: 1148.891+/-0.221 χ²/NDF:1919128.1/27
All: 1162.810+/-0.162 χ²/NDF: 3572992.8/50



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: 9.086+/-60.771 χ^2/NDF:7.4/8

Right Out: 54.304+/-54.743 χ^2/NDF: 19.5/18

Left In: 95.978+/-63.235 χ^2/NDF:4.1/6

Left: 50.805+/-43.817 χ^2/NDF: 12.5/15

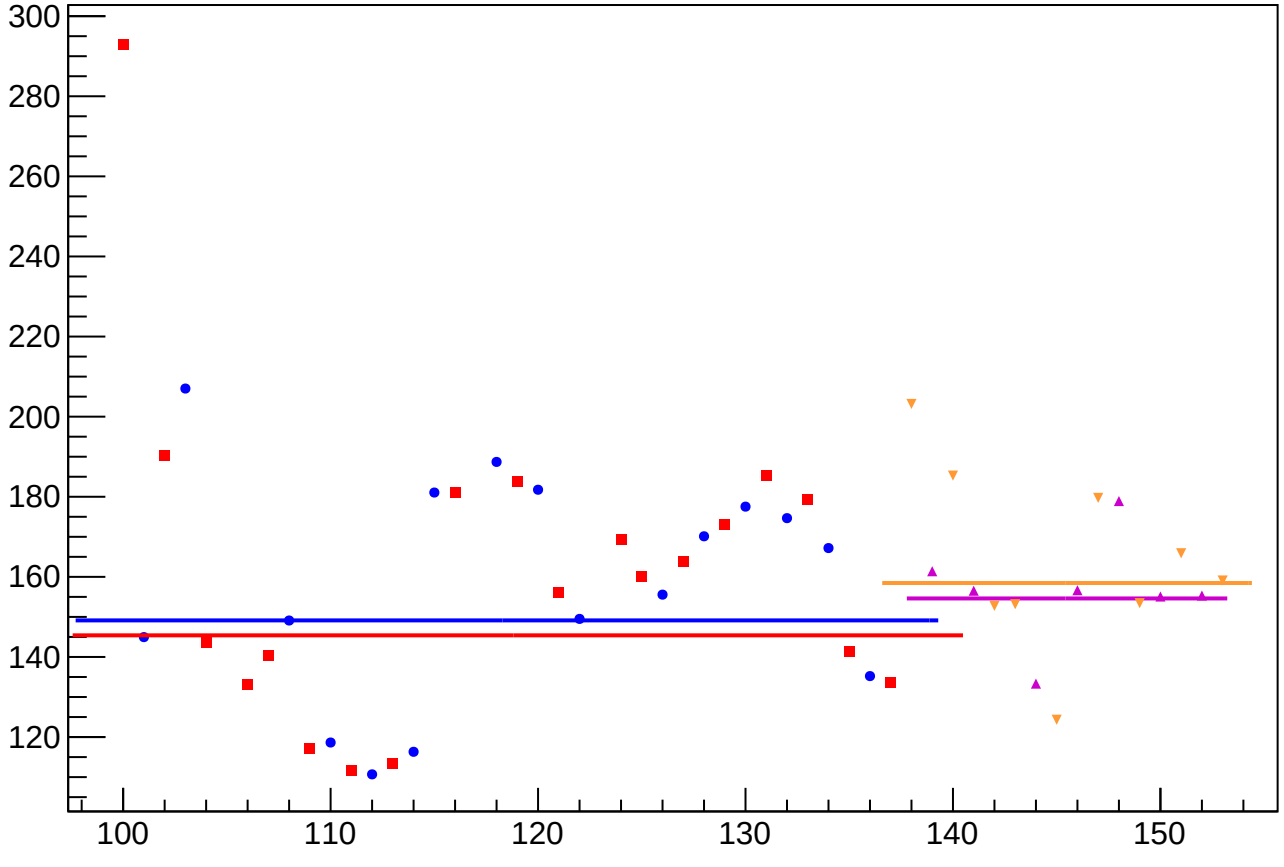
Right: -2.629+/-39.394 χ^2/NDF: 32.6/34

In: 7.467+/-42.229 χ^2/NDF:18.4/22

Out: 34.048+/-40.674 χ^2/NDF:27.2/27

All: 21.256+/-29.295 χ^2/NDF: 45.9/50

eigen_dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 158.468+/-0.043 χ^2/NDF:258815.9/8

Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 154.611+/-0.045 χ^2/NDF:78563.2/6

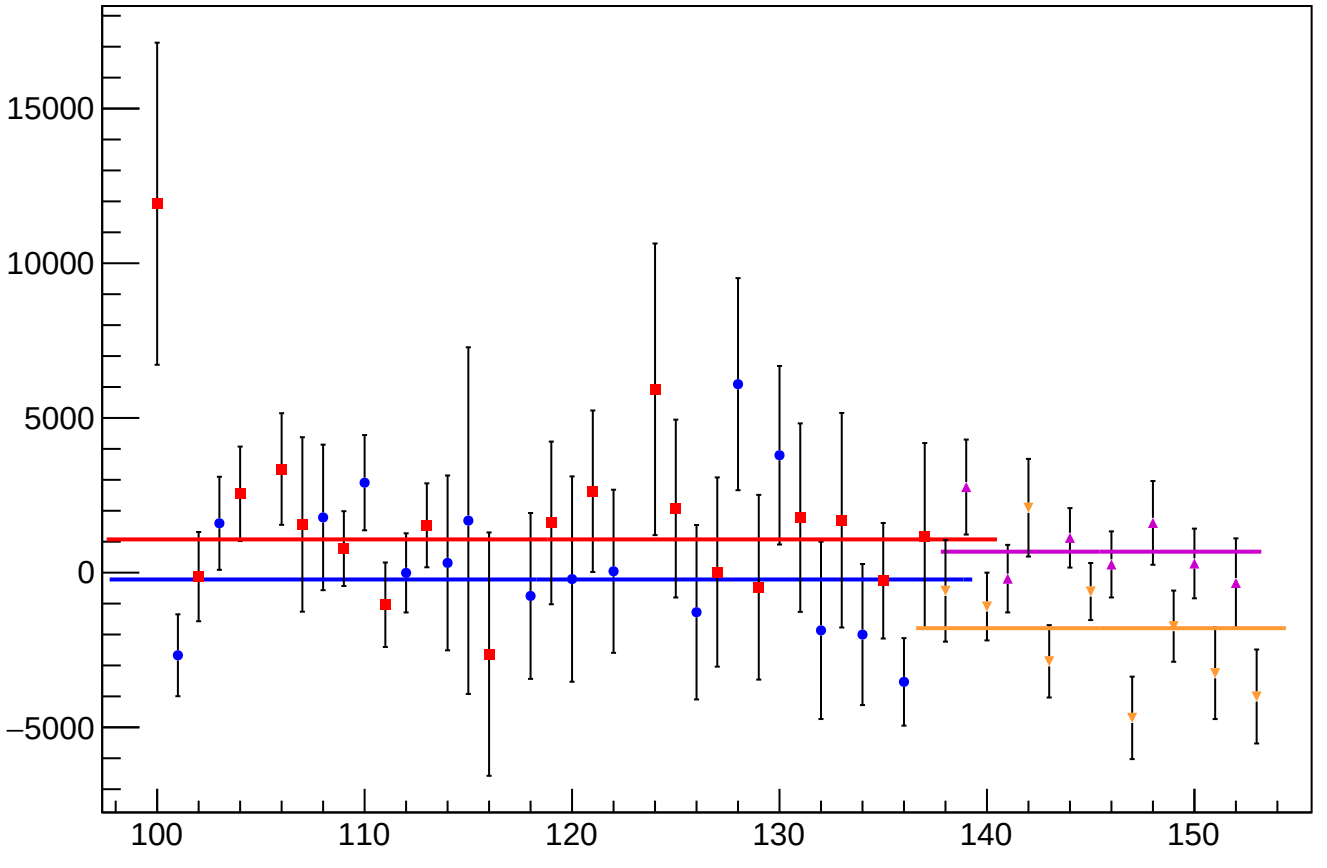
Left: 156.616+/-0.031 χ^2/NDF: 341247.8/15

Right: 147.198+/-0.028 χ^2/NDF: 981307.0/34

In: 151.574+/-0.030 χ^2/NDF:537891.1/22

Out: 151.253+/-0.029 χ^2/NDF:835698.7/27

All: 151.408+/-0.021 χ^2/NDF: 1373649.8/50



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -1795.195+/-418.179 χ^2/NDF:17.3/8

Right Out: 1074.432+/-472.816 χ^2/NDF: 13.6/18

Left In: 677.258+/-445.557 χ^2/NDF:3.9/6

Left: -637.258+/-304.917 χ^2/NDF: 37.6/15

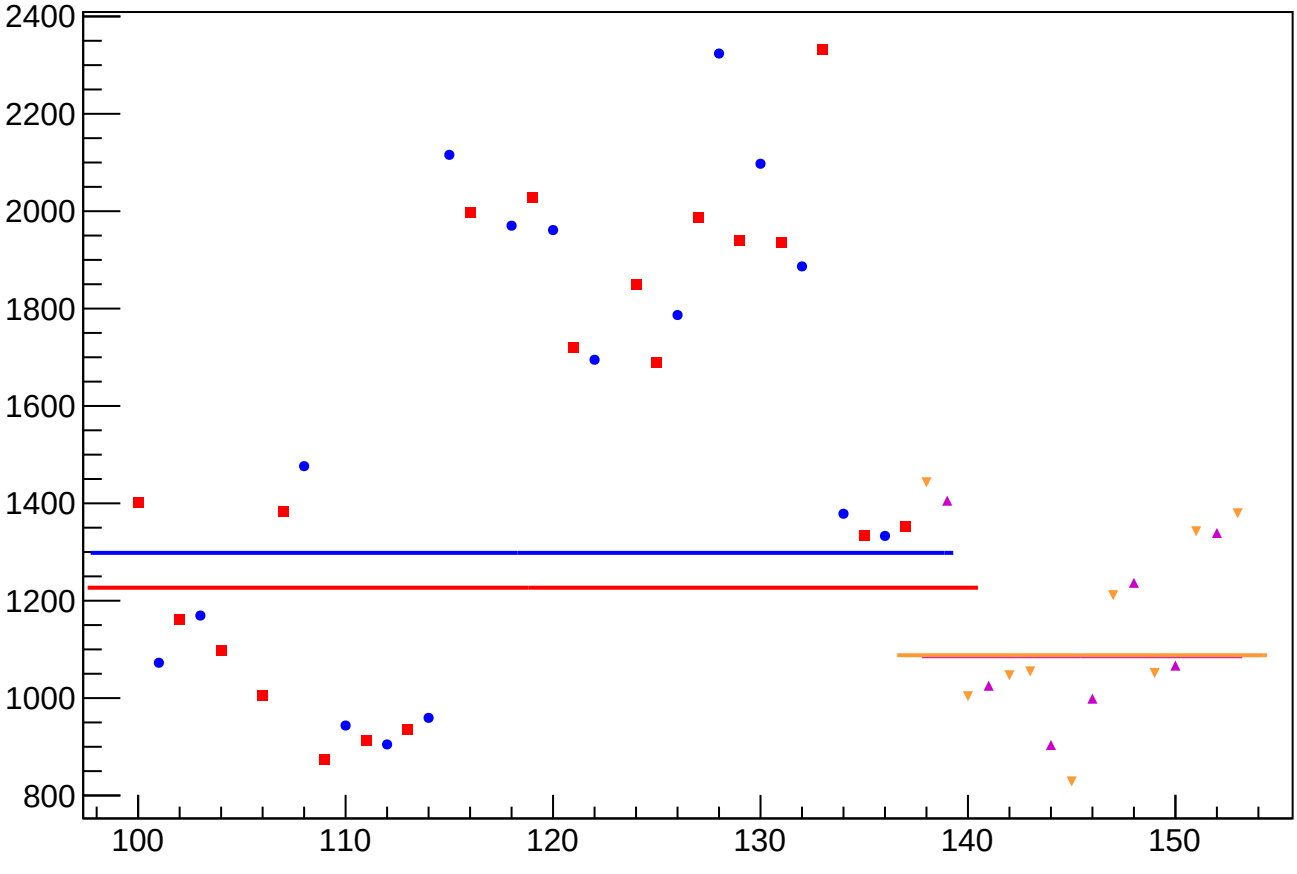
Right: 470.728+/-345.531 χ^2/NDF: 39.0/34

In: 285.029+/-334.453 χ^2/NDF:27.6/22

Out: -535.690+/-313.241 χ^2/NDF:51.6/27

All: -152.180+/-228.626 χ^2/NDF: 82.4/50

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: 1088.002+/-0.296 χ^2/NDF:418007.2/8

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

Left In: 1086.003+/-0.315 χ^2/NDF:265091.6/6

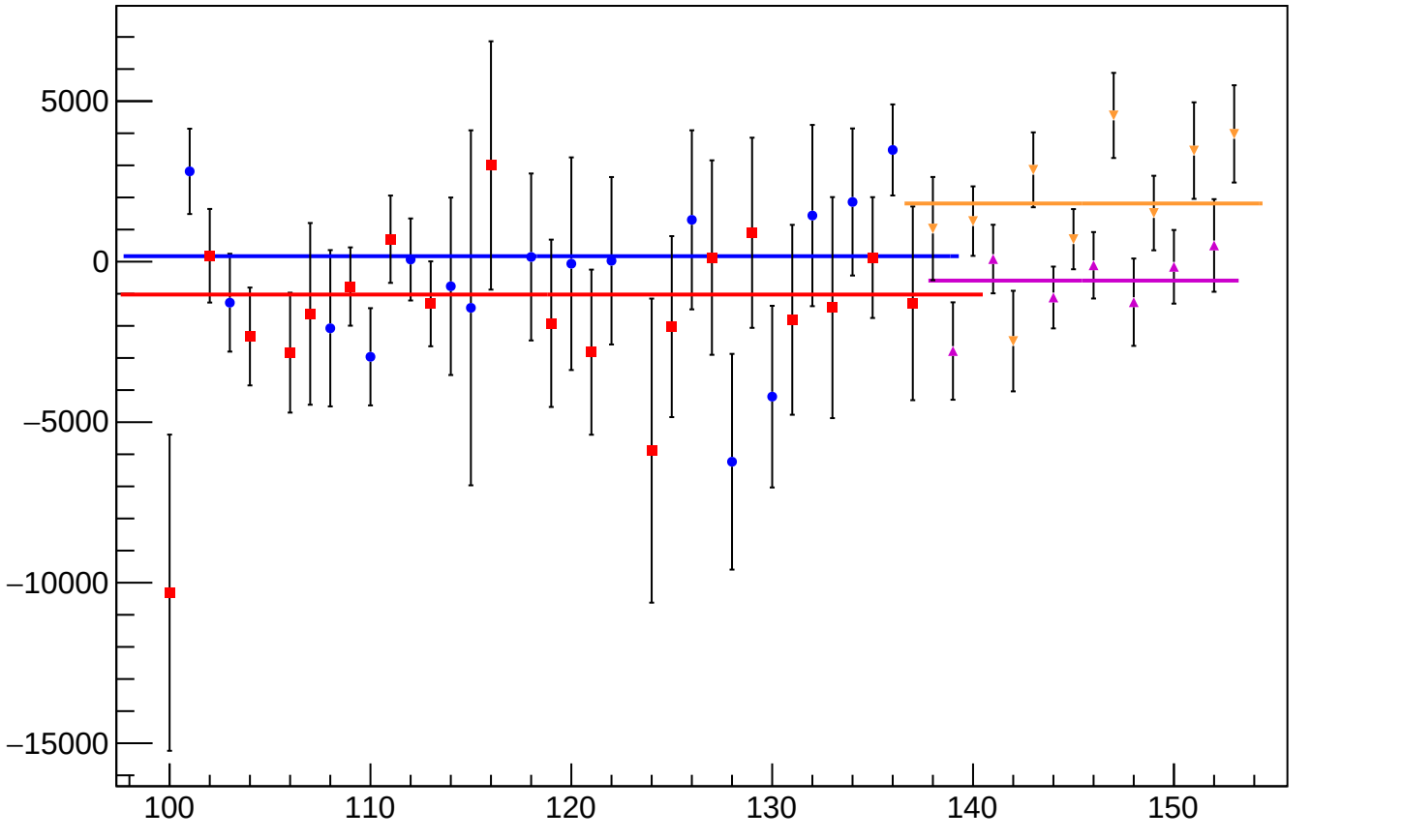
Left: 1087.066+/-0.216 χ^2/NDF: 683120.3/15

Right: 1260.072+/-0.244 χ^2/NDF: 2608000.5/34

In: 1178.675+/-0.236 χ^2/NDF:1645417.5/22

Out: 1148.890+/-0.221 χ^2/NDF:1919134.1/27

All: 1162.808+/-0.162 χ^2/NDF: 3573001.8/50



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1812.356+/-418.462 χ^2/NDF:17.8/8

Right Out: -1023.699+/-472.008 χ^2/NDF: 11.6/18

Left In: -589.346+/-442.570 χ^2/NDF:4.0/6

Left: 678.696+/-304.063 χ^2/NDF: 37.3/15

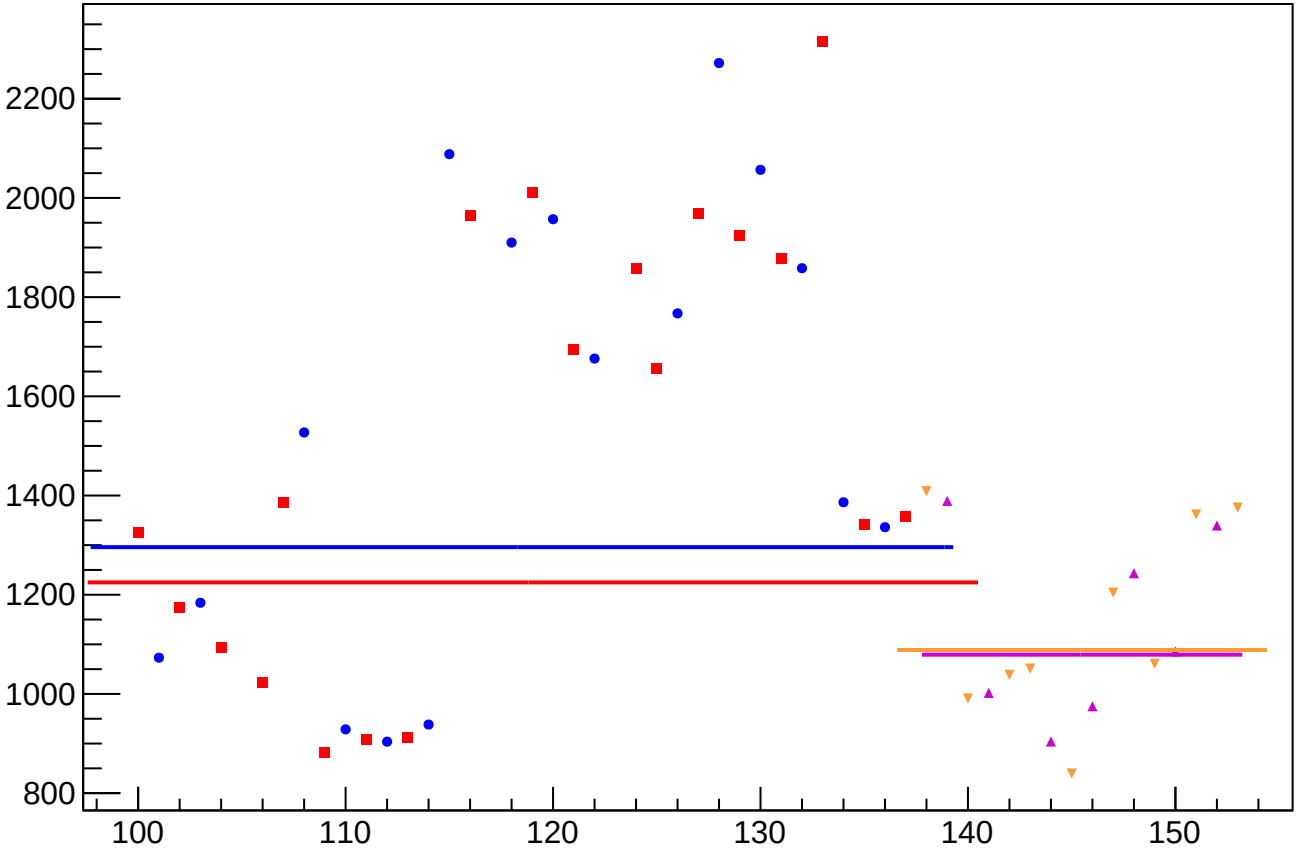
Right: -466.780+/-344.877 χ^2/NDF: 37.1/34

In: -259.128+/-332.880 χ^2/NDF:27.8/22

Out: 564.253+/-313.125 χ^2/NDF:49.6/27

All: 177.718+/-228.077 χ^2/NDF: 80.6/50

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1088.617+/-0.296 χ^2/NDF:395115.3/8

Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1079.176+/-0.313 χ^2/NDF:274657.3/6

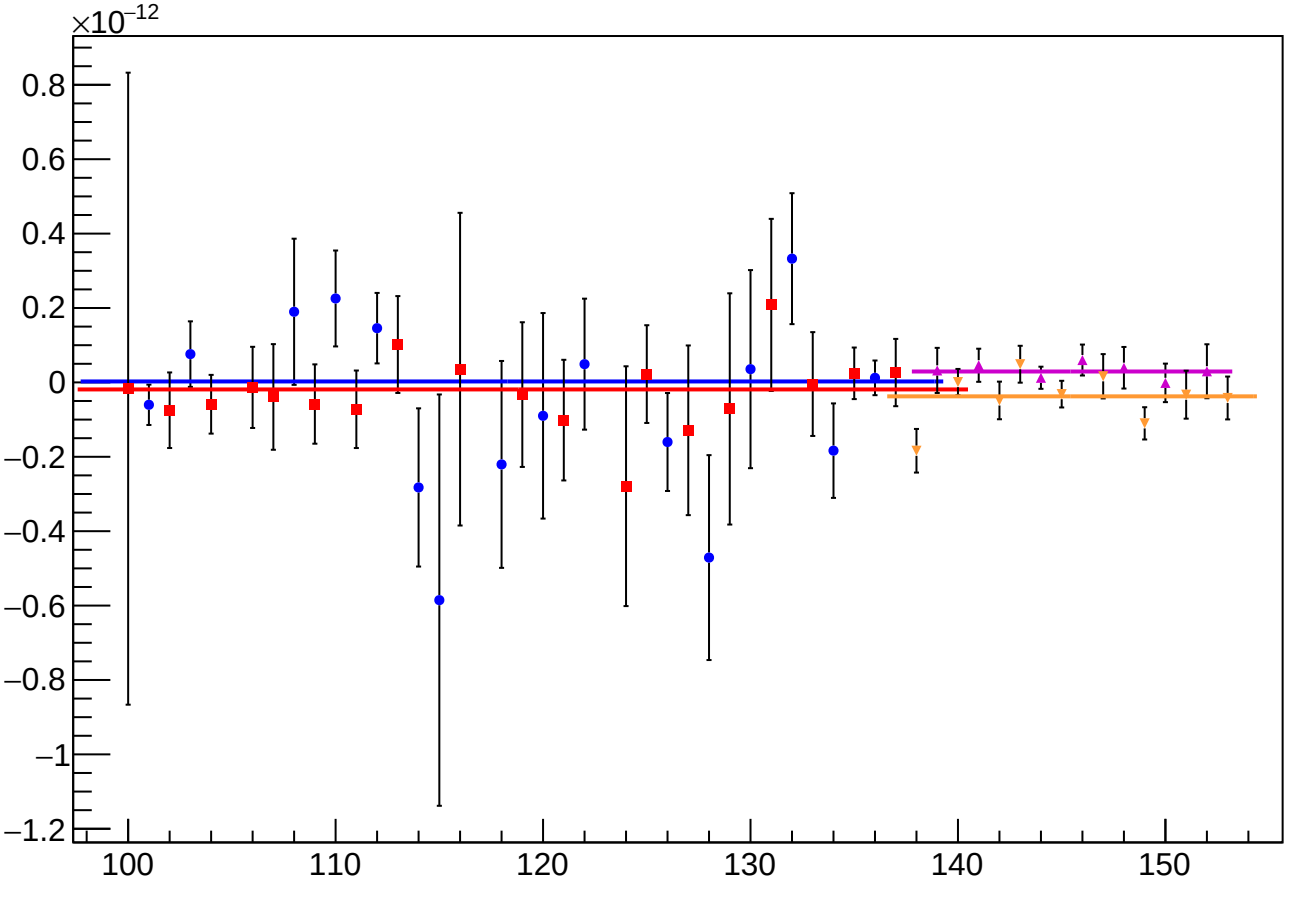
Left: 1084.161+/-0.215 χ^2/NDF: 670253.1/15

Right: 1258.021+/-0.244 χ^2/NDF: 2546633.6/34

In: 1173.330+/-0.235 χ^2/NDF:1637285.1/22

Out: 1148.580+/-0.221 χ^2/NDF:1859717.1/27

All: 1160.199+/-0.161 χ^2/NDF: 3502868.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.1/8

Right Out: -0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1.4/6

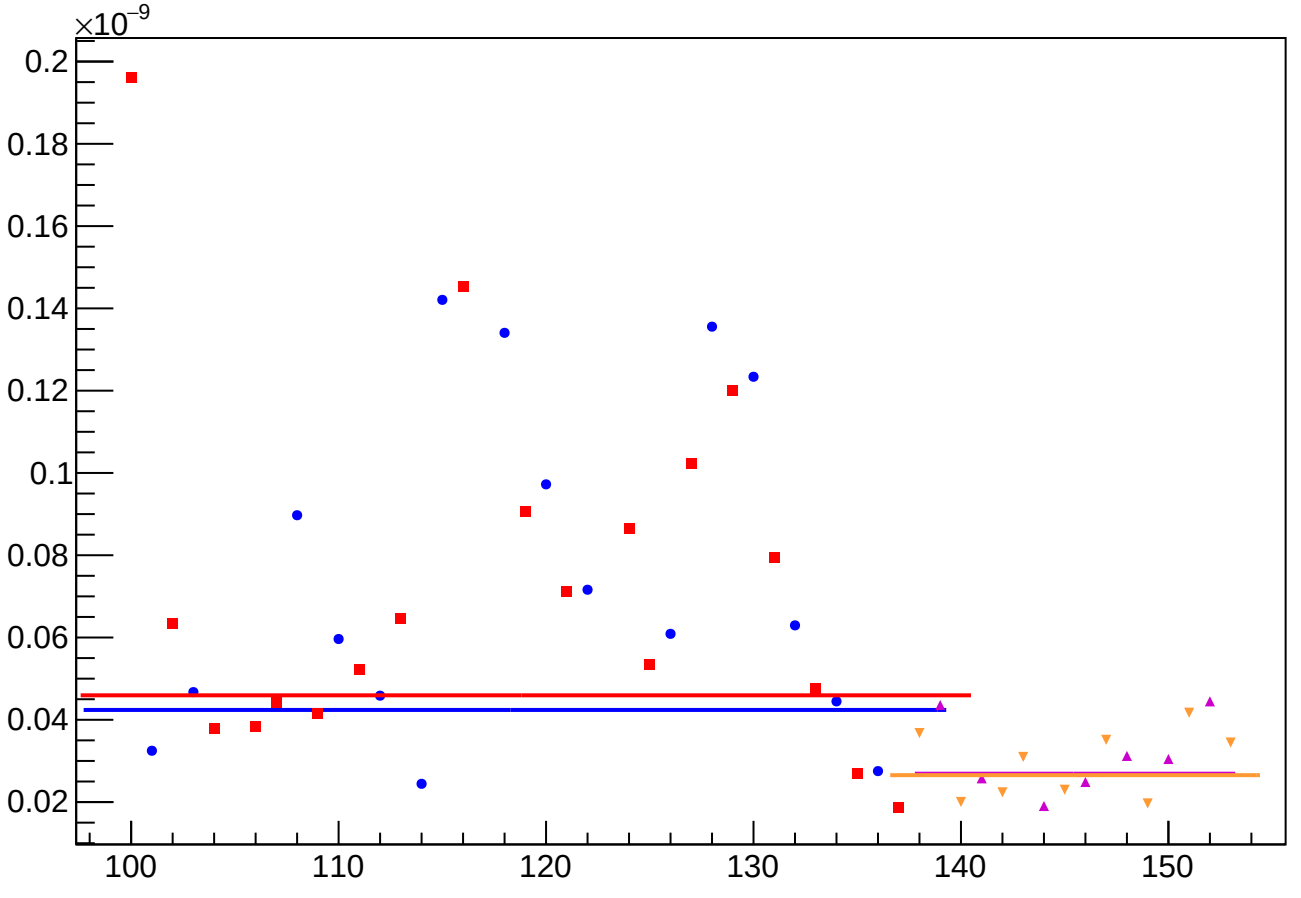
Left: -0.000+/-0.000 χ^2/NDF: 23.7/15

Right: -0.000+/-0.000 χ^2/NDF: 27.2/34

In: 0.000+/-0.000 χ^2/NDF:24.3/22

Out: -0.000+/-0.000 χ^2/NDF:19.2/27

All: -0.000+/-0.000 χ^2/NDF: 50.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:418458.4/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

Left In: 0.000+/-0.000 χ^2/NDF:435489.5/6

Left: 0.000+/-0.000 χ^2/NDF: 854421.6/15

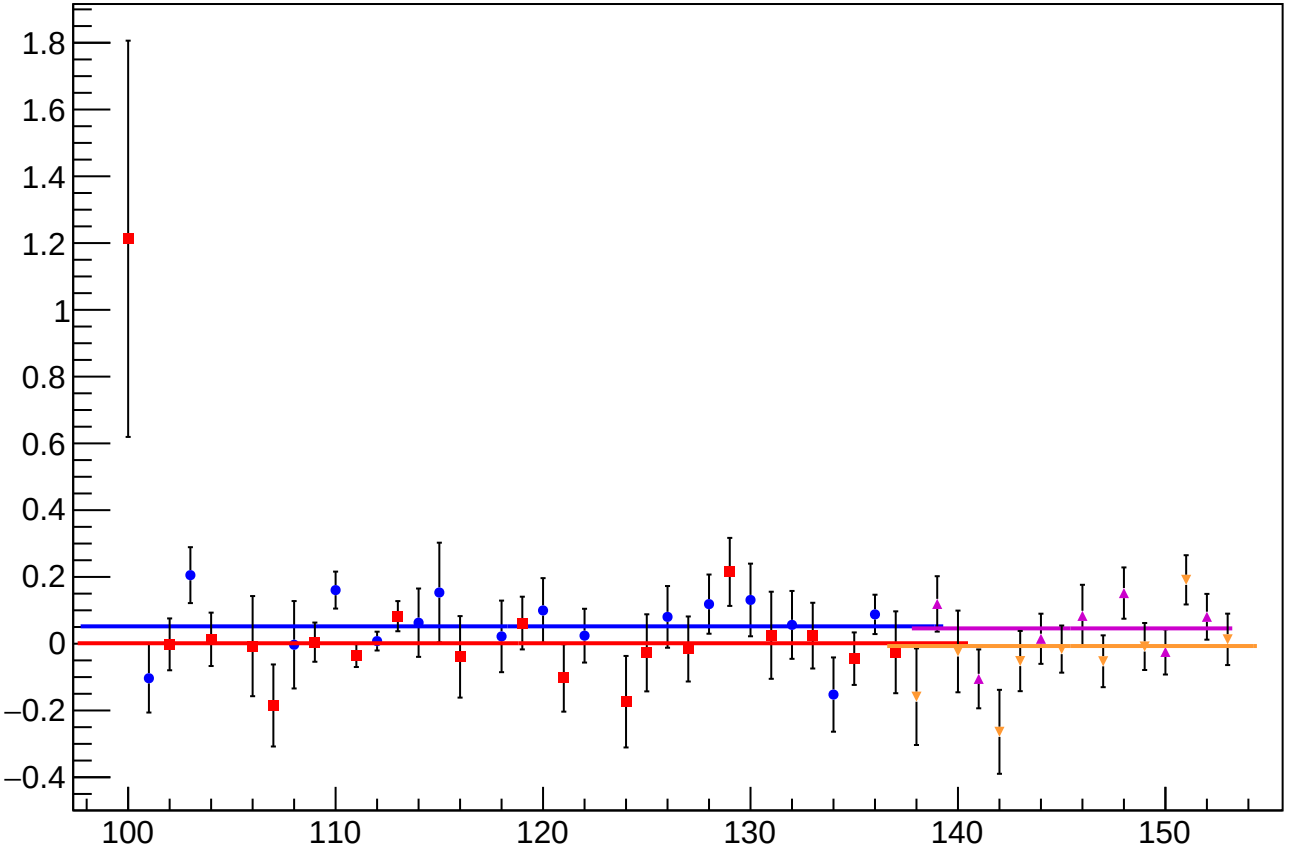
Right: 0.000+/-0.000 χ^2/NDF: 2476096.3/34

In: 0.000+/-0.000 χ^2/NDF:2249030.3/22

Out: 0.000+/-0.000 χ^2/NDF:2233082.3/27

All: 0.000+/-0.000 χ^2/NDF: 4483028.1/50

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: -0.007+/-0.029 χ^2/NDF:13.2/8

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.046+/-0.029 χ^2/NDF:7.3/6

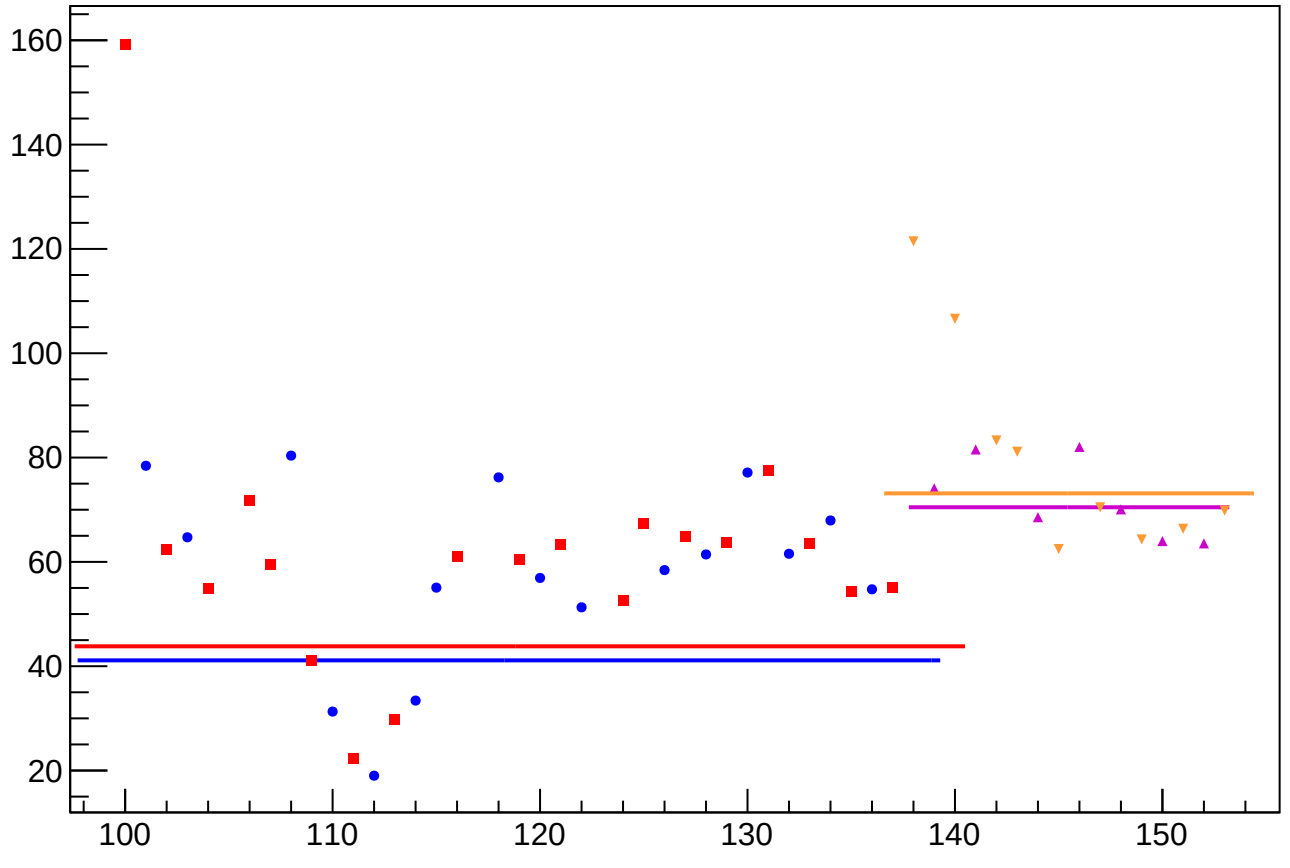
Left: 0.019+/-0.020 χ^2/NDF: 22.2/15

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.050+/-0.015 χ^2/NDF:25.3/22

Out: -0.001+/-0.015 χ^2/NDF:32.5/27

All: 0.025+/-0.011 χ^2/NDF: 63.5/50



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 73.134+/-0.020 χ^2/NDF:501561.0/8

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 70.473+/-0.021 χ^2/NDF:106423.7/6

Left: 71.834+/-0.014 χ^2/NDF: 616438.1/15

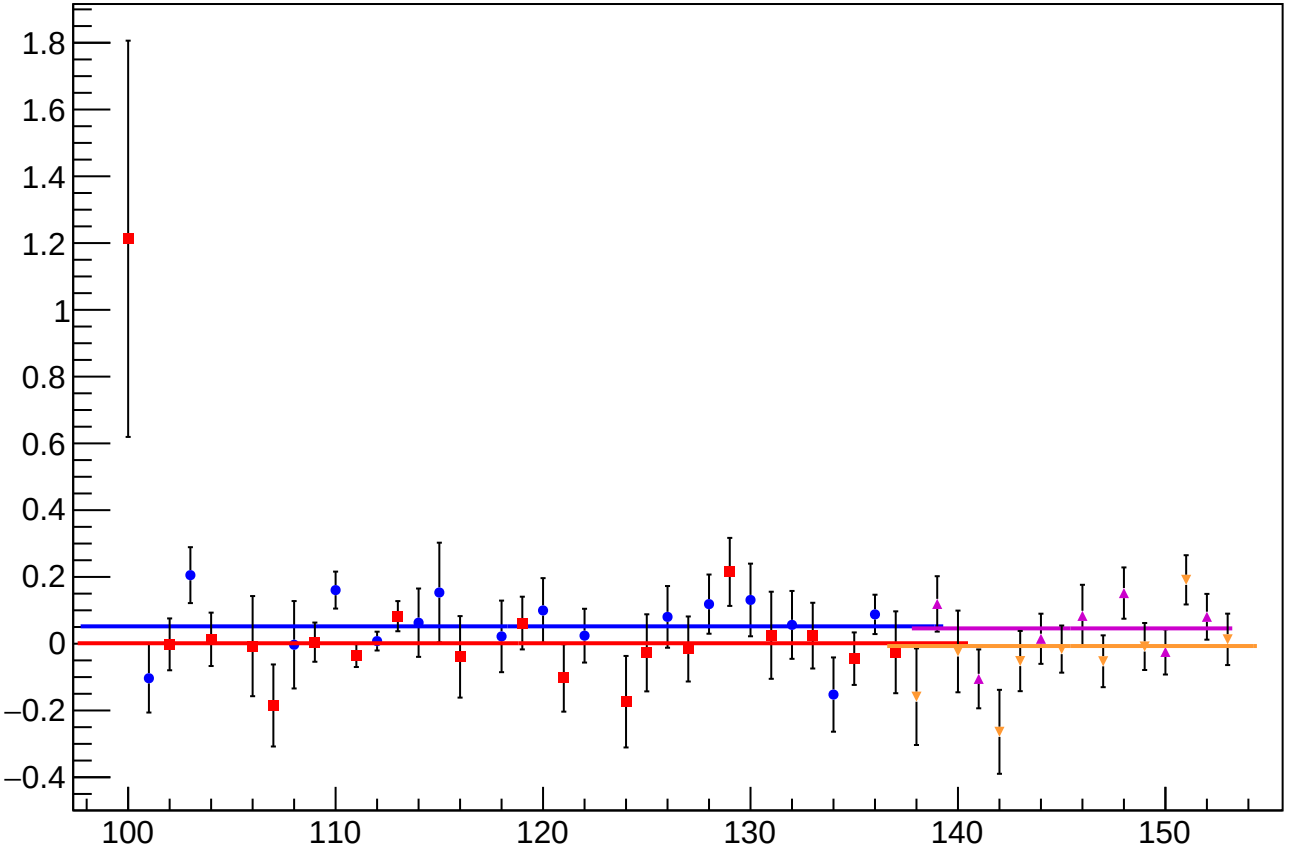
Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 49.026+/-0.011 χ^2/NDF:4501133.8/22

Out: 52.080+/-0.011 χ^2/NDF:4058380.3/27

All: 50.553+/-0.008 χ^2/NDF: 8599945.1/50

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: -0.007+/-0.029 χ^2/NDF:13.2/8

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.046+/-0.029 χ^2/NDF:7.3/6

Left: 0.019+/-0.020 χ^2/NDF: 22.2/15

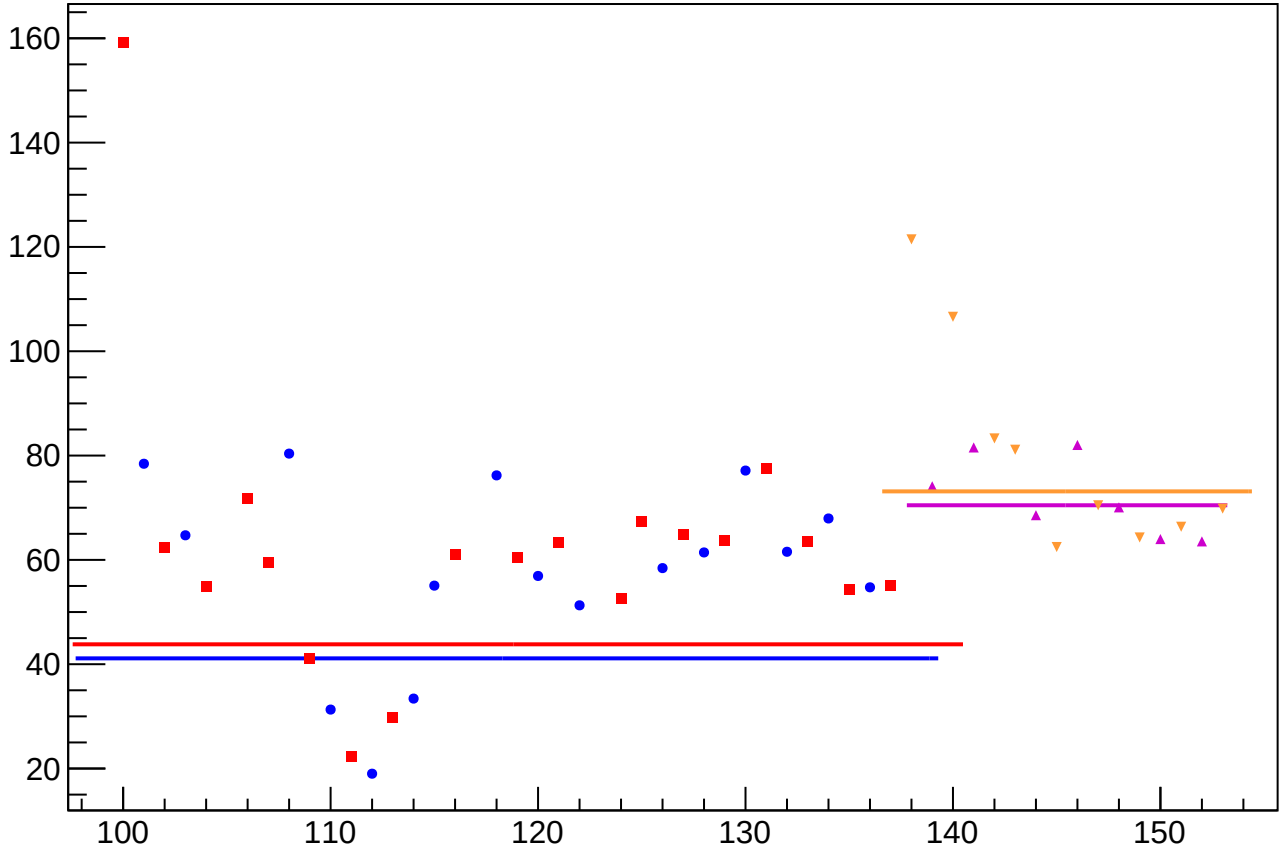
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.050+/-0.015 χ^2/NDF:25.3/22

Out: -0.001+/-0.015 χ^2/NDF:32.5/27

All: 0.025+/-0.011 χ^2/NDF: 63.5/50

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: 73.134+/-0.020 χ^2/NDF:501561.0/8

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 70.473+/-0.021 χ^2/NDF:106423.7/6

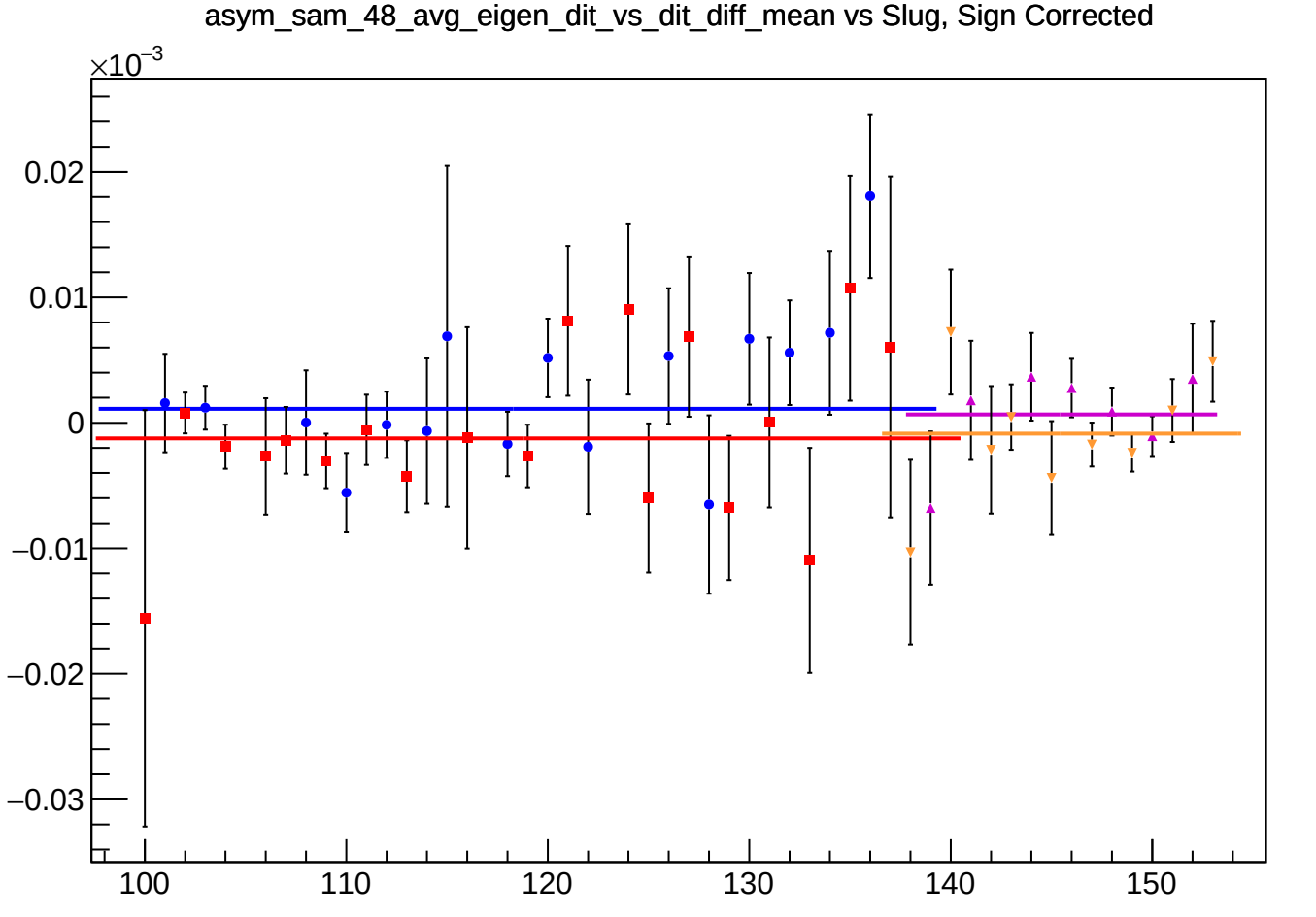
Left: 71.834+/-0.014 χ^2/NDF: 616438.1/15

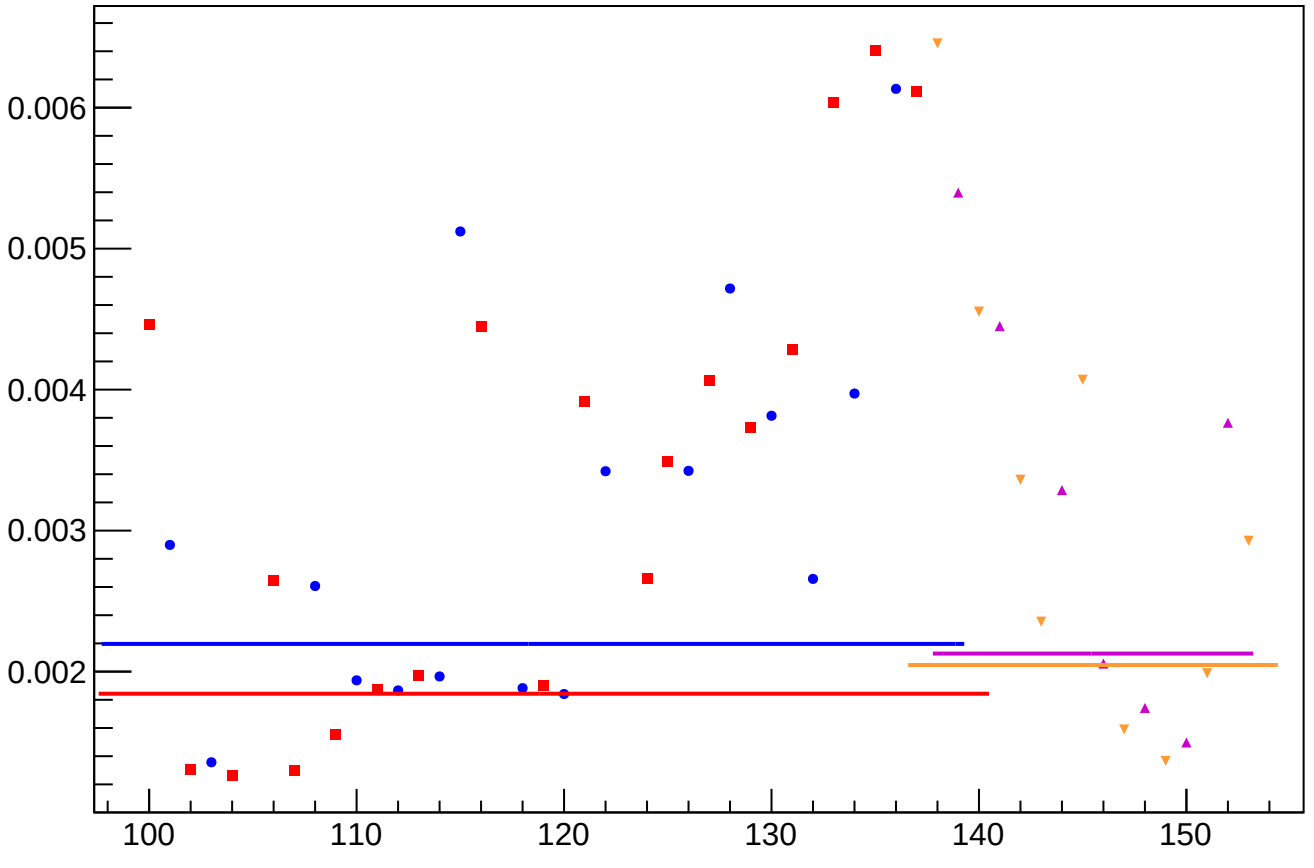
Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 49.026+/-0.011 χ^2/NDF:4501133.8/22

Out: 52.080+/-0.011 χ^2/NDF:4058380.3/27

All: 50.553+/-0.008 χ^2/NDF: 8599945.1/50


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
Right In: 0.000+/-0.000 χ²/NDF: 19.9/15
Left Out: -0.000+/-0.000 χ²/NDF:10.3/8
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: 0.000+/-0.000 χ²/NDF:4.7/6
Left: -0.000+/-0.000 χ²/NDF: 16.4/15
Right: -0.000+/-0.000 χ²/NDF: 39.8/34
In: 0.000+/-0.000 χ²/NDF:24.7/22
Out: -0.000+/-0.000 χ²/NDF:26.3/27
All: -0.000+/-0.000 χ²/NDF: 56.1/50



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2484143.4/8

Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

Left In: 0.002+/-0.000 χ^2/NDF:1949350.9/6

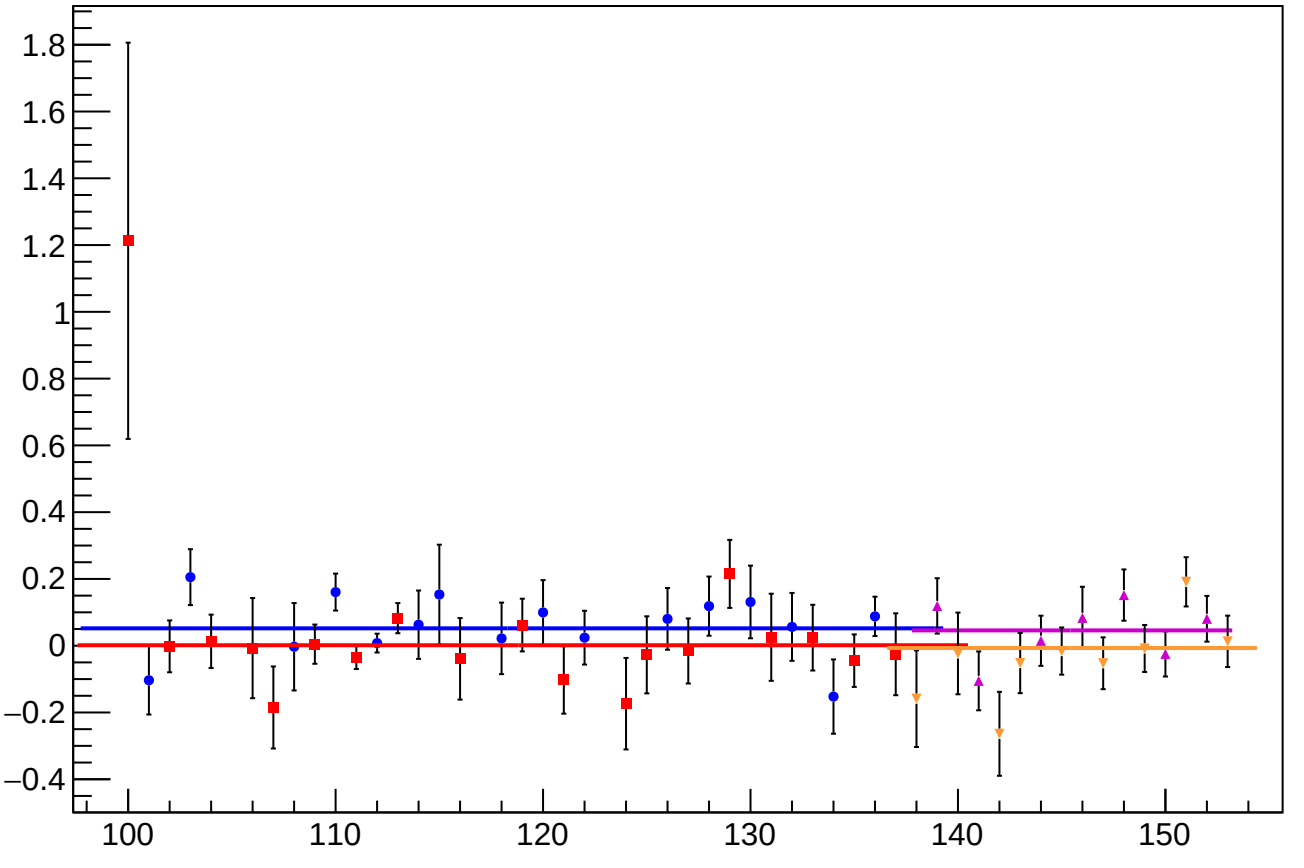
Left: 0.002+/-0.000 χ^2/NDF: 4441275.9/15

Right: 0.002+/-0.000 χ^2/NDF: 5607793.8/34

In: 0.002+/-0.000 χ^2/NDF:4247581.8/22

Out: 0.002+/-0.000 χ^2/NDF:5683484.5/27

All: 0.002+/-0.000 χ^2/NDF: 10071878.9/50



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.007+/-0.029 χ^2/NDF:13.2/8

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.046+/-0.029 χ^2/NDF:7.3/6

Left: 0.019+/-0.020 χ^2/NDF: 22.2/15

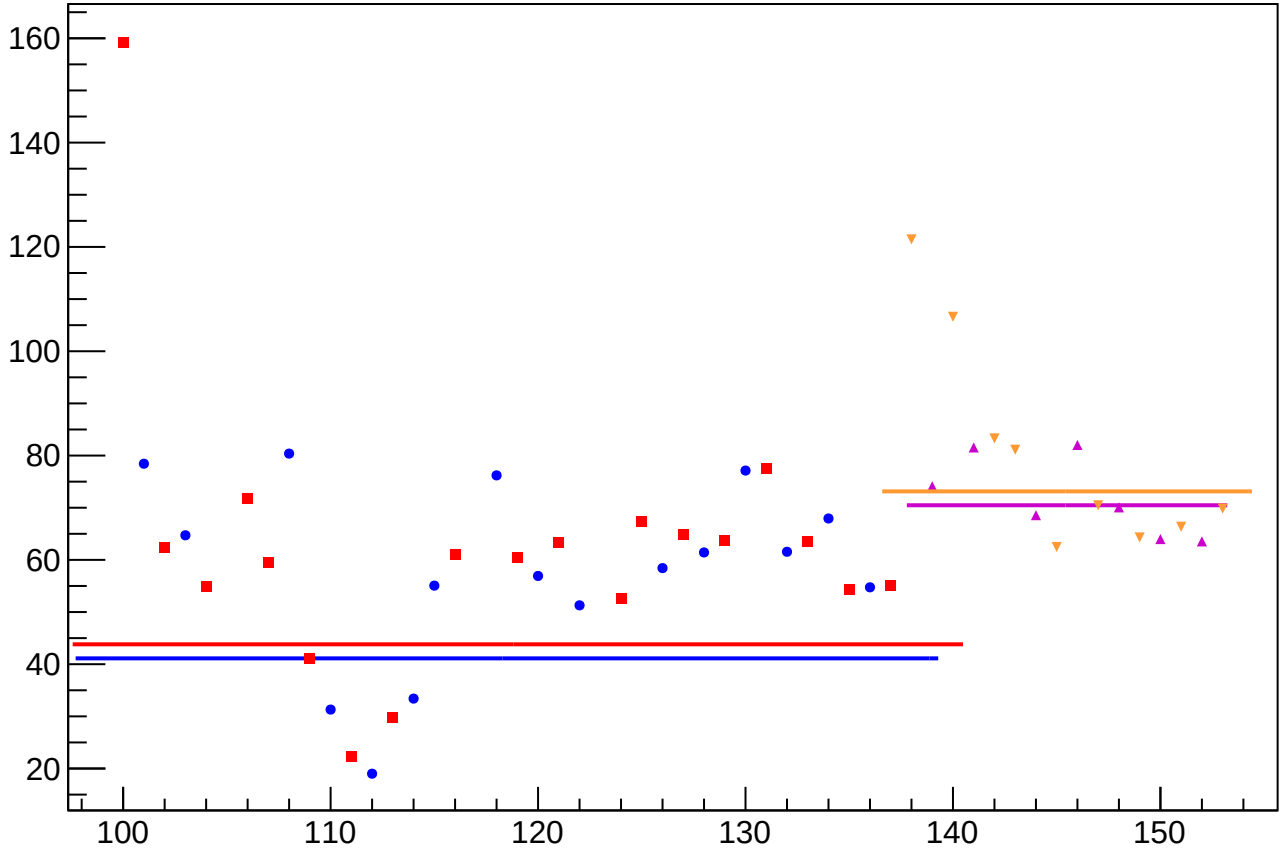
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.050+/-0.015 χ^2/NDF:25.3/22

Out: -0.001+/-0.015 χ^2/NDF:32.5/27

All: 0.025+/-0.011 χ^2/NDF: 63.5/50

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: 73.135+/-0.020 χ^2/NDF:501537.2/8

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 70.473+/-0.021 χ^2/NDF:106421.6/6

Left: 71.834+/-0.014 χ^2/NDF: 616412.8/15

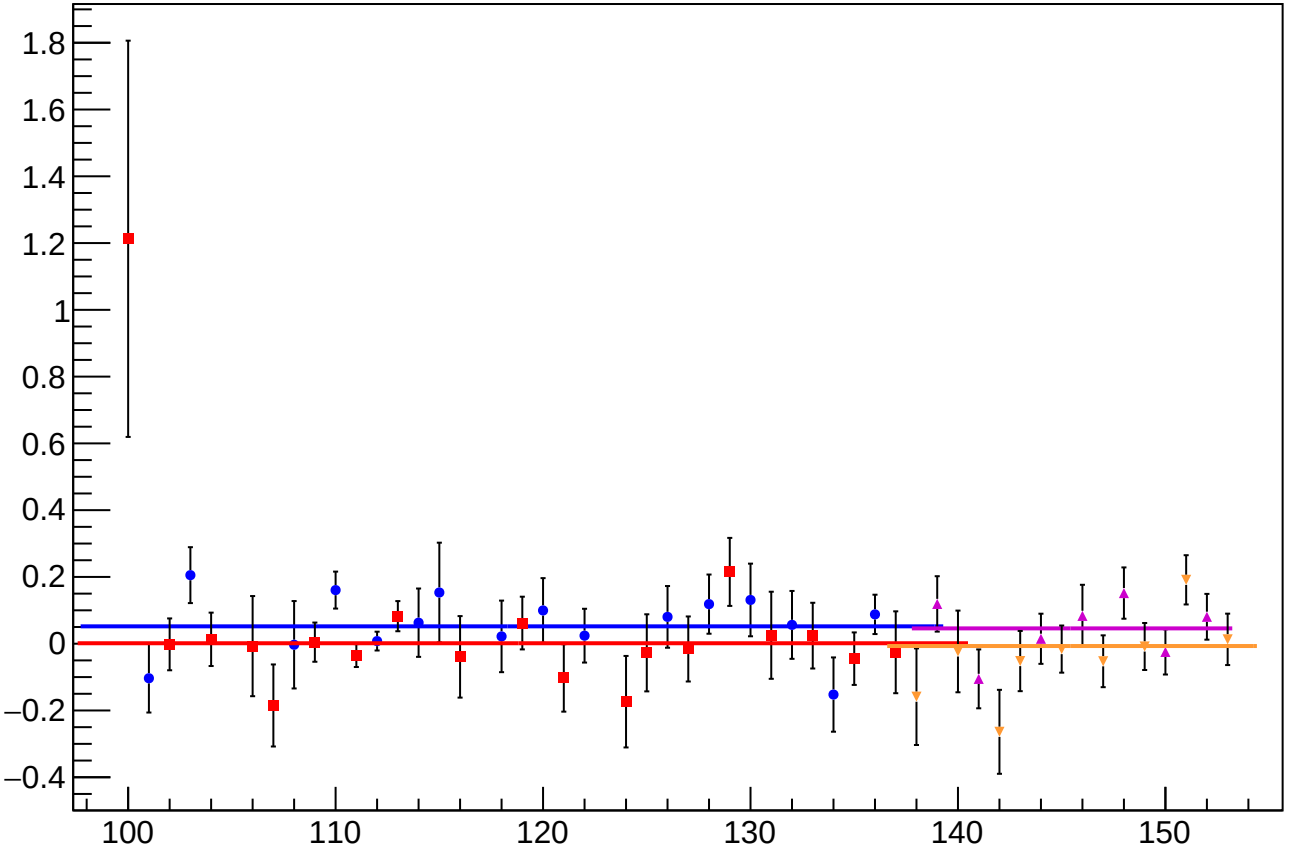
Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 49.025+/-0.011 χ^2/NDF:4501449.5/22

Out: 52.080+/-0.011 χ^2/NDF:4058699.1/27

All: 50.552+/-0.008 χ^2/NDF: 8600582.1/50

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: -0.007+/-0.029 χ^2/NDF:13.2/8

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.046+/-0.029 χ^2/NDF:7.3/6

Left: 0.019+/-0.020 χ^2/NDF: 22.2/15

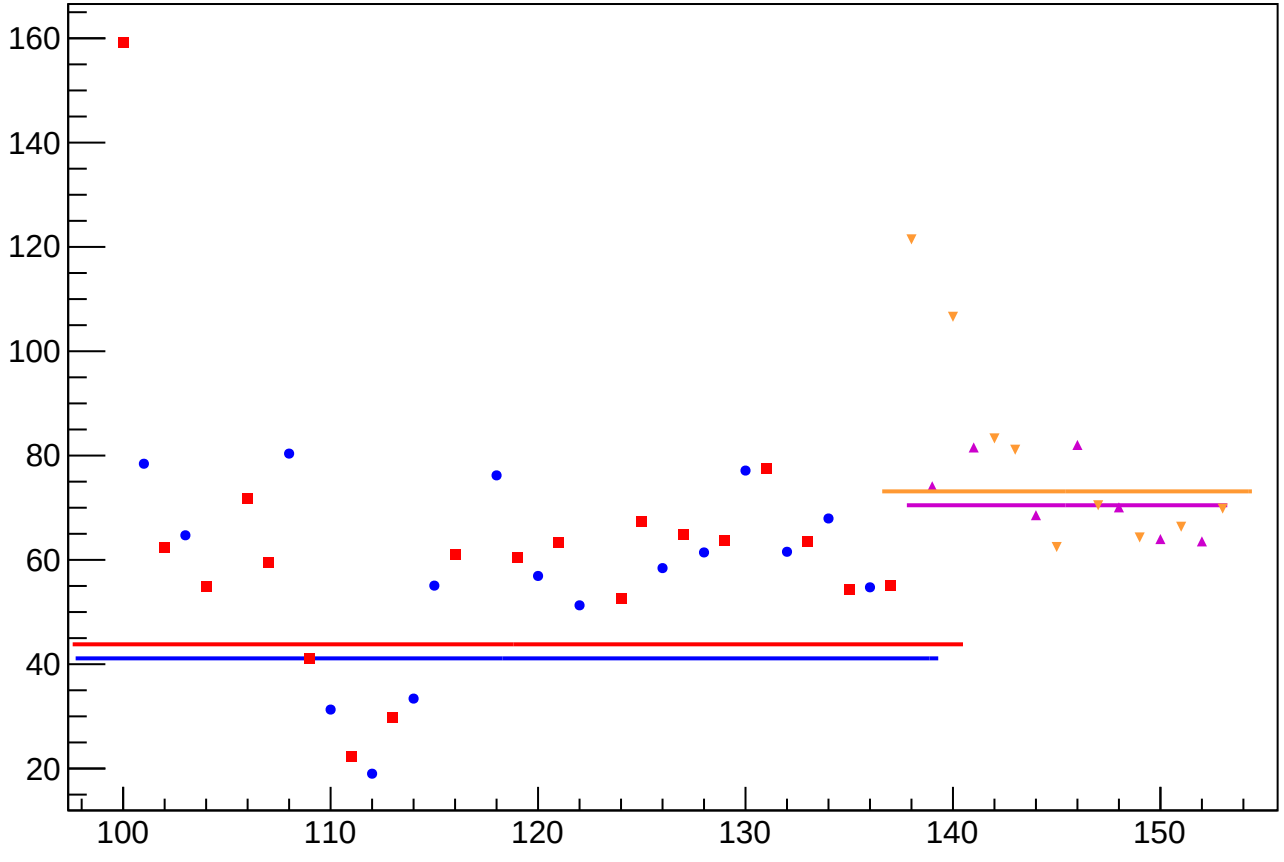
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.050+/-0.015 χ^2/NDF:25.3/22

Out: -0.001+/-0.015 χ^2/NDF:32.5/27

All: 0.025+/-0.011 χ^2/NDF: 63.5/50

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: 73.135+/-0.020 χ^2/NDF:501537.2/8

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 70.473+/-0.021 χ^2/NDF:106421.6/6

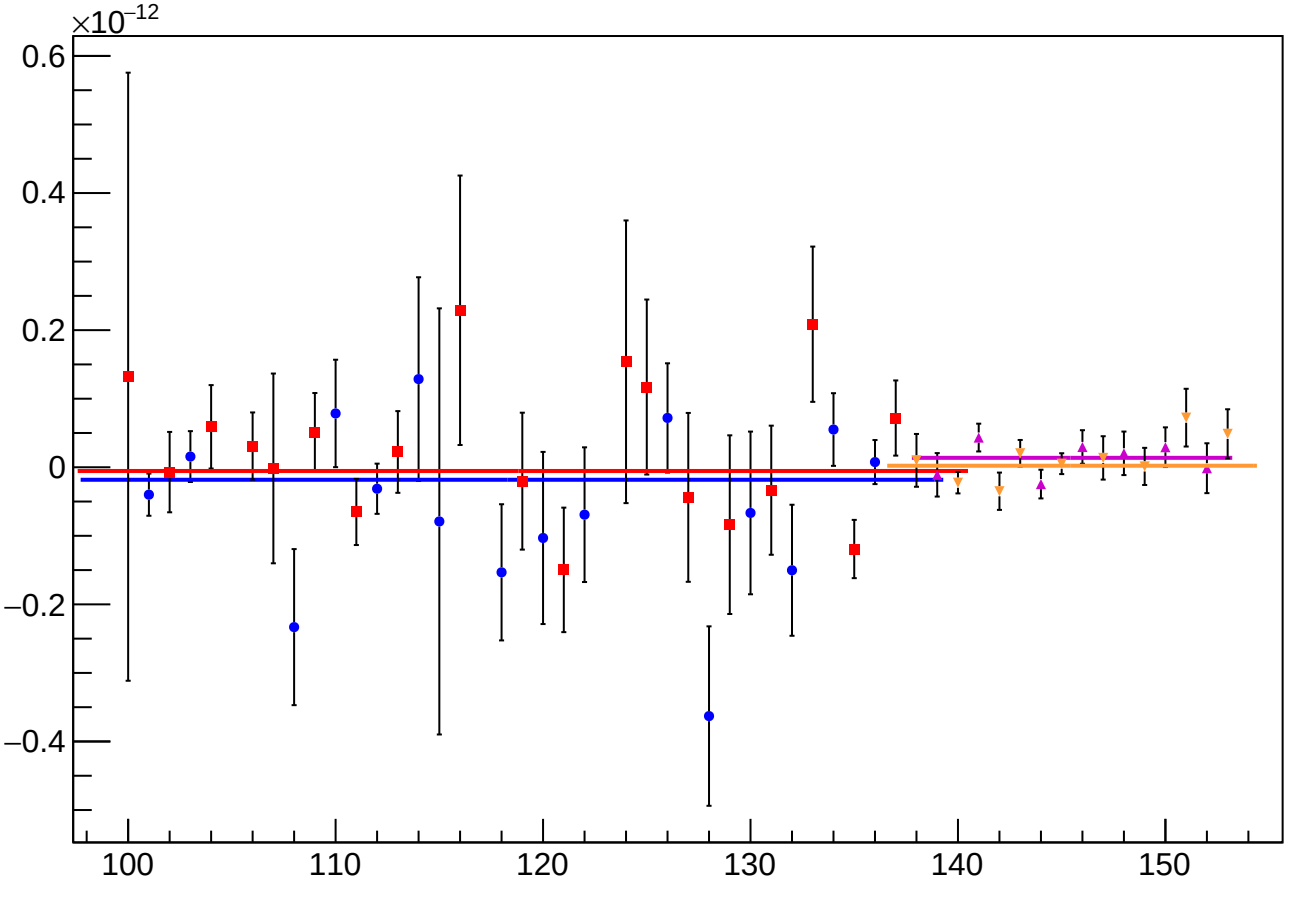
Left: 71.834+/-0.014 χ^2/NDF: 616412.8/15

Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 49.025+/-0.011 χ^2/NDF:4501449.5/22

Out: 52.080+/-0.011 χ^2/NDF:4058699.1/27

All: 50.552+/-0.008 χ^2/NDF: 8600582.1/50



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.9/8

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: 0.000+/-0.000 χ^2/NDF:7.0/6

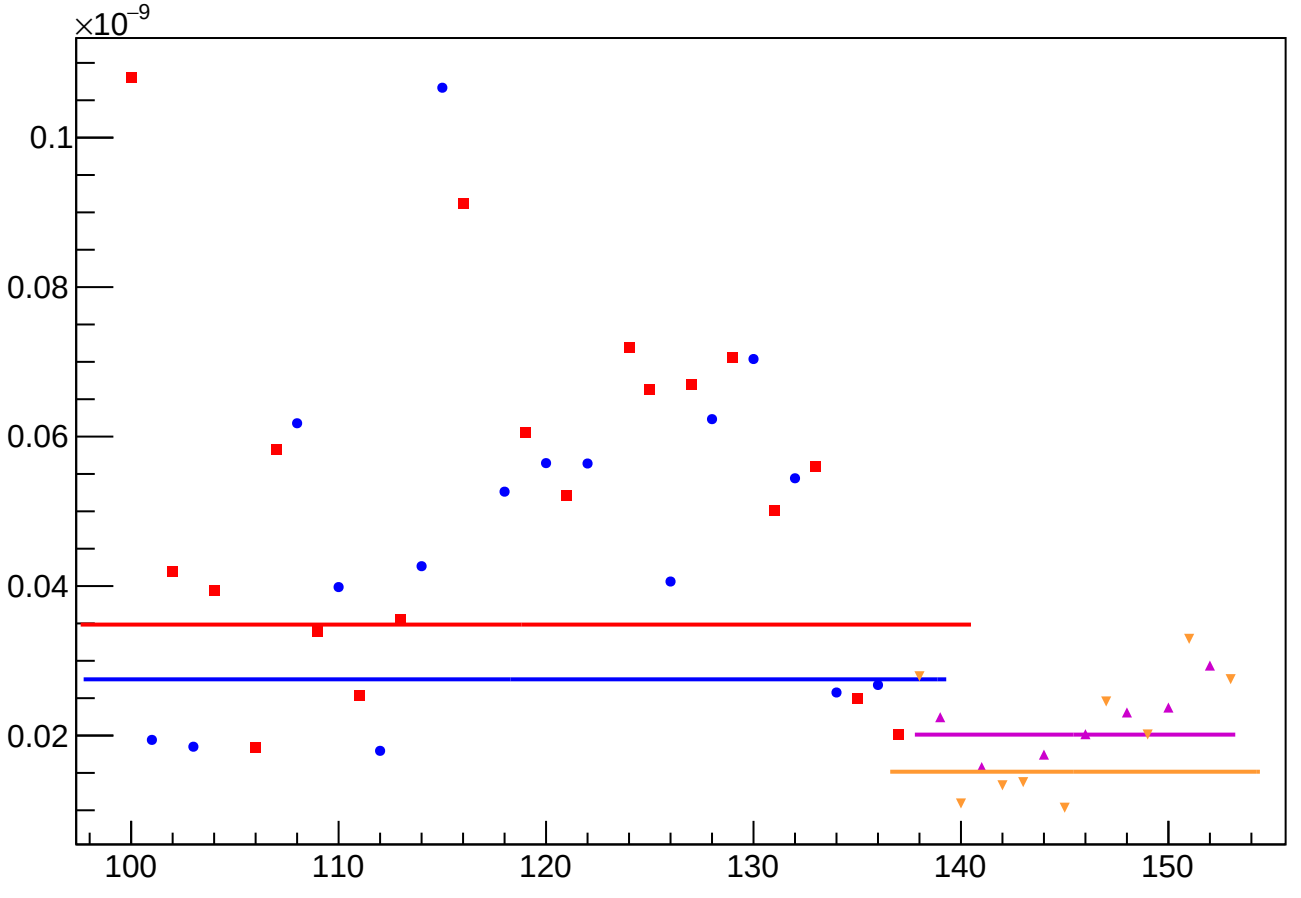
Left: 0.000+/-0.000 χ^2/NDF: 17.8/15

Right: -0.000+/-0.000 χ^2/NDF: 46.6/34

In: 0.000+/-0.000 χ^2/NDF:33.4/22

Out: 0.000+/-0.000 χ^2/NDF:33.4/27

All: 0.000+/-0.000 χ^2/NDF: 66.8/50



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1427670.5/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

Left In: 0.000+/-0.000 χ^2/NDF:313238.0/6

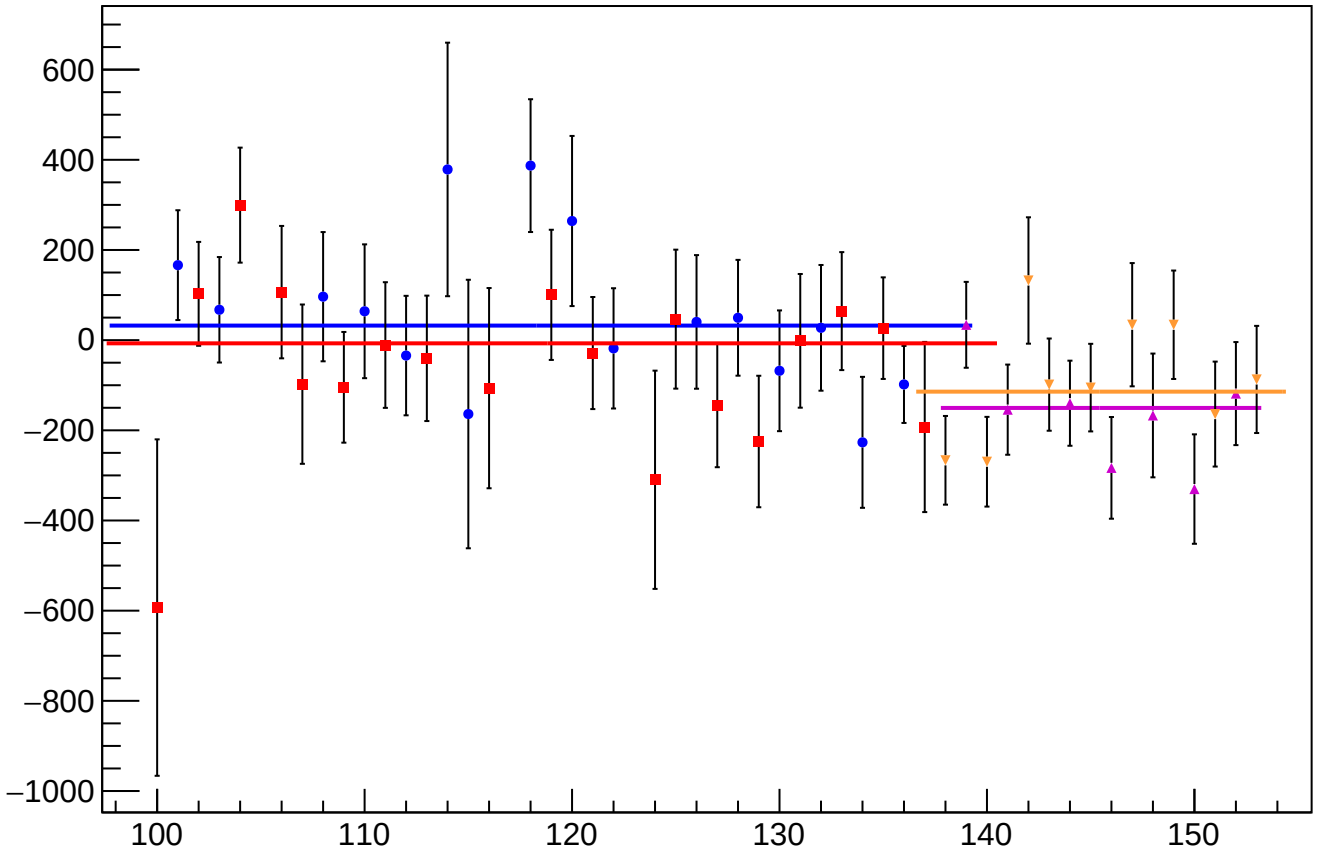
Left: 0.000+/-0.000 χ^2/NDF: 2055994.9/15

Right: 0.000+/-0.000 χ^2/NDF: 3696738.0/34

In: 0.000+/-0.000 χ^2/NDF:2472473.5/22

Out: 0.000+/-0.000 χ^2/NDF:5397018.5/27

All: 0.000+/-0.000 χ^2/NDF: 8127392.2/50



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -114.215+/-37.160 χ^2/NDF:10.9/8

Right Out: -7.070+/-33.420 χ^2/NDF: 17.8/18

Left In: -150.357+/-40.871 χ^2/NDF:7.4/6

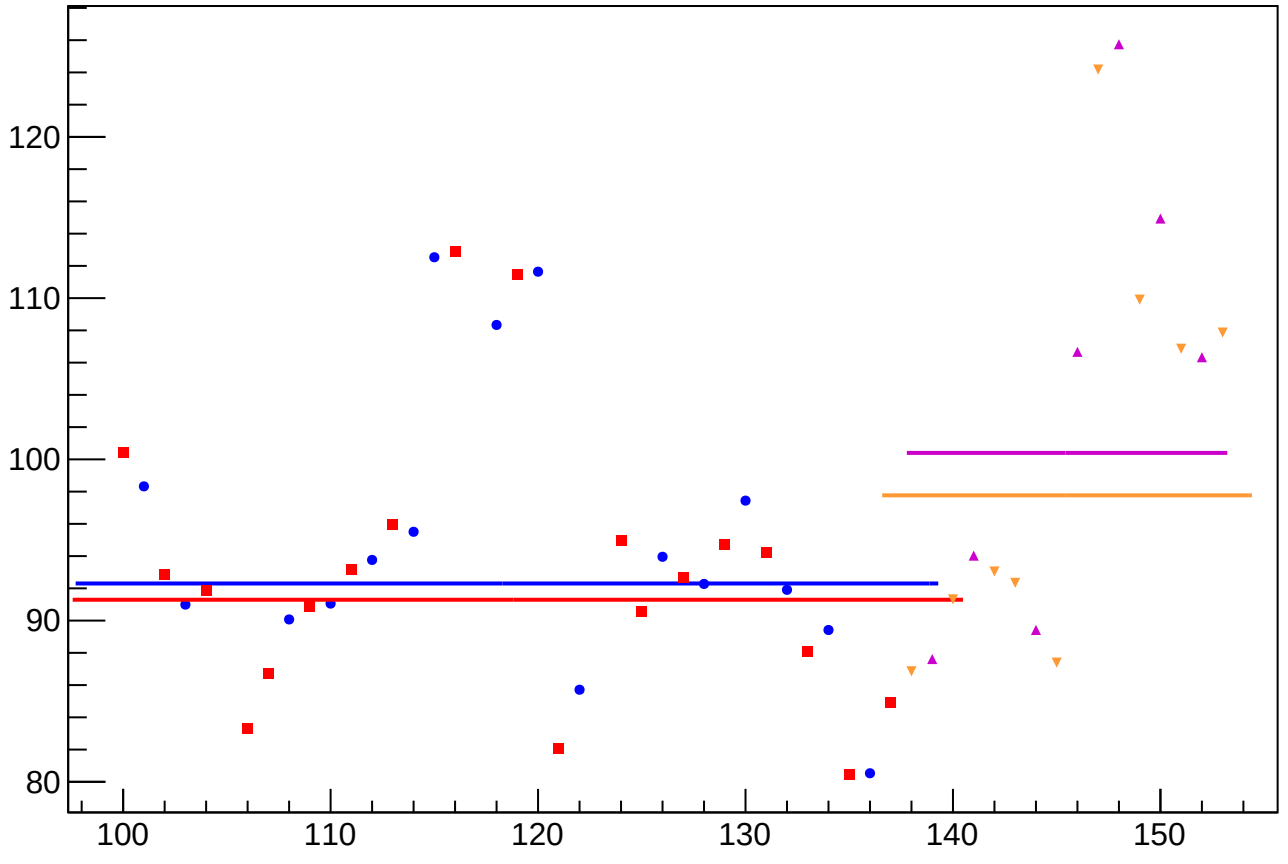
Left: -130.571+/-27.495 χ^2/NDF: 18.8/15

Right: 12.028+/-23.980 χ^2/NDF: 35.7/34

In: -43.517+/-26.331 χ^2/NDF:36.4/22

Out: -54.981+/-24.849 χ^2/NDF:33.3/27

All: -49.581+/-18.072 χ^2/NDF: 69.8/50



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 97.770+/-0.026 χ^2/NDF:185448.3/8

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

Left In: 100.401+/-0.029 χ^2/NDF:179695.2/6

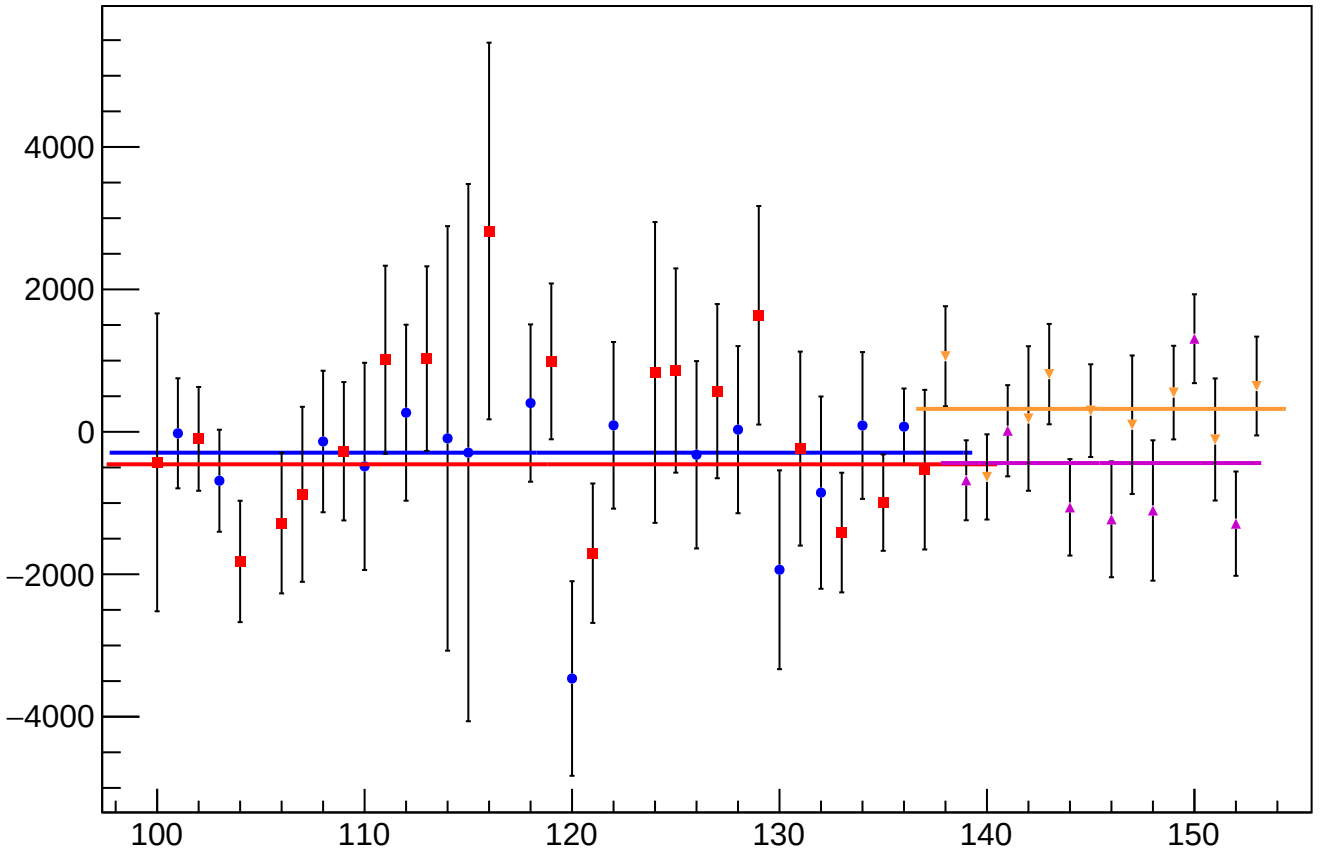
Left: 98.960+/-0.019 χ^2/NDF: 369681.7/15

Right: 91.783+/-0.017 χ^2/NDF: 213046.7/34

In: 95.664+/-0.019 χ^2/NDF:332694.6/22

Out: 94.189+/-0.018 χ^2/NDF:324126.3/27

All: 94.884+/-0.013 χ^2/NDF: 660137.8/50



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 322.458+/-242.714 χ^2/NDF:4.8/8

Right Out: -455.830+/-248.717 χ^2/NDF: 16.9/18

Left In: -438.235+/-260.254 χ^2/NDF:12.1/6

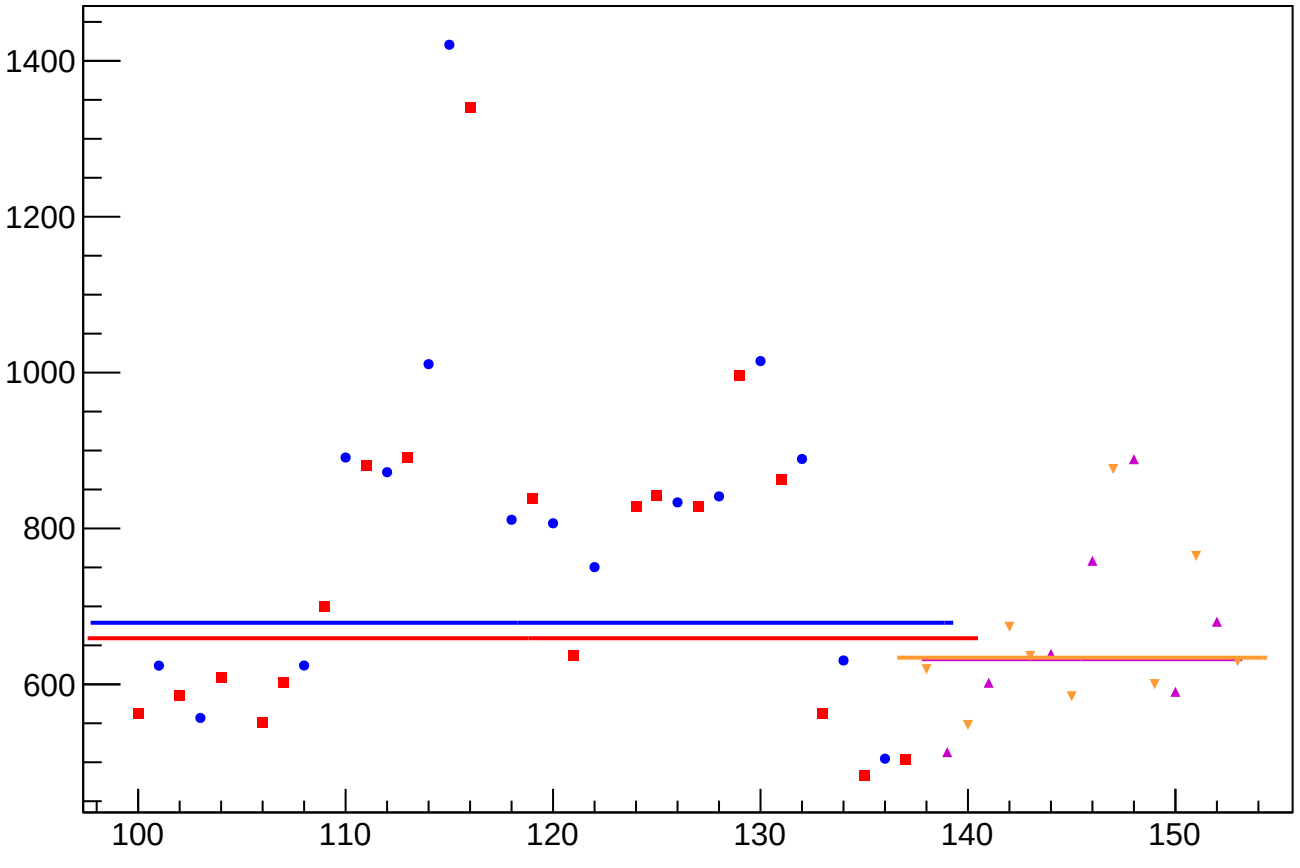
Left: -31.394+/-177.502 χ^2/NDF: 21.5/15

Right: -377.812+/-179.624 χ^2/NDF: 25.9/34

In: -365.338+/-183.828 χ^2/NDF:21.1/22

Out: -57.181+/-173.708 χ^2/NDF:26.7/27

All: -202.544+/-126.256 χ^2/NDF: 49.2/50



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 634.210+/-0.172 χ^2/NDF:233008.6/8

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

Left In: 632.284+/-0.184 χ^2/NDF:296261.8/6

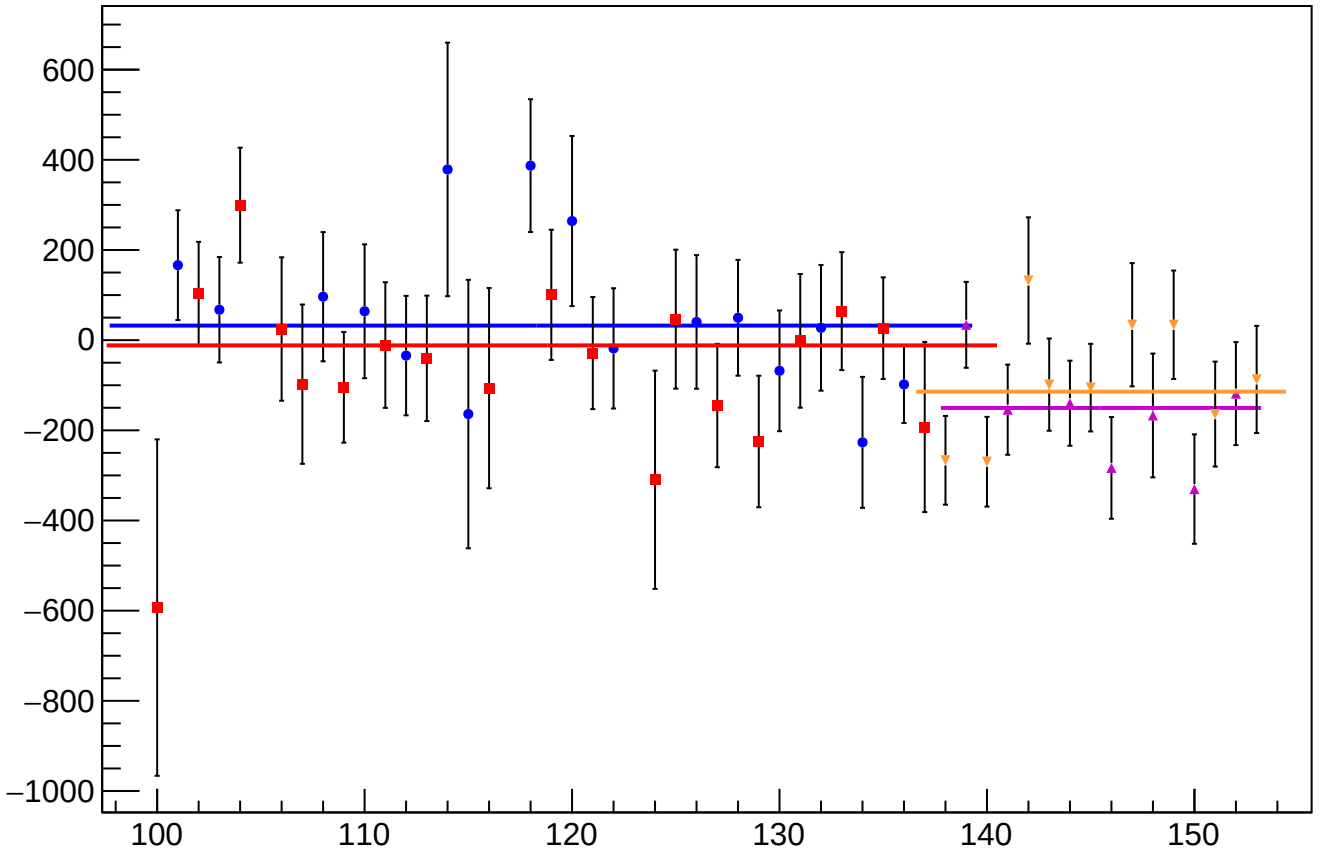
Left: 633.314+/-0.126 χ^2/NDF: 529329.0/15

Right: 668.639+/-0.127 χ^2/NDF: 1569967.8/34

In: 655.694+/-0.130 χ^2/NDF:1096539.6/22

Out: 646.367+/-0.123 χ^2/NDF:1039172.8/27

All: 650.767+/-0.089 χ^2/NDF: 2138432.1/50



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -114.217+/-37.160 χ^2/NDF:10.9/8

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -150.357+/-40.871 χ^2/NDF:7.4/6

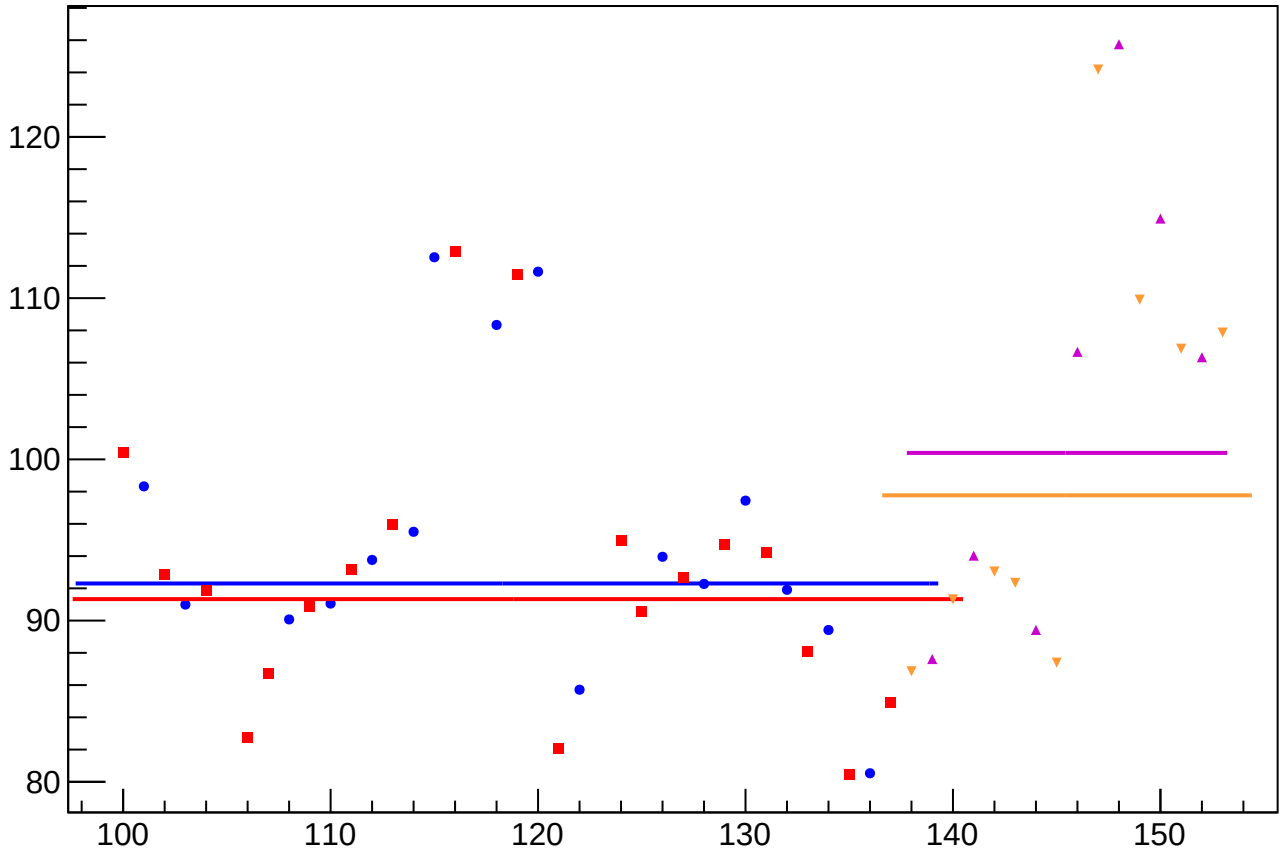
Left: -130.572+/-27.495 χ^2/NDF: 18.8/15

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -43.509+/-26.331 χ^2/NDF:36.4/22

Out: -57.667+/-24.902 χ^2/NDF:32.3/27

All: -50.983+/-18.092 χ^2/NDF: 68.9/50



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 97.770+/-0.026 χ^2/NDF:185448.3/8

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 100.401+/-0.029 χ^2/NDF:179695.2/6

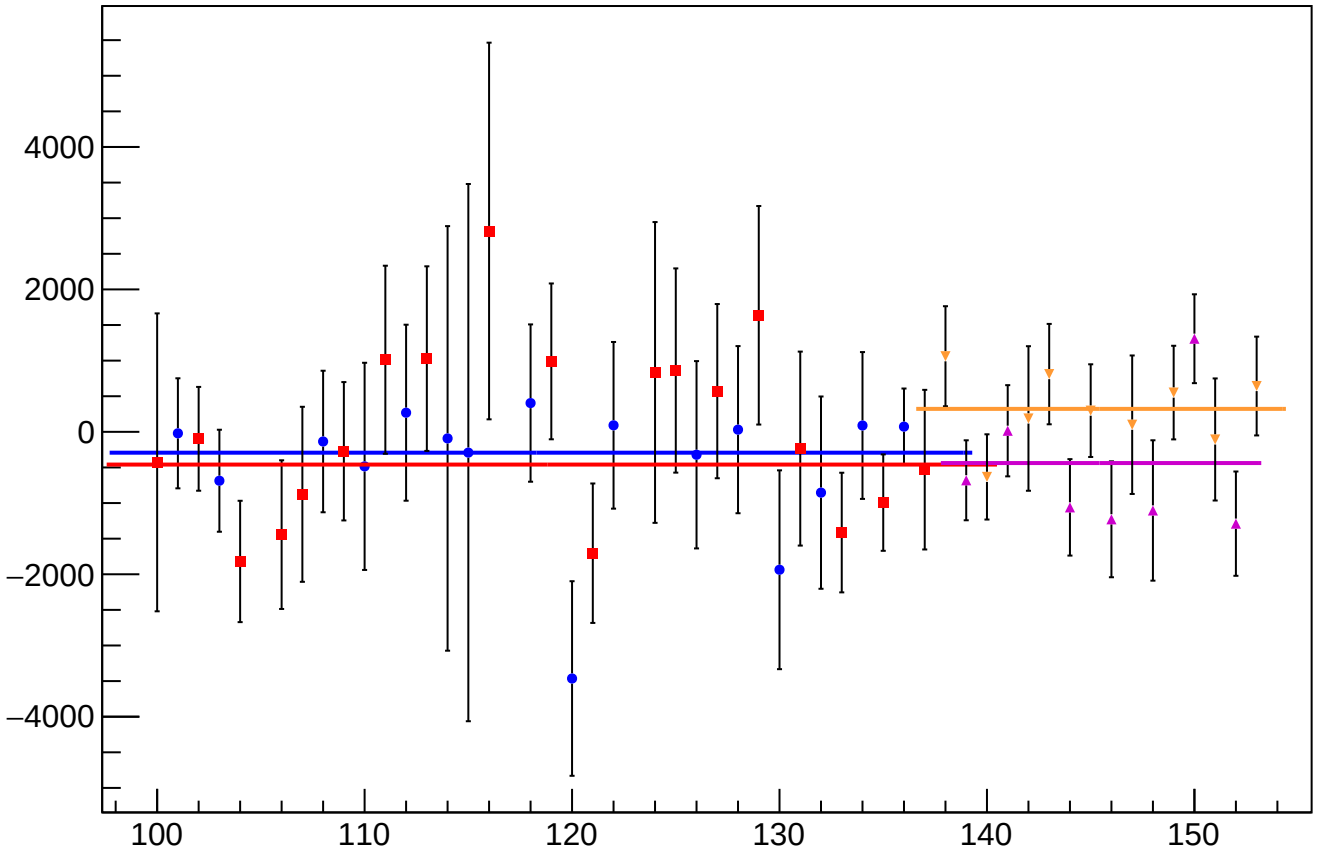
Left: 98.960+/-0.019 χ^2/NDF: 369681.7/15

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 95.664+/-0.019 χ^2/NDF:332694.6/22

Out: 94.223+/-0.018 χ^2/NDF:323437.7/27

All: 94.903+/-0.013 χ^2/NDF: 659294.2/50



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 322.455+/-242.714 χ^2/NDF:4.8/8

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -438.231+/-260.254 χ^2/NDF:12.1/6

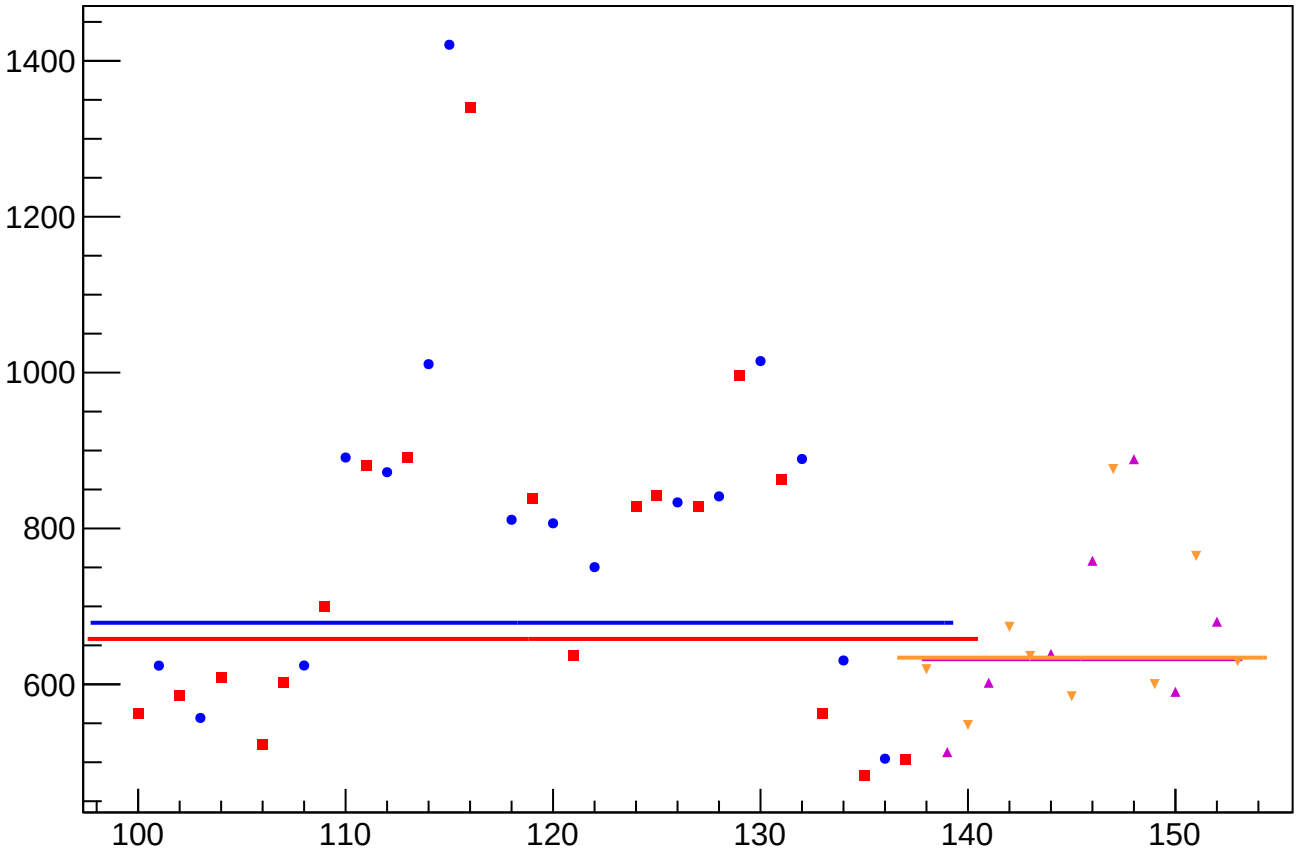
Left: -31.393+/-177.502 χ^2/NDF: 21.5/15

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -365.335+/-183.828 χ^2/NDF:21.1/22

Out: -57.723+/-173.989 χ^2/NDF:26.9/27

All: -203.077+/-126.364 χ^2/NDF: 49.4/50



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 634.211+/-0.172 χ^2/NDF:233008.9/8

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 632.284+/-0.184 χ^2/NDF:296261.7/6

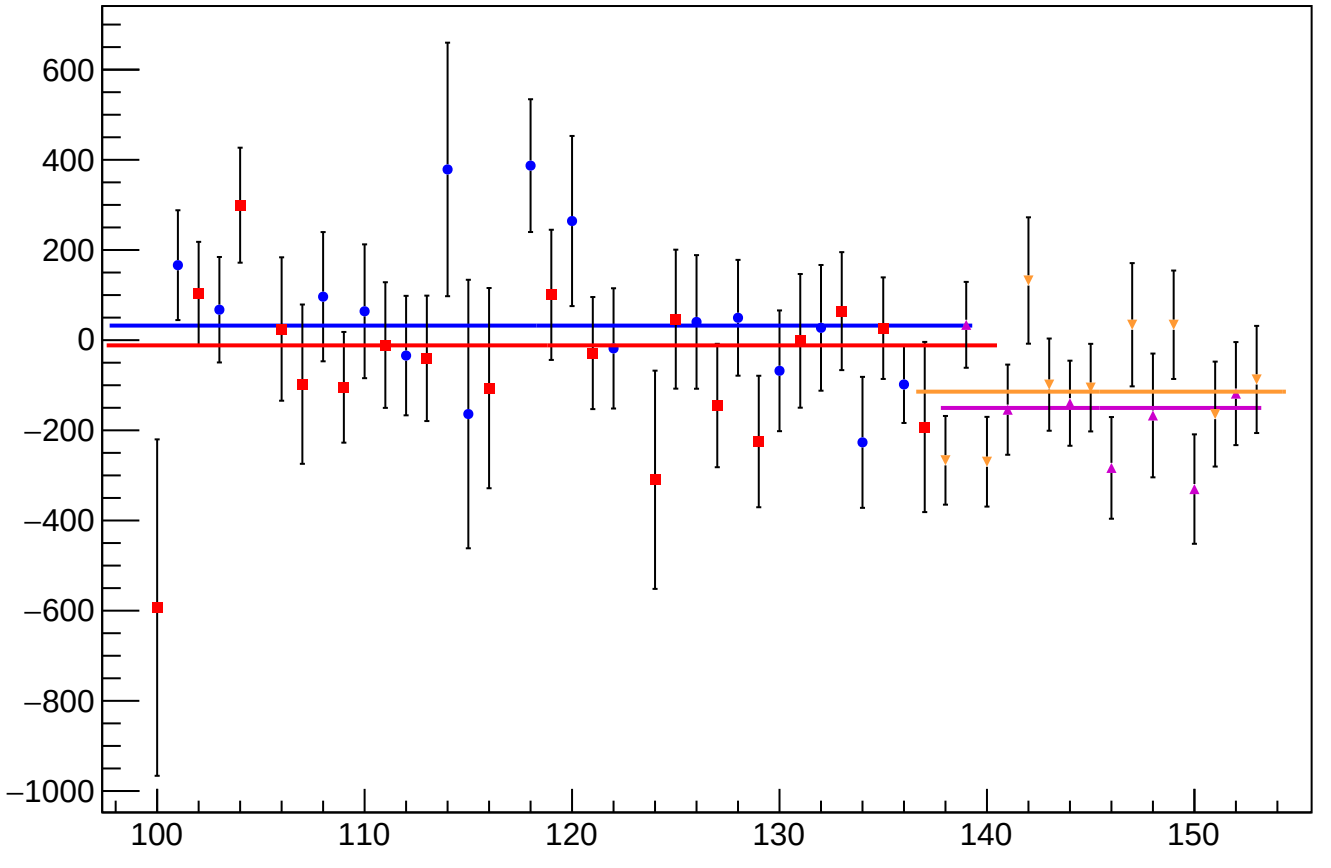
Left: 633.315+/-0.126 χ^2/NDF: 529329.2/15

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 655.694+/-0.130 χ^2/NDF:1096540.7/22

Out: 645.903+/-0.123 χ^2/NDF:1048454.1/27

All: 650.529+/-0.089 χ^2/NDF: 2147987.7/50



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -114.217+/-37.160 χ^2/NDF:10.9/8

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -150.357+/-40.871 χ^2/NDF:7.4/6

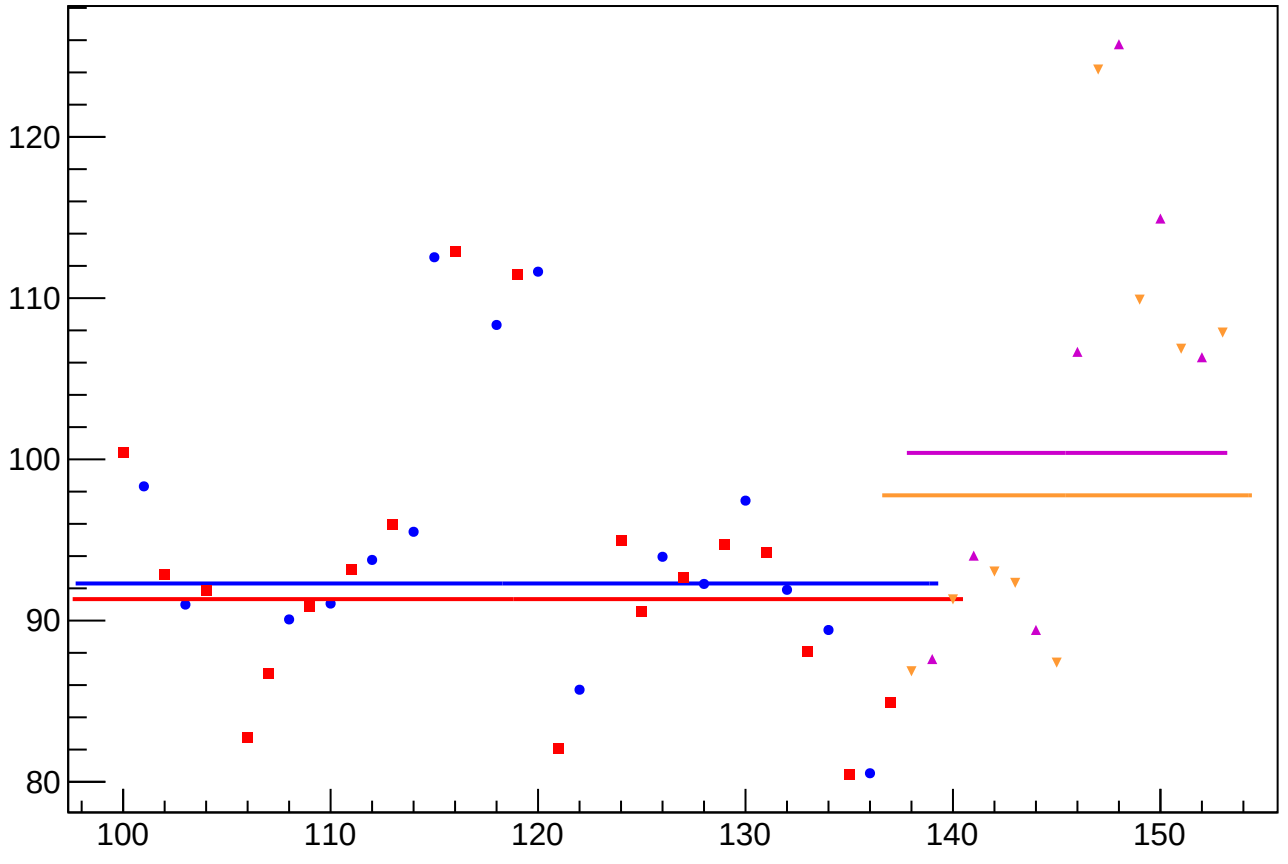
Left: -130.572+/-27.495 χ^2/NDF: 18.8/15

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -43.509+/-26.331 χ^2/NDF:36.4/22

Out: -57.667+/-24.902 χ^2/NDF:32.3/27

All: -50.983+/-18.092 χ^2/NDF: 68.9/50



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 97.770+/-0.026 χ^2/NDF:185448.3/8

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 100.401+/-0.029 χ^2/NDF:179695.2/6

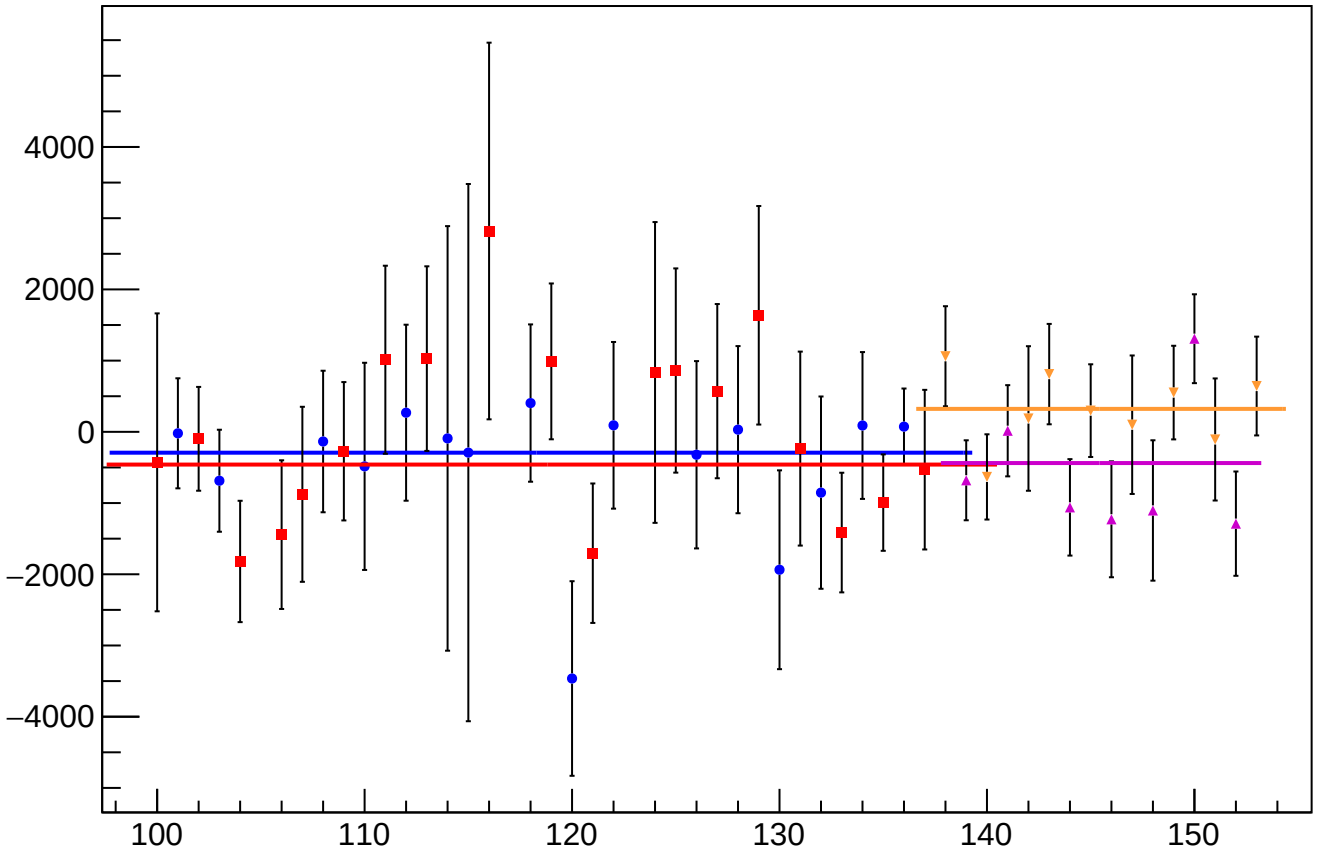
Left: 98.960+/-0.019 χ^2/NDF: 369681.7/15

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 95.664+/-0.019 χ^2/NDF:332694.6/22

Out: 94.223+/-0.018 χ^2/NDF:323437.7/27

All: 94.903+/-0.013 χ^2/NDF: 659294.2/50



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 322.455+/-242.714 χ^2/NDF:4.8/8

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -438.231+/-260.254 χ^2/NDF:12.1/6

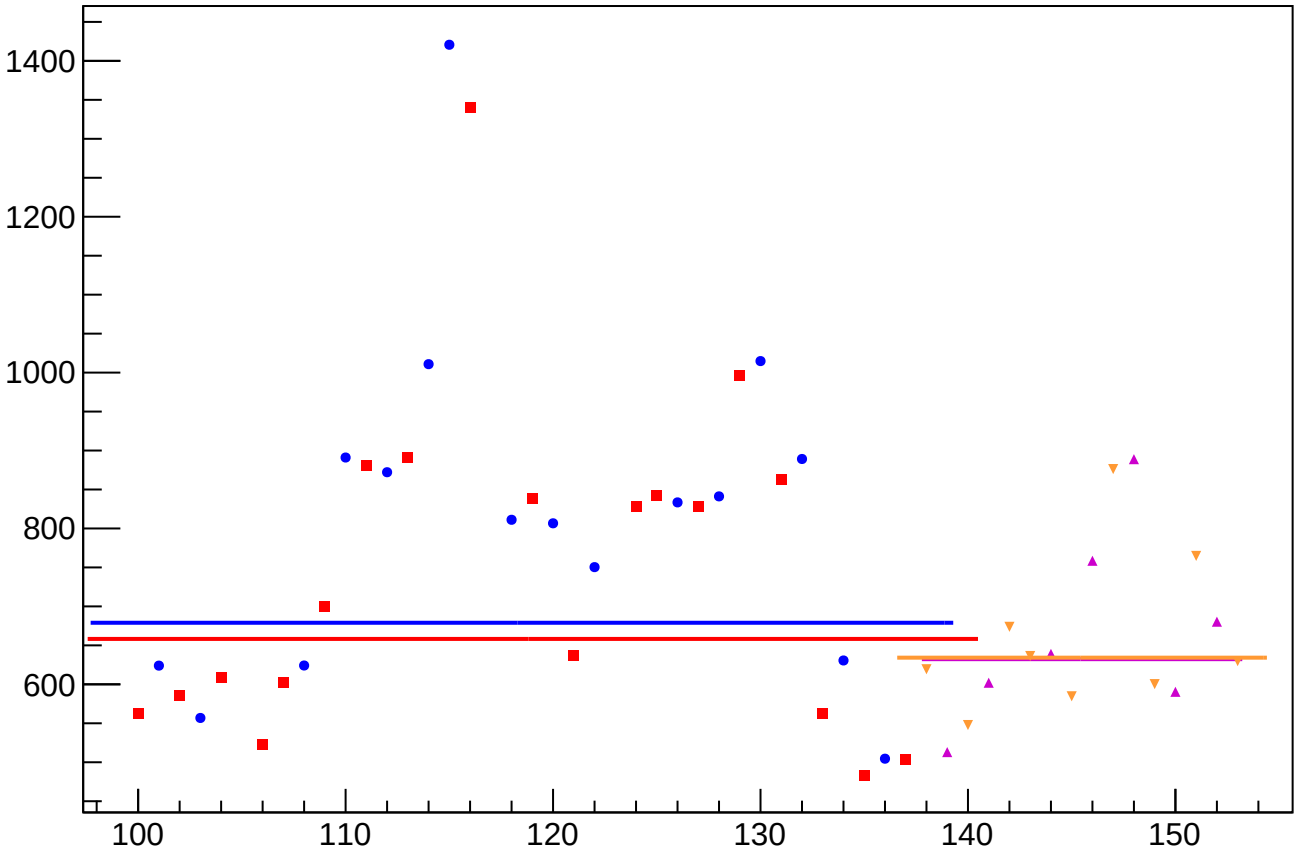
Left: -31.393+/-177.502 χ^2/NDF: 21.5/15

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -365.335+/-183.828 χ^2/NDF:21.1/22

Out: -57.723+/-173.989 χ^2/NDF:26.9/27

All: -203.077+/-126.364 χ^2/NDF: 49.4/50



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 634.211+/-0.172 χ^2/NDF:233008.9/8

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 632.284+/-0.184 χ^2/NDF:296261.7/6

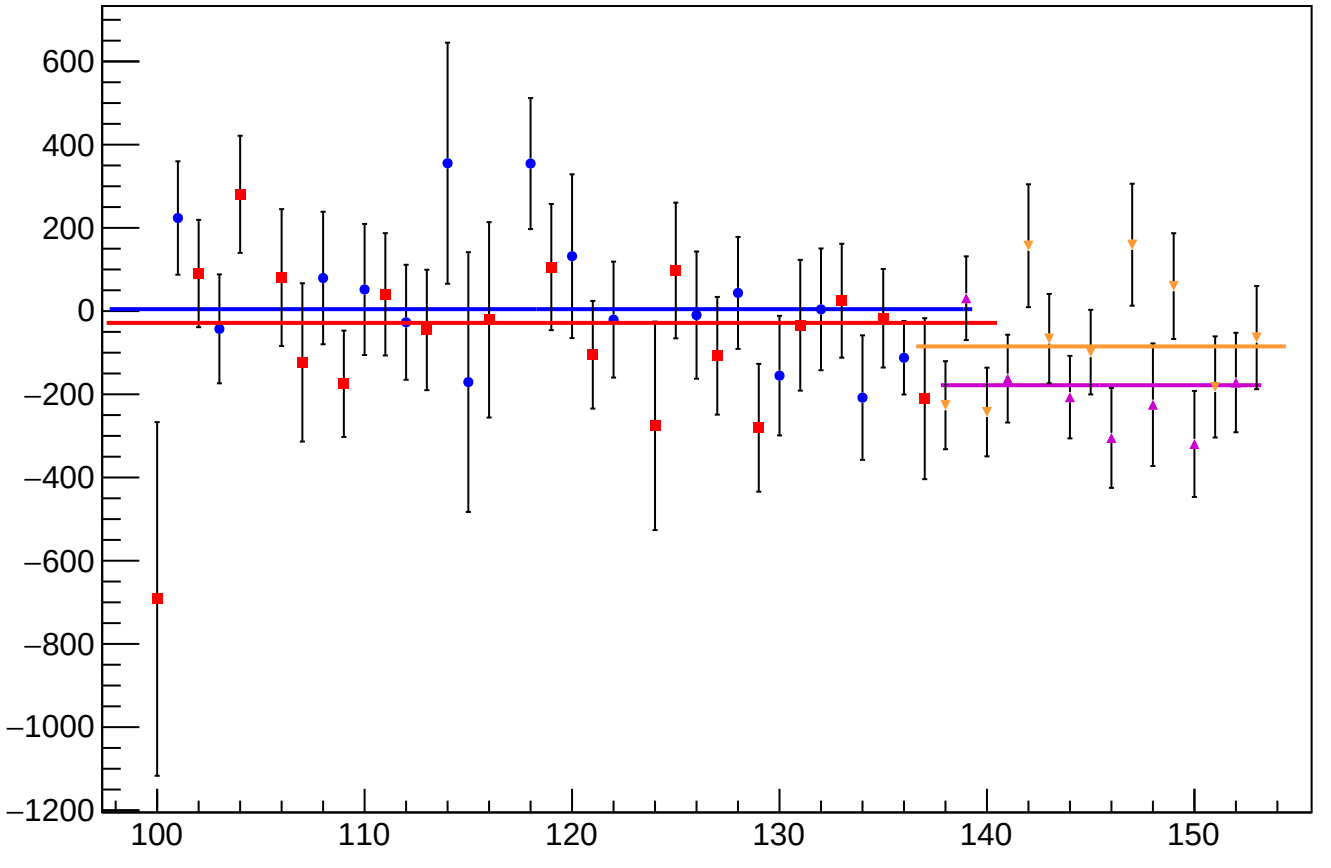
Left: 633.315+/-0.126 χ^2/NDF: 529329.2/15

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 655.694+/-0.130 χ^2/NDF:1096540.7/22

Out: 645.903+/-0.123 χ^2/NDF:1048454.1/27

All: 650.529+/-0.089 χ^2/NDF: 2147987.7/50



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -84.920+/-39.285 χ^2/NDF:11.5/8

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -178.185+/-43.139 χ^2/NDF:6.9/6

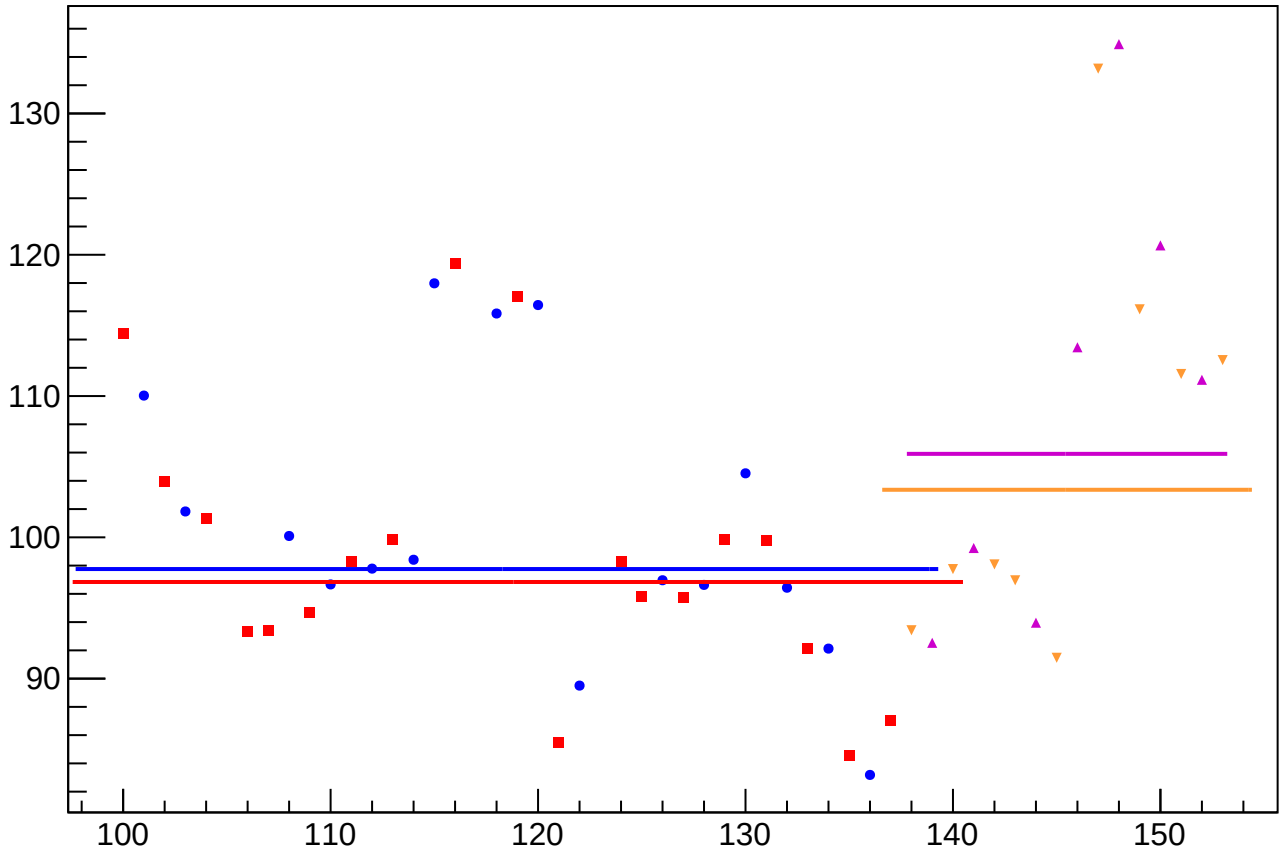
Left: -127.201+/-29.046 χ^2/NDF: 20.9/15

Right: -12.373+/-25.439 χ^2/NDF: 32.9/34

In: -71.670+/-27.868 χ^2/NDF:32.7/22

Out: -53.783+/-26.325 χ^2/NDF:29.7/27

All: -62.218+/-19.137 χ^2/NDF: 62.6/50



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 103.366+/-0.028 χ^2/NDF:183209.9/8

Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 105.909+/-0.031 χ^2/NDF:188474.3/6

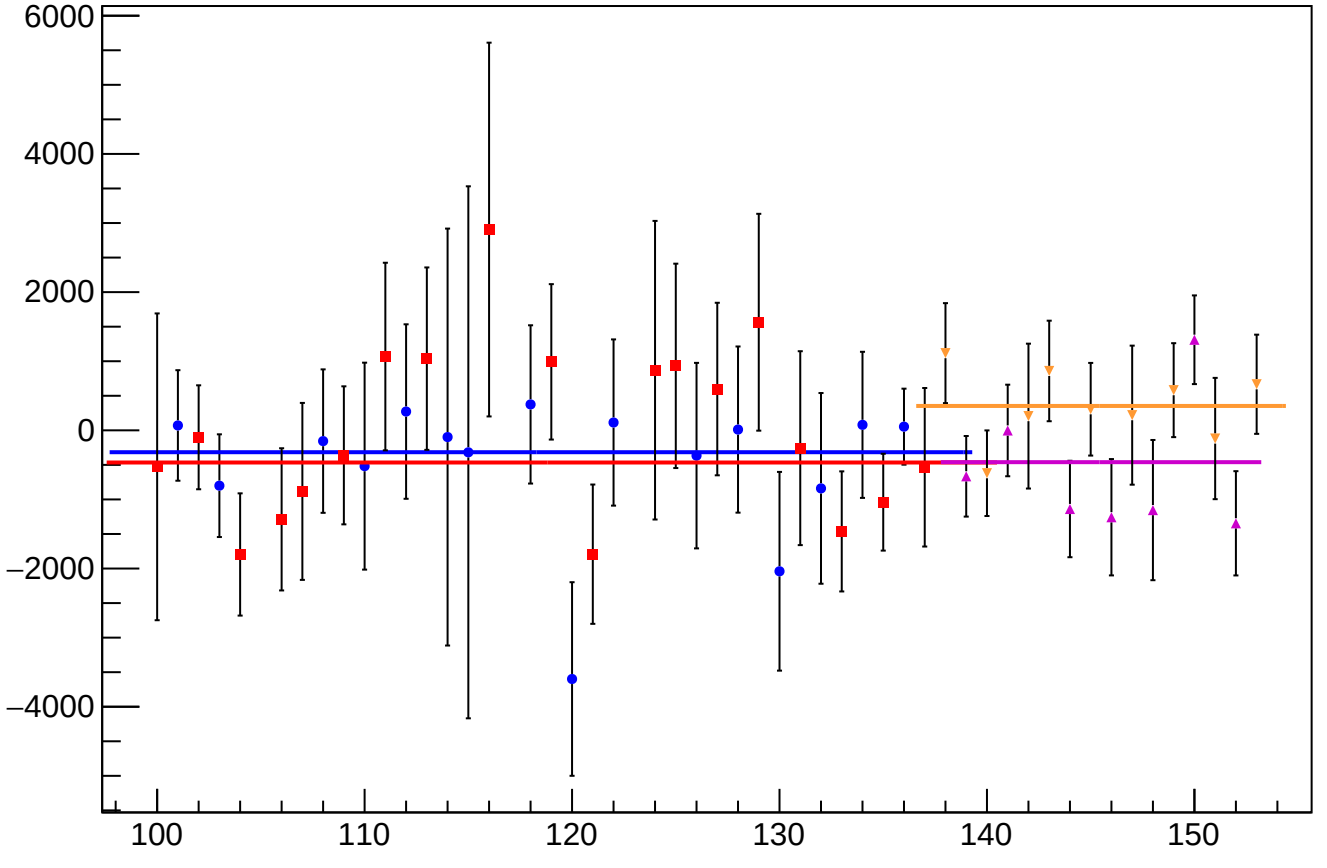
Left: 104.519+/-0.021 χ^2/NDF: 375481.5/15

Right: 97.285+/-0.018 χ^2/NDF: 256473.4/34

In: 101.158+/-0.020 χ^2/NDF:370749.6/22

Out: 99.770+/-0.019 χ^2/NDF:328795.3/27

All: 100.425+/-0.014 χ^2/NDF: 702166.7/50



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 352.808+/-250.534 χ^2/NDF:4.7/8

Right Out: -465.576+/-256.646 χ^2/NDF: 16.5/18

Left In: -460.671+/-268.816 χ^2/NDF:11.9/6

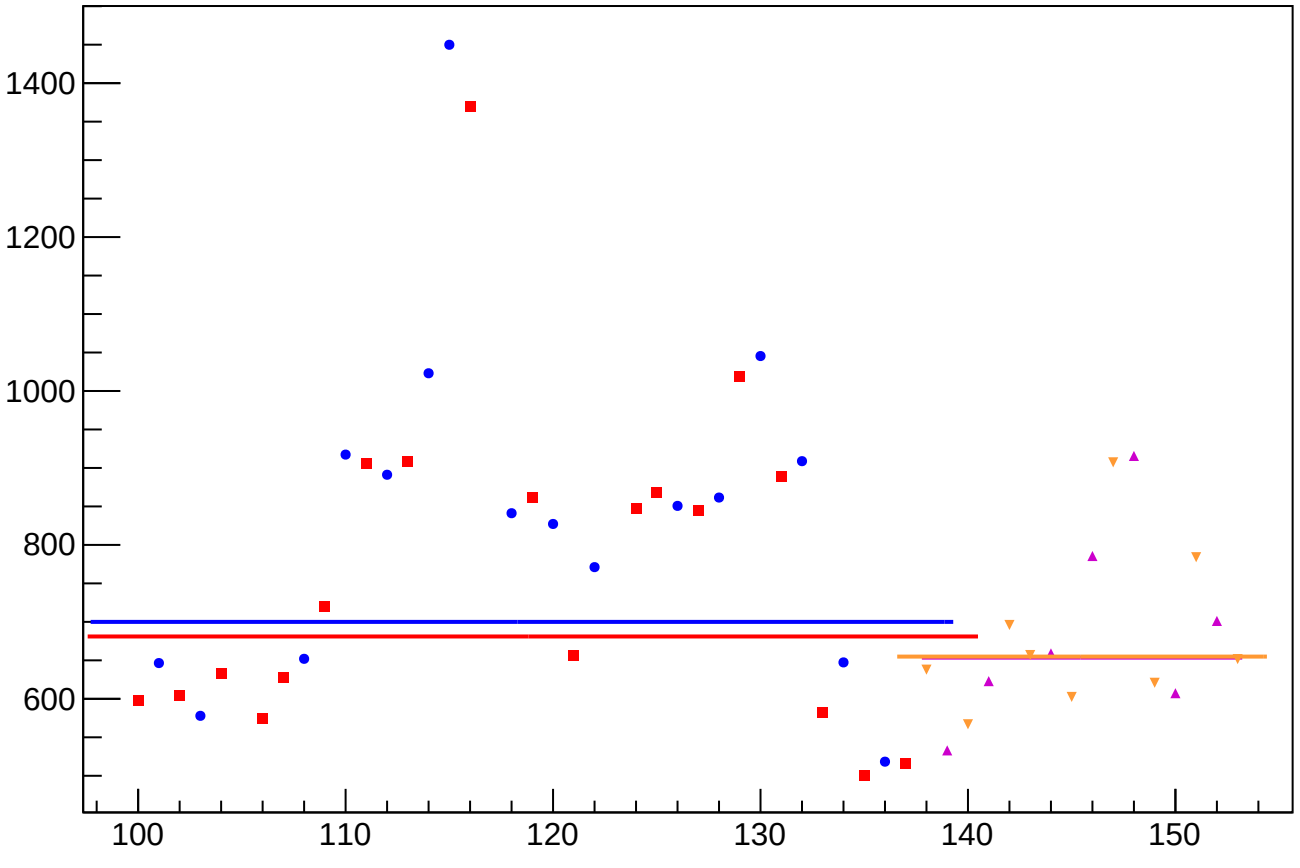
Left: -25.332+/-183.277 χ^2/NDF: 21.5/15

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -388.272+/-189.620 χ^2/NDF:21.2/22

Out: -46.523+/-179.276 χ^2/NDF:26.4/27

All: -207.823+/-130.271 χ^2/NDF: 49.3/50



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 654.878+/-0.177 χ^2/NDF:230968.8/8

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

Left In: 653.534+/-0.190 χ^2/NDF:290798.6/6

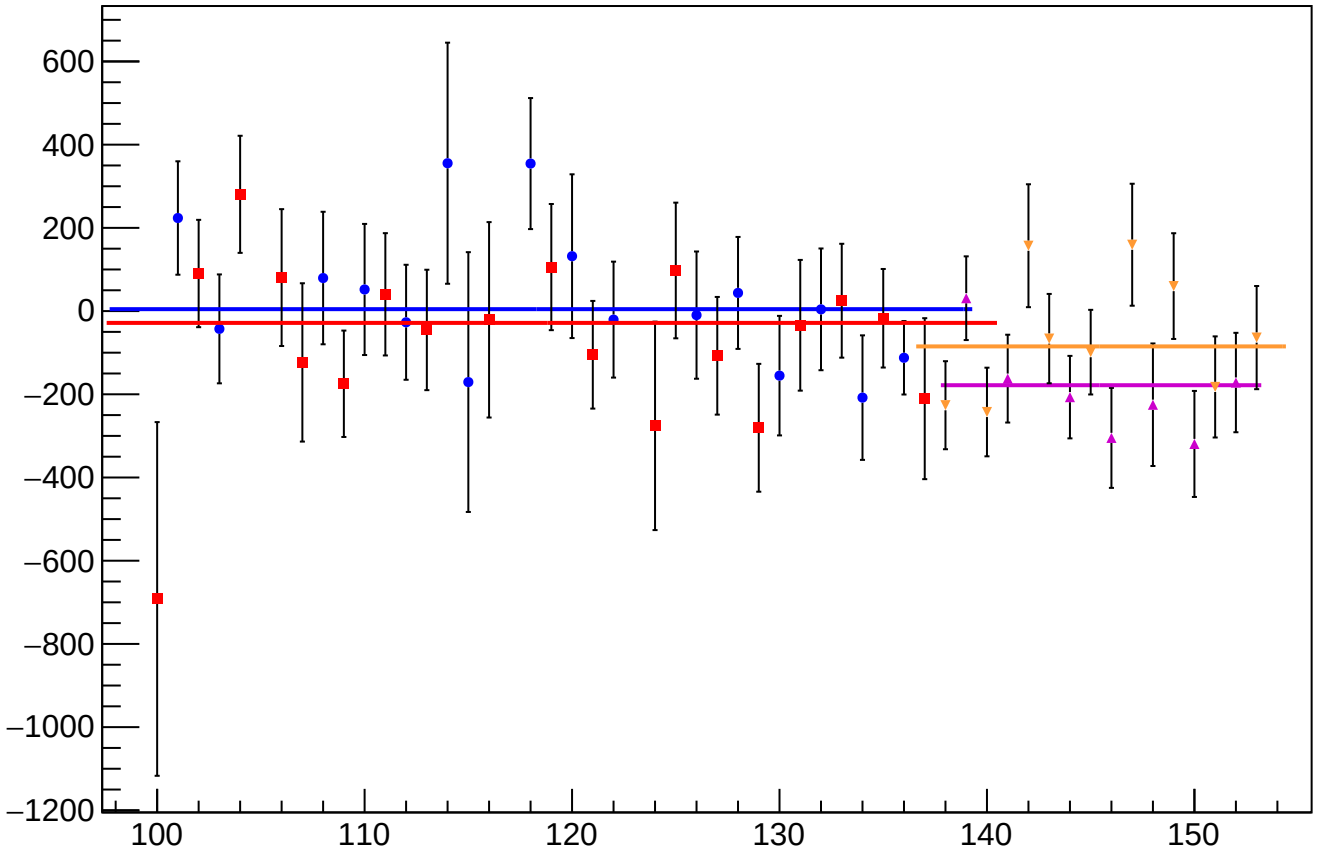
Left: 654.253+/-0.130 χ^2/NDF: 521794.2/15

Right: 690.102+/-0.131 χ^2/NDF: 1528292.0/34

In: 676.866+/-0.134 χ^2/NDF:1074452.7/22

Out: 667.632+/-0.127 χ^2/NDF:1010988.4/27

All: 671.990+/-0.092 χ^2/NDF: 2087945.1/50



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -84.921+/-39.285 χ^2/NDF:11.5/8

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -178.185+/-43.139 χ^2/NDF:6.9/6

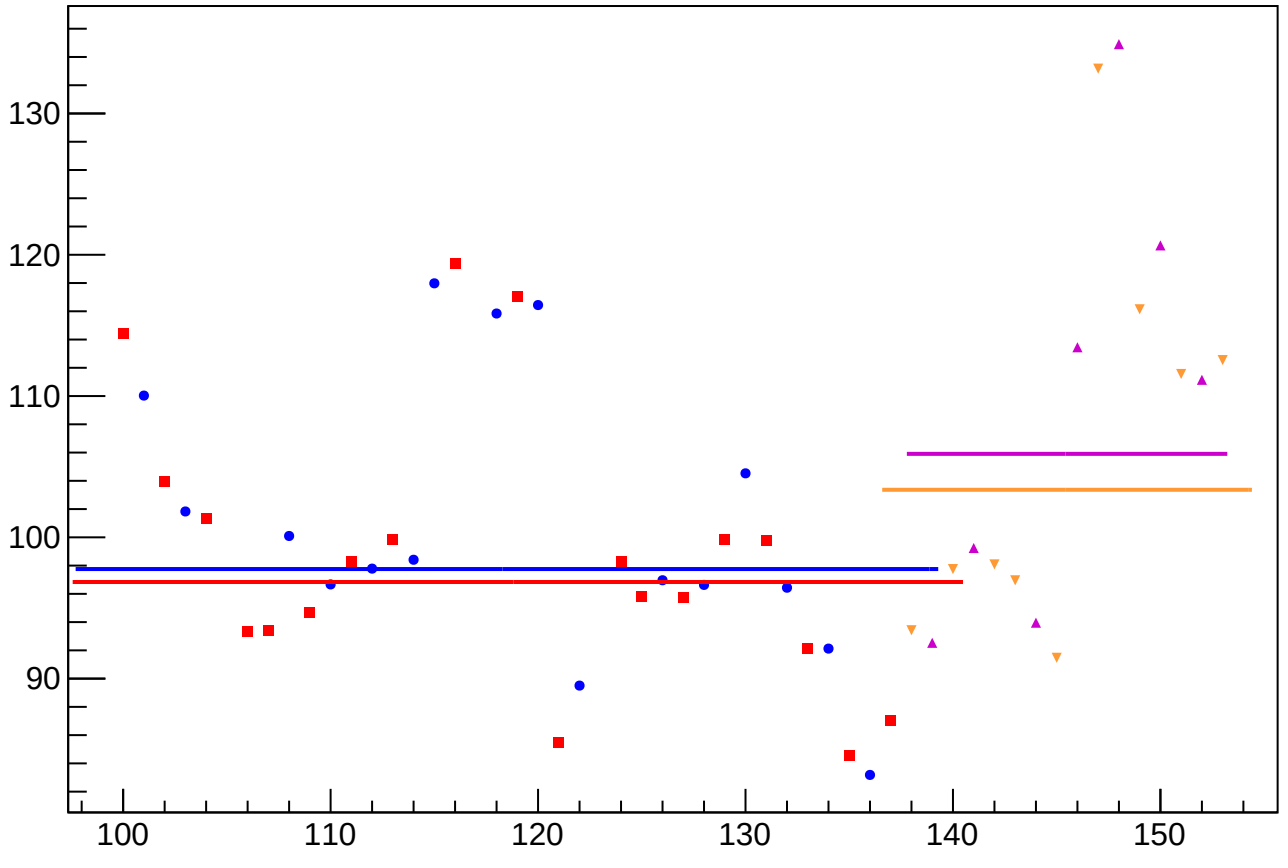
Left: -127.201+/-29.046 χ^2/NDF: 20.9/15

Right: -12.373+/-25.438 χ^2/NDF: 32.9/34

In: -71.669+/-27.868 χ^2/NDF:32.7/22

Out: -53.783+/-26.325 χ^2/NDF:29.7/27

All: -62.217+/-19.137 χ^2/NDF: 62.6/50



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 103.366+/-0.028 χ^2/NDF:183210.8/8

Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 105.909+/-0.031 χ^2/NDF:188474.1/6

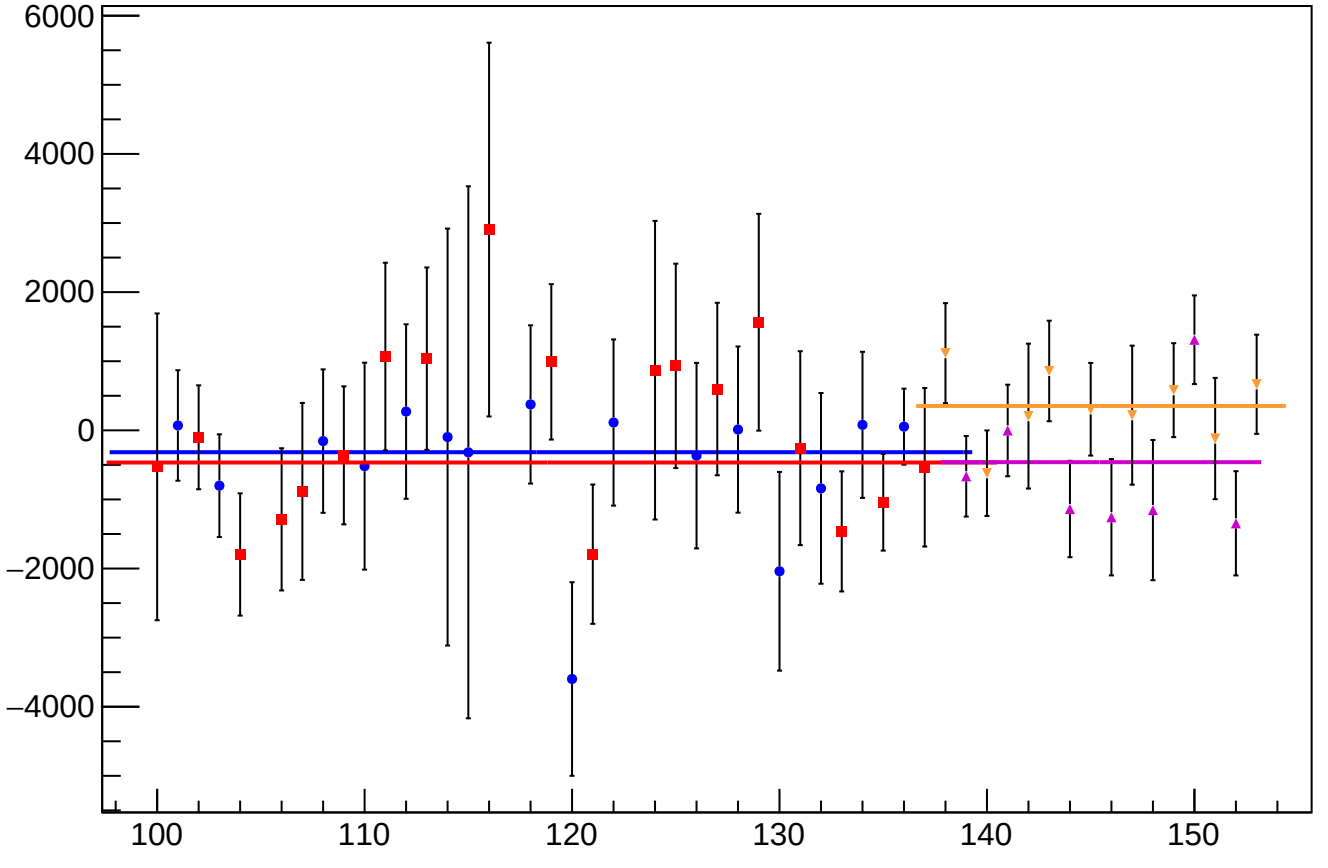
Left: 104.519+/-0.021 χ^2/NDF: 375482.4/15

Right: 97.284+/-0.018 χ^2/NDF: 256476.1/34

In: 101.158+/-0.020 χ^2/NDF:370754.7/22

Out: 99.770+/-0.019 χ^2/NDF:328802.6/27

All: 100.425+/-0.014 χ^2/NDF: 702179.2/50



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 352.808+/-250.534 χ^2/NDF:4.7/8

Right Out: -465.576+/-256.645 χ^2/NDF: 16.5/18

Left In: -460.673+/-268.816 χ^2/NDF:11.9/6

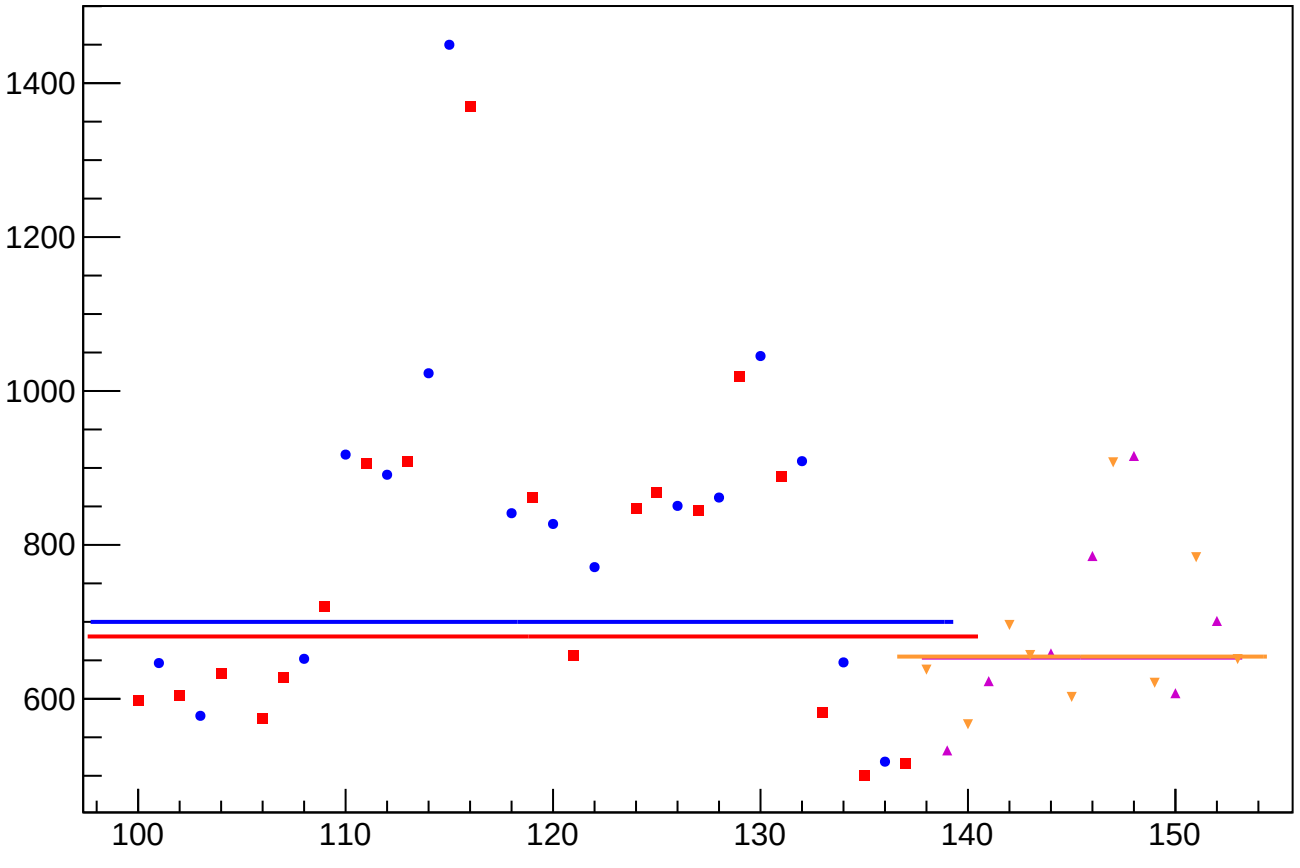
Left: -25.332+/-183.277 χ^2/NDF: 21.5/15

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -388.272+/-189.620 χ^2/NDF:21.2/22

Out: -46.525+/-179.276 χ^2/NDF:26.4/27

All: -207.823+/-130.271 χ^2/NDF: 49.3/50



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 654.879+/-0.177 χ^2/NDF:230968.0/8

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

Left In: 653.535+/-0.190 χ^2/NDF:290798.3/6

Left: 654.254+/-0.130 χ^2/NDF: 521793.0/15

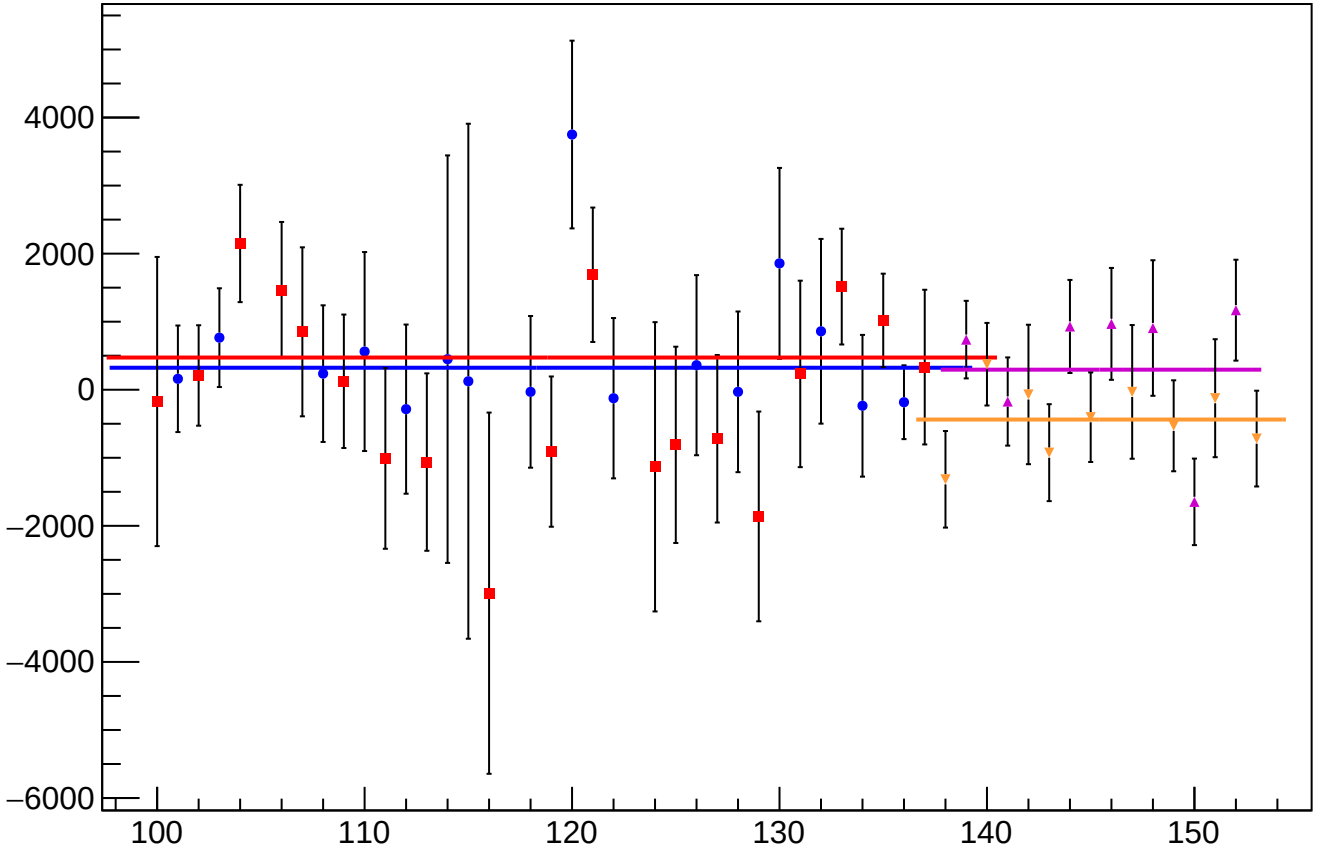
Right: 690.100+/-0.131 χ^2/NDF: 1528298.1/34

In: 676.866+/-0.134 χ^2/NDF:1074451.9/22

Out: 667.632+/-0.127 χ^2/NDF:1010988.8/27

All: 671.990+/-0.092 χ^2/NDF: 2087944.8/50

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -437.956+/-245.744 χ^2/NDF:4.4/8

Right Out: 473.233+/-251.330 χ^2/NDF: 19.4/18

Left In: 294.857+/-263.726 χ^2/NDF:13.8/6

Left: -97.383+/-179.788 χ^2/NDF: 22.3/15

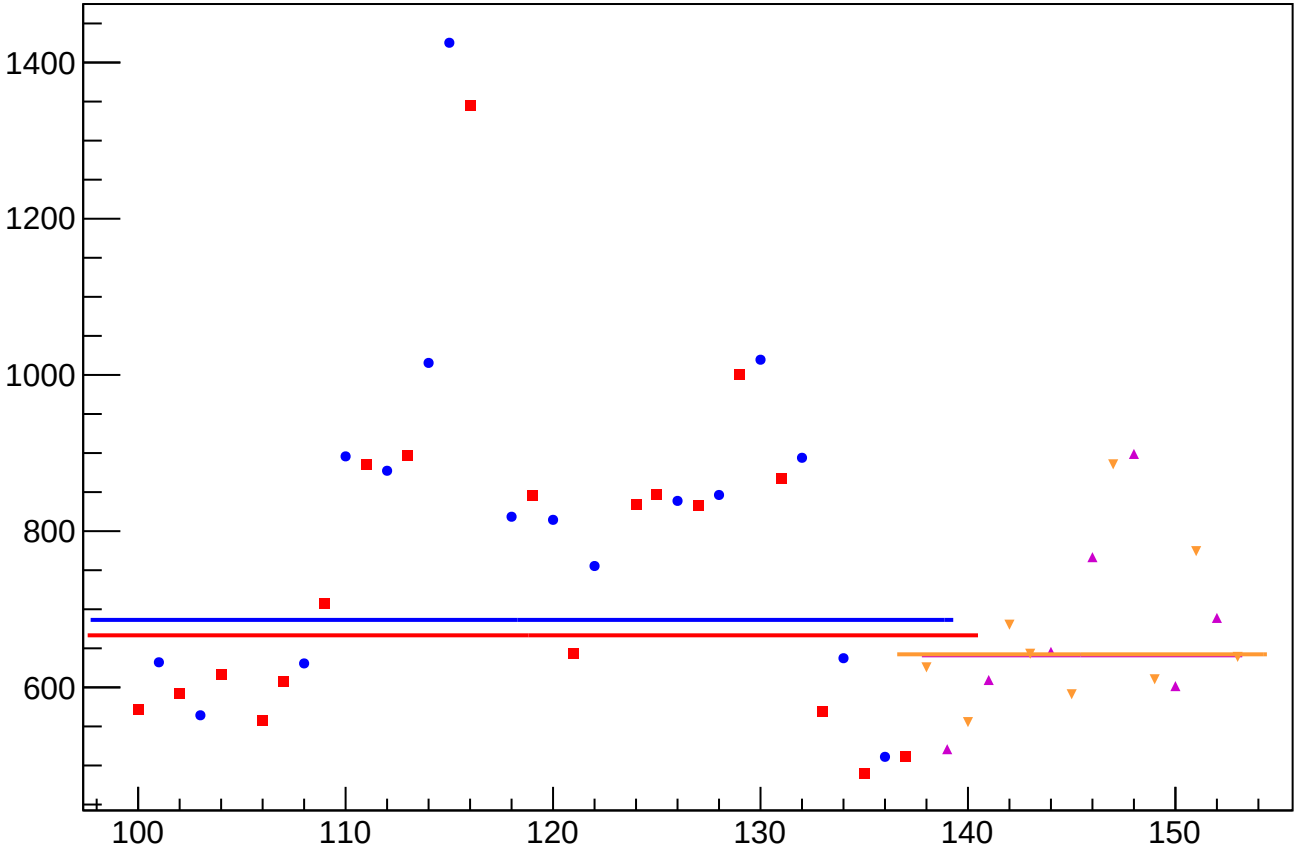
Right: 401.428+/-181.482 χ^2/NDF: 29.3/34

In: 309.103+/-185.988 χ^2/NDF:23.5/22

Out: 7.399+/-175.709 χ^2/NDF:30.5/27

All: 149.684+/-127.724 χ^2/NDF: 55.4/50

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 642.325+/-0.174 χ^2/NDF:230471.3/8

Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 641.026+/-0.186 χ^2/NDF:290540.0/6

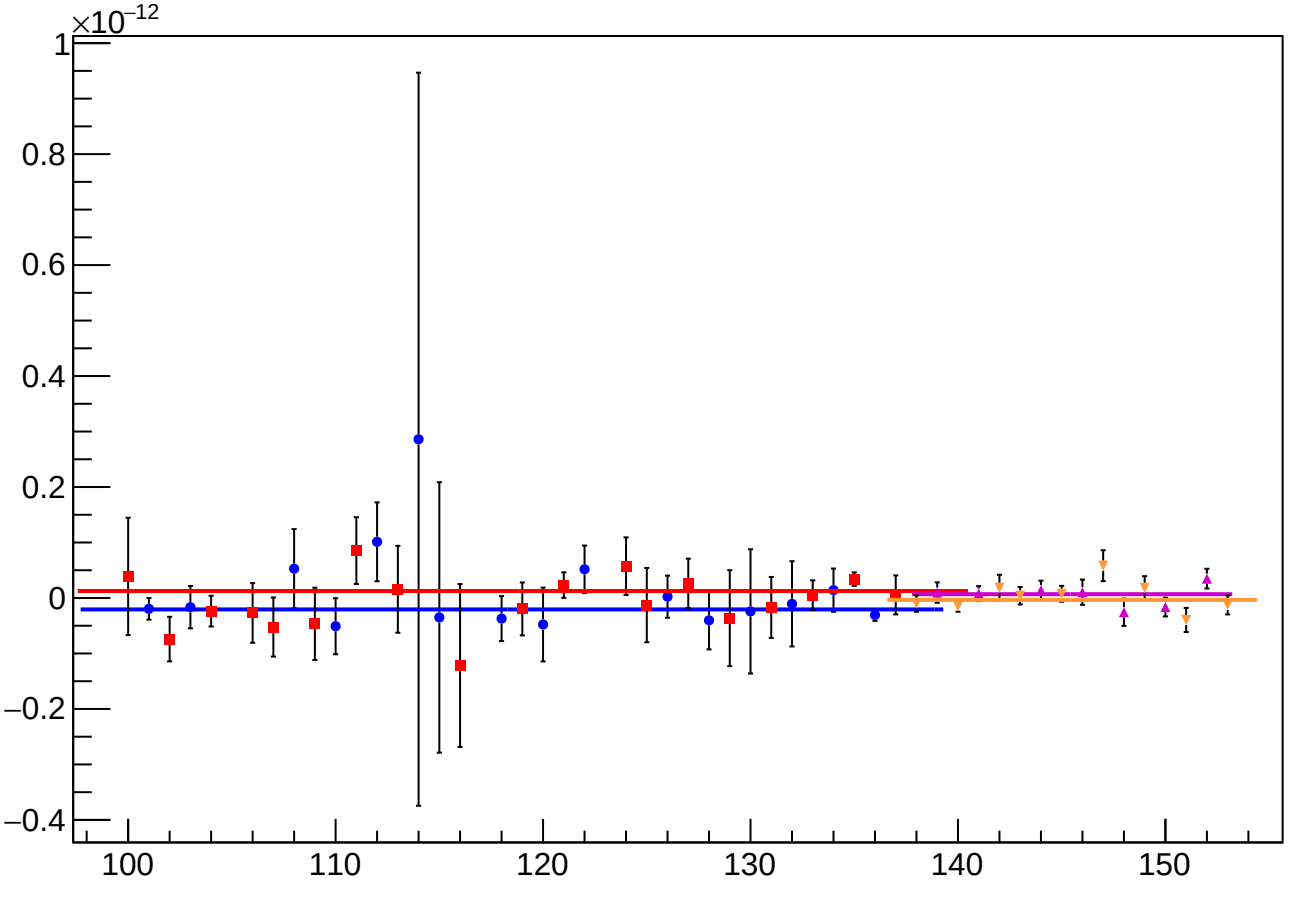
Left: 641.722+/-0.127 χ^2/NDF: 521037.3/15

Right: 676.091+/-0.128 χ^2/NDF: 1532404.9/34

In: 663.830+/-0.132 χ^2/NDF:1069744.8/22

Out: 654.207+/-0.124 χ^2/NDF:1017070.3/27

All: 658.745+/-0.090 χ^2/NDF: 2089644.5/50



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.2/8

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:6.3/6

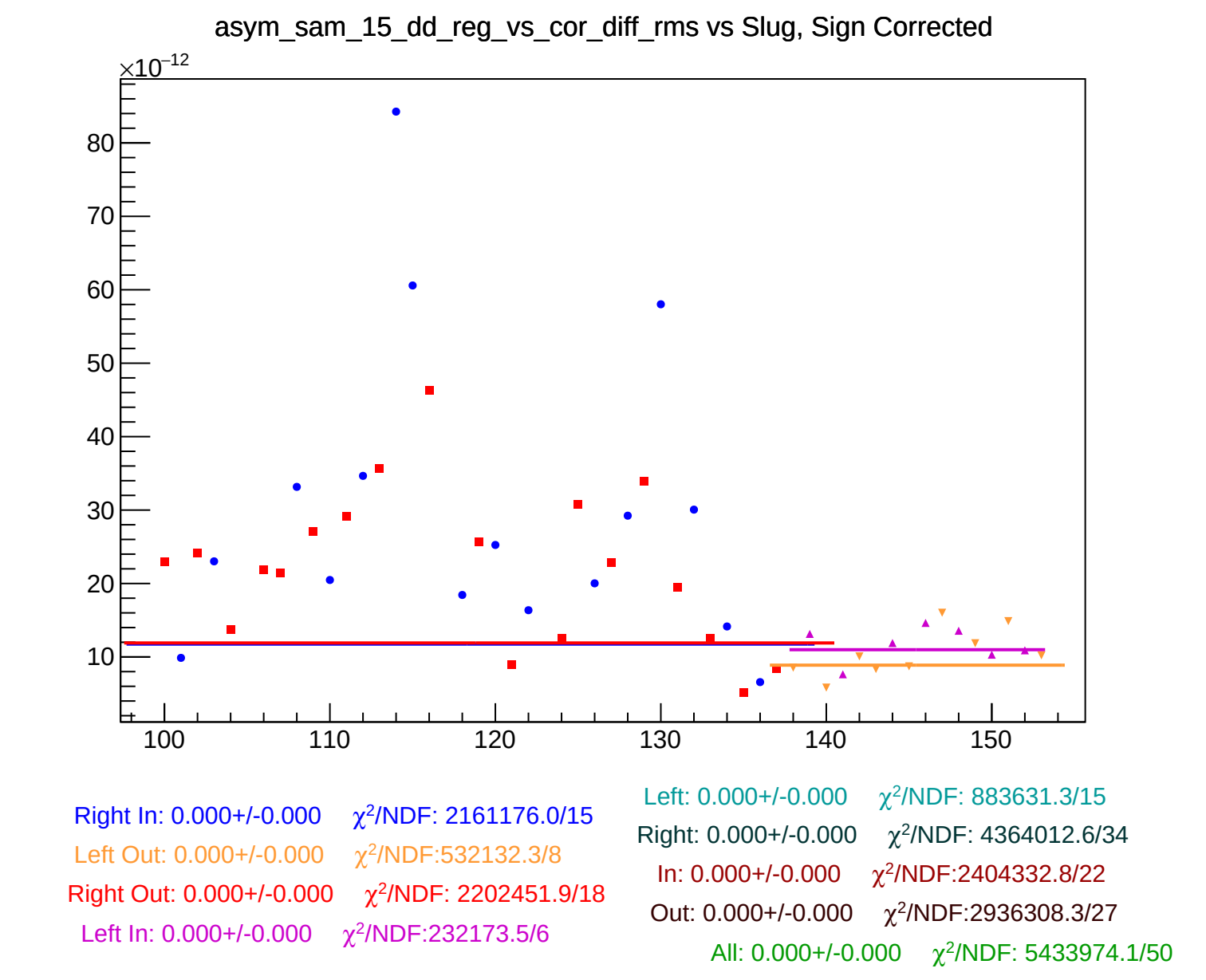
Left: 0.000+/-0.000 χ^2/NDF: 19.9/15

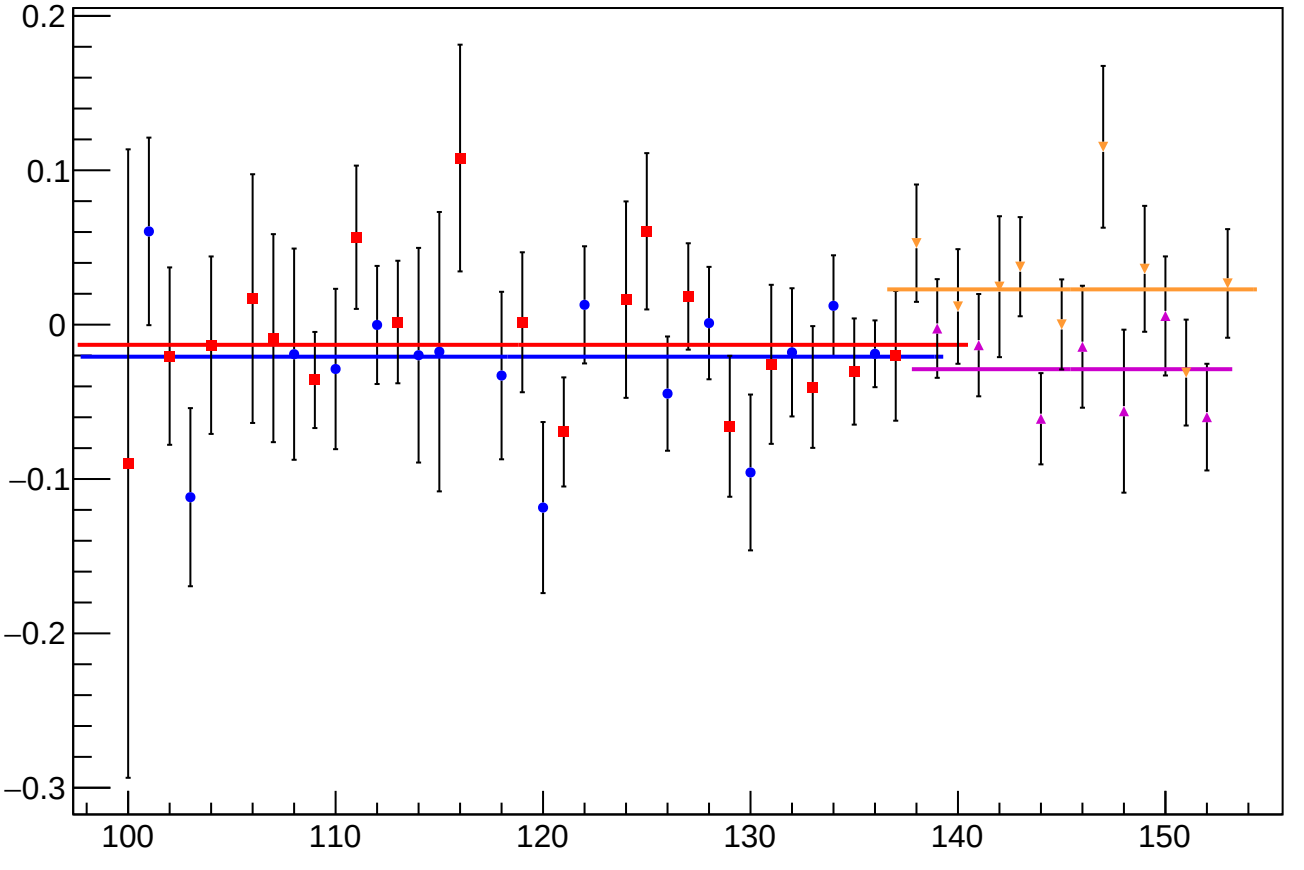
Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: -0.000+/-0.000 χ^2/NDF:23.4/22

Out: 0.000+/-0.000 χ^2/NDF:32.0/27

All: -0.000+/-0.000 χ^2/NDF: 56.4/50


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
Right In: 0.000+/-0.000 χ²/NDF: 2161176.0/15
Left Out: 0.000+/-0.000 χ²/NDF:532132.3/8
Right Out: 0.000+/-0.000 χ²/NDF: 2202451.9/18
Left In: 0.000+/-0.000 χ²/NDF:232173.5/6
Left: 0.000+/-0.000 χ²/NDF: 883631.3/15
Right: 0.000+/-0.000 χ²/NDF: 4364012.6/34
In: 0.000+/-0.000 χ²/NDF:2404332.8/22
Out: 0.000+/-0.000 χ²/NDF:2936308.3/27
All: 0.000+/-0.000 χ²/NDF: 5433974.1/50



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.023+/-0.012 χ^2/NDF:7.2/8

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.029+/-0.013 χ^2/NDF:4.1/6

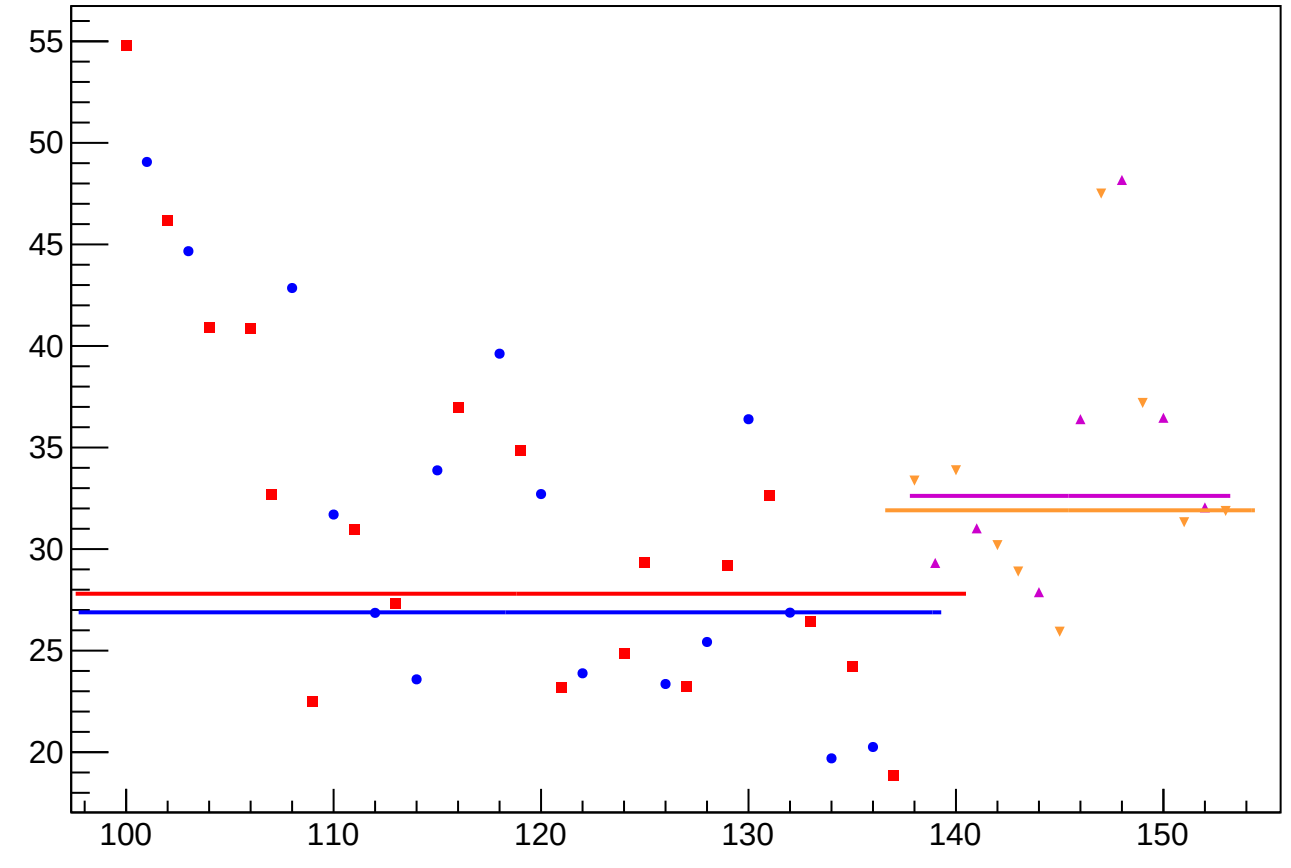
Left: -0.001+/-0.009 χ^2/NDF: 19.4/15

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.024+/-0.008 χ^2/NDF:16.9/22

Out: 0.002+/-0.008 χ^2/NDF:26.1/27

All: -0.010+/-0.006 χ^2/NDF: 48.0/50



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 31.909+/-0.009 χ^2/NDF:324271.9/8

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 32.620+/-0.009 χ^2/NDF:289757.6/6

Left: 32.232+/-0.006 χ^2/NDF: 617082.9/15

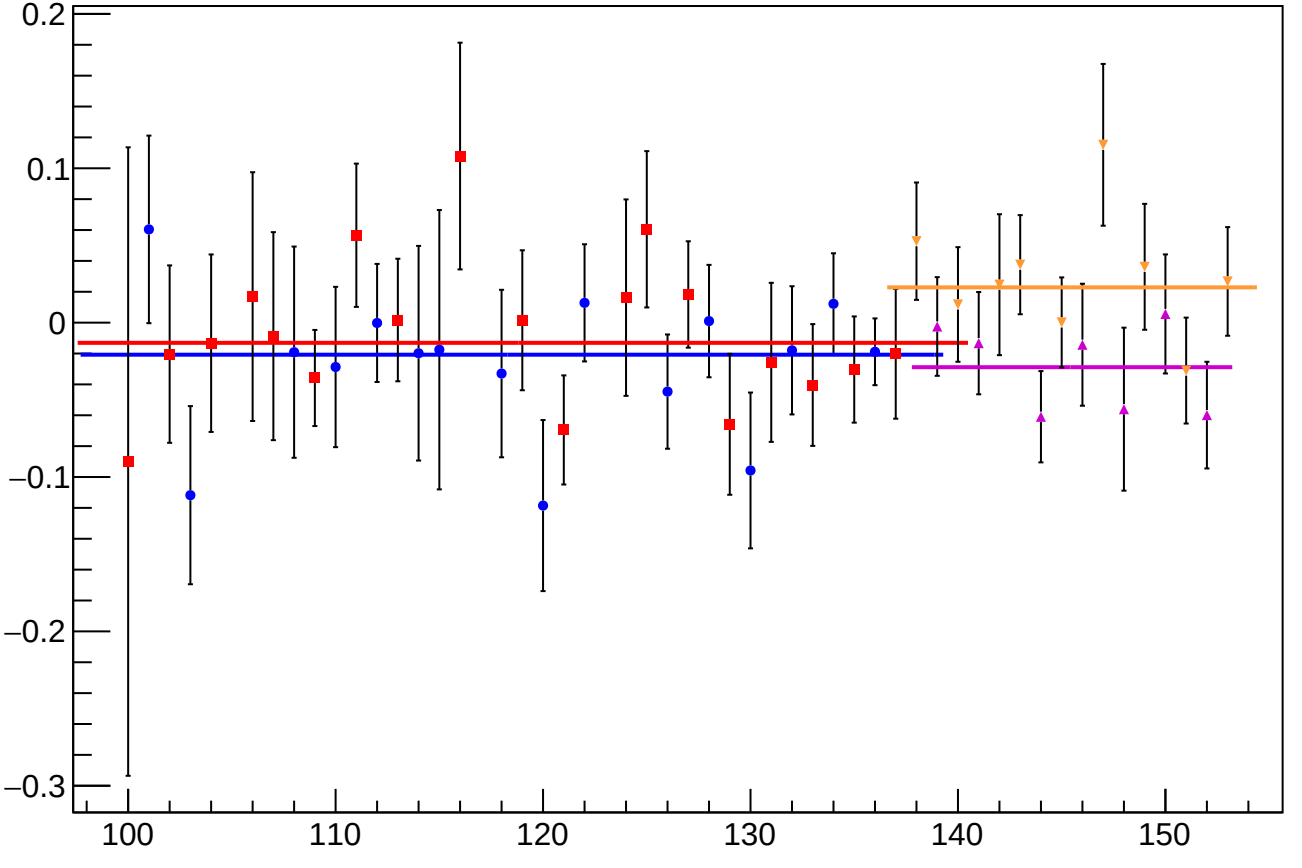
Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 29.063+/-0.006 χ^2/NDF:1636381.7/22

Out: 29.550+/-0.006 χ^2/NDF:1216584.5/27

All: 29.315+/-0.004 χ^2/NDF: 2856541.6/50

asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.023+/-0.012 χ^2/NDF:7.2/8

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.029+/-0.013 χ^2/NDF:4.1/6

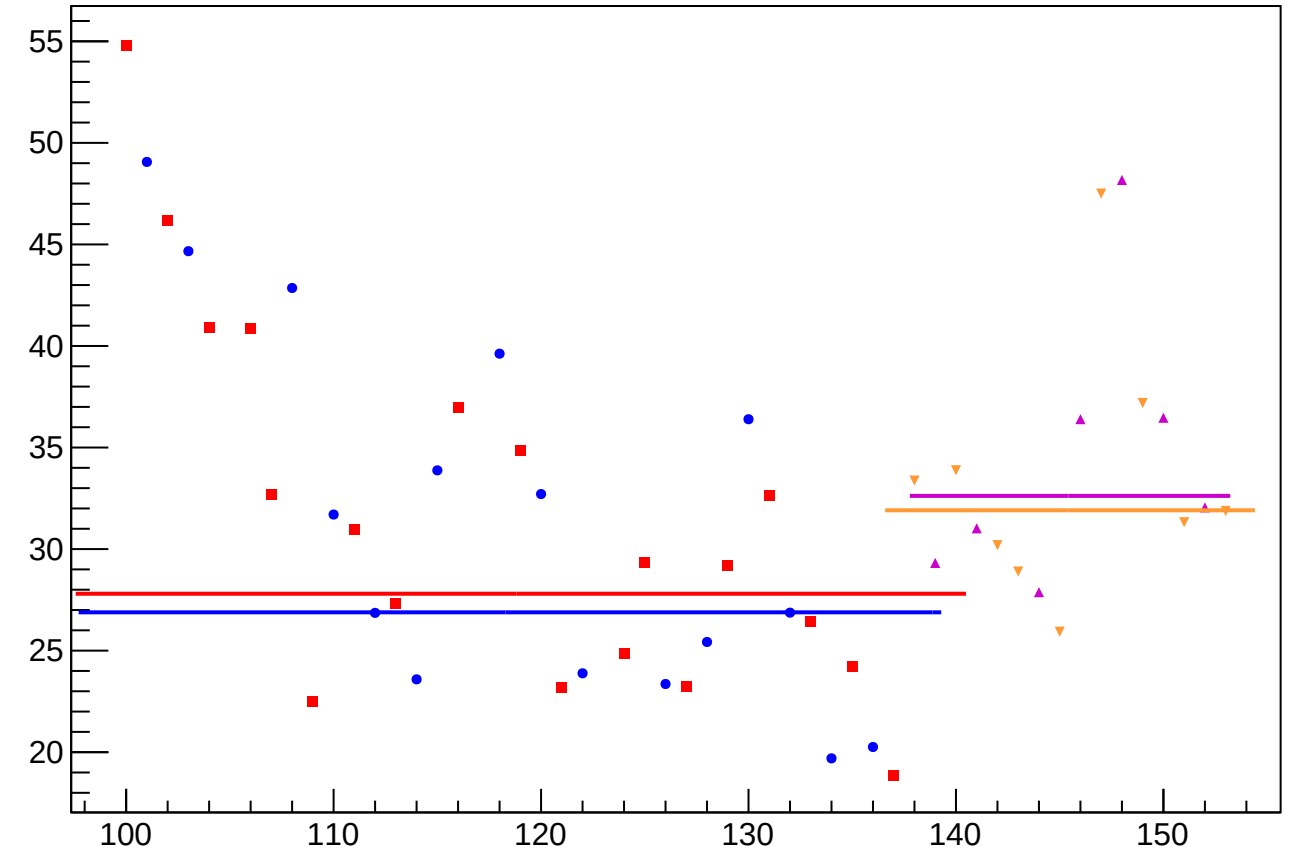
Left: -0.001+/-0.009 χ^2/NDF: 19.4/15

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.024+/-0.008 χ^2/NDF:16.9/22

Out: 0.002+/-0.008 χ^2/NDF:26.1/27

All: -0.010+/-0.006 χ^2/NDF: 48.0/50



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 31.909+/-0.009 χ^2/NDF:324271.9/8

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 32.620+/-0.009 χ^2/NDF:289757.6/6

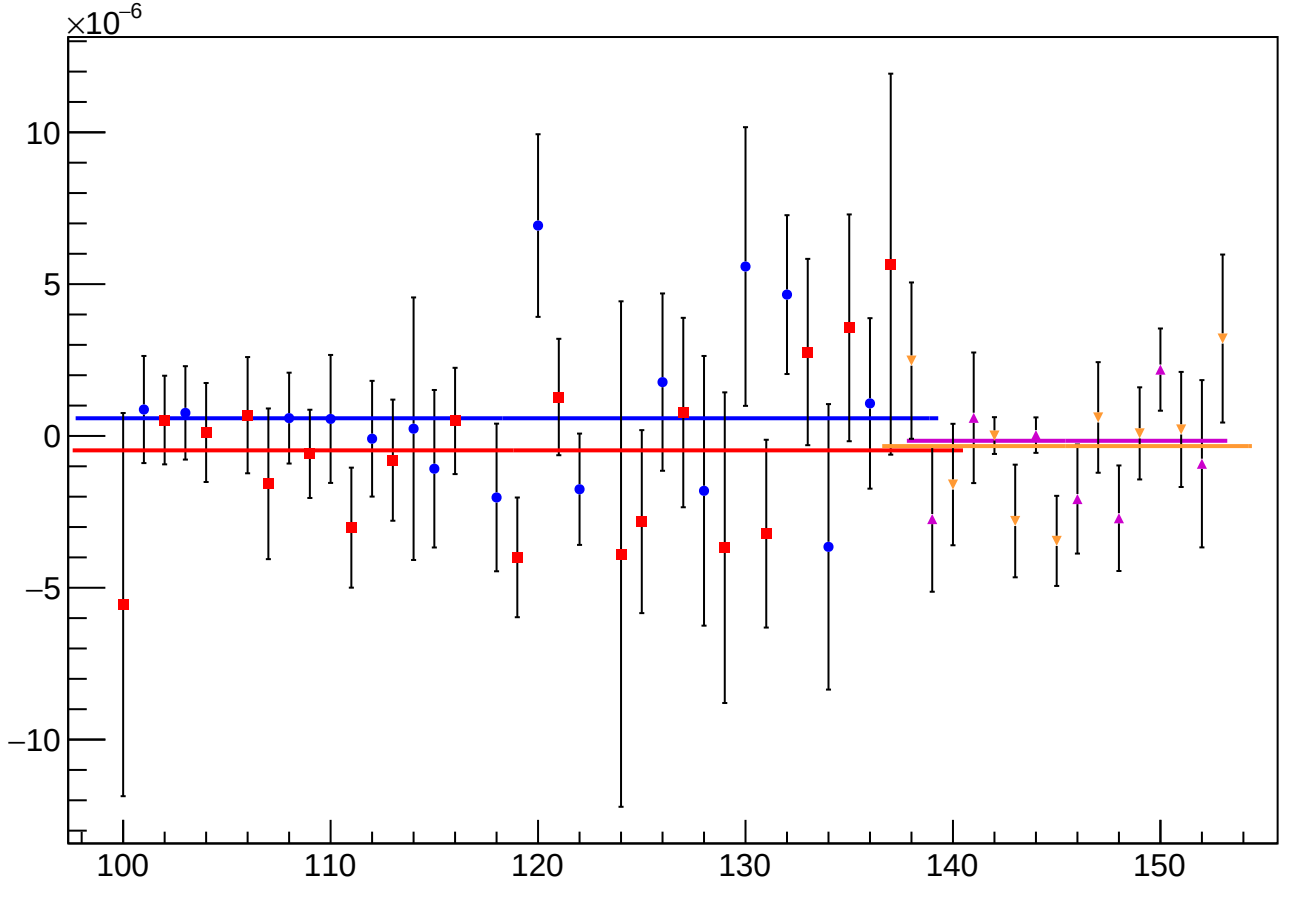
Left: 32.232+/-0.006 χ^2/NDF: 617082.9/15

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 29.063+/-0.006 χ^2/NDF:1636381.7/22

Out: 29.550+/-0.006 χ^2/NDF:1216584.5/27

All: 29.315+/-0.004 χ^2/NDF: 2856541.6/50



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.2/8

Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/18

Left In: -0.000+/-0.000 χ^2/NDF:7.8/6

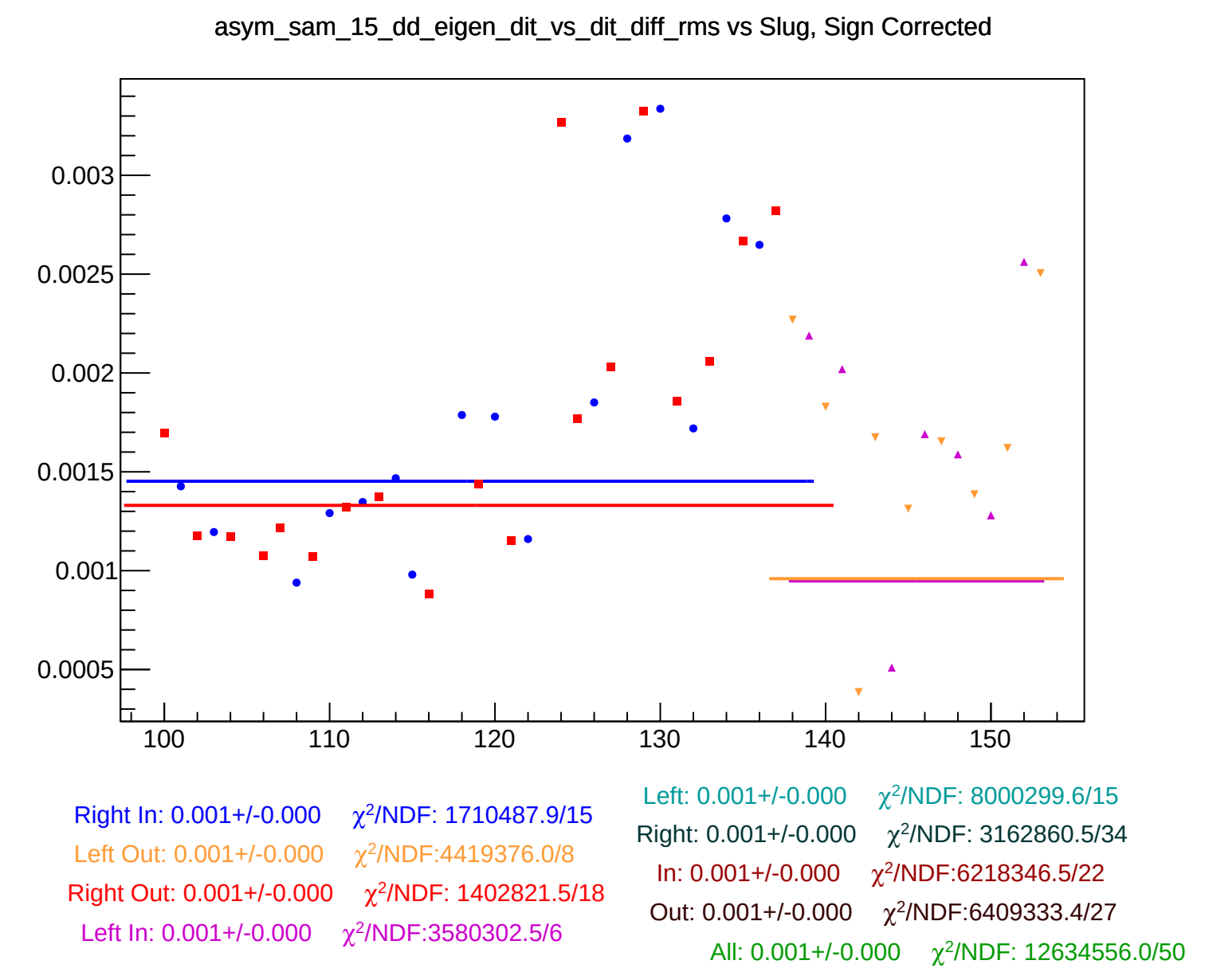
Left: -0.000+/-0.000 χ^2/NDF: 18.0/15

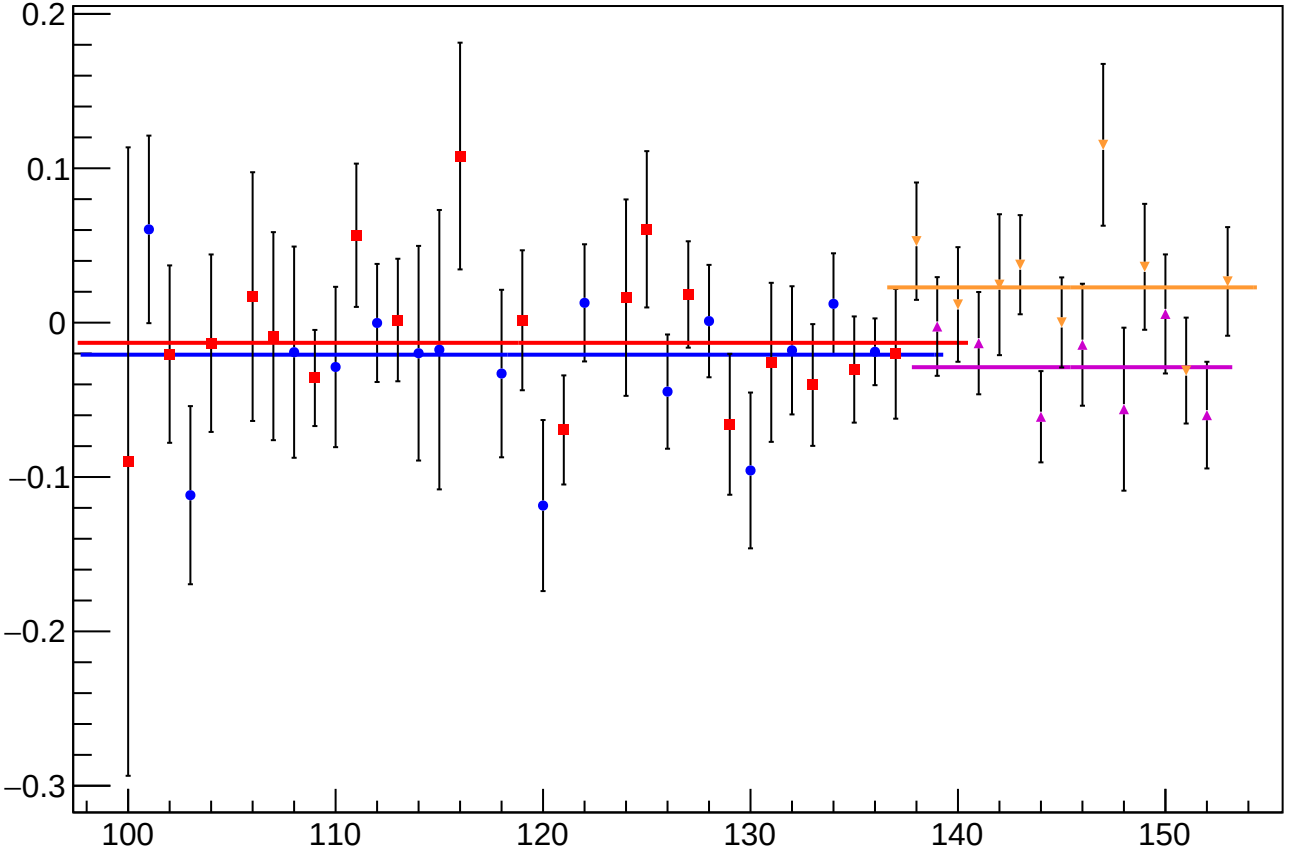
Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: 0.000+/-0.000 χ^2/NDF:21.5/22

Out: -0.000+/-0.000 χ^2/NDF:23.4/27

All: -0.000+/-0.000 χ^2/NDF: 46.0/50


asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
Right In: 0.001+/-0.000 χ²/NDF: 1710487.9/15
Left Out: 0.001+/-0.000 χ²/NDF:4419376.0/8
Right Out: 0.001+/-0.000 χ²/NDF: 1402821.5/18
Left In: 0.001+/-0.000 χ²/NDF:3580302.5/6
Left: 0.001+/-0.000 χ²/NDF: 8000299.6/15
Right: 0.001+/-0.000 χ²/NDF: 3162860.5/34
In: 0.001+/-0.000 χ²/NDF:6218346.5/22
Out: 0.001+/-0.000 χ²/NDF:6409333.4/27
All: 0.001+/-0.000 χ²/NDF: 12634556.0/50



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.023+/-0.012 χ^2/NDF:7.2/8

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.029+/-0.013 χ^2/NDF:4.1/6

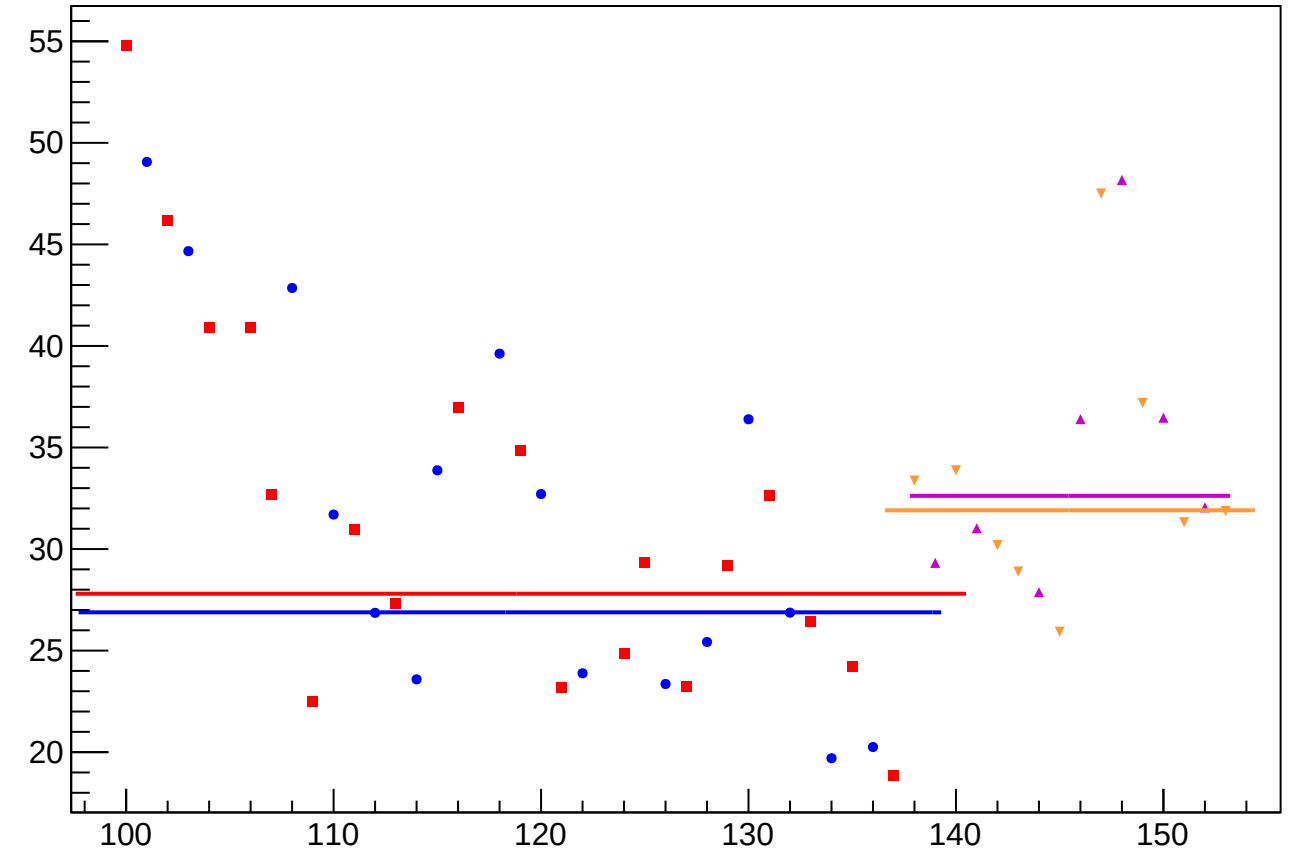
Left: -0.001+/-0.009 χ^2/NDF: 19.4/15

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.024+/-0.008 χ^2/NDF:16.9/22

Out: 0.002+/-0.008 χ^2/NDF:26.1/27

All: -0.010+/-0.006 χ^2/NDF: 48.0/50



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 31.909+/-0.009 χ^2/NDF:324323.9/8

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 32.620+/-0.009 χ^2/NDF:289765.2/6

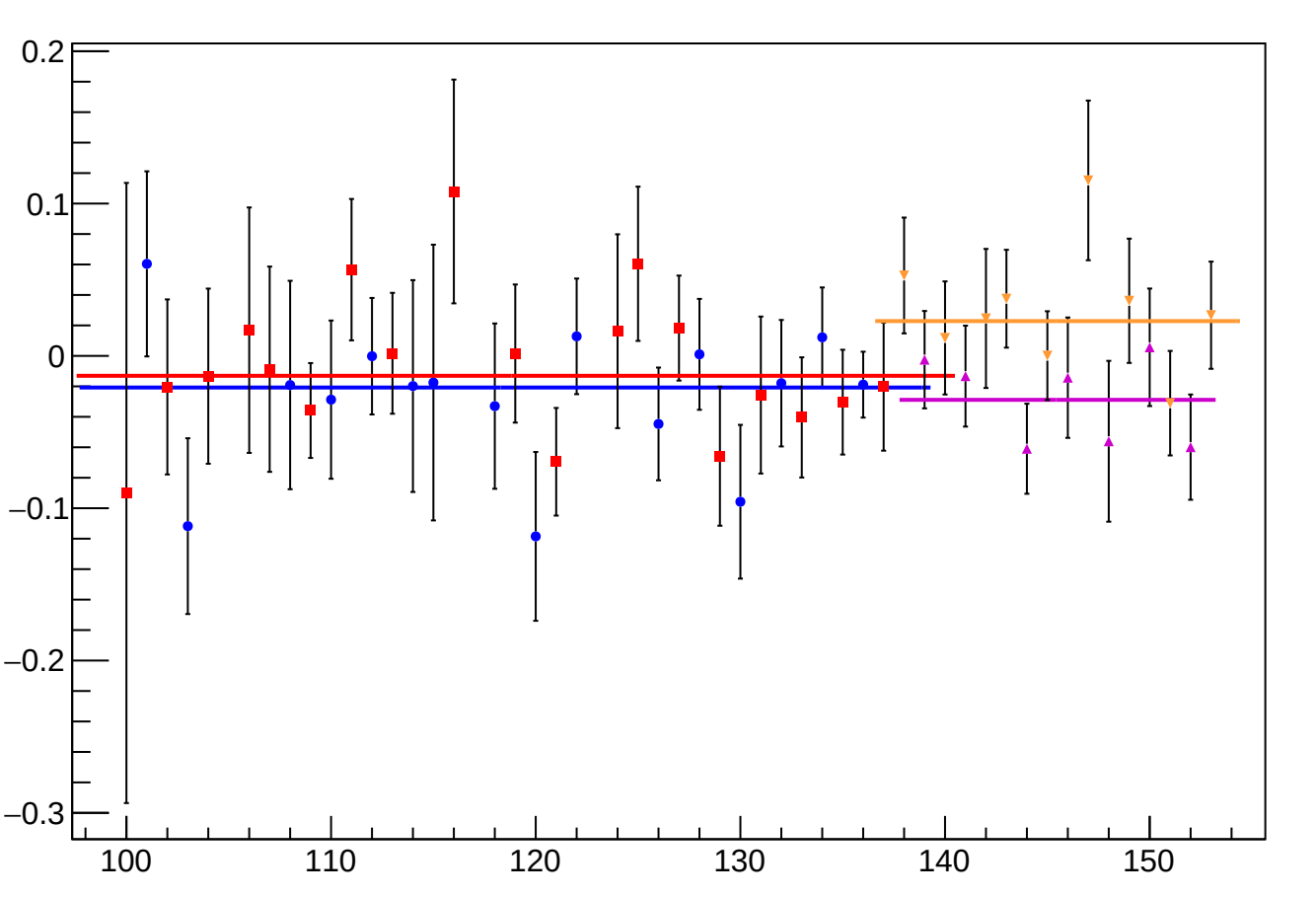
Left: 32.232+/-0.006 χ^2/NDF: 617145.7/15

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

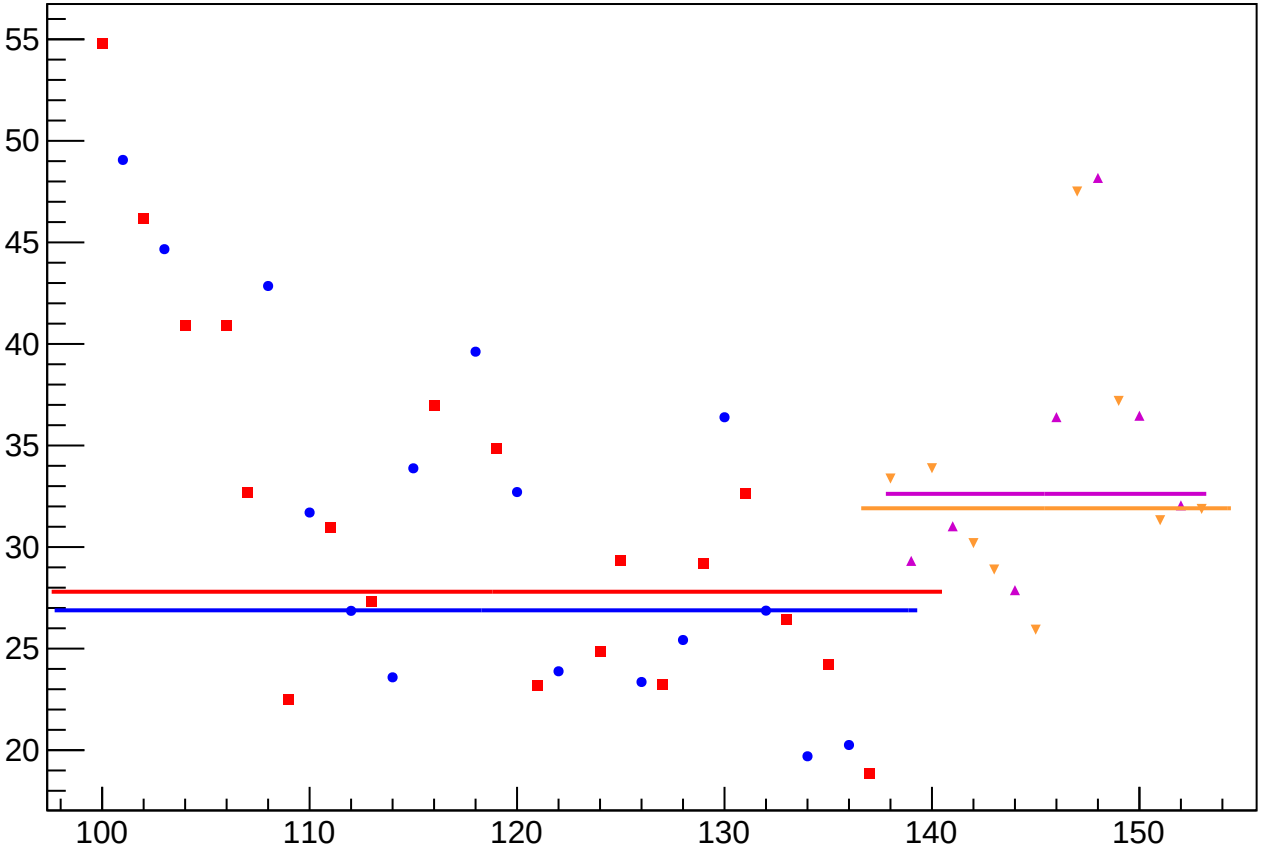
In: 29.063+/-0.006 χ^2/NDF:1636513.0/22

Out: 29.549+/-0.006 χ^2/NDF:1216843.8/27

All: 29.314+/-0.004 χ^2/NDF: 2856927.4/50


asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
Right In: -0.021+/-0.011 χ²/NDF: 12.5/15
Left Out: 0.023+/-0.012 χ²/NDF:7.2/8
Right Out: -0.013+/-0.011 χ²/NDF: 13.9/18
Left In: -0.029+/-0.013 χ²/NDF:4.1/6
Left: -0.001+/-0.009 χ²/NDF: 19.4/15
Right: -0.017+/-0.007 χ²/NDF: 26.7/34
In: -0.024+/-0.008 χ²/NDF:16.9/22
Out: 0.002+/-0.008 χ²/NDF:26.1/27
All: -0.010+/-0.006 χ²/NDF: 48.0/50

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: 31.909+/-0.009 χ^2/NDF:324323.9/8

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 32.620+/-0.009 χ^2/NDF:289765.2/6

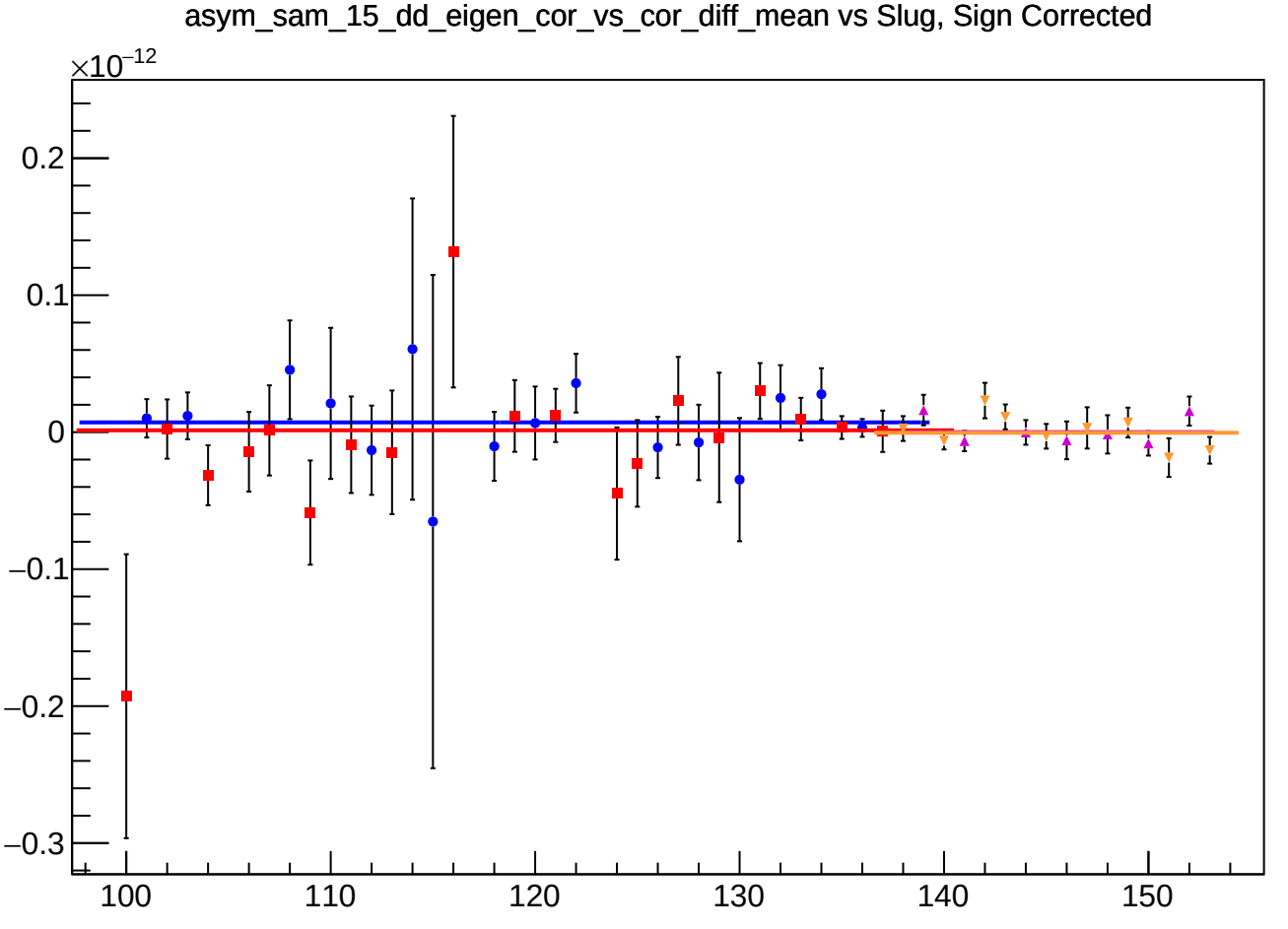
Left: 32.232+/-0.006 χ^2/NDF: 617145.7/15

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 29.063+/-0.006 χ^2/NDF:1636513.0/22

Out: 29.549+/-0.006 χ^2/NDF:1216843.8/27

All: 29.314+/-0.004 χ^2/NDF: 2856927.4/50



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.9/8

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:6.0/6

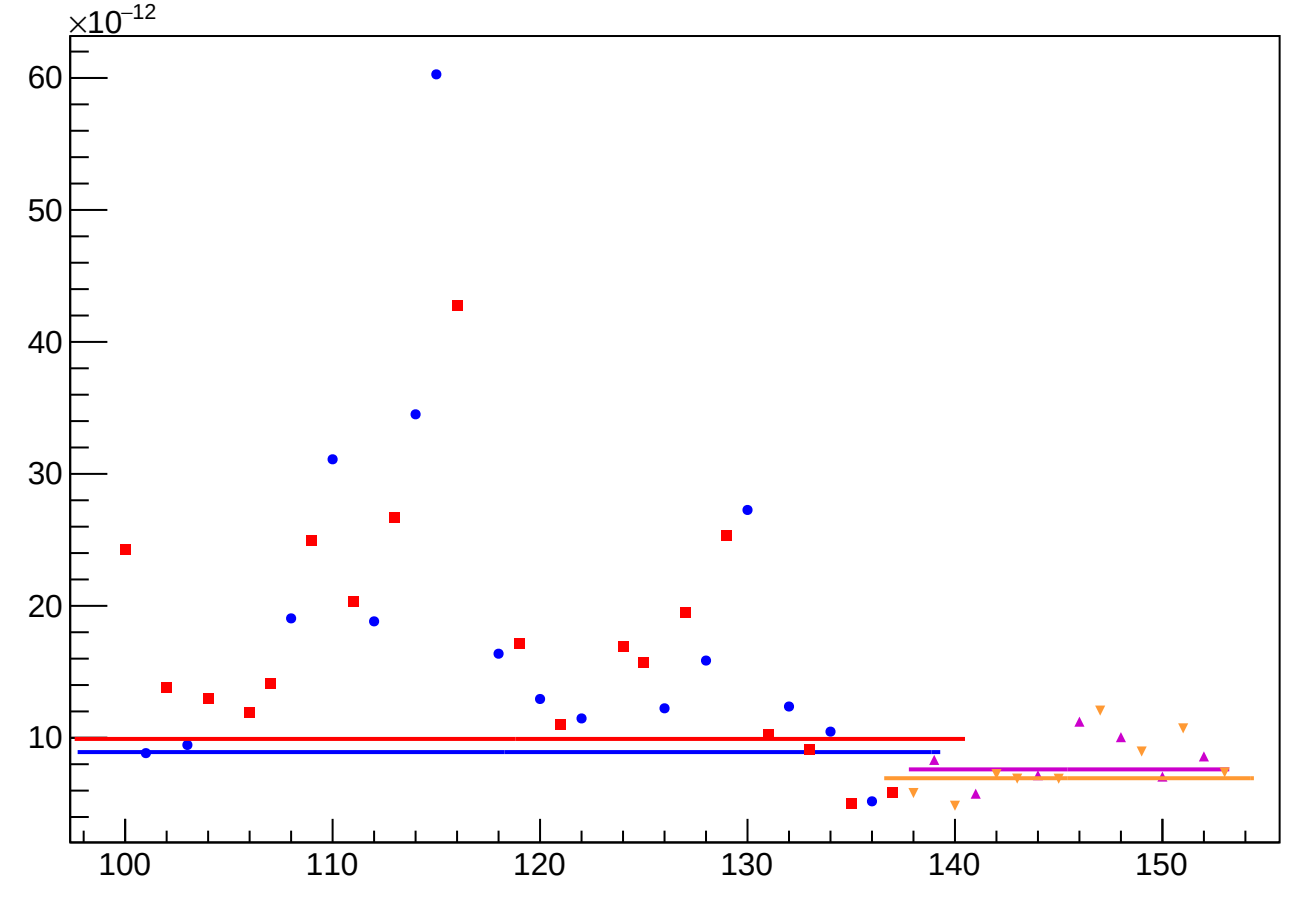
Left: -0.000+/-0.000 χ^2/NDF: 15.9/15

Right: 0.000+/-0.000 χ^2/NDF: 24.3/34

In: 0.000+/-0.000 χ^2/NDF:15.8/22

Out: 0.000+/-0.000 χ^2/NDF:25.2/27

All: 0.000+/-0.000 χ^2/NDF: 41.5/50



Right In: 0.000+/-0.000 χ^2/NDF: 2402804.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:691431.0/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2669812.1/18

Left In: 0.000+/-0.000 χ^2/NDF:360556.0/6

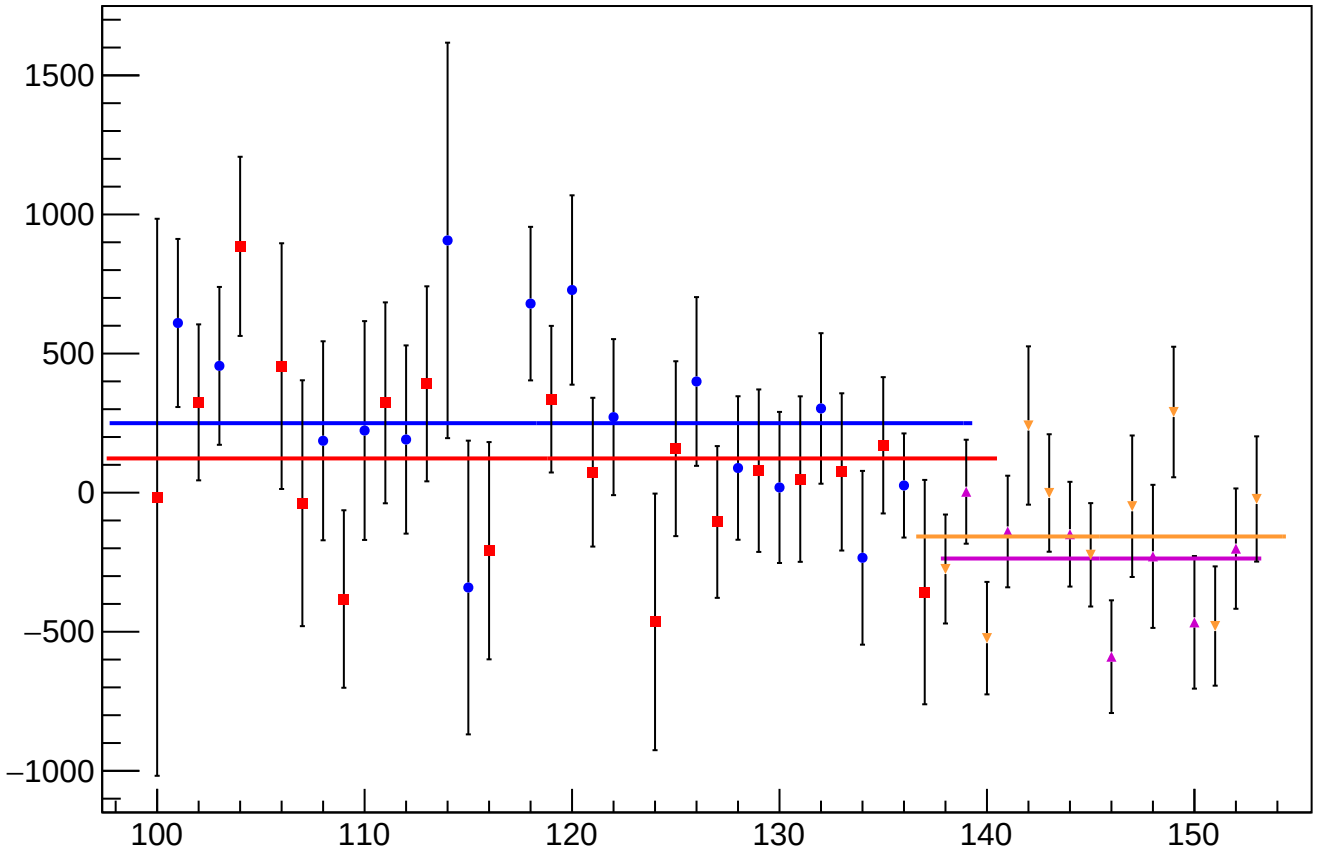
Left: 0.000+/-0.000 χ^2/NDF: 1088423.2/15

Right: 0.000+/-0.000 χ^2/NDF: 5116378.6/34

In: 0.000+/-0.000 χ^2/NDF:2861247.3/22

Out: 0.000+/-0.000 χ^2/NDF:3868362.5/27

All: 0.000+/-0.000 χ^2/NDF: 6741442.0/50



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -157.566+/-72.665 χ^2/NDF:12.7/8

Right Out: 122.993+/-74.370 χ^2/NDF: 15.6/18

Left In: -236.782+/-79.011 χ^2/NDF:6.1/6

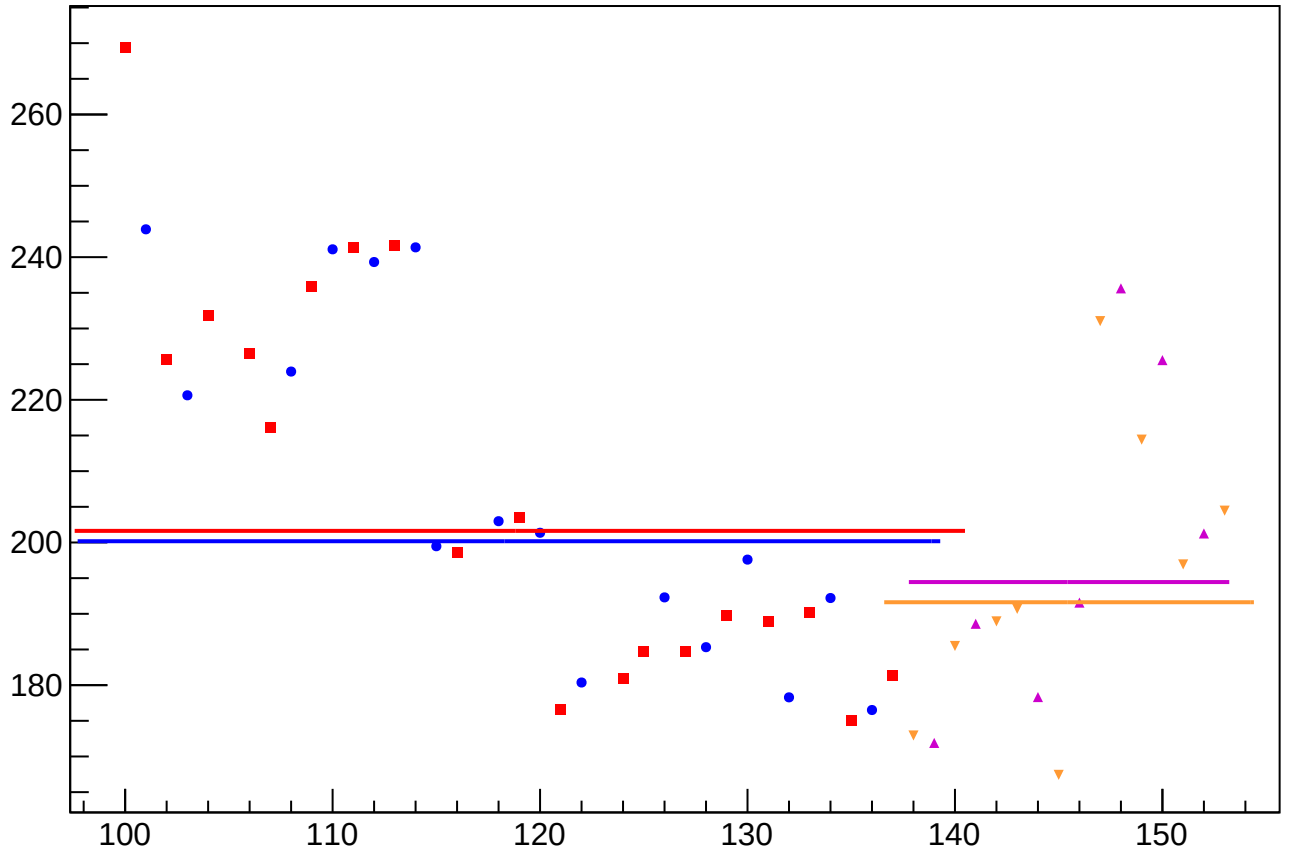
Left: -193.866+/-53.485 χ^2/NDF: 19.3/15

Right: 185.946+/-52.766 χ^2/NDF: 30.8/34

In: 19.549+/-54.349 χ^2/NDF:39.8/22

Out: -20.540+/-51.974 χ^2/NDF:35.5/27

All: -1.390+/-37.563 χ^2/NDF: 75.6/50



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 191.623+/-0.051 χ^2/NDF:128789.9/8

Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 194.452+/-0.056 χ^2/NDF:133251.4/6

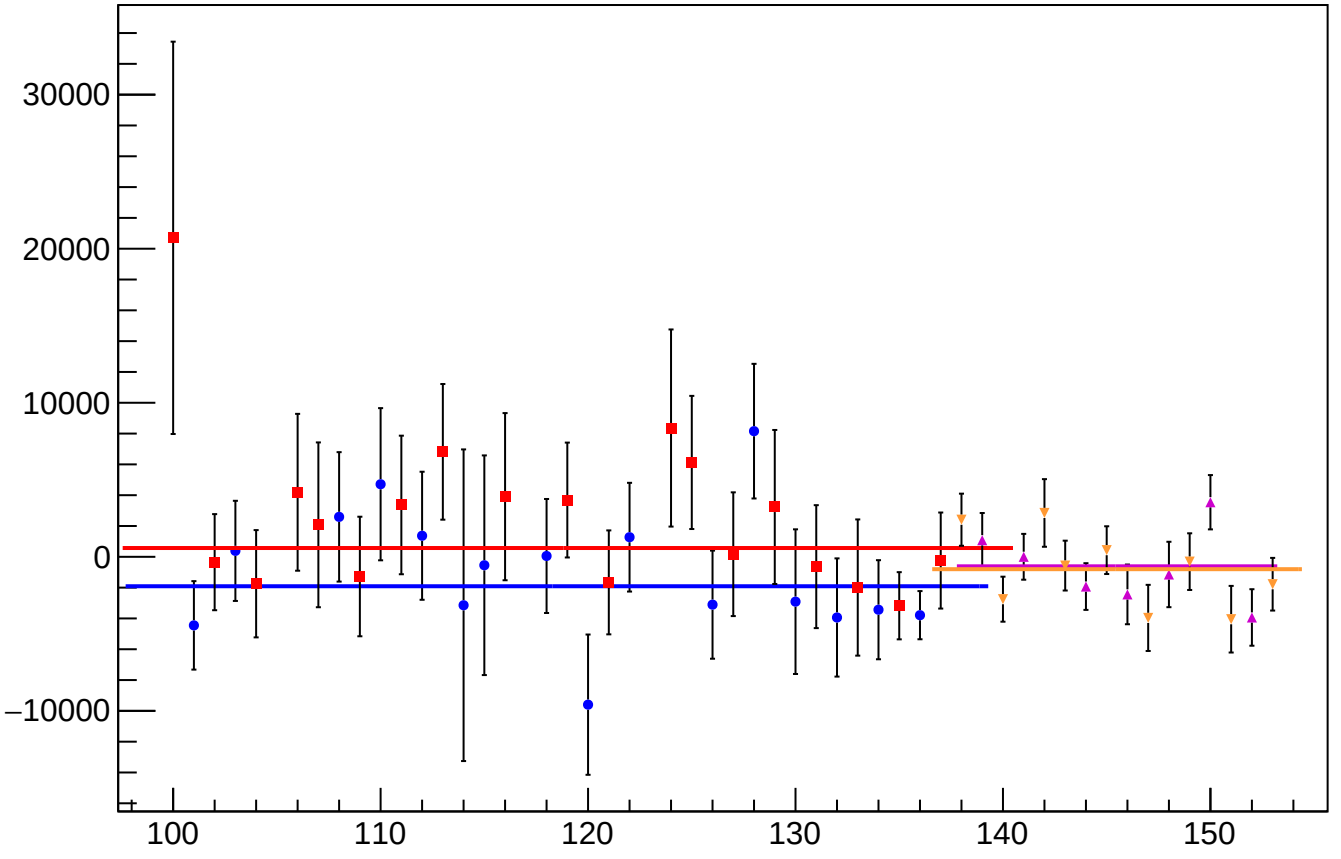
Left: 192.920+/-0.038 χ^2/NDF: 263430.3/15

Right: 200.907+/-0.037 χ^2/NDF: 378624.7/34

In: 197.468+/-0.038 χ^2/NDF:319784.3/22

Out: 196.509+/-0.037 χ^2/NDF:344549.4/27

All: 196.967+/-0.027 χ^2/NDF: 664658.9/50



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: -802.661+/-587.955 χ^2/NDF:13.6/8

Right Out: 570.946+/-900.451 χ^2/NDF: 14.6/18

Left In: -617.385+/-657.200 χ^2/NDF:11.6/6

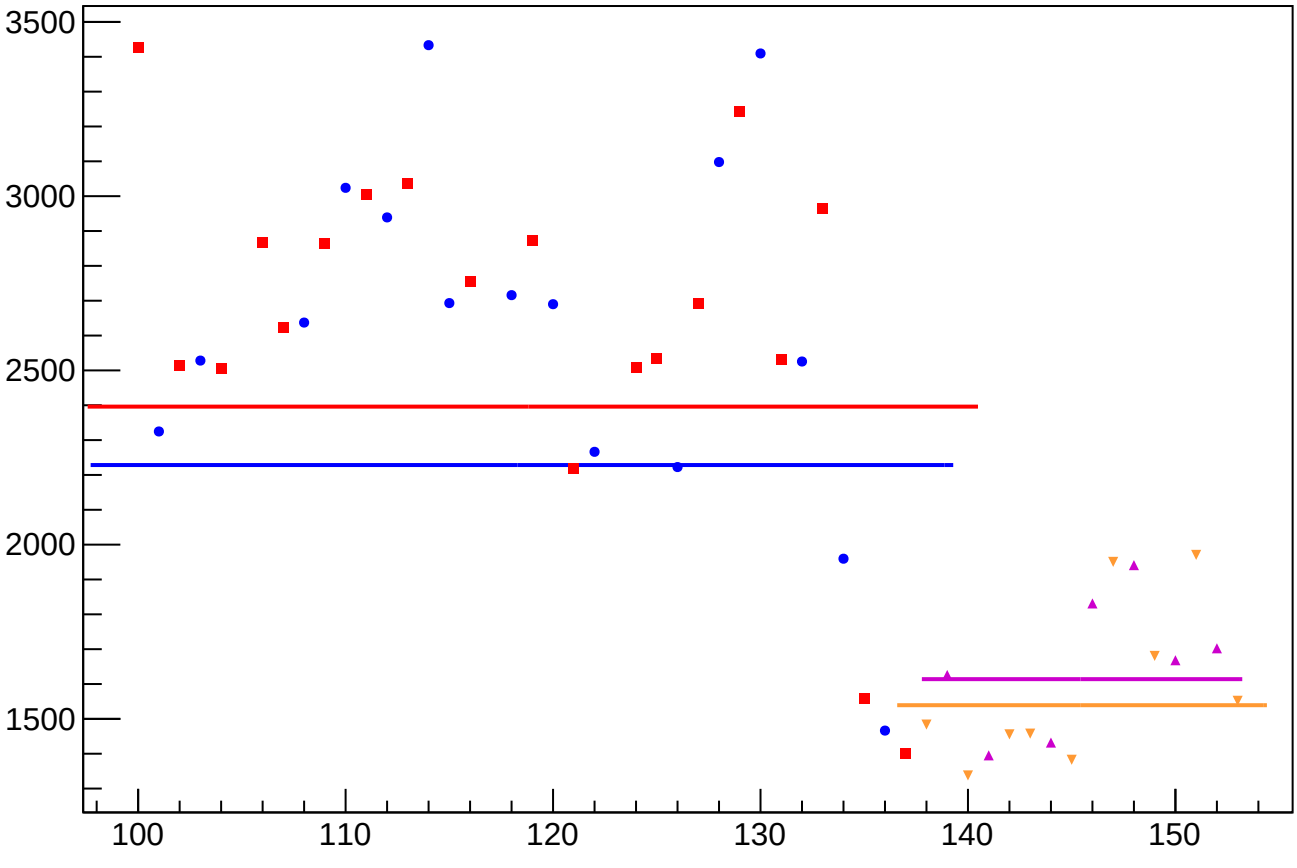
Left: -720.295+/-438.190 χ^2/NDF: 25.3/15

Right: -728.000+/-621.575 χ^2/NDF: 34.9/34

In: -1094.713+/-521.979 χ^2/NDF:29.3/22

Out: -392.075+/-492.301 χ^2/NDF:29.9/27

All: -722.853+/-358.142 χ^2/NDF: 60.2/50



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1539.233+/-0.416 χ^2/NDF:233592.0/8

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

Left In: 1613.992+/-0.465 χ^2/NDF:151412.6/6

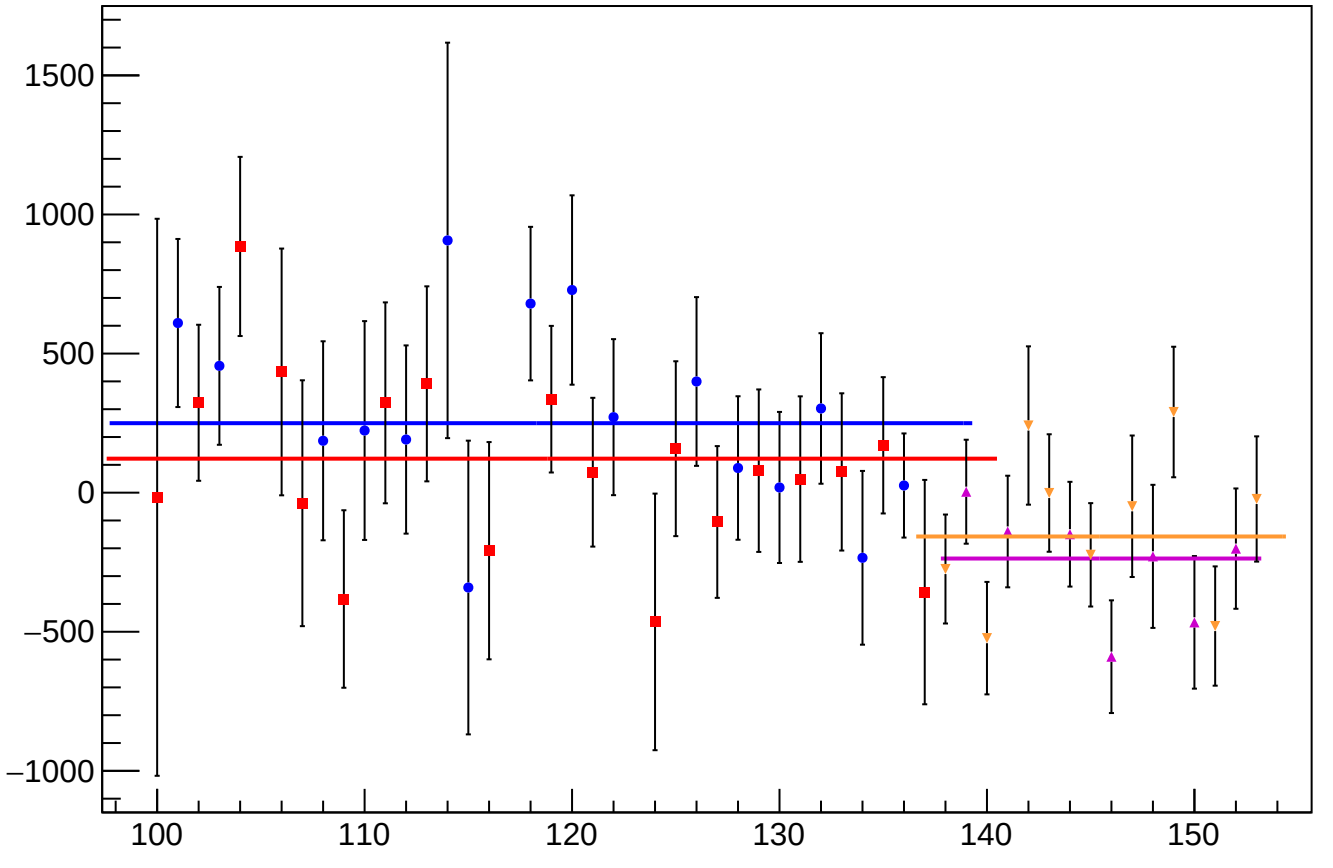
Left: 1572.468+/-0.310 χ^2/NDF: 399379.4/15

Right: 2308.317+/-0.440 χ^2/NDF: 1783390.1/34

In: 1840.827+/-0.369 χ^2/NDF:1744458.8/22

Out: 1795.353+/-0.348 χ^2/NDF:2302700.7/27

All: 1816.761+/-0.253 χ^2/NDF: 4055192.6/50



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -157.567+/-72.665 χ^2/NDF:12.7/8

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -236.777+/-79.011 χ^2/NDF:6.1/6

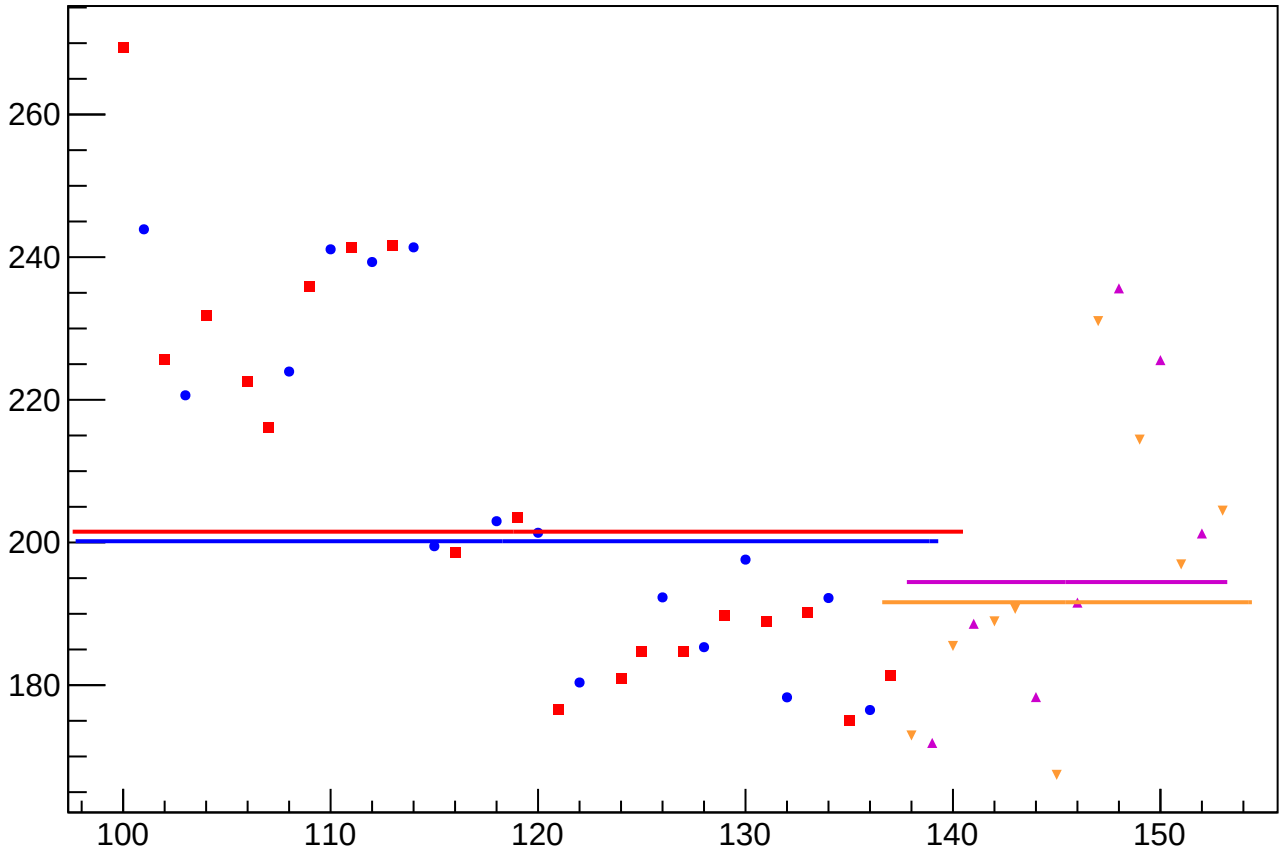
Left: -193.864+/-53.485 χ^2/NDF: 19.3/15

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: 19.553+/-54.349 χ^2/NDF:39.8/22

Out: -20.942+/-51.978 χ^2/NDF:35.4/27

All: -1.597+/-37.564 χ^2/NDF: 75.5/50



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 191.623+/-0.051 χ^2/NDF:128789.9/8

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 194.452+/-0.056 χ^2/NDF:133251.4/6

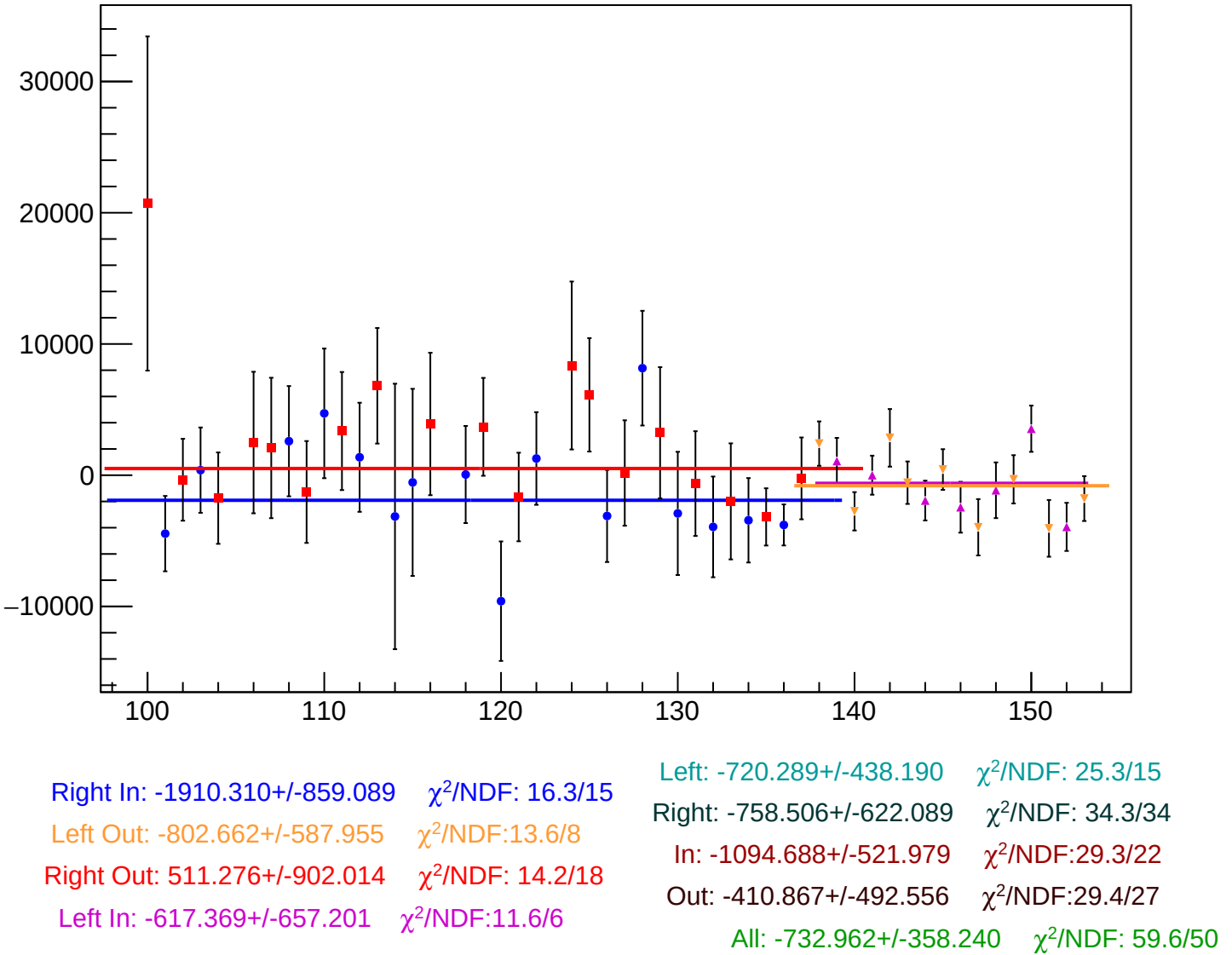
Left: 192.920+/-0.038 χ^2/NDF: 263430.3/15

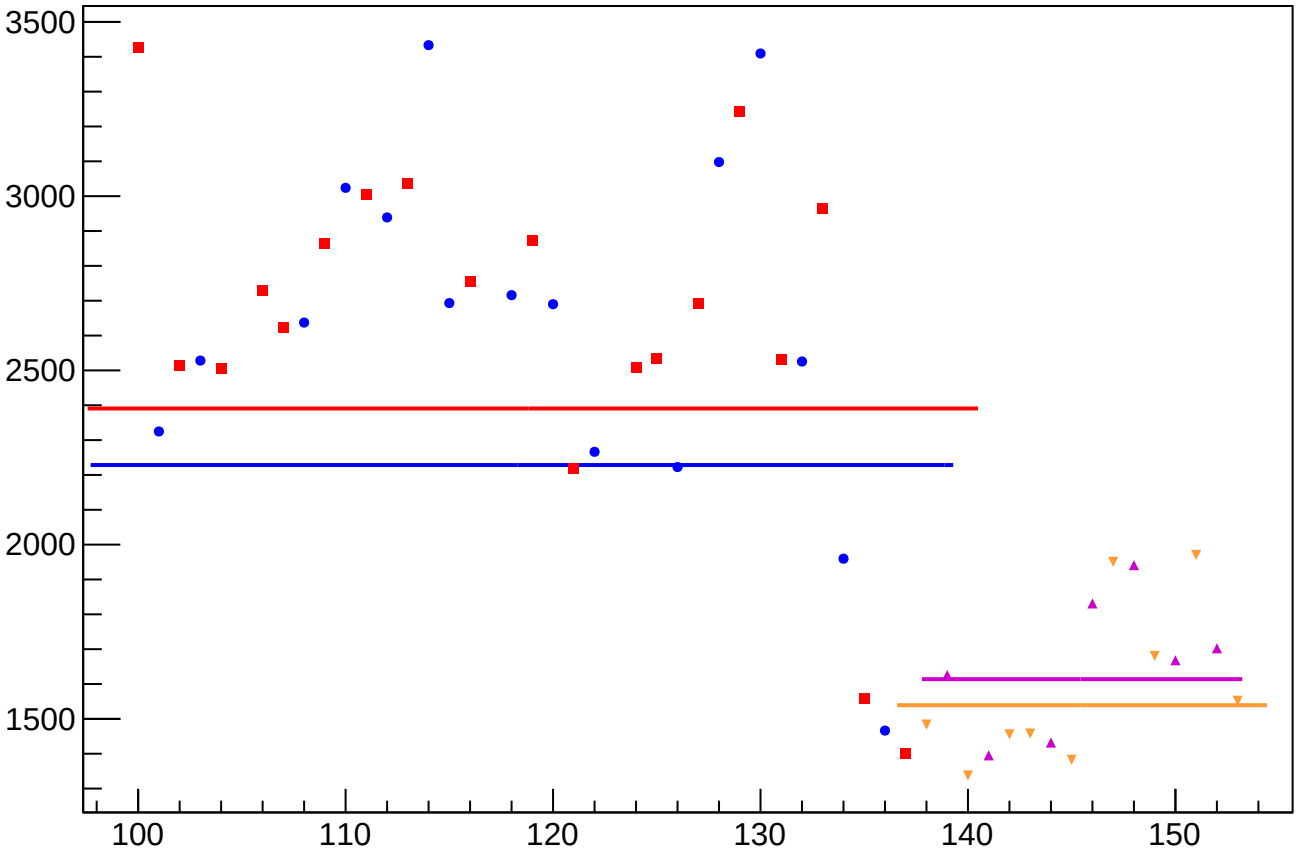
Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 197.468+/-0.038 χ^2/NDF:319784.6/22

Out: 196.453+/-0.037 χ^2/NDF:342317.2/27

All: 196.938+/-0.027 χ^2/NDF: 662466.0/50


asym_sam_26_dd_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
110
120
130
140
150
Right In: -1910.310+/-859.089 χ²/NDF: 16.3/15
Left Out: -802.662+/-587.955 χ²/NDF:13.6/8
Right Out: 511.276+/-902.014 χ²/NDF: 14.2/18
Left In: -617.369+/-657.201 χ²/NDF:11.6/6
Left: -720.289+/-438.190 χ²/NDF: 25.3/15
Right: -758.506+/-622.089 χ²/NDF: 34.3/34
In: -1094.688+/-521.979 χ²/NDF:29.3/22
Out: -410.867+/-492.556 χ²/NDF:29.4/27
All: -732.962+/-358.240 χ²/NDF: 59.6/50



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1539.232+/-0.416 χ^2/NDF:233592.2/8

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1613.992+/-0.465 χ^2/NDF:151413.4/6

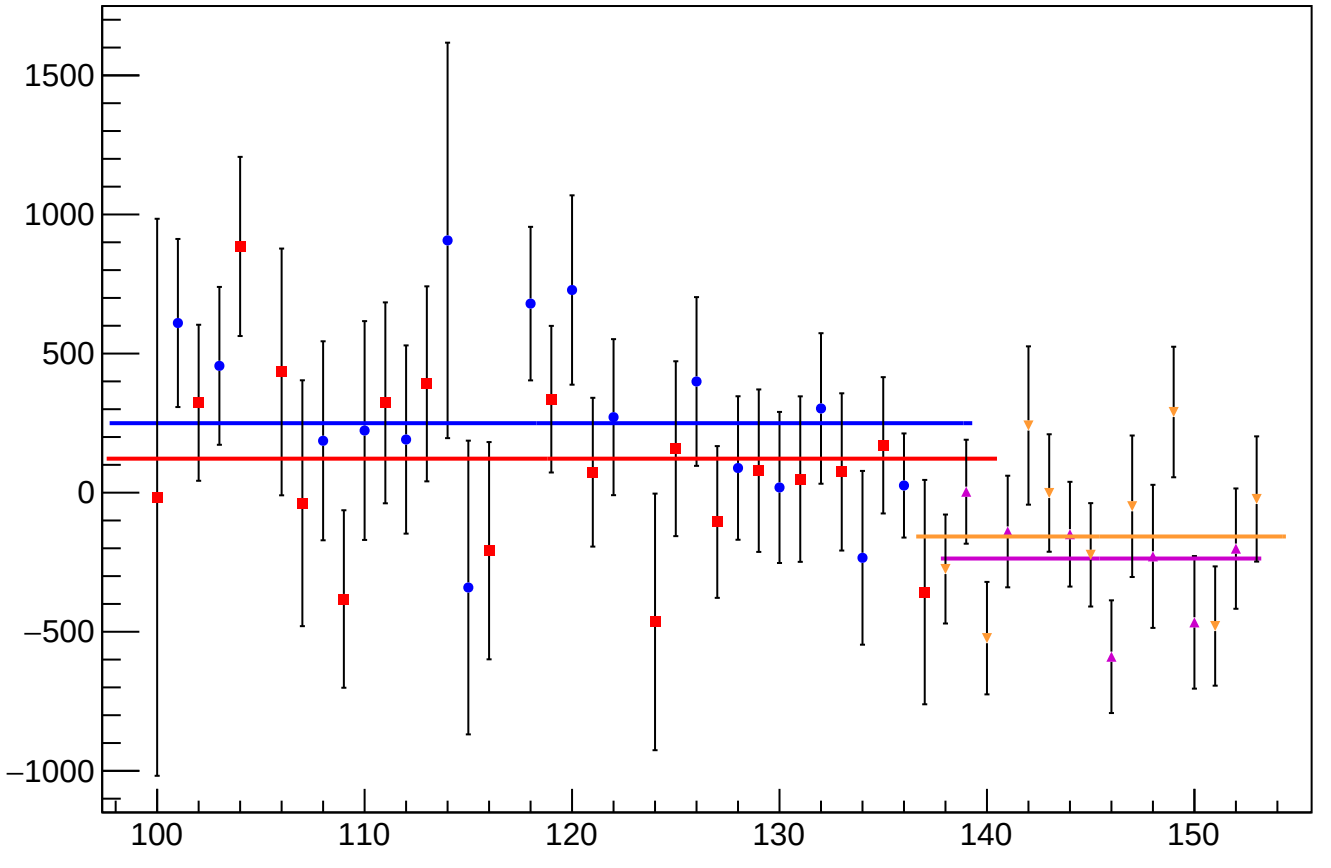
Left: 1572.468+/-0.310 χ^2/NDF: 399380.7/15

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1840.828+/-0.369 χ^2/NDF:1744468.7/22

Out: 1793.136+/-0.348 χ^2/NDF:2274414.8/27

All: 1815.600+/-0.253 χ^2/NDF: 4027715.5/50



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -157.567+/-72.665 χ^2/NDF:12.7/8

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -236.777+/-79.011 χ^2/NDF:6.1/6

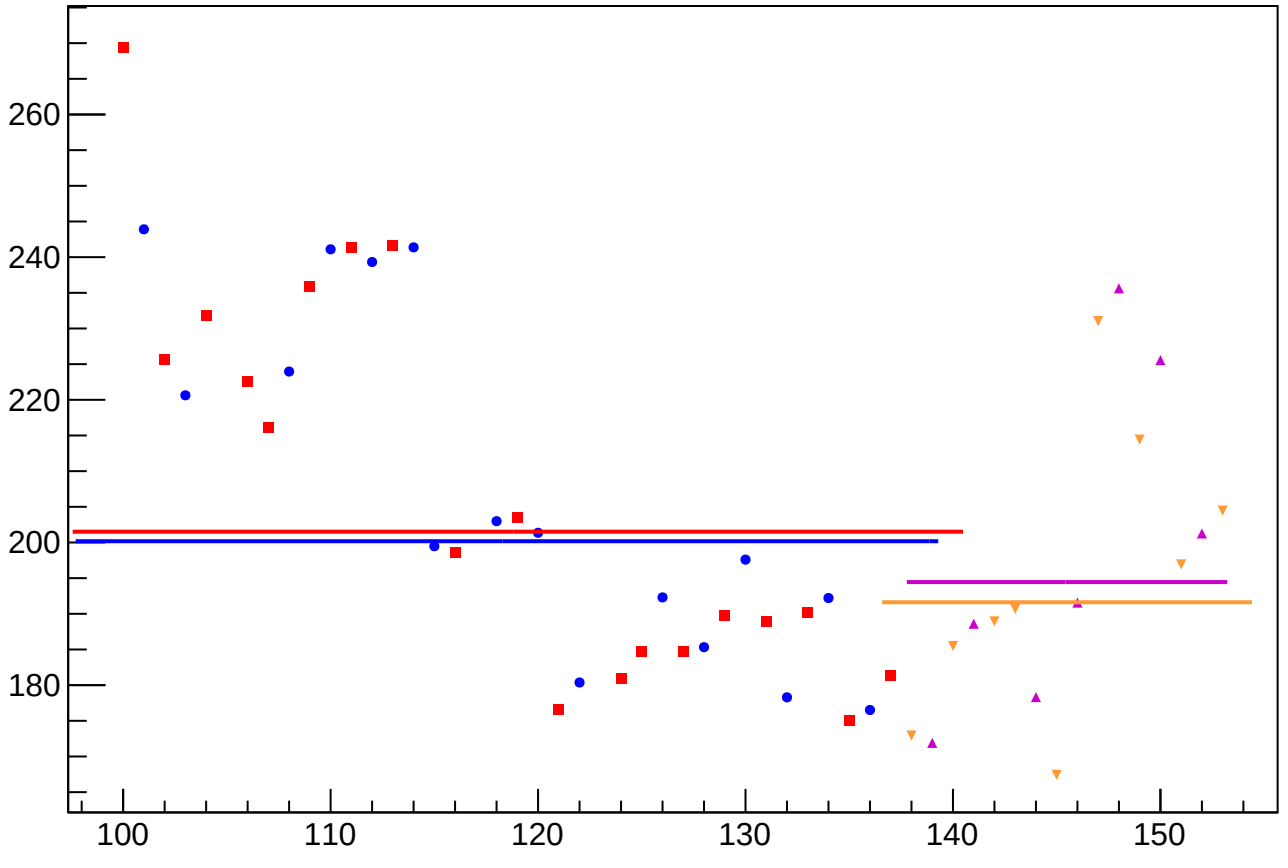
Left: -193.864+/-53.485 χ^2/NDF: 19.3/15

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: 19.553+/-54.349 χ^2/NDF:39.8/22

Out: -20.942+/-51.978 χ^2/NDF:35.4/27

All: -1.597+/-37.564 χ^2/NDF: 75.5/50



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 191.623+/-0.051 χ^2/NDF:128789.9/8

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 194.452+/-0.056 χ^2/NDF:133251.4/6

Left: 192.920+/-0.038 χ^2/NDF: 263430.3/15

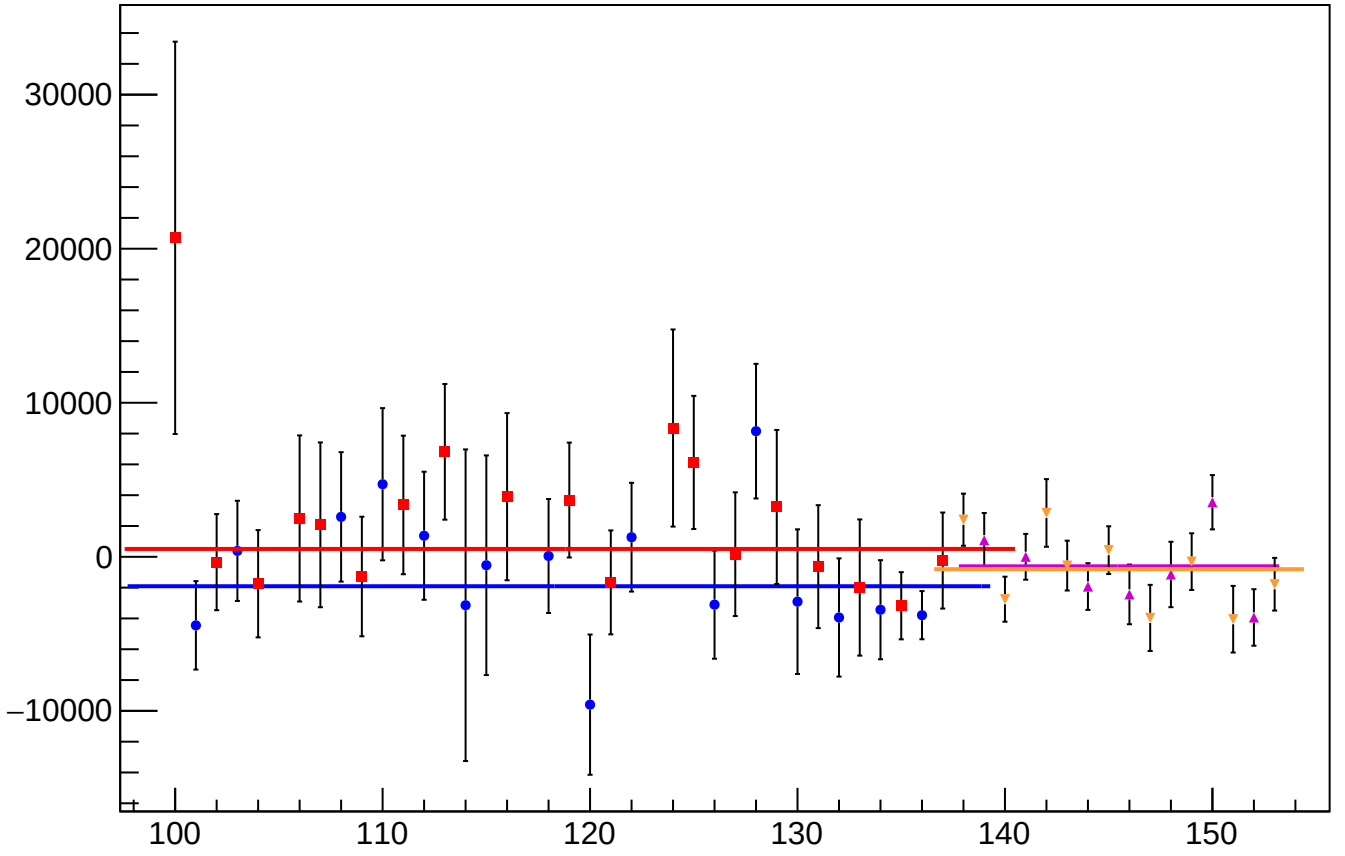
Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 197.468+/-0.038 χ^2/NDF:319784.6/22

Out: 196.453+/-0.037 χ^2/NDF:342317.2/27

All: 196.938+/-0.027 χ^2/NDF: 662466.0/50

asym_sam_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -802.662+/-587.955 χ^2/NDF:13.6/8

Right Out: 511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: -617.369+/-657.201 χ^2/NDF:11.6/6

Left: -720.289+/-438.190 χ^2/NDF: 25.3/15

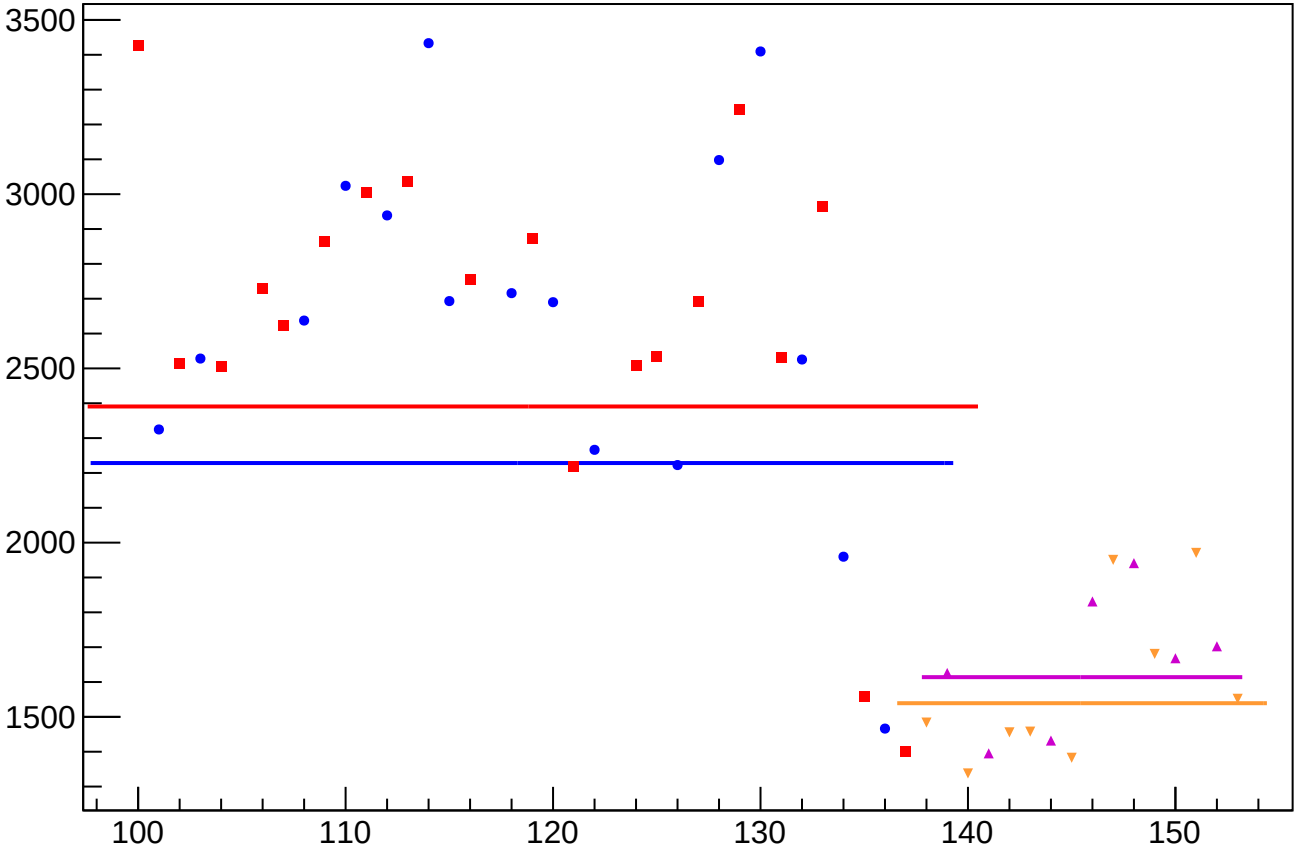
Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -1094.688+/-521.979 χ^2/NDF:29.3/22

Out: -410.867+/-492.556 χ^2/NDF:29.4/27

All: -732.962+/-358.240 χ^2/NDF: 59.6/50

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: 1539.232+/-0.416 χ^2/NDF:233592.2/8

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1613.992+/-0.465 χ^2/NDF:151413.4/6

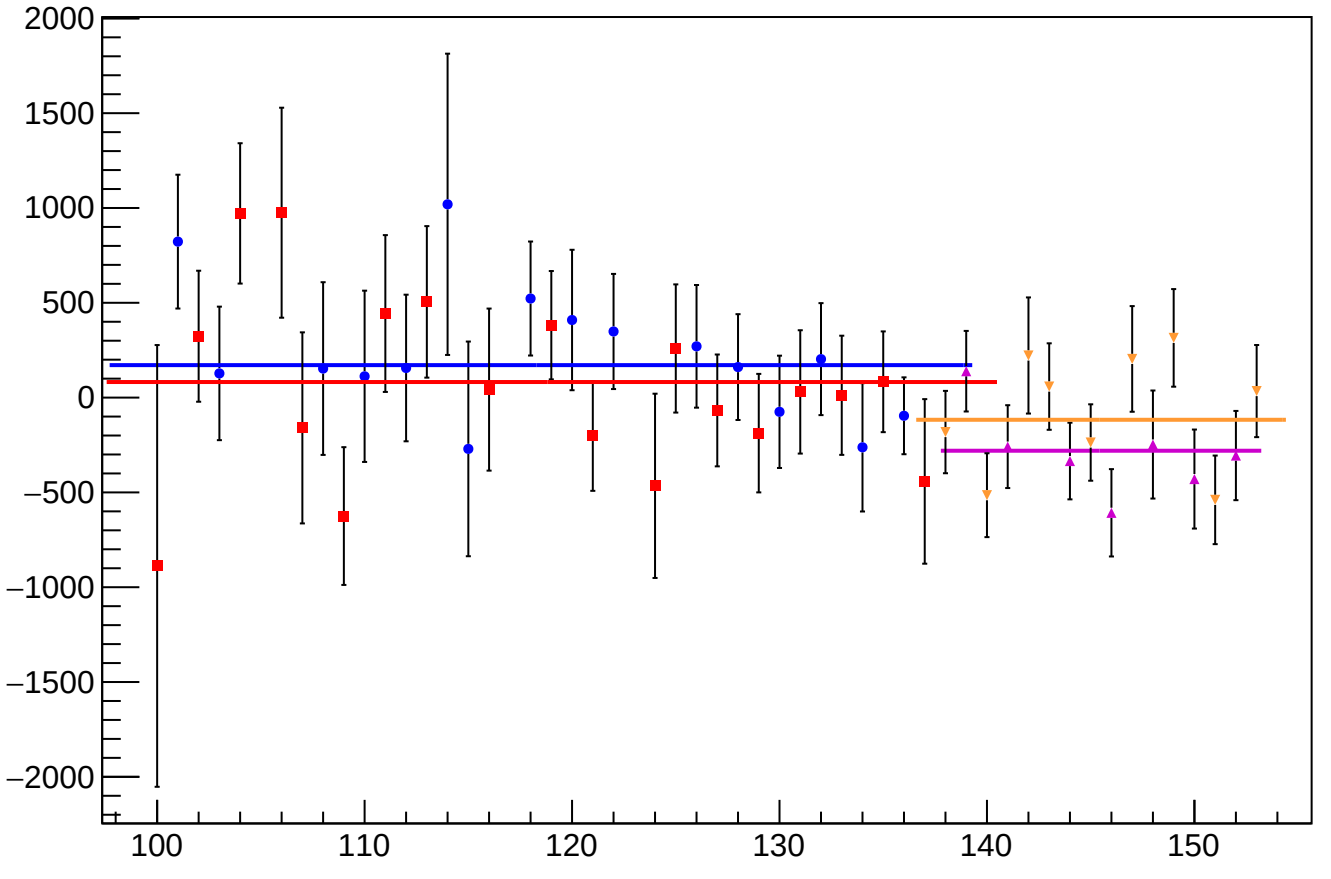
Left: 1572.468+/-0.310 χ^2/NDF: 399380.7/15

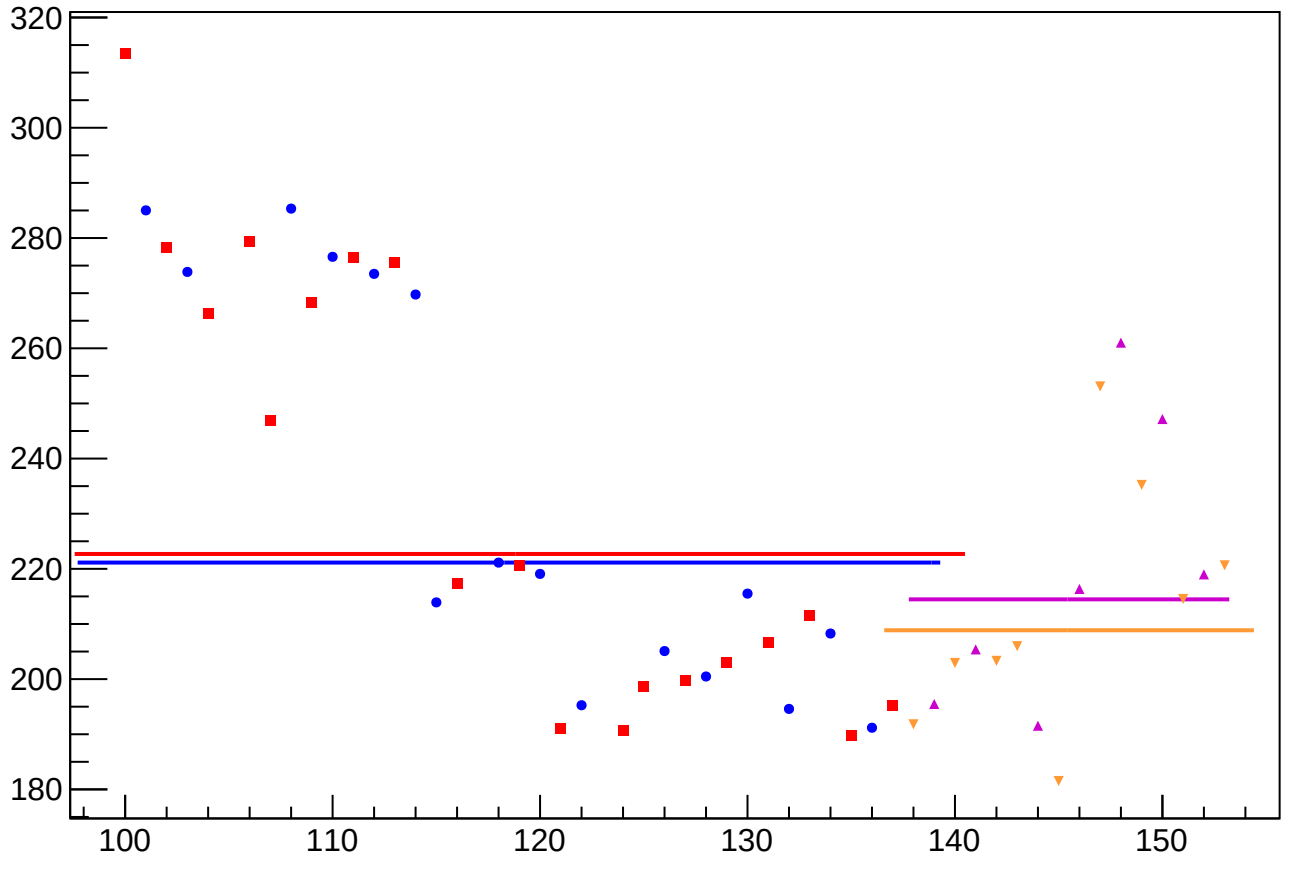
Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1840.828+/-0.369 χ^2/NDF:1744468.7/22

Out: 1793.136+/-0.348 χ^2/NDF:2274414.8/27

All: 1815.600+/-0.253 χ^2/NDF: 4027715.5/50


dit_asym_sam_26_dd_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
−1500
−2000
100
110
120
130
140
150
Right In: 171.258+/-83.116 χ²/NDF: 11.5/15
Left Out: -116.978+/-79.202 χ²/NDF:13.3/8
Right Out: 82.152+/-82.545 χ²/NDF: 21.6/18
Left In: -280.227+/-87.217 χ²/NDF:6.4/6
Left: -190.758+/-58.634 χ²/NDF: 21.6/15
Right: 126.398+/-58.569 χ²/NDF: 33.7/34
In: -43.619+/-60.169 χ²/NDF:31.9/22
Out: -21.527+/-57.150 χ²/NDF:37.9/27
All: -32.005+/-41.437 χ²/NDF: 69.9/50



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 208.860+/-0.056 χ^2/NDF:128813.5/8

Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 214.465+/-0.062 χ^2/NDF:130789.6/6

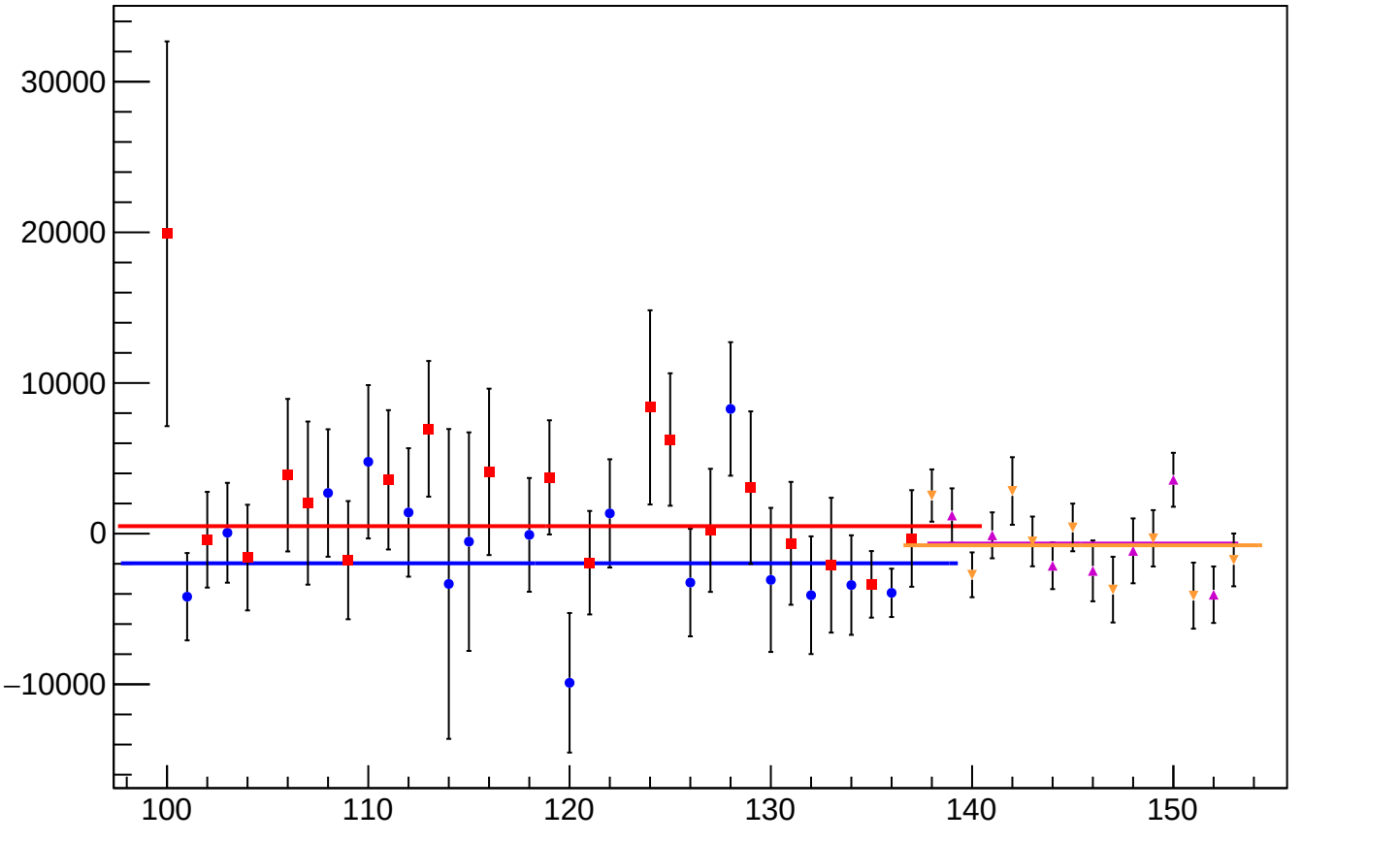
Left: 211.393+/-0.041 χ^2/NDF: 264130.1/15

Right: 221.924+/-0.041 χ^2/NDF: 646088.3/34

In: 217.963+/-0.043 χ^2/NDF:455628.5/22

Out: 215.493+/-0.040 χ^2/NDF:485106.9/27

All: 216.664+/-0.029 χ^2/NDF: 942507.1/50



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: -771.987+/-599.873 χ^2/NDF:13.0/8

Right Out: 497.281+/-914.759 χ^2/NDF: 14.8/18

Left In: -657.731+/-672.333 χ^2/NDF:11.8/6

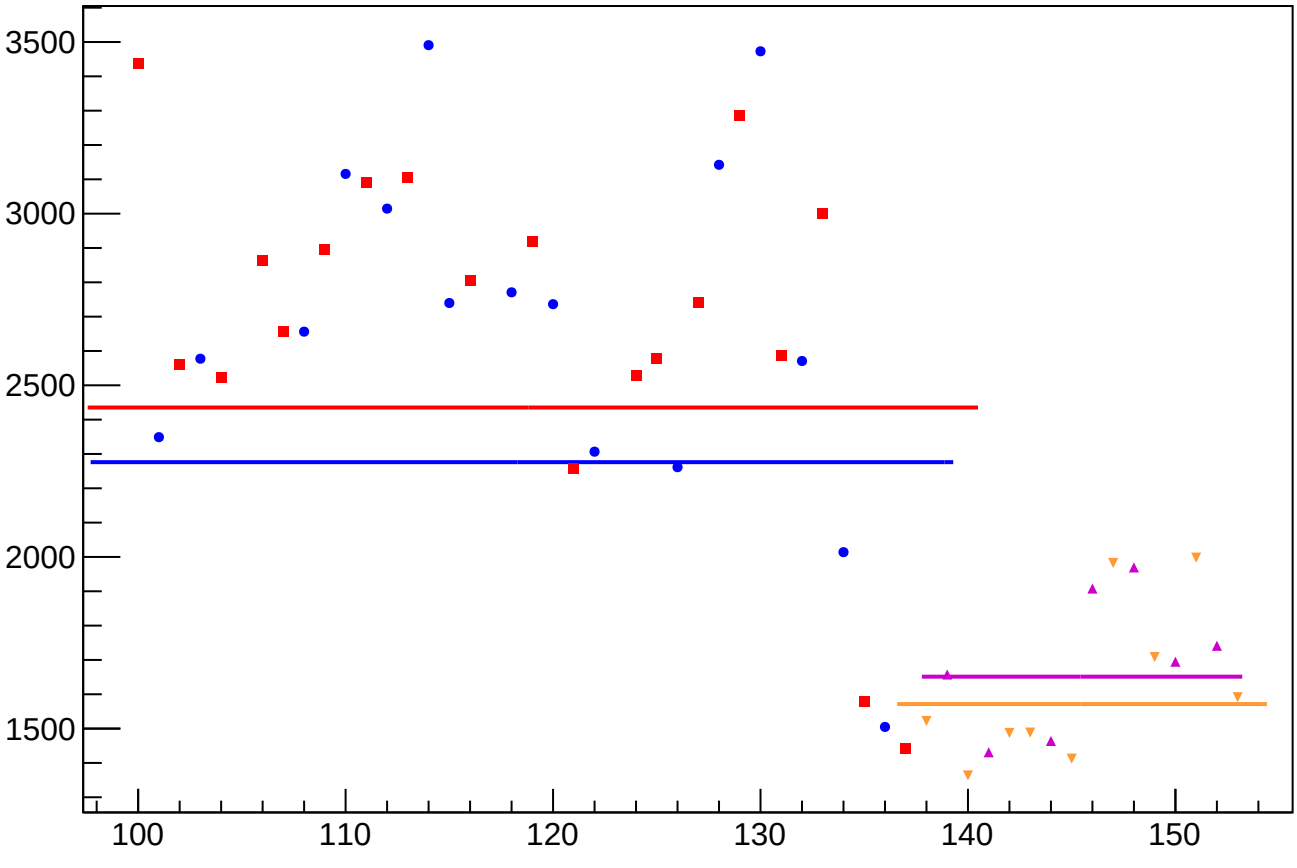
Left: -721.345+/-447.608 χ^2/NDF: 24.9/15

Right: -787.531+/-632.914 χ^2/NDF: 34.7/34

In: -1142.803+/-533.490 χ^2/NDF:29.4/22

Out: -390.297+/-501.632 χ^2/NDF:29.2/27

All: -743.412+/-365.451 χ^2/NDF: 59.6/50



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1571.411+/-0.424 χ^2/NDF:226455.7/8

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

Left In: 1651.263+/-0.475 χ^2/NDF:152759.6/6

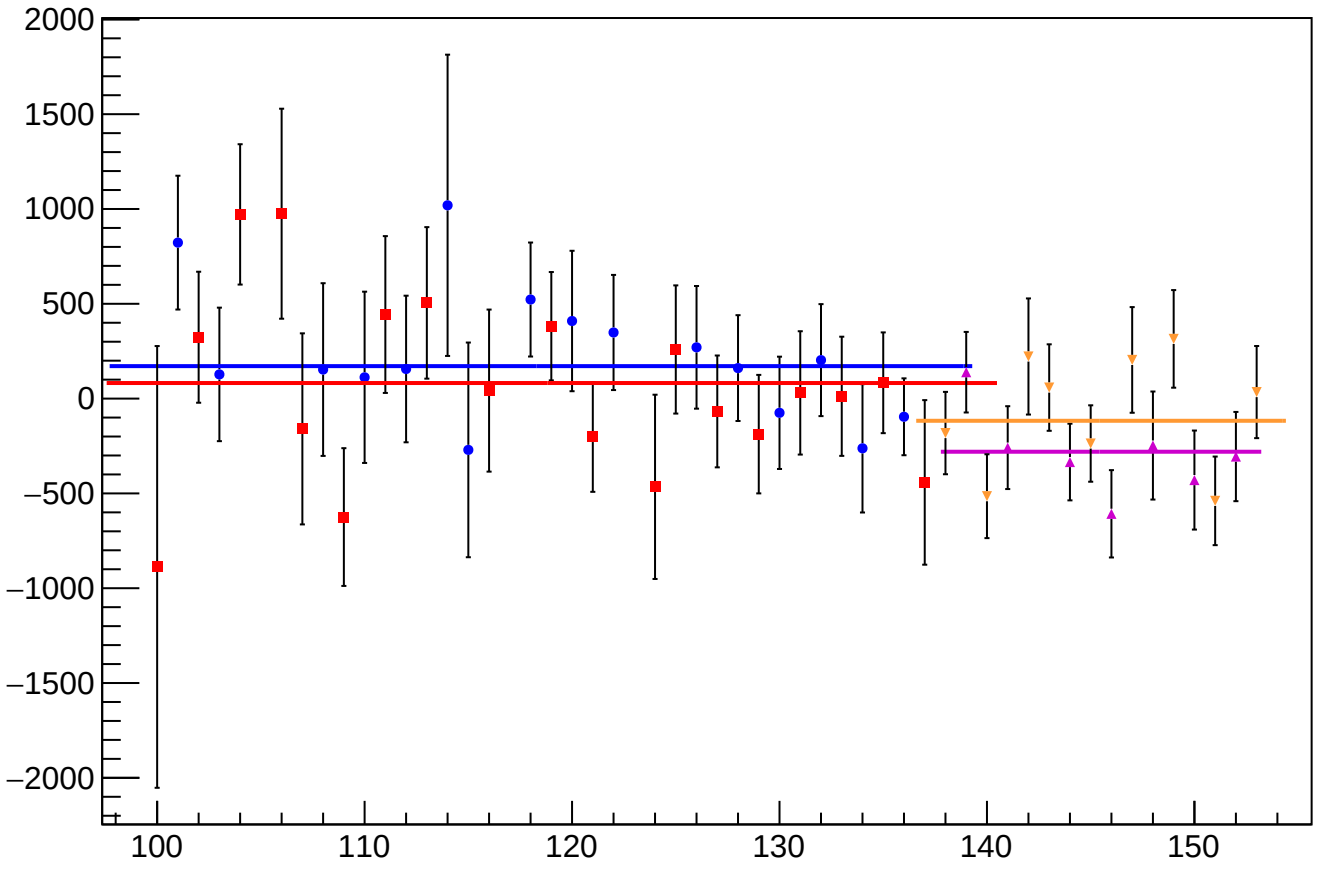
Left: 1606.803+/-0.317 χ^2/NDF: 394922.9/15

Right: 2352.355+/-0.448 χ^2/NDF: 1750083.9/34

In: 1882.699+/-0.377 χ^2/NDF:1719598.0/22

Out: 1831.213+/-0.355 χ^2/NDF:2265471.4/27

All: 1855.373+/-0.258 χ^2/NDF: 3994955.8/50



Right In: 171.260+/-83.115 χ^2/NDF: 11.5/15

Left Out: -116.981+/-79.202 χ^2/NDF:13.3/8

Right Out: 82.150+/-82.545 χ^2/NDF: 21.6/18

Left In: -280.228+/-87.217 χ^2/NDF:6.4/6

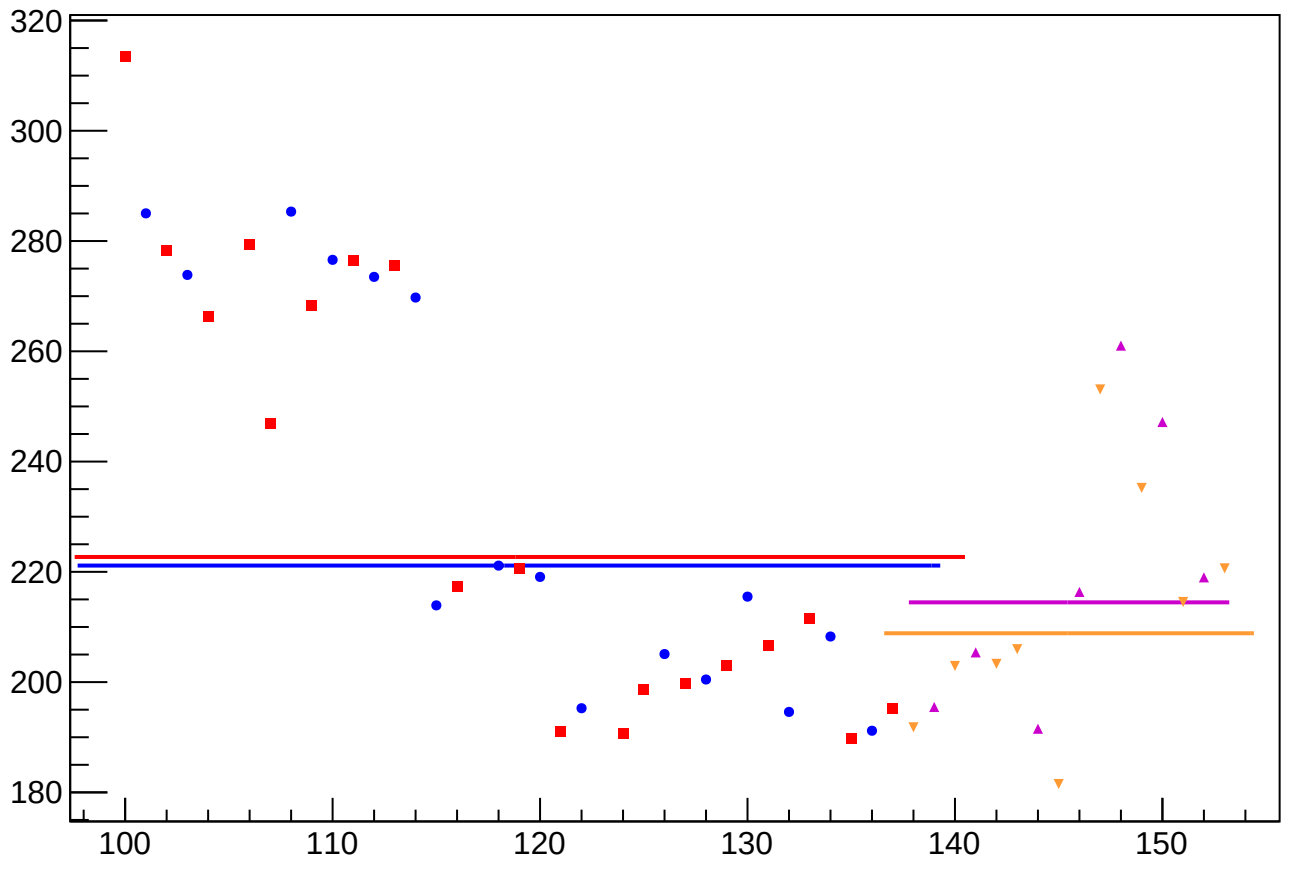
Left: -190.761+/-58.634 χ^2/NDF: 21.6/15

Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -43.618+/-60.169 χ^2/NDF:31.9/22

Out: -21.529+/-57.150 χ^2/NDF:37.9/27

All: -32.005+/-41.437 χ^2/NDF: 69.9/50



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 208.860+/-0.056 χ^2/NDF:128816.8/8

Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 214.465+/-0.062 χ^2/NDF:130791.2/6

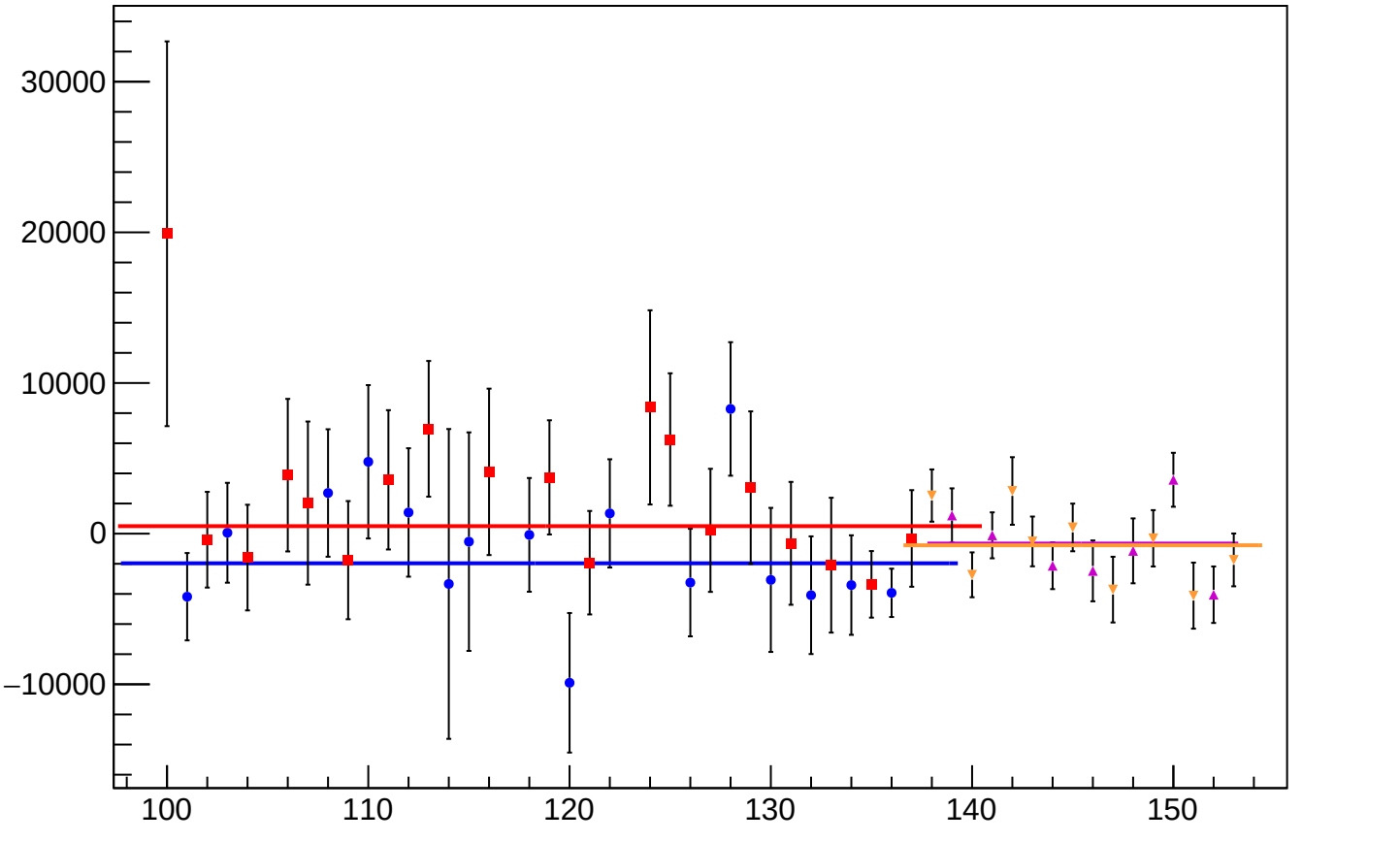
Left: 211.393+/-0.041 χ^2/NDF: 264135.0/15

Right: 221.923+/-0.041 χ^2/NDF: 646076.2/34

In: 217.962+/-0.043 χ^2/NDF:455623.2/22

Out: 215.492+/-0.040 χ^2/NDF:485100.2/27

All: 216.664+/-0.029 χ^2/NDF: 942494.8/50



Right In: -1967.409+/-876.608 χ^2/NDF: 16.2/15

Left Out: -771.988+/-599.872 χ^2/NDF:13.0/8

Right Out: 497.282+/-914.757 χ^2/NDF: 14.8/18

Left In: -657.729+/-672.333 χ^2/NDF:11.8/6

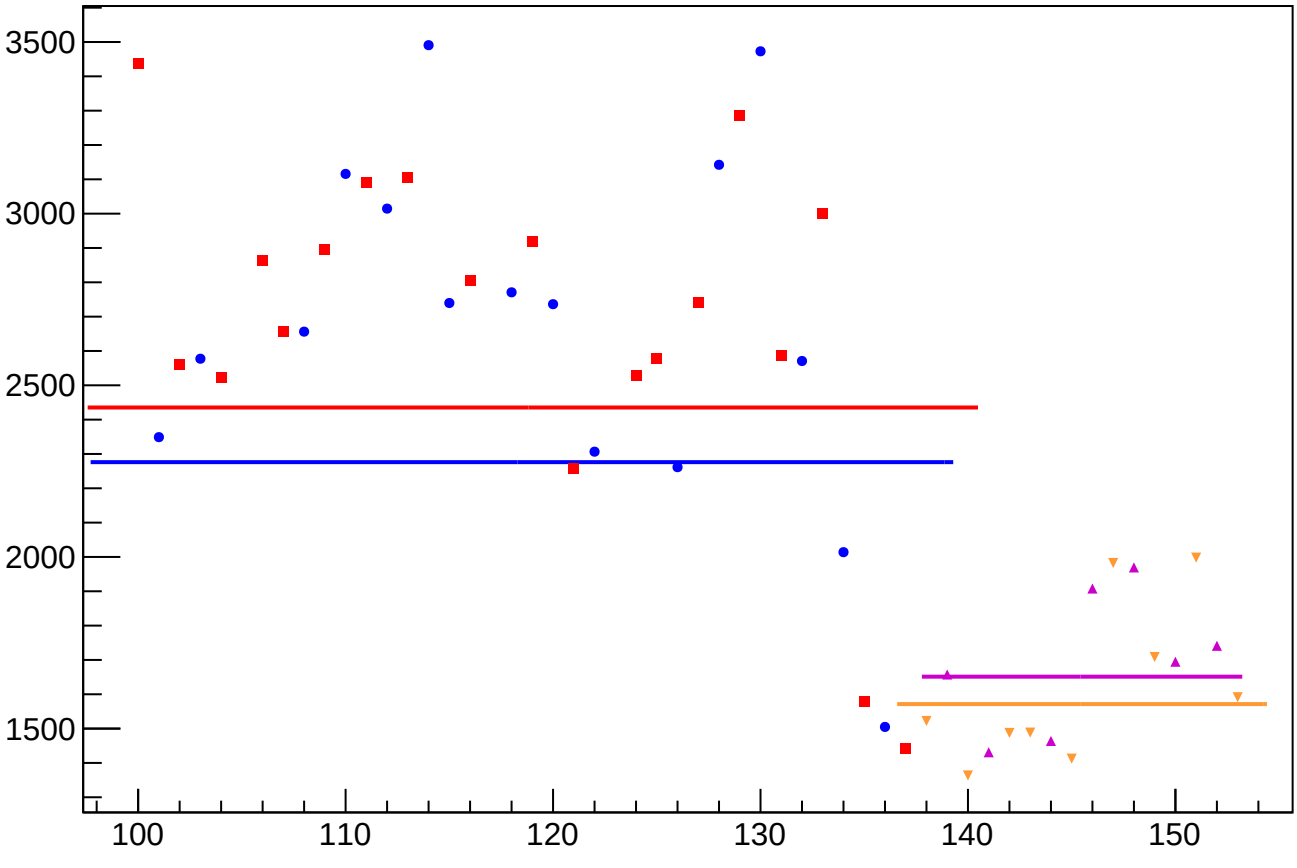
Left: -721.345+/-447.608 χ^2/NDF: 24.9/15

Right: -787.528+/-632.913 χ^2/NDF: 34.7/34

In: -1142.800+/-533.489 χ^2/NDF:29.4/22

Out: -390.297+/-501.632 χ^2/NDF:29.2/27

All: -743.411+/-365.451 χ^2/NDF: 59.6/50



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1571.410+/-0.424 χ^2/NDF:226457.0/8

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

Left In: 1651.262+/-0.475 χ^2/NDF:152759.4/6

Left: 1606.802+/-0.317 χ^2/NDF: 394924.2/15

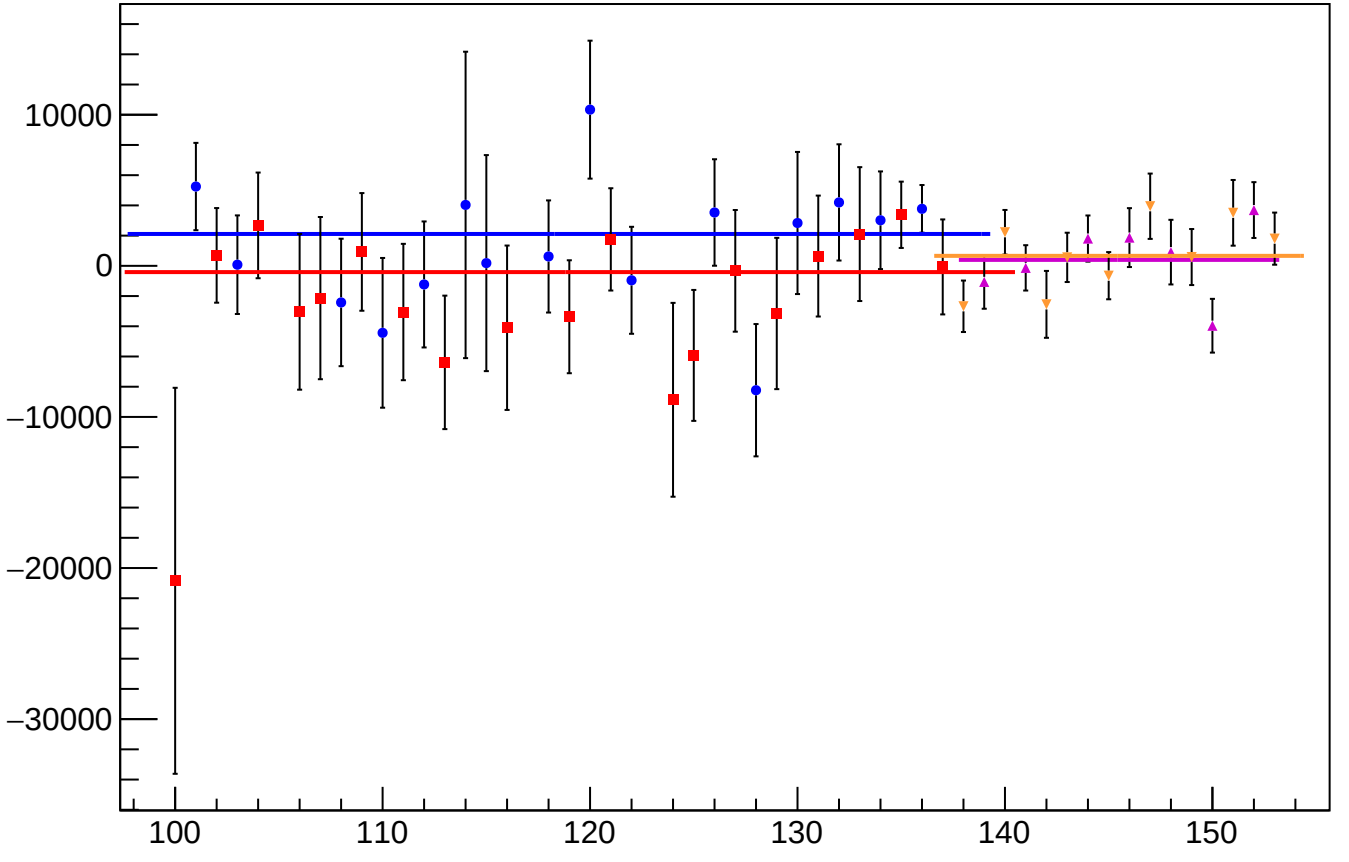
Right: 2352.352+/-0.448 χ^2/NDF: 1750068.0/34

In: 1882.697+/-0.377 χ^2/NDF:1719585.6/22

Out: 1831.212+/-0.355 χ^2/NDF:2265462.6/27

All: 1855.371+/-0.258 χ^2/NDF: 3994934.7/50

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 661.190+/-592.691 χ^2/NDF:12.2/8

Right Out: -414.095+/-904.414 χ^2/NDF: 14.7/18

Left In: 393.797+/-662.214 χ^2/NDF:11.5/6

Left: 542.262+/-441.637 χ^2/NDF: 23.8/15

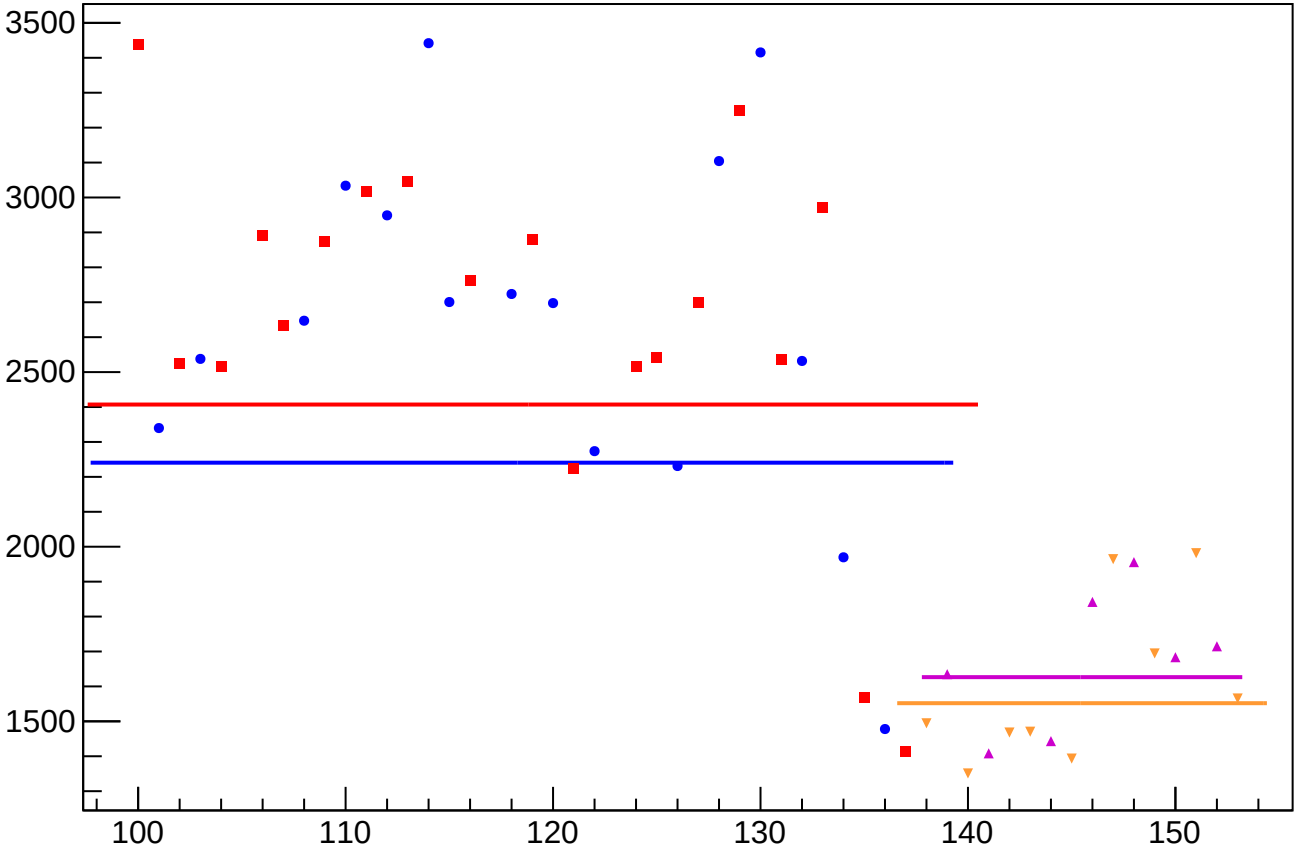
Right: 906.398+/-624.471 χ^2/NDF: 35.4/34

In: 1029.377+/-525.432 χ^2/NDF:30.6/22

Out: 338.137+/-495.727 χ^2/NDF:27.9/27

All: 663.666+/-360.576 χ^2/NDF: 59.4/50

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1551.945+/-0.419 χ^2/NDF:230772.4/8

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

Left In: 1626.526+/-0.468 χ^2/NDF:149602.0/6

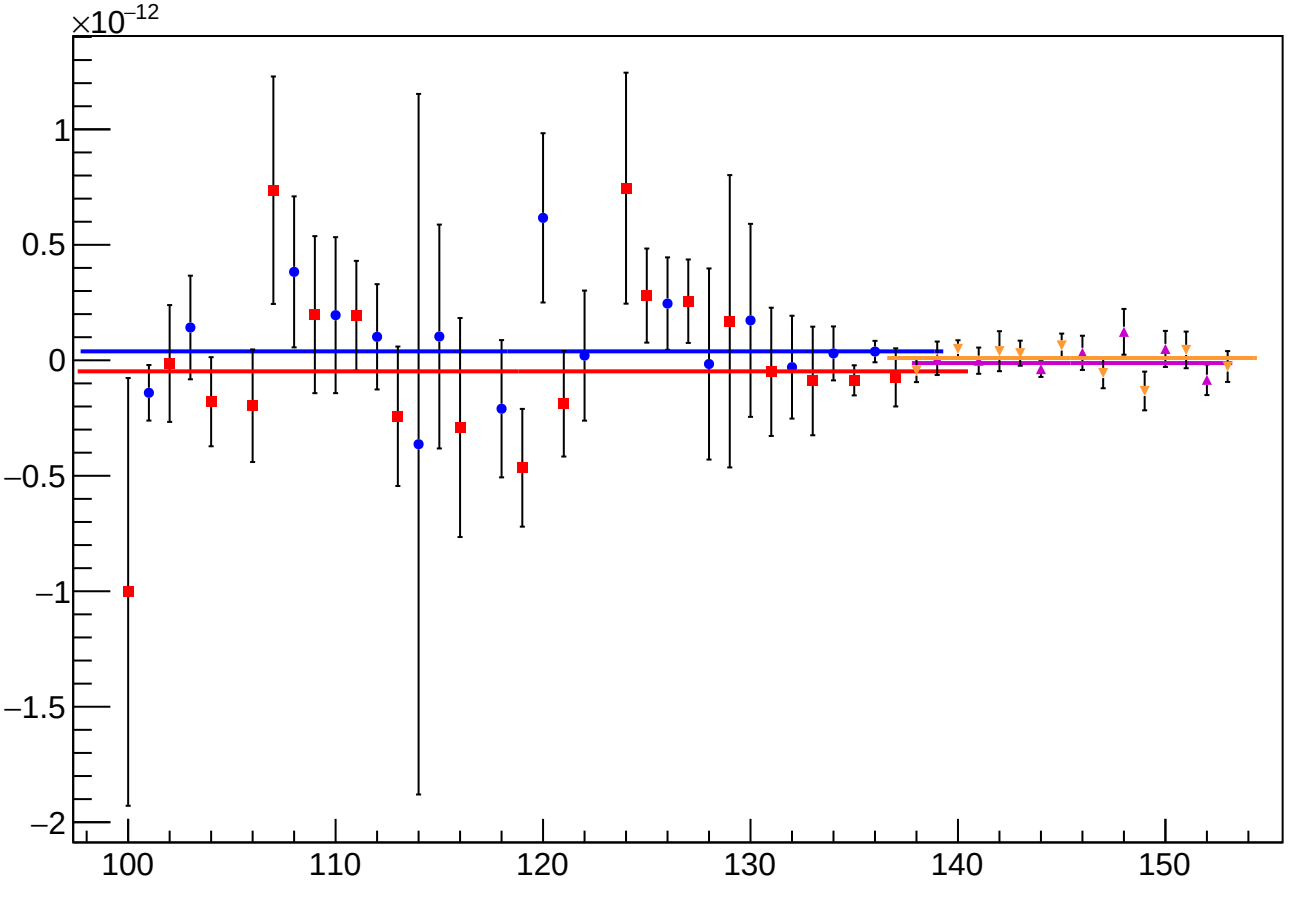
Left: 1585.116+/-0.312 χ^2/NDF: 394459.7/15

Right: 2320.004+/-0.442 χ^2/NDF: 1758033.9/34

In: 1854.014+/-0.372 χ^2/NDF:1720326.2/22

Out: 1808.870+/-0.351 χ^2/NDF:2270693.8/27

All: 1830.130+/-0.255 χ^2/NDF: 3998830.8/50



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.0/8

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:4.7/6

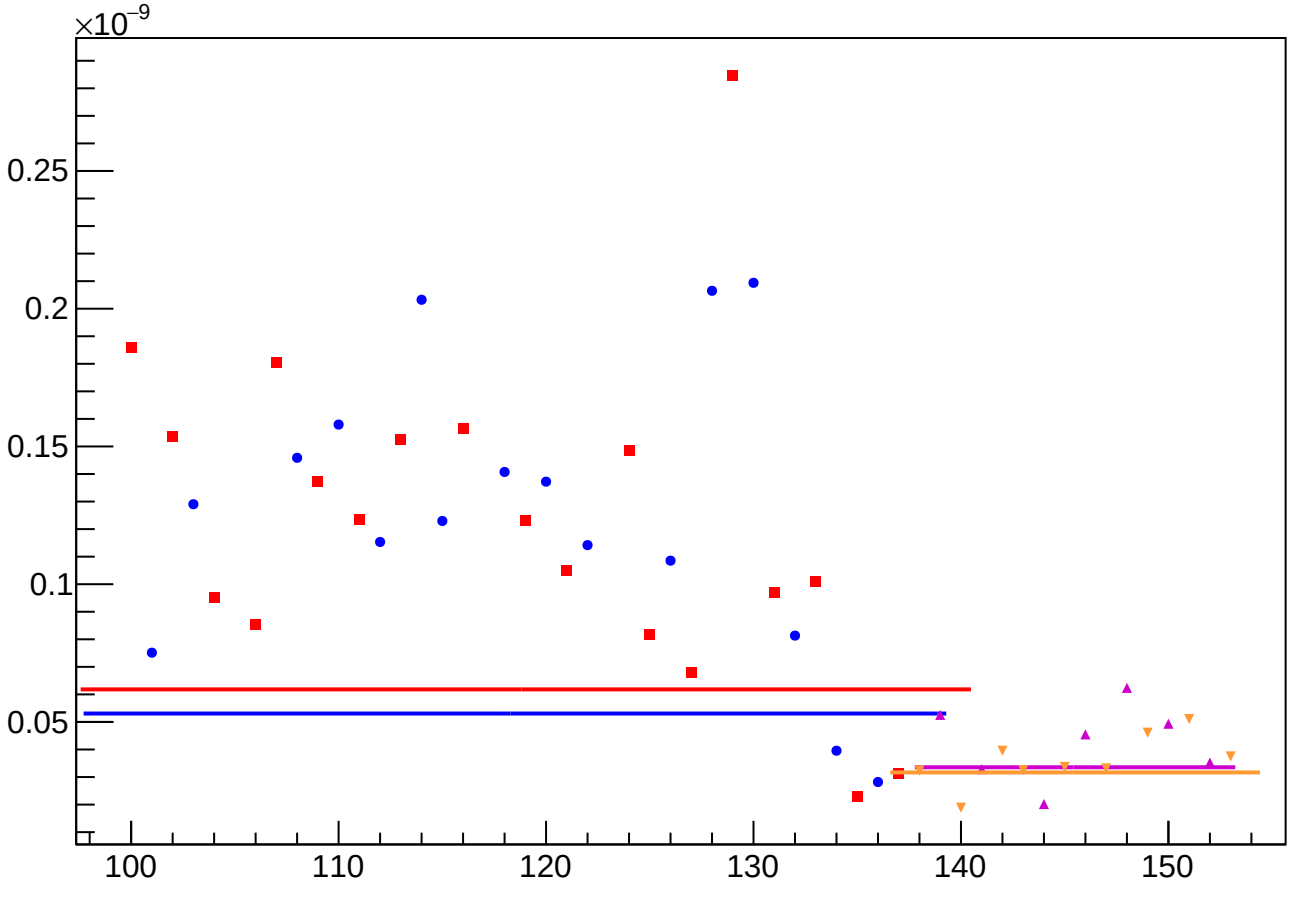
Left: 0.000+/-0.000 χ^2/NDF: 13.3/15

Right: 0.000+/-0.000 χ^2/NDF: 29.0/34

In: 0.000+/-0.000 χ^2/NDF:14.6/22

Out: 0.000+/-0.000 χ^2/NDF:27.7/27

All: 0.000+/-0.000 χ^2/NDF: 42.3/50



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:449016.3/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

Left In: 0.000+/-0.000 χ^2/NDF:750679.7/6

Left: 0.000+/-0.000 χ^2/NDF: 1207874.9/15

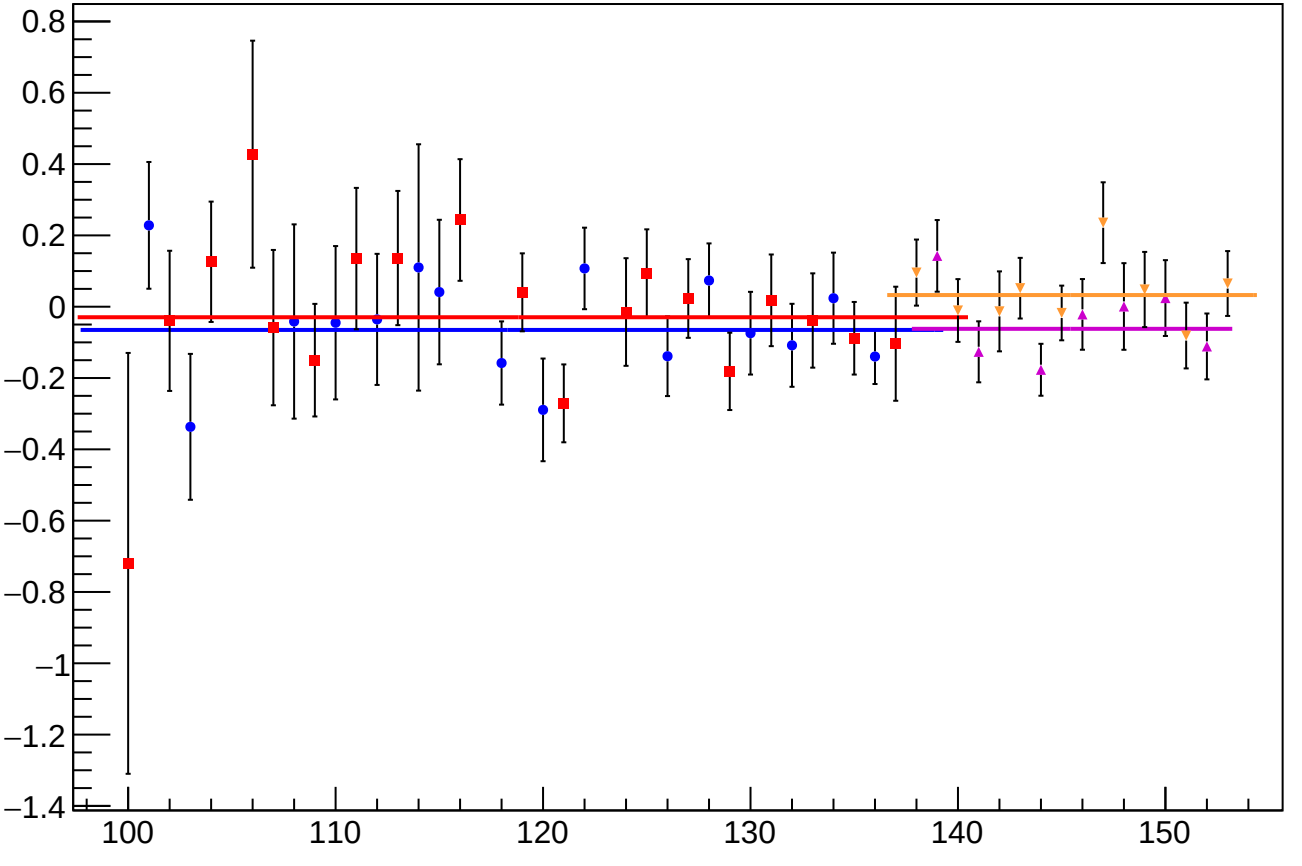
Right: 0.000+/-0.000 χ^2/NDF: 5040906.1/34

In: 0.000+/-0.000 χ^2/NDF:3747238.8/22

Out: 0.000+/-0.000 χ^2/NDF:3674140.4/27

All: 0.000+/-0.000 χ^2/NDF: 7436098.8/50

asym_sam_26_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.033+/-0.031 χ^2/NDF:6.2/8

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.062+/-0.035 χ^2/NDF:8.6/6

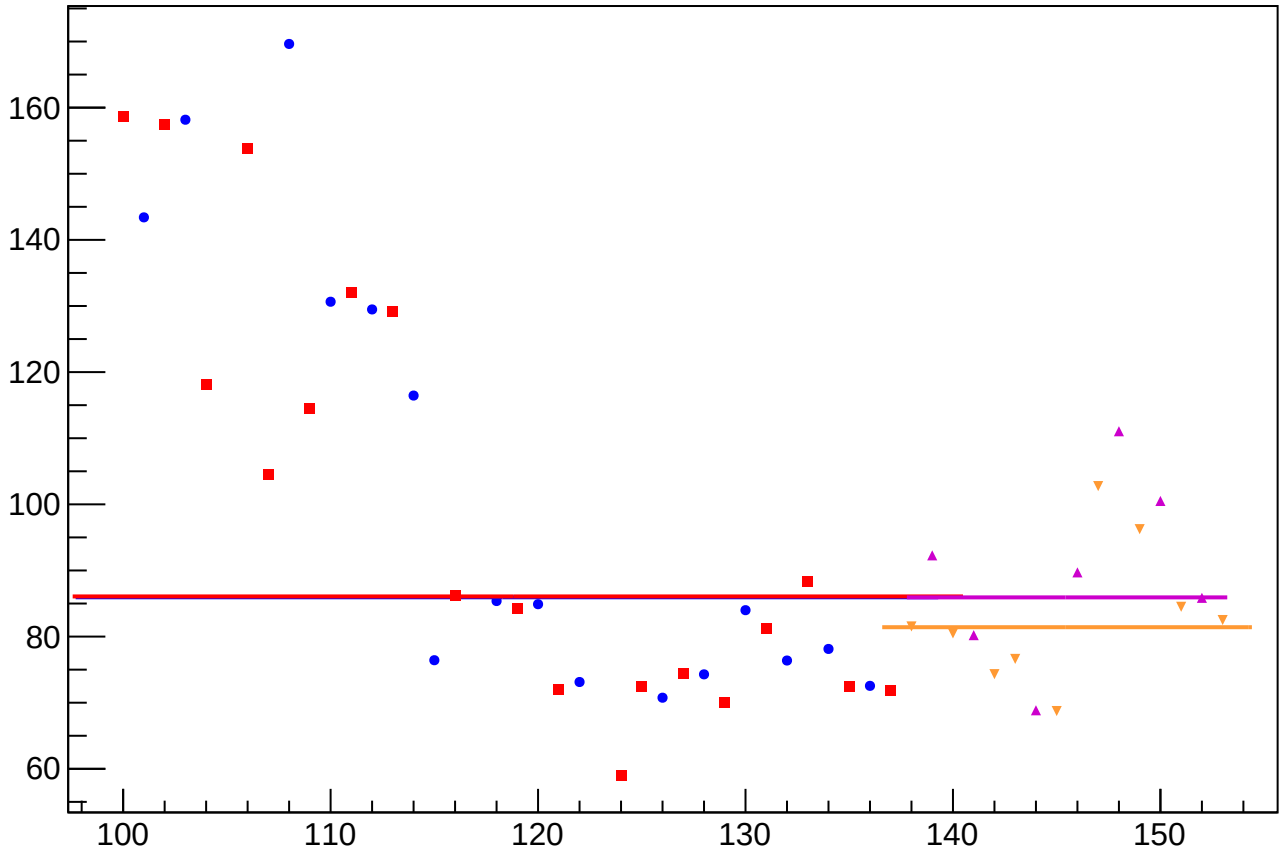
Left: -0.008+/-0.023 χ^2/NDF: 18.9/15

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.064+/-0.024 χ^2/NDF:22.8/22

Out: 0.003+/-0.023 χ^2/NDF:26.2/27

All: -0.028+/-0.017 χ^2/NDF: 53.1/50



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 81.418+/-0.022 χ^2/NDF:182365.3/8

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 85.929+/-0.025 χ^2/NDF:253036.2/6

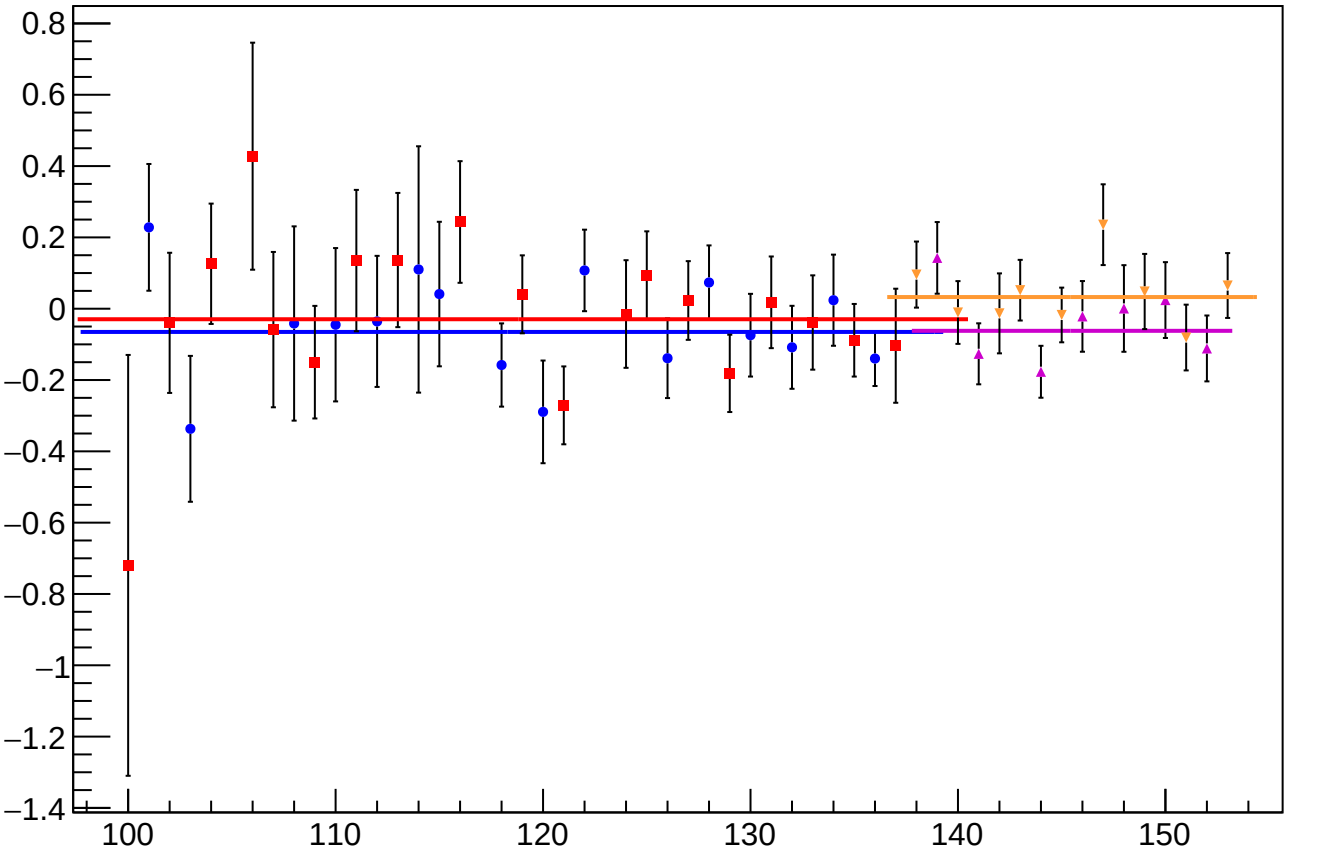
Left: 83.379+/-0.016 χ^2/NDF: 453790.2/15

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 85.938+/-0.017 χ^2/NDF:1288041.0/22

Out: 83.604+/-0.016 χ^2/NDF:1194889.5/27

All: 84.688+/-0.012 χ^2/NDF: 2492850.6/50



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.033+/-0.031 χ^2/NDF:6.2/8

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.062+/-0.035 χ^2/NDF:8.6/6

Left: -0.008+/-0.023 χ^2/NDF: 18.9/15

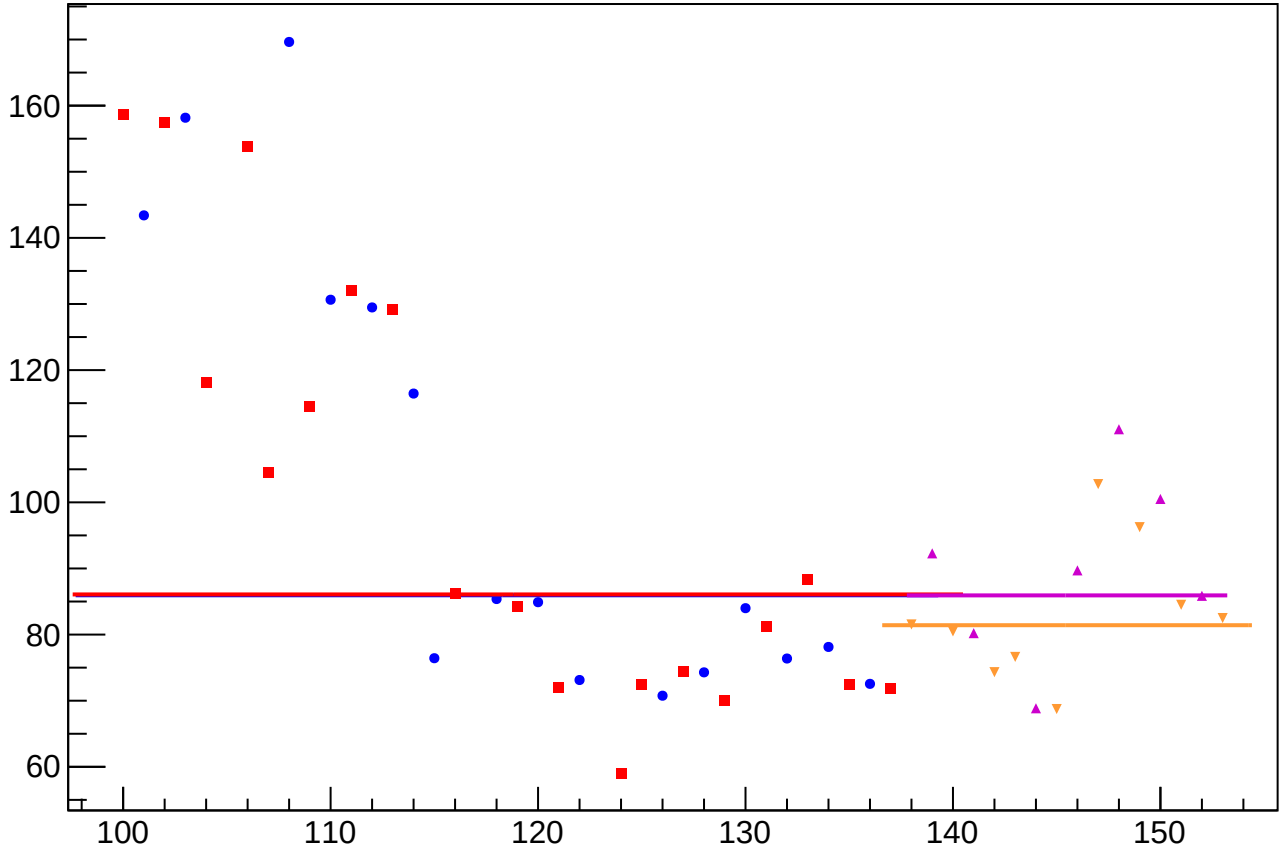
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.064+/-0.024 χ^2/NDF:22.8/22

Out: 0.003+/-0.023 χ^2/NDF:26.2/27

All: -0.028+/-0.017 χ^2/NDF: 53.1/50

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: 81.418+/-0.022 χ^2/NDF:182365.3/8

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 85.929+/-0.025 χ^2/NDF:253036.2/6

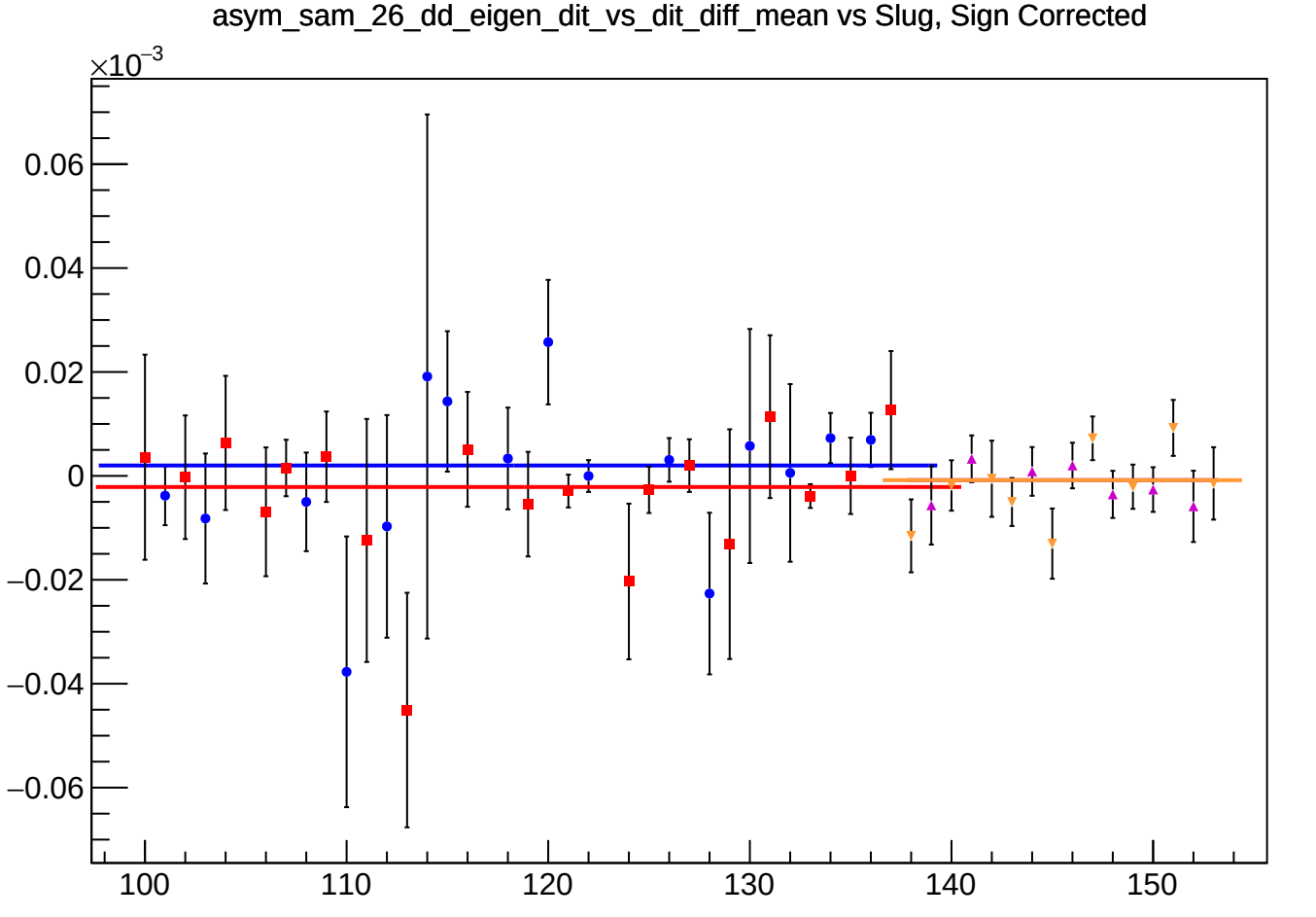
Left: 83.379+/-0.016 χ^2/NDF: 453790.2/15

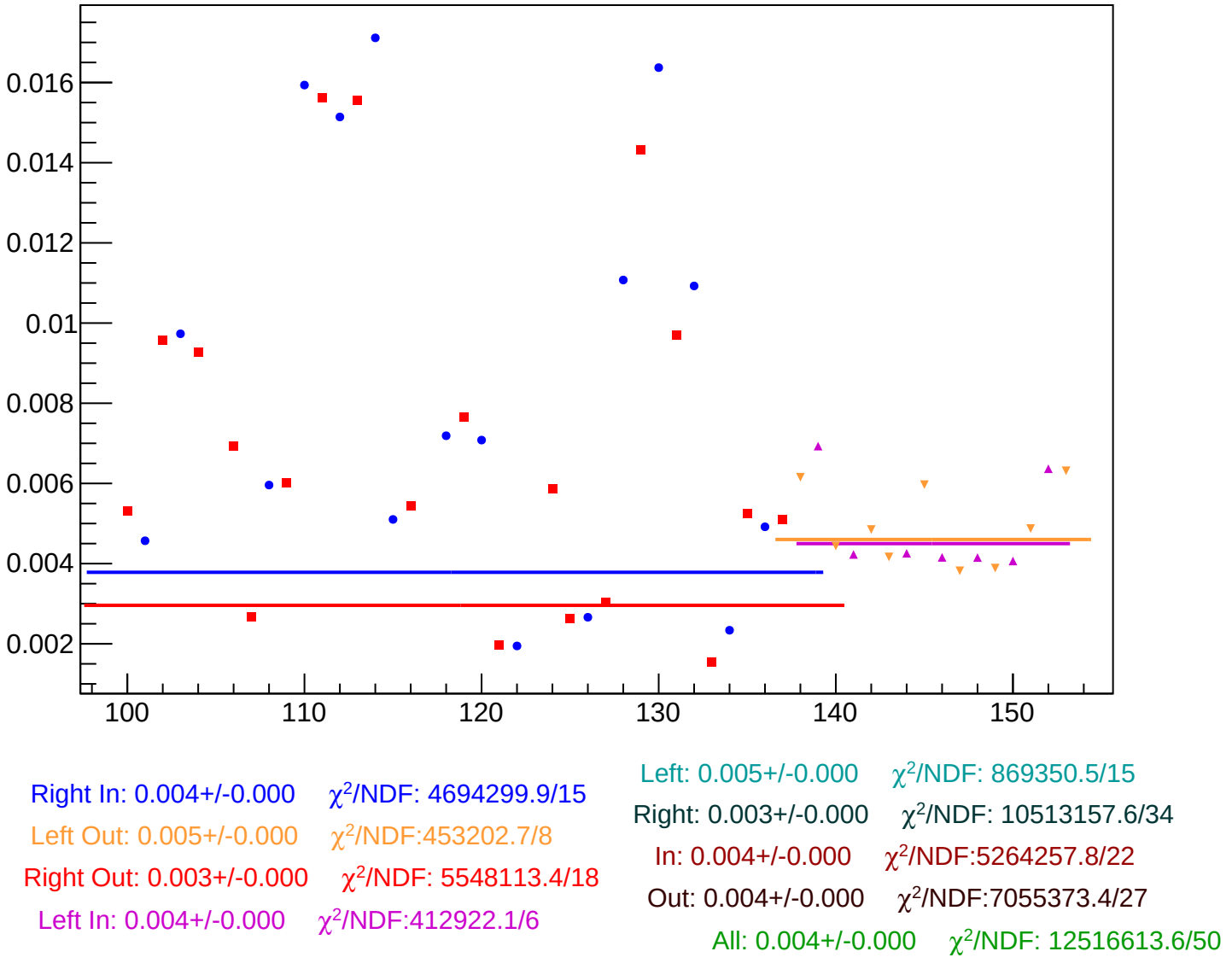
Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 85.938+/-0.017 χ^2/NDF:1288041.0/22

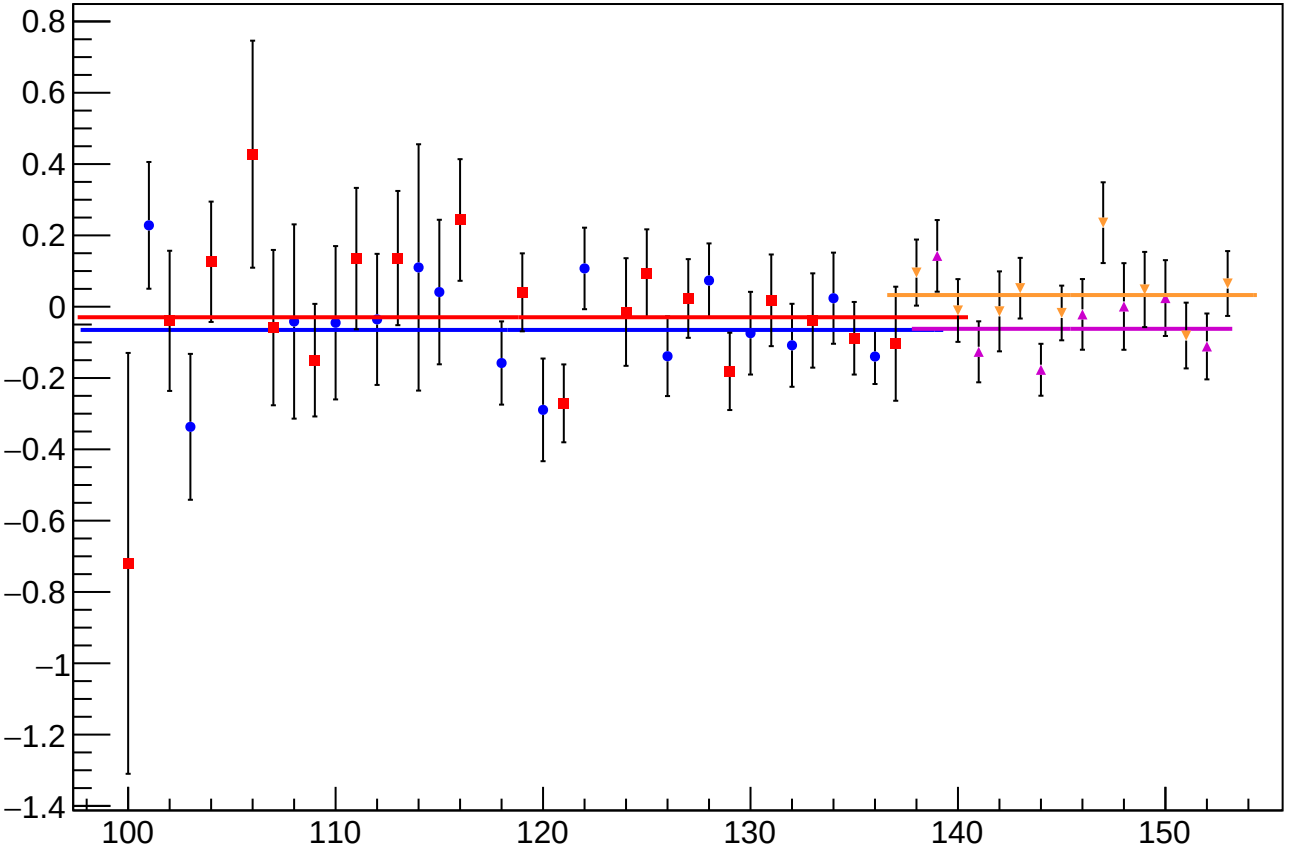
Out: 83.604+/-0.016 χ^2/NDF:1194889.5/27

All: 84.688+/-0.012 χ^2/NDF: 2492850.6/50


asym_sam_26_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: -0.000+/-0.000 χ²/NDF:13.7/8
Right Out: -0.000+/-0.000 χ²/NDF: 11.5/18
Left In: -0.000+/-0.000 χ²/NDF:2.9/6
Left: -0.000+/-0.000 χ²/NDF: 16.6/15
Right: -0.000+/-0.000 χ²/NDF: 29.8/34
In: 0.000+/-0.000 χ²/NDF:19.0/22
Out: -0.000+/-0.000 χ²/NDF:25.6/27
All: -0.000+/-0.000 χ²/NDF: 46.5/50


asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
Right In: 0.004+/-0.000 χ²/NDF: 4694299.9/15
Left Out: 0.005+/-0.000 χ²/NDF:453202.7/8
Right Out: 0.003+/-0.000 χ²/NDF: 5548113.4/18
Left In: 0.004+/-0.000 χ²/NDF:412922.1/6
Left: 0.005+/-0.000 χ²/NDF: 869350.5/15
Right: 0.003+/-0.000 χ²/NDF: 10513157.6/34
In: 0.004+/-0.000 χ²/NDF:5264257.8/22
Out: 0.004+/-0.000 χ²/NDF:7055373.4/27
All: 0.004+/-0.000 χ²/NDF: 12516613.6/50

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.033+/-0.031 χ^2/NDF:6.2/8

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.062+/-0.035 χ^2/NDF:8.6/6

Left: -0.008+/-0.023 χ^2/NDF: 18.9/15

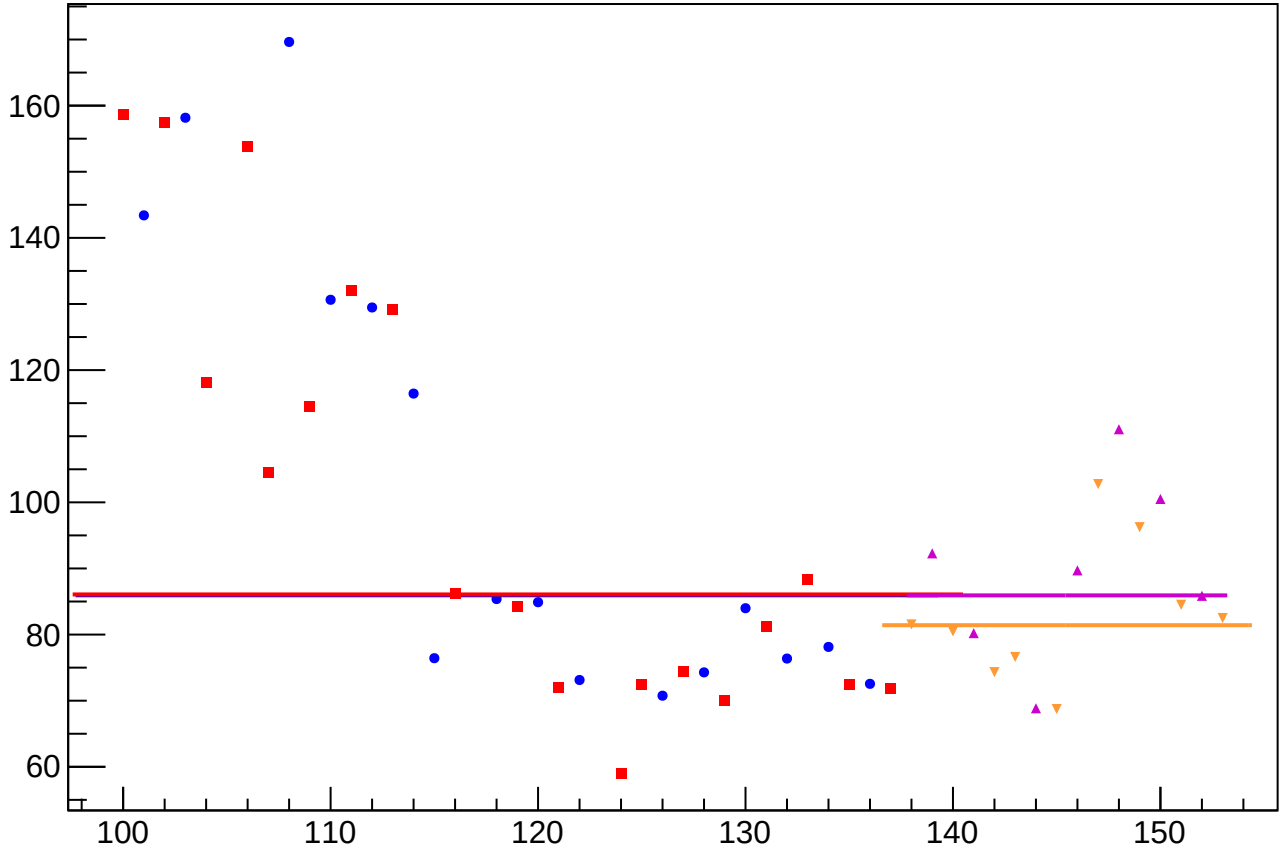
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.064+/-0.024 χ^2/NDF:22.8/22

Out: 0.003+/-0.023 χ^2/NDF:26.2/27

All: -0.028+/-0.017 χ^2/NDF: 53.1/50

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: 81.418+/-0.022 χ^2/NDF:182388.8/8

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 85.928+/-0.025 χ^2/NDF:253038.9/6

Left: 83.378+/-0.016 χ^2/NDF: 453817.6/15

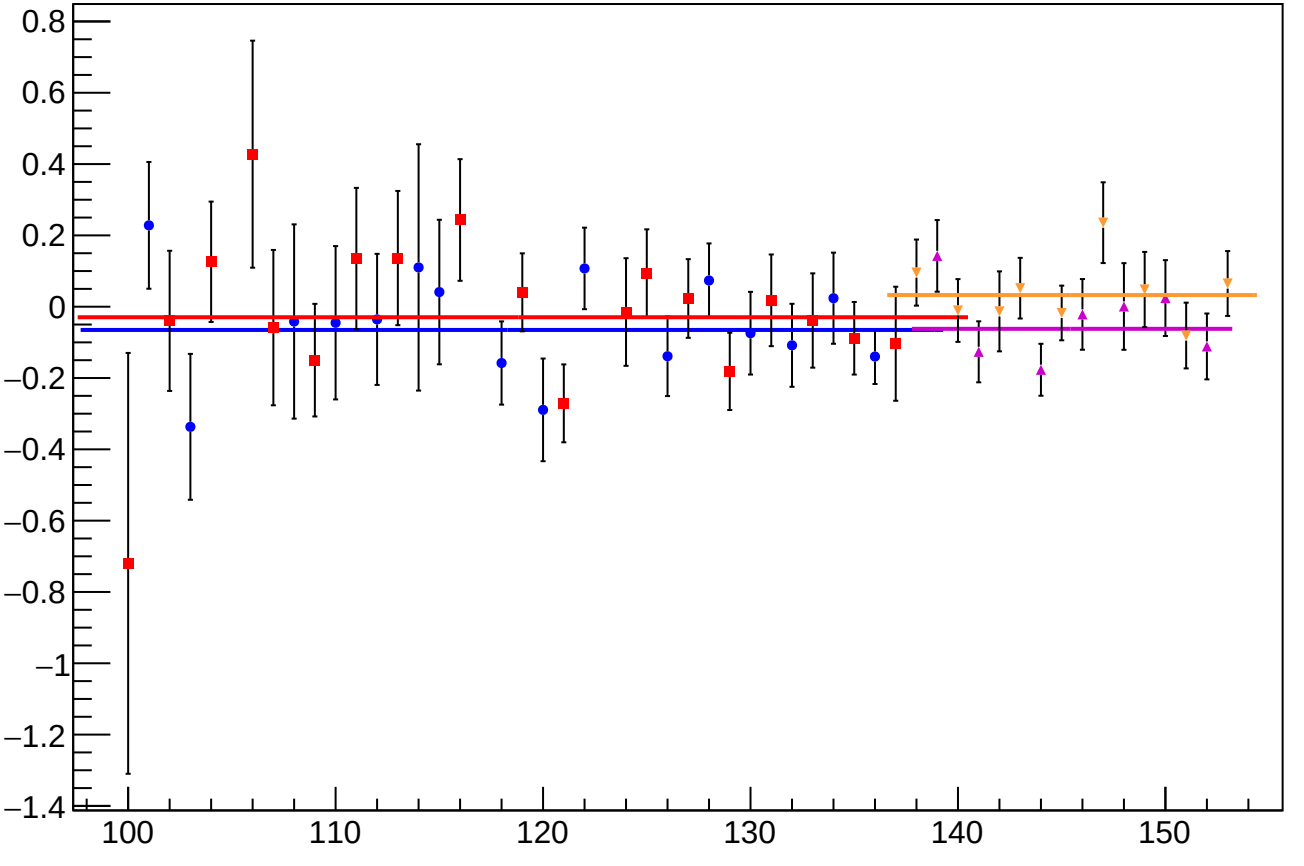
Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 85.936+/-0.017 χ^2/NDF:1288025.8/22

Out: 83.602+/-0.016 χ^2/NDF:1194893.0/27

All: 84.687+/-0.012 χ^2/NDF: 2492836.9/50

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: 0.033+/-0.031 χ^2/NDF:6.2/8

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.062+/-0.035 χ^2/NDF:8.6/6

Left: -0.008+/-0.023 χ^2/NDF: 18.9/15

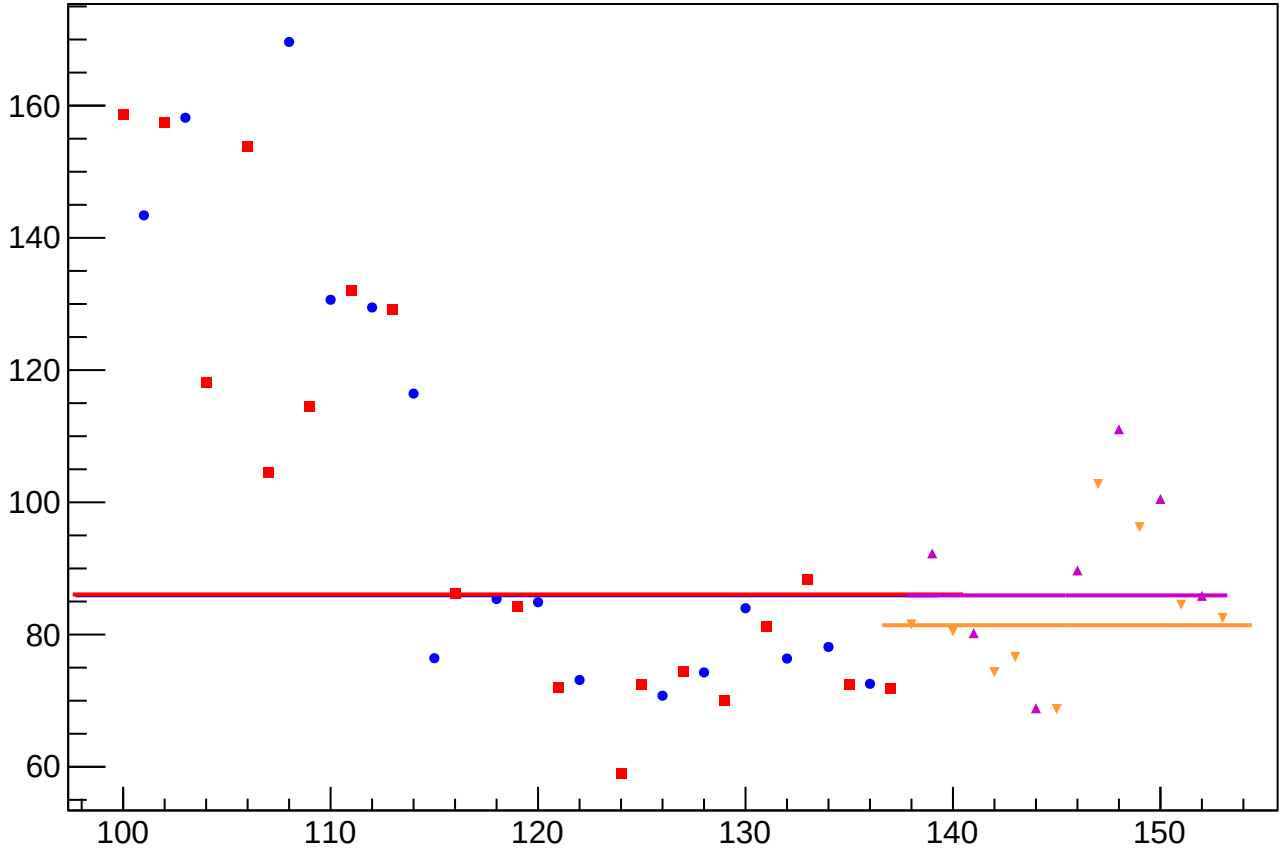
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.064+/-0.024 χ^2/NDF:22.8/22

Out: 0.003+/-0.023 χ^2/NDF:26.2/27

All: -0.028+/-0.017 χ^2/NDF: 53.1/50

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: 81.418+/-0.022 χ^2/NDF:182388.8/8

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 85.928+/-0.025 χ^2/NDF:253038.9/6

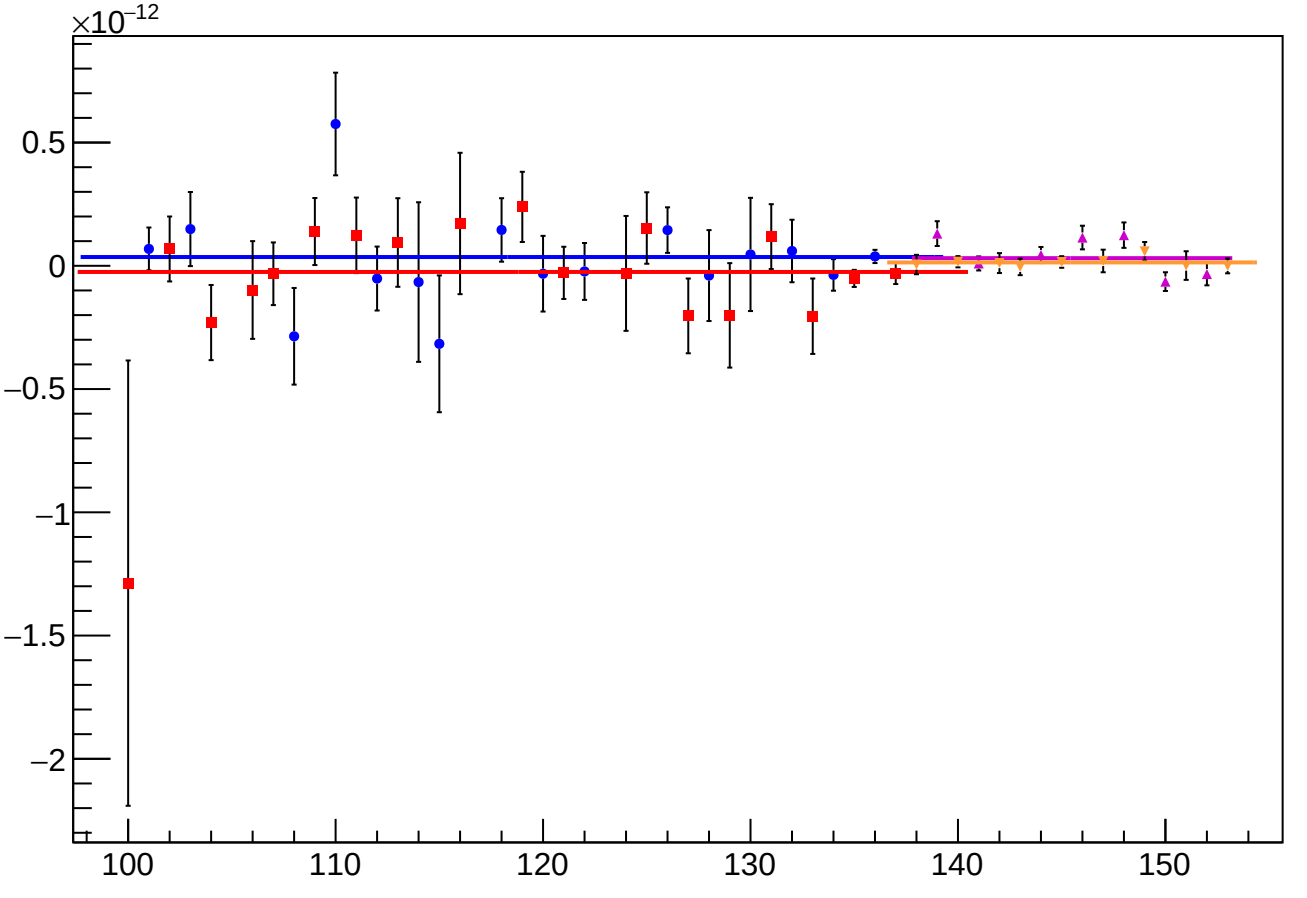
Left: 83.378+/-0.016 χ^2/NDF: 453817.6/15

Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 85.936+/-0.017 χ^2/NDF:1288025.8/22

Out: 83.602+/-0.016 χ^2/NDF:1194893.0/27

All: 84.687+/-0.012 χ^2/NDF: 2492836.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2.0/8

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:19.2/6

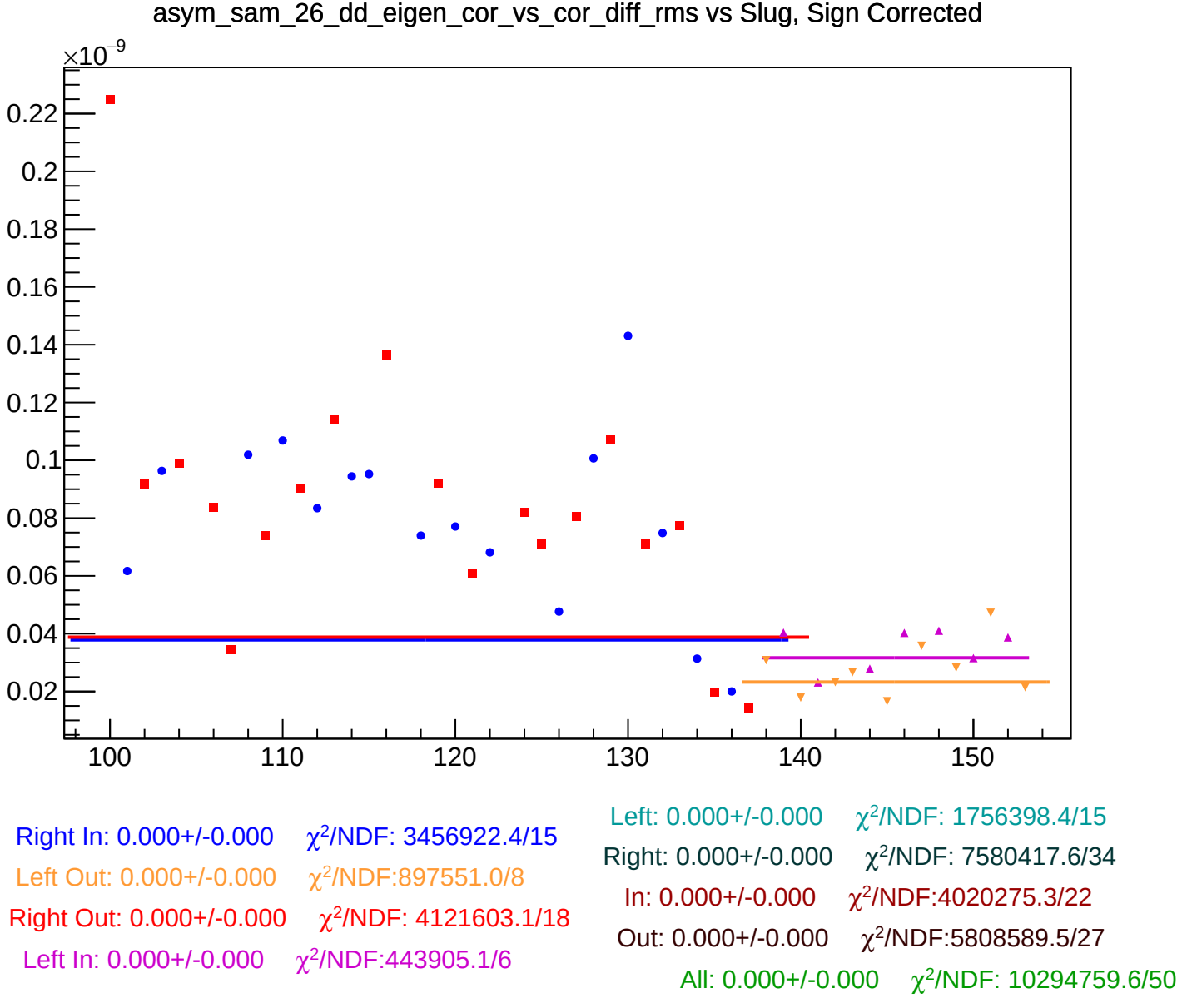
Left: 0.000+/-0.000 χ^2/NDF: 22.1/15

Right: 0.000+/-0.000 χ^2/NDF: 38.2/34

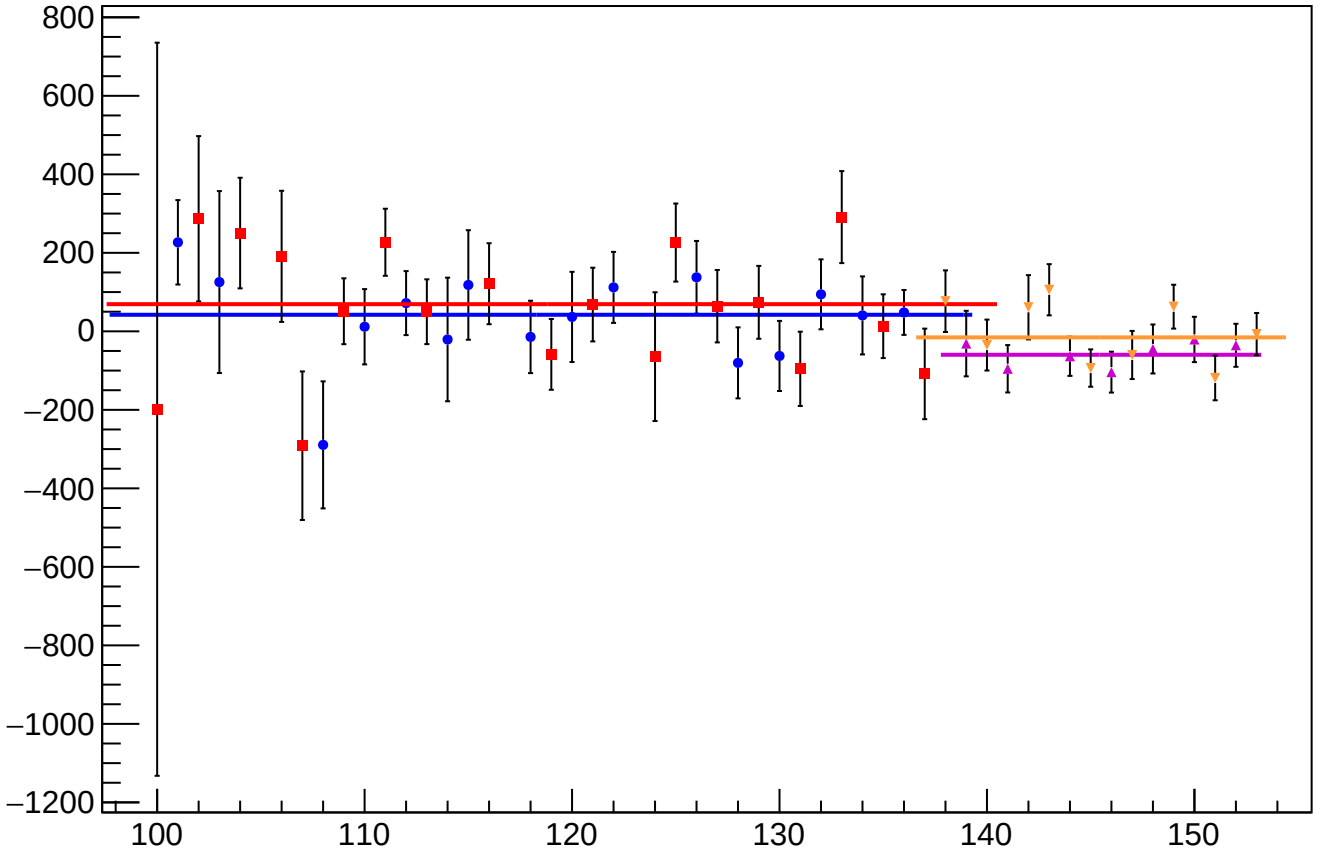
In: 0.000+/-0.000 χ^2/NDF:35.6/22

Out: 0.000+/-0.000 χ^2/NDF:22.4/27

All: 0.000+/-0.000 χ^2/NDF: 60.9/50


asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3456922.4/15
Left Out: 0.000+/-0.000 χ²/NDF:897551.0/8
Right Out: 0.000+/-0.000 χ²/NDF: 4121603.1/18
Left In: 0.000+/-0.000 χ²/NDF:443905.1/6
Left: 0.000+/-0.000 χ²/NDF: 1756398.4/15
Right: 0.000+/-0.000 χ²/NDF: 7580417.6/34
In: 0.000+/-0.000 χ²/NDF:4020275.3/22
Out: 0.000+/-0.000 χ²/NDF:5808589.5/27
All: 0.000+/-0.000 χ²/NDF: 10294759.6/50

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -15.412+/-20.144 χ^2/NDF:14.3/8

Right Out: 69.249+/-24.418 χ^2/NDF: 25.4/18

Left In: -59.709+/-21.941 χ^2/NDF:1.9/6

Left: -35.673+/-14.839 χ^2/NDF: 18.4/15

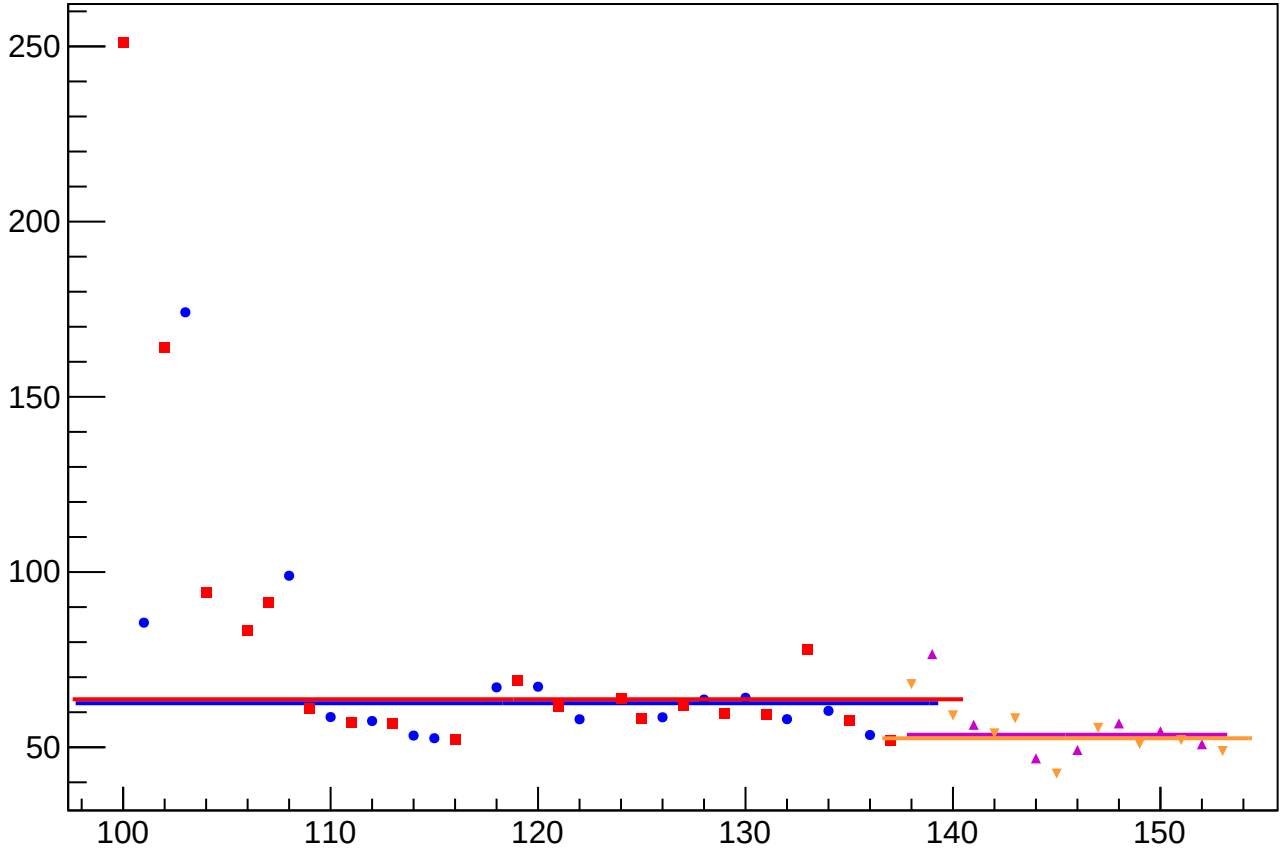
Right: 55.617+/-17.191 χ^2/NDF: 39.5/34

In: -13.739+/-16.257 χ^2/NDF:25.2/22

Out: 18.873+/-15.539 χ^2/NDF:46.8/27

All: 3.303+/-11.233 χ^2/NDF: 74.1/50

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 52.563+/-0.014 χ^2/NDF:219544.9/8

Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 53.577+/-0.016 χ^2/NDF:217662.3/6

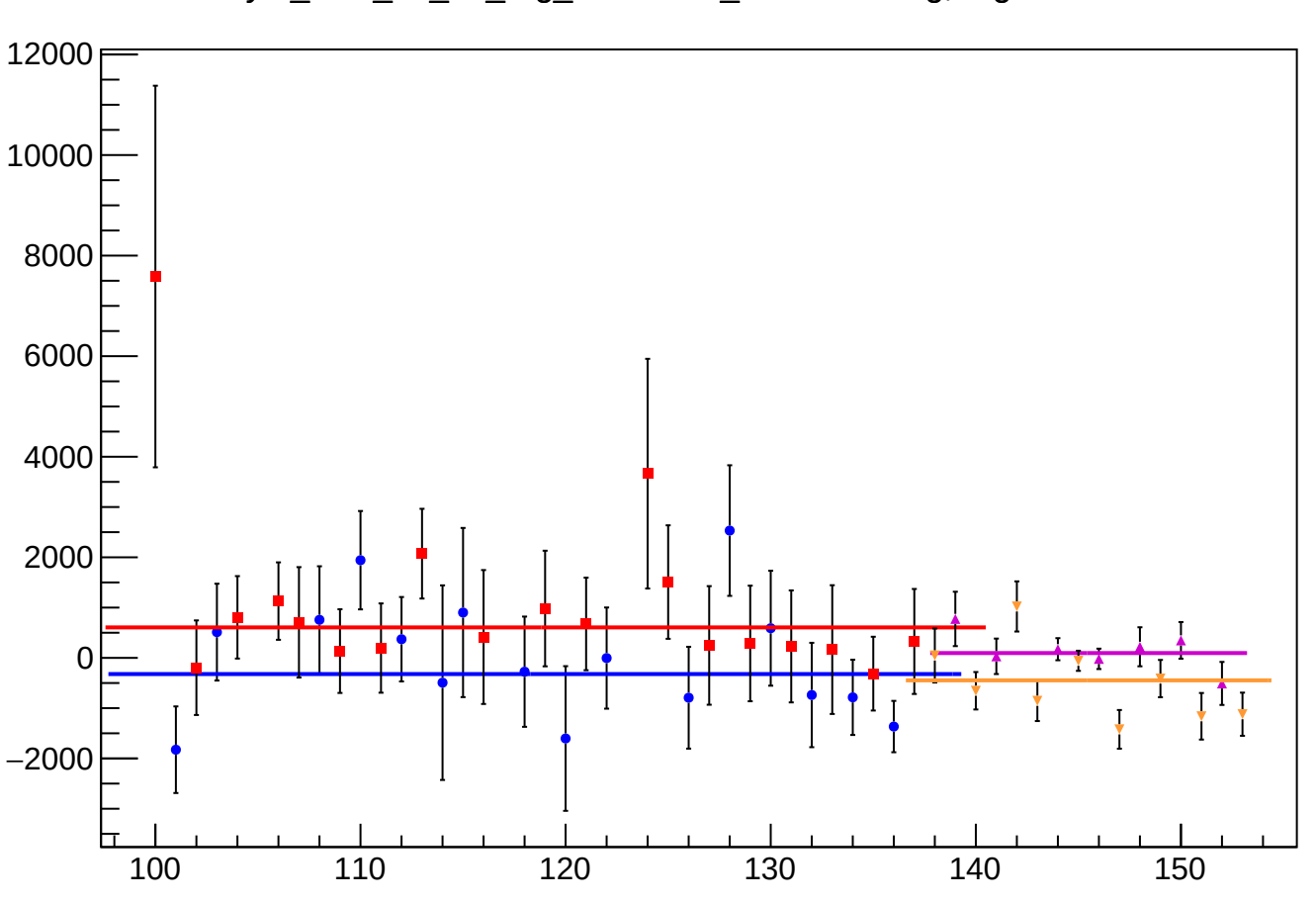
Left: 53.026+/-0.010 χ^2/NDF: 439524.8/15

Right: 63.127+/-0.012 χ^2/NDF: 1594958.1/34

In: 57.631+/-0.011 χ^2/NDF:1127670.7/22

Out: 57.073+/-0.011 χ^2/NDF:1301268.2/27

All: 57.339+/-0.008 χ^2/NDF: 2430170.3/50



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -446.996+/-119.599 χ^2/NDF:25.9/8

Right Out: 605.859+/-233.643 χ^2/NDF: 12.5/18

Left In: 95.899+/-114.561 χ^2/NDF:4.6/6

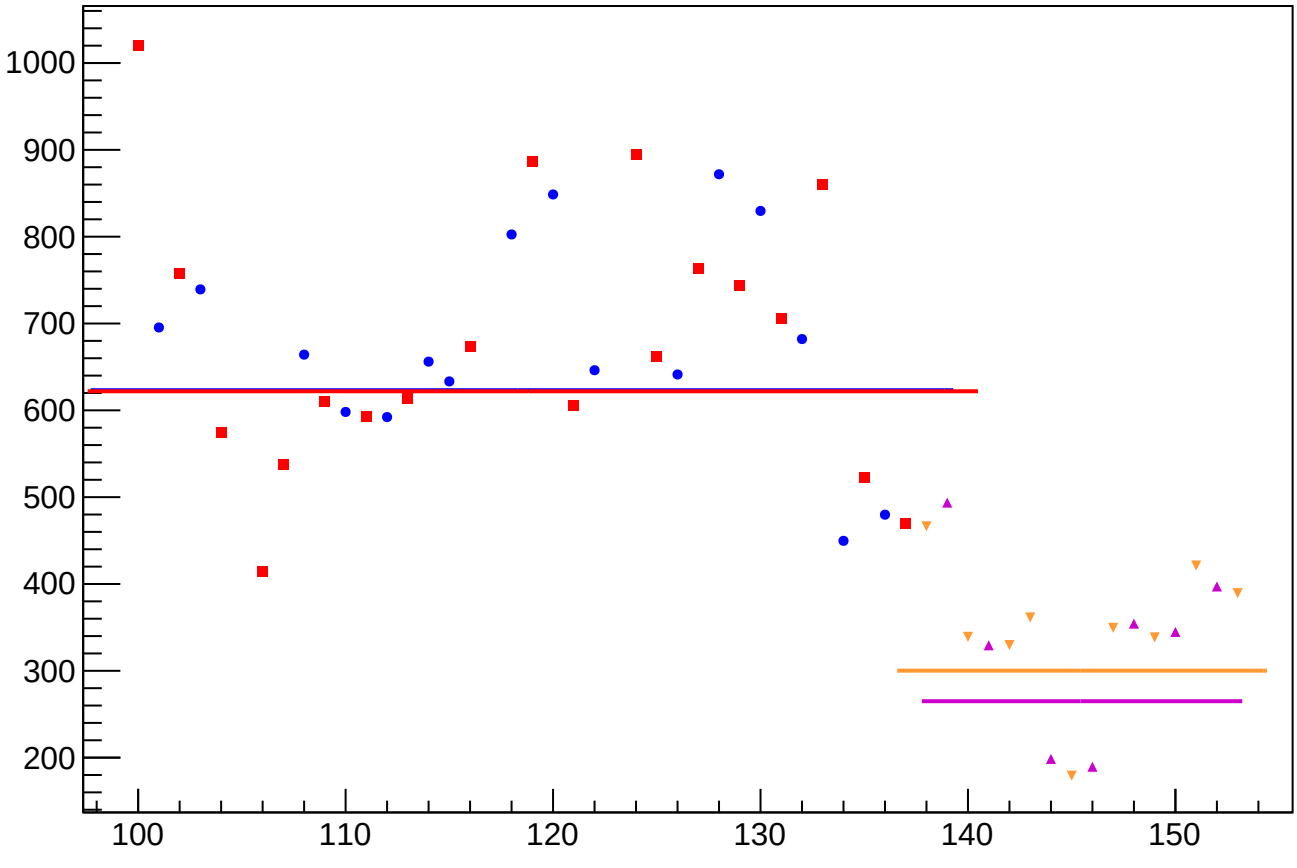
Left: -163.872+/-82.731 χ^2/NDF: 41.3/15

Right: 151.604+/-166.895 χ^2/NDF: 42.9/34

In: 17.609+/-103.264 χ^2/NDF:29.8/22

Out: -228.396+/-106.462 χ^2/NDF:54.5/27

All: -101.643+/-74.123 χ^2/NDF: 87.1/50



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 300.173+/-0.085 χ^2/NDF:1272977.2/8

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

Left In: 265.005+/-0.081 χ^2/NDF:1278207.6/6

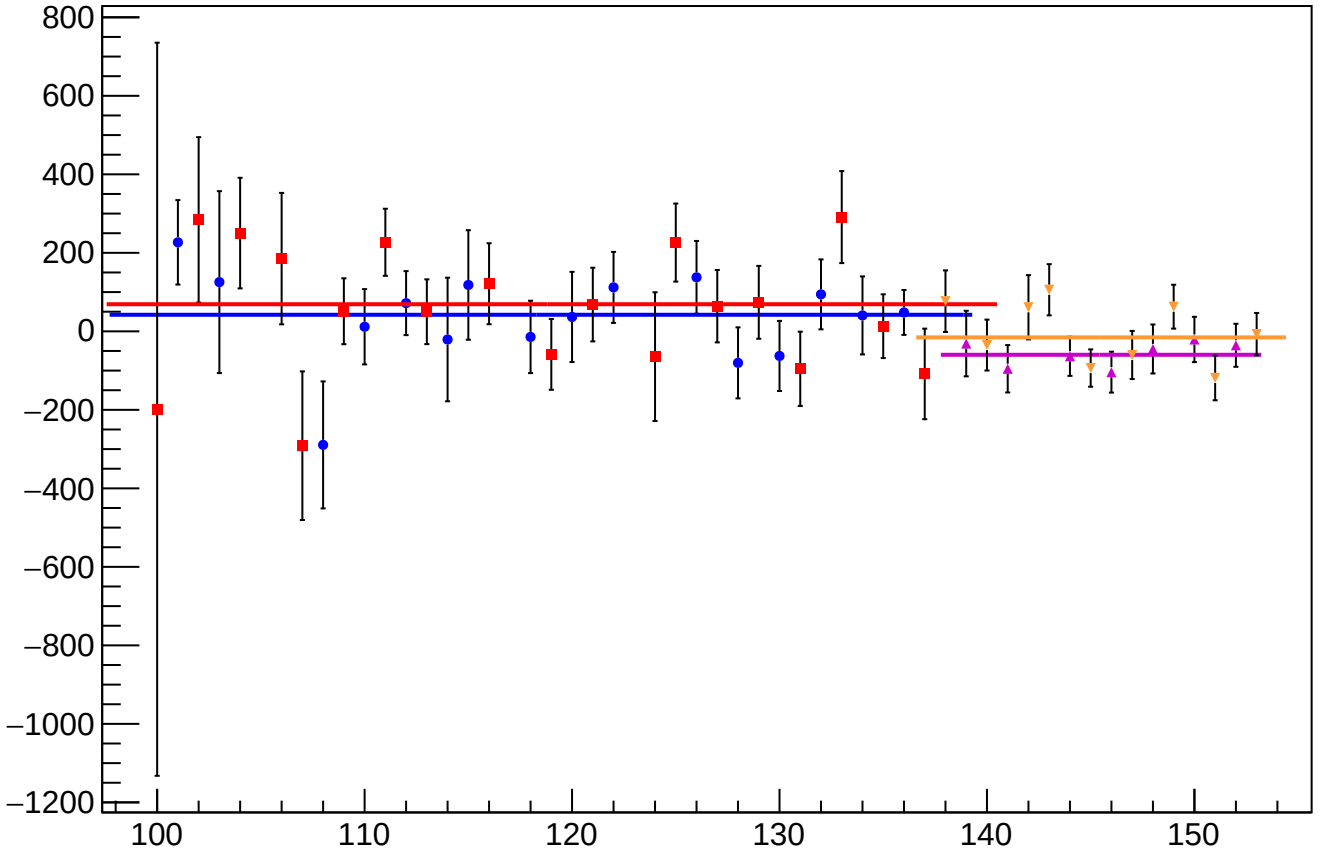
Left: 281.833+/-0.058 χ^2/NDF: 2641364.8/15

Right: 622.565+/-0.118 χ^2/NDF: 1148142.8/34

In: 332.161+/-0.073 χ^2/NDF:5509261.2/22

Out: 366.987+/-0.075 χ^2/NDF:4861867.1/27

All: 349.043+/-0.052 χ^2/NDF: 10481401.0/50



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -15.408+/-20.144 χ^2/NDF:14.3/8

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -59.707+/-21.941 χ^2/NDF:1.9/6

Left: -35.670+/-14.839 χ^2/NDF: 18.4/15

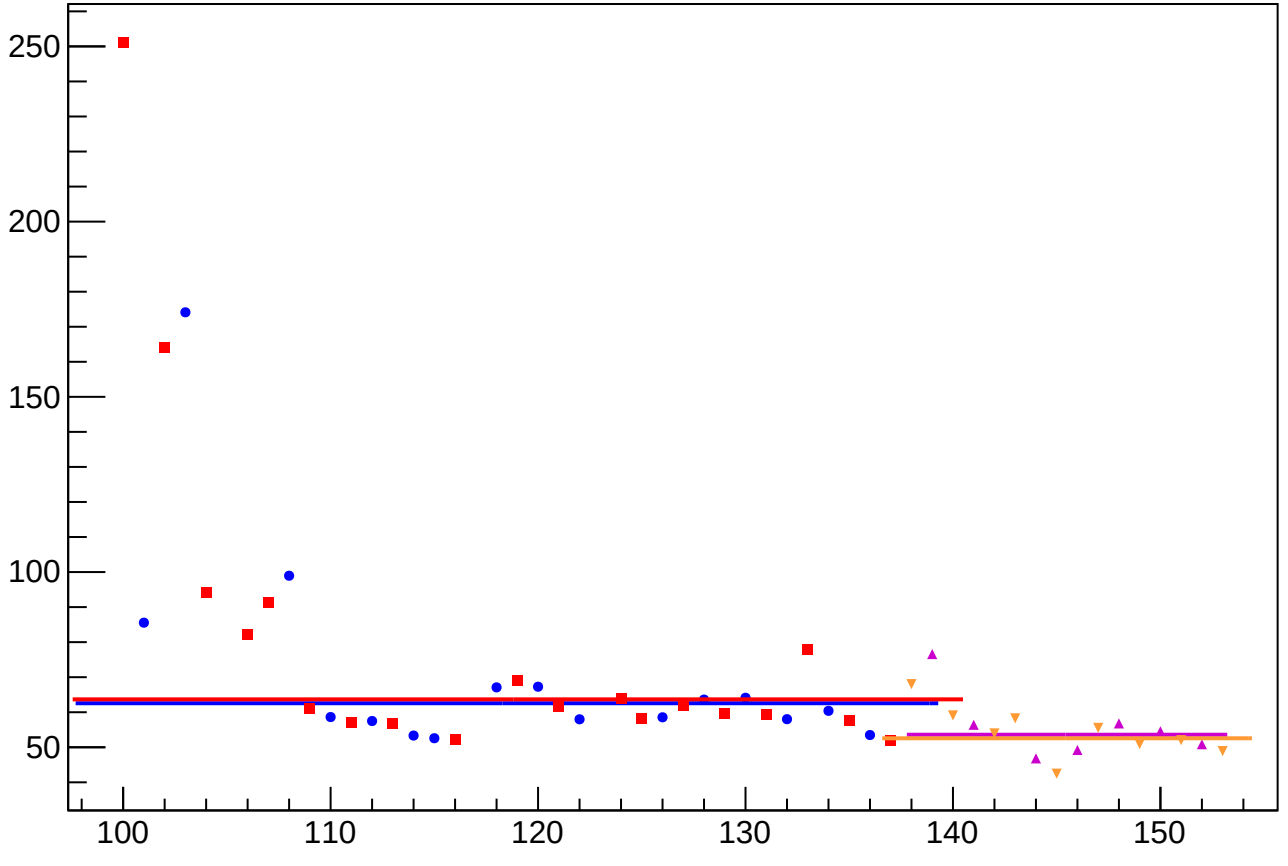
Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -13.740+/-16.257 χ^2/NDF:25.2/22

Out: 18.800+/-15.539 χ^2/NDF:46.7/27

All: 3.263+/-11.233 χ^2/NDF: 74.0/50

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 52.563+/-0.014 χ^2/NDF:219544.9/8

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 53.577+/-0.016 χ^2/NDF:217662.3/6

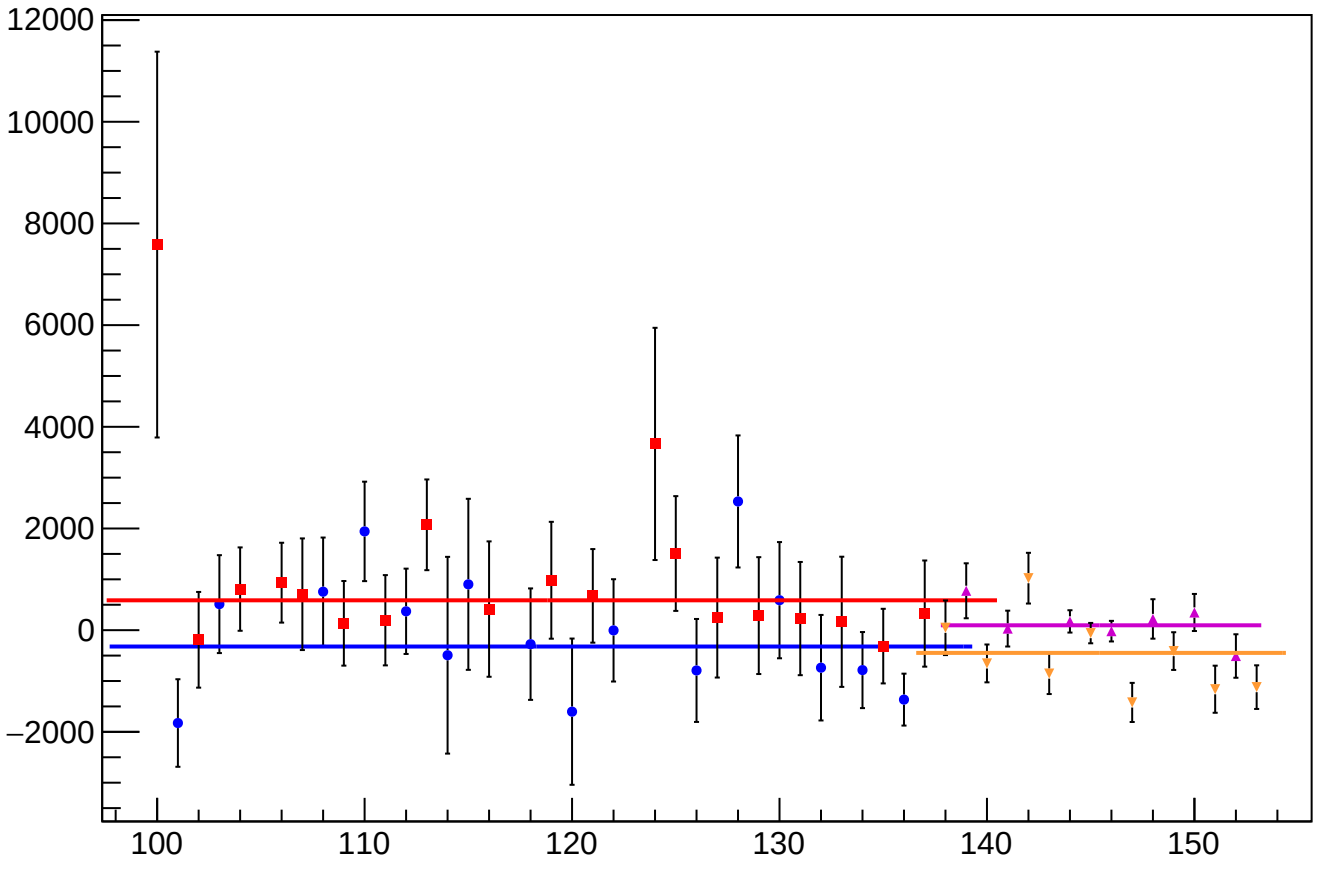
Left: 53.026+/-0.010 χ^2/NDF: 439524.8/15

Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 57.631+/-0.011 χ^2/NDF:1127672.7/22

Out: 57.062+/-0.011 χ^2/NDF:1297430.7/27

All: 57.334+/-0.008 χ^2/NDF: 2426379.9/50



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -446.994+/-119.599 χ^2/NDF:25.9/8

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 95.904+/-114.561 χ^2/NDF:4.6/6

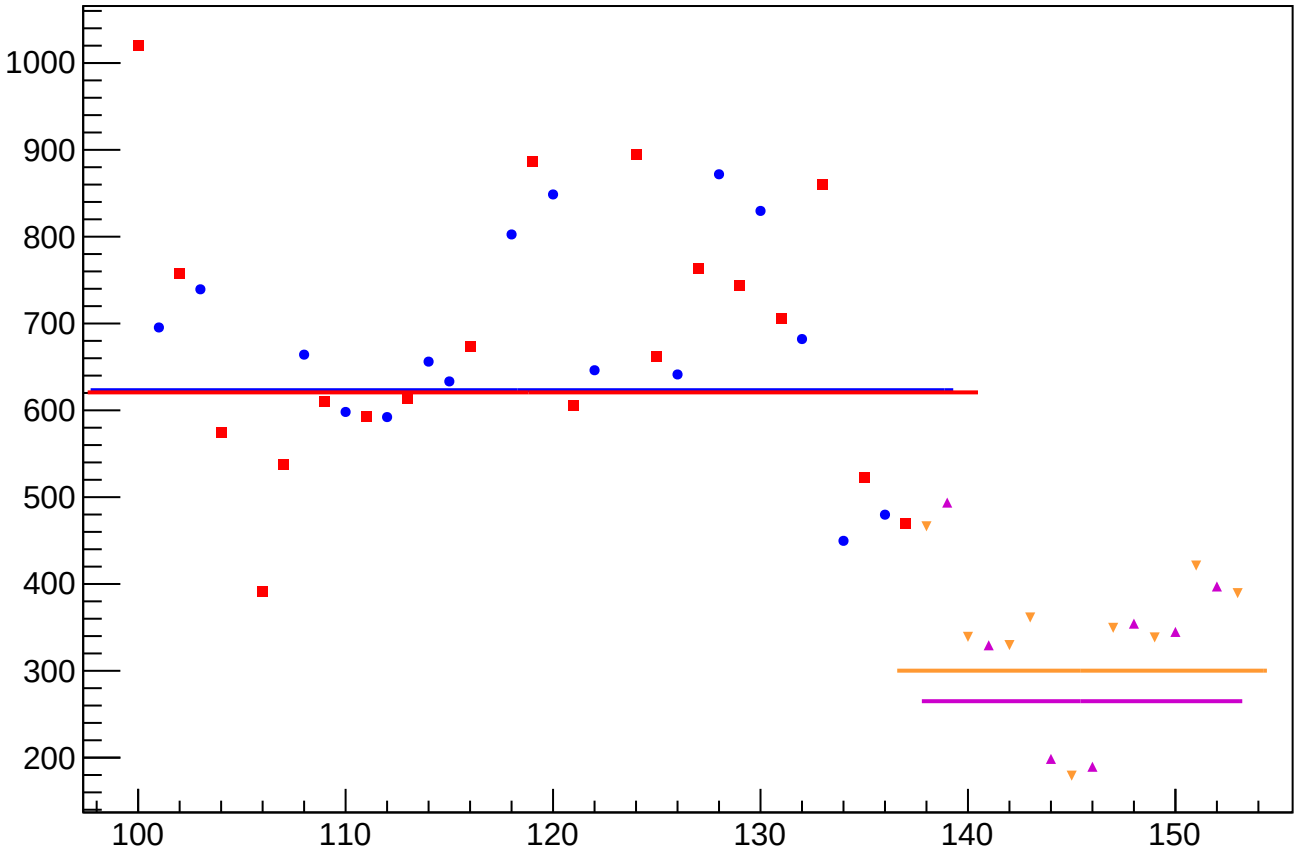
Left: -163.868+/-82.730 χ^2/NDF: 41.3/15

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 17.614+/-103.264 χ^2/NDF:29.8/22

Out: -232.898+/-106.503 χ^2/NDF:53.6/27

All: -103.775+/-74.137 χ^2/NDF: 86.2/50



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 300.172+/-0.085 χ^2/NDF:1272983.1/8

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 265.005+/-0.081 χ^2/NDF:1278212.6/6

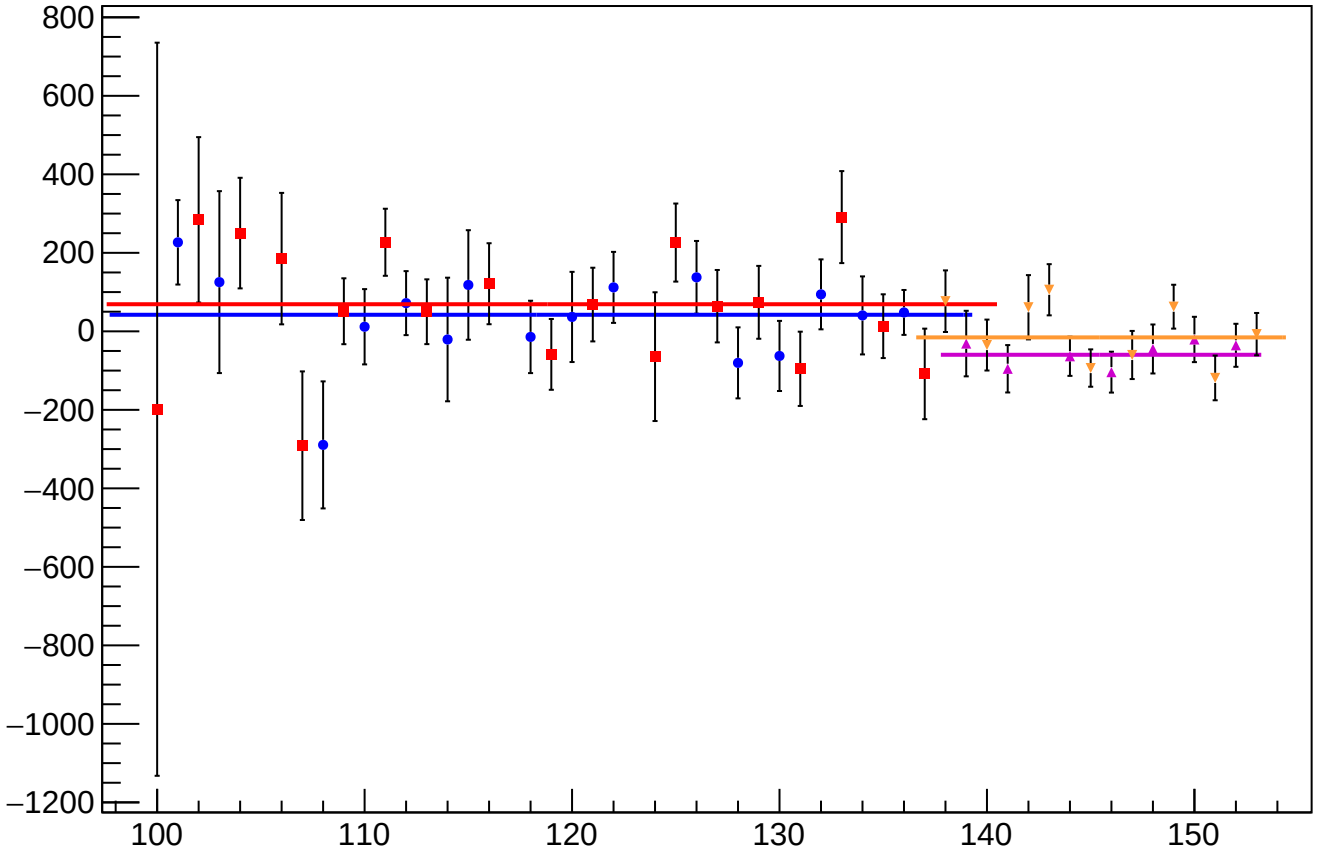
Left: 281.832+/-0.058 χ^2/NDF: 2641375.6/15

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 332.160+/-0.073 χ^2/NDF:5509327.5/22

Out: 366.520+/-0.075 χ^2/NDF:4856720.3/27

All: 348.810+/-0.052 χ^2/NDF: 10473340.5/50



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -15.408+/-20.144 χ^2/NDF:14.3/8

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -59.707+/-21.941 χ^2/NDF:1.9/6

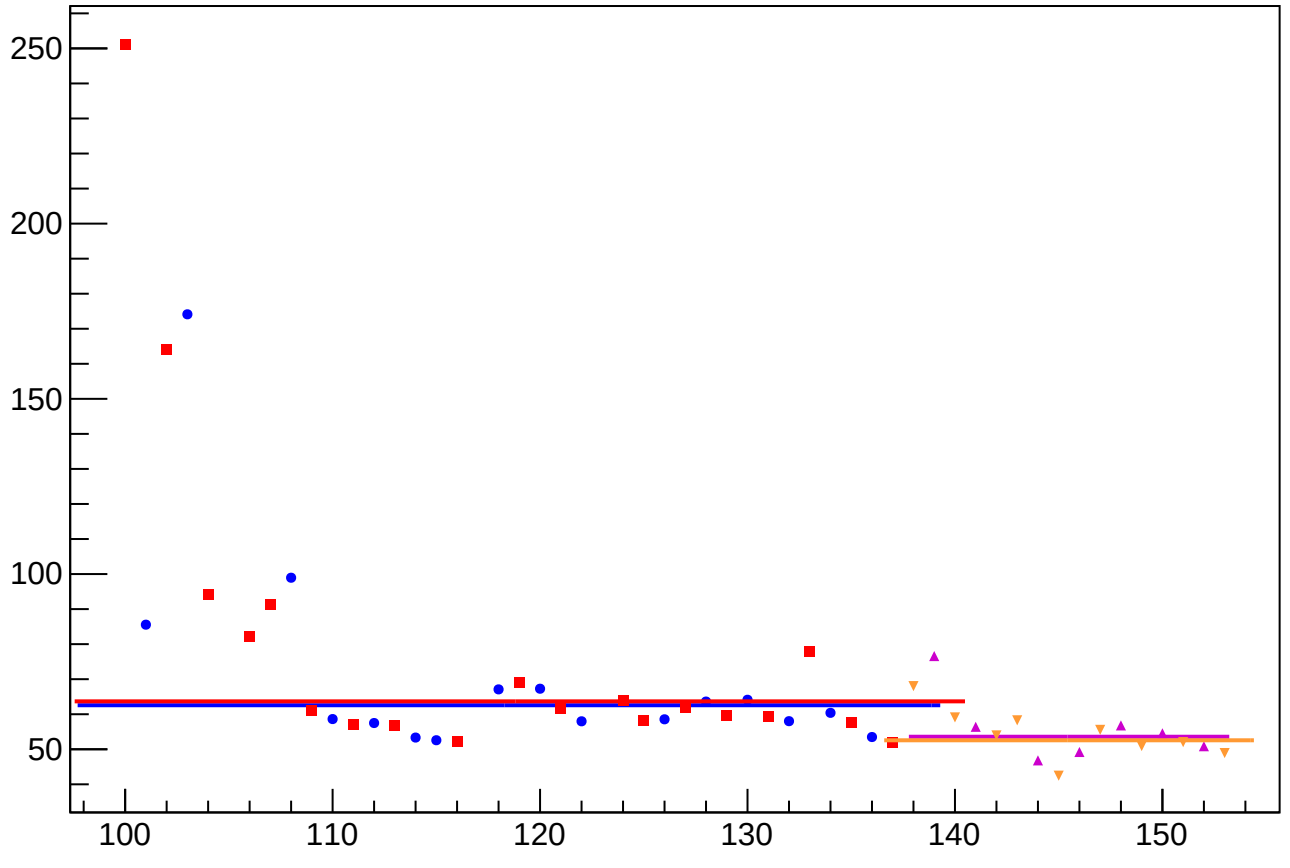
Left: -35.670+/-14.839 χ^2/NDF: 18.4/15

Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -13.740+/-16.257 χ^2/NDF:25.2/22

Out: 18.800+/-15.539 χ^2/NDF:46.7/27

All: 3.263+/-11.233 χ^2/NDF: 74.0/50



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 52.563+/-0.014 χ^2/NDF:219544.9/8

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 53.577+/-0.016 χ^2/NDF:217662.3/6

Left: 53.026+/-0.010 χ^2/NDF: 439524.8/15

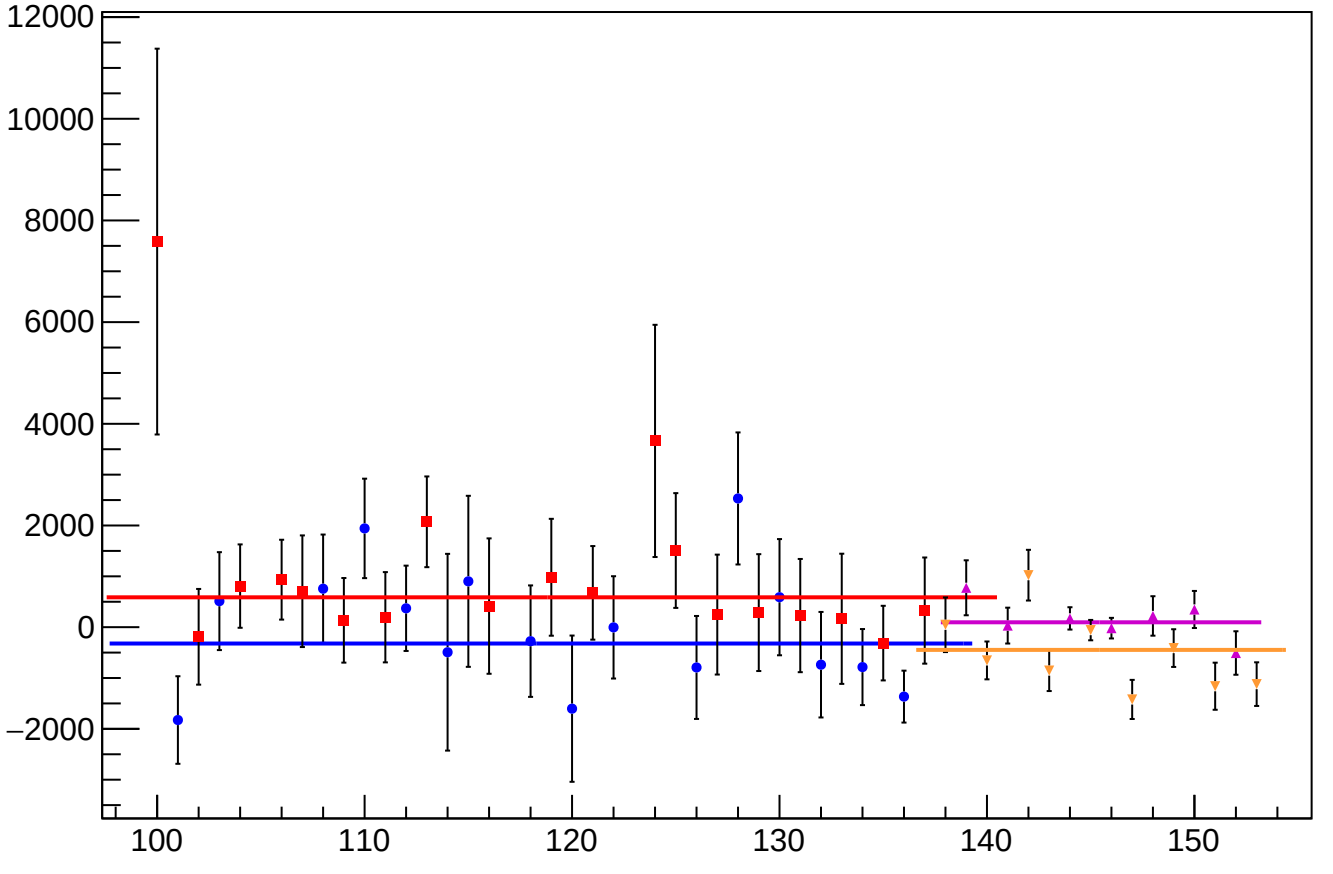
Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 57.631+/-0.011 χ^2/NDF:1127672.7/22

Out: 57.062+/-0.011 χ^2/NDF:1297430.7/27

All: 57.334+/-0.008 χ^2/NDF: 2426379.9/50

asym_sam_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -446.994+/-119.599 χ^2/NDF:25.9/8

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 95.904+/-114.561 χ^2/NDF:4.6/6

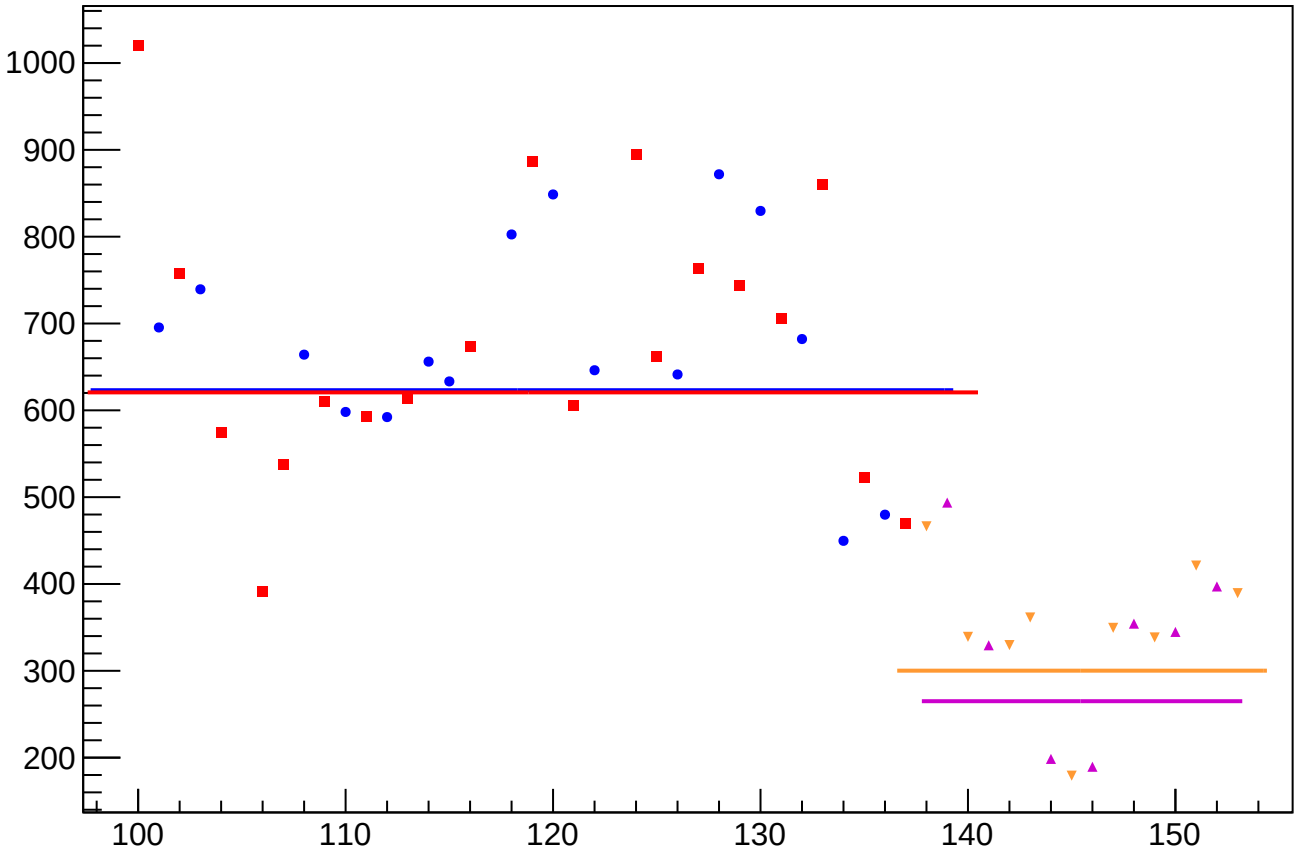
Left: -163.868+/-82.730 χ^2/NDF: 41.3/15

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 17.614+/-103.264 χ^2/NDF:29.8/22

Out: -232.898+/-106.503 χ^2/NDF:53.6/27

All: -103.775+/-74.137 χ^2/NDF: 86.2/50



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 300.172+/-0.085 χ^2/NDF:1272983.1/8

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 265.005+/-0.081 χ^2/NDF:1278212.6/6

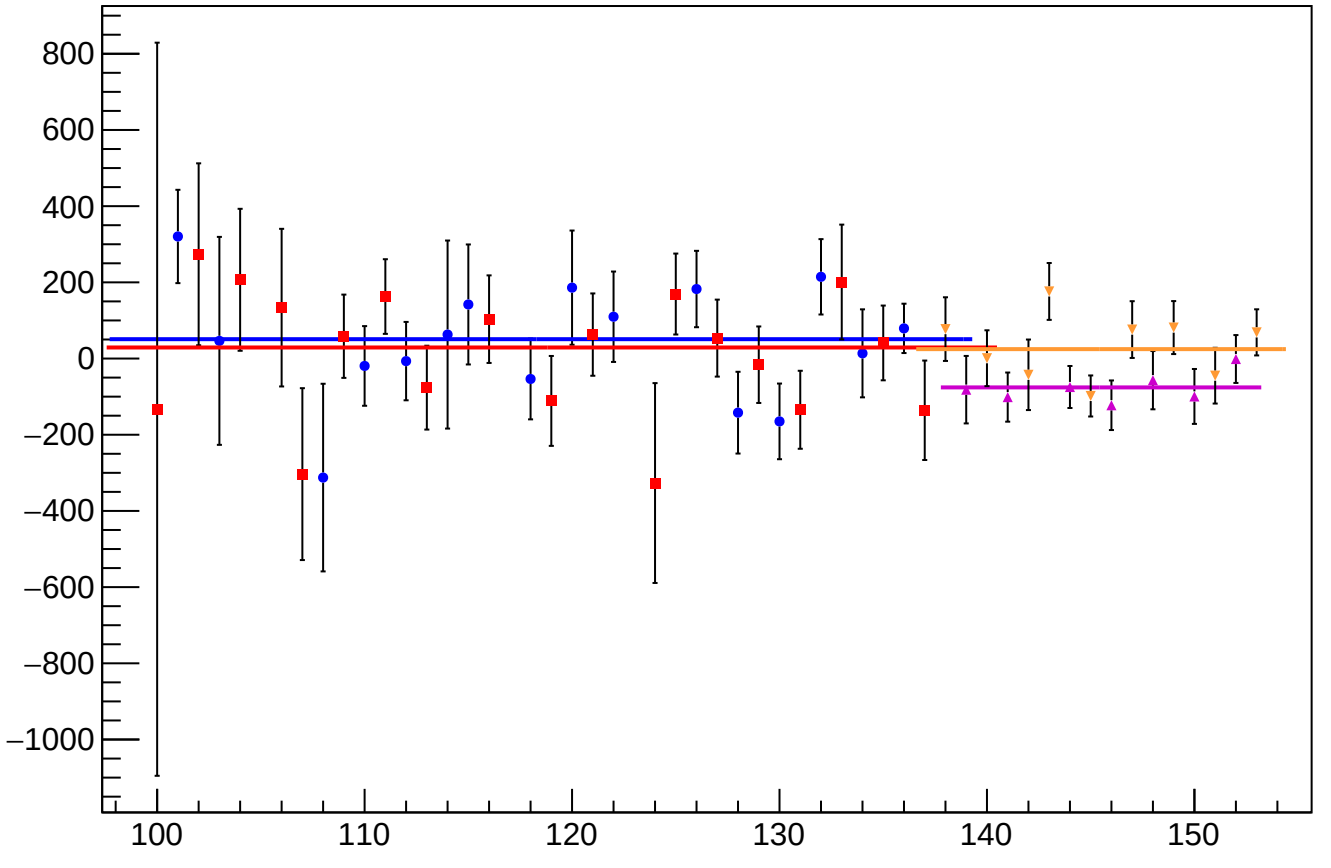
Left: 281.832+/-0.058 χ^2/NDF: 2641375.6/15

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 332.160+/-0.073 χ^2/NDF:5509327.5/22

Out: 366.520+/-0.075 χ^2/NDF:4856720.3/27

All: 348.810+/-0.052 χ^2/NDF: 10473340.5/50



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: 24.718+/-23.462 χ^2/NDF:12.9/8

Right Out: 29.040+/-28.910 χ^2/NDF: 18.5/18

Left In: -75.765+/-25.399 χ^2/NDF:2.3/6

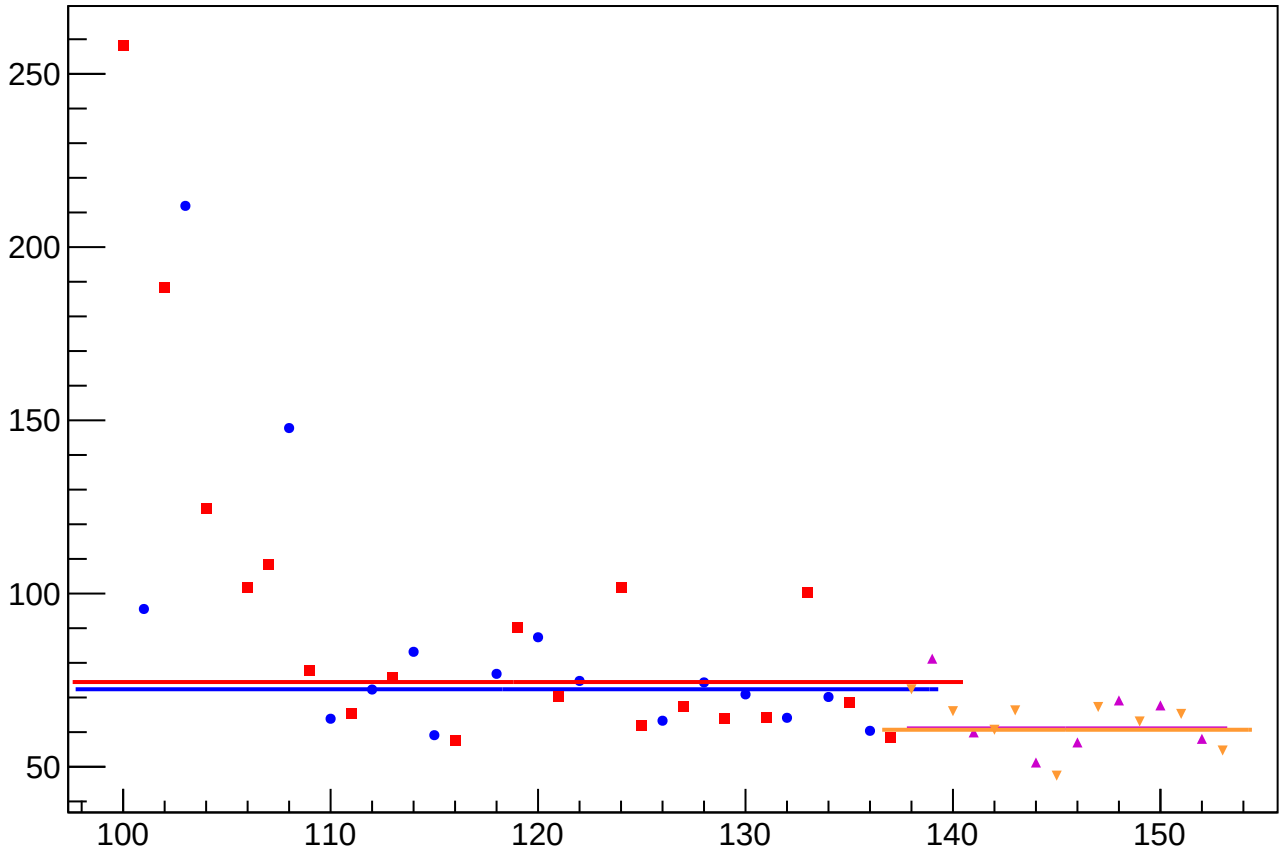
Left: -21.546+/-17.234 χ^2/NDF: 23.6/15

Right: 40.166+/-20.229 χ^2/NDF: 41.7/34

In: -19.317+/-18.908 χ^2/NDF:36.2/22

Out: 26.434+/-18.217 χ^2/NDF:31.4/27

All: 4.408+/-13.119 χ^2/NDF: 70.7/50



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 60.688+/-0.017 χ^2/NDF:227234.7/8

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 61.076+/-0.018 χ^2/NDF:219269.1/6

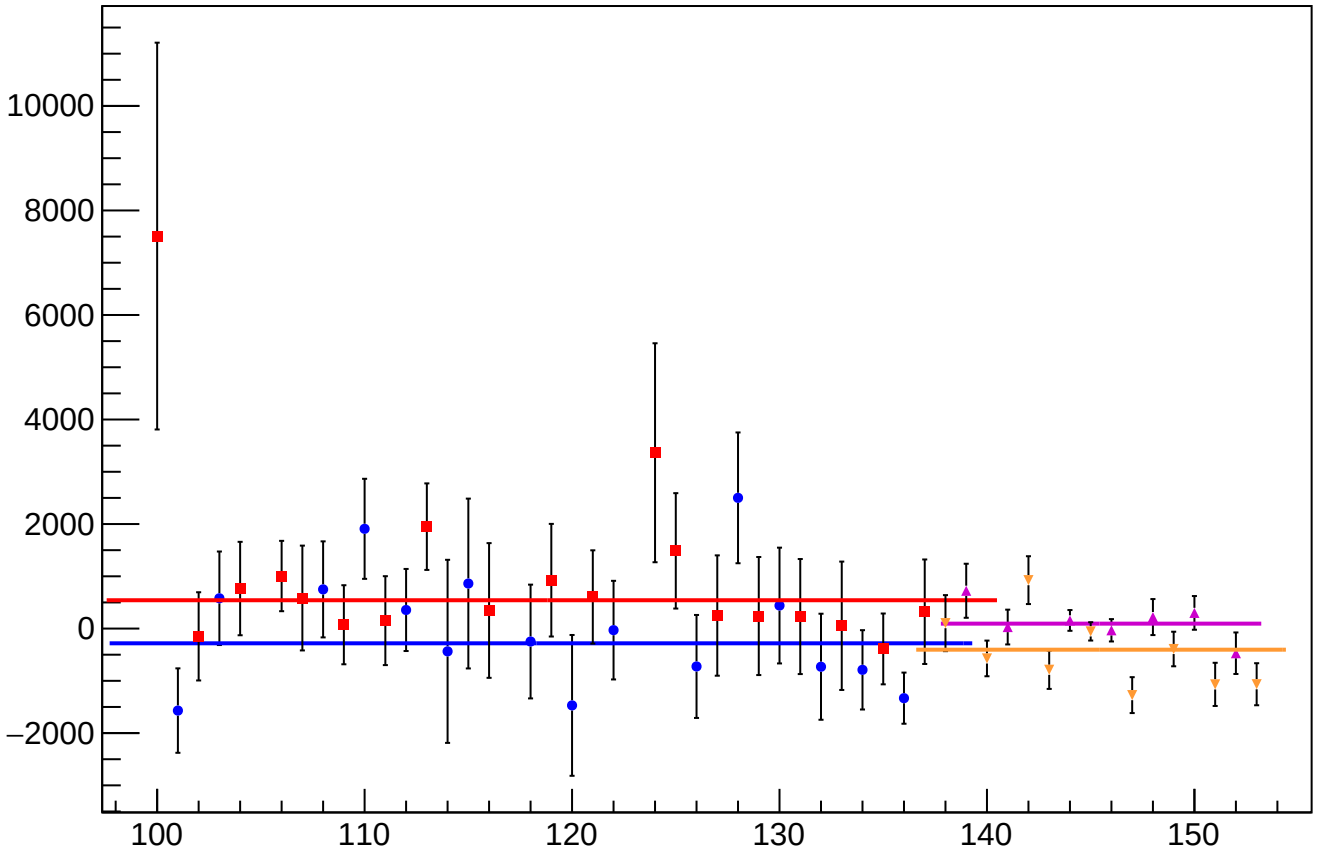
Left: 60.867+/-0.012 χ^2/NDF: 446755.2/15

Right: 73.399+/-0.014 χ^2/NDF: 1995784.4/34

In: 66.115+/-0.013 χ^2/NDF:1334005.0/22

Out: 66.158+/-0.013 χ^2/NDF:1553311.5/27

All: 66.137+/-0.009 χ^2/NDF: 2887321.9/50



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -404.188+/-107.563 χ^2/NDF:26.4/8

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 94.222+/-108.893 χ^2/NDF:4.5/6

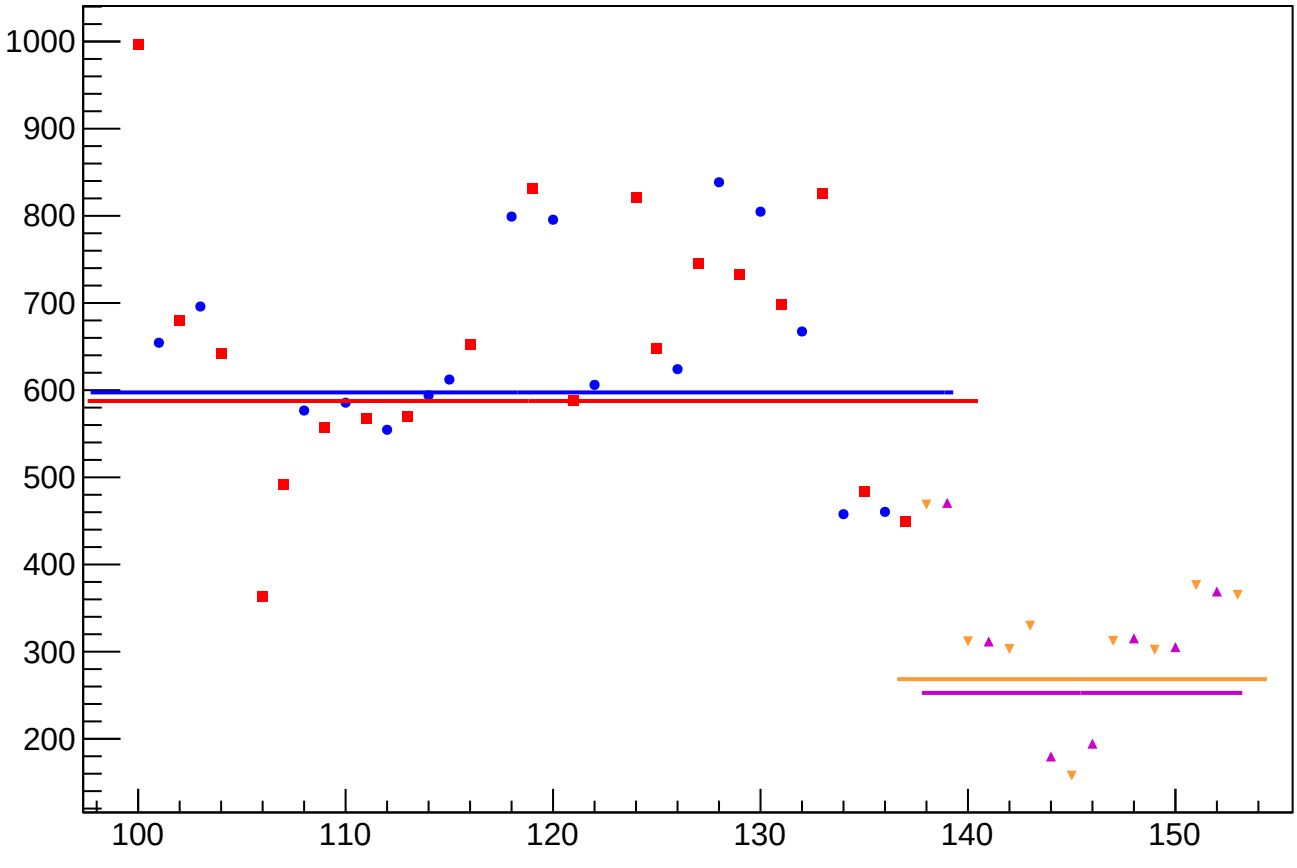
Left: -158.045+/-76.524 χ^2/NDF: 41.5/15

Right: 142.636+/-158.581 χ^2/NDF: 42.8/34

In: 24.232+/-98.244 χ^2/NDF:29.6/22

Out: -222.843+/-96.708 χ^2/NDF:54.5/27

All: -101.253+/-68.920 χ^2/NDF: 87.2/50



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 268.479+/-0.076 χ^2/NDF:1480727.0/8

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

Left In: 252.692+/-0.077 χ^2/NDF:1126681.1/6

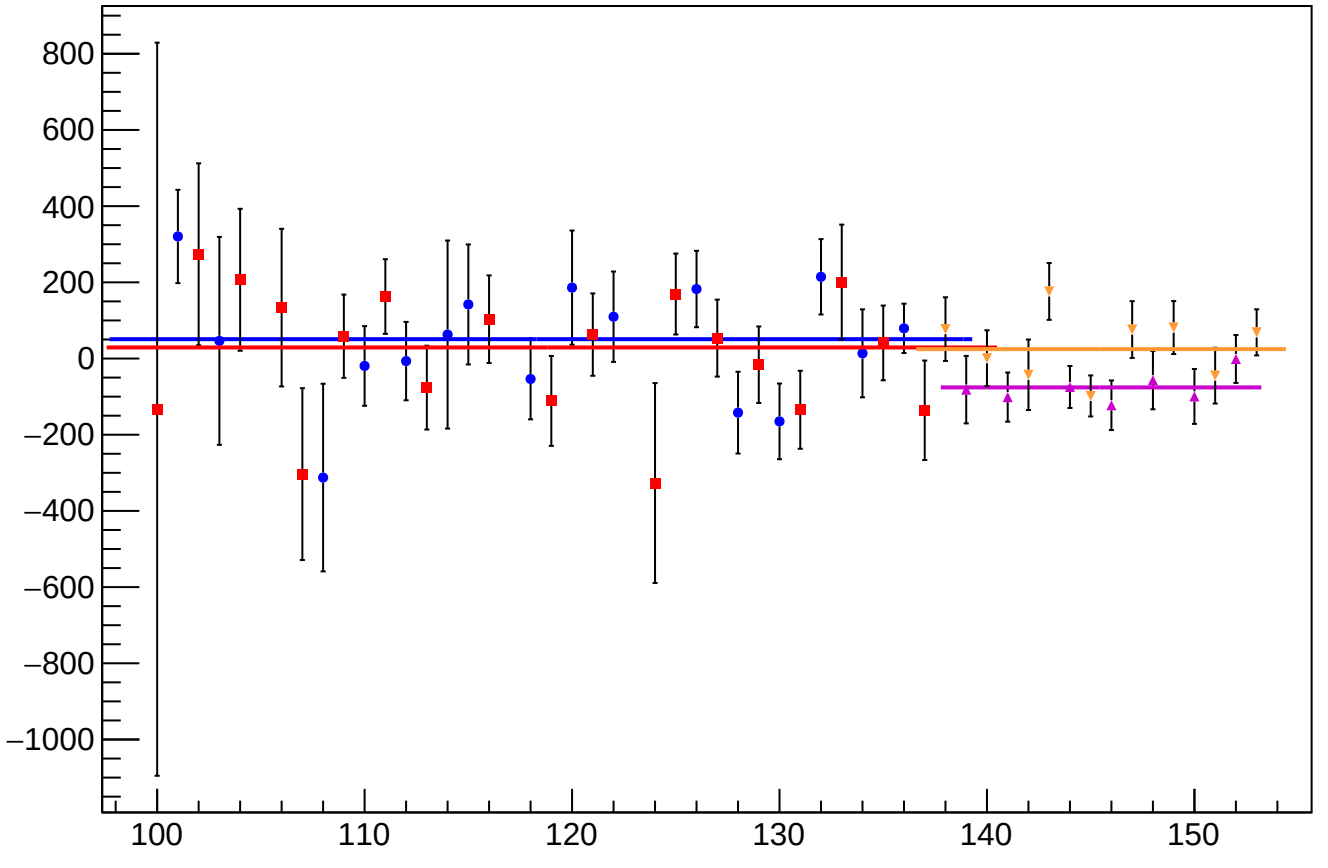
Left: 260.683+/-0.054 χ^2/NDF: 2628684.8/15

Right: 592.350+/-0.112 χ^2/NDF: 1224764.0/34

In: 316.820+/-0.069 χ^2/NDF:5389342.6/22

Out: 329.633+/-0.068 χ^2/NDF:5542906.1/27

All: 323.328+/-0.049 χ^2/NDF: 10949525.2/50



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: 24.719+/-23.462 χ^2/NDF:12.9/8

Right Out: 29.038+/-28.910 χ^2/NDF: 18.5/18

Left In: -75.765+/-25.400 χ^2/NDF:2.3/6

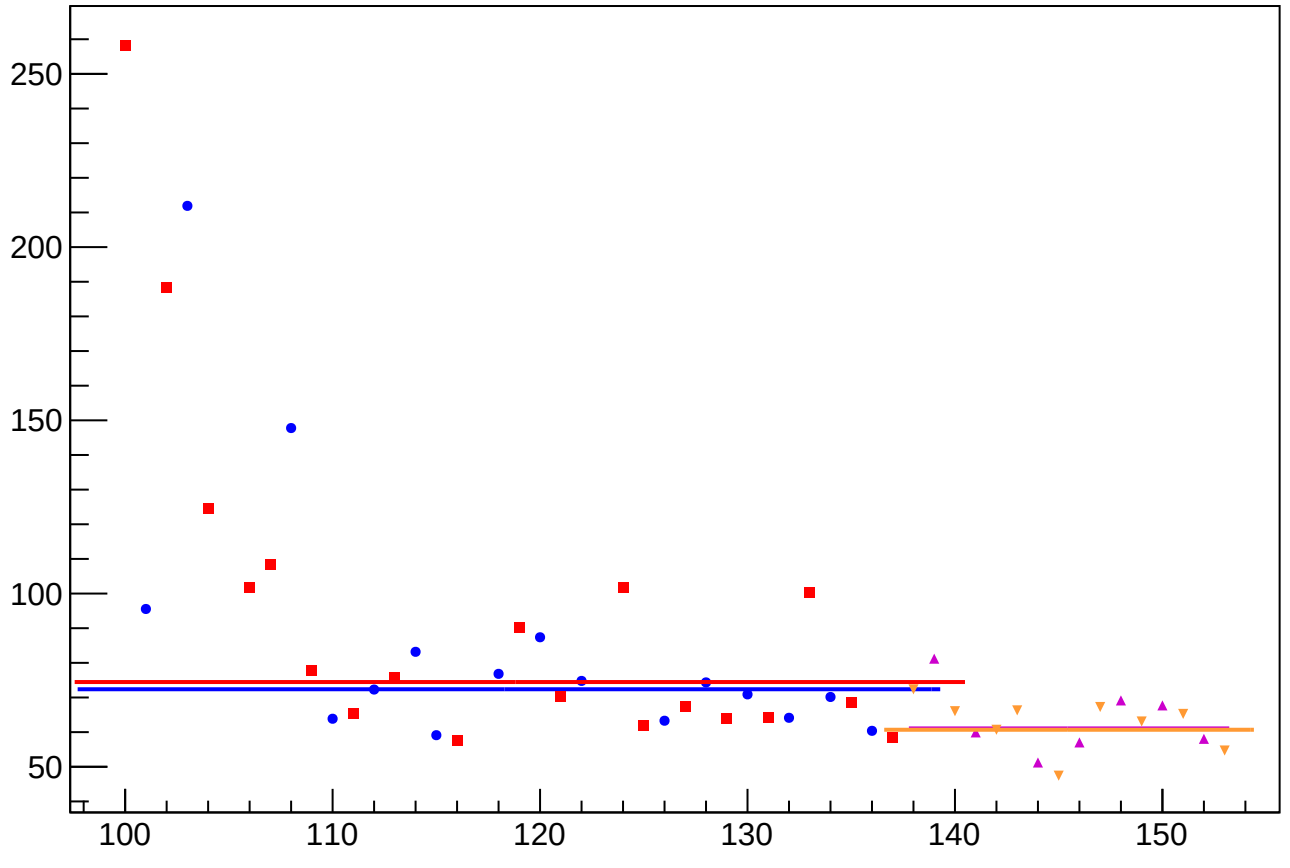
Left: -21.545+/-17.234 χ^2/NDF: 23.6/15

Right: 40.165+/-20.229 χ^2/NDF: 41.7/34

In: -19.317+/-18.908 χ^2/NDF:36.2/22

Out: 26.434+/-18.218 χ^2/NDF:31.4/27

All: 4.409+/-13.119 χ^2/NDF: 70.7/50



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 60.688+/-0.017 χ^2/NDF:227244.8/8

Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 61.076+/-0.018 χ^2/NDF:219272.0/6

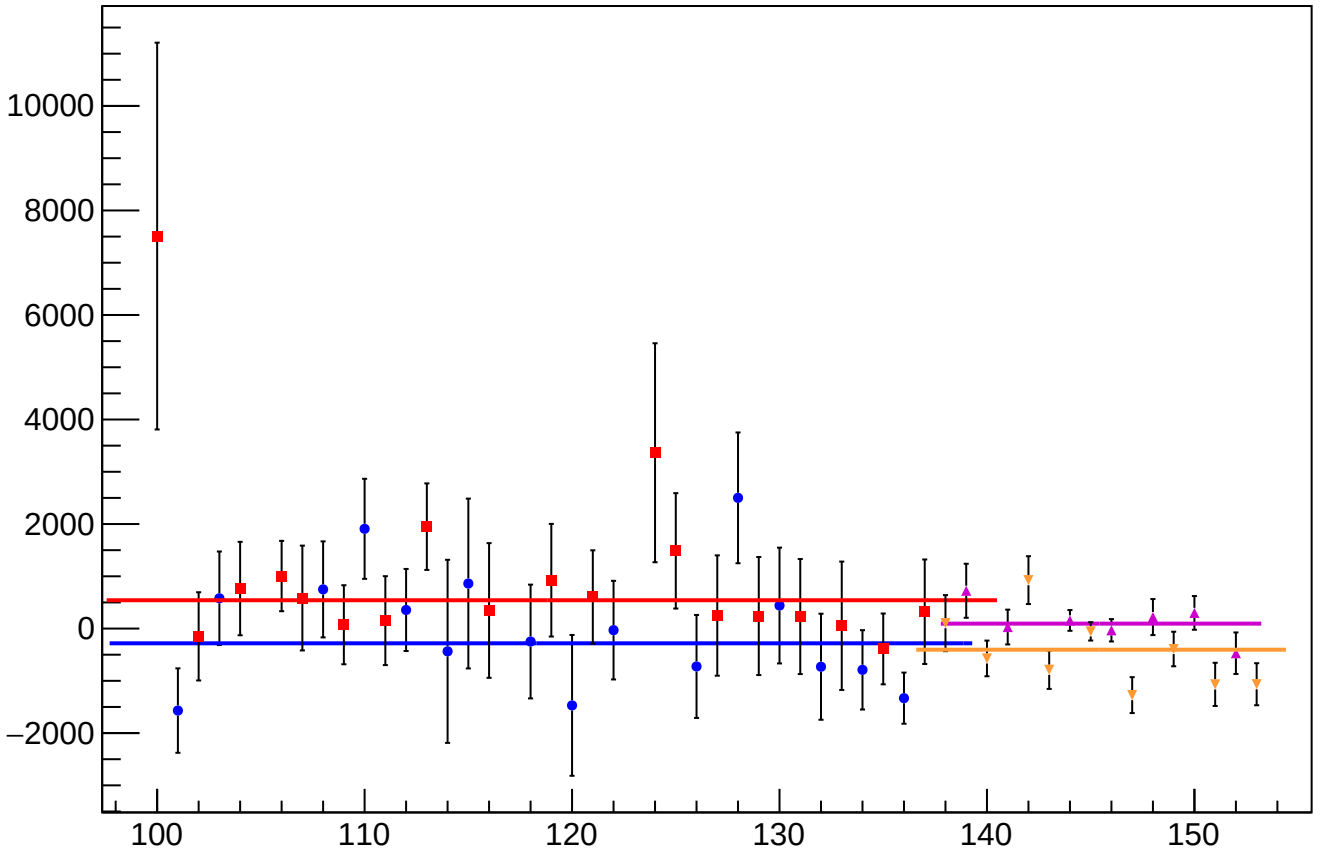
Left: 60.867+/-0.012 χ^2/NDF: 446768.1/15

Right: 73.399+/-0.014 χ^2/NDF: 1995782.9/34

In: 66.115+/-0.013 χ^2/NDF:1334003.4/22

Out: 66.158+/-0.013 χ^2/NDF:1553302.5/27

All: 66.137+/-0.009 χ^2/NDF: 2887311.3/50



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -404.188+/-107.563 χ^2/NDF:26.4/8

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 94.222+/-108.893 χ^2/NDF:4.5/6

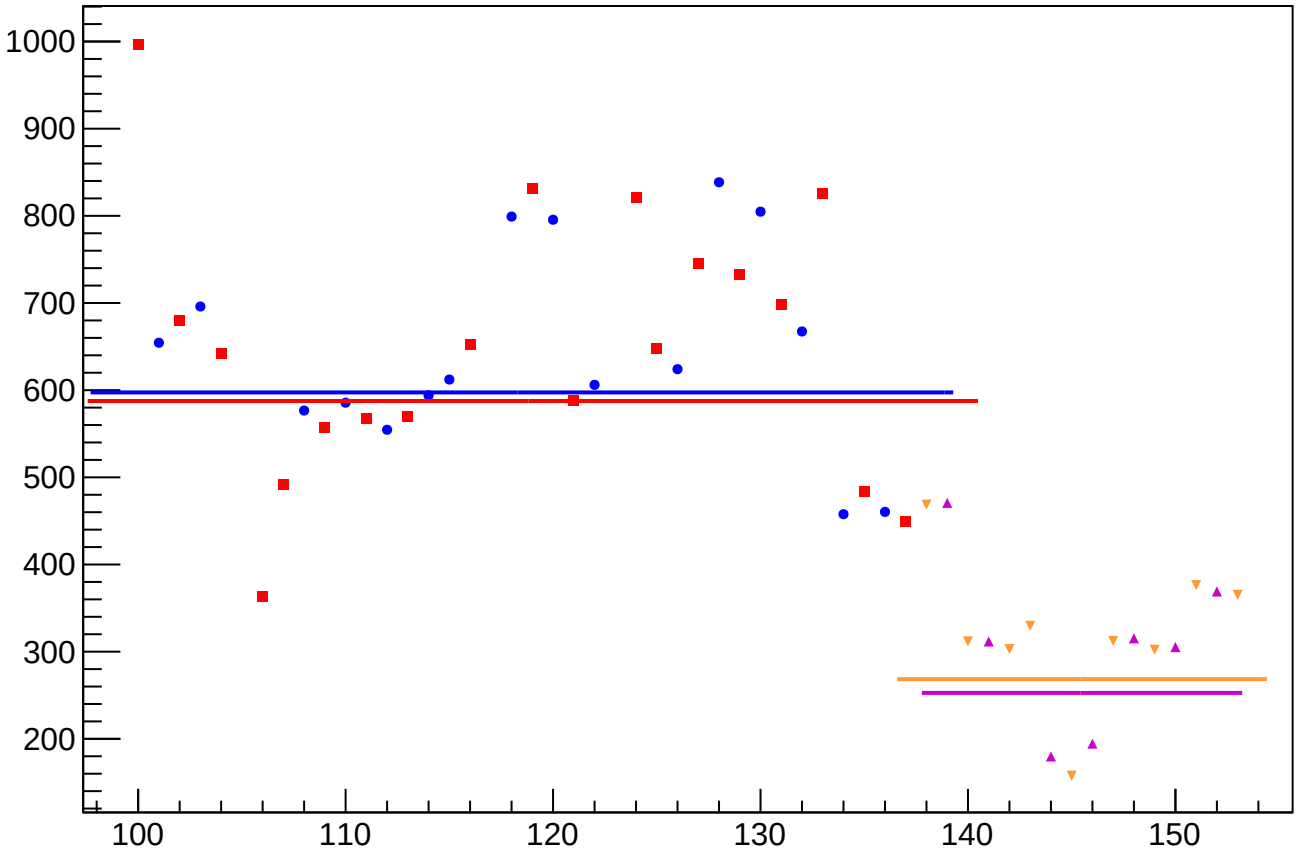
Left: -158.046+/-76.524 χ^2/NDF: 41.5/15

Right: 142.637+/-158.581 χ^2/NDF: 42.8/34

In: 24.232+/-98.244 χ^2/NDF:29.6/22

Out: -222.844+/-96.708 χ^2/NDF:54.5/27

All: -101.253+/-68.920 χ^2/NDF: 87.2/50



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 268.479+/-0.076 χ^2/NDF:1480718.6/8

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

Left In: 252.692+/-0.077 χ^2/NDF:1126676.2/6

Left: 260.683+/-0.054 χ^2/NDF: 2628671.7/15

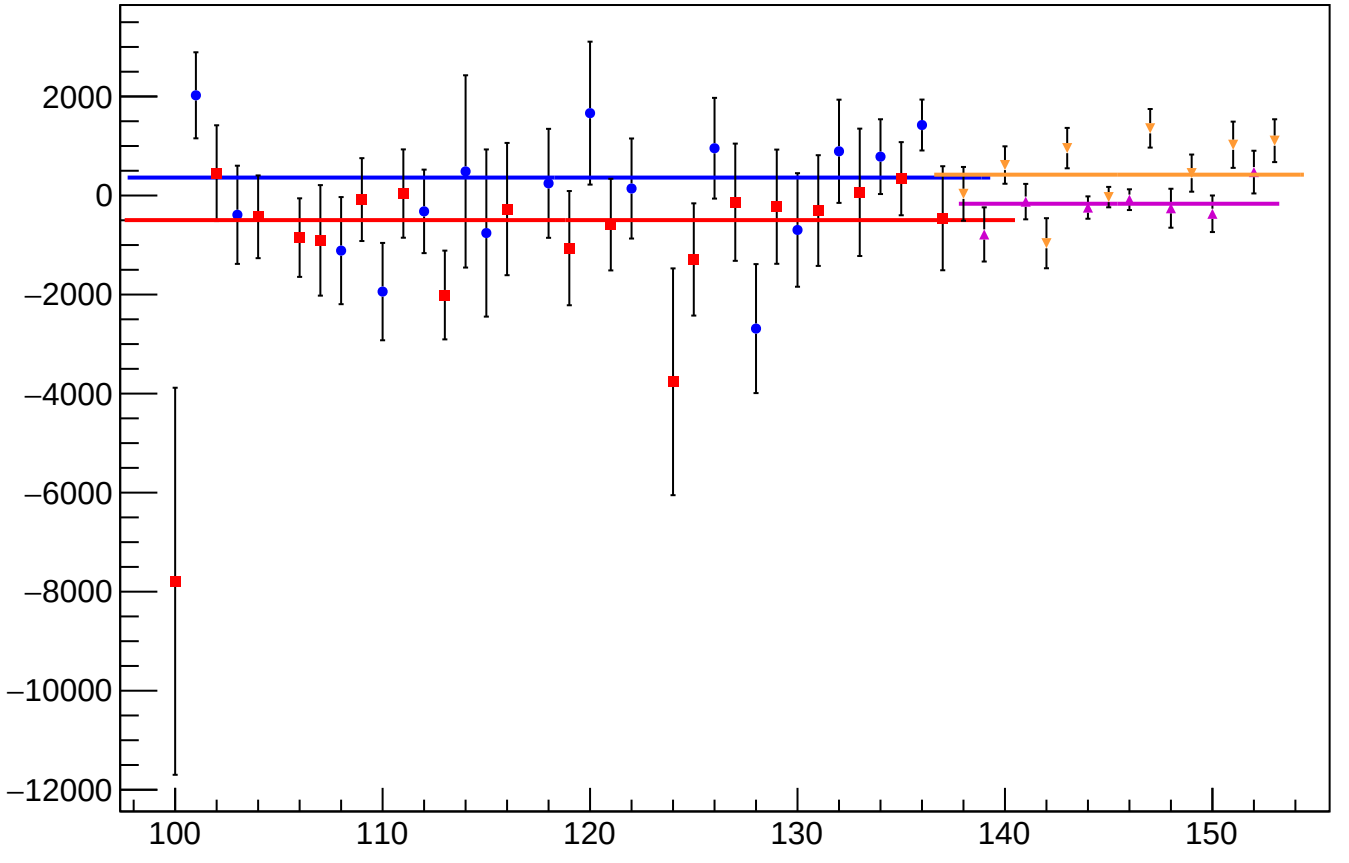
Right: 592.350+/-0.112 χ^2/NDF: 1224760.1/34

In: 316.820+/-0.069 χ^2/NDF:5389346.4/22

Out: 329.633+/-0.068 χ^2/NDF:5542896.7/27

All: 323.328+/-0.049 χ^2/NDF: 10949519.7/50

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 421.080+/-121.714 χ^2/NDF:24.8/8

Right Out: -496.639+/-236.029 χ^2/NDF: 12.7/18

Left In: -166.174+/-117.255 χ^2/NDF:4.1/6

Left: 116.499+/-84.444 χ^2/NDF: 41.0/15

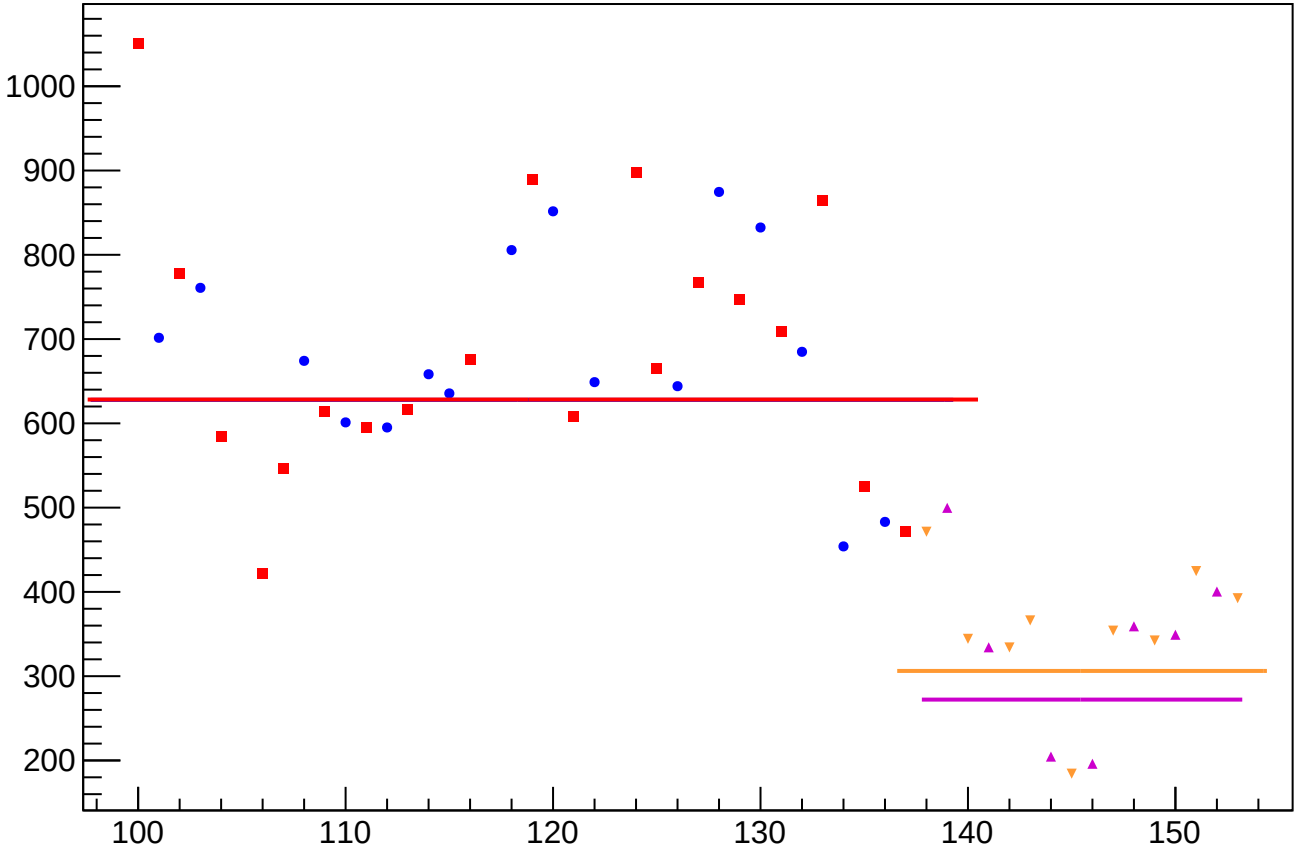
Right: -74.835+/-168.388 χ^2/NDF: 44.3/34

In: -64.530+/-105.379 χ^2/NDF:33.1/22

Out: 228.303+/-108.178 χ^2/NDF:49.4/27

All: 78.050+/-75.484 χ^2/NDF: 86.3/50

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 306.222+/-0.086 χ^2/NDF:1212160.3/8

Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 272.211+/-0.083 χ^2/NDF:1211161.3/6

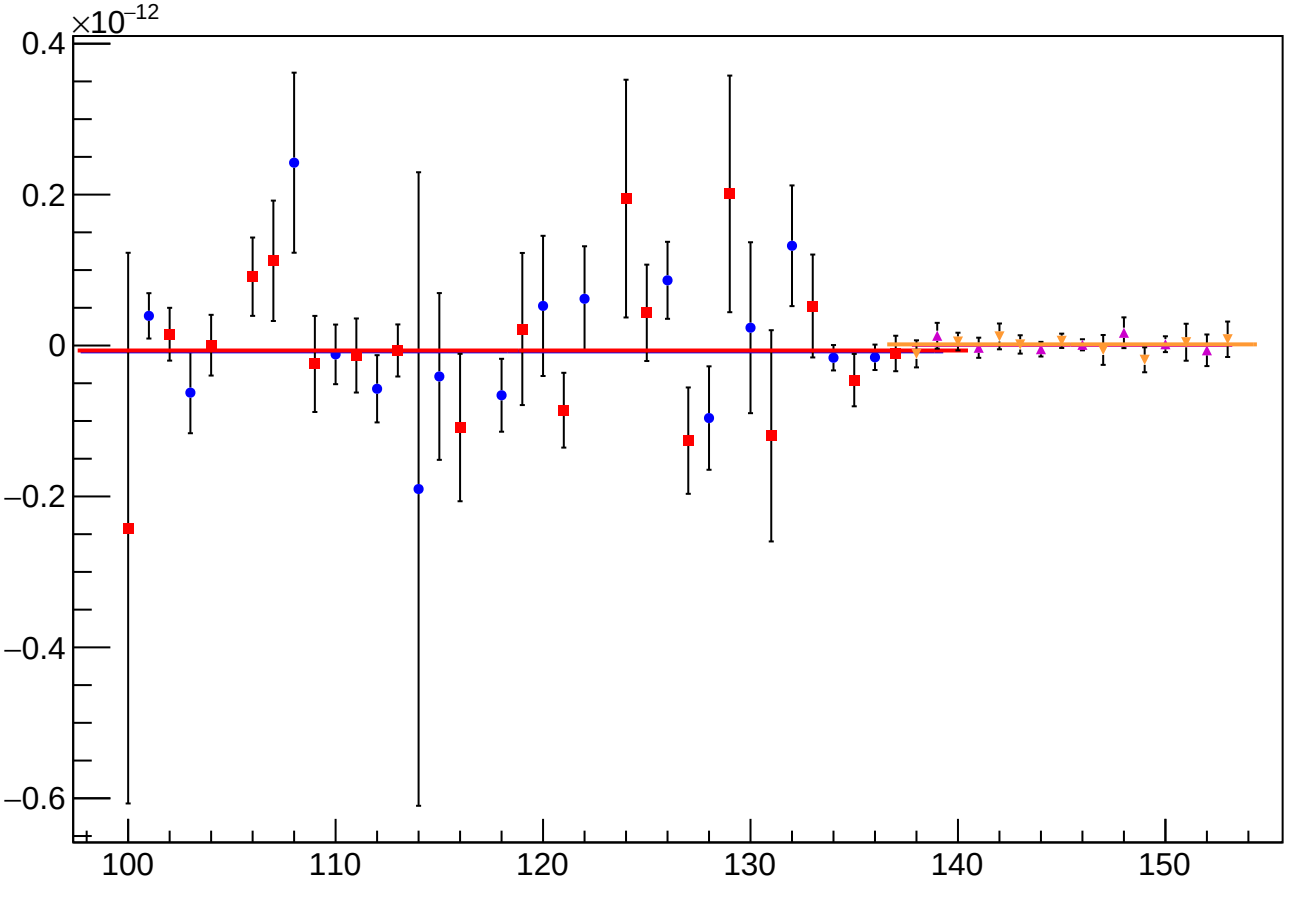
Left: 288.582+/-0.060 χ^2/NDF: 2504318.0/15

Right: 628.076+/-0.119 χ^2/NDF: 1137777.3/34

In: 340.611+/-0.075 χ^2/NDF:5317028.6/22

Out: 373.868+/-0.076 χ^2/NDF:4724039.9/27

All: 356.804+/-0.053 χ^2/NDF: 10138054.1/50



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.0/8

Right Out: -0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1.7/6

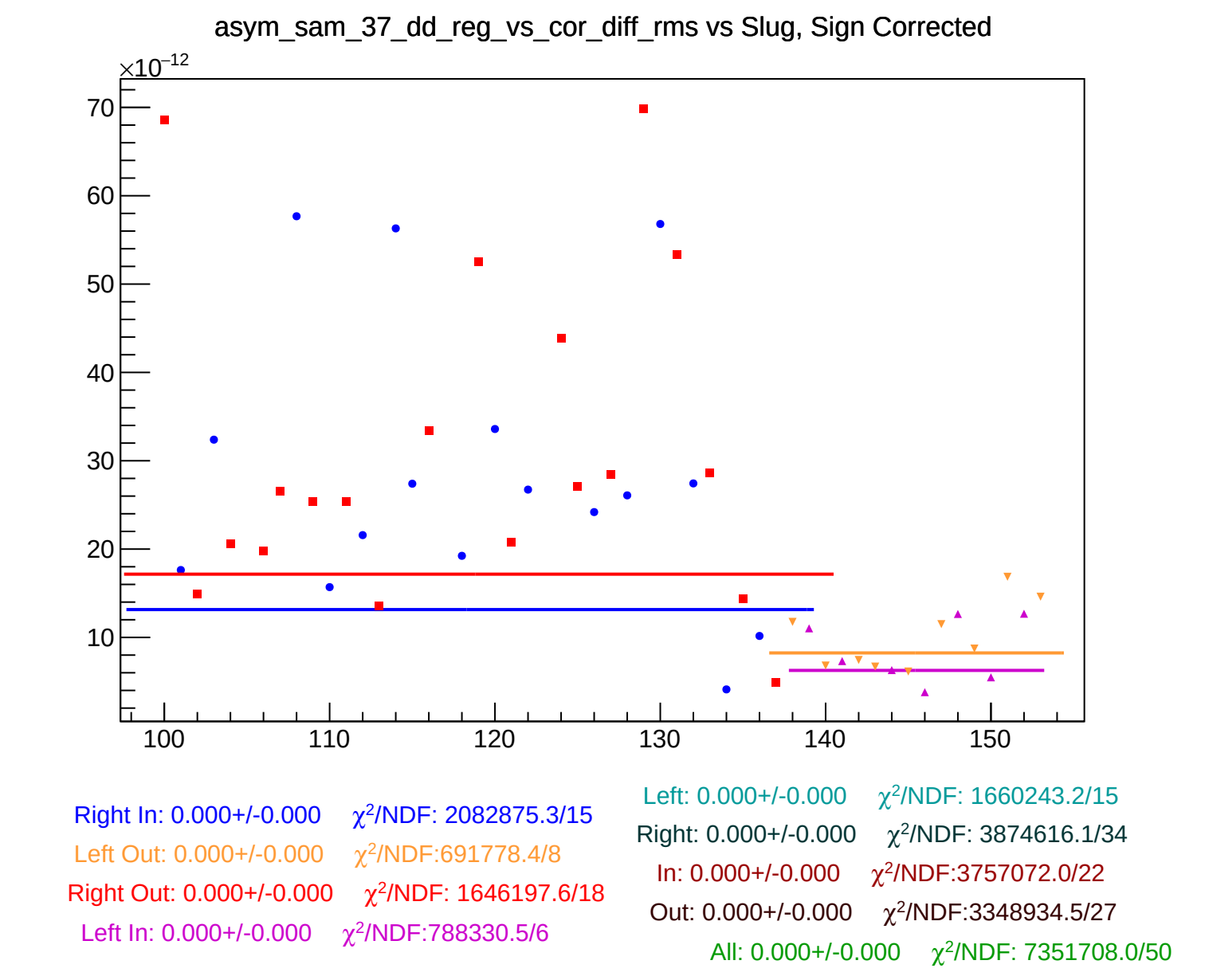
Left: 0.000+/-0.000 χ^2/NDF: 4.7/15

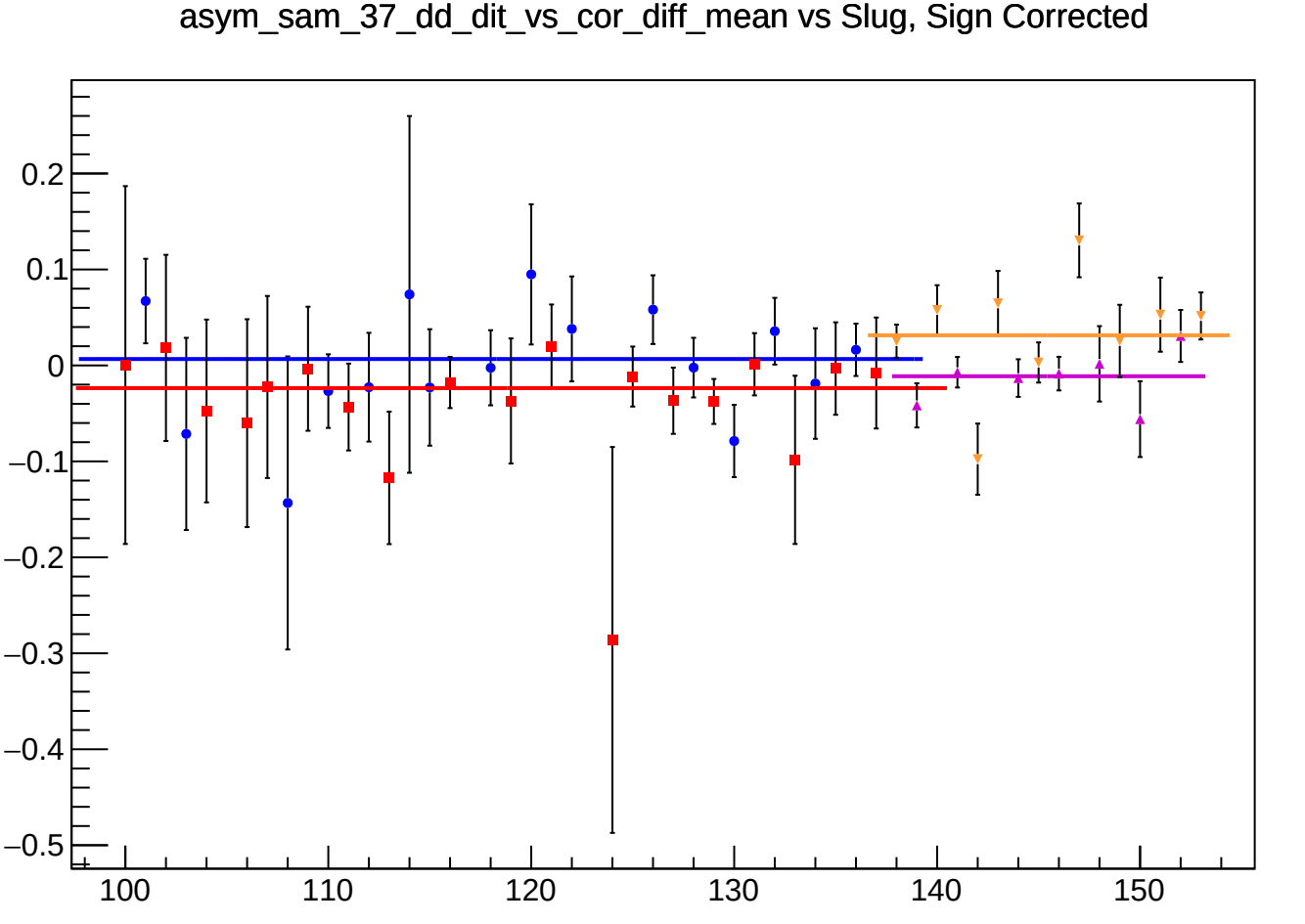
Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:23.3/22

Out: 0.000+/-0.000 χ^2/NDF:23.4/27

All: -0.000+/-0.000 χ^2/NDF: 46.7/50


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
Right In: 0.000+/-0.000 χ²/NDF: 2082875.3/15
Left Out: 0.000+/-0.000 χ²/NDF:691778.4/8
Right Out: 0.000+/-0.000 χ²/NDF: 1646197.6/18
Left In: 0.000+/-0.000 χ²/NDF:788330.5/6
Left: 0.000+/-0.000 χ²/NDF: 1660243.2/15
Right: 0.000+/-0.000 χ²/NDF: 3874616.1/34
In: 0.000+/-0.000 χ²/NDF:3757072.0/22
Out: 0.000+/-0.000 χ²/NDF:3348934.5/27
All: 0.000+/-0.000 χ²/NDF: 7351708.0/50



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.031+/-0.009 χ^2/NDF:23.7/8

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.011+/-0.008 χ^2/NDF:5.6/6

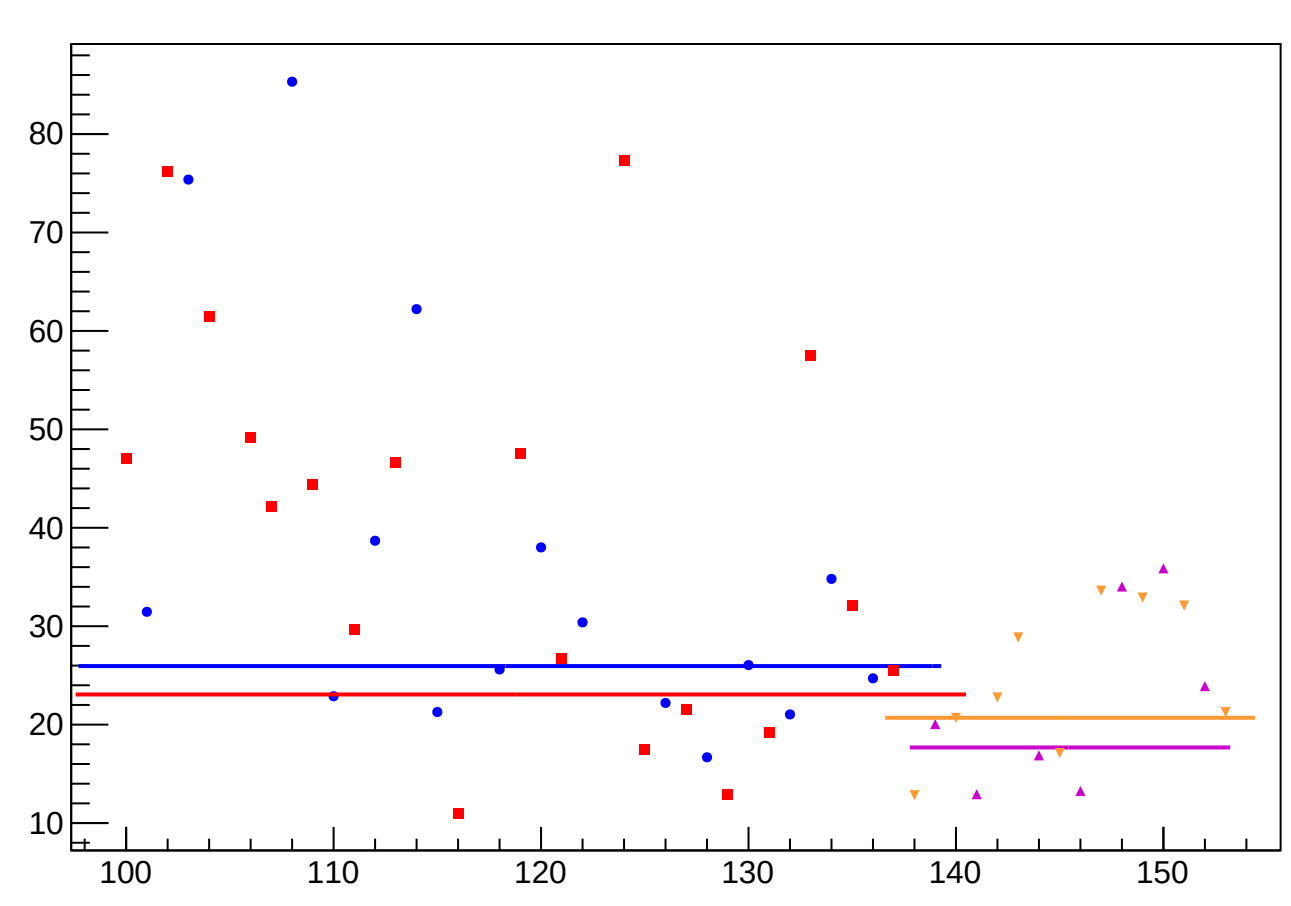
Left: 0.009+/-0.006 χ^2/NDF: 41.5/15

Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.005+/-0.007 χ^2/NDF:22.3/22

Out: 0.008+/-0.007 χ^2/NDF:47.1/27

All: 0.002+/-0.005 χ^2/NDF: 71.3/50



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 20.698+/-0.006 χ^2/NDF:1208315.4/8

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 17.680+/-0.006 χ^2/NDF:1207277.2/6

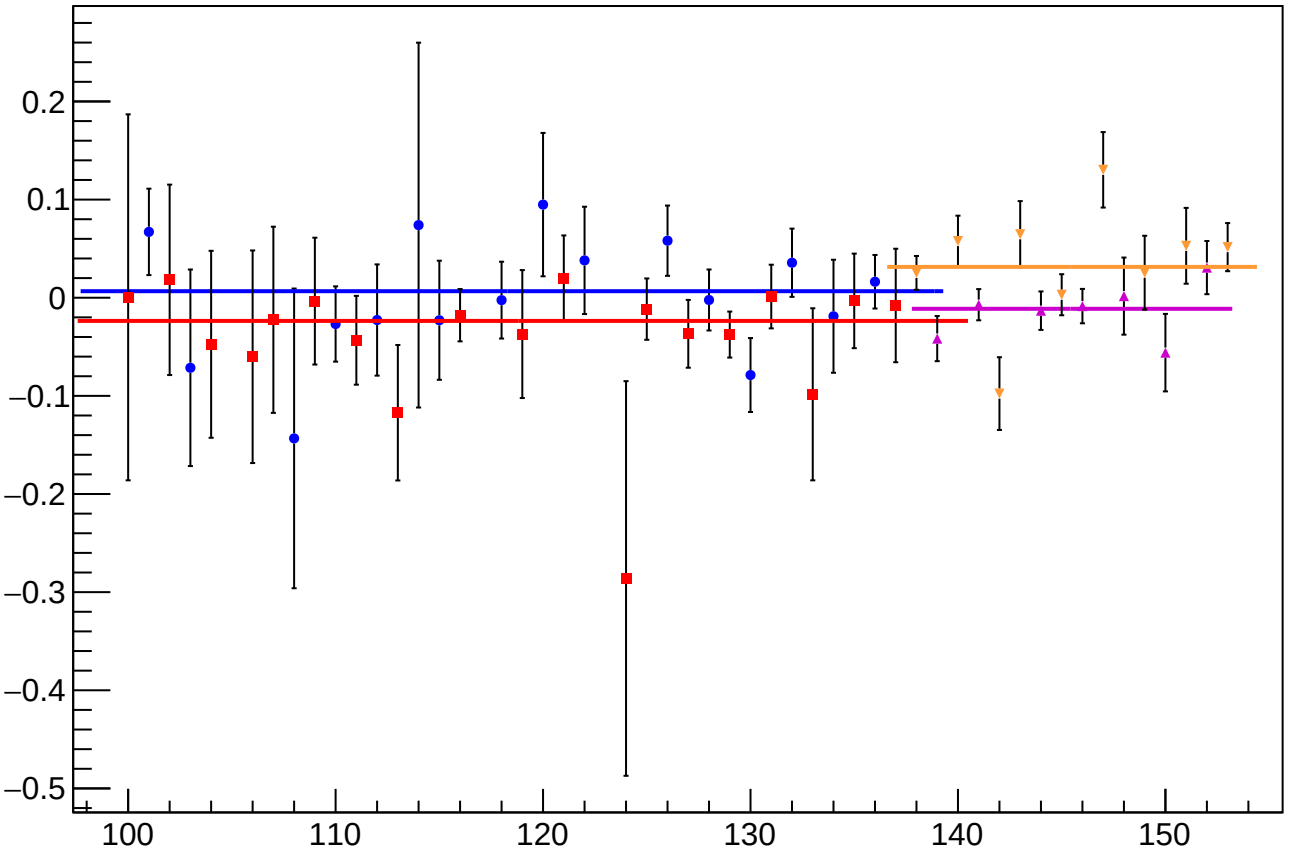
Left: 19.082+/-0.004 χ^2/NDF: 2537153.0/15

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 20.667+/-0.005 χ^2/NDF:3298066.0/22

Out: 21.695+/-0.005 χ^2/NDF:4627982.1/27

All: 21.170+/-0.003 χ^2/NDF: 7949305.9/50



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.031+/-0.009 χ^2/NDF:23.7/8

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.011+/-0.008 χ^2/NDF:5.6/6

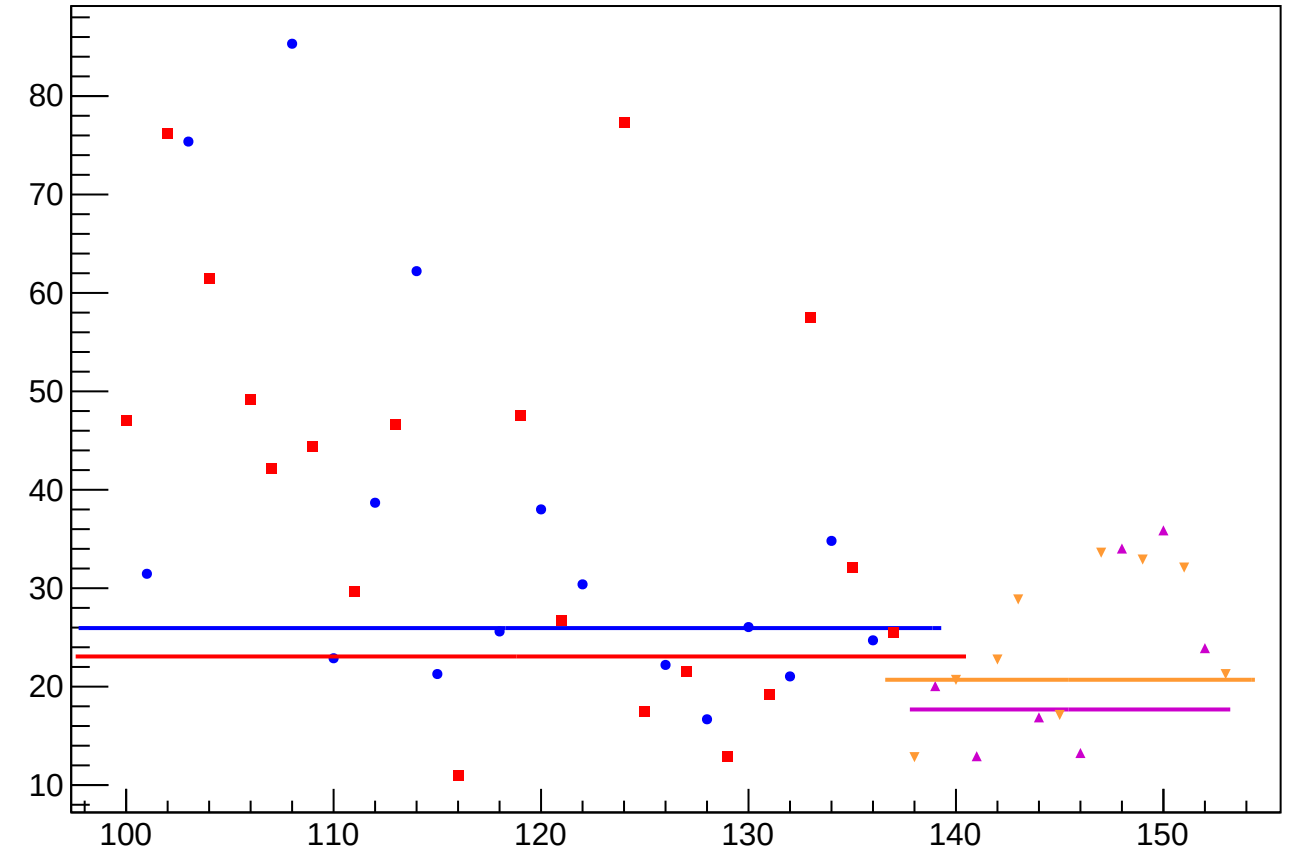
Left: 0.009+/-0.006 χ^2/NDF: 41.5/15

Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.005+/-0.007 χ^2/NDF:22.3/22

Out: 0.008+/-0.007 χ^2/NDF:47.1/27

All: 0.002+/-0.005 χ^2/NDF: 71.3/50



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 20.698+/-0.006 χ^2/NDF:1208315.4/8

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 17.680+/-0.006 χ^2/NDF:1207277.2/6

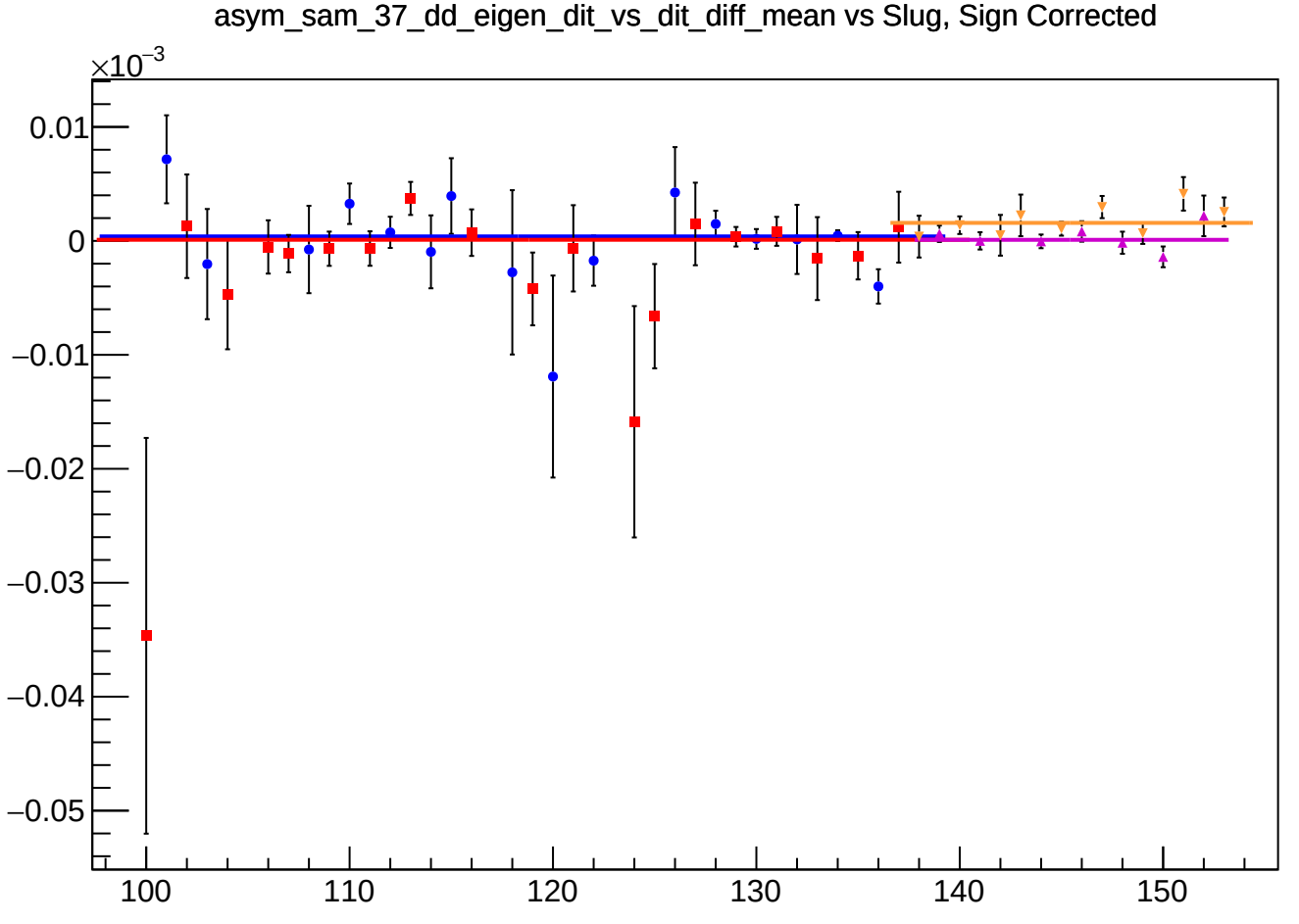
Left: 19.082+/-0.004 χ^2/NDF: 2537153.0/15

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 20.667+/-0.005 χ^2/NDF:3298066.0/22

Out: 21.695+/-0.005 χ^2/NDF:4627982.1/27

All: 21.170+/-0.003 χ^2/NDF: 7949305.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.2/8

Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:5.4/6

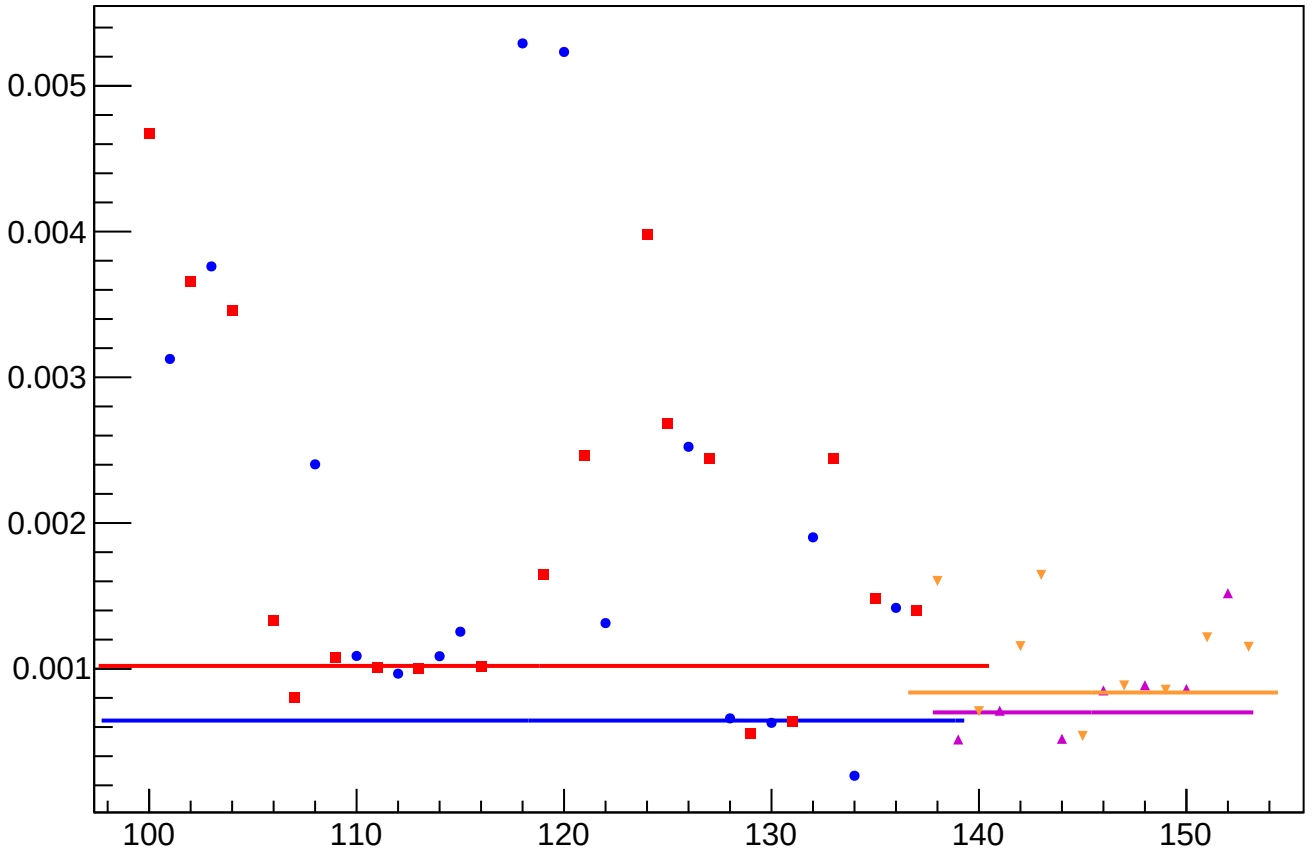
Left: 0.000+/-0.000 χ^2/NDF: 24.0/15

Right: 0.000+/-0.000 χ^2/NDF: 41.6/34

In: 0.000+/-0.000 χ^2/NDF:26.7/22

Out: 0.000+/-0.000 χ^2/NDF:35.5/27

All: 0.000+/-0.000 χ^2/NDF: 67.4/50



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.001+/-0.000 χ^2/NDF:1593614.8/8

Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

Left In: 0.001+/-0.000 χ^2/NDF:928408.9/6

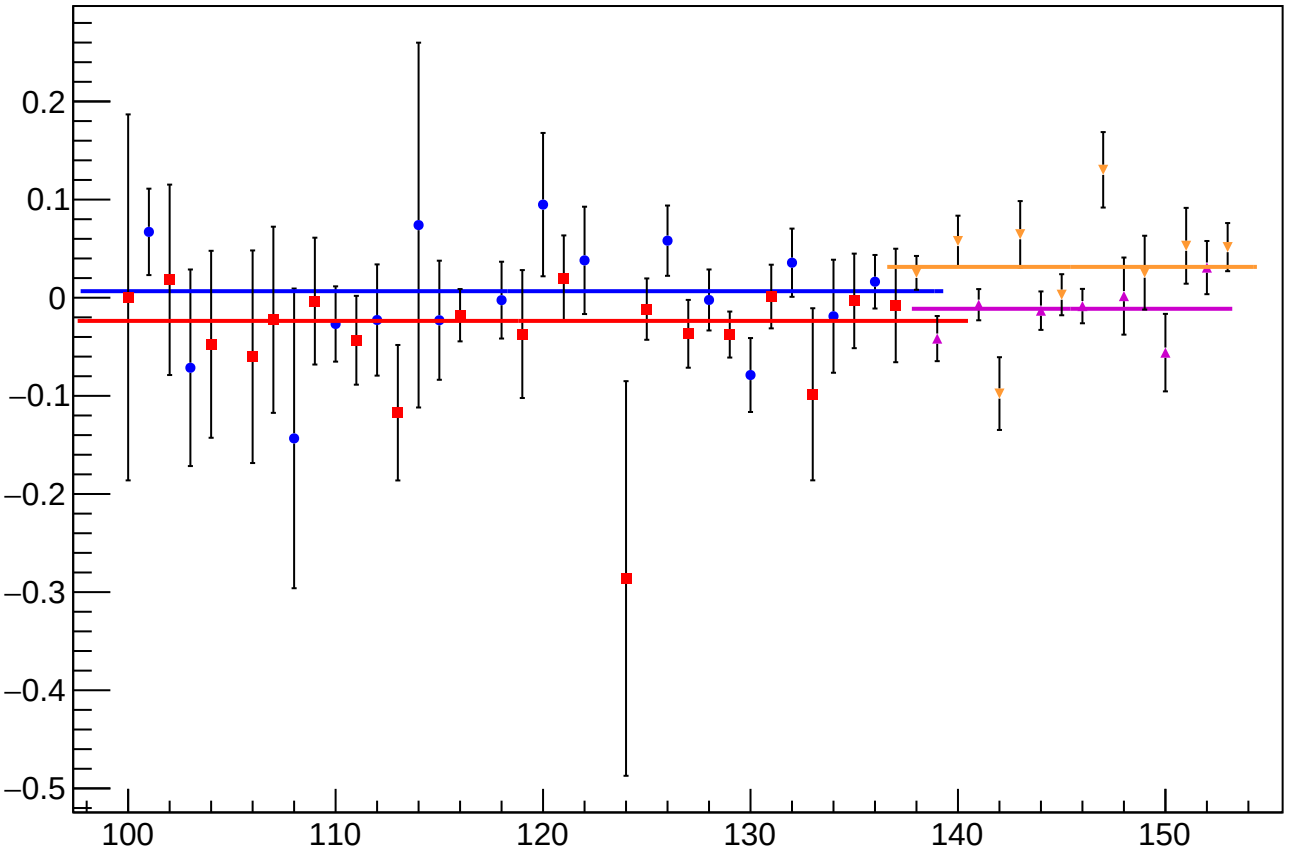
Left: 0.001+/-0.000 χ^2/NDF: 2695475.4/15

Right: 0.001+/-0.000 χ^2/NDF: 11121544.1/34

In: 0.001+/-0.000 χ^2/NDF:7533429.0/22

Out: 0.001+/-0.000 χ^2/NDF:5464495.2/27

All: 0.001+/-0.000 χ^2/NDF: 13822310.5/50



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.031+/-0.009 χ^2/NDF:23.7/8

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.011+/-0.008 χ^2/NDF:5.6/6

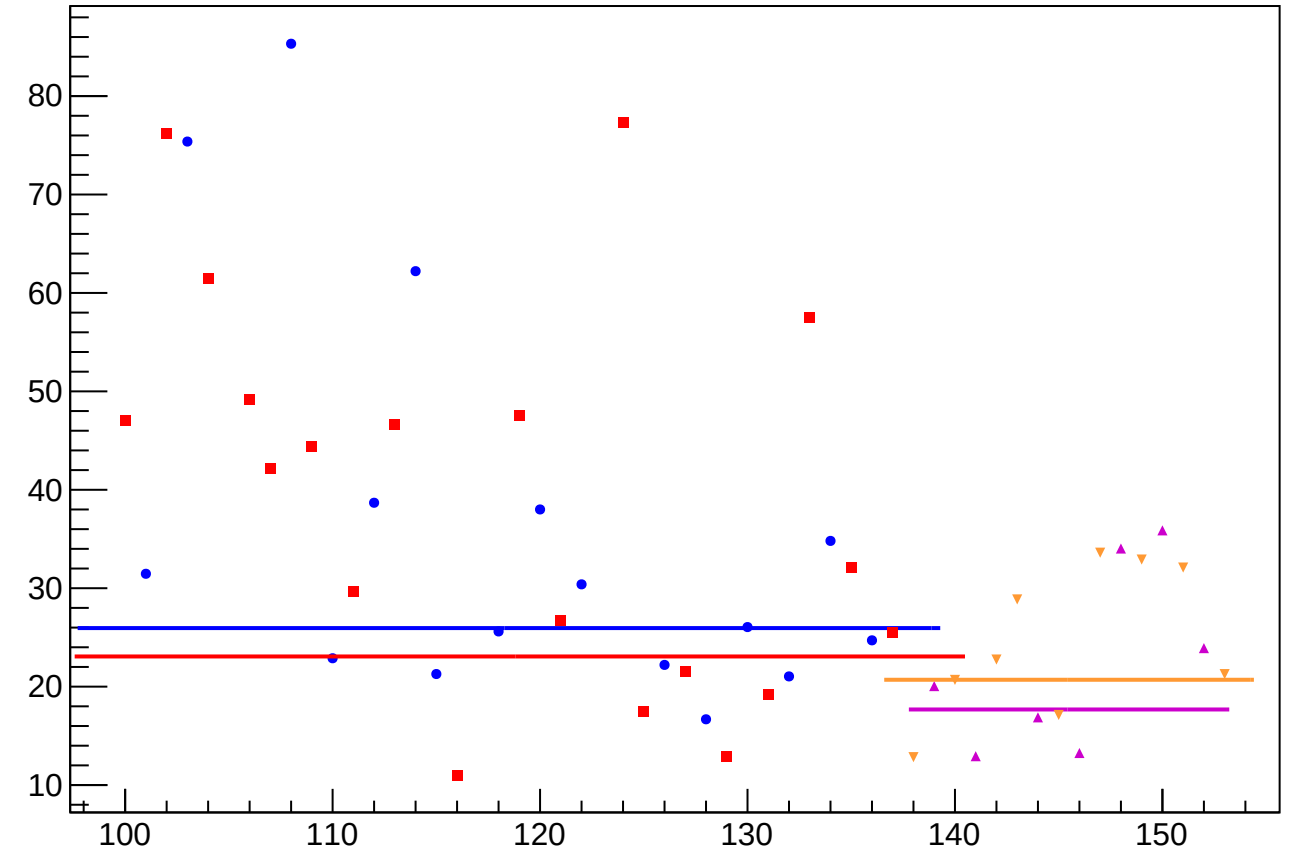
Left: 0.009+/-0.006 χ^2/NDF: 41.5/15

Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.005+/-0.007 χ^2/NDF:22.3/22

Out: 0.008+/-0.007 χ^2/NDF:47.1/27

All: 0.002+/-0.005 χ^2/NDF: 71.3/50



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 20.699+/-0.006 χ^2/NDF:1208360.0/8

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 17.680+/-0.006 χ^2/NDF:1207327.0/6

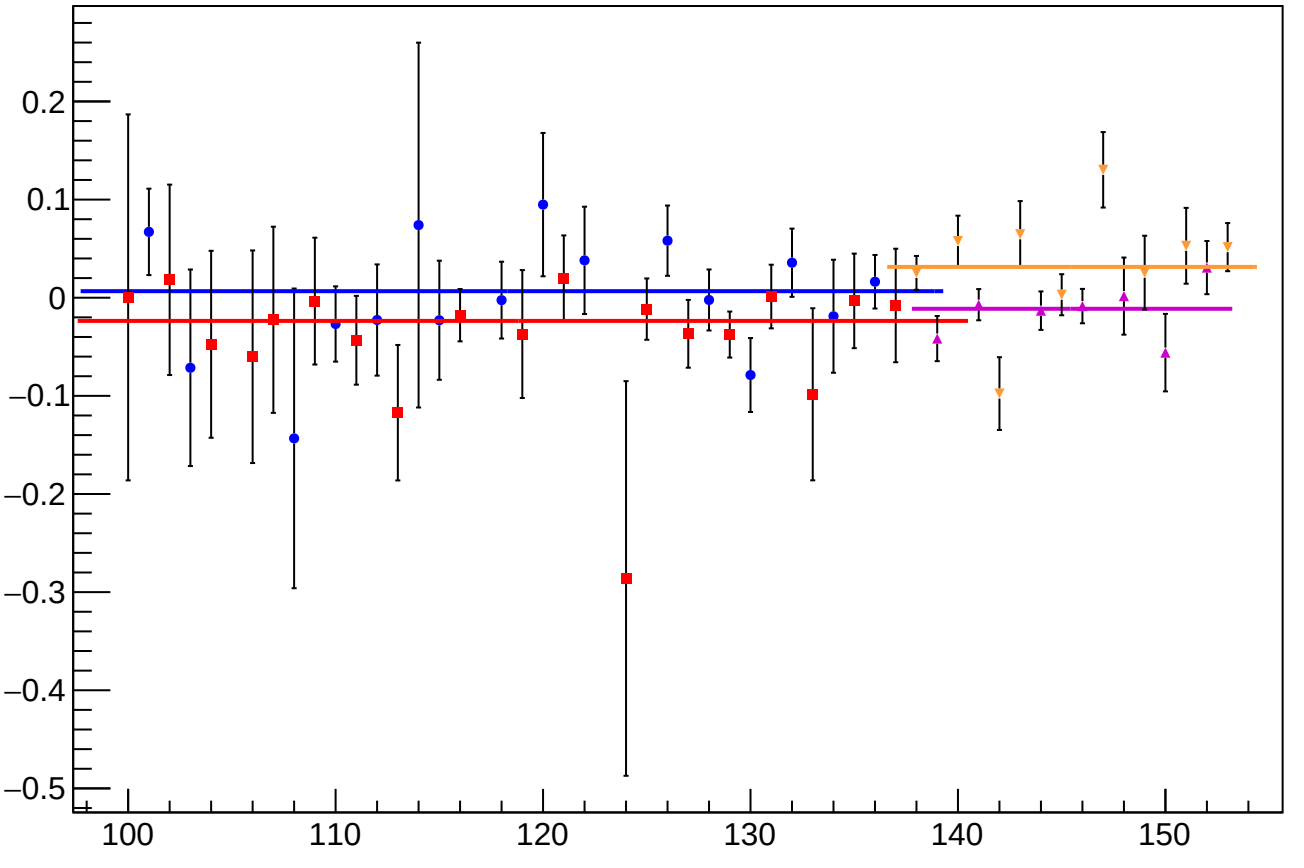
Left: 19.083+/-0.004 χ^2/NDF: 2537274.6/15

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 20.667+/-0.005 χ^2/NDF:3298092.8/22

Out: 21.696+/-0.005 χ^2/NDF:4627854.8/27

All: 21.170+/-0.003 χ^2/NDF: 7949218.8/50



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.031+/-0.009 χ^2/NDF:23.7/8

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.011+/-0.008 χ^2/NDF:5.6/6

Left: 0.009+/-0.006 χ^2/NDF: 41.5/15

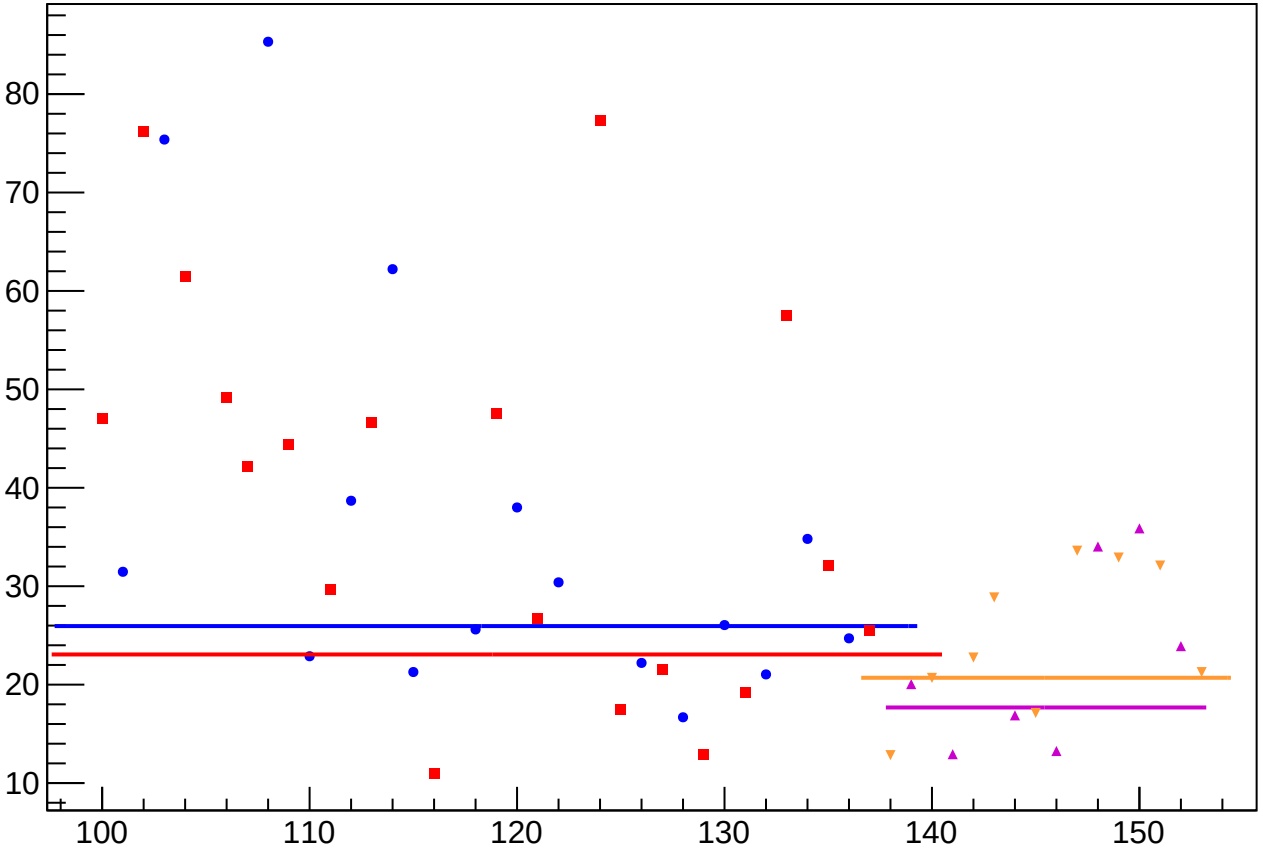
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.005+/-0.007 χ^2/NDF:22.3/22

Out: 0.008+/-0.007 χ^2/NDF:47.1/27

All: 0.002+/-0.005 χ^2/NDF: 71.3/50

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: 20.699+/-0.006 χ^2/NDF:1208360.0/8

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 17.680+/-0.006 χ^2/NDF:1207327.0/6

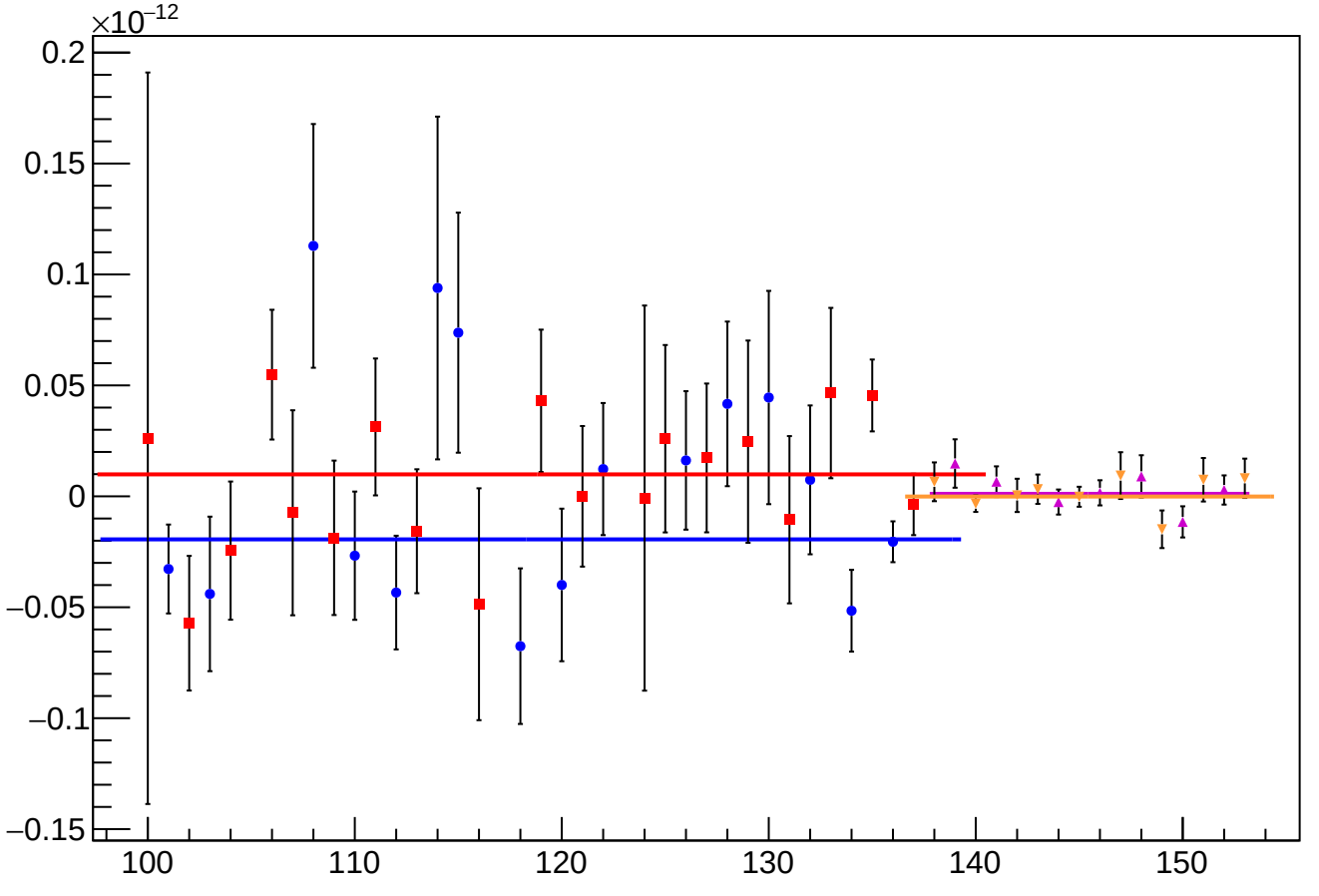
Left: 19.083+/-0.004 χ^2/NDF: 2537274.6/15

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 20.667+/-0.005 χ^2/NDF:3298092.8/22

Out: 21.696+/-0.005 χ^2/NDF:4627854.8/27

All: 21.170+/-0.003 χ^2/NDF: 7949218.8/50



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.9/8

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:6.6/6

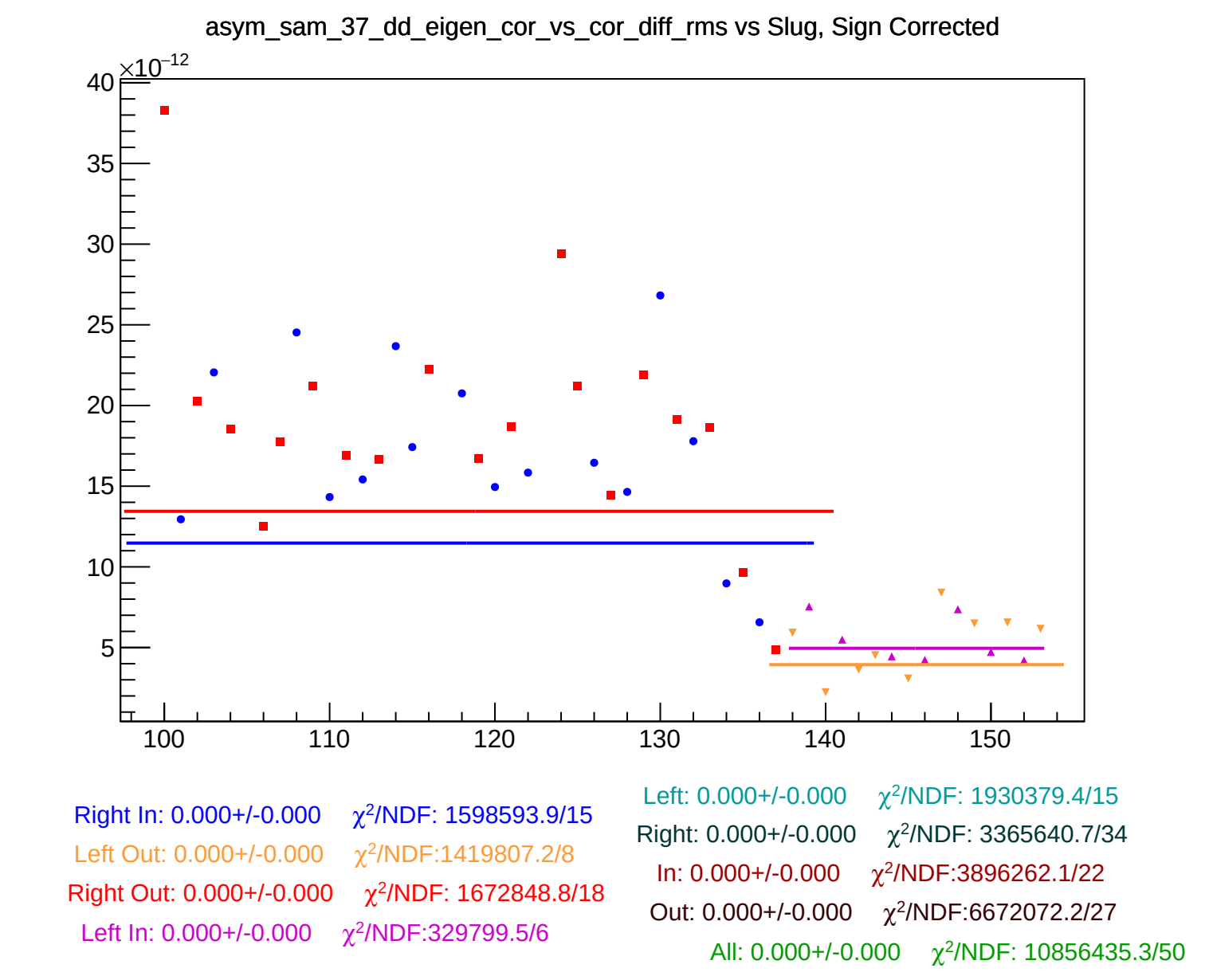
Left: 0.000+/-0.000 χ^2/NDF: 13.6/15

Right: -0.000+/-0.000 χ^2/NDF: 56.4/34

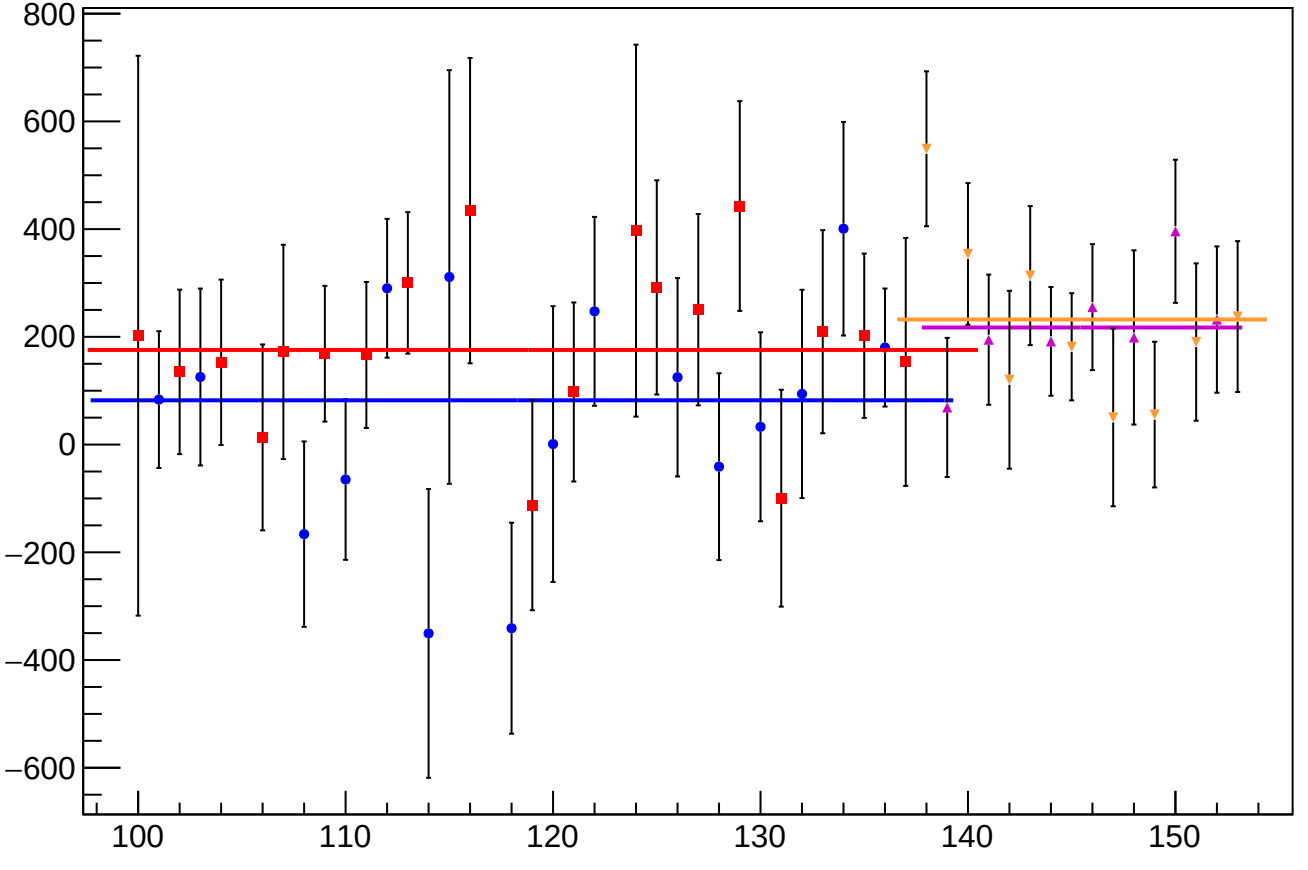
In: -0.000+/-0.000 χ^2/NDF:42.0/22

Out: 0.000+/-0.000 χ^2/NDF:29.2/27

All: -0.000+/-0.000 χ^2/NDF: 72.1/50


asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻¹²
40
35
30
25
20
15
10
5
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1598593.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1419807.2/8
Right Out: 0.000+/-0.000 χ²/NDF: 1672848.8/18
Left In: 0.000+/-0.000 χ²/NDF:329799.5/6
Left: 0.000+/-0.000 χ²/NDF: 1930379.4/15
Right: 0.000+/-0.000 χ²/NDF: 3365640.7/34
In: 0.000+/-0.000 χ²/NDF:3896262.1/22
Out: 0.000+/-0.000 χ²/NDF:6672072.2/27
All: 0.000+/-0.000 χ²/NDF: 10856435.3/50

reg_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 232.253+/-45.024 χ^2/NDF:9.8/8

Right Out: 175.732+/-40.673 χ^2/NDF: 9.9/18

Left In: 217.381+/-47.203 χ^2/NDF:3.4/6

Left: 225.168+/-32.580 χ^2/NDF: 13.2/15

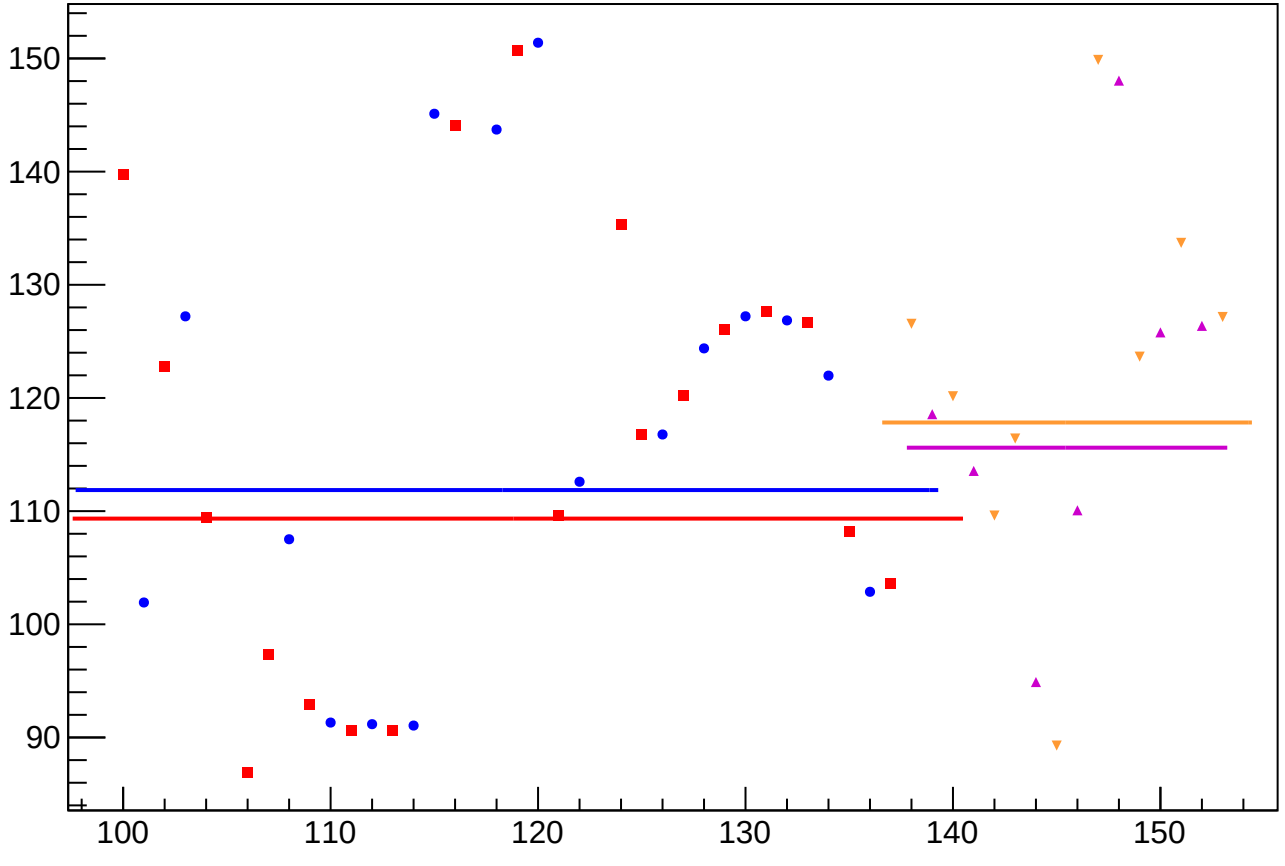
Right: 130.613+/-29.263 χ^2/NDF: 30.8/34

In: 142.141+/-31.433 χ^2/NDF:26.3/22

Out: 201.130+/-30.181 χ^2/NDF:20.6/27

All: 172.833+/-21.770 χ^2/NDF: 48.7/50

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 117.833+/-0.032 χ^2/NDF:289649.8/8

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

Left In: 115.607+/-0.033 χ^2/NDF:195033.5/6

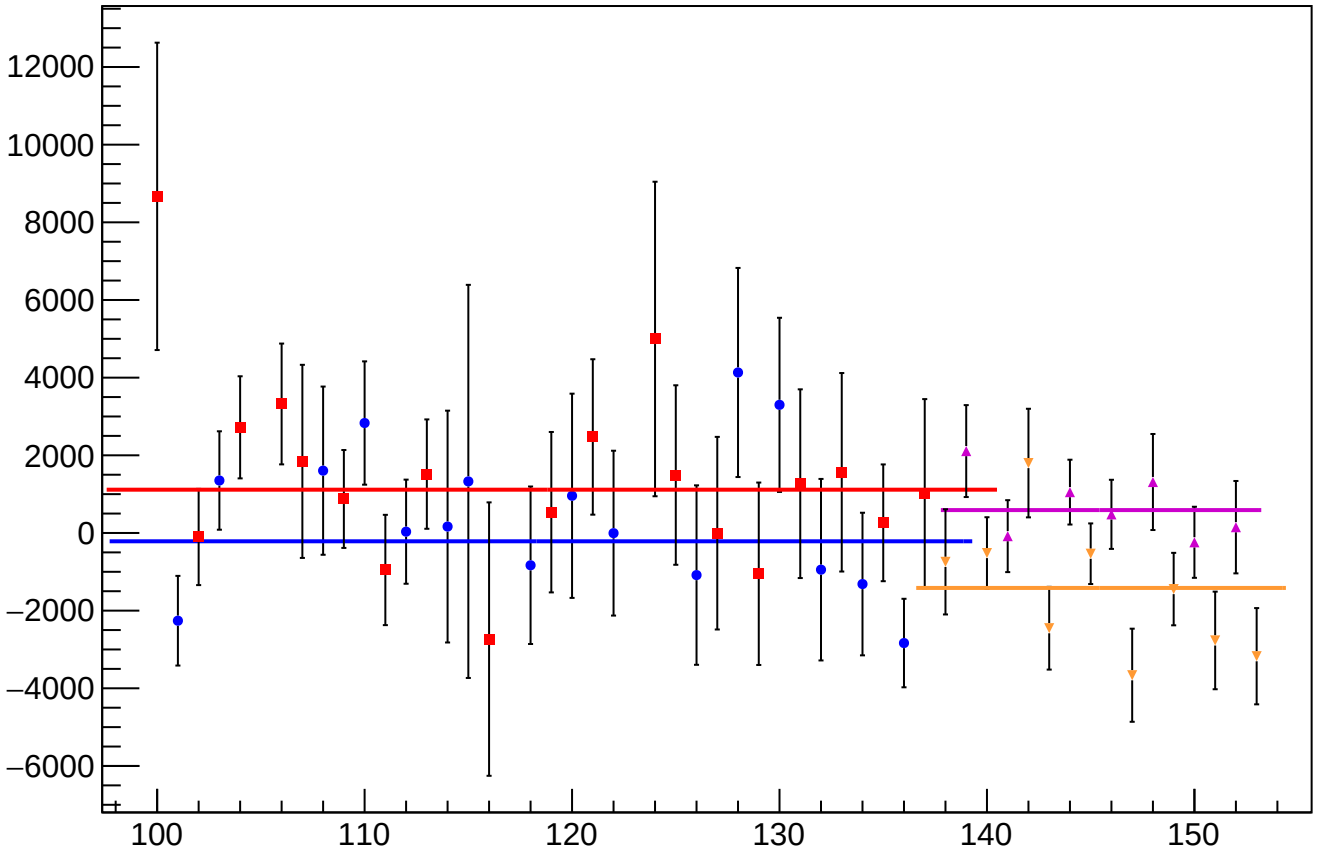
Left: 116.772+/-0.023 χ^2/NDF: 487012.4/15

Right: 110.557+/-0.021 χ^2/NDF: 676952.3/34

In: 113.523+/-0.022 χ^2/NDF:508062.8/22

Out: 113.156+/-0.021 χ^2/NDF:696051.9/27

All: 113.332+/-0.015 χ^2/NDF: 1204255.9/50



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -1415.520+/-356.197 χ^2/NDF:15.4/8

Right Out: 1114.700+/-423.039 χ^2/NDF: 14.5/18

Left In: 589.426+/-374.468 χ^2/NDF:3.8/6

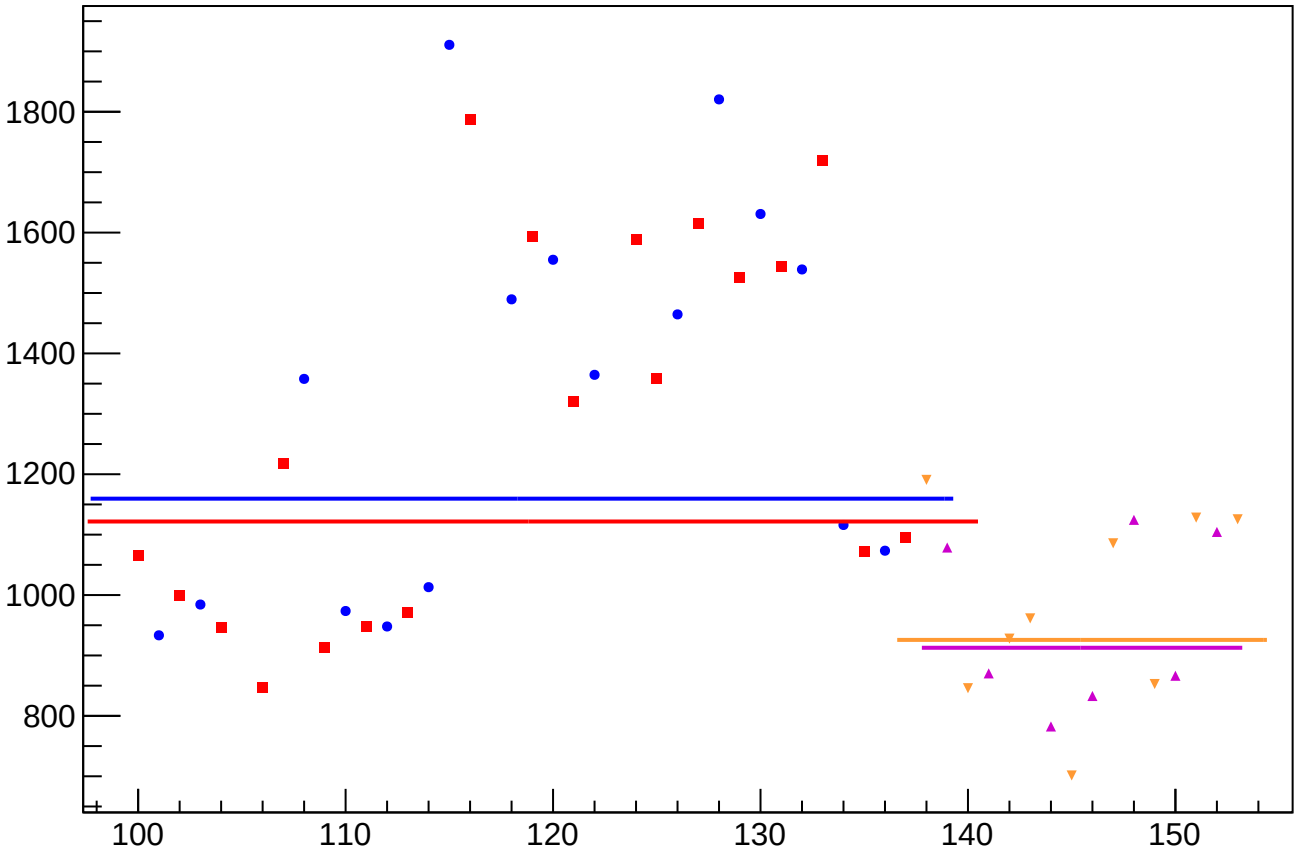
Left: -463.152+/-258.087 χ^2/NDF: 34.2/15

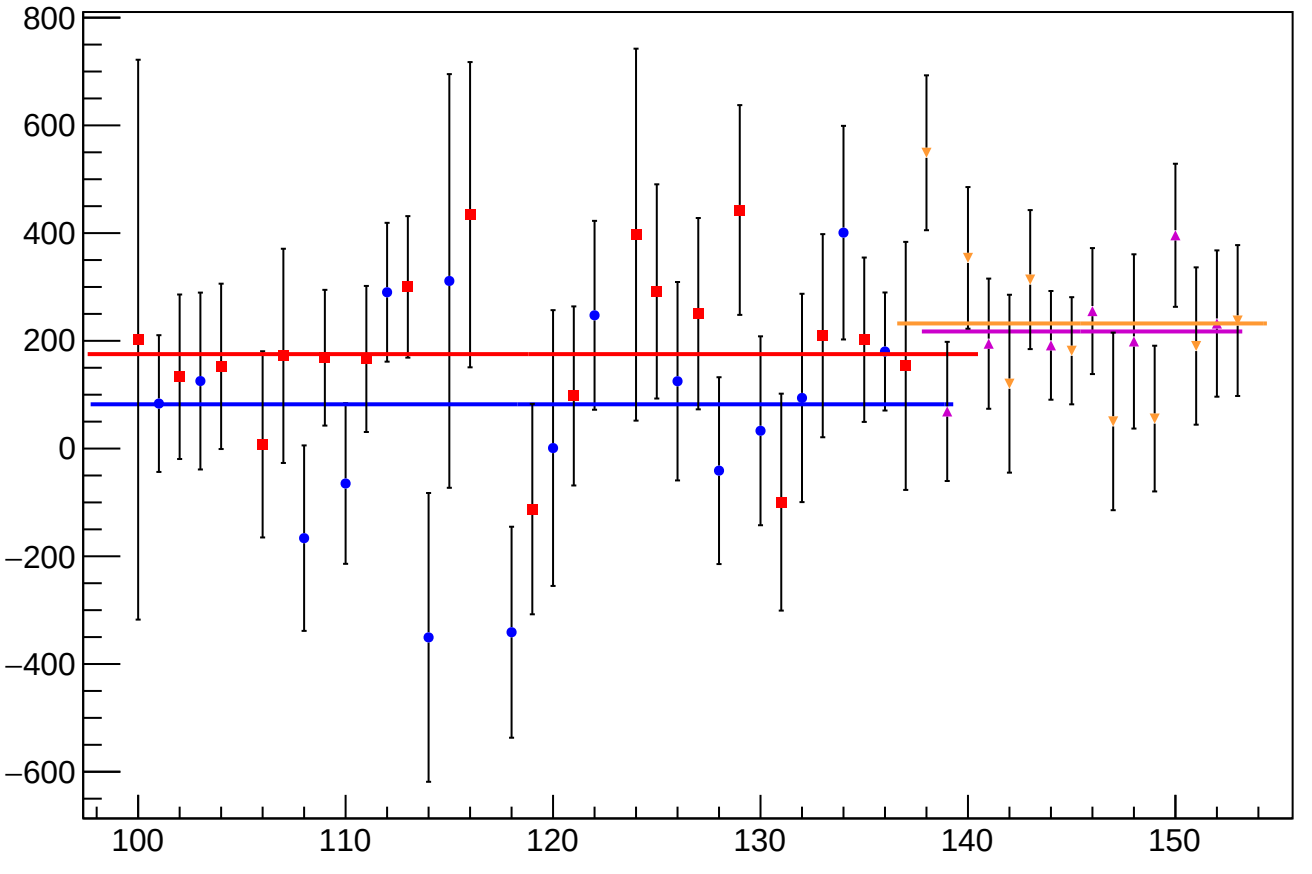
Right: 482.307+/-306.263 χ^2/NDF: 39.7/34

In: 255.367+/-286.242 χ^2/NDF:26.2/22

Out: -365.866+/-272.474 χ^2/NDF:50.9/27

All: -70.549+/-197.356 χ^2/NDF: 79.5/50


asym_sam_48_dd_reg_correction_rms vs Slug, Sign Corrected
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
Right In: 1159.567+/-0.314 χ²/NDF: 683693.3/15
Left Out: 925.763+/-0.252 χ²/NDF:410737.5/8
Right Out: 1121.752+/-0.299 χ²/NDF: 782273.3/18
Left In: 912.739+/-0.265 χ²/NDF:224070.4/6
Left: 919.576+/-0.182 χ²/NDF: 636077.9/15
Right: 1139.747+/-0.217 χ²/NDF: 1473571.5/34
In: 1015.344+/-0.202 χ²/NDF:1268977.7/22
Out: 1007.068+/-0.193 χ²/NDF:1444200.6/27
All: 1011.002+/-0.140 χ²/NDF: 2714055.5/50



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 232.264+/-45.024 χ^2/NDF:9.8/8

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 217.385+/-47.203 χ^2/NDF:3.4/6

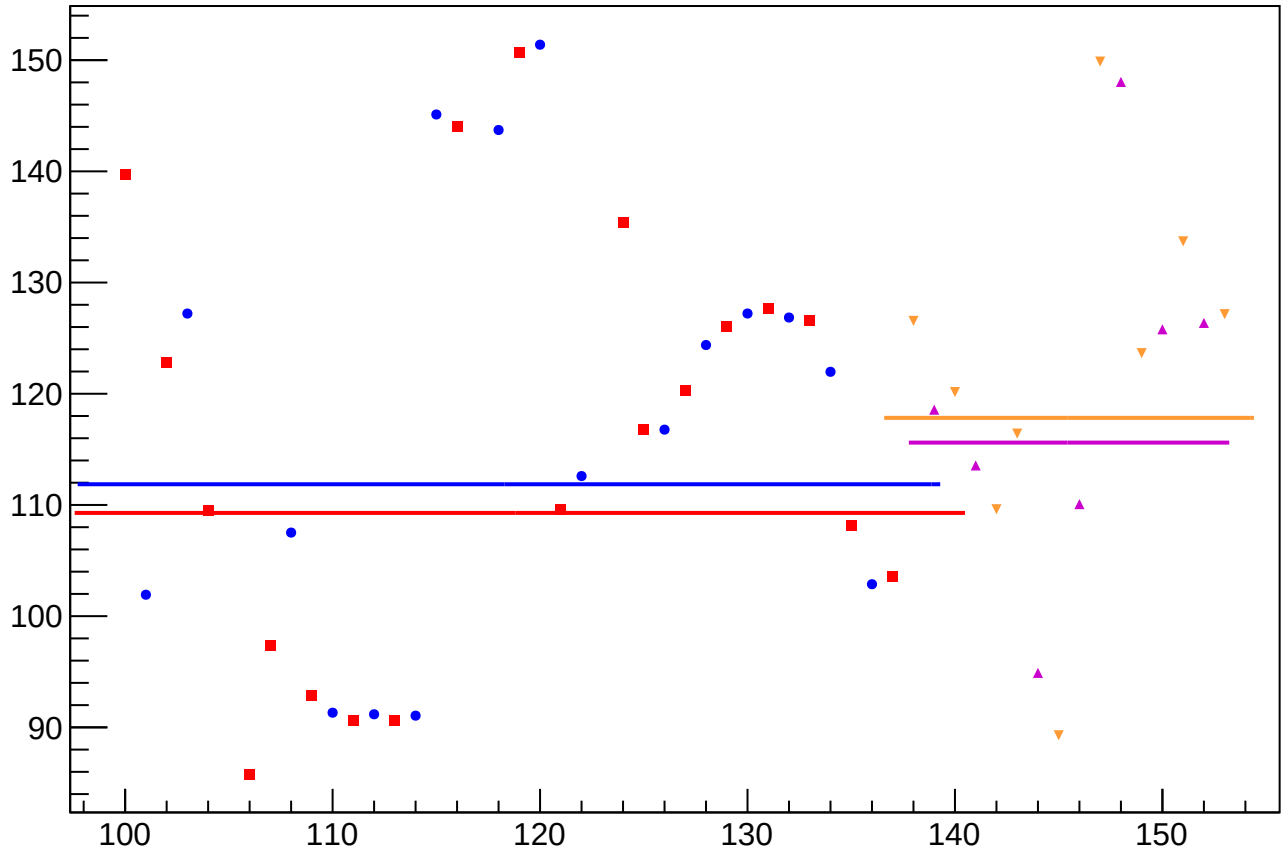
Left: 225.176+/-32.580 χ^2/NDF: 13.2/15

Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 142.136+/-31.433 χ^2/NDF:26.3/22

Out: 200.922+/-30.184 χ^2/NDF:20.6/27

All: 172.720+/-21.771 χ^2/NDF: 48.8/50



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 117.833+/-0.032 χ^2/NDF:289649.7/8

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 115.607+/-0.033 χ^2/NDF:195033.5/6

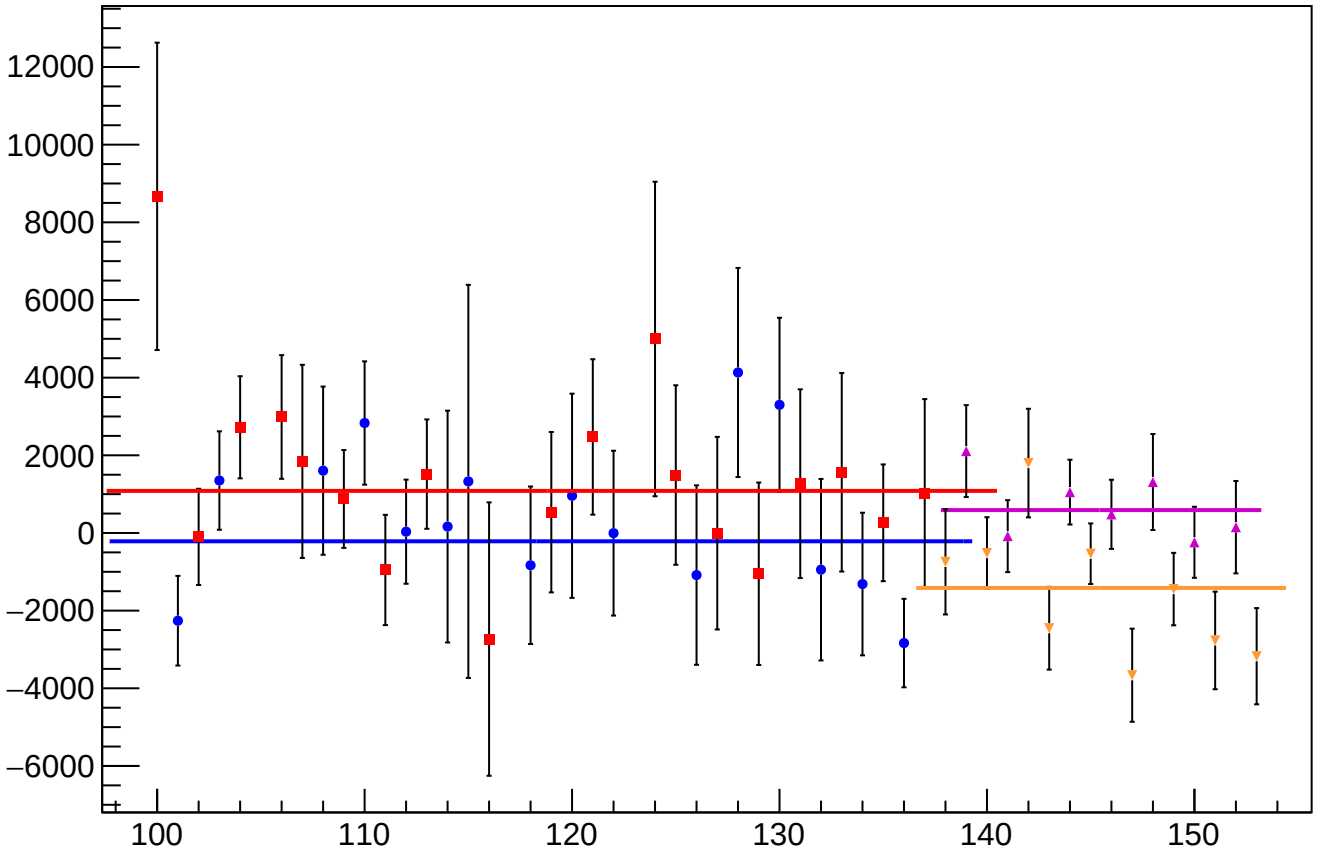
Left: 116.772+/-0.023 χ^2/NDF: 487012.4/15

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 113.523+/-0.022 χ^2/NDF:508063.8/22

Out: 113.126+/-0.021 χ^2/NDF:700058.4/27

All: 113.316+/-0.015 χ^2/NDF: 1208287.7/50



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1415.514+/-356.197 χ^2/NDF:15.4/8

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 589.434+/-374.468 χ^2/NDF:3.8/6

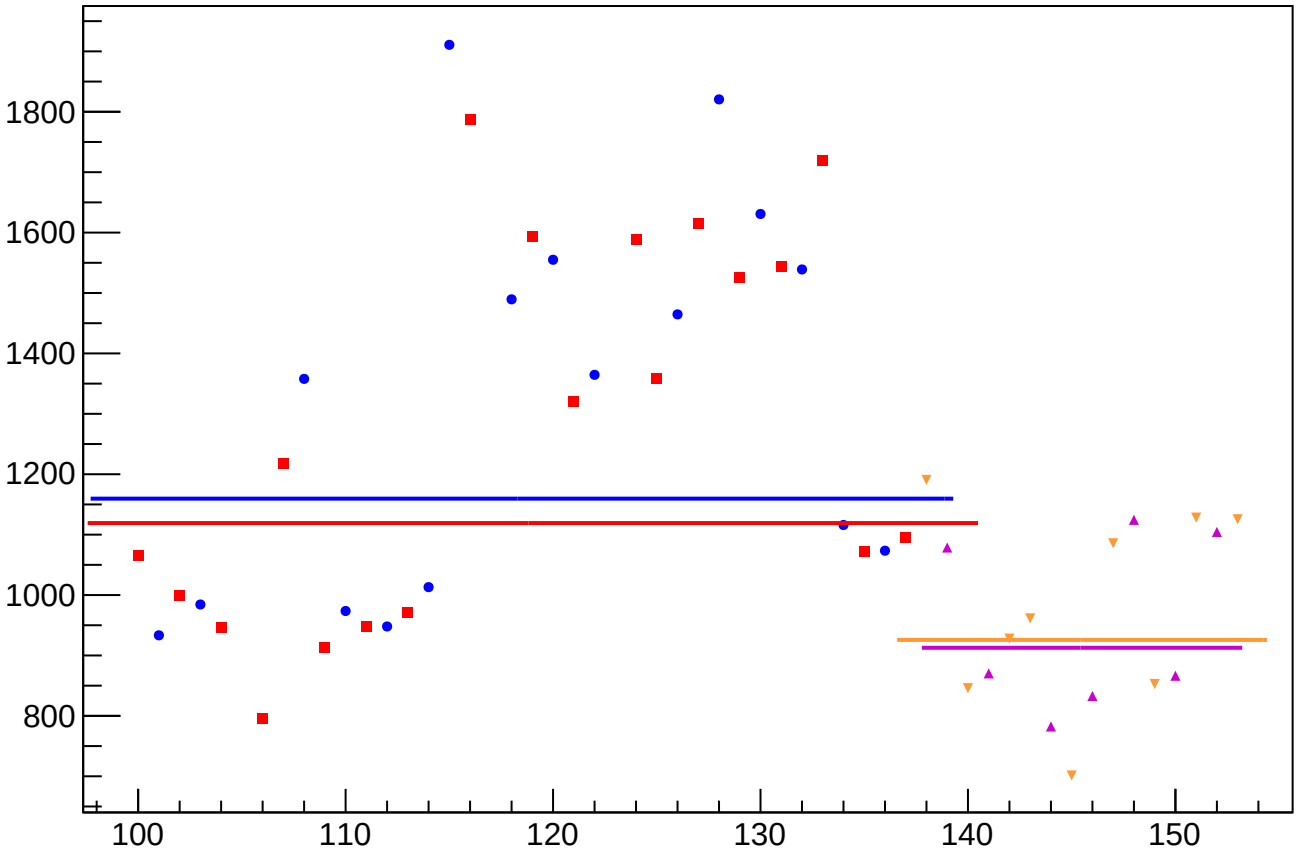
Left: -463.145+/-258.087 χ^2/NDF: 34.2/15

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 255.337+/-286.243 χ^2/NDF:26.2/22

Out: -380.729+/-272.670 χ^2/NDF:49.7/27

All: -78.134+/-197.431 χ^2/NDF: 78.4/50



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 925.763+/-0.252 χ^2/NDF:410740.0/8

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 912.740+/-0.265 χ^2/NDF:224068.6/6

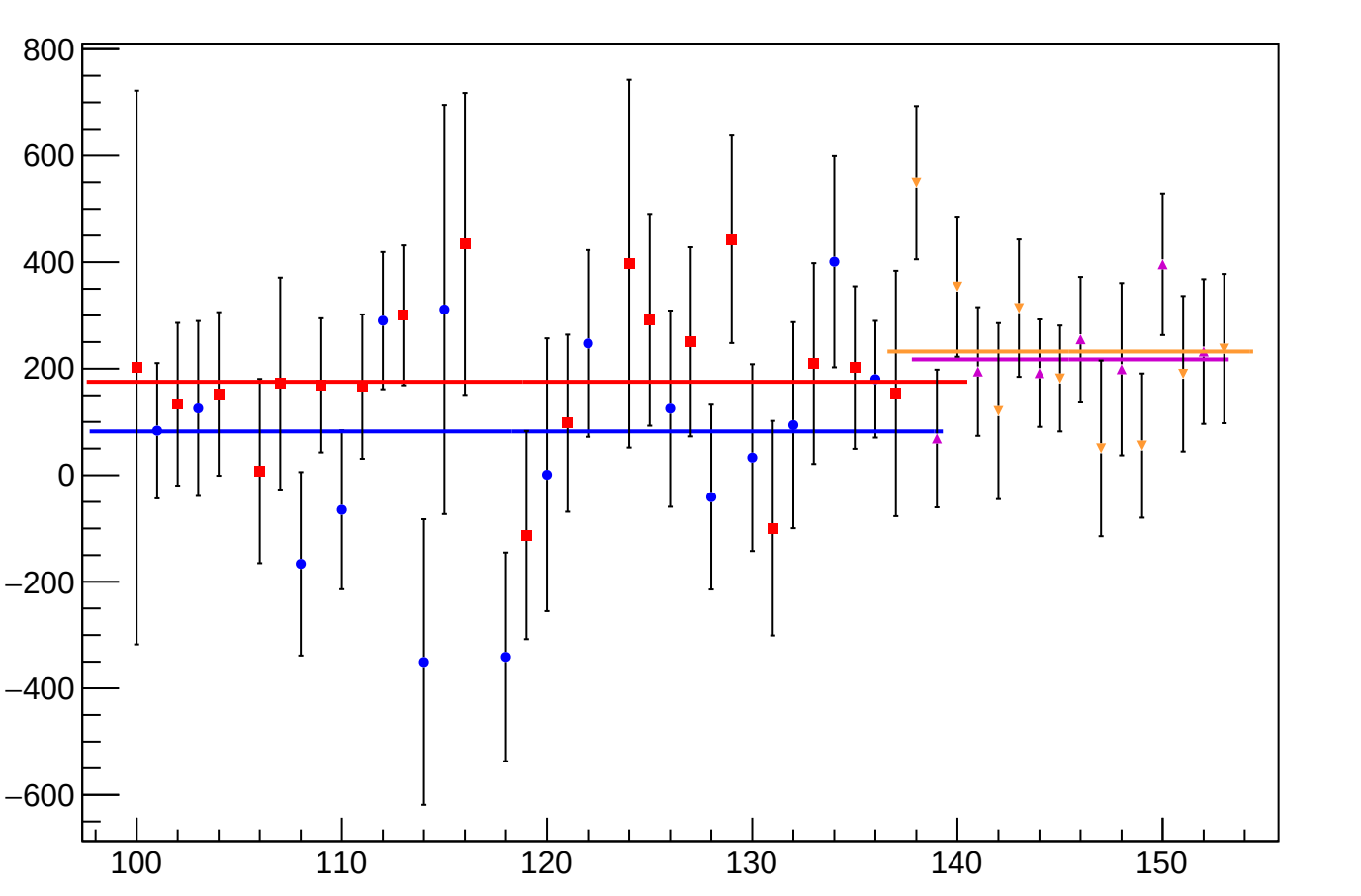
Left: 919.577+/-0.182 χ^2/NDF: 636078.4/15

Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 1015.348+/-0.202 χ^2/NDF:1268968.6/22

Out: 1005.828+/-0.193 χ^2/NDF:1457977.3/27

All: 1010.357+/-0.140 χ^2/NDF: 2728105.6/50



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 232.264+/-45.024 χ^2/NDF:9.8/8

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 217.385+/-47.203 χ^2/NDF:3.4/6

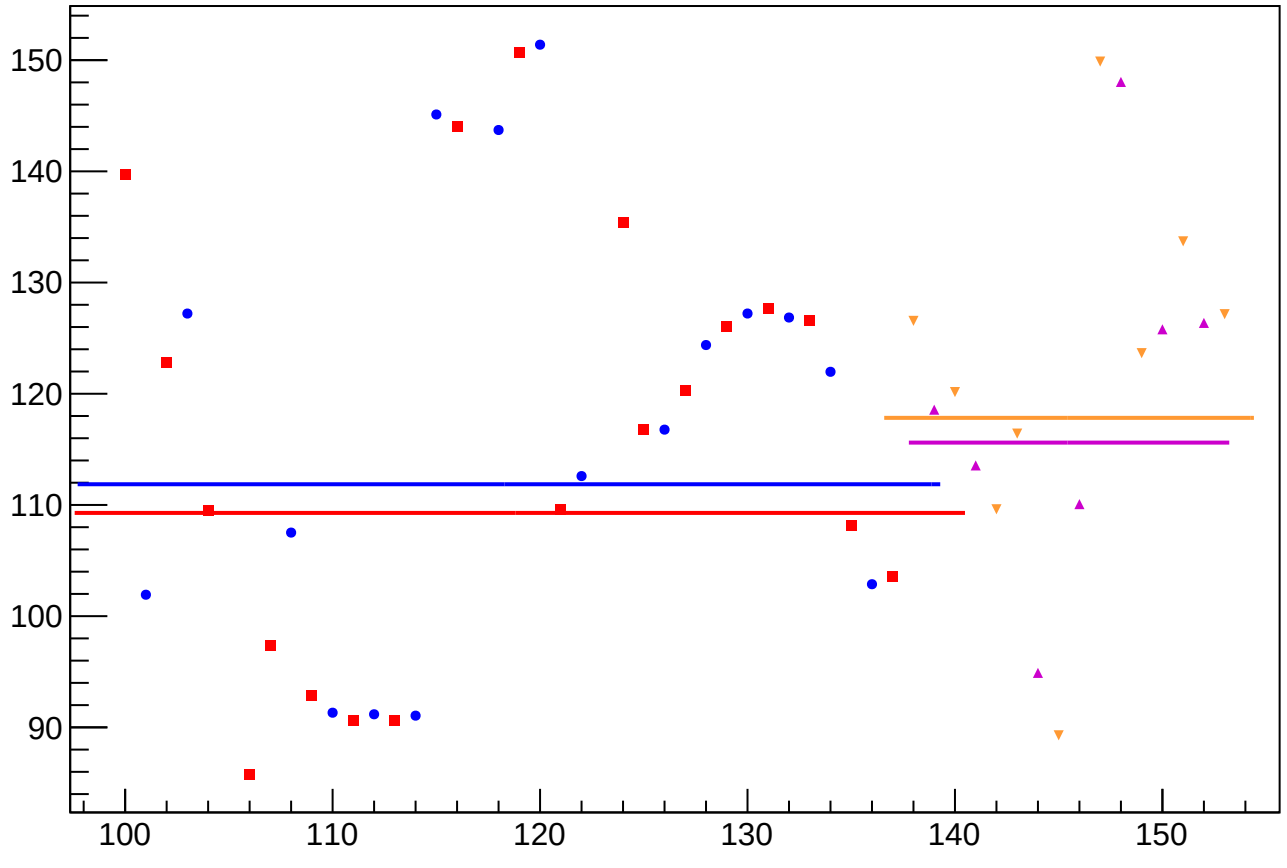
Left: 225.176+/-32.580 χ^2/NDF: 13.2/15

Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 142.136+/-31.433 χ^2/NDF:26.3/22

Out: 200.922+/-30.184 χ^2/NDF:20.6/27

All: 172.720+/-21.771 χ^2/NDF: 48.8/50



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 117.833+/-0.032 χ^2/NDF:289649.7/8

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 115.607+/-0.033 χ^2/NDF:195033.5/6

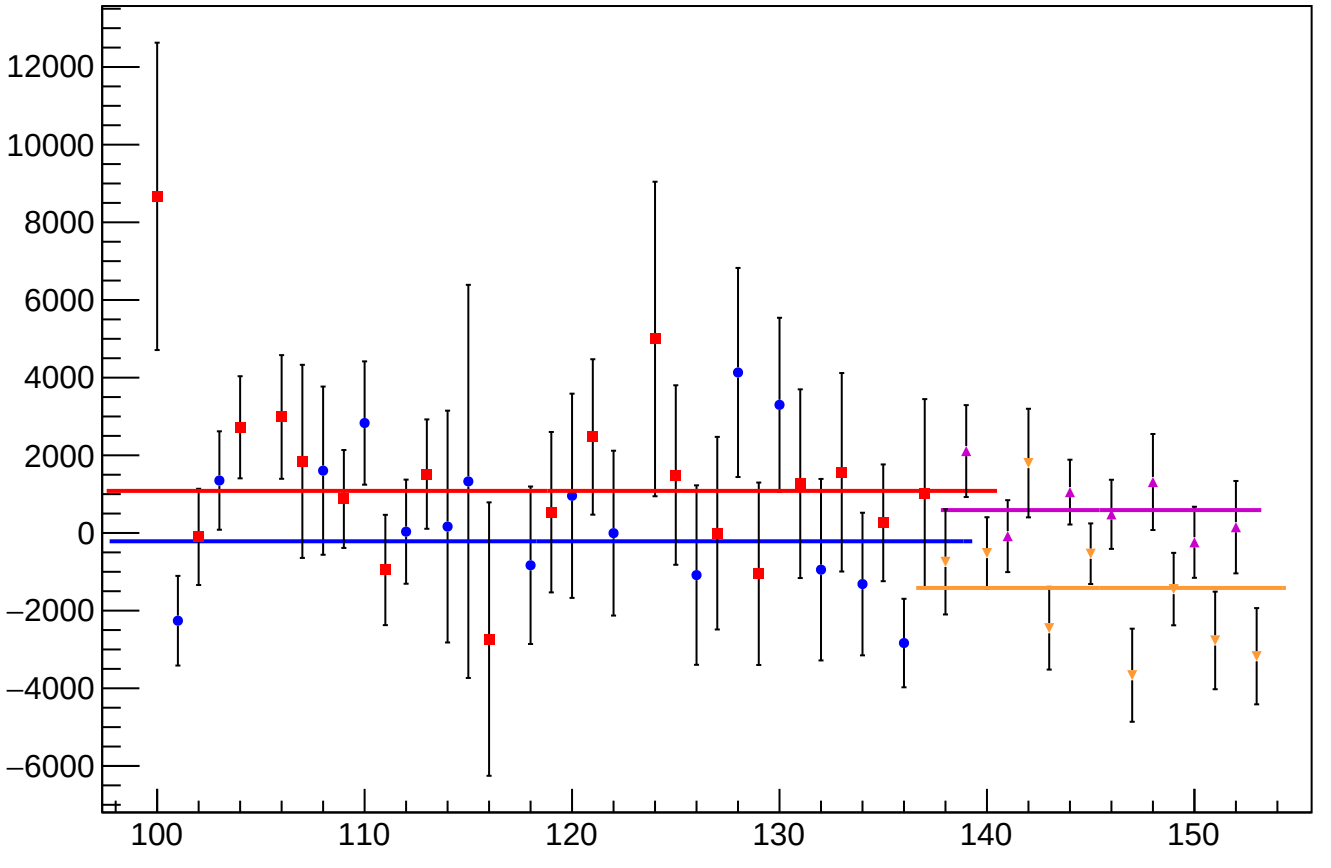
Left: 116.772+/-0.023 χ^2/NDF: 487012.4/15

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 113.523+/-0.022 χ^2/NDF:508063.8/22

Out: 113.126+/-0.021 χ^2/NDF:700058.4/27

All: 113.316+/-0.015 χ^2/NDF: 1208287.7/50



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1415.514+/-356.197 χ^2/NDF:15.4/8

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 589.434+/-374.468 χ^2/NDF:3.8/6

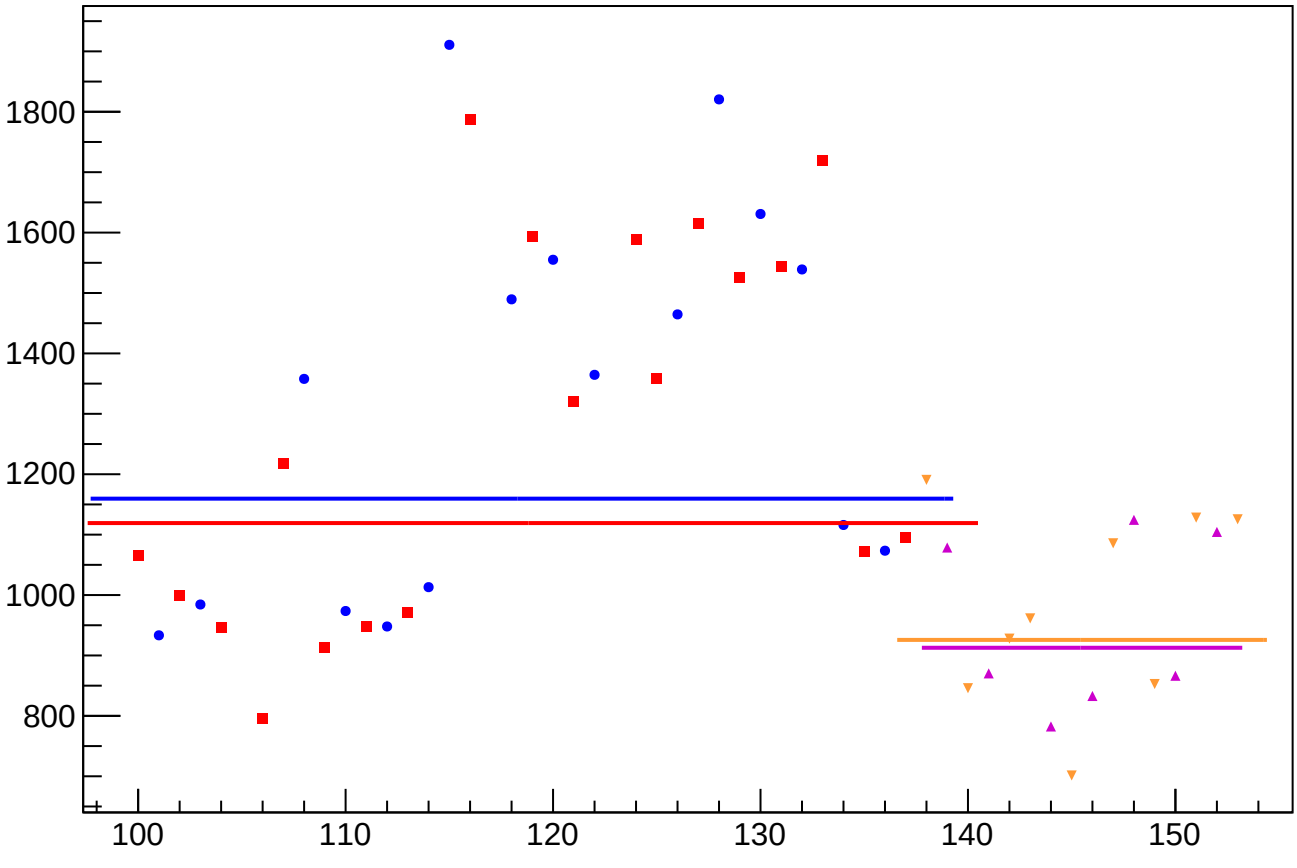
Left: -463.145+/-258.087 χ^2/NDF: 34.2/15

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 255.337+/-286.243 χ^2/NDF:26.2/22

Out: -380.729+/-272.670 χ^2/NDF:49.7/27

All: -78.134+/-197.431 χ^2/NDF: 78.4/50


asym_sam_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
1800
1600
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1200
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800
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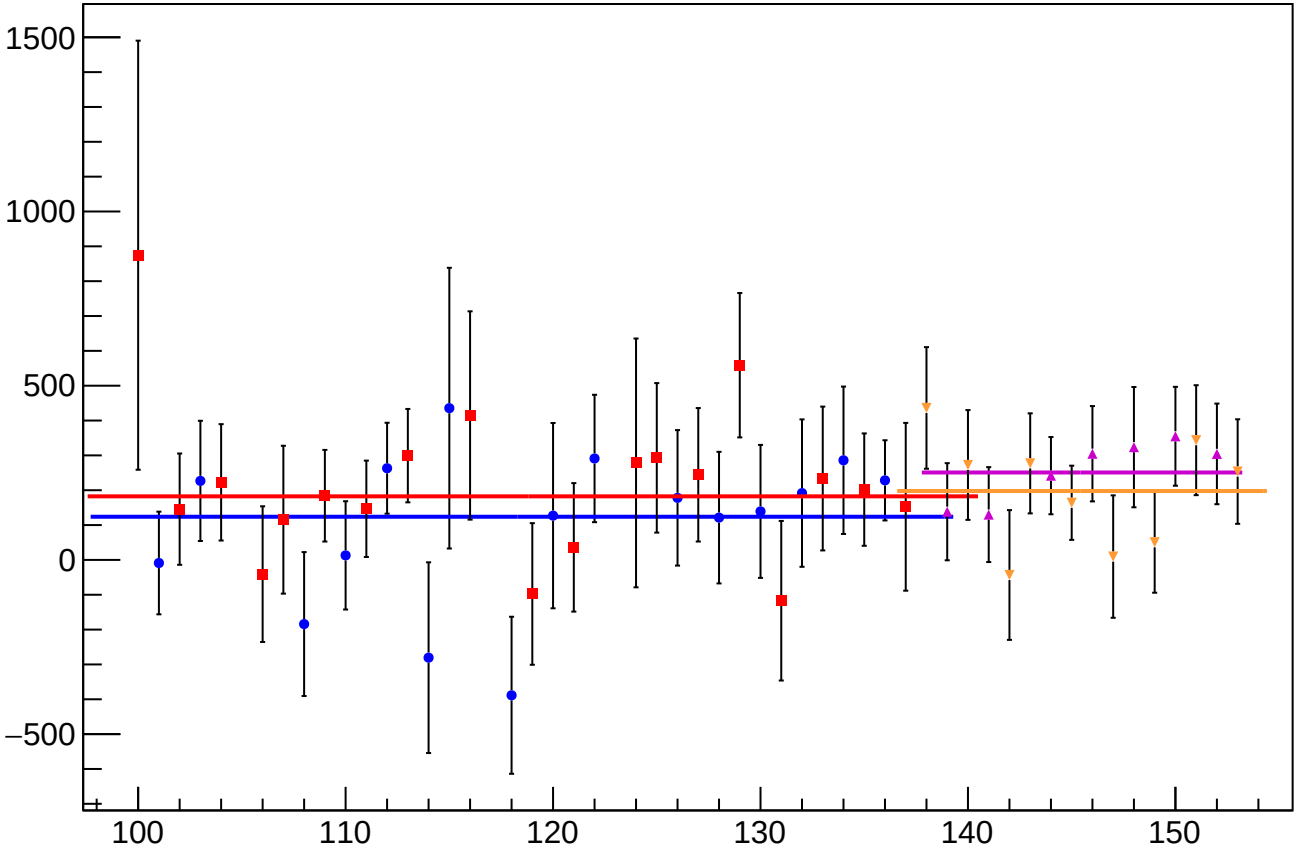
120
130
140
150
Right In: 1159.576+/-0.314 χ²/NDF: 683662.2/15
Left Out: 925.763+/-0.252 χ²/NDF:410740.0/8
Right Out: 1119.156+/-0.300 χ²/NDF: 803154.6/18
Left In: 912.740+/-0.265 χ²/NDF:224068.6/6
Left: 919.577+/-0.182 χ²/NDF: 636078.4/15
Right: 1138.426+/-0.217 χ²/NDF: 1495491.5/34
In: 1015.348+/-0.202 χ²/NDF:1268968.6/22
Out: 1005.828+/-0.193 χ²/NDF:1457977.3/27
All: 1010.357+/-0.140 χ²/NDF: 2728105.6/50

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 197.745+/-49.793 χ^2/NDF:7.3/8

Right Out: 182.467+/-43.224 χ^2/NDF: 12.3/18

Left In: 250.898+/-51.886 χ^2/NDF:2.5/6

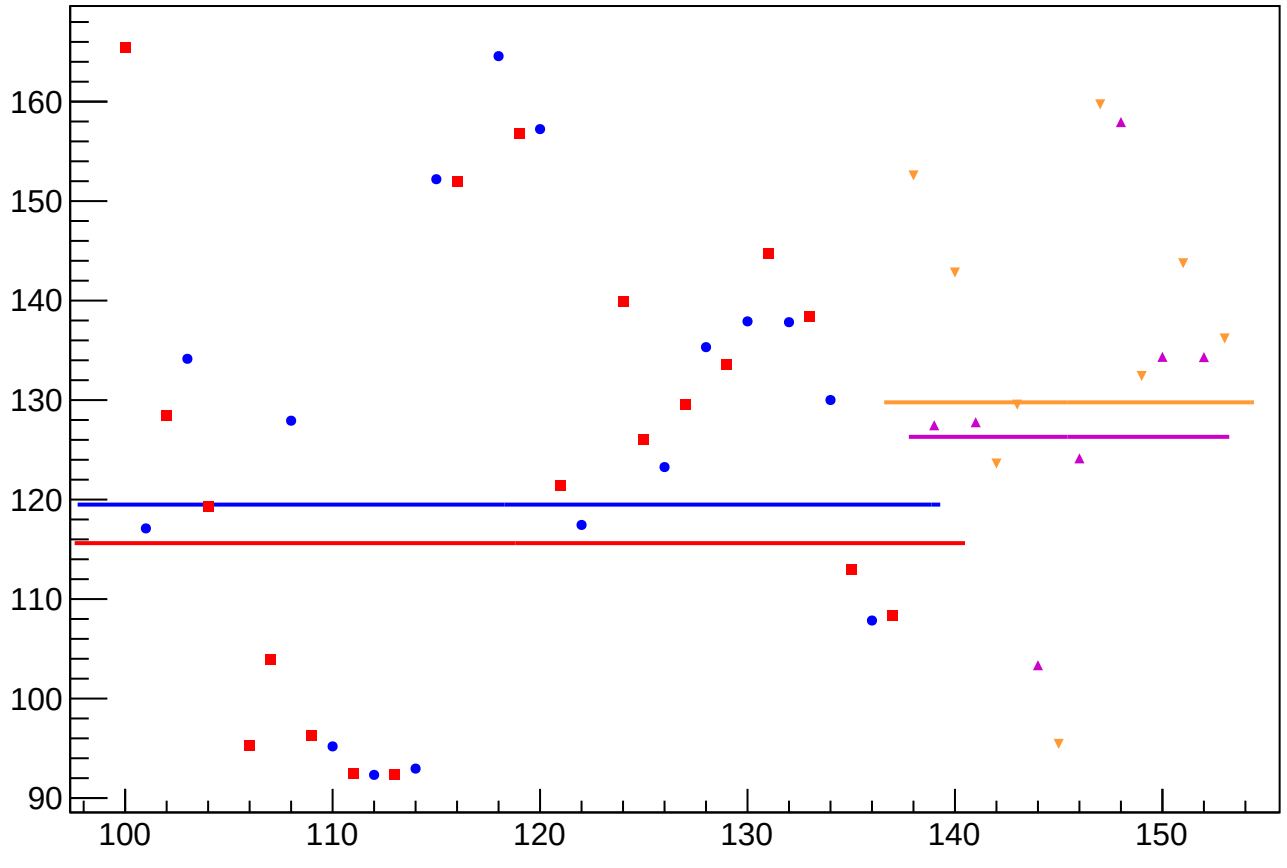
Left: 223.228+/-35.926 χ^2/NDF: 10.3/15

Right: 154.513+/-31.252 χ^2/NDF: 28.6/34

In: 178.743+/-34.098 χ^2/NDF:21.3/22

Out: 189.033+/-32.641 χ^2/NDF:19.7/27

All: 184.112+/-23.579 χ^2/NDF: 41.0/50



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 129.773+/-0.035 χ^2/NDF:336170.9/8

Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 126.306+/-0.037 χ^2/NDF:166456.1/6

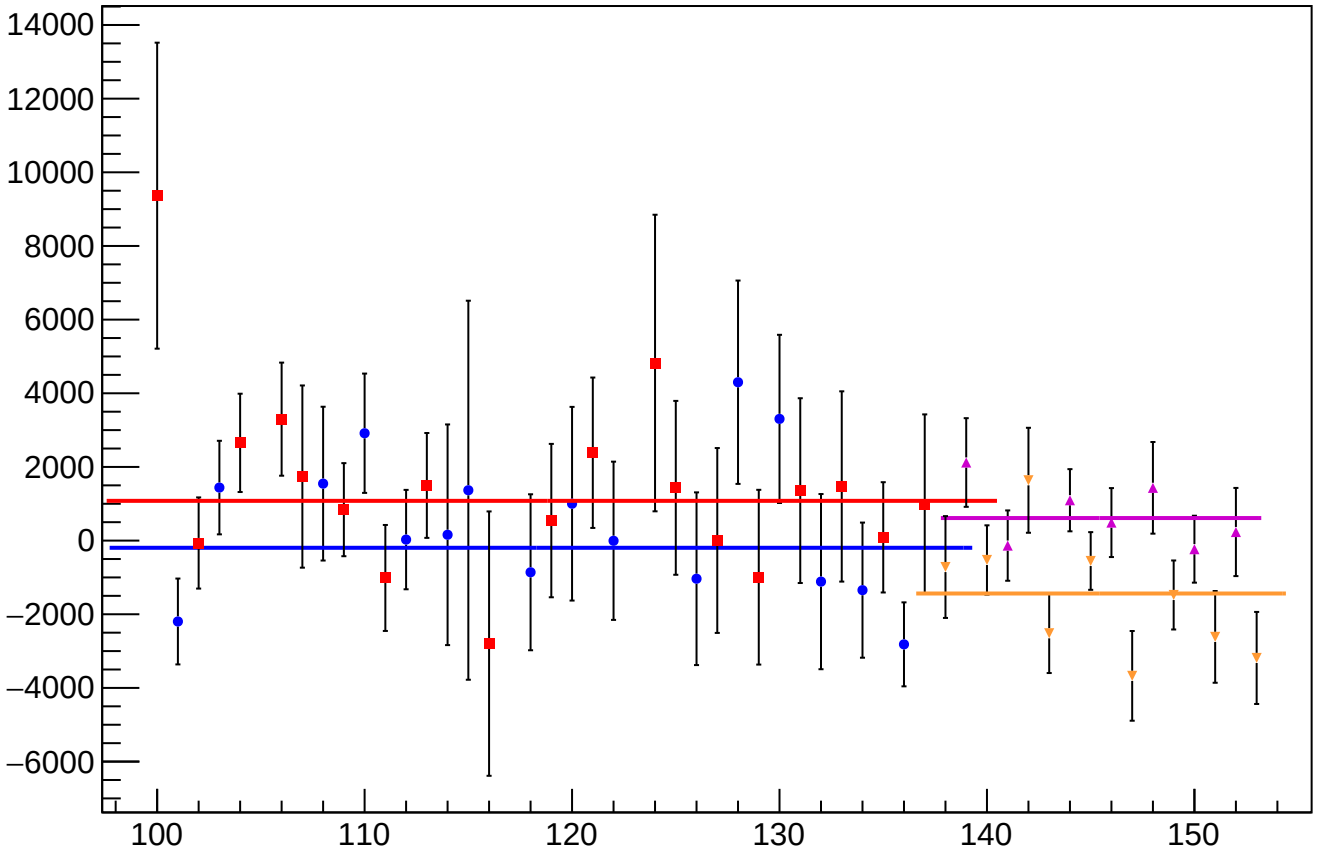
Left: 128.111+/-0.025 χ^2/NDF: 507277.9/15

Right: 117.470+/-0.022 χ^2/NDF: 814875.1/34

In: 122.436+/-0.024 χ^2/NDF:566286.8/22

Out: 121.703+/-0.023 χ^2/NDF:855260.2/27

All: 122.054+/-0.017 χ^2/NDF: 1422029.2/50



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1436.453+/-359.603 χ^2/NDF:14.4/8

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 612.473+/-381.078 χ^2/NDF:3.9/6

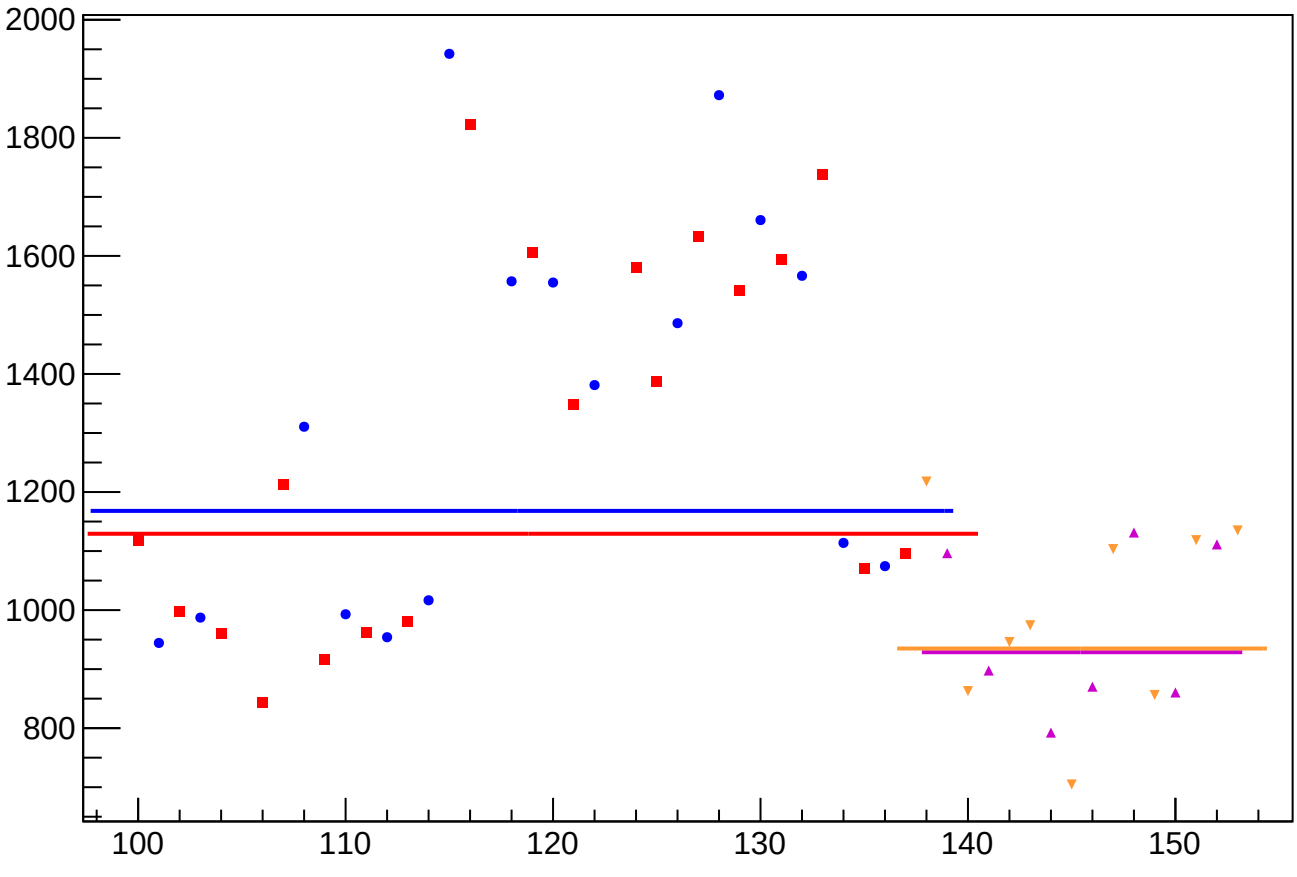
Left: -471.344+/-261.540 χ^2/NDF: 33.6/15

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 272.871+/-290.088 χ^2/NDF:26.2/22

Out: -389.509+/-274.776 χ^2/NDF:49.3/27

All: -76.262+/-199.489 χ^2/NDF: 78.3/50



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 934.955+/-0.254 χ^2/NDF:418266.3/8

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

Left In: 928.667+/-0.269 χ^2/NDF:211723.4/6

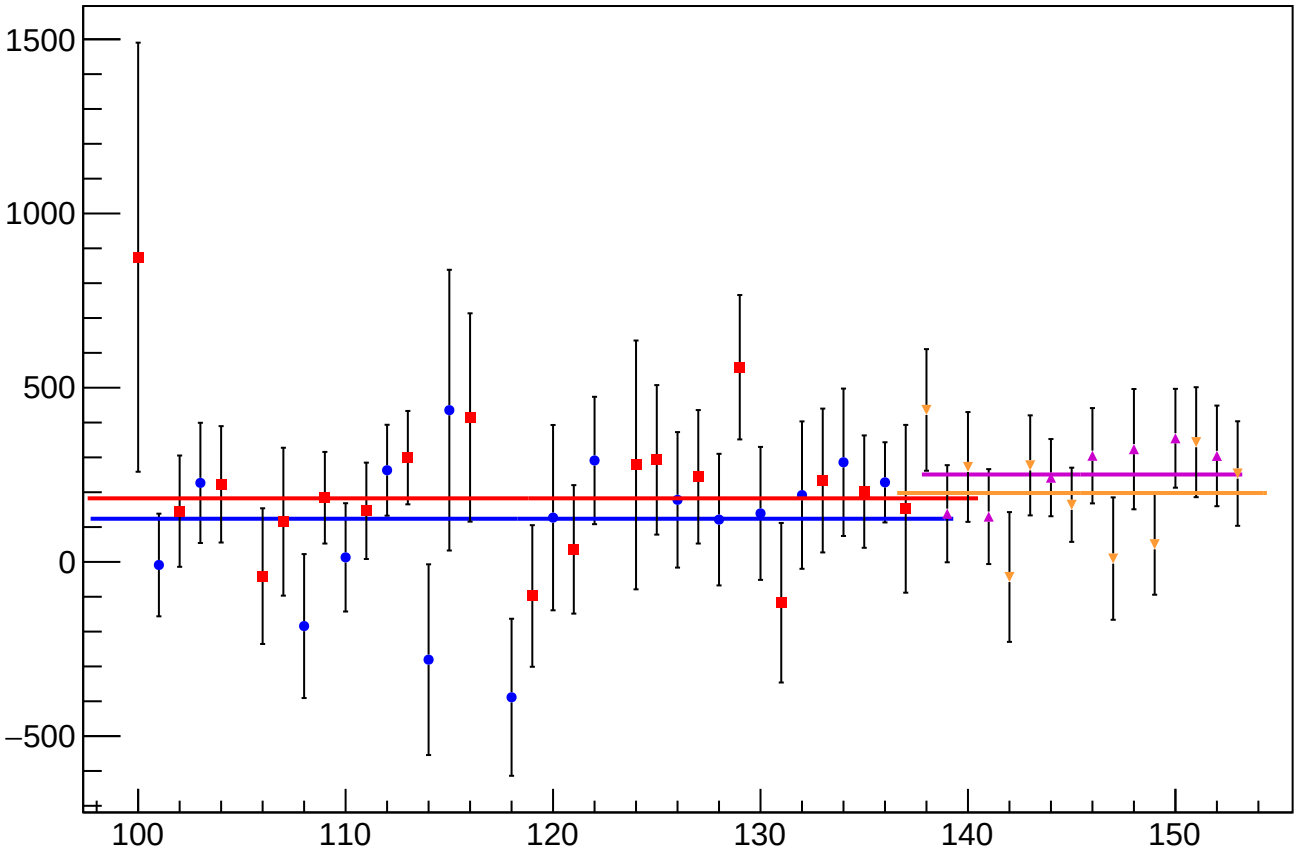
Left: 931.993+/-0.185 χ^2/NDF: 630277.7/15

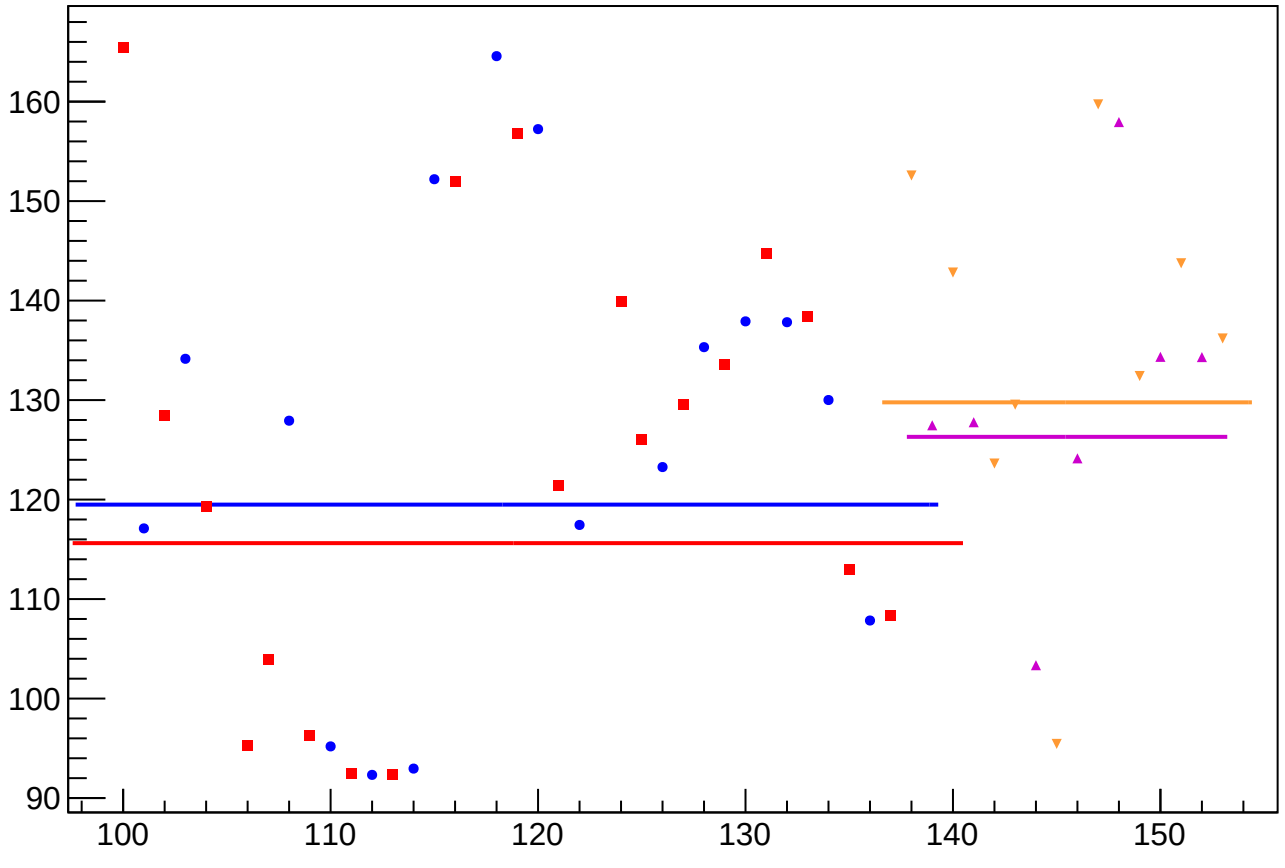
Right: 1147.741+/-0.218 χ^2/NDF: 1524455.8/34

In: 1029.340+/-0.205 χ^2/NDF:1253004.7/22

Out: 1015.836+/-0.194 χ^2/NDF:1468621.6/27

All: 1022.222+/-0.141 χ^2/NDF: 2723910.7/50


eigen_dit_asym_sam_48_dd_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
100
110
120
130
140
150
Right In: 123.895+/-45.238 χ²/NDF: 15.4/15
Left Out: 197.746+/-49.793 χ²/NDF:7.3/8
Right Out: 182.468+/-43.224 χ²/NDF: 12.3/18
Left In: 250.900+/-51.886 χ²/NDF:2.5/6
Left: 223.229+/-35.926 χ²/NDF: 10.3/15
Right: 154.514+/-31.252 χ²/NDF: 28.6/34
In: 178.745+/-34.098 χ²/NDF:21.3/22
Out: 189.033+/-32.641 χ²/NDF:19.7/27
All: 184.113+/-23.579 χ²/NDF: 41.0/50



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 129.774+/-0.035 χ^2/NDF:336168.6/8

Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 126.306+/-0.037 χ^2/NDF:166454.1/6

Left: 128.111+/-0.025 χ^2/NDF: 507273.5/15

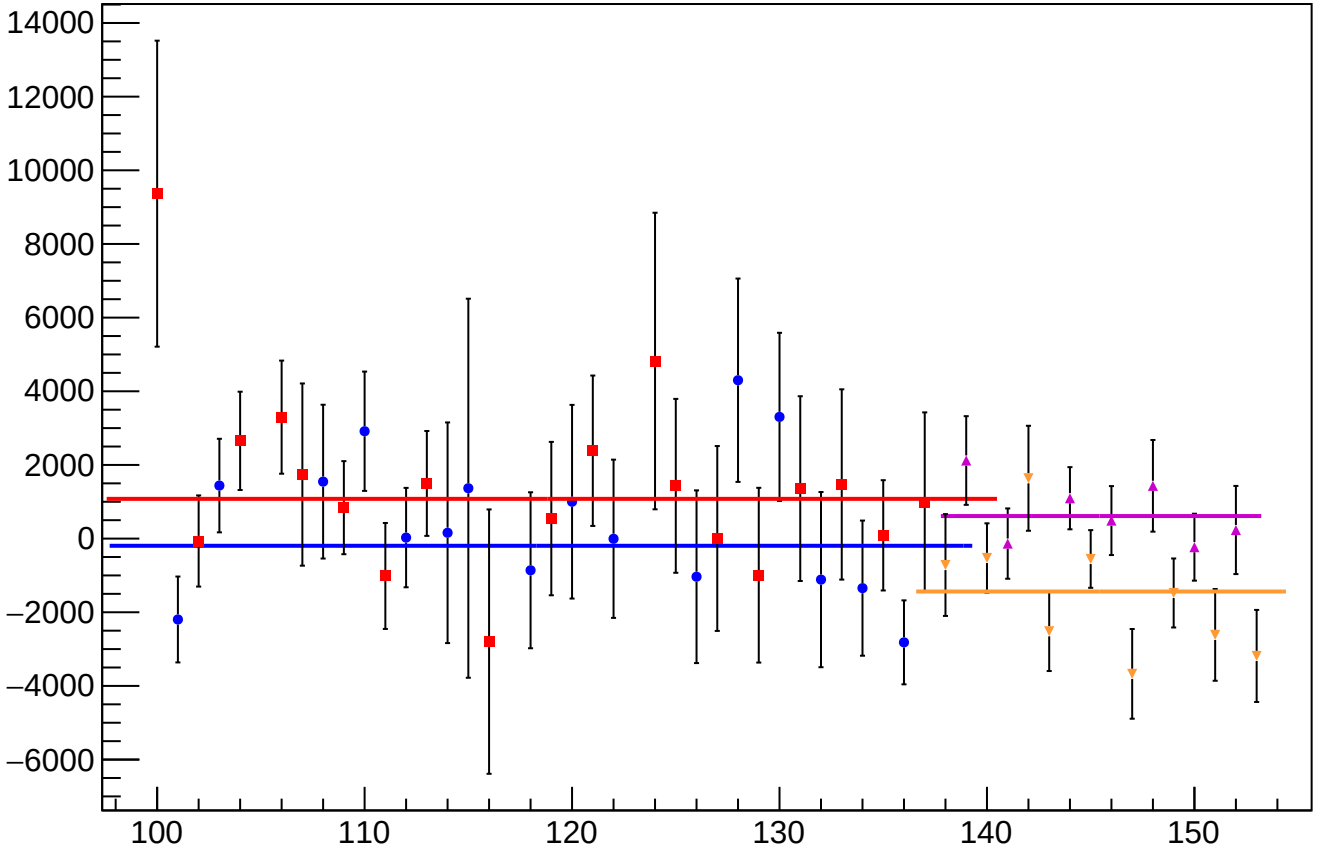
Right: 117.470+/-0.022 χ^2/NDF: 814883.4/34

In: 122.436+/-0.024 χ^2/NDF:566288.3/22

Out: 121.703+/-0.023 χ^2/NDF:855263.5/27

All: 122.054+/-0.017 χ^2/NDF: 1422034.1/50

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: -1436.451+/-359.603 χ^2/NDF:14.4/8

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 612.474+/-381.078 χ^2/NDF:3.9/6

Left: -471.343+/-261.540 χ^2/NDF: 33.6/15

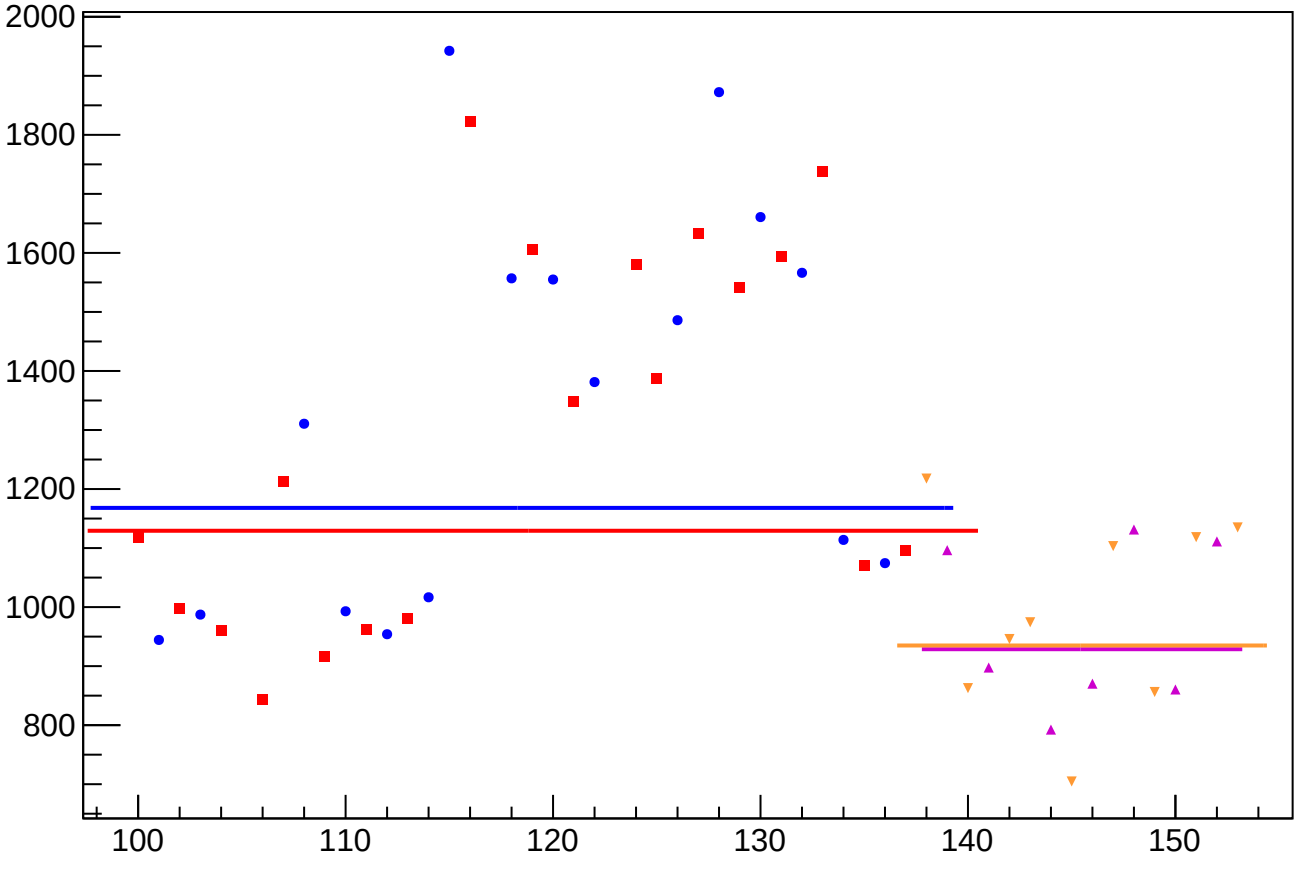
Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 272.871+/-290.088 χ^2/NDF:26.2/22

Out: -389.509+/-274.776 χ^2/NDF:49.3/27

All: -76.261+/-199.489 χ^2/NDF: 78.3/50

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: 934.954+/-0.254 χ^2/NDF:418269.5/8

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

Left In: 928.667+/-0.269 χ^2/NDF:211722.3/6

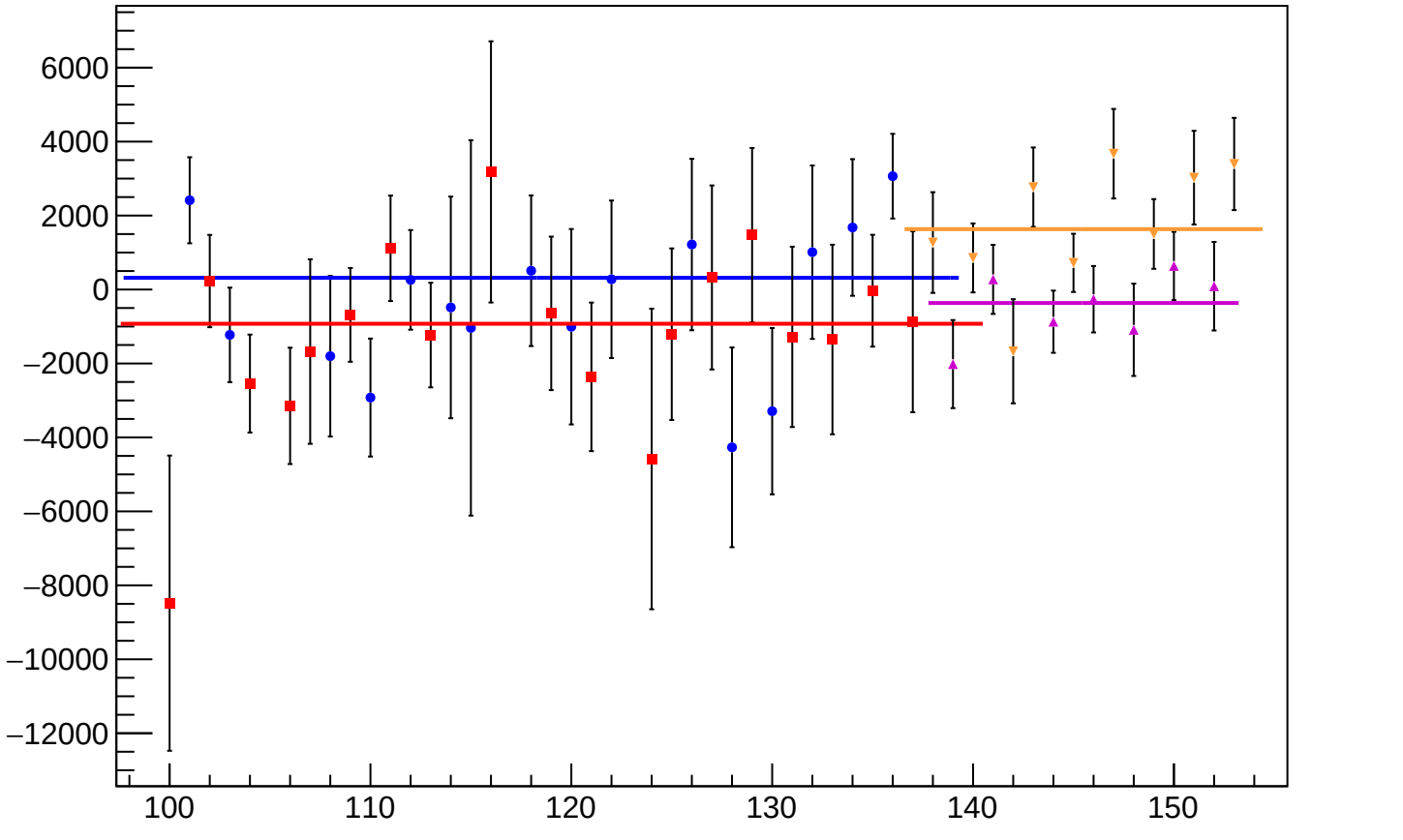
Left: 931.993+/-0.185 χ^2/NDF: 630279.8/15

Right: 1147.741+/-0.218 χ^2/NDF: 1524459.2/34

In: 1029.340+/-0.205 χ^2/NDF:1253005.1/22

Out: 1015.836+/-0.194 χ^2/NDF:1468627.8/27

All: 1022.222+/-0.141 χ^2/NDF: 2723917.4/50



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 1633.153+/-359.198 χ^2/NDF:14.8/8

Right Out: -926.036+/-425.405 χ^2/NDF: 14.5/18

Left In: -364.290+/-377.595 χ^2/NDF:4.4/6

Left: 684.276+/-260.252 χ^2/NDF: 33.9/15

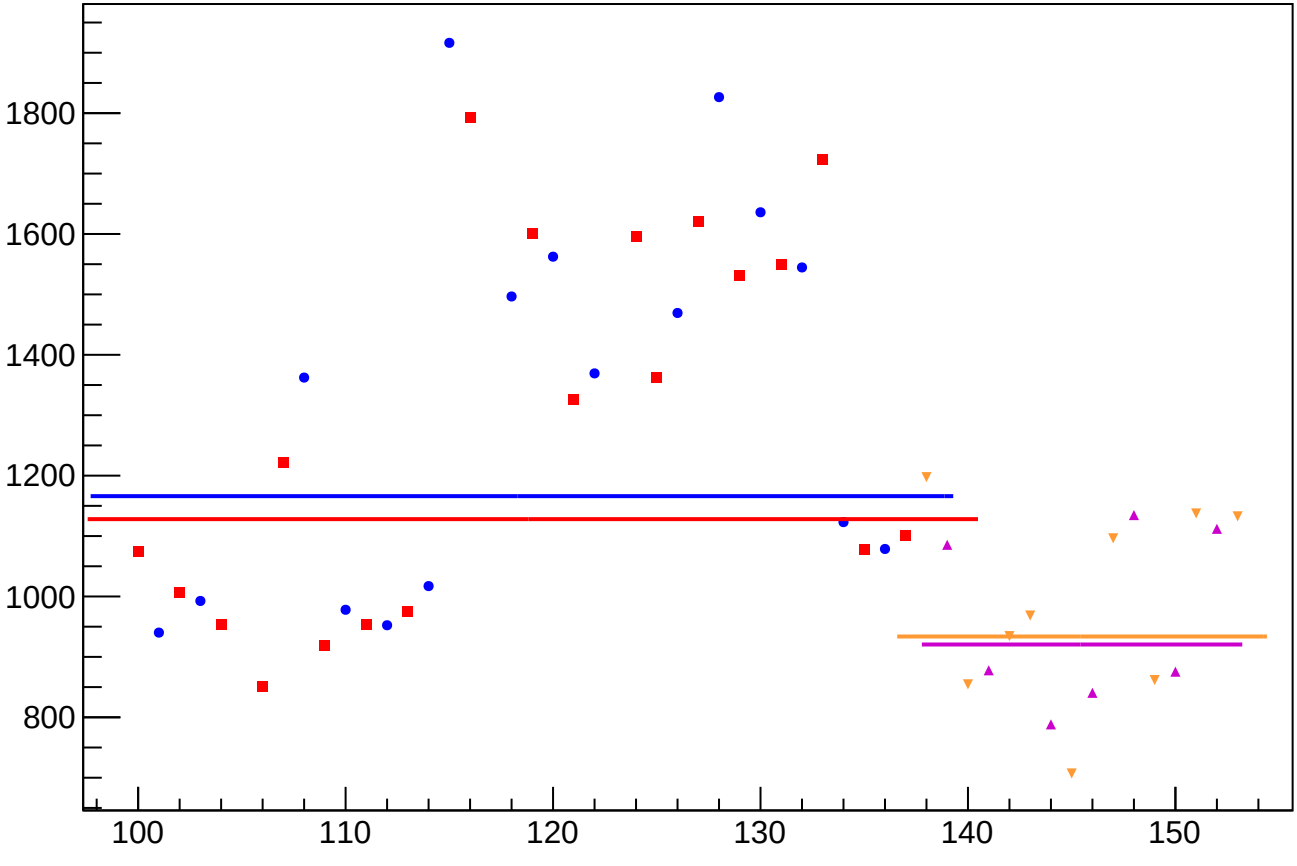
Right: -334.180+/-307.942 χ^2/NDF: 40.8/34

In: -79.944+/-288.276 χ^2/NDF:28.0/22

Out: 567.983+/-274.448 χ^2/NDF:50.5/27

All: 259.931+/-198.773 χ^2/NDF: 81.1/50

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 933.744+/-0.254 χ^2/NDF:407886.2/8

Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 920.506+/-0.267 χ^2/NDF:222698.6/6

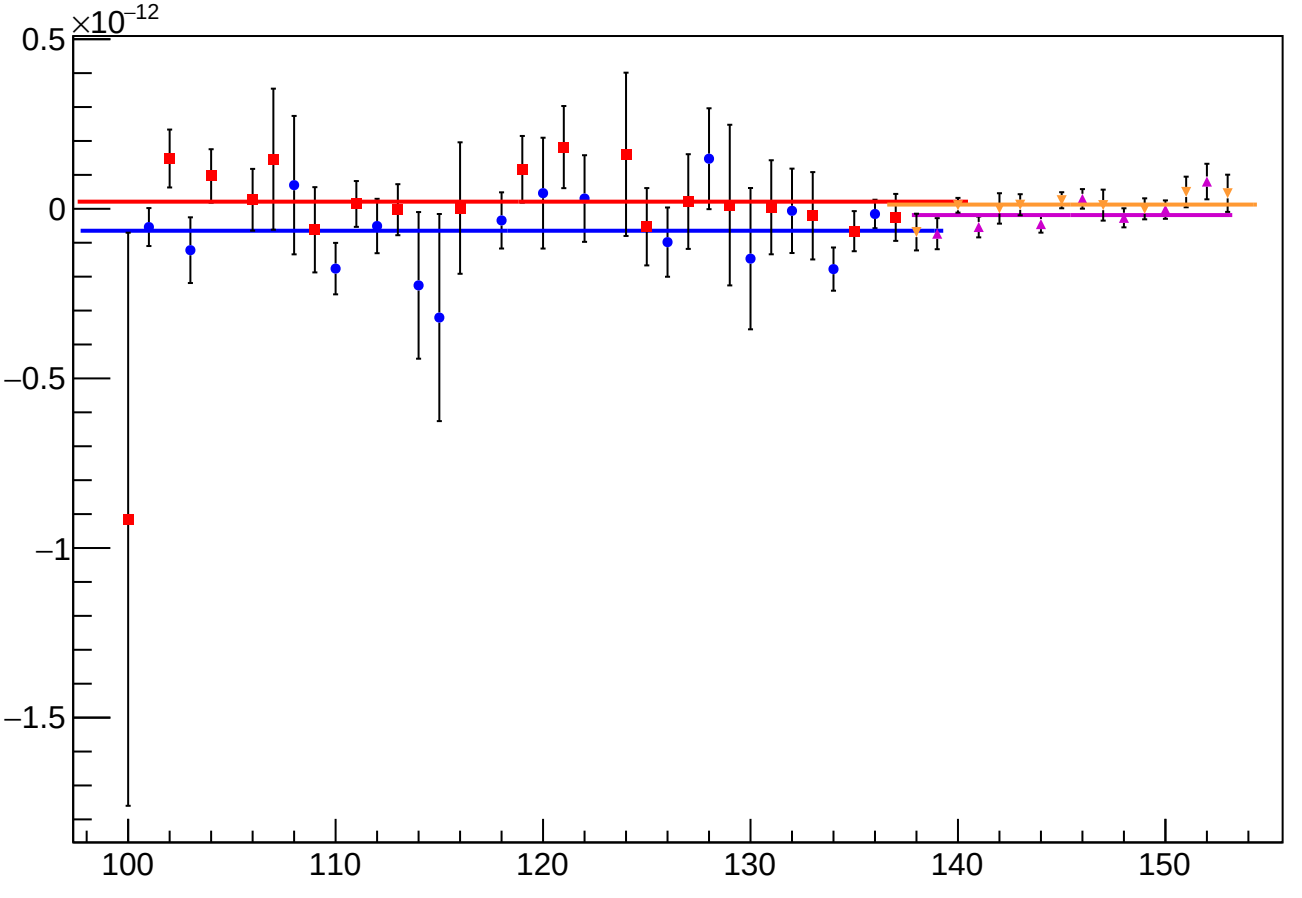
Left: 927.456+/-0.184 χ^2/NDF: 631875.1/15

Right: 1146.118+/-0.218 χ^2/NDF: 1460446.1/34

In: 1022.936+/-0.204 χ^2/NDF:1252571.2/22

Out: 1014.599+/-0.194 χ^2/NDF:1427129.1/27

All: 1018.562+/-0.141 χ^2/NDF: 2680577.7/50



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:3.8/8

Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:10.6/6

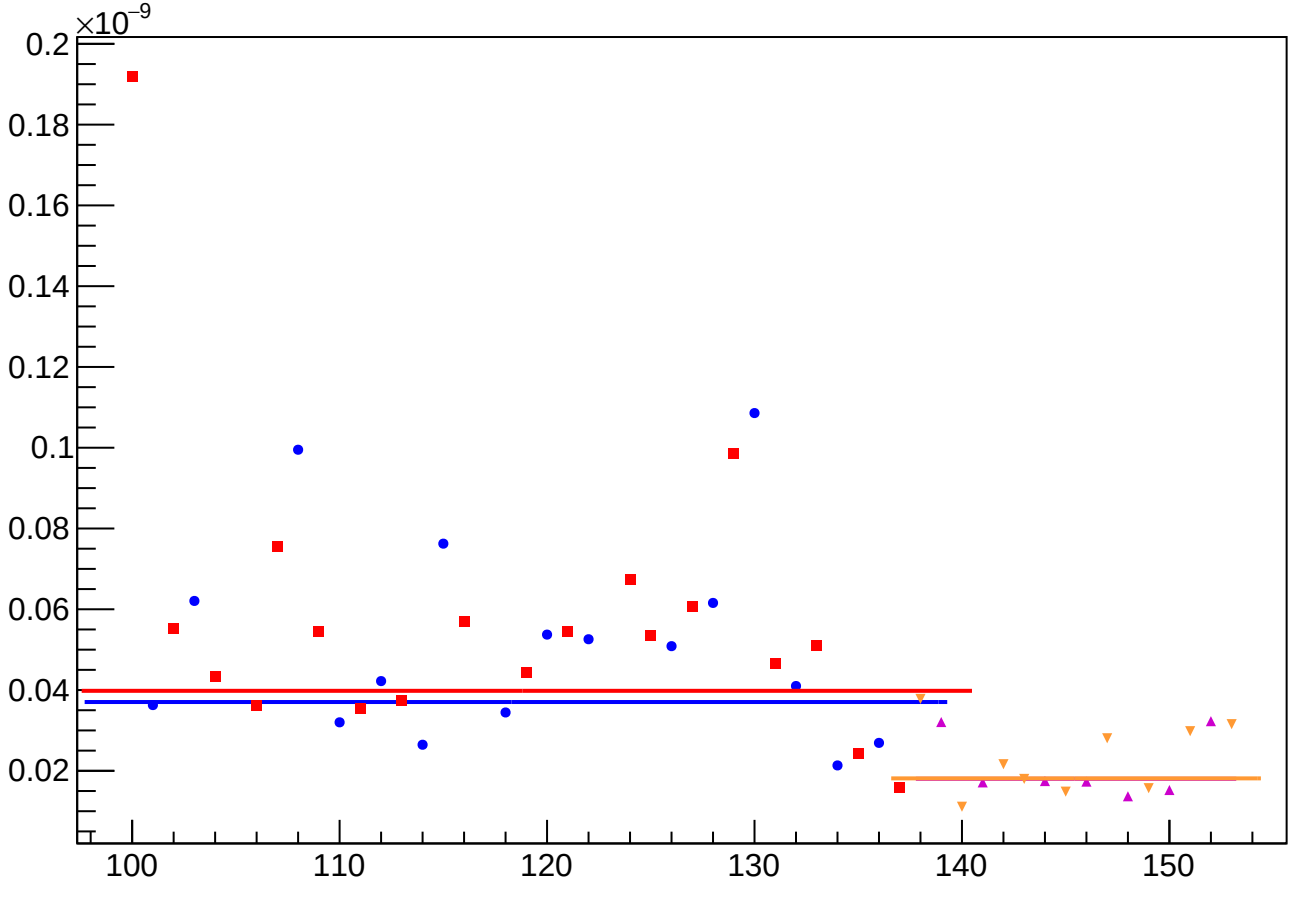
Left: -0.000+/-0.000 χ^2/NDF: 18.1/15

Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:26.5/22

Out: 0.000+/-0.000 χ^2/NDF:15.4/27

All: -0.000+/-0.000 χ^2/NDF: 50.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:885237.7/8

Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

Left In: 0.000+/-0.000 χ^2/NDF:408709.5/6

Left: 0.000+/-0.000 χ^2/NDF: 1294031.4/15

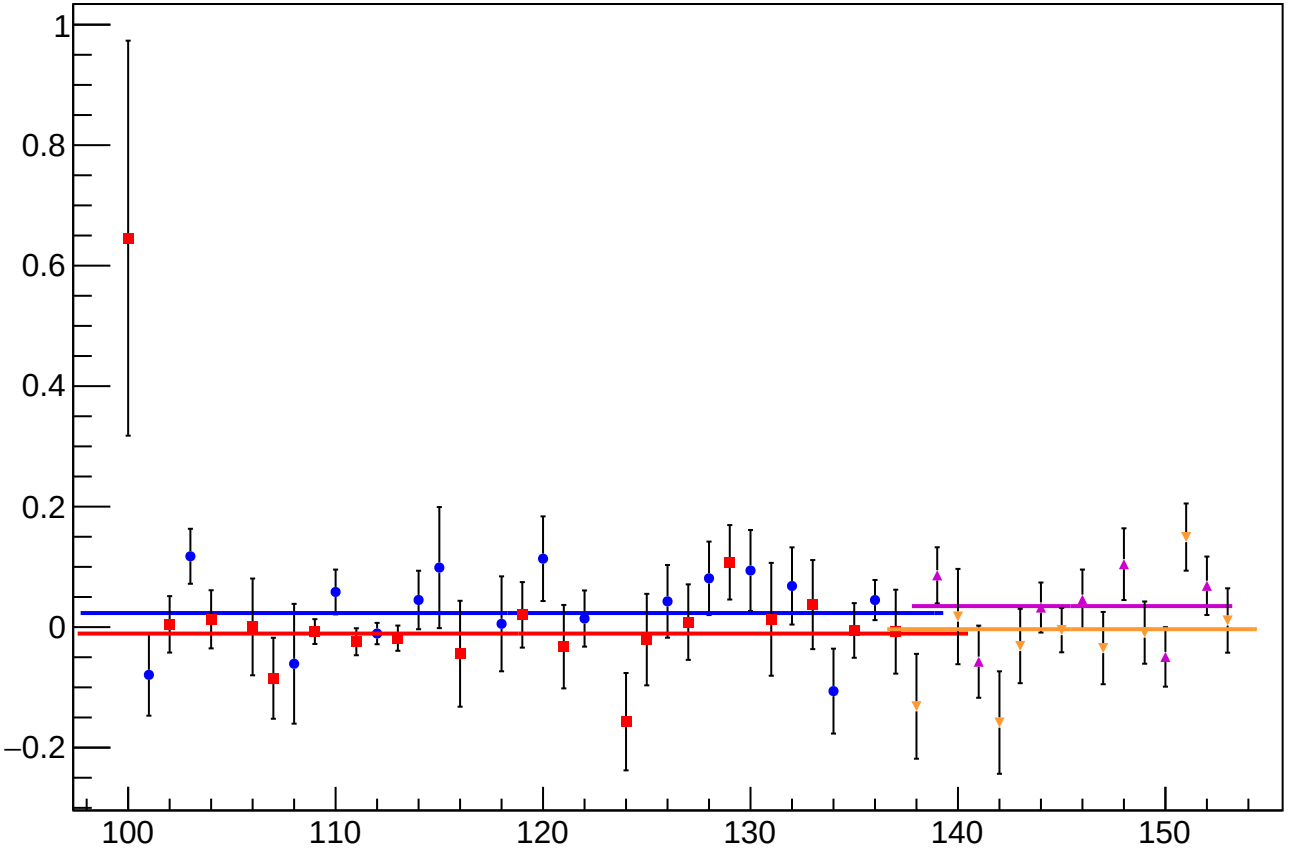
Right: 0.000+/-0.000 χ^2/NDF: 1914342.0/34

In: 0.000+/-0.000 χ^2/NDF:2581612.9/22

Out: 0.000+/-0.000 χ^2/NDF:3219094.3/27

All: 0.000+/-0.000 χ^2/NDF: 5800769.9/50

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.003+/-0.019 χ^2/NDF:13.6/8

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.035+/-0.019 χ^2/NDF:8.4/6

Left: 0.016+/-0.013 χ^2/NDF: 24.1/15

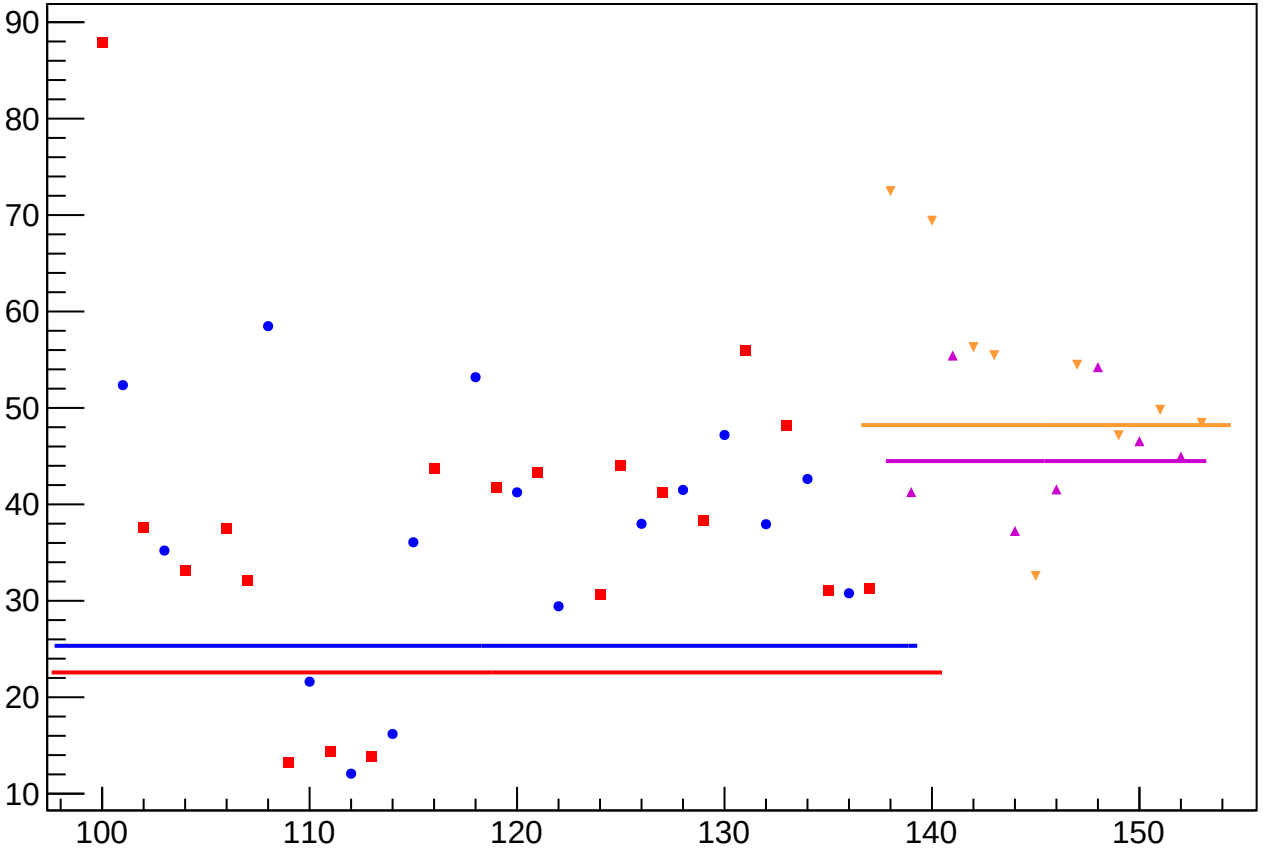
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.026+/-0.010 χ^2/NDF:29.4/22

Out: -0.009+/-0.009 χ^2/NDF:28.0/27

All: 0.007+/-0.006 χ^2/NDF: 65.0/50

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 48.221+/-0.013 χ^2/NDF:729341.4/8

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 44.488+/-0.013 χ^2/NDF:201282.3/6

Left: 46.327+/-0.009 χ^2/NDF: 969567.8/15

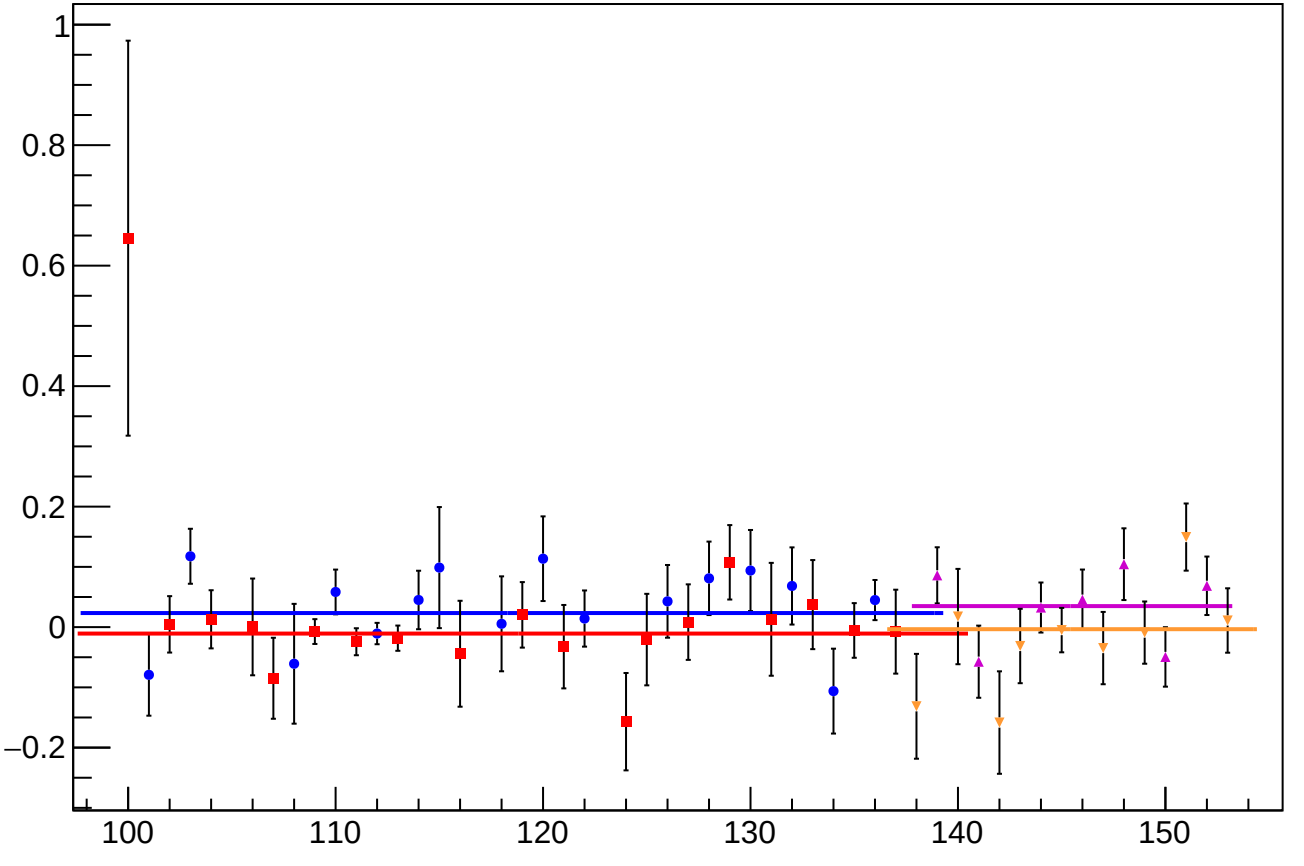
Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 30.274+/-0.007 χ^2/NDF:4671078.7/22

Out: 27.938+/-0.006 χ^2/NDF:6734714.7/27

All: 29.001+/-0.005 χ^2/NDF: 11471173.7/50

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.003+/-0.019 χ^2/NDF:13.6/8

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.035+/-0.019 χ^2/NDF:8.4/6

Left: 0.016+/-0.013 χ^2/NDF: 24.1/15

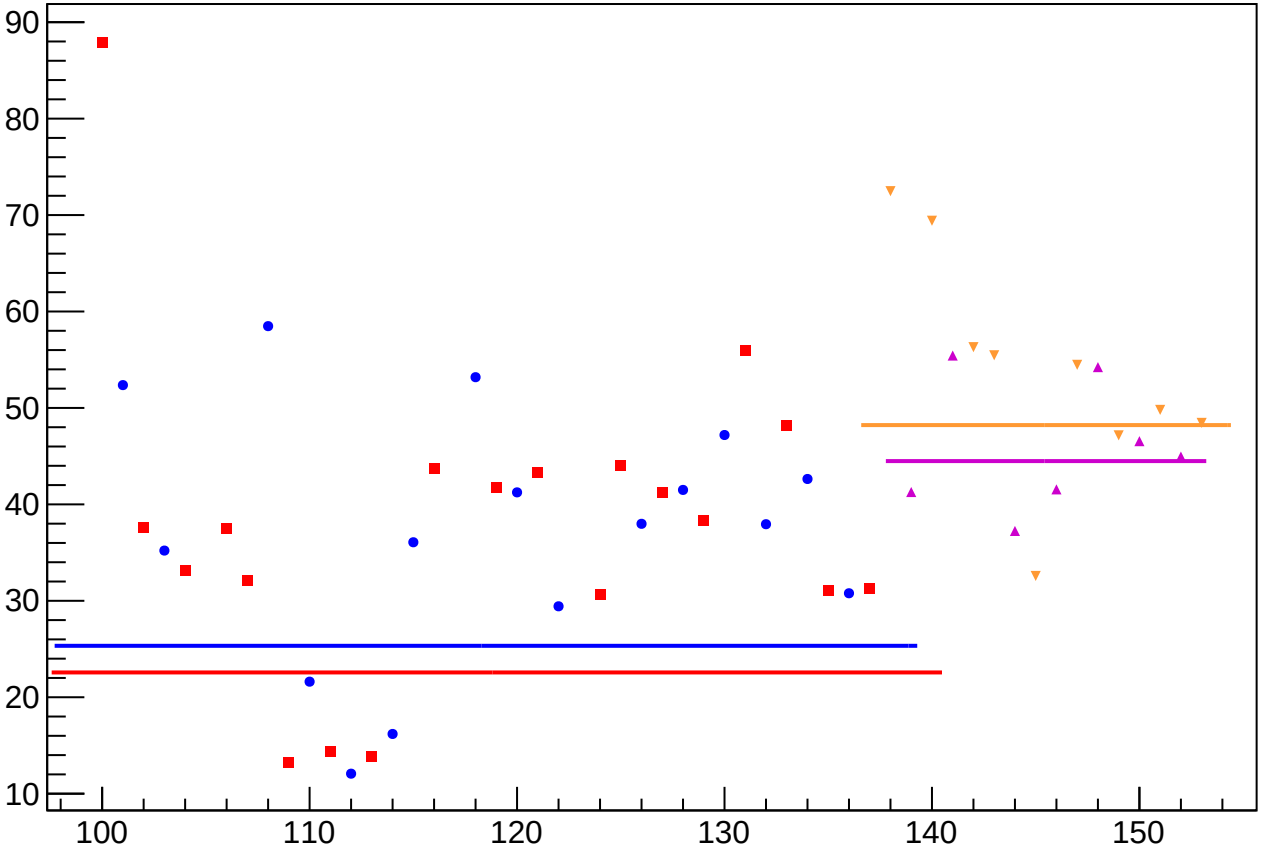
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.026+/-0.010 χ^2/NDF:29.4/22

Out: -0.009+/-0.009 χ^2/NDF:28.0/27

All: 0.007+/-0.006 χ^2/NDF: 65.0/50

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: 48.221+/-0.013 χ^2/NDF:729341.4/8

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 44.488+/-0.013 χ^2/NDF:201282.3/6

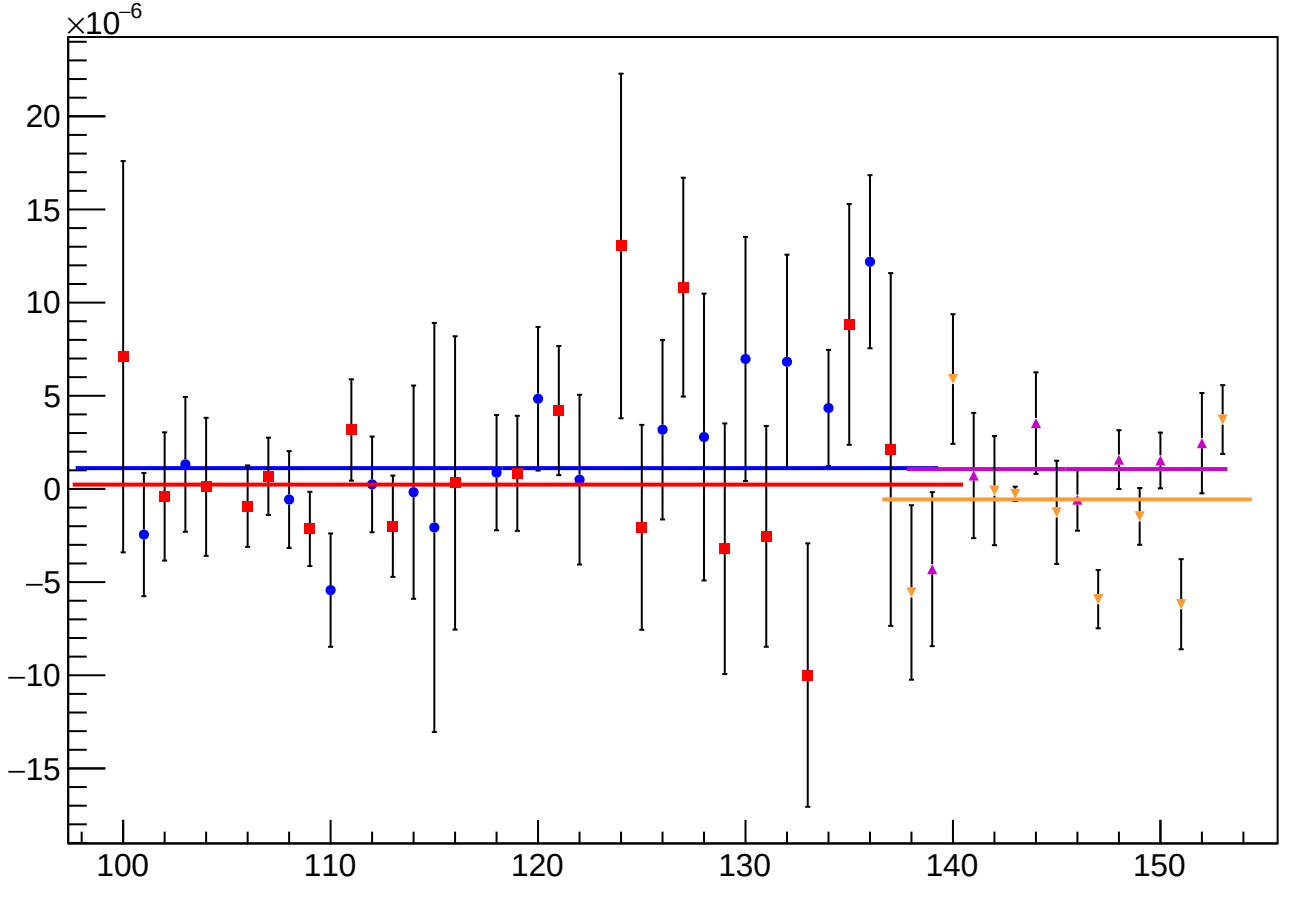
Left: 46.327+/-0.009 χ^2/NDF: 969567.8/15

Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 30.274+/-0.007 χ^2/NDF:4671078.7/22

Out: 27.938+/-0.006 χ^2/NDF:6734714.7/27

All: 29.001+/-0.005 χ^2/NDF: 11471173.7/50



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.1/8

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.000 χ^2/NDF:4.0/6

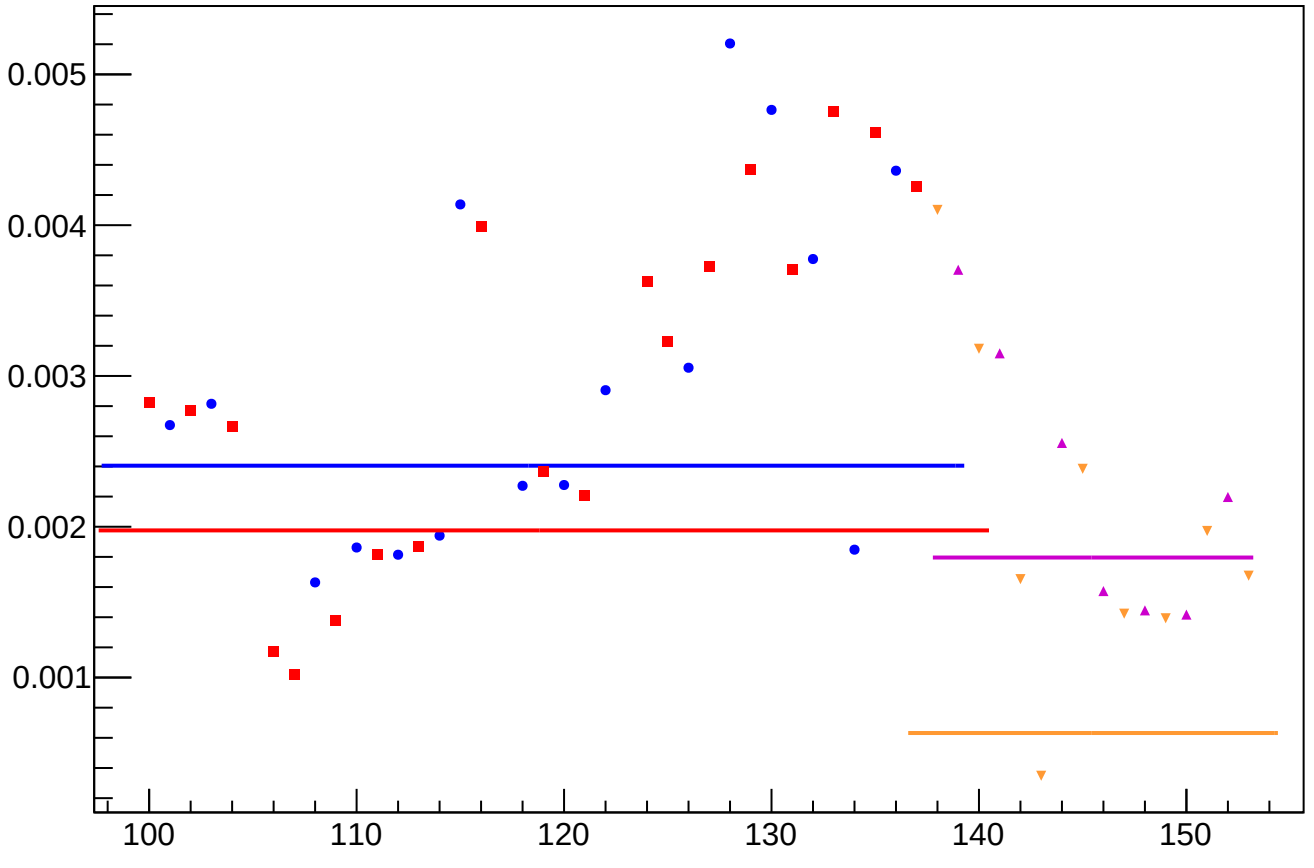
Left: -0.000+/-0.000 χ^2/NDF: 35.7/15

Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: 0.000+/-0.000 χ^2/NDF:20.2/22

Out: -0.000+/-0.000 χ^2/NDF:44.1/27

All: -0.000+/-0.000 χ^2/NDF: 69.2/50



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:6554561.1/8

Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.002+/-0.000 χ^2/NDF:1212702.9/6

Left: 0.001+/-0.000 χ^2/NDF: 11456850.5/15

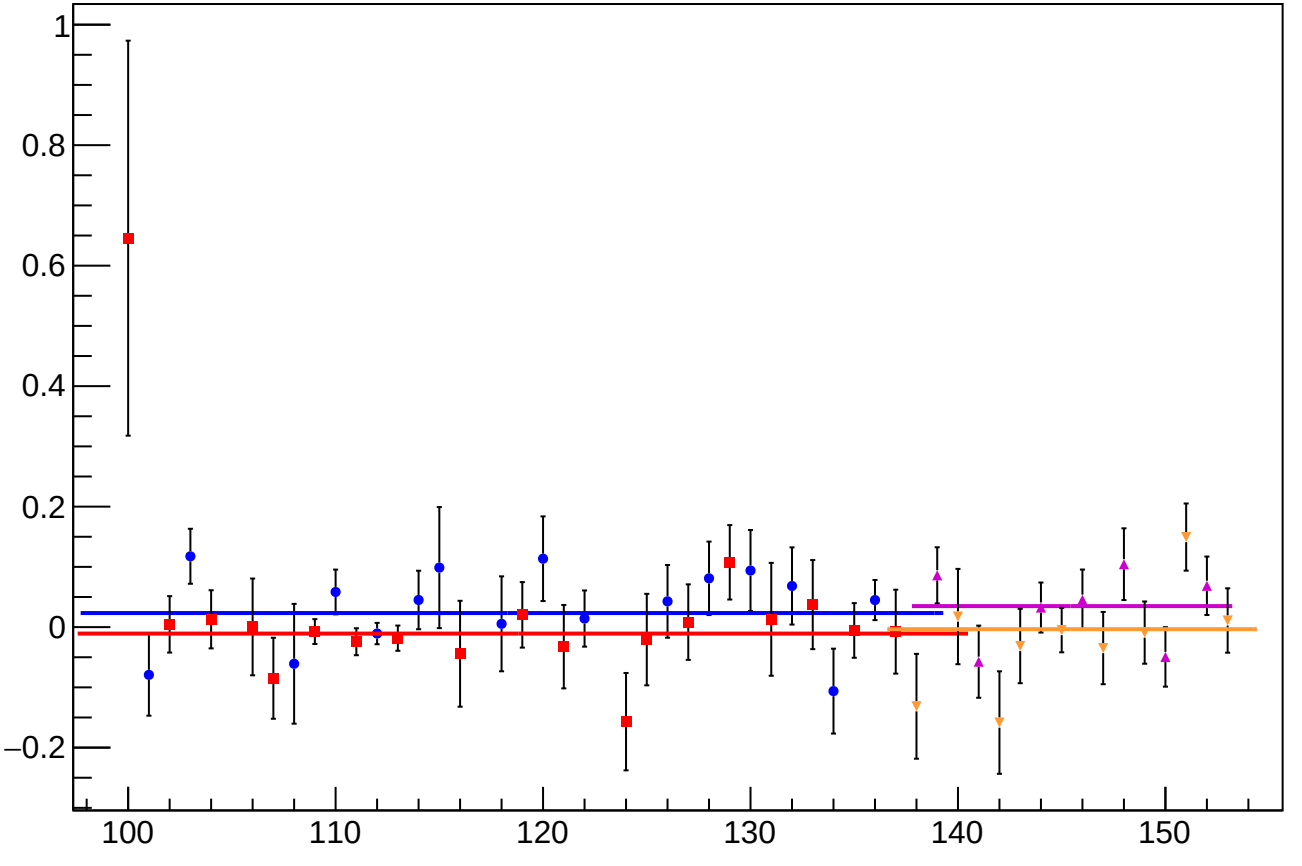
Right: 0.002+/-0.000 χ^2/NDF: 4581712.7/34

In: 0.002+/-0.000 χ^2/NDF:3270806.2/22

Out: 0.001+/-0.000 χ^2/NDF:13962058.1/27

All: 0.001+/-0.000 χ^2/NDF: 23422112.2/50

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.003+/-0.019 χ^2/NDF:13.6/8

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.035+/-0.019 χ^2/NDF:8.4/6

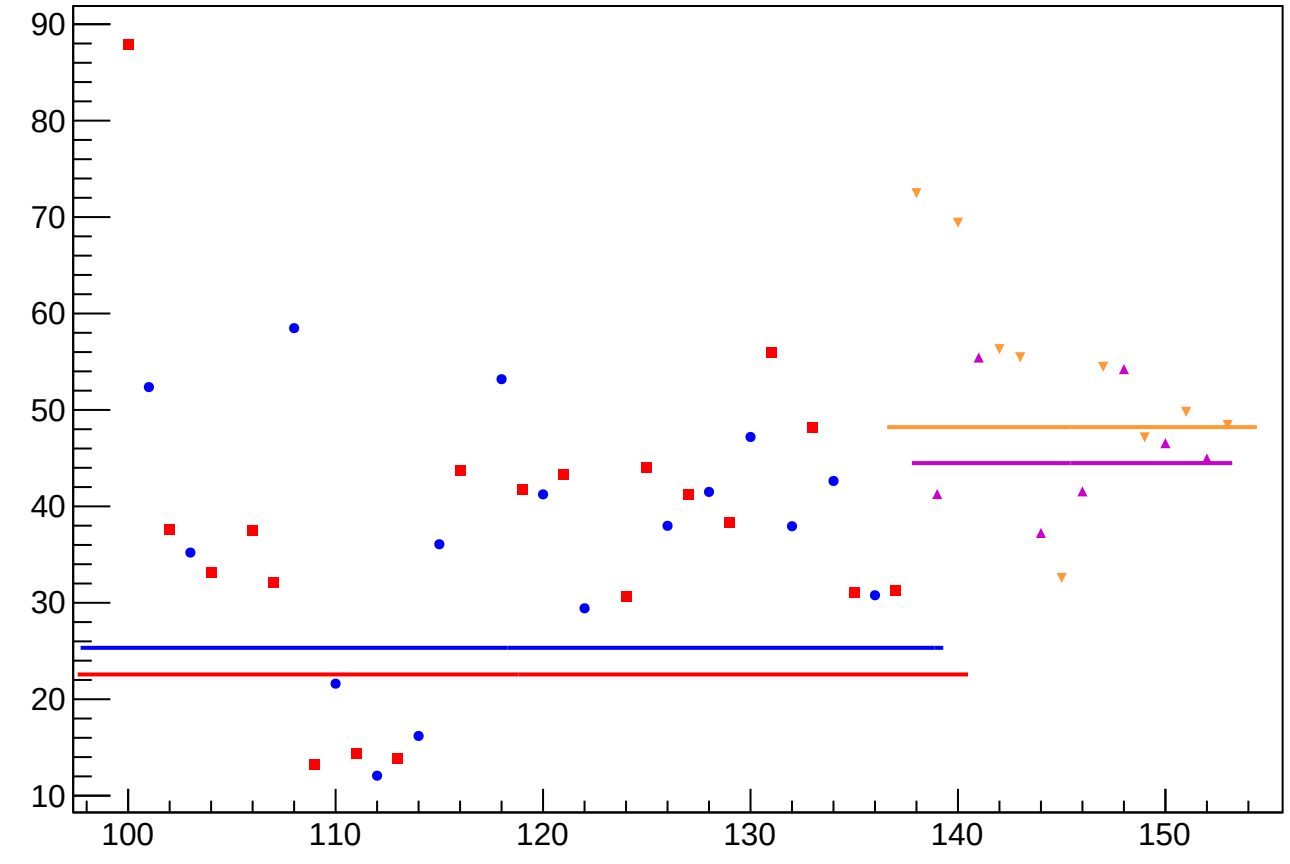
Left: 0.016+/-0.013 χ^2/NDF: 24.1/15

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.026+/-0.010 χ^2/NDF:29.4/22

Out: -0.009+/-0.009 χ^2/NDF:28.0/27

All: 0.007+/-0.006 χ^2/NDF: 65.0/50



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 48.221+/-0.013 χ^2/NDF:729310.6/8

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 44.488+/-0.013 χ^2/NDF:201270.3/6

Left: 46.327+/-0.009 χ^2/NDF: 969524.2/15

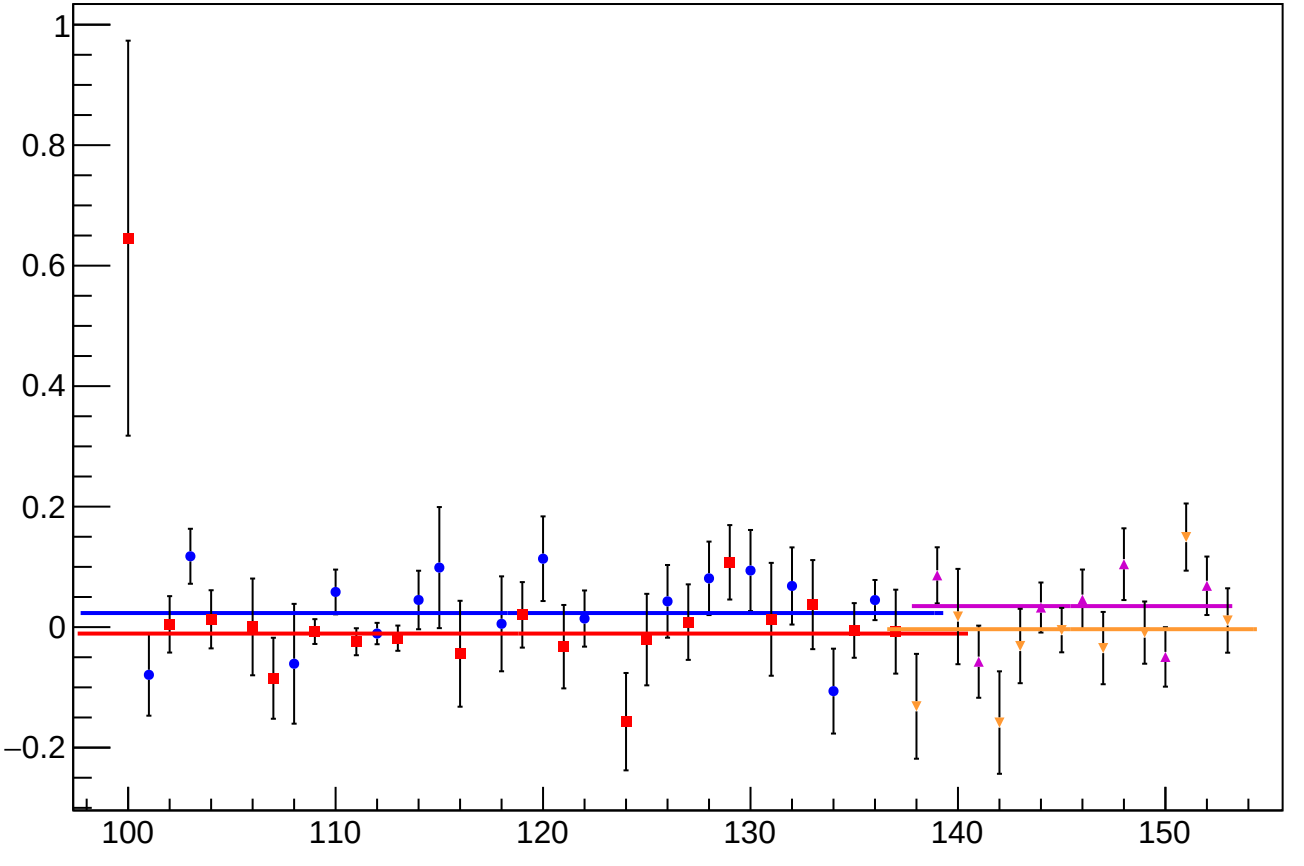
Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 30.273+/-0.007 χ^2/NDF:4671763.1/22

Out: 27.938+/-0.006 χ^2/NDF:6734957.9/27

All: 29.001+/-0.005 χ^2/NDF: 11472054.7/50

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.003+/-0.019 χ^2/NDF:13.6/8

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.035+/-0.019 χ^2/NDF:8.4/6

Left: 0.016+/-0.013 χ^2/NDF: 24.1/15

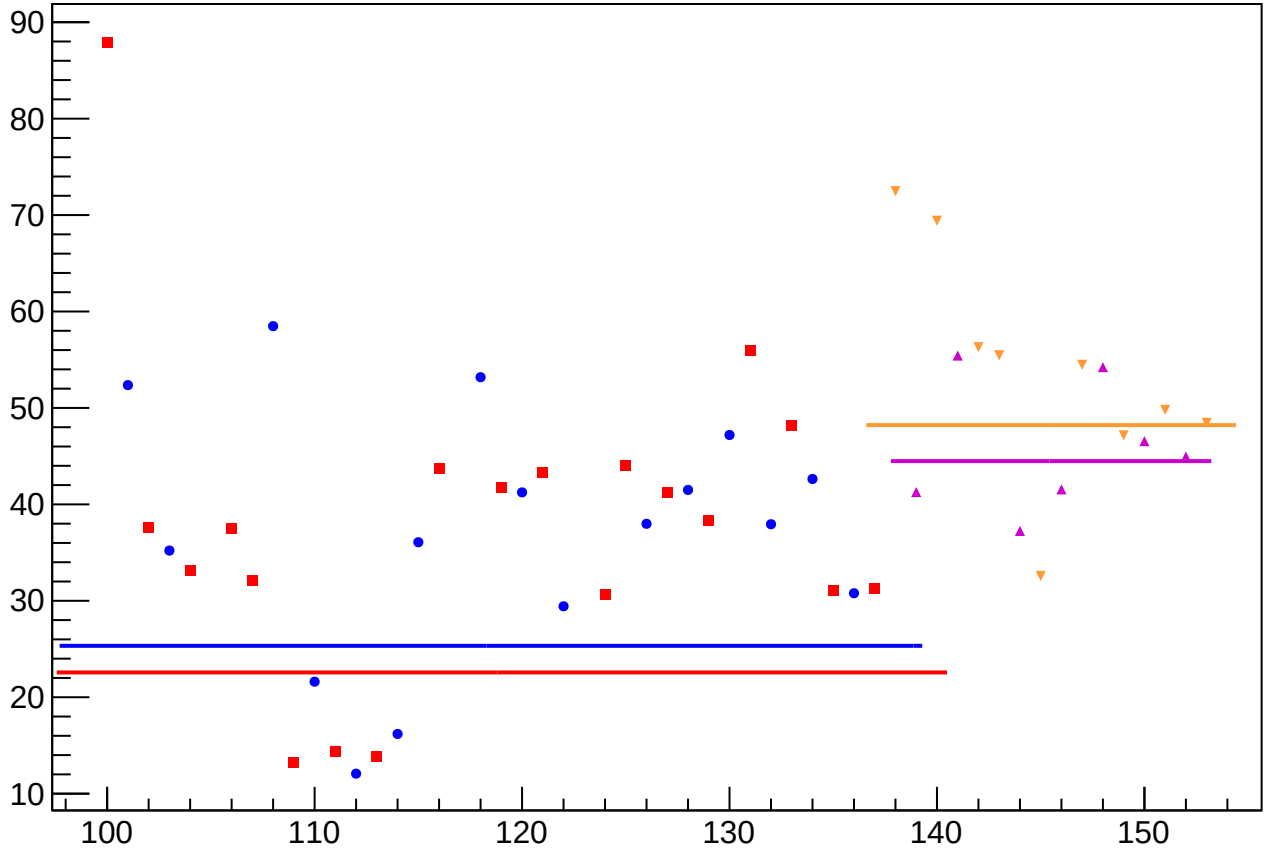
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.026+/-0.010 χ^2/NDF:29.4/22

Out: -0.009+/-0.009 χ^2/NDF:28.0/27

All: 0.007+/-0.006 χ^2/NDF: 65.0/50

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: 48.221+/-0.013 χ^2/NDF:729310.6/8

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 44.488+/-0.013 χ^2/NDF:201270.3/6

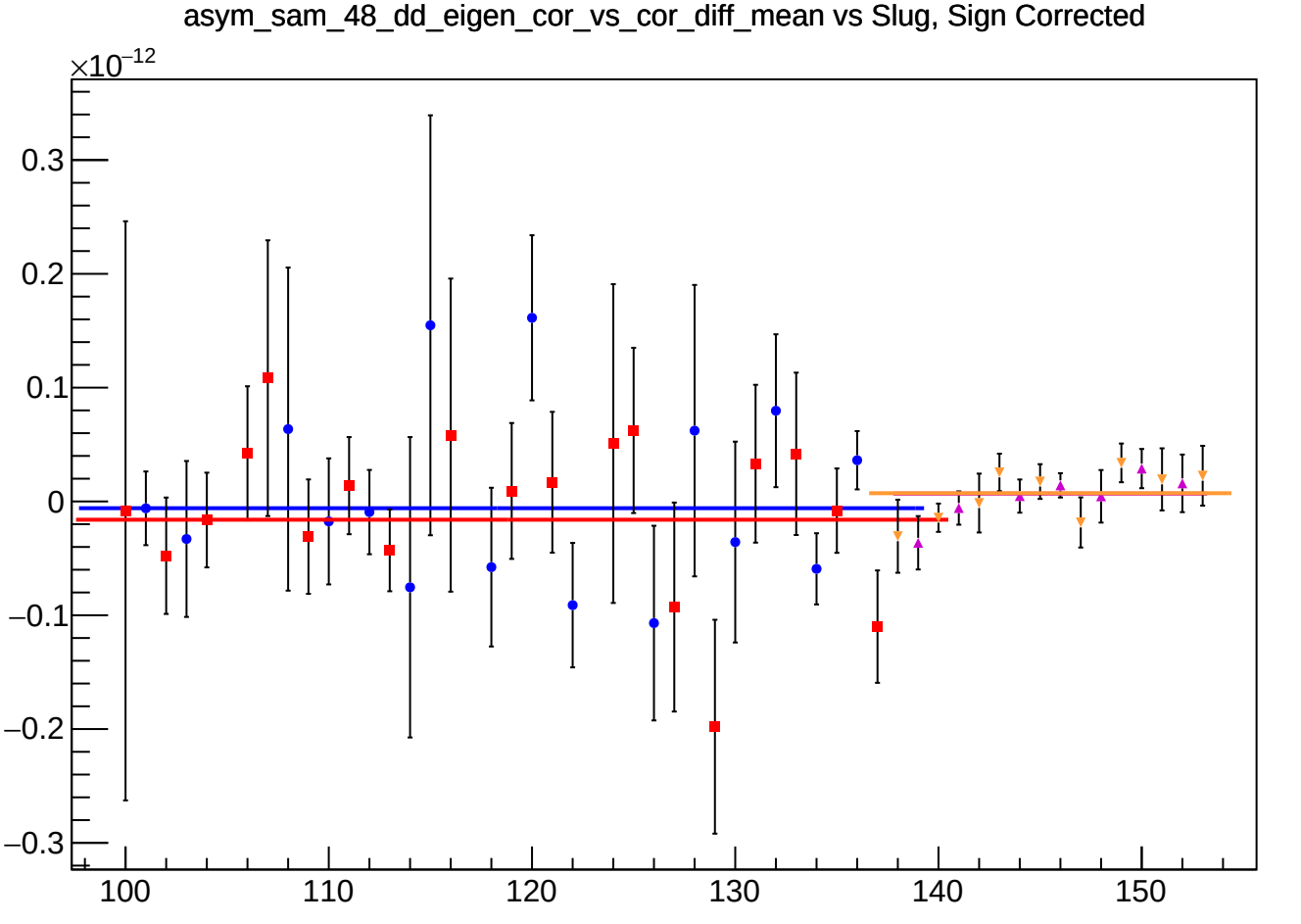
Left: 46.327+/-0.009 χ^2/NDF: 969524.2/15

Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 30.273+/-0.007 χ^2/NDF:4671763.1/22

Out: 27.938+/-0.006 χ^2/NDF:6734957.9/27

All: 29.001+/-0.005 χ^2/NDF: 11472054.7/50



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/8

Right Out: -0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:6.4/6

Left: 0.000+/-0.000 χ^2/NDF: 17.0/15

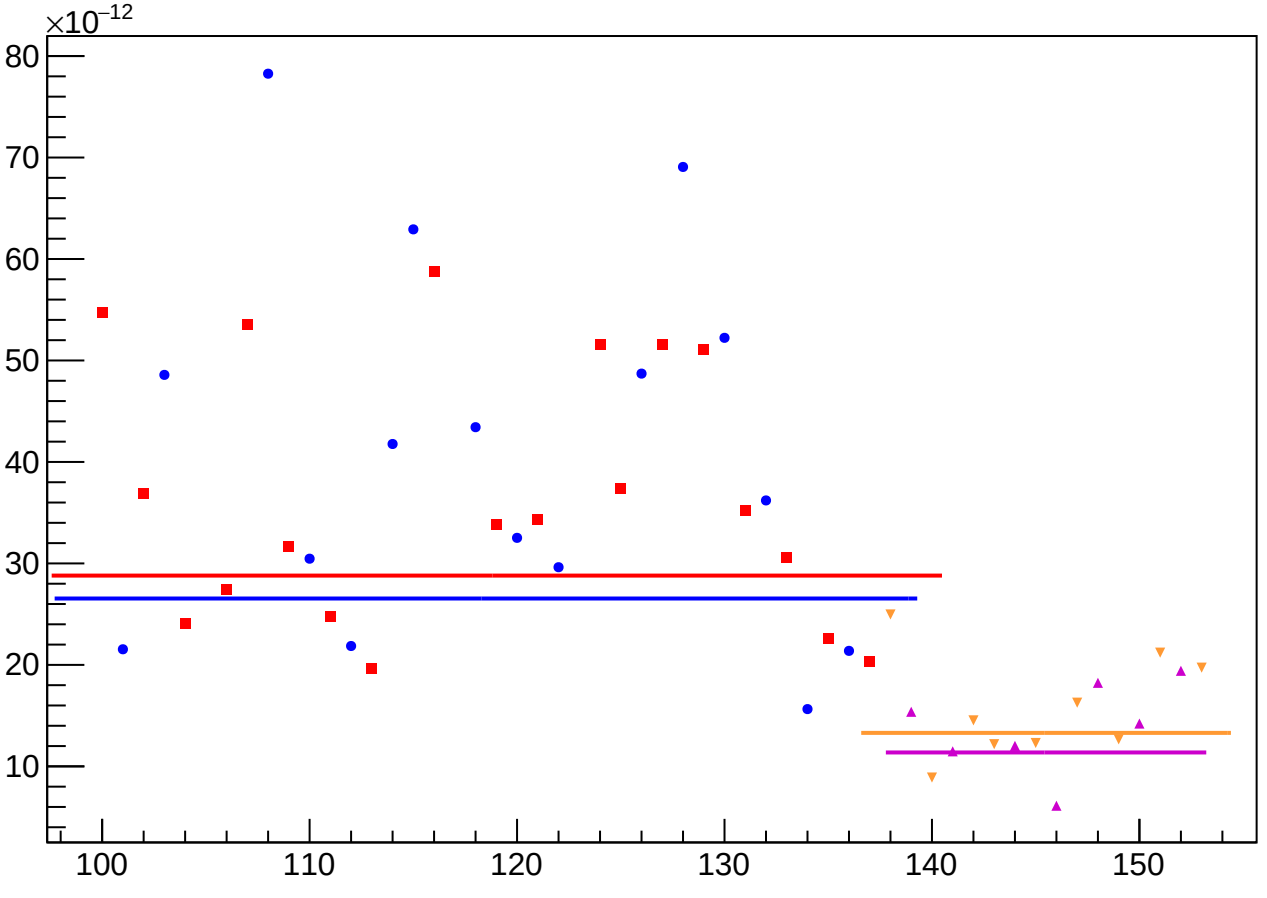
Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: 0.000+/-0.000 χ^2/NDF:26.0/22

Out: 0.000+/-0.000 χ^2/NDF:28.1/27

All: 0.000+/-0.000 χ^2/NDF: 54.1/50

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:864993.8/8

Right Out: 0.000+/-0.000 χ^2/NDF: 910681.7/18

Left In: 0.000+/-0.000 χ^2/NDF:978198.4/6

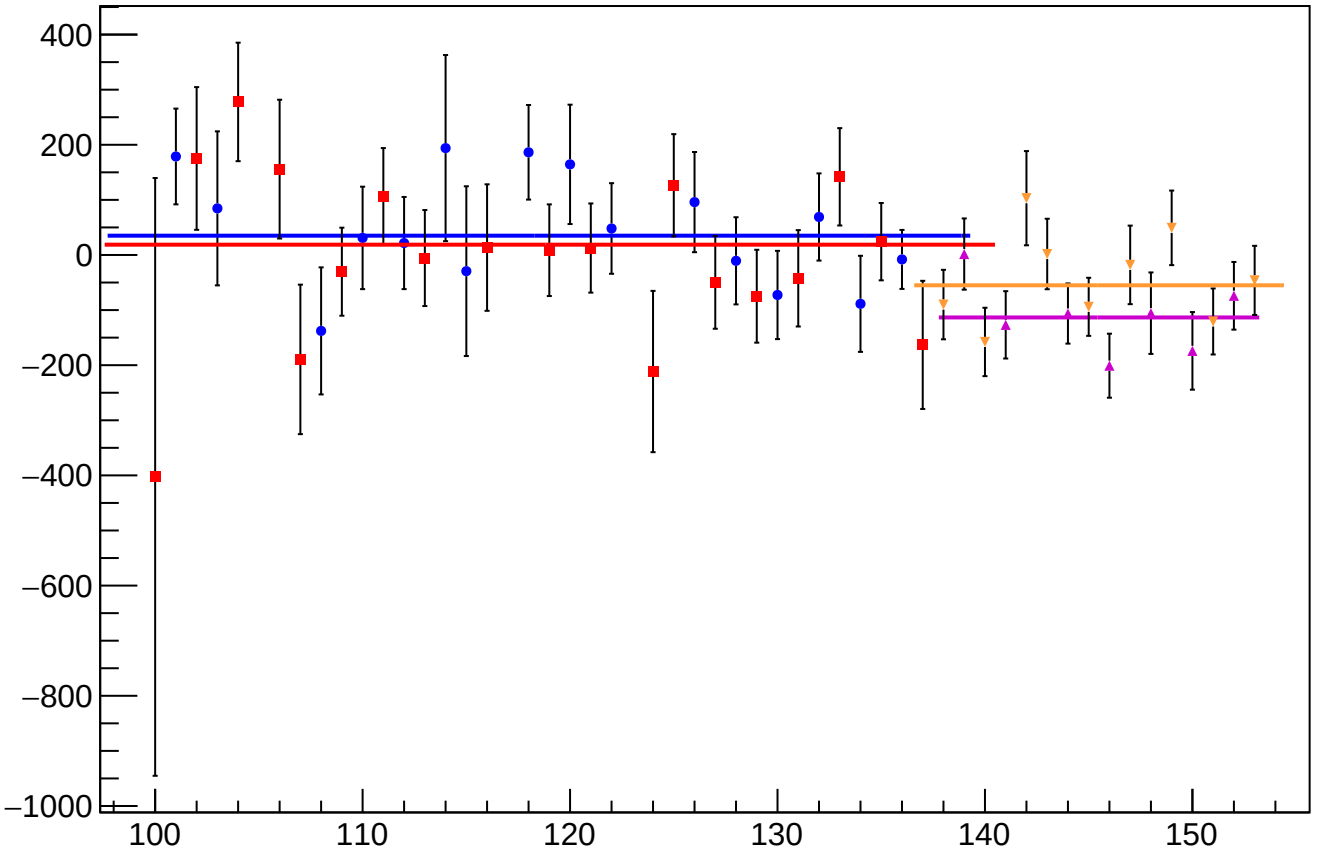
Left: 0.000+/-0.000 χ^2/NDF: 1939956.9/15

Right: 0.000+/-0.000 χ^2/NDF: 2634482.2/34

In: 0.000+/-0.000 χ^2/NDF:4983542.0/22

Out: 0.000+/-0.000 χ^2/NDF:3997672.6/27

All: 0.000+/-0.000 χ^2/NDF: 9098206.5/50



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -55.004+/-21.319 χ^2/NDF:11.7/8

Right Out: 18.690+/-22.137 χ^2/NDF: 23.5/18

Left In: -113.363+/-23.645 χ^2/NDF:6.7/6

Left: -81.172+/-15.833 χ^2/NDF: 21.7/15

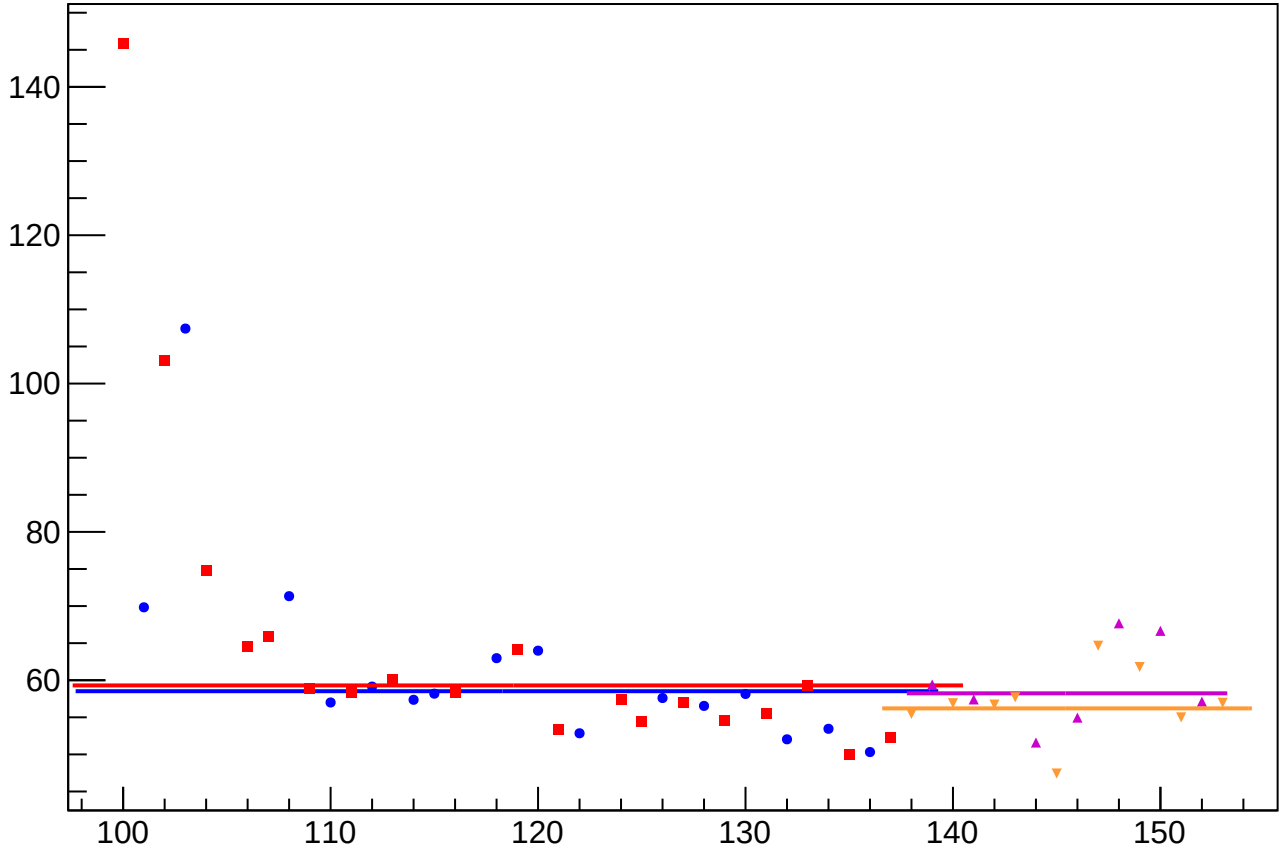
Right: 26.855+/-15.652 χ^2/NDF: 40.0/34

In: -34.281+/-16.159 χ^2/NDF:43.8/22

Out: -19.544+/-15.356 χ^2/NDF:40.9/27

All: -26.537+/-11.131 χ^2/NDF: 85.2/50

reg_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 56.206+/-0.015 χ^2/NDF:100055.1/8

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

Left In: 58.236+/-0.017 χ^2/NDF:98796.8/6

Left: 57.116+/-0.011 χ^2/NDF: 206988.0/15

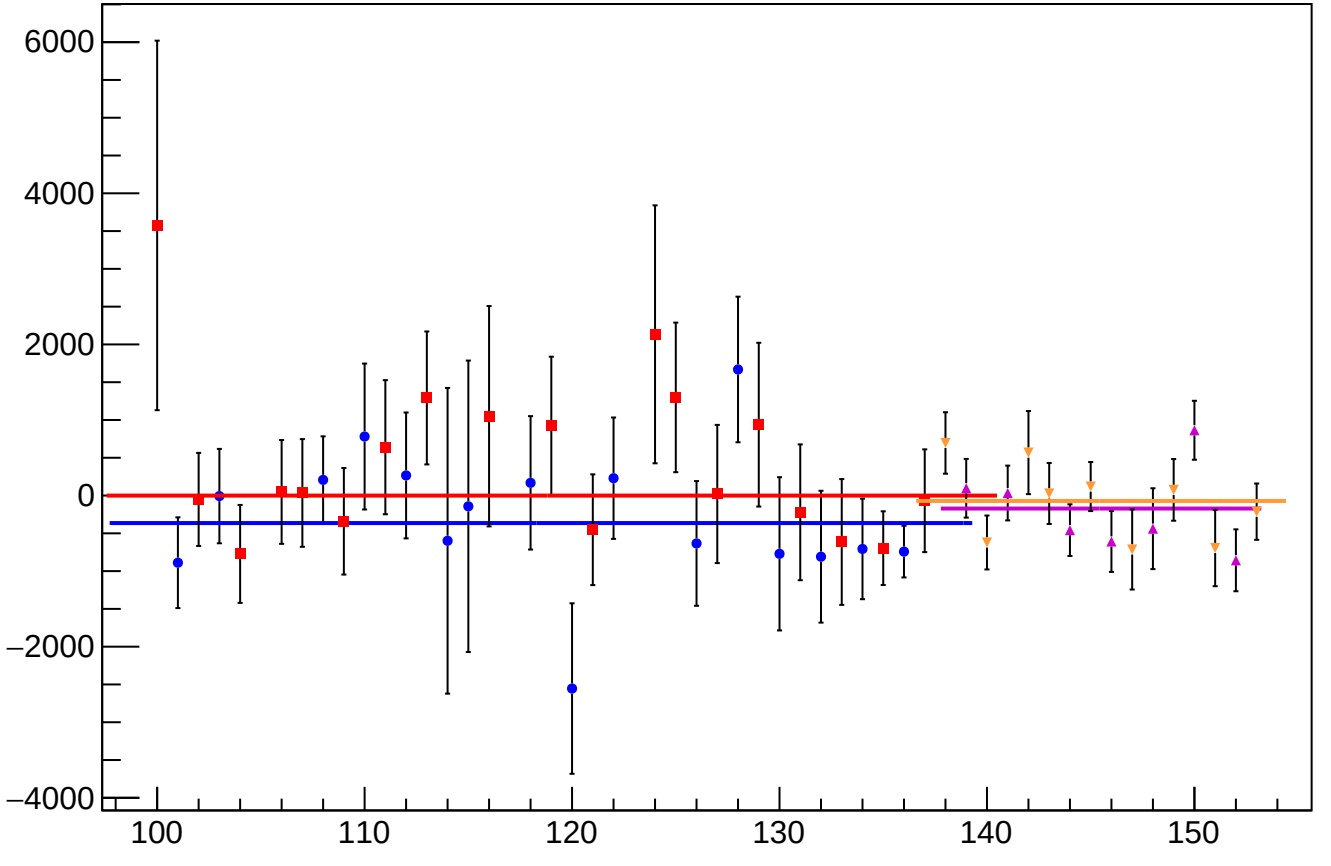
Right: 58.911+/-0.011 χ^2/NDF: 800594.3/34

In: 58.388+/-0.011 χ^2/NDF:491694.3/22

Out: 57.695+/-0.011 χ^2/NDF:526955.4/27

All: 58.024+/-0.008 χ^2/NDF: 1020583.6/50

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: -71.637+/-136.675 χ^2/NDF:11.0/8

Right Out: -0.570+/-183.085 χ^2/NDF: 15.1/18

Left In: -171.951+/-149.088 χ^2/NDF:12.8/6

Left: -117.445+/-100.747 χ^2/NDF: 24.0/15

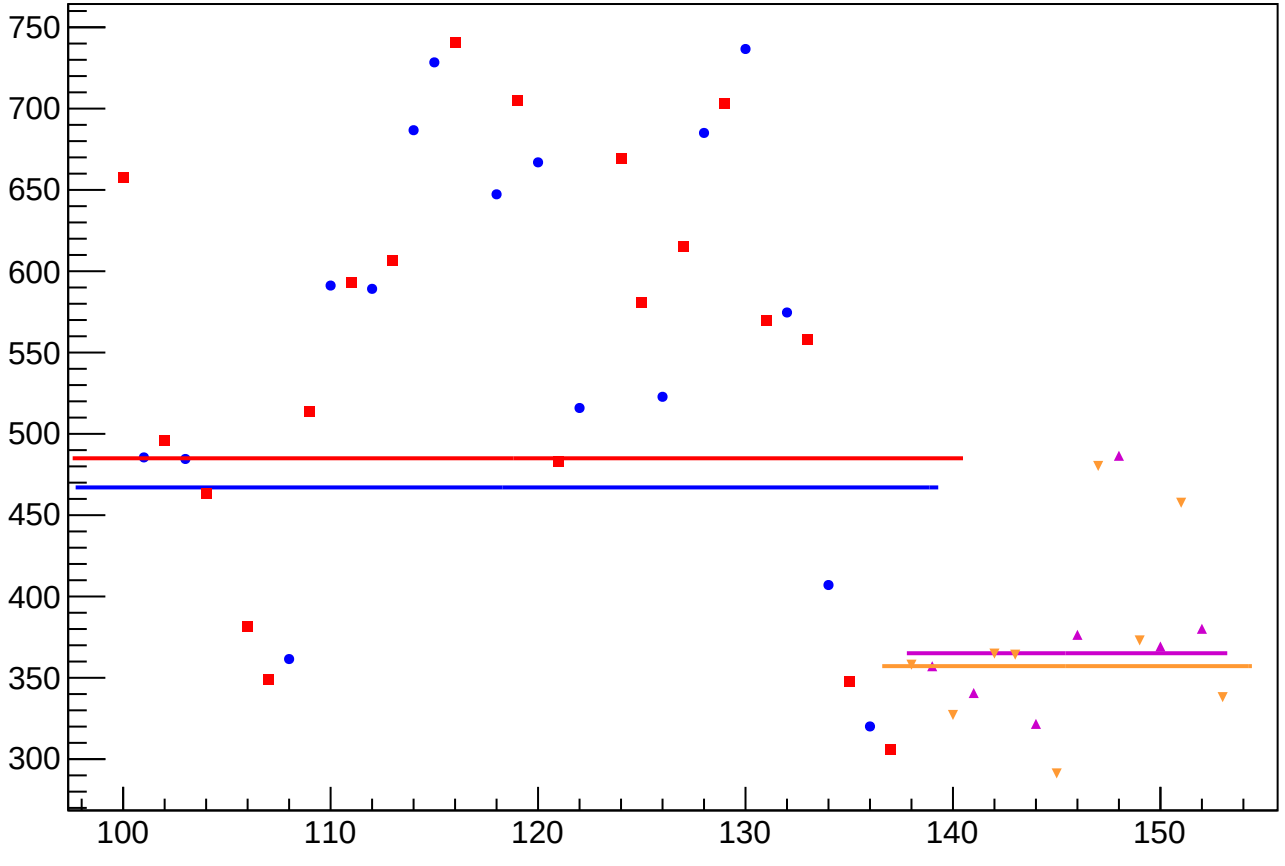
Right: -184.806+/-128.573 χ^2/NDF: 32.3/34

In: -249.816+/-114.974 χ^2/NDF:28.7/22

Out: -46.205+/-109.523 χ^2/NDF:26.1/27

All: -143.070+/-79.301 χ^2/NDF: 56.4/50

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: 357.176+/-0.097 χ^2/NDF:292968.1/8

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

Left In: 365.109+/-0.105 χ^2/NDF:149771.3/6

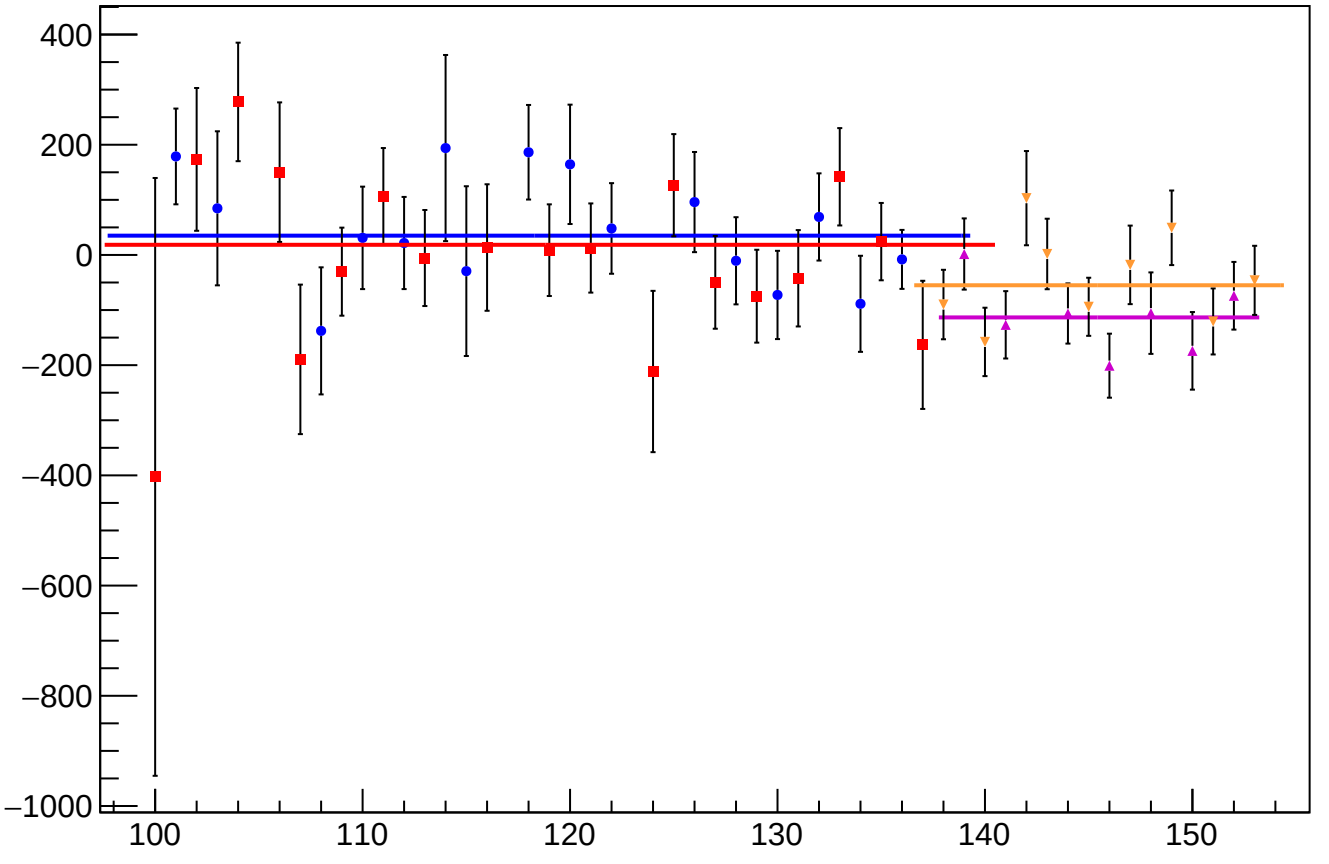
Left: 360.799+/-0.071 χ^2/NDF: 445816.7/15

Right: 475.902+/-0.091 χ^2/NDF: 1914085.4/34

In: 406.431+/-0.081 χ^2/NDF:1559146.4/22

Out: 402.912+/-0.077 χ^2/NDF:1792902.2/27

All: 404.586+/-0.056 χ^2/NDF: 3353031.2/50



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -55.004+/-21.319 χ^2/NDF:11.7/8

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -113.362+/-23.645 χ^2/NDF:6.7/6

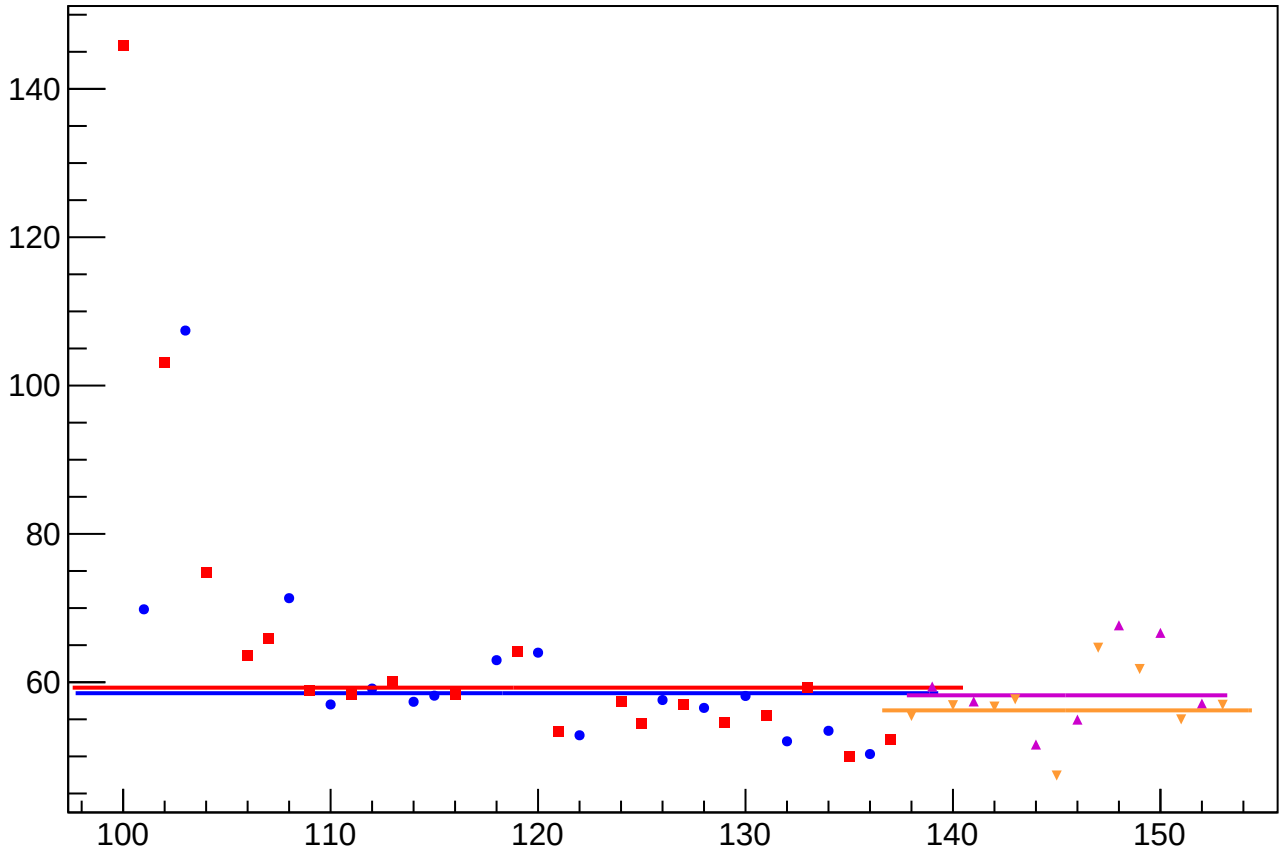
Left: -81.171+/-15.833 χ^2/NDF: 21.7/15

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -34.281+/-16.159 χ^2/NDF:43.9/22

Out: -19.682+/-15.357 χ^2/NDF:40.7/27

All: -26.610+/-11.132 χ^2/NDF: 85.0/50



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.206+/-0.015 χ^2/NDF:100055.1/8

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 58.236+/-0.017 χ^2/NDF:98796.8/6

Left: 57.116+/-0.011 χ^2/NDF: 206988.1/15

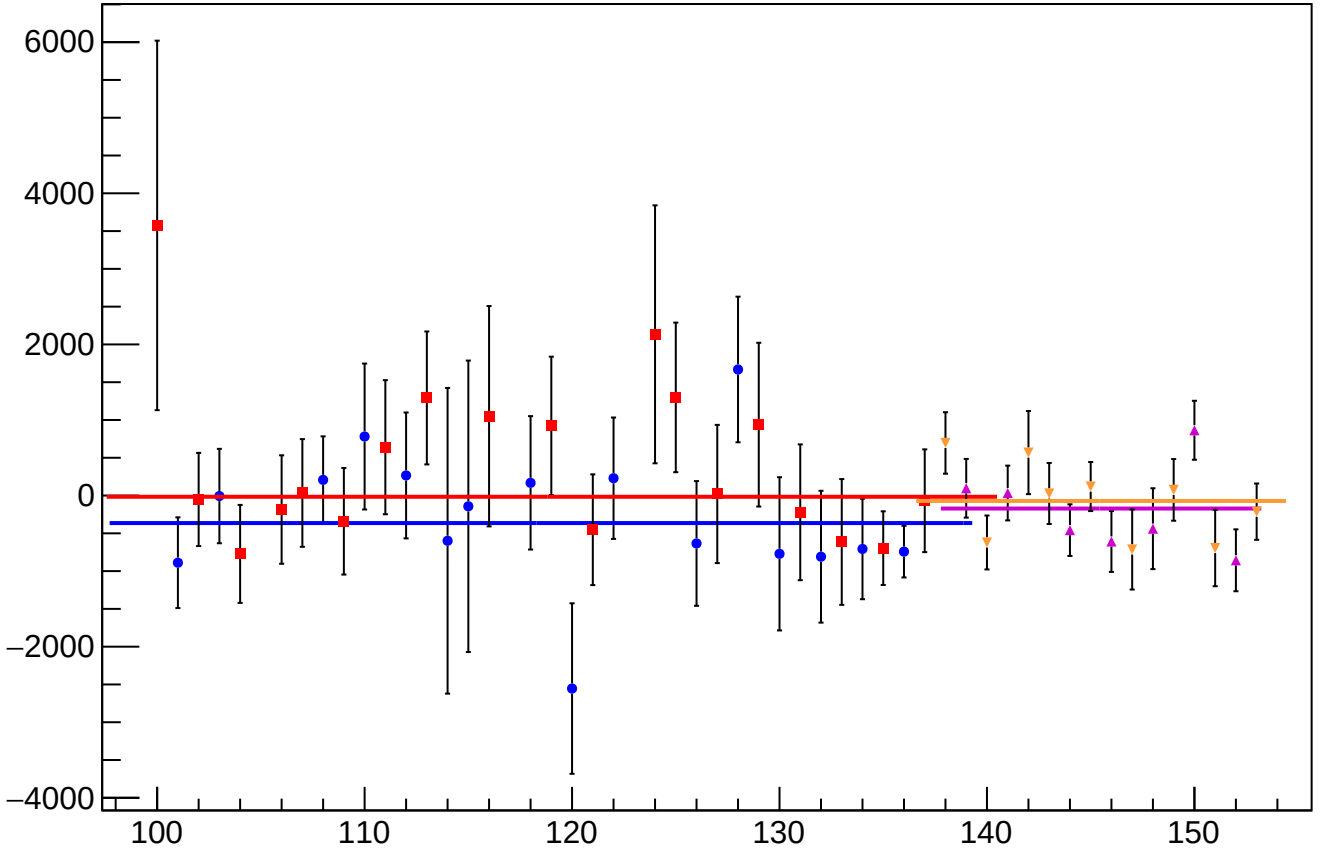
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.388+/-0.011 χ^2/NDF:491696.4/22

Out: 57.680+/-0.011 χ^2/NDF:525541.3/27

All: 58.016+/-0.008 χ^2/NDF: 1019259.5/50

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: -71.639+/-136.675 χ^2/NDF:11.0/8

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: -171.948+/-149.088 χ^2/NDF:12.8/6

Left: -117.444+/-100.747 χ^2/NDF: 24.0/15

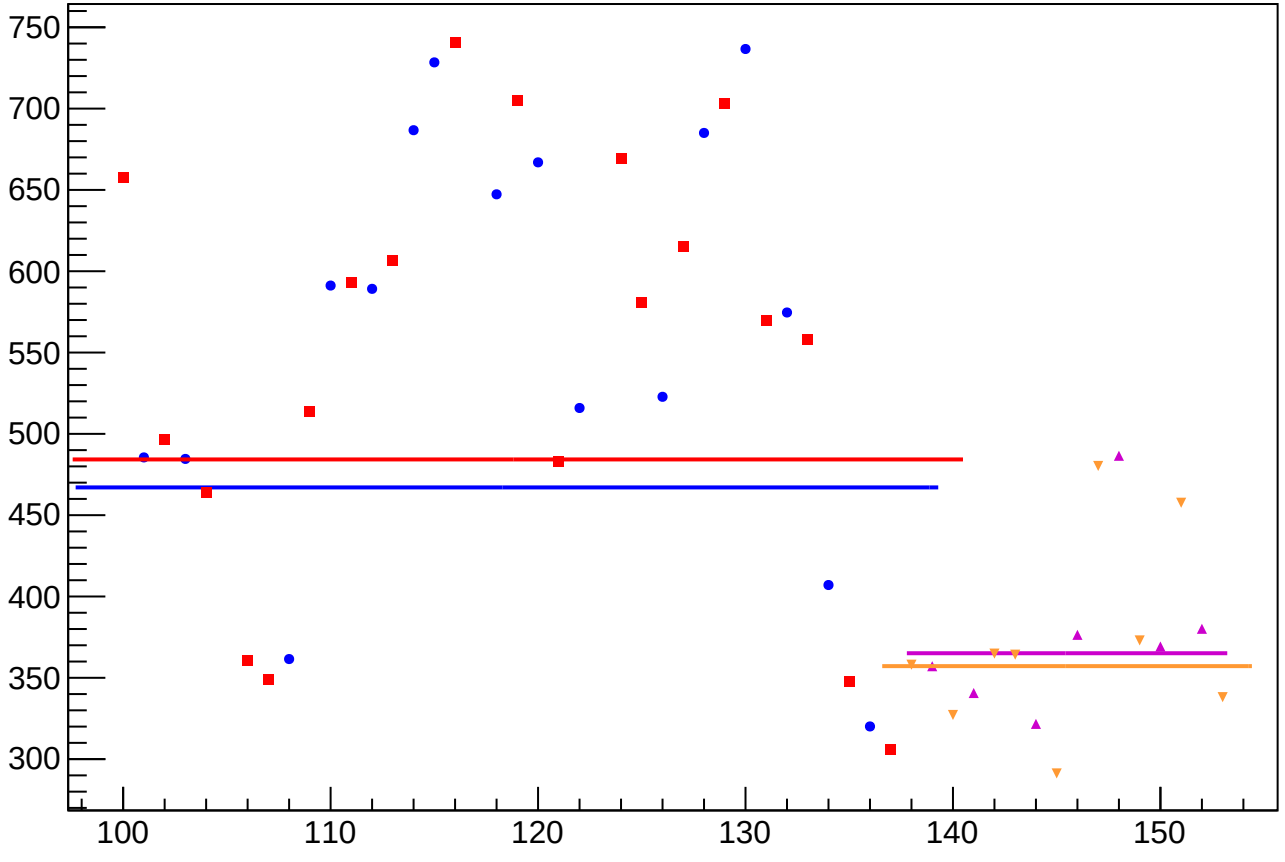
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -249.799+/-114.974 χ^2/NDF:28.7/22

Out: -51.838+/-109.644 χ^2/NDF:26.1/27

All: -146.123+/-79.347 χ^2/NDF: 56.4/50

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: 357.176+/-0.097 χ^2/NDF:292969.2/8

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 365.110+/-0.105 χ^2/NDF:149771.0/6

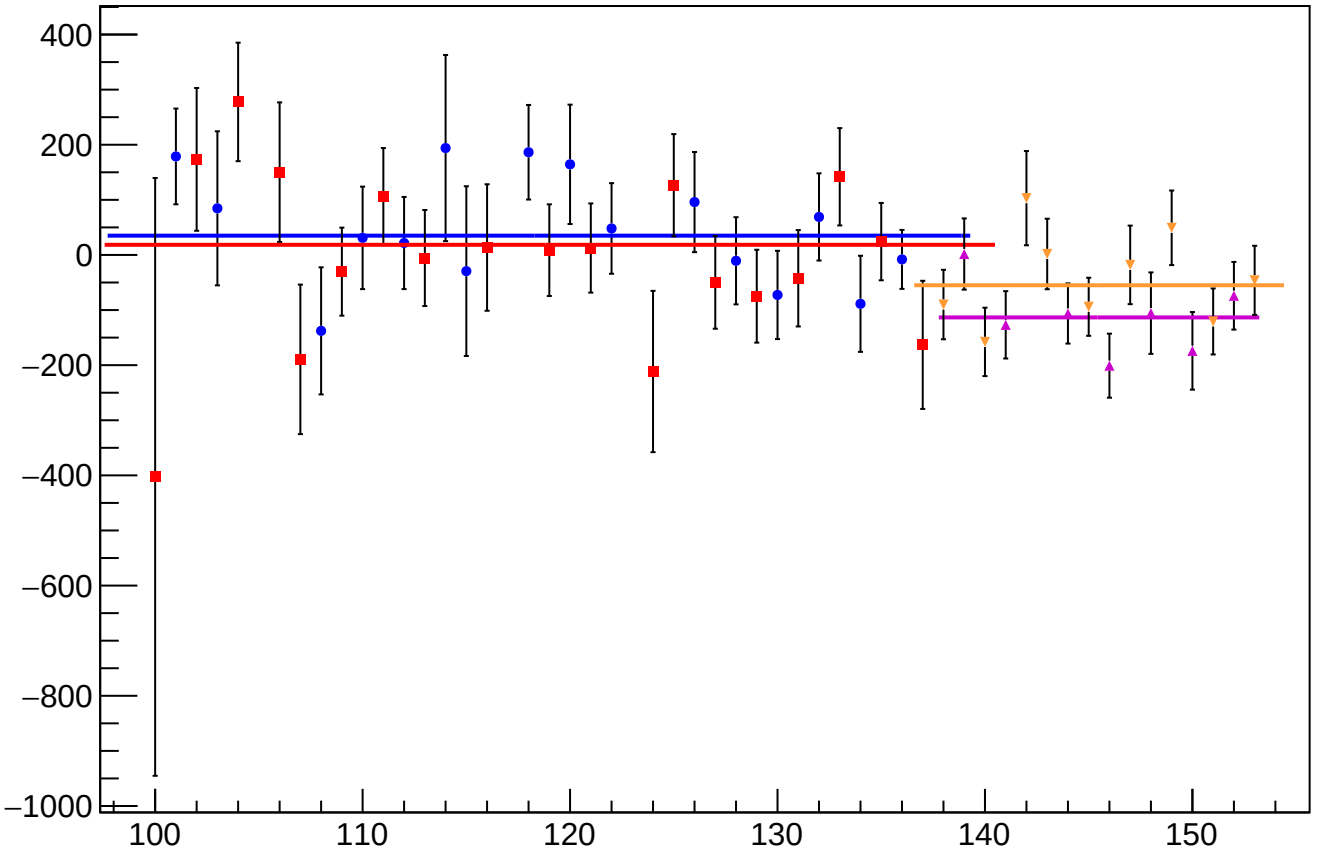
Left: 360.799+/-0.071 χ^2/NDF: 445817.7/15

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 406.432+/-0.081 χ^2/NDF:1559163.1/22

Out: 402.478+/-0.078 χ^2/NDF:1798237.2/27

All: 404.362+/-0.056 χ^2/NDF: 3358639.0/50



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -55.004+/-21.319 χ^2/NDF:11.7/8

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -113.362+/-23.645 χ^2/NDF:6.7/6

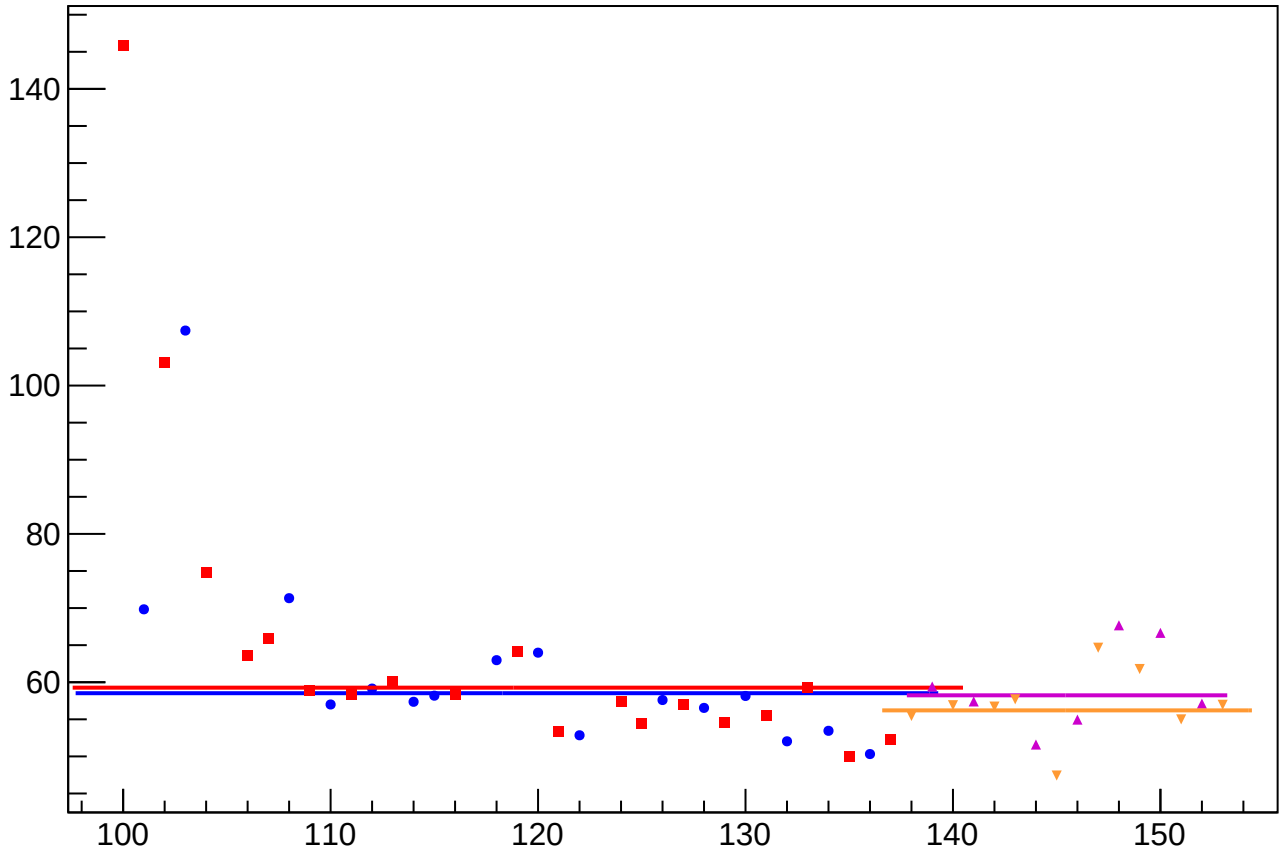
Left: -81.171+/-15.833 χ^2/NDF: 21.7/15

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -34.281+/-16.159 χ^2/NDF:43.9/22

Out: -19.682+/-15.357 χ^2/NDF:40.7/27

All: -26.610+/-11.132 χ^2/NDF: 85.0/50



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.206+/-0.015 χ^2/NDF:100055.1/8

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 58.236+/-0.017 χ^2/NDF:98796.8/6

Left: 57.116+/-0.011 χ^2/NDF: 206988.1/15

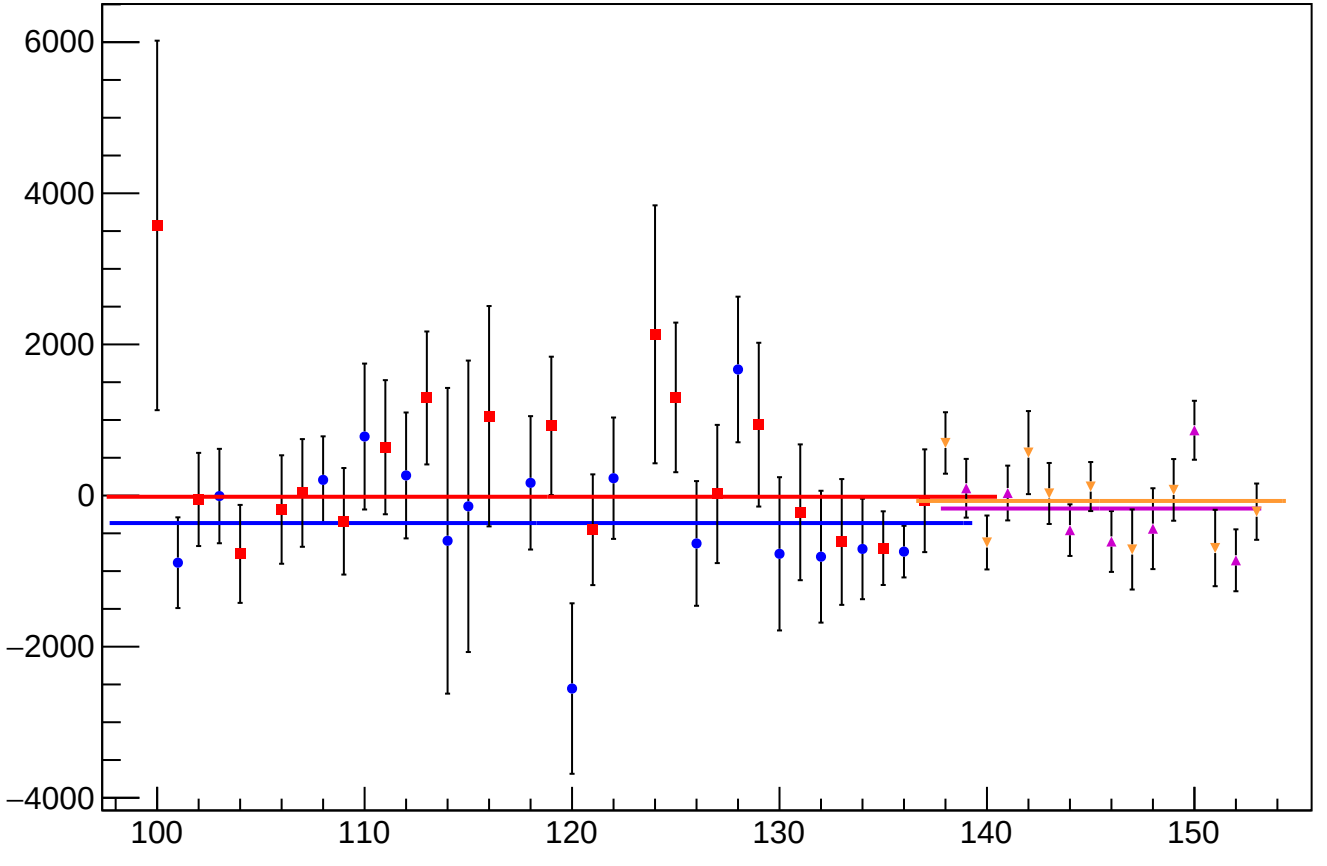
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.388+/-0.011 χ^2/NDF:491696.4/22

Out: 57.680+/-0.011 χ^2/NDF:525541.3/27

All: 58.016+/-0.008 χ^2/NDF: 1019259.5/50

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: -71.639+/-136.675 χ^2/NDF:11.0/8

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: -171.948+/-149.088 χ^2/NDF:12.8/6

Left: -117.444+/-100.747 χ^2/NDF: 24.0/15

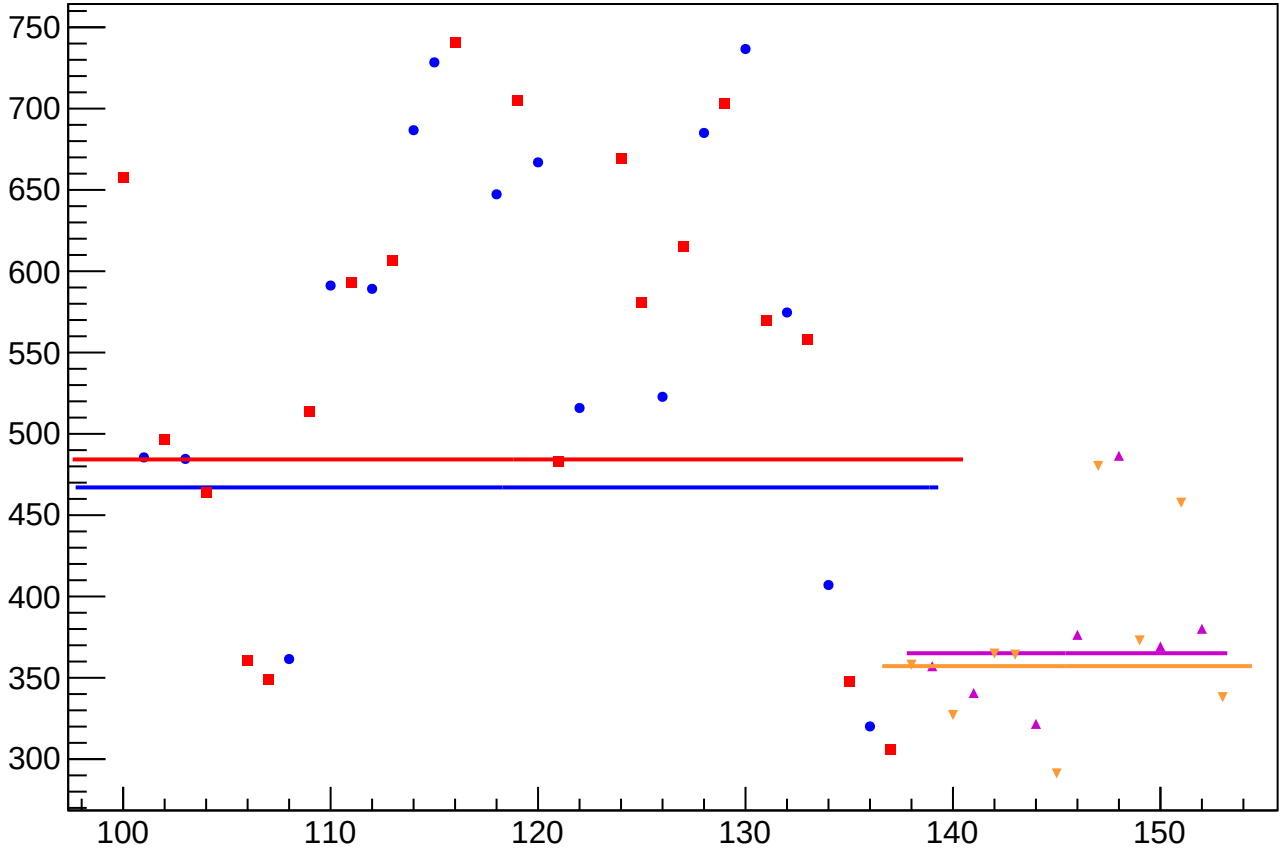
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -249.799+/-114.974 χ^2/NDF:28.7/22

Out: -51.838+/-109.644 χ^2/NDF:26.1/27

All: -146.123+/-79.347 χ^2/NDF: 56.4/50

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: 357.176+/-0.097 χ^2/NDF:292969.2/8

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 365.110+/-0.105 χ^2/NDF:149771.0/6

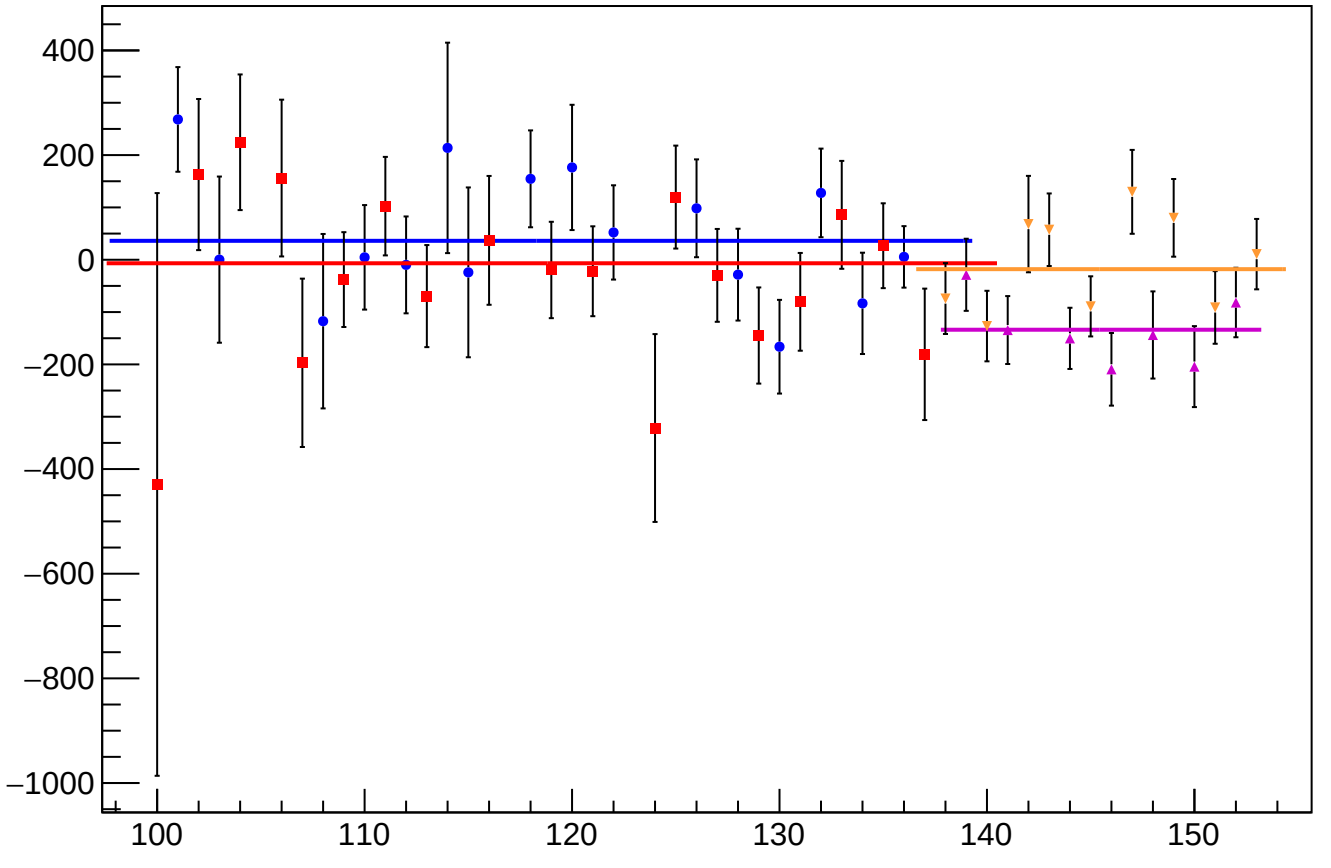
Left: 360.799+/-0.071 χ^2/NDF: 445817.7/15

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 406.432+/-0.081 χ^2/NDF:1559163.1/22

Out: 402.478+/-0.078 χ^2/NDF:1798237.2/27

All: 404.362+/-0.056 χ^2/NDF: 3358639.0/50



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -17.989+/-23.357 χ^2/NDF:13.3/8

Right Out: -6.734+/-24.565 χ^2/NDF: 20.3/18

Left In: -133.738+/-25.940 χ^2/NDF:5.0/6

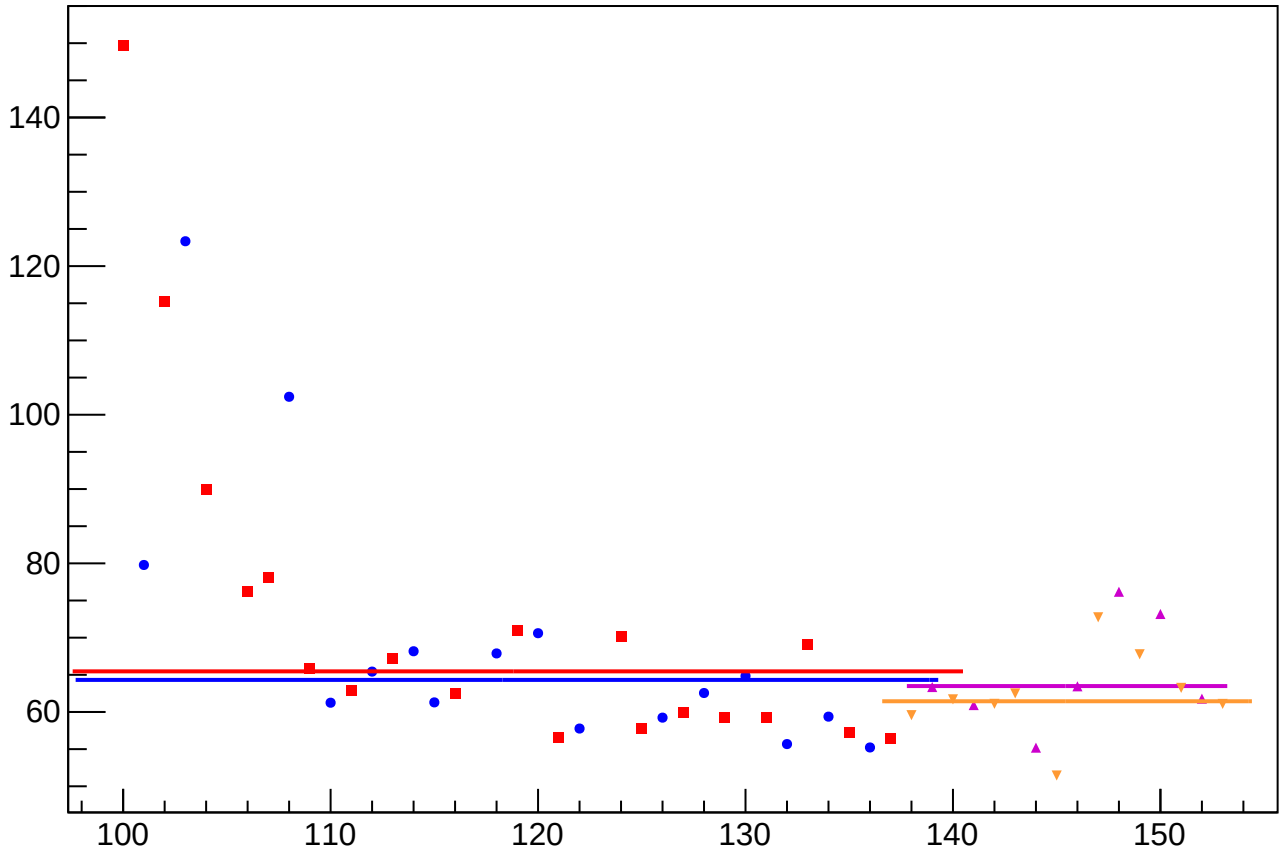
Left: -69.816+/-17.358 χ^2/NDF: 29.4/15

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -43.845+/-17.800 χ^2/NDF:47.4/22

Out: -12.645+/-16.927 χ^2/NDF:33.8/27

All: -27.461+/-12.266 χ^2/NDF: 82.8/50



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.443+/-0.017 χ^2/NDF:118191.6/8

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 63.488+/-0.018 χ^2/NDF:122485.3/6

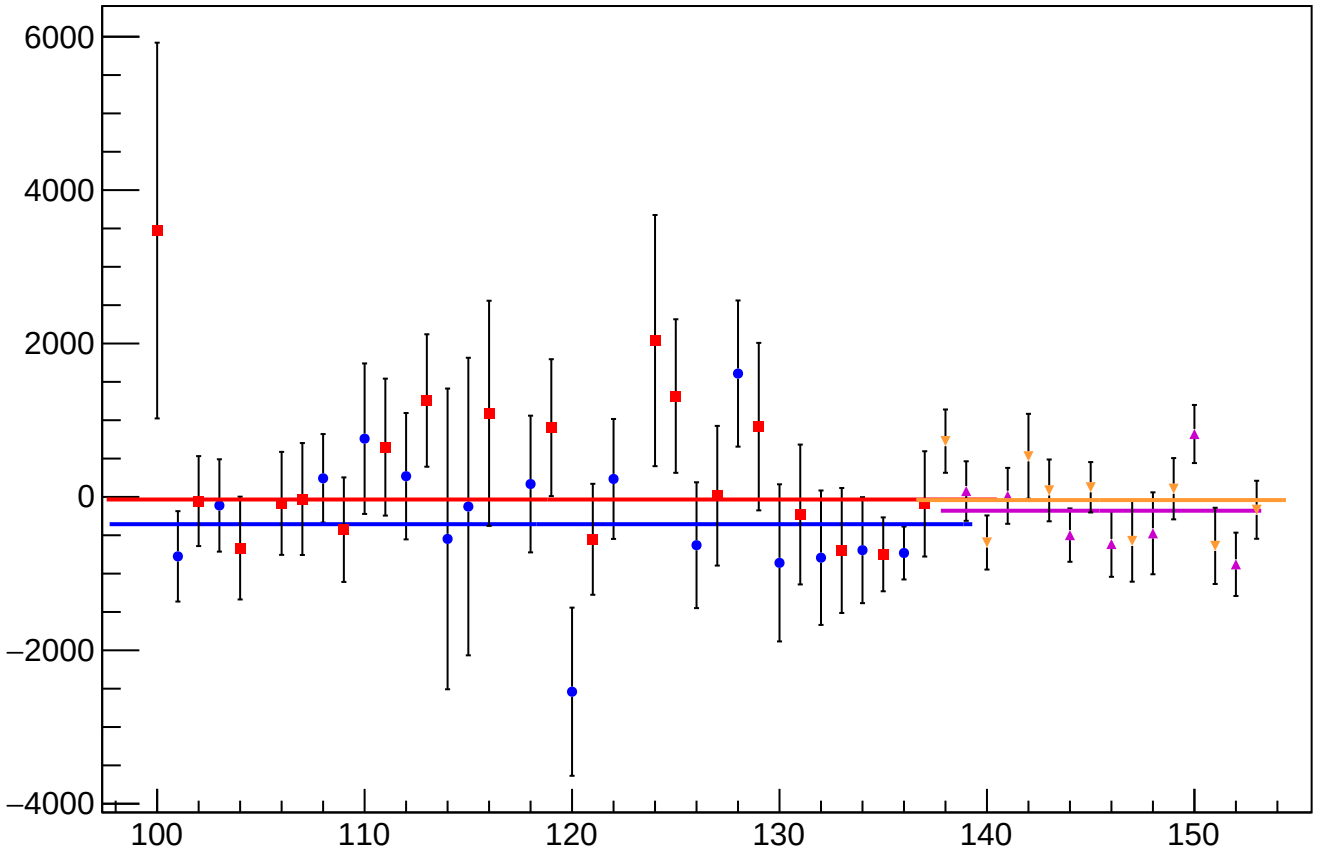
Left: 62.358+/-0.012 χ^2/NDF: 247541.0/15

Right: 64.889+/-0.012 χ^2/NDF: 1016625.1/34

In: 63.926+/-0.013 χ^2/NDF:655630.1/22

Out: 63.353+/-0.012 χ^2/NDF:628728.9/27

All: 63.625+/-0.009 χ^2/NDF: 1285447.4/50



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: -41.225+/-136.773 χ^2/NDF:10.0/8

Right Out: -33.786+/-181.561 χ^2/NDF: 15.4/18

Left In: -179.951+/-150.361 χ^2/NDF:12.7/6

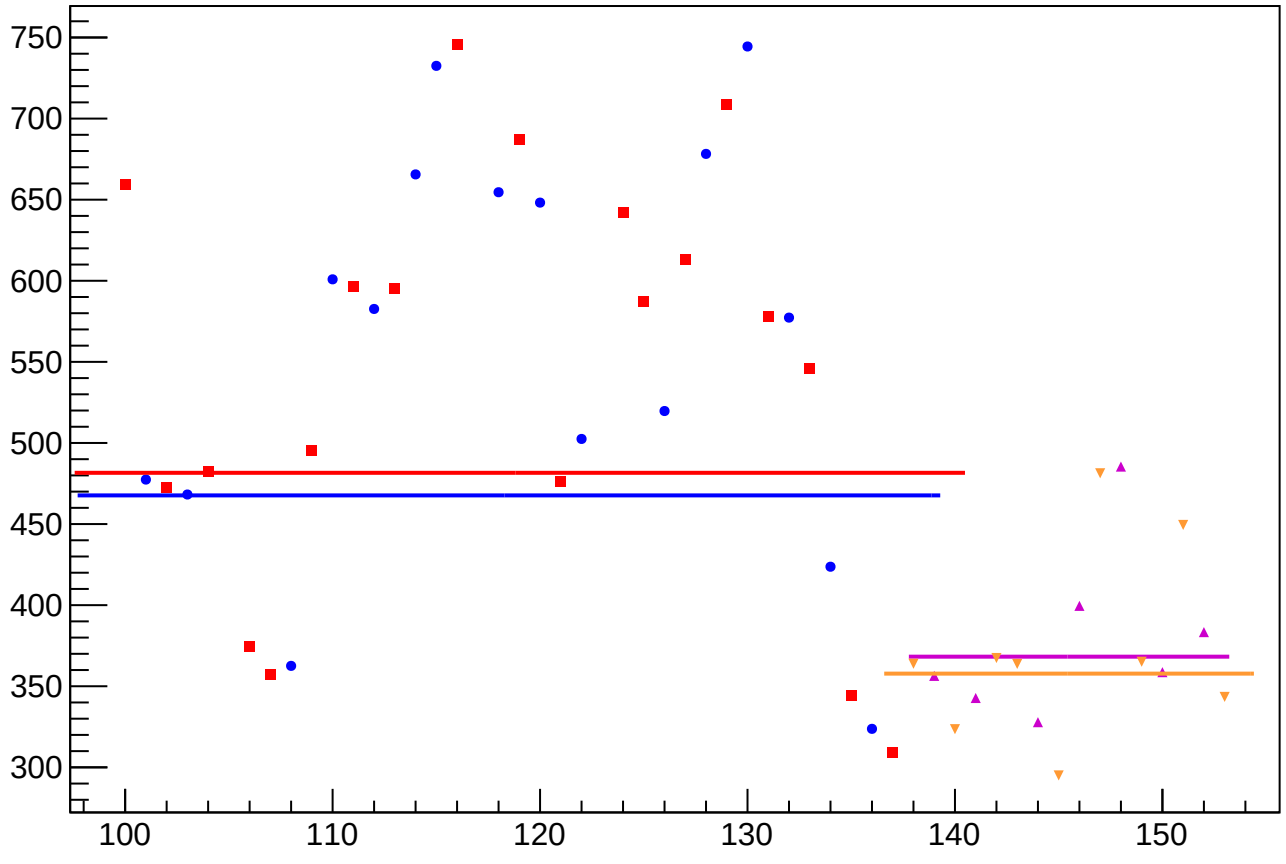
Left: -104.038+/-101.177 χ^2/NDF: 23.2/15

Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -251.956+/-115.485 χ^2/NDF:28.1/22

Out: -38.532+/-109.244 χ^2/NDF:25.4/27

All: -139.322+/-79.362 χ^2/NDF: 55.3/50



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 357.786+/-0.097 χ^2/NDF:273090.5/8

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

Left In: 368.240+/-0.106 χ^2/NDF:149565.2/6

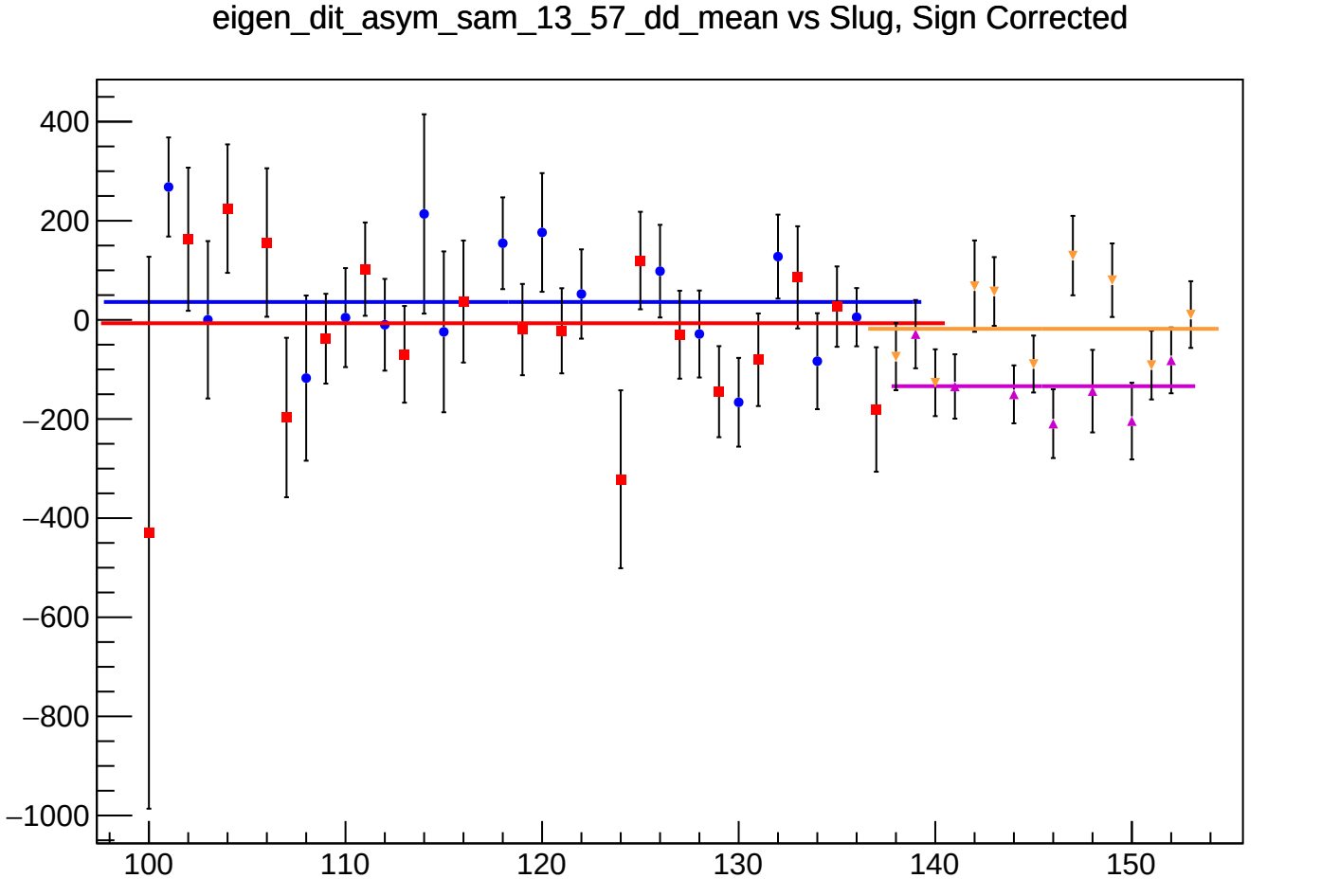
Left: 362.519+/-0.072 χ^2/NDF: 427946.3/15

Right: 474.590+/-0.090 χ^2/NDF: 1846147.0/34

In: 409.018+/-0.082 χ^2/NDF:1494201.4/22

Out: 402.611+/-0.077 χ^2/NDF:1720729.3/27

All: 405.637+/-0.056 χ^2/NDF: 3218179.5/50



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -17.988+/-23.357 χ^2/NDF:13.3/8

Right Out: -6.735+/-24.565 χ^2/NDF: 20.3/18

Left In: -133.738+/-25.940 χ^2/NDF:5.0/6

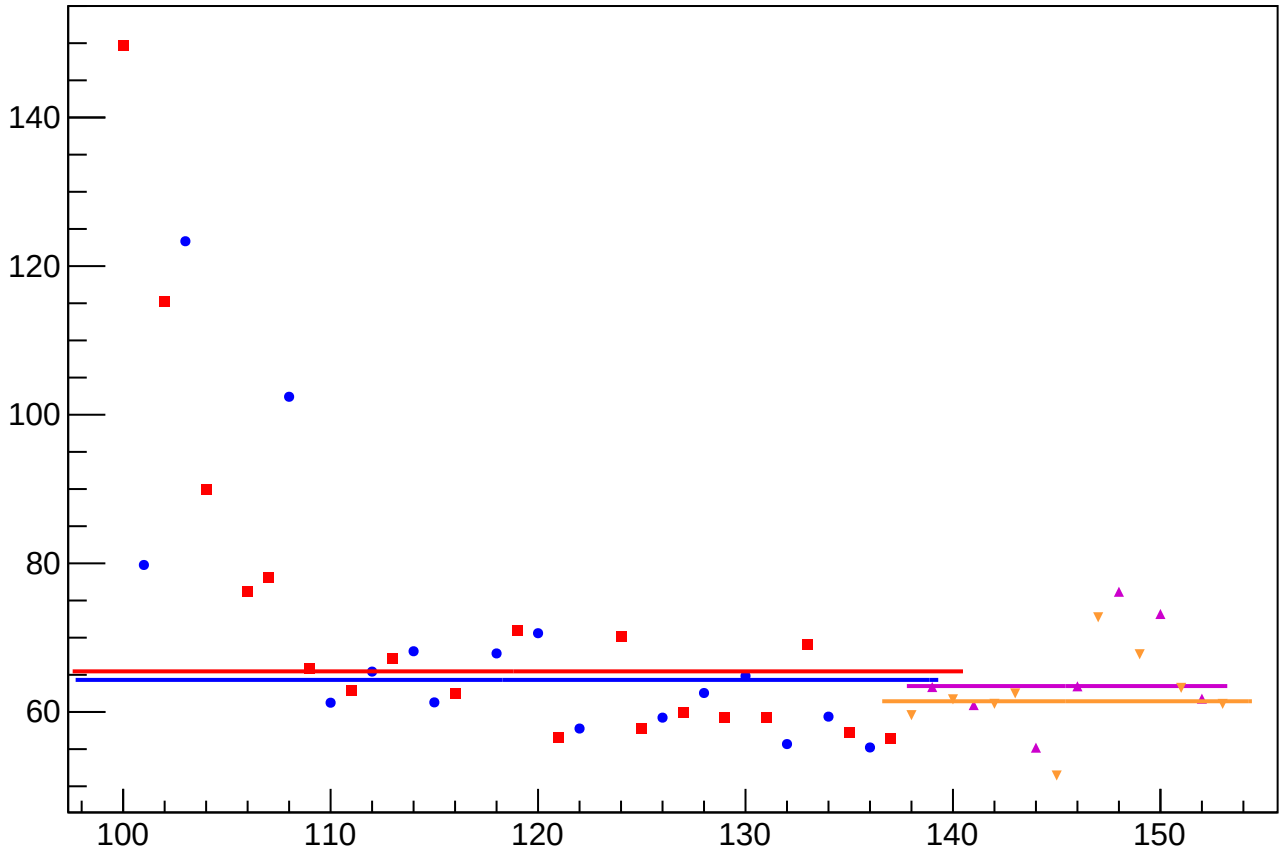
Left: -69.815+/-17.358 χ^2/NDF: 29.4/15

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -43.844+/-17.800 χ^2/NDF:47.4/22

Out: -12.645+/-16.927 χ^2/NDF:33.8/27

All: -27.460+/-12.266 χ^2/NDF: 82.8/50



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 61.443+/-0.017 χ^2/NDF:118194.4/8

Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 63.488+/-0.018 χ^2/NDF:122487.5/6

Left: 62.358+/-0.012 χ^2/NDF: 247545.9/15

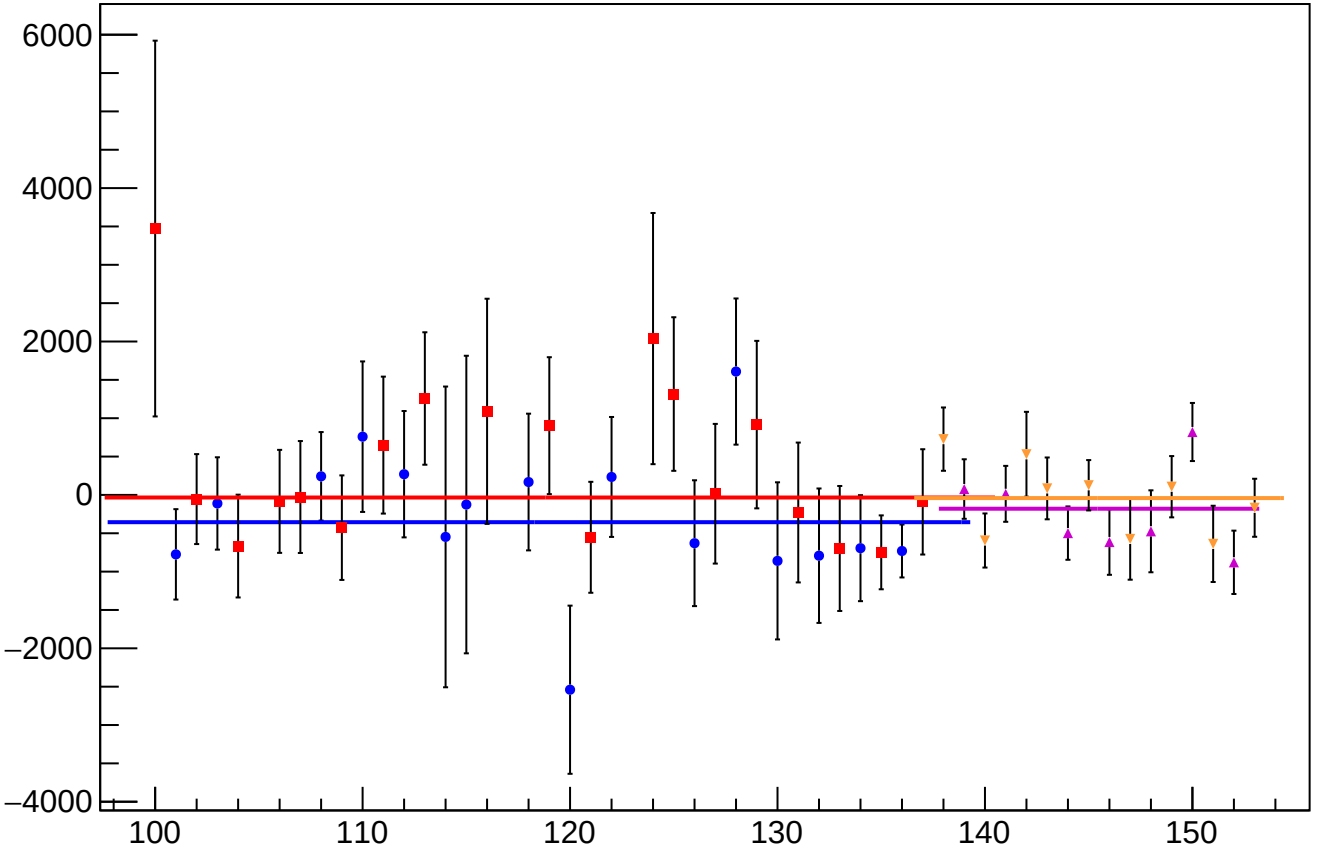
Right: 64.889+/-0.012 χ^2/NDF: 1016639.7/34

In: 63.926+/-0.013 χ^2/NDF:655640.2/22

Out: 63.353+/-0.012 χ^2/NDF:628735.0/27

All: 63.625+/-0.009 χ^2/NDF: 1285463.6/50

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: -41.224+/-136.773 χ^2/NDF:10.0/8

Right Out: -33.787+/-181.560 χ^2/NDF: 15.4/18

Left In: -179.952+/-150.361 χ^2/NDF:12.7/6

Left: -104.038+/-101.177 χ^2/NDF: 23.2/15

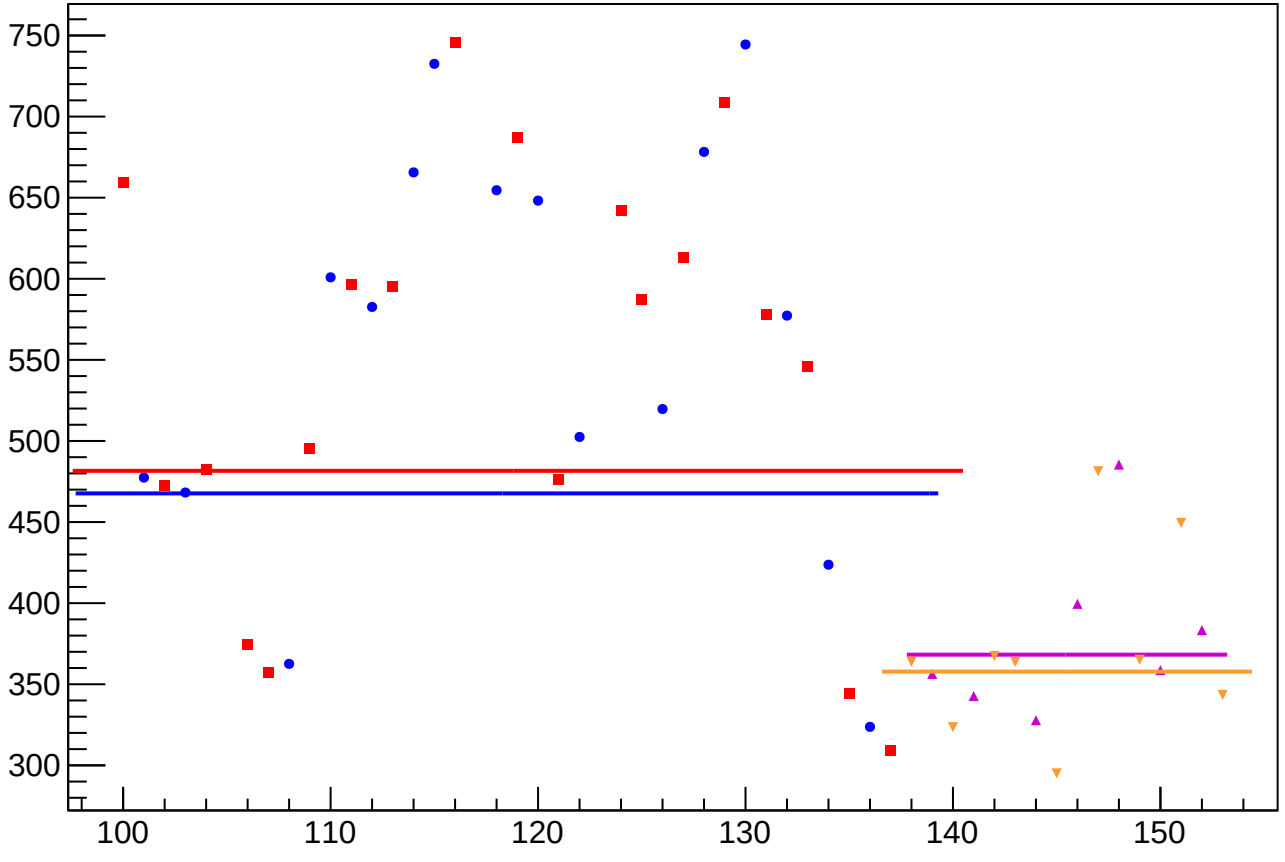
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -251.956+/-115.485 χ^2/NDF:28.1/22

Out: -38.532+/-109.244 χ^2/NDF:25.4/27

All: -139.322+/-79.362 χ^2/NDF: 55.3/50

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: 357.786+/-0.097 χ^2/NDF:273089.9/8

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

Left In: 368.240+/-0.106 χ^2/NDF:149564.8/6

Left: 362.520+/-0.072 χ^2/NDF: 427945.4/15

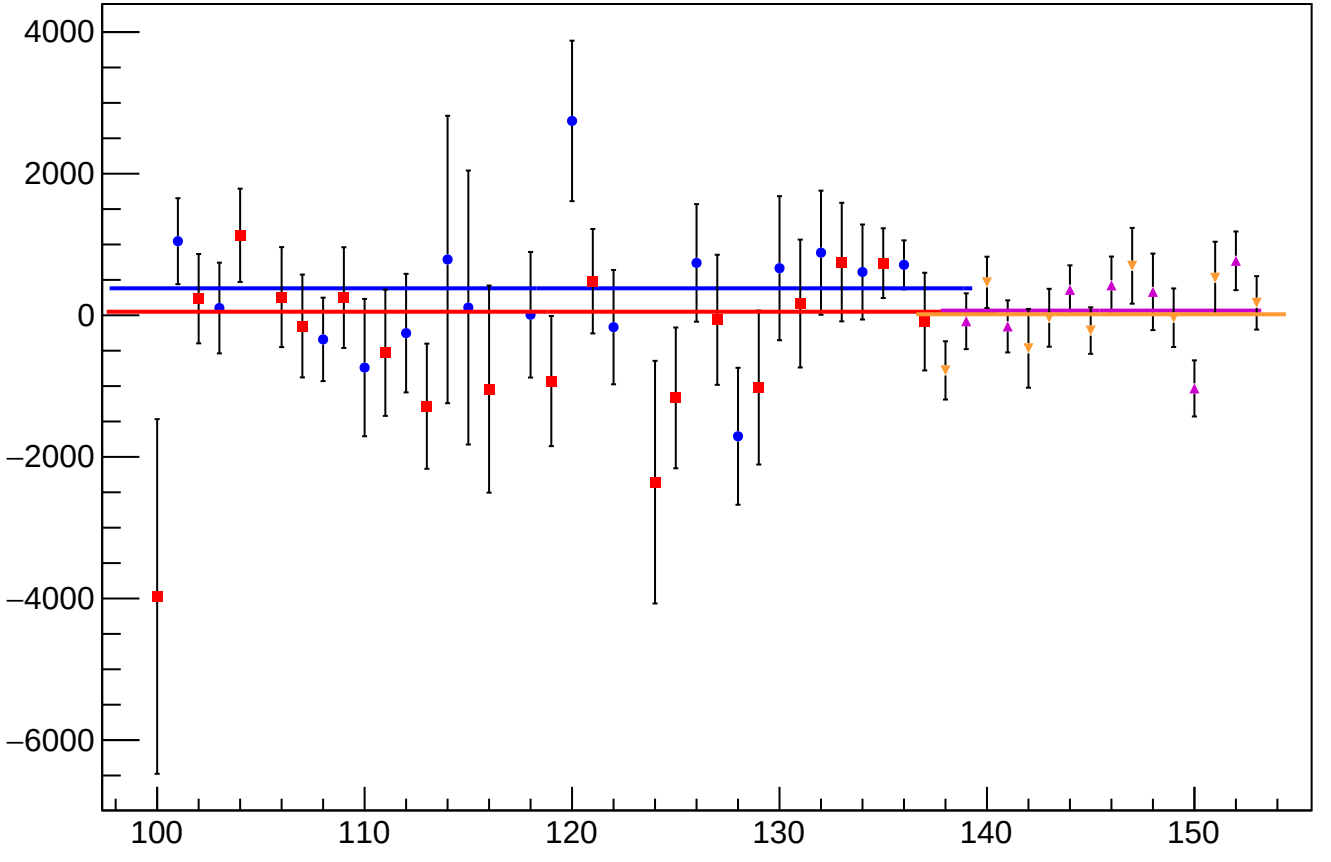
Right: 474.589+/-0.090 χ^2/NDF: 1846148.4/34

In: 409.018+/-0.082 χ^2/NDF:1494196.4/22

Out: 402.611+/-0.077 χ^2/NDF:1720720.3/27

All: 405.637+/-0.056 χ^2/NDF: 3218165.6/50

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: 14.284+/-138.427 χ^2/NDF:9.4/8

Right Out: 50.392+/-185.262 χ^2/NDF: 17.5/18

Left In: 66.070+/-151.039 χ^2/NDF:12.8/6

Left: 37.925+/-102.050 χ^2/NDF: 22.2/15

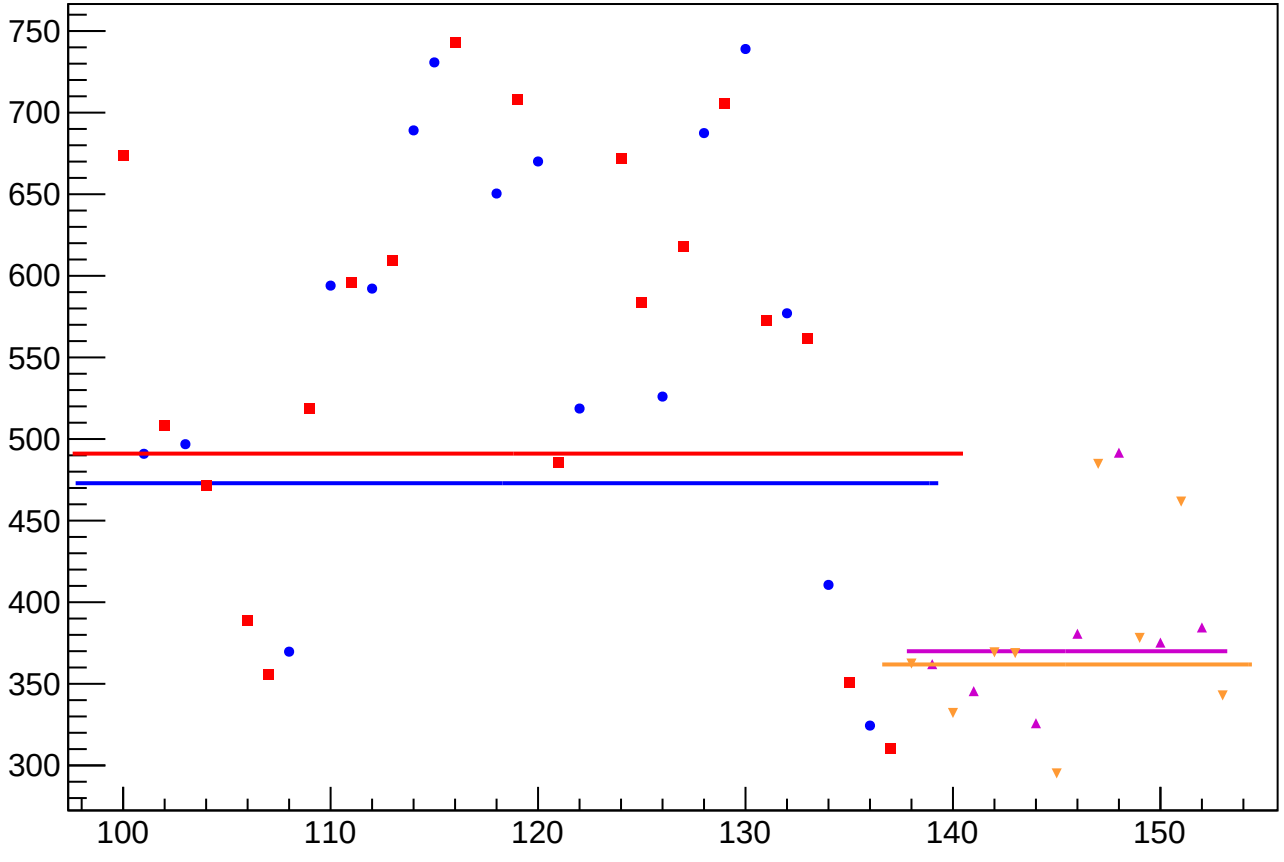
Right: 218.082+/-130.069 χ^2/NDF: 35.2/34

In: 193.997+/-116.398 χ^2/NDF:30.7/22

Out: 27.221+/-110.890 χ^2/NDF:26.9/27

All: 106.570+/-80.288 χ^2/NDF: 58.7/50

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 361.866+/-0.098 χ^2/NDF:287264.4/8

Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 369.968+/-0.107 χ^2/NDF:147699.2/6

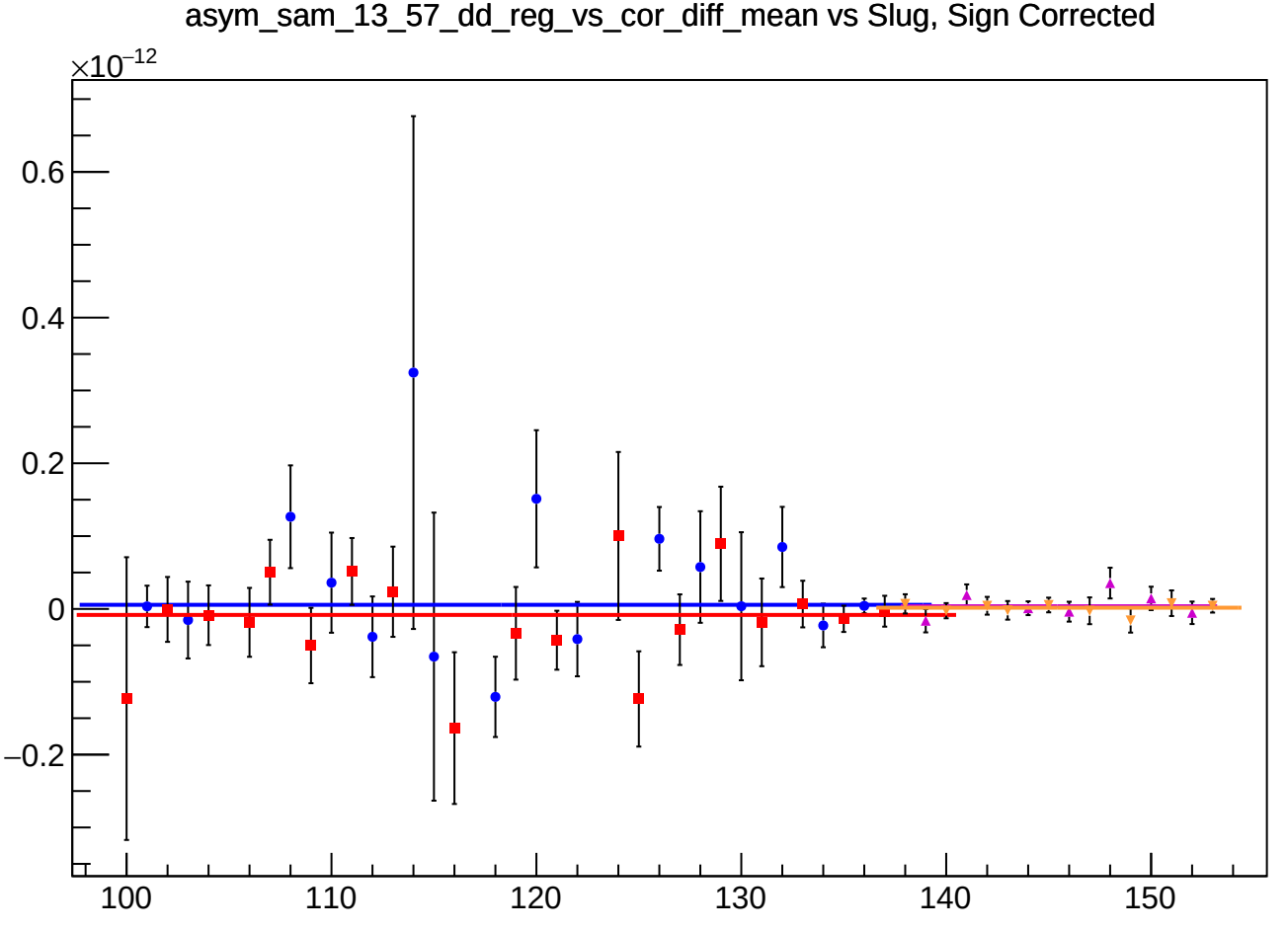
Left: 365.564+/-0.072 χ^2/NDF: 438091.7/15

Right: 481.865+/-0.092 χ^2/NDF: 1857489.5/34

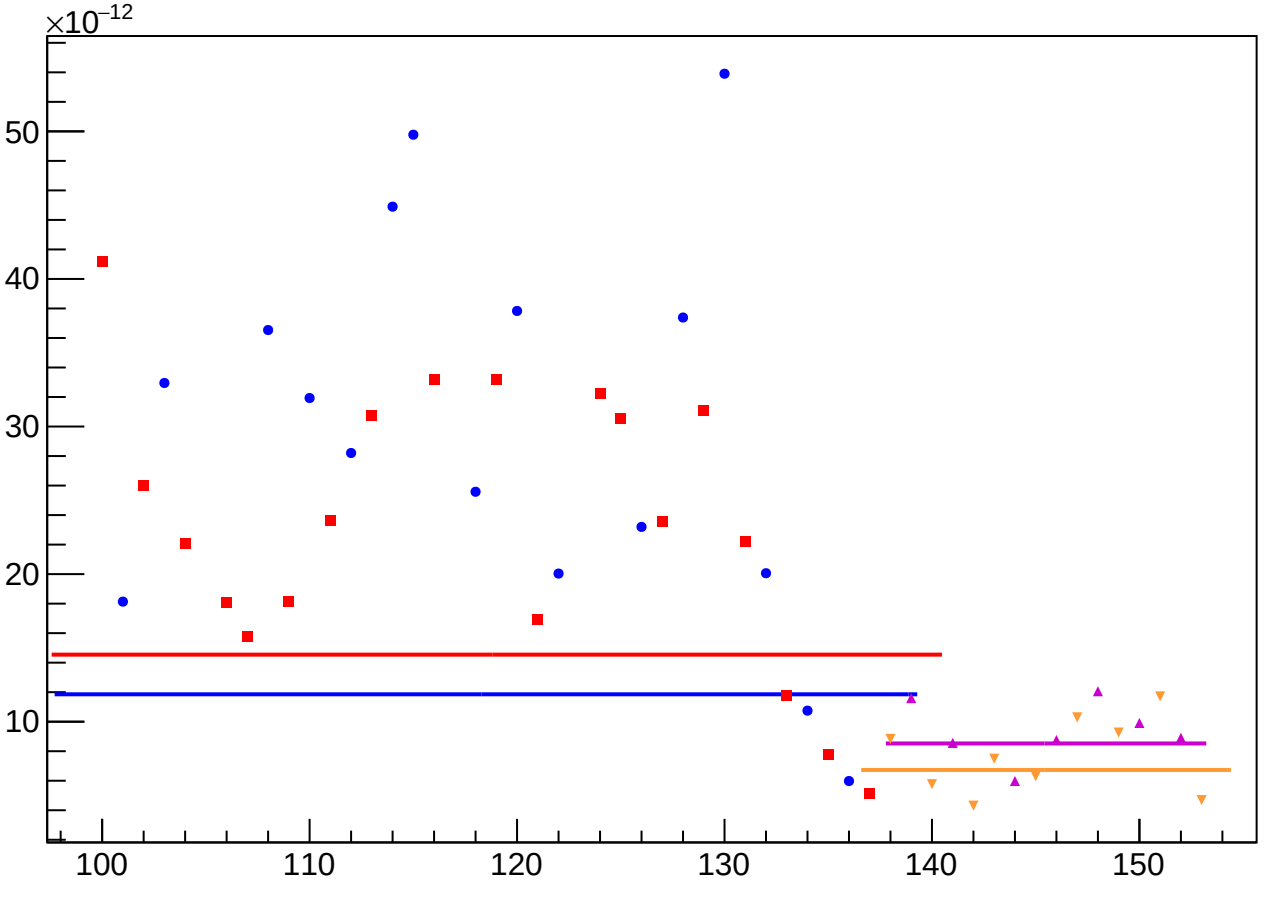
In: 411.778+/-0.082 χ^2/NDF:1525361.1/22

Out: 408.154+/-0.078 χ^2/NDF:1758944.1/27

All: 409.878+/-0.057 χ^2/NDF: 3285321.8/50


asym_sam_13_57_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 21.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1.9/8
Right Out: -0.000+/-0.000 χ²/NDF: 14.0/18
Left In: 0.000+/-0.000 χ²/NDF:6.1/6
Left: 0.000+/-0.000 χ²/NDF: 8.1/15
Right: -0.000+/-0.000 χ²/NDF: 36.4/34
In: 0.000+/-0.000 χ²/NDF:27.3/22
Out: 0.000+/-0.000 χ²/NDF:16.9/27
All: 0.000+/-0.000 χ²/NDF: 44.7/50

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2848478.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:533845.1/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1769864.5/18

Left In: 0.000+/-0.000 χ^2/NDF:291269.2/6

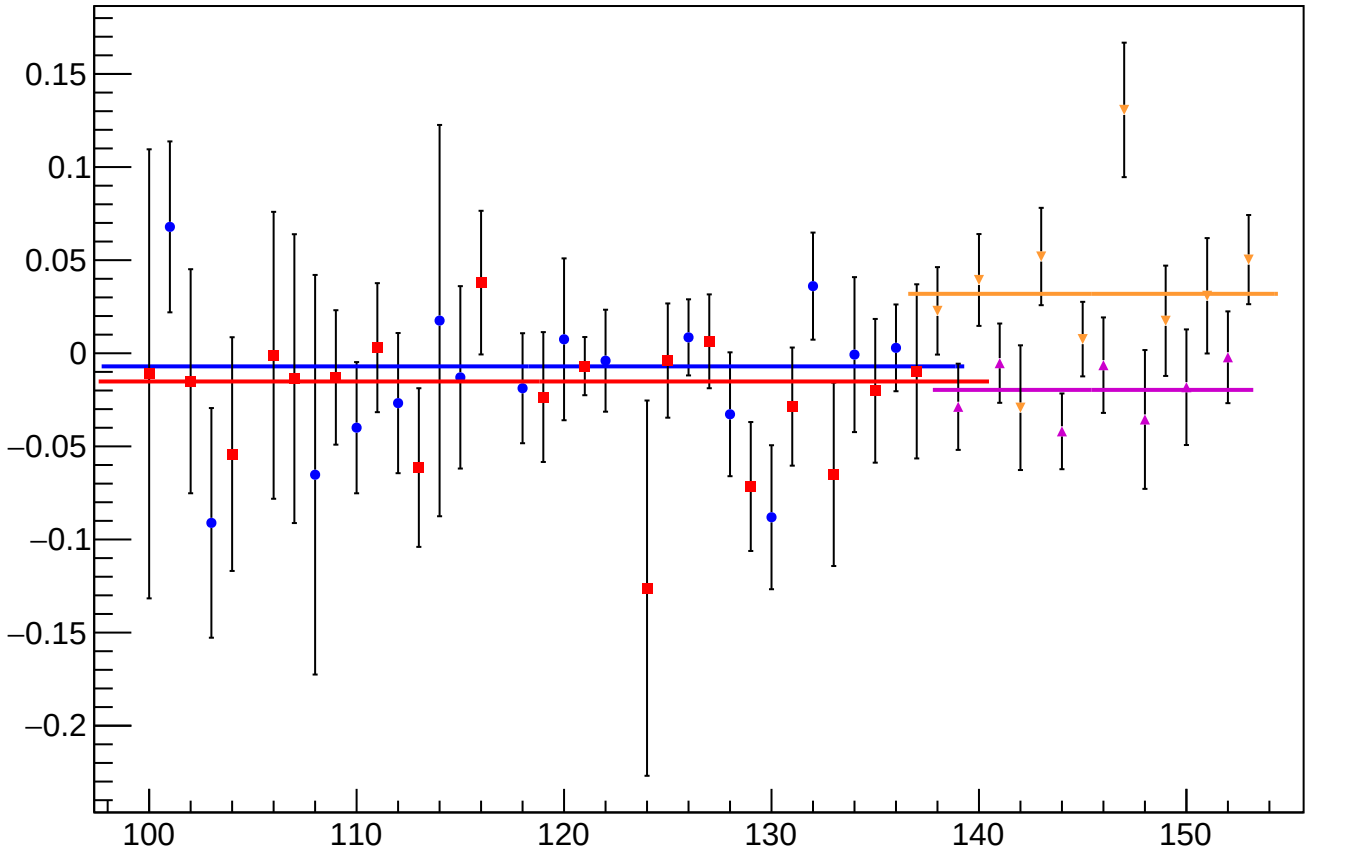
Left: 0.000+/-0.000 χ^2/NDF: 967618.7/15

Right: 0.000+/-0.000 χ^2/NDF: 4713356.4/34

In: 0.000+/-0.000 χ^2/NDF:3376096.2/22

Out: 0.000+/-0.000 χ^2/NDF:3485077.8/27

All: 0.000+/-0.000 χ^2/NDF: 6995180.2/50



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.032+/-0.009 χ^2/NDF:14.0/8

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.020+/-0.009 χ^2/NDF:2.8/6

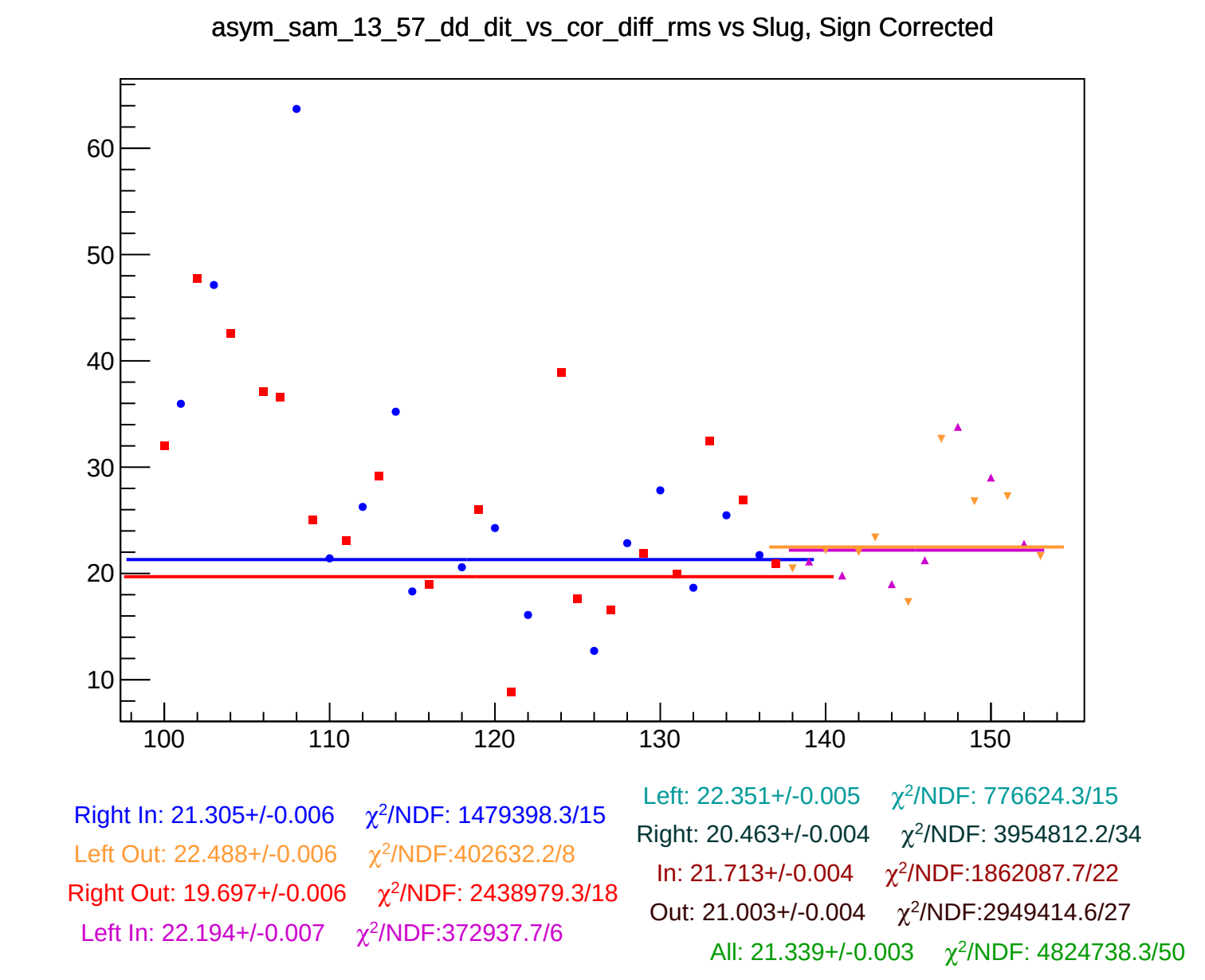
Left: 0.008+/-0.006 χ^2/NDF: 32.9/15

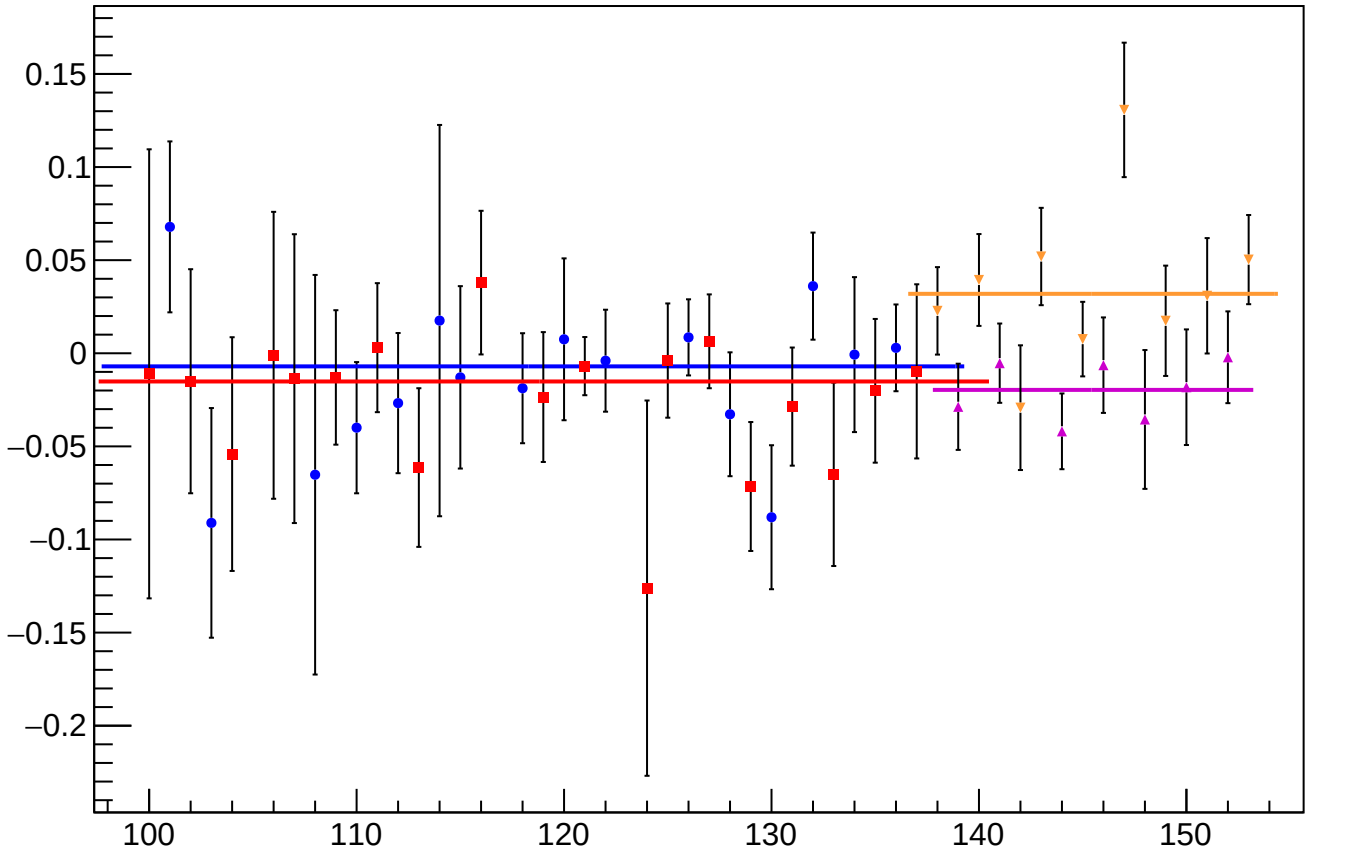
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.013+/-0.006 χ^2/NDF:18.1/22

Out: 0.007+/-0.006 χ^2/NDF:39.4/27

All: -0.002+/-0.004 χ^2/NDF: 62.5/50


asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 21.305+/-0.006 χ²/NDF: 1479398.3/15
Left Out: 22.488+/-0.006 χ²/NDF:402632.2/8
Right Out: 19.697+/-0.006 χ²/NDF: 2438979.3/18
Left In: 22.194+/-0.007 χ²/NDF:372937.7/6
Left: 22.351+/-0.005 χ²/NDF: 776624.3/15
Right: 20.463+/-0.004 χ²/NDF: 3954812.2/34
In: 21.713+/-0.004 χ²/NDF:1862087.7/22
Out: 21.003+/-0.004 χ²/NDF:2949414.6/27
All: 21.339+/-0.003 χ²/NDF: 4824738.3/50



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.032+/-0.009 χ^2/NDF:14.0/8

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.020+/-0.009 χ^2/NDF:2.8/6

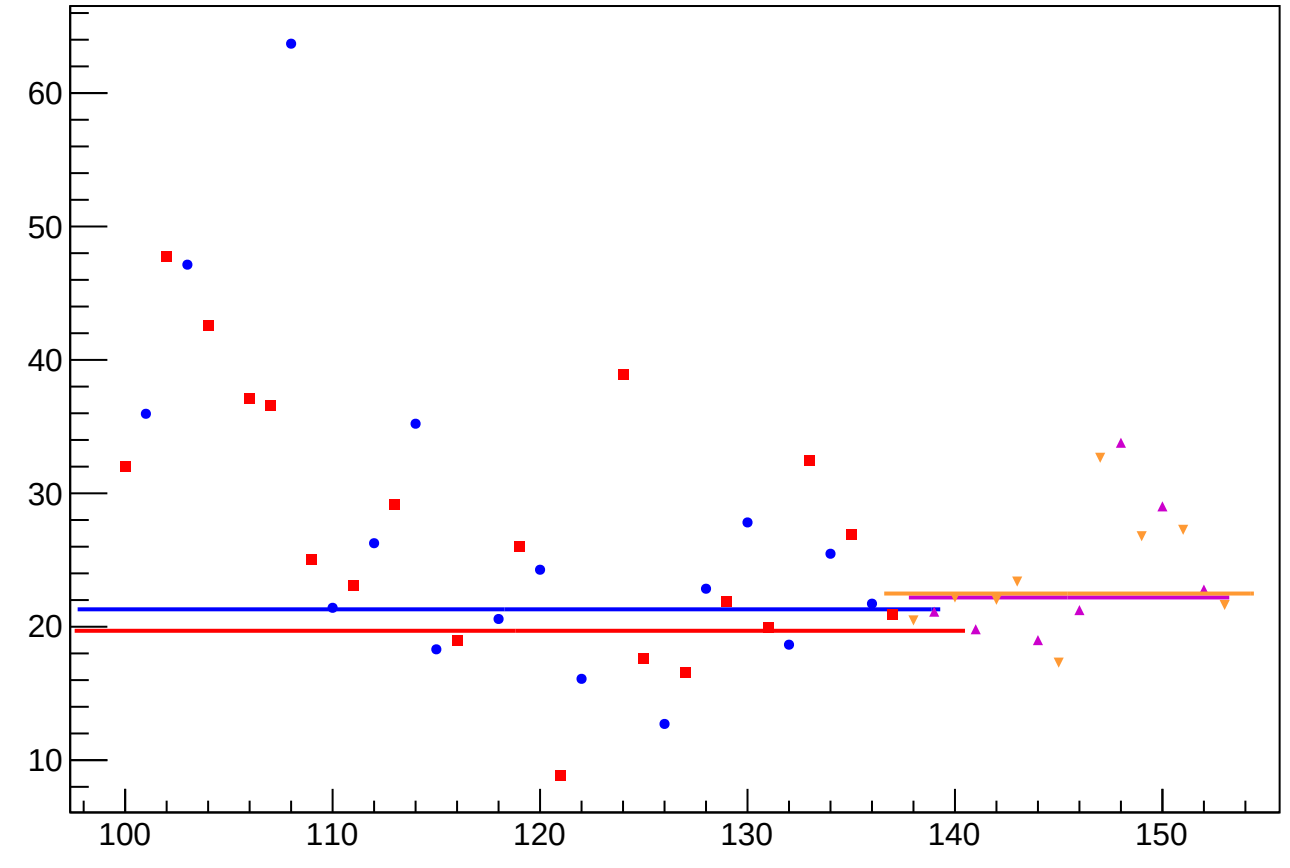
Left: 0.008+/-0.006 χ^2/NDF: 32.9/15

Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.013+/-0.006 χ^2/NDF:18.1/22

Out: 0.007+/-0.006 χ^2/NDF:39.4/27

All: -0.002+/-0.004 χ^2/NDF: 62.5/50



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 22.488+/-0.006 χ^2/NDF:402632.2/8

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 22.194+/-0.007 χ^2/NDF:372937.7/6

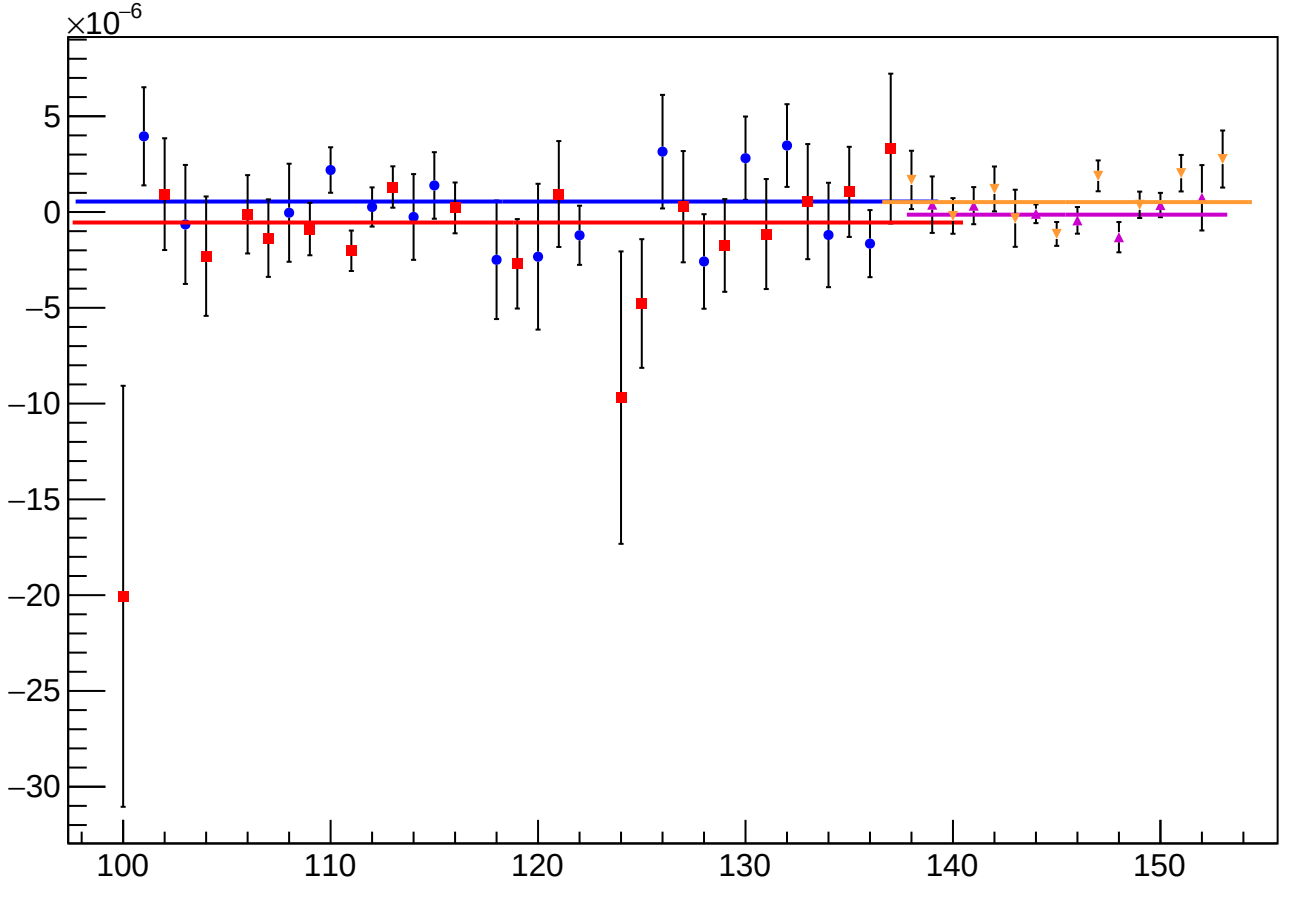
Left: 22.351+/-0.005 χ^2/NDF: 776624.3/15

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 21.713+/-0.004 χ^2/NDF:1862087.7/22

Out: 21.003+/-0.004 χ^2/NDF:2949414.6/27

All: 21.339+/-0.003 χ^2/NDF: 4824738.3/50



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.7/8

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:3.7/6

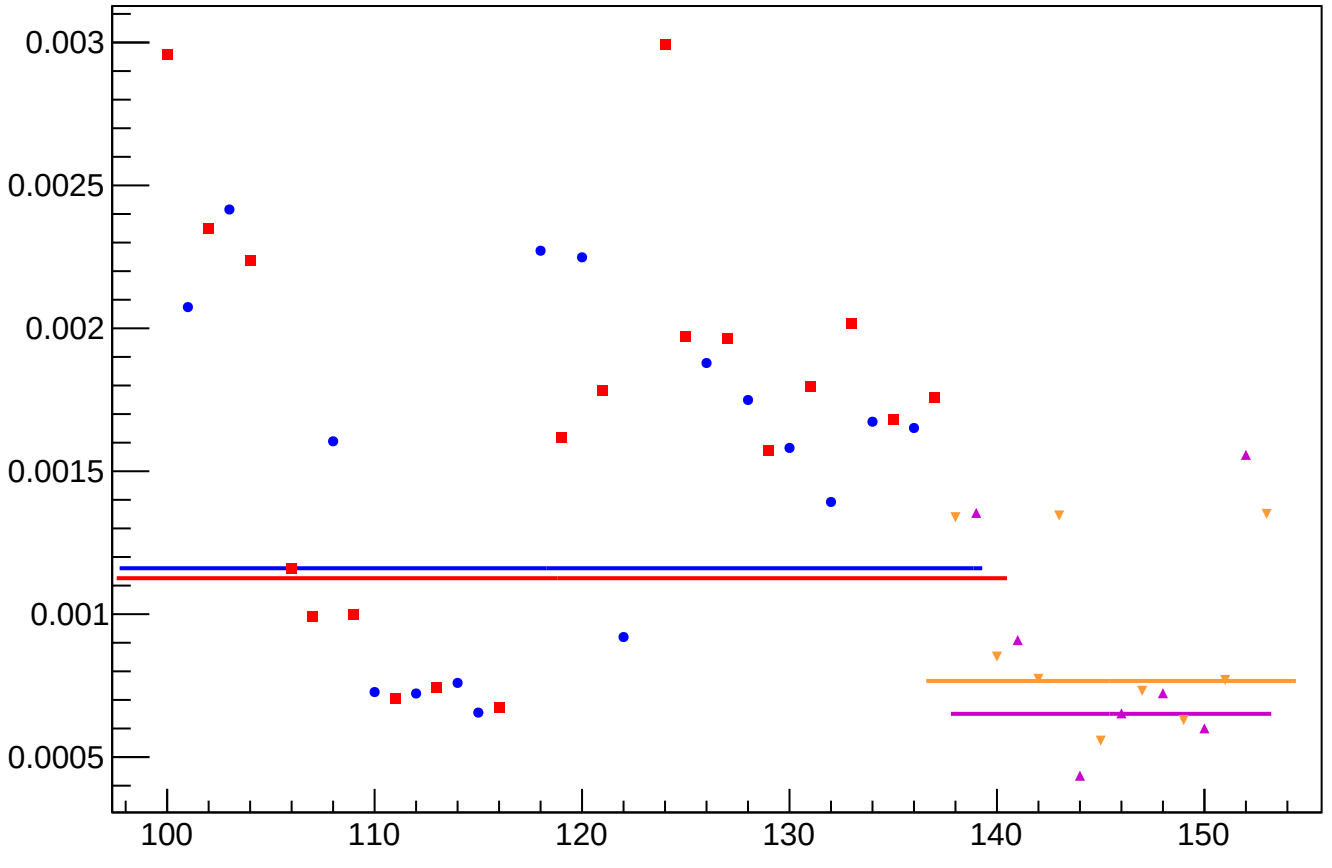
Left: 0.000+/-0.000 χ^2/NDF: 22.8/15

Right: -0.000+/-0.000 χ^2/NDF: 32.5/34

In: 0.000+/-0.000 χ^2/NDF:19.6/22

Out: 0.000+/-0.000 χ^2/NDF:35.7/27

All: 0.000+/-0.000 χ^2/NDF: 55.5/50



Right In: 0.001+/-0.000 χ^2/NDF: 2534643.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:1216405.2/8

Right Out: 0.001+/-0.000 χ^2/NDF: 2623987.9/18

Left In: 0.001+/-0.000 χ^2/NDF:1581065.1/6

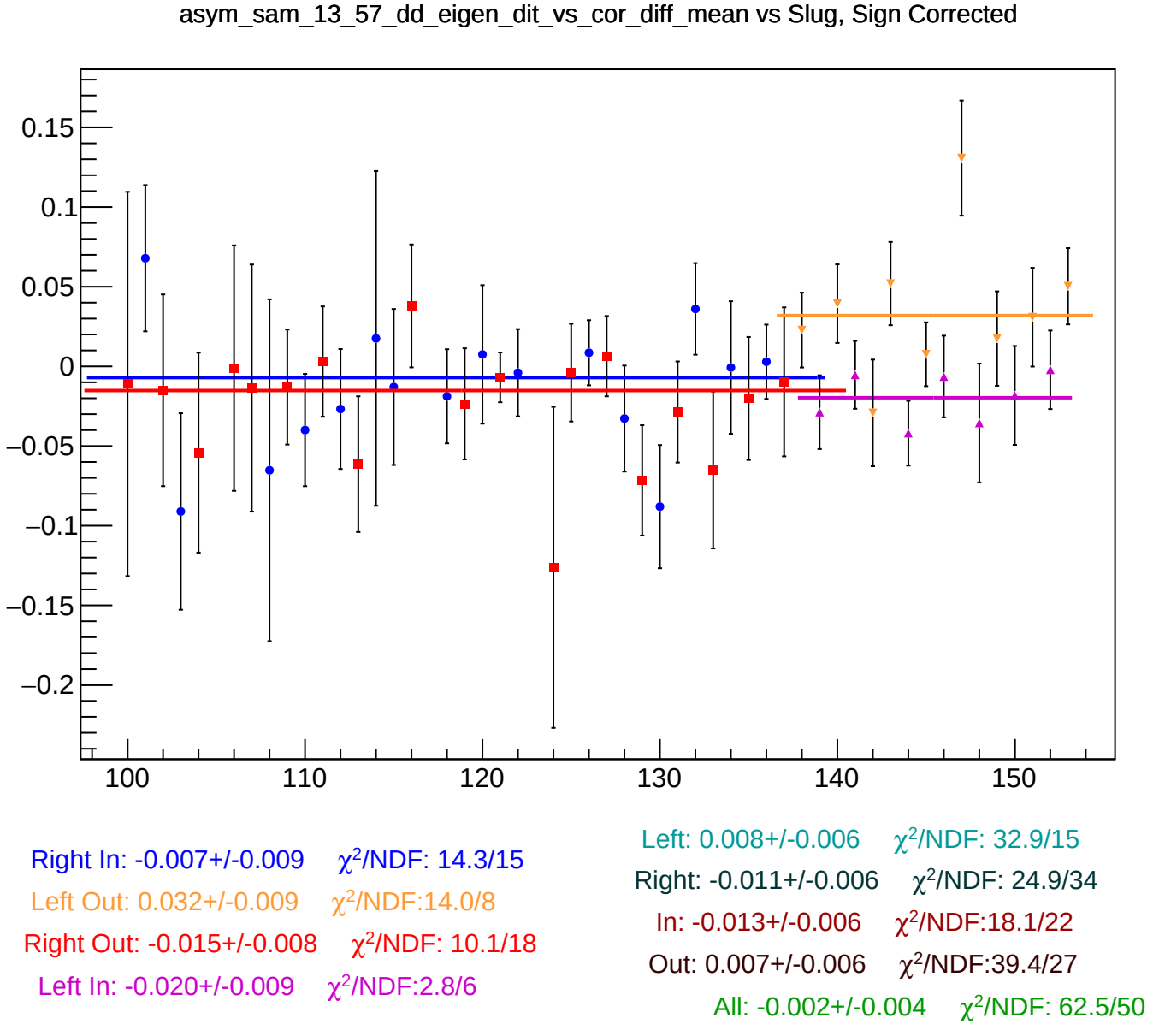
Left: 0.001+/-0.000 χ^2/NDF: 2946868.5/15

Right: 0.001+/-0.000 χ^2/NDF: 5164155.8/34

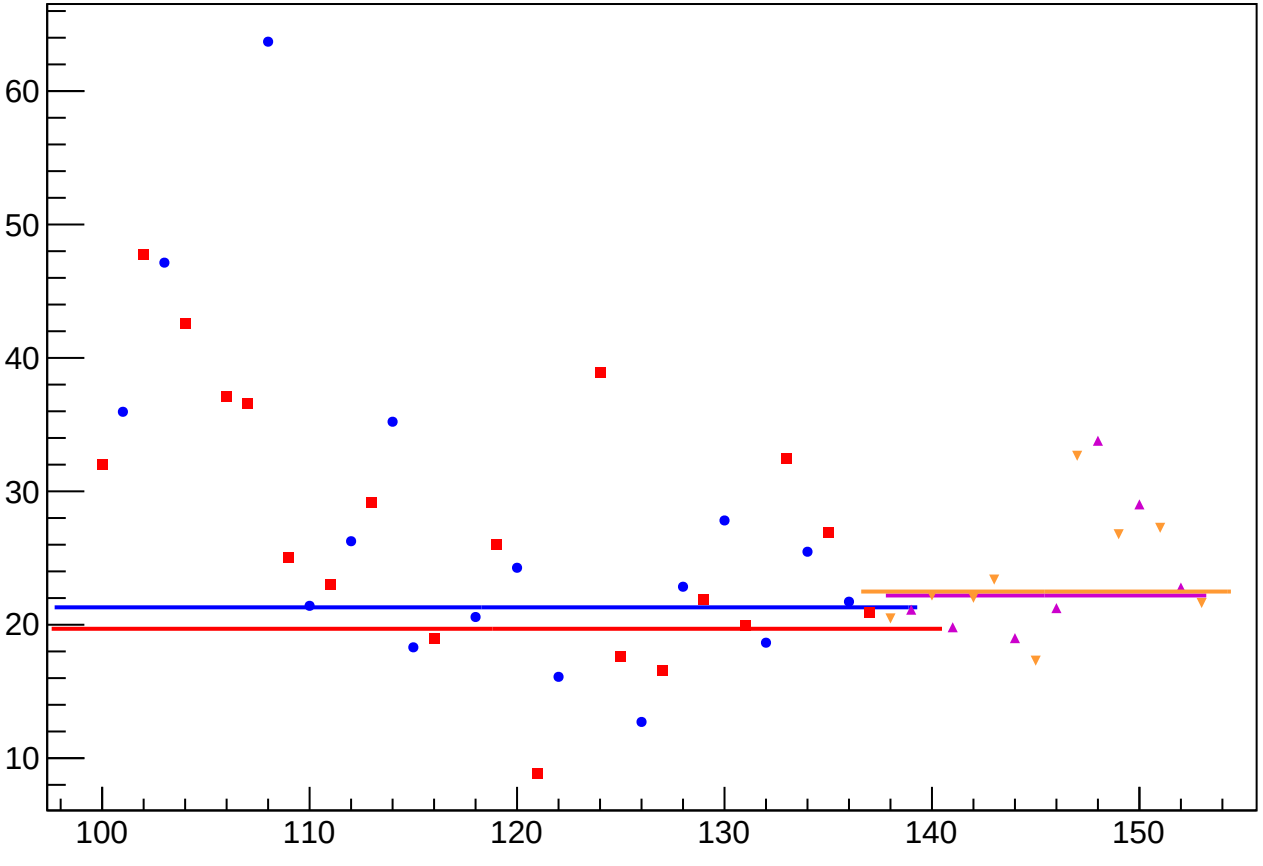
In: 0.001+/-0.000 χ^2/NDF:5782722.9/22

Out: 0.001+/-0.000 χ^2/NDF:4687614.8/27

All: 0.001+/-0.000 χ^2/NDF: 10606378.9/50


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
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.032+/-0.009 χ²/NDF:14.0/8
Right Out: -0.015+/-0.008 χ²/NDF: 10.1/18
Left In: -0.020+/-0.009 χ²/NDF:2.8/6
Left: 0.008+/-0.006 χ²/NDF: 32.9/15
Right: -0.011+/-0.006 χ²/NDF: 24.9/34
In: -0.013+/-0.006 χ²/NDF:18.1/22
Out: 0.007+/-0.006 χ²/NDF:39.4/27
All: -0.002+/-0.004 χ²/NDF: 62.5/50

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: 22.489+/-0.006 χ^2/NDF:402660.8/8

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 22.194+/-0.007 χ^2/NDF:372949.4/6

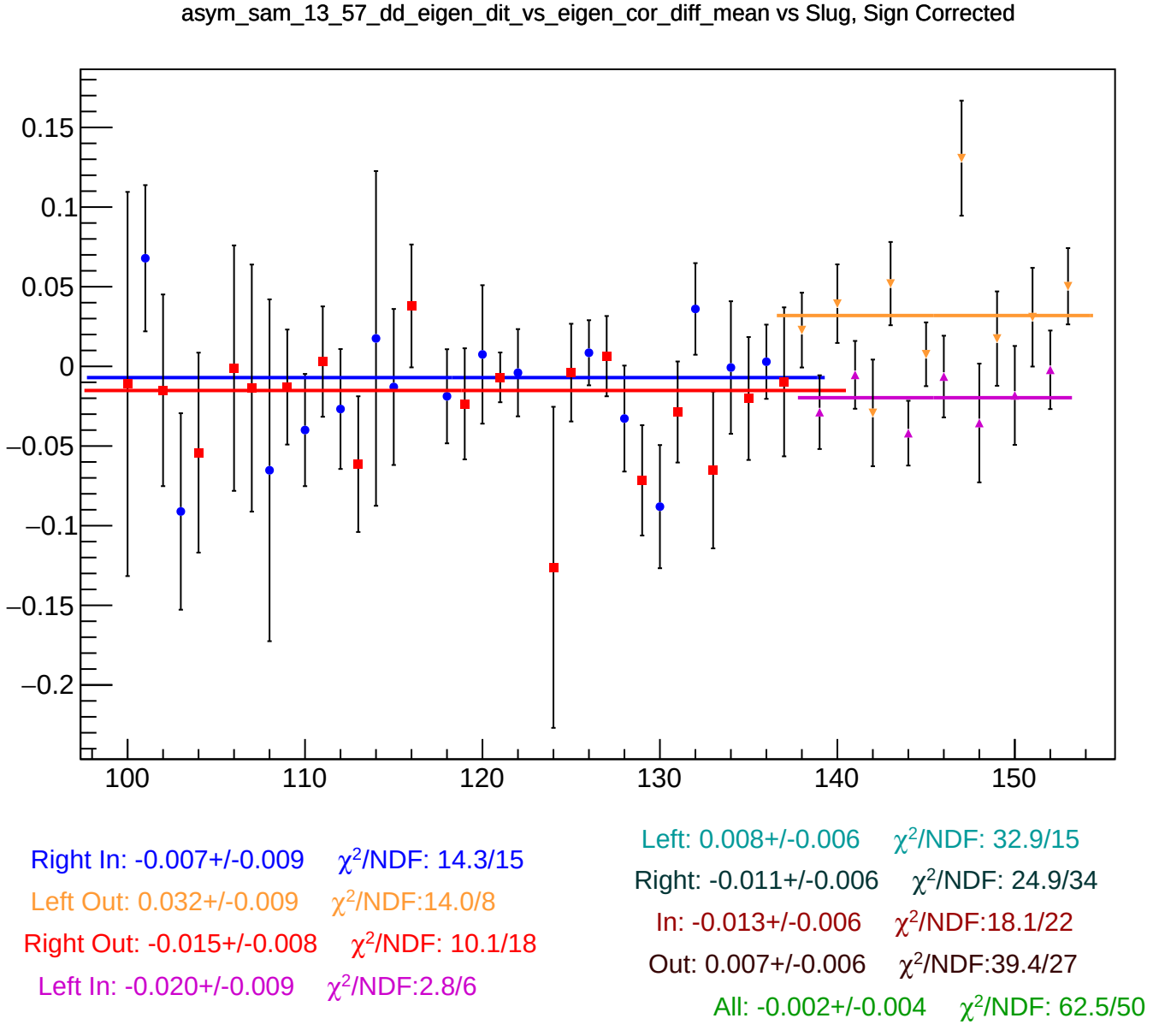
Left: 22.351+/-0.005 χ^2/NDF: 776664.1/15

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

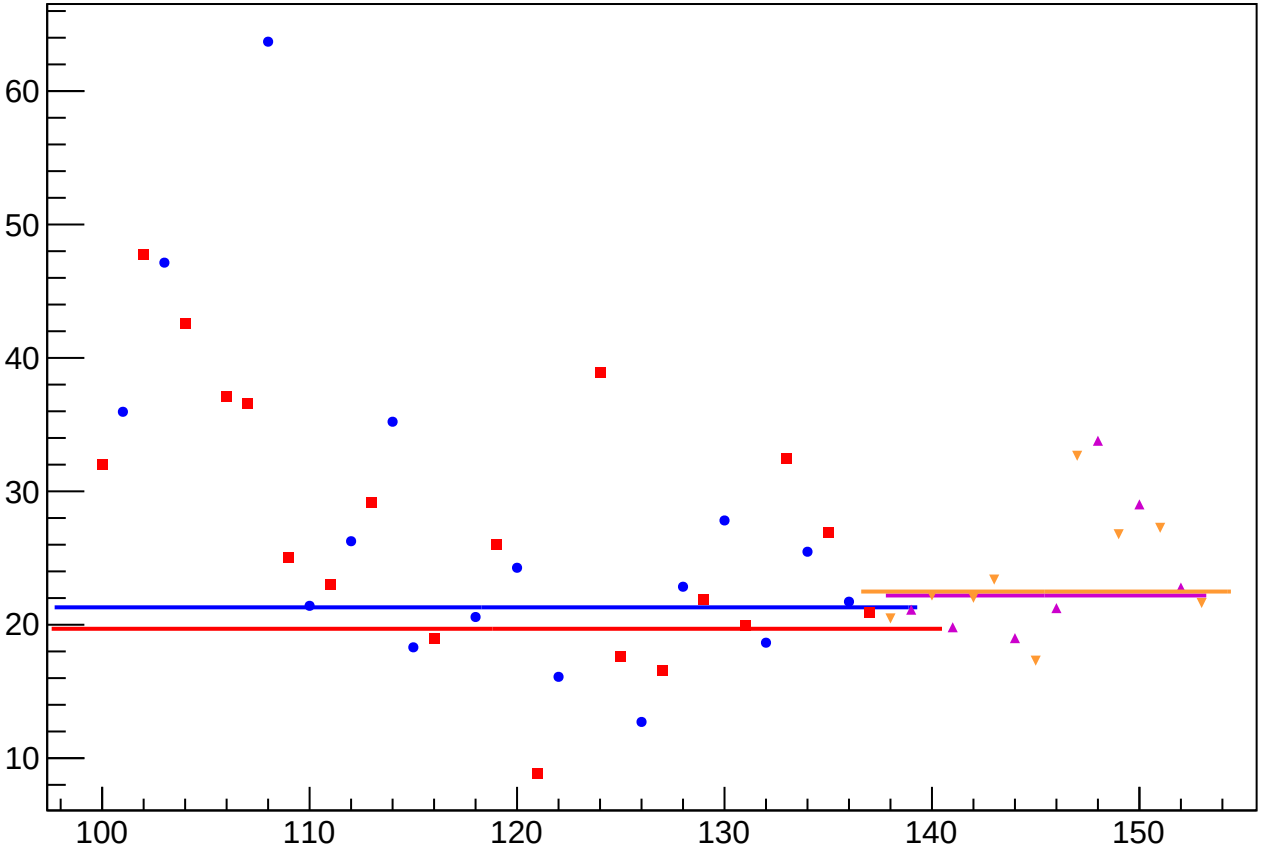
In: 21.714+/-0.004 χ^2/NDF:1861932.2/22

Out: 21.004+/-0.004 χ^2/NDF:2949040.4/27

All: 21.339+/-0.003 χ^2/NDF: 4824201.9/50


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
100
110
120
130
140
150
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.032+/-0.009 χ²/NDF:14.0/8
Right Out: -0.015+/-0.008 χ²/NDF: 10.1/18
Left In: -0.020+/-0.009 χ²/NDF:2.8/6
Left: 0.008+/-0.006 χ²/NDF: 32.9/15
Right: -0.011+/-0.006 χ²/NDF: 24.9/34
In: -0.013+/-0.006 χ²/NDF:18.1/22
Out: 0.007+/-0.006 χ²/NDF:39.4/27
All: -0.002+/-0.004 χ²/NDF: 62.5/50

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: 22.489+/-0.006 χ^2/NDF:402660.8/8

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 22.194+/-0.007 χ^2/NDF:372949.4/6

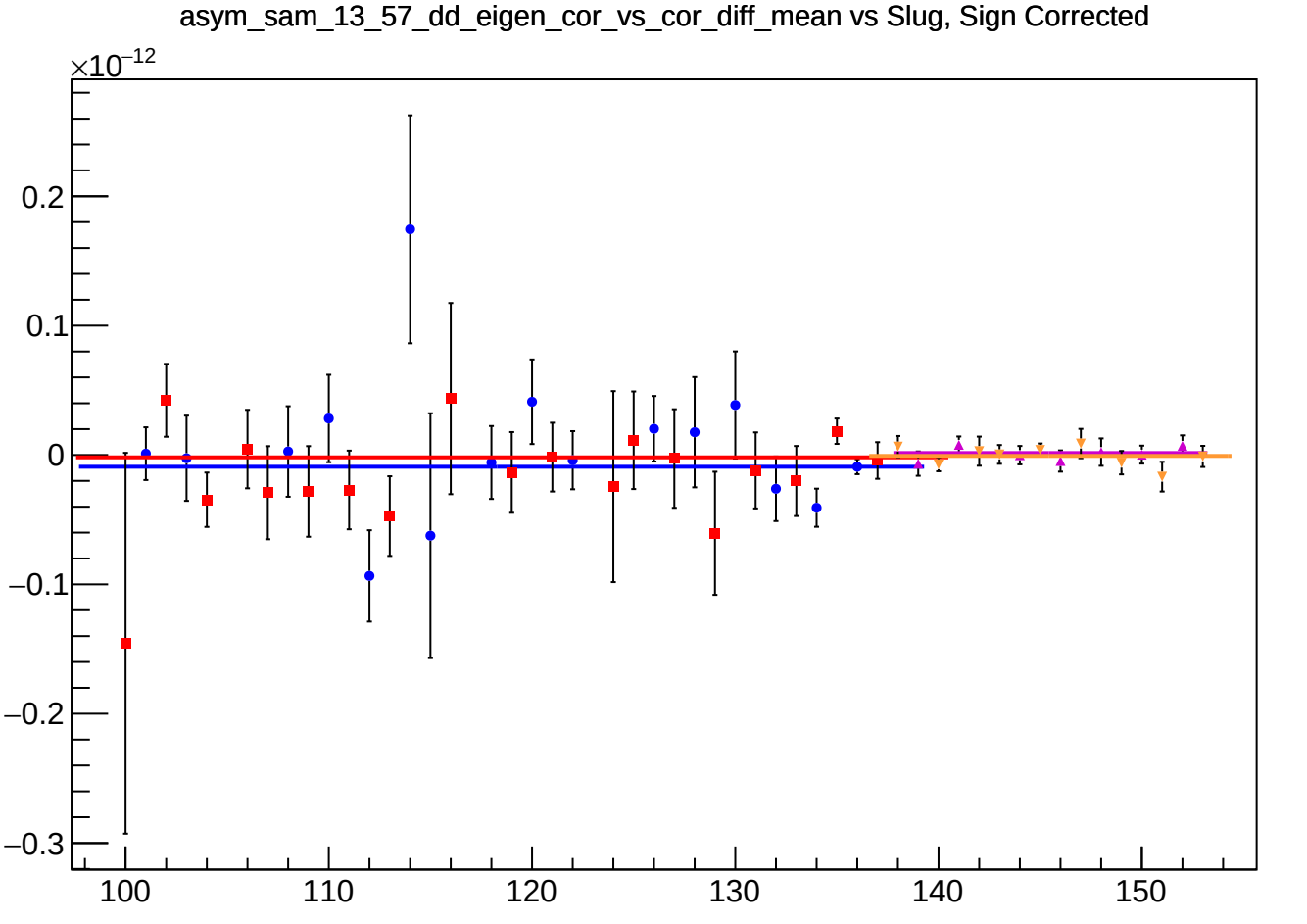
Left: 22.351+/-0.005 χ^2/NDF: 776664.1/15

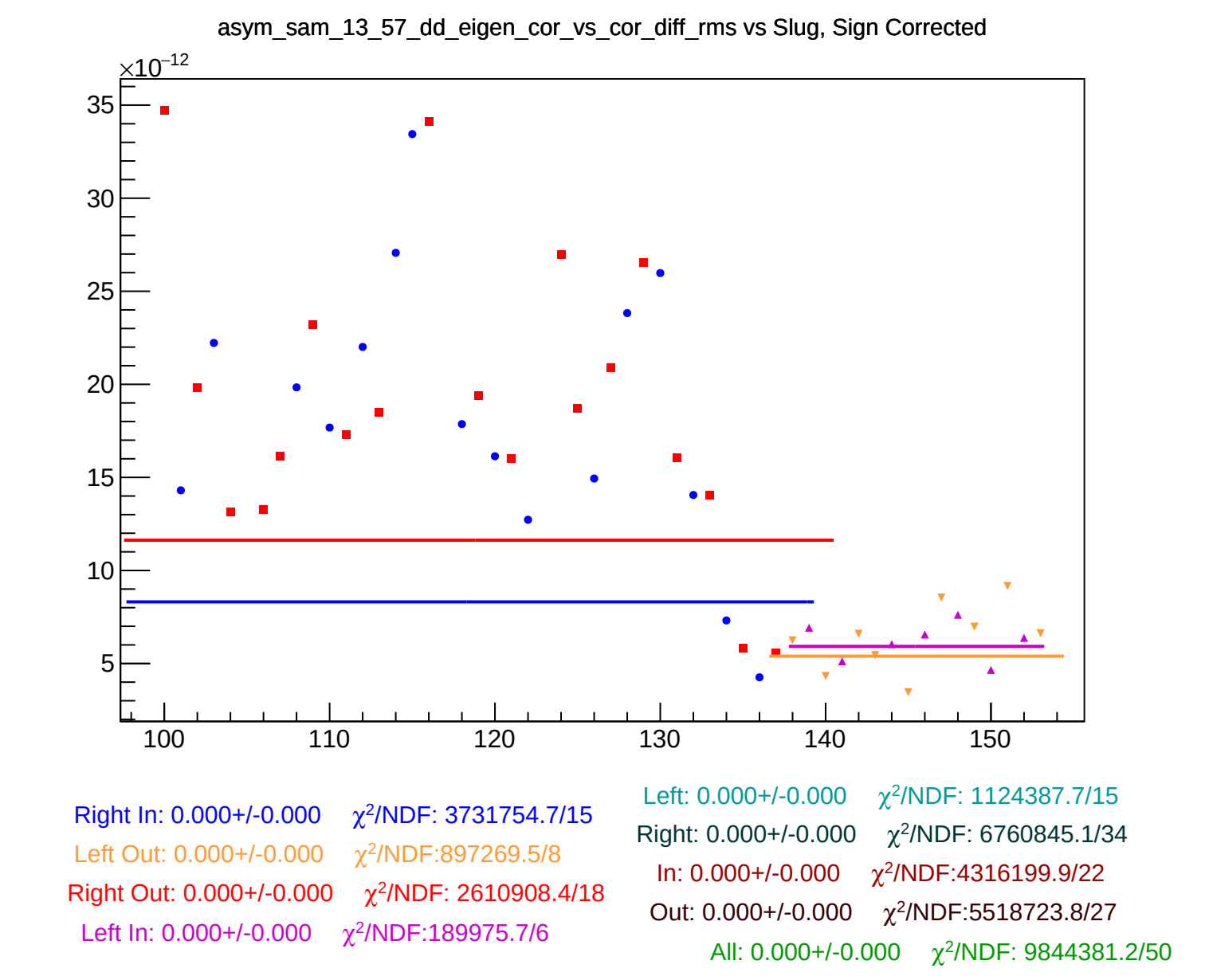
Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

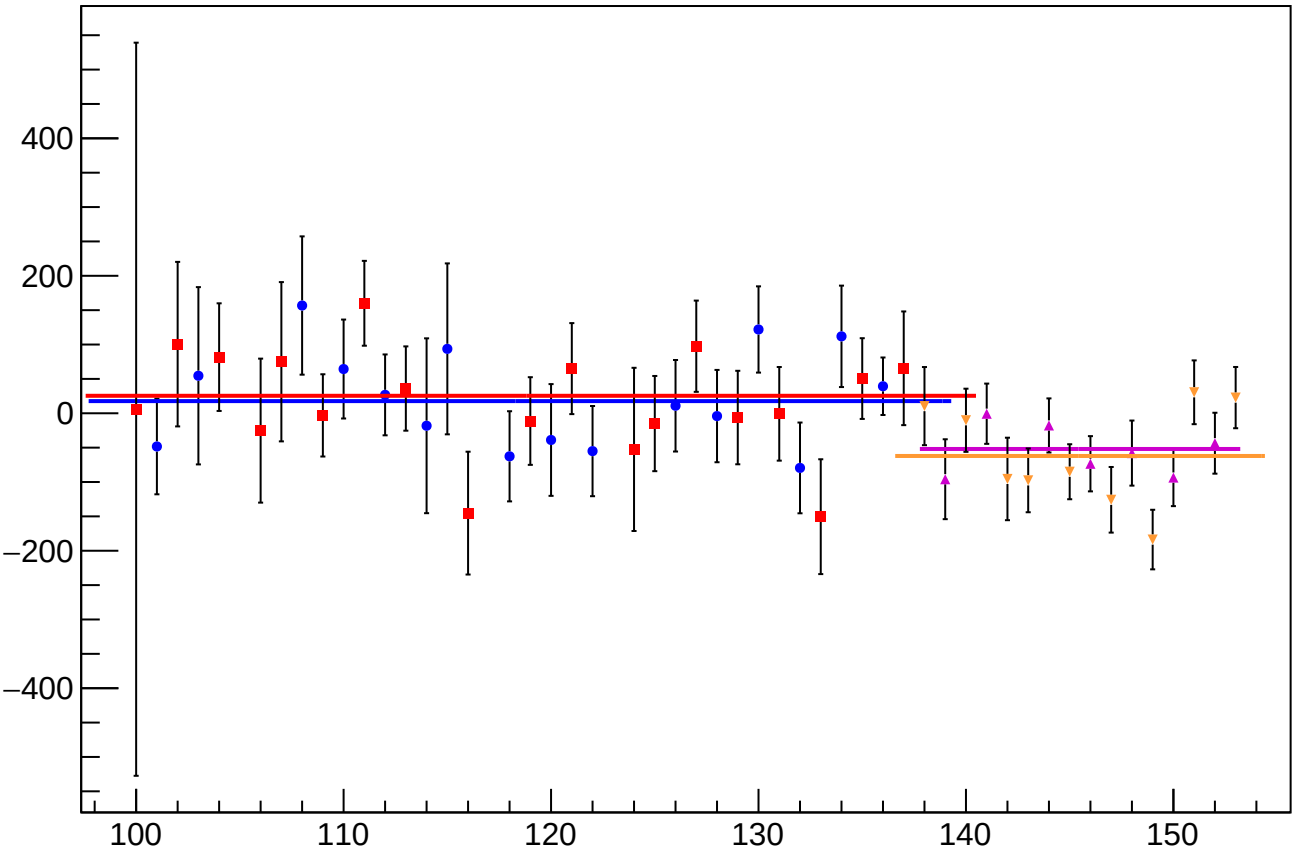
In: 21.714+/-0.004 χ^2/NDF:1861932.2/22

Out: 21.004+/-0.004 χ^2/NDF:2949040.4/27

All: 21.339+/-0.003 χ^2/NDF: 4824201.9/50


asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 22.6/15
Left Out: -0.000+/-0.000 χ²/NDF:6.2/8
Right Out: -0.000+/-0.000 χ²/NDF: 17.0/18
Left In: 0.000+/-0.000 χ²/NDF:2.8/6
Left: 0.000+/-0.000 χ²/NDF: 9.3/15
Right: -0.000+/-0.000 χ²/NDF: 40.6/34
In: -0.000+/-0.000 χ²/NDF:29.3/22
Out: -0.000+/-0.000 χ²/NDF:23.2/27
All: -0.000+/-0.000 χ²/NDF: 52.5/50


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
Right In: 0.000+/-0.000 χ²/NDF: 3731754.7/15
Left Out: 0.000+/-0.000 χ²/NDF:897269.5/8
Right Out: 0.000+/-0.000 χ²/NDF: 2610908.4/18
Left In: 0.000+/-0.000 χ²/NDF:189975.7/6
Left: 0.000+/-0.000 χ²/NDF: 1124387.7/15
Right: 0.000+/-0.000 χ²/NDF: 6760845.1/34
In: 0.000+/-0.000 χ²/NDF:4316199.9/22
Out: 0.000+/-0.000 χ²/NDF:5518723.8/27
All: 0.000+/-0.000 χ²/NDF: 9844381.2/50



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -62.119+/-15.638 χ^2/NDF:21.4/8

Right Out: 25.440+/-17.337 χ^2/NDF: 17.8/18

Left In: -51.940+/-16.629 χ^2/NDF:4.0/6

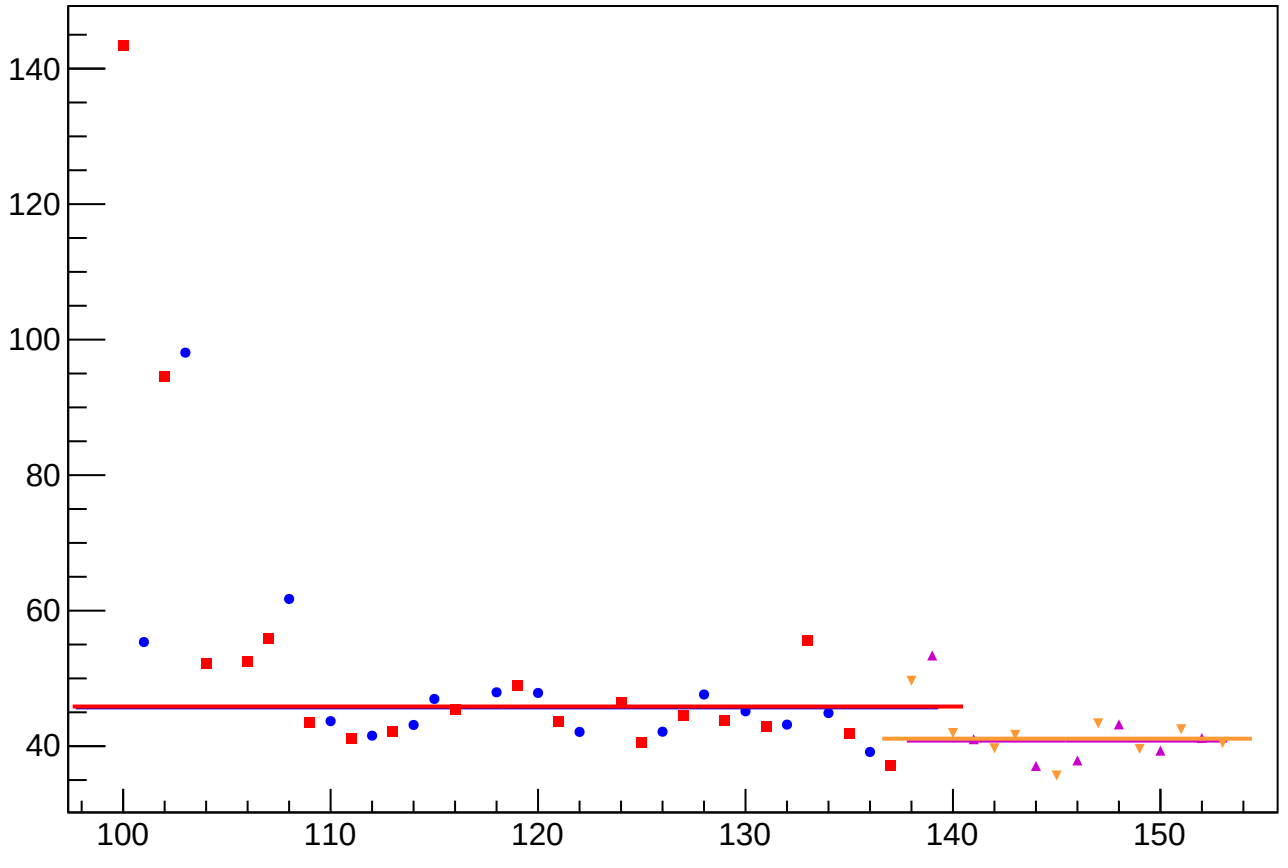
Left: -57.342+/-11.392 χ^2/NDF: 25.6/15

Right: 21.600+/-12.306 χ^2/NDF: 31.9/34

In: -18.836+/-12.045 χ^2/NDF:26.3/22

Out: -22.839+/-11.612 χ^2/NDF:53.3/27

All: -20.911+/-8.360 χ^2/NDF: 79.7/50



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 41.108+/-0.011 χ^2/NDF:93516.4/8

Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 40.824+/-0.012 χ^2/NDF:129980.4/6

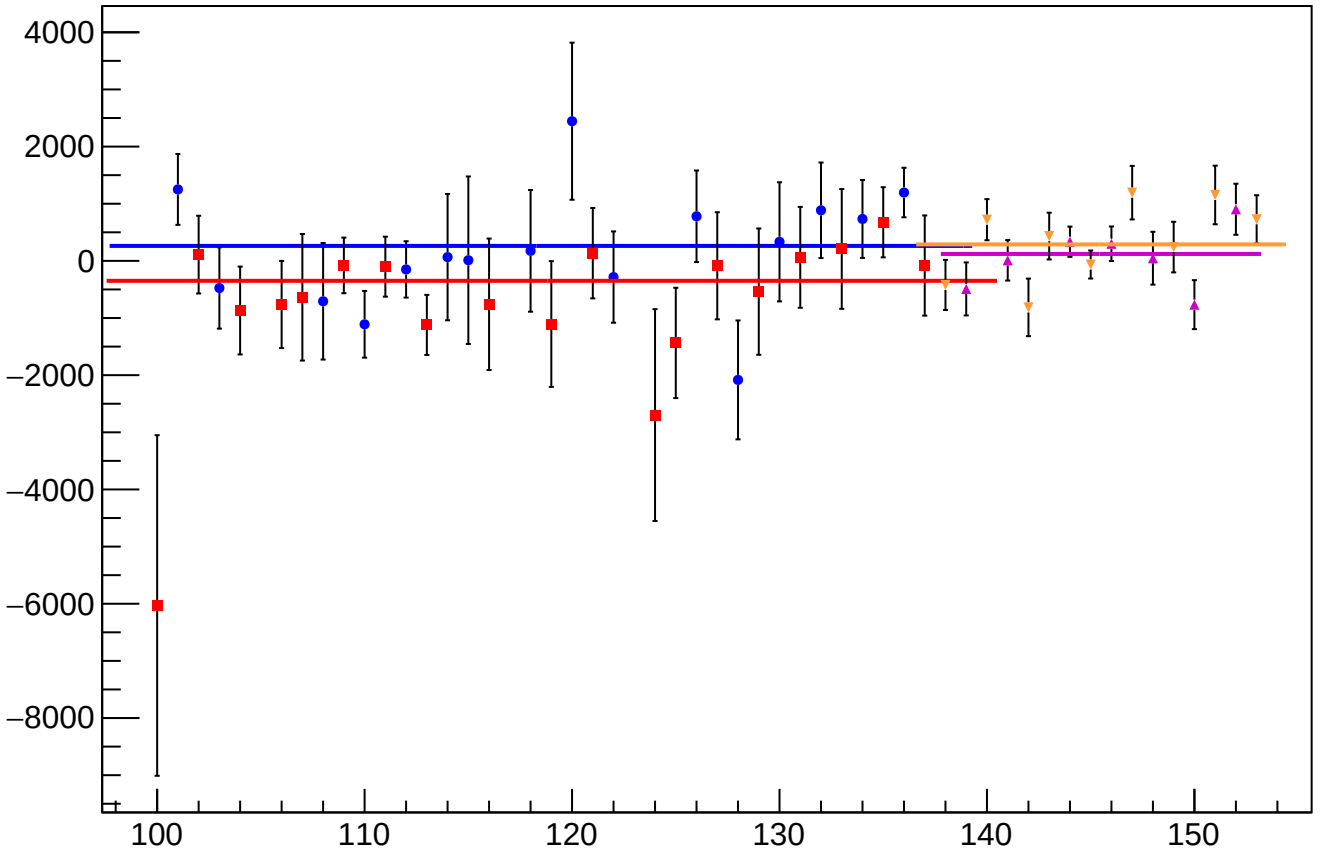
Left: 40.974+/-0.008 χ^2/NDF: 223805.3/15

Right: 45.788+/-0.009 χ^2/NDF: 1041667.0/34

In: 43.155+/-0.009 χ^2/NDF:714077.5/22

Out: 43.235+/-0.008 χ^2/NDF:716166.0/27

All: 43.196+/-0.006 χ^2/NDF: 1430289.3/50



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 288.090+/-130.695 χ^2/NDF:18.7/8

Right Out: -348.685+/-180.682 χ^2/NDF: 14.9/18

Left In: 121.054+/-137.430 χ^2/NDF:10.2/6

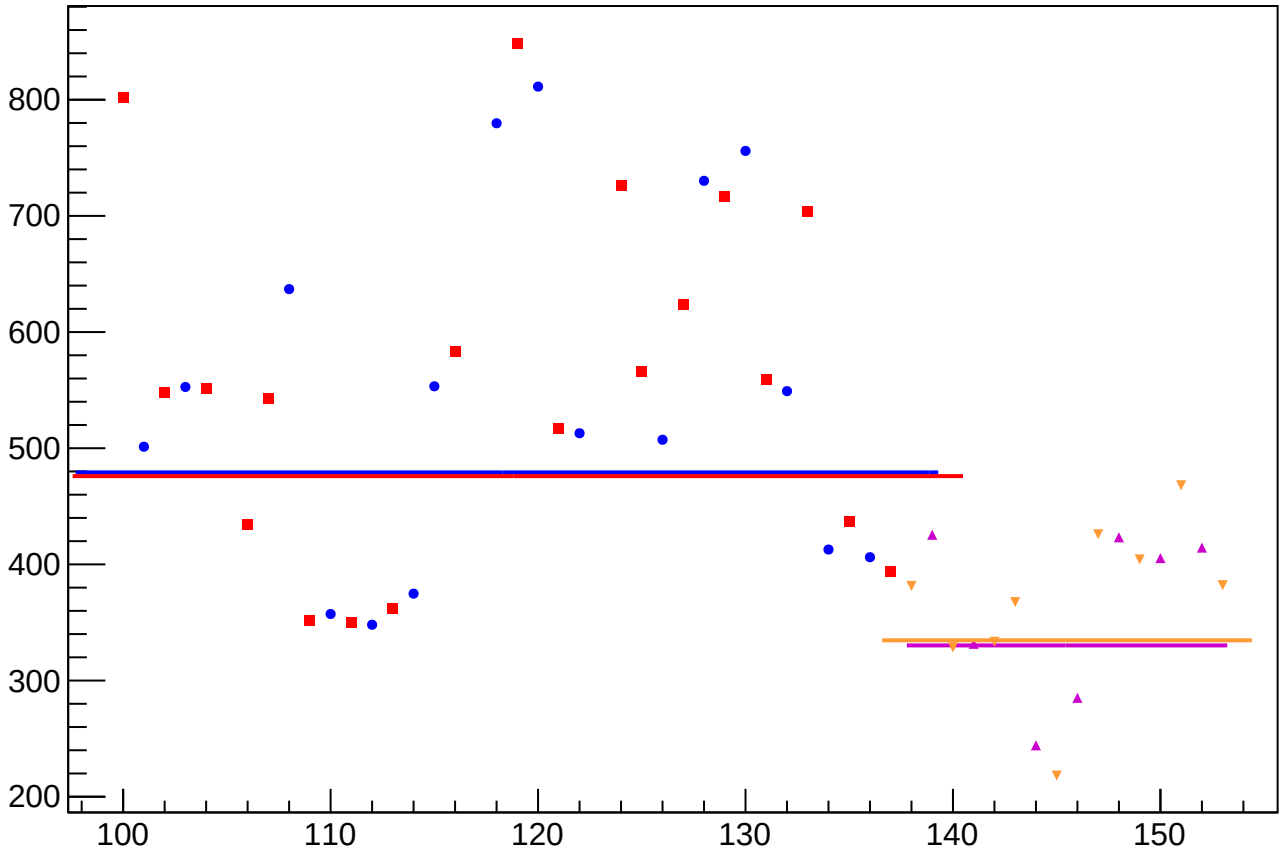
Left: 208.766+/-94.707 χ^2/NDF: 29.7/15

Right: -50.928+/-129.333 χ^2/NDF: 45.5/34

In: 171.082+/-110.366 χ^2/NDF:35.6/22

Out: 69.360+/-105.895 χ^2/NDF:41.8/27

All: 118.119+/-76.411 χ^2/NDF: 77.8/50



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 334.644+/-0.092 χ^2/NDF:772580.1/8

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

Left In: 330.260+/-0.097 χ^2/NDF:553812.9/6

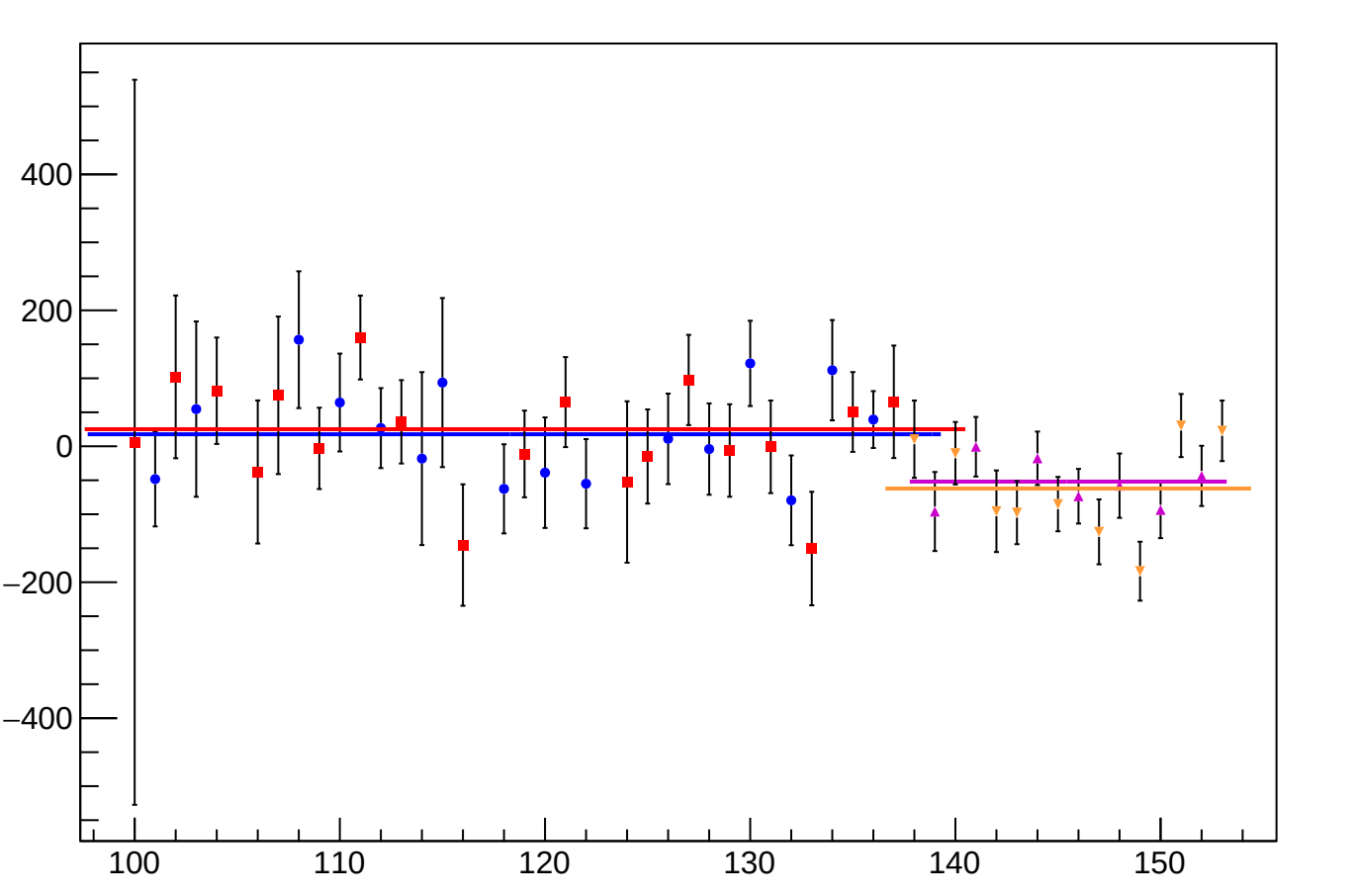
Left: 332.562+/-0.067 χ^2/NDF: 1327461.7/15

Right: 477.545+/-0.091 χ^2/NDF: 1959484.6/34

In: 383.139+/-0.078 χ^2/NDF:2340360.3/22

Out: 383.197+/-0.075 χ^2/NDF:2582619.2/27

All: 383.169+/-0.054 χ^2/NDF: 4922979.8/50



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -62.120+/-15.638 χ^2/NDF:21.4/8

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -51.942+/-16.629 χ^2/NDF:4.0/6

Left: -57.343+/-11.392 χ^2/NDF: 25.6/15

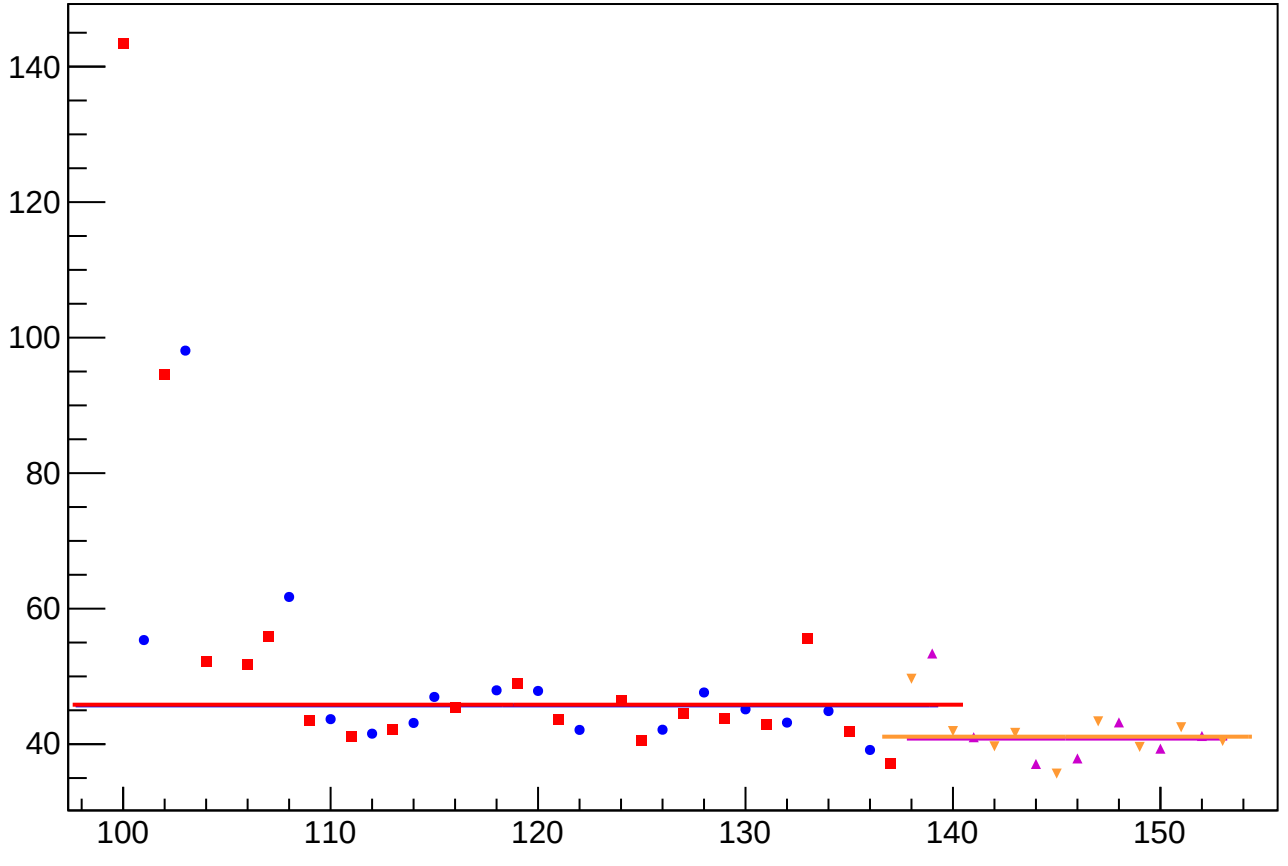
Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -18.835+/-12.045 χ^2/NDF:26.3/22

Out: -22.978+/-11.613 χ^2/NDF:53.4/27

All: -20.982+/-8.360 χ^2/NDF: 79.7/50

cor_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 41.108+/-0.011 χ^2/NDF:93516.4/8

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 40.824+/-0.012 χ^2/NDF:129980.4/6

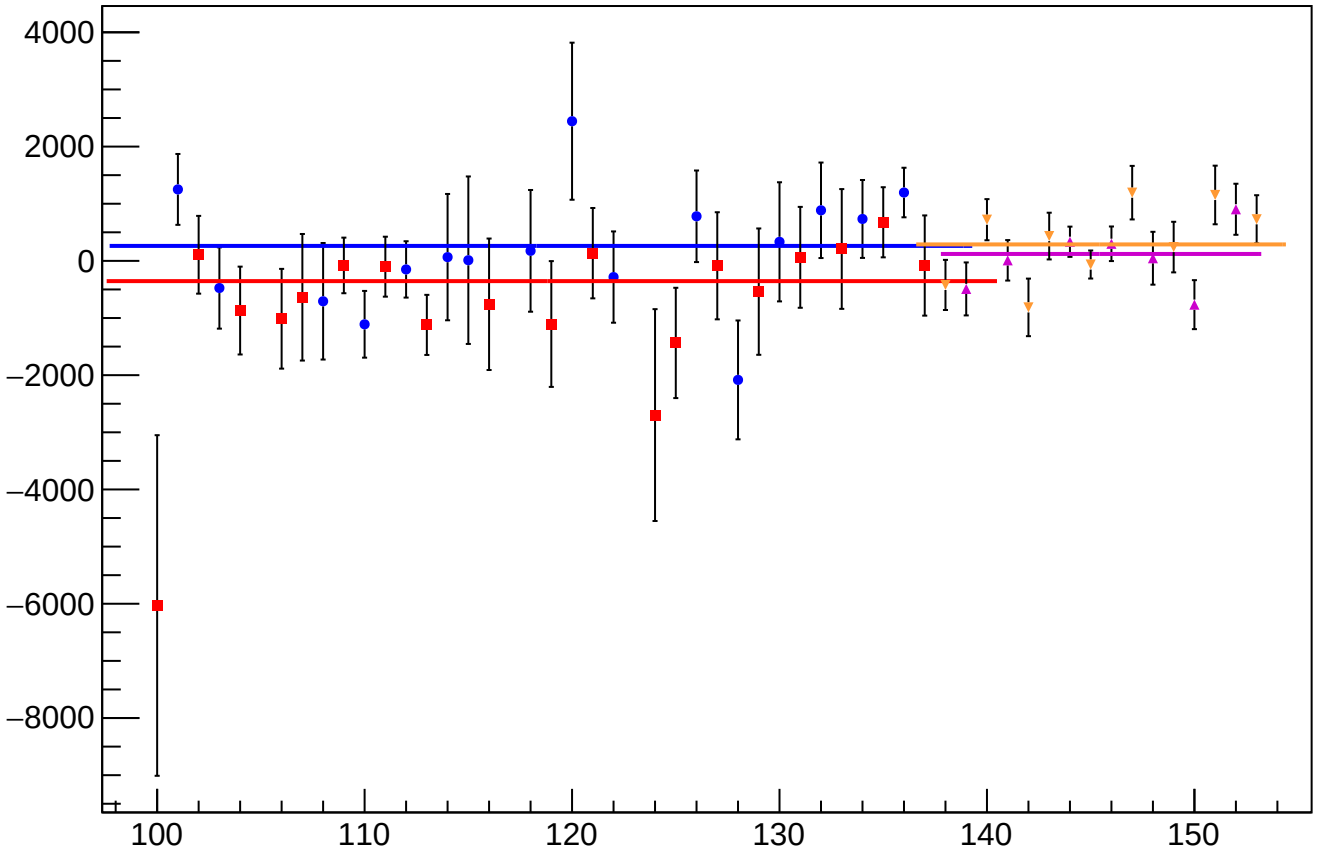
Left: 40.974+/-0.008 χ^2/NDF: 223805.3/15

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 43.155+/-0.009 χ^2/NDF:714080.5/22

Out: 43.224+/-0.008 χ^2/NDF:713639.8/27

All: 43.190+/-0.006 χ^2/NDF: 1427754.4/50



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 288.089+/-130.695 χ^2/NDF:18.7/8

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: 121.053+/-137.431 χ^2/NDF:10.2/6

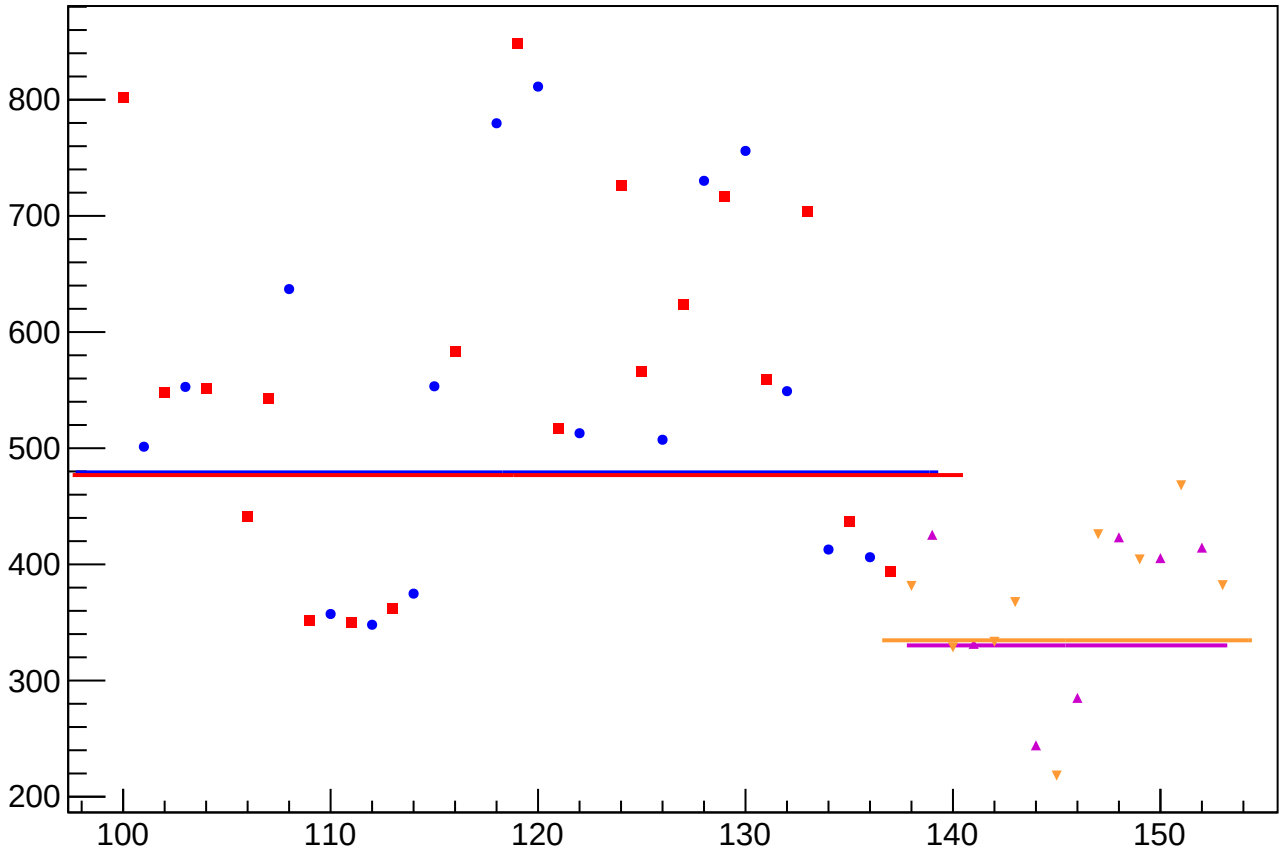
Left: 208.765+/-94.707 χ^2/NDF: 29.7/15

Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 171.083+/-110.366 χ^2/NDF:35.6/22

Out: 69.409+/-106.139 χ^2/NDF:42.1/27

All: 118.262+/-76.502 χ^2/NDF: 78.1/50



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 334.644+/-0.092 χ^2/NDF:772580.6/8

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 330.260+/-0.097 χ^2/NDF:553814.8/6

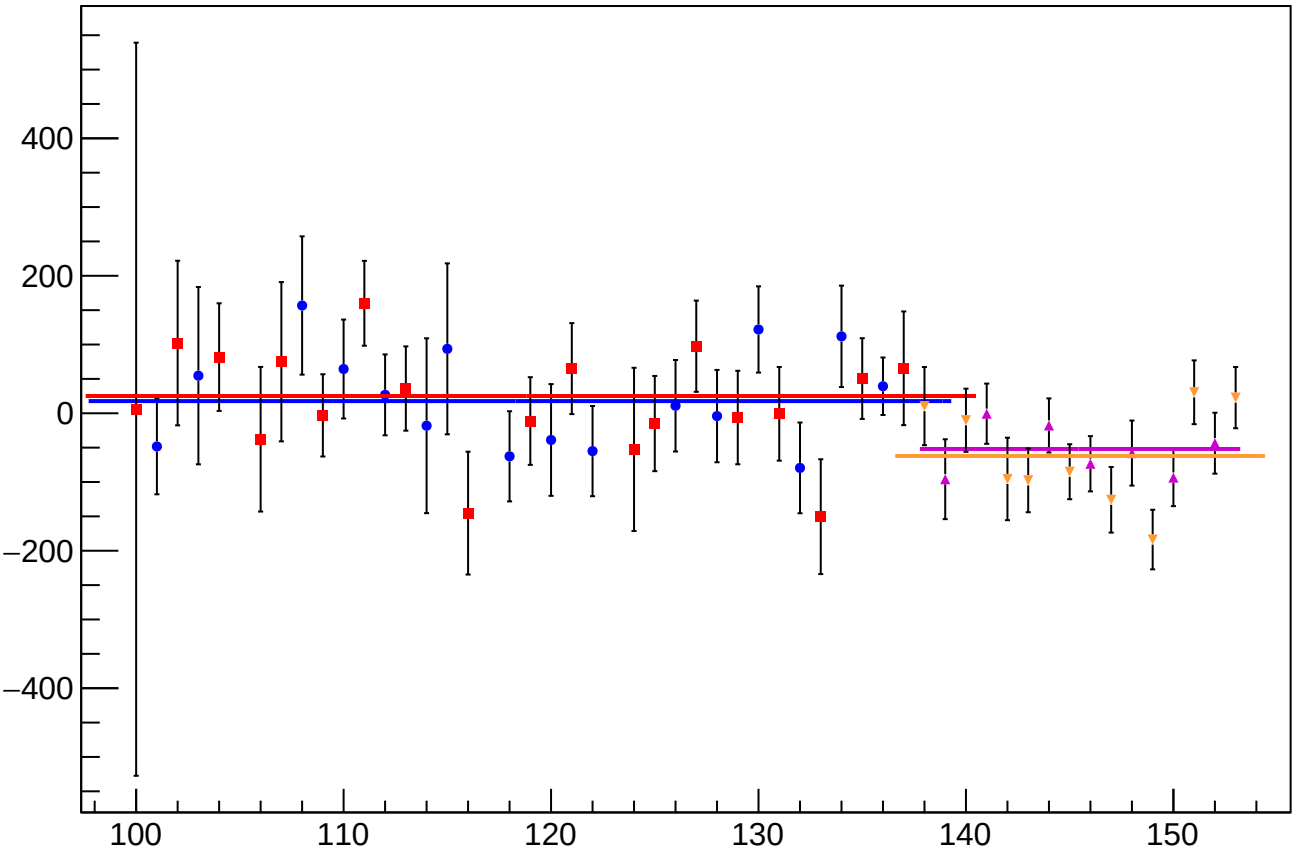
Left: 332.562+/-0.067 χ^2/NDF: 1327464.0/15

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 383.139+/-0.078 χ^2/NDF:2340406.9/22

Out: 383.075+/-0.075 χ^2/NDF:2582997.6/27

All: 383.106+/-0.054 χ^2/NDF: 4923404.9/50



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -62.120+/-15.638 χ^2/NDF:21.4/8

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -51.942+/-16.629 χ^2/NDF:4.0/6

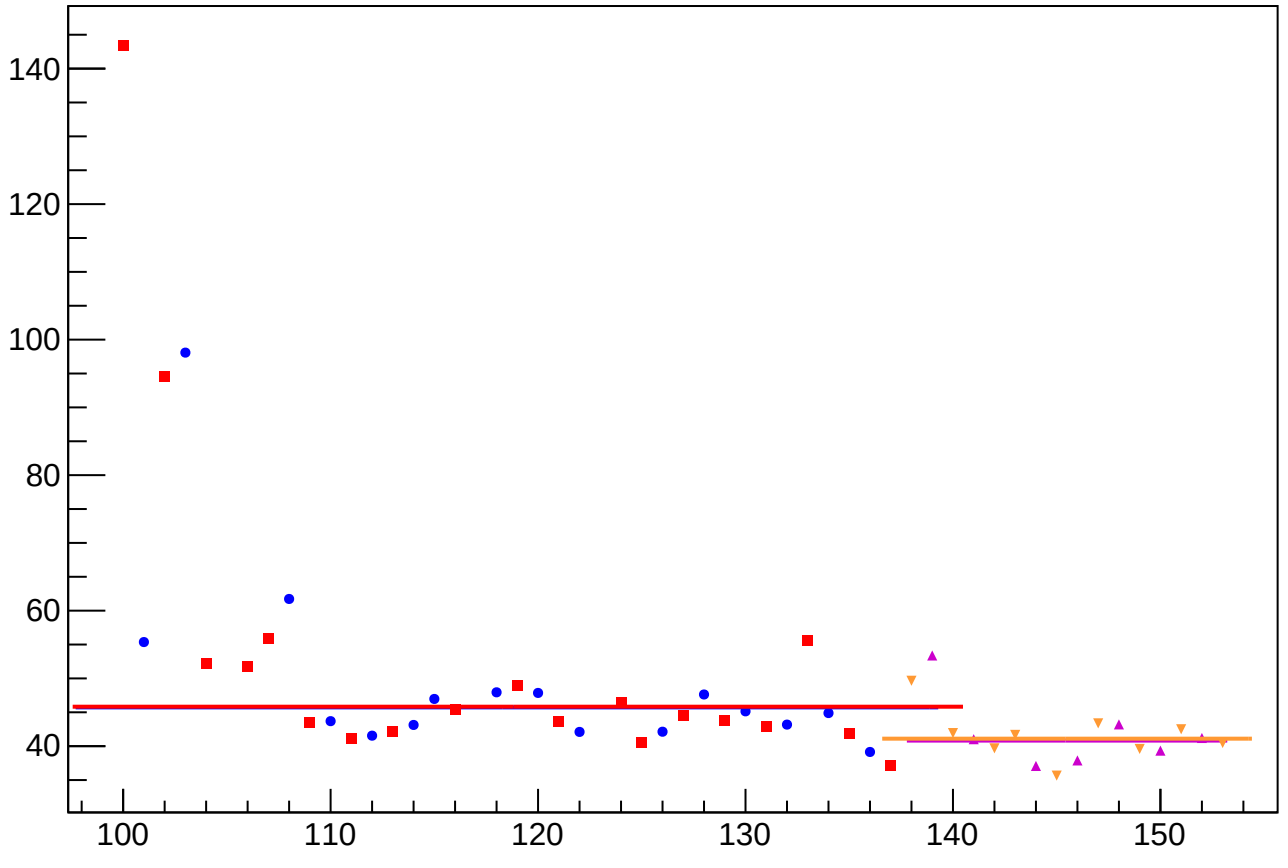
Left: -57.343+/-11.392 χ^2/NDF: 25.6/15

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -18.835+/-12.045 χ^2/NDF:26.3/22

Out: -22.978+/-11.613 χ^2/NDF:53.4/27

All: -20.982+/-8.360 χ^2/NDF: 79.7/50



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 41.108+/-0.011 χ^2/NDF:93516.4/8

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 40.824+/-0.012 χ^2/NDF:129980.4/6

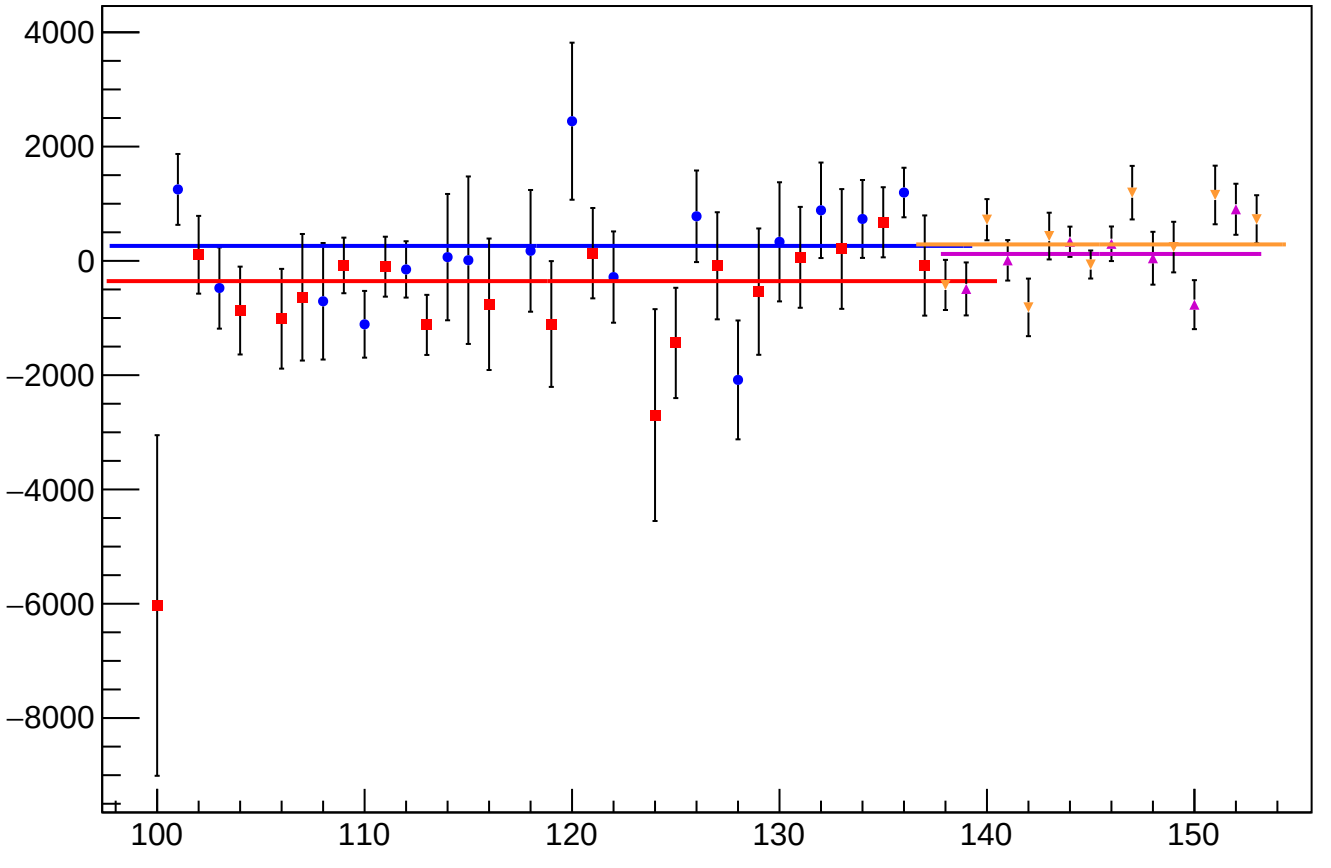
Left: 40.974+/-0.008 χ^2/NDF: 223805.3/15

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 43.155+/-0.009 χ^2/NDF:714080.5/22

Out: 43.224+/-0.008 χ^2/NDF:713639.8/27

All: 43.190+/-0.006 χ^2/NDF: 1427754.4/50



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 288.089+/-130.695 χ^2/NDF:18.7/8

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: 121.053+/-137.431 χ^2/NDF:10.2/6

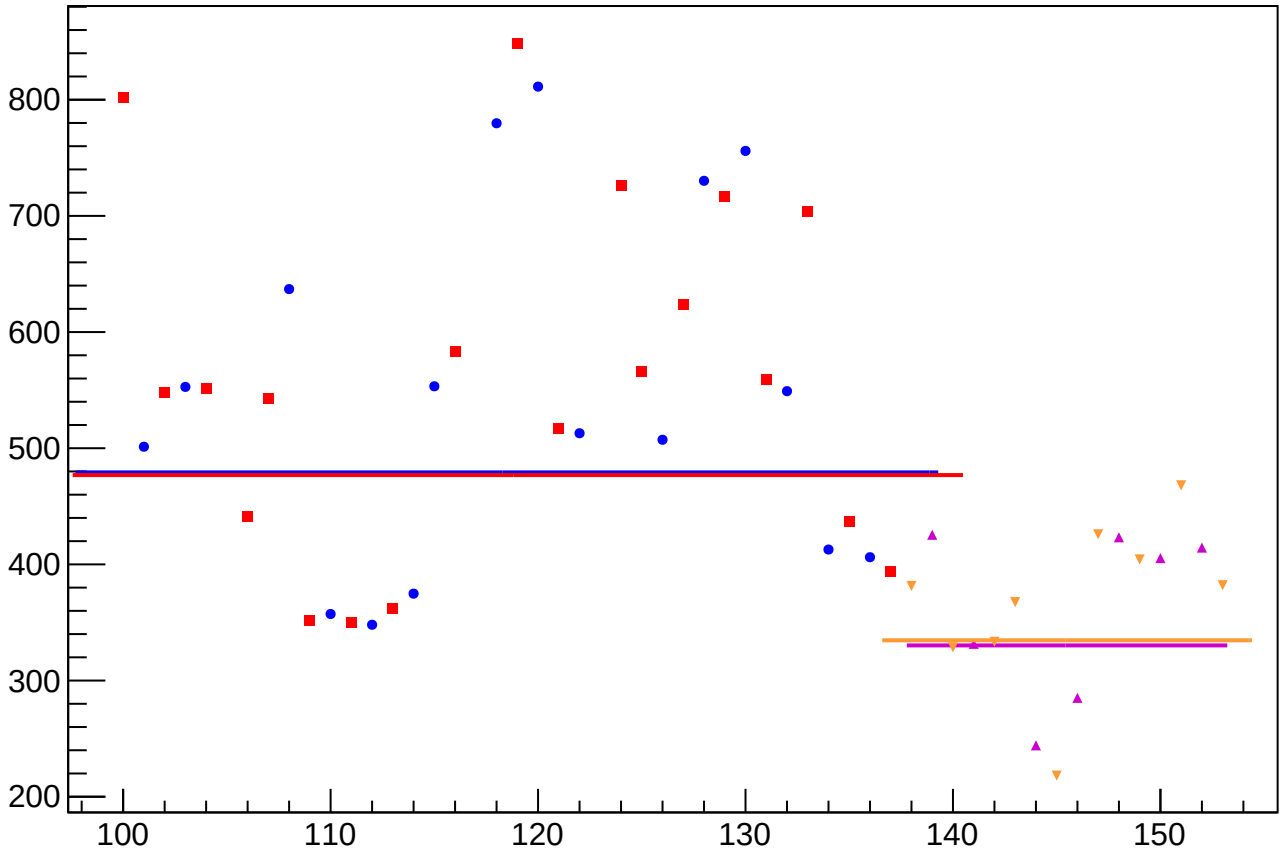
Left: 208.765+/-94.707 χ^2/NDF: 29.7/15

Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 171.083+/-110.366 χ^2/NDF:35.6/22

Out: 69.409+/-106.139 χ^2/NDF:42.1/27

All: 118.262+/-76.502 χ^2/NDF: 78.1/50



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 334.644+/-0.092 χ^2/NDF:772580.6/8

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 330.260+/-0.097 χ^2/NDF:553814.8/6

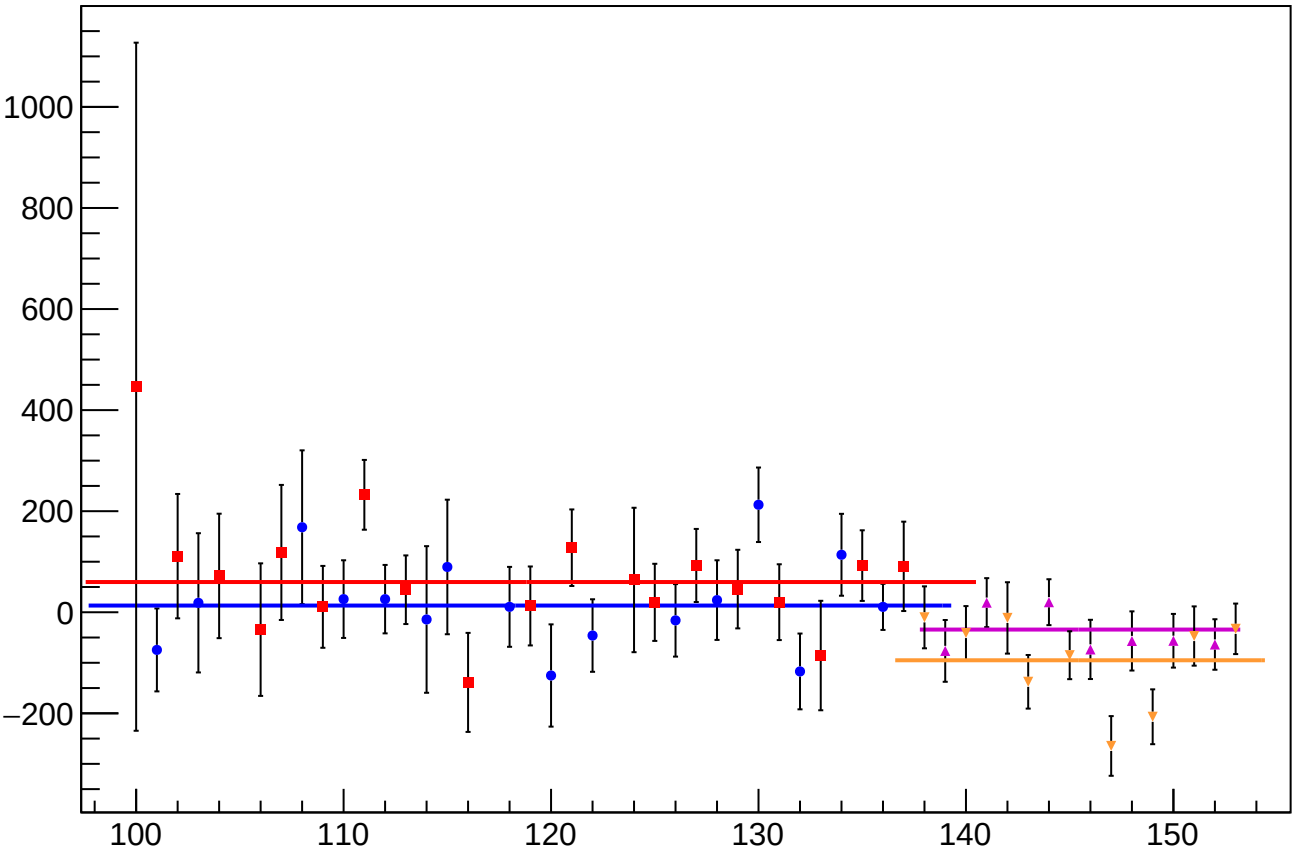
Left: 332.562+/-0.067 χ^2/NDF: 1327464.0/15

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 383.139+/-0.078 χ^2/NDF:2340406.9/22

Out: 383.075+/-0.075 χ^2/NDF:2582997.6/27

All: 383.106+/-0.054 χ^2/NDF: 4923404.9/50



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -95.026+/-18.455 χ^2/NDF:19.7/8

Right Out: 59.810+/-20.234 χ^2/NDF: 16.1/18

Left In: -34.256+/-19.936 χ^2/NDF:4.2/6

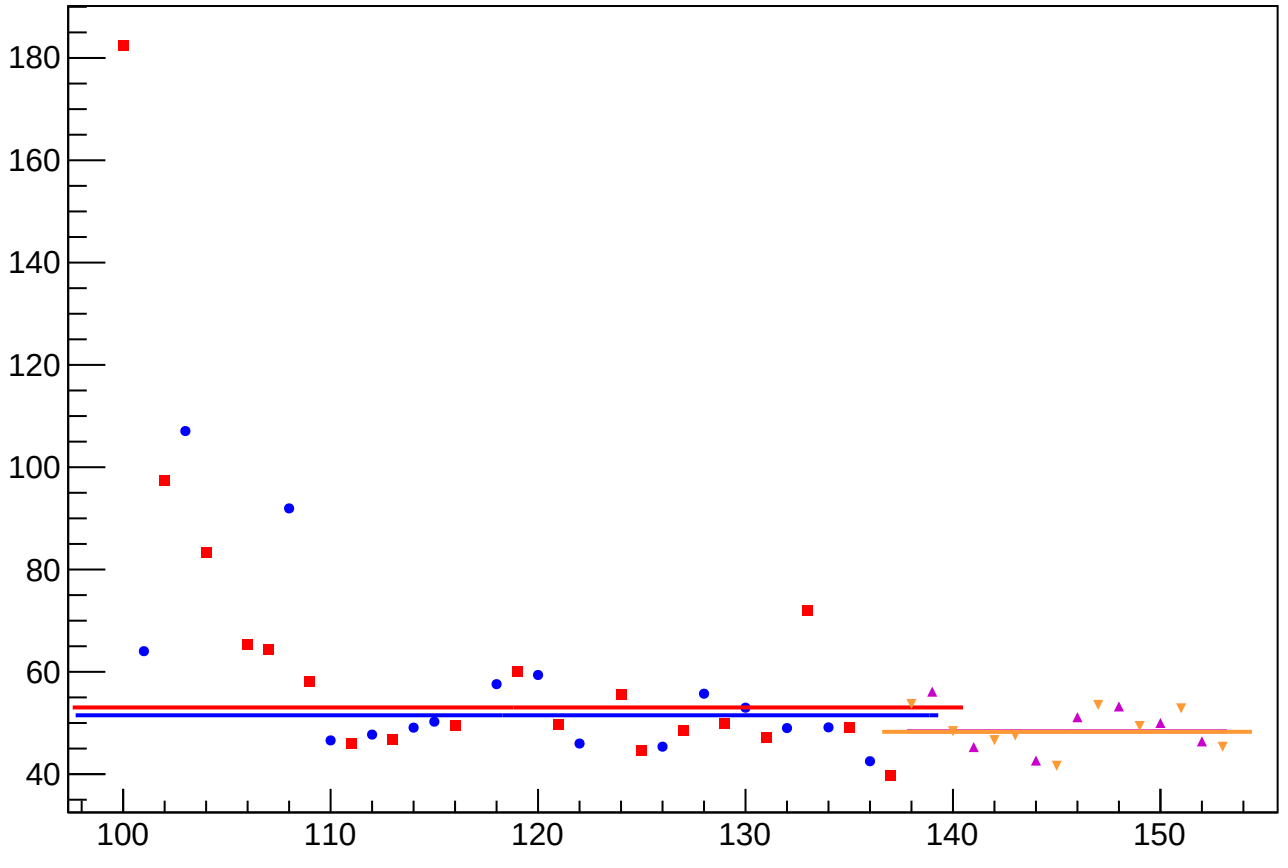
Left: -66.983+/-13.543 χ^2/NDF: 29.0/15

Right: 36.091+/-14.170 χ^2/NDF: 36.0/34

In: -10.391+/-14.066 χ^2/NDF:24.3/22

Out: -24.713+/-13.635 χ^2/NDF:67.8/27

All: -17.775+/-9.790 χ^2/NDF: 92.7/50



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 48.275+/-0.013 χ^2/NDF:92146.7/8

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

Left In: 48.375+/-0.014 χ^2/NDF:95173.0/6

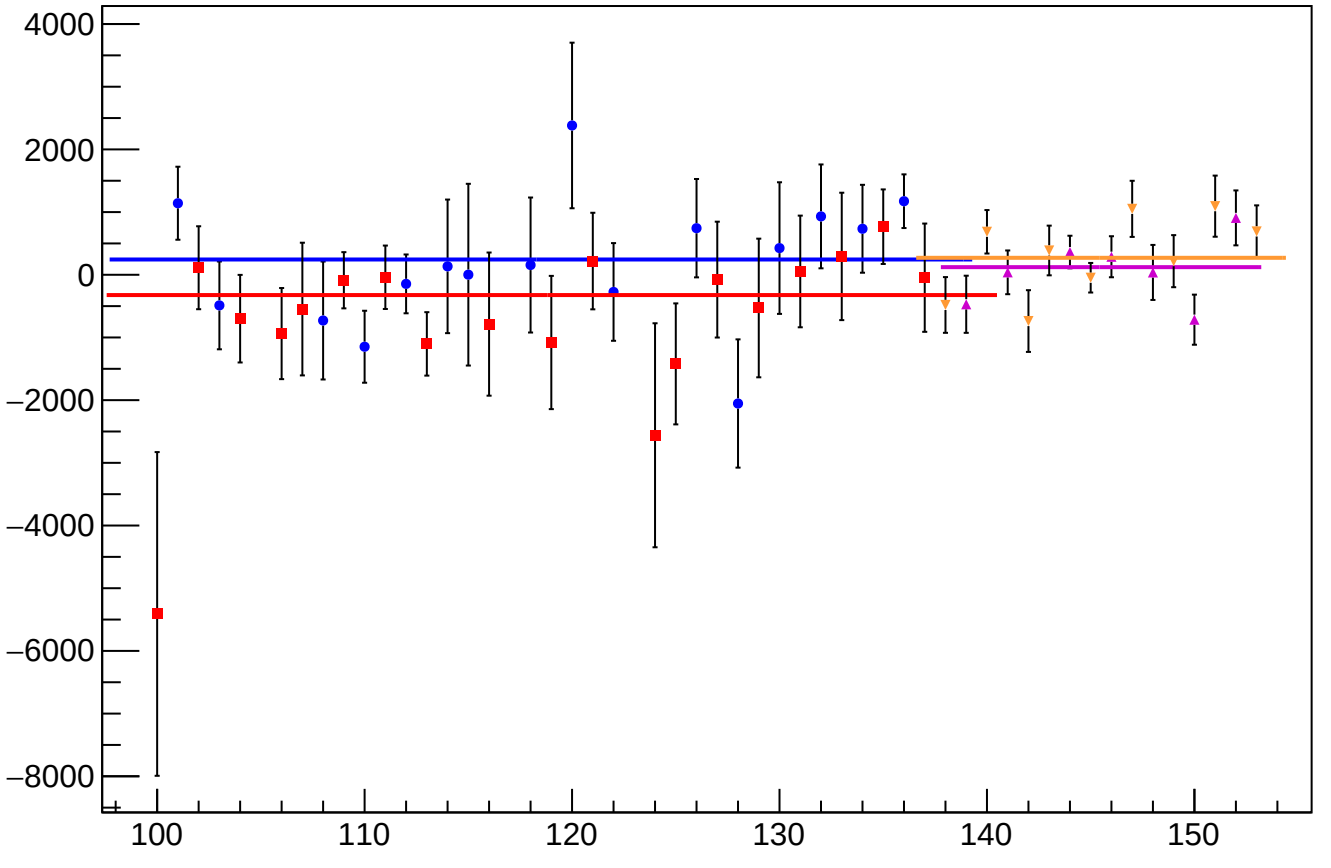
Left: 48.321+/-0.010 χ^2/NDF: 187347.0/15

Right: 52.257+/-0.010 χ^2/NDF: 1385808.8/34

In: 49.947+/-0.010 χ^2/NDF:786994.4/22

Out: 50.438+/-0.010 χ^2/NDF:865542.4/27

All: 50.200+/-0.007 χ^2/NDF: 1653789.6/50



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 270.777+/-126.364 χ^2/NDF:17.3/8

Right Out: -323.628+/-173.632 χ^2/NDF: 16.5/18

Left In: 121.677+/-136.284 χ^2/NDF:10.5/6

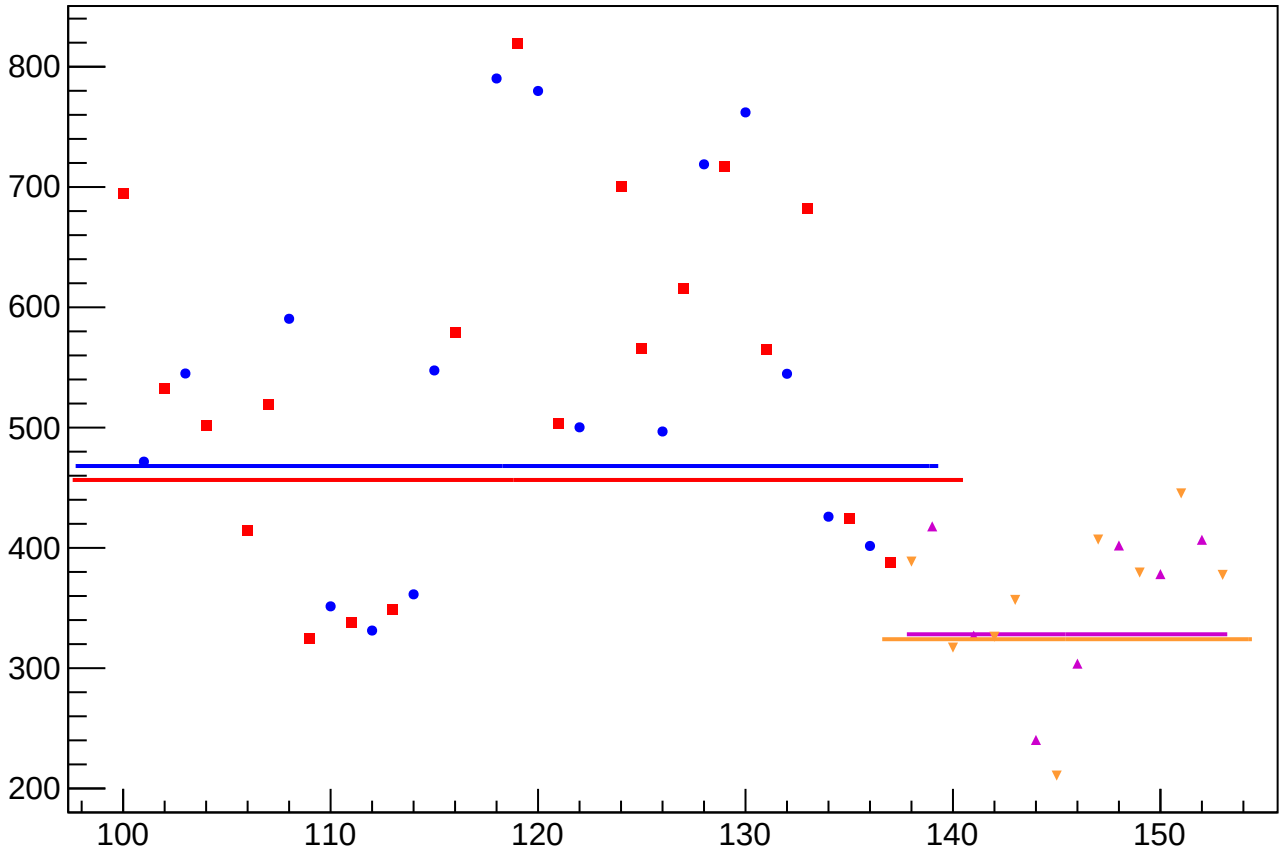
Left: 201.850+/-92.662 χ^2/NDF: 28.5/15

Right: -51.485+/-125.258 χ^2/NDF: 47.2/34

In: 165.912+/-108.845 χ^2/NDF:36.4/22

Out: 64.960+/-102.171 χ^2/NDF:41.5/27

All: 112.247+/-74.494 χ^2/NDF: 78.3/50



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 324.084+/-0.089 χ^2/NDF:779472.5/8

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

Left In: 328.186+/-0.096 χ^2/NDF:469433.9/6

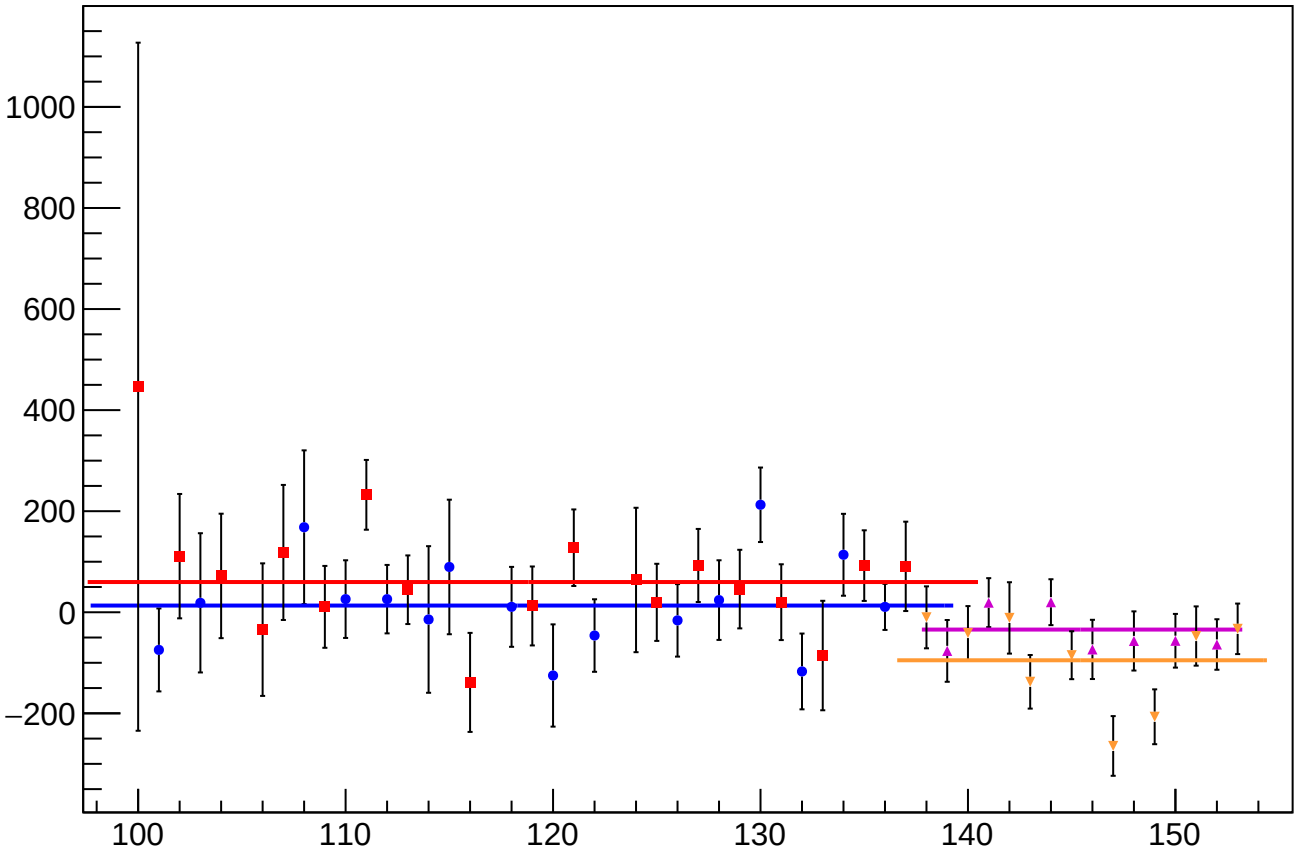
Left: 325.980+/-0.066 χ^2/NDF: 1249880.9/15

Right: 462.030+/-0.089 χ^2/NDF: 2069762.6/34

In: 378.842+/-0.077 χ^2/NDF:2215348.3/22

Out: 369.923+/-0.072 χ^2/NDF:2622110.2/27

All: 374.100+/-0.053 χ^2/NDF: 4844597.5/50



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -95.026+/-18.455 χ^2/NDF:19.7/8

Right Out: 59.811+/-20.234 χ^2/NDF: 16.1/18

Left In: -34.256+/-19.936 χ^2/NDF:4.2/6

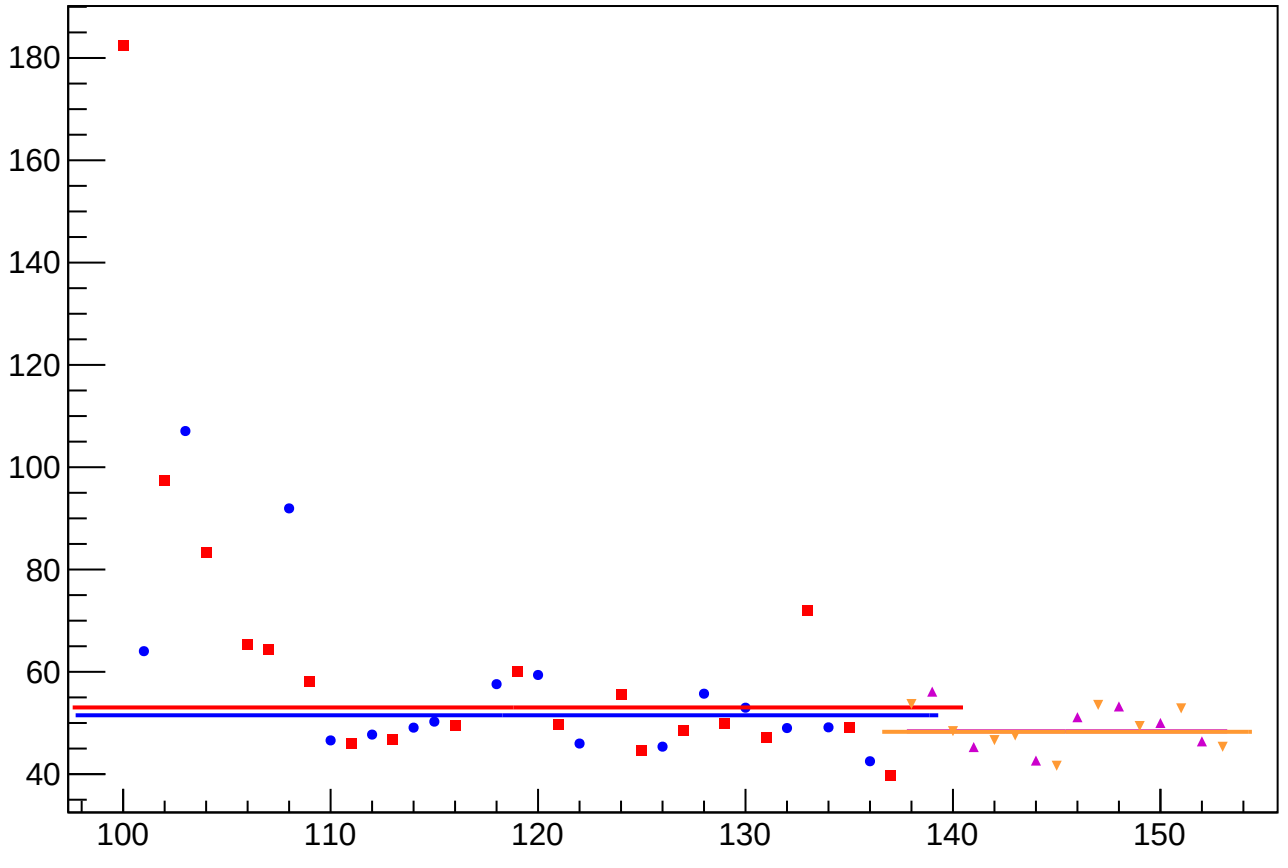
Left: -66.983+/-13.543 χ^2/NDF: 29.0/15

Right: 36.092+/-14.170 χ^2/NDF: 36.0/34

In: -10.391+/-14.066 χ^2/NDF:24.3/22

Out: -24.713+/-13.635 χ^2/NDF:67.8/27

All: -17.775+/-9.790 χ^2/NDF: 92.7/50



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 48.275+/-0.013 χ^2/NDF:92145.0/8

Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 48.375+/-0.014 χ^2/NDF:95171.3/6

Left: 48.321+/-0.010 χ^2/NDF: 187343.6/15

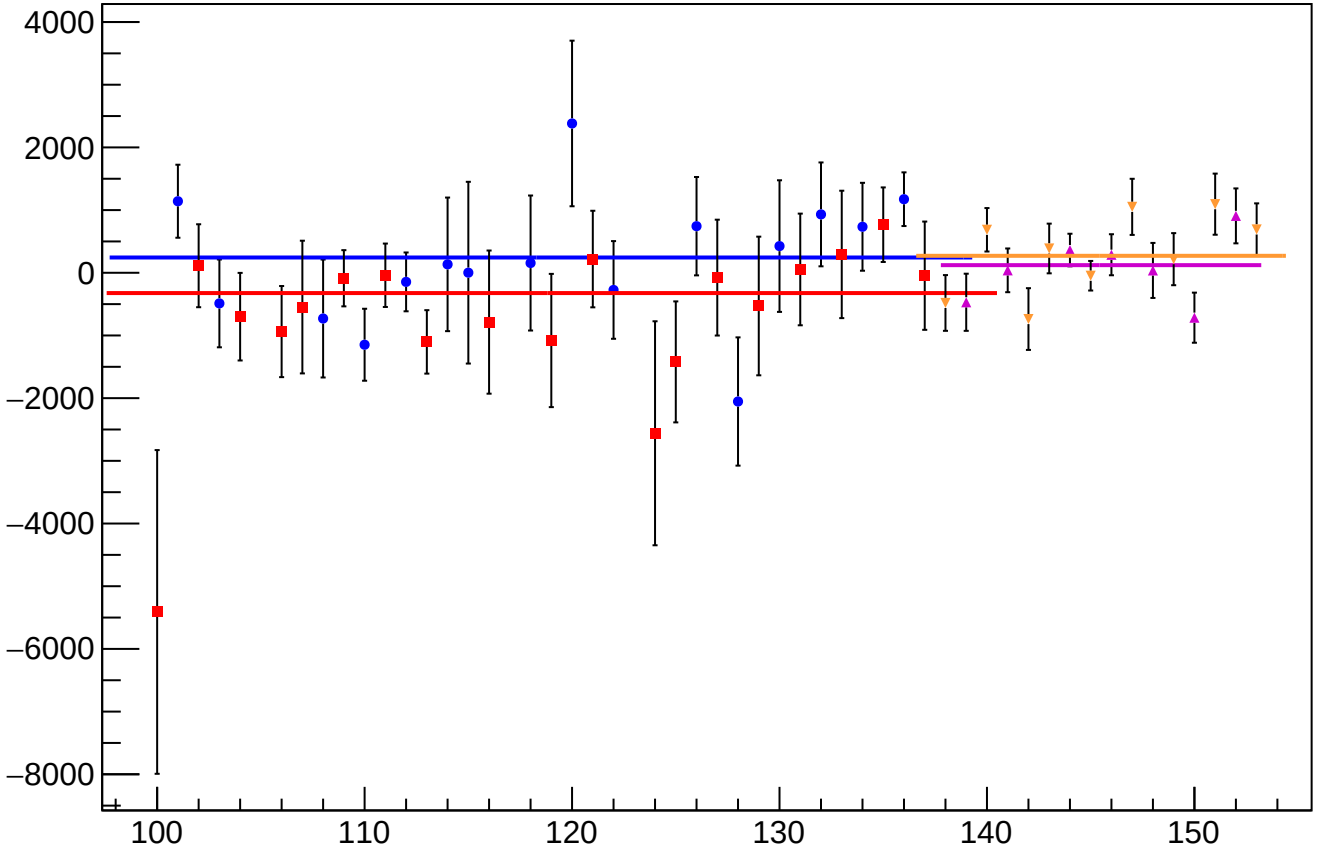
Right: 52.257+/-0.010 χ^2/NDF: 1385824.6/34

In: 49.947+/-0.010 χ^2/NDF:786997.5/22

Out: 50.438+/-0.010 χ^2/NDF:865549.2/27

All: 50.200+/-0.007 χ^2/NDF: 1653799.6/50

asym_sam_15_37_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 243.826+/-180.872 χ^2/NDF: 25.6/15

Left Out: 270.777+/-126.364 χ^2/NDF:17.3/8

Right Out: -323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: 121.678+/-136.284 χ^2/NDF:10.5/6

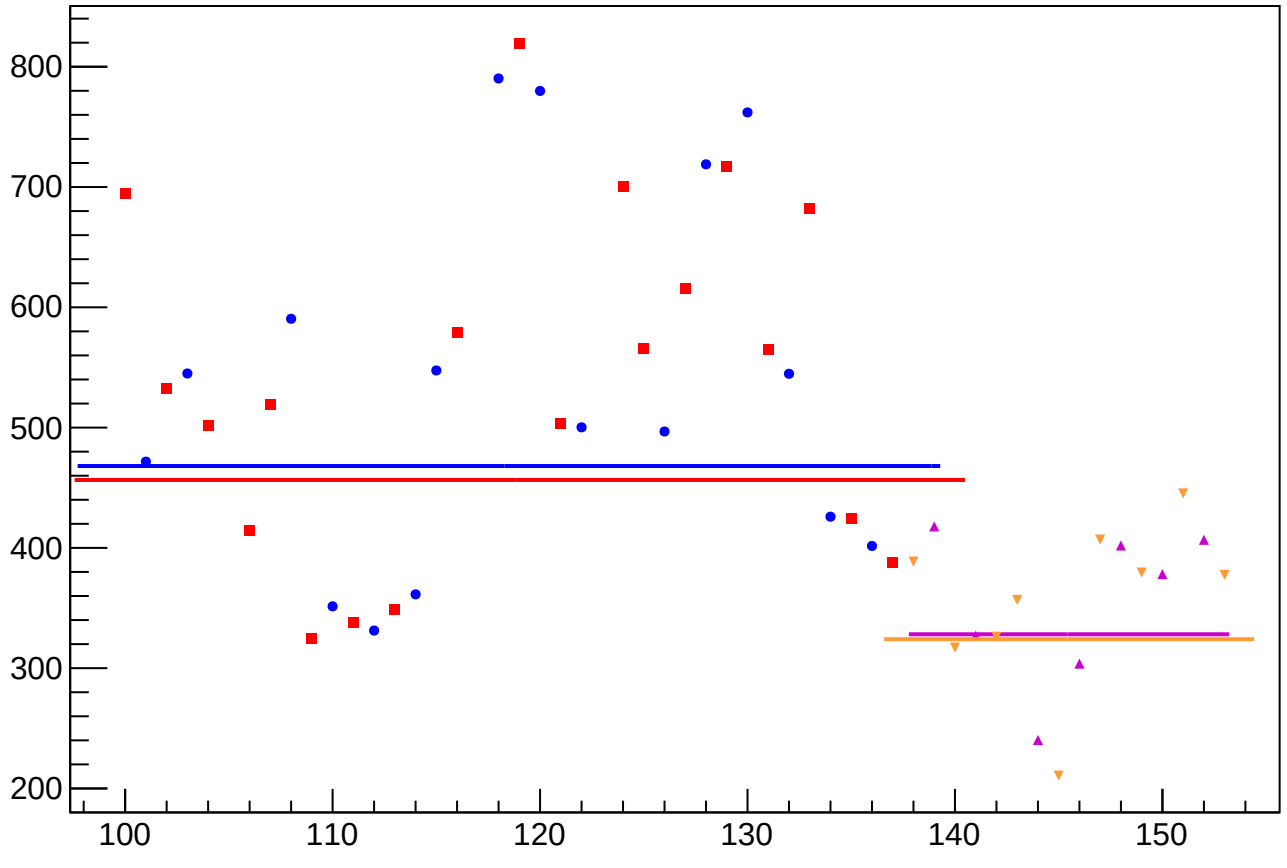
Left: 201.851+/-92.662 χ^2/NDF: 28.5/15

Right: -51.485+/-125.257 χ^2/NDF: 47.2/34

In: 165.913+/-108.845 χ^2/NDF:36.4/22

Out: 64.960+/-102.171 χ^2/NDF:41.5/27

All: 112.246+/-74.494 χ^2/NDF: 78.3/50



Right In: 468.065+/-0.128 χ^2/NDF: 982915.8/15

Left Out: 324.083+/-0.089 χ^2/NDF:779476.5/8

Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

Left In: 328.186+/-0.096 χ^2/NDF:469435.6/6

Left: 325.980+/-0.066 χ^2/NDF: 1249886.7/15

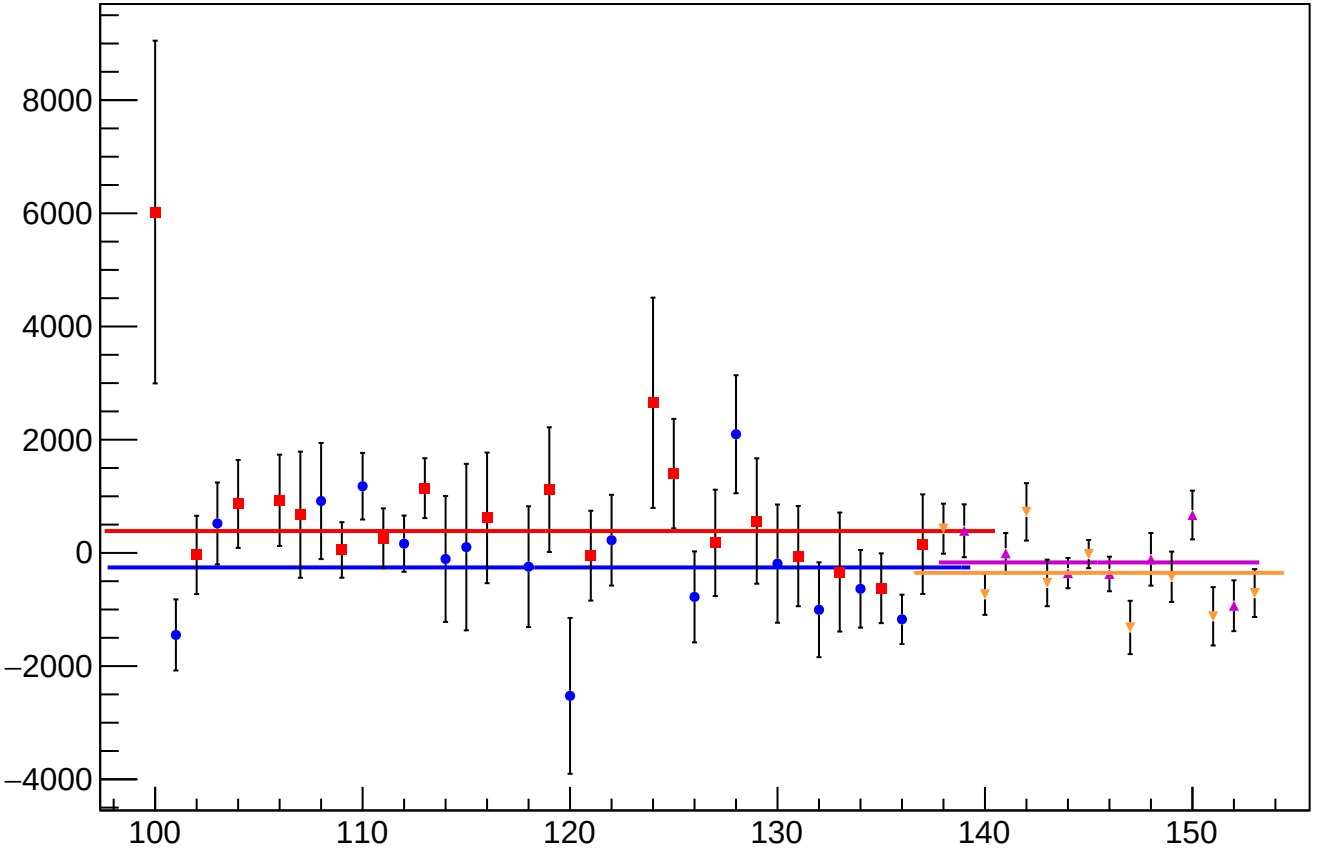
Right: 462.029+/-0.089 χ^2/NDF: 2069760.5/34

In: 378.842+/-0.077 χ^2/NDF:2215340.8/22

Out: 369.922+/-0.072 χ^2/NDF:2622104.3/27

All: 374.100+/-0.053 χ^2/NDF: 4844584.4/50

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -352.135+/-131.795 χ^2/NDF:17.8/8

Right Out: 386.449+/-182.363 χ^2/NDF: 14.2/18

Left In: -168.189+/-138.589 χ^2/NDF:9.3/6

Left: -264.781+/-95.505 χ^2/NDF: 28.0/15

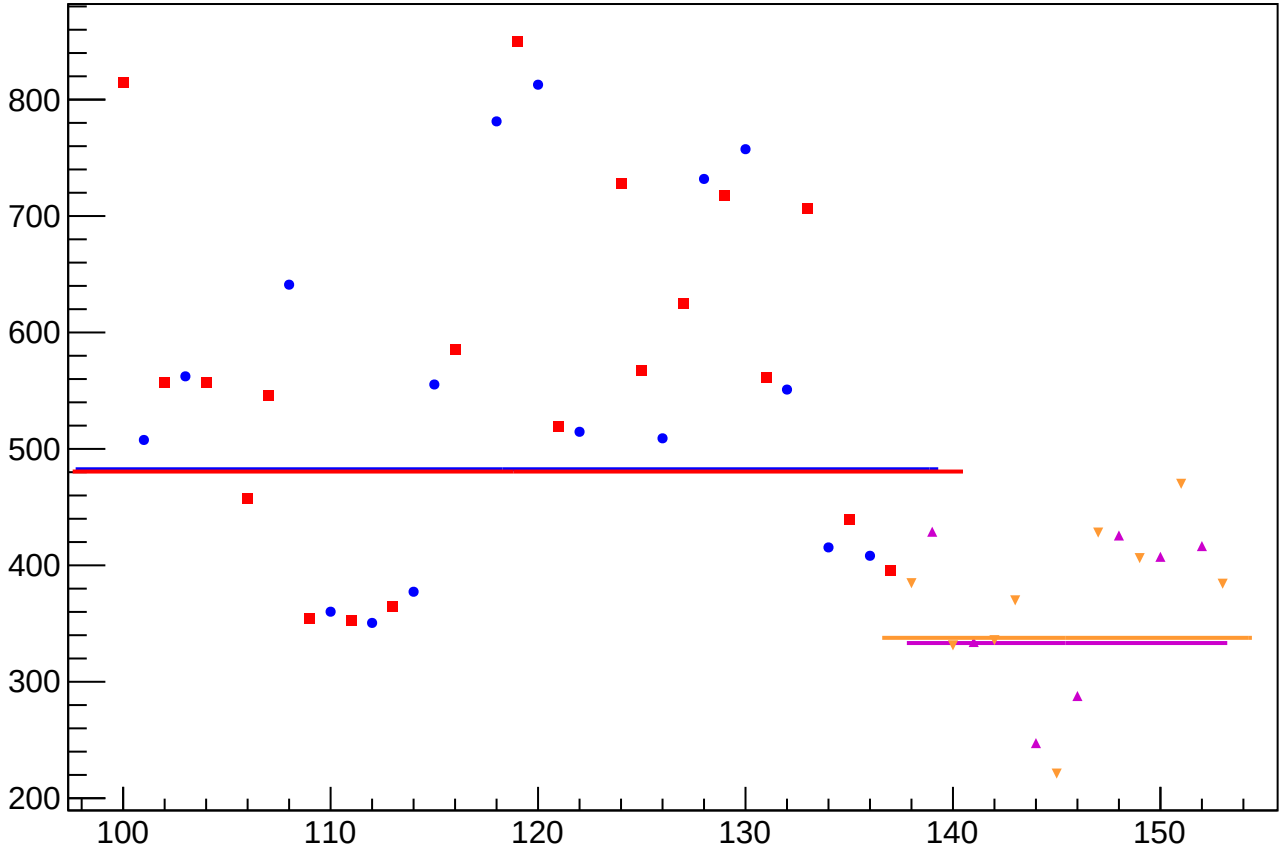
Right: 71.997+/-130.375 χ^2/NDF: 47.2/34

In: -199.703+/-111.230 χ^2/NDF:36.4/22

Out: -98.725+/-106.819 χ^2/NDF:42.8/27

All: -147.172+/-77.045 χ^2/NDF: 79.6/50

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 337.741+/-0.093 χ^2/NDF:751878.9/8

Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 333.272+/-0.098 χ^2/NDF:540911.7/6

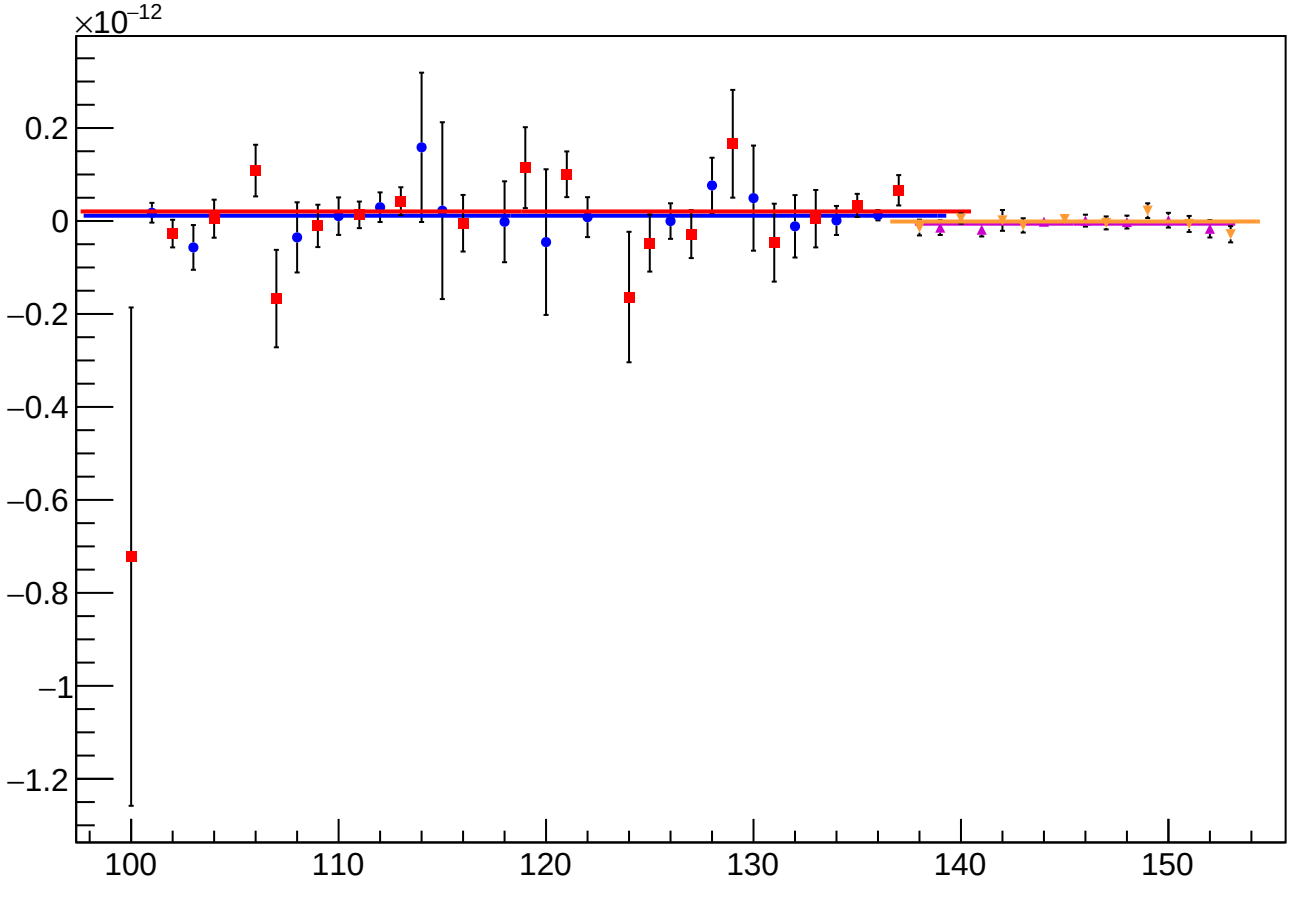
Left: 335.619+/-0.068 χ^2/NDF: 1293882.6/15

Right: 481.514+/-0.092 χ^2/NDF: 1940434.6/34

In: 386.379+/-0.079 χ^2/NDF:2312734.4/22

Out: 386.742+/-0.076 χ^2/NDF:2551468.3/27

All: 386.568+/-0.054 χ^2/NDF: 4864213.8/50



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.3/8

Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: -0.000+/-0.000 χ^2/NDF:2.1/6

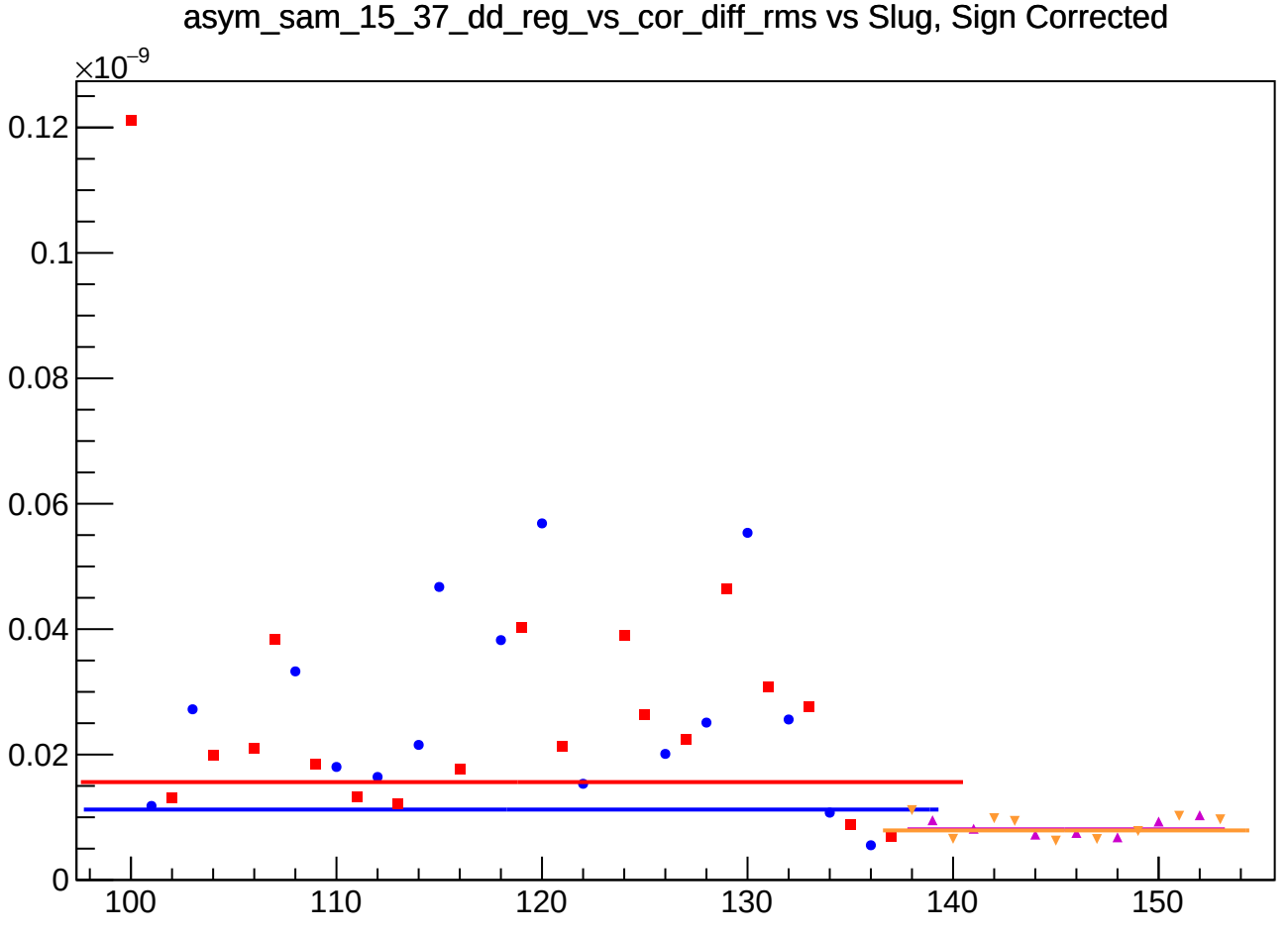
Left: -0.000+/-0.000 χ^2/NDF: 8.8/15

Right: 0.000+/-0.000 χ^2/NDF: 29.7/34

In: -0.000+/-0.000 χ^2/NDF:10.8/22

Out: 0.000+/-0.000 χ^2/NDF:33.7/27

All: 0.000+/-0.000 χ^2/NDF: 44.7/50



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:268492.5/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

Left In: 0.000+/-0.000 χ^2/NDF:90822.9/6

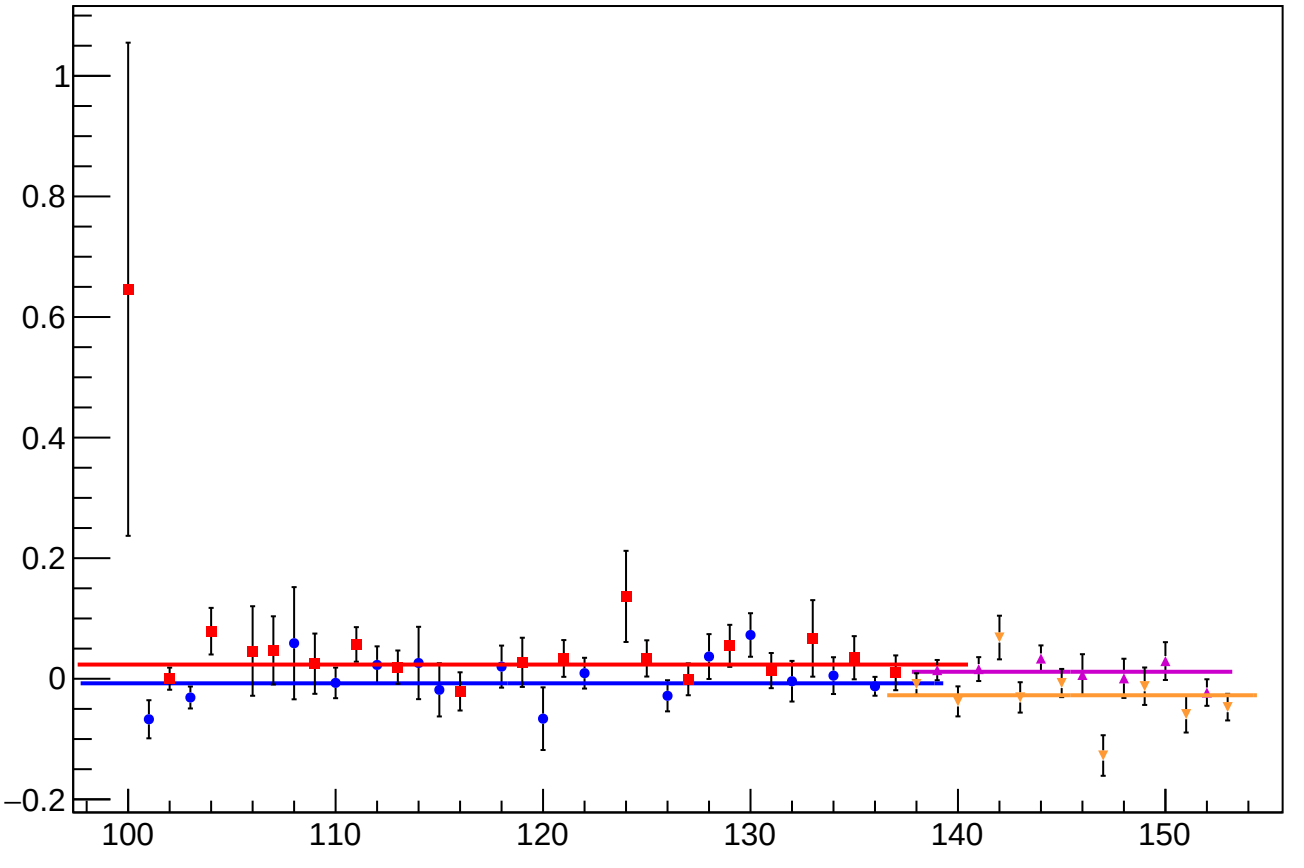
Left: 0.000+/-0.000 χ^2/NDF: 360529.0/15

Right: 0.000+/-0.000 χ^2/NDF: 3514192.9/34

In: 0.000+/-0.000 χ^2/NDF:2409725.1/22

Out: 0.000+/-0.000 χ^2/NDF:2380436.8/27

All: 0.000+/-0.000 χ^2/NDF: 4793017.5/50



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.027+/-0.008 χ^2/NDF:19.9/8

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.012+/-0.009 χ^2/NDF:4.0/6

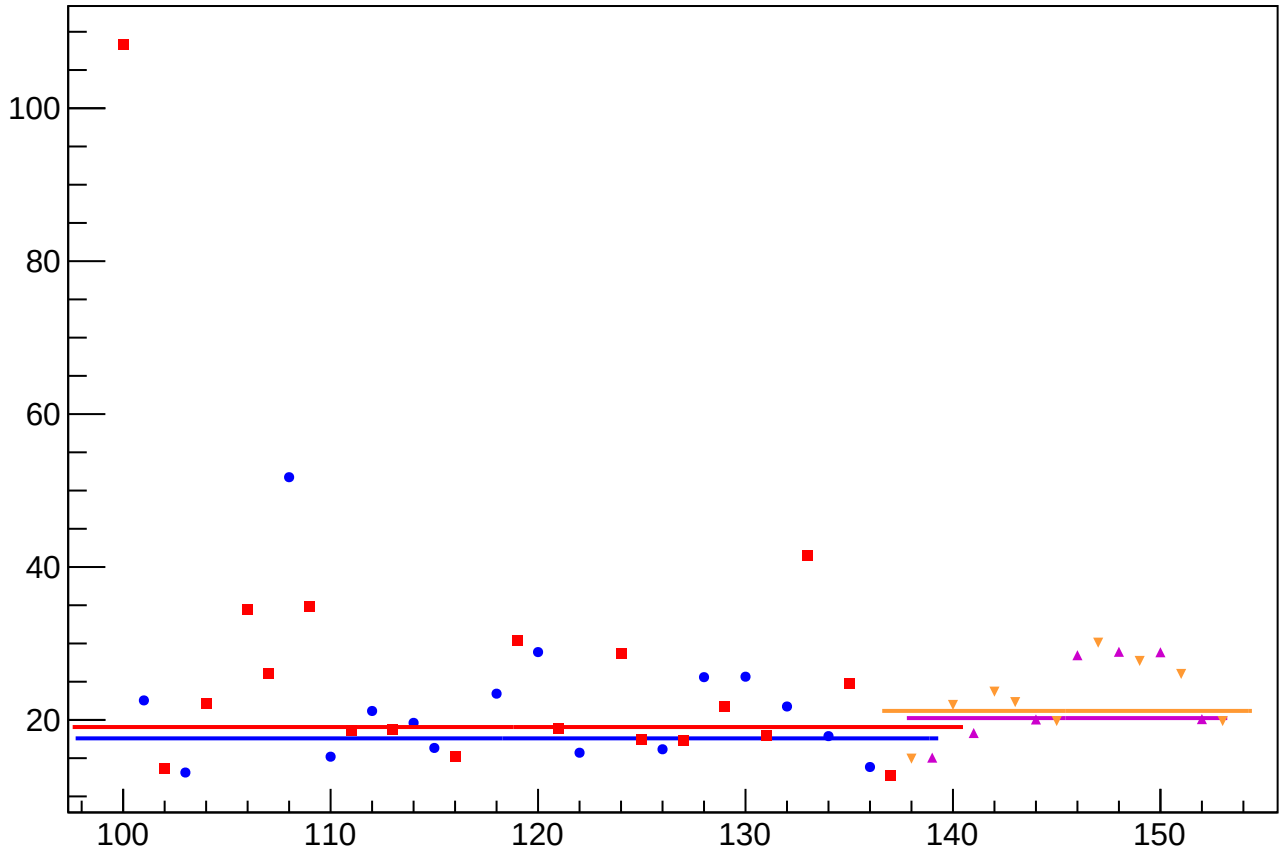
Left: -0.009+/-0.006 χ^2/NDF: 34.2/15

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.000+/-0.006 χ^2/NDF:23.6/22

Out: 0.000+/-0.006 χ^2/NDF:54.3/27

All: 0.000+/-0.004 χ^2/NDF: 77.9/50



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 21.182+/-0.006 χ^2/NDF:554340.3/8

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 20.241+/-0.006 χ^2/NDF:616654.7/6

Left: 20.727+/-0.004 χ^2/NDF: 1182957.7/15

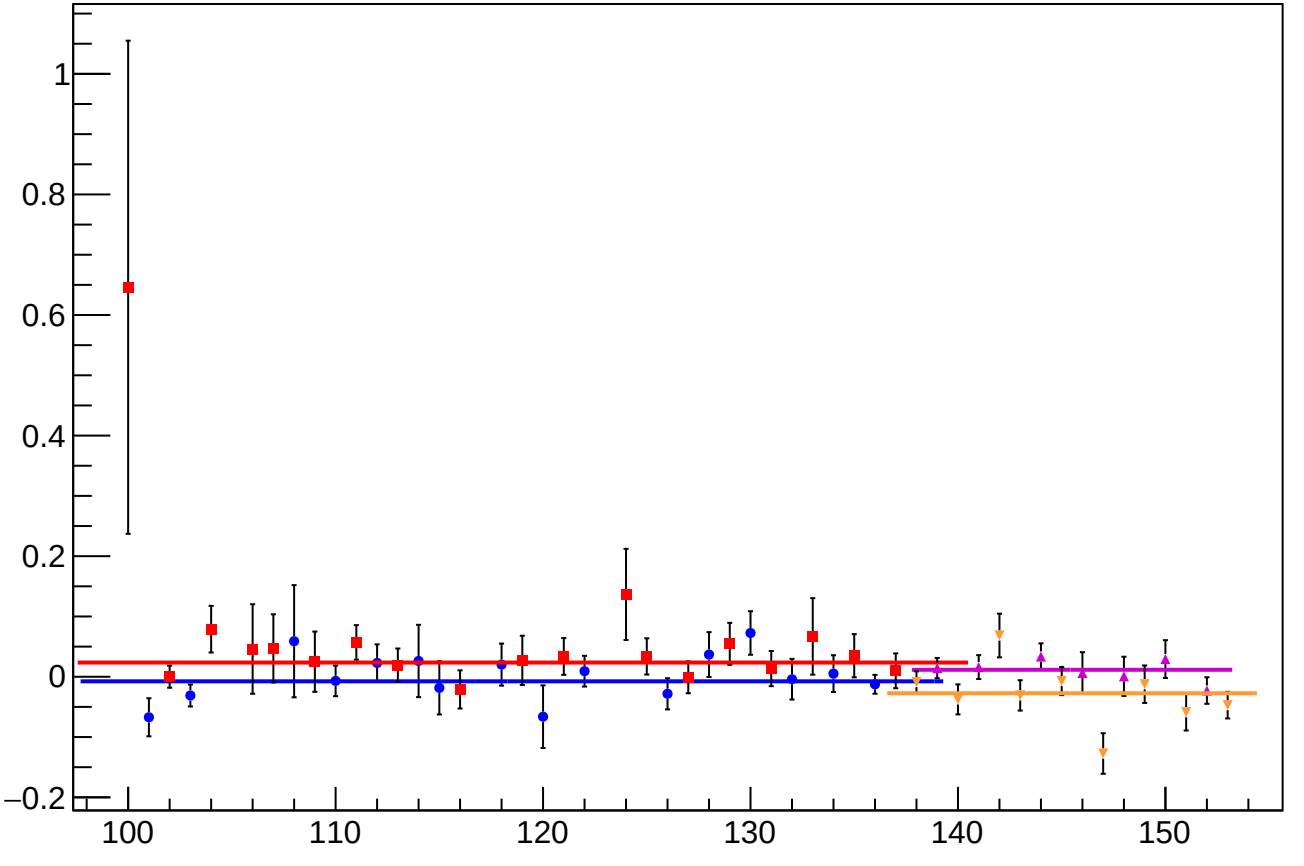
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 18.662+/-0.004 χ^2/NDF:1719312.4/22

Out: 20.034+/-0.004 χ^2/NDF:1870031.8/27

All: 19.329+/-0.003 χ^2/NDF: 3648630.1/50

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: -0.027+/-0.008 χ^2/NDF:19.9/8

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.012+/-0.009 χ^2/NDF:4.0/6

Left: -0.009+/-0.006 χ^2/NDF: 34.2/15

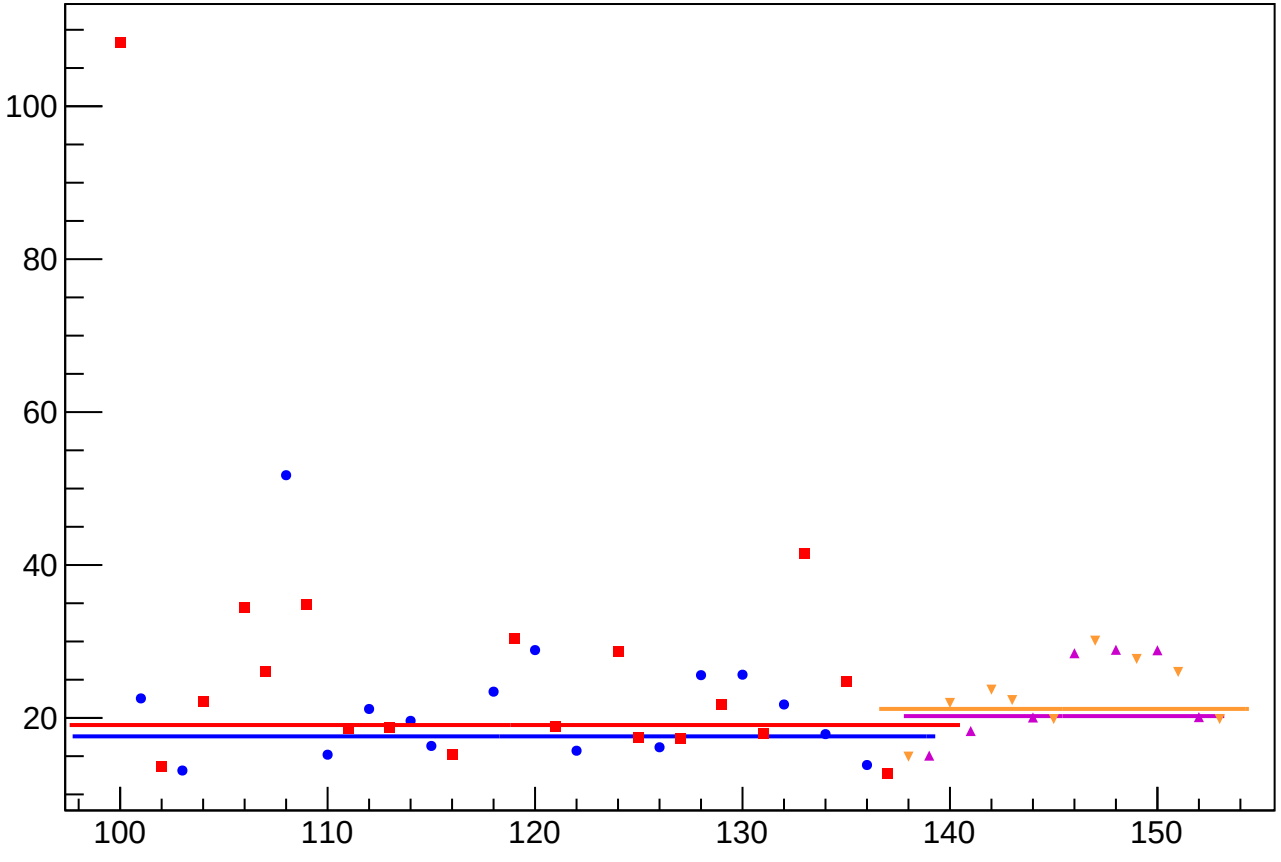
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.000+/-0.006 χ^2/NDF:23.6/22

Out: 0.000+/-0.006 χ^2/NDF:54.3/27

All: 0.000+/-0.004 χ^2/NDF: 77.9/50

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: 21.182+/-0.006 χ^2/NDF:554340.3/8

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 20.241+/-0.006 χ^2/NDF:616654.7/6

Left: 20.727+/-0.004 χ^2/NDF: 1182957.7/15

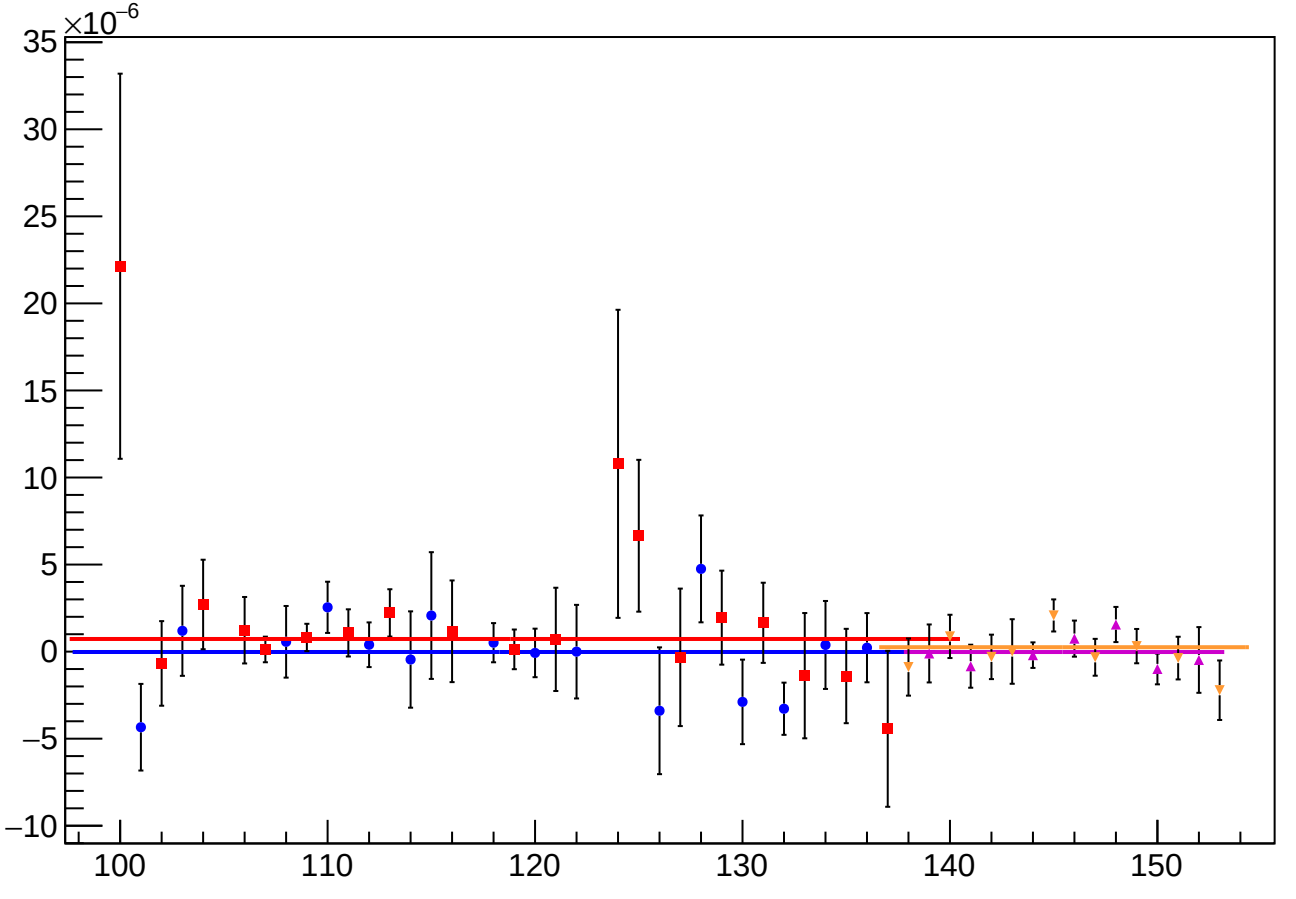
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 18.662+/-0.004 χ^2/NDF:1719312.4/22

Out: 20.034+/-0.004 χ^2/NDF:1870031.8/27

All: 19.329+/-0.003 χ^2/NDF: 3648630.1/50

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.5/8

Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: -0.000+/-0.000 χ^2/NDF:4.8/6

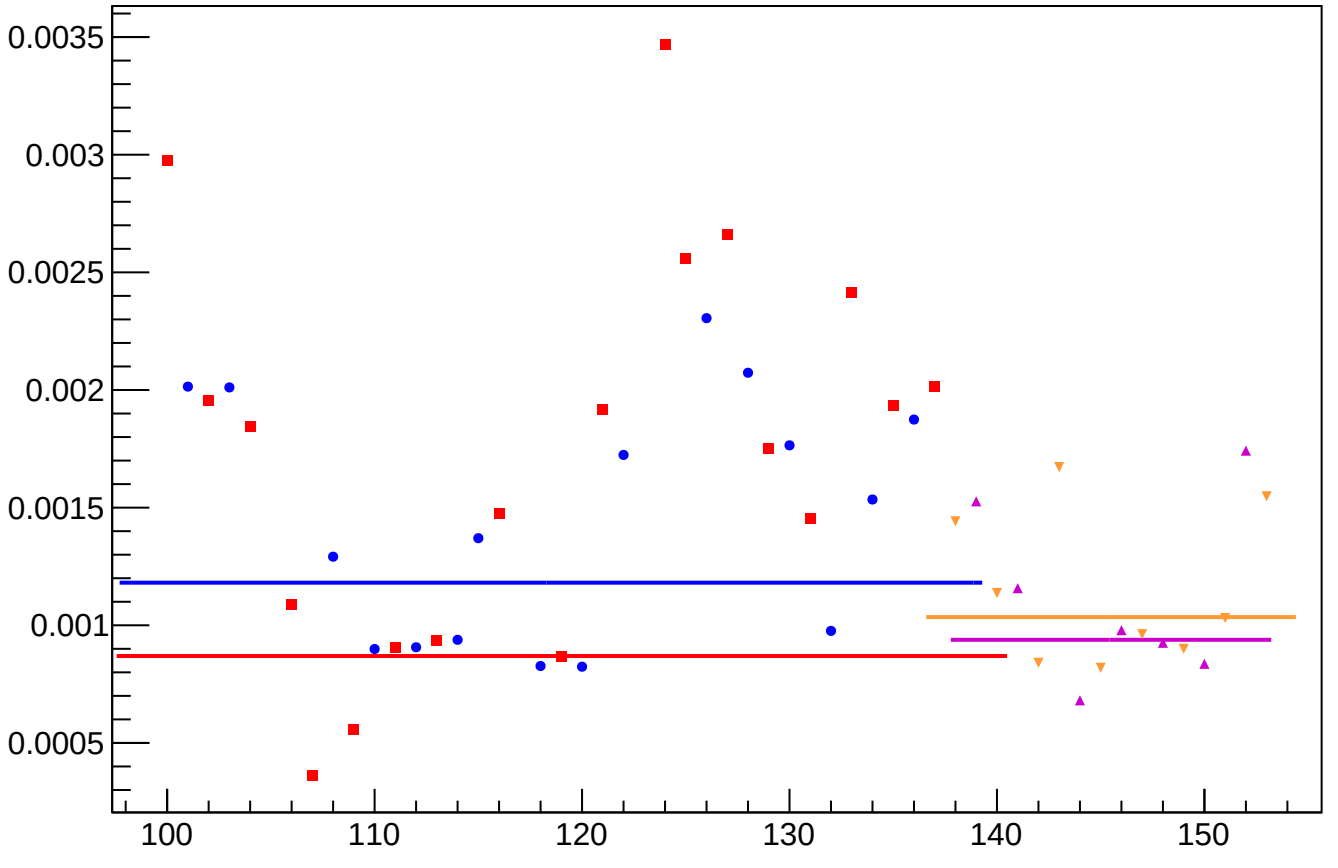
Left: 0.000+/-0.000 χ^2/NDF: 12.5/15

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:21.3/22

Out: 0.000+/-0.000 χ^2/NDF:21.1/27

All: 0.000+/-0.000 χ^2/NDF: 44.0/50



Right In: 0.001+/-0.000 χ^2/NDF: 1828304.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:756013.0/8

Right Out: 0.001+/-0.000 χ^2/NDF: 4435351.6/18

Left In: 0.001+/-0.000 χ^2/NDF:951824.3/6

Left: 0.001+/-0.000 χ^2/NDF: 1765384.4/15

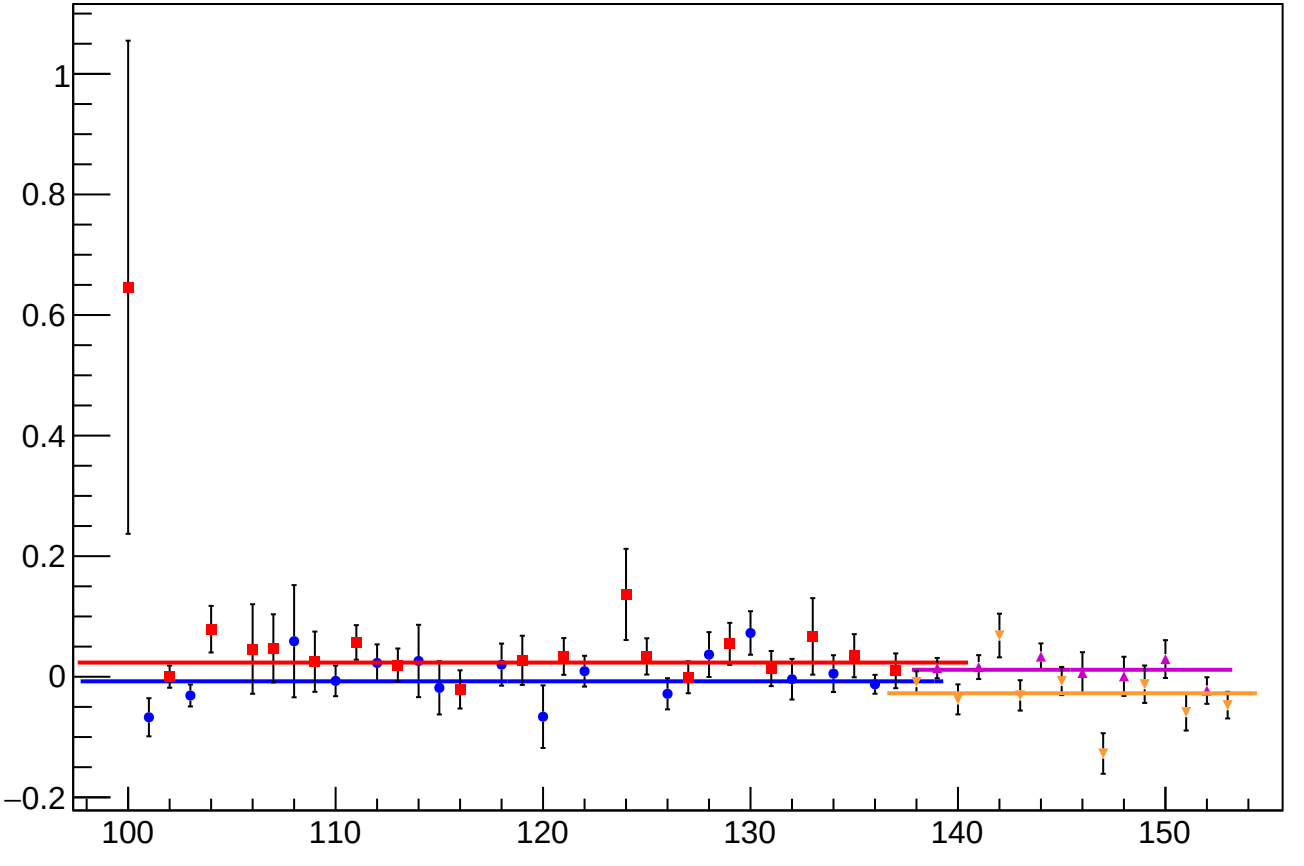
Right: 0.001+/-0.000 χ^2/NDF: 6790405.1/34

In: 0.001+/-0.000 χ^2/NDF:3089615.4/22

Out: 0.001+/-0.000 χ^2/NDF:5367009.7/27

All: 0.001+/-0.000 χ^2/NDF: 8556360.8/50

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: -0.027+/-0.008 χ^2/NDF:19.9/8

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.012+/-0.009 χ^2/NDF:4.0/6

Left: -0.009+/-0.006 χ^2/NDF: 34.2/15

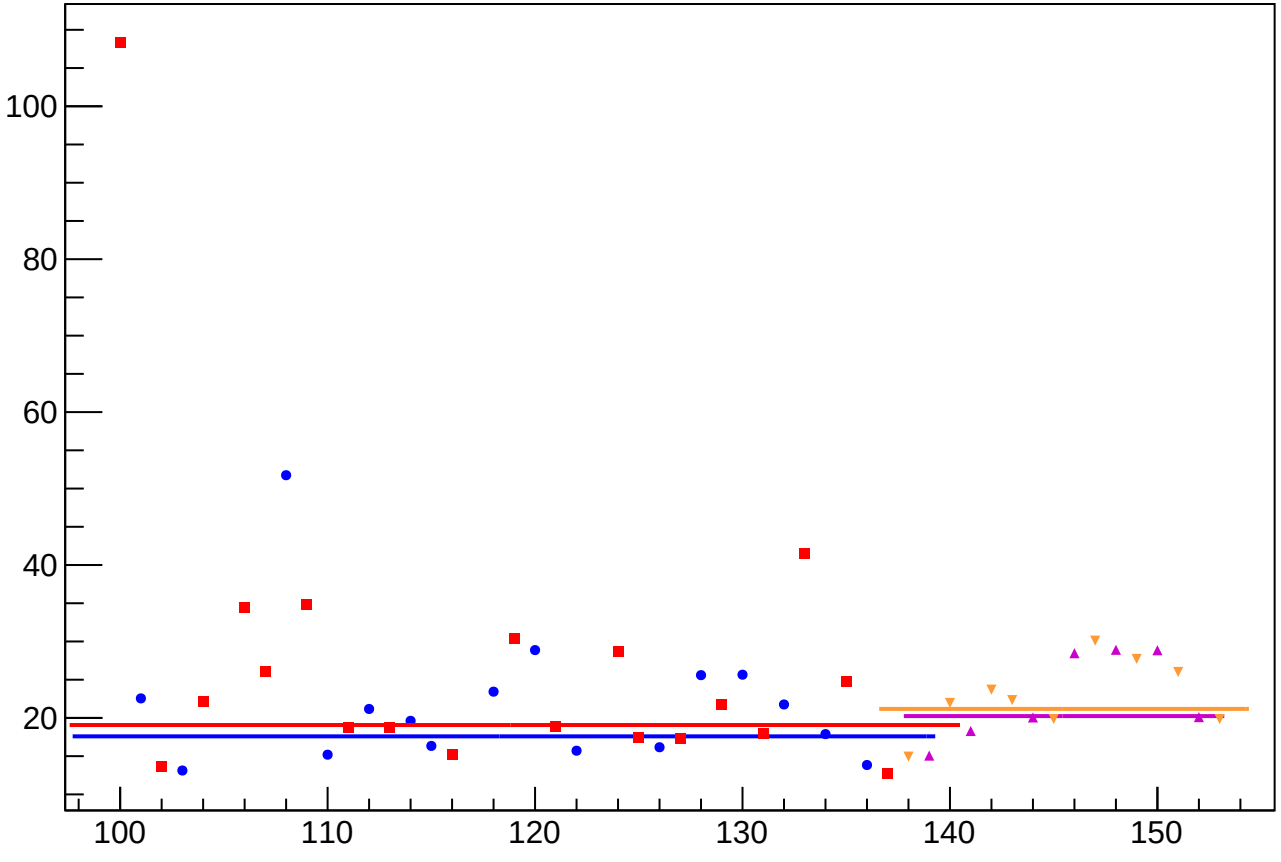
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.000+/-0.006 χ^2/NDF:23.6/22

Out: 0.000+/-0.006 χ^2/NDF:54.3/27

All: 0.000+/-0.004 χ^2/NDF: 77.9/50

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: 21.182+/-0.006 χ^2/NDF:554322.9/8

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 20.241+/-0.006 χ^2/NDF:616614.4/6

Left: 20.727+/-0.004 χ^2/NDF: 1182898.2/15

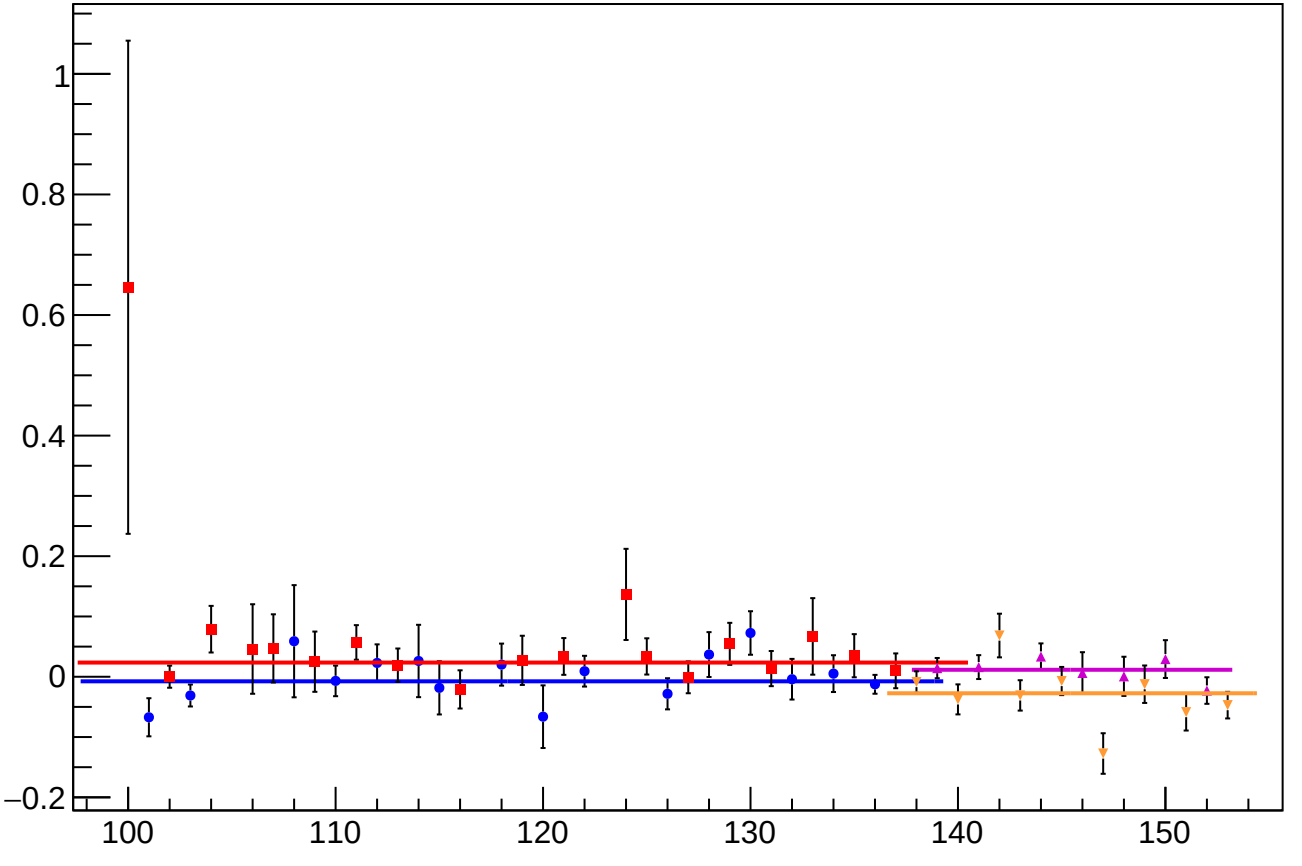
Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 18.662+/-0.004 χ^2/NDF:1719328.0/22

Out: 20.034+/-0.004 χ^2/NDF:1869926.1/27

All: 19.330+/-0.003 χ^2/NDF: 3648552.6/50

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: -0.027+/-0.008 χ^2/NDF:19.9/8

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: 0.012+/-0.009 χ^2/NDF:4.0/6

Left: -0.009+/-0.006 χ^2/NDF: 34.2/15

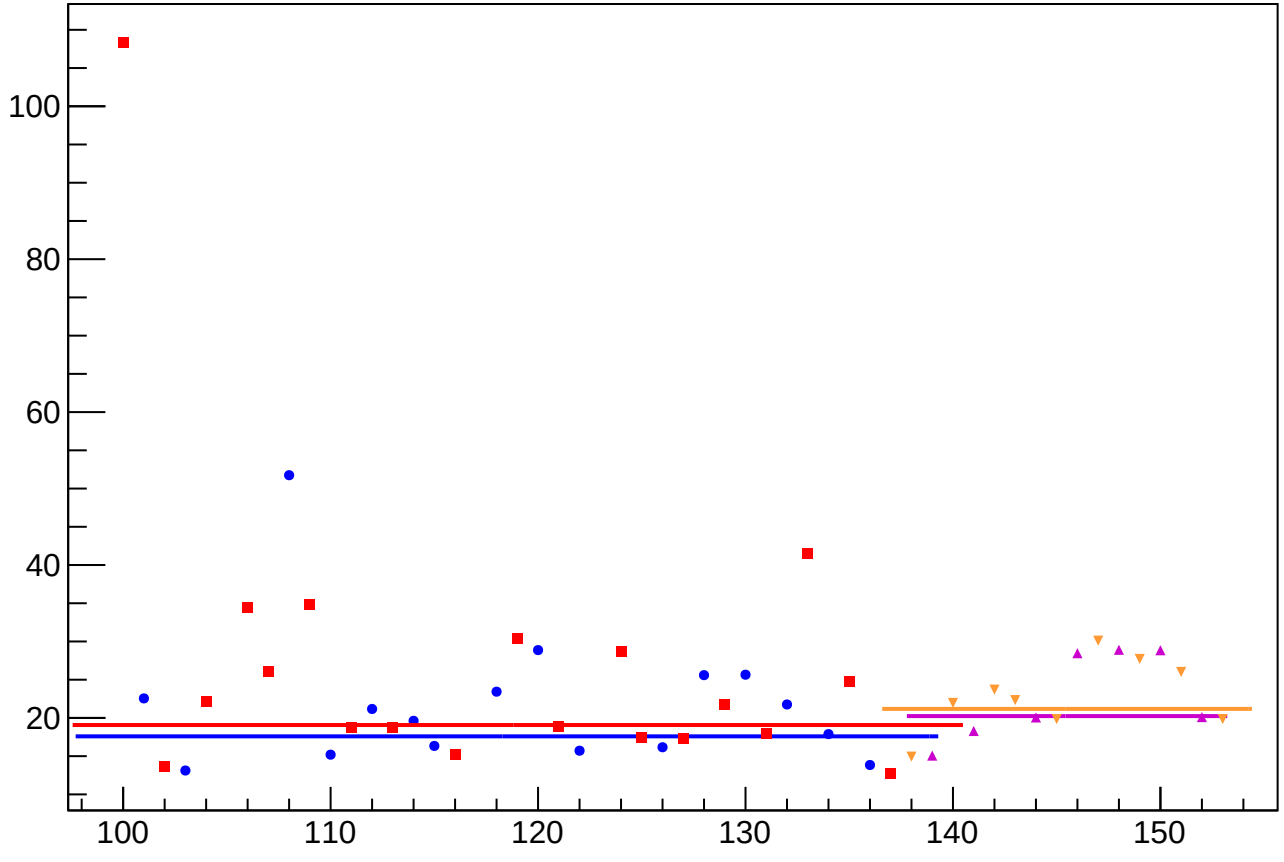
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: 0.000+/-0.006 χ^2/NDF:23.6/22

Out: 0.000+/-0.006 χ^2/NDF:54.3/27

All: 0.000+/-0.004 χ^2/NDF: 77.9/50

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: 21.182+/-0.006 χ^2/NDF:554322.9/8

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 20.241+/-0.006 χ^2/NDF:616614.4/6

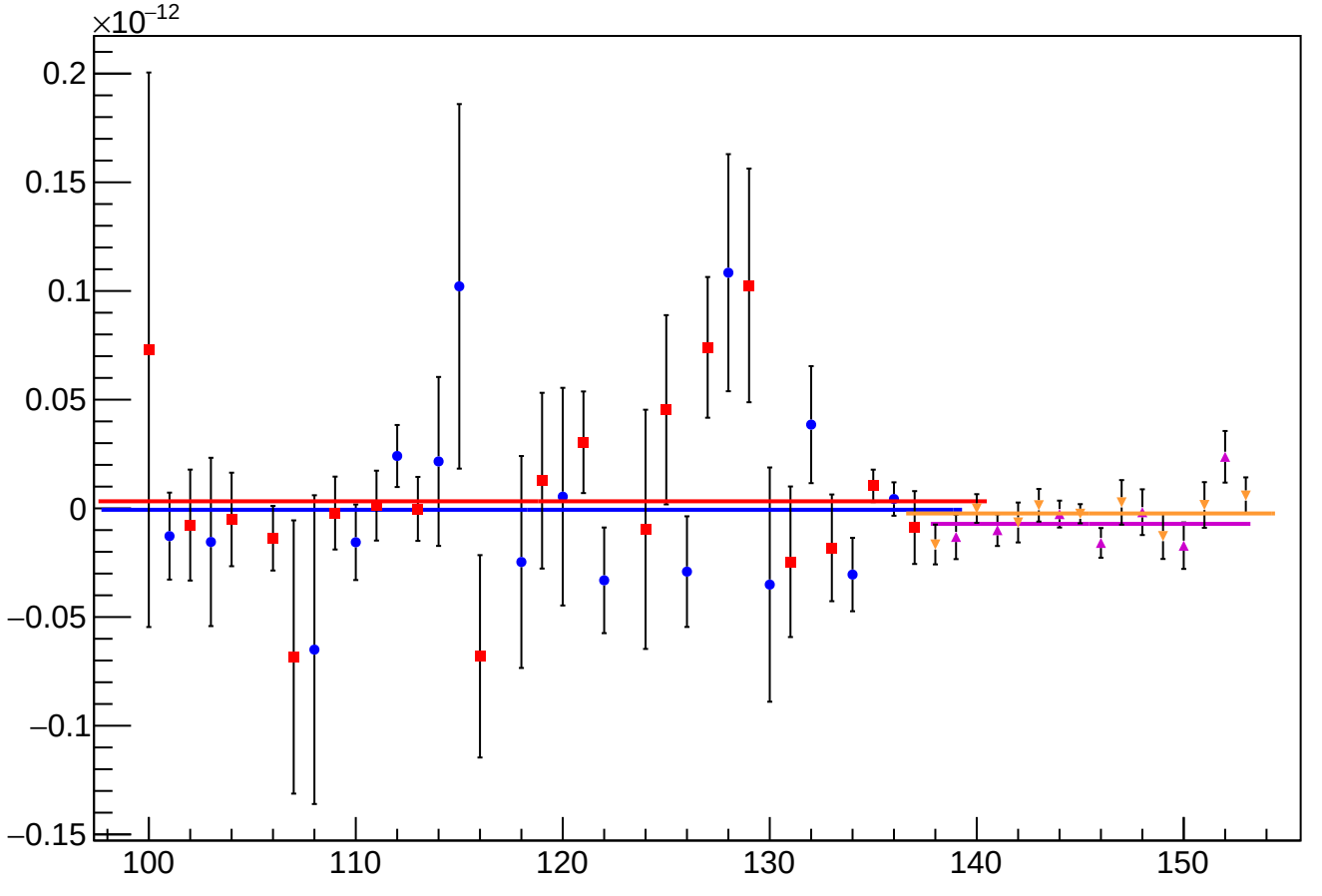
Left: 20.727+/-0.004 χ^2/NDF: 1182898.2/15

Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 18.662+/-0.004 χ^2/NDF:1719328.0/22

Out: 20.034+/-0.004 χ^2/NDF:1869926.1/27

All: 19.330+/-0.003 χ^2/NDF: 3648552.6/50



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.3/8

Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: -0.000+/-0.000 χ^2/NDF:10.6/6

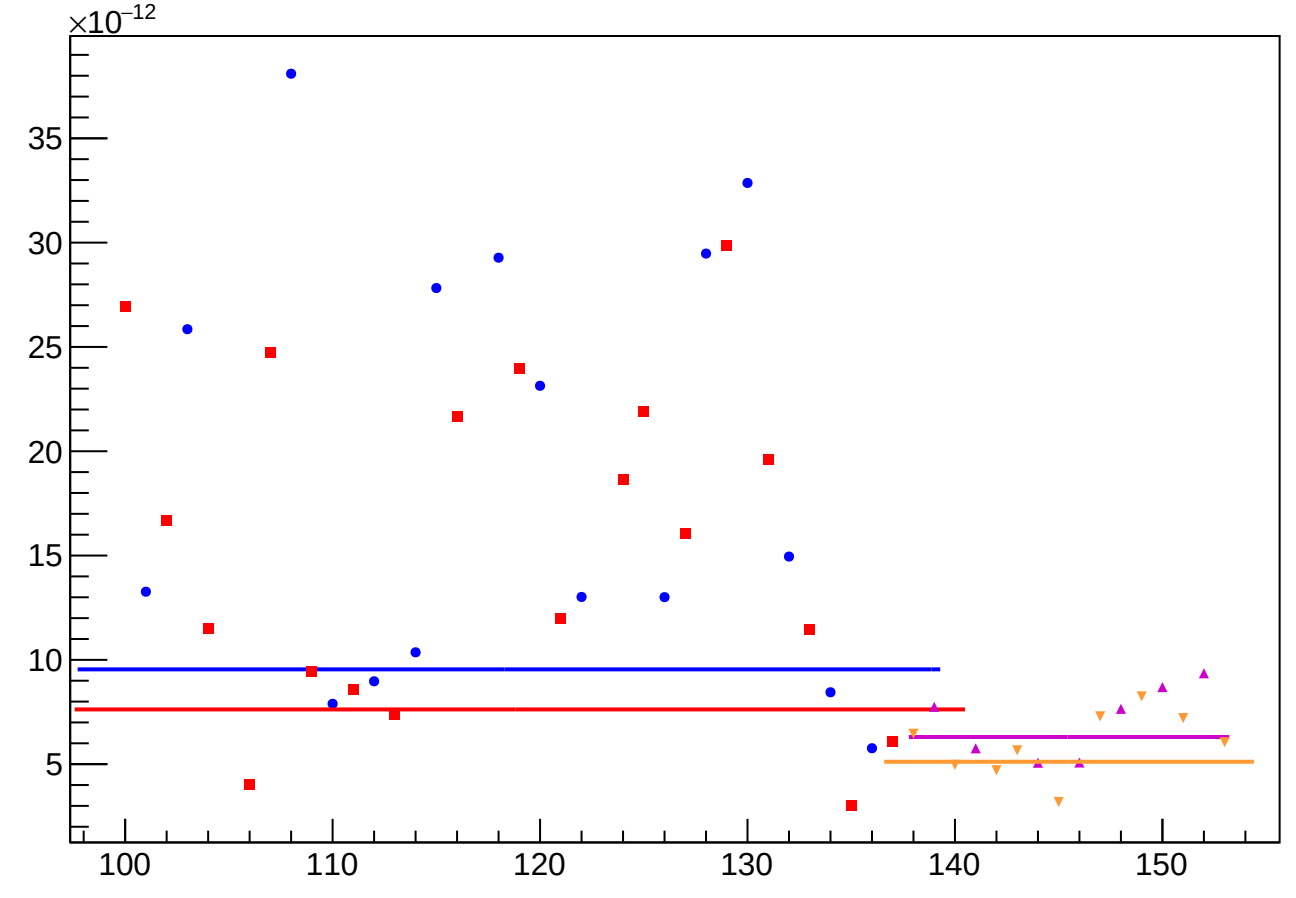
Left: -0.000+/-0.000 χ^2/NDF: 17.3/15

Right: 0.000+/-0.000 χ^2/NDF: 39.8/34

In: -0.000+/-0.000 χ^2/NDF:32.0/22

Out: -0.000+/-0.000 χ^2/NDF:25.7/27

All: -0.000+/-0.000 χ^2/NDF: 59.3/50



Right In: 0.000+/-0.000 χ^2/NDF: 2632531.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:811312.3/8

Right Out: 0.000+/-0.000 χ^2/NDF: 3086000.4/18

Left In: 0.000+/-0.000 χ^2/NDF:460317.1/6

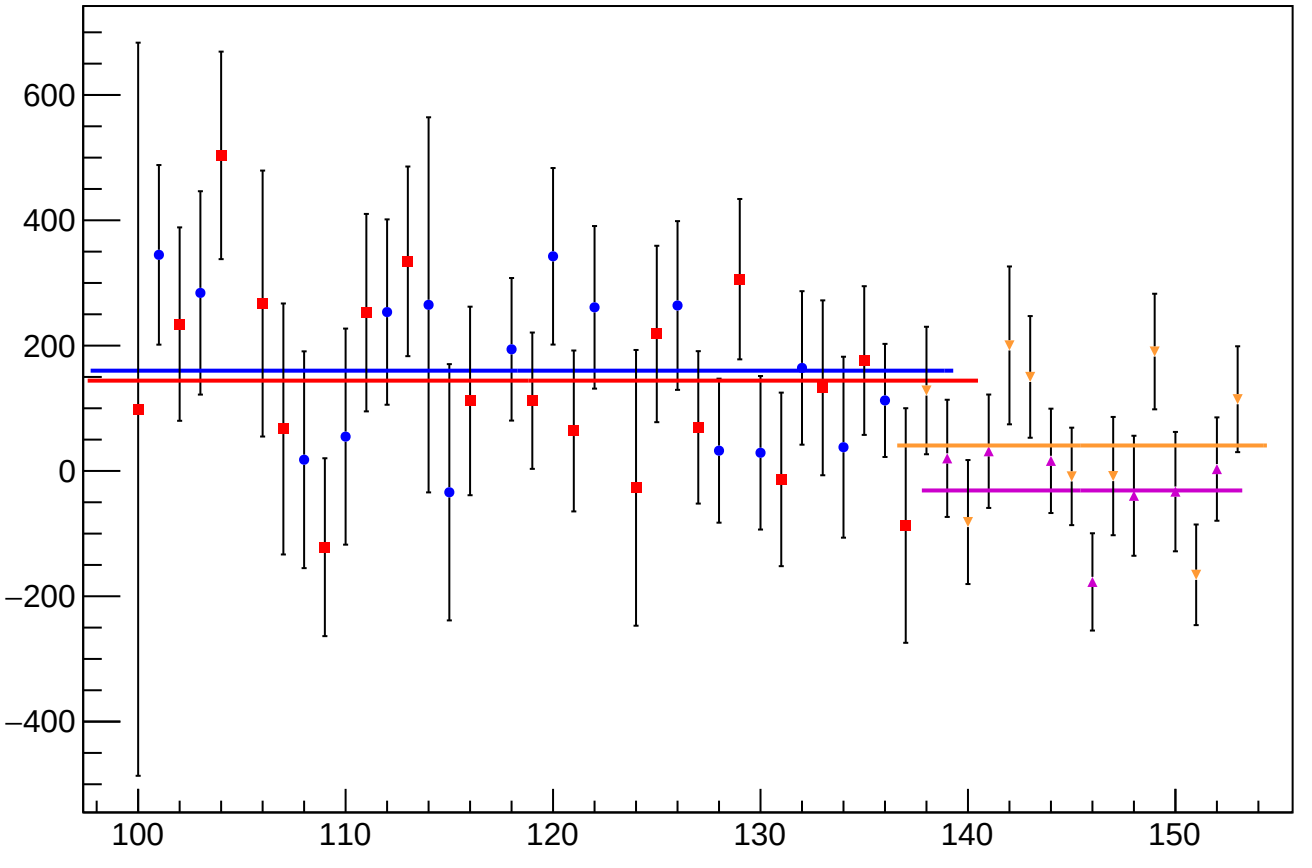
Left: 0.000+/-0.000 χ^2/NDF: 1444708.5/15

Right: 0.000+/-0.000 χ^2/NDF: 5879584.6/34

In: 0.000+/-0.000 χ^2/NDF:3683284.6/22

Out: 0.000+/-0.000 χ^2/NDF:4372602.5/27

All: 0.000+/-0.000 χ^2/NDF: 8425990.3/50



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: 40.629+/-30.740 χ^2/NDF:15.8/8

Right Out: 144.117+/-34.213 χ^2/NDF: 17.4/18

Left In: -31.150+/-33.097 χ^2/NDF:4.8/6

Left: 7.386+/-22.524 χ^2/NDF: 23.2/15

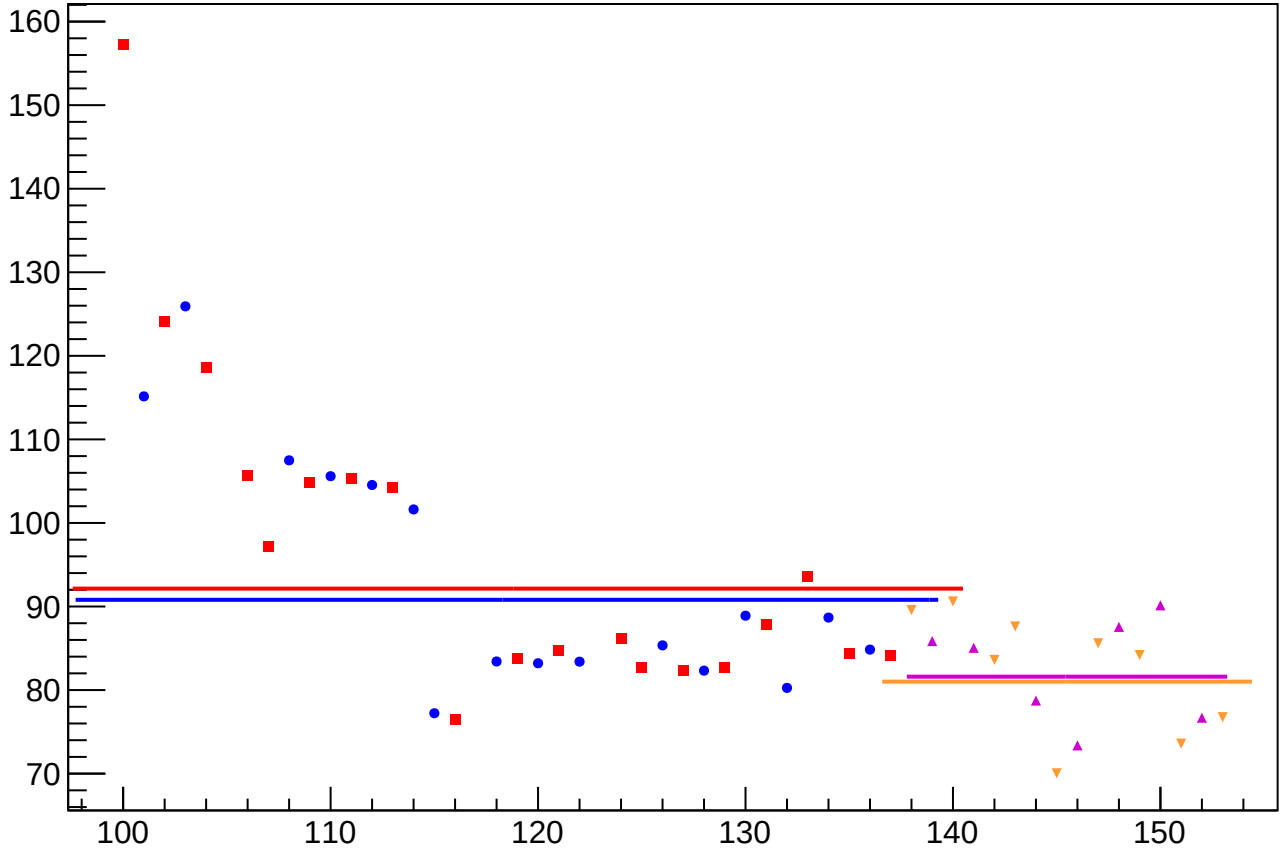
Right: 152.081+/-24.177 χ^2/NDF: 28.6/34

In: 61.388+/-23.773 χ^2/NDF:32.0/22

Out: 86.854+/-22.866 χ^2/NDF:38.3/27

All: 74.616+/-16.480 χ^2/NDF: 70.9/50

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 90.802+/-0.024 χ^2/NDF: 272755.2/15

Left Out: 81.008+/-0.022 χ^2/NDF:112179.6/8

Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 81.604+/-0.023 χ^2/NDF:62760.3/6

Left: 81.284+/-0.016 χ^2/NDF: 175288.0/15

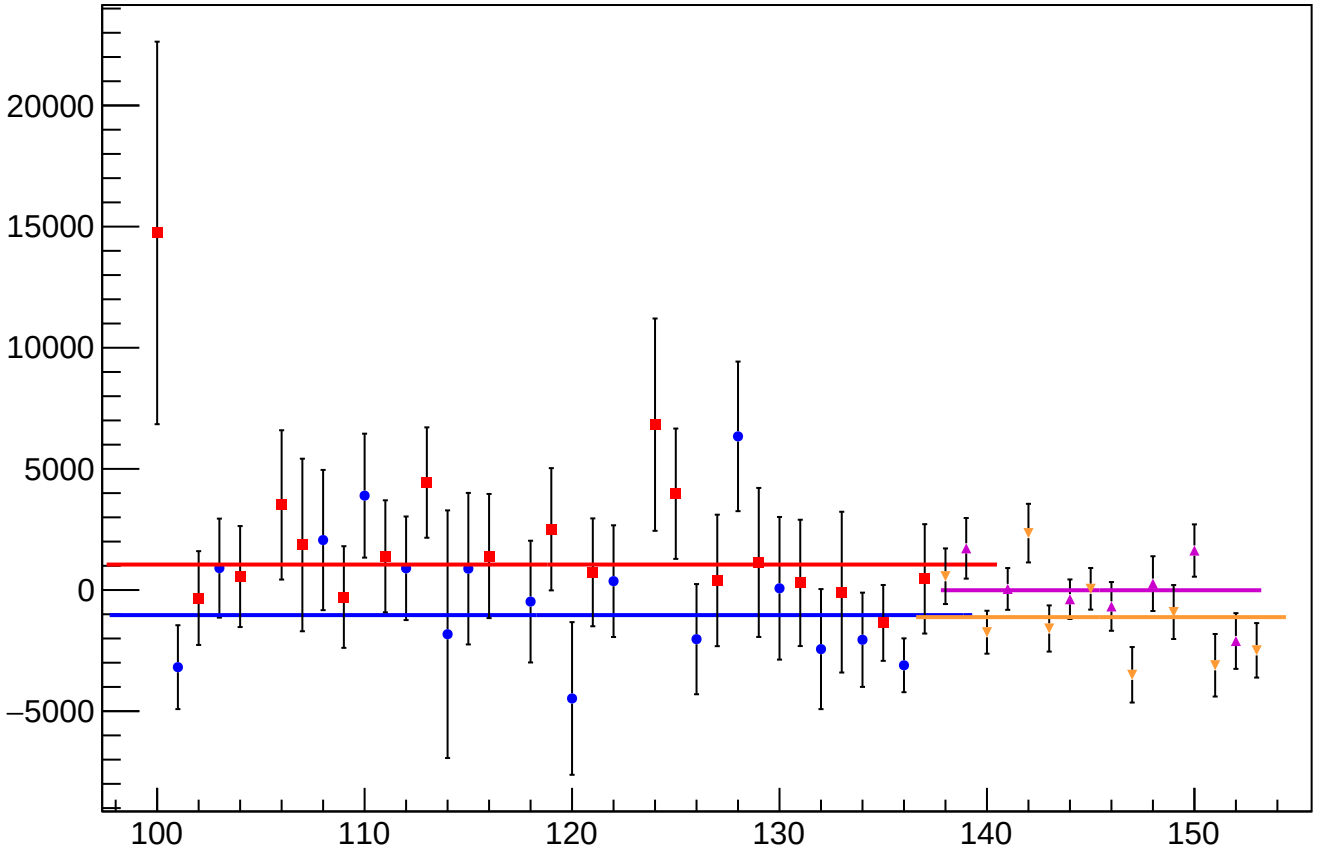
Right: 91.471+/-0.017 χ^2/NDF: 576322.1/34

In: 86.056+/-0.017 χ^2/NDF:410289.1/22

Out: 85.981+/-0.016 χ^2/NDF:531396.2/27

All: 86.017+/-0.012 χ^2/NDF: 941695.7/50

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: -1118.361+/-350.691 χ^2/NDF:21.2/8

Right Out: 1051.517+/-568.935 χ^2/NDF: 12.9/18

Left In: -9.139+/-381.597 χ^2/NDF:8.2/6

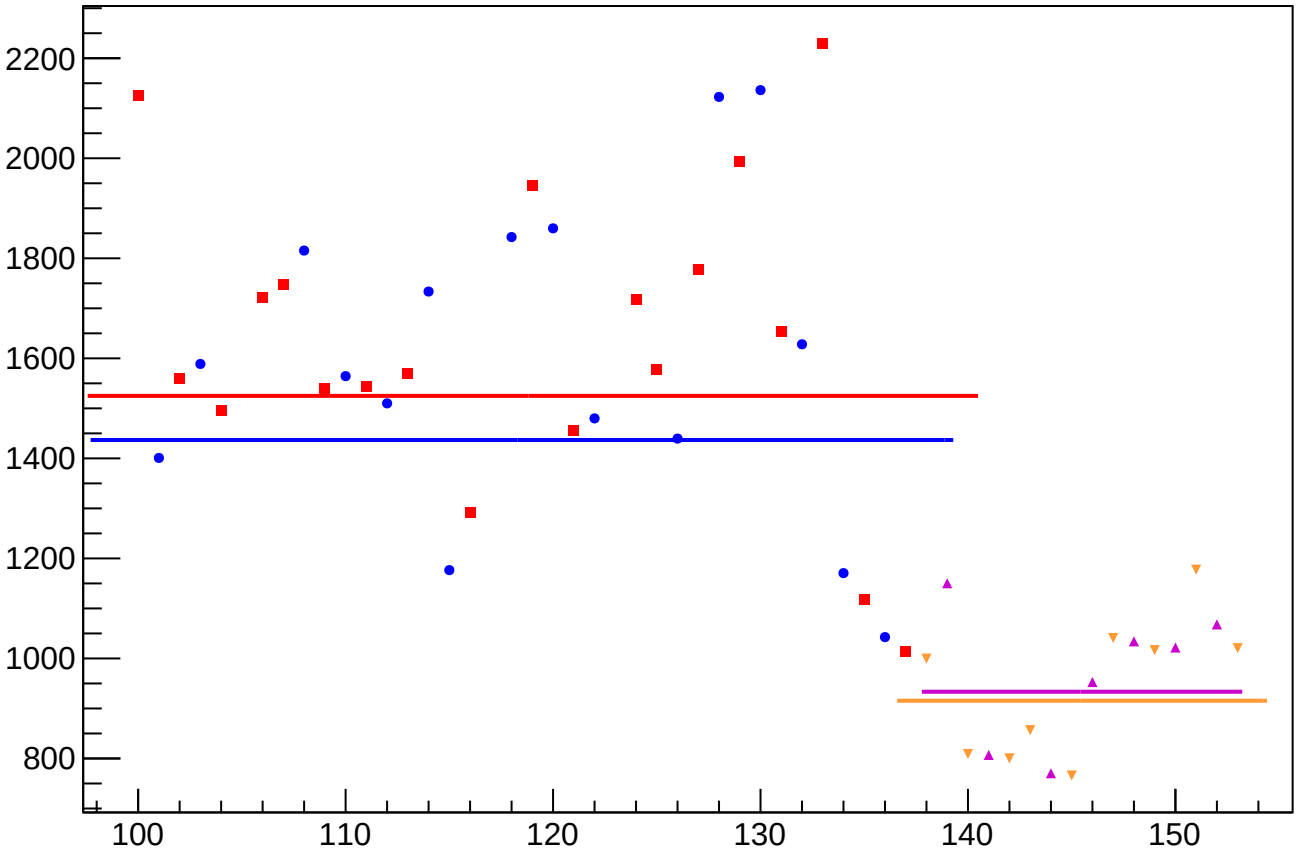
Left: -610.482+/-258.212 χ^2/NDF: 34.0/15

Right: -26.665+/-395.510 χ^2/NDF: 40.1/34

In: -342.337+/-313.564 χ^2/NDF:30.8/22

Out: -520.918+/-298.533 χ^2/NDF:44.6/27

All: -436.010+/-216.213 χ^2/NDF: 75.6/50



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 915.445+/-0.248 χ^2/NDF:266419.4/8

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

Left In: 933.472+/-0.270 χ^2/NDF:240132.1/6

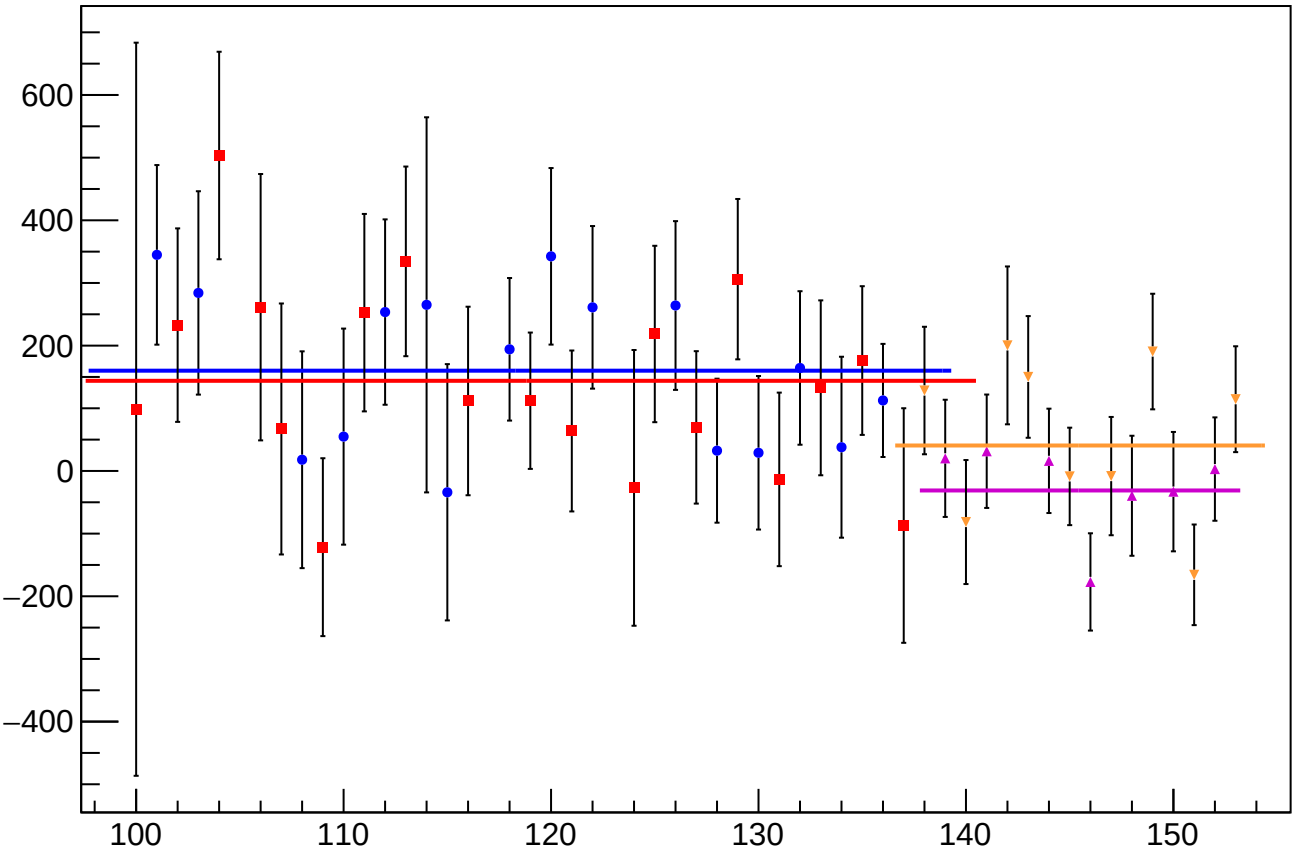
Left: 923.699+/-0.183 χ^2/NDF: 508971.1/15

Right: 1479.369+/-0.280 χ^2/NDF: 1205085.6/34

In: 1096.925+/-0.222 χ^2/NDF:2045620.3/22

Out: 1083.264+/-0.211 χ^2/NDF:2434413.4/27

All: 1089.759+/-0.153 χ^2/NDF: 4482024.8/50



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: 40.632+/-30.740 χ^2/NDF:15.8/8

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: -31.147+/-33.097 χ^2/NDF:4.8/6

Left: 7.389+/-22.524 χ^2/NDF: 23.2/15

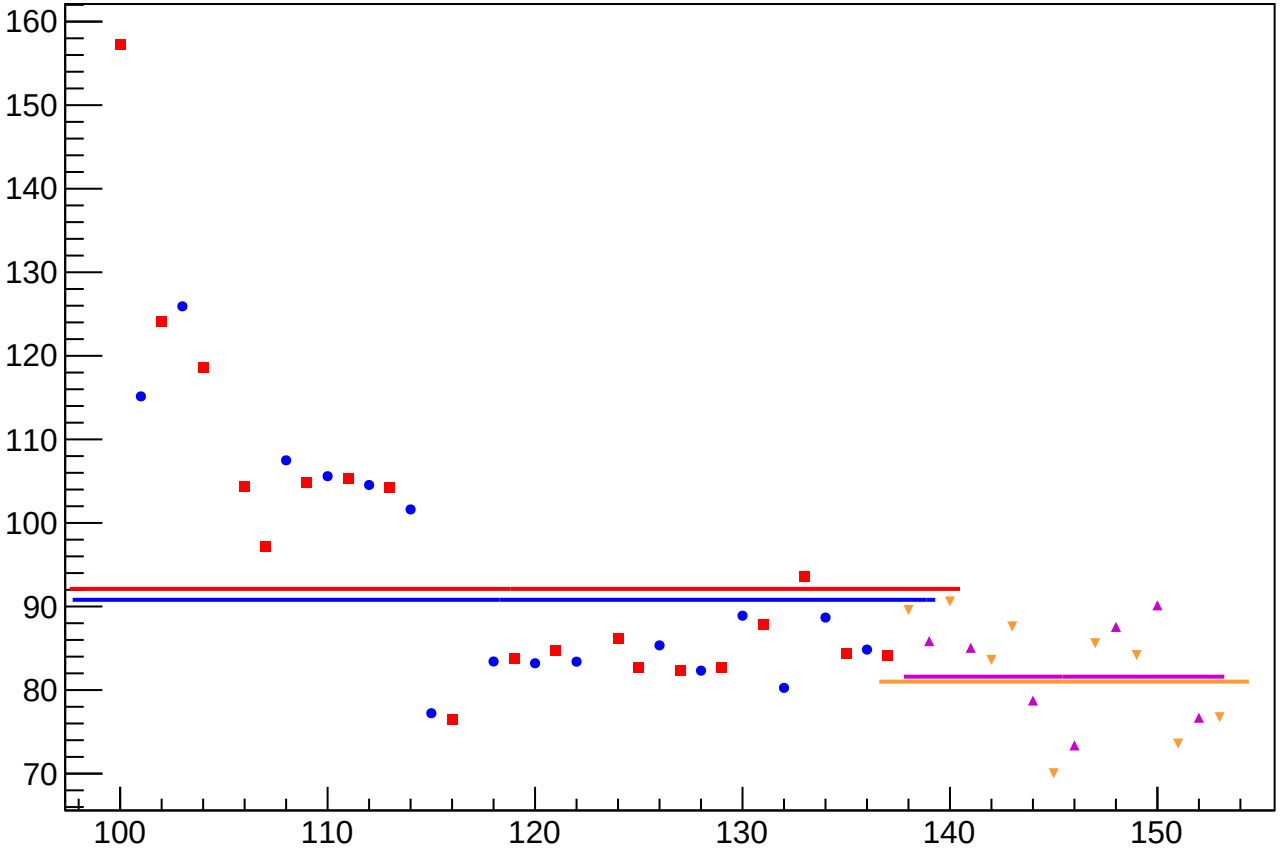
Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 61.388+/-23.773 χ^2/NDF:32.0/22

Out: 86.739+/-22.867 χ^2/NDF:38.2/27

All: 74.556+/-16.480 χ^2/NDF: 70.8/50

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: 81.008+/-0.022 χ^2/NDF:112179.6/8

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 81.604+/-0.023 χ^2/NDF:62760.3/6

Left: 81.284+/-0.016 χ^2/NDF: 175288.0/15

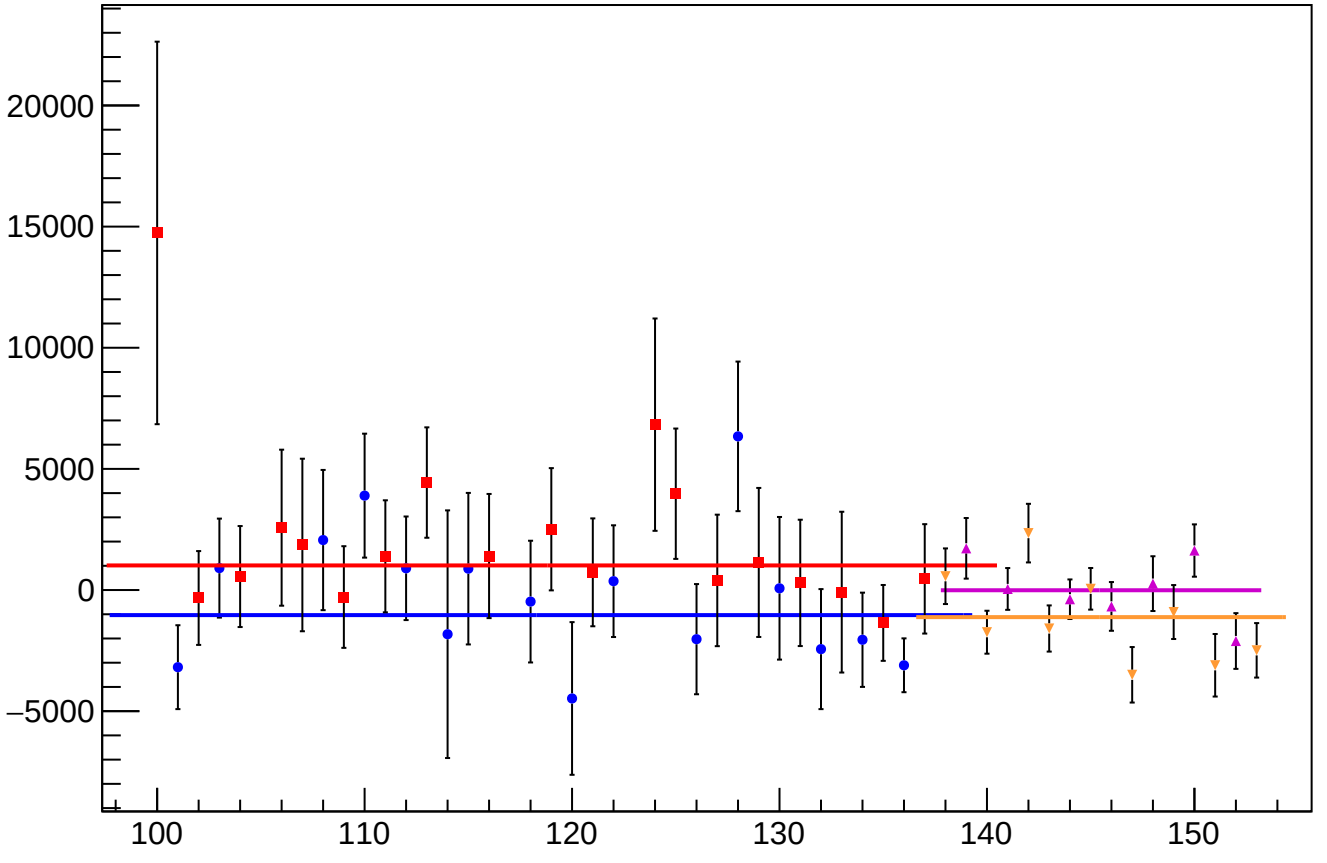
Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 86.056+/-0.017 χ^2/NDF:410291.0/22

Out: 85.966+/-0.016 χ^2/NDF:529428.4/27

All: 86.009+/-0.012 χ^2/NDF: 939734.5/50

asym_sam_24_68_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1118.354+/-350.690 χ^2/NDF:21.2/8

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: -9.133+/-381.598 χ^2/NDF:8.2/6

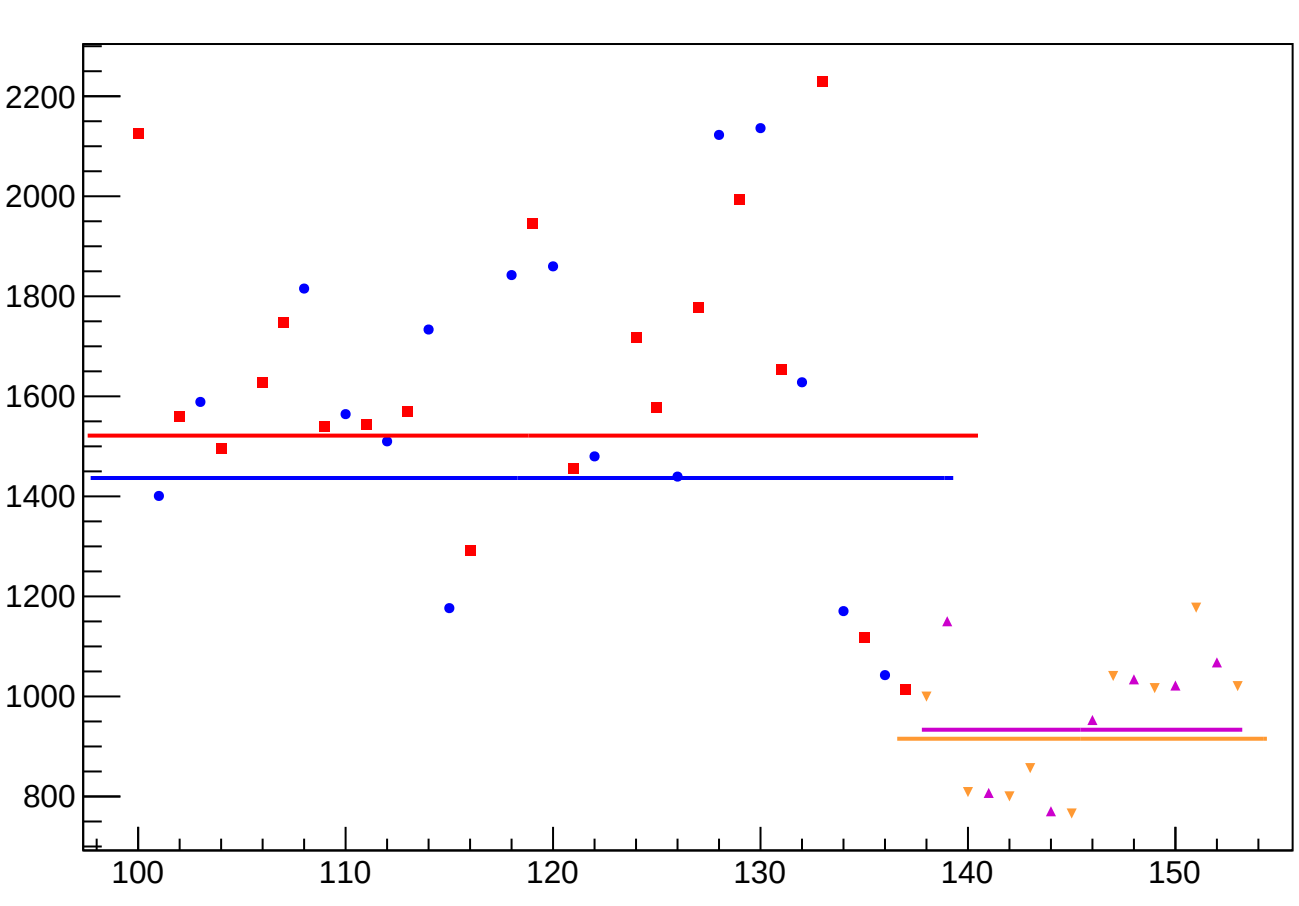
Left: -610.476+/-258.212 χ^2/NDF: 34.0/15

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -342.323+/-313.564 χ^2/NDF:30.8/22

Out: -532.114+/-298.654 χ^2/NDF:43.8/27

All: -441.838+/-216.259 χ^2/NDF: 74.8/50



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 915.445+/-0.248 χ^2/NDF:266420.1/8

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 933.472+/-0.270 χ^2/NDF:240132.7/6

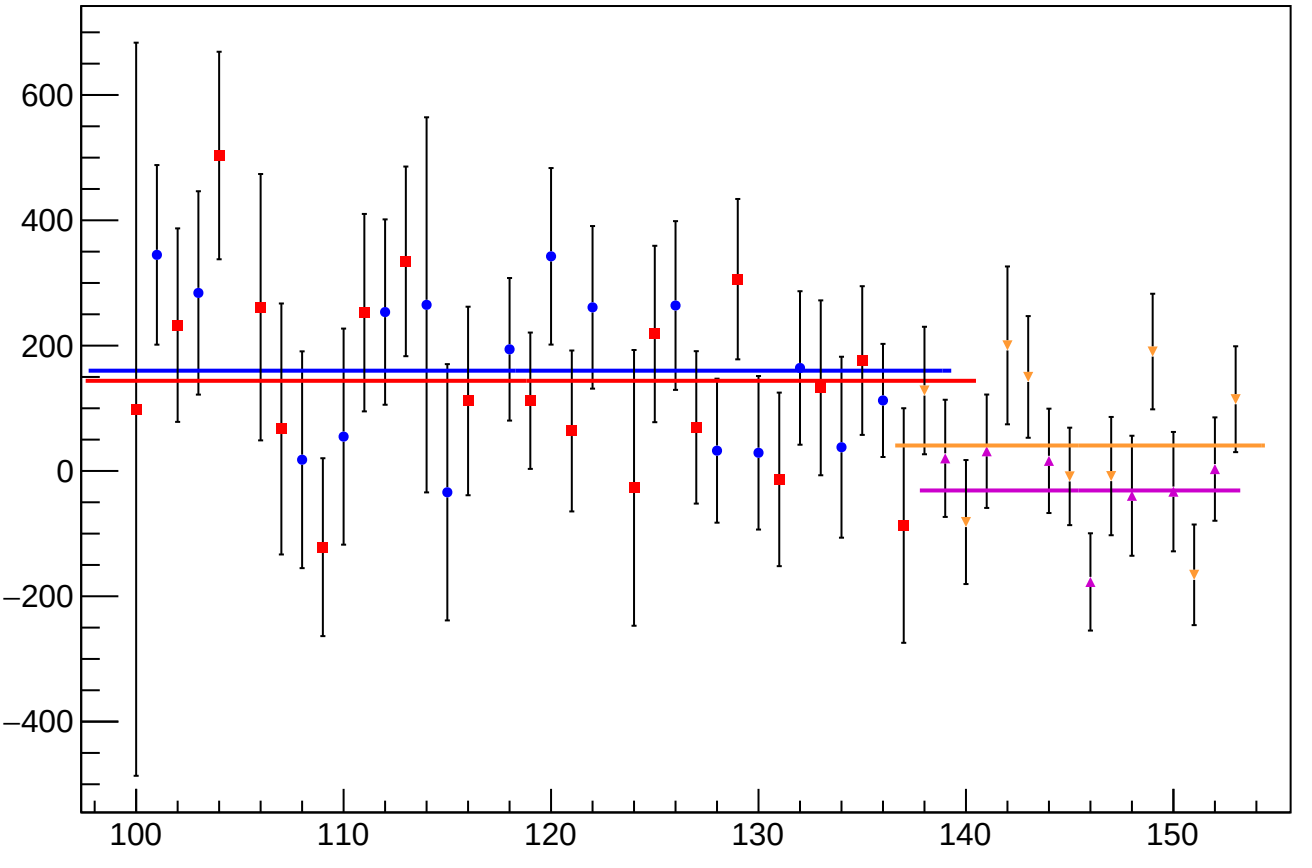
Left: 923.699+/-0.183 χ^2/NDF: 508972.5/15

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1096.926+/-0.222 χ^2/NDF:2045640.1/22

Out: 1081.956+/-0.211 χ^2/NDF:2405882.7/27

All: 1089.076+/-0.153 χ^2/NDF: 4453912.9/50



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: 40.632+/-30.740 χ^2/NDF:15.8/8

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: -31.147+/-33.097 χ^2/NDF:4.8/6

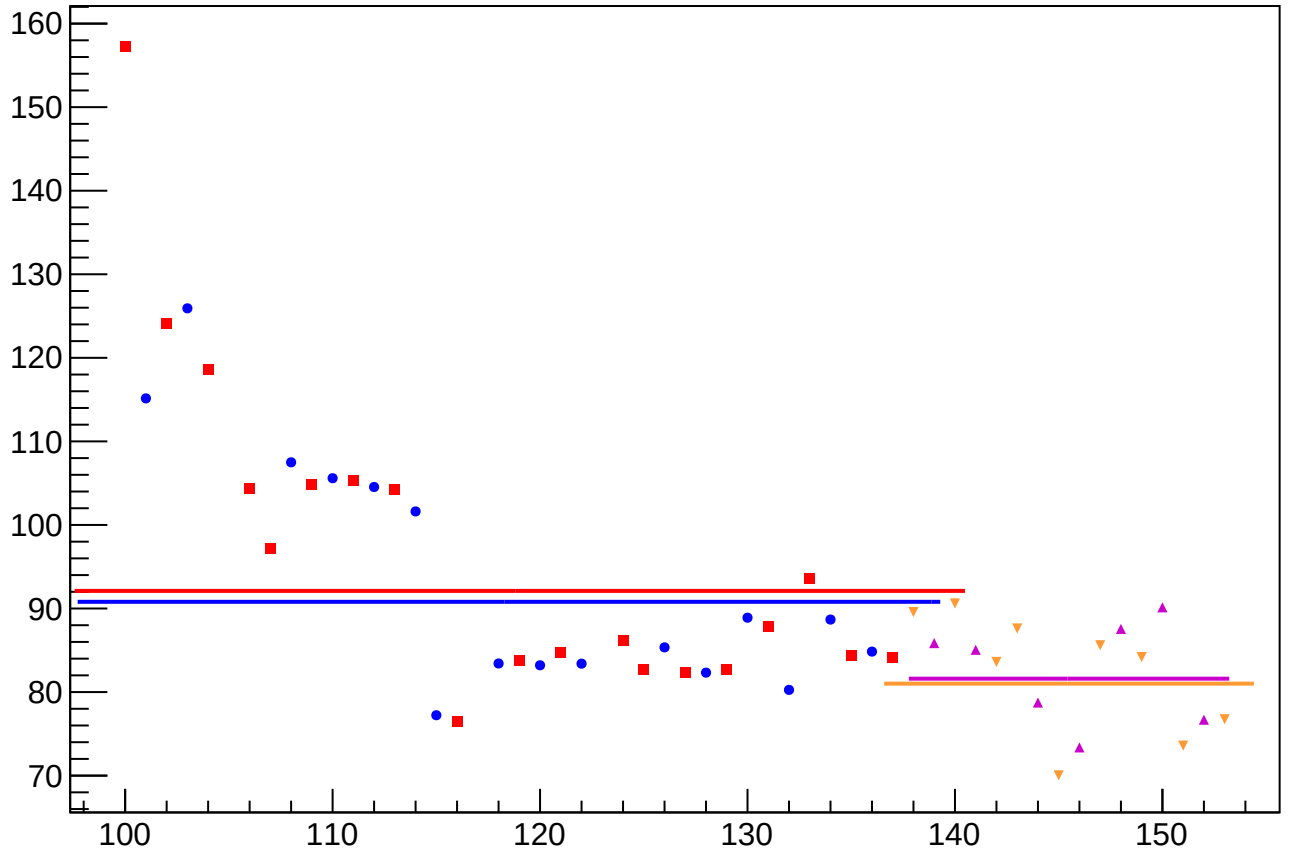
Left: 7.389+/-22.524 χ^2/NDF: 23.2/15

Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 61.388+/-23.773 χ^2/NDF:32.0/22

Out: 86.739+/-22.867 χ^2/NDF:38.2/27

All: 74.556+/-16.480 χ^2/NDF: 70.8/50



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 81.008+/-0.022 χ^2/NDF:112179.6/8

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 81.604+/-0.023 χ^2/NDF:62760.3/6

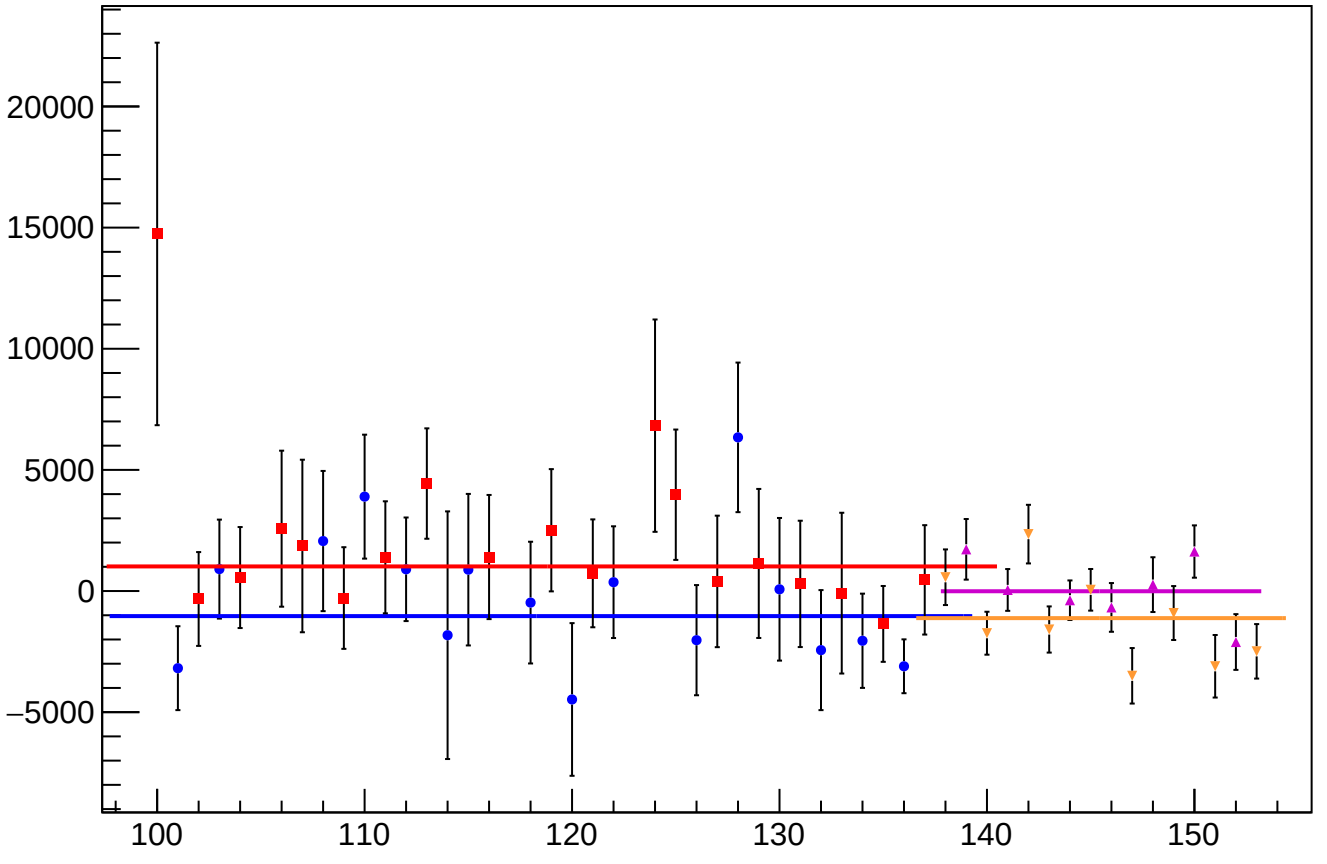
Left: 81.284+/-0.016 χ^2/NDF: 175288.0/15

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 86.056+/-0.017 χ^2/NDF:410291.0/22

Out: 85.966+/-0.016 χ^2/NDF:529428.4/27

All: 86.009+/-0.012 χ^2/NDF: 939734.5/50



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1118.354+/-350.690 χ^2/NDF:21.2/8

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: -9.133+/-381.598 χ^2/NDF:8.2/6

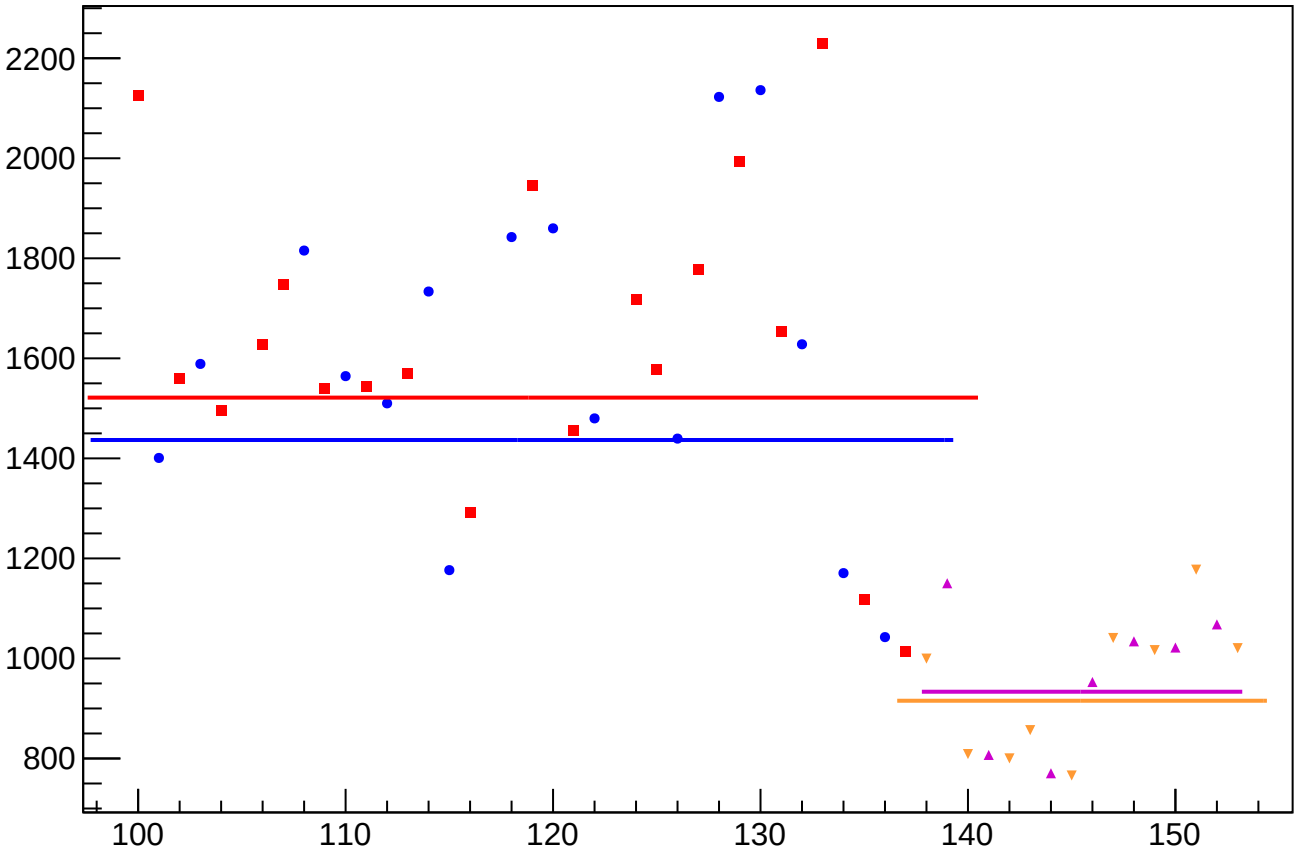
Left: -610.476+/-258.212 χ^2/NDF: 34.0/15

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -342.323+/-313.564 χ^2/NDF:30.8/22

Out: -532.114+/-298.654 χ^2/NDF:43.8/27

All: -441.838+/-216.259 χ^2/NDF: 74.8/50



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 915.445+/-0.248 χ^2/NDF:266420.1/8

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 933.472+/-0.270 χ^2/NDF:240132.7/6

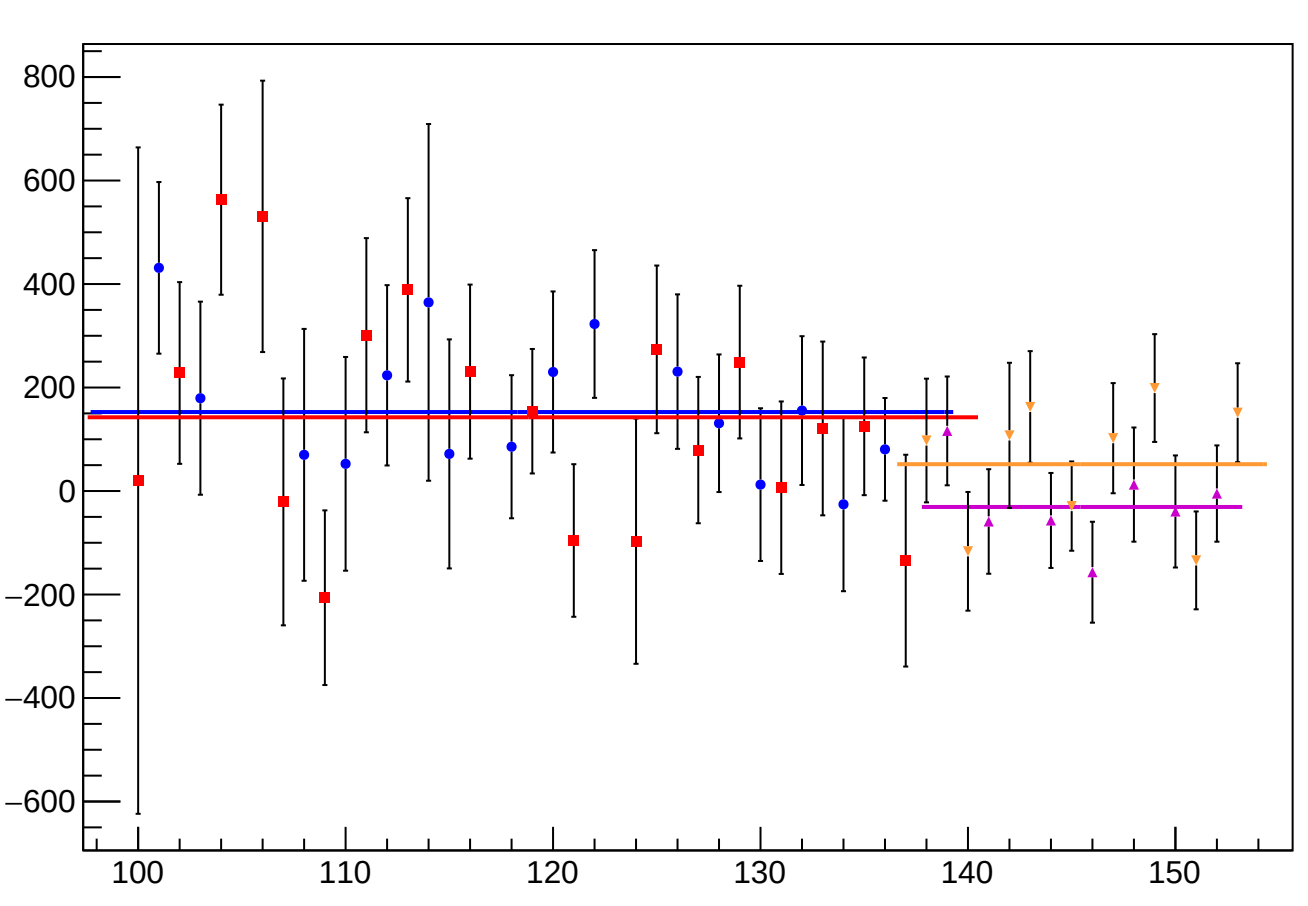
Left: 923.699+/-0.183 χ^2/NDF: 508972.5/15

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

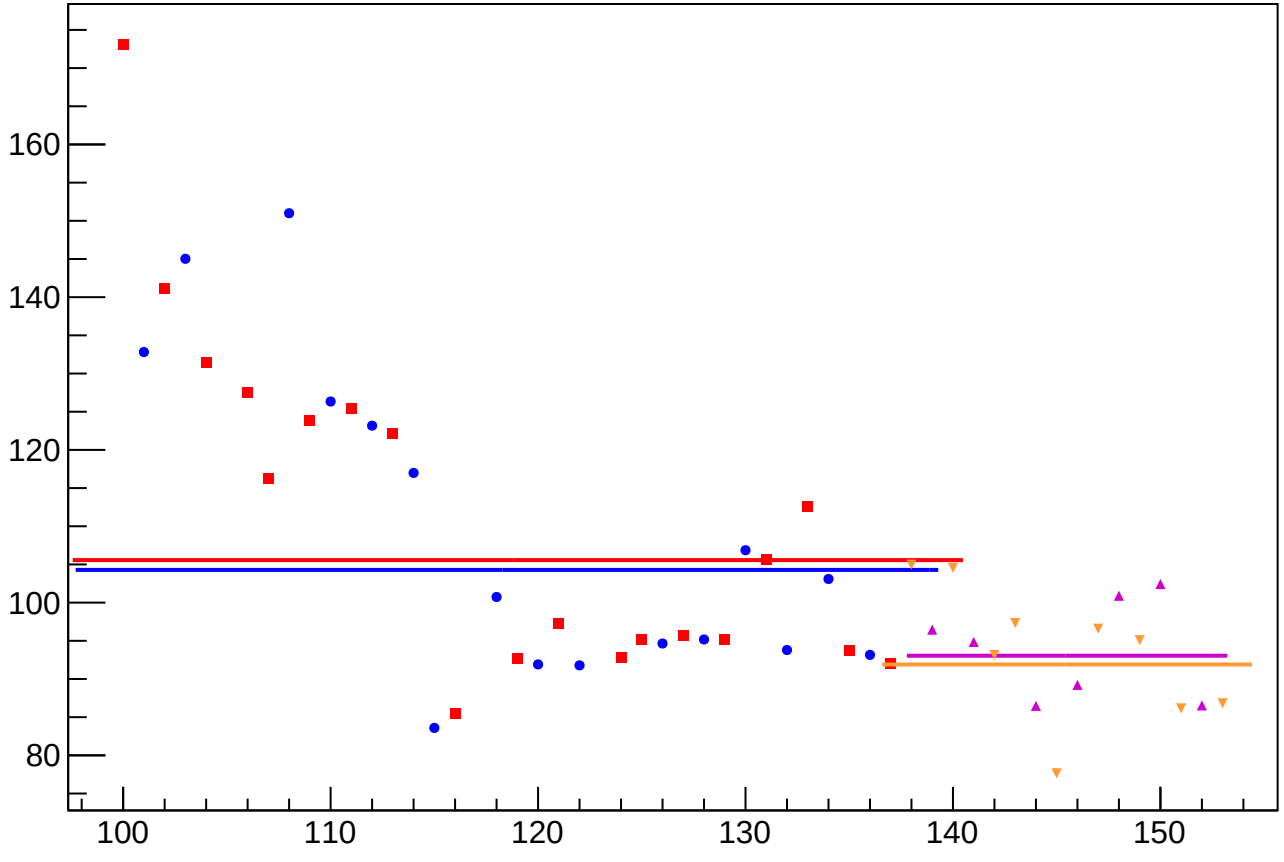
In: 1096.926+/-0.222 χ^2/NDF:2045640.1/22

Out: 1081.956+/-0.211 χ^2/NDF:2405882.7/27

All: 1089.076+/-0.153 χ^2/NDF: 4453912.9/50


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
Right In: 152.626+/-39.446 χ²/NDF: 8.6/15
Left Out: 51.820+/-34.944 χ²/NDF:11.6/8
Right Out: 142.496+/-39.340 χ²/NDF: 22.9/18
Left In: -30.809+/-37.923 χ²/NDF:4.0/6
Left: 13.878+/-25.698 χ²/NDF: 18.1/15
Right: 147.548+/-27.855 χ²/NDF: 31.6/34
In: 57.300+/-27.338 χ²/NDF:23.9/22
Out: 91.811+/-26.126 χ²/NDF:37.4/27
All: 75.337+/-18.888 χ²/NDF: 62.2/50

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: 91.897+/-0.025 χ^2/NDF:126914.1/8

Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

Left In: 93.047+/-0.027 χ^2/NDF:51027.6/6

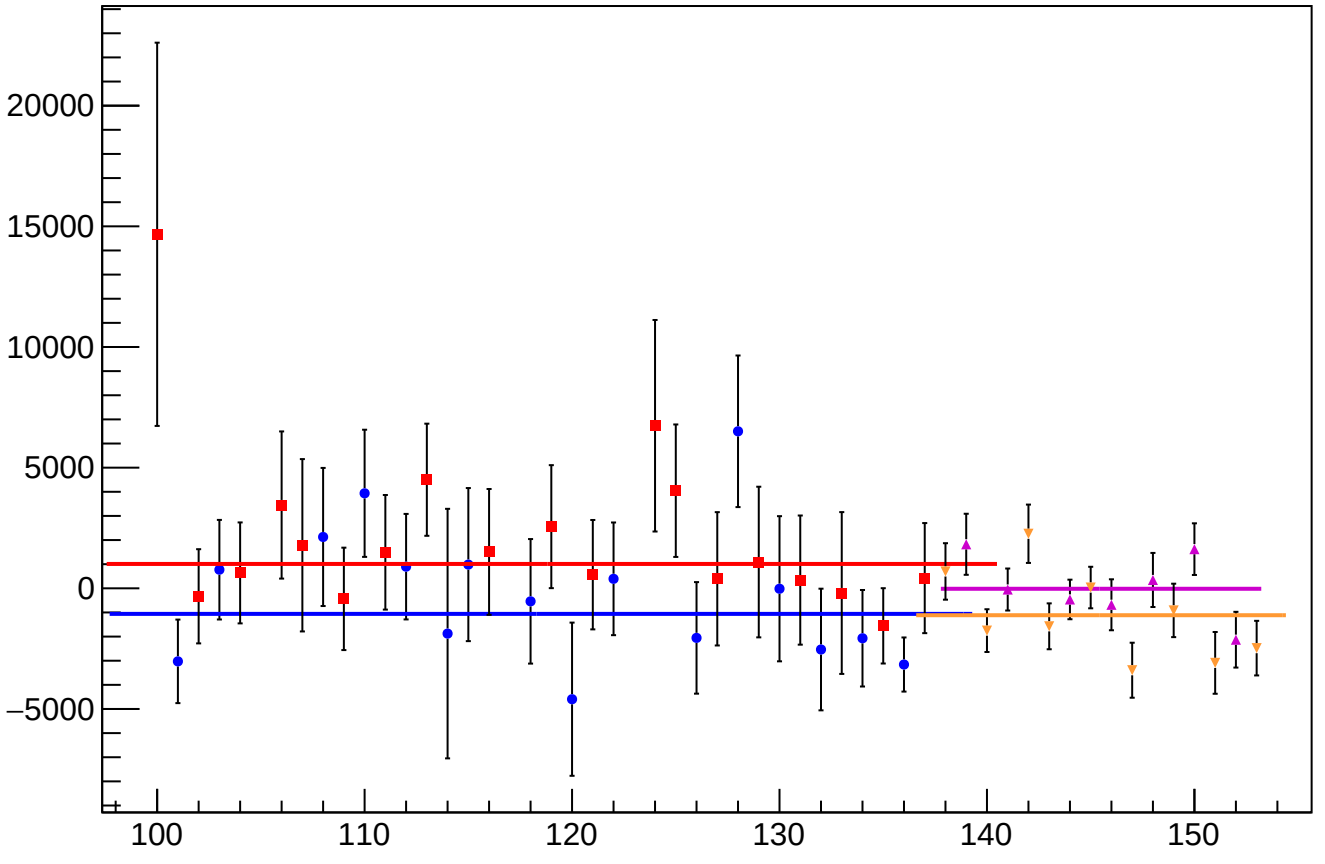
Left: 92.425+/-0.018 χ^2/NDF: 178936.5/15

Right: 104.929+/-0.020 χ^2/NDF: 723975.9/34

In: 98.446+/-0.019 χ^2/NDF:513708.0/22

Out: 97.927+/-0.018 χ^2/NDF:606519.9/27

All: 98.174+/-0.013 χ^2/NDF: 1120604.8/50



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -1114.764+/-350.871 χ^2/NDF:20.6/8

Right Out: 1009.907+/-575.100 χ^2/NDF: 13.3/18

Left In: -19.023+/-384.943 χ^2/NDF:8.6/6

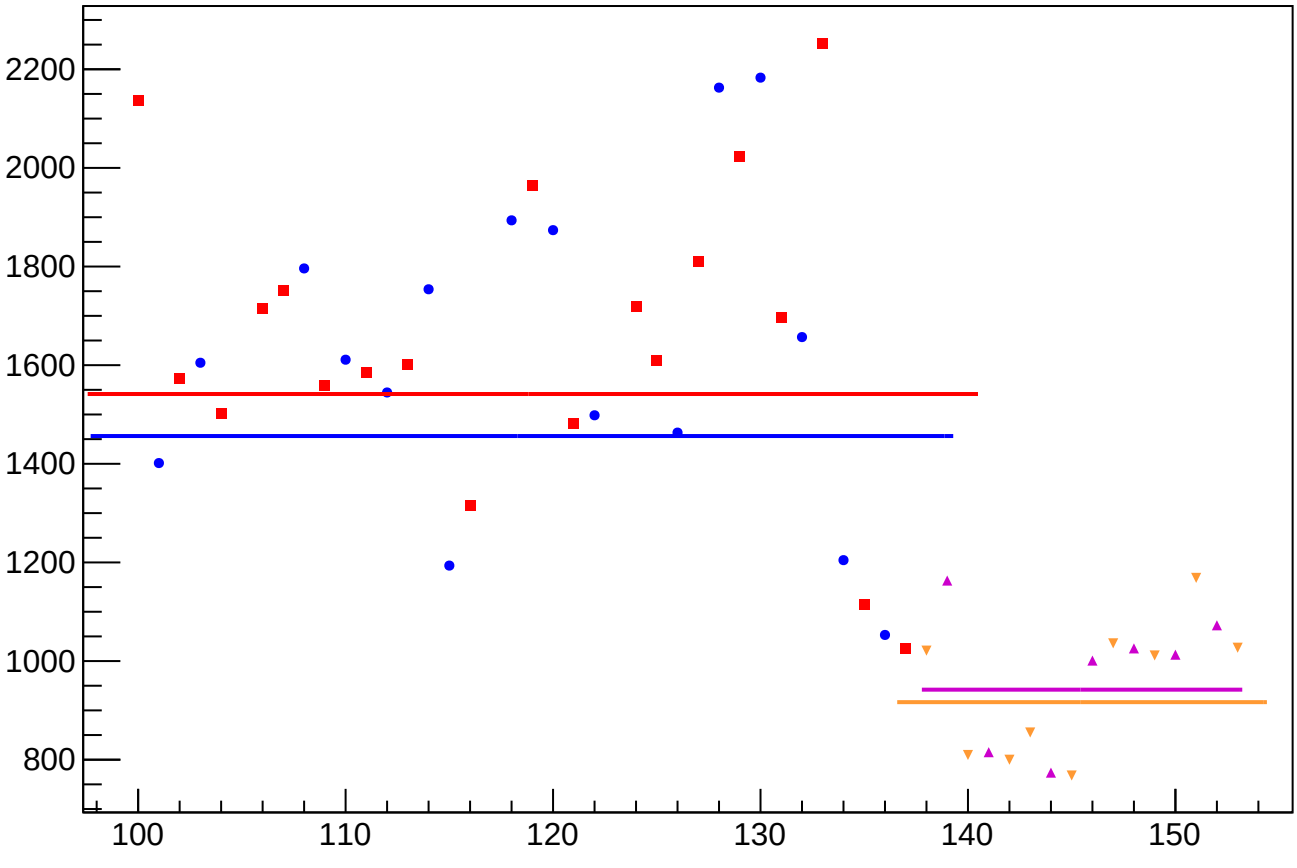
Left: -617.524+/-259.314 χ^2/NDF: 33.6/15

Right: -56.604+/-400.343 χ^2/NDF: 40.0/34

In: -354.770+/-316.794 χ^2/NDF:31.0/22

Out: -538.431+/-299.526 χ^2/NDF:43.8/27

All: -451.743+/-217.646 χ^2/NDF: 75.0/50



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 916.704+/-0.248 χ^2/NDF:265048.9/8

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

Left In: 942.017+/-0.272 χ^2/NDF:239560.2/6

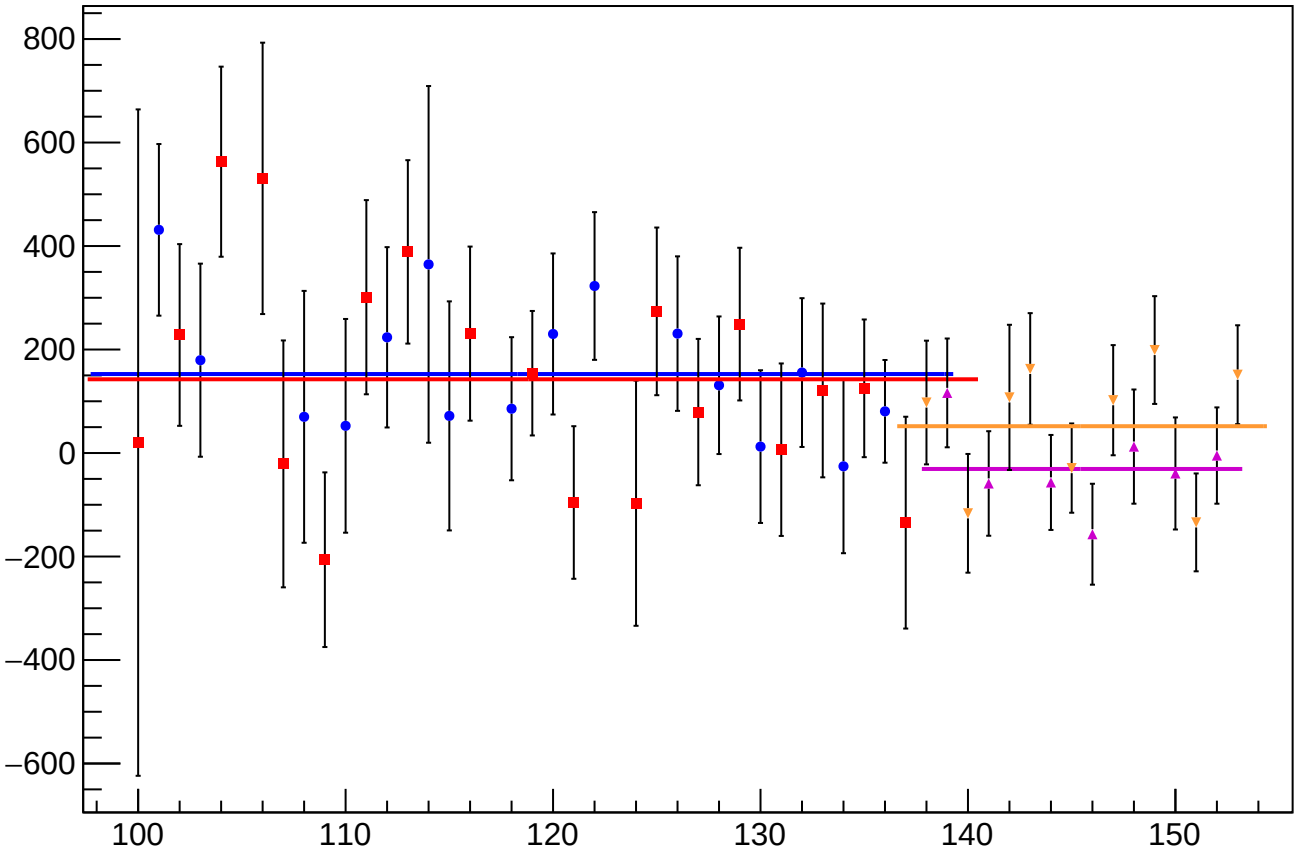
Left: 928.191+/-0.183 χ^2/NDF: 509332.9/15

Right: 1497.600+/-0.283 χ^2/NDF: 1226777.5/34

In: 1107.993+/-0.224 χ^2/NDF:2076453.7/22

Out: 1086.191+/-0.212 χ^2/NDF:2504768.4/27

All: 1096.481+/-0.154 χ^2/NDF: 4586223.7/50



Right In: 152.628+/-39.446 χ^2/NDF: 8.6/15

Left Out: 51.819+/-34.944 χ^2/NDF:11.6/8

Right Out: 142.494+/-39.340 χ^2/NDF: 22.9/18

Left In: -30.808+/-37.923 χ^2/NDF:4.0/6

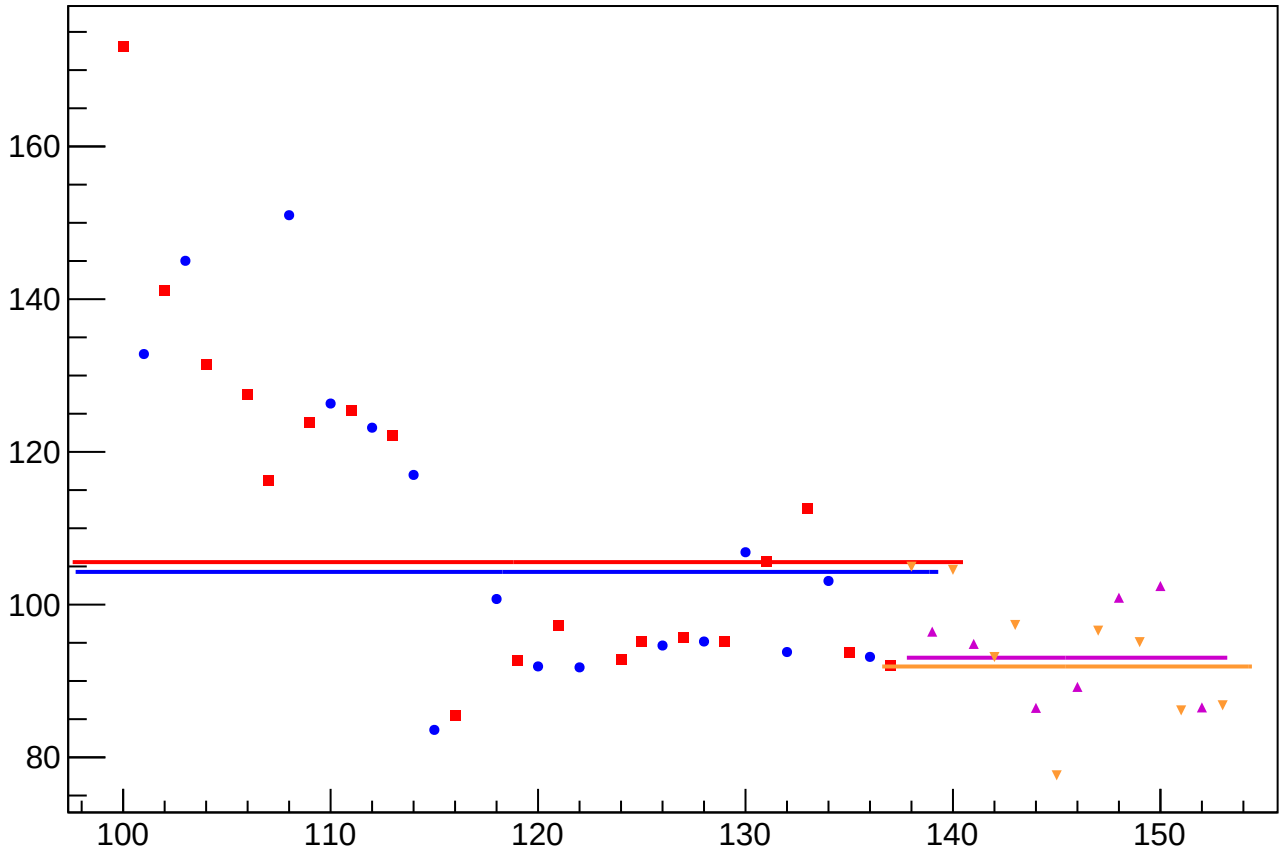
Left: 13.878+/-25.698 χ^2/NDF: 18.1/15

Right: 147.548+/-27.855 χ^2/NDF: 31.6/34

In: 57.301+/-27.338 χ^2/NDF:23.9/22

Out: 91.810+/-26.126 χ^2/NDF:37.4/27

All: 75.338+/-18.888 χ^2/NDF: 62.2/50



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 91.897+/-0.025 χ^2/NDF:126911.6/8

Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 93.047+/-0.027 χ^2/NDF:51026.4/6

Left: 92.425+/-0.018 χ^2/NDF: 178932.6/15

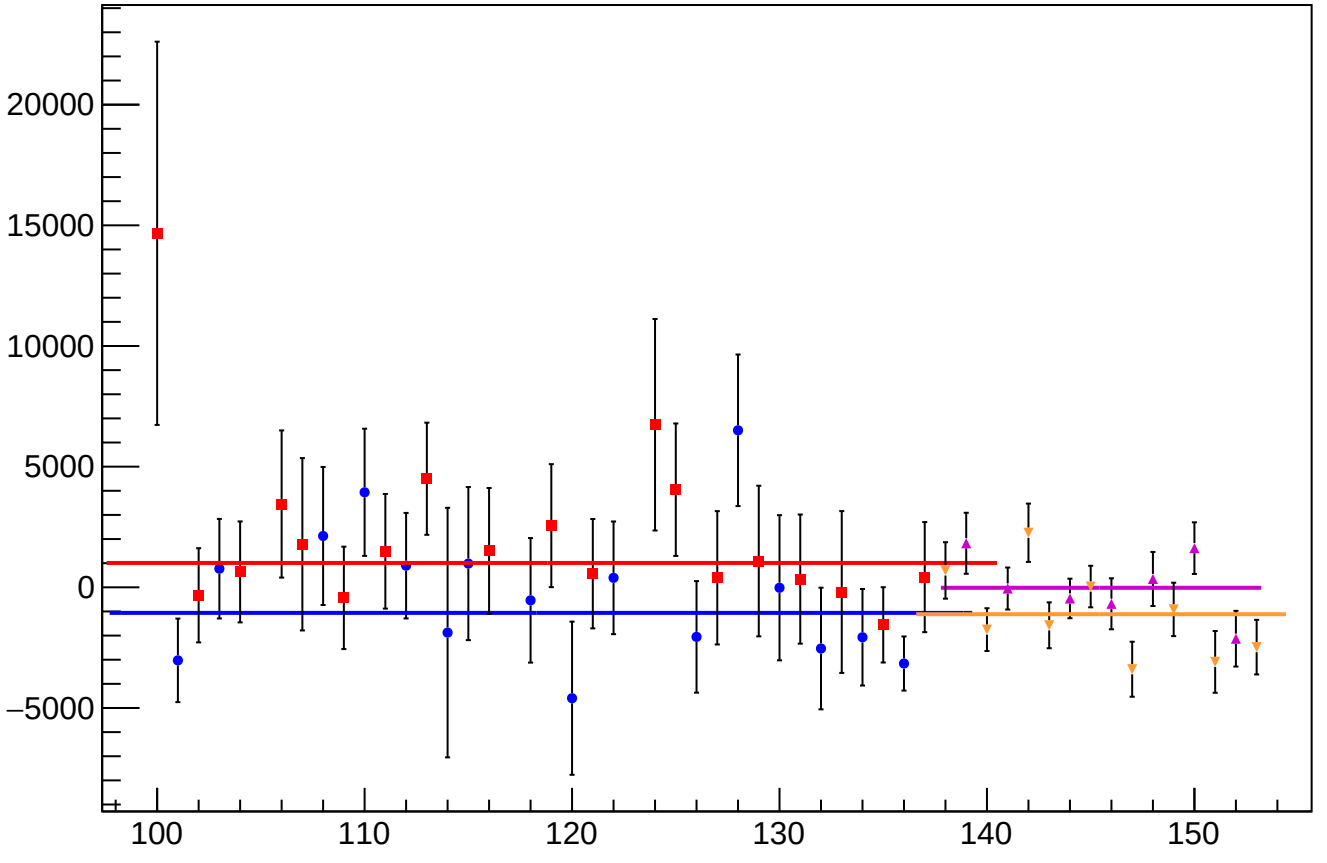
Right: 104.928+/-0.020 χ^2/NDF: 723977.9/34

In: 98.445+/-0.019 χ^2/NDF:513694.8/22

Out: 97.926+/-0.018 χ^2/NDF:606501.3/27

All: 98.174+/-0.013 χ^2/NDF: 1120572.6/50

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: -1114.764+/-350.870 χ^2/NDF:20.6/8

Right Out: 1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: -19.023+/-384.943 χ^2/NDF:8.6/6

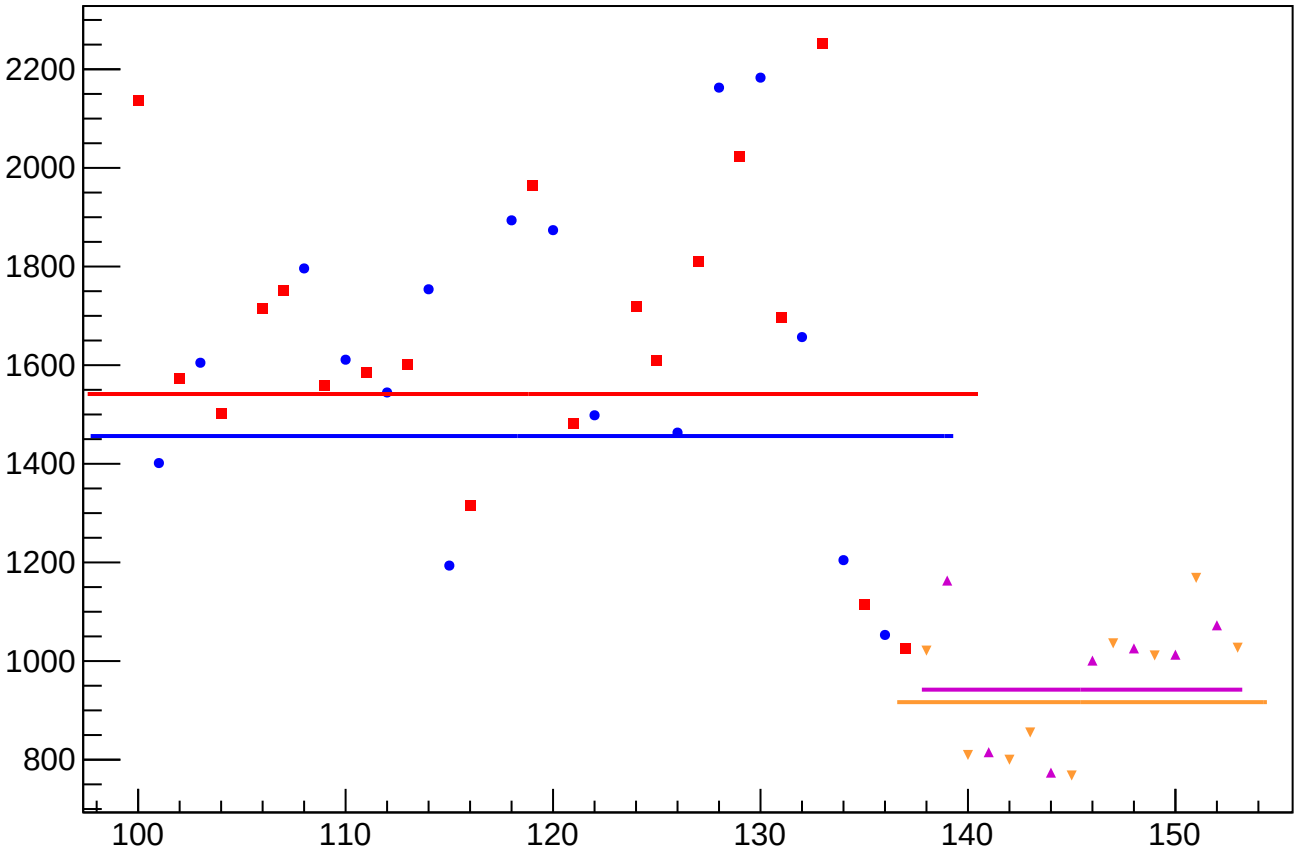
Left: -617.524+/-259.314 χ^2/NDF: 33.6/15

Right: -56.602+/-400.342 χ^2/NDF: 40.0/34

In: -354.769+/-316.794 χ^2/NDF:31.0/22

Out: -538.431+/-299.525 χ^2/NDF:43.8/27

All: -451.742+/-217.645 χ^2/NDF: 75.0/50



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 916.703+/-0.248 χ^2/NDF:265050.4/8

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

Left In: 942.017+/-0.272 χ^2/NDF:239560.1/6

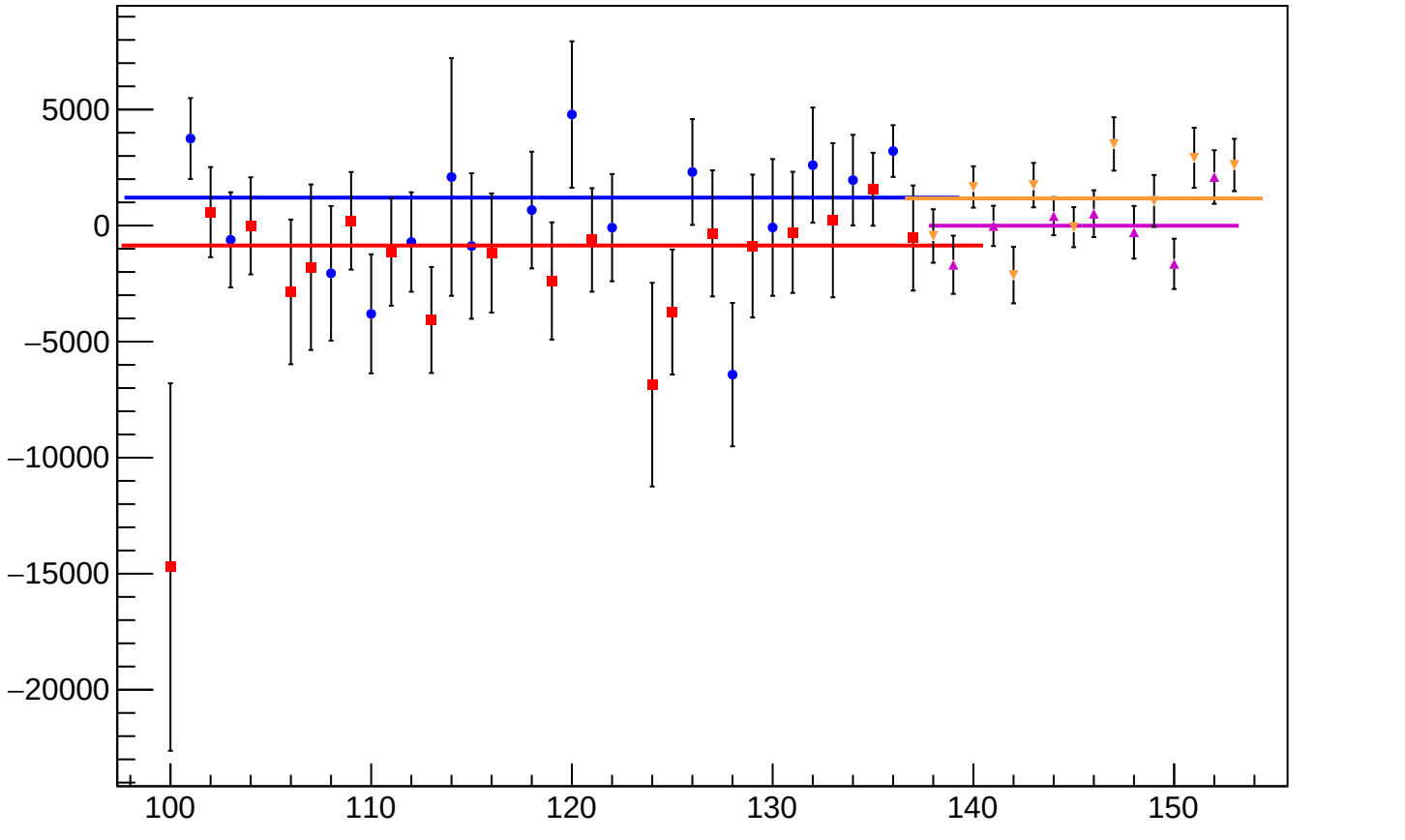
Left: 928.190+/-0.183 χ^2/NDF: 509334.5/15

Right: 1497.597+/-0.283 χ^2/NDF: 1226774.5/34

In: 1107.992+/-0.224 χ^2/NDF:2076446.2/22

Out: 1086.189+/-0.212 χ^2/NDF:2504765.2/27

All: 1096.480+/-0.154 χ^2/NDF: 4586213.1/5



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 1170.138+/-352.246 χ^2/NDF:19.7/8

Right Out: -859.290+/-570.391 χ^2/NDF: 12.5/18

Left In: -6.071+/-383.203 χ^2/NDF:8.0/6

Left: 631.455+/-259.330 χ^2/NDF: 32.8/15

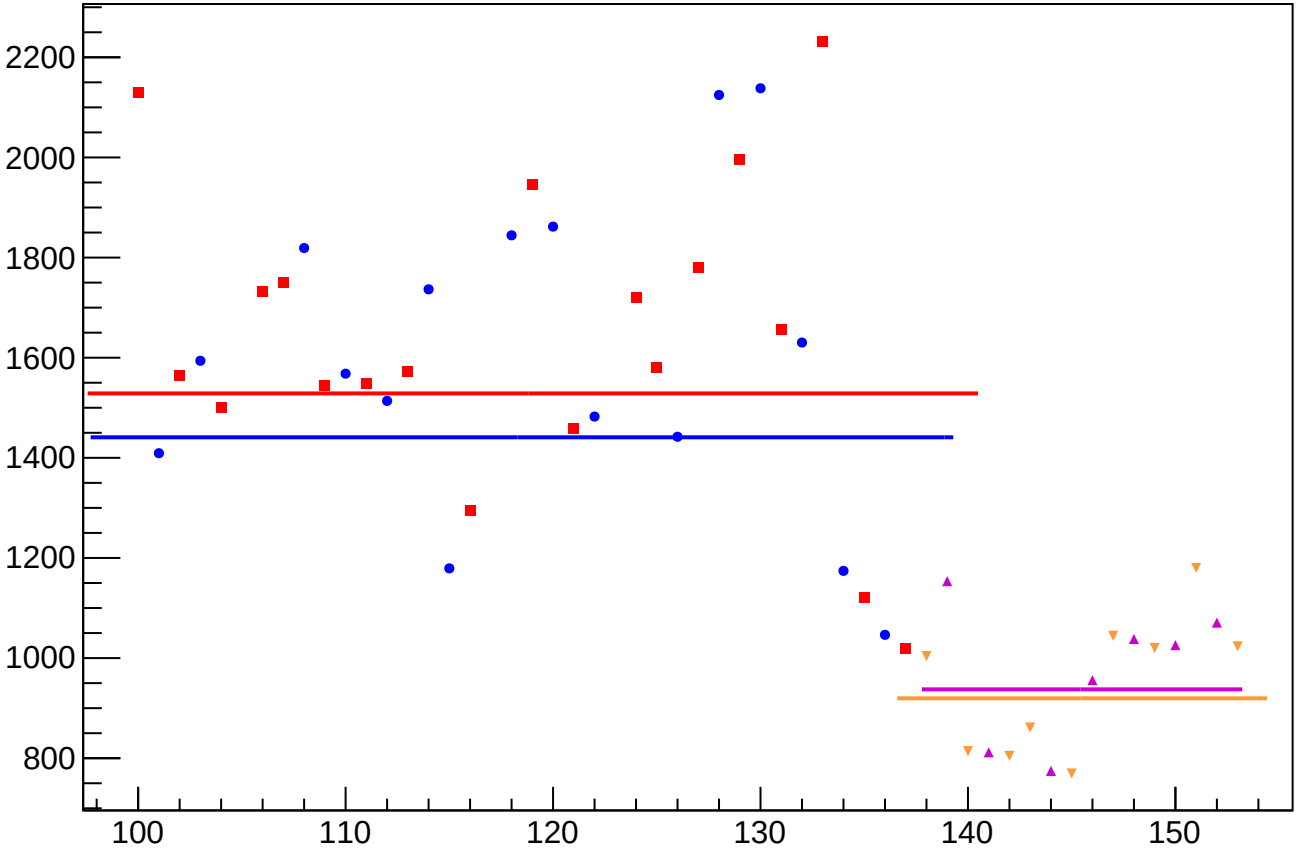
Right: 207.019+/-396.565 χ^2/NDF: 40.4/34

In: 387.932+/-314.736 χ^2/NDF:32.4/22

Out: 609.852+/-299.703 χ^2/NDF:41.4/27

All: 504.318+/-217.042 χ^2/NDF: 74.0/50

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 919.710+/-0.249 χ^2/NDF:262359.9/8

Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 937.577+/-0.271 χ^2/NDF:236478.9/6

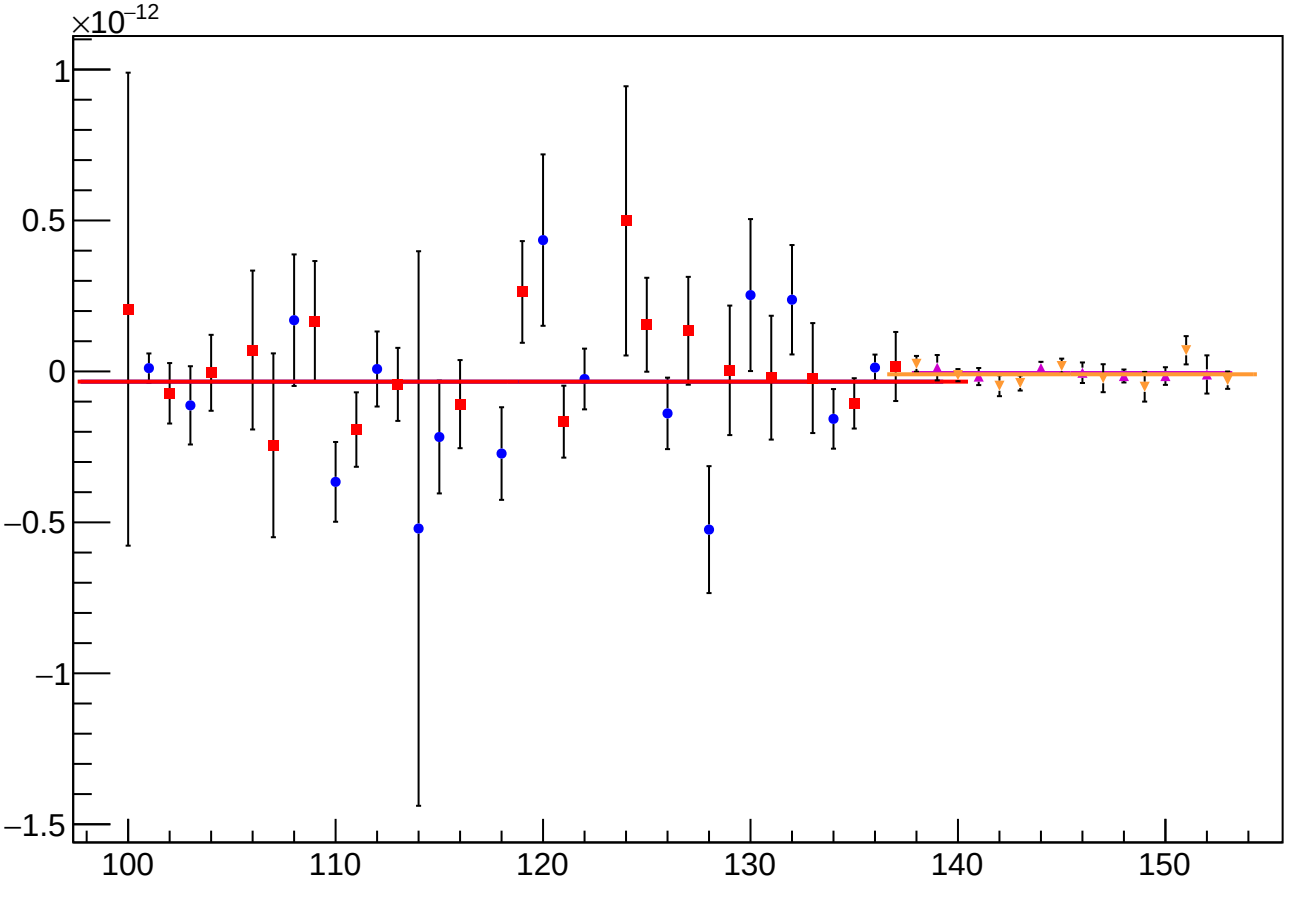
Left: 927.893+/-0.183 χ^2/NDF: 501195.4/15

Right: 1483.381+/-0.280 χ^2/NDF: 1196778.1/34

In: 1101.408+/-0.223 χ^2/NDF:2030521.4/22

Out: 1087.827+/-0.212 χ^2/NDF:2414235.9/27

All: 1094.286+/-0.153 χ^2/NDF: 4446710.3/50



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.6/8

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:1.3/6

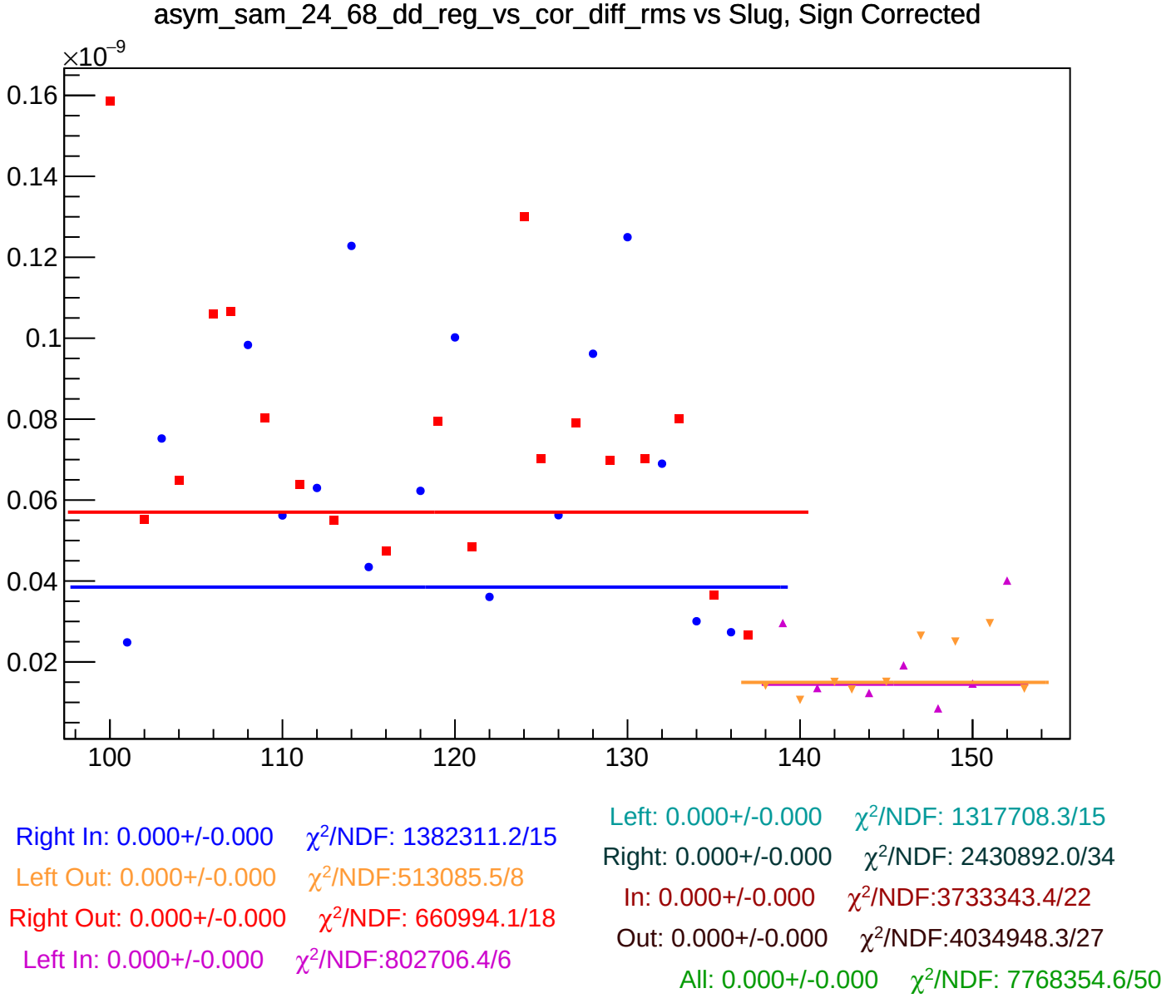
Left: -0.000+/-0.000 χ^2/NDF: 11.0/15

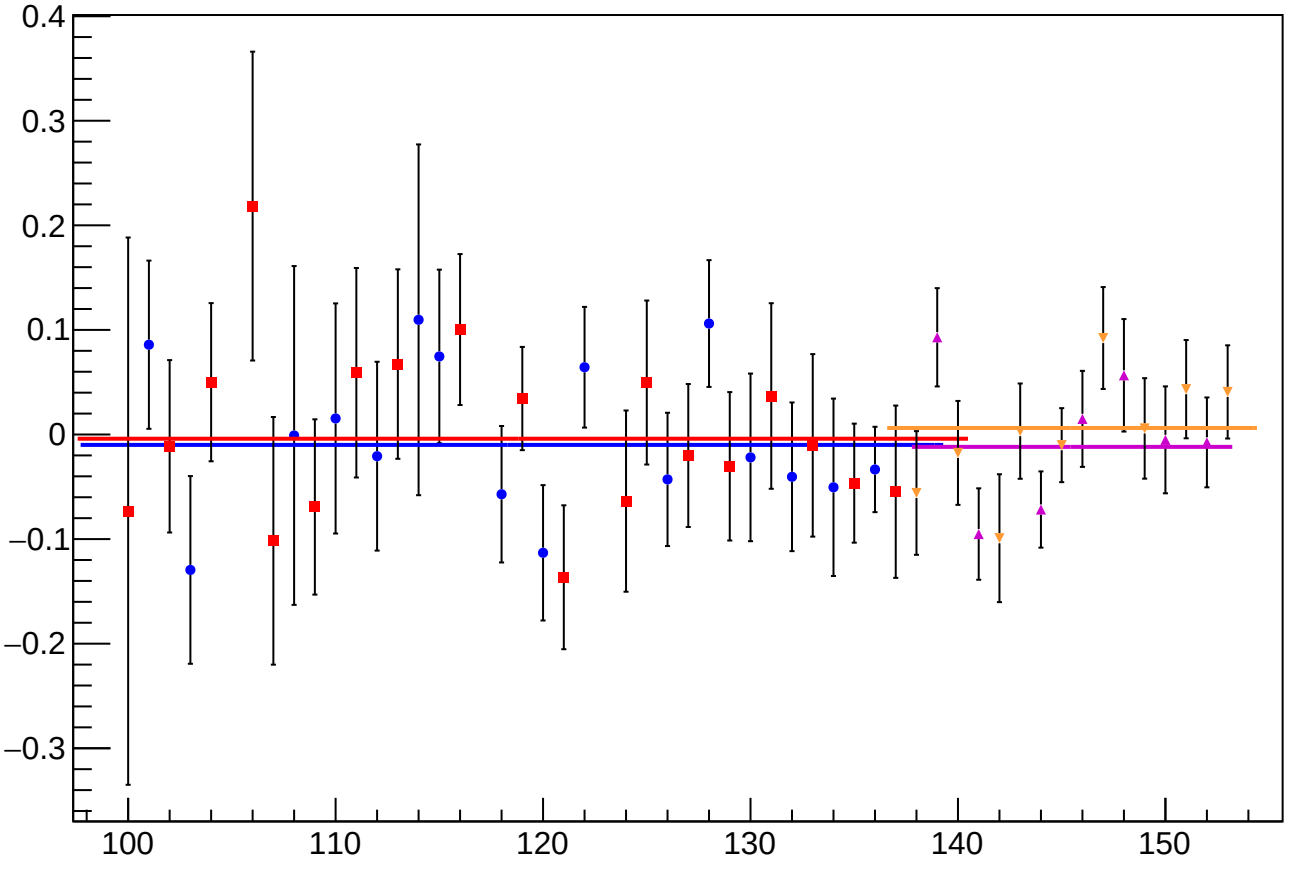
Right: -0.000+/-0.000 χ^2/NDF: 40.4/34

In: -0.000+/-0.000 χ^2/NDF:29.8/22

Out: -0.000+/-0.000 χ^2/NDF:23.1/27

All: -0.000+/-0.000 χ^2/NDF: 52.9/50


asym_sam_24_68_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1382311.2/15
Left Out: 0.000+/-0.000 χ²/NDF:513085.5/8
Right Out: 0.000+/-0.000 χ²/NDF: 660994.1/18
Left In: 0.000+/-0.000 χ²/NDF:802706.4/6
Left: 0.000+/-0.000 χ²/NDF: 1317708.3/15
Right: 0.000+/-0.000 χ²/NDF: 2430892.0/34
In: 0.000+/-0.000 χ²/NDF:3733343.4/22
Out: 0.000+/-0.000 χ²/NDF:4034948.3/27
All: 0.000+/-0.000 χ²/NDF: 7768354.6/50



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.016 χ^2/NDF:8.9/8

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.012+/-0.017 χ^2/NDF:13.3/6

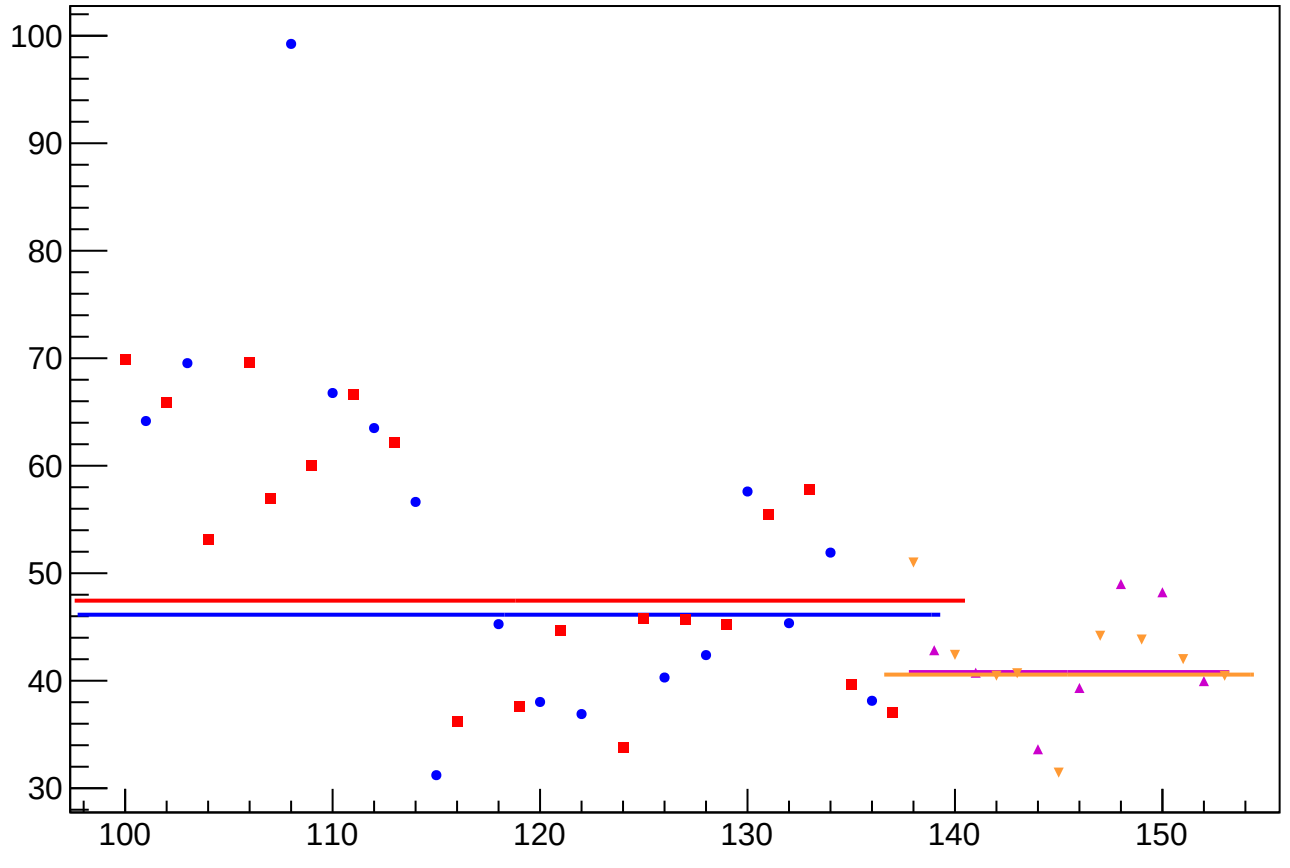
Left: -0.002+/-0.012 χ^2/NDF: 22.8/15

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.011+/-0.012 χ^2/NDF:27.5/22

Out: 0.002+/-0.012 χ^2/NDF:22.9/27

All: -0.004+/-0.009 χ^2/NDF: 51.0/50



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 40.571+/-0.011 χ^2/NDF:219956.2/8

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 40.807+/-0.012 χ^2/NDF:172821.7/6

Left: 40.680+/-0.008 χ^2/NDF: 392986.2/15

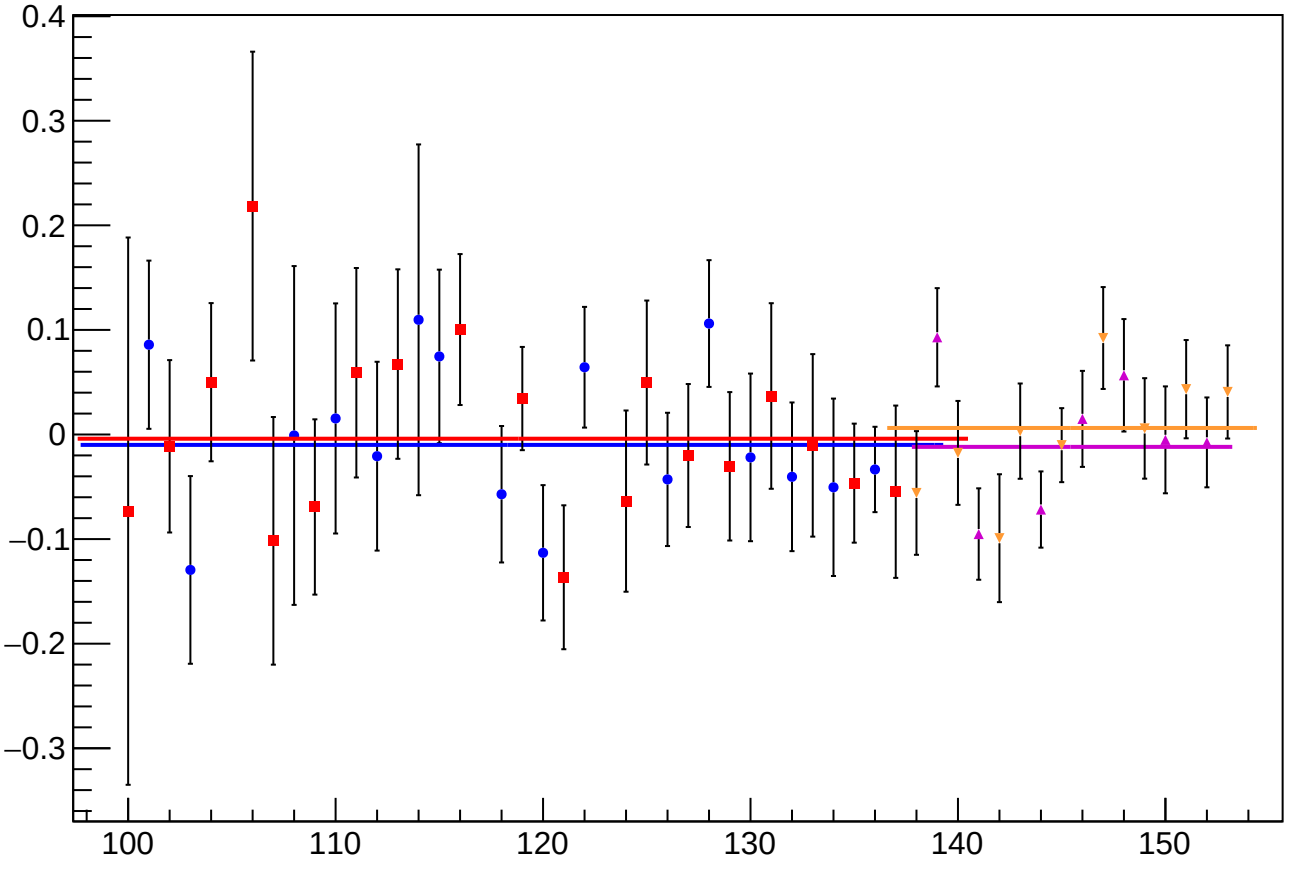
Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 43.318+/-0.009 χ^2/NDF:1169160.0/22

Out: 43.528+/-0.008 χ^2/NDF:1039461.0/27

All: 43.427+/-0.006 χ^2/NDF: 2208923.4/50

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.016 χ^2/NDF:8.9/8

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.012+/-0.017 χ^2/NDF:13.3/6

Left: -0.002+/-0.012 χ^2/NDF: 22.8/15

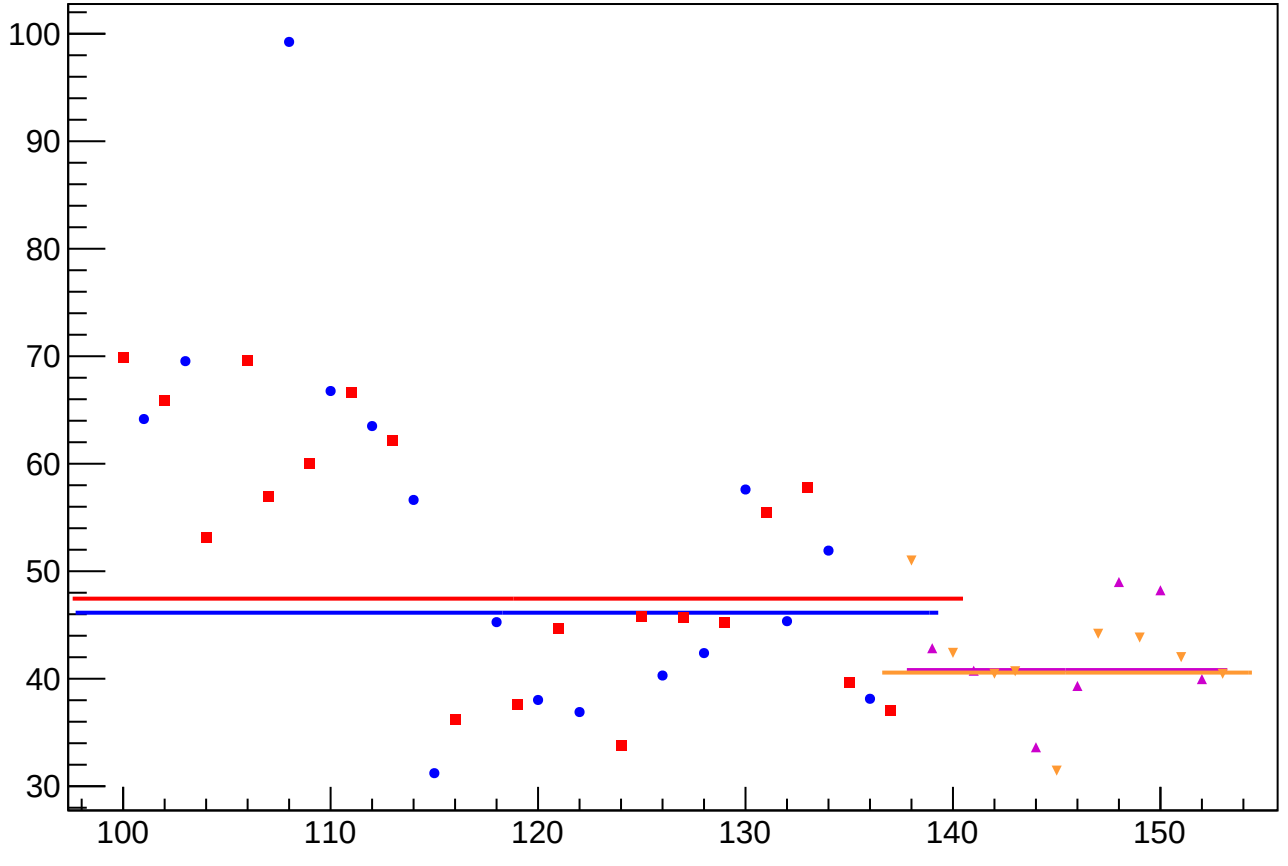
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.011+/-0.012 χ^2/NDF:27.5/22

Out: 0.002+/-0.012 χ^2/NDF:22.9/27

All: -0.004+/-0.009 χ^2/NDF: 51.0/50

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: 40.571+/-0.011 χ^2/NDF:219956.2/8

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 40.807+/-0.012 χ^2/NDF:172821.7/6

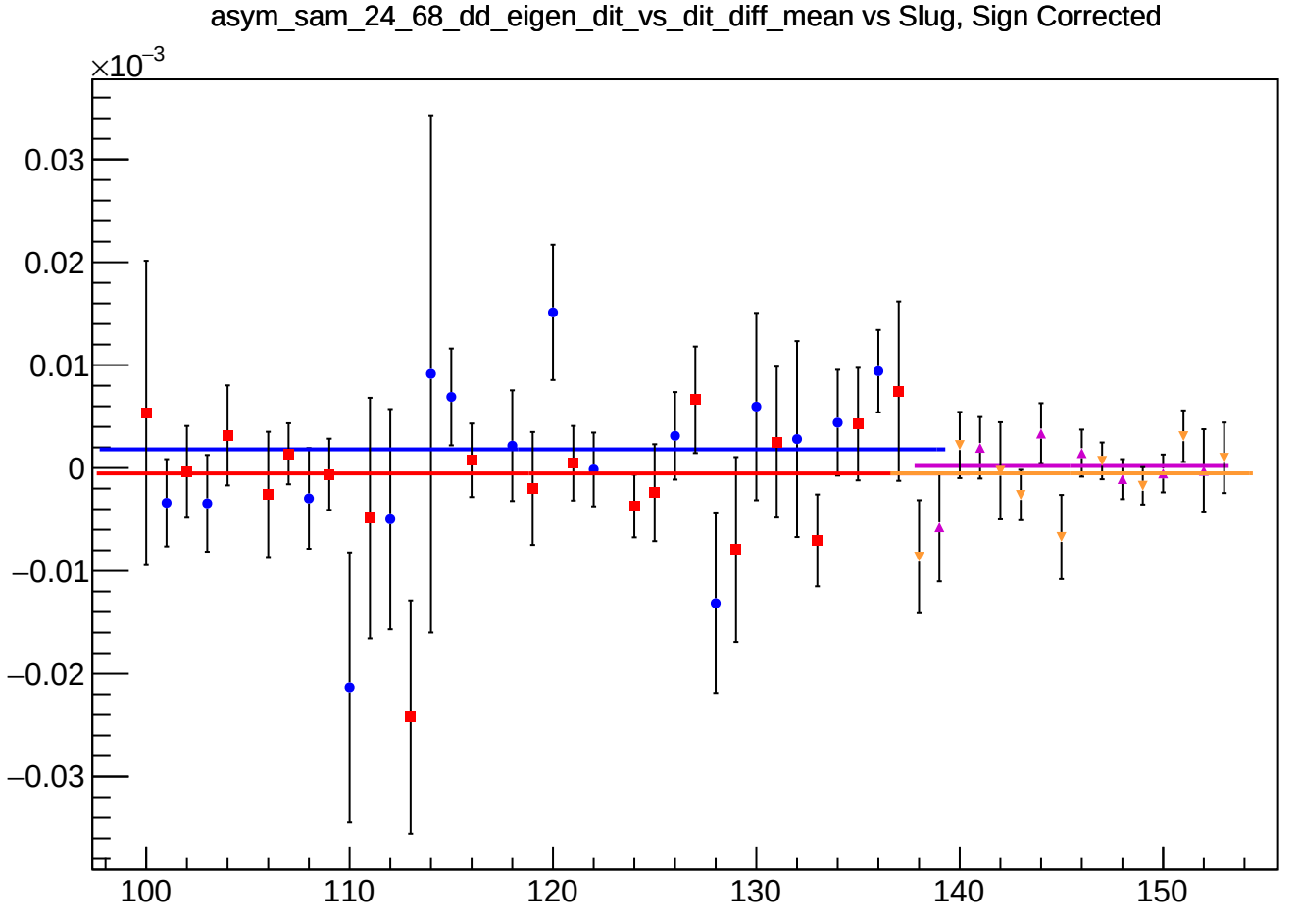
Left: 40.680+/-0.008 χ^2/NDF: 392986.2/15

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 43.318+/-0.009 χ^2/NDF:1169160.0/22

Out: 43.528+/-0.008 χ^2/NDF:1039461.0/27

All: 43.427+/-0.006 χ^2/NDF: 2208923.4/50



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.1/8

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:3.7/6

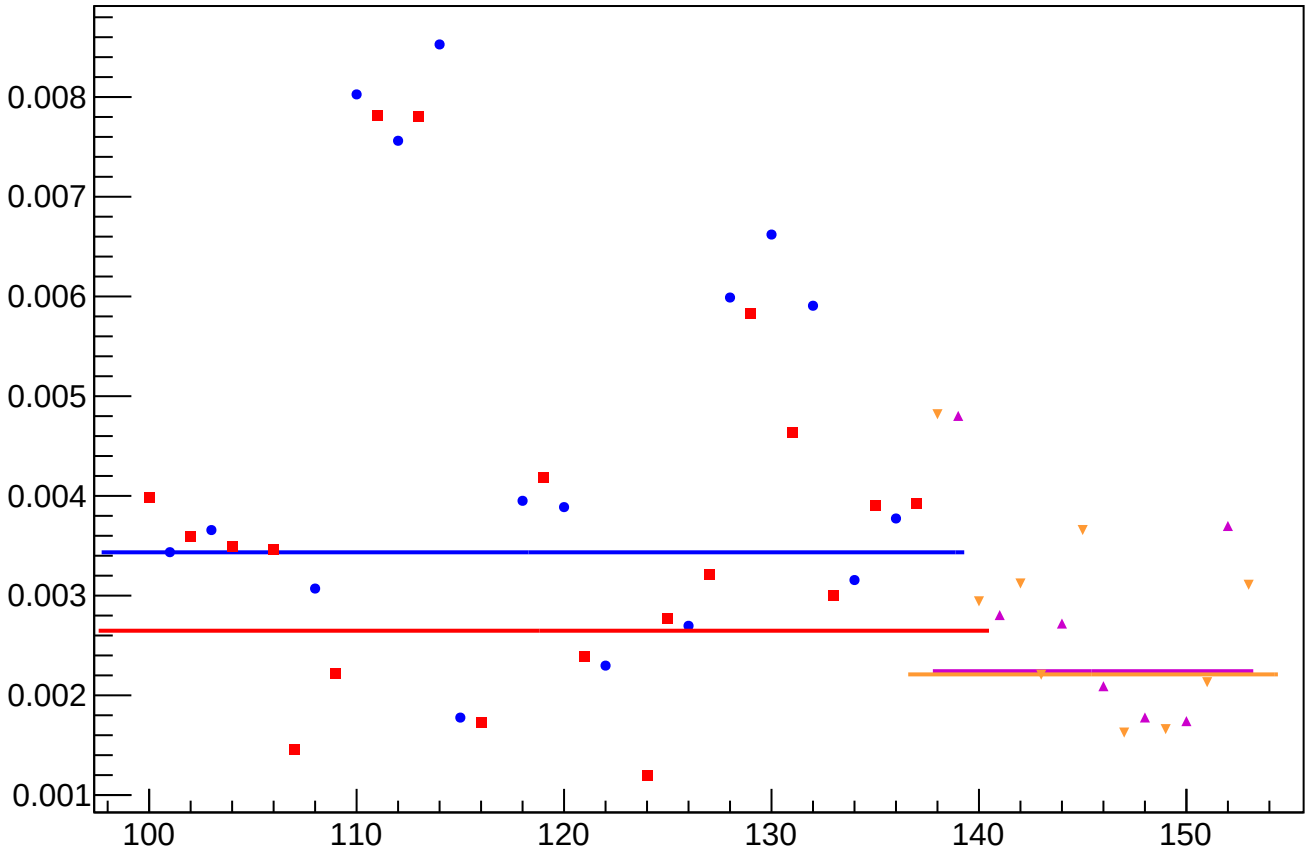
Left: -0.000+/-0.000 χ^2/NDF: 13.1/15

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:24.6/22

Out: -0.000+/-0.000 χ^2/NDF:22.9/27

All: 0.000+/-0.000 χ^2/NDF: 48.9/50



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1415334.1/8

Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.002+/-0.000 χ^2/NDF:1127097.8/6

Left: 0.002+/-0.000 χ^2/NDF: 2543630.0/15

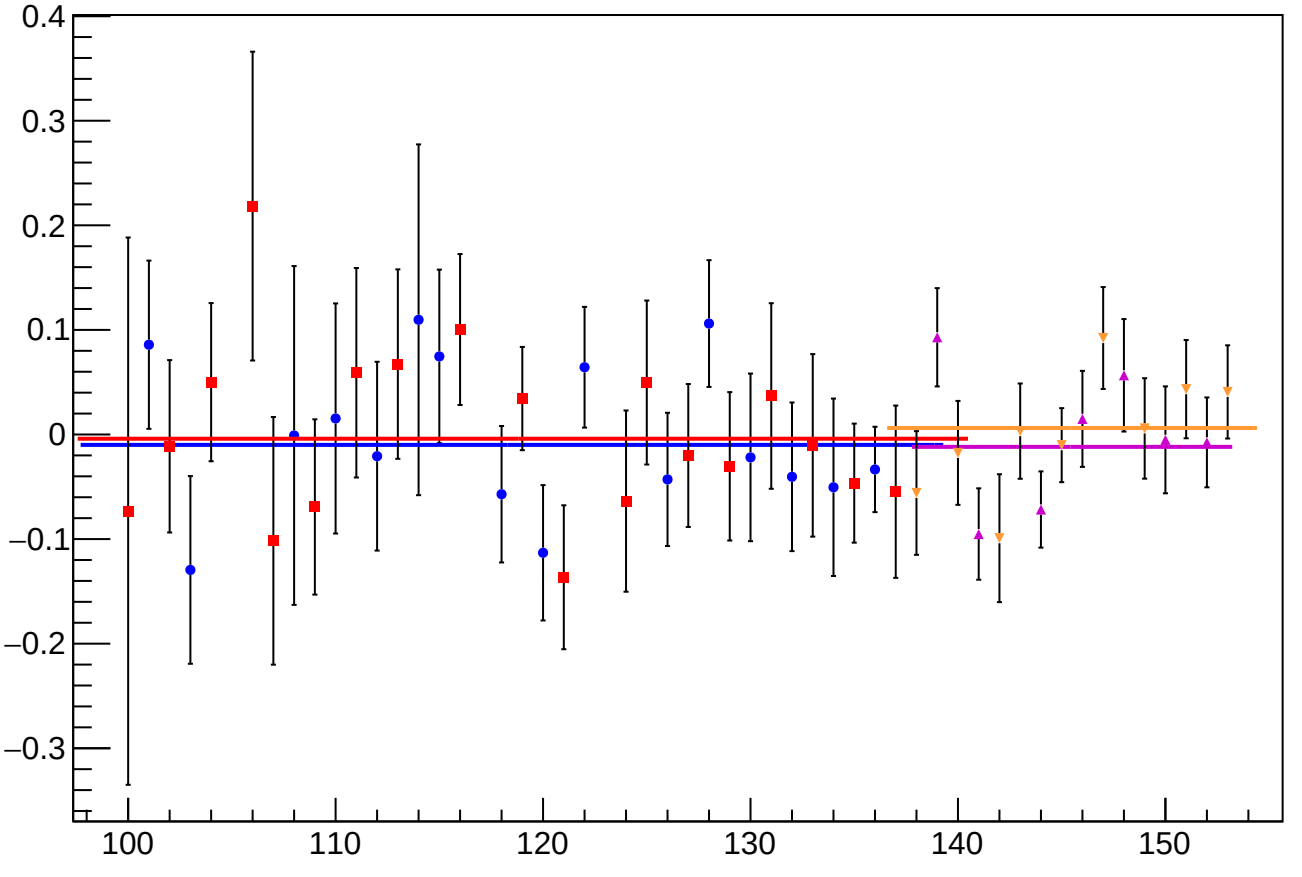
Right: 0.003+/-0.000 χ^2/NDF: 4848064.7/34

In: 0.003+/-0.000 χ^2/NDF:3885973.7/22

Out: 0.002+/-0.000 χ^2/NDF:4305896.2/27

All: 0.002+/-0.000 χ^2/NDF: 8306574.3/50

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+/-0.016 χ^2/NDF:8.9/8

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.012+/-0.017 χ^2/NDF:13.3/6

Left: -0.002+/-0.012 χ^2/NDF: 22.8/15

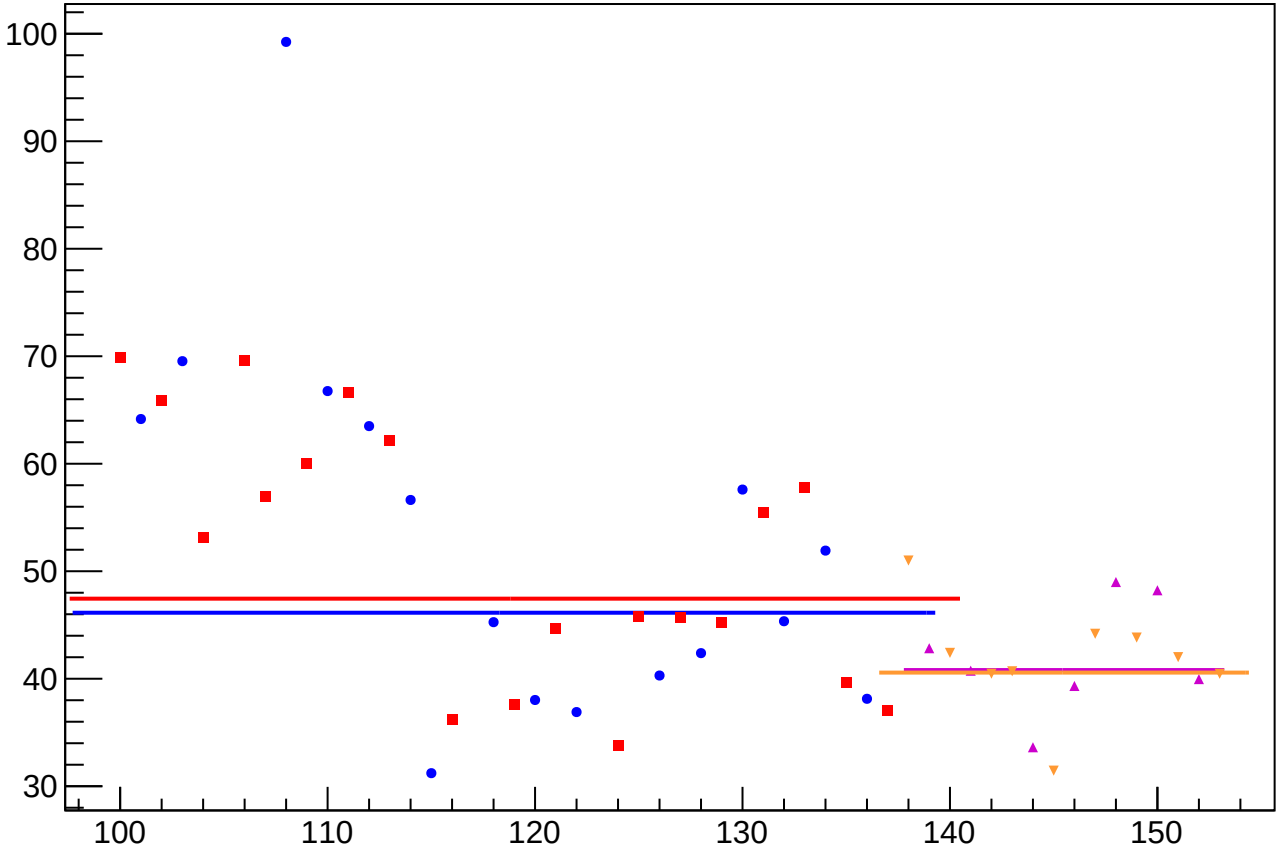
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.011+/-0.012 χ^2/NDF:27.5/22

Out: 0.002+/-0.012 χ^2/NDF:22.9/27

All: -0.004+/-0.009 χ^2/NDF: 51.0/50

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: 40.571+/-0.011 χ^2/NDF:219955.5/8

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 40.807+/-0.012 χ^2/NDF:172824.8/6

Left: 40.680+/-0.008 χ^2/NDF: 392988.2/15

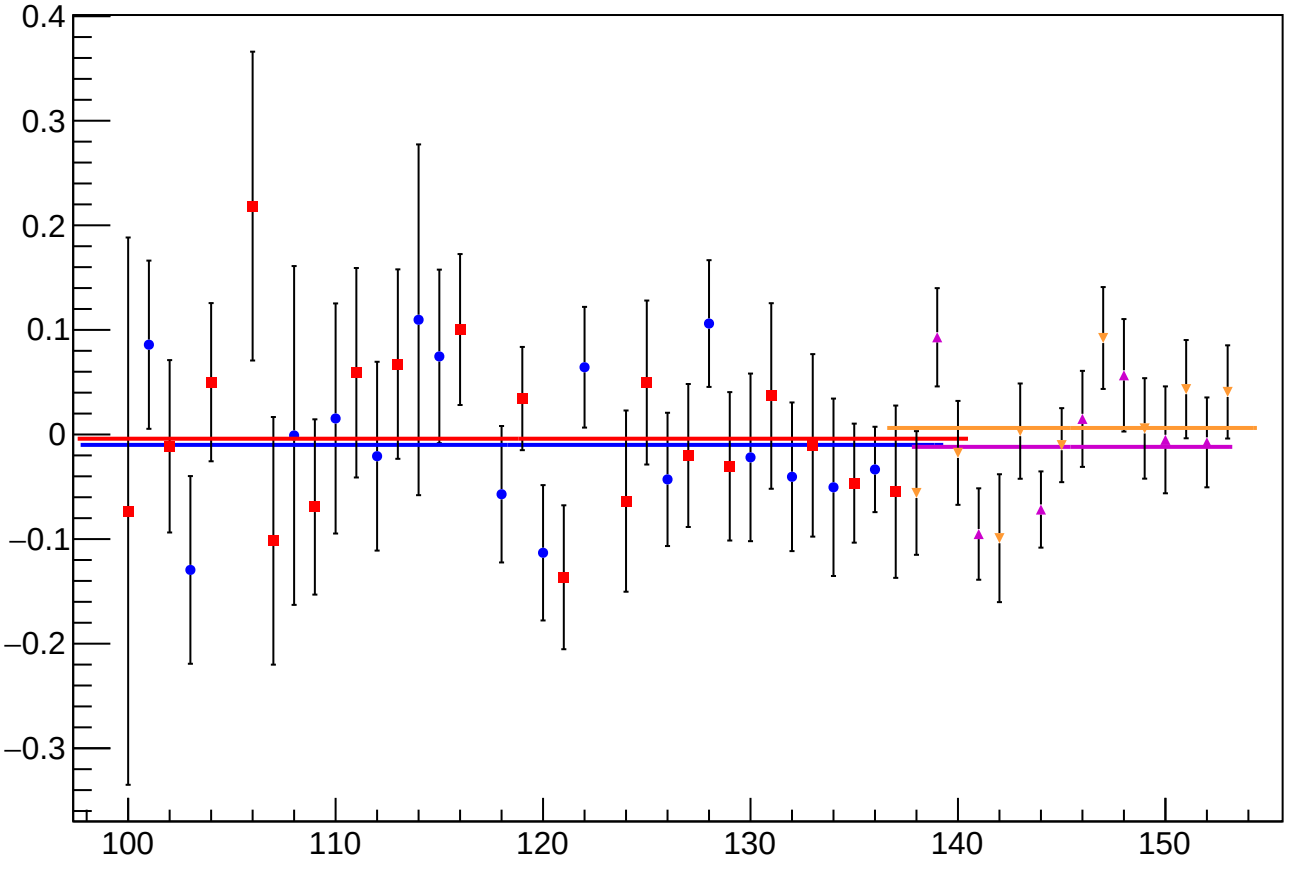
Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 43.317+/-0.009 χ^2/NDF:1169083.6/22

Out: 43.528+/-0.008 χ^2/NDF:1039389.9/27

All: 43.426+/-0.006 χ^2/NDF: 2208777.0/50

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+/-0.016 χ^2/NDF:8.9/8

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: -0.012+/-0.017 χ^2/NDF:13.3/6

Left: -0.002+/-0.012 χ^2/NDF: 22.8/15

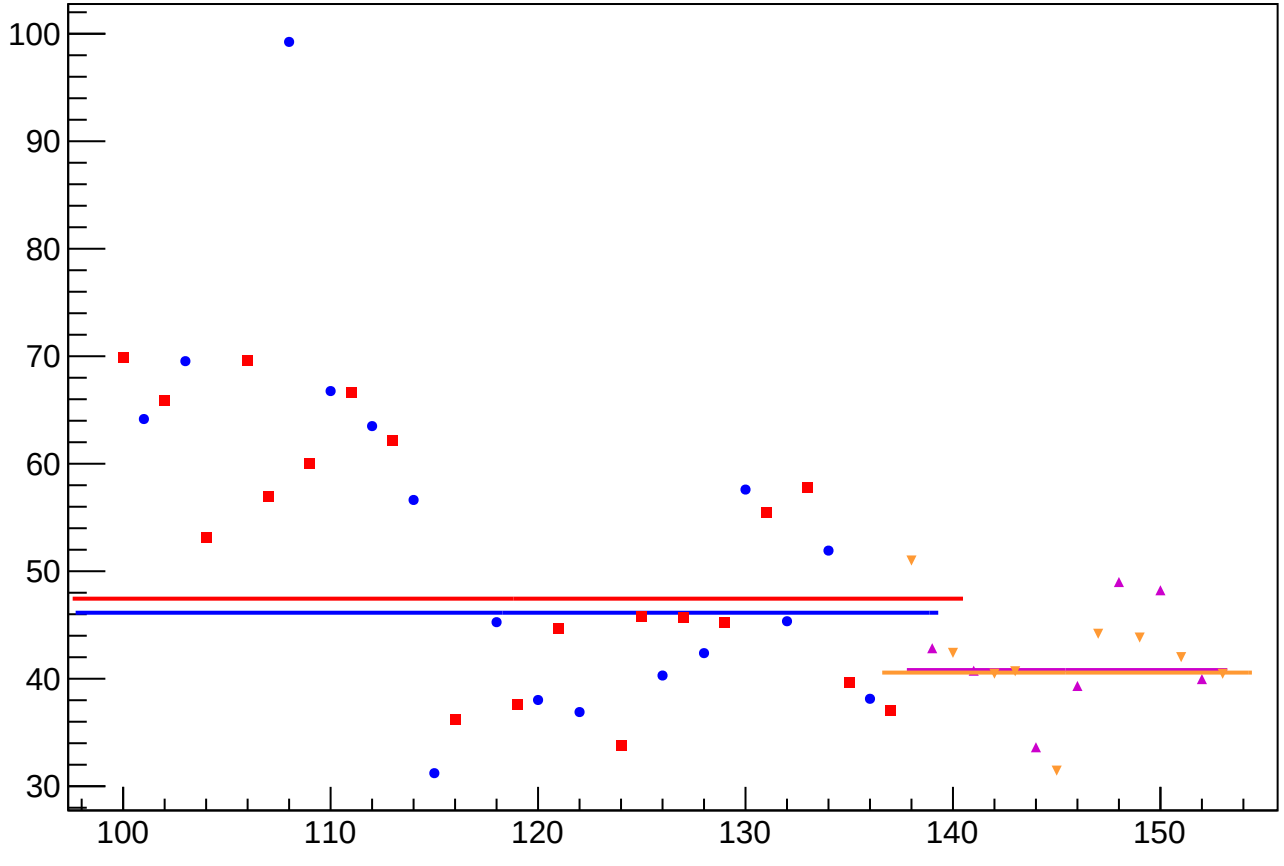
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.011+/-0.012 χ^2/NDF:27.5/22

Out: 0.002+/-0.012 χ^2/NDF:22.9/27

All: -0.004+/-0.009 χ^2/NDF: 51.0/50

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: 40.571+/-0.011 χ^2/NDF:219955.5/8

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 40.807+/-0.012 χ^2/NDF:172824.8/6

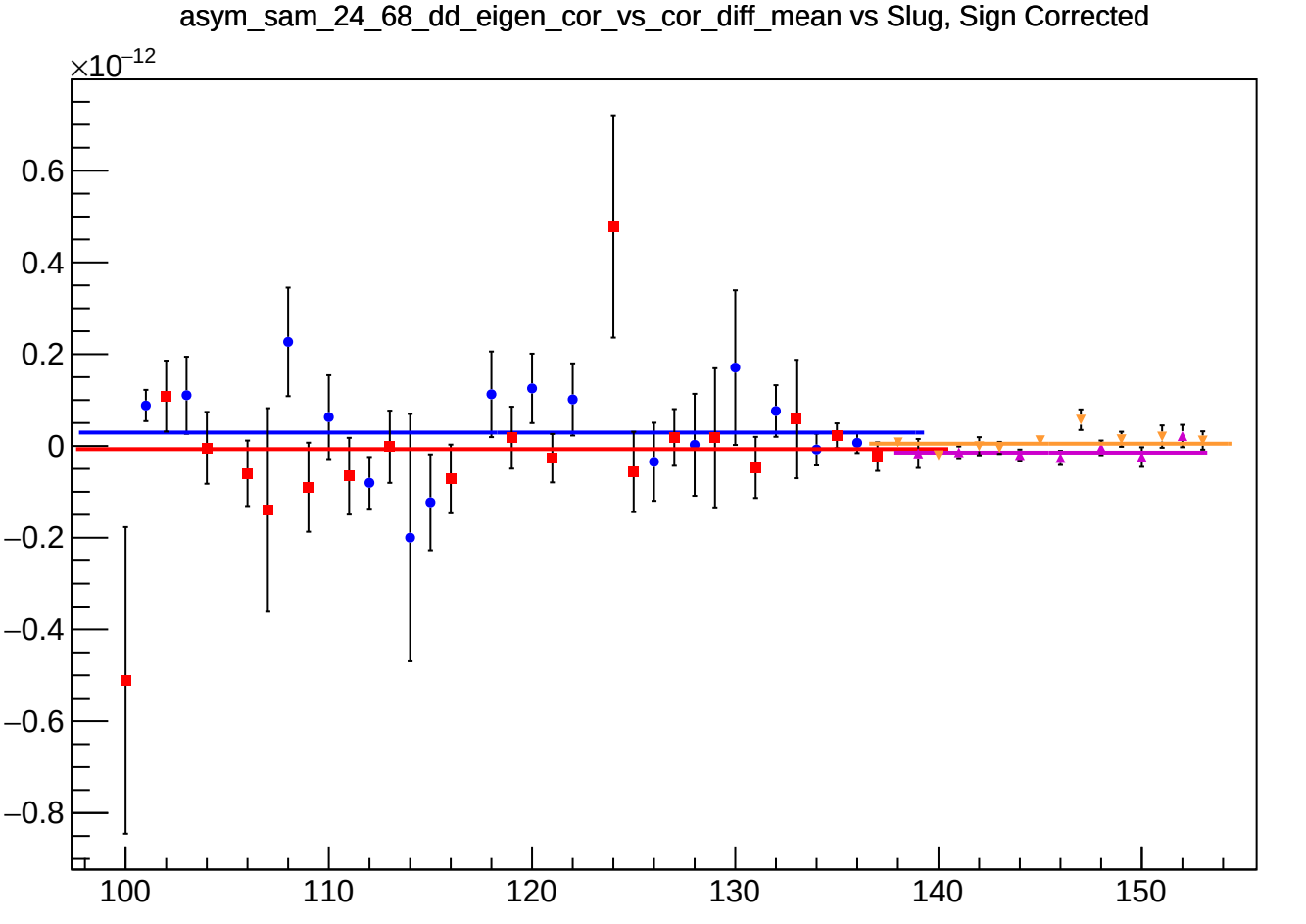
Left: 40.680+/-0.008 χ^2/NDF: 392988.2/15

Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 43.317+/-0.009 χ^2/NDF:1169083.6/22

Out: 43.528+/-0.008 χ^2/NDF:1039389.9/27

All: 43.426+/-0.006 χ^2/NDF: 2208777.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.3/8

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:3.6/6

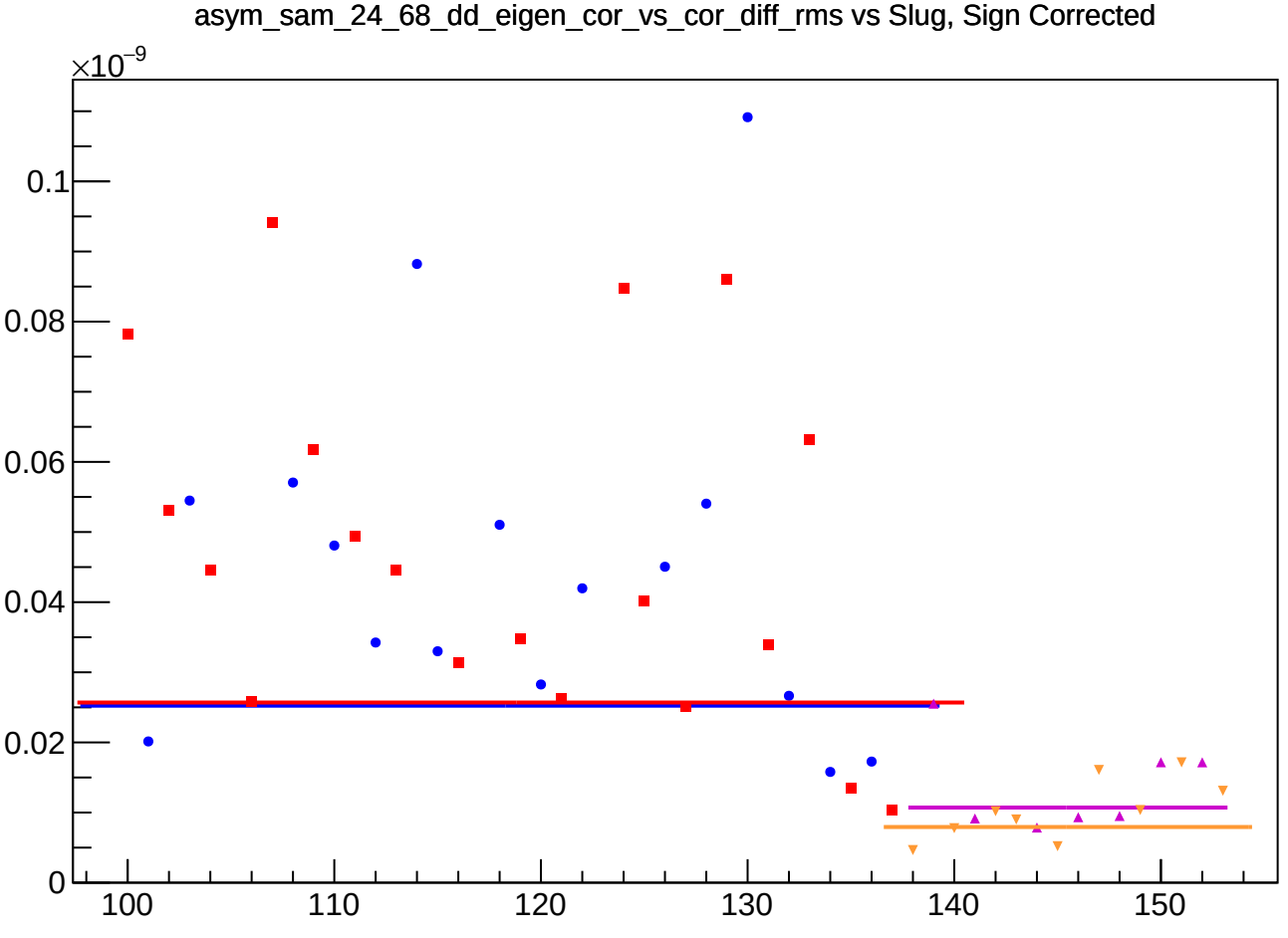
Left: -0.000+/-0.000 χ^2/NDF: 23.4/15

Right: 0.000+/-0.000 χ^2/NDF: 38.5/34

In: -0.000+/-0.000 χ^2/NDF:33.2/22

Out: 0.000+/-0.000 χ^2/NDF:28.2/27

All: -0.000+/-0.000 χ^2/NDF: 63.8/50



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1160263.9/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

Left In: 0.000+/-0.000 χ^2/NDF:933407.7/6

Left: 0.000+/-0.000 χ^2/NDF: 2354391.2/15

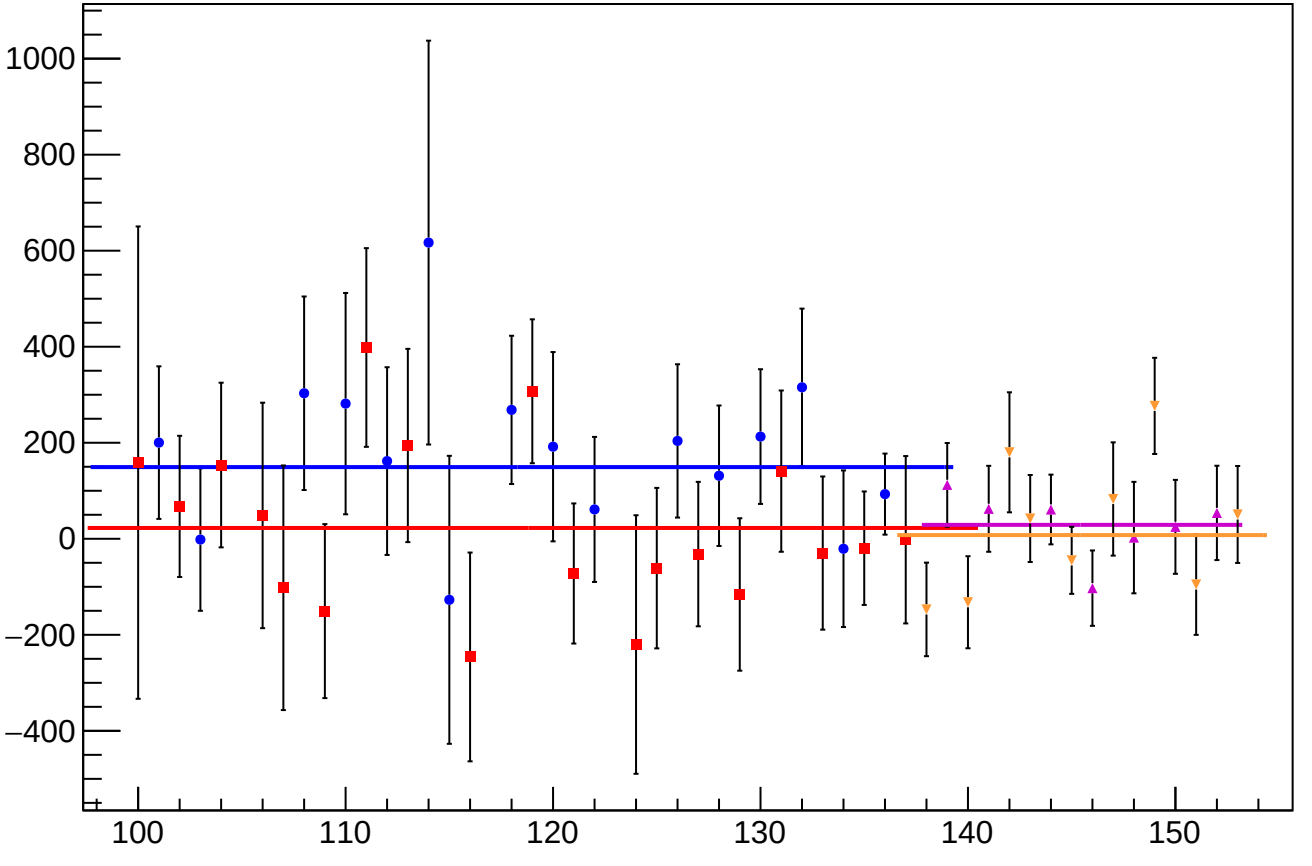
Right: 0.000+/-0.000 χ^2/NDF: 4909837.4/34

In: 0.000+/-0.000 χ^2/NDF:4960446.2/22

Out: 0.000+/-0.000 χ^2/NDF:6734837.3/27

All: 0.000+/-0.000 χ^2/NDF: 12230979.9/50

reg_asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: 7.696+/-32.175 χ^2/NDF:16.0/8

Right Out: 22.549+/-40.100 χ^2/NDF: 14.2/18

Left In: 28.993+/-33.503 χ^2/NDF:4.2/6

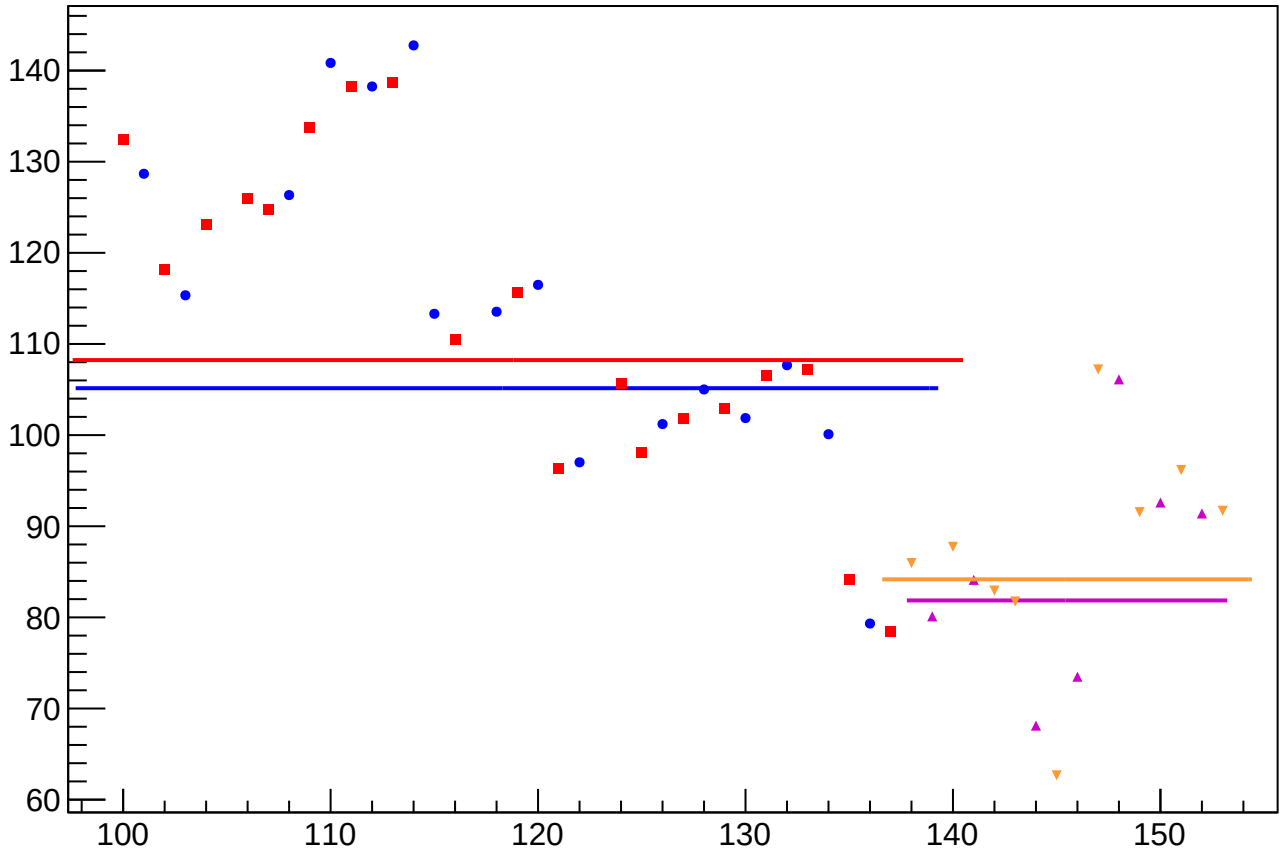
Left: 17.914+/-23.206 χ^2/NDF: 20.4/15

Right: 86.583+/-28.208 χ^2/NDF: 27.3/34

In: 79.054+/-25.601 χ^2/NDF:17.6/22

Out: 13.513+/-25.096 χ^2/NDF:30.3/27

All: 45.631+/-17.921 χ^2/NDF: 51.2/50



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 84.173+/-0.023 χ^2/NDF:319502.4/8

Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 81.859+/-0.024 χ^2/NDF:226764.4/6

Left: 83.063+/-0.016 χ^2/NDF: 551229.4/15

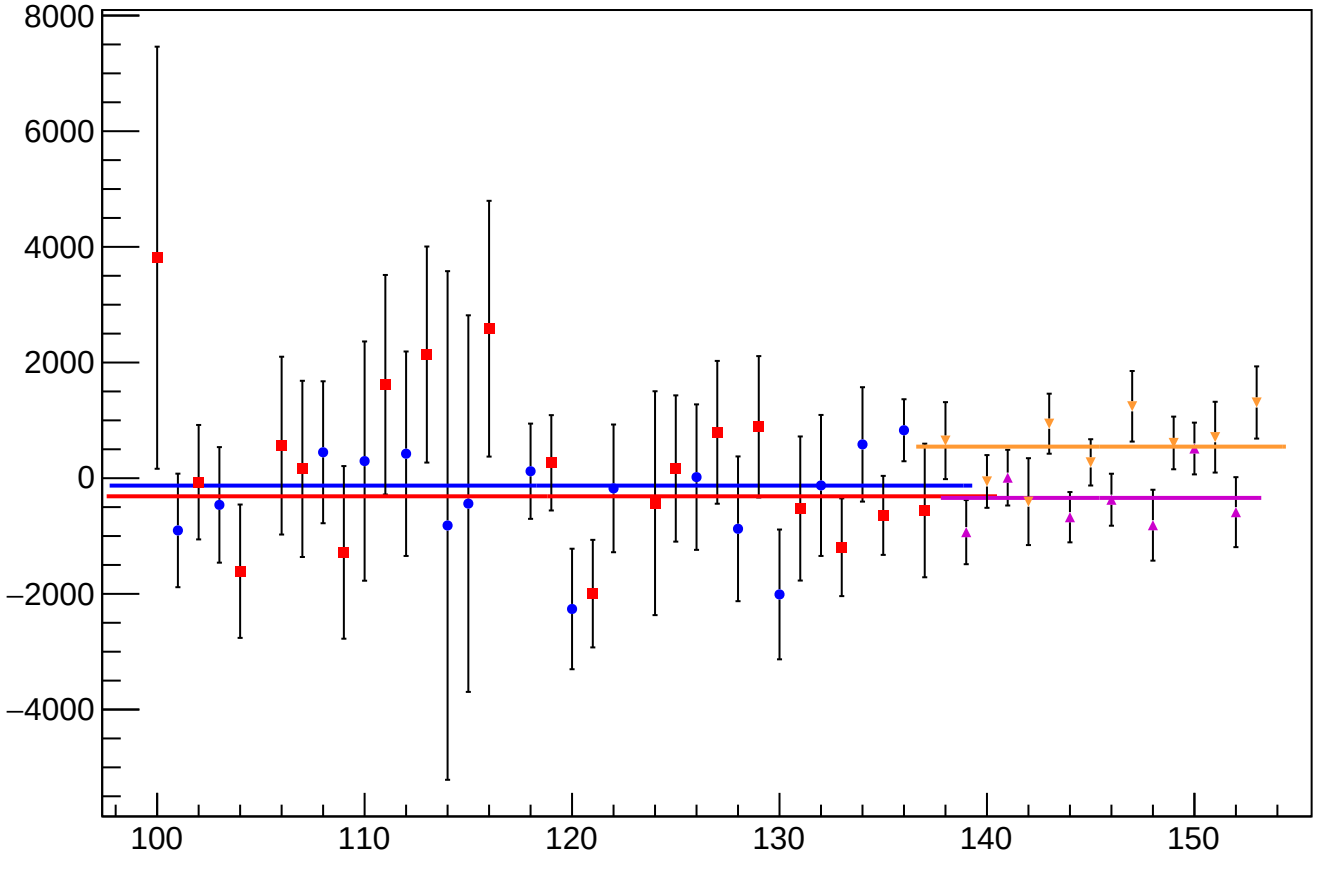
Right: 106.674+/-0.020 χ^2/NDF: 764328.3/34

In: 91.549+/-0.018 χ^2/NDF:1037234.0/22

Out: 93.596+/-0.018 χ^2/NDF:1107430.4/27

All: 92.593+/-0.013 χ^2/NDF: 2151185.4/50

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: 545.929+/-178.058 χ^2/NDF:7.3/8

Right Out: -313.031+/-270.131 χ^2/NDF: 15.0/18

Left In: -340.761+/-188.350 χ^2/NDF:6.7/6

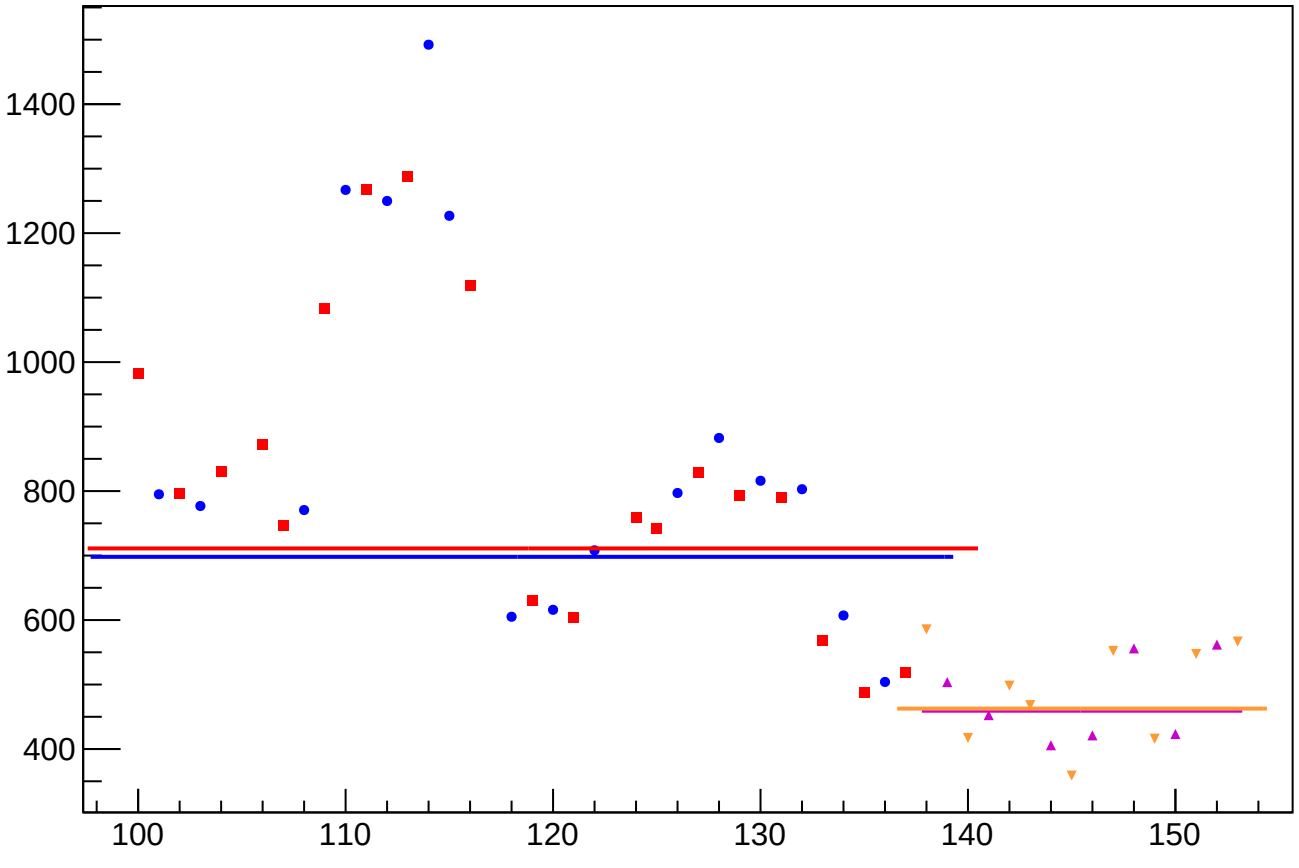
Left: 127.470+/-129.392 χ^2/NDF: 25.7/15

Right: -220.022+/-190.472 χ^2/NDF: 27.5/34

In: -270.650+/-154.216 χ^2/NDF:19.4/22

Out: 285.761+/-148.667 χ^2/NDF:29.4/27

All: 17.745+/-107.031 χ^2/NDF: 55.5/50



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 462.679+/-0.126 χ^2/NDF:385265.6/8

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

Left In: 459.427+/-0.133 χ^2/NDF:178186.7/6

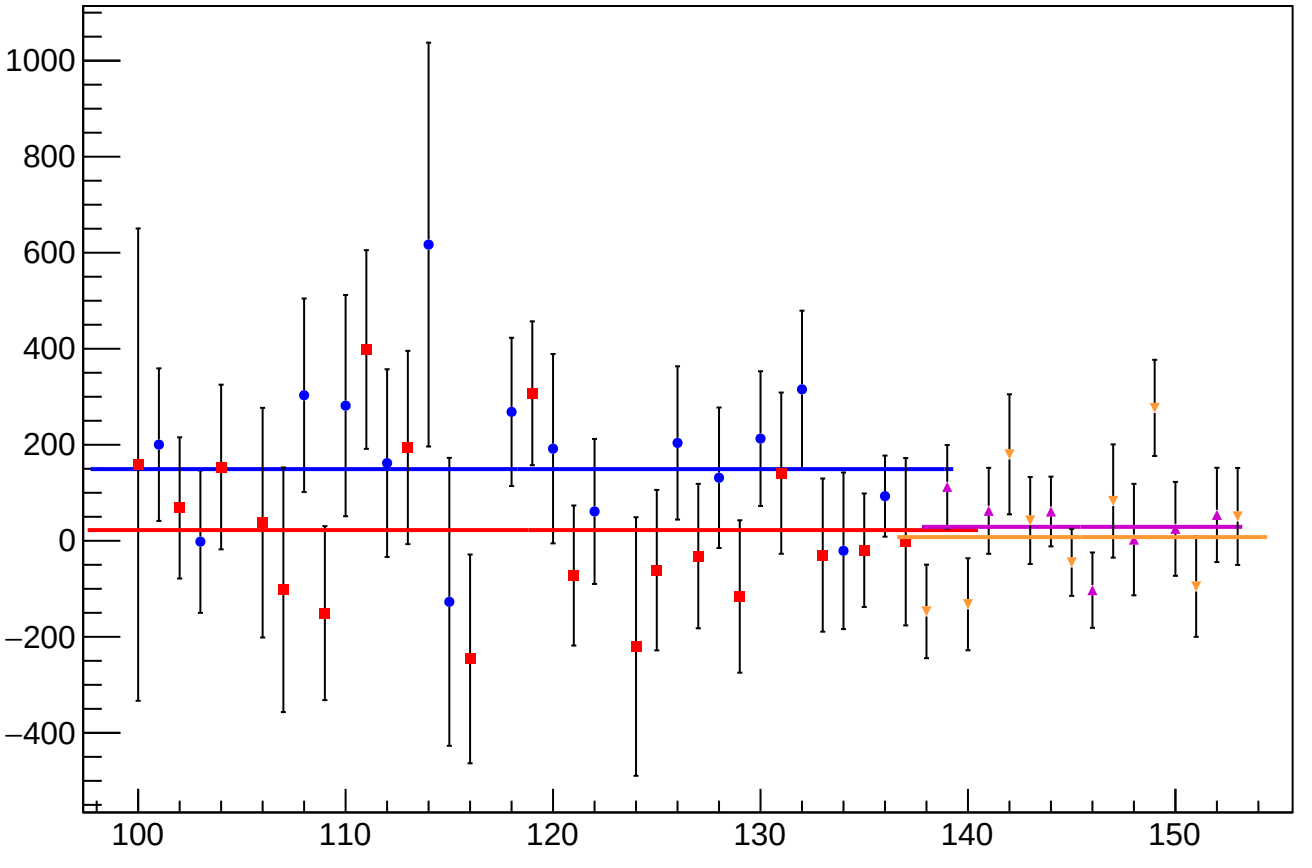
Left: 461.144+/-0.091 χ^2/NDF: 563767.1/15

Right: 704.534+/-0.135 χ^2/NDF: 1950310.9/34

In: 538.083+/-0.109 χ^2/NDF:2149186.0/22

Out: 537.919+/-0.105 χ^2/NDF:2599395.9/27

All: 537.998+/-0.076 χ^2/NDF: 4748583.1/50



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: 7.692+/-32.175 χ^2/NDF:16.0/8

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: 28.991+/-33.503 χ^2/NDF:4.2/6

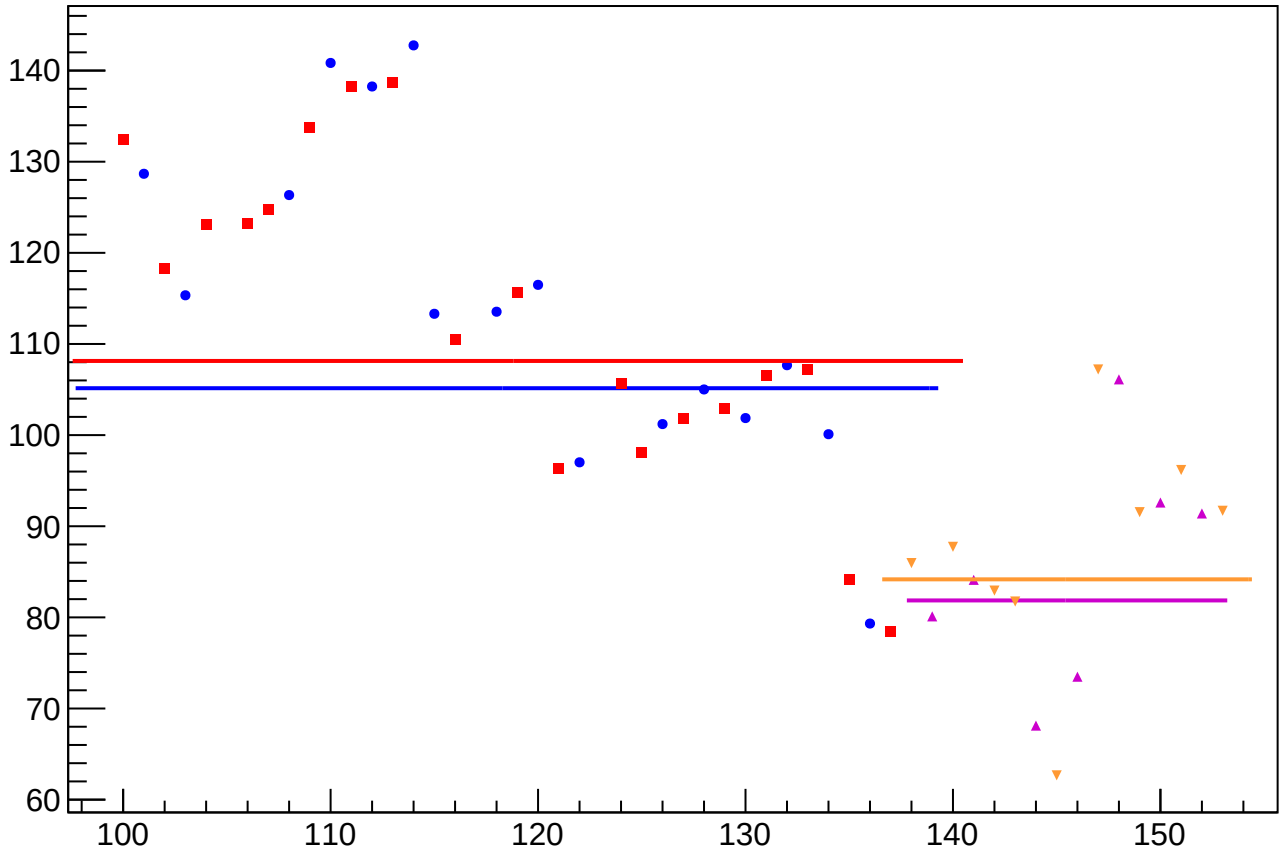
Left: 17.911+/-23.206 χ^2/NDF: 20.4/15

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 79.049+/-25.601 χ^2/NDF:17.6/22

Out: 13.408+/-25.101 χ^2/NDF:30.3/27

All: 45.582+/-17.923 χ^2/NDF: 51.3/50



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 84.173+/-0.023 χ^2/NDF:319502.4/8

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 81.859+/-0.024 χ^2/NDF:226764.4/6

Left: 83.063+/-0.016 χ^2/NDF: 551229.4/15

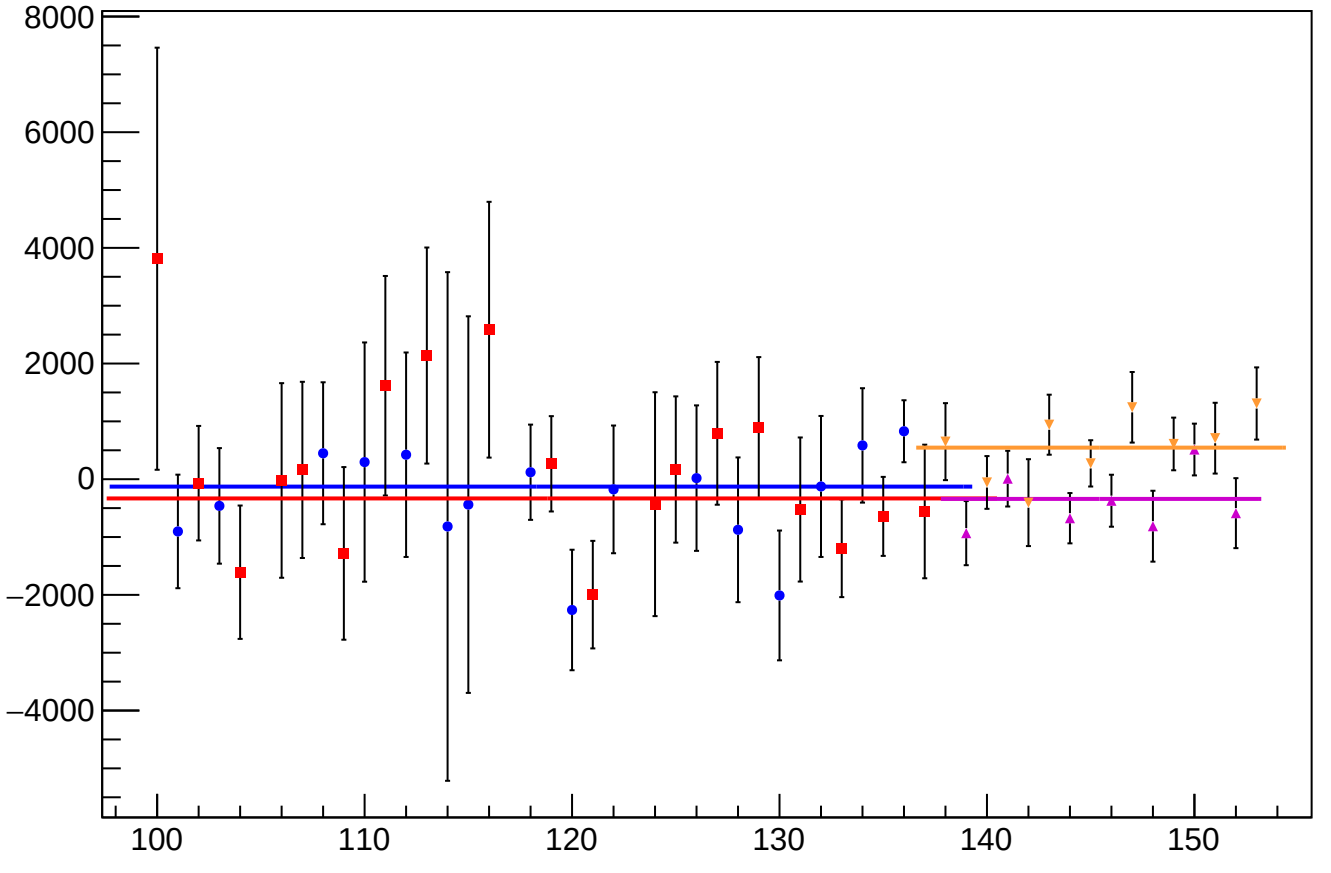
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 91.549+/-0.018 χ^2/NDF:1037234.3/22

Out: 93.552+/-0.018 χ^2/NDF:1100022.7/27

All: 92.570+/-0.013 χ^2/NDF: 2143499.2/50

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: 545.929+/-178.058 χ^2/NDF:7.3/8

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -340.761+/-188.350 χ^2/NDF:6.7/6

Left: 127.470+/-129.392 χ^2/NDF: 25.7/15

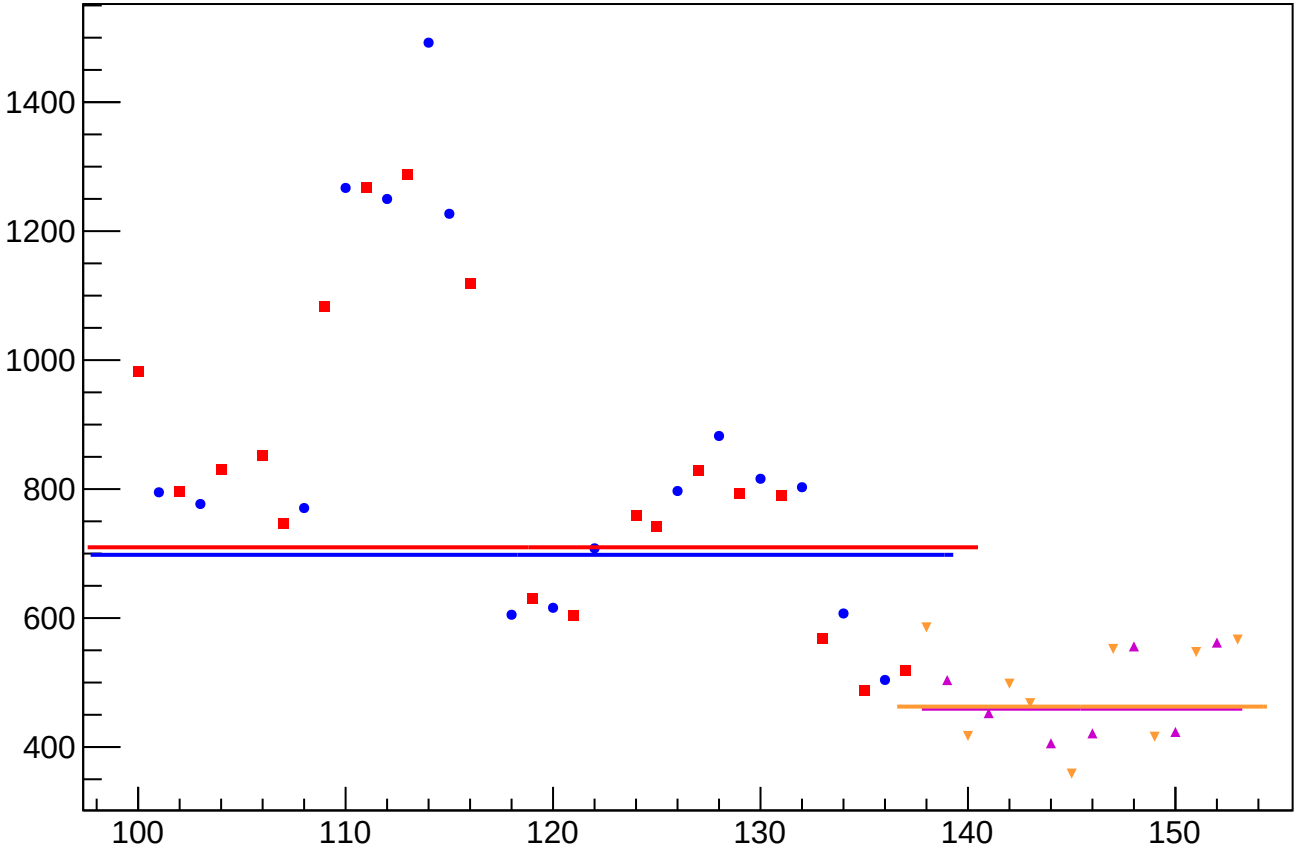
Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -270.647+/-154.216 χ^2/NDF:19.4/22

Out: 280.780+/-148.784 χ^2/NDF:29.4/27

All: 14.948+/-107.075 χ^2/NDF: 55.4/50

asym_sam_26_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 462.679+/-0.126 χ^2/NDF:385267.0/8

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 459.427+/-0.133 χ^2/NDF:178185.3/6

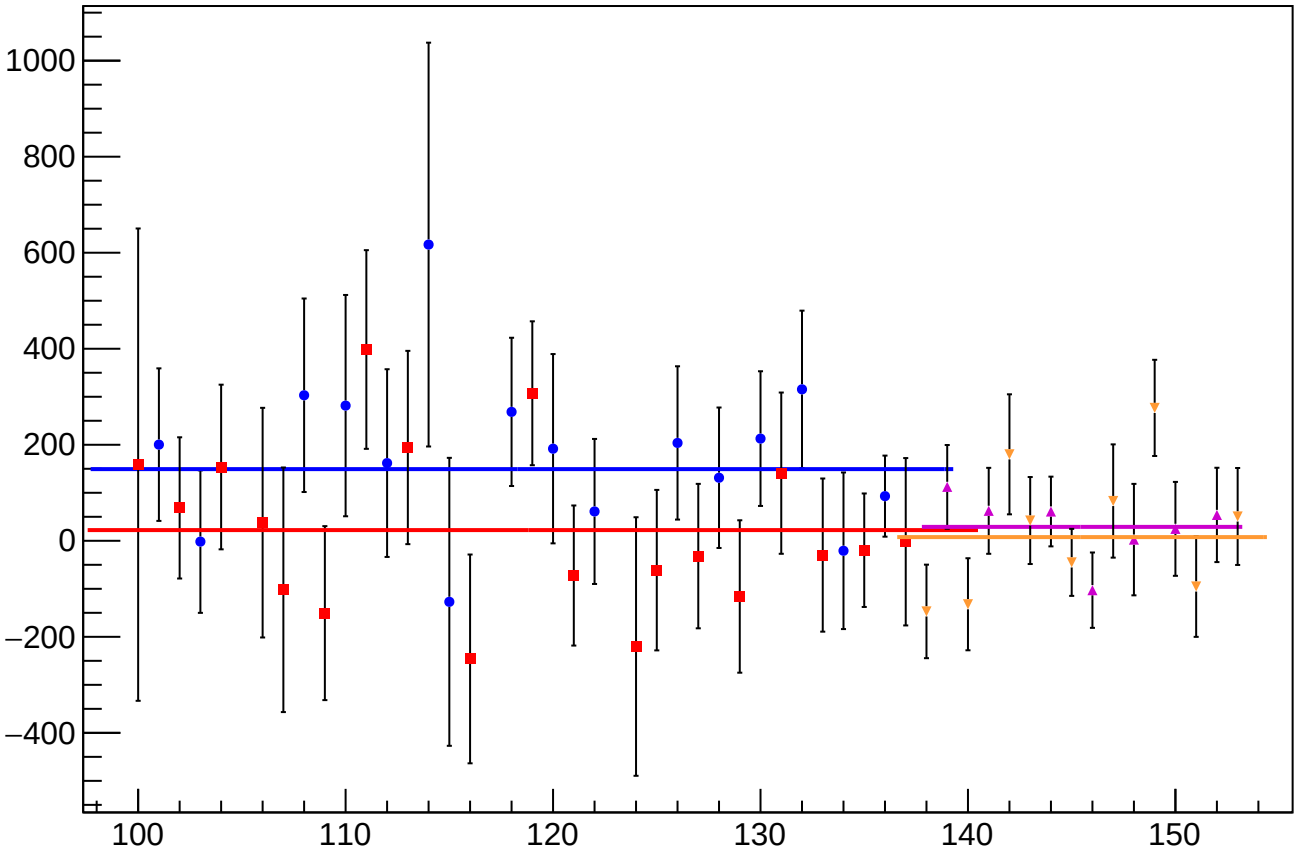
Left: 461.145+/-0.091 χ^2/NDF: 563767.1/15

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 538.083+/-0.109 χ^2/NDF:2149196.4/22

Out: 537.242+/-0.105 χ^2/NDF:2574481.9/27

All: 537.647+/-0.076 χ^2/NDF: 4723709.1/50



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: 7.692+/-32.175 χ^2/NDF:16.0/8

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: 28.991+/-33.503 χ^2/NDF:4.2/6

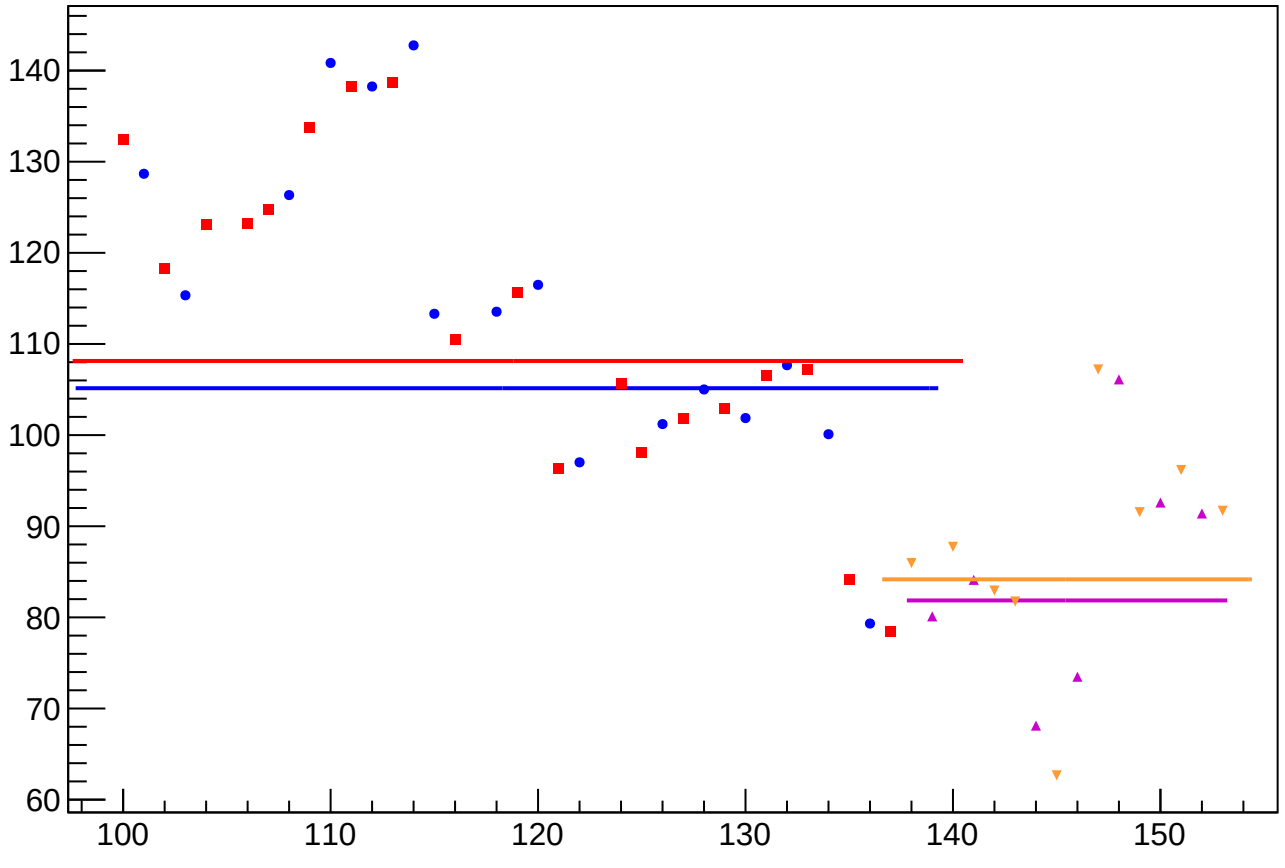
Left: 17.911+/-23.206 χ^2/NDF: 20.4/15

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 79.049+/-25.601 χ^2/NDF:17.6/22

Out: 13.408+/-25.101 χ^2/NDF:30.3/27

All: 45.582+/-17.923 χ^2/NDF: 51.3/50



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 84.173+/-0.023 χ^2/NDF:319502.4/8

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 81.859+/-0.024 χ^2/NDF:226764.4/6

Left: 83.063+/-0.016 χ^2/NDF: 551229.4/15

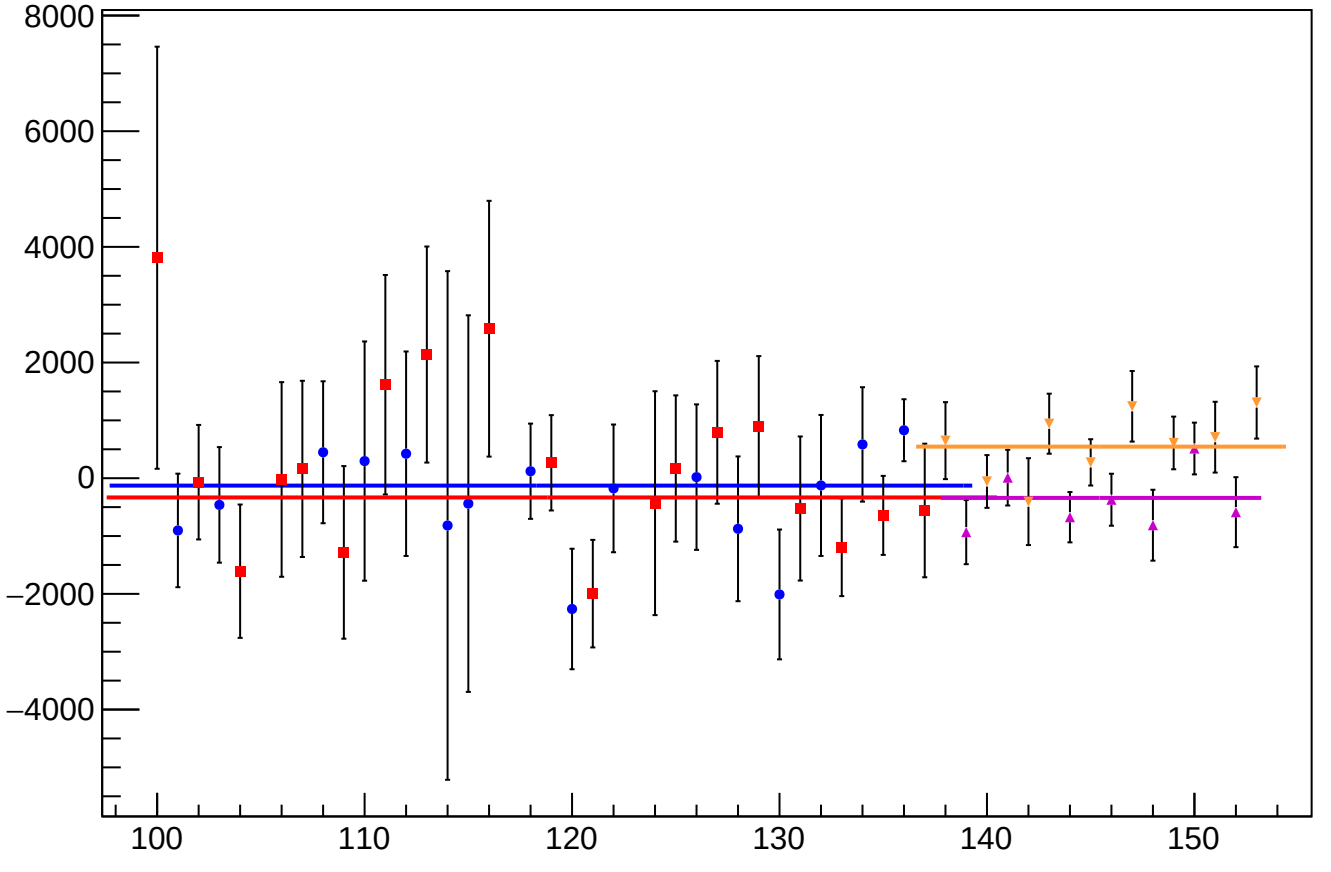
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 91.549+/-0.018 χ^2/NDF:1037234.3/22

Out: 93.552+/-0.018 χ^2/NDF:1100022.7/27

All: 92.570+/-0.013 χ^2/NDF: 2143499.2/50

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: 545.929+/-178.058 χ^2/NDF:7.3/8

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -340.761+/-188.350 χ^2/NDF:6.7/6

Left: 127.470+/-129.392 χ^2/NDF: 25.7/15

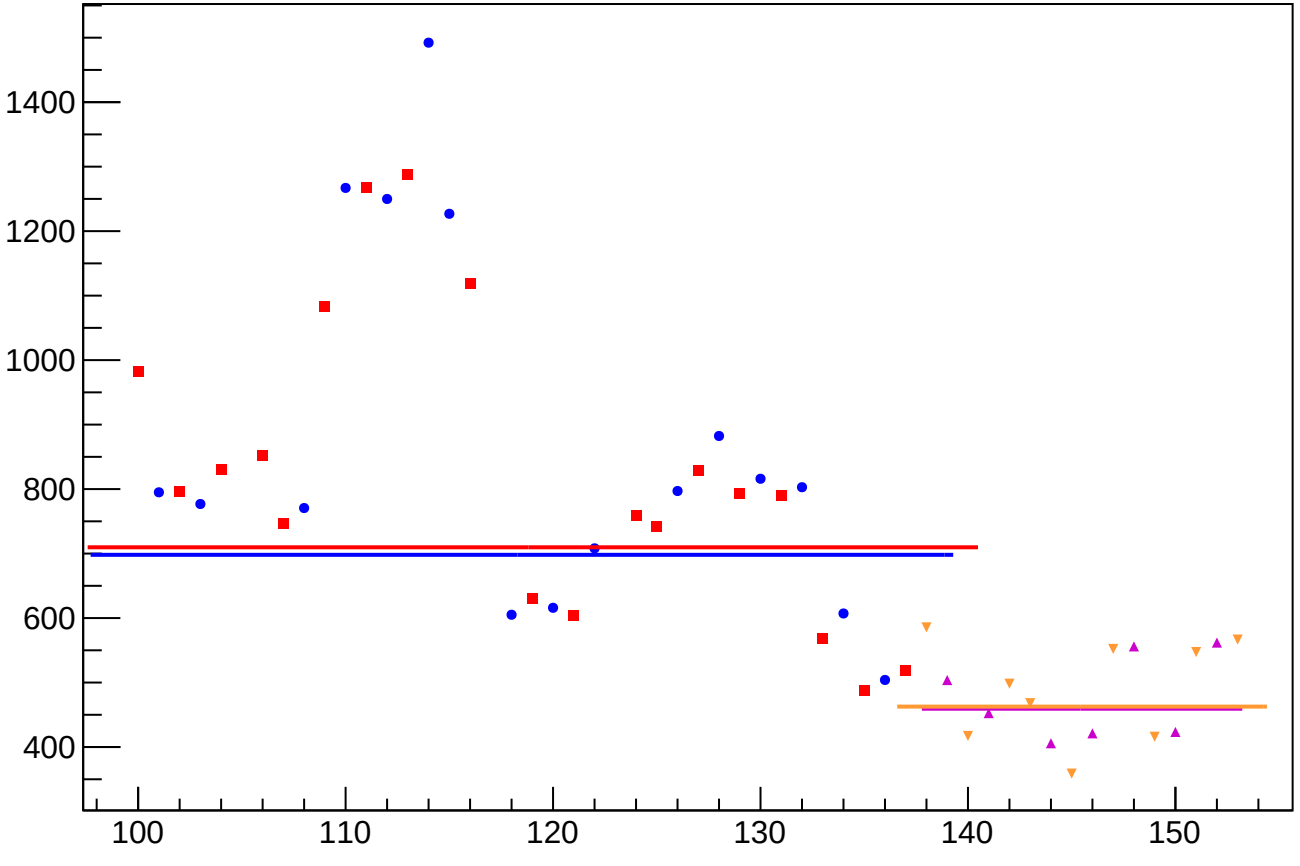
Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -270.647+/-154.216 χ^2/NDF:19.4/22

Out: 280.780+/-148.784 χ^2/NDF:29.4/27

All: 14.948+/-107.075 χ^2/NDF: 55.4/50

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 462.679+/-0.126 χ^2/NDF:385267.0/8

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 459.427+/-0.133 χ^2/NDF:178185.3/6

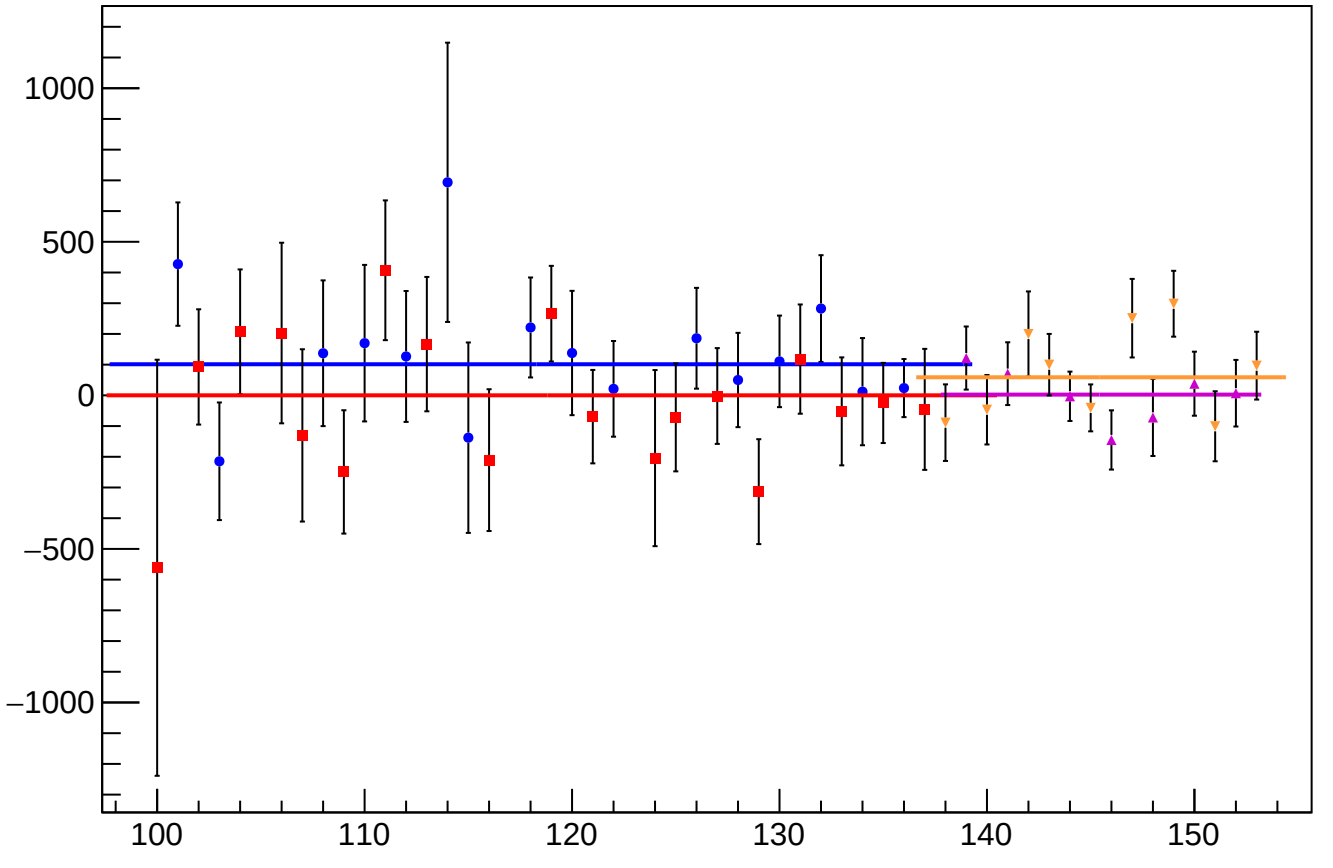
Left: 461.145+/-0.091 χ^2/NDF: 563767.1/15

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 538.083+/-0.109 χ^2/NDF:2149196.4/22

Out: 537.242+/-0.105 χ^2/NDF:2574481.9/27

All: 537.647+/-0.076 χ^2/NDF: 4723709.1/50



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: 58.867+/-35.976 χ^2/NDF:14.5/8

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: 2.466+/-37.971 χ^2/NDF:4.6/6

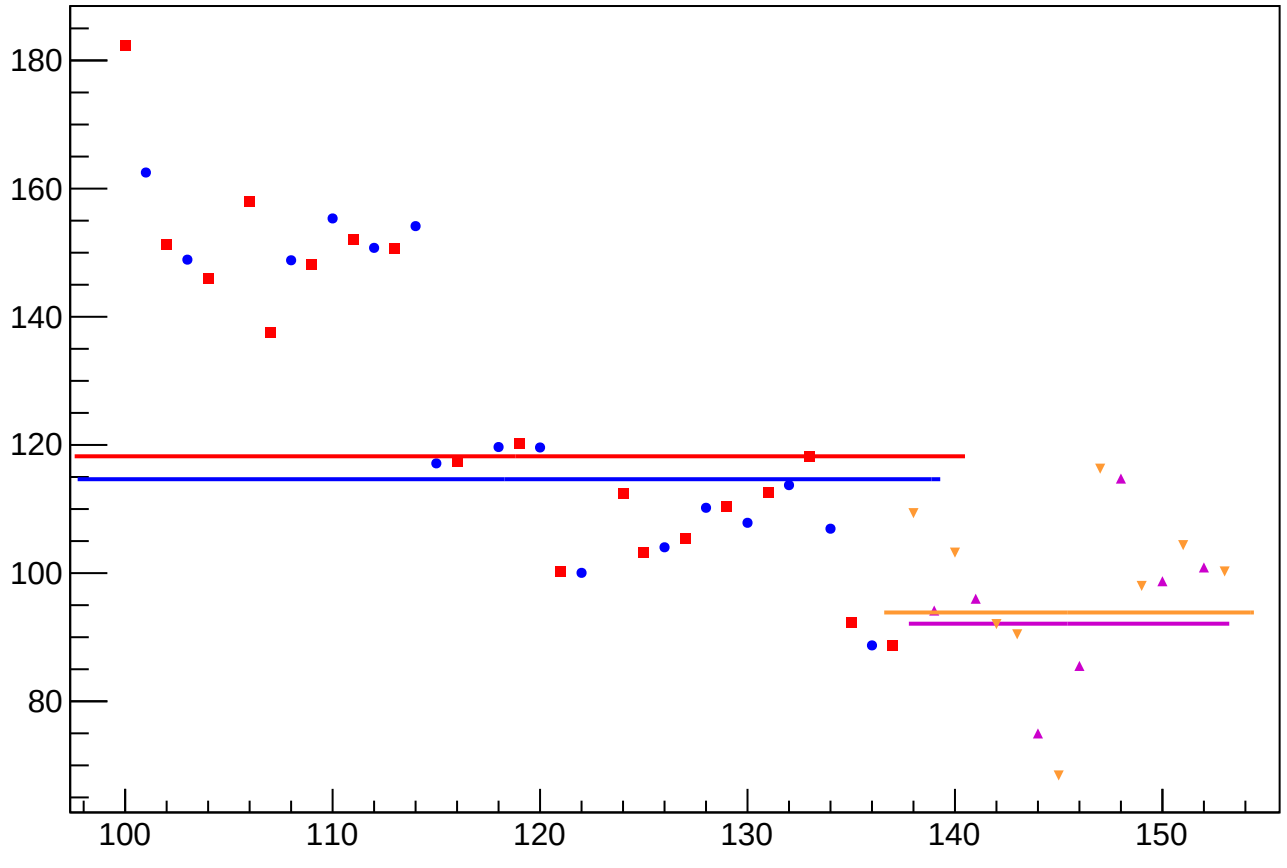
Left: 32.187+/-26.116 χ^2/NDF: 20.3/15

Right: 51.310+/-30.950 χ^2/NDF: 30.3/34

In: 45.188+/-28.609 χ^2/NDF:18.5/22

Out: 35.353+/-27.860 χ^2/NDF:32.2/27

All: 40.140+/-19.960 χ^2/NDF: 50.8/50



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 93.858+/-0.025 χ^2/NDF:357095.2/8

Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 92.109+/-0.027 χ^2/NDF:190221.7/6

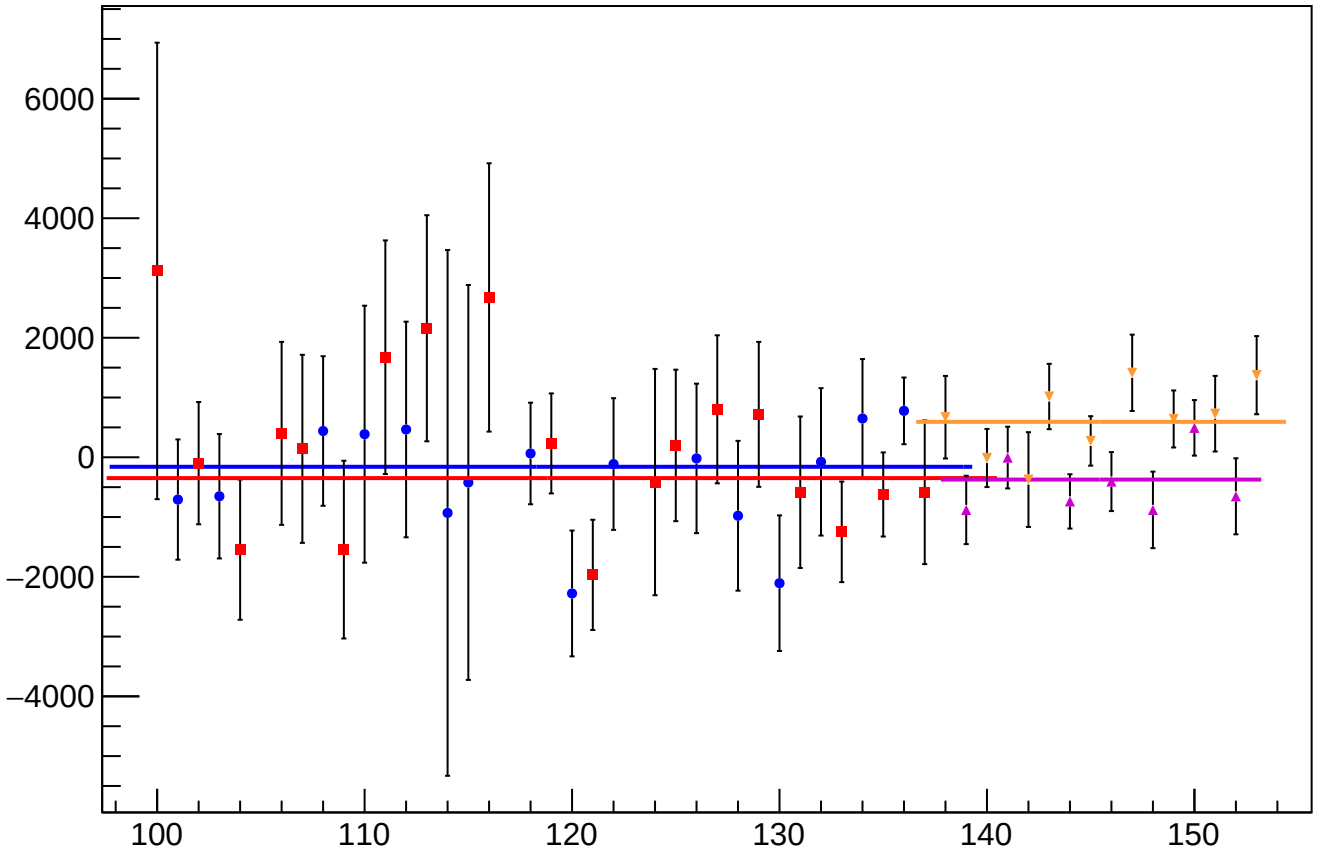
Left: 93.031+/-0.018 χ^2/NDF: 549554.7/15

Right: 116.421+/-0.022 χ^2/NDF: 1022057.2/34

In: 101.856+/-0.020 χ^2/NDF:1027047.0/22

Out: 103.614+/-0.020 χ^2/NDF:1207920.9/27

All: 102.759+/-0.014 χ^2/NDF: 2238845.4/50



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 593.154+/-186.391 χ^2/NDF:7.4/8

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -373.046+/-198.845 χ^2/NDF:6.2/6

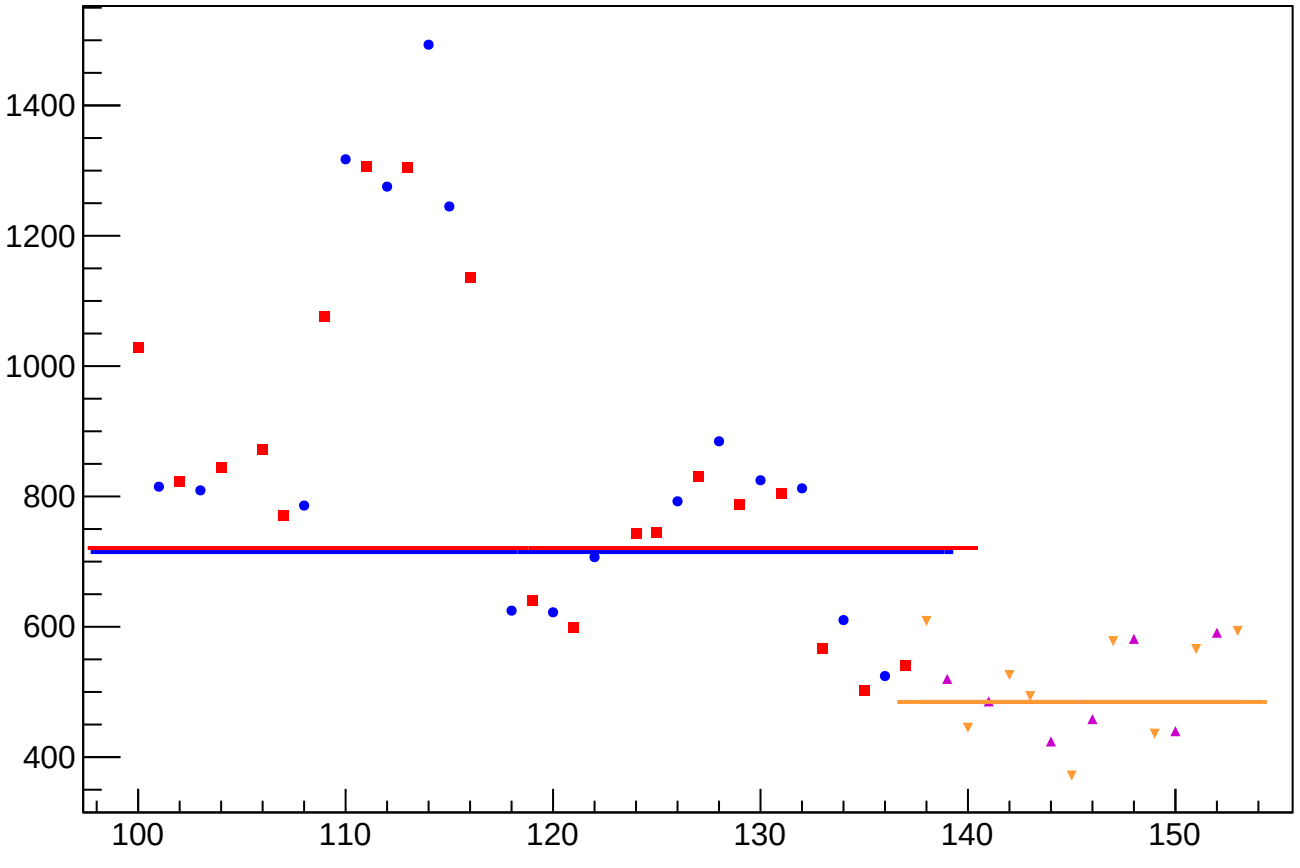
Left: 141.259+/-135.988 χ^2/NDF: 26.2/15

Right: -254.152+/-193.800 χ^2/NDF: 26.5/34

In: -299.440+/-161.046 χ^2/NDF:18.6/22

Out: 294.644+/-154.041 χ^2/NDF:29.8/27

All: 10.803+/-111.317 χ^2/NDF: 55.5/50



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 484.667+/-0.132 χ^2/NDF:384996.0/8

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

Left In: 484.701+/-0.141 χ^2/NDF:169076.7/6

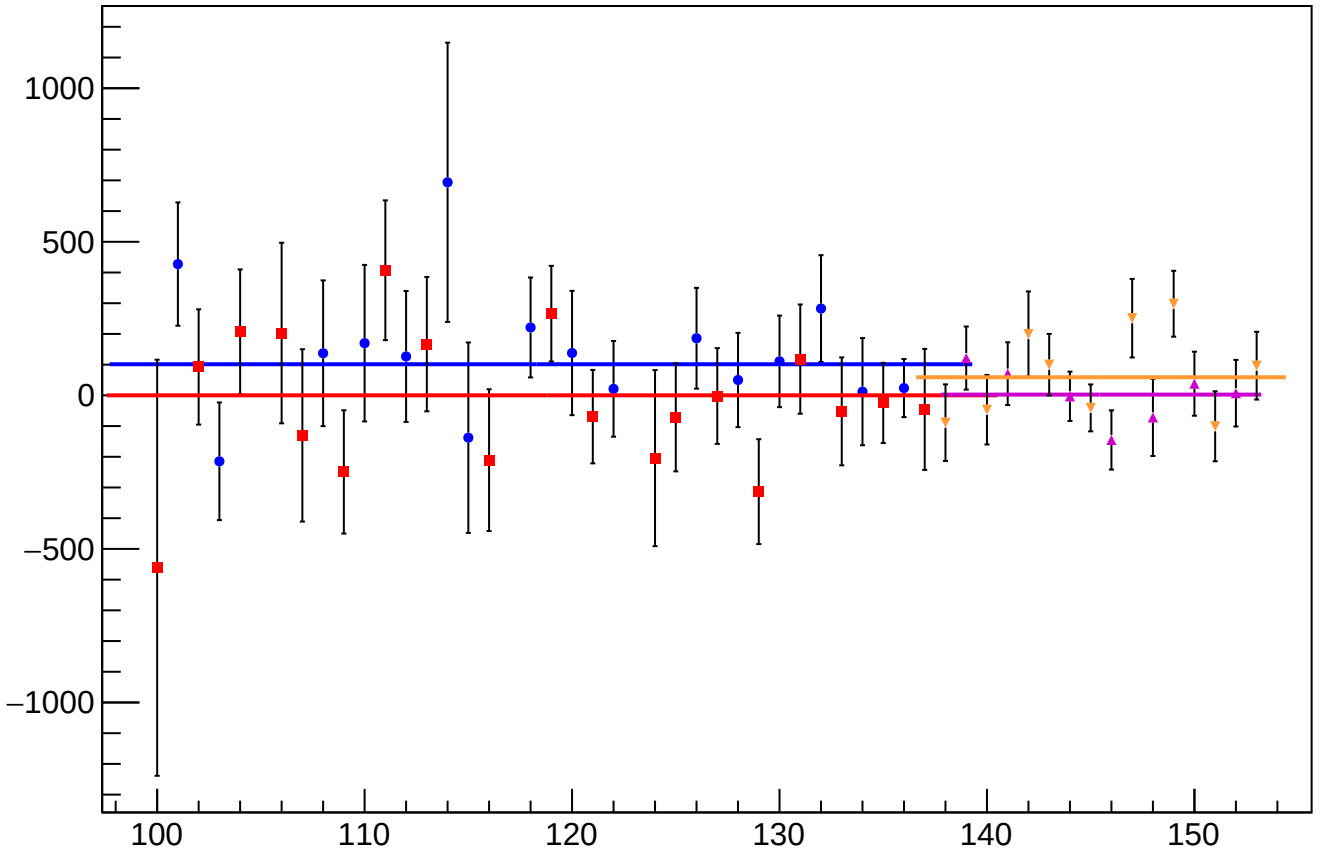
Left: 484.683+/-0.096 χ^2/NDF: 554072.7/15

Right: 717.786+/-0.137 χ^2/NDF: 1895167.0/34

In: 563.822+/-0.114 χ^2/NDF:1965643.1/22

Out: 559.547+/-0.109 χ^2/NDF:2421698.3/27

All: 561.590+/-0.079 χ^2/NDF: 4388077.5/50



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: 58.866+/-35.977 χ^2/NDF:14.5/8

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: 2.465+/-37.971 χ^2/NDF:4.6/6

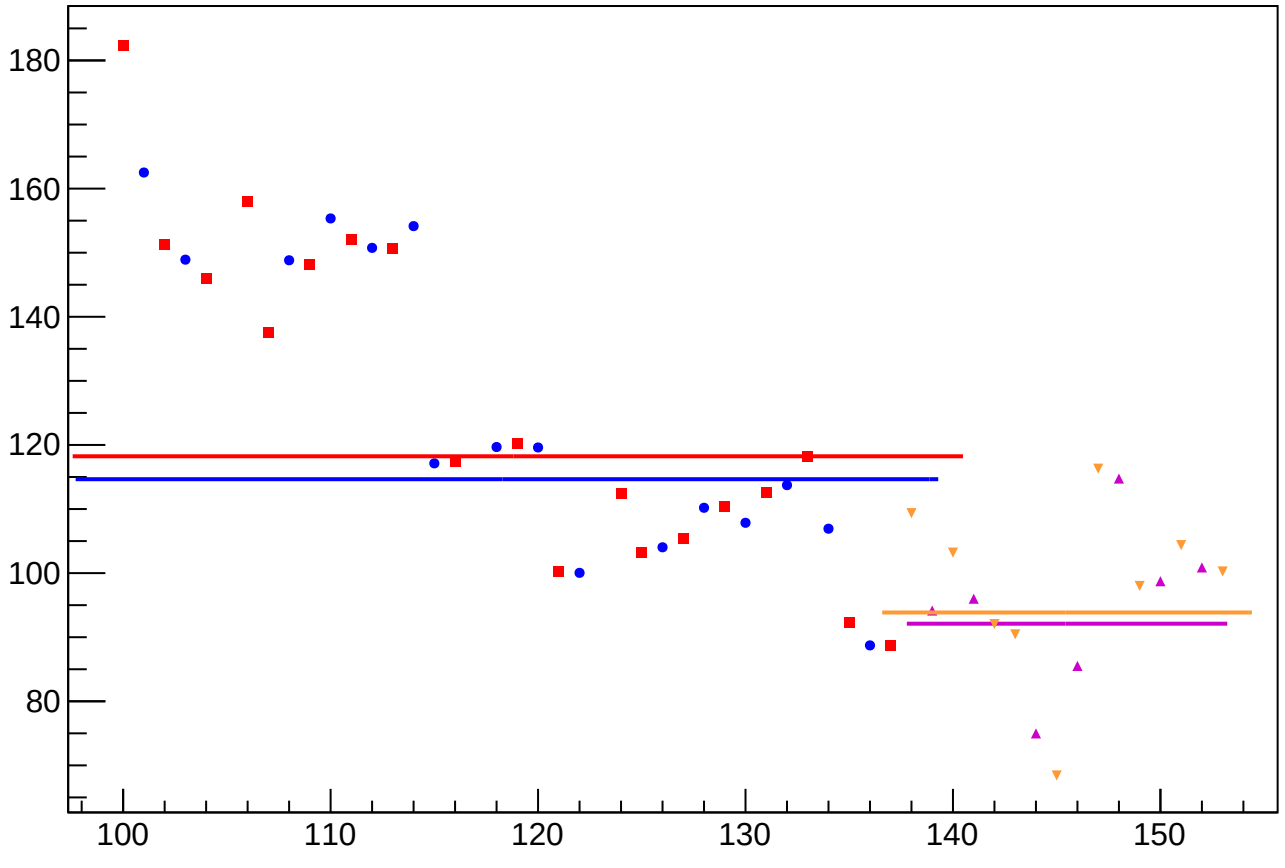
Left: 32.186+/-26.116 χ^2/NDF: 20.3/15

Right: 51.308+/-30.950 χ^2/NDF: 30.3/34

In: 45.186+/-28.609 χ^2/NDF:18.5/22

Out: 35.352+/-27.860 χ^2/NDF:32.2/27

All: 40.139+/-19.960 χ^2/NDF: 50.8/50



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 93.858+/-0.025 χ^2/NDF:357100.8/8

Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 92.109+/-0.027 χ^2/NDF:190222.6/6

Left: 93.031+/-0.018 χ^2/NDF: 549561.1/15

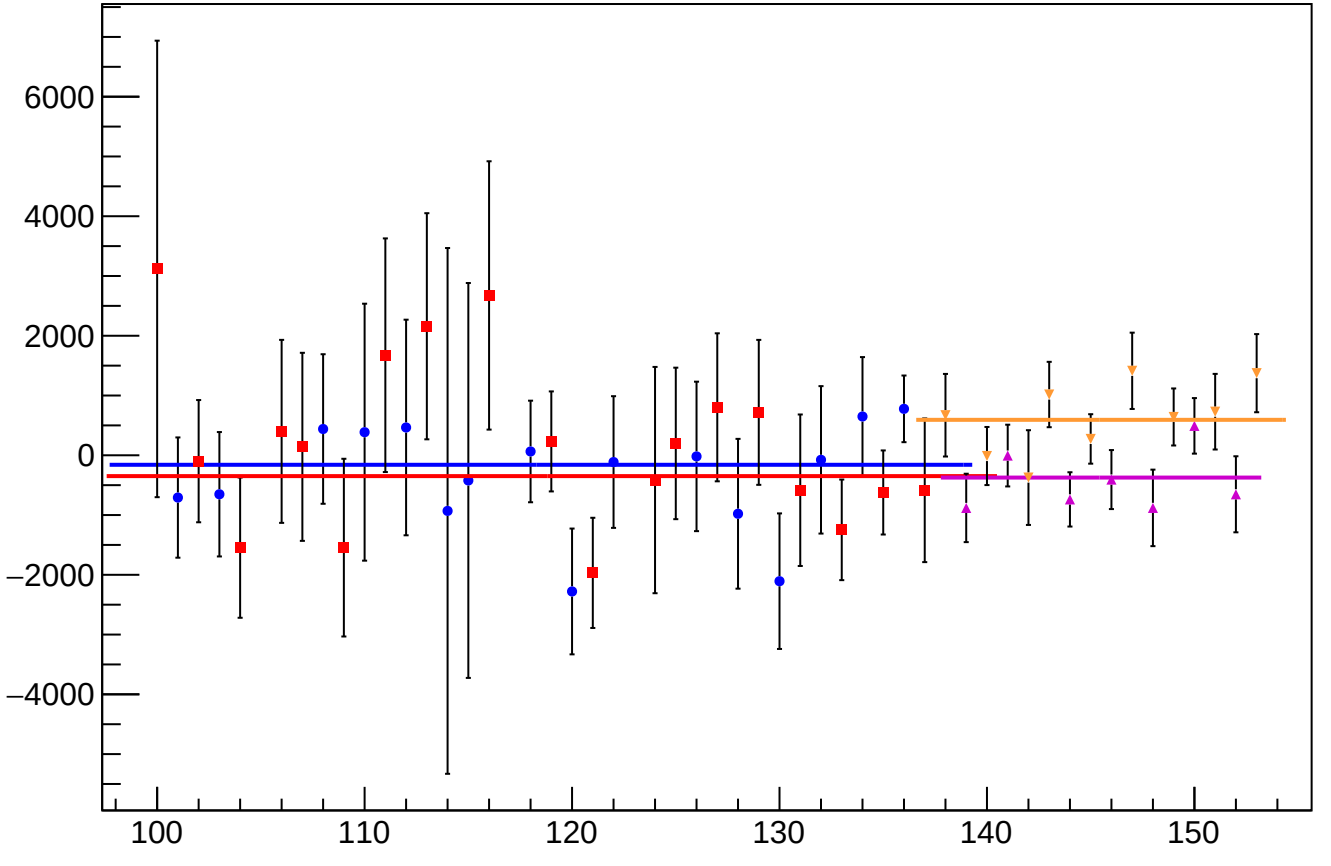
Right: 116.421+/-0.022 χ^2/NDF: 1022036.9/34

In: 101.856+/-0.020 χ^2/NDF:1027036.3/22

Out: 103.614+/-0.020 χ^2/NDF:1207919.4/27

All: 102.759+/-0.014 χ^2/NDF: 2238832.7/50

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: 593.154+/-186.391 χ^2/NDF:7.4/8

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -373.047+/-198.846 χ^2/NDF:6.2/6

Left: 141.258+/-135.988 χ^2/NDF: 26.2/15

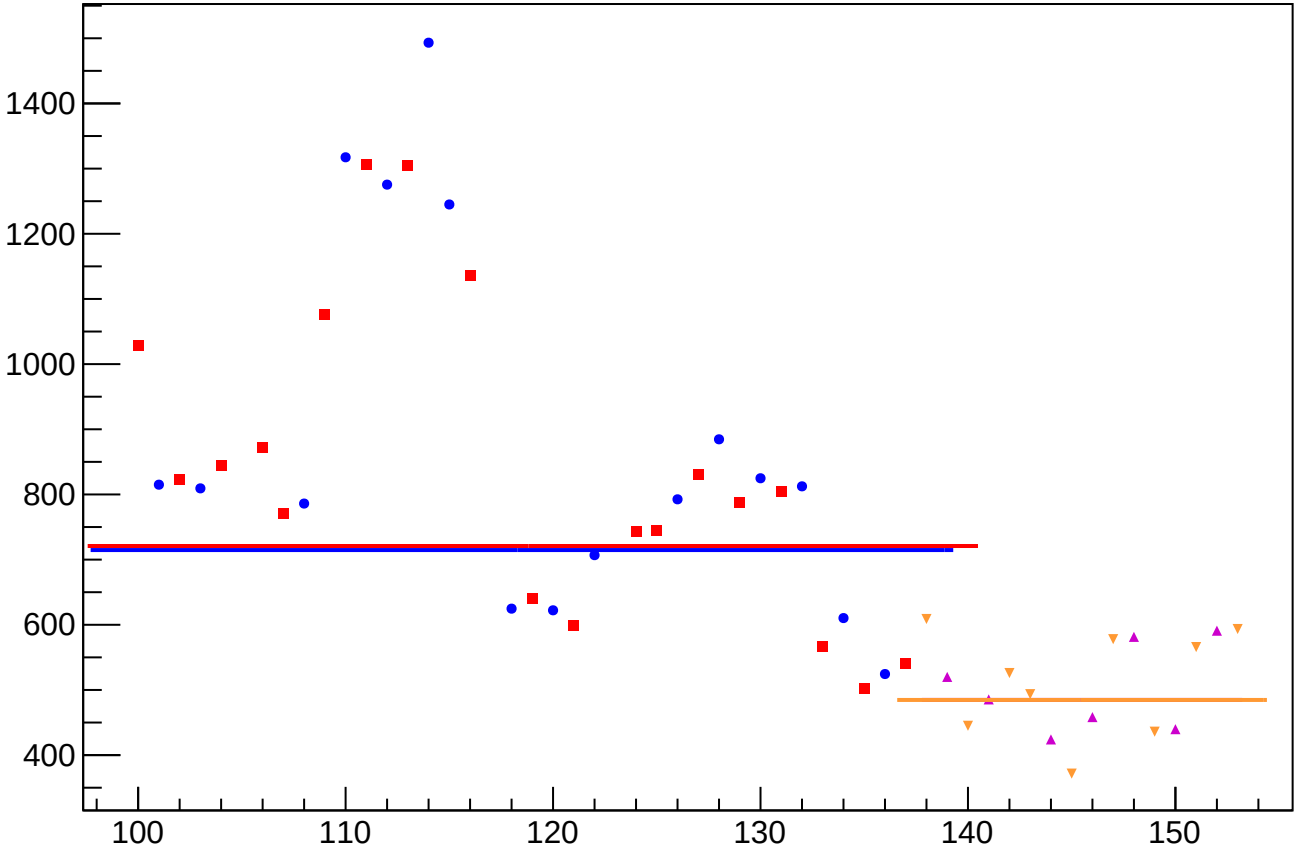
Right: -254.153+/-193.800 χ^2/NDF: 26.5/34

In: -299.441+/-161.046 χ^2/NDF:18.6/22

Out: 294.643+/-154.041 χ^2/NDF:29.8/27

All: 10.802+/-111.317 χ^2/NDF: 55.5/50

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: 484.667+/-0.132 χ^2/NDF:384999.2/8

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

Left In: 484.702+/-0.141 χ^2/NDF:169076.3/6

Left: 484.683+/-0.096 χ^2/NDF: 554075.5/15

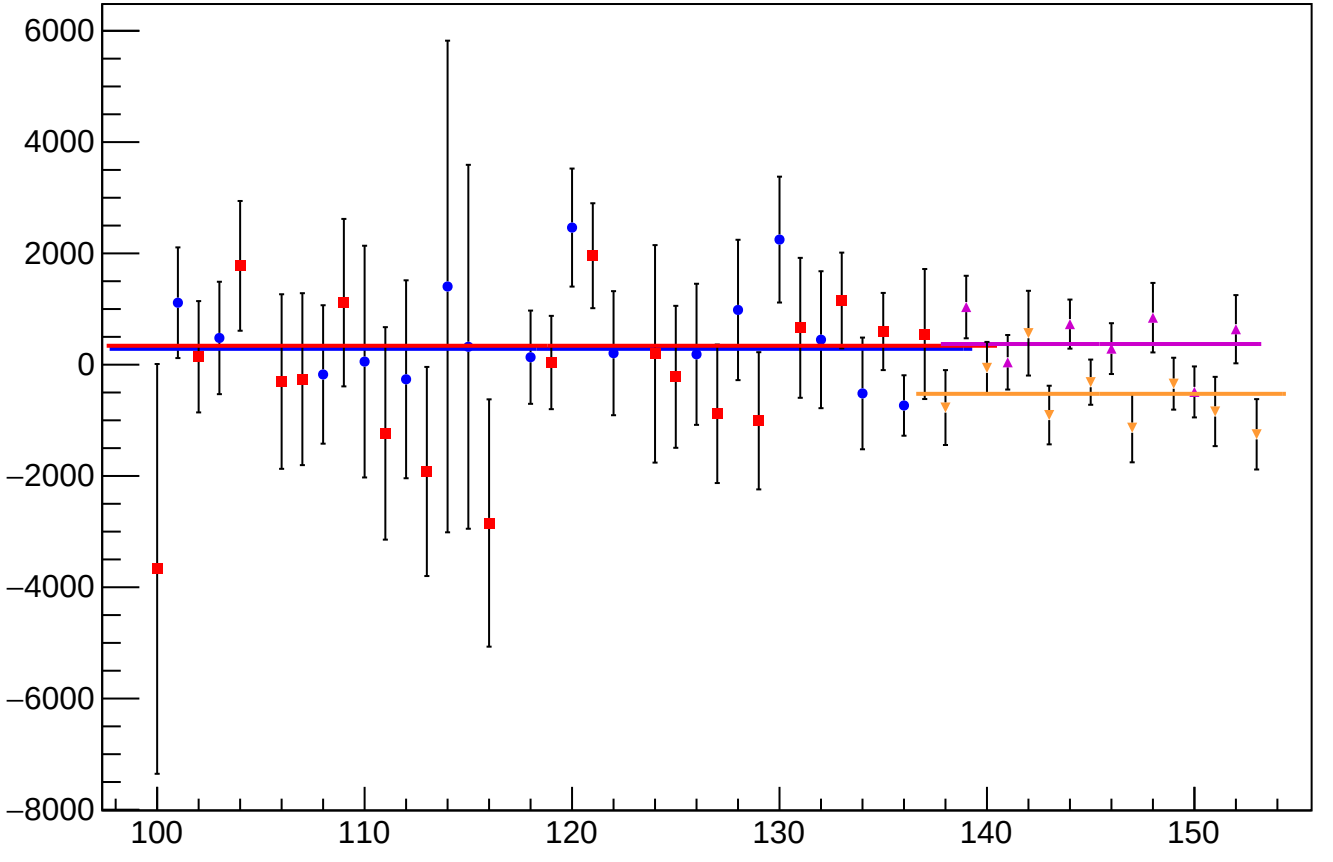
Right: 717.786+/-0.137 χ^2/NDF: 1895155.0/34

In: 563.823+/-0.114 χ^2/NDF:1965633.5/22

Out: 559.547+/-0.109 χ^2/NDF:2421692.0/27

All: 561.590+/-0.079 χ^2/NDF: 4388061.7/50

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -523.840+/-181.197 χ^2/NDF:6.7/8

Right Out: 340.018+/-273.601 χ^2/NDF: 14.1/18

Left In: 371.482+/-191.545 χ^2/NDF:6.8/6

Left: -101.014+/-131.632 χ^2/NDF: 25.0/15

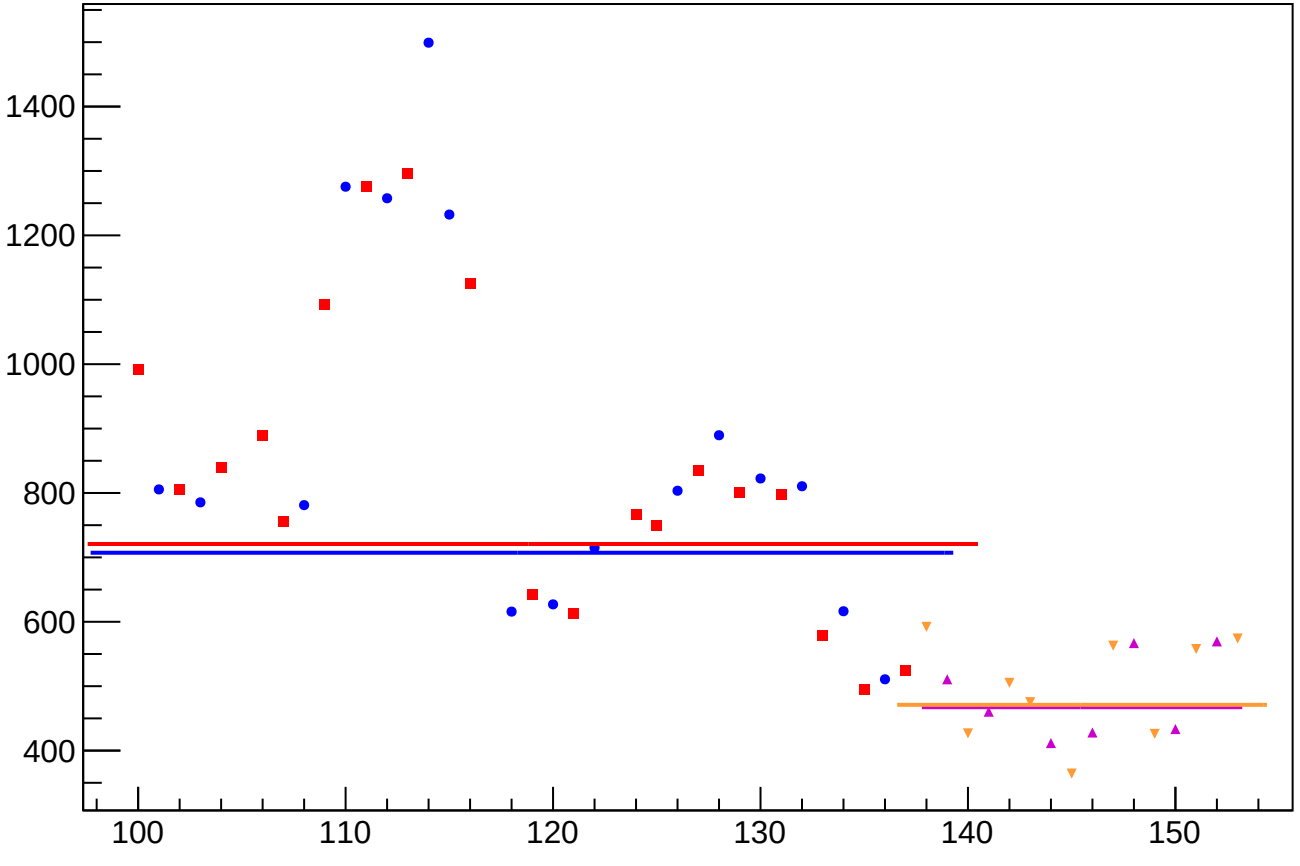
Right: 312.231+/-192.877 χ^2/NDF: 26.9/34

In: 342.731+/-156.599 χ^2/NDF:19.7/22

Out: -260.468+/-151.071 χ^2/NDF:27.7/27

All: 30.299+/-108.725 χ^2/NDF: 55.0/50

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 471.079+/-0.128 χ^2/NDF:379083.4/8

Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 467.362+/-0.135 χ^2/NDF:176343.1/6

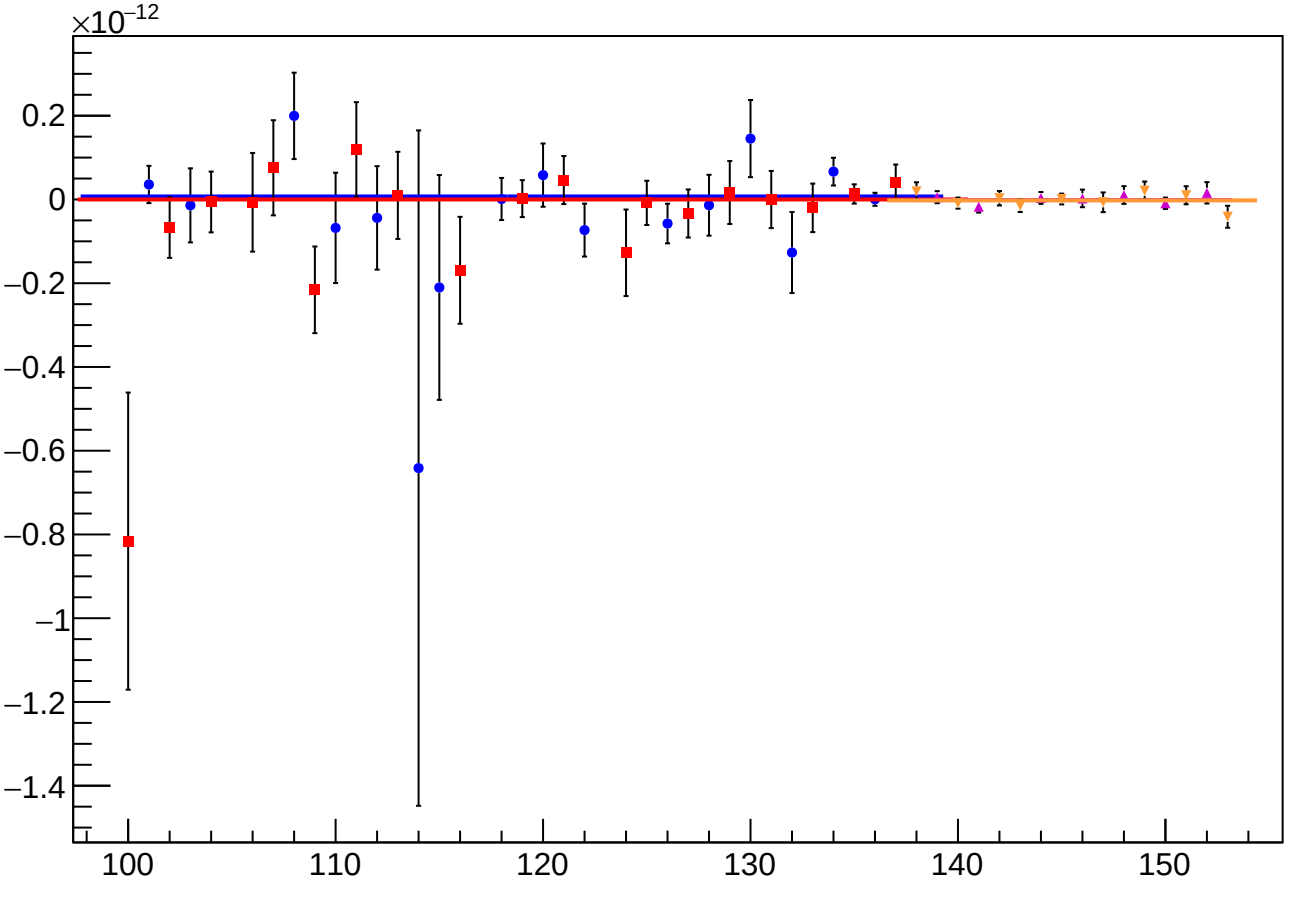
Left: 469.324+/-0.093 χ^2/NDF: 555823.8/15

Right: 713.952+/-0.136 χ^2/NDF: 1914442.0/34

In: 546.896+/-0.111 χ^2/NDF:2112893.7/22

Out: 547.207+/-0.107 χ^2/NDF:2552306.9/27

All: 547.057+/-0.077 χ^2/NDF: 4665204.7/50



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.7/8

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: -0.000+/-0.000 χ^2/NDF:2.7/6

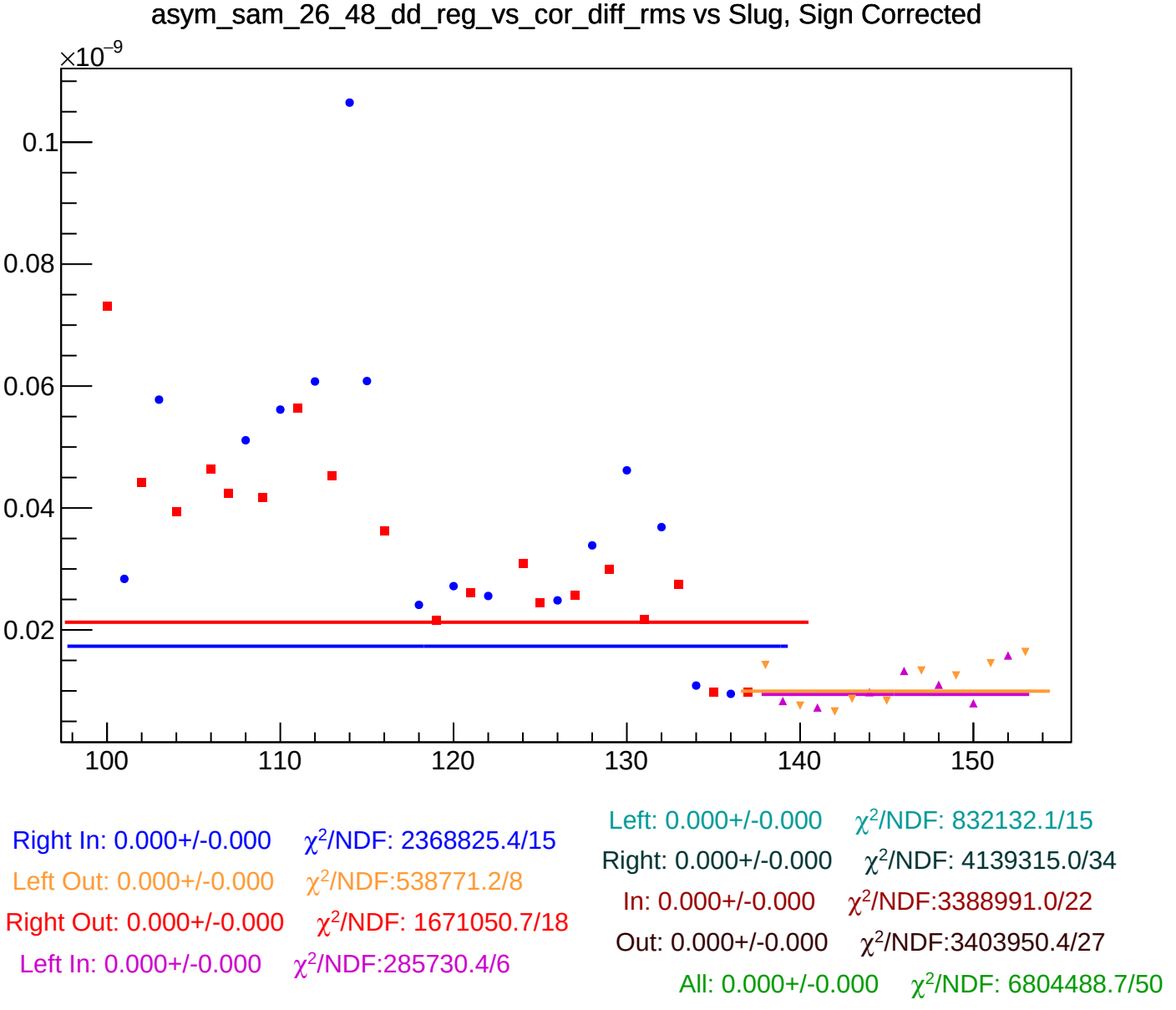
Left: -0.000+/-0.000 χ^2/NDF: 8.5/15

Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

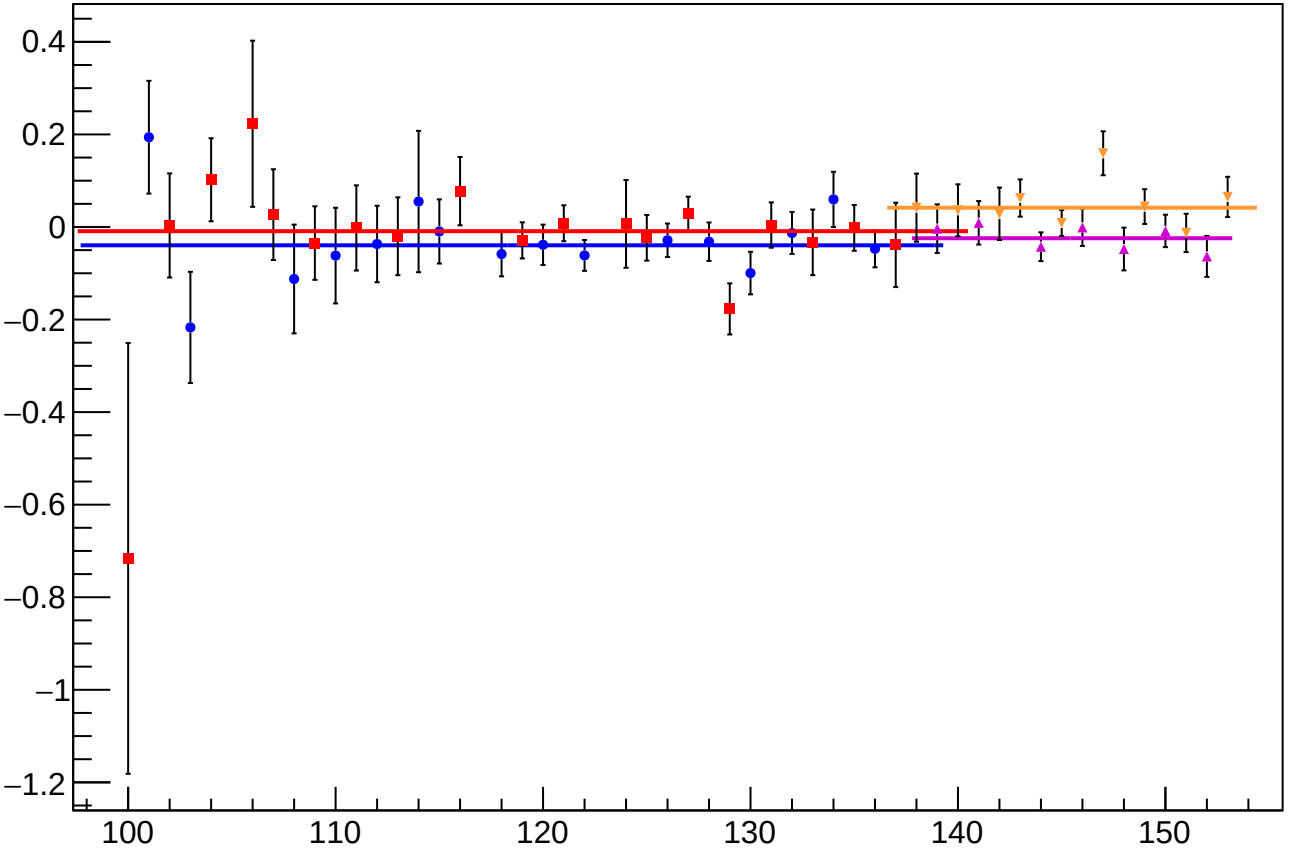
In: 0.000+/-0.000 χ^2/NDF:20.5/22

Out: -0.000+/-0.000 χ^2/NDF:23.5/27

All: -0.000+/-0.000 χ^2/NDF: 44.1/50


asym_sam_26_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2368825.4/15
Left Out: 0.000+/-0.000 χ²/NDF:538771.2/8
Right Out: 0.000+/-0.000 χ²/NDF: 1671050.7/18
Left In: 0.000+/-0.000 χ²/NDF:285730.4/6
Left: 0.000+/-0.000 χ²/NDF: 832132.1/15
Right: 0.000+/-0.000 χ²/NDF: 4139315.0/34
In: 0.000+/-0.000 χ²/NDF:3388991.0/22
Out: 0.000+/-0.000 χ²/NDF:3403950.4/27
All: 0.000+/-0.000 χ²/NDF: 6804488.7/50

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.042+/-0.014 χ^2/NDF:9.9/8

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.024+/-0.015 χ^2/NDF:2.6/6

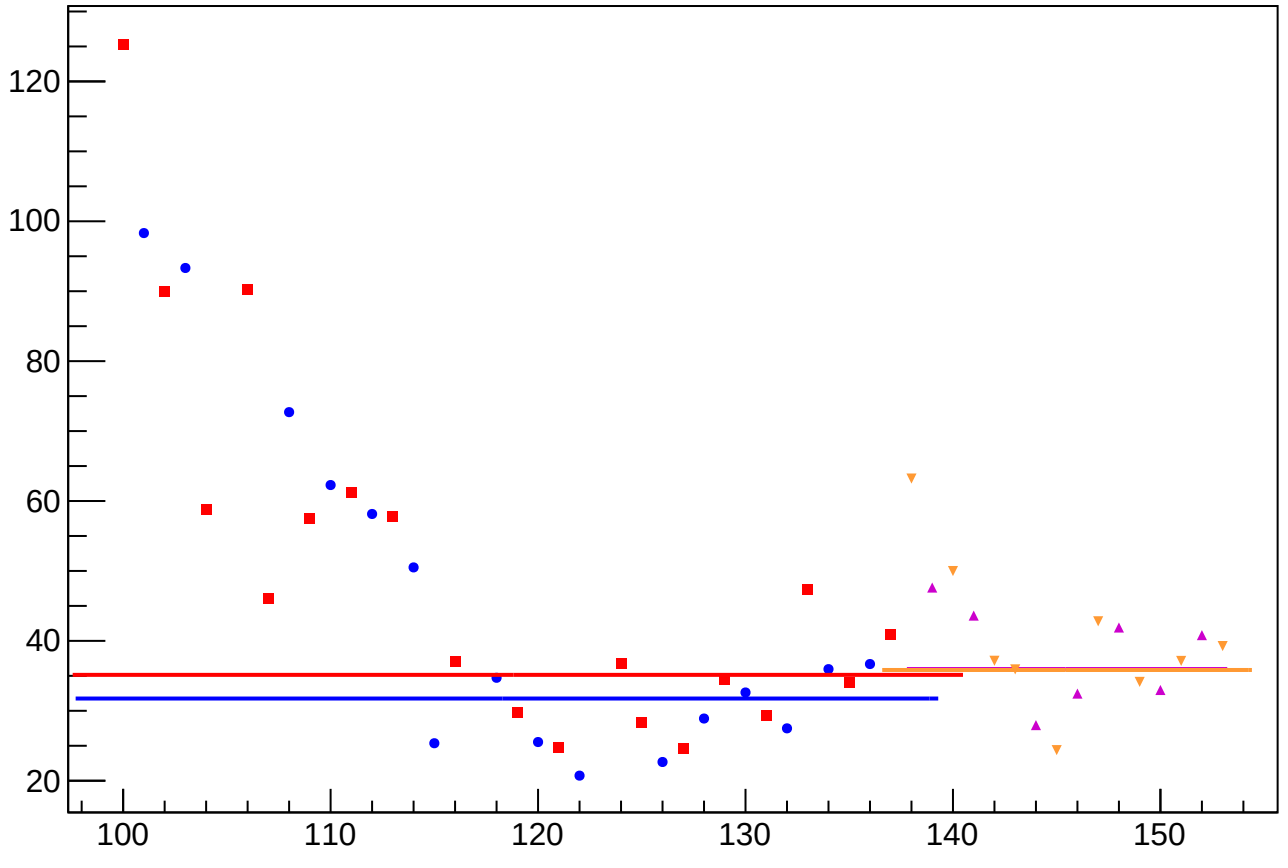
Left: 0.011+/-0.010 χ^2/NDF: 22.4/15

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.033+/-0.010 χ^2/NDF:15.6/22

Out: 0.016+/-0.010 χ^2/NDF:34.6/27

All: -0.009+/-0.007 χ^2/NDF: 62.3/50



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 35.838+/-0.010 χ^2/NDF:798205.1/8

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 35.976+/-0.011 χ^2/NDF:371567.6/6

Left: 35.902+/-0.007 χ^2/NDF: 1169860.0/15

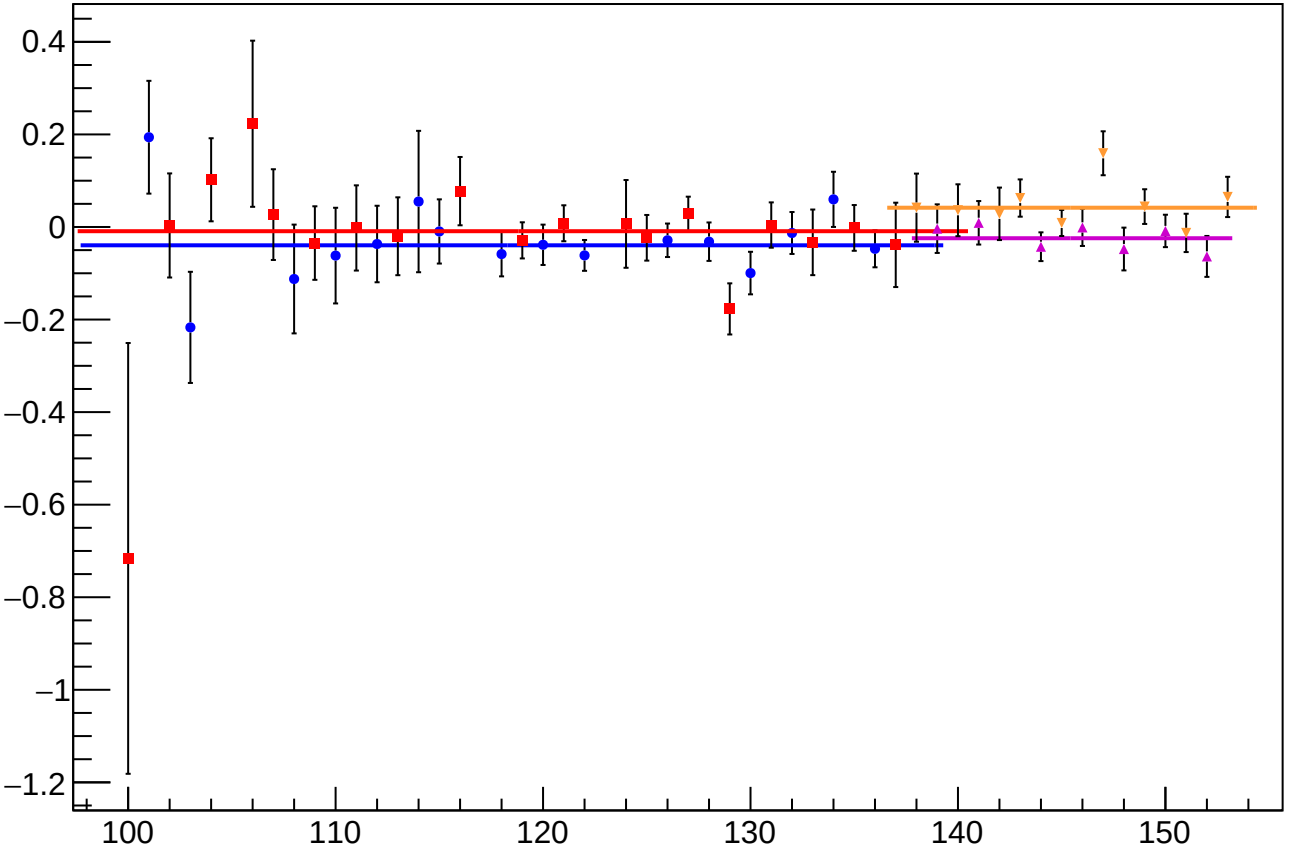
Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 33.549+/-0.007 χ^2/NDF:2711377.2/22

Out: 35.488+/-0.007 χ^2/NDF:2645305.4/27

All: 34.514+/-0.005 χ^2/NDF: 5394221.6/50

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.042+/-0.014 χ^2/NDF:9.9/8

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.024+/-0.015 χ^2/NDF:2.6/6

Left: 0.011+/-0.010 χ^2/NDF: 22.4/15

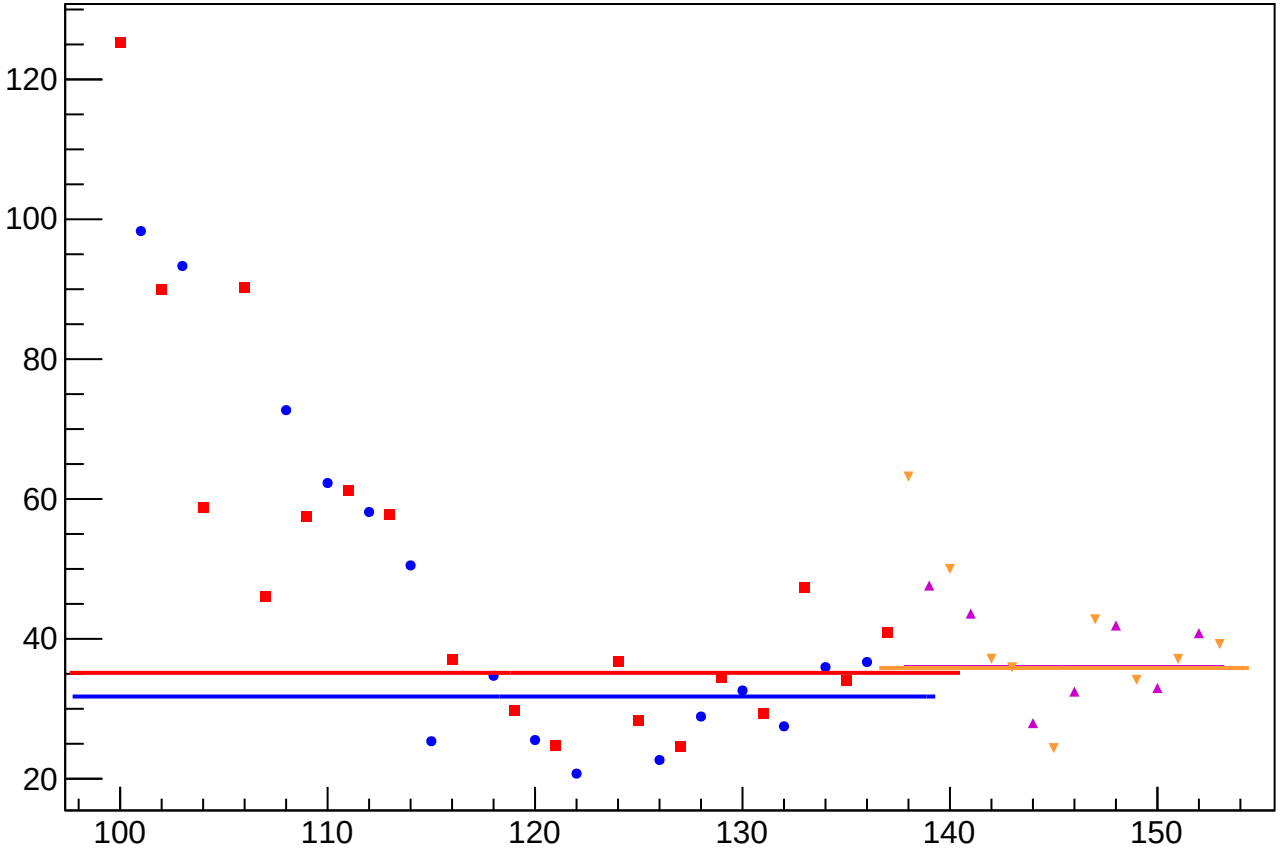
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.033+/-0.010 χ^2/NDF:15.6/22

Out: 0.016+/-0.010 χ^2/NDF:34.6/27

All: -0.009+/-0.007 χ^2/NDF: 62.3/50

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 35.838+/-0.010 χ^2/NDF:798205.1/8

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 35.976+/-0.011 χ^2/NDF:371567.6/6

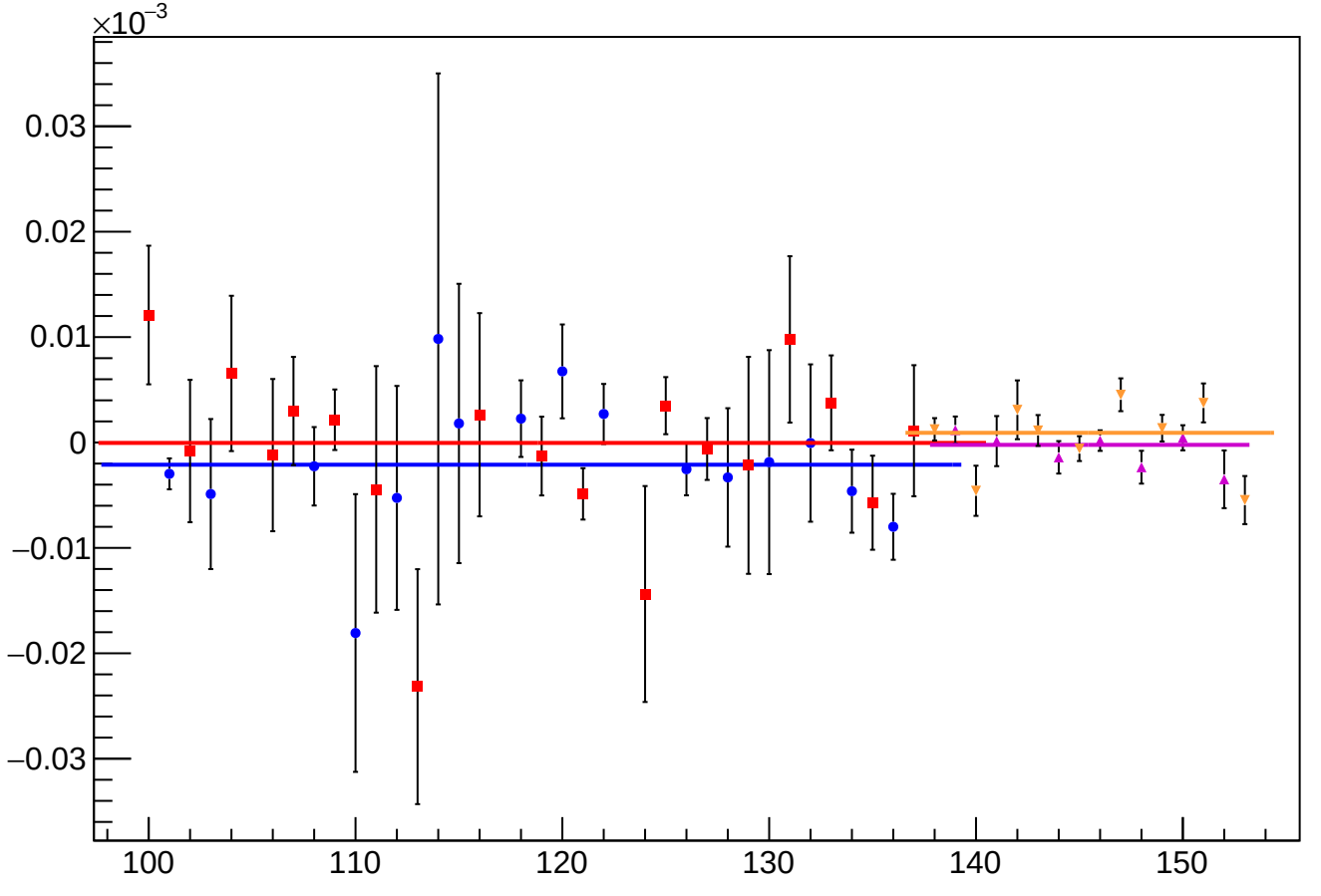
Left: 35.902+/-0.007 χ^2/NDF: 1169860.0/15

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 33.549+/-0.007 χ^2/NDF:2711377.2/22

Out: 35.488+/-0.007 χ^2/NDF:2645305.4/27

All: 34.514+/-0.005 χ^2/NDF: 5394221.6/50



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.4/8

Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:5.6/6

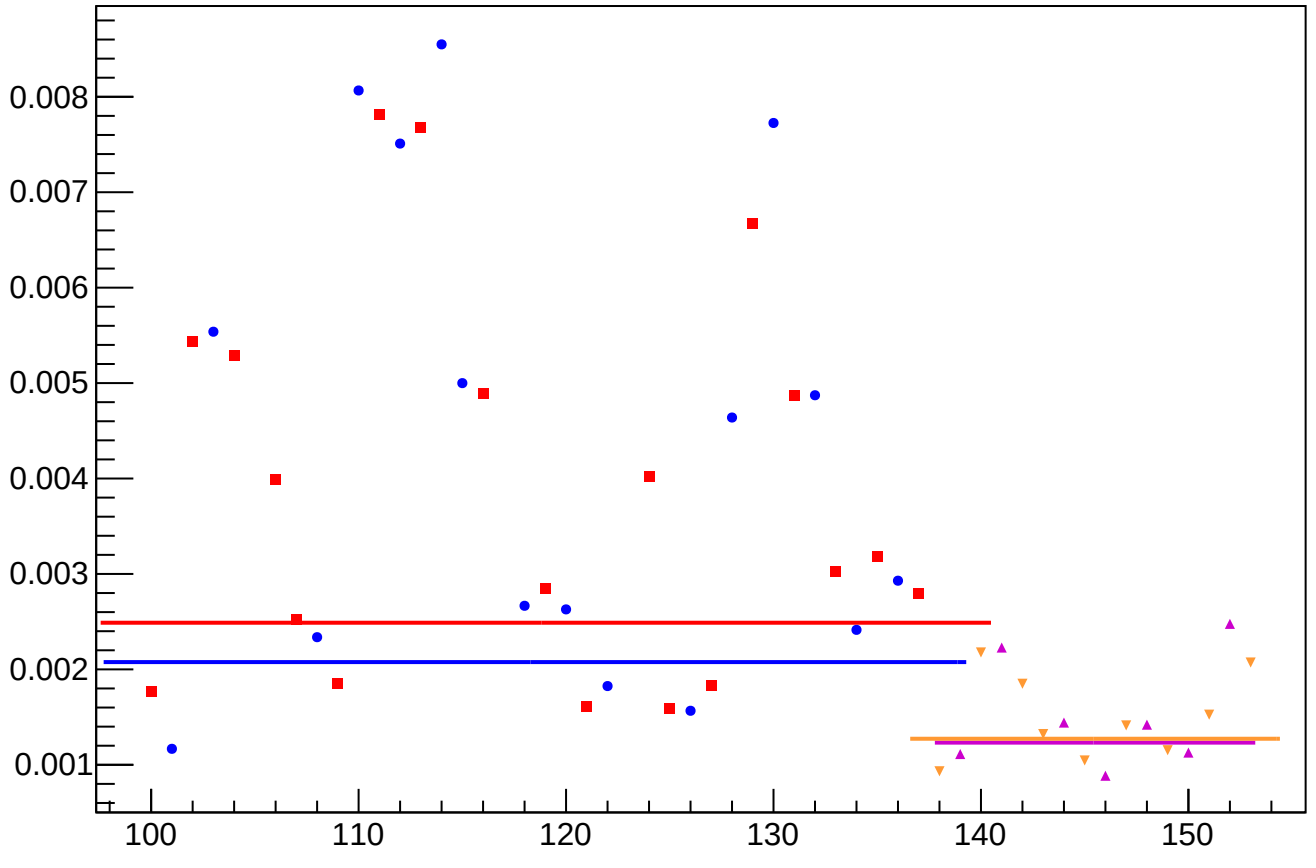
Left: 0.000+/-0.000 χ^2/NDF: 31.3/15

Right: -0.000+/-0.000 χ^2/NDF: 38.4/34

In: -0.000+/-0.000 χ^2/NDF:23.5/22

Out: 0.000+/-0.000 χ^2/NDF:45.5/27

All: 0.000+/-0.000 χ^2/NDF: 73.9/50



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:973715.6/8

Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.001+/-0.000 χ^2/NDF:1116407.7/6

Left: 0.001+/-0.000 χ^2/NDF: 2096221.6/15

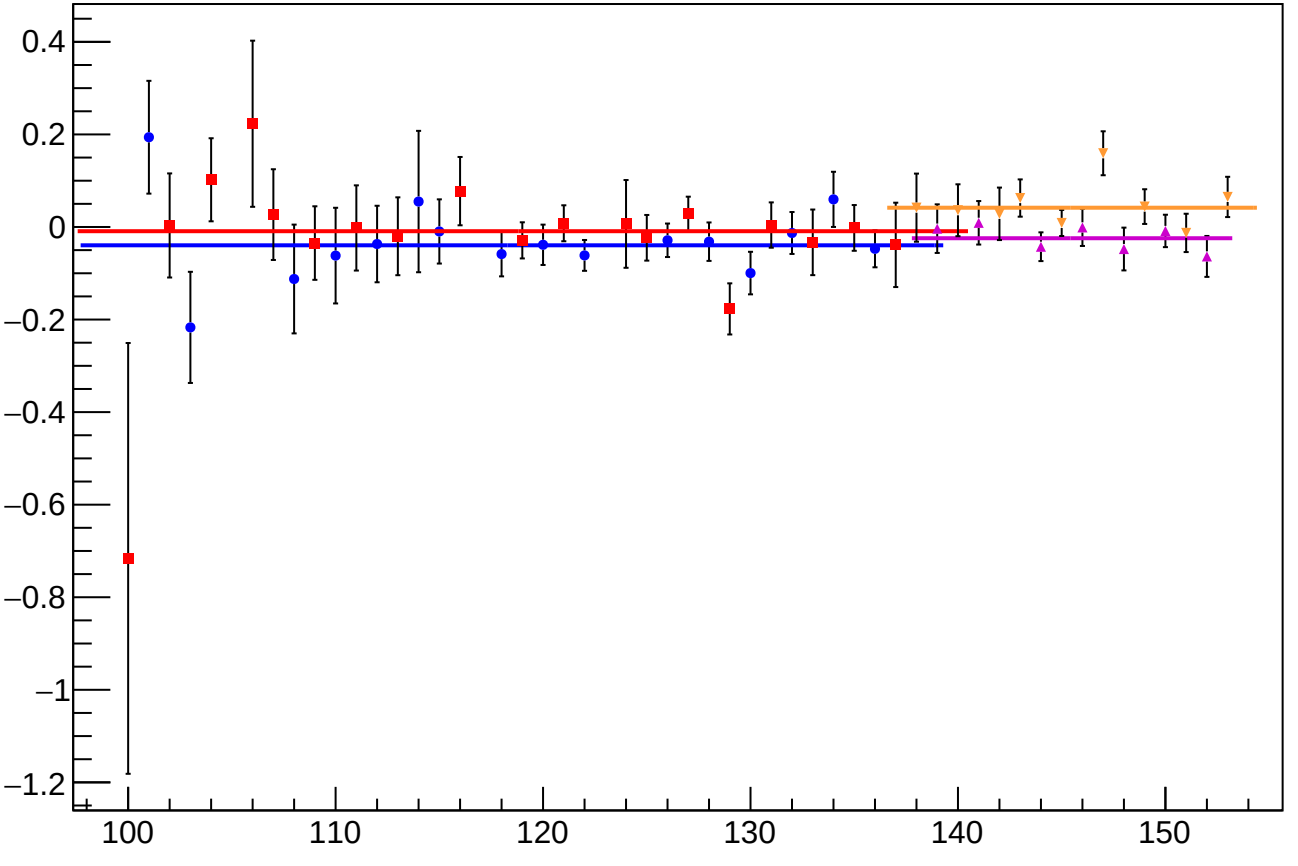
Right: 0.002+/-0.000 χ^2/NDF: 7186793.8/34

In: 0.001+/-0.000 χ^2/NDF:6313147.4/22

Out: 0.002+/-0.000 χ^2/NDF:6268327.1/27

All: 0.001+/-0.000 χ^2/NDF: 12596390.8/50

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.042+/-0.014 χ^2/NDF:9.9/8

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.024+/-0.015 χ^2/NDF:2.6/6

Left: 0.011+/-0.010 χ^2/NDF: 22.4/15

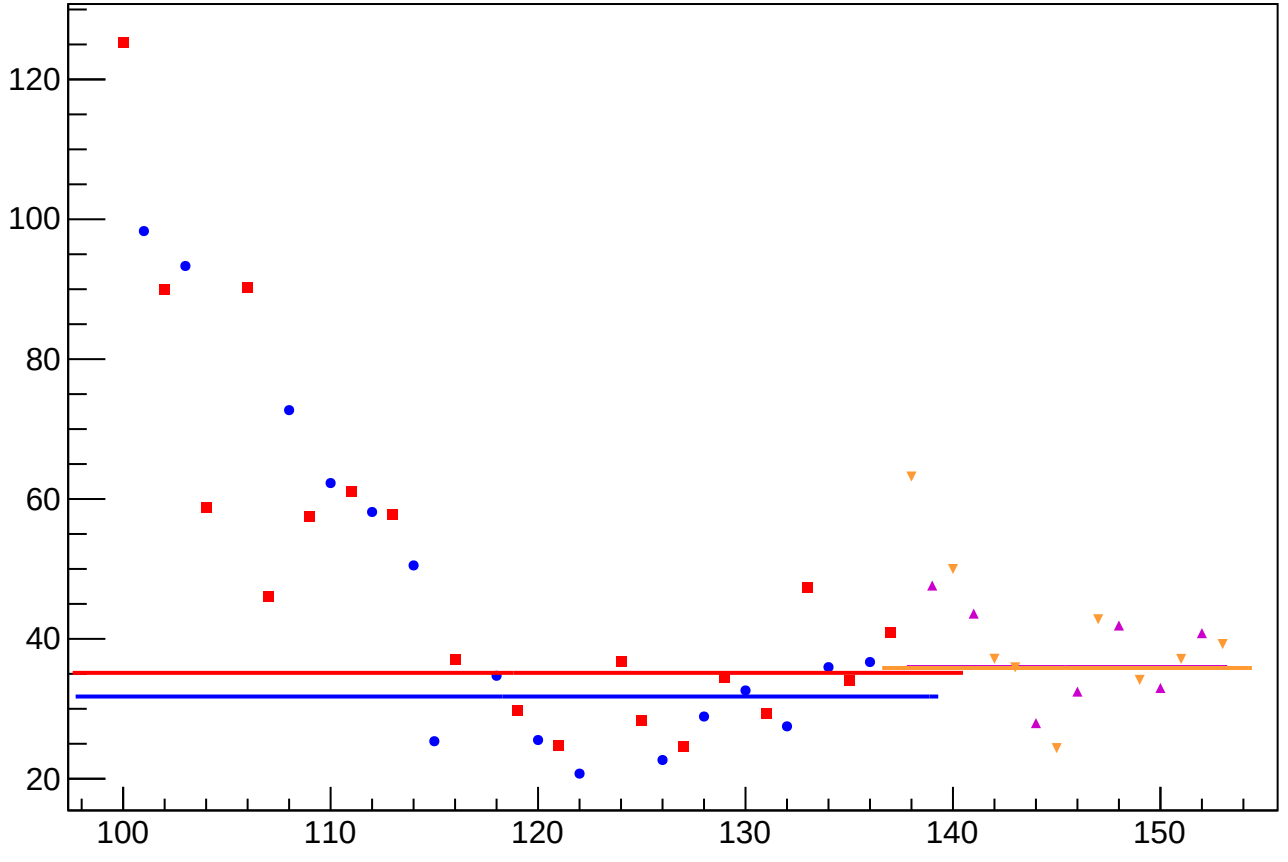
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.033+/-0.010 χ^2/NDF:15.6/22

Out: 0.016+/-0.010 χ^2/NDF:34.6/27

All: -0.009+/-0.007 χ^2/NDF: 62.3/50

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: 35.838+/-0.010 χ^2/NDF:798250.8/8

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 35.976+/-0.011 χ^2/NDF:371574.4/6

Left: 35.902+/-0.007 χ^2/NDF: 1169912.6/15

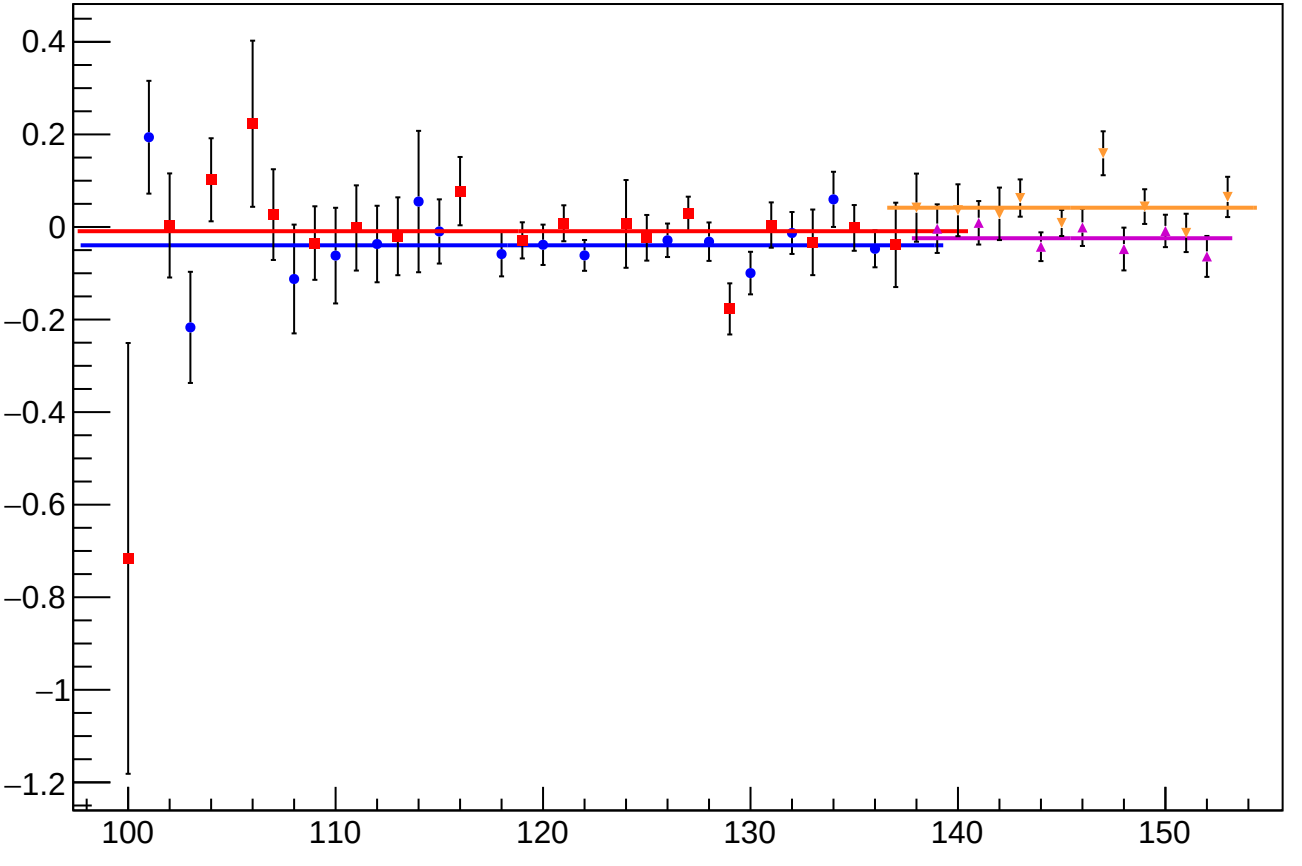
Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 33.550+/-0.007 χ^2/NDF:2711347.6/22

Out: 35.488+/-0.007 χ^2/NDF:2645243.9/27

All: 34.514+/-0.005 χ^2/NDF: 5394128.6/50

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.042+/-0.014 χ^2/NDF:9.9/8

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.024+/-0.015 χ^2/NDF:2.6/6

Left: 0.011+/-0.010 χ^2/NDF: 22.4/15

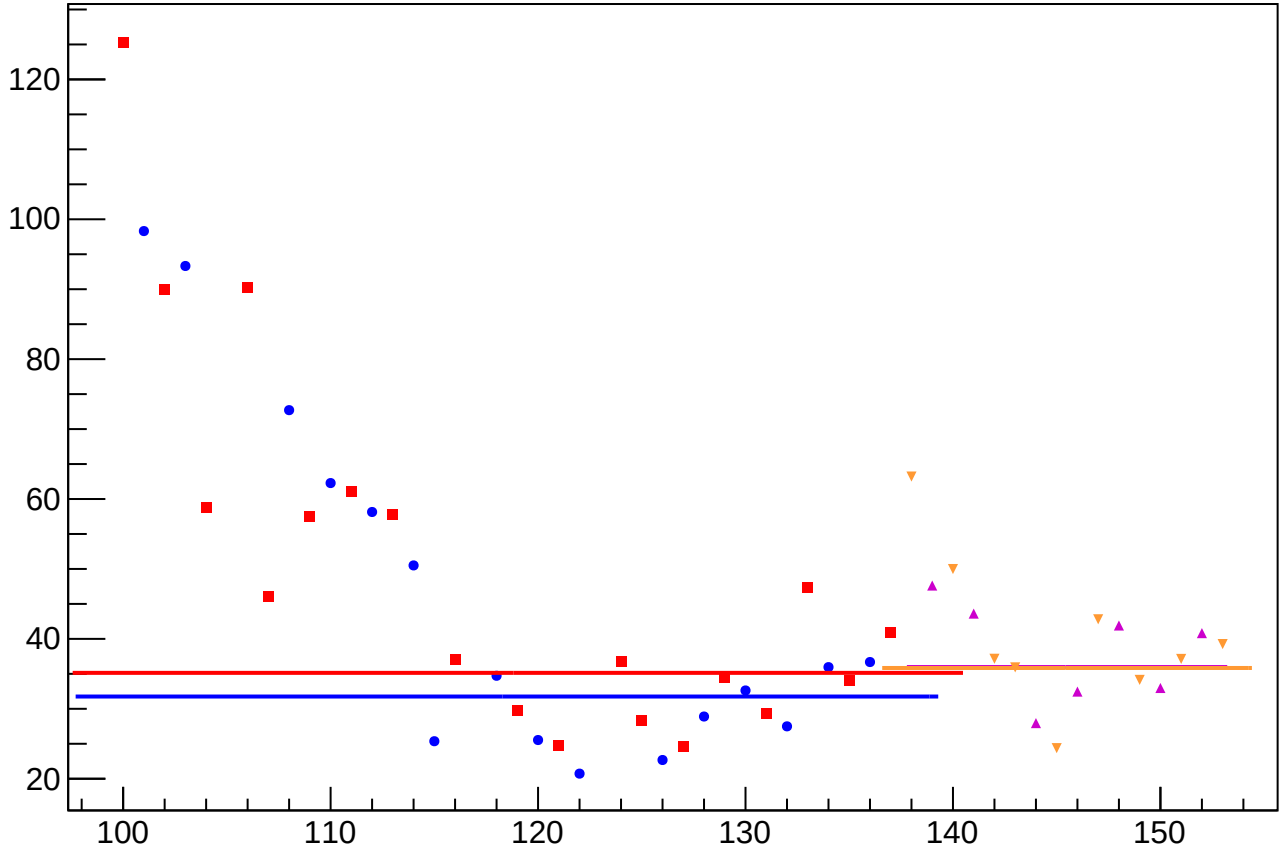
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.033+/-0.010 χ^2/NDF:15.6/22

Out: 0.016+/-0.010 χ^2/NDF:34.6/27

All: -0.009+/-0.007 χ^2/NDF: 62.3/50

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 35.838+/-0.010 χ^2/NDF:798250.8/8

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 35.976+/-0.011 χ^2/NDF:371574.4/6

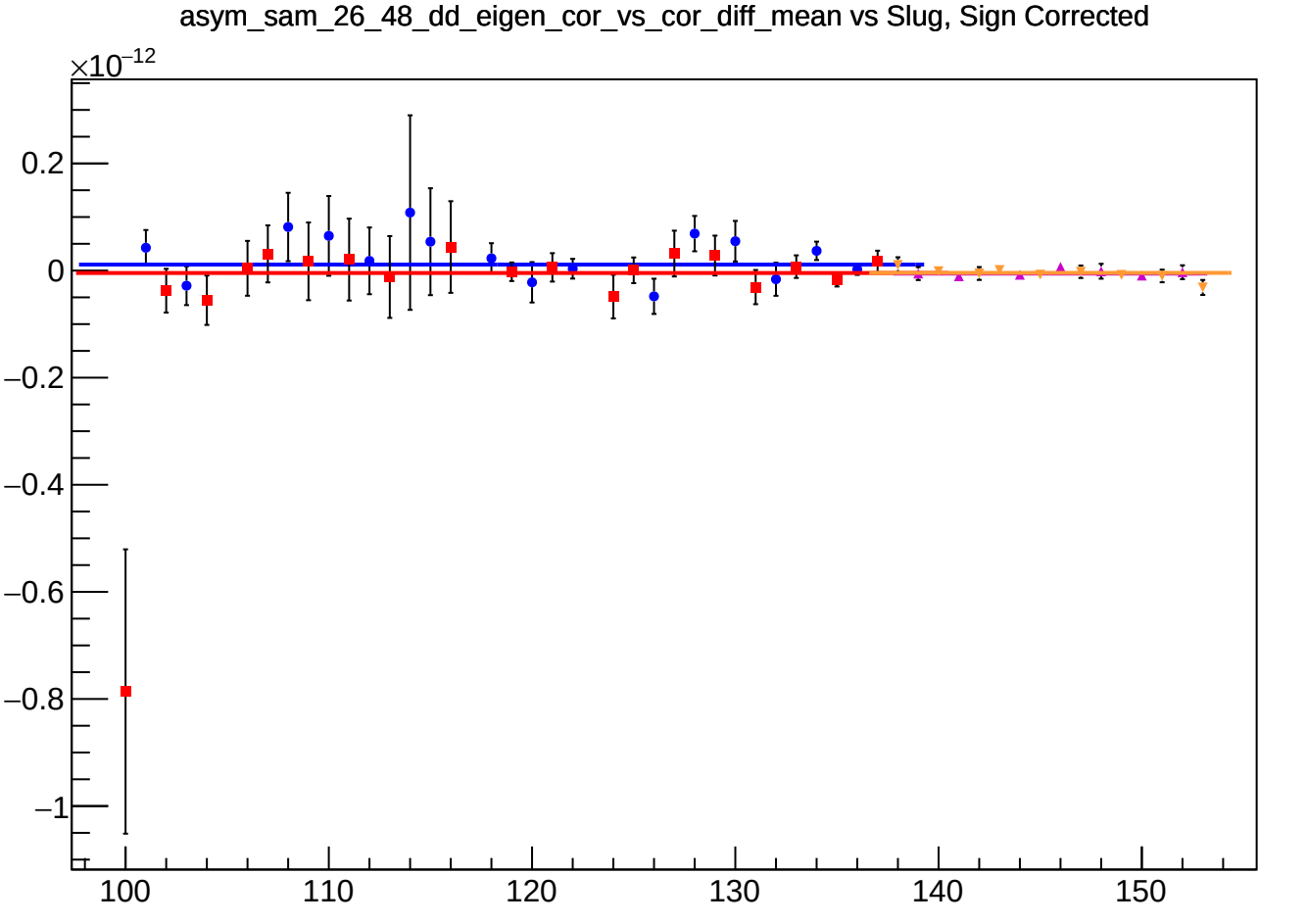
Left: 35.902+/-0.007 χ^2/NDF: 1169912.6/15

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 33.550+/-0.007 χ^2/NDF:2711347.6/22

Out: 35.488+/-0.007 χ^2/NDF:2645243.9/27

All: 34.514+/-0.005 χ^2/NDF: 5394128.6/50



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.5/8

Right Out: -0.000+/-0.000 χ^2/NDF: 17.5/18

Left In: -0.000+/-0.000 χ^2/NDF:2.9/6

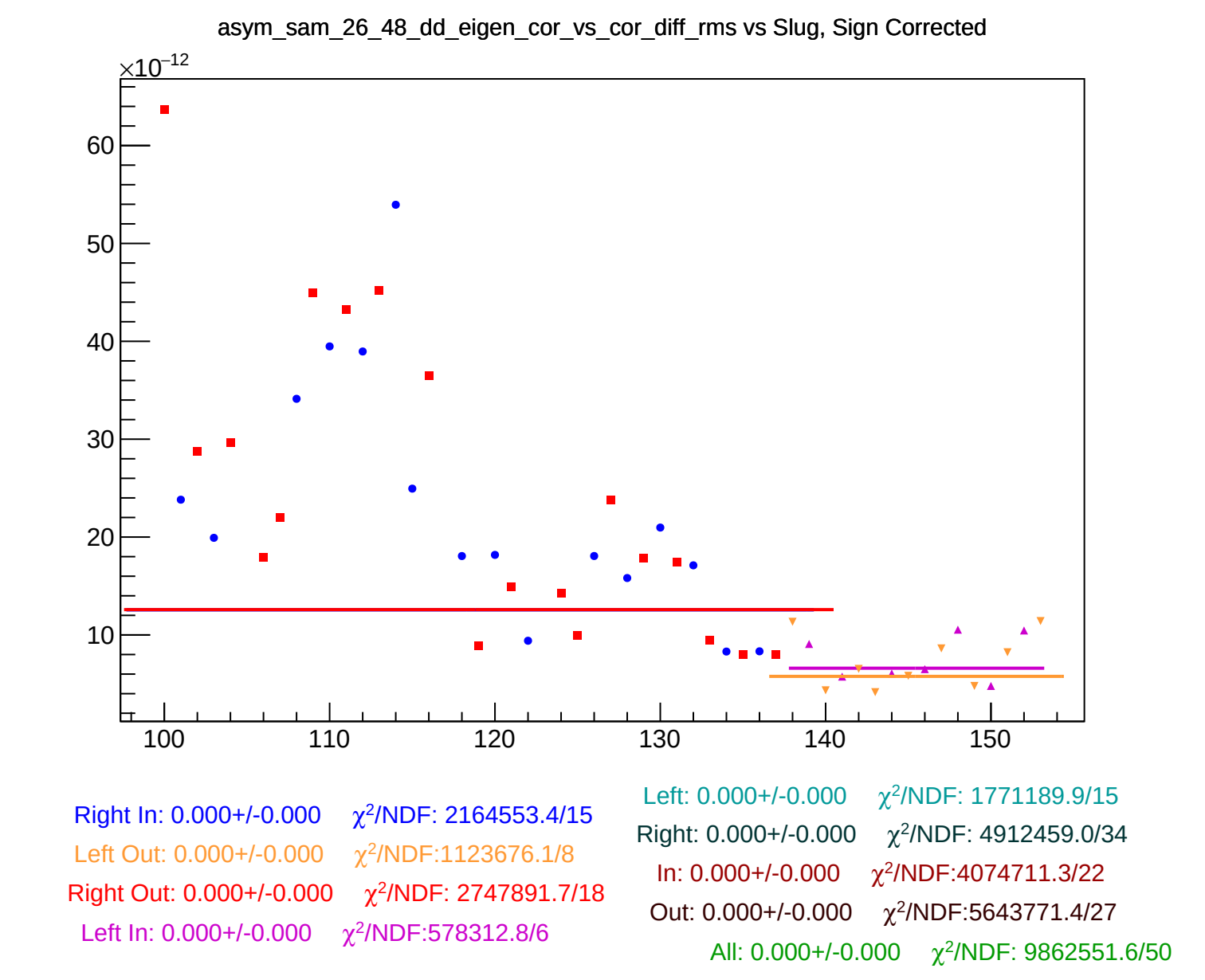
Left: -0.000+/-0.000 χ^2/NDF: 9.5/15

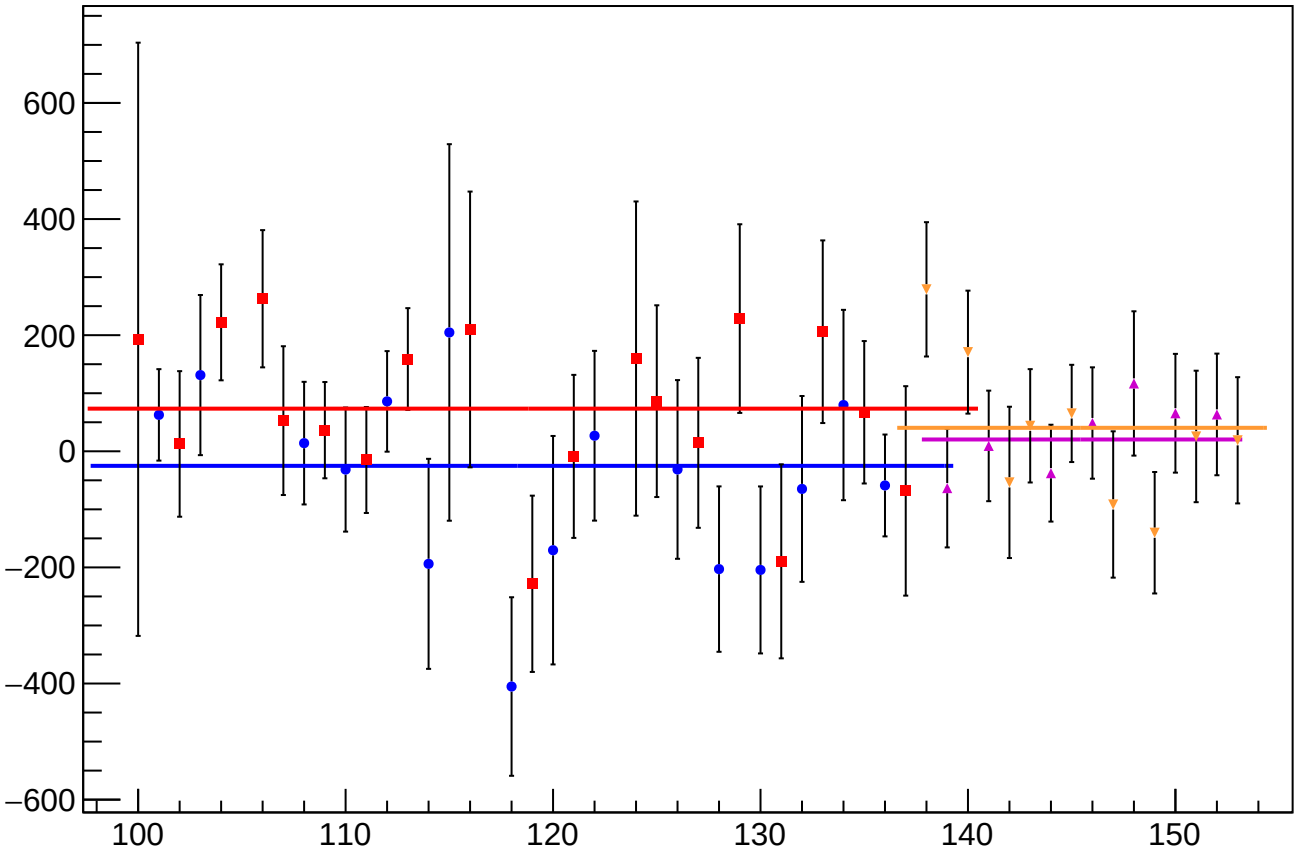
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:25.1/22

Out: -0.000+/-0.000 χ^2/NDF:24.0/27

All: -0.000+/-0.000 χ^2/NDF: 49.5/50


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
Right In: 0.000+/-0.000 χ²/NDF: 2164553.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1123676.1/8
Right Out: 0.000+/-0.000 χ²/NDF: 2747891.7/18
Left In: 0.000+/-0.000 χ²/NDF:578312.8/6
Left: 0.000+/-0.000 χ²/NDF: 1771189.9/15
Right: 0.000+/-0.000 χ²/NDF: 4912459.0/34
In: 0.000+/-0.000 χ²/NDF:4074711.3/22
Out: 0.000+/-0.000 χ²/NDF:5643771.4/27
All: 0.000+/-0.000 χ²/NDF: 9862551.6/50



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 40.434+/-35.640 χ^2/NDF:10.5/8

Right Out: 73.458+/-29.935 χ^2/NDF: 16.8/18

Left In: 20.343+/-37.530 χ^2/NDF:2.2/6

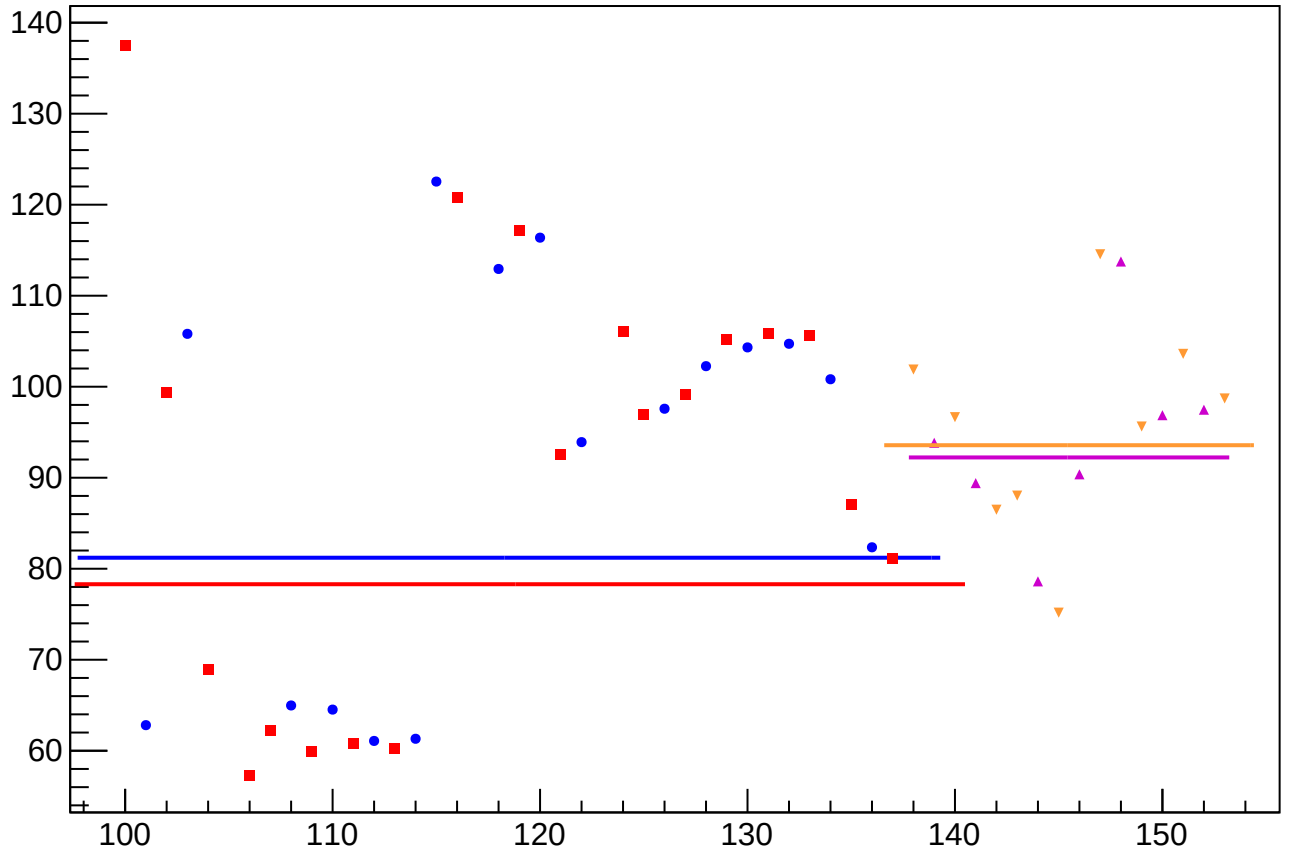
Left: 30.907+/-25.844 χ^2/NDF: 12.9/15

Right: 26.278+/-21.610 χ^2/NDF: 38.2/34

In: -6.491+/-24.006 χ^2/NDF:19.3/22

Out: 59.797+/-22.922 χ^2/NDF:27.8/27

All: 28.183+/-16.578 χ^2/NDF: 51.1/50



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 93.572+/-0.025 χ^2/NDF:197306.5/8

Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 92.229+/-0.027 χ^2/NDF:125446.5/6

Left: 92.935+/-0.018 χ^2/NDF: 324099.7/15

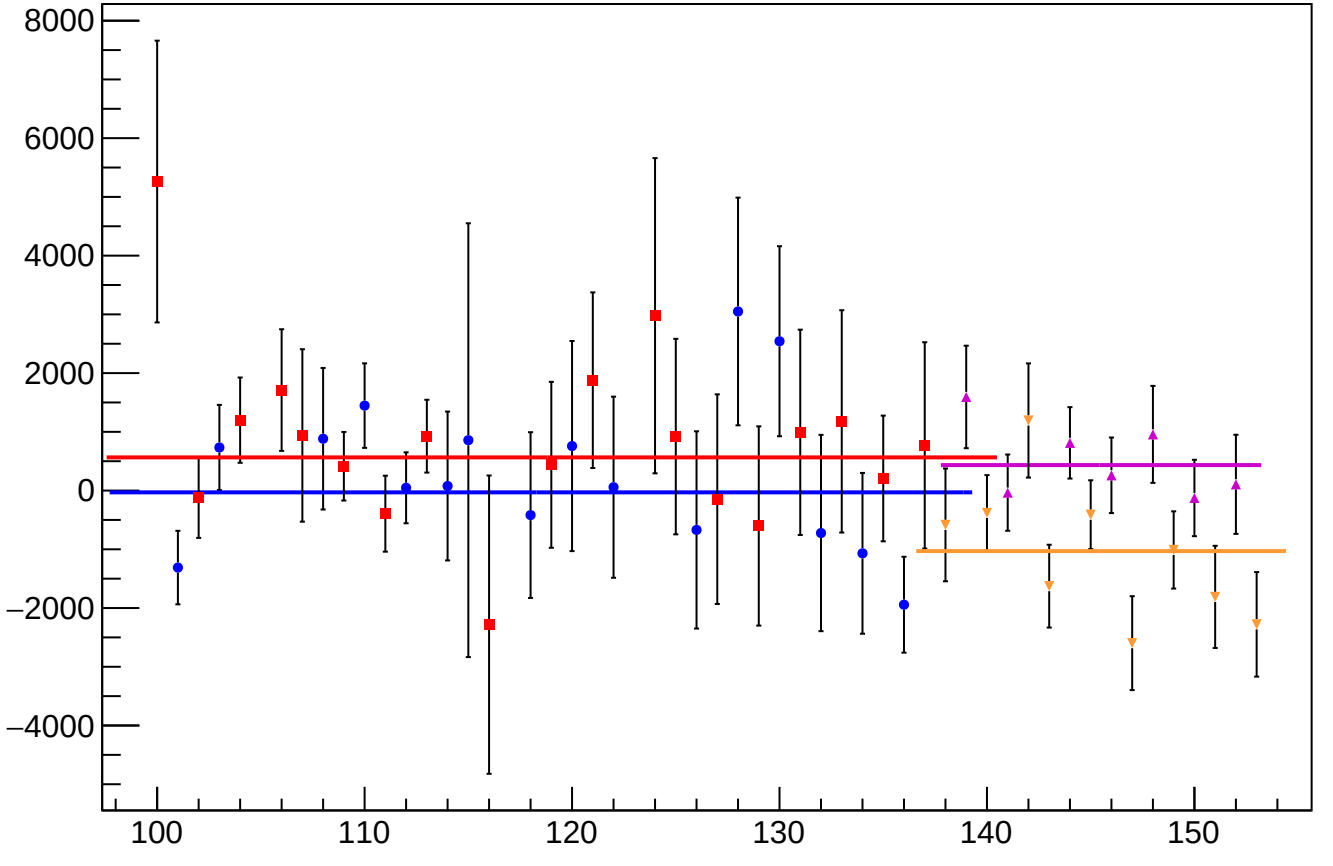
Right: 79.692+/-0.015 χ^2/NDF: 1731411.2/34

In: 85.718+/-0.017 χ^2/NDF:1014995.4/22

Out: 84.616+/-0.016 χ^2/NDF:1347359.2/27

All: 85.141+/-0.012 χ^2/NDF: 2364559.3/50

asym_sam_1548_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -30.407+/-256.999 χ^2/NDF: 21.9/15

Left Out: -1030.558+/-250.448 χ^2/NDF:14.9/8

Right Out: 564.890+/-238.492 χ^2/NDF: 13.3/18

Left In: 433.751+/-266.858 χ^2/NDF:4.0/6

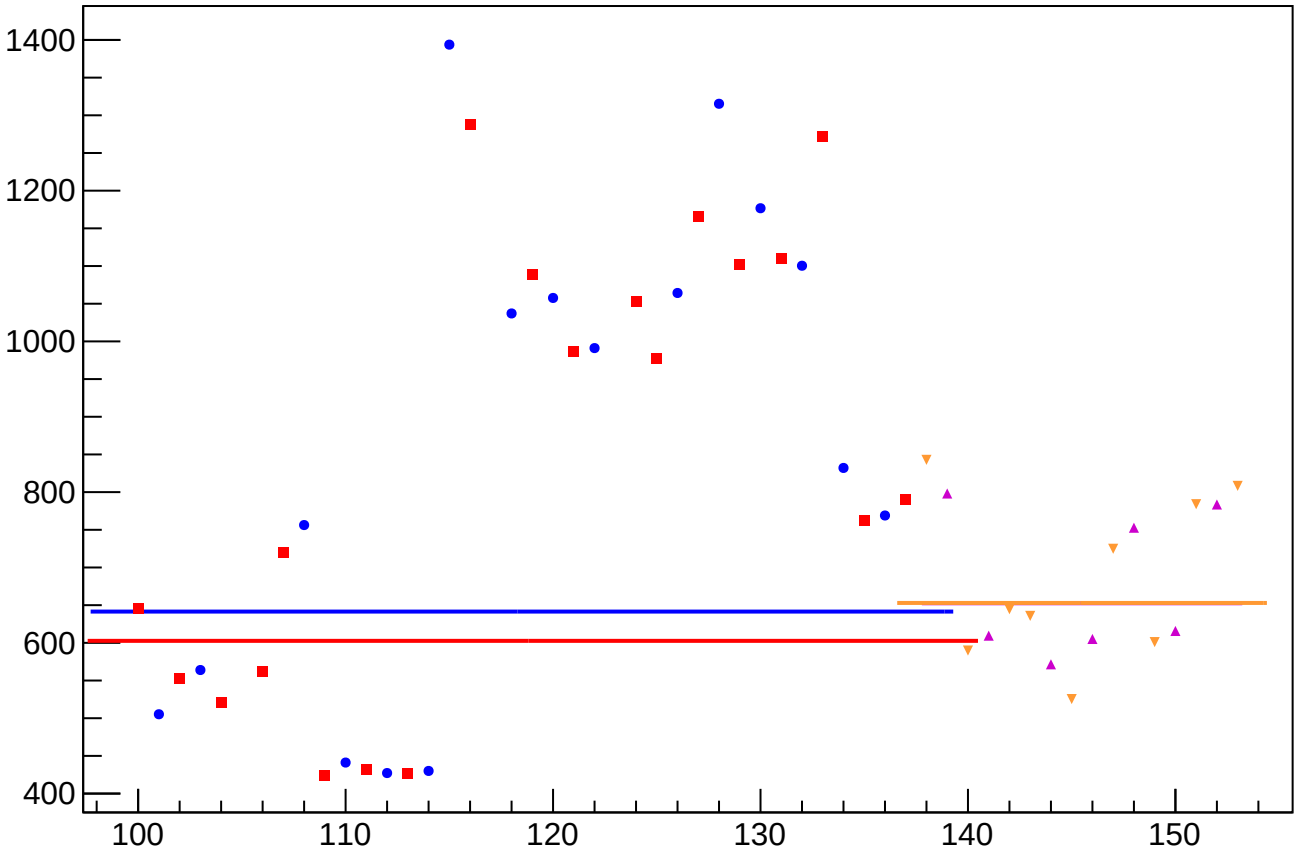
Left: -344.806+/-182.619 χ^2/NDF: 35.0/15

Right: 289.446+/-174.816 χ^2/NDF: 38.1/34

In: 192.940+/-185.113 χ^2/NDF:27.5/22

Out: -193.843+/-172.712 χ^2/NDF:49.5/27

All: -13.840+/-126.282 χ^2/NDF: 79.3/50



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 652.949+/-0.177 χ^2/NDF:328562.9/8

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

Left In: 652.523+/-0.189 χ^2/NDF:194926.3/6

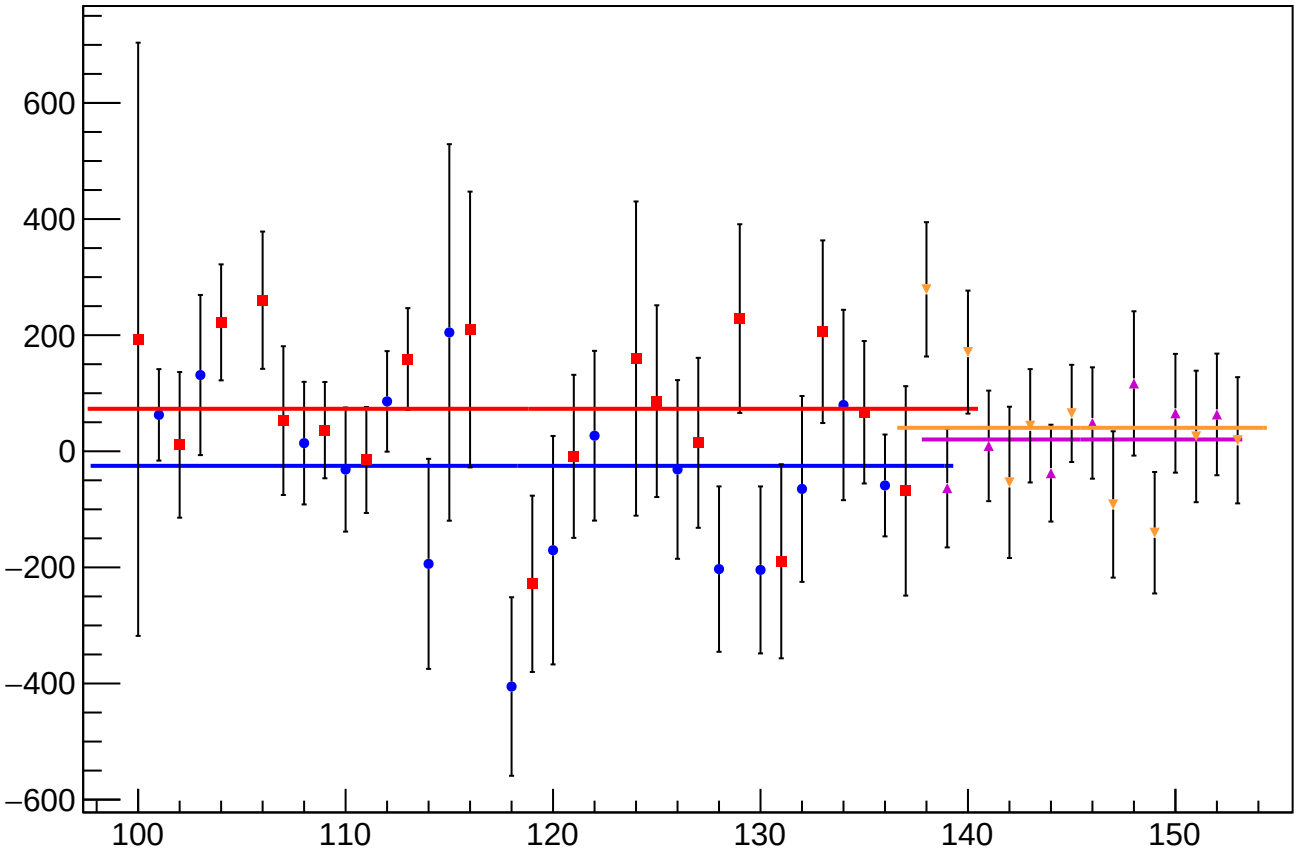
Left: 652.749+/-0.129 χ^2/NDF: 523492.0/15

Right: 620.627+/-0.124 χ^2/NDF: 3969848.5/34

In: 646.803+/-0.131 χ^2/NDF:2071688.0/22

Out: 626.572+/-0.122 χ^2/NDF:2441171.1/27

All: 635.987+/-0.089 χ^2/NDF: 4525630.4/50



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 40.442+/-35.640 χ^2/NDF:10.5/8

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 20.345+/-37.530 χ^2/NDF:2.2/6

Left: 30.912+/-25.844 χ^2/NDF: 12.9/15

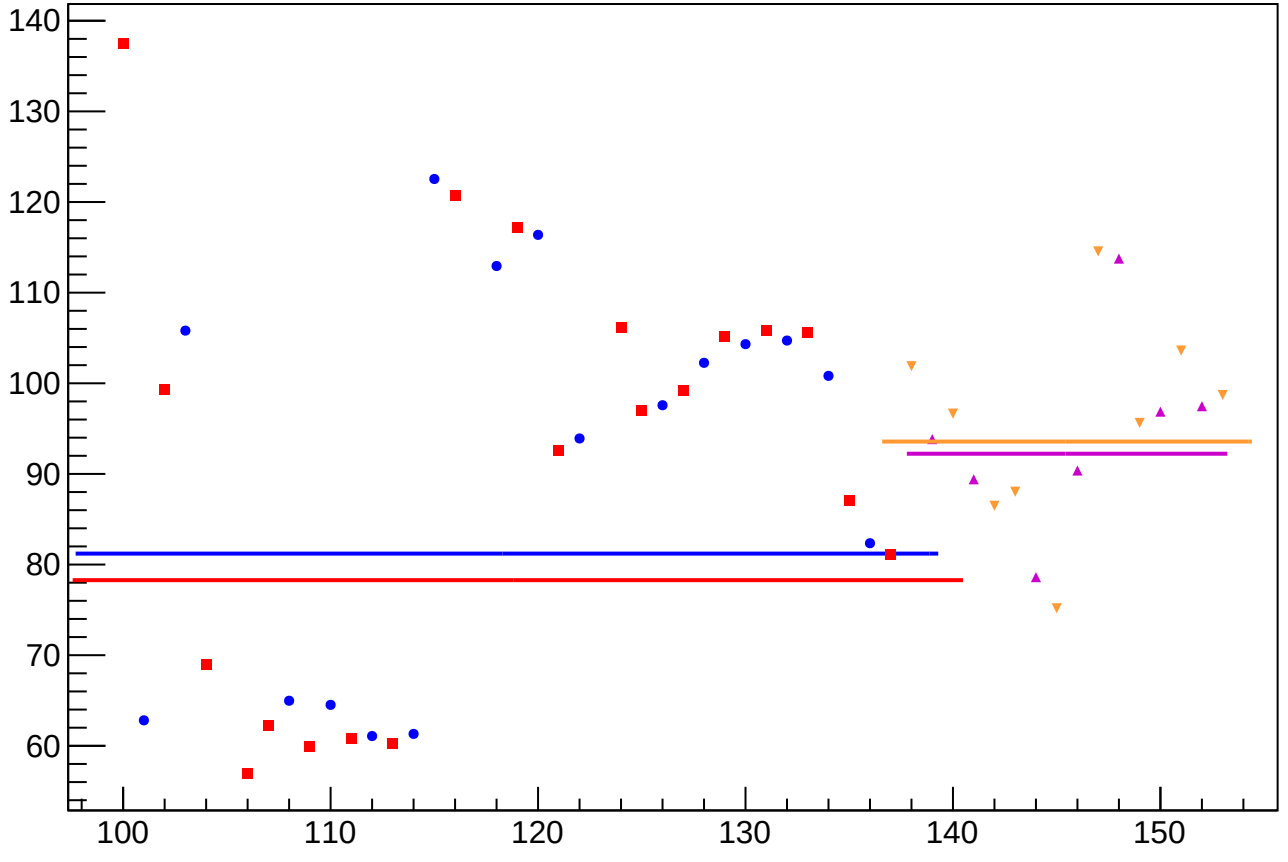
Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: -6.492+/-24.006 χ^2/NDF:19.3/22

Out: 59.644+/-22.923 χ^2/NDF:27.7/27

All: 28.101+/-16.578 χ^2/NDF: 51.0/50

cor_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 93.572+/-0.025 χ^2/NDF:197306.5/8

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 92.229+/-0.027 χ^2/NDF:125446.5/6

Left: 92.935+/-0.018 χ^2/NDF: 324099.7/15

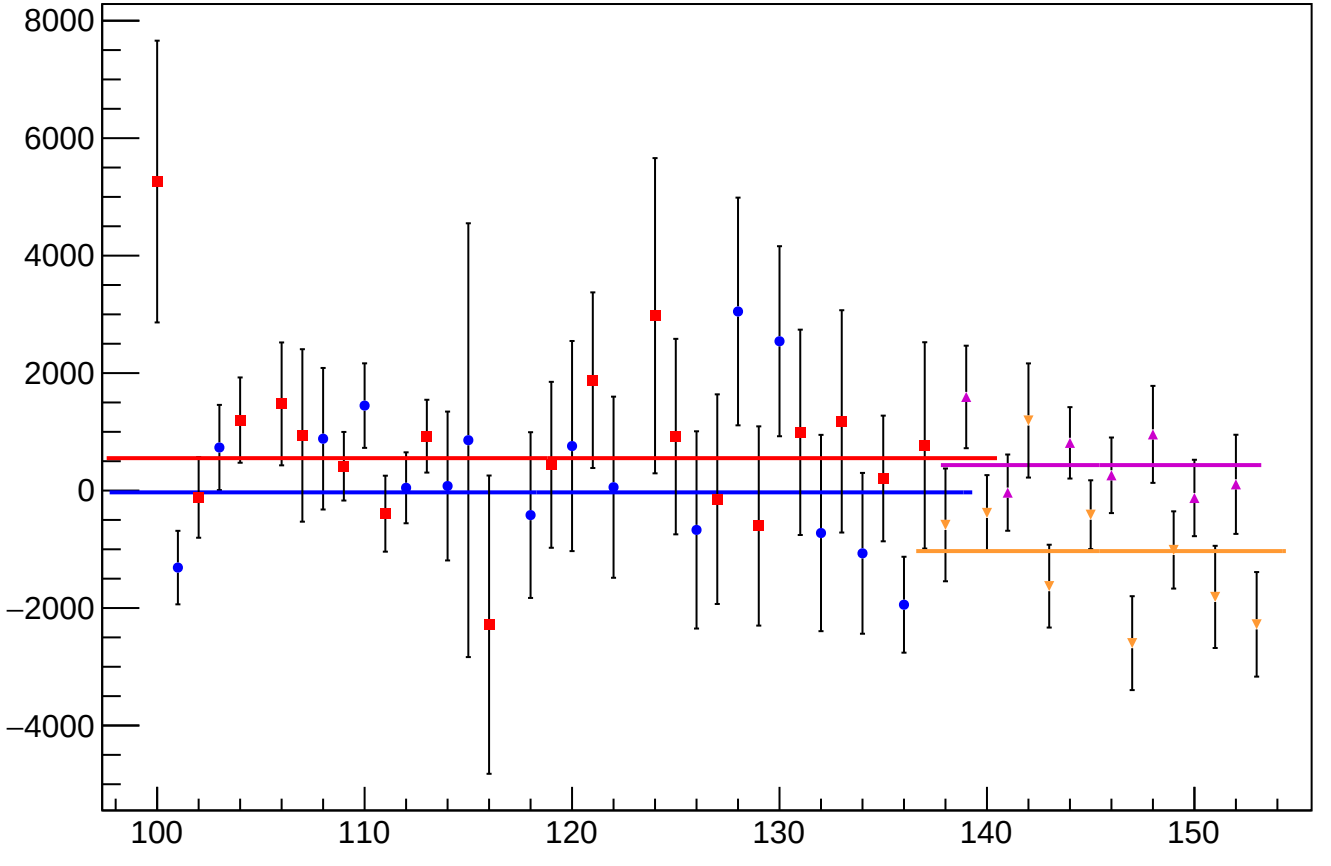
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 85.718+/-0.017 χ^2/NDF:1014997.4/22

Out: 84.605+/-0.016 χ^2/NDF:1350012.8/27

All: 85.136+/-0.012 χ^2/NDF: 2367257.0/50

asym_sam_1548_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -1030.552+/-250.448 χ^2/NDF:14.9/8

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 433.758+/-266.858 χ^2/NDF:4.0/6

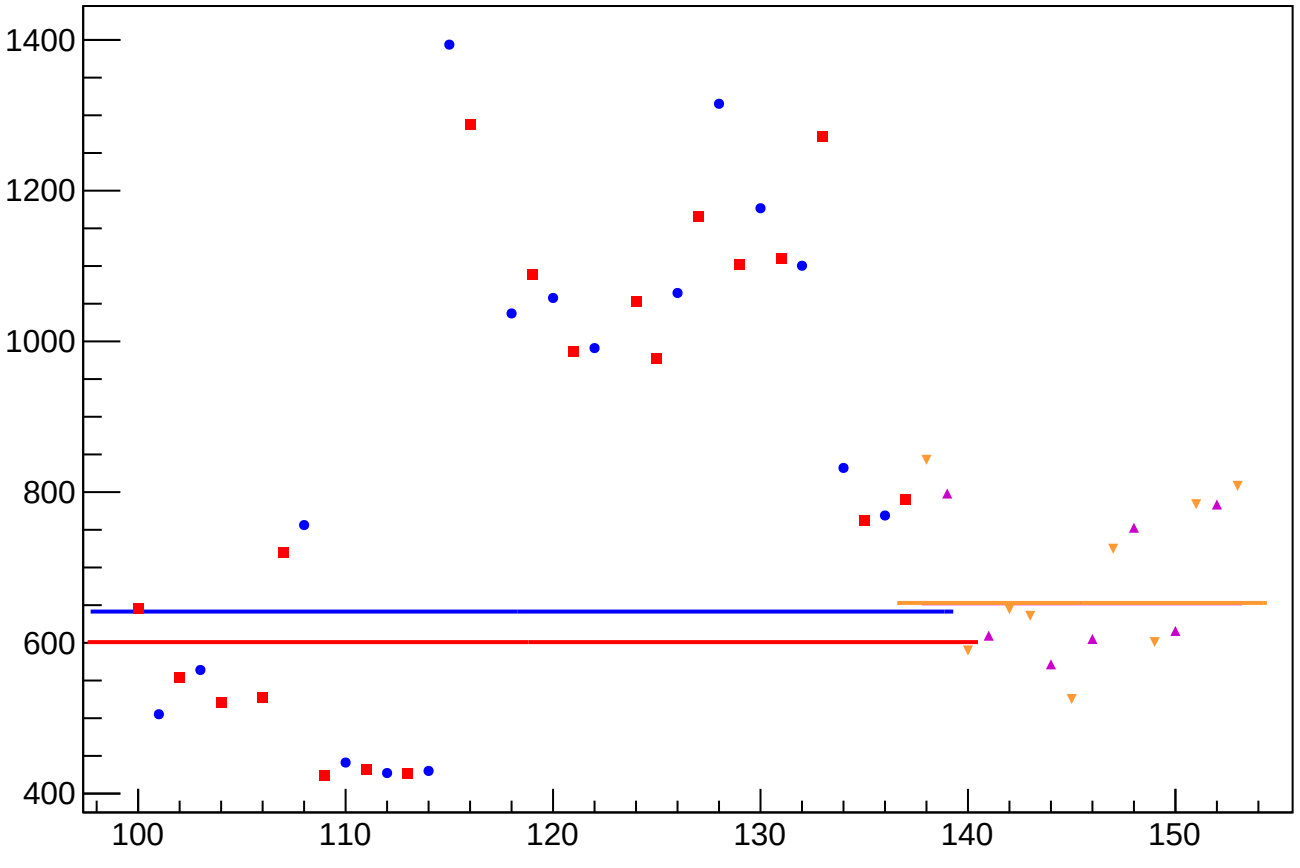
Left: -344.799+/-182.619 χ^2/NDF: 35.0/15

Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 192.933+/-185.114 χ^2/NDF:27.5/22

Out: -201.117+/-172.768 χ^2/NDF:48.7/27

All: -17.670+/-126.305 χ^2/NDF: 78.6/50



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 652.949+/-0.177 χ^2/NDF:328565.0/8

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 652.523+/-0.189 χ^2/NDF:194925.1/6

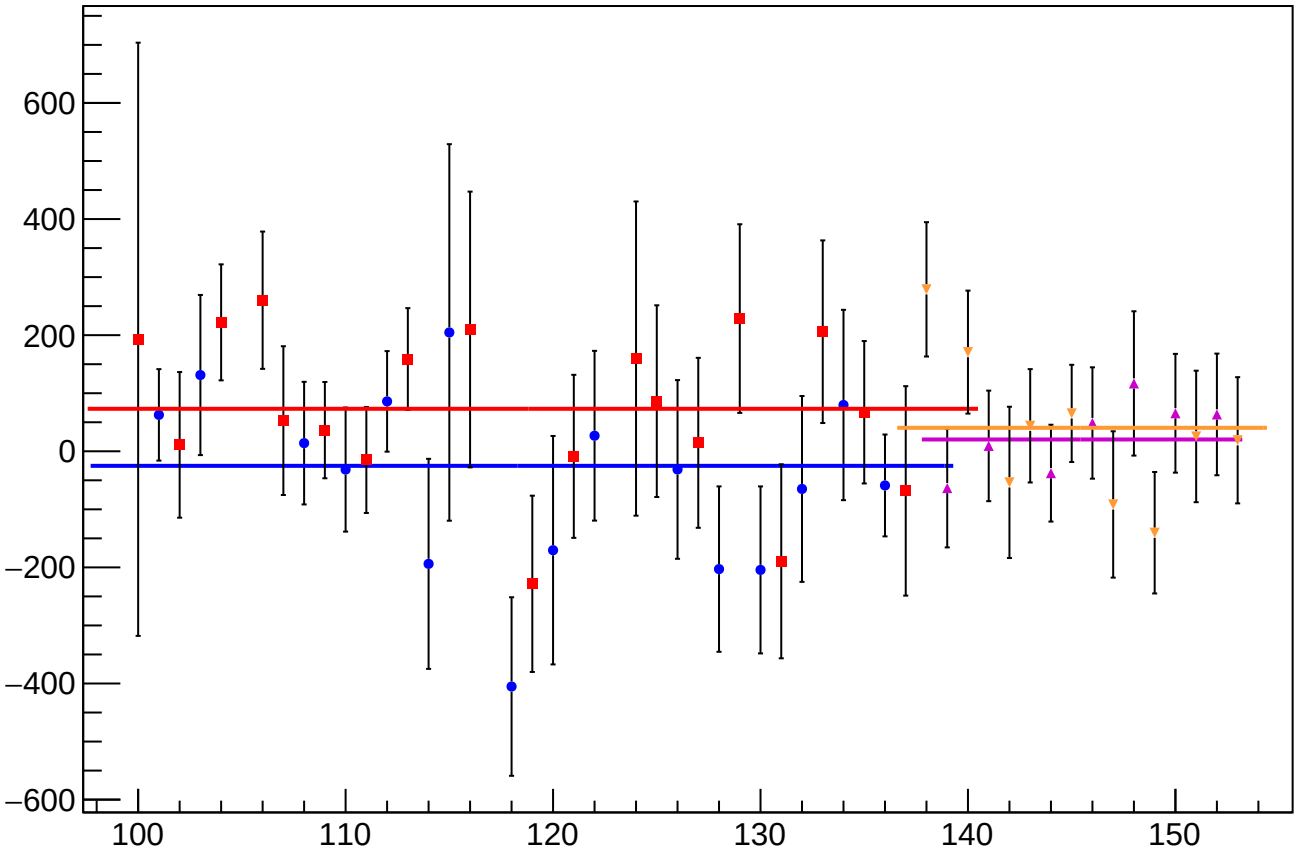
Left: 652.750+/-0.129 χ^2/NDF: 523492.8/15

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 646.808+/-0.131 χ^2/NDF:2071643.1/22

Out: 625.708+/-0.122 χ^2/NDF:2450941.3/27

All: 635.531+/-0.089 χ^2/NDF: 4536472.1/50



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 40.442+/-35.640 χ^2/NDF:10.5/8

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 20.345+/-37.530 χ^2/NDF:2.2/6

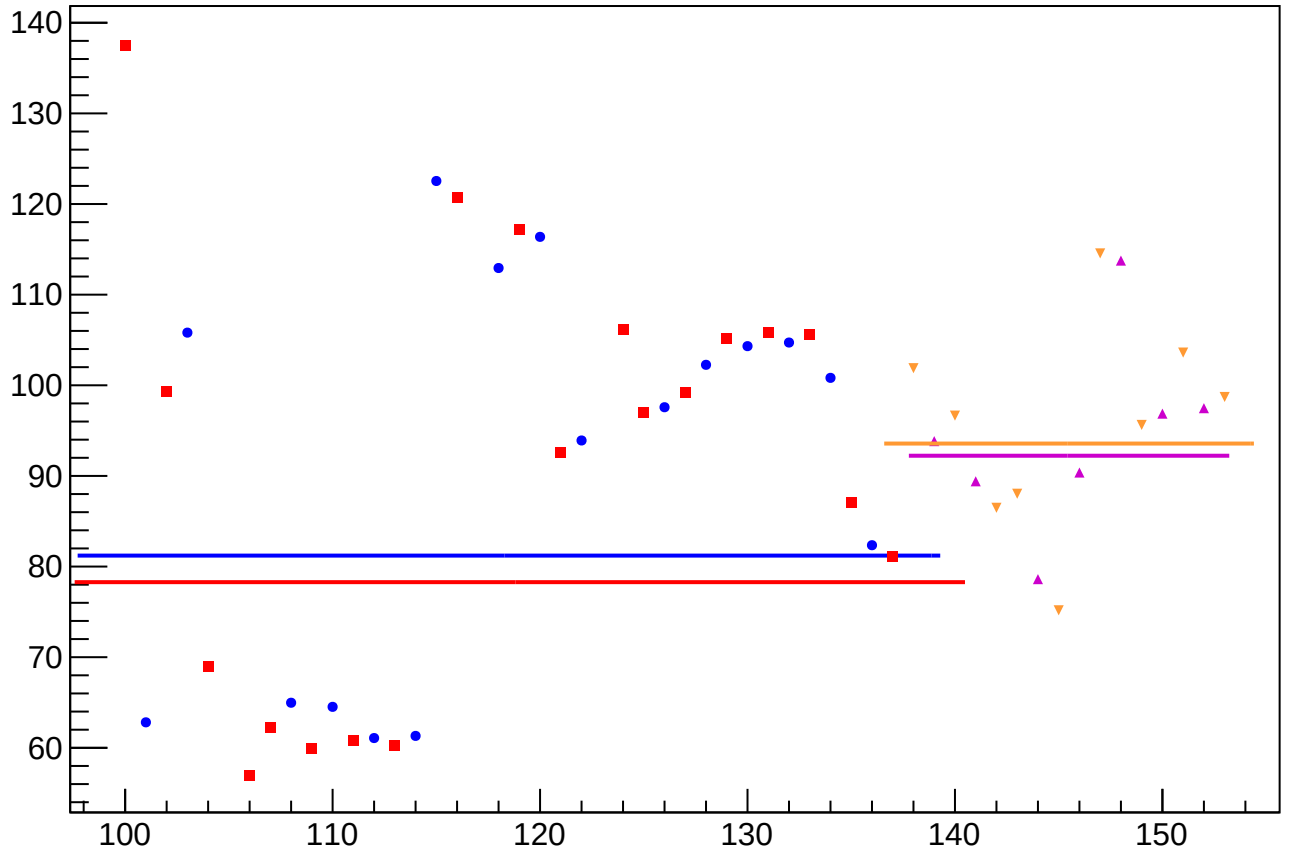
Left: 30.912+/-25.844 χ^2/NDF: 12.9/15

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: -6.492+/-24.006 χ^2/NDF:19.3/22

Out: 59.644+/-22.923 χ^2/NDF:27.7/27

All: 28.101+/-16.578 χ^2/NDF: 51.0/50



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 93.572+/-0.025 χ^2/NDF:197306.5/8

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 92.229+/-0.027 χ^2/NDF:125446.5/6

Left: 92.935+/-0.018 χ^2/NDF: 324099.7/15

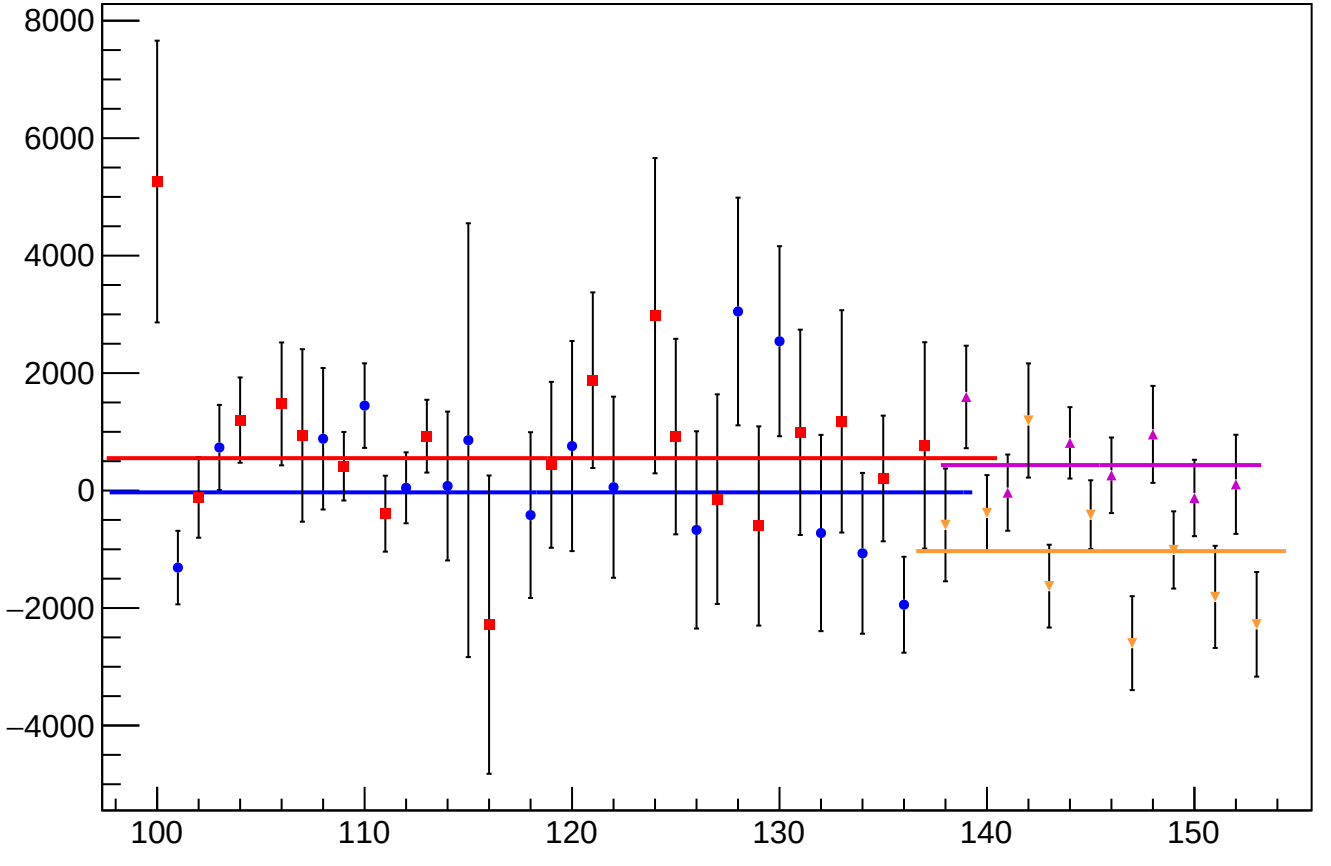
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 85.718+/-0.017 χ^2/NDF:1014997.4/22

Out: 84.605+/-0.016 χ^2/NDF:1350012.8/27

All: 85.136+/-0.012 χ^2/NDF: 2367257.0/50

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: -1030.552+/-250.448 χ^2/NDF:14.9/8

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 433.758+/-266.858 χ^2/NDF:4.0/6

Left: -344.799+/-182.619 χ^2/NDF: 35.0/15

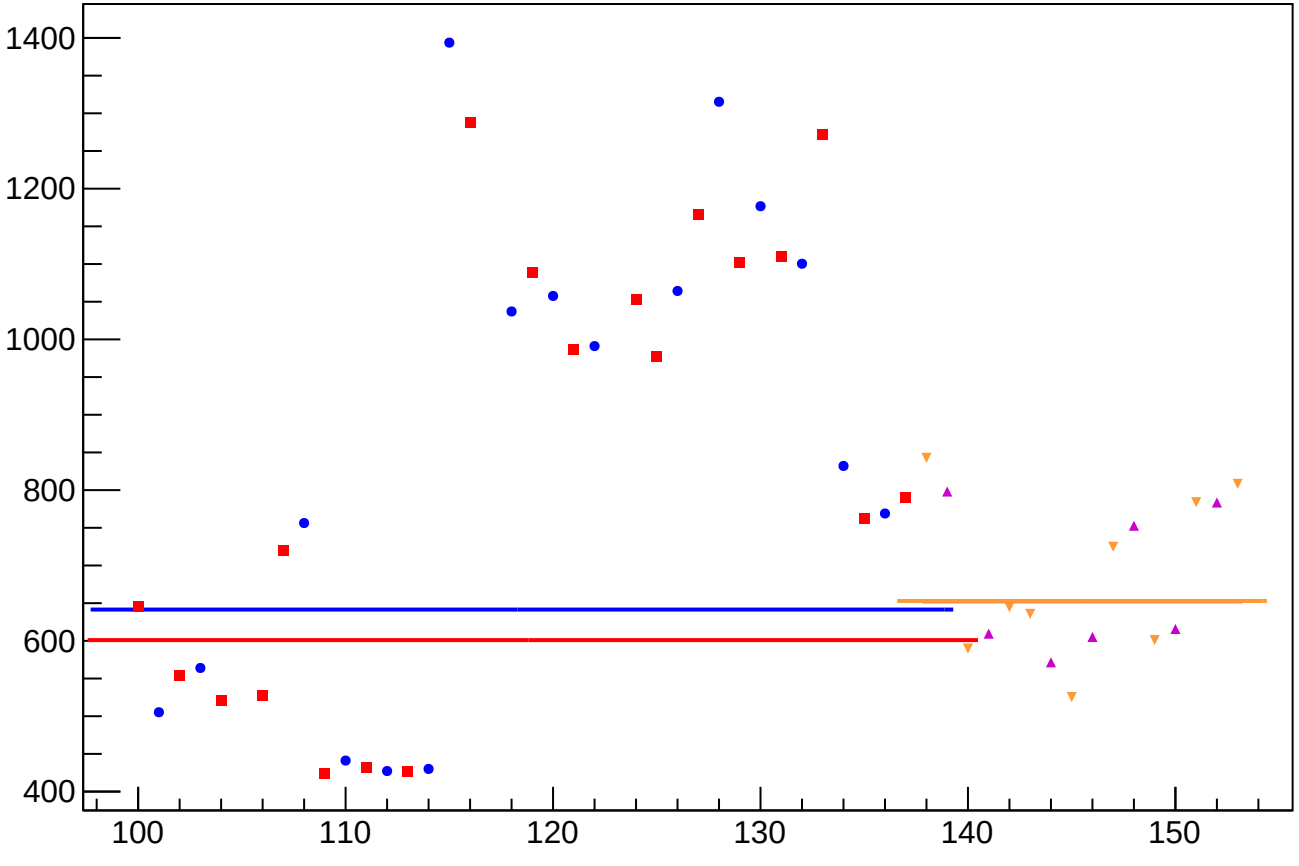
Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 192.933+/-185.114 χ^2/NDF:27.5/22

Out: -201.117+/-172.768 χ^2/NDF:48.7/27

All: -17.670+/-126.305 χ^2/NDF: 78.6/50

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: 652.949+/-0.177 χ^2/NDF:328565.0/8

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 652.523+/-0.189 χ^2/NDF:194925.1/6

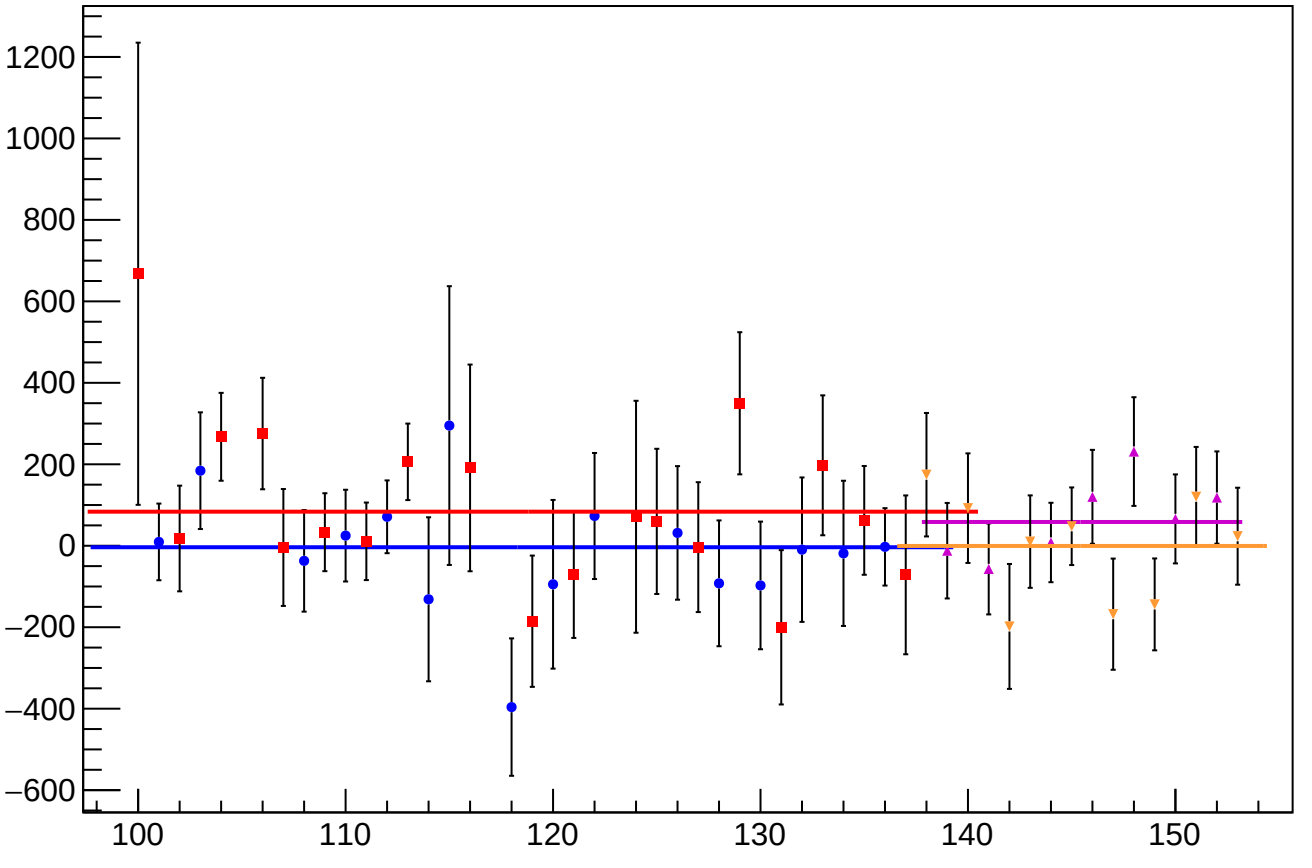
Left: 652.750+/-0.129 χ^2/NDF: 523492.8/15

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 646.808+/-0.131 χ^2/NDF:2071643.1/22

Out: 625.708+/-0.122 χ^2/NDF:2450941.3/27

All: 635.531+/-0.089 χ^2/NDF: 4536472.1/50



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: -0.475+/-40.863 χ^2/NDF:7.9/8

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 58.385+/-42.589 χ^2/NDF:3.9/6

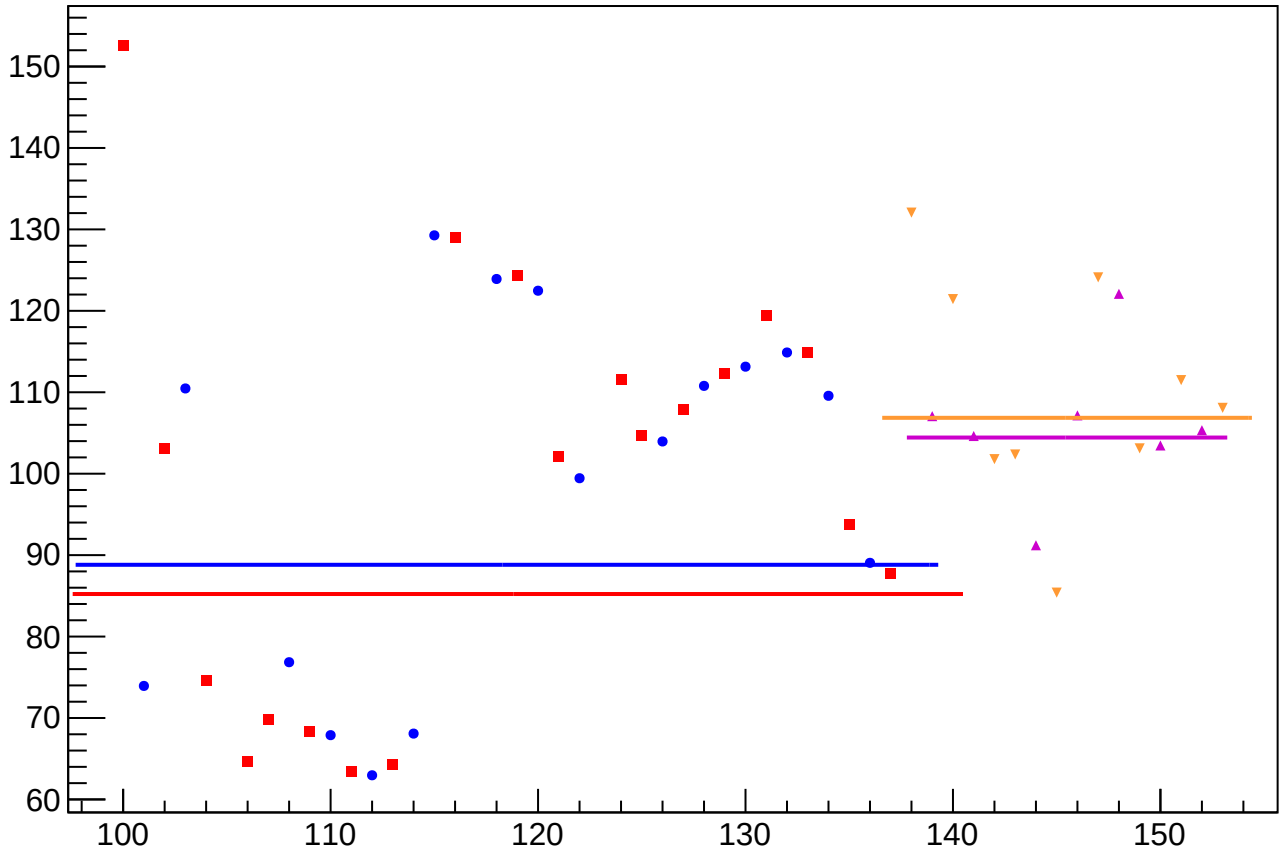
Left: 27.738+/-29.486 χ^2/NDF: 12.8/15

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 20.638+/-26.644 χ^2/NDF:15.6/22

Out: 50.908+/-25.499 χ^2/NDF:29.5/27

All: 36.437+/-18.422 χ^2/NDF: 45.8/50



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 106.862+/-0.029 χ^2/NDF:222848.9/8

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

Left In: 104.439+/-0.030 χ^2/NDF:74243.2/6

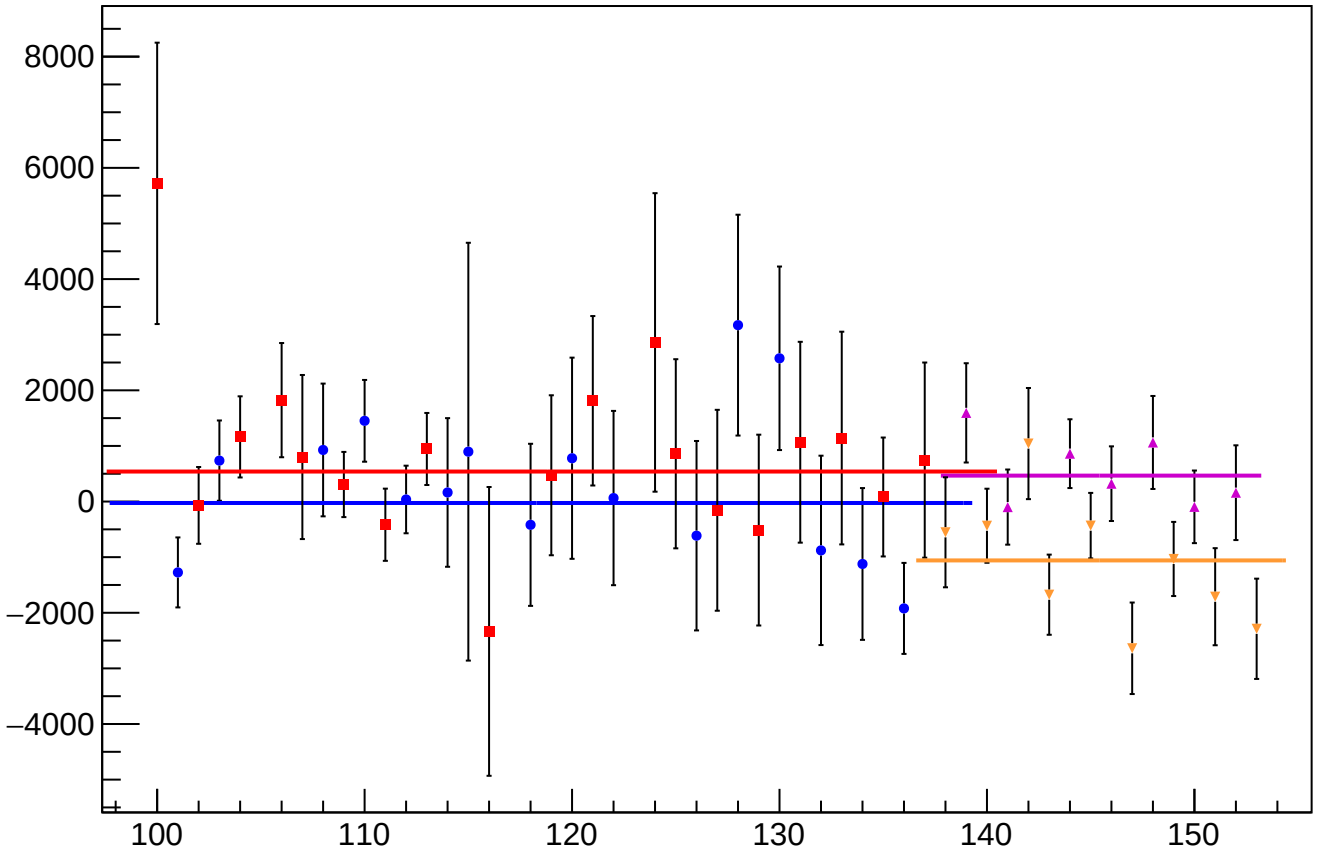
Left: 105.701+/-0.021 χ^2/NDF: 300462.1/15

Right: 86.937+/-0.017 χ^2/NDF: 1620225.0/34

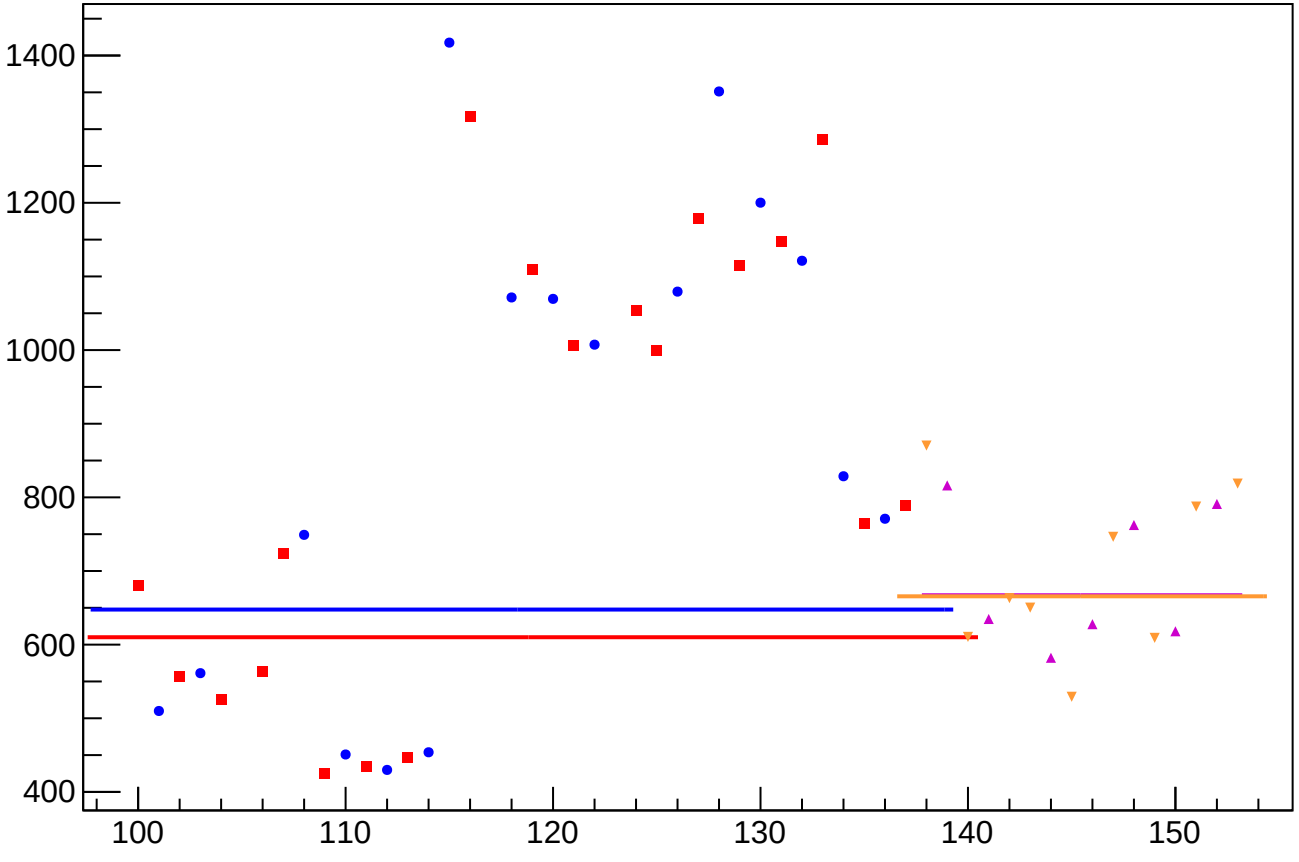
In: 94.929+/-0.019 χ^2/NDF:962715.9/22

Out: 93.650+/-0.018 χ^2/NDF:1449326.3/27

All: 94.262+/-0.013 χ^2/NDF: 2414446.3/50


asym_sam_1548_avg_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
Right In: -25.770+/-259.401 χ²/NDF: 21.6/15
Left Out: -1058.551+/-255.152 χ²/NDF:13.5/8
Right Out: 539.635+/-241.238 χ²/NDF: 13.6/18
Left In: 466.210+/-272.826 χ²/NDF:4.1/6
Left: -347.156+/-186.355 χ²/NDF: 34.3/15
Right: 277.418+/-176.654 χ²/NDF: 37.7/34
In: 207.818+/-187.991 χ²/NDF:27.4/22
Out: -214.698+/-175.294 χ²/NDF:47.9/27
All: -18.190+/-128.205 χ²/NDF: 78.0/50

asym_sam_1548_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 665.623+/-0.180 χ^2/NDF:337942.4/8

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

Left In: 667.078+/-0.193 χ^2/NDF:184564.7/6

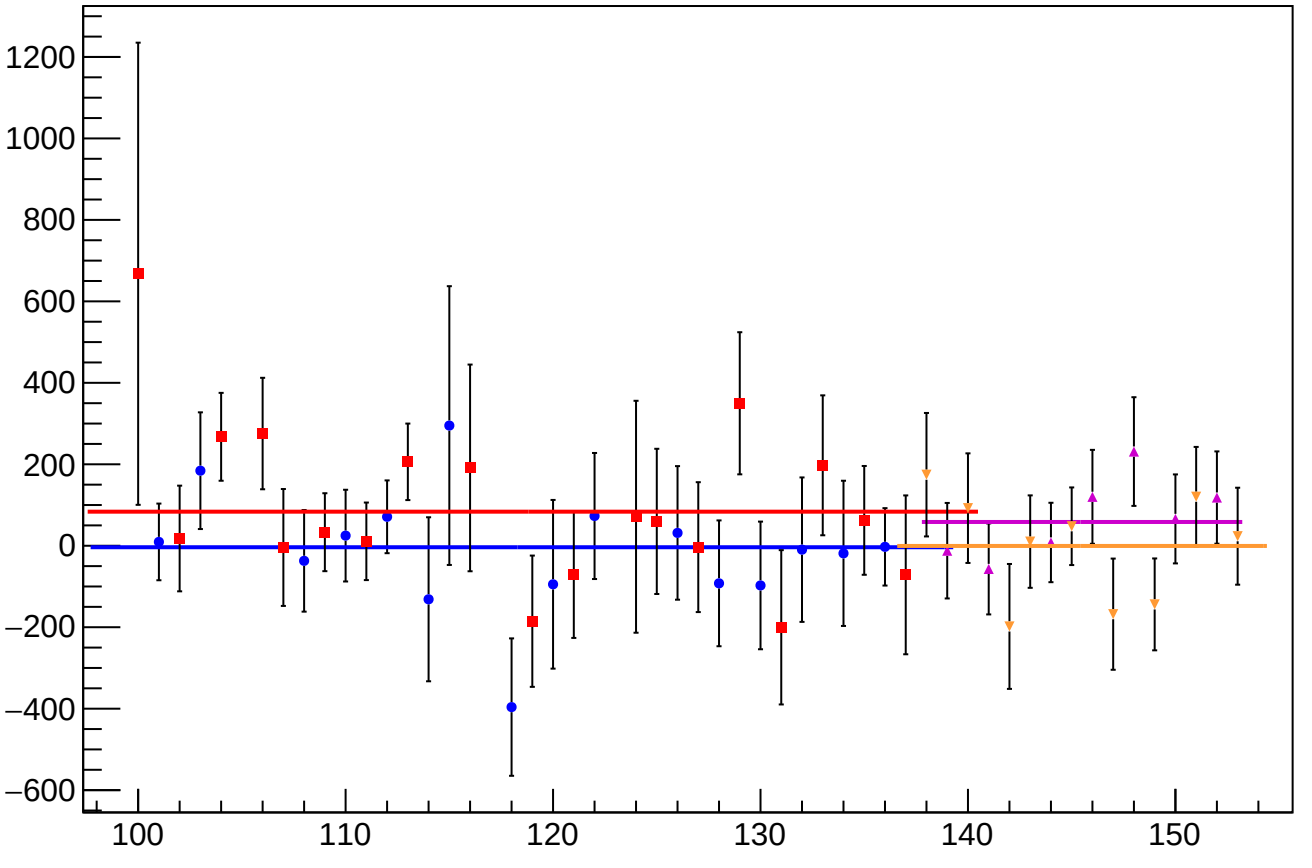
Left: 666.302+/-0.132 χ^2/NDF: 522537.5/15

Right: 627.489+/-0.125 χ^2/NDF: 3984572.9/34

In: 656.869+/-0.133 χ^2/NDF:2077712.4/22

Out: 636.286+/-0.124 χ^2/NDF:2462267.8/27

All: 645.859+/-0.091 χ^2/NDF: 4552805.9/50



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: -0.475+/-40.863 χ^2/NDF:7.9/8

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 58.386+/-42.589 χ^2/NDF:3.9/6

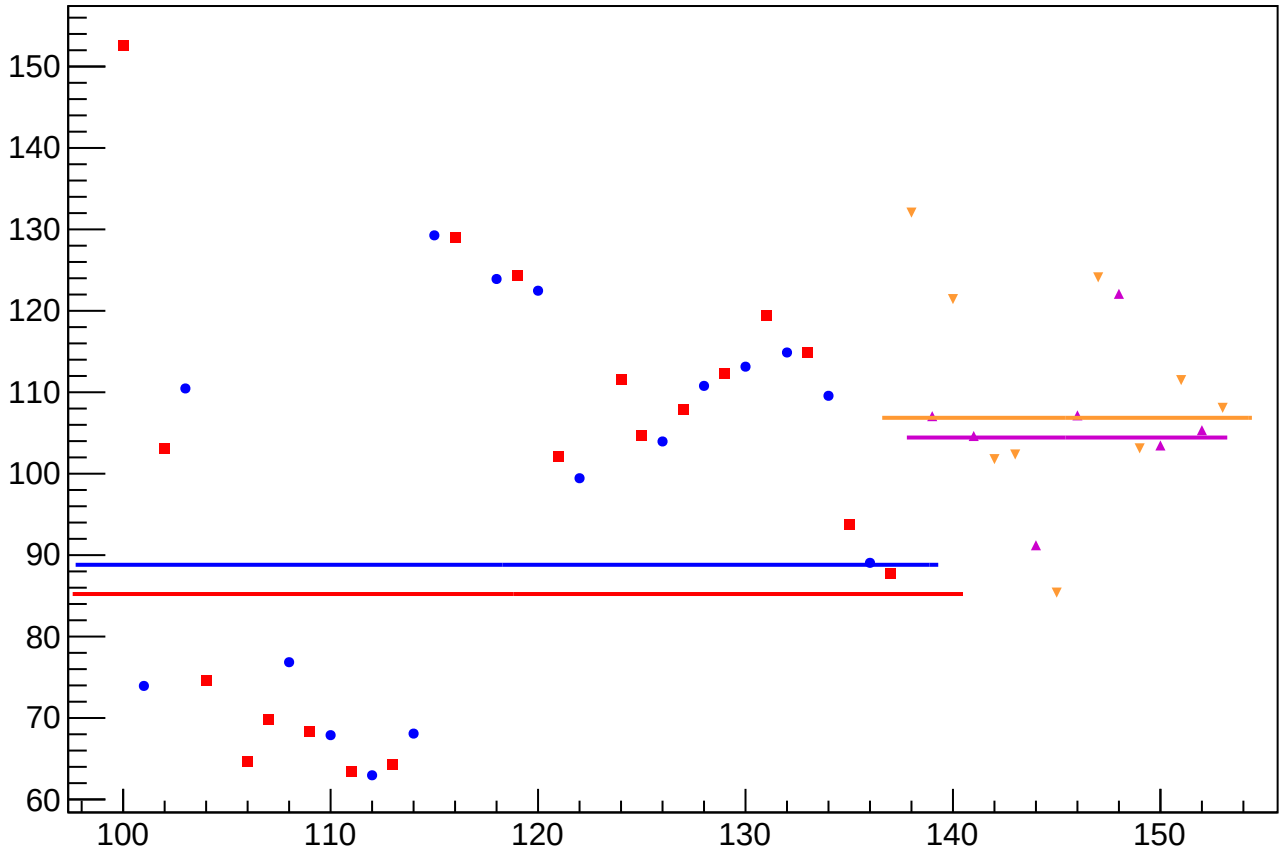
Left: 27.739+/-29.486 χ^2/NDF: 12.8/15

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 20.639+/-26.644 χ^2/NDF:15.6/22

Out: 50.908+/-25.499 χ^2/NDF:29.5/27

All: 36.438+/-18.422 χ^2/NDF: 45.8/50



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 106.862+/-0.029 χ^2/NDF:222847.3/8

Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 104.440+/-0.030 χ^2/NDF:74243.0/6

Left: 105.701+/-0.021 χ^2/NDF: 300460.2/15

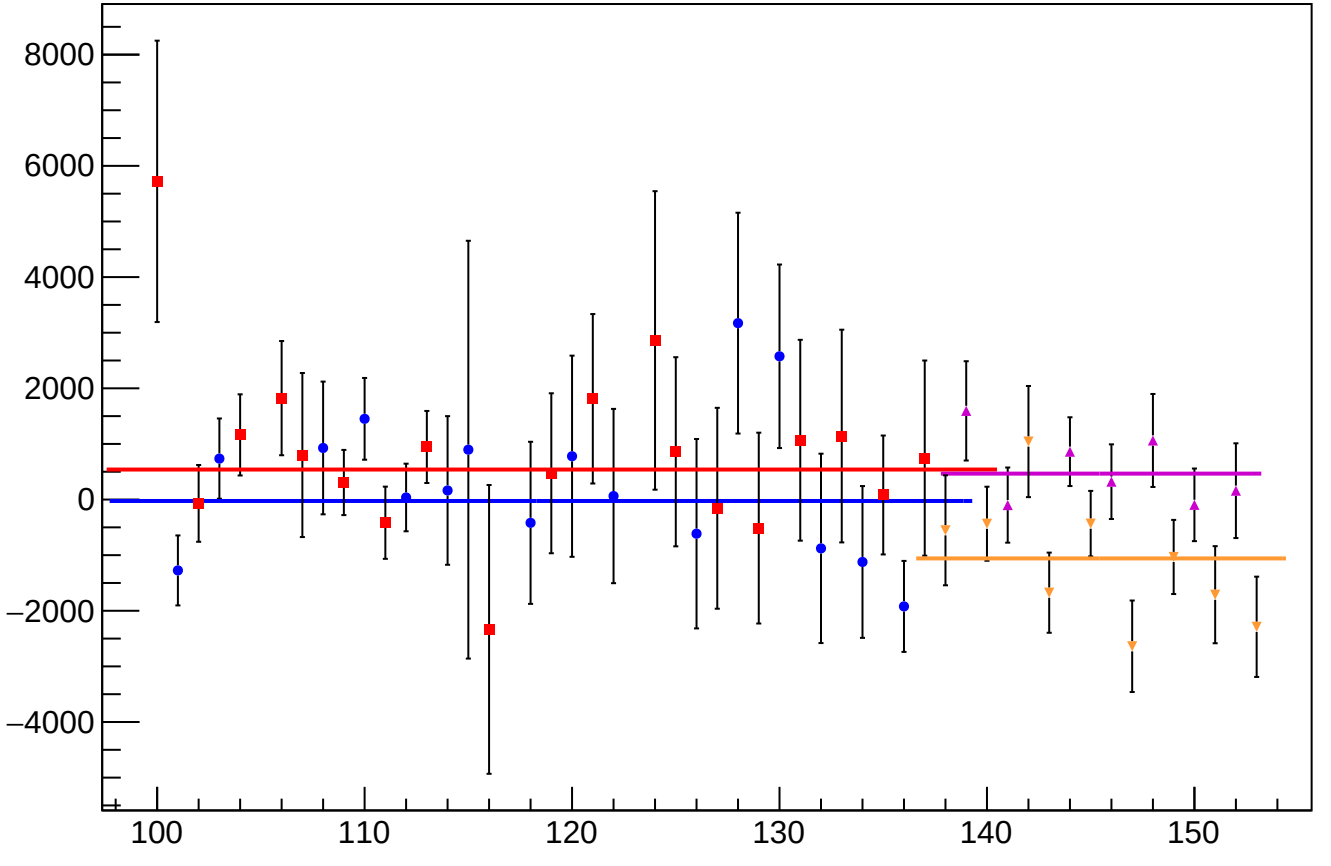
Right: 86.937+/-0.017 χ^2/NDF: 1620226.9/34

In: 94.929+/-0.019 χ^2/NDF:962721.2/22

Out: 93.650+/-0.018 χ^2/NDF:1449334.5/27

All: 94.262+/-0.013 χ^2/NDF: 2414459.9/50

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: -1058.551+/-255.151 χ^2/NDF:13.5/8

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 466.210+/-272.826 χ^2/NDF:4.1/6

Left: -347.156+/-186.355 χ^2/NDF: 34.3/15

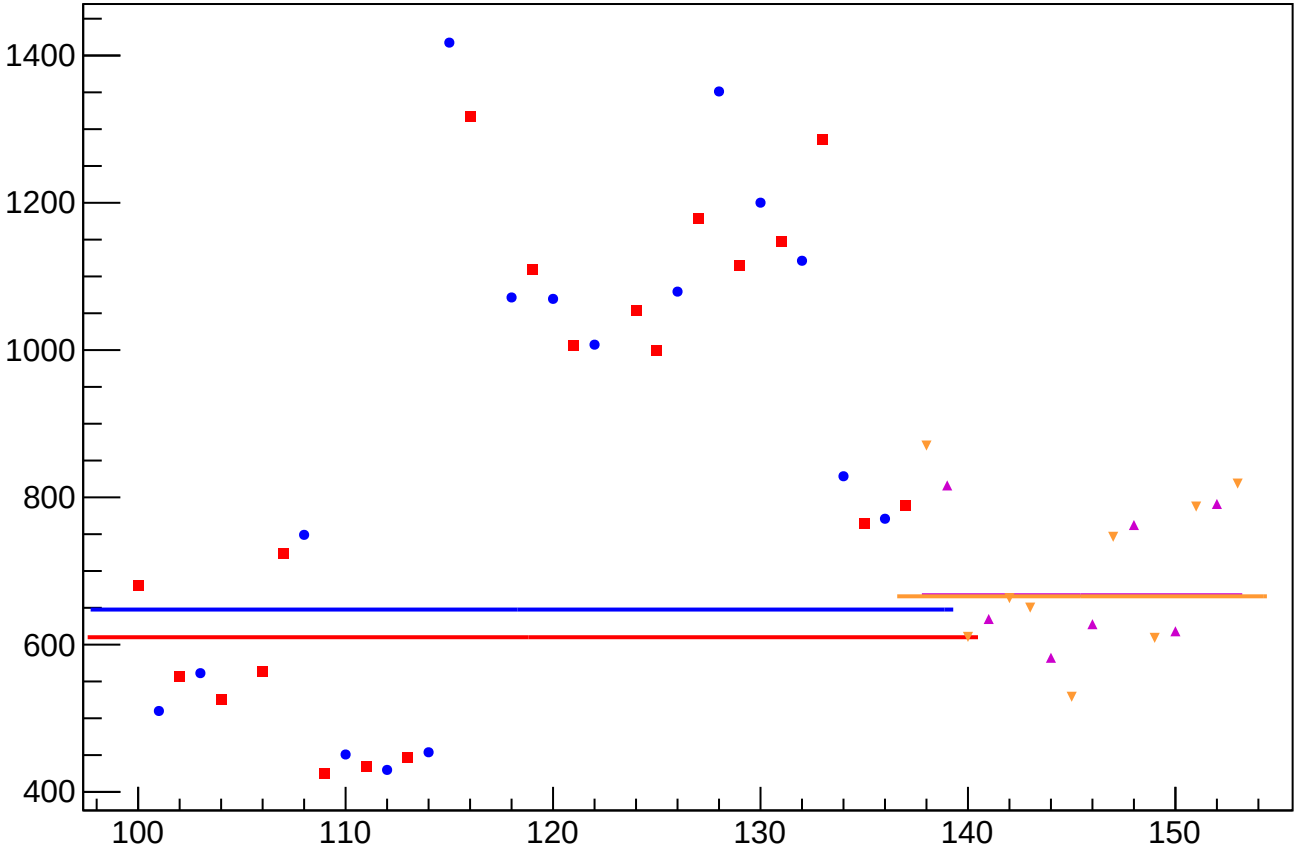
Right: 277.418+/-176.653 χ^2/NDF: 37.7/34

In: 207.818+/-187.991 χ^2/NDF:27.4/22

Out: -214.698+/-175.293 χ^2/NDF:47.9/27

All: -18.190+/-128.205 χ^2/NDF: 78.0/50

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 647.640+/-0.183 χ^2/NDF: 1887820.6/15

Left Out: 665.623+/-0.180 χ^2/NDF:337944.1/8

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

Left In: 667.078+/-0.193 χ^2/NDF:184563.8/6

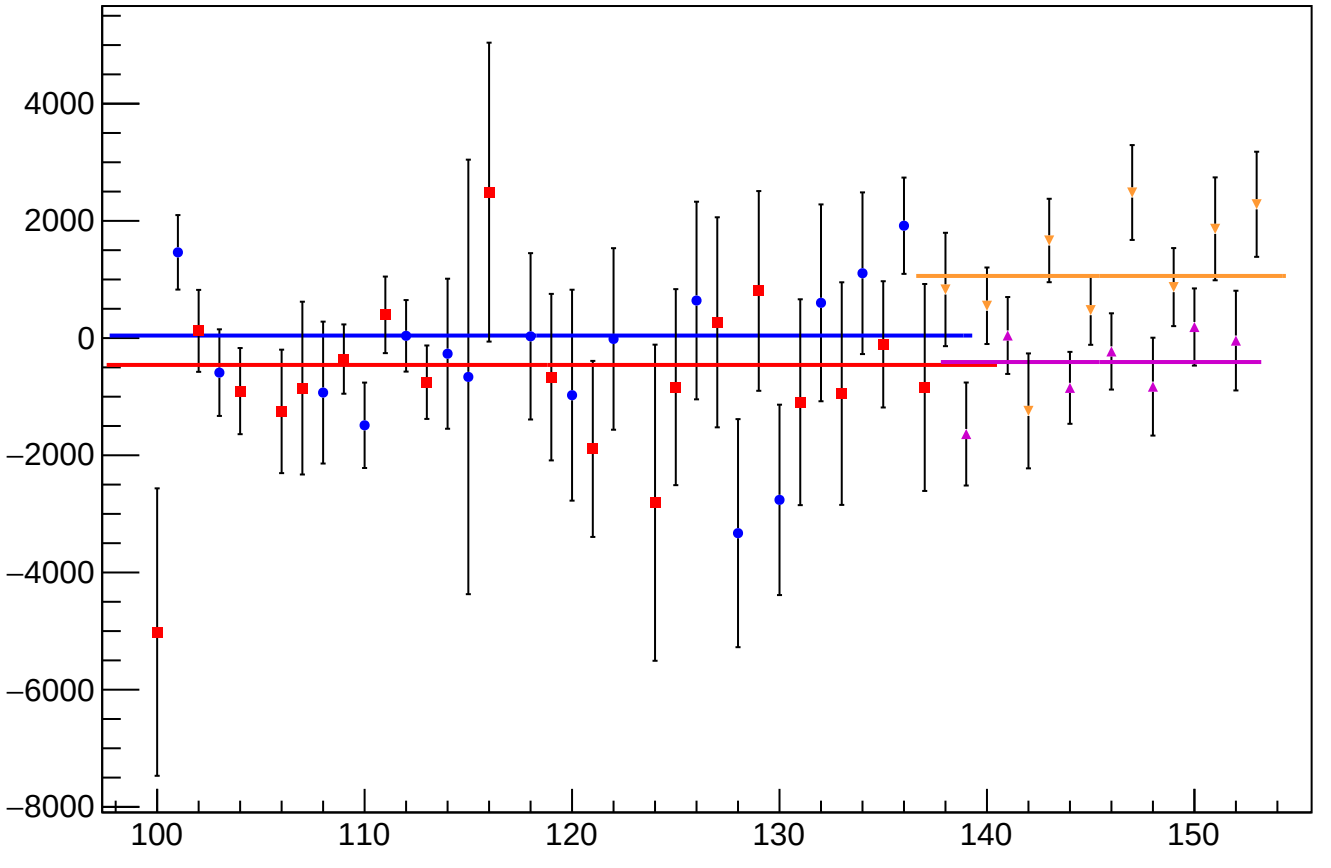
Left: 666.302+/-0.132 χ^2/NDF: 522538.3/15

Right: 627.488+/-0.125 χ^2/NDF: 3984580.5/34

In: 656.869+/-0.133 χ^2/NDF:2077716.7/22

Out: 636.285+/-0.124 χ^2/NDF:2462273.1/27

All: 645.859+/-0.091 χ^2/NDF: 4552815.7/50



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 1060.292+/-253.129 χ^2/NDF:13.7/8

Right Out: -458.111+/-241.118 χ^2/NDF: 11.3/18

Left In: -408.629+/-269.627 χ^2/NDF:4.3/6

Left: 372.144+/-184.546 χ^2/NDF: 33.8/15

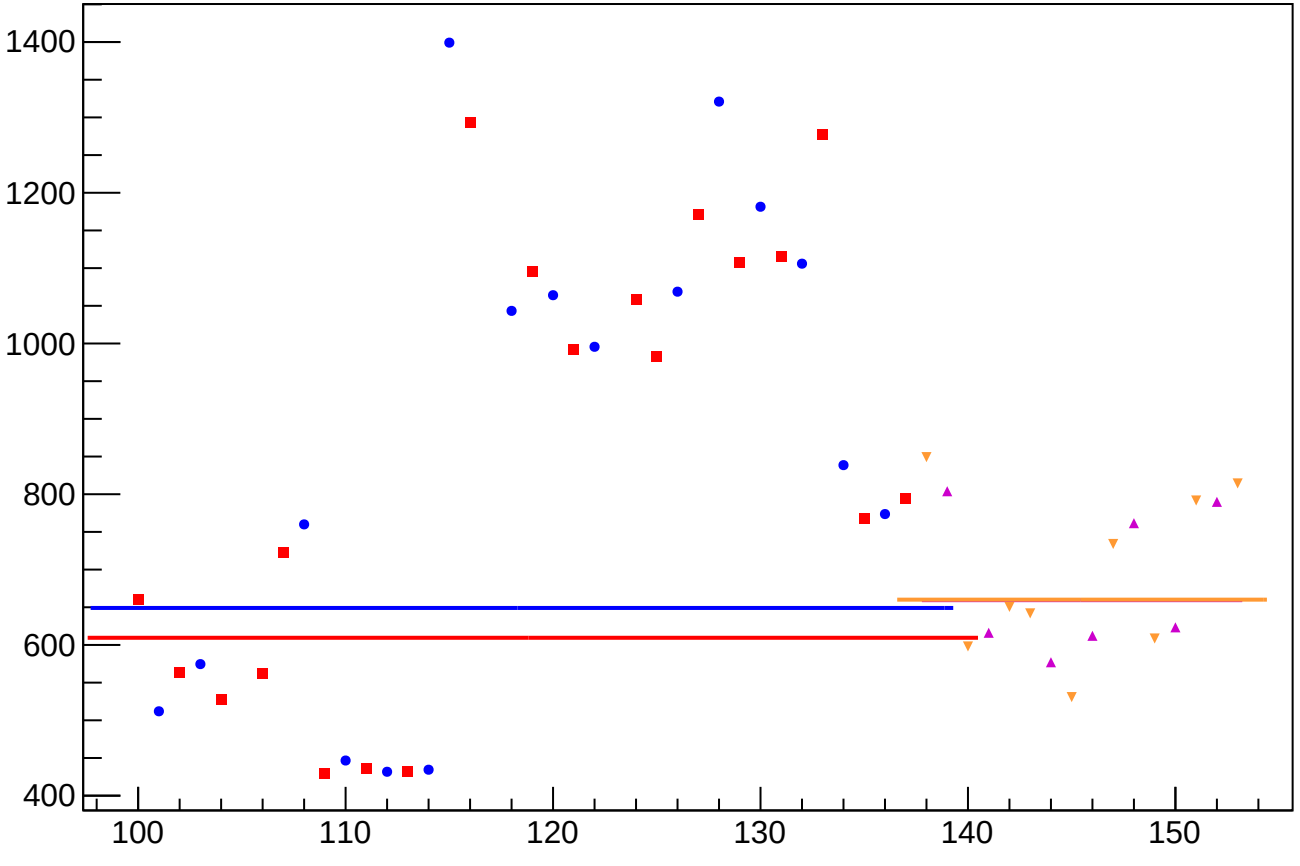
Right: -226.145+/-176.731 χ^2/NDF: 36.5/34

In: -174.353+/-187.082 χ^2/NDF:29.0/22

Out: 264.212+/-174.588 χ^2/NDF:43.9/27

All: 60.063+/-127.641 χ^2/NDF: 75.8/50

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 660.105+/-0.179 χ^2/NDF:324272.4/8

Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 659.425+/-0.191 χ^2/NDF:192335.0/6

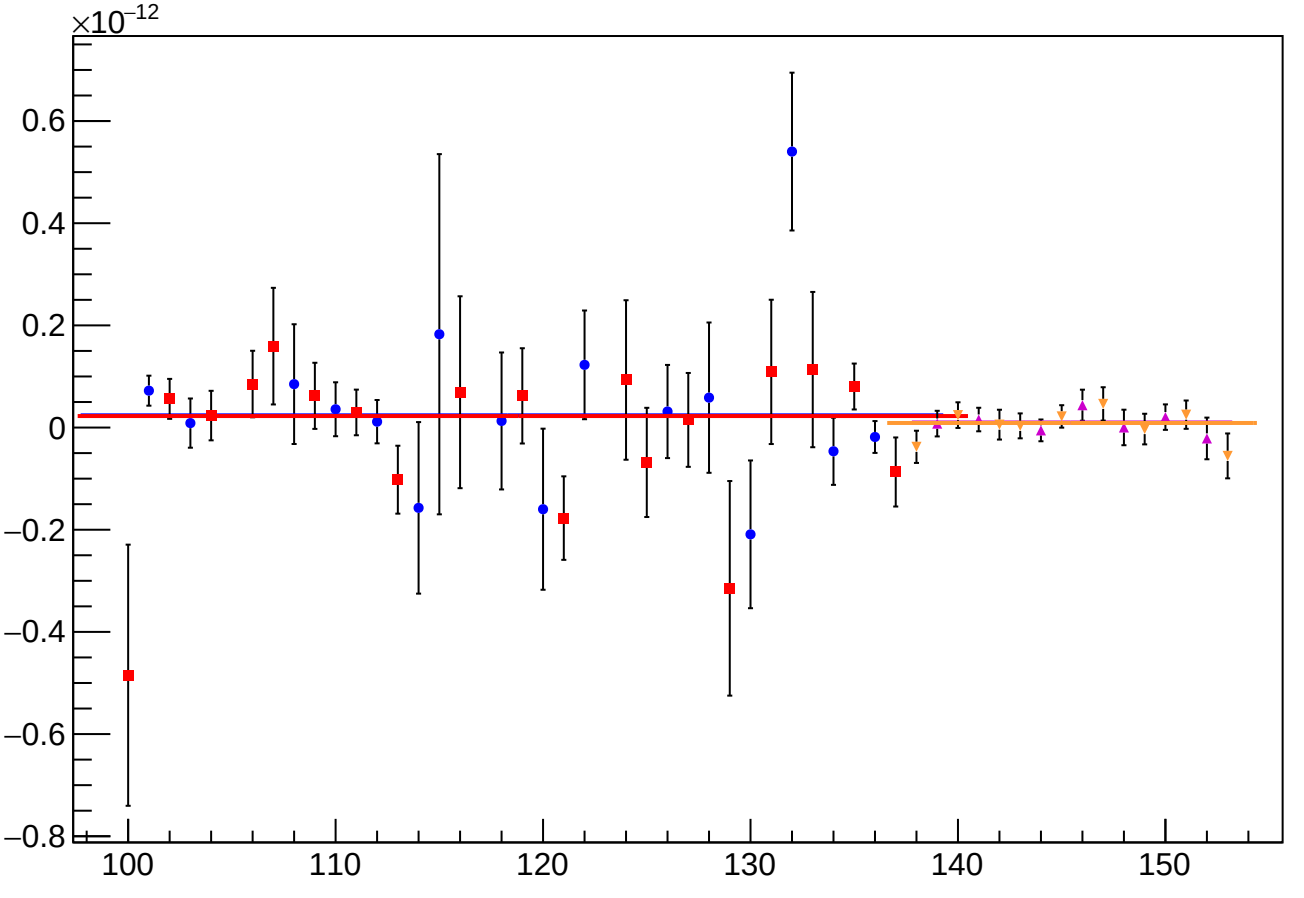
Left: 659.786+/-0.130 χ^2/NDF: 516614.2/15

Right: 627.830+/-0.125 χ^2/NDF: 3914338.8/34

In: 654.066+/-0.132 χ^2/NDF:2039674.1/22

Out: 633.582+/-0.123 χ^2/NDF:2409745.5/27

All: 643.117+/-0.090 χ^2/NDF: 4462235.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.9/8

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: 0.000+/-0.000 χ^2/NDF:2.7/6

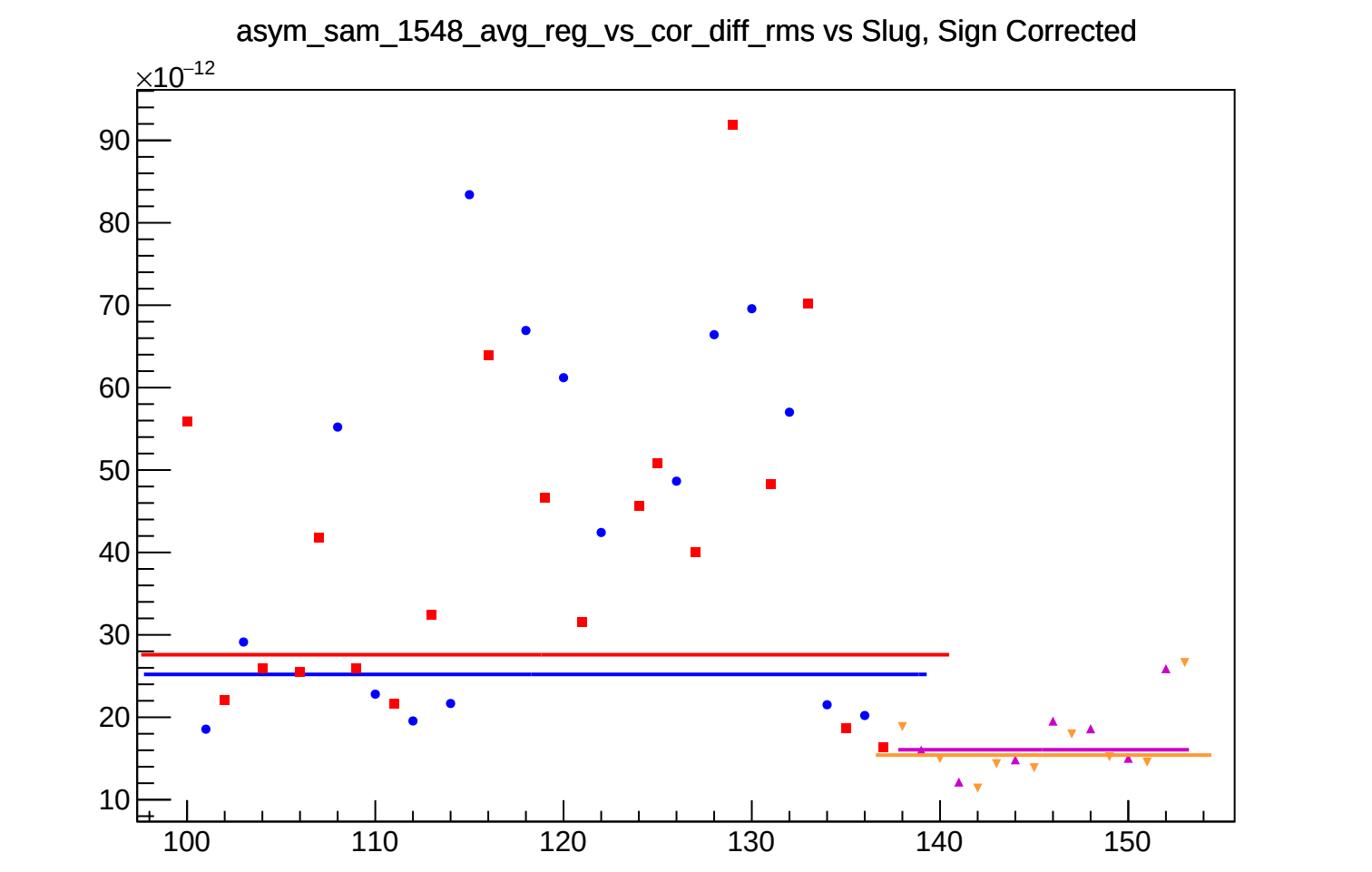
Left: 0.000+/-0.000 χ^2/NDF: 9.6/15

Right: 0.000+/-0.000 χ^2/NDF: 49.3/34

In: 0.000+/-0.000 χ^2/NDF:26.9/22

Out: 0.000+/-0.000 χ^2/NDF:33.1/27

All: 0.000+/-0.000 χ^2/NDF: 60.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 1312245.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:220911.2/8

Right Out: 0.000+/-0.000 χ^2/NDF: 988490.8/18

Left In: 0.000+/-0.000 χ^2/NDF:221005.0/6

Left: 0.000+/-0.000 χ^2/NDF: 446357.8/15

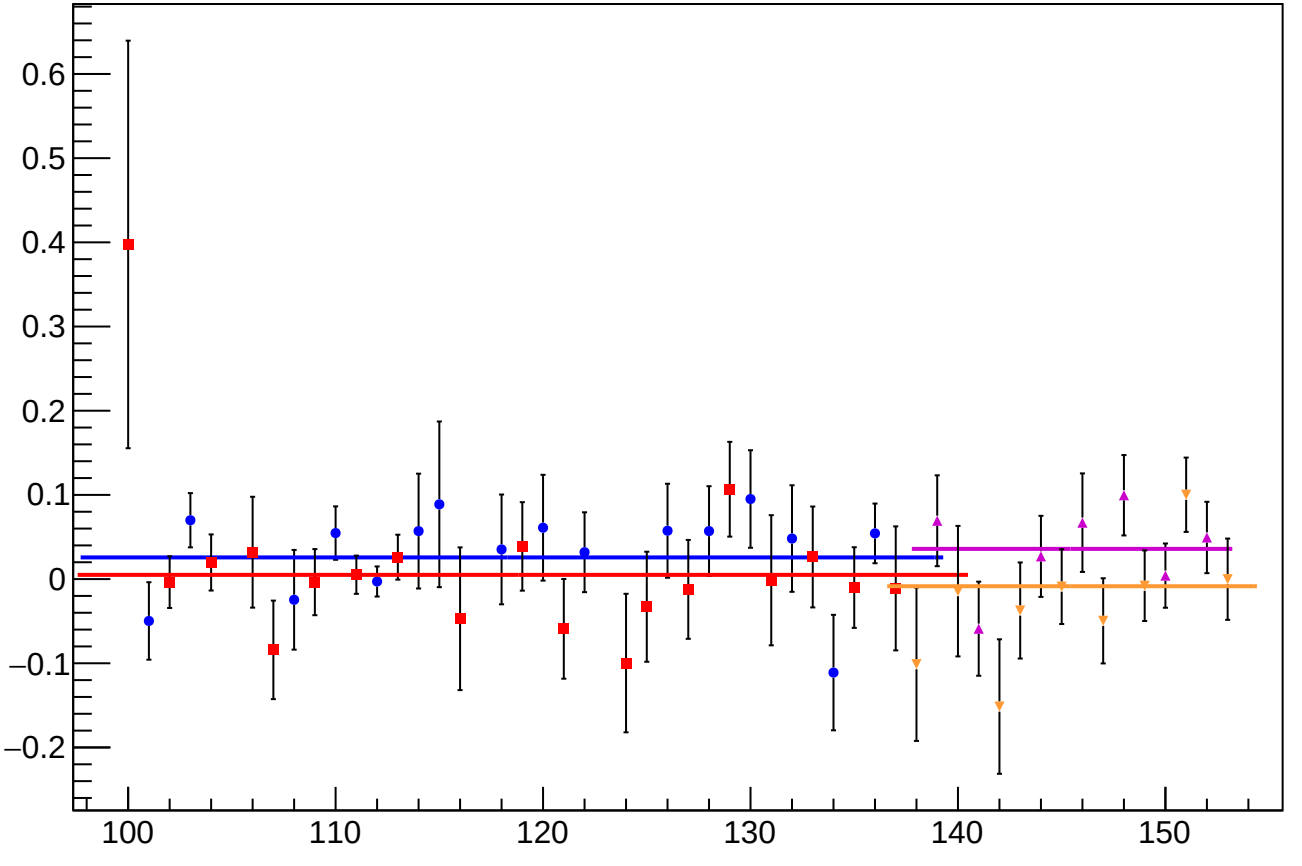
Right: 0.000+/-0.000 χ^2/NDF: 2323625.0/34

In: 0.000+/-0.000 χ^2/NDF:2034481.7/22

Out: 0.000+/-0.000 χ^2/NDF:2045306.4/27

All: 0.000+/-0.000 χ^2/NDF: 4082557.1/50

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: -0.008+/-0.018 χ^2/NDF:11.3/8

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.036+/-0.018 χ^2/NDF:6.2/6

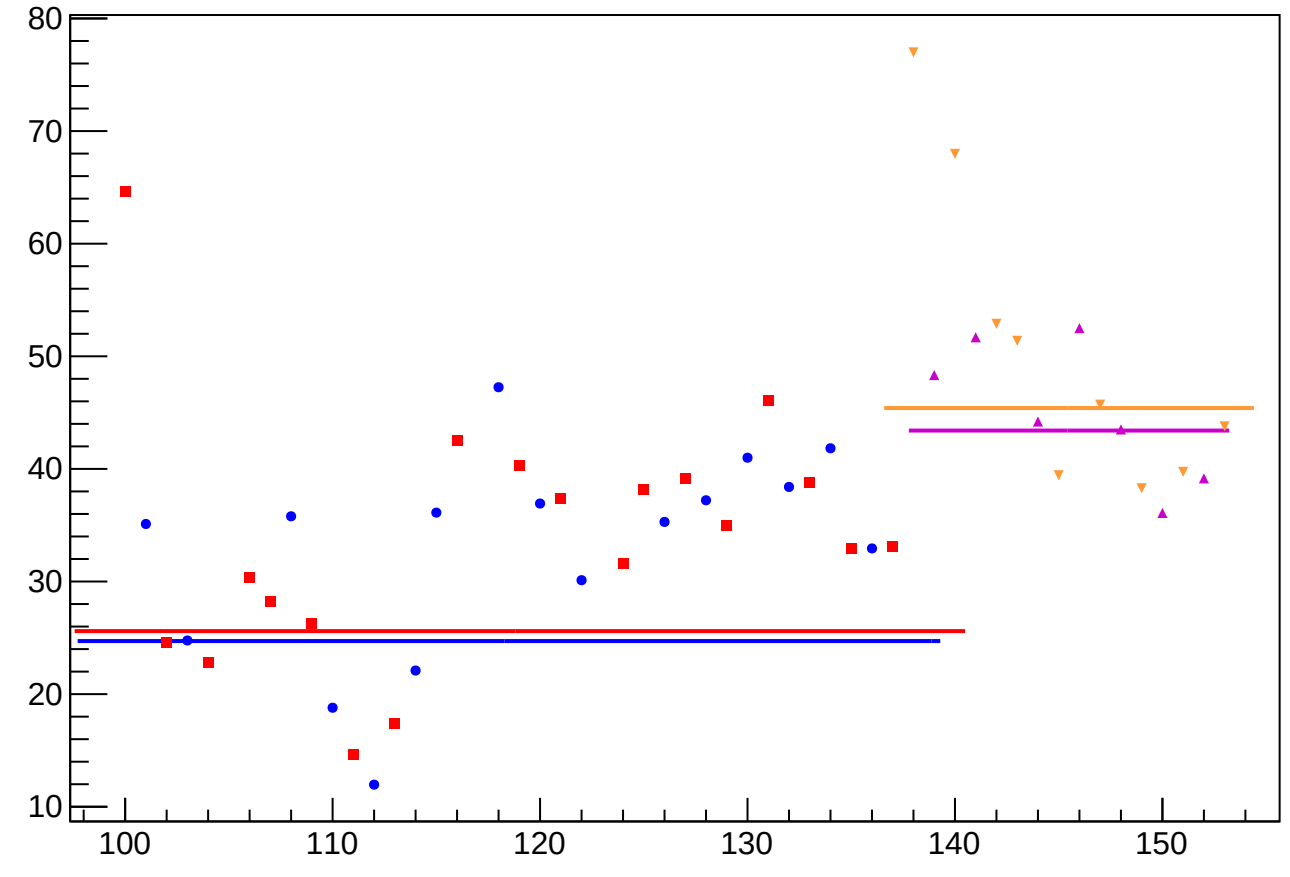
Left: 0.013+/-0.013 χ^2/NDF: 20.5/15

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.028+/-0.009 χ^2/NDF:22.9/22

Out: 0.002+/-0.009 χ^2/NDF:25.3/27

All: 0.015+/-0.006 χ^2/NDF: 52.6/50



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 45.405+/-0.013 χ^2/NDF:578415.3/8

Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 43.406+/-0.013 χ^2/NDF:203078.5/6

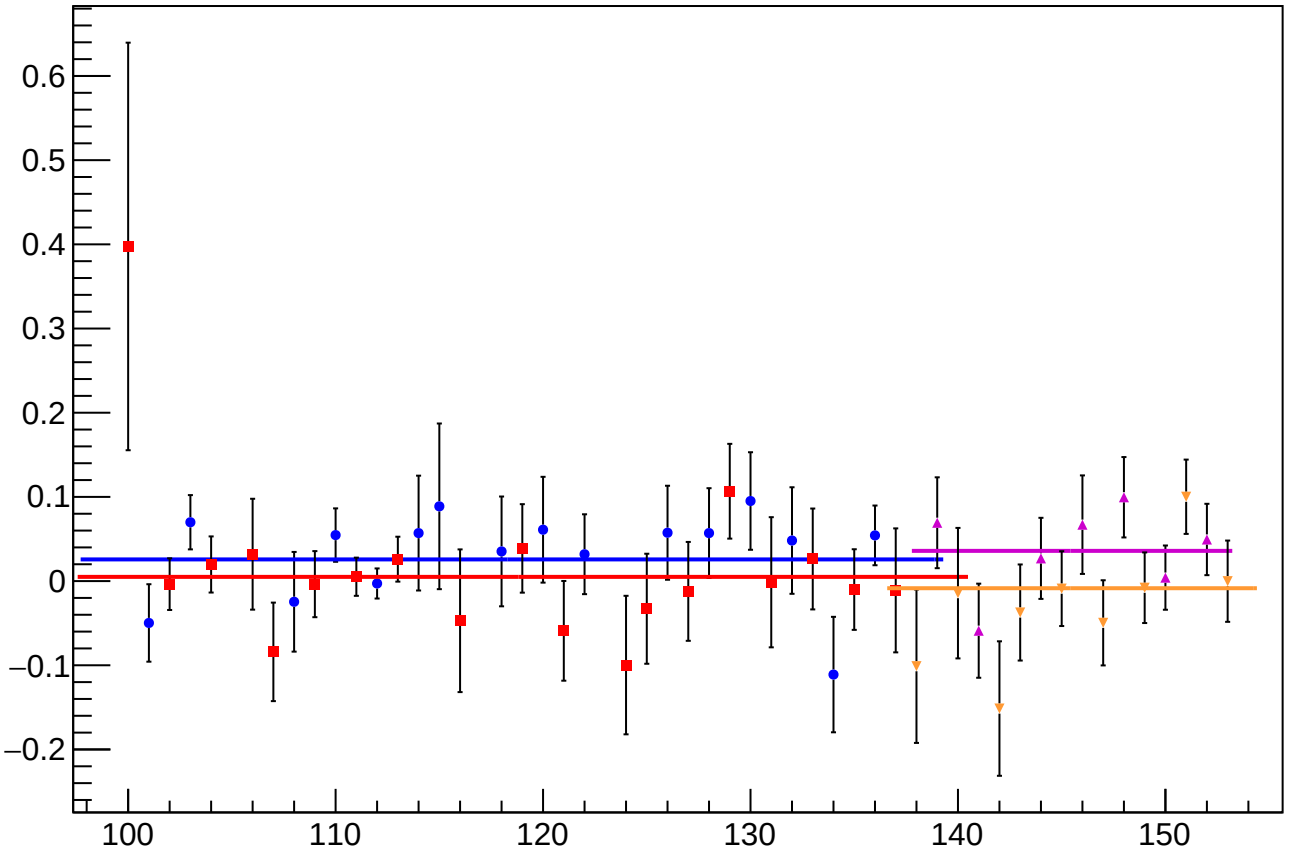
Left: 44.420+/-0.009 χ^2/NDF: 793930.8/15

Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 29.342+/-0.006 χ^2/NDF:4112035.9/22

Out: 30.605+/-0.006 χ^2/NDF:4036114.0/27

All: 29.976+/-0.004 χ^2/NDF: 8167986.0/50



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.008+/-0.018 χ^2/NDF:11.3/8

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.036+/-0.018 χ^2/NDF:6.2/6

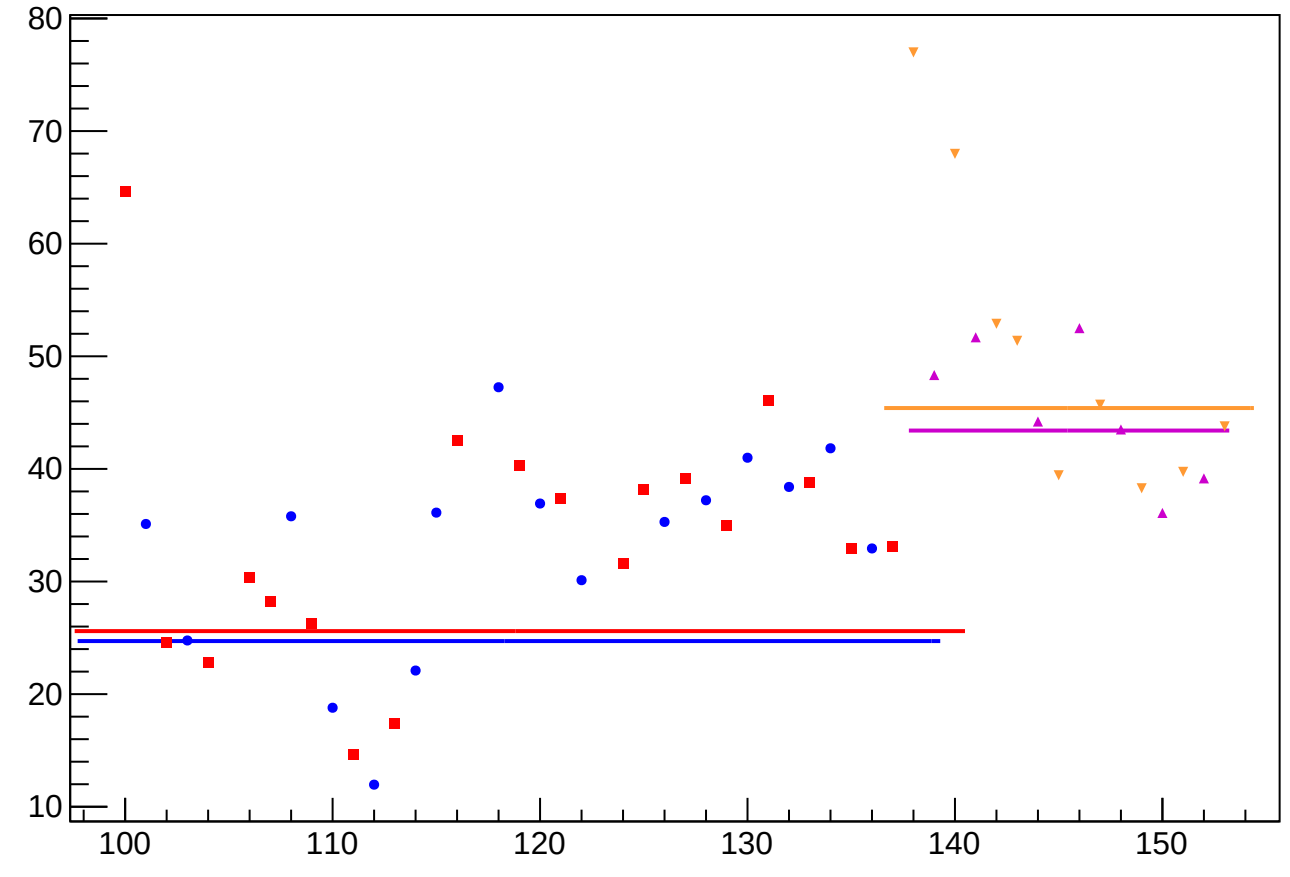
Left: 0.013+/-0.013 χ^2/NDF: 20.5/15

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.028+/-0.009 χ^2/NDF:22.9/22

Out: 0.002+/-0.009 χ^2/NDF:25.3/27

All: 0.015+/-0.006 χ^2/NDF: 52.6/50



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 45.405+/-0.013 χ^2/NDF:578415.3/8

Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 43.406+/-0.013 χ^2/NDF:203078.5/6

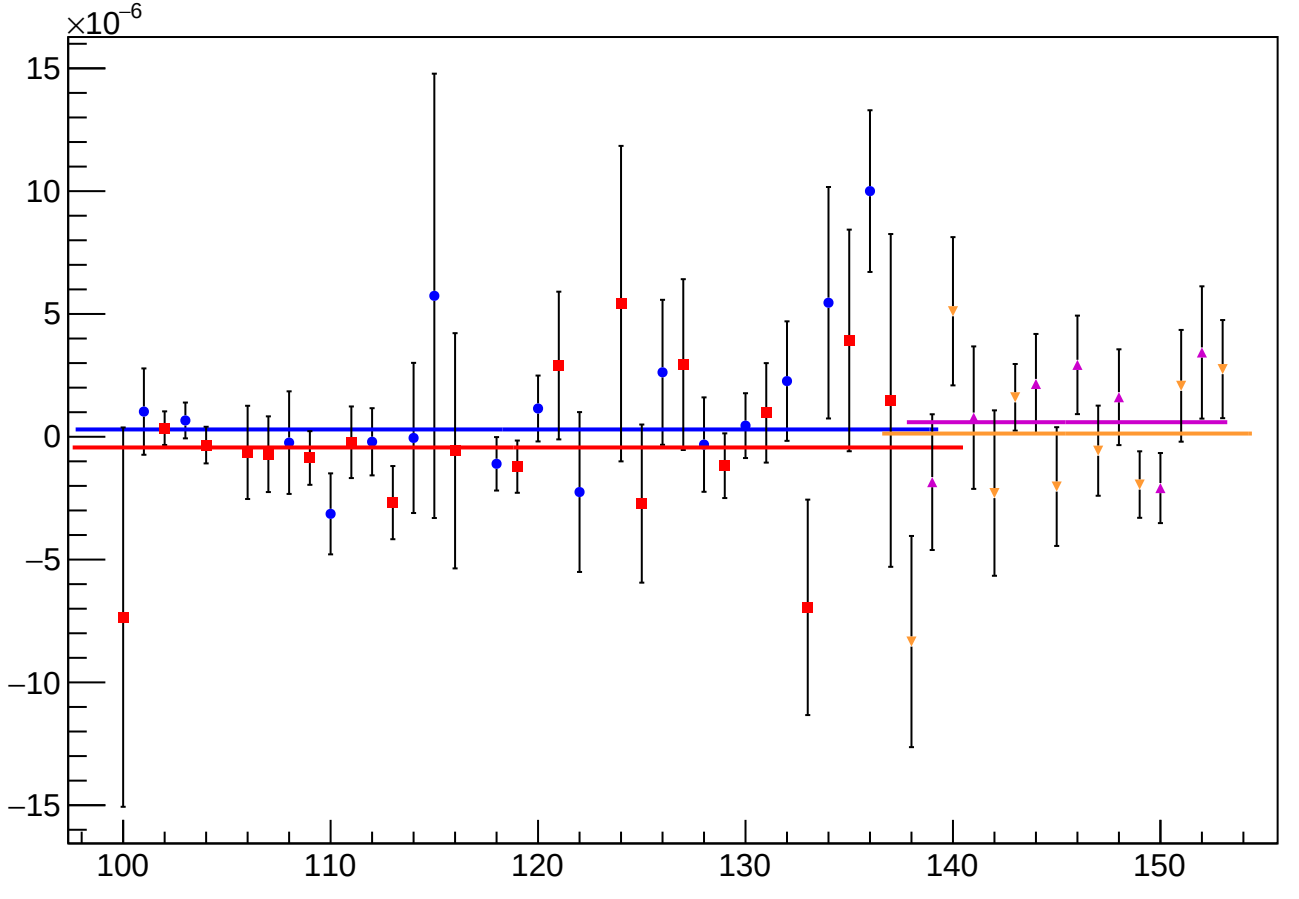
Left: 44.420+/-0.009 χ^2/NDF: 793930.8/15

Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 29.342+/-0.006 χ^2/NDF:4112035.9/22

Out: 30.605+/-0.006 χ^2/NDF:4036114.0/27

All: 29.976+/-0.004 χ^2/NDF: 8167986.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.1/8

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: 0.000+/-0.000 χ^2/NDF:7.6/6

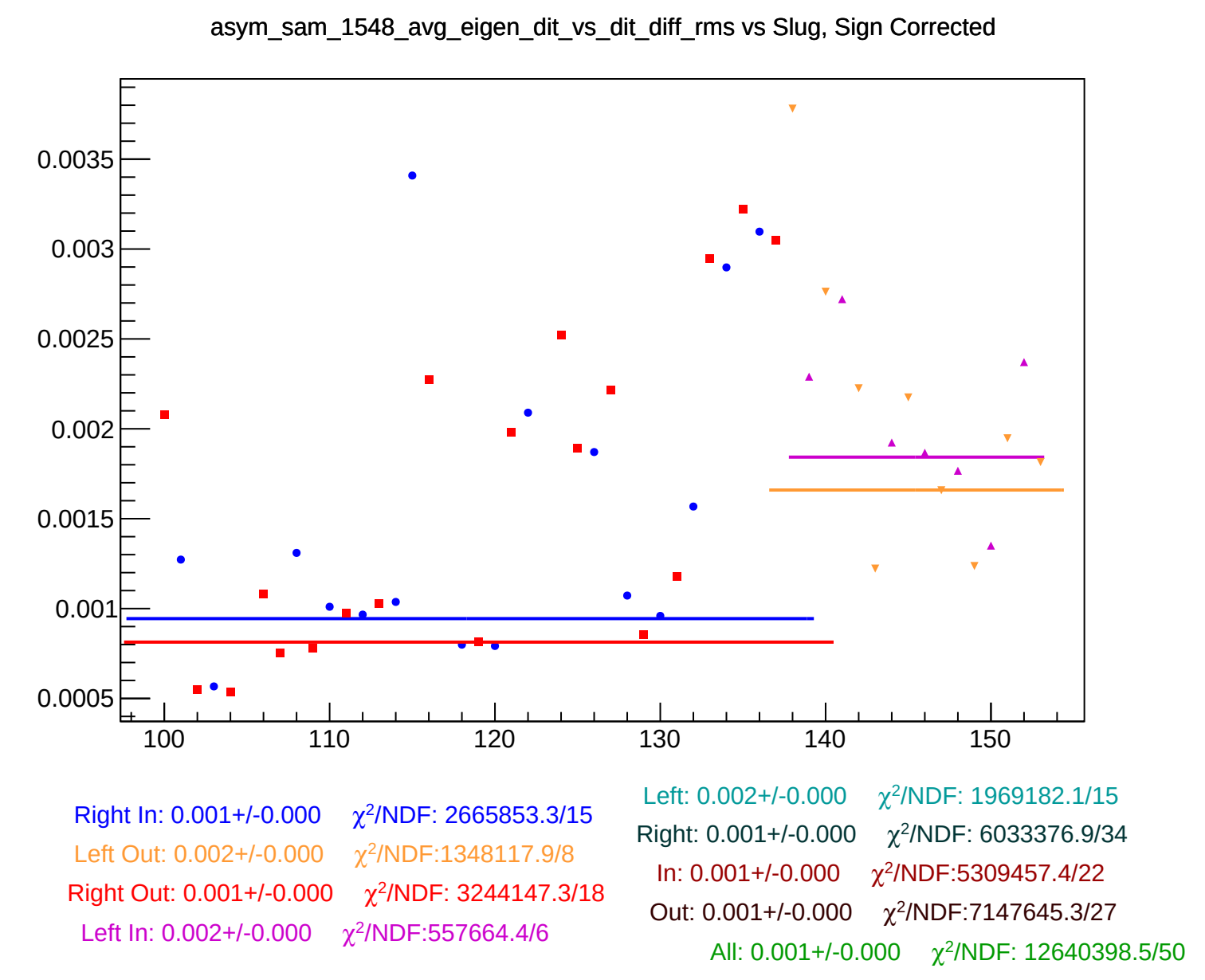
Left: 0.000+/-0.000 χ^2/NDF: 21.9/15

Right: -0.000+/-0.000 χ^2/NDF: 33.9/34

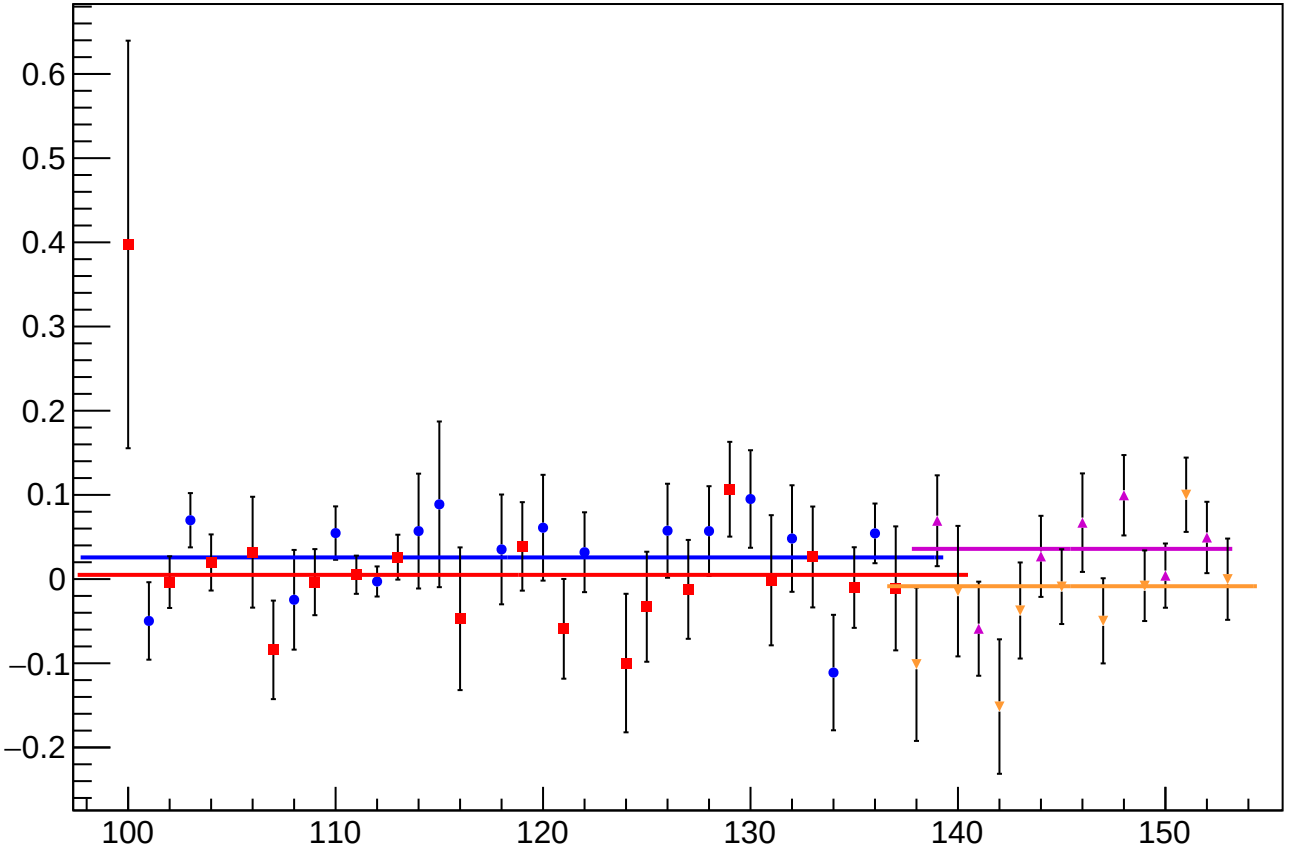
In: 0.000+/-0.000 χ^2/NDF:27.0/22

Out: -0.000+/-0.000 χ^2/NDF:27.3/27

All: -0.000+/-0.000 χ^2/NDF: 56.5/50


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
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:1348117.9/8
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:557664.4/6
Left: 0.002+/-0.000 χ²/NDF: 1969182.1/15
Right: 0.001+/-0.000 χ²/NDF: 6033376.9/34
In: 0.001+/-0.000 χ²/NDF:5309457.4/22
Out: 0.001+/-0.000 χ²/NDF:7147645.3/27
All: 0.001+/-0.000 χ²/NDF: 12640398.5/50

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: -0.008+/-0.018 χ^2/NDF:11.3/8

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.036+/-0.018 χ^2/NDF:6.2/6

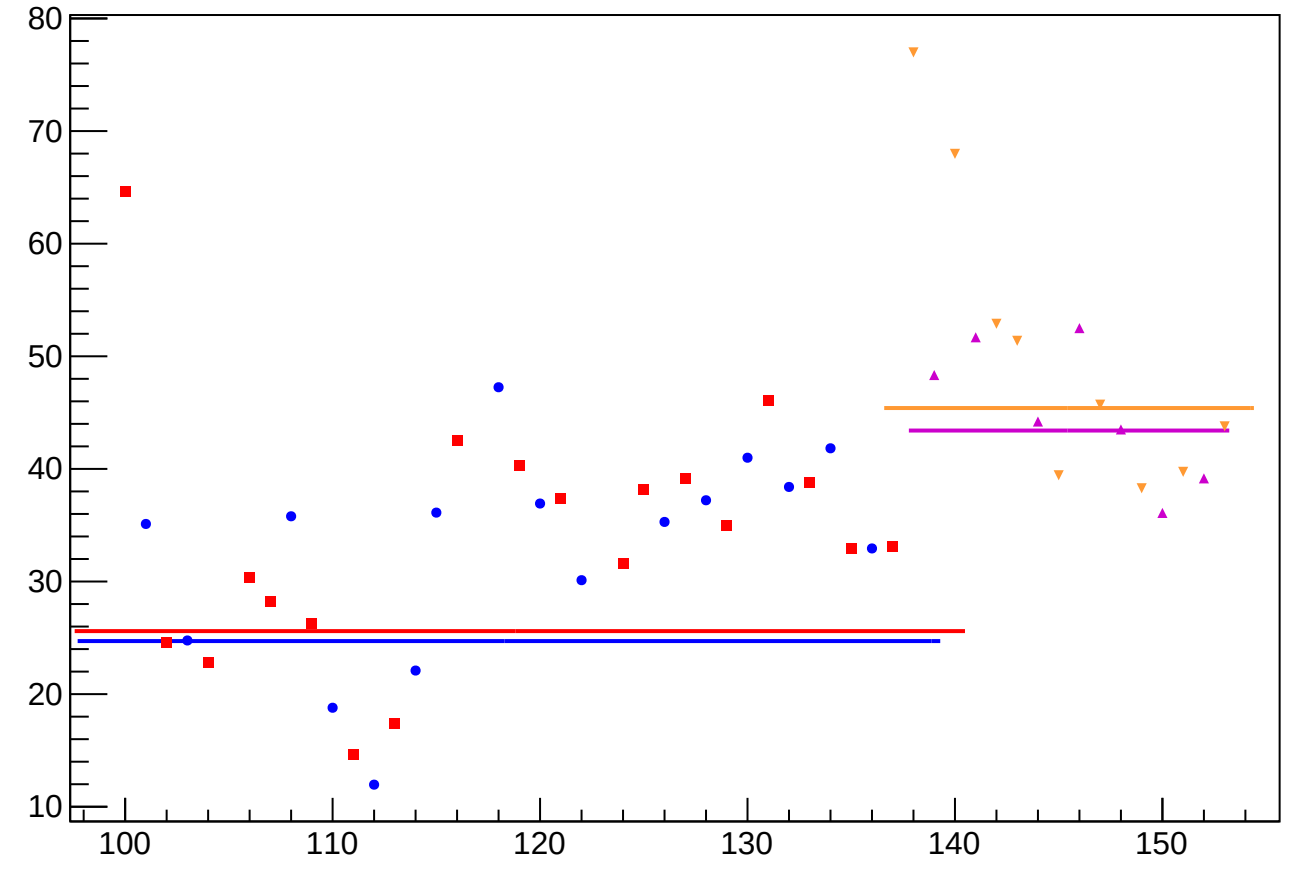
Left: 0.013+/-0.013 χ^2/NDF: 20.5/15

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.028+/-0.009 χ^2/NDF:22.9/22

Out: 0.002+/-0.009 χ^2/NDF:25.3/27

All: 0.015+/-0.006 χ^2/NDF: 52.6/50



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 45.405+/-0.013 χ^2/NDF:578399.4/8

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 43.407+/-0.013 χ^2/NDF:203081.4/6

Left: 44.421+/-0.009 χ^2/NDF: 793917.6/15

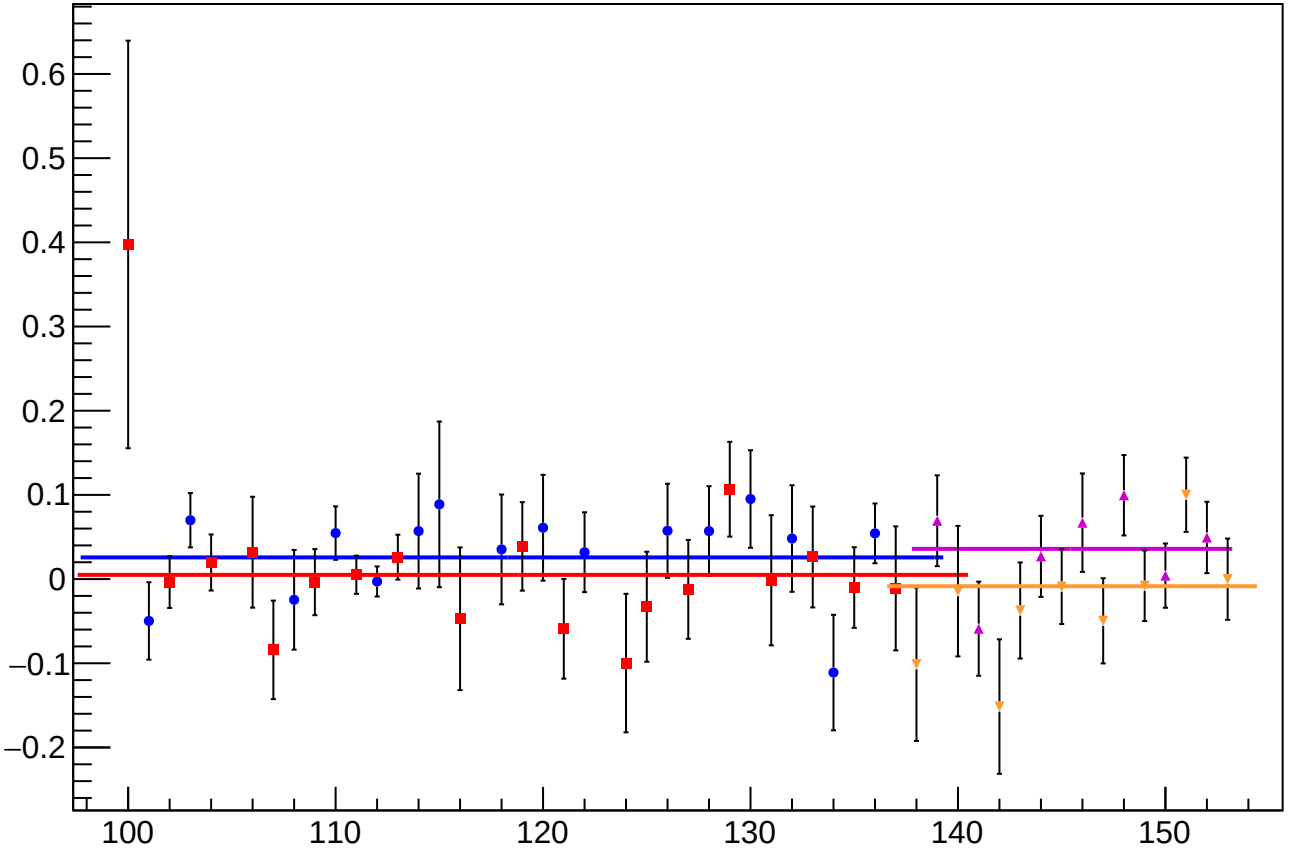
Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 29.342+/-0.006 χ^2/NDF:4112394.6/22

Out: 30.604+/-0.006 χ^2/NDF:4036415.2/27

All: 29.976+/-0.004 χ^2/NDF: 8168650.7/50

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.008+/-0.018 χ^2/NDF:11.3/8

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.036+/-0.018 χ^2/NDF:6.2/6

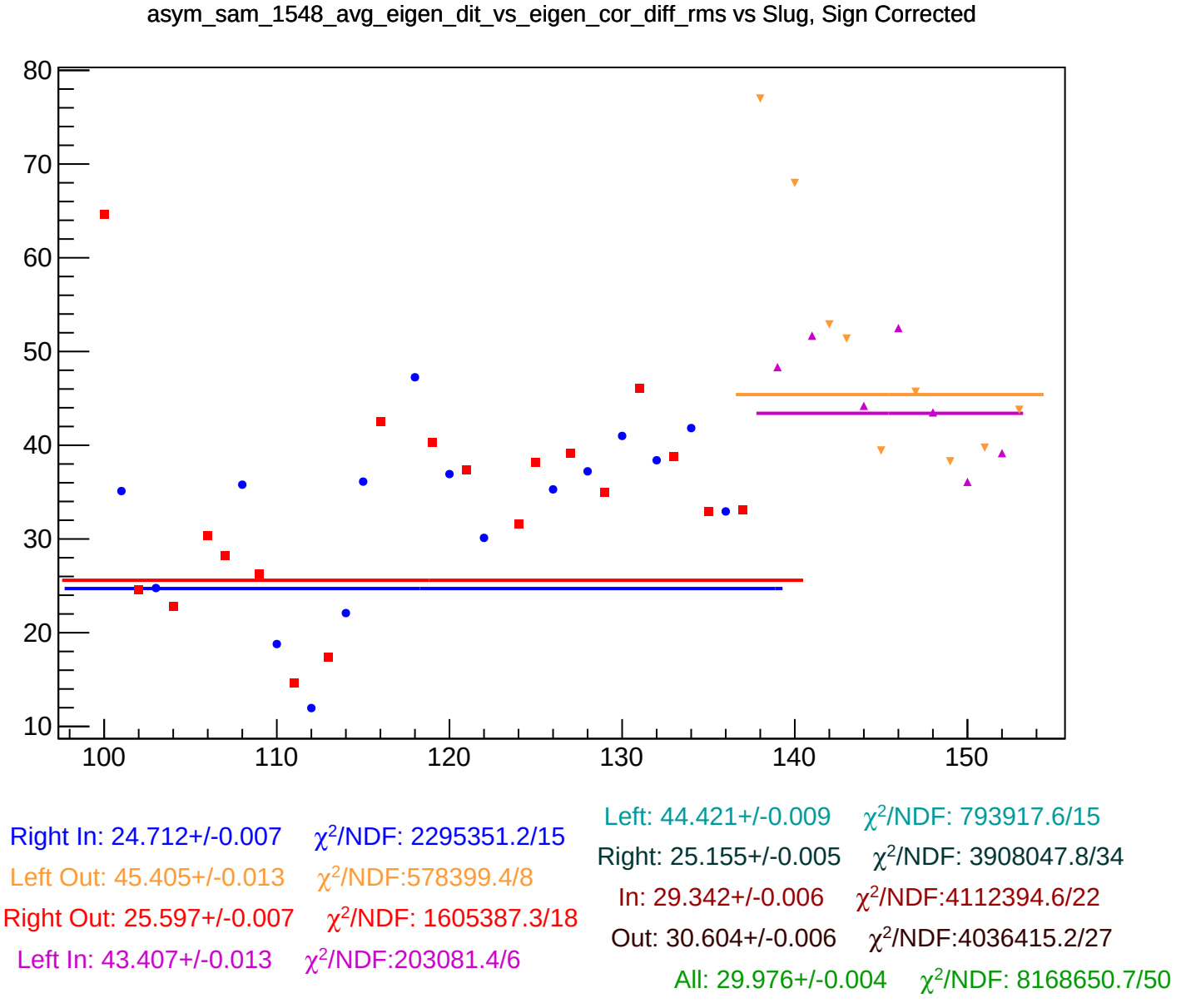
Left: 0.013+/-0.013 χ^2/NDF: 20.5/15

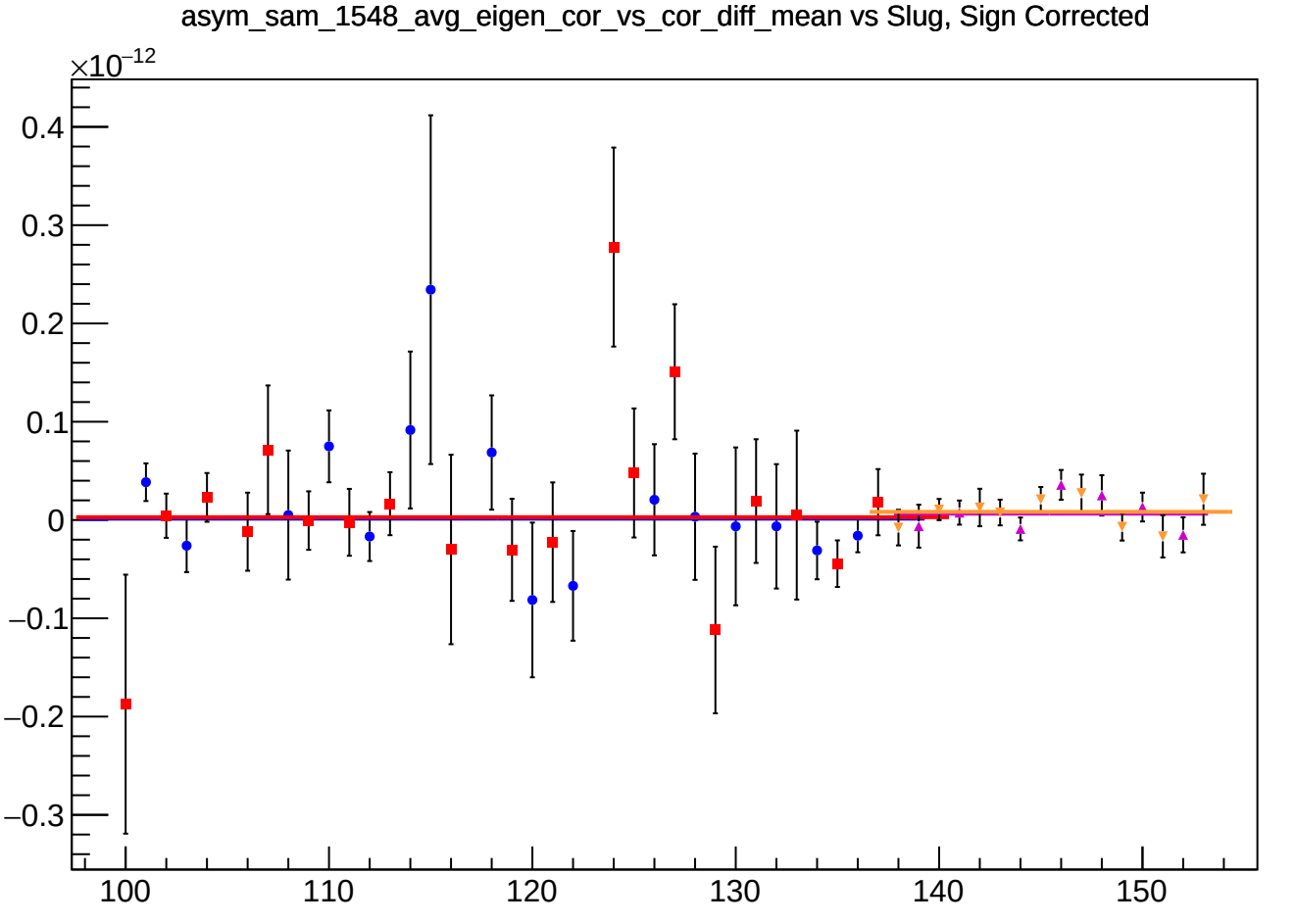
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

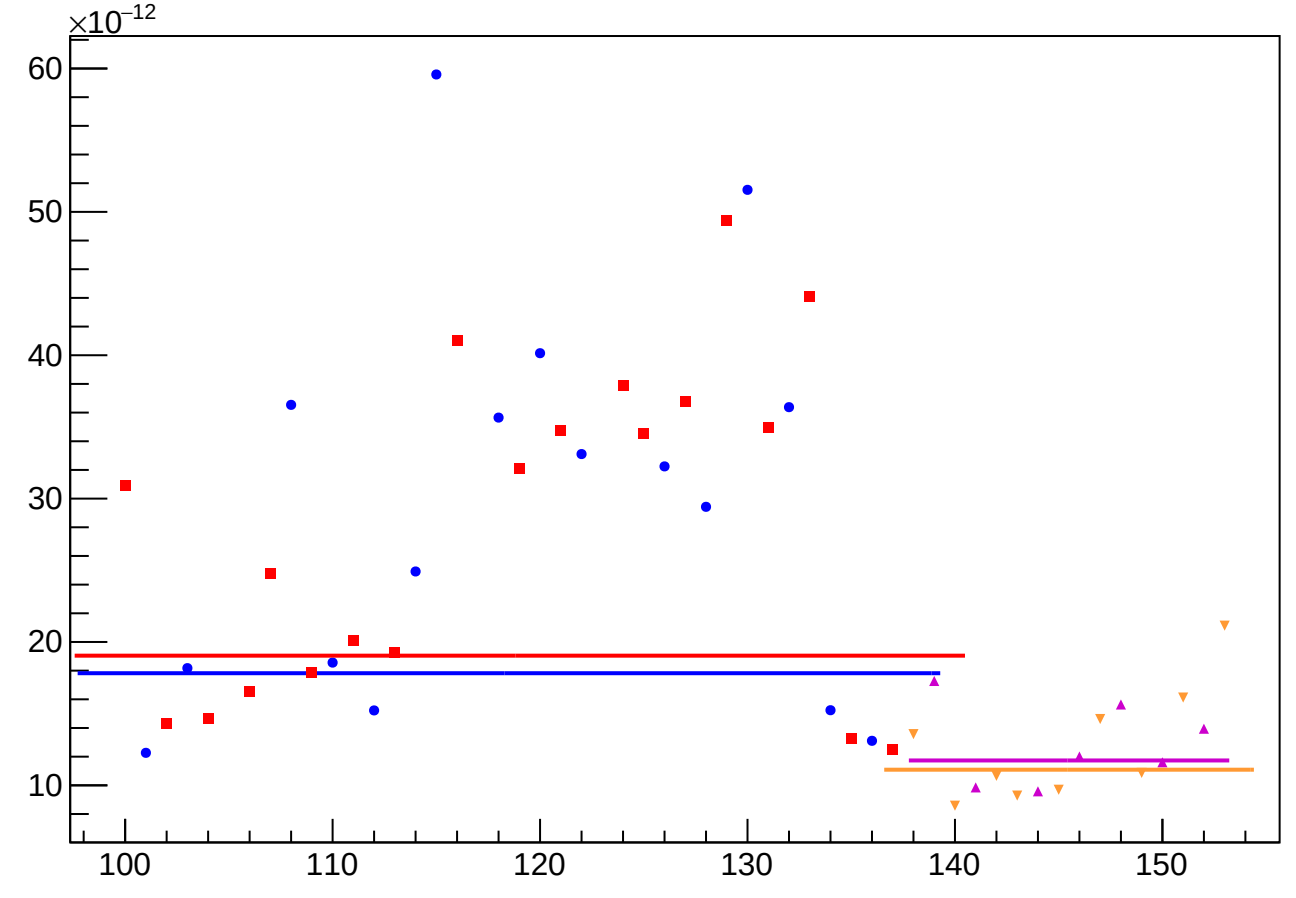
In: 0.028+/-0.009 χ^2/NDF:22.9/22

Out: 0.002+/-0.009 χ^2/NDF:25.3/27

All: 0.015+/-0.006 χ^2/NDF: 52.6/50


asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
80
70
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 24.712+/-0.007 χ²/NDF: 2295351.2/15
Left Out: 45.405+/-0.013 χ²/NDF:578399.4/8
Right Out: 25.597+/-0.007 χ²/NDF: 1605387.3/18
Left In: 43.407+/-0.013 χ²/NDF:203081.4/6
Left: 44.421+/-0.009 χ²/NDF: 793917.6/15
Right: 25.155+/-0.005 χ²/NDF: 3908047.8/34
In: 29.342+/-0.006 χ²/NDF:4112394.6/22
Out: 30.604+/-0.006 χ²/NDF:4036415.2/27
All: 29.976+/-0.004 χ²/NDF: 8168650.7/50


asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 18.7/15
Left Out: 0.000+/-0.000 χ²/NDF:5.7/8
Right Out: 0.000+/-0.000 χ²/NDF: 23.5/18
Left In: 0.000+/-0.000 χ²/NDF:8.4/6
Left: 0.000+/-0.000 χ²/NDF: 14.1/15
Right: 0.000+/-0.000 χ²/NDF: 42.2/34
In: 0.000+/-0.000 χ²/NDF:27.3/22
Out: 0.000+/-0.000 χ²/NDF:29.4/27
All: 0.000+/-0.000 χ²/NDF: 56.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 1869965.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:688498.4/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1620721.2/18

Left In: 0.000+/-0.000 χ^2/NDF:348349.3/6

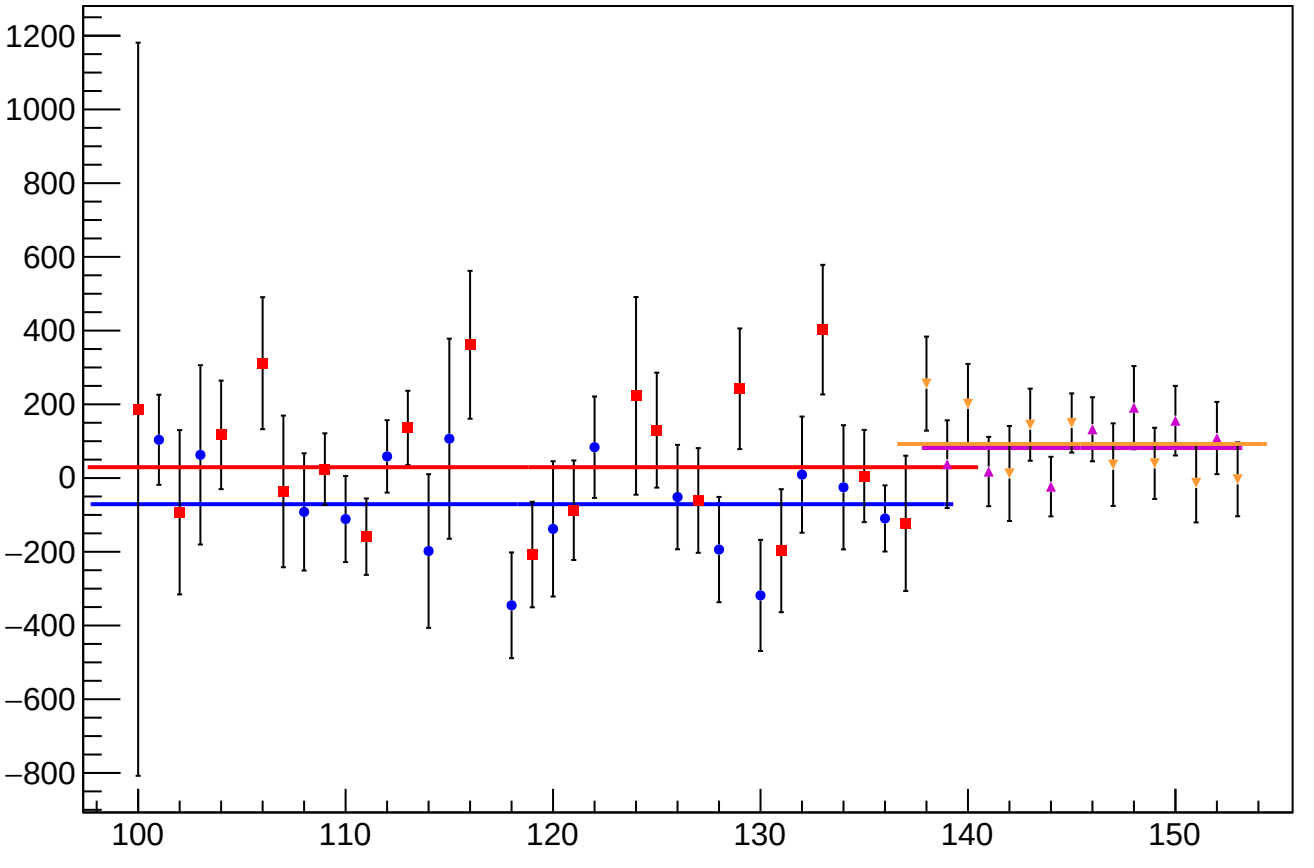
Left: 0.000+/-0.000 χ^2/NDF: 1050975.5/15

Right: 0.000+/-0.000 χ^2/NDF: 3509564.6/34

In: 0.000+/-0.000 χ^2/NDF:2904824.6/22

Out: 0.000+/-0.000 χ^2/NDF:3462270.6/27

All: 0.000+/-0.000 χ^2/NDF: 6382857.6/50



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 92.460+/-34.500 χ^2/NDF:6.3/8

Right Out: 29.410+/-34.243 χ^2/NDF: 24.0/18

Left In: 81.663+/-36.181 χ^2/NDF:4.3/6

Left: 87.318+/-24.969 χ^2/NDF: 10.6/15

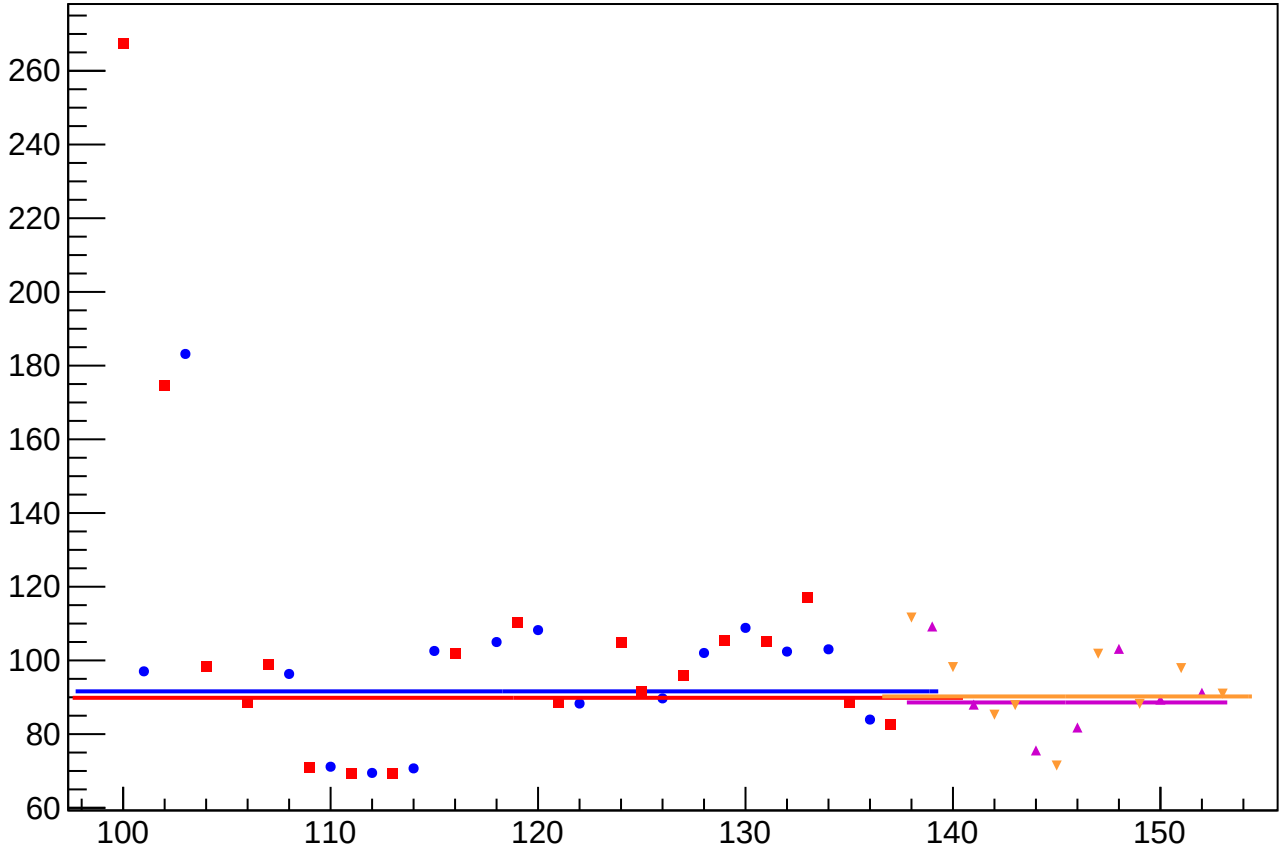
Right: -19.470+/-24.518 χ^2/NDF: 42.3/34

In: 3.120+/-25.201 χ^2/NDF:27.5/22

Out: 60.699+/-24.304 χ^2/NDF:32.0/27

All: 32.953+/-17.494 χ^2/NDF: 62.1/50

reg_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 90.224+/-0.024 χ^2/NDF:212769.2/8

Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 88.594+/-0.026 χ^2/NDF:159036.1/6

Left: 89.447+/-0.018 χ^2/NDF: 373930.1/15

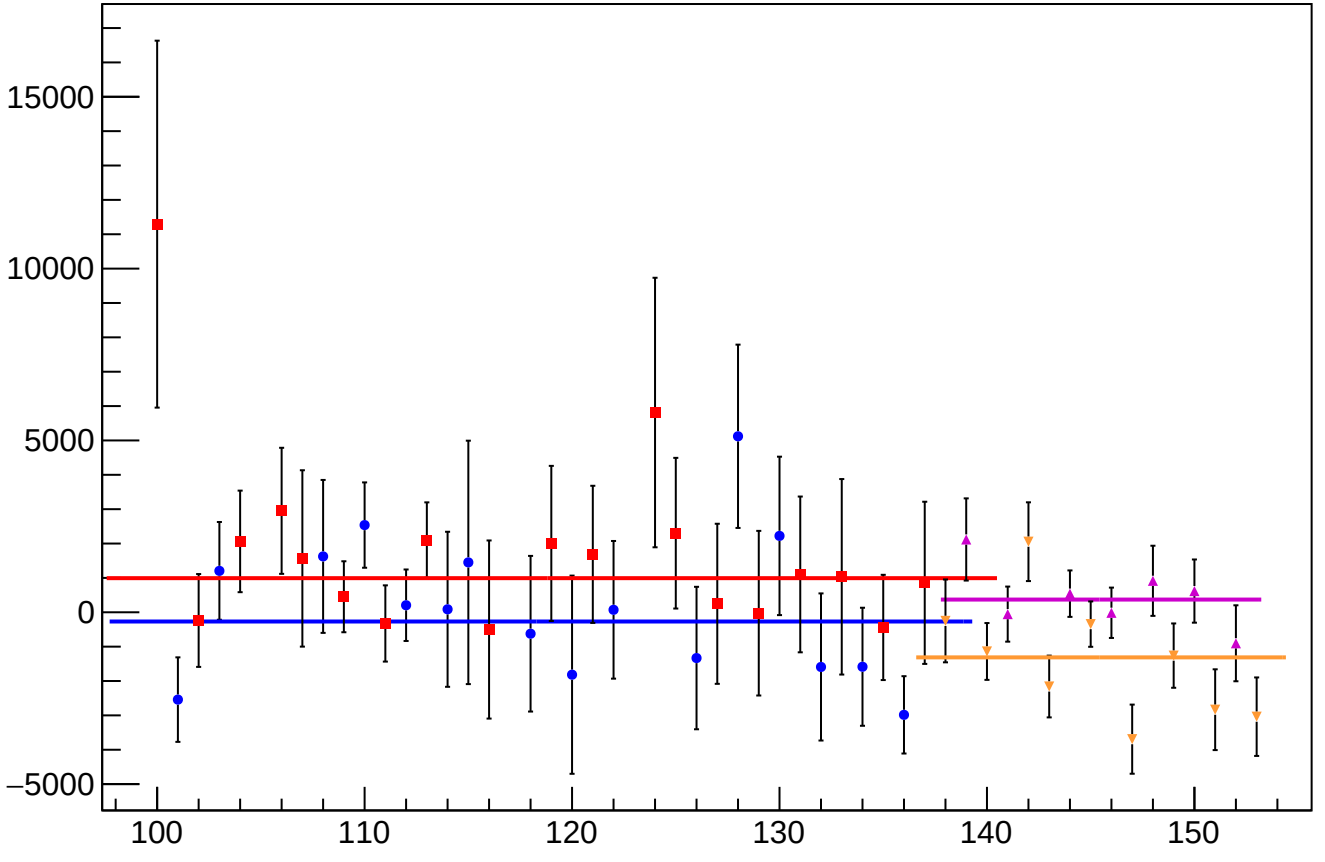
Right: 90.709+/-0.017 χ^2/NDF: 1329517.7/34

In: 90.146+/-0.018 χ^2/NDF:746854.4/22

Out: 90.038+/-0.017 χ^2/NDF:959173.5/27

All: 90.090+/-0.012 χ^2/NDF: 1706047.0/50

asym_sam_3748_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -1312.380+/-315.174 χ^2/NDF:22.0/8

Right Out: 992.670+/-400.824 χ^2/NDF: 12.7/18

Left In: 369.797+/-328.413 χ^2/NDF:4.4/6

Left: -505.882+/-227.398 χ^2/NDF: 40.1/15

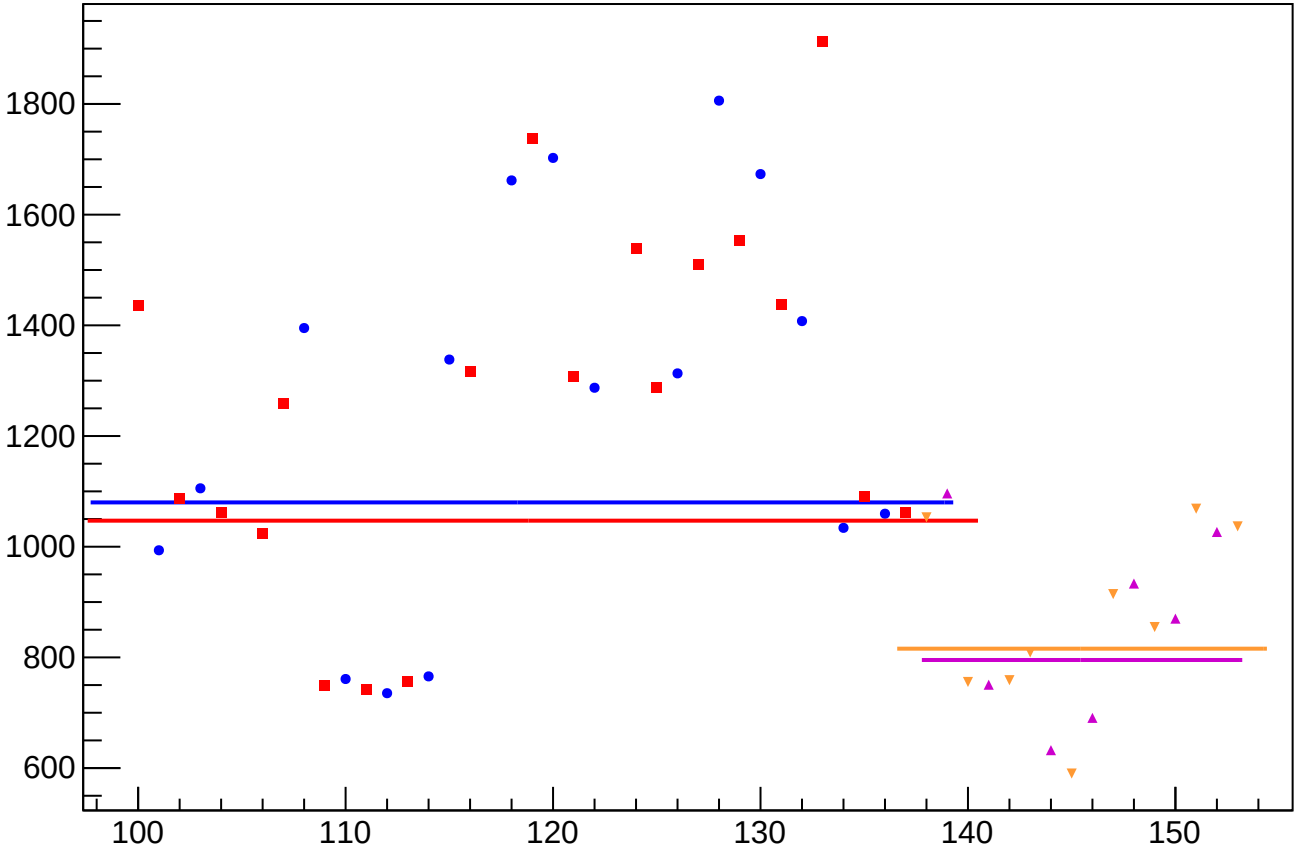
Right: 390.906+/-289.829 χ^2/NDF: 40.8/34

In: 127.310+/-258.613 χ^2/NDF:29.3/22

Out: -431.704+/-247.755 χ^2/NDF:55.2/27

All: -164.178+/-178.904 χ^2/NDF: 86.9/50

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: 815.773+/-0.223 χ^2/NDF:517161.6/8

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

Left In: 795.305+/-0.232 χ^2/NDF:427407.2/6

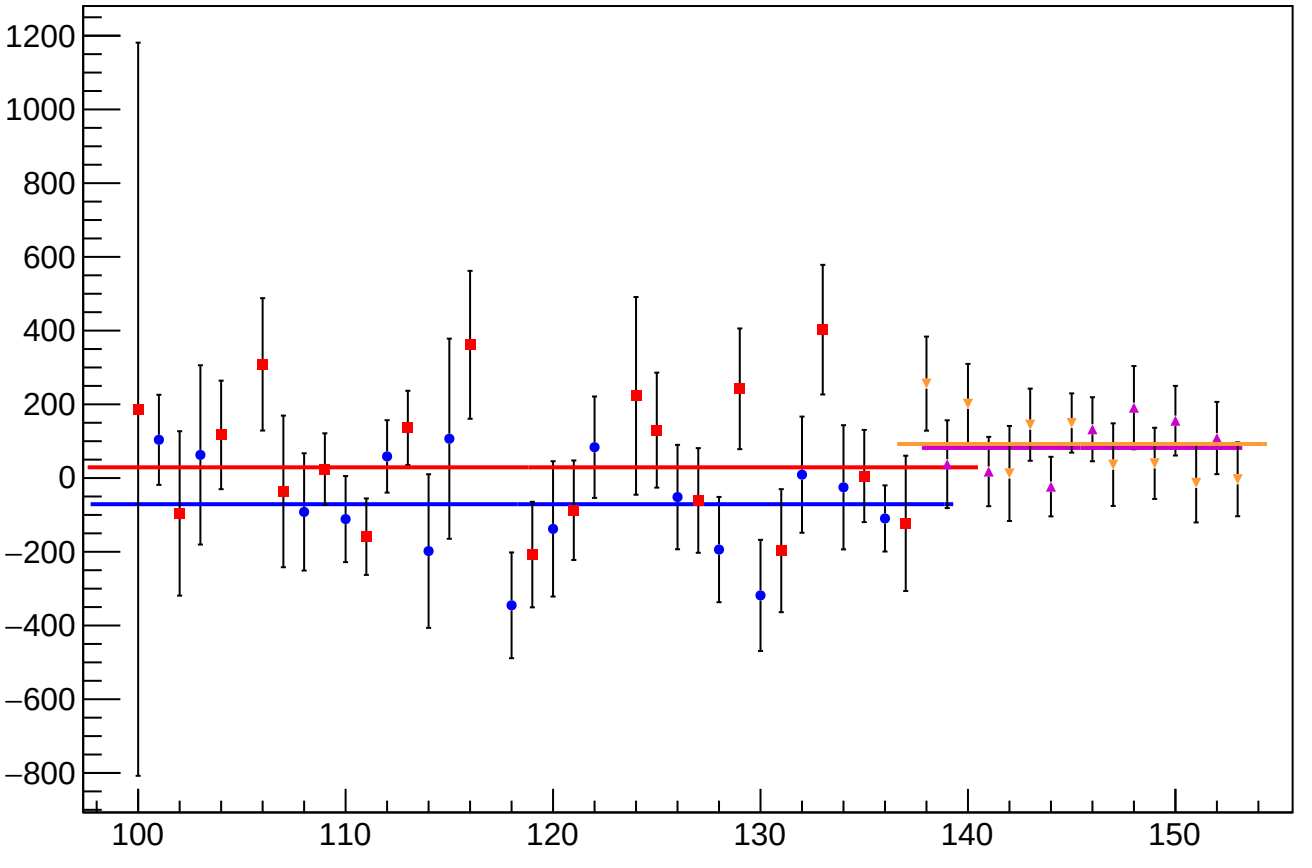
Left: 805.960+/-0.161 χ^2/NDF: 948612.7/15

Right: 1062.803+/-0.205 χ^2/NDF: 2258574.4/34

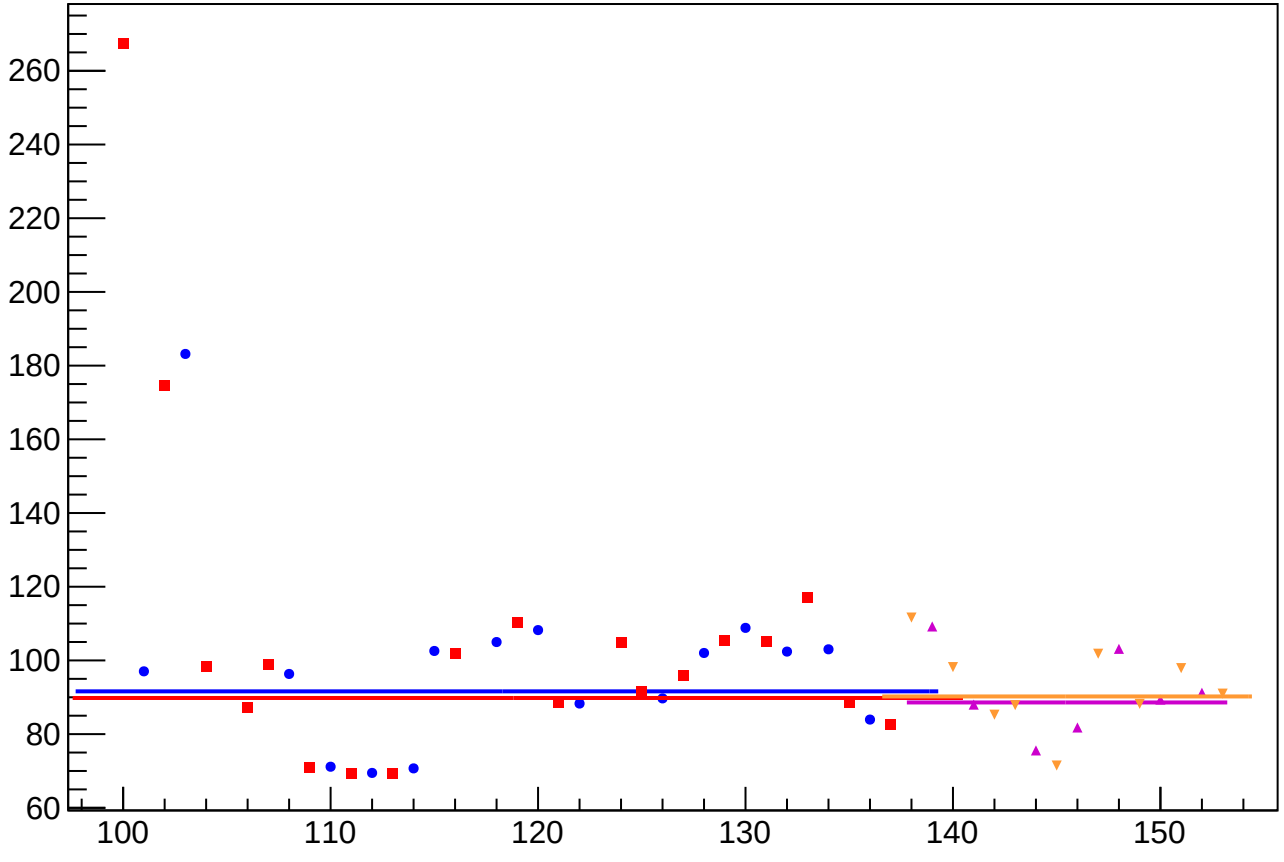
In: 903.479+/-0.183 χ^2/NDF:2052037.8/22

Out: 904.142+/-0.175 χ^2/NDF:2127332.8/27

All: 903.825+/-0.127 χ^2/NDF: 4179377.5/50


cor_asym_sam_3748_avg_mean vs Slug, Sign Corrected
1200
1000
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
Right In: -70.903+/-35.122 χ²/NDF: 14.1/15
Left Out: 92.470+/-34.500 χ²/NDF:6.3/8
Right Out: 29.159+/-34.247 χ²/NDF: 24.0/18
Left In: 81.668+/-36.181 χ²/NDF:4.3/6
Left: 87.326+/-24.969 χ²/NDF: 10.6/15
Right: -19.610+/-24.520 χ²/NDF: 42.2/34
In: 3.116+/-25.201 χ²/NDF:27.5/22
Out: 60.581+/-24.305 χ²/NDF:31.9/27
All: 32.888+/-17.495 χ²/NDF: 62.1/50

cor_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 90.224+/-0.024 χ^2/NDF:212769.1/8

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 88.594+/-0.026 χ^2/NDF:159036.1/6

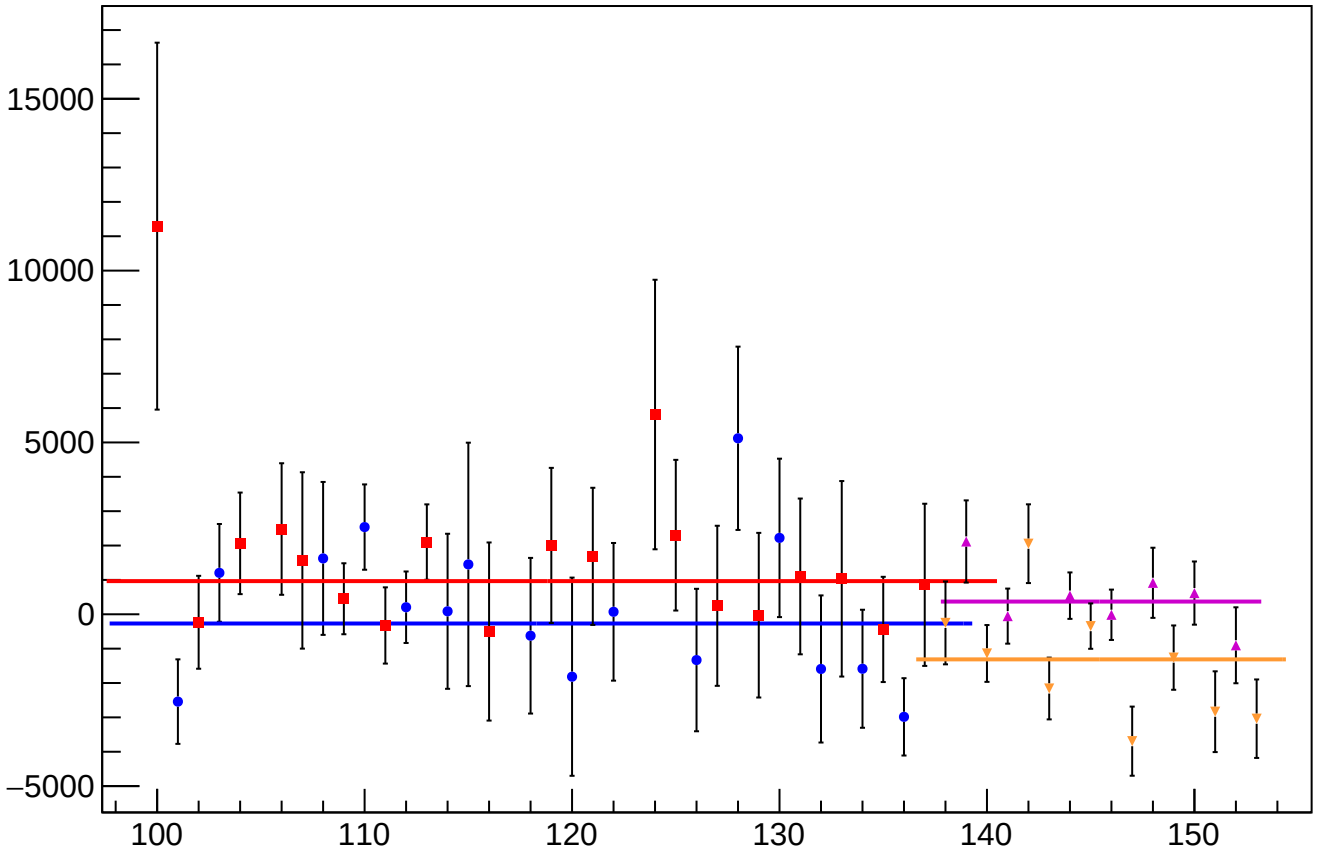
Left: 89.447+/-0.018 χ^2/NDF: 373930.1/15

Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 90.146+/-0.018 χ^2/NDF:746857.6/22

Out: 90.014+/-0.017 χ^2/NDF:959749.4/27

All: 90.077+/-0.012 χ^2/NDF: 1706635.4/50



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1312.372+/-315.174 χ^2/NDF:22.0/8

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 369.806+/-328.413 χ^2/NDF:4.4/6

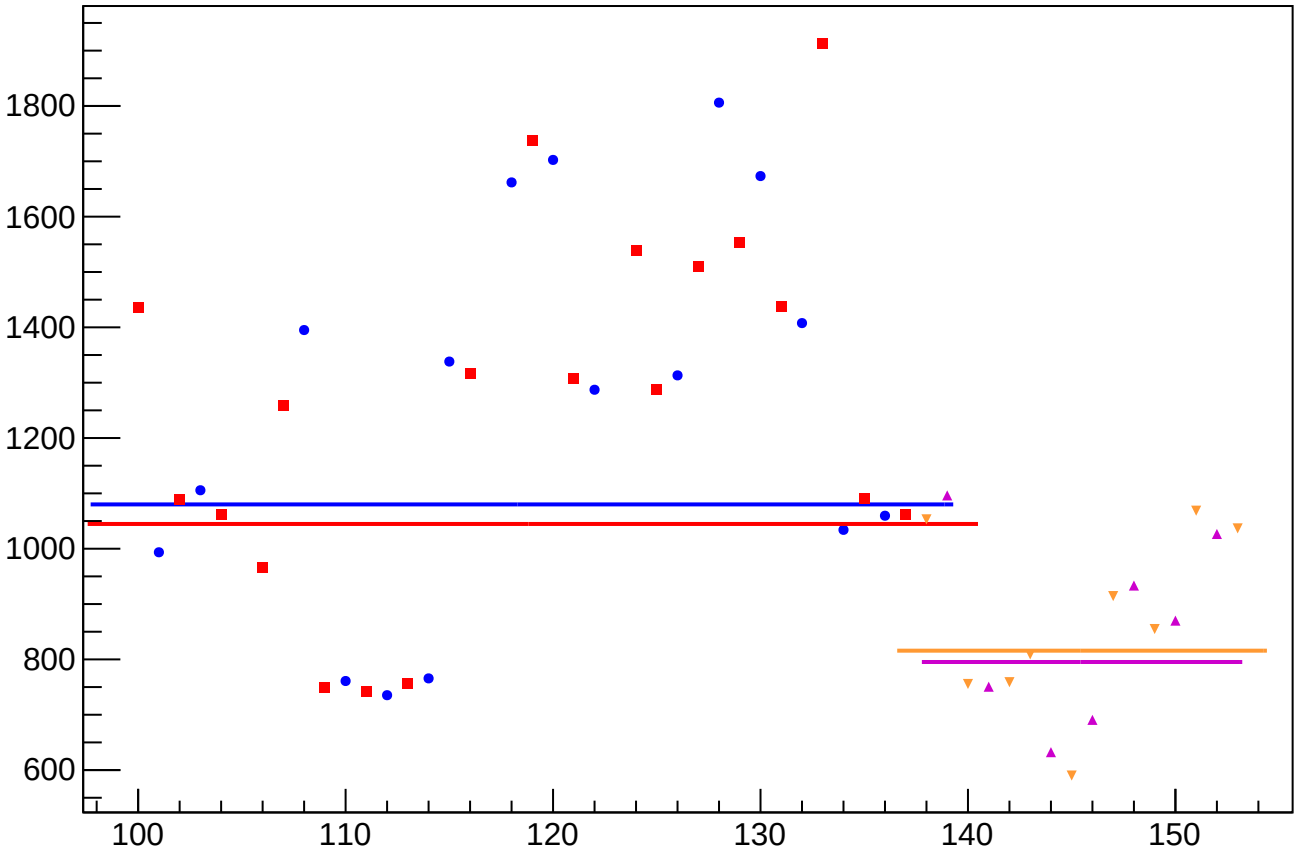
Left: -505.874+/-227.398 χ^2/NDF: 40.1/15

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 127.310+/-258.614 χ^2/NDF:29.3/22

Out: -444.442+/-247.945 χ^2/NDF:54.1/27

All: -170.602+/-178.976 χ^2/NDF: 85.9/50



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 815.773+/-0.223 χ^2/NDF:517164.4/8

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 795.306+/-0.232 χ^2/NDF:427406.8/6

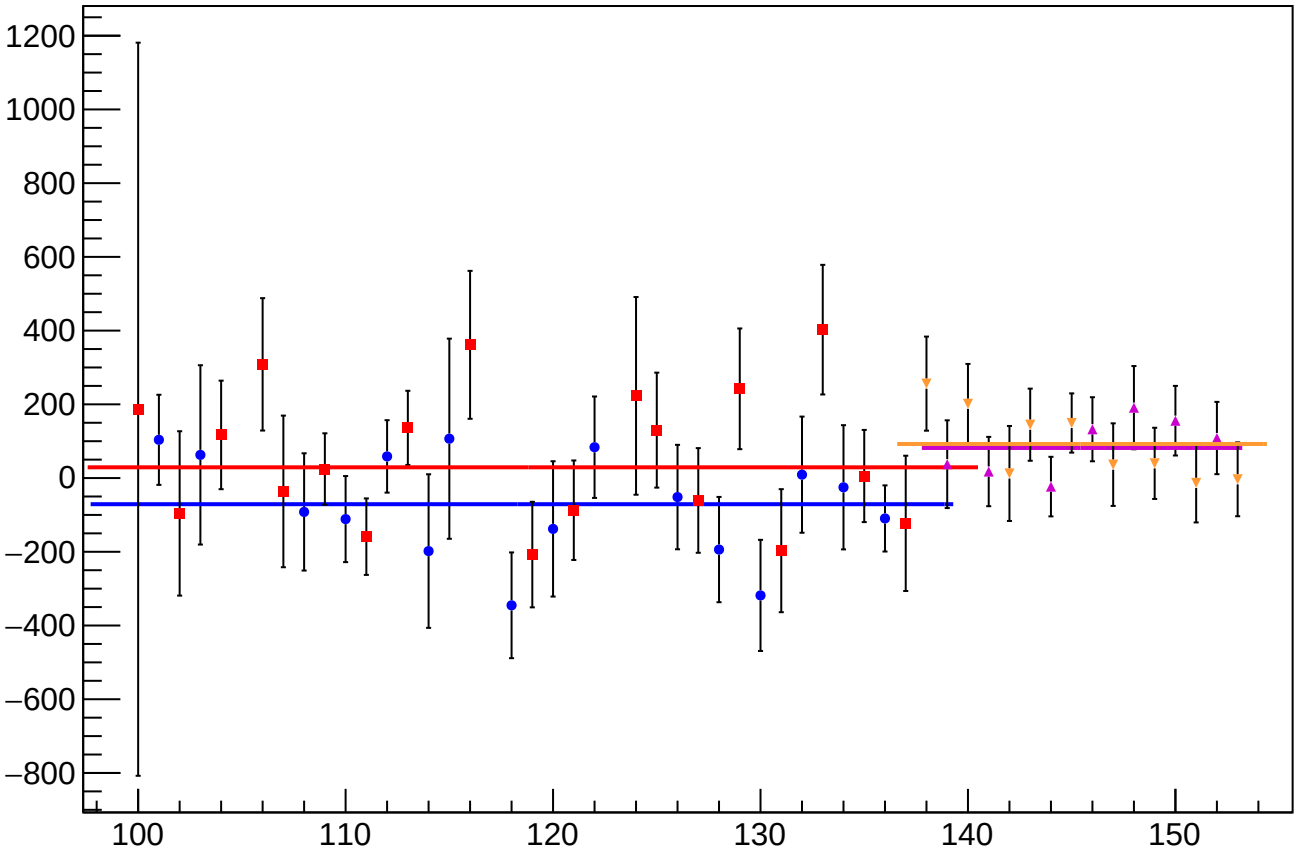
Left: 805.960+/-0.161 χ^2/NDF: 948614.8/15

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 903.482+/-0.183 χ^2/NDF:2052071.2/22

Out: 903.026+/-0.175 χ^2/NDF:2121188.9/27

All: 903.244+/-0.127 χ^2/NDF: 4173263.4/50



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 92.470+/-34.500 χ^2/NDF:6.3/8

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 81.668+/-36.181 χ^2/NDF:4.3/6

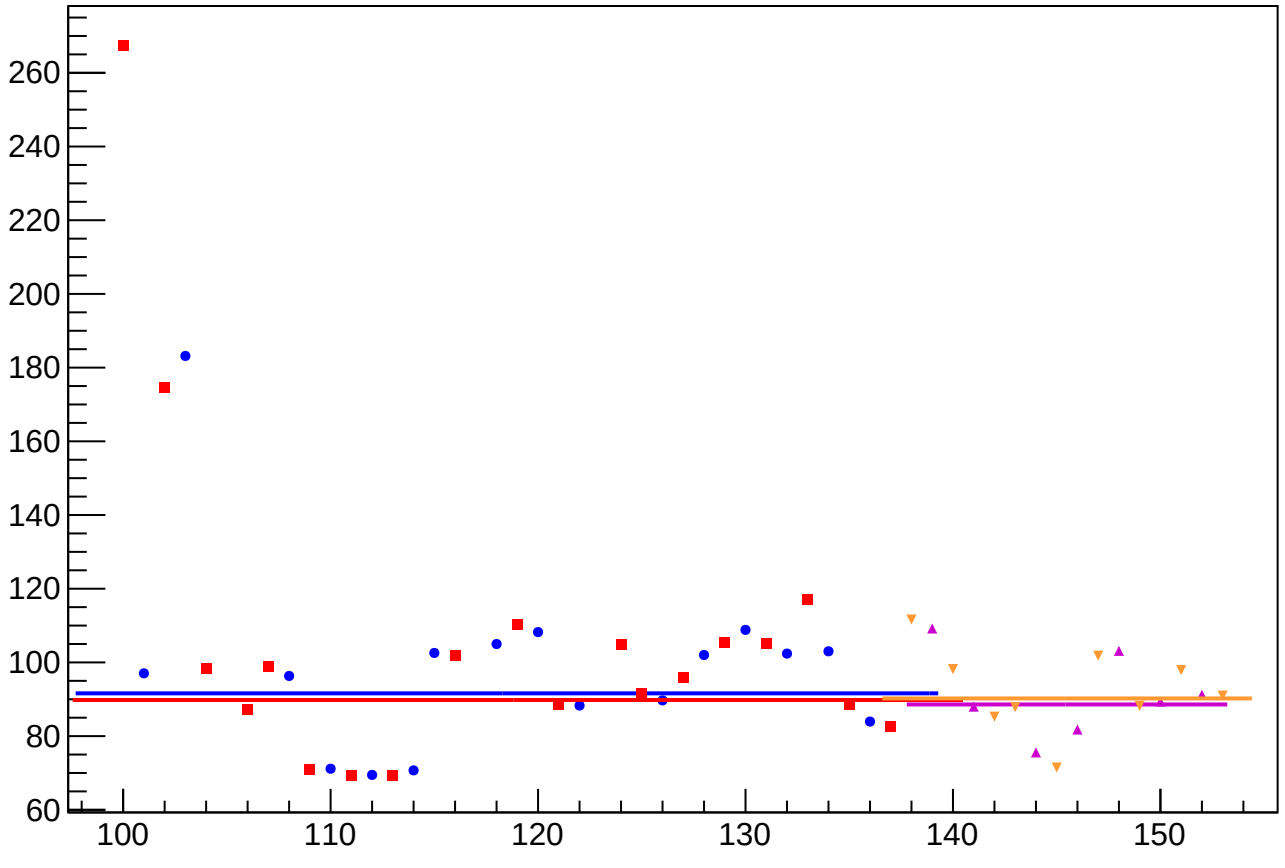
Left: 87.326+/-24.969 χ^2/NDF: 10.6/15

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 3.116+/-25.201 χ^2/NDF:27.5/22

Out: 60.581+/-24.305 χ^2/NDF:31.9/27

All: 32.888+/-17.495 χ^2/NDF: 62.1/50



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 90.224+/-0.024 χ^2/NDF:212769.1/8

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 88.594+/-0.026 χ^2/NDF:159036.1/6

Left: 89.447+/-0.018 χ^2/NDF: 373930.1/15

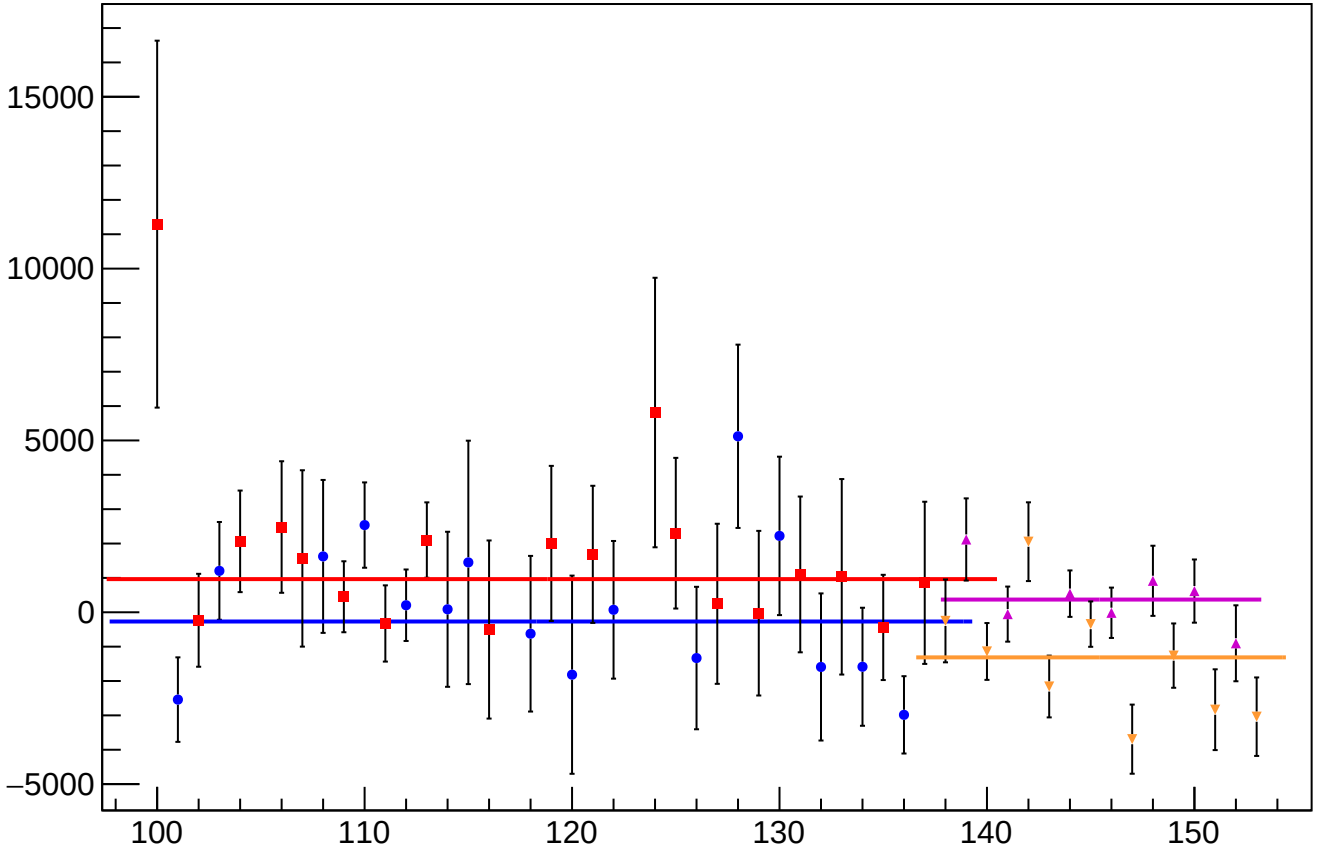
Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 90.146+/-0.018 χ^2/NDF:746857.6/22

Out: 90.014+/-0.017 χ^2/NDF:959749.4/27

All: 90.077+/-0.012 χ^2/NDF: 1706635.4/50

asym_sam_3748_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1312.372+/-315.174 χ^2/NDF:22.0/8

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 369.806+/-328.413 χ^2/NDF:4.4/6

Left: -505.874+/-227.398 χ^2/NDF: 40.1/15

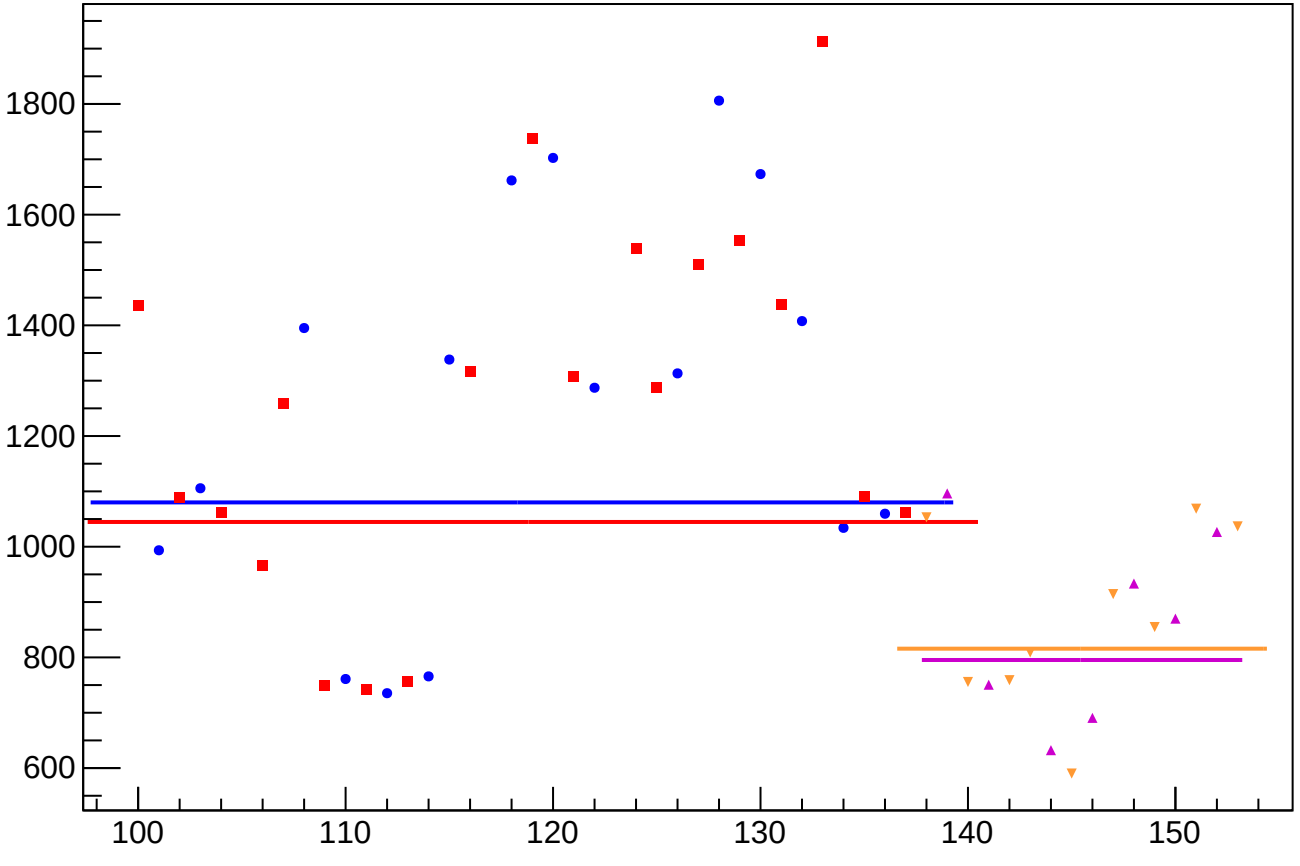
Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 127.310+/-258.614 χ^2/NDF:29.3/22

Out: -444.442+/-247.945 χ^2/NDF:54.1/27

All: -170.602+/-178.976 χ^2/NDF: 85.9/50

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: 815.773+/-0.223 χ^2/NDF:517164.4/8

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 795.306+/-0.232 χ^2/NDF:427406.8/6

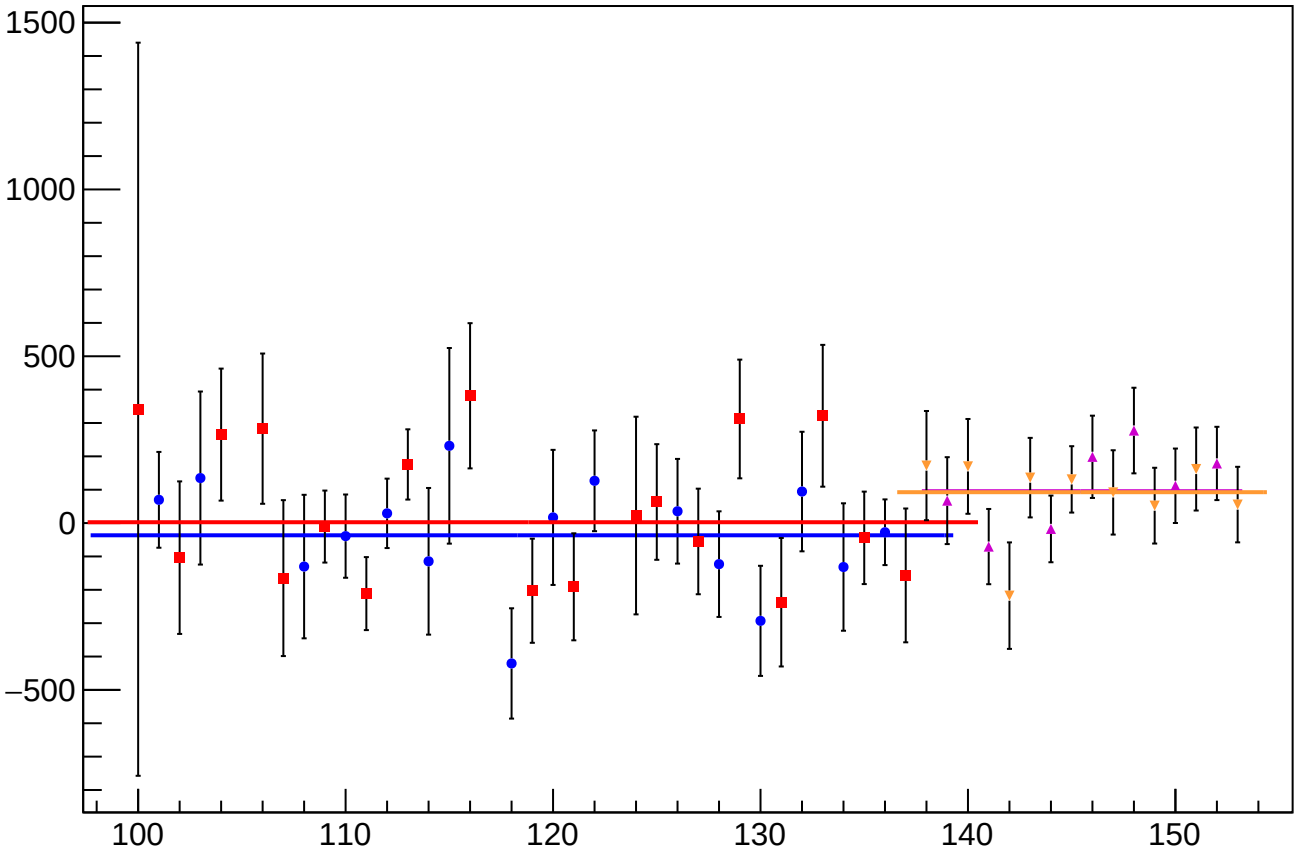
Left: 805.960+/-0.161 χ^2/NDF: 948614.8/15

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 903.482+/-0.183 χ^2/NDF:2052071.2/22

Out: 903.026+/-0.175 χ^2/NDF:2121188.9/27

All: 903.244+/-0.127 χ^2/NDF: 4173263.4/50



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 92.589+/-41.510 χ^2/NDF:5.1/8

Right Out: 2.568+/-38.165 χ^2/NDF: 24.7/18

Left In: 95.557+/-43.546 χ^2/NDF:6.8/6

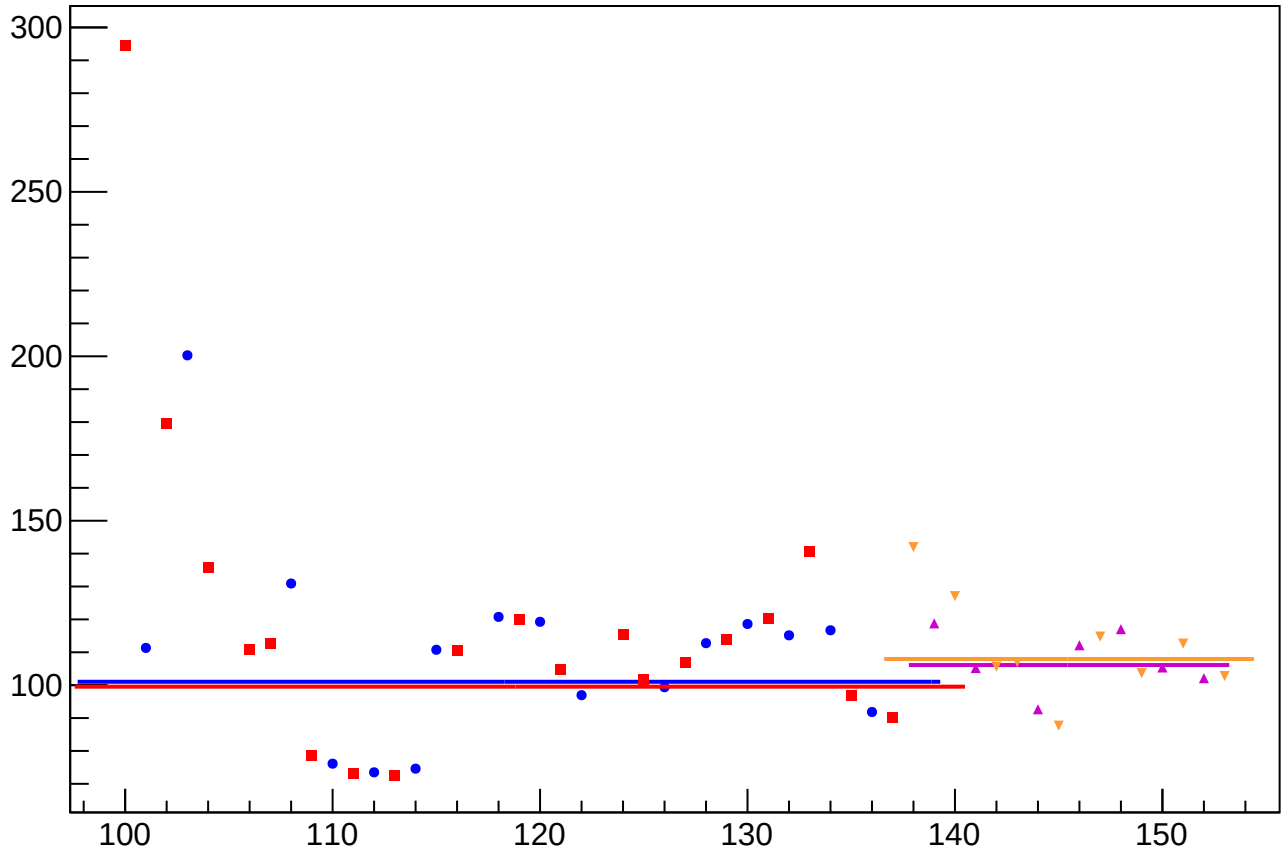
Left: 94.002+/-30.046 χ^2/NDF: 11.9/15

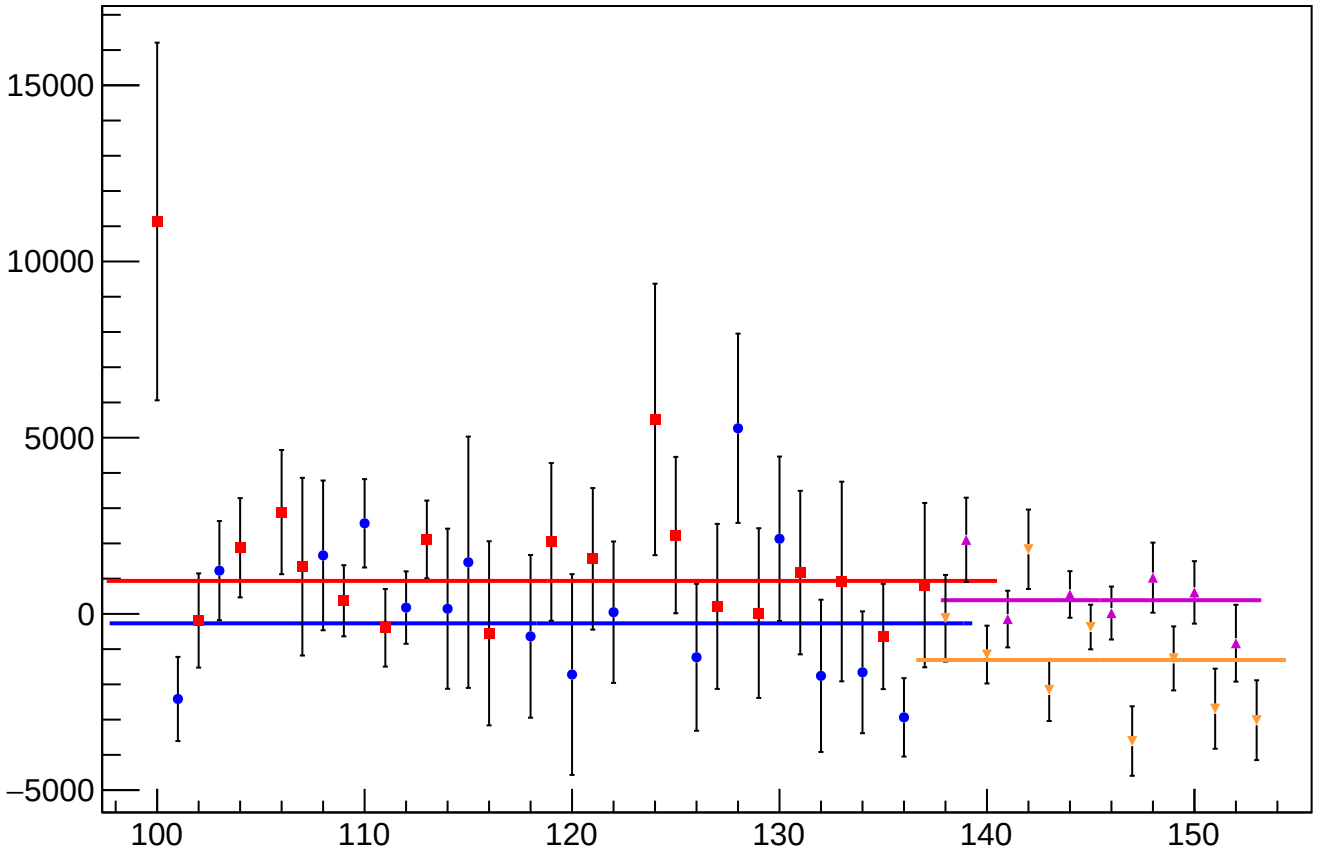
Right: -16.592+/-27.274 χ^2/NDF: 38.1/34

In: 22.213+/-29.048 χ^2/NDF:24.8/22

Out: 43.805+/-28.095 χ^2/NDF:32.4/27

All: 33.369+/-20.195 χ^2/NDF: 57.5/50


dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected
300
250
200
150
100
100
110
120
130
140
150
Right In: 101.031+/-0.028 χ²/NDF: 716095.9/15
Left Out: 107.961+/-0.029 χ²/NDF:221836.9/8
Right Out: 99.547+/-0.027 χ²/NDF: 880497.8/18
Left In: 106.123+/-0.031 χ²/NDF:77215.9/6
Left: 107.086+/-0.021 χ²/NDF: 300920.0/15
Right: 100.273+/-0.019 χ²/NDF: 1598073.3/34
In: 103.297+/-0.021 χ²/NDF:808487.7/22
Out: 103.401+/-0.020 χ²/NDF:1146863.7/27
All: 103.351+/-0.014 χ²/NDF: 1955364.8/50



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1307.380+/-308.437 χ^2/NDF:21.1/8

Right Out: 936.734+/-396.234 χ^2/NDF: 13.1/18

Left In: 388.733+/-325.657 χ^2/NDF:4.5/6

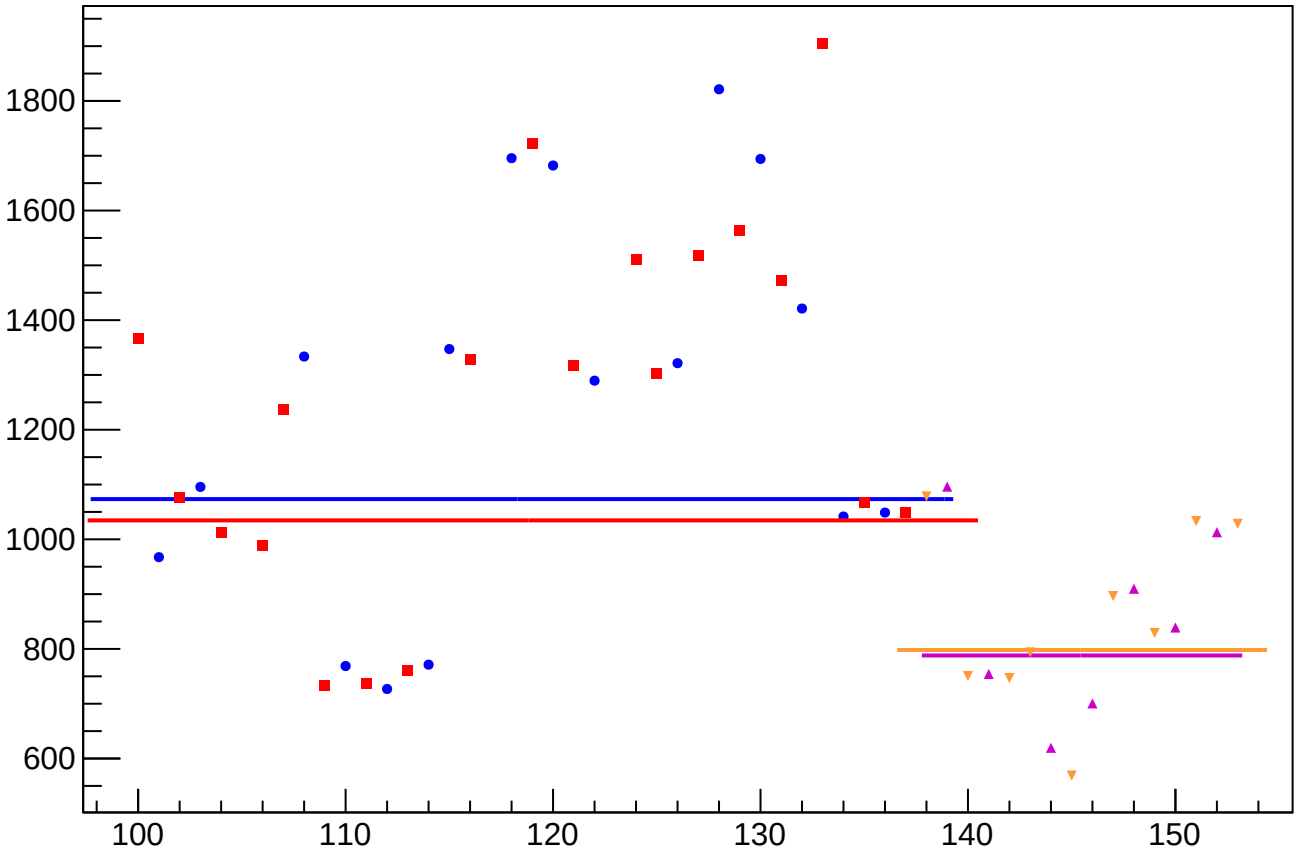
Left: -505.351+/-223.938 χ^2/NDF: 39.9/15

Right: 365.251+/-287.261 χ^2/NDF: 41.0/34

In: 140.026+/-256.677 χ^2/NDF:29.5/22

Out: -460.650+/-243.390 χ^2/NDF:54.2/27

All: -176.262+/-176.613 χ^2/NDF: 86.6/50



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 797.985+/-0.218 χ^2/NDF:566931.9/8

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

Left In: 788.085+/-0.230 χ^2/NDF:414837.8/6

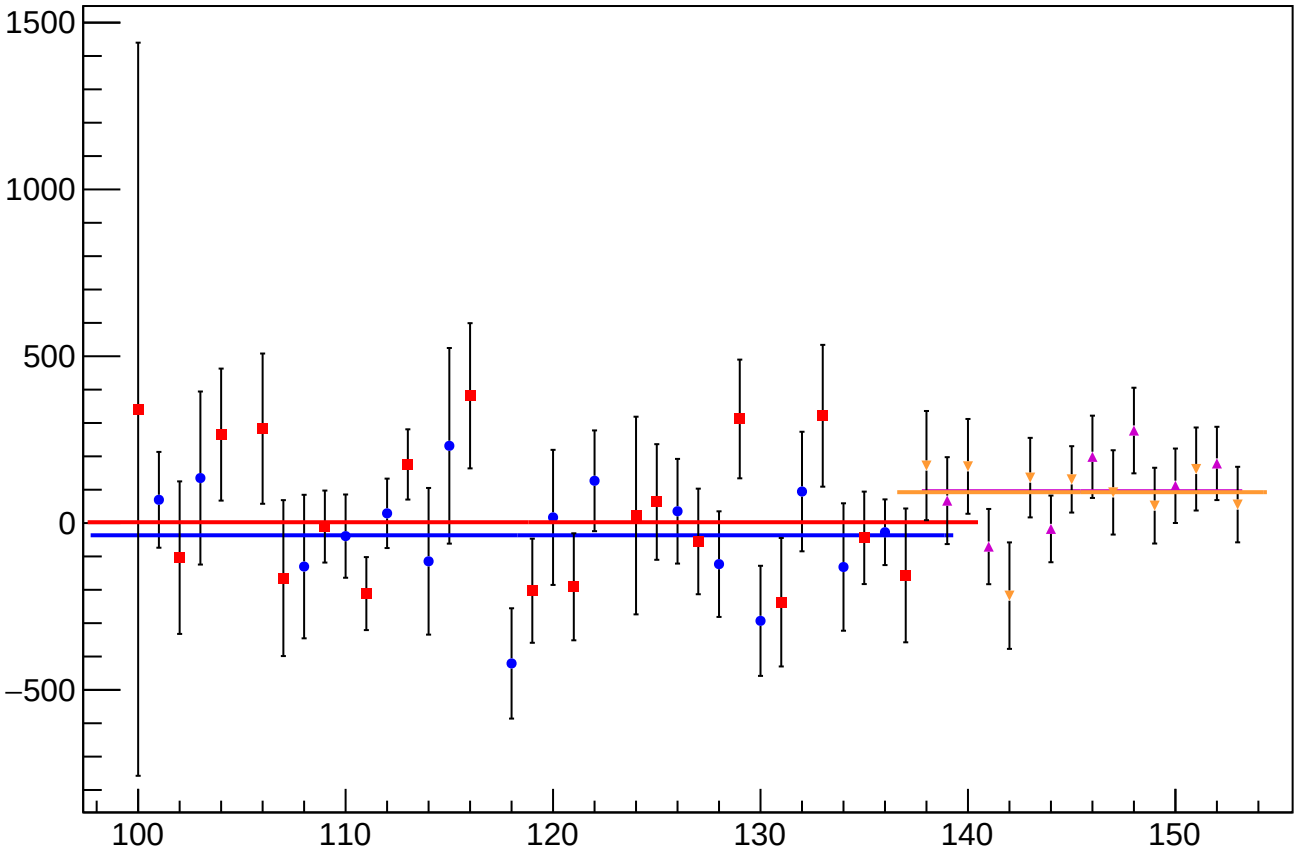
Left: 793.303+/-0.158 χ^2/NDF: 982743.9/15

Right: 1052.999+/-0.203 χ^2/NDF: 2315554.6/34

In: 896.175+/-0.181 χ^2/NDF:2073597.3/22

Out: 887.238+/-0.172 χ^2/NDF:2240134.0/27

All: 891.469+/-0.125 χ^2/NDF: 4315007.8/50



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 92.590+/-41.510 χ^2/NDF:5.1/8

Right Out: 2.566+/-38.165 χ^2/NDF: 24.7/18

Left In: 95.558+/-43.546 χ^2/NDF:6.8/6

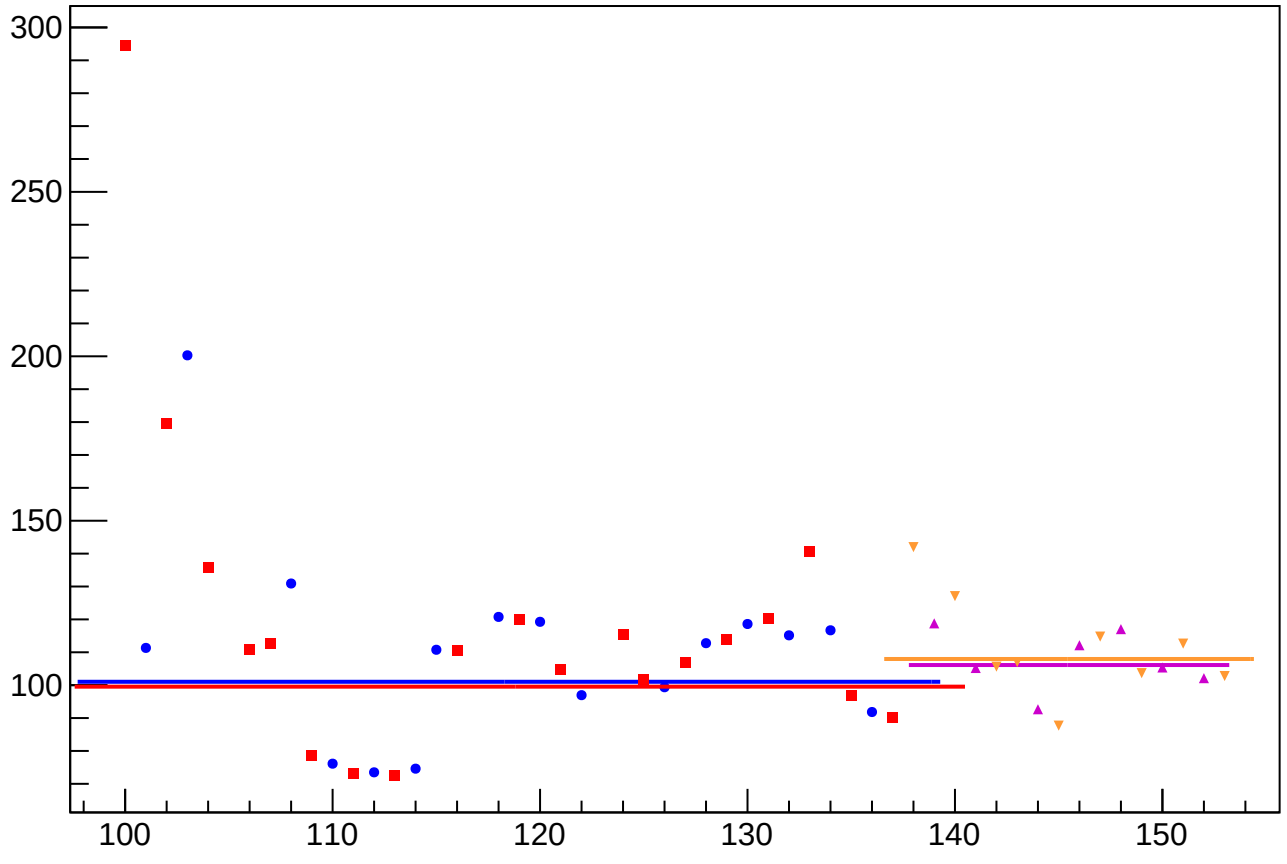
Left: 94.003+/-30.046 χ^2/NDF: 11.9/15

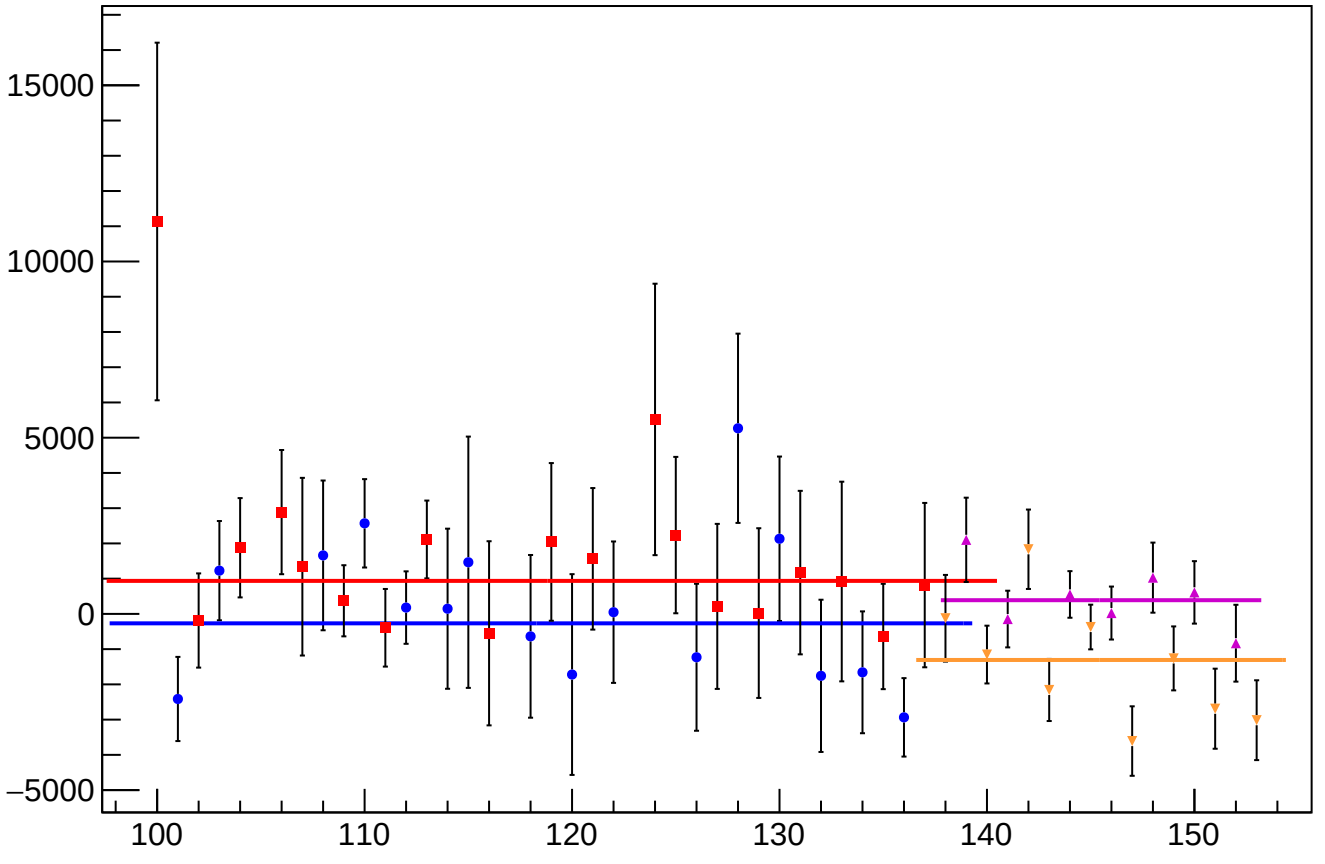
Right: -16.593+/-27.274 χ^2/NDF: 38.1/34

In: 22.214+/-29.048 χ^2/NDF:24.8/22

Out: 43.804+/-28.095 χ^2/NDF:32.4/27

All: 33.369+/-20.195 χ^2/NDF: 57.5/50


eigen_dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected
300
250
200
150
100
100
110
120
130
140
150
Right In: 101.031+/-0.028 χ²/NDF: 716094.5/15
Left Out: 107.961+/-0.029 χ²/NDF:221829.8/8
Right Out: 99.547+/-0.027 χ²/NDF: 880499.8/18
Left In: 106.123+/-0.031 χ²/NDF:77213.0/6
Left: 107.086+/-0.021 χ²/NDF: 300910.1/15
Right: 100.273+/-0.019 χ²/NDF: 1598074.0/34
In: 103.297+/-0.021 χ²/NDF:808485.2/22
Out: 103.402+/-0.020 χ²/NDF:1146862.3/27
All: 103.351+/-0.014 χ²/NDF: 1955360.9/50



Right In: -267.885+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1307.380+/-308.437 χ^2/NDF:21.1/8

Right Out: 936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: 388.732+/-325.657 χ^2/NDF:4.5/6

Left: -505.351+/-223.938 χ^2/NDF: 39.9/15

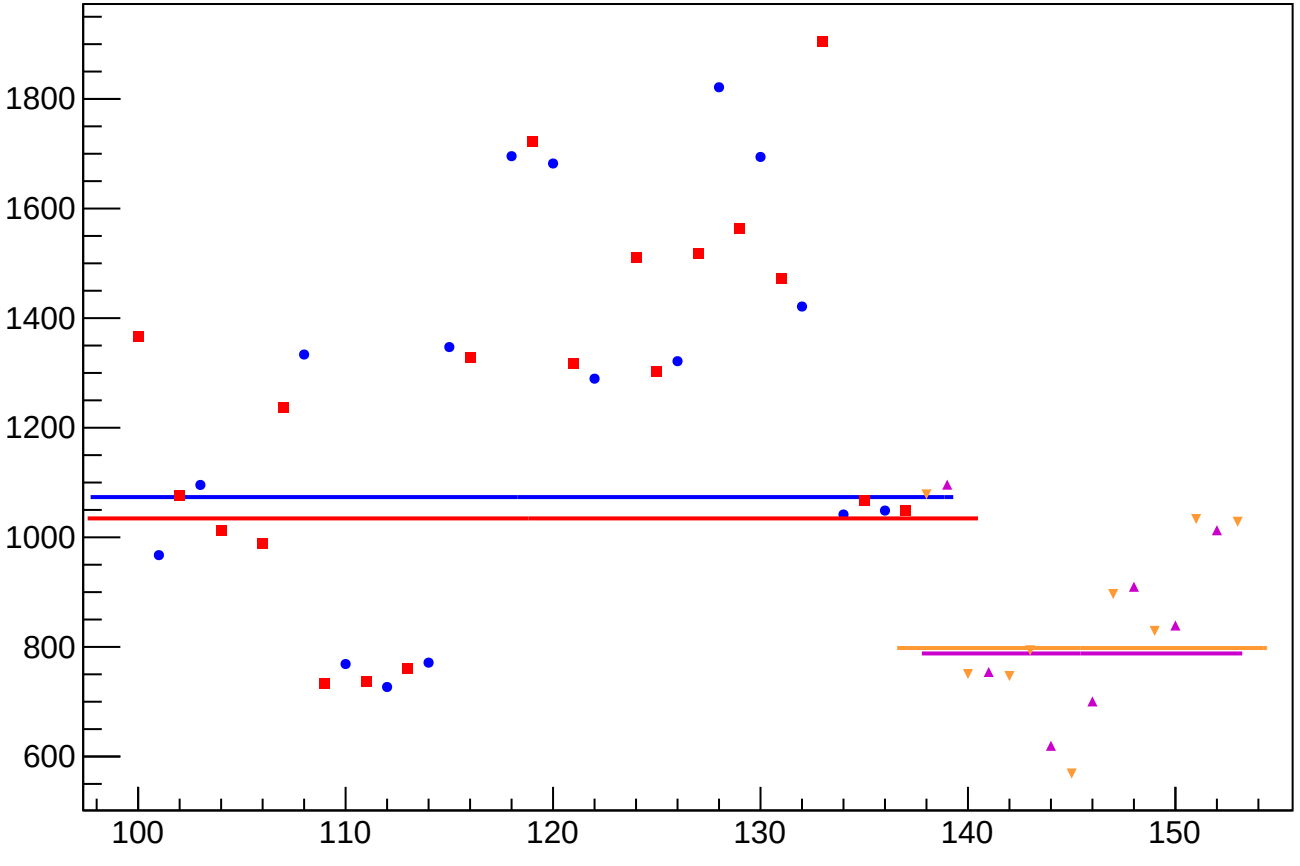
Right: 365.251+/-287.260 χ^2/NDF: 41.0/34

In: 140.026+/-256.677 χ^2/NDF:29.5/22

Out: -460.650+/-243.389 χ^2/NDF:54.2/27

All: -176.262+/-176.613 χ^2/NDF: 86.6/50

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: 797.983+/-0.218 χ^2/NDF:566935.2/8

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

Left In: 788.084+/-0.230 χ^2/NDF:414837.8/6

Left: 793.302+/-0.158 χ^2/NDF: 982747.2/15

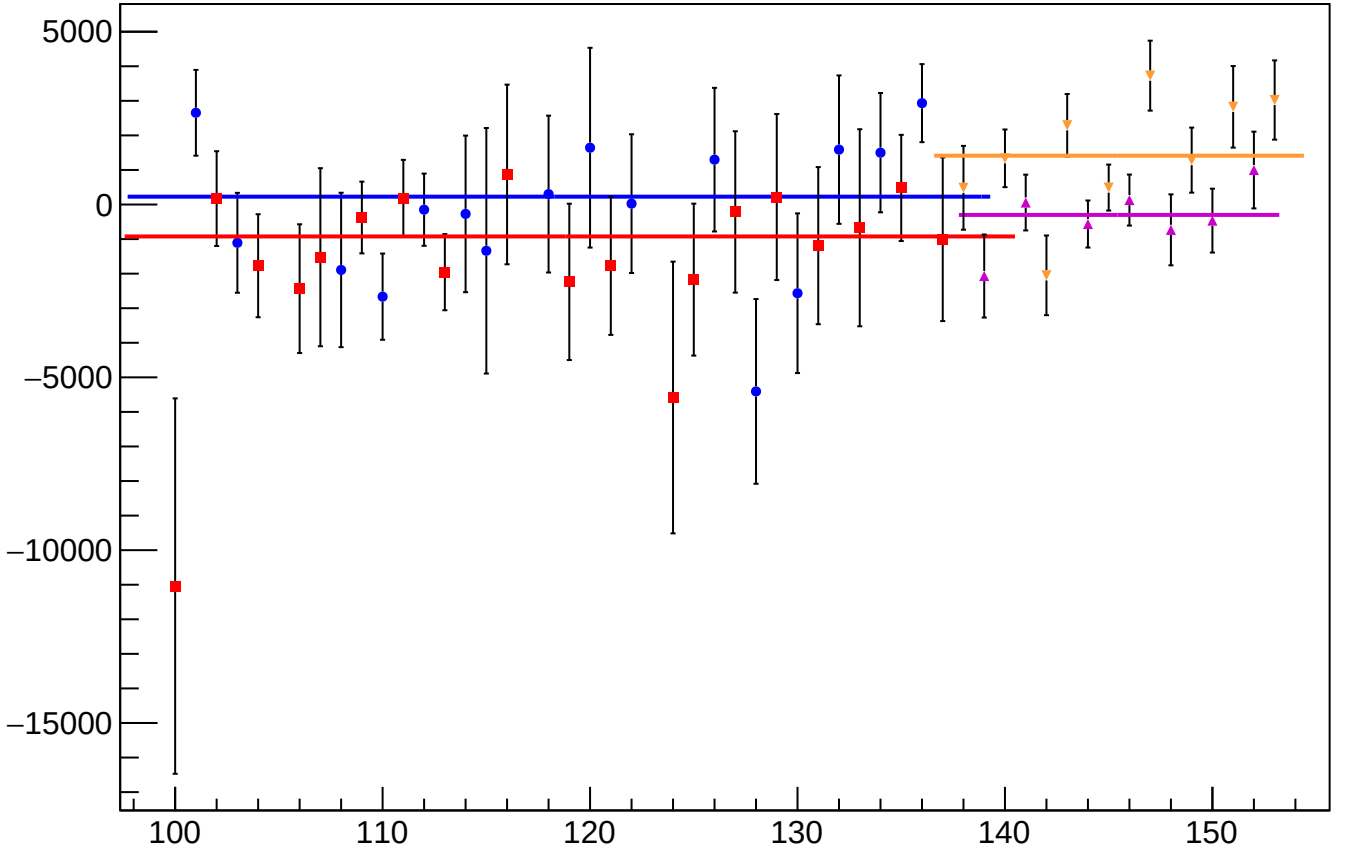
Right: 1052.997+/-0.203 χ^2/NDF: 2315562.9/34

In: 896.173+/-0.181 χ^2/NDF:2073599.6/22

Out: 887.236+/-0.172 χ^2/NDF:2240139.4/27

All: 891.468+/-0.125 χ^2/NDF: 4315015.7/50

asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 1413.123+/-317.205 χ^2/NDF:21.1/8

Right Out: -923.649+/-403.102 χ^2/NDF: 11.2/18

Left In: -300.604+/-330.520 χ^2/NDF:4.4/6

Left: 591.474+/-228.860 χ^2/NDF: 39.6/15

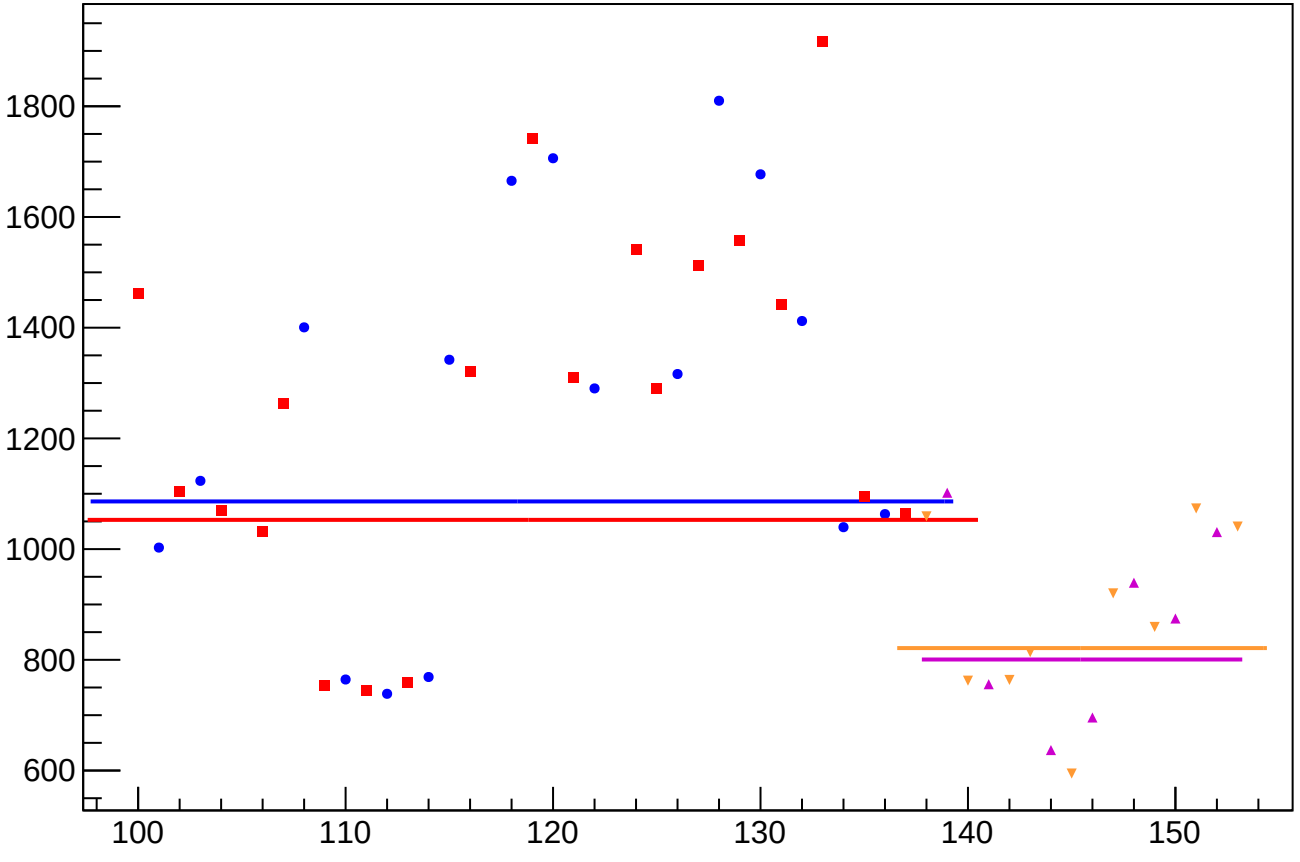
Right: -374.204+/-291.435 χ^2/NDF: 39.5/34

In: -99.719+/-260.171 χ^2/NDF:29.8/22

Out: 519.491+/-249.279 χ^2/NDF:53.1/27

All: 223.118+/-179.994 χ^2/NDF: 85.9/50

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 821.212+/-0.224 χ^2/NDF:511539.7/8

Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 800.574+/-0.234 χ^2/NDF:423059.3/6

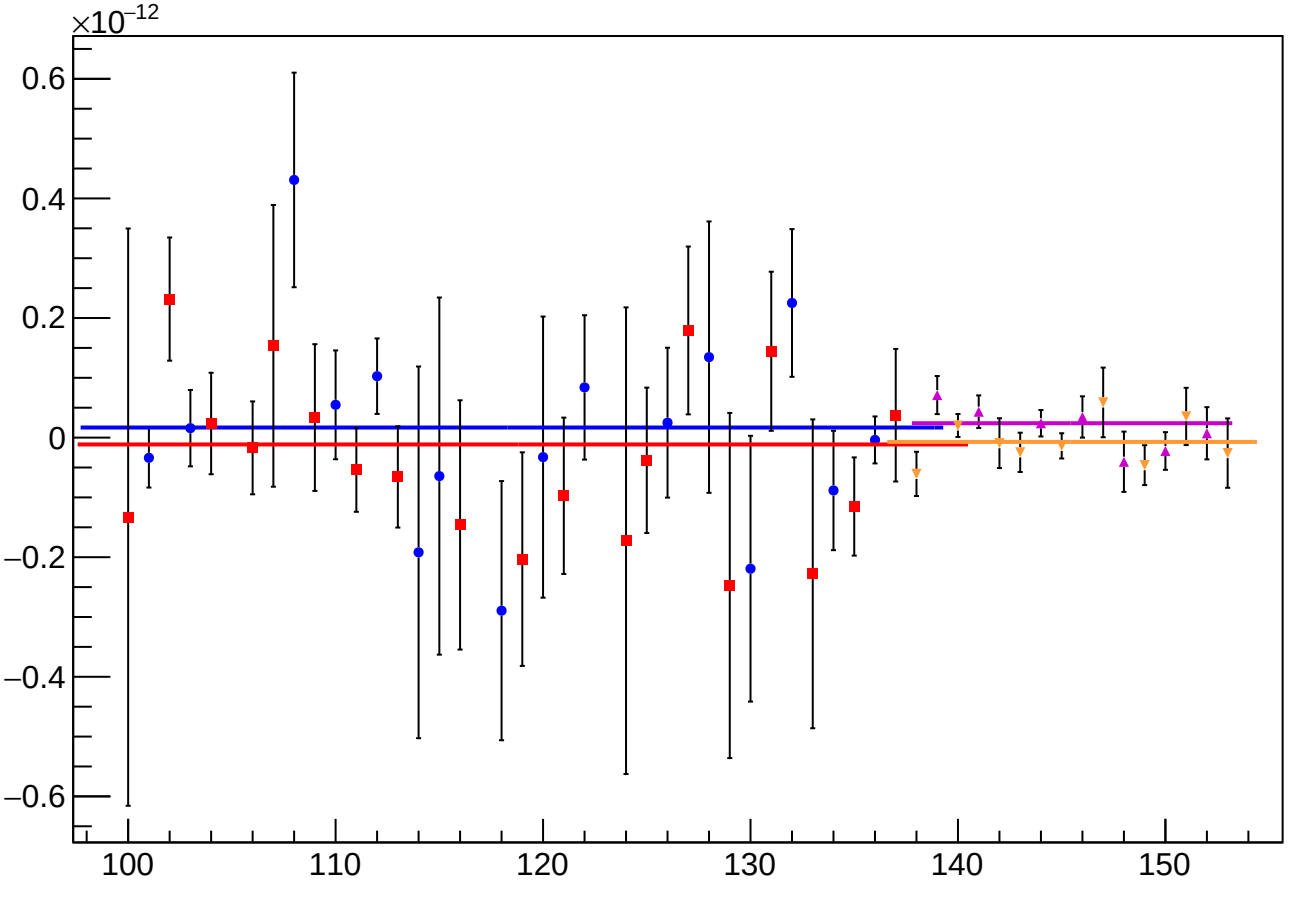
Left: 811.317+/-0.162 χ^2/NDF: 938658.1/15

Right: 1068.728+/-0.206 χ^2/NDF: 2248417.5/34

In: 909.199+/-0.184 χ^2/NDF:2038428.9/22

Out: 909.788+/-0.176 χ^2/NDF:2113753.8/27

All: 909.506+/-0.127 χ^2/NDF: 4152188.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.1/8

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: 0.000+/-0.000 χ^2/NDF:6.7/6

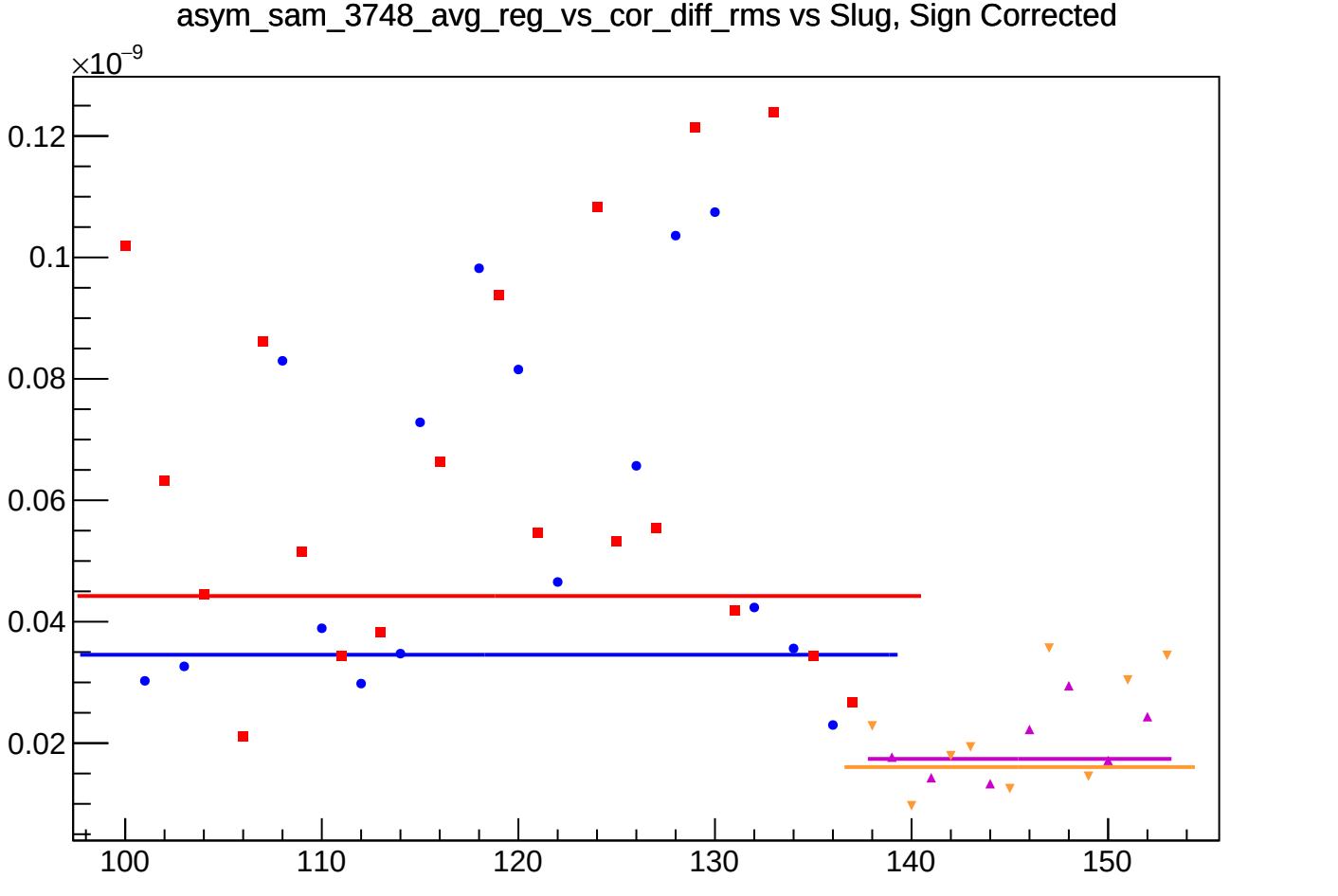
Left: 0.000+/-0.000 χ^2/NDF: 18.7/15

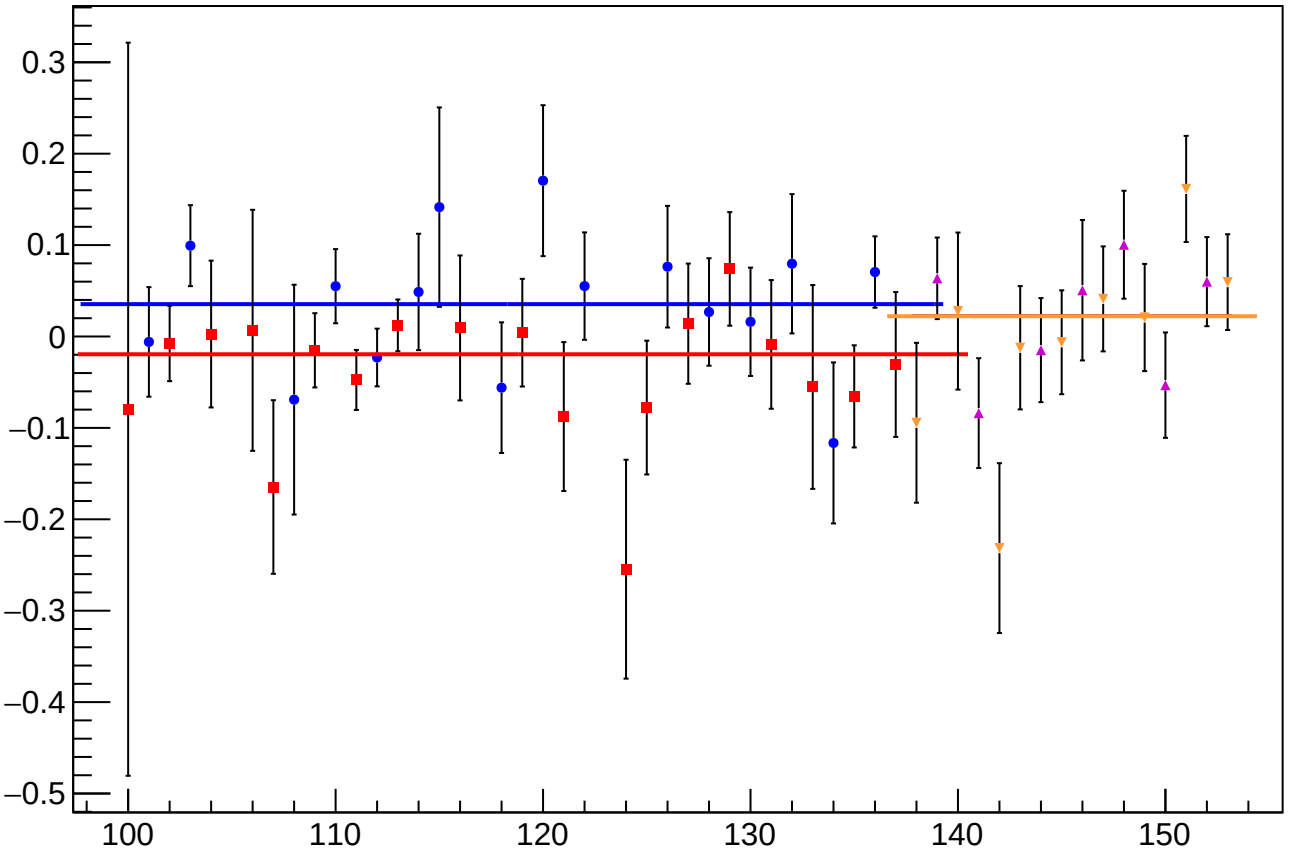
Right: 0.000+/-0.000 χ^2/NDF: 33.4/34

In: 0.000+/-0.000 χ^2/NDF:23.7/22

Out: -0.000+/-0.000 χ^2/NDF:23.9/27

All: 0.000+/-0.000 χ^2/NDF: 52.1/50


asym_sam_3748_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1188815.4/15
Left Out: 0.000+/-0.000 χ²/NDF:979341.5/8
Right Out: 0.000+/-0.000 χ²/NDF: 1073061.4/18
Left In: 0.000+/-0.000 χ²/NDF:298666.7/6
Left: 0.000+/-0.000 χ²/NDF: 1292553.6/15
Right: 0.000+/-0.000 χ²/NDF: 2418011.3/34
In: 0.000+/-0.000 χ²/NDF:2441988.4/22
Out: 0.000+/-0.000 χ²/NDF:3958521.8/27
All: 0.000+/-0.000 χ²/NDF: 6423799.9/50



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.022+/-0.021 χ^2/NDF:16.1/8

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.022+/-0.021 χ^2/NDF:8.6/6

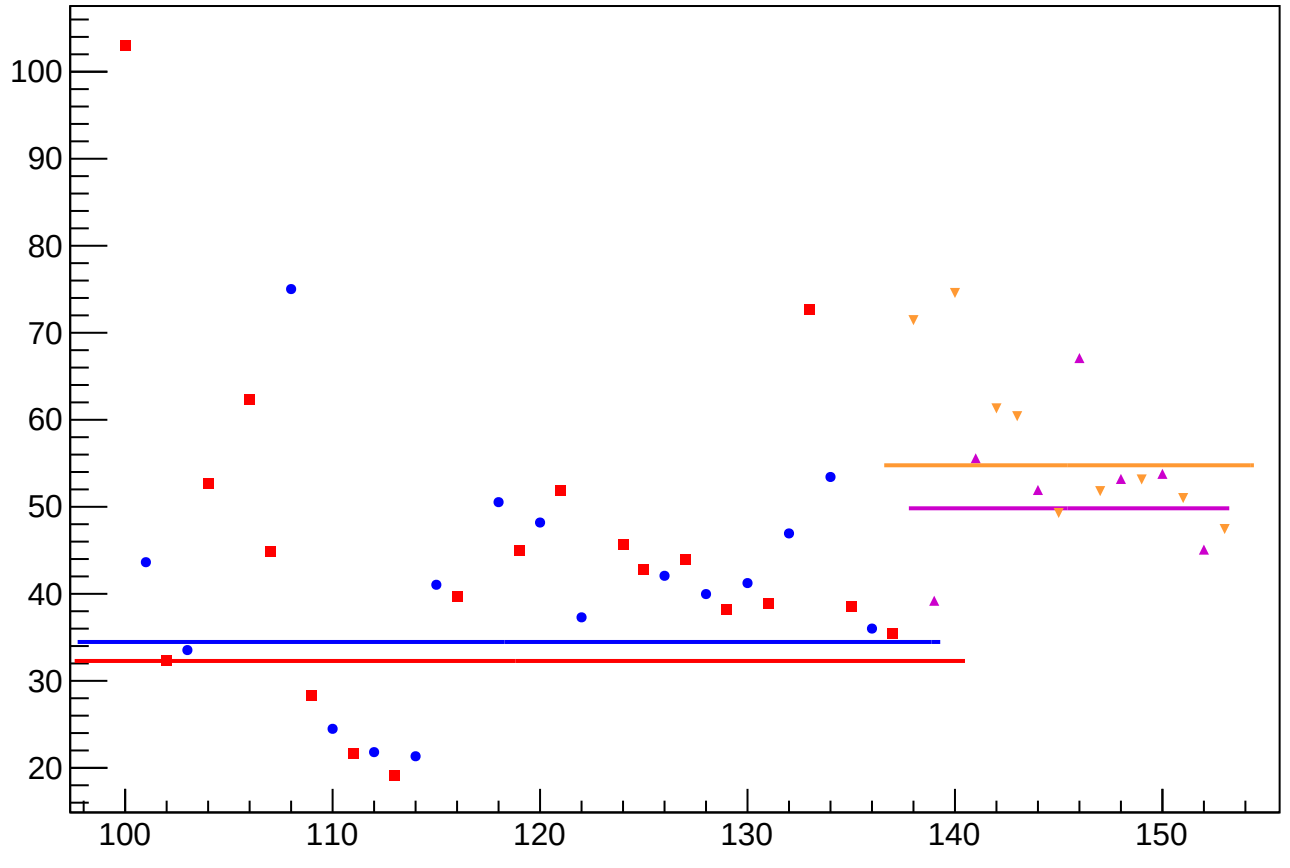
Left: 0.022+/-0.015 χ^2/NDF: 24.7/15

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.031+/-0.012 χ^2/NDF:25.8/22

Out: -0.008+/-0.011 χ^2/NDF:32.2/27

All: 0.011+/-0.008 χ^2/NDF: 64.1/50



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 54.772+/-0.015 χ^2/NDF:275867.1/8

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 49.829+/-0.015 χ^2/NDF:270315.9/6

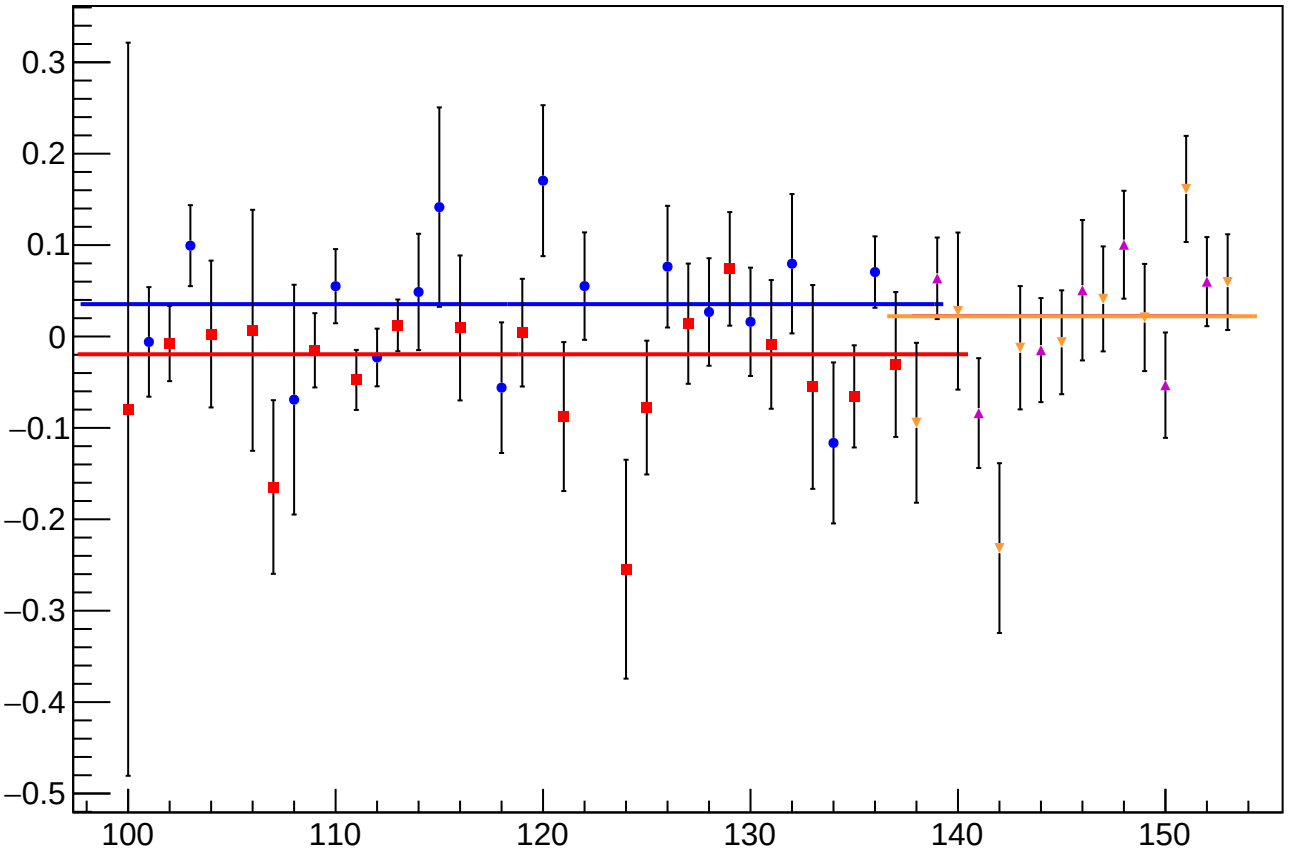
Left: 52.245+/-0.011 χ^2/NDF: 600306.8/15

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 39.141+/-0.008 χ^2/NDF:2185511.7/22

Out: 38.395+/-0.008 χ^2/NDF:3544153.4/27

All: 38.755+/-0.006 χ^2/NDF: 5733954.2/50



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.022+/-0.021 χ^2/NDF:16.1/8

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.022+/-0.021 χ^2/NDF:8.6/6

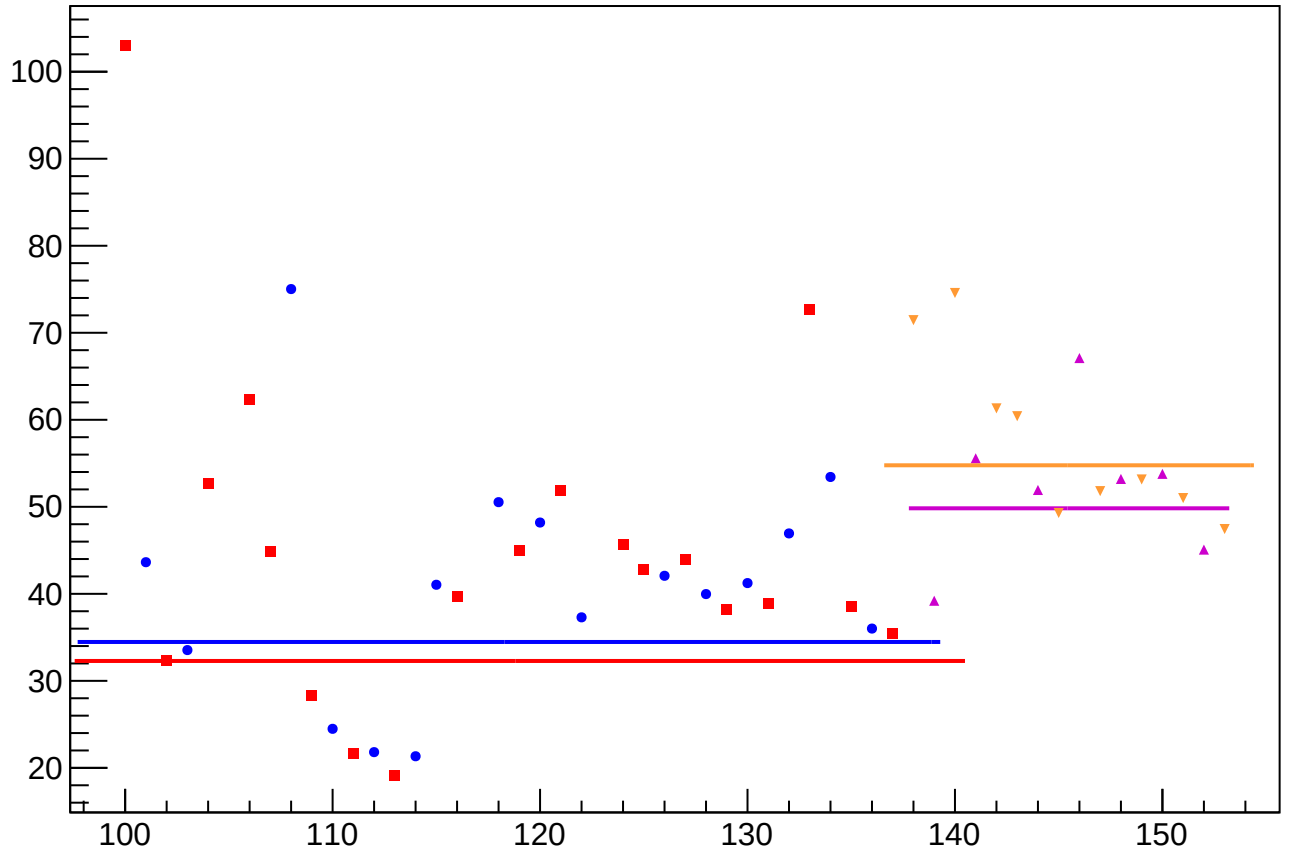
Left: 0.022+/-0.015 χ^2/NDF: 24.7/15

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.031+/-0.012 χ^2/NDF:25.8/22

Out: -0.008+/-0.011 χ^2/NDF:32.2/27

All: 0.011+/-0.008 χ^2/NDF: 64.1/50



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 54.772+/-0.015 χ^2/NDF:275867.1/8

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 49.829+/-0.015 χ^2/NDF:270315.9/6

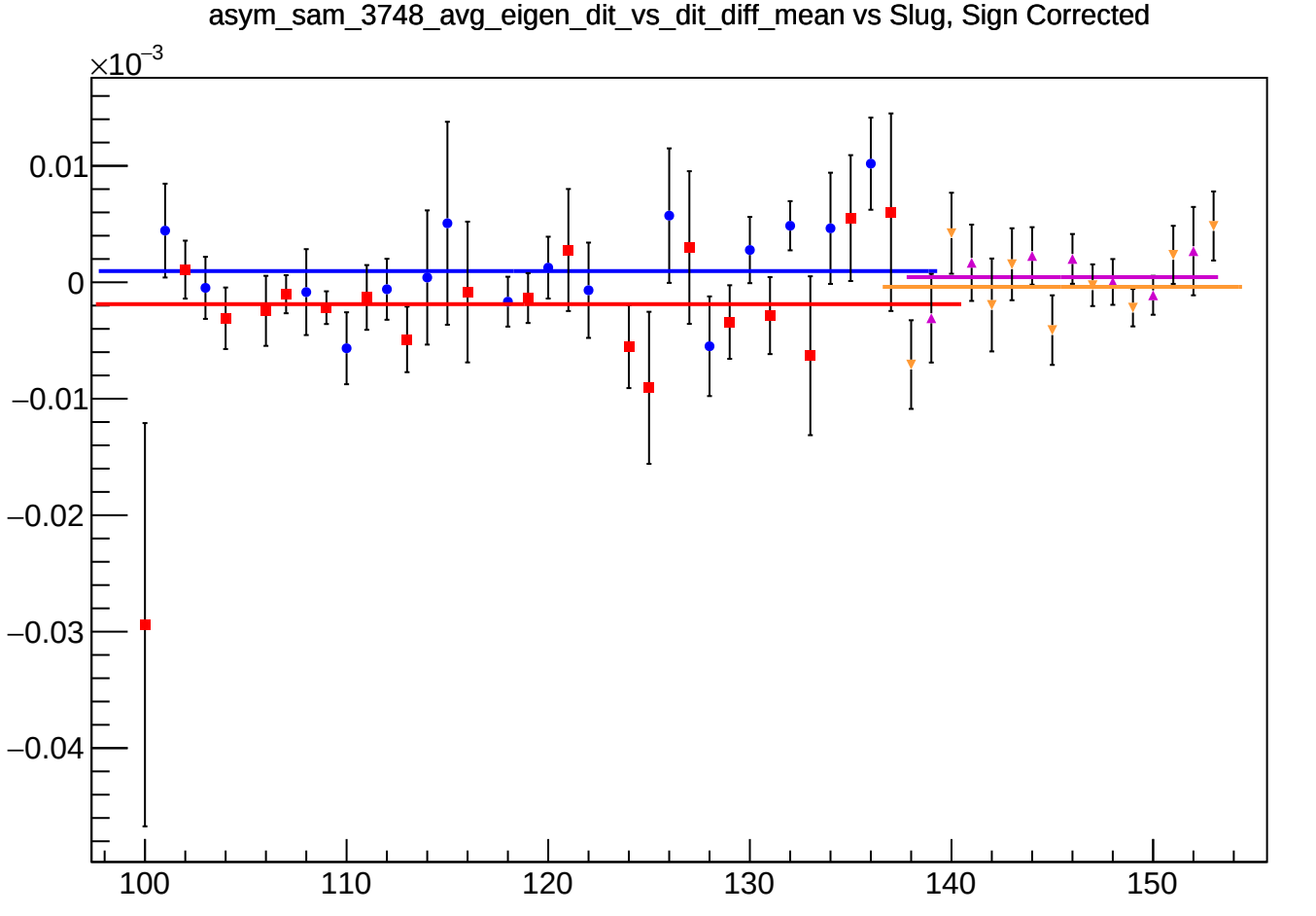
Left: 52.245+/-0.011 χ^2/NDF: 600306.8/15

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 39.141+/-0.008 χ^2/NDF:2185511.7/22

Out: 38.395+/-0.008 χ^2/NDF:3544153.4/27

All: 38.755+/-0.006 χ^2/NDF: 5733954.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.5/8

Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:3.3/6

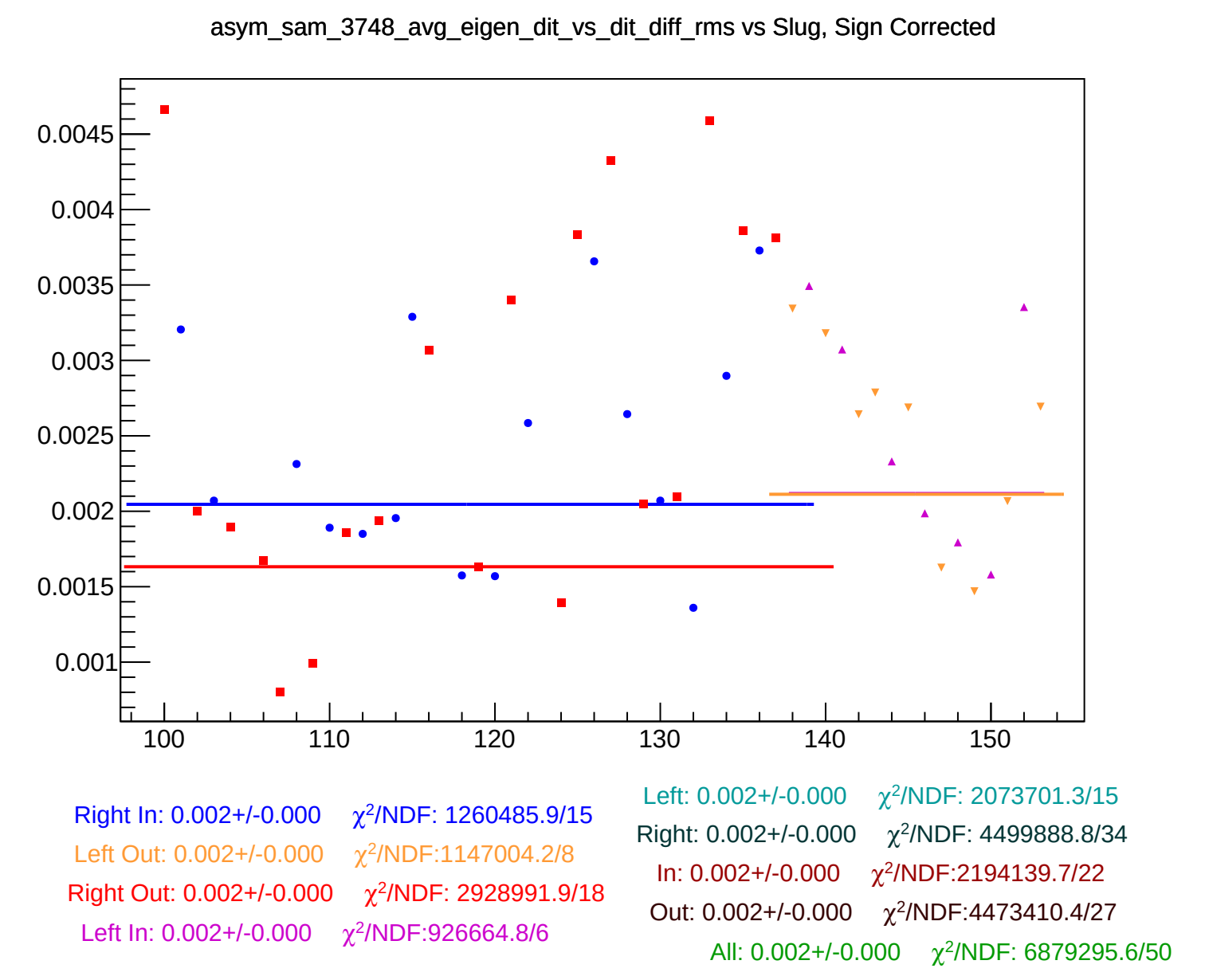
Left: -0.000+/-0.000 χ^2/NDF: 16.3/15

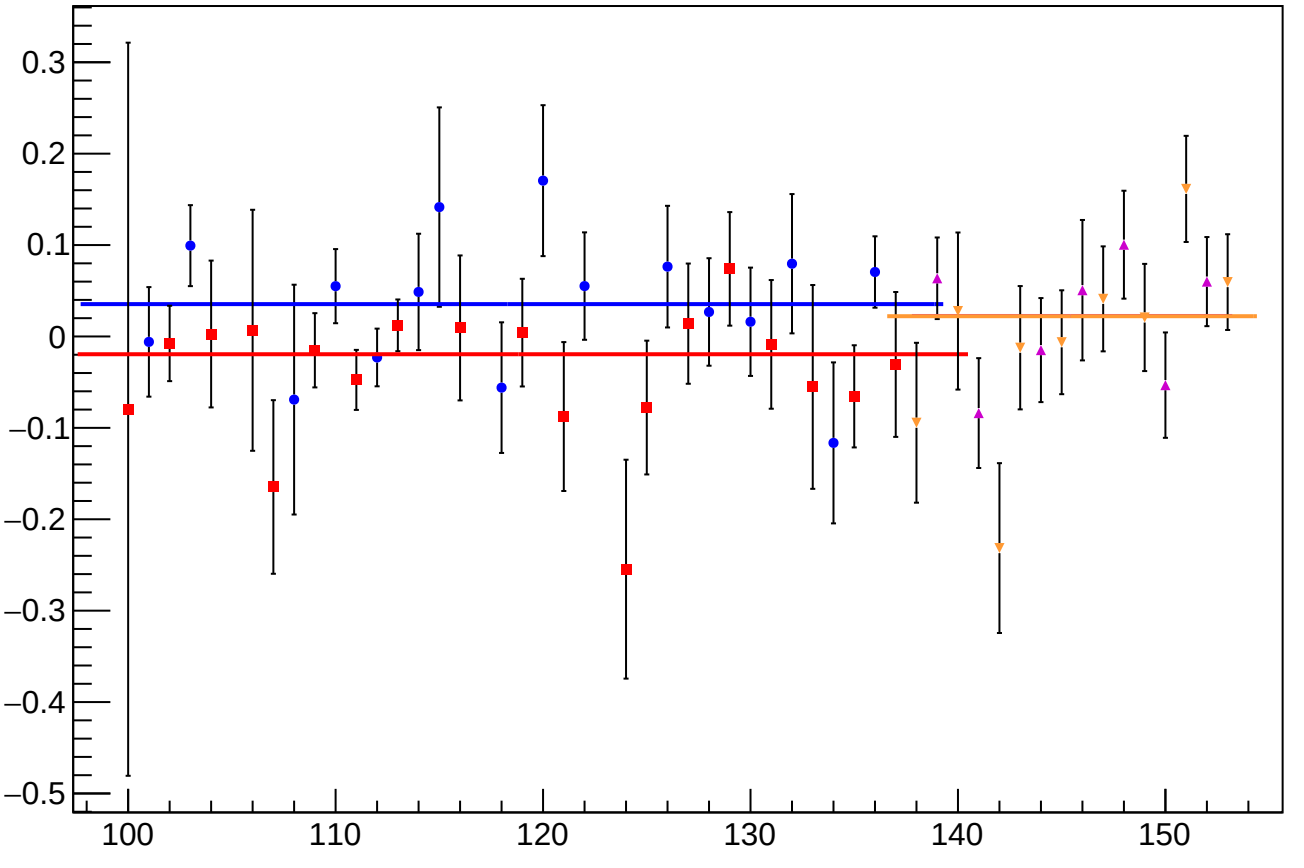
Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

In: 0.000+/-0.000 χ^2/NDF:24.5/22

Out: -0.000+/-0.000 χ^2/NDF:27.3/27

All: -0.000+/-0.000 χ^2/NDF: 58.2/50


asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
110
120
130
140
150
Right In: 0.002+/-0.000 χ²/NDF: 1260485.9/15
Left Out: 0.002+/-0.000 χ²/NDF:1147004.2/8
Right Out: 0.002+/-0.000 χ²/NDF: 2928991.9/18
Left In: 0.002+/-0.000 χ²/NDF:926664.8/6
Left: 0.002+/-0.000 χ²/NDF: 2073701.3/15
Right: 0.002+/-0.000 χ²/NDF: 4499888.8/34
In: 0.002+/-0.000 χ²/NDF:2194139.7/22
Out: 0.002+/-0.000 χ²/NDF:4473410.4/27
All: 0.002+/-0.000 χ²/NDF: 6879295.6/50



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.022+/-0.021 χ^2/NDF:16.1/8

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.022+/-0.021 χ^2/NDF:8.6/6

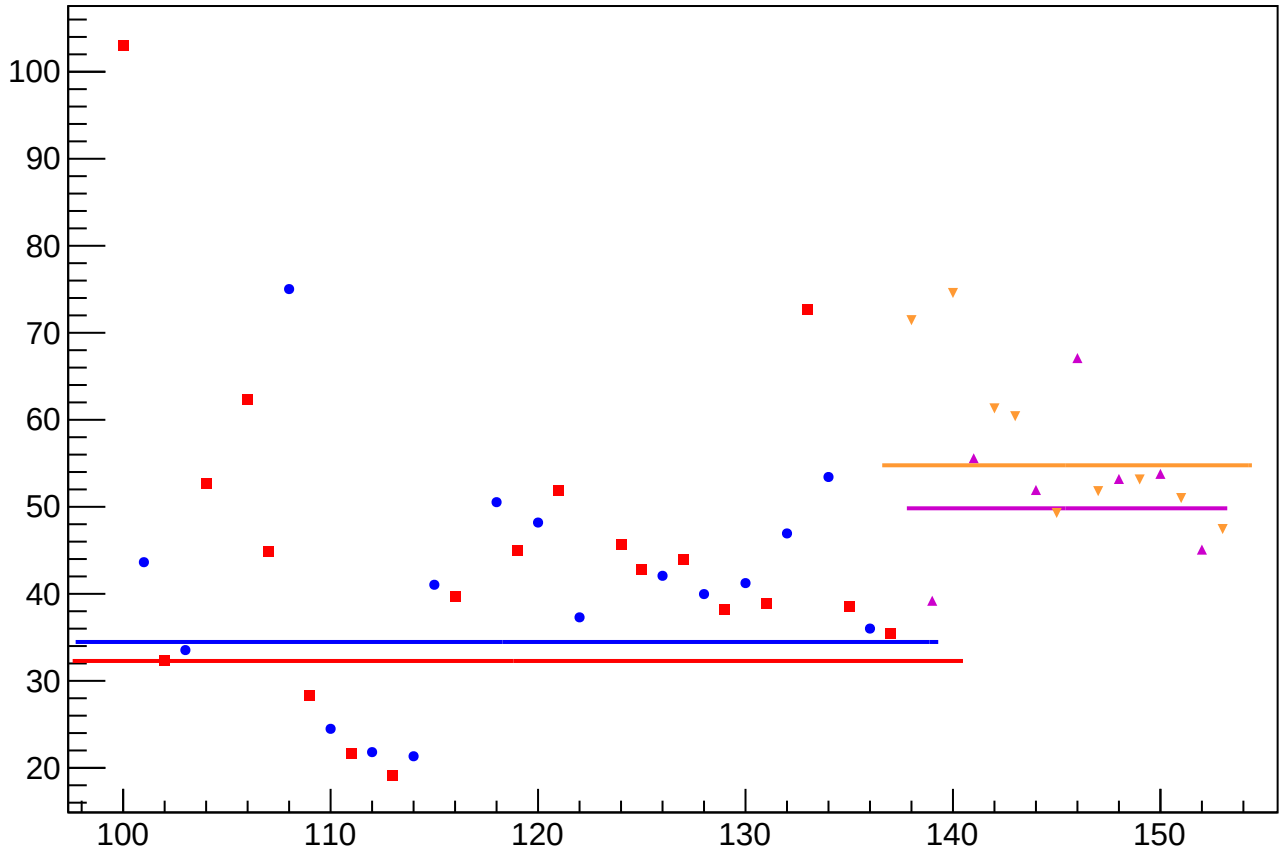
Left: 0.022+/-0.015 χ^2/NDF: 24.7/15

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.031+/-0.012 χ^2/NDF:25.8/22

Out: -0.008+/-0.011 χ^2/NDF:32.2/27

All: 0.011+/-0.008 χ^2/NDF: 64.1/50



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 54.773+/-0.015 χ^2/NDF:275846.4/8

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 49.829+/-0.015 χ^2/NDF:270325.6/6

Left: 52.245+/-0.011 χ^2/NDF: 600301.0/15

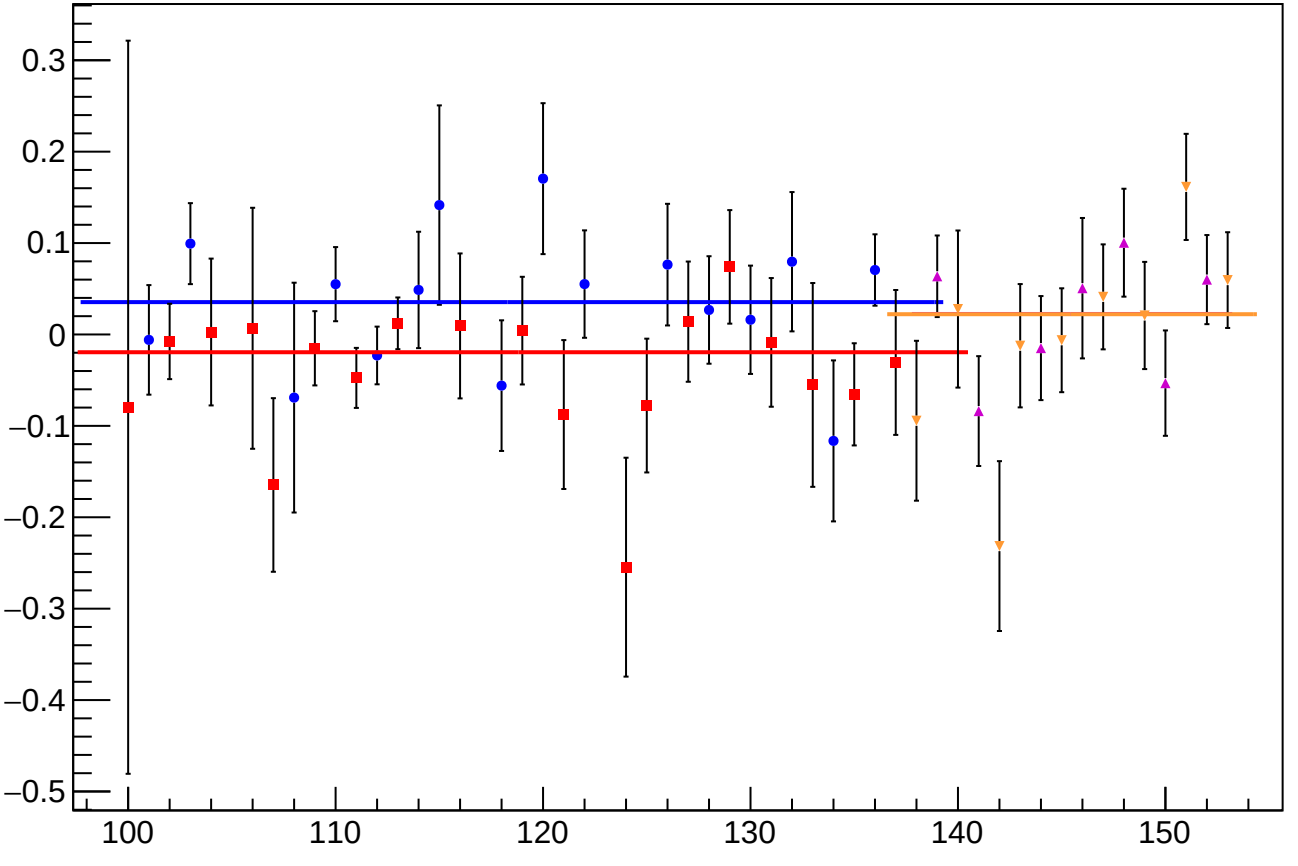
Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

In: 39.142+/-0.008 χ^2/NDF:2185487.7/22

Out: 38.395+/-0.008 χ^2/NDF:3544138.0/27

All: 38.756+/-0.006 χ^2/NDF: 5733914.0/50

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: 0.022+/-0.021 χ^2/NDF:16.1/8

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.022+/-0.021 χ^2/NDF:8.6/6

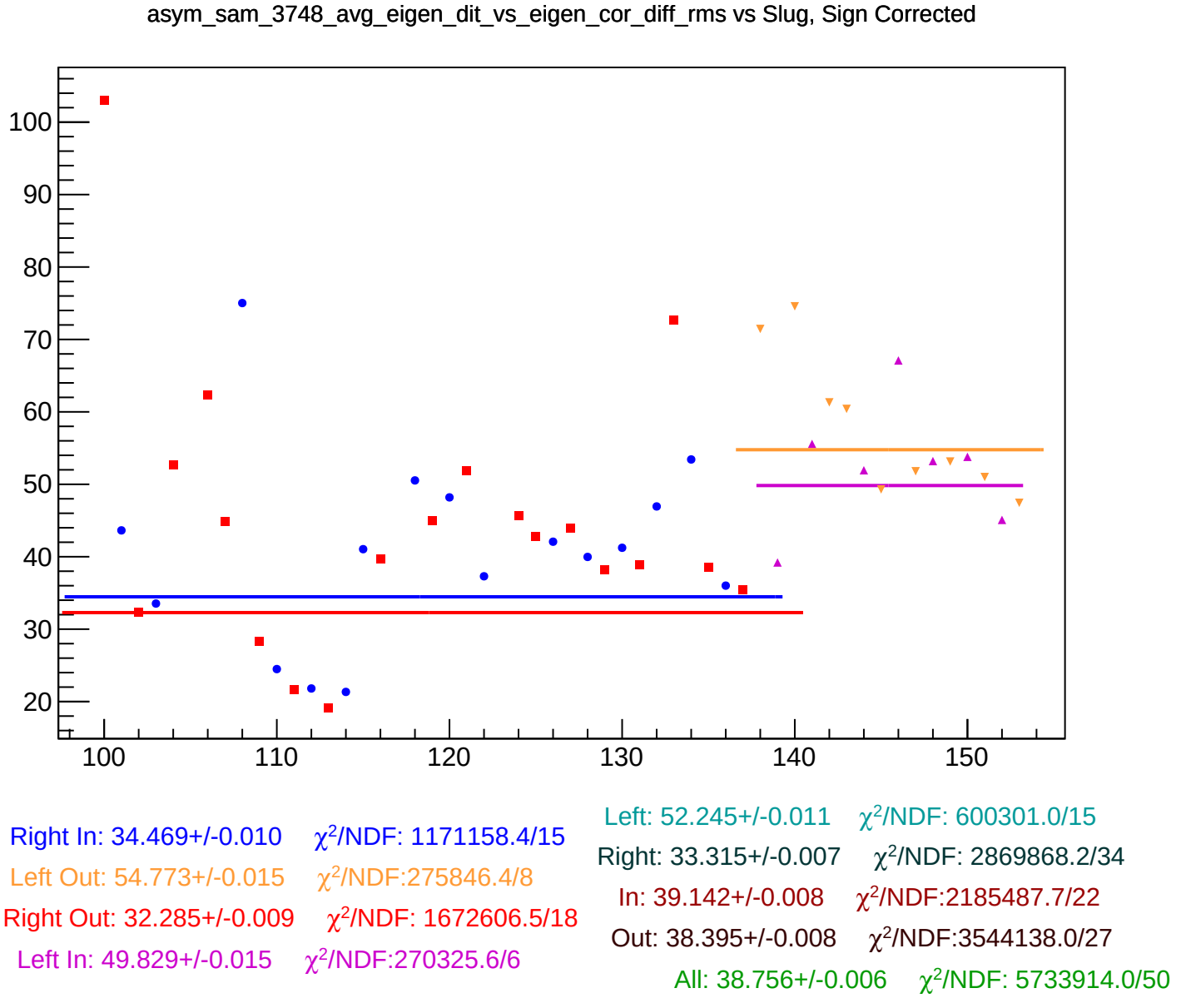
Left: 0.022+/-0.015 χ^2/NDF: 24.7/15

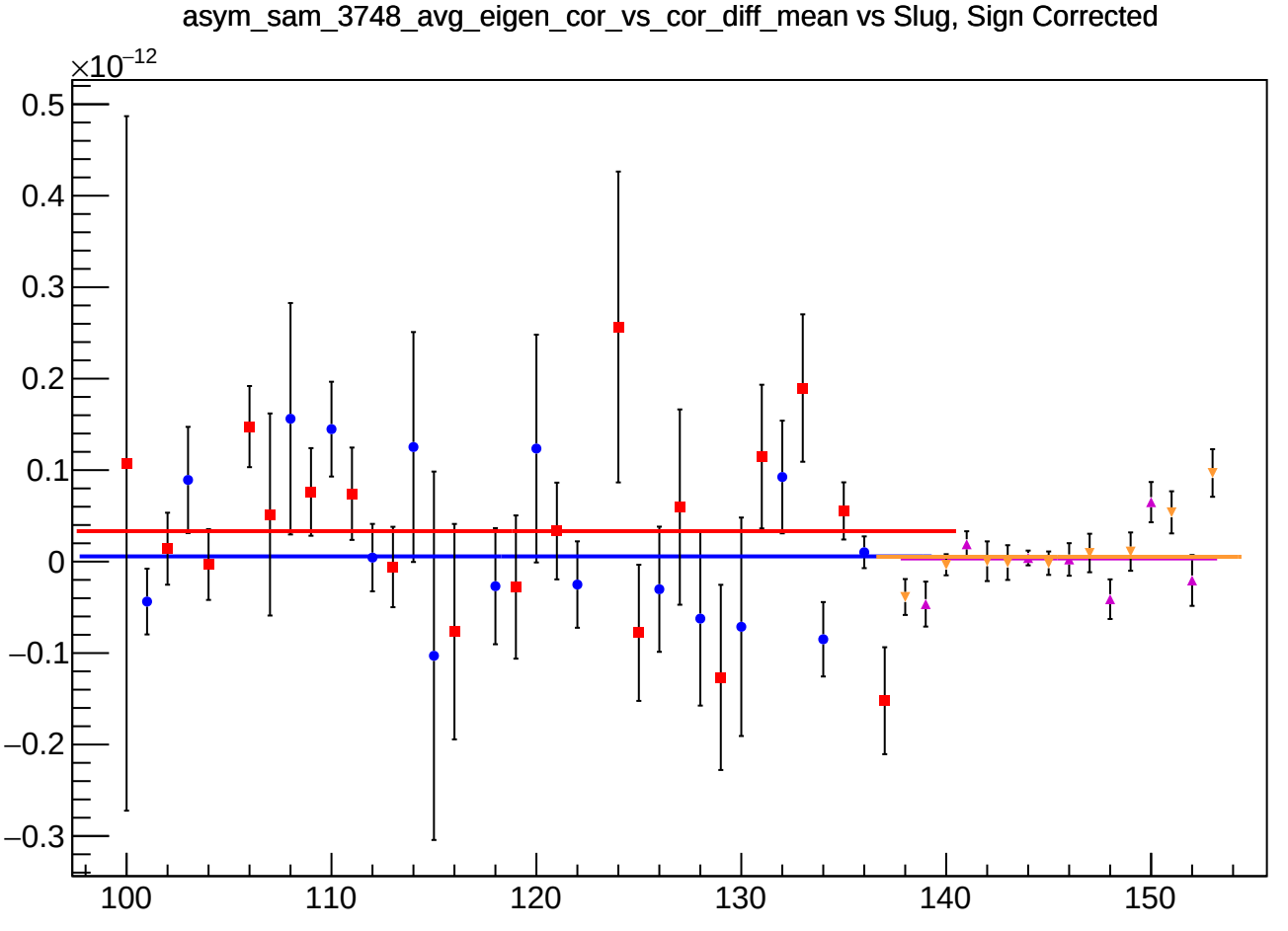
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

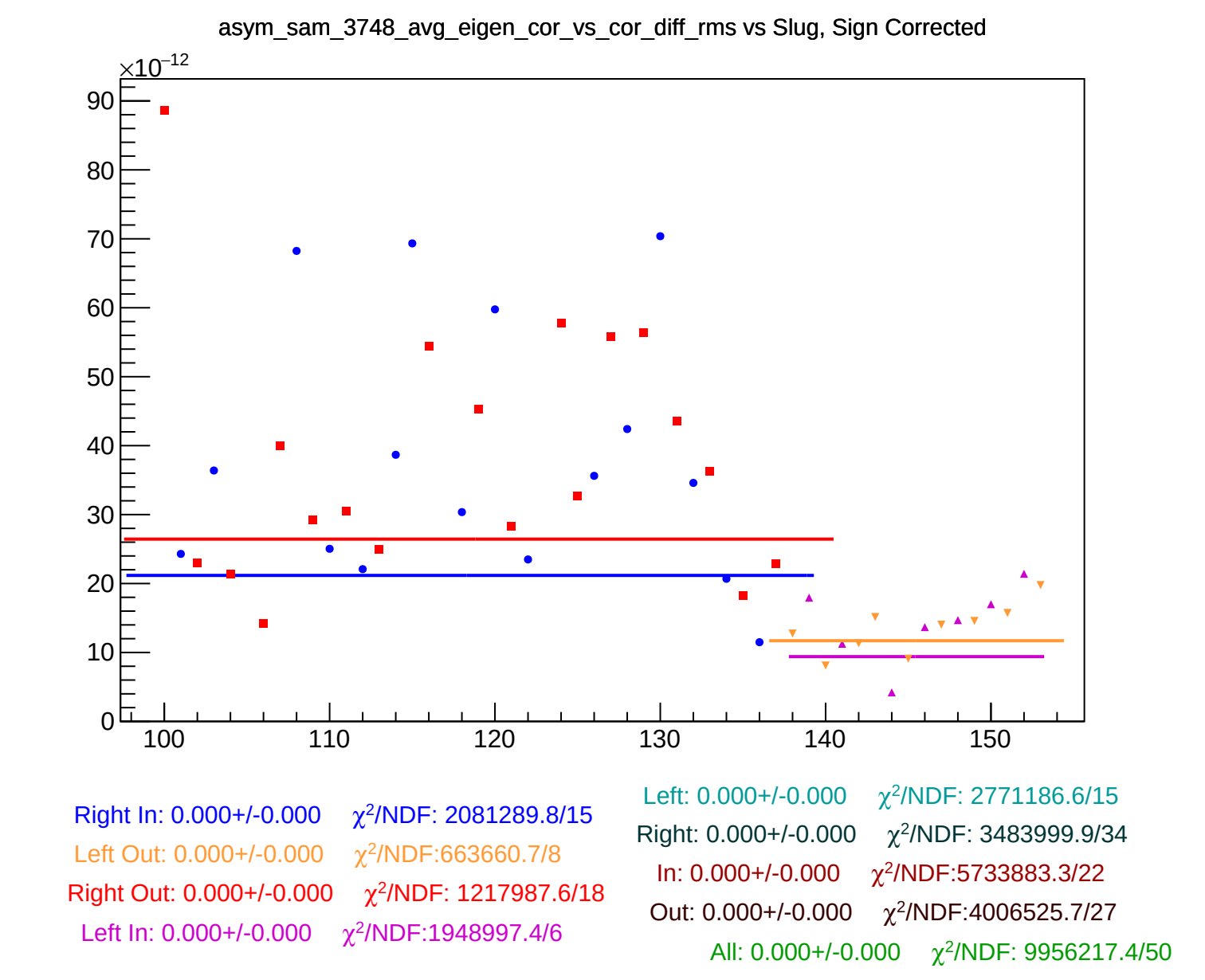
In: 0.031+/-0.012 χ^2/NDF:25.8/22

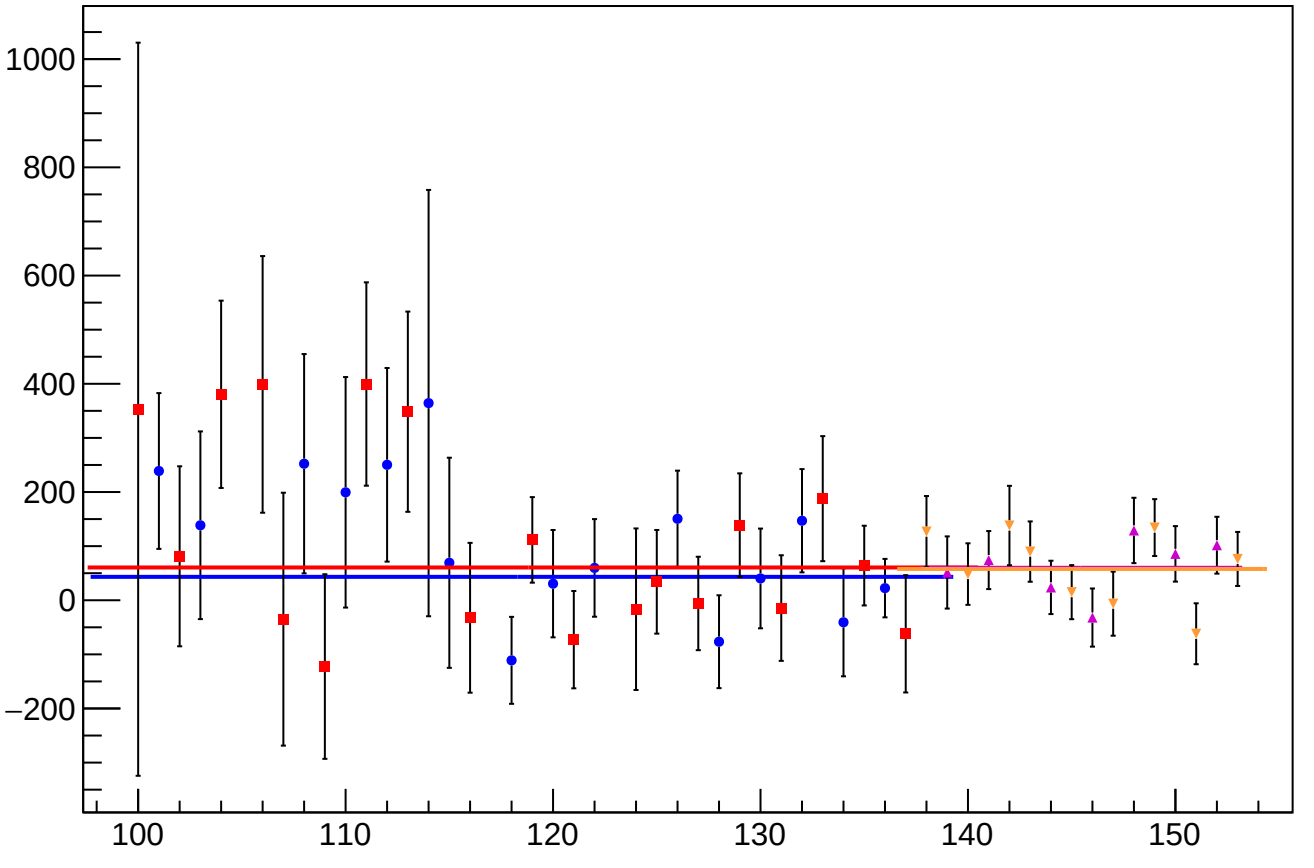
Out: -0.008+/-0.011 χ^2/NDF:32.2/27

All: 0.011+/-0.008 χ^2/NDF: 64.1/50


asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
100
90
80
70
60
50
40
30
20
100
110
120
130
140
150
Right In: 34.469+/-0.010 χ²/NDF: 1171158.4/15
Left Out: 54.773+/-0.015 χ²/NDF:275846.4/8
Right Out: 32.285+/-0.009 χ²/NDF: 1672606.5/18
Left In: 49.829+/-0.015 χ²/NDF:270325.6/6
Left: 52.245+/-0.011 χ²/NDF: 600301.0/15
Right: 33.315+/-0.007 χ²/NDF: 2869868.2/34
In: 39.142+/-0.008 χ²/NDF:2185487.7/22
Out: 38.395+/-0.008 χ²/NDF:3544138.0/27
All: 38.756+/-0.006 χ²/NDF: 5733914.0/50


asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 23.6/15
Left Out: 0.000+/-0.000 χ²/NDF:23.0/8
Right Out: 0.000+/-0.000 χ²/NDF: 33.5/18
Left In: 0.000+/-0.000 χ²/NDF:18.1/6
Left: 0.000+/-0.000 χ²/NDF: 41.2/15
Right: 0.000+/-0.000 χ²/NDF: 59.6/34
In: 0.000+/-0.000 χ²/NDF:41.7/22
Out: 0.000+/-0.000 χ²/NDF:60.4/27
All: 0.000+/-0.000 χ²/NDF: 102.8/50


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
Right In: 0.000+/-0.000 χ²/NDF: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:663660.7/8
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:1948997.4/6
Left: 0.000+/-0.000 χ²/NDF: 2771186.6/15
Right: 0.000+/-0.000 χ²/NDF: 3483999.9/34
In: 0.000+/-0.000 χ²/NDF:5733883.3/22
Out: 0.000+/-0.000 χ²/NDF:4006525.7/27
All: 0.000+/-0.000 χ²/NDF: 9956217.4/50



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 57.873+/-18.857 χ^2/NDF:11.3/8

Right Out: 60.582+/-26.894 χ^2/NDF: 20.4/18

Left In: 60.005+/-20.640 χ^2/NDF:5.7/6

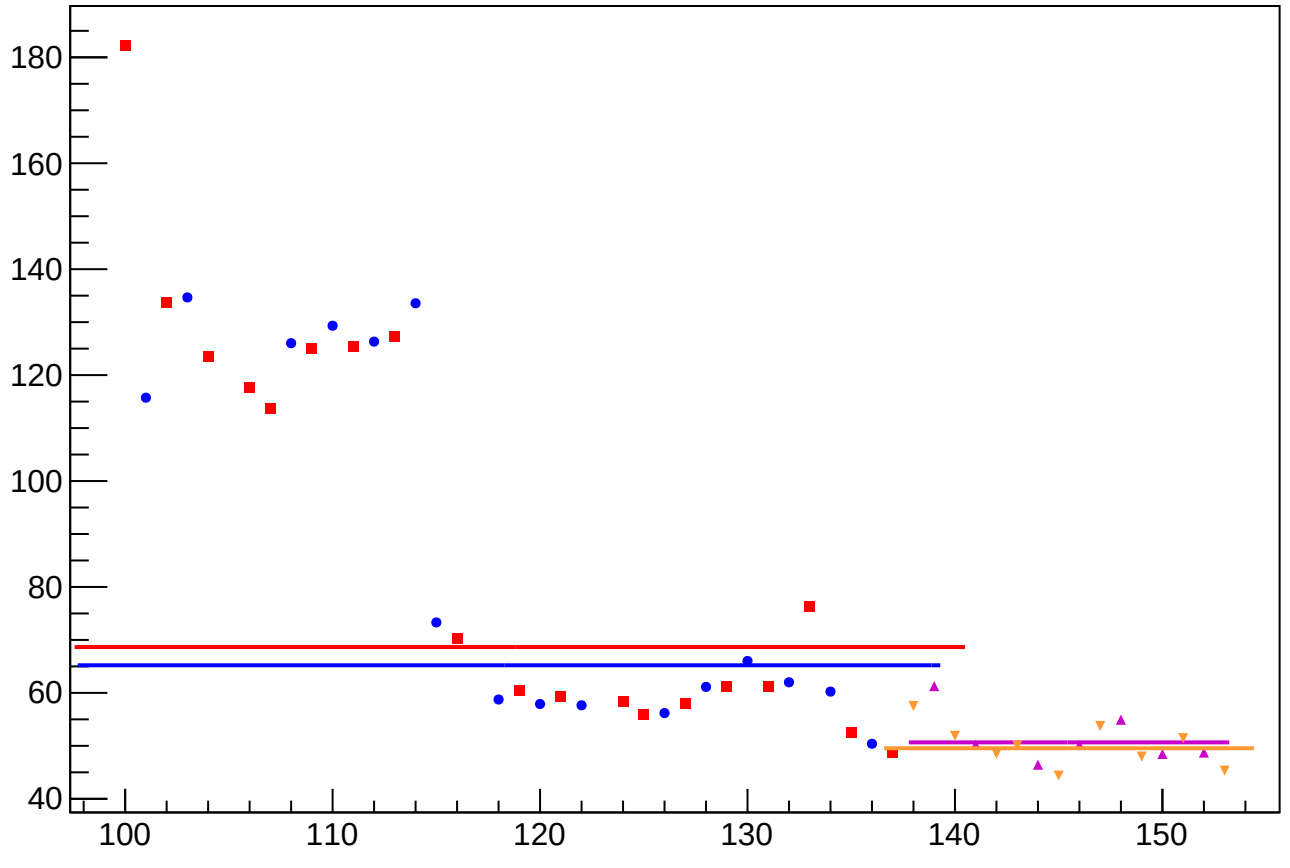
Left: 58.843+/-13.922 χ^2/NDF: 17.1/15

Right: 51.548+/-18.611 χ^2/NDF: 35.6/34

In: 53.459+/-16.112 χ^2/NDF:21.0/22

Out: 58.766+/-15.440 χ^2/NDF:31.8/27

All: 56.225+/-11.148 χ^2/NDF: 52.8/50



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 49.548+/-0.013 χ^2/NDF:83362.1/8

Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 50.654+/-0.015 χ^2/NDF:81925.1/6

Left: 50.051+/-0.010 χ^2/NDF: 168417.0/15

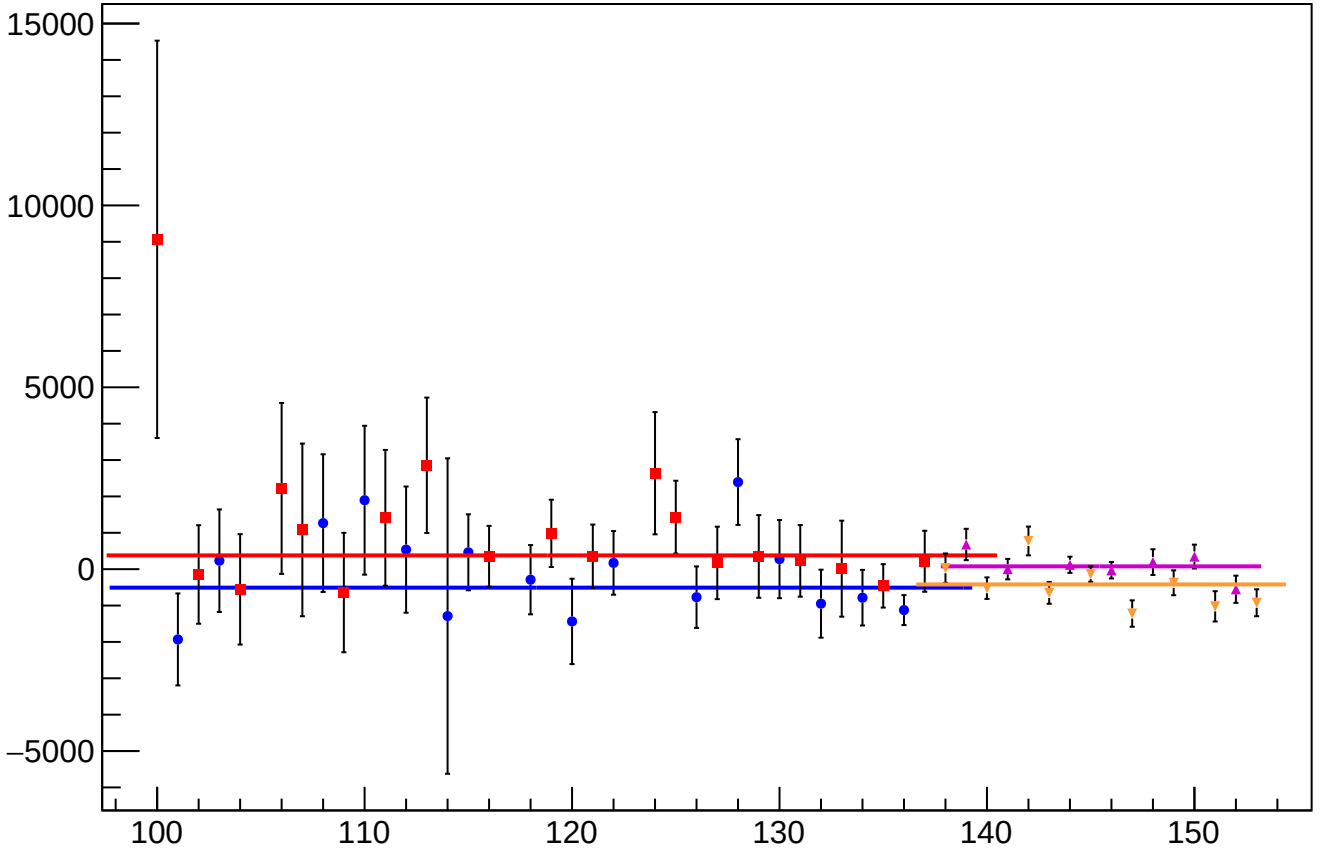
Right: 66.862+/-0.013 χ^2/NDF: 3104495.7/34

In: 56.341+/-0.011 χ^2/NDF:1917097.4/22

Out: 55.846+/-0.011 χ^2/NDF:2401128.9/27

All: 56.083+/-0.008 χ^2/NDF: 4319209.6/50

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: -419.012+/-107.602 χ^2/NDF:21.7/8

Right Out: 378.892+/-256.407 χ^2/NDF: 11.7/18

Left In: 77.325+/-110.316 χ^2/NDF:5.9/6

Left: -177.025+/-77.028 χ^2/NDF: 38.0/15

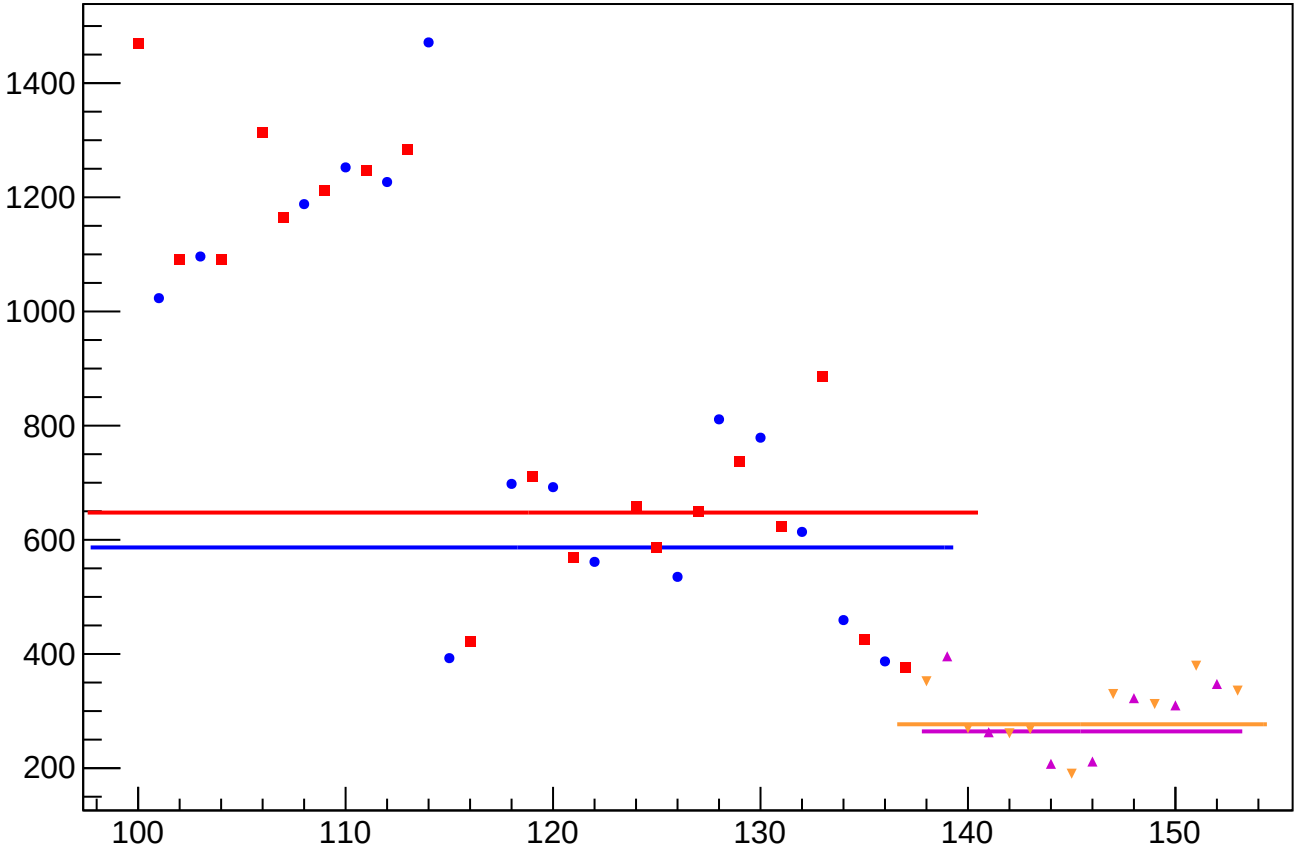
Right: -99.449+/-174.019 χ^2/NDF: 33.8/34

In: -26.936+/-100.008 χ^2/NDF:26.5/22

Out: -299.536+/-99.219 χ^2/NDF:41.7/27

All: -164.316+/-70.436 χ^2/NDF: 71.9/50

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: 276.880+/-0.076 χ^2/NDF:641933.8/8

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

Left In: 264.415+/-0.078 χ^2/NDF:616658.7/6

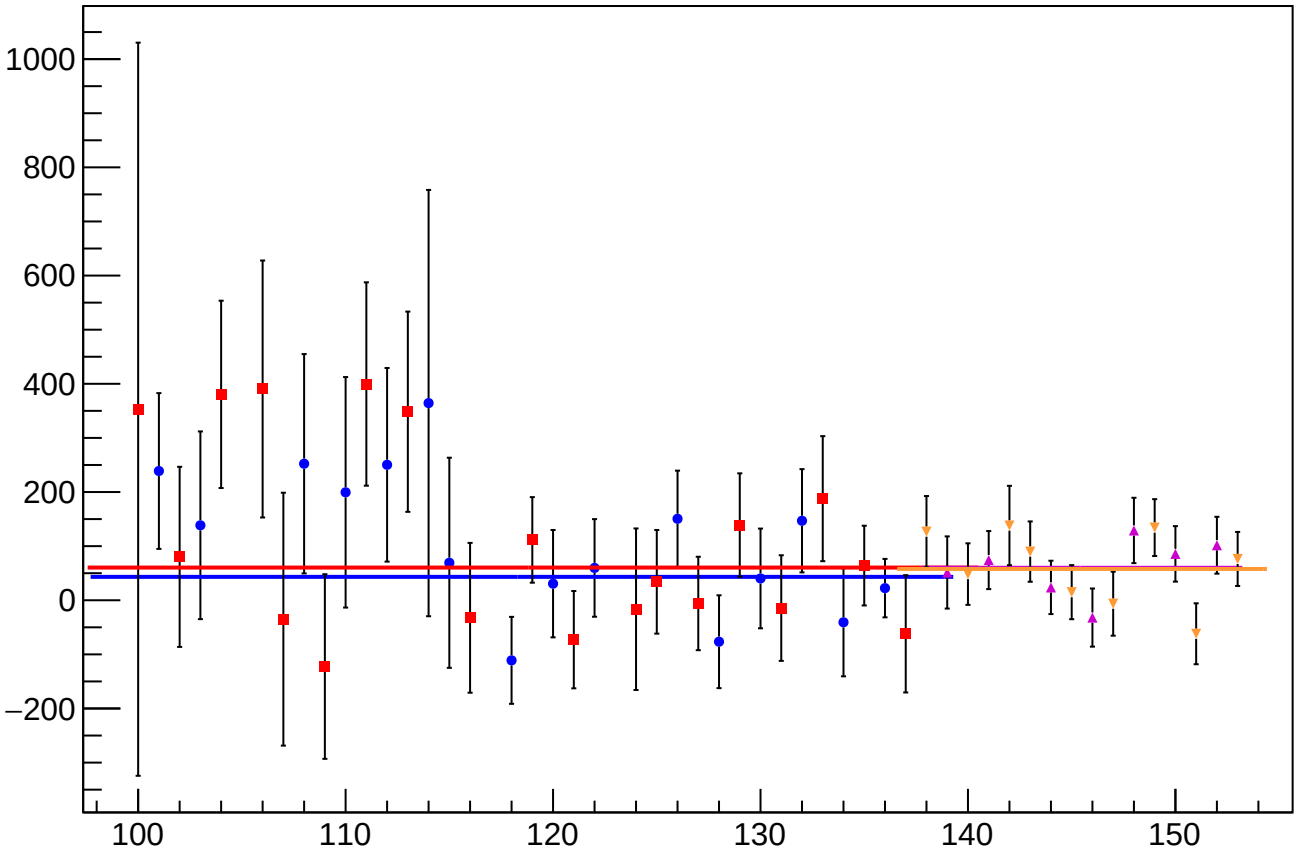
Left: 270.803+/-0.054 χ^2/NDF: 1271677.2/15

Right: 614.784+/-0.123 χ^2/NDF: 4220010.2/34

In: 321.819+/-0.071 χ^2/NDF:5709714.3/22

Out: 332.411+/-0.070 χ^2/NDF:6304985.8/27

All: 327.157+/-0.050 χ^2/NDF: 12026004.9/50



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 57.878+/-18.857 χ^2/NDF:11.3/8

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 60.004+/-20.640 χ^2/NDF:5.7/6

Left: 58.845+/-13.922 χ^2/NDF: 17.1/15

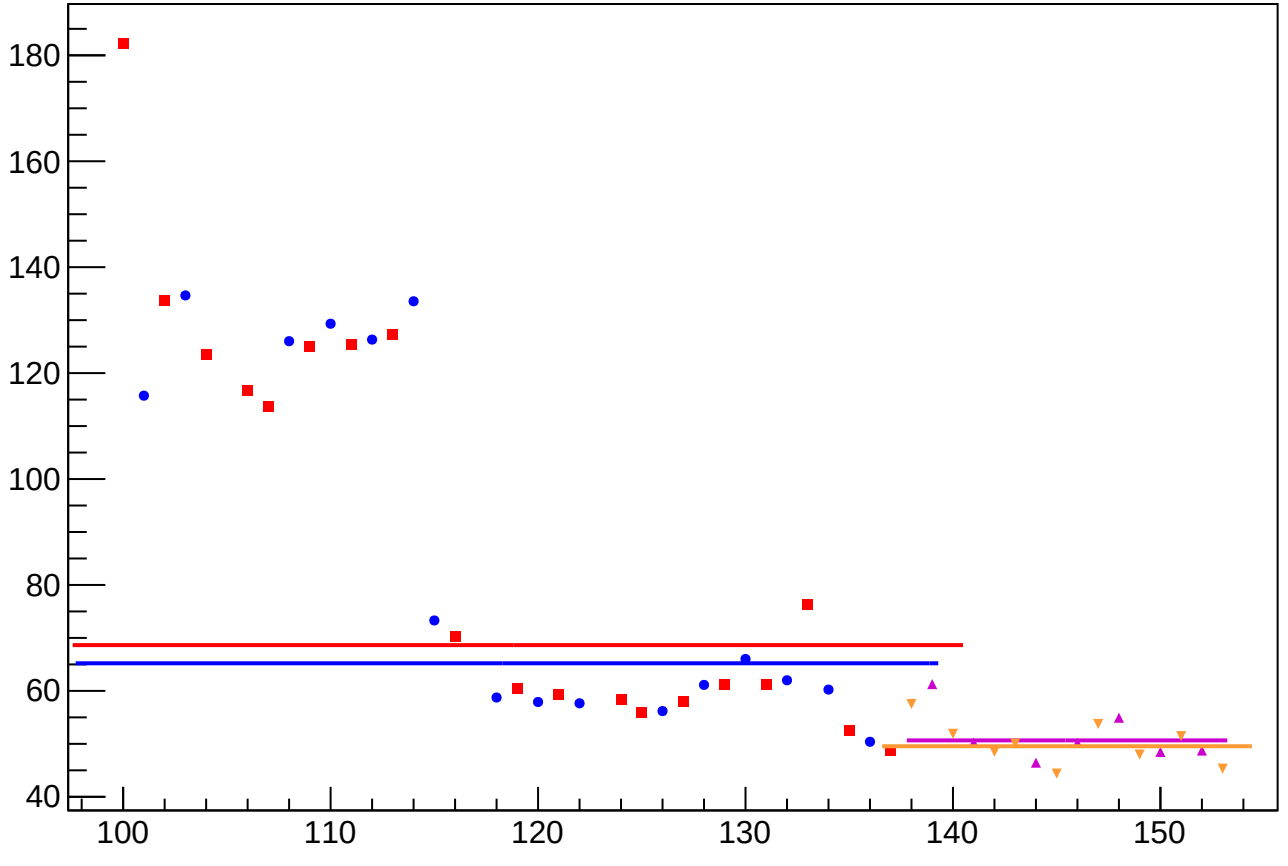
Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 53.456+/-16.112 χ^2/NDF:21.0/22

Out: 58.719+/-15.440 χ^2/NDF:31.7/27

All: 56.200+/-11.148 χ^2/NDF: 52.7/50

cor_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 49.548+/-0.013 χ^2/NDF:83362.1/8

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 50.654+/-0.015 χ^2/NDF:81925.1/6

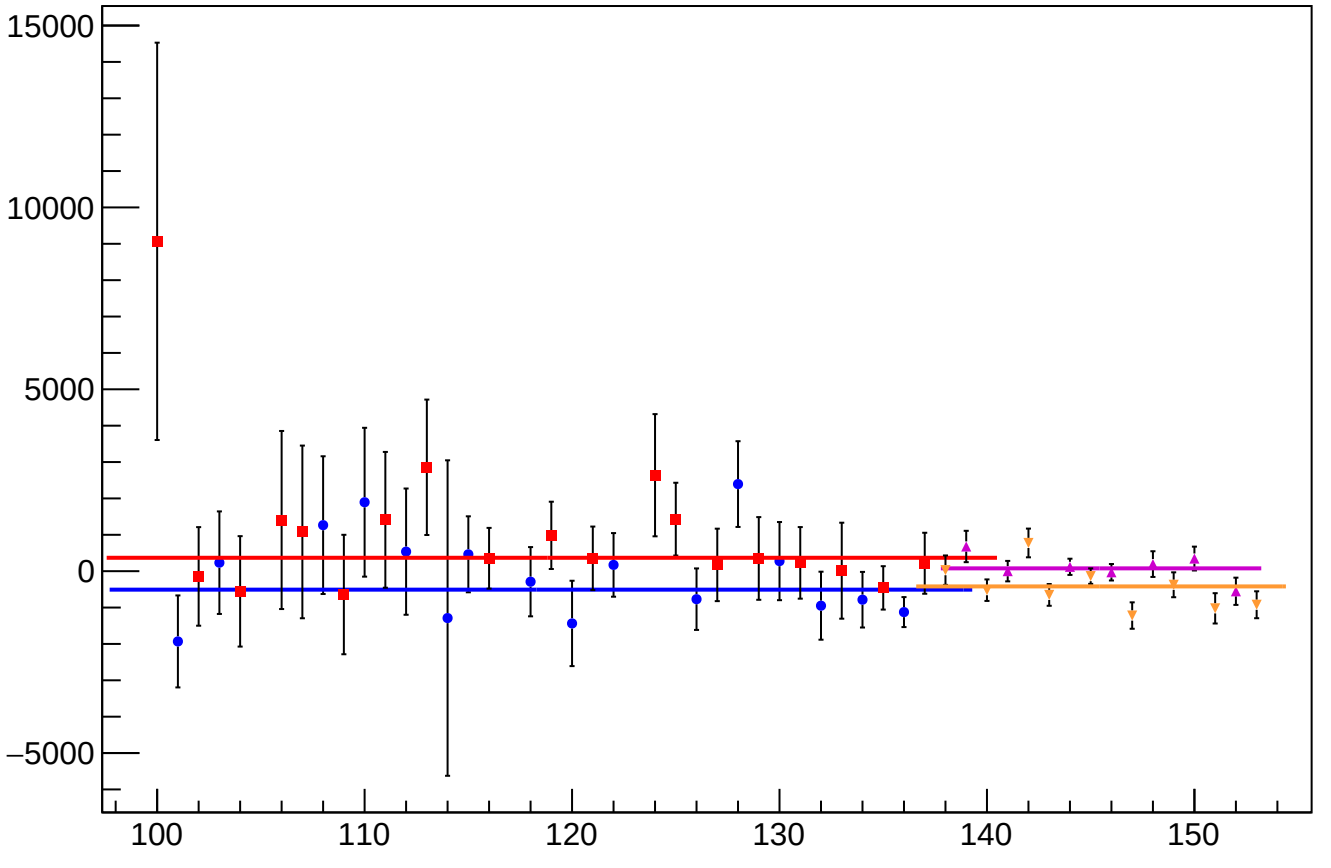
Left: 50.051+/-0.010 χ^2/NDF: 168417.0/15

Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 56.341+/-0.011 χ^2/NDF:1917099.6/22

Out: 55.841+/-0.011 χ^2/NDF:2396739.4/27

All: 56.080+/-0.008 χ^2/NDF: 4314842.3/50



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -419.007+/-107.602 χ^2/NDF:21.7/8

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 77.325+/-110.316 χ^2/NDF:5.9/6

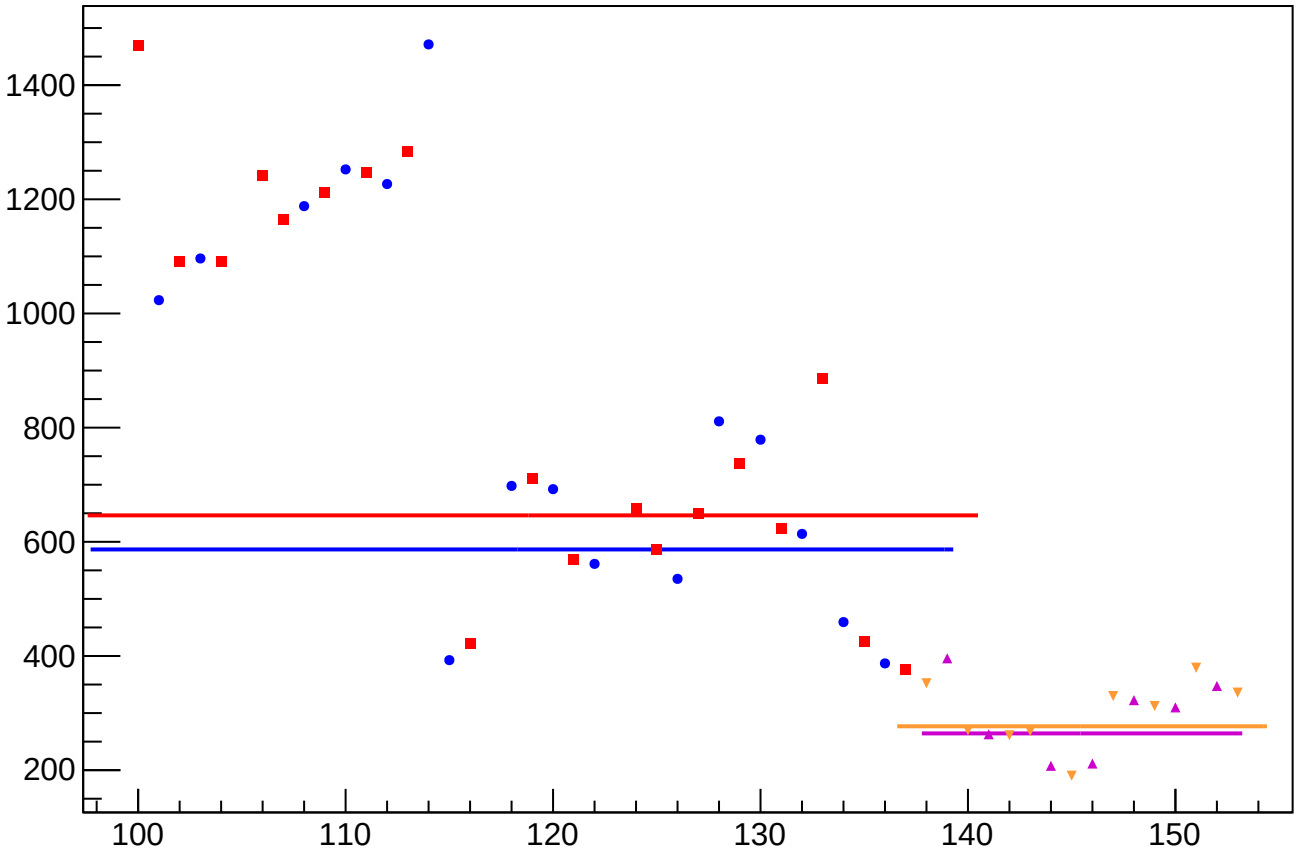
Left: -177.023+/-77.028 χ^2/NDF: 38.0/15

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -26.933+/-100.008 χ^2/NDF:26.5/22

Out: -301.212+/-99.226 χ^2/NDF:41.0/27

All: -165.149+/-70.439 χ^2/NDF: 71.3/50



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 276.879+/-0.076 χ^2/NDF:641937.0/8

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 264.415+/-0.078 χ^2/NDF:616655.9/6

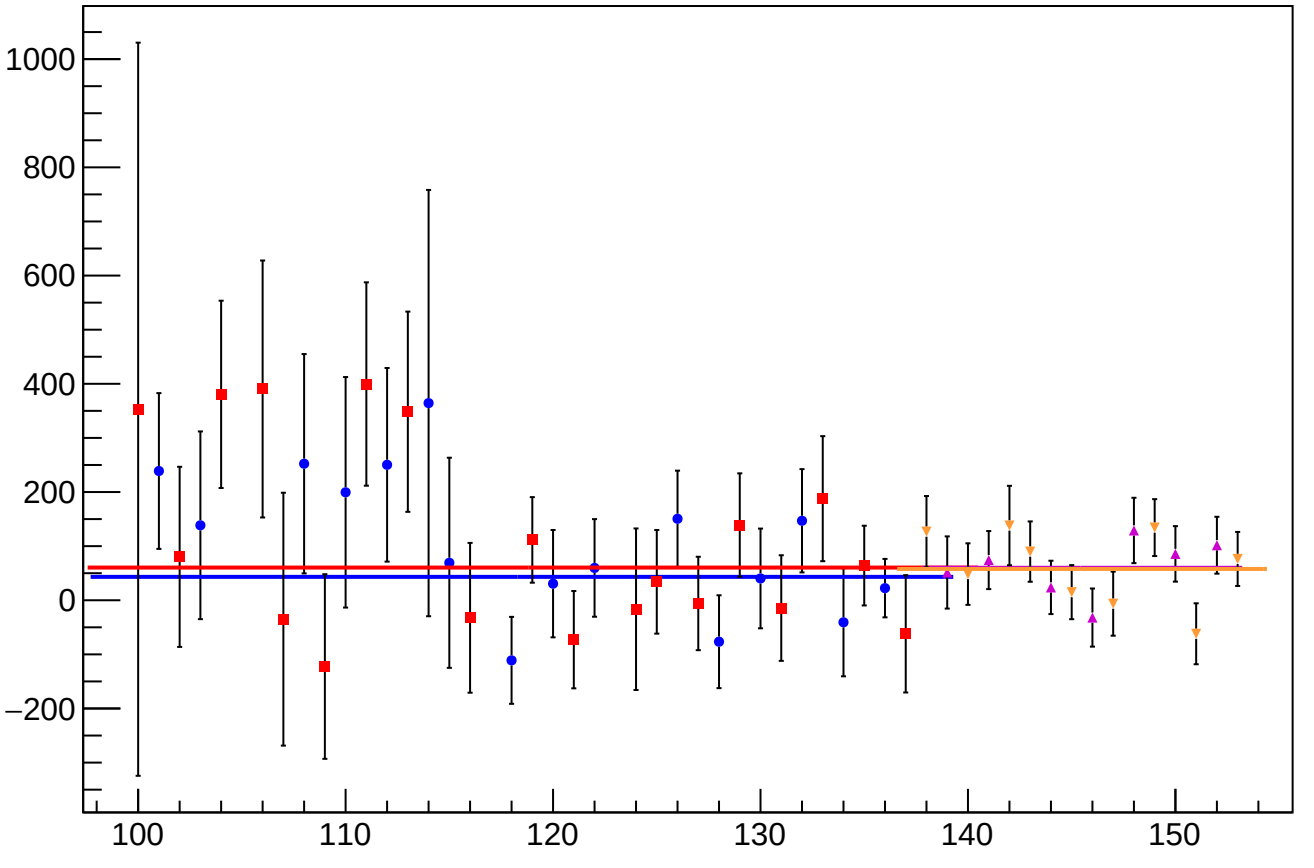
Left: 270.802+/-0.054 χ^2/NDF: 1271676.9/15

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 321.819+/-0.071 χ^2/NDF:5709732.3/22

Out: 332.153+/-0.070 χ^2/NDF:6232609.3/27

All: 327.027+/-0.050 χ^2/NDF: 11953102.3/50



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 57.878+/-18.857 χ^2/NDF:11.3/8

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 60.004+/-20.640 χ^2/NDF:5.7/6

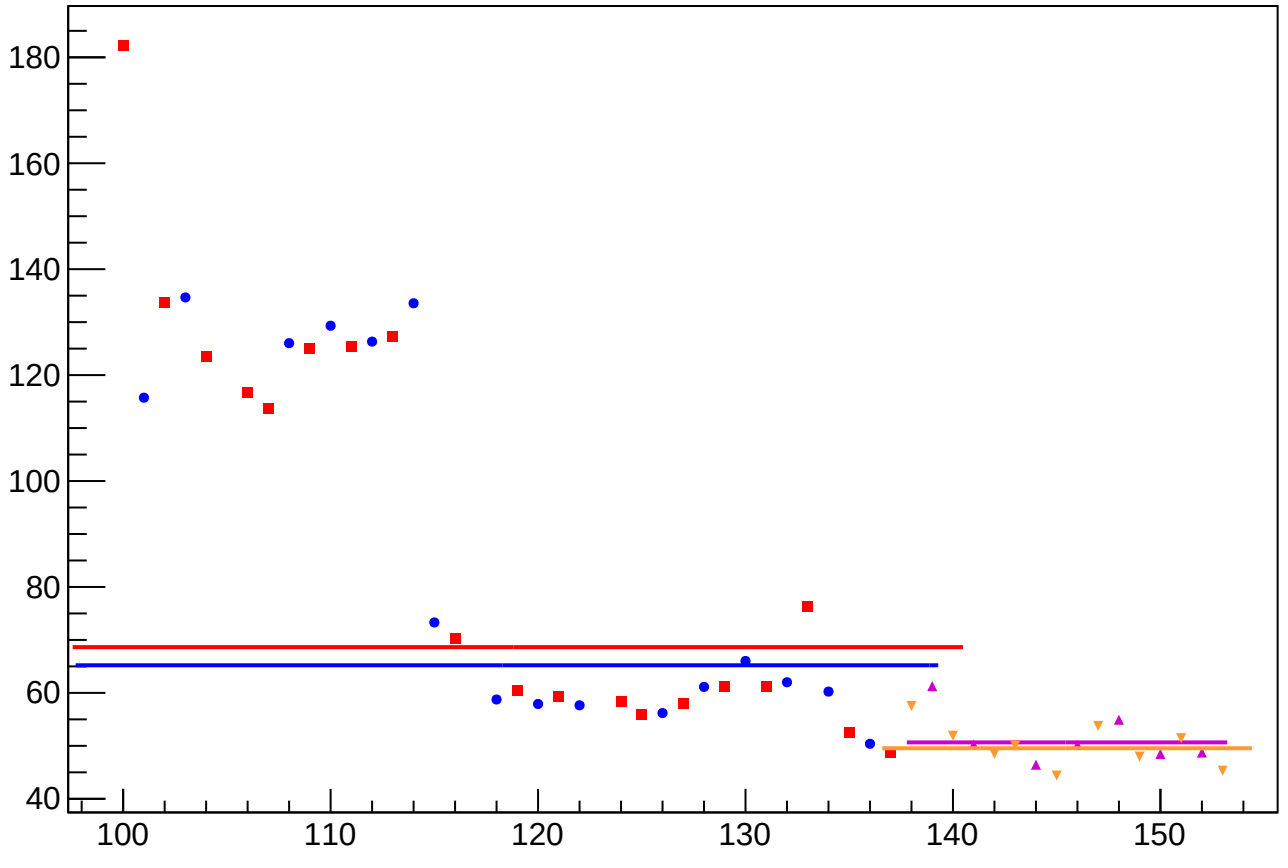
Left: 58.845+/-13.922 χ^2/NDF: 17.1/15

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 53.456+/-16.112 χ^2/NDF:21.0/22

Out: 58.719+/-15.440 χ^2/NDF:31.7/27

All: 56.200+/-11.148 χ^2/NDF: 52.7/50



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 49.548+/-0.013 χ^2/NDF:83362.1/8

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 50.654+/-0.015 χ^2/NDF:81925.1/6

Left: 50.051+/-0.010 χ^2/NDF: 168417.0/15

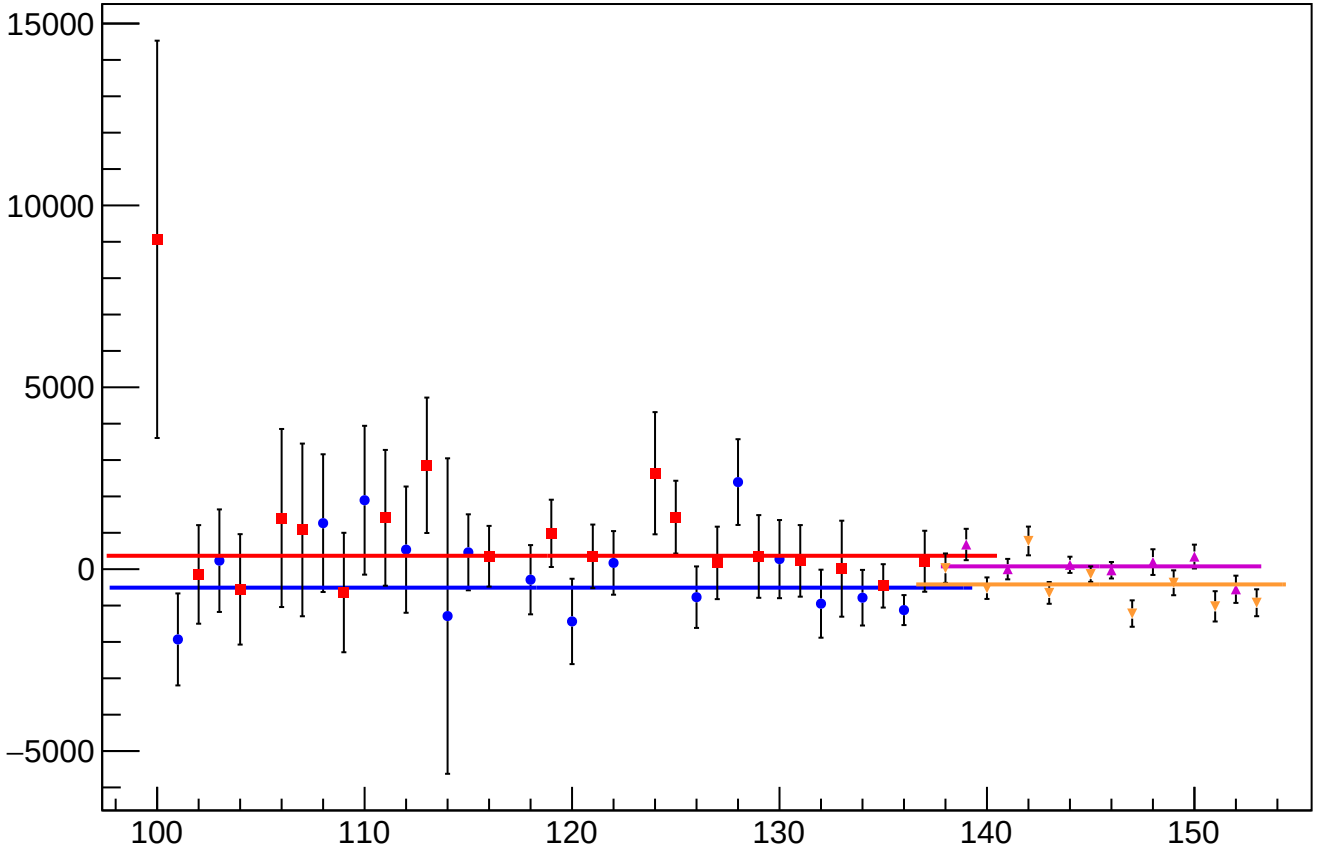
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 56.341+/-0.011 χ^2/NDF:1917099.6/22

Out: 55.841+/-0.011 χ^2/NDF:2396739.4/27

All: 56.080+/-0.008 χ^2/NDF: 4314842.3/50

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: -419.007+/-107.602 χ^2/NDF:21.7/8

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 77.325+/-110.316 χ^2/NDF:5.9/6

Left: -177.023+/-77.028 χ^2/NDF: 38.0/15

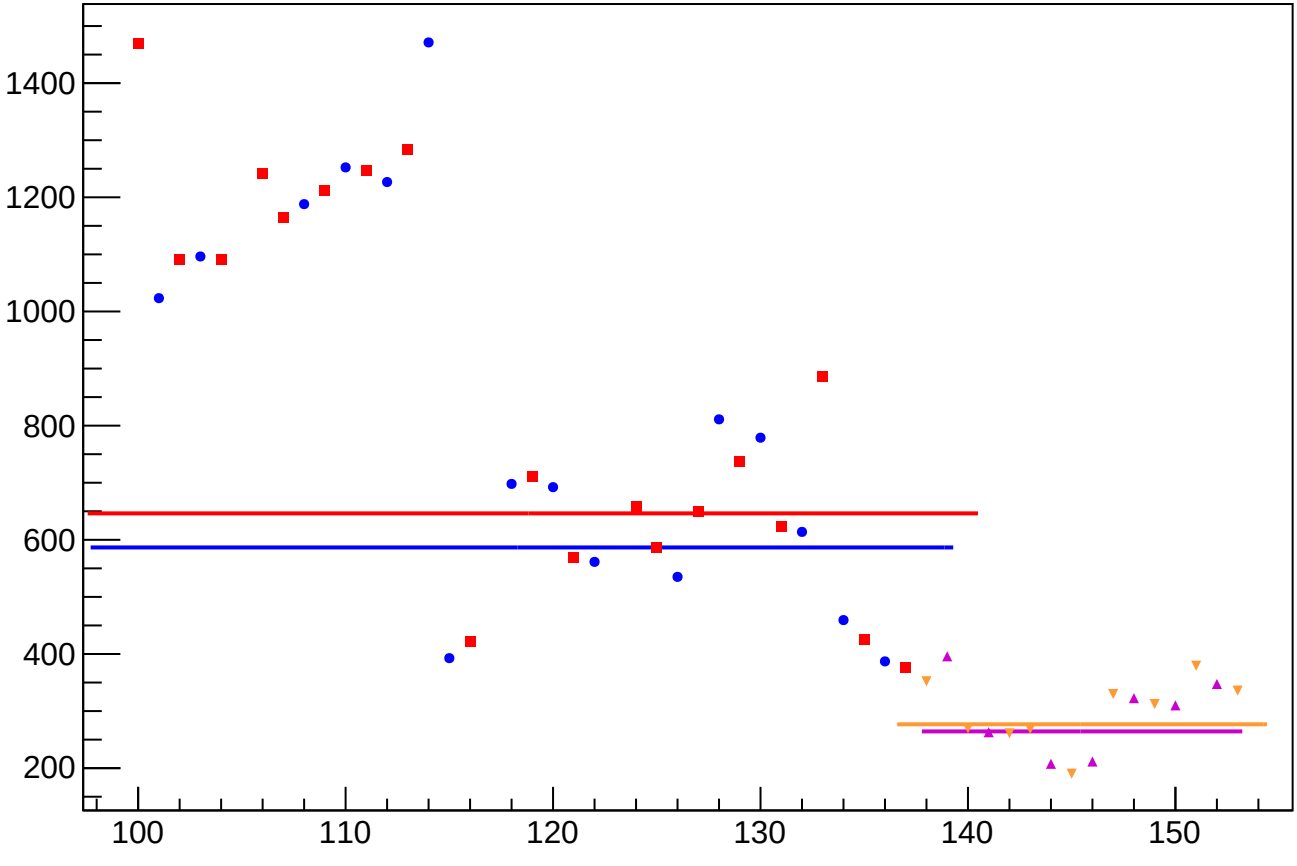
Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -26.933+/-100.008 χ^2/NDF:26.5/22

Out: -301.212+/-99.226 χ^2/NDF:41.0/27

All: -165.149+/-70.439 χ^2/NDF: 71.3/50

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: 276.879+/-0.076 χ^2/NDF:641937.0/8

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 264.415+/-0.078 χ^2/NDF:616655.9/6

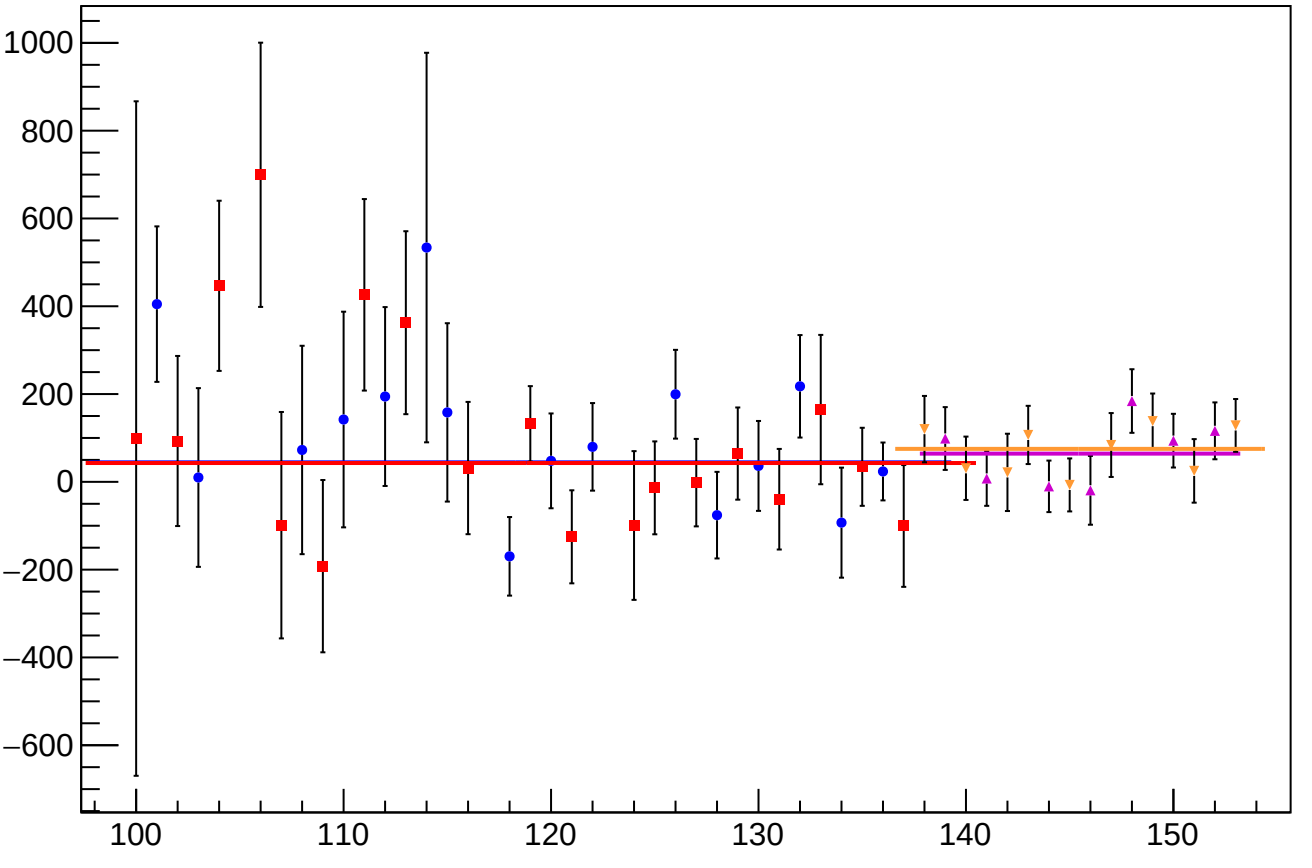
Left: 270.802+/-0.054 χ^2/NDF: 1271676.9/15

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 321.819+/-0.071 χ^2/NDF:5709732.3/22

Out: 332.153+/-0.070 χ^2/NDF:6232609.3/27

All: 327.027+/-0.050 χ^2/NDF: 11953102.3/50



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 75.134+/-22.898 χ^2/NDF:5.5/8

Right Out: 42.901+/-31.248 χ^2/NDF: 23.3/18

Left In: 64.295+/-24.982 χ^2/NDF:7.4/6

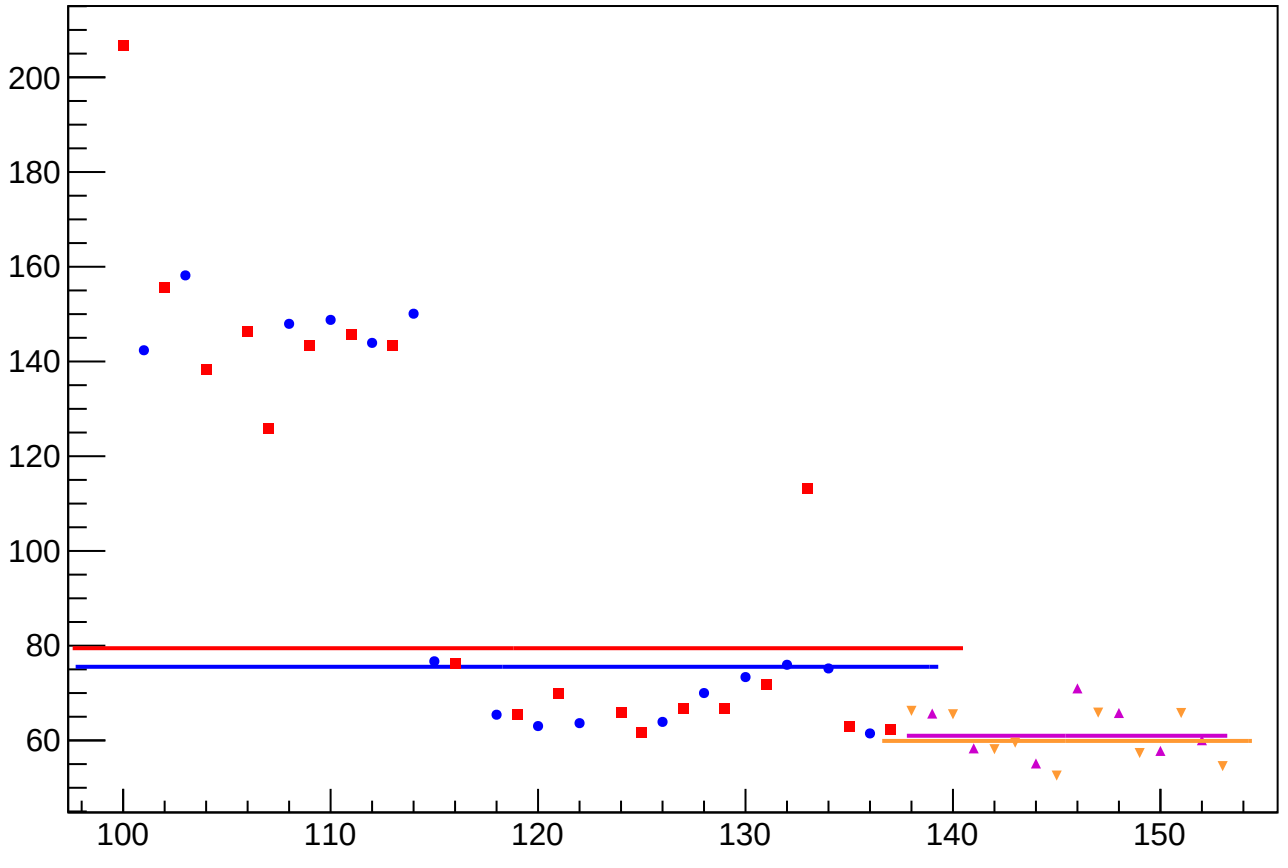
Left: 70.186+/-16.880 χ^2/NDF: 13.0/15

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 56.114+/-19.173 χ^2/NDF:27.3/22

Out: 63.873+/-18.470 χ^2/NDF:29.5/27

All: 60.138+/-13.302 χ^2/NDF: 56.8/50



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 59.893+/-0.016 χ^2/NDF:102265.0/8

Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

Left In: 60.983+/-0.018 χ^2/NDF:79331.8/6

Left: 60.391+/-0.012 χ^2/NDF: 183665.4/15

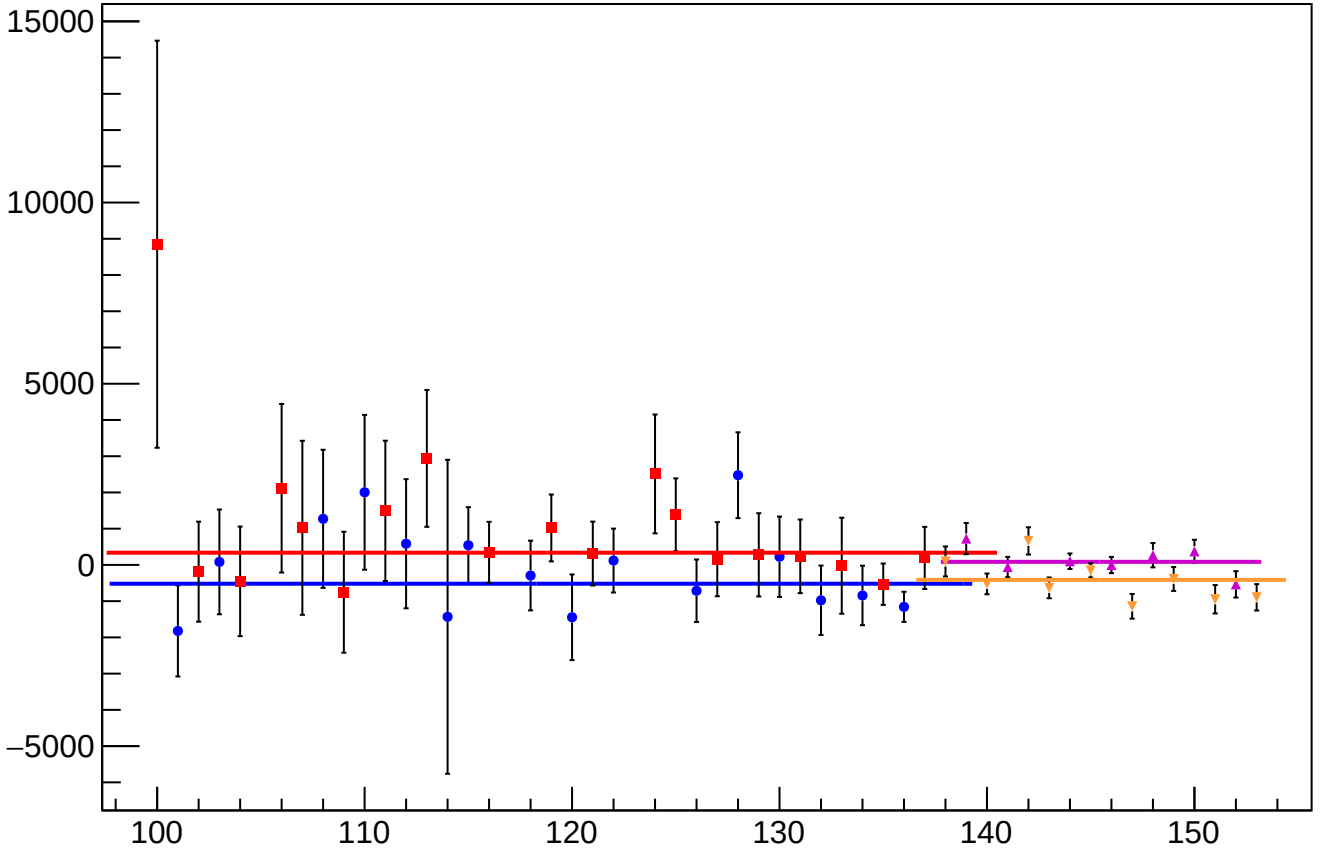
Right: 77.419+/-0.015 χ^2/NDF: 3165620.3/34

In: 66.967+/-0.014 χ^2/NDF:1824124.3/22

Out: 66.731+/-0.013 χ^2/NDF:2296396.5/27

All: 66.845+/-0.009 χ^2/NDF: 4120678.1/50

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: -412.341+/-102.505 χ^2/NDF:20.4/8

Right Out: 336.731+/-256.618 χ^2/NDF: 11.9/18

Left In: 84.876+/-107.629 χ^2/NDF:6.7/6

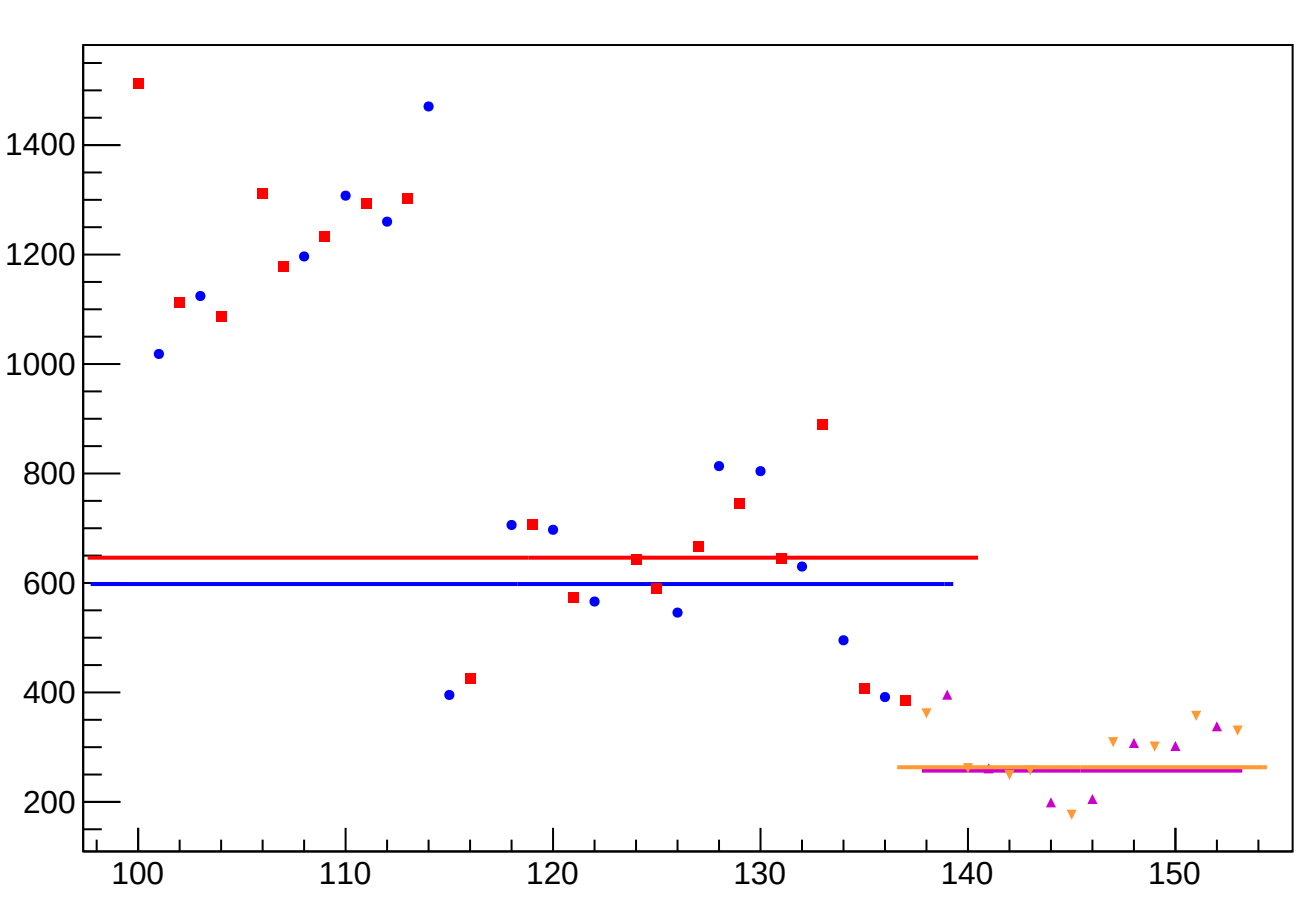
Left: -175.850+/-74.227 χ^2/NDF: 38.2/15

Right: -117.538+/-175.797 χ^2/NDF: 33.6/34

In: -15.359+/-98.296 χ^2/NDF:27.7/22

Out: -309.268+/-95.191 χ^2/NDF:39.7/27

All: -167.027+/-68.382 χ^2/NDF: 72.0/50



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 263.317+/-0.072 χ^2/NDF:752758.6/8

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

Left In: 257.134+/-0.076 χ^2/NDF:646350.7/6

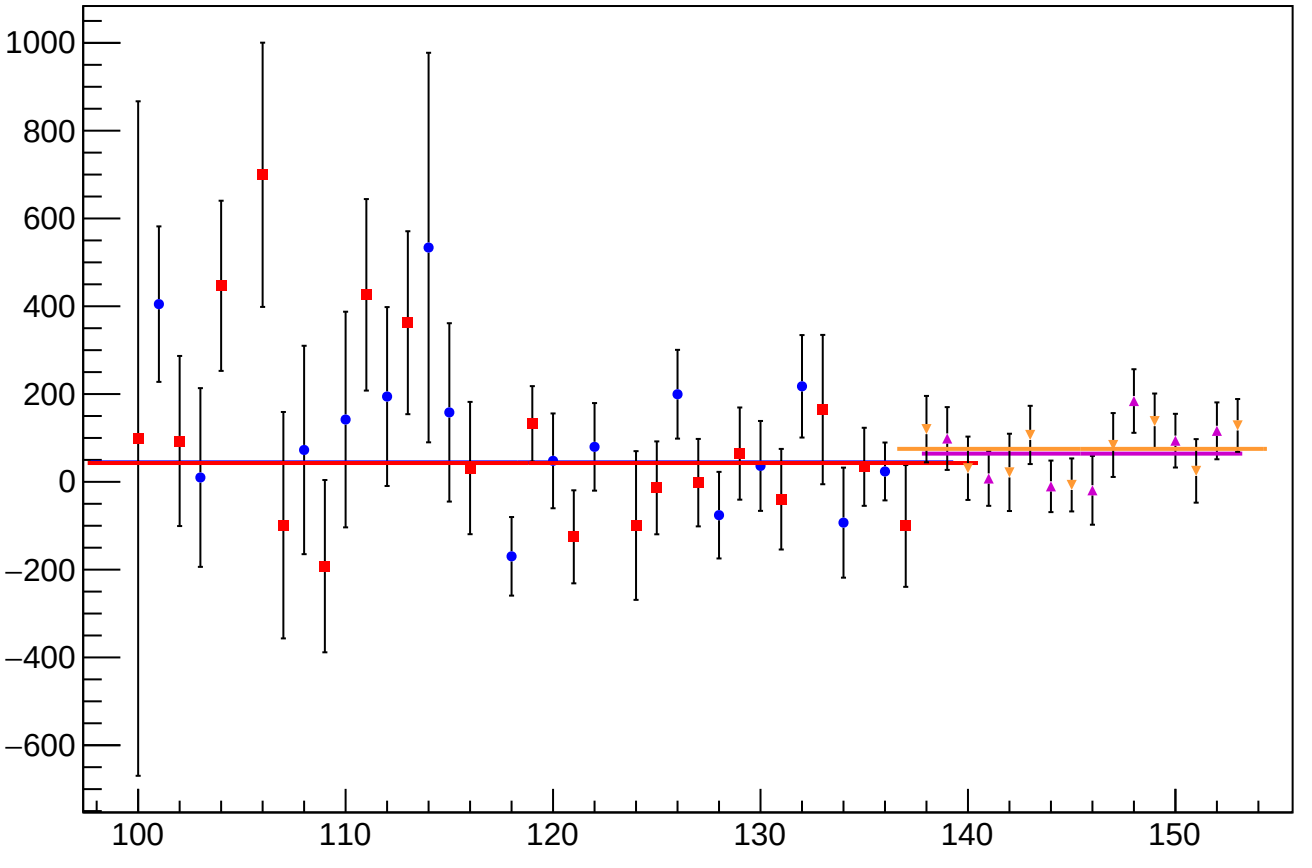
Left: 260.376+/-0.052 χ^2/NDF: 1402571.4/15

Right: 620.639+/-0.124 χ^2/NDF: 4290624.3/34

In: 313.697+/-0.070 χ^2/NDF:6023416.1/22

Out: 316.001+/-0.067 χ^2/NDF:6797684.3/27

All: 314.886+/-0.048 χ^2/NDF: 12821667.7/50



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 75.134+/-22.899 χ^2/NDF:5.5/8

Right Out: 42.900+/-31.248 χ^2/NDF: 23.3/18

Left In: 64.295+/-24.982 χ^2/NDF:7.4/6

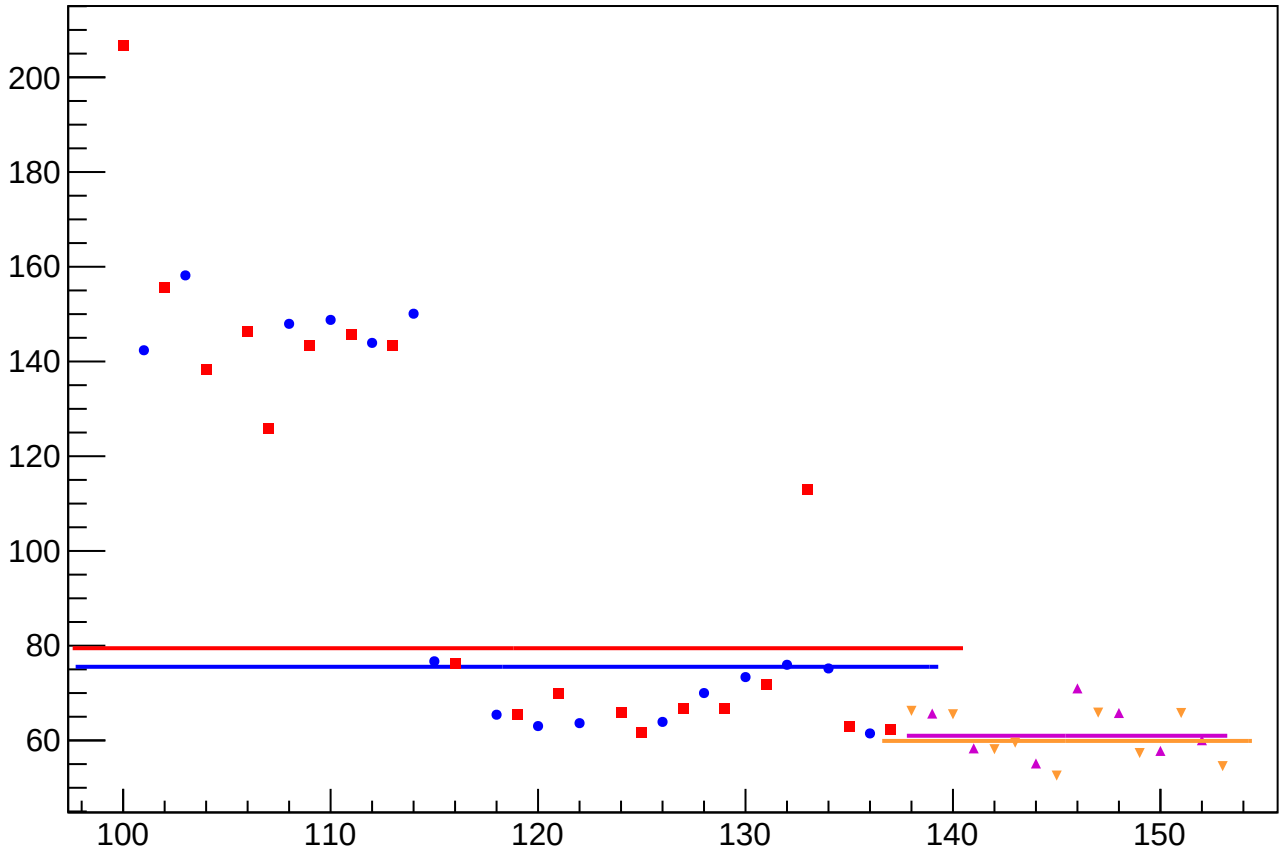
Left: 70.185+/-16.880 χ^2/NDF: 13.0/15

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 56.114+/-19.173 χ^2/NDF:27.3/22

Out: 63.872+/-18.470 χ^2/NDF:29.5/27

All: 60.138+/-13.302 χ^2/NDF: 56.8/50



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 59.893+/-0.016 χ^2/NDF:102263.5/8

Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 60.983+/-0.018 χ^2/NDF:79330.8/6

Left: 60.391+/-0.012 χ^2/NDF: 183663.0/15

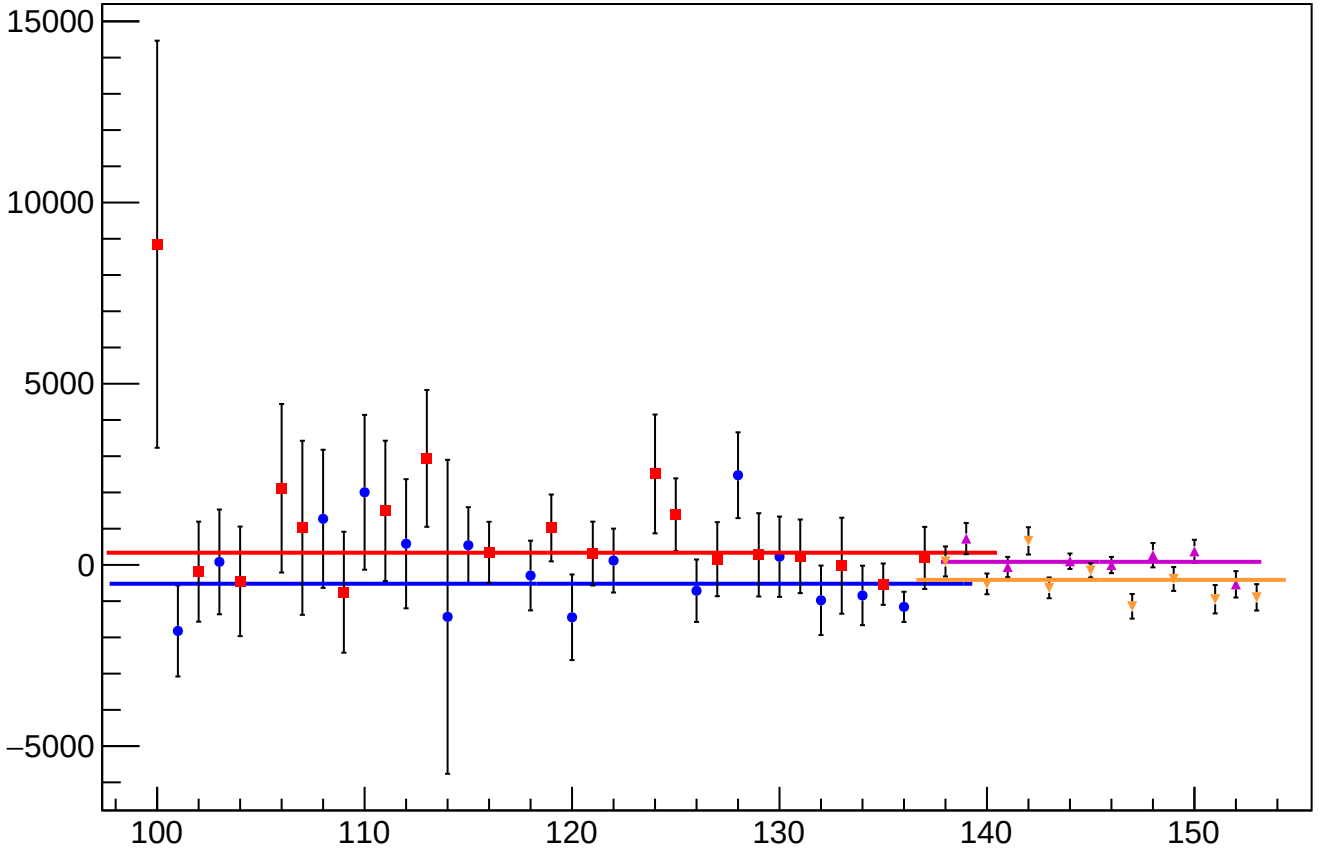
Right: 77.419+/-0.015 χ^2/NDF: 3165598.5/34

In: 66.967+/-0.014 χ^2/NDF:1824087.5/22

Out: 66.731+/-0.013 χ^2/NDF:2296363.3/27

All: 66.845+/-0.009 χ^2/NDF: 4120608.0/50

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: -412.342+/-102.504 χ^2/NDF:20.4/8

Right Out: 336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: 84.876+/-107.629 χ^2/NDF:6.7/6

Left: -175.851+/-74.227 χ^2/NDF: 38.2/15

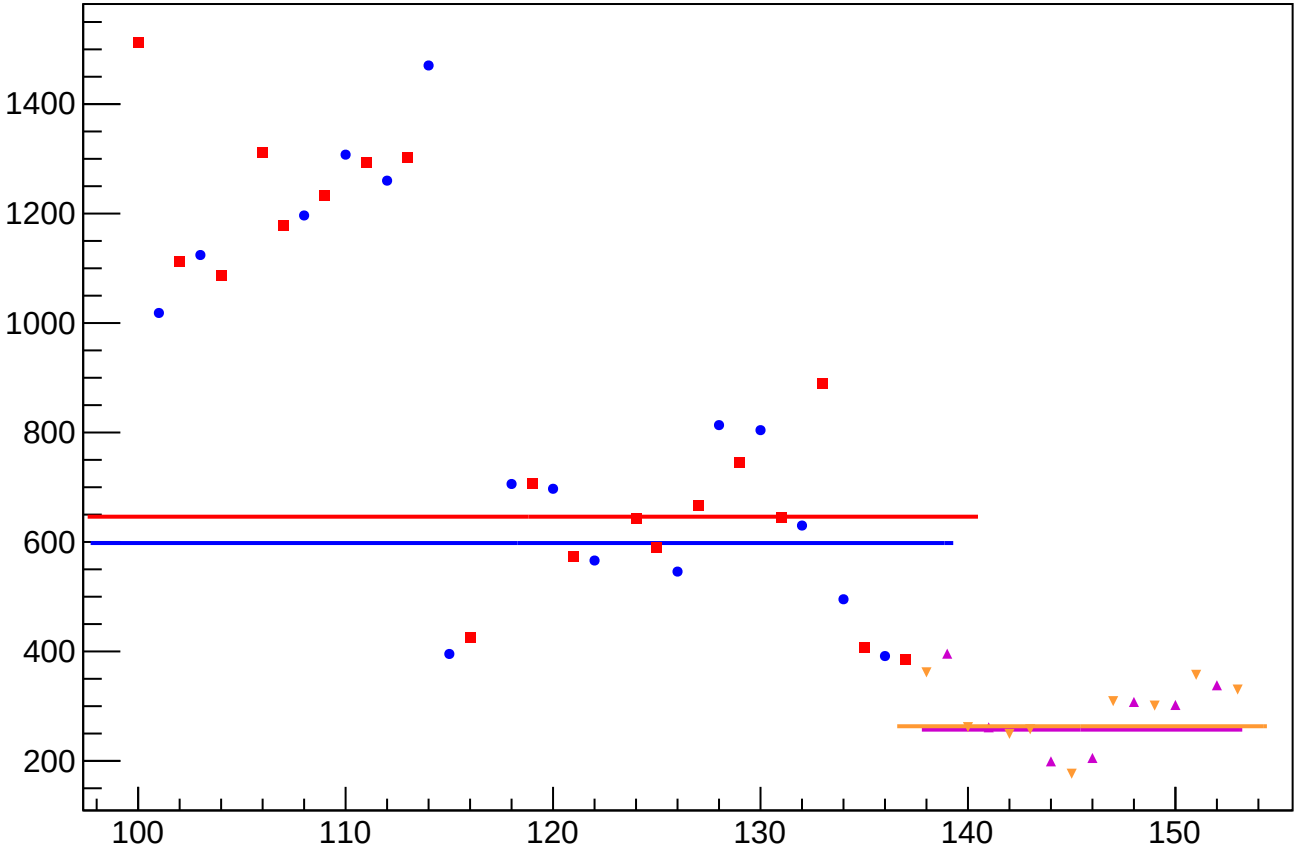
Right: -117.537+/-175.797 χ^2/NDF: 33.6/34

In: -15.359+/-98.295 χ^2/NDF:27.7/22

Out: -309.269+/-95.191 χ^2/NDF:39.7/27

All: -167.028+/-68.381 χ^2/NDF: 72.0/50

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: 263.317+/-0.072 χ^2/NDF:752762.3/8

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

Left In: 257.133+/-0.076 χ^2/NDF:646346.4/6

Left: 260.376+/-0.052 χ^2/NDF: 1402570.5/15

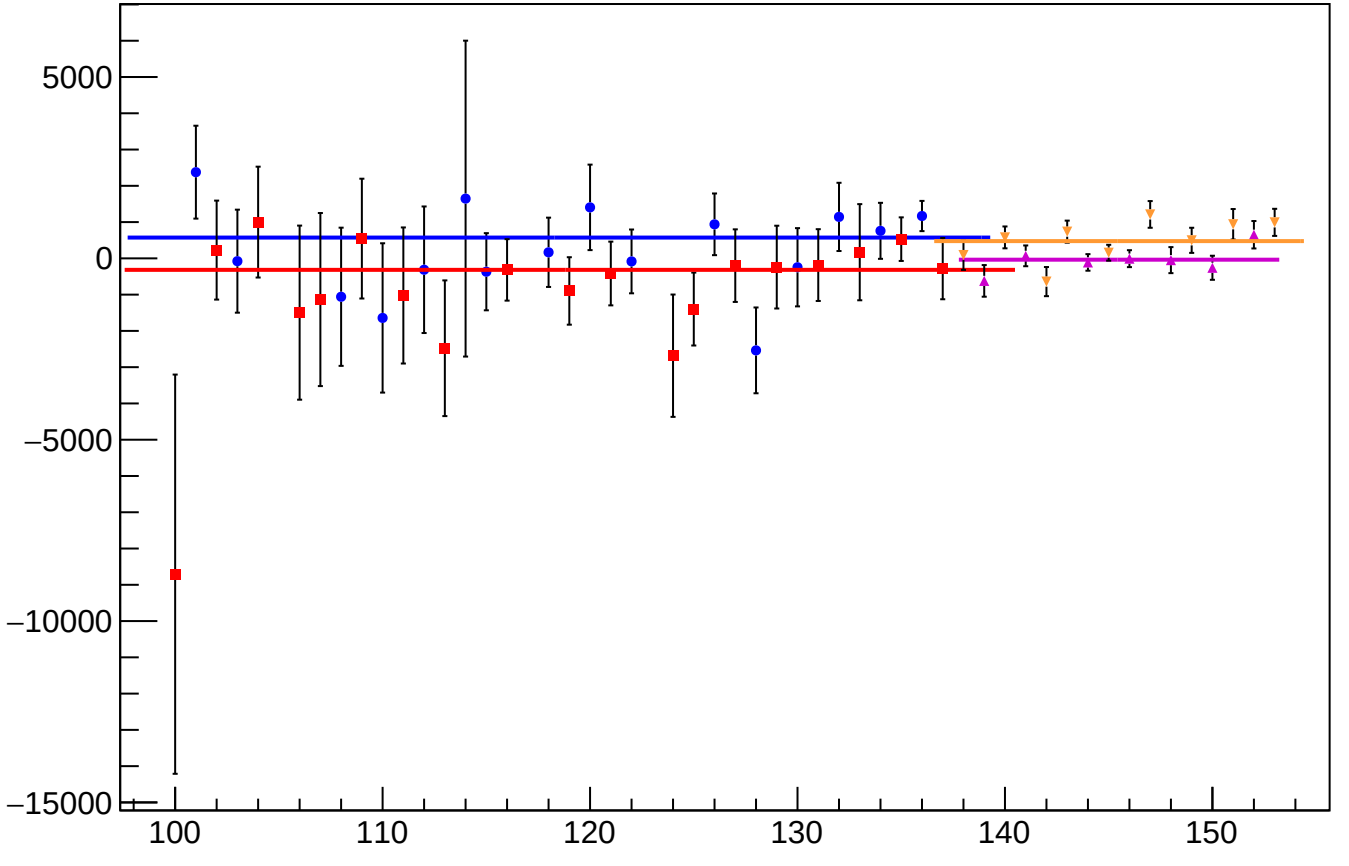
Right: 620.638+/-0.124 χ^2/NDF: 4290589.9/34

In: 313.696+/-0.070 χ^2/NDF:6023399.2/22

Out: 316.001+/-0.067 χ^2/NDF:6797684.3/27

All: 314.885+/-0.048 χ^2/NDF: 12821650.6/50

asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 475.714+/-109.526 χ^2/NDF:18.7/8

Right Out: -316.830+/-258.239 χ^2/NDF: 11.0/18

Left In: -36.619+/-112.662 χ^2/NDF:5.8/6

Left: 226.777+/-78.532 χ^2/NDF: 35.2/15

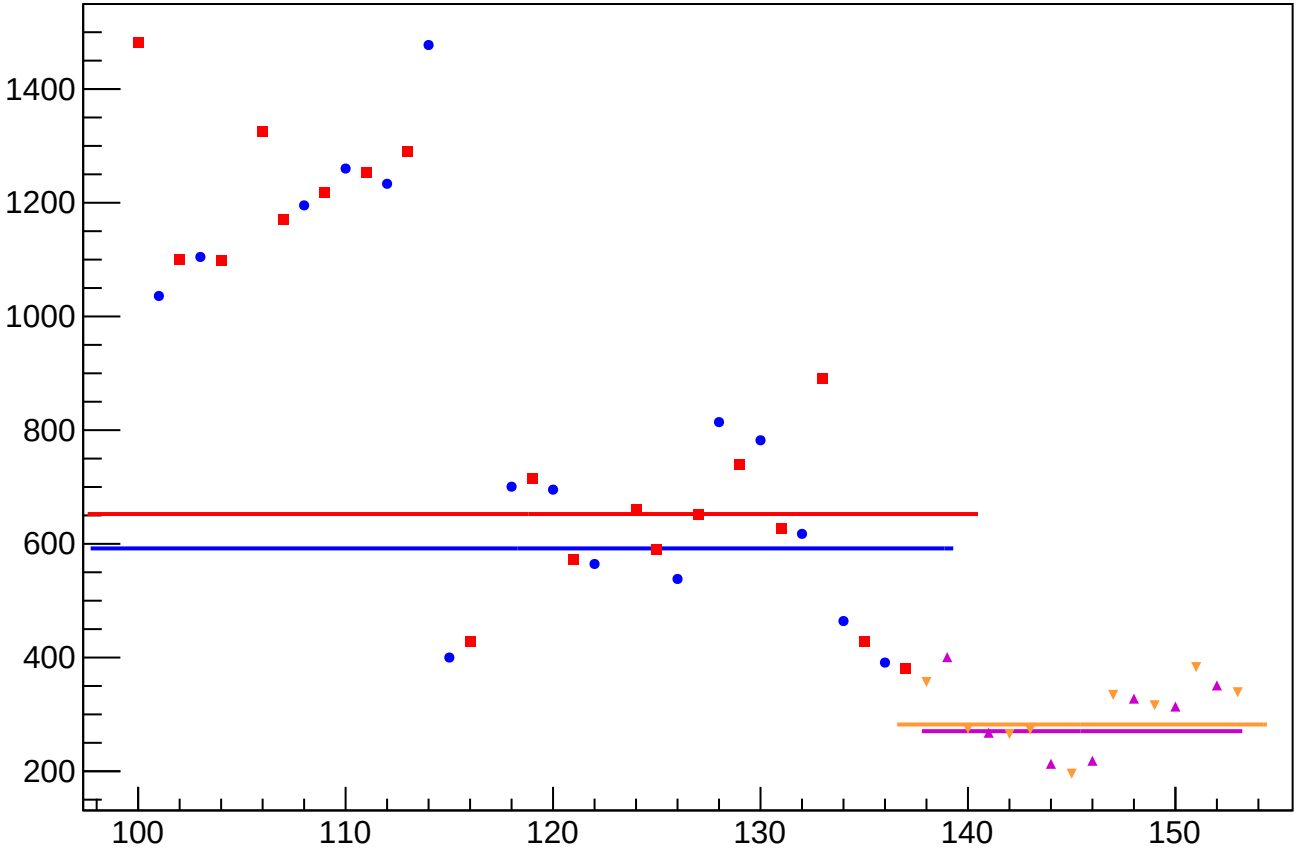
Right: 162.809+/-175.375 χ^2/NDF: 34.0/34

In: 74.343+/-101.901 χ^2/NDF:27.7/22

Out: 354.882+/-100.832 χ^2/NDF:37.7/27

All: 216.092+/-71.674 χ^2/NDF: 69.3/50

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 282.233+/-0.077 χ^2/NDF:605506.9/8

Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 270.512+/-0.080 χ^2/NDF:579326.5/6

Left: 276.538+/-0.056 χ^2/NDF: 1195961.2/15

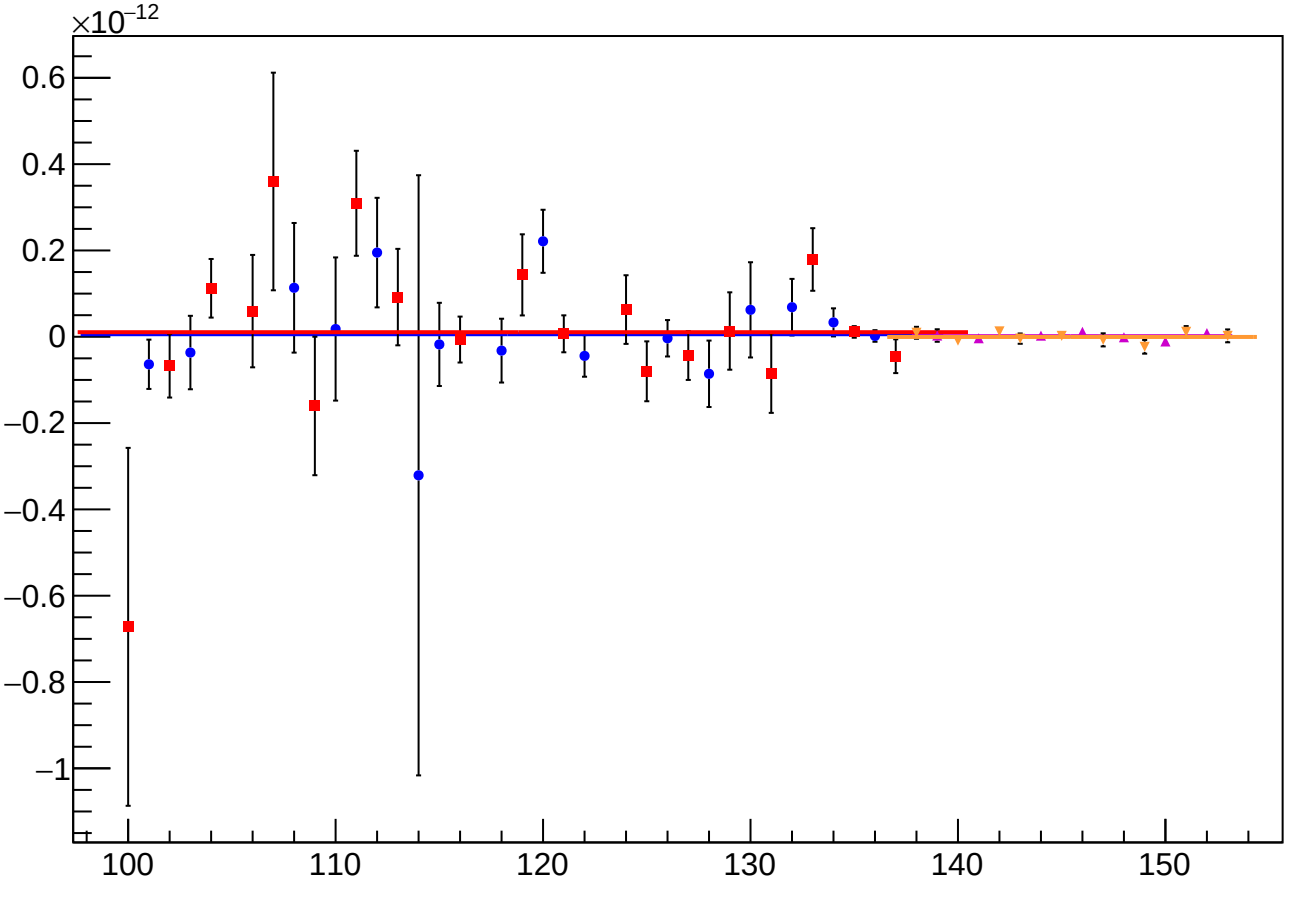
Right: 619.870+/-0.124 χ^2/NDF: 4184800.0/34

In: 328.989+/-0.072 χ^2/NDF:5577000.0/22

Out: 338.678+/-0.071 χ^2/NDF:6179522.6/27

All: 333.884+/-0.051 χ^2/NDF: 11765658.1/50

asym_sam_1526_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.4/8

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/18

Left In: 0.000+/-0.000 χ^2/NDF:3.3/6

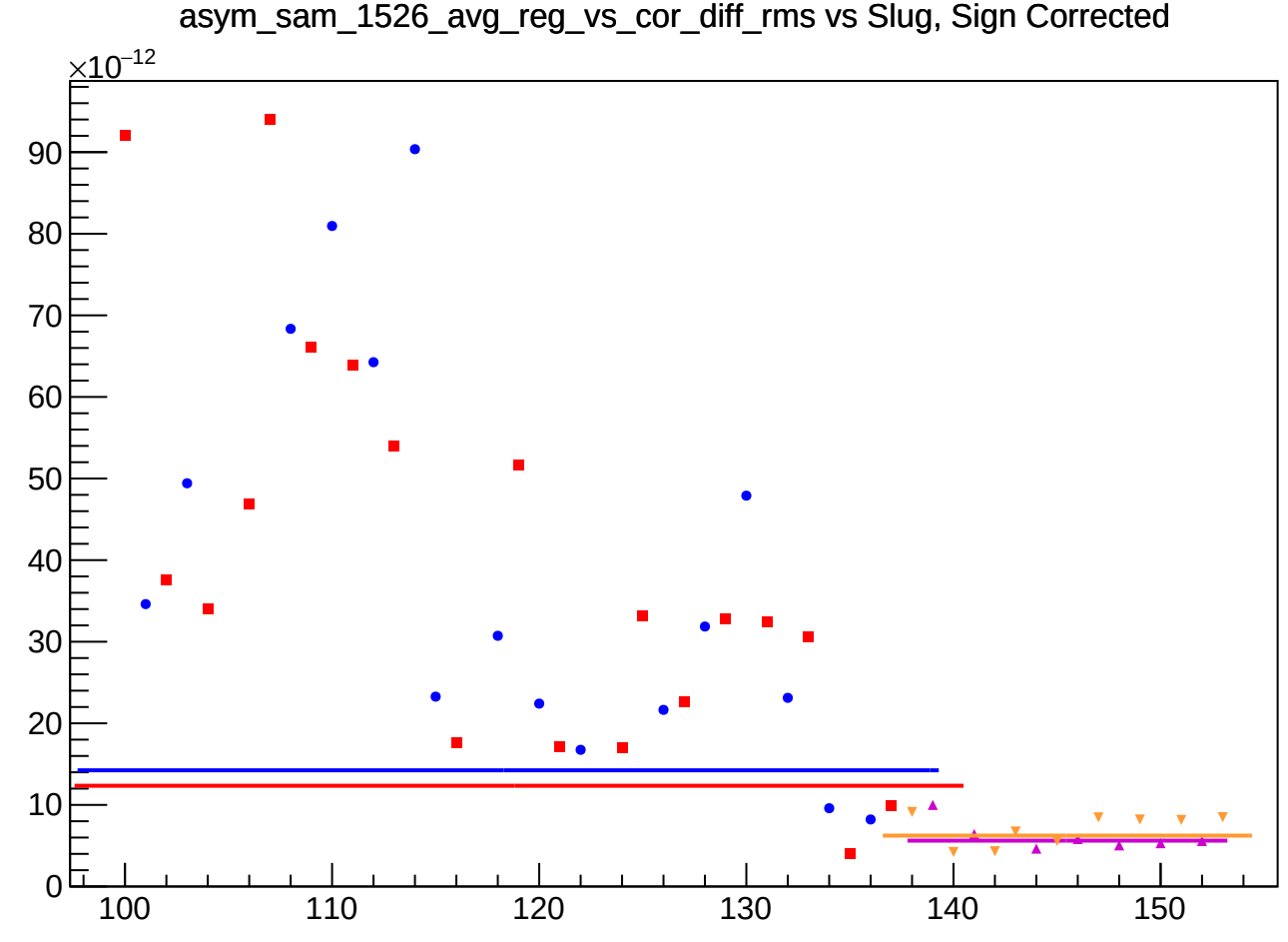
Left: 0.000+/-0.000 χ^2/NDF: 9.8/15

Right: 0.000+/-0.000 χ^2/NDF: 47.8/34

In: 0.000+/-0.000 χ^2/NDF:21.7/22

Out: 0.000+/-0.000 χ^2/NDF:36.8/27

All: 0.000+/-0.000 χ^2/NDF: 58.5/50



Right In: 0.000+/-0.000 χ^2/NDF: 2493527.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:454139.5/8

Right Out: 0.000+/-0.000 χ^2/NDF: 3472954.4/18

Left In: 0.000+/-0.000 χ^2/NDF:240091.3/6

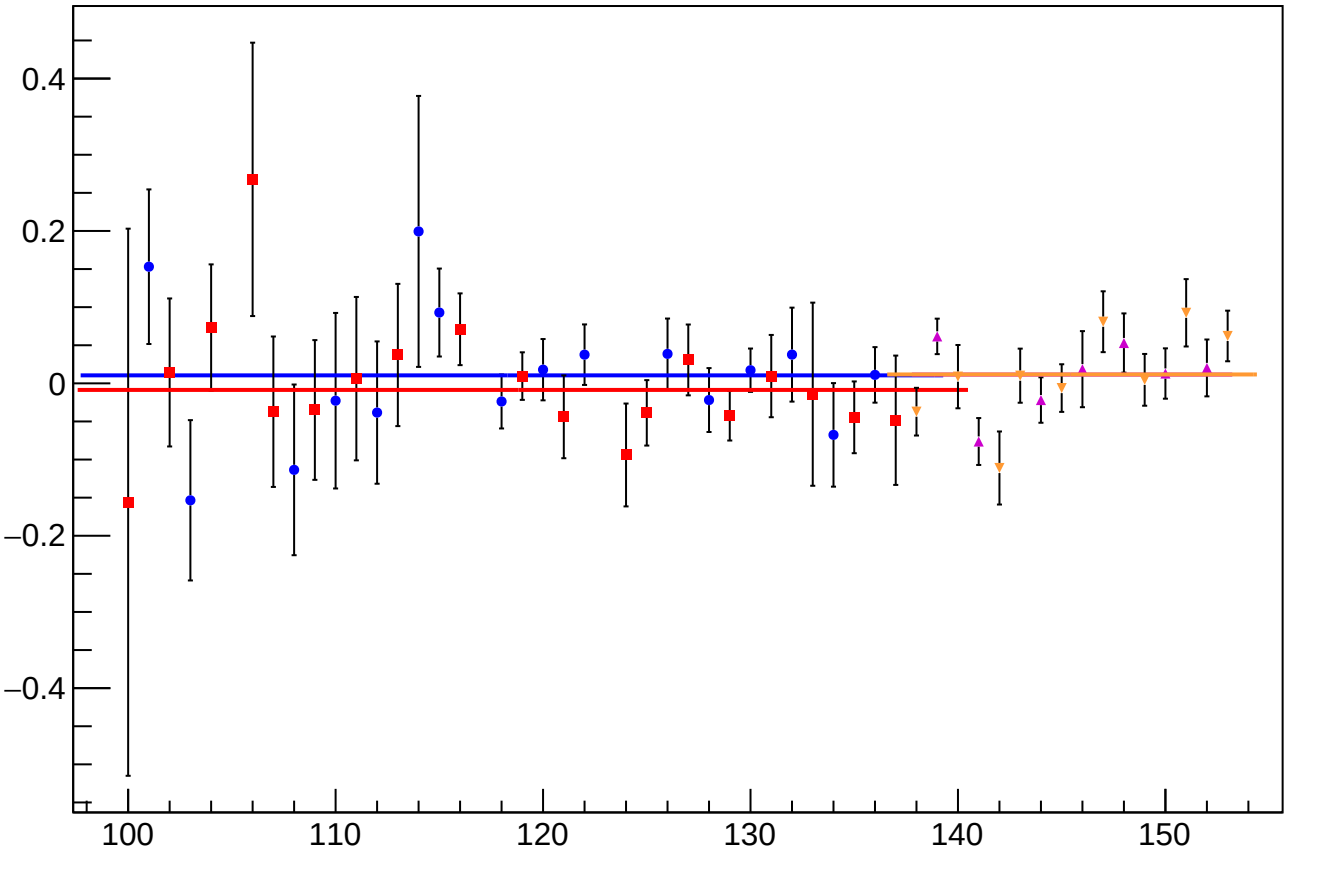
Left: 0.000+/-0.000 χ^2/NDF: 720742.5/15

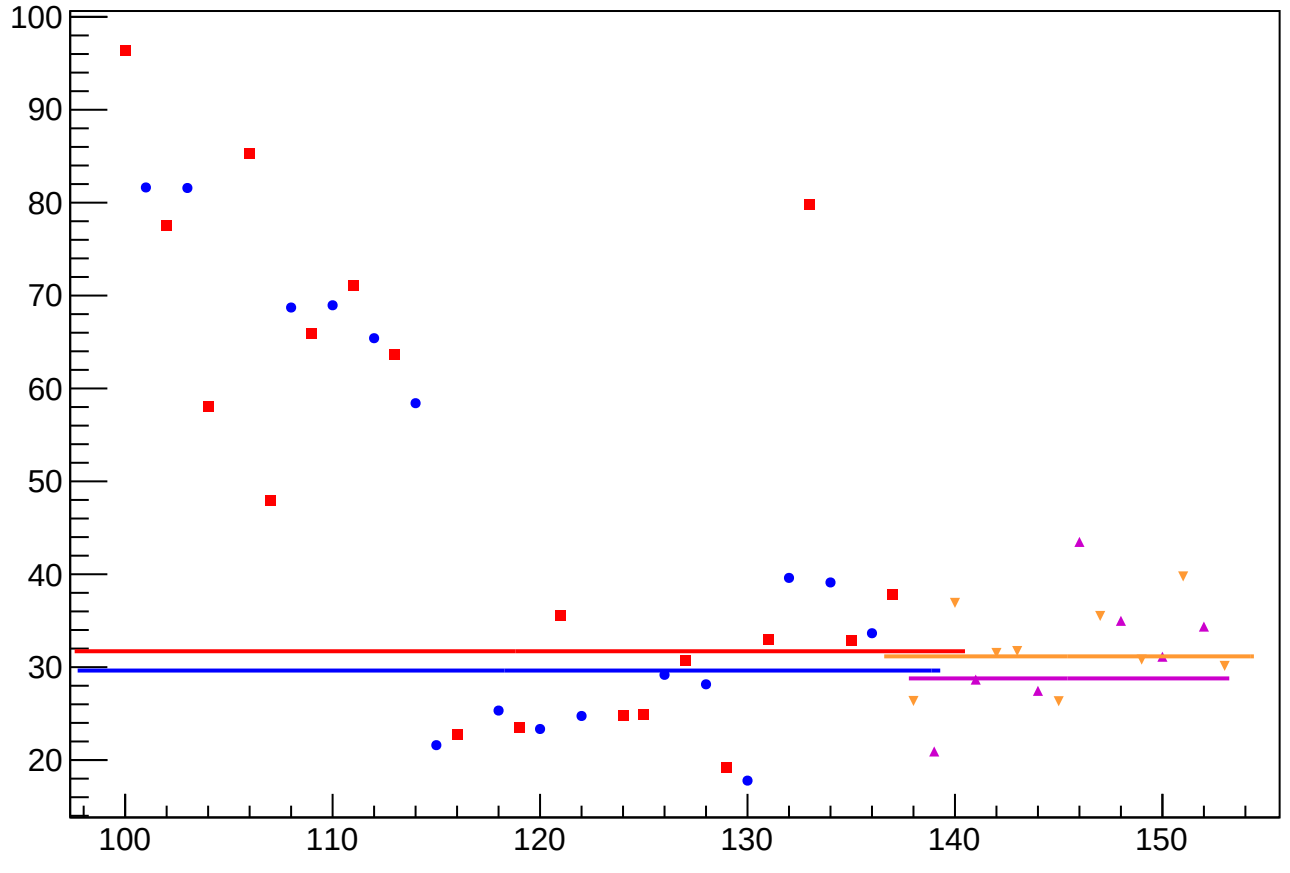
Right: 0.000+/-0.000 χ^2/NDF: 5998748.7/34

In: 0.000+/-0.000 χ^2/NDF:3922599.7/22

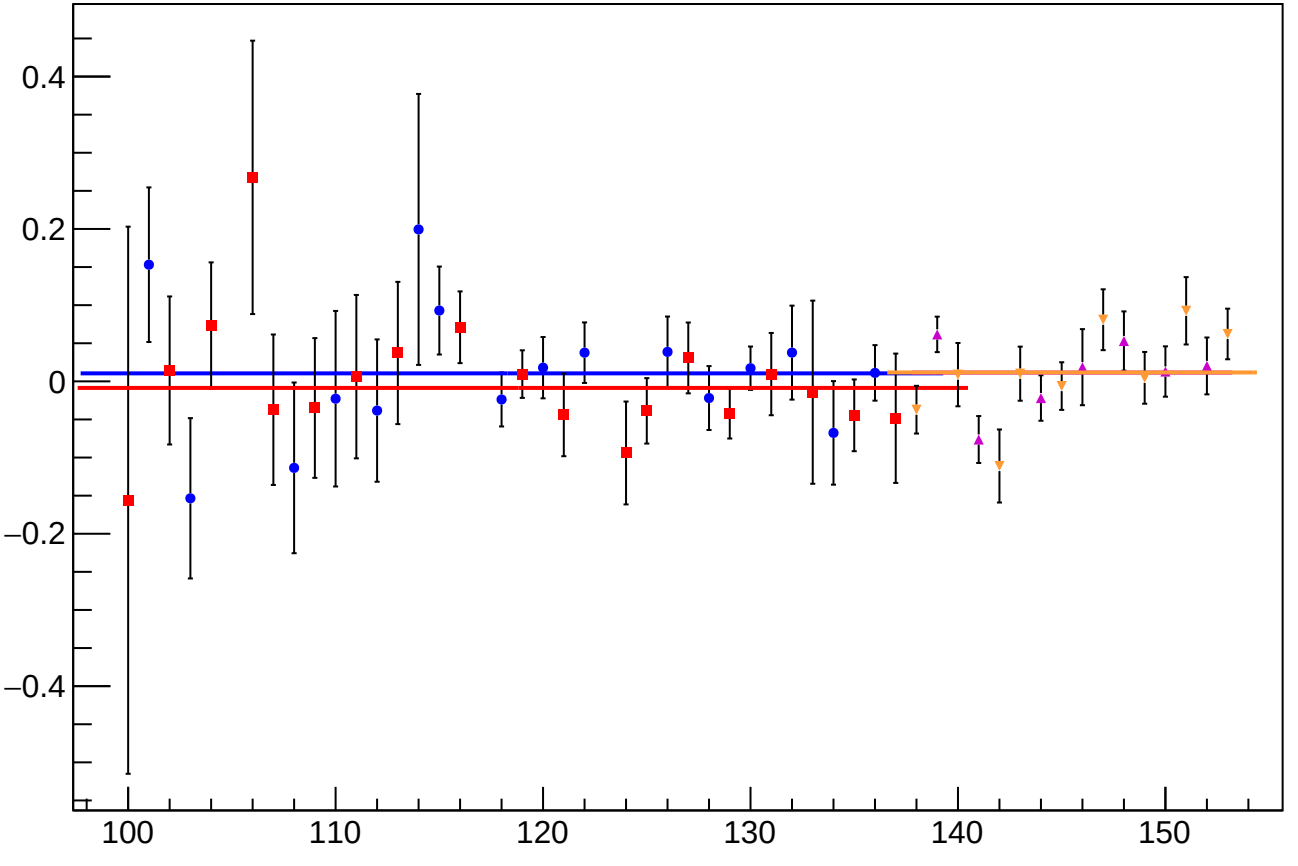
Out: 0.000+/-0.000 χ^2/NDF:4521177.5/27

All: 0.000+/-0.000 χ^2/NDF: 8453163.5/50


asym_sam_1526_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
Right In: 0.010+/-0.013 χ²/NDF: 13.1/15
Left Out: 0.012+/-0.012 χ²/NDF:18.0/8
Right Out: -0.009+/-0.013 χ²/NDF: 12.4/18
Left In: 0.012+/-0.012 χ²/NDF:15.2/6
Left: 0.012+/-0.009 χ²/NDF: 33.3/15
Right: 0.001+/-0.009 χ²/NDF: 26.7/34
In: 0.011+/-0.009 χ²/NDF:28.4/22
Out: 0.002+/-0.009 χ²/NDF:31.7/27
All: 0.007+/-0.006 χ²/NDF: 60.6/50


asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
100
90
80
70
60
50
40
30
20
100
110
120
130
140
150
Right In: 29.635+/-0.009 χ²/NDF: 2448468.0/15
Left Out: 31.161+/-0.009 χ²/NDF:235530.4/8
Right Out: 31.712+/-0.009 χ²/NDF: 2651470.3/18
Left In: 28.788+/-0.009 χ²/NDF:511122.6/6
Left: 29.979+/-0.006 χ²/NDF: 784636.2/15
Right: 30.618+/-0.006 χ²/NDF: 5125863.2/34
In: 29.199+/-0.006 χ²/NDF:2964265.8/22
Out: 31.413+/-0.006 χ²/NDF:2888878.7/27
All: 30.280+/-0.004 χ²/NDF: 5915709.9/50

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.012+/-0.012 χ^2/NDF:18.0/8

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.012+/-0.012 χ^2/NDF:15.2/6

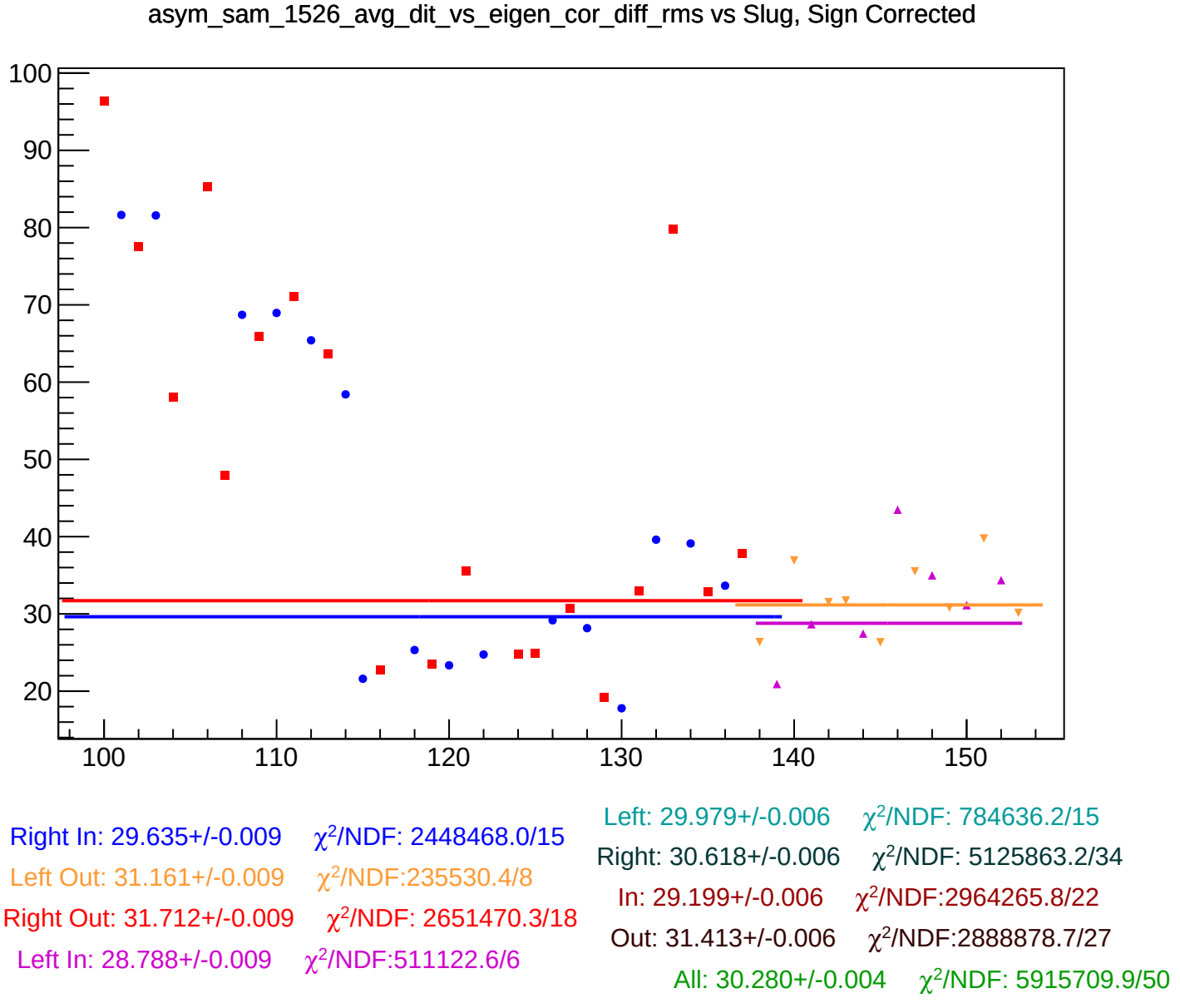
Left: 0.012+/-0.009 χ^2/NDF: 33.3/15

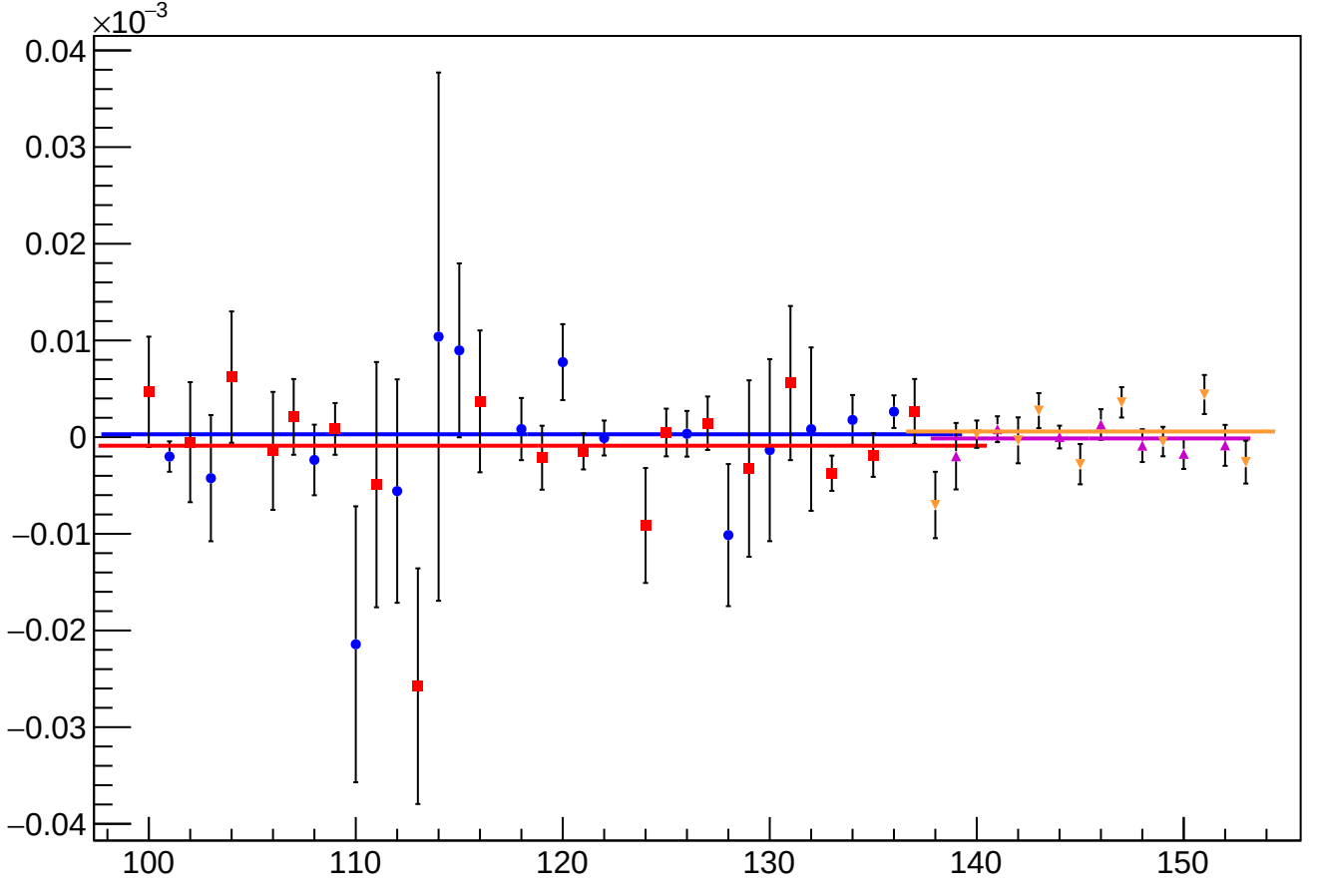
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.011+/-0.009 χ^2/NDF:28.4/22

Out: 0.002+/-0.009 χ^2/NDF:31.7/27

All: 0.007+/-0.006 χ^2/NDF: 60.6/50


asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
100
90
80
70
60
50
40
30
20
100
110
120
130
140
150
Right In: 29.635+/-0.009 χ²/NDF: 2448468.0/15
Left Out: 31.161+/-0.009 χ²/NDF:235530.4/8
Right Out: 31.712+/-0.009 χ²/NDF: 2651470.3/18
Left In: 28.788+/-0.009 χ²/NDF:511122.6/6
Left: 29.979+/-0.006 χ²/NDF: 784636.2/15
Right: 30.618+/-0.006 χ²/NDF: 5125863.2/34
In: 29.199+/-0.006 χ²/NDF:2964265.8/22
Out: 31.413+/-0.006 χ²/NDF:2888878.7/27
All: 30.280+/-0.004 χ²/NDF: 5915709.9/50



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.9/8

Right Out: -0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: -0.000+/-0.000 χ^2/NDF:3.0/6

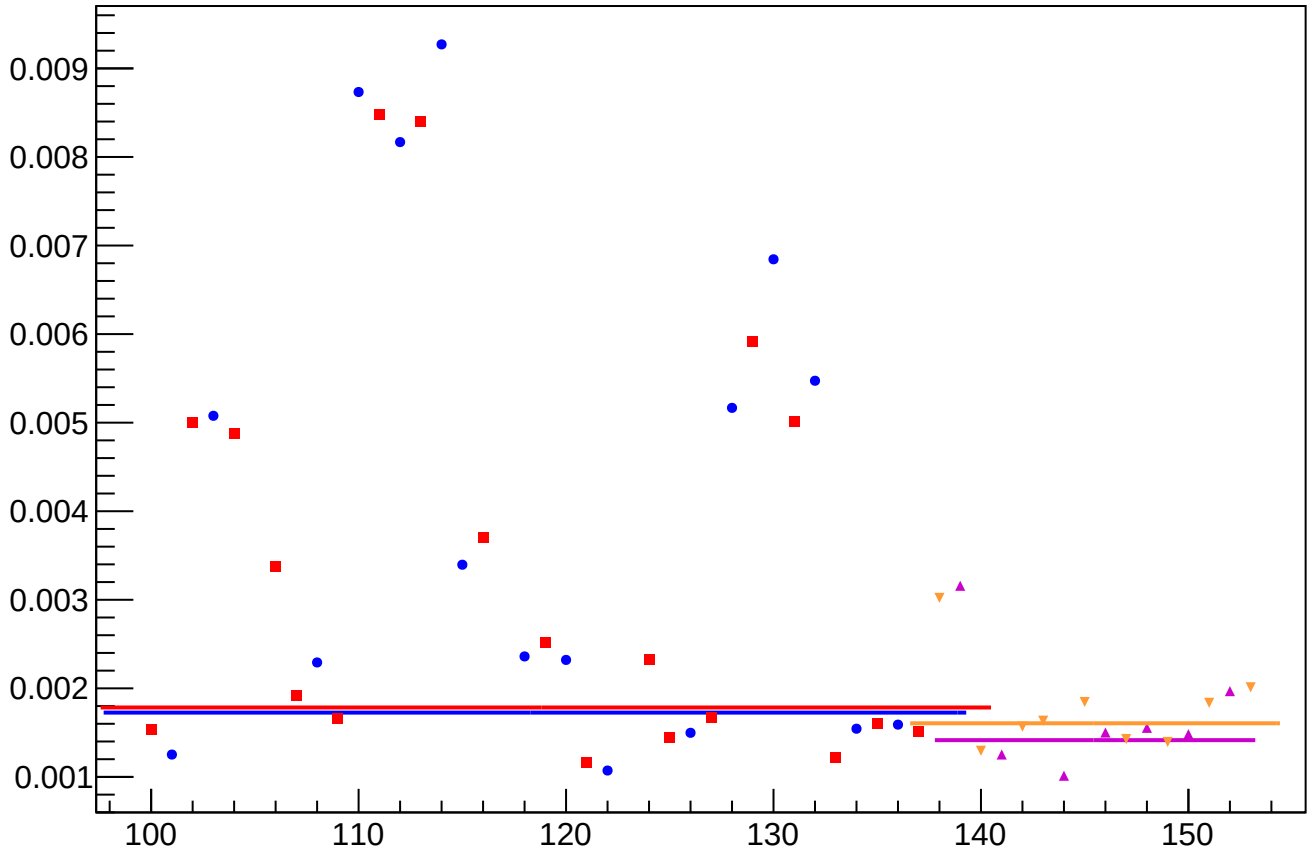
Left: 0.000+/-0.000 χ^2/NDF: 22.6/15

Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: 0.000+/-0.000 χ^2/NDF:18.0/22

Out: 0.000+/-0.000 χ^2/NDF:36.5/27

All: 0.000+/-0.000 χ^2/NDF: 54.4/50



Right In: 0.002+/-0.000 χ^2/NDF: 3932244.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:620451.3/8

Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.001+/-0.000 χ^2/NDF:936389.2/6

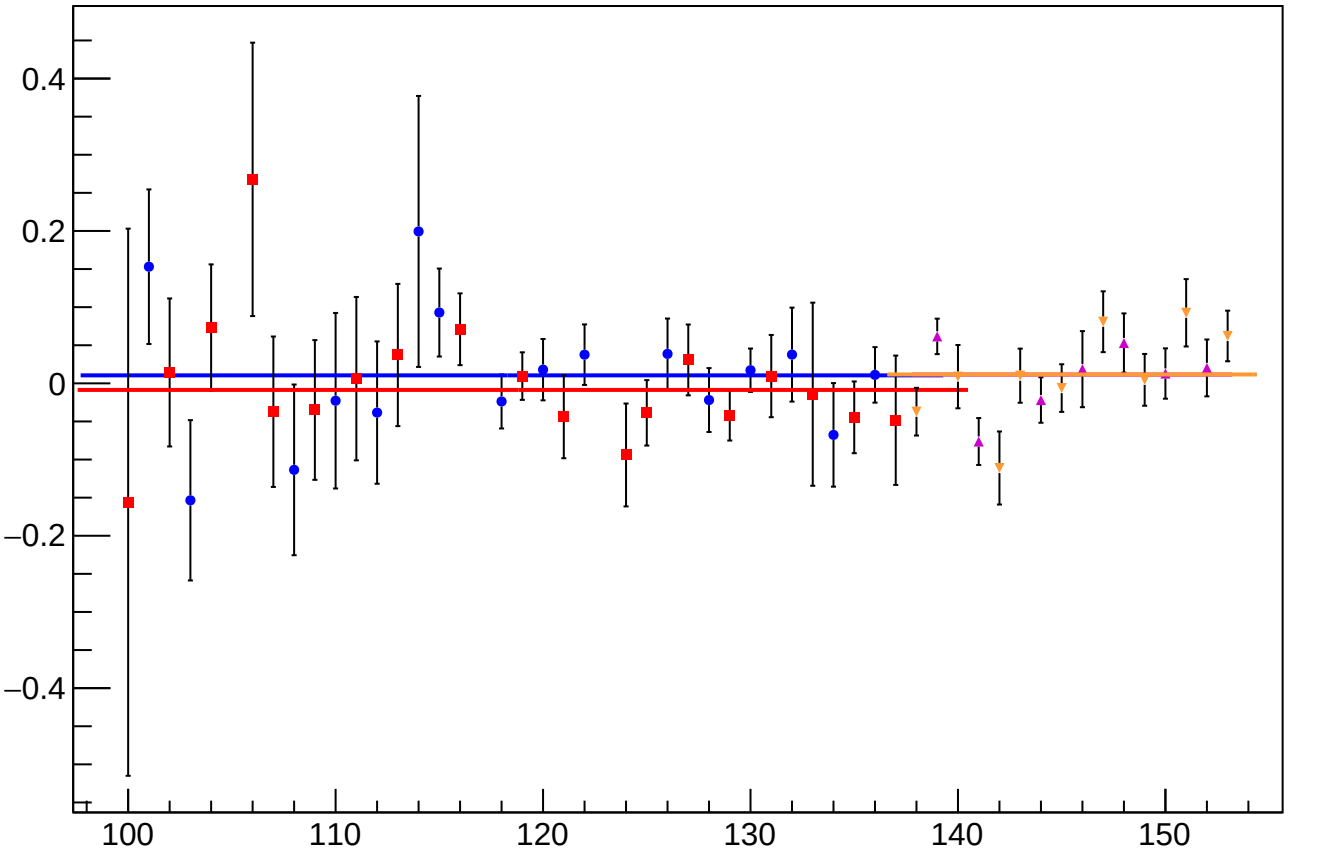
Left: 0.002+/-0.000 χ^2/NDF: 1653251.0/15

Right: 0.002+/-0.000 χ^2/NDF: 7656643.6/34

In: 0.002+/-0.000 χ^2/NDF:5073496.3/22

Out: 0.002+/-0.000 χ^2/NDF:4403472.7/27

All: 0.002+/-0.000 χ^2/NDF: 9562575.2/50



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.012+/-0.012 χ^2/NDF:18.0/8

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.012+/-0.012 χ^2/NDF:15.2/6

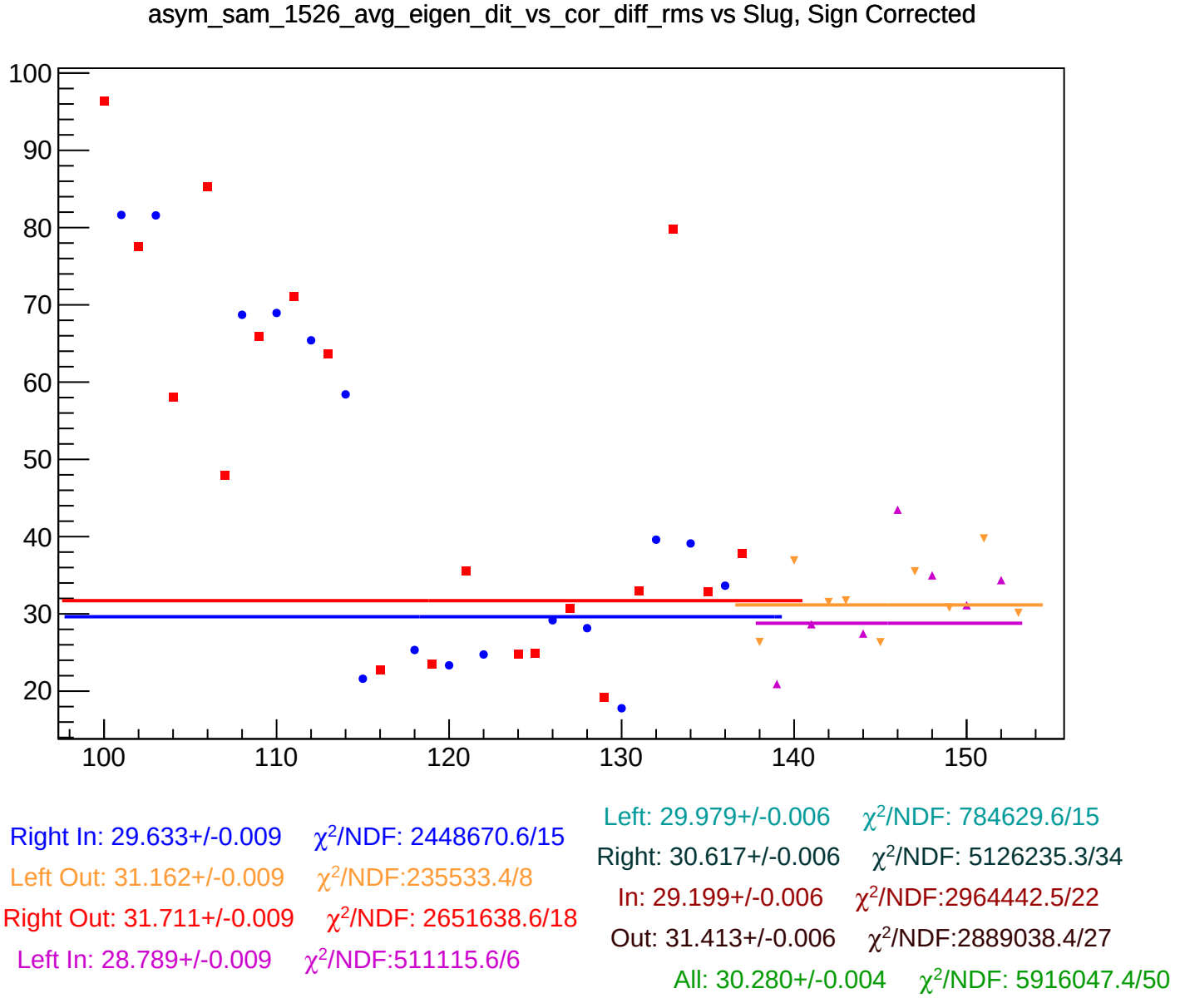
Left: 0.012+/-0.009 χ^2/NDF: 33.3/15

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

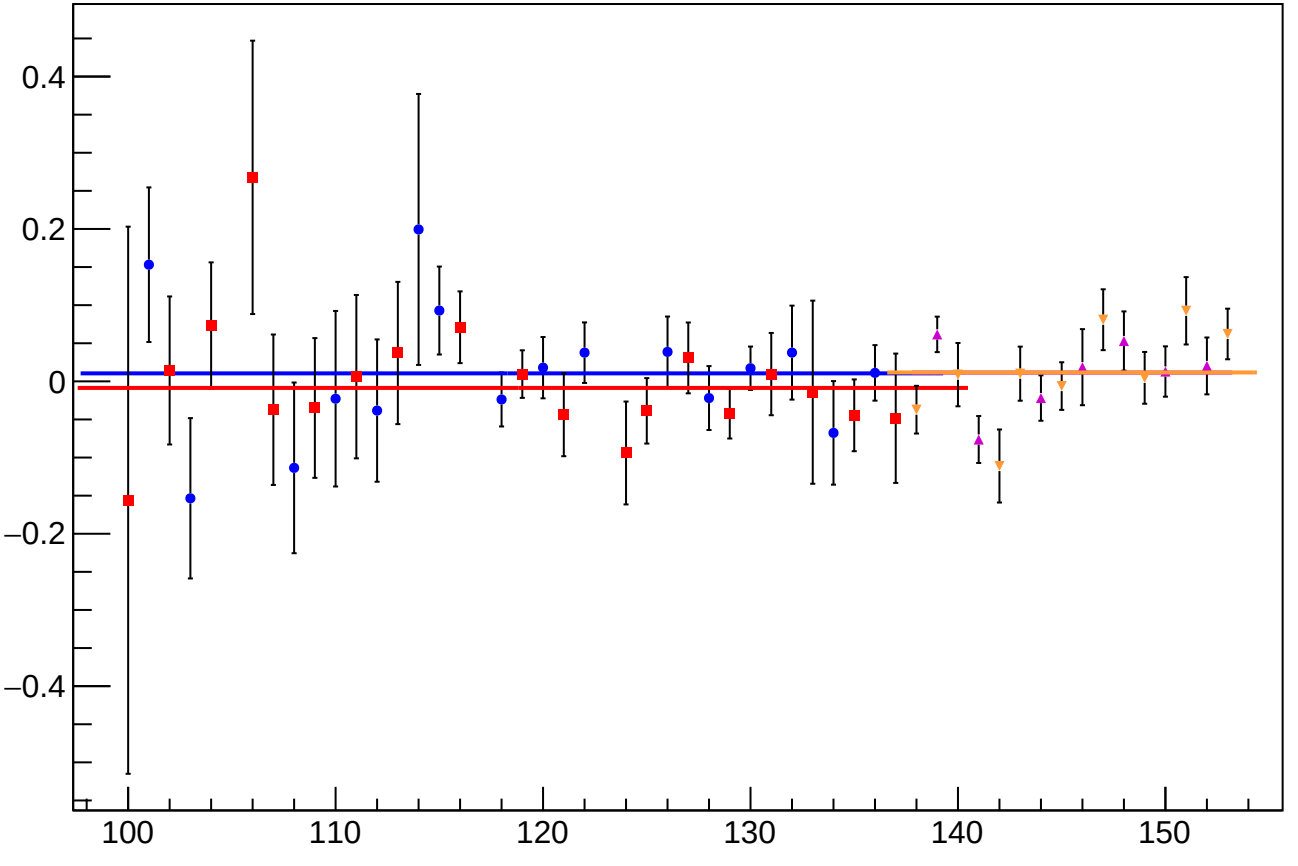
In: 0.011+/-0.009 χ^2/NDF:28.4/22

Out: 0.002+/-0.009 χ^2/NDF:31.7/27

All: 0.007+/-0.006 χ^2/NDF: 60.6/50


asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
100
90
80
70
60
50
40
30
20
100
110
120
130
140
150
Right In: 29.633+/-0.009 χ²/NDF: 2448670.6/15
Left Out: 31.162+/-0.009 χ²/NDF:235533.4/8
Right Out: 31.711+/-0.009 χ²/NDF: 2651638.6/18
Left In: 28.789+/-0.009 χ²/NDF:511115.6/6
Left: 29.979+/-0.006 χ²/NDF: 784629.6/15
Right: 30.617+/-0.006 χ²/NDF: 5126235.3/34
In: 29.199+/-0.006 χ²/NDF:2964442.5/22
Out: 31.413+/-0.006 χ²/NDF:2889038.4/27
All: 30.280+/-0.004 χ²/NDF: 5916047.4/50

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: 0.012+/-0.012 χ^2/NDF:18.0/8

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.012+/-0.012 χ^2/NDF:15.2/6

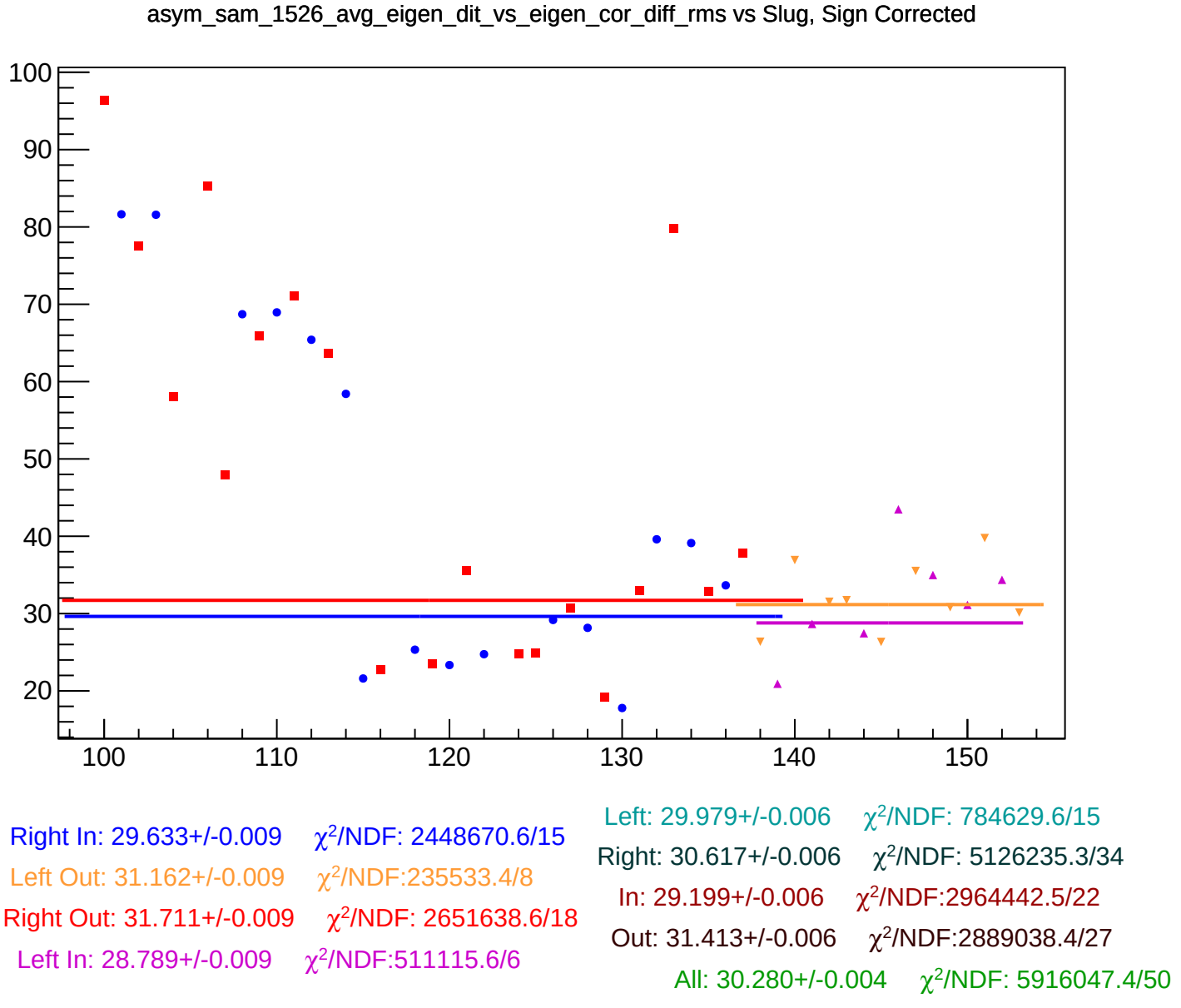
Left: 0.012+/-0.009 χ^2/NDF: 33.3/15

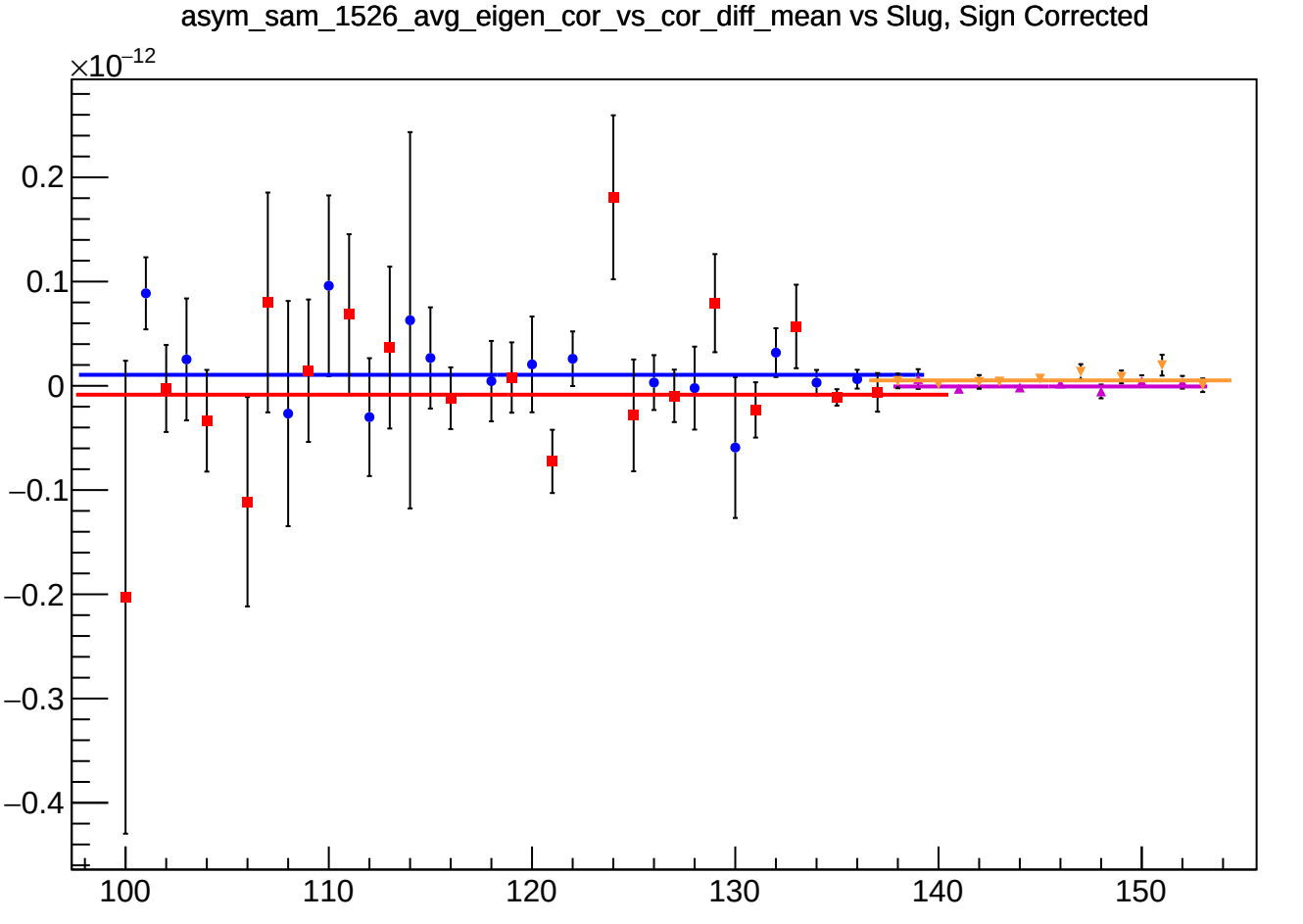
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

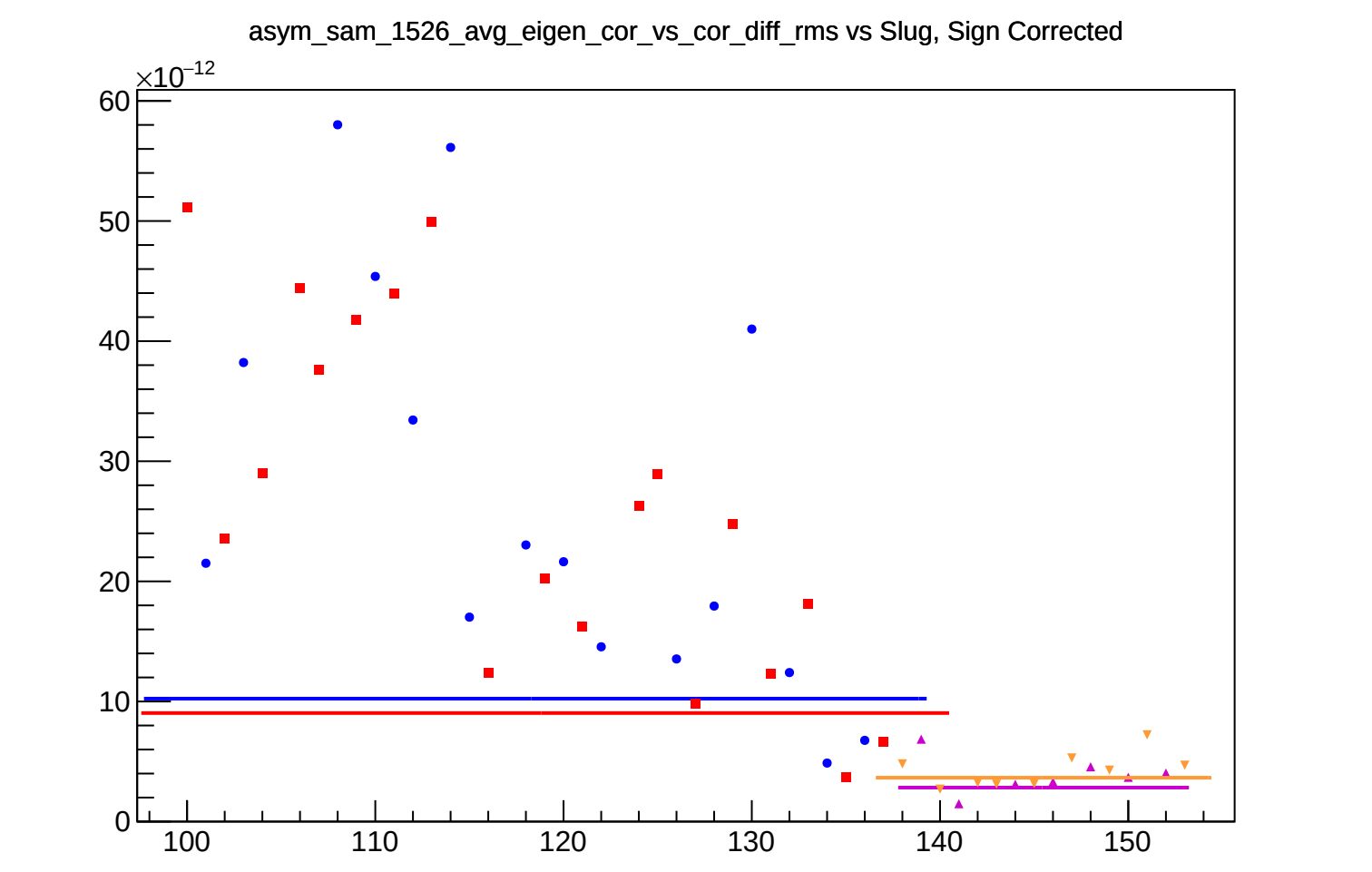
In: 0.011+/-0.009 χ^2/NDF:28.4/22

Out: 0.002+/-0.009 χ^2/NDF:31.7/27

All: 0.007+/-0.006 χ^2/NDF: 60.6/50


asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
100
90
80
70
60
50
40
30
20
100
110
120
130
140
150
Right In: 29.633+/-0.009 χ²/NDF: 2448670.6/15
Left Out: 31.162+/-0.009 χ²/NDF:235533.4/8
Right Out: 31.711+/-0.009 χ²/NDF: 2651638.6/18
Left In: 28.789+/-0.009 χ²/NDF:511115.6/6
Left: 29.979+/-0.006 χ²/NDF: 784629.6/15
Right: 30.617+/-0.006 χ²/NDF: 5126235.3/34
In: 29.199+/-0.006 χ²/NDF:2964442.5/22
Out: 31.413+/-0.006 χ²/NDF:2889038.4/27
All: 30.280+/-0.004 χ²/NDF: 5916047.4/50


asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 10.1/15
Left Out: 0.000+/-0.000 χ²/NDF:5.5/8
Right Out: -0.000+/-0.000 χ²/NDF: 21.4/18
Left In: -0.000+/-0.000 χ²/NDF:3.4/6
Left: 0.000+/-0.000 χ²/NDF: 14.3/15
Right: 0.000+/-0.000 χ²/NDF: 36.6/34
In: 0.000+/-0.000 χ²/NDF:16.7/22
Out: 0.000+/-0.000 χ²/NDF:31.8/27
All: 0.000+/-0.000 χ²/NDF: 51.0/50



Right In: 0.000+/-0.000 χ^2/NDF: 3511693.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:674391.4/8

Right Out: 0.000+/-0.000 χ^2/NDF: 4514368.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1150174.0/6

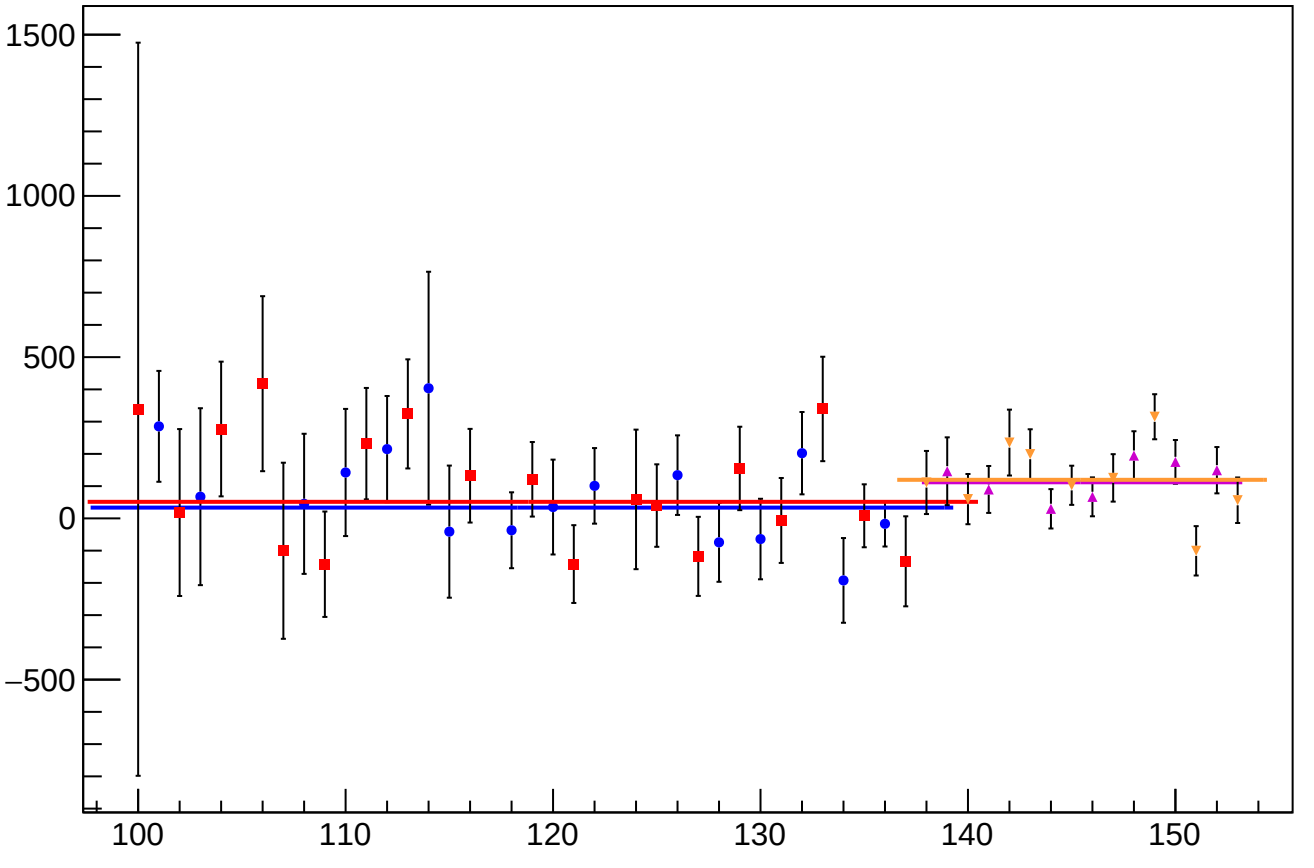
Left: 0.000+/-0.000 χ^2/NDF: 2039693.2/15

Right: 0.000+/-0.000 χ^2/NDF: 8066534.1/34

In: 0.000+/-0.000 χ^2/NDF:7481568.7/22

Out: 0.000+/-0.000 χ^2/NDF:6696495.4/27

All: 0.000+/-0.000 χ^2/NDF: 14364920.1/50



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 119.602+/-25.274 χ^2/NDF:19.9/8

Right Out: 51.335+/-34.851 χ^2/NDF: 19.6/18

Left In: 111.948+/-26.634 χ^2/NDF:4.9/6

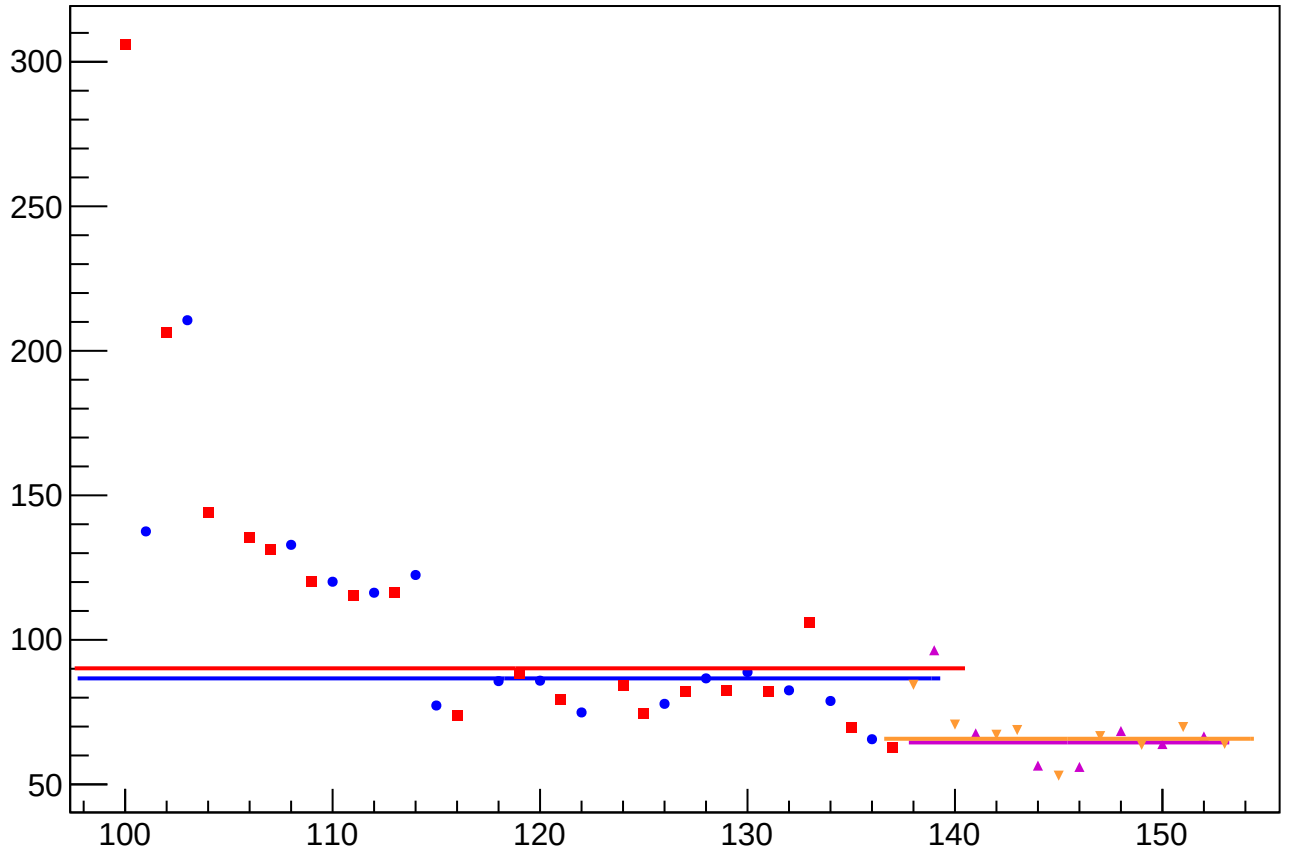
Left: 115.976+/-18.333 χ^2/NDF: 24.9/15

Right: 42.130+/-24.293 χ^2/NDF: 32.5/34

In: 81.959+/-20.939 χ^2/NDF:21.1/22

Out: 96.074+/-20.460 χ^2/NDF:42.0/27

All: 89.179+/-14.634 χ^2/NDF: 63.3/50



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 65.782+/-0.018 χ^2/NDF:181645.2/8

Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 64.503+/-0.019 χ^2/NDF:269187.2/6

Left: 65.176+/-0.013 χ^2/NDF: 453257.9/15

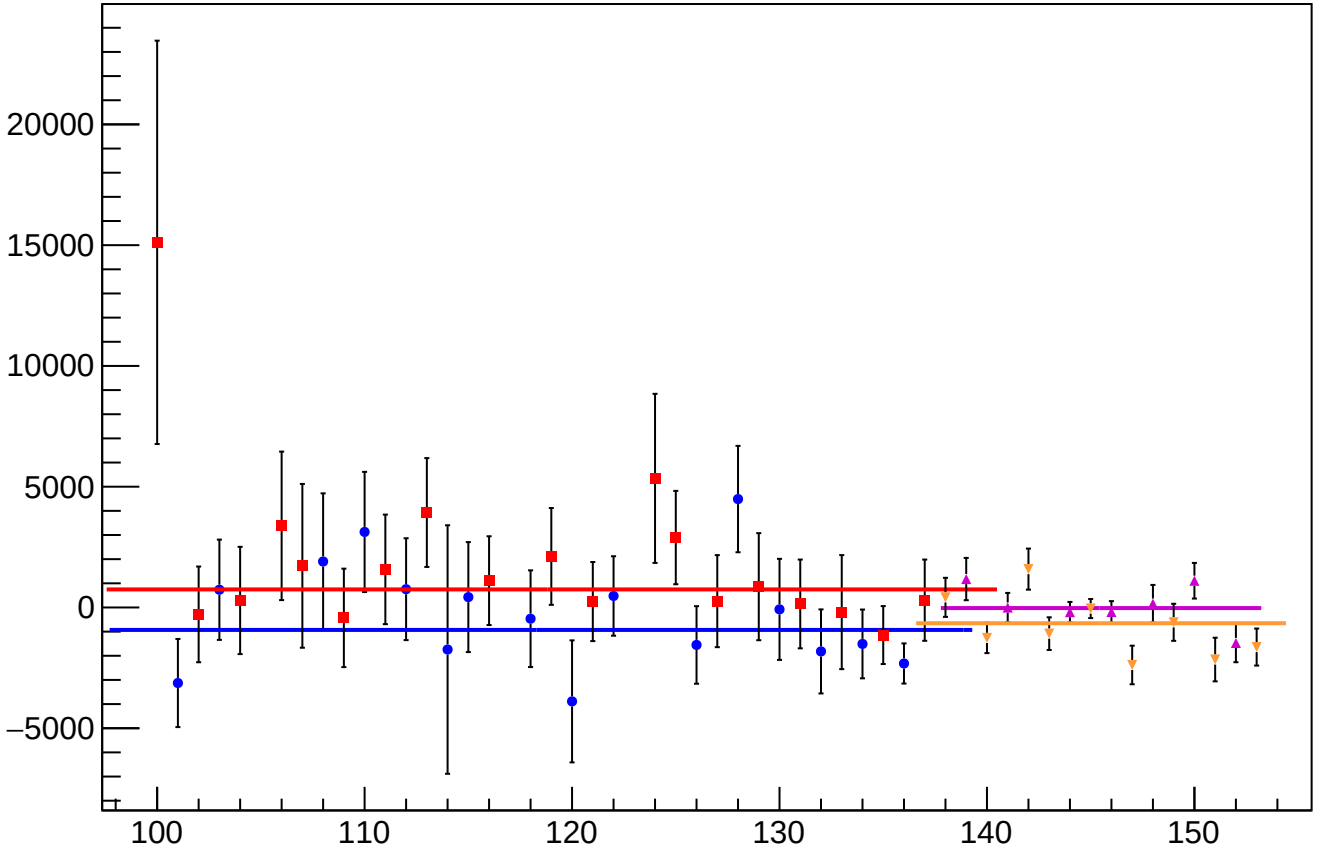
Right: 88.360+/-0.017 χ^2/NDF: 2199082.5/34

In: 72.968+/-0.015 χ^2/NDF:1836928.0/22

Out: 74.182+/-0.014 χ^2/NDF:1972549.9/27

All: 73.589+/-0.010 χ^2/NDF: 3812912.5/50

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: -653.143+/-222.330 χ^2/NDF:21.5/8

Right Out: 747.199+/-467.902 χ^2/NDF: 13.0/18

Left In: -24.929+/-225.498 χ^2/NDF:7.9/6

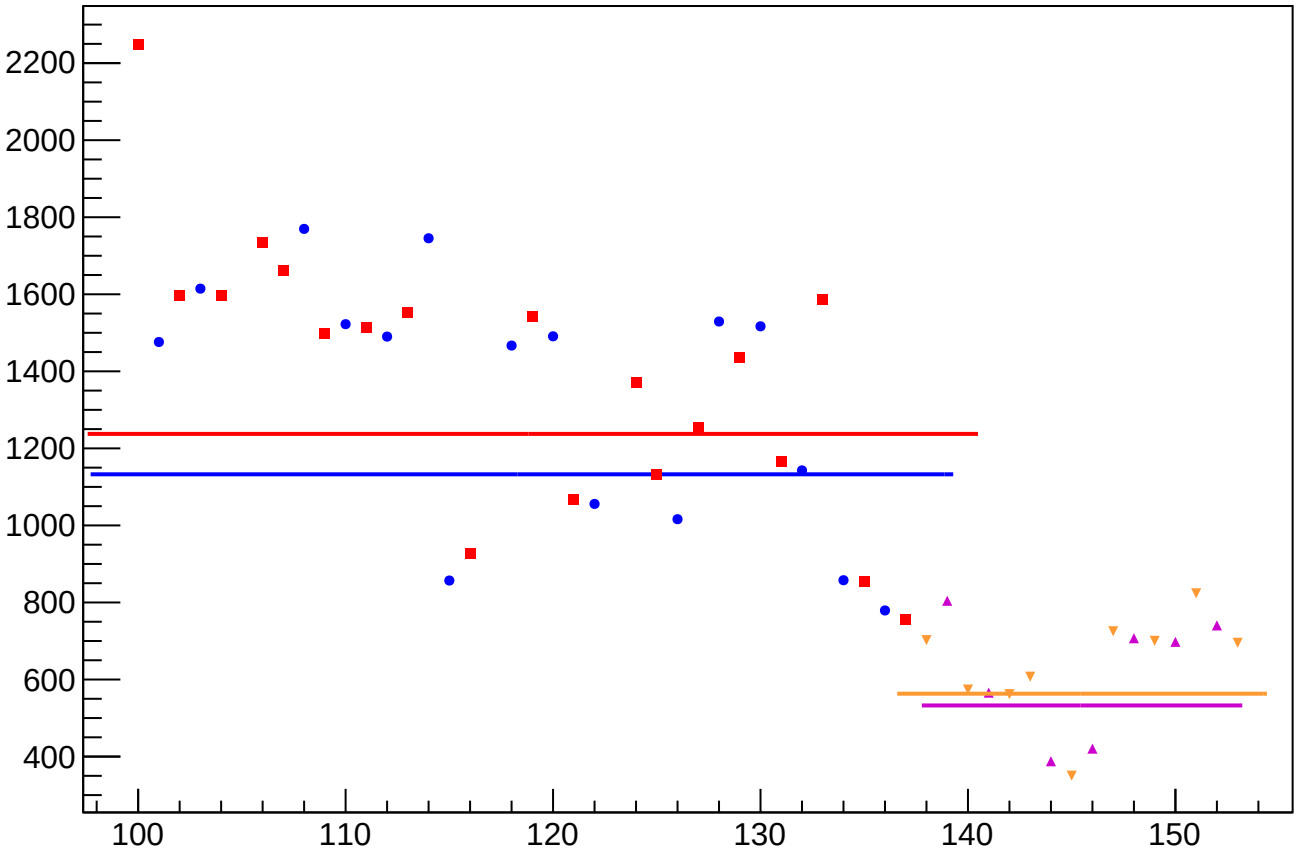
Left: -343.480+/-158.319 χ^2/NDF: 33.3/15

Right: -141.108+/-320.882 χ^2/NDF: 38.3/34

In: -212.558+/-200.763 χ^2/NDF:29.7/22

Out: -395.209+/-200.813 χ^2/NDF:41.8/27

All: -303.861+/-141.979 χ^2/NDF: 72.0/50



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 563.232+/-0.157 χ^2/NDF:1021441.2/8

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

Left In: 532.709+/-0.159 χ^2/NDF:895384.4/6

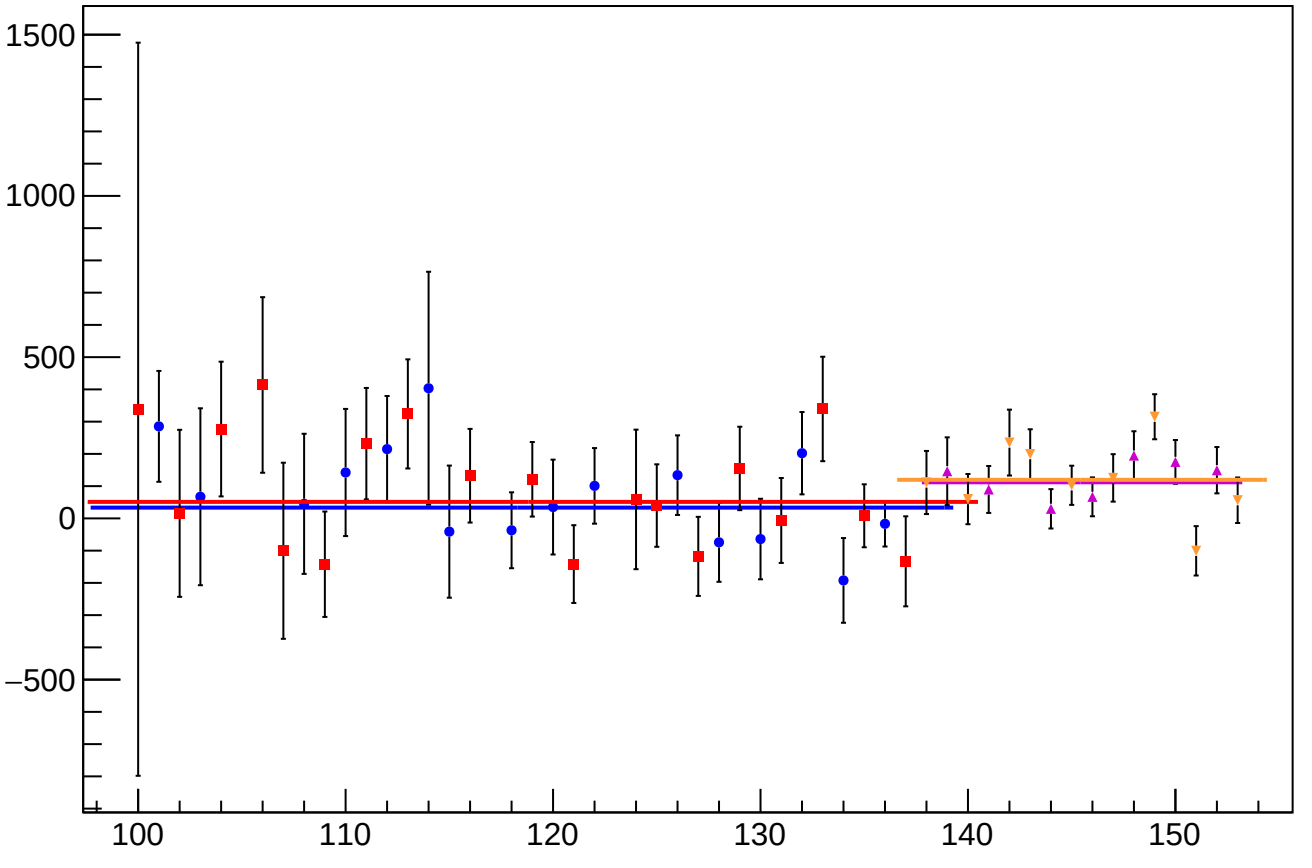
Left: 548.187+/-0.112 χ^2/NDF: 1935407.4/15

Right: 1182.025+/-0.227 χ^2/NDF: 2072715.6/34

In: 657.114+/-0.142 χ^2/NDF:4955277.5/22

Out: 687.445+/-0.142 χ^2/NDF:5305887.9/27

All: 672.276+/-0.100 χ^2/NDF: 10283984.3/50



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 119.609+/-25.274 χ^2/NDF:19.9/8

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 111.948+/-26.634 χ^2/NDF:4.9/6

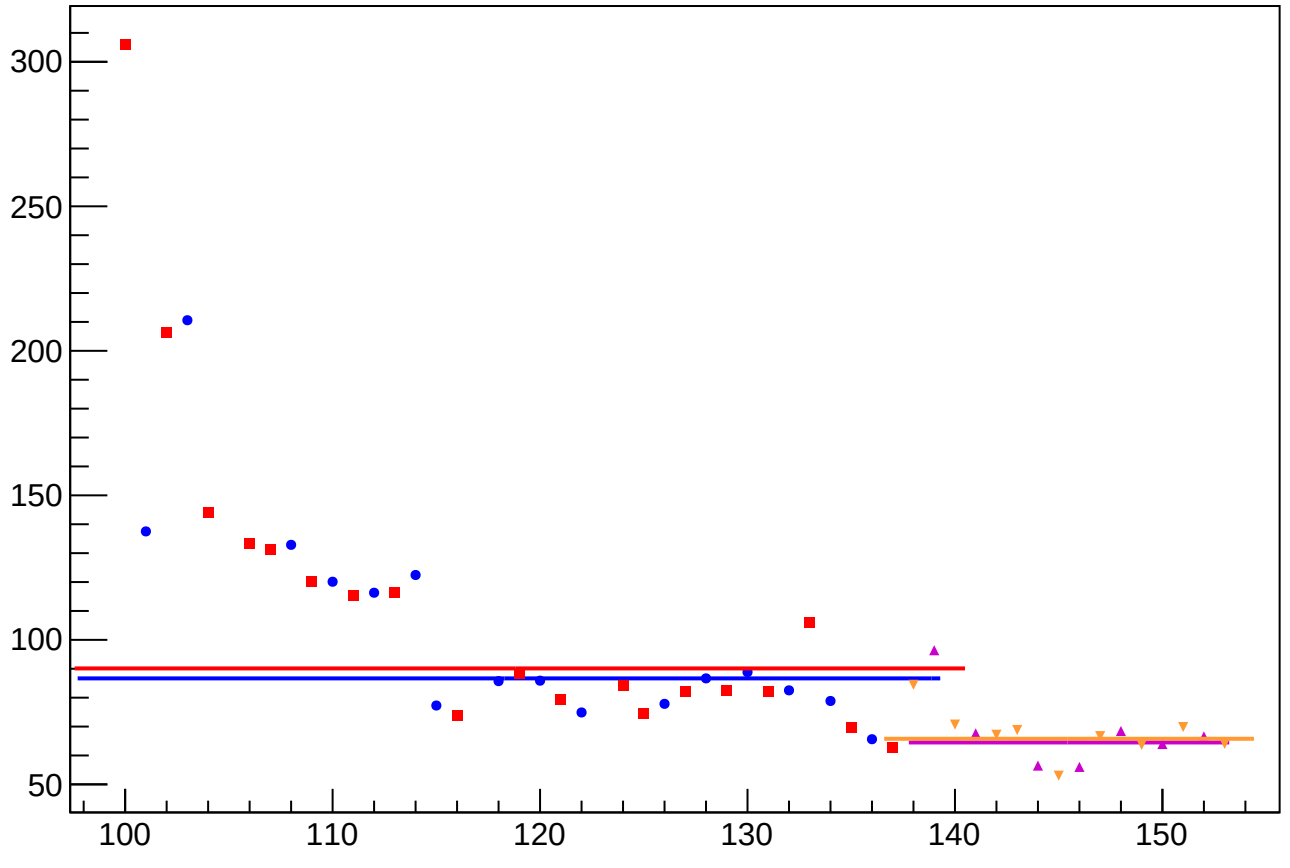
Left: 115.979+/-18.333 χ^2/NDF: 24.9/15

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 81.956+/-20.939 χ^2/NDF:21.1/22

Out: 96.029+/-20.461 χ^2/NDF:42.0/27

All: 89.155+/-14.634 χ^2/NDF: 63.3/50



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 65.782+/-0.018 χ^2/NDF:181645.2/8

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.503+/-0.019 χ^2/NDF:269187.2/6

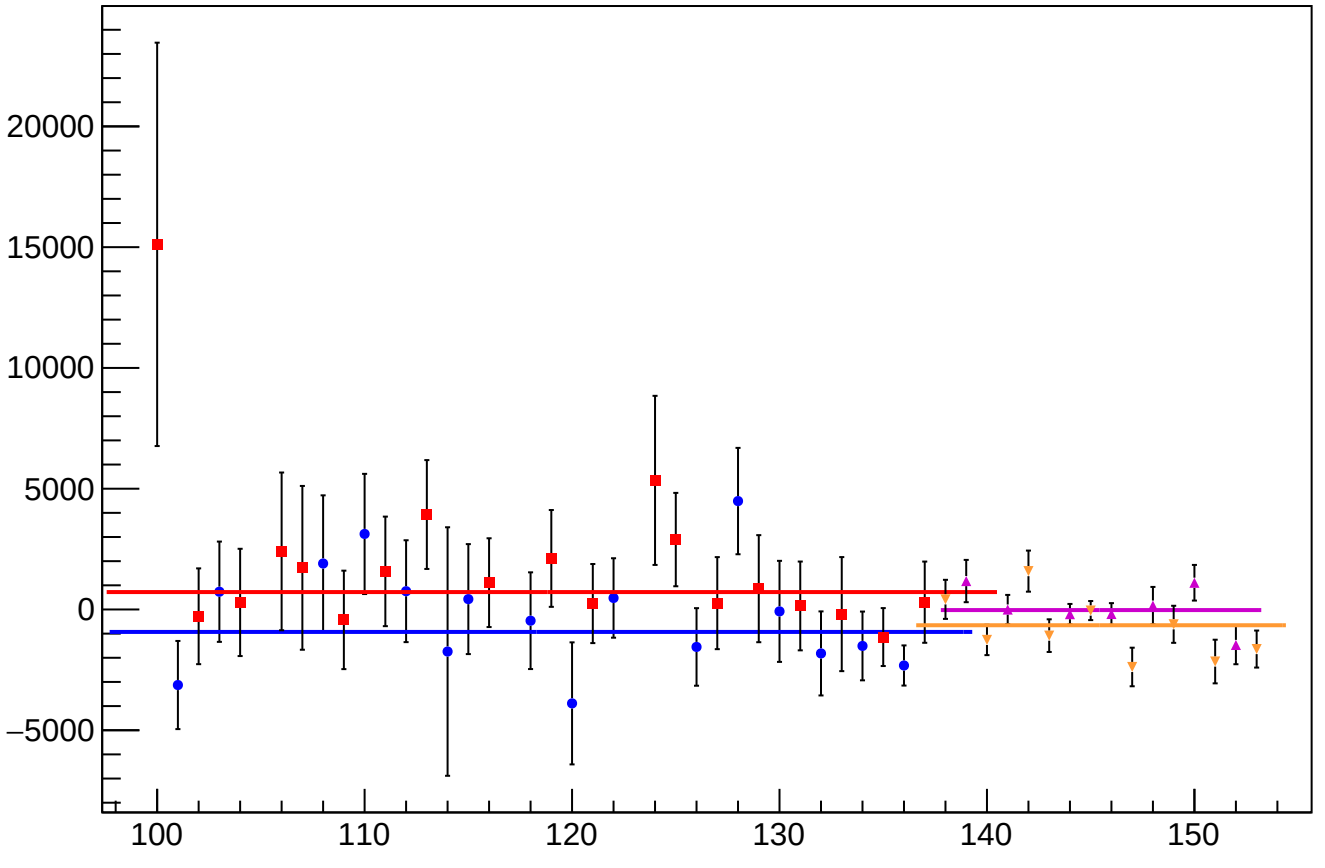
Left: 65.176+/-0.013 χ^2/NDF: 453257.9/15

Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 72.968+/-0.015 χ^2/NDF:1836930.5/22

Out: 74.168+/-0.014 χ^2/NDF:1965856.0/27

All: 73.582+/-0.010 χ^2/NDF: 3806145.5/50



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -653.137+/-222.330 χ^2/NDF:21.5/8

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: -24.926+/-225.498 χ^2/NDF:7.9/6

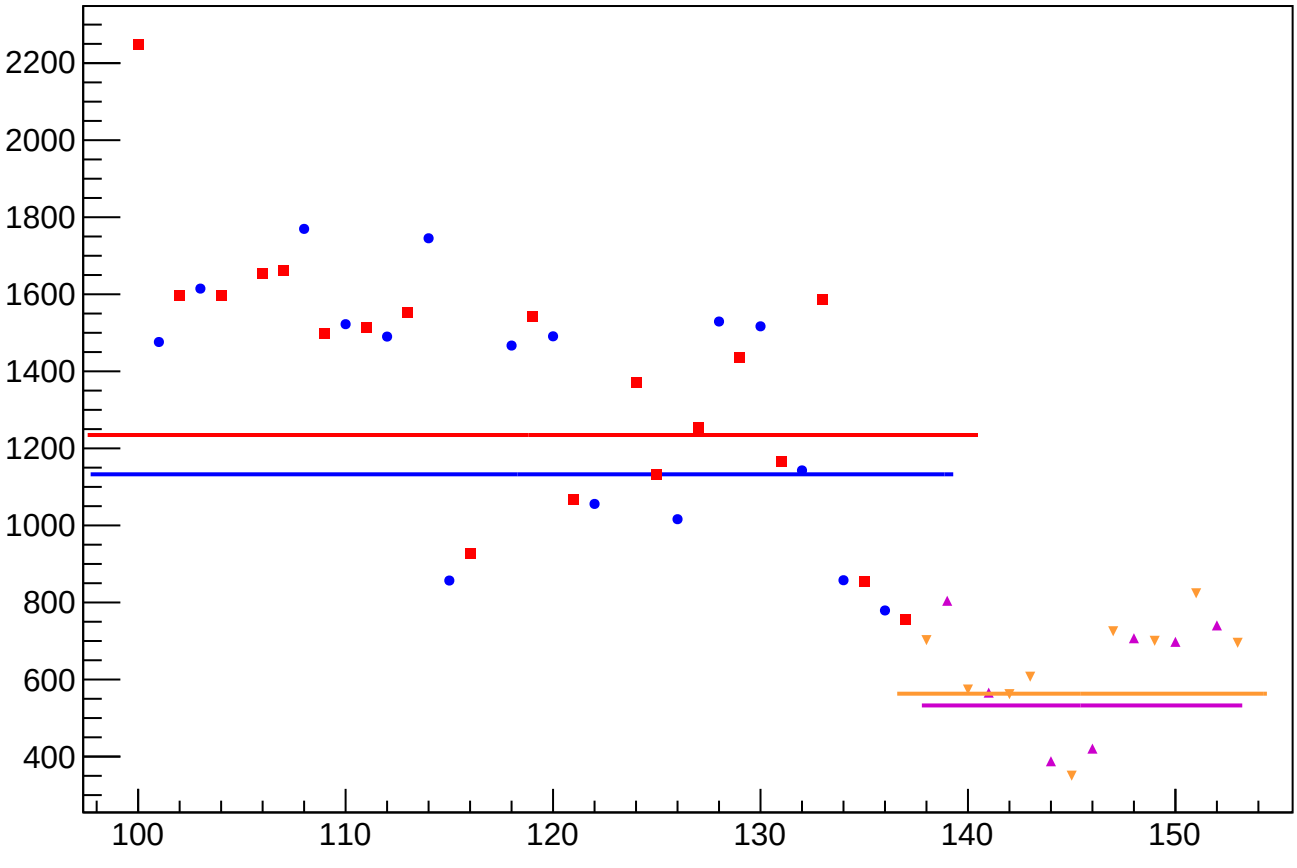
Left: -343.475+/-158.319 χ^2/NDF: 33.3/15

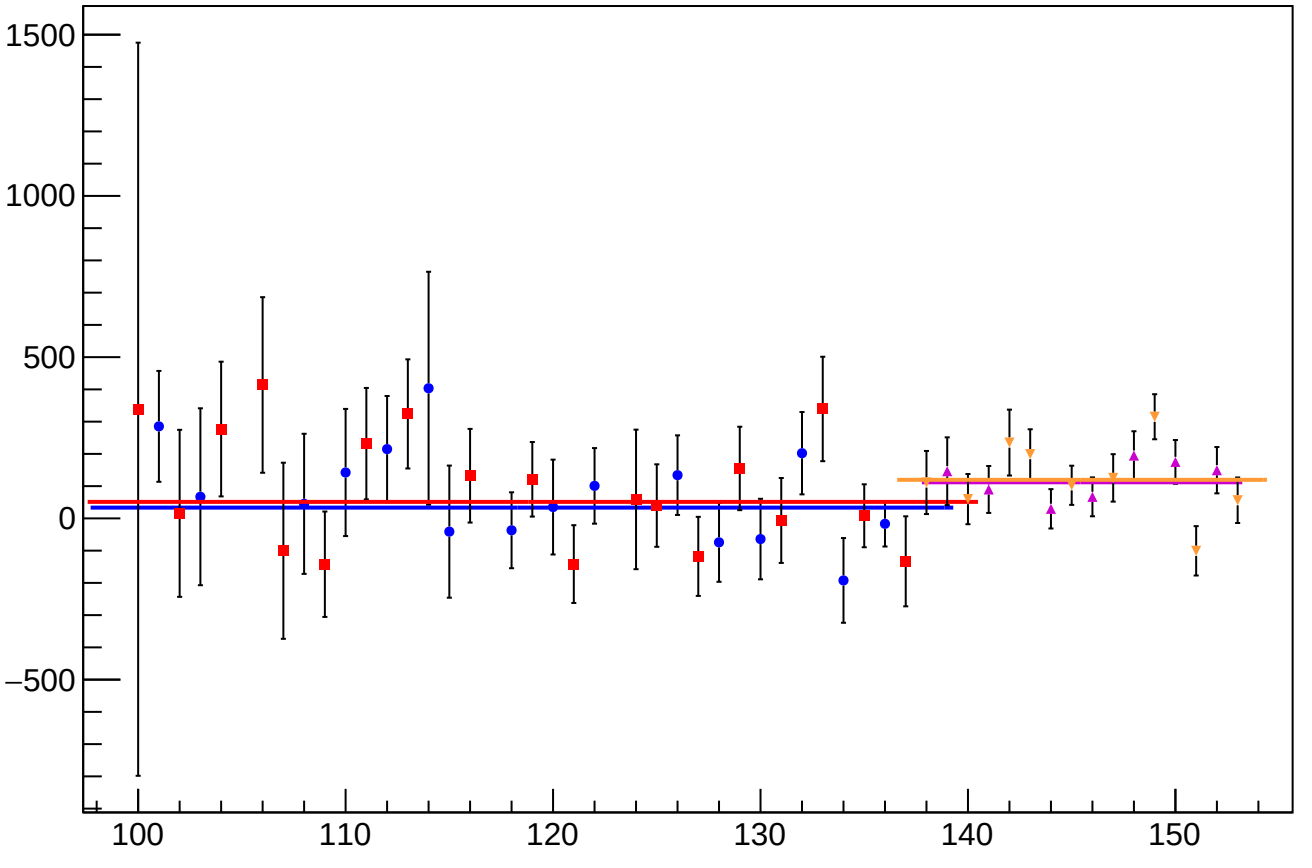
Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -212.548+/-200.763 χ^2/NDF:29.7/22

Out: -400.665+/-200.863 χ^2/NDF:41.0/27

All: -306.560+/-141.997 χ^2/NDF: 71.2/50


asym_sam_3726_avg_cor_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
600
400
100
110
120
130
140
150
Right In: 1132.689+/-0.312 χ²/NDF: 1124187.2/15
Left Out: 563.232+/-0.157 χ²/NDF:1021443.3/8
Right Out: 1234.709+/-0.331 χ²/NDF: 876272.4/18
Left In: 532.709+/-0.159 χ²/NDF:895386.2/6
Left: 548.186+/-0.112 χ²/NDF: 1935410.9/15
Right: 1180.601+/-0.227 χ²/NDF: 2050749.6/34
In: 657.114+/-0.142 χ²/NDF:4955314.9/22
Out: 686.639+/-0.142 χ²/NDF:5250483.6/27
All: 671.869+/-0.100 χ²/NDF: 10227415.9/50



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 119.609+/-25.274 χ^2/NDF:19.9/8

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 111.948+/-26.634 χ^2/NDF:4.9/6

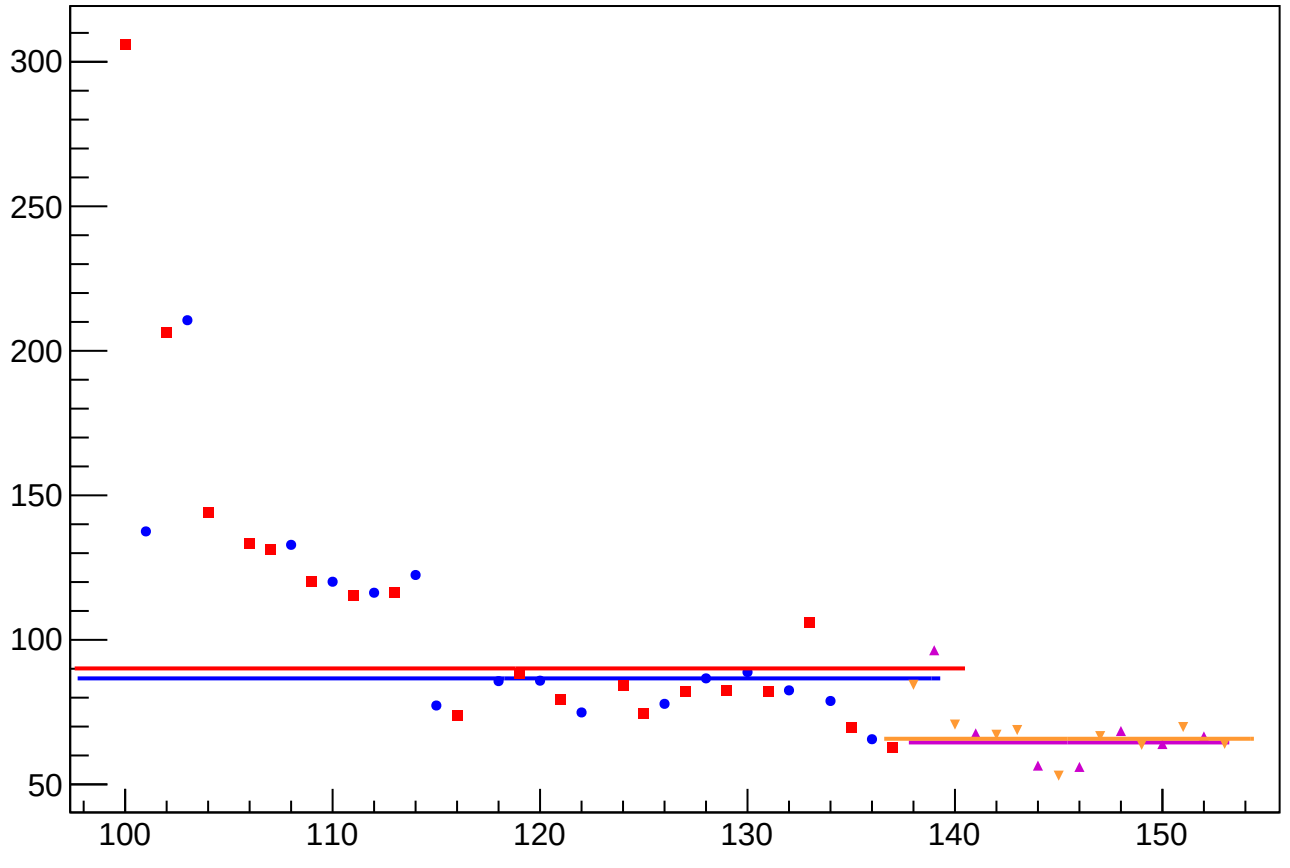
Left: 115.979+/-18.333 χ^2/NDF: 24.9/15

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 81.956+/-20.939 χ^2/NDF:21.1/22

Out: 96.029+/-20.461 χ^2/NDF:42.0/27

All: 89.155+/-14.634 χ^2/NDF: 63.3/50



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 65.782+/-0.018 χ^2/NDF:181645.2/8

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 64.503+/-0.019 χ^2/NDF:269187.2/6

Left: 65.176+/-0.013 χ^2/NDF: 453257.9/15

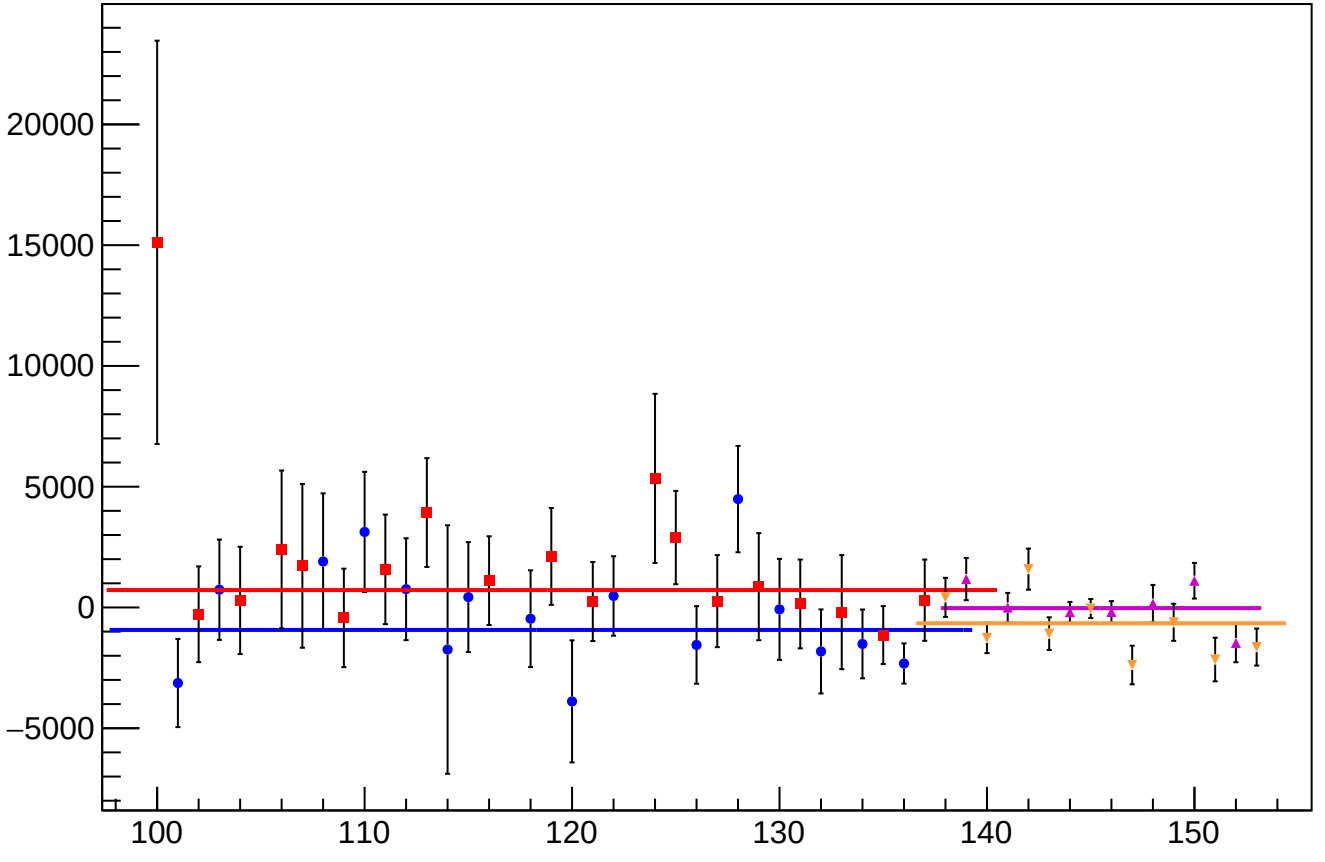
Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 72.968+/-0.015 χ^2/NDF:1836930.5/22

Out: 74.168+/-0.014 χ^2/NDF:1965856.0/27

All: 73.582+/-0.010 χ^2/NDF: 3806145.5/50

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: -653.137+/-222.330 χ^2/NDF:21.5/8

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: -24.926+/-225.498 χ^2/NDF:7.9/6

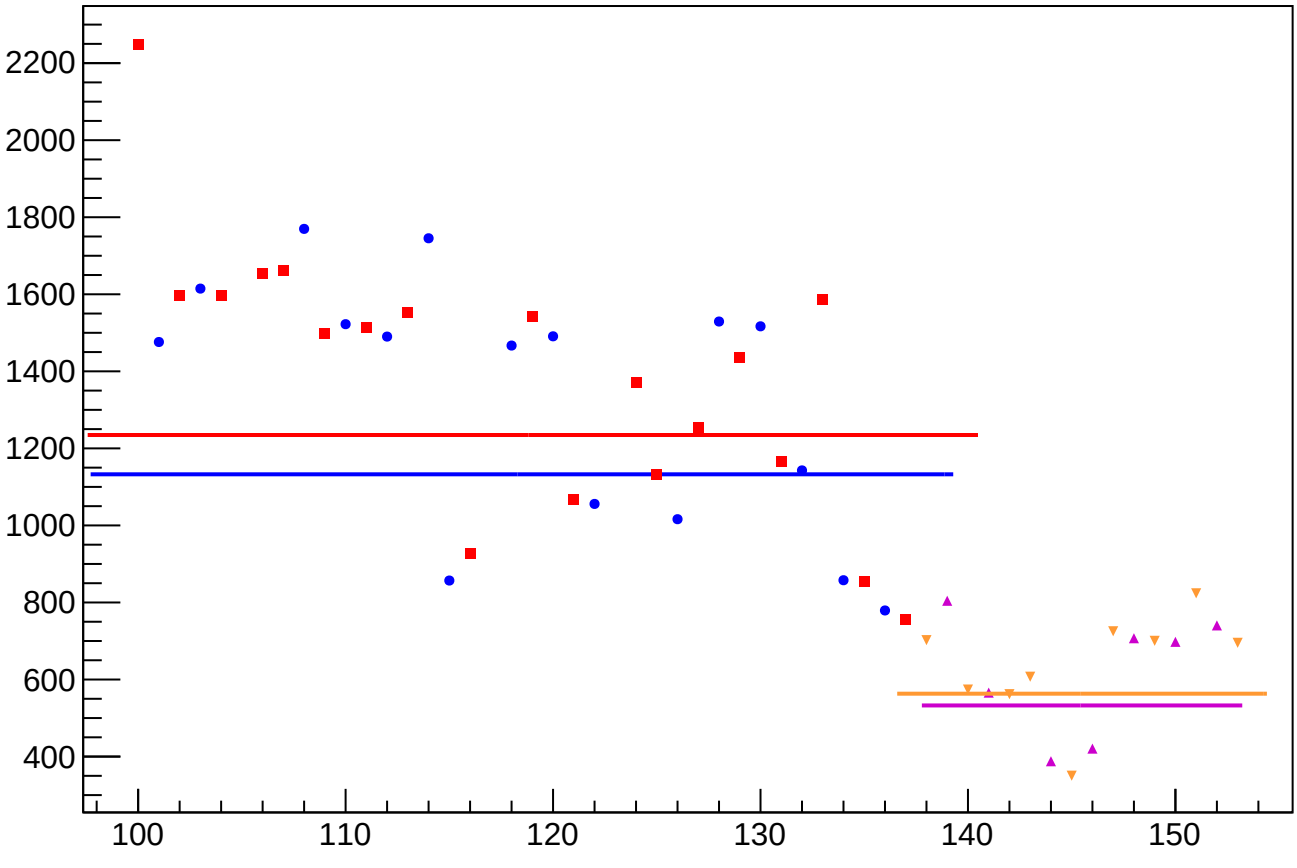
Left: -343.475+/-158.319 χ^2/NDF: 33.3/15

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -212.548+/-200.763 χ^2/NDF:29.7/22

Out: -400.665+/-200.863 χ^2/NDF:41.0/27

All: -306.560+/-141.997 χ^2/NDF: 71.2/50



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 563.232+/-0.157 χ^2/NDF:1021443.3/8

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 532.709+/-0.159 χ^2/NDF:895386.2/6

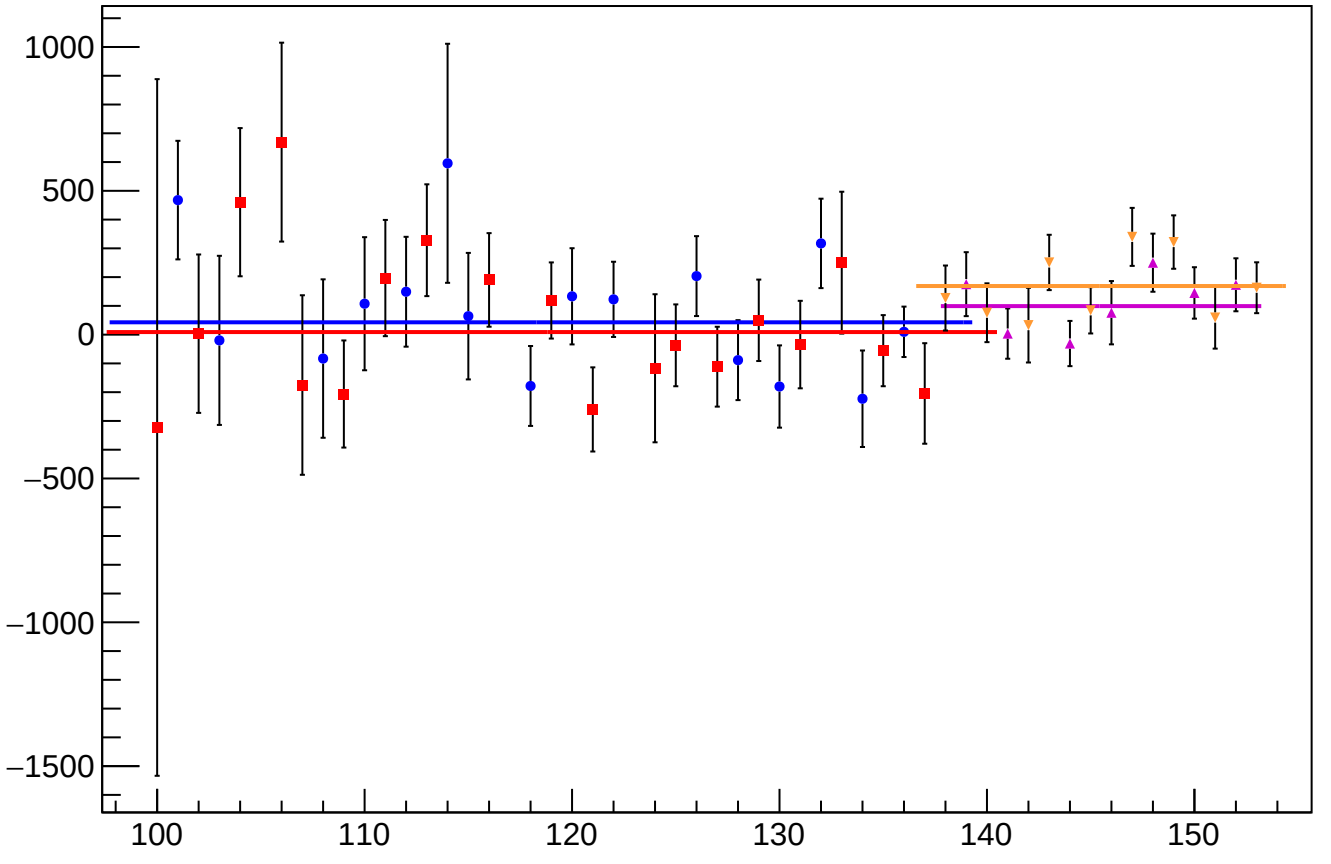
Left: 548.186+/-0.112 χ^2/NDF: 1935410.9/15

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 657.114+/-0.142 χ^2/NDF:4955314.9/22

Out: 686.639+/-0.142 χ^2/NDF:5250483.6/27

All: 671.869+/-0.100 χ^2/NDF: 10227415.9/50



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 169.034+/-32.901 χ^2/NDF:10.5/8

Right Out: 8.989+/-41.060 χ^2/NDF: 21.3/18

Left In: 99.230+/-35.415 χ^2/NDF:7.6/6

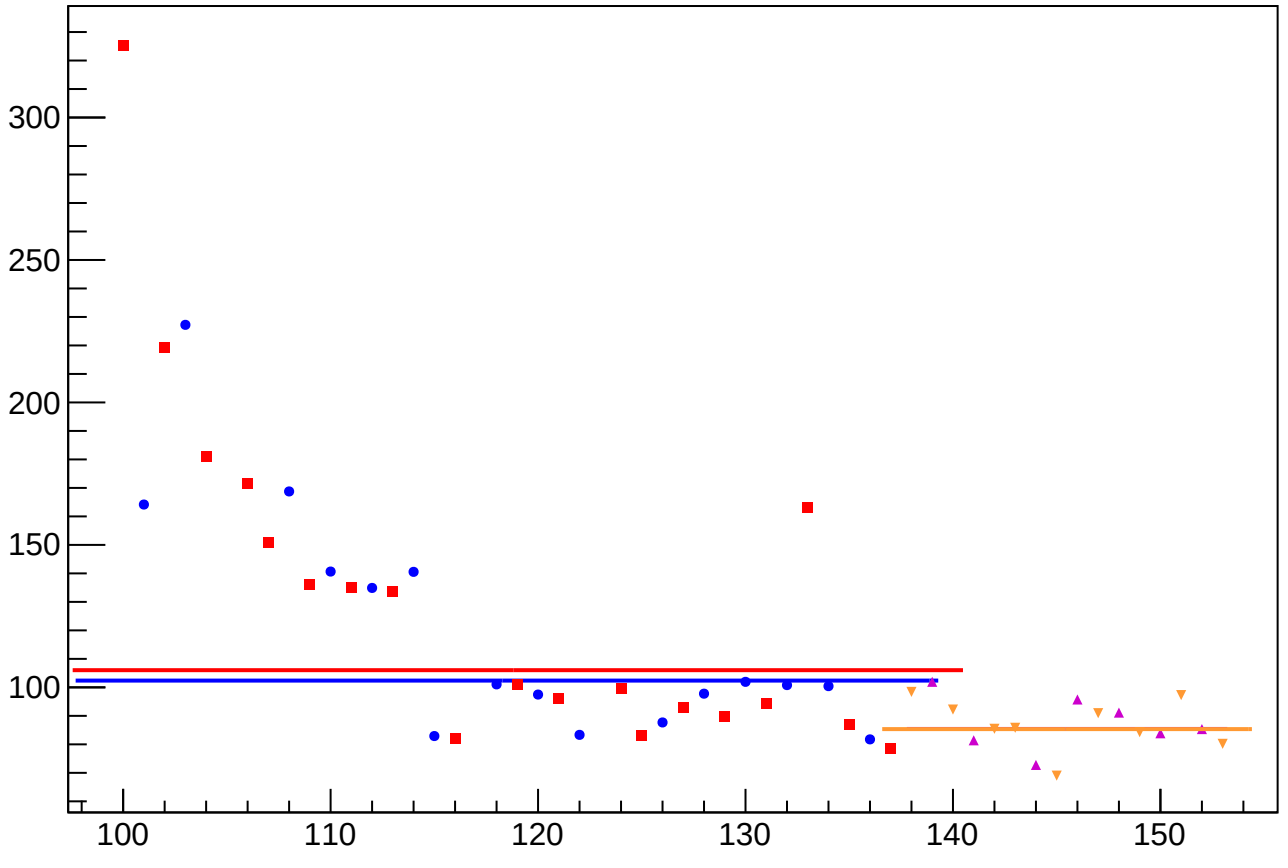
Left: 136.697+/-24.104 χ^2/NDF: 20.2/15

Right: 26.417+/-28.632 χ^2/NDF: 42.0/34

In: 74.447+/-26.501 χ^2/NDF:29.0/22

Out: 106.454+/-25.675 χ^2/NDF:41.1/27

All: 90.956+/-18.440 χ^2/NDF: 70.9/50



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 85.350+/-0.023 χ^2/NDF:155799.5/8

Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 85.403+/-0.025 χ^2/NDF:124771.3/6

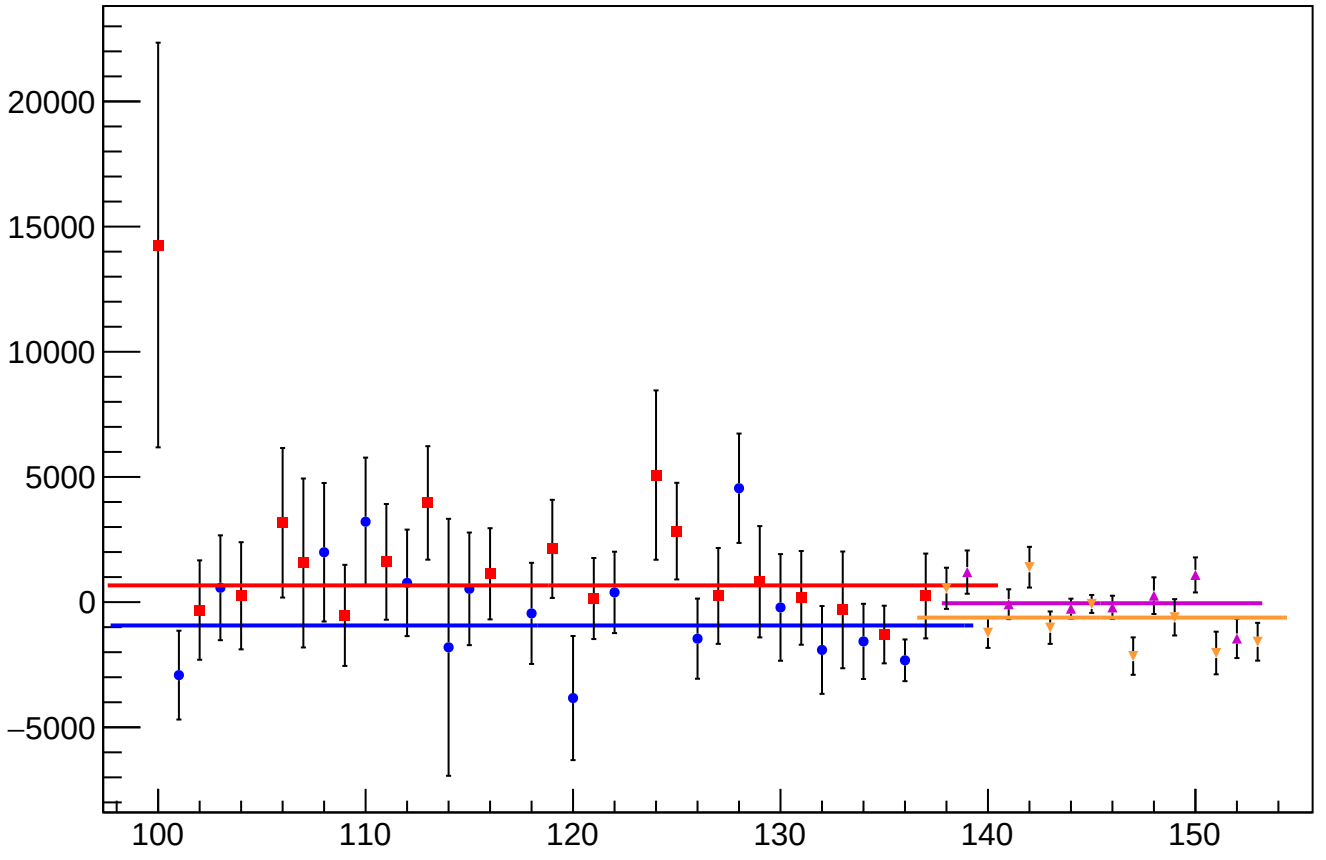
Left: 85.375+/-0.017 χ^2/NDF: 280573.2/15

Right: 104.155+/-0.020 χ^2/NDF: 2181742.7/34

In: 92.873+/-0.019 χ^2/NDF:1309300.2/22

Out: 93.437+/-0.018 χ^2/NDF:1656124.8/27

All: 93.164+/-0.013 χ^2/NDF: 2965892.1/50



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -617.925+/-209.893 χ^2/NDF:20.5/8

Right Out: 668.521+/-463.213 χ^2/NDF: 13.5/18

Left In: -44.885+/-220.441 χ^2/NDF:8.5/6

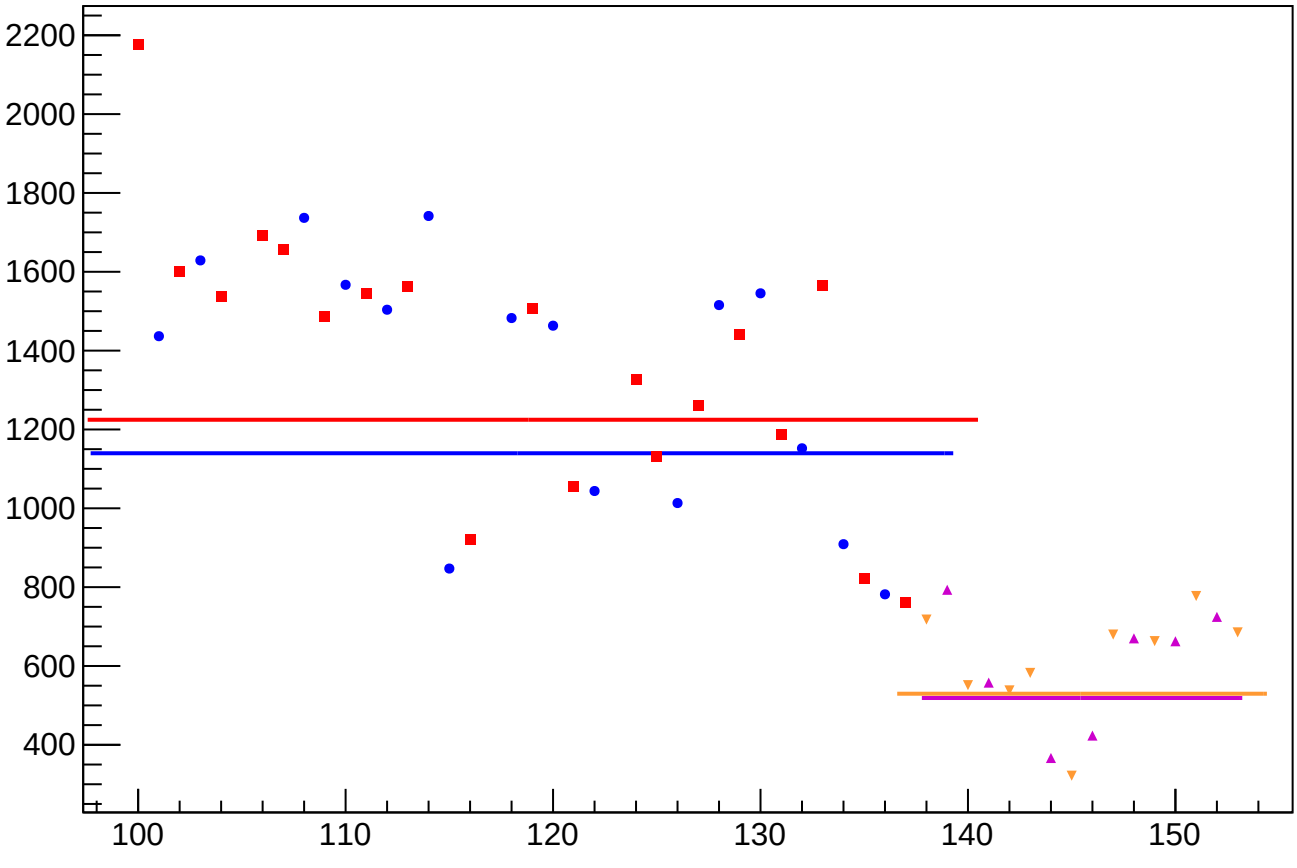
Left: -345.442+/-152.009 χ^2/NDF: 32.6/15

Right: -168.117+/-320.052 χ^2/NDF: 38.2/34

In: -221.203+/-197.333 χ^2/NDF:30.2/22

Out: -398.783+/-191.182 χ^2/NDF:40.3/27

All: -312.803+/-137.309 χ^2/NDF: 71.0/50



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 529.656+/-0.148 χ^2/NDF:1193937.5/8

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

Left In: 518.785+/-0.156 χ^2/NDF:893221.9/6

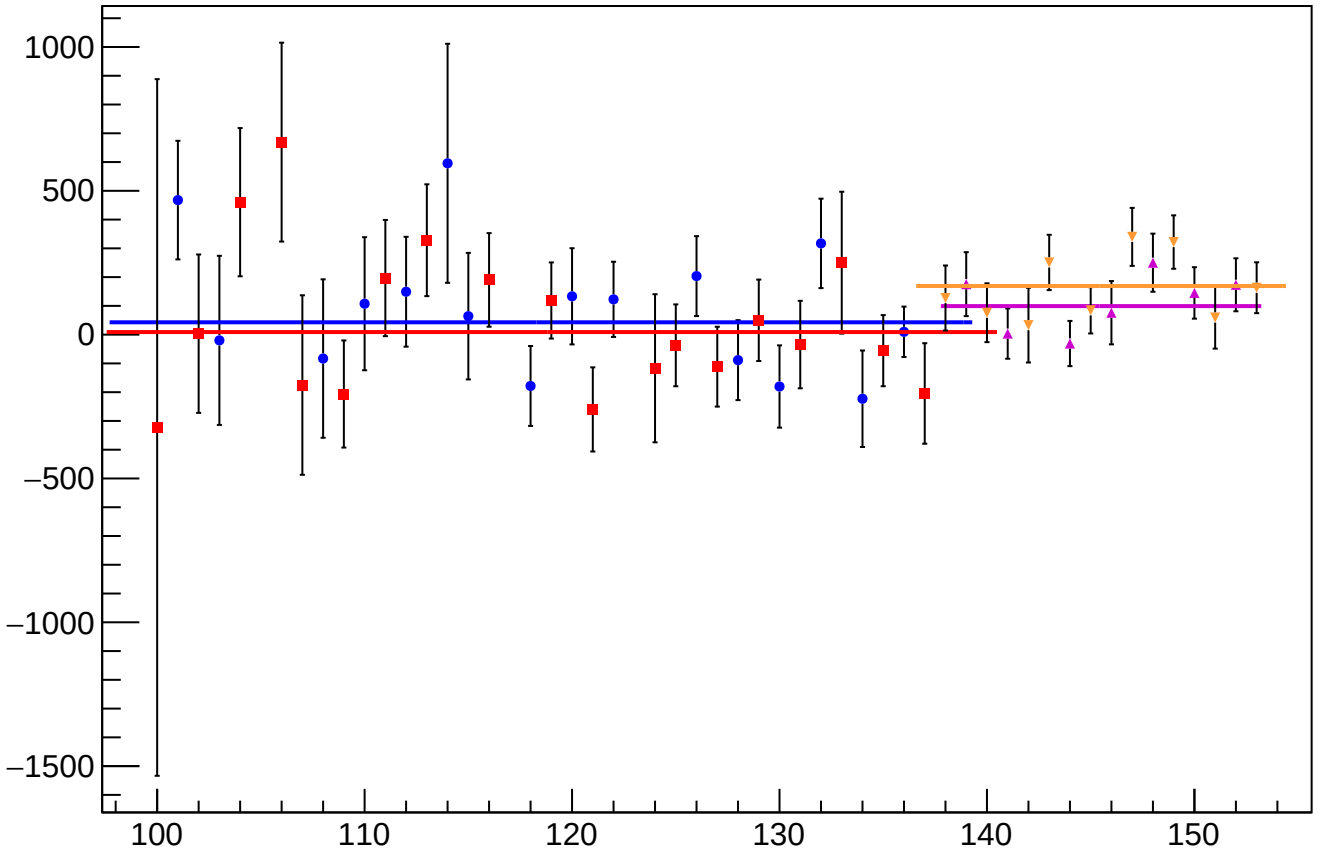
Left: 524.486+/-0.107 χ^2/NDF: 2089710.4/15

Right: 1180.226+/-0.226 χ^2/NDF: 2050976.5/34

In: 642.133+/-0.140 χ^2/NDF:5138590.0/22

Out: 648.043+/-0.135 χ^2/NDF:5851511.4/27

All: 645.182+/-0.097 χ^2/NDF: 10991026.9/50



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 169.034+/-32.901 χ^2/NDF:10.5/8

Right Out: 8.986+/-41.060 χ^2/NDF: 21.3/18

Left In: 99.229+/-35.415 χ^2/NDF:7.6/6

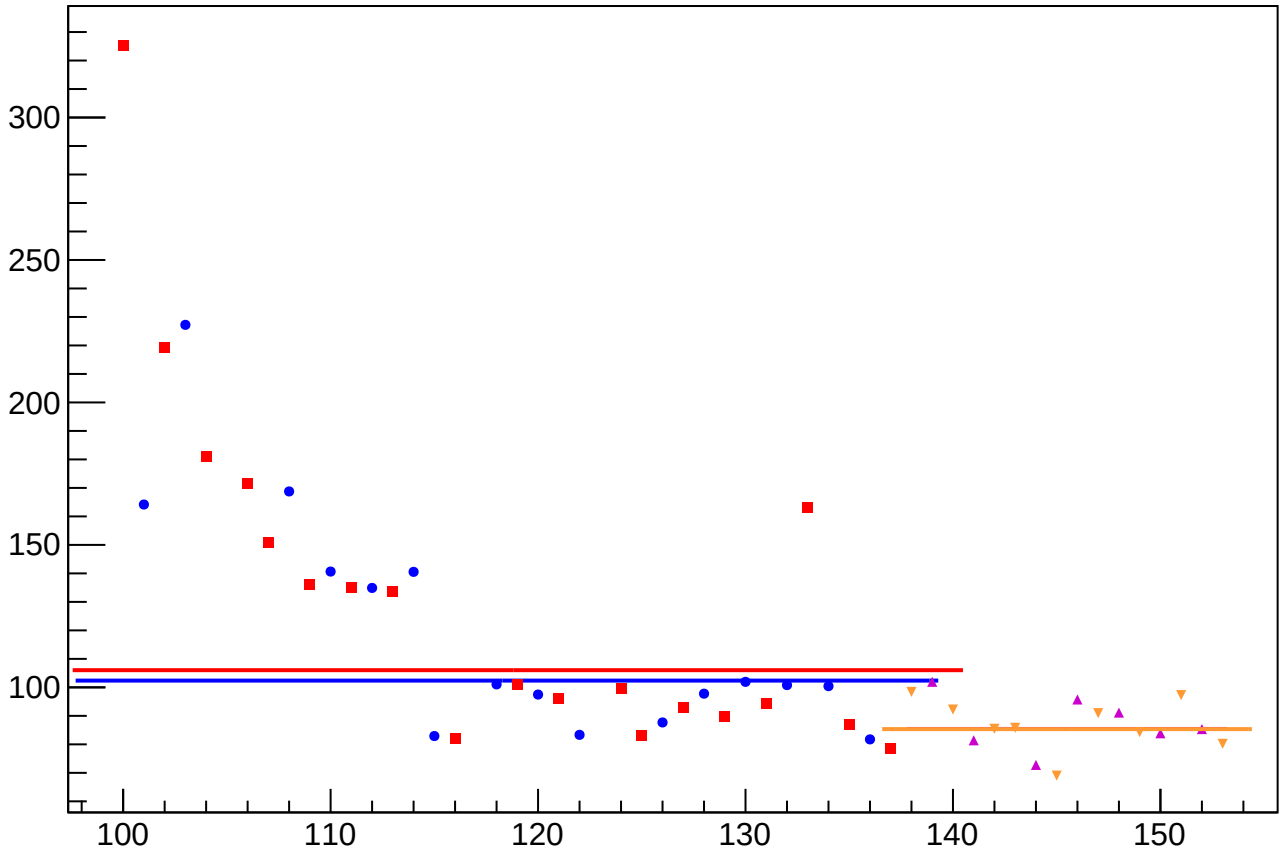
Left: 136.697+/-24.105 χ^2/NDF: 20.2/15

Right: 26.416+/-28.632 χ^2/NDF: 42.0/34

In: 74.447+/-26.501 χ^2/NDF:29.0/22

Out: 106.452+/-25.675 χ^2/NDF:41.1/27

All: 90.955+/-18.440 χ^2/NDF: 70.9/50



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 85.351+/-0.023 χ^2/NDF:155791.9/8

Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 85.403+/-0.025 χ^2/NDF:124768.7/6

Left: 85.375+/-0.017 χ^2/NDF: 280563.1/15

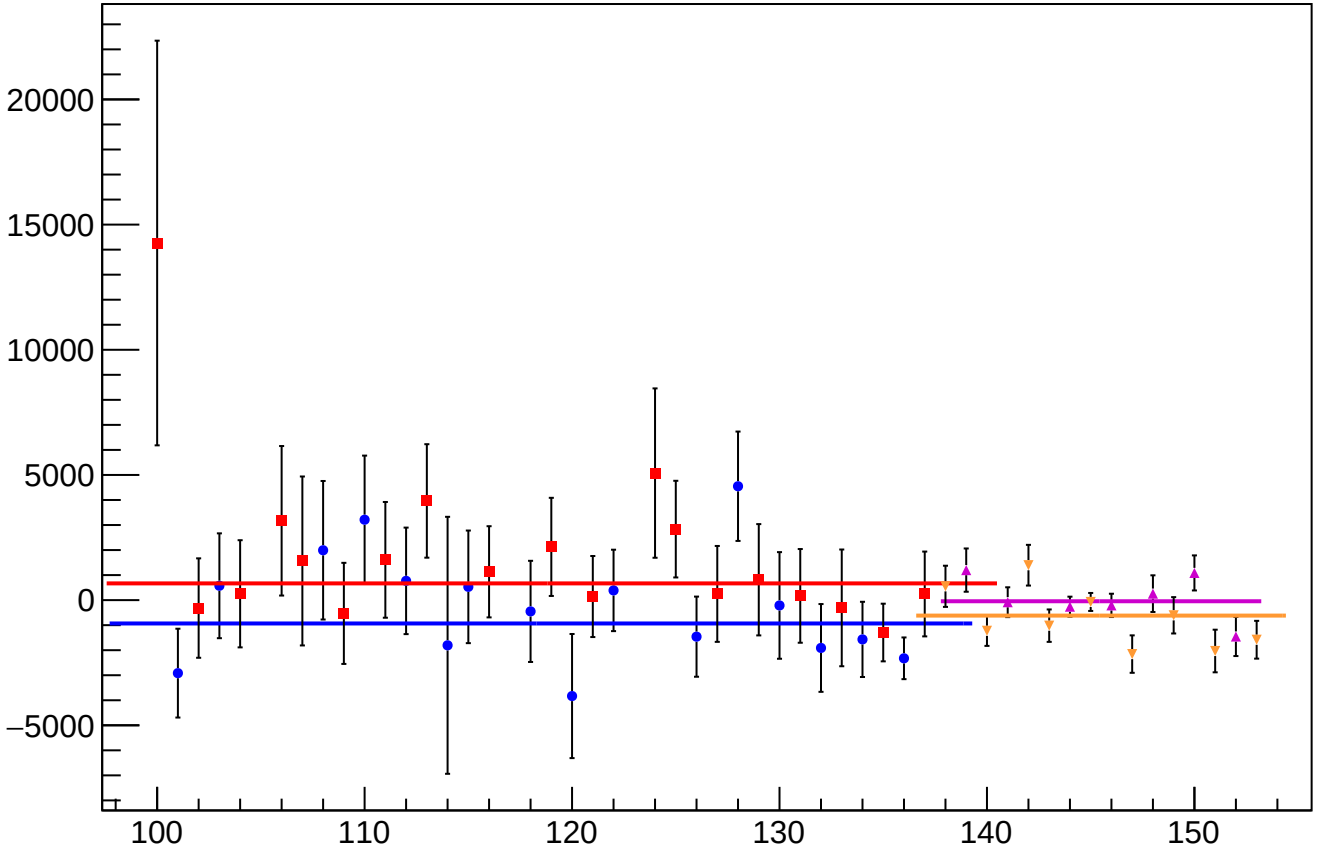
Right: 104.155+/-0.020 χ^2/NDF: 2181741.7/34

In: 92.874+/-0.019 χ^2/NDF:1309276.6/22

Out: 93.438+/-0.018 χ^2/NDF:1656103.2/27

All: 93.164+/-0.013 χ^2/NDF: 2965847.0/50

asym_sam_3726_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -932.377+/-442.724 χ^2/NDF: 18.5/15

Left Out: -617.925+/-209.893 χ^2/NDF:20.5/8

Right Out: 668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: -44.885+/-220.441 χ^2/NDF:8.5/6

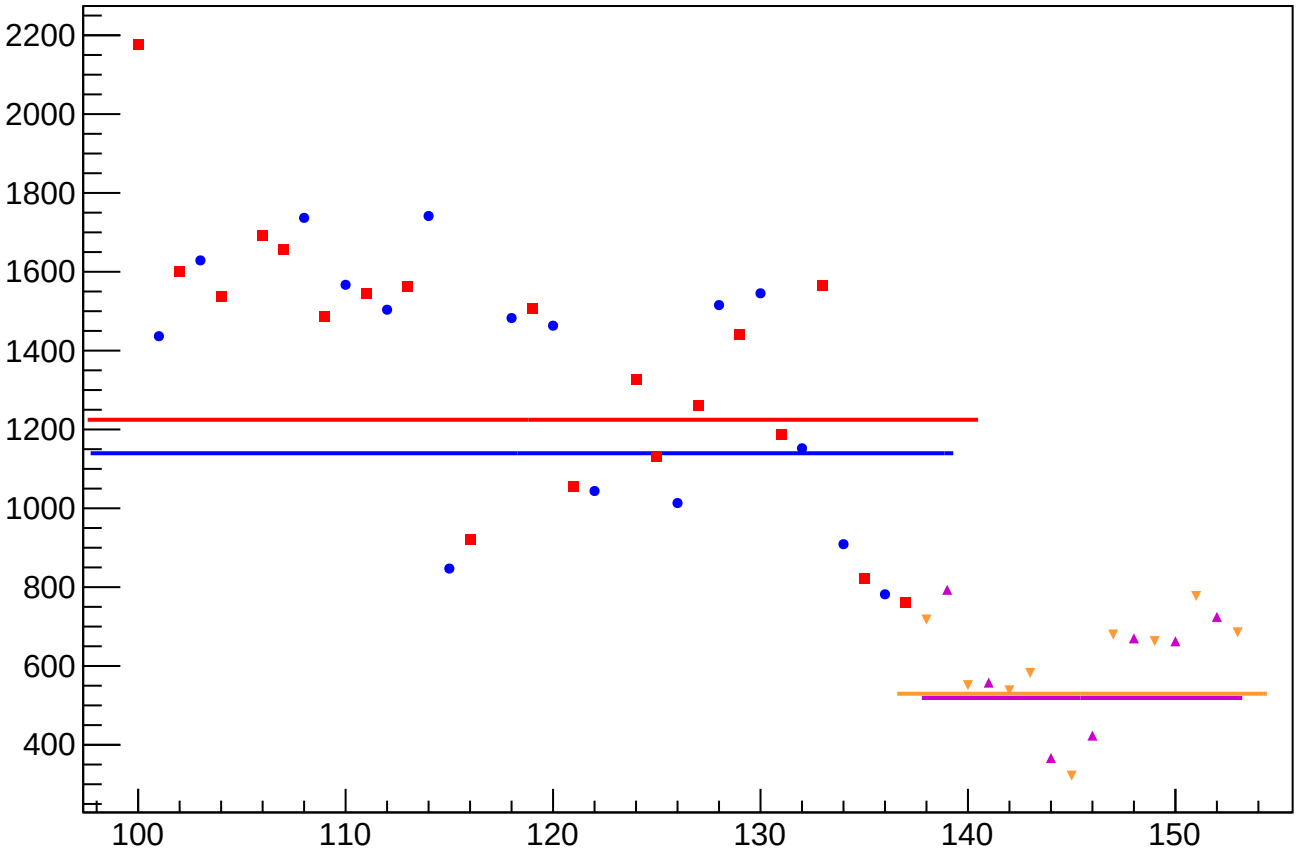
Left: -345.442+/-152.009 χ^2/NDF: 32.6/15

Right: -168.114+/-320.051 χ^2/NDF: 38.2/34

In: -221.202+/-197.332 χ^2/NDF:30.2/22

Out: -398.783+/-191.182 χ^2/NDF:40.3/27

All: -312.803+/-137.309 χ^2/NDF: 71.0/50



Right In: 1139.656+/-0.313 χ^2/NDF: 1093397.5/15

Left Out: 529.654+/-0.148 χ^2/NDF:1193952.3/8

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

Left In: 518.784+/-0.156 χ^2/NDF:893225.3/6

Left: 524.485+/-0.107 χ^2/NDF: 2089728.4/15

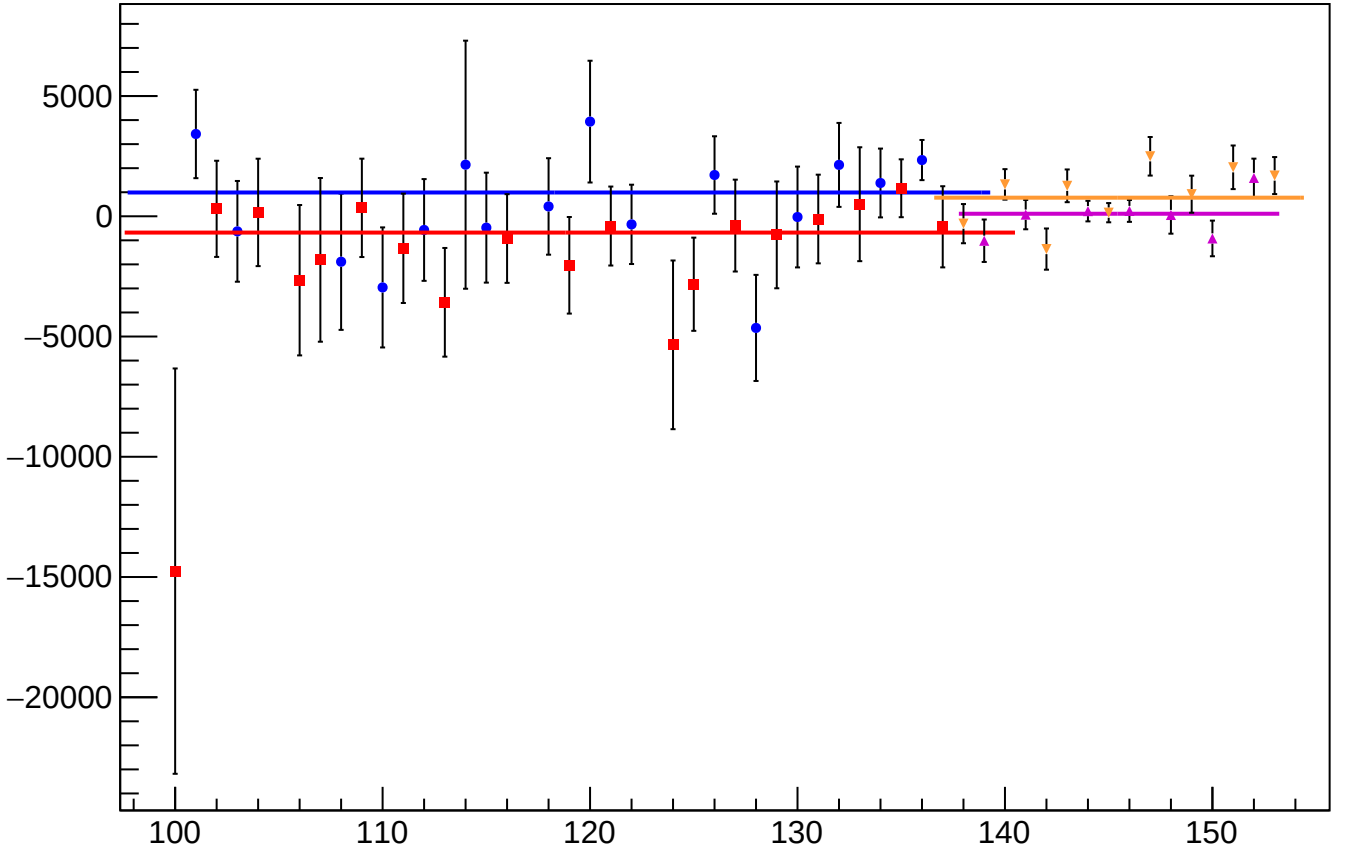
Right: 1180.225+/-0.226 χ^2/NDF: 2050952.9/34

In: 642.132+/-0.140 χ^2/NDF:5138585.8/22

Out: 648.042+/-0.135 χ^2/NDF:5851526.2/27

All: 645.180+/-0.097 χ^2/NDF: 10991037.3/50

asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 773.582+/-224.127 χ^2/NDF:19.7/8

Right Out: -677.628+/-469.652 χ^2/NDF: 11.9/18

Left In: 105.215+/-227.463 χ^2/NDF:7.1/6

Left: 444.335+/-159.648 χ^2/NDF: 31.2/15

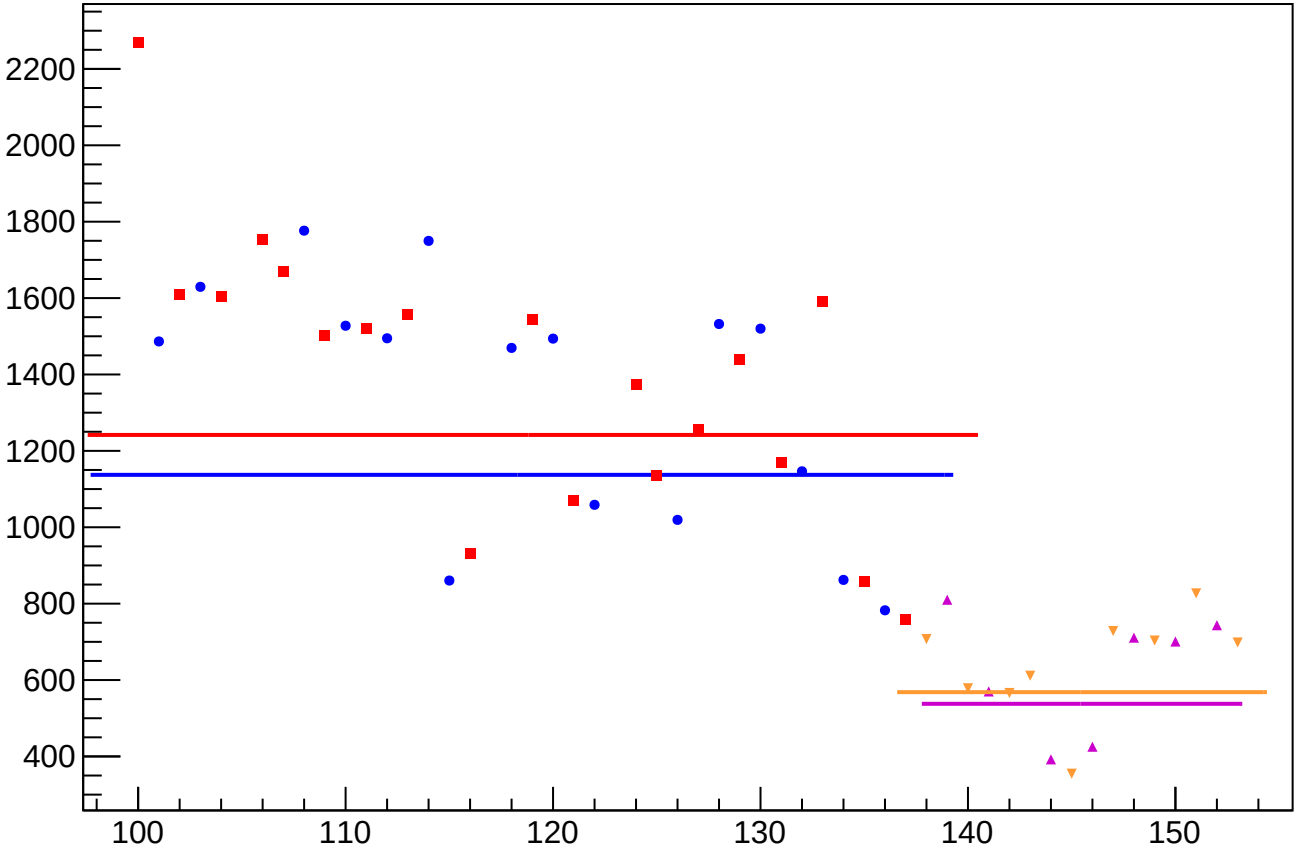
Right: 205.171+/-322.118 χ^2/NDF: 37.6/34

In: 289.913+/-202.313 χ^2/NDF:29.3/22

Out: 504.391+/-202.275 χ^2/NDF:39.4/27

All: 397.172+/-143.043 χ^2/NDF: 69.3/50

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 568.286+/-0.158 χ^2/NDF:997465.6/8

Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 537.778+/-0.161 χ^2/NDF:878236.1/6

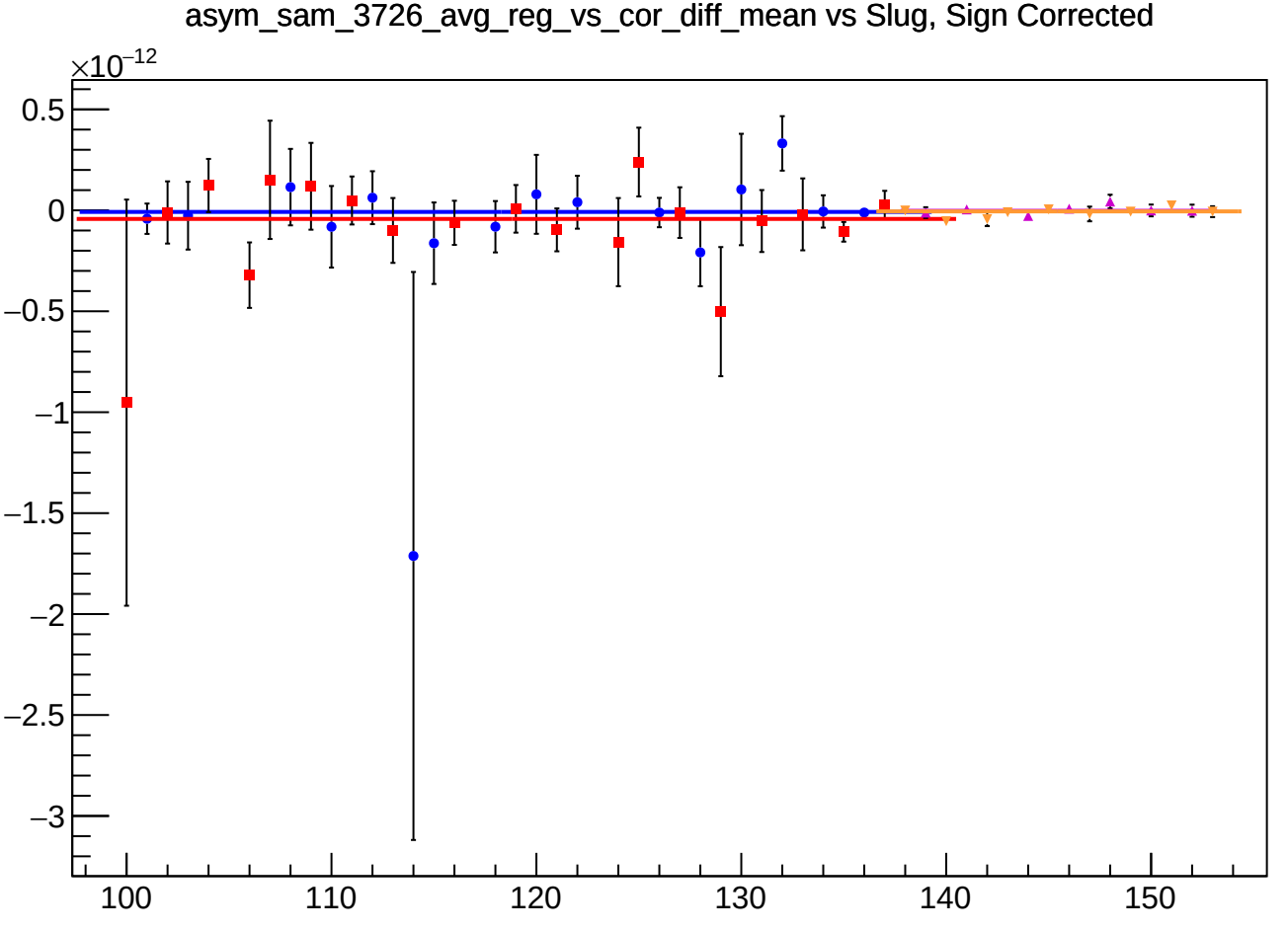
Left: 553.257+/-0.113 χ^2/NDF: 1893957.4/15

Right: 1186.373+/-0.228 χ^2/NDF: 2075531.5/34

In: 663.006+/-0.143 χ^2/NDF:4903677.1/22

Out: 693.203+/-0.143 χ^2/NDF:5246133.1/27

All: 678.107+/-0.101 χ^2/NDF: 10172091.5/50



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.6/8

Right Out: -0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: -0.000+/-0.000 χ^2/NDF:4.9/6

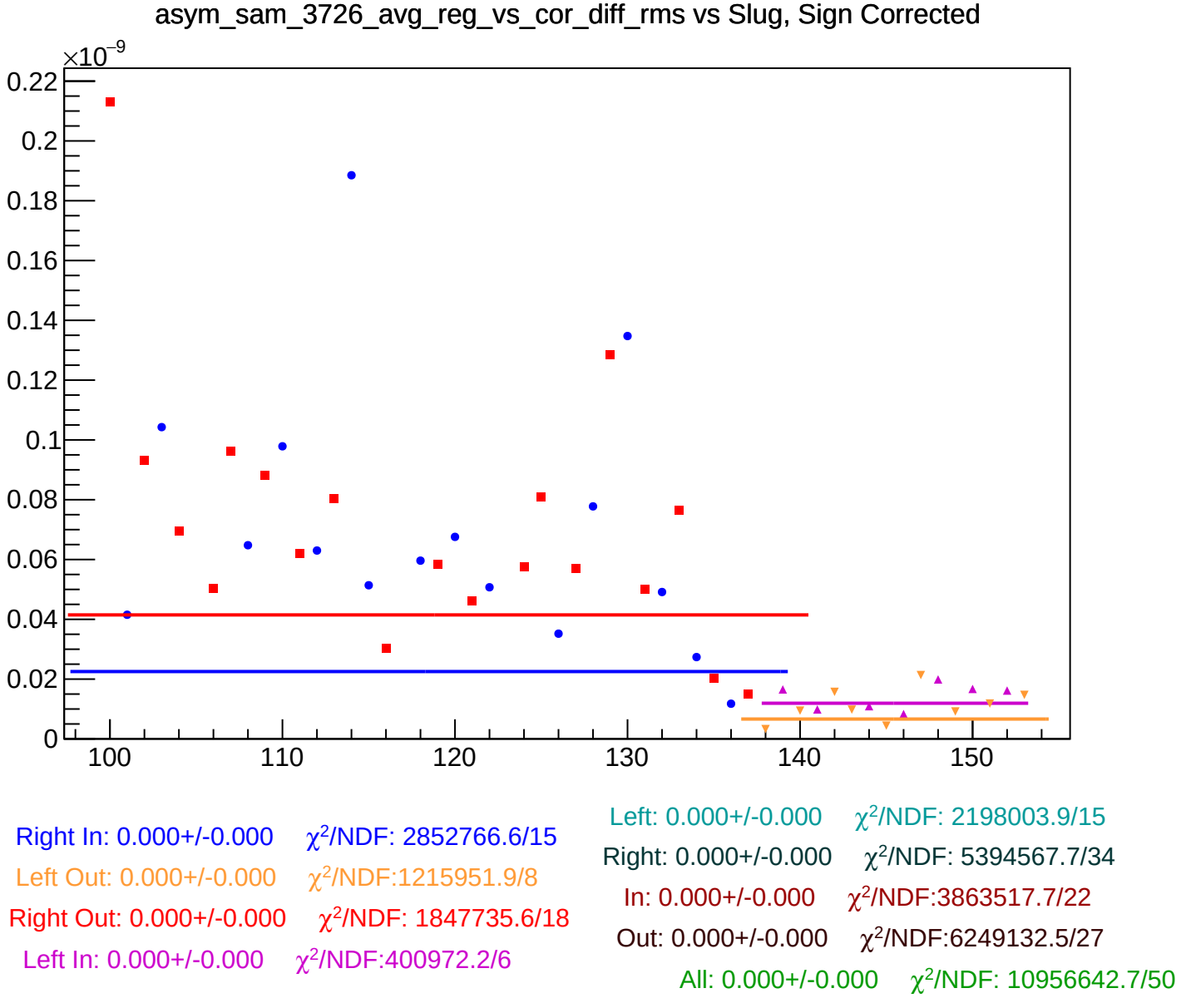
Left: -0.000+/-0.000 χ^2/NDF: 16.6/15

Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:16.7/22

Out: -0.000+/-0.000 χ^2/NDF:29.0/27

All: -0.000+/-0.000 χ^2/NDF: 45.8/50


asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.22
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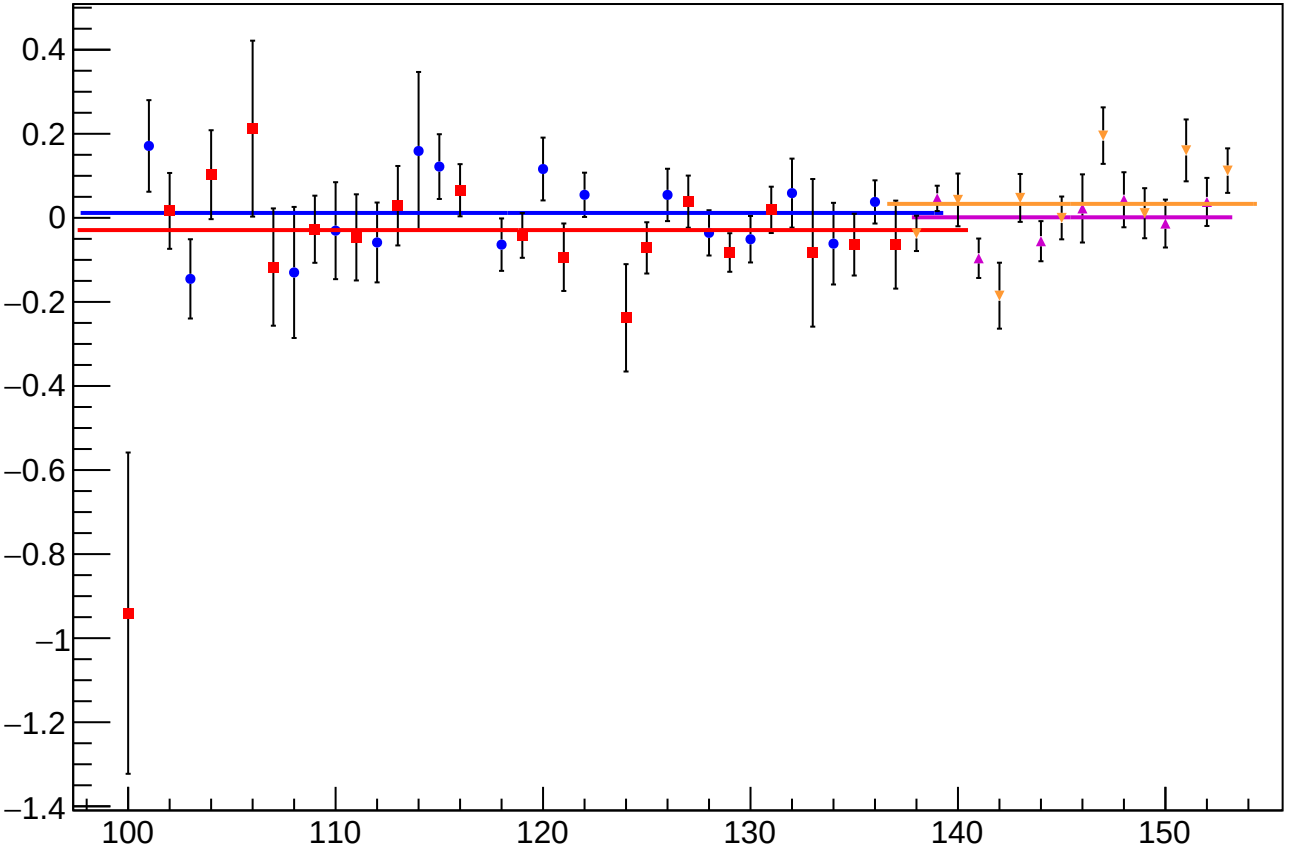
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2852766.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1215951.9/8
Right Out: 0.000+/-0.000 χ²/NDF: 1847735.6/18
Left In: 0.000+/-0.000 χ²/NDF:400972.2/6
Left: 0.000+/-0.000 χ²/NDF: 2198003.9/15
Right: 0.000+/-0.000 χ²/NDF: 5394567.7/34
In: 0.000+/-0.000 χ²/NDF:3863517.7/22
Out: 0.000+/-0.000 χ²/NDF:6249132.5/27
All: 0.000+/-0.000 χ²/NDF: 10956642.7/50

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: 0.033+/-0.019 χ^2/NDF:22.2/8

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.001+/-0.018 χ^2/NDF:8.9/6

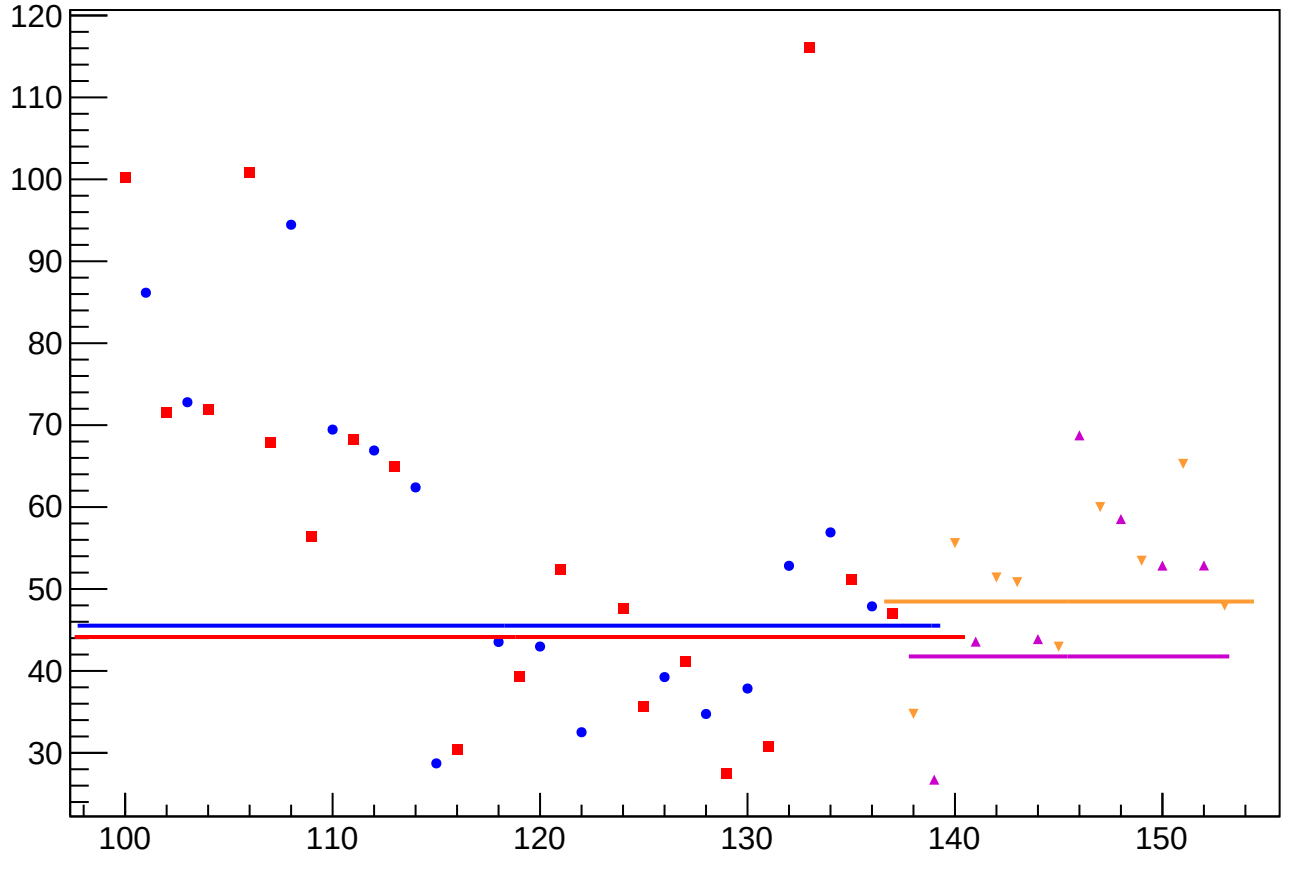
Left: 0.017+/-0.013 χ^2/NDF: 32.6/15

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.006+/-0.013 χ^2/NDF:25.9/22

Out: -0.000+/-0.013 χ^2/NDF:47.5/27

All: 0.003+/-0.009 χ^2/NDF: 73.5/50



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 48.473+/-0.014 χ^2/NDF:445268.7/8

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 41.770+/-0.013 χ^2/NDF:1009508.5/6

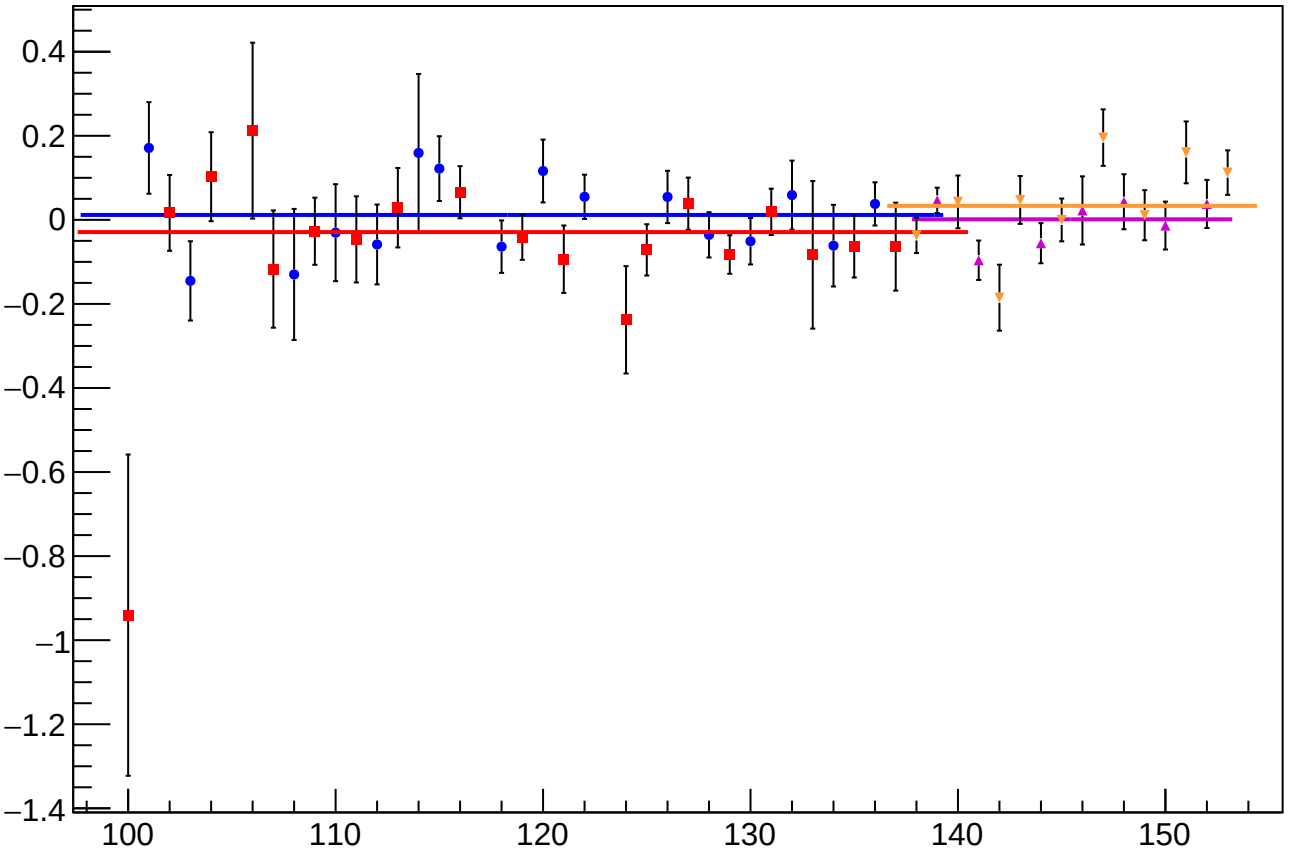
Left: 44.960+/-0.009 χ^2/NDF: 1582883.3/15

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 43.642+/-0.009 χ^2/NDF:2305600.6/22

Out: 46.156+/-0.009 χ^2/NDF:2243299.4/27

All: 44.886+/-0.007 χ^2/NDF: 4586247.8/50



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.033+/-0.019 χ^2/NDF:22.2/8

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.001+/-0.018 χ^2/NDF:8.9/6

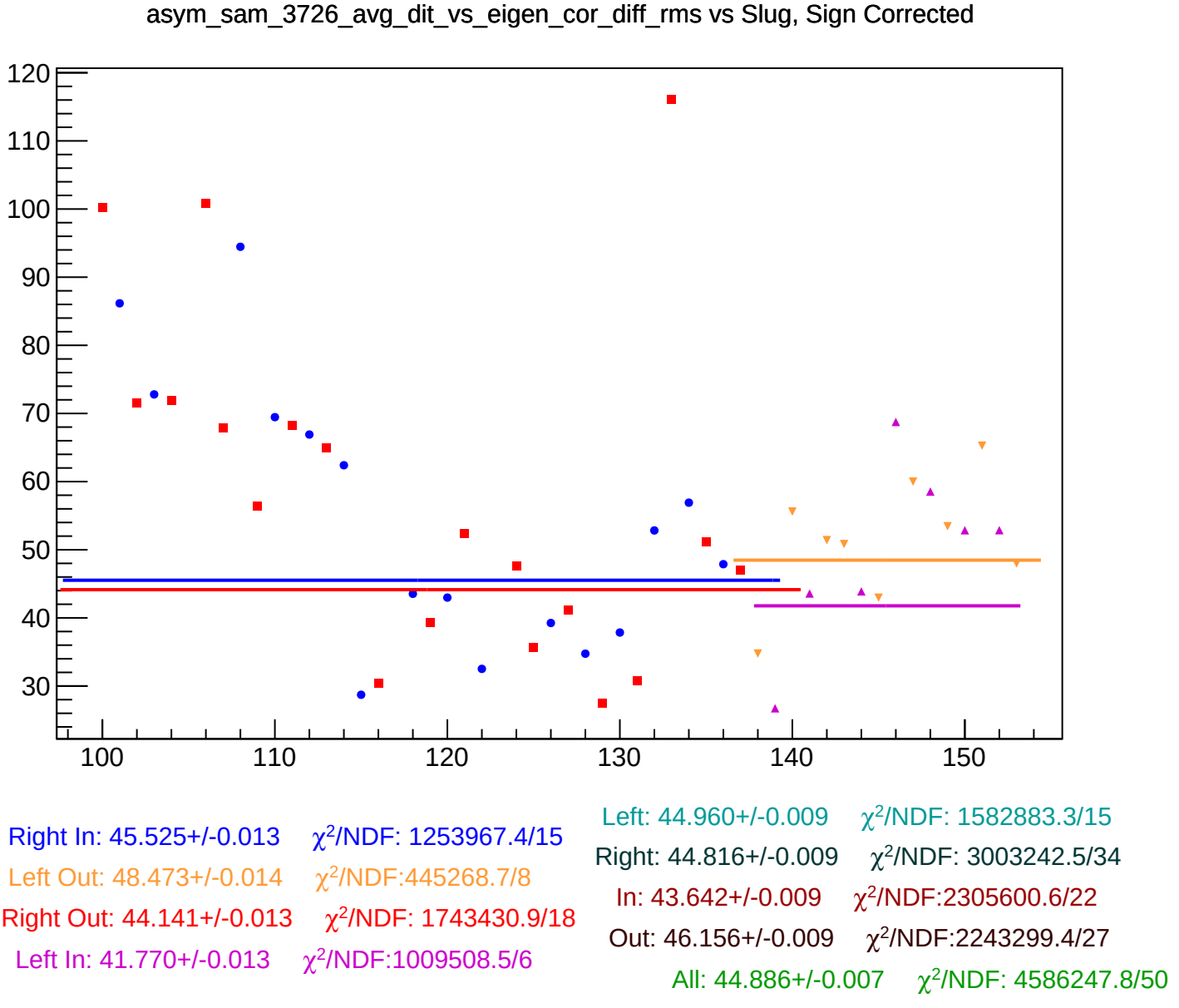
Left: 0.017+/-0.013 χ^2/NDF: 32.6/15

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.006+/-0.013 χ^2/NDF:25.9/22

Out: -0.000+/-0.013 χ^2/NDF:47.5/27

All: 0.003+/-0.009 χ^2/NDF: 73.5/50


asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
120
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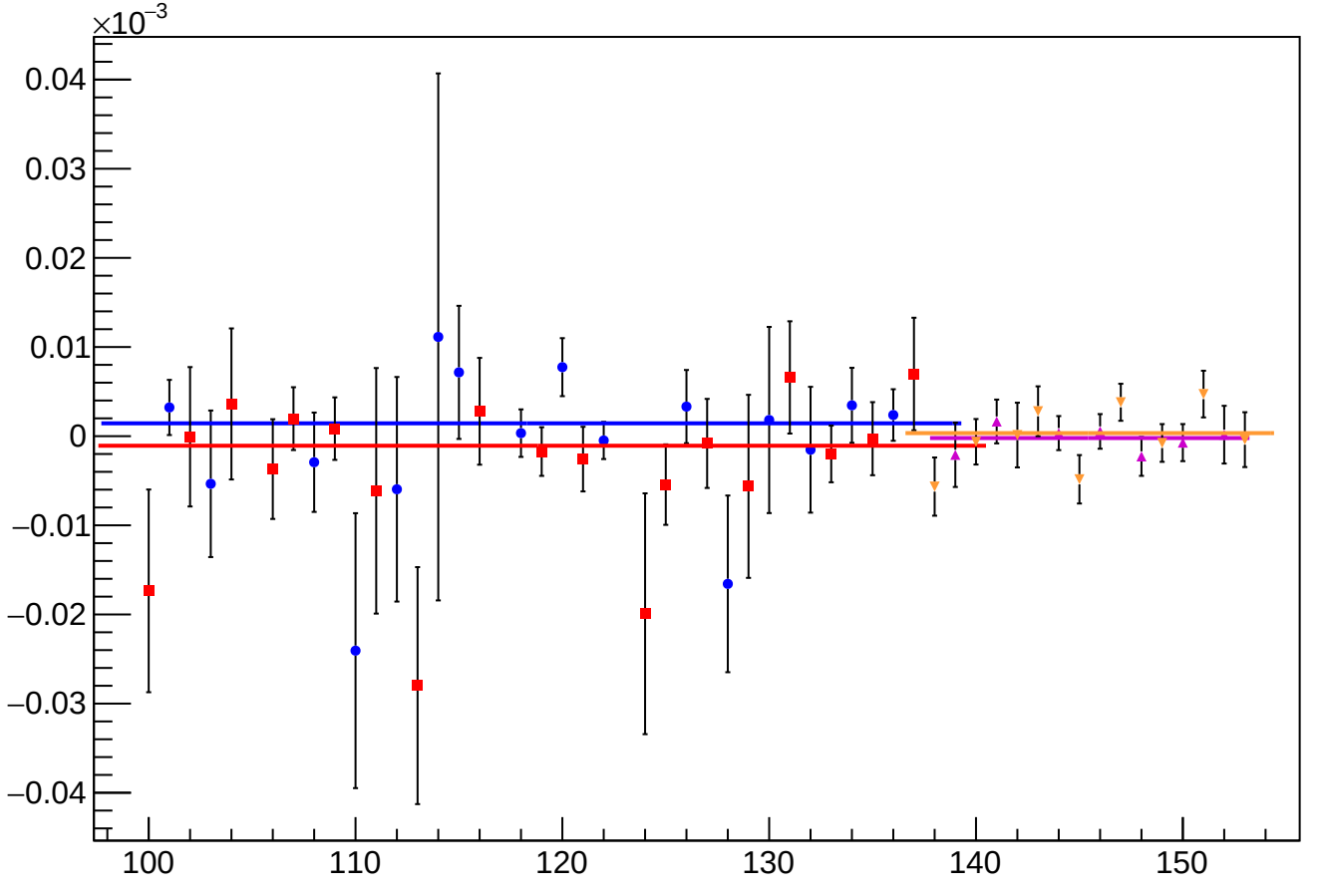
140
150
Right In: 45.525+/-0.013 χ²/NDF: 1253967.4/15
Left Out: 48.473+/-0.014 χ²/NDF:445268.7/8
Right Out: 44.141+/-0.013 χ²/NDF: 1743430.9/18
Left In: 41.770+/-0.013 χ²/NDF:1009508.5/6
Left: 44.960+/-0.009 χ²/NDF: 1582883.3/15
Right: 44.816+/-0.009 χ²/NDF: 3003242.5/34
In: 43.642+/-0.009 χ²/NDF:2305600.6/22
Out: 46.156+/-0.009 χ²/NDF:2243299.4/27
All: 44.886+/-0.007 χ²/NDF: 4586247.8/50



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/8

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:2.0/6

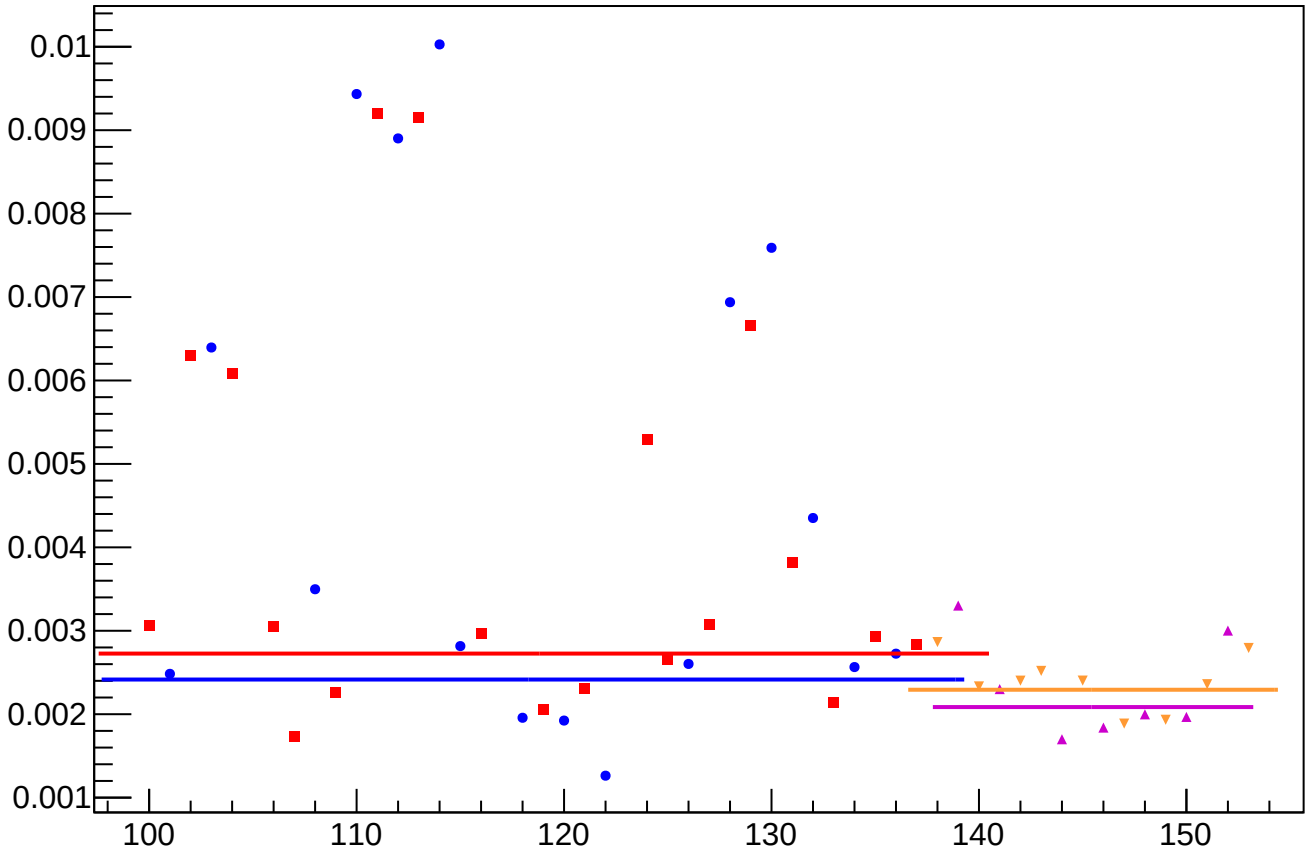
Left: 0.000+/-0.000 χ^2/NDF: 16.1/15

Right: 0.000+/-0.000 χ^2/NDF: 31.7/34

In: 0.000+/-0.000 χ^2/NDF:17.7/22

Out: -0.000+/-0.000 χ^2/NDF:29.6/27

All: 0.000+/-0.000 χ^2/NDF: 47.8/50



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF:268383.9/8

Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.002+/-0.000 χ^2/NDF:526330.1/6

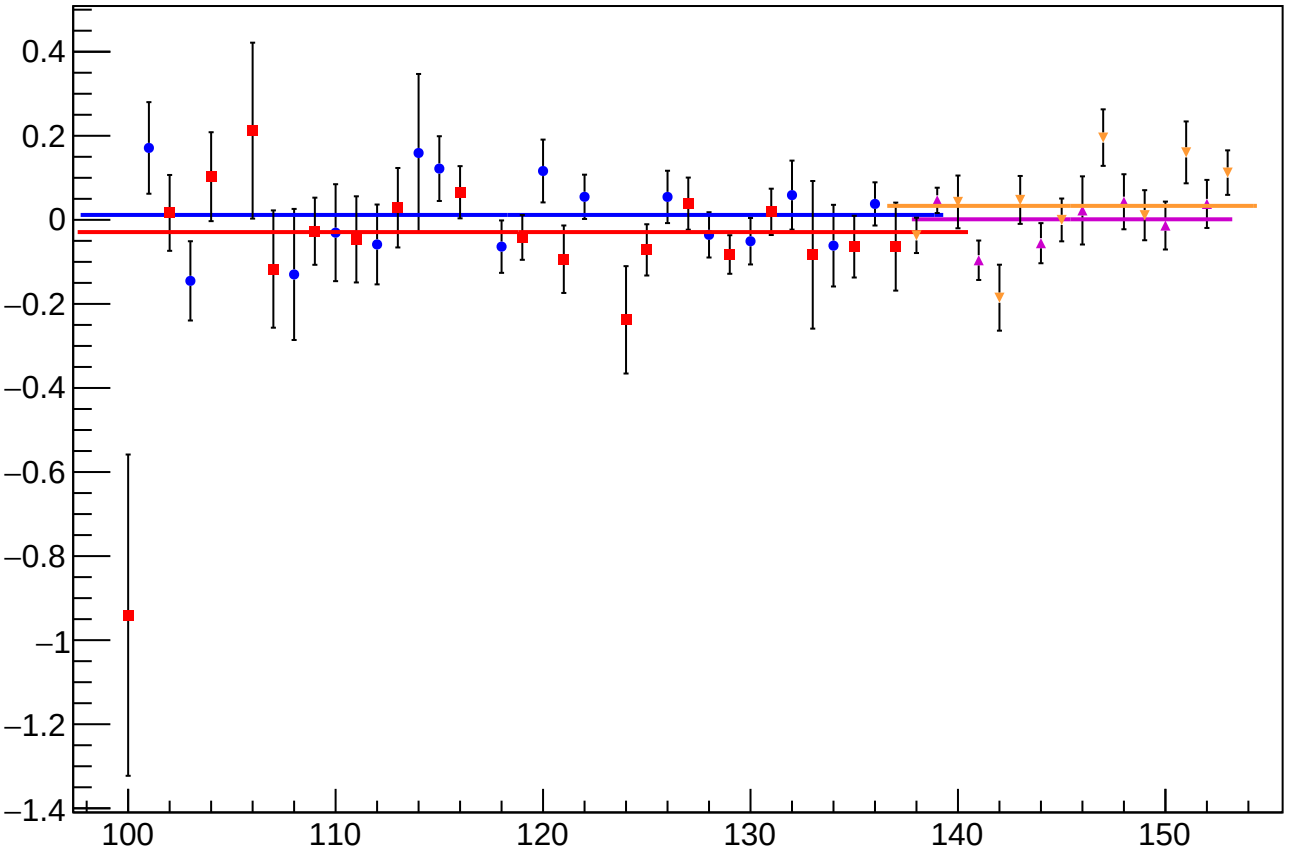
Left: 0.002+/-0.000 χ^2/NDF: 850976.9/15

Right: 0.003+/-0.000 χ^2/NDF: 6019731.5/34

In: 0.002+/-0.000 χ^2/NDF:4076526.3/22

Out: 0.002+/-0.000 χ^2/NDF:2958430.3/27

All: 0.002+/-0.000 χ^2/NDF: 7156086.7/50



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.033+/-0.019 χ^2/NDF:22.2/8

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.001+/-0.018 χ^2/NDF:8.9/6

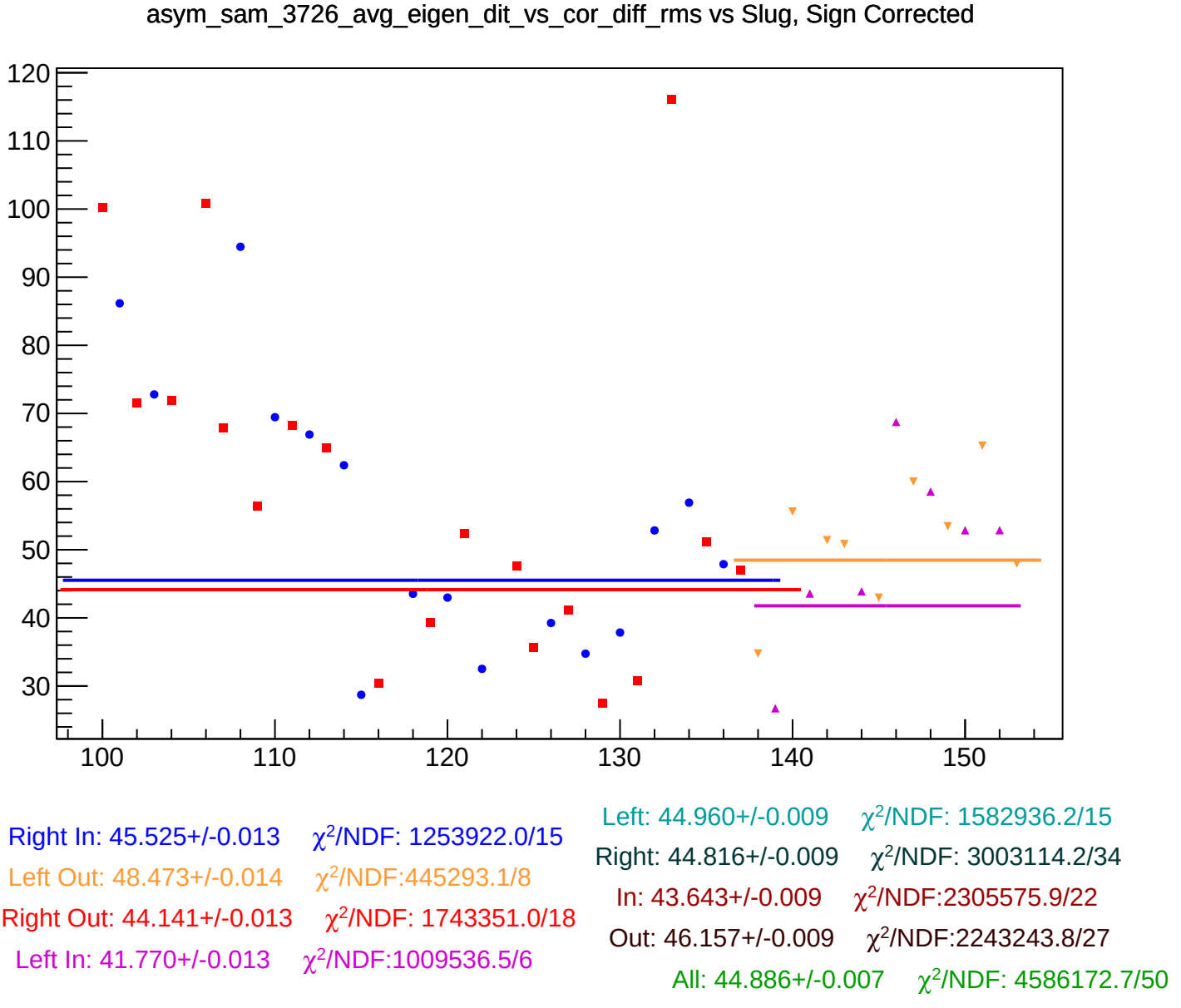
Left: 0.017+/-0.013 χ^2/NDF: 32.6/15

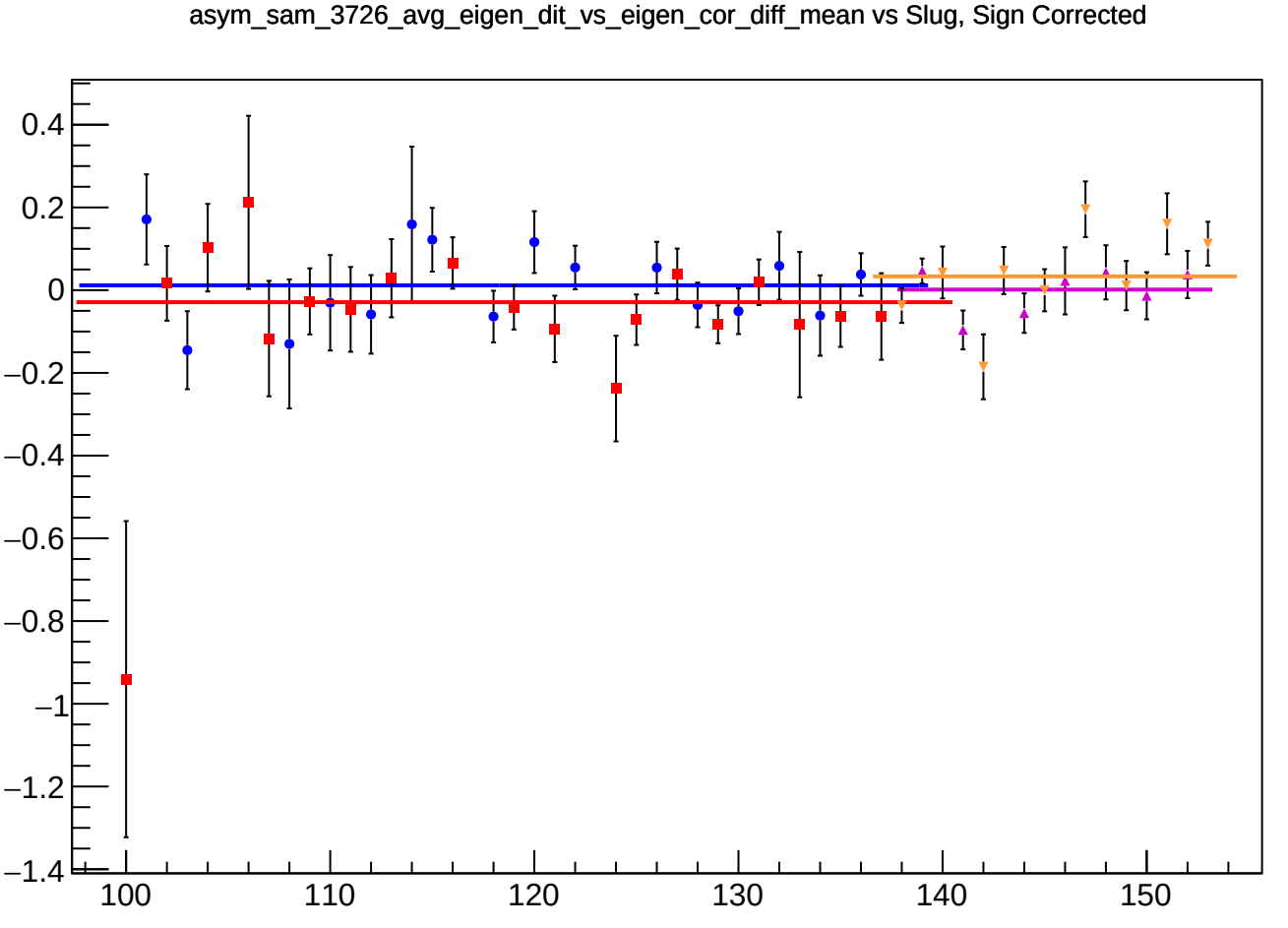
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.006+/-0.013 χ^2/NDF:25.9/22

Out: -0.000+/-0.013 χ^2/NDF:47.5/27

All: 0.003+/-0.009 χ^2/NDF: 73.5/50


asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
120
110
100
90
80
70
60
50
40
30
100
110
120
130
140
150
Right In: 45.525+/-0.013 χ²/NDF: 1253922.0/15
Left Out: 48.473+/-0.014 χ²/NDF:445293.1/8
Right Out: 44.141+/-0.013 χ²/NDF: 1743351.0/18
Left In: 41.770+/-0.013 χ²/NDF:1009536.5/6
Left: 44.960+/-0.009 χ²/NDF: 1582936.2/15
Right: 44.816+/-0.009 χ²/NDF: 3003114.2/34
In: 43.643+/-0.009 χ²/NDF:2305575.9/22
Out: 46.157+/-0.009 χ²/NDF:2243243.8/27
All: 44.886+/-0.007 χ²/NDF: 4586172.7/50



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.033+/-0.019 χ^2/NDF:22.2/8

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.001+/-0.018 χ^2/NDF:8.9/6

Left: 0.017+/-0.013 χ^2/NDF: 32.6/15

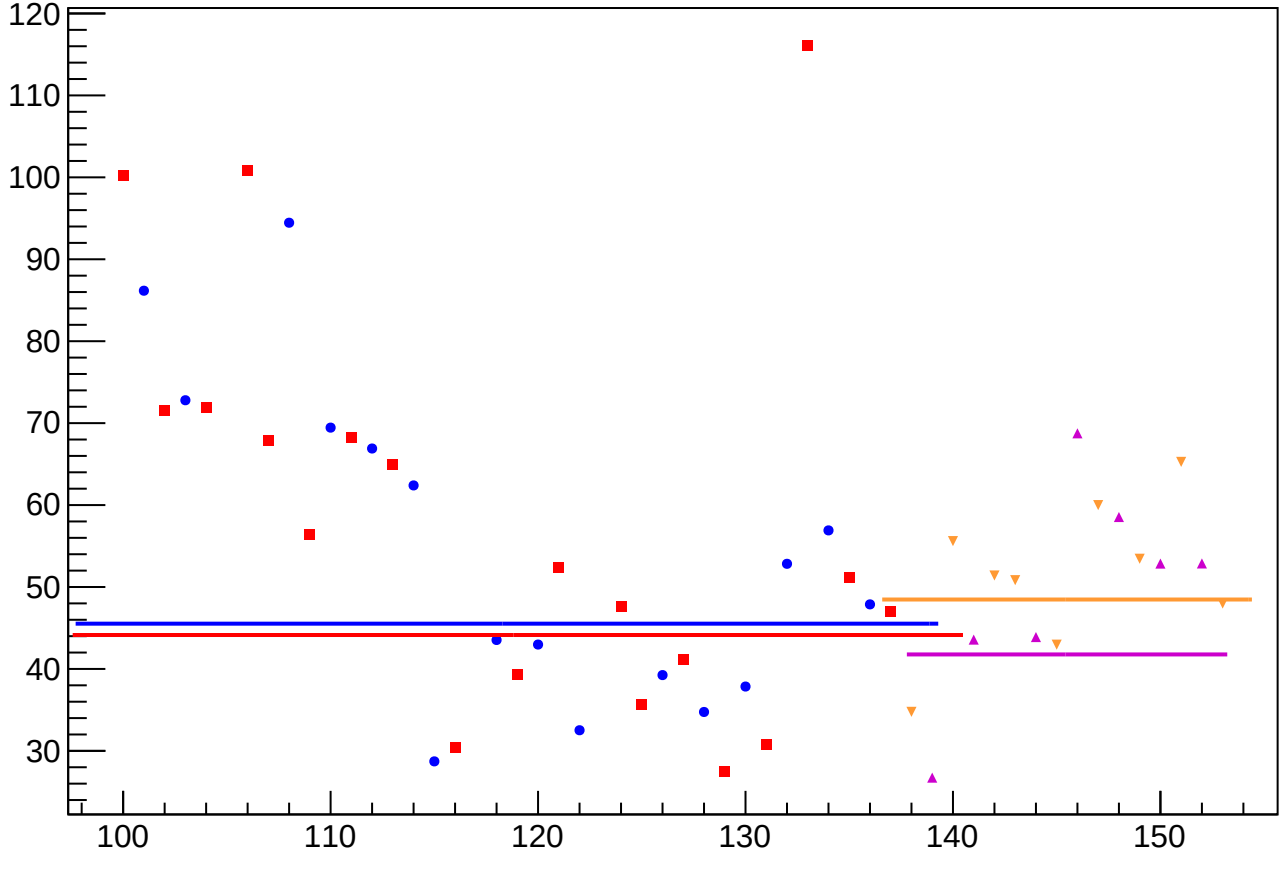
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.006+/-0.013 χ^2/NDF:25.9/22

Out: -0.000+/-0.013 χ^2/NDF:47.5/27

All: 0.003+/-0.009 χ^2/NDF: 73.5/50

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: 48.473+/-0.014 χ^2/NDF:445293.1/8

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 41.770+/-0.013 χ^2/NDF:1009536.5/6

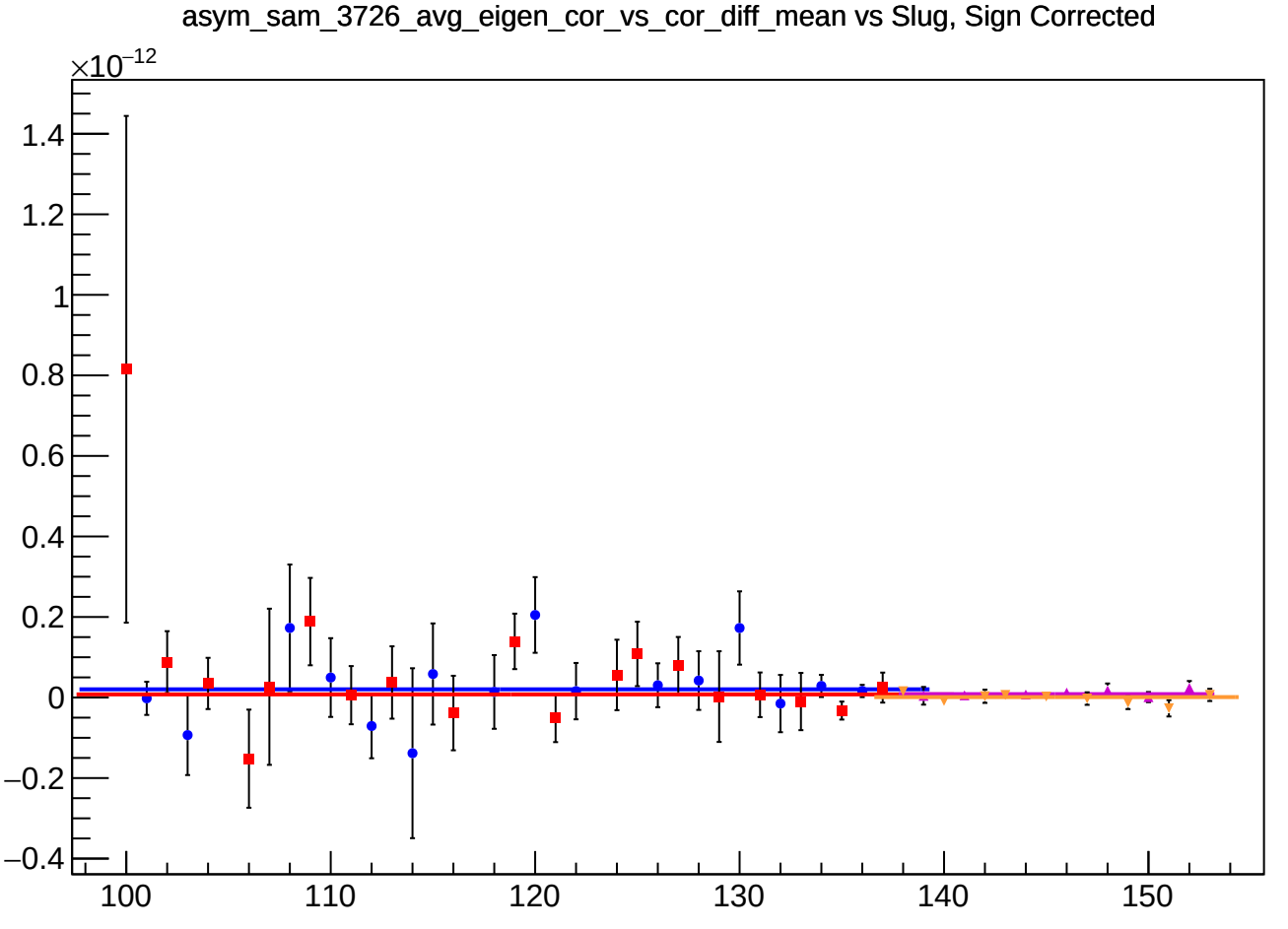
Left: 44.960+/-0.009 χ^2/NDF: 1582936.2/15

Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 43.643+/-0.009 χ^2/NDF:2305575.9/22

Out: 46.157+/-0.009 χ^2/NDF:2243243.8/27

All: 44.886+/-0.007 χ^2/NDF: 4586172.7/50



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.3/8

Right Out: 0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1.8/6

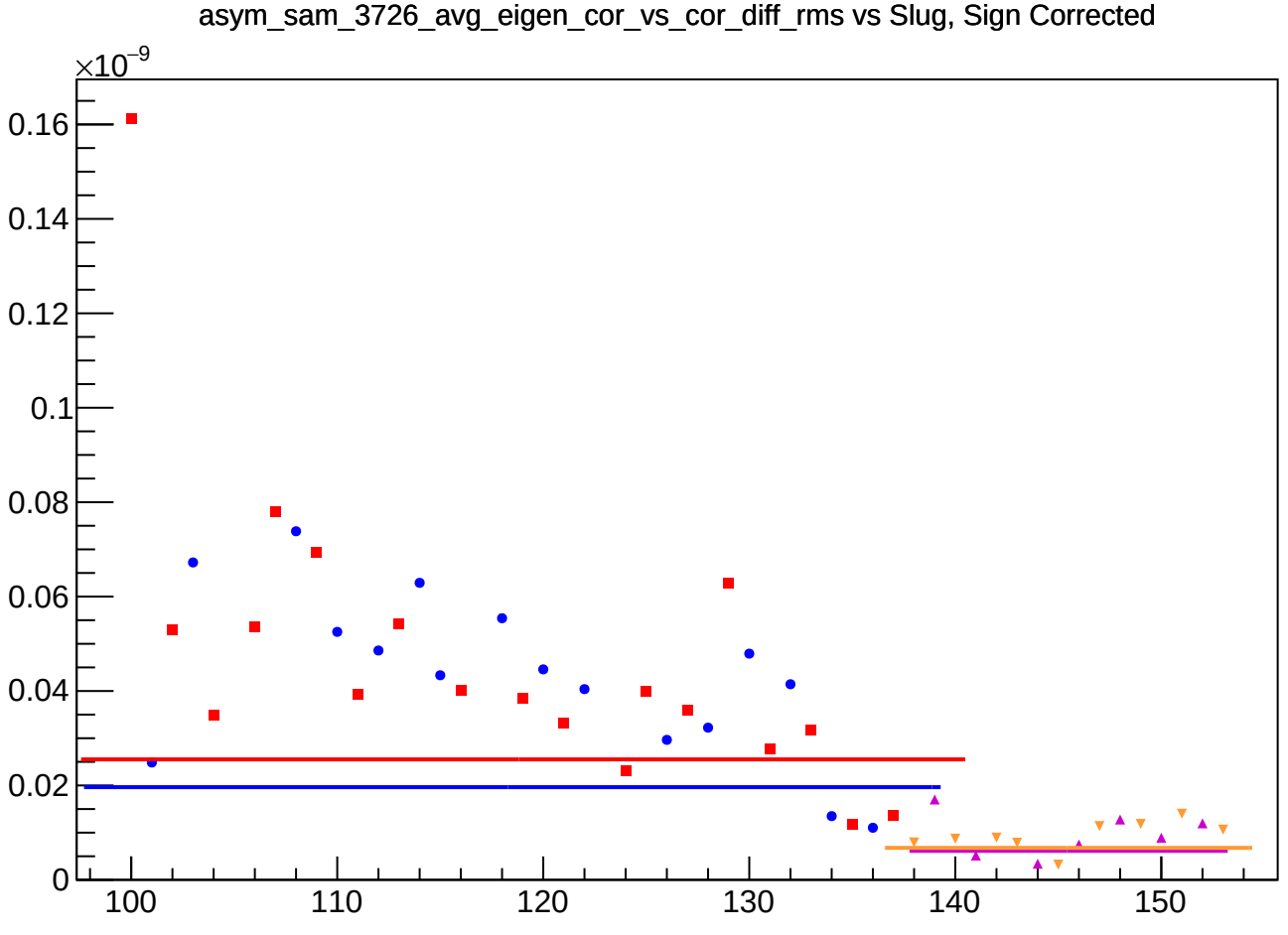
Left: 0.000+/-0.000 χ^2/NDF: 9.0/15

Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:14.6/22

Out: 0.000+/-0.000 χ^2/NDF:24.3/27

All: 0.000+/-0.000 χ^2/NDF: 41.5/50



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1702996.7/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1623440.9/6

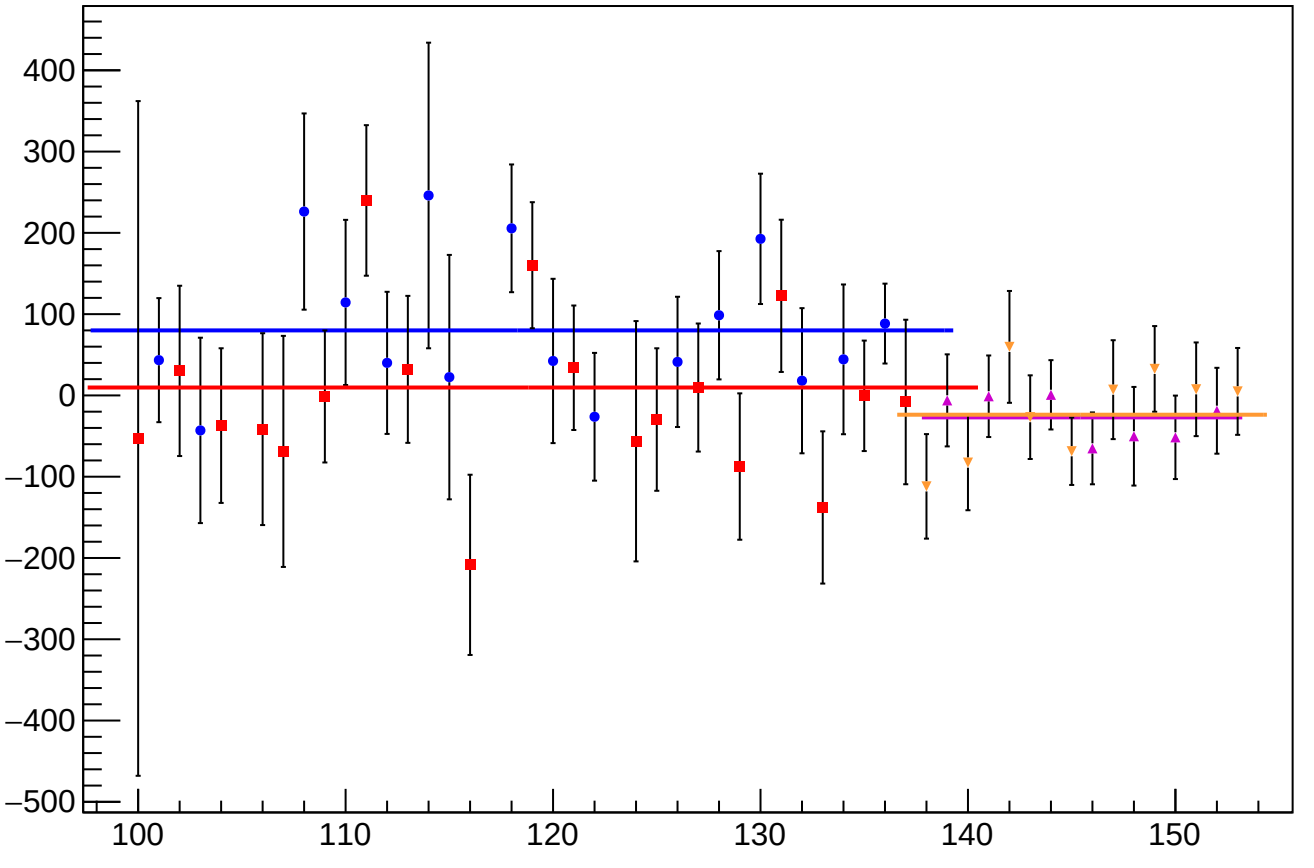
Left: 0.000+/-0.000 χ^2/NDF: 3354776.9/15

Right: 0.000+/-0.000 χ^2/NDF: 6166556.0/34

In: 0.000+/-0.000 χ^2/NDF:7478639.2/22

Out: 0.000+/-0.000 χ^2/NDF:7900165.5/27

All: 0.000+/-0.000 χ^2/NDF: 15398822.5/50



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -23.740+/-18.306 χ^2/NDF:7.5/8

Right Out: 9.730+/-21.617 χ^2/NDF: 20.3/18

Left In: -27.039+/-18.966 χ^2/NDF:2.0/6

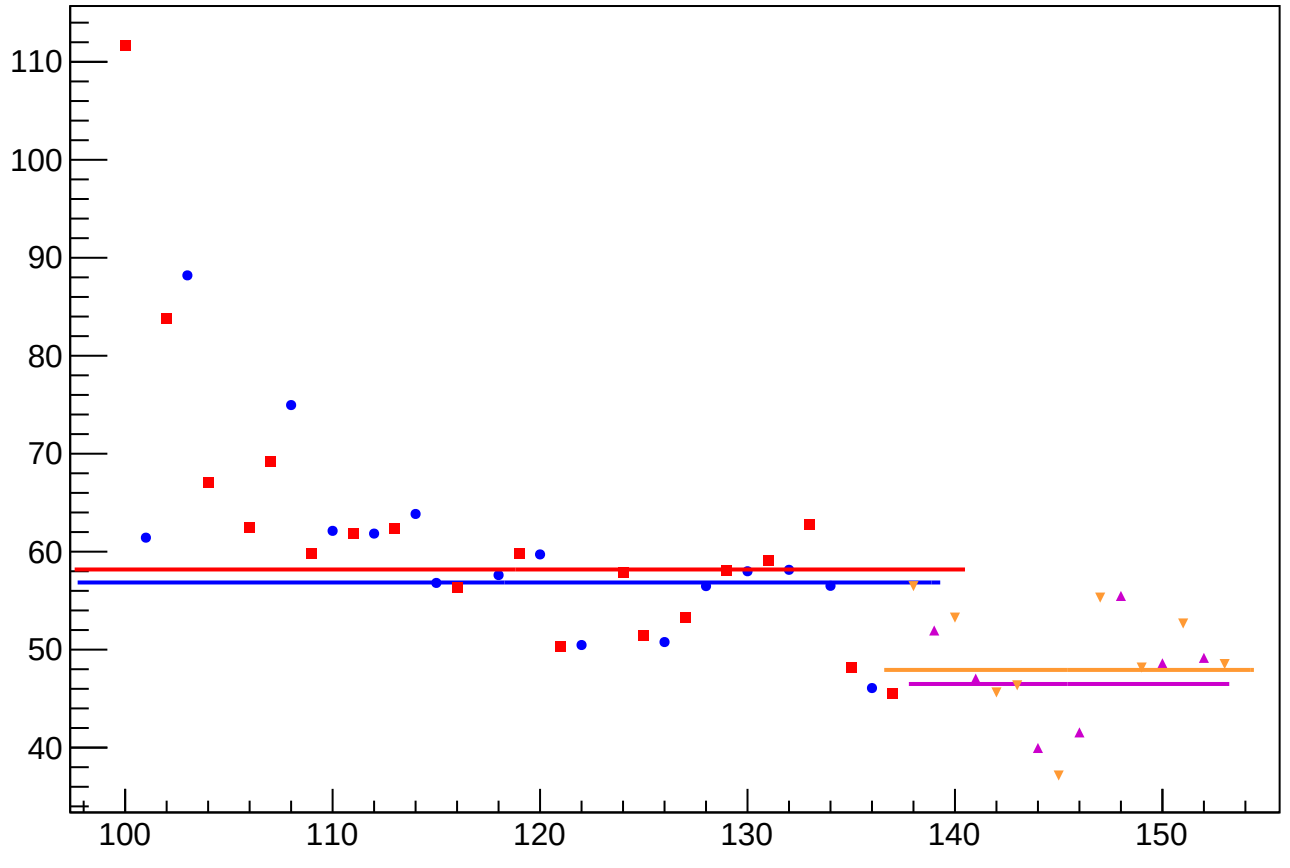
Left: -25.331+/-13.172 χ^2/NDF: 9.5/15

Right: 45.094+/-15.235 χ^2/NDF: 37.2/34

In: 19.865+/-14.216 χ^2/NDF:27.5/22

Out: -9.762+/-13.970 χ^2/NDF:29.3/27

All: 4.793+/-9.964 χ^2/NDF: 58.9/50



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 47.929+/-0.013 χ^2/NDF:234299.9/8

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

Left In: 46.494+/-0.013 χ^2/NDF:143081.5/6

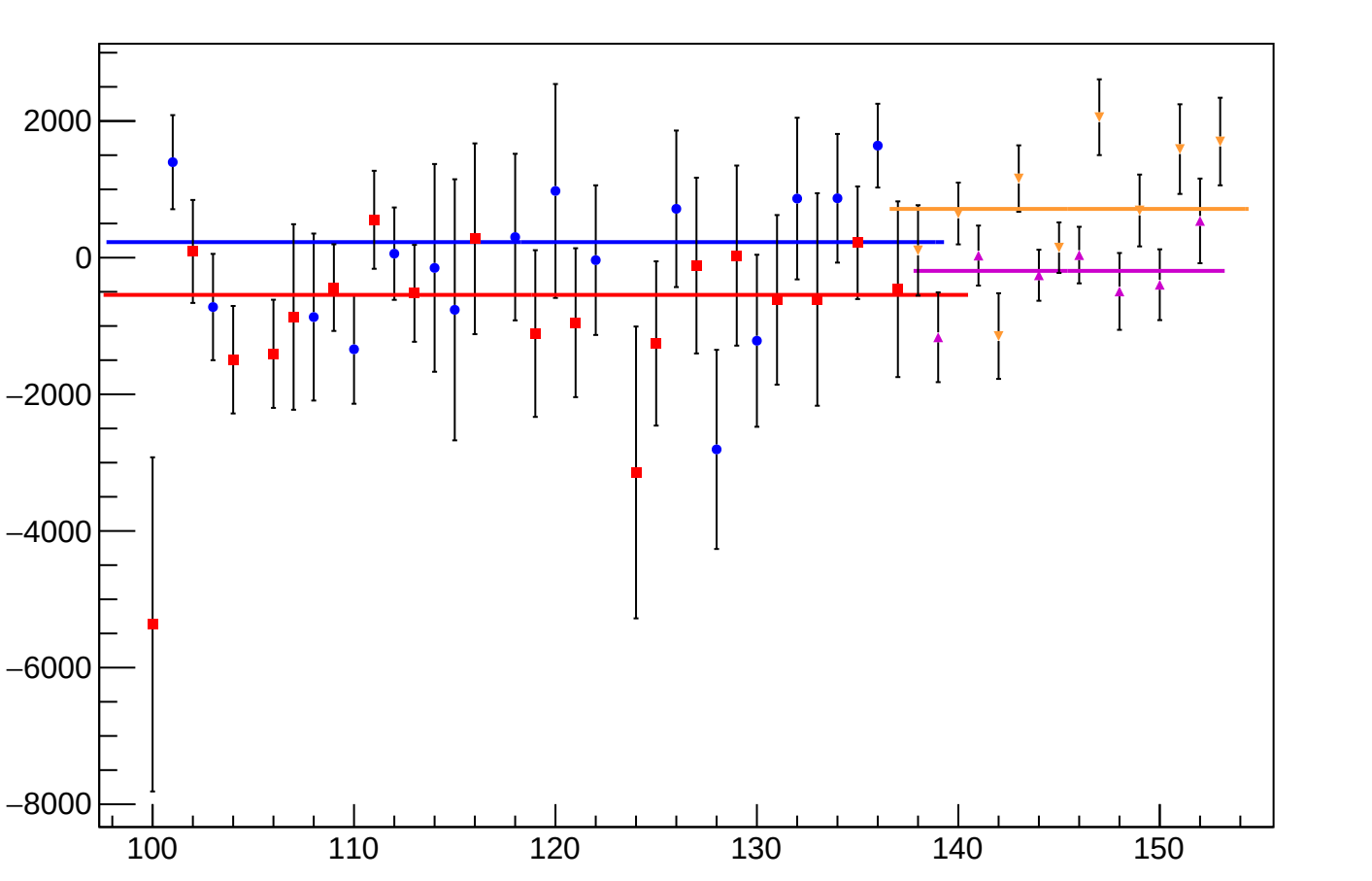
Left: 47.237+/-0.009 χ^2/NDF: 383310.7/15

Right: 57.513+/-0.011 χ^2/NDF: 660056.1/34

In: 51.034+/-0.010 χ^2/NDF:746195.4/22

Out: 52.211+/-0.010 χ^2/NDF:810937.2/27

All: 51.633+/-0.007 χ^2/NDF: 1564103.8/50



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 713.328+/-174.333 χ^2/NDF:22.9/8

Right Out: -544.769+/-227.243 χ^2/NDF: 13.4/18

Left In: -193.305+/-182.549 χ^2/NDF:4.6/6

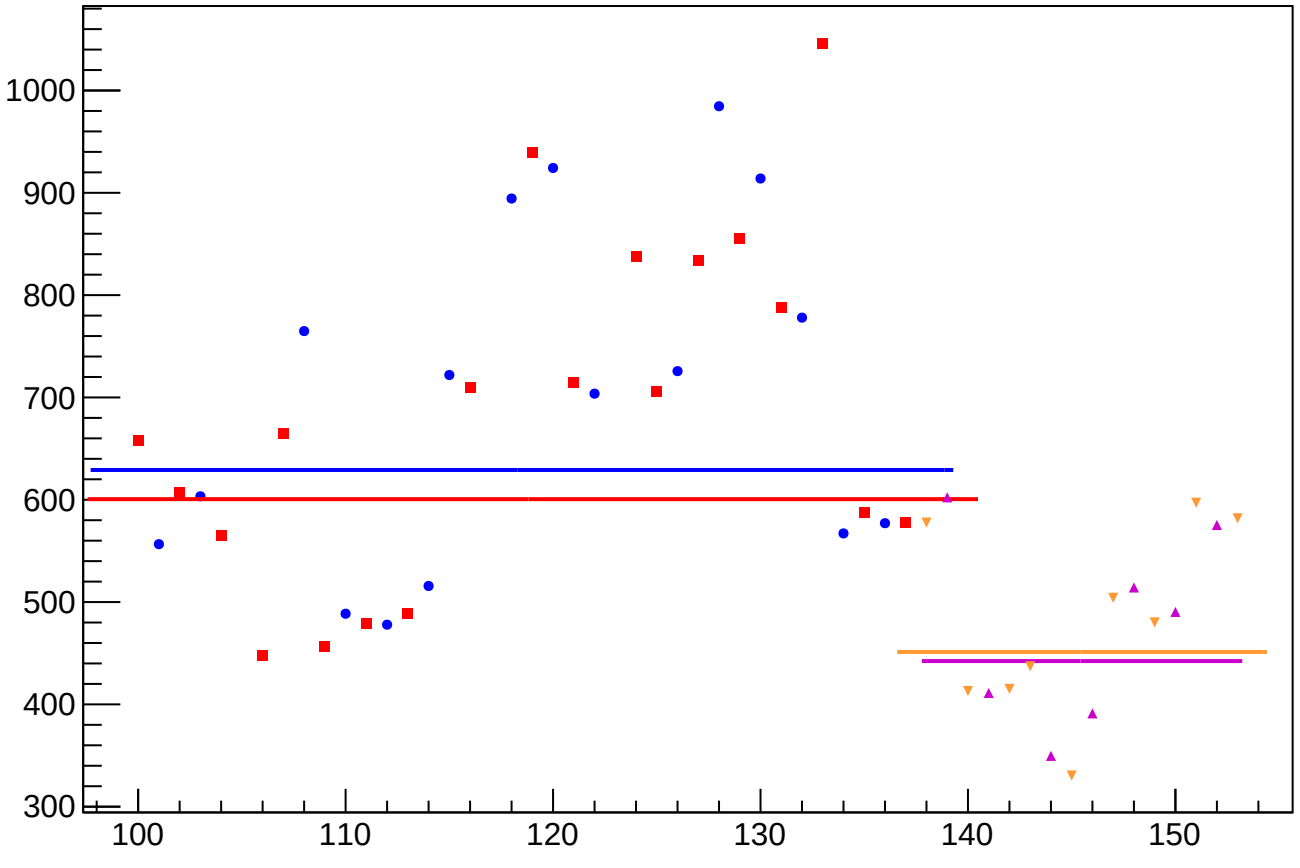
Left: 280.874+/-126.076 χ^2/NDF: 40.4/15

Right: -181.660+/-165.407 χ^2/NDF: 40.4/34

In: -40.068+/-145.566 χ^2/NDF:28.2/22

Out: 247.213+/-138.318 χ^2/NDF:55.5/27

All: 110.902+/-100.270 χ^2/NDF: 85.8/50



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 451.261+/-0.123 χ^2/NDF:515223.9/8

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

Left In: 442.329+/-0.129 χ^2/NDF:424579.8/6

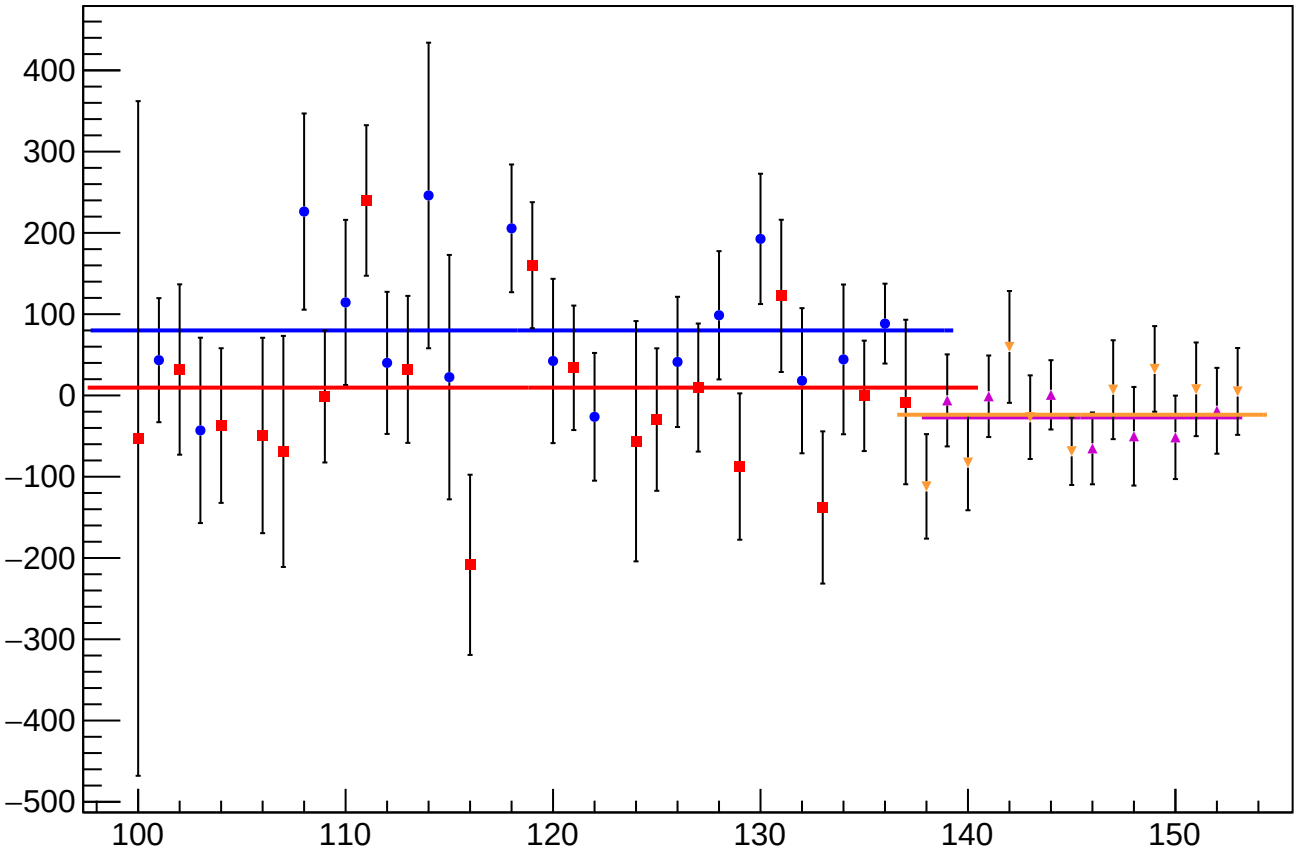
Left: 447.001+/-0.089 χ^2/NDF: 942307.9/15

Right: 613.994+/-0.117 χ^2/NDF: 1582132.3/34

In: 510.339+/-0.103 χ^2/NDF:1879633.0/22

Out: 506.588+/-0.098 χ^2/NDF:1933534.8/27

All: 508.368+/-0.071 χ^2/NDF: 3813865.8/50



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -23.746+/-18.306 χ^2/NDF:7.5/8

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -27.043+/-18.966 χ^2/NDF:2.0/6

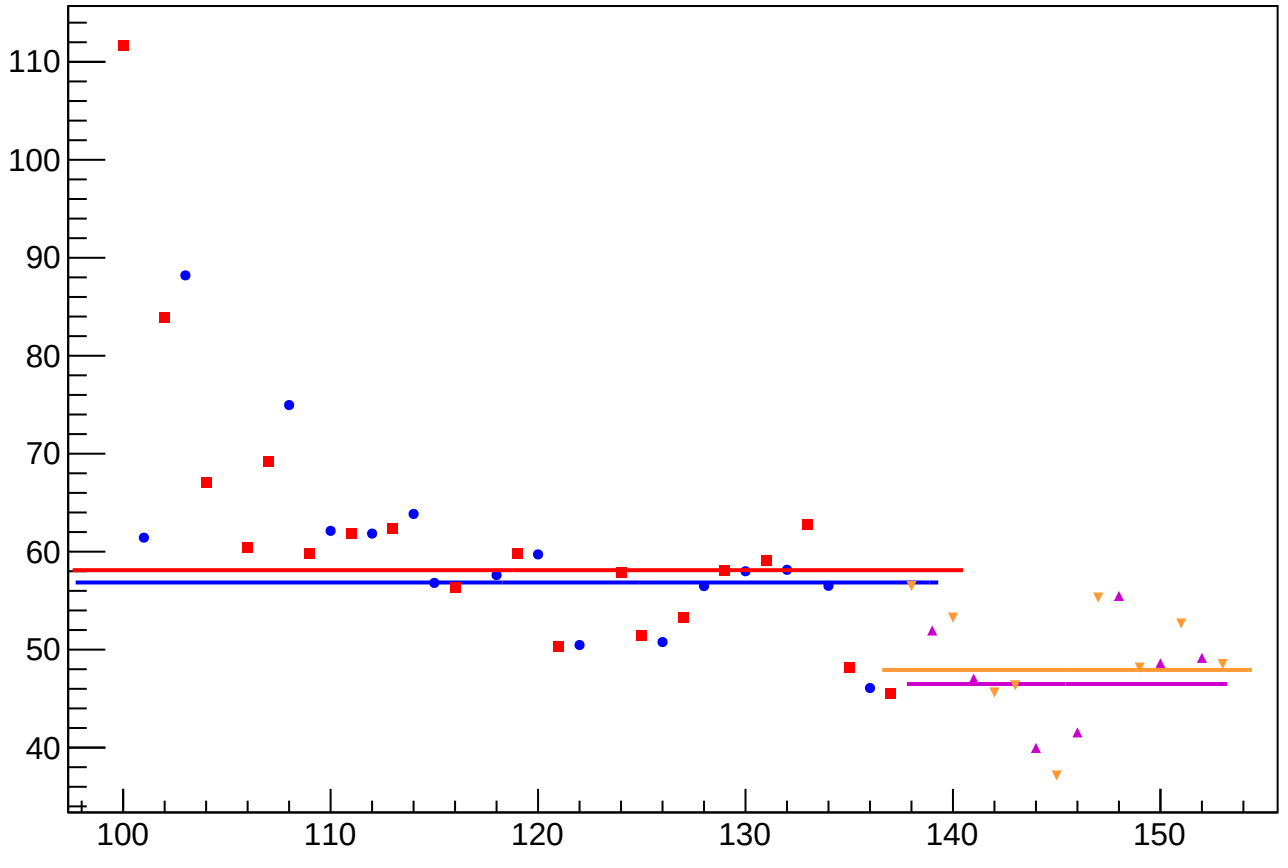
Left: -25.336+/-13.172 χ^2/NDF: 9.5/15

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 19.865+/-14.216 χ^2/NDF:27.5/22

Out: -9.822+/-13.974 χ^2/NDF:29.3/27

All: 4.766+/-9.965 χ^2/NDF: 59.0/50



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.929+/-0.013 χ^2/NDF:234299.9/8

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 46.494+/-0.013 χ^2/NDF:143081.5/6

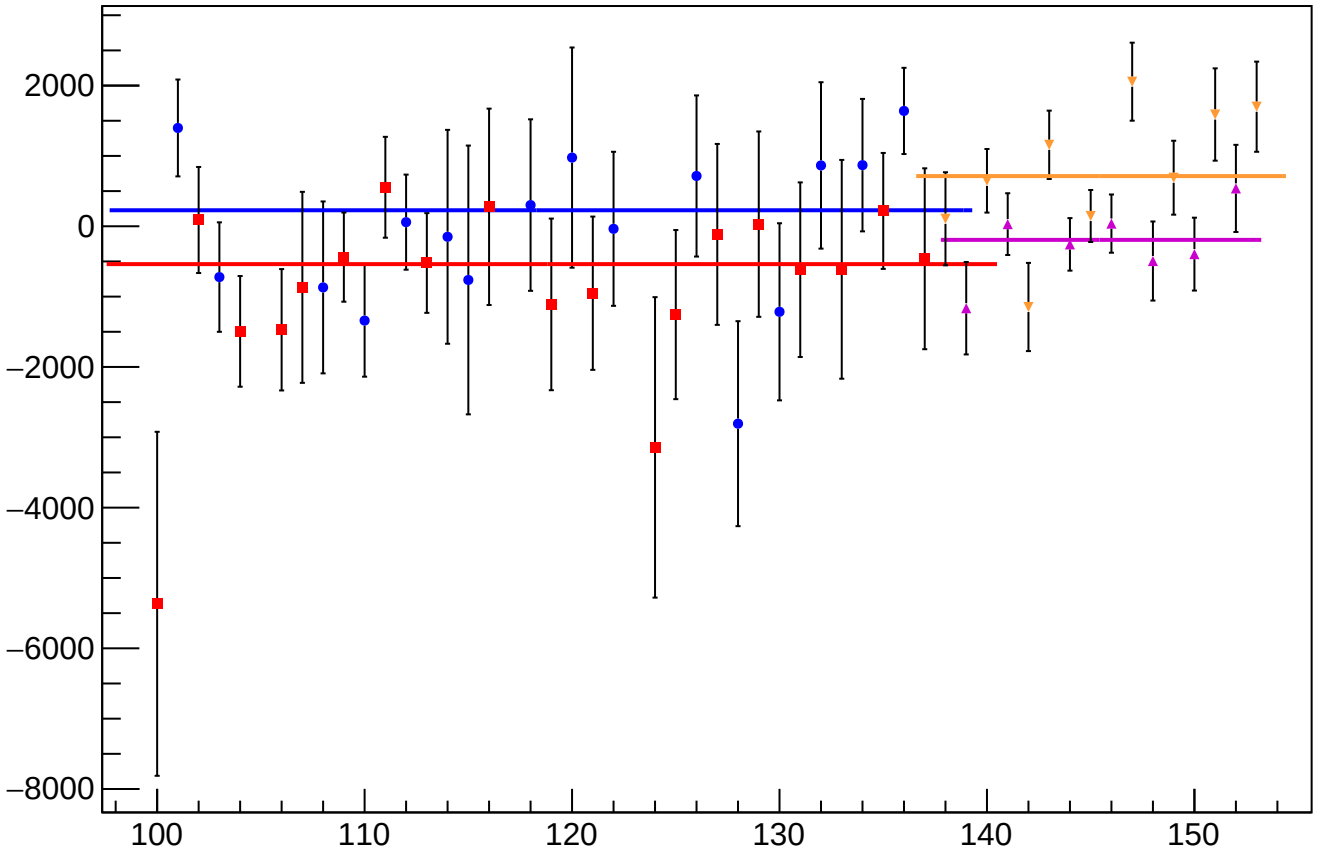
Left: 47.237+/-0.009 χ^2/NDF: 383310.7/15

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 51.034+/-0.010 χ^2/NDF:746199.4/22

Out: 52.178+/-0.010 χ^2/NDF:805424.1/27

All: 51.616+/-0.007 χ^2/NDF: 1558211.5/50



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 713.324+/-174.333 χ^2/NDF:22.9/8

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -193.310+/-182.549 χ^2/NDF:4.6/6

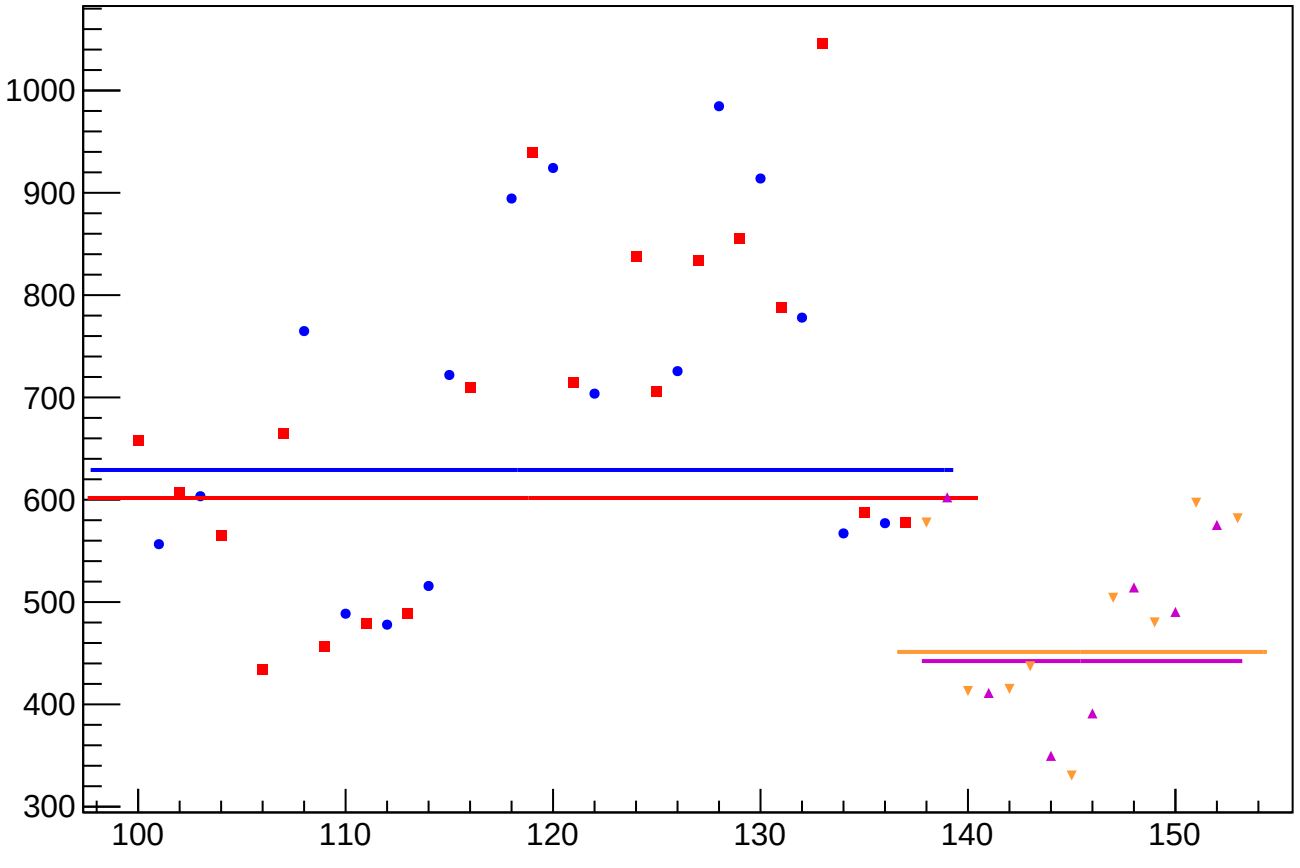
Left: 280.869+/-126.076 χ^2/NDF: 40.4/15

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -40.059+/-145.566 χ^2/NDF:28.2/22

Out: 253.539+/-138.657 χ^2/NDF:55.1/27

All: 113.873+/-100.399 χ^2/NDF: 85.5/50



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 451.261+/-0.123 χ^2/NDF:515226.1/8

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 442.330+/-0.129 χ^2/NDF:424579.4/6

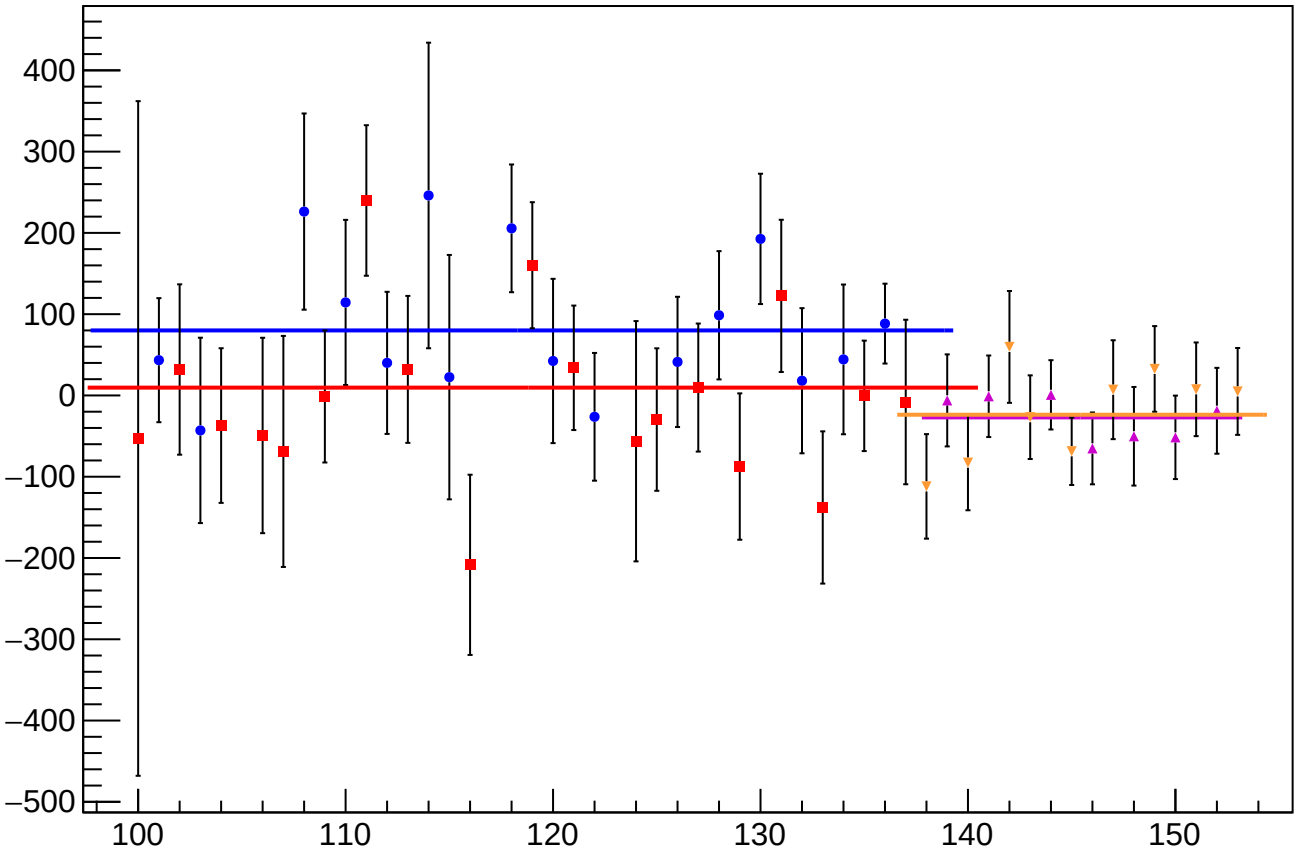
Left: 447.001+/-0.089 χ^2/NDF: 942309.6/15

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 510.340+/-0.103 χ^2/NDF:1879653.7/22

Out: 506.541+/-0.098 χ^2/NDF:1936607.7/27

All: 508.348+/-0.071 χ^2/NDF: 3816975.9/50



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -23.746+/-18.306 χ^2/NDF:7.5/8

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -27.043+/-18.966 χ^2/NDF:2.0/6

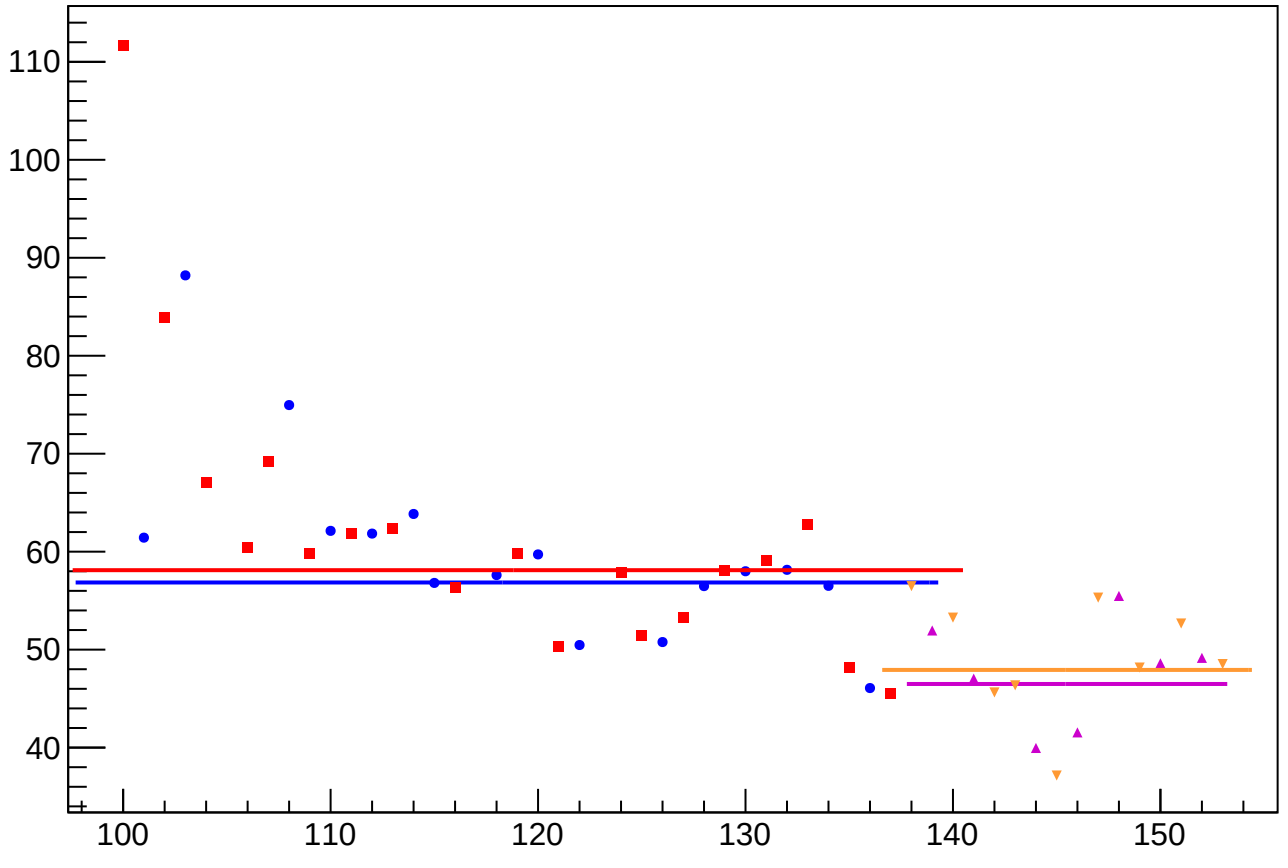
Left: -25.336+/-13.172 χ^2/NDF: 9.5/15

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 19.865+/-14.216 χ^2/NDF:27.5/22

Out: -9.822+/-13.974 χ^2/NDF:29.3/27

All: 4.766+/-9.965 χ^2/NDF: 59.0/50



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.929+/-0.013 χ^2/NDF:234299.9/8

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 46.494+/-0.013 χ^2/NDF:143081.5/6

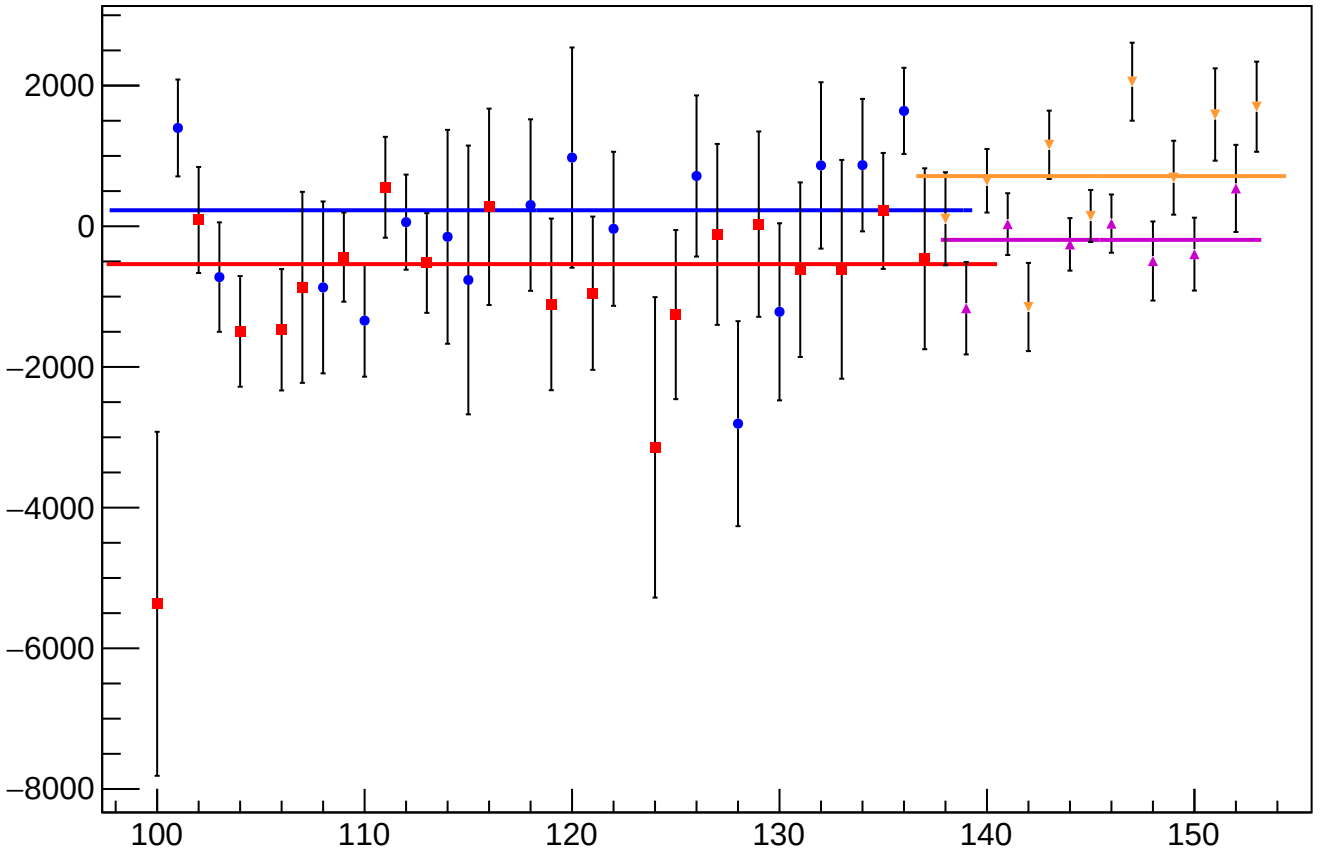
Left: 47.237+/-0.009 χ^2/NDF: 383310.7/15

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 51.034+/-0.010 χ^2/NDF:746199.4/22

Out: 52.178+/-0.010 χ^2/NDF:805424.1/27

All: 51.616+/-0.007 χ^2/NDF: 1558211.5/50



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 713.324+/-174.333 χ^2/NDF:22.9/8

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -193.310+/-182.549 χ^2/NDF:4.6/6

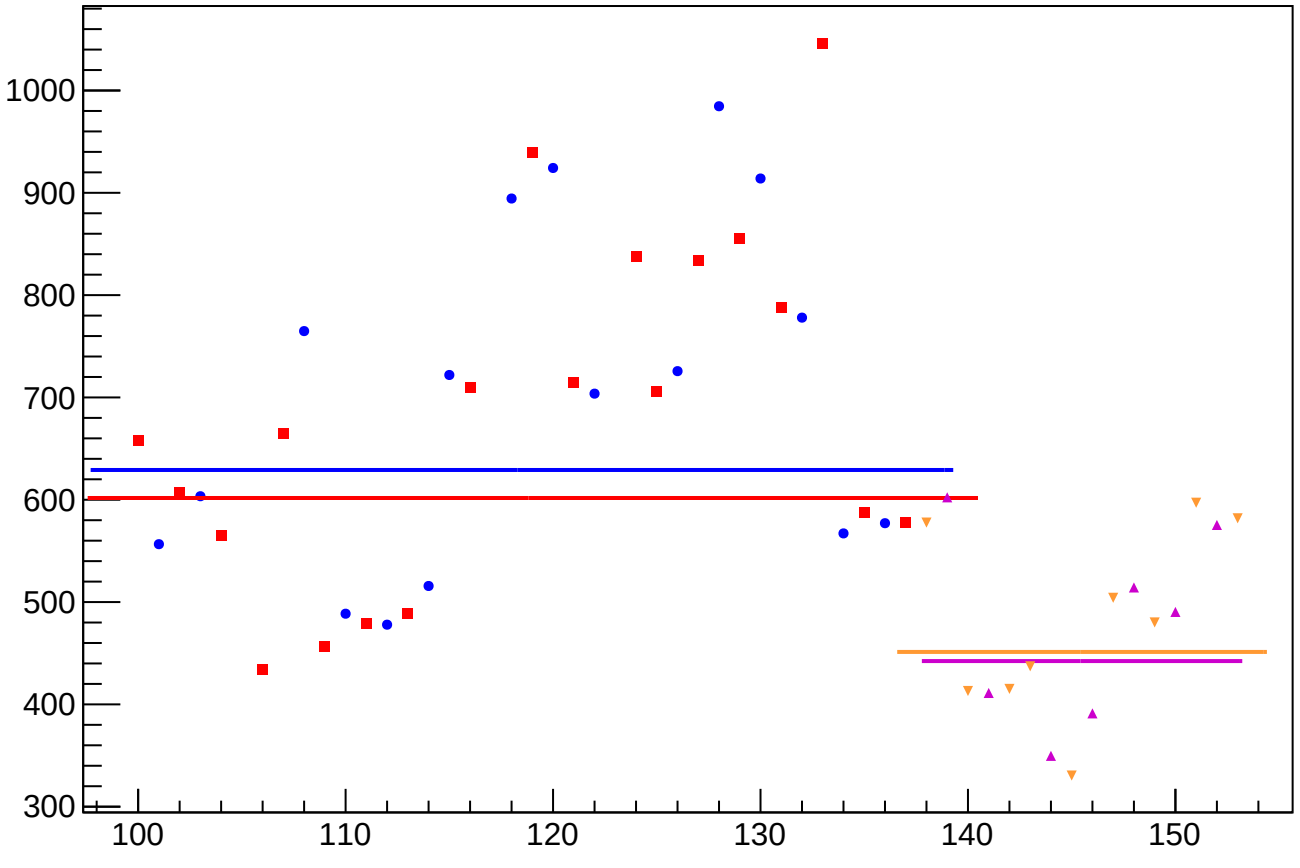
Left: 280.869+/-126.076 χ^2/NDF: 40.4/15

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -40.059+/-145.566 χ^2/NDF:28.2/22

Out: 253.539+/-138.657 χ^2/NDF:55.1/27

All: 113.873+/-100.399 χ^2/NDF: 85.5/50



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 451.261+/-0.123 χ^2/NDF:515226.1/8

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 442.330+/-0.129 χ^2/NDF:424579.4/6

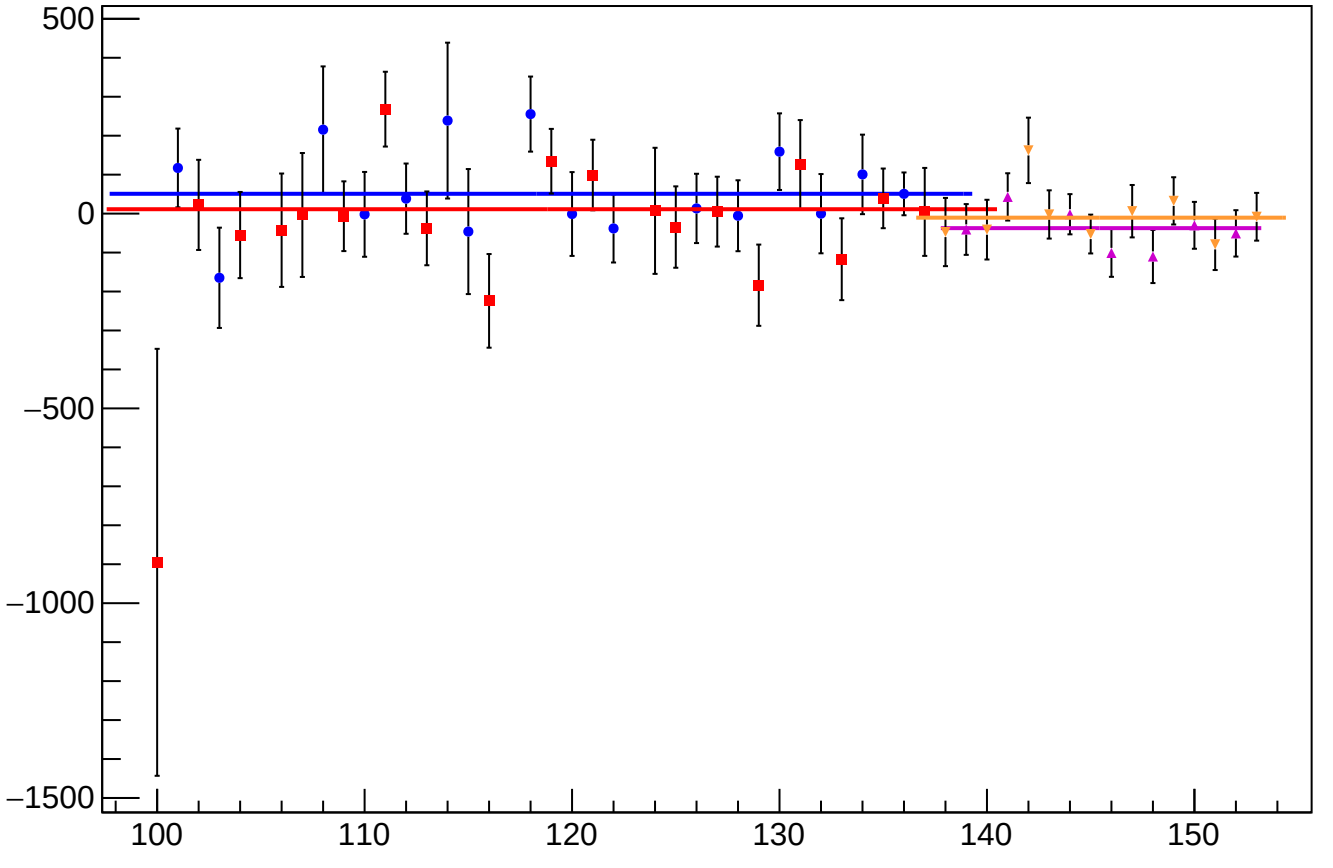
Left: 447.001+/-0.089 χ^2/NDF: 942309.6/15

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 510.340+/-0.103 χ^2/NDF:1879653.7/22

Out: 506.541+/-0.098 χ^2/NDF:1936607.7/27

All: 508.348+/-0.071 χ^2/NDF: 3816975.9/50



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: -10.445+/-21.847 χ^2/NDF:6.9/8

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -37.305+/-22.811 χ^2/NDF:4.5/6

Left: -23.295+/-15.778 χ^2/NDF: 12.2/15

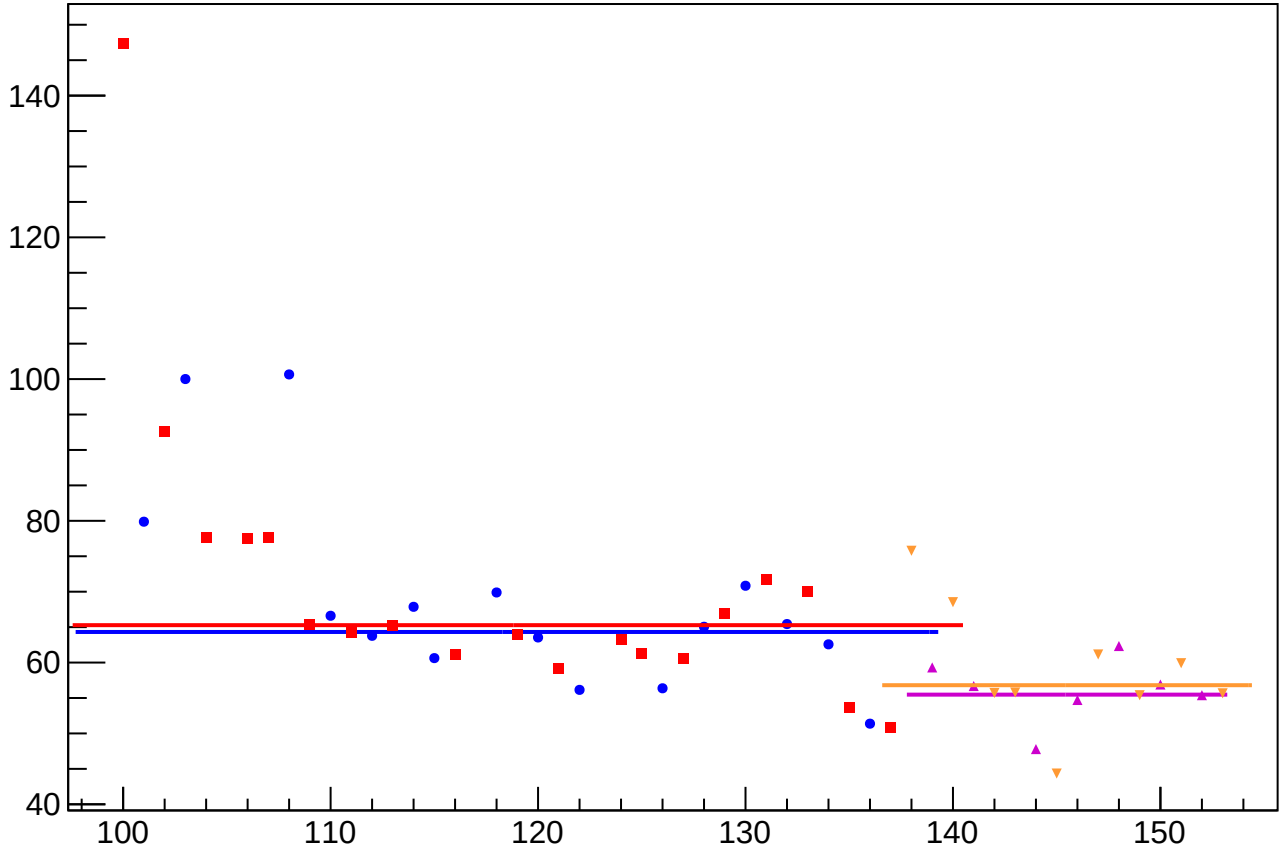
Right: 30.925+/-17.259 χ^2/NDF: 39.1/34

In: 3.648+/-16.693 χ^2/NDF:25.2/22

Out: -0.753+/-16.254 χ^2/NDF:31.4/27

All: 1.389+/-11.645 χ^2/NDF: 56.7/50

dit_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 56.806+/-0.015 χ^2/NDF:281296.4/8

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

Left In: 55.474+/-0.016 χ^2/NDF:73726.8/6

Left: 56.169+/-0.011 χ^2/NDF: 358580.6/15

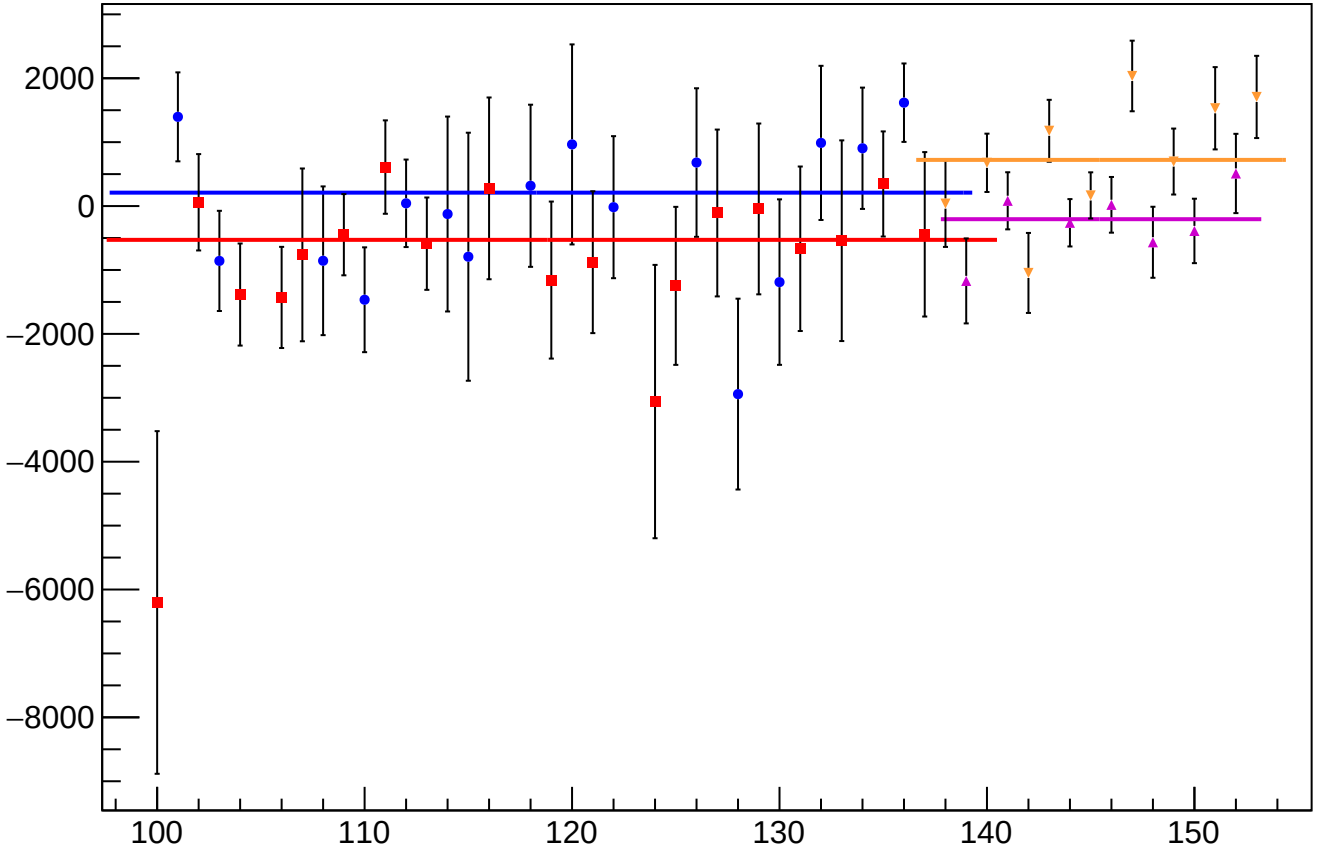
Right: 64.800+/-0.012 χ^2/NDF: 785637.7/34

In: 59.582+/-0.012 χ^2/NDF:678294.4/22

Out: 60.589+/-0.011 χ^2/NDF:734702.5/27

All: 60.098+/-0.008 χ^2/NDF: 1416733.3/50

asym_sam_15_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 722.492+/-173.263 χ^2/NDF:21.8/8

Right Out: -528.675+/-229.679 χ^2/NDF: 13.8/18

Left In: -205.376+/-183.831 χ^2/NDF:4.7/6

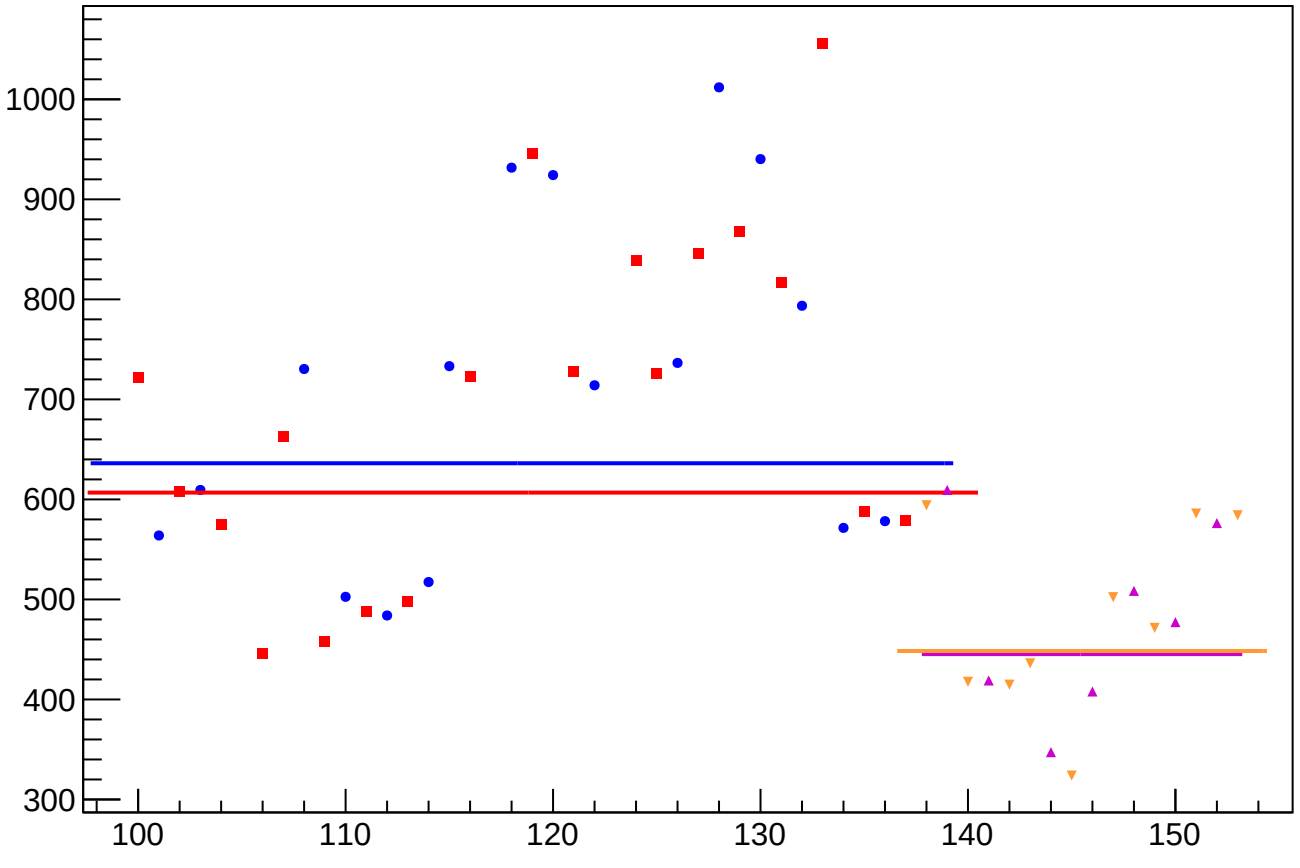
Left: 285.994+/-126.086 χ^2/NDF: 40.0/15

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -54.807+/-146.780 χ^2/NDF:29.0/22

Out: 268.718+/-138.319 χ^2/NDF:54.6/27

All: 116.548+/-100.665 χ^2/NDF: 86.1/50



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 448.453+/-0.123 χ^2/NDF:549046.2/8

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

Left In: 445.330+/-0.130 χ^2/NDF:406707.1/6

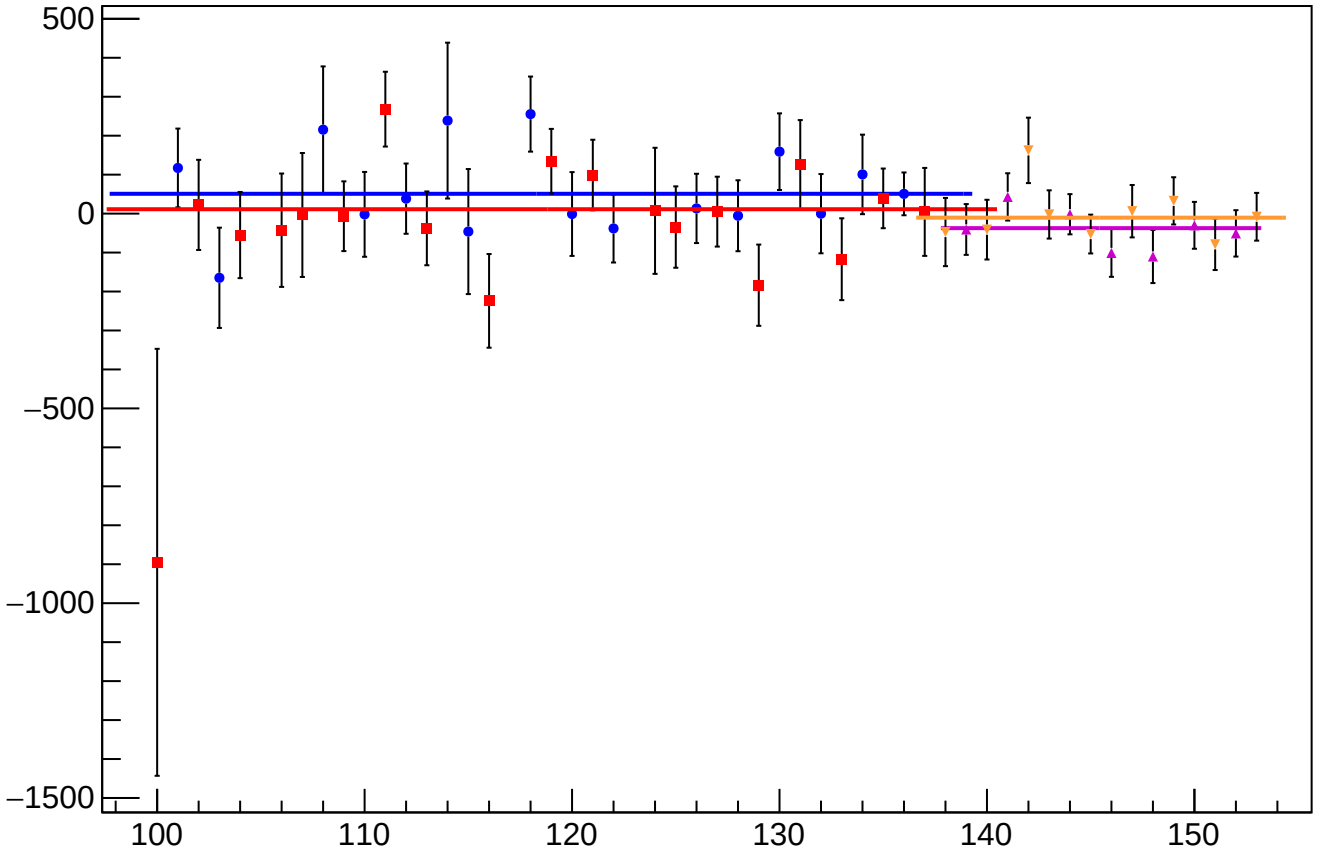
Left: 446.984+/-0.089 χ^2/NDF: 956058.9/15

Right: 620.599+/-0.118 χ^2/NDF: 1614464.0/34

In: 514.495+/-0.104 χ^2/NDF:1893016.5/22

Out: 505.883+/-0.098 χ^2/NDF:2048798.6/27

All: 509.934+/-0.071 χ^2/NDF: 3945461.4/50



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: -10.445+/-21.847 χ^2/NDF:6.9/8

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -37.305+/-22.811 χ^2/NDF:4.5/6

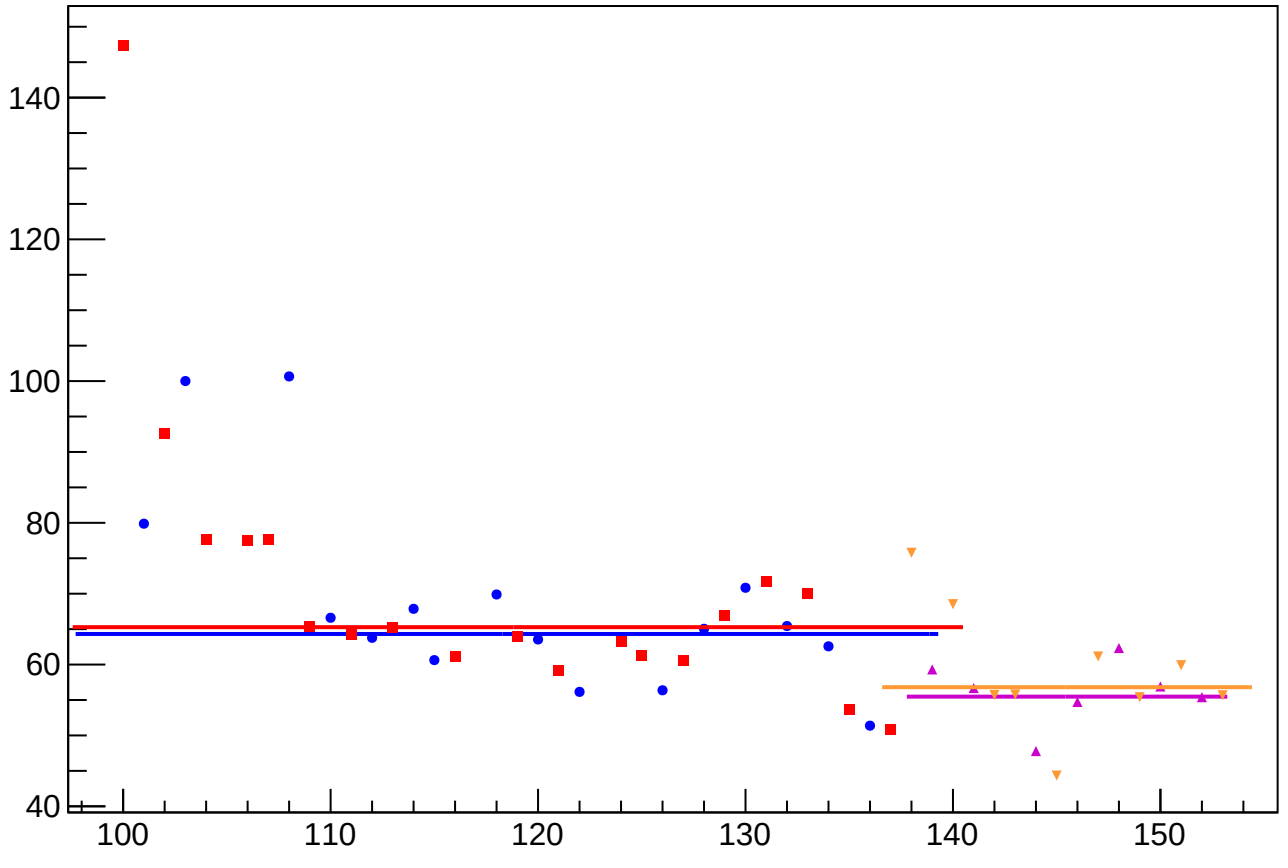
Left: -23.296+/-15.778 χ^2/NDF: 12.2/15

Right: 30.924+/-17.259 χ^2/NDF: 39.1/34

In: 3.647+/-16.693 χ^2/NDF:25.2/22

Out: -0.753+/-16.254 χ^2/NDF:31.4/27

All: 1.389+/-11.645 χ^2/NDF: 56.7/50



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 56.806+/-0.015 χ^2/NDF:281282.8/8

Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 55.474+/-0.016 χ^2/NDF:73721.9/6

Left: 56.169+/-0.011 χ^2/NDF: 358562.4/15

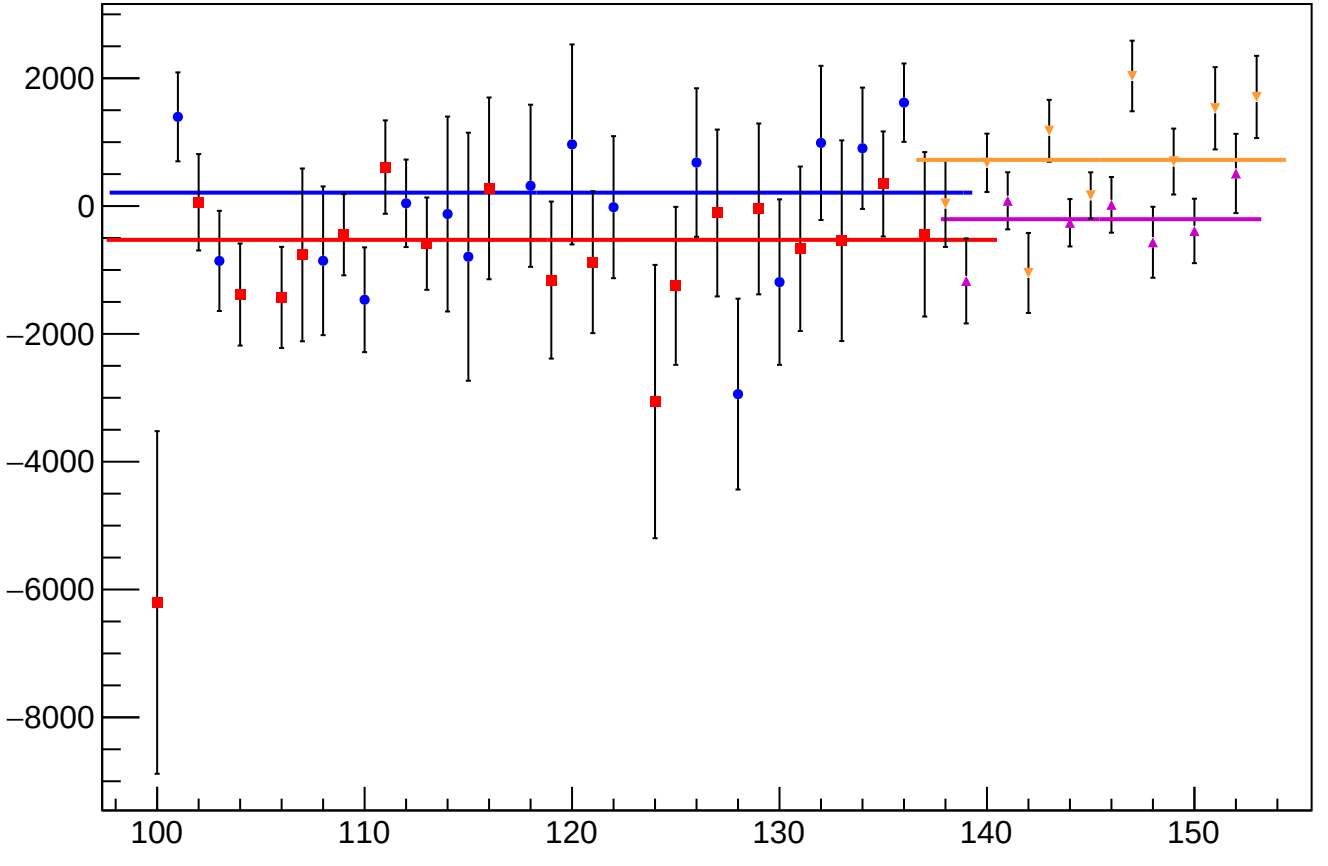
Right: 64.800+/-0.012 χ^2/NDF: 785639.3/34

In: 59.582+/-0.012 χ^2/NDF:678283.1/22

Out: 60.589+/-0.011 χ^2/NDF:734683.7/27

All: 60.098+/-0.008 χ^2/NDF: 1416703.4/50

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: 722.490+/-173.262 χ^2/NDF:21.8/8

Right Out: -528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: -205.376+/-183.830 χ^2/NDF:4.7/6

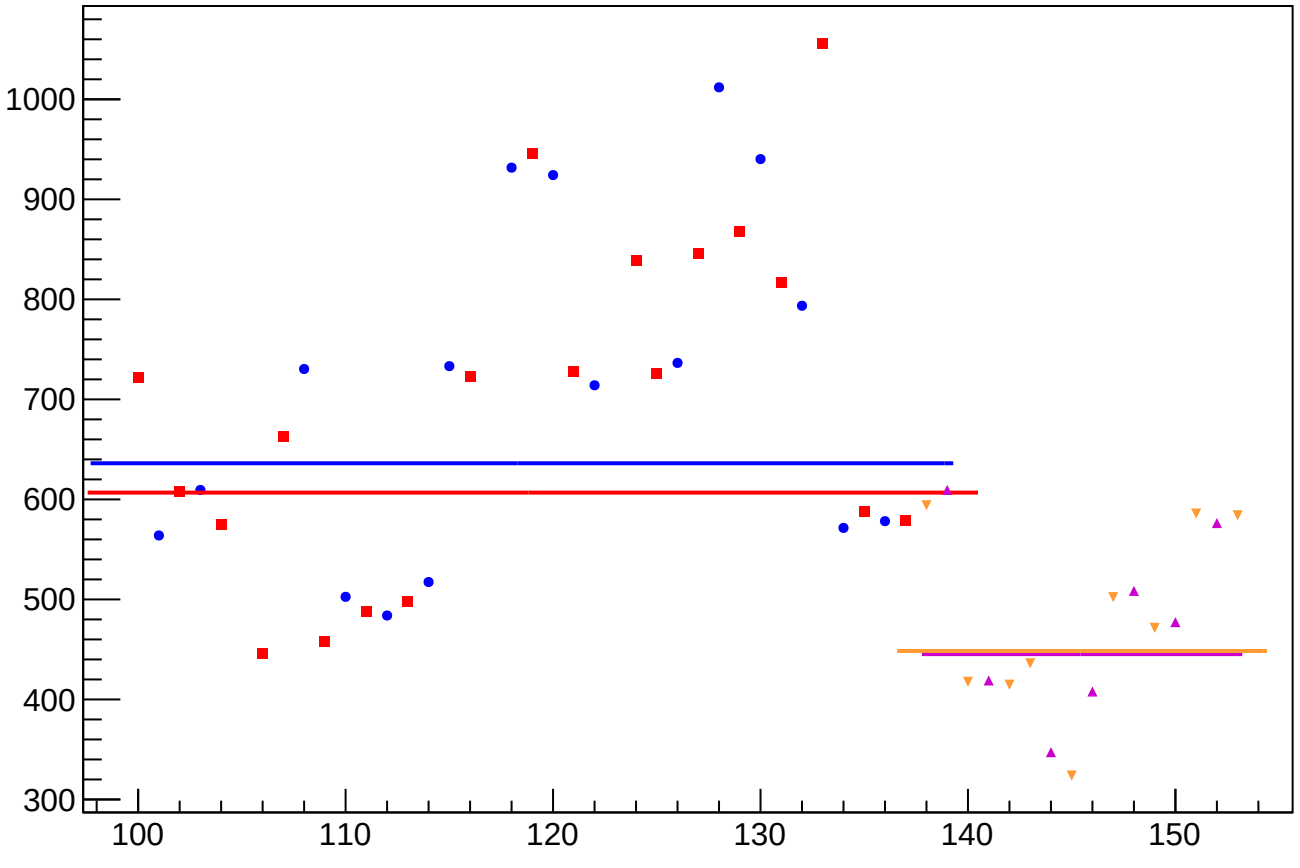
Left: 285.994+/-126.086 χ^2/NDF: 40.0/15

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -54.807+/-146.780 χ^2/NDF:29.0/22

Out: 268.717+/-138.319 χ^2/NDF:54.6/27

All: 116.548+/-100.665 χ^2/NDF: 86.1/50



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 448.452+/-0.123 χ^2/NDF:549051.8/8

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

Left In: 445.329+/-0.130 χ^2/NDF:406707.5/6

Left: 446.983+/-0.089 χ^2/NDF: 956064.9/15

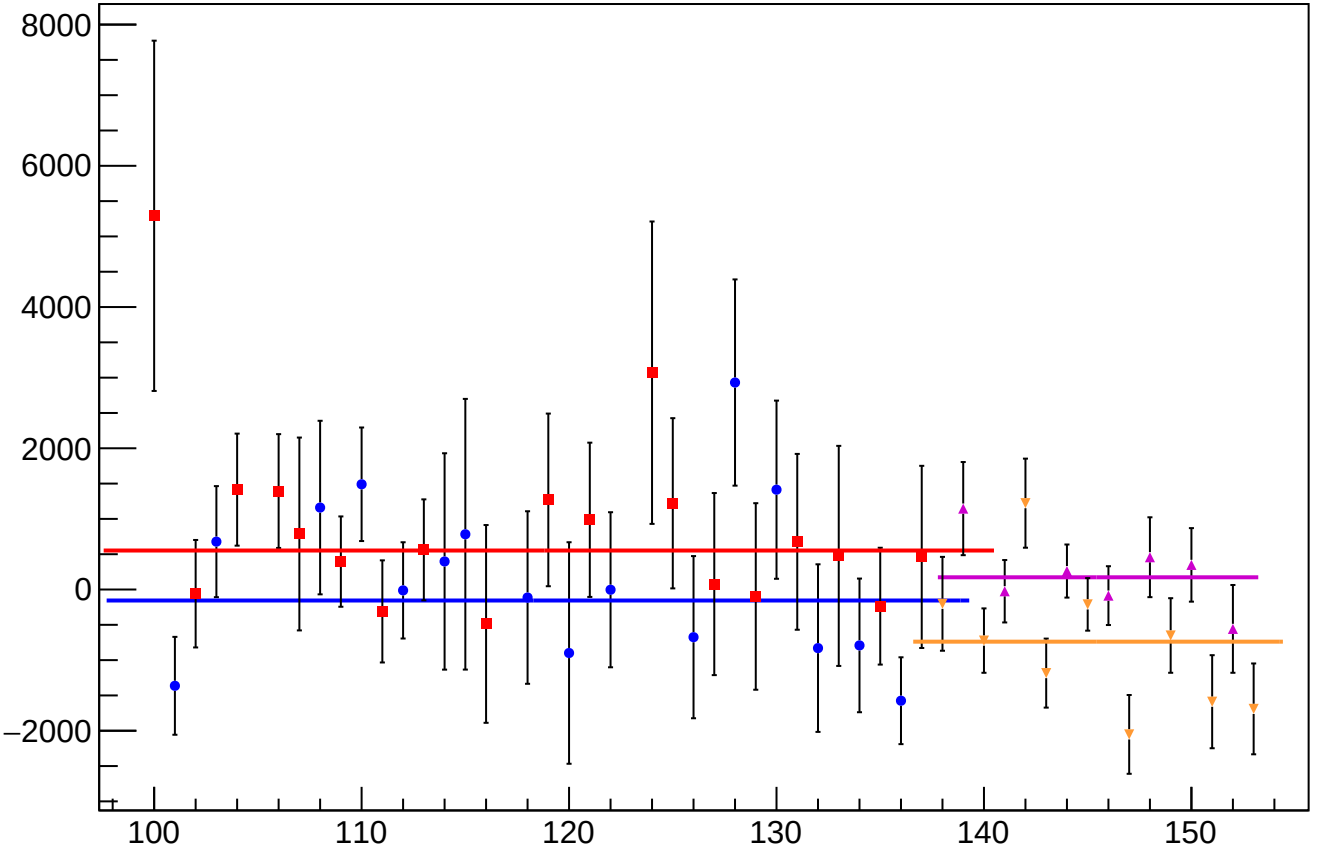
Right: 620.599+/-0.118 χ^2/NDF: 1614469.5/34

In: 514.494+/-0.104 χ^2/NDF:1893021.3/22

Out: 505.882+/-0.098 χ^2/NDF:2048810.4/27

All: 509.933+/-0.071 χ^2/NDF: 3945478.2/50

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -738.576+/-175.374 χ^2/NDF:22.6/8

Right Out: 552.176+/-228.890 χ^2/NDF: 12.1/18

Left In: 173.038+/-183.602 χ^2/NDF:4.6/6

Left: -303.652+/-126.817 χ^2/NDF: 40.0/15

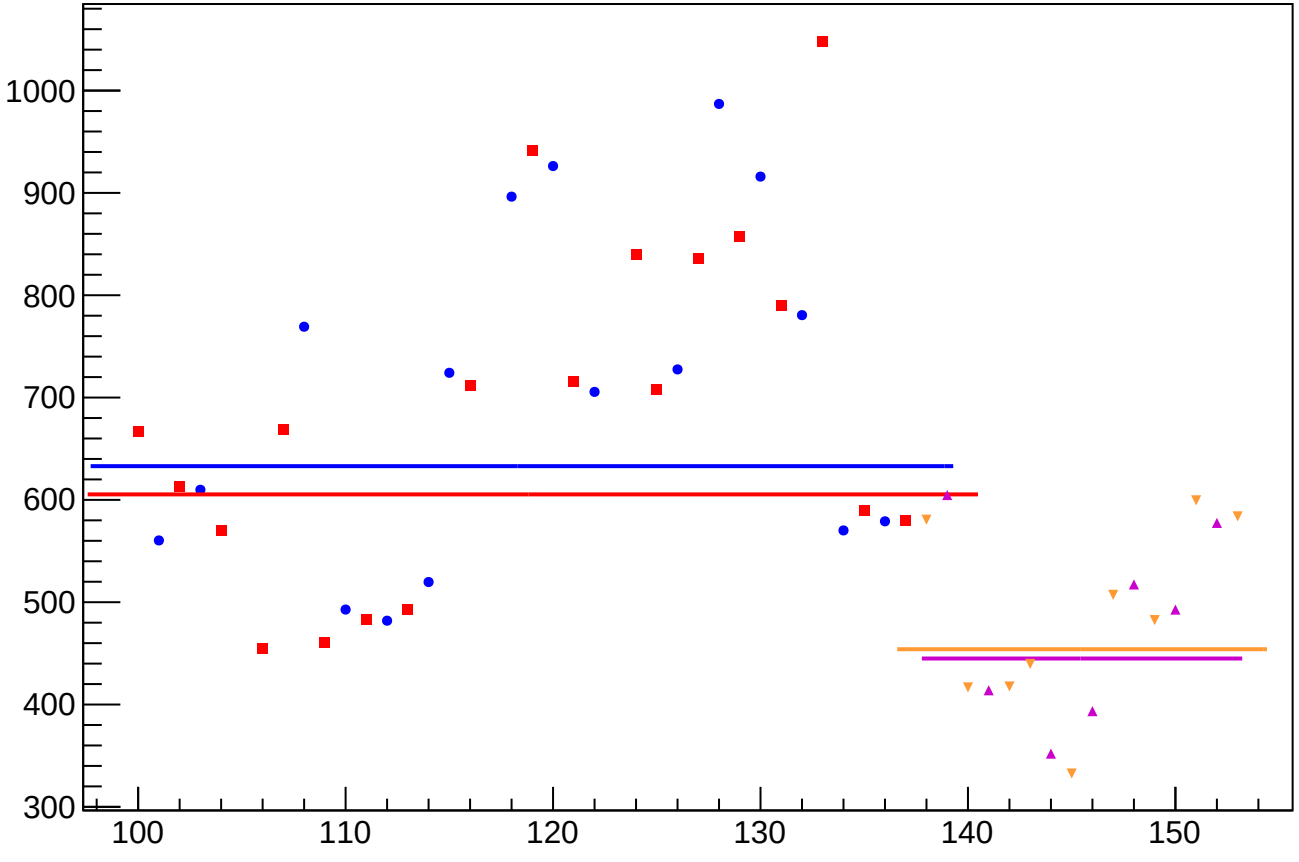
Right: 218.820+/-166.484 χ^2/NDF: 39.1/34

In: 53.335+/-146.400 χ^2/NDF:28.2/22

Out: -261.125+/-139.210 χ^2/NDF:54.8/27

All: -111.807+/-100.882 χ^2/NDF: 85.4/50

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 454.056+/-0.124 χ^2/NDF:510483.6/8

Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 444.968+/-0.130 χ^2/NDF:420507.6/6

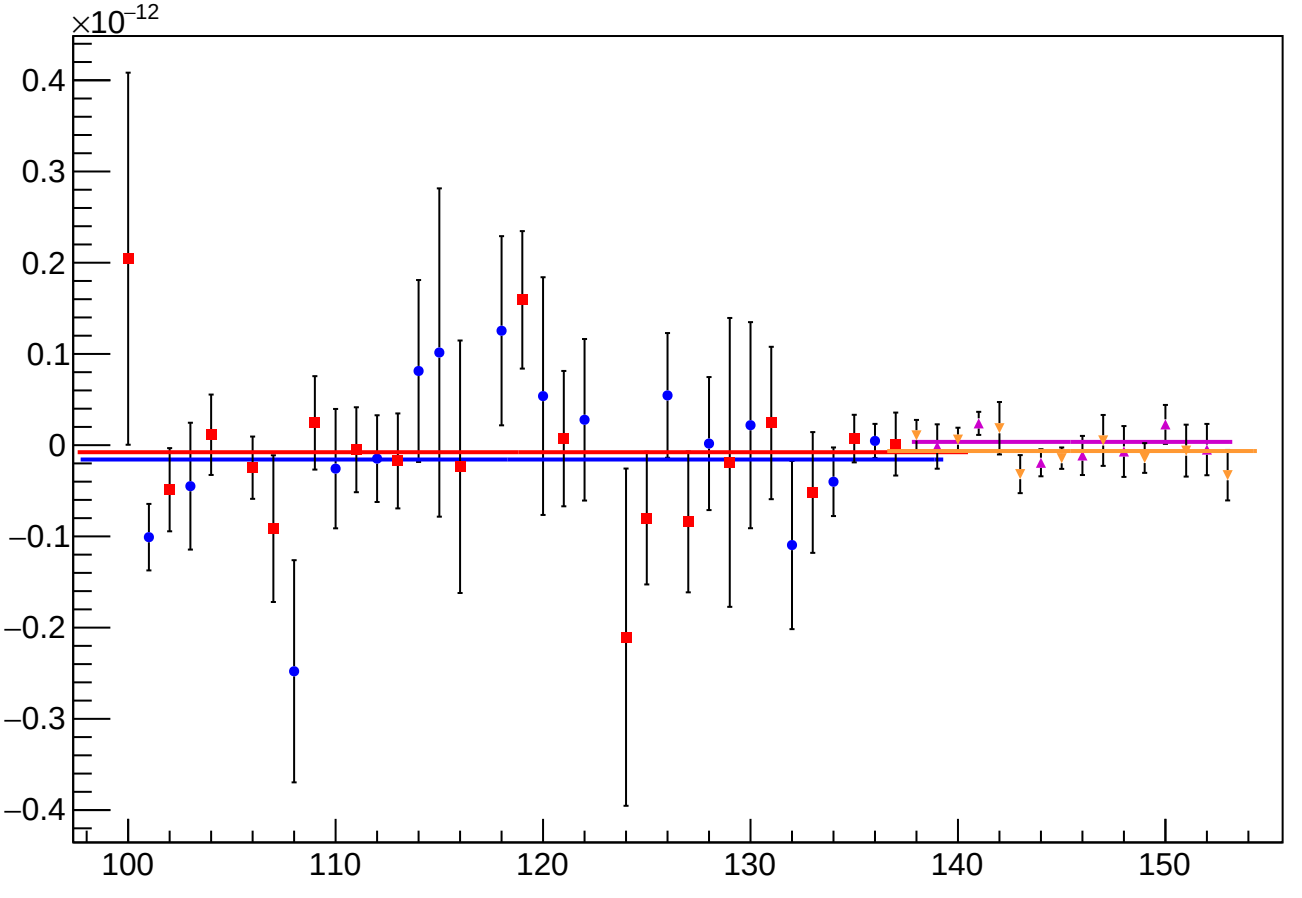
Left: 449.720+/-0.090 χ^2/NDF: 933553.2/15

Right: 618.368+/-0.118 χ^2/NDF: 1548821.0/34

In: 513.434+/-0.104 χ^2/NDF:1865312.0/22

Out: 510.028+/-0.098 χ^2/NDF:1915237.5/27

All: 511.646+/-0.071 χ^2/NDF: 3781117.9/50



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.9/8

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:6.5/6

Left: -0.000+/-0.000 χ^2/NDF: 13.6/15

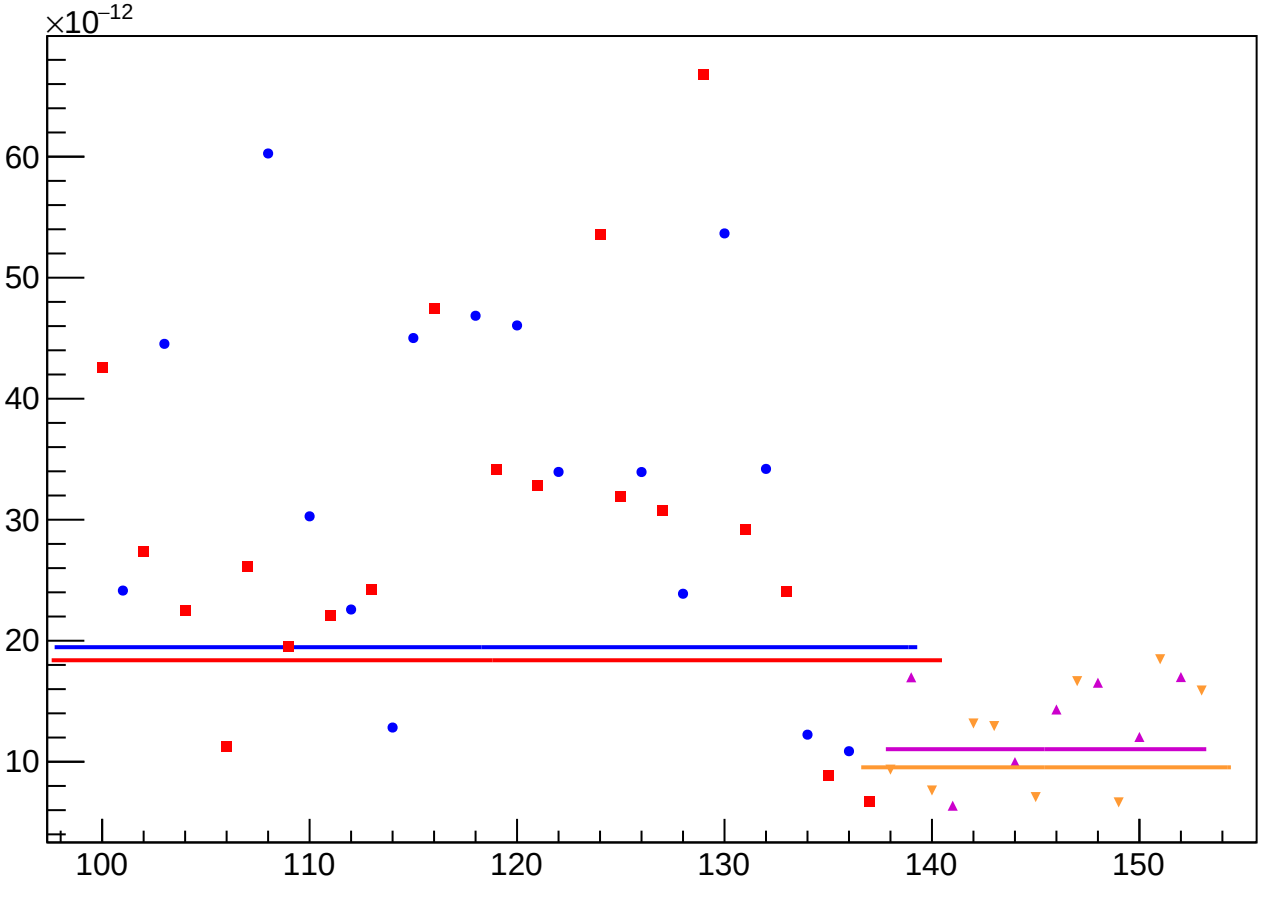
Right: -0.000+/-0.000 χ^2/NDF: 30.1/34

In: -0.000+/-0.000 χ^2/NDF:25.2/22

Out: -0.000+/-0.000 χ^2/NDF:18.9/27

All: -0.000+/-0.000 χ^2/NDF: 44.6/50

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:711912.6/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

Left In: 0.000+/-0.000 χ^2/NDF:620826.8/6

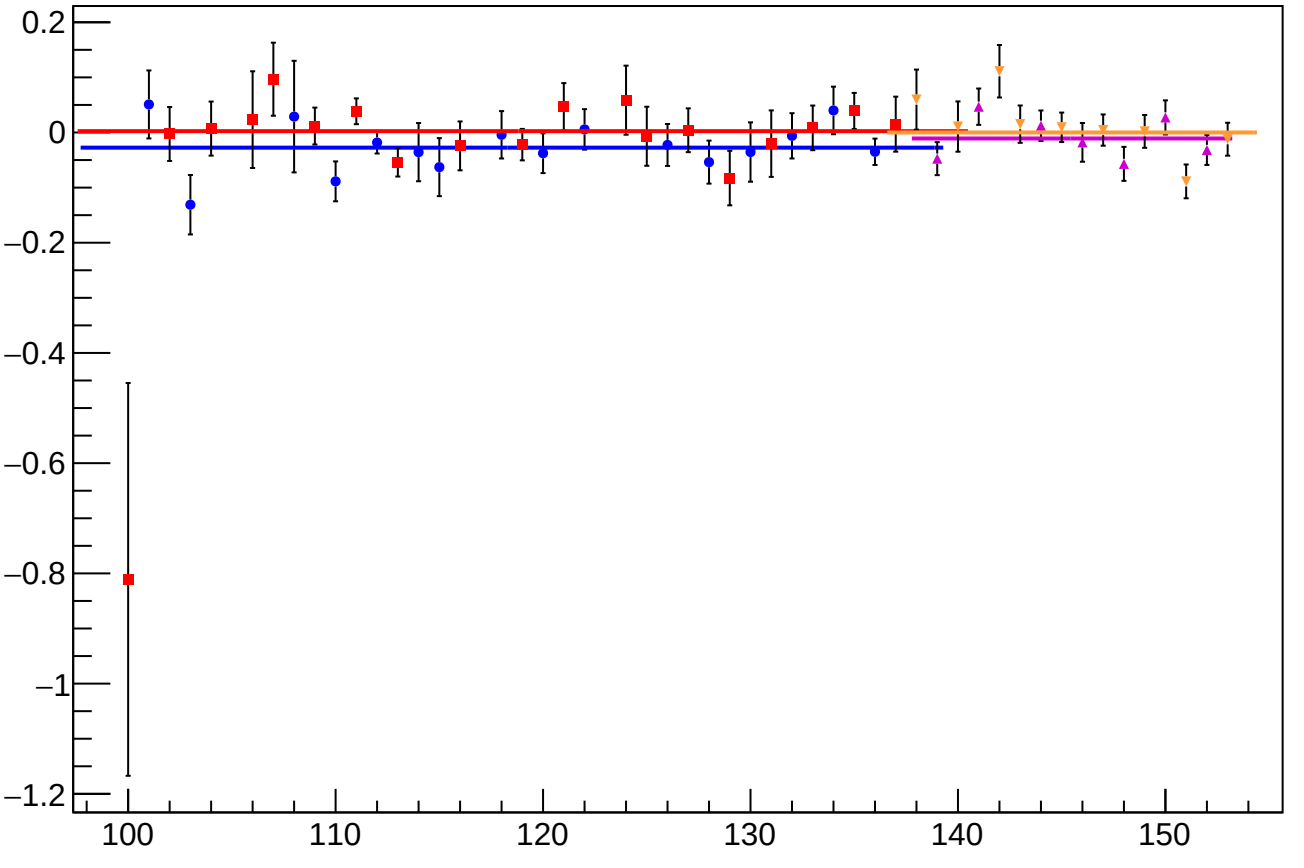
Left: 0.000+/-0.000 χ^2/NDF: 1383944.4/15

Right: 0.000+/-0.000 χ^2/NDF: 3187950.4/34

In: 0.000+/-0.000 χ^2/NDF:3031423.4/22

Out: 0.000+/-0.000 χ^2/NDF:3007405.3/27

All: 0.000+/-0.000 χ^2/NDF: 6136872.3/50



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.000+/-0.011 χ^2/NDF:15.6/8

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.011+/-0.011 χ^2/NDF:9.6/6

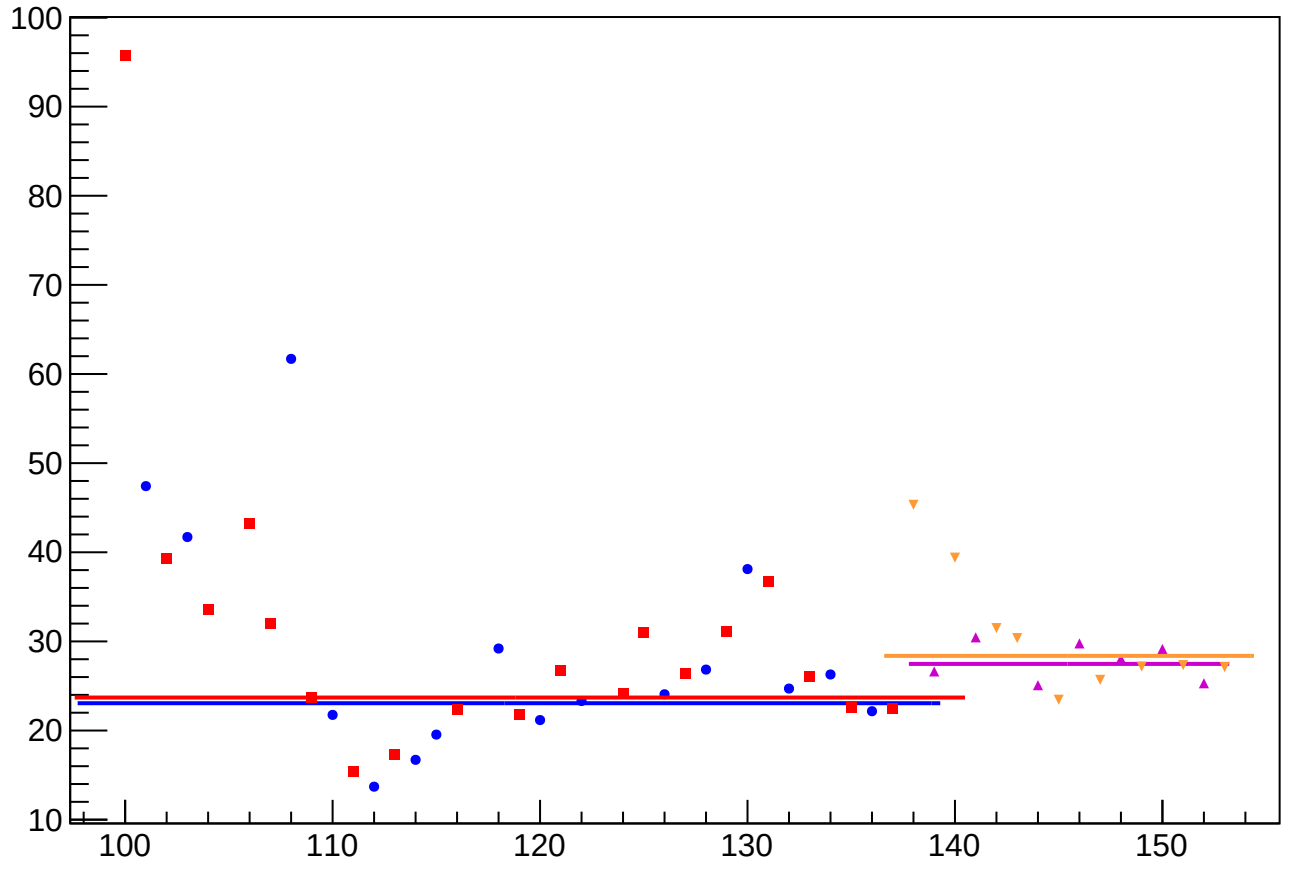
Left: -0.005+/-0.008 χ^2/NDF: 25.7/15

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.021+/-0.007 χ^2/NDF:24.5/22

Out: 0.001+/-0.007 χ^2/NDF:37.7/27

All: -0.009+/-0.005 χ^2/NDF: 67.1/50



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 28.378+/-0.008 χ^2/NDF:420512.0/8

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.475+/-0.008 χ^2/NDF:60611.3/6

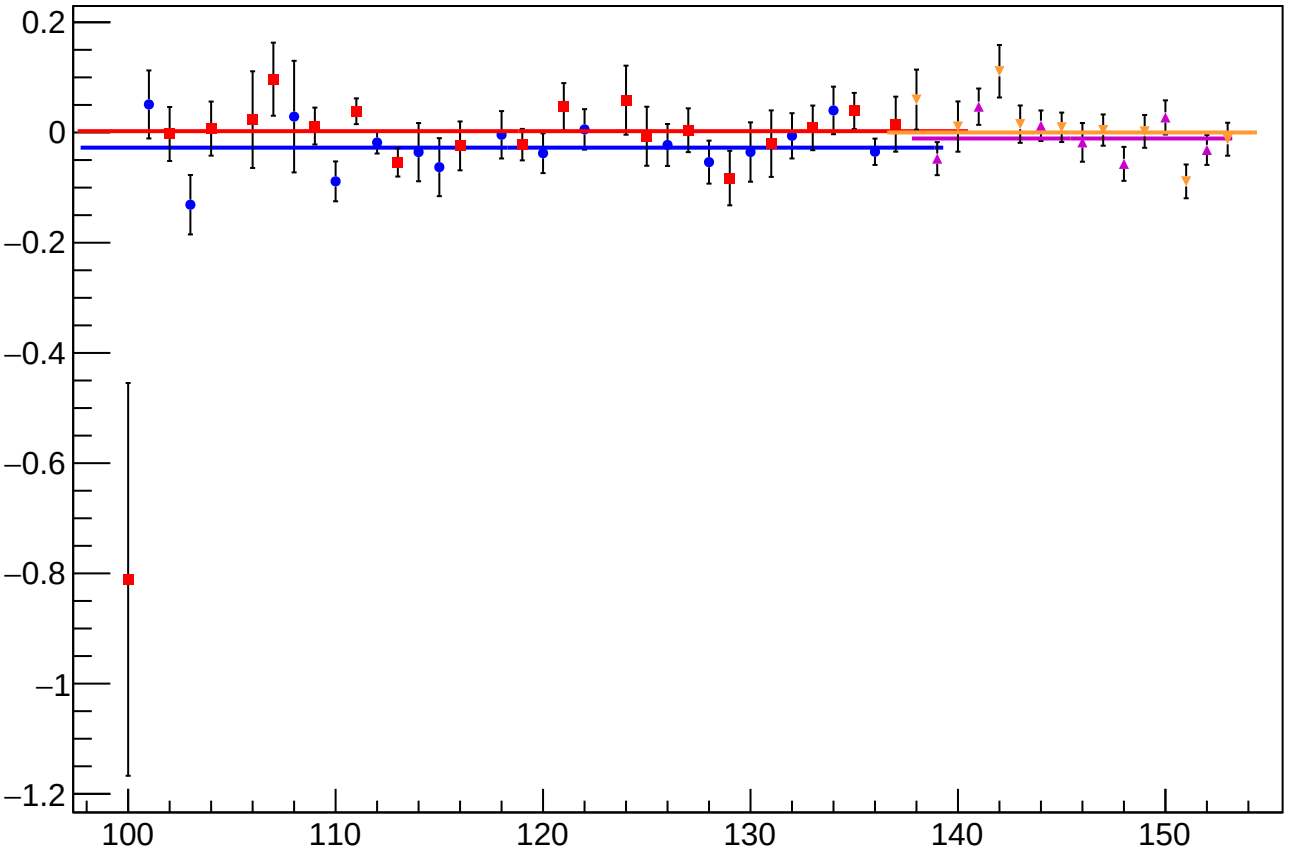
Left: 27.941+/-0.006 χ^2/NDF: 487507.4/15

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 24.834+/-0.005 χ^2/NDF:1801844.2/22

Out: 25.624+/-0.005 χ^2/NDF:1717214.0/27

All: 25.237+/-0.004 χ^2/NDF: 3531100.1/50



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.000+/-0.011 χ^2/NDF:15.6/8

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.011+/-0.011 χ^2/NDF:9.6/6

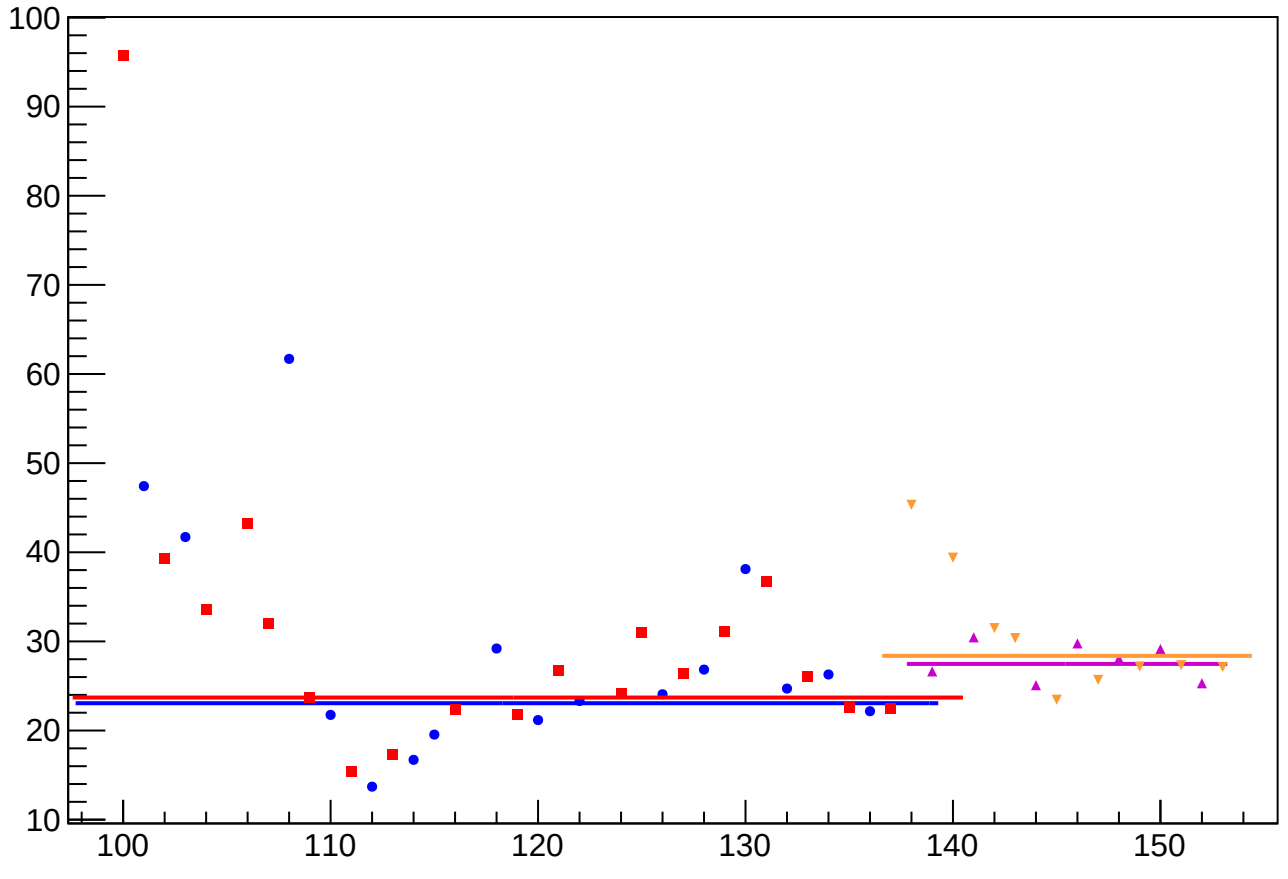
Left: -0.005+/-0.008 χ^2/NDF: 25.7/15

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.021+/-0.007 χ^2/NDF:24.5/22

Out: 0.001+/-0.007 χ^2/NDF:37.7/27

All: -0.009+/-0.005 χ^2/NDF: 67.1/50



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 28.378+/-0.008 χ^2/NDF:420512.0/8

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 27.475+/-0.008 χ^2/NDF:60611.3/6

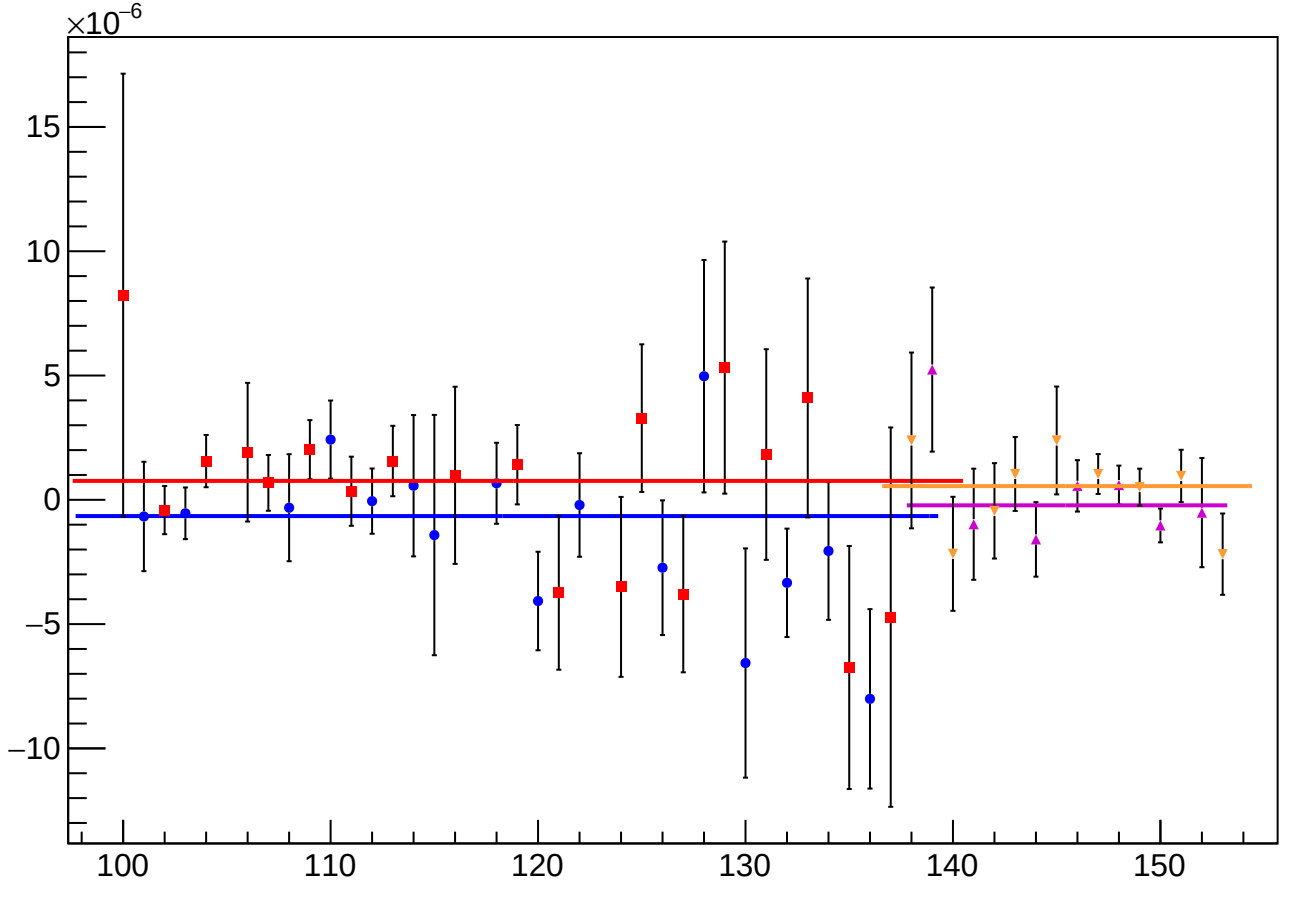
Left: 27.941+/-0.006 χ^2/NDF: 487507.4/15

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 24.834+/-0.005 χ^2/NDF:1801844.2/22

Out: 25.624+/-0.005 χ^2/NDF:1717214.0/27

All: 25.237+/-0.004 χ^2/NDF: 3531100.1/50



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.1/8

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:6.8/6

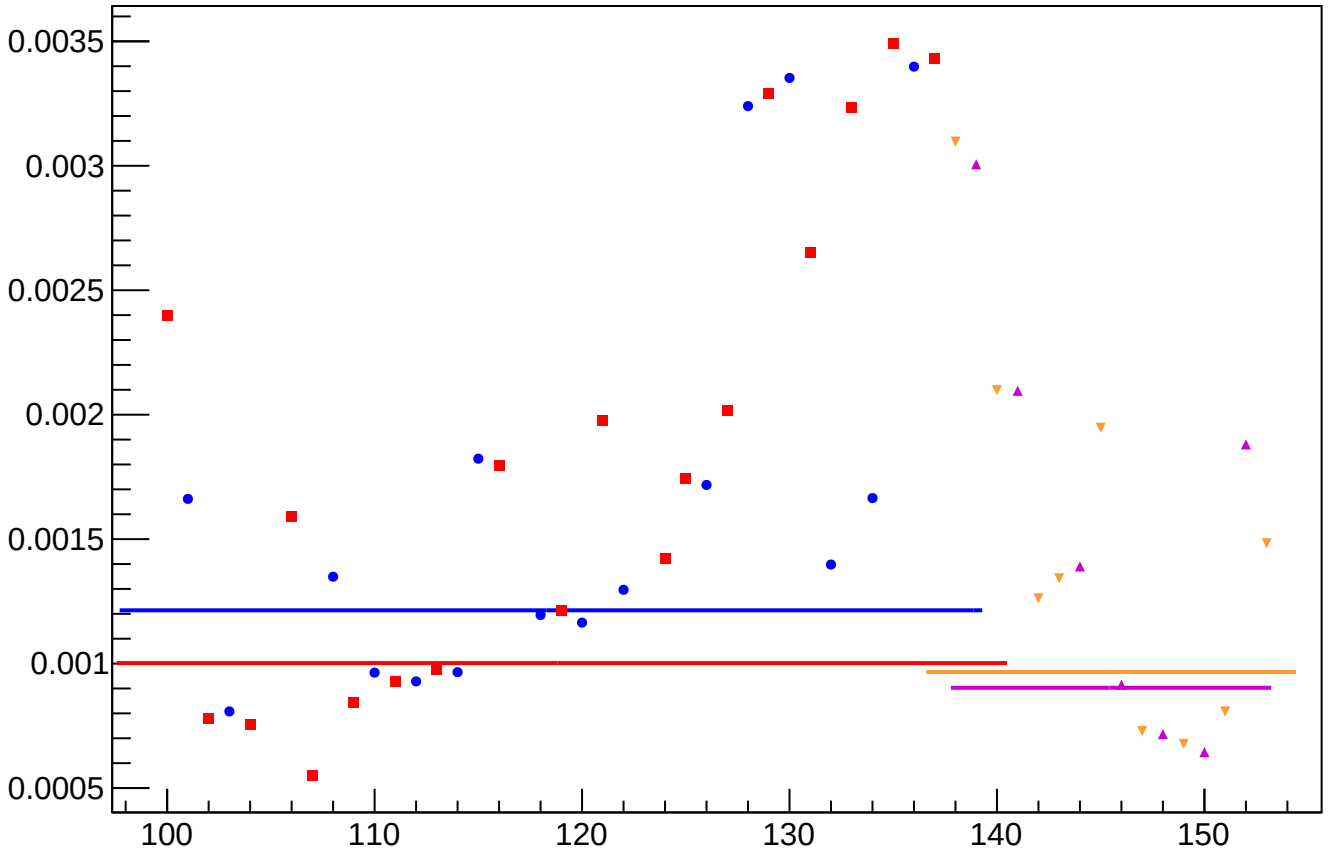
Left: 0.000+/-0.000 χ^2/NDF: 14.6/15

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:24.8/22

Out: 0.000+/-0.000 χ^2/NDF:21.4/27

All: 0.000+/-0.000 χ^2/NDF: 52.1/50



Right In: 0.001+/-0.000 χ^2/NDF: 2267402.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:2523387.6/8

Right Out: 0.001+/-0.000 χ^2/NDF: 3277225.7/18

Left In: 0.001+/-0.000 χ^2/NDF:2392614.9/6

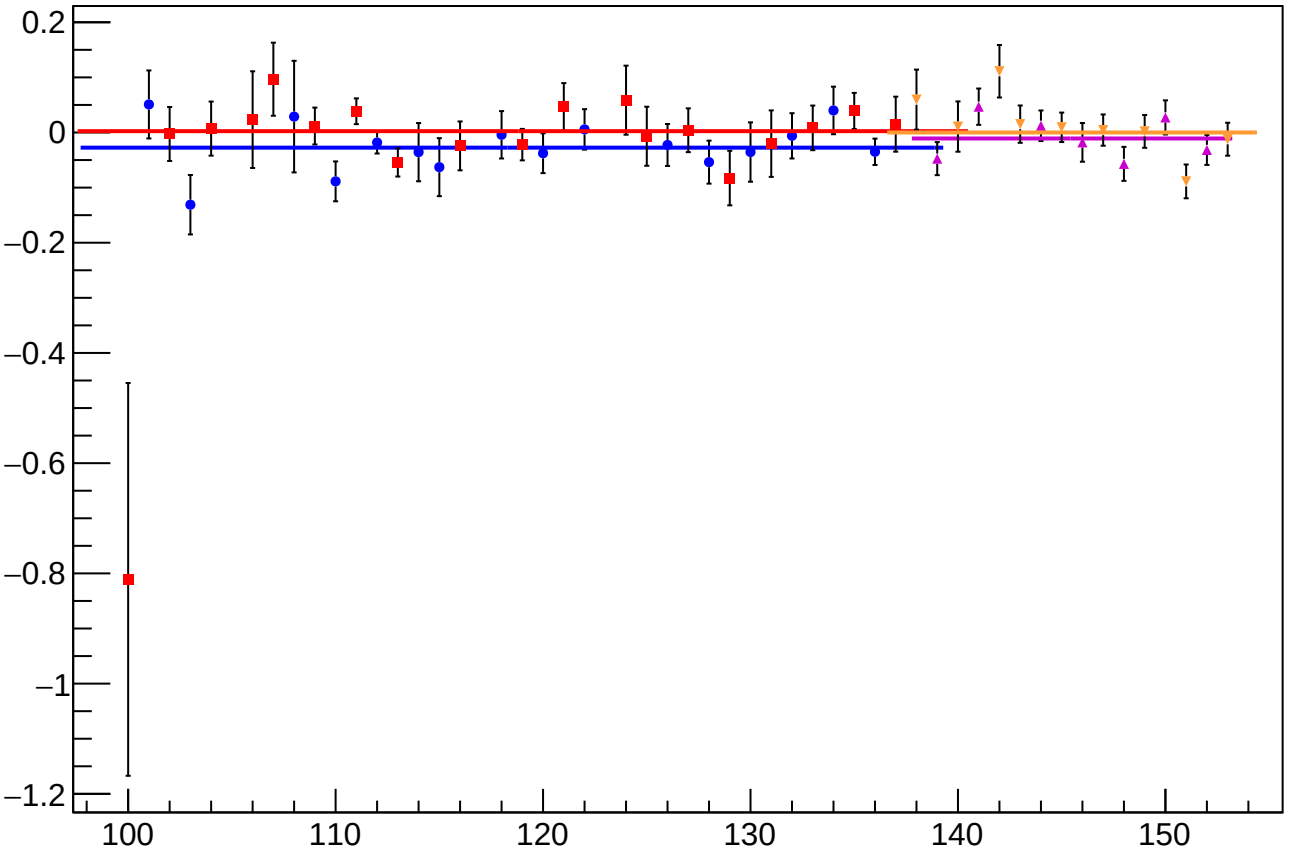
Left: 0.001+/-0.000 χ^2/NDF: 4939056.0/15

Right: 0.001+/-0.000 χ^2/NDF: 5755876.1/34

In: 0.001+/-0.000 χ^2/NDF:5114799.7/22

Out: 0.001+/-0.000 χ^2/NDF:5808097.1/27

All: 0.001+/-0.000 χ^2/NDF: 10947004.8/50



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.000+/-0.011 χ^2/NDF:15.6/8

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.011+/-0.011 χ^2/NDF:9.6/6

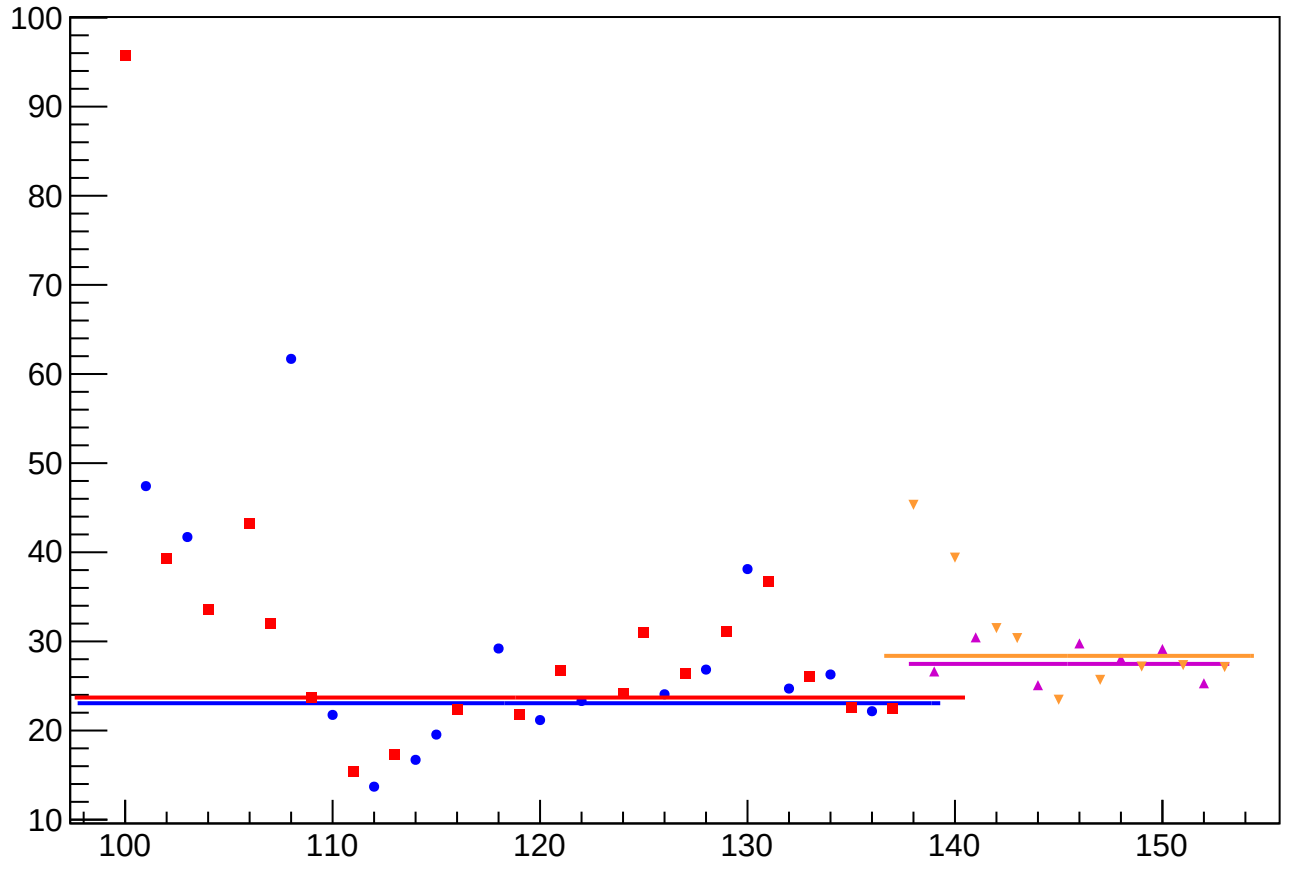
Left: -0.005+/-0.008 χ^2/NDF: 25.7/15

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.021+/-0.007 χ^2/NDF:24.5/22

Out: 0.001+/-0.007 χ^2/NDF:37.7/27

All: -0.009+/-0.005 χ^2/NDF: 67.1/50



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 28.379+/-0.008 χ^2/NDF:420472.4/8

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.475+/-0.008 χ^2/NDF:60602.5/6

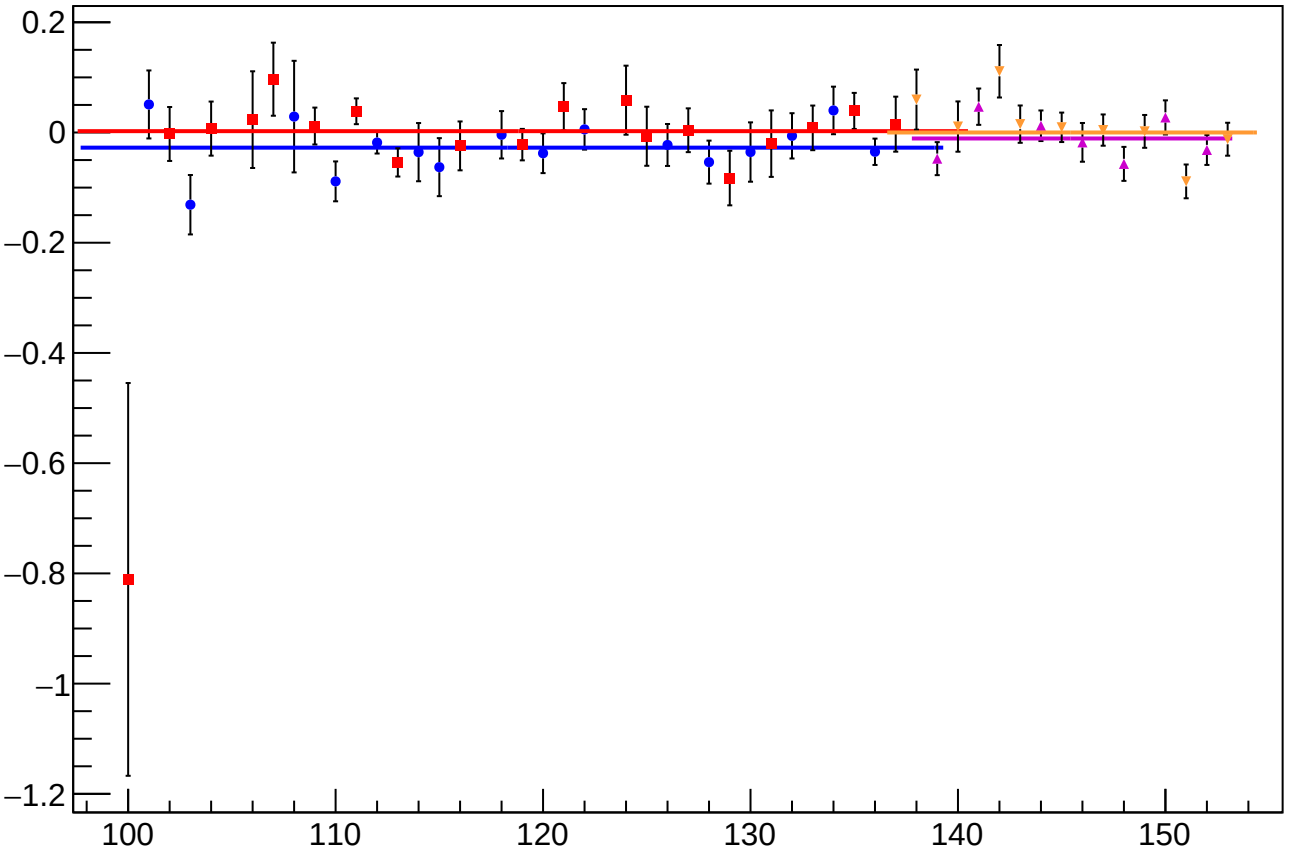
Left: 27.941+/-0.006 χ^2/NDF: 487461.6/15

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 24.834+/-0.005 χ^2/NDF:1801875.4/22

Out: 25.624+/-0.005 χ^2/NDF:1717259.9/27

All: 25.237+/-0.004 χ^2/NDF: 3531178.6/50



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.000+/-0.011 χ^2/NDF:15.6/8

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.011+/-0.011 χ^2/NDF:9.6/6

Left: -0.005+/-0.008 χ^2/NDF: 25.7/15

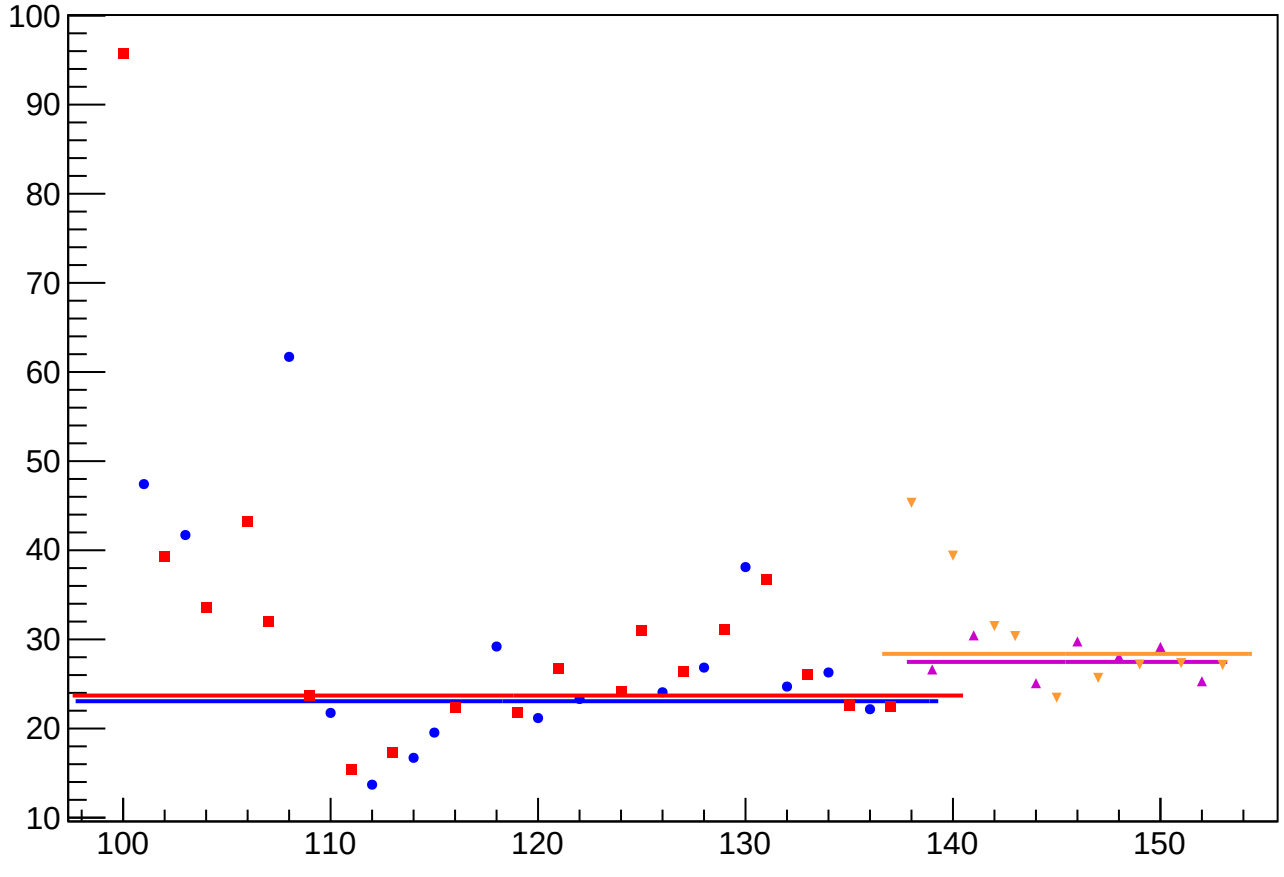
Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.021+/-0.007 χ^2/NDF:24.5/22

Out: 0.001+/-0.007 χ^2/NDF:37.7/27

All: -0.009+/-0.005 χ^2/NDF: 67.1/50

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: 28.379+/-0.008 χ^2/NDF:420472.4/8

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 27.475+/-0.008 χ^2/NDF:60602.5/6

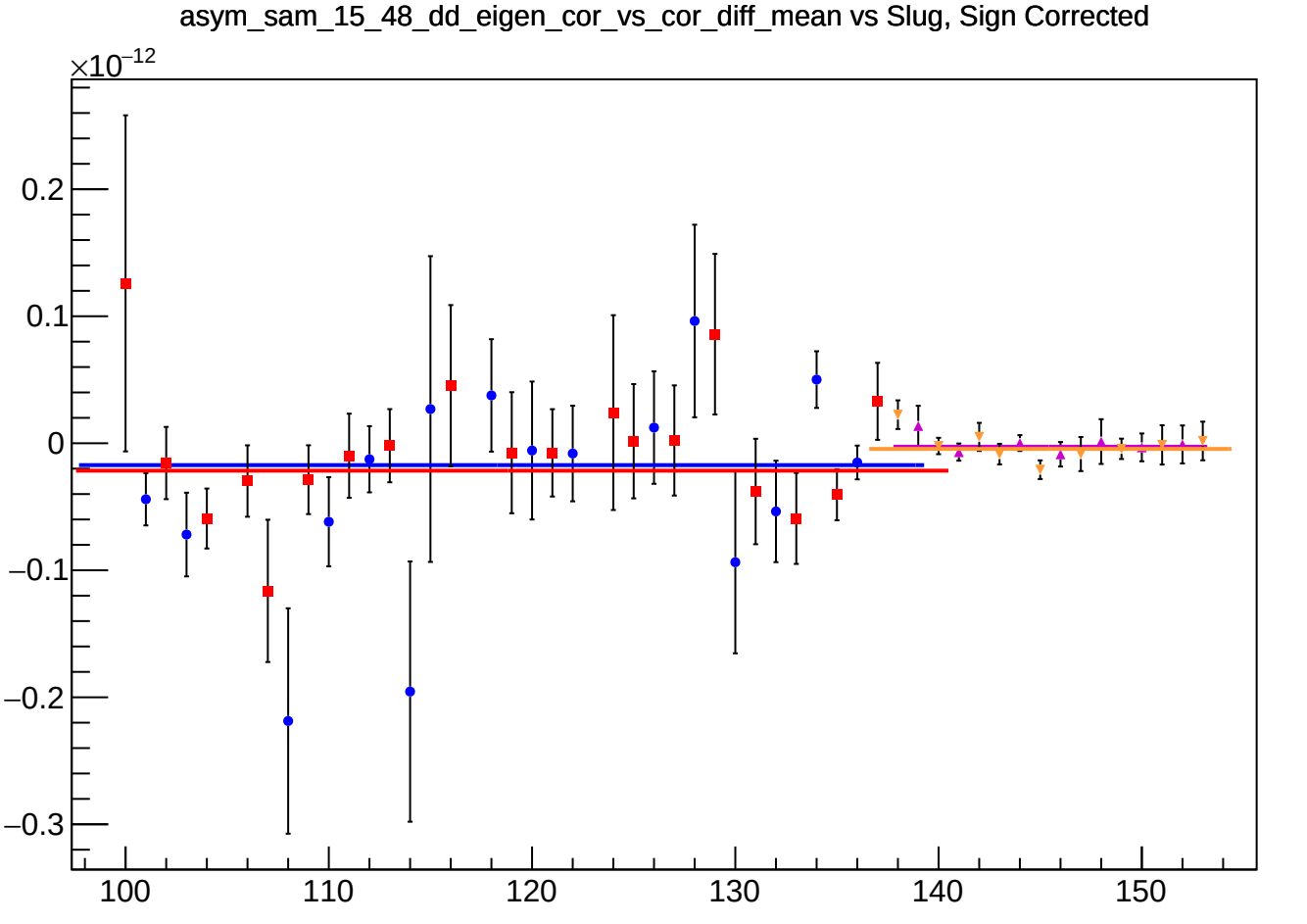
Left: 27.941+/-0.006 χ^2/NDF: 487461.6/15

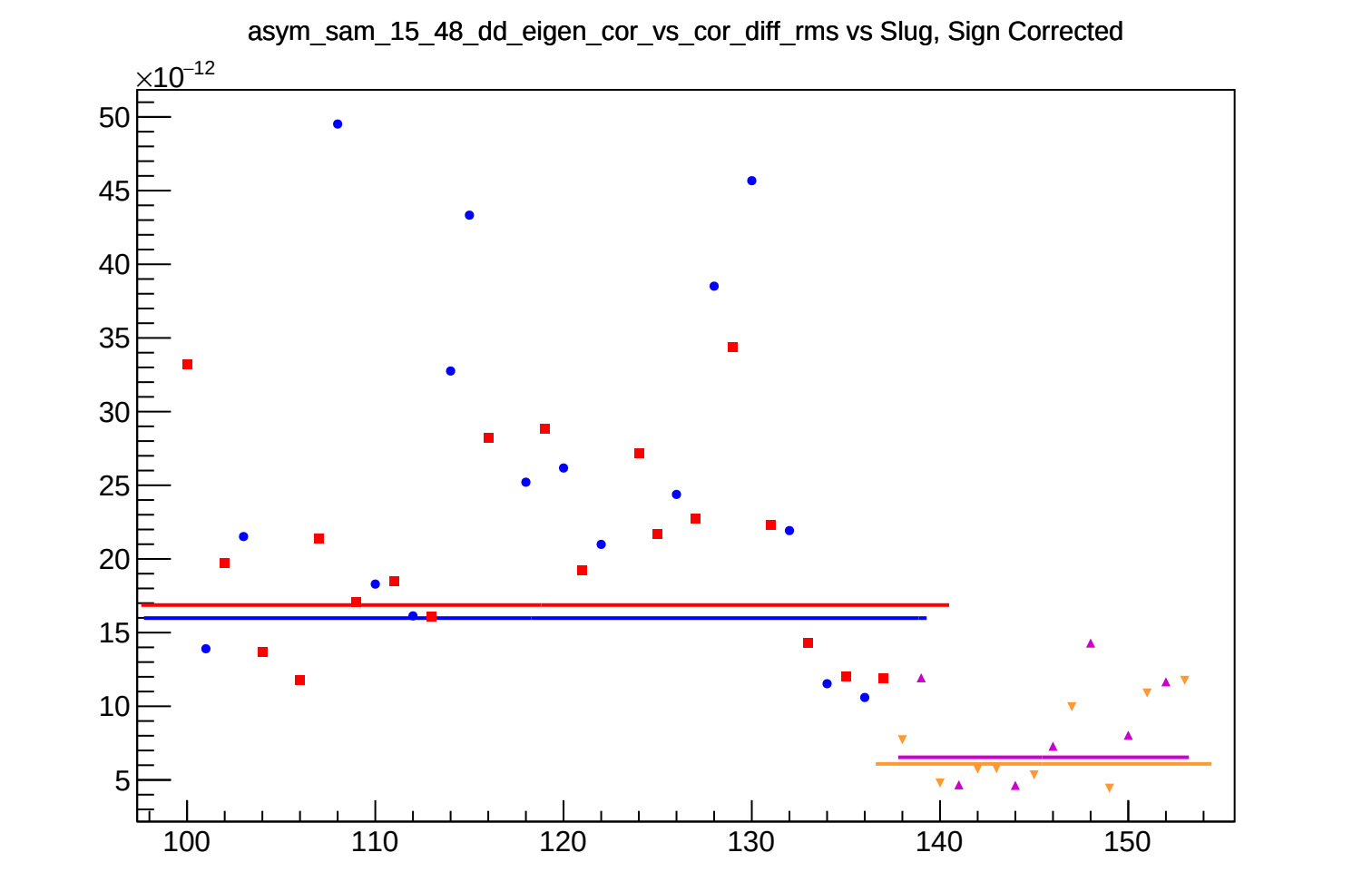
Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 24.834+/-0.005 χ^2/NDF:1801875.4/22

Out: 25.624+/-0.005 χ^2/NDF:1717259.9/27

All: 25.237+/-0.004 χ^2/NDF: 3531178.6/50


asym_sam_15_48_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
Right In: -0.000+/-0.000 χ²/NDF: 29.9/15
Left Out: -0.000+/-0.000 χ²/NDF:12.1/8
Right Out: -0.000+/-0.000 χ²/NDF: 18.0/18
Left In: -0.000+/-0.000 χ²/NDF:2.1/6
Left: -0.000+/-0.000 χ²/NDF: 14.3/15
Right: -0.000+/-0.000 χ²/NDF: 48.0/34
In: -0.000+/-0.000 χ²/NDF:34.8/22
Out: -0.000+/-0.000 χ²/NDF:34.2/27
All: -0.000+/-0.000 χ²/NDF: 69.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 1764617.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:871805.2/8

Right Out: 0.000+/-0.000 χ^2/NDF: 835680.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1243619.8/6

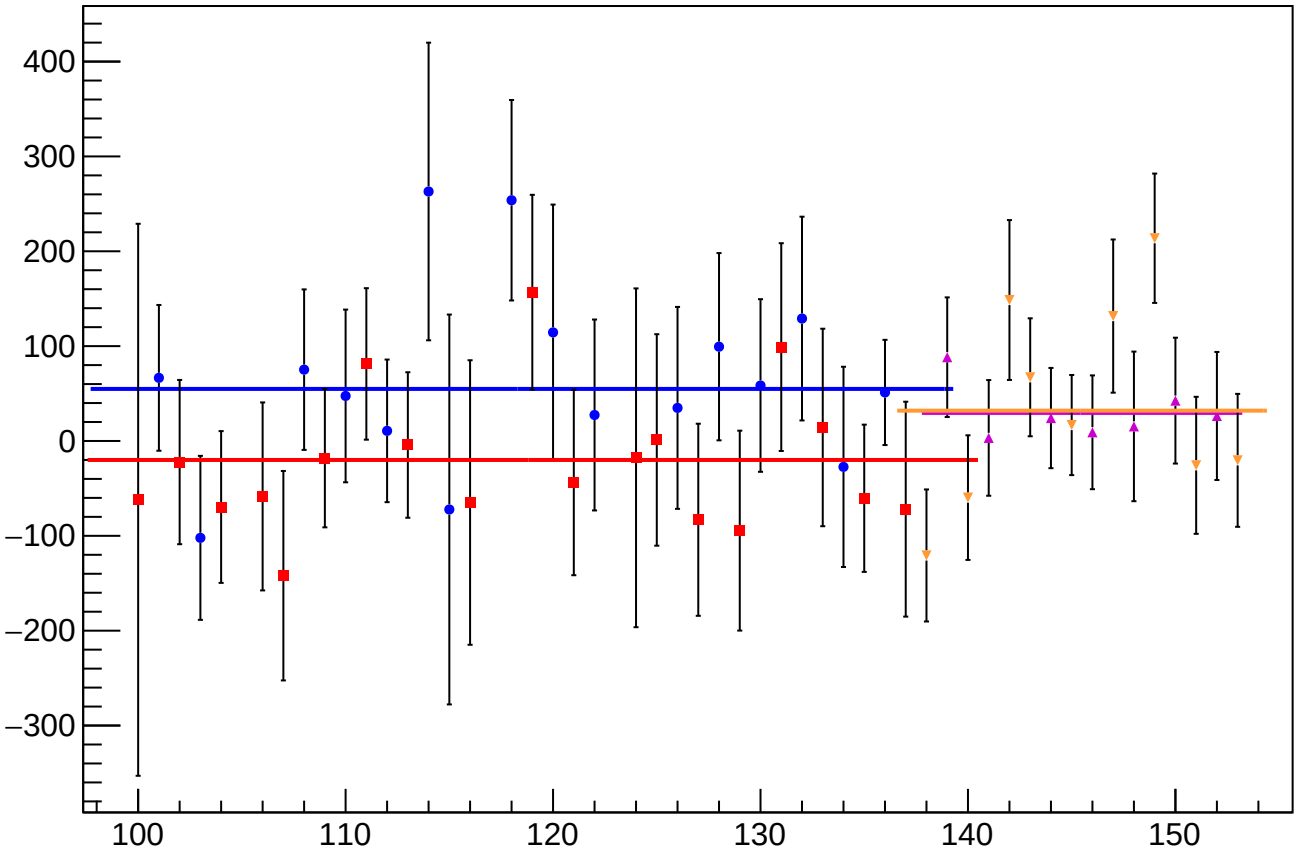
Left: 0.000+/-0.000 χ^2/NDF: 2133191.3/15

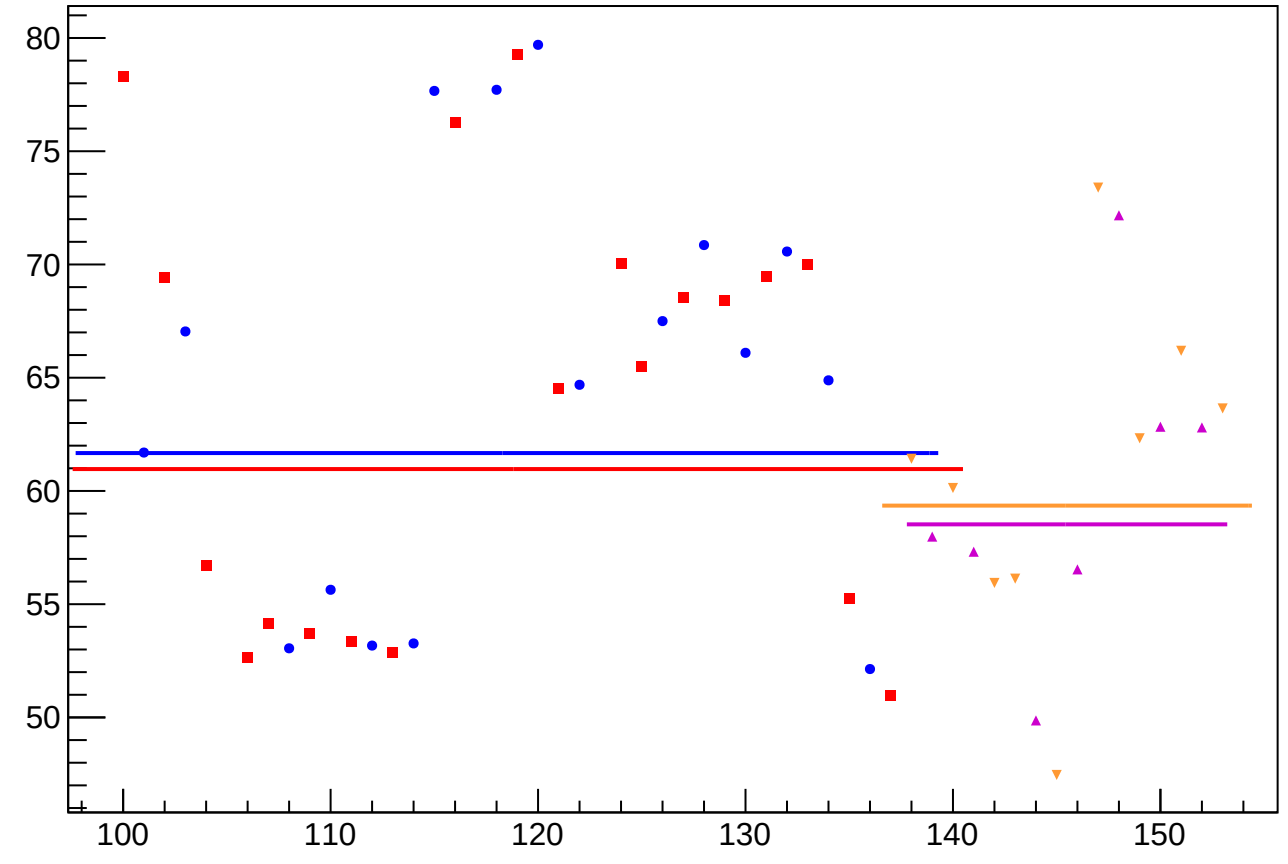
Right: 0.000+/-0.000 χ^2/NDF: 2613122.2/34

In: 0.000+/-0.000 χ^2/NDF:5453201.8/22

Out: 0.000+/-0.000 χ^2/NDF:4938149.6/27

All: 0.000+/-0.000 χ^2/NDF: 10435554.7/50


reg_asym_sam_37_48_dd_mean vs Slug, Sign Corrected
400
300
200
100
0
−100
−200
−300
100
110
120
130
140
150
Right In: 54.883+/-23.179 χ²/NDF: 11.0/15
Left Out: 31.965+/-22.586 χ²/NDF:18.9/8
Right Out: -20.020+/-22.571 χ²/NDF: 9.2/18
Left In: 29.596+/-23.811 χ²/NDF:1.3/6
Left: 30.843+/-16.387 χ²/NDF: 20.2/15
Right: 16.437+/-16.171 χ²/NDF: 25.6/34
In: 42.580+/-16.609 χ²/NDF:12.8/22
Out: 5.956+/-15.965 χ²/NDF:30.8/27
All: 23.544+/-11.510 χ²/NDF: 46.2/50



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 59.353+/-0.016 χ^2/NDF:201967.3/8

Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 58.525+/-0.017 χ^2/NDF:133186.1/6

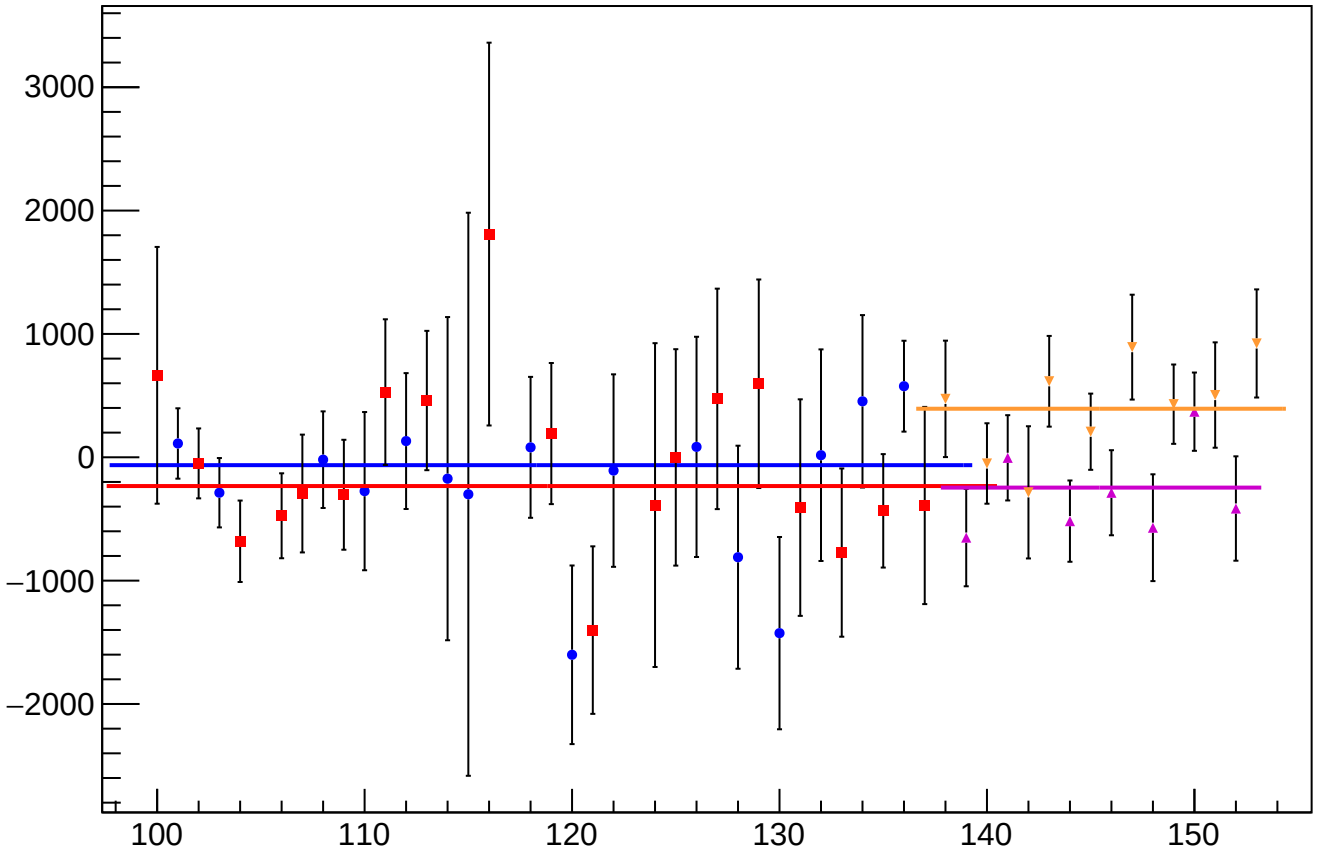
Left: 58.961+/-0.012 χ^2/NDF: 336425.9/15

Right: 61.310+/-0.011 χ^2/NDF: 552244.9/34

In: 60.141+/-0.012 χ^2/NDF:418243.3/22

Out: 60.160+/-0.011 χ^2/NDF:491259.2/27

All: 60.151+/-0.008 χ^2/NDF: 909503.9/50



Right In: -63.834+/-129.674 χ^2/NDF: 13.2/15

Left Out: 393.630+/-127.897 χ^2/NDF:7.1/8

Right Out: -233.206+/-122.791 χ^2/NDF: 14.5/18

Left In: -245.803+/-137.024 χ^2/NDF:6.7/6

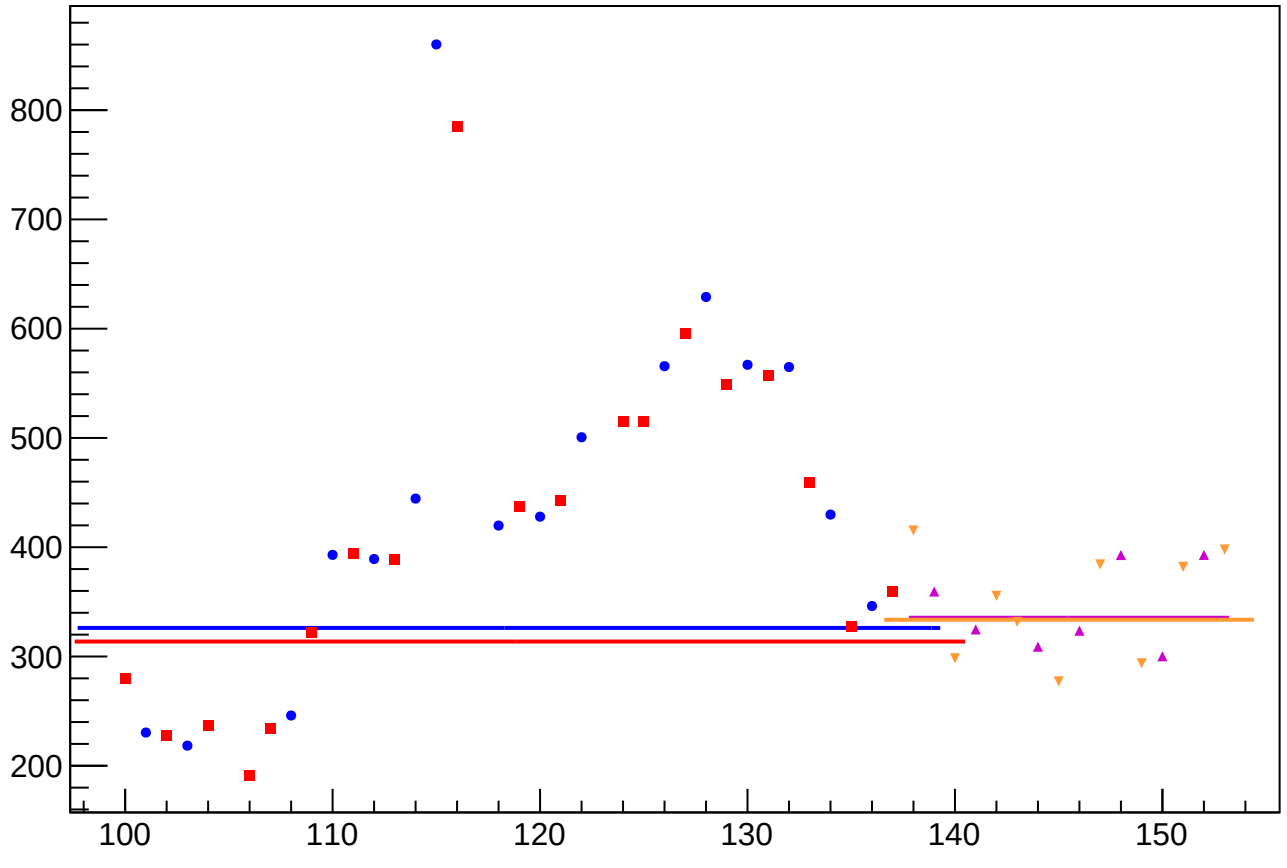
Left: 95.917+/-93.497 χ^2/NDF: 25.5/15

Right: -153.135+/-89.161 χ^2/NDF: 28.6/34

In: -149.808+/-94.185 χ^2/NDF:20.8/22

Out: 67.450+/-88.576 χ^2/NDF:34.1/27

All: -34.518+/-64.525 χ^2/NDF: 57.8/50



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 333.639+/-0.090 χ^2/NDF:281268.1/8

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

Left In: 335.437+/-0.097 χ^2/NDF:121438.3/6

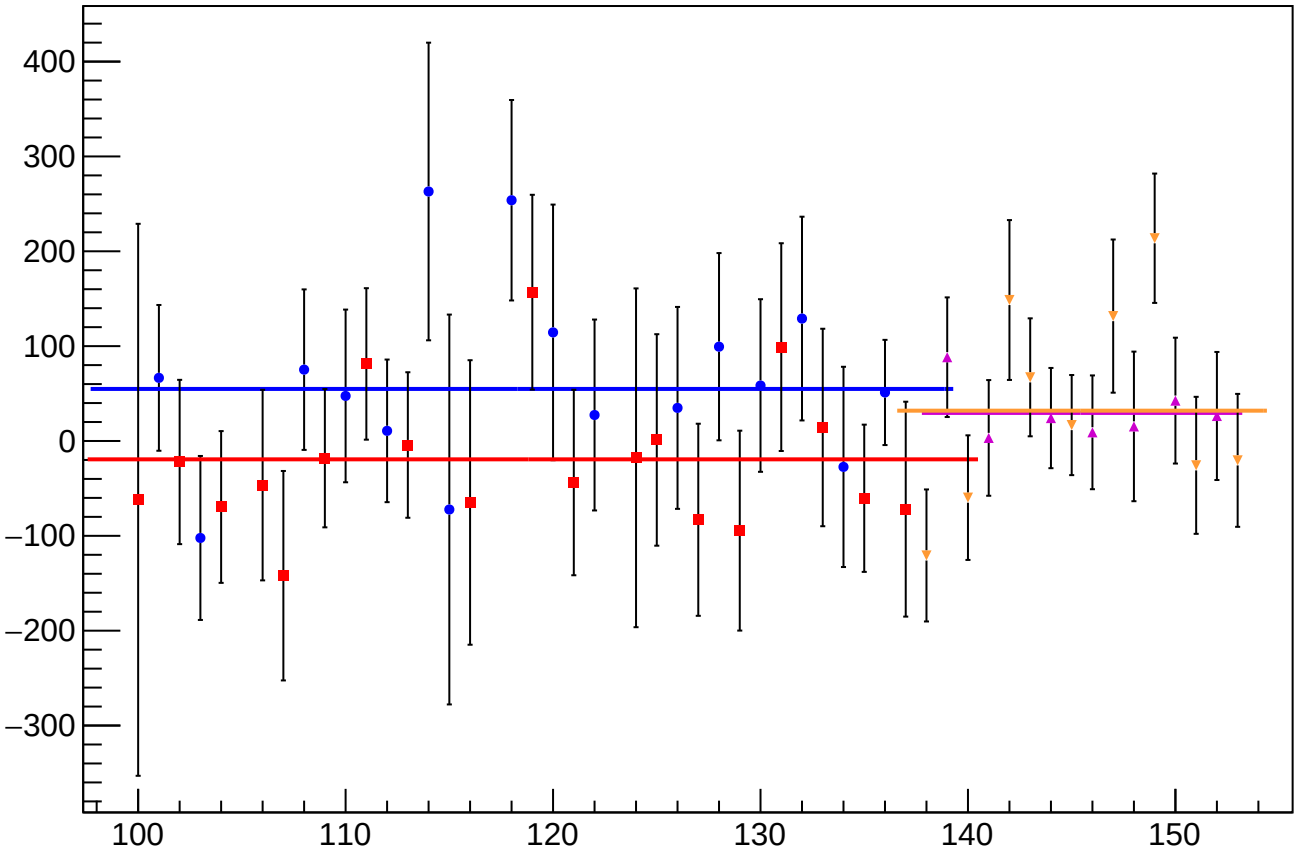
Left: 334.476+/-0.066 χ^2/NDF: 402890.5/15

Right: 319.570+/-0.063 χ^2/NDF: 3531102.5/34

In: 330.536+/-0.067 χ^2/NDF:1860282.9/22

Out: 323.249+/-0.063 χ^2/NDF:2093979.6/27

All: 326.669+/-0.046 χ^2/NDF: 3960616.2/50



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 31.960+/-22.586 χ^2/NDF:18.9/8

Right Out: -19.352+/-22.588 χ^2/NDF: 9.2/18

Left In: 29.594+/-23.811 χ^2/NDF:1.3/6

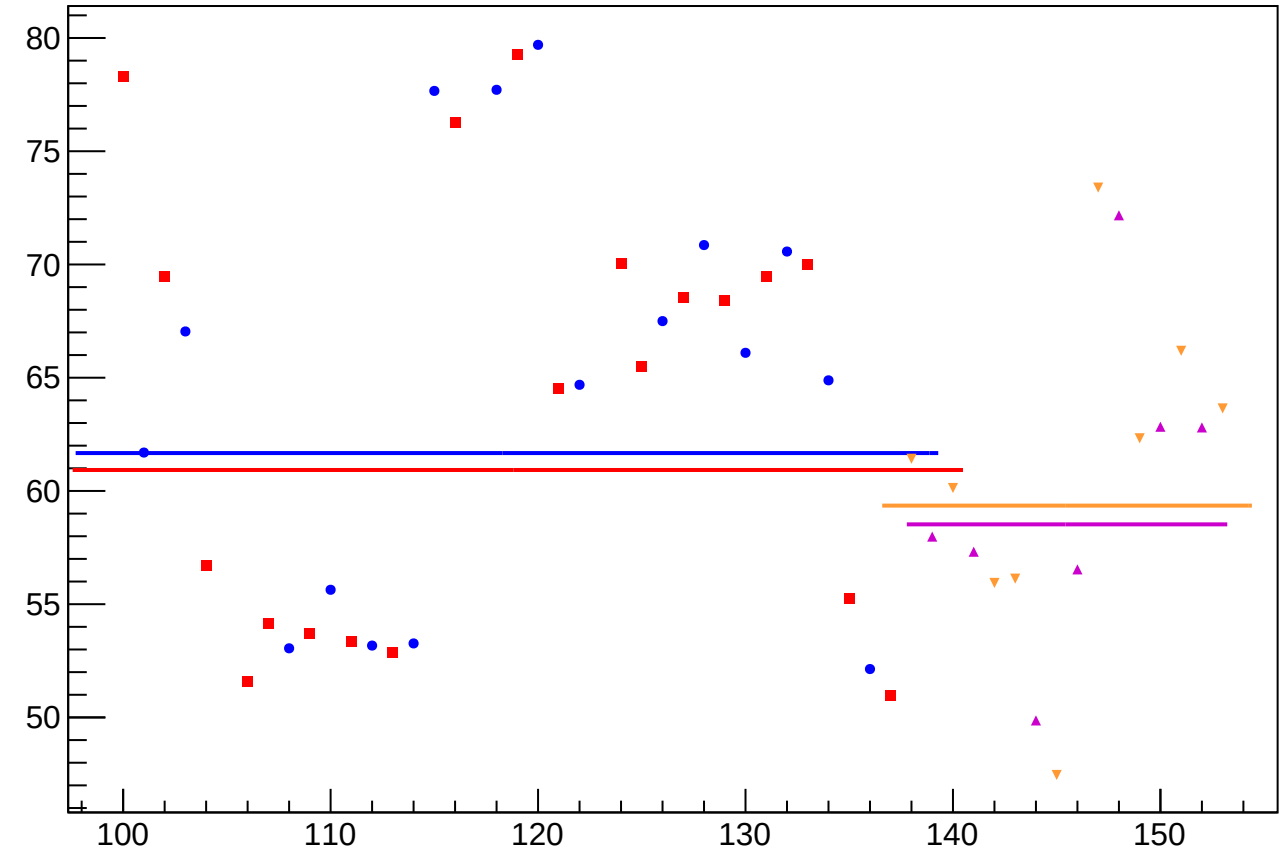
Left: 30.839+/-16.387 χ^2/NDF: 20.2/15

Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 42.575+/-16.609 χ^2/NDF:12.9/22

Out: 6.306+/-15.971 χ^2/NDF:30.6/27

All: 23.731+/-11.512 χ^2/NDF: 46.0/50



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 59.353+/-0.016 χ^2/NDF:201967.3/8

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 58.525+/-0.017 χ^2/NDF:133186.2/6

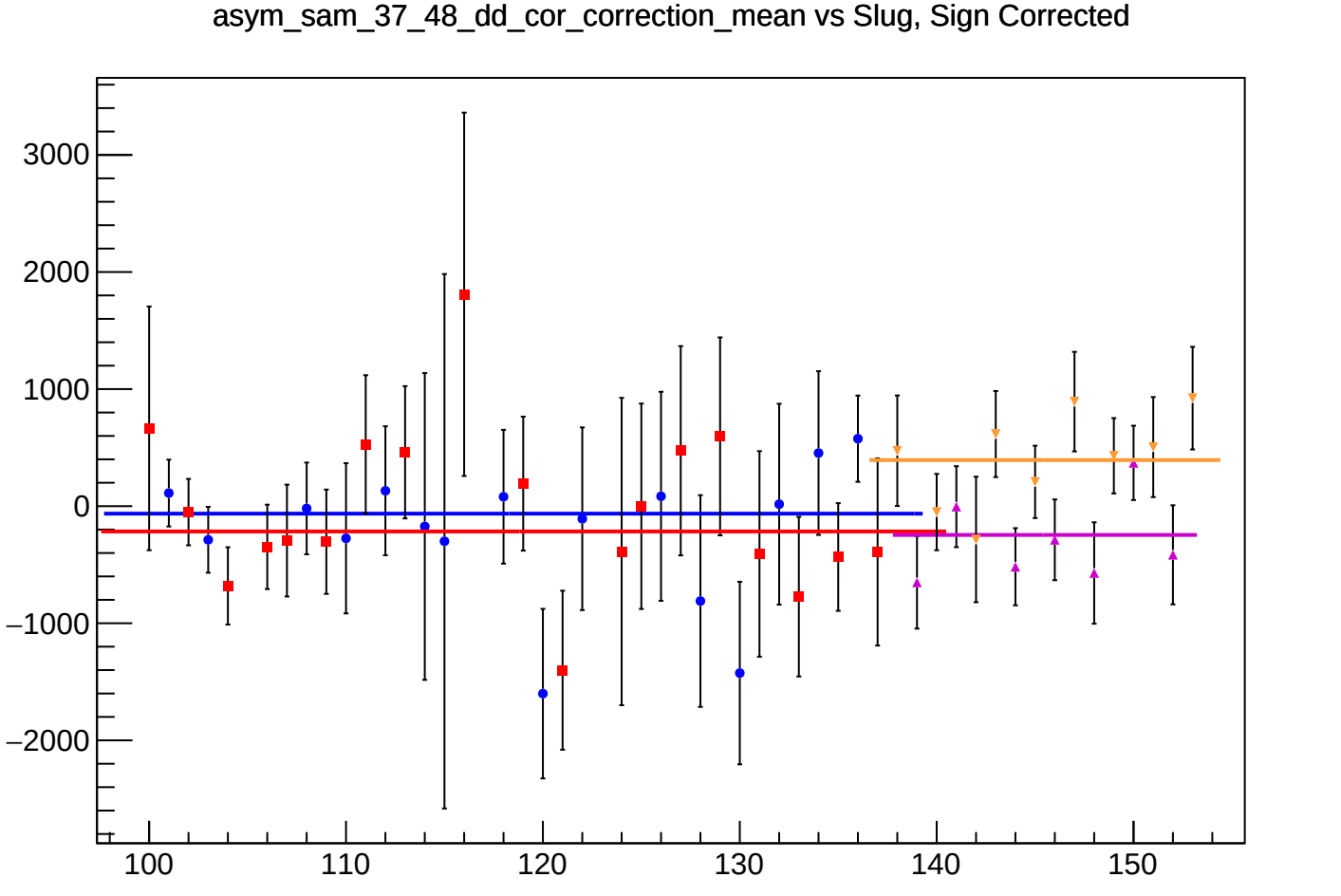
Left: 58.961+/-0.012 χ^2/NDF: 336425.9/15

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 60.141+/-0.012 χ^2/NDF:418243.6/22

Out: 60.139+/-0.011 χ^2/NDF:494396.8/27

All: 60.140+/-0.008 χ^2/NDF: 912640.5/50



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 393.629+/-127.897 χ^2/NDF:7.1/8

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: -245.803+/-137.024 χ^2/NDF:6.7/6

Left: 95.916+/-93.497 χ^2/NDF: 25.5/15

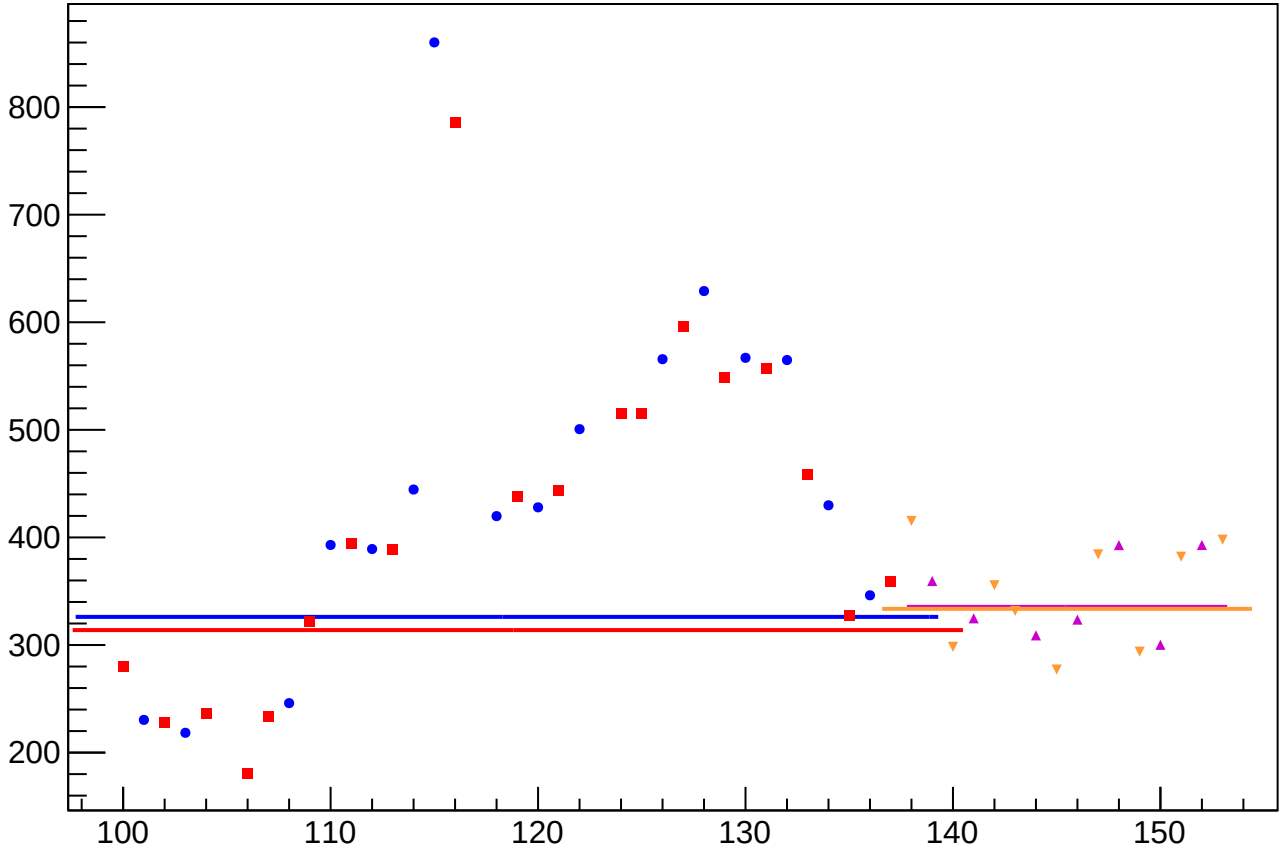
Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -149.801+/-94.185 χ^2/NDF:20.8/22

Out: 78.180+/-88.838 χ^2/NDF:33.0/27

All: -29.156+/-64.626 χ^2/NDF: 56.9/50

asym_sam_37_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 333.639+/-0.090 χ^2/NDF:281268.5/8

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 335.437+/-0.097 χ^2/NDF:121437.2/6

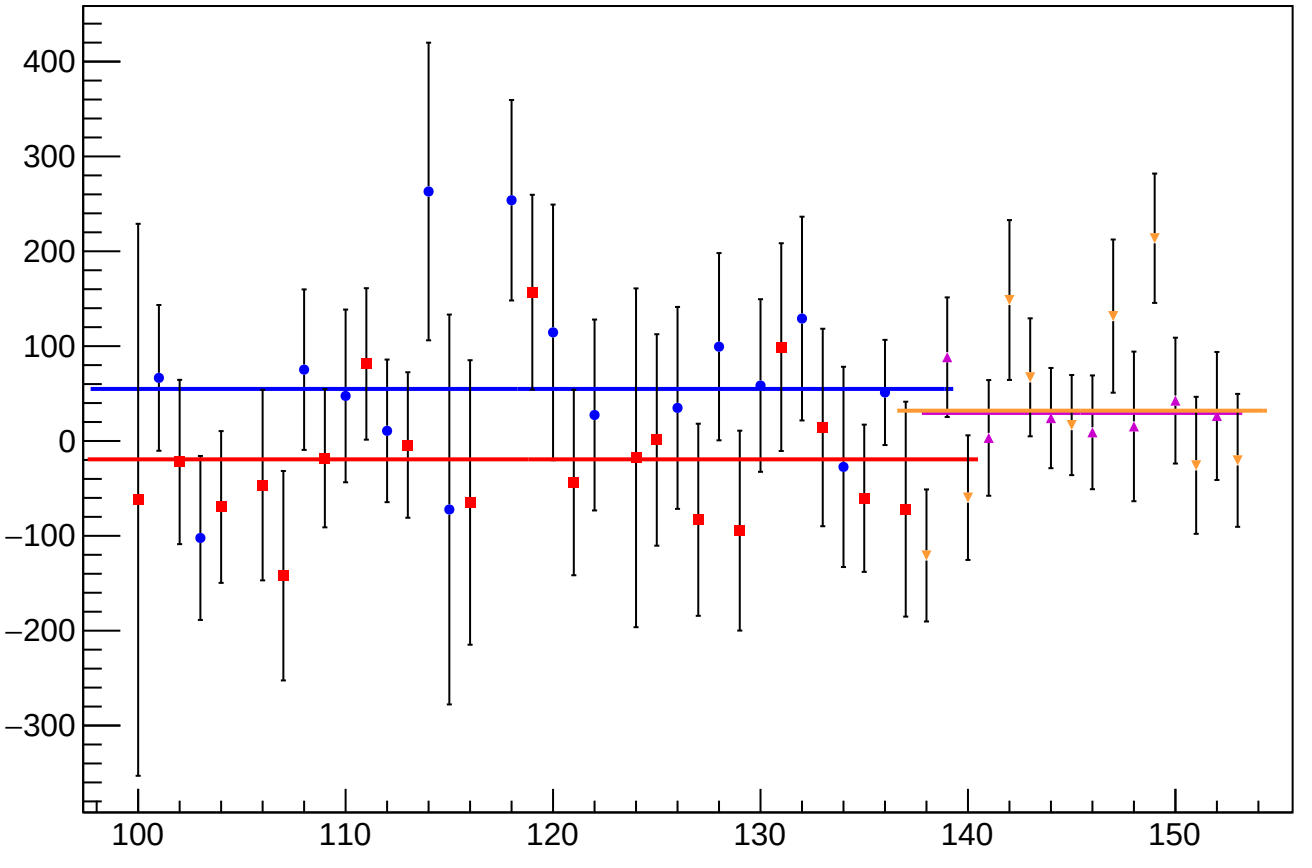
Left: 334.476+/-0.066 χ^2/NDF: 402889.8/15

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 330.538+/-0.067 χ^2/NDF:1860218.1/22

Out: 323.403+/-0.063 χ^2/NDF:2111799.0/27

All: 326.762+/-0.046 χ^2/NDF: 3978090.4/50



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 31.960+/-22.586 χ^2/NDF:18.9/8

Right Out: -19.352+/-22.588 χ^2/NDF: 9.2/18

Left In: 29.594+/-23.811 χ^2/NDF:1.3/6

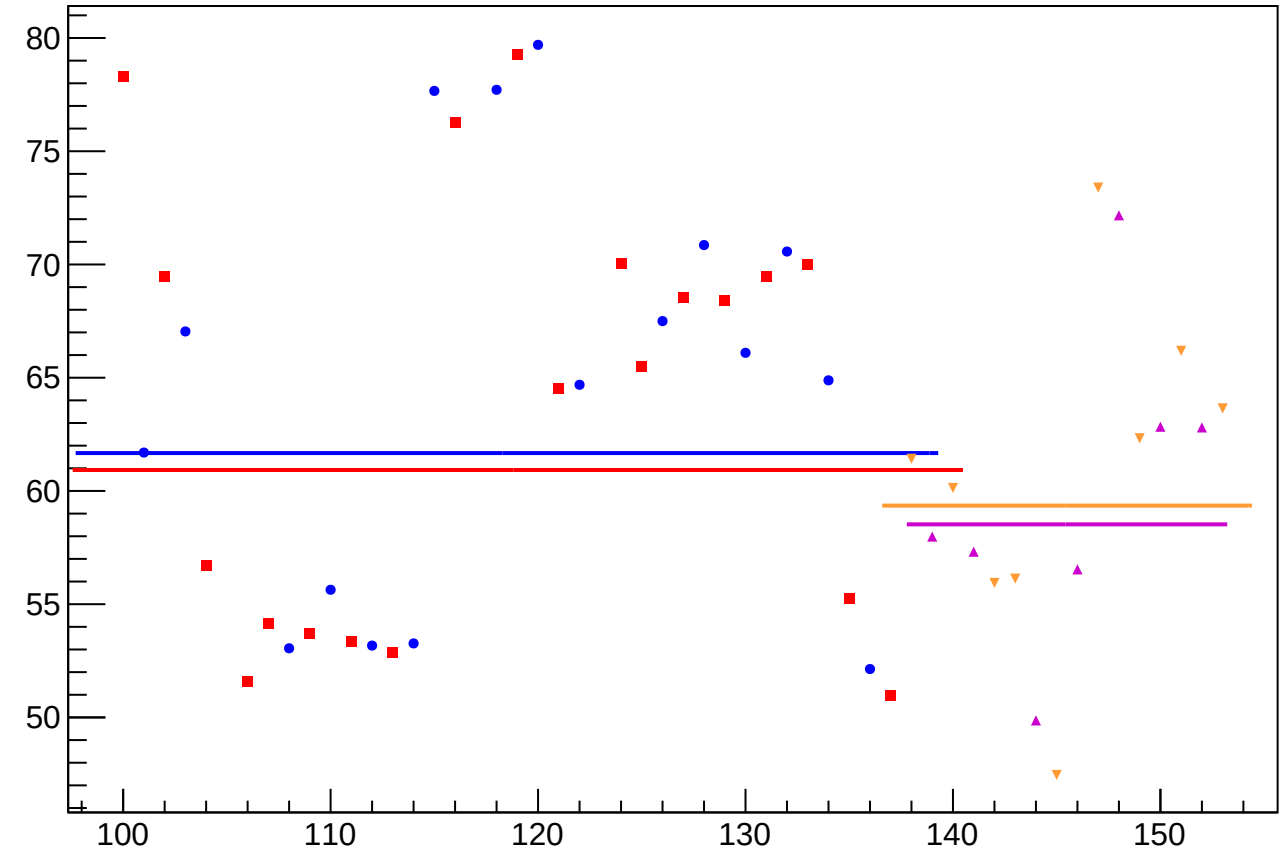
Left: 30.839+/-16.387 χ^2/NDF: 20.2/15

Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 42.575+/-16.609 χ^2/NDF:12.9/22

Out: 6.306+/-15.971 χ^2/NDF:30.6/27

All: 23.731+/-11.512 χ^2/NDF: 46.0/50



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 59.353+/-0.016 χ^2/NDF:201967.3/8

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 58.525+/-0.017 χ^2/NDF:133186.2/6

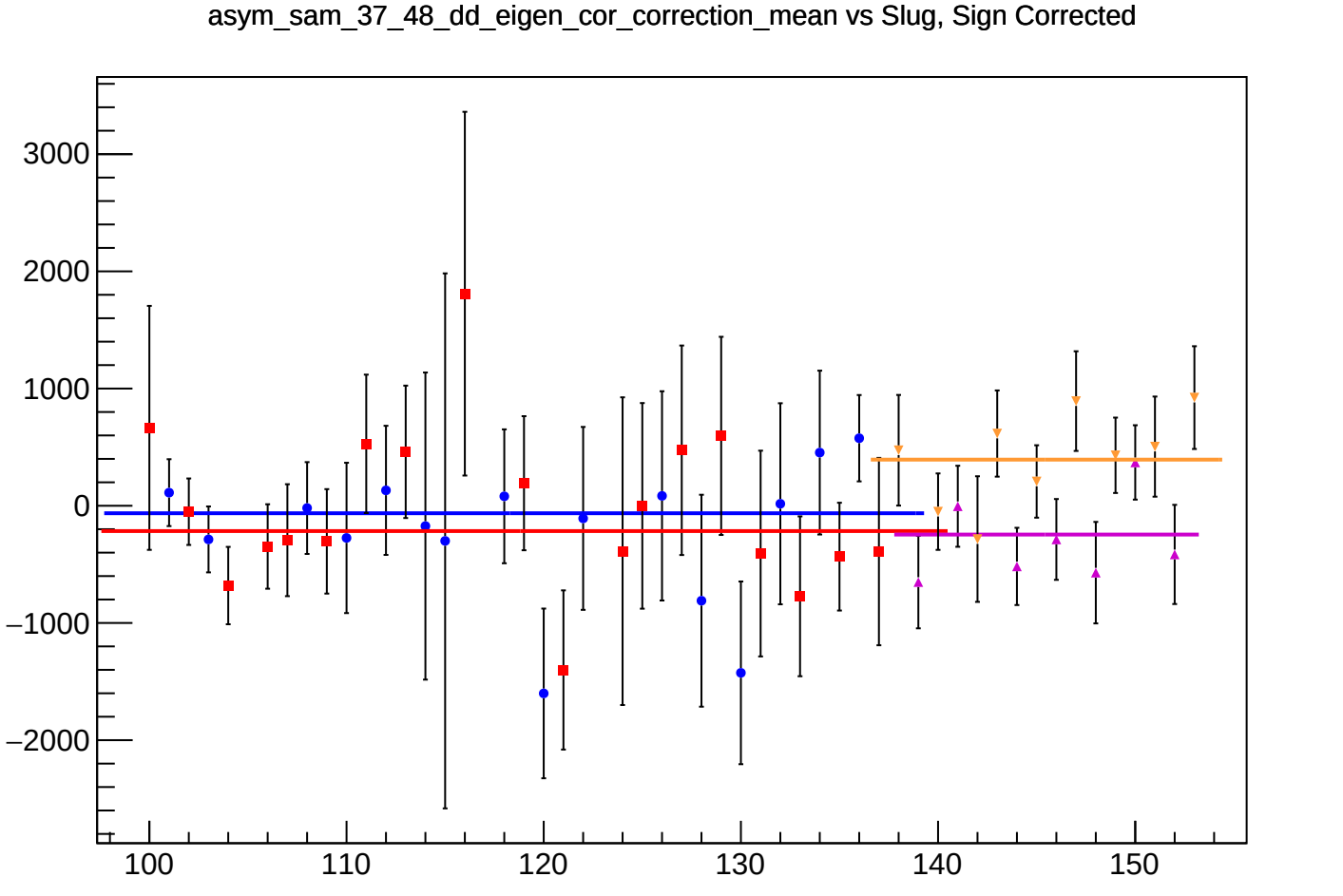
Left: 58.961+/-0.012 χ^2/NDF: 336425.9/15

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 60.141+/-0.012 χ^2/NDF:418243.6/22

Out: 60.139+/-0.011 χ^2/NDF:494396.8/27

All: 60.140+/-0.008 χ^2/NDF: 912640.5/50


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
Right In: -63.820+/-129.675 χ²/NDF: 13.2/15
Left Out: 393.629+/-127.897 χ²/NDF:7.1/8
Right Out: -215.911+/-123.491 χ²/NDF: 14.1/18
Left In: -245.803+/-137.024 χ²/NDF:6.7/6
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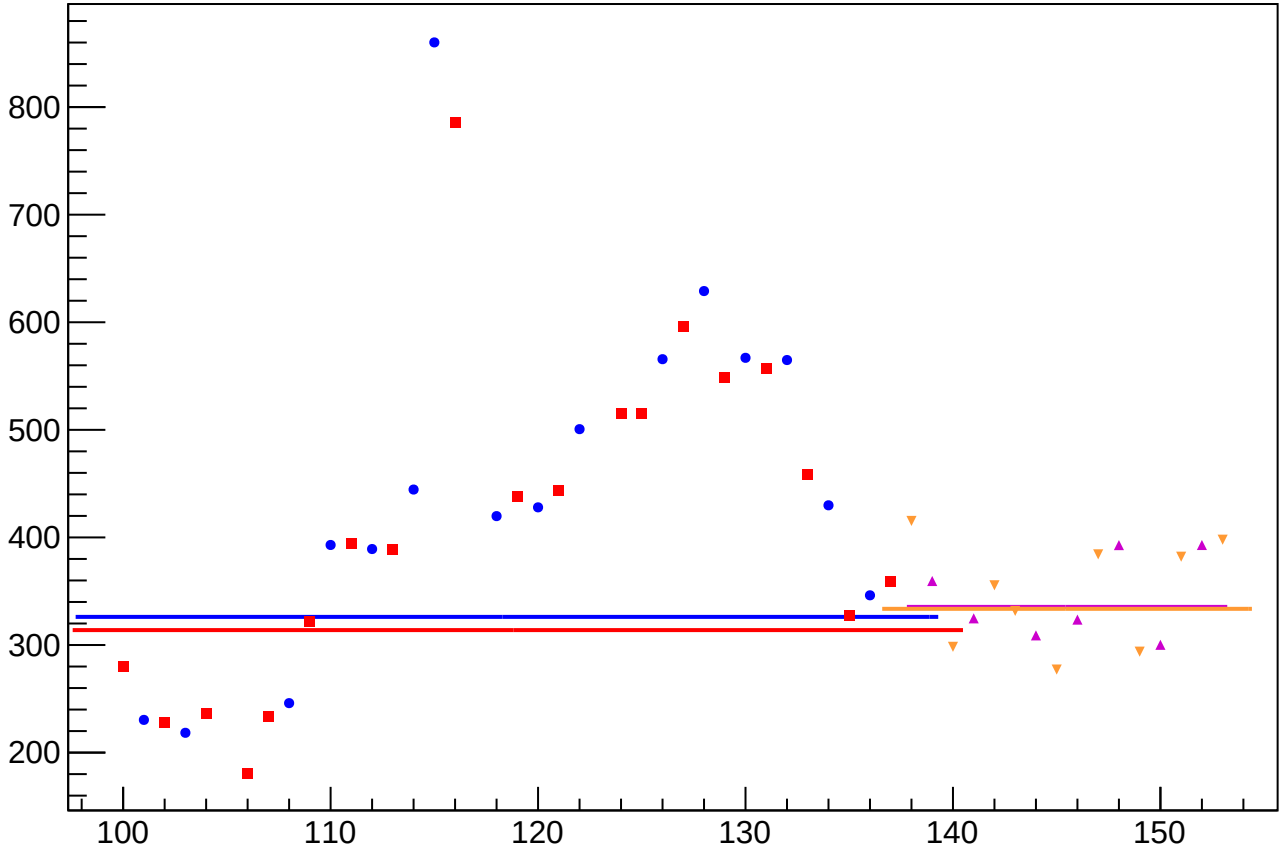
Right: -143.578+/-89.428 χ²/NDF: 28.0/34
In: -149.801+/-94.185 χ²/NDF:20.8/22
Out: 78.180+/-88.838 χ²/NDF:33.0/27
All: -29.156+/-64.626 χ²/NDF: 56.9/50

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: 333.639+/-0.090 χ^2/NDF:281268.5/8

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 335.437+/-0.097 χ^2/NDF:121437.2/6

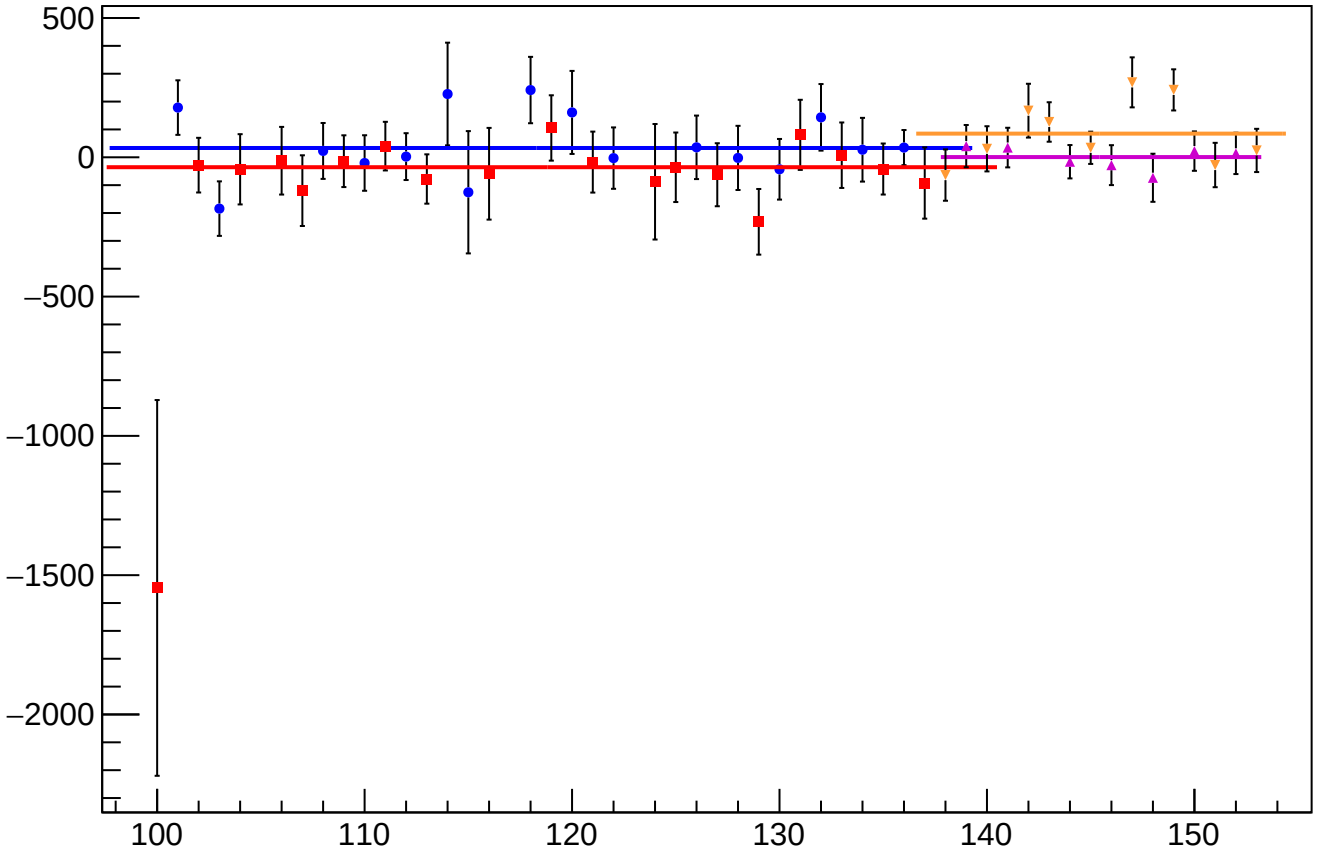
Left: 334.476+/-0.066 χ^2/NDF: 402889.8/15

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 330.538+/-0.067 χ^2/NDF:1860218.1/22

Out: 323.403+/-0.063 χ^2/NDF:2111799.0/27

All: 326.762+/-0.046 χ^2/NDF: 3978090.4/50



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 84.975+/-25.770 χ^2/NDF:16.2/8

Right Out: -35.576+/-26.536 χ^2/NDF: 12.1/18

Left In: 0.789+/-27.107 χ^2/NDF:1.6/6

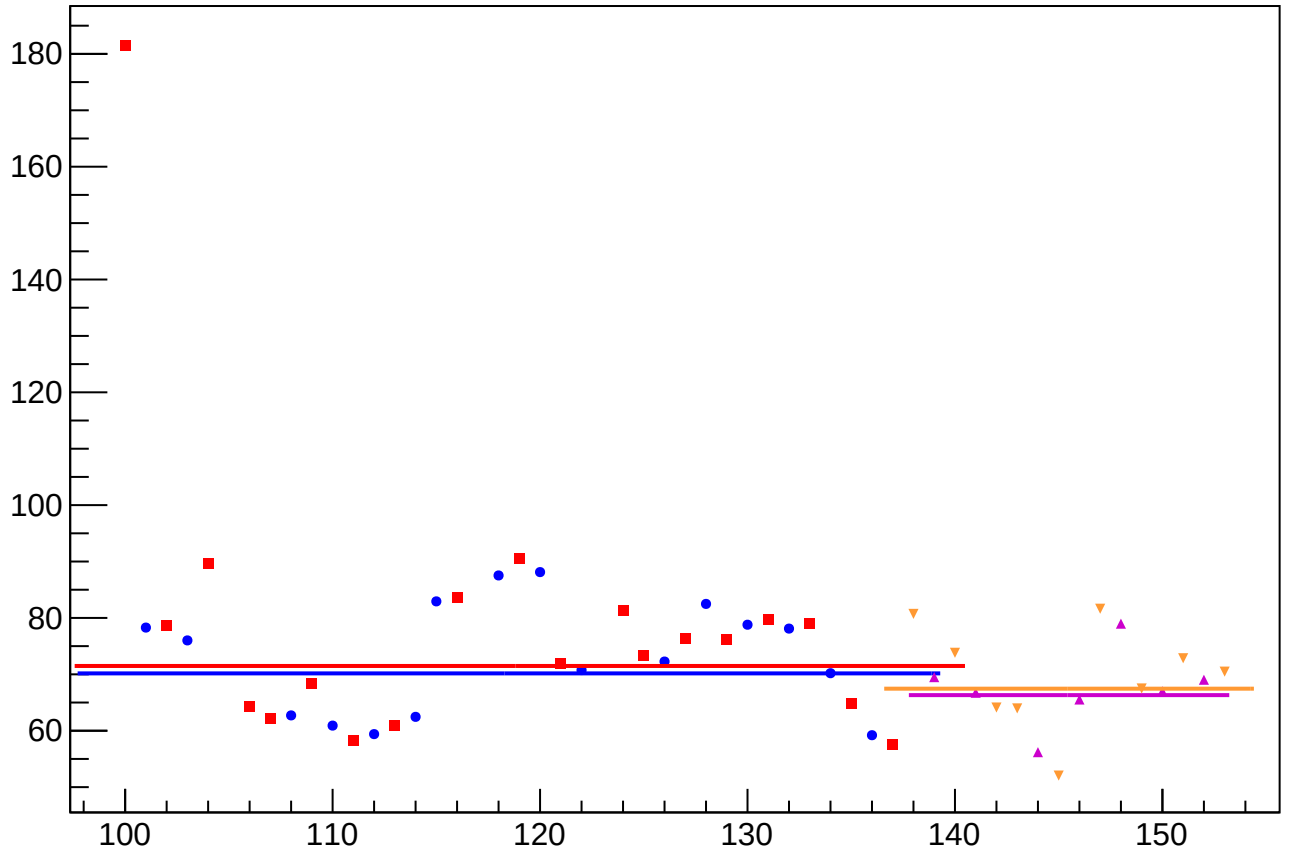
Left: 45.010+/-18.677 χ^2/NDF: 22.9/15

Right: -0.931+/-18.721 χ^2/NDF: 30.0/34

In: 17.516+/-18.918 χ^2/NDF:16.9/22

Out: 26.464+/-18.487 χ^2/NDF:39.0/27

All: 22.093+/-13.222 χ^2/NDF: 56.0/50



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 67.457+/-0.018 χ^2/NDF:264573.5/8

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 66.314+/-0.019 χ^2/NDF:106897.4/6

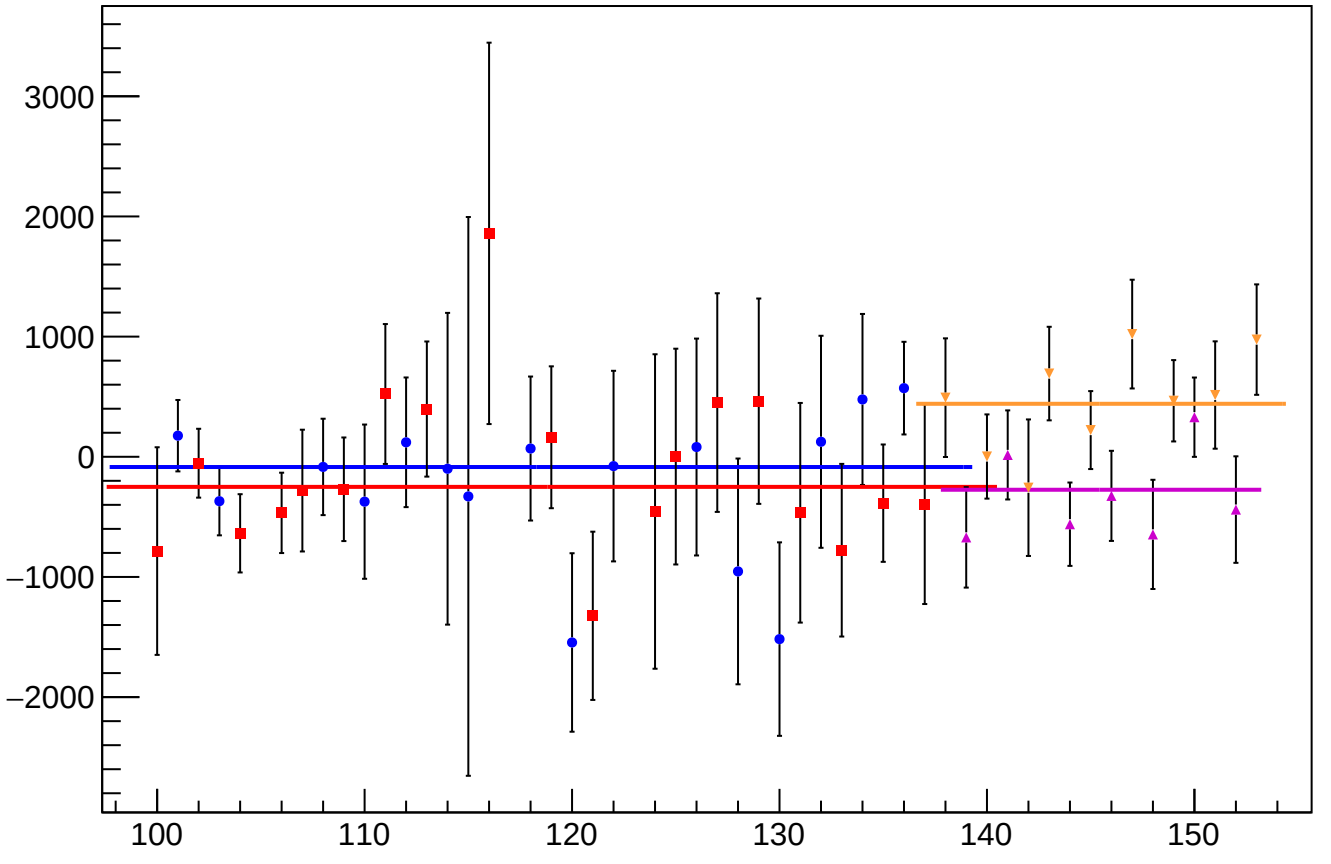
Left: 66.915+/-0.013 χ^2/NDF: 373337.2/15

Right: 70.822+/-0.013 χ^2/NDF: 597434.8/34

In: 68.291+/-0.013 χ^2/NDF:396872.6/22

Out: 69.411+/-0.013 χ^2/NDF:613982.7/27

All: 68.864+/-0.009 χ^2/NDF: 1014443.2/50



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 440.994+/-135.076 χ^2/NDF:7.0/8

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -274.388+/-145.026 χ^2/NDF:6.4/6

Left: 108.684+/-98.844 χ^2/NDF: 26.4/15

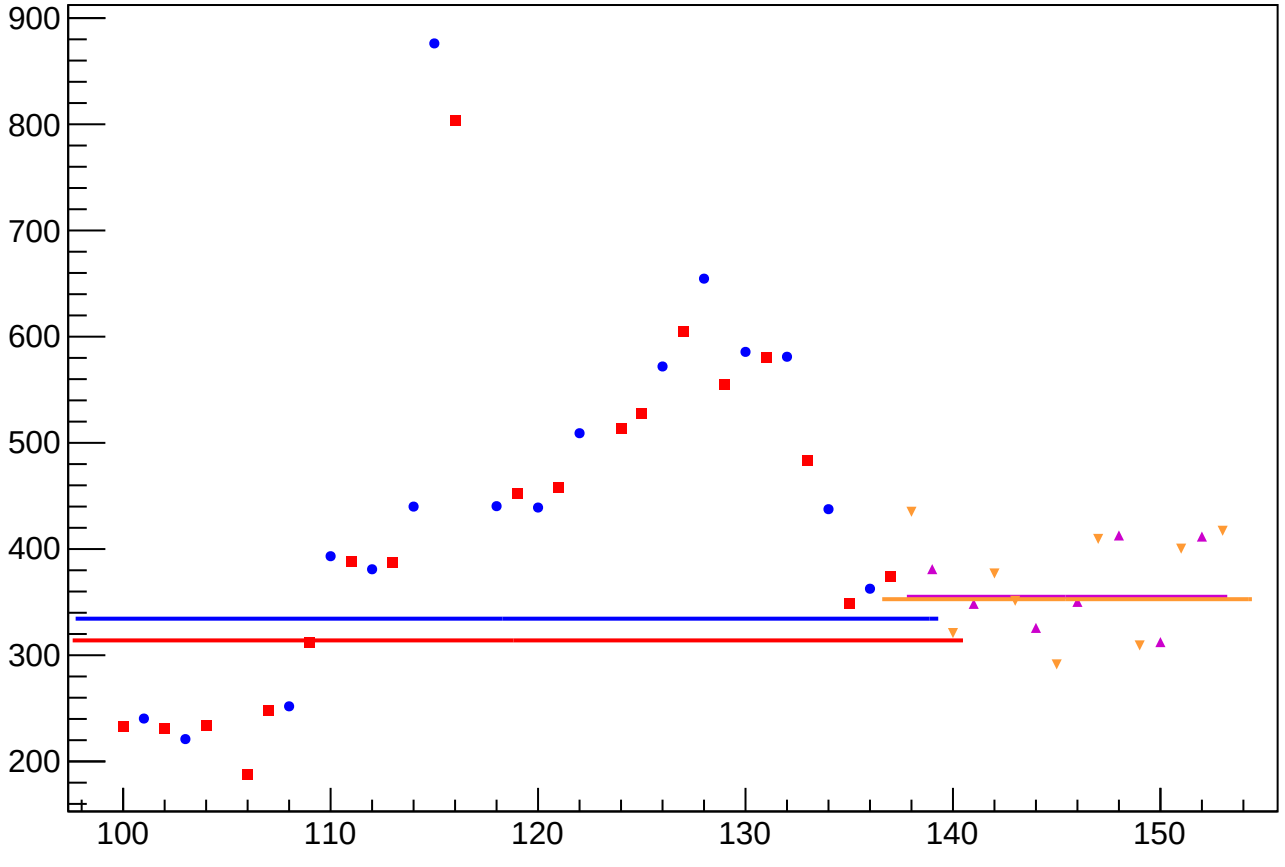
Right: -173.980+/-90.383 χ^2/NDF: 27.0/34

In: -171.530+/-97.972 χ^2/NDF:21.0/22

Out: 63.833+/-91.066 χ^2/NDF:33.8/27

All: -45.262+/-66.701 χ^2/NDF: 57.8/50

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: 352.783+/-0.096 χ^2/NDF:274073.5/8

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

Left In: 355.048+/-0.103 χ^2/NDF:121469.1/6

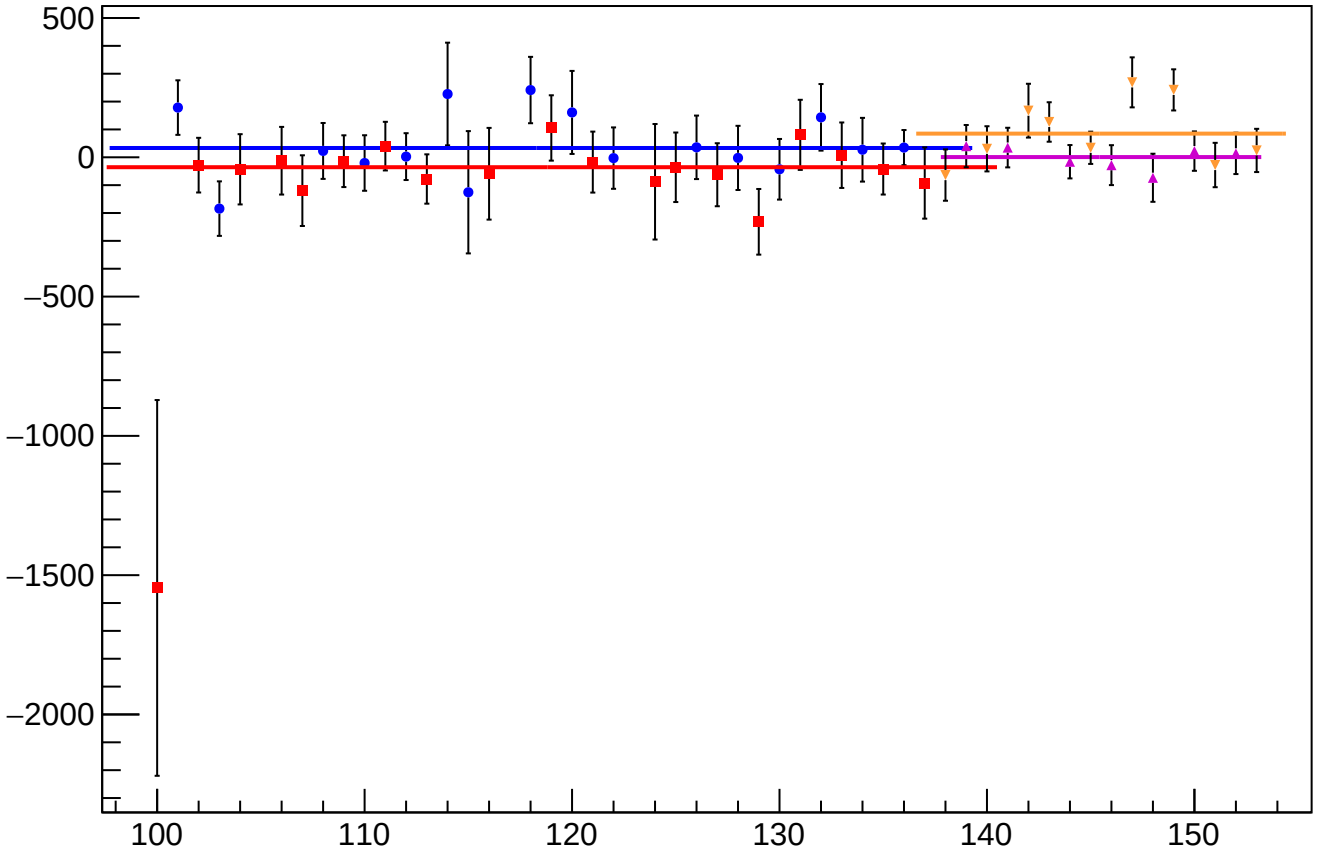
Left: 353.835+/-0.070 χ^2/NDF: 395803.9/15

Right: 323.437+/-0.064 χ^2/NDF: 3660694.2/34

In: 343.840+/-0.069 χ^2/NDF:1874052.7/22

Out: 331.612+/-0.064 χ^2/NDF:2268749.1/27

All: 337.280+/-0.047 χ^2/NDF: 4159515.5/50



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 84.974+/-25.770 χ^2/NDF:16.2/8

Right Out: -35.577+/-26.536 χ^2/NDF: 12.1/18

Left In: 0.789+/-27.107 χ^2/NDF:1.6/6

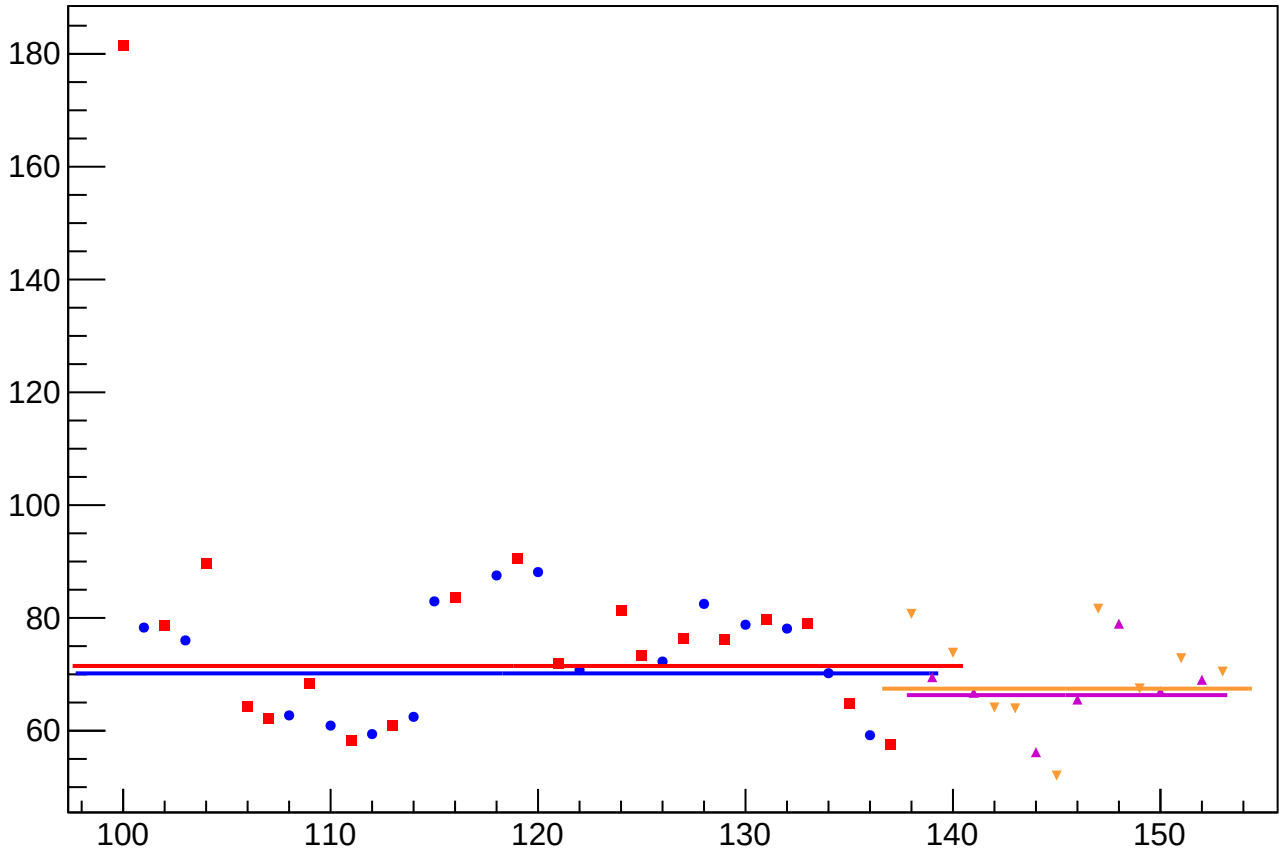
Left: 45.010+/-18.677 χ^2/NDF: 22.9/15

Right: -0.932+/-18.721 χ^2/NDF: 30.0/34

In: 17.515+/-18.918 χ^2/NDF:16.9/22

Out: 26.464+/-18.487 χ^2/NDF:39.0/27

All: 22.093+/-13.222 χ^2/NDF: 56.0/50



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 67.457+/-0.018 χ^2/NDF:264577.3/8

Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 66.314+/-0.019 χ^2/NDF:106897.4/6

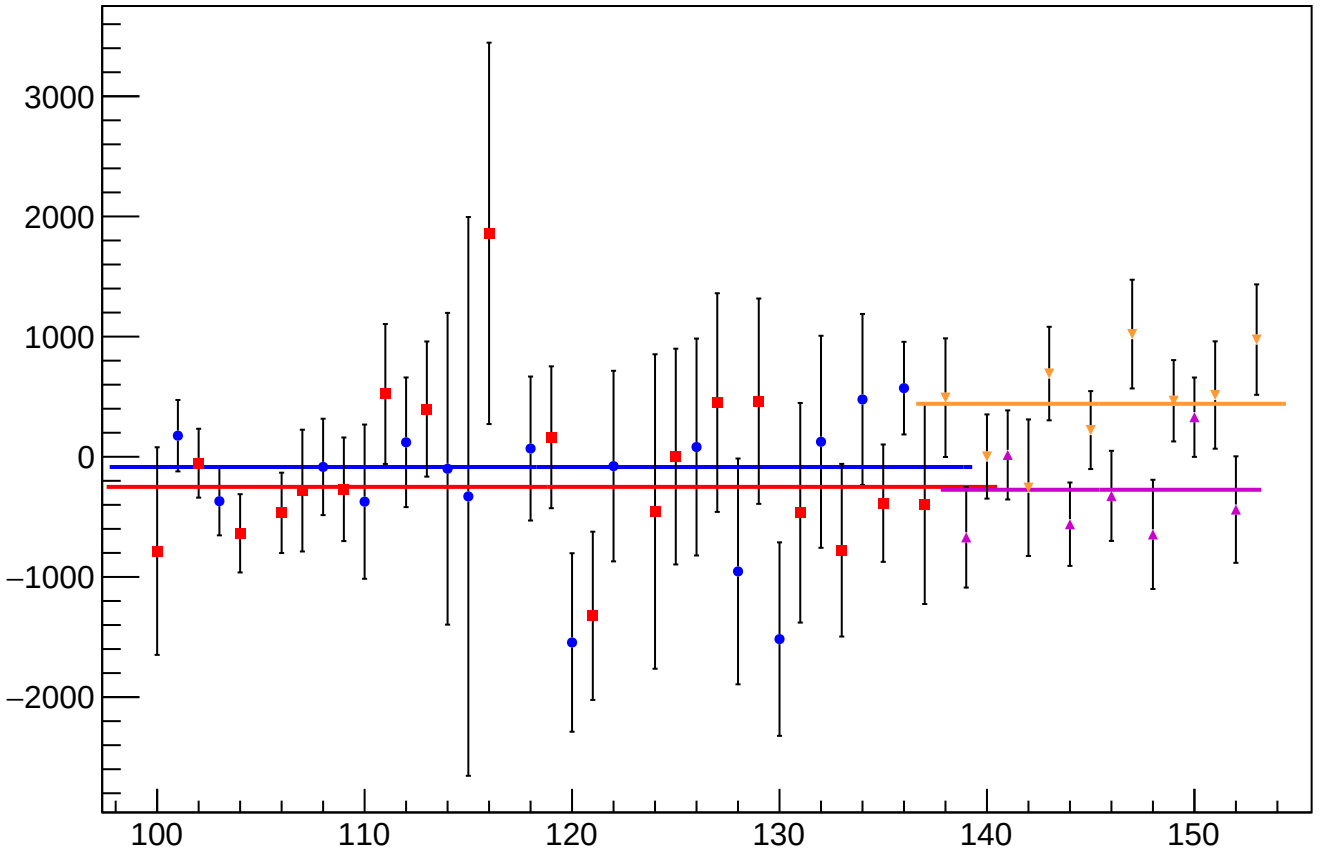
Left: 66.914+/-0.013 χ^2/NDF: 373340.9/15

Right: 70.822+/-0.013 χ^2/NDF: 597444.3/34

In: 68.291+/-0.013 χ^2/NDF:396877.2/22

Out: 69.411+/-0.013 χ^2/NDF:613994.8/27

All: 68.864+/-0.009 χ^2/NDF: 1014459.8/50



Right In: -85.185+/-132.877 χ^2/NDF: 13.7/15

Left Out: 440.993+/-135.076 χ^2/NDF:7.0/8

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -274.388+/-145.026 χ^2/NDF:6.4/6

Left: 108.684+/-98.844 χ^2/NDF: 26.4/15

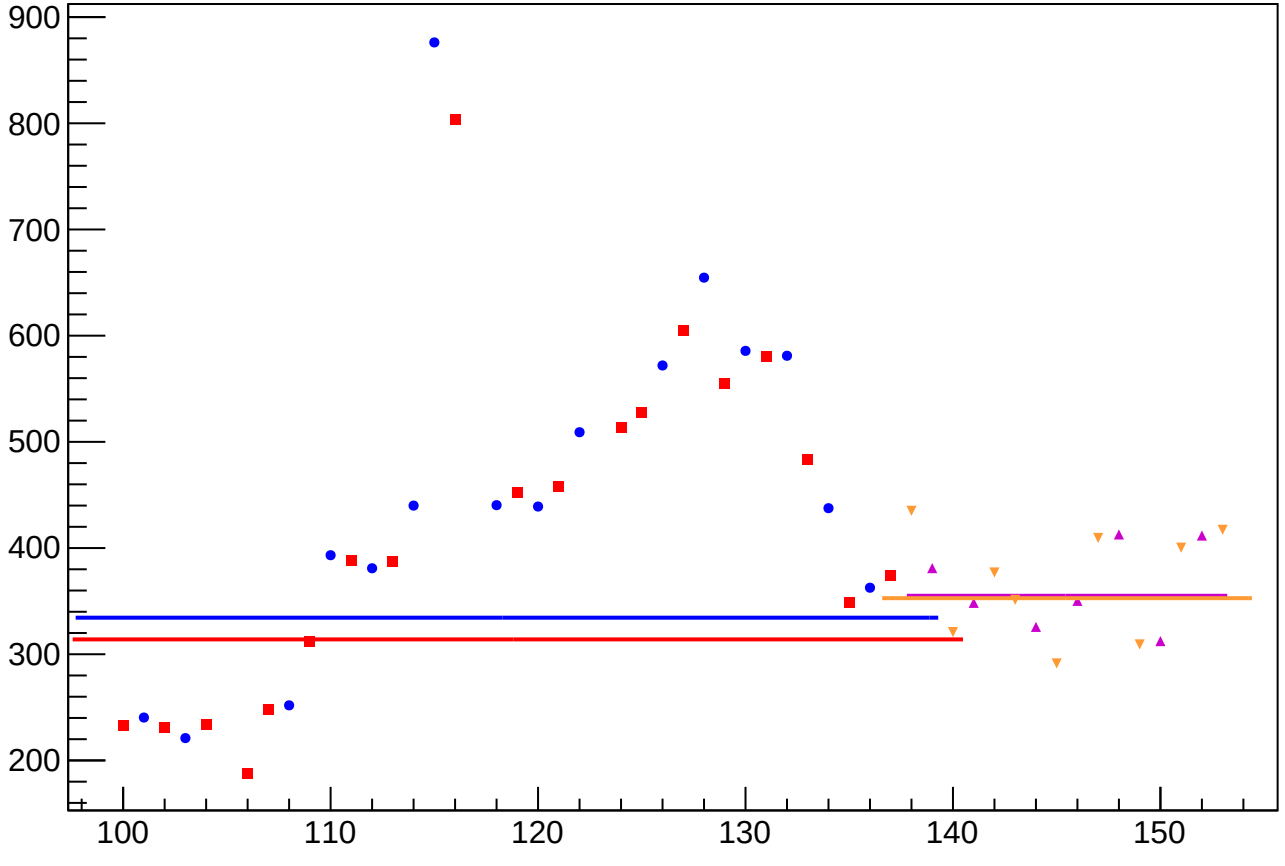
Right: -173.981+/-90.383 χ^2/NDF: 27.0/34

In: -171.531+/-97.972 χ^2/NDF:21.0/22

Out: 63.833+/-91.066 χ^2/NDF:33.8/27

All: -45.262+/-66.701 χ^2/NDF: 57.8/50

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: 352.783+/-0.096 χ^2/NDF:274076.0/8

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

Left In: 355.048+/-0.103 χ^2/NDF:121468.4/6

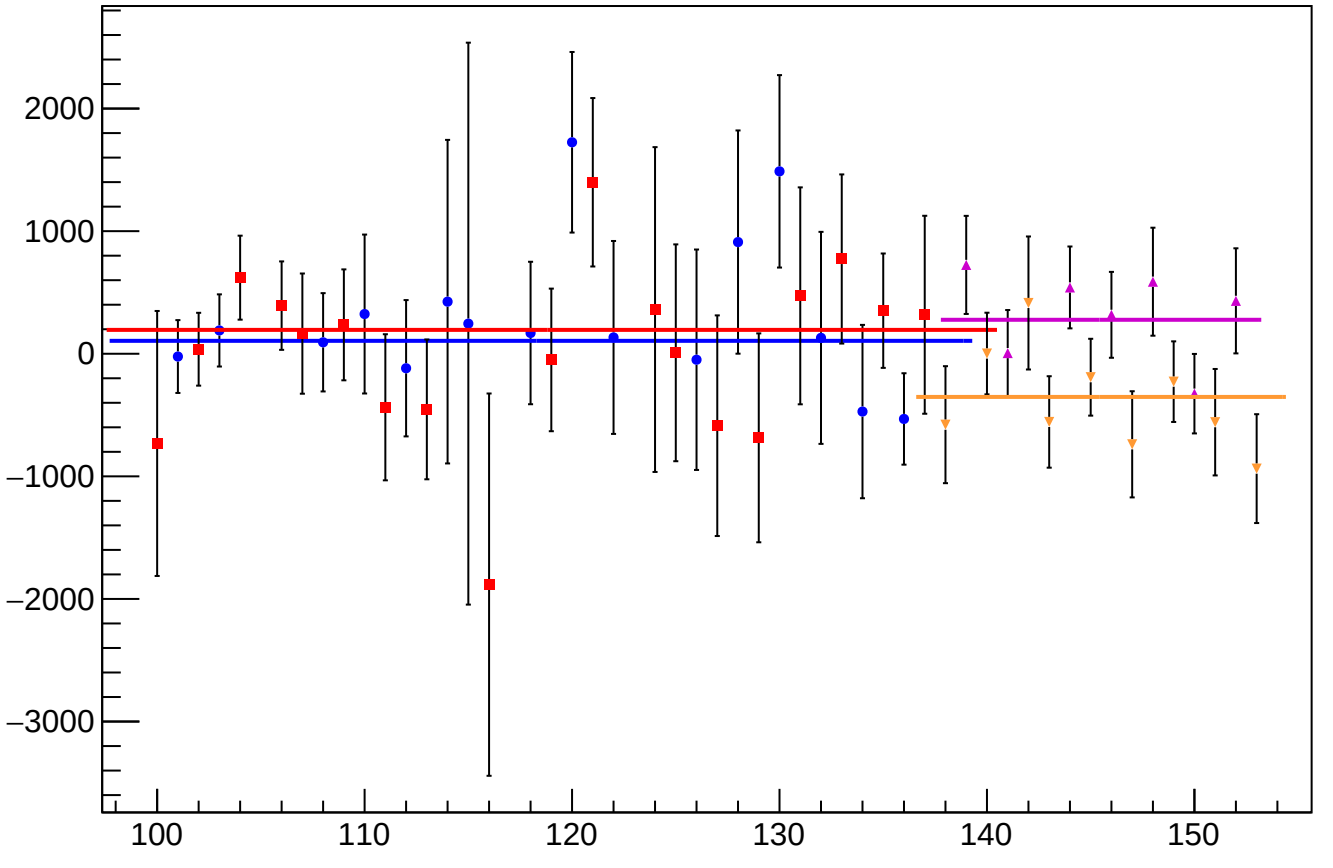
Left: 353.835+/-0.070 χ^2/NDF: 395805.6/15

Right: 323.437+/-0.064 χ^2/NDF: 3660692.3/34

In: 343.840+/-0.069 χ^2/NDF:1874050.6/22

Out: 331.612+/-0.064 χ^2/NDF:2268748.8/27

All: 337.280+/-0.047 χ^2/NDF: 4159513.8/50



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -352.136+/-130.034 χ^2/NDF:6.8/8

Right Out: 194.712+/-126.198 χ^2/NDF: 13.1/18

Left In: 277.069+/-139.220 χ^2/NDF:6.6/6

Left: -58.974+/-95.029 χ^2/NDF: 24.3/15

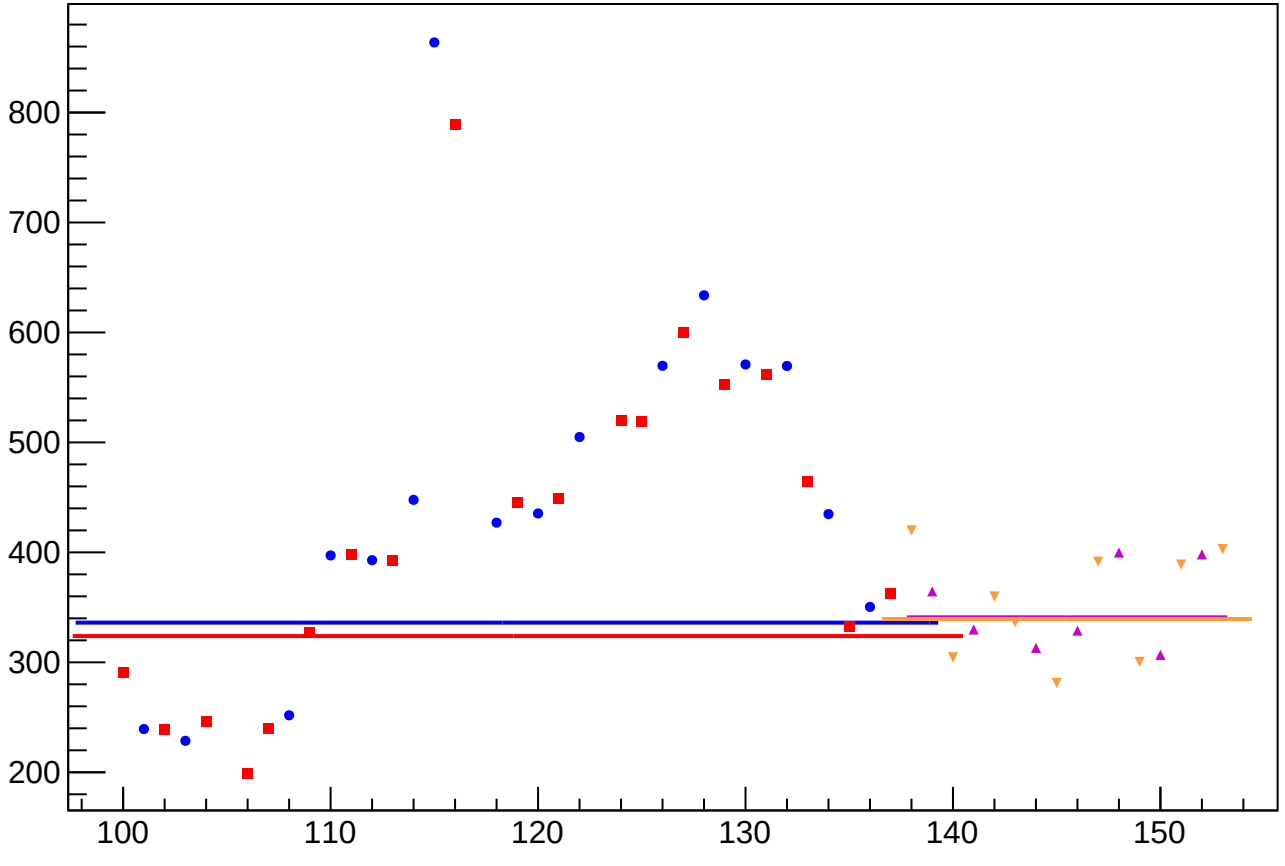
Right: 152.409+/-91.561 χ^2/NDF: 26.3/34

In: 187.338+/-96.186 χ^2/NDF:20.3/22

Out: -70.528+/-90.561 χ^2/NDF:29.1/27

All: 50.646+/-65.935 χ^2/NDF: 53.2/50

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 339.385+/-0.092 χ^2/NDF:274867.8/8

Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 340.933+/-0.098 χ^2/NDF:118912.5/6

Left: 340.106+/-0.067 χ^2/NDF: 393912.3/15

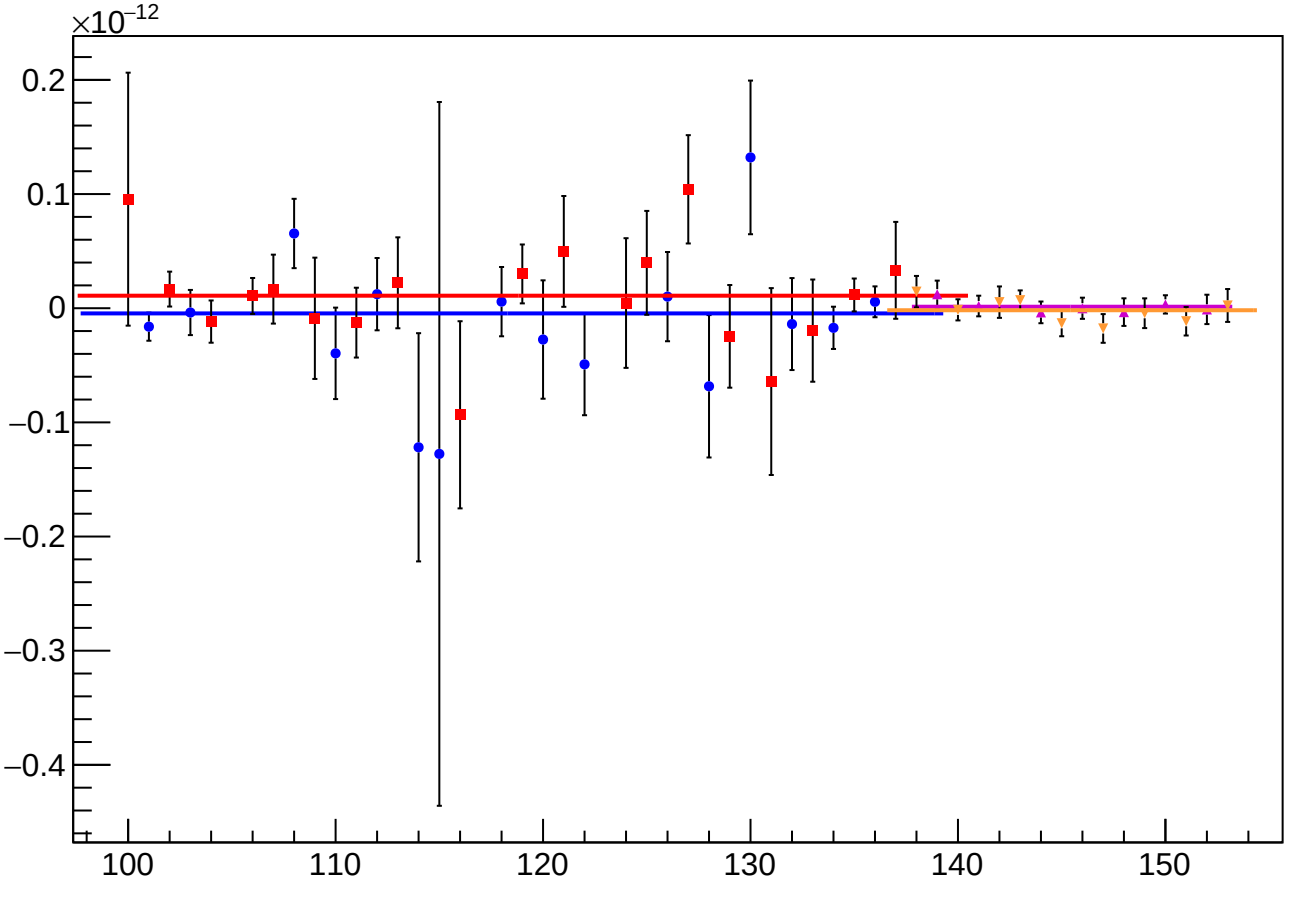
Right: 329.666+/-0.065 χ^2/NDF: 3293280.0/34

In: 338.403+/-0.068 χ^2/NDF:1739173.6/22

Out: 331.403+/-0.064 χ^2/NDF:1954922.6/27

All: 334.692+/-0.047 χ^2/NDF: 3699710.2/50

asym_sam_37_48_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.0/8

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1.4/6

Left: -0.000+/-0.000 χ^2/NDF: 7.8/15

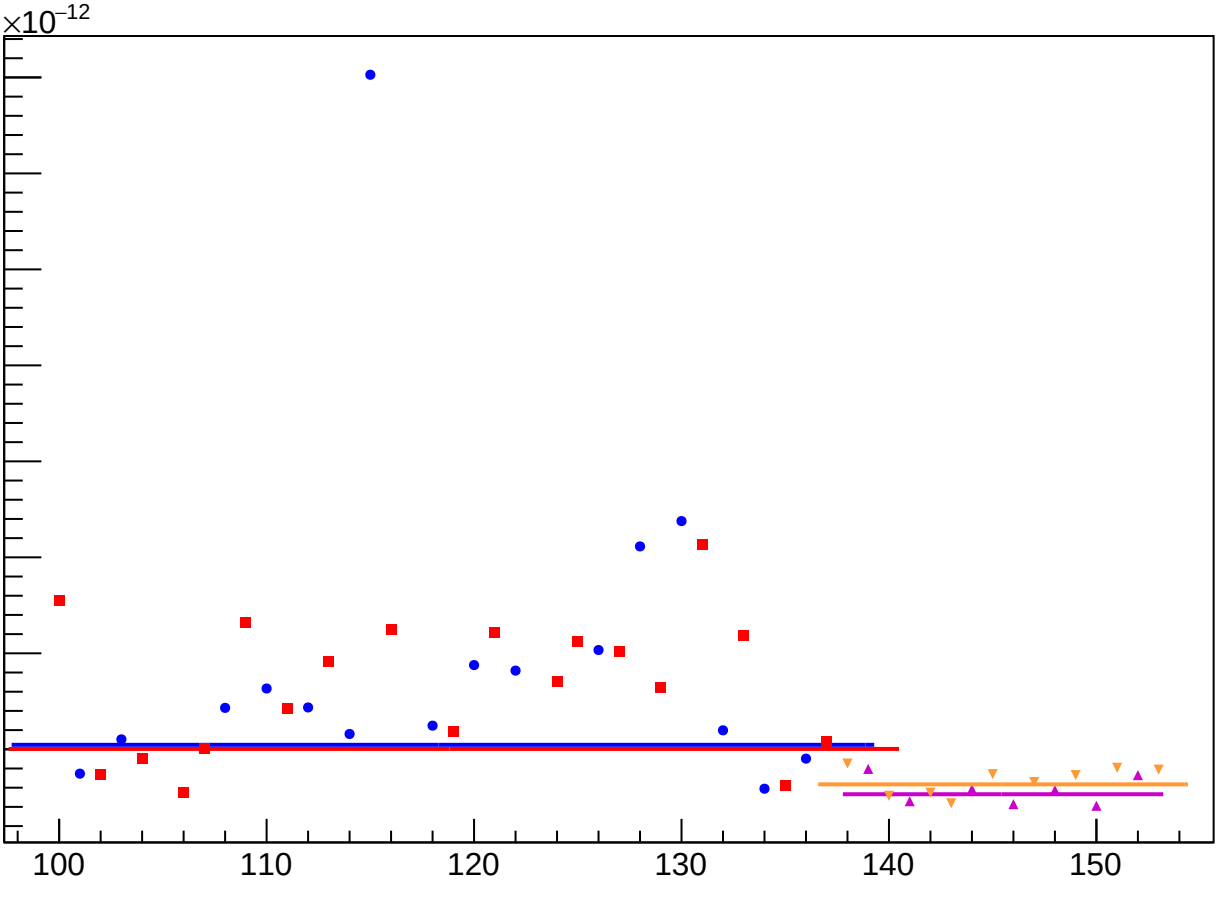
Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:18.5/22

Out: 0.000+/-0.000 χ^2/NDF:21.3/27

All: 0.000+/-0.000 χ^2/NDF: 40.0/50

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:285839.1/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

Left In: 0.000+/-0.000 χ^2/NDF:237814.8/6

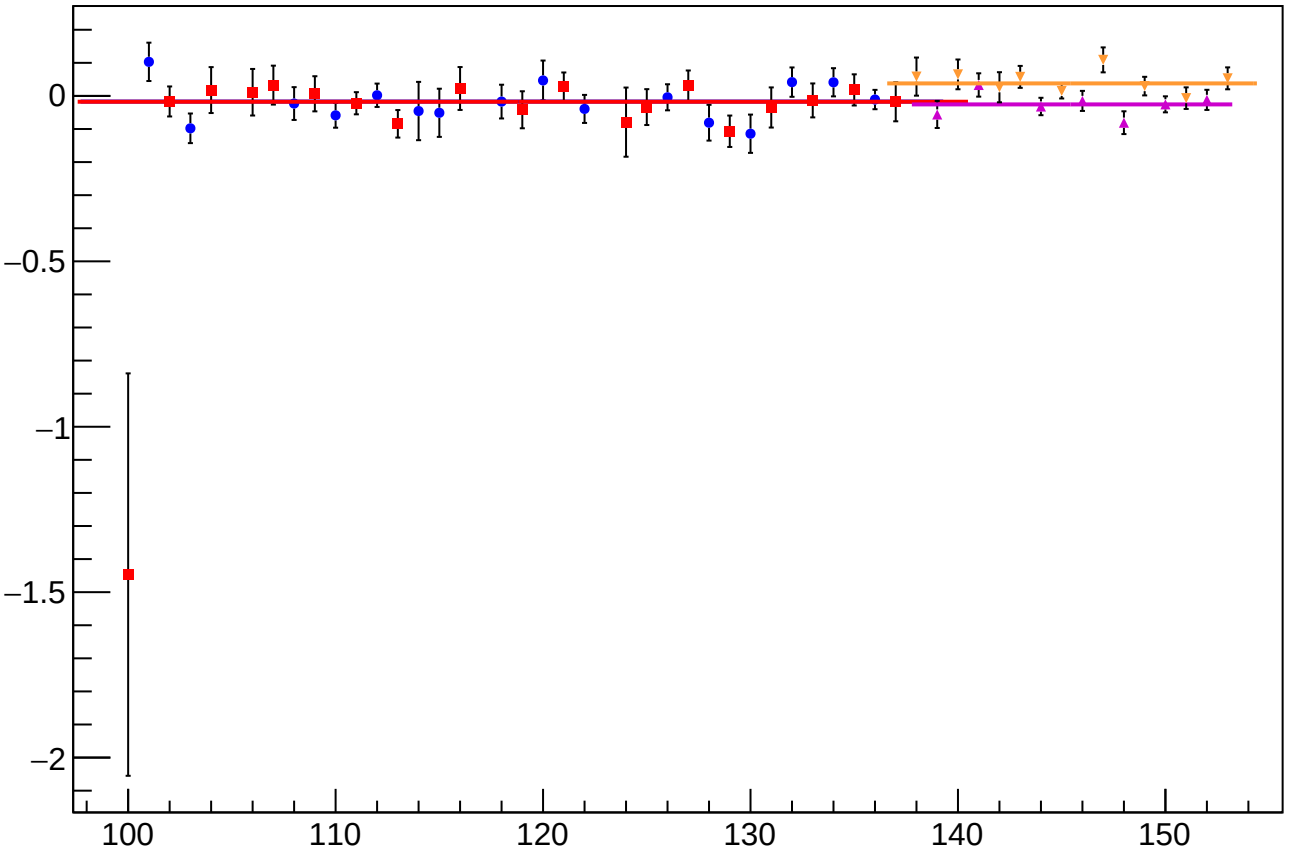
Left: 0.000+/-0.000 χ^2/NDF: 596463.1/15

Right: 0.000+/-0.000 χ^2/NDF: 2604050.5/34

In: 0.000+/-0.000 χ^2/NDF:2372688.4/22

Out: 0.000+/-0.000 χ^2/NDF:2187407.4/27

All: 0.000+/-0.000 χ^2/NDF: 4605806.8/50



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.038+/-0.011 χ^2/NDF:7.6/8

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.026+/-0.012 χ^2/NDF:6.3/6

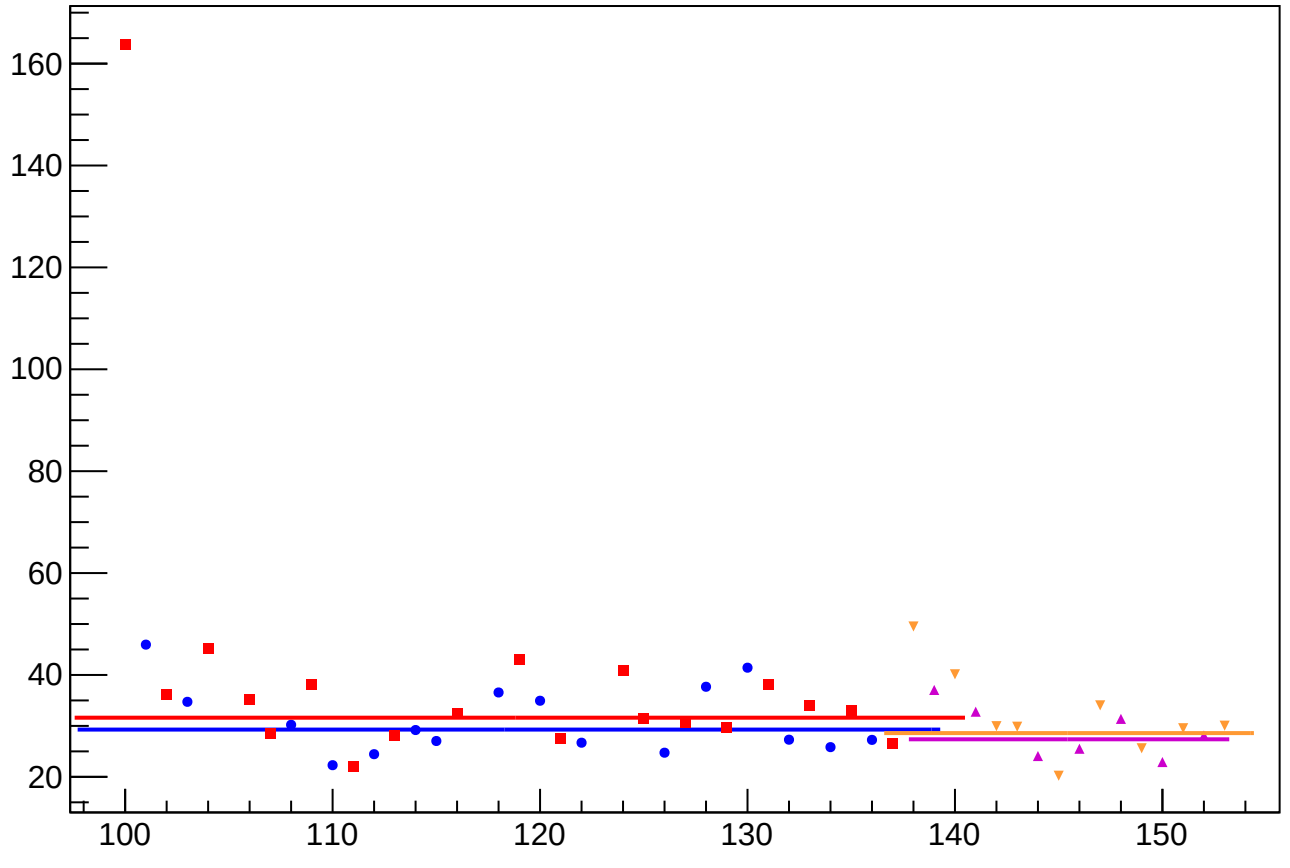
Left: 0.007+/-0.008 χ^2/NDF: 29.5/15

Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.021+/-0.008 χ^2/NDF:25.4/22

Out: 0.012+/-0.008 χ^2/NDF:35.7/27

All: -0.005+/-0.006 χ^2/NDF: 69.5/50



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.589+/-0.008 χ^2/NDF:738741.8/8

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 27.370+/-0.008 χ^2/NDF:294411.8/6

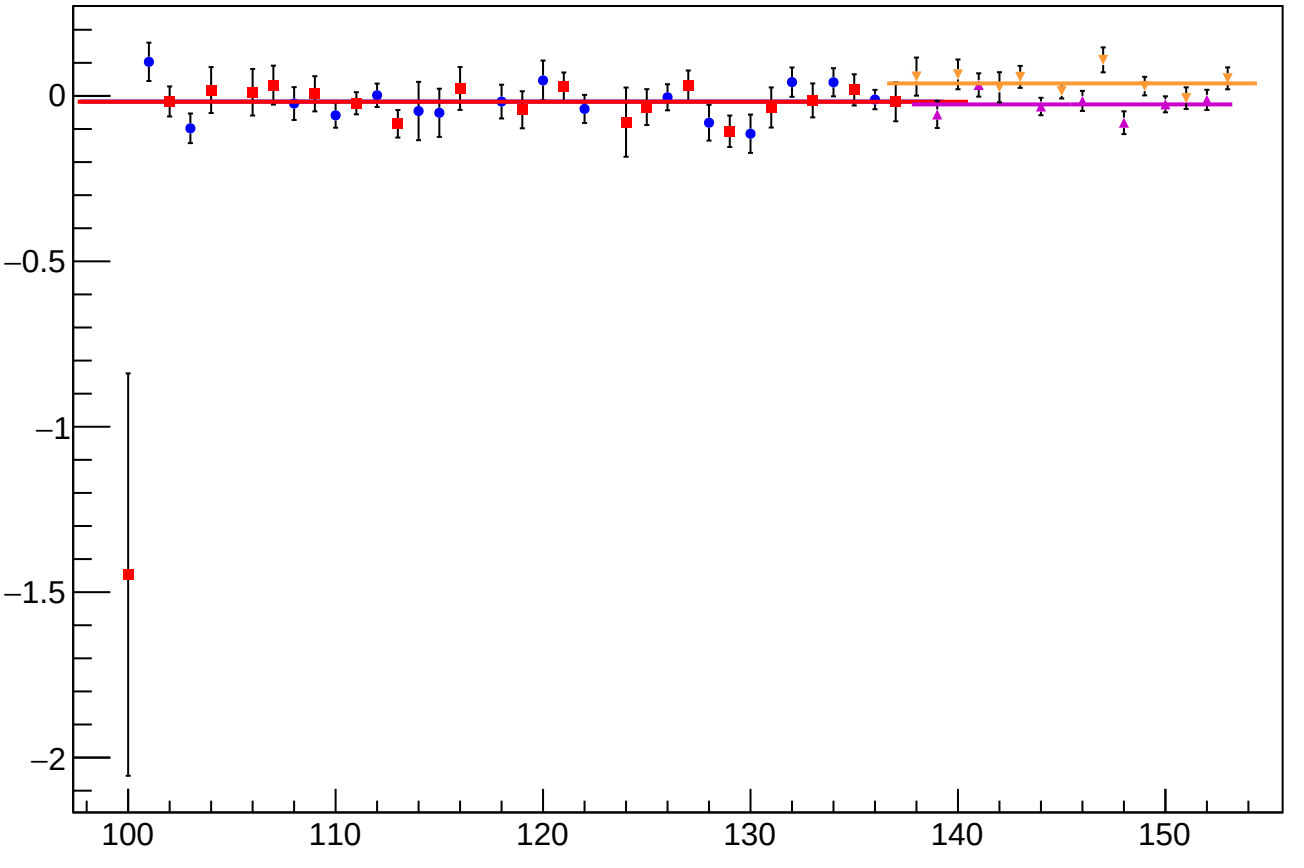
Left: 27.994+/-0.006 χ^2/NDF: 1044666.5/15

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.337+/-0.006 χ^2/NDF:882992.0/22

Out: 29.989+/-0.006 χ^2/NDF:1378055.5/27

All: 29.147+/-0.004 χ^2/NDF: 2302075.5/50



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.038+/-0.011 χ^2/NDF:7.6/8

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.026+/-0.012 χ^2/NDF:6.3/6

Left: 0.007+/-0.008 χ^2/NDF: 29.5/15

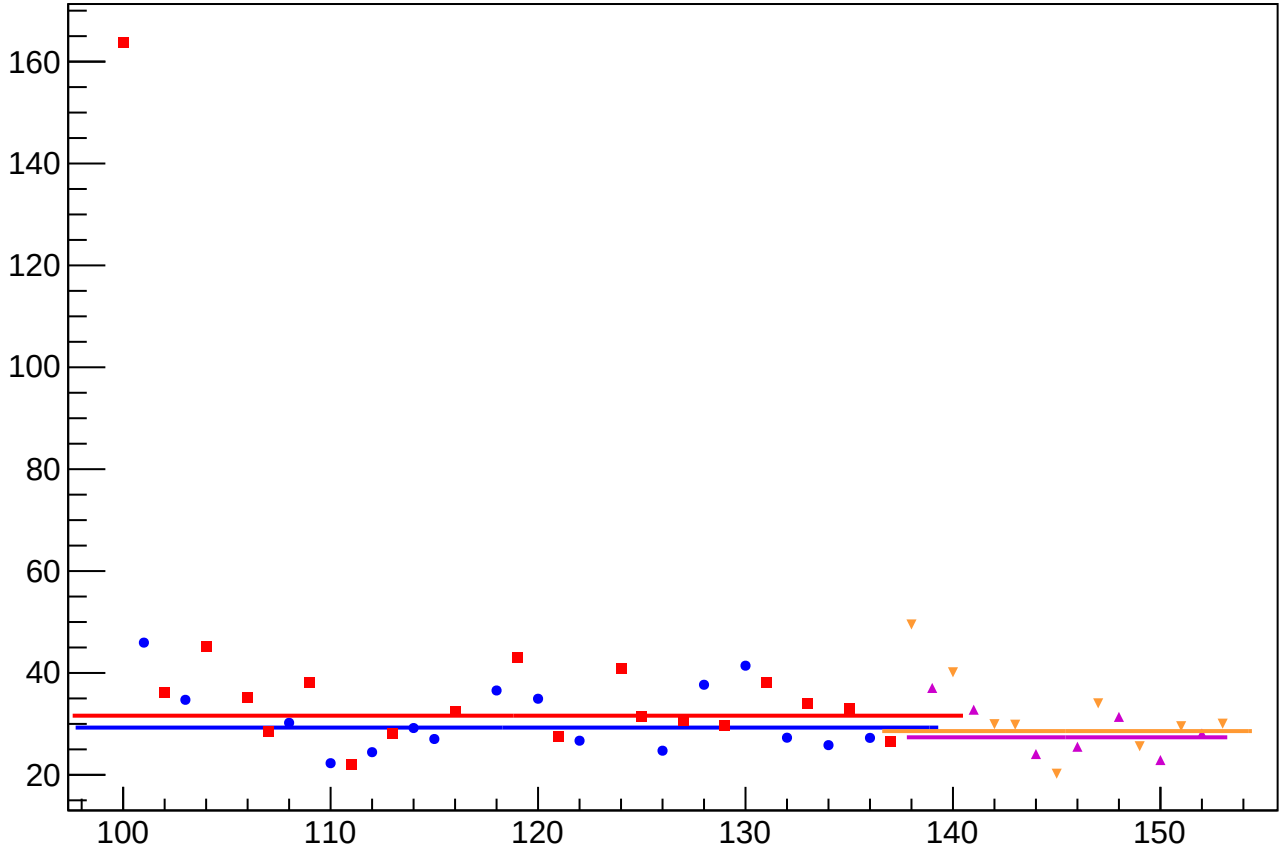
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.021+/-0.008 χ^2/NDF:25.4/22

Out: 0.012+/-0.008 χ^2/NDF:35.7/27

All: -0.005+/-0.006 χ^2/NDF: 69.5/50

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: 28.589+/-0.008 χ^2/NDF:738741.8/8

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 27.370+/-0.008 χ^2/NDF:294411.8/6

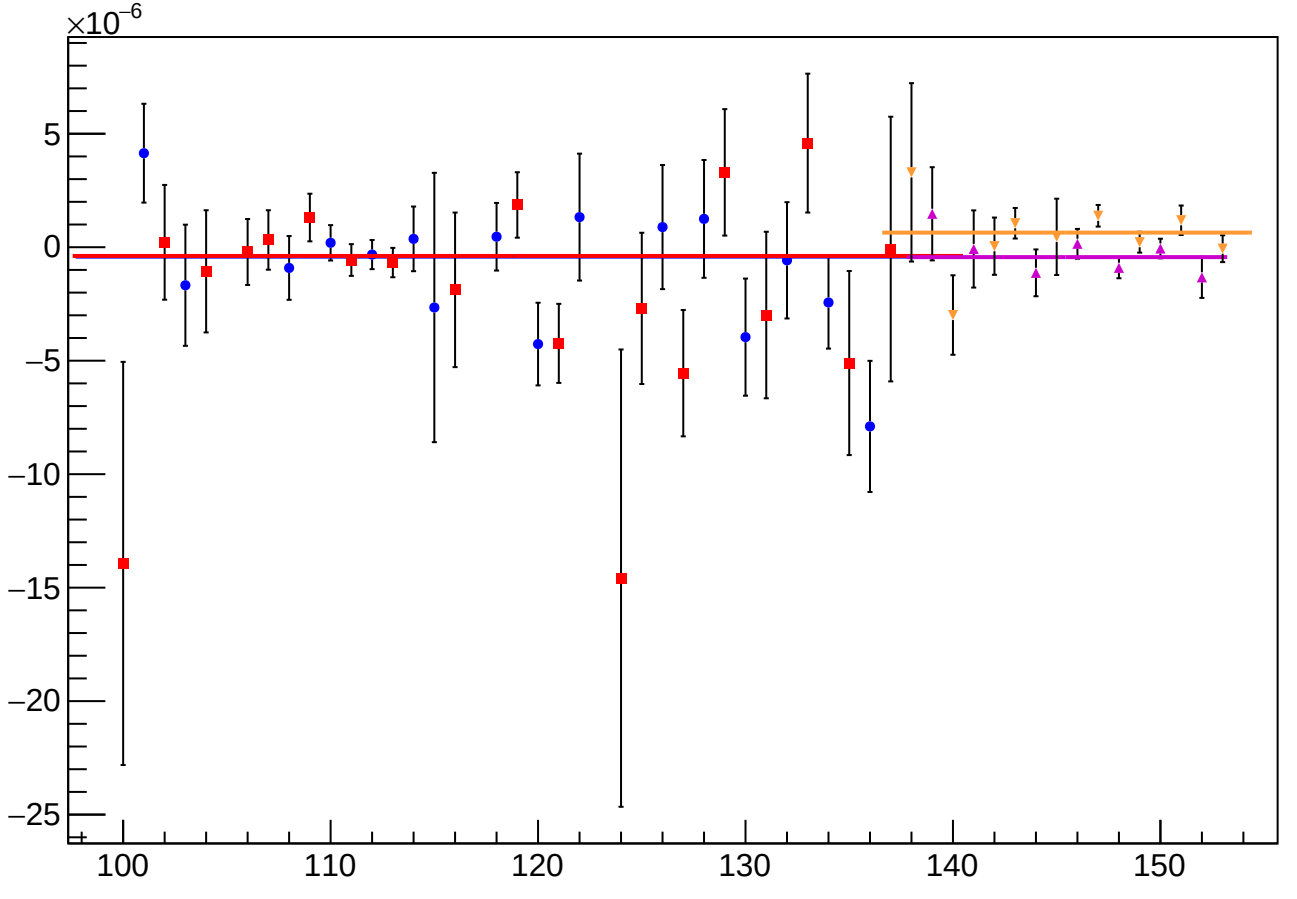
Left: 27.994+/-0.006 χ^2/NDF: 1044666.5/15

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.337+/-0.006 χ^2/NDF:882992.0/22

Out: 29.989+/-0.006 χ^2/NDF:1378055.5/27

All: 29.147+/-0.004 χ^2/NDF: 2302075.5/50



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.8/8

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/18

Left In: -0.000+/-0.000 χ^2/NDF:5.0/6

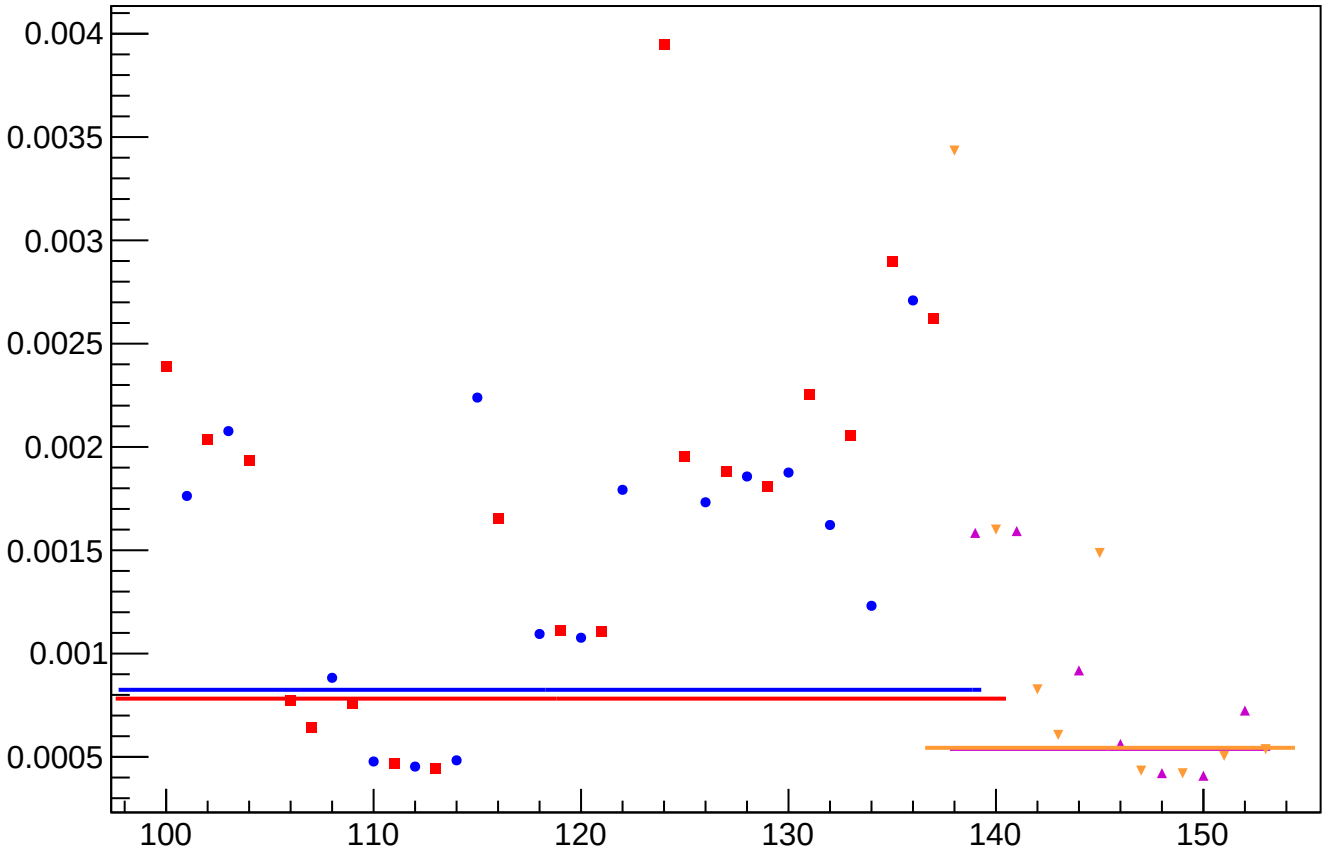
Left: 0.000+/-0.000 χ^2/NDF: 25.3/15

Right: -0.000+/-0.000 χ^2/NDF: 46.5/34

In: -0.000+/-0.000 χ^2/NDF:26.2/22

Out: 0.000+/-0.000 χ^2/NDF:42.0/27

All: -0.000+/-0.000 χ^2/NDF: 75.0/50



Right In: 0.001+/-0.000 χ^2/NDF: 4448725.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:2815773.3/8

Right Out: 0.001+/-0.000 χ^2/NDF: 4638419.3/18

Left In: 0.001+/-0.000 χ^2/NDF:1955868.2/6

Left: 0.001+/-0.000 χ^2/NDF: 4772088.3/15

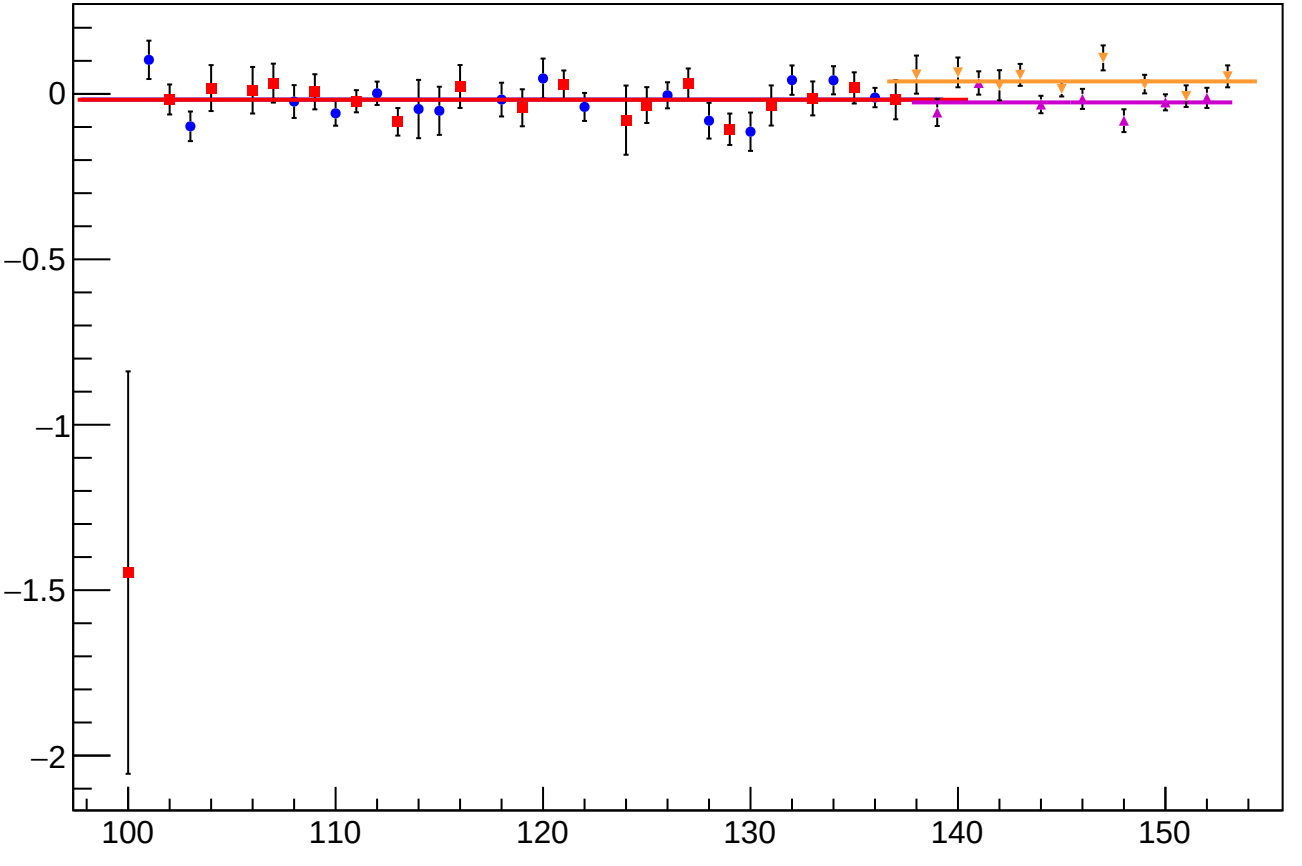
Right: 0.001+/-0.000 χ^2/NDF: 9101271.0/34

In: 0.001+/-0.000 χ^2/NDF:7209214.4/22

Out: 0.001+/-0.000 χ^2/NDF:8093497.4/27

All: 0.001+/-0.000 χ^2/NDF: 15306639.7/50

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.038+/-0.011 χ^2/NDF:7.6/8

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.026+/-0.012 χ^2/NDF:6.3/6

Left: 0.007+/-0.008 χ^2/NDF: 29.5/15

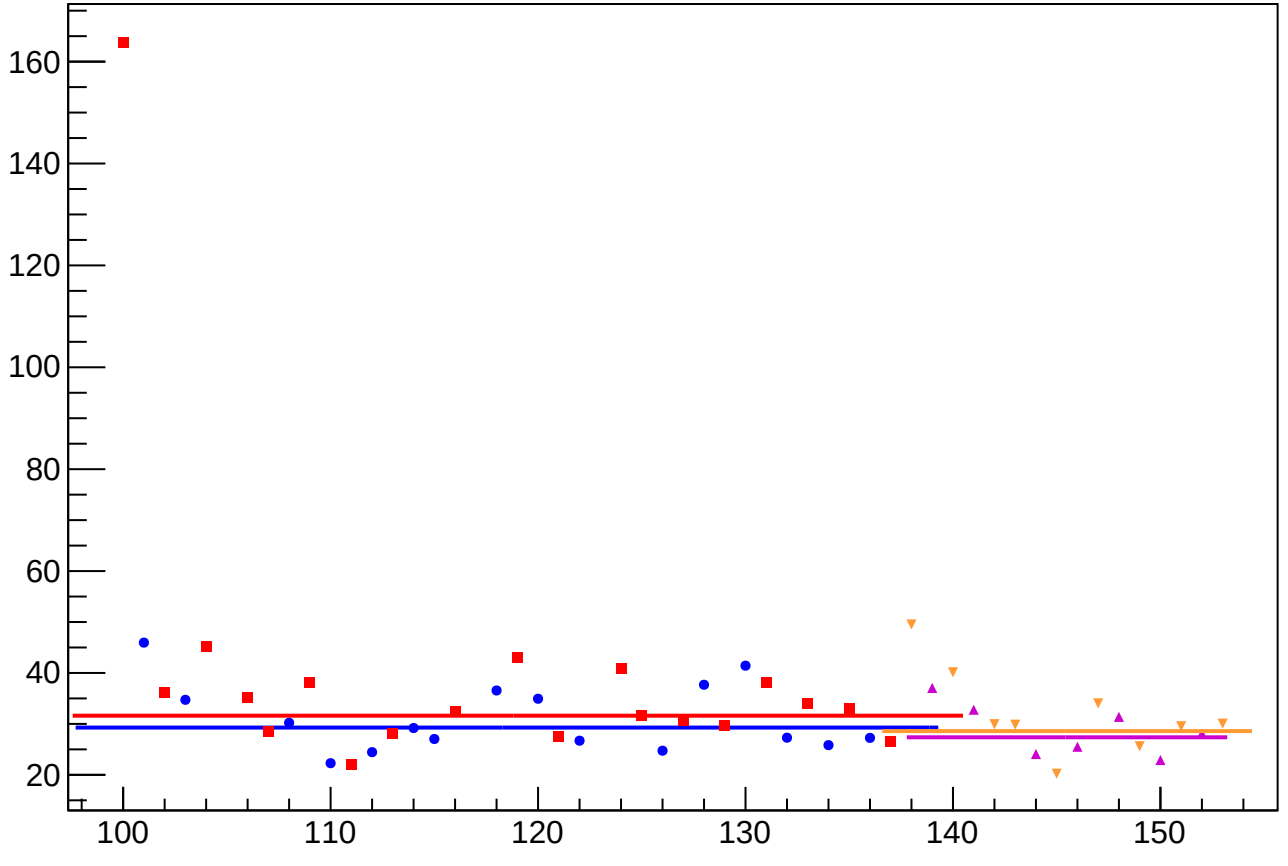
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.021+/-0.008 χ^2/NDF:25.4/22

Out: 0.012+/-0.008 χ^2/NDF:35.7/27

All: -0.005+/-0.006 χ^2/NDF: 69.5/50

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: 28.589+/-0.008 χ^2/NDF:738791.1/8

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 27.369+/-0.008 χ^2/NDF:294381.7/6

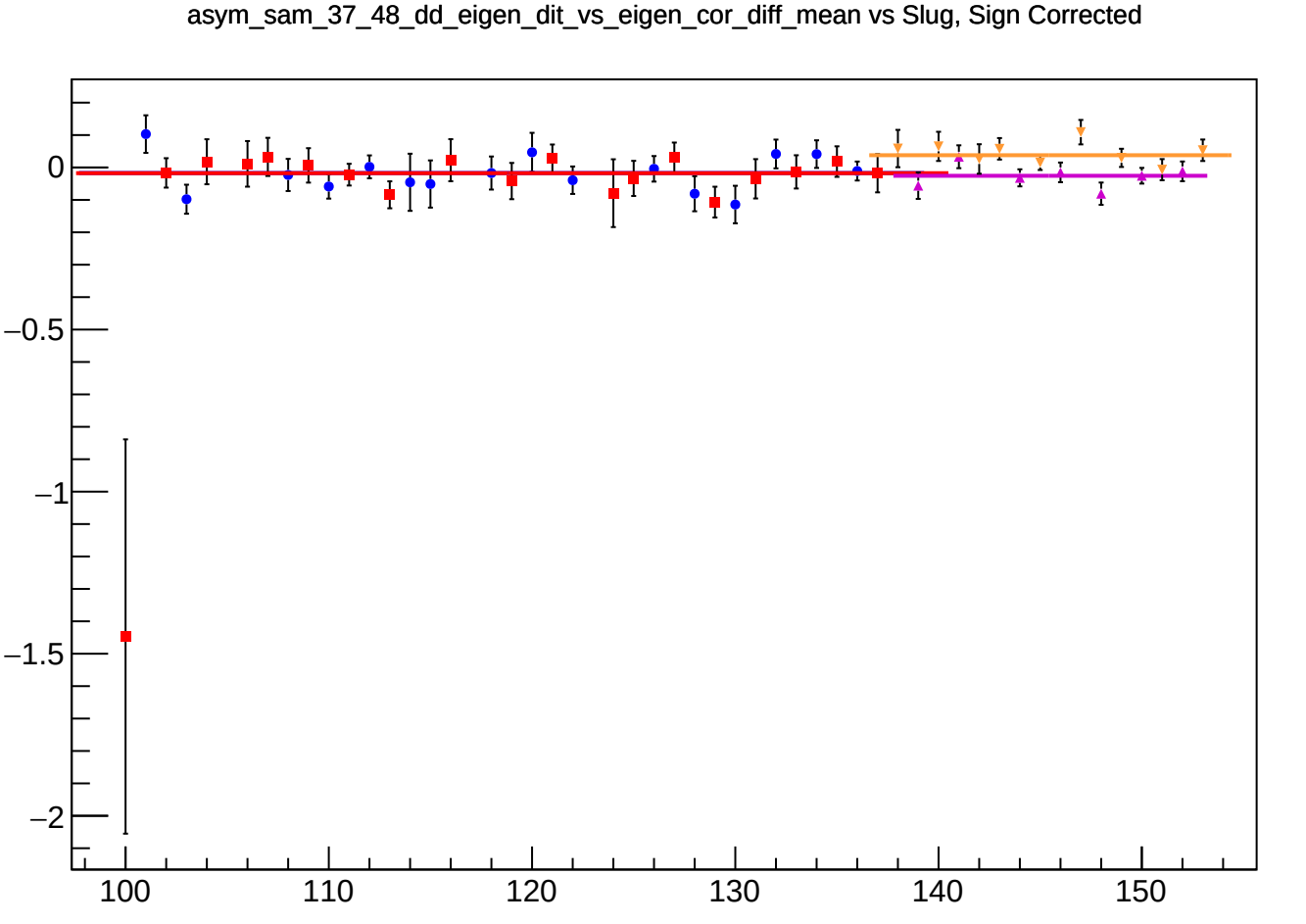
Left: 27.994+/-0.006 χ^2/NDF: 1044681.3/15

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 28.337+/-0.006 χ^2/NDF:882966.9/22

Out: 29.988+/-0.006 χ^2/NDF:1378126.7/27

All: 29.147+/-0.004 χ^2/NDF: 2302116.7/50



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.038+/-0.011 χ^2/NDF:7.6/8

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.026+/-0.012 χ^2/NDF:6.3/6

Left: 0.007+/-0.008 χ^2/NDF: 29.5/15

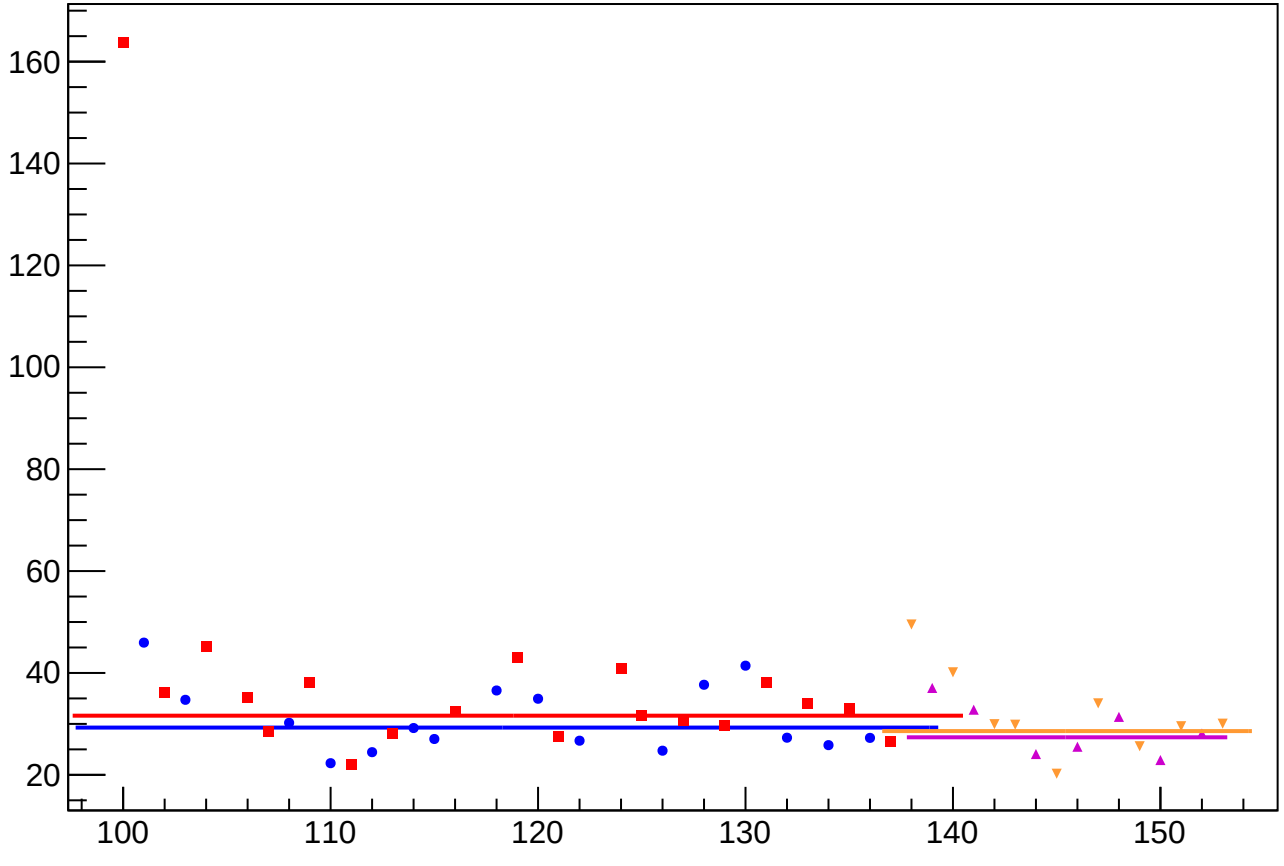
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.021+/-0.008 χ^2/NDF:25.4/22

Out: 0.012+/-0.008 χ^2/NDF:35.7/27

All: -0.005+/-0.006 χ^2/NDF: 69.5/50

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: 28.589+/-0.008 χ^2/NDF:738791.1/8

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 27.369+/-0.008 χ^2/NDF:294381.7/6

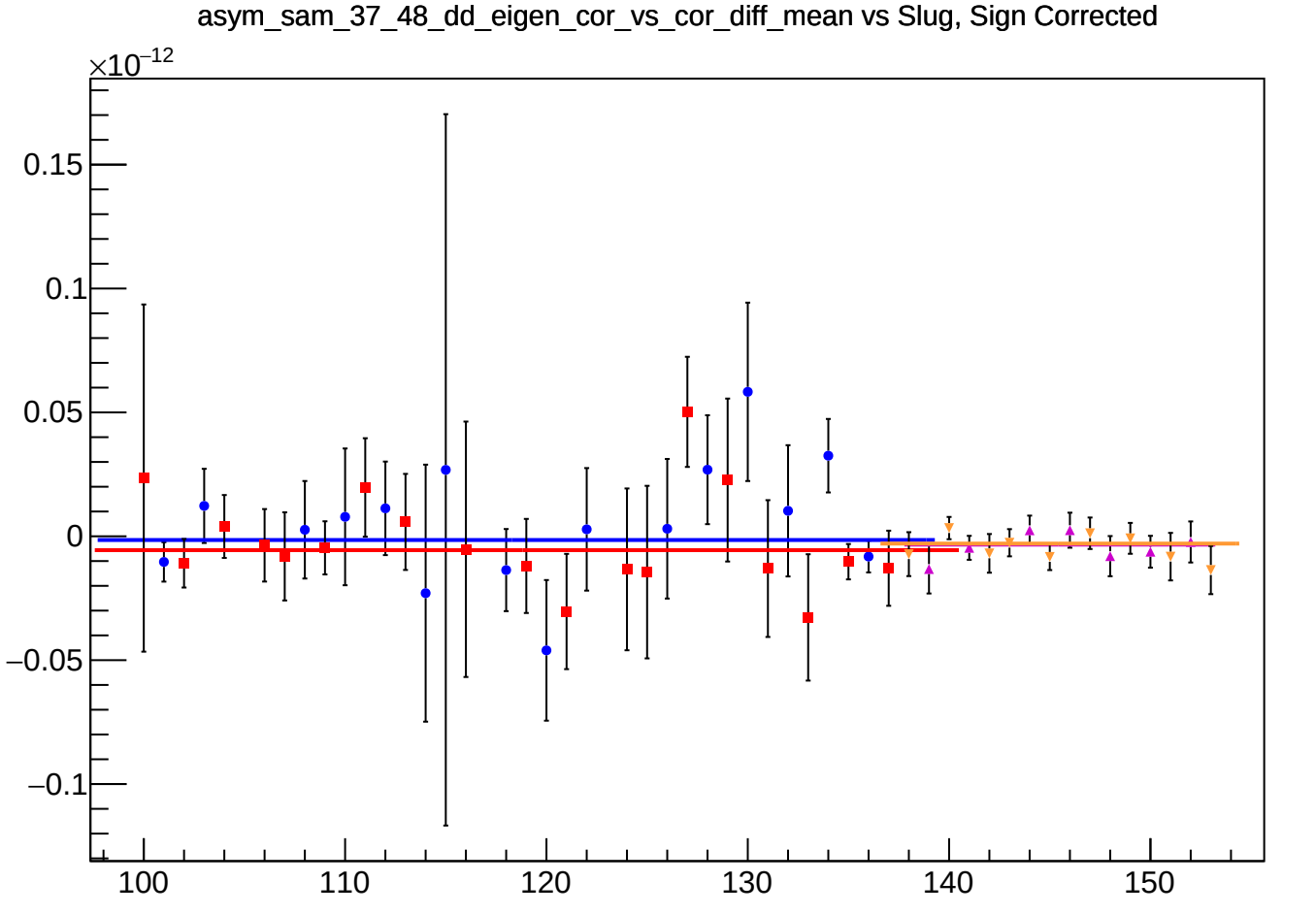
Left: 27.994+/-0.006 χ^2/NDF: 1044681.3/15

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

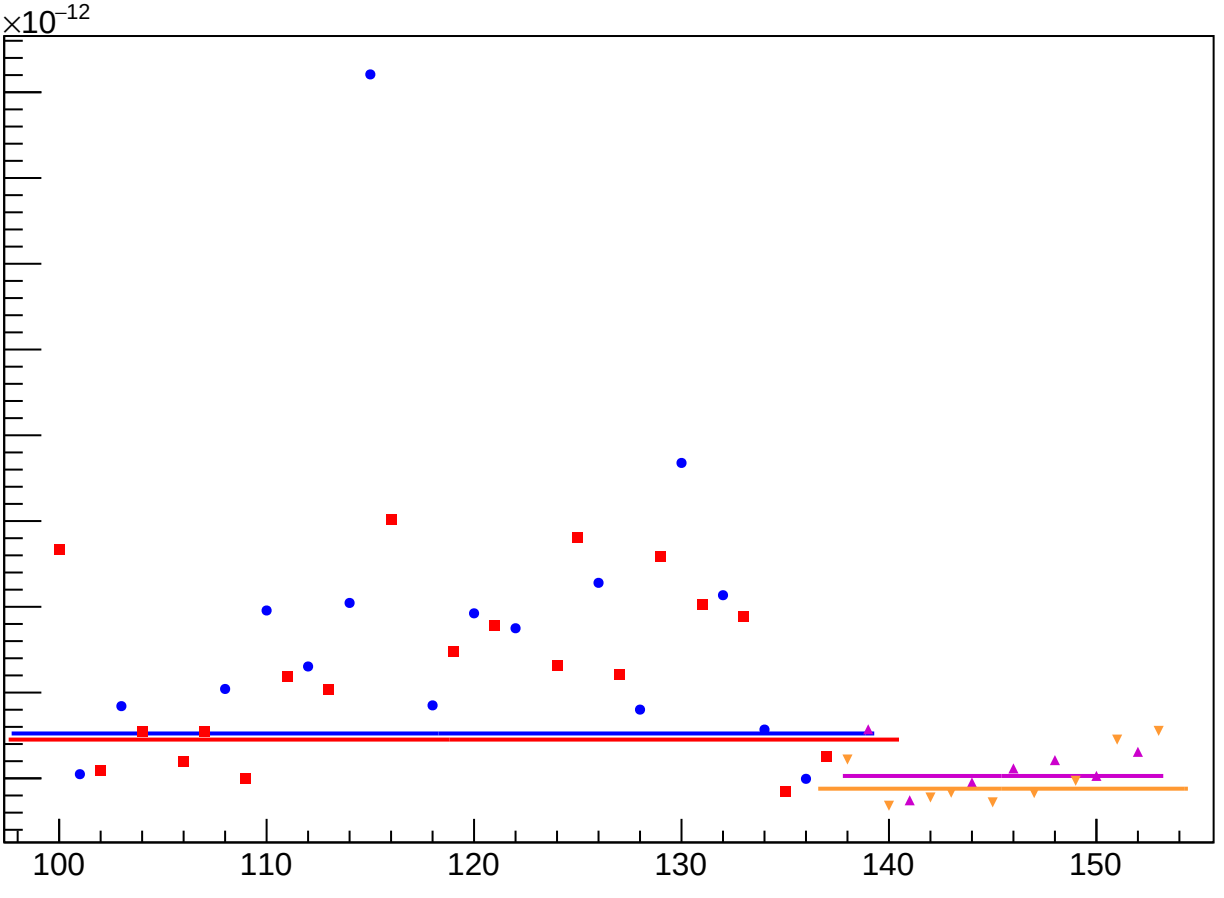
In: 28.337+/-0.006 χ^2/NDF:882966.9/22

Out: 29.988+/-0.006 χ^2/NDF:1378126.7/27

All: 29.147+/-0.004 χ^2/NDF: 2302116.7/50


asym_sam_37_48_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
Right In: -0.000+/-0.000 χ²/NDF: 16.9/15
Left Out: -0.000+/-0.000 χ²/NDF:5.5/8
Right Out: -0.000+/-0.000 χ²/NDF: 13.3/18
Left In: -0.000+/-0.000 χ²/NDF:3.2/6
Left: -0.000+/-0.000 χ²/NDF: 8.8/15
Right: -0.000+/-0.000 χ²/NDF: 30.9/34
In: -0.000+/-0.000 χ²/NDF:20.4/22
Out: -0.000+/-0.000 χ²/NDF:19.2/27
All: -0.000+/-0.000 χ²/NDF: 39.7/50

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:661016.2/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1998231.7/18

Left In: 0.000+/-0.000 χ^2/NDF:423650.8/6

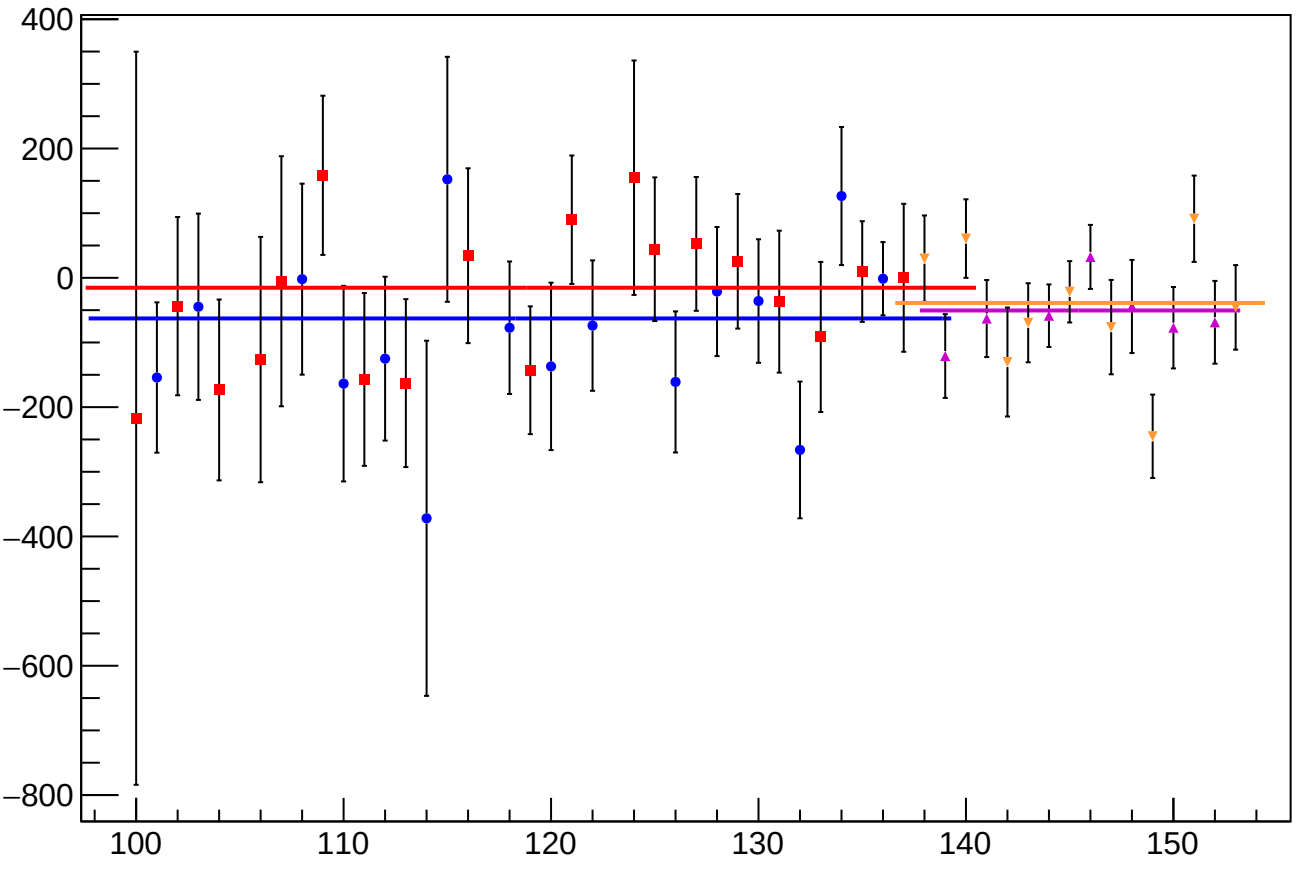
Left: 0.000+/-0.000 χ^2/NDF: 1184870.7/15

Right: 0.000+/-0.000 χ^2/NDF: 4028618.6/34

In: 0.000+/-0.000 χ^2/NDF:3028520.6/22

Out: 0.000+/-0.000 χ^2/NDF:3576059.2/27

All: 0.000+/-0.000 χ^2/NDF: 6754623.0/50



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: -38.845+/-21.158 χ^2/NDF:19.6/8

Right Out: -15.288+/-27.770 χ^2/NDF: 11.5/18

Left In: -50.480+/-22.115 χ^2/NDF:4.3/6

Left: -44.405+/-15.288 χ^2/NDF: 24.1/15

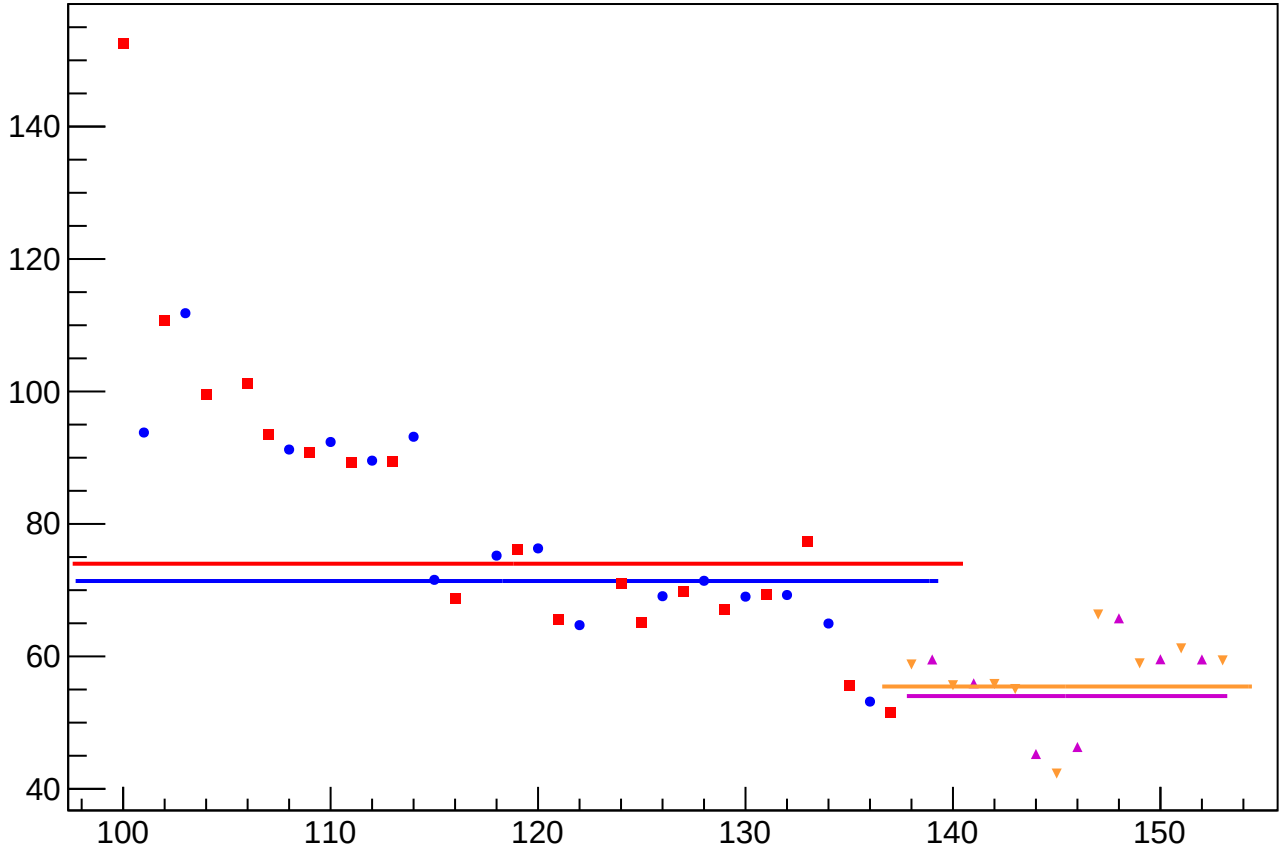
Right: -39.524+/-19.436 χ^2/NDF: 26.4/34

In: -55.379+/-17.163 χ^2/NDF:17.9/22

Out: -30.193+/-16.830 χ^2/NDF:31.5/27

All: -42.540+/-12.016 χ^2/NDF: 50.6/50

reg_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 55.455+/-0.015 χ^2/NDF:231030.5/8

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

Left In: 54.011+/-0.016 χ^2/NDF:213994.2/6

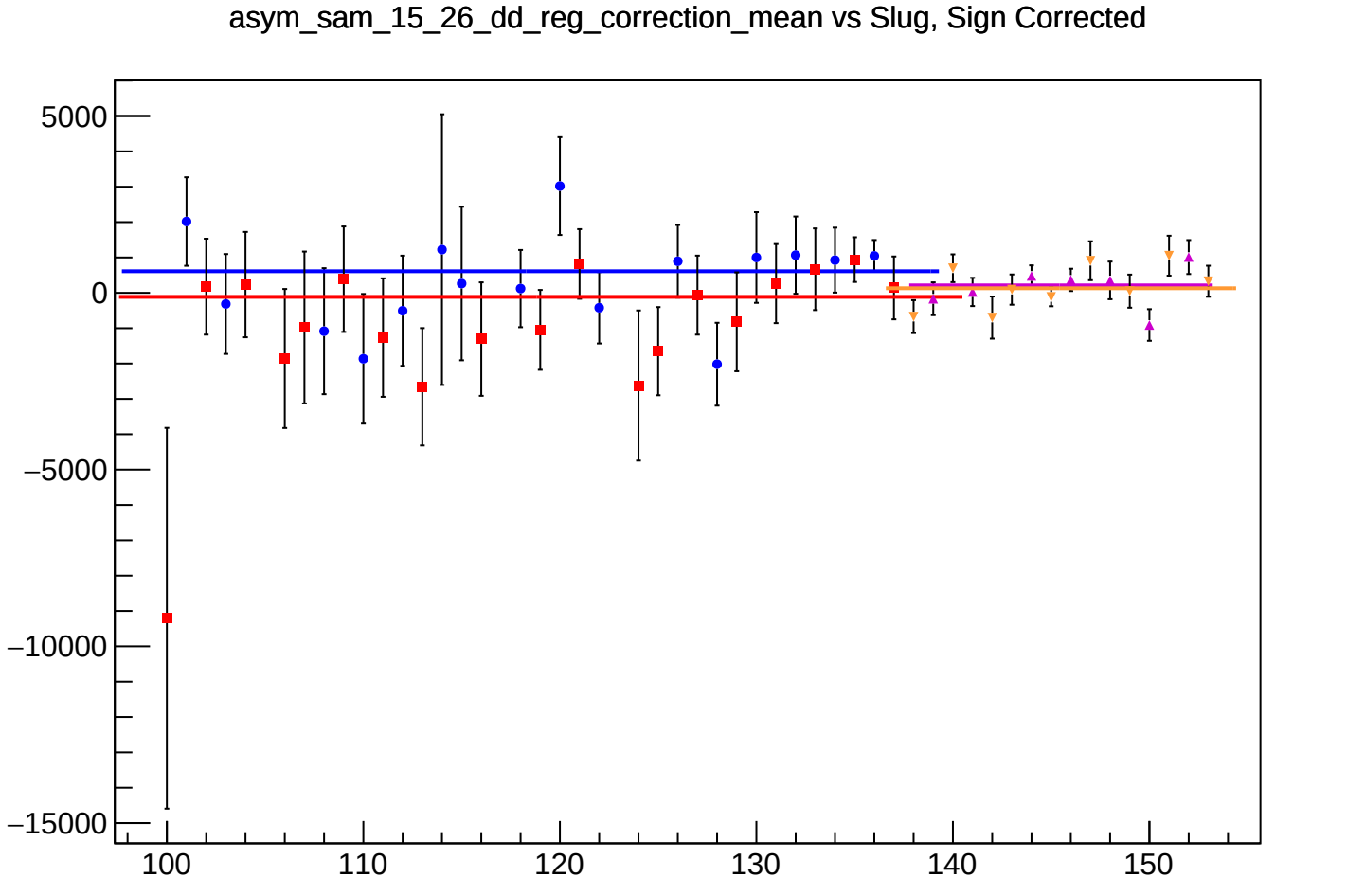
Left: 54.765+/-0.011 χ^2/NDF: 449475.0/15

Right: 72.662+/-0.014 χ^2/NDF: 1238370.4/34

In: 60.921+/-0.012 χ^2/NDF:1295741.4/22

Out: 62.264+/-0.012 χ^2/NDF:1433414.0/27

All: 61.606+/-0.008 χ^2/NDF: 2735399.6/50



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 129.353+/-141.483 χ^2/NDF:12.8/8

Right Out: -114.633+/-284.312 χ^2/NDF: 15.6/18

Left In: 210.663+/-149.032 χ^2/NDF:11.0/6

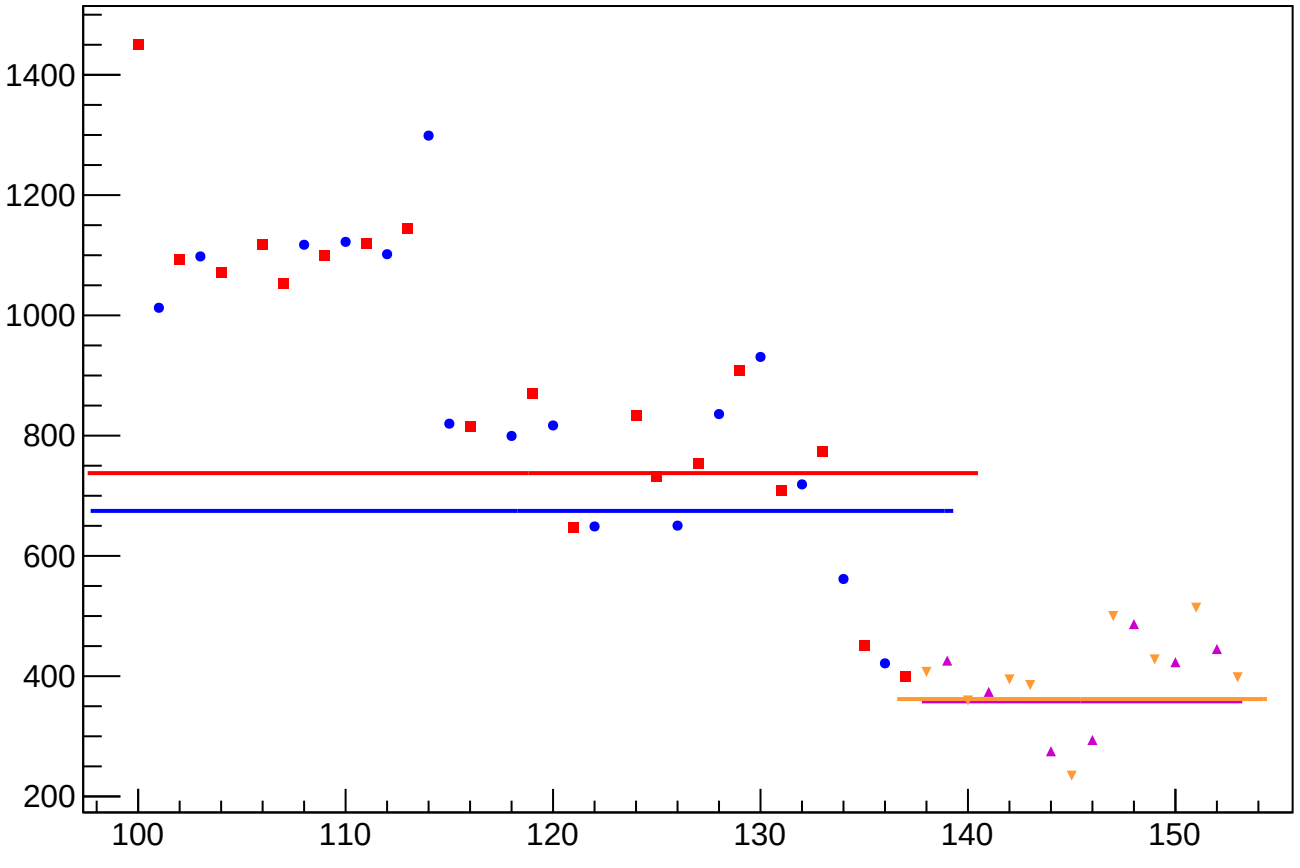
Left: 167.897+/-102.609 χ^2/NDF: 24.0/15

Right: 270.981+/-194.553 χ^2/NDF: 34.7/34

In: 305.765+/-130.110 χ^2/NDF:28.5/22

Out: 80.925+/-126.666 χ^2/NDF:28.9/27

All: 190.330+/-90.759 χ^2/NDF: 58.9/50



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 361.958+/-0.100 χ^2/NDF:822061.5/8

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

Left In: 358.096+/-0.105 χ^2/NDF:507345.6/6

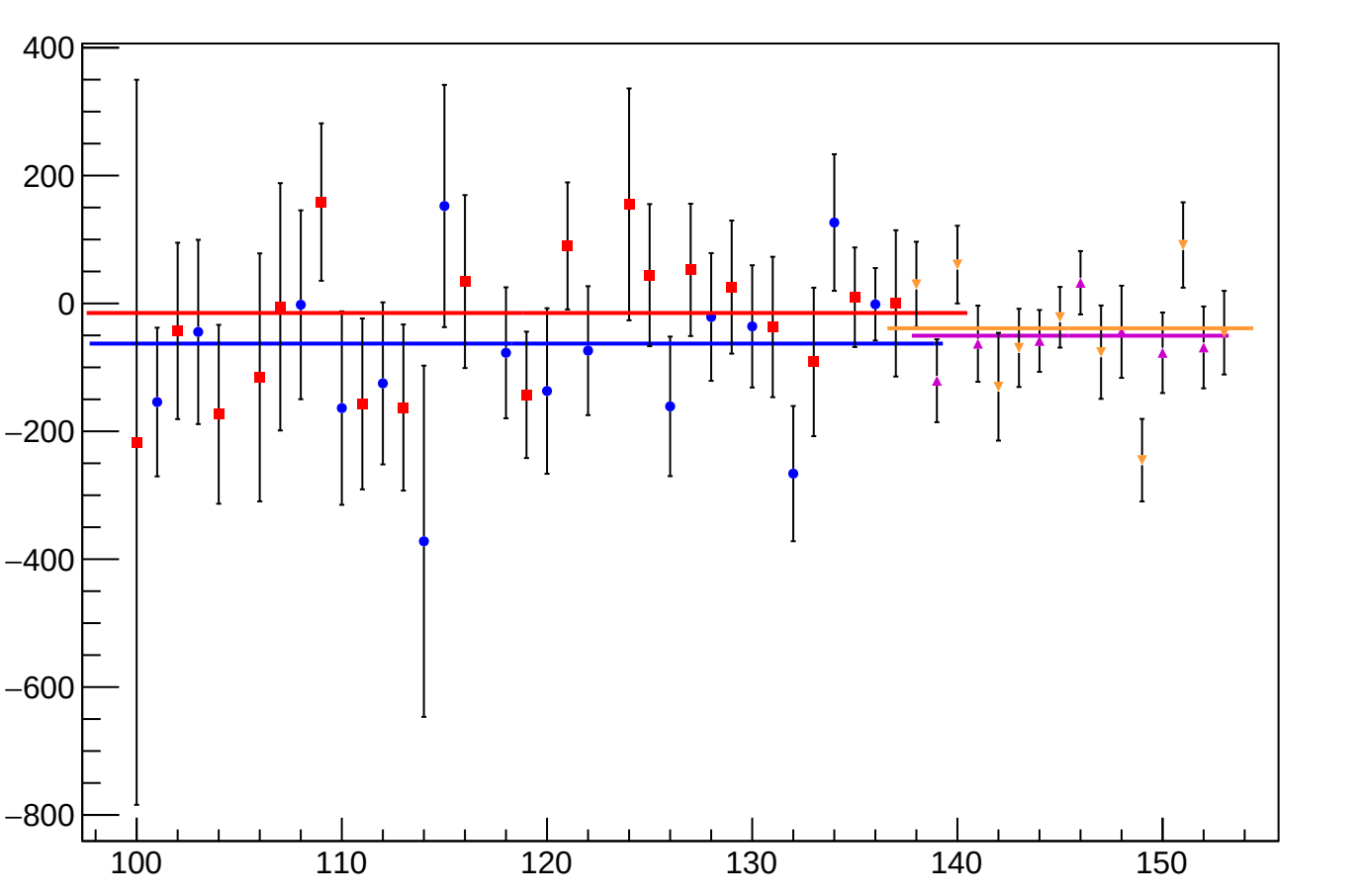
Left: 360.127+/-0.073 χ^2/NDF: 1330113.7/15

Right: 704.257+/-0.138 χ^2/NDF: 3186306.4/34

In: 433.420+/-0.092 χ^2/NDF:4273279.5/22

Out: 436.533+/-0.090 χ^2/NDF:5138243.7/27

All: 435.018+/-0.064 χ^2/NDF: 9412110.8/50



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -38.846+/-21.158 χ^2/NDF:19.6/8

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -50.481+/-22.115 χ^2/NDF:4.3/6

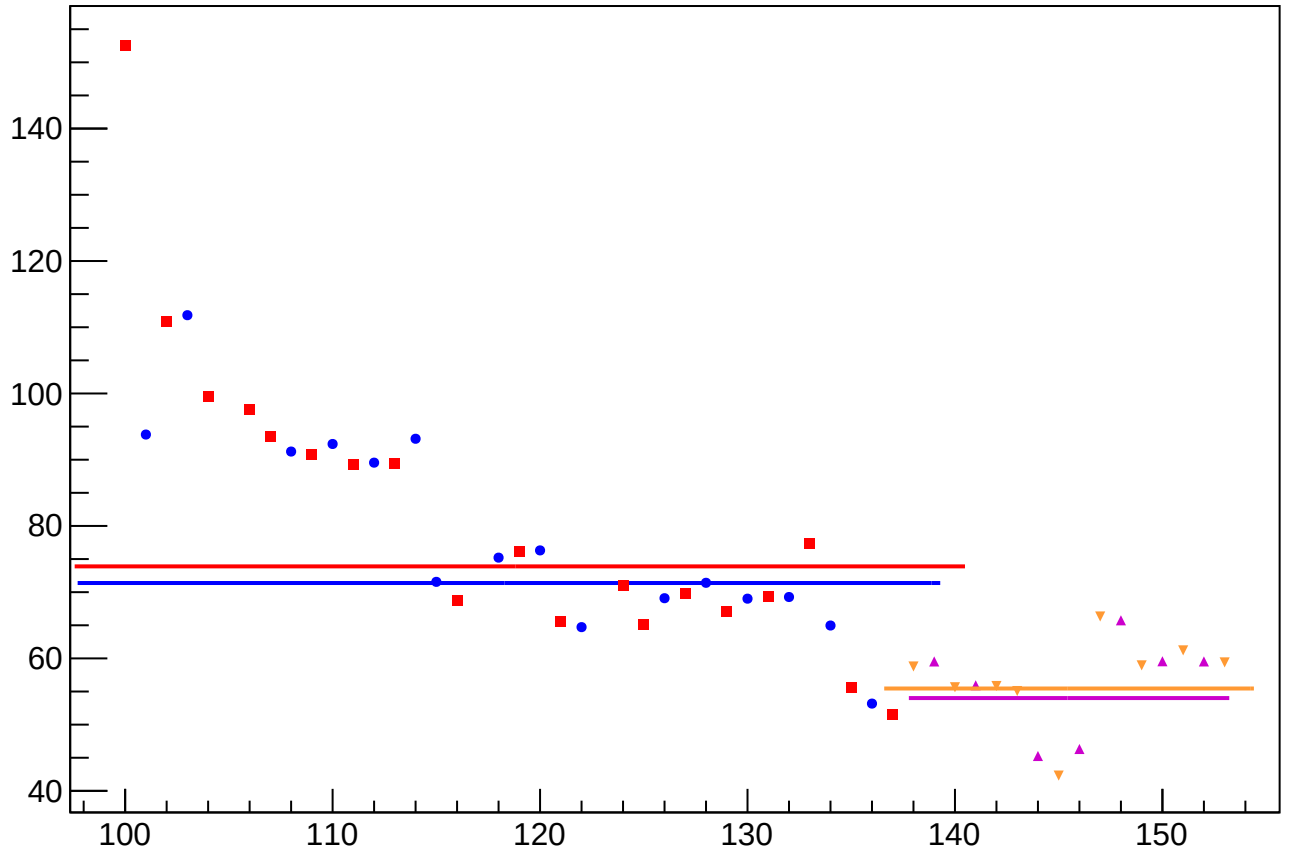
Left: -44.406+/-15.288 χ^2/NDF: 24.1/15

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -55.377+/-17.163 χ^2/NDF:17.9/22

Out: -30.068+/-16.833 χ^2/NDF:31.5/27

All: -42.477+/-12.017 χ^2/NDF: 50.5/50



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 55.455+/-0.015 χ^2/NDF:231030.5/8

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 54.011+/-0.016 χ^2/NDF:213994.2/6

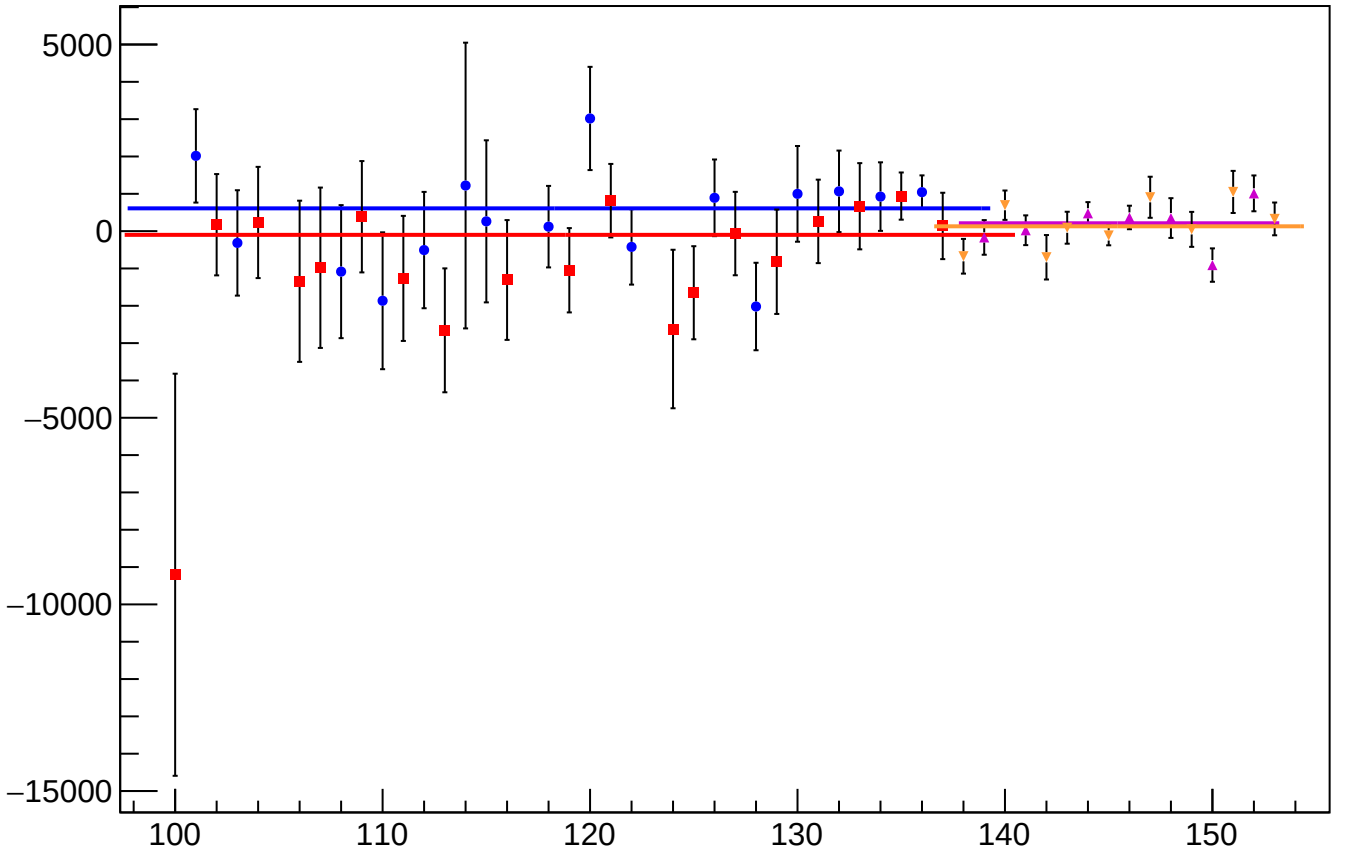
Left: 54.765+/-0.011 χ^2/NDF: 449475.0/15

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 60.921+/-0.012 χ^2/NDF:1295744.0/22

Out: 62.223+/-0.012 χ^2/NDF:1415594.0/27

All: 61.585+/-0.008 χ^2/NDF: 2717208.3/50



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 129.351+/-141.483 χ^2/NDF:12.8/8

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 210.661+/-149.032 χ^2/NDF:11.0/6

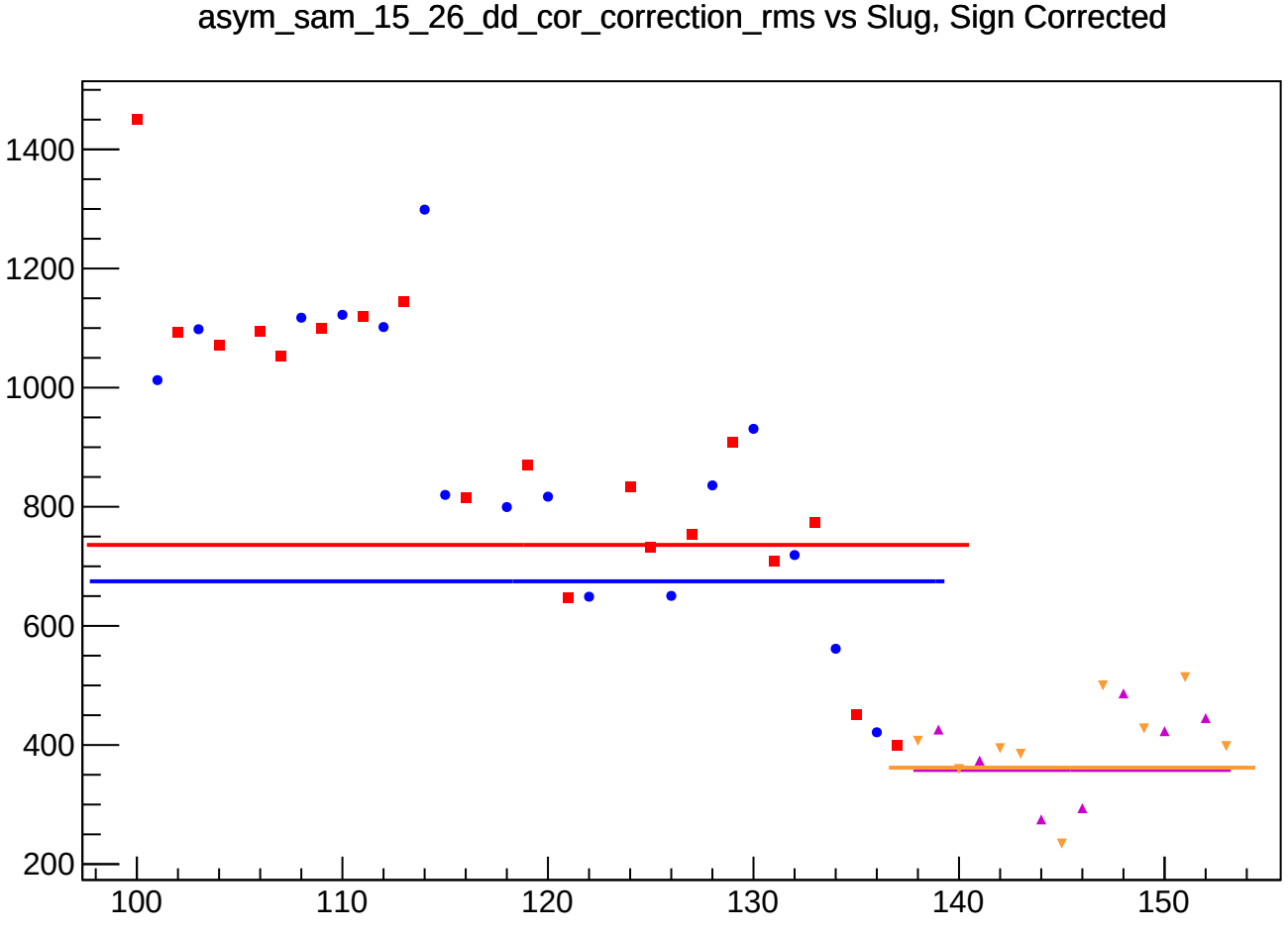
Left: 167.895+/-102.609 χ^2/NDF: 24.0/15

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 305.760+/-130.110 χ^2/NDF:28.5/22

Out: 84.049+/-126.712 χ^2/NDF:28.4/27

All: 191.972+/-90.776 χ^2/NDF: 58.3/50



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 361.958+/-0.100 χ^2/NDF:822067.4/8

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 358.096+/-0.105 χ^2/NDF:507346.8/6

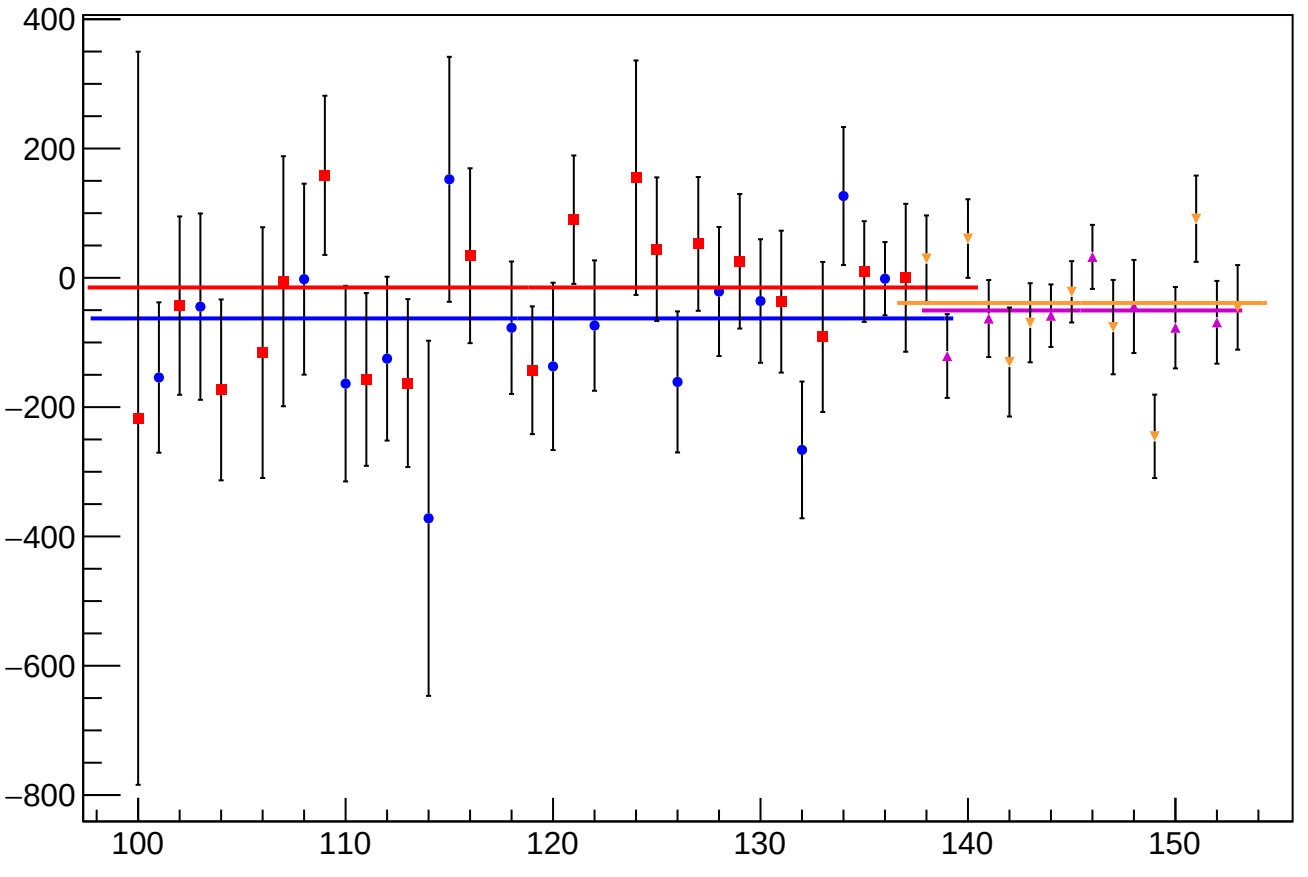
Left: 360.127+/-0.073 χ^2/NDF: 1330120.5/15

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 433.420+/-0.092 χ^2/NDF:4273303.5/22

Out: 435.967+/-0.090 χ^2/NDF:5084293.9/27

All: 434.727+/-0.064 χ^2/NDF: 9357990.8/50



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -38.846+/-21.158 χ^2/NDF:19.6/8

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -50.481+/-22.115 χ^2/NDF:4.3/6

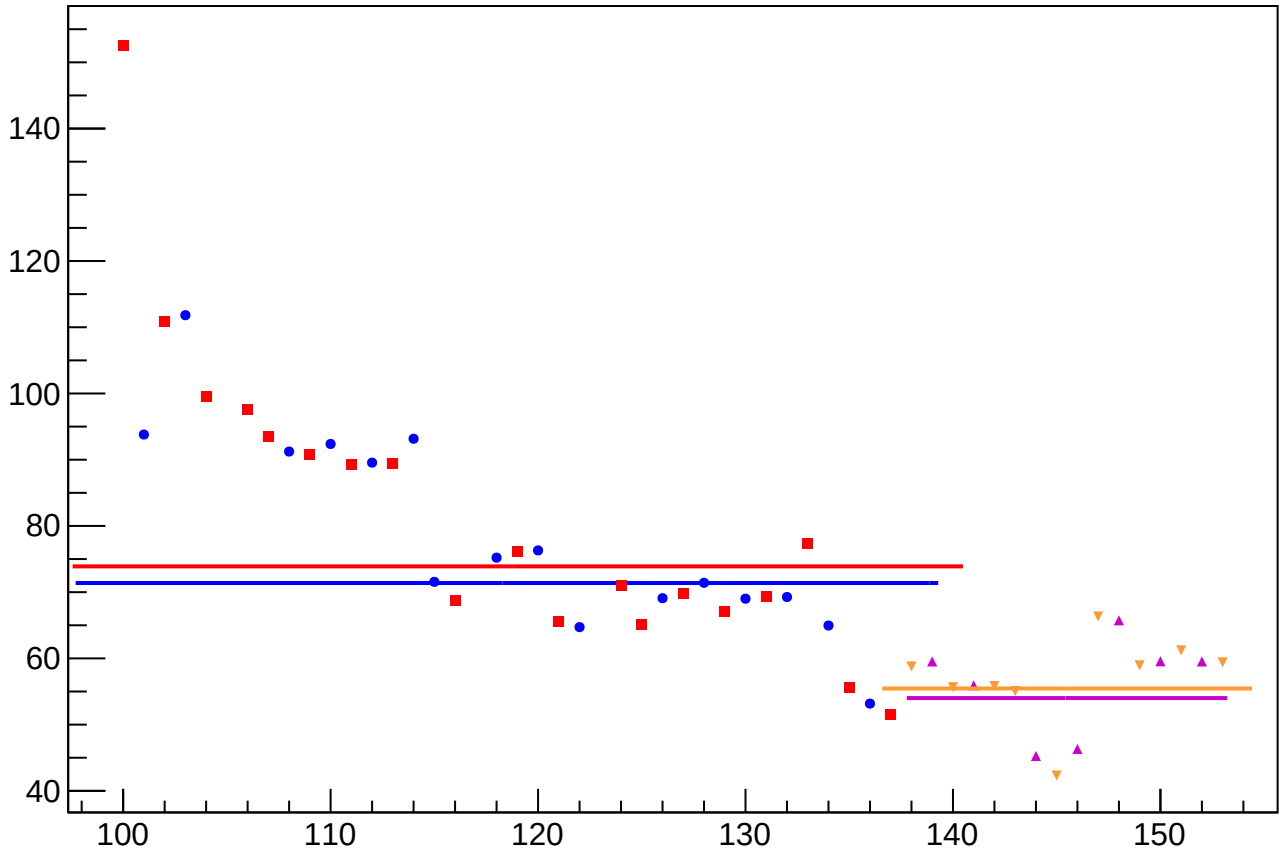
Left: -44.406+/-15.288 χ^2/NDF: 24.1/15

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -55.377+/-17.163 χ^2/NDF:17.9/22

Out: -30.068+/-16.833 χ^2/NDF:31.5/27

All: -42.477+/-12.017 χ^2/NDF: 50.5/50



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 55.455+/-0.015 χ^2/NDF:231030.5/8

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 54.011+/-0.016 χ^2/NDF:213994.2/6

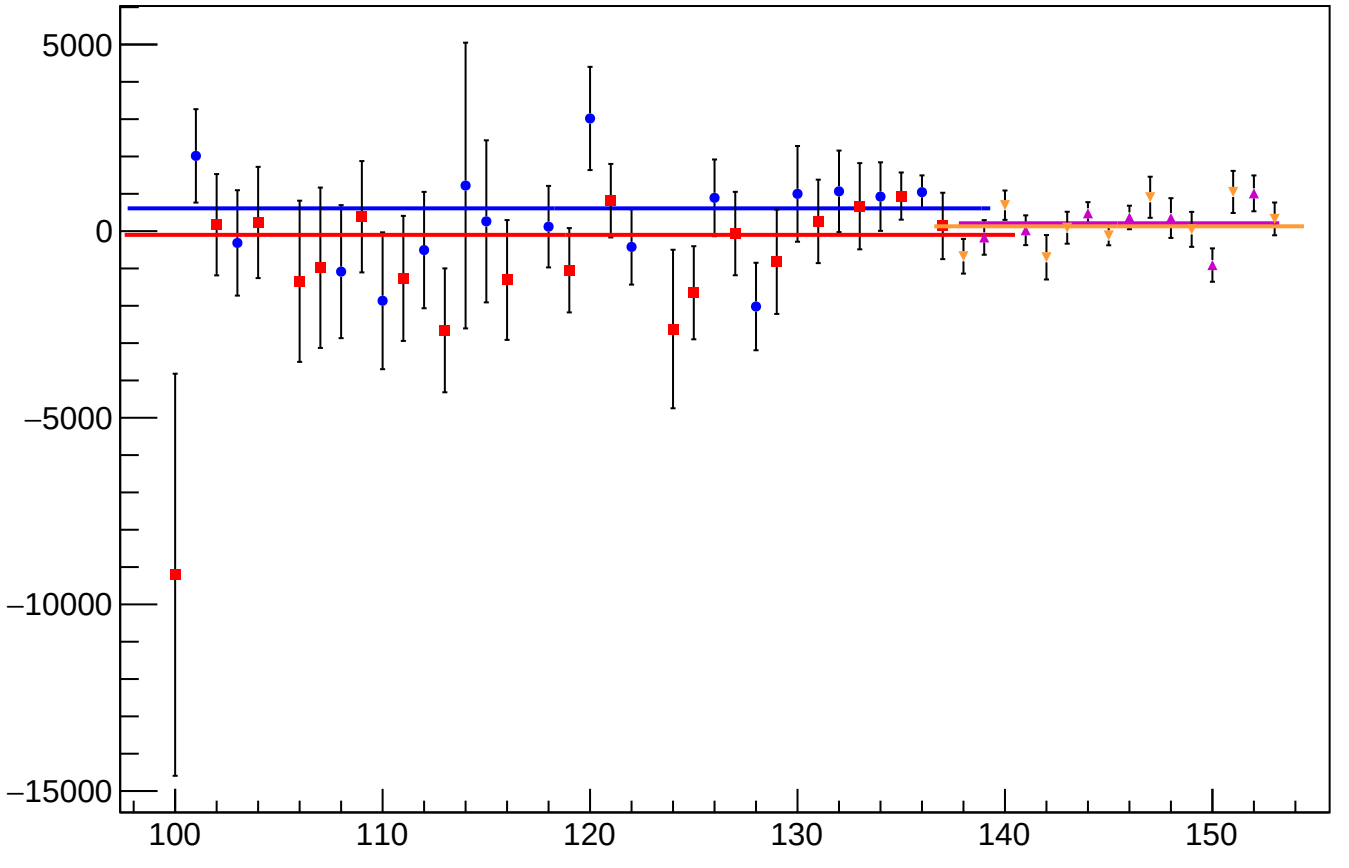
Left: 54.765+/-0.011 χ^2/NDF: 449475.0/15

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 60.921+/-0.012 χ^2/NDF:1295744.0/22

Out: 62.223+/-0.012 χ^2/NDF:1415594.0/27

All: 61.585+/-0.008 χ^2/NDF: 2717208.3/50



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 129.351+/-141.483 χ^2/NDF:12.8/8

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: 210.661+/-149.032 χ^2/NDF:11.0/6

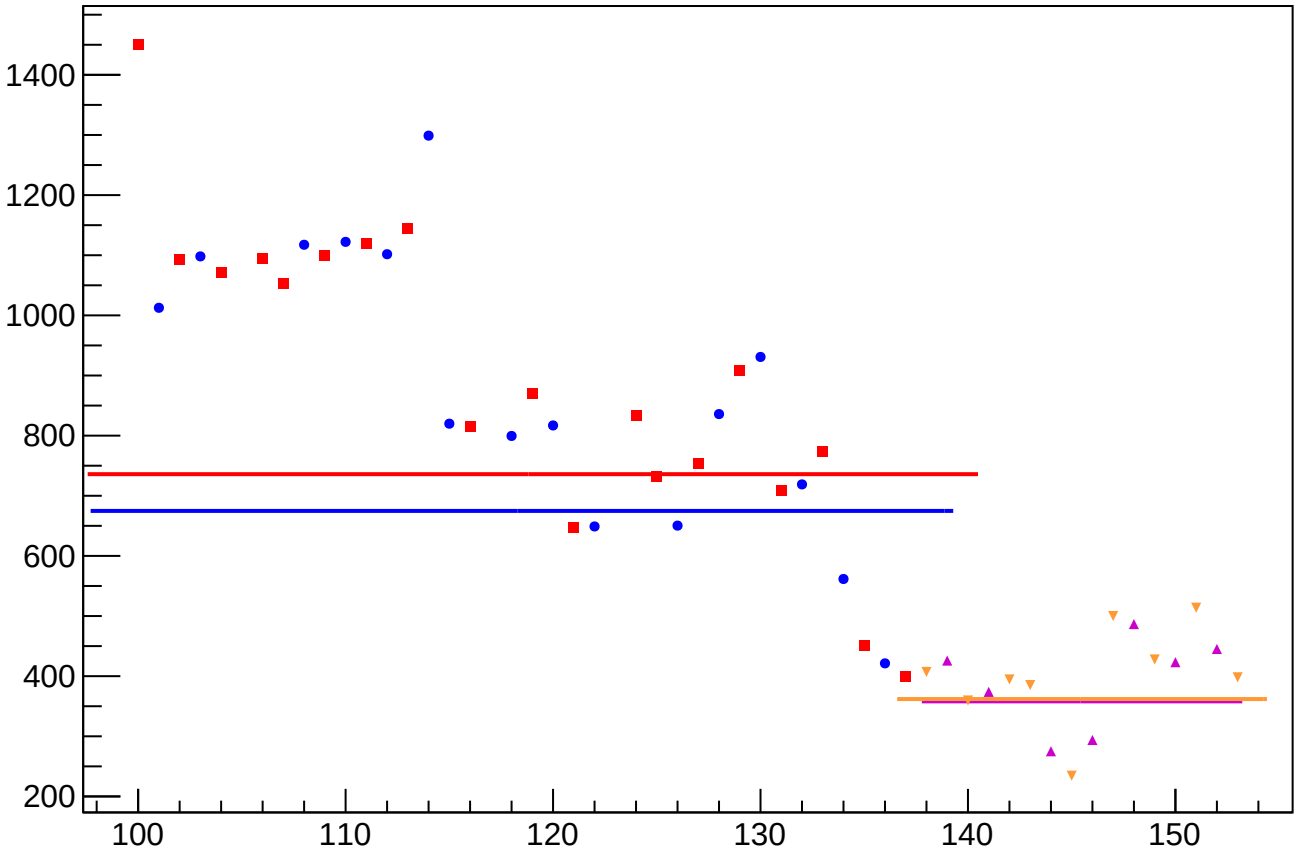
Left: 167.895+/-102.609 χ^2/NDF: 24.0/15

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 305.760+/-130.110 χ^2/NDF:28.5/22

Out: 84.049+/-126.712 χ^2/NDF:28.4/27

All: 191.972+/-90.776 χ^2/NDF: 58.3/50



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 361.958+/-0.100 χ^2/NDF:822067.4/8

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 358.096+/-0.105 χ^2/NDF:507346.8/6

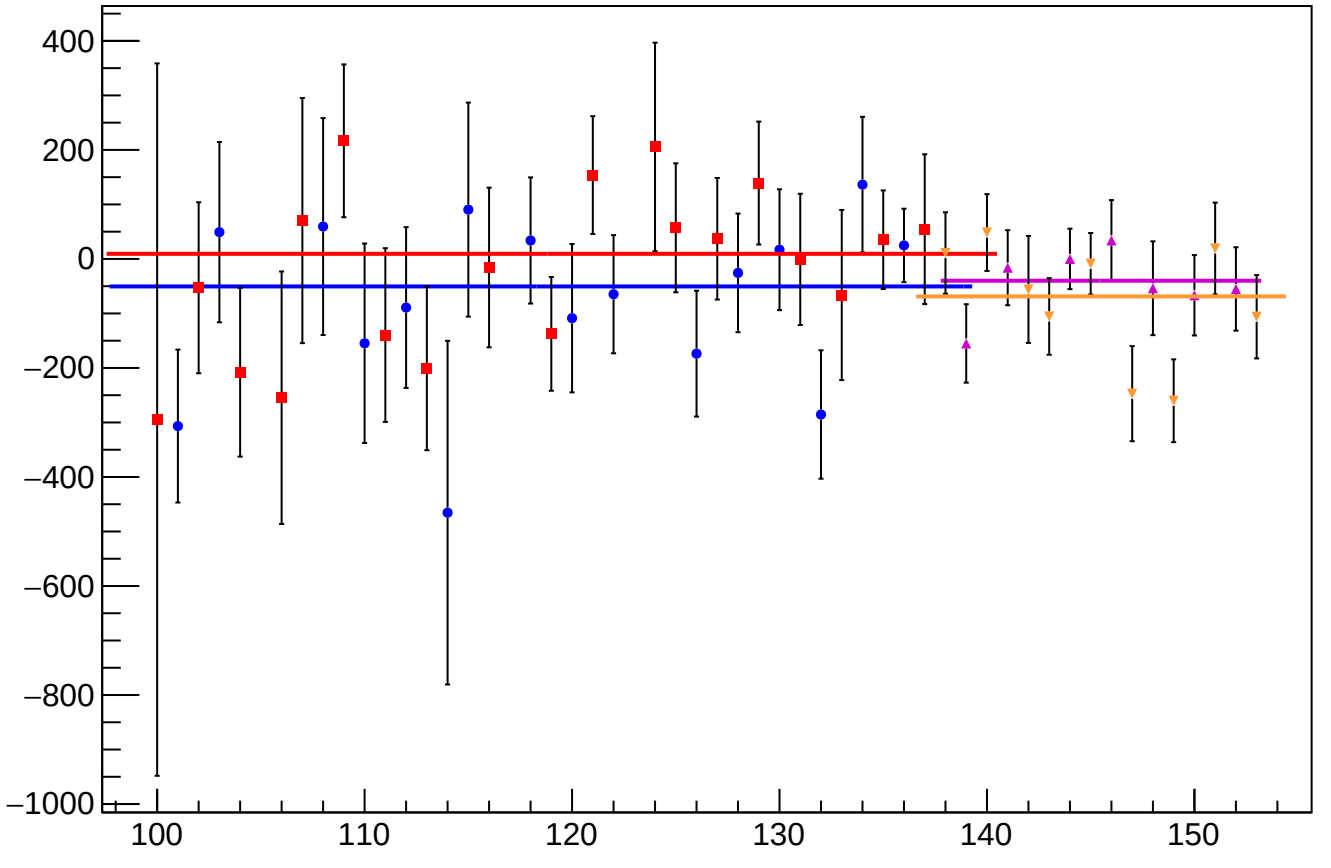
Left: 360.127+/-0.073 χ^2/NDF: 1330120.5/15

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 433.420+/-0.092 χ^2/NDF:4273303.5/22

Out: 435.967+/-0.090 χ^2/NDF:5084293.9/27

All: 434.727+/-0.064 χ^2/NDF: 9357990.8/50



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -68.754+/-24.856 χ^2/NDF:17.2/8

Right Out: 9.380+/-31.235 χ^2/NDF: 15.6/18

Left In: -39.972+/-26.704 χ^2/NDF:4.4/6

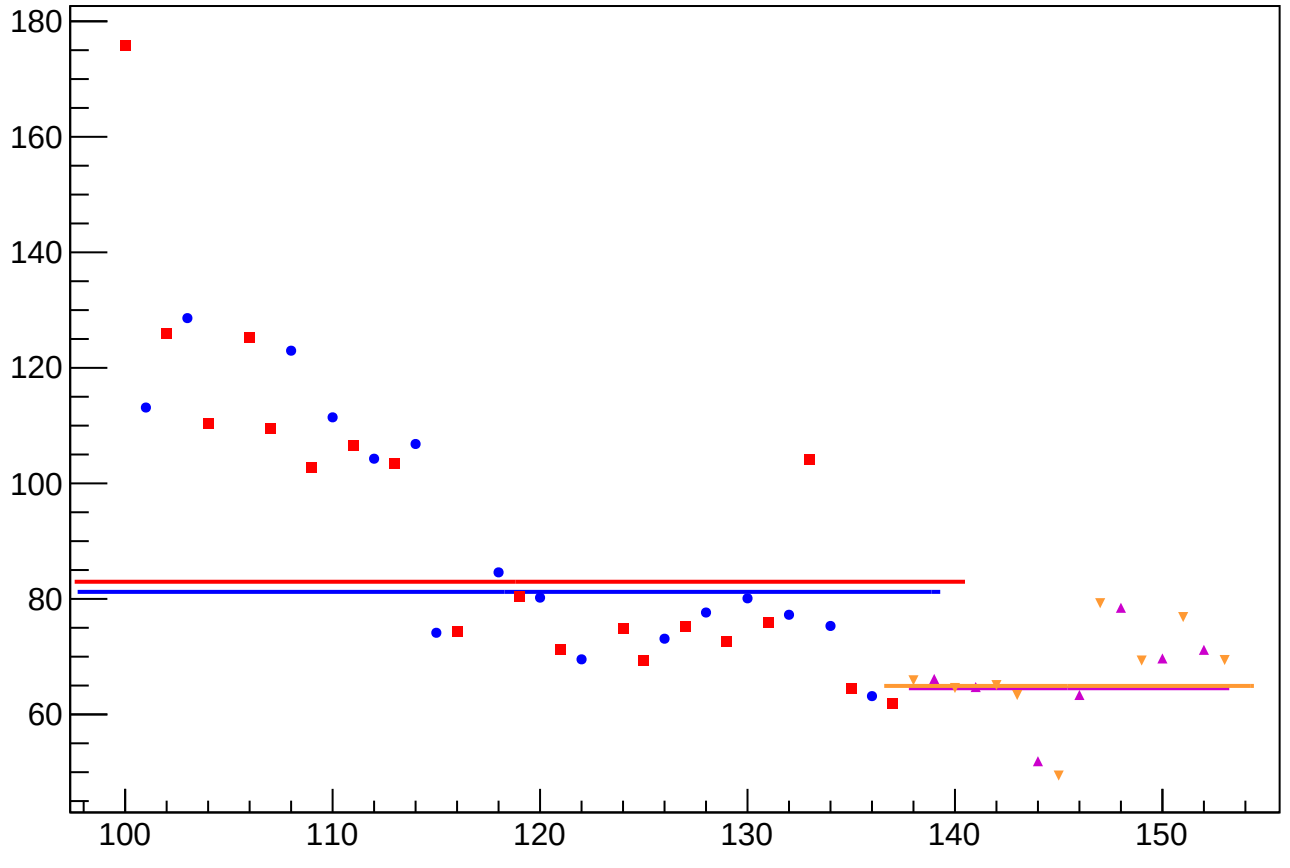
Left: -55.393+/-18.194 χ^2/NDF: 22.2/15

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -44.432+/-20.249 χ^2/NDF:20.9/22

Out: -38.459+/-19.449 χ^2/NDF:36.6/27

All: -41.325+/-14.027 χ^2/NDF: 57.5/50



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 64.936+/-0.018 χ^2/NDF:260609.6/8

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

Left In: 64.534+/-0.019 χ^2/NDF:182764.7/6

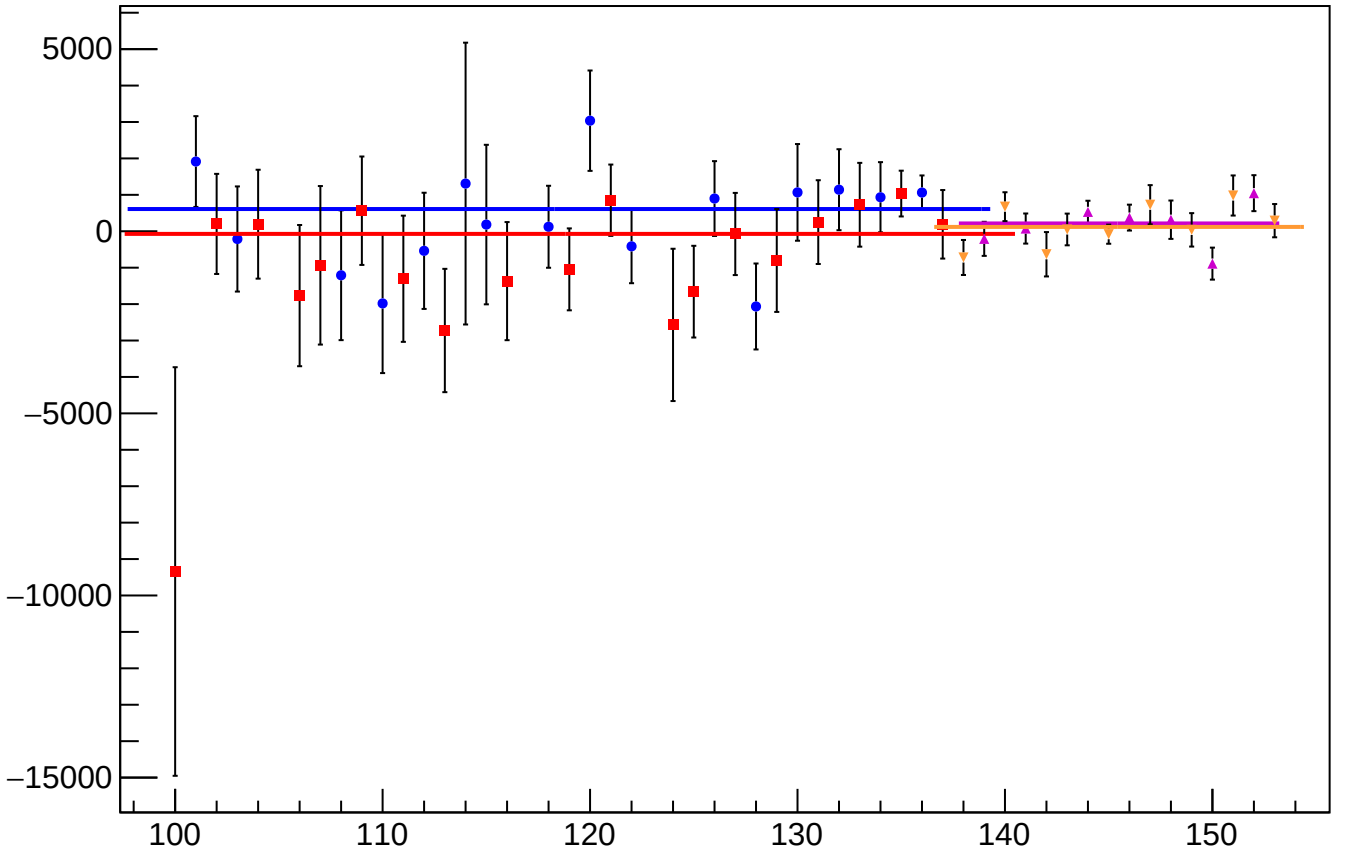
Left: 64.749+/-0.013 χ^2/NDF: 443617.4/15

Right: 82.090+/-0.016 χ^2/NDF: 1396425.1/34

In: 71.625+/-0.014 χ^2/NDF:1177433.6/22

Out: 71.929+/-0.014 χ^2/NDF:1399239.5/27

All: 71.783+/-0.010 χ^2/NDF: 2576907.9/50



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 119.210+/-142.131 χ^2/NDF:11.0/8

Right Out: -72.311+/-286.830 χ^2/NDF: 16.2/18

Left In: 214.414+/-154.370 χ^2/NDF:11.4/6

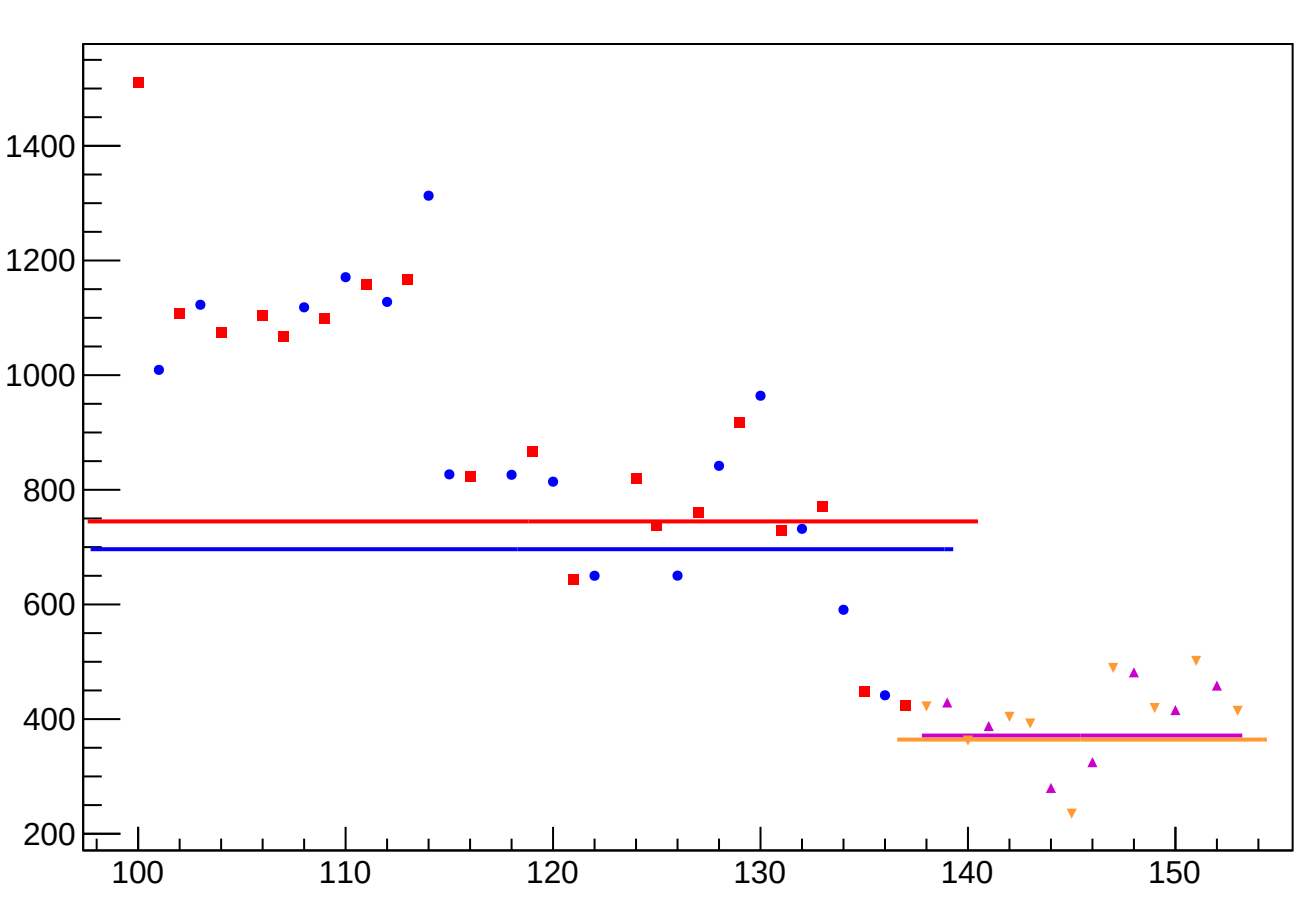
Left: 162.889+/-104.561 χ^2/NDF: 22.7/15

Right: 284.669+/-198.121 χ^2/NDF: 34.9/34

In: 309.826+/-134.491 χ^2/NDF:28.8/22

Out: 81.454+/-127.353 χ^2/NDF:27.6/27

All: 189.419+/-92.473 χ^2/NDF: 57.9/50



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 364.304+/-0.101 χ^2/NDF:816403.9/8

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

Left In: 371.307+/-0.109 χ^2/NDF:417462.8/6

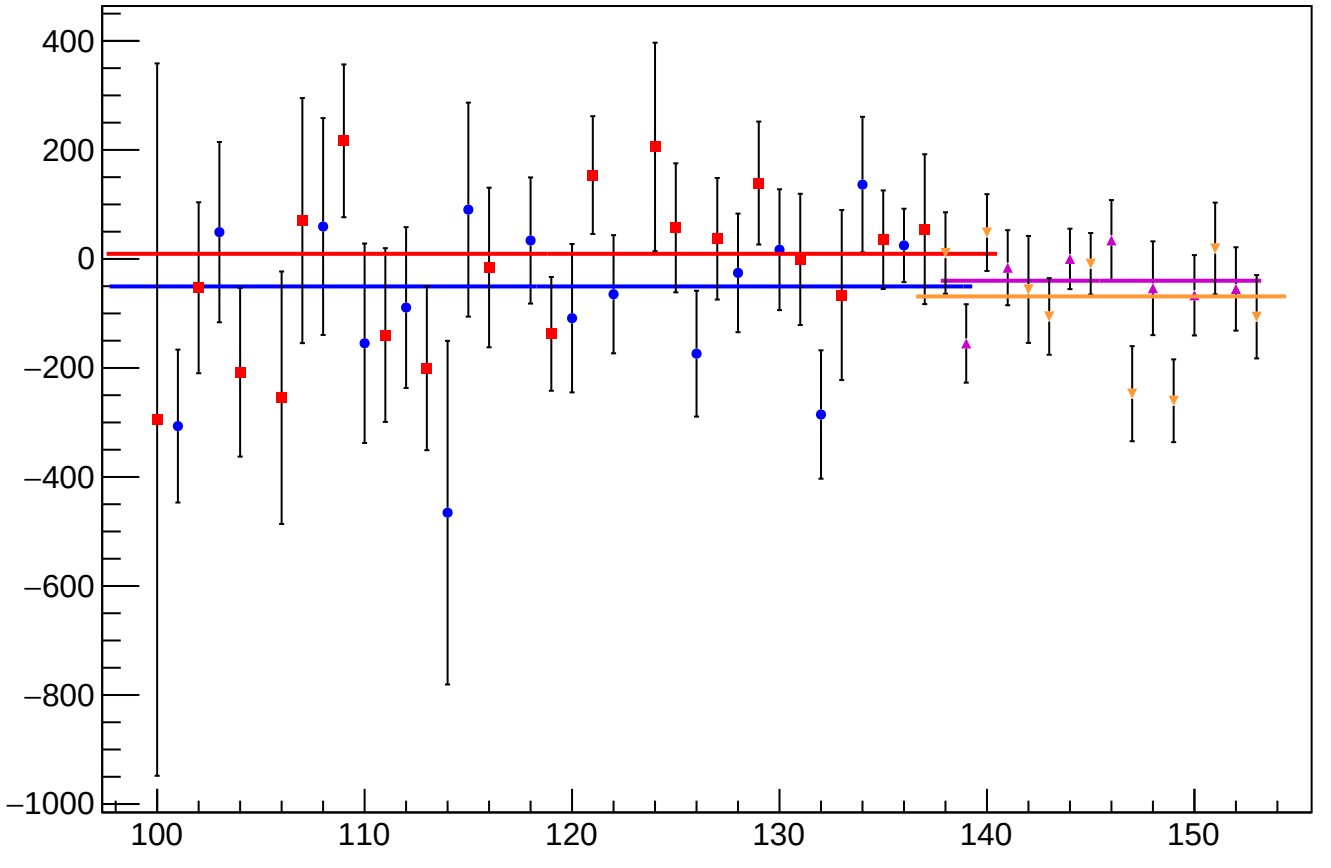
Left: 367.517+/-0.074 χ^2/NDF: 1236094.7/15

Right: 719.512+/-0.140 χ^2/NDF: 3043745.4/34

In: 449.635+/-0.095 χ^2/NDF:4069857.6/22

Out: 439.329+/-0.090 χ^2/NDF:5141551.3/27

All: 444.201+/-0.065 χ^2/NDF: 9217600.7/50



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -68.753+/-24.856 χ^2/NDF:17.2/8

Right Out: 9.381+/-31.235 χ^2/NDF: 15.6/18

Left In: -39.971+/-26.704 χ^2/NDF:4.4/6

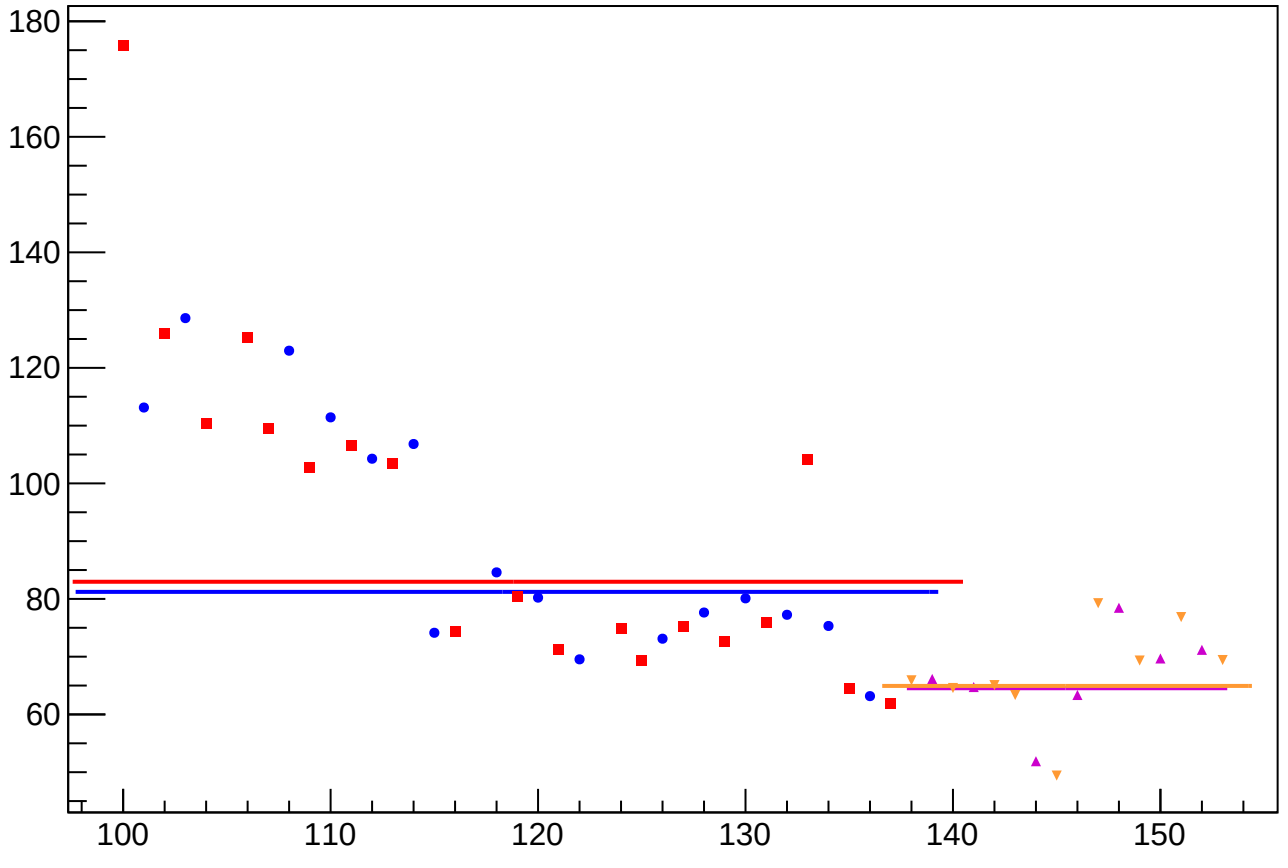
Left: -55.392+/-18.194 χ^2/NDF: 22.2/15

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -44.431+/-20.249 χ^2/NDF:20.9/22

Out: -38.458+/-19.449 χ^2/NDF:36.6/27

All: -41.324+/-14.027 χ^2/NDF: 57.5/50



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 64.936+/-0.018 χ^2/NDF:260605.2/8

Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 64.534+/-0.019 χ^2/NDF:182764.9/6

Left: 64.750+/-0.013 χ^2/NDF: 443613.1/15

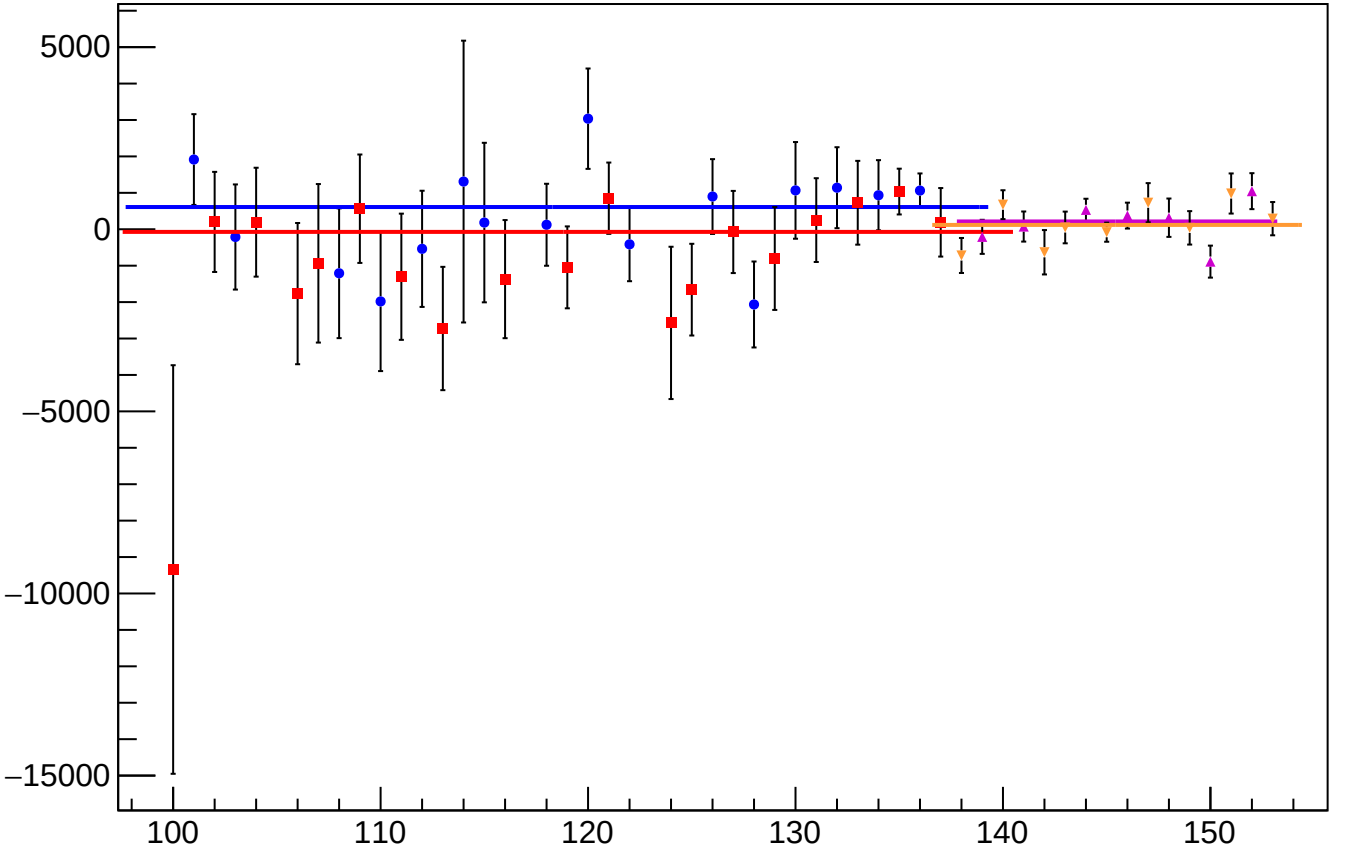
Right: 82.089+/-0.016 χ^2/NDF: 1396405.1/34

In: 71.625+/-0.014 χ^2/NDF:1177394.5/22

Out: 71.929+/-0.014 χ^2/NDF:1399202.3/27

All: 71.783+/-0.010 χ^2/NDF: 2576831.6/50

asym_sam_15_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: 119.210+/-142.131 χ^2/NDF:11.0/8

Right Out: -72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: 214.414+/-154.370 χ^2/NDF:11.4/6

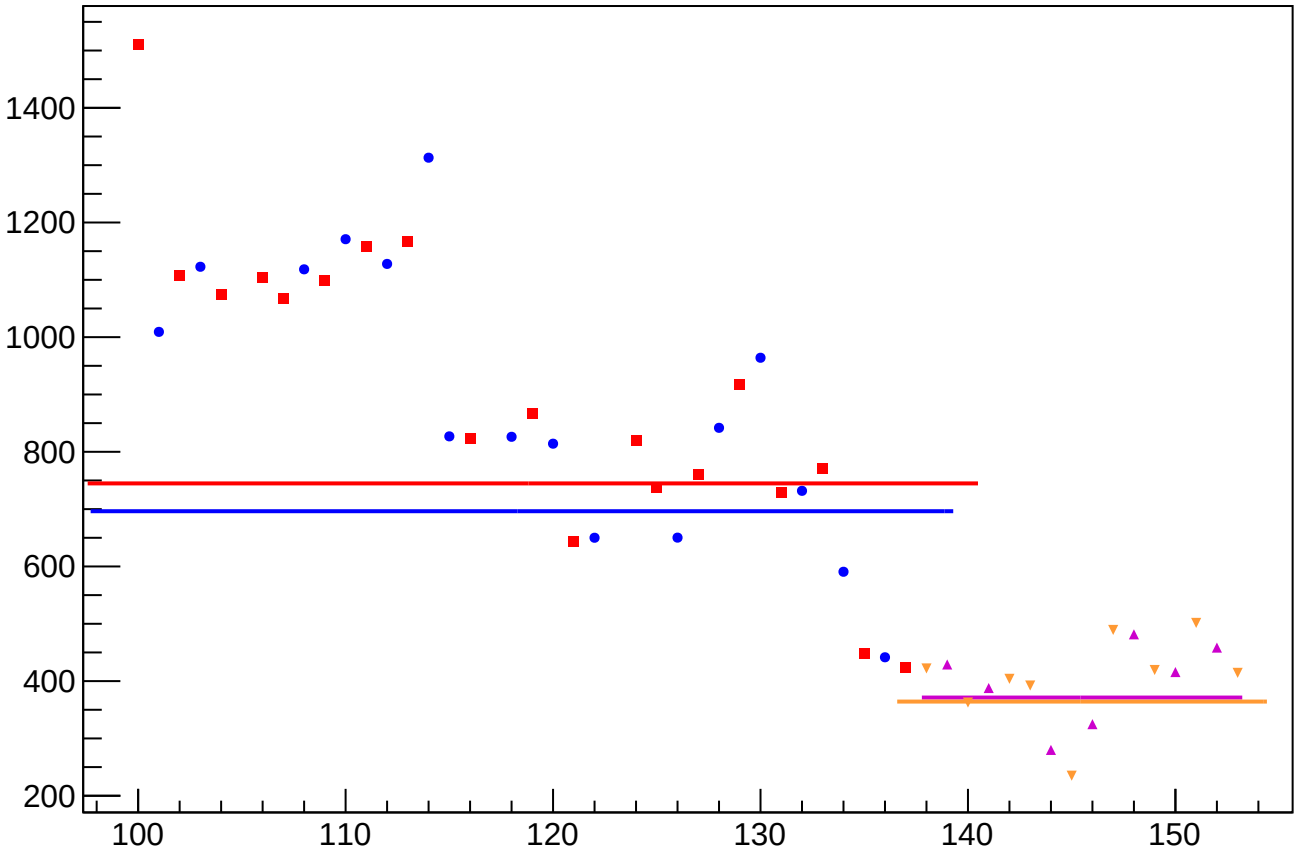
Left: 162.889+/-104.561 χ^2/NDF: 22.7/15

Right: 284.667+/-198.121 χ^2/NDF: 34.9/34

In: 309.827+/-134.491 χ^2/NDF:28.8/22

Out: 81.453+/-127.353 χ^2/NDF:27.6/27

All: 189.419+/-92.473 χ^2/NDF: 57.9/50



Right In: 696.370+/-0.194 χ^2/NDF: 1515461.8/15

Left Out: 364.303+/-0.101 χ^2/NDF:816420.8/8

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

Left In: 371.307+/-0.109 χ^2/NDF:417468.3/6

Left: 367.517+/-0.074 χ^2/NDF: 1236117.2/15

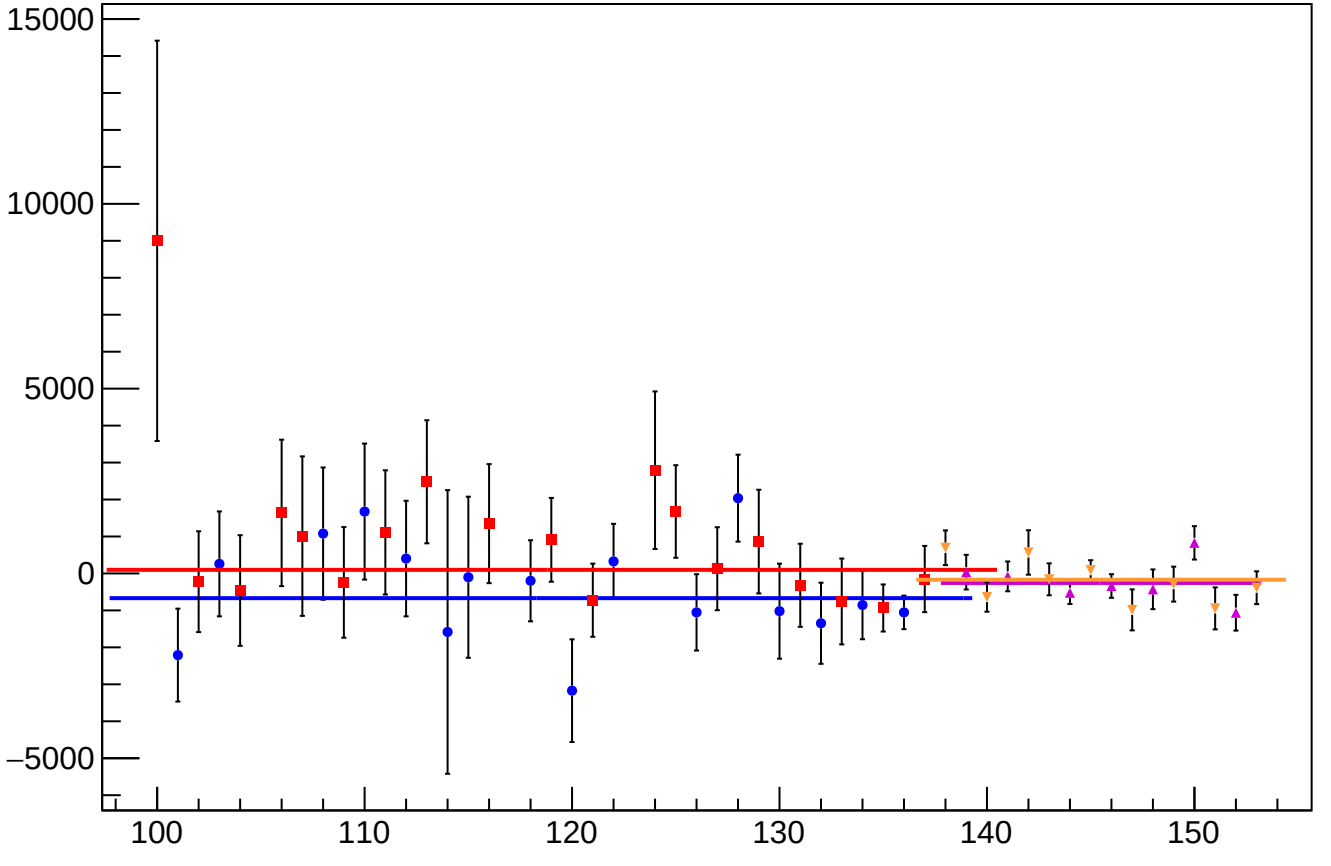
Right: 719.511+/-0.140 χ^2/NDF: 3043716.8/34

In: 449.635+/-0.095 χ^2/NDF:4069840.4/22

Out: 439.329+/-0.090 χ^2/NDF:5141551.9/27

All: 444.201+/-0.065 χ^2/NDF: 9217584.4/50

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -170.057+/-143.179 χ^2/NDF:11.5/8

Right Out: 98.003+/-285.882 χ^2/NDF: 14.8/18

Left In: -256.751+/-150.777 χ^2/NDF:10.0/6

Left: -211.165+/-103.825 χ^2/NDF: 21.8/15

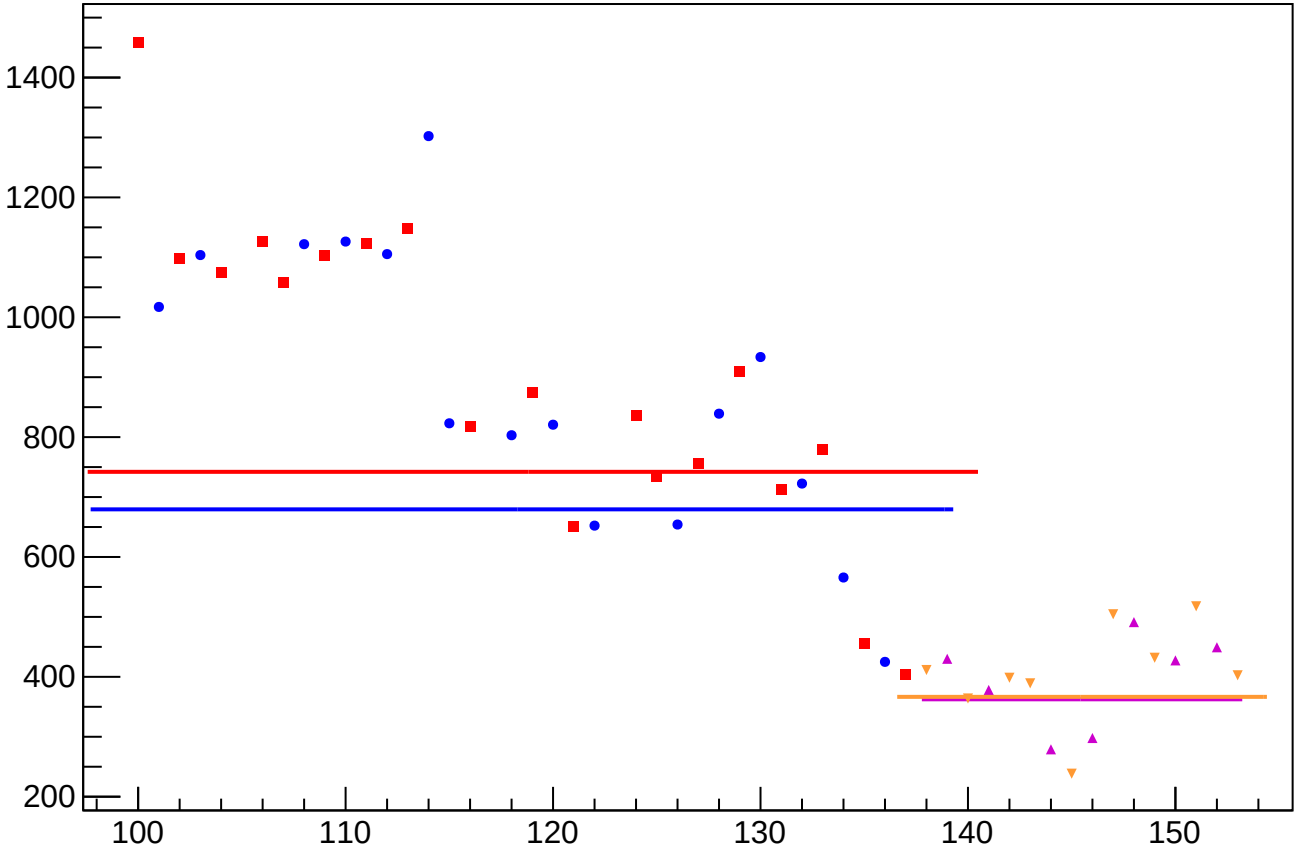
Right: -309.326+/-195.696 χ^2/NDF: 34.8/34

In: -355.491+/-131.461 χ^2/NDF:28.0/22

Out: -116.302+/-128.021 χ^2/NDF:27.1/27

All: -232.726+/-91.716 χ^2/NDF: 56.7/50

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 366.593+/-0.101 χ^2/NDF:803031.0/8

Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 362.491+/-0.107 χ^2/NDF:498046.4/6

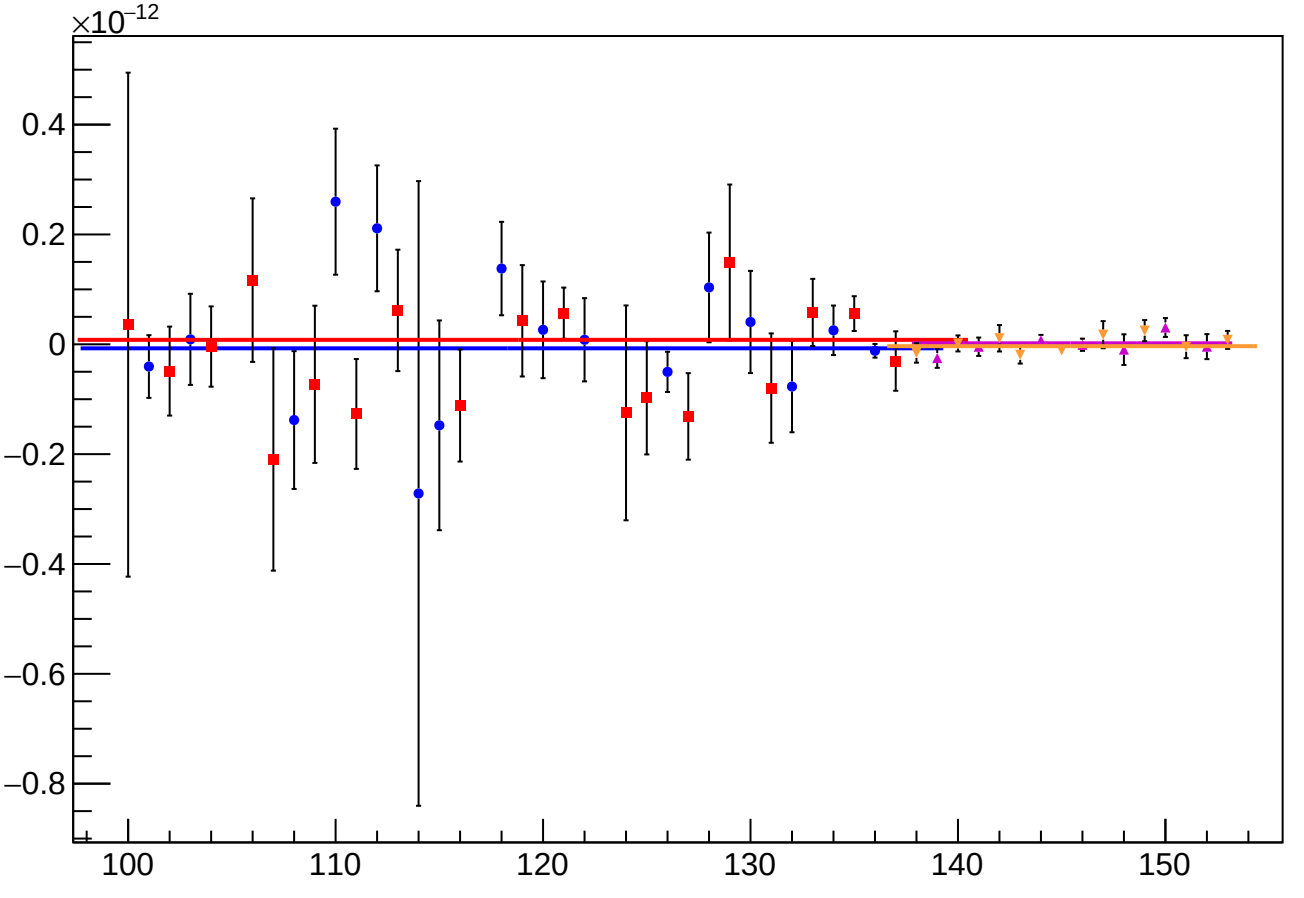
Left: 364.648+/-0.073 χ^2/NDF: 1301855.6/15

Right: 708.808+/-0.138 χ^2/NDF: 3156293.3/34

In: 438.504+/-0.093 χ^2/NDF:4218683.3/22

Out: 441.891+/-0.091 χ^2/NDF:5065773.7/27

All: 440.242+/-0.065 χ^2/NDF: 9285138.3/50



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.1/8

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:5.8/6

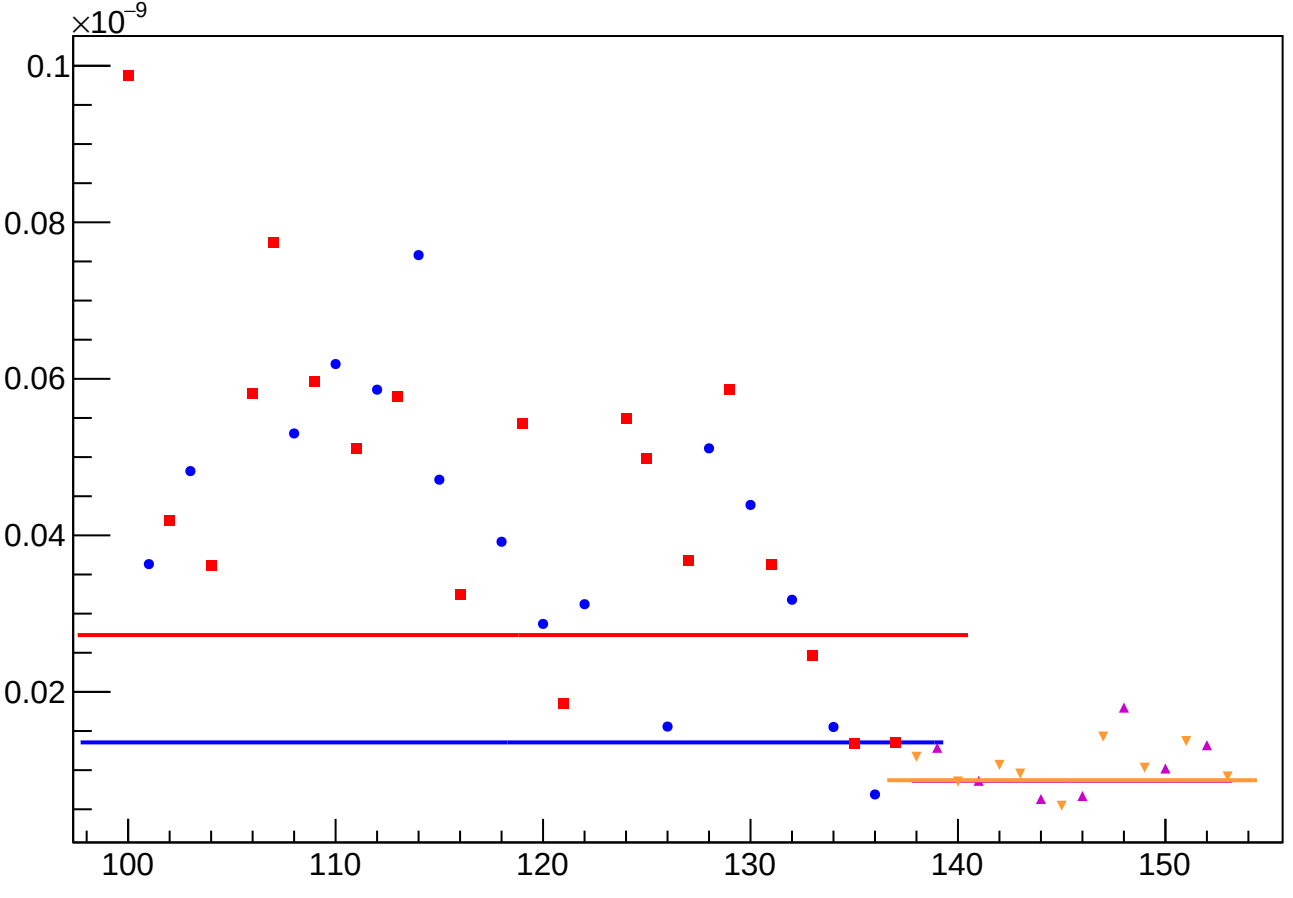
Left: -0.000+/-0.000 χ^2/NDF: 12.3/15

Right: -0.000+/-0.000 χ^2/NDF: 34.8/34

In: -0.000+/-0.000 χ^2/NDF:23.6/22

Out: -0.000+/-0.000 χ^2/NDF:23.5/27

All: -0.000+/-0.000 χ^2/NDF: 47.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:583397.6/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

Left In: 0.000+/-0.000 χ^2/NDF:605901.7/6

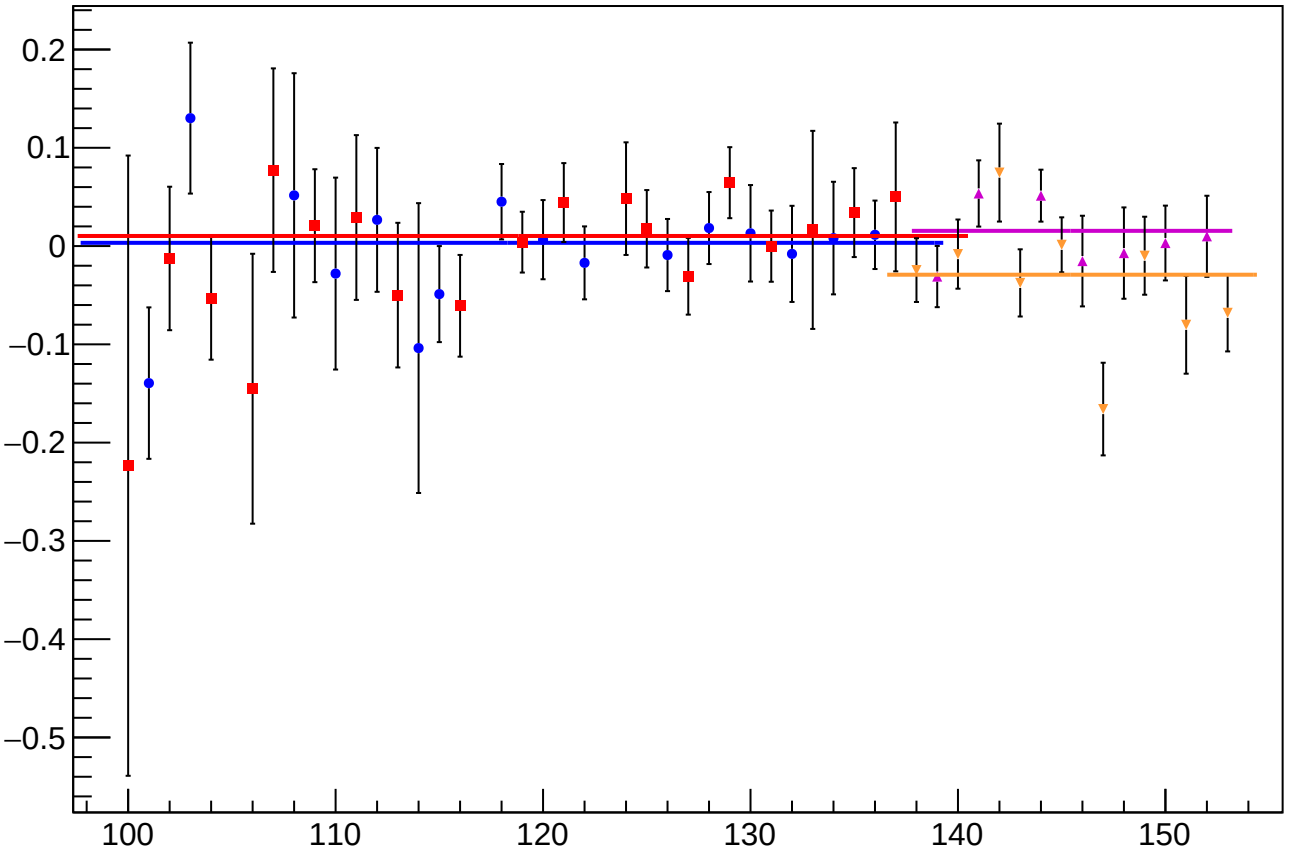
Left: 0.000+/-0.000 χ^2/NDF: 1189478.5/15

Right: 0.000+/-0.000 χ^2/NDF: 5700569.4/34

In: 0.000+/-0.000 χ^2/NDF:3993092.6/22

Out: 0.000+/-0.000 χ^2/NDF:4424216.0/27

All: 0.000+/-0.000 χ^2/NDF: 8427968.9/50



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.029+/-0.012 χ^2/NDF:16.6/8

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: 0.015+/-0.013 χ^2/NDF:6.1/6

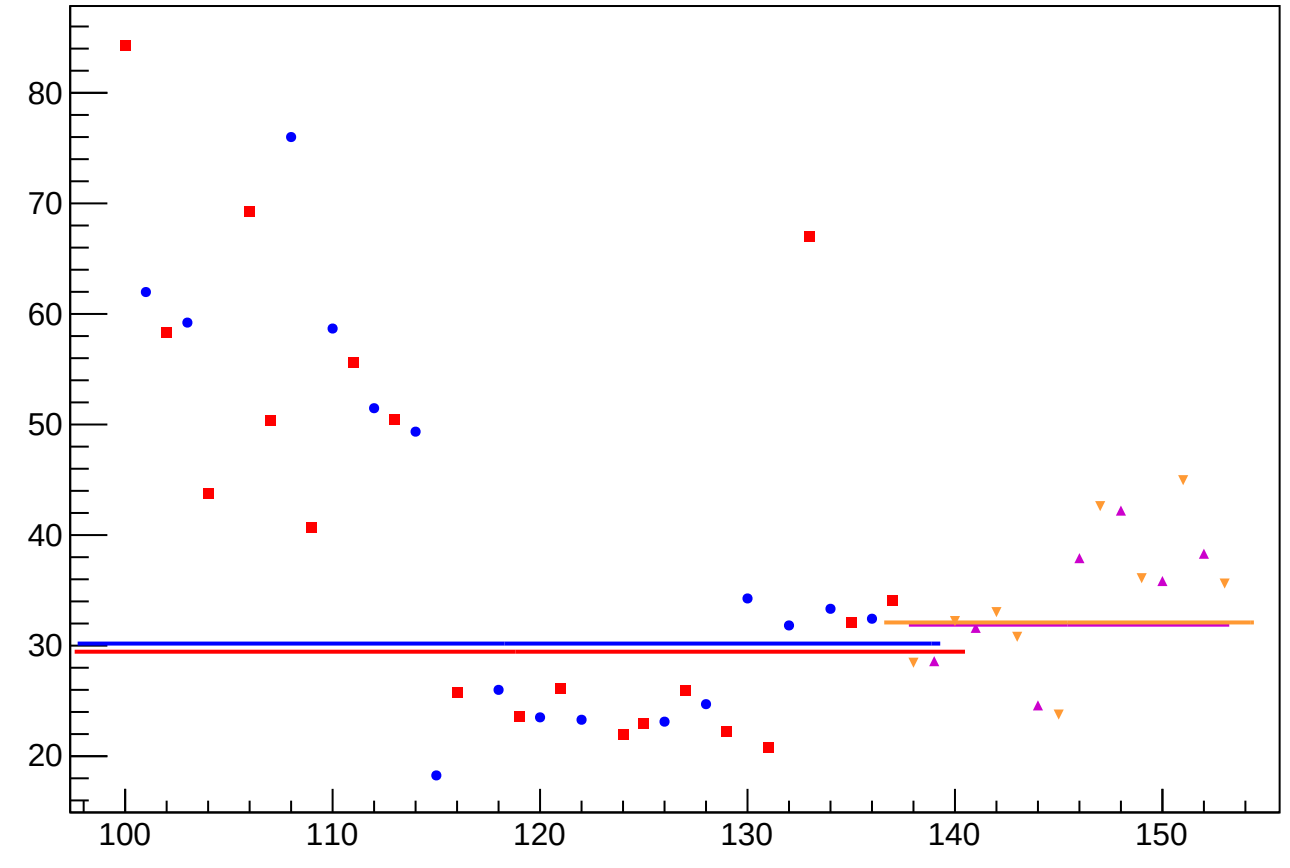
Left: -0.008+/-0.009 χ^2/NDF: 28.7/15

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.009+/-0.009 χ^2/NDF:16.7/22

Out: -0.008+/-0.009 χ^2/NDF:33.1/27

All: -0.000+/-0.006 χ^2/NDF: 51.8/50



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 32.096+/-0.009 χ^2/NDF:476274.2/8

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 31.895+/-0.009 χ^2/NDF:377677.9/6

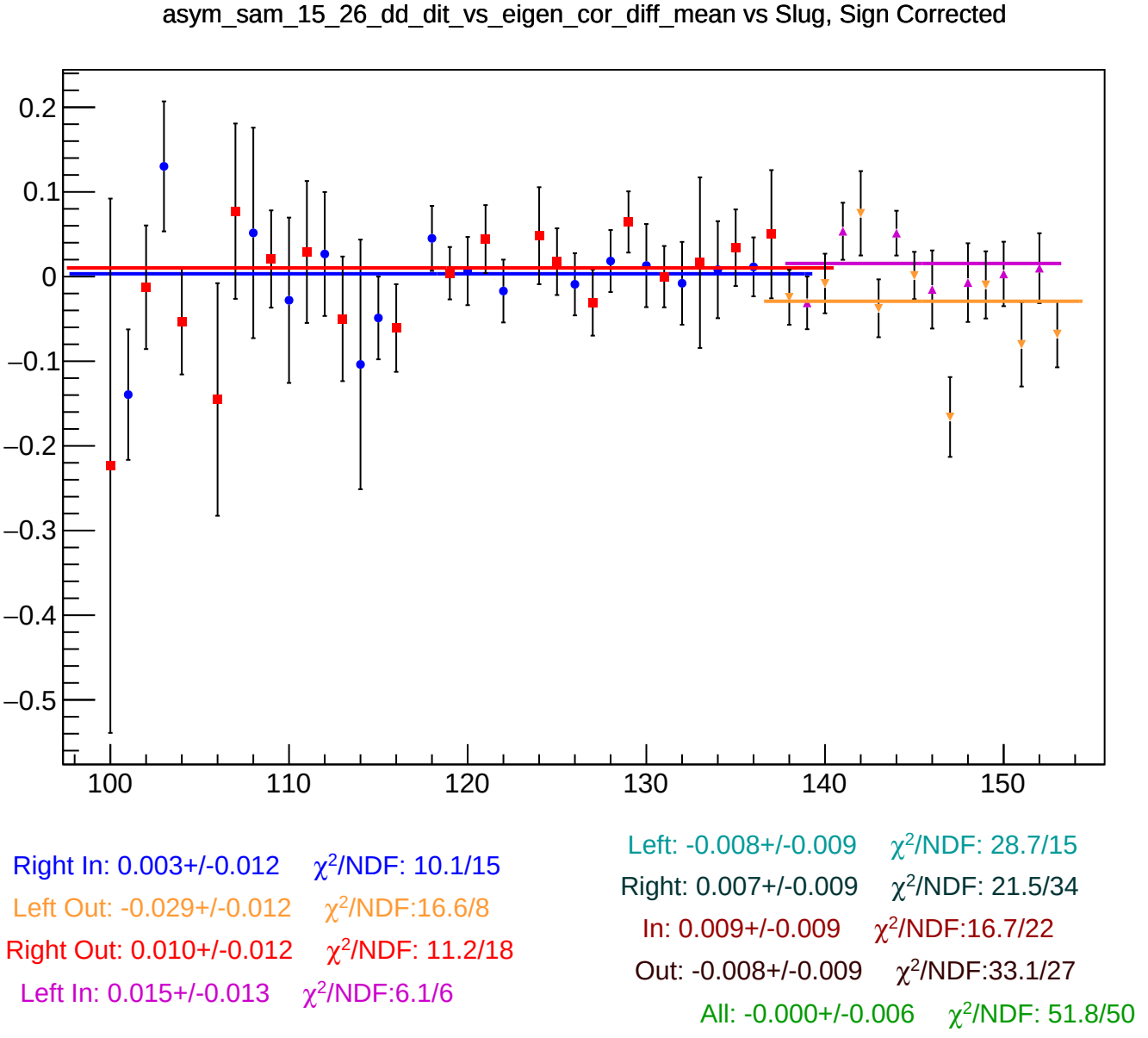
Left: 32.003+/-0.006 χ^2/NDF: 854192.6/15

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

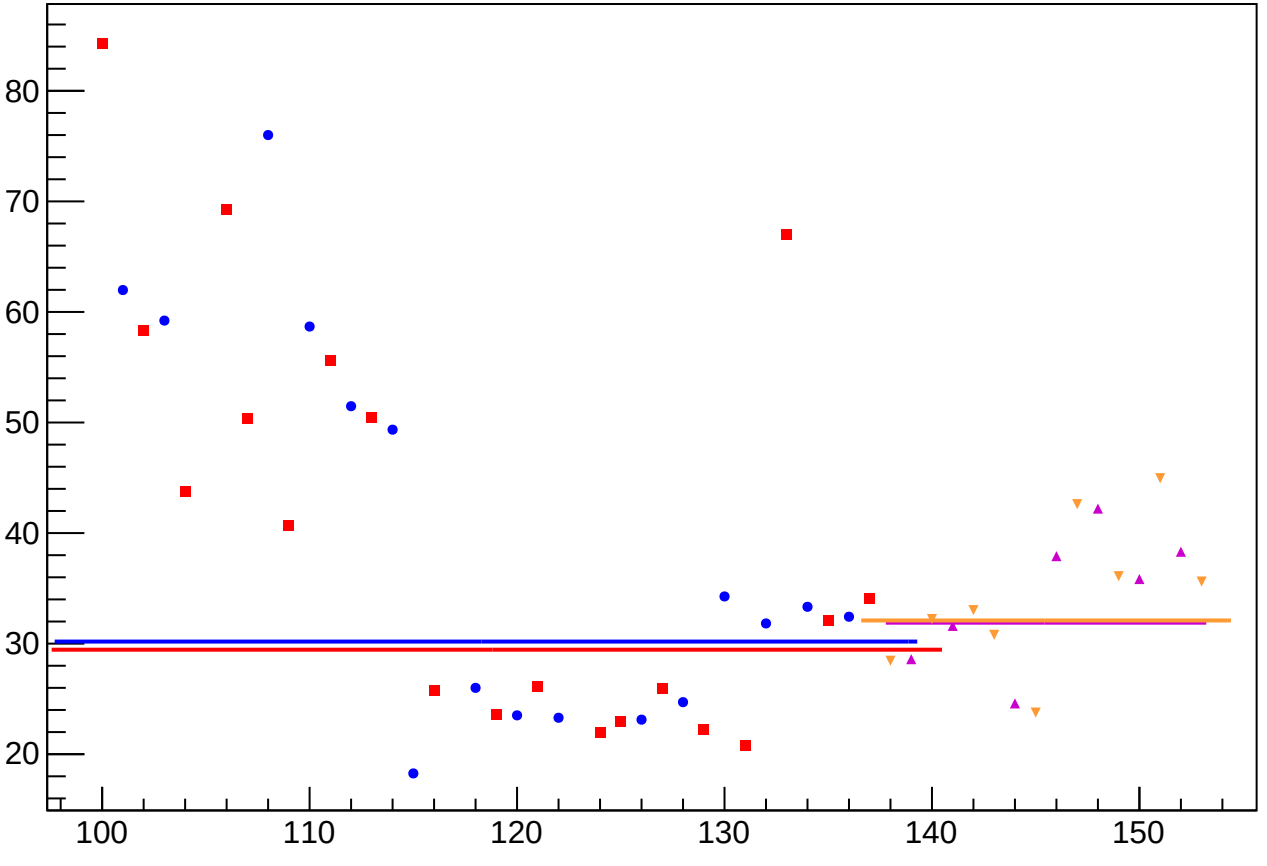
In: 30.965+/-0.006 χ^2/NDF:2082692.0/22

Out: 30.703+/-0.006 χ^2/NDF:2372321.3/27

All: 30.827+/-0.004 χ^2/NDF: 4455899.6/50


asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.029+/-0.012 χ²/NDF:16.6/8
Right Out: 0.010+/-0.012 χ²/NDF: 11.2/18
Left In: 0.015+/-0.013 χ²/NDF:6.1/6
Left: -0.008+/-0.009 χ²/NDF: 28.7/15
Right: 0.007+/-0.009 χ²/NDF: 21.5/34
In: 0.009+/-0.009 χ²/NDF:16.7/22
Out: -0.008+/-0.009 χ²/NDF:33.1/27
All: -0.000+/-0.006 χ²/NDF: 51.8/50

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 32.096+/-0.009 χ^2/NDF:476274.2/8

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 31.895+/-0.009 χ^2/NDF:377677.9/6

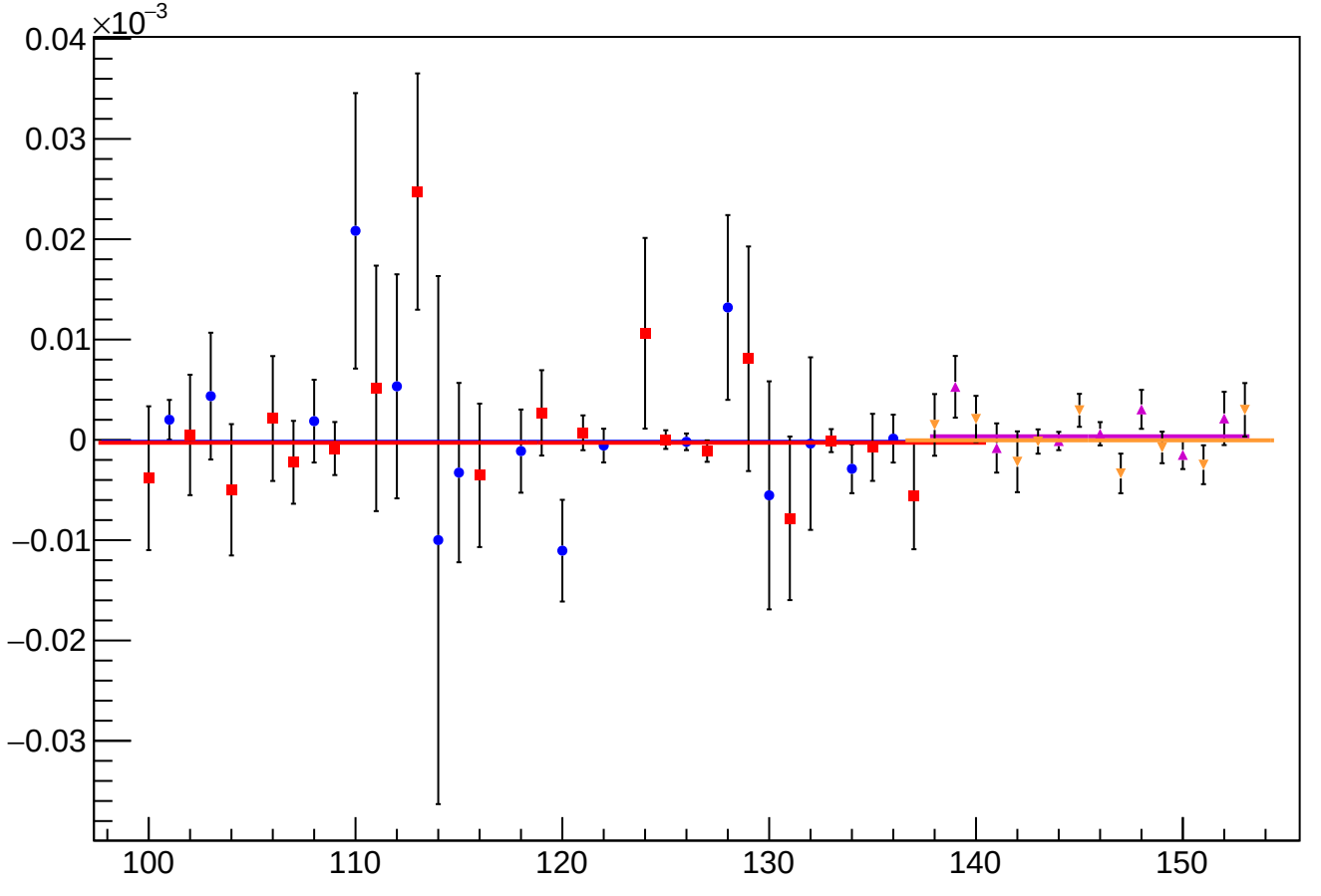
Left: 32.003+/-0.006 χ^2/NDF: 854192.6/15

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 30.965+/-0.006 χ^2/NDF:2082692.0/22

Out: 30.703+/-0.006 χ^2/NDF:2372321.3/27

All: 30.827+/-0.004 χ^2/NDF: 4455899.6/50



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.8/8

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:7.2/6

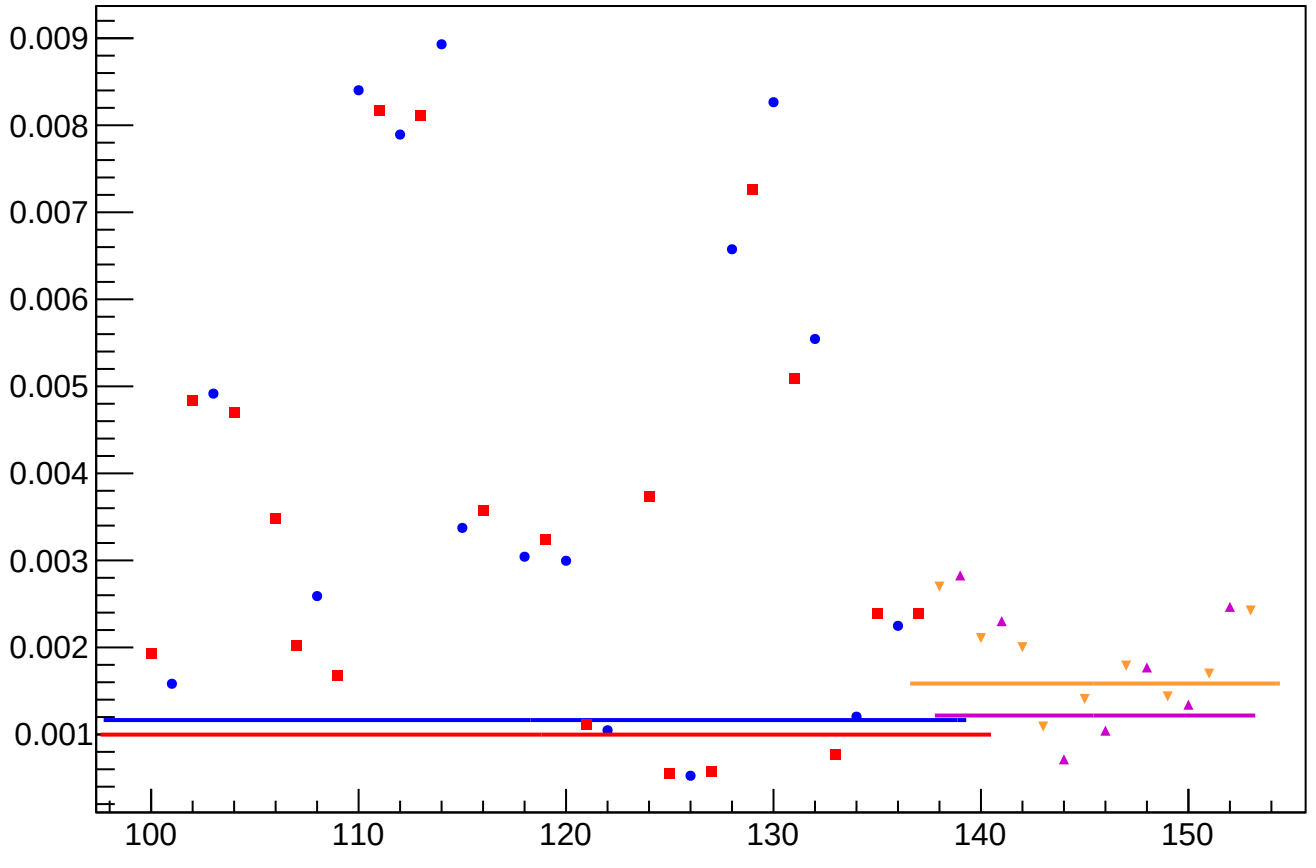
Left: 0.000+/-0.000 χ^2/NDF: 18.2/15

Right: -0.000+/-0.000 χ^2/NDF: 24.6/34

In: 0.000+/-0.000 χ^2/NDF:20.7/22

Out: -0.000+/-0.000 χ^2/NDF:22.3/27

All: -0.000+/-0.000 χ^2/NDF: 43.3/50



Right In: 0.001+/-0.000 χ^2/NDF: 6881775.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1003016.2/8

Right Out: 0.001+/-0.000 χ^2/NDF: 6937197.5/18

Left In: 0.001+/-0.000 χ^2/NDF:2214150.6/6

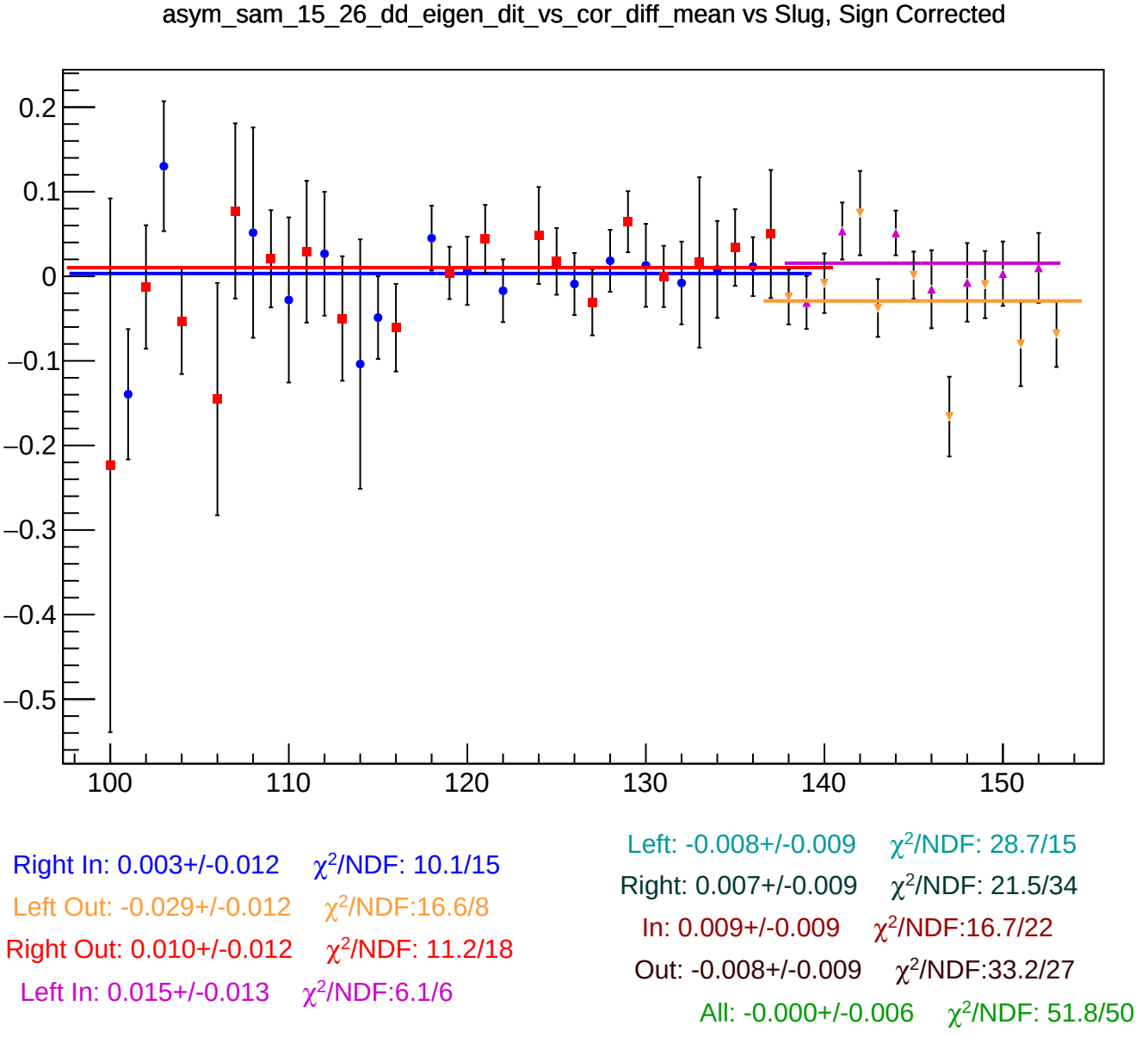
Left: 0.001+/-0.000 χ^2/NDF: 3593810.6/15

Right: 0.001+/-0.000 χ^2/NDF: 13904727.1/34

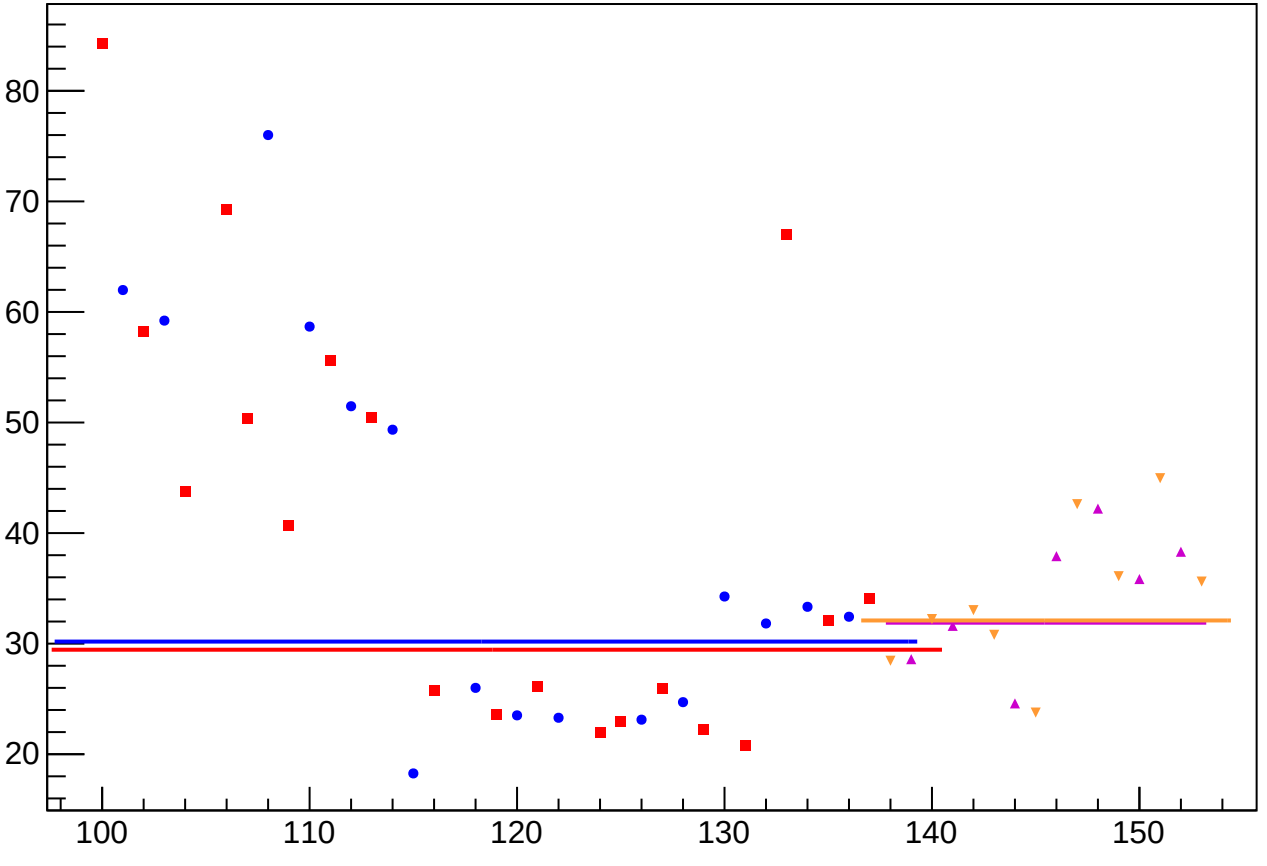
In: 0.001+/-0.000 χ^2/NDF:9103786.1/22

Out: 0.001+/-0.000 χ^2/NDF:8968977.4/27

All: 0.001+/-0.000 χ^2/NDF: 18084247.6/50


asym_sam_15_26_dd_eigen_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
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.029+/-0.012 χ²/NDF:16.6/8
Right Out: 0.010+/-0.012 χ²/NDF: 11.2/18
Left In: 0.015+/-0.013 χ²/NDF:6.1/6
Left: -0.008+/-0.009 χ²/NDF: 28.7/15
Right: 0.007+/-0.009 χ²/NDF: 21.5/34
In: 0.009+/-0.009 χ²/NDF:16.7/22
Out: -0.008+/-0.009 χ²/NDF:33.2/27
All: -0.000+/-0.006 χ²/NDF: 51.8/50

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: 32.096+/-0.009 χ^2/NDF:476244.8/8

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 31.896+/-0.009 χ^2/NDF:377670.5/6

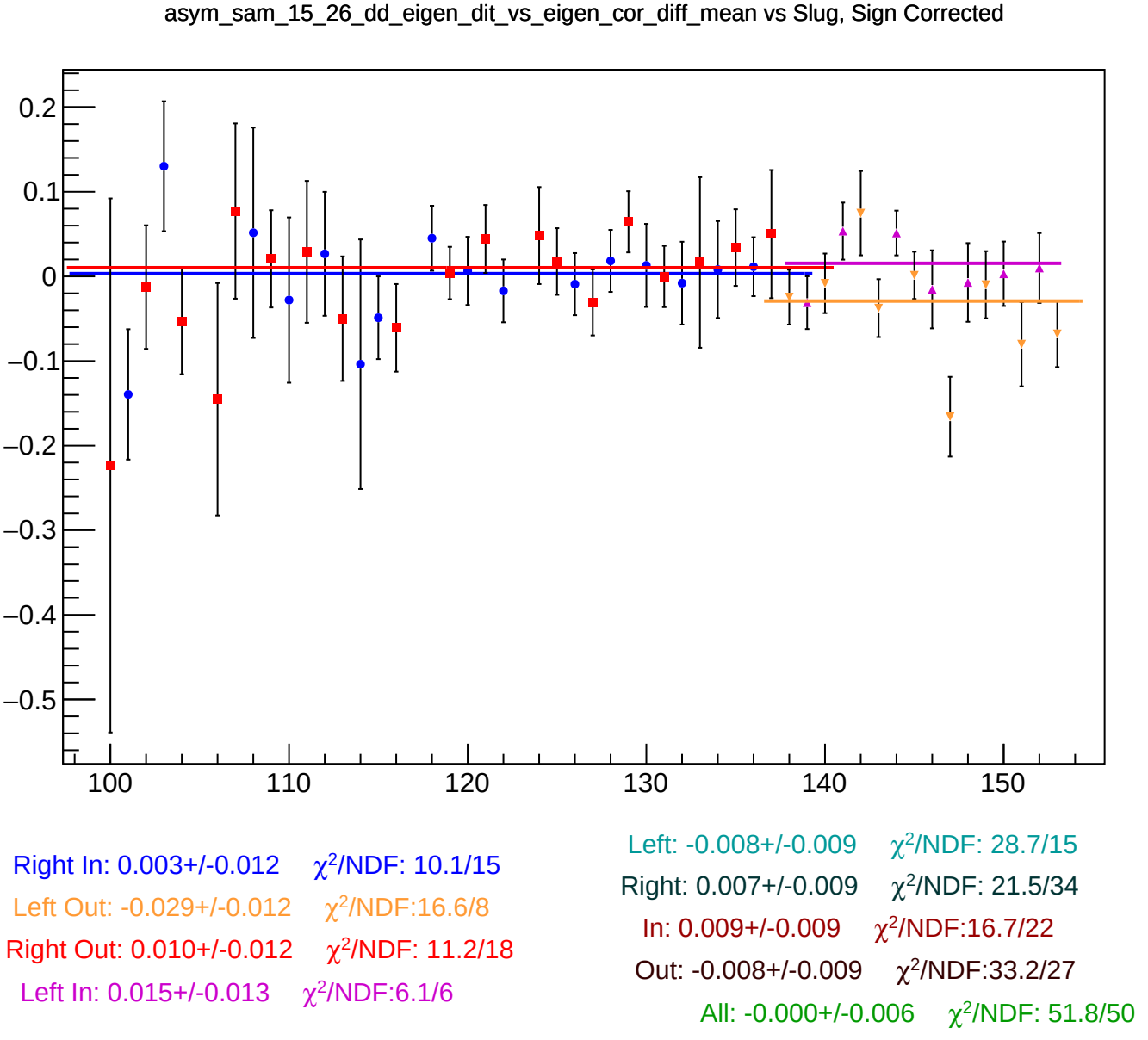
Left: 32.003+/-0.006 χ^2/NDF: 854155.8/15

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

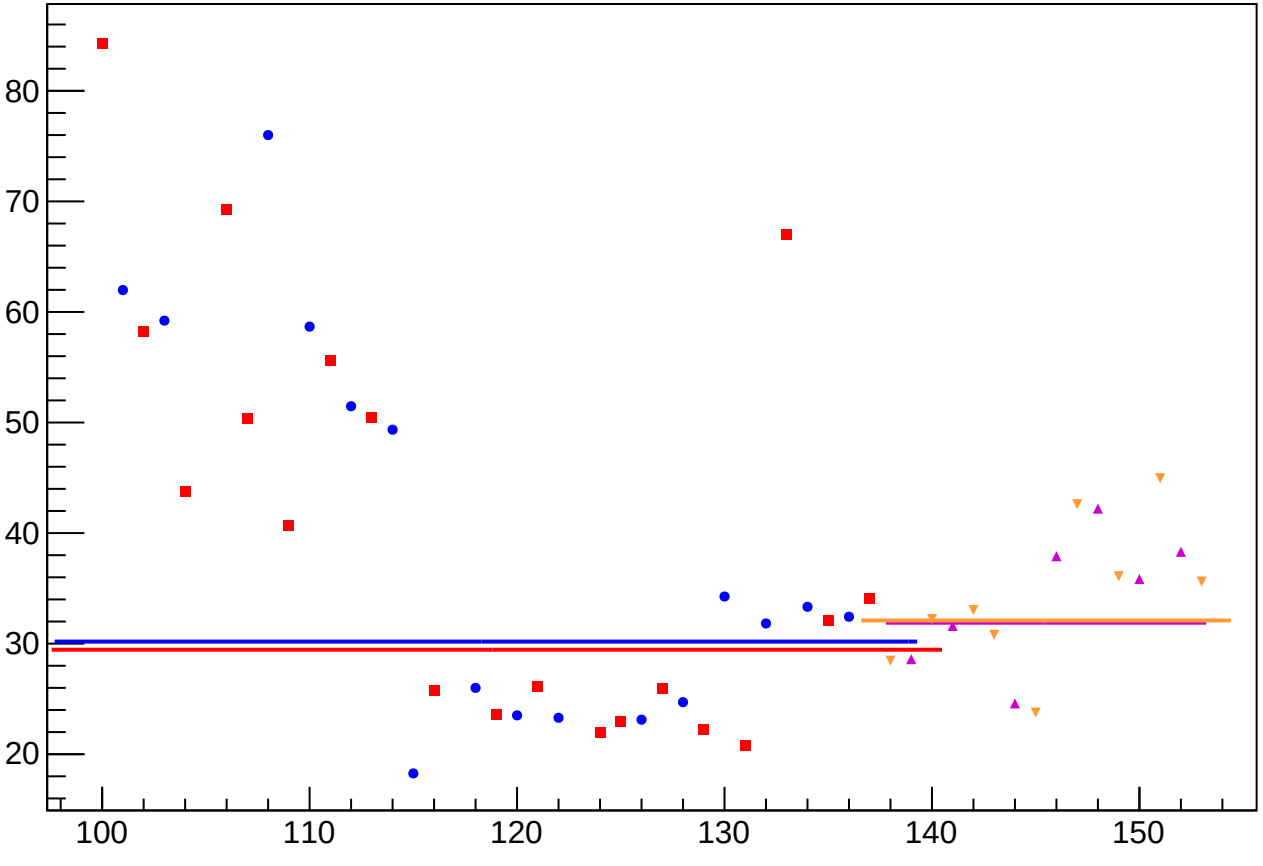
In: 30.966+/-0.006 χ^2/NDF:2082507.2/22

Out: 30.703+/-0.006 χ^2/NDF:2372324.7/27

All: 30.827+/-0.004 χ^2/NDF: 4455720.4/50


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.029+/-0.012 χ²/NDF:16.6/8
Right Out: 0.010+/-0.012 χ²/NDF: 11.2/18
Left In: 0.015+/-0.013 χ²/NDF:6.1/6
Left: -0.008+/-0.009 χ²/NDF: 28.7/15
Right: 0.007+/-0.009 χ²/NDF: 21.5/34
In: 0.009+/-0.009 χ²/NDF:16.7/22
Out: -0.008+/-0.009 χ²/NDF:33.2/27
All: -0.000+/-0.006 χ²/NDF: 51.8/50

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: 32.096+/-0.009 χ^2/NDF:476244.8/8

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 31.896+/-0.009 χ^2/NDF:377670.5/6

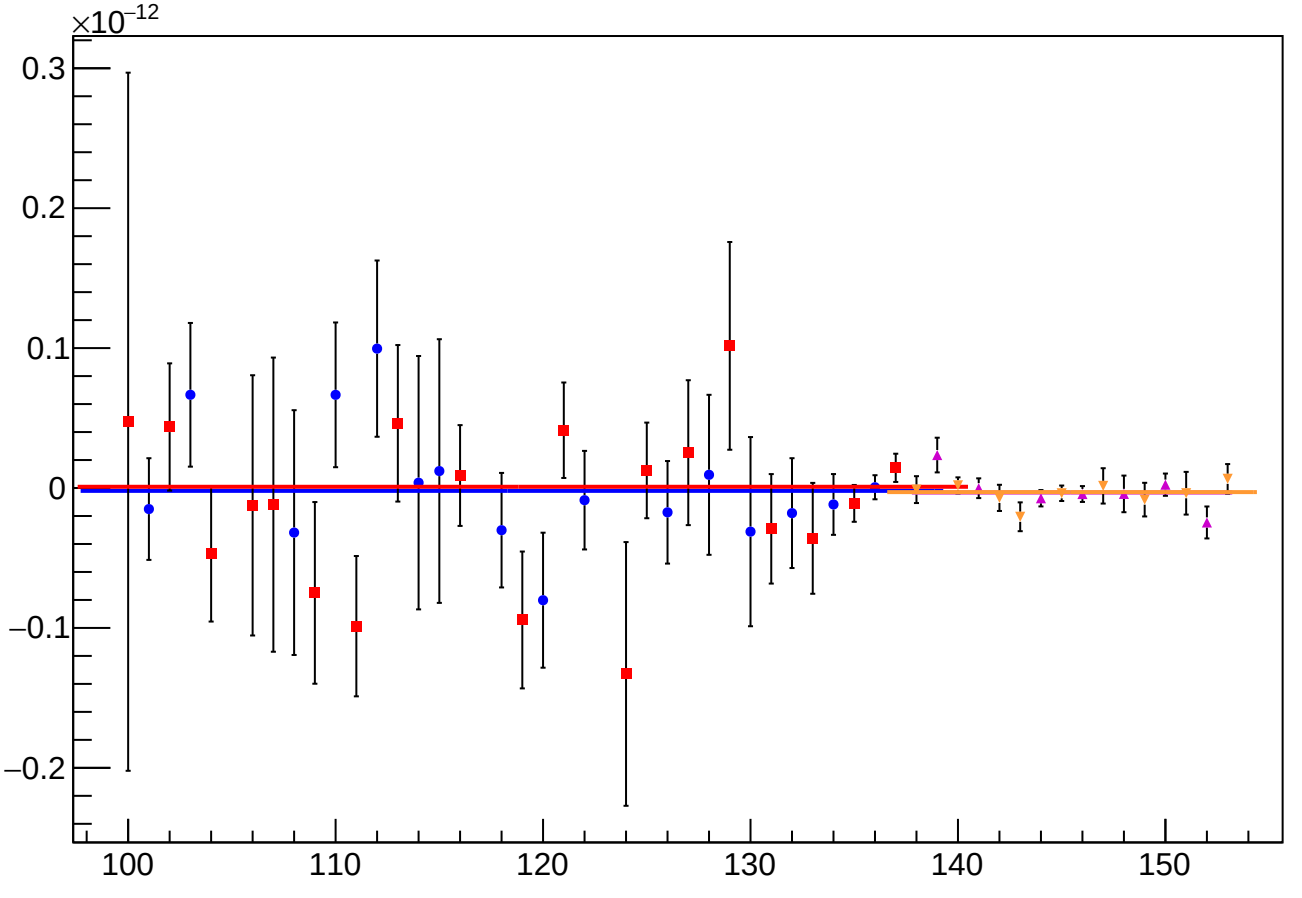
Left: 32.003+/-0.006 χ^2/NDF: 854155.8/15

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 30.966+/-0.006 χ^2/NDF:2082507.2/22

Out: 30.703+/-0.006 χ^2/NDF:2372324.7/27

All: 30.827+/-0.004 χ^2/NDF: 4455720.4/50



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.0/8

Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:9.4/6

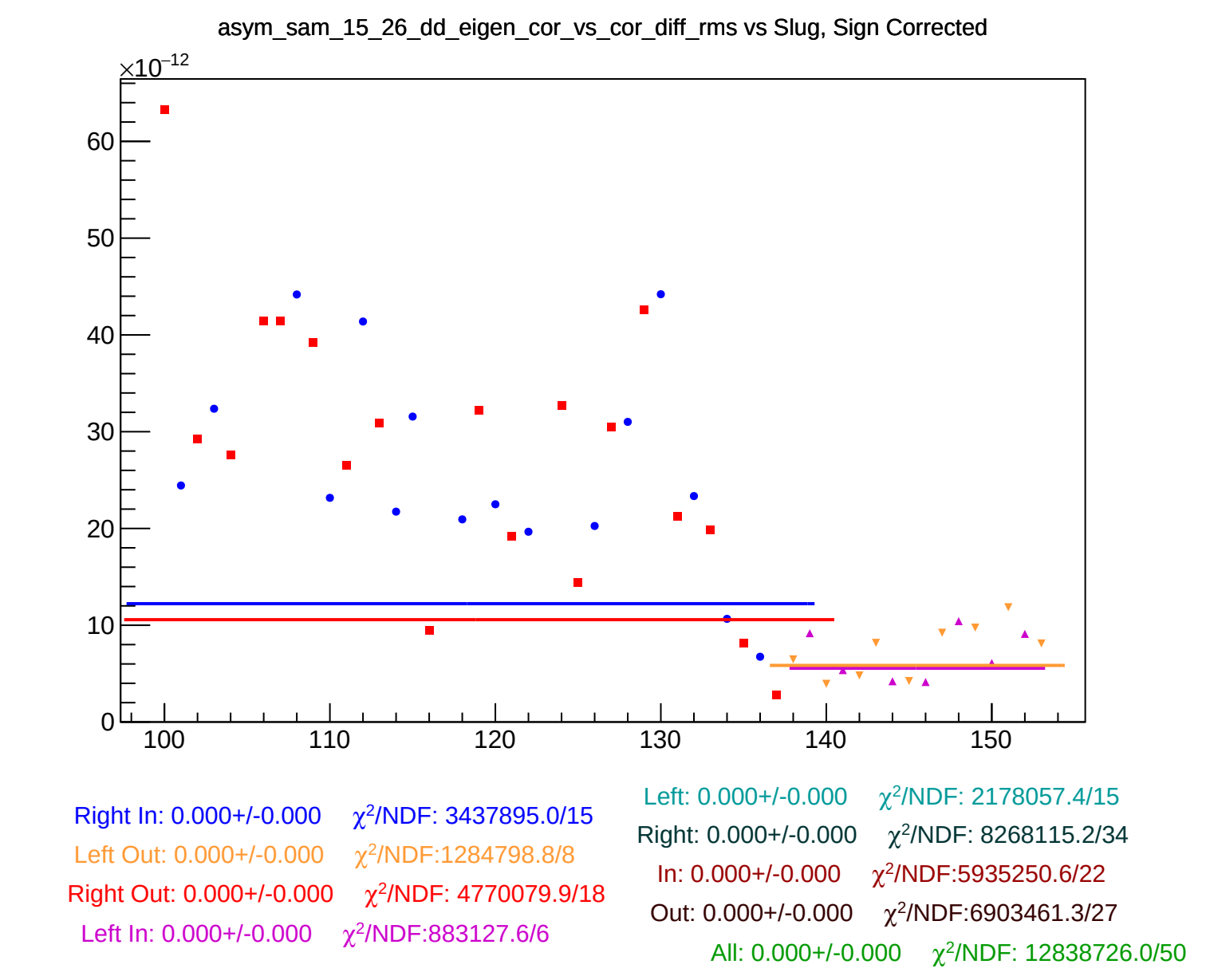
Left: -0.000+/-0.000 χ^2/NDF: 14.4/15

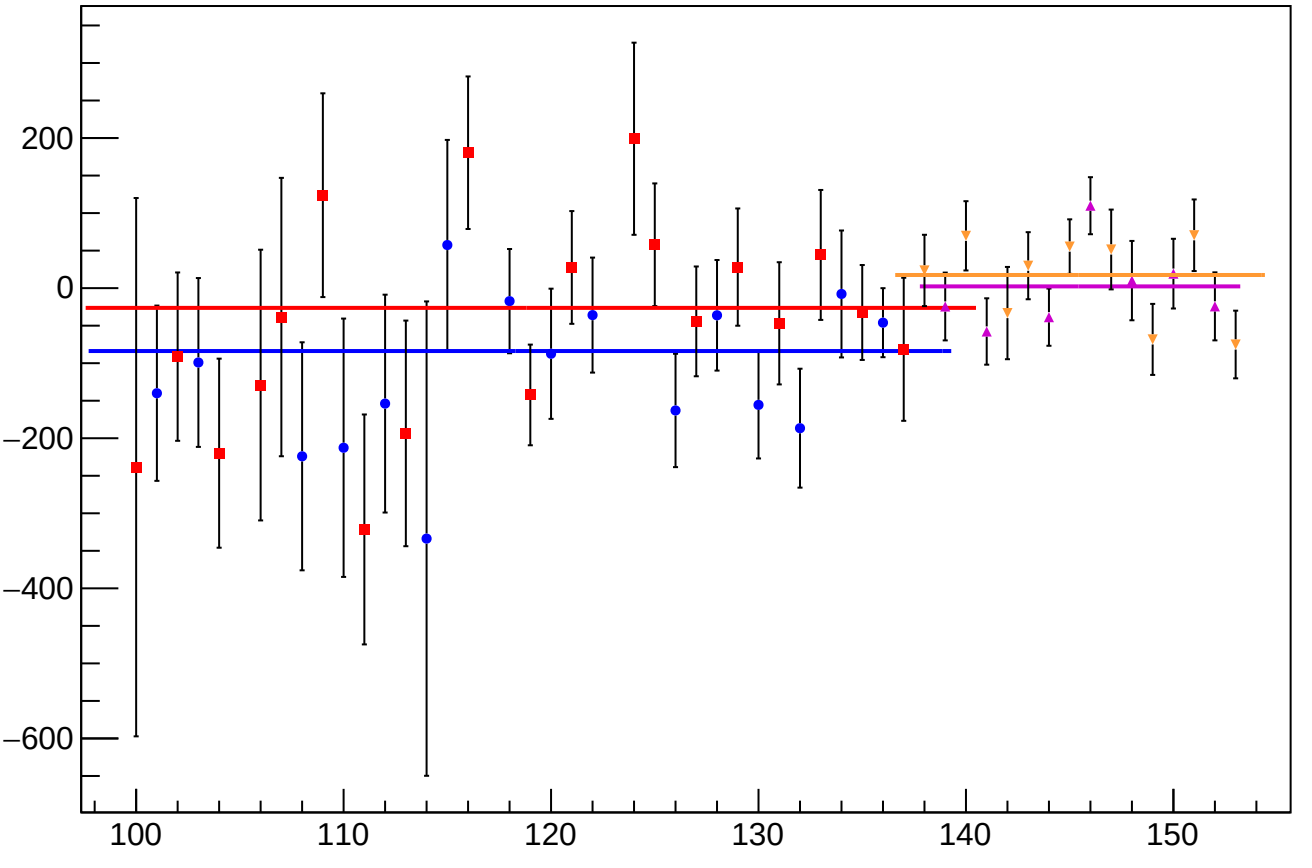
Right: -0.000+/-0.000 χ^2/NDF: 31.9/34

In: -0.000+/-0.000 χ^2/NDF:19.8/22

Out: -0.000+/-0.000 χ^2/NDF:26.7/27

All: -0.000+/-0.000 χ^2/NDF: 46.6/50


asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3437895.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1284798.8/8
Right Out: 0.000+/-0.000 χ²/NDF: 4770079.9/18
Left In: 0.000+/-0.000 χ²/NDF:883127.6/6
Left: 0.000+/-0.000 χ²/NDF: 2178057.4/15
Right: 0.000+/-0.000 χ²/NDF: 8268115.2/34
In: 0.000+/-0.000 χ²/NDF:5935250.6/22
Out: 0.000+/-0.000 χ²/NDF:6903461.3/27
All: 0.000+/-0.000 χ²/NDF: 12838726.0/50



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 17.525+/-15.490 χ^2/NDF:12.3/8

Right Out: -26.301+/-22.067 χ^2/NDF: 23.0/18

Left In: 2.334+/-16.460 χ^2/NDF:11.9/6

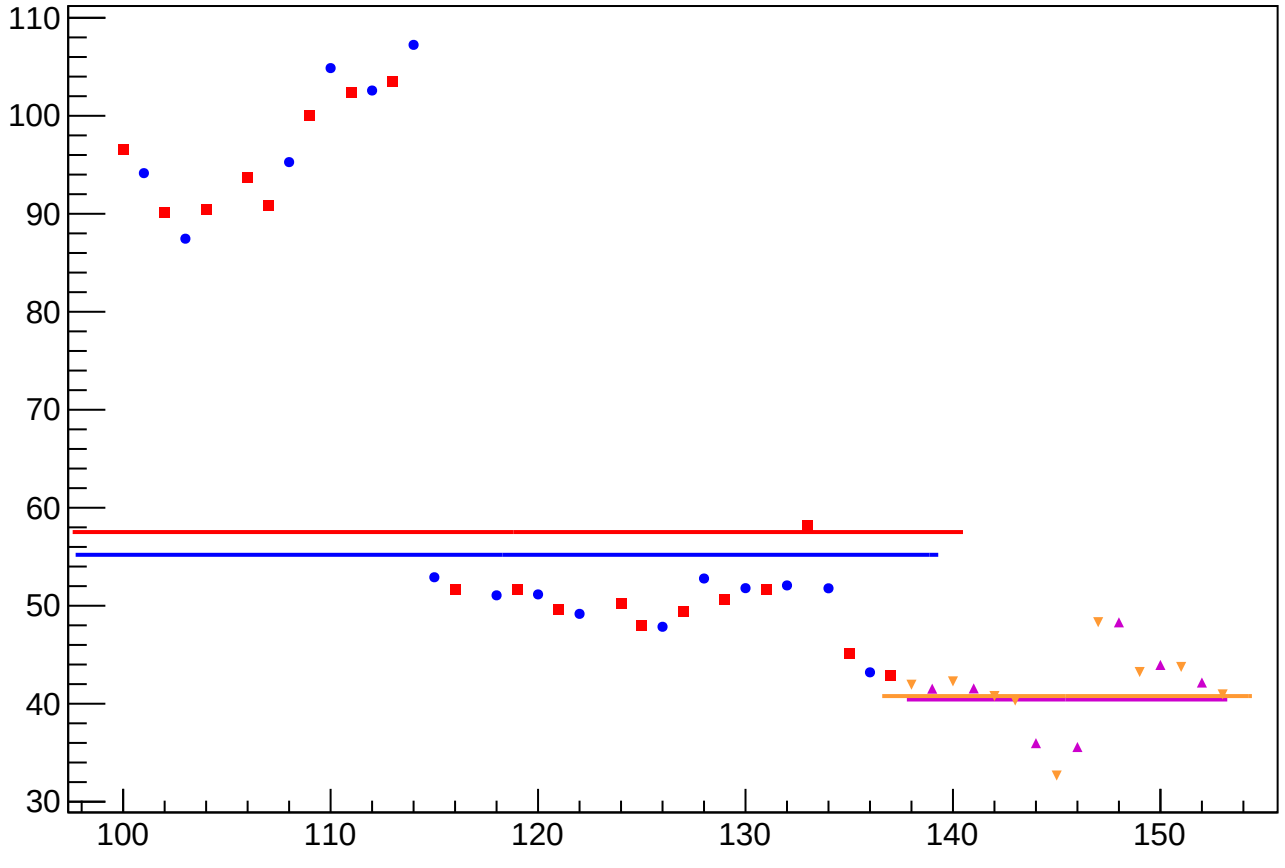
Left: 10.390+/-11.280 χ^2/NDF: 24.6/15

Right: -55.890+/-15.375 χ^2/NDF: 37.0/34

In: -29.621+/-13.055 χ^2/NDF:32.6/22

Out: 3.058+/-12.678 χ^2/NDF:37.9/27

All: -12.803+/-9.095 χ^2/NDF: 73.7/50



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 40.780+/-0.011 χ^2/NDF:156586.9/8

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

Left In: 40.430+/-0.012 χ^2/NDF:121238.9/6

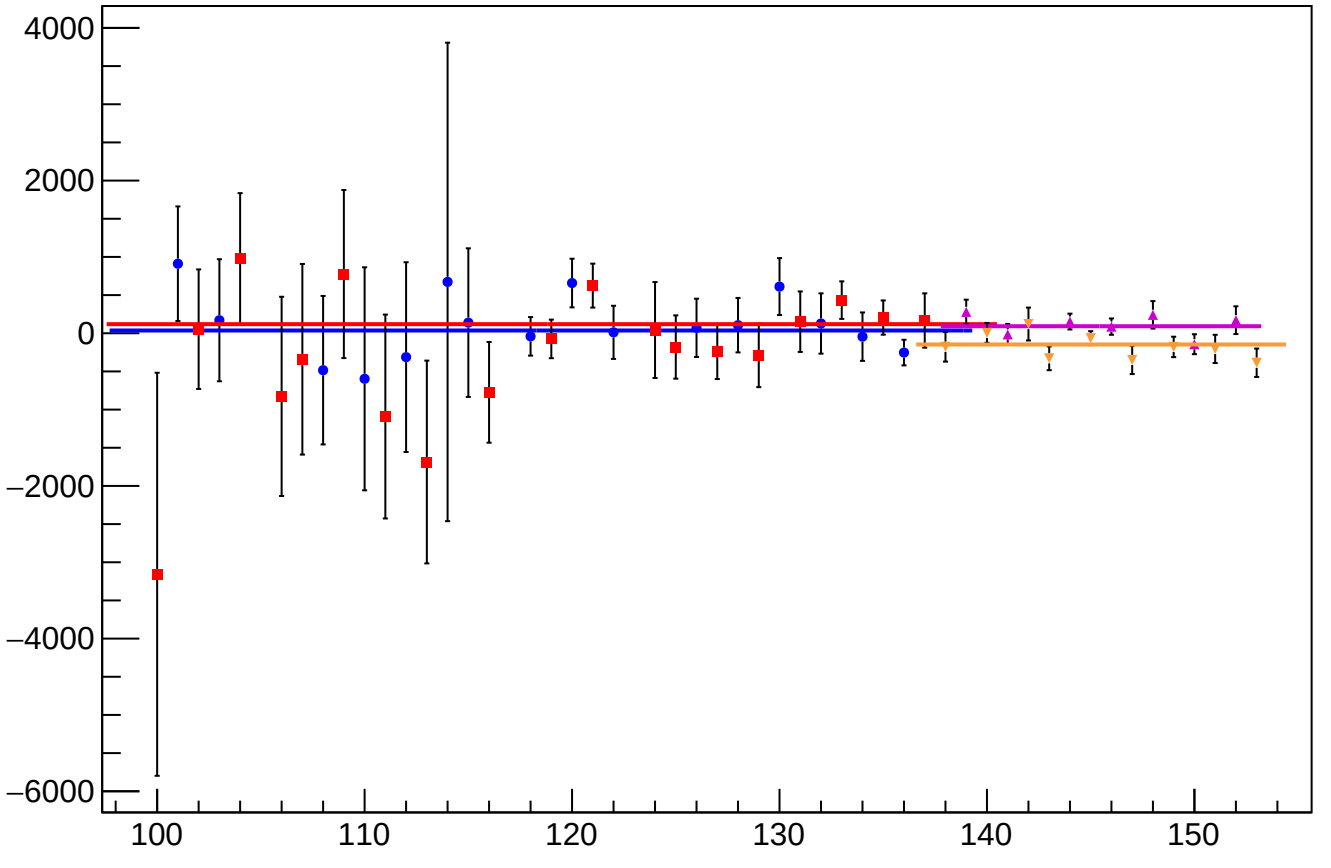
Left: 40.616+/-0.008 χ^2/NDF: 278304.7/15

Right: 56.325+/-0.011 χ^2/NDF: 2445763.7/34

In: 45.908+/-0.009 χ^2/NDF:1870982.8/22

Out: 46.305+/-0.009 χ^2/NDF:2209336.7/27

All: 46.113+/-0.006 χ^2/NDF: 4081271.7/50



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -146.938+/-49.341 χ^2/NDF:8.1/8

Right Out: 119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: 92.257+/-50.389 χ^2/NDF:6.5/6

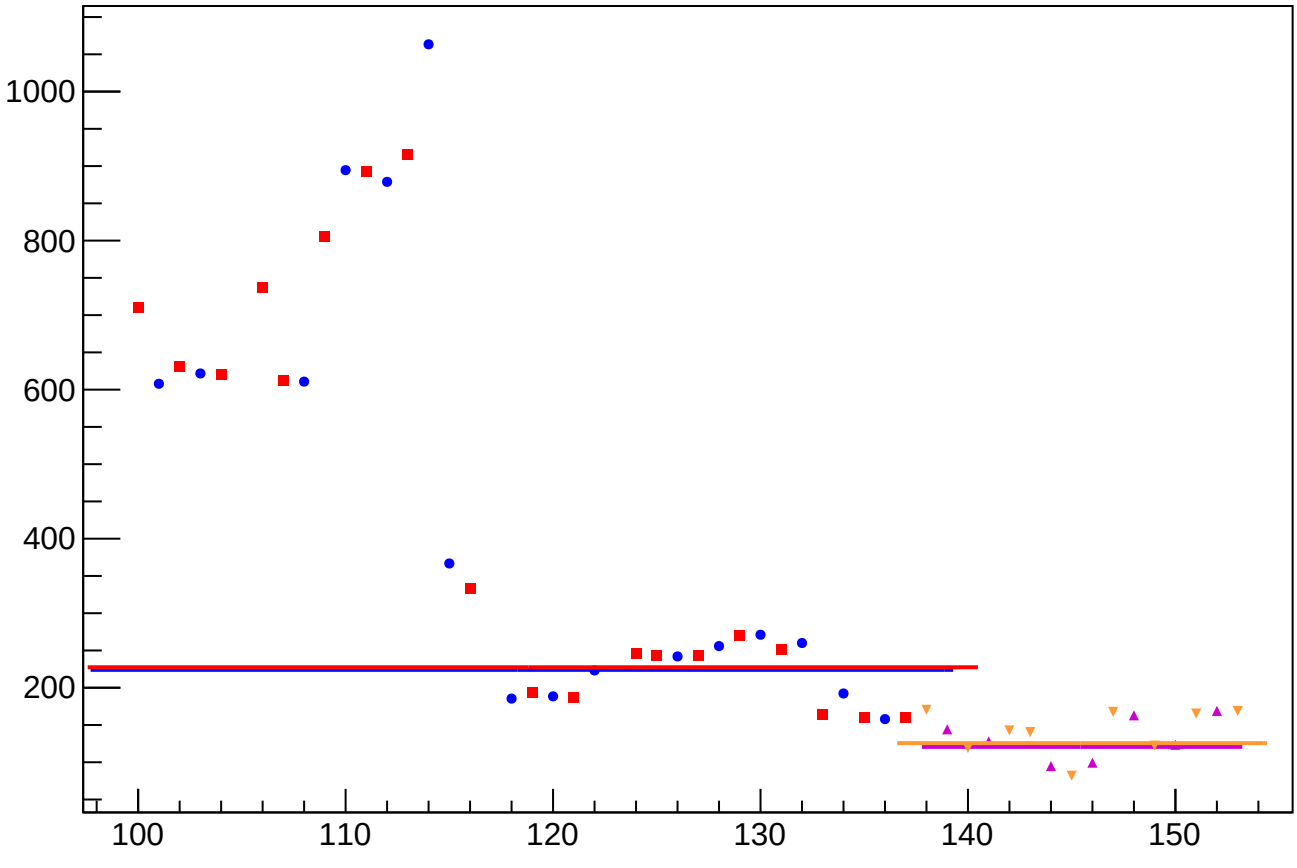
Left: -29.853+/-35.254 χ^2/NDF: 26.1/15

Right: 76.754+/-66.947 χ^2/NDF: 27.8/34

In: 79.682+/-44.364 χ^2/NDF:18.2/22

Out: -91.179+/-43.868 χ^2/NDF:30.2/27

All: -6.708+/-31.193 χ^2/NDF: 55.9/50



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 125.661+/-0.035 χ^2/NDF:901752.3/8

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

Left In: 120.617+/-0.036 χ^2/NDF:504916.8/6

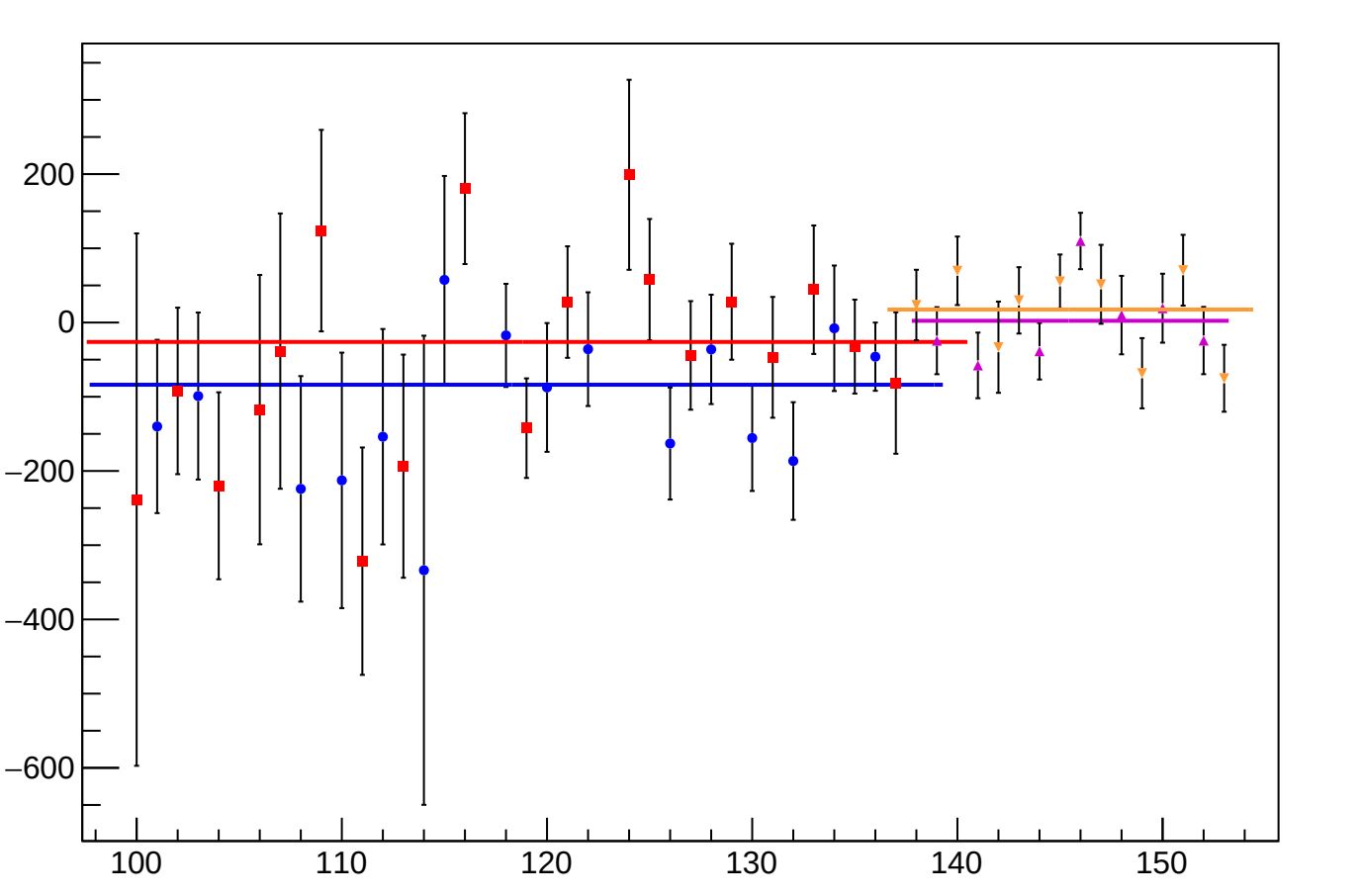
Left: 123.192+/-0.025 χ^2/NDF: 1416901.5/15

Right: 225.705+/-0.047 χ^2/NDF: 6609984.7/34

In: 143.870+/-0.031 χ^2/NDF:5367370.5/22

Out: 146.990+/-0.031 χ^2/NDF:6325936.8/27

All: 145.447+/-0.022 χ^2/NDF: 11698309.6/50



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 17.524+/-15.490 χ^2/NDF:12.3/8

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: 2.335+/-16.460 χ^2/NDF:11.9/6

Left: 10.390+/-11.280 χ^2/NDF: 24.6/15

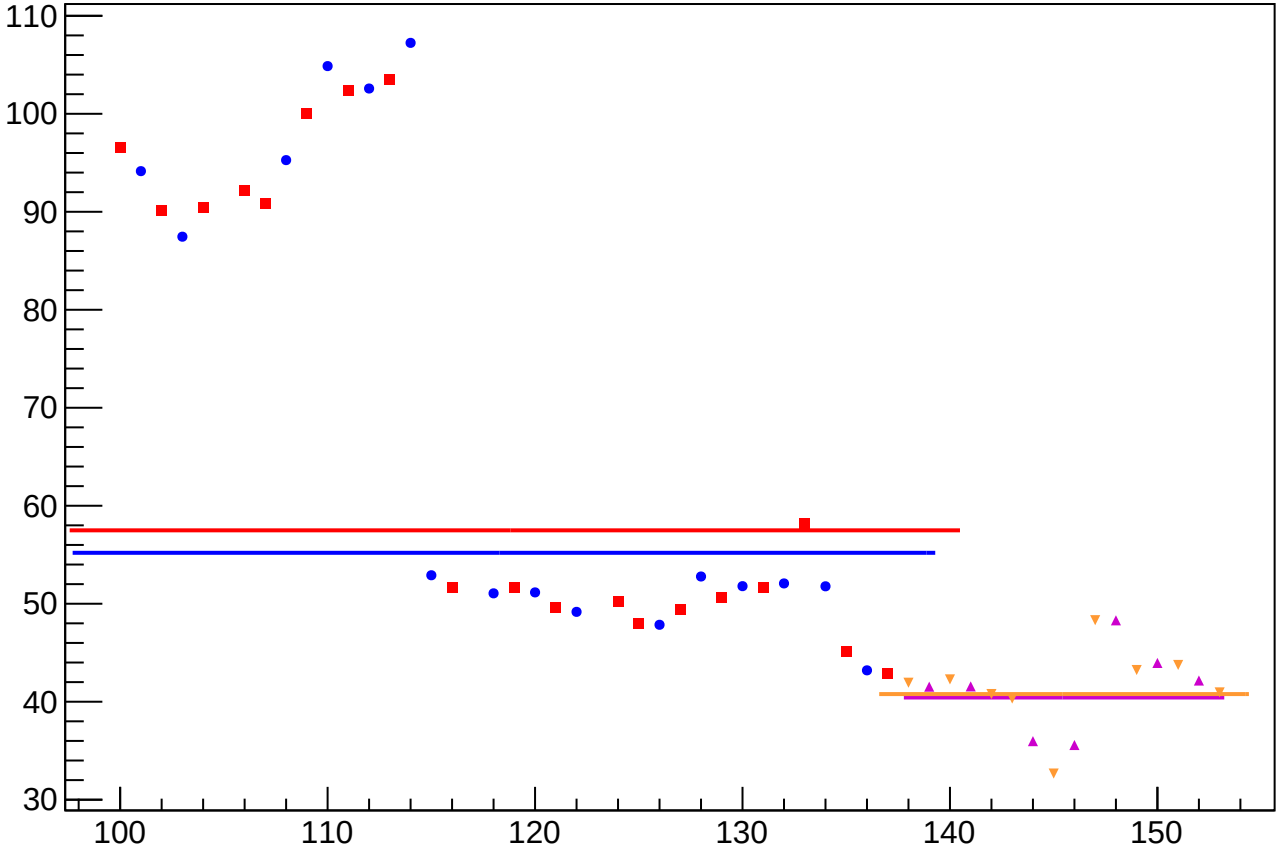
Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -29.620+/-13.055 χ^2/NDF:32.6/22

Out: 3.112+/-12.679 χ^2/NDF:37.8/27

All: -12.775+/-9.095 χ^2/NDF: 73.6/50

cor_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 40.780+/-0.011 χ^2/NDF:156586.9/8

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 40.430+/-0.012 χ^2/NDF:121238.9/6

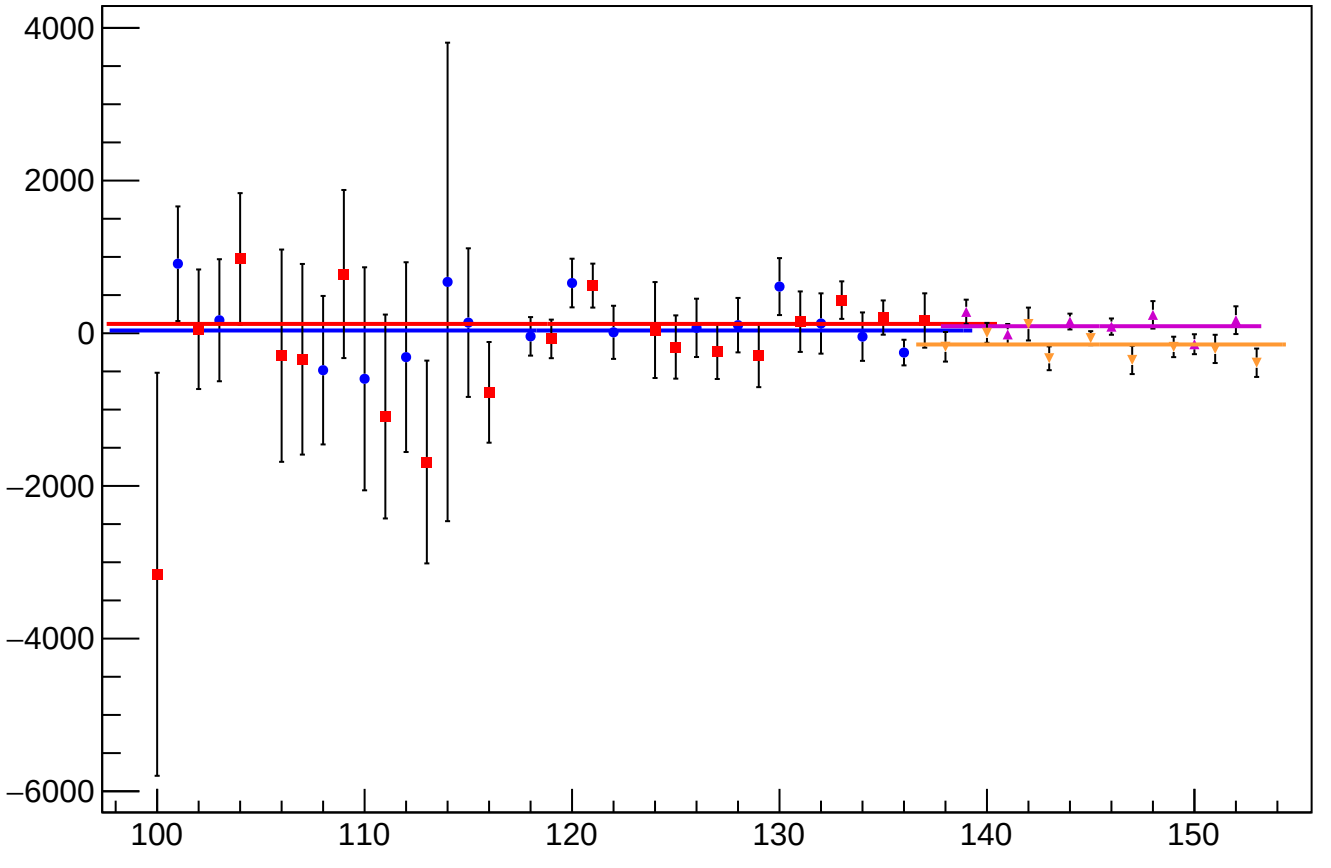
Left: 40.616+/-0.008 χ^2/NDF: 278304.7/15

Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 45.908+/-0.009 χ^2/NDF:1870983.1/22

Out: 46.295+/-0.009 χ^2/NDF:2199175.0/27

All: 46.107+/-0.006 χ^2/NDF: 4071061.7/50



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -146.940+/-49.341 χ^2/NDF:8.1/8

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 92.257+/-50.389 χ^2/NDF:6.5/6

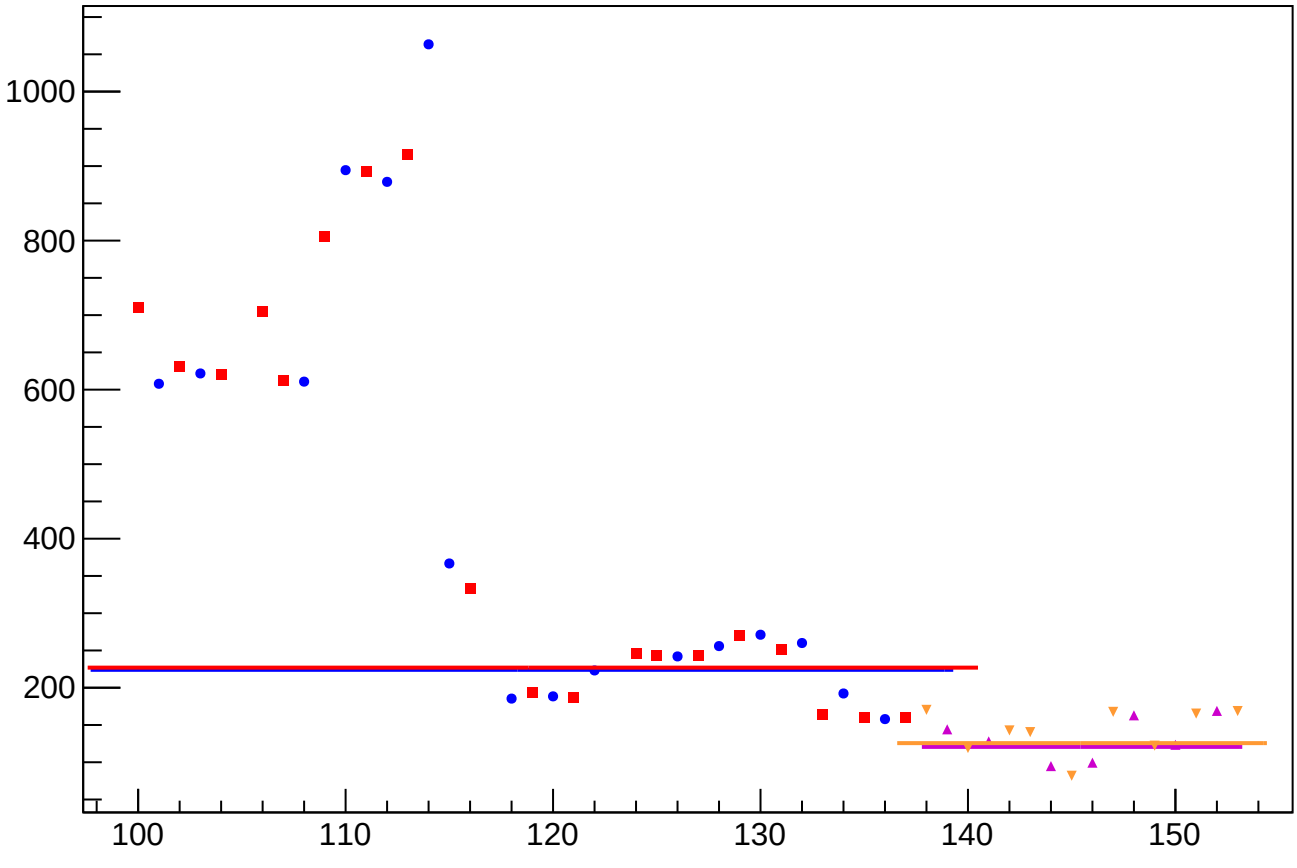
Left: -29.853+/-35.254 χ^2/NDF: 26.1/15

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 79.682+/-44.364 χ^2/NDF:18.2/22

Out: -90.555+/-43.871 χ^2/NDF:29.9/27

All: -6.387+/-31.194 χ^2/NDF: 55.6/50



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 125.661+/-0.035 χ^2/NDF:901757.3/8

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 120.616+/-0.036 χ^2/NDF:504916.8/6

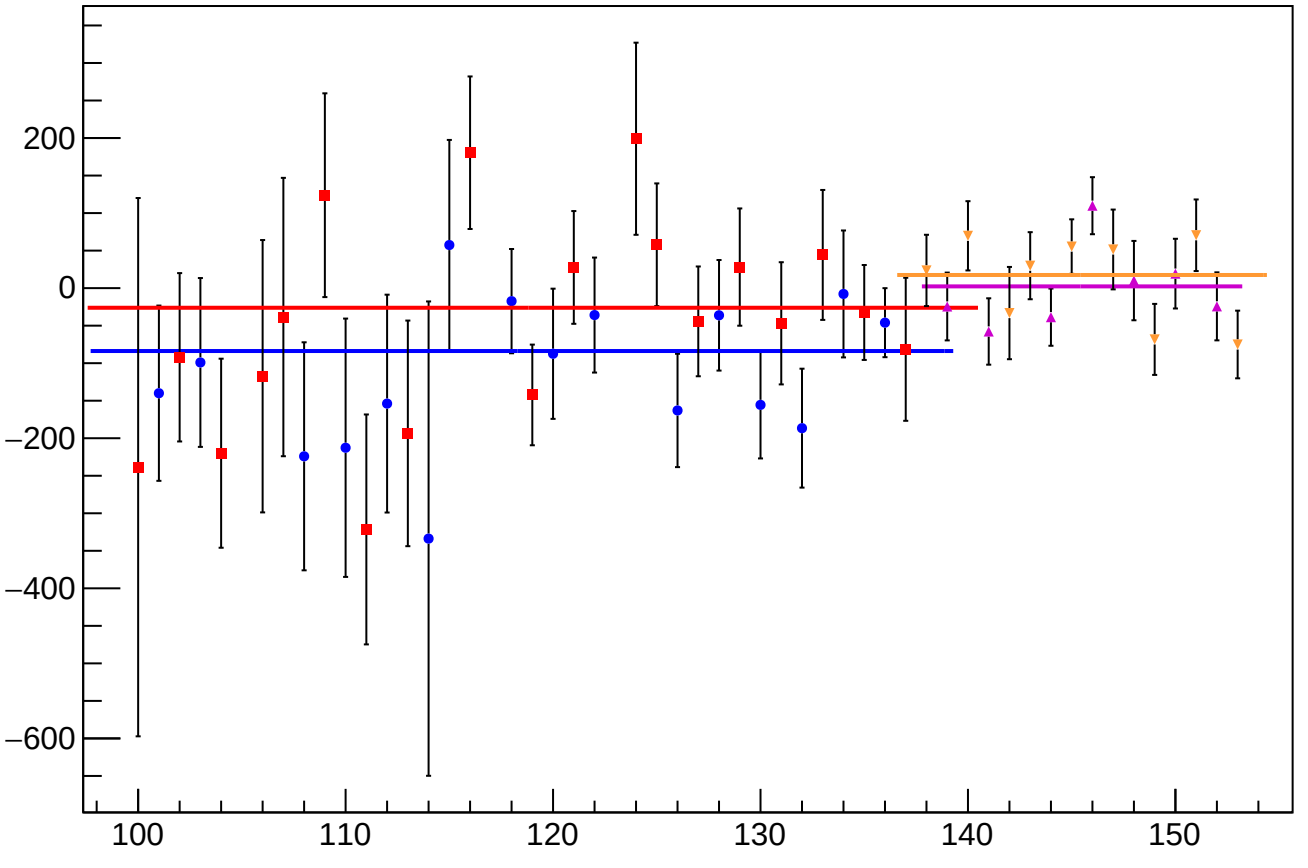
Left: 123.192+/-0.025 χ^2/NDF: 1416907.2/15

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 143.870+/-0.031 χ^2/NDF:5367384.3/22

Out: 146.878+/-0.031 χ^2/NDF:6239565.3/27

All: 145.391+/-0.022 χ^2/NDF: 11611600.9/50



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 17.524+/-15.490 χ^2/NDF:12.3/8

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: 2.335+/-16.460 χ^2/NDF:11.9/6

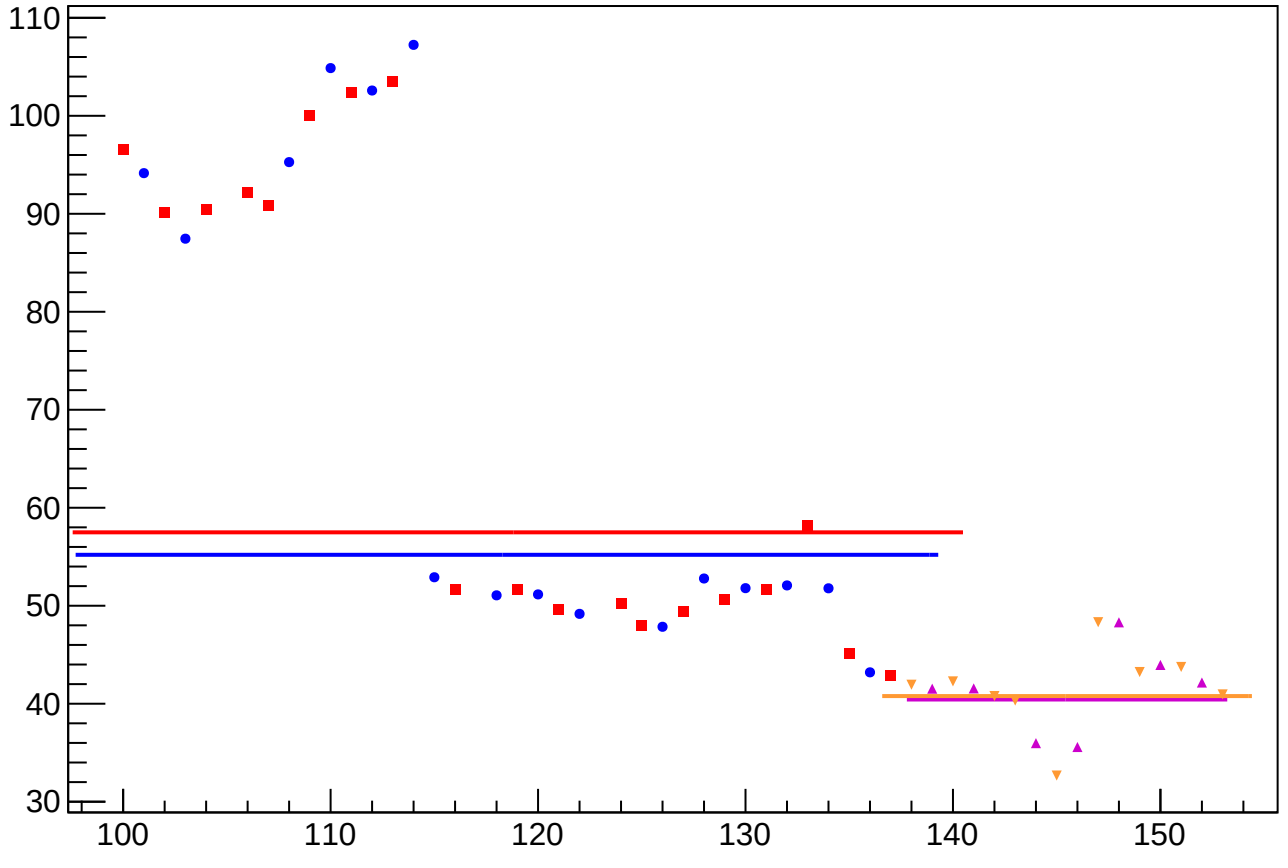
Left: 10.390+/-11.280 χ^2/NDF: 24.6/15

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -29.620+/-13.055 χ^2/NDF:32.6/22

Out: 3.112+/-12.679 χ^2/NDF:37.8/27

All: -12.775+/-9.095 χ^2/NDF: 73.6/50



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 40.780+/-0.011 χ^2/NDF:156586.9/8

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 40.430+/-0.012 χ^2/NDF:121238.9/6

Left: 40.616+/-0.008 χ^2/NDF: 278304.7/15

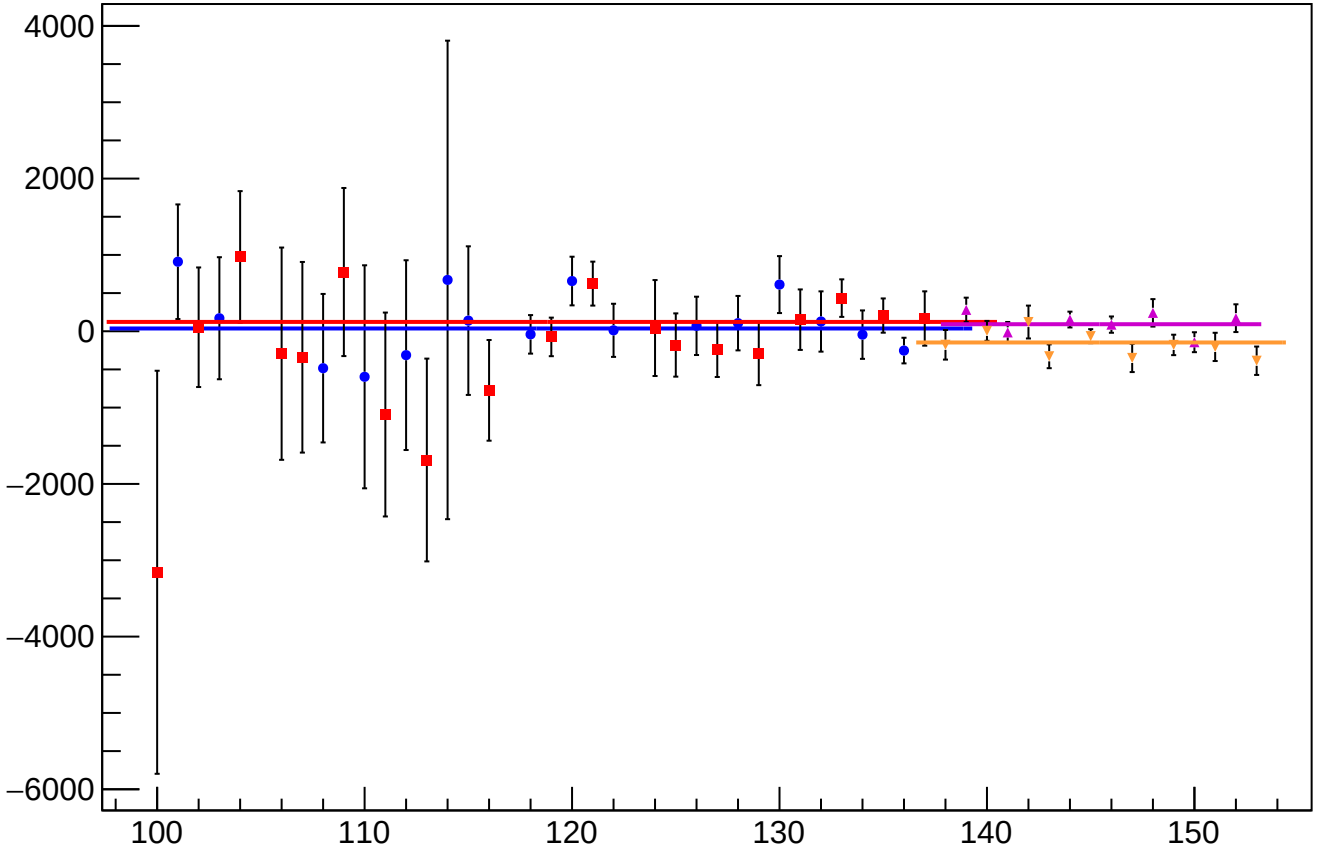
Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 45.908+/-0.009 χ^2/NDF:1870983.1/22

Out: 46.295+/-0.009 χ^2/NDF:2199175.0/27

All: 46.107+/-0.006 χ^2/NDF: 4071061.7/50

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: -146.940+/-49.341 χ^2/NDF:8.1/8

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 92.257+/-50.389 χ^2/NDF:6.5/6

Left: -29.853+/-35.254 χ^2/NDF: 26.1/15

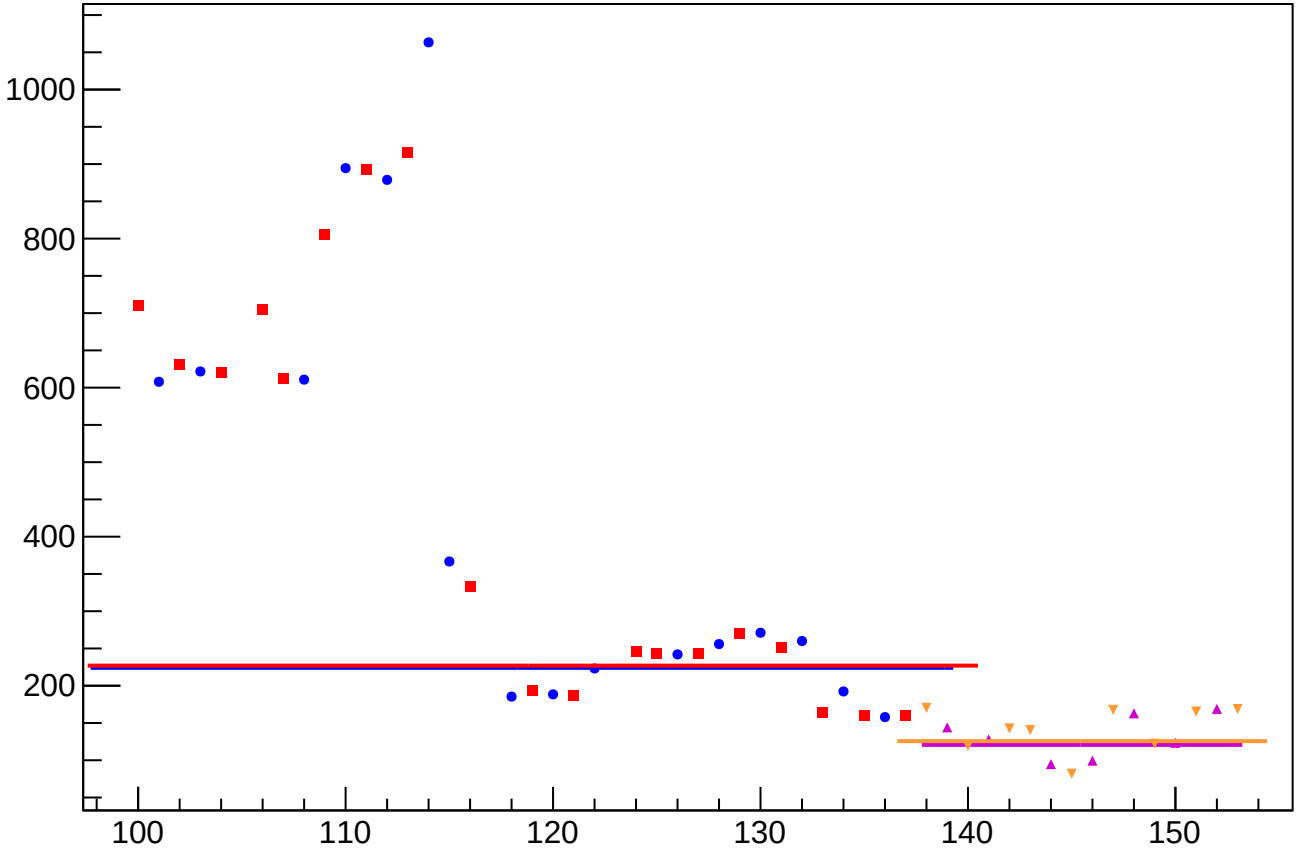
Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 79.682+/-44.364 χ^2/NDF:18.2/22

Out: -90.555+/-43.871 χ^2/NDF:29.9/27

All: -6.387+/-31.194 χ^2/NDF: 55.6/50

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: 125.661+/-0.035 χ^2/NDF:901757.3/8

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 120.616+/-0.036 χ^2/NDF:504916.8/6

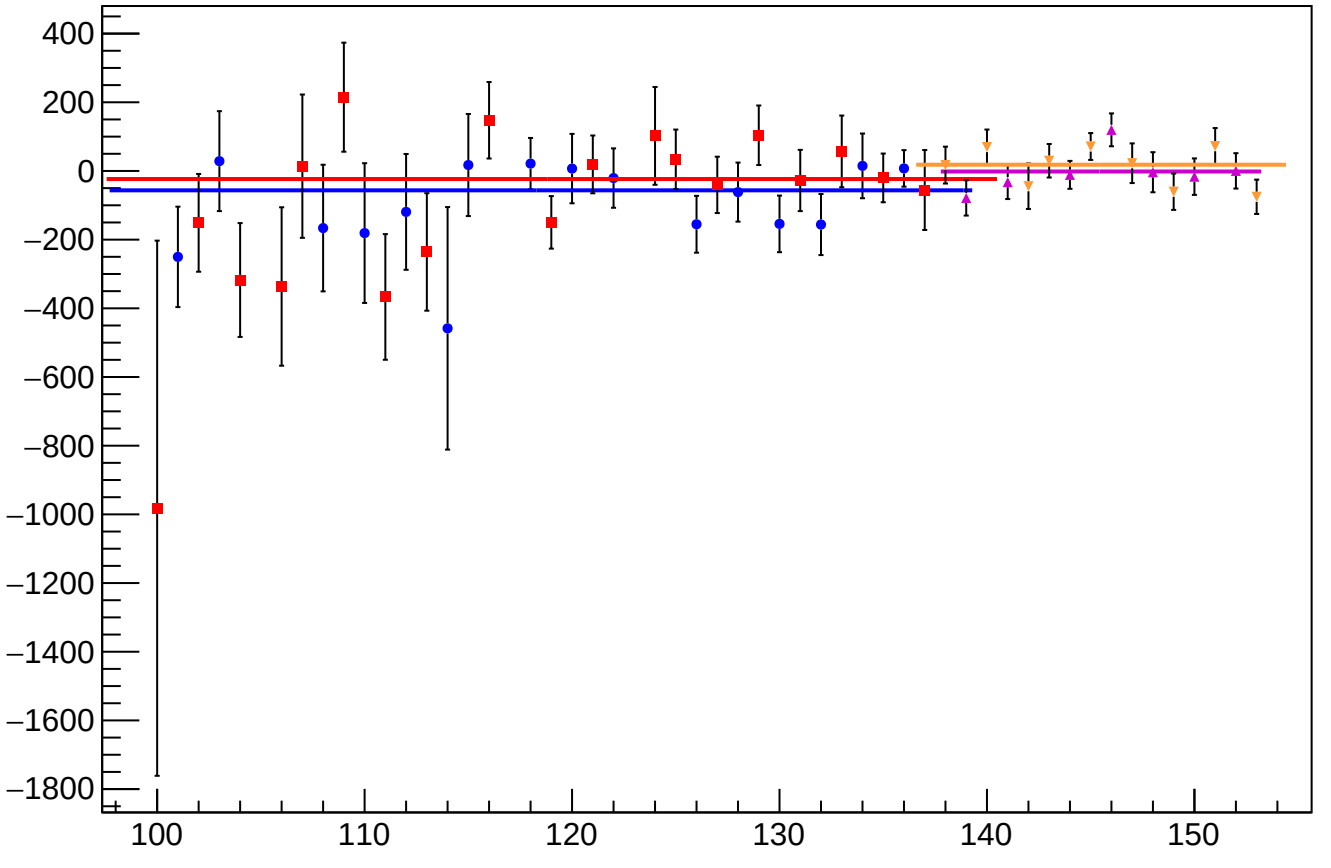
Left: 123.192+/-0.025 χ^2/NDF: 1416907.2/15

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 143.870+/-0.031 χ^2/NDF:5367384.3/22

Out: 146.878+/-0.031 χ^2/NDF:6239565.3/27

All: 145.391+/-0.022 χ^2/NDF: 11611600.9/50



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 18.163+/-17.025 χ^2/NDF:10.6/8

Right Out: -23.495+/-25.161 χ^2/NDF: 24.1/18

Left In: -1.567+/-18.712 χ^2/NDF:9.2/6

Left: 9.228+/-12.593 χ^2/NDF: 20.4/15

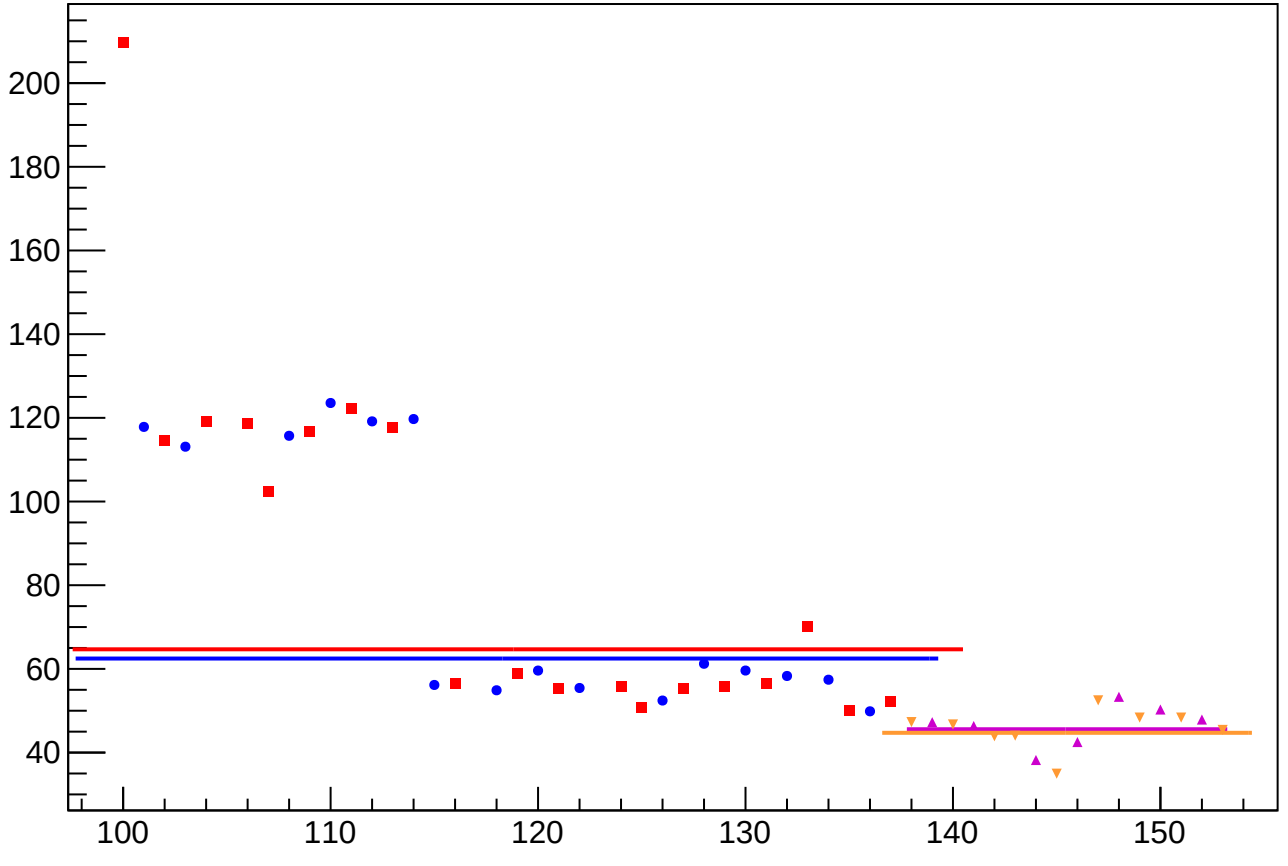
Right: -40.400+/-17.549 χ^2/NDF: 37.2/34

In: -21.785+/-14.869 χ^2/NDF:24.6/22

Out: 5.080+/-14.100 χ^2/NDF:36.5/27

All: -7.641+/-10.231 χ^2/NDF: 62.9/50

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: 44.724+/-0.012 χ^2/NDF:188776.7/8

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

Left In: 45.575+/-0.013 χ^2/NDF:131377.7/6

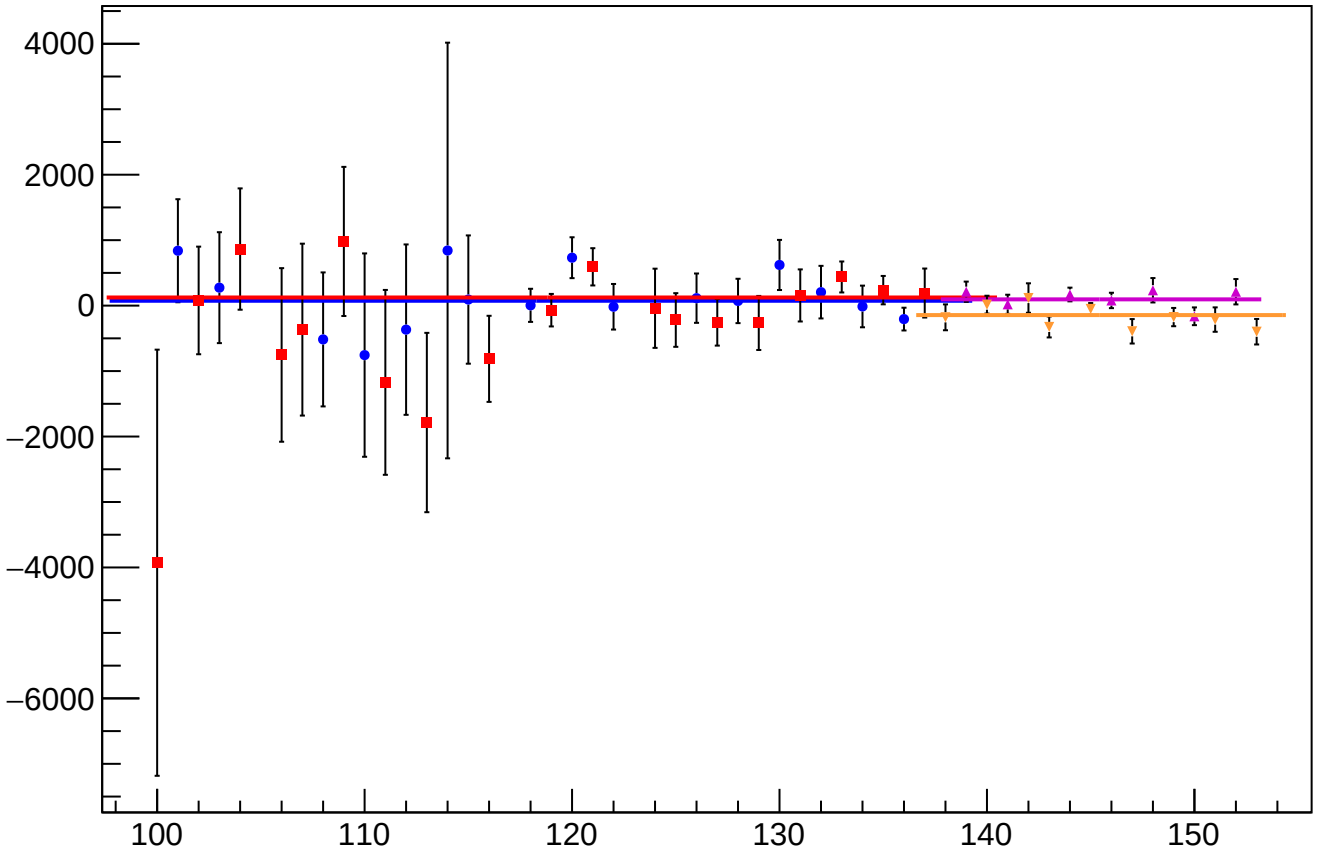
Left: 45.109+/-0.009 χ^2/NDF: 322419.7/15

Right: 63.547+/-0.012 χ^2/NDF: 2946567.9/34

In: 51.805+/-0.011 χ^2/NDF:2080911.3/22

Out: 50.991+/-0.010 χ^2/NDF:2642300.6/27

All: 51.376+/-0.007 χ^2/NDF: 4726363.0/50



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -144.533+/-50.204 χ^2/NDF:8.8/8

Right Out: 124.201+/-94.665 χ^2/NDF: 16.3/18

Left In: 95.603+/-52.547 χ^2/NDF:5.9/6

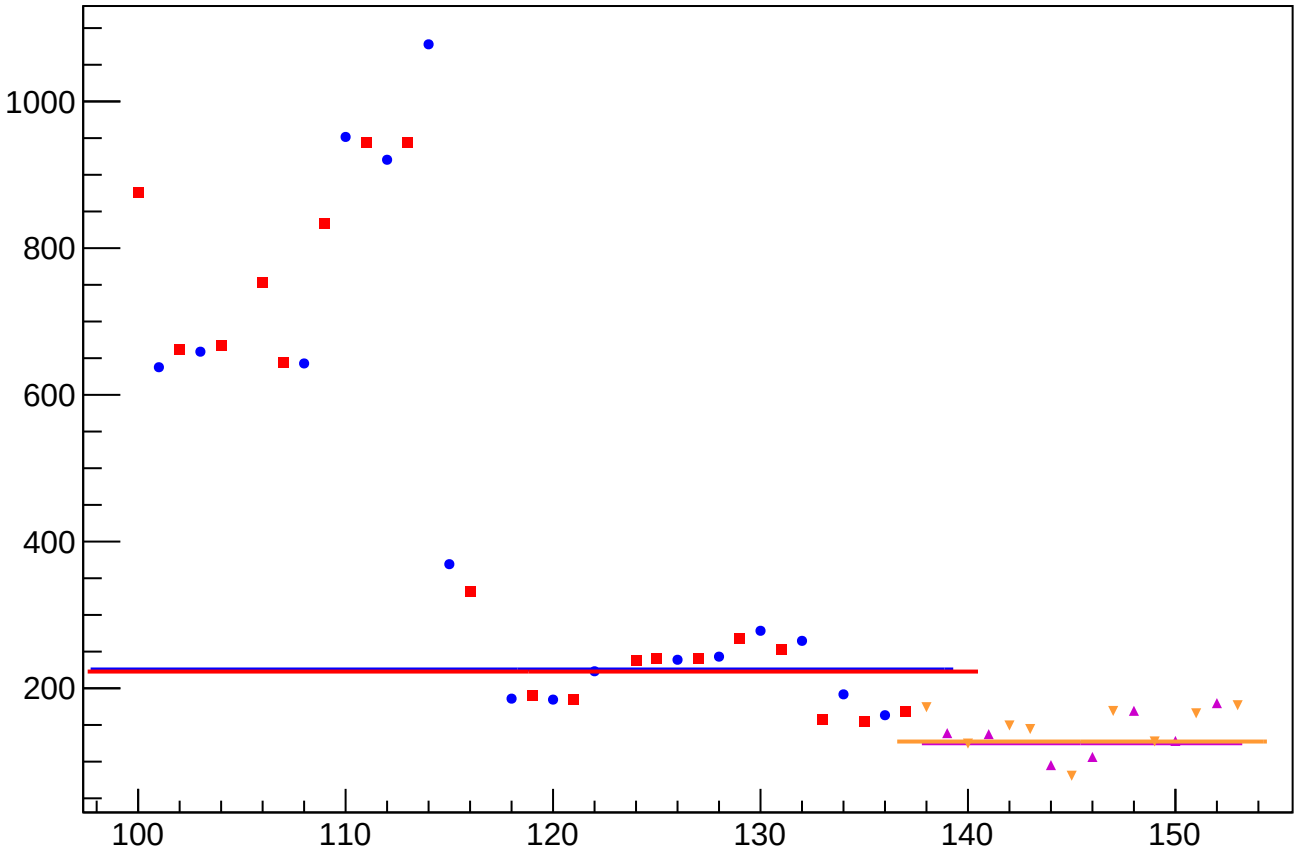
Left: -29.938+/-36.300 χ^2/NDF: 25.6/15

Right: 99.202+/-66.877 χ^2/NDF: 27.7/34

In: 90.570+/-45.924 χ^2/NDF:17.2/22

Out: -85.543+/-44.353 χ^2/NDF:31.4/27

All: -0.550+/-31.903 χ^2/NDF: 56.1/50



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 127.397+/-0.035 χ^2/NDF:1004537.5/8

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

Left In: 125.051+/-0.037 χ^2/NDF:515904.8/6

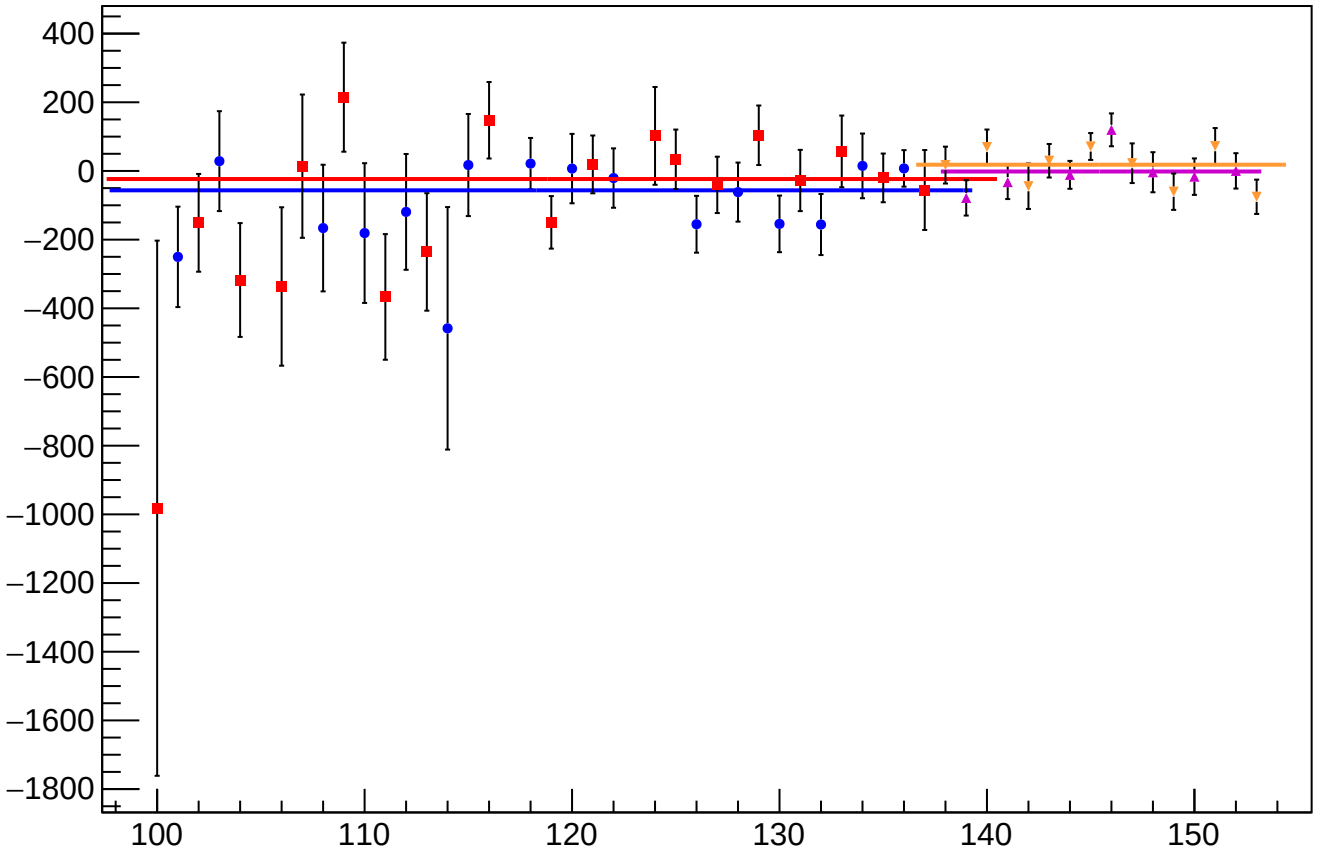
Left: 126.278+/-0.026 χ^2/NDF: 1522527.6/15

Right: 224.203+/-0.047 χ^2/NDF: 6875057.9/34

In: 148.804+/-0.032 χ^2/NDF:5272115.7/22

Out: 148.336+/-0.031 χ^2/NDF:6437612.0/27

All: 148.562+/-0.023 χ^2/NDF: 11709835.0/50



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 18.164+/-17.025 χ^2/NDF:10.6/8

Right Out: -23.498+/-25.160 χ^2/NDF: 24.1/18

Left In: -1.566+/-18.712 χ^2/NDF:9.2/6

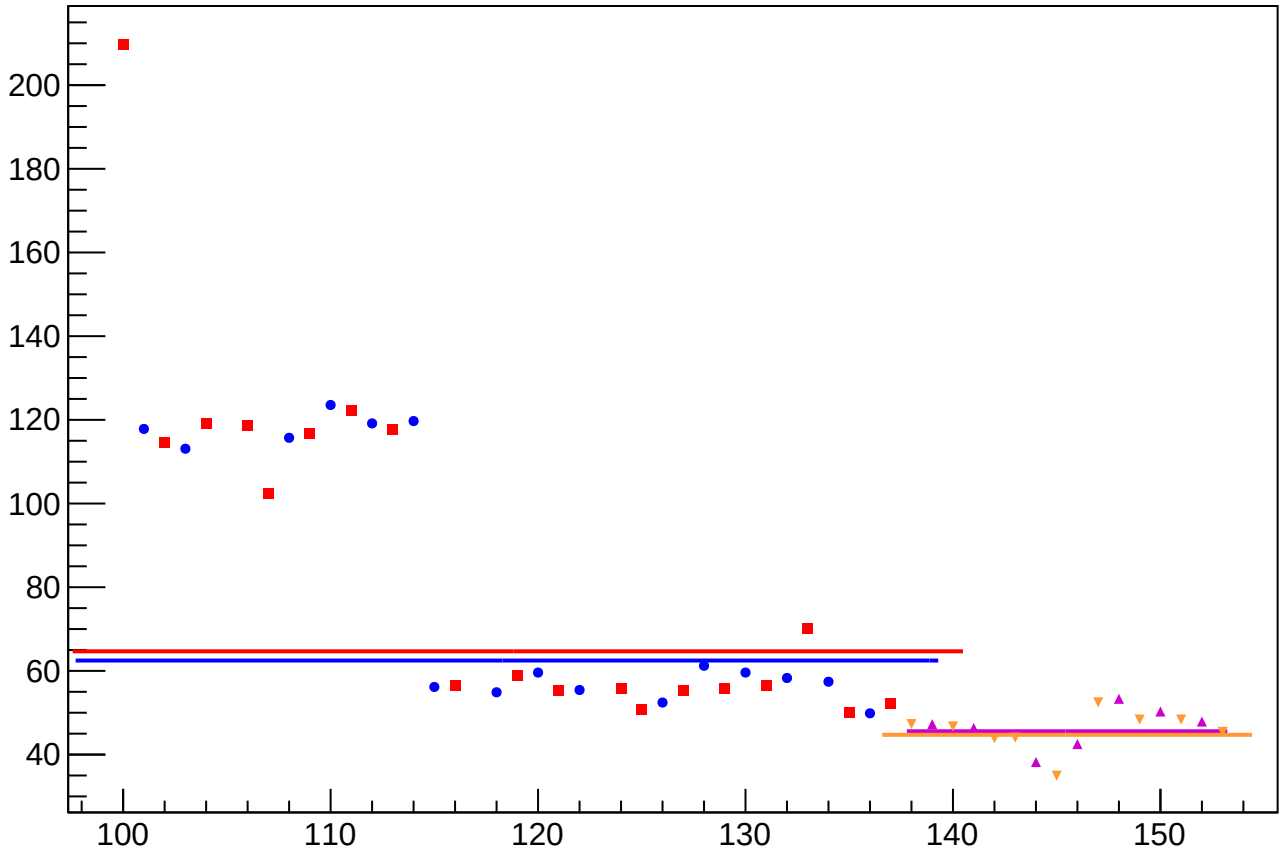
Left: 9.228+/-12.593 χ^2/NDF: 20.4/15

Right: -40.402+/-17.549 χ^2/NDF: 37.2/34

In: -21.785+/-14.869 χ^2/NDF:24.6/22

Out: 5.079+/-14.100 χ^2/NDF:36.5/27

All: -7.641+/-10.231 χ^2/NDF: 62.9/50



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 44.724+/-0.012 χ^2/NDF:188779.7/8

Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 45.575+/-0.013 χ^2/NDF:131377.7/6

Left: 45.109+/-0.009 χ^2/NDF: 322422.5/15

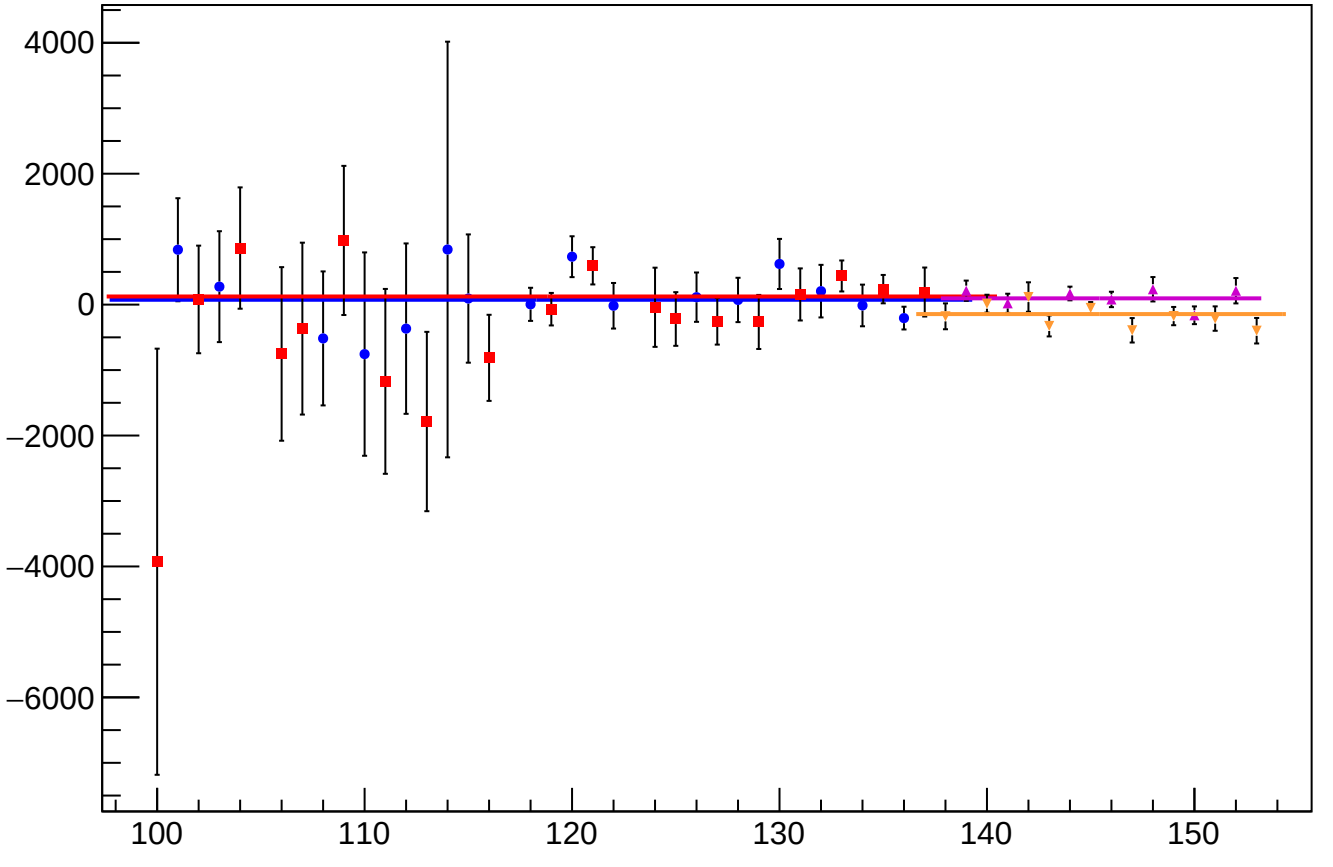
Right: 63.547+/-0.012 χ^2/NDF: 2946529.3/34

In: 51.805+/-0.011 χ^2/NDF:2080856.9/22

Out: 50.991+/-0.010 χ^2/NDF:2642257.1/27

All: 51.376+/-0.007 χ^2/NDF: 4726264.4/50

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: -144.533+/-50.204 χ^2/NDF:8.8/8

Right Out: 124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: 95.604+/-52.547 χ^2/NDF:5.9/6

Left: -29.937+/-36.300 χ^2/NDF: 25.6/15

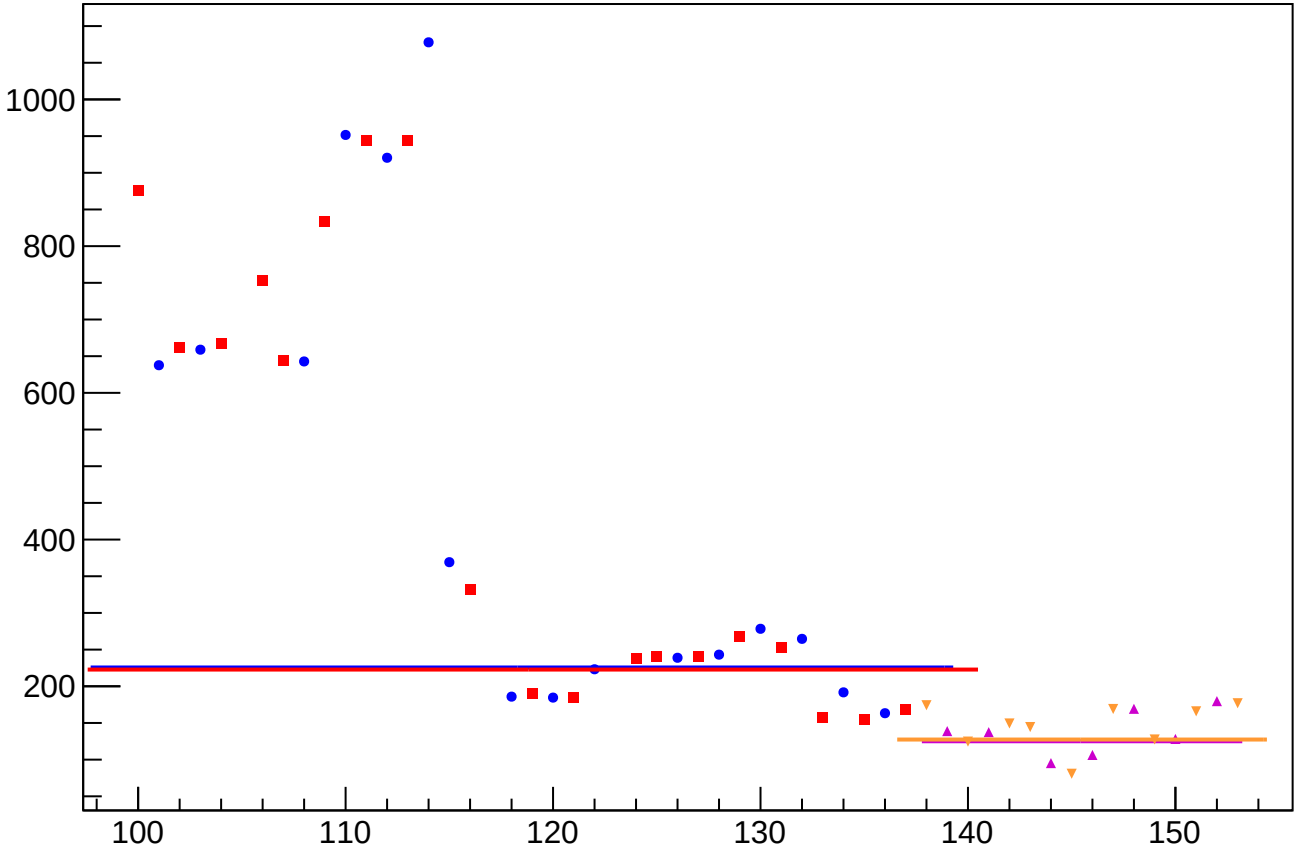
Right: 99.201+/-66.877 χ^2/NDF: 27.7/34

In: 90.570+/-45.924 χ^2/NDF:17.2/22

Out: -85.543+/-44.353 χ^2/NDF:31.4/27

All: -0.550+/-31.903 χ^2/NDF: 56.1/50

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: 127.398+/-0.035 χ^2/NDF:1004539.2/8

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

Left In: 125.051+/-0.037 χ^2/NDF:515911.0/6

Left: 126.278+/-0.026 χ^2/NDF: 1522535.8/15

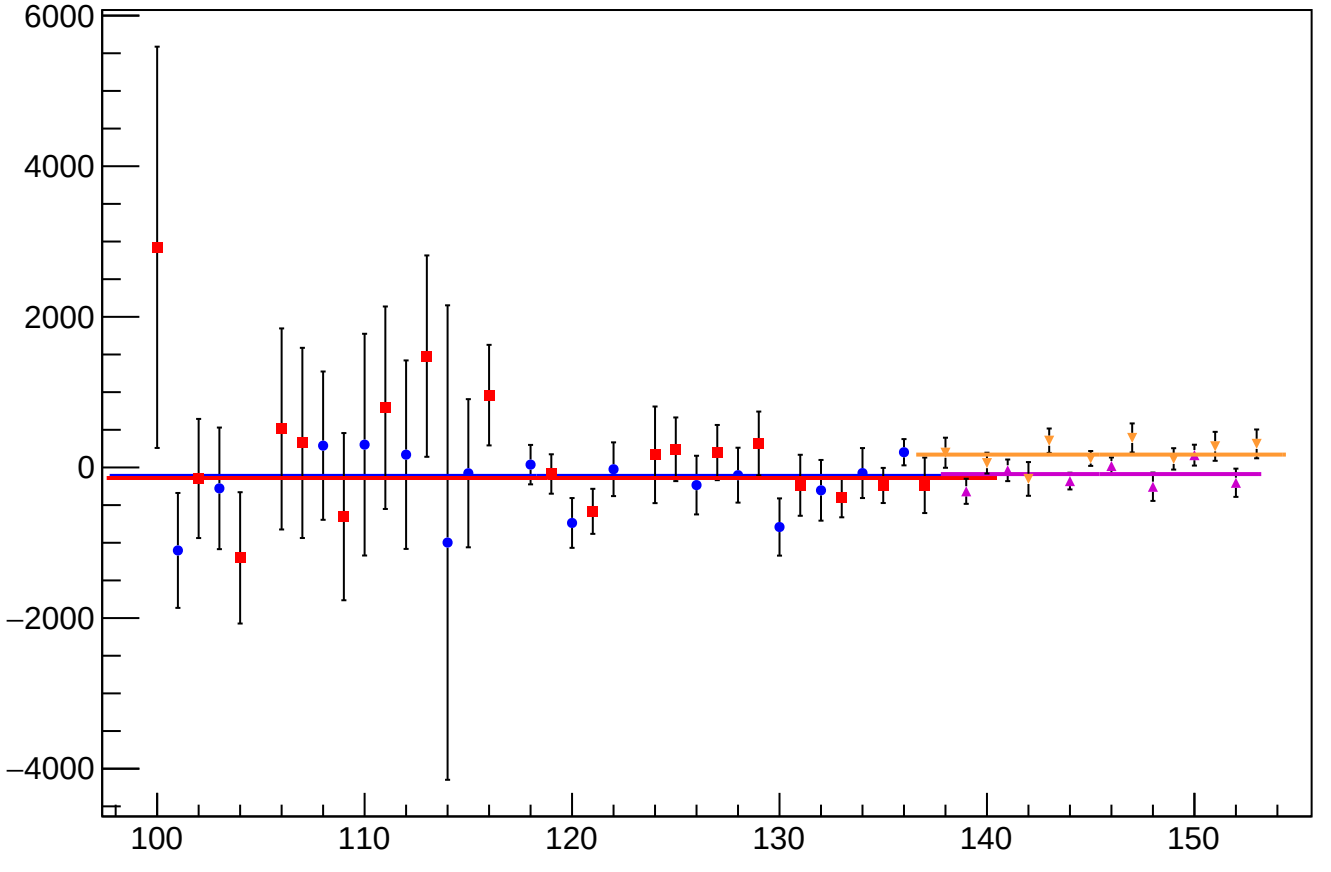
Right: 224.203+/-0.047 χ^2/NDF: 6875025.2/34

In: 148.804+/-0.032 χ^2/NDF:5272098.1/22

Out: 148.337+/-0.031 χ^2/NDF:6437588.4/27

All: 148.562+/-0.023 χ^2/NDF: 11709793.6/50

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 170.801+/-52.073 χ^2/NDF:6.7/8

Right Out: -139.974+/-99.174 χ^2/NDF: 14.6/18

Left In: -87.847+/-53.310 χ^2/NDF:8.1/6

Left: 44.513+/-37.251 χ^2/NDF: 26.8/15

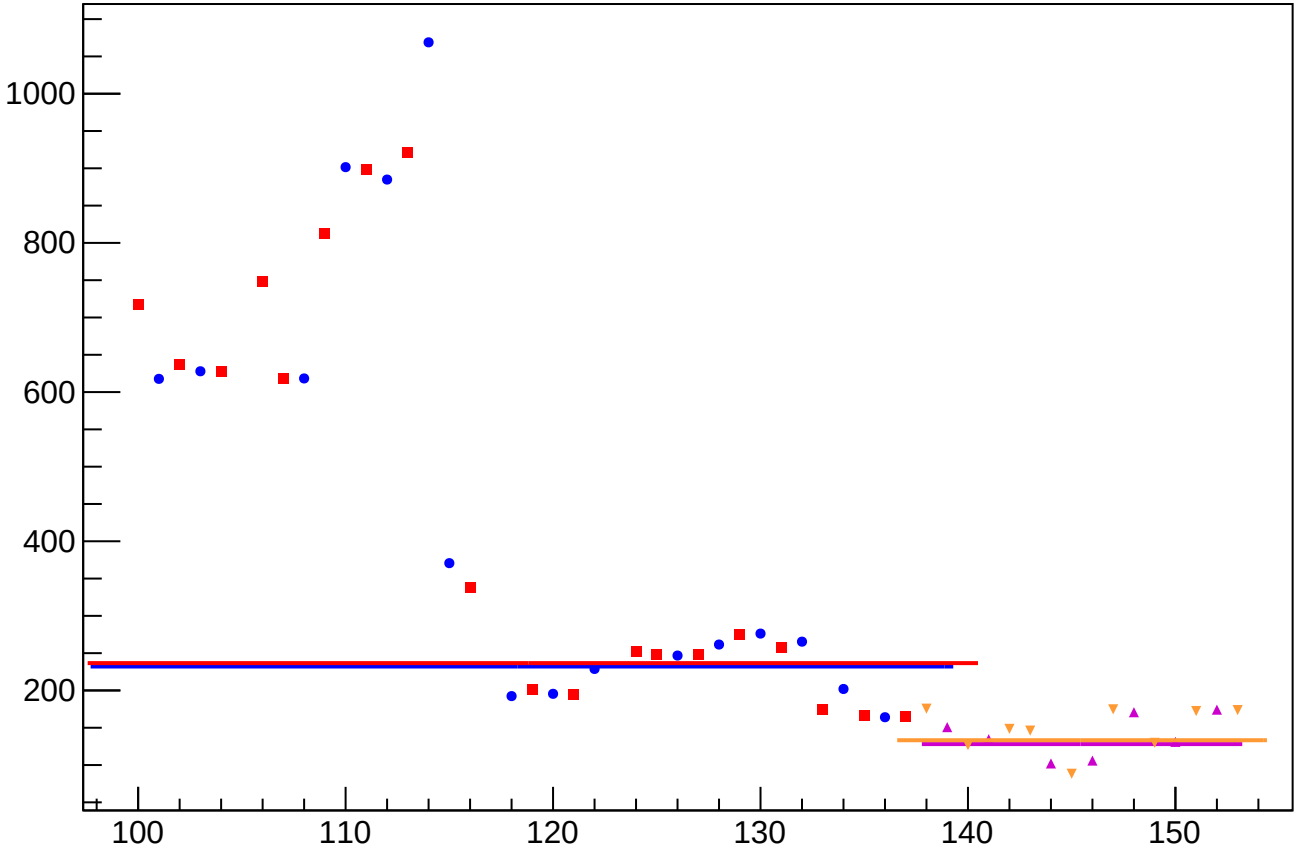
Right: -125.569+/-69.180 χ^2/NDF: 27.5/34

In: -93.471+/-46.669 χ^2/NDF:20.9/22

Out: 103.639+/-46.104 χ^2/NDF:29.0/27

All: 6.284+/-32.798 χ^2/NDF: 59.0/50

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 133.265+/-0.037 χ^2/NDF:796398.5/8

Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 128.093+/-0.038 χ^2/NDF:451181.1/6

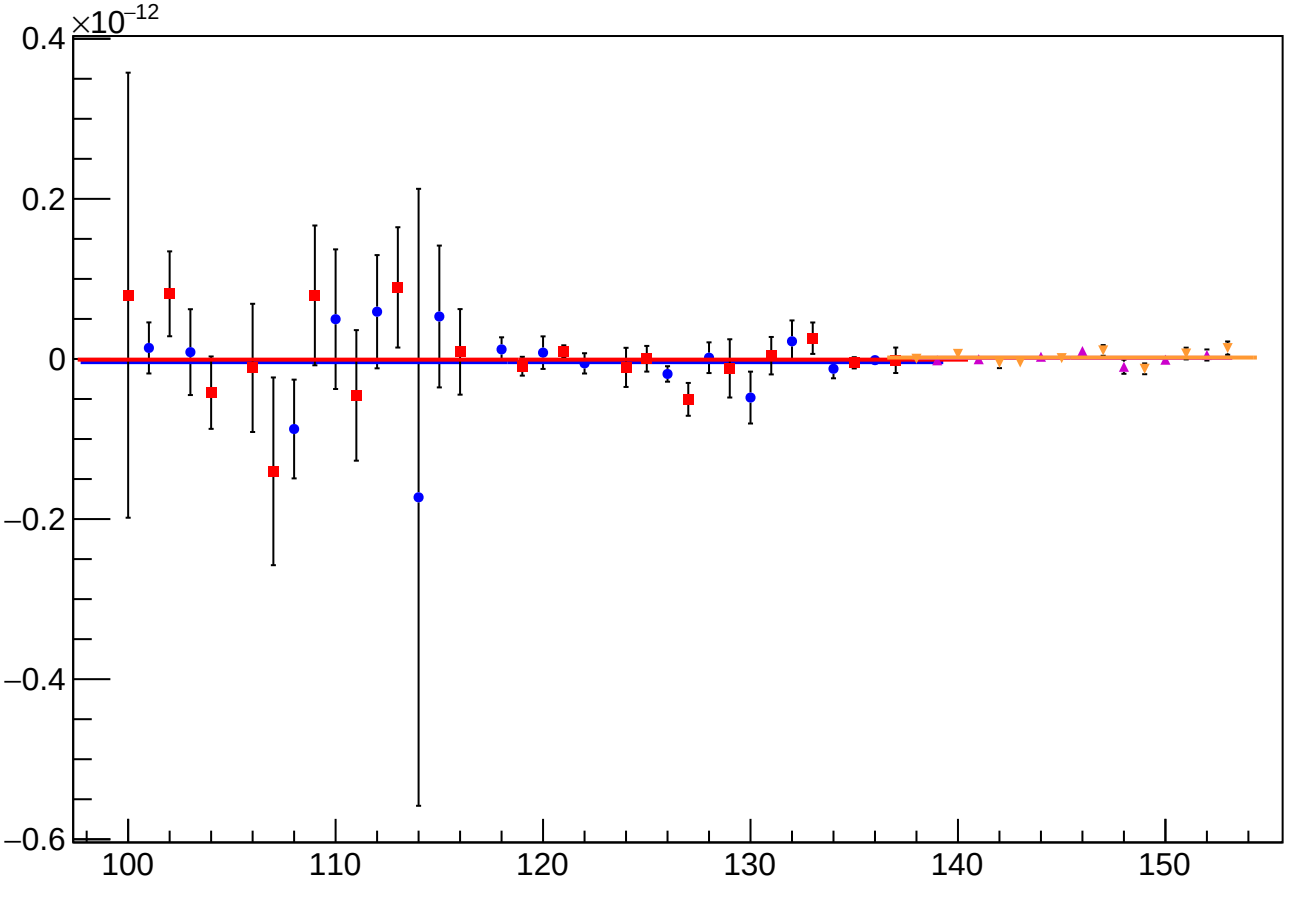
Left: 130.739+/-0.026 χ^2/NDF: 1257212.0/15

Right: 234.316+/-0.049 χ^2/NDF: 6408696.2/34

In: 152.394+/-0.033 χ^2/NDF:5115531.6/22

Out: 155.607+/-0.033 χ^2/NDF:6021084.7/27

All: 154.020+/-0.023 χ^2/NDF: 11141412.0/50



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.8/8

Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:4.8/6

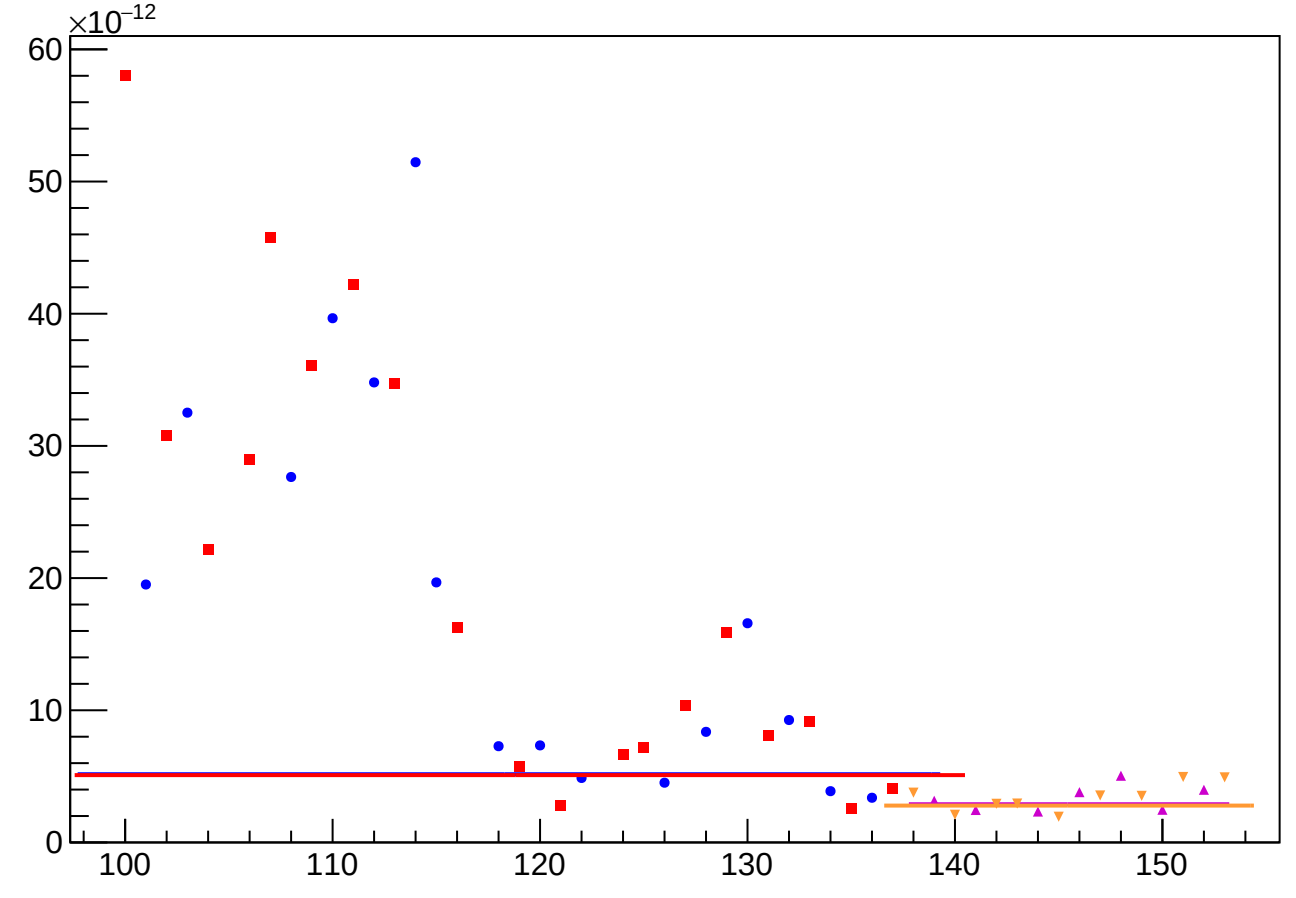
Left: 0.000+/-0.000 χ^2/NDF: 17.7/15

Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: 0.000+/-0.000 χ^2/NDF:17.9/22

Out: 0.000+/-0.000 χ^2/NDF:31.3/27

All: 0.000+/-0.000 χ^2/NDF: 49.5/50



Right In: 0.000+/-0.000 χ^2/NDF: 2618432.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:626571.2/8

Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

Left In: 0.000+/-0.000 χ^2/NDF:310154.4/6

Left: 0.000+/-0.000 χ^2/NDF: 939960.1/15

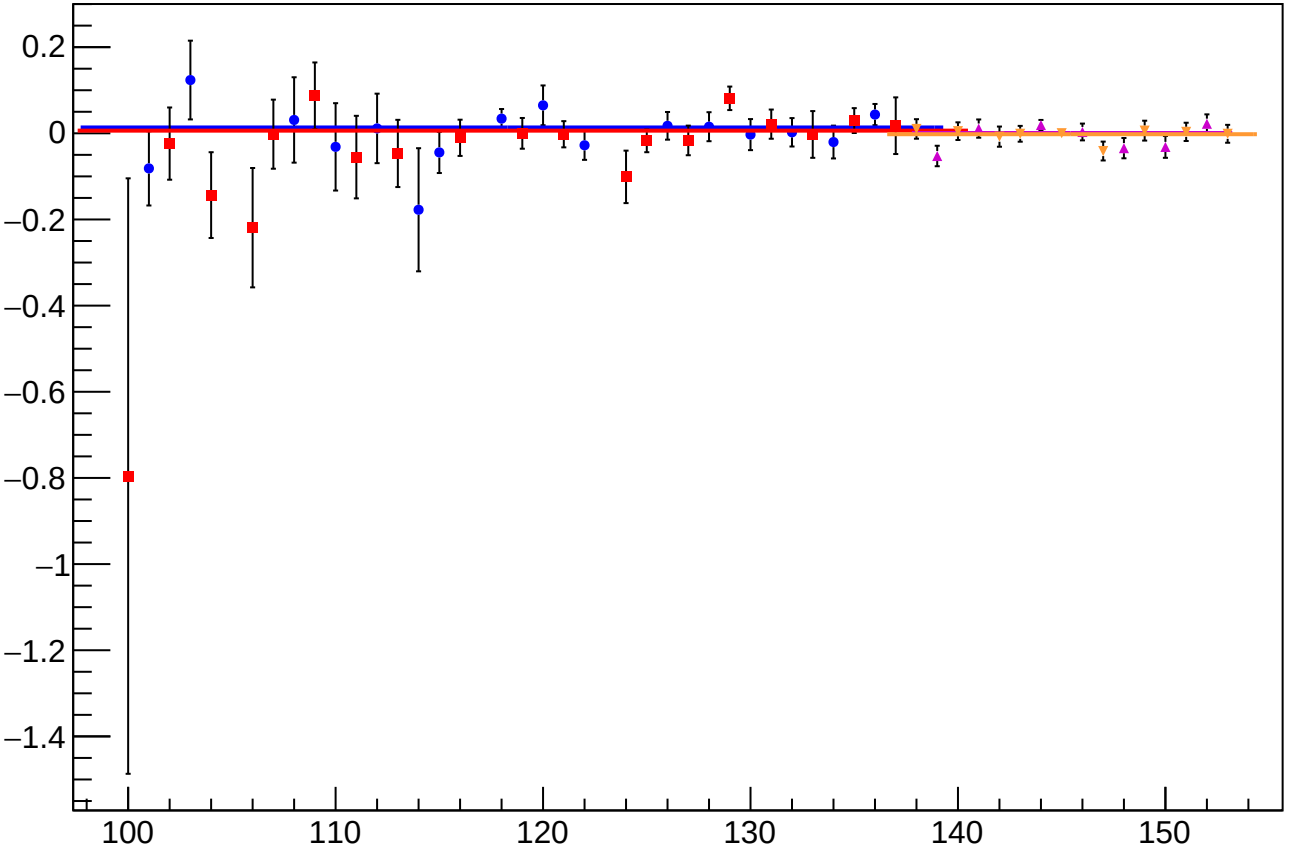
Right: 0.000+/-0.000 χ^2/NDF: 5854929.1/34

In: 0.000+/-0.000 χ^2/NDF:3534193.4/22

Out: 0.000+/-0.000 χ^2/NDF:4436564.4/27

All: 0.000+/-0.000 χ^2/NDF: 7988571.9/50

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.002+/-0.006 χ^2/NDF:3.9/8

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.001+/-0.007 χ^2/NDF:12.6/6

Left: -0.001+/-0.005 χ^2/NDF: 16.6/15

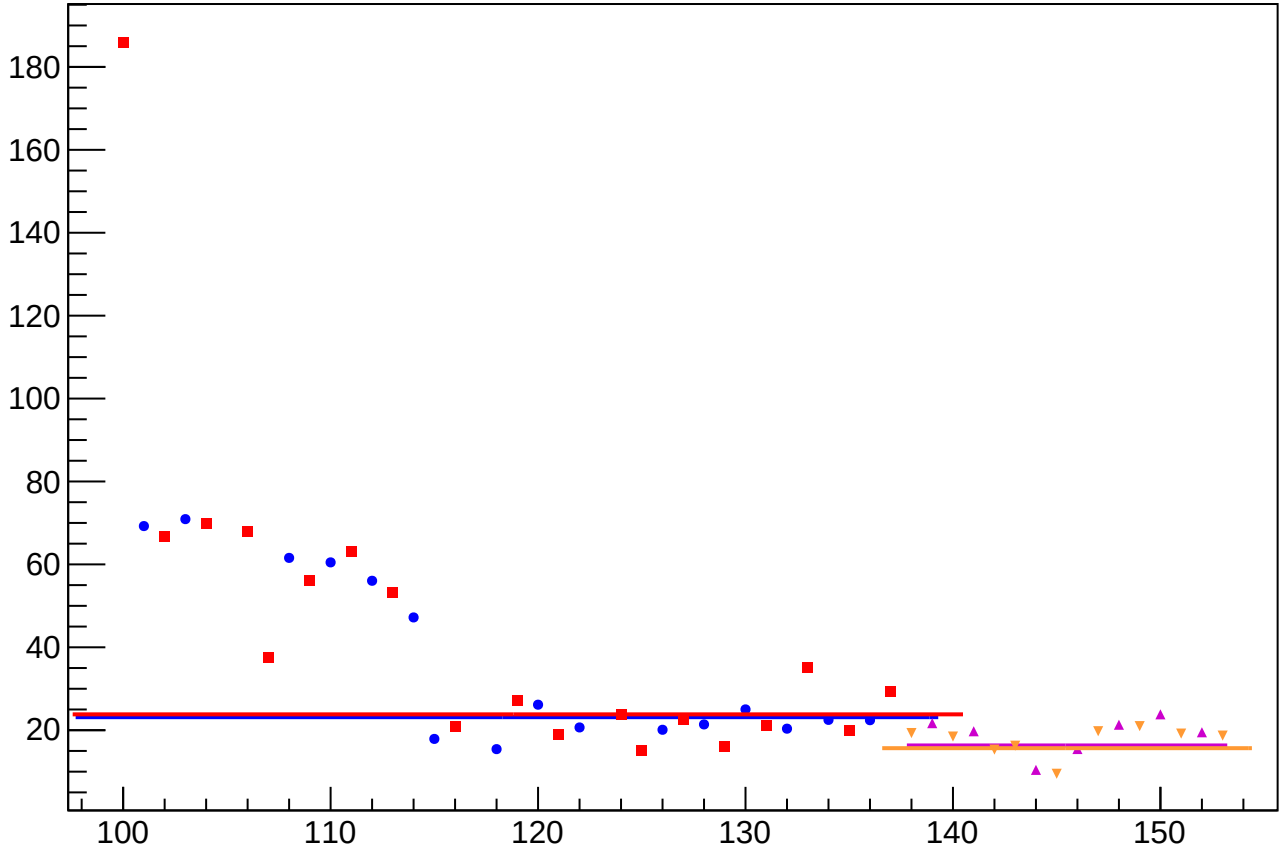
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.006 χ^2/NDF:26.0/22

Out: 0.000+/-0.005 χ^2/NDF:25.8/27

All: 0.002+/-0.004 χ^2/NDF: 52.3/50

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 15.665+/-0.004 χ^2/NDF:962180.1/8

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 16.322+/-0.005 χ^2/NDF:966111.9/6

Left: 15.948+/-0.003 χ^2/NDF: 1937760.4/15

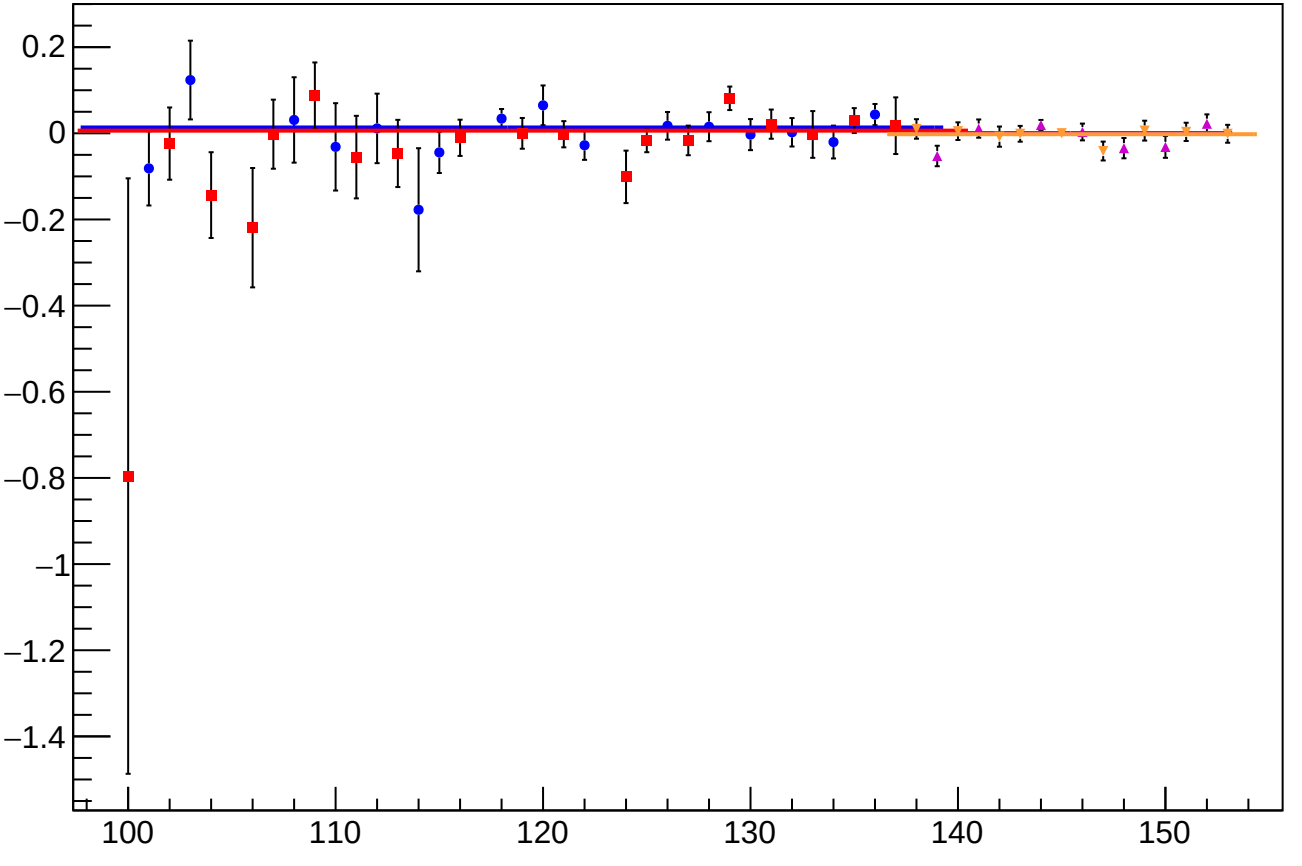
Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 18.698+/-0.004 χ^2/NDF:3998400.2/22

Out: 17.944+/-0.004 χ^2/NDF:4807961.4/27

All: 18.288+/-0.003 χ^2/NDF: 8824695.4/50

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+/-0.006 χ^2/NDF:3.9/8

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.001+/-0.007 χ^2/NDF:12.6/6

Left: -0.001+/-0.005 χ^2/NDF: 16.6/15

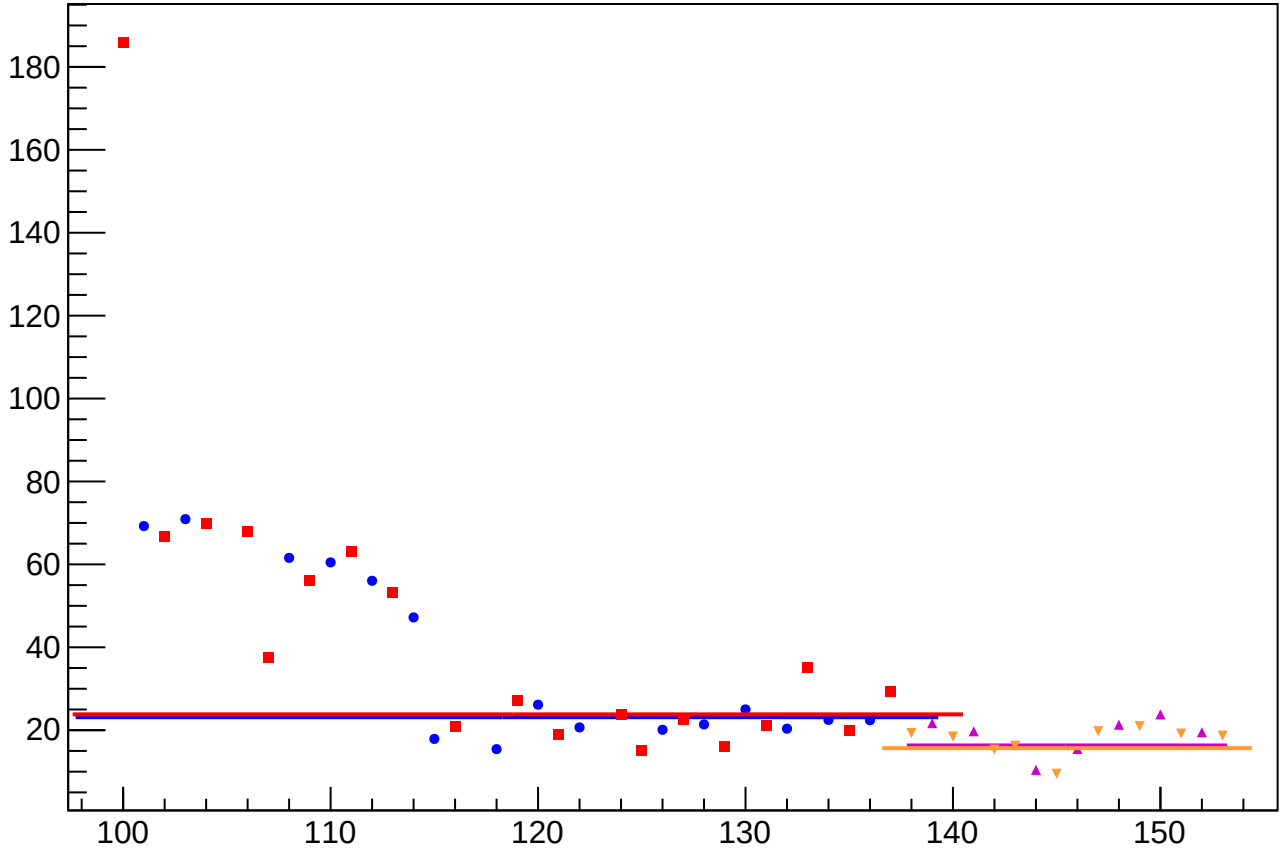
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.006 χ^2/NDF:26.0/22

Out: 0.000+/-0.005 χ^2/NDF:25.8/27

All: 0.002+/-0.004 χ^2/NDF: 52.3/50

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 15.665+/-0.004 χ^2/NDF:962180.1/8

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 16.322+/-0.005 χ^2/NDF:966111.9/6

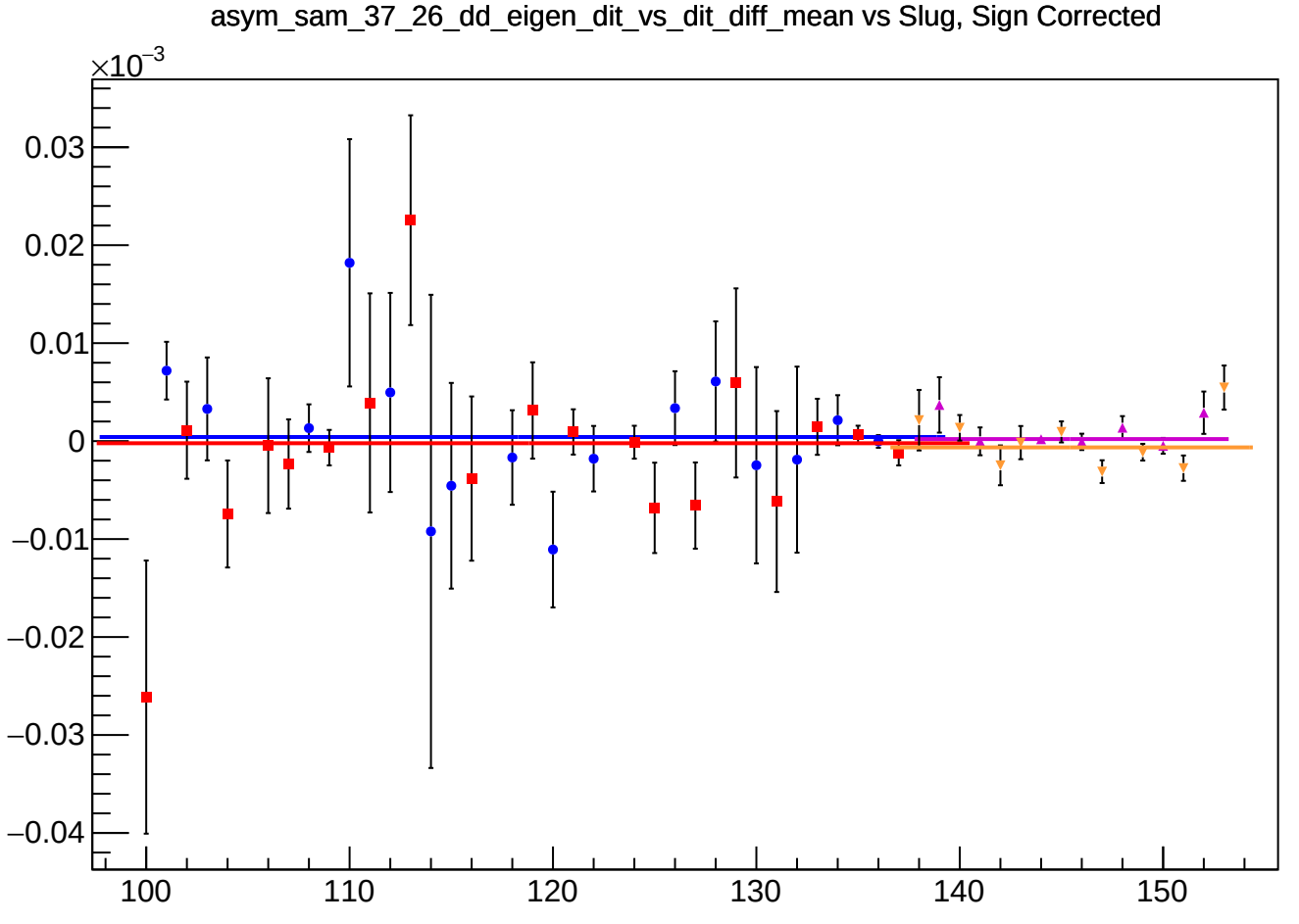
Left: 15.948+/-0.003 χ^2/NDF: 1937760.4/15

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 18.698+/-0.004 χ^2/NDF:3998400.2/22

Out: 17.944+/-0.004 χ^2/NDF:4807961.4/27

All: 18.288+/-0.003 χ^2/NDF: 8824695.4/50



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/8

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:4.9/6

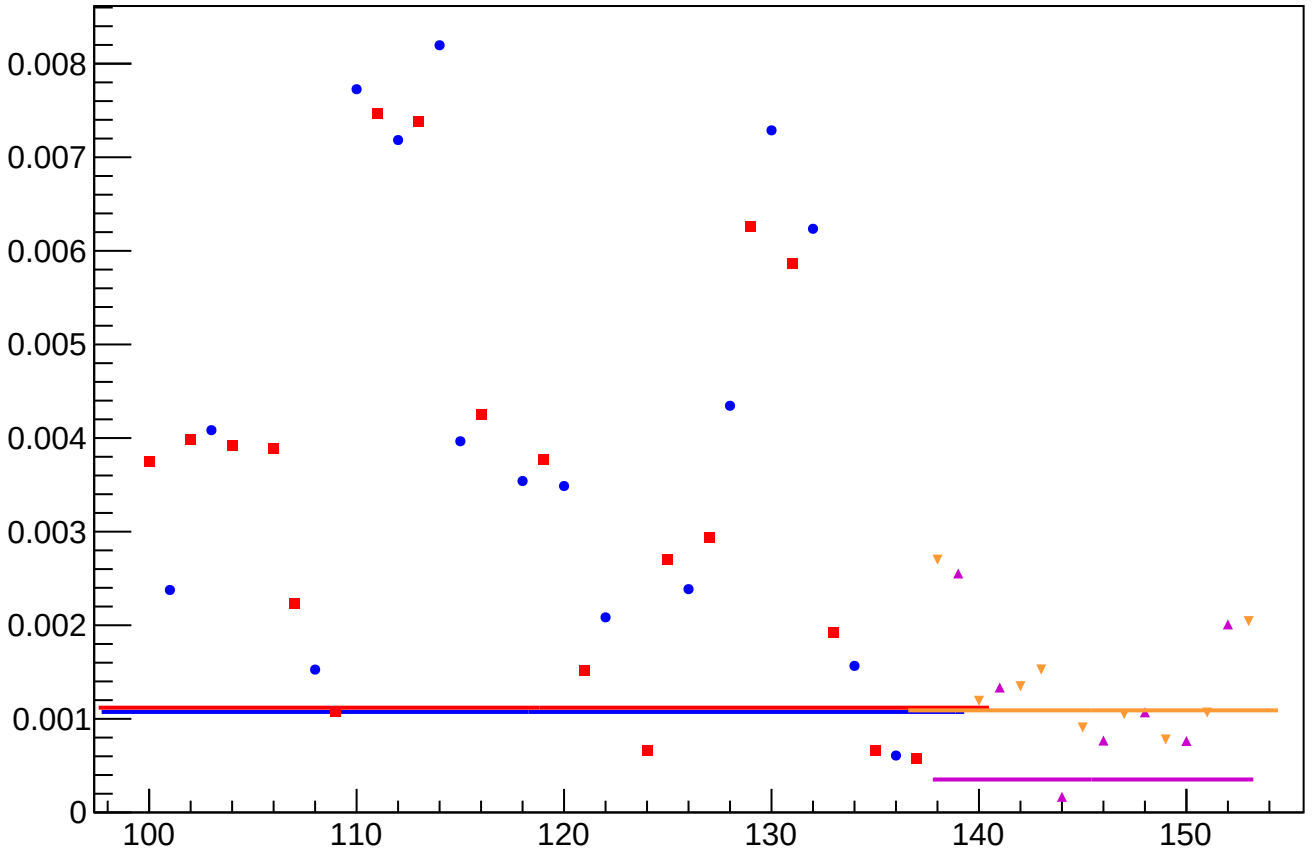
Left: 0.000+/-0.000 χ^2/NDF: 29.0/15

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: 0.000+/-0.000 χ^2/NDF:20.3/22

Out: -0.000+/-0.000 χ^2/NDF:39.4/27

All: 0.000+/-0.000 χ^2/NDF: 62.8/50



Right In: 0.001+/-0.000 χ^2/NDF: 7045313.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:1406918.6/8

Right Out: 0.001+/-0.000 χ^2/NDF: 6796343.2/18

Left In: 0.000+/-0.000 χ^2/NDF:6162327.7/6

Left: 0.001+/-0.000 χ^2/NDF: 11977118.3/15

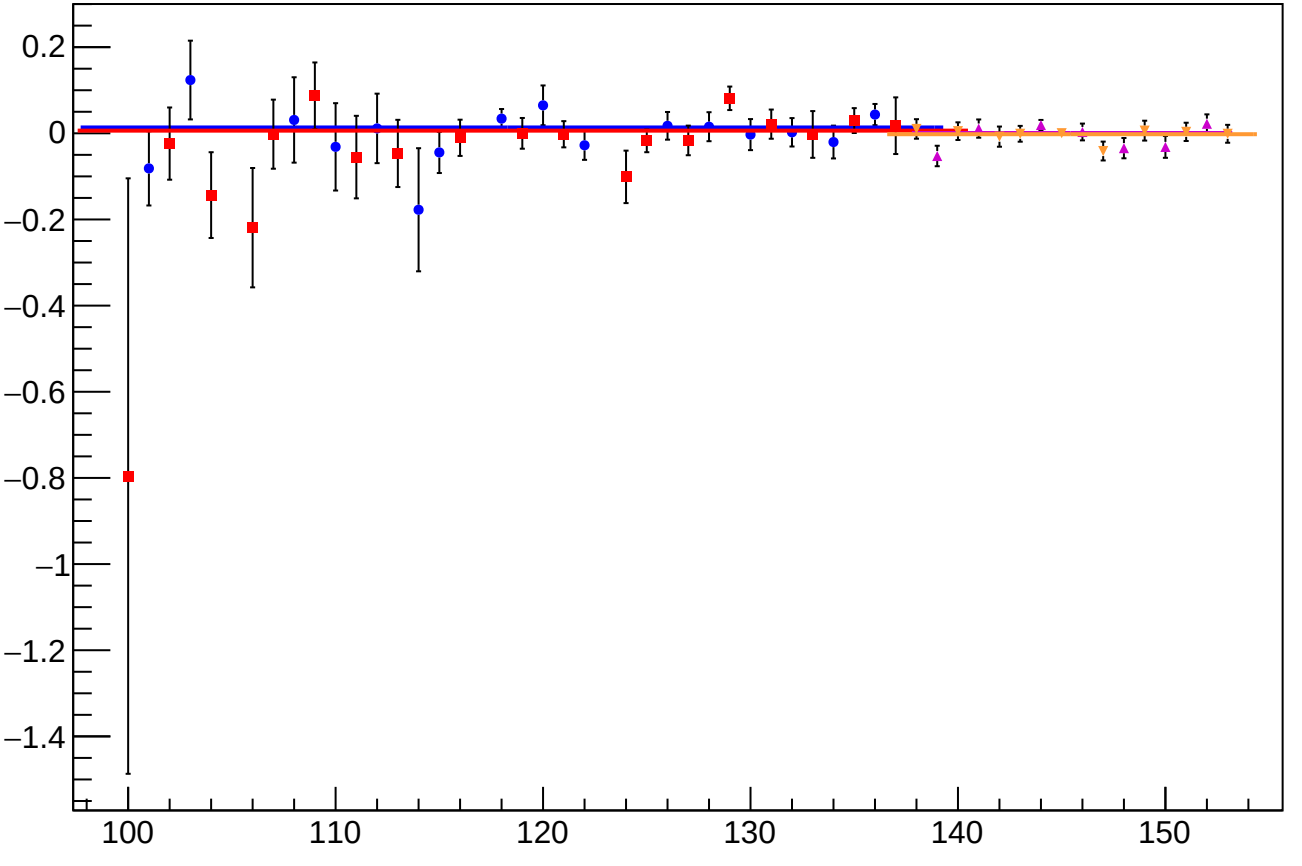
Right: 0.001+/-0.000 χ^2/NDF: 13848160.8/34

In: 0.000+/-0.000 χ^2/NDF:16061537.4/22

Out: 0.001+/-0.000 χ^2/NDF:8206408.5/27

All: 0.001+/-0.000 χ^2/NDF: 29380256.1/50

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.002+/-0.006 χ^2/NDF:3.9/8

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.001+/-0.007 χ^2/NDF:12.6/6

Left: -0.001+/-0.005 χ^2/NDF: 16.6/15

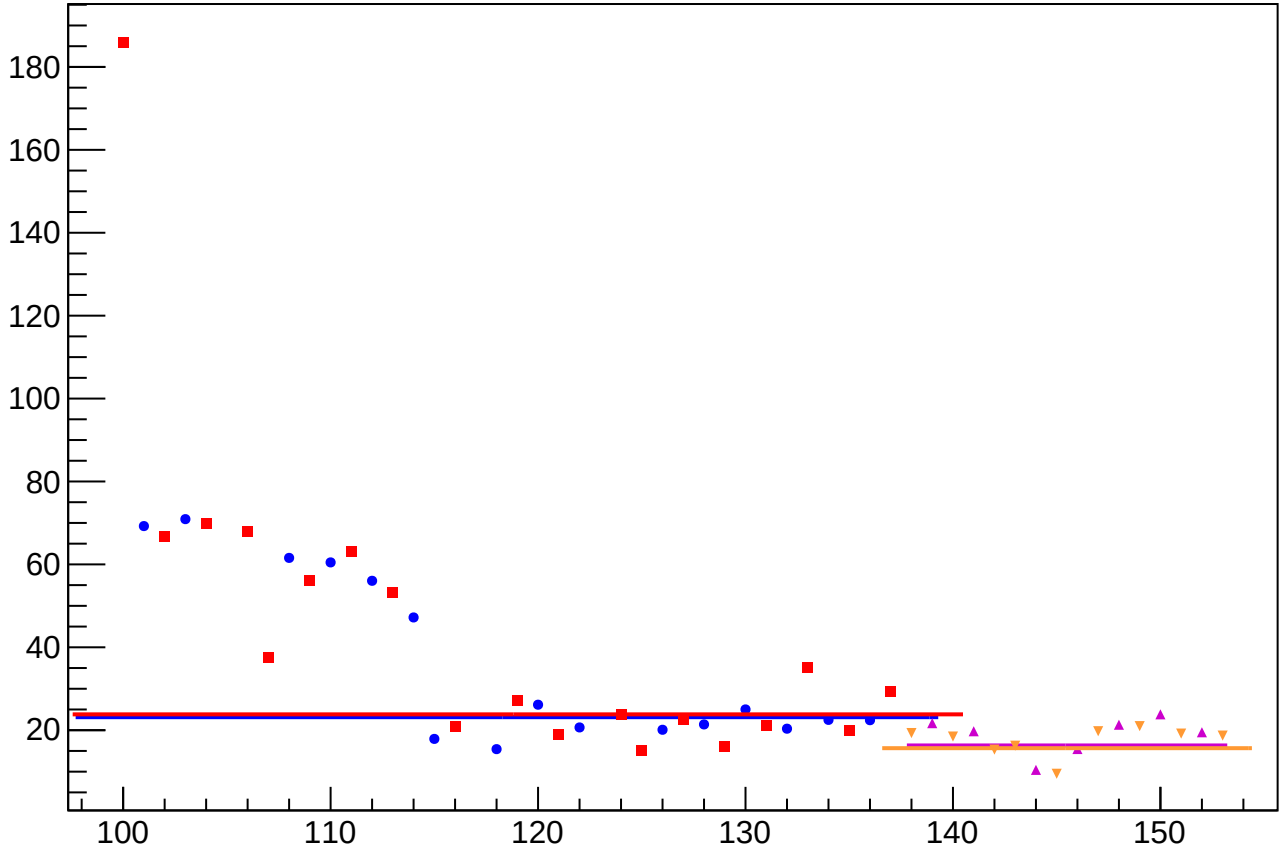
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.006 χ^2/NDF:26.0/22

Out: 0.000+/-0.005 χ^2/NDF:25.8/27

All: 0.002+/-0.004 χ^2/NDF: 52.3/50

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 15.665+/-0.004 χ^2/NDF:962262.2/8

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 16.322+/-0.005 χ^2/NDF:966076.0/6

Left: 15.948+/-0.003 χ^2/NDF: 1937808.3/15

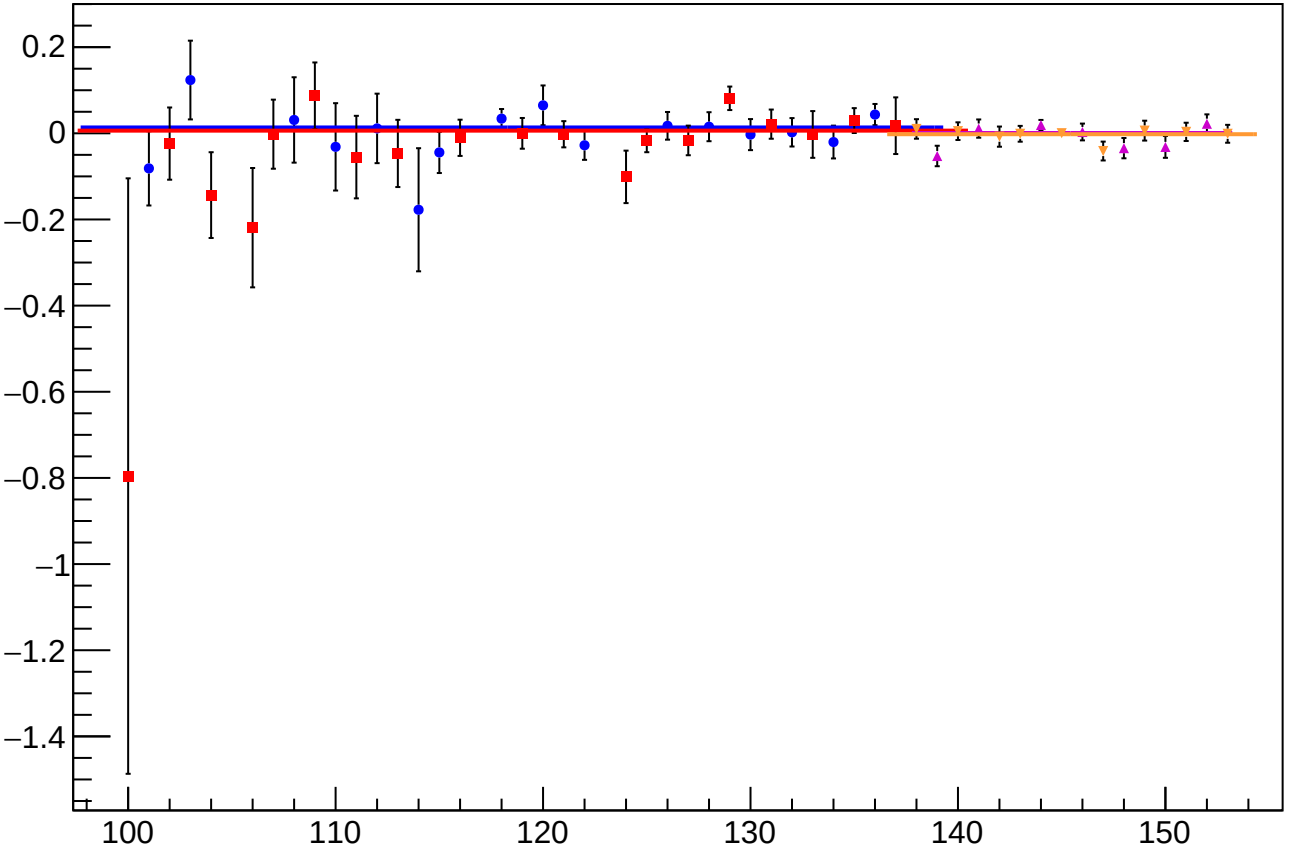
Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 18.698+/-0.004 χ^2/NDF:3998165.1/22

Out: 17.944+/-0.004 χ^2/NDF:4807868.0/27

All: 18.288+/-0.003 χ^2/NDF: 8824358.8/50

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.002+/-0.006 χ^2/NDF:3.9/8

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.001+/-0.007 χ^2/NDF:12.6/6

Left: -0.001+/-0.005 χ^2/NDF: 16.6/15

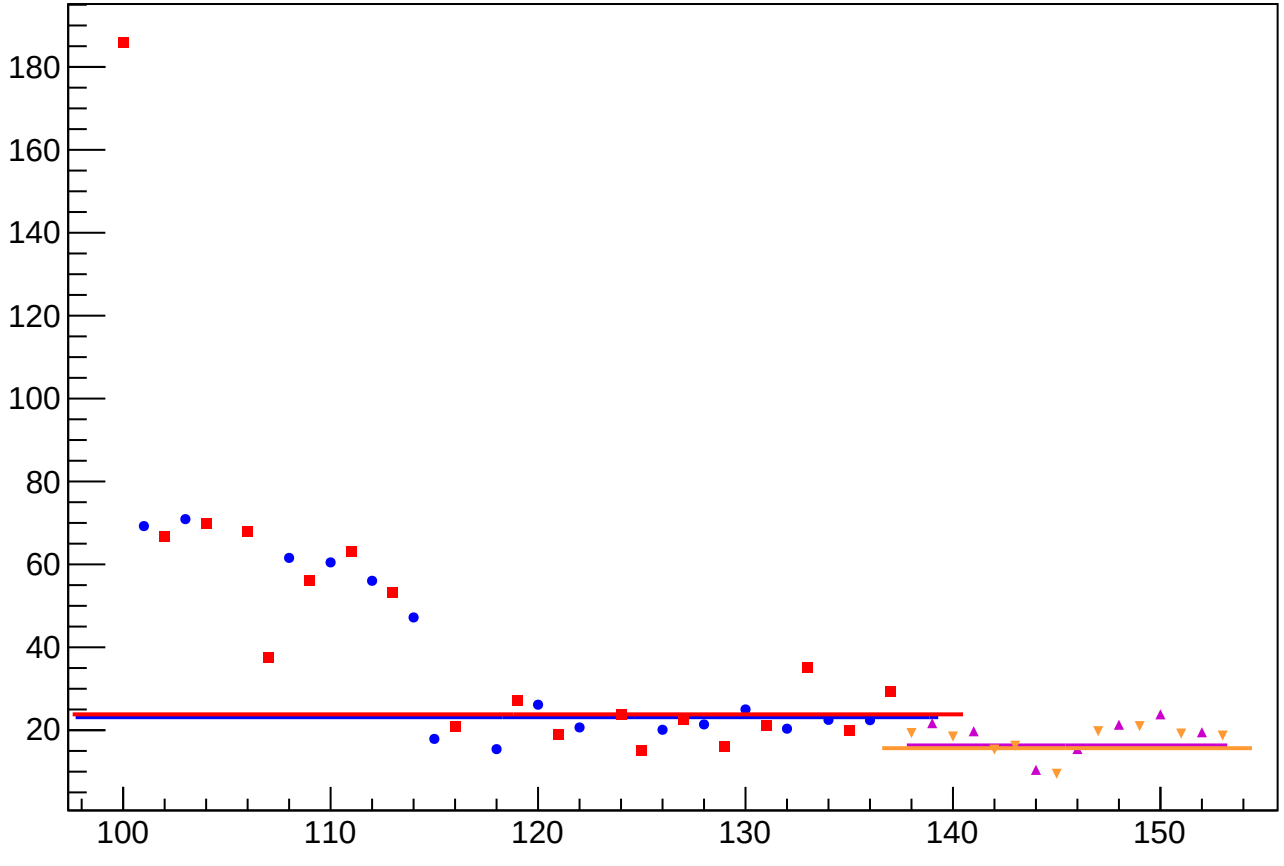
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.006 χ^2/NDF:26.0/22

Out: 0.000+/-0.005 χ^2/NDF:25.8/27

All: 0.002+/-0.004 χ^2/NDF: 52.3/50

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 15.665+/-0.004 χ^2/NDF:962262.2/8

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 16.322+/-0.005 χ^2/NDF:966076.0/6

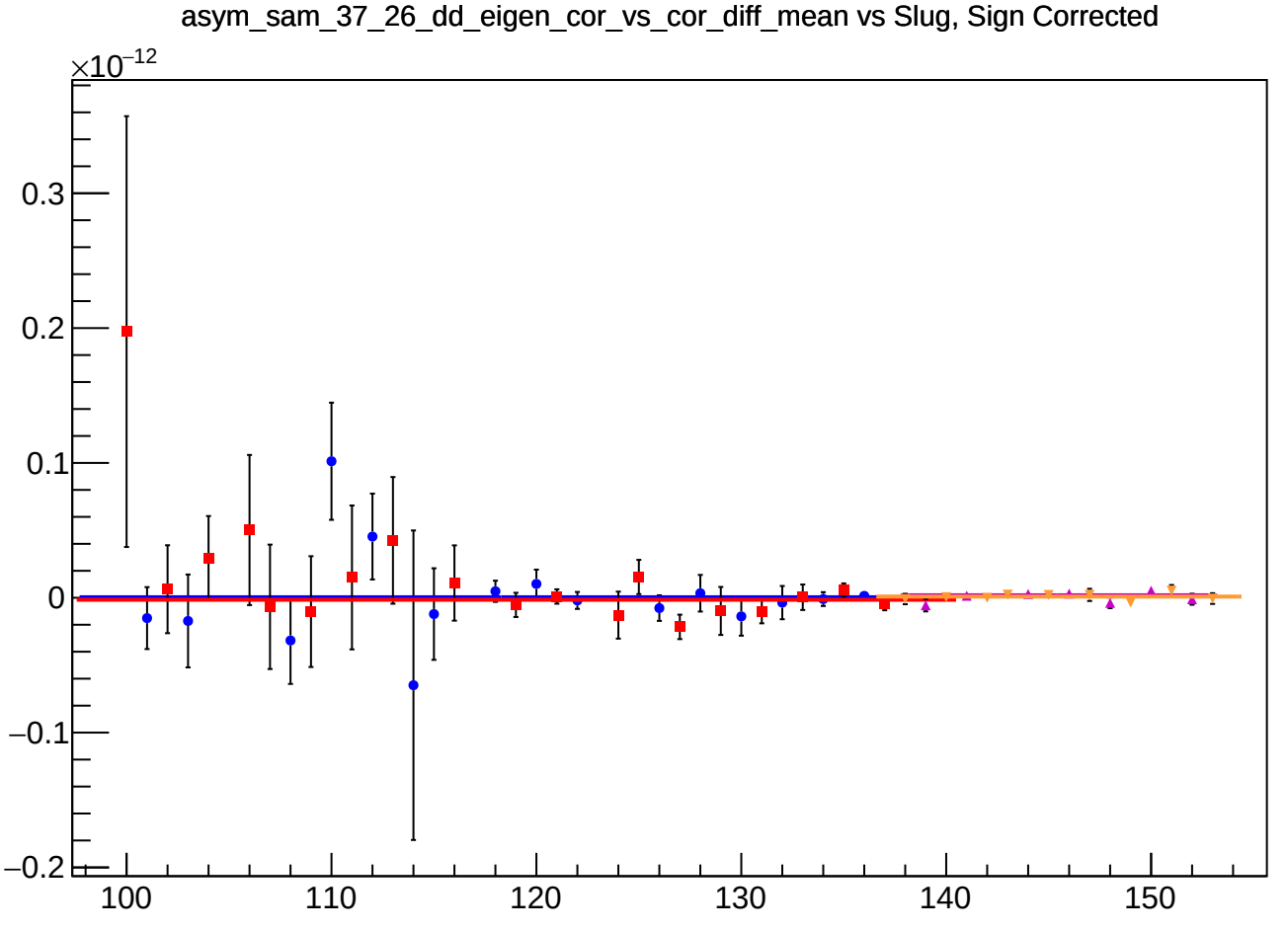
Left: 15.948+/-0.003 χ^2/NDF: 1937808.3/15

Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 18.698+/-0.004 χ^2/NDF:3998165.1/22

Out: 17.944+/-0.004 χ^2/NDF:4807868.0/27

All: 18.288+/-0.003 χ^2/NDF: 8824358.8/50



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:4.0/8

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:7.3/6

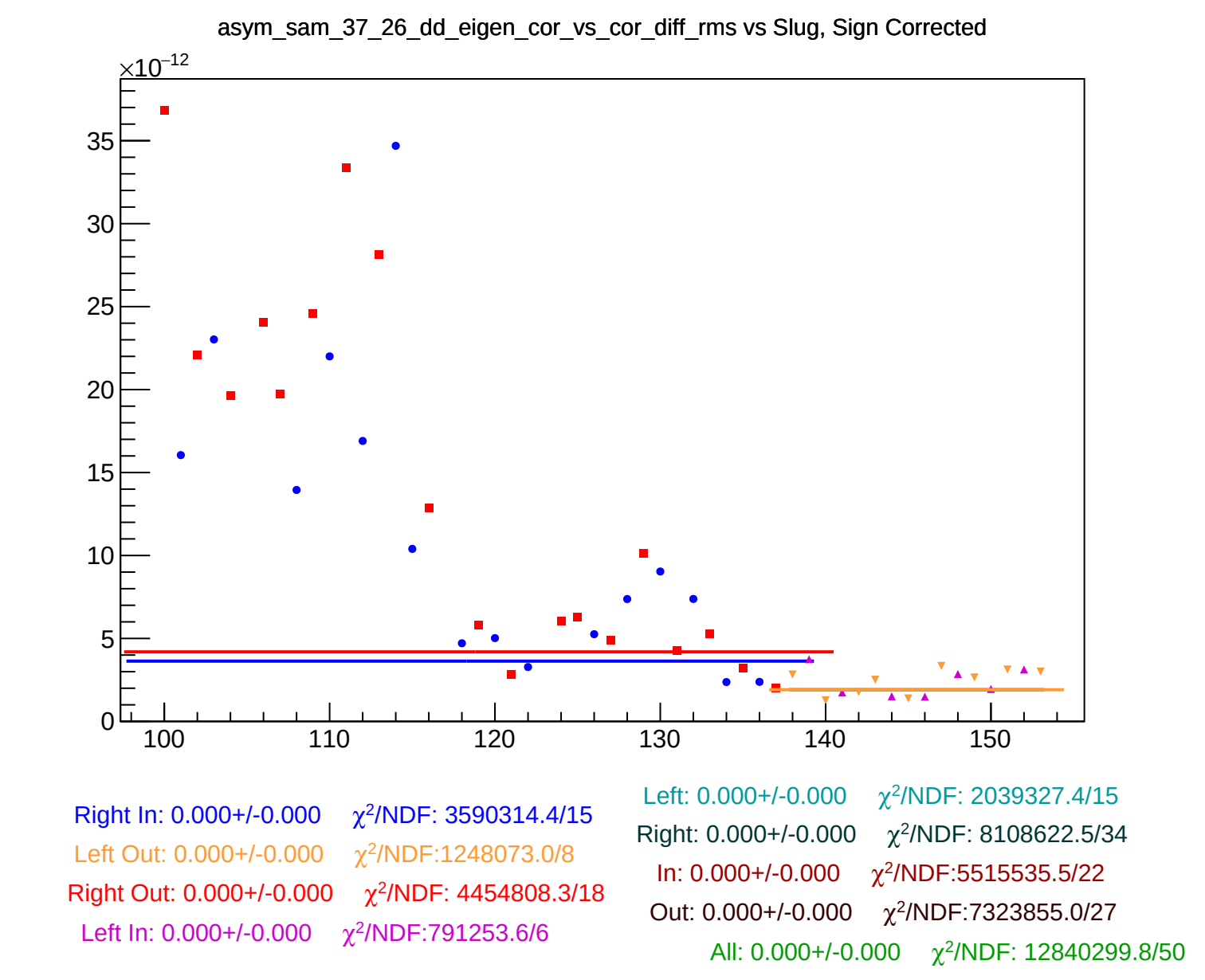
Left: 0.000+/-0.000 χ^2/NDF: 11.9/15

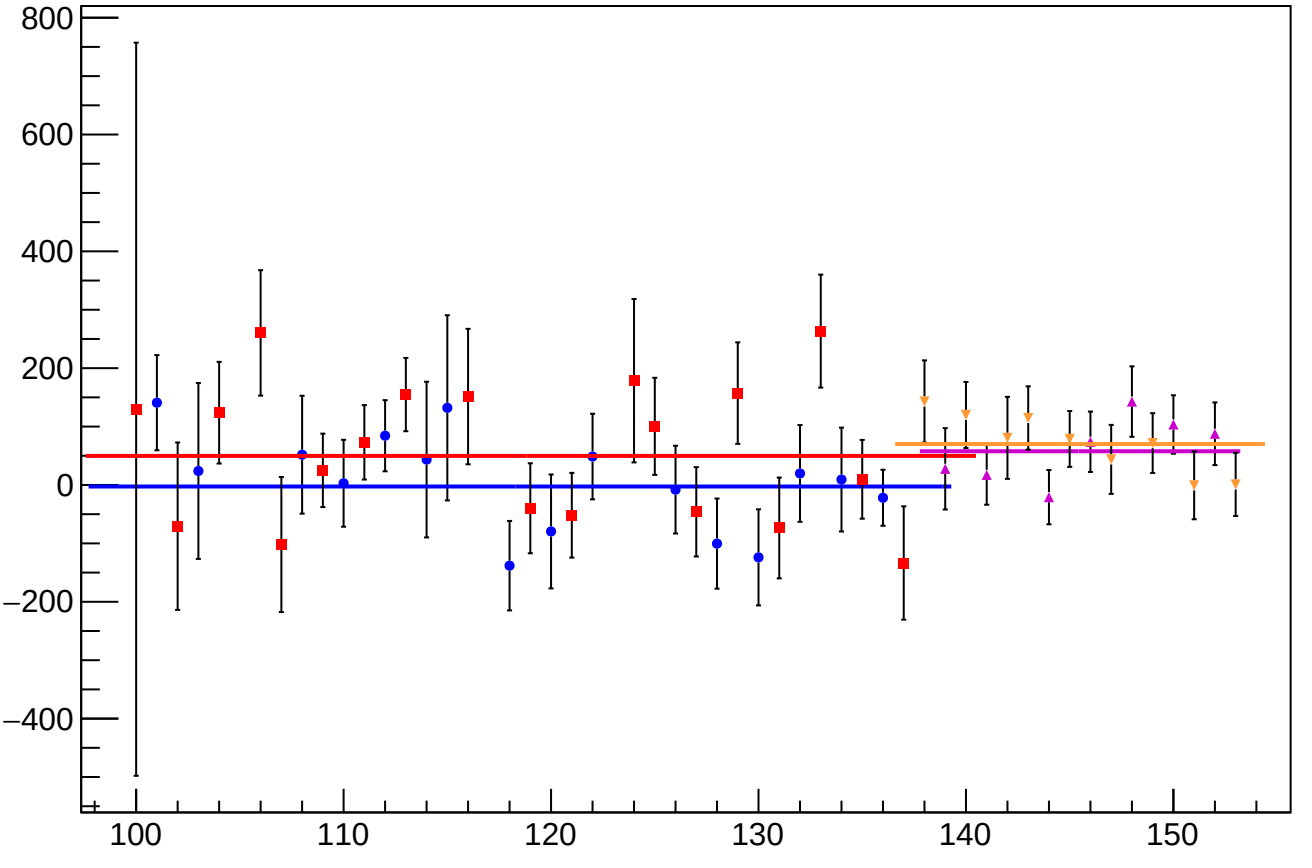
Right: -0.000+/-0.000 χ^2/NDF: 28.9/34

In: 0.000+/-0.000 χ^2/NDF:20.7/22

Out: 0.000+/-0.000 χ^2/NDF:20.4/27

All: 0.000+/-0.000 χ^2/NDF: 41.8/50


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 3590314.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1248073.0/8
Right Out: 0.000+/-0.000 χ²/NDF: 4454808.3/18
Left In: 0.000+/-0.000 χ²/NDF:791253.6/6
Left: 0.000+/-0.000 χ²/NDF: 2039327.4/15
Right: 0.000+/-0.000 χ²/NDF: 8108622.5/34
In: 0.000+/-0.000 χ²/NDF:5515535.5/22
Out: 0.000+/-0.000 χ²/NDF:7323855.0/27
All: 0.000+/-0.000 χ²/NDF: 12840299.8/50



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 70.046+/-18.890 χ^2/NDF:5.9/8

Right Out: 49.810+/-19.621 χ^2/NDF: 29.4/18

Left In: 57.754+/-20.210 χ^2/NDF:6.9/6

Left: 64.315+/-13.800 χ^2/NDF: 13.0/15

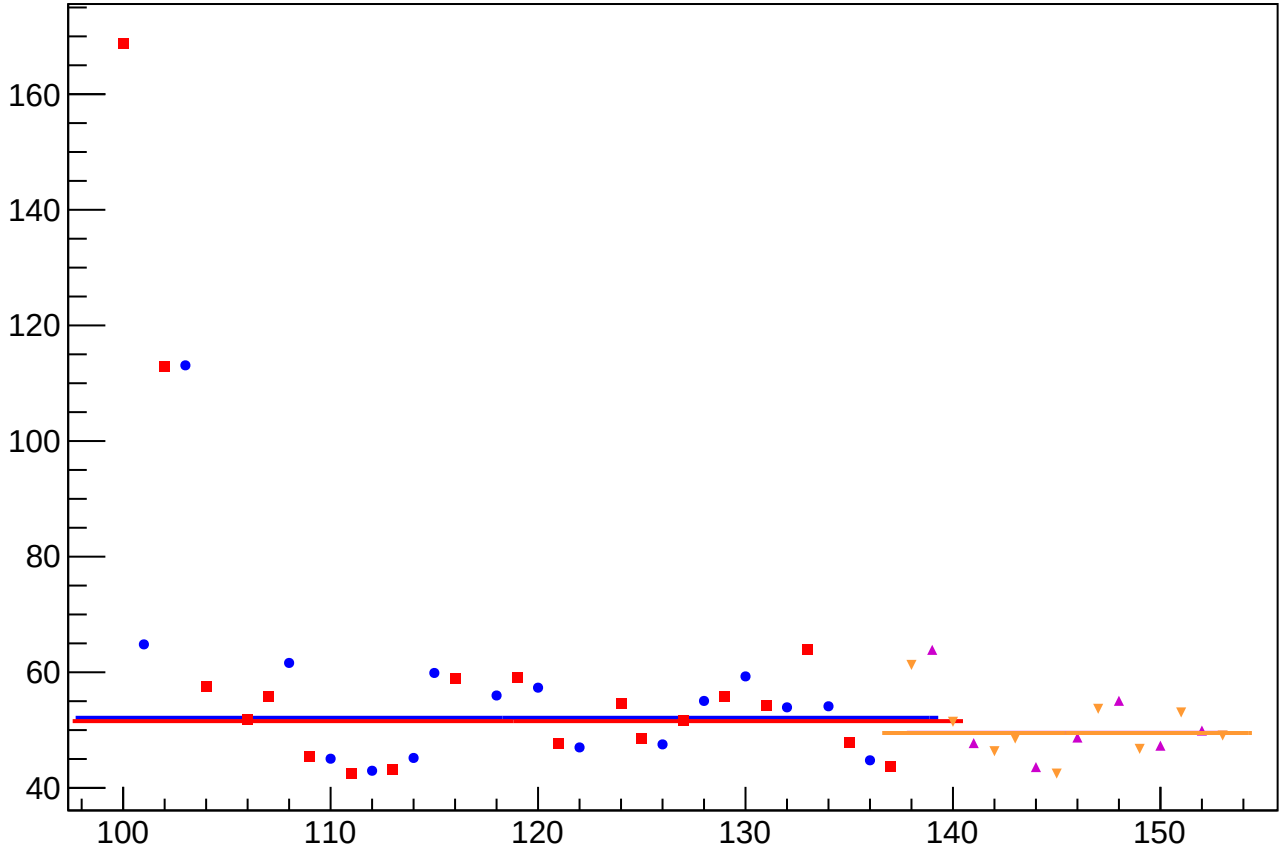
Right: 24.091+/-14.004 χ^2/NDF: 47.4/34

In: 27.247+/-14.214 χ^2/NDF:26.0/22

Out: 60.312+/-13.608 χ^2/NDF:35.8/27

All: 44.499+/-9.830 χ^2/NDF: 64.6/50

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 49.496+/-0.013 χ^2/NDF:129565.3/8

Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 49.526+/-0.014 χ^2/NDF:141289.9/6

Left: 49.510+/-0.010 χ^2/NDF: 270857.5/15

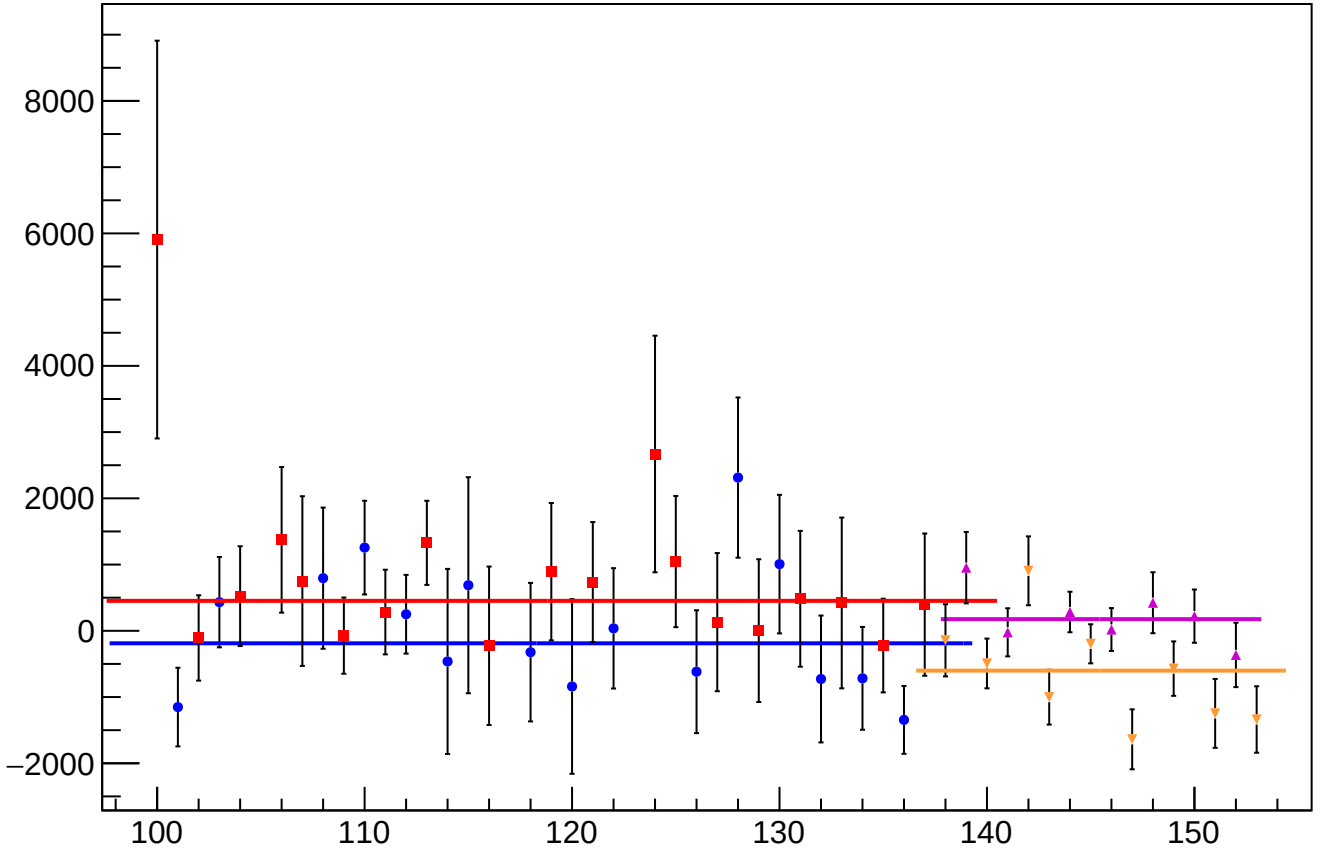
Right: 51.834+/-0.010 χ^2/NDF: 1203336.1/34

In: 50.841+/-0.010 χ^2/NDF:720966.2/22

Out: 50.484+/-0.010 χ^2/NDF:780499.3/27

All: 50.655+/-0.007 χ^2/NDF: 1502124.2/50

asym_sam_1357_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -601.119+/-141.452 χ^2/NDF:21.0/8

Right Out: 452.540+/-203.918 χ^2/NDF: 11.3/18

Left In: 176.057+/-146.816 χ^2/NDF:4.3/6

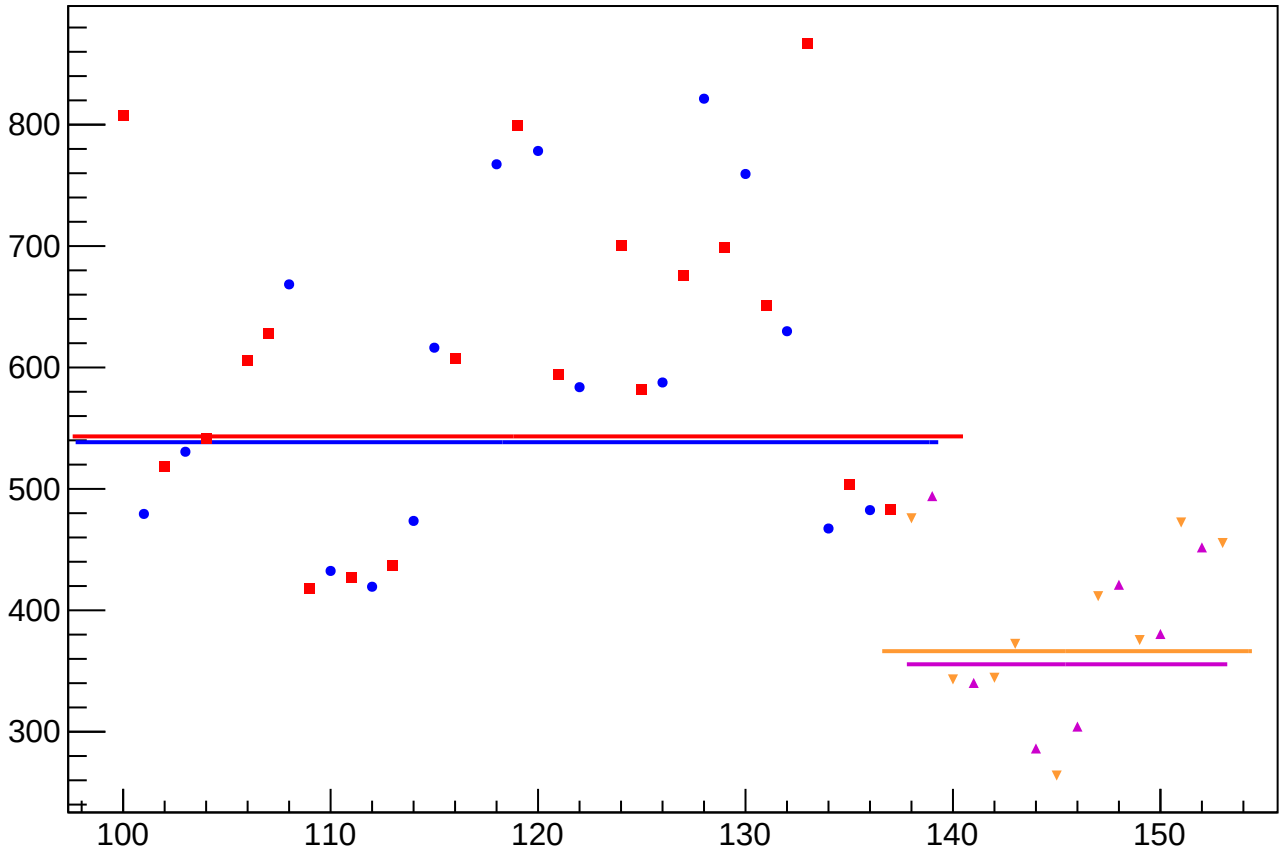
Left: -226.985+/-101.865 χ^2/NDF: 39.8/15

Right: 134.950+/-144.856 χ^2/NDF: 37.6/34

In: 53.088+/-119.522 χ^2/NDF:27.7/22

Out: -258.823+/-116.227 χ^2/NDF:50.3/27

All: -107.226+/-83.325 χ^2/NDF: 81.5/50



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 366.358+/-0.100 χ^2/NDF:500979.8/8

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

Left In: 355.549+/-0.104 χ^2/NDF:415250.5/6

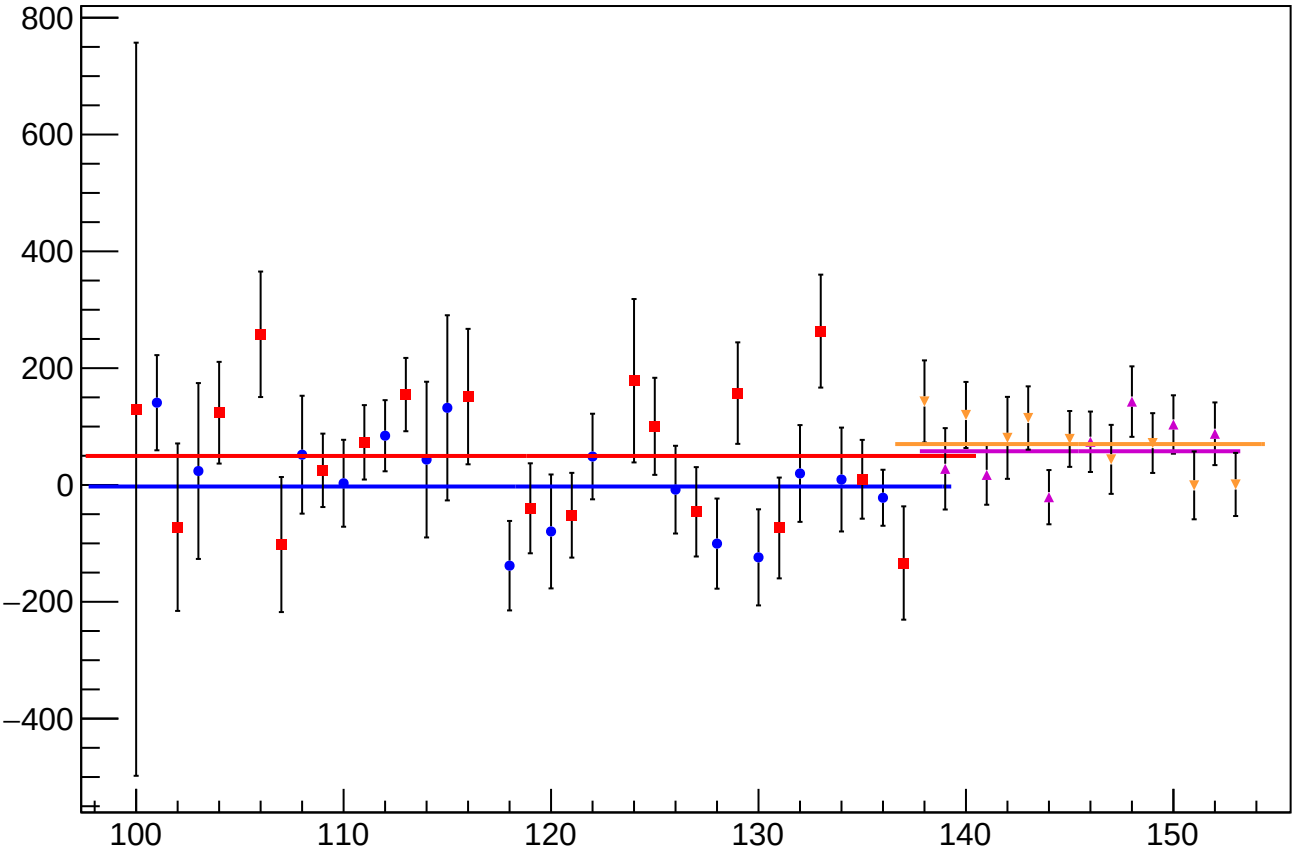
Left: 361.155+/-0.072 χ^2/NDF: 921851.7/15

Right: 540.877+/-0.102 χ^2/NDF: 1251653.7/34

In: 417.239+/-0.085 χ^2/NDF:2076265.8/22

Out: 423.821+/-0.082 χ^2/NDF:2154080.0/27

All: 420.622+/-0.059 χ^2/NDF: 4233463.2/50



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 70.050+/-18.890 χ^2/NDF:5.9/8

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 57.755+/-20.210 χ^2/NDF:6.9/6

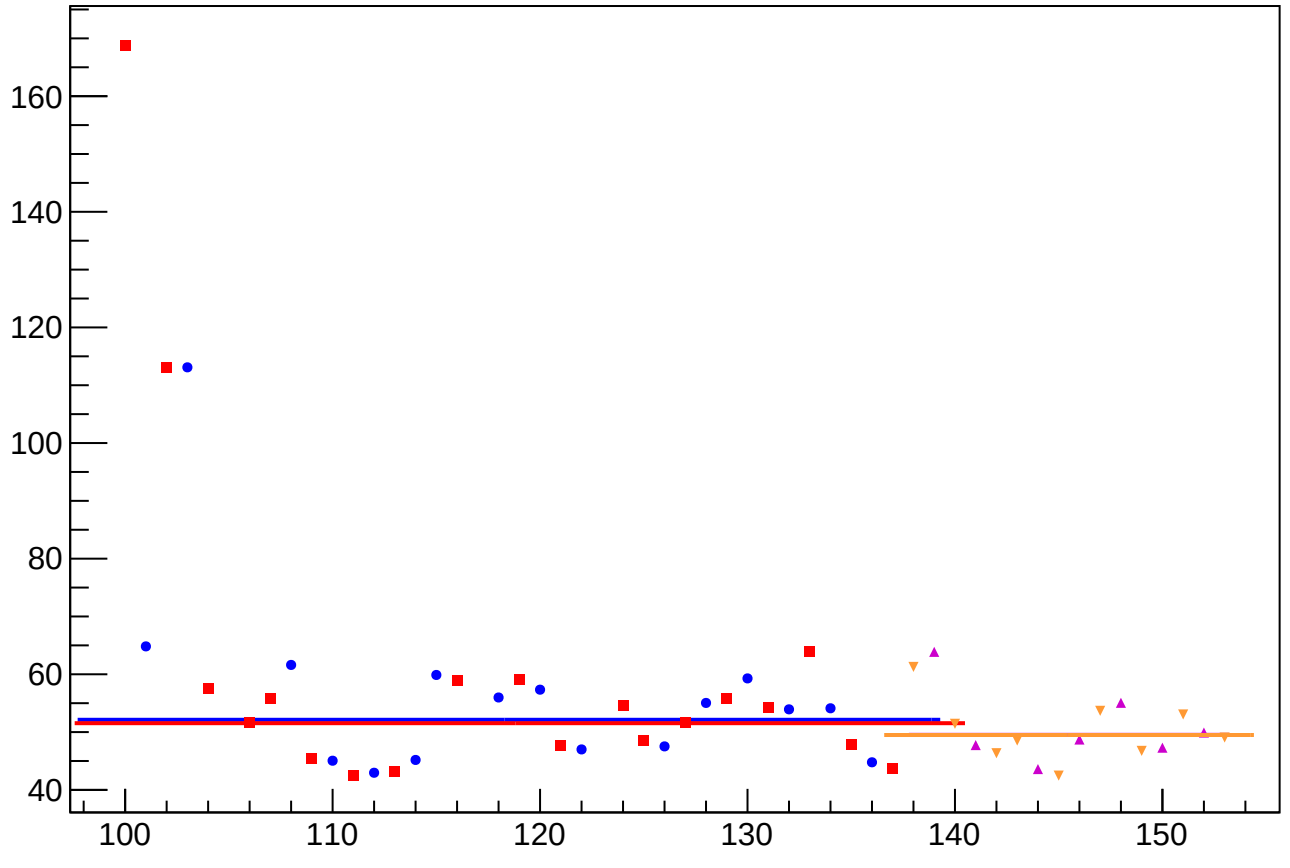
Left: 64.317+/-13.800 χ^2/NDF: 13.0/15

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 27.245+/-14.214 χ^2/NDF:26.0/22

Out: 60.259+/-13.608 χ^2/NDF:35.7/27

All: 44.470+/-9.830 χ^2/NDF: 64.6/50



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.496+/-0.013 χ^2/NDF:129565.3/8

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.526+/-0.014 χ^2/NDF:141289.9/6

Left: 49.510+/-0.010 χ^2/NDF: 270857.5/15

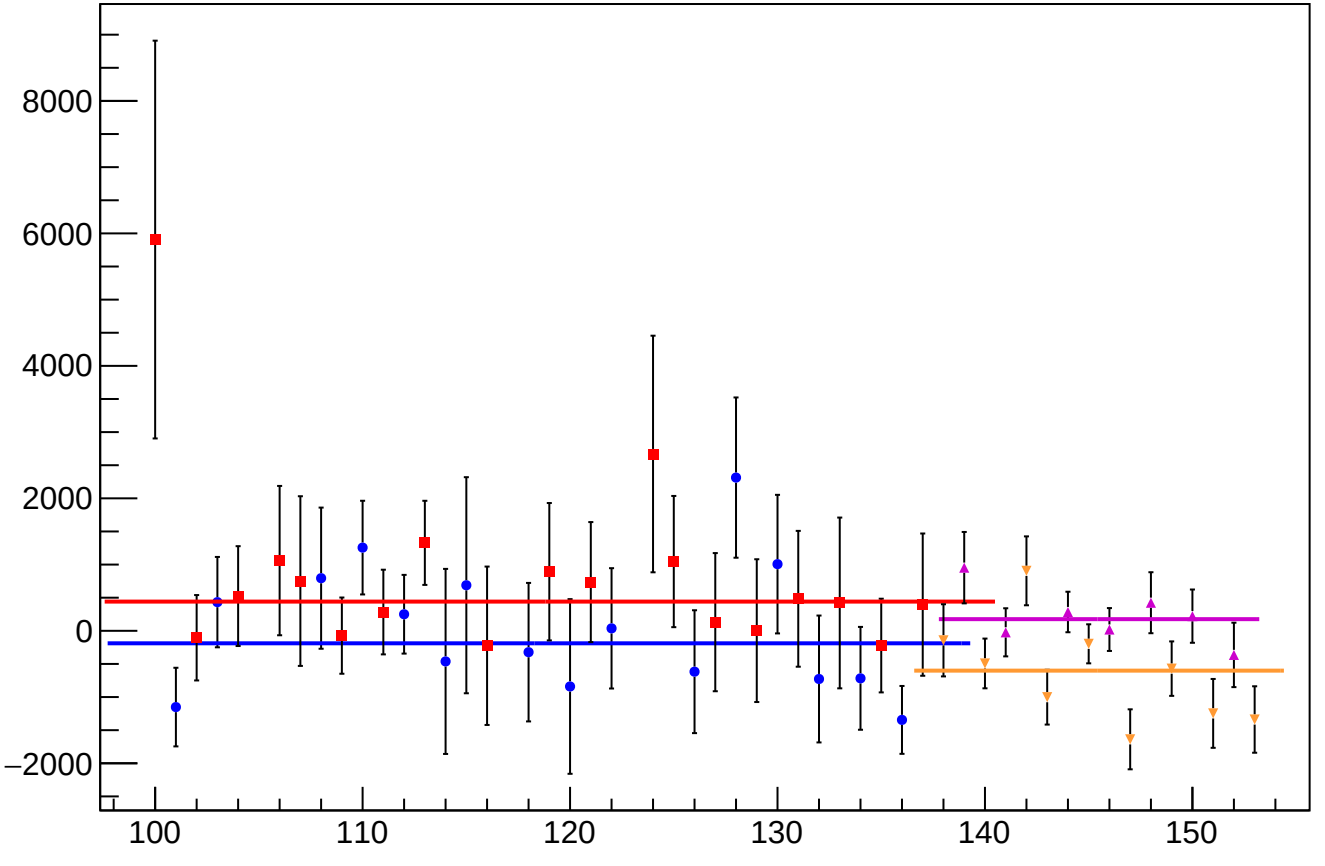
Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.841+/-0.010 χ^2/NDF:720968.5/22

Out: 50.479+/-0.010 χ^2/NDF:780604.9/27

All: 50.652+/-0.007 χ^2/NDF: 1502250.6/50

asym_sam_1357_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -601.115+/-141.452 χ^2/NDF:21.0/8

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 176.061+/-146.816 χ^2/NDF:4.3/6

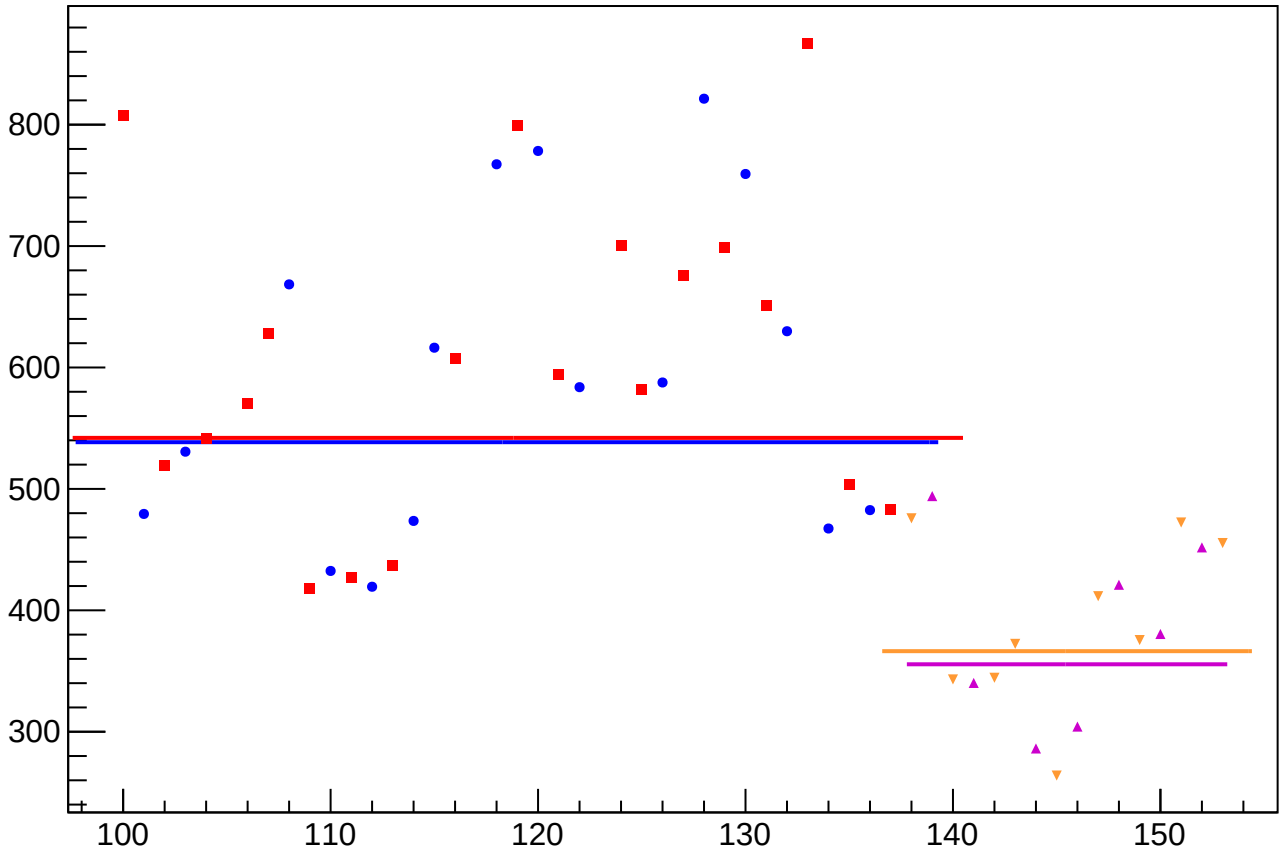
Left: -226.982+/-101.865 χ^2/NDF: 39.8/15

Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 53.099+/-119.522 χ^2/NDF:27.7/22

Out: -262.946+/-116.262 χ^2/NDF:49.5/27

All: -109.292+/-83.338 χ^2/NDF: 80.8/50



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 366.358+/-0.100 χ^2/NDF:500983.0/8

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 355.549+/-0.104 χ^2/NDF:415250.1/6

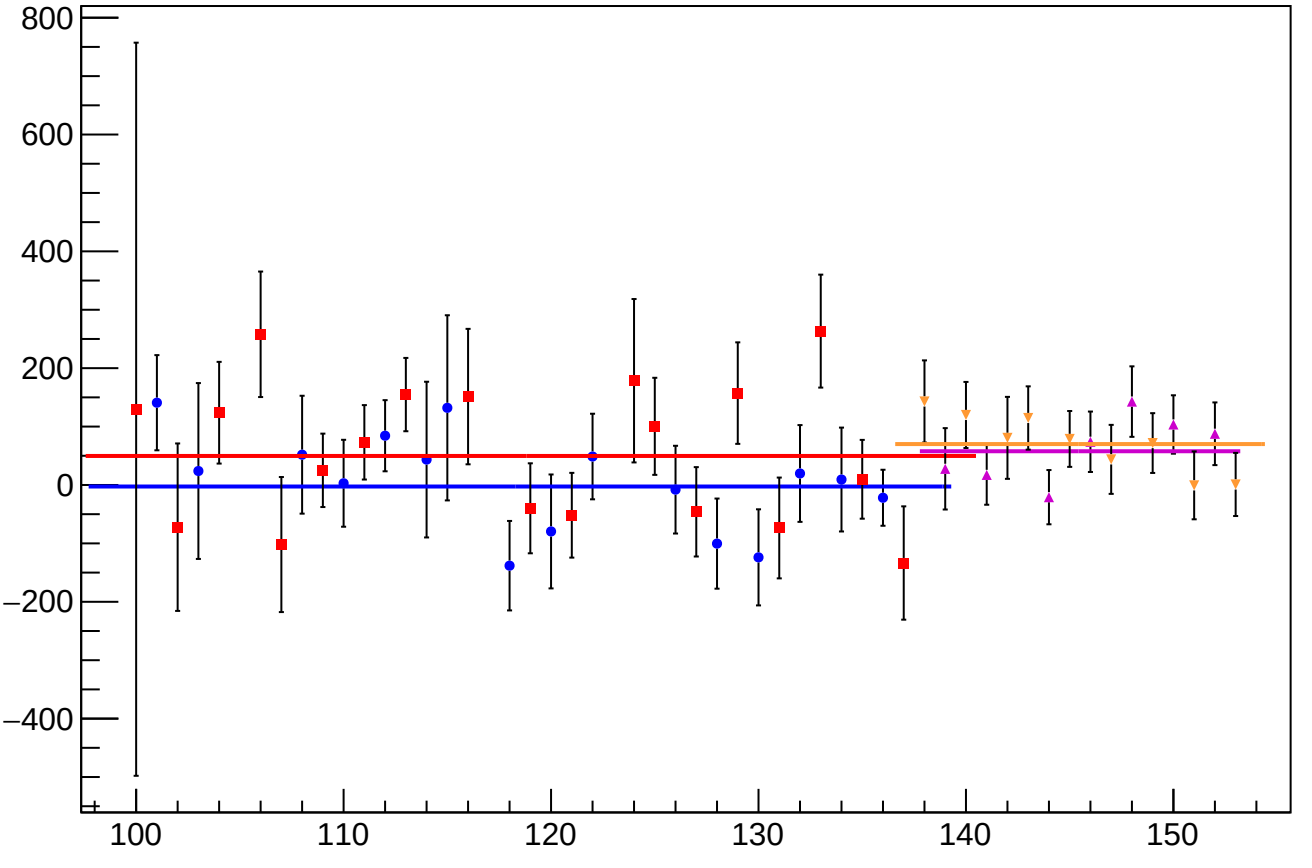
Left: 361.155+/-0.072 χ^2/NDF: 921854.3/15

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 417.240+/-0.085 χ^2/NDF:2076308.2/22

Out: 423.353+/-0.082 χ^2/NDF:2133324.3/27

All: 420.381+/-0.059 χ^2/NDF: 4212320.5/50



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 70.050+/-18.890 χ^2/NDF:5.9/8

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 57.755+/-20.210 χ^2/NDF:6.9/6

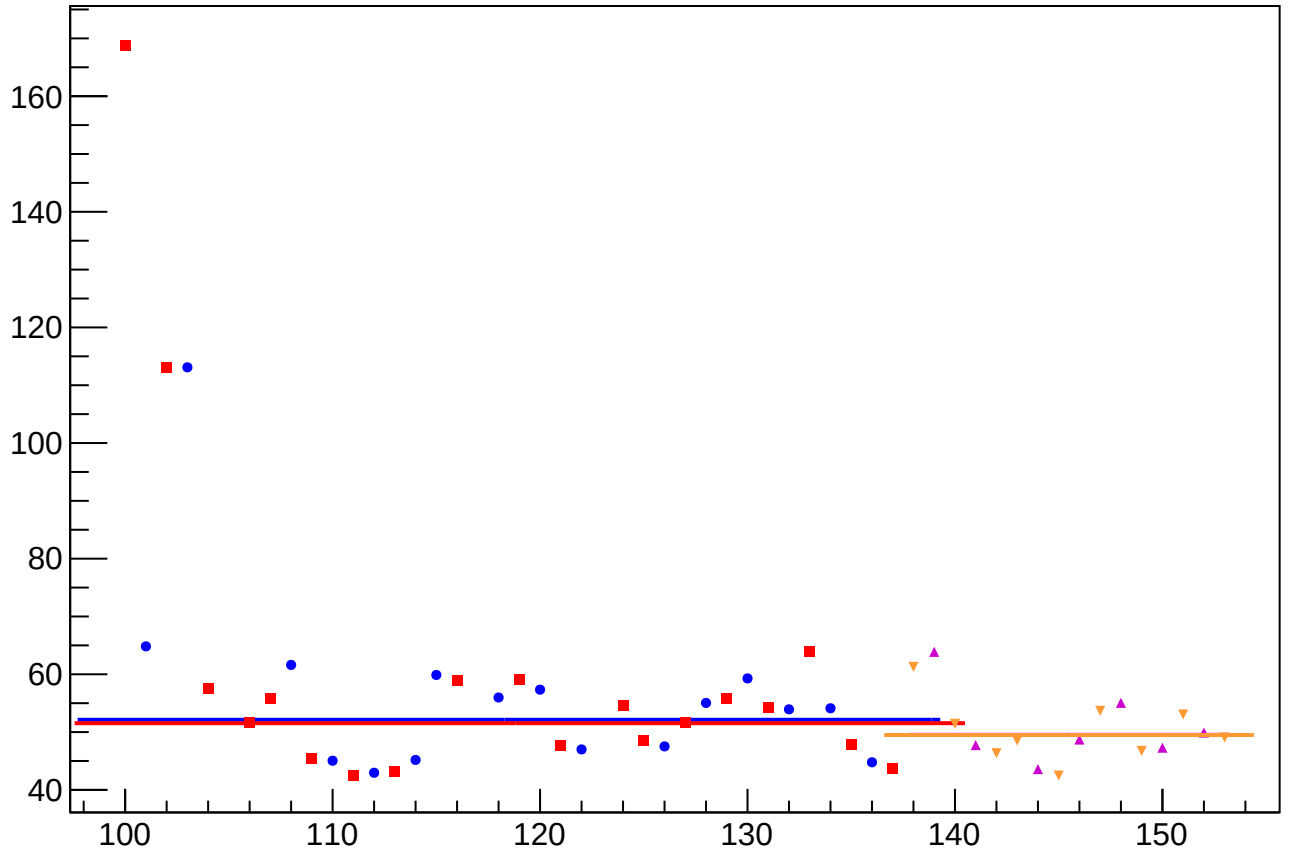
Left: 64.317+/-13.800 χ^2/NDF: 13.0/15

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 27.245+/-14.214 χ^2/NDF:26.0/22

Out: 60.259+/-13.608 χ^2/NDF:35.7/27

All: 44.470+/-9.830 χ^2/NDF: 64.6/50



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 49.496+/-0.013 χ^2/NDF:129565.3/8

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.526+/-0.014 χ^2/NDF:141289.9/6

Left: 49.510+/-0.010 χ^2/NDF: 270857.5/15

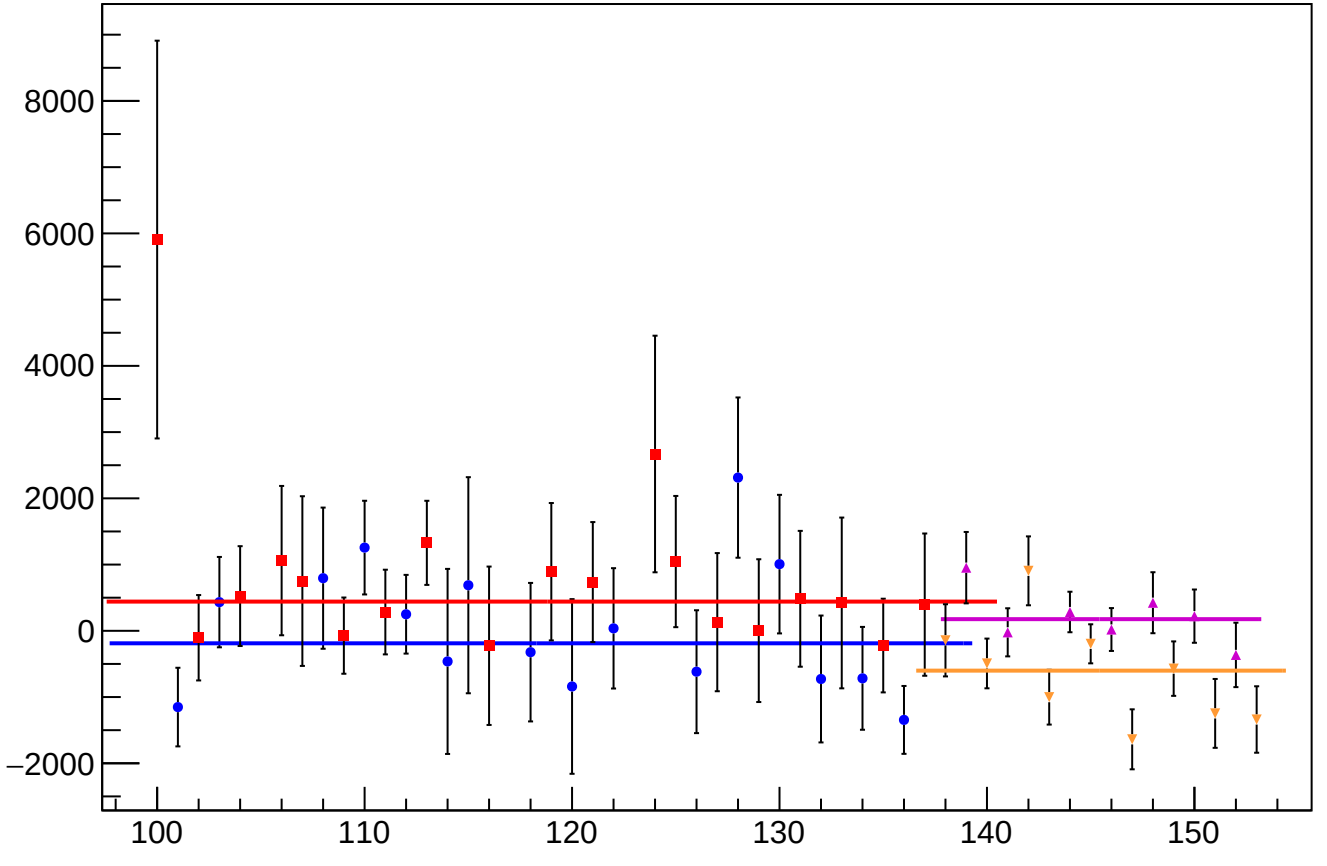
Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.841+/-0.010 χ^2/NDF:720968.5/22

Out: 50.479+/-0.010 χ^2/NDF:780604.9/27

All: 50.652+/-0.007 χ^2/NDF: 1502250.6/50

asym_sam_1357_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -601.115+/-141.452 χ^2/NDF:21.0/8

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 176.061+/-146.816 χ^2/NDF:4.3/6

Left: -226.982+/-101.865 χ^2/NDF: 39.8/15

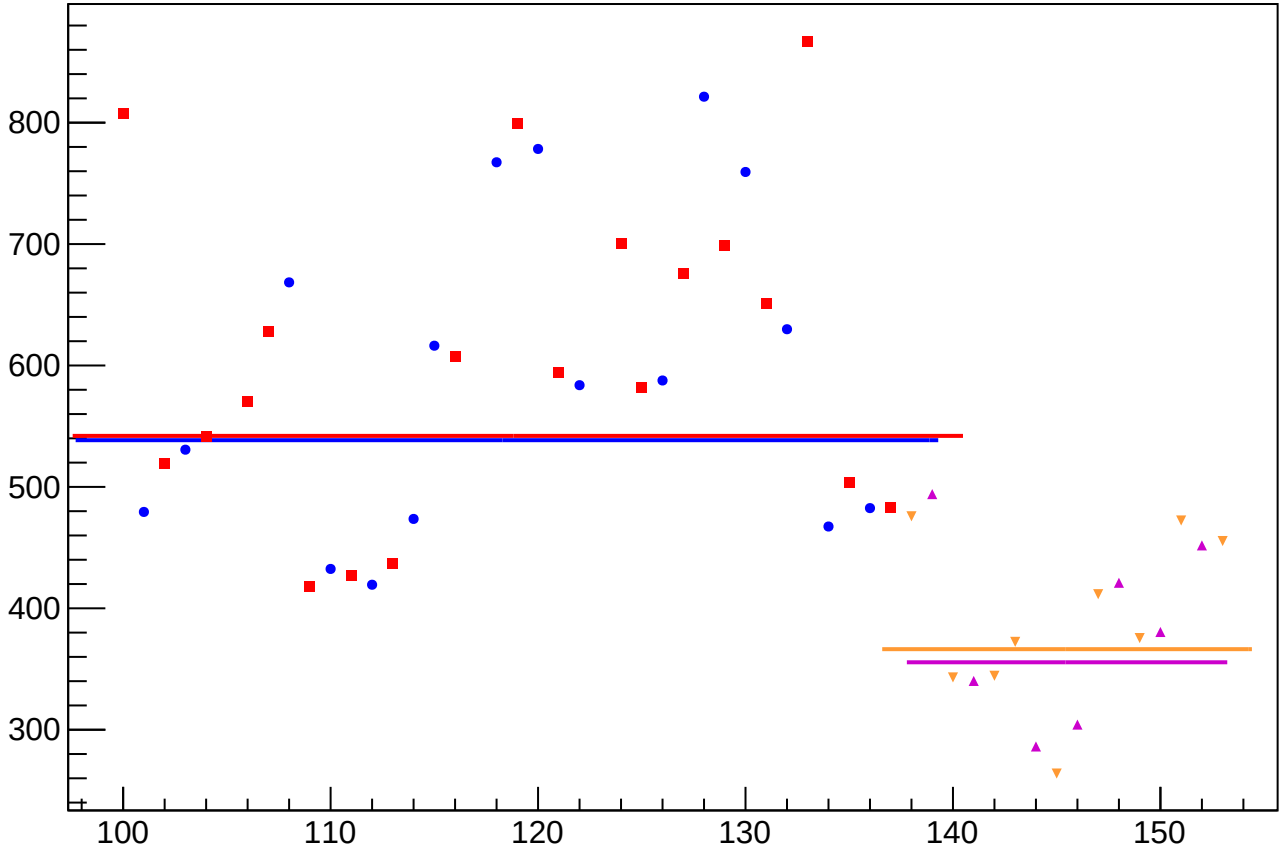
Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 53.099+/-119.522 χ^2/NDF:27.7/22

Out: -262.946+/-116.262 χ^2/NDF:49.5/27

All: -109.292+/-83.338 χ^2/NDF: 80.8/50

asym_sam_1357_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 366.358+/-0.100 χ^2/NDF:500983.0/8

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 355.549+/-0.104 χ^2/NDF:415250.1/6

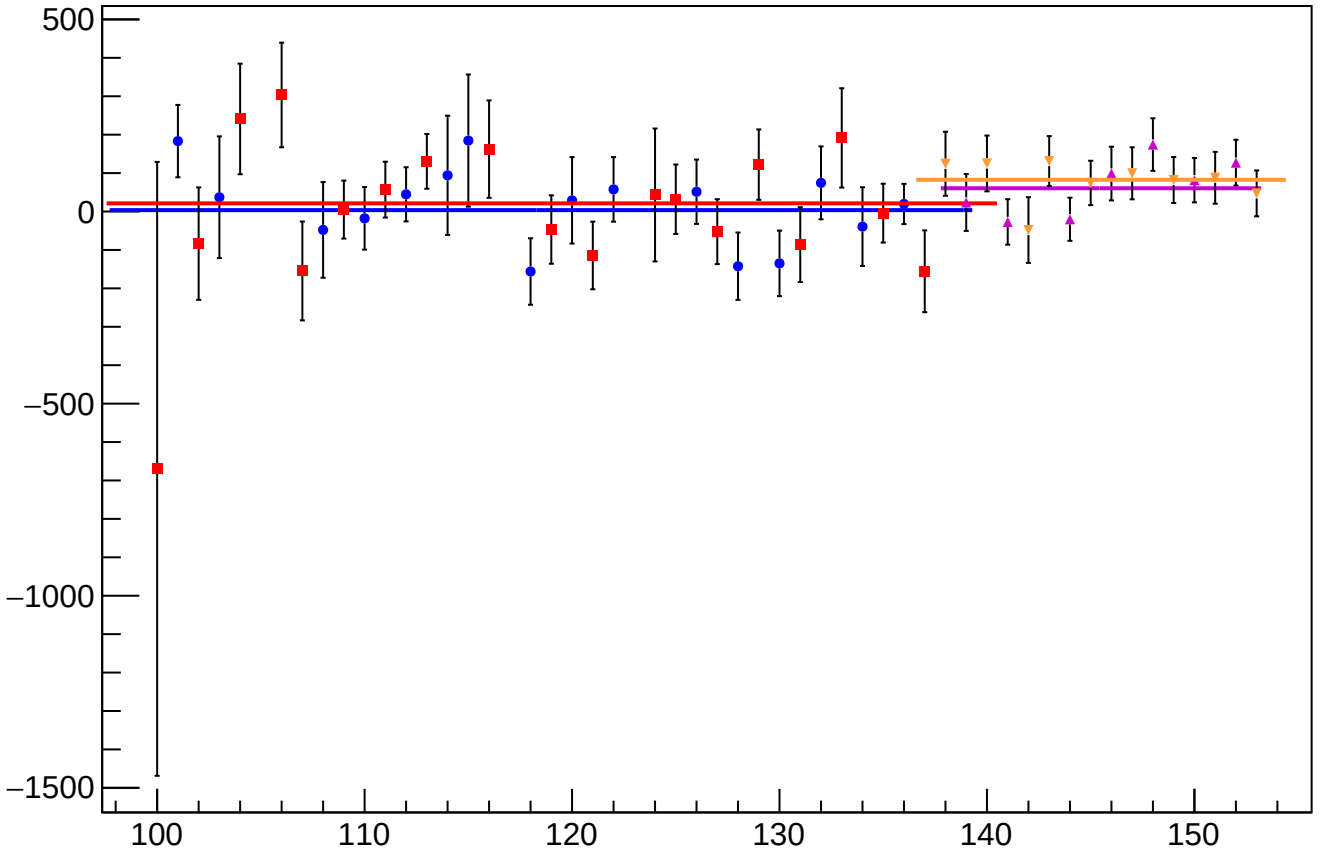
Left: 361.155+/-0.072 χ^2/NDF: 921854.3/15

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 417.240+/-0.085 χ^2/NDF:2076308.2/22

Out: 423.353+/-0.082 χ^2/NDF:2133324.3/27

All: 420.381+/-0.059 χ^2/NDF: 4212320.5/50



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 82.579+/-22.328 χ^2/NDF:3.9/8

Right Out: 21.253+/-22.769 χ^2/NDF: 24.4/18

Left In: 60.493+/-23.666 χ^2/NDF:9.0/6

Left: 72.178+/-16.241 χ^2/NDF: 13.4/15

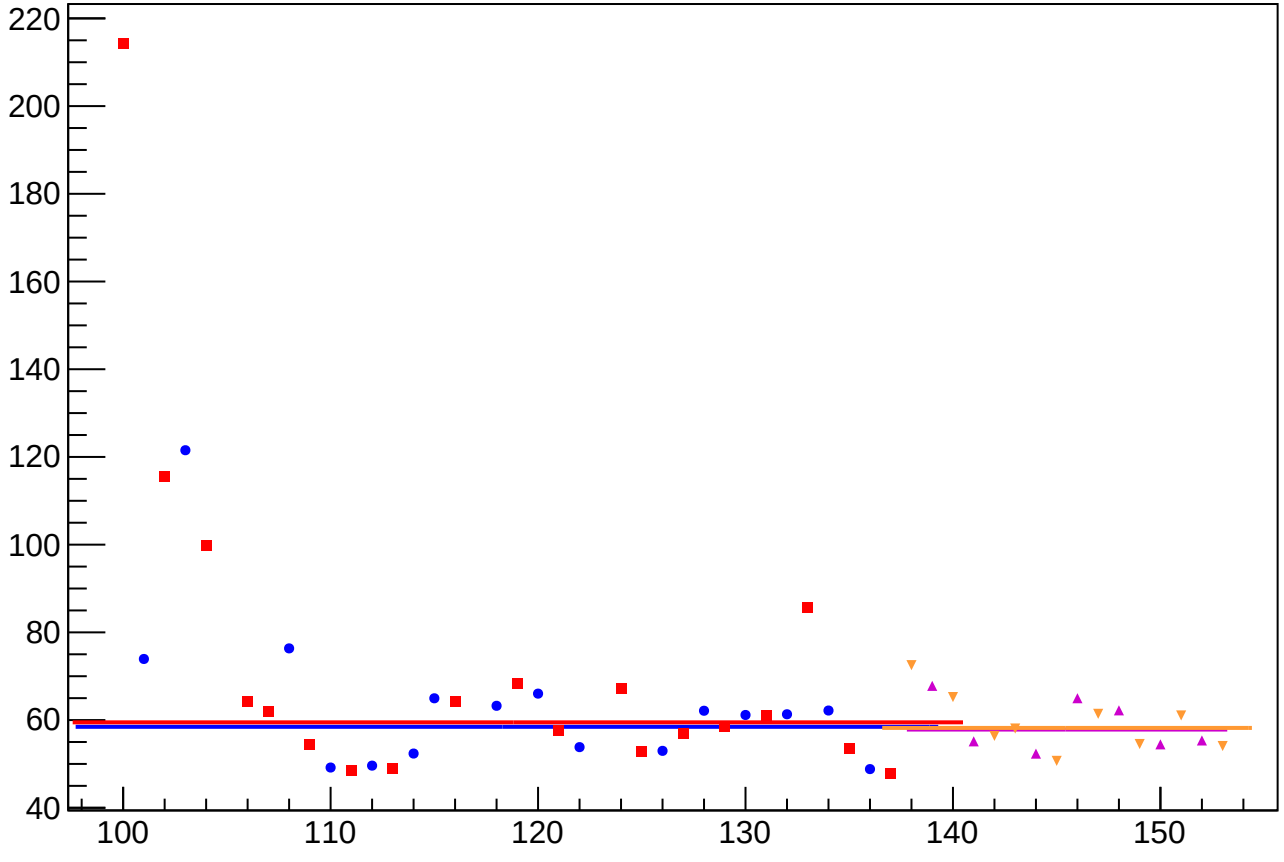
Right: 12.313+/-15.997 χ^2/NDF: 40.9/34

In: 30.583+/-16.299 χ^2/NDF:28.1/22

Out: 52.515+/-15.942 χ^2/NDF:32.1/27

All: 41.792+/-11.397 χ^2/NDF: 61.1/50

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 58.210+/-0.016 χ^2/NDF:137615.1/8

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

Left In: 57.836+/-0.017 χ^2/NDF:98881.3/6

Left: 58.034+/-0.011 χ^2/NDF: 236760.6/15

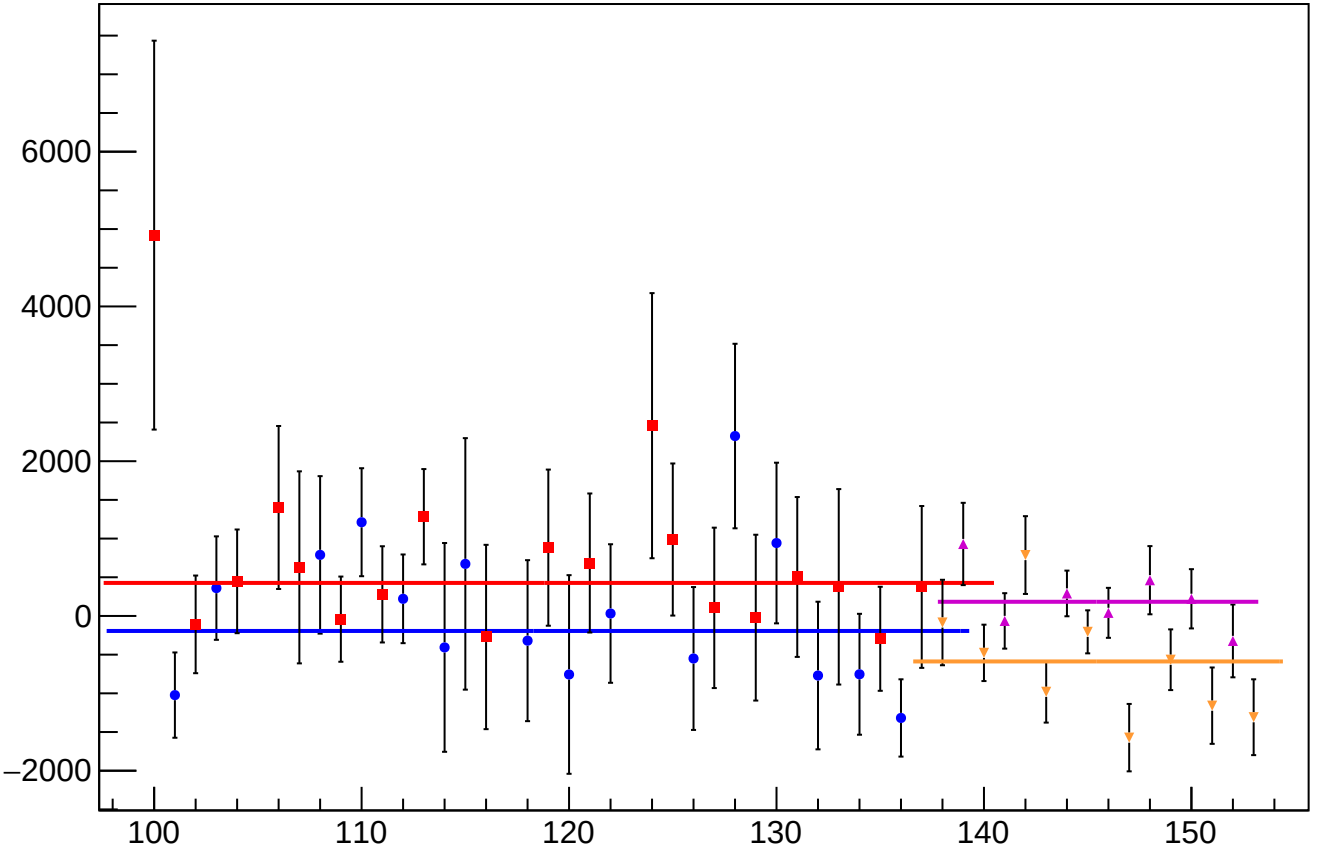
Right: 58.968+/-0.011 χ^2/NDF: 1369891.4/34

In: 58.167+/-0.012 χ^2/NDF:682608.3/22

Out: 58.835+/-0.011 χ^2/NDF:925685.5/27

All: 58.508+/-0.008 χ^2/NDF: 1610009.2/50

asym_sam_1357_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -587.831+/-136.003 χ^2/NDF:19.9/8

Right Out: 426.977+/-197.005 χ^2/NDF: 11.3/18

Left In: 183.203+/-143.022 χ^2/NDF:4.3/6

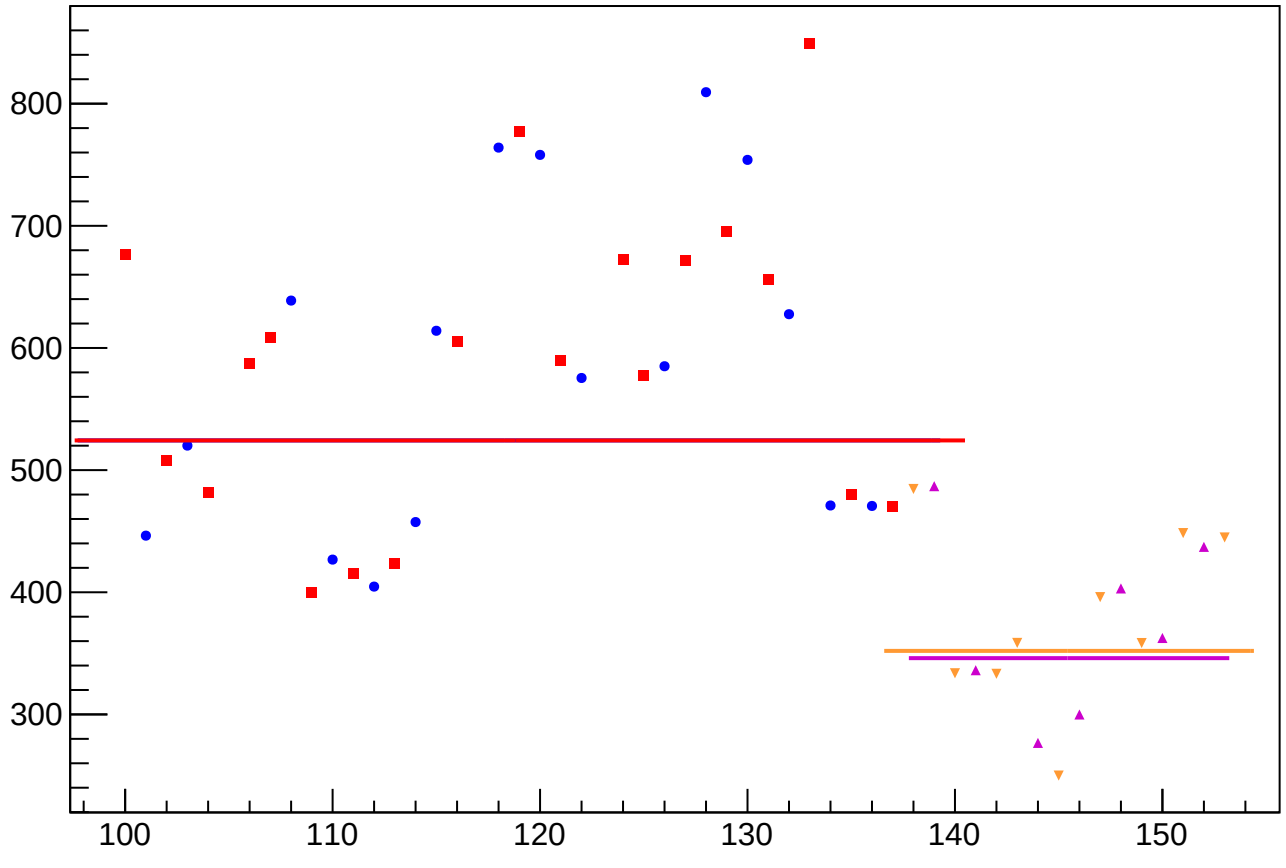
Left: -221.699+/-98.557 χ^2/NDF: 39.5/15

Right: 122.158+/-140.559 χ^2/NDF: 37.0/34

In: 56.116+/-116.455 χ^2/NDF:27.5/22

Out: -260.289+/-111.923 χ^2/NDF:49.2/27

All: -108.363+/-80.696 χ^2/NDF: 80.5/50



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 352.014+/-0.096 χ^2/NDF:562258.9/8

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

Left In: 346.069+/-0.101 χ^2/NDF:405350.8/6

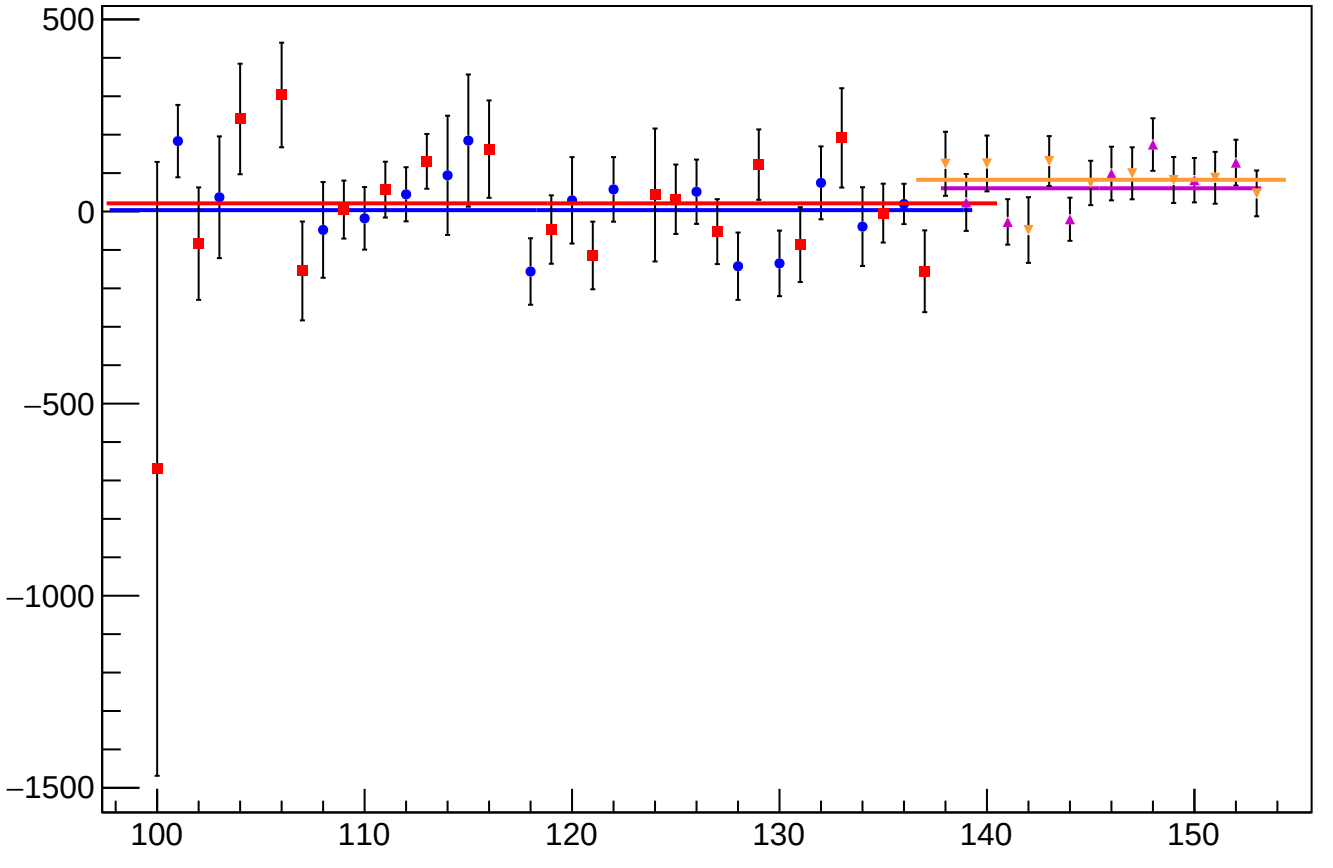
Left: 349.191+/-0.070 χ^2/NDF: 969424.1/15

Right: 524.316+/-0.099 χ^2/NDF: 1344549.7/34

In: 406.143+/-0.082 χ^2/NDF:2110858.7/22

Out: 407.623+/-0.079 χ^2/NDF:2284297.4/27

All: 406.913+/-0.057 χ^2/NDF: 4395324.1/50



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 82.579+/-22.328 χ^2/NDF:3.9/8

Right Out: 21.251+/-22.769 χ^2/NDF: 24.4/18

Left In: 60.493+/-23.667 χ^2/NDF:9.0/6

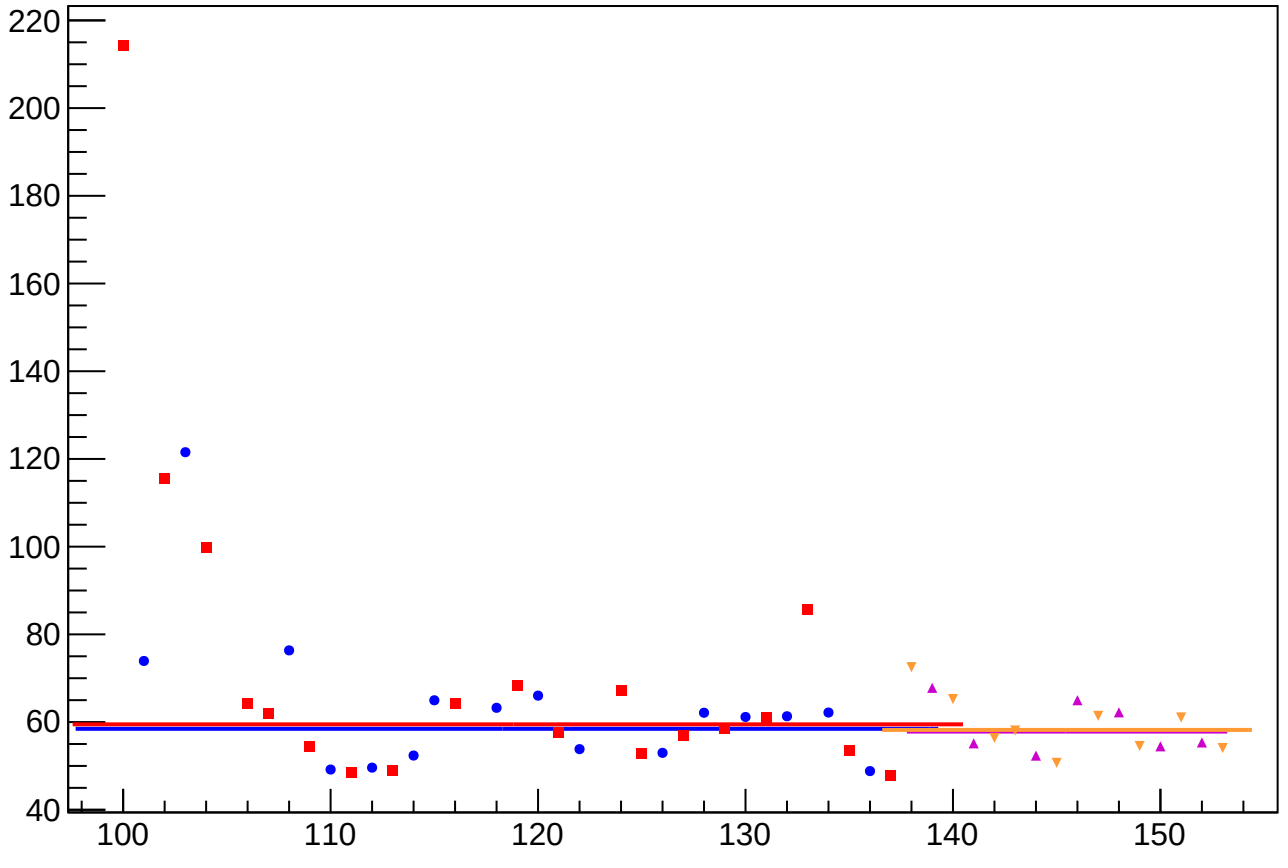
Left: 72.178+/-16.241 χ^2/NDF: 13.4/15

Right: 12.312+/-15.997 χ^2/NDF: 40.9/34

In: 30.583+/-16.299 χ^2/NDF:28.1/22

Out: 52.514+/-15.942 χ^2/NDF:32.1/27

All: 41.792+/-11.397 χ^2/NDF: 61.1/50



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 58.211+/-0.016 χ^2/NDF:137615.2/8

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 57.837+/-0.017 χ^2/NDF:98879.5/6

Left: 58.035+/-0.011 χ^2/NDF: 236759.1/15

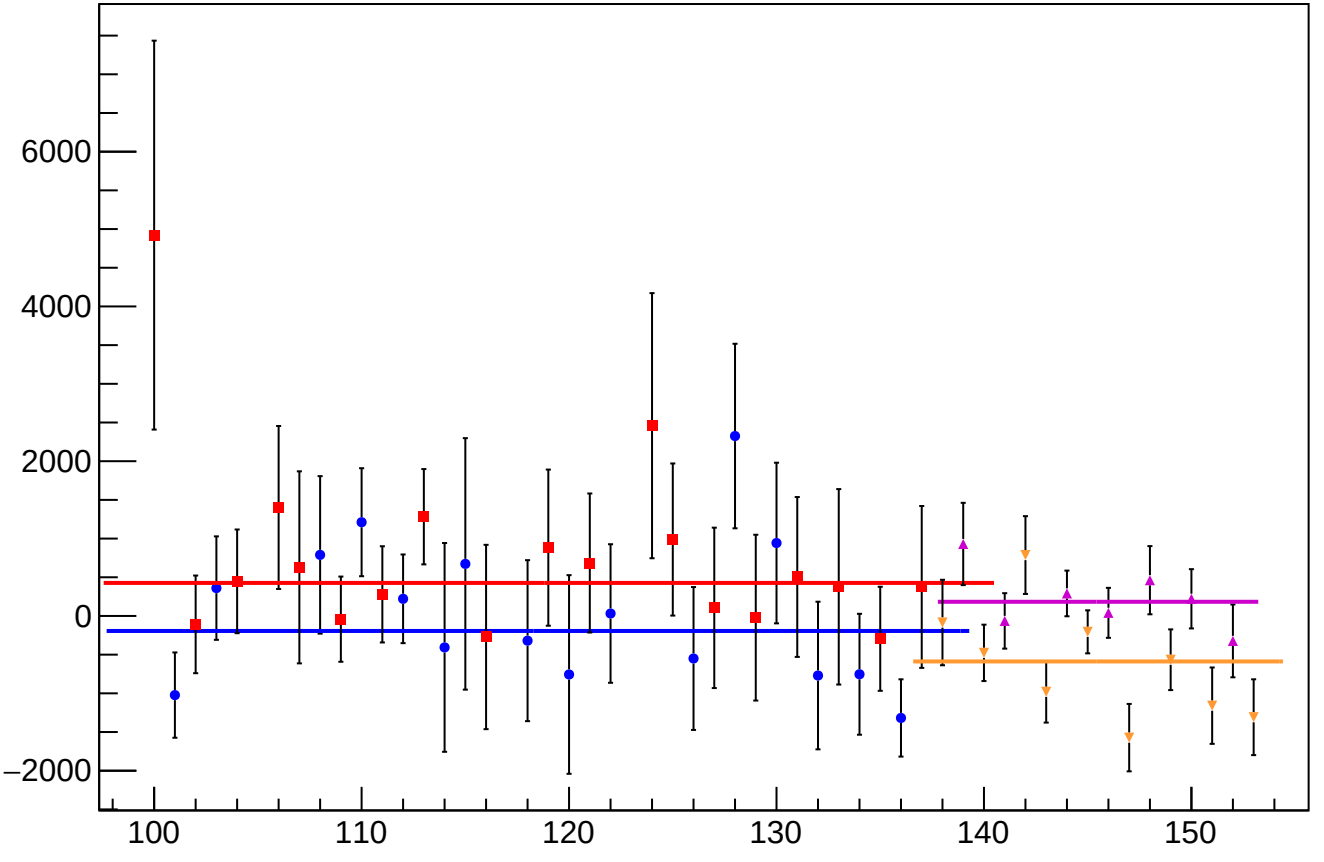
Right: 58.968+/-0.011 χ^2/NDF: 1369888.0/34

In: 58.167+/-0.012 χ^2/NDF:682602.6/22

Out: 58.835+/-0.011 χ^2/NDF:925685.0/27

All: 58.509+/-0.008 χ^2/NDF: 1610003.3/50

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: -587.832+/-136.003 χ^2/NDF:19.9/8

Right Out: 426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: 183.203+/-143.022 χ^2/NDF:4.3/6

Left: -221.700+/-98.557 χ^2/NDF: 39.5/15

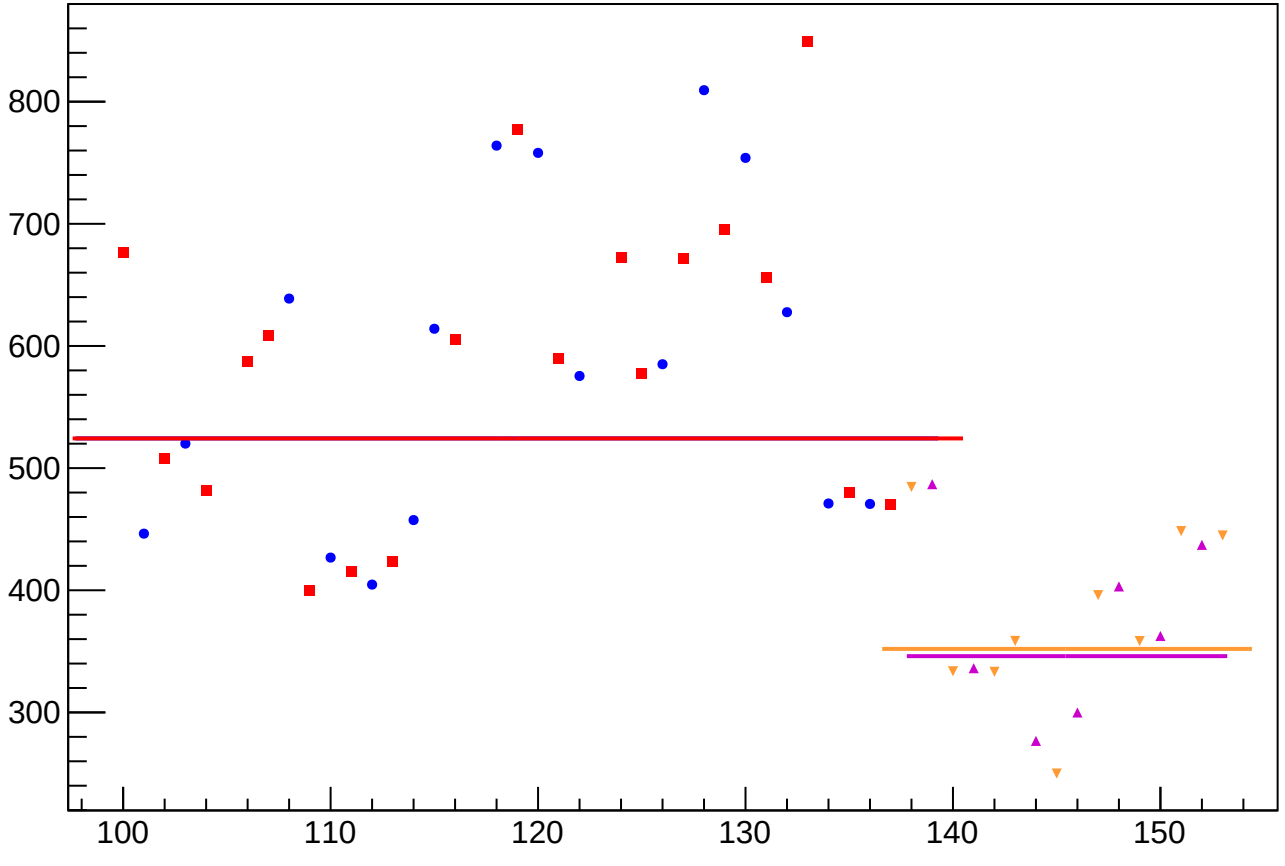
Right: 122.157+/-140.558 χ^2/NDF: 37.0/34

In: 56.116+/-116.455 χ^2/NDF:27.5/22

Out: -260.289+/-111.923 χ^2/NDF:49.2/27

All: -108.363+/-80.696 χ^2/NDF: 80.5/50

asym_sam_1357_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 524.325+/-0.142 χ^2/NDF: 658493.8/15

Left Out: 352.014+/-0.096 χ^2/NDF:562258.6/8

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

Left In: 346.069+/-0.101 χ^2/NDF:405350.6/6

Left: 349.191+/-0.070 χ^2/NDF: 969423.6/15

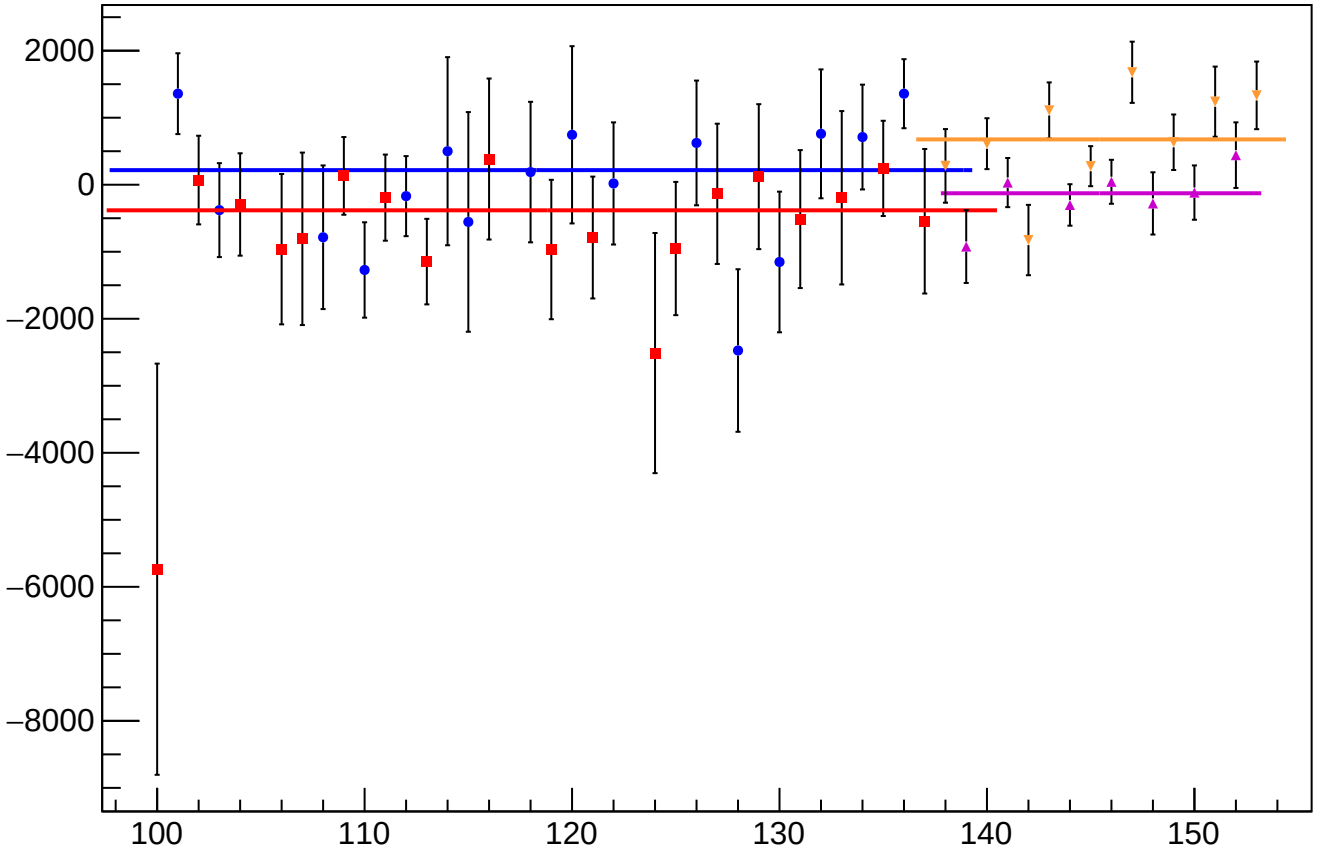
Right: 524.315+/-0.099 χ^2/NDF: 1344557.5/34

In: 406.143+/-0.082 χ^2/NDF:2110854.7/22

Out: 407.623+/-0.079 χ^2/NDF:2284291.3/27

All: 406.912+/-0.057 χ^2/NDF: 4395313.9/50

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 676.316+/-142.823 χ^2/NDF:19.3/8

Right Out: -381.836+/-205.585 χ^2/NDF: 10.0/18

Left In: -127.363+/-148.320 χ^2/NDF:4.4/6

Left: 289.645+/-102.880 χ^2/NDF: 38.9/15

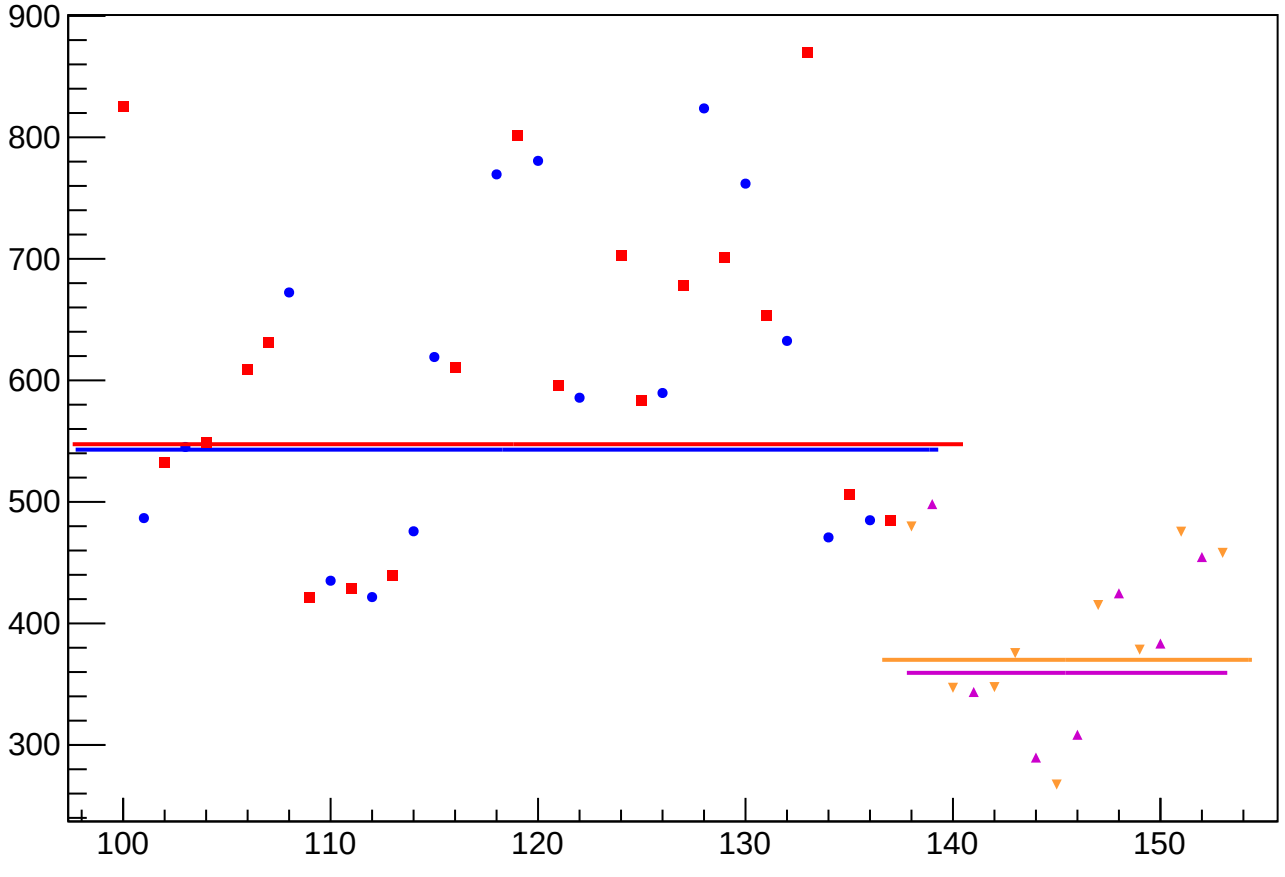
Right: -84.807+/-146.040 χ^2/NDF: 37.1/34

In: -10.652+/-120.662 χ^2/NDF:29.1/22

Out: 331.864+/-117.296 χ^2/NDF:47.1/27

All: 165.451+/-84.106 χ^2/NDF: 80.4/50

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 370.061+/-0.101 χ^2/NDF:489431.6/8

Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 359.345+/-0.105 χ^2/NDF:406553.0/6

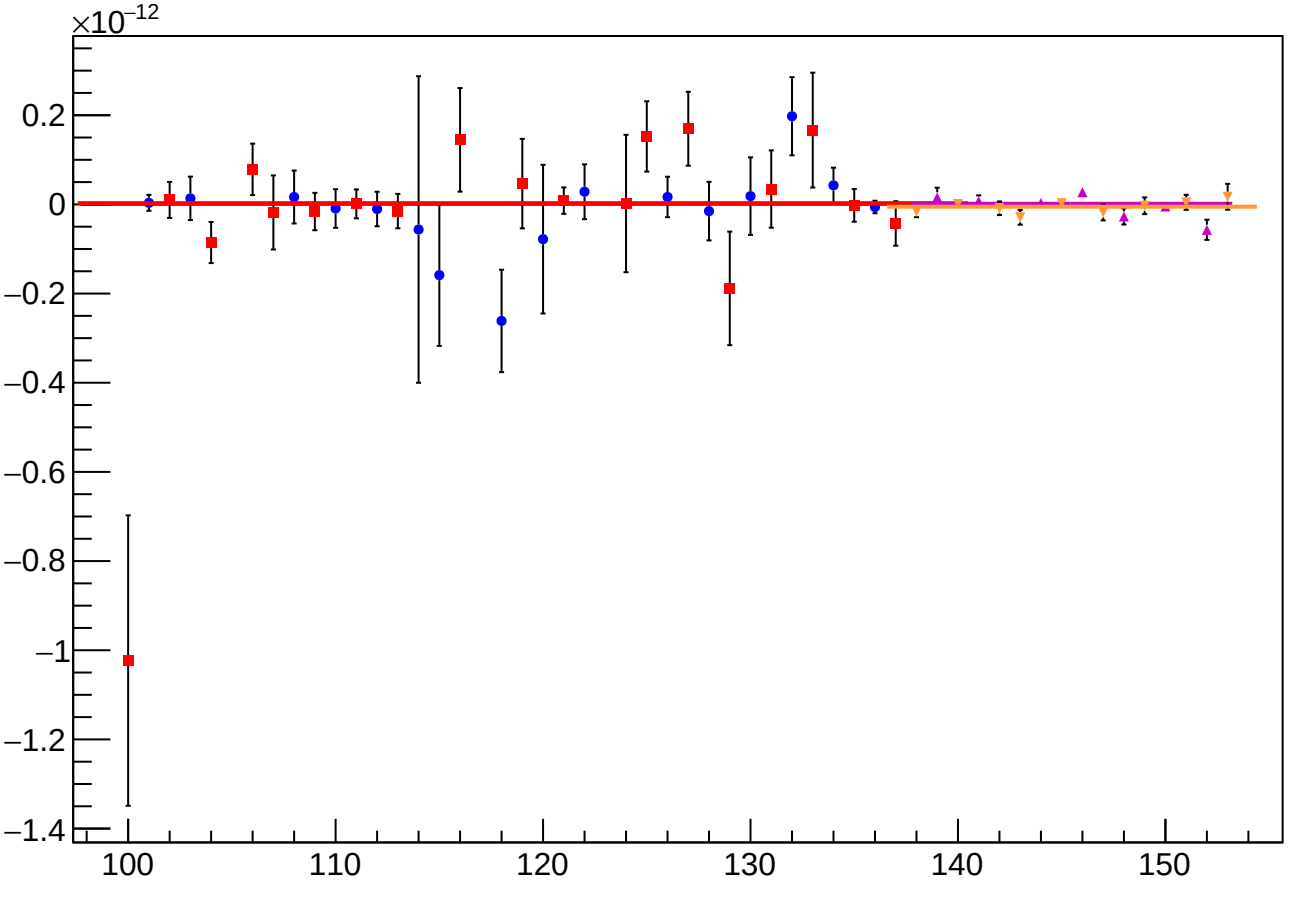
Left: 364.905+/-0.073 χ^2/NDF: 901401.9/15

Right: 545.252+/-0.103 χ^2/NDF: 1236002.5/34

In: 421.451+/-0.085 χ^2/NDF:2048774.5/22

Out: 427.810+/-0.083 χ^2/NDF:2124192.3/27

All: 424.720+/-0.059 χ^2/NDF: 4175822.2/50



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

Left Out: -0.000+/-0.000 χ^2/NDF:5.4/8

Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/18

Left In: 0.000+/-0.000 χ^2/NDF:15.8/6

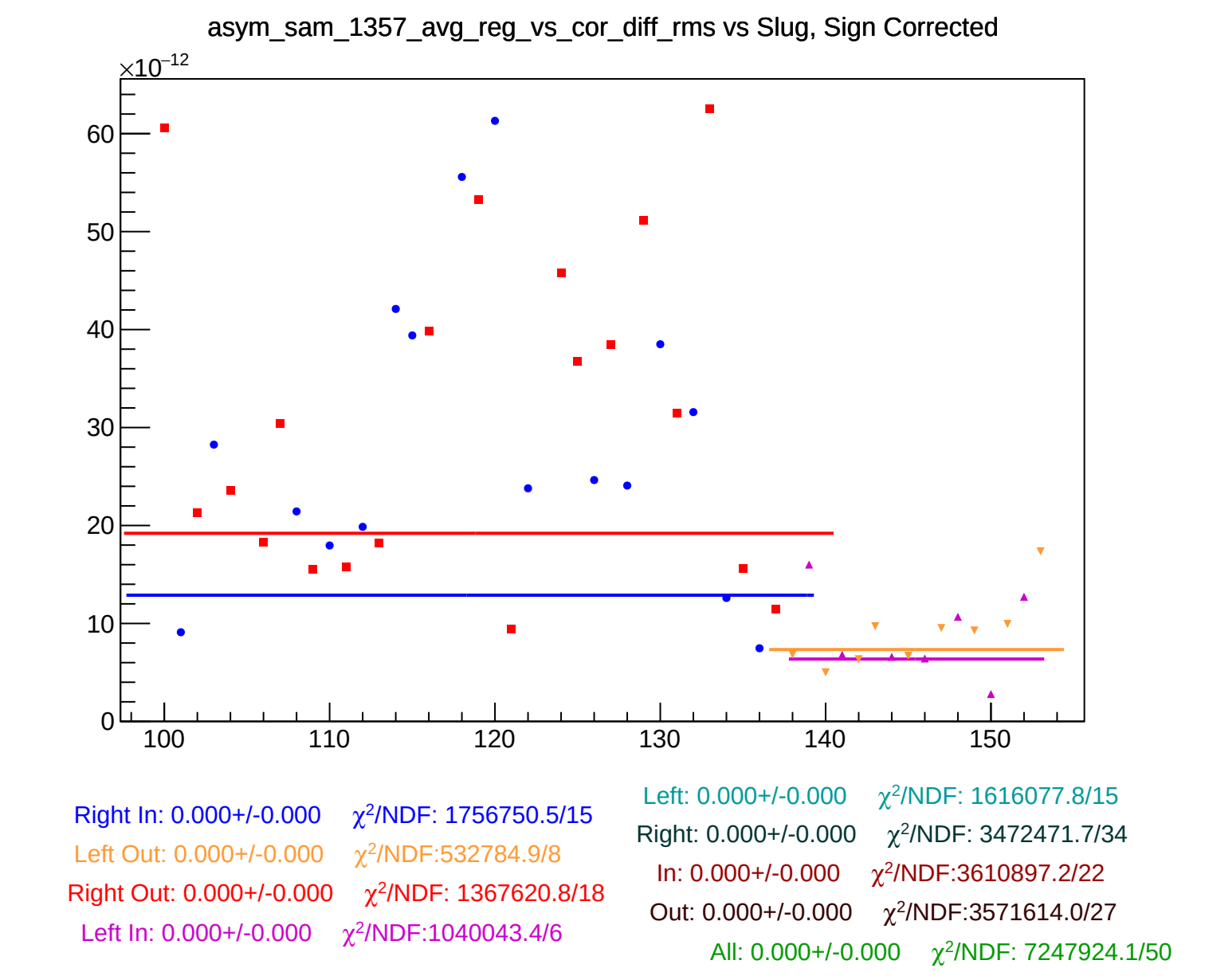
Left: -0.000+/-0.000 χ^2/NDF: 22.2/15

Right: 0.000+/-0.000 χ^2/NDF: 43.7/34

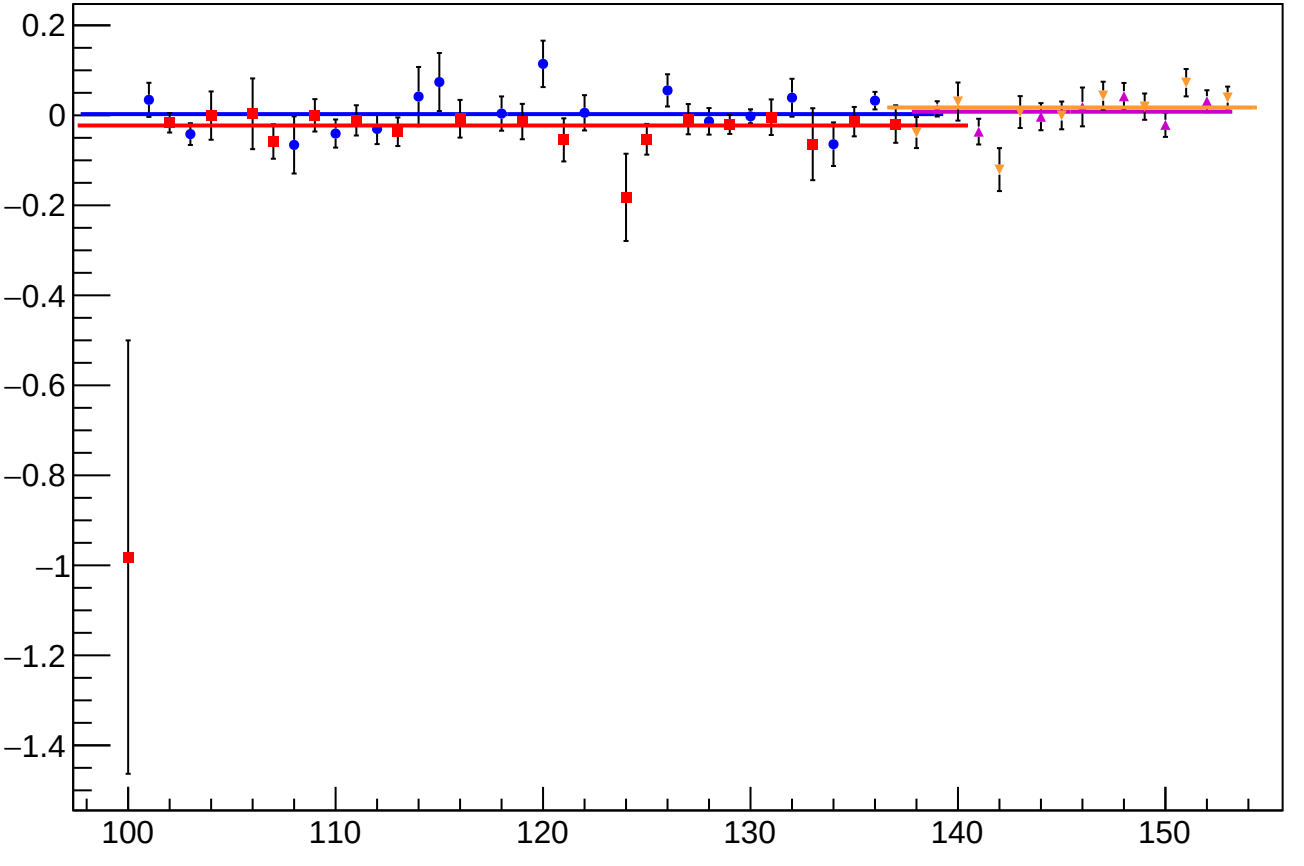
In: 0.000+/-0.000 χ^2/NDF:29.4/22

Out: -0.000+/-0.000 χ^2/NDF:35.8/27

All: -0.000+/-0.000 χ^2/NDF: 66.0/50


asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1756750.5/15
Left Out: 0.000+/-0.000 χ²/NDF:532784.9/8
Right Out: 0.000+/-0.000 χ²/NDF: 1367620.8/18
Left In: 0.000+/-0.000 χ²/NDF:1040043.4/6
Left: 0.000+/-0.000 χ²/NDF: 1616077.8/15
Right: 0.000+/-0.000 χ²/NDF: 3472471.7/34
In: 0.000+/-0.000 χ²/NDF:3610897.2/22
Out: 0.000+/-0.000 χ²/NDF:3571614.0/27
All: 0.000+/-0.000 χ²/NDF: 7247924.1/50

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: 0.017+/-0.011 χ^2/NDF:16.3/8

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.008+/-0.010 χ^2/NDF:6.2/6

Left: 0.012+/-0.007 χ^2/NDF: 22.9/15

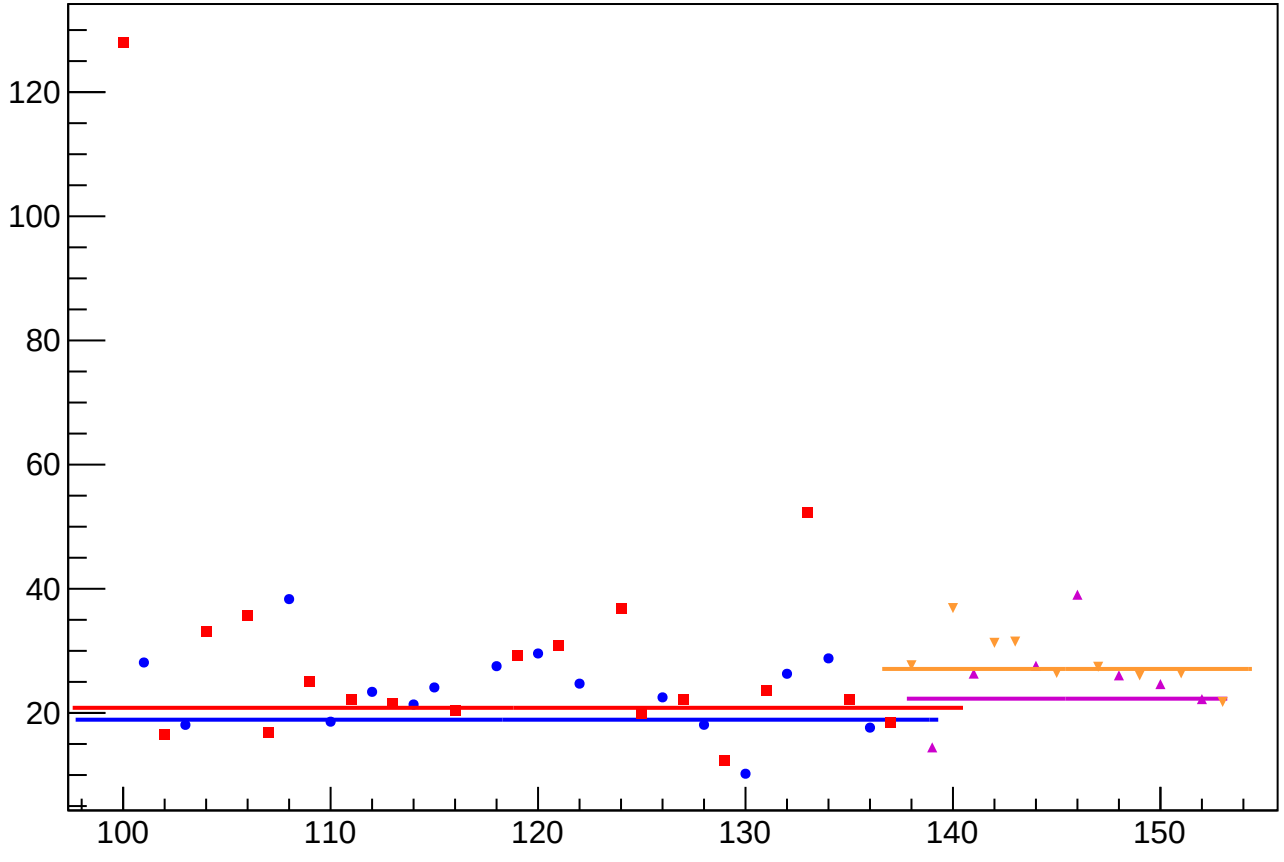
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.005+/-0.006 χ^2/NDF:28.3/22

Out: -0.007+/-0.007 χ^2/NDF:35.7/27

All: -0.001+/-0.004 χ^2/NDF: 65.8/50

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: 27.088+/-0.008 χ^2/NDF:254976.4/8

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 22.298+/-0.007 χ^2/NDF:879232.2/6

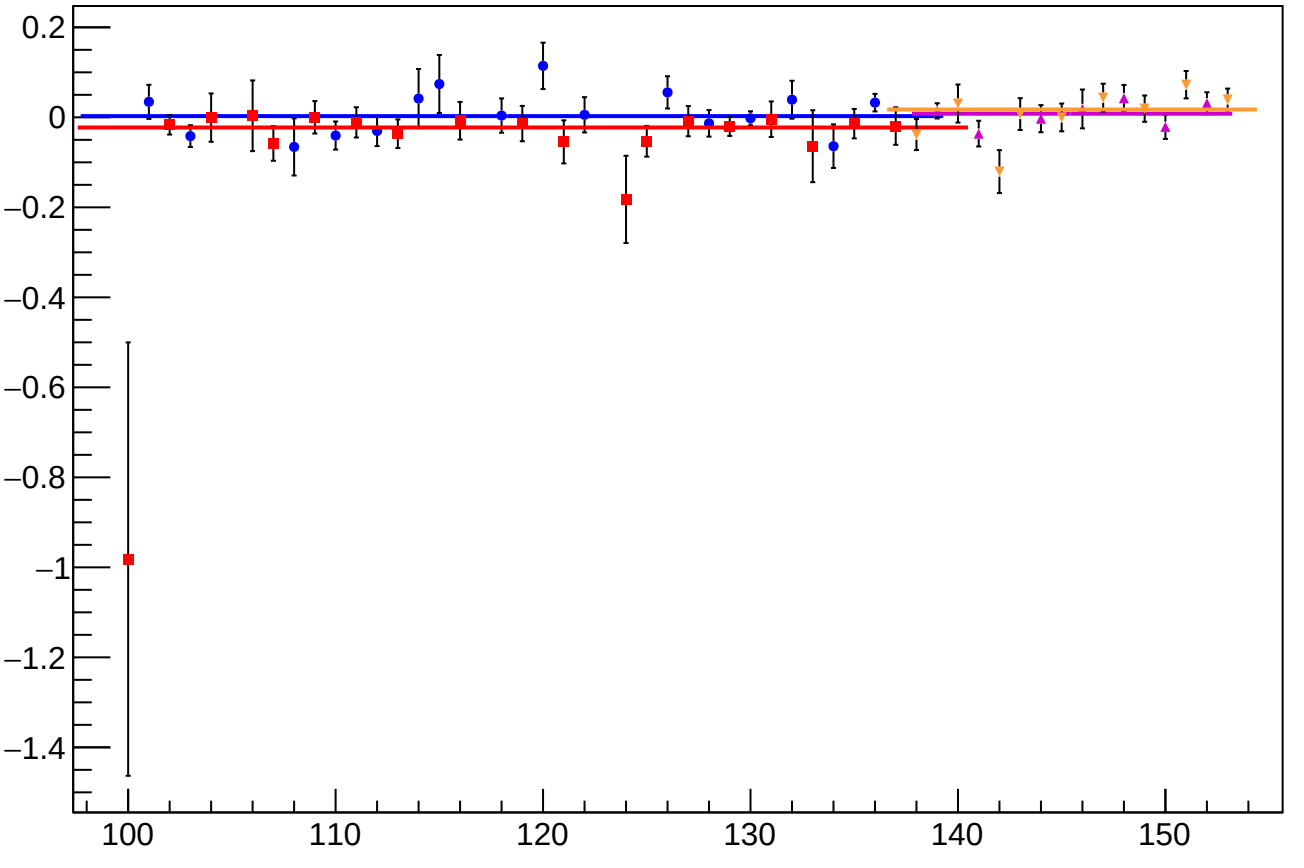
Left: 24.459+/-0.005 χ^2/NDF: 1352813.5/15

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 20.236+/-0.004 χ^2/NDF:2416940.7/22

Out: 23.222+/-0.005 χ^2/NDF:1966741.4/27

All: 21.600+/-0.003 χ^2/NDF: 4603360.3/50



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.017+/-0.011 χ^2/NDF:16.3/8

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.008+/-0.010 χ^2/NDF:6.2/6

Left: 0.012+/-0.007 χ^2/NDF: 22.9/15

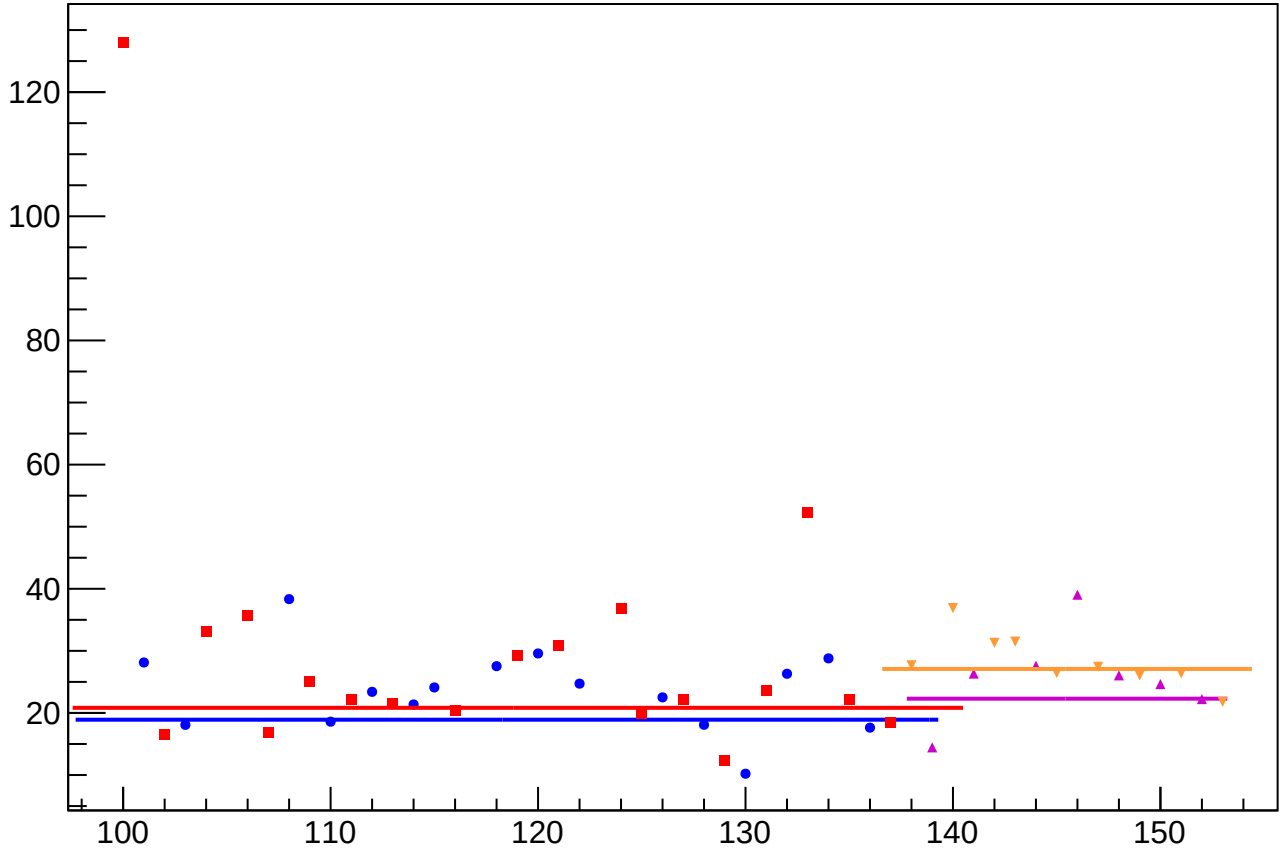
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.005+/-0.006 χ^2/NDF:28.3/22

Out: -0.007+/-0.007 χ^2/NDF:35.7/27

All: -0.001+/-0.004 χ^2/NDF: 65.8/50

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: 27.088+/-0.008 χ^2/NDF:254976.4/8

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 22.298+/-0.007 χ^2/NDF:879232.2/6

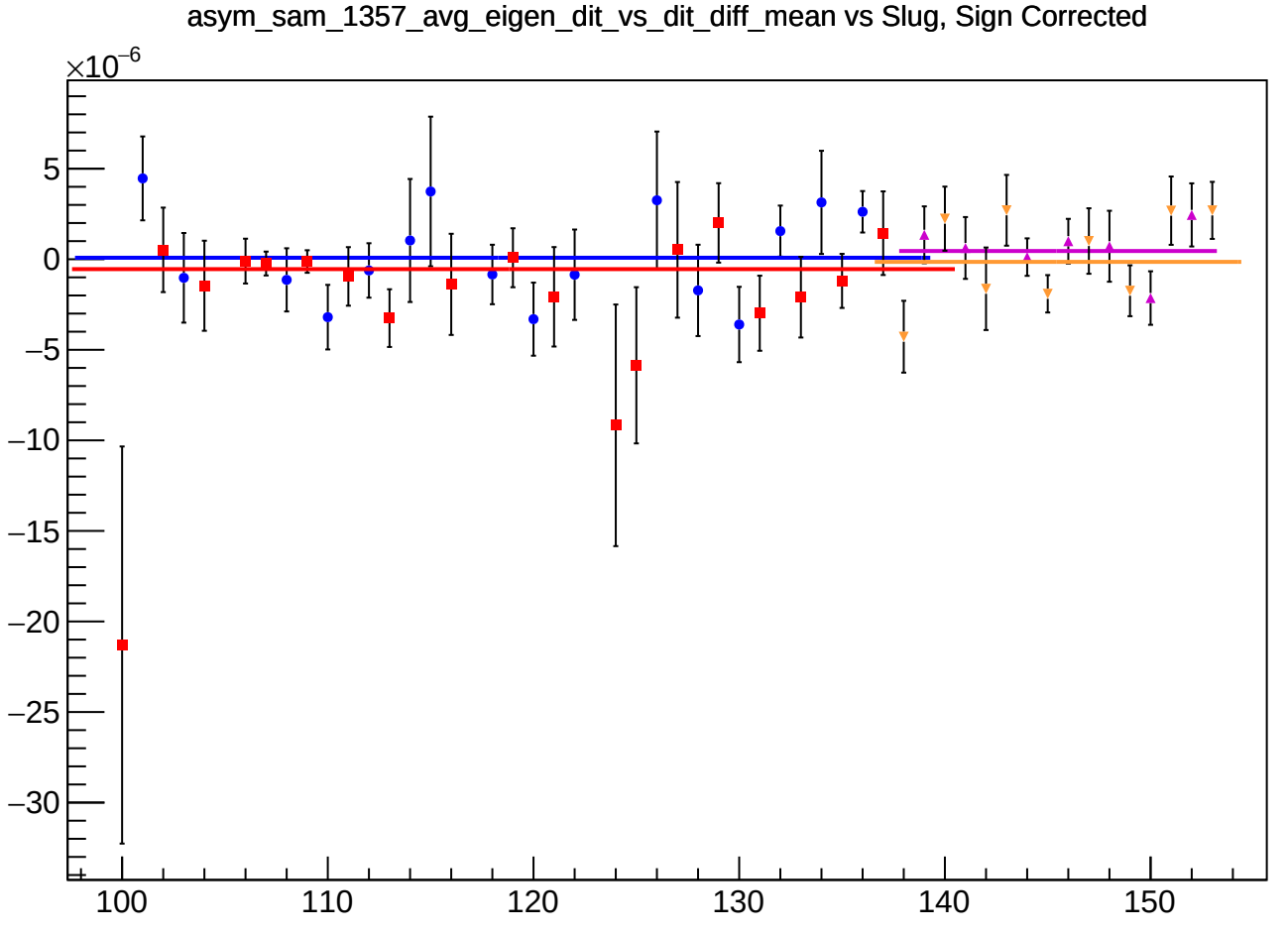
Left: 24.459+/-0.005 χ^2/NDF: 1352813.5/15

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 20.236+/-0.004 χ^2/NDF:2416940.7/22

Out: 23.222+/-0.005 χ^2/NDF:1966741.4/27

All: 21.600+/-0.003 χ^2/NDF: 4603360.3/50



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/8

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:5.0/6

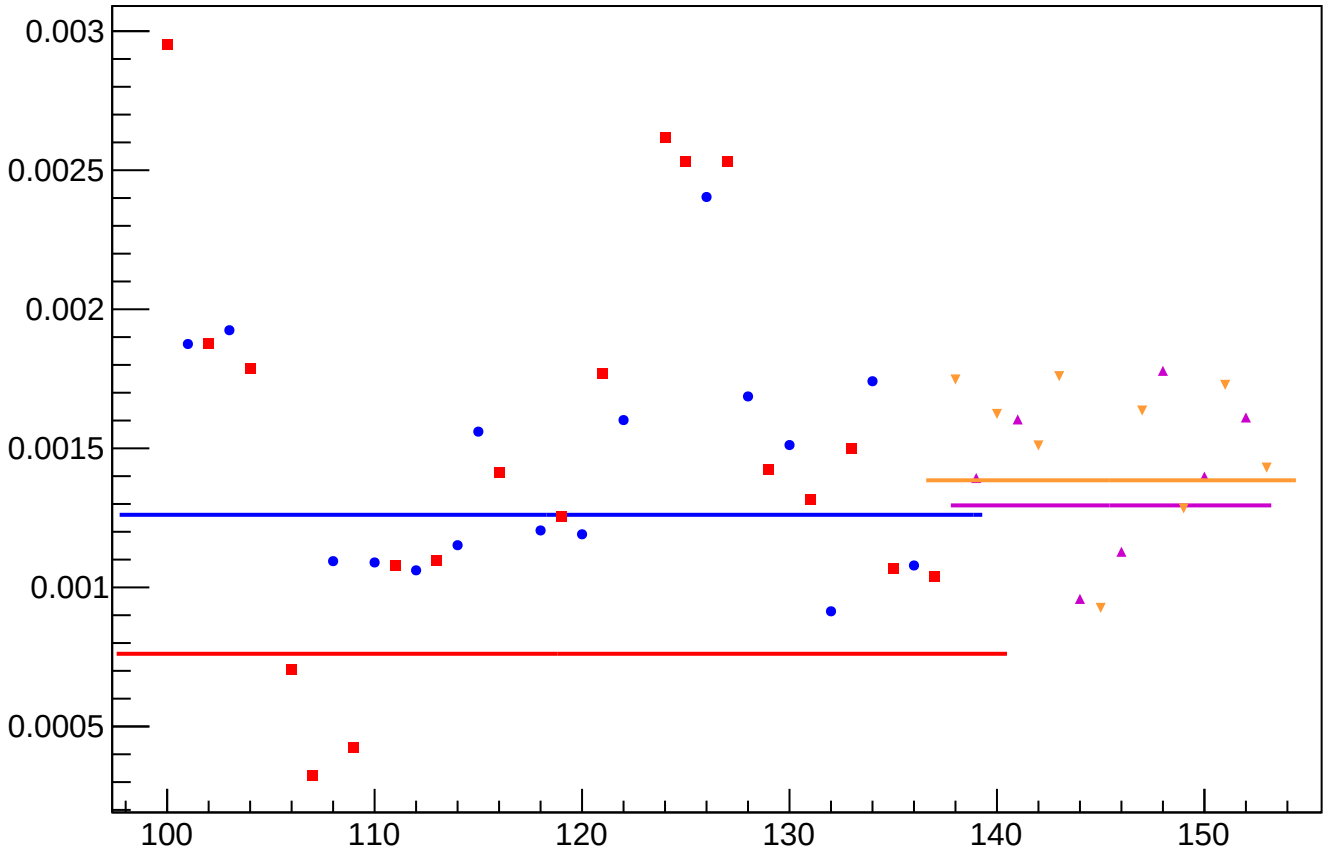
Left: 0.000+/-0.000 χ^2/NDF: 24.5/15

Right: -0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:28.8/22

Out: -0.000+/-0.000 χ^2/NDF:34.9/27

All: -0.000+/-0.000 χ^2/NDF: 65.9/50



Right In: 0.001+/-0.000 χ^2/NDF: 907342.5/15

Left Out: 0.001+/-0.000 χ^2/NDF:694601.3/8

Right Out: 0.001+/-0.000 χ^2/NDF: 4672607.8/18

Left In: 0.001+/-0.000 χ^2/NDF:518923.6/6

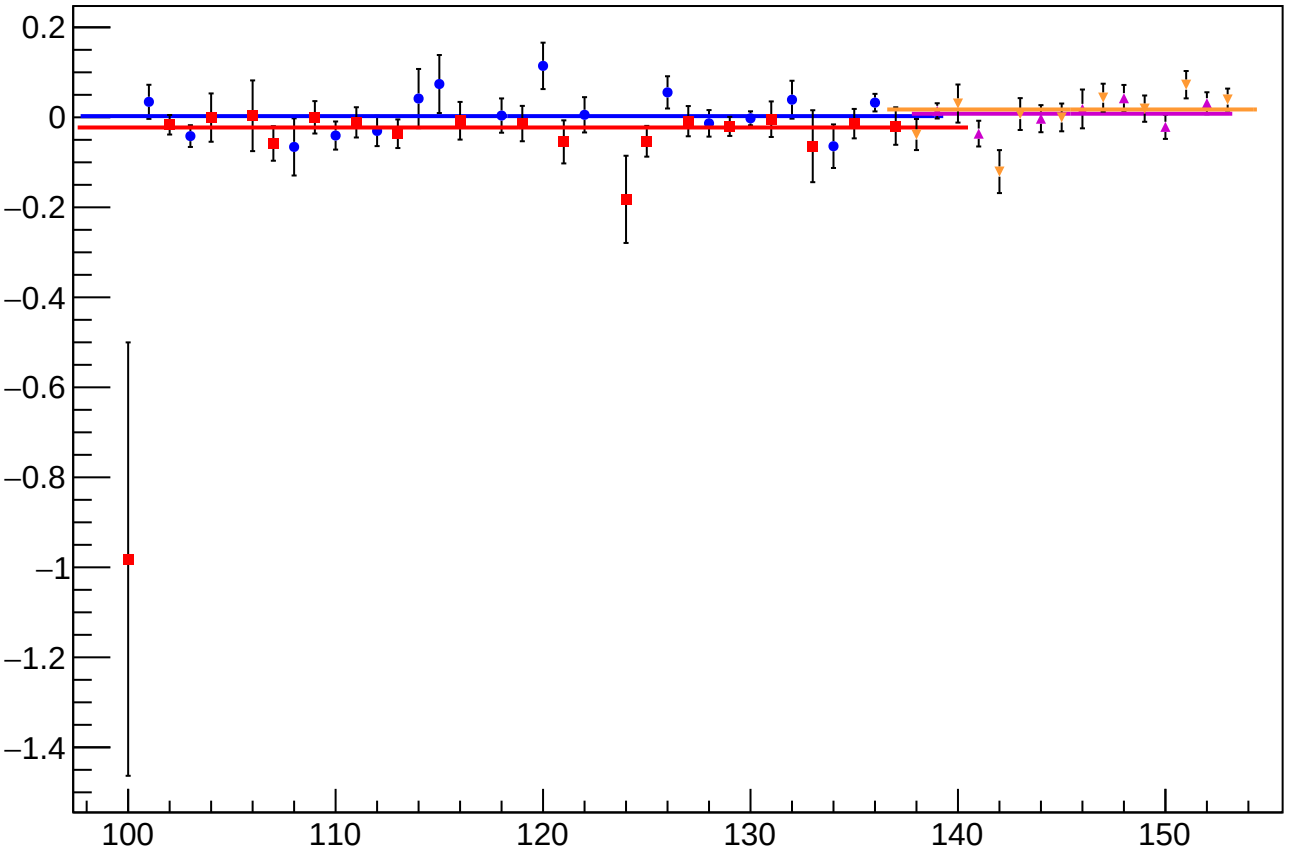
Left: 0.001+/-0.000 χ^2/NDF: 1241441.7/15

Right: 0.001+/-0.000 χ^2/NDF: 6998069.8/34

In: 0.001+/-0.000 χ^2/NDF:1430561.0/22

Out: 0.001+/-0.000 χ^2/NDF:7297491.7/27

All: 0.001+/-0.000 χ^2/NDF: 9795772.3/50



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.017+/-0.011 χ^2/NDF:16.3/8

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: 0.008+/-0.010 χ^2/NDF:6.2/6

Left: 0.012+/-0.007 χ^2/NDF: 22.9/15

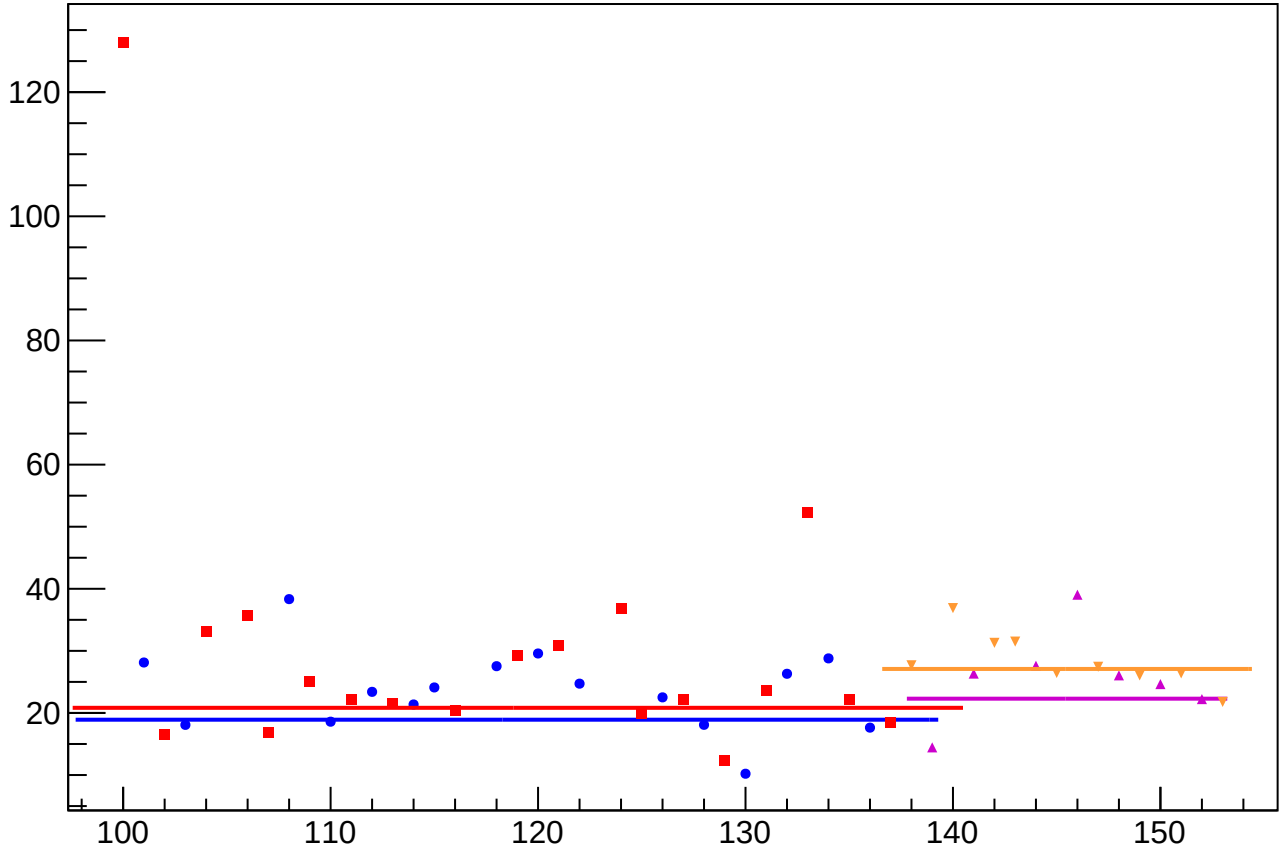
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: 0.005+/-0.006 χ^2/NDF:28.3/22

Out: -0.007+/-0.007 χ^2/NDF:35.7/27

All: -0.001+/-0.004 χ^2/NDF: 65.8/50

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: 27.089+/-0.008 χ^2/NDF:254971.6/8

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 22.298+/-0.007 χ^2/NDF:879157.7/6

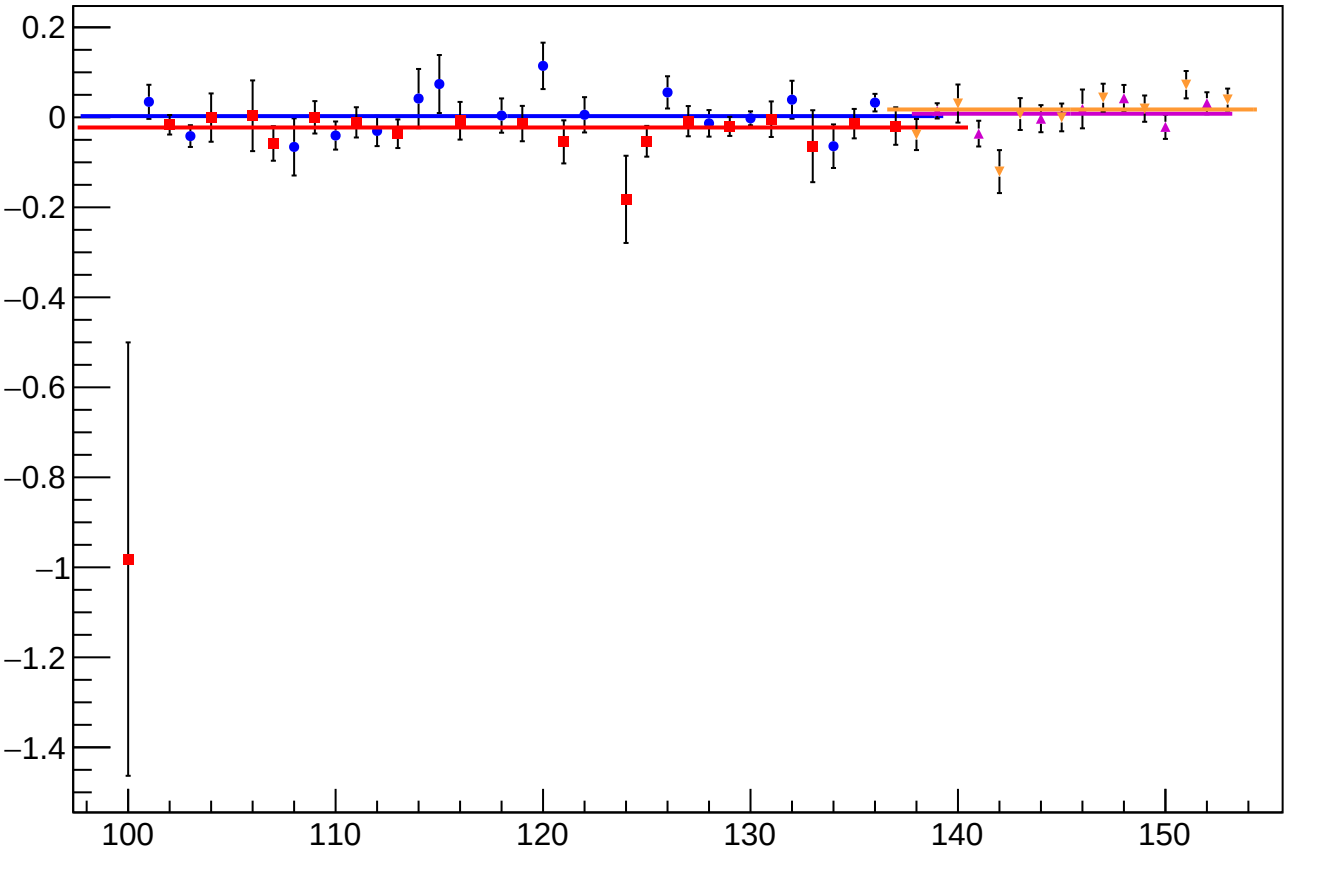
Left: 24.460+/-0.005 χ^2/NDF: 1352712.7/15

Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

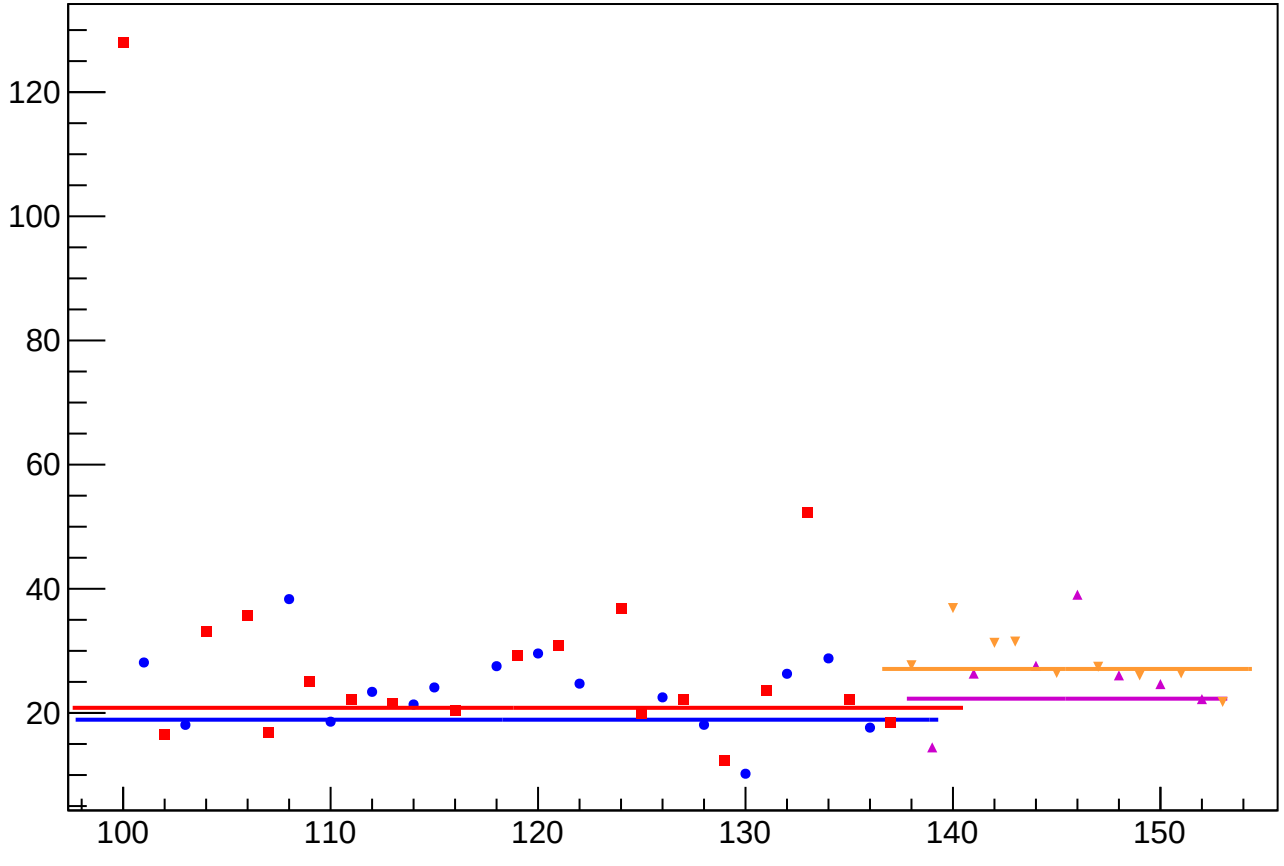
In: 20.237+/-0.004 χ^2/NDF:2416769.6/22

Out: 23.223+/-0.005 χ^2/NDF:1966768.3/27

All: 21.601+/-0.003 χ^2/NDF: 4603181.4/50


asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
100
110
120
130
140
150
Right In: 0.003+/-0.008 χ²/NDF: 22.0/15
Left Out: 0.017+/-0.011 χ²/NDF:16.3/8
Right Out: -0.023+/-0.008 χ²/NDF: 10.8/18
Left In: 0.008+/-0.010 χ²/NDF:6.2/6
Left: 0.012+/-0.007 χ²/NDF: 22.9/15
Right: -0.009+/-0.006 χ²/NDF: 37.5/34
In: 0.005+/-0.006 χ²/NDF:28.3/22
Out: -0.007+/-0.007 χ²/NDF:35.7/27
All: -0.001+/-0.004 χ²/NDF: 65.8/50

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: 27.089+/-0.008 χ^2/NDF:254971.6/8

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 22.298+/-0.007 χ^2/NDF:879157.7/6

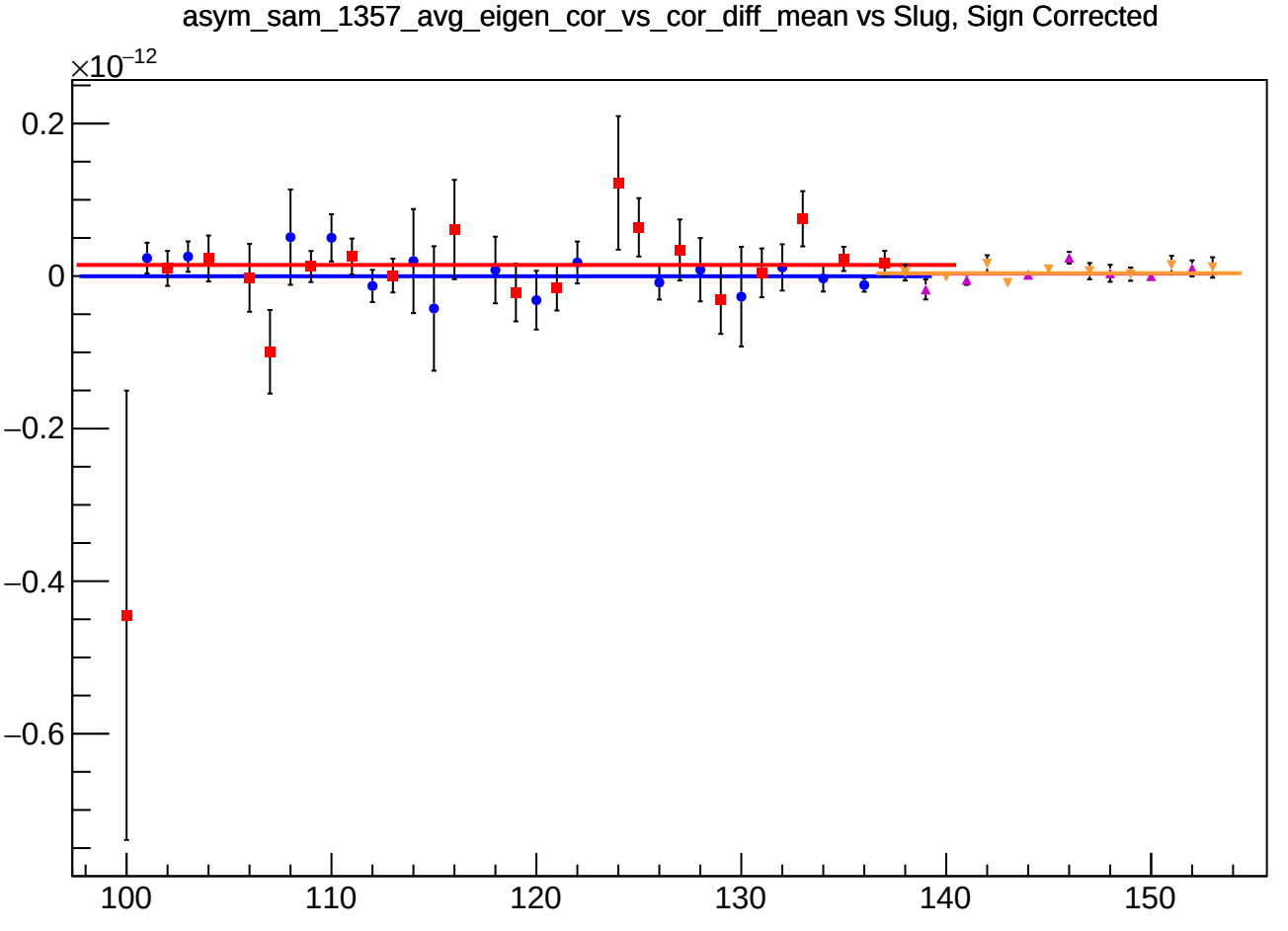
Left: 24.460+/-0.005 χ^2/NDF: 1352712.7/15

Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 20.237+/-0.004 χ^2/NDF:2416769.6/22

Out: 23.223+/-0.005 χ^2/NDF:1966768.3/27

All: 21.601+/-0.003 χ^2/NDF: 4603181.4/50



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.0/8

Right Out: 0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: 0.000+/-0.000 χ^2/NDF:12.2/6

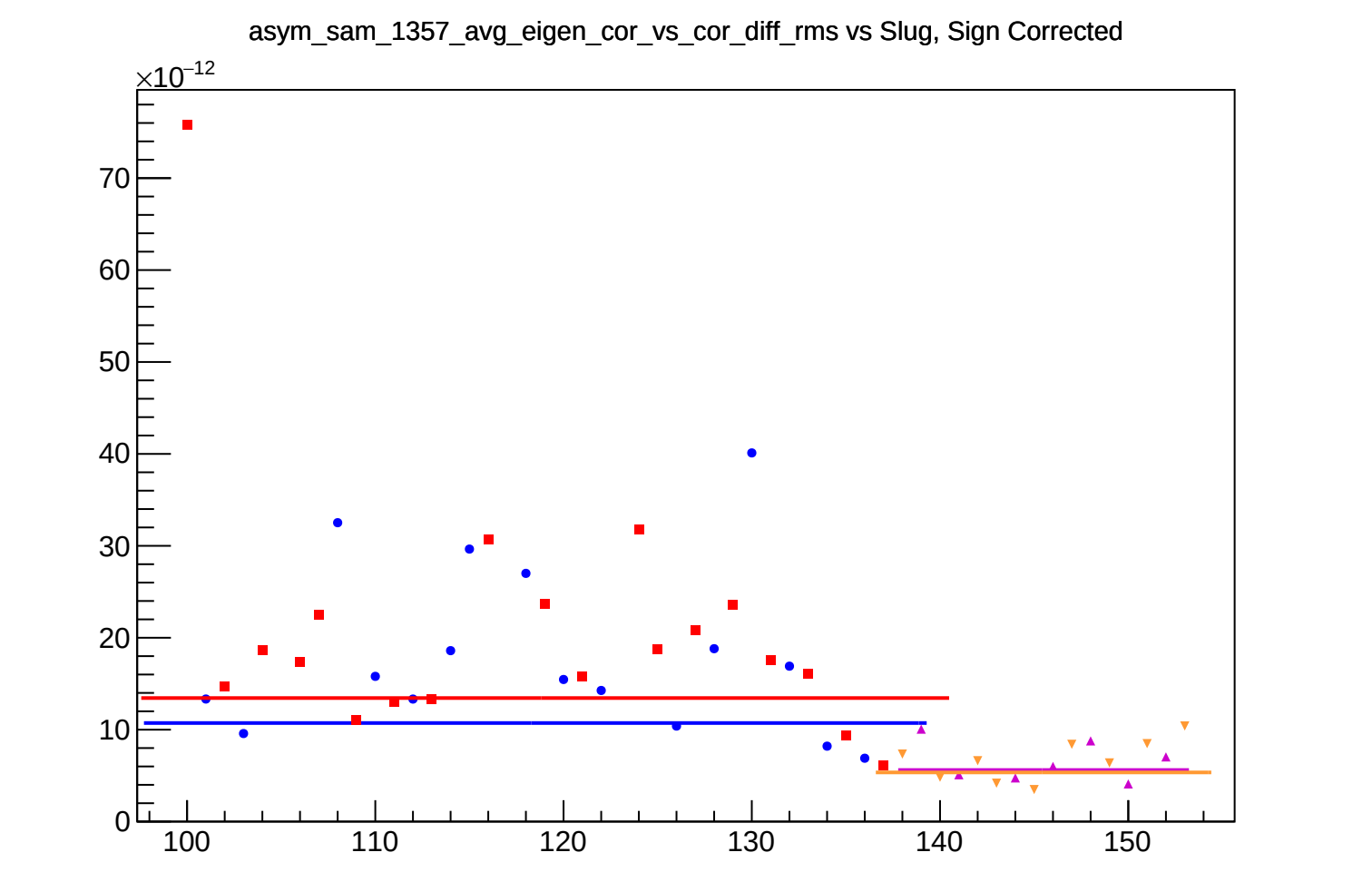
Left: 0.000+/-0.000 χ^2/NDF: 20.2/15

Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:23.0/22

Out: 0.000+/-0.000 χ^2/NDF:28.0/27

All: 0.000+/-0.000 χ^2/NDF: 51.6/50



Right In: 0.000+/-0.000 χ^2/NDF: 1836547.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1073235.7/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1402984.9/18

Left In: 0.000+/-0.000 χ^2/NDF:593875.1/6

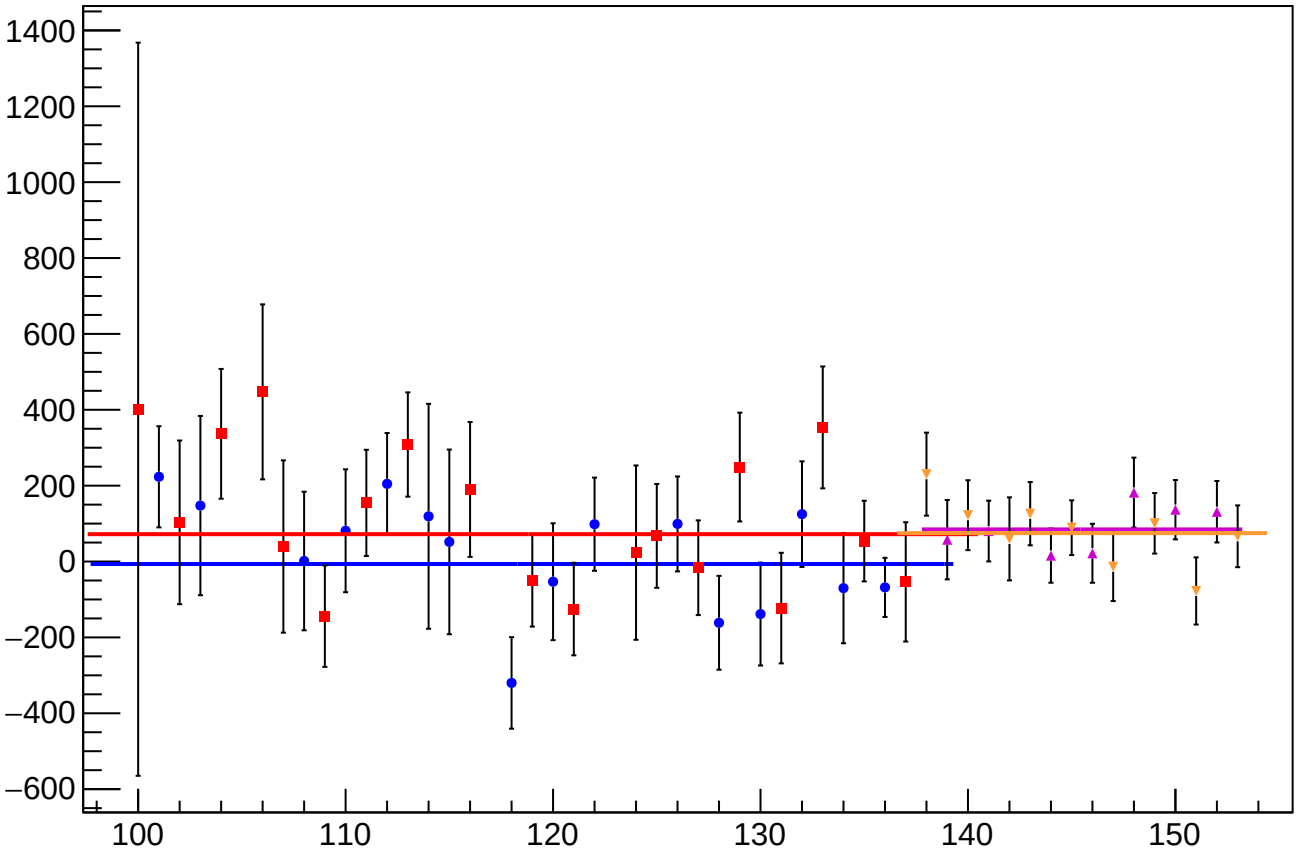
Left: 0.000+/-0.000 χ^2/NDF: 1675760.2/15

Right: 0.000+/-0.000 χ^2/NDF: 3438709.3/34

In: 0.000+/-0.000 χ^2/NDF:3731286.5/22

Out: 0.000+/-0.000 χ^2/NDF:5111163.5/27

All: 0.000+/-0.000 χ^2/NDF: 8851935.8/50



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 74.878+/-29.137 χ^2/NDF:6.7/8

Right Out: 72.124+/-34.883 χ^2/NDF: 22.8/18

Left In: 84.639+/-30.980 χ^2/NDF:3.5/6

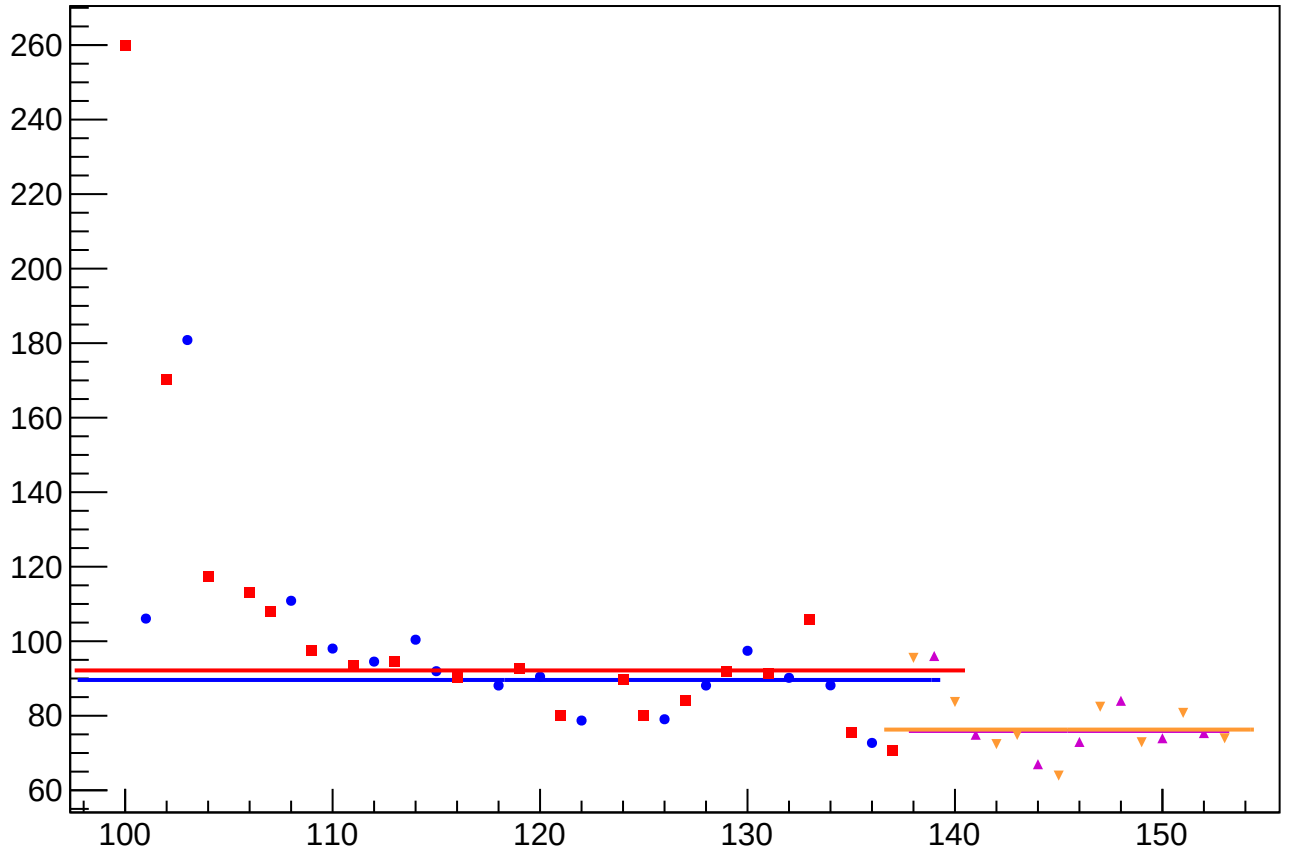
Left: 79.459+/-21.225 χ^2/NDF: 10.3/15

Right: 32.104+/-24.452 χ^2/NDF: 44.3/34

In: 43.647+/-22.987 χ^2/NDF:26.4/22

Out: 73.746+/-22.362 χ^2/NDF:29.5/27

All: 59.111+/-16.029 χ^2/NDF: 56.8/50



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 76.286+/-0.021 χ^2/NDF:156177.5/8

Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 75.916+/-0.022 χ^2/NDF:125057.3/6

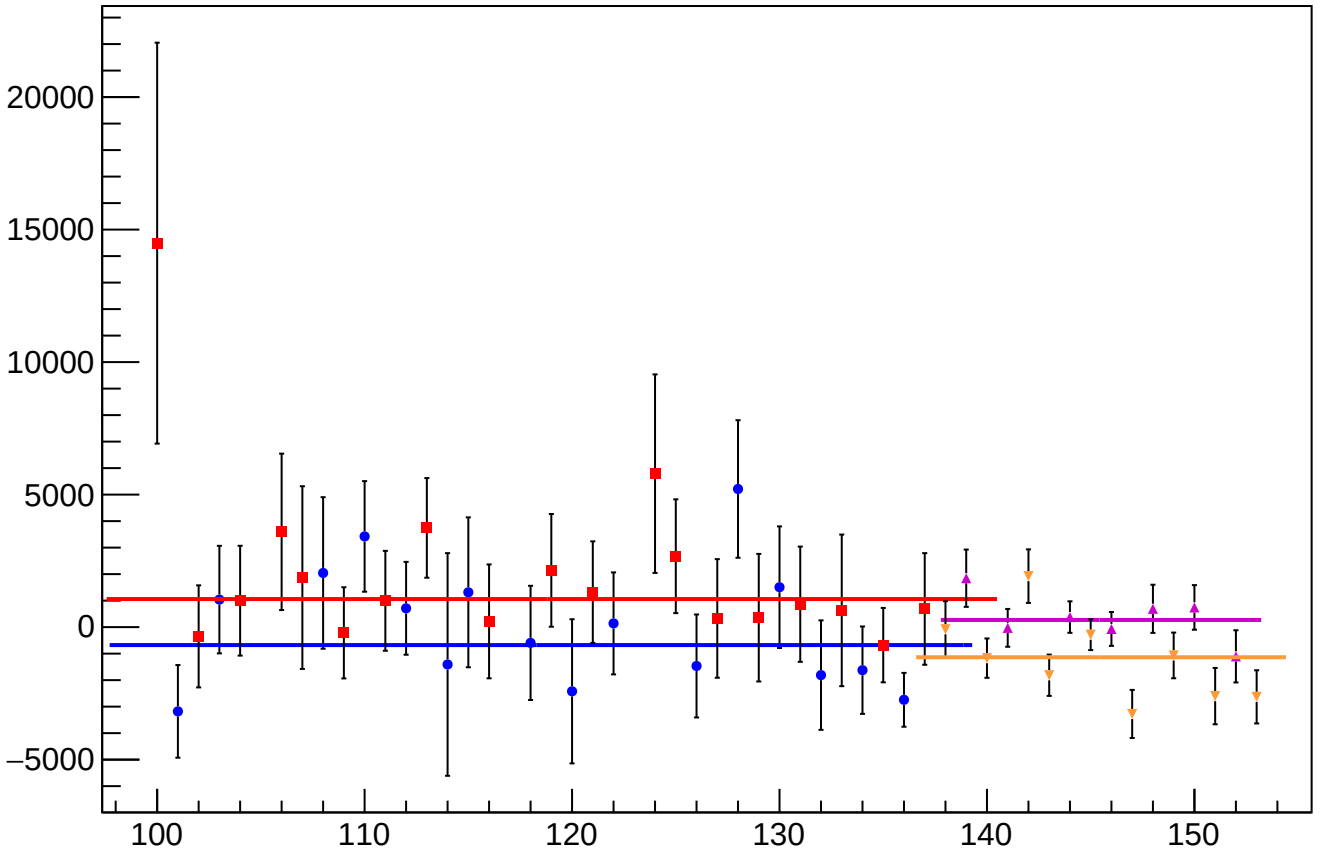
Left: 76.112+/-0.015 χ^2/NDF: 281386.3/15

Right: 90.860+/-0.017 χ^2/NDF: 1045922.9/34

In: 82.068+/-0.016 χ^2/NDF:798916.1/22

Out: 82.810+/-0.016 χ^2/NDF:942241.2/27

All: 82.449+/-0.011 χ^2/NDF: 1742227.4/50



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -1136.631+/-280.324 χ^2/NDF:22.8/8

Right Out: 1058.761+/-496.350 χ^2/NDF: 11.5/18

Left In: 270.816+/-291.644 χ^2/NDF:5.1/6

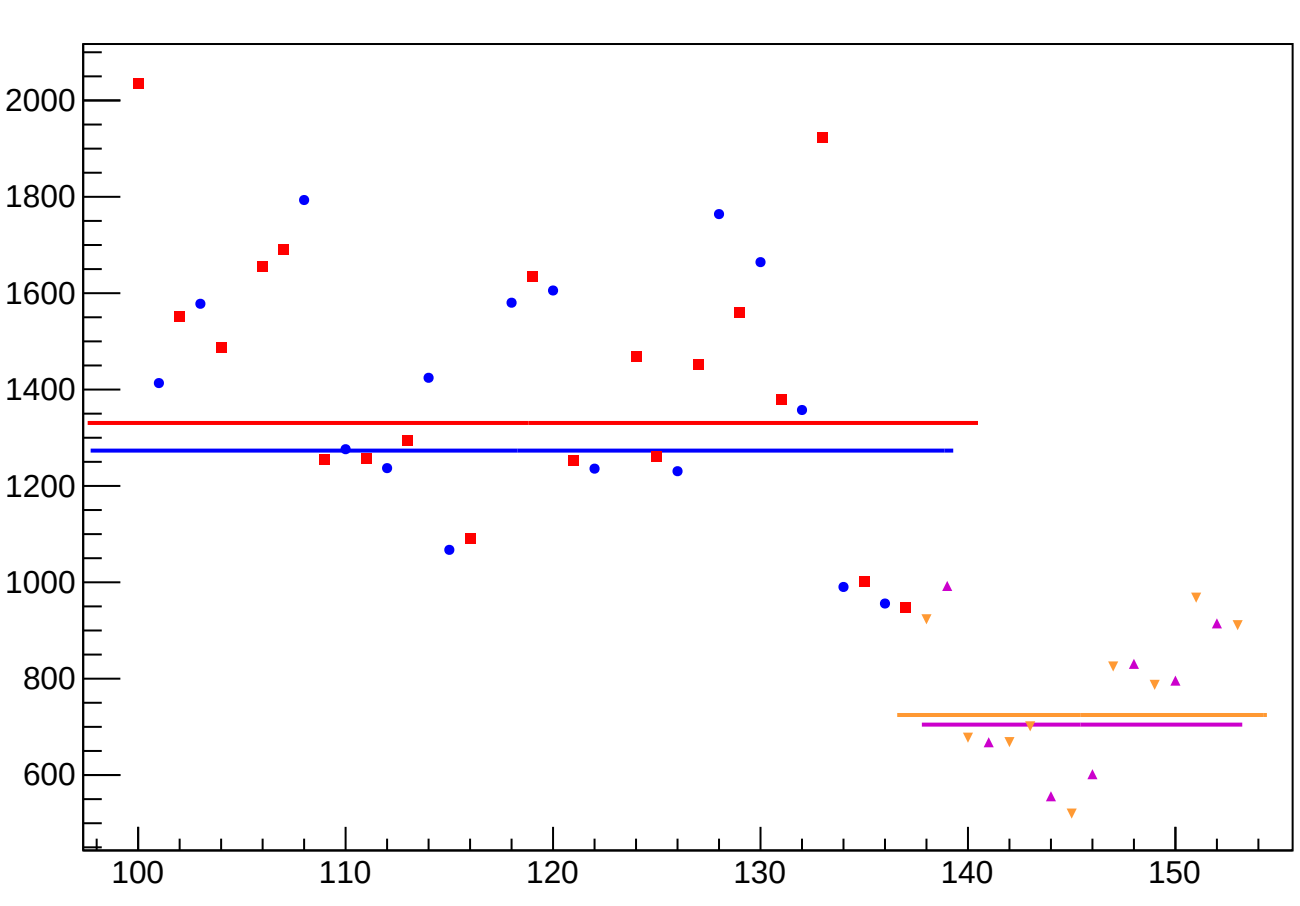
Left: -460.751+/-202.102 χ^2/NDF: 40.0/15

Right: 173.256+/-347.430 χ^2/NDF: 38.0/34

In: 20.131+/-250.138 χ^2/NDF:28.1/22

Out: -605.719+/-244.086 χ^2/NDF:49.1/27

All: -300.455+/-174.695 χ^2/NDF: 80.4/50



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 724.633+/-0.198 χ^2/NDF:542874.3/8

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

Left In: 704.644+/-0.206 χ^2/NDF:477238.2/6

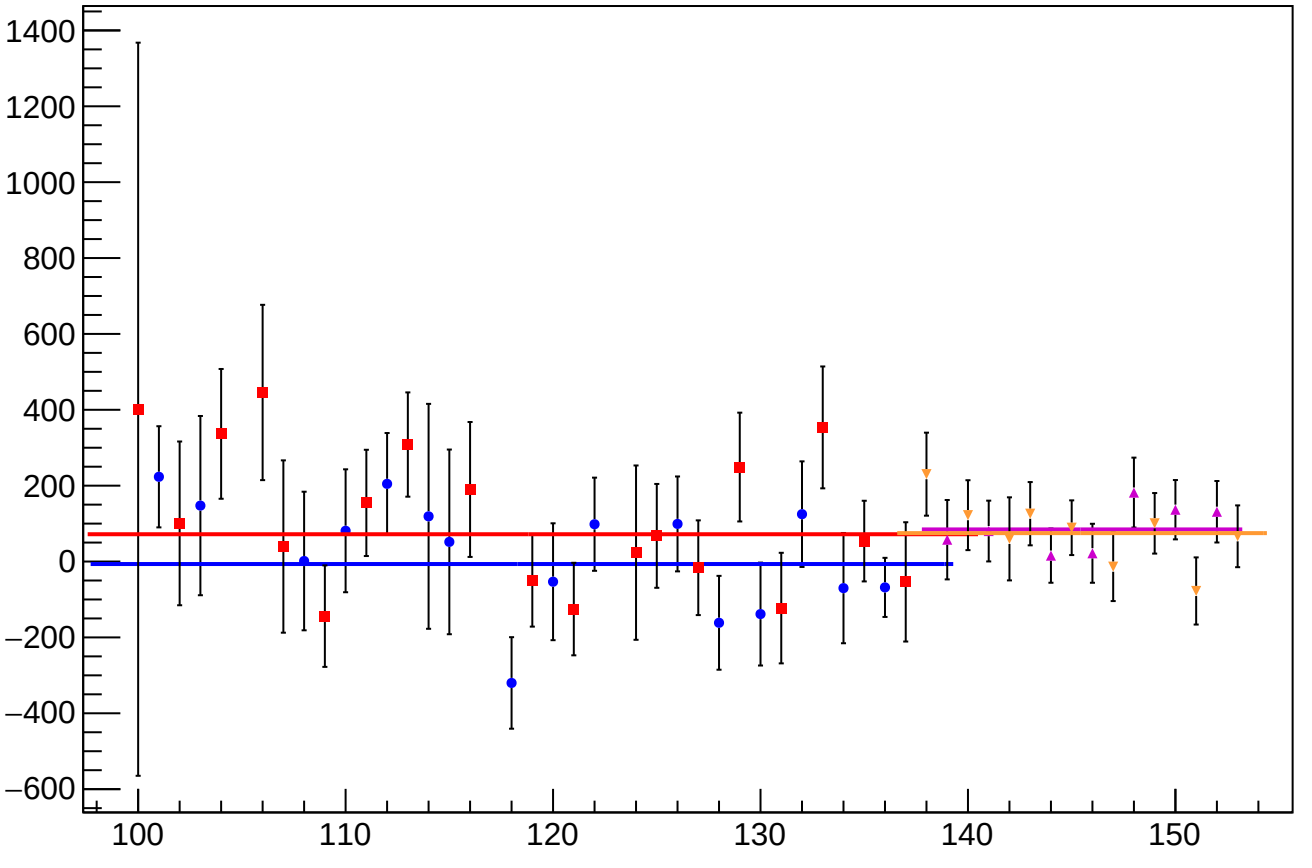
Left: 715.034+/-0.143 χ^2/NDF: 1024995.8/15

Right: 1301.428+/-0.246 χ^2/NDF: 1081847.0/34

In: 854.992+/-0.177 χ^2/NDF:3085189.8/22

Out: 871.194+/-0.173 χ^2/NDF:3274248.2/27

All: 863.292+/-0.124 χ^2/NDF: 6363736.3/50



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 74.888+/-29.137 χ^2/NDF:6.7/8

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 84.642+/-30.980 χ^2/NDF:3.5/6

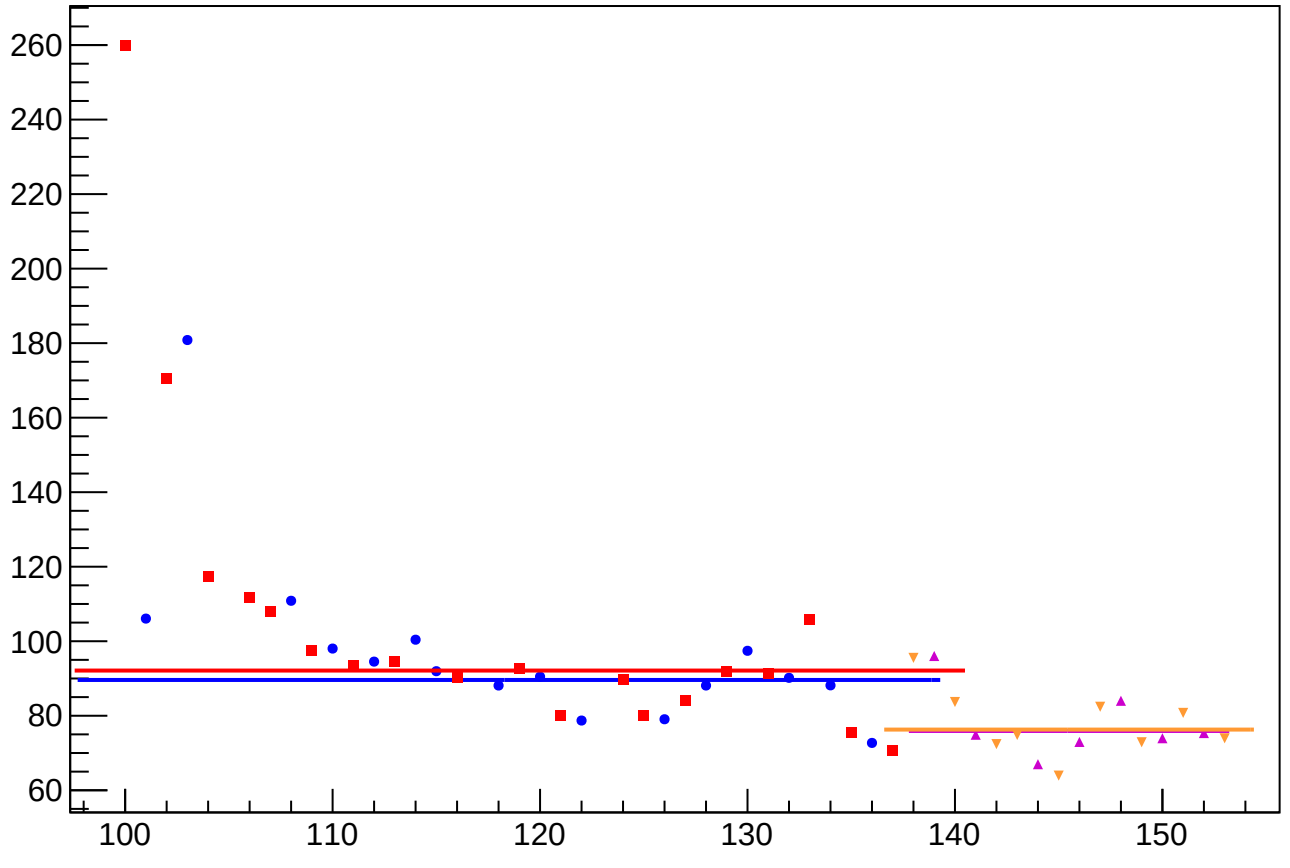
Left: 79.466+/-21.225 χ^2/NDF: 10.3/15

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 43.645+/-22.987 χ^2/NDF:26.4/22

Out: 73.693+/-22.363 χ^2/NDF:29.5/27

All: 59.082+/-16.029 χ^2/NDF: 56.7/50



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.286+/-0.021 χ^2/NDF:156177.5/8

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.916+/-0.022 χ^2/NDF:125057.3/6

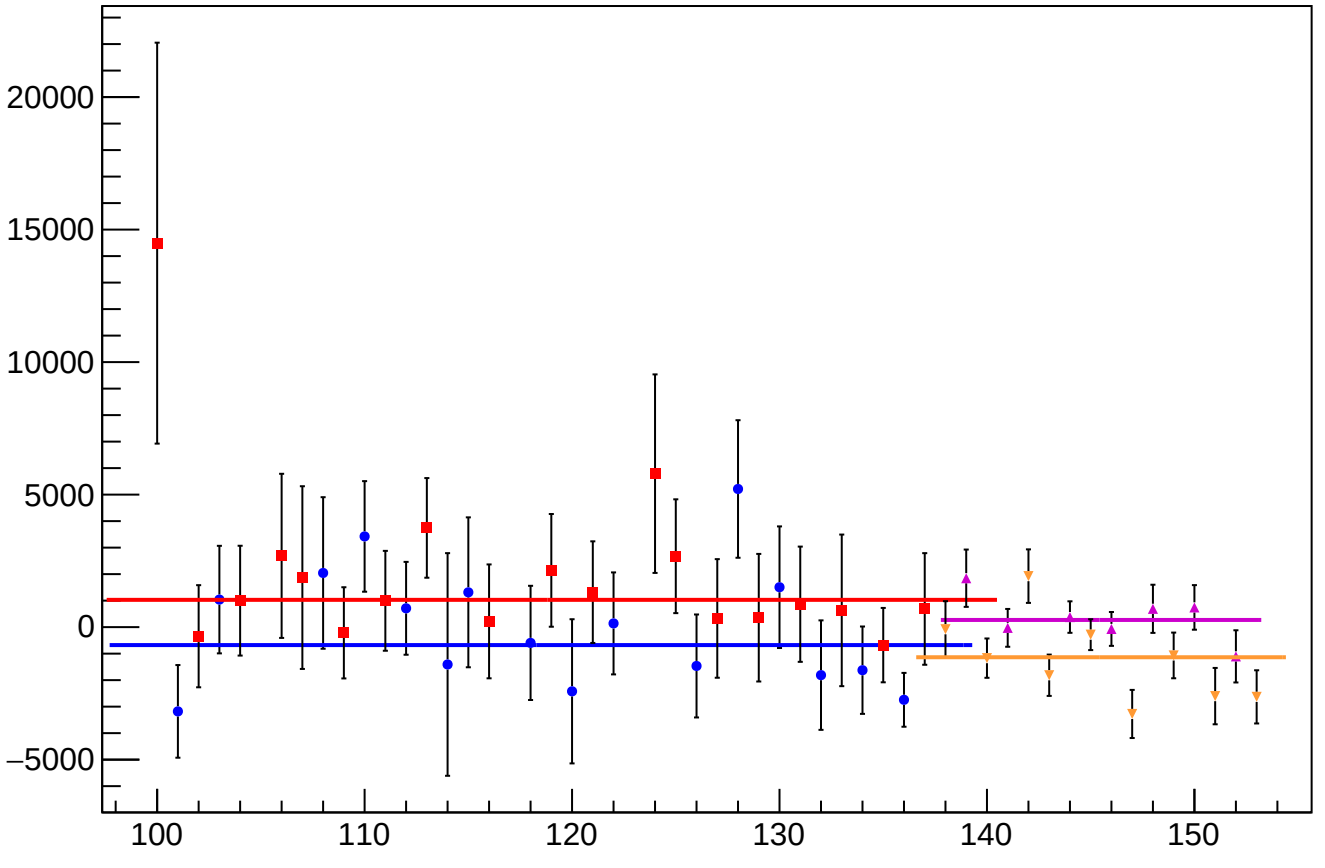
Left: 76.112+/-0.015 χ^2/NDF: 281386.3/15

Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 82.068+/-0.016 χ^2/NDF:798919.6/22

Out: 82.797+/-0.016 χ^2/NDF:939483.3/27

All: 82.443+/-0.011 χ^2/NDF: 1739434.5/50



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -1136.622+/-280.324 χ^2/NDF:22.8/8

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 270.823+/-291.644 χ^2/NDF:5.1/6

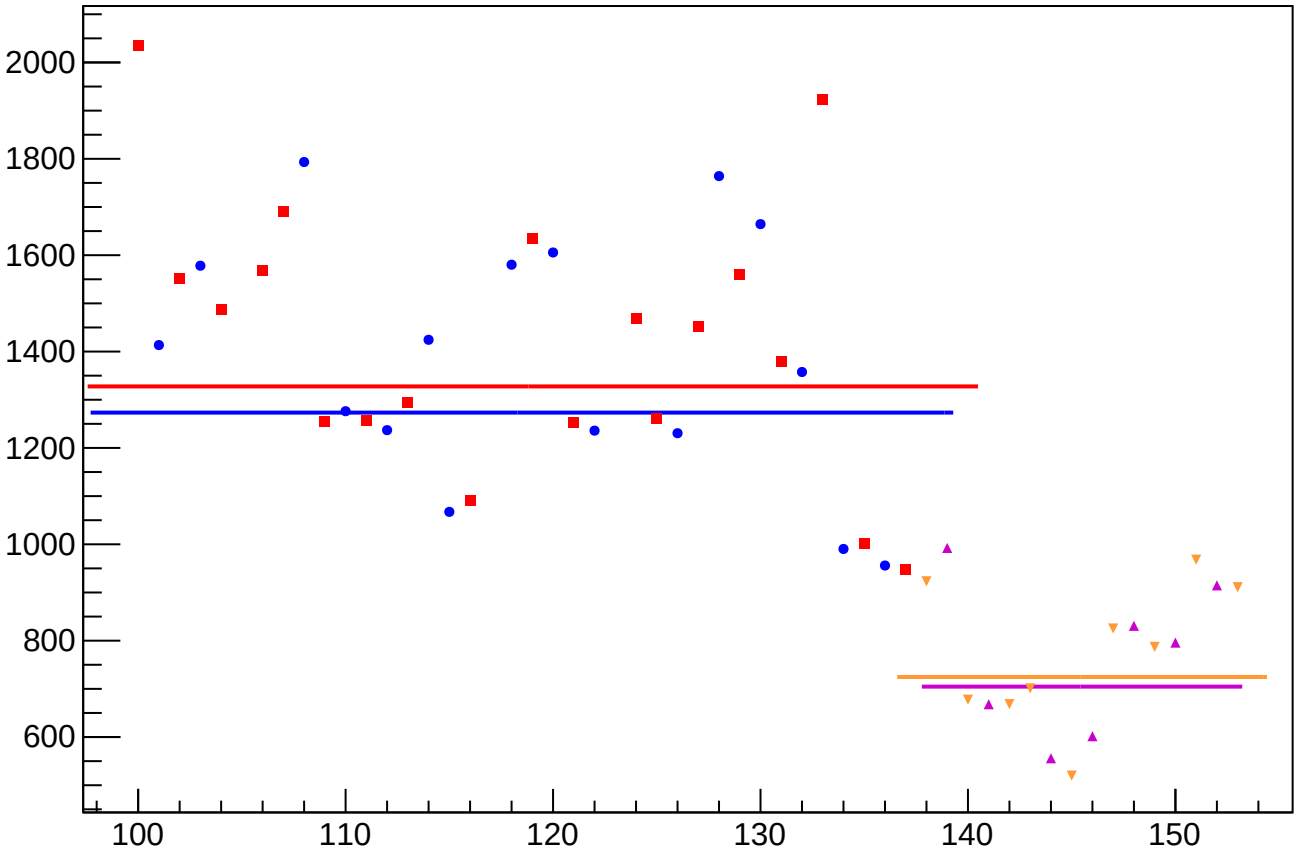
Left: -460.744+/-202.102 χ^2/NDF: 40.0/15

Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 20.147+/-250.138 χ^2/NDF:28.1/22

Out: -613.880+/-244.166 χ^2/NDF:48.2/27

All: -304.526+/-174.724 χ^2/NDF: 79.6/50



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 724.633+/-0.198 χ^2/NDF:542877.2/8

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 704.645+/-0.206 χ^2/NDF:477237.2/6

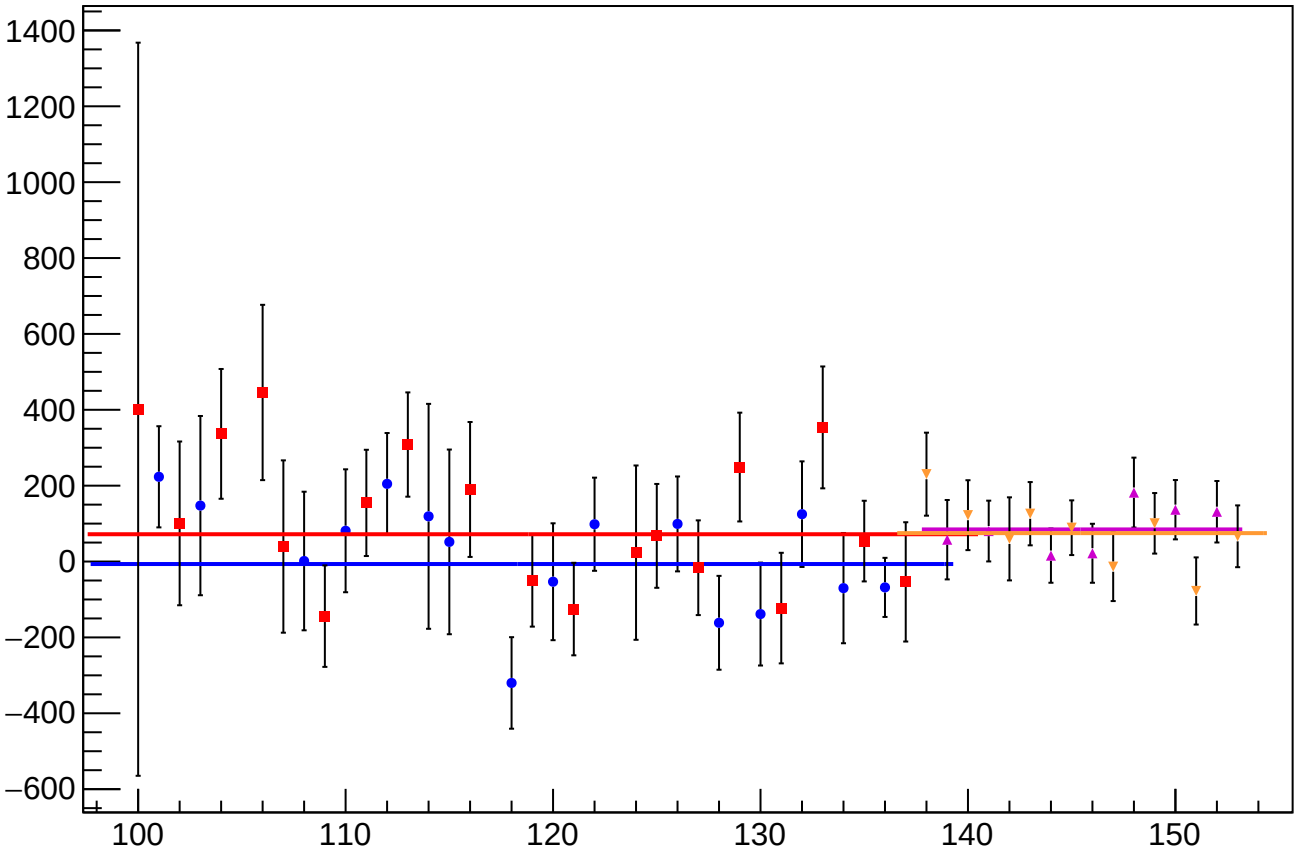
Left: 715.034+/-0.143 χ^2/NDF: 1024997.3/15

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 854.992+/-0.177 χ^2/NDF:3085225.5/22

Out: 870.166+/-0.173 χ^2/NDF:3234981.3/27

All: 862.763+/-0.124 χ^2/NDF: 6323975.4/50



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 74.888+/-29.137 χ^2/NDF:6.7/8

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 84.642+/-30.980 χ^2/NDF:3.5/6

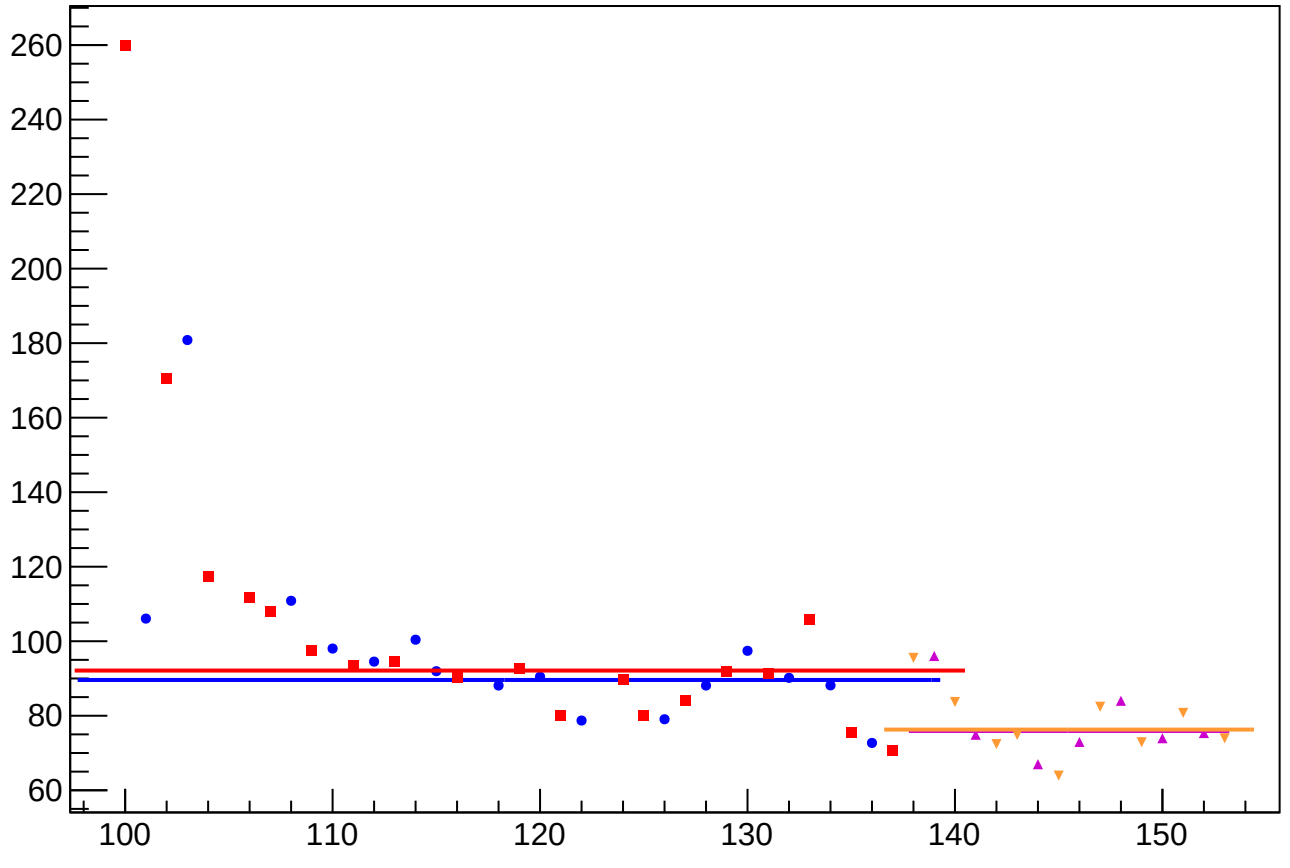
Left: 79.466+/-21.225 χ^2/NDF: 10.3/15

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 43.645+/-22.987 χ^2/NDF:26.4/22

Out: 73.693+/-22.363 χ^2/NDF:29.5/27

All: 59.082+/-16.029 χ^2/NDF: 56.7/50



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 76.286+/-0.021 χ^2/NDF:156177.5/8

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.916+/-0.022 χ^2/NDF:125057.3/6

Left: 76.112+/-0.015 χ^2/NDF: 281386.3/15

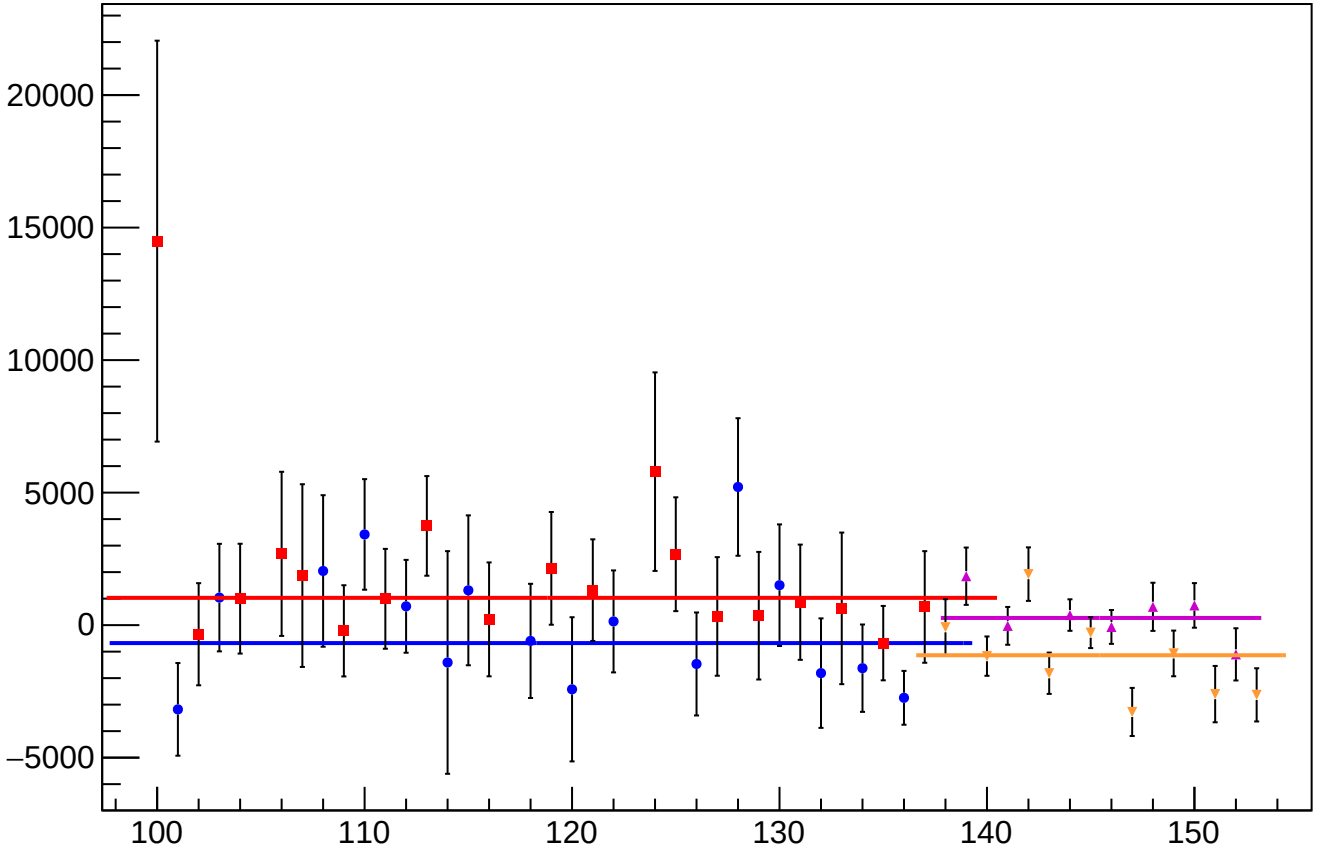
Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 82.068+/-0.016 χ^2/NDF:798919.6/22

Out: 82.797+/-0.016 χ^2/NDF:939483.3/27

All: 82.443+/-0.011 χ^2/NDF: 1739434.5/50

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: -1136.622+/-280.324 χ^2/NDF:22.8/8

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 270.823+/-291.644 χ^2/NDF:5.1/6

Left: -460.744+/-202.102 χ^2/NDF: 40.0/15

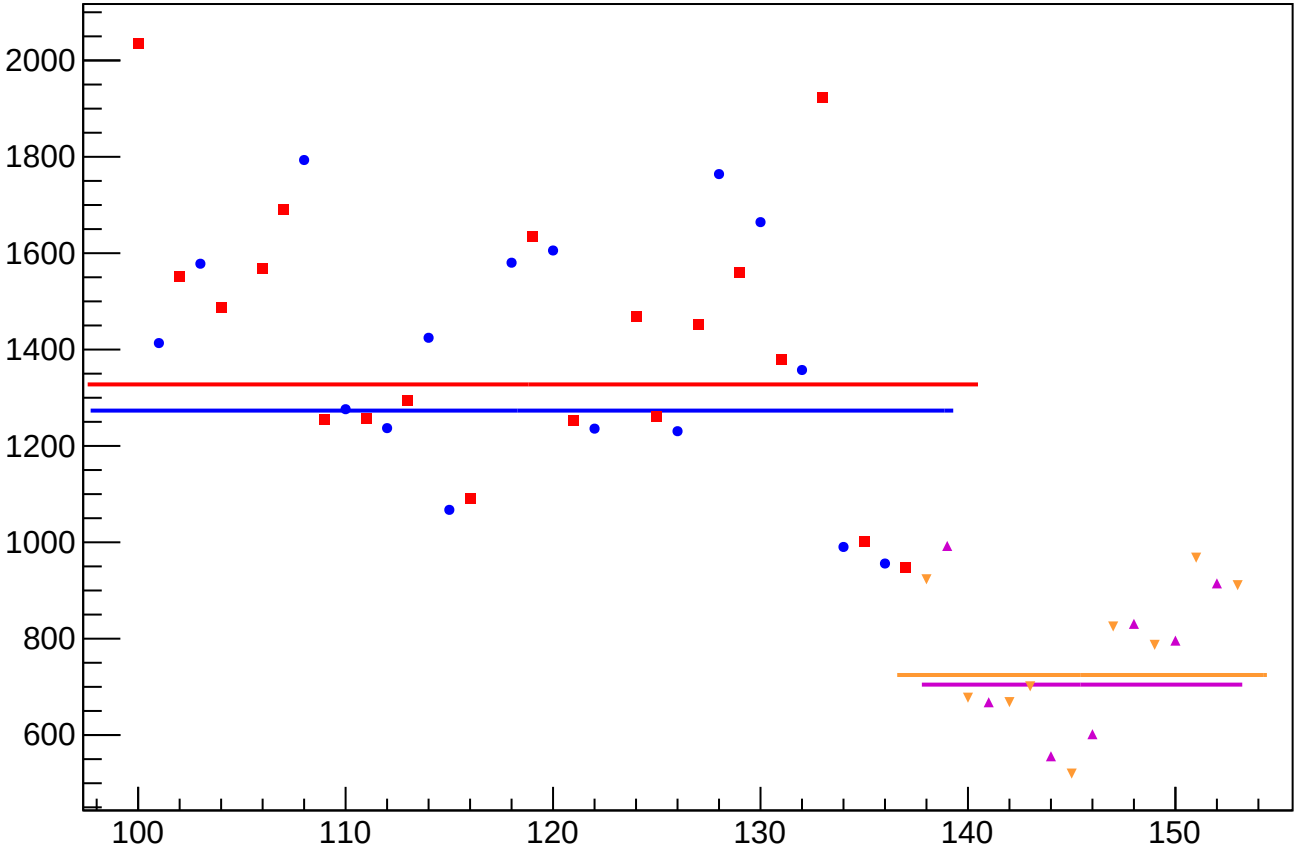
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 20.147+/-250.138 χ^2/NDF:28.1/22

Out: -613.880+/-244.166 χ^2/NDF:48.2/27

All: -304.526+/-174.724 χ^2/NDF: 79.6/50

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: 724.633+/-0.198 χ^2/NDF:542877.2/8

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 704.645+/-0.206 χ^2/NDF:477237.2/6

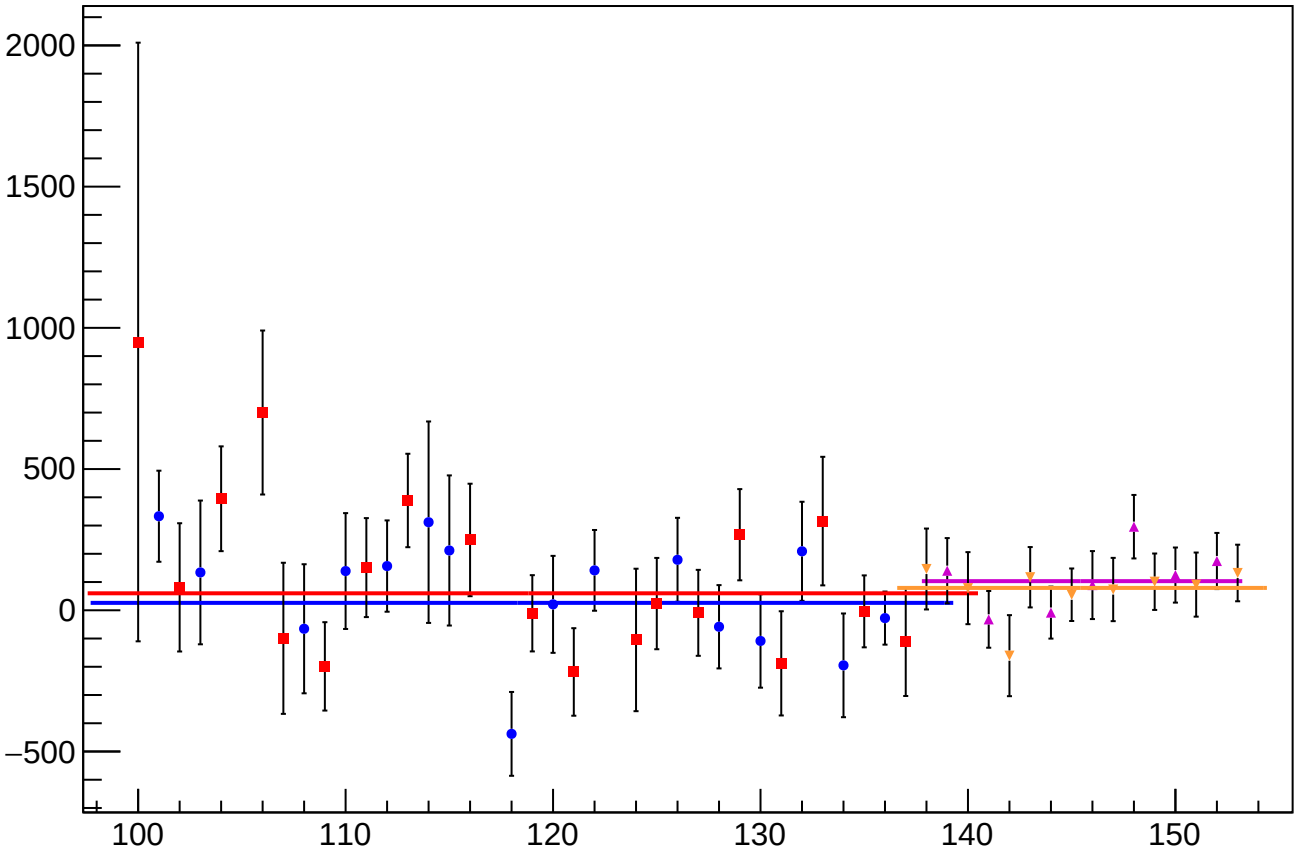
Left: 715.034+/-0.143 χ^2/NDF: 1024997.3/15

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 854.992+/-0.177 χ^2/NDF:3085225.5/22

Out: 870.166+/-0.173 χ^2/NDF:3234981.3/27

All: 862.763+/-0.124 χ^2/NDF: 6323975.4/50



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 79.188+/-37.288 χ^2/NDF:3.5/8

Right Out: 60.119+/-41.528 χ^2/NDF: 27.0/18

Left In: 103.152+/-39.333 χ^2/NDF:6.9/6

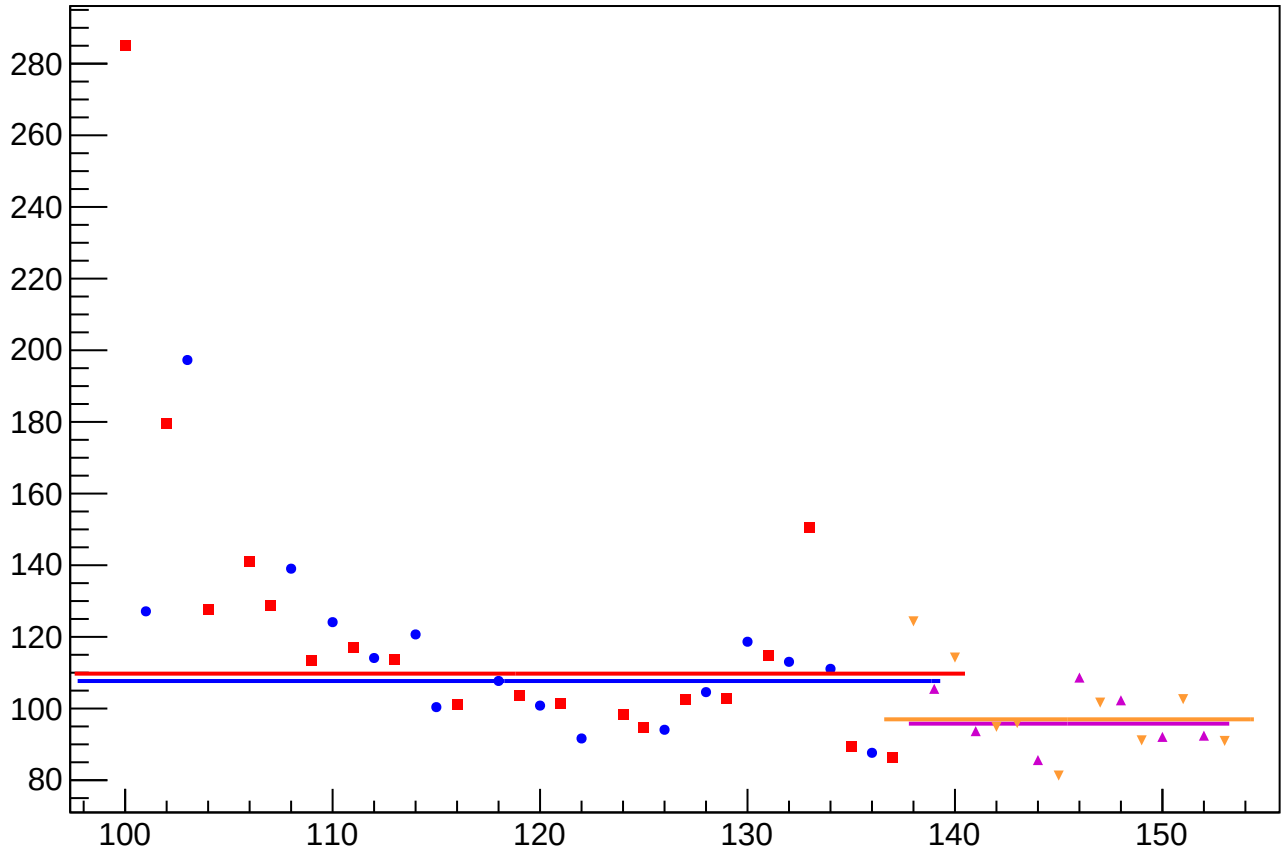
Left: 90.531+/-27.061 χ^2/NDF: 10.6/15

Right: 43.059+/-29.255 χ^2/NDF: 48.7/34

In: 66.502+/-28.456 χ^2/NDF:30.1/22

Out: 70.677+/-27.745 χ^2/NDF:30.7/27

All: 68.642+/-19.865 χ^2/NDF: 60.8/50



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 96.989+/-0.026 χ^2/NDF:189597.0/8

Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 95.782+/-0.028 χ^2/NDF:74046.8/6

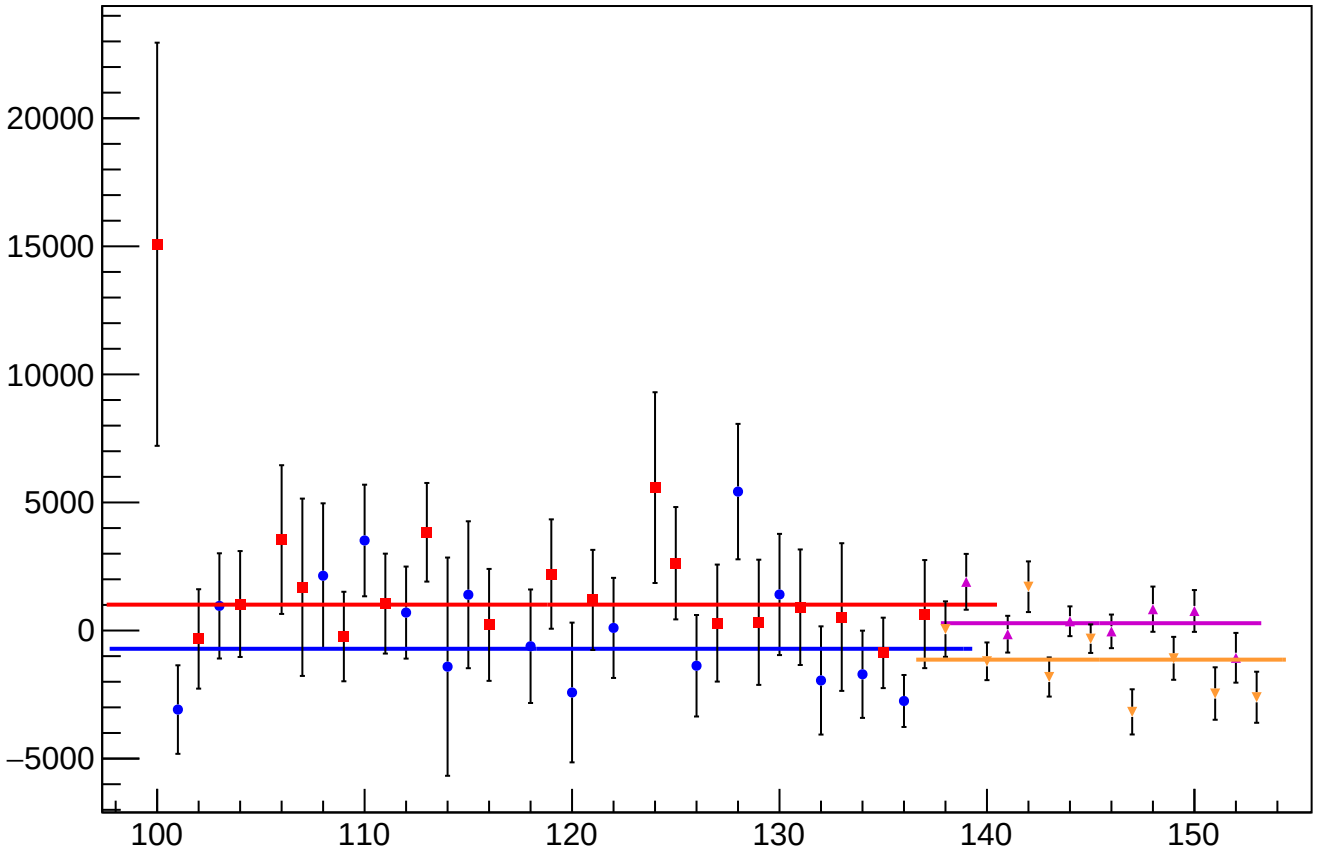
Left: 96.418+/-0.019 χ^2/NDF: 264634.1/15

Right: 108.702+/-0.021 χ^2/NDF: 977390.9/34

In: 101.453+/-0.020 χ^2/NDF:644380.6/22

Out: 102.680+/-0.020 χ^2/NDF:785773.3/27

All: 102.082+/-0.014 χ^2/NDF: 1432061.2/50



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -1136.748+/-273.903 χ^2/NDF:21.6/8

Right Out: 1010.557+/-501.374 χ^2/NDF: 11.8/18

Left In: 286.051+/-289.689 χ^2/NDF:5.5/6

Left: -465.170+/-199.025 χ^2/NDF: 39.8/15

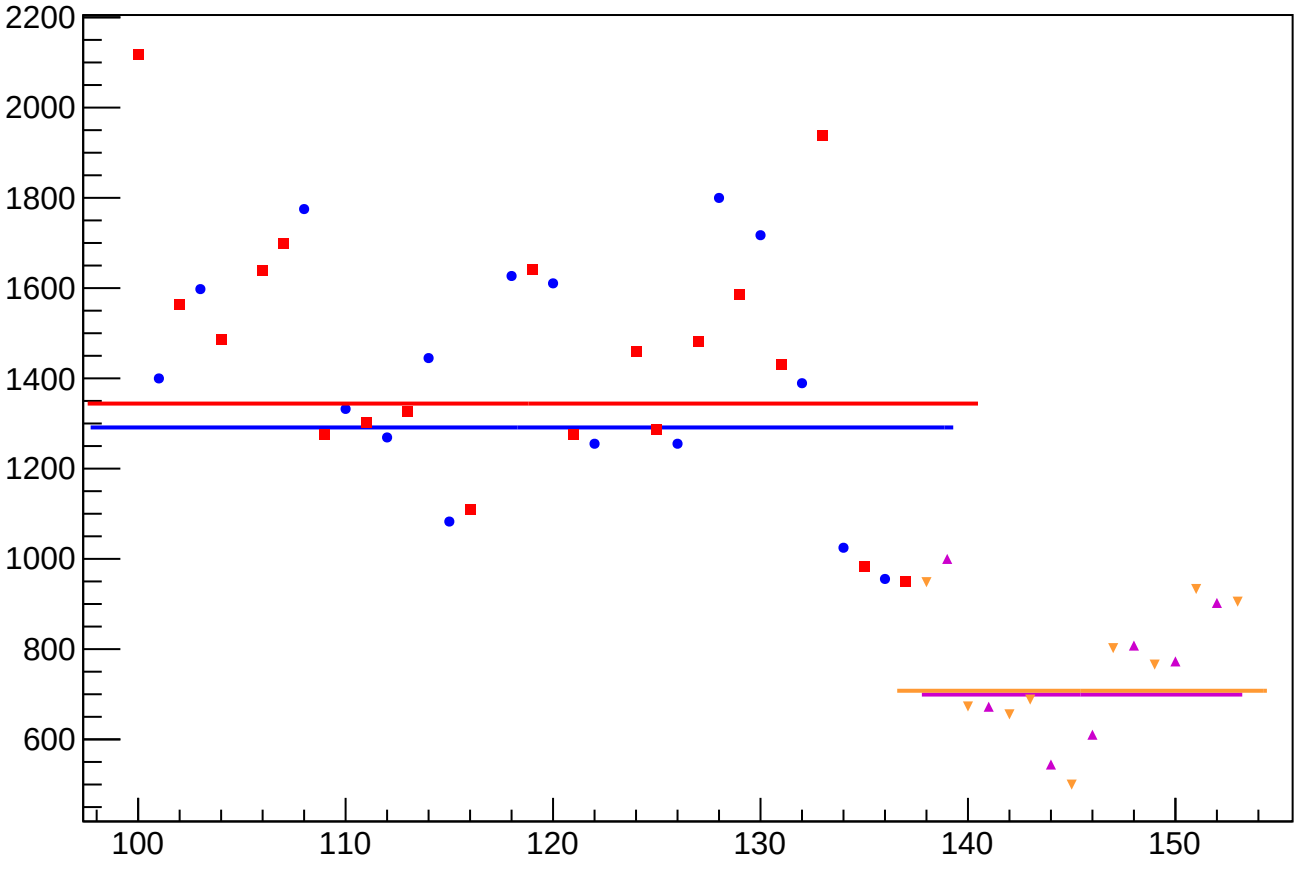
Right: 134.764+/-351.618 χ^2/NDF: 37.9/34

In: 29.859+/-249.794 χ^2/NDF:28.6/22

Out: -643.190+/-240.372 χ^2/NDF:47.5/27

All: -319.598+/-173.204 χ^2/NDF: 79.9/50

asym_sam_2468_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 707.754+/-0.194 χ^2/NDF:597062.6/8

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

Left In: 699.330+/-0.205 χ^2/NDF:468053.1/6

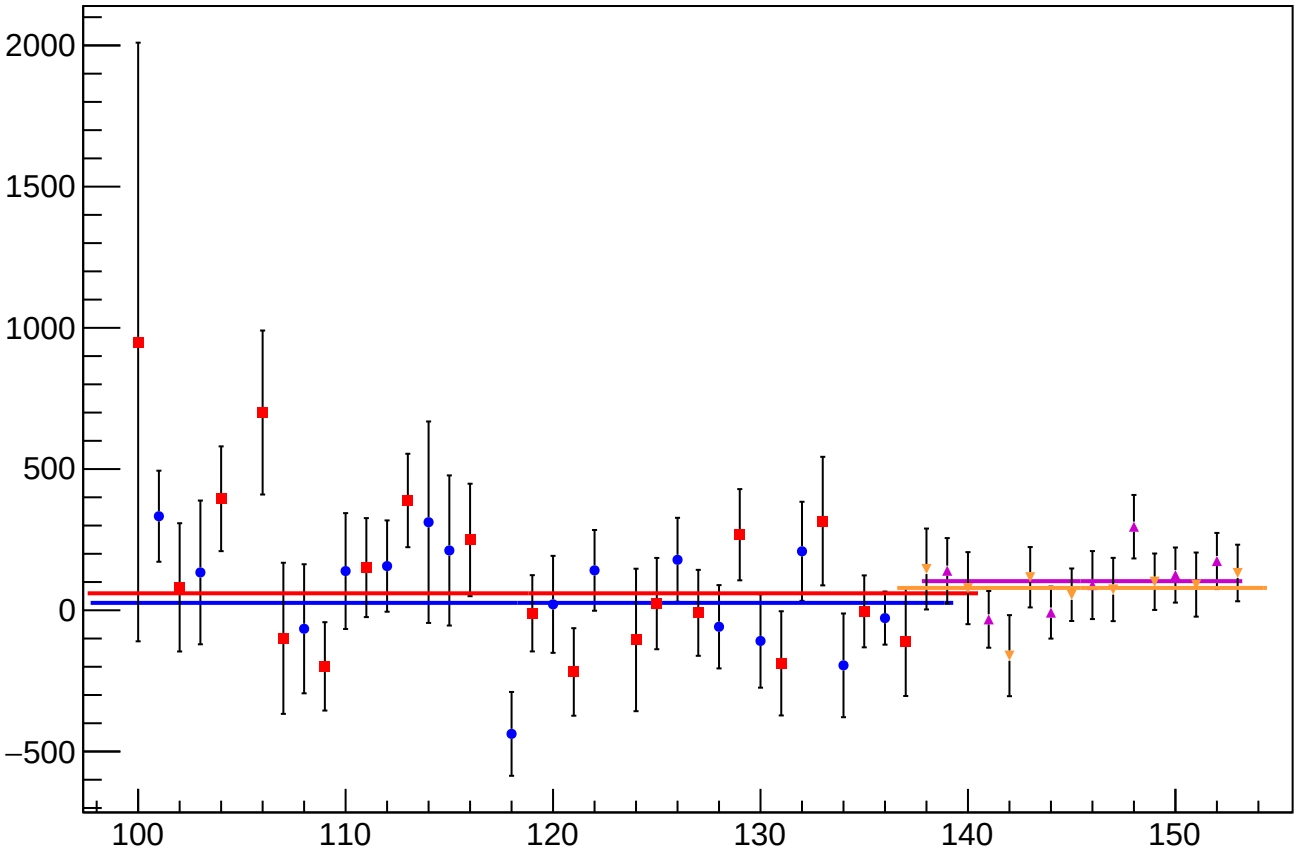
Left: 703.778+/-0.141 χ^2/NDF: 1066008.7/15

Right: 1317.239+/-0.249 χ^2/NDF: 1113173.0/34

In: 851.129+/-0.177 χ^2/NDF:3220257.8/22

Out: 854.023+/-0.170 χ^2/NDF:3569403.1/27

All: 852.632+/-0.122 χ^2/NDF: 6789800.2/50



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 79.188+/-37.288 χ^2/NDF:3.5/8

Right Out: 60.117+/-41.528 χ^2/NDF: 27.0/18

Left In: 103.153+/-39.333 χ^2/NDF:6.9/6

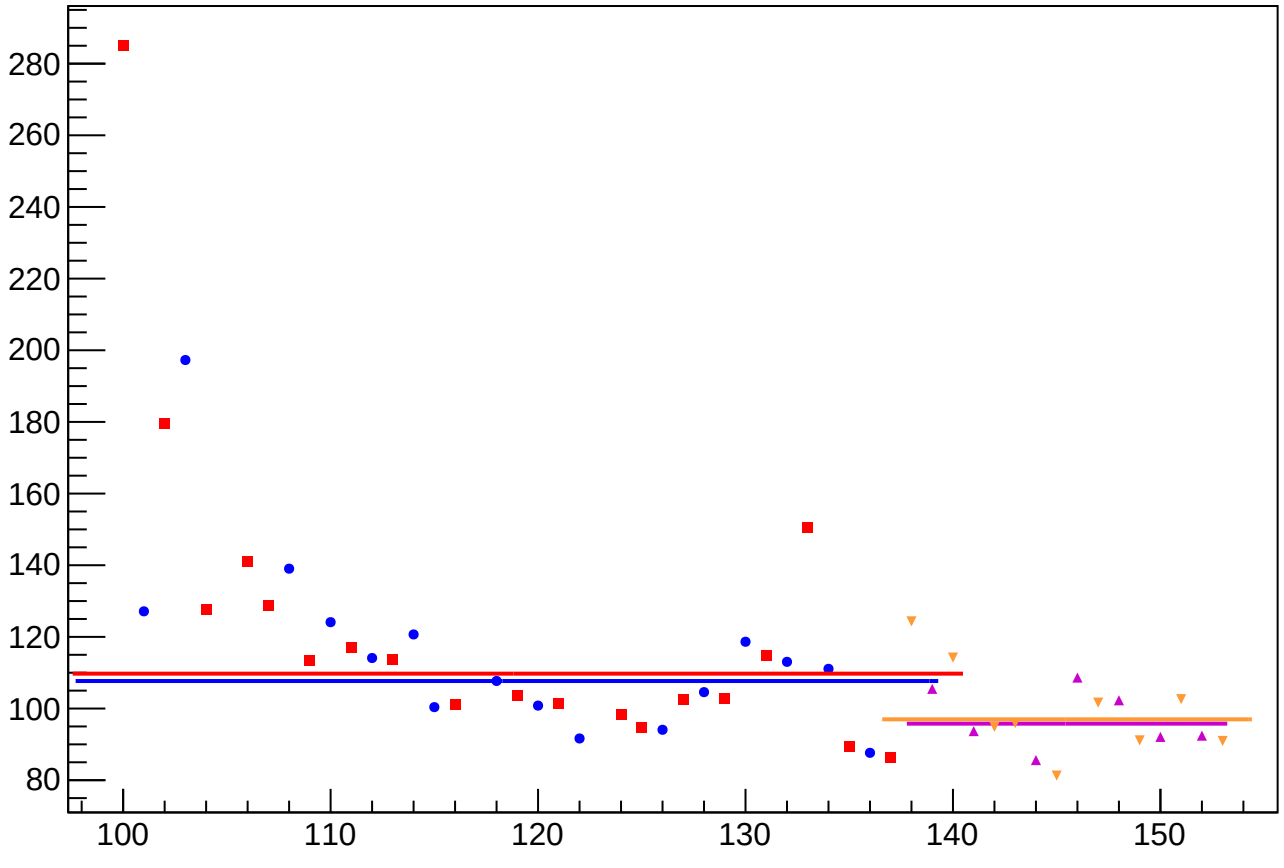
Left: 90.531+/-27.061 χ^2/NDF: 10.6/15

Right: 43.058+/-29.255 χ^2/NDF: 48.7/34

In: 66.502+/-28.456 χ^2/NDF:30.1/22

Out: 70.676+/-27.745 χ^2/NDF:30.7/27

All: 68.642+/-19.865 χ^2/NDF: 60.8/50



Right In: 107.679+/-0.029 χ^2/NDF: 483112.2/15

Left Out: 96.989+/-0.026 χ^2/NDF:189584.7/8

Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 95.783+/-0.028 χ^2/NDF:74044.0/6

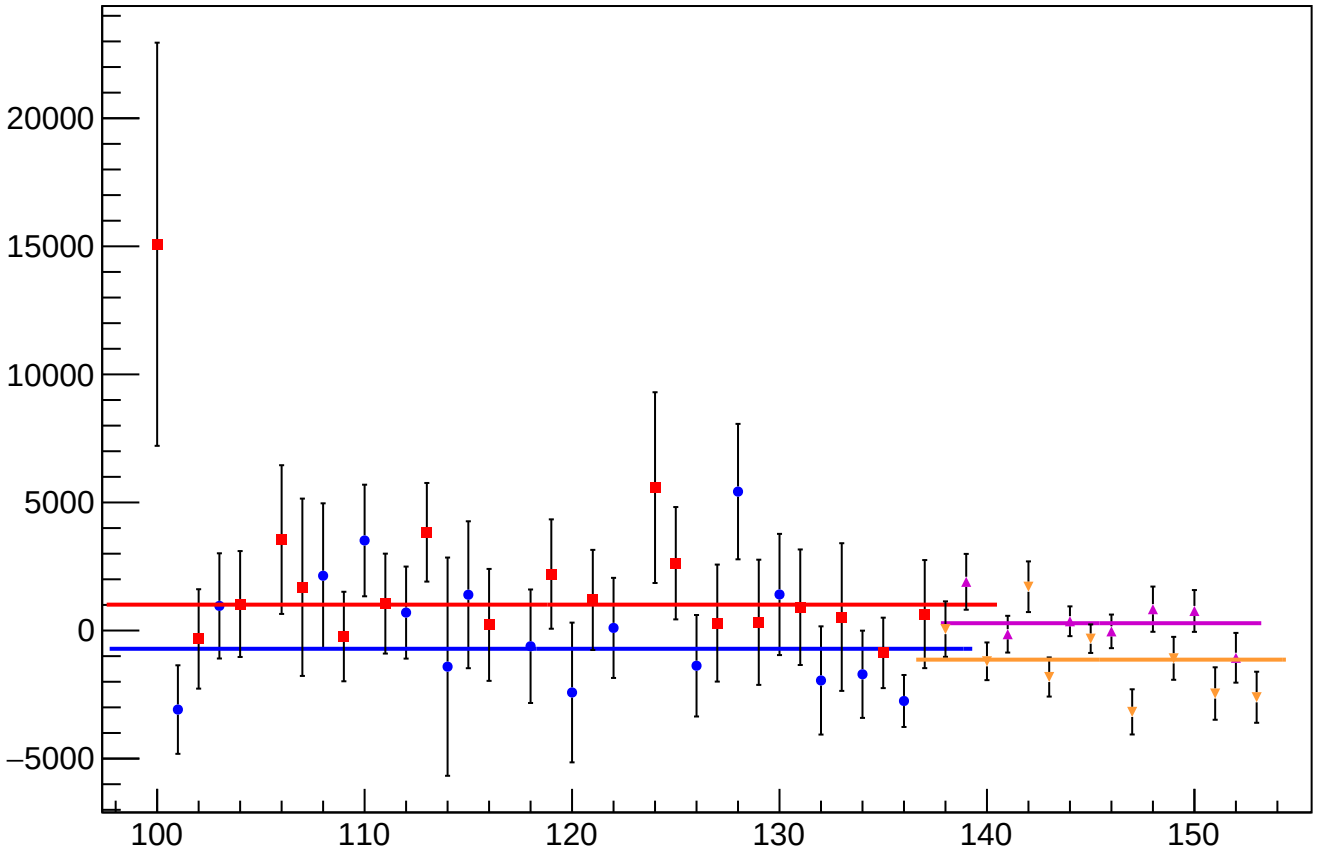
Left: 96.418+/-0.019 χ^2/NDF: 264619.0/15

Right: 108.701+/-0.021 χ^2/NDF: 977375.0/34

In: 101.453+/-0.020 χ^2/NDF:644347.3/22

Out: 102.680+/-0.020 χ^2/NDF:785740.3/27

All: 102.082+/-0.014 χ^2/NDF: 1431995.2/50



Right In: -712.881+/-493.252 χ^2/NDF: 20.1/15

Left Out: -1136.748+/-273.902 χ^2/NDF:21.6/8

Right Out: 1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: 286.051+/-289.688 χ^2/NDF:5.5/6

Left: -465.170+/-199.025 χ^2/NDF: 39.8/15

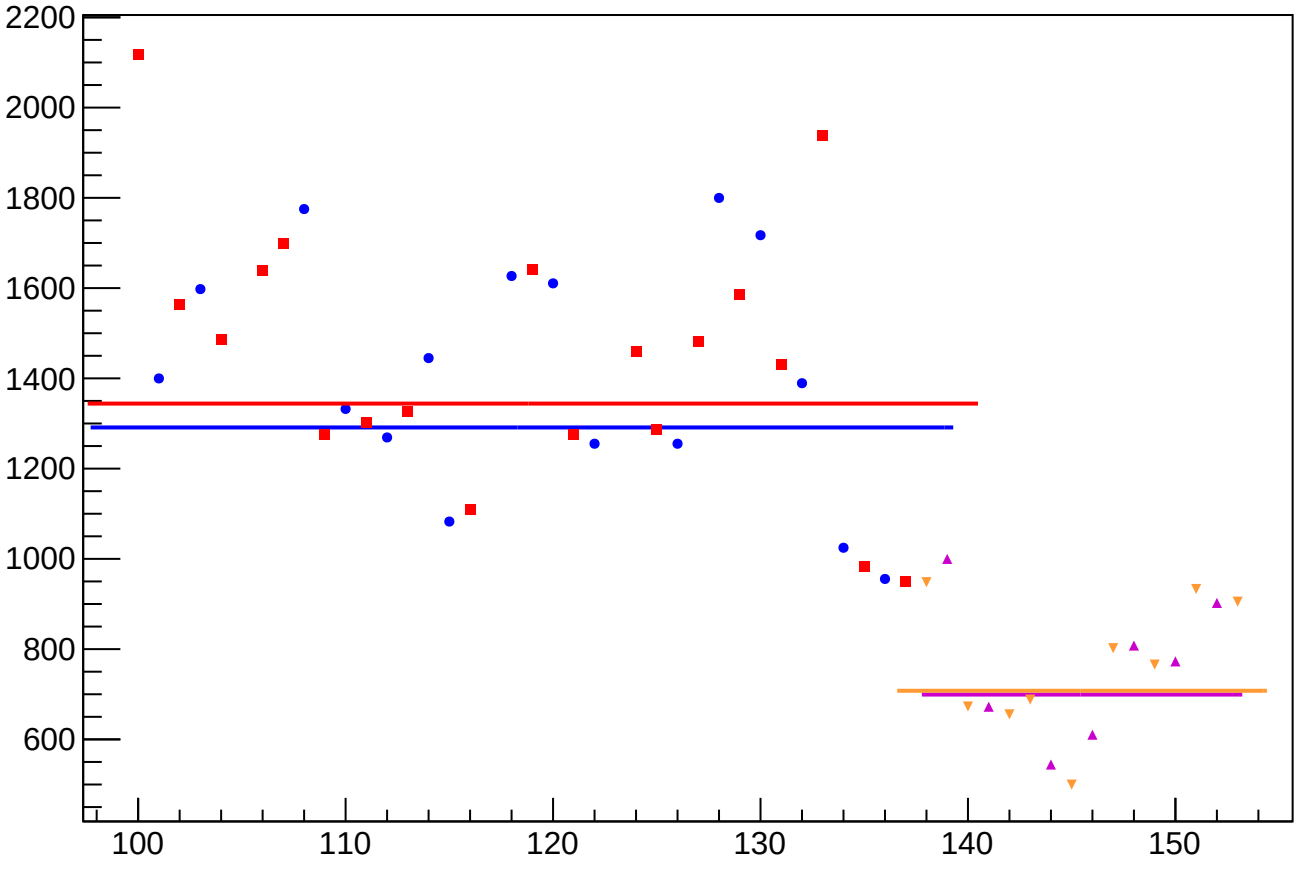
Right: 134.766+/-351.618 χ^2/NDF: 37.9/34

In: 29.860+/-249.794 χ^2/NDF:28.6/22

Out: -643.189+/-240.372 χ^2/NDF:47.5/27

All: -319.598+/-173.204 χ^2/NDF: 79.9/50

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: 707.753+/-0.194 χ^2/NDF:597068.2/8

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

Left In: 699.329+/-0.205 χ^2/NDF:468052.2/6

Left: 703.777+/-0.141 χ^2/NDF: 1066013.2/15

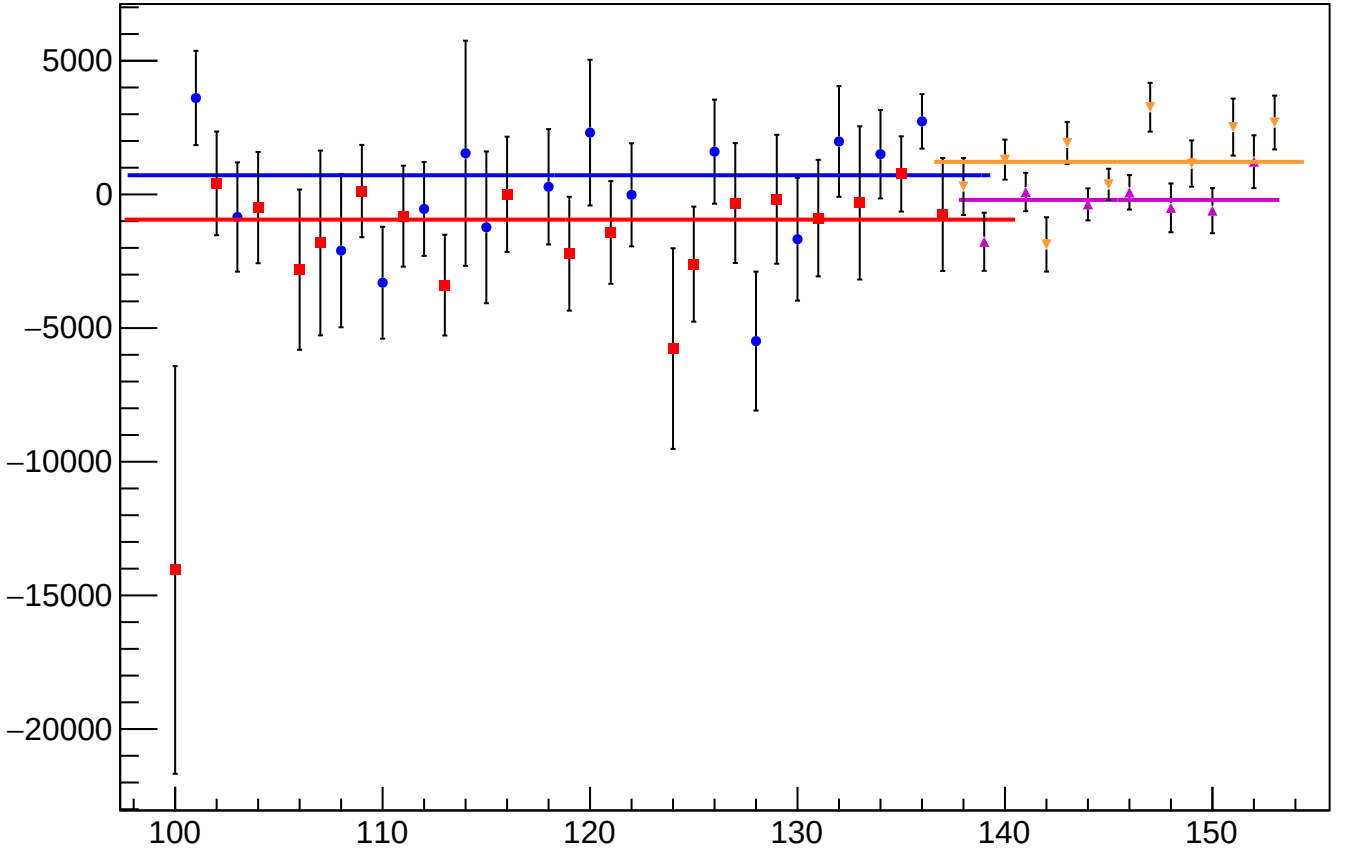
Right: 1317.235+/-0.249 χ^2/NDF: 1113170.2/34

In: 851.128+/-0.177 χ^2/NDF:3220249.8/22

Out: 854.021+/-0.170 χ^2/NDF:3569407.7/27

All: 852.630+/-0.122 χ^2/NDF: 6789796.7/50

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 1218.448+/-282.012 χ^2/NDF:21.5/8

Right Out: -942.308+/-498.052 χ^2/NDF: 10.6/18

Left In: -204.278+/-293.470 χ^2/NDF:4.9/6

Left: 535.401+/-203.342 χ^2/NDF: 38.7/15

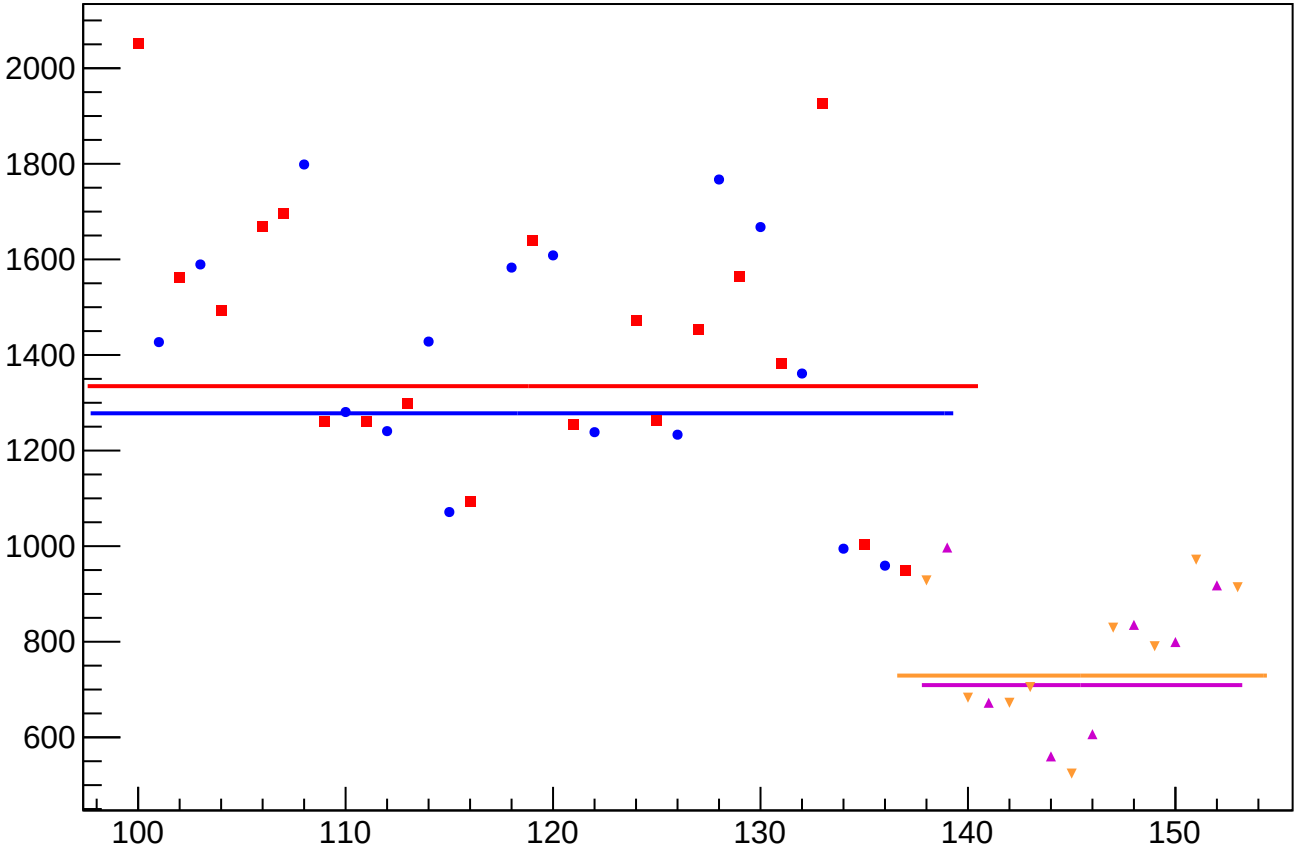
Right: -95.832+/-348.655 χ^2/NDF: 37.2/34

In: 40.398+/-251.528 χ^2/NDF:28.5/22

Out: 693.865+/-245.402 χ^2/NDF:46.4/27

All: 375.186+/-175.651 χ^2/NDF: 78.4/50

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 729.206+/-0.199 χ^2/NDF:535221.1/8

Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 709.267+/-0.208 χ^2/NDF:470765.0/6

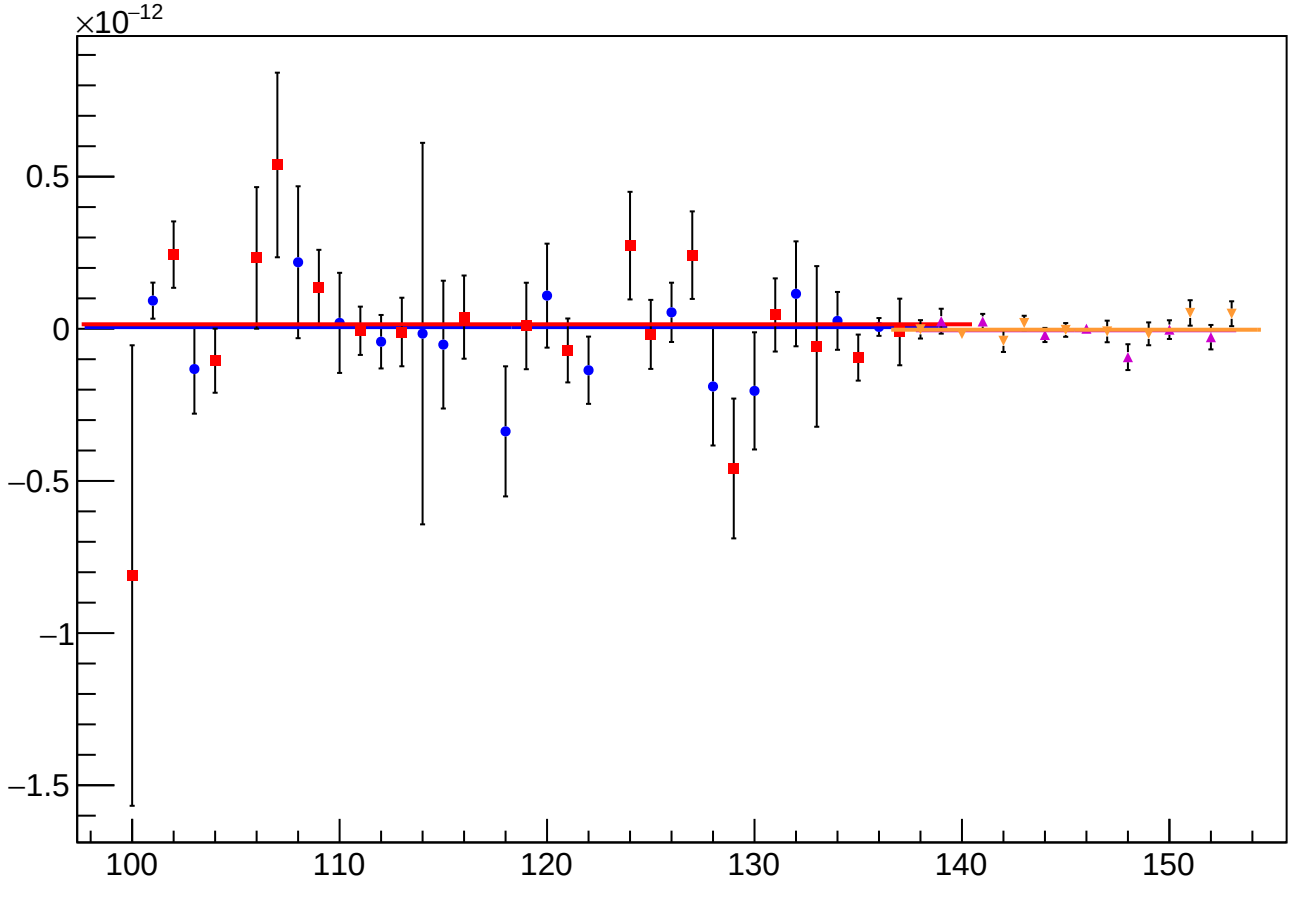
Left: 719.633+/-0.144 χ^2/NDF: 1010786.0/15

Right: 1305.812+/-0.247 χ^2/NDF: 1082827.2/34

In: 860.206+/-0.178 χ^2/NDF:3061849.4/22

Out: 876.224+/-0.174 χ^2/NDF:3246007.1/27

All: 868.413+/-0.124 χ^2/NDF: 6312012.2/50



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.2/8

Right Out: 0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: -0.000+/-0.000 χ^2/NDF:7.1/6

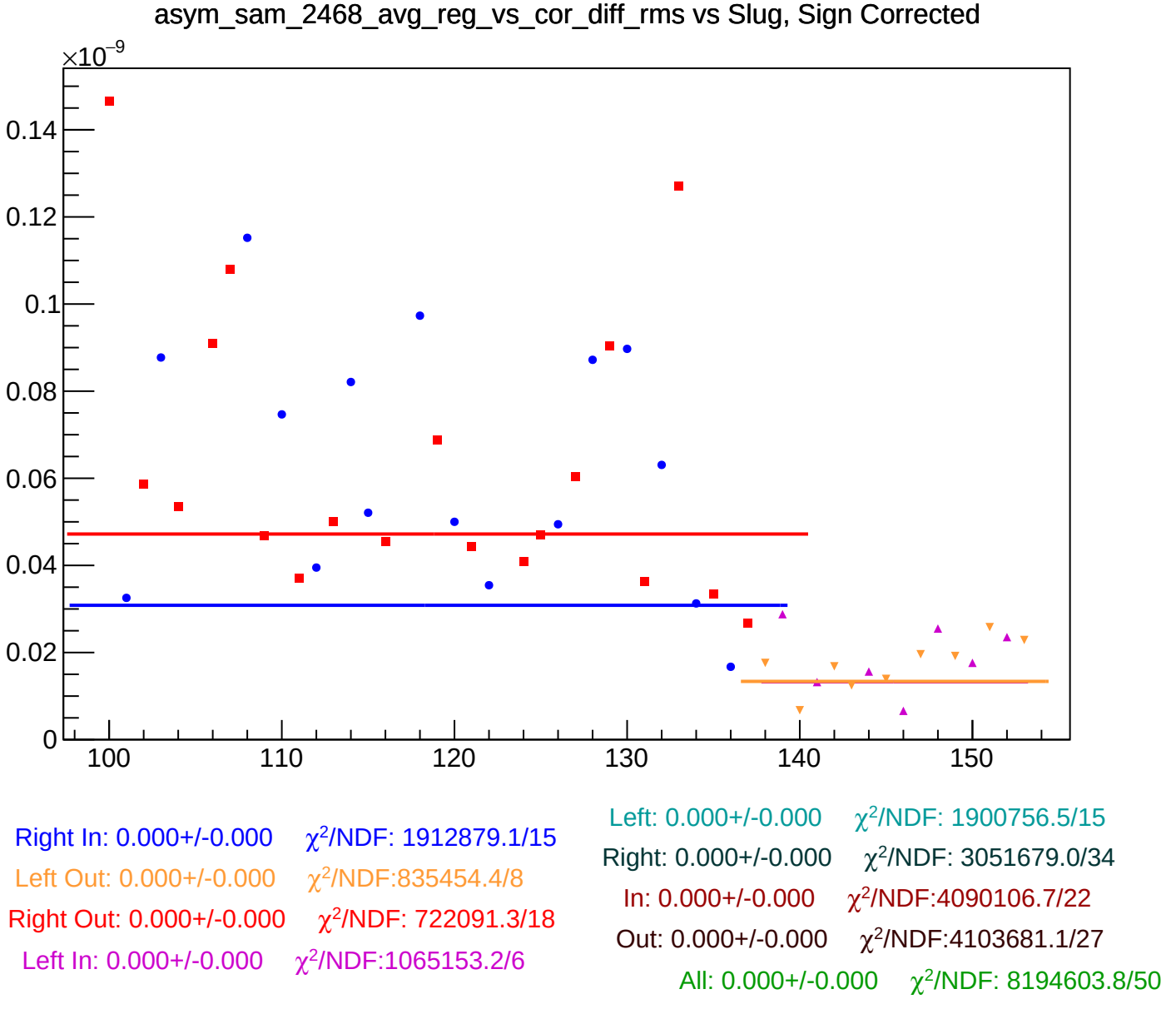
Left: -0.000+/-0.000 χ^2/NDF: 13.4/15

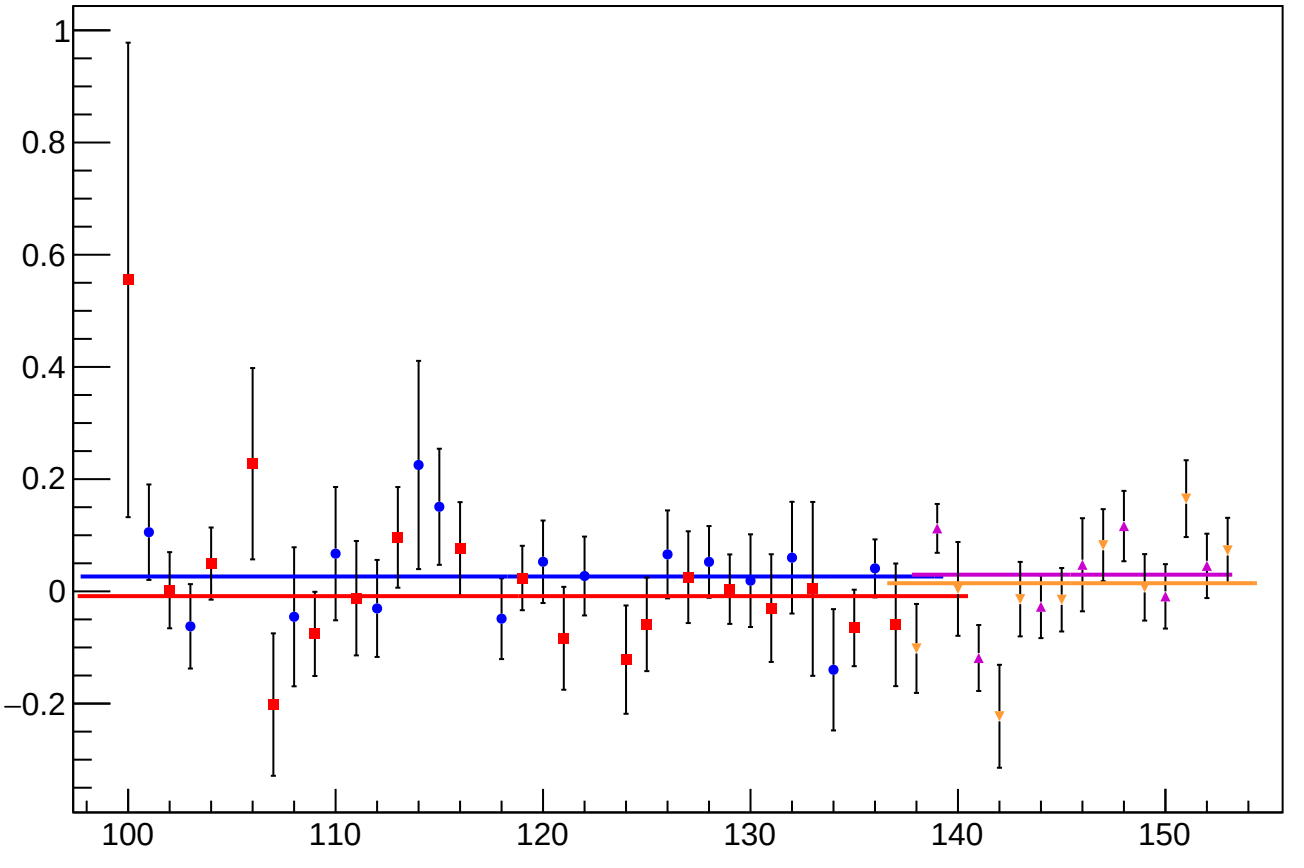
Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: -0.000+/-0.000 χ^2/NDF:18.9/22

Out: -0.000+/-0.000 χ^2/NDF:30.4/27

All: -0.000+/-0.000 χ^2/NDF: 49.3/50


asym_sam_2468_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 1912879.1/15
Left Out: 0.000+/-0.000 χ²/NDF:835454.4/8
Right Out: 0.000+/-0.000 χ²/NDF: 722091.3/18
Left In: 0.000+/-0.000 χ²/NDF:1065153.2/6
Left: 0.000+/-0.000 χ²/NDF: 1900756.5/15
Right: 0.000+/-0.000 χ²/NDF: 3051679.0/34
In: 0.000+/-0.000 χ²/NDF:4090106.7/22
Out: 0.000+/-0.000 χ²/NDF:4103681.1/27
All: 0.000+/-0.000 χ²/NDF: 8194603.8/50



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.015+/-0.022 χ^2/NDF:16.3/8

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.030+/-0.022 χ^2/NDF:13.5/6

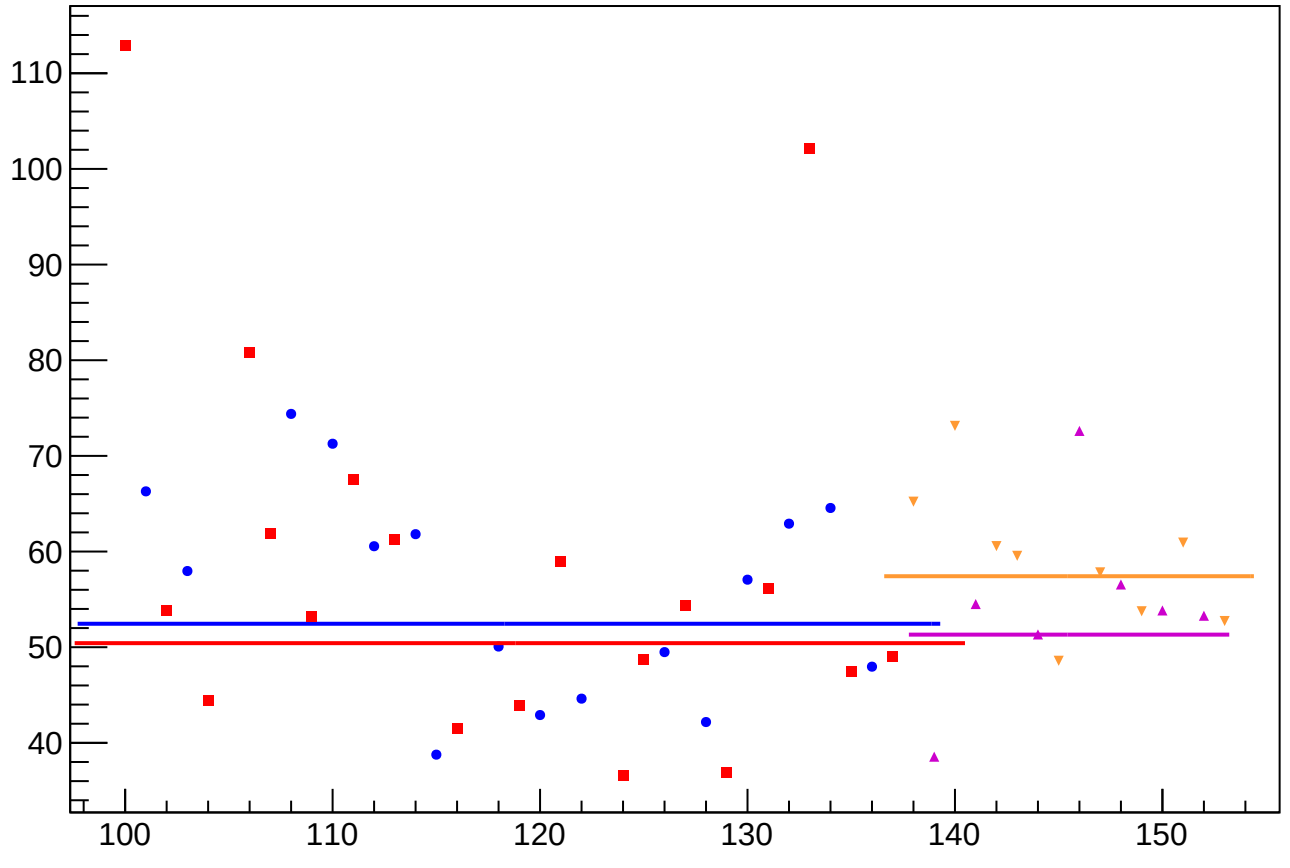
Left: 0.022+/-0.016 χ^2/NDF: 30.0/15

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.028+/-0.015 χ^2/NDF:23.4/22

Out: 0.001+/-0.015 χ^2/NDF:30.8/27

All: 0.015+/-0.010 χ^2/NDF: 55.9/50



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 57.420+/-0.016 χ^2/NDF:169257.4/8

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 51.314+/-0.015 χ^2/NDF:329592.2/6

Left: 54.260+/-0.011 χ^2/NDF: 575913.4/15

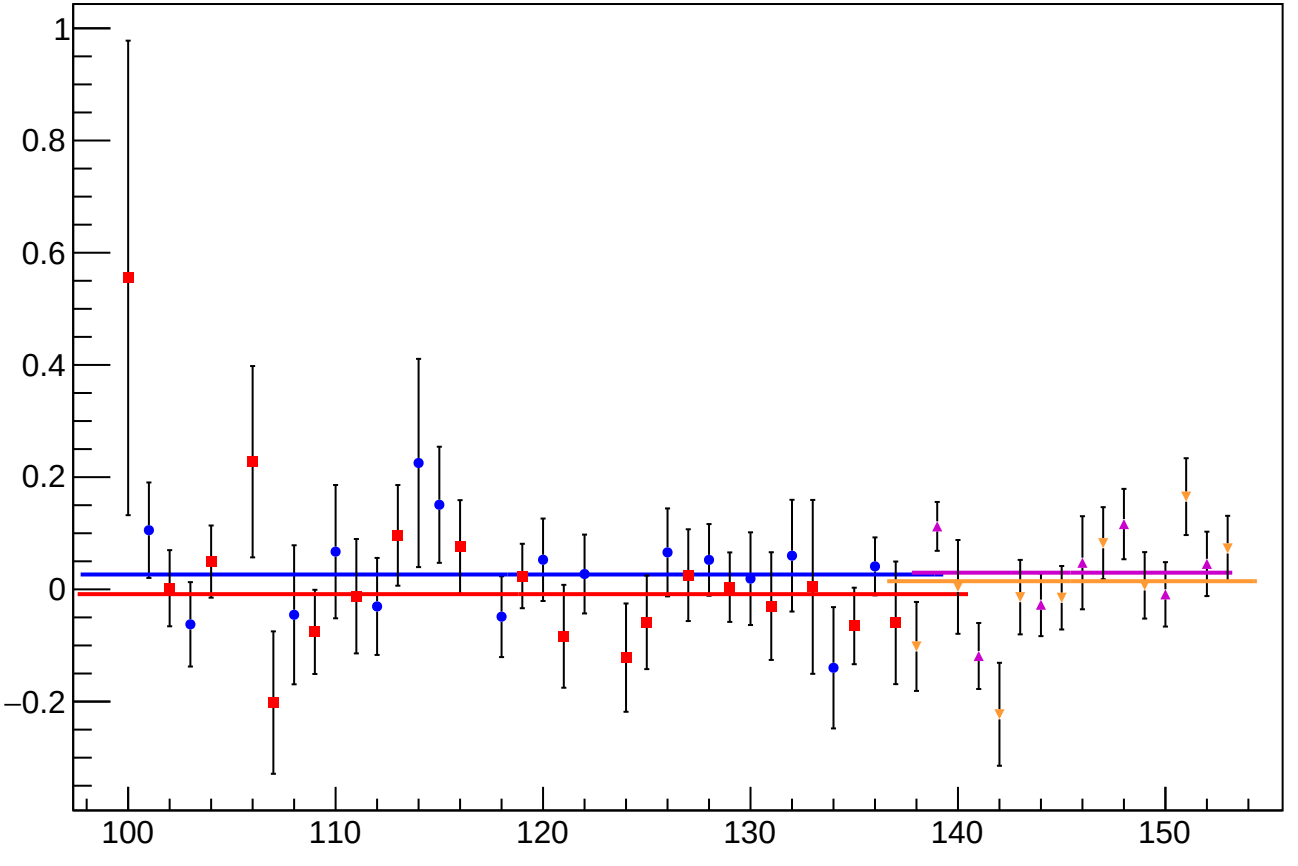
Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 51.915+/-0.010 χ^2/NDF:750532.0/22

Out: 53.439+/-0.010 χ^2/NDF:957266.8/27

All: 52.684+/-0.007 χ^2/NDF: 1718456.8/50

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: 0.015+/-0.022 χ^2/NDF:16.3/8

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.030+/-0.022 χ^2/NDF:13.5/6

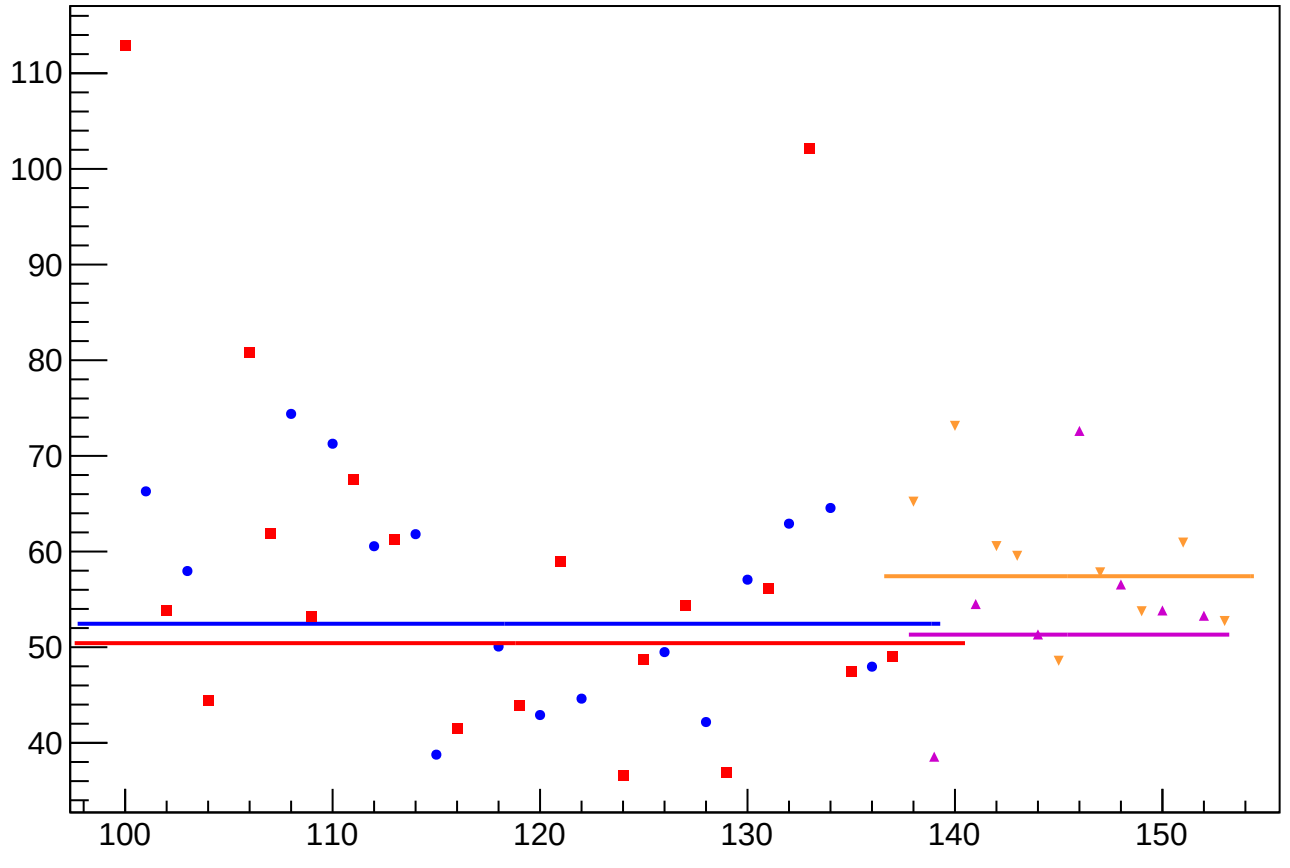
Left: 0.022+/-0.016 χ^2/NDF: 30.0/15

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.028+/-0.015 χ^2/NDF:23.4/22

Out: 0.001+/-0.015 χ^2/NDF:30.8/27

All: 0.015+/-0.010 χ^2/NDF: 55.9/50



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 57.420+/-0.016 χ^2/NDF:169257.4/8

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 51.314+/-0.015 χ^2/NDF:329592.2/6

Left: 54.260+/-0.011 χ^2/NDF: 575913.4/15

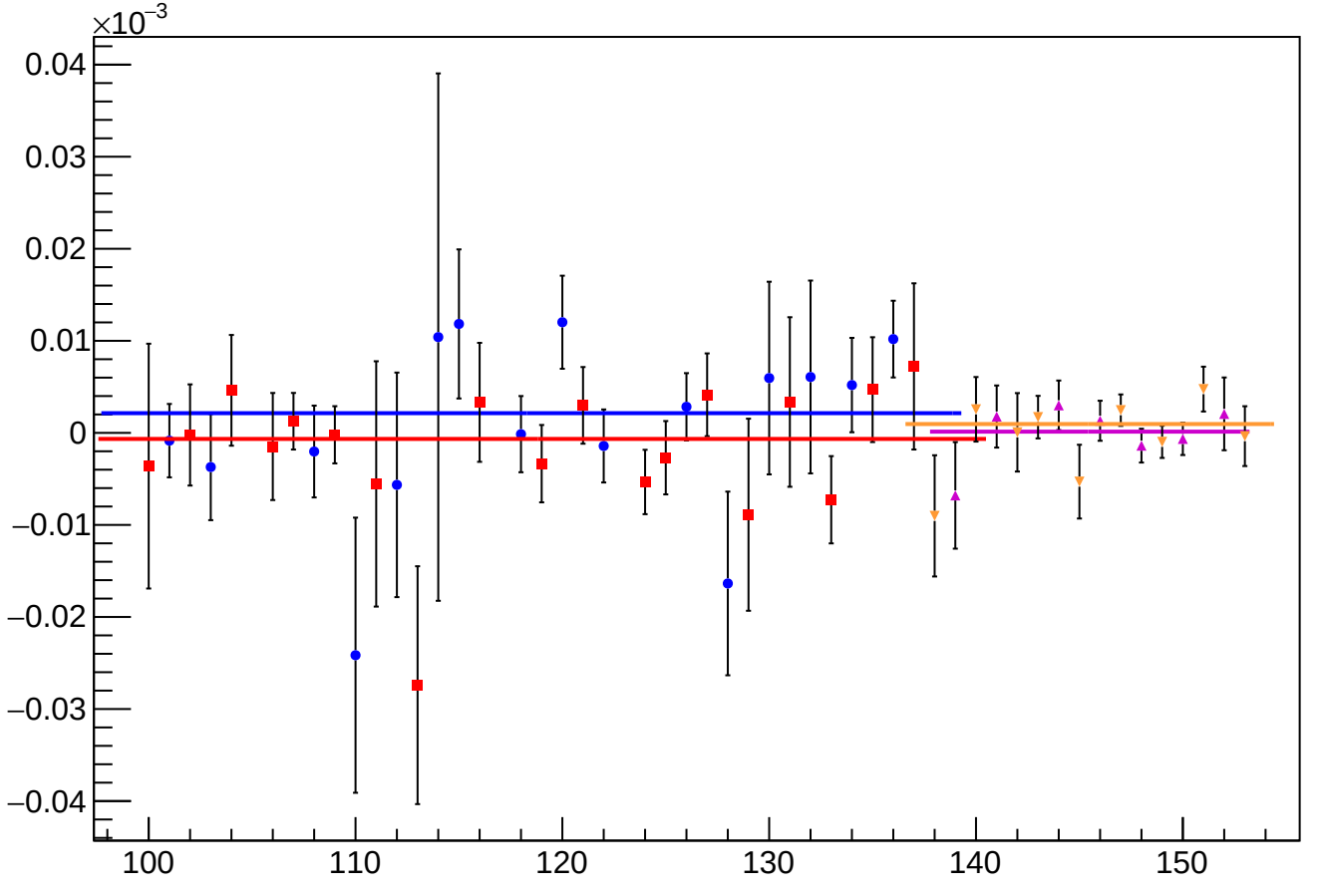
Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 51.915+/-0.010 χ^2/NDF:750532.0/22

Out: 53.439+/-0.010 χ^2/NDF:957266.8/27

All: 52.684+/-0.007 χ^2/NDF: 1718456.8/50

asym_sam_2468_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.7/8

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: 0.000+/-0.000 χ^2/NDF:4.2/6

Left: 0.000+/-0.000 χ^2/NDF: 14.3/15

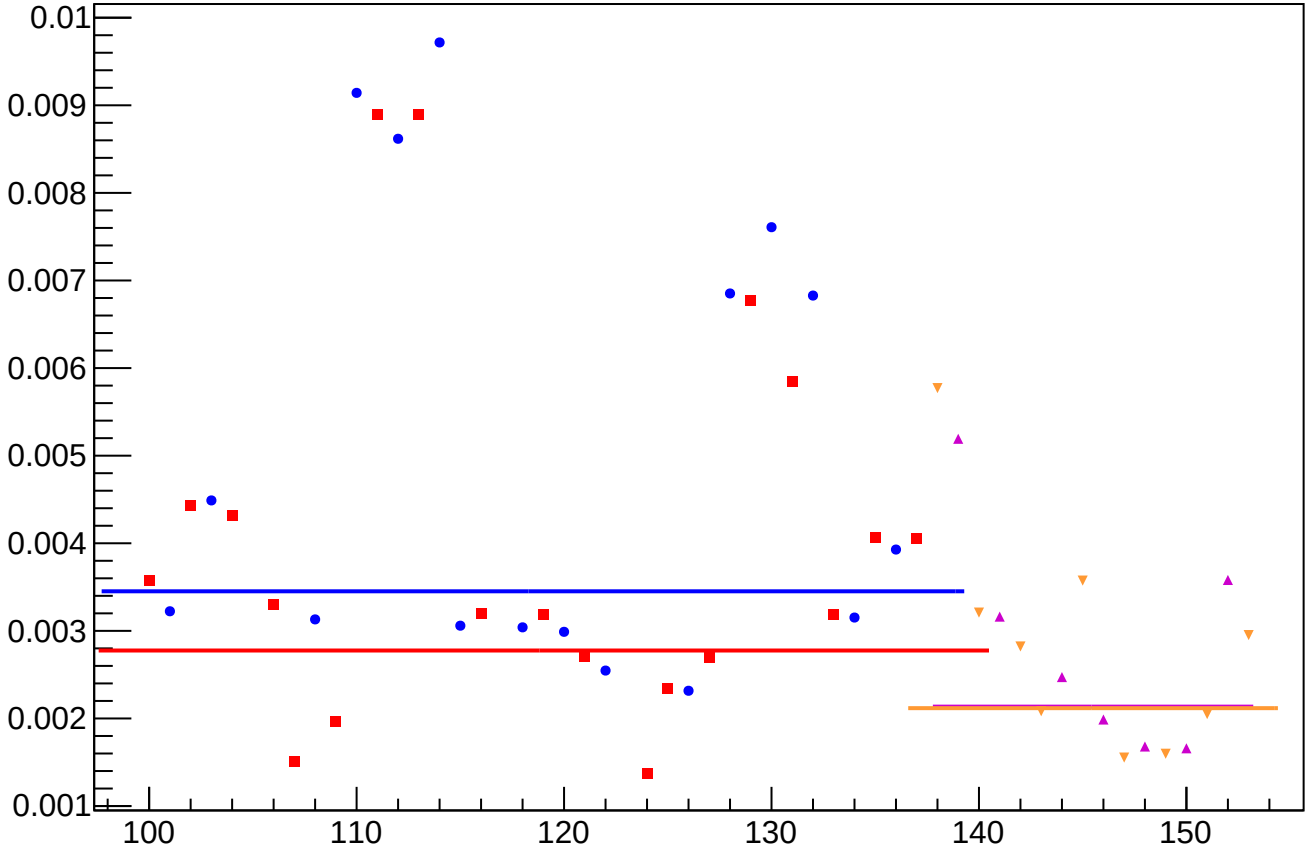
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:25.7/22

Out: 0.000+/-0.000 χ^2/NDF:25.8/27

All: 0.000+/-0.000 χ^2/NDF: 51.6/50

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:1657358.8/8

Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.002+/-0.000 χ^2/NDF:1322497.9/6

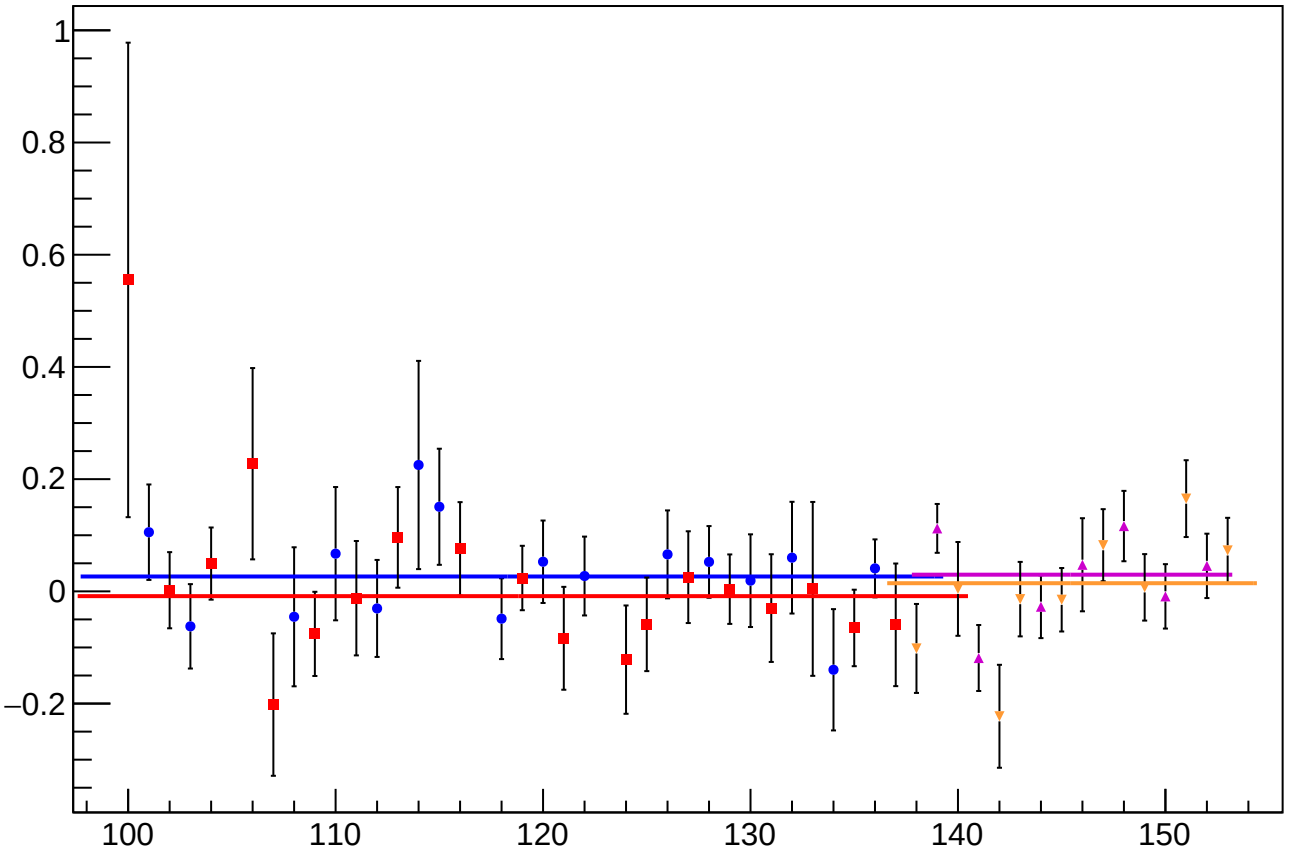
Left: 0.002+/-0.000 χ^2/NDF: 2980233.8/15

Right: 0.003+/-0.000 χ^2/NDF: 4968092.4/34

In: 0.003+/-0.000 χ^2/NDF:4517324.8/22

Out: 0.002+/-0.000 χ^2/NDF:4812052.0/27

All: 0.002+/-0.000 χ^2/NDF: 9396211.8/50



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.015+/-0.022 χ^2/NDF:16.3/8

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.030+/-0.022 χ^2/NDF:13.5/6

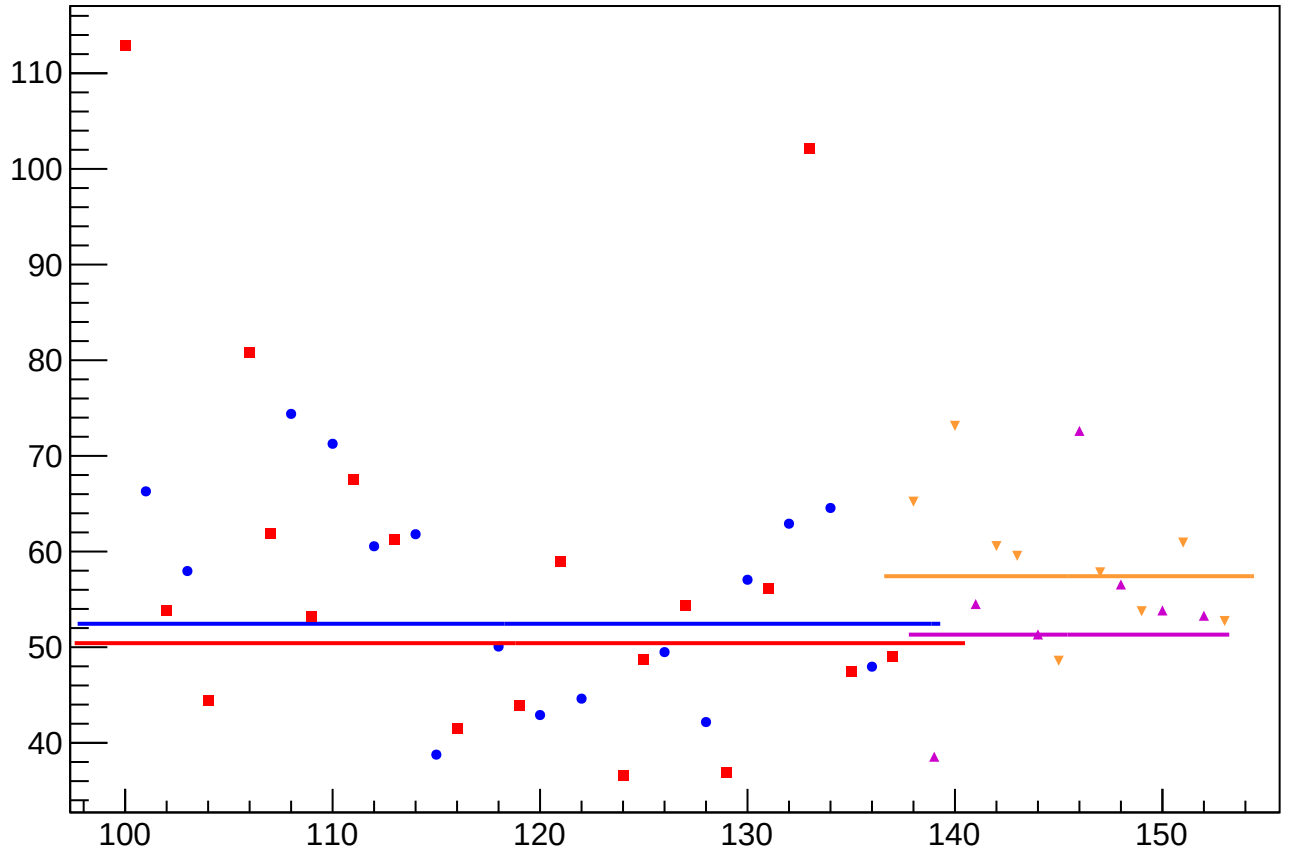
Left: 0.022+/-0.016 χ^2/NDF: 30.0/15

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.028+/-0.015 χ^2/NDF:23.4/22

Out: 0.001+/-0.015 χ^2/NDF:30.8/27

All: 0.015+/-0.010 χ^2/NDF: 55.9/50



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 57.421+/-0.016 χ^2/NDF:169229.8/8

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 51.315+/-0.015 χ^2/NDF:329640.0/6

Left: 54.261+/-0.011 χ^2/NDF: 575945.5/15

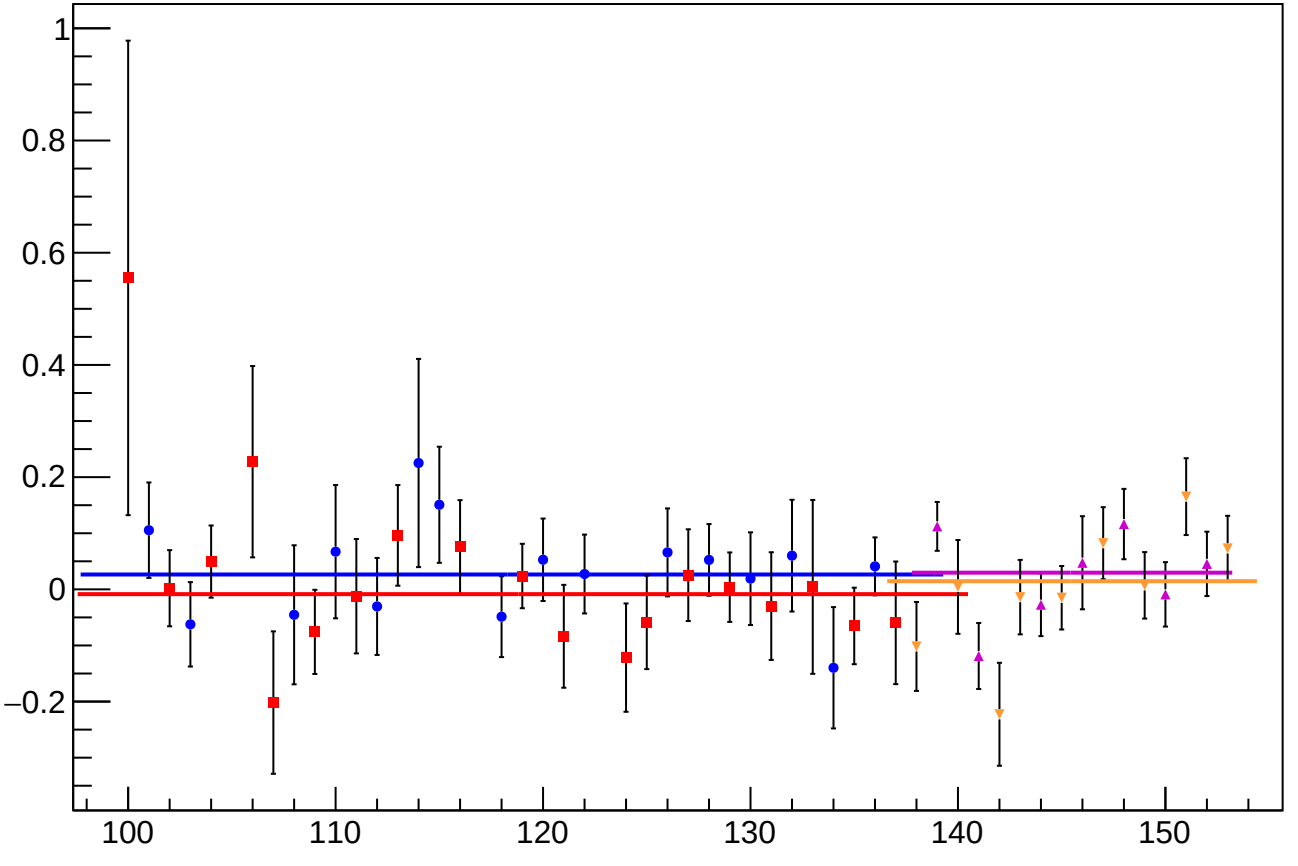
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 51.915+/-0.010 χ^2/NDF:750526.1/22

Out: 53.439+/-0.010 χ^2/NDF:957303.6/27

All: 52.684+/-0.007 χ^2/NDF: 1718488.7/50

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: 0.015+/-0.022 χ^2/NDF:16.3/8

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.030+/-0.022 χ^2/NDF:13.5/6

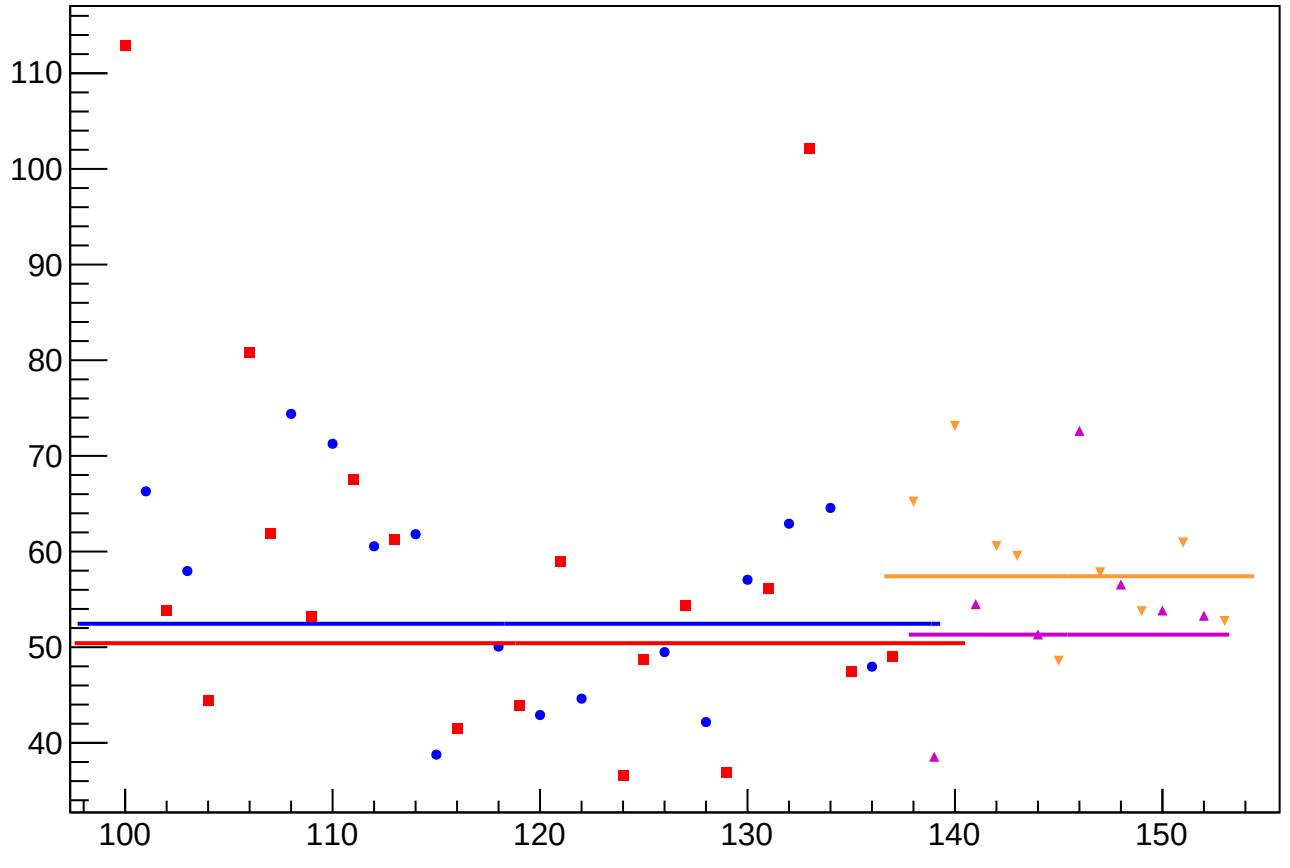
Left: 0.022+/-0.016 χ^2/NDF: 30.0/15

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.028+/-0.015 χ^2/NDF:23.4/22

Out: 0.001+/-0.015 χ^2/NDF:30.8/27

All: 0.015+/-0.010 χ^2/NDF: 55.9/50



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 57.421+/-0.016 χ^2/NDF:169229.8/8

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 51.315+/-0.015 χ^2/NDF:329640.0/6

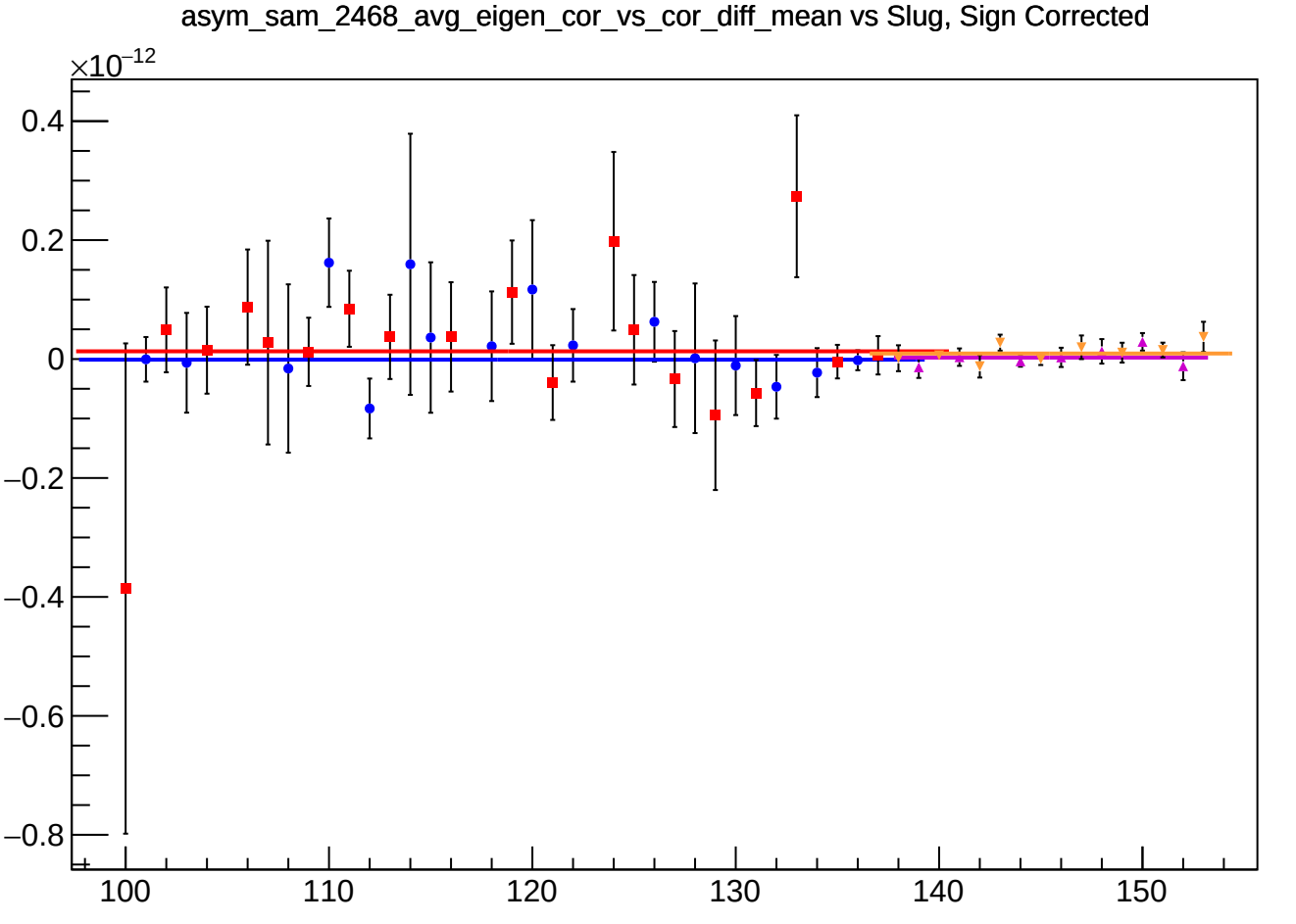
Left: 54.261+/-0.011 χ^2/NDF: 575945.5/15

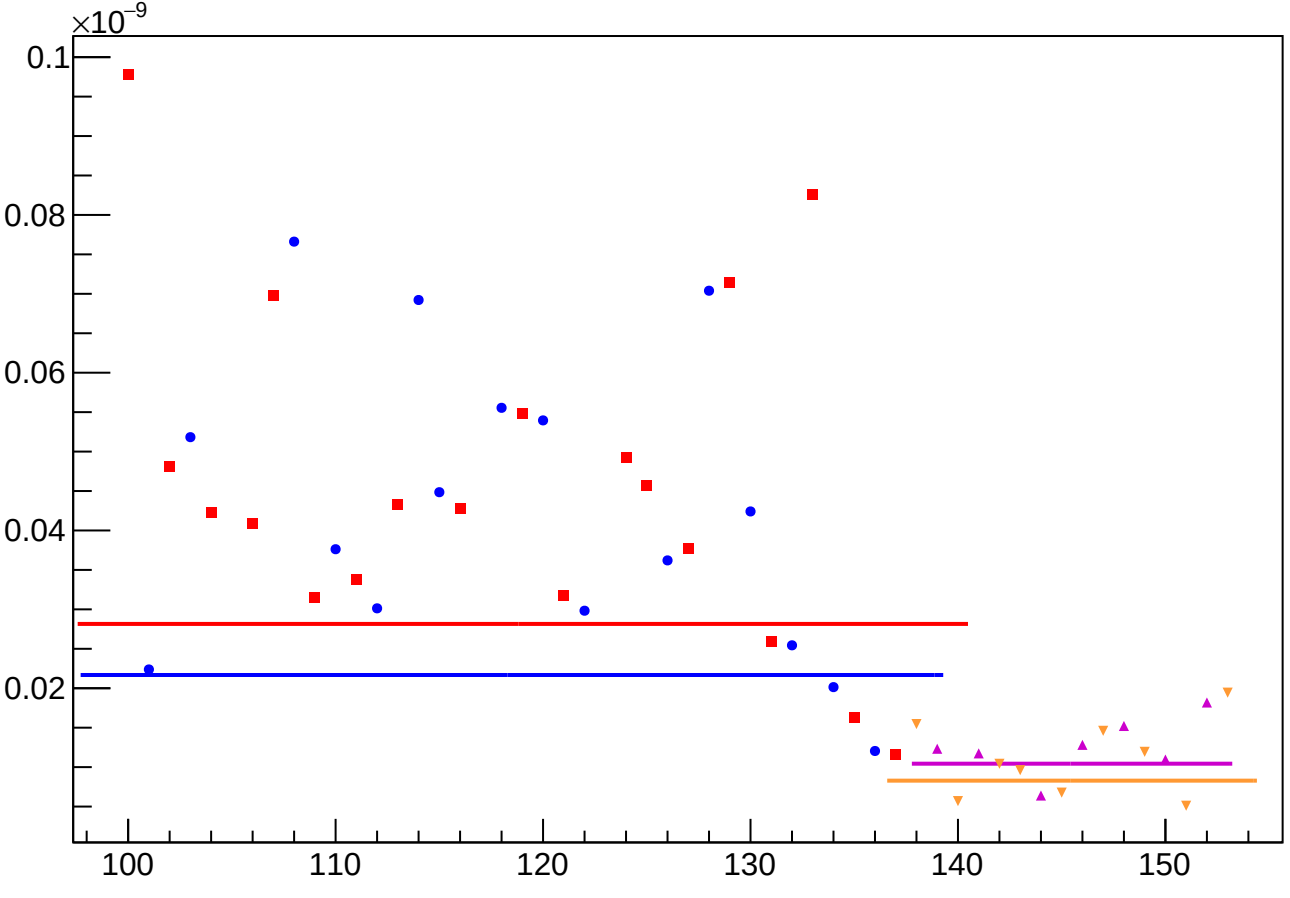
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 51.915+/-0.010 χ^2/NDF:750526.1/22

Out: 53.439+/-0.010 χ^2/NDF:957303.6/27

All: 52.684+/-0.007 χ^2/NDF: 1718488.7/50


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
Right In: -0.000+/-0.000 χ²/NDF: 11.3/15
Left Out: 0.000+/-0.000 χ²/NDF:6.0/8
Right Out: 0.000+/-0.000 χ²/NDF: 13.7/18
Left In: 0.000+/-0.000 χ²/NDF:5.2/6
Left: 0.000+/-0.000 χ²/NDF: 12.1/15
Right: 0.000+/-0.000 χ²/NDF: 25.5/34
In: 0.000+/-0.000 χ²/NDF:16.5/22
Out: 0.000+/-0.000 χ²/NDF:19.7/27
All: 0.000+/-0.000 χ²/NDF: 37.6/50



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1322518.6/8

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

Left In: 0.000+/-0.000 χ^2/NDF:807224.4/6

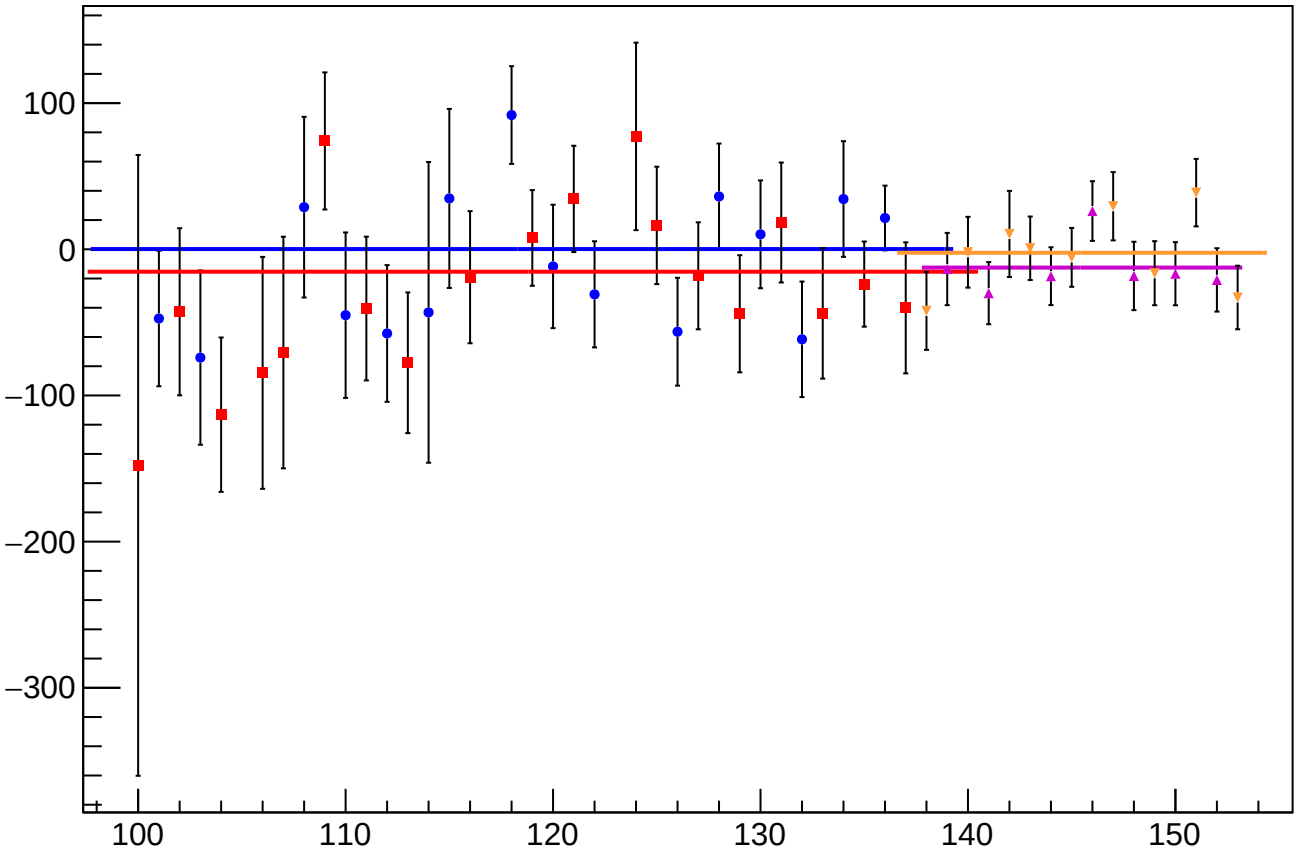
Left: 0.000+/-0.000 χ^2/NDF: 2311076.3/15

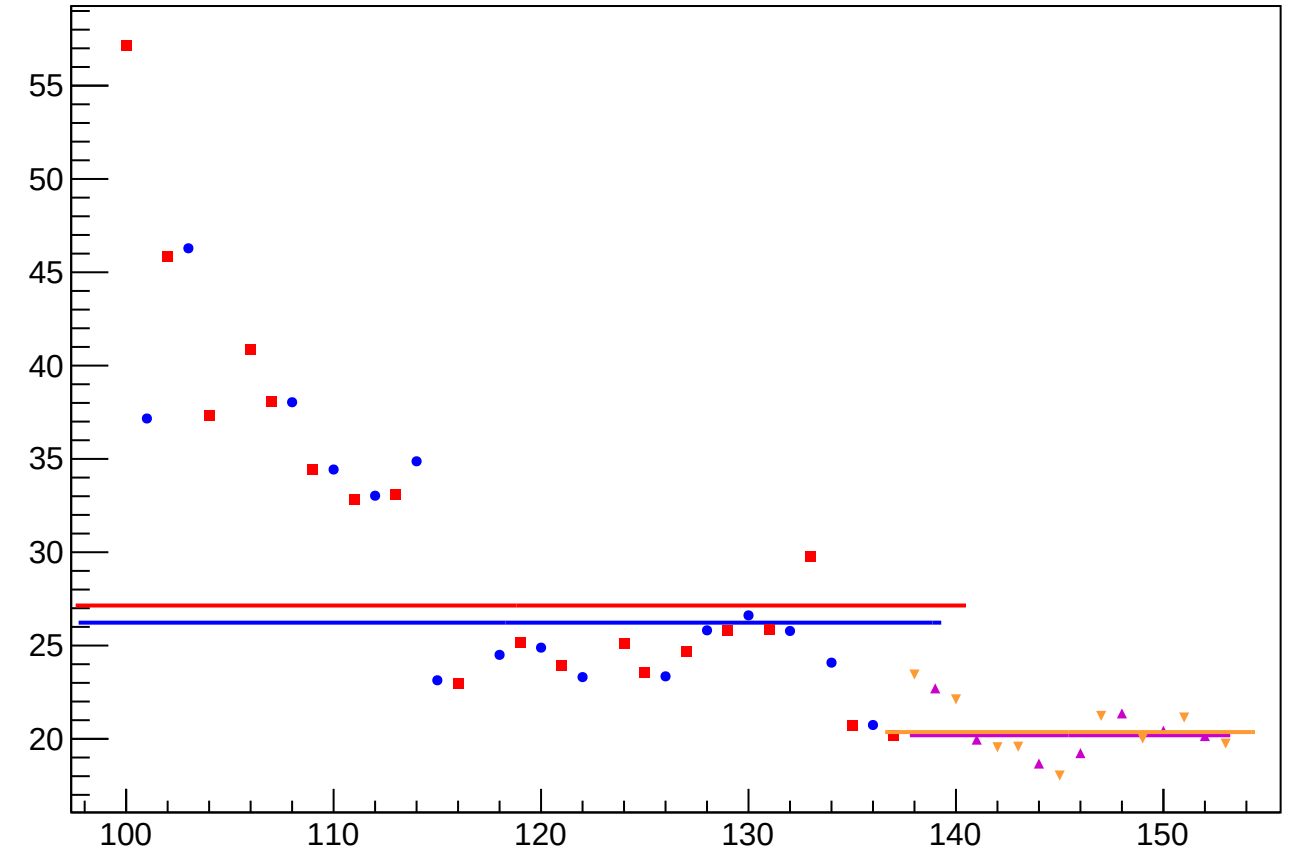
Right: 0.000+/-0.000 χ^2/NDF: 5141383.5/34

In: 0.000+/-0.000 χ^2/NDF:4780269.8/22

Out: 0.000+/-0.000 χ^2/NDF:7129594.7/27

All: 0.000+/-0.000 χ^2/NDF: 12171956.8/50


reg_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected
100
0
−100
−200
−300
100
110
120
130
140
150
Right In: 0.155+/-10.048 χ²/NDF: 21.3/15
Left Out: -2.382+/-7.725 χ²/NDF:9.9/8
Right Out: -15.333+/-10.267 χ²/NDF: 17.9/18
Left In: -12.513+/-8.191 χ²/NDF:4.6/6
Left: -7.151+/-5.620 χ²/NDF: 15.3/15
Right: -7.422+/-7.181 χ²/NDF: 40.4/34
In: -7.456+/-6.349 χ²/NDF:26.9/22
Out: -7.063+/-6.173 χ²/NDF:28.8/27
All: -7.254+/-4.426 χ²/NDF: 55.7/50



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 20.363+/-0.005 χ^2/NDF:75209.1/8

Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 20.193+/-0.006 χ^2/NDF:42287.2/6

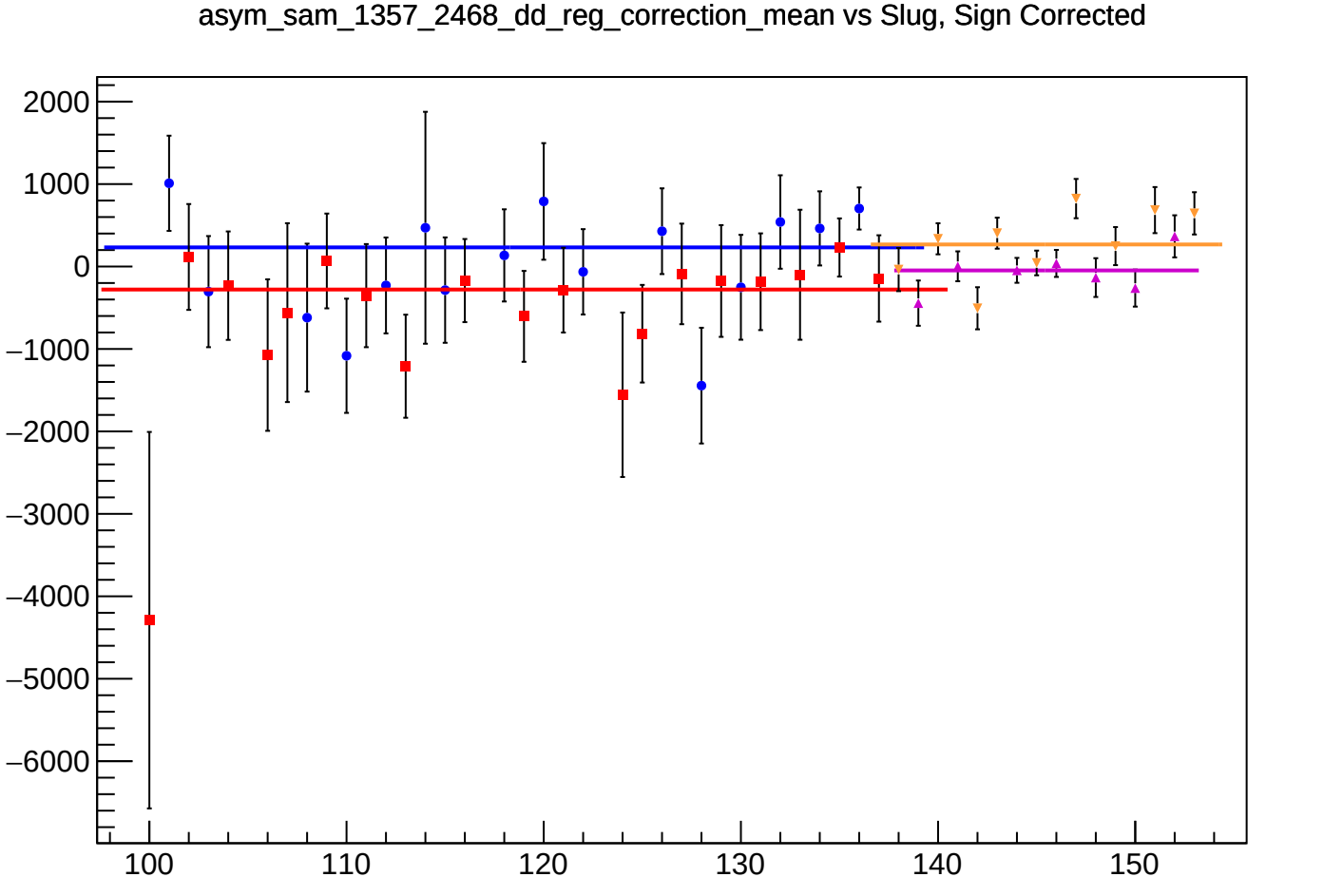
Left: 20.283+/-0.004 χ^2/NDF: 117952.3/15

Right: 26.676+/-0.005 χ^2/NDF: 1439621.2/34

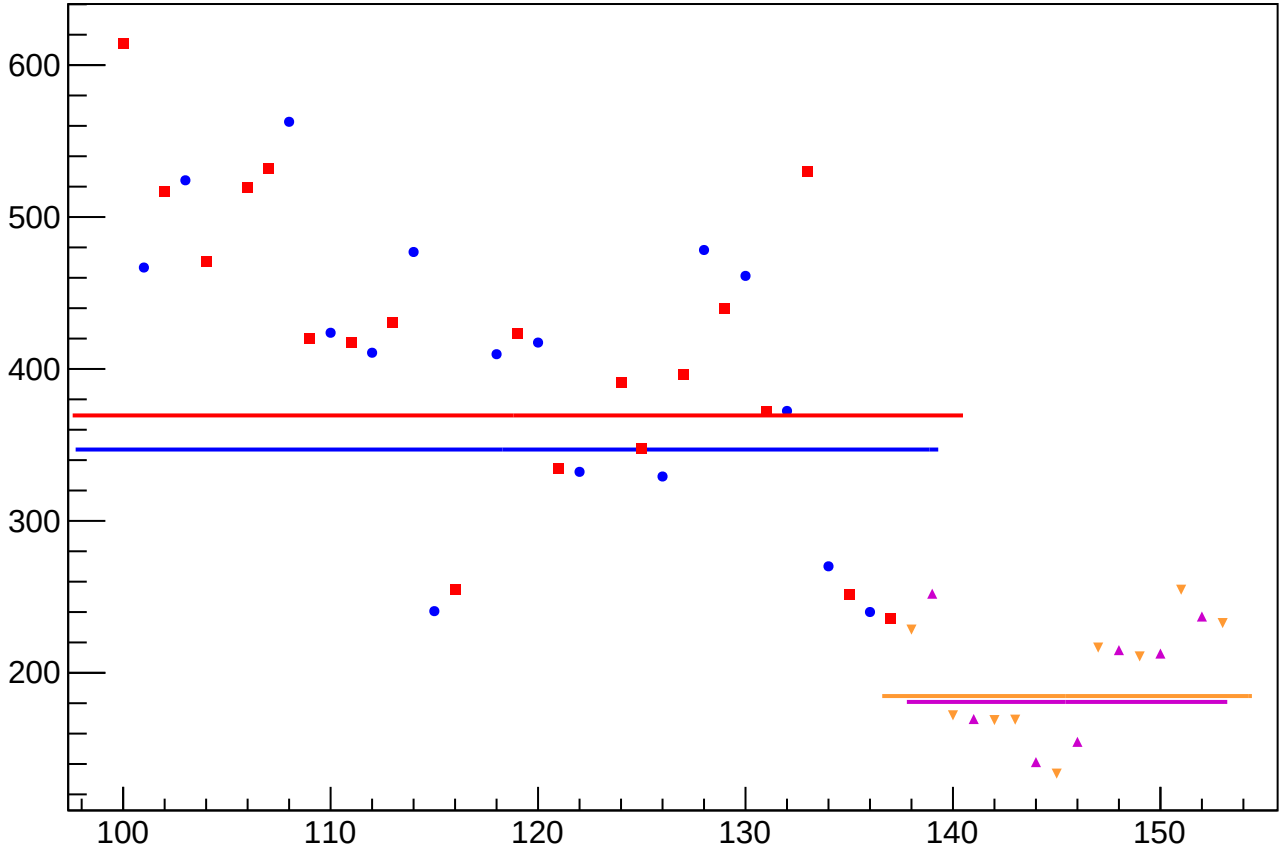
In: 22.602+/-0.004 χ^2/NDF:1151578.1/22

Out: 22.815+/-0.004 χ^2/NDF:1387873.3/27

All: 22.712+/-0.003 χ^2/NDF: 2540604.7/50


asym_sam_1357_2468_dd_reg_correction_mean vs Slug, Sign Corrected
2000
1000
0
−1000
−2000
−3000
−4000
−5000
−6000
100
110
120
130
140
150
Right In: 232.092+/-134.871 χ²/NDF: 19.6/15
Left Out: 267.535+/-71.568 χ²/NDF:23.3/8
Right Out: -279.042+/-139.965 χ²/NDF: 12.1/18
Left In: -47.353+/-74.945 χ²/NDF:6.1/6
Left: 117.345+/-51.759 χ²/NDF: 38.6/15
Right: -14.004+/-97.119 χ²/NDF: 38.6/34
In: 18.577+/-65.511 χ²/NDF:29.0/22
Out: 154.248+/-63.721 χ²/NDF:47.5/27
All: 88.290+/-45.677 χ²/NDF: 78.7/50

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: 184.714+/-0.051 χ^2/NDF:575452.1/8

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

Left In: 180.845+/-0.053 χ^2/NDF:510662.7/6

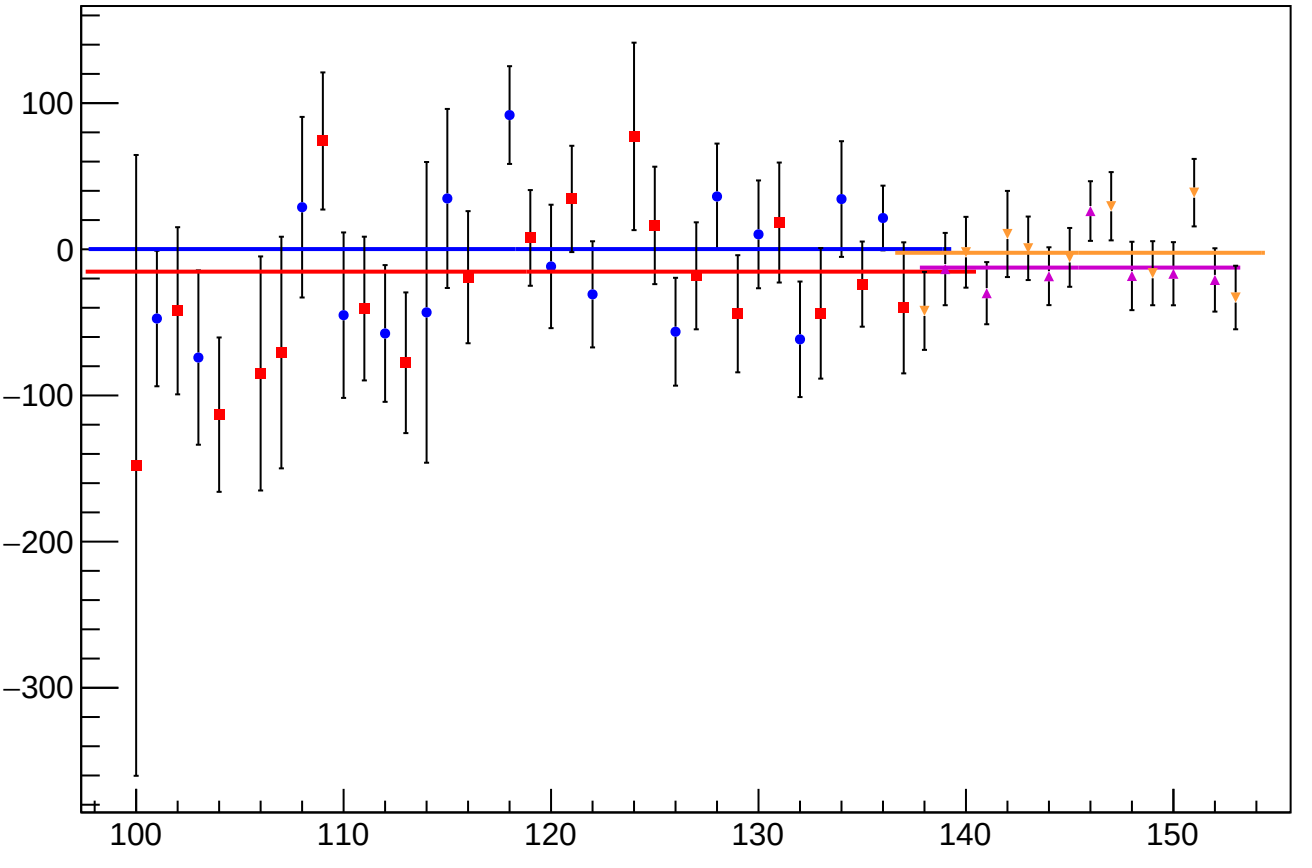
Left: 182.869+/-0.037 χ^2/NDF: 1088902.6/15

Right: 357.774+/-0.069 χ^2/NDF: 2003541.6/34

In: 220.039+/-0.046 χ^2/NDF:3887101.5/22

Out: 222.996+/-0.045 χ^2/NDF:4255090.1/27

All: 221.558+/-0.032 χ^2/NDF: 8144284.8/50



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: -2.385+/-7.725 χ^2/NDF:9.9/8

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -12.515+/-8.191 χ^2/NDF:4.6/6

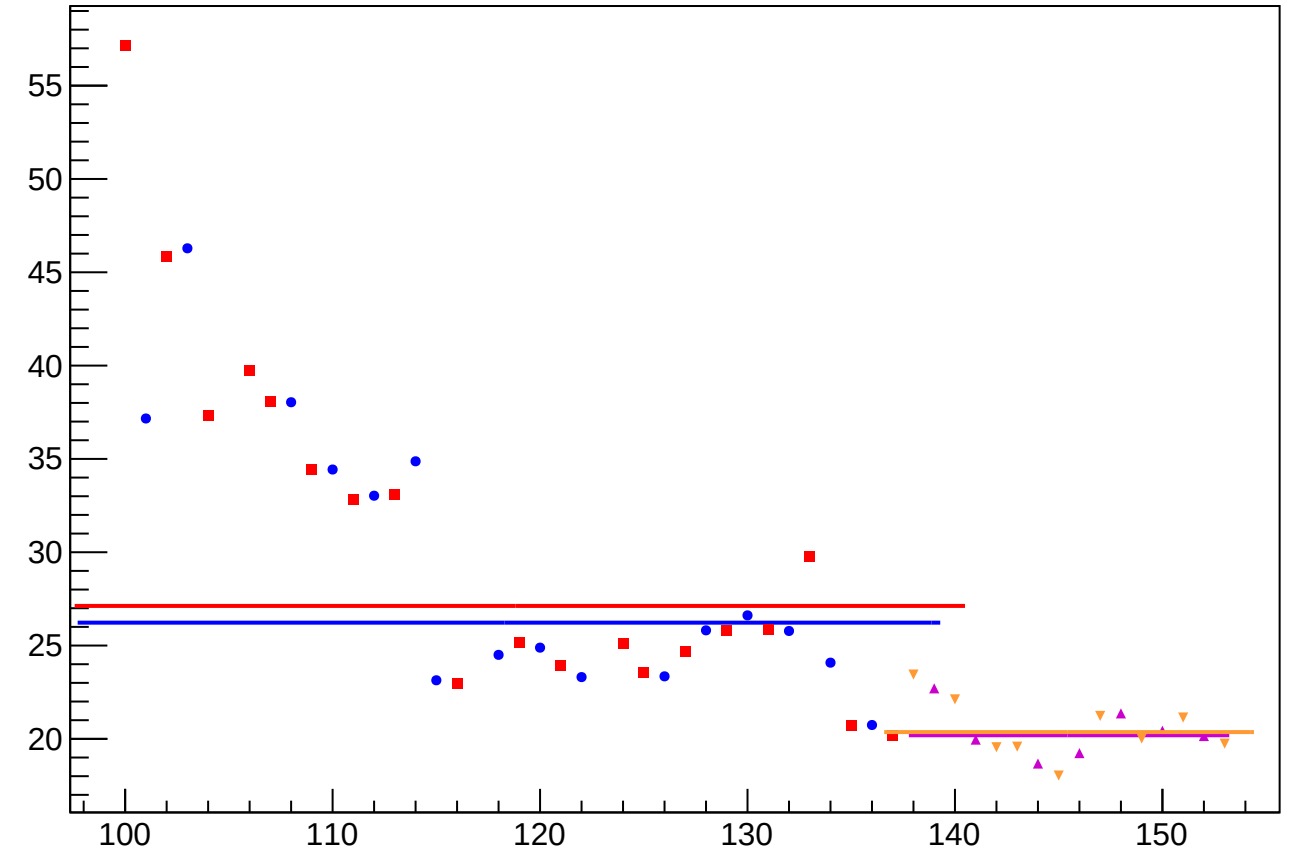
Left: -7.153+/-5.620 χ^2/NDF: 15.3/15

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -7.456+/-6.349 χ^2/NDF:26.9/22

Out: -7.049+/-6.173 χ^2/NDF:28.8/27

All: -7.247+/-4.426 χ^2/NDF: 55.7/50



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.363+/-0.005 χ^2/NDF:75209.1/8

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.193+/-0.006 χ^2/NDF:42287.2/6

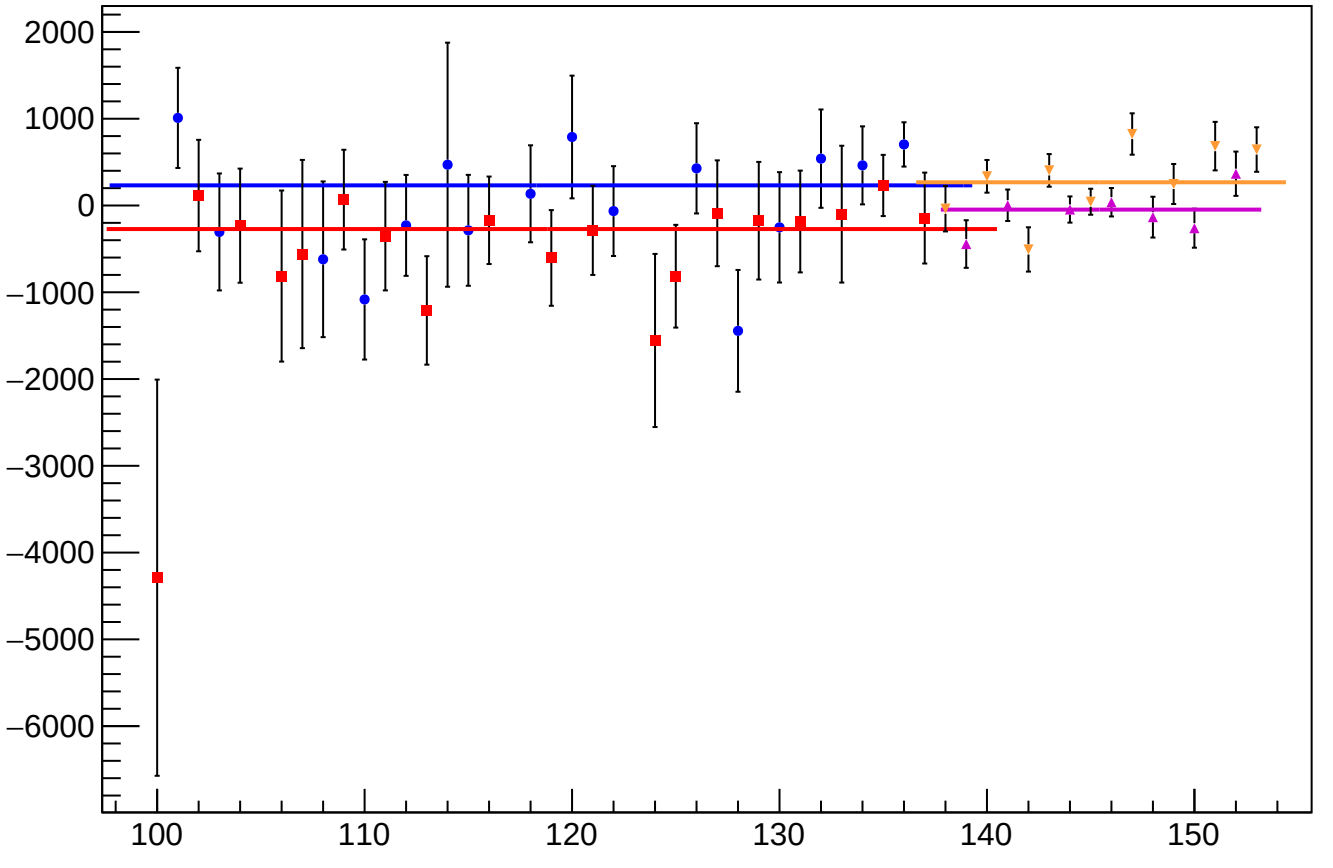
Left: 20.283+/-0.004 χ^2/NDF: 117952.3/15

Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 22.602+/-0.004 χ^2/NDF:1151581.4/22

Out: 22.806+/-0.004 χ^2/NDF:1374416.4/27

All: 22.707+/-0.003 χ^2/NDF: 2527061.3/50



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 267.533+/-71.568 χ^2/NDF:23.3/8

Right Out: -271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: -47.355+/-74.945 χ^2/NDF:6.1/6

Left: 117.343+/-51.759 χ^2/NDF: 38.6/15

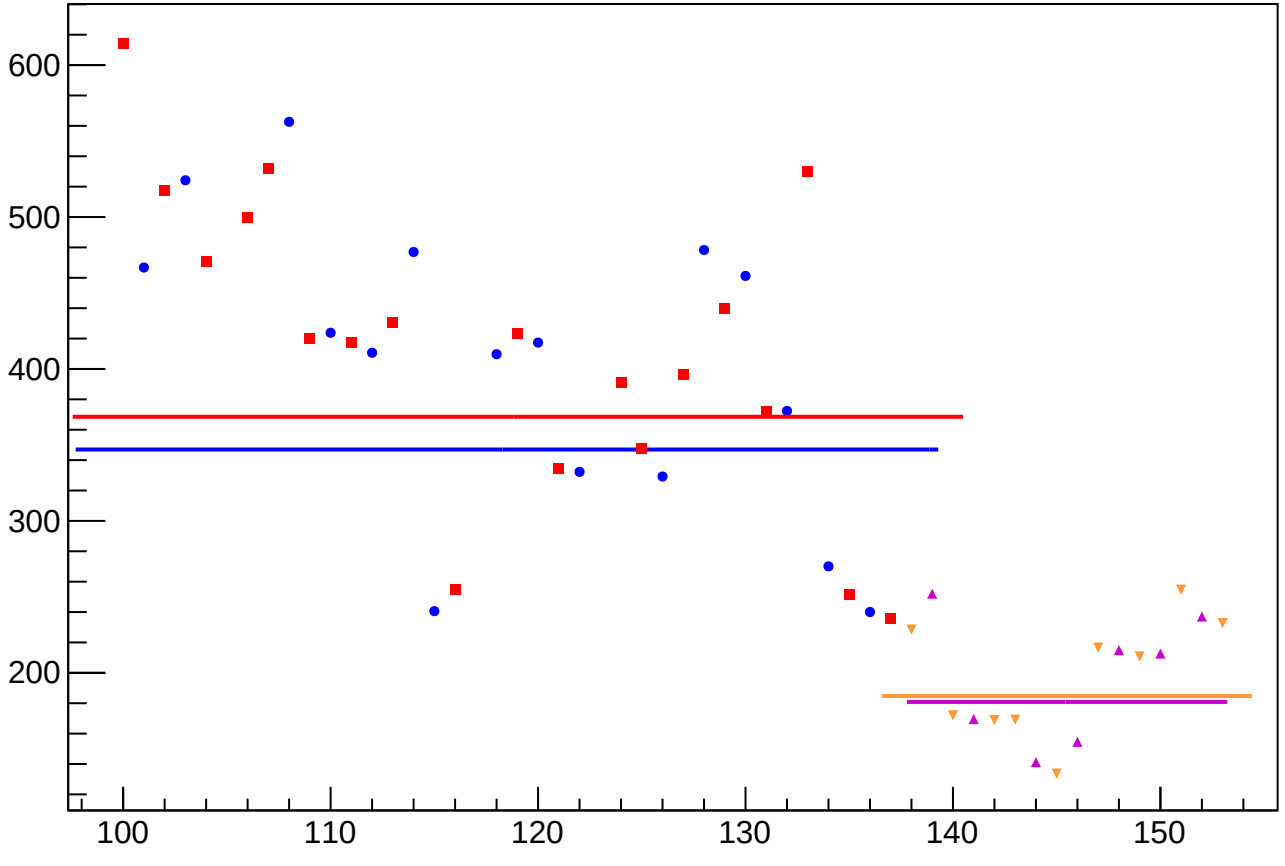
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: 18.574+/-65.511 χ^2/NDF:29.0/22

Out: 156.102+/-63.742 χ^2/NDF:46.6/27

All: 89.220+/-45.685 χ^2/NDF: 77.9/50

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: 184.714+/-0.051 χ^2/NDF:575454.8/8

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 180.845+/-0.053 χ^2/NDF:510661.6/6

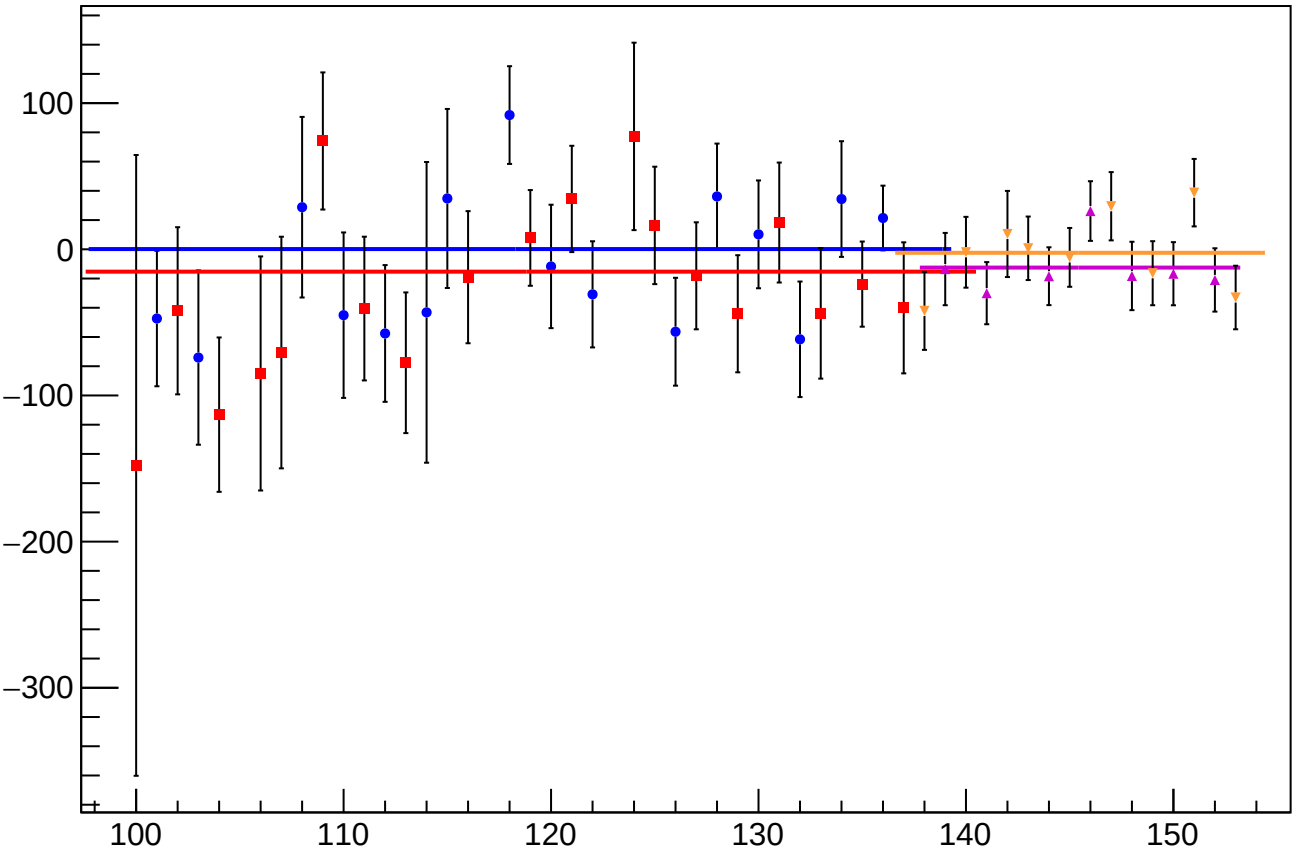
Left: 182.869+/-0.037 χ^2/NDF: 1088903.9/15

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 220.039+/-0.046 χ^2/NDF:3887122.7/22

Out: 222.722+/-0.045 χ^2/NDF:4203877.1/27

All: 221.417+/-0.032 χ^2/NDF: 8092723.0/50



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: -2.385+/-7.725 χ^2/NDF:9.9/8

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -12.515+/-8.191 χ^2/NDF:4.6/6

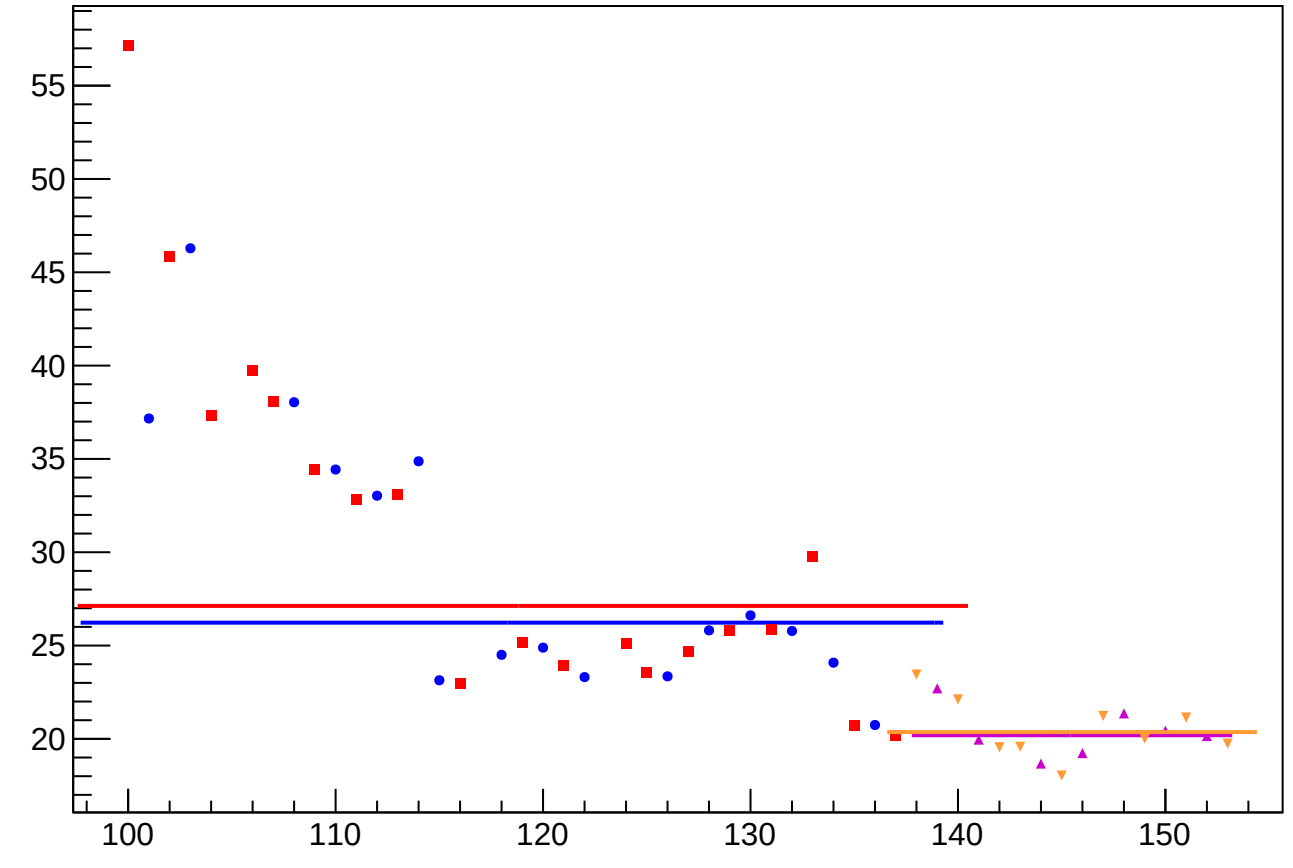
Left: -7.153+/-5.620 χ^2/NDF: 15.3/15

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -7.456+/-6.349 χ^2/NDF:26.9/22

Out: -7.049+/-6.173 χ^2/NDF:28.8/27

All: -7.247+/-4.426 χ^2/NDF: 55.7/50



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 20.363+/-0.005 χ^2/NDF:75209.1/8

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 20.193+/-0.006 χ^2/NDF:42287.2/6

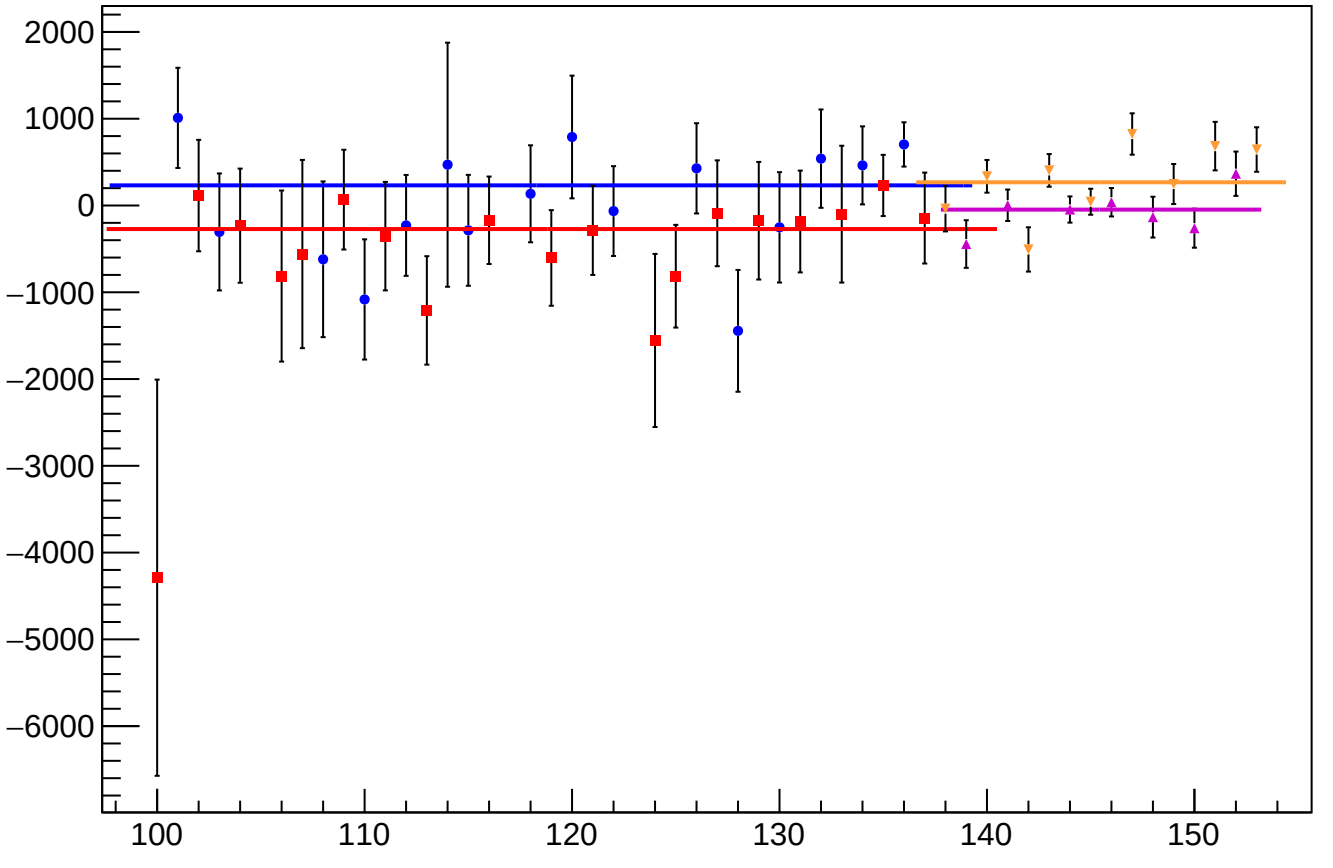
Left: 20.283+/-0.004 χ^2/NDF: 117952.3/15

Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 22.602+/-0.004 χ^2/NDF:1151581.4/22

Out: 22.806+/-0.004 χ^2/NDF:1374416.4/27

All: 22.707+/-0.003 χ^2/NDF: 2527061.3/50



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 267.533+/-71.568 χ^2/NDF:23.3/8

Right Out: -271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: -47.355+/-74.945 χ^2/NDF:6.1/6

Left: 117.343+/-51.759 χ^2/NDF: 38.6/15

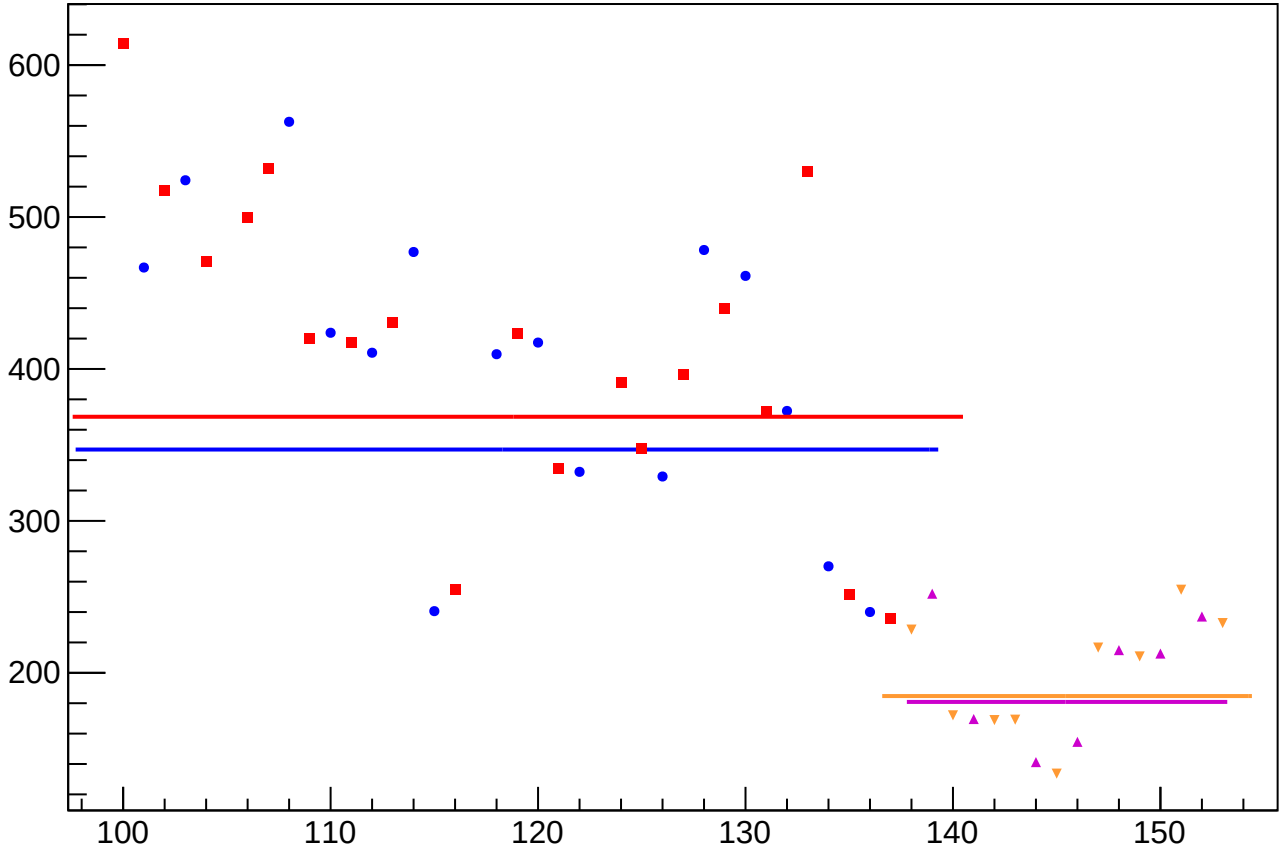
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: 18.574+/-65.511 χ^2/NDF:29.0/22

Out: 156.102+/-63.742 χ^2/NDF:46.6/27

All: 89.220+/-45.685 χ^2/NDF: 77.9/50

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: 184.714+/-0.051 χ^2/NDF:575454.8/8

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 180.845+/-0.053 χ^2/NDF:510661.6/6

Left: 182.869+/-0.037 χ^2/NDF: 1088903.9/15

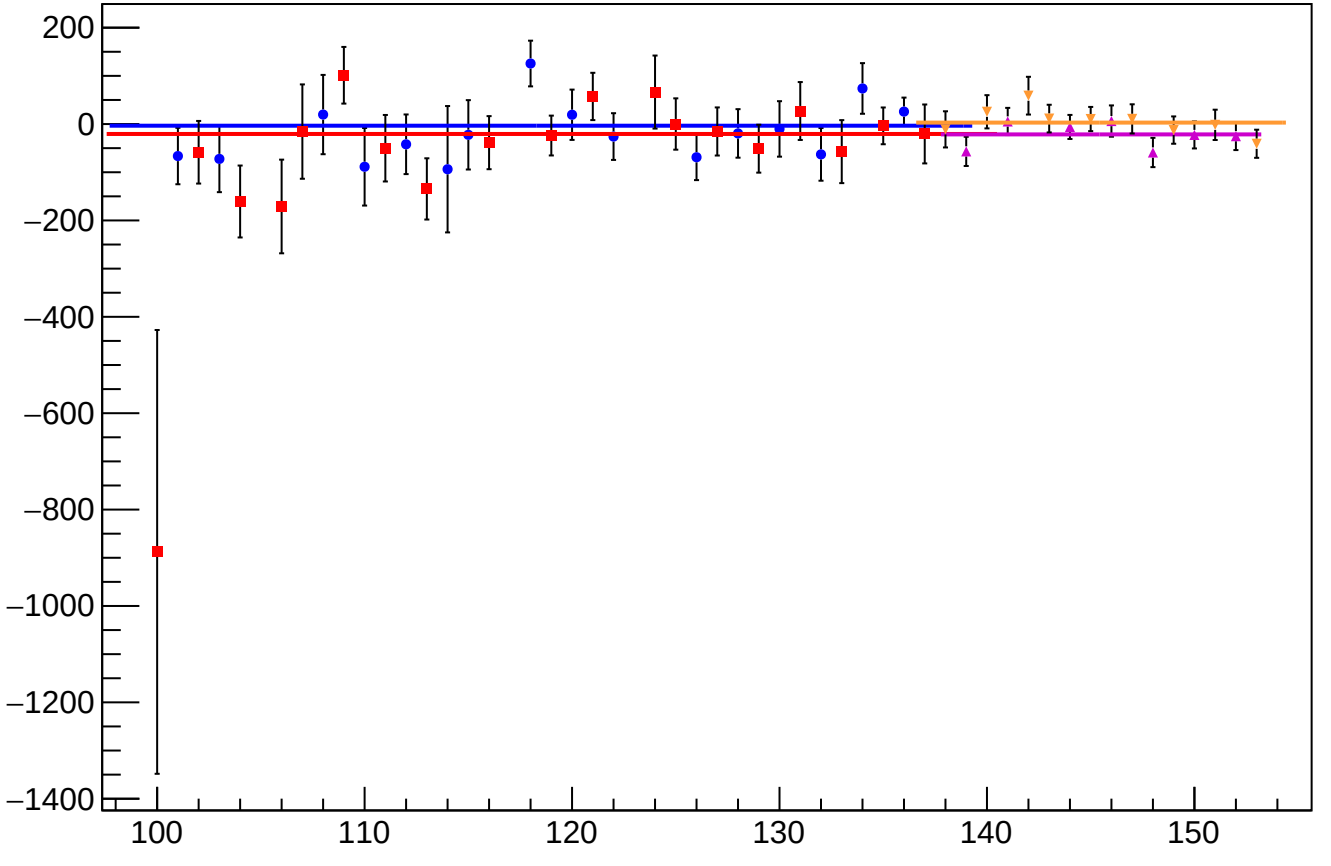
Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 220.039+/-0.046 χ^2/NDF:3887122.7/22

Out: 222.722+/-0.045 χ^2/NDF:4203877.1/27

All: 221.417+/-0.032 χ^2/NDF: 8092723.0/50

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: 3.030+/-10.246 χ^2/NDF:5.4/8

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -21.459+/-10.869 χ^2/NDF:4.9/6

Left: -8.491+/-7.455 χ^2/NDF: 13.0/15

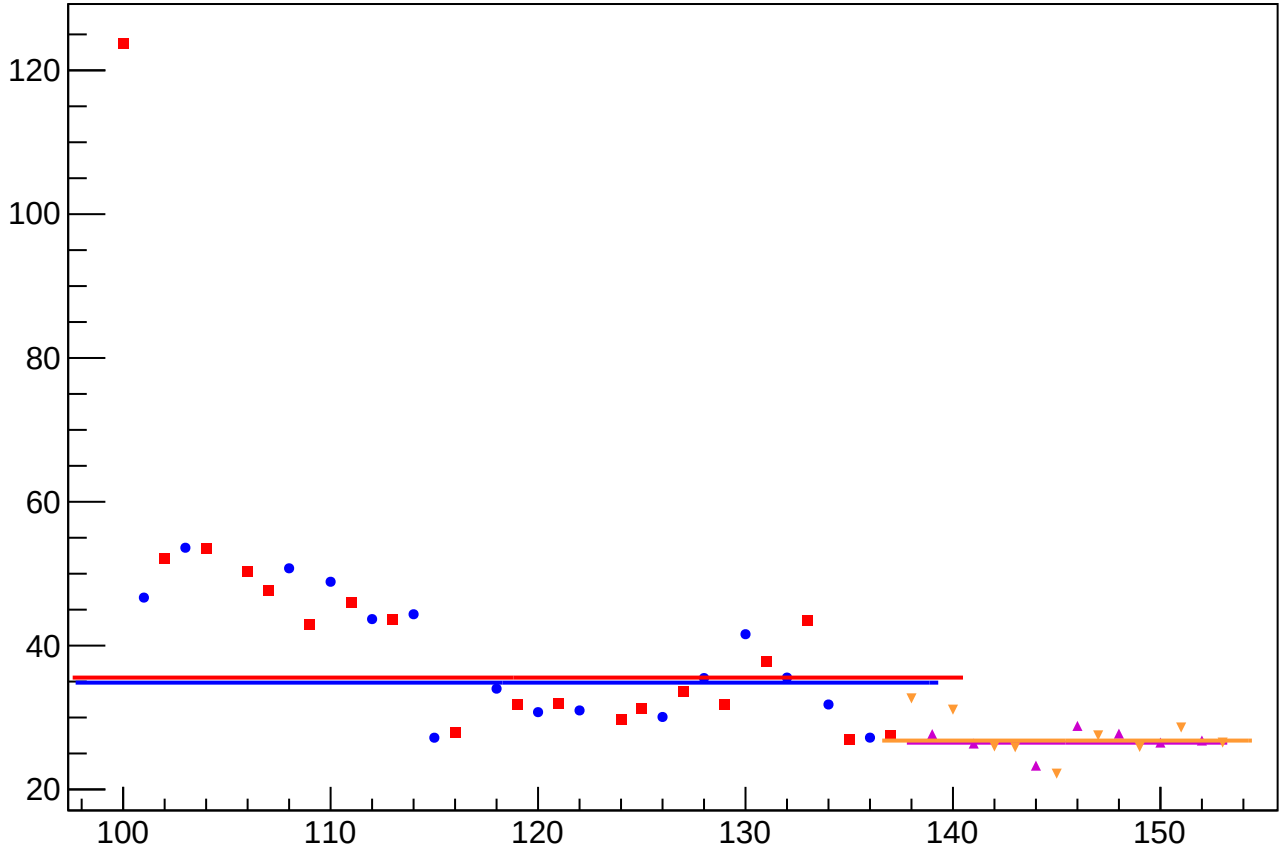
Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -14.297+/-8.440 χ^2/NDF:24.5/22

Out: -5.615+/-8.156 χ^2/NDF:30.5/27

All: -9.807+/-5.865 χ^2/NDF: 55.5/50

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: 26.793+/-0.007 χ^2/NDF:160131.9/8

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

Left In: 26.500+/-0.008 χ^2/NDF:49829.5/6

Left: 26.655+/-0.005 χ^2/NDF: 210728.4/15

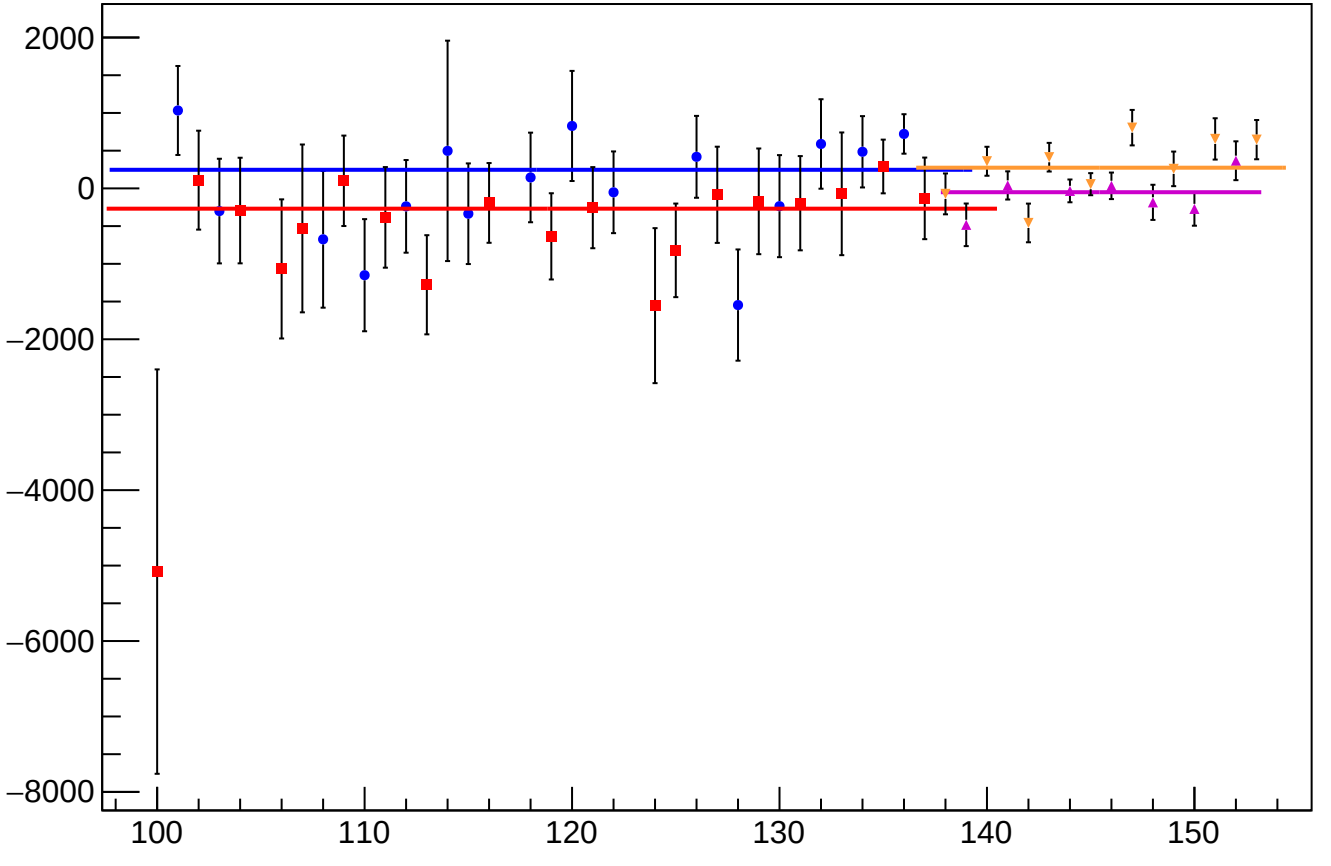
Right: 35.200+/-0.007 χ^2/NDF: 1440755.9/34

In: 29.816+/-0.006 χ^2/NDF:1176698.4/22

Out: 30.002+/-0.006 χ^2/NDF:1475626.4/27

All: 29.912+/-0.004 χ^2/NDF: 2652825.8/50

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: 274.296+/-71.498 χ^2/NDF:21.8/8

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -50.593+/-76.470 χ^2/NDF:6.8/6

Left: 122.756+/-52.226 χ^2/NDF: 38.2/15

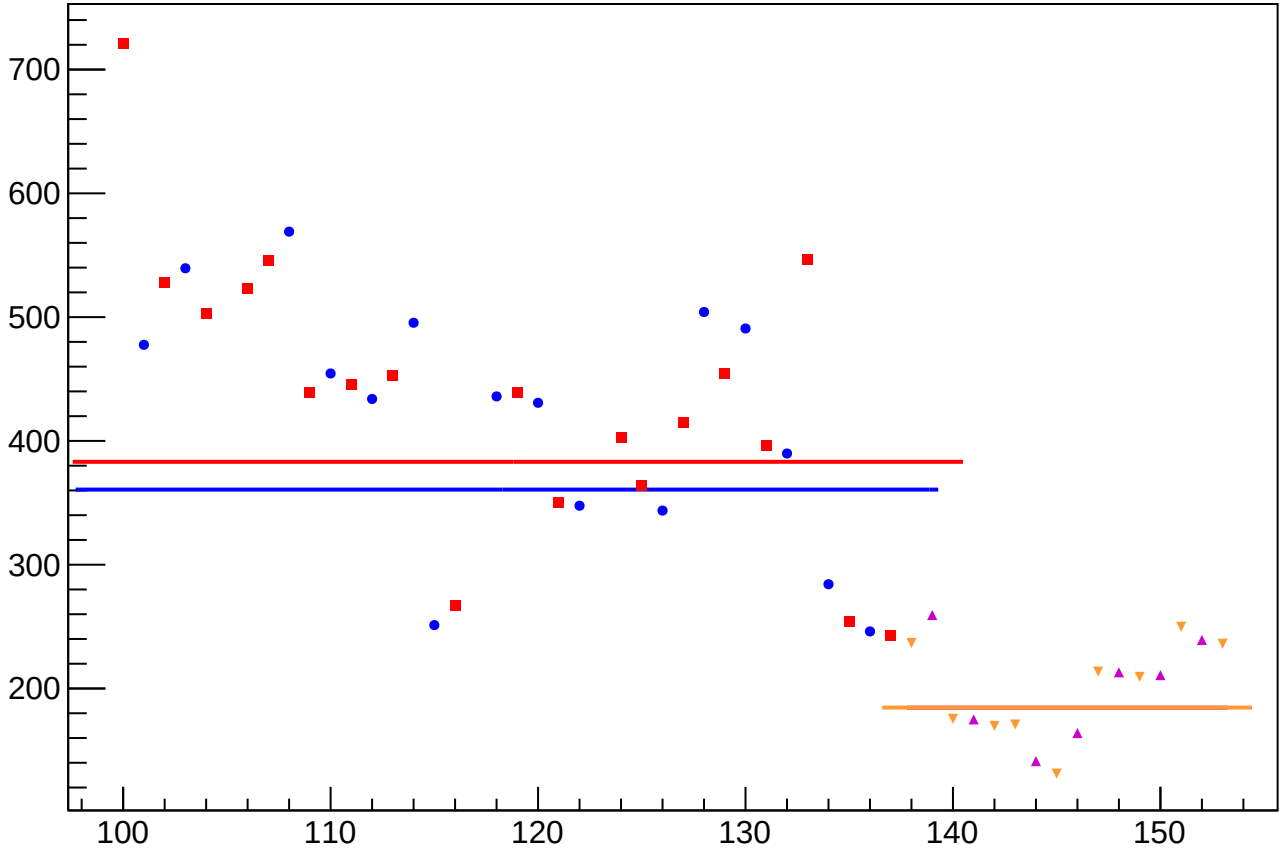
Right: -2.144+/-100.917 χ^2/NDF: 38.9/34

In: 17.472+/-67.141 χ^2/NDF:30.0/22

Out: 168.402+/-64.151 χ^2/NDF:45.7/27

All: 96.372+/-46.383 χ^2/NDF: 78.4/50

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: 184.582+/-0.051 χ^2/NDF:608321.6/8

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

Left In: 184.501+/-0.054 χ^2/NDF:484544.5/6

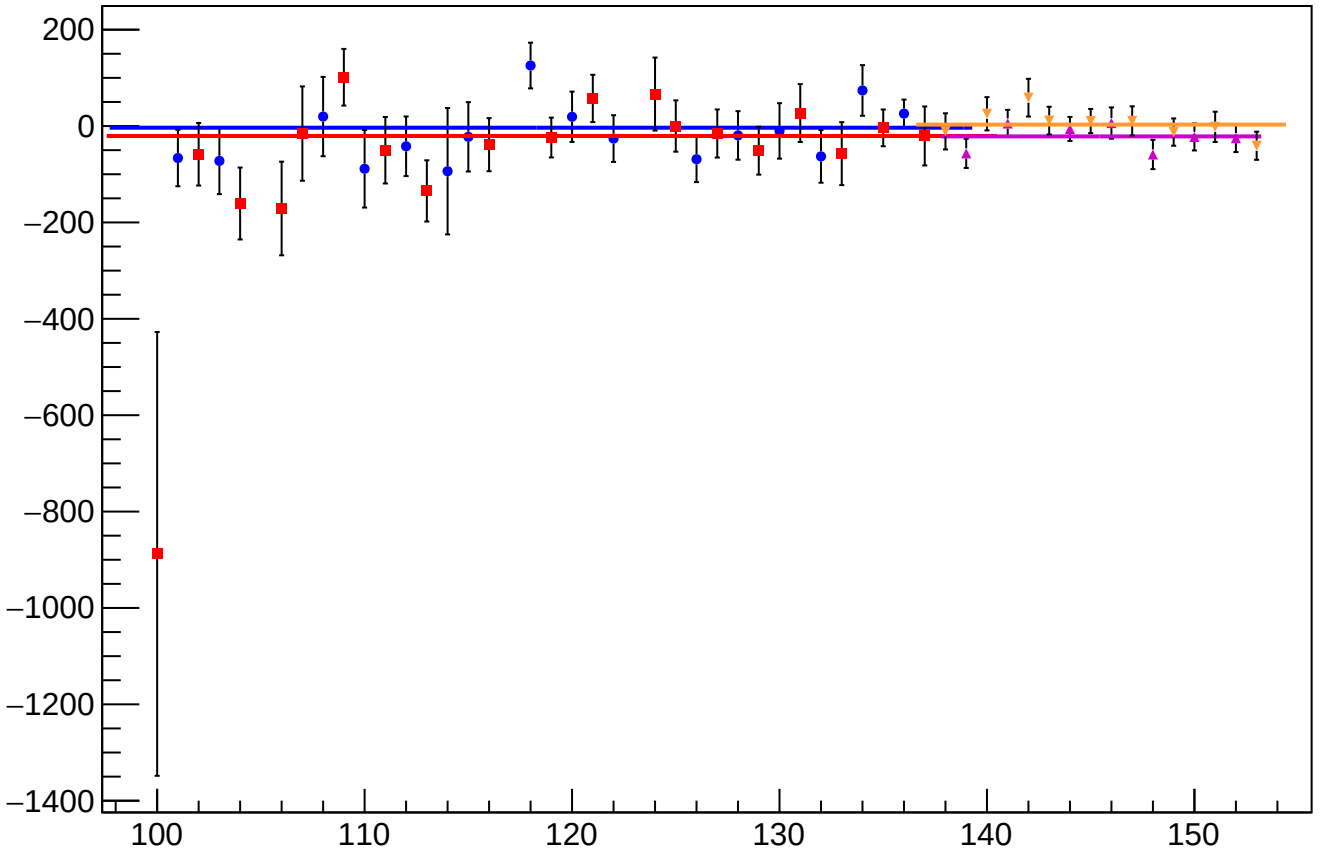
Left: 184.545+/-0.037 χ^2/NDF: 1092867.2/15

Right: 371.518+/-0.071 χ^2/NDF: 2080575.8/34

In: 224.866+/-0.047 χ^2/NDF:4009717.6/22

Out: 223.288+/-0.045 χ^2/NDF:4578144.6/27

All: 224.041+/-0.033 χ^2/NDF: 8588439.8/50



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 3.031+/-10.246 χ^2/NDF:5.4/8

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -21.459+/-10.869 χ^2/NDF:4.9/6

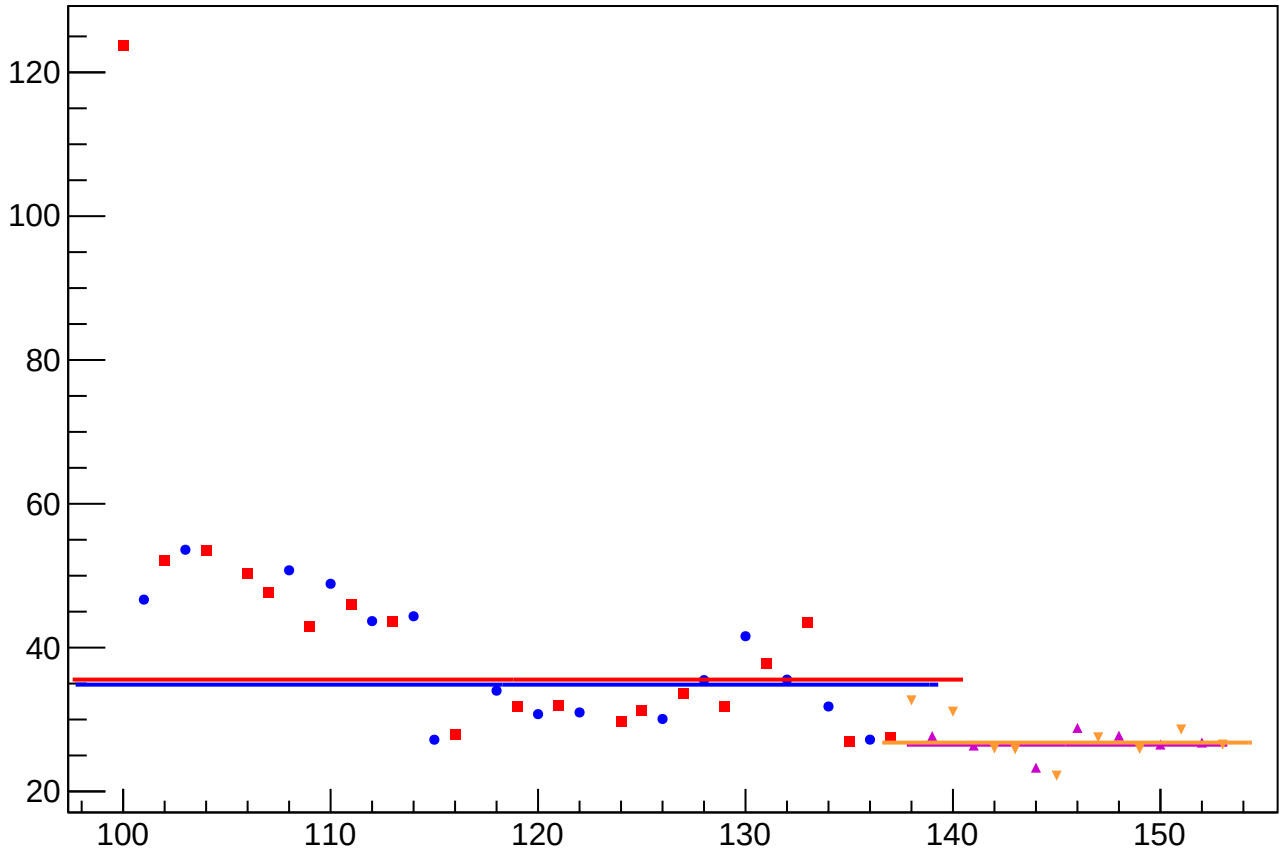
Left: -8.491+/-7.455 χ^2/NDF: 13.0/15

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -14.297+/-8.440 χ^2/NDF:24.5/22

Out: -5.615+/-8.156 χ^2/NDF:30.5/27

All: -9.808+/-5.865 χ^2/NDF: 55.5/50



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 26.793+/-0.007 χ^2/NDF:160115.7/8

Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 26.500+/-0.008 χ^2/NDF:49825.6/6

Left: 26.655+/-0.005 χ^2/NDF: 210708.6/15

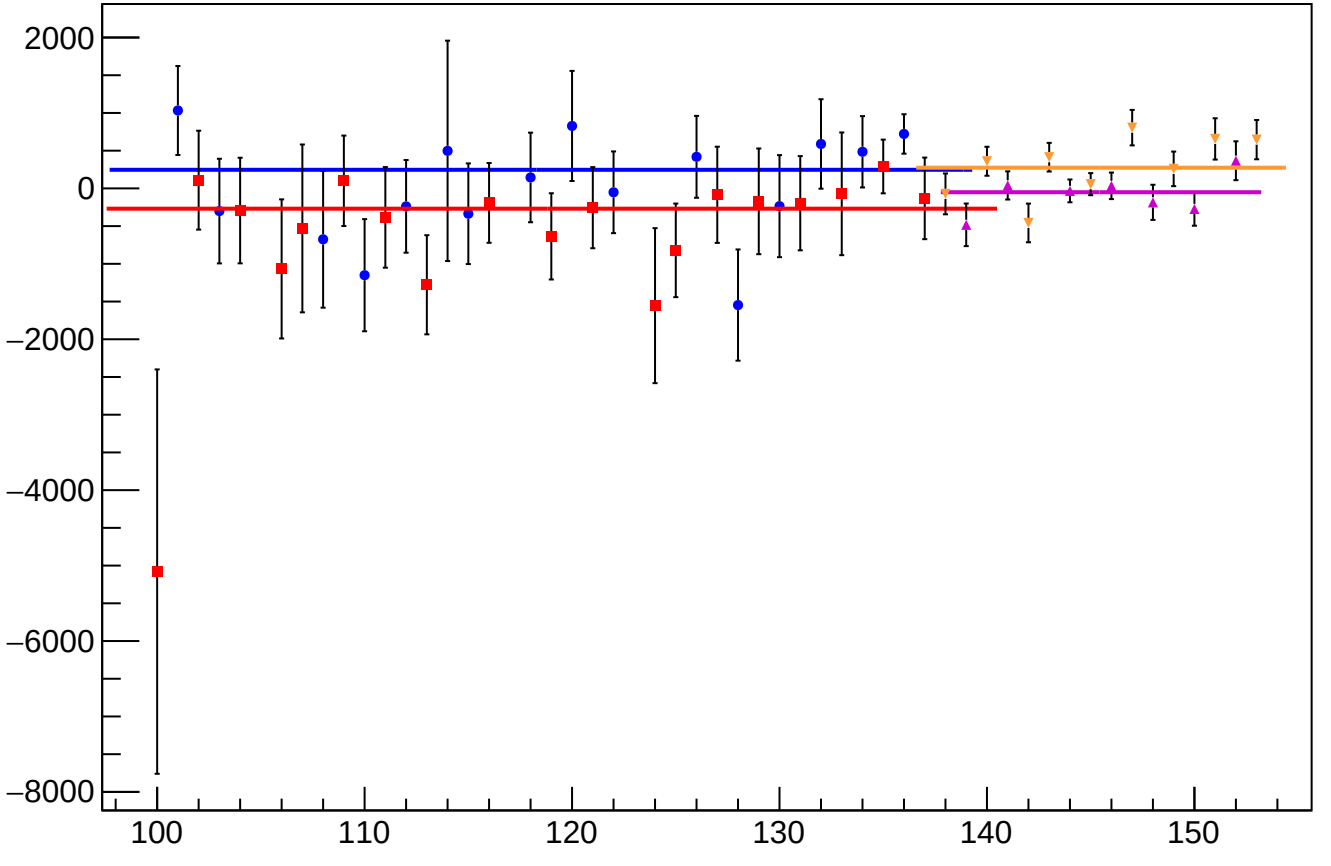
Right: 35.199+/-0.007 χ^2/NDF: 1440673.9/34

In: 29.816+/-0.006 χ^2/NDF:1176592.0/22

Out: 30.002+/-0.006 χ^2/NDF:1475528.8/27

All: 29.912+/-0.004 χ^2/NDF: 2652622.1/50

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: 274.295+/-71.497 χ^2/NDF:21.8/8

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -50.593+/-76.470 χ^2/NDF:6.8/6

Left: 122.756+/-52.226 χ^2/NDF: 38.2/15

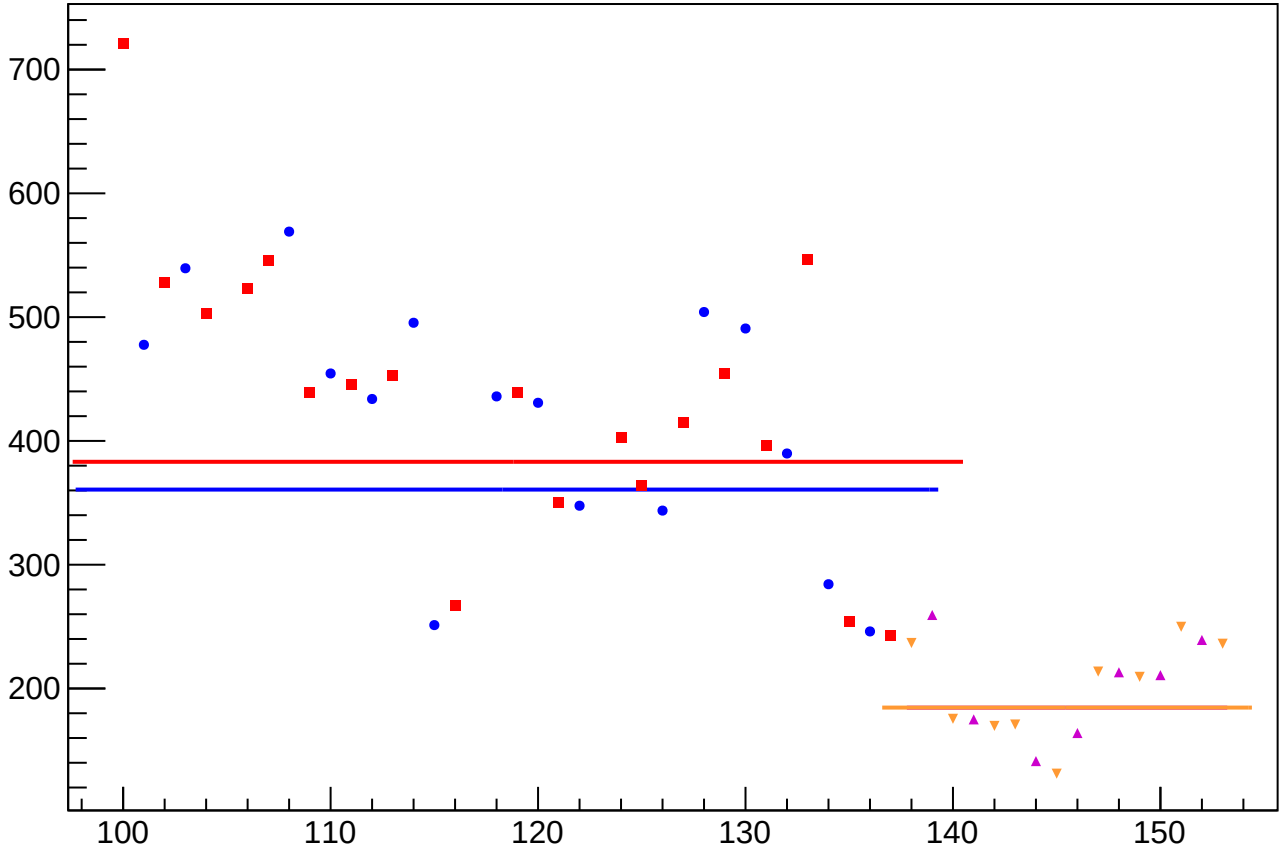
Right: -2.145+/-100.917 χ^2/NDF: 38.9/34

In: 17.471+/-67.141 χ^2/NDF:30.0/22

Out: 168.401+/-64.151 χ^2/NDF:45.7/27

All: 96.372+/-46.383 χ^2/NDF: 78.4/50

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: 184.582+/-0.051 χ^2/NDF:608333.3/8

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

Left In: 184.501+/-0.054 χ^2/NDF:484544.2/6

Left: 184.544+/-0.037 χ^2/NDF: 1092878.7/15

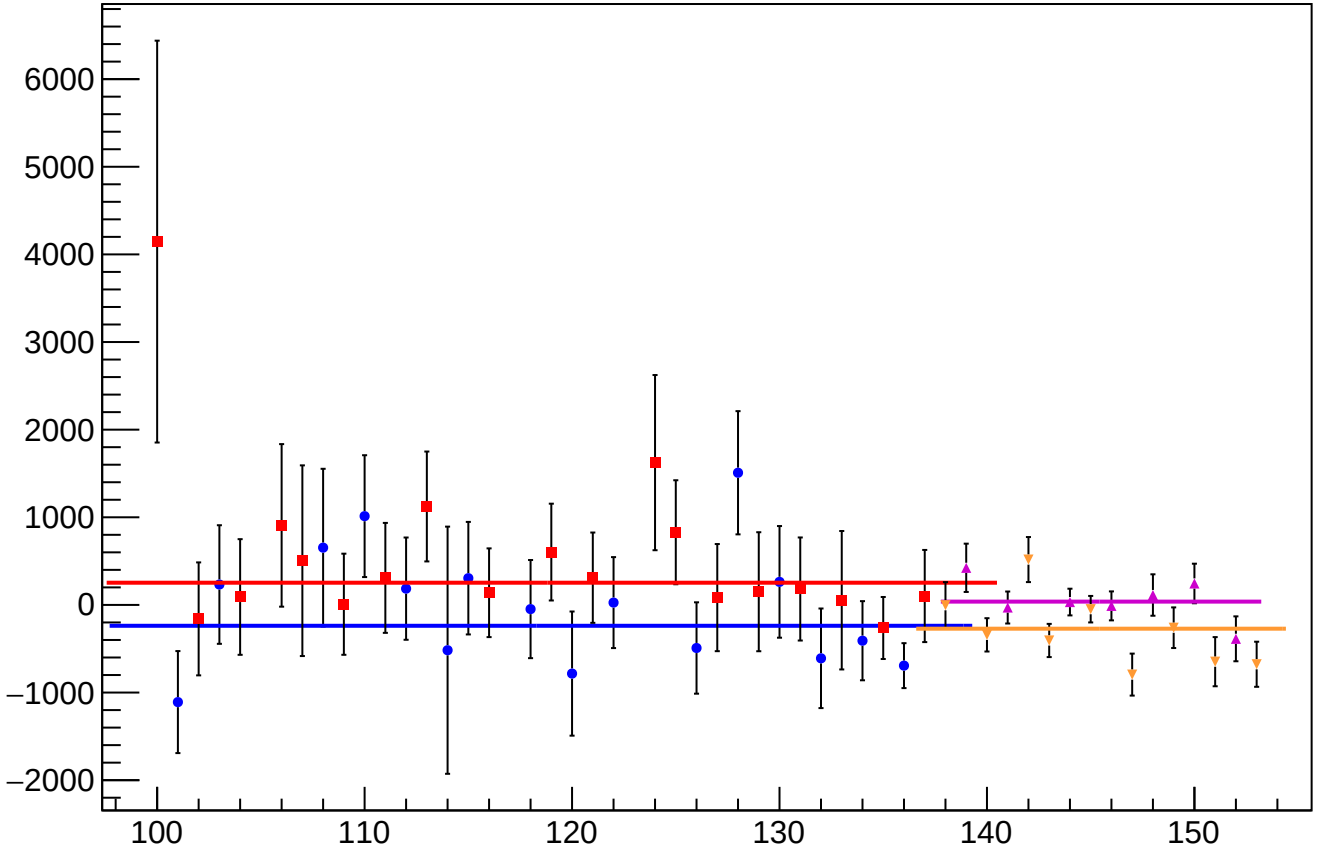
Right: 371.517+/-0.071 χ^2/NDF: 2080563.7/34

In: 224.866+/-0.047 χ^2/NDF:4009708.1/22

Out: 223.287+/-0.045 χ^2/NDF:4578159.6/27

All: 224.041+/-0.033 χ^2/NDF: 8588445.5/50

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -271.242+/-72.043 χ^2/NDF:22.3/8

Right Out: 253.445+/-140.414 χ^2/NDF: 11.7/18

Left In: 37.735+/-75.453 χ^2/NDF:5.9/6

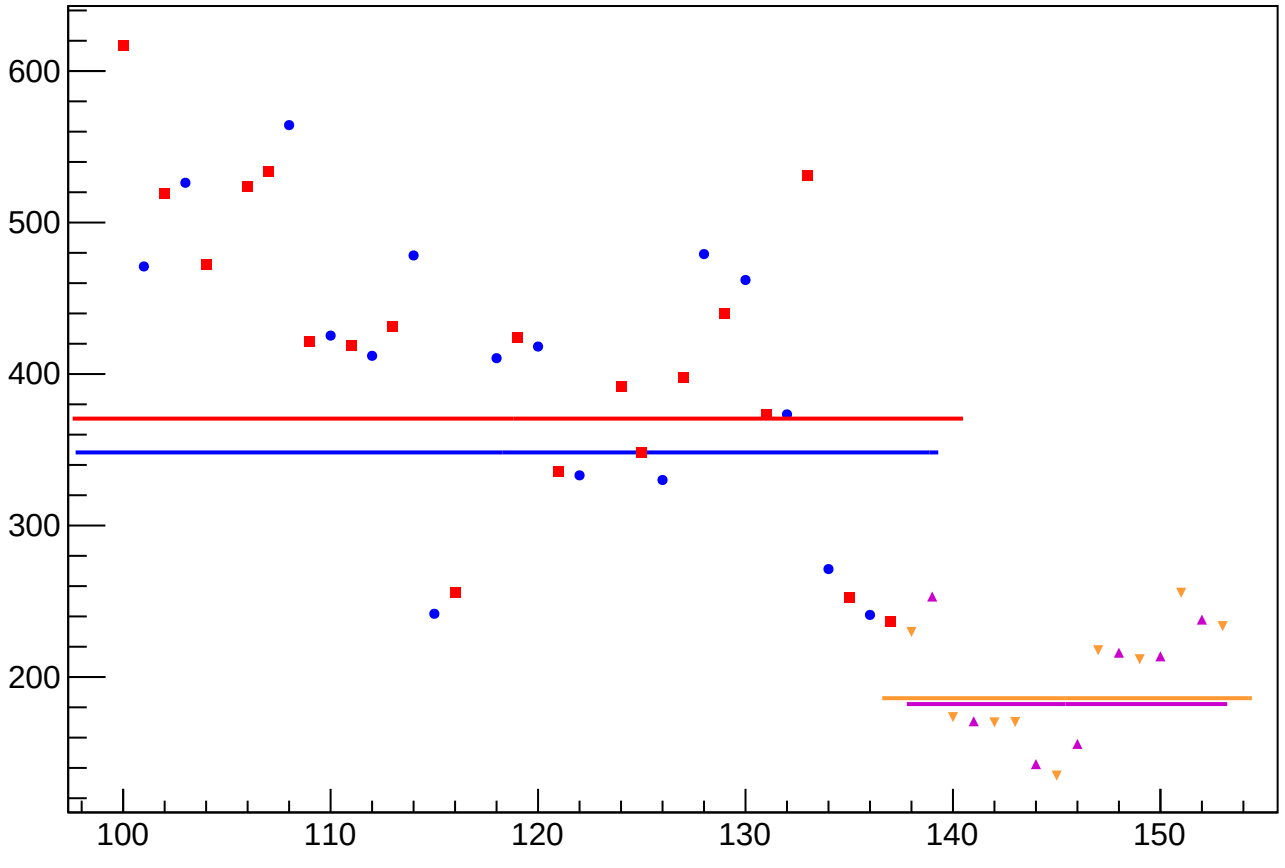
Left: -123.893+/-52.106 χ^2/NDF: 37.0/15

Right: -1.323+/-97.448 χ^2/NDF: 38.0/34

In: -27.650+/-65.904 χ^2/NDF:29.0/22

Out: -161.902+/-64.099 χ^2/NDF:45.1/27

All: -96.640+/-45.950 χ^2/NDF: 76.2/50



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 186.028+/-0.051 χ^2/NDF:564756.9/8

Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 182.154+/-0.053 χ^2/NDF:501396.7/6

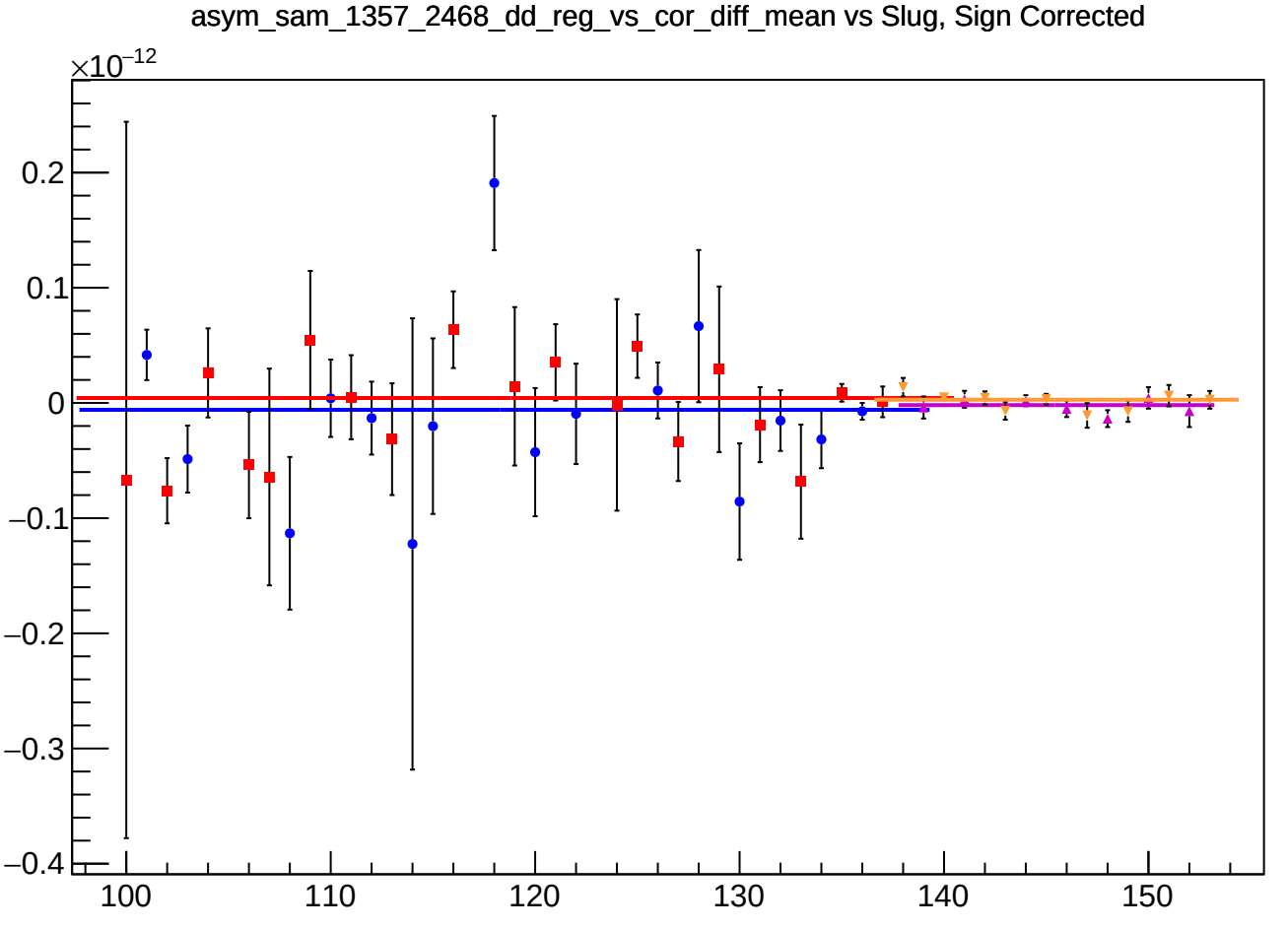
Left: 184.180+/-0.037 χ^2/NDF: 1068911.0/15

Right: 359.009+/-0.069 χ^2/NDF: 2000959.8/34

In: 221.535+/-0.047 χ^2/NDF:3856076.1/22

Out: 224.488+/-0.045 χ^2/NDF:4217841.0/27

All: 223.052+/-0.032 χ^2/NDF: 8075980.6/50



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:6.7/8

Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/18

Left In: -0.000+/-0.000 χ^2/NDF:4.5/6

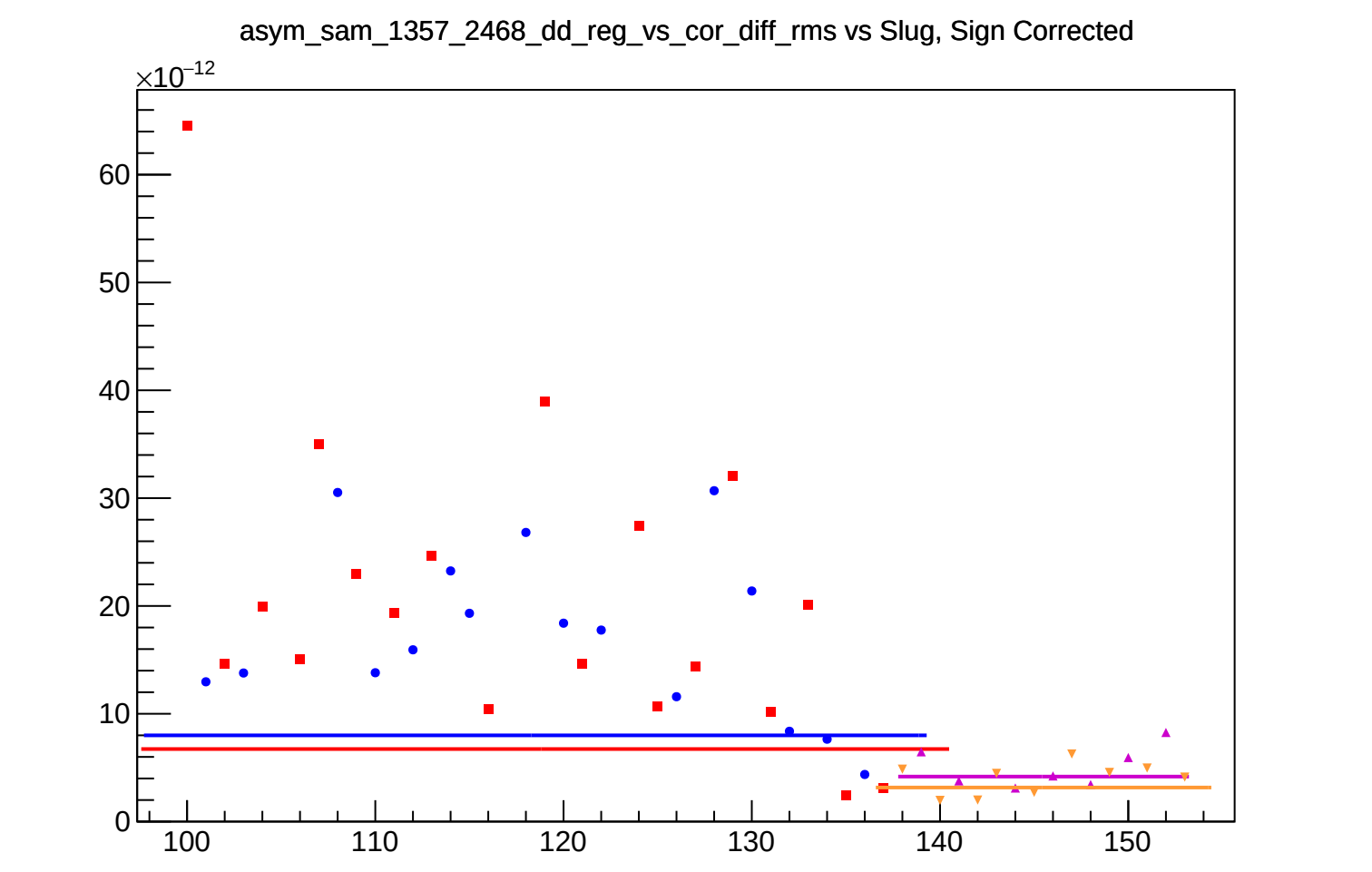
Left: 0.000+/-0.000 χ^2/NDF: 13.0/15

Right: -0.000+/-0.000 χ^2/NDF: 51.9/34

In: -0.000+/-0.000 χ^2/NDF:32.3/22

Out: 0.000+/-0.000 χ^2/NDF:29.7/27

All: 0.000+/-0.000 χ^2/NDF: 65.1/50



Right In: 0.000+/-0.000 χ^2/NDF: 1949755.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:745043.2/8

Right Out: 0.000+/-0.000 χ^2/NDF: 3379574.5/18

Left In: 0.000+/-0.000 χ^2/NDF:487302.5/6

Left: 0.000+/-0.000 χ^2/NDF: 1399360.7/15

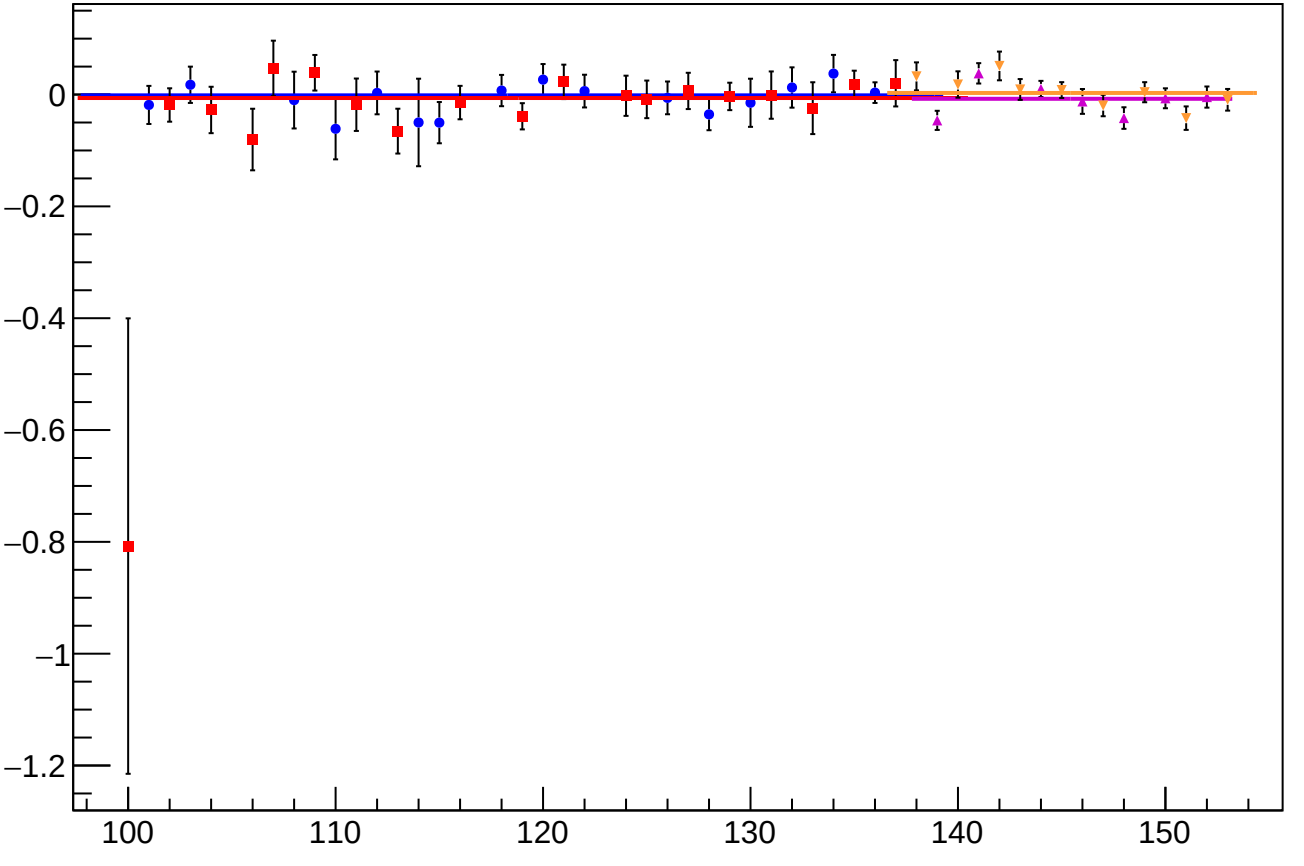
Right: 0.000+/-0.000 χ^2/NDF: 5380161.4/34

In: 0.000+/-0.000 χ^2/NDF:3165251.3/22

Out: 0.000+/-0.000 χ^2/NDF:4843583.0/27

All: 0.000+/-0.000 χ^2/NDF: 8337425.9/50

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: 0.003+/-0.007 χ^2/NDF:12.0/8

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.008+/-0.007 χ^2/NDF:16.1/6

Left: -0.002+/-0.005 χ^2/NDF: 29.3/15

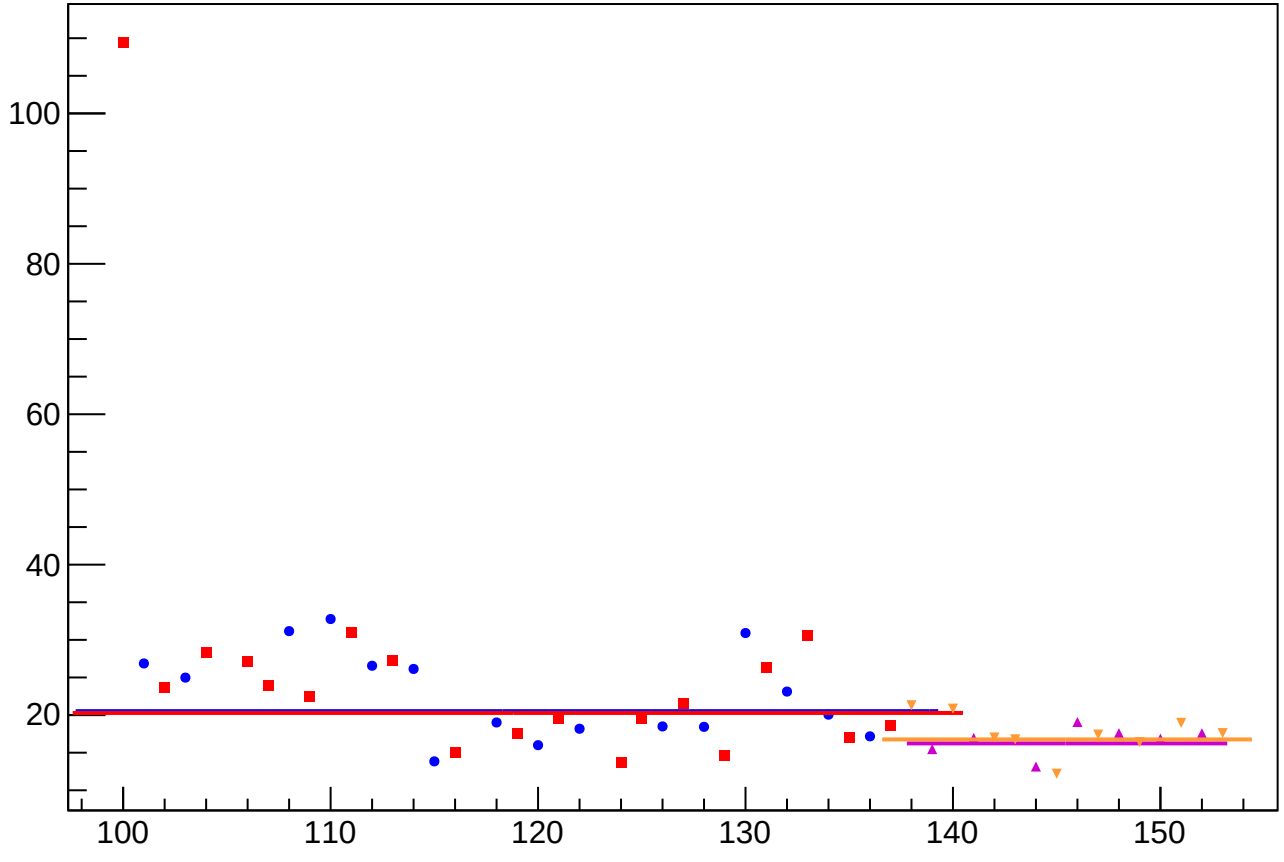
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.005+/-0.005 χ^2/NDF:24.7/22

Out: -0.001+/-0.005 χ^2/NDF:29.0/27

All: -0.003+/-0.004 χ^2/NDF: 54.1/50

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: 16.763+/-0.005 χ^2/NDF:363547.3/8

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.234+/-0.005 χ^2/NDF:153429.3/6

Left: 16.509+/-0.003 χ^2/NDF: 523328.5/15

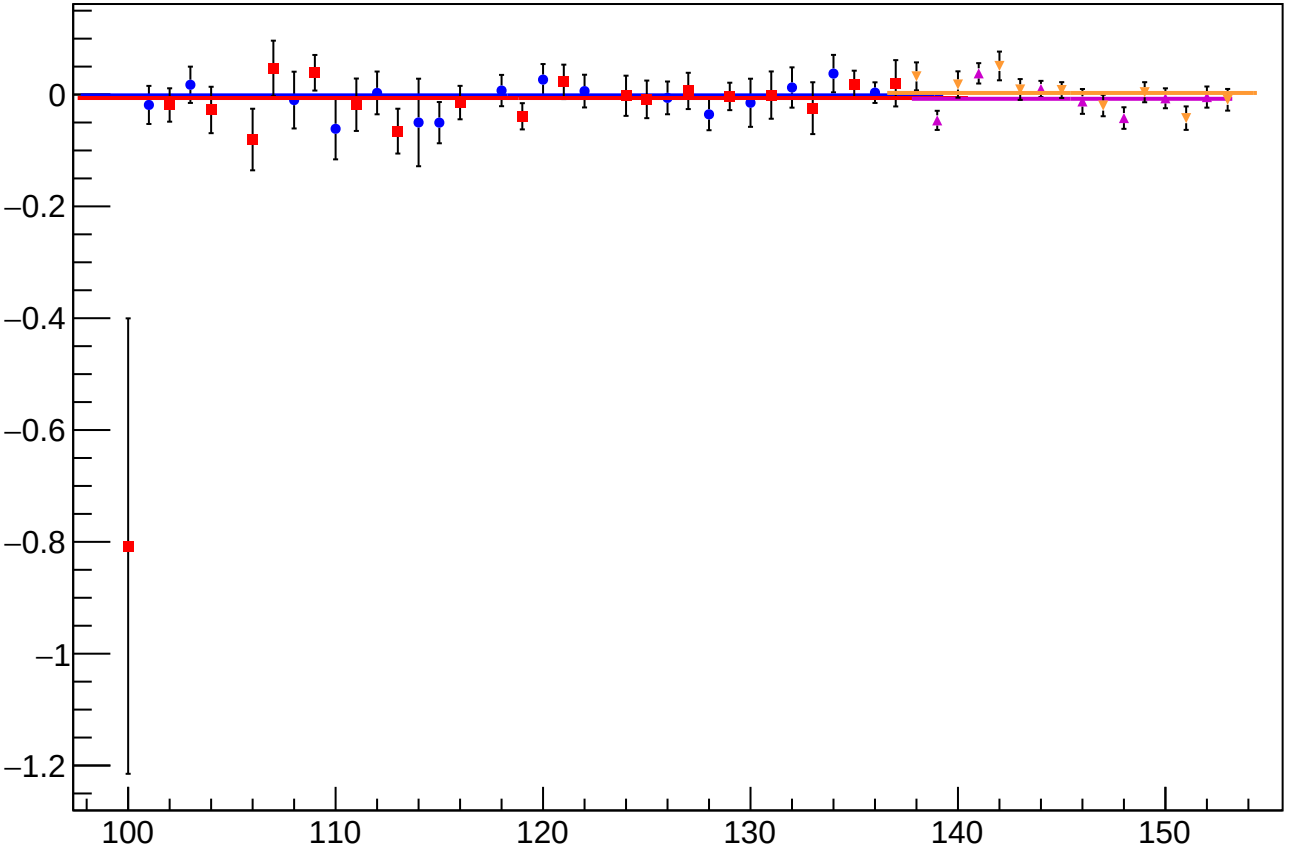
Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 18.004+/-0.004 χ^2/NDF:1191750.8/22

Out: 18.191+/-0.004 χ^2/NDF:1464578.1/27

All: 18.100+/-0.003 χ^2/NDF: 2657677.6/50

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.007 χ^2/NDF:12.0/8

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.008+/-0.007 χ^2/NDF:16.1/6

Left: -0.002+/-0.005 χ^2/NDF: 29.3/15

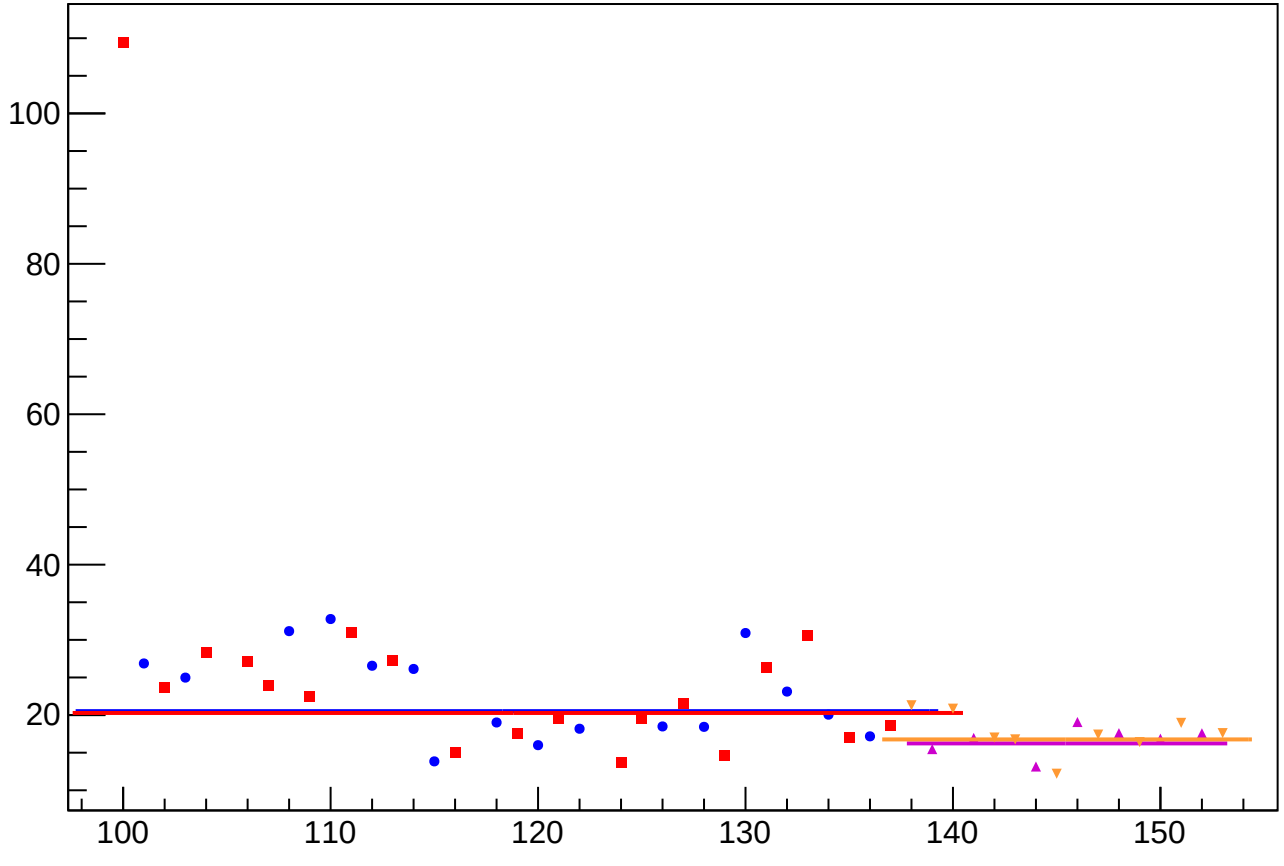
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.005+/-0.005 χ^2/NDF:24.7/22

Out: -0.001+/-0.005 χ^2/NDF:29.0/27

All: -0.003+/-0.004 χ^2/NDF: 54.1/50

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: 16.763+/-0.005 χ^2/NDF:363547.3/8

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.234+/-0.005 χ^2/NDF:153429.3/6

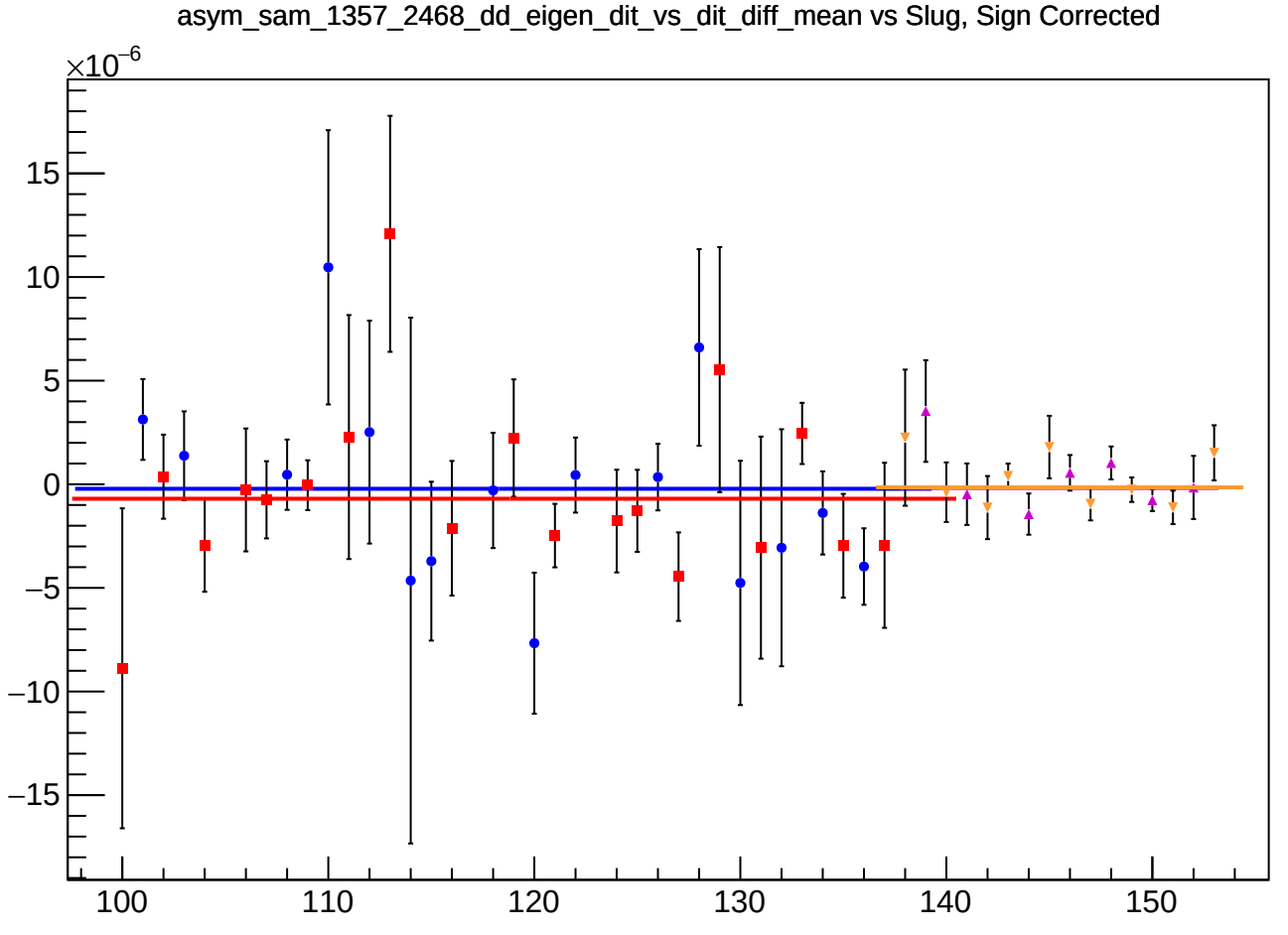
Left: 16.509+/-0.003 χ^2/NDF: 523328.5/15

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 18.004+/-0.004 χ^2/NDF:1191750.8/22

Out: 18.191+/-0.004 χ^2/NDF:1464578.1/27

All: 18.100+/-0.003 χ^2/NDF: 2657677.6/50



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.5/8

Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/18

Left In: -0.000+/-0.000 χ^2/NDF:8.2/6

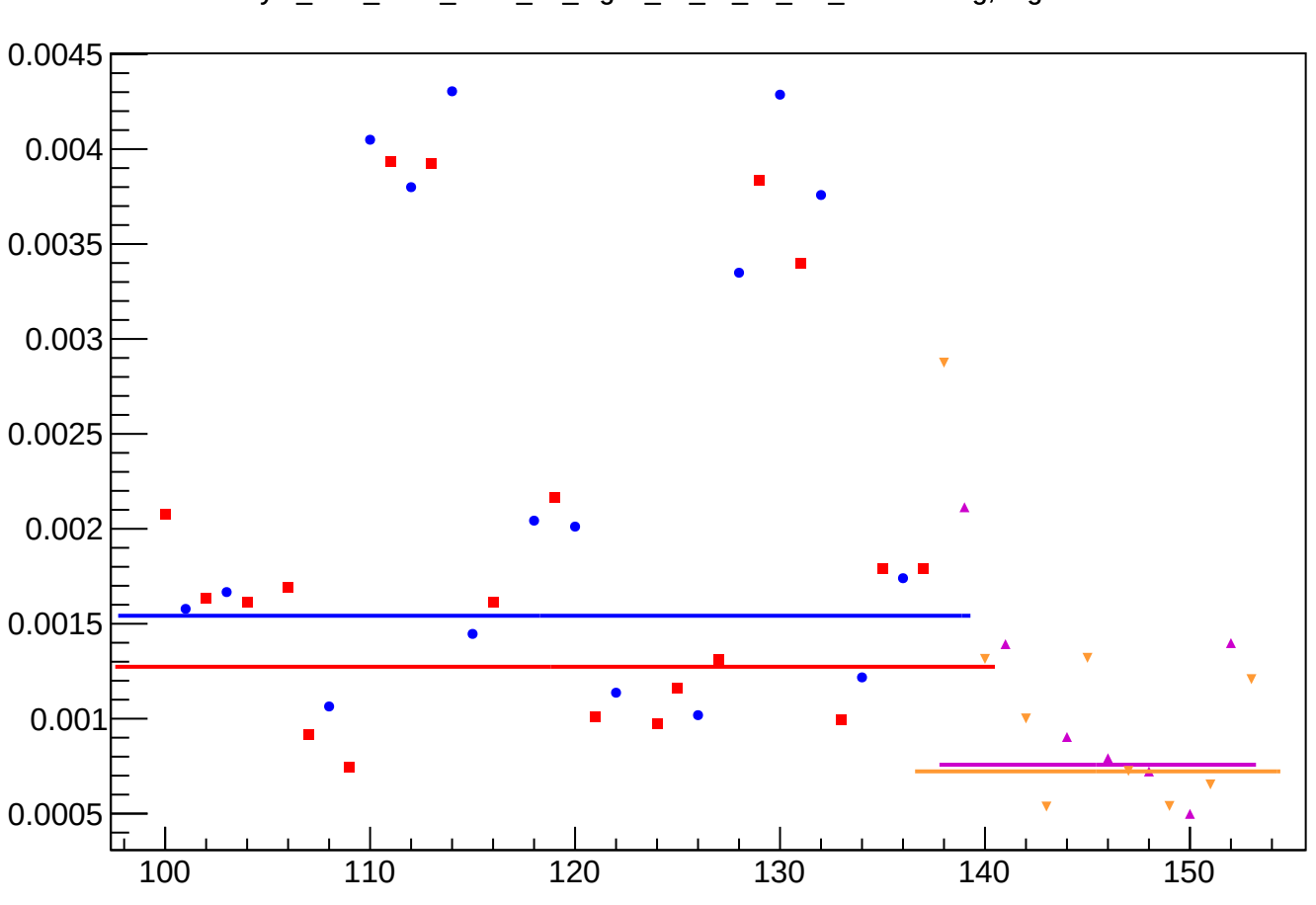
Left: -0.000+/-0.000 χ^2/NDF: 15.7/15

Right: -0.000+/-0.000 χ^2/NDF: 41.2/34

In: -0.000+/-0.000 χ^2/NDF:28.1/22

Out: -0.000+/-0.000 χ^2/NDF:29.3/27

All: -0.000+/-0.000 χ^2/NDF: 57.5/50



Right In: 0.002+/-0.000 χ^2/NDF: 2416805.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:2245029.0/8

Right Out: 0.001+/-0.000 χ^2/NDF: 2667436.5/18

Left In: 0.001+/-0.000 χ^2/NDF:1862878.1/6

Left: 0.001+/-0.000 χ^2/NDF: 4119634.0/15

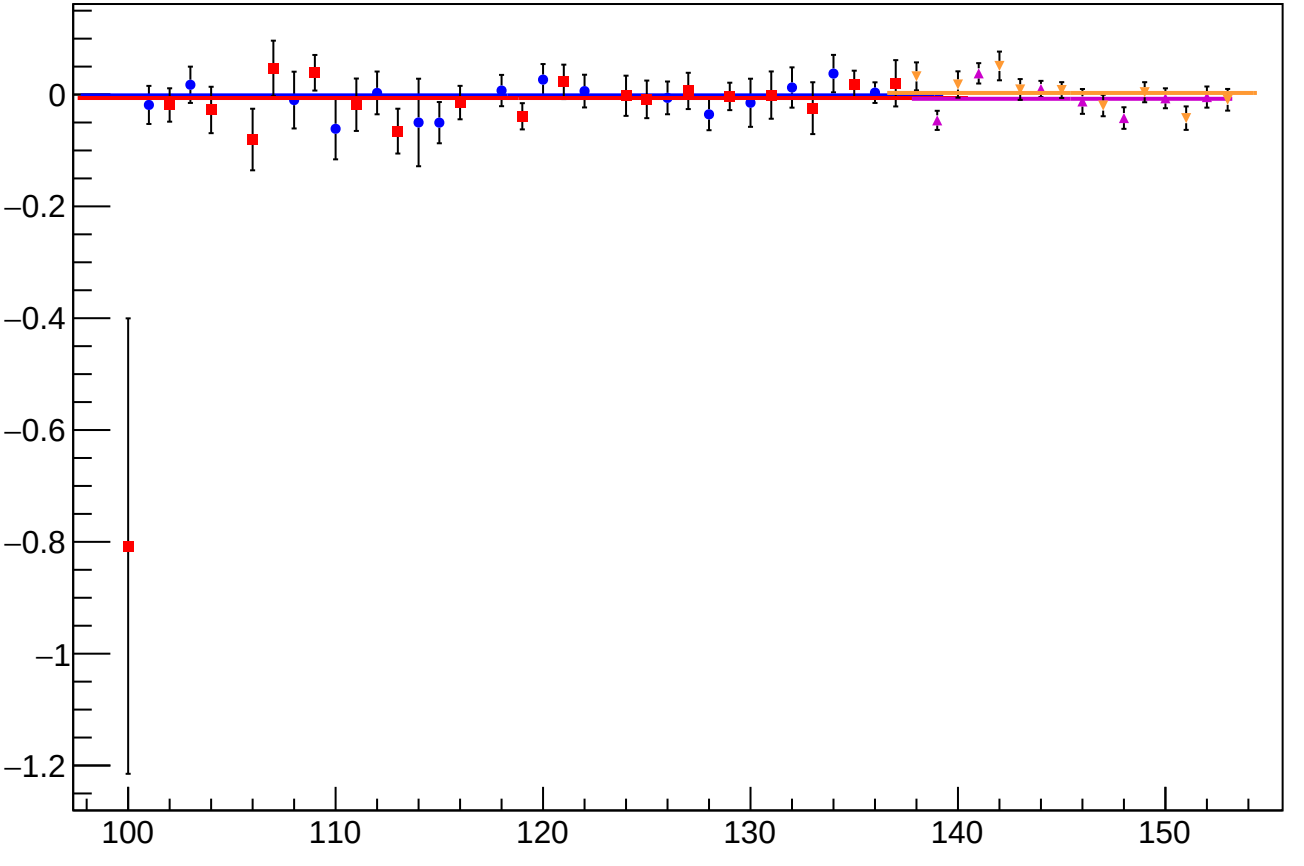
Right: 0.001+/-0.000 χ^2/NDF: 5298926.0/34

In: 0.001+/-0.000 χ^2/NDF:6674442.2/22

Out: 0.001+/-0.000 χ^2/NDF:6564165.0/27

All: 0.001+/-0.000 χ^2/NDF: 13306288.8/50

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: 0.003+/-0.007 χ^2/NDF:12.0/8

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.008+/-0.007 χ^2/NDF:16.1/6

Left: -0.002+/-0.005 χ^2/NDF: 29.3/15

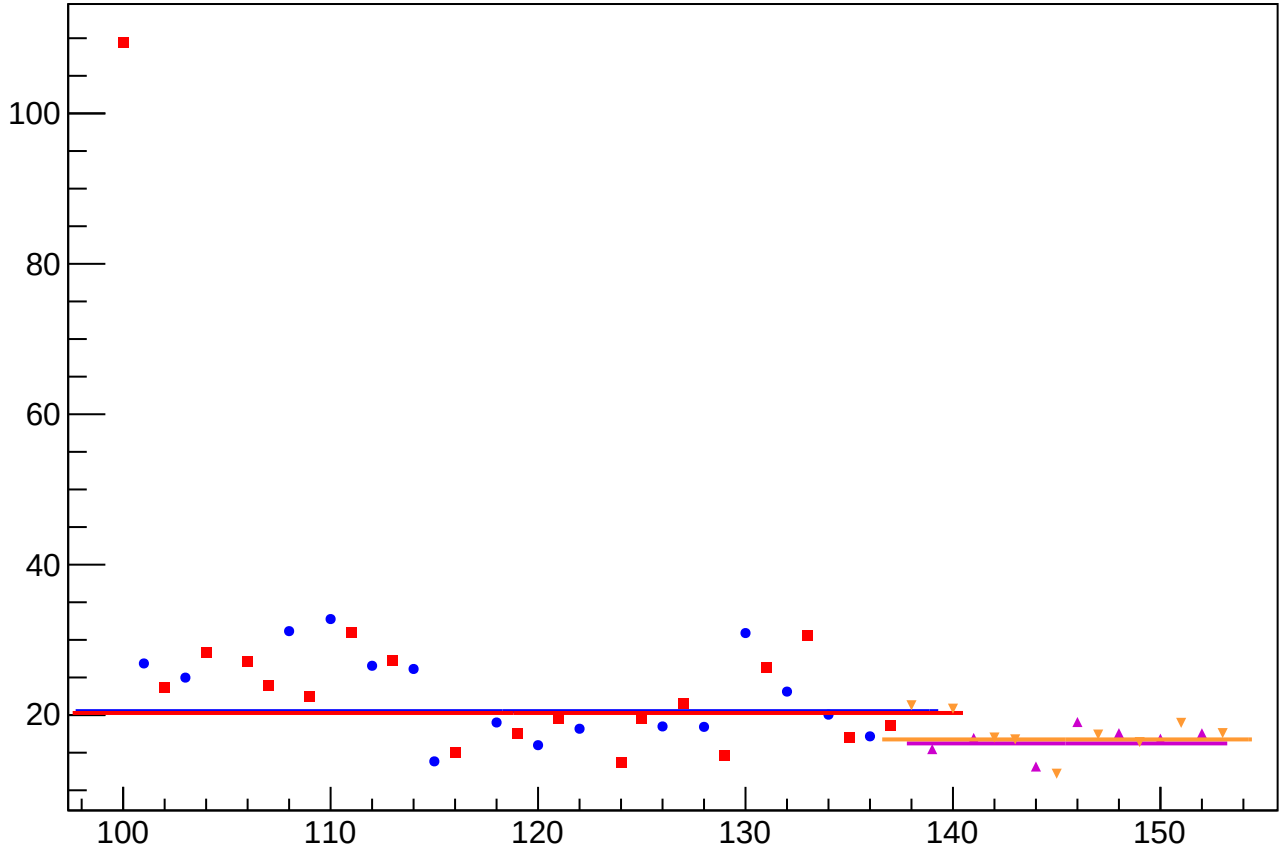
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.005+/-0.005 χ^2/NDF:24.7/22

Out: -0.001+/-0.005 χ^2/NDF:29.0/27

All: -0.003+/-0.004 χ^2/NDF: 54.1/50

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: 16.764+/-0.005 χ^2/NDF:363482.1/8

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.234+/-0.005 χ^2/NDF:153438.0/6

Left: 16.509+/-0.003 χ^2/NDF: 523276.5/15

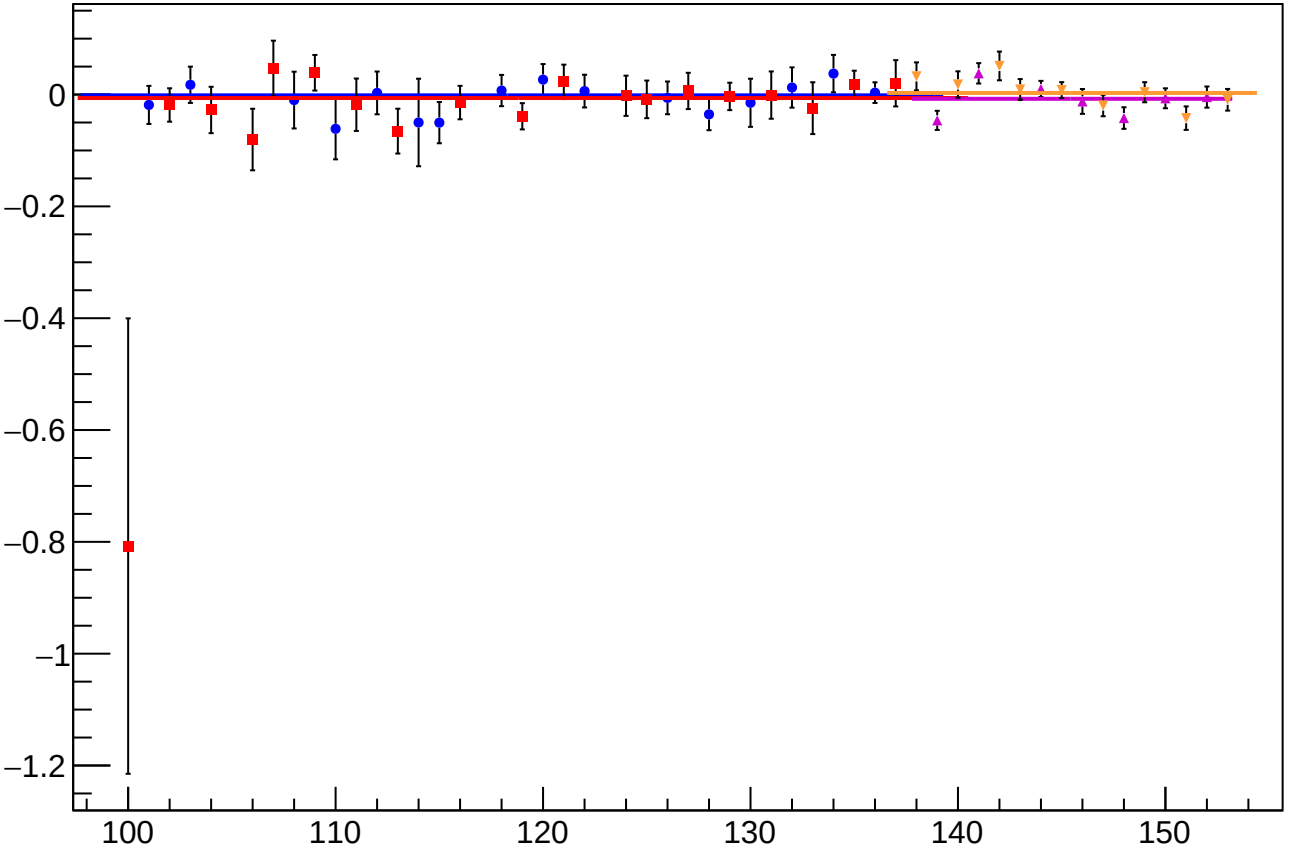
Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 18.003+/-0.004 χ^2/NDF:1191558.1/22

Out: 18.191+/-0.004 χ^2/NDF:1464405.2/27

All: 18.100+/-0.003 χ^2/NDF: 2657313.1/50

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.007 χ^2/NDF:12.0/8

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.008+/-0.007 χ^2/NDF:16.1/6

Left: -0.002+/-0.005 χ^2/NDF: 29.3/15

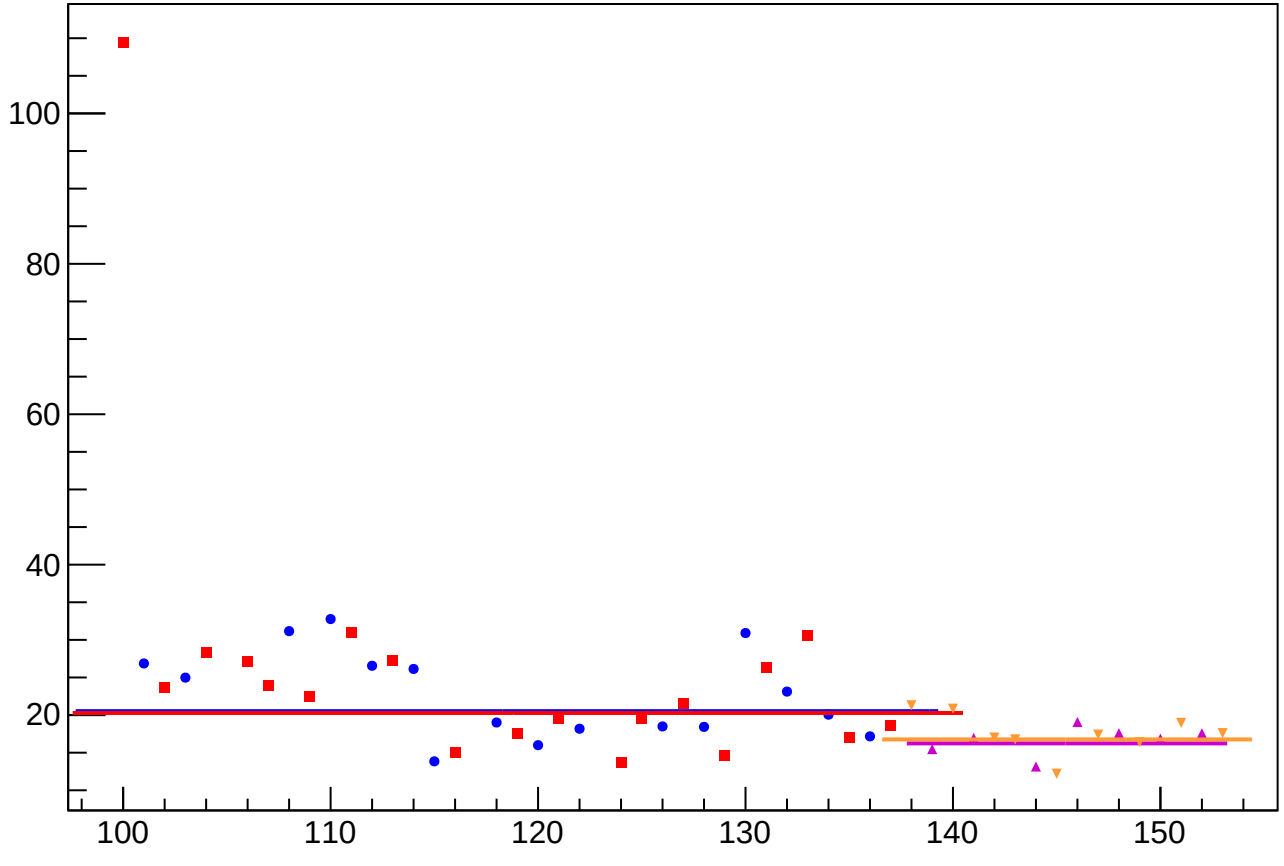
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.005+/-0.005 χ^2/NDF:24.7/22

Out: -0.001+/-0.005 χ^2/NDF:29.0/27

All: -0.003+/-0.004 χ^2/NDF: 54.1/50

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: 16.764+/-0.005 χ^2/NDF:363482.1/8

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.234+/-0.005 χ^2/NDF:153438.0/6

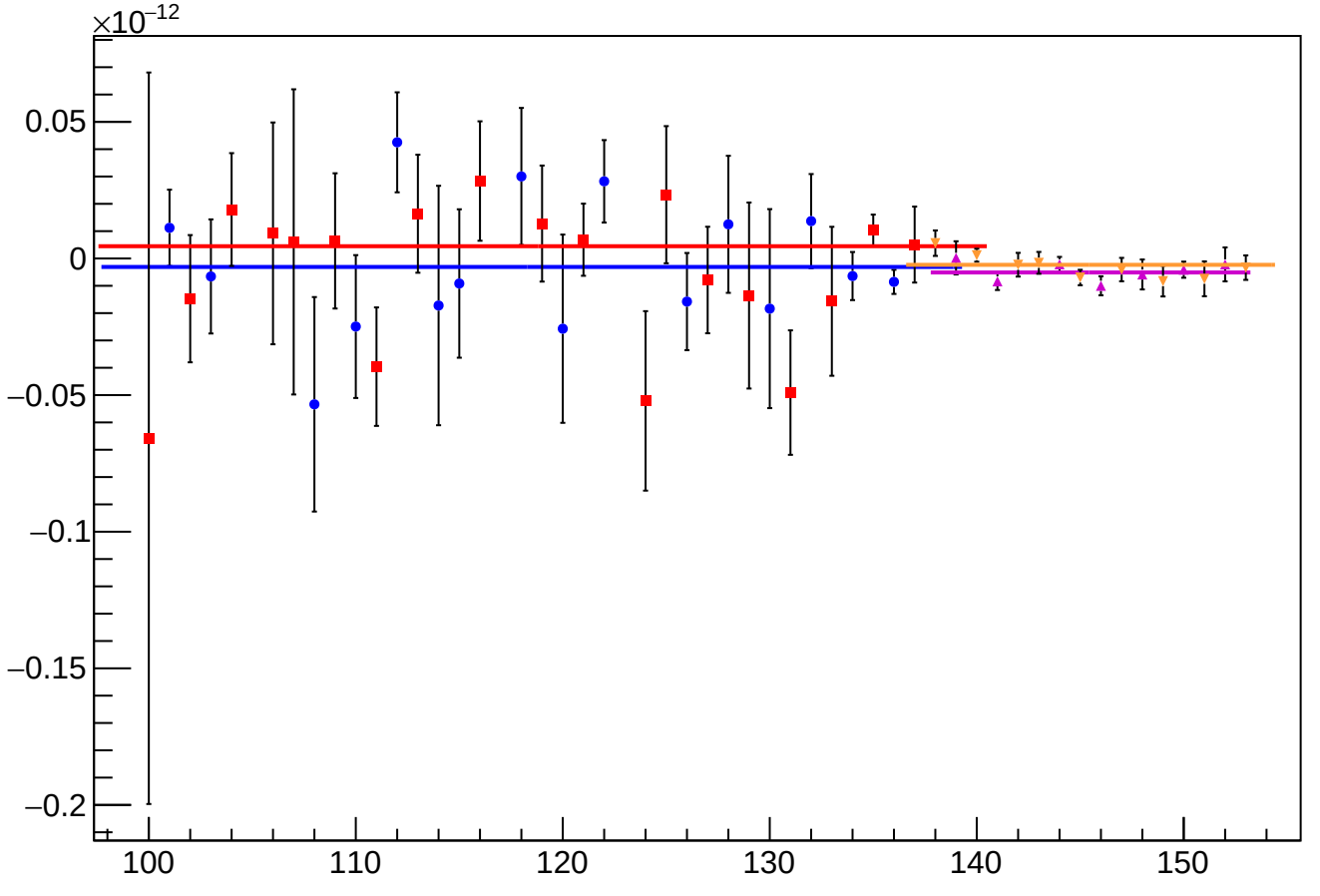
Left: 16.509+/-0.003 χ^2/NDF: 523276.5/15

Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 18.003+/-0.004 χ^2/NDF:1191558.1/22

Out: 18.191+/-0.004 χ^2/NDF:1464405.2/27

All: 18.100+/-0.003 χ^2/NDF: 2657313.1/50



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.8/8

Right Out: 0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: -0.000+/-0.000 χ^2/NDF:5.4/6

Left: -0.000+/-0.000 χ^2/NDF: 17.4/15

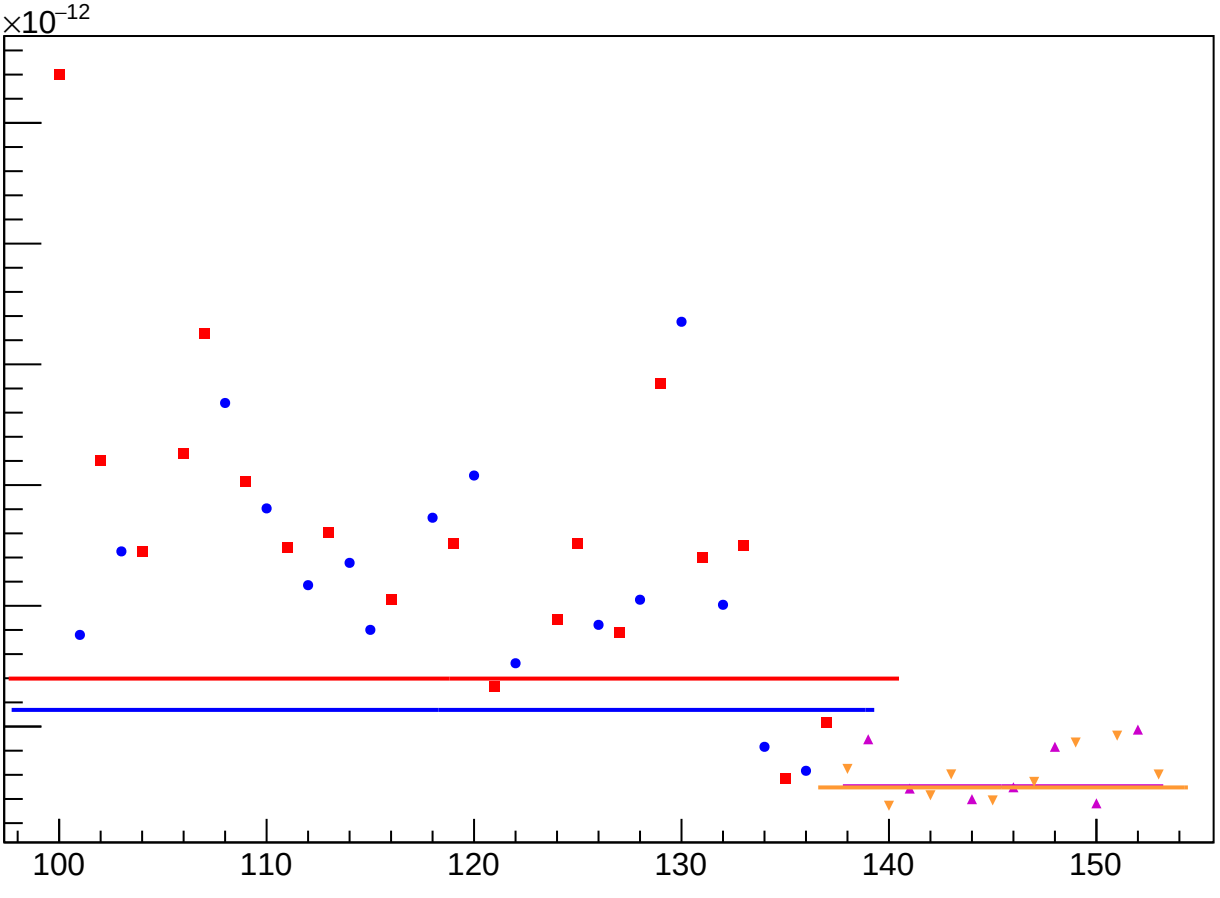
Right: 0.000+/-0.000 χ^2/NDF: 40.8/34

In: -0.000+/-0.000 χ^2/NDF:25.7/22

Out: -0.000+/-0.000 χ^2/NDF:31.2/27

All: -0.000+/-0.000 χ^2/NDF: 60.1/50

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2705902.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:858627.2/8

Right Out: 0.000+/-0.000 χ^2/NDF: 3108073.7/18

Left In: 0.000+/-0.000 χ^2/NDF:863287.9/6

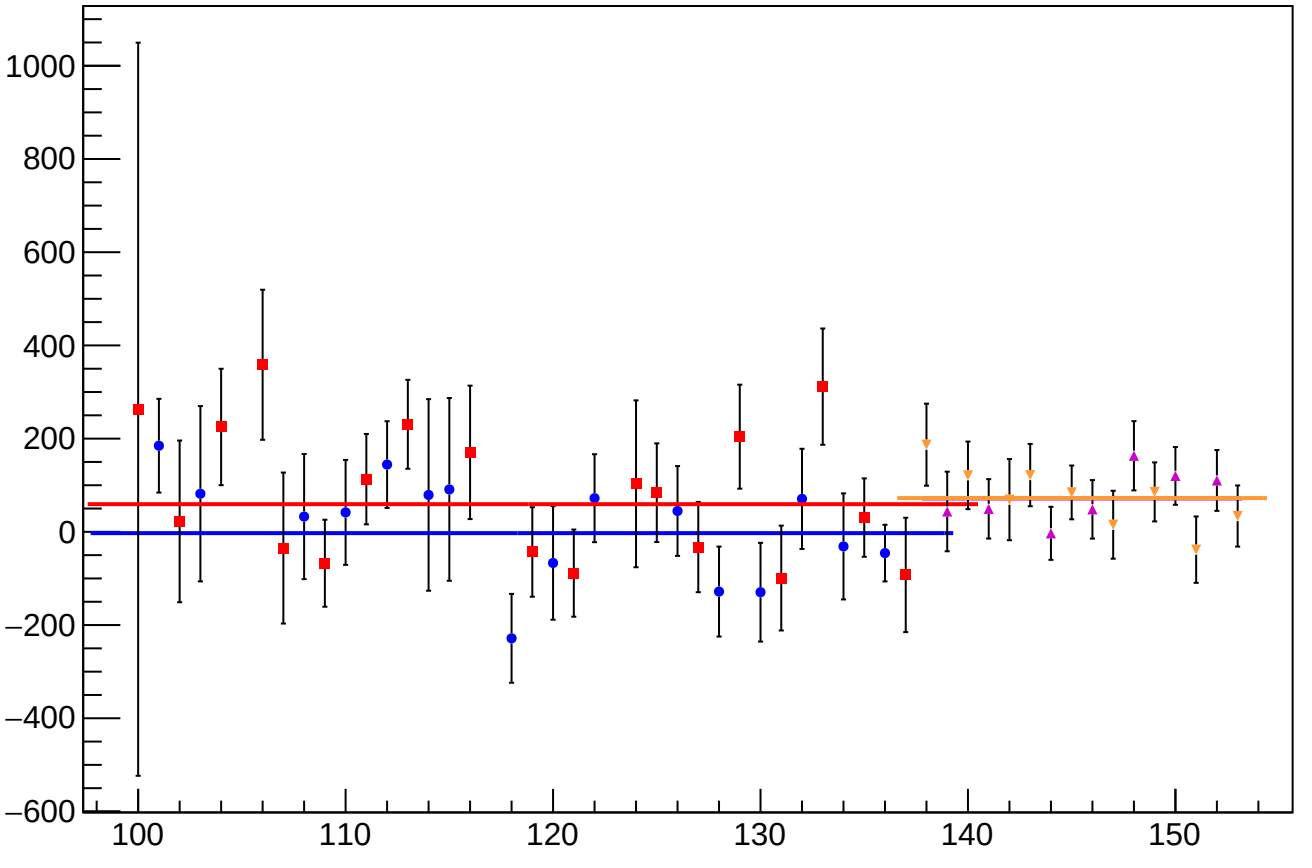
Left: 0.000+/-0.000 χ^2/NDF: 1723363.4/15

Right: 0.000+/-0.000 χ^2/NDF: 5945633.6/34

In: 0.000+/-0.000 χ^2/NDF:5163341.1/22

Out: 0.000+/-0.000 χ^2/NDF:6423848.7/27

All: 0.000+/-0.000 χ^2/NDF: 11593711.9/50



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 72.485+/-23.296 χ^2/NDF:6.2/8

Right Out: 59.349+/-26.382 χ^2/NDF: 25.7/18

Left In: 71.590+/-24.825 χ^2/NDF:4.6/6

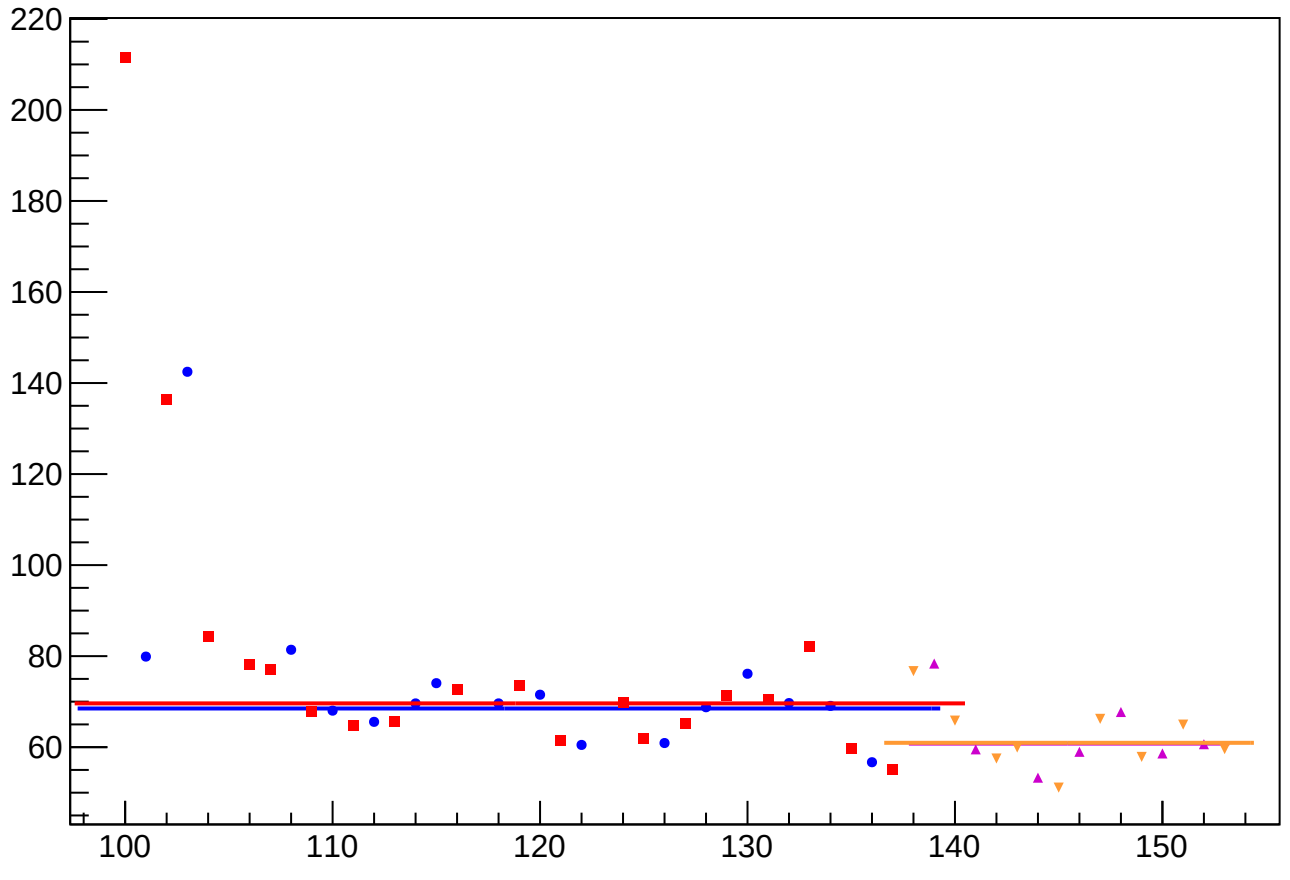
Left: 72.066+/-16.988 χ^2/NDF: 10.7/15

Right: 28.091+/-18.595 χ^2/NDF: 46.2/34

In: 36.433+/-18.025 χ^2/NDF:26.5/22

Out: 66.730+/-17.463 χ^2/NDF:32.0/27

All: 52.061+/-12.542 χ^2/NDF: 60.0/50



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 60.958+/-0.016 χ^2/NDF:157332.1/8

Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 60.784+/-0.018 χ^2/NDF:141715.0/6

Left: 60.877+/-0.012 χ^2/NDF: 299099.3/15

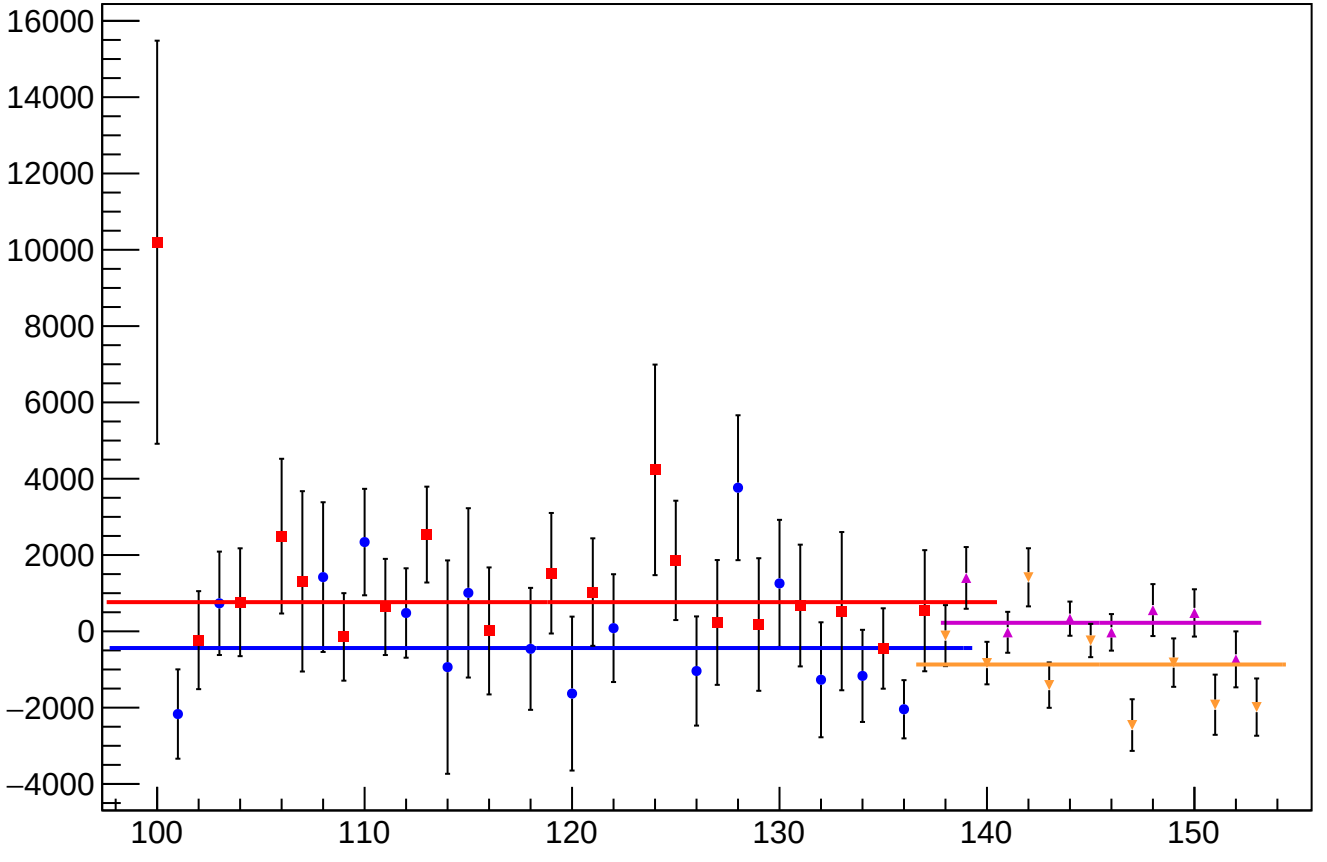
Right: 69.056+/-0.013 χ^2/NDF: 994086.4/34

In: 64.432+/-0.013 χ^2/NDF:704895.2/22

Out: 64.753+/-0.012 χ^2/NDF:798859.4/27

All: 64.597+/-0.009 χ^2/NDF: 1504082.2/50

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: -869.165+/-210.179 χ^2/NDF:22.3/8

Right Out: 765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: 223.447+/-218.408 χ^2/NDF:4.8/6

Left: -343.830+/-151.445 χ^2/NDF: 40.1/15

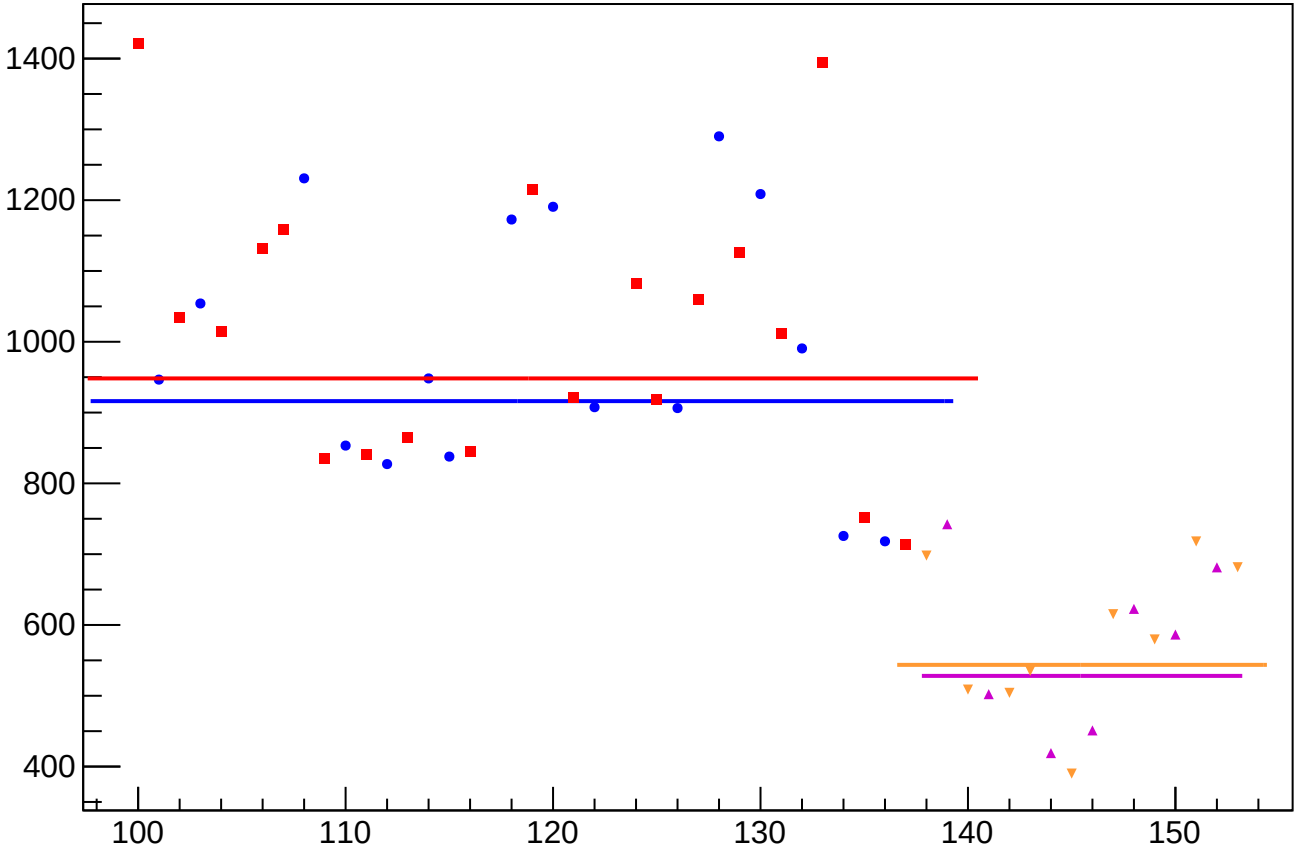
Right: 156.799+/-248.157 χ^2/NDF: 37.7/34

In: 37.364+/-185.124 χ^2/NDF:27.9/22

Out: -441.466+/-180.599 χ^2/NDF:49.5/27

All: -207.975+/-129.273 χ^2/NDF: 80.8/50

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: 543.650+/-0.149 χ^2/NDF:529807.8/8

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

Left In: 528.072+/-0.154 χ^2/NDF:458859.3/6

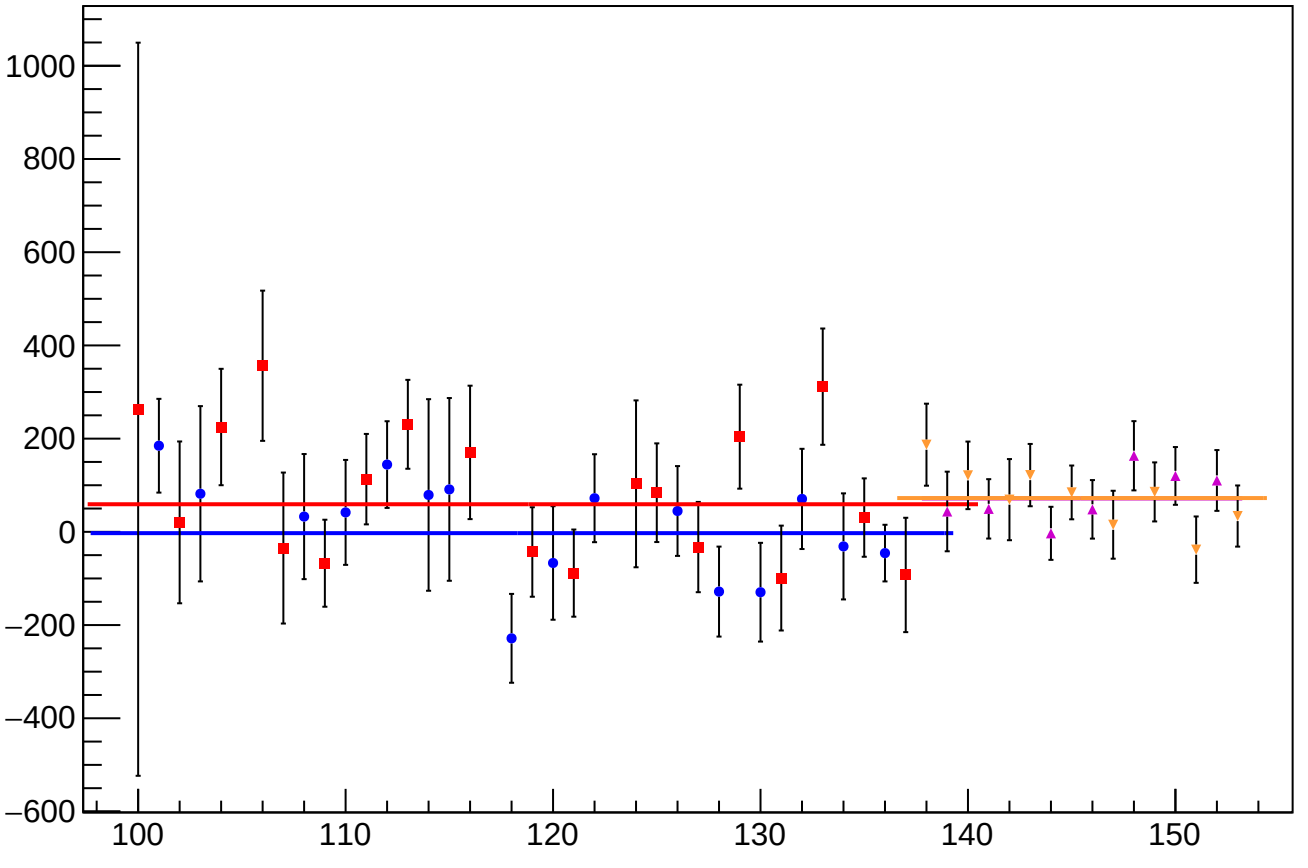
Left: 536.160+/-0.107 χ^2/NDF: 993949.6/15

Right: 932.012+/-0.175 χ^2/NDF: 932665.3/34

In: 637.346+/-0.131 χ^2/NDF:2746068.2/22

Out: 649.517+/-0.128 χ^2/NDF:2884207.5/27

All: 643.582+/-0.091 χ^2/NDF: 5634705.3/50



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 72.492+/-23.296 χ^2/NDF:6.2/8

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 71.592+/-24.825 χ^2/NDF:4.6/6

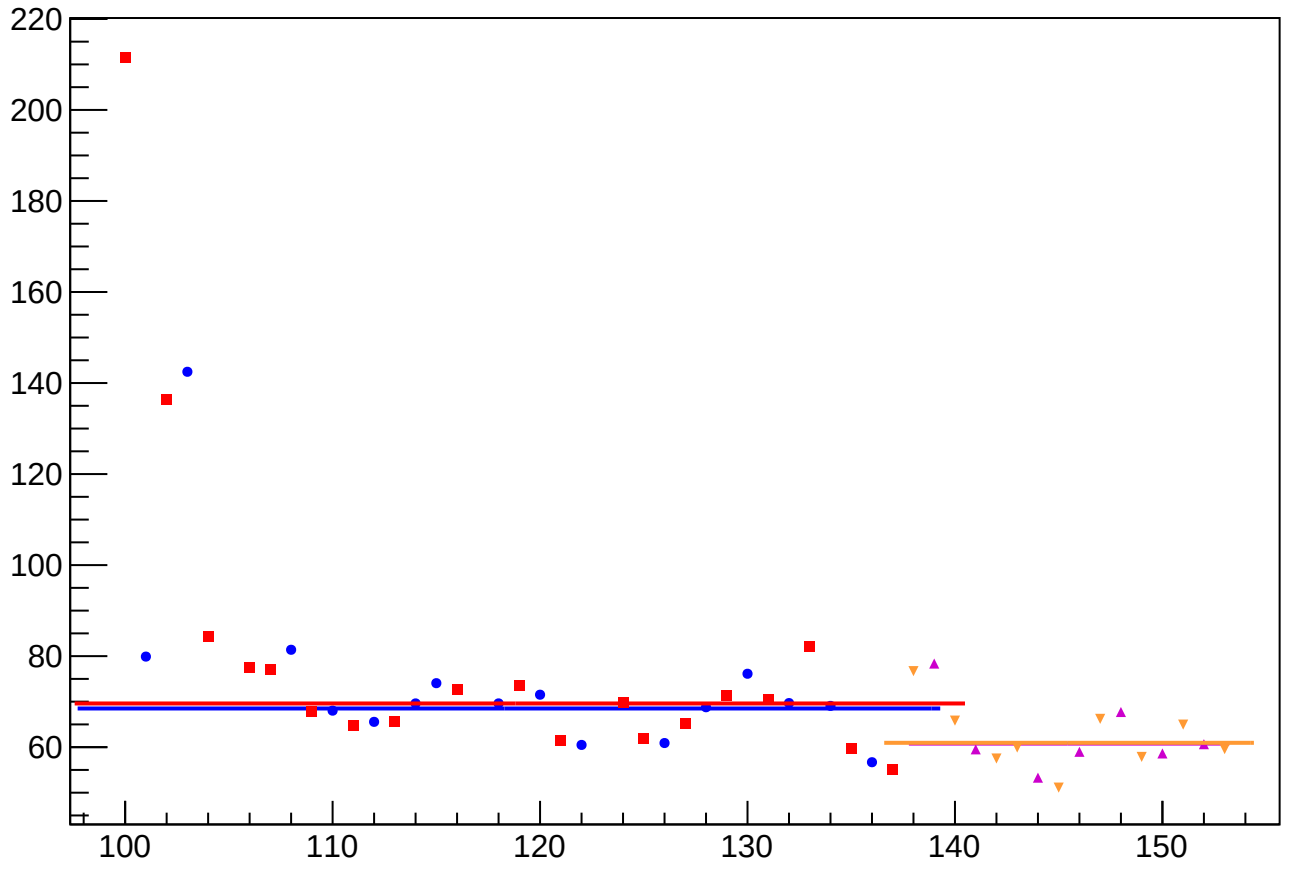
Left: 72.071+/-16.988 χ^2/NDF: 10.7/15

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 36.430+/-18.025 χ^2/NDF:26.5/22

Out: 66.681+/-17.463 χ^2/NDF:32.0/27

All: 52.034+/-12.542 χ^2/NDF: 59.9/50



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.958+/-0.016 χ^2/NDF:157332.1/8

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.784+/-0.018 χ^2/NDF:141715.0/6

Left: 60.877+/-0.012 χ^2/NDF: 299099.3/15

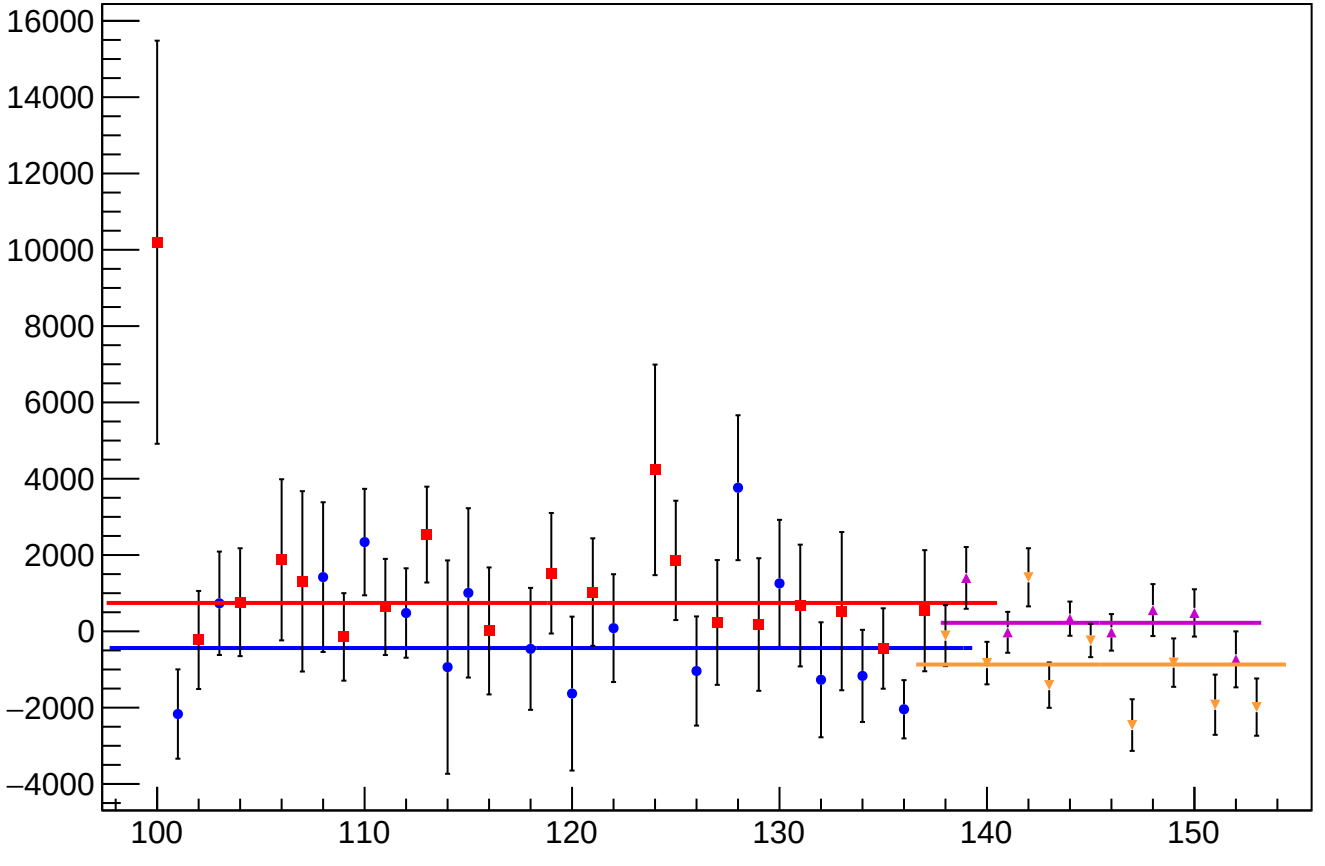
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 64.432+/-0.013 χ^2/NDF:704898.2/22

Out: 64.744+/-0.012 χ^2/NDF:797701.0/27

All: 64.593+/-0.009 χ^2/NDF: 1502909.5/50

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: -869.159+/-210.179 χ^2/NDF:22.3/8

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 223.451+/-218.408 χ^2/NDF:4.8/6

Left: -343.824+/-151.445 χ^2/NDF: 40.1/15

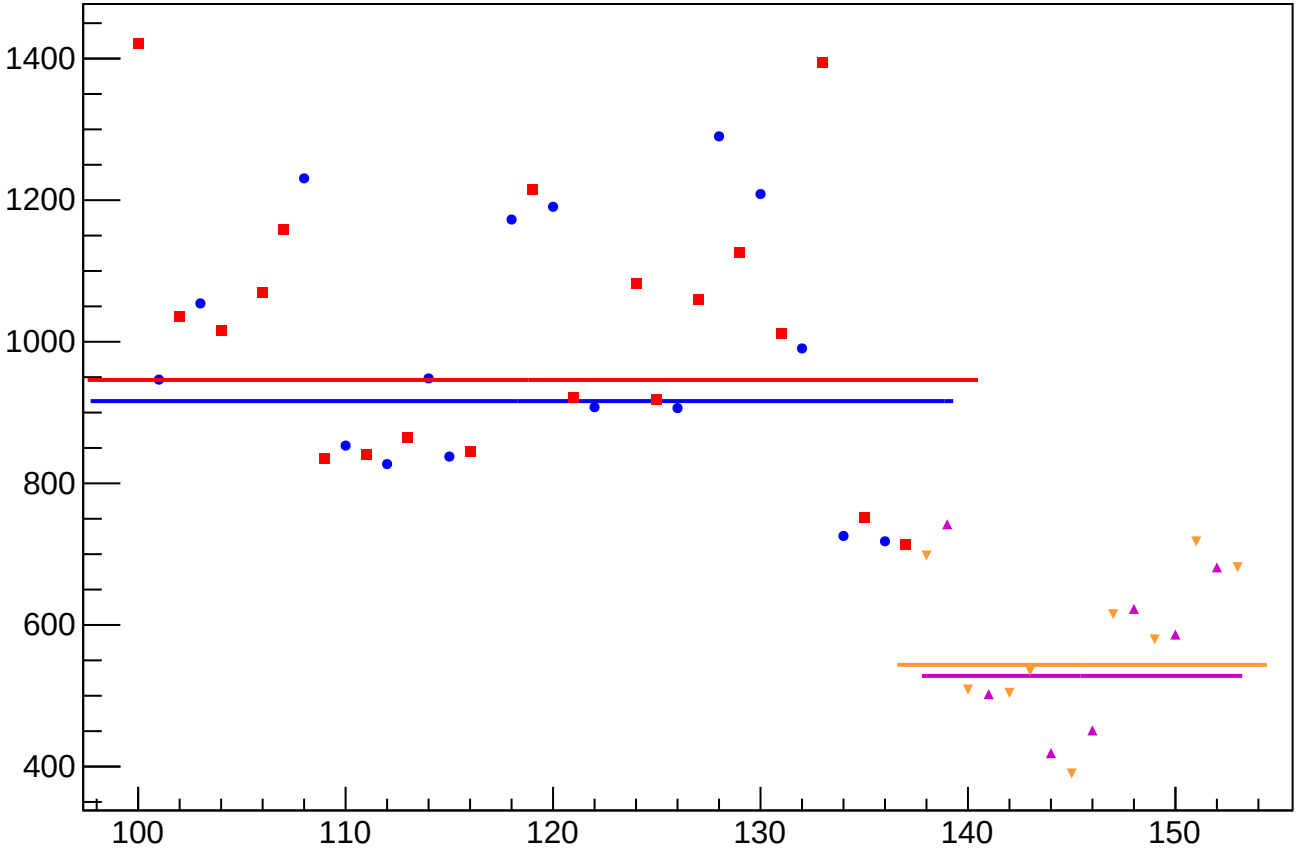
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 37.378+/-185.124 χ^2/NDF:27.9/22

Out: -447.713+/-180.657 χ^2/NDF:48.6/27

All: -211.091+/-129.294 χ^2/NDF: 80.0/50

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: 543.649+/-0.149 χ^2/NDF:529810.9/8

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 528.072+/-0.154 χ^2/NDF:458858.5/6

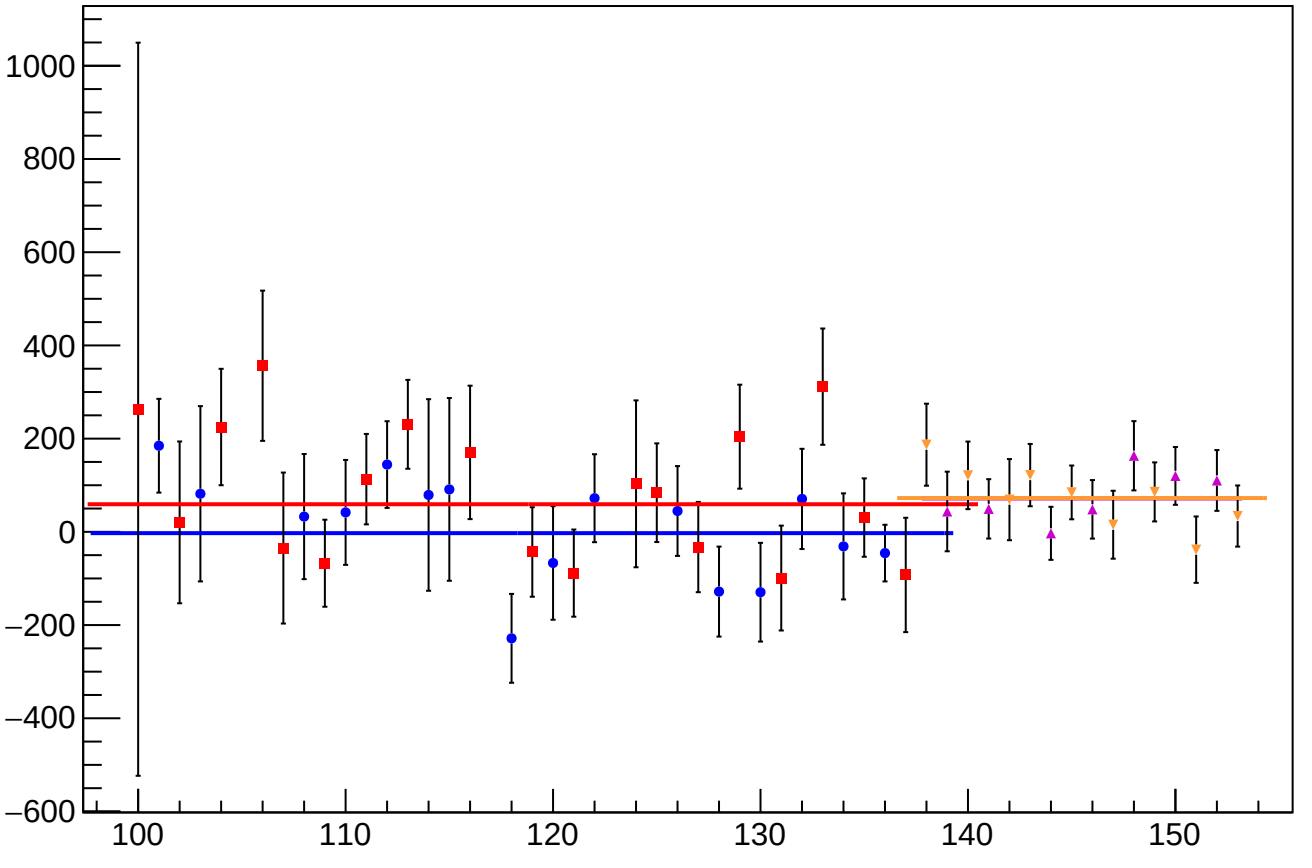
Left: 536.160+/-0.107 χ^2/NDF: 993951.5/15

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 637.346+/-0.131 χ^2/NDF:2746109.4/22

Out: 648.764+/-0.128 χ^2/NDF:2850452.2/27

All: 643.195+/-0.091 χ^2/NDF: 5600458.7/50



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 72.492+/-23.296 χ^2/NDF:6.2/8

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 71.592+/-24.825 χ^2/NDF:4.6/6

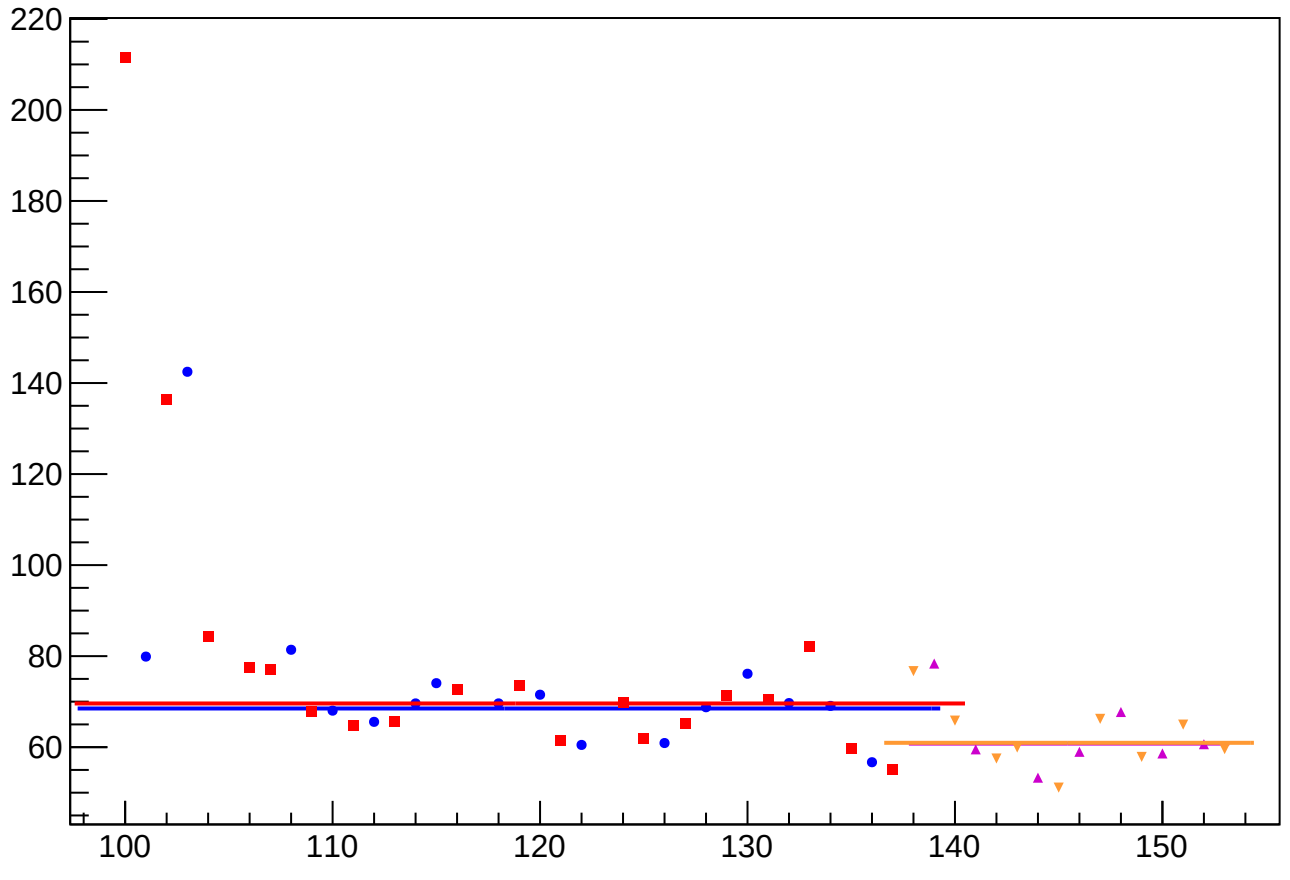
Left: 72.071+/-16.988 χ^2/NDF: 10.7/15

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 36.430+/-18.025 χ^2/NDF:26.5/22

Out: 66.681+/-17.463 χ^2/NDF:32.0/27

All: 52.034+/-12.542 χ^2/NDF: 59.9/50



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.958+/-0.016 χ^2/NDF:157332.1/8

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.784+/-0.018 χ^2/NDF:141715.0/6

Left: 60.877+/-0.012 χ^2/NDF: 299099.3/15

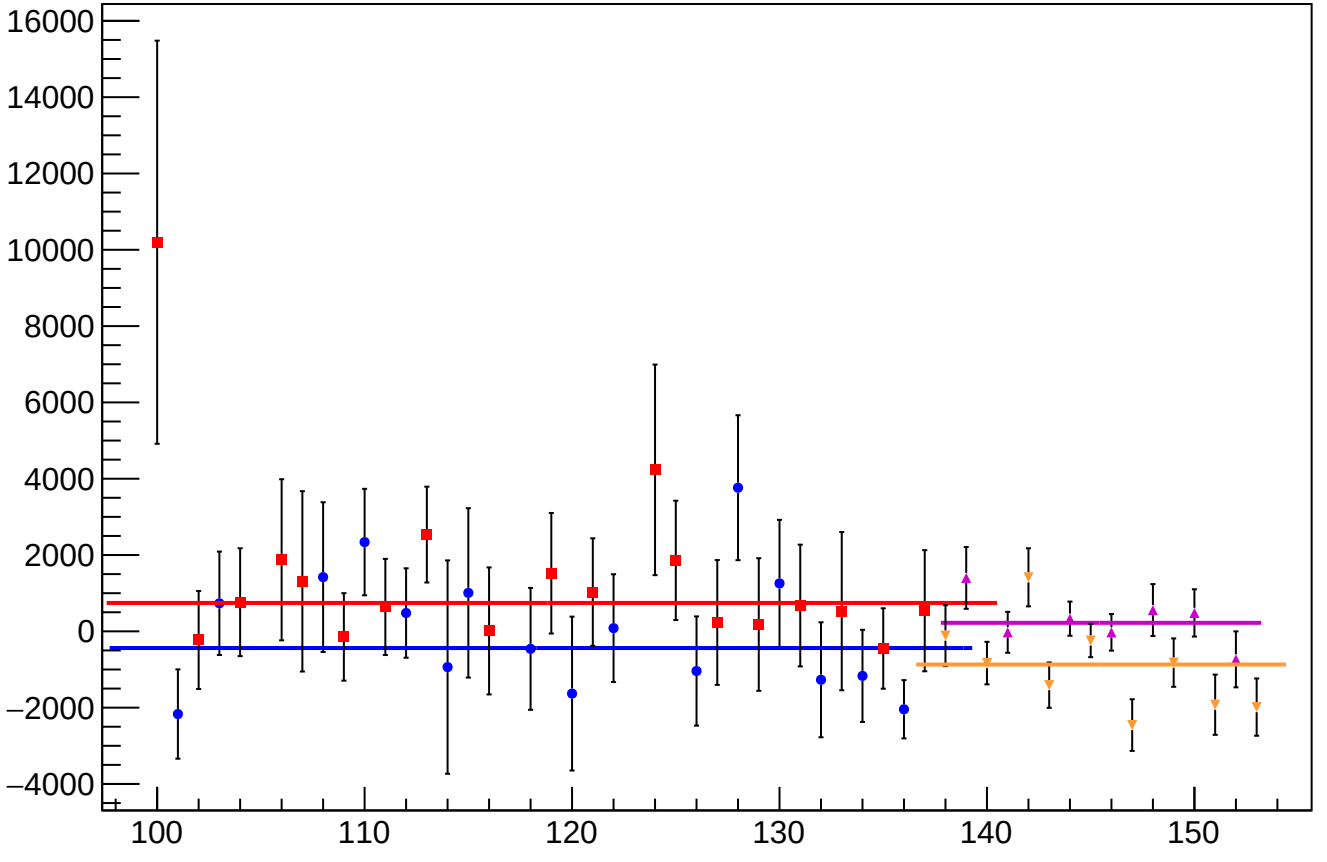
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 64.432+/-0.013 χ^2/NDF:704898.2/22

Out: 64.744+/-0.012 χ^2/NDF:797701.0/27

All: 64.593+/-0.009 χ^2/NDF: 1502909.5/50

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: -869.159+/-210.179 χ^2/NDF:22.3/8

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 223.451+/-218.408 χ^2/NDF:4.8/6

Left: -343.824+/-151.445 χ^2/NDF: 40.1/15

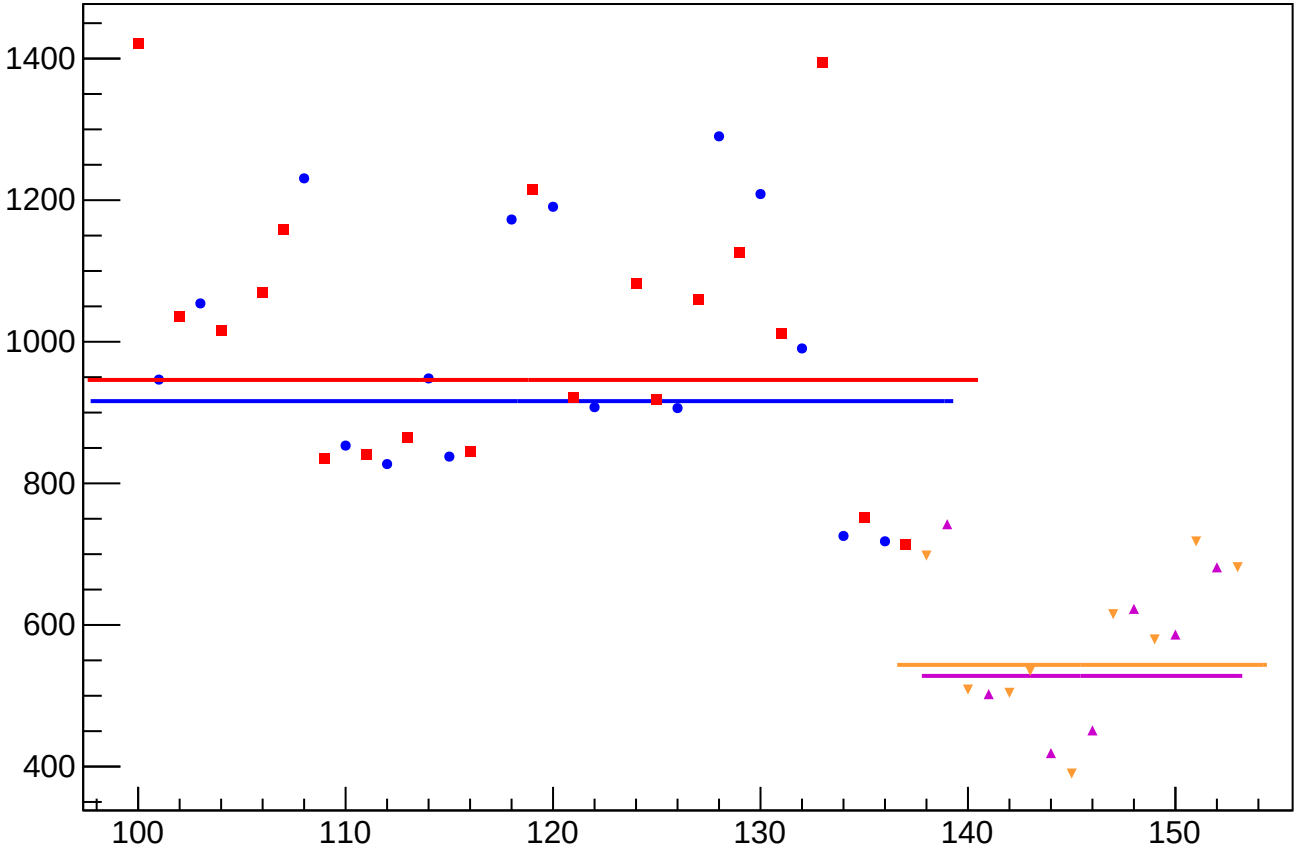
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 37.378+/-185.124 χ^2/NDF:27.9/22

Out: -447.713+/-180.657 χ^2/NDF:48.6/27

All: -211.091+/-129.294 χ^2/NDF: 80.0/50

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: 543.649+/-0.149 χ^2/NDF:529810.9/8

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 528.072+/-0.154 χ^2/NDF:458858.5/6

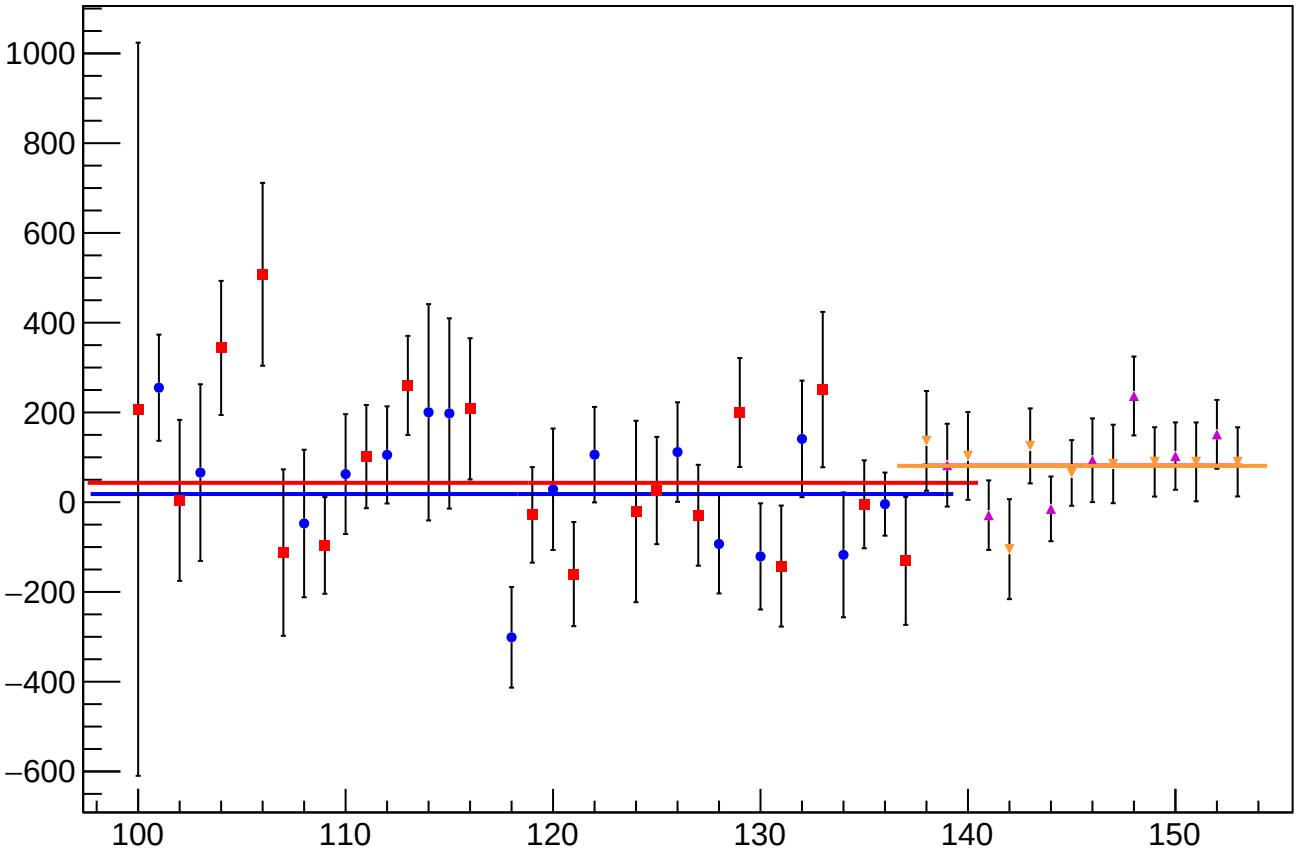
Left: 536.160+/-0.107 χ^2/NDF: 993951.5/15

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 637.346+/-0.131 χ^2/NDF:2746109.4/22

Out: 648.764+/-0.128 χ^2/NDF:2850452.2/27

All: 643.195+/-0.091 χ^2/NDF: 5600458.7/50



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 80.941+/-28.967 χ^2/NDF:3.4/8

Right Out: 43.146+/-30.707 χ^2/NDF: 27.7/18

Left In: 81.729+/-30.589 χ^2/NDF:7.9/6

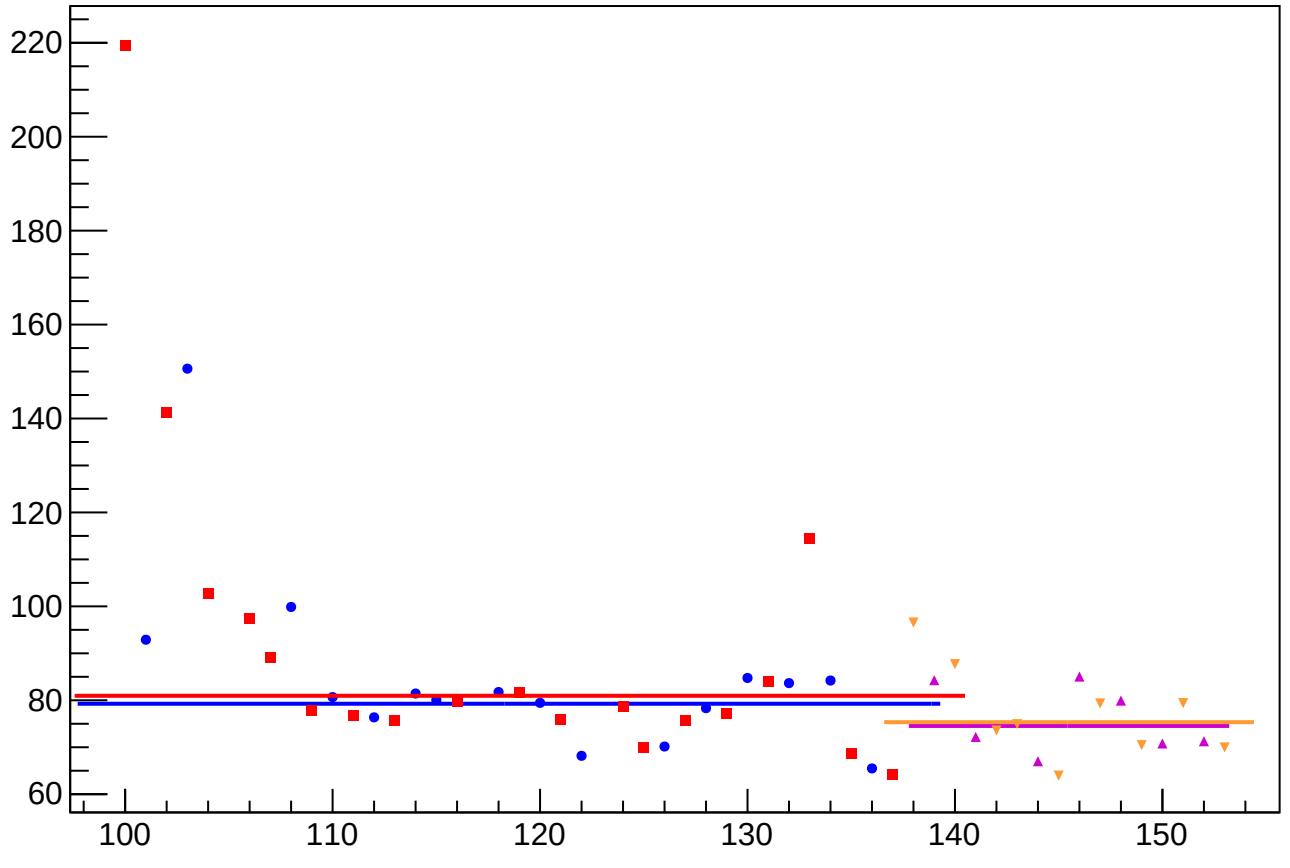
Left: 81.314+/-21.033 χ^2/NDF: 11.3/15

Right: 30.513+/-21.585 χ^2/NDF: 48.2/34

In: 49.699+/-21.543 χ^2/NDF:30.2/22

Out: 63.145+/-21.071 χ^2/NDF:32.0/27

All: 56.571+/-15.064 χ^2/NDF: 62.3/50



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 75.340+/-0.020 χ^2/NDF:179672.2/8

Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 74.539+/-0.022 χ^2/NDF:87413.1/6

Left: 74.961+/-0.015 χ^2/NDF: 267808.7/15

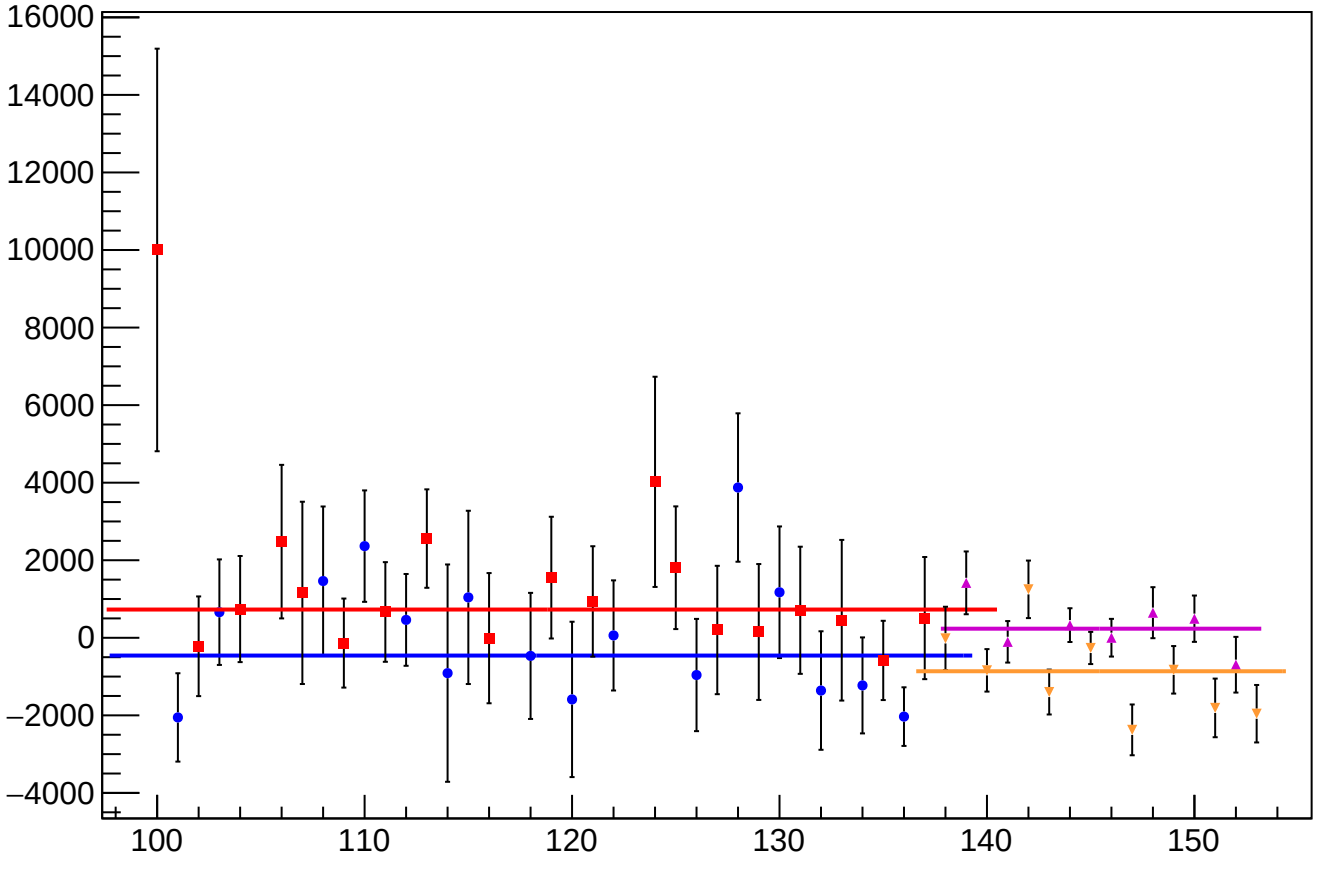
Right: 80.101+/-0.015 χ^2/NDF: 962217.4/34

In: 76.920+/-0.015 χ^2/NDF:556408.3/22

Out: 77.985+/-0.015 χ^2/NDF:729283.4/27

All: 77.464+/-0.011 χ^2/NDF: 1288193.0/50

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: -862.576+/-204.088 χ^2/NDF:21.2/8

Right Out: 728.750+/-352.574 χ^2/NDF: 11.5/18

Left In: 234.712+/-215.304 χ^2/NDF:5.1/6

Left: -343.257+/-148.119 χ^2/NDF: 40.0/15

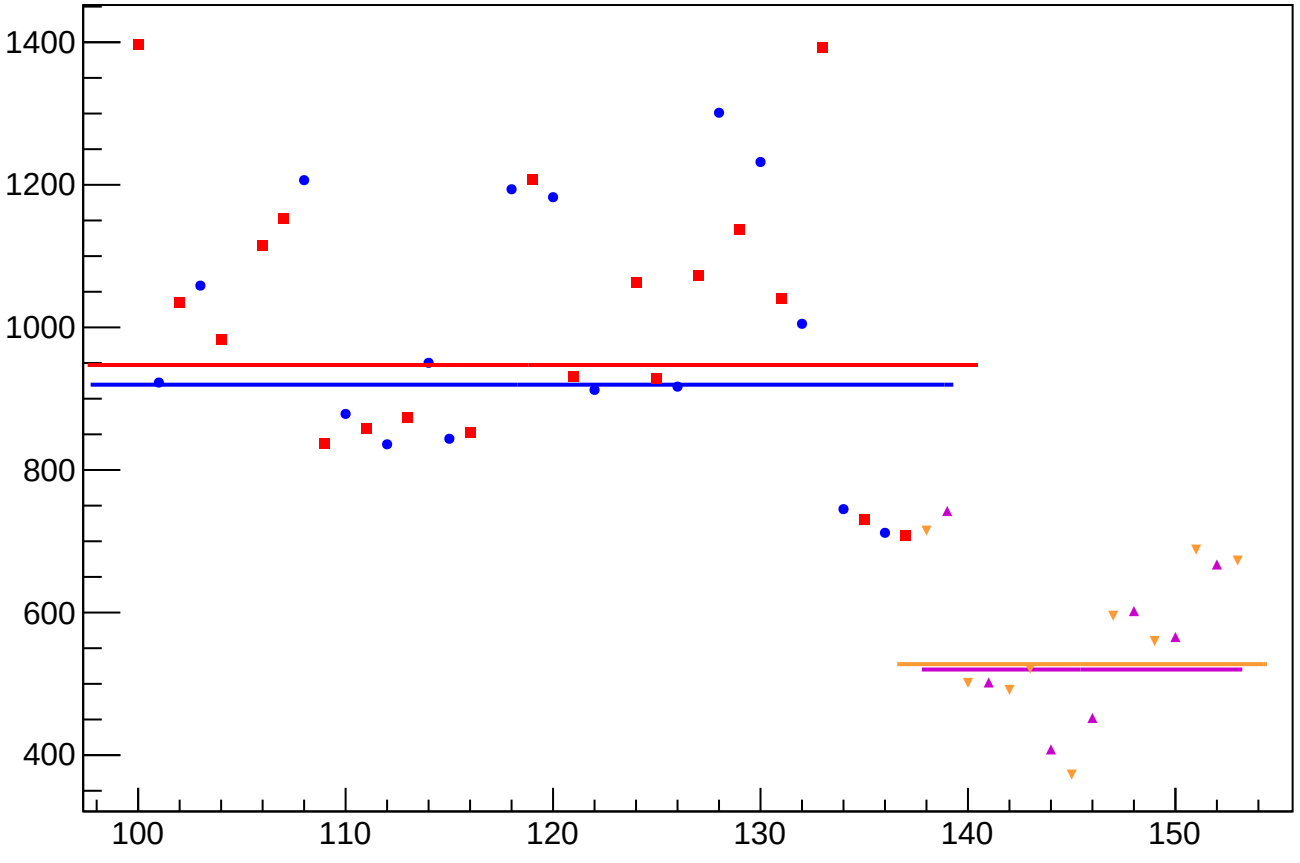
Right: 131.100+/-248.419 χ^2/NDF: 37.5/34

In: 44.571+/-183.395 χ^2/NDF:28.2/22

Out: -463.192+/-176.631 χ^2/NDF:48.0/27

All: -218.848+/-127.221 χ^2/NDF: 80.2/50

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: 527.618+/-0.144 χ^2/NDF:587966.5/8

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

Left In: 520.084+/-0.152 χ^2/NDF:451600.2/6

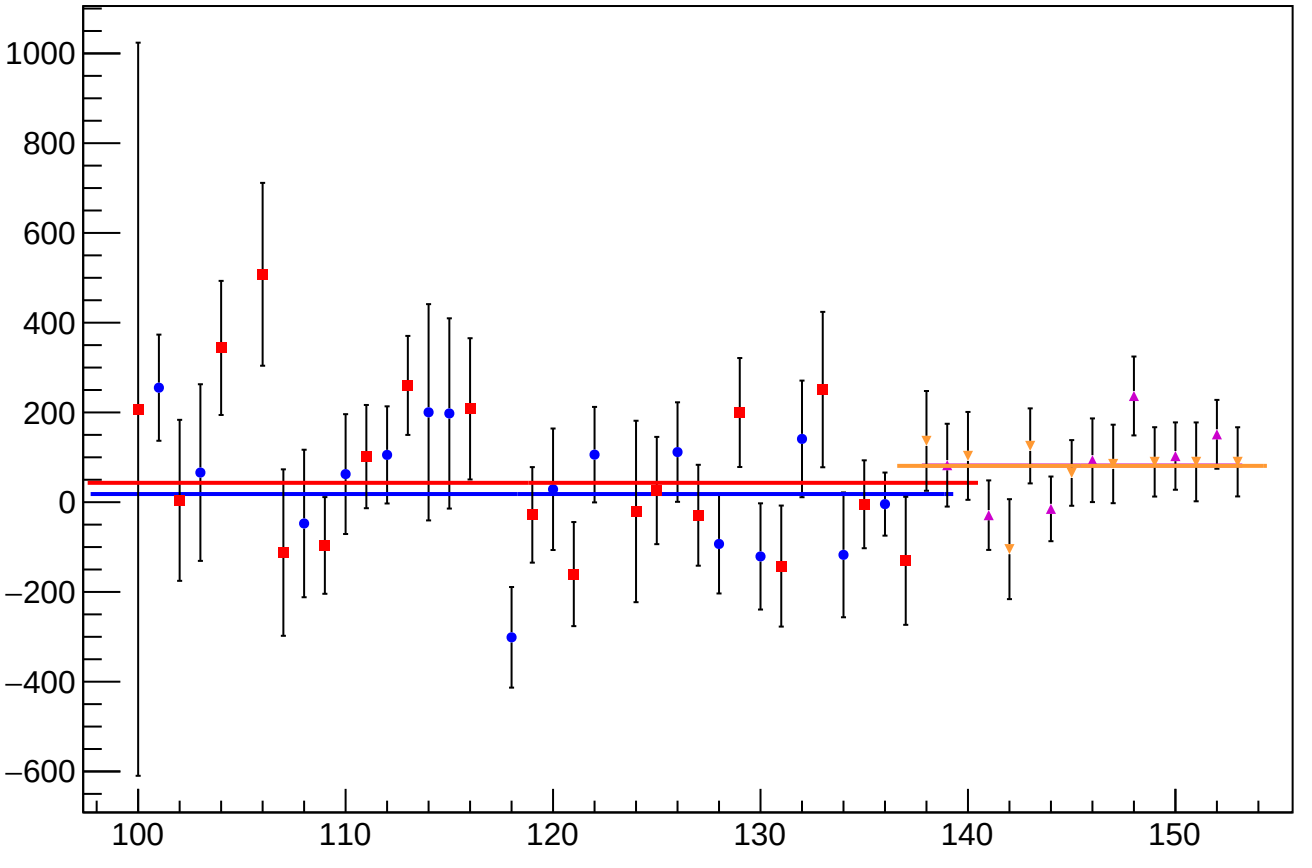
Left: 524.052+/-0.105 χ^2/NDF: 1040856.6/15

Right: 933.357+/-0.176 χ^2/NDF: 947194.3/34

In: 629.740+/-0.130 χ^2/NDF:2857340.5/22

Out: 632.941+/-0.125 χ^2/NDF:3135839.3/27

All: 631.400+/-0.090 χ^2/NDF: 5993496.0/50



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 80.942+/-28.967 χ^2/NDF:3.4/8

Right Out: 43.144+/-30.707 χ^2/NDF: 27.7/18

Left In: 81.730+/-30.589 χ^2/NDF:7.9/6

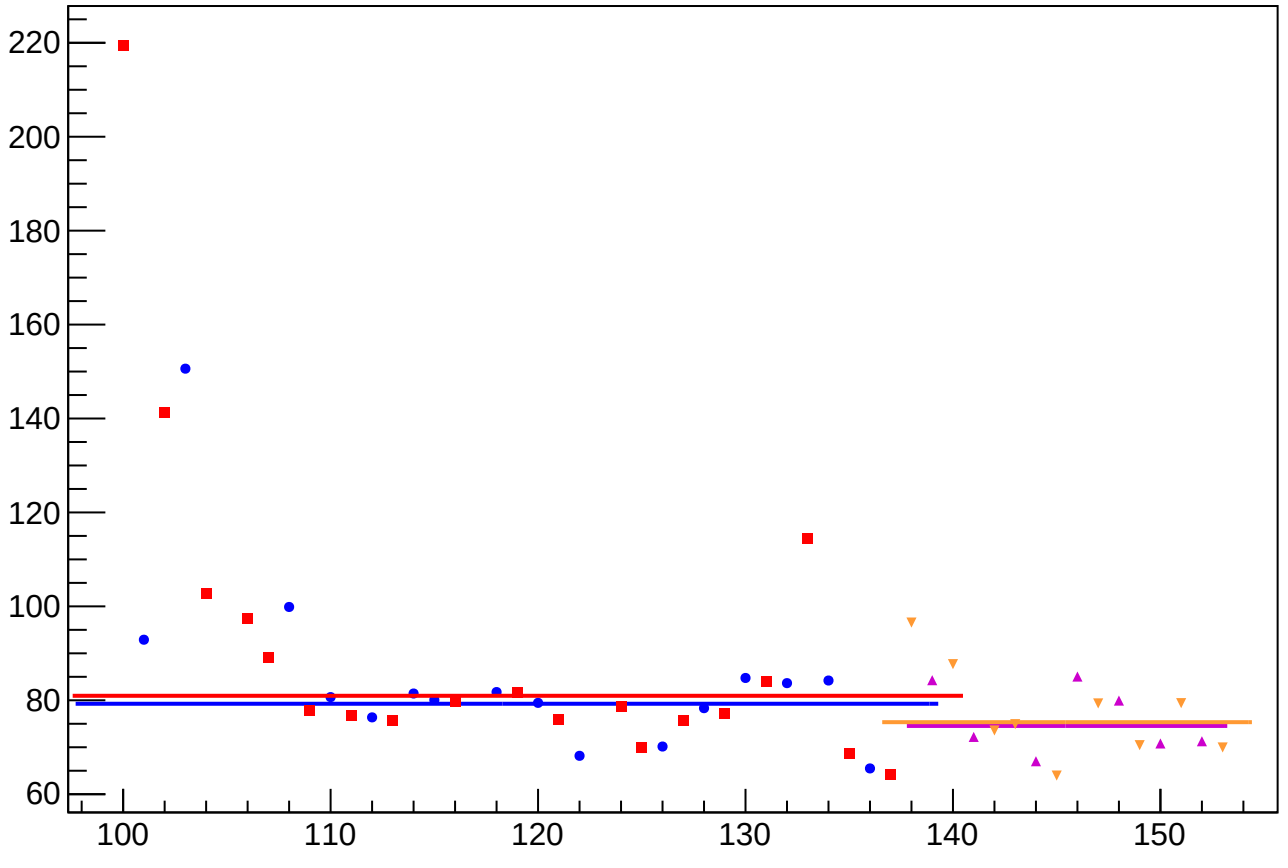
Left: 81.314+/-21.033 χ^2/NDF: 11.3/15

Right: 30.512+/-21.584 χ^2/NDF: 48.2/34

In: 49.699+/-21.543 χ^2/NDF:30.2/22

Out: 63.144+/-21.071 χ^2/NDF:32.0/27

All: 56.570+/-15.064 χ^2/NDF: 62.3/50



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 75.340+/-0.020 χ^2/NDF:179664.8/8

Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 74.539+/-0.022 χ^2/NDF:87411.1/6

Left: 74.961+/-0.015 χ^2/NDF: 267799.4/15

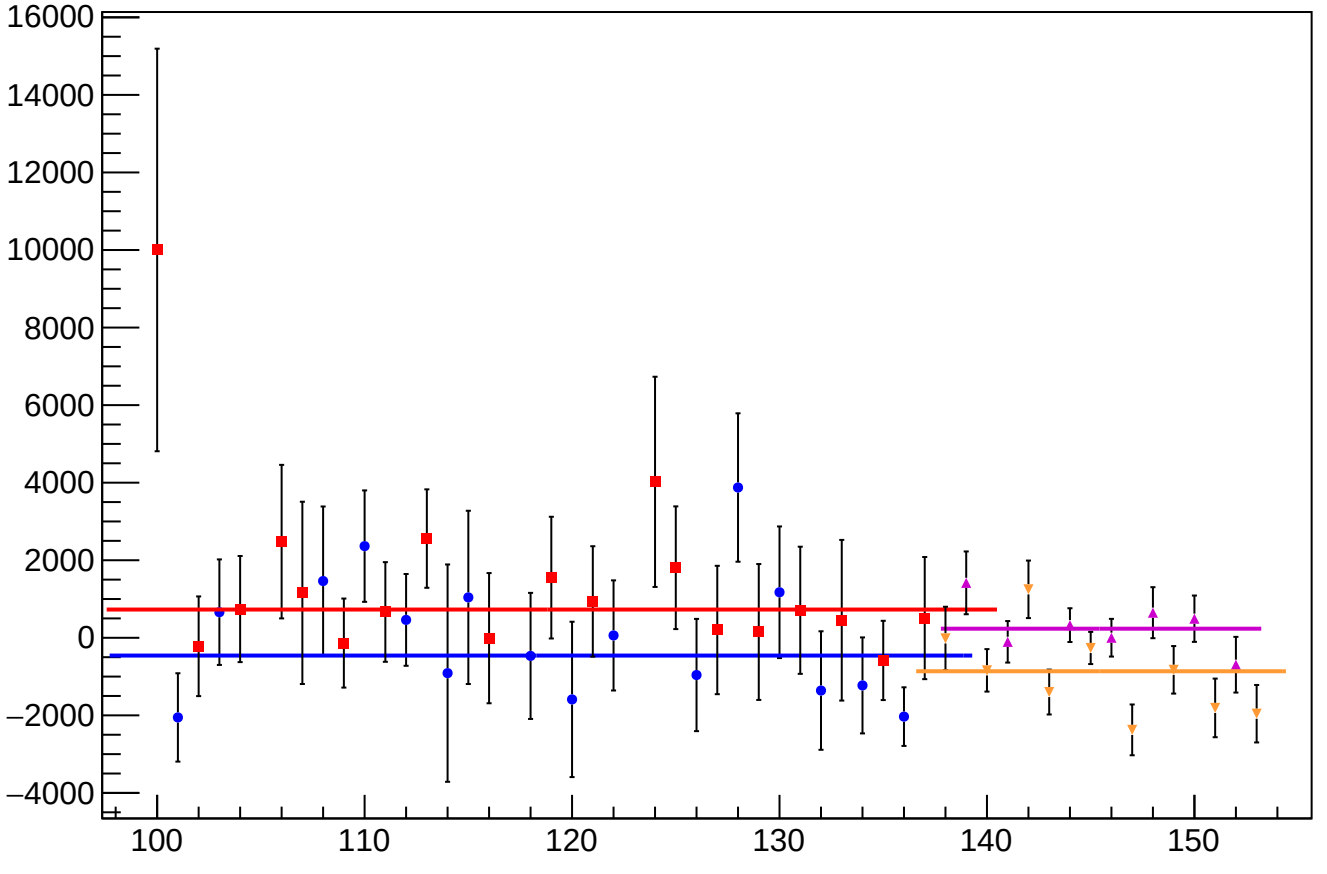
Right: 80.100+/-0.015 χ^2/NDF: 962223.7/34

In: 76.920+/-0.015 χ^2/NDF:556397.3/22

Out: 77.986+/-0.015 χ^2/NDF:729277.1/27

All: 77.464+/-0.011 χ^2/NDF: 1288176.0/50

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: -862.576+/-204.088 χ^2/NDF:21.2/8

Right Out: 728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: 234.711+/-215.304 χ^2/NDF:5.1/6

Left: -343.257+/-148.118 χ^2/NDF: 40.0/15

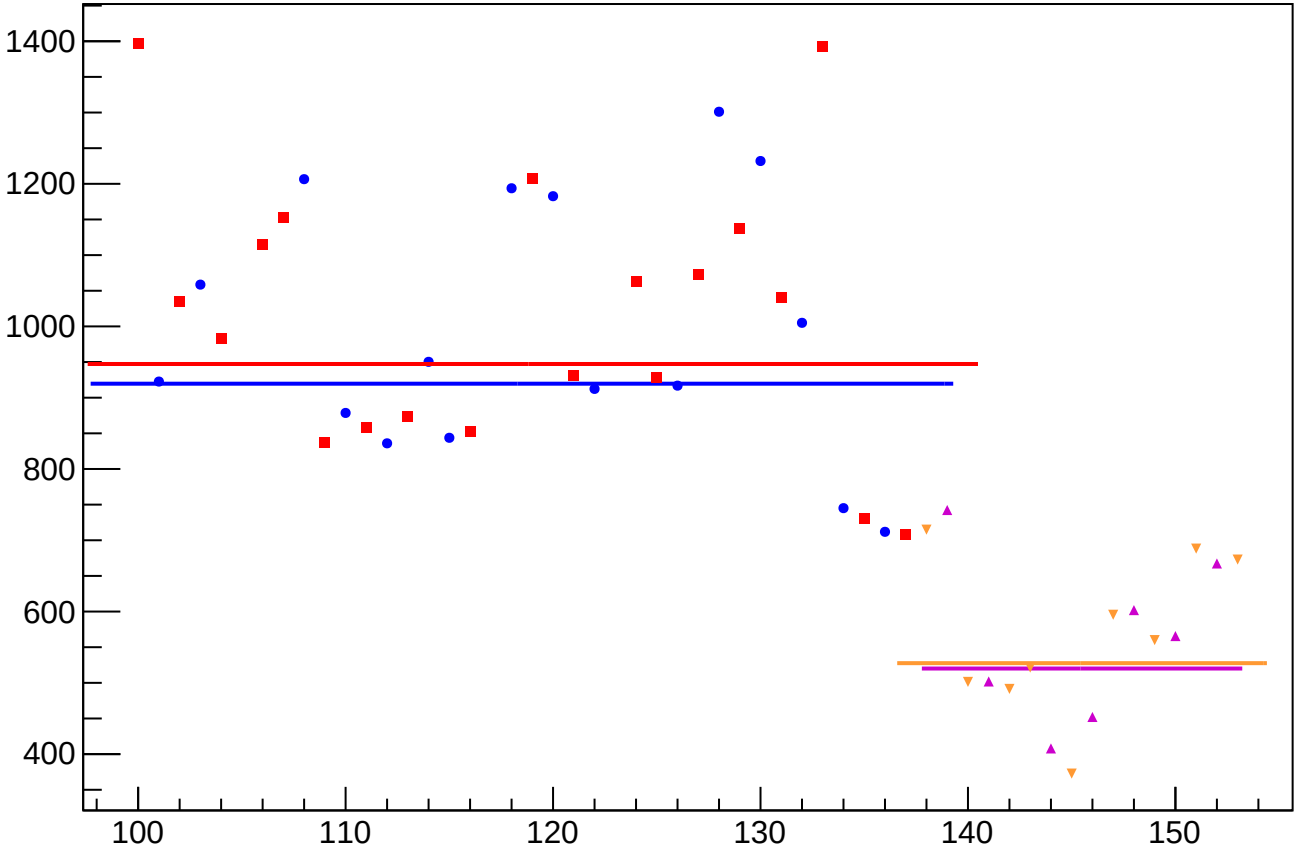
Right: 131.102+/-248.419 χ^2/NDF: 37.5/34

In: 44.572+/-183.395 χ^2/NDF:28.2/22

Out: -463.192+/-176.630 χ^2/NDF:48.0/27

All: -218.848+/-127.221 χ^2/NDF: 80.2/50

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: 527.617+/-0.144 χ^2/NDF:587969.9/8

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

Left In: 520.084+/-0.152 χ^2/NDF:451599.4/6

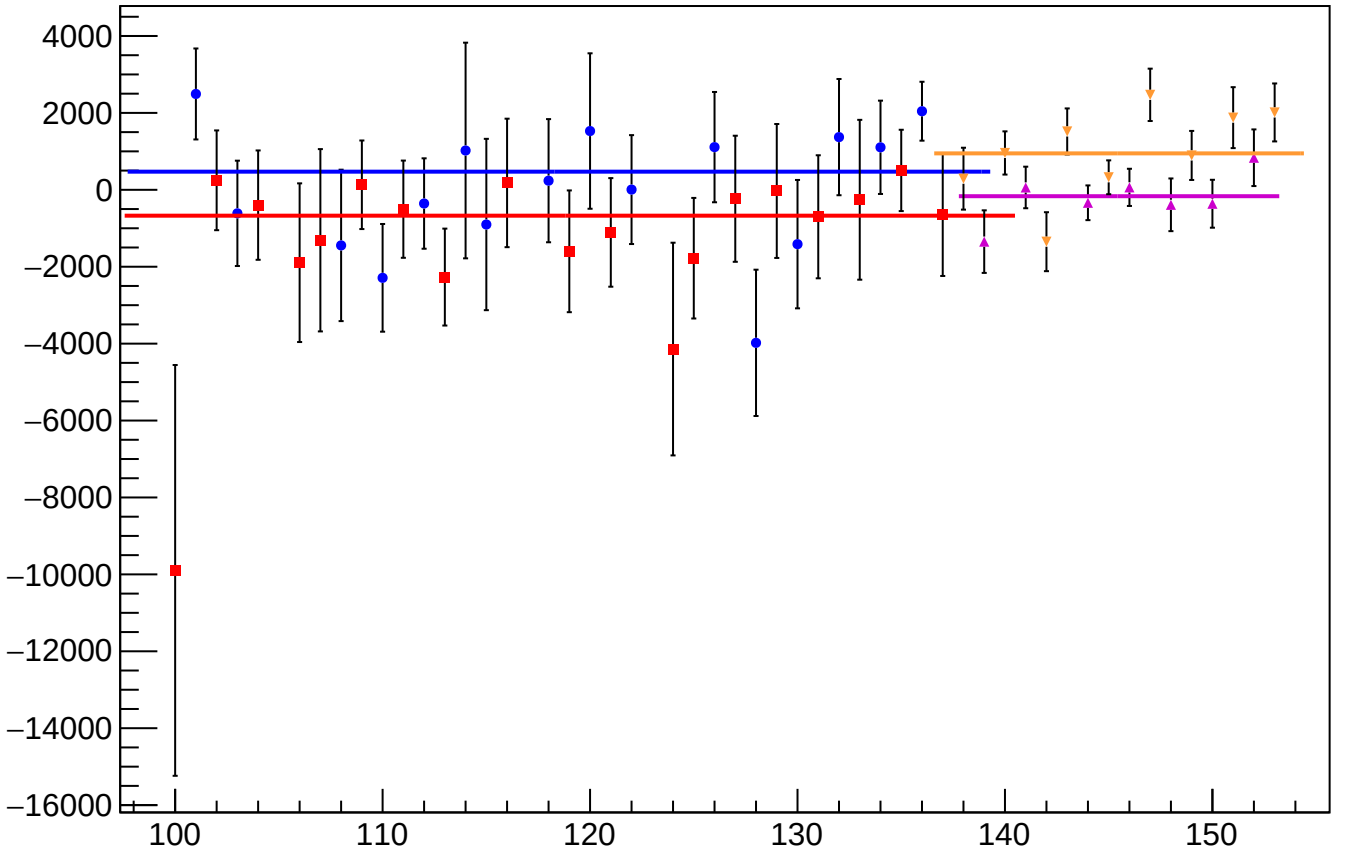
Left: 524.052+/-0.105 χ^2/NDF: 1040859.1/15

Right: 933.355+/-0.176 χ^2/NDF: 947195.7/34

In: 629.739+/-0.130 χ^2/NDF:2857333.2/22

Out: 632.940+/-0.125 χ^2/NDF:3135839.7/27

All: 631.400+/-0.090 χ^2/NDF: 5993489.0/50



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 947.583+/-211.605 χ^2/NDF:20.9/8

Right Out: -672.537+/-354.512 χ^2/NDF: 10.3/18

Left In: -166.007+/-219.960 χ^2/NDF:4.7/6

Left: 412.339+/-152.496 χ^2/NDF: 38.9/15

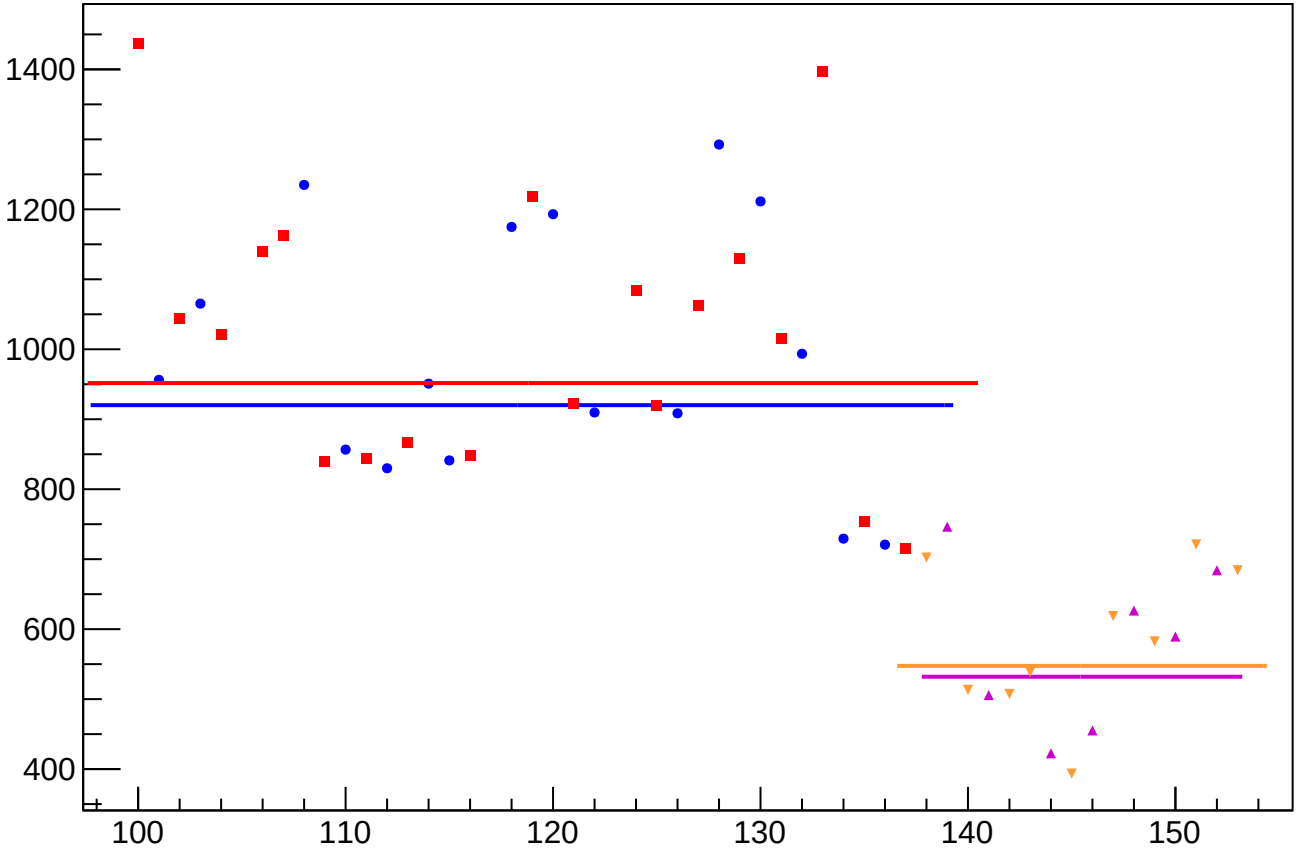
Right: -93.545+/-249.203 χ^2/NDF: 37.1/34

In: 14.360+/-186.292 χ^2/NDF:28.6/22

Out: 521.996+/-181.699 χ^2/NDF:46.6/27

All: 274.514+/-130.074 χ^2/NDF: 79.0/50

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 547.503+/-0.150 χ^2/NDF:521521.3/8

Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 531.991+/-0.156 χ^2/NDF:452076.7/6

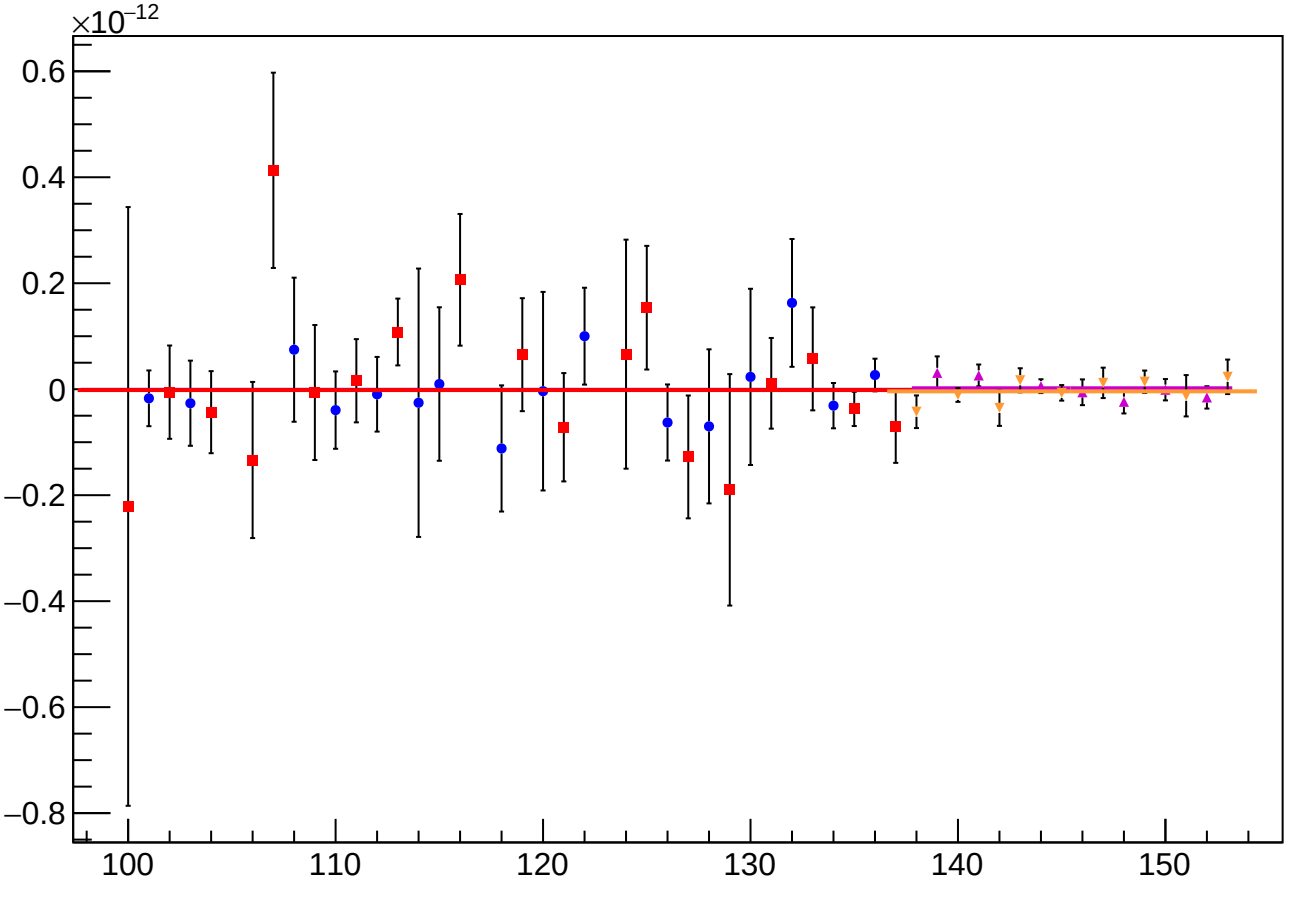
Left: 540.047+/-0.108 χ^2/NDF: 978763.9/15

Right: 935.740+/-0.176 χ^2/NDF: 932834.0/34

In: 641.716+/-0.132 χ^2/NDF:2721223.3/22

Out: 653.688+/-0.128 χ^2/NDF:2854808.2/27

All: 647.851+/-0.092 χ^2/NDF: 5580264.7/50



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:5.4/8

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:4.5/6

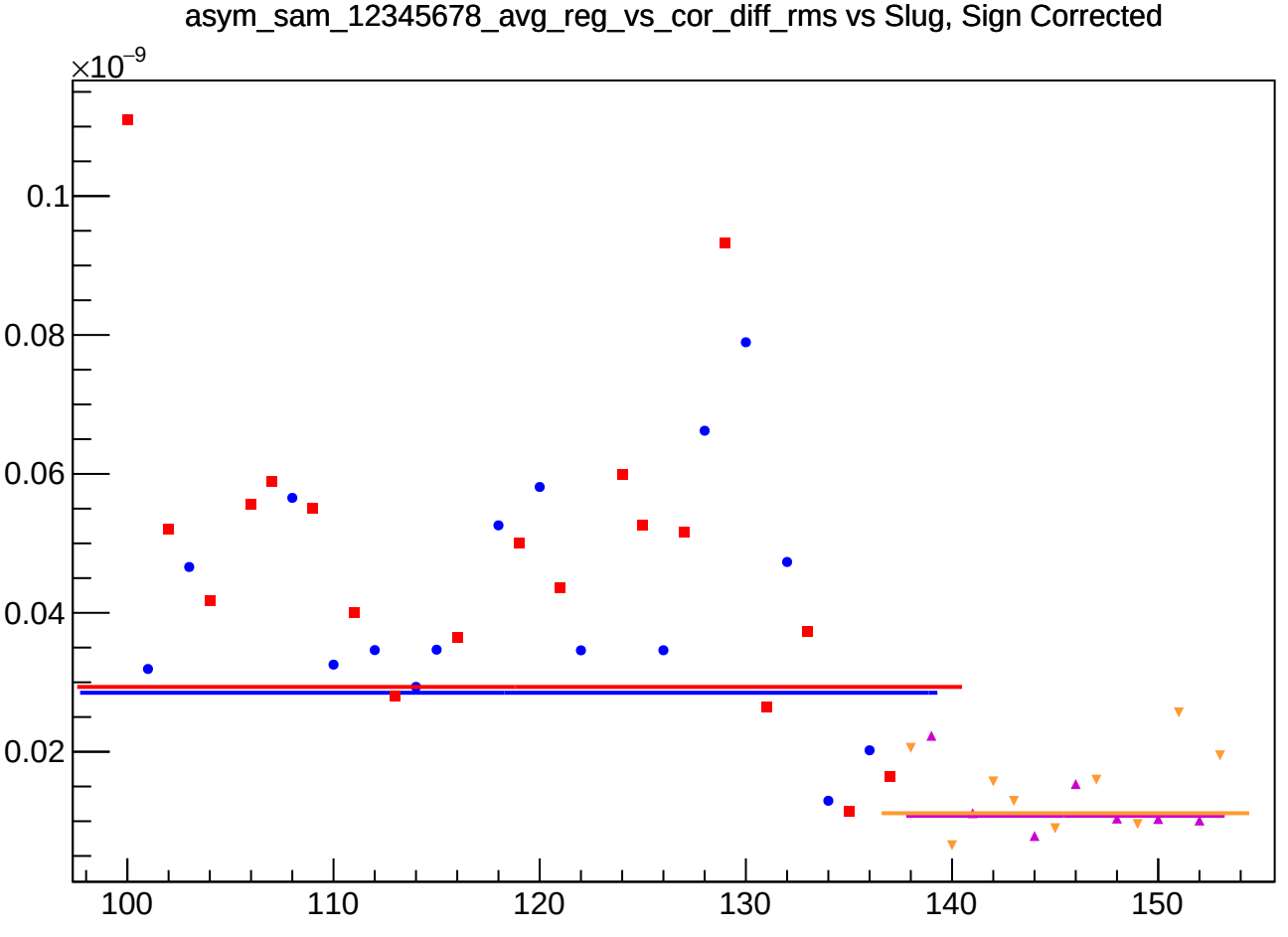
Left: -0.000+/-0.000 χ^2/NDF: 10.1/15

Right: -0.000+/-0.000 χ^2/NDF: 26.5/34

In: 0.000+/-0.000 χ^2/NDF:11.5/22

Out: -0.000+/-0.000 χ^2/NDF:24.8/27

All: -0.000+/-0.000 χ^2/NDF: 36.6/50



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1002482.1/8

Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:449123.9/6

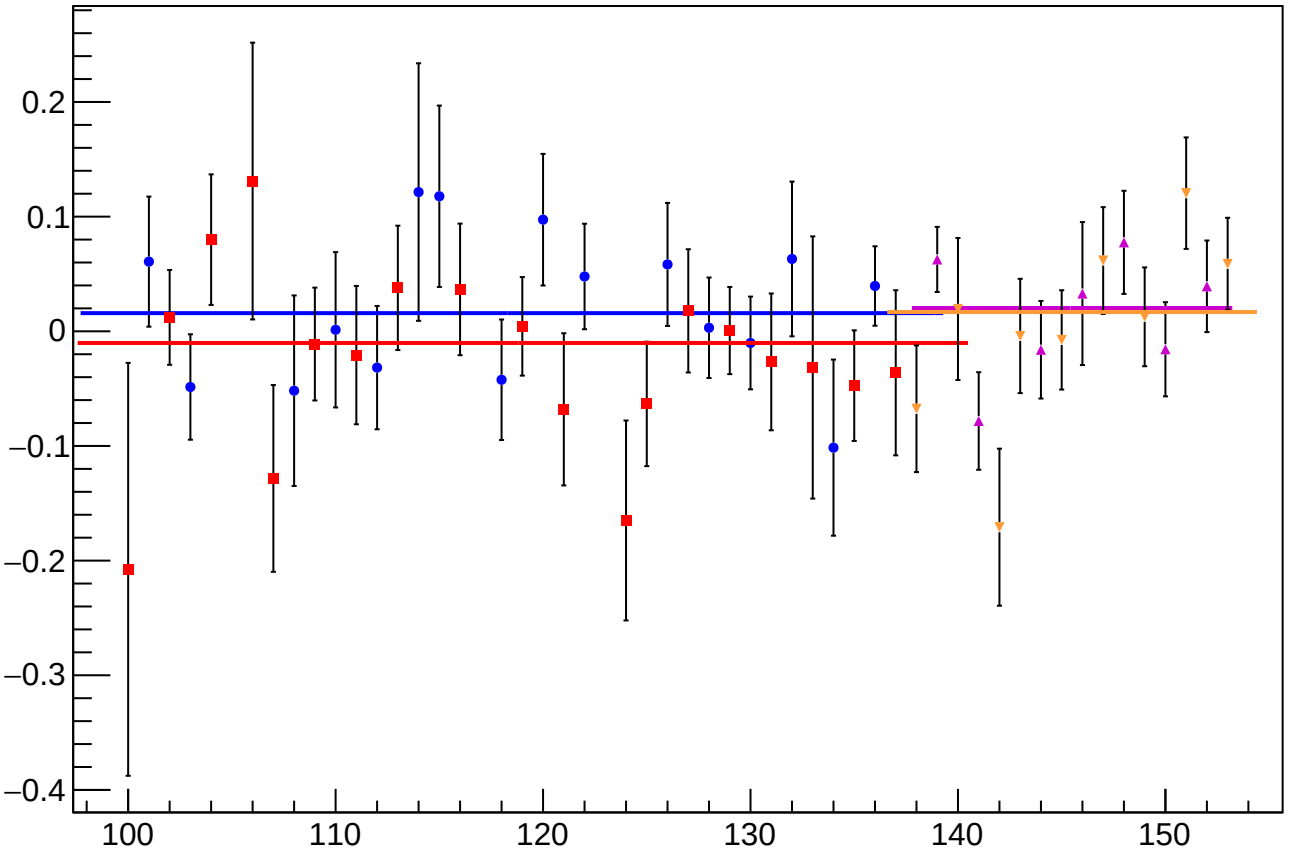
Left: 0.000+/-0.000 χ^2/NDF: 1454093.0/15

Right: 0.000+/-0.000 χ^2/NDF: 2800314.7/34

In: 0.000+/-0.000 χ^2/NDF:3296395.8/22

Out: 0.000+/-0.000 χ^2/NDF:4213572.6/27

All: 0.000+/-0.000 χ^2/NDF: 7510251.6/50



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.017+/-0.016 χ^2/NDF:16.9/8

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.020+/-0.015 χ^2/NDF:11.0/6

Left: 0.019+/-0.011 χ^2/NDF: 27.9/15

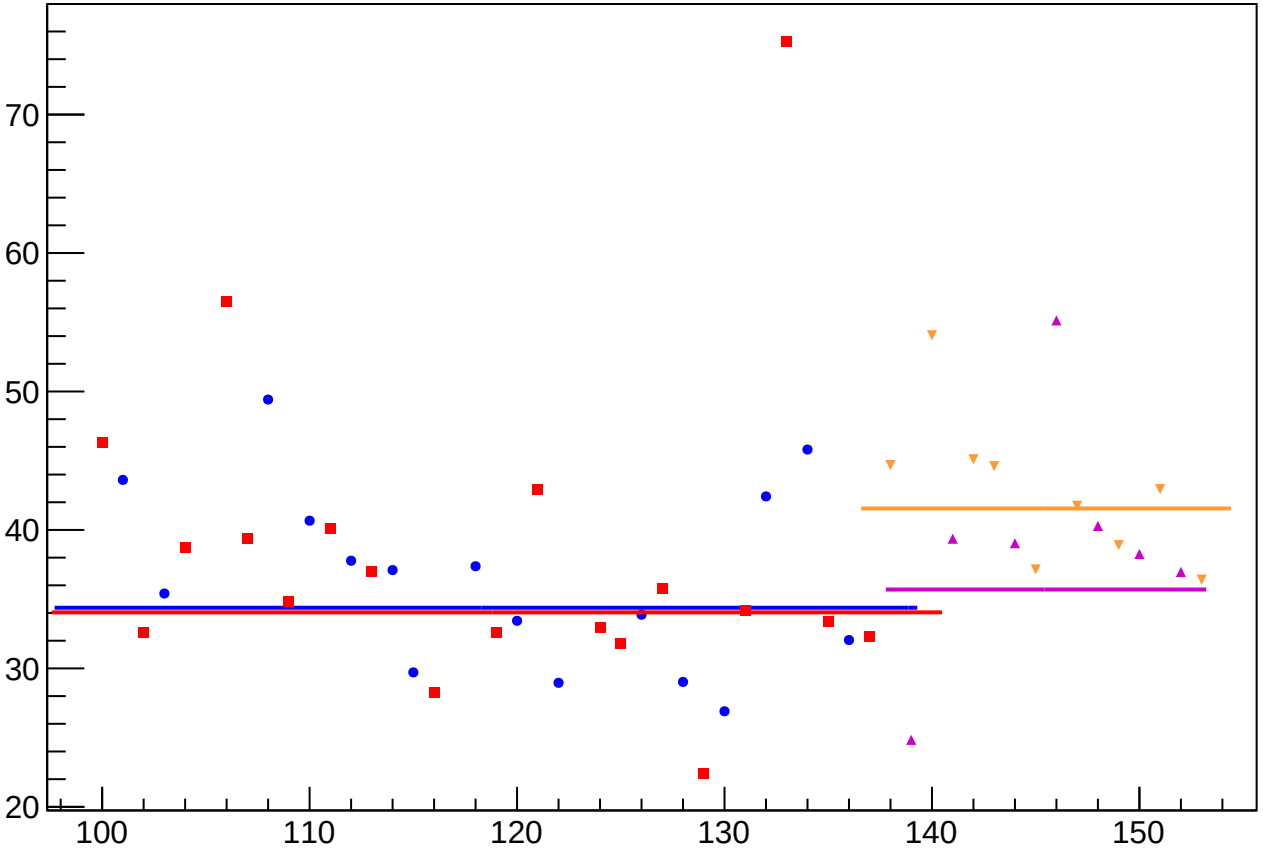
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.018+/-0.010 χ^2/NDF:25.8/22

Out: 0.001+/-0.010 χ^2/NDF:33.7/27

All: 0.009+/-0.007 χ^2/NDF: 60.9/50

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 41.551+/-0.012 χ^2/NDF:163539.0/8

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 35.698+/-0.011 χ^2/NDF:544427.8/6

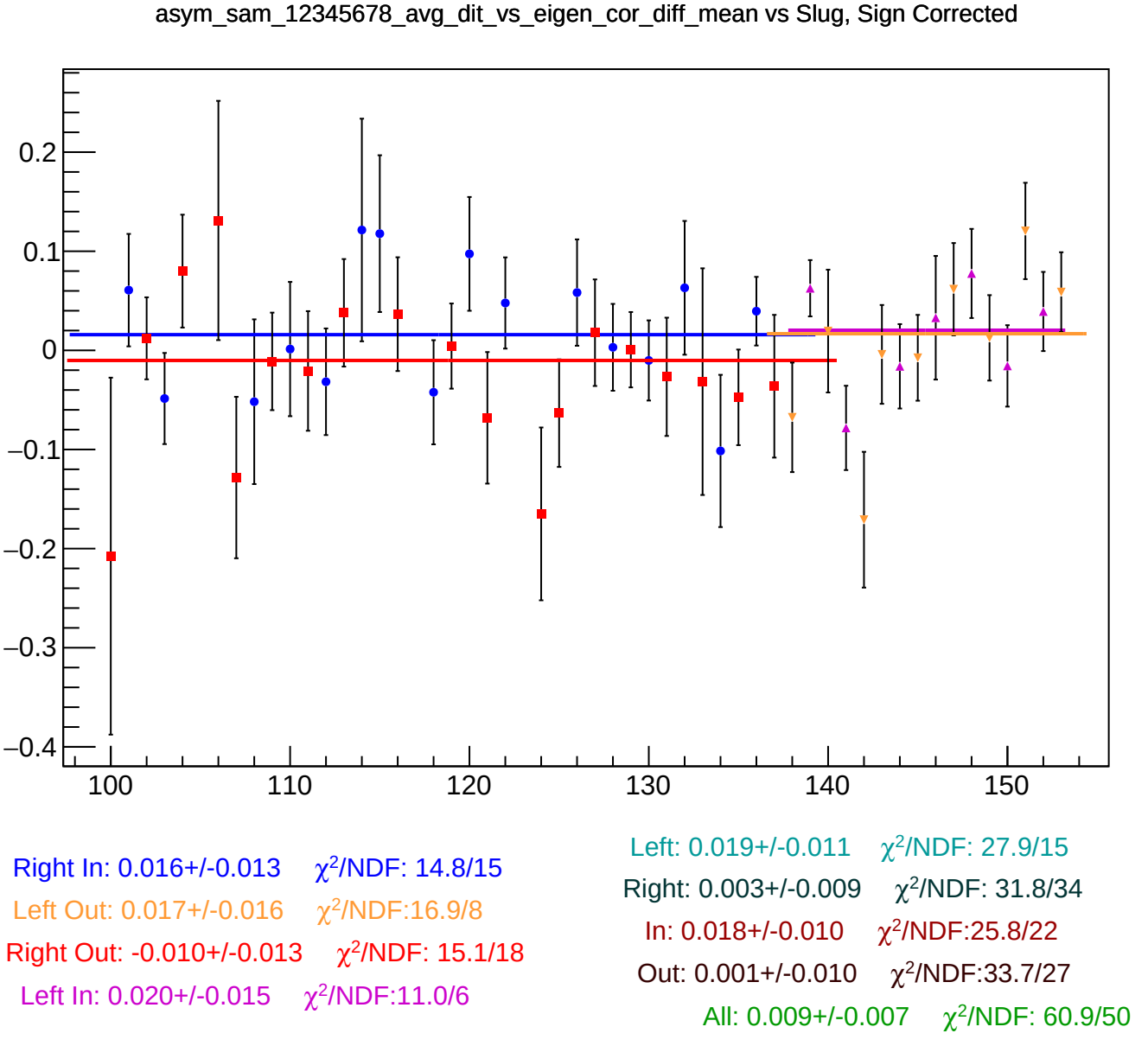
Left: 38.430+/-0.008 χ^2/NDF: 846037.9/15

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

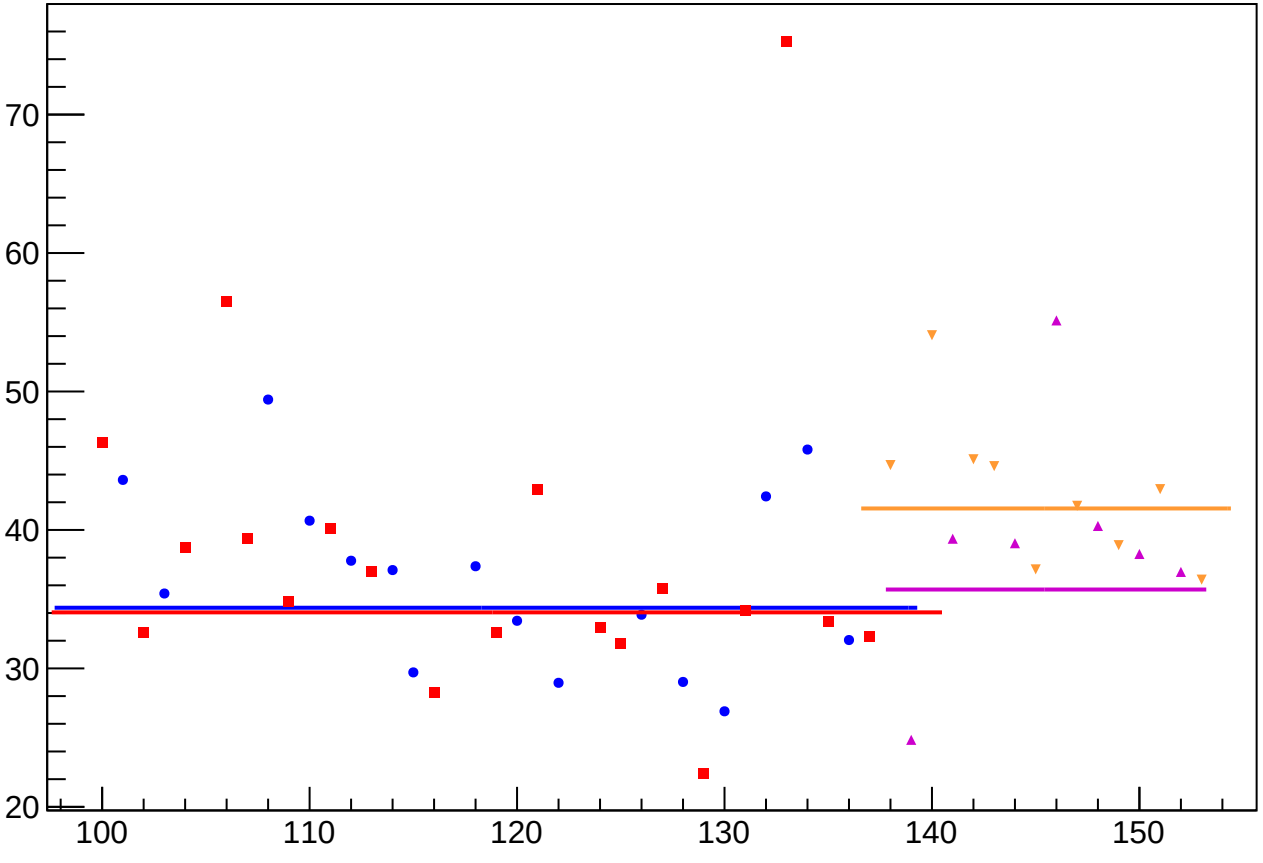
In: 34.956+/-0.007 χ^2/NDF:920732.7/22

Out: 37.028+/-0.007 χ^2/NDF:1062726.5/27

All: 35.972+/-0.005 χ^2/NDF: 2025102.4/50


asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
110
120
130
140
150
Right In: 0.016+/-0.013 χ²/NDF: 14.8/15
Left Out: 0.017+/-0.016 χ²/NDF:16.9/8
Right Out: -0.010+/-0.013 χ²/NDF: 15.1/18
Left In: 0.020+/-0.015 χ²/NDF:11.0/6
Left: 0.019+/-0.011 χ²/NDF: 27.9/15
Right: 0.003+/-0.009 χ²/NDF: 31.8/34
In: 0.018+/-0.010 χ²/NDF:25.8/22
Out: 0.001+/-0.010 χ²/NDF:33.7/27
All: 0.009+/-0.007 χ²/NDF: 60.9/50

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: 41.551+/-0.012 χ^2/NDF:163539.0/8

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 35.698+/-0.011 χ^2/NDF:544427.8/6

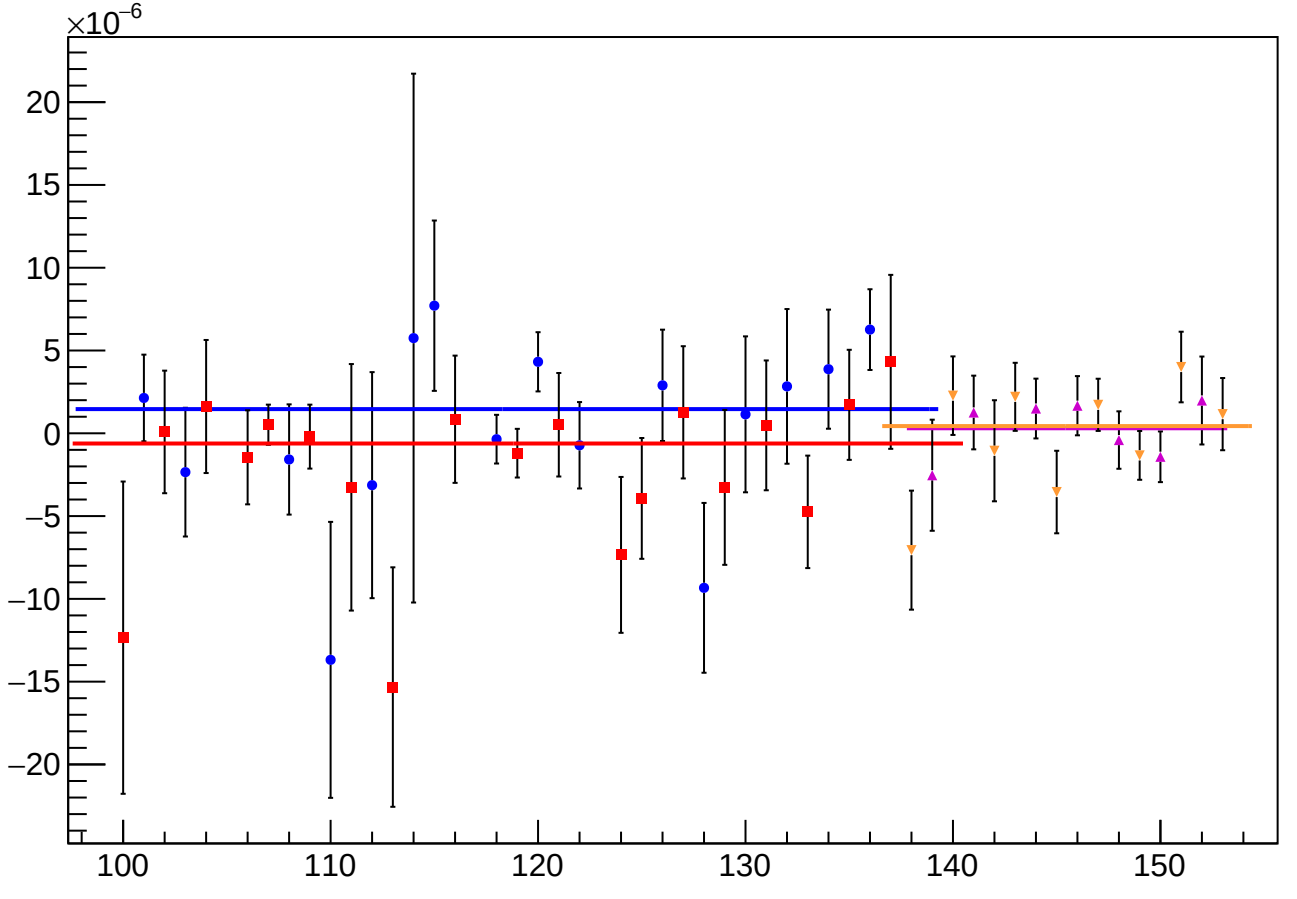
Left: 38.430+/-0.008 χ^2/NDF: 846037.9/15

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.956+/-0.007 χ^2/NDF:920732.7/22

Out: 37.028+/-0.007 χ^2/NDF:1062726.5/27

All: 35.972+/-0.005 χ^2/NDF: 2025102.4/50



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.5/8

Right Out: -0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: 0.000+/-0.000 χ^2/NDF:3.7/6

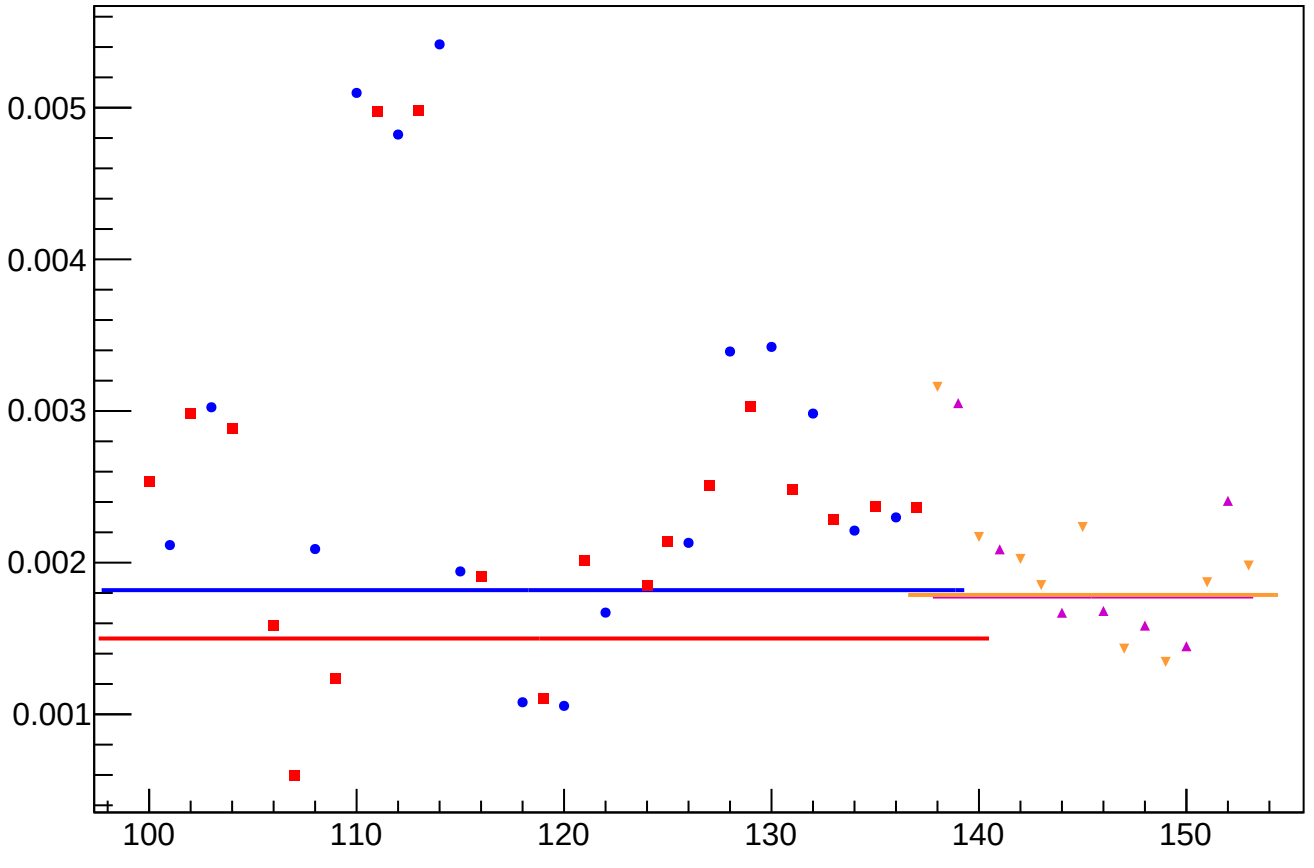
Left: 0.000+/-0.000 χ^2/NDF: 17.3/15

Right: 0.000+/-0.000 χ^2/NDF: 39.3/34

In: 0.000+/-0.000 χ^2/NDF:25.9/22

Out: -0.000+/-0.000 χ^2/NDF:28.7/27

All: 0.000+/-0.000 χ^2/NDF: 56.6/50



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:721820.9/8

Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:569751.1/6

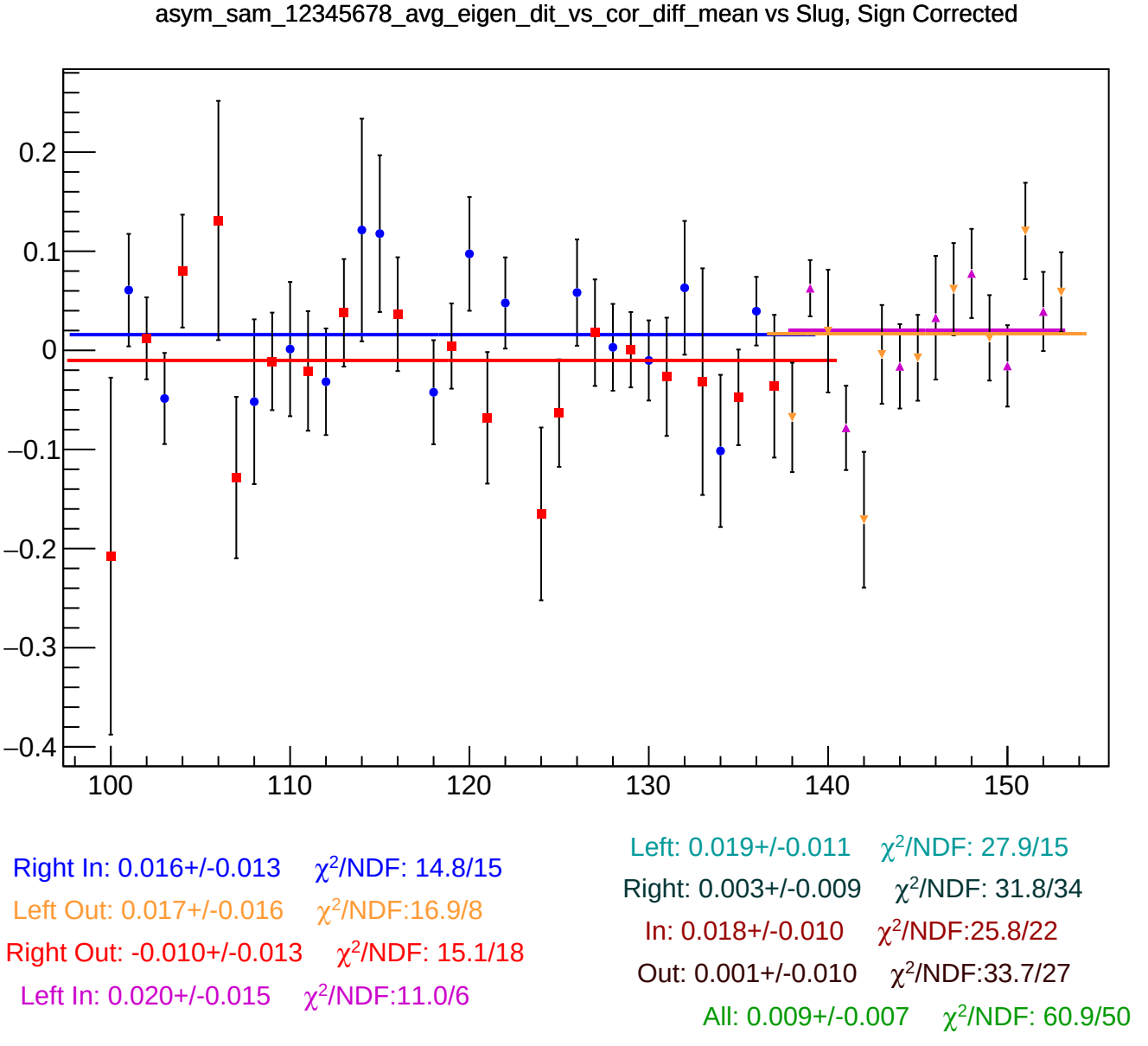
Left: 0.002+/-0.000 χ^2/NDF: 1291786.9/15

Right: 0.002+/-0.000 χ^2/NDF: 6466308.5/34

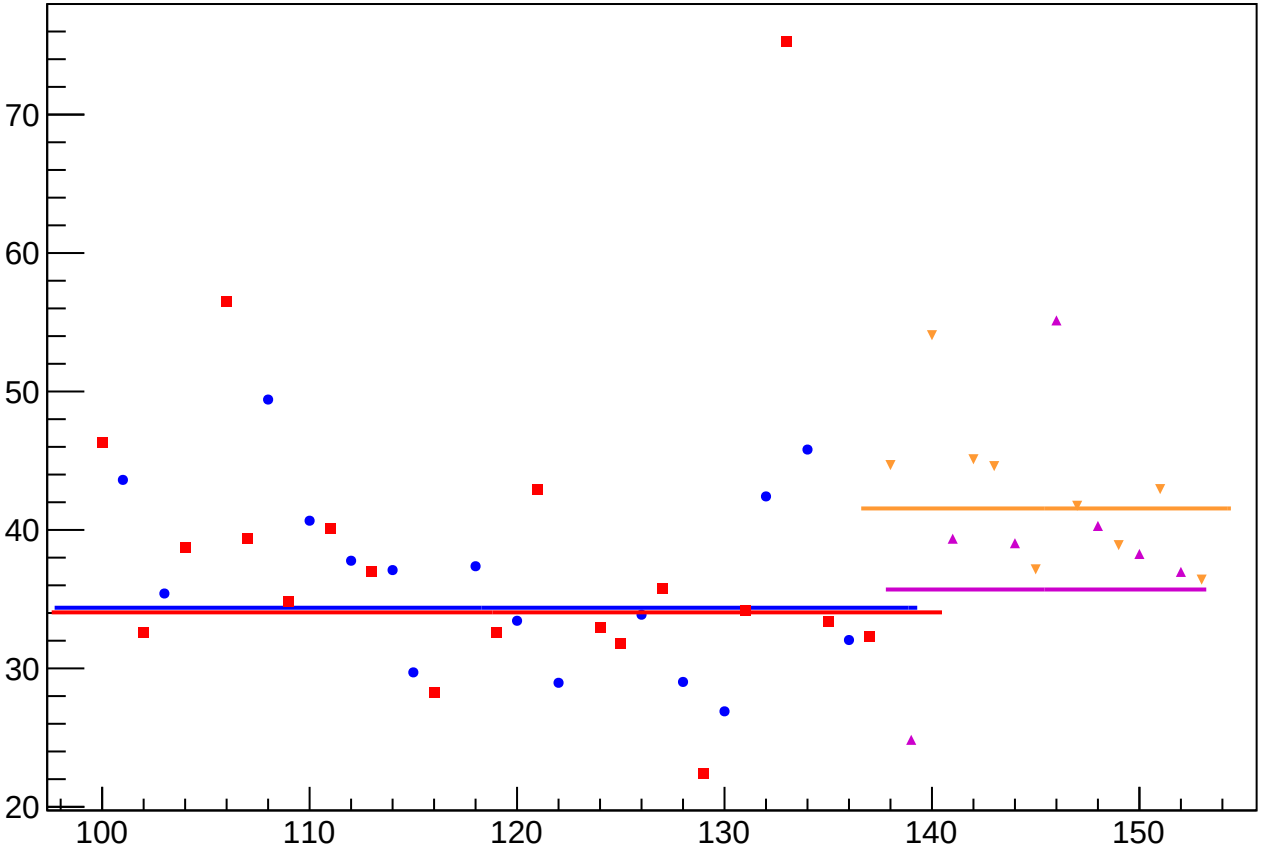
In: 0.002+/-0.000 χ^2/NDF:3143176.6/22

Out: 0.002+/-0.000 χ^2/NDF:4593768.9/27

All: 0.002+/-0.000 χ^2/NDF: 7844691.2/50


asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
110
120
130
140
150
Right In: 0.016+/-0.013 χ²/NDF: 14.8/15
Left Out: 0.017+/-0.016 χ²/NDF:16.9/8
Right Out: -0.010+/-0.013 χ²/NDF: 15.1/18
Left In: 0.020+/-0.015 χ²/NDF:11.0/6
Left: 0.019+/-0.011 χ²/NDF: 27.9/15
Right: 0.003+/-0.009 χ²/NDF: 31.8/34
In: 0.018+/-0.010 χ²/NDF:25.8/22
Out: 0.001+/-0.010 χ²/NDF:33.7/27
All: 0.009+/-0.007 χ²/NDF: 60.9/50

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 41.552+/-0.012 χ^2/NDF:163528.1/8

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 35.698+/-0.011 χ^2/NDF:544441.9/6

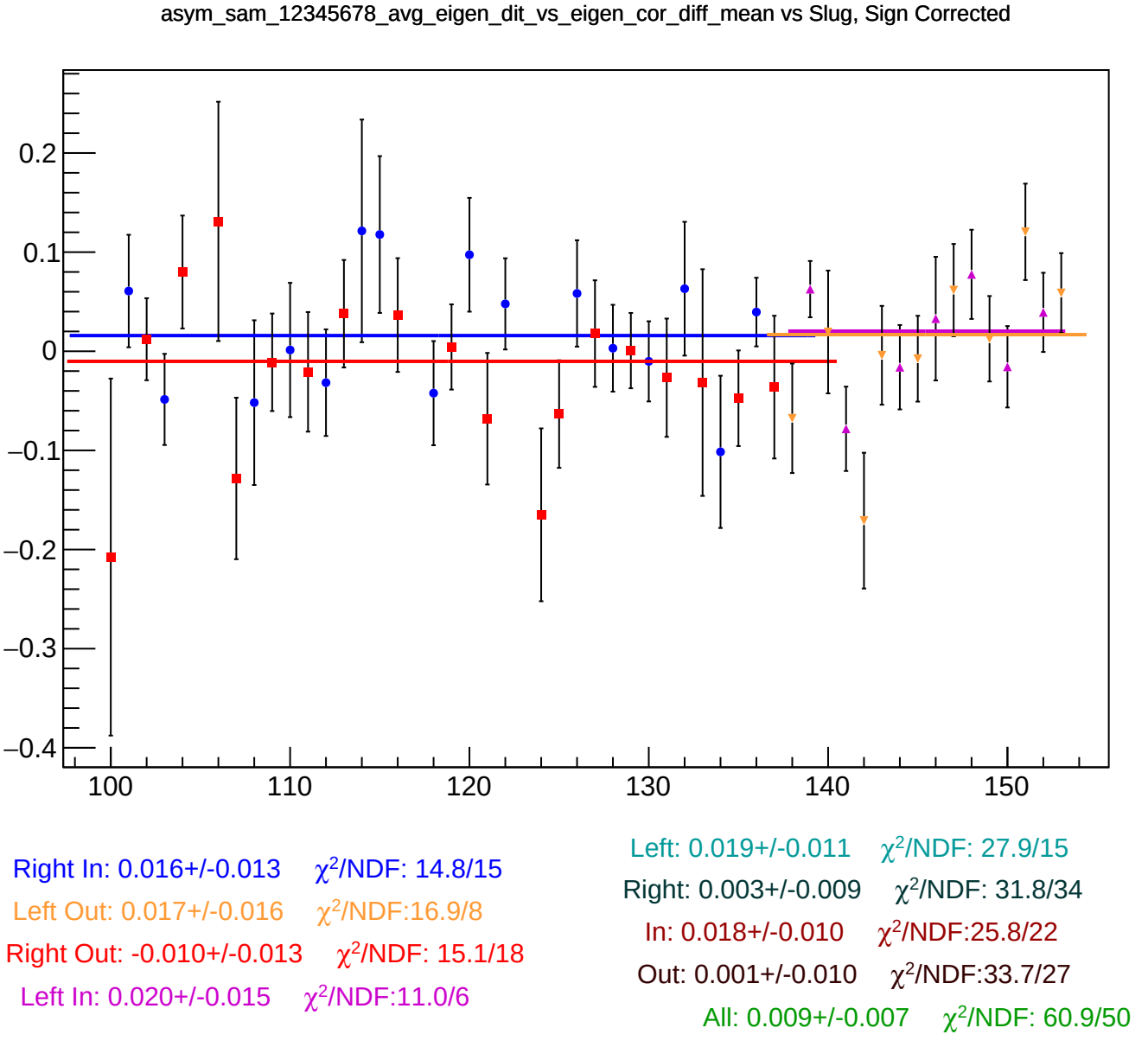
Left: 38.431+/-0.008 χ^2/NDF: 846044.0/15

Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

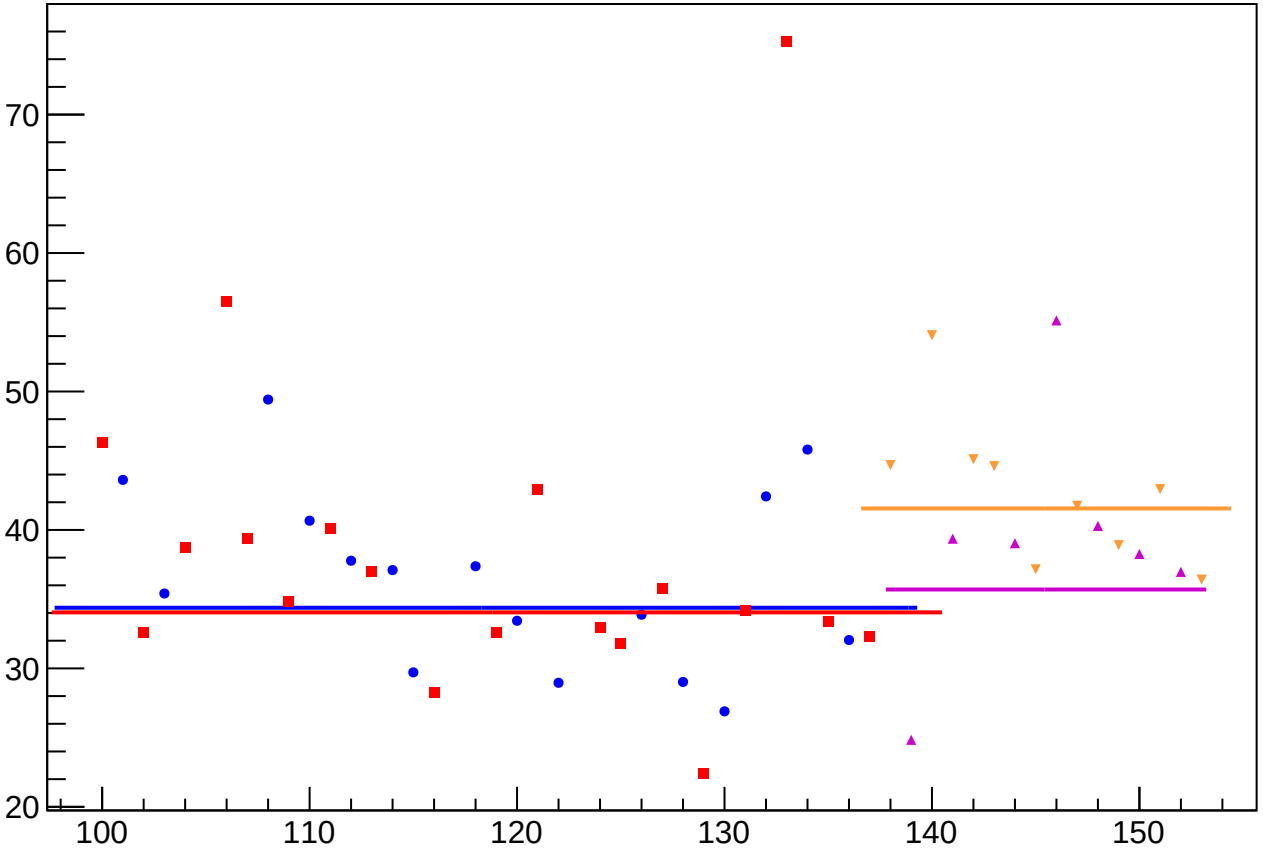
In: 34.956+/-0.007 χ^2/NDF:920819.5/22

Out: 37.028+/-0.007 χ^2/NDF:1062835.5/27

All: 35.972+/-0.005 χ^2/NDF: 2025301.4/50


asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
110
120
130
140
150
Right In: 0.016+/-0.013 χ²/NDF: 14.8/15
Left Out: 0.017+/-0.016 χ²/NDF:16.9/8
Right Out: -0.010+/-0.013 χ²/NDF: 15.1/18
Left In: 0.020+/-0.015 χ²/NDF:11.0/6
Left: 0.019+/-0.011 χ²/NDF: 27.9/15
Right: 0.003+/-0.009 χ²/NDF: 31.8/34
In: 0.018+/-0.010 χ²/NDF:25.8/22
Out: 0.001+/-0.010 χ²/NDF:33.7/27
All: 0.009+/-0.007 χ²/NDF: 60.9/50

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: 41.552+/-0.012 χ^2/NDF:163528.1/8

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 35.698+/-0.011 χ^2/NDF:544441.9/6

Left: 38.431+/-0.008 χ^2/NDF: 846044.0/15

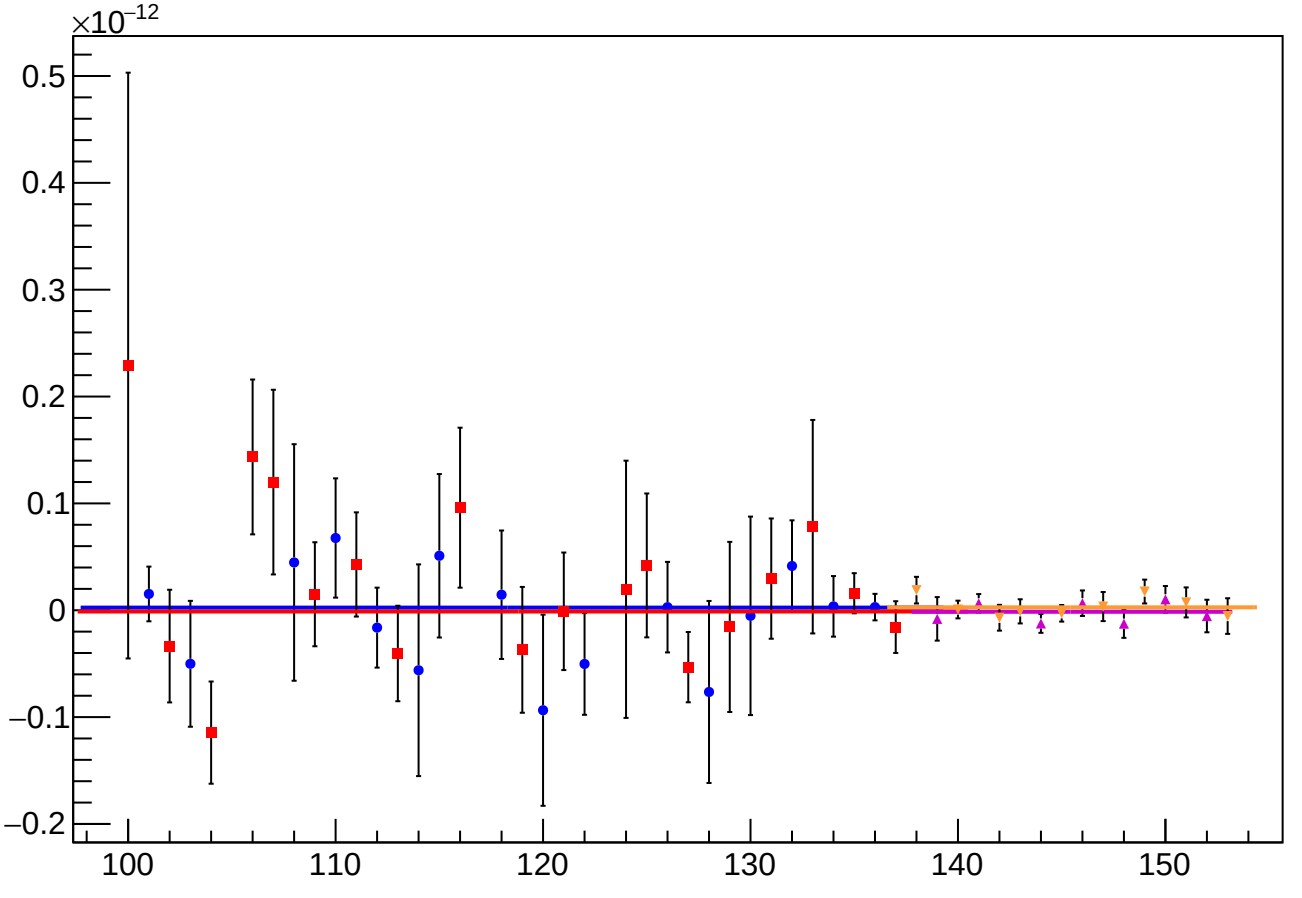
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 34.956+/-0.007 χ^2/NDF:920819.5/22

Out: 37.028+/-0.007 χ^2/NDF:1062835.5/27

All: 35.972+/-0.005 χ^2/NDF: 2025301.4/50

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:5.1/8

Right Out: -0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: -0.000+/-0.000 χ^2/NDF:4.6/6

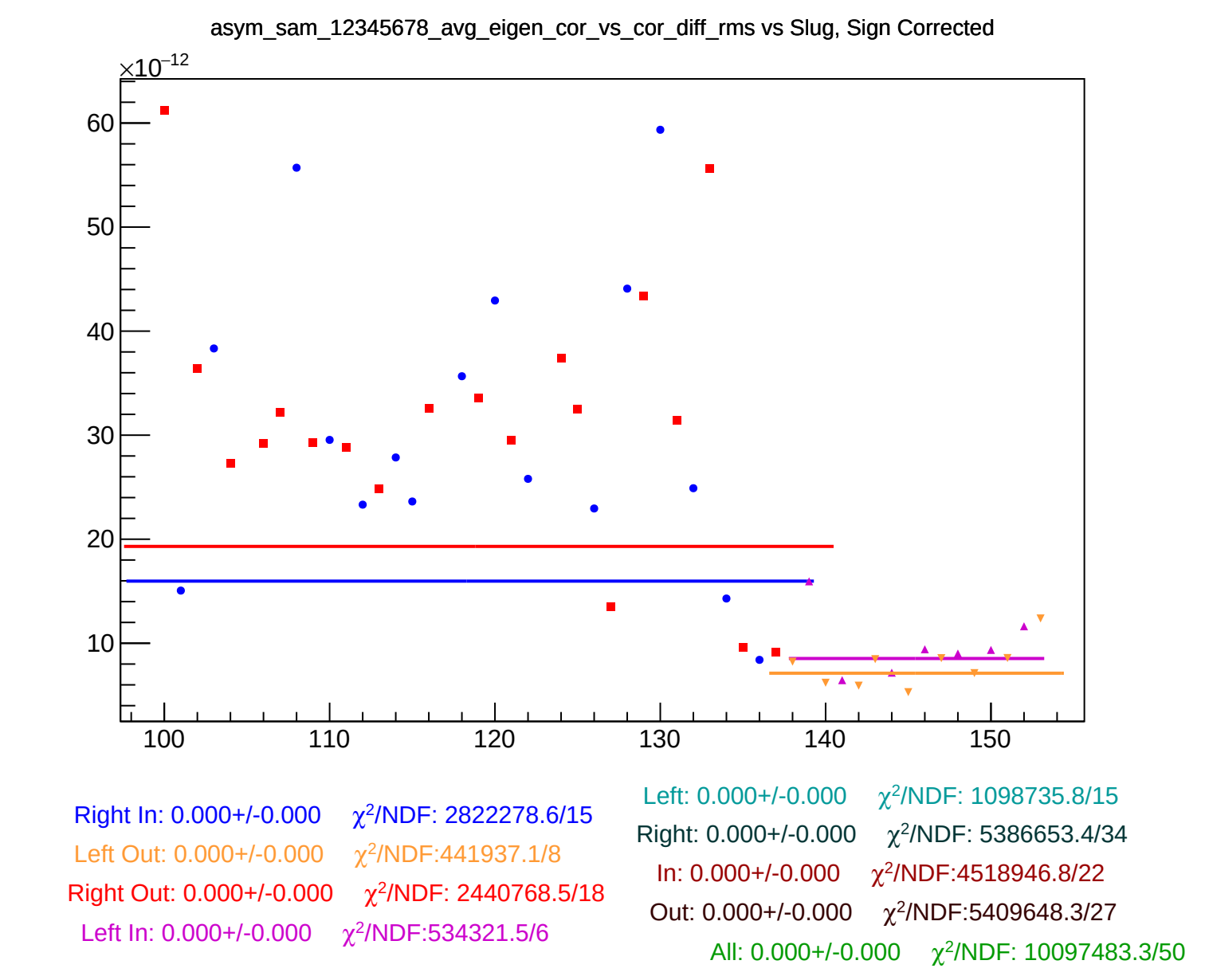
Left: 0.000+/-0.000 χ^2/NDF: 10.2/15

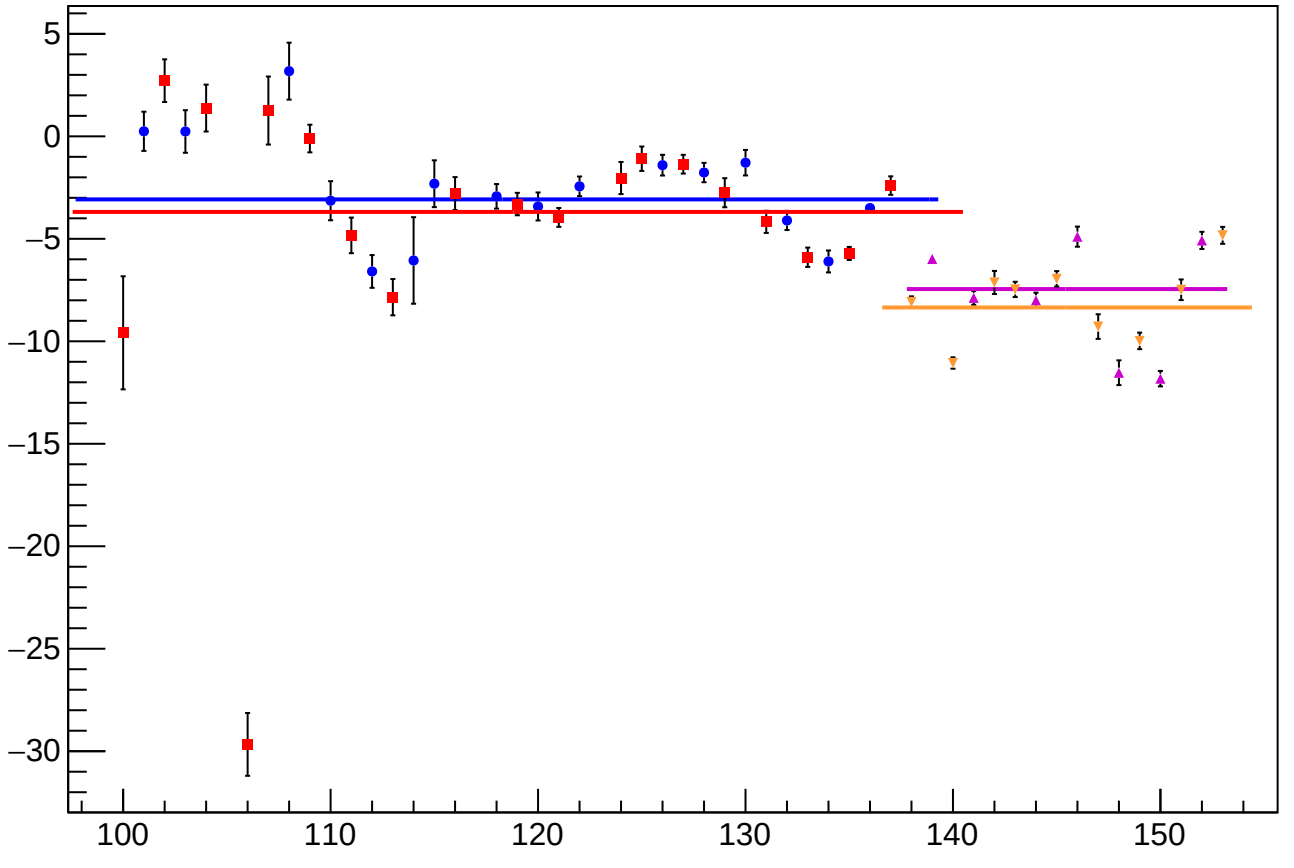
Right: 0.000+/-0.000 χ^2/NDF: 29.3/34

In: -0.000+/-0.000 χ^2/NDF:12.4/22

Out: 0.000+/-0.000 χ^2/NDF:26.7/27

All: 0.000+/-0.000 χ^2/NDF: 39.5/50


asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
Right In: 0.000+/-0.000 χ²/NDF: 2822278.6/15
Left Out: 0.000+/-0.000 χ²/NDF:441937.1/8
Right Out: 0.000+/-0.000 χ²/NDF: 2440768.5/18
Left In: 0.000+/-0.000 χ²/NDF:534321.5/6
Left: 0.000+/-0.000 χ²/NDF: 1098735.8/15
Right: 0.000+/-0.000 χ²/NDF: 5386653.4/34
In: 0.000+/-0.000 χ²/NDF:4518946.8/22
Out: 0.000+/-0.000 χ²/NDF:5409648.3/27
All: 0.000+/-0.000 χ²/NDF: 10097483.3/50



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -8.350+/-0.126 χ^2/NDF:214.6/8

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

Left In: -7.451+/-0.138 χ^2/NDF:280.8/6

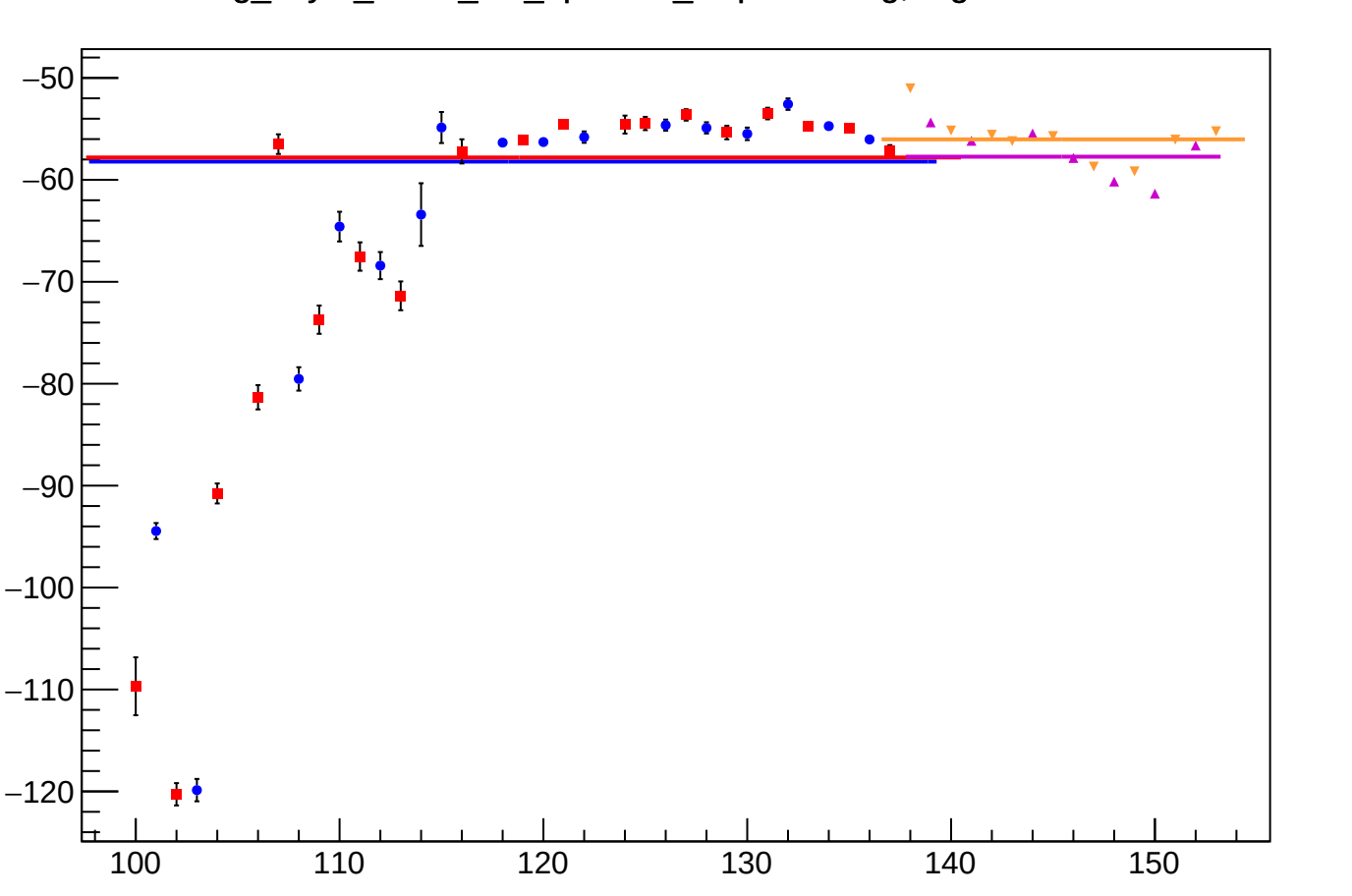
Left: -7.939+/-0.093 χ^2/NDF: 518.5/15

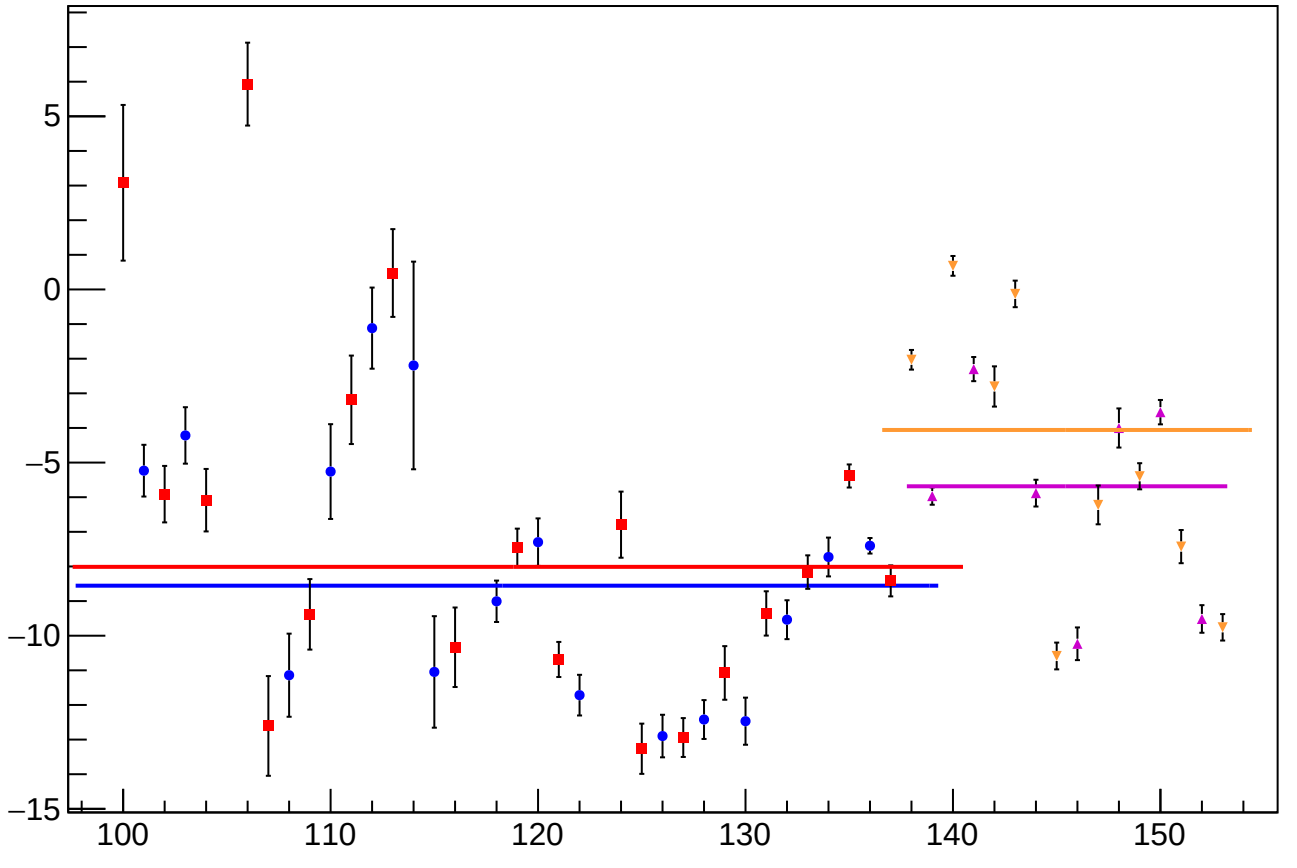
Right: -3.371+/-0.097 χ^2/NDF: 678.4/34

In: -5.225+/-0.096 χ^2/NDF:928.5/22

Out: -6.260+/-0.094 χ^2/NDF:1359.7/27

All: -5.757+/-0.067 χ^2/NDF: 2347.3/50


reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected
−50
−60
−70
−80
−90
−100
−110
−120
100
110
120
130
140
150
Right In: -58.204+/-0.136 χ²/NDF: 6126.9/15
Left Out: -56.023+/-0.095 χ²/NDF:516.3/8
Right Out: -57.804+/-0.138 χ²/NDF: 5792.7/18
Left In: -57.726+/-0.109 χ²/NDF:452.3/6
Left: -56.757+/-0.072 χ²/NDF: 1107.4/15
Right: -58.008+/-0.097 χ²/NDF: 11923.9/34
In: -57.914+/-0.085 χ²/NDF:6586.8/22
Out: -56.592+/-0.078 χ²/NDF:6421.5/27
All: -57.198+/-0.058 χ²/NDF: 13139.3/50



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -4.058+/-0.126 χ^2/NDF:1020.7/8

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

Left In: -5.685+/-0.138 χ^2/NDF:326.8/6

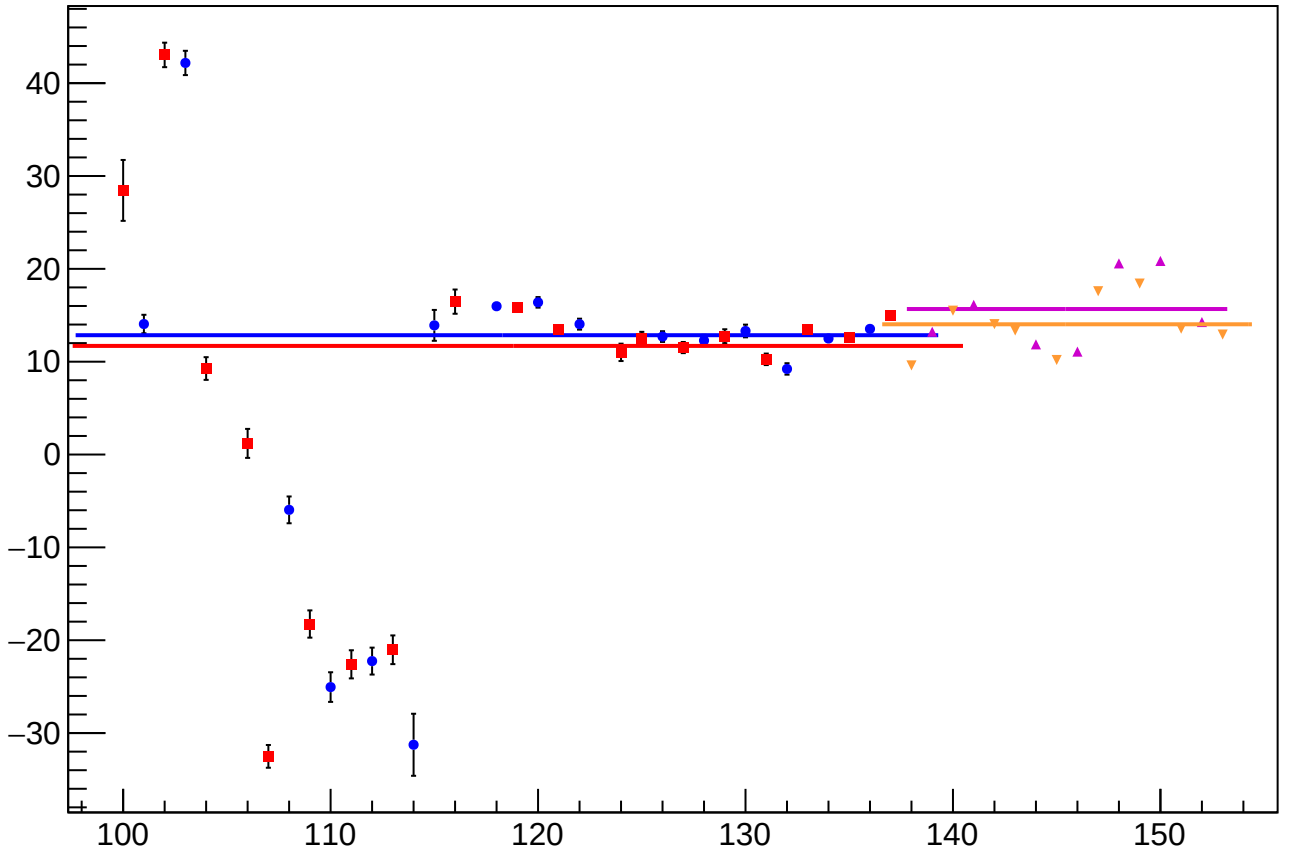
Left: -4.803+/-0.093 χ^2/NDF: 1423.3/15

Right: -8.298+/-0.105 χ^2/NDF: 796.7/34

In: -7.047+/-0.100 χ^2/NDF:834.3/22

Out: -5.663+/-0.097 χ^2/NDF:1906.9/27

All: -6.339+/-0.070 χ^2/NDF: 2839.6/50



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 14.029+/-0.113 χ^2/NDF:611.0/8

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

Left In: 15.673+/-0.129 χ^2/NDF:800.3/6

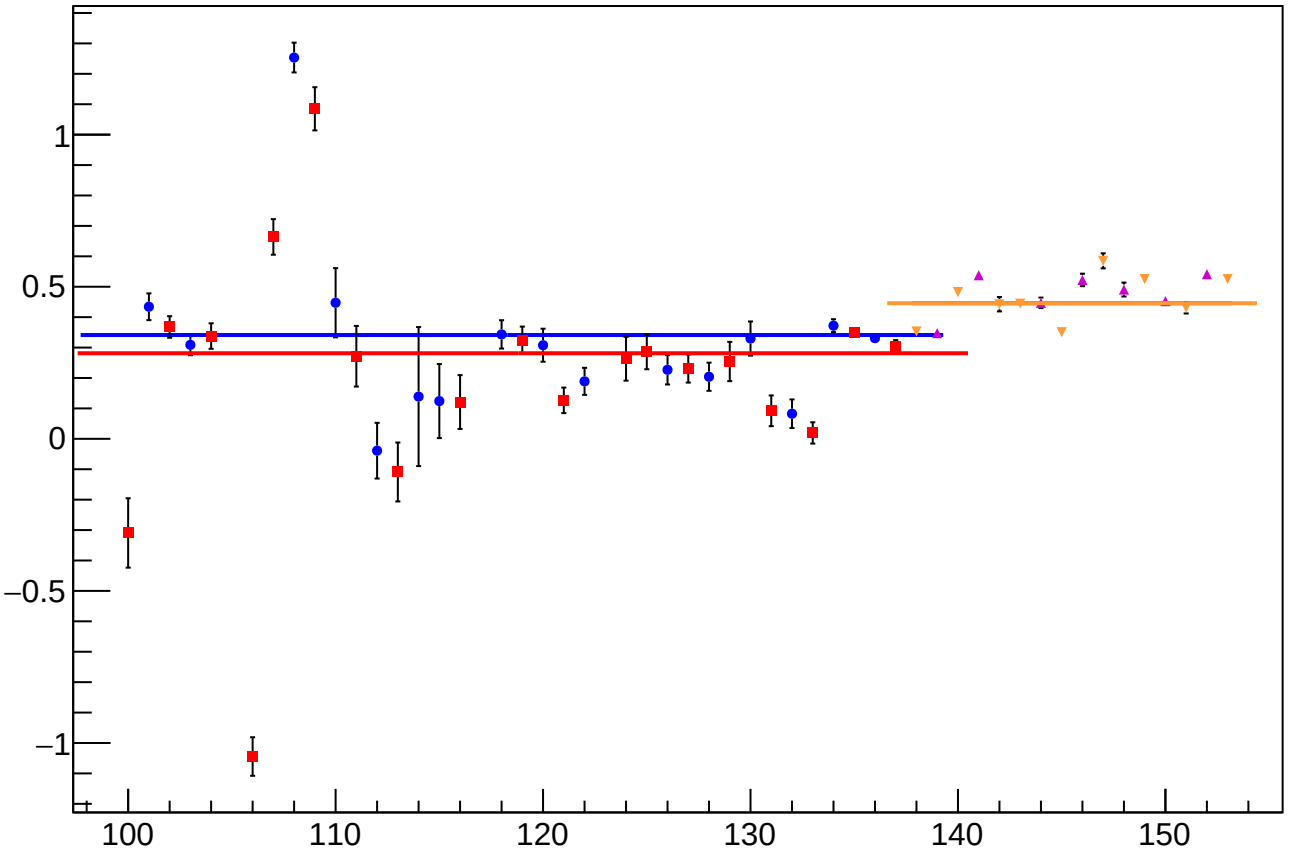
Left: 14.745+/-0.085 χ^2/NDF: 1503.7/15

Right: 12.294+/-0.108 χ^2/NDF: 5655.7/34

In: 14.482+/-0.098 χ^2/NDF:3132.0/22

Out: 13.222+/-0.091 χ^2/NDF:4257.4/27

All: 13.809+/-0.067 χ^2/NDF: 7478.1/50



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.446+/-0.005 χ^2/NDF:212.9/8

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

Left In: 0.446+/-0.005 χ^2/NDF:226.6/6

Left: 0.446+/-0.004 χ^2/NDF: 439.4/15

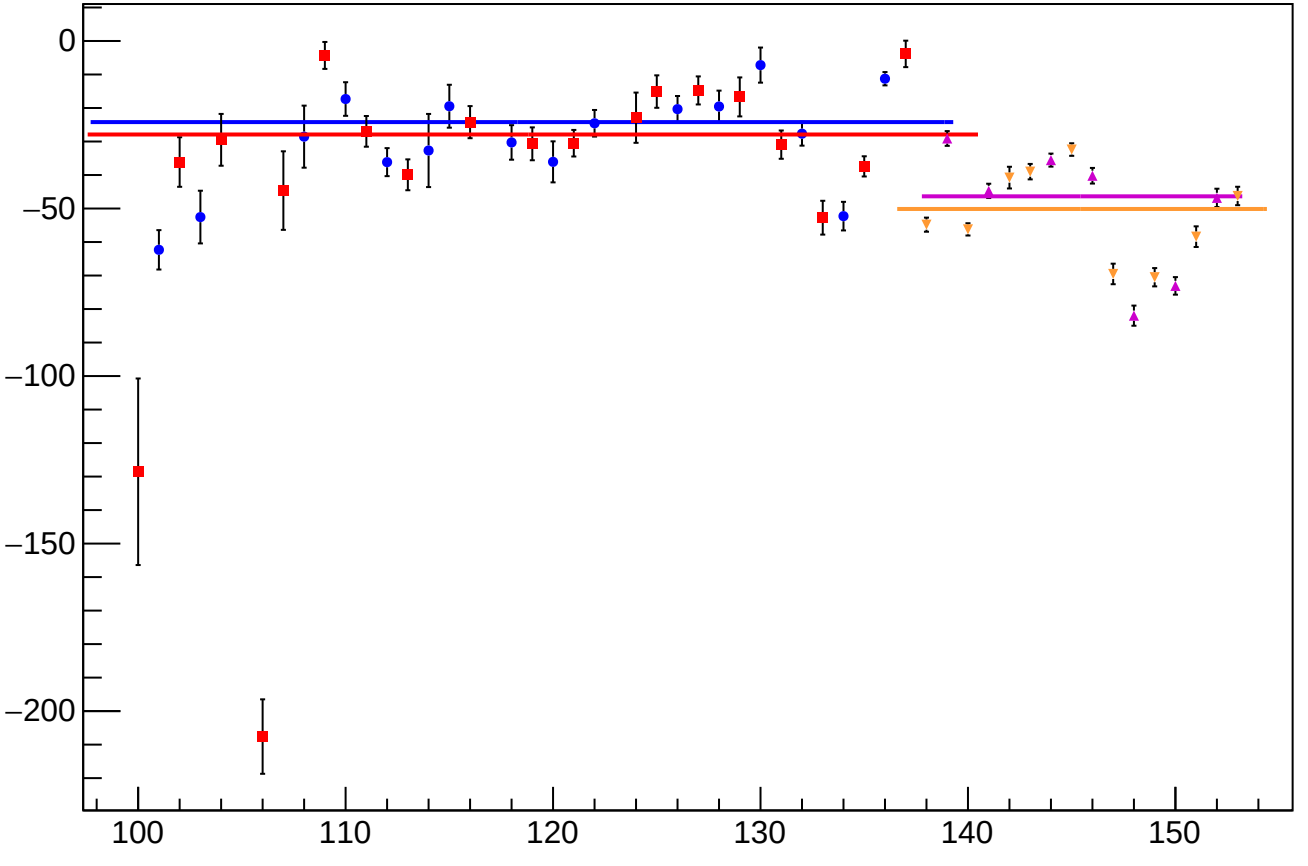
Right: 0.313+/-0.006 χ^2/NDF: 1239.2/34

In: 0.413+/-0.004 χ^2/NDF:782.2/22

Out: 0.402+/-0.004 χ^2/NDF:1267.8/27

All: 0.408+/-0.003 χ^2/NDF: 2052.8/50

reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -50.134+/-0.799 χ^2/NDF:241.8/8

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

Left In: -46.360+/-0.889 χ^2/NDF:344.5/6

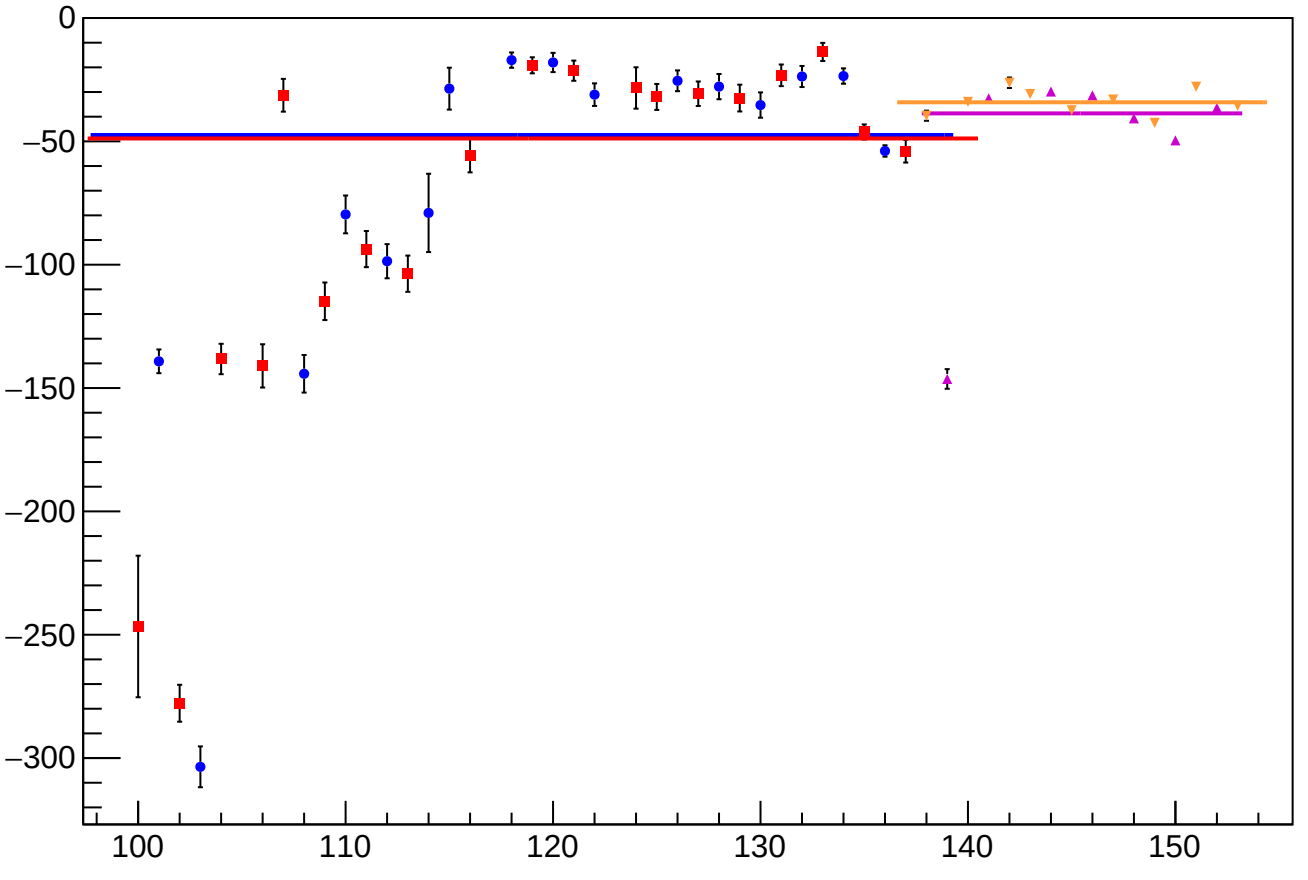
Left: -48.449+/-0.594 χ^2/NDF: 596.3/15

Right: -25.971+/-0.785 χ^2/NDF: 589.7/34

In: -37.472+/-0.688 χ^2/NDF:764.3/22

Out: -42.791+/-0.654 χ^2/NDF:911.1/27

All: -40.269+/-0.474 χ^2/NDF: 1706.9/50



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -34.162+/-0.563 χ^2/NDF:67.8/8

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

Left In: -38.663+/-0.620 χ^2/NDF:853.7/6

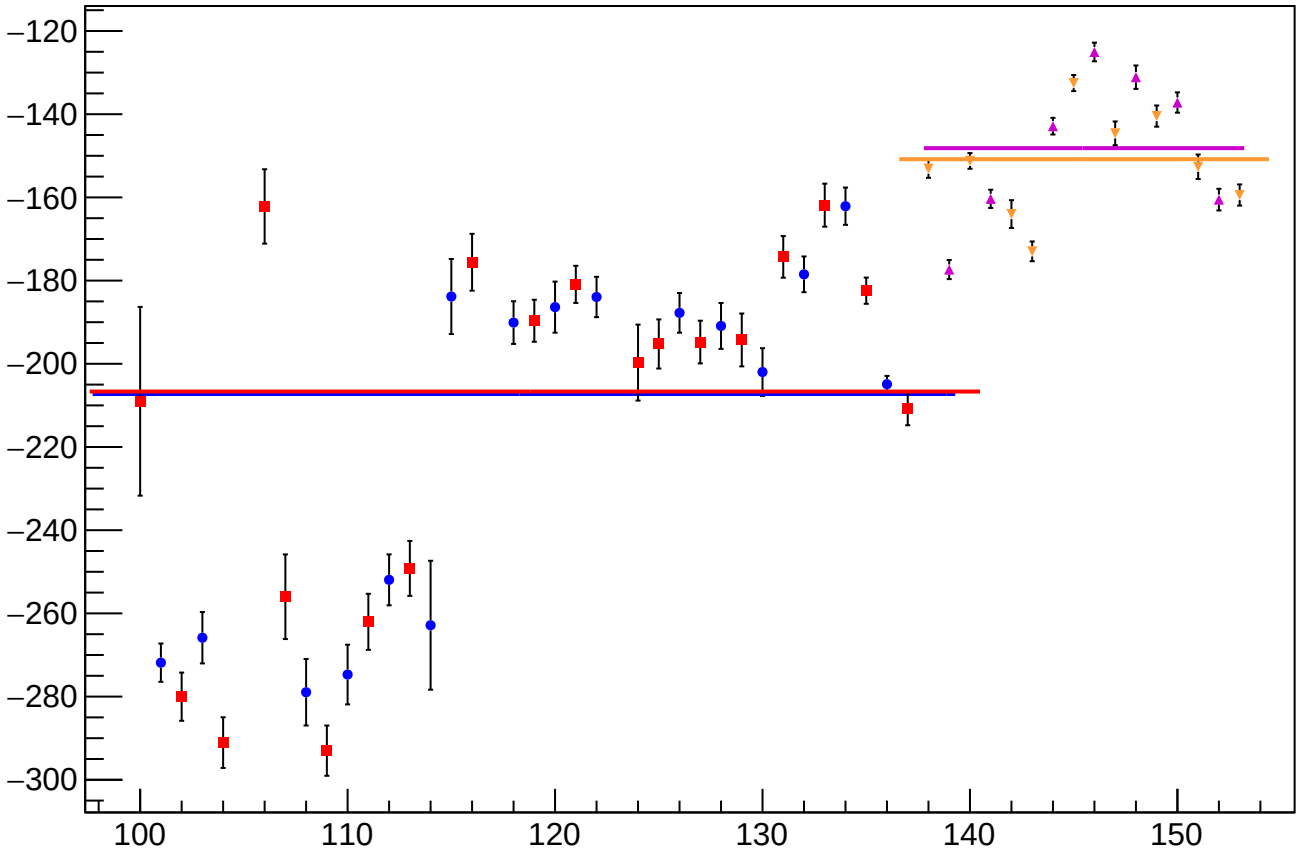
Left: -36.197+/-0.417 χ^2/NDF: 950.4/15

Right: -48.076+/-0.806 χ^2/NDF: 3648.9/34

In: -40.772+/-0.540 χ^2/NDF:2775.2/22

Out: -36.875+/-0.508 χ^2/NDF:1967.9/27

All: -38.706+/-0.370 χ^2/NDF: 4770.7/50



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -150.818+/-0.798 χ^2/NDF:226.5/8

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

Left In: -148.163+/-0.881 χ^2/NDF:385.4/6

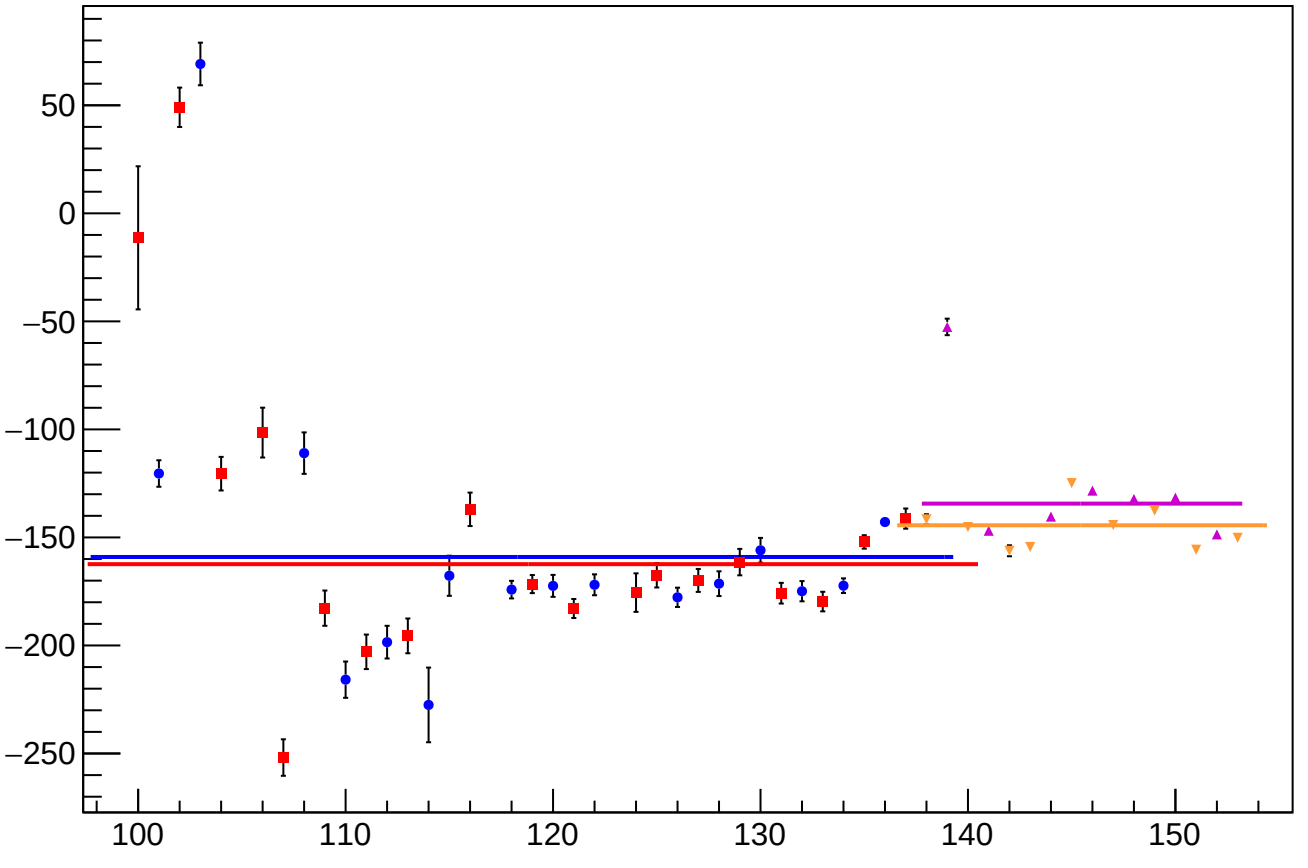
Left: -149.621+/-0.592 χ^2/NDF: 617.0/15

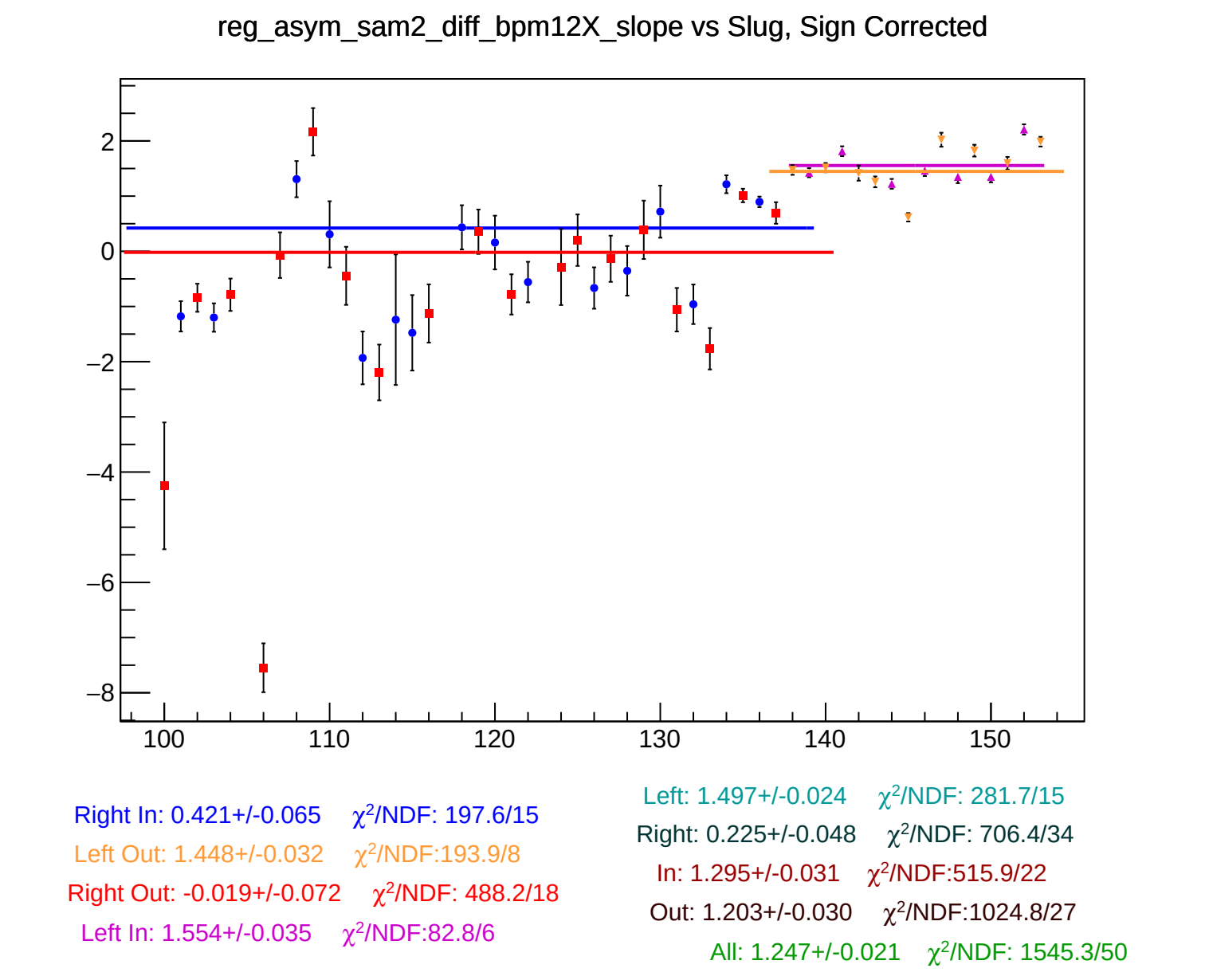
Right: -206.994+/-0.867 χ^2/NDF: 1718.0/34

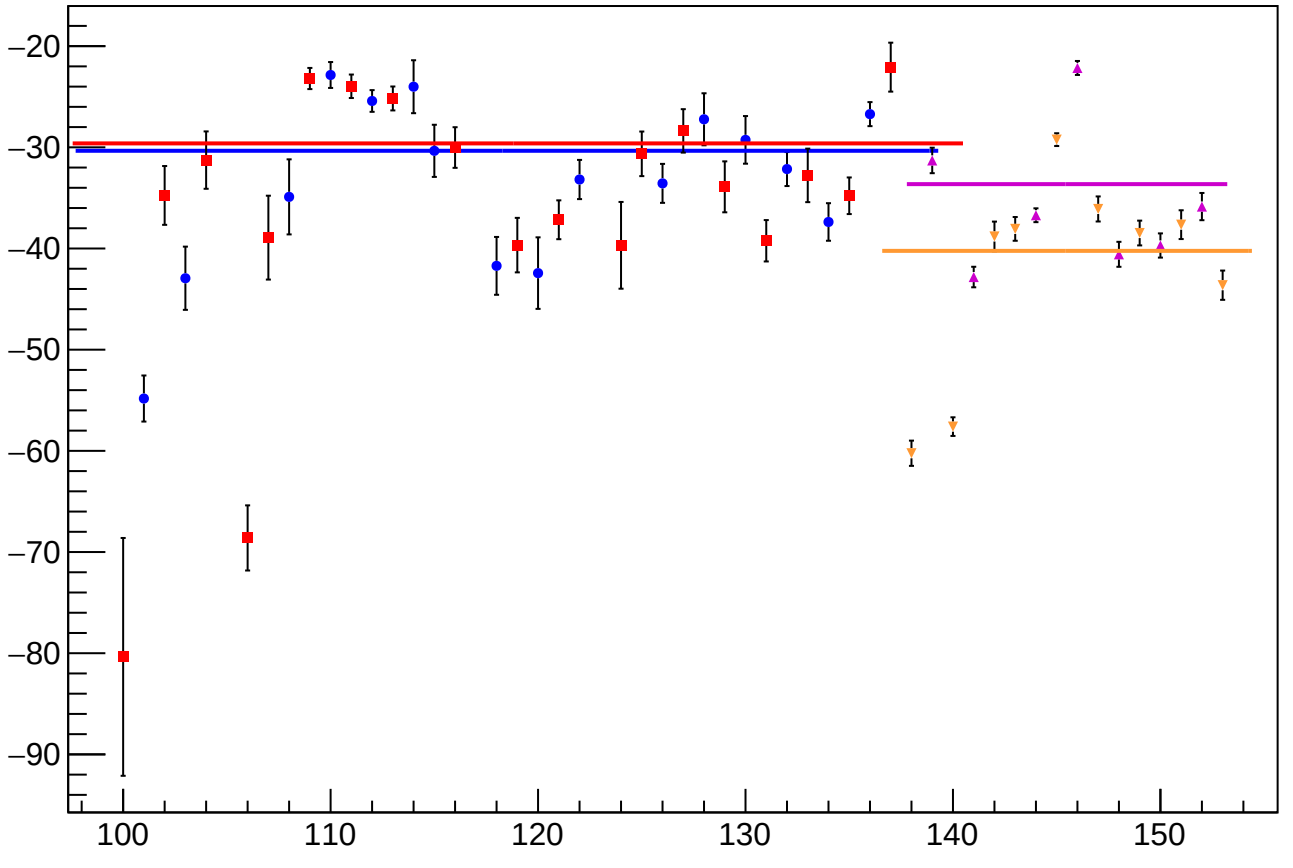
In: -169.357+/-0.706 χ^2/NDF:2747.6/22

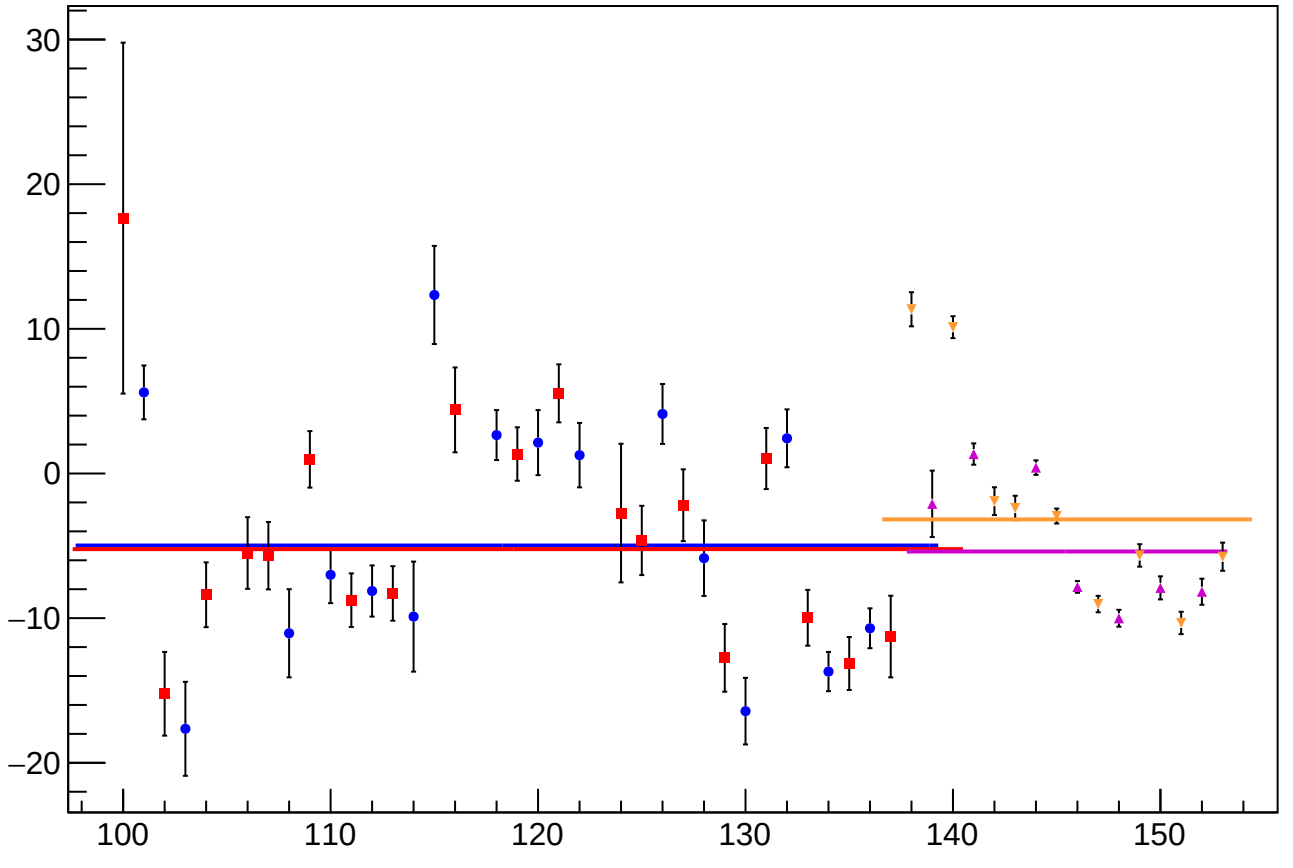
Out: -166.469+/-0.677 χ^2/NDF:2567.7/27

All: -167.854+/-0.489 χ^2/NDF: 5324.0/50


reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
−250
100
110
120
130
140
150
Right In: -159.048+/-1.225 χ²/NDF: 815.8/15
Left Out: -144.375+/-0.682 χ²/NDF:217.9/8
Right Out: -162.370+/-1.324 χ²/NDF: 872.6/18
Left In: -134.352+/-0.753 χ²/NDF:575.1/6
Left: -139.861+/-0.506 χ²/NDF: 890.2/15
Right: -160.581+/-0.899 χ²/NDF: 1691.7/34
In: -141.127+/-0.642 χ²/NDF:1685.6/22
Out: -148.147+/-0.606 χ²/NDF:1236.4/27
All: -144.837+/-0.441 χ²/NDF: 2985.2/50


reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected
2
0
−2
−4
−6
−8
100
110
120
130
140
150
Right In: 0.421+/-0.065 χ²/NDF: 197.6/15
Left Out: 1.448+/-0.032 χ²/NDF:193.9/8
Right Out: -0.019+/-0.072 χ²/NDF: 488.2/18
Left In: 1.554+/-0.035 χ²/NDF:82.8/6
Left: 1.497+/-0.024 χ²/NDF: 281.7/15
Right: 0.225+/-0.048 χ²/NDF: 706.4/34
In: 1.295+/-0.031 χ²/NDF:515.9/22
Out: 1.203+/-0.030 χ²/NDF:1024.8/27
All: 1.247+/-0.021 χ²/NDF: 1545.3/50


reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−30
−40
−50
−60
−70
−80
−90
100
110
120
130
140
150
Right In: -30.341+/-0.468 χ²/NDF: 253.6/15
Left Out: -40.234+/-0.358 χ²/NDF:942.2/8
Right Out: -29.613+/-0.450 χ²/NDF: 329.2/18
Left In: -33.638+/-0.359 χ²/NDF:441.4/6
Left: -36.950+/-0.254 χ²/NDF: 1552.6/15
Right: -29.963+/-0.324 χ²/NDF: 584.0/34
In: -32.414+/-0.285 χ²/NDF:726.2/22
Out: -36.124+/-0.280 χ²/NDF:1612.2/27
All: -34.301+/-0.200 χ²/NDF: 2424.5/50



Right In: -4.980+/-0.510 χ^2/NDF: 237.3/15

Left Out: -3.174+/-0.249 χ^2/NDF:672.6/8

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

Left In: -5.392+/-0.237 χ^2/NDF:337.2/6

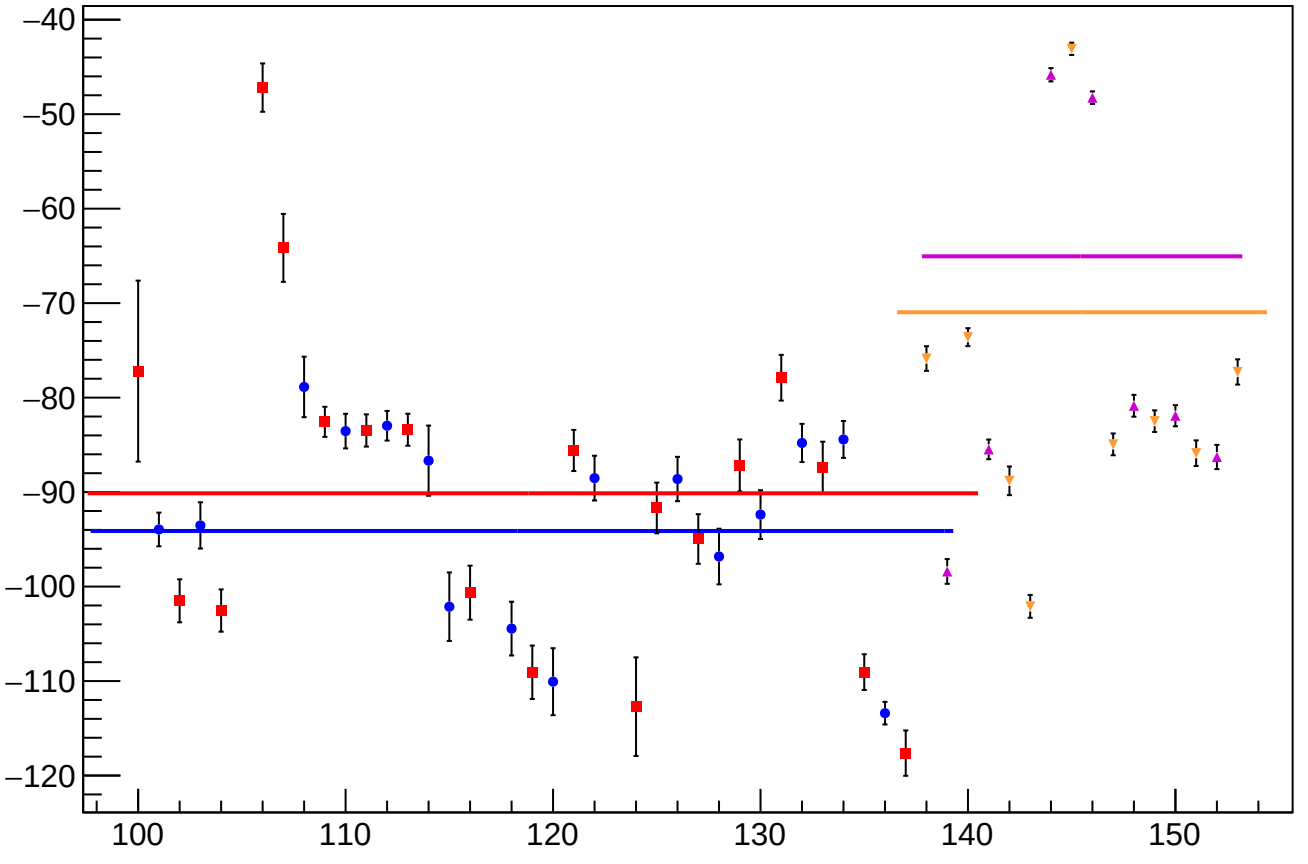
Left: -4.338+/-0.171 χ^2/NDF: 1051.5/15

Right: -5.100+/-0.365 χ^2/NDF: 373.9/34

In: -5.319+/-0.215 χ^2/NDF:575.0/22

Out: -3.552+/-0.225 χ^2/NDF:821.6/27

All: -4.475+/-0.155 χ^2/NDF: 1429.0/50



Right In: -94.115+/-0.537 χ^2/NDF: 466.8/15

Left Out: -70.963+/-0.358 χ^2/NDF:3054.9/8

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

Left In: -65.043+/-0.355 χ^2/NDF:3103.5/6

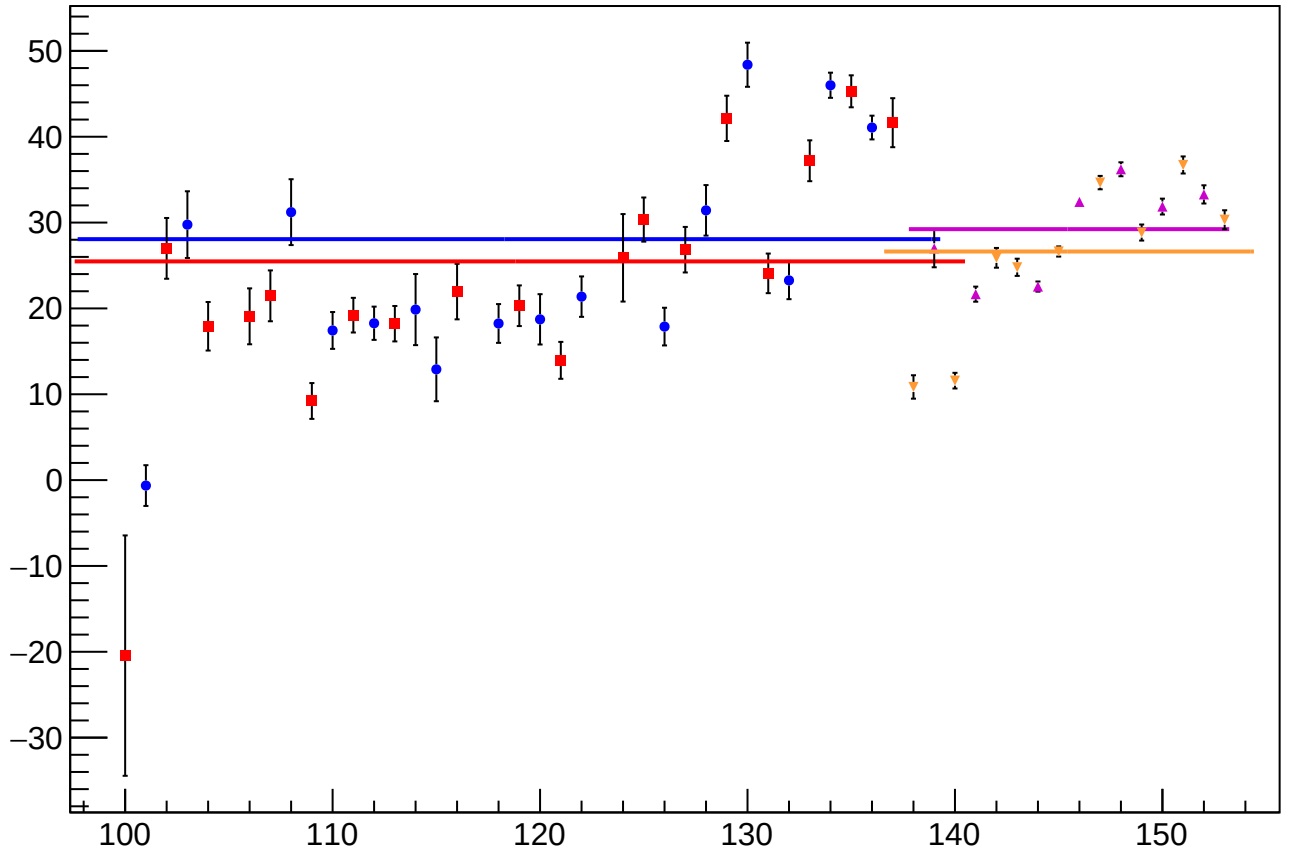
Left: -67.979+/-0.252 χ^2/NDF: 6296.3/15

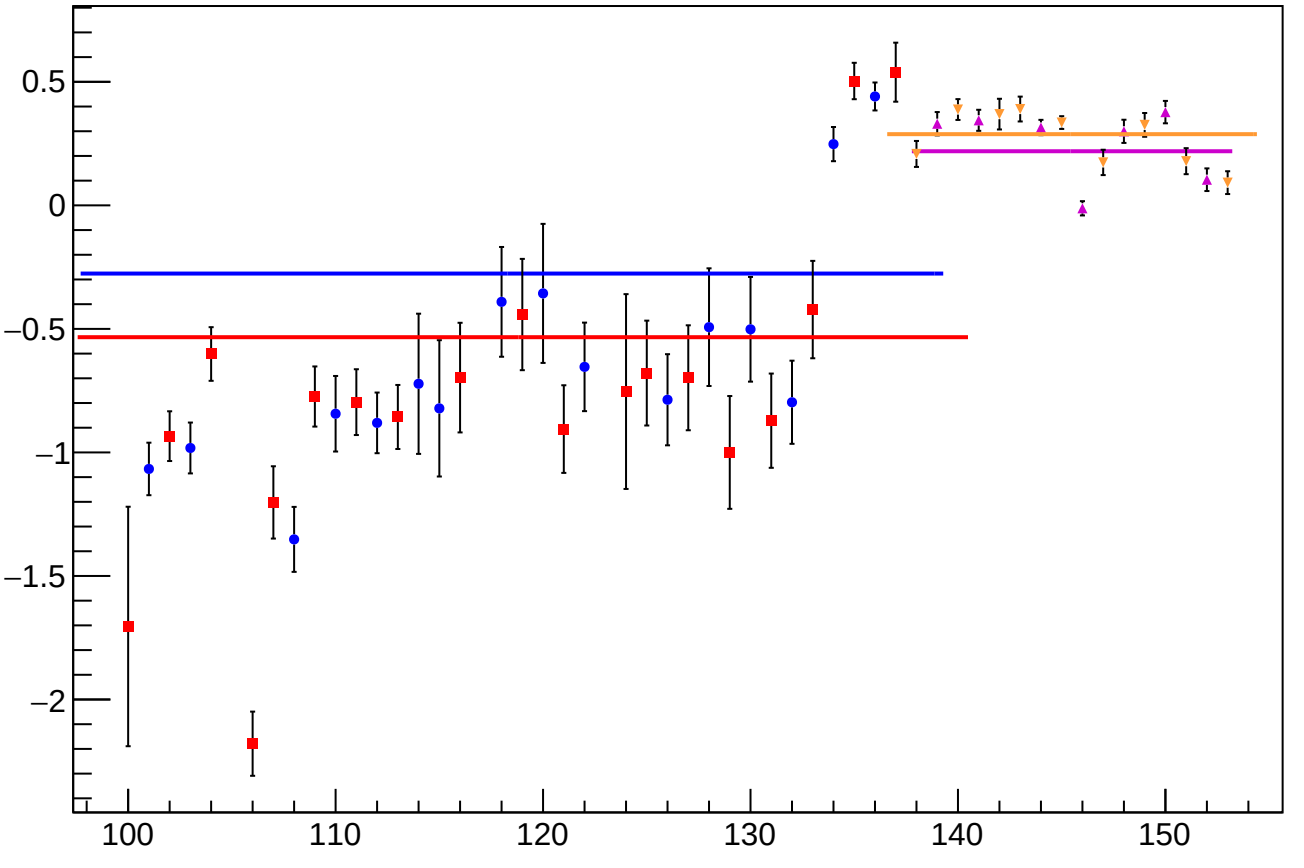
Right: -92.143+/-0.382 χ^2/NDF: 1283.5/34

In: -73.884+/-0.296 χ^2/NDF:5609.7/22

Out: -76.768+/-0.299 χ^2/NDF:4712.7/27

All: -75.313+/-0.210 χ^2/NDF: 10369.4/50


reg_asym_sam3_diff_bpm4eY_slope vs Slug, Sign Corrected
50
40
30
20
10
0
−10
−20
−30
100
110
120
130
140
150
Right In: 28.068+/-0.569 χ²/NDF: 583.1/15
Left Out: 26.630+/-0.302 χ²/NDF:635.1/8
Right Out: 25.477+/-0.590 χ²/NDF: 354.6/18
Left In: 29.235+/-0.291 χ²/NDF:338.6/6
Left: 27.980+/-0.210 χ²/NDF: 1012.2/15
Right: 26.821+/-0.410 χ²/NDF: 947.7/34
In: 28.992+/-0.259 χ²/NDF:925.0/22
Out: 26.391+/-0.269 χ²/NDF:992.8/27
All: 27.739+/-0.187 χ²/NDF: 1966.3/50



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.288+/-0.015 χ^2/NDF:45.0/8

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

Left In: 0.219+/-0.015 χ^2/NDF:109.3/6

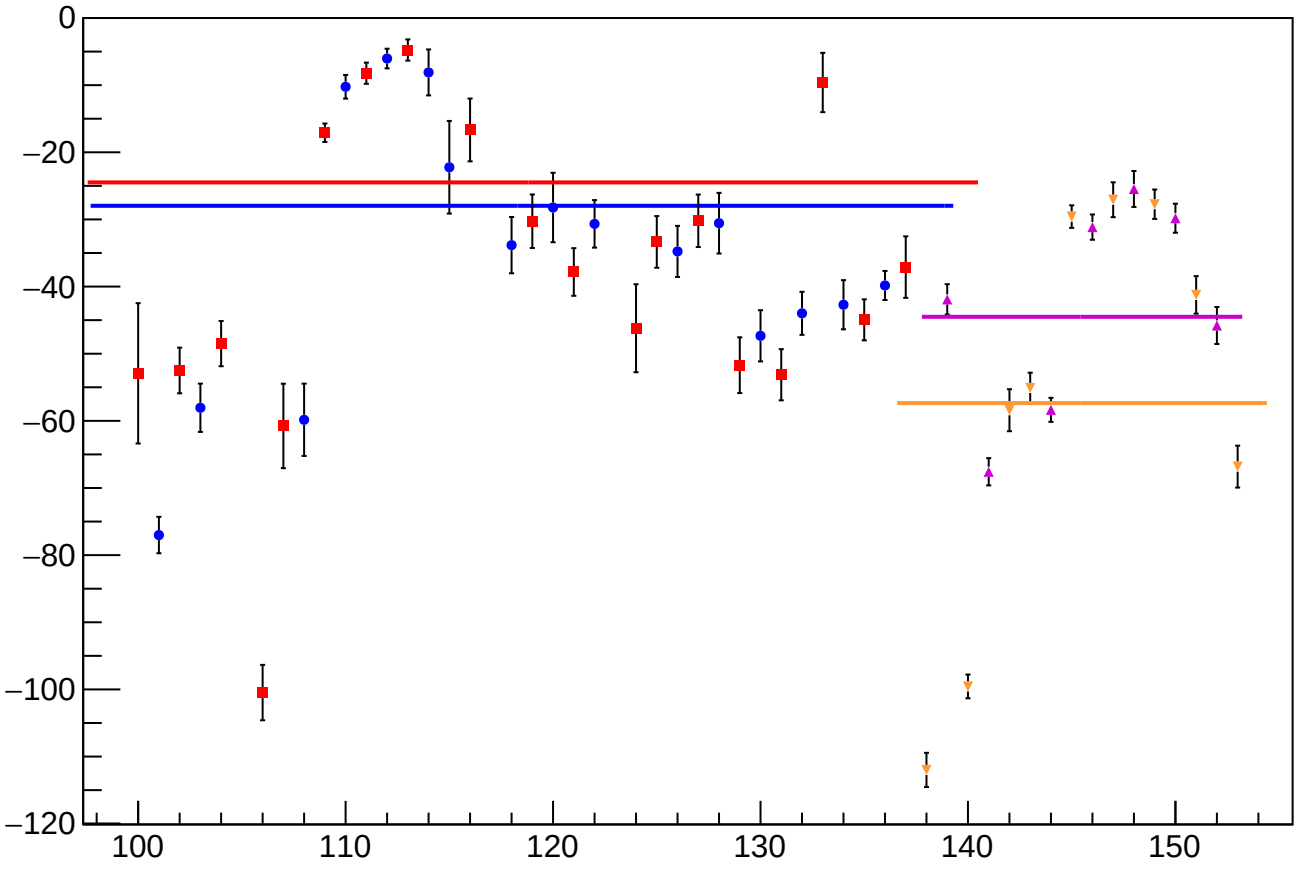
Left: 0.254+/-0.010 χ^2/NDF: 165.5/15

Right: -0.396+/-0.022 χ^2/NDF: 998.8/34

In: 0.127+/-0.013 χ^2/NDF:777.4/22

Out: 0.153+/-0.013 χ^2/NDF:1078.4/27

All: 0.140+/-0.009 χ^2/NDF: 1857.8/50



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -57.348+/-0.764 χ^2/NDF:1666.9/8

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

Left In: -44.501+/-0.812 χ^2/NDF:337.4/6

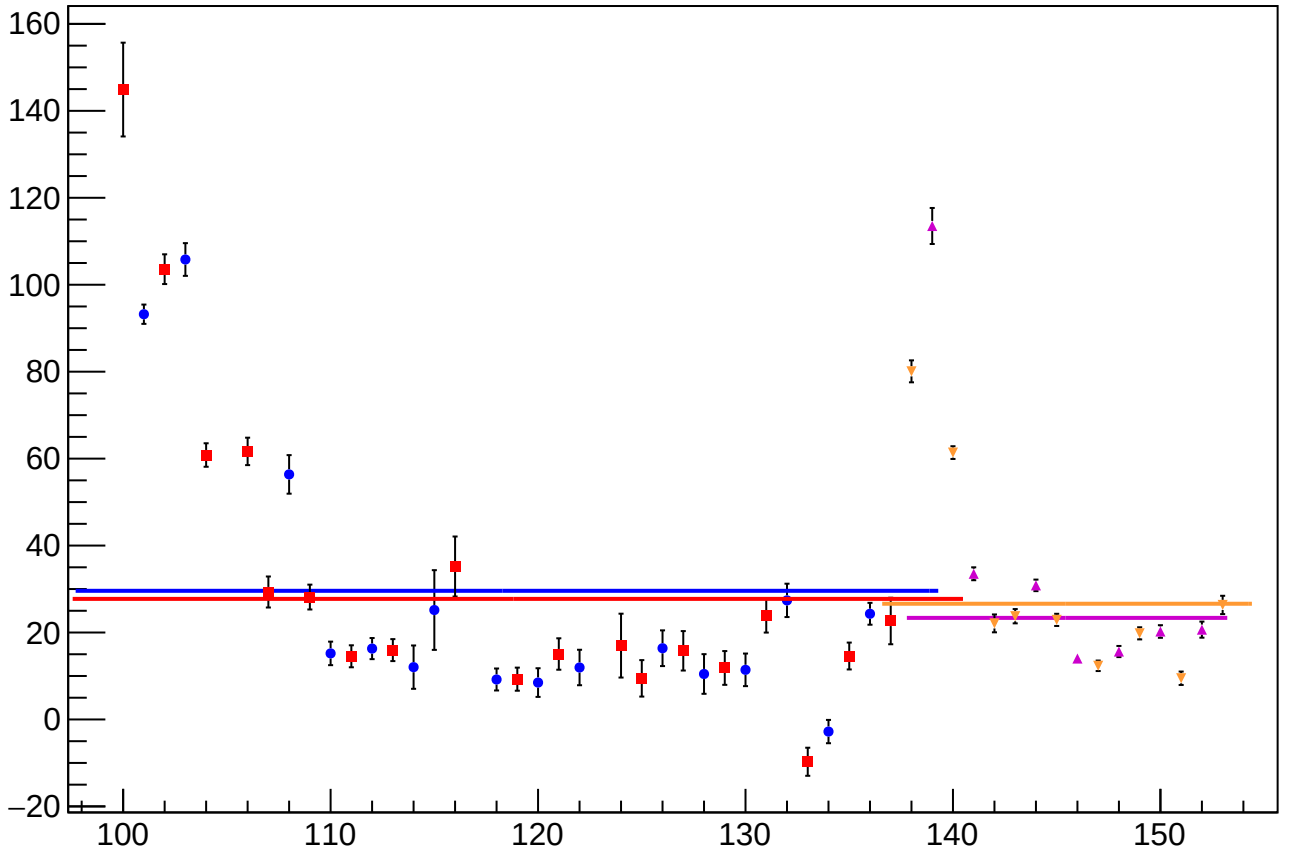
Left: -51.316+/-0.557 χ^2/NDF: 2137.0/15

Right: -26.064+/-0.490 χ^2/NDF: 1896.8/34

In: -35.328+/-0.542 χ^2/NDF:1462.0/22

Out: -38.597+/-0.501 χ^2/NDF:3712.1/27

All: -37.091+/-0.368 χ^2/NDF: 5193.6/50



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 26.618+/-0.528 χ^2/NDF:1311.7/8

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

Left In: 23.365+/-0.557 χ^2/NDF:661.8/6

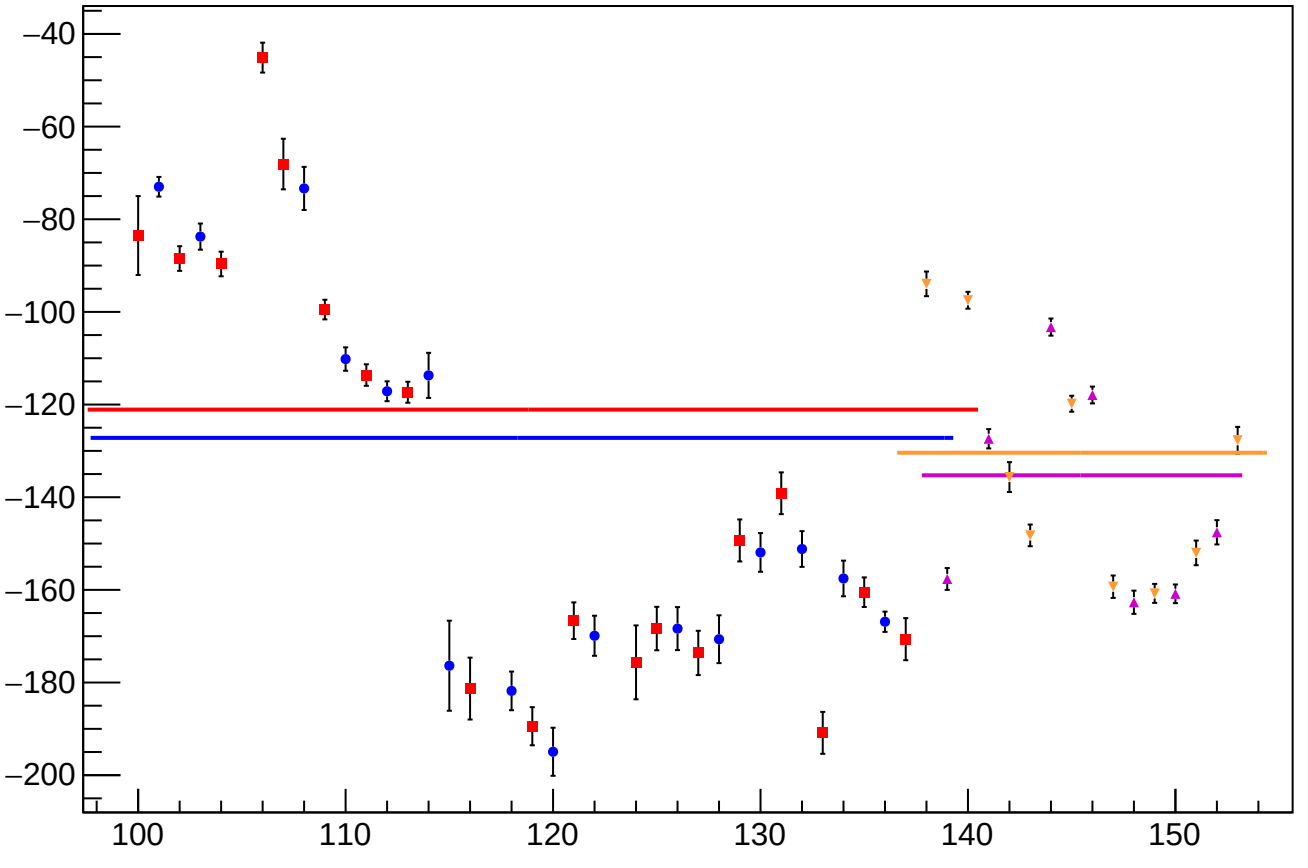
Left: 25.078+/-0.384 χ^2/NDF: 1991.4/15

Right: 28.653+/-0.567 χ^2/NDF: 2853.5/34

In: 25.376+/-0.459 χ^2/NDF:2367.8/22

Out: 26.959+/-0.440 χ^2/NDF:2498.1/27

All: 26.200+/-0.318 χ^2/NDF: 4872.1/50



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -130.395+/-0.760 χ^2/NDF:1044.6/8

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

Left In: -135.270+/-0.801 χ^2/NDF:797.7/6

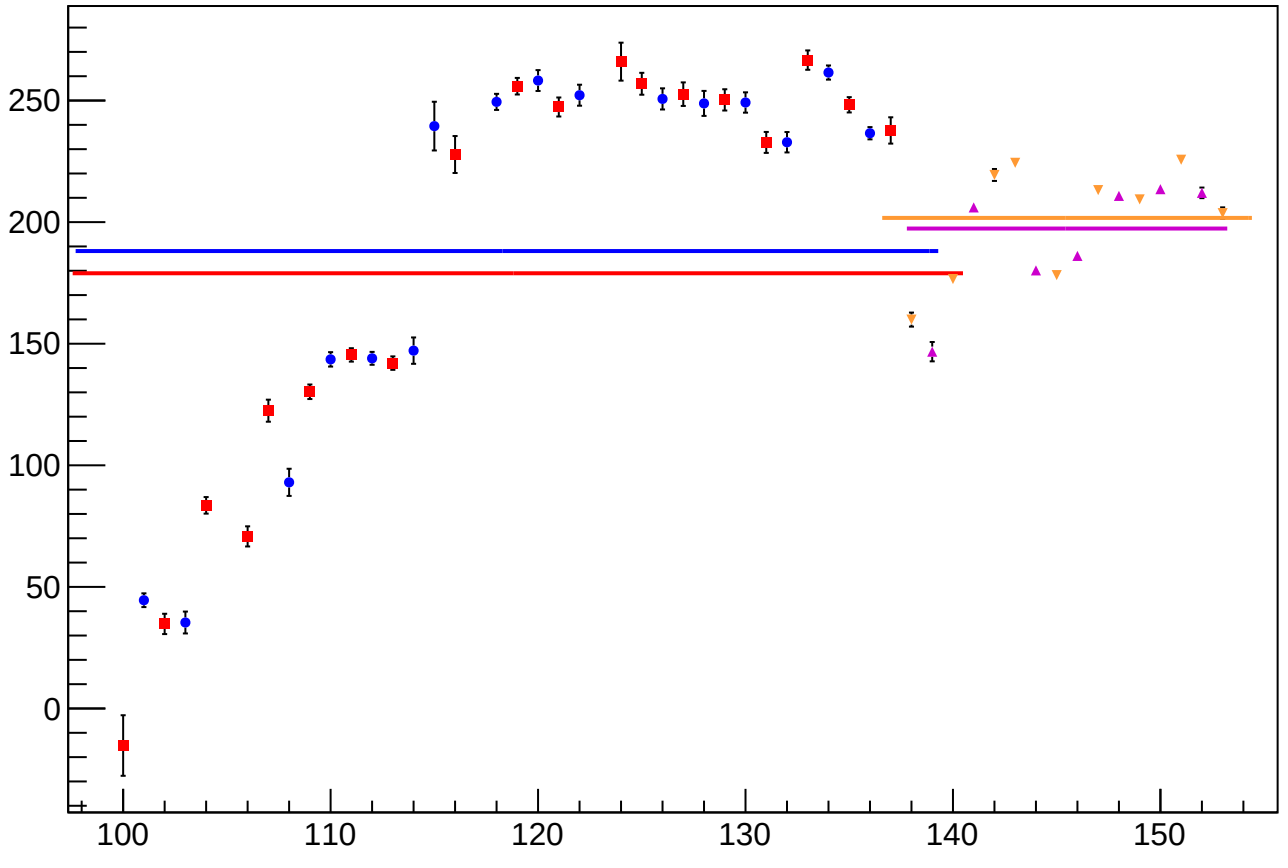
Left: -132.704+/-0.551 χ^2/NDF: 1861.8/15

Right: -124.019+/-0.575 χ^2/NDF: 4603.6/34

In: -131.369+/-0.576 χ^2/NDF:3025.0/22

Out: -125.966+/-0.550 χ^2/NDF:3513.3/27

All: -128.543+/-0.398 χ^2/NDF: 6584.3/50



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 201.735+/-0.643 χ^2/NDF:1034.1/8

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

Left In: 197.362+/-0.677 χ^2/NDF:567.9/6

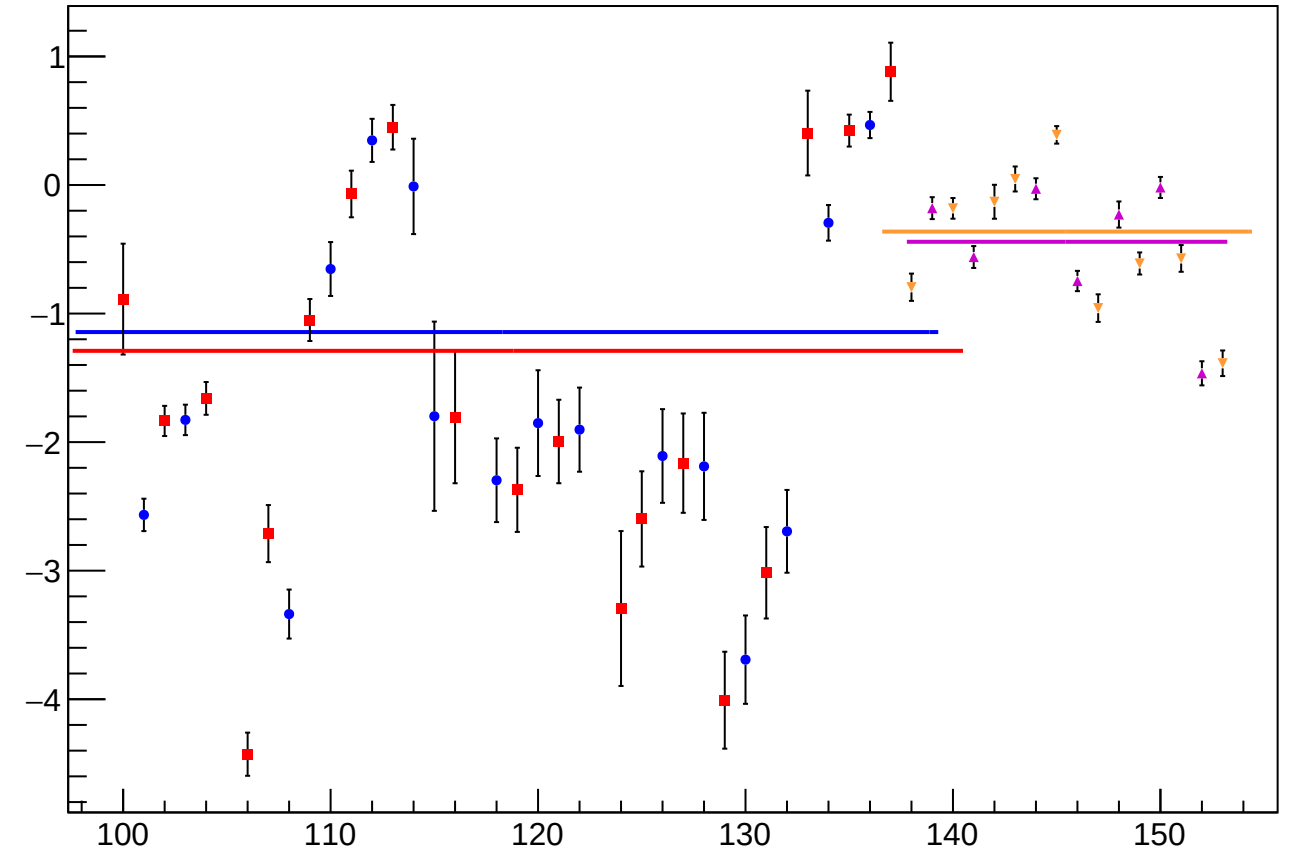
Left: 199.662+/-0.466 χ^2/NDF: 1623.9/15

Right: 183.489+/-0.646 χ^2/NDF: 13837.5/34

In: 194.100+/-0.545 χ^2/NDF:7752.4/22

Out: 194.136+/-0.525 χ^2/NDF:8121.5/27

All: 194.119+/-0.378 χ^2/NDF: 15873.9/50



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.362+/-0.031 χ^2/NDF:313.4/8

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

Left In: -0.442+/-0.033 χ^2/NDF:201.8/6

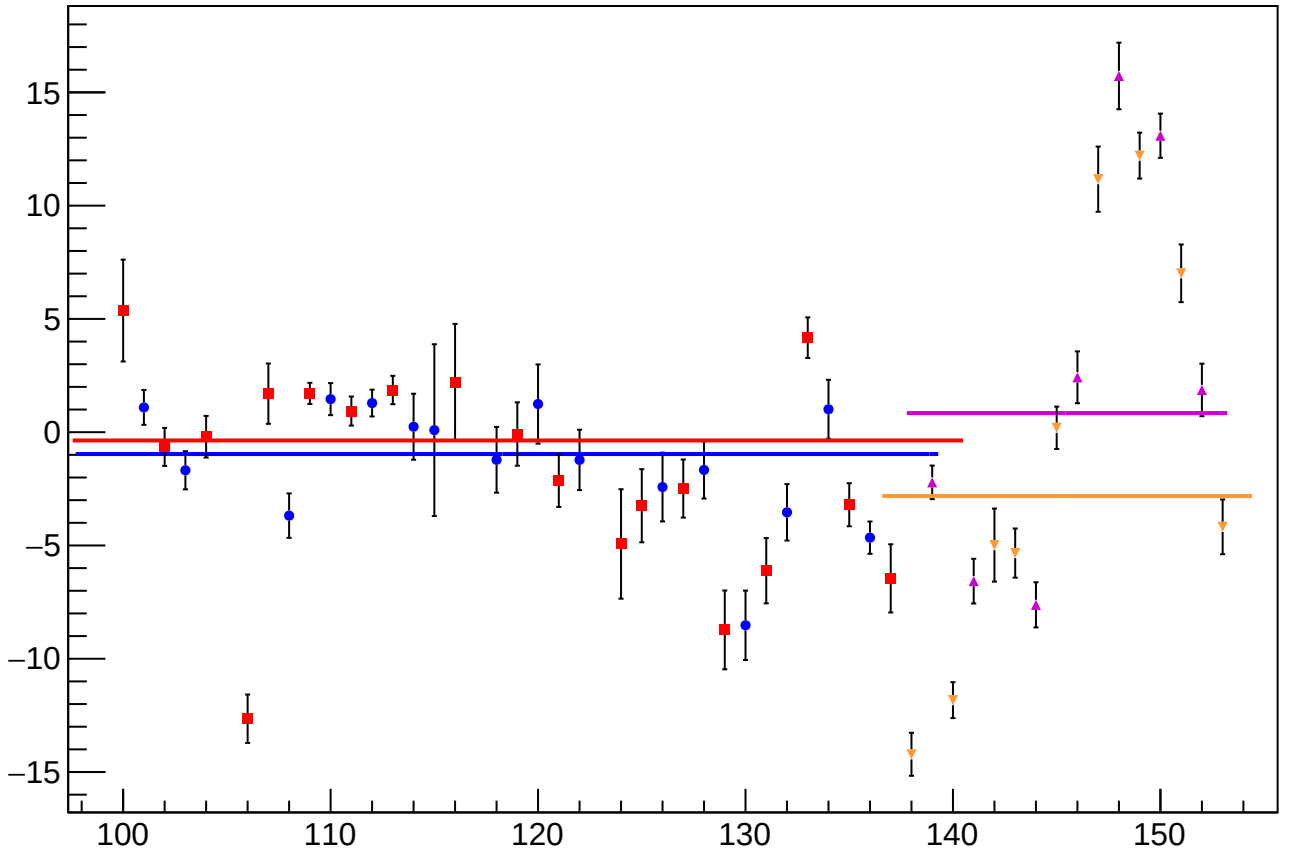
Left: -0.400+/-0.022 χ^2/NDF: 518.3/15

Right: -1.218+/-0.034 χ^2/NDF: 1790.3/34

In: -0.662+/-0.027 χ^2/NDF:1135.9/22

Out: -0.640+/-0.026 χ^2/NDF:1579.3/27

All: -0.651+/-0.019 χ^2/NDF: 2715.5/50



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -2.816+/-0.357 χ^2/NDF:666.2/8

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

Left In: 0.845+/-0.381 χ^2/NDF:407.9/6

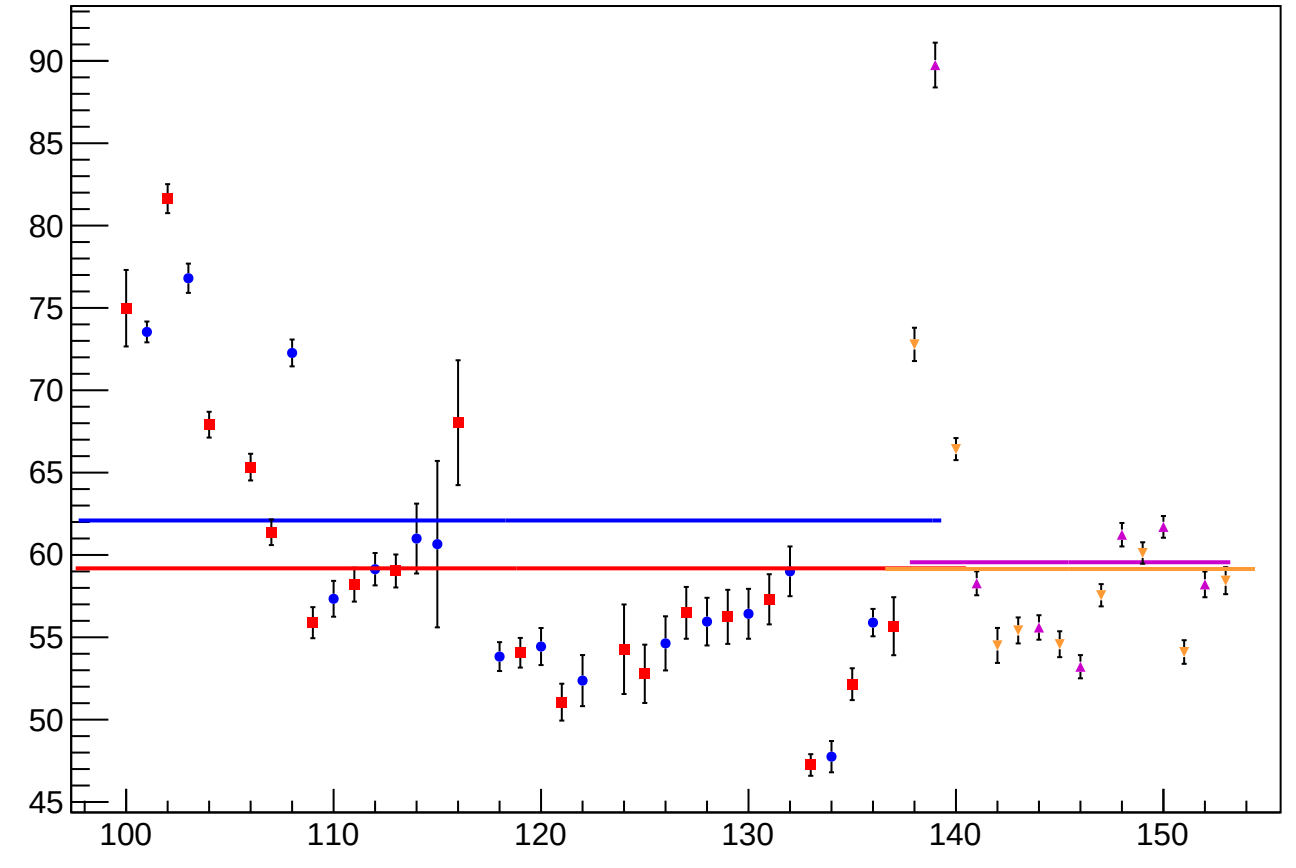
Left: -1.105+/-0.261 χ^2/NDF: 1123.2/15

Right: -0.628+/-0.168 χ^2/NDF: 386.9/34

In: -0.411+/-0.211 χ^2/NDF:526.7/22

Out: -1.056+/-0.190 χ^2/NDF:980.6/27

All: -0.768+/-0.141 χ^2/NDF: 1512.5/50



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 59.149+/-0.256 χ^2/NDF:433.0/8

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

Left In: 59.557+/-0.287 χ^2/NDF:625.1/6

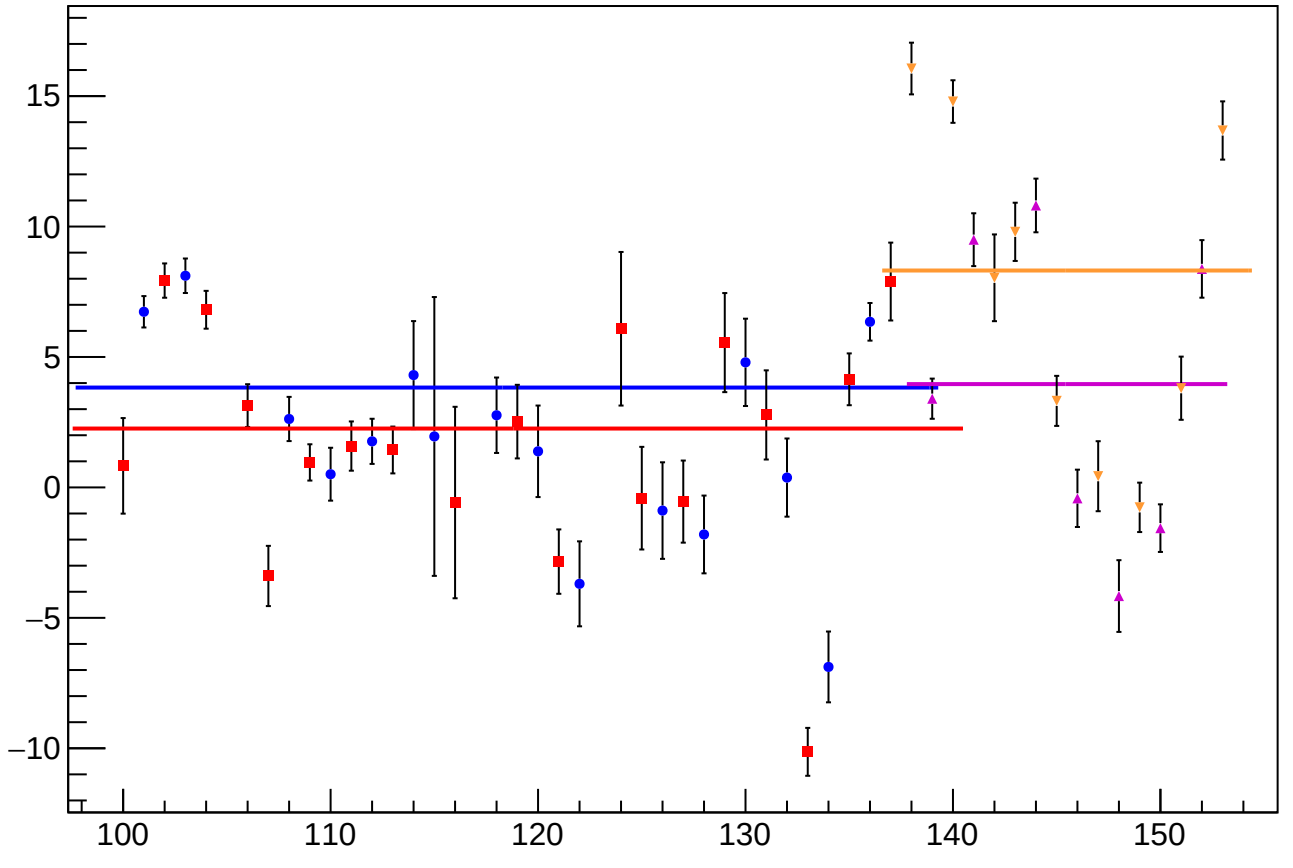
Left: 59.329+/-0.191 χ^2/NDF: 1059.2/15

Right: 60.518+/-0.180 χ^2/NDF: 2768.4/34

In: 60.923+/-0.195 χ^2/NDF:1968.6/22

Out: 59.169+/-0.176 χ^2/NDF:1835.1/27

All: 59.960+/-0.131 χ^2/NDF: 3848.2/50



Right In: 3.828+/-0.265 χ^2/NDF: 208.6/15

Left Out: 8.315+/-0.355 χ^2/NDF:316.4/8

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

Left In: 3.961+/-0.378 χ^2/NDF:178.1/6

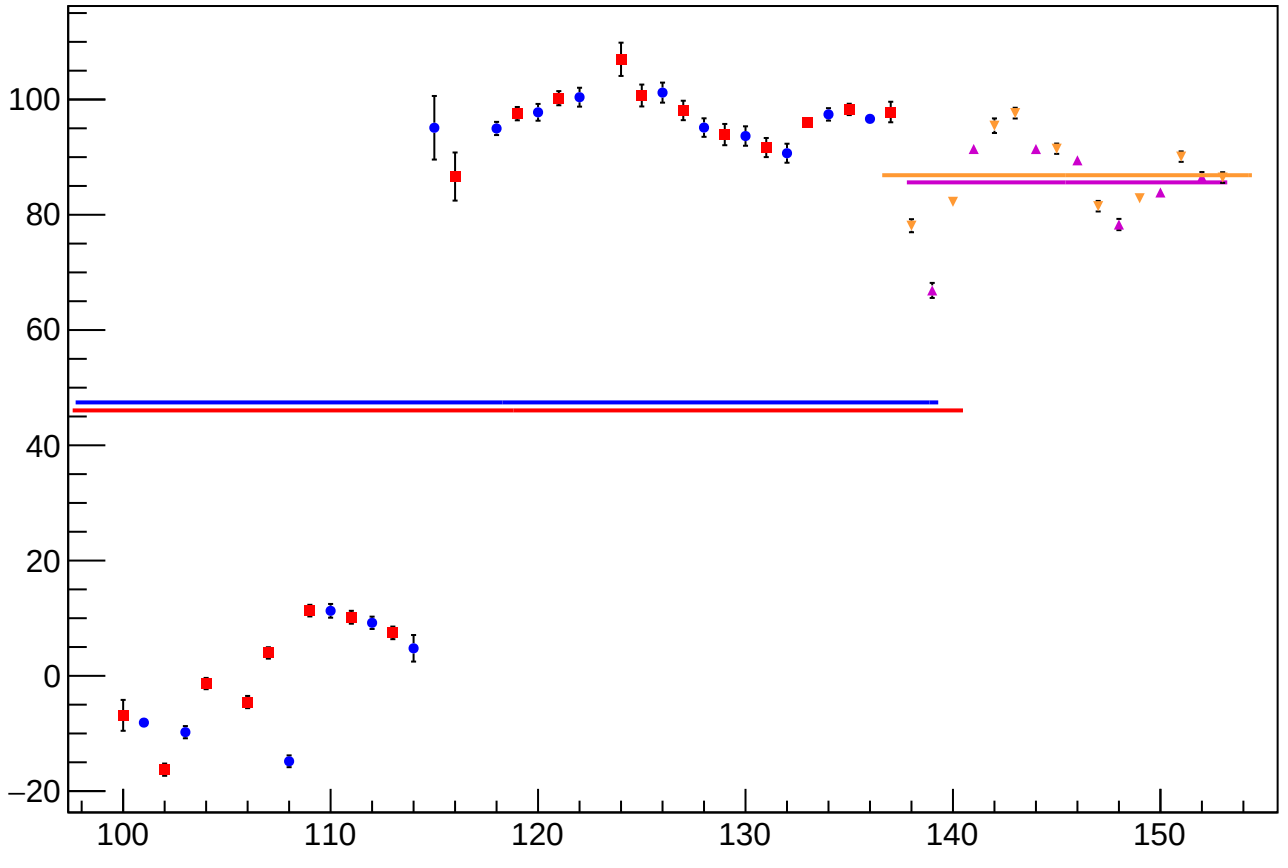
Left: 6.275+/-0.259 χ^2/NDF: 564.9/15

Right: 2.985+/-0.181 χ^2/NDF: 599.4/34

In: 3.872+/-0.217 χ^2/NDF:386.8/22

Out: 4.225+/-0.202 χ^2/NDF:884.7/27

All: 4.061+/-0.148 χ^2/NDF: 1272.9/50



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 86.863+/-0.308 χ^2/NDF:372.6/8

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

Left In: 85.621+/-0.342 χ^2/NDF:377.8/6

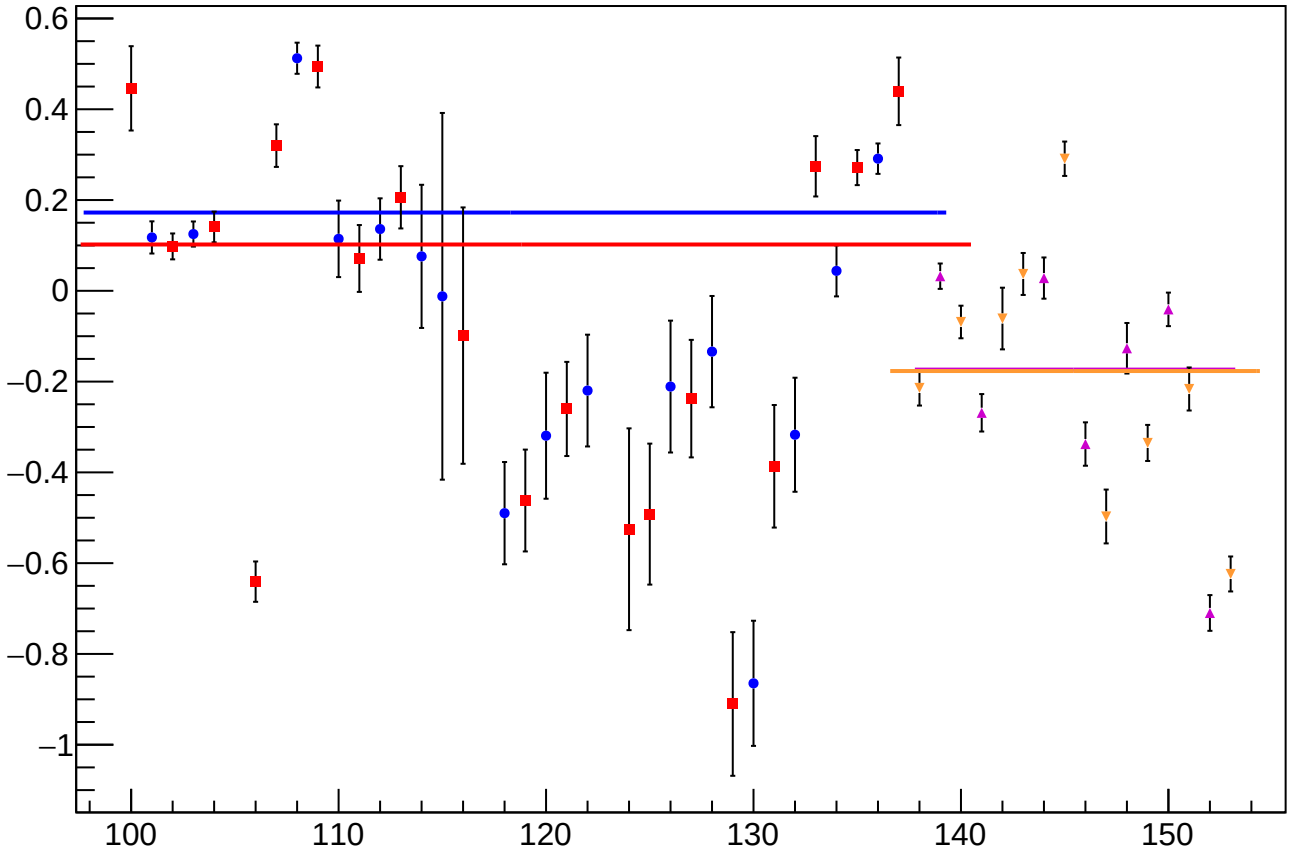
Left: 86.307+/-0.229 χ^2/NDF: 757.6/15

Right: 46.693+/-0.209 χ^2/NDF: 55795.7/34

In: 64.555+/-0.229 χ^2/NDF:34148.6/22

Out: 64.865+/-0.209 χ^2/NDF:38759.9/27

All: 64.724+/-0.154 χ^2/NDF: 72909.5/50



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.177+/-0.014 χ^2/NDF:367.3/8

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

Left In: -0.174+/-0.015 χ^2/NDF:290.2/6

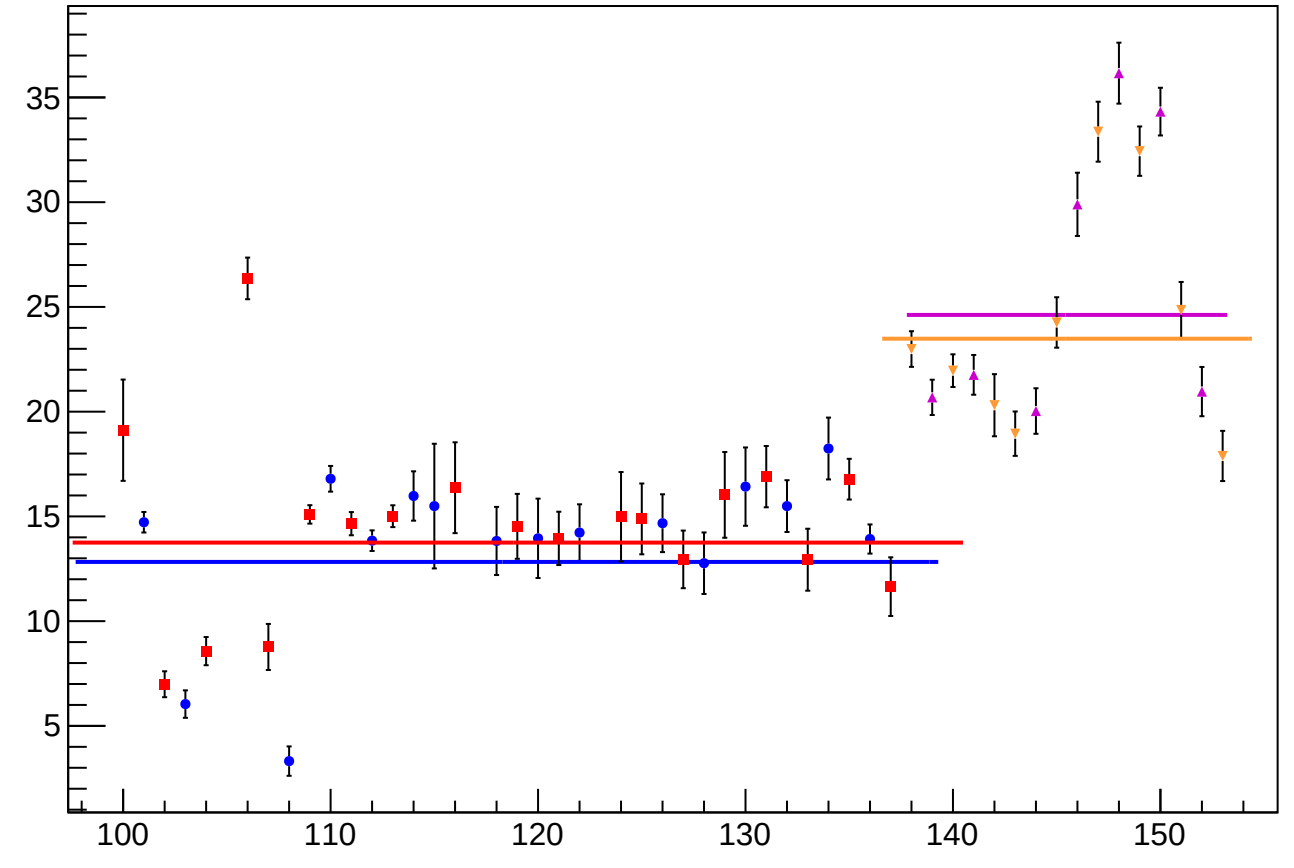
Left: -0.175+/-0.010 χ^2/NDF: 657.5/15

Right: 0.135+/-0.010 χ^2/NDF: 836.7/34

In: 0.009+/-0.010 χ^2/NDF:838.3/22

Out: -0.028+/-0.010 χ^2/NDF:1126.9/27

All: -0.011+/-0.007 χ^2/NDF: 1972.0/50



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 23.483+/-0.364 χ^2/NDF:155.8/8

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

Left In: 24.618+/-0.416 χ^2/NDF:206.2/6

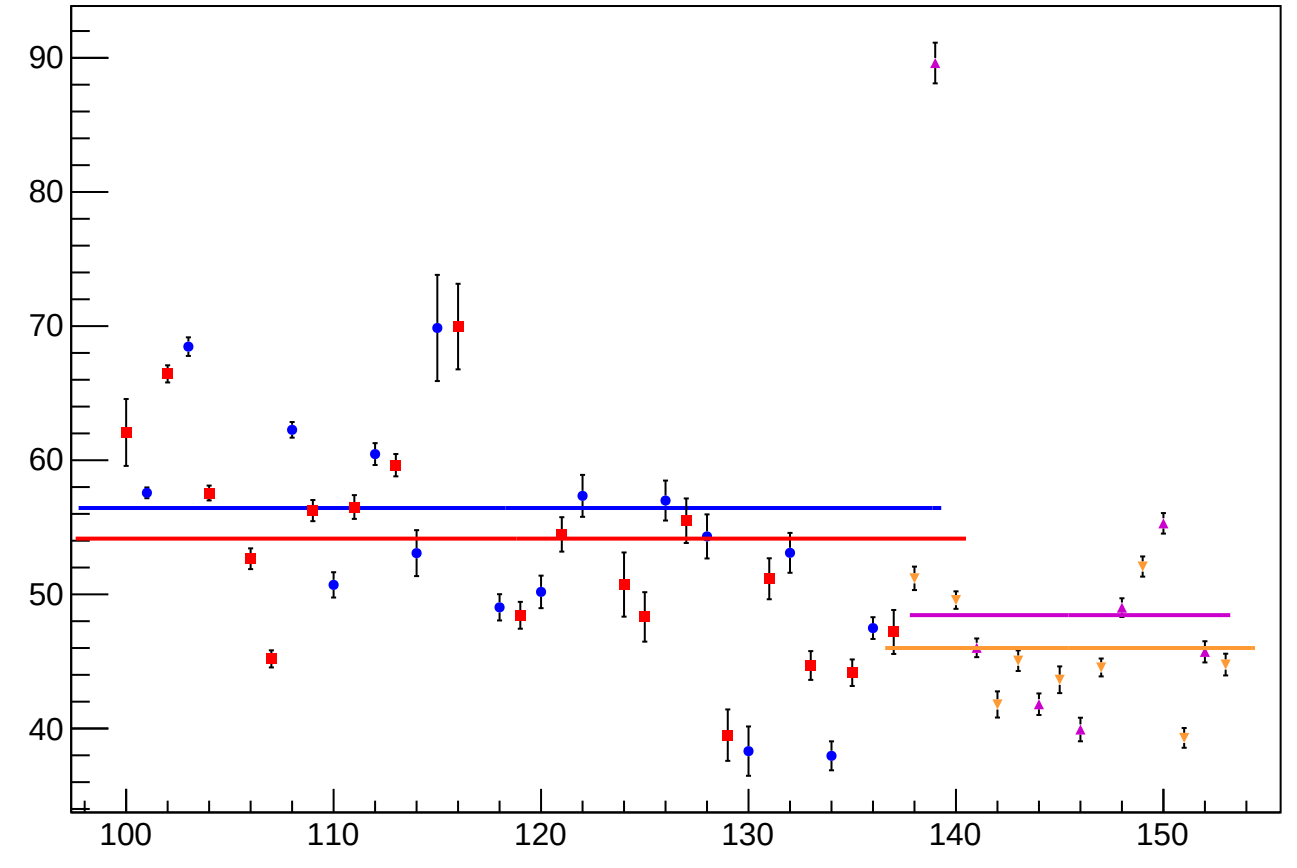
Left: 23.976+/-0.274 χ^2/NDF: 366.2/15

Right: 13.311+/-0.148 χ^2/NDF: 801.7/34

In: 15.293+/-0.190 χ^2/NDF:1228.9/22

Out: 16.074+/-0.178 χ^2/NDF:1102.5/27

All: 15.710+/-0.130 χ^2/NDF: 2340.4/50



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 46.000+/-0.260 χ^2/NDF:246.0/8

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

Left In: 48.452+/-0.306 χ^2/NDF:1003.5/6

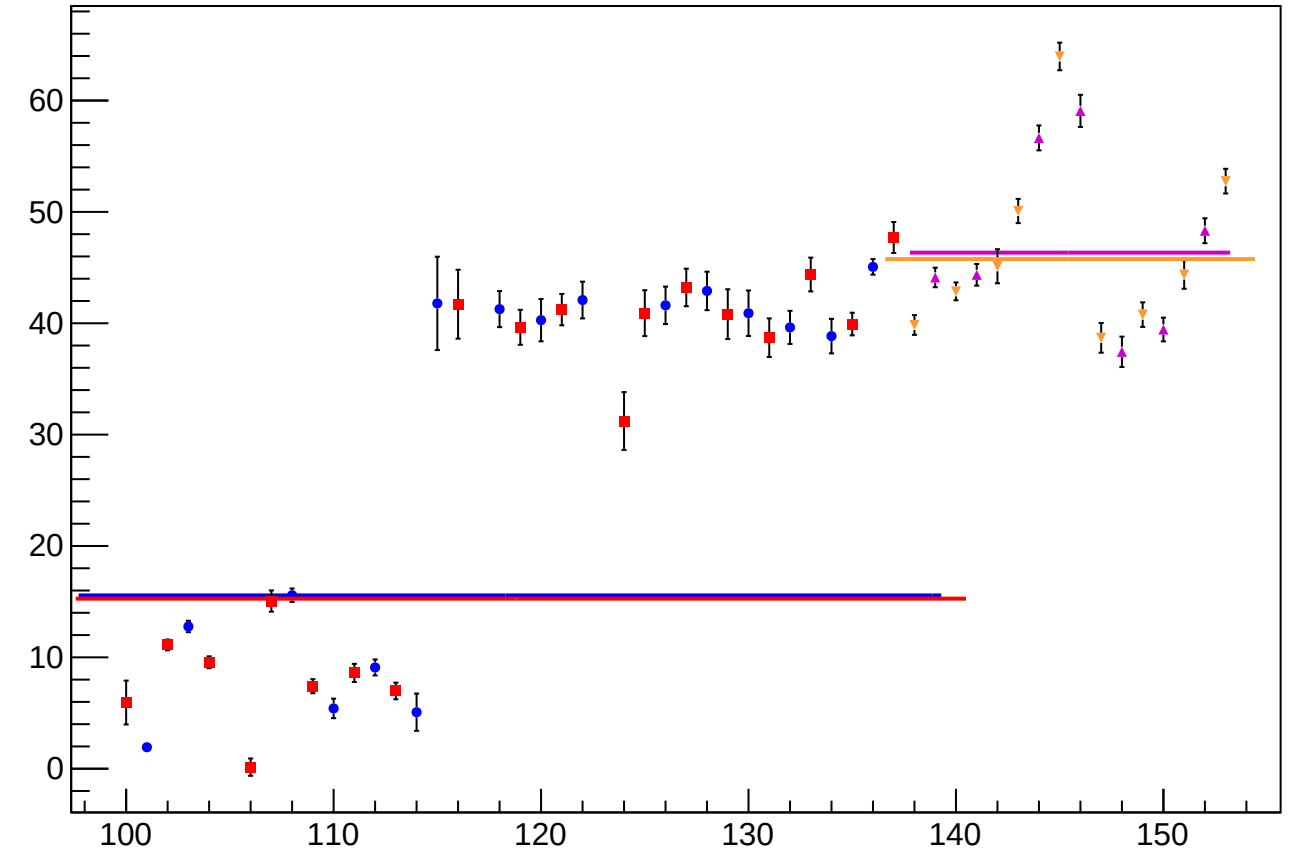
Left: 47.030+/-0.198 χ^2/NDF: 1286.9/15

Right: 55.311+/-0.158 χ^2/NDF: 2146.9/34

In: 53.682+/-0.180 χ^2/NDF:2538.9/22

Out: 50.672+/-0.170 χ^2/NDF:1816.4/27

All: 52.094+/-0.123 χ^2/NDF: 4503.6/50



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 45.761+/-0.364 χ^2/NDF:378.9/8

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

Left In: 46.342+/-0.413 χ^2/NDF:261.0/6

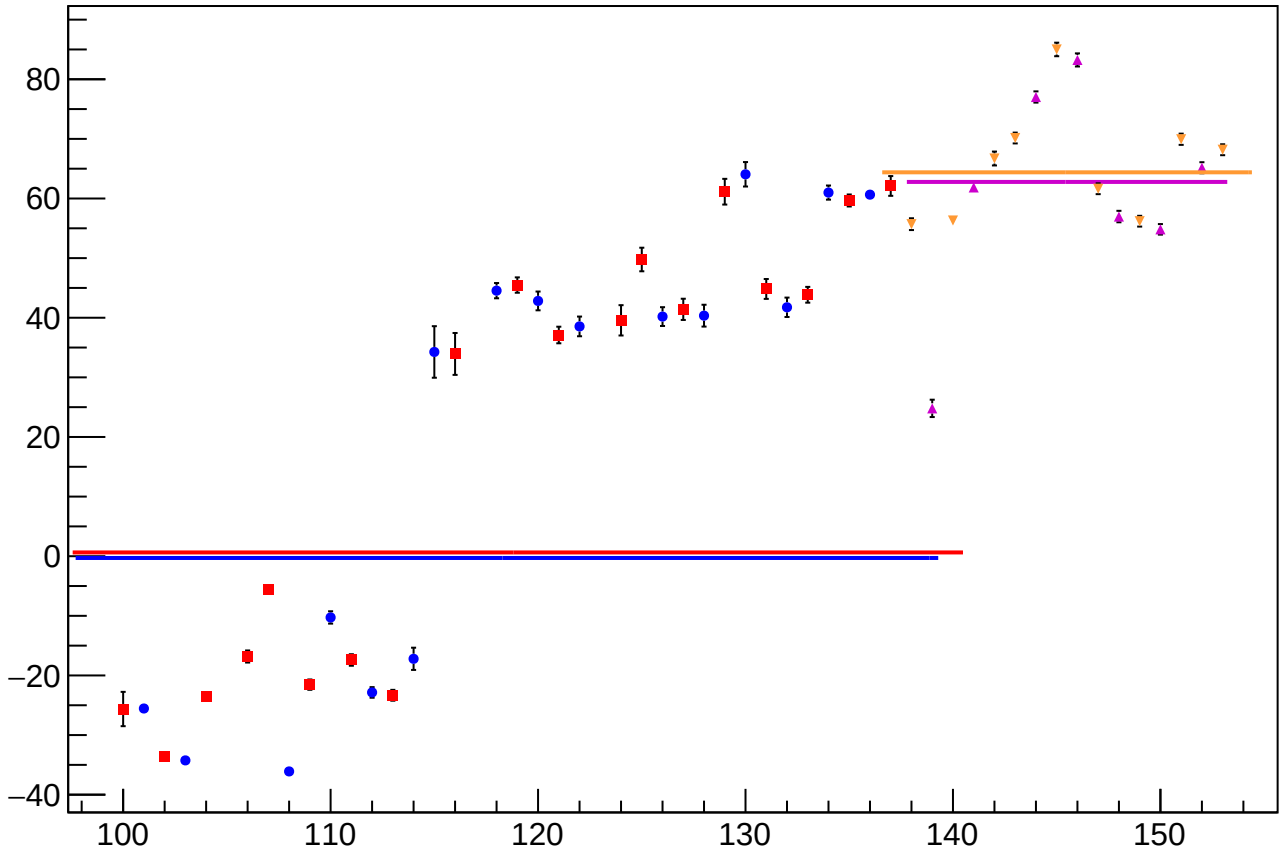
Left: 46.015+/-0.273 χ^2/NDF: 641.0/15

Right: 15.420+/-0.153 χ^2/NDF: 9050.0/34

In: 22.066+/-0.190 χ^2/NDF:9809.5/22

Out: 23.393+/-0.188 χ^2/NDF:9408.5/27

All: 22.738+/-0.134 χ^2/NDF: 19242.7/50



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 64.391+/-0.314 χ^2/NDF:699.9/8

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

Left In: 62.780+/-0.368 χ^2/NDF:1381.7/6

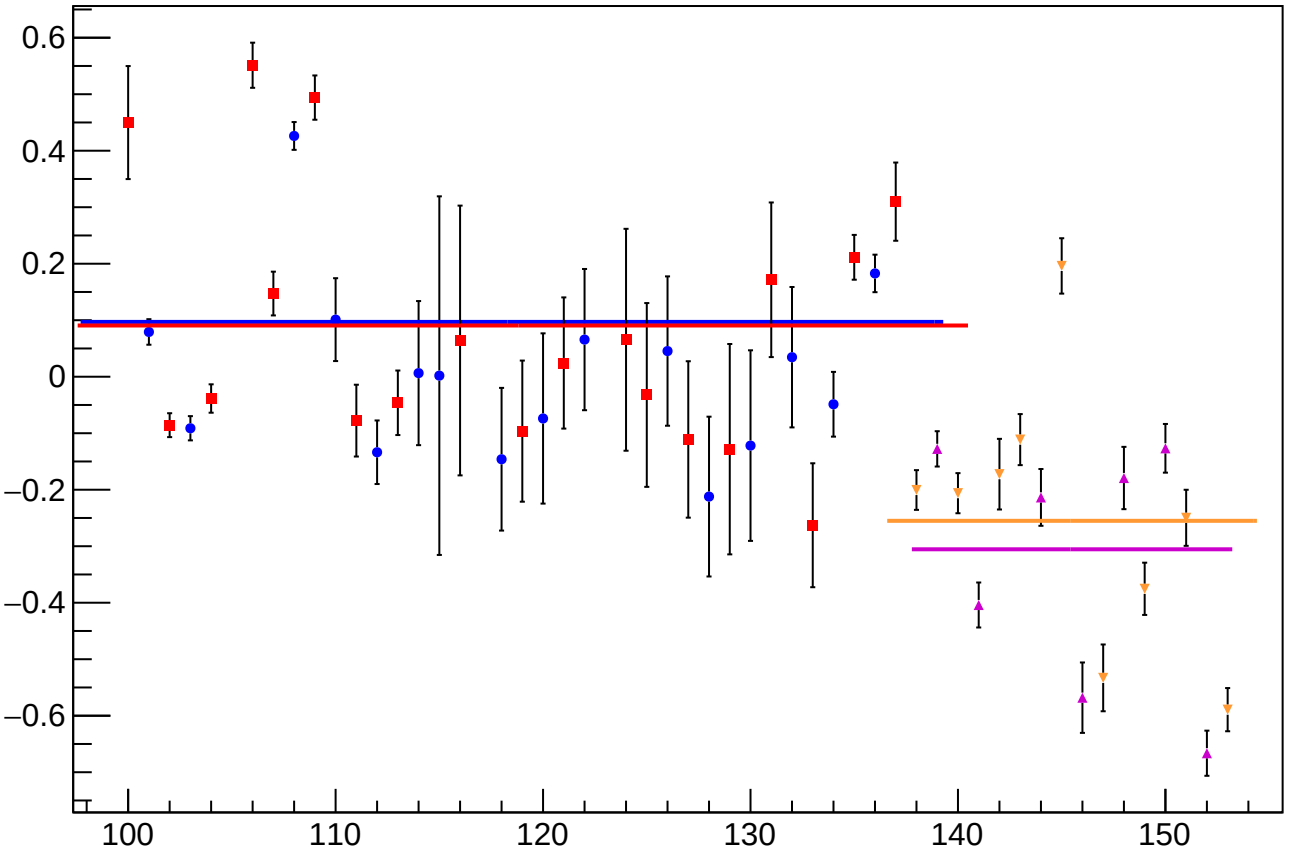
Left: 63.711+/-0.239 χ^2/NDF: 2092.8/15

Right: 0.165+/-0.186 χ^2/NDF: 37065.2/34

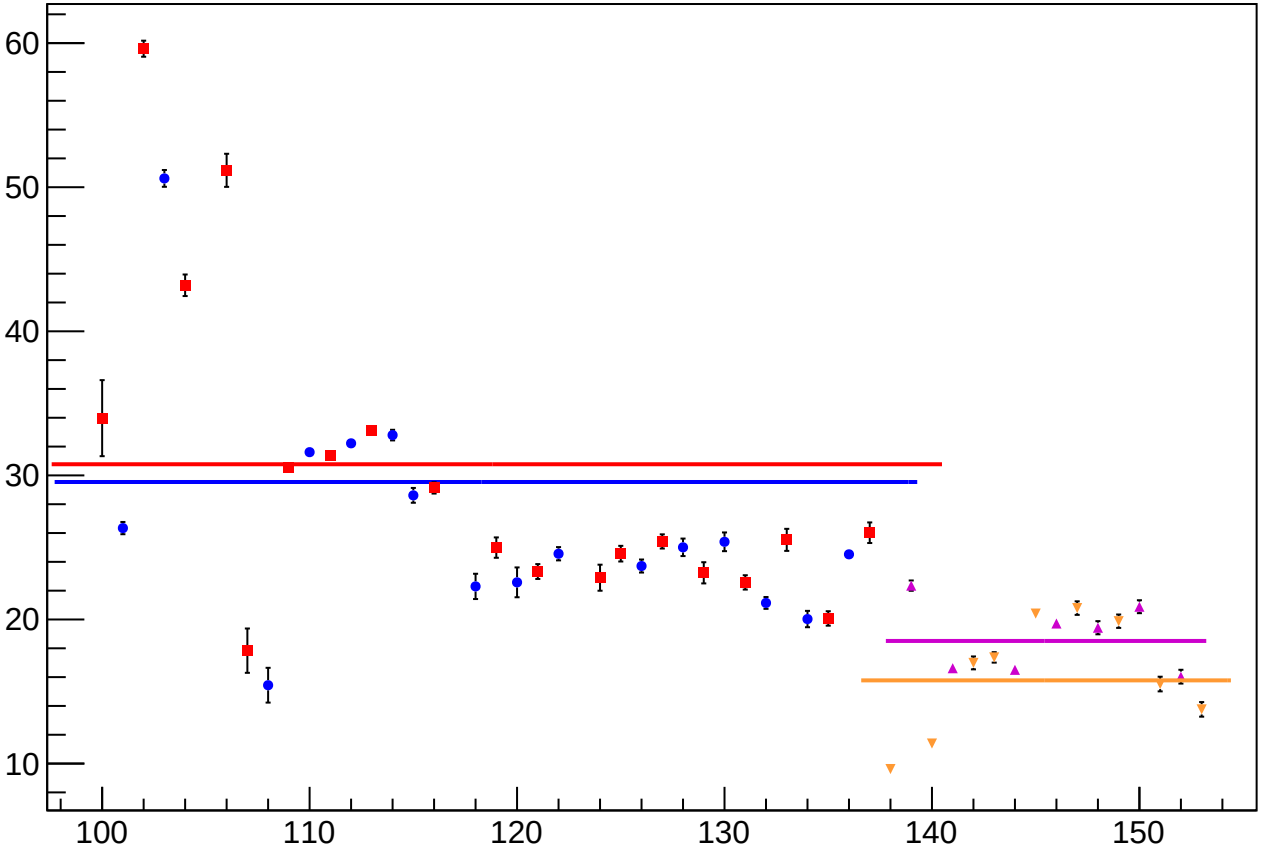
In: 20.893+/-0.213 χ^2/NDF:41972.5/22

Out: 26.970+/-0.202 χ^2/NDF:40892.7/27

All: 24.093+/-0.147 χ^2/NDF: 83293.8/50


reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
Right In: 0.097+/-0.011 χ²/NDF: 299.1/15
Left Out: -0.255+/-0.015 χ²/NDF:206.3/8
Right Out: 0.091+/-0.011 χ²/NDF: 399.5/18
Left In: -0.305+/-0.016 χ²/NDF:163.6/6
Left: -0.278+/-0.011 χ²/NDF: 375.1/15
Right: 0.094+/-0.008 χ²/NDF: 698.7/34
In: -0.033+/-0.009 χ²/NDF:879.2/22
Out: -0.039+/-0.009 χ²/NDF:950.3/27
All: -0.036+/-0.006 χ²/NDF: 1829.7/50

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 15.774+/-0.124 χ^2/NDF:1124.8/8

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

Left In: 18.510+/-0.137 χ^2/NDF:275.6/6

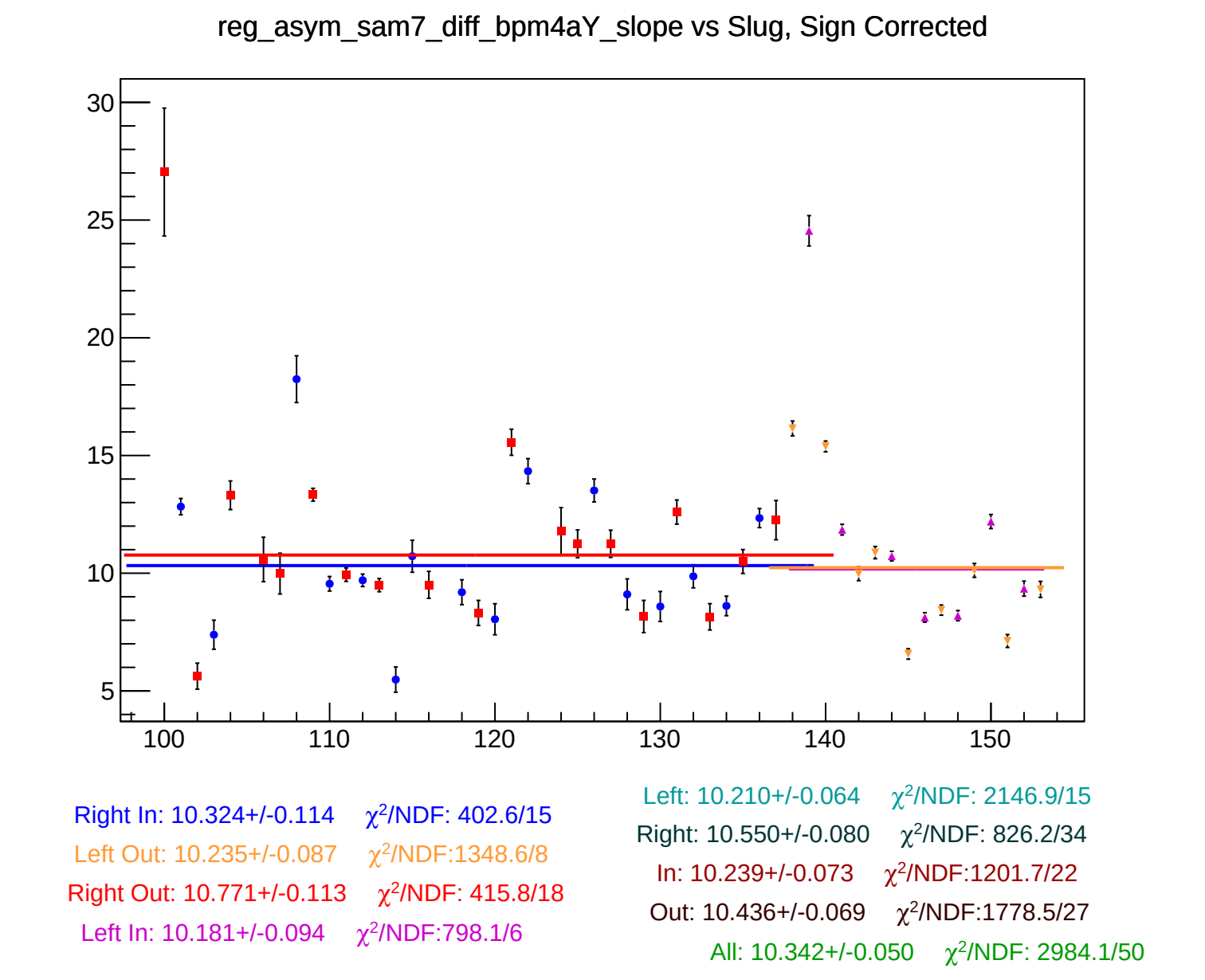
Left: 17.007+/-0.092 χ^2/NDF: 1620.7/15

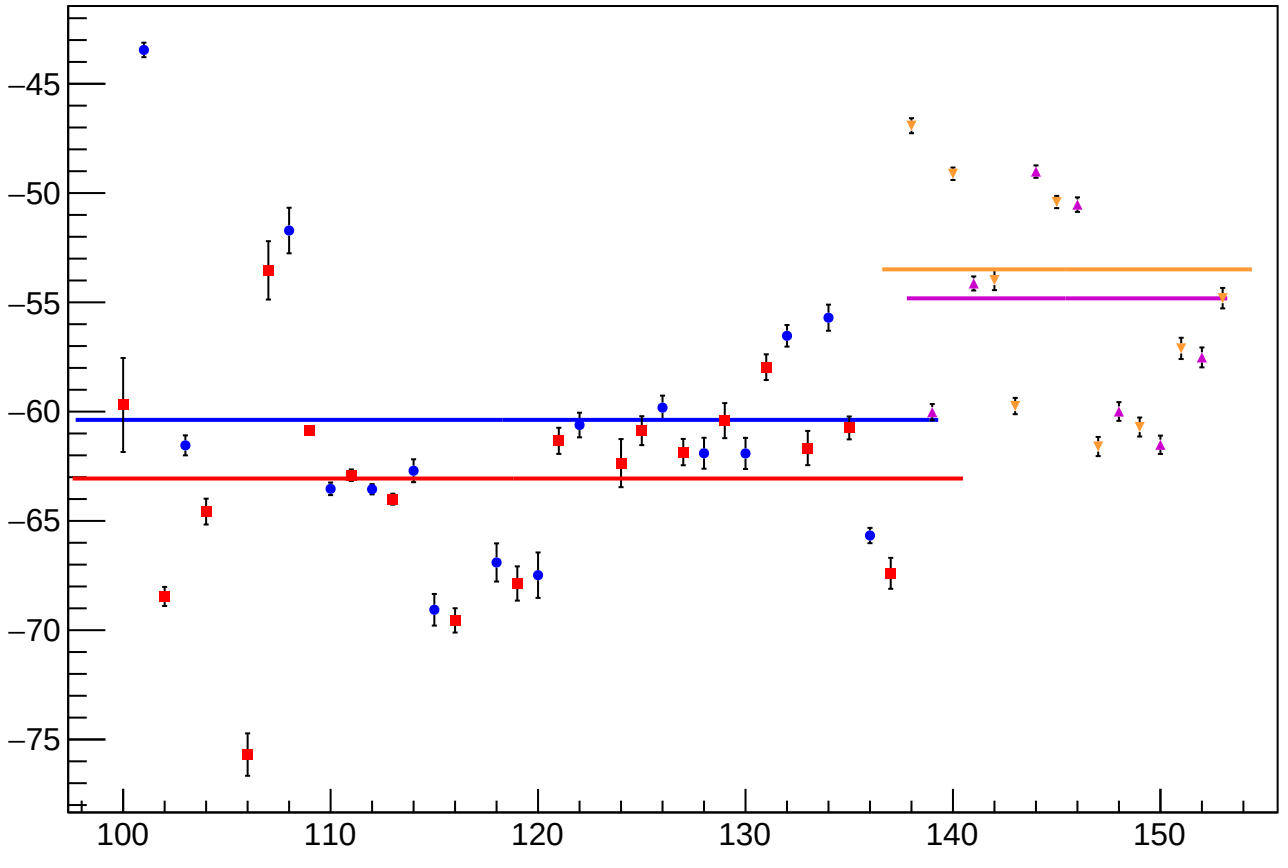
Right: 30.242+/-0.060 χ^2/NDF: 8553.4/34

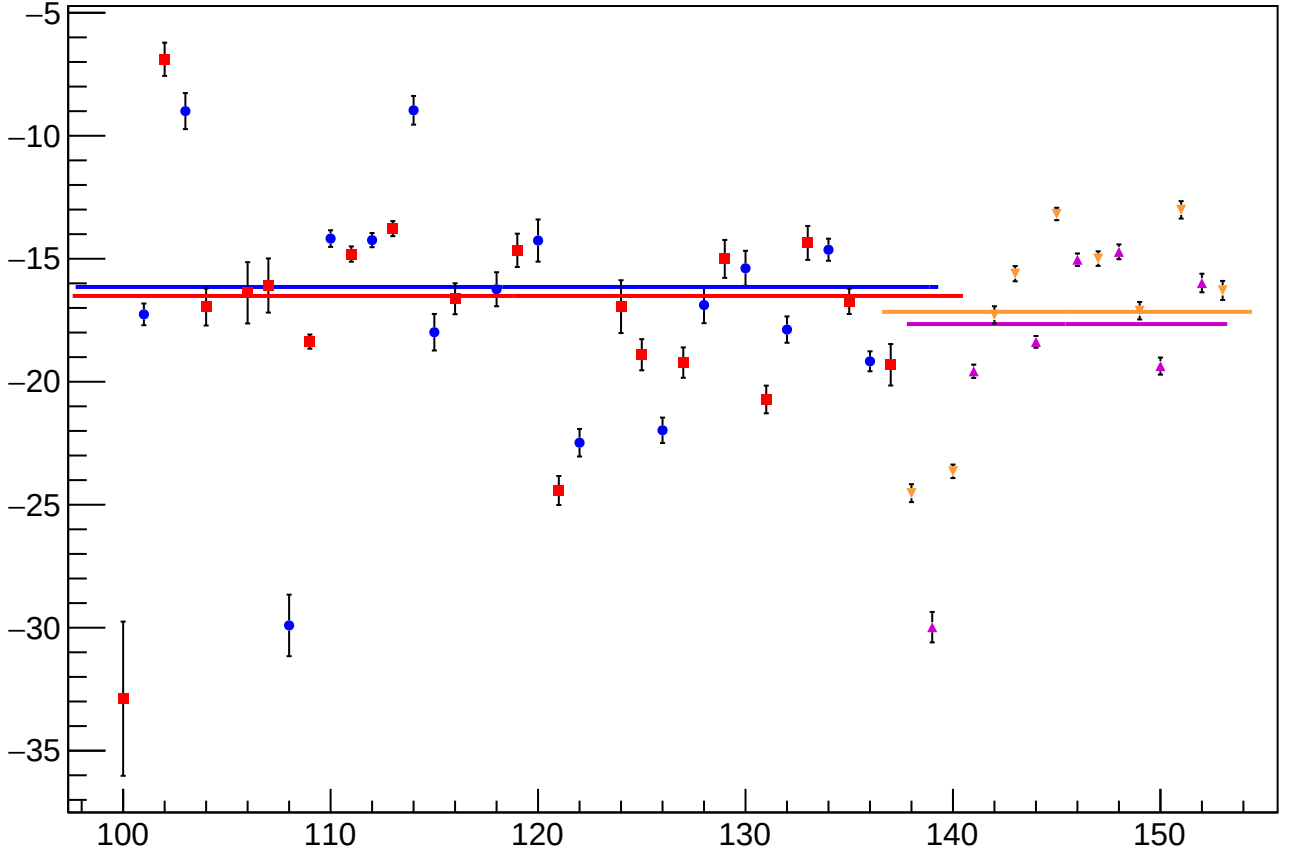
In: 26.104+/-0.076 χ^2/NDF:8133.0/22

Out: 26.342+/-0.067 χ^2/NDF:16551.9/27

All: 26.238+/-0.050 χ^2/NDF: 24690.4/50


reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected
30
25
20
15
10
5
100
110
120
130
140
150
Right In: 10.324+/-0.114 χ2/NDF: 402.6/15
Left Out: 10.235+/-0.087 χ2/NDF:1348.6/8
Right Out: 10.771+/-0.113 χ2/NDF: 415.8/18
Left In: 10.181+/-0.094 χ2/NDF:798.1/6
Left: 10.210+/-0.064 χ2/NDF: 2146.9/15
Right: 10.550+/-0.080 χ2/NDF: 826.2/34
In: 10.239+/-0.073 χ2/NDF:1201.7/22
Out: 10.436+/-0.069 χ2/NDF:1778.5/27
All: 10.342+/-0.050 χ2/NDF: 2984.1/50


reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected
−45
−50
−55
−60
−65
−70
−75
100
110
120
130
140
150
Right In: -60.377+/-0.113 χ²/NDF: 3597.6/15
Left Out: -53.491+/-0.124 χ²/NDF:1684.0/8
Right Out: -63.061+/-0.107 χ²/NDF: 844.1/18
Left In: -54.817+/-0.136 χ²/NDF:1218.3/6
Left: -54.096+/-0.092 χ²/NDF: 2954.1/15
Right: -61.789+/-0.078 χ²/NDF: 4738.4/34
In: -58.103+/-0.087 χ²/NDF:5806.0/22
Out: -58.980+/-0.081 χ²/NDF:5923.5/27
All: -58.571+/-0.059 χ²/NDF: 11783.8/50



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -17.159+/-0.106 χ^2/NDF:1434.0/8

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

Left In: -17.655+/-0.115 χ^2/NDF:700.8/6

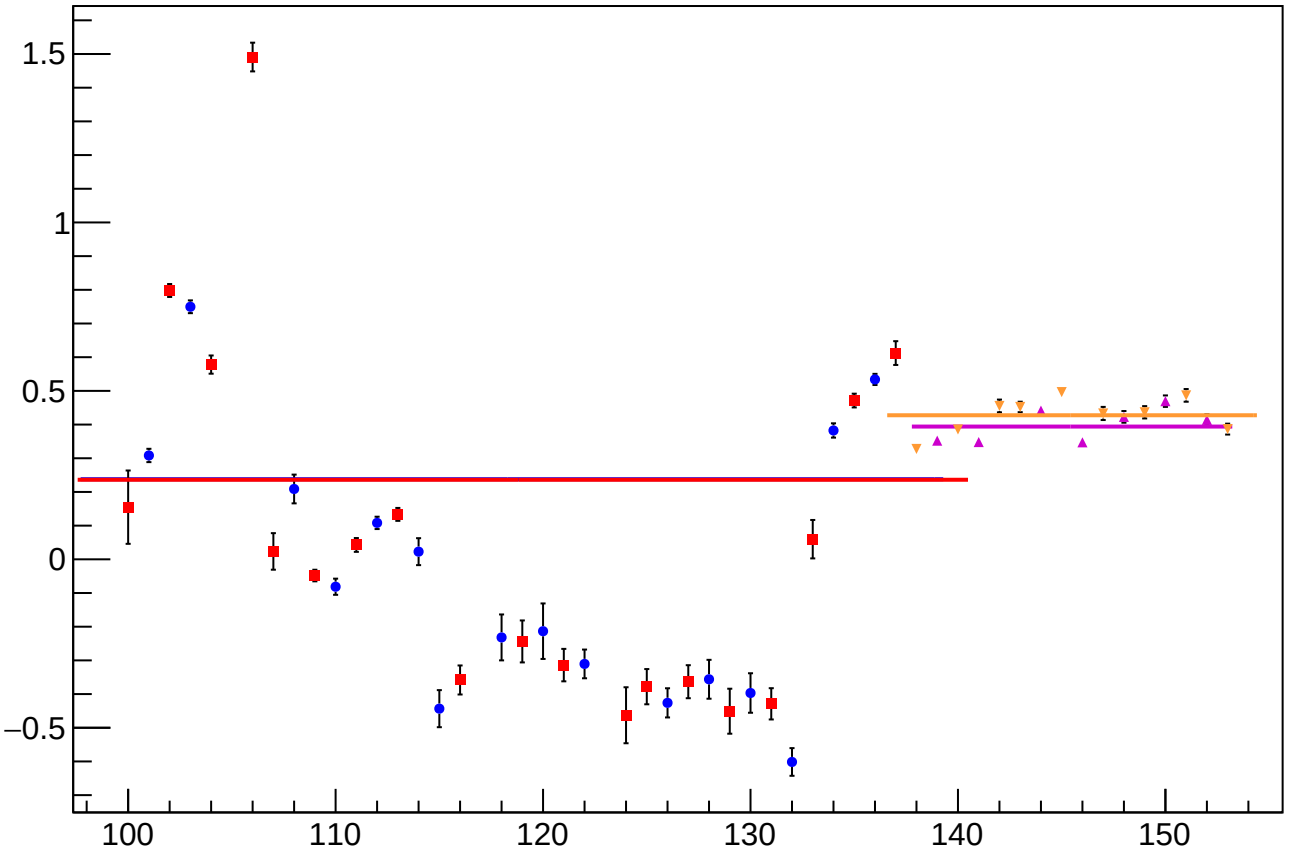
Left: -17.387+/-0.078 χ^2/NDF: 2144.8/15

Right: -16.333+/-0.089 χ^2/NDF: 1486.0/34

In: -16.976+/-0.085 χ^2/NDF:1575.2/22

Out: -16.887+/-0.081 χ^2/NDF:2134.3/27

All: -16.929+/-0.059 χ^2/NDF: 3710.0/50



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.428+/-0.005 χ^2/NDF:122.3/8

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

Left In: 0.394+/-0.006 χ^2/NDF:70.5/6

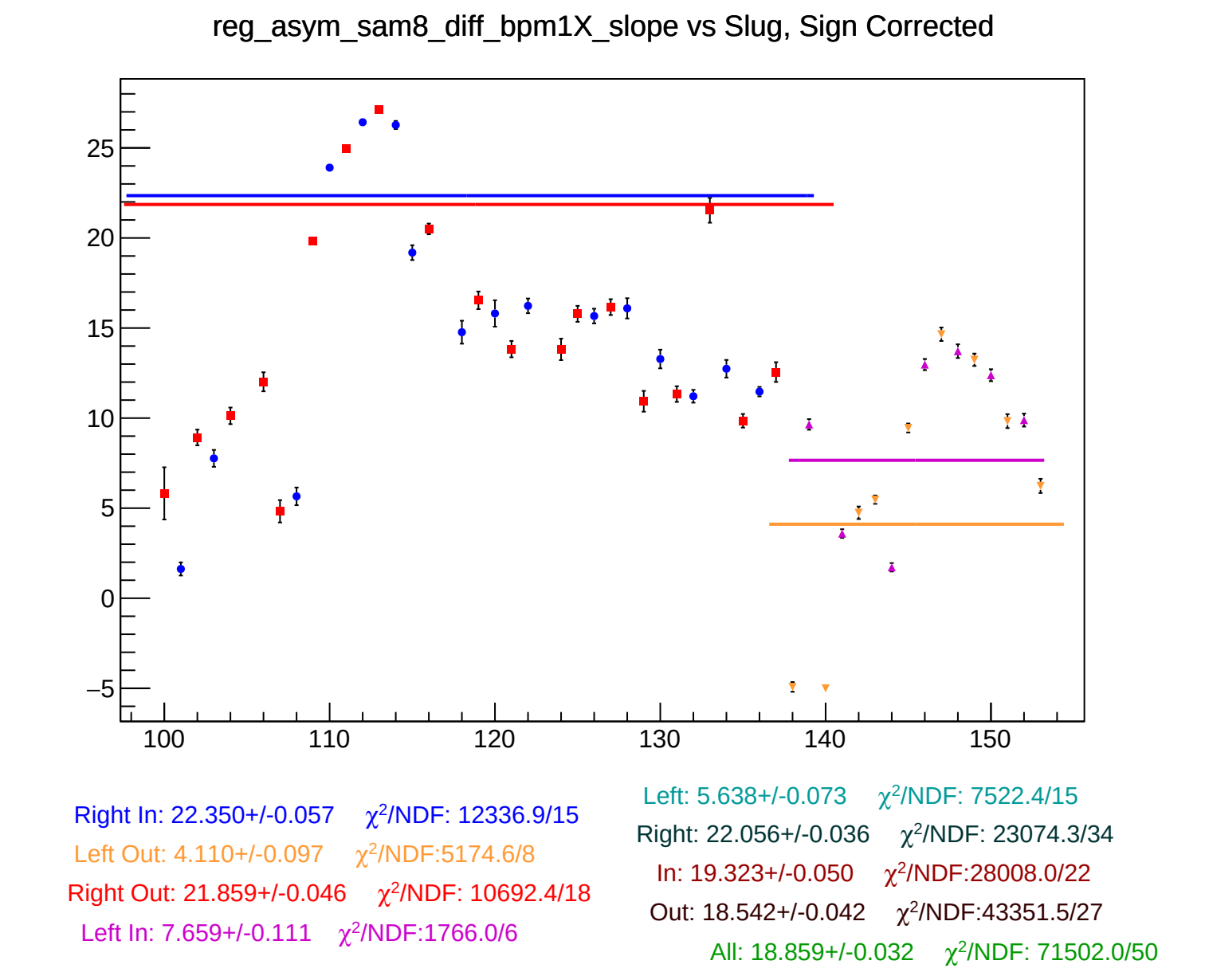
Left: 0.412+/-0.004 χ^2/NDF: 212.9/15

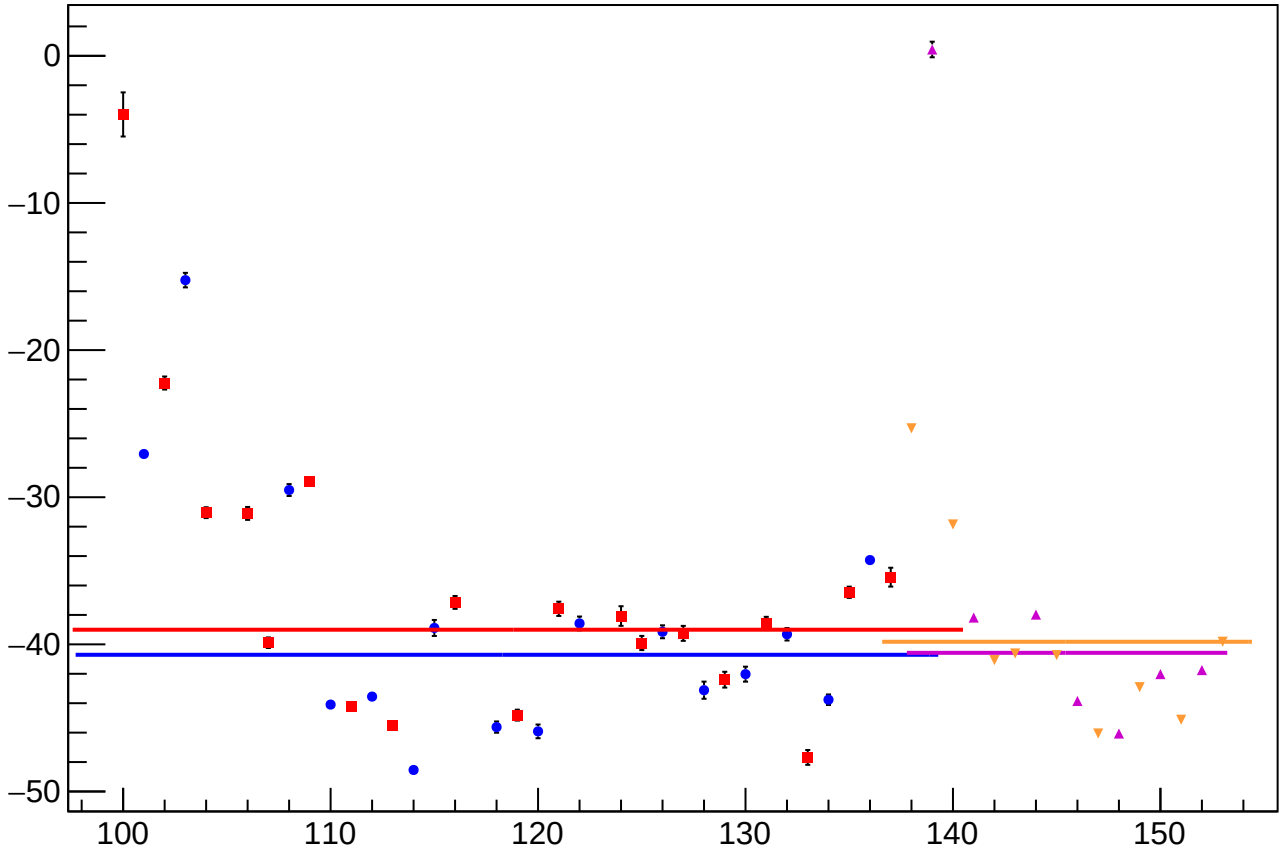
Right: 0.237+/-0.005 χ^2/NDF: 6227.9/34

In: 0.335+/-0.004 χ^2/NDF:3008.3/22

Out: 0.363+/-0.004 χ^2/NDF:4198.9/27

All: 0.350+/-0.003 χ^2/NDF: 7228.4/50


reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected
25
20
15
10
5
0
−5
100
110
120
130
140
150
Right In: 22.350+/-0.057 χ²/NDF: 12336.9/15
Left Out: 4.110+/-0.097 χ²/NDF:5174.6/8
Right Out: 21.859+/-0.046 χ²/NDF: 10692.4/18
Left In: 7.659+/-0.111 χ²/NDF:1766.0/6
Left: 5.638+/-0.073 χ²/NDF: 7522.4/15
Right: 22.056+/-0.036 χ²/NDF: 23074.3/34
In: 19.323+/-0.050 χ²/NDF:28008.0/22
Out: 18.542+/-0.042 χ²/NDF:43351.5/27
All: 18.859+/-0.032 χ²/NDF: 71502.0/50



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -39.824+/-0.068 χ^2/NDF:7308.5/8

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

Left In: -40.576+/-0.077 χ^2/NDF:7676.3/6

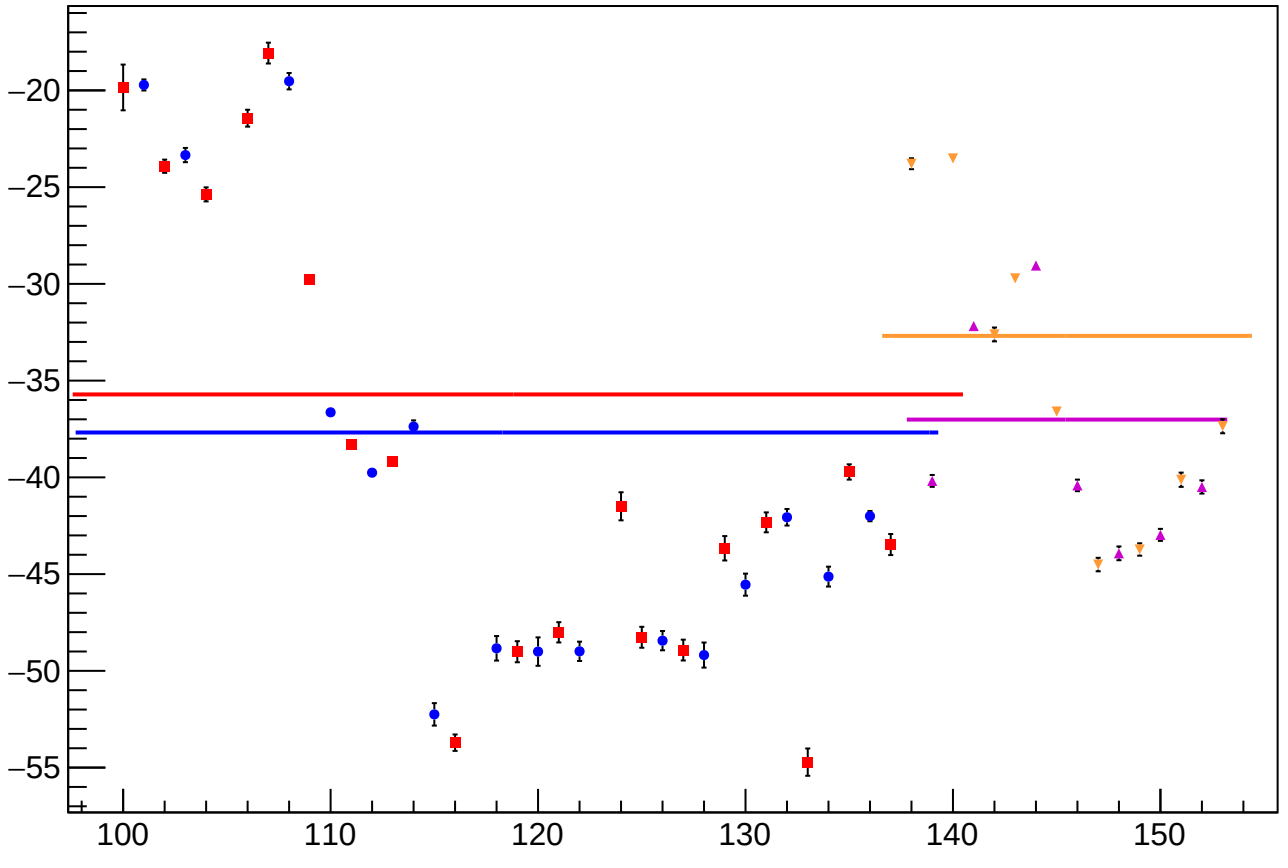
Left: -40.151+/-0.051 χ^2/NDF: 15038.1/15

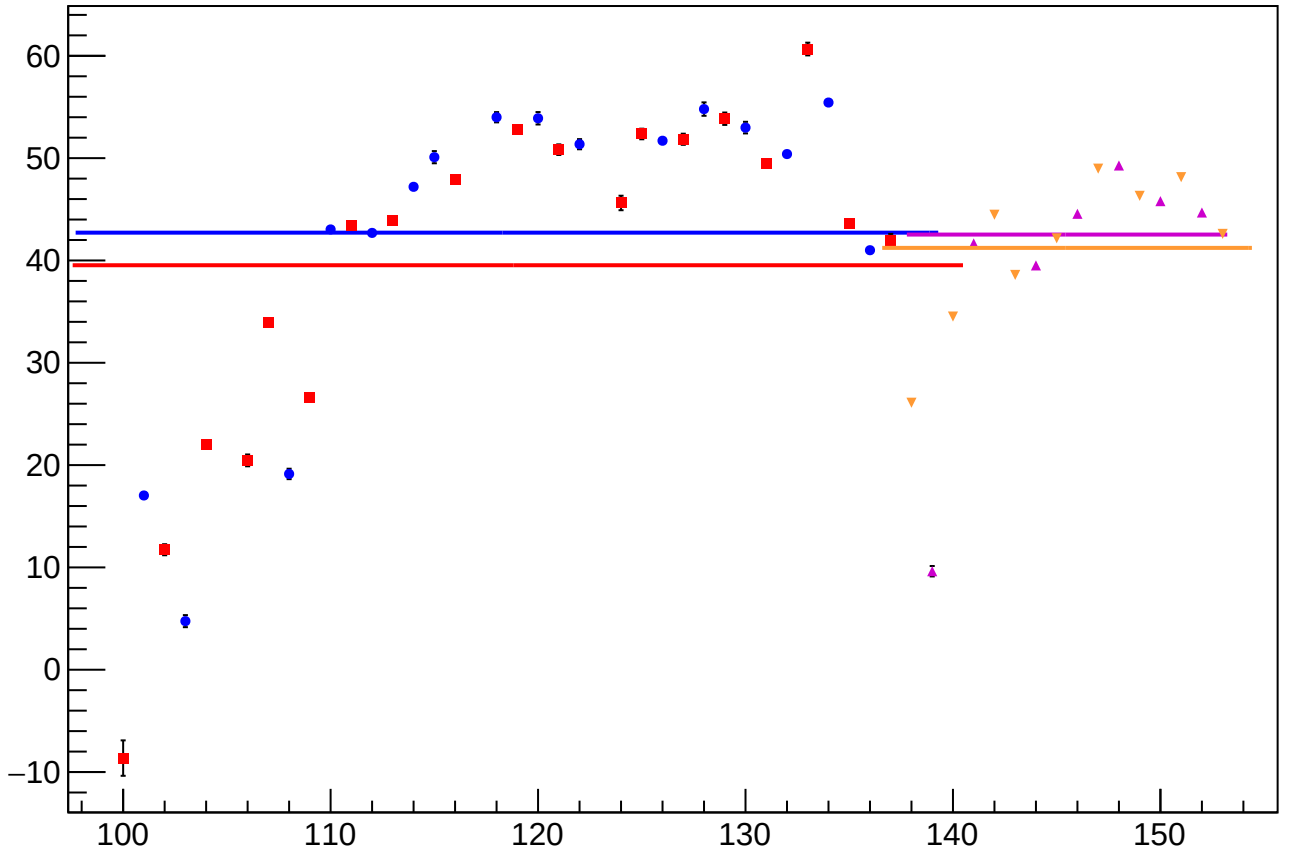
Right: -39.794+/-0.052 χ^2/NDF: 18148.1/34

In: -40.643+/-0.054 χ^2/NDF:15458.2/22

Out: -39.432+/-0.049 χ^2/NDF:17479.2/27

All: -39.976+/-0.036 χ^2/NDF: 33210.2/50


reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected
−20
−25
−30
−35
−40
−45
−50
−55
100
110
120
130
140
150
Right In: -37.681+/-0.074 χ²/NDF: 10853.9/15
Left Out: -32.687+/-0.097 χ²/NDF:6014.8/8
Right Out: -35.714+/-0.064 χ²/NDF: 13274.5/18
Left In: -37.014+/-0.110 χ²/NDF:2566.2/6
Left: -34.572+/-0.073 χ²/NDF: 9450.0/15
Right: -36.564+/-0.048 χ²/NDF: 24532.6/34
In: -37.475+/-0.061 χ²/NDF:13445.4/22
Out: -34.787+/-0.054 χ²/NDF:19966.7/27
All: -35.951+/-0.040 χ²/NDF: 34501.5/50



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 41.229+/-0.082 χ^2/NDF:5971.3/8

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

Left In: 42.531+/-0.094 χ^2/NDF:5438.4/6

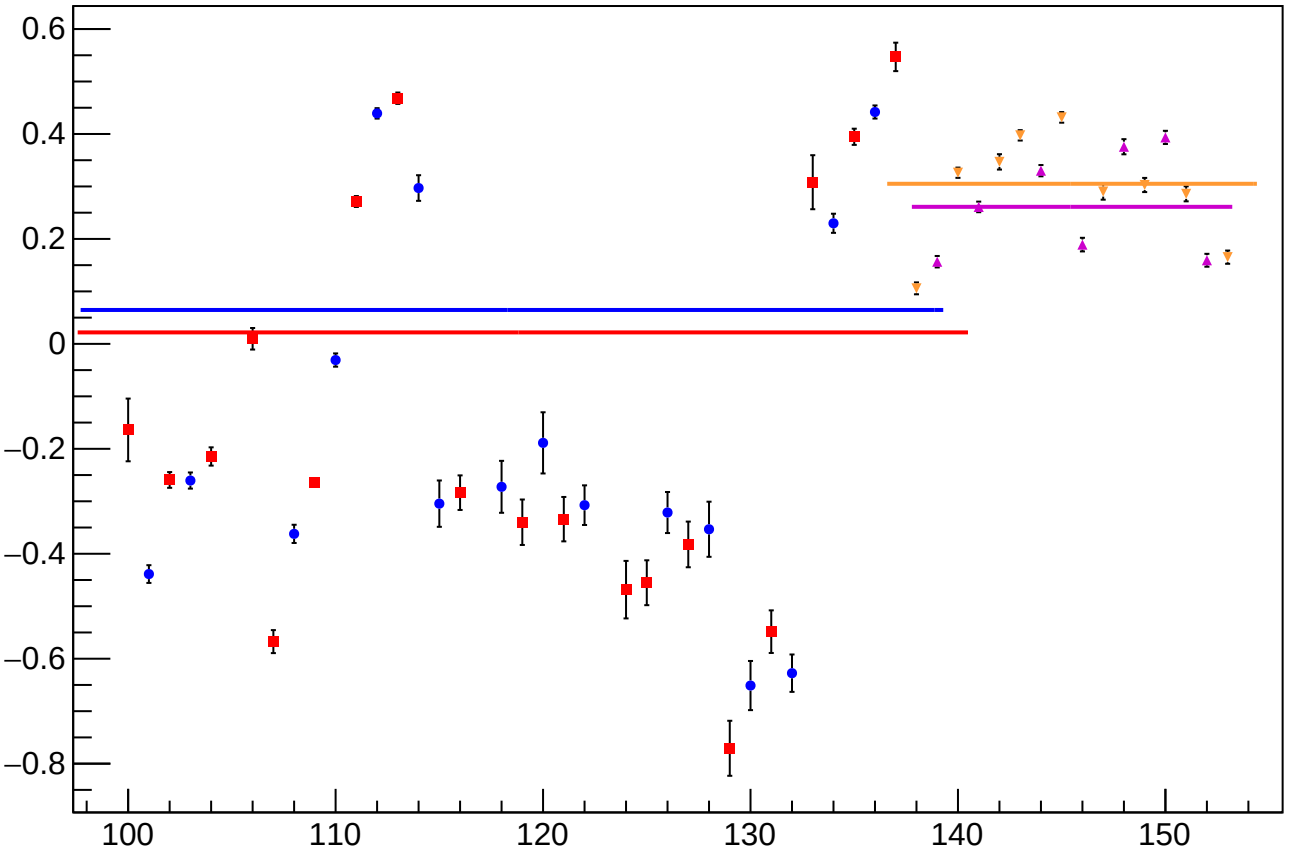
Left: 41.795+/-0.062 χ^2/NDF: 11518.3/15

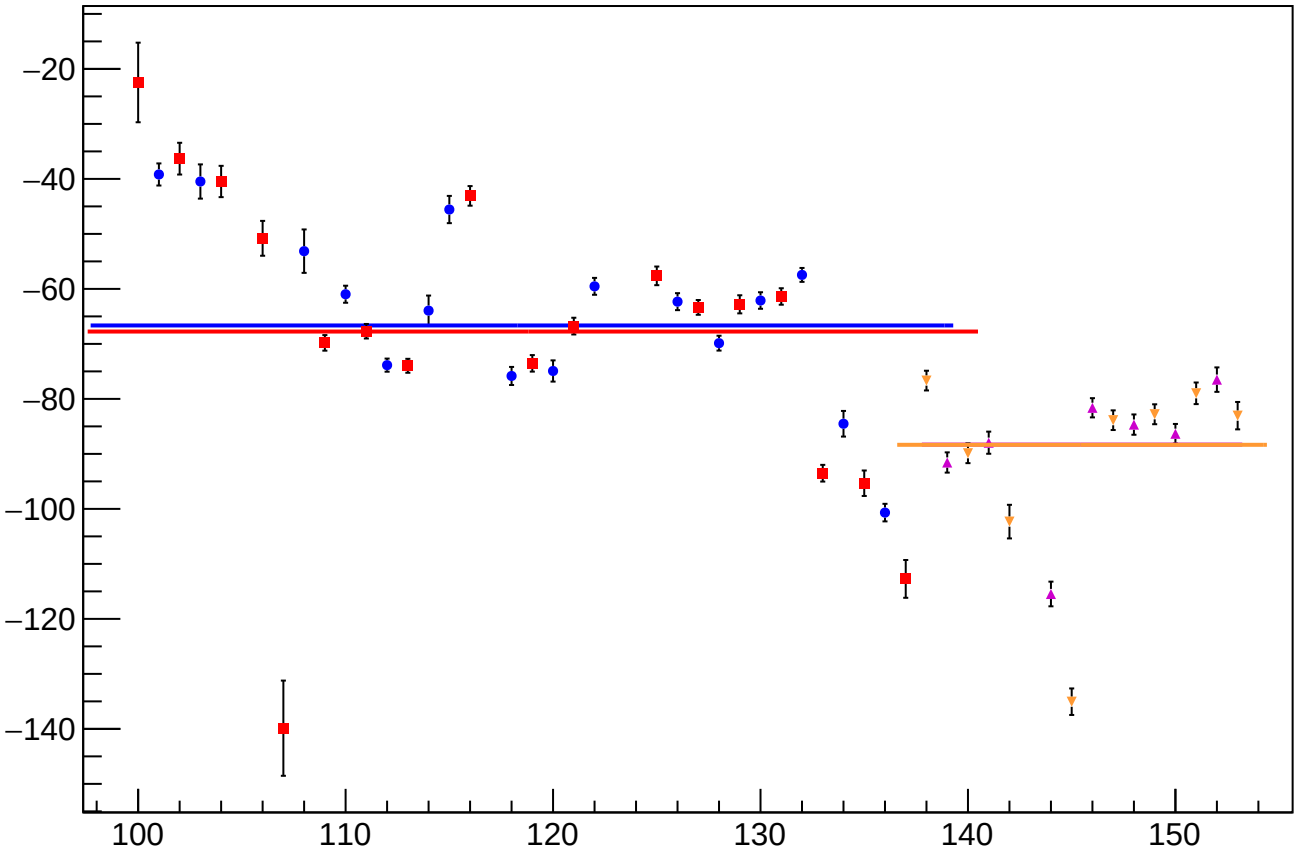
Right: 40.991+/-0.058 χ^2/NDF: 33503.2/34

In: 42.634+/-0.063 χ^2/NDF:20205.5/22

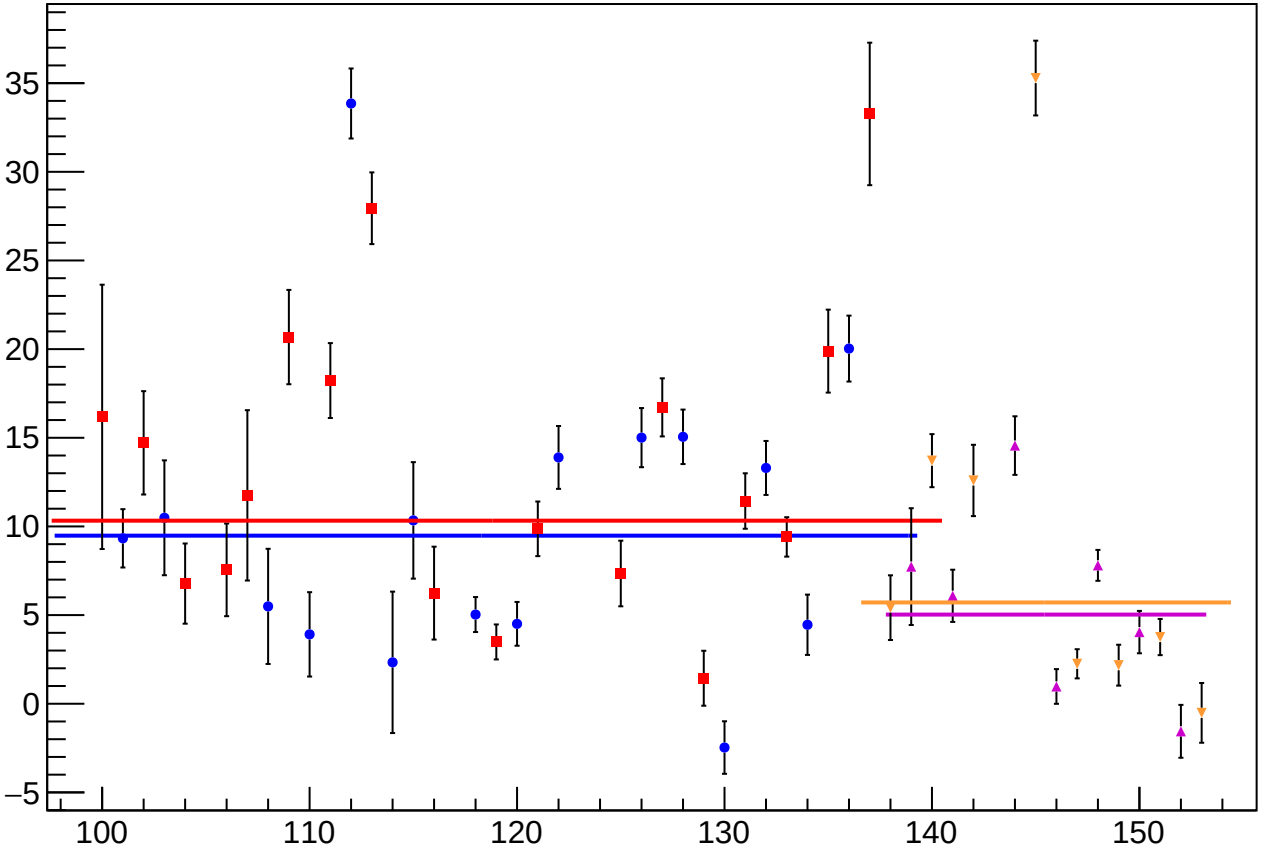
Out: 40.337+/-0.057 χ^2/NDF:24172.5/27

All: 41.364+/-0.042 χ^2/NDF: 45111.8/50


reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
Right In: 0.065+/-0.005 χ²/NDF: 5497.5/15
Left Out: 0.305+/-0.004 χ²/NDF:688.8/8
Right Out: 0.022+/-0.004 χ²/NDF: 6405.3/18
Left In: 0.261+/-0.004 χ²/NDF:405.7/6
Left: 0.286+/-0.003 χ²/NDF: 1148.8/15
Right: 0.041+/-0.003 χ²/NDF: 11945.6/34
In: 0.171+/-0.003 χ²/NDF:6797.0/22
Out: 0.178+/-0.003 χ²/NDF:9388.5/27
All: 0.175+/-0.002 χ²/NDF: 16187.7/50


reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
Right In: -66.648+/-0.426 χ²/NDF: 1052.4/15
Left Out: -88.350+/-0.718 χ²/NDF:482.2/7
Right Out: -67.755+/-0.419 χ²/NDF: 1255.4/17
Left In: -88.312+/-0.729 χ²/NDF:197.8/6
Left: -88.331+/-0.512 χ²/NDF: 680.1/14
Right: -67.210+/-0.299 χ²/NDF: 2311.2/33
In: -72.160+/-0.368 χ²/NDF:1907.9/22
Out: -72.991+/-0.362 χ²/NDF:2350.4/25
All: -72.582+/-0.258 χ²/NDF: 4260.9/48

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 5.713+/-0.458 χ^2/NDF:281.5/7

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

Left In: 5.029+/-0.475 χ^2/NDF:82.0/6

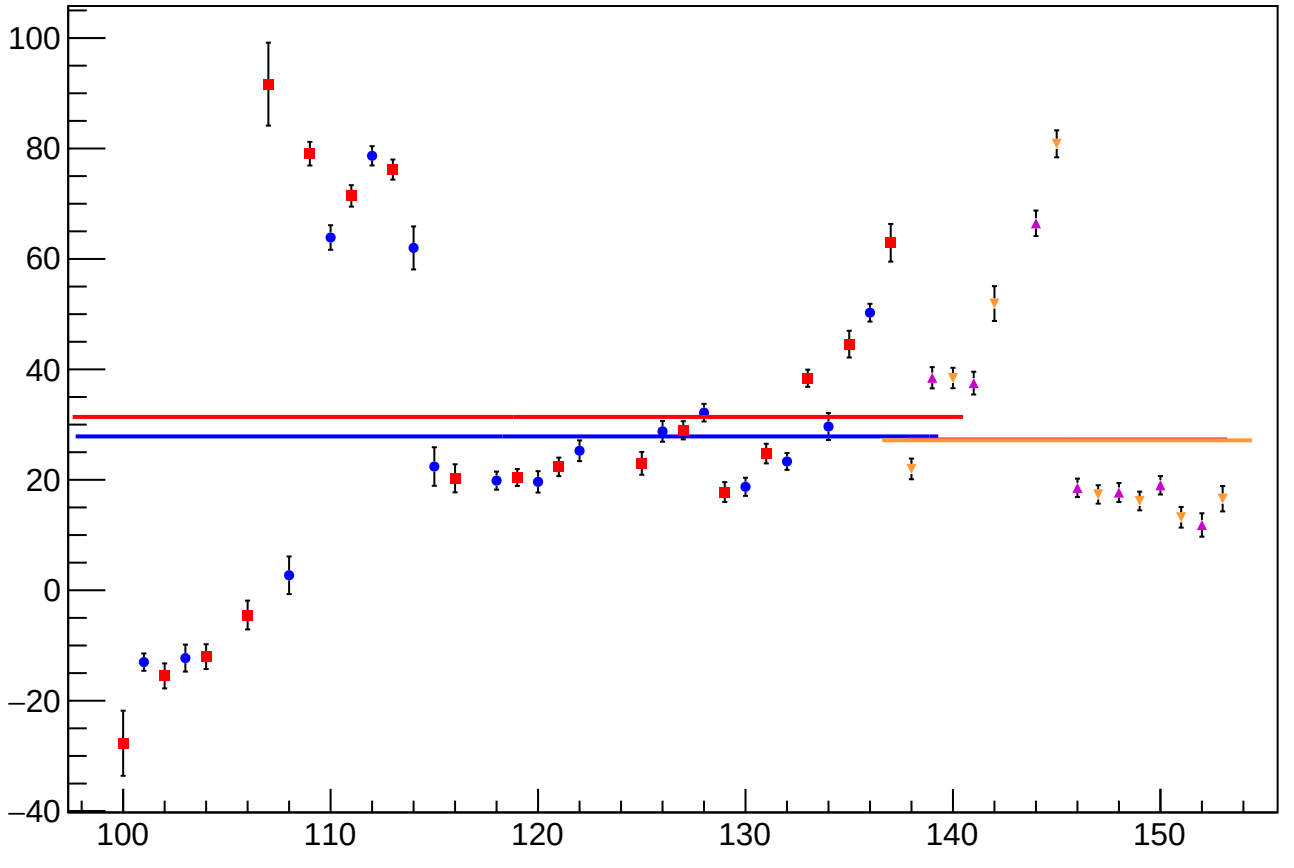
Left: 5.383+/-0.330 χ^2/NDF: 364.6/14

Right: 9.895+/-0.305 χ^2/NDF: 607.3/33

In: 7.485+/-0.318 χ^2/NDF:472.4/22

Out: 8.136+/-0.316 χ^2/NDF:598.1/25

All: 7.813+/-0.224 χ^2/NDF: 1072.6/48



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 27.153+/-0.702 χ^2/NDF:744.0/7

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

Left In: 27.301+/-0.713 χ^2/NDF:482.3/6

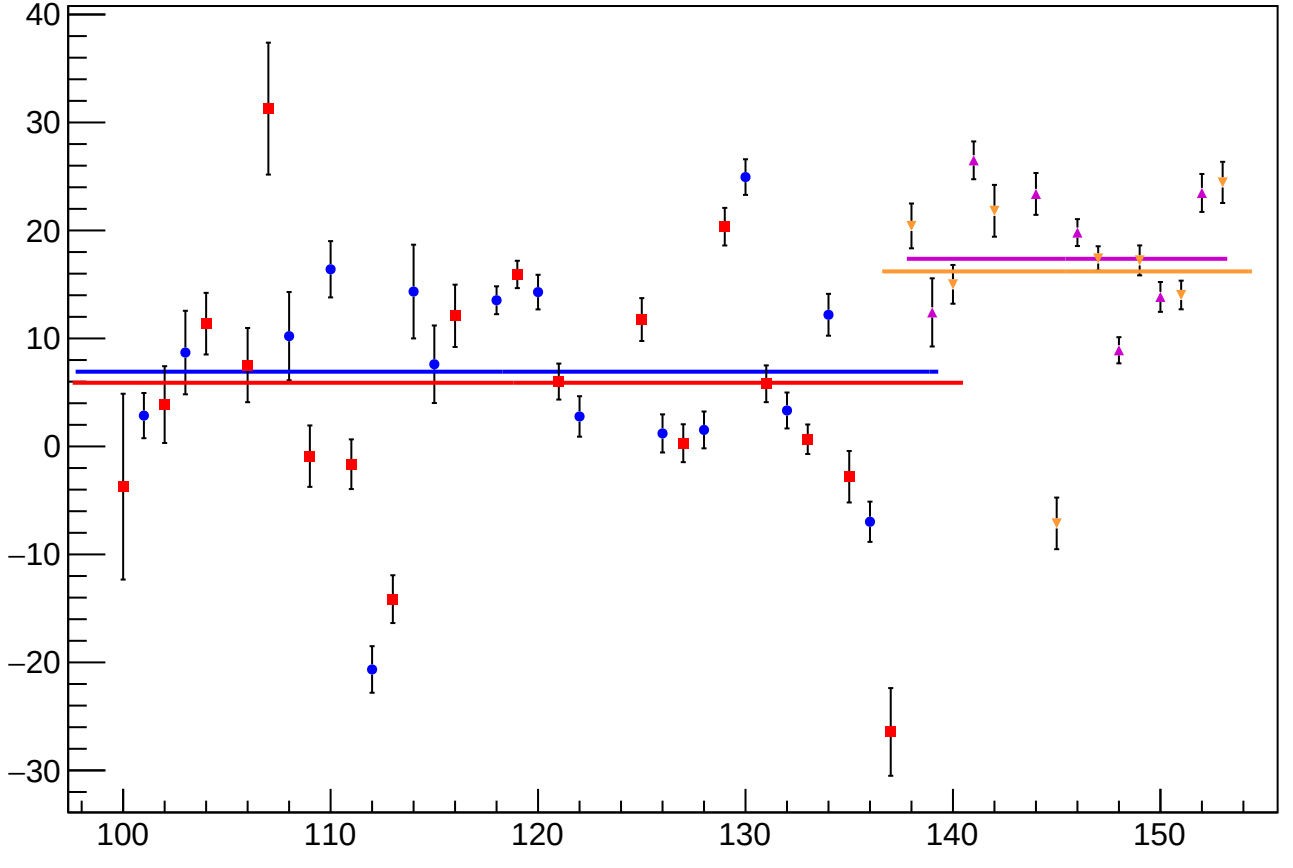
Left: 27.226+/-0.500 χ^2/NDF: 1226.4/14

Right: 29.608+/-0.343 χ^2/NDF: 5511.9/33

In: 27.684+/-0.399 χ^2/NDF:2956.7/22

Out: 30.014+/-0.400 χ^2/NDF:3780.1/25

All: 28.846+/-0.283 χ^2/NDF: 6753.8/48



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 16.208+/-0.573 χ^2/NDF:128.4/7

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

Left In: 17.374+/-0.591 χ^2/NDF:110.4/6

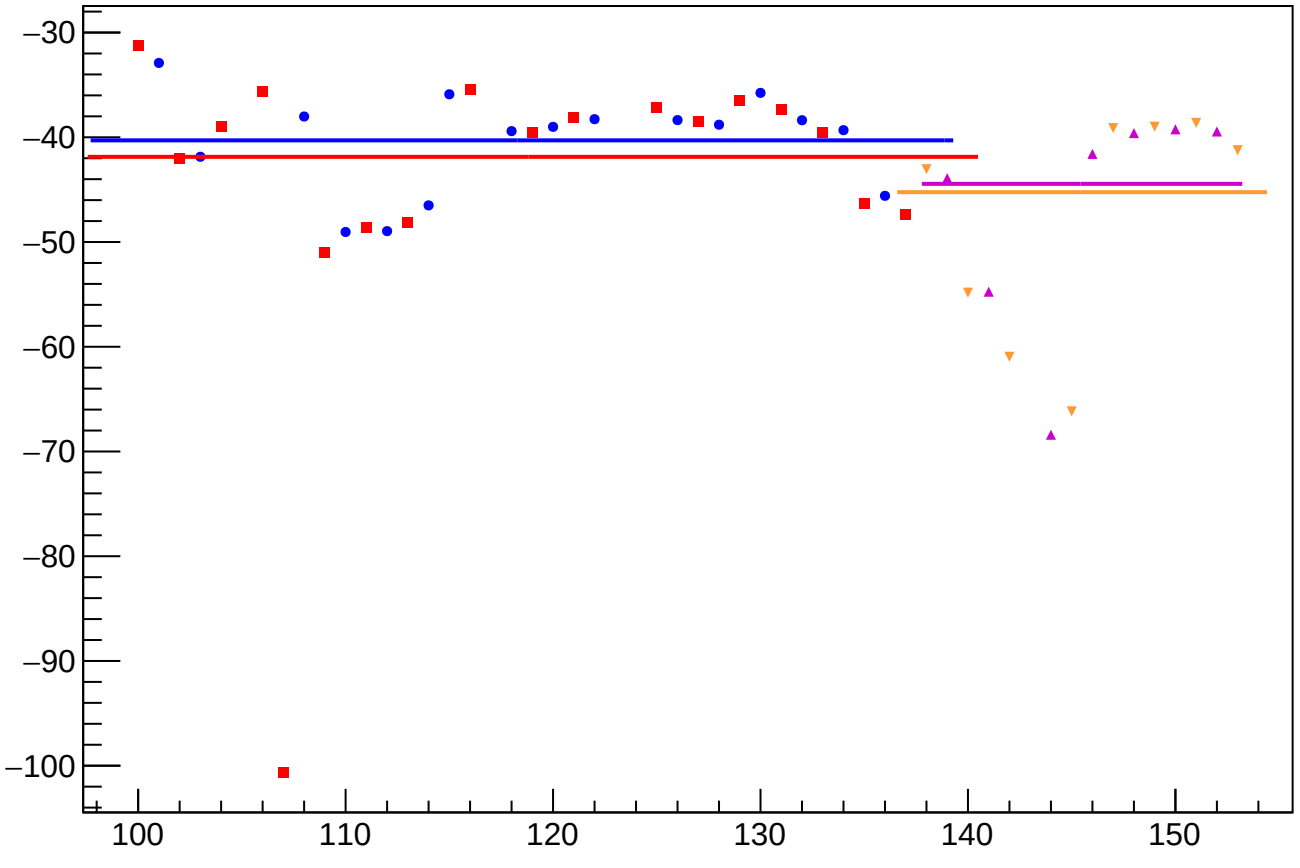
Left: 16.773+/-0.412 χ^2/NDF: 240.9/14

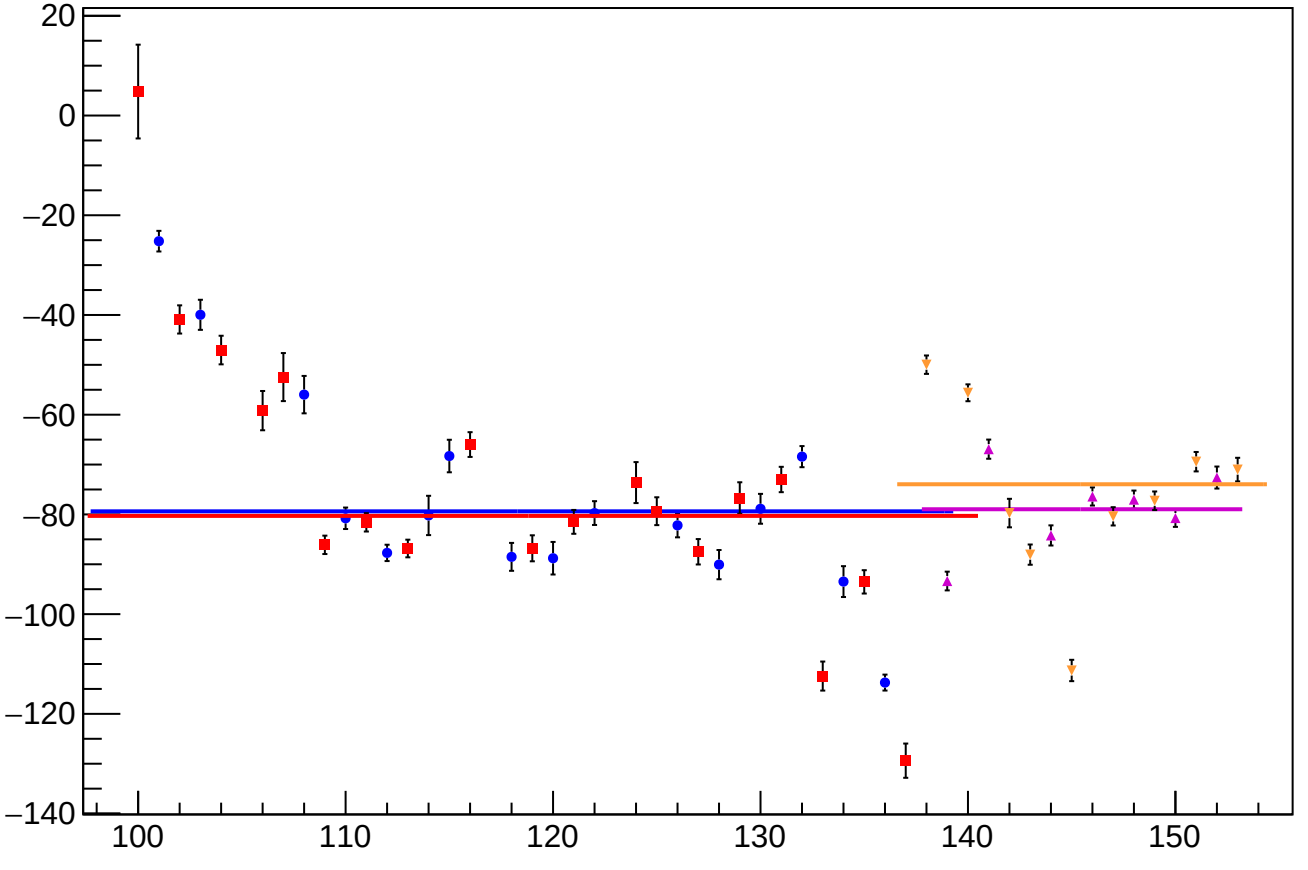
Right: 6.415+/-0.353 χ^2/NDF: 814.1/33

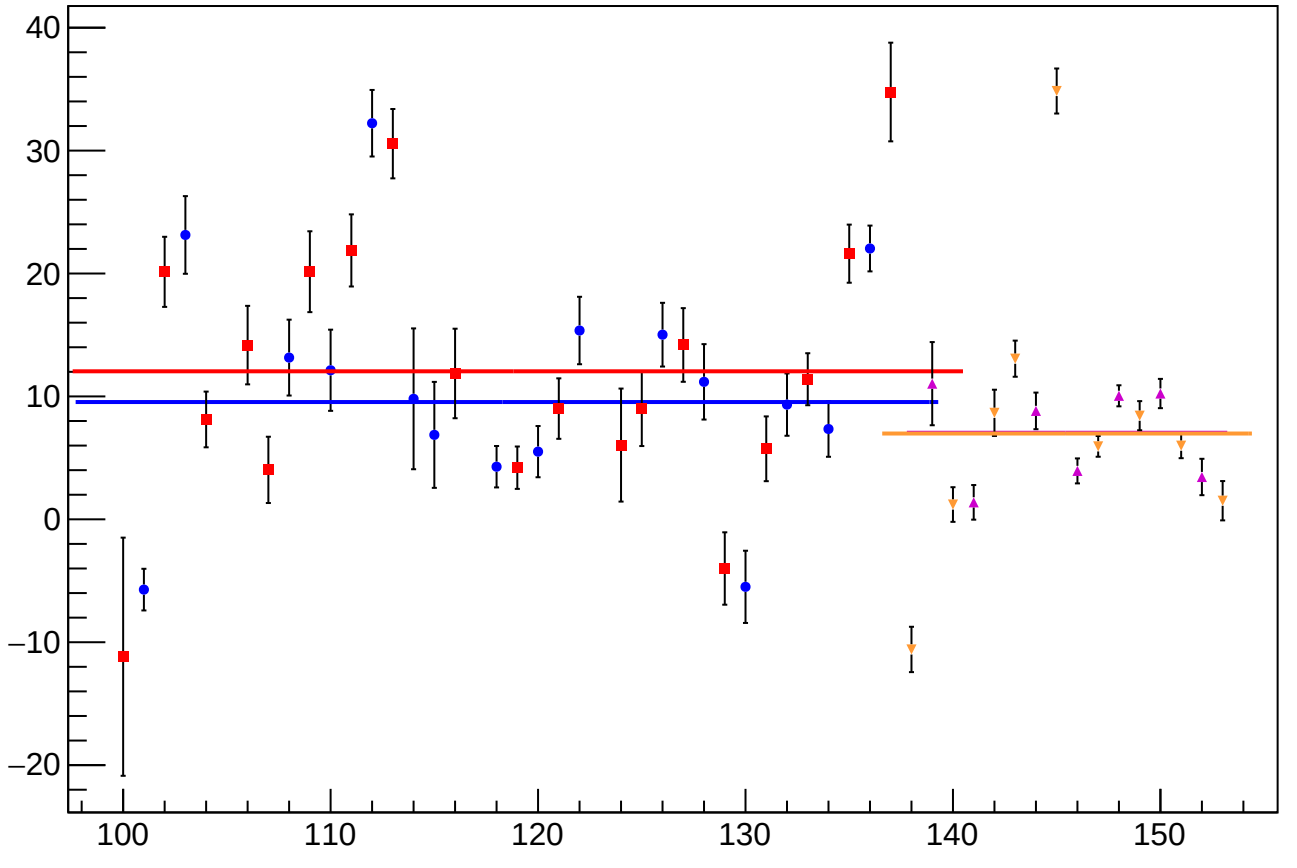
In: 11.238+/-0.380 χ^2/NDF:738.4/22

Out: 10.367+/-0.378 χ^2/NDF:679.2/25

All: 10.800+/-0.268 χ^2/NDF: 1420.3/48


reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected
−30
−40
−50
−60
−70
−80
−90
−100
100
110
120
130
140
150
Right In: -40.293+/-0.031 χ²/NDF: 20663.5/15
Left Out: -45.241+/-0.029 χ²/NDF:101670.2/7
Right Out: -41.867+/-0.032 χ²/NDF: 58734.8/17
Left In: -44.445+/-0.028 χ²/NDF:84869.2/6
Left: -44.840+/-0.020 χ²/NDF: 186928.1/14
Right: -41.063+/-0.022 χ²/NDF: 80626.6/33
In: -42.576+/-0.021 χ²/NDF:115148.5/22
Out: -43.746+/-0.021 χ²/NDF:166554.7/25
All: -43.153+/-0.015 χ²/NDF: 283222.8/48


reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
Right In: -79.382+/-0.611 χ²/NDF: 1475.9/15
Left Out: -73.951+/-0.666 χ²/NDF:665.7/8
Right Out: -80.294+/-0.604 χ²/NDF: 914.7/18
Left In: -78.963+/-0.720 χ²/NDF:117.1/6
Left: -76.261+/-0.489 χ²/NDF: 808.8/15
Right: -79.844+/-0.430 χ²/NDF: 2391.7/34
In: -79.207+/-0.466 χ²/NDF:1593.2/22
Out: -77.432+/-0.447 χ²/NDF:1630.1/27
All: -78.284+/-0.323 χ²/NDF: 3230.8/50



Right In: 9.543+/-0.621 χ^2/NDF: 267.1/15

Left Out: 6.981+/-0.434 χ^2/NDF:372.5/8

Right Out: 12.044+/-0.637 χ^2/NDF: 195.8/18

Left In: 7.043+/-0.470 χ^2/NDF:53.7/6

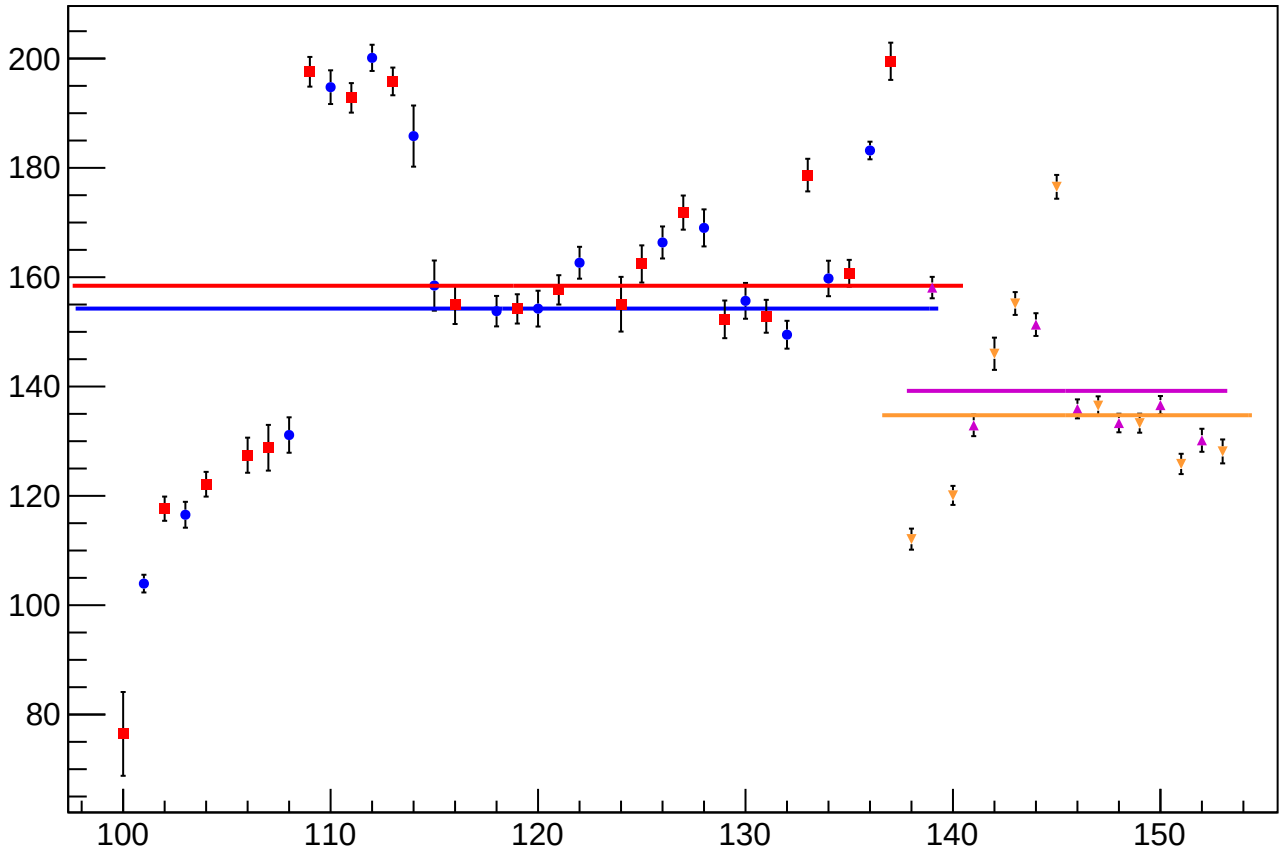
Left: 7.010+/-0.319 χ^2/NDF: 426.3/15

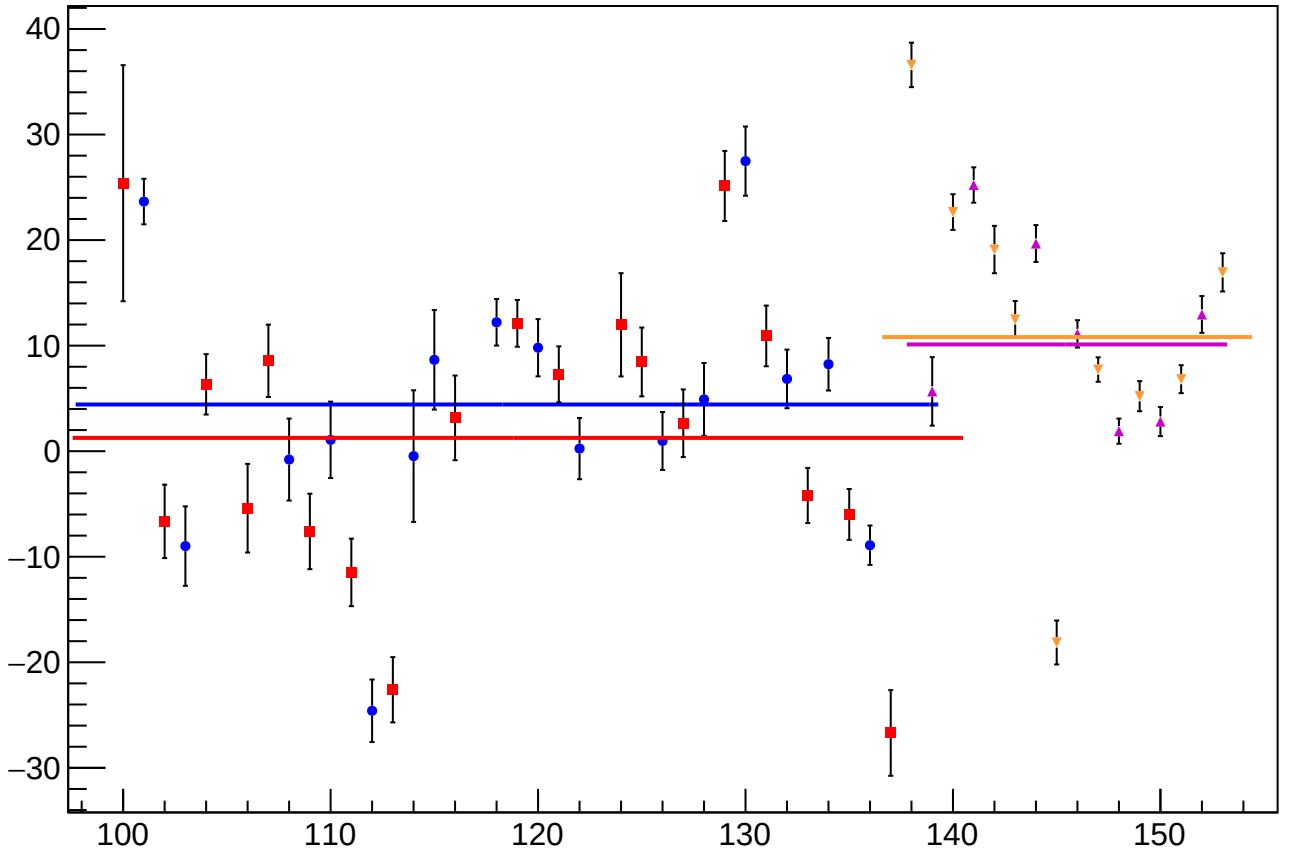
Right: 10.762+/-0.445 χ^2/NDF: 470.8/34

In: 7.952+/-0.375 χ^2/NDF:331.1/22

Out: 8.585+/-0.359 χ^2/NDF:611.5/27

All: 8.283+/-0.259 χ^2/NDF: 944.1/50


reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected
200
180
160
140
120
100
80
100
110
120
130
140
150
Right In: 154.260+/-0.662 χ²/NDF: 2213.7/15
Left Out: 134.748+/-0.656 χ²/NDF:721.9/8
Right Out: 158.435+/-0.683 χ²/NDF: 1664.2/18
Left In: 139.205+/-0.705 χ²/NDF:173.7/6
Left: 136.816+/-0.480 χ²/NDF: 917.1/15
Right: 156.282+/-0.475 χ²/NDF: 3897.2/34
In: 147.204+/-0.482 χ²/NDF:2630.0/22
Out: 146.115+/-0.473 χ²/NDF:3012.5/27
All: 146.649+/-0.338 χ²/NDF: 5645.1/50



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 10.812+/-0.538 χ^2/NDF:449.6/8

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

Left In: 10.112+/-0.584 χ^2/NDF:192.2/6

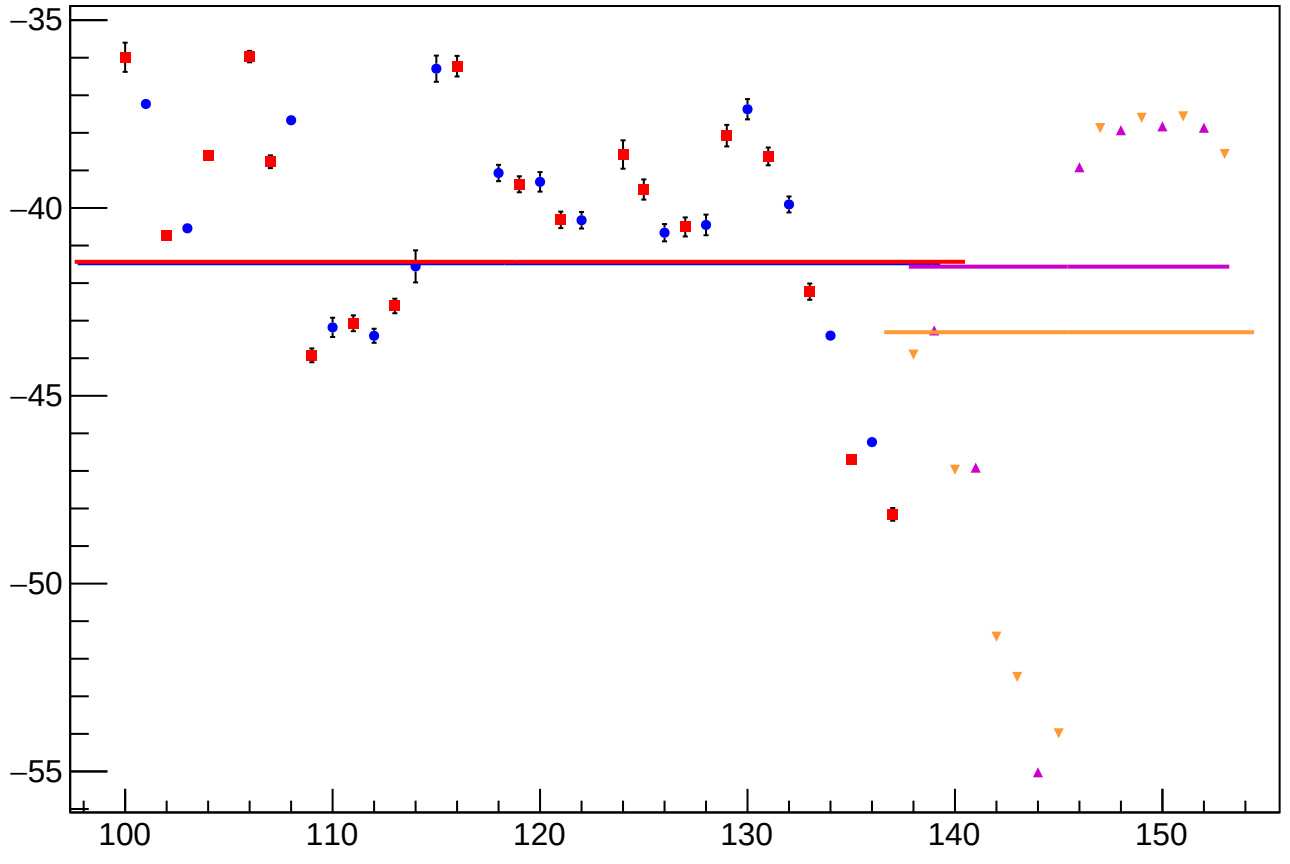
Left: 10.490+/-0.396 χ^2/NDF: 642.5/15

Right: 2.881+/-0.511 χ^2/NDF: 590.5/34

In: 7.833+/-0.452 χ^2/NDF:546.3/22

Out: 7.457+/-0.434 χ^2/NDF:825.1/27

All: 7.638+/-0.313 χ^2/NDF: 1371.7/50



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -43.308+/-0.027 χ^2/NDF:54652.1/8

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

Left In: -41.562+/-0.028 χ^2/NDF:35390.6/6

Left: -42.479+/-0.019 χ^2/NDF: 92060.2/15

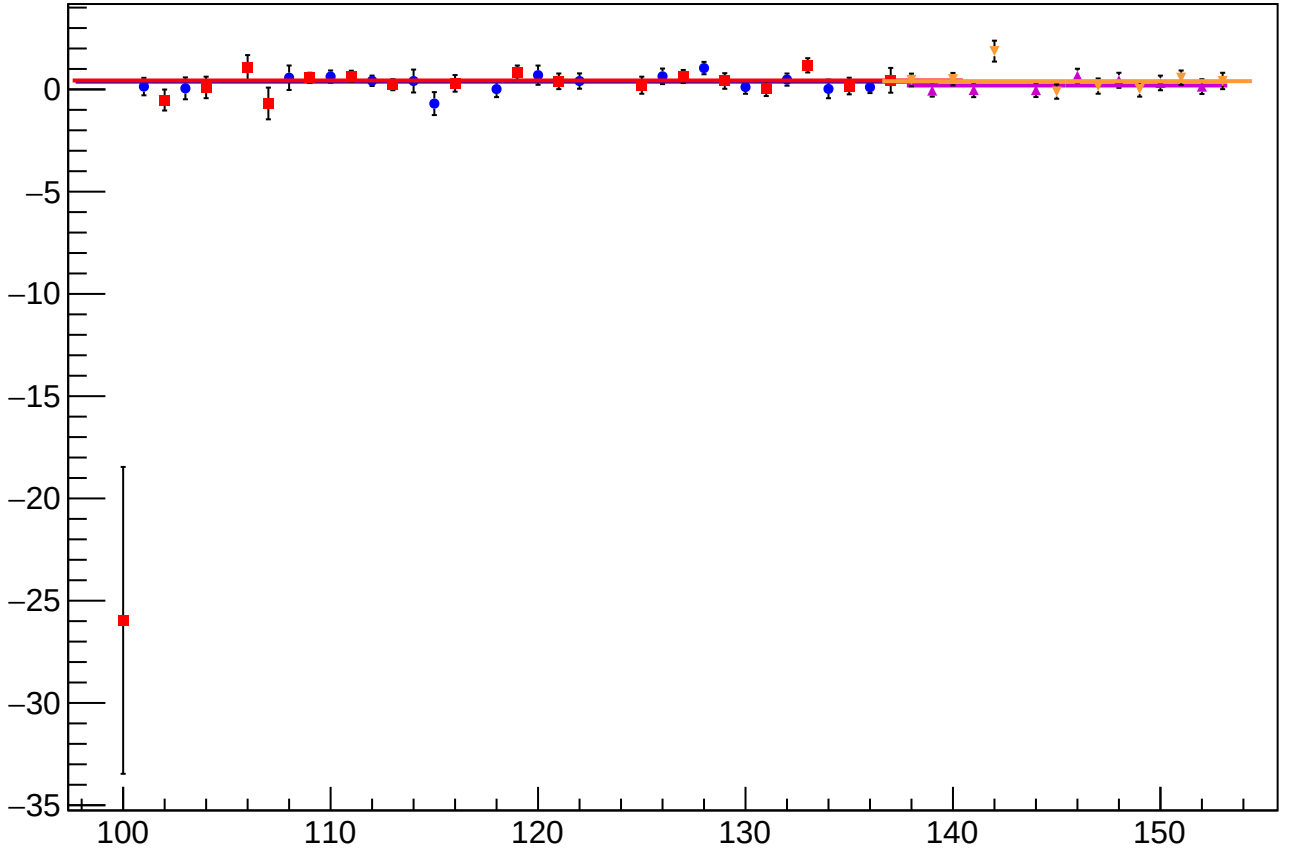
Right: -41.453+/-0.027 χ^2/NDF: 16137.9/34

In: -41.530+/-0.023 χ^2/NDF:43306.2/22

Out: -42.718+/-0.022 χ^2/NDF:64420.3/27

All: -42.136+/-0.016 χ^2/NDF: 109129.7/50

reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.404+/-0.127 χ^2/NDF:12.2/7

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

Left In: 0.191+/-0.130 χ^2/NDF:4.1/6

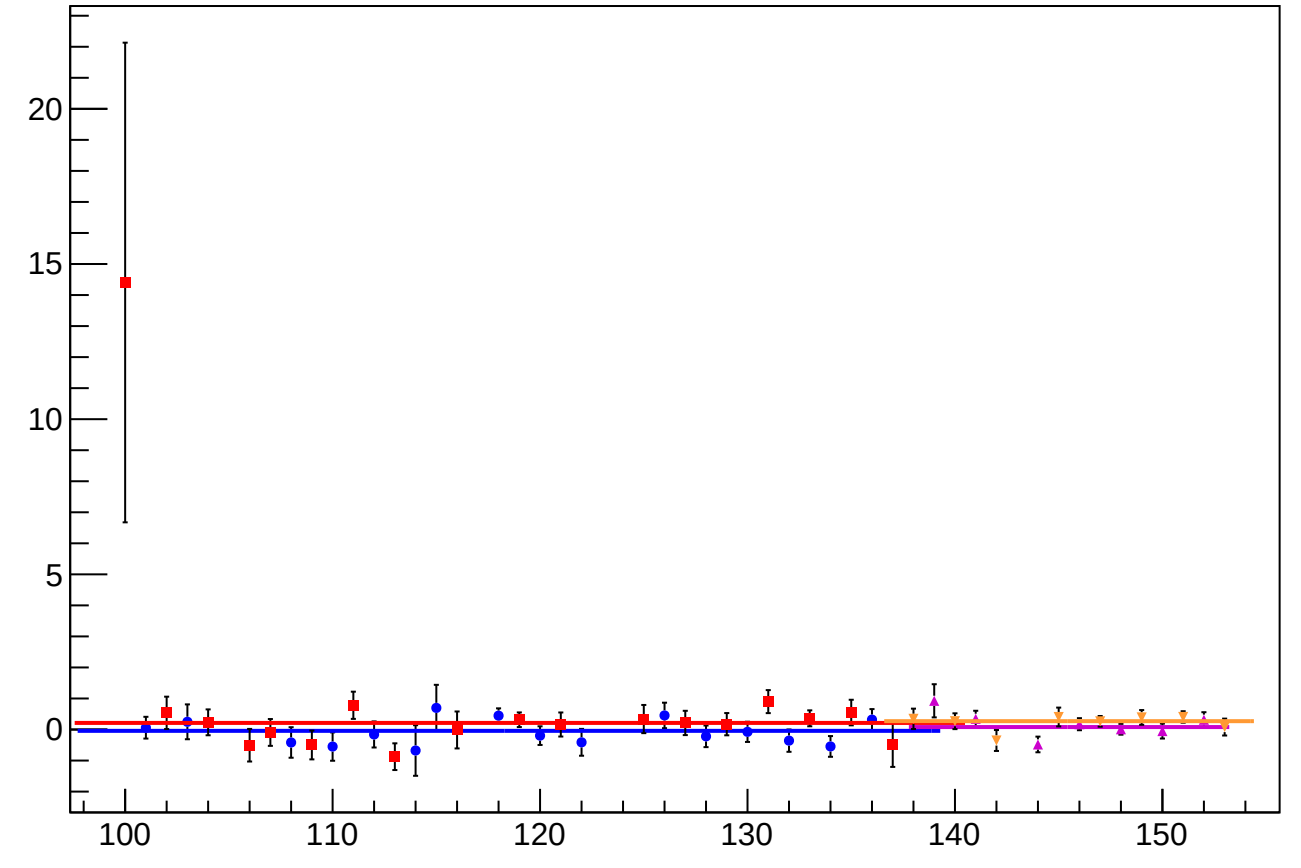
Left: 0.299+/-0.091 χ^2/NDF: 17.7/14

Right: 0.410+/-0.064 χ^2/NDF: 43.2/33

In: 0.318+/-0.075 χ^2/NDF:19.5/22

Out: 0.425+/-0.074 χ^2/NDF:41.2/25

All: 0.373+/-0.053 χ^2/NDF: 61.8/48



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.269+/-0.085 χ^2/NDF:4.9/7

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

Left In: 0.080+/-0.088 χ^2/NDF:10.1/6

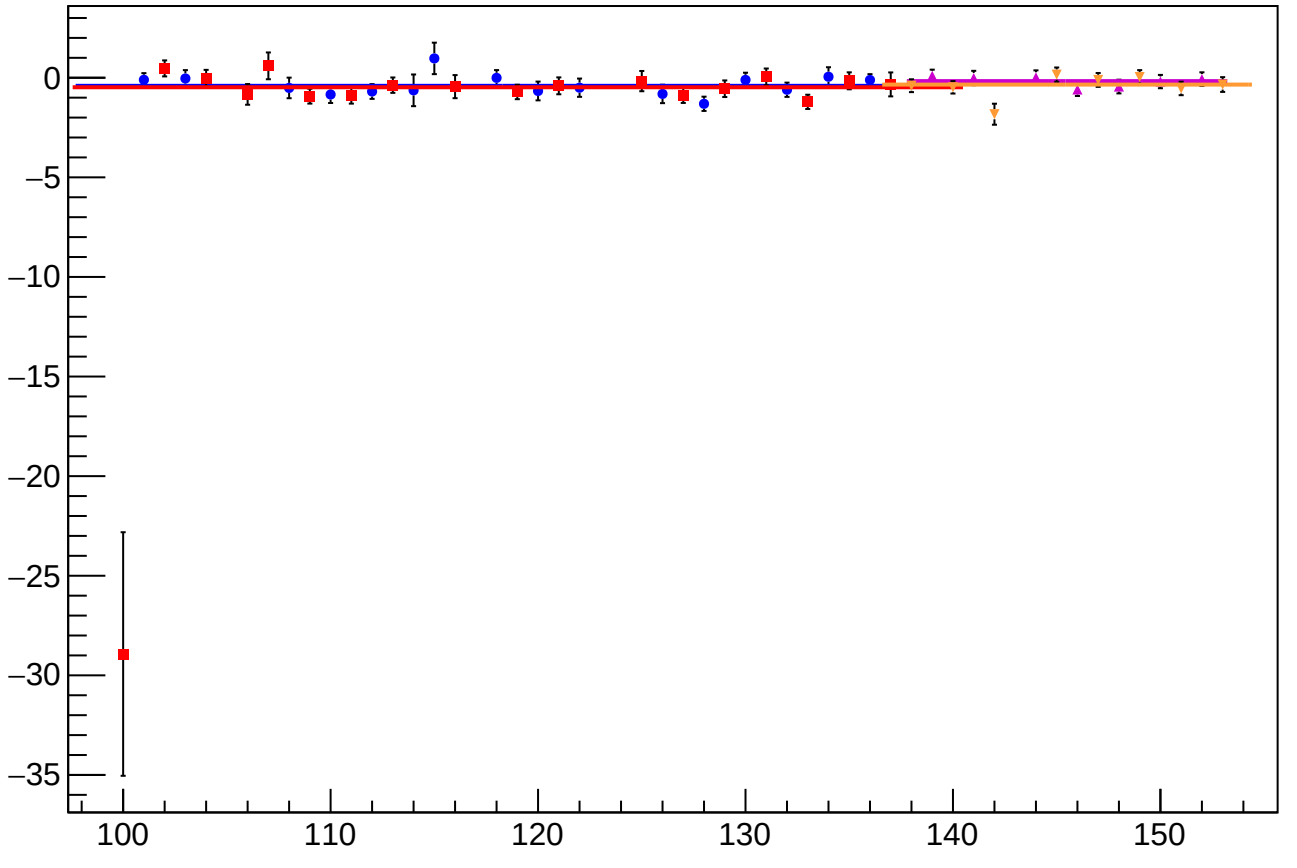
Left: 0.178+/-0.061 χ^2/NDF: 17.5/14

Right: 0.084+/-0.067 χ^2/NDF: 41.1/33

In: 0.022+/-0.064 χ^2/NDF:26.1/22

Out: 0.244+/-0.063 χ^2/NDF:27.6/25

All: 0.135+/-0.045 χ^2/NDF: 59.6/48



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.344+/-0.125 χ^2/NDF:12.1/7

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

Left In: -0.169+/-0.127 χ^2/NDF:3.6/6

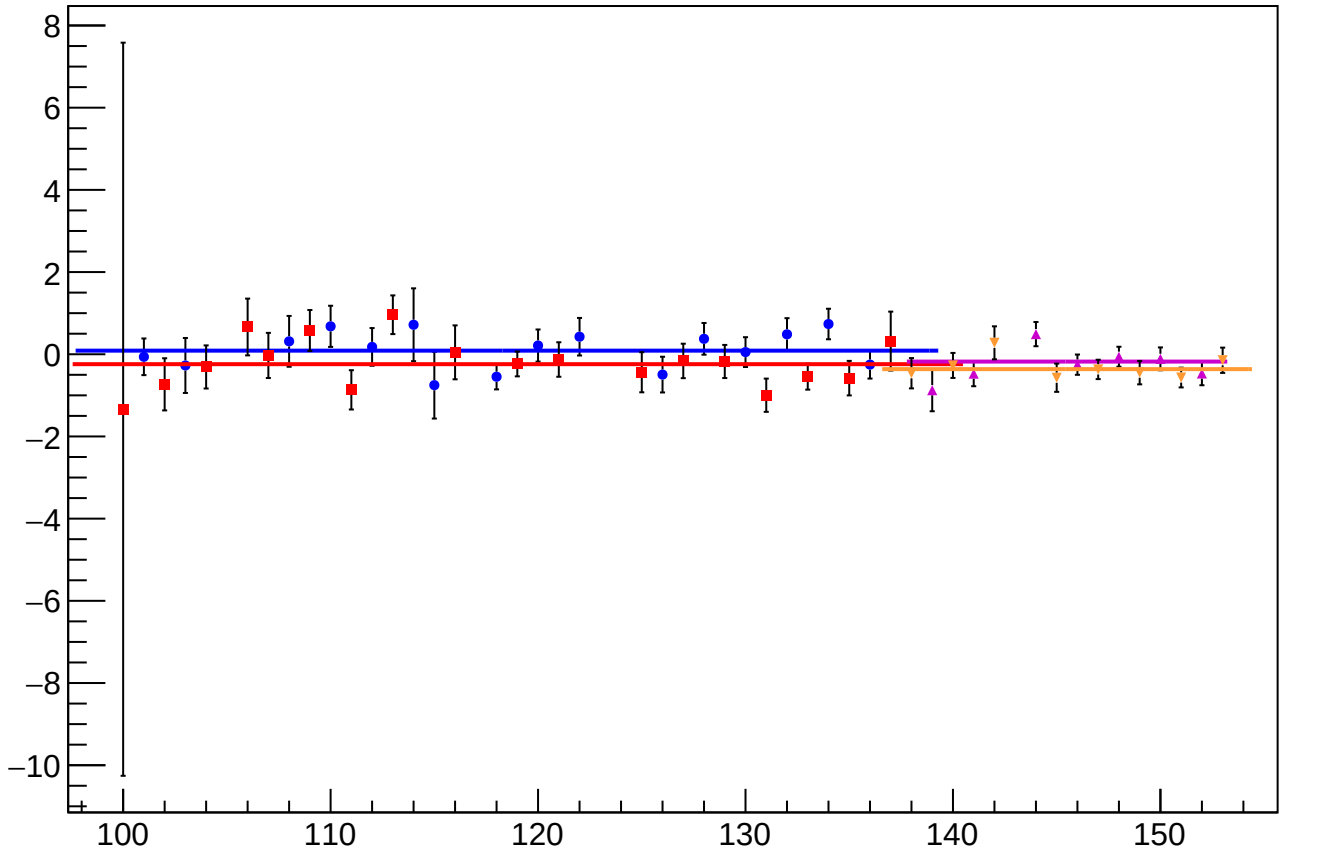
Left: -0.258+/-0.089 χ^2/NDF: 16.6/14

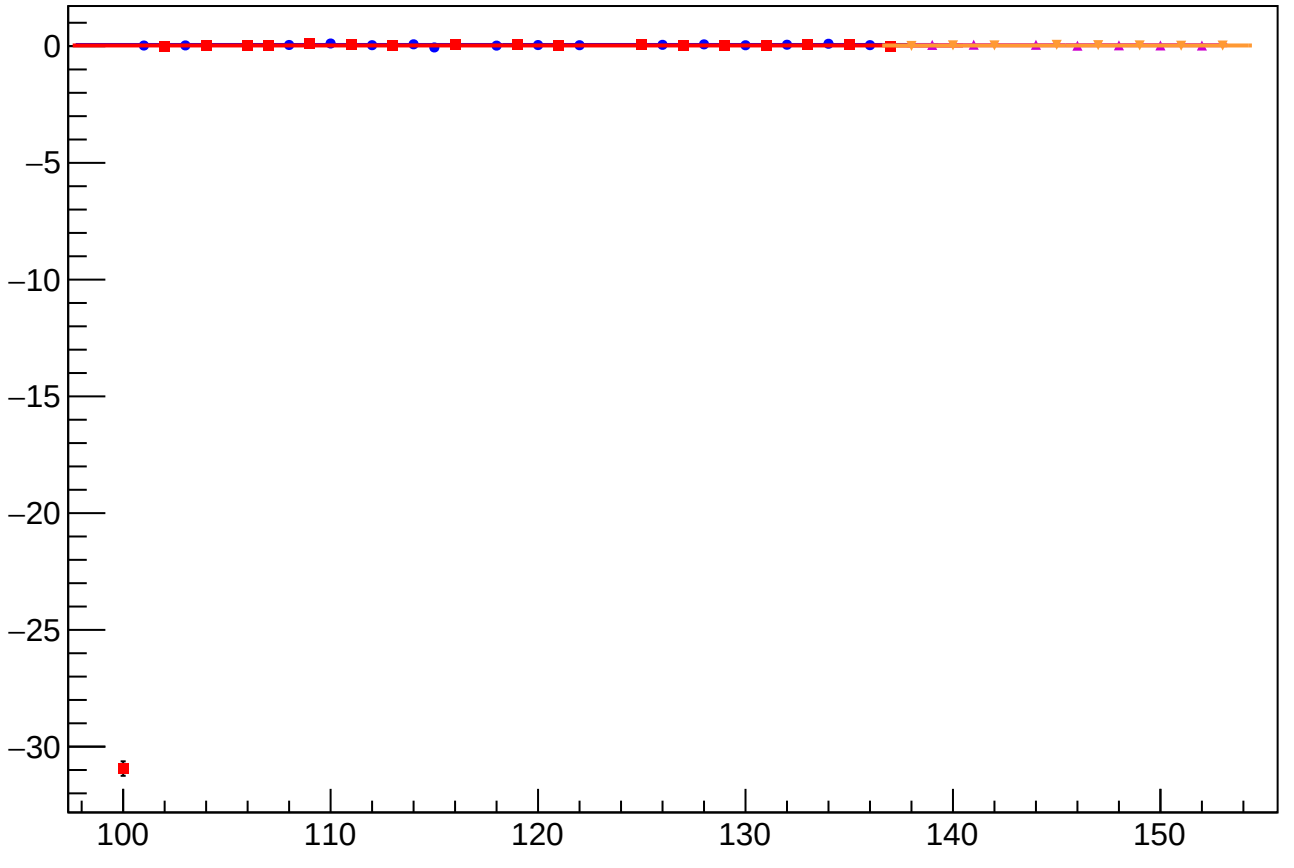
Right: -0.441+/-0.073 χ^2/NDF: 60.3/33

In: -0.312+/-0.080 χ^2/NDF:23.4/22

Out: -0.423+/-0.080 χ^2/NDF:55.0/25

All: -0.368+/-0.057 χ^2/NDF: 79.4/48


reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected
8
6
4
2
0
−2
−4
−6
−8
−10
100
110
120
130
140
150
Right In: 0.088+/-0.108 χ²/NDF: 15.9/15
Left Out: -0.362+/-0.105 χ²/NDF:4.4/7
Right Out: -0.241+/-0.110 χ²/NDF: 19.6/17
Left In: -0.178+/-0.109 χ²/NDF:9.3/6
Left: -0.273+/-0.075 χ²/NDF: 15.2/14
Right: -0.075+/-0.077 χ²/NDF: 40.0/33
In: -0.045+/-0.077 χ²/NDF:28.2/22
Out: -0.304+/-0.076 χ²/NDF:24.6/25
All: -0.176+/-0.054 χ²/NDF: 58.6/48



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.027+/-0.005 χ^2/NDF:7.8/7

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

Left In: 0.039+/-0.005 χ^2/NDF:8.8/6

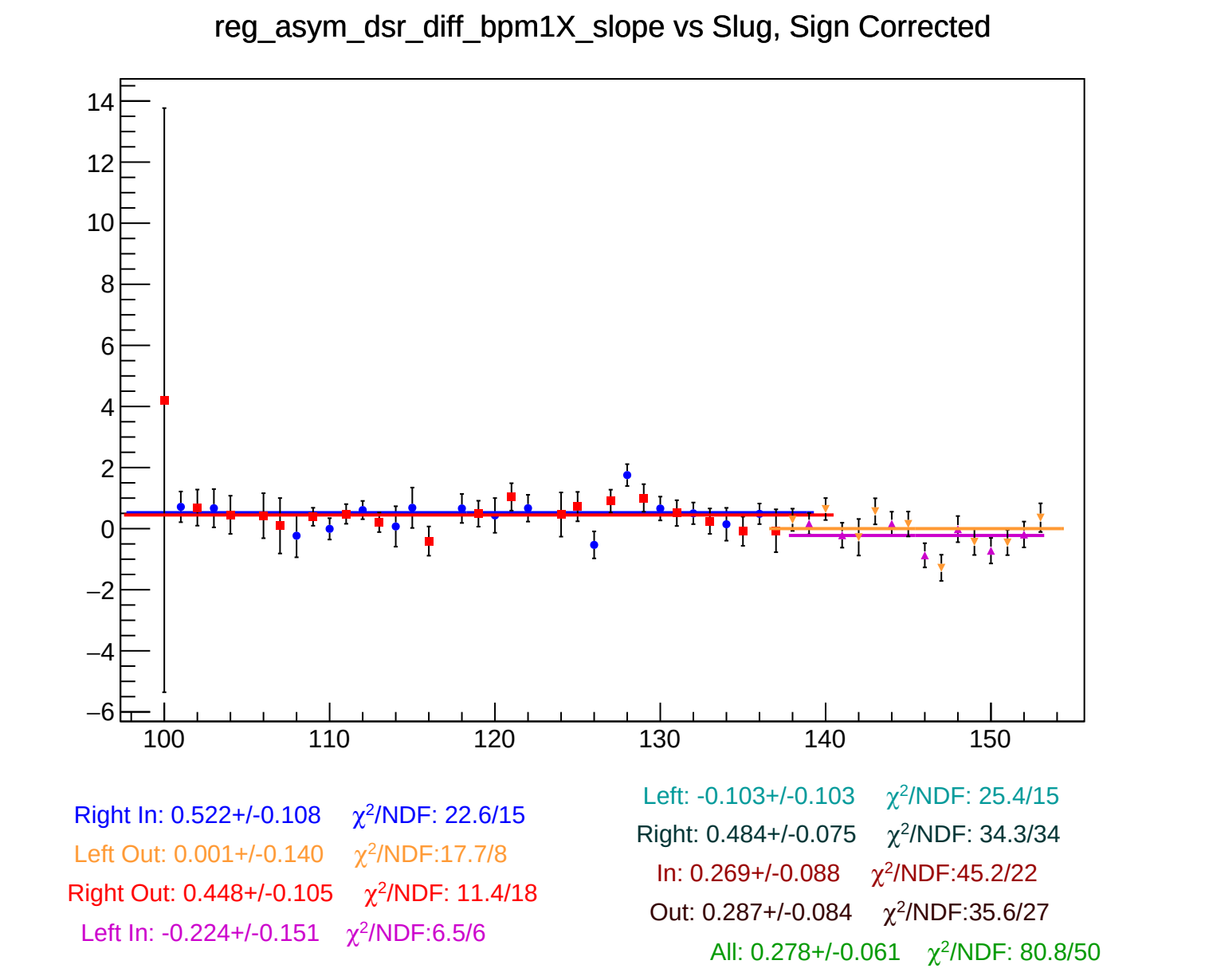
Left: 0.033+/-0.004 χ^2/NDF: 19.7/14

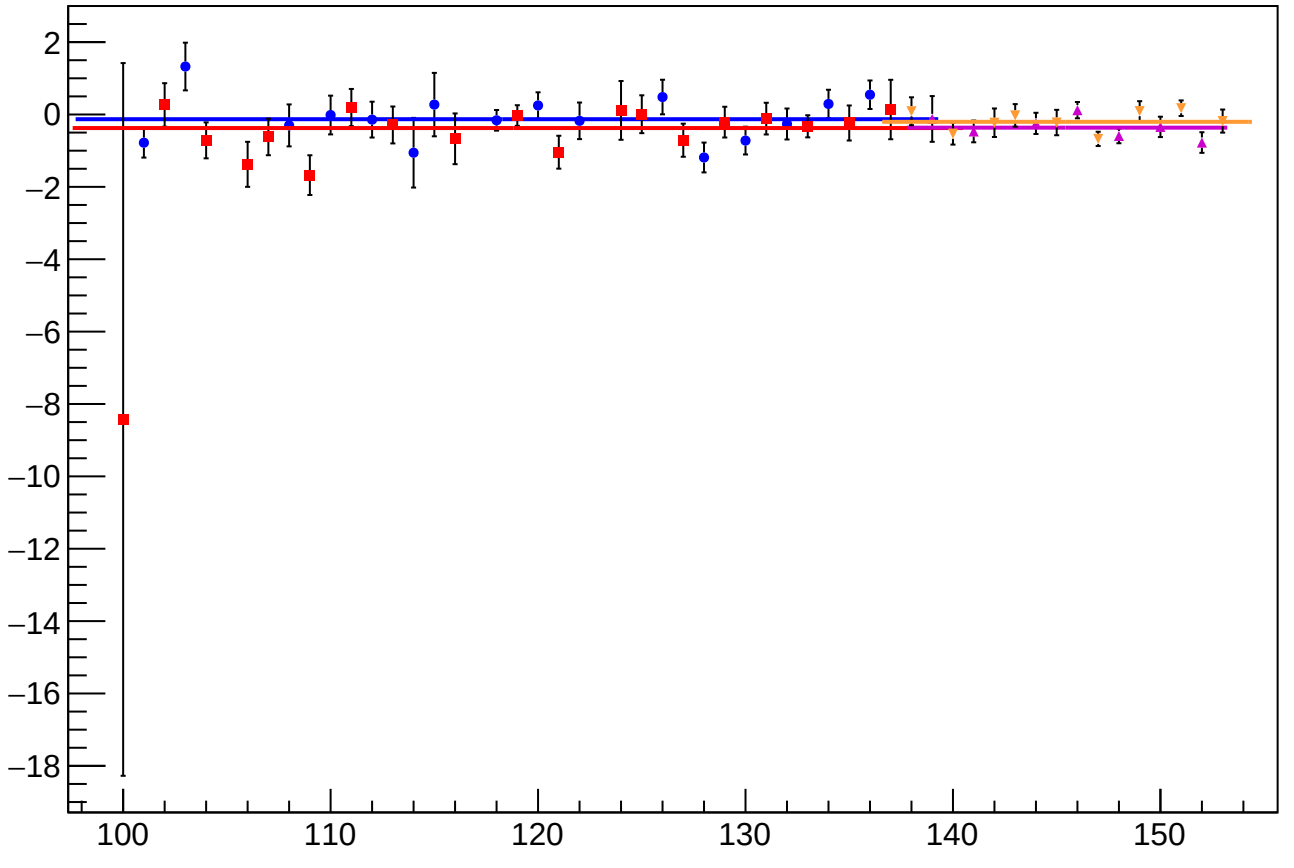
Right: 0.038+/-0.004 χ^2/NDF: 10045.5/33

In: 0.043+/-0.004 χ^2/NDF:29.3/22

Out: 0.027+/-0.004 χ^2/NDF:10028.7/25

All: 0.035+/-0.003 χ^2/NDF: 10066.0/48


reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected
14
12
10
8
6
4
2
0
−2
−4
−6
100
110
120
130
140
150
Right In: 0.522+/-0.108 χ²/NDF: 22.6/15
Left Out: 0.001+/-0.140 χ²/NDF:17.7/8
Right Out: 0.448+/-0.105 χ²/NDF: 11.4/18
Left In: -0.224+/-0.151 χ²/NDF:6.5/6
Left: -0.103+/-0.103 χ²/NDF: 25.4/15
Right: 0.484+/-0.075 χ²/NDF: 34.3/34
In: 0.269+/-0.088 χ²/NDF:45.2/22
Out: 0.287+/-0.084 χ²/NDF:35.6/27
All: 0.278+/-0.061 χ²/NDF: 80.8/50



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.203+/-0.094 χ^2/NDF:12.0/8

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

Left In: -0.364+/-0.103 χ^2/NDF:8.4/6

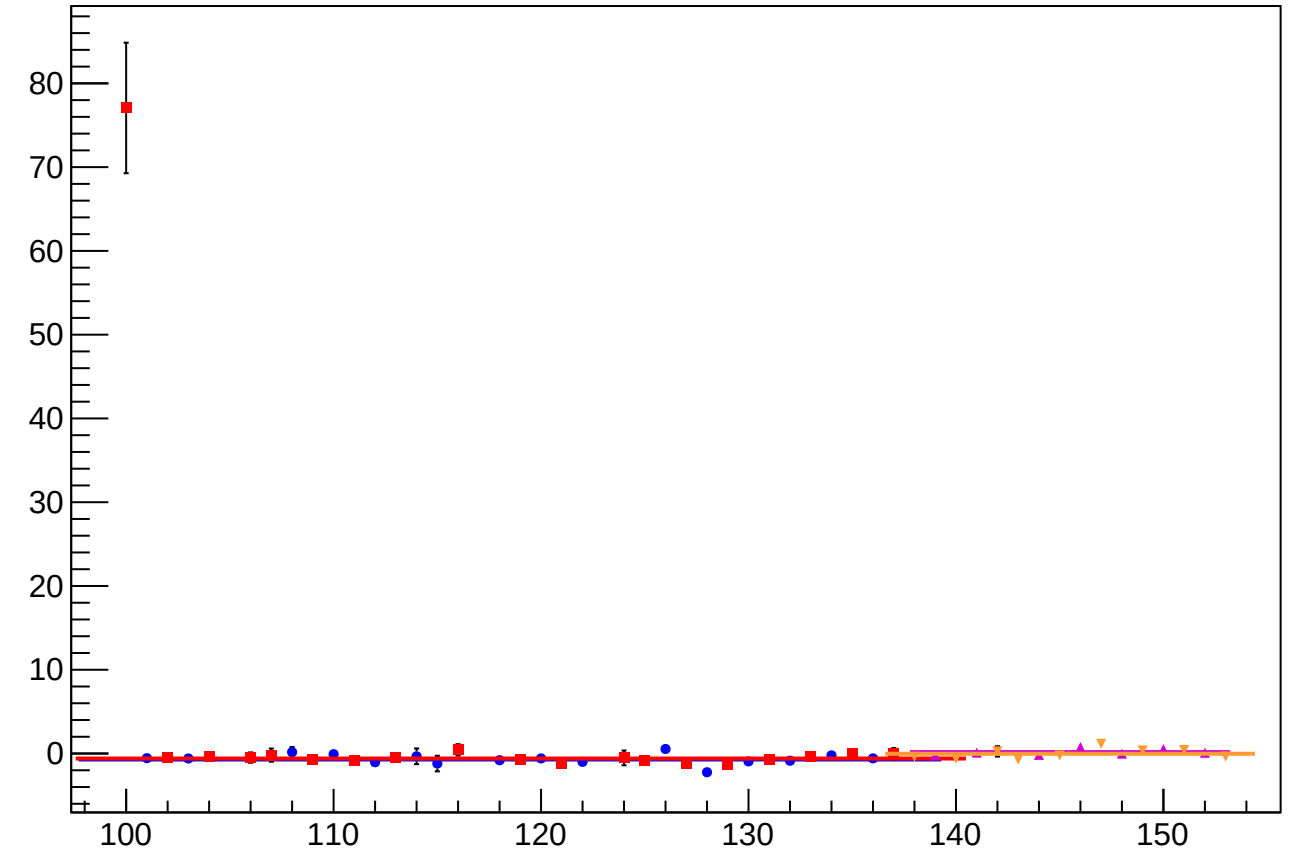
Left: -0.276+/-0.069 χ^2/NDF: 21.8/15

Right: -0.253+/-0.079 χ^2/NDF: 45.2/34

In: -0.257+/-0.076 χ^2/NDF:35.4/22

Out: -0.274+/-0.072 χ^2/NDF:31.6/27

All: -0.266+/-0.052 χ^2/NDF: 67.0/50



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: -0.028+/-0.139 χ^2/NDF:18.1/8

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

Left In: 0.168+/-0.149 χ^2/NDF:5.3/6

Left: 0.063+/-0.101 χ^2/NDF: 24.3/15

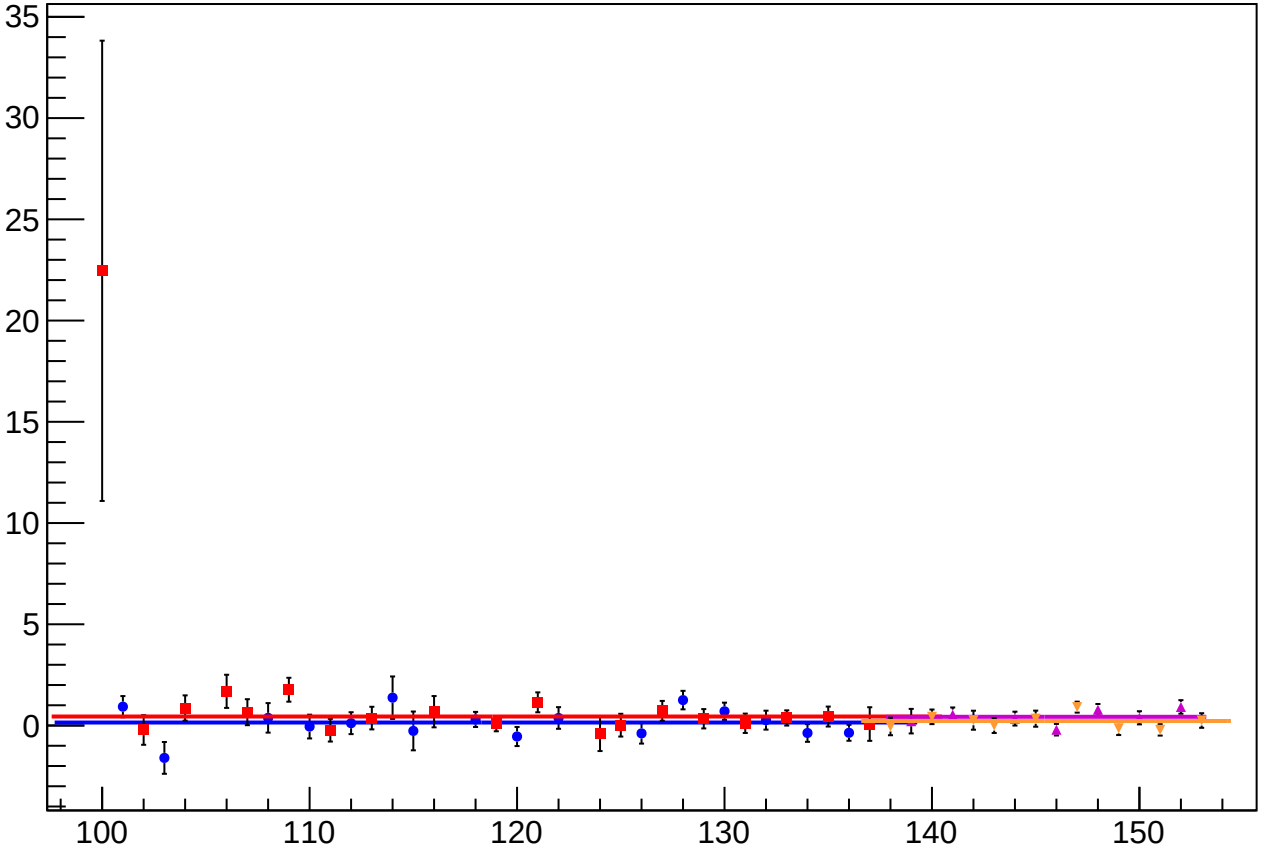
Right: -0.655+/-0.086 χ^2/NDF: 136.3/34

In: -0.360+/-0.094 χ^2/NDF:51.2/22

Out: -0.349+/-0.091 χ^2/NDF:138.6/27

All: -0.355+/-0.066 χ^2/NDF: 189.8/50

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.223+/-0.116 χ^2/NDF:11.3/8

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

Left In: 0.430+/-0.127 χ^2/NDF:9.0/6

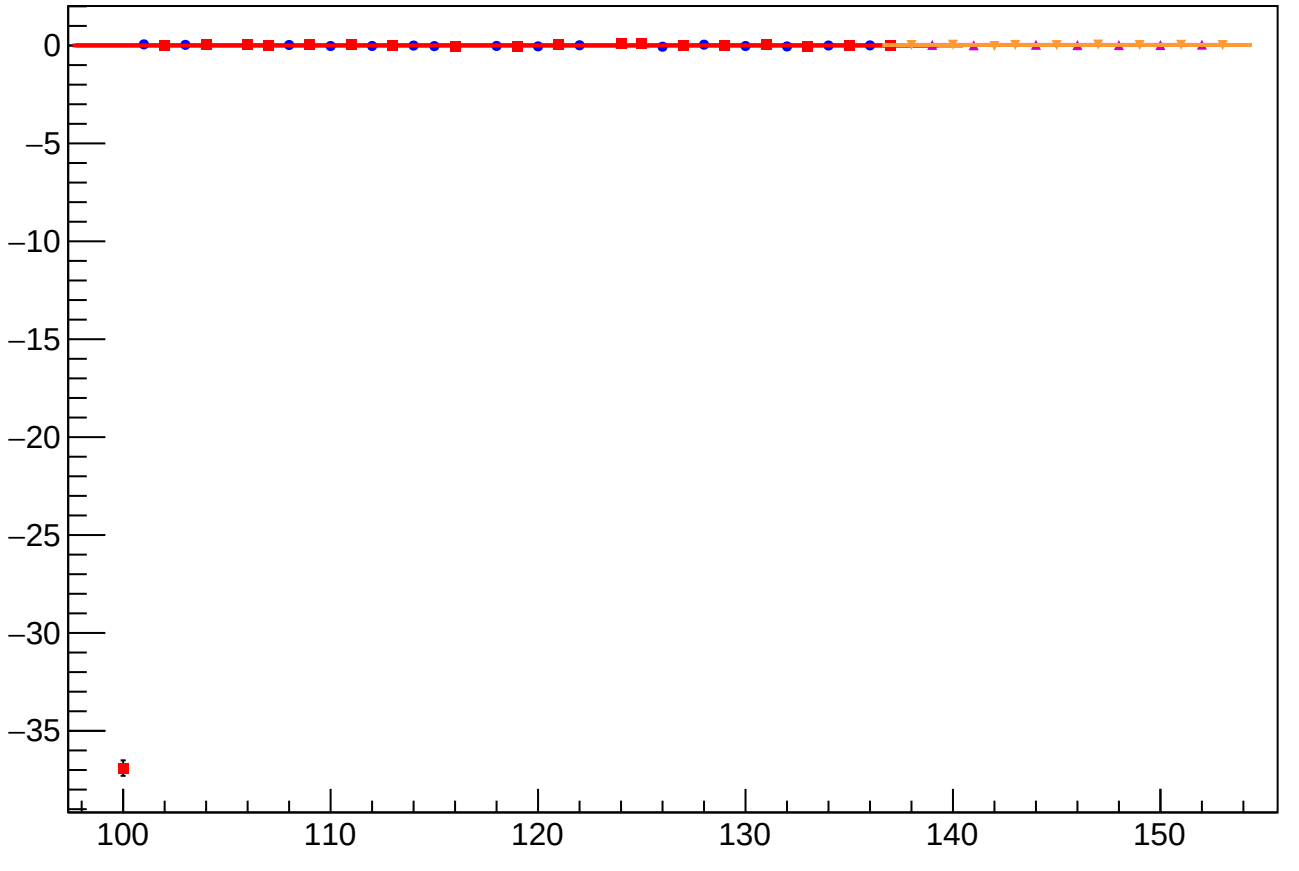
Left: 0.318+/-0.085 χ^2/NDF: 21.7/15

Right: 0.296+/-0.090 χ^2/NDF: 45.7/34

In: 0.291+/-0.090 χ^2/NDF:34.7/22

Out: 0.323+/-0.086 χ^2/NDF:32.6/27

All: 0.308+/-0.062 χ^2/NDF: 67.4/50



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.027+/-0.006 χ^2/NDF:7.5/8

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

Left In: 0.029+/-0.006 χ^2/NDF:2.9/6

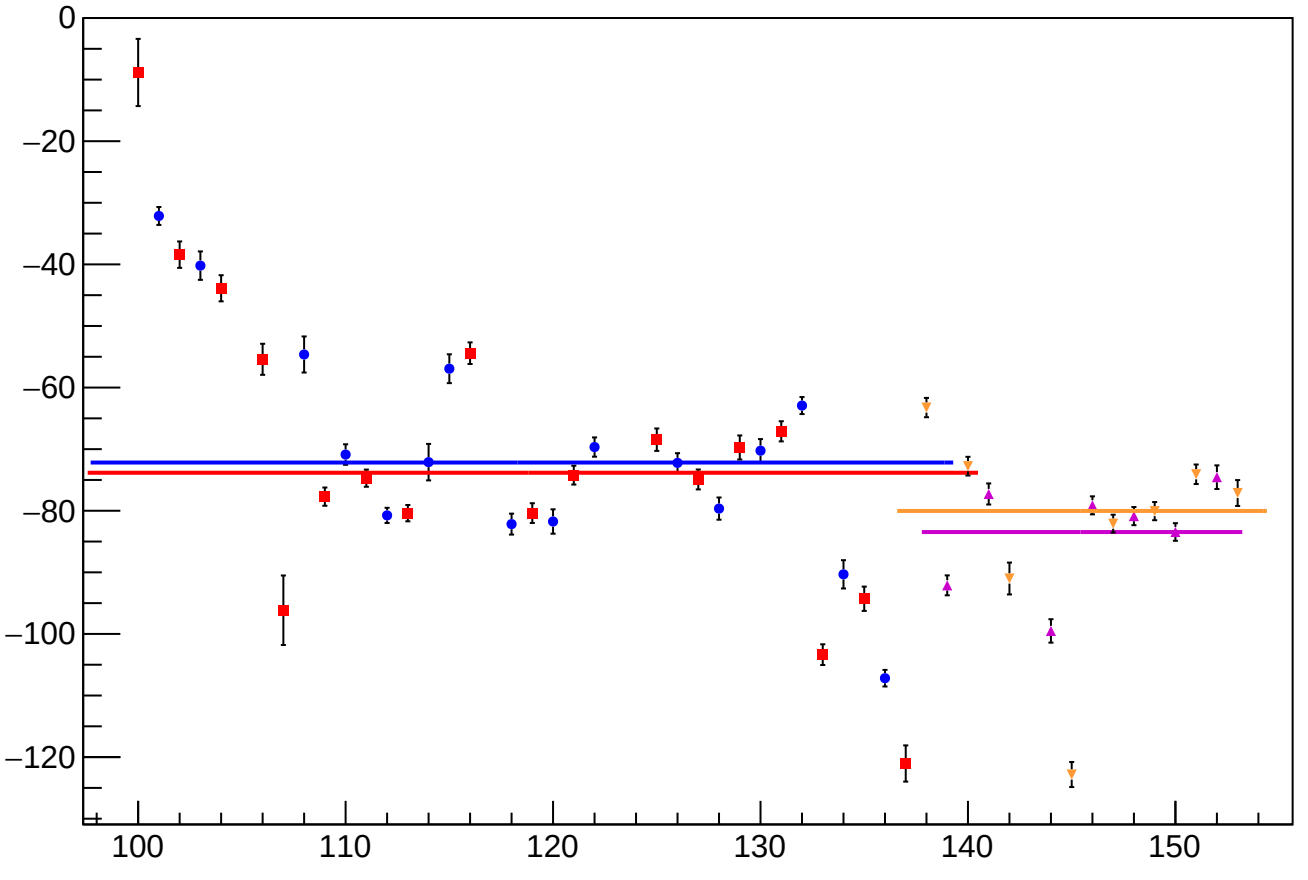
Left: 0.028+/-0.004 χ^2/NDF: 10.4/15

Right: 0.004+/-0.005 χ^2/NDF: 8771.0/34

In: 0.020+/-0.005 χ^2/NDF:26.3/22

Out: 0.018+/-0.004 χ^2/NDF:8767.8/27

All: 0.019+/-0.003 χ^2/NDF: 8794.2/50



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -80.033+/-0.599 χ^2/NDF:616.7/7

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

Left In: -83.457+/-0.610 χ^2/NDF:146.3/6

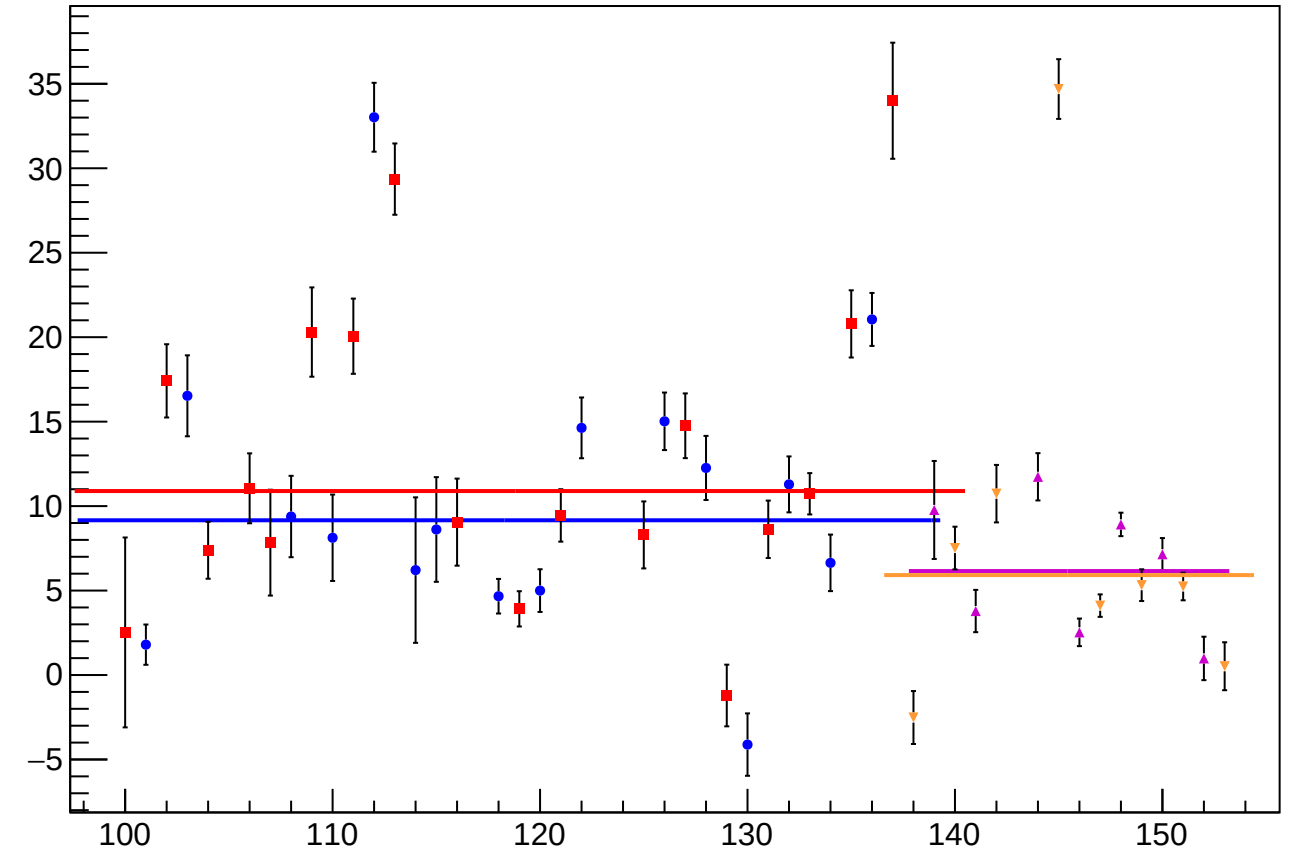
Left: -81.712+/-0.427 χ^2/NDF: 779.0/14

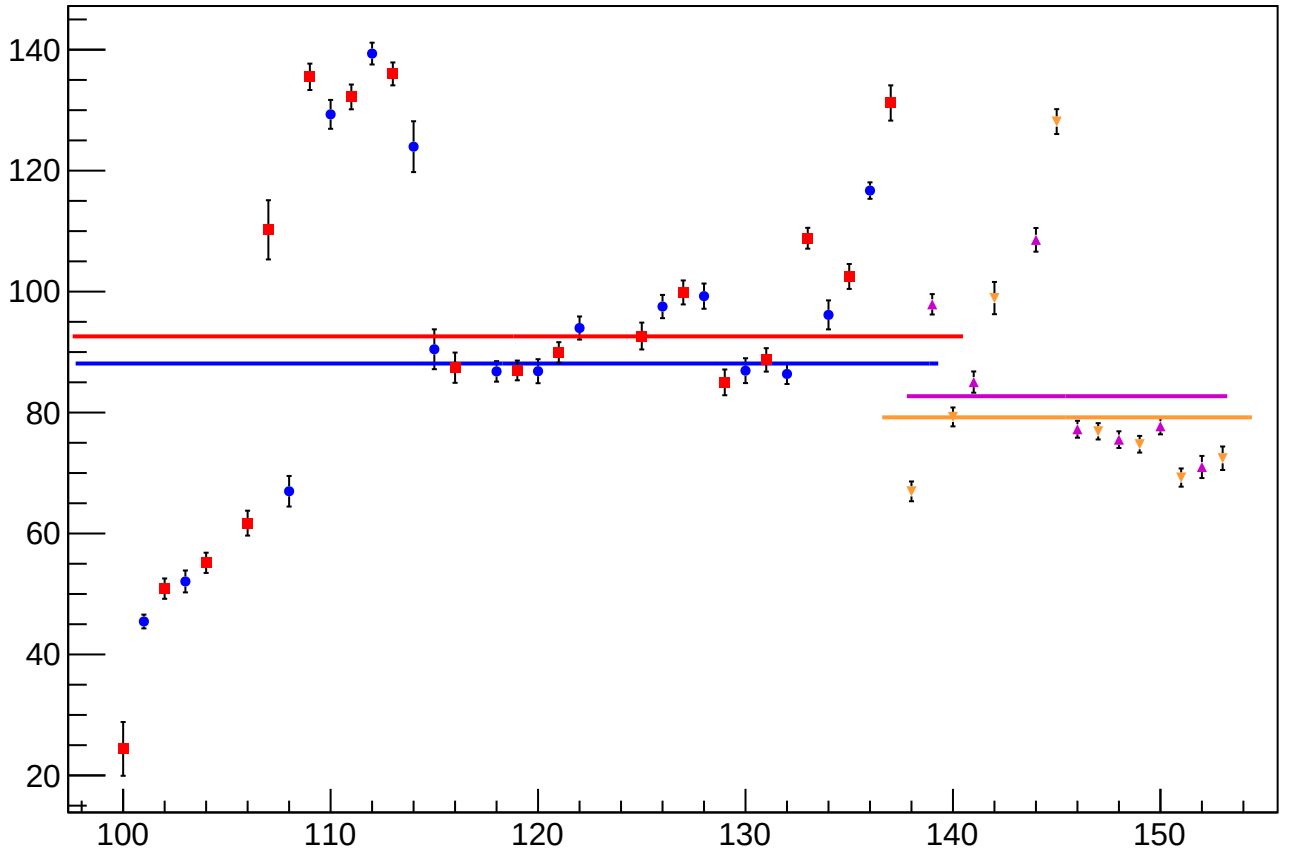
Right: -73.004+/-0.305 χ^2/NDF: 3501.0/33

In: -75.941+/-0.353 χ^2/NDF:2310.1/22

Out: -75.946+/-0.350 χ^2/NDF:2245.2/25

All: -75.944+/-0.248 χ^2/NDF: 4555.3/48


reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
35
30
25
20
15
10
5
0
−5
100
110
120
130
140
150
Right In: 9.161+/-0.425 χ²/NDF: 352.1/15
Left Out: 5.915+/-0.376 χ²/NDF:326.5/7
Right Out: 10.892+/-0.440 χ²/NDF: 290.2/17
Left In: 6.154+/-0.391 χ²/NDF:73.8/6
Left: 6.030+/-0.271 χ²/NDF: 400.5/14
Right: 9.996+/-0.306 χ²/NDF: 650.3/33
In: 7.533+/-0.288 χ²/NDF:453.0/22
Out: 8.013+/-0.286 χ²/NDF:690.6/25
All: 7.774+/-0.203 χ²/NDF: 1145.1/48



Right In: 88.109+/-0.469 χ^2/NDF: 3561.7/15

Left Out: 79.205+/-0.583 χ^2/NDF:744.1/7

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

Left In: 82.702+/-0.594 χ^2/NDF:354.2/6

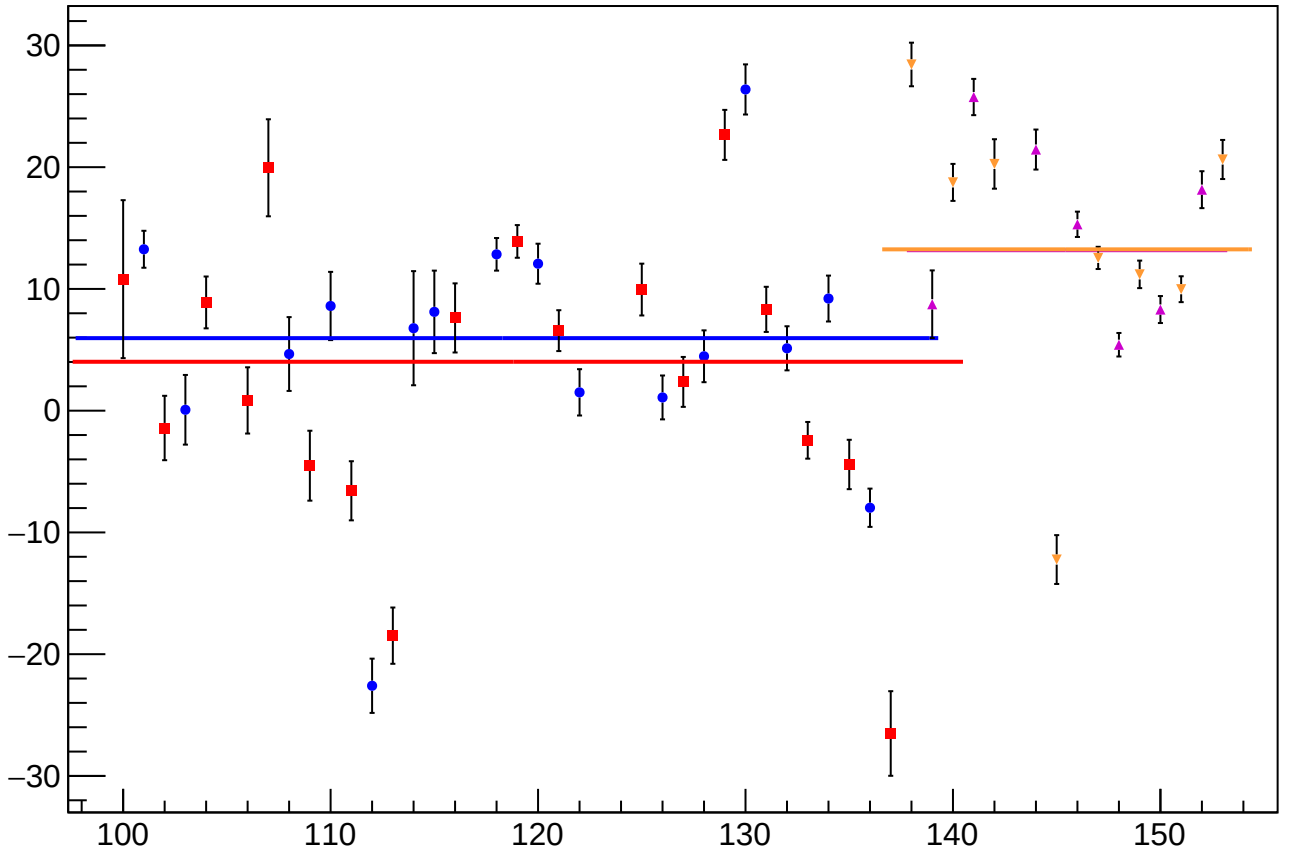
Left: 80.921+/-0.416 χ^2/NDF: 1116.0/14

Right: 90.284+/-0.336 χ^2/NDF: 6817.1/33

In: 86.036+/-0.368 χ^2/NDF:3966.9/22

Out: 87.148+/-0.372 χ^2/NDF:4267.7/25

All: 86.586+/-0.262 χ^2/NDF: 8239.2/48



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 13.250+/-0.472 χ^2/NDF:292.8/7

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

Left In: 13.181+/-0.488 χ^2/NDF:198.0/6

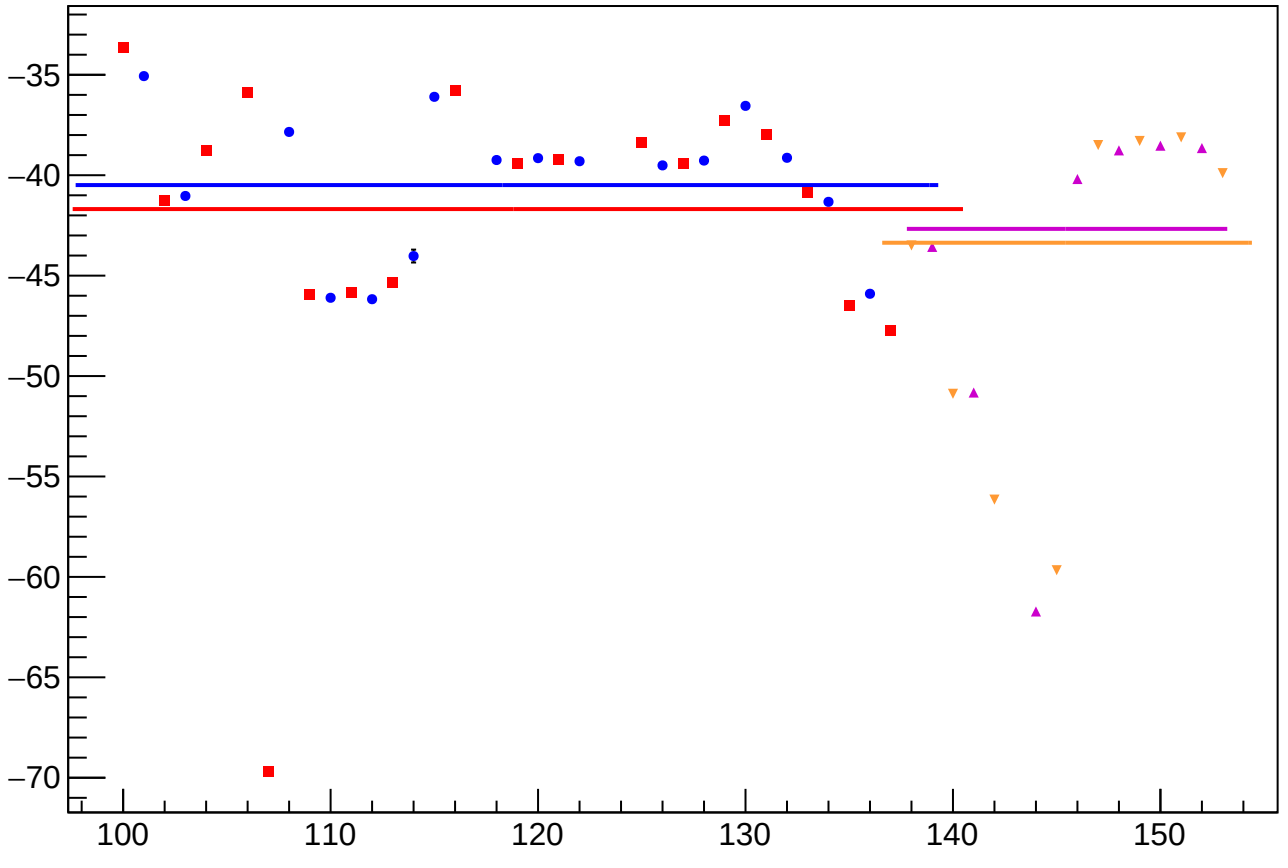
Left: 13.217+/-0.339 χ^2/NDF: 490.8/14

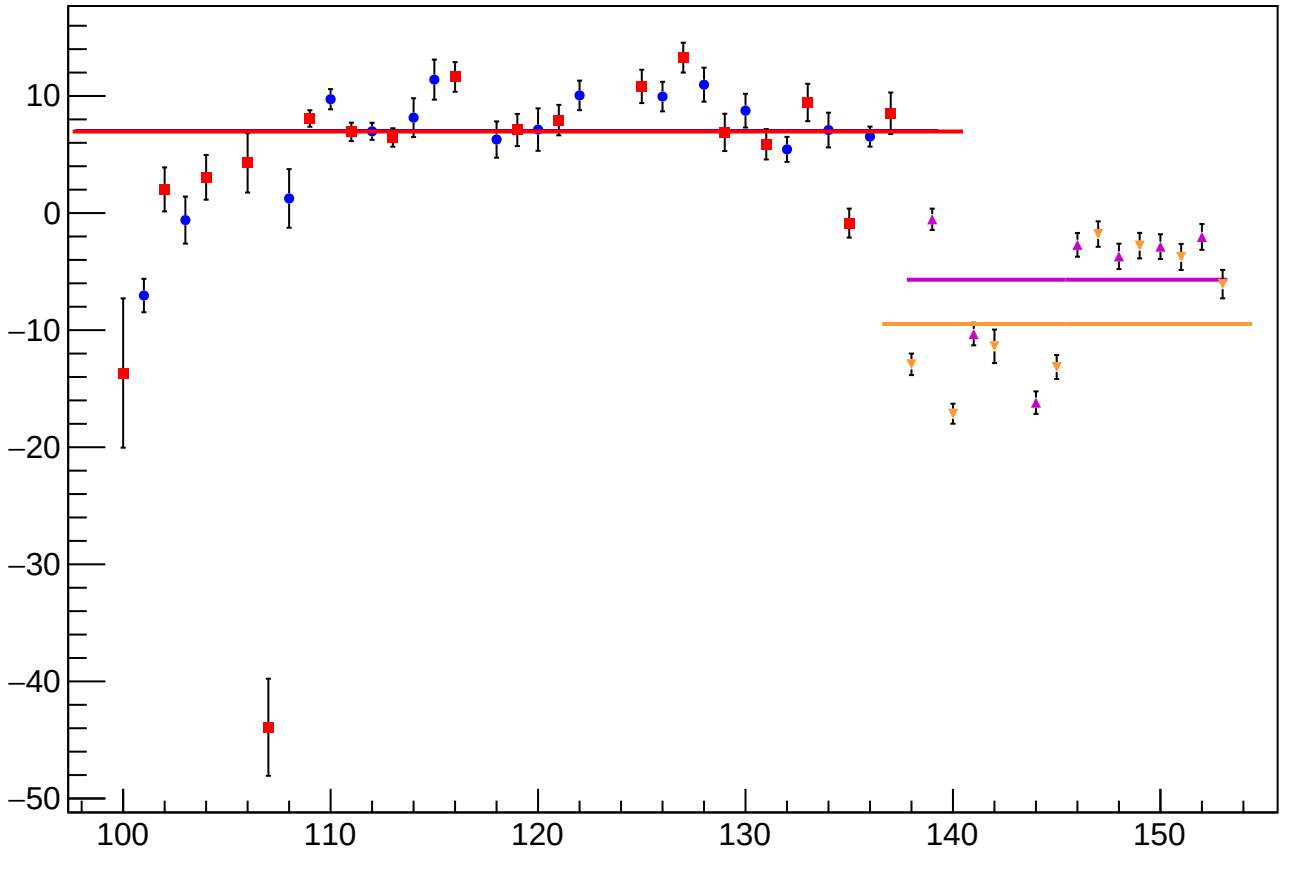
Right: 5.016+/-0.355 χ^2/NDF: 851.9/33

In: 9.617+/-0.348 χ^2/NDF:732.8/22

Out: 8.989+/-0.346 χ^2/NDF:887.3/25

All: 9.302+/-0.245 χ^2/NDF: 1621.7/48


reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected
−35
−40
−45
−50
−55
−60
−65
−70
100
110
120
130
140
150
Right In: -40.491+/-0.028 χ²/NDF: 18125.4/15
Left Out: -43.362+/-0.024 χ²/NDF:90152.3/7
Right Out: -41.686+/-0.029 χ²/NDF: 36838.6/17
Left In: -42.671+/-0.024 χ²/NDF:76171.8/6
Left: -43.015+/-0.017 χ²/NDF: 166744.4/14
Right: -41.069+/-0.020 χ²/NDF: 55825.2/33
In: -41.770+/-0.018 χ²/NDF:97777.0/22
Out: -42.692+/-0.018 χ²/NDF:128961.8/25
All: -42.223+/-0.013 χ²/NDF: 227999.5/48



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -9.474+/-0.374 χ^2/NDF:230.7/7

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

Left In: -5.693+/-0.381 χ^2/NDF:204.2/6

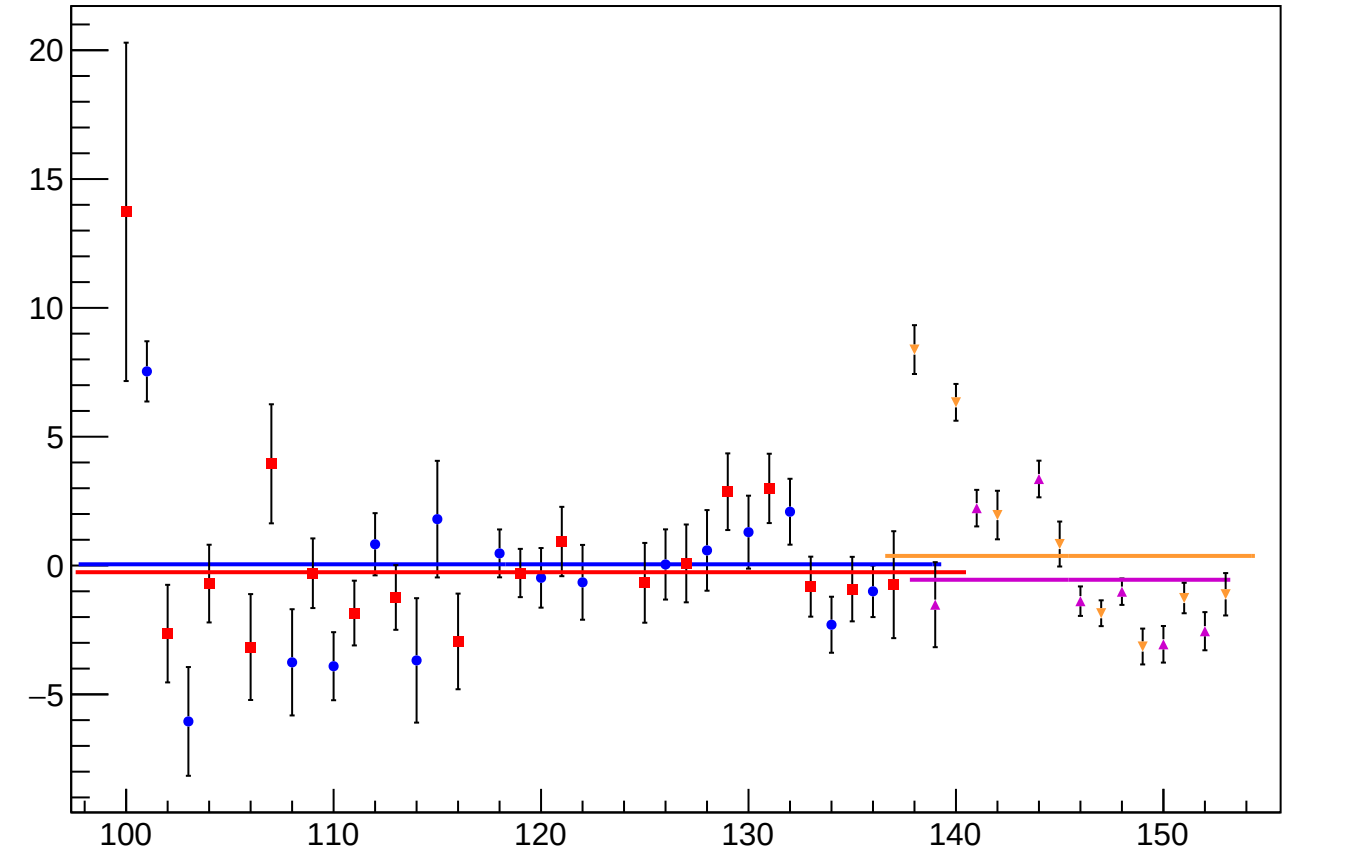
Left: -7.620+/-0.267 χ^2/NDF: 485.1/14

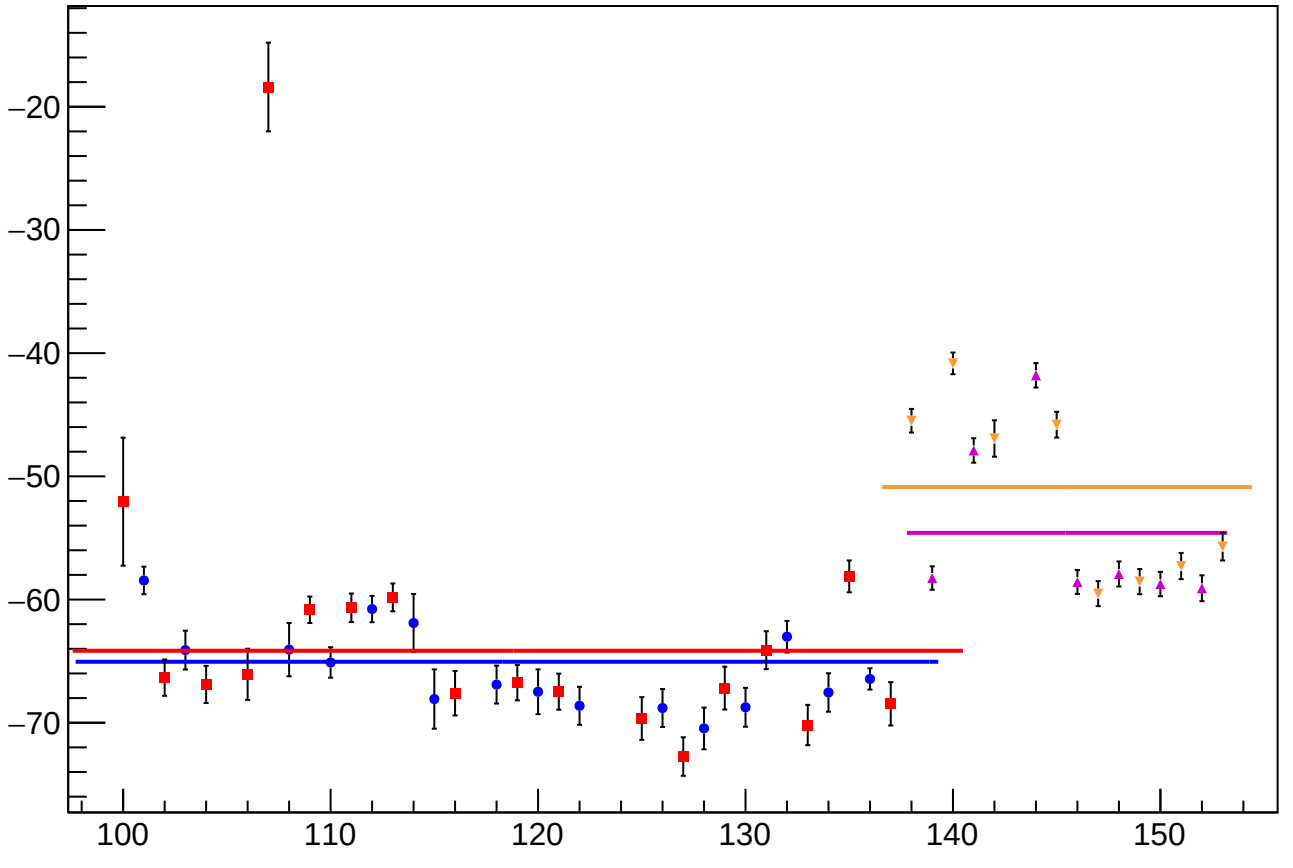
Right: 6.988+/-0.215 χ^2/NDF: 422.3/33

In: 1.965+/-0.240 χ^2/NDF:1030.7/22

Out: 0.571+/-0.233 χ^2/NDF:1679.4/25

All: 1.247+/-0.167 χ^2/NDF: 2727.5/48


reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
100
110
120
130
140
150
Right In: 0.048+/-0.331 χ²/NDF: 75.0/15
Left Out: 0.374+/-0.251 χ²/NDF:200.4/7
Right Out: -0.259+/-0.344 χ²/NDF: 27.5/17
Left In: -0.552+/-0.258 χ²/NDF:68.6/6
Left: -0.075+/-0.180 χ²/NDF: 275.6/14
Right: -0.099+/-0.239 χ²/NDF: 102.9/33
In: -0.325+/-0.204 χ²/NDF:145.6/22
Out: 0.155+/-0.203 χ²/NDF:230.2/25
All: -0.084+/-0.144 χ²/NDF: 378.5/48



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -50.865+/-0.369 χ^2/NDF:376.6/7

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

Left In: -54.587+/-0.375 χ^2/NDF:290.7/6

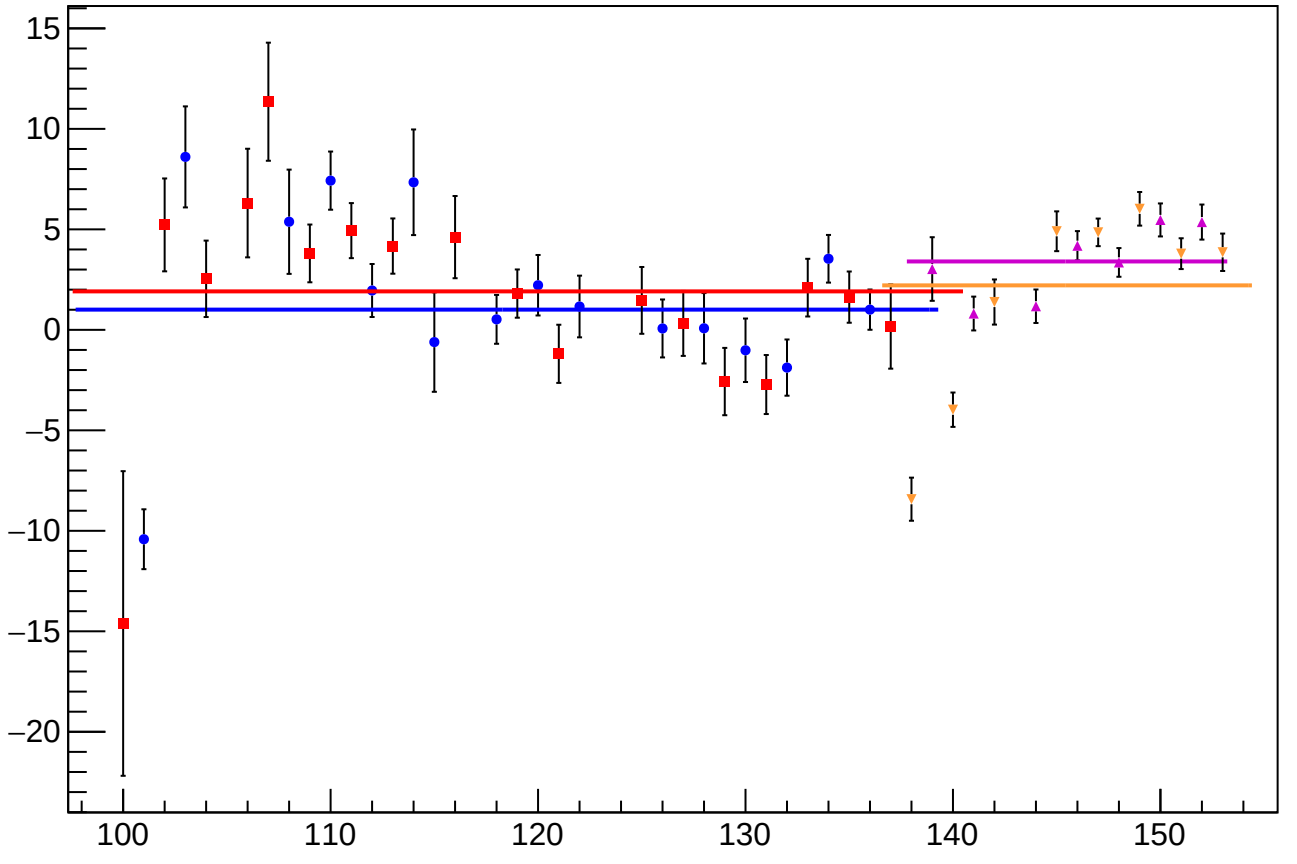
Left: -52.692+/-0.263 χ^2/NDF: 717.4/14

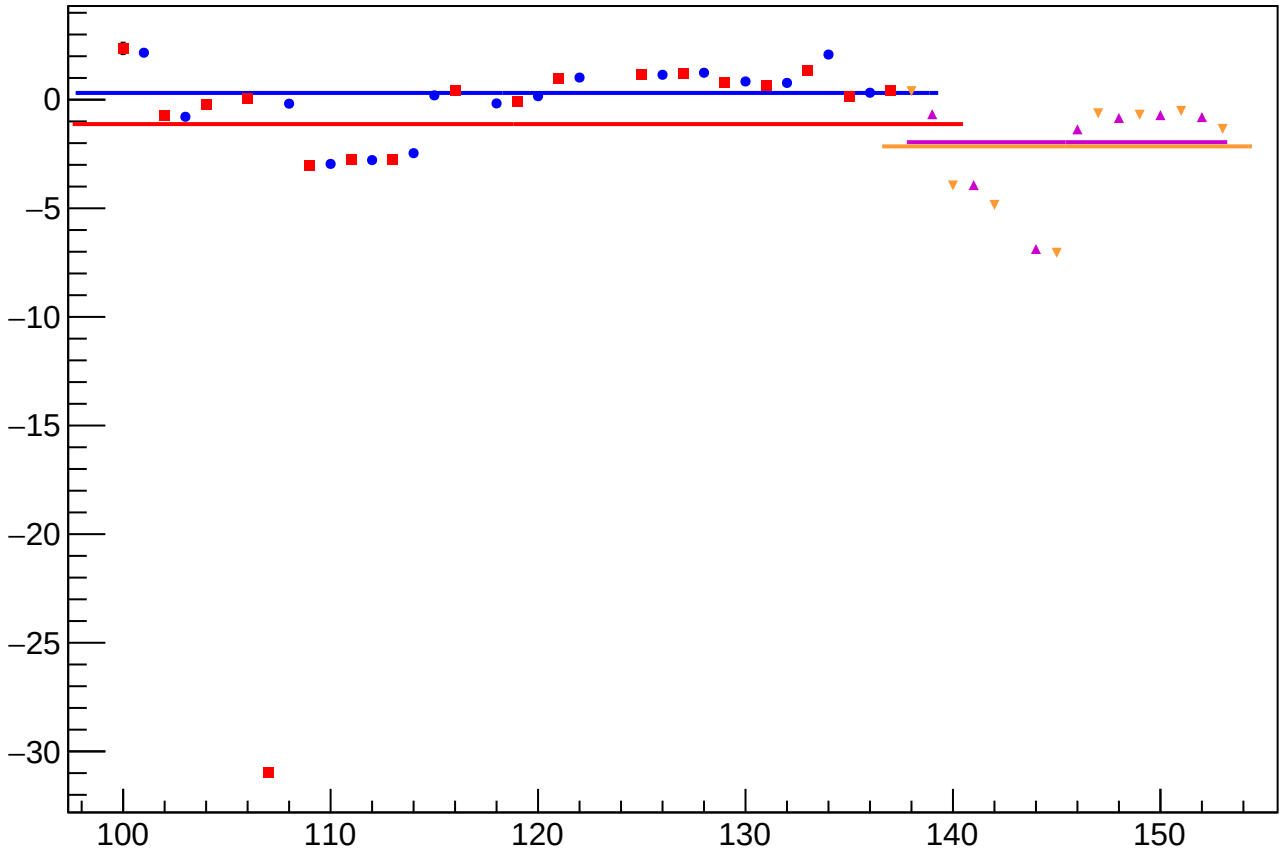
Right: -64.611+/-0.253 χ^2/NDF: 399.6/33

In: -60.124+/-0.258 χ^2/NDF:794.9/22

Out: -57.658+/-0.258 χ^2/NDF:1345.0/25

All: -58.892+/-0.182 χ^2/NDF: 2185.8/48


reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
15
10
5
0
−5
−10
−15
−20
100
110
120
130
140
150
Right In: 1.006+/-0.376 χ²/NDF: 109.2/15
Left Out: 2.213+/-0.309 χ²/NDF:201.6/7
Right Out: 1.914+/-0.390 χ²/NDF: 54.5/17
Left In: 3.403+/-0.318 χ²/NDF:29.2/6
Left: 2.792+/-0.222 χ²/NDF: 238.1/14
Right: 1.443+/-0.270 χ²/NDF: 166.5/33
In: 2.403+/-0.243 χ²/NDF:162.2/22
Out: 2.097+/-0.242 χ²/NDF:256.5/25
All: 2.250+/-0.171 χ²/NDF: 419.5/48



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -2.150+/-0.015 χ^2/NDF:27002.1/7

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

Left In: -1.957+/-0.015 χ^2/NDF:18993.7/6

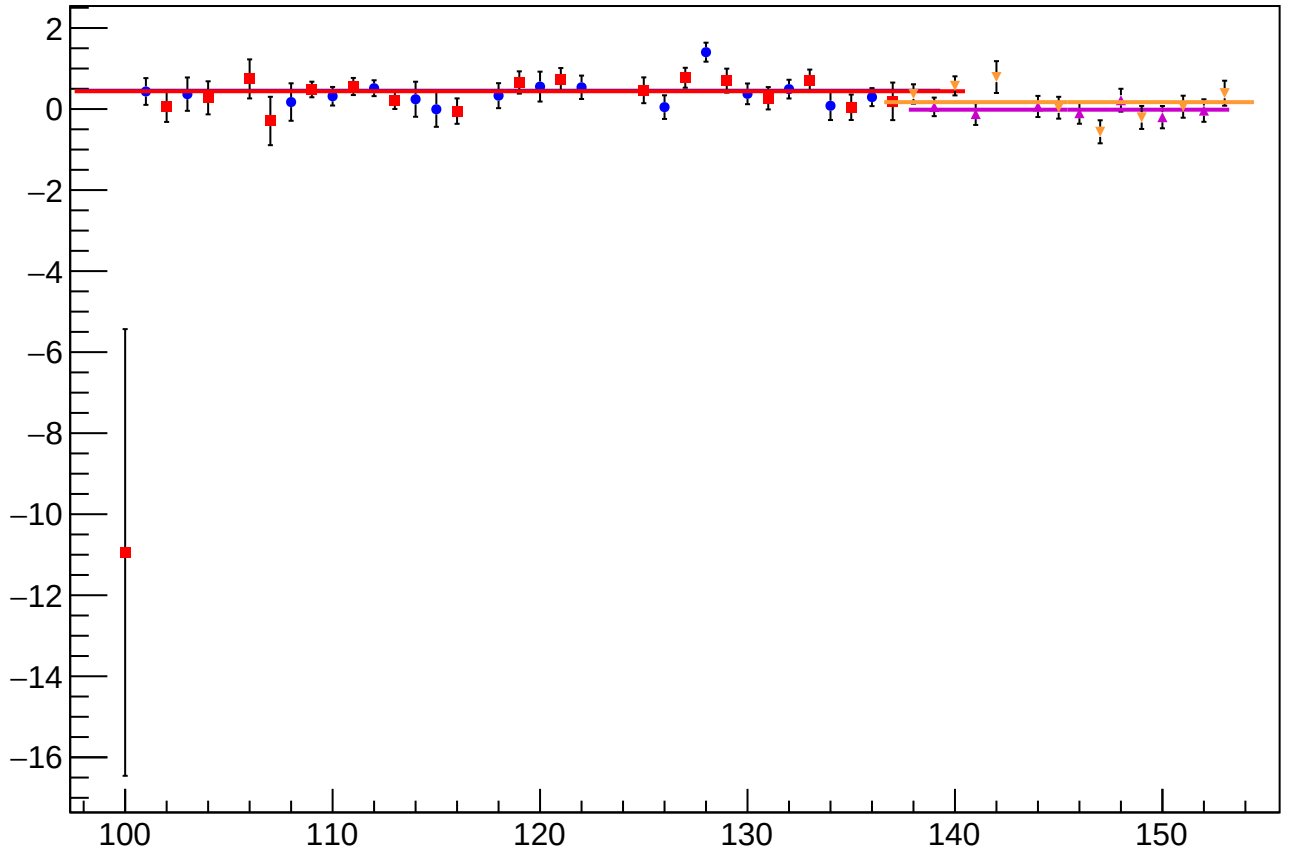
Left: -2.054+/-0.011 χ^2/NDF: 46079.8/14

Right: -0.369+/-0.015 χ^2/NDF: 53391.3/33

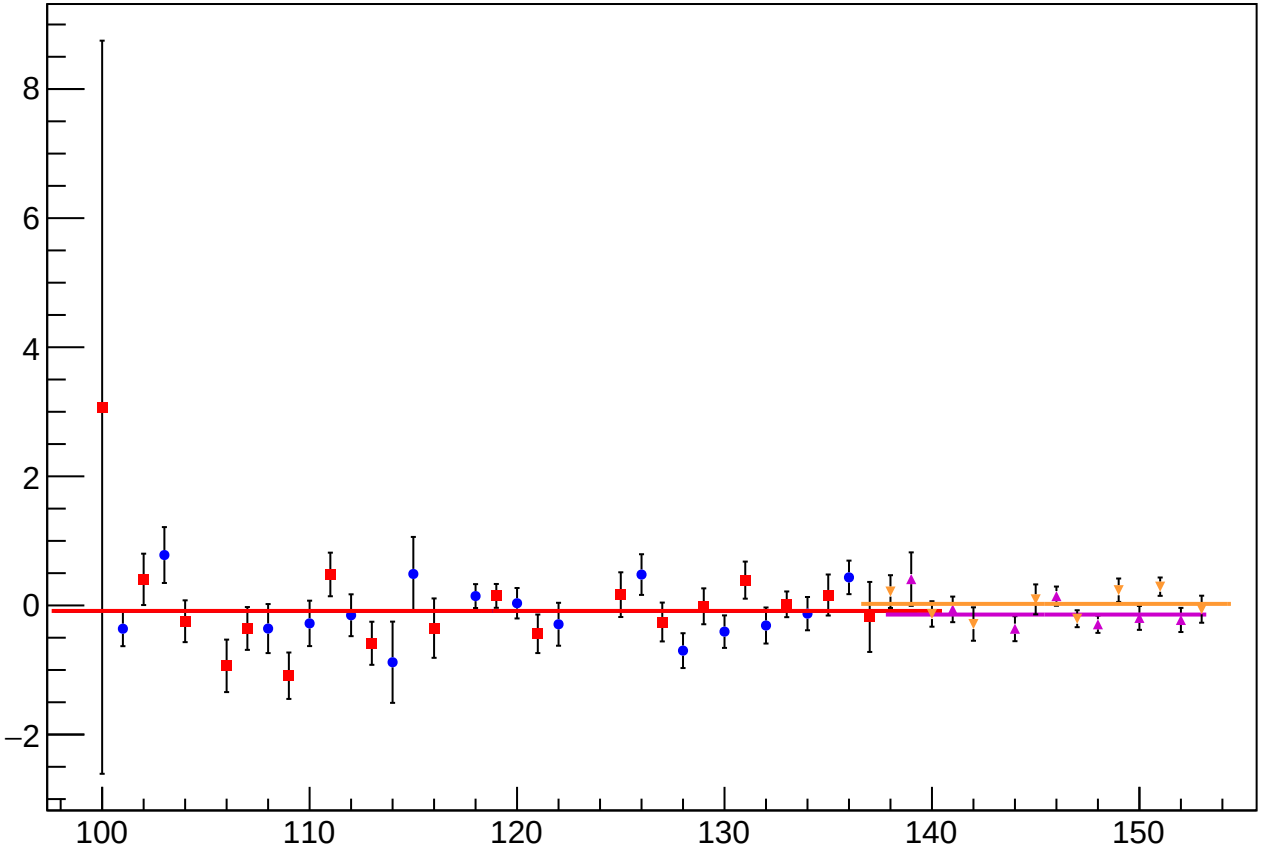
In: -1.198+/-0.012 χ^2/NDF:31549.2/22

Out: -1.832+/-0.012 χ^2/NDF:74822.1/25

All: -1.510+/-0.009 χ^2/NDF: 107702.6/48


reg_asym_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected
2
0
−2
−4
−6
−8
−10
−12
−14
−16
100
110
120
130
140
150
Right In: 0.452+/-0.071 χ²/NDF: 22.6/15
Left Out: 0.170+/-0.098 χ²/NDF:15.4/7
Right Out: 0.440+/-0.070 χ²/NDF: 18.5/17
Left In: -0.016+/-0.100 χ²/NDF:1.6/6
Left: 0.079+/-0.070 χ²/NDF: 18.8/14
Right: 0.446+/-0.050 χ²/NDF: 41.2/33
In: 0.294+/-0.058 χ²/NDF:38.8/22
Out: 0.349+/-0.057 χ²/NDF:39.0/25
All: 0.322+/-0.041 χ²/NDF: 78.3/48

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: 0.024+/-0.065 χ^2/NDF:10.8/7

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

Left In: -0.141+/-0.068 χ^2/NDF:8.5/6

Left: -0.055+/-0.047 χ^2/NDF: 22.4/14

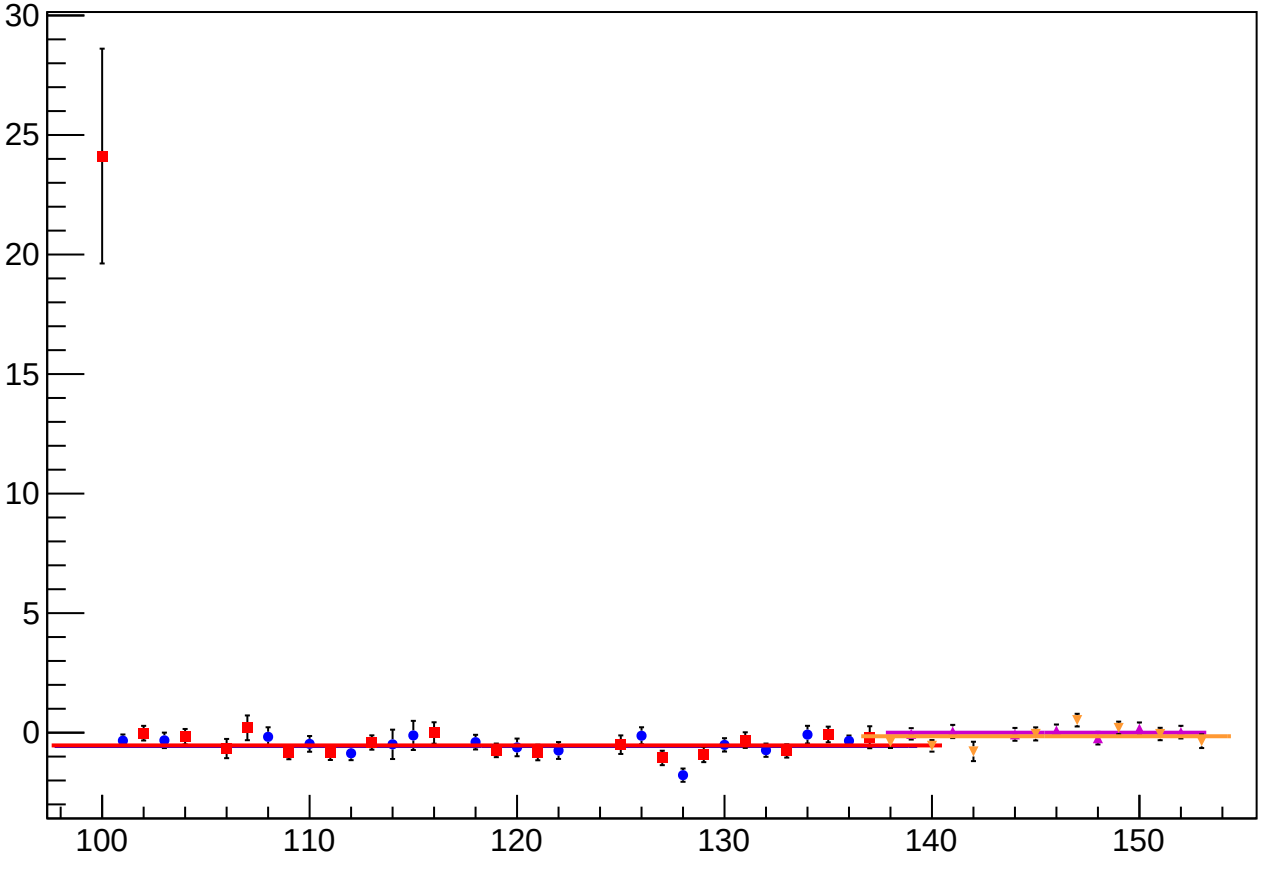
Right: -0.086+/-0.052 χ^2/NDF: 53.3/33

In: -0.116+/-0.050 χ^2/NDF:34.1/22

Out: -0.024+/-0.049 χ^2/NDF:40.0/25

All: -0.069+/-0.035 χ^2/NDF: 75.8/48

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: -0.150+/-0.096 χ^2/NDF:15.1/7

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

Left In: -0.001+/-0.098 χ^2/NDF:1.5/6

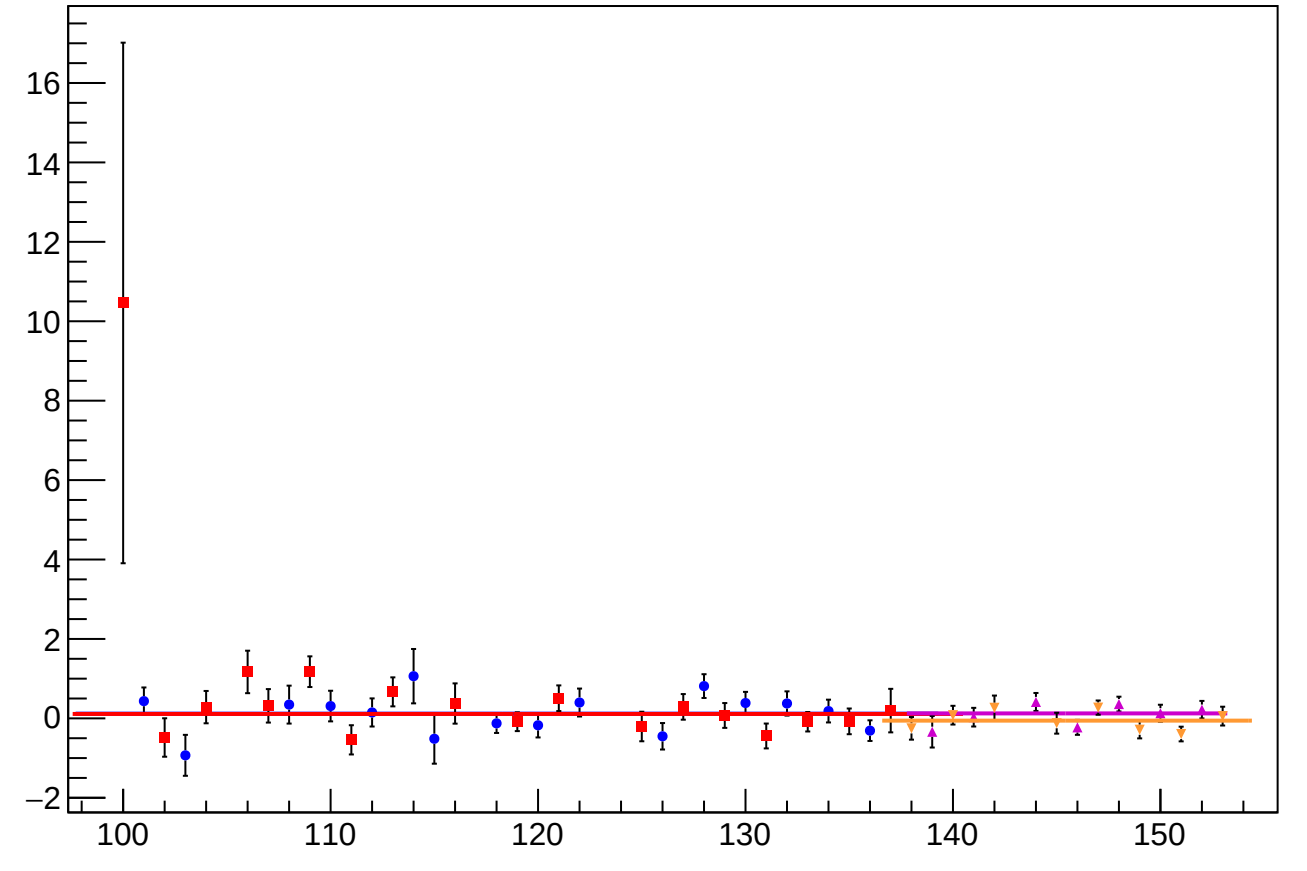
Left: -0.077+/-0.069 χ^2/NDF: 17.7/14

Right: -0.546+/-0.057 χ^2/NDF: 77.6/33

In: -0.337+/-0.062 χ^2/NDF:49.3/22

Out: -0.375+/-0.062 χ^2/NDF:73.6/25

All: -0.356+/-0.044 χ^2/NDF: 123.1/48



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: -0.057+/-0.080 χ^2/NDF:10.0/7

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

Left In: 0.125+/-0.083 χ^2/NDF:8.4/6

Left: 0.031+/-0.058 χ^2/NDF: 20.8/14

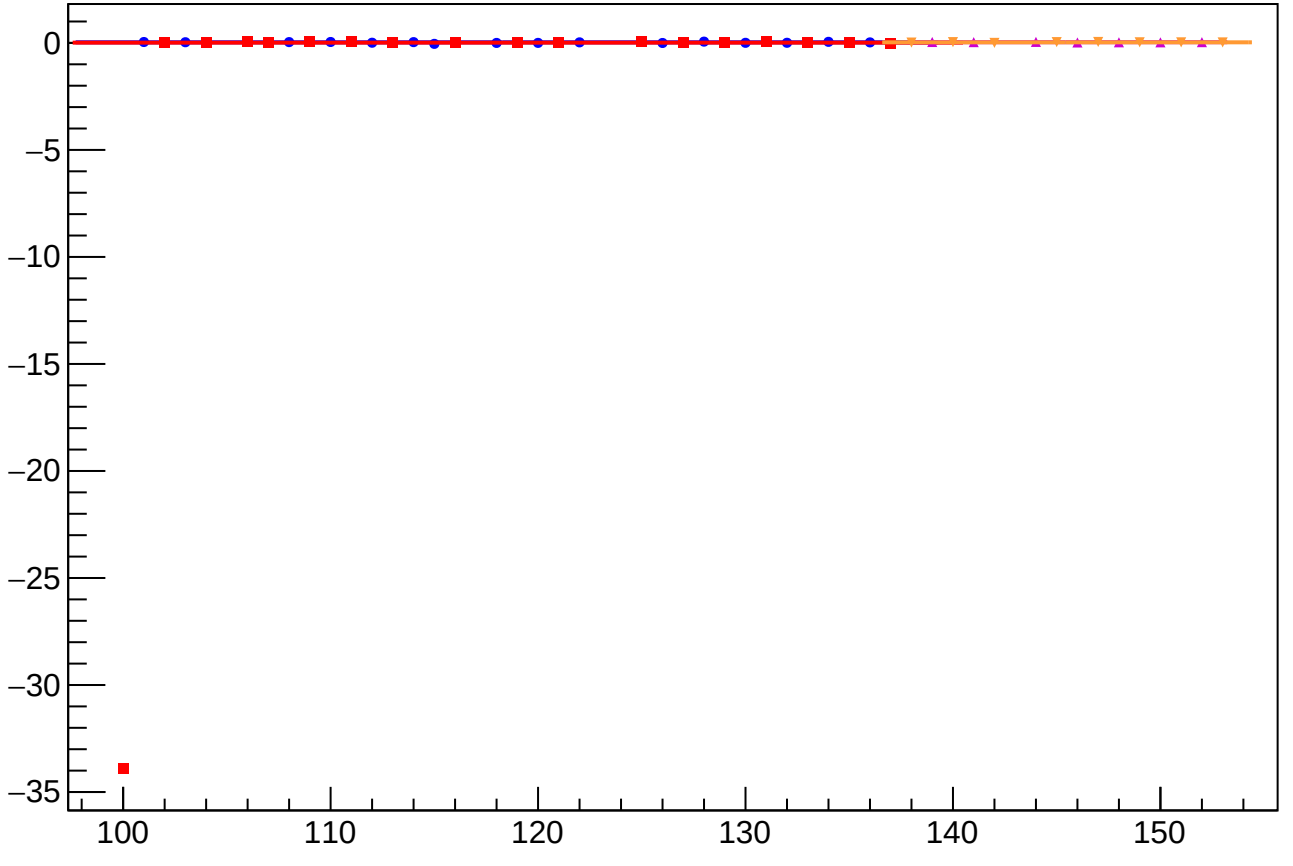
Right: 0.115+/-0.060 χ^2/NDF: 52.6/33

In: 0.121+/-0.059 χ^2/NDF:32.0/22

Out: 0.023+/-0.058 χ^2/NDF:41.0/25

All: 0.071+/-0.042 χ^2/NDF: 74.5/48

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.027+/-0.005 χ^2/NDF: 14.7/15

Left Out: 0.027+/-0.004 χ^2/NDF:7.6/7

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

Left In: 0.034+/-0.004 χ^2/NDF:4.7/6

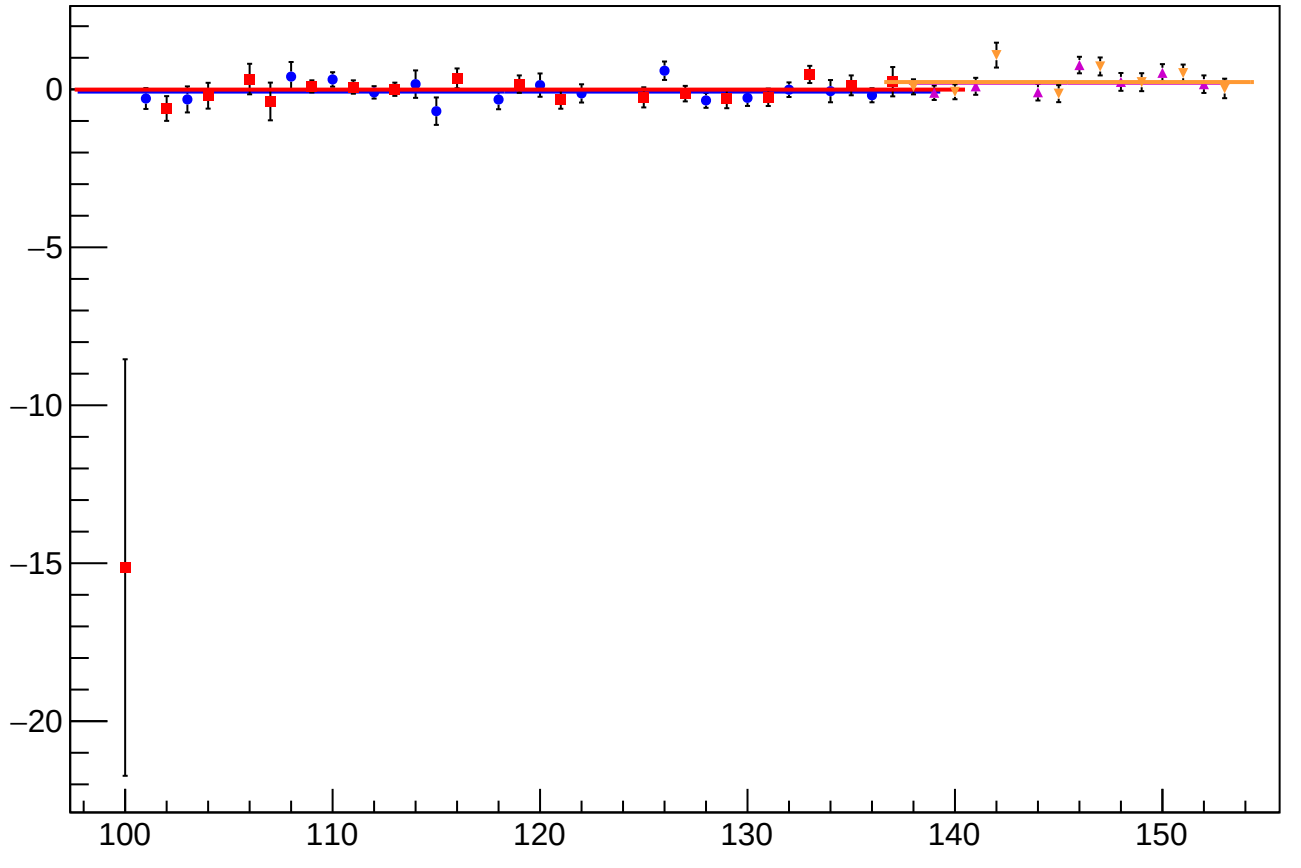
Left: 0.030+/-0.003 χ^2/NDF: 14.1/14

Right: 0.020+/-0.003 χ^2/NDF: 22281.9/33

In: 0.031+/-0.003 χ^2/NDF:20.5/22

Out: 0.021+/-0.003 χ^2/NDF:22275.5/25

All: 0.026+/-0.002 χ^2/NDF: 22302.0/48



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.231+/-0.098 χ^2/NDF:13.2/7

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

Left In: 0.210+/-0.100 χ^2/NDF:9.3/6

Left: 0.221+/-0.070 χ^2/NDF: 22.5/14

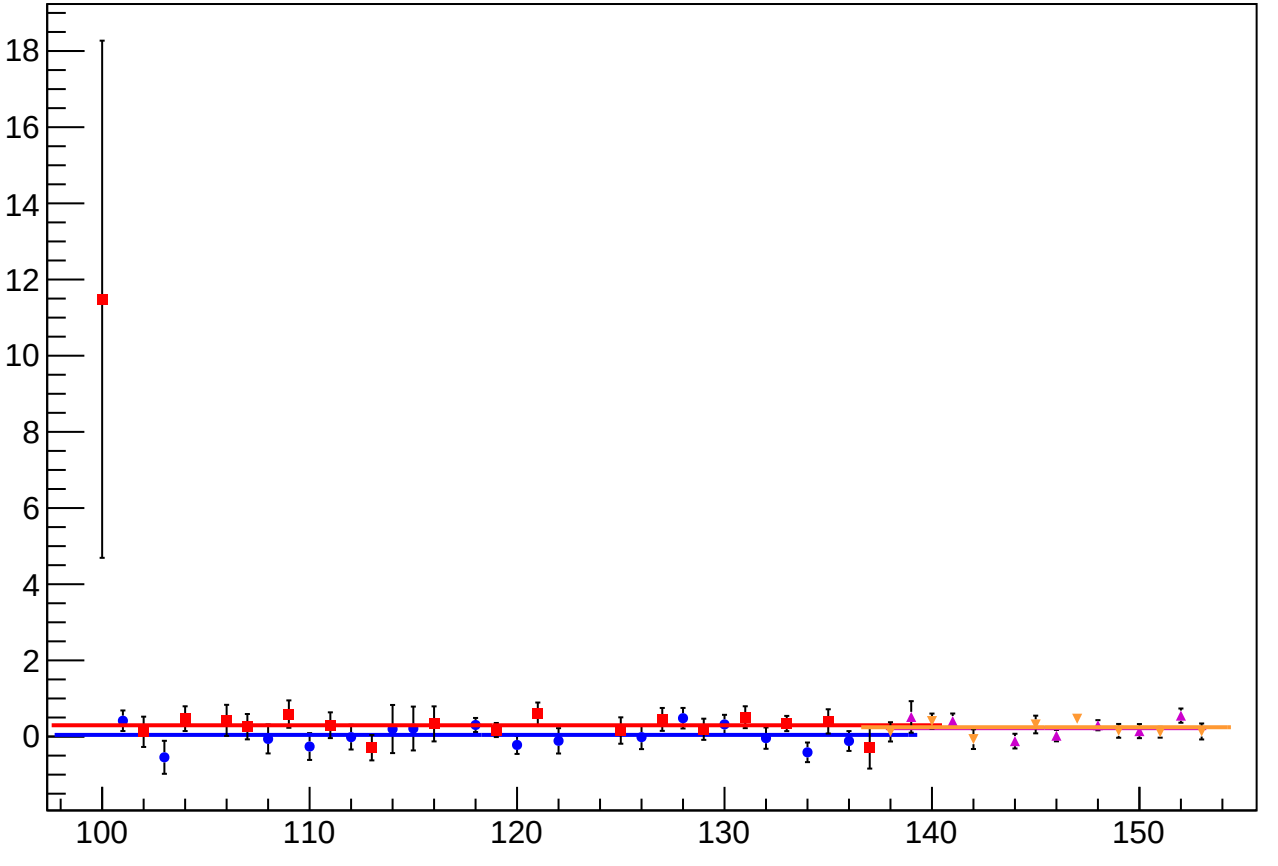
Right: -0.038+/-0.050 χ^2/NDF: 34.1/33

In: 0.025+/-0.058 χ^2/NDF:30.1/22

Out: 0.073+/-0.057 χ^2/NDF:35.3/25

All: 0.050+/-0.041 χ^2/NDF: 65.7/48

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: 0.245+/-0.065 χ^2/NDF:6.7/7

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

Left In: 0.220+/-0.068 χ^2/NDF:9.9/6

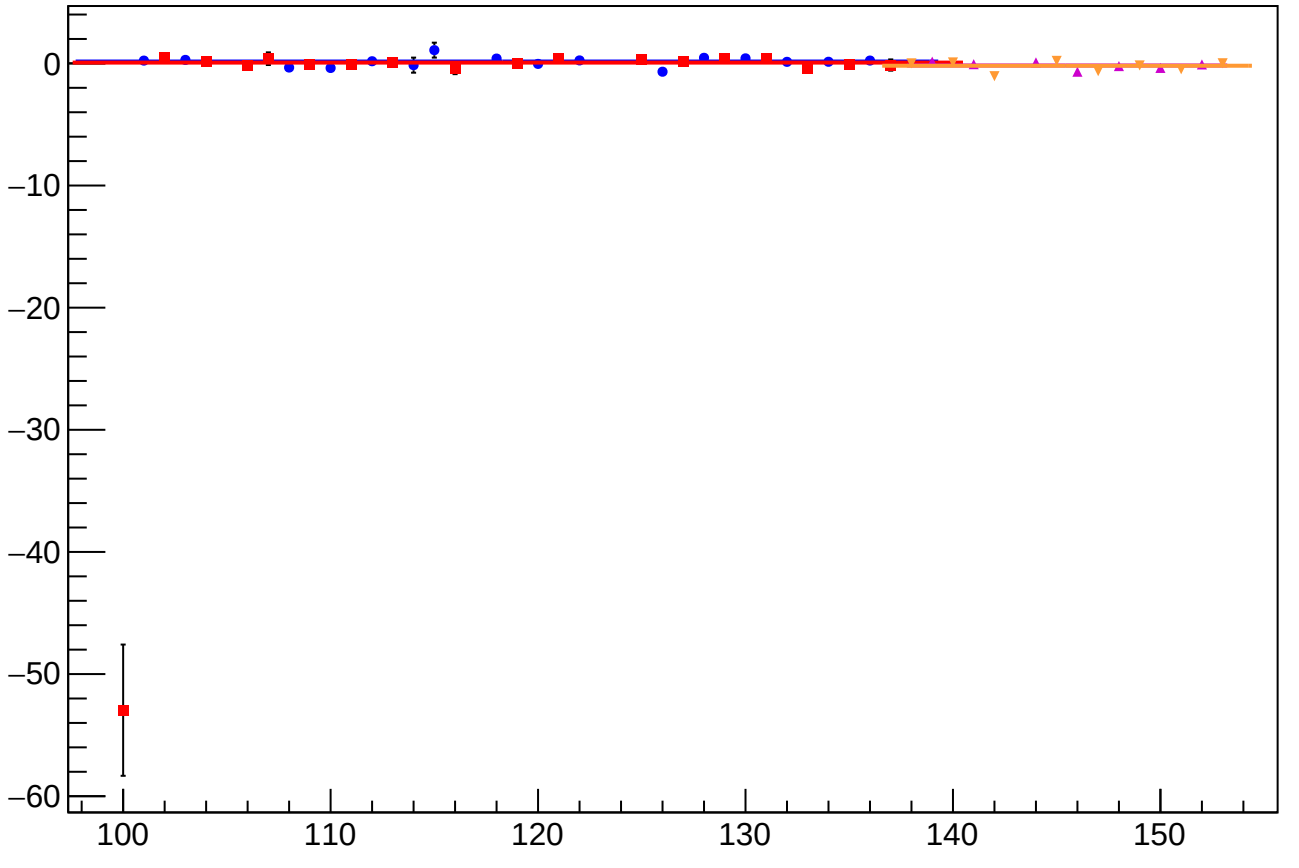
Left: 0.233+/-0.047 χ^2/NDF: 16.7/14

Right: 0.169+/-0.052 χ^2/NDF: 32.6/33

In: 0.138+/-0.050 χ^2/NDF:28.7/22

Out: 0.267+/-0.049 χ^2/NDF:18.0/25

All: 0.204+/-0.035 χ^2/NDF: 50.2/48



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.192+/-0.096 χ^2/NDF:13.0/7

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

Left In: -0.172+/-0.098 χ^2/NDF:7.6/6

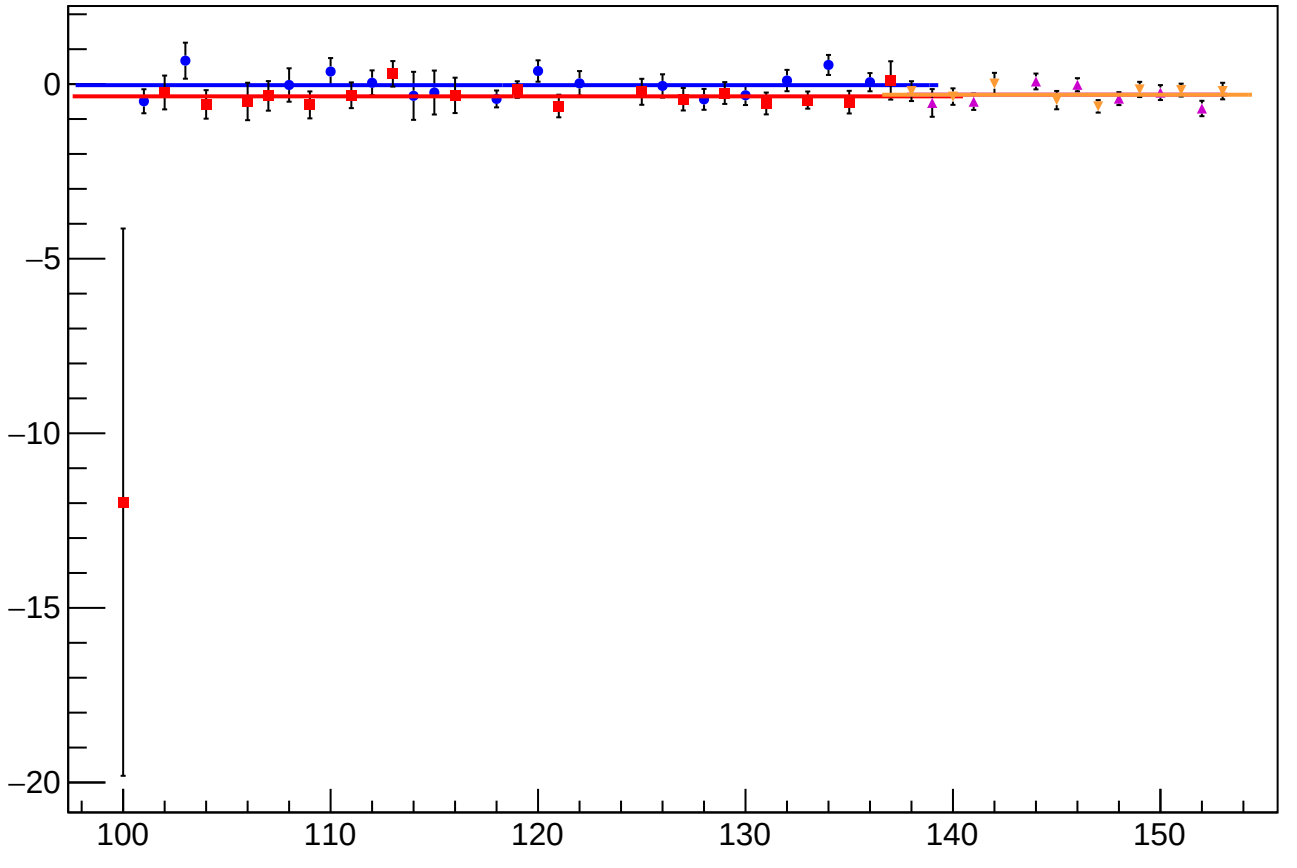
Left: -0.182+/-0.069 χ^2/NDF: 20.7/14

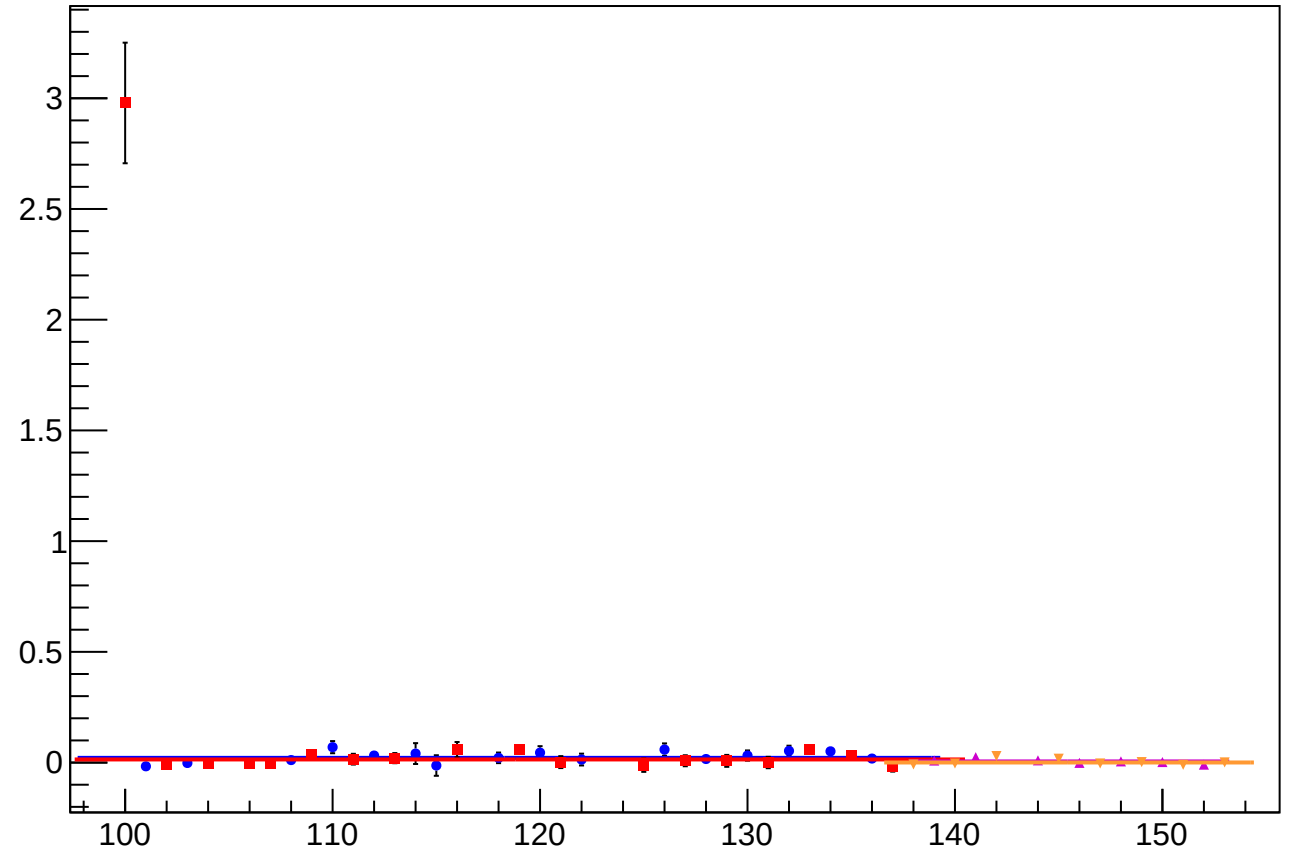
Right: 0.110+/-0.057 χ^2/NDF: 125.5/33

In: 0.024+/-0.062 χ^2/NDF:29.9/22

Out: -0.041+/-0.062 χ^2/NDF:126.5/25

All: -0.008+/-0.044 χ^2/NDF: 156.9/48


reg_asym_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
100
110
120
130
140
150
Right In: -0.030+/-0.084 χ²/NDF: 16.8/15
Left Out: -0.304+/-0.080 χ²/NDF:6.2/7
Right Out: -0.350+/-0.085 χ²/NDF: 9.4/17
Left In: -0.302+/-0.083 χ²/NDF:9.8/6
Left: -0.303+/-0.058 χ²/NDF: 16.1/14
Right: -0.188+/-0.060 χ²/NDF: 33.4/33
In: -0.167+/-0.059 χ²/NDF:31.9/22
Out: -0.326+/-0.058 χ²/NDF:15.8/25
All: -0.247+/-0.042 χ²/NDF: 51.4/48



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: 0.000+/-0.004 χ^2/NDF:7.7/7

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

Left In: 0.005+/-0.004 χ^2/NDF:6.1/6

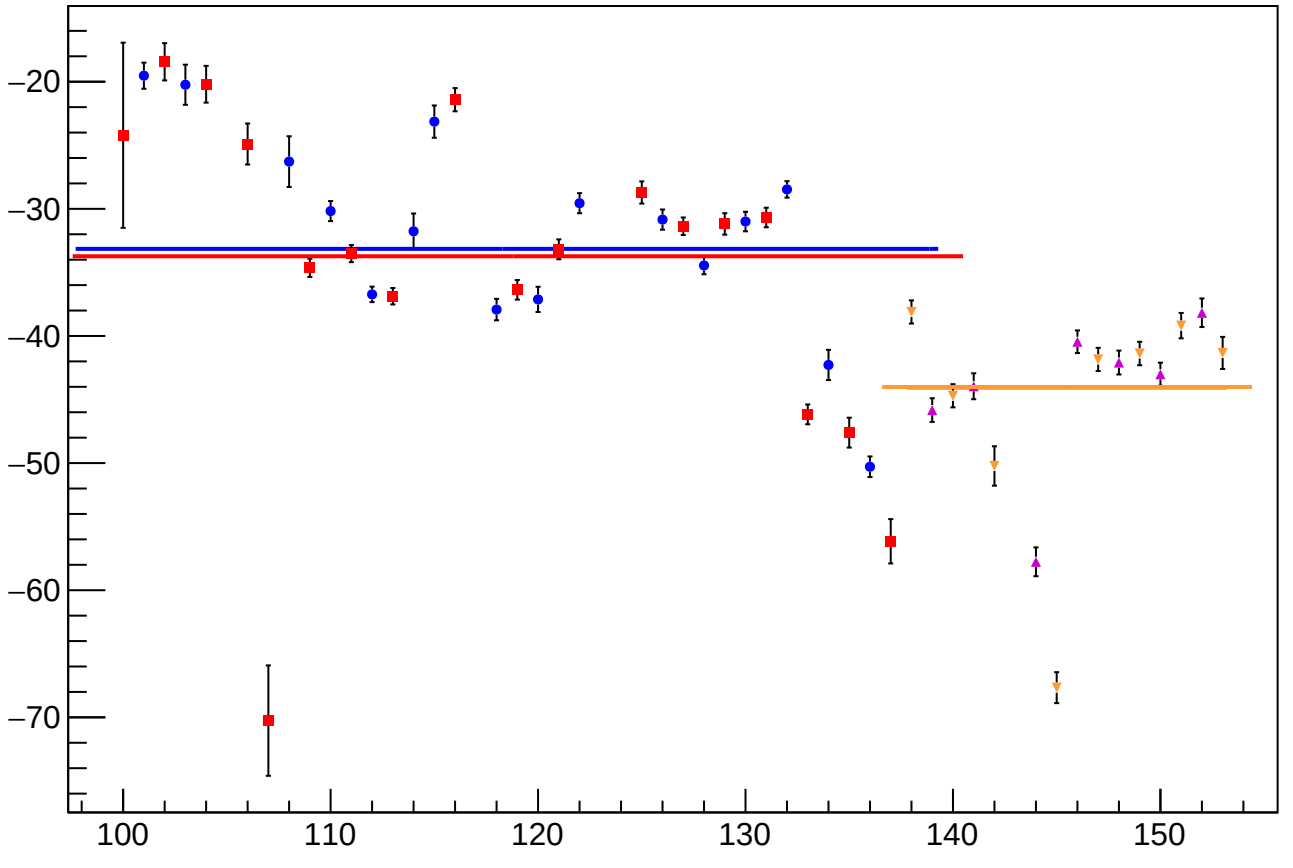
Left: 0.003+/-0.003 χ^2/NDF: 14.6/14

Right: 0.018+/-0.003 χ^2/NDF: 164.5/33

In: 0.012+/-0.003 χ^2/NDF:35.3/22

Out: 0.006+/-0.003 χ^2/NDF:153.4/25

All: 0.009+/-0.002 χ^2/NDF: 190.6/48



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -44.016+/-0.365 χ^2/NDF:477.9/7

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

Left In: -44.045+/-0.370 χ^2/NDF:199.3/6

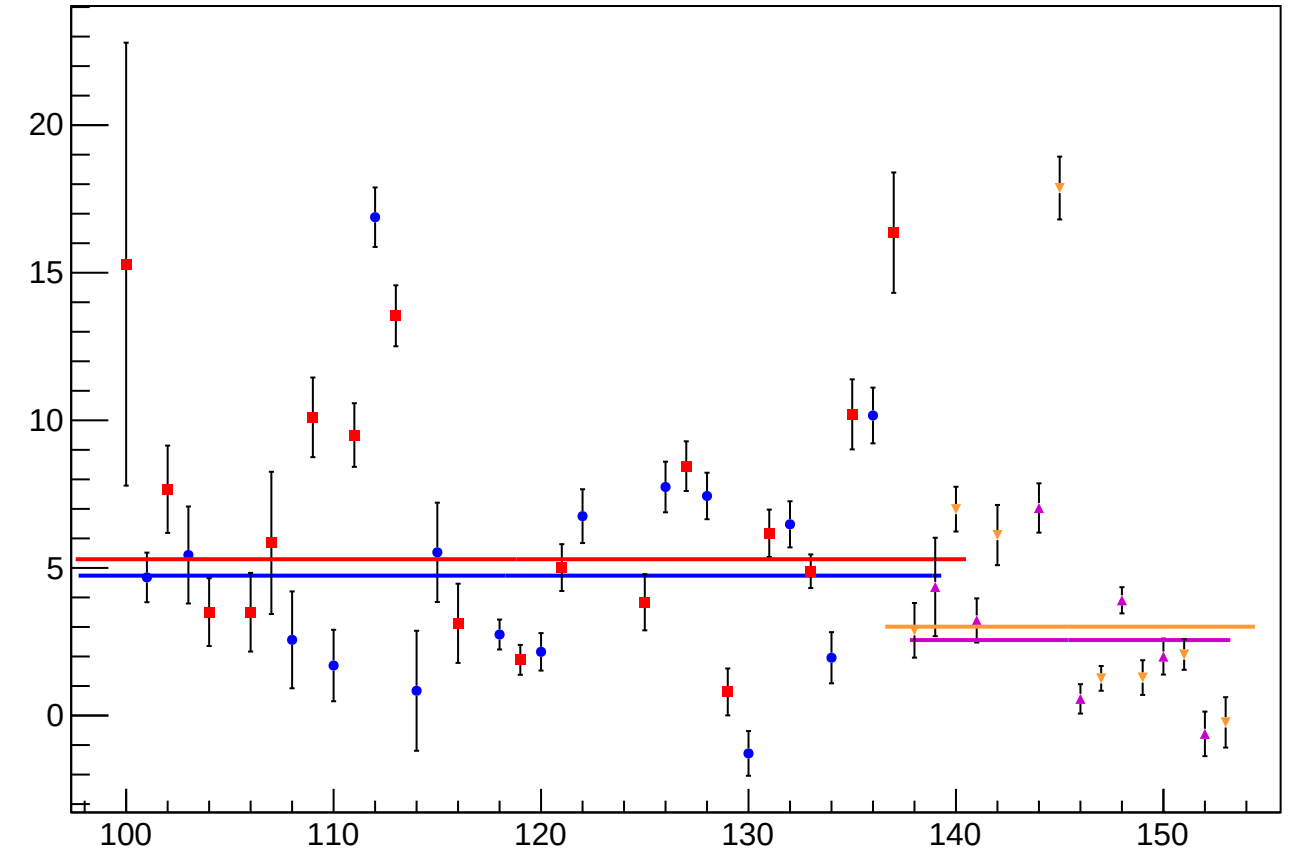
Left: -44.030+/-0.260 χ^2/NDF: 677.1/14

Right: -33.443+/-0.153 χ^2/NDF: 2166.0/33

In: -35.951+/-0.188 χ^2/NDF:1856.1/22

Out: -36.379+/-0.185 χ^2/NDF:2216.4/25

All: -36.168+/-0.132 χ^2/NDF: 4075.1/48



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 3.010+/-0.233 χ^2/NDF:275.6/7

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

Left In: 2.556+/-0.242 χ^2/NDF:74.4/6

Left: 2.791+/-0.168 χ^2/NDF: 351.9/14

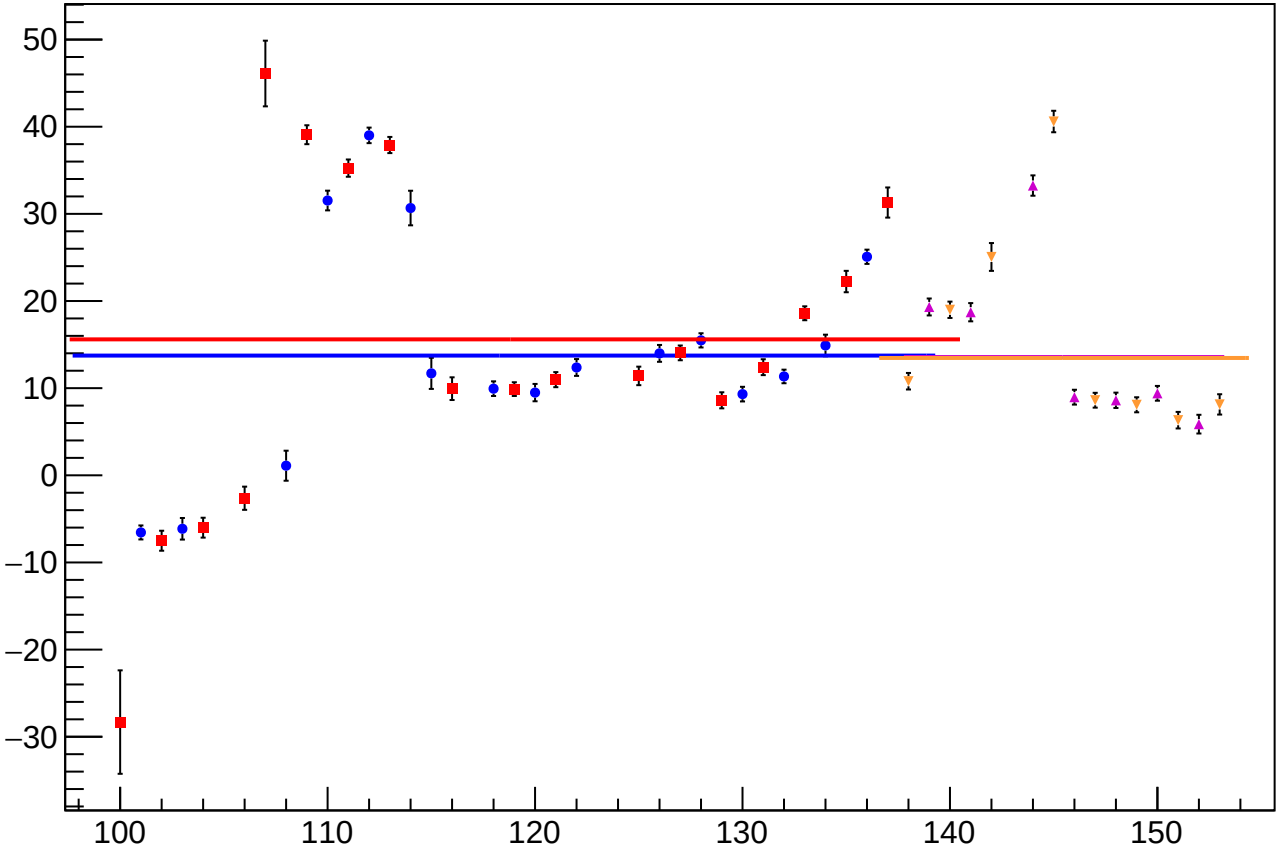
Right: 5.012+/-0.156 χ^2/NDF: 577.8/33

In: 3.753+/-0.162 χ^2/NDF:448.8/22

Out: 4.201+/-0.161 χ^2/NDF:570.8/25

All: 3.979+/-0.114 χ^2/NDF: 1023.4/48

reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 13.465+/-0.357 χ^2/NDF:728.7/7

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

Left In: 13.571+/-0.362 χ^2/NDF:480.1/6

Left: 13.517+/-0.254 χ^2/NDF: 1208.8/14

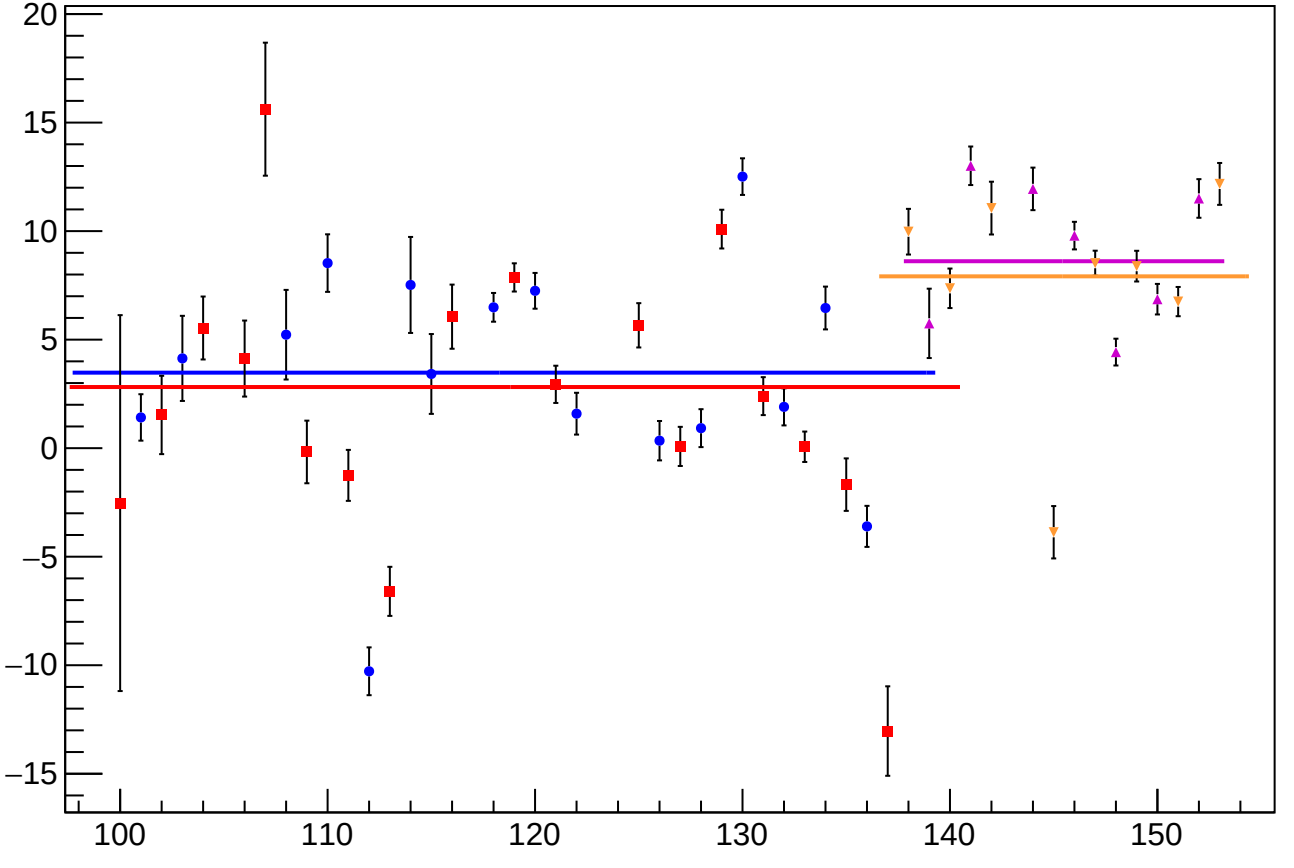
Right: 14.656+/-0.176 χ^2/NDF: 5204.2/33

In: 13.685+/-0.204 χ^2/NDF:2830.1/22

Out: 14.896+/-0.205 χ^2/NDF:3579.0/25

All: 14.288+/-0.144 χ^2/NDF: 6426.7/48

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: 7.916+/-0.292 χ^2/NDF:130.4/7

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

Left In: 8.613+/-0.300 χ^2/NDF:105.5/6

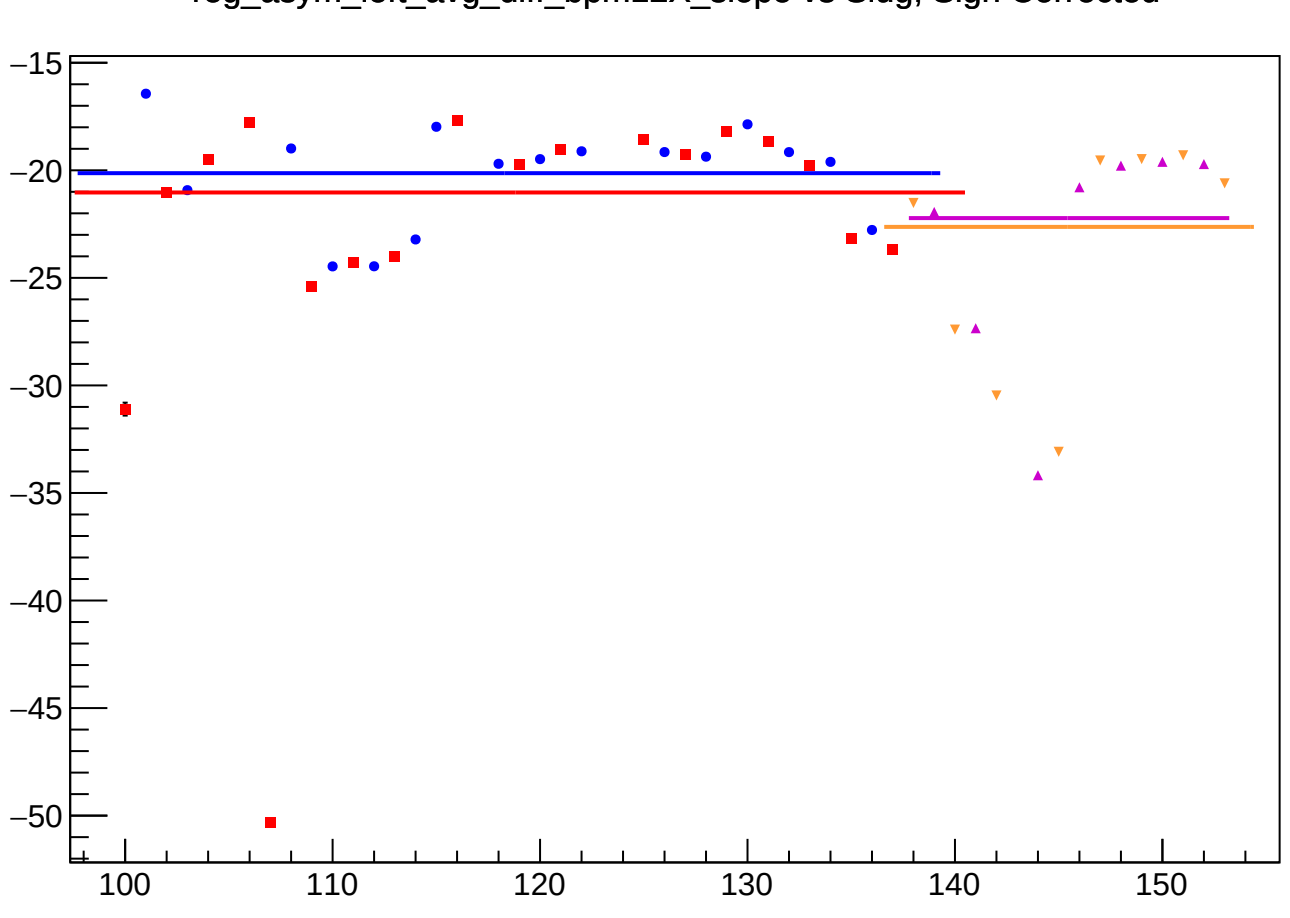
Left: 8.254+/-0.209 χ^2/NDF: 238.7/14

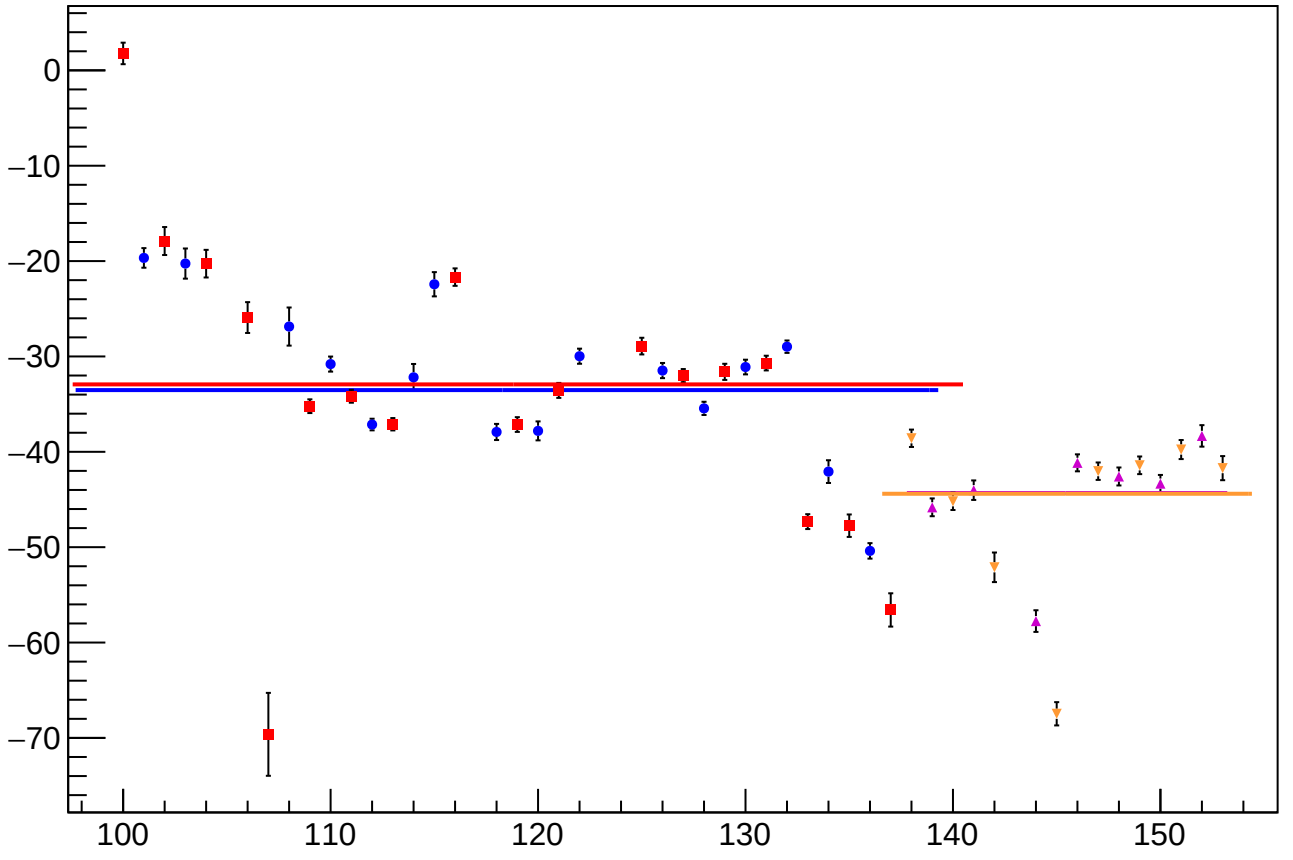
Right: 3.153+/-0.181 χ^2/NDF: 776.3/33

In: 5.616+/-0.194 χ^2/NDF:703.6/22

Out: 5.049+/-0.193 χ^2/NDF:647.7/25

All: 5.332+/-0.137 χ^2/NDF: 1355.6/48


reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected
−15
−20
−25
−30
−35
−40
−45
−50
100
110
120
130
140
150
Right In: -20.133+/-0.016 χ²/NDF: 19831.2/15
Left Out: -22.630+/-0.015 χ²/NDF:99236.7/7
Right Out: -21.031+/-0.016 χ²/NDF: 57523.6/17
Left In: -22.221+/-0.014 χ²/NDF:82589.4/6
Left: -22.424+/-0.010 χ²/NDF: 182224.8/14
Right: -20.570+/-0.011 χ²/NDF: 78882.9/33
In: -21.286+/-0.011 χ²/NDF:111806.6/22
Out: -21.929+/-0.011 χ²/NDF:162068.1/25
All: -21.602+/-0.008 χ²/NDF: 275644.2/48



Right In: -33.528+/-0.218 χ^2/NDF: 1008.7/15

Left Out: -44.398+/-0.365 χ^2/NDF:467.0/7

Right Out: -32.931+/-0.212 χ^2/NDF: 2170.0/17

Left In: -44.321+/-0.371 χ^2/NDF:187.9/6

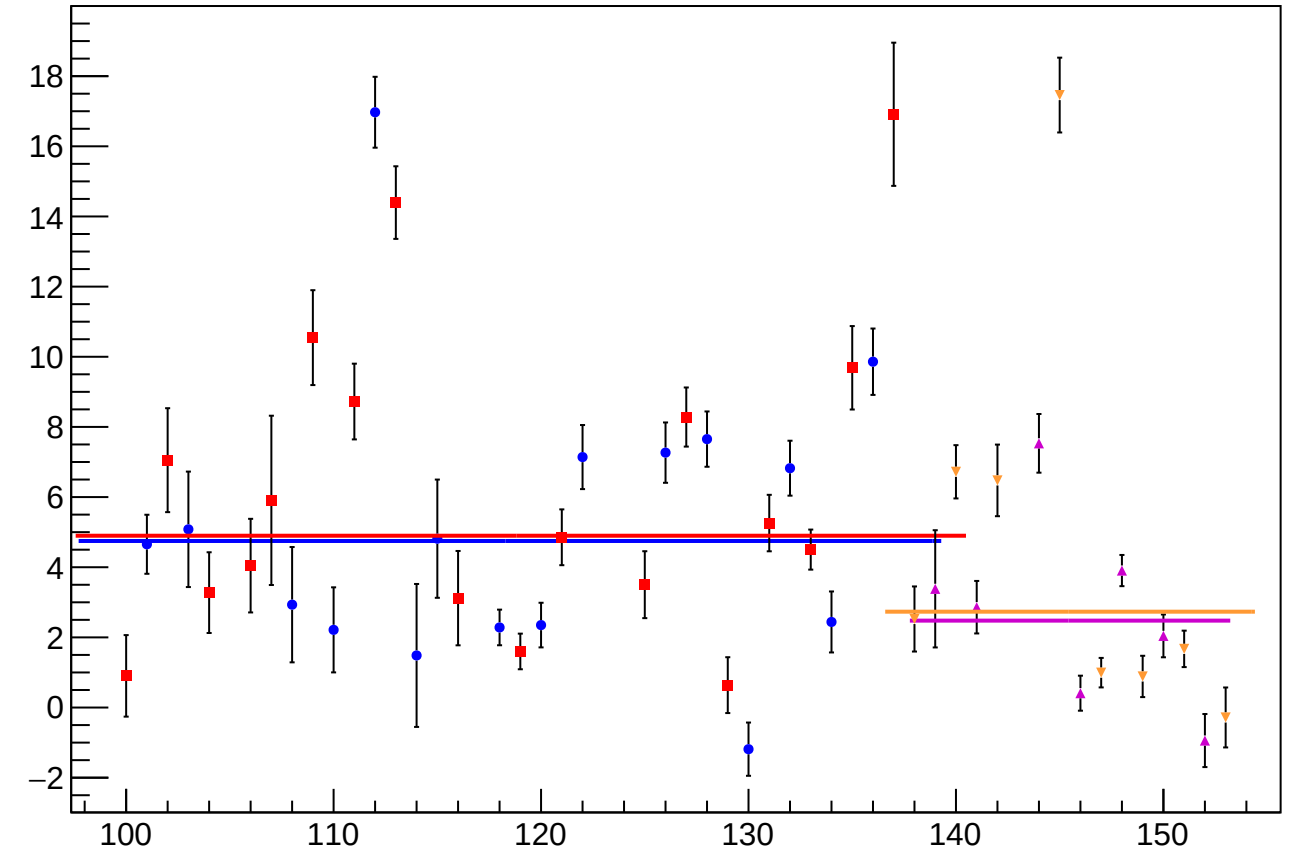
Left: -44.360+/-0.260 χ^2/NDF: 654.9/14

Right: -33.220+/-0.152 χ^2/NDF: 3182.6/33

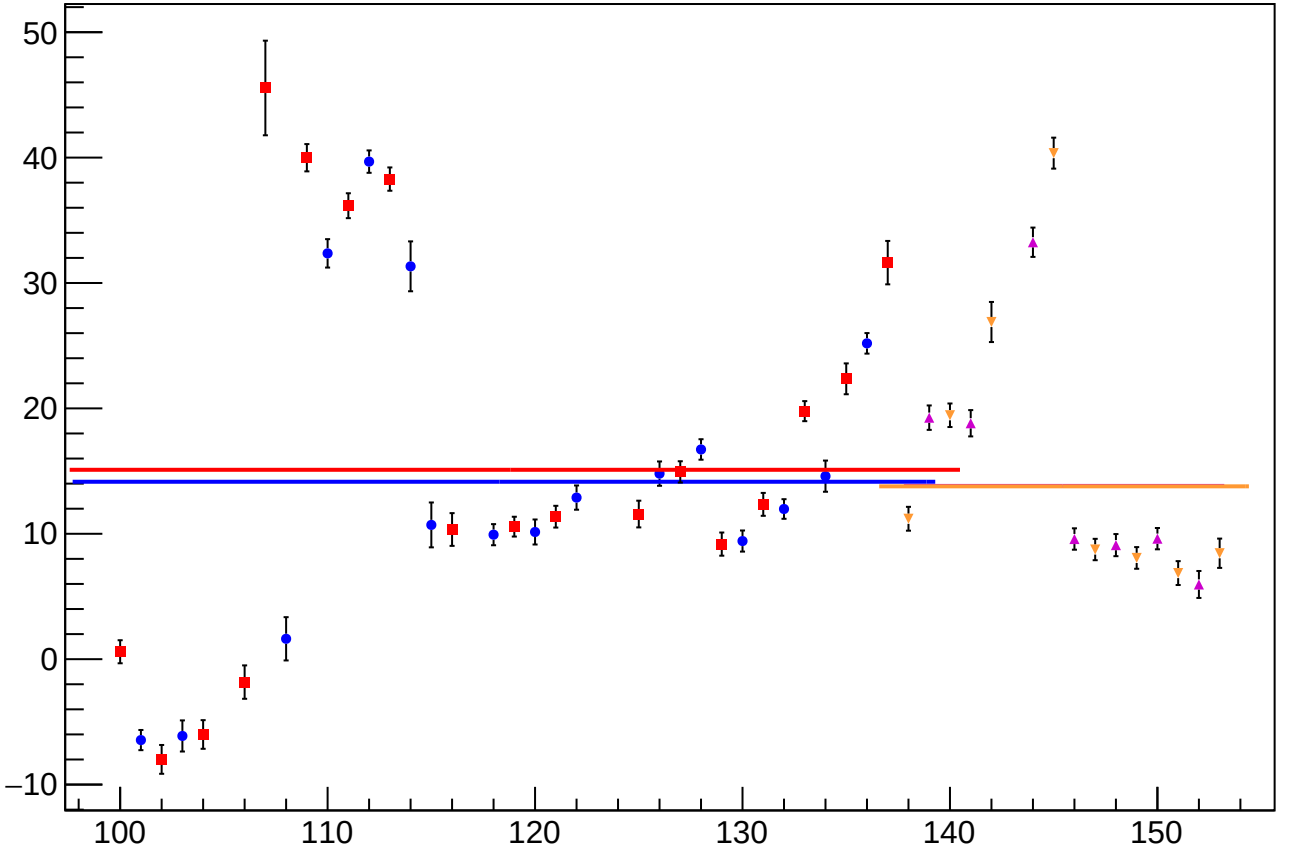
In: -36.305+/-0.188 χ^2/NDF:1824.8/22

Out: -35.810+/-0.183 χ^2/NDF:3374.4/25

All: -36.051+/-0.131 χ^2/NDF: 5202.7/48


reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
18
16
14
12
10
8
6
4
2
0
−2
100
110
120
130
140
150
Right In: 4.748+/-0.220 χ²/NDF: 325.7/15
Left Out: 2.733+/-0.233 χ²/NDF:275.3/7
Right Out: 4.898+/-0.220 χ²/NDF: 273.1/17
Left In: 2.478+/-0.242 χ²/NDF:85.5/6
Left: 2.610+/-0.168 χ²/NDF: 361.3/14
Right: 4.823+/-0.155 χ²/NDF: 599.0/33
In: 3.723+/-0.163 χ²/NDF:459.5/22
Out: 3.880+/-0.160 χ²/NDF:593.9/25
All: 3.803+/-0.114 χ²/NDF: 1053.9/48

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 13.783+/-0.357 χ^2/NDF:726.2/7

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

Left In: 13.817+/-0.363 χ^2/NDF:461.6/6

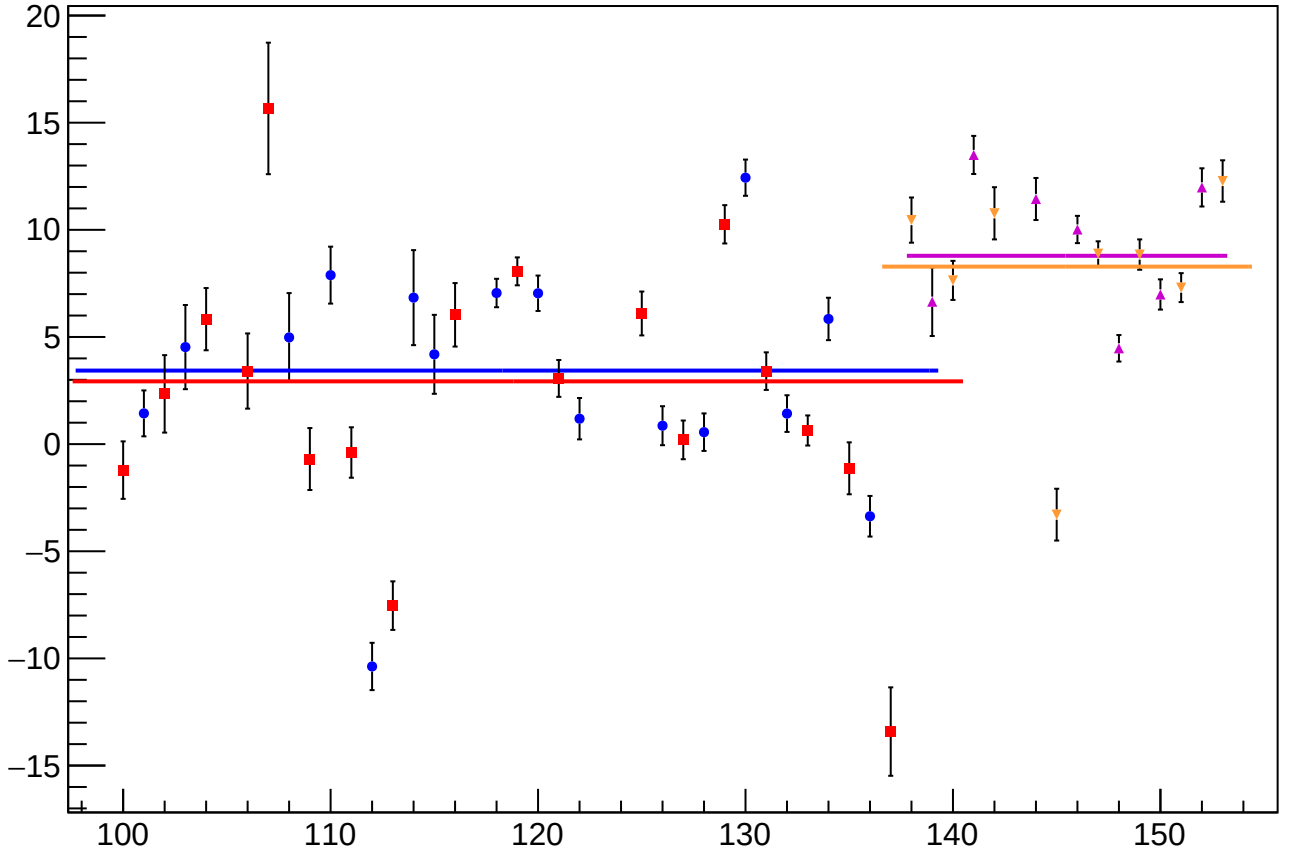
Left: 13.800+/-0.254 χ^2/NDF: 1187.8/14

Right: 14.636+/-0.173 χ^2/NDF: 5512.3/33

In: 14.044+/-0.204 χ^2/NDF:2864.5/22

Out: 14.688+/-0.200 χ^2/NDF:3837.9/25

All: 14.372+/-0.143 χ^2/NDF: 6707.4/48



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 8.283+/-0.292 χ^2/NDF:121.4/7

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

Left In: 8.788+/-0.301 χ^2/NDF:108.8/6

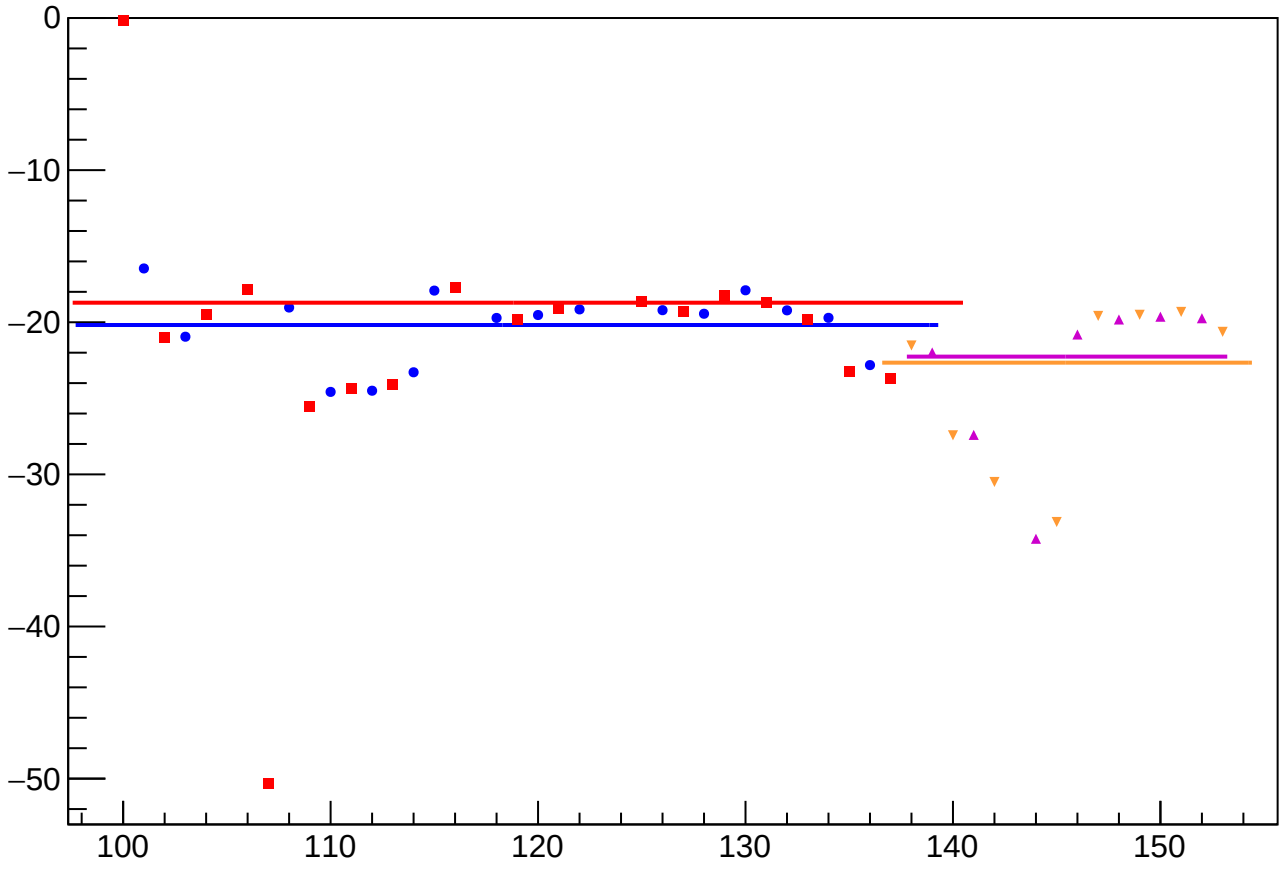
Left: 8.528+/-0.210 χ^2/NDF: 231.7/14

Right: 3.179+/-0.179 χ^2/NDF: 793.7/33

In: 5.663+/-0.194 χ^2/NDF:717.7/22

Out: 5.228+/-0.191 χ^2/NDF:681.0/25

All: 5.442+/-0.136 χ^2/NDF: 1401.3/48



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -22.656+/-0.015 χ^2/NDF:99047.8/7

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

Left In: -22.258+/-0.014 χ^2/NDF:82730.2/6

Left: -22.456+/-0.010 χ^2/NDF: 182153.0/14

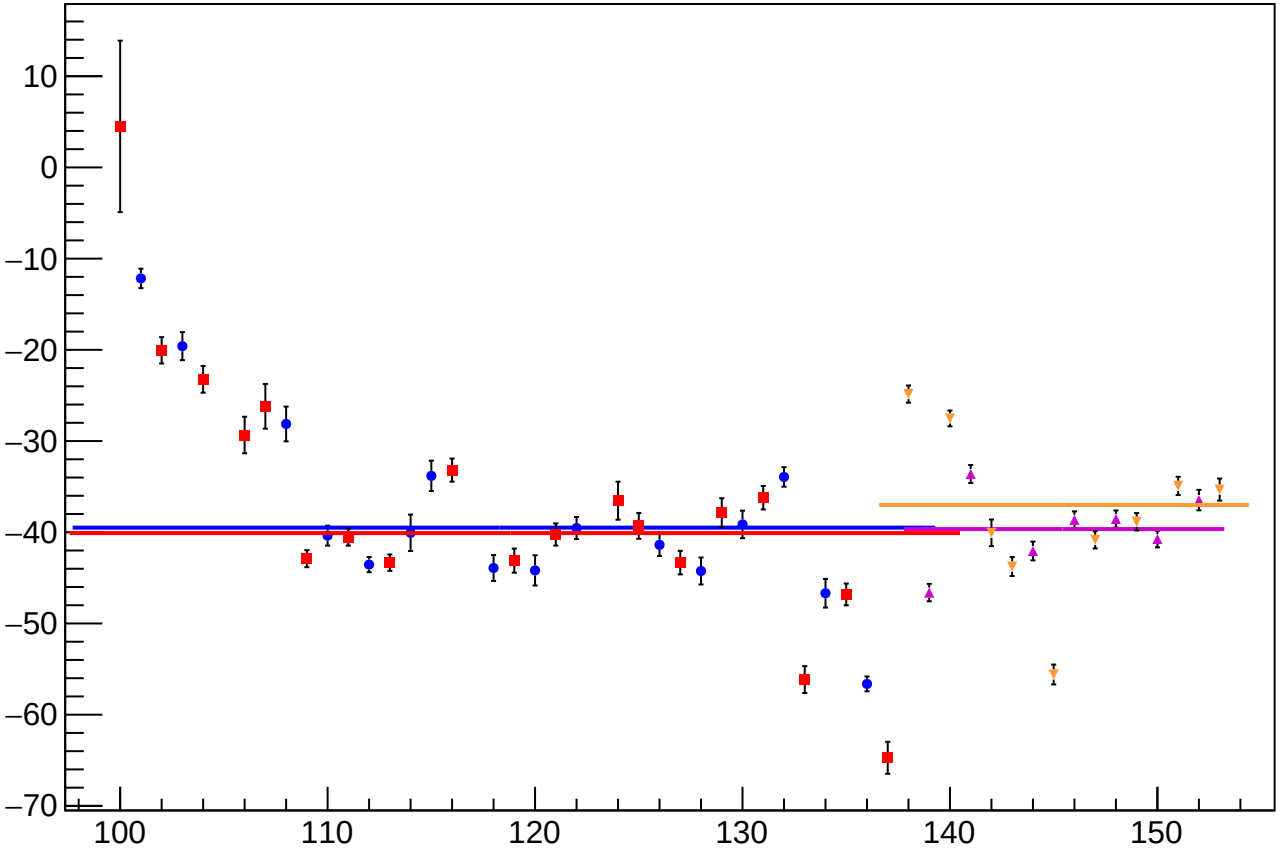
Right: -19.425+/-0.011 χ^2/NDF: 258824.1/33

In: -21.328+/-0.011 χ^2/NDF:111842.1/22

Out: -20.816+/-0.011 χ^2/NDF:367906.9/25

All: -21.069+/-0.008 χ^2/NDF: 480896.6/48

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: -37.011+/-0.340 χ^2/NDF:652.4/8

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

Left In: -39.650+/-0.368 χ^2/NDF:108.4/6

Left: -38.227+/-0.250 χ^2/NDF: 788.5/15

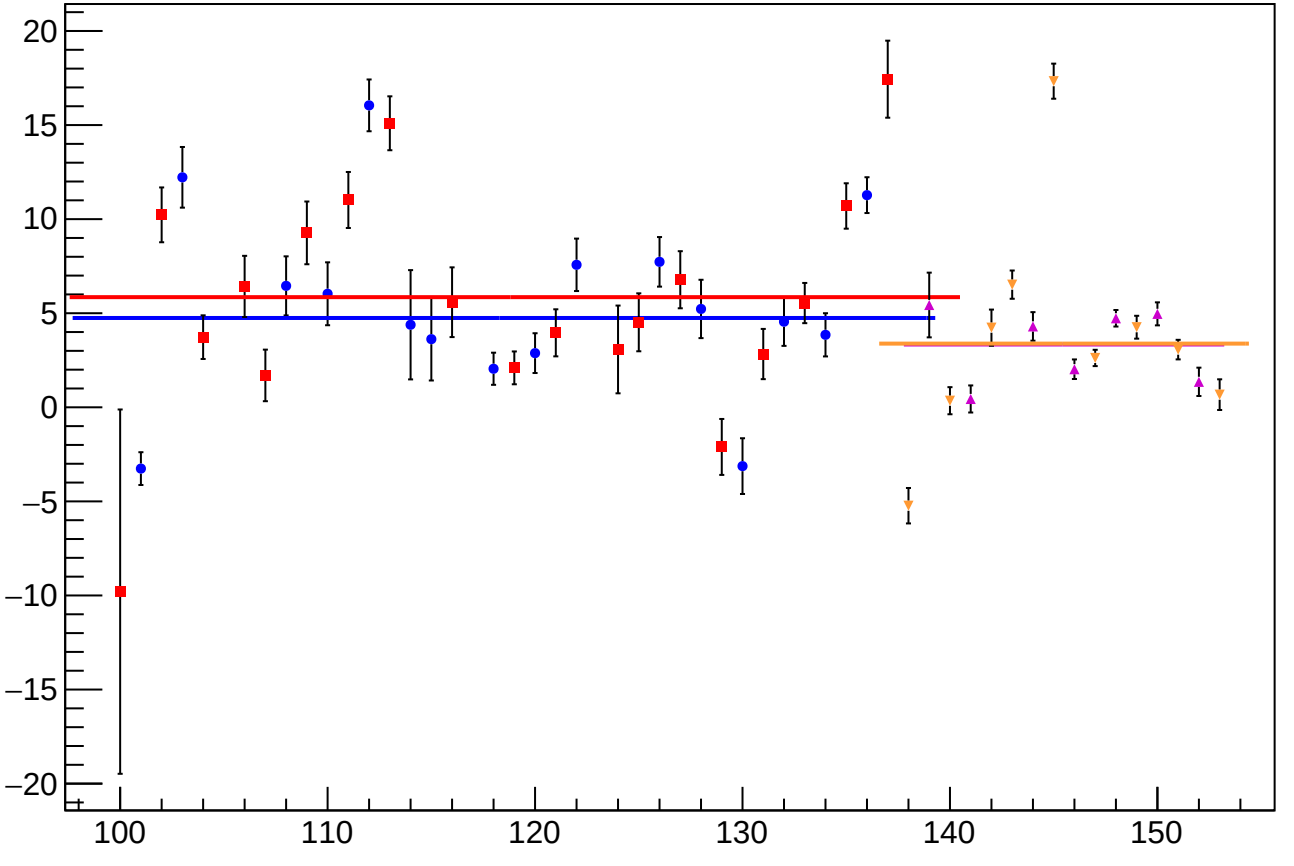
Right: -39.795+/-0.218 χ^2/NDF: 2253.9/34

In: -39.558+/-0.237 χ^2/NDF:1525.6/22

Out: -38.708+/-0.228 χ^2/NDF:1532.4/27

All: -39.116+/-0.164 χ^2/NDF: 3064.7/50

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: 3.385+/-0.222 χ^2/NDF:360.0/8

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

Left In: 3.338+/-0.240 χ^2/NDF:49.8/6

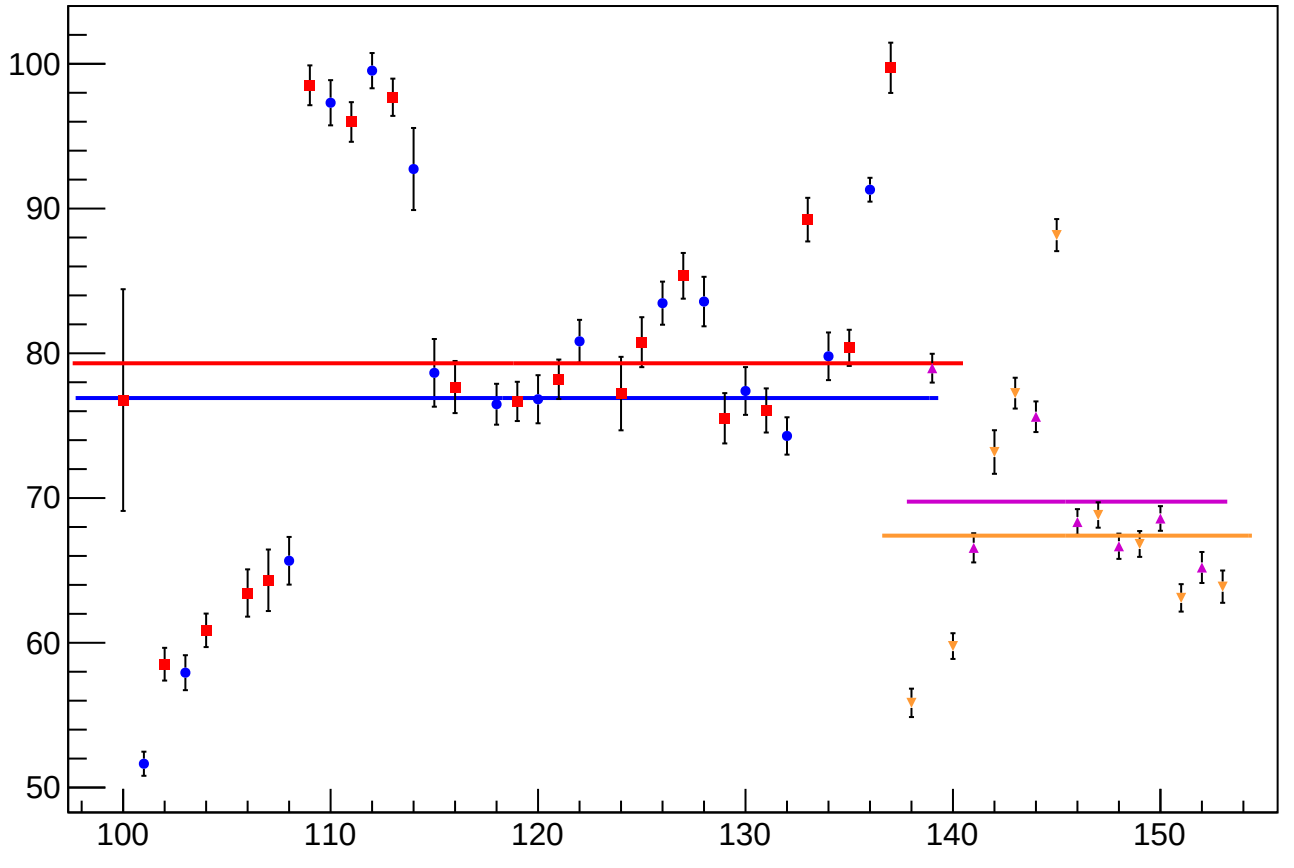
Left: 3.363+/-0.163 χ^2/NDF: 409.7/15

Right: 5.287+/-0.226 χ^2/NDF: 467.4/34

In: 3.854+/-0.191 χ^2/NDF:336.2/22

Out: 4.174+/-0.183 χ^2/NDF:587.1/27

All: 4.021+/-0.132 χ^2/NDF: 924.8/50



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 67.403+/-0.335 χ^2/NDF:697.0/8

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

Left In: 69.751+/-0.360 χ^2/NDF:161.4/6

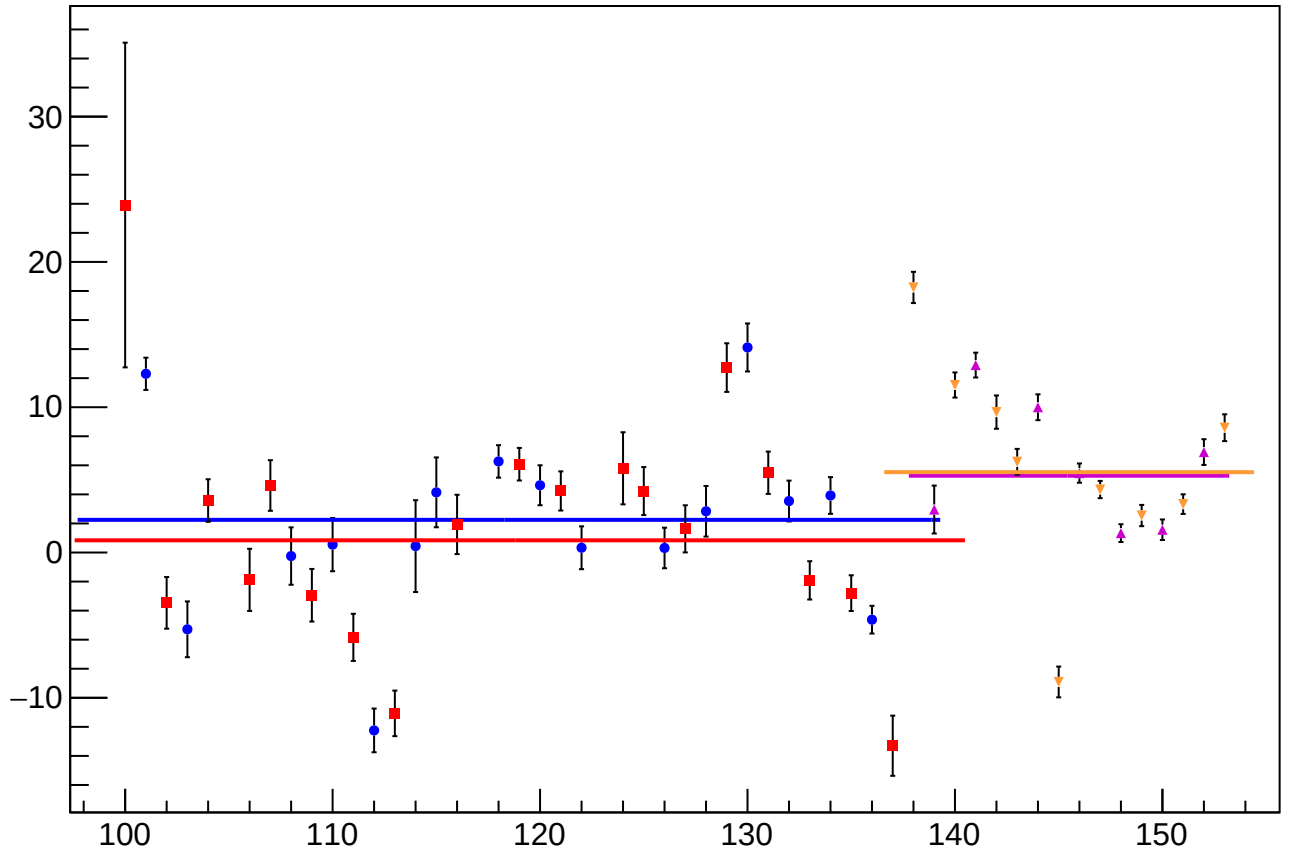
Left: 68.492+/-0.245 χ^2/NDF: 881.2/15

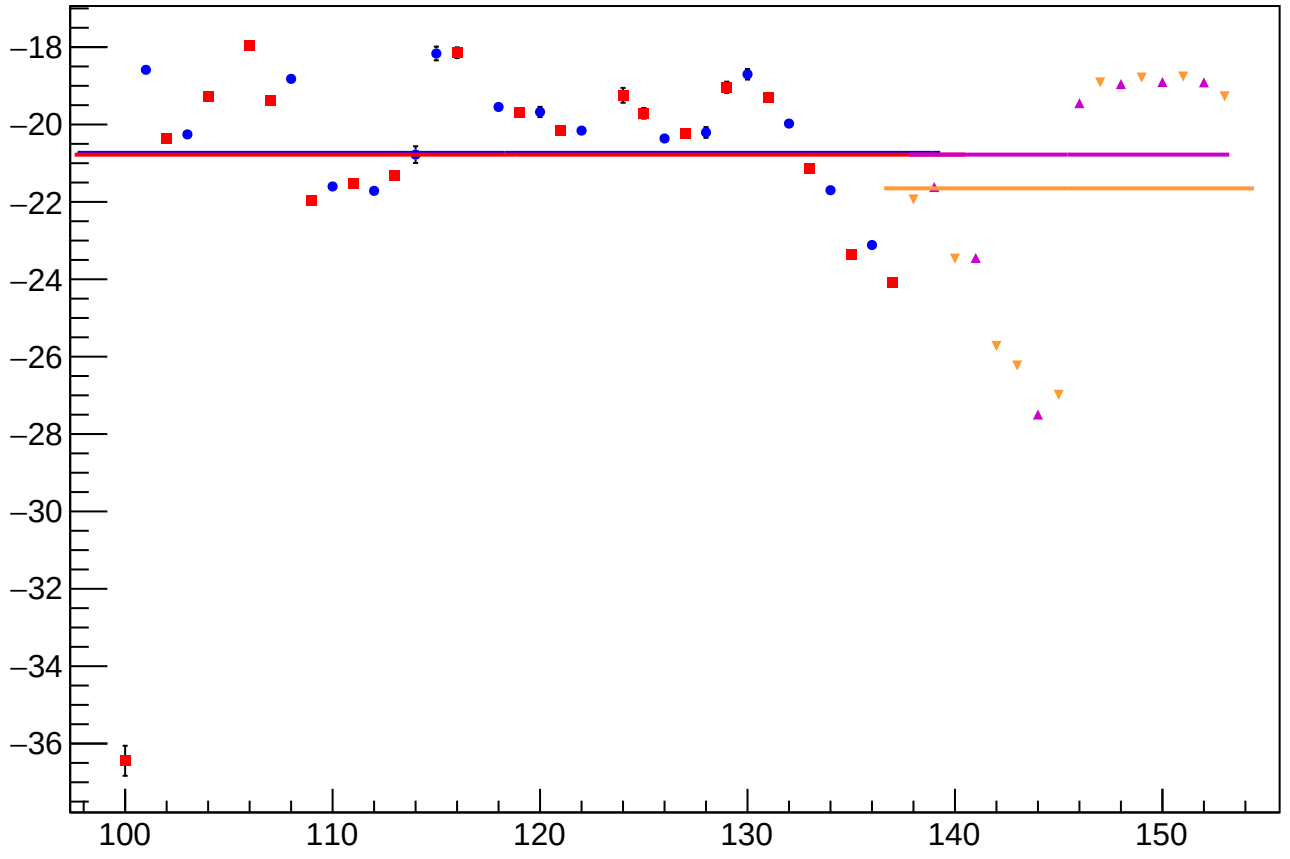
Right: 78.071+/-0.242 χ^2/NDF: 3636.9/34

In: 73.568+/-0.246 χ^2/NDF:2488.1/22

Out: 73.133+/-0.241 χ^2/NDF:2801.3/27

All: 73.347+/-0.172 χ^2/NDF: 5291.0/50


reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
30
20
10
0
−10
100
110
120
130
140
150
Right In: 2.248+/-0.363 χ²/NDF: 319.6/15
Left Out: 5.531+/-0.275 χ²/NDF:429.7/8
Right Out: 0.840+/-0.372 χ²/NDF: 256.2/18
Left In: 5.286+/-0.299 χ²/NDF:182.1/6
Left: 5.418+/-0.202 χ²/NDF: 612.2/15
Right: 1.561+/-0.260 χ²/NDF: 583.2/34
In: 4.060+/-0.231 χ²/NDF:543.5/22
Out: 3.872+/-0.221 χ²/NDF:788.6/27
All: 3.962+/-0.160 χ²/NDF: 1332.5/50



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -21.650+/-0.014 χ^2/NDF:52583.5/8

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

Left In: -20.778+/-0.014 χ^2/NDF:34013.0/6

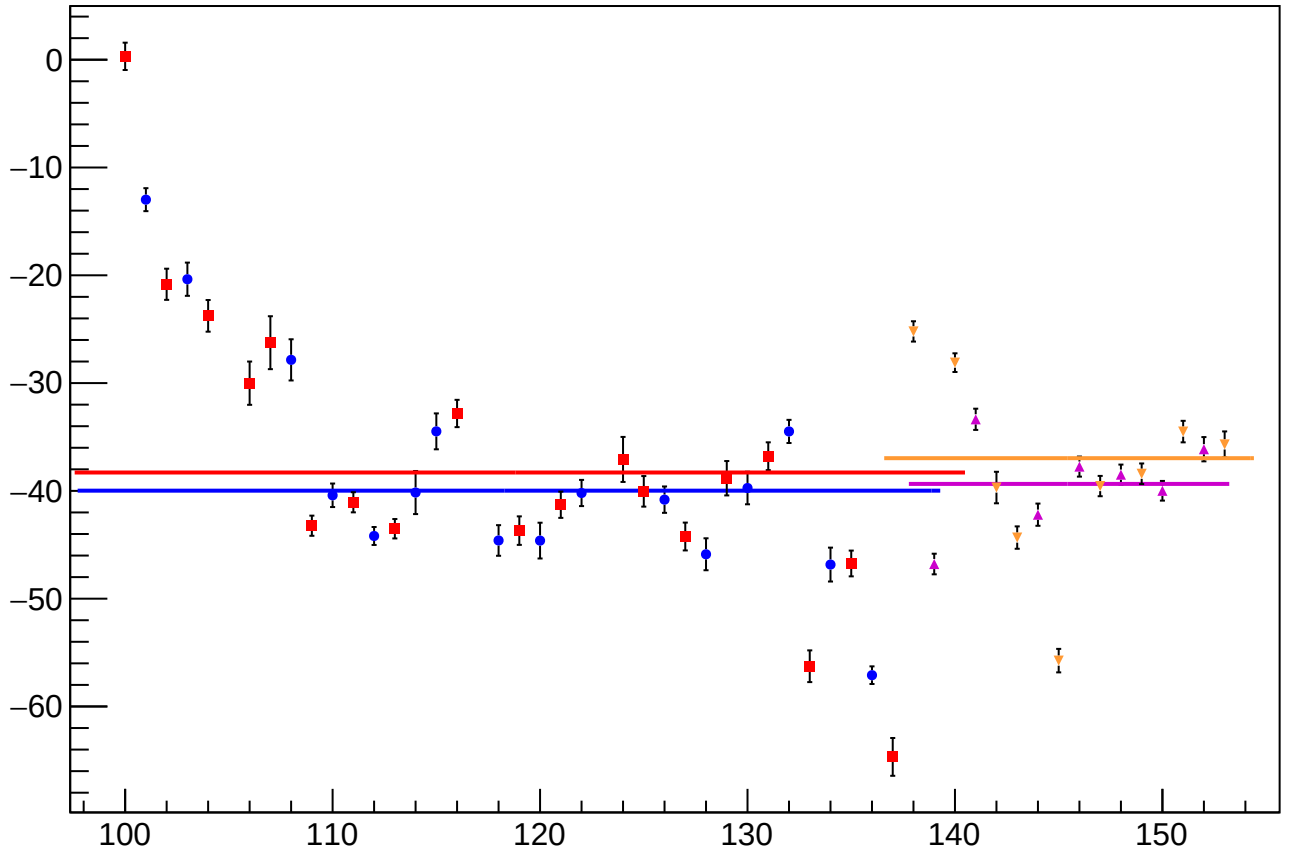
Left: -21.236+/-0.010 χ^2/NDF: 88528.8/15

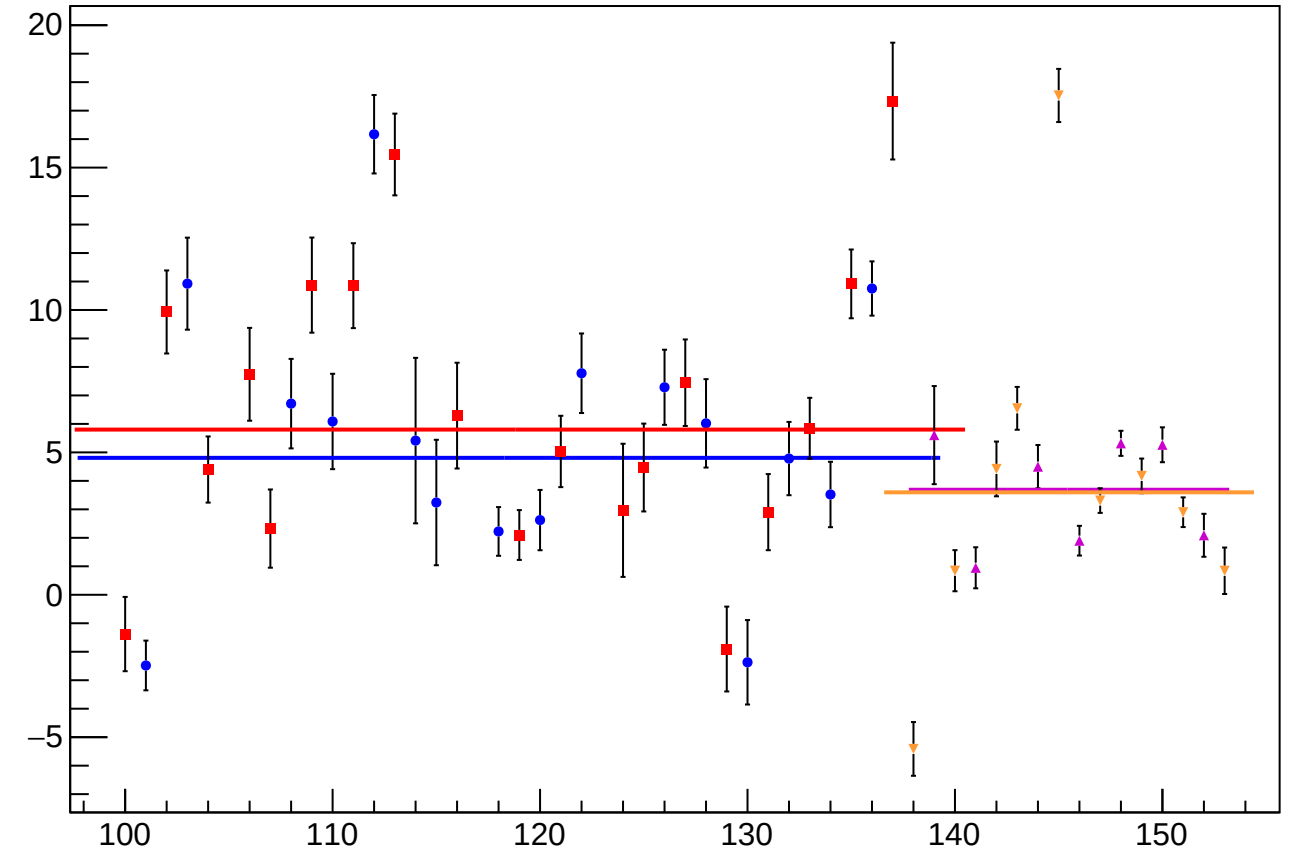
Right: -20.755+/-0.014 χ^2/NDF: 17063.4/34

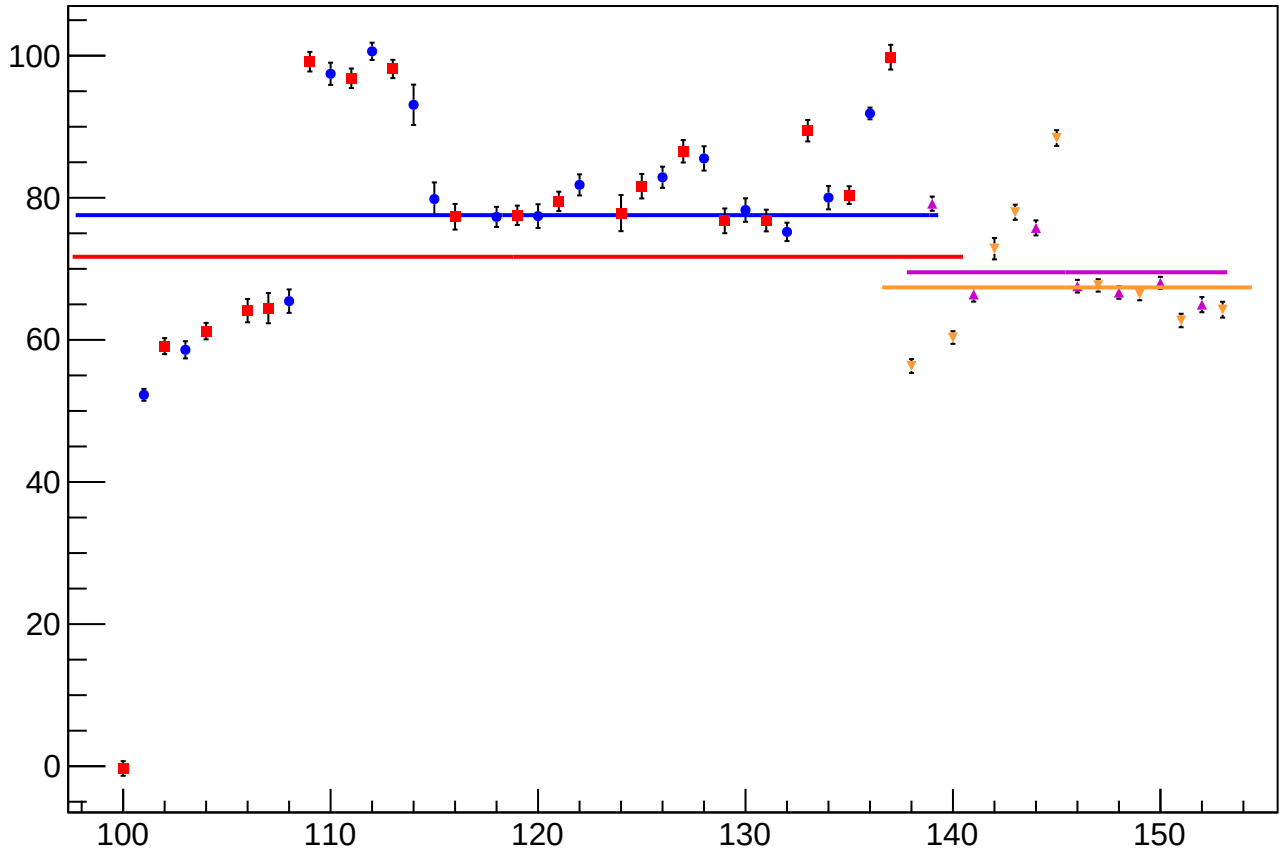
In: -20.762+/-0.012 χ^2/NDF:41650.6/22

Out: -21.376+/-0.011 χ^2/NDF:63288.2/27

All: -21.075+/-0.008 χ^2/NDF: 106379.5/50


reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
100
110
120
130
140
150
Right In: -39.979+/-0.311 χ²/NDF: 1398.4/15
Left Out: -36.966+/-0.341 χ²/NDF:628.0/8
Right Out: -38.295+/-0.299 χ²/NDF: 1773.8/18
Left In: -39.354+/-0.369 χ²/NDF:117.6/6
Left: -38.067+/-0.250 χ²/NDF: 768.2/15
Right: -39.104+/-0.216 χ²/NDF: 3187.4/34
In: -39.719+/-0.238 χ²/NDF:1517.7/22
Out: -37.717+/-0.225 χ²/NDF:2410.3/27
All: -38.662+/-0.163 χ²/NDF: 3965.4/50


reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
100
110
120
130
140
150
Right In: 4.808+/-0.316 χ²/NDF: 240.5/15
Left Out: 3.597+/-0.222 χ²/NDF:359.2/8
Right Out: 5.801+/-0.315 χ²/NDF: 216.4/18
Left In: 3.688+/-0.241 χ²/NDF:53.5/6
Left: 3.639+/-0.163 χ²/NDF: 412.7/15
Right: 5.307+/-0.223 χ²/NDF: 461.9/34
In: 4.099+/-0.192 χ²/NDF:301.9/22
Out: 4.330+/-0.182 χ²/NDF:608.3/27
All: 4.221+/-0.132 χ²/NDF: 910.9/50



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 67.383+/-0.336 χ^2/NDF:692.8/8

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

Left In: 69.514+/-0.361 χ^2/NDF:174.5/6

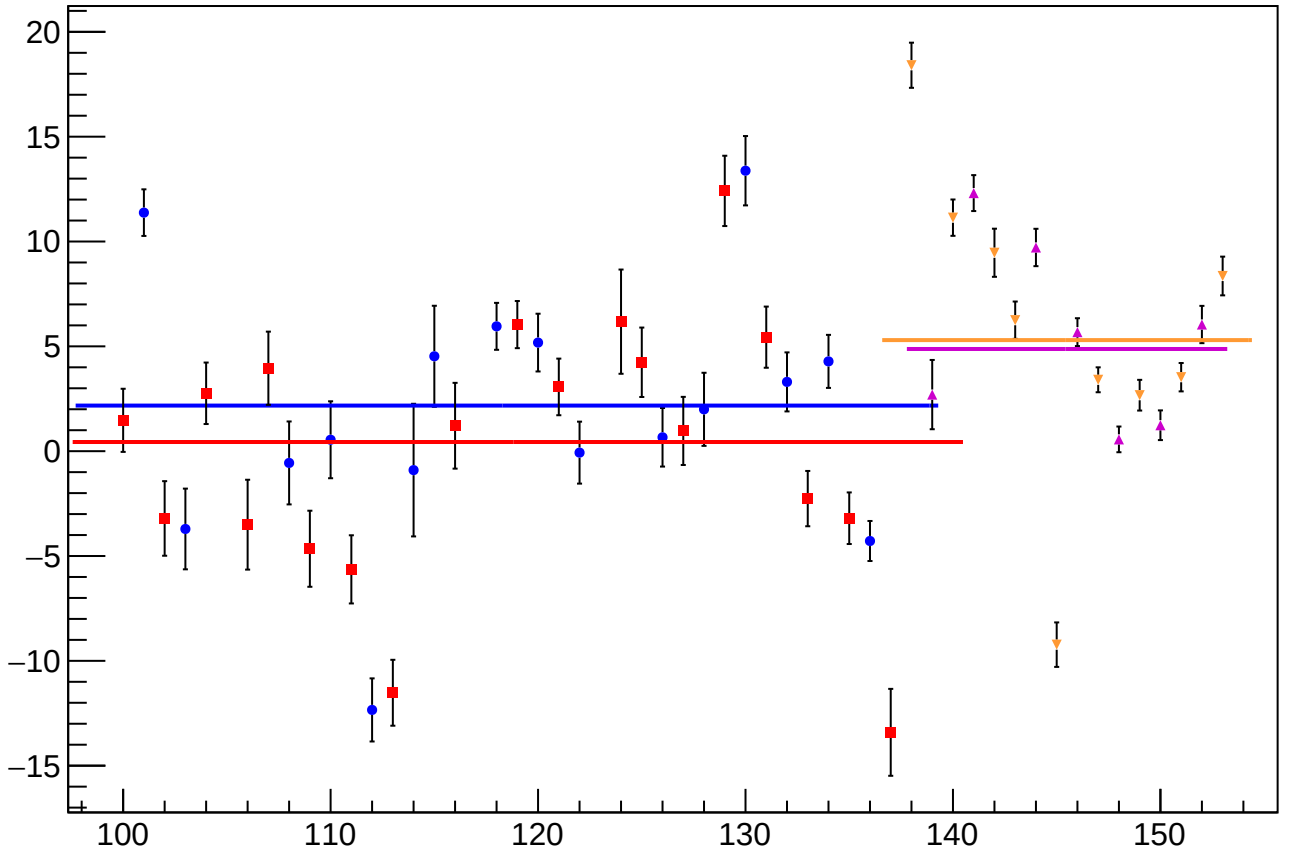
Left: 68.372+/-0.246 χ^2/NDF: 886.0/15

Right: 74.565+/-0.236 χ^2/NDF: 9175.5/34

In: 73.803+/-0.246 χ^2/NDF:2557.7/22

Out: 69.574+/-0.235 χ^2/NDF:7680.3/27

All: 71.592+/-0.170 χ^2/NDF: 10392.0/50



Right In: 2.175+/-0.364 χ^2/NDF: 290.3/15

Left Out: 5.298+/-0.276 χ^2/NDF:436.3/8

Right Out: 0.438+/-0.362 χ^2/NDF: 254.1/18

Left In: 4.874+/-0.299 χ^2/NDF:185.6/6

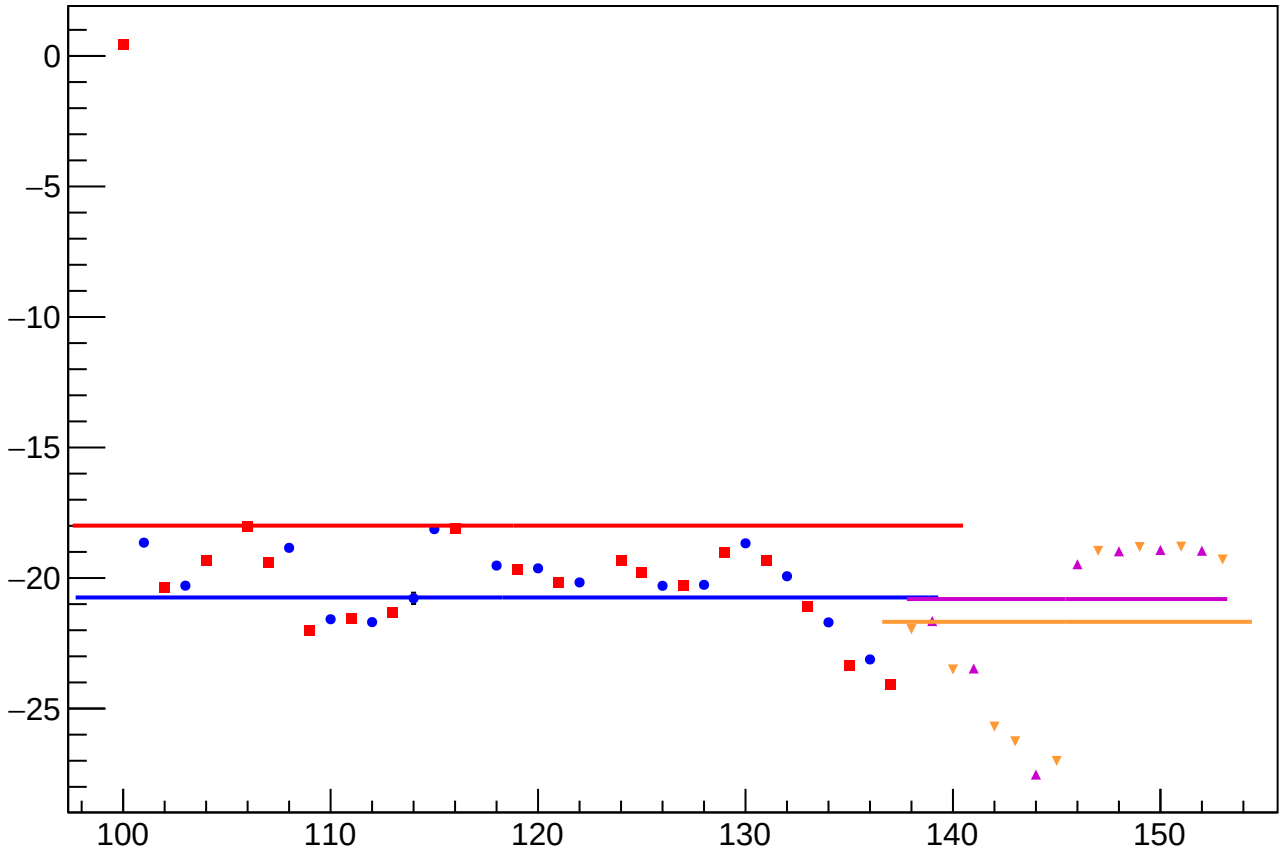
Left: 5.103+/-0.203 χ^2/NDF: 622.9/15

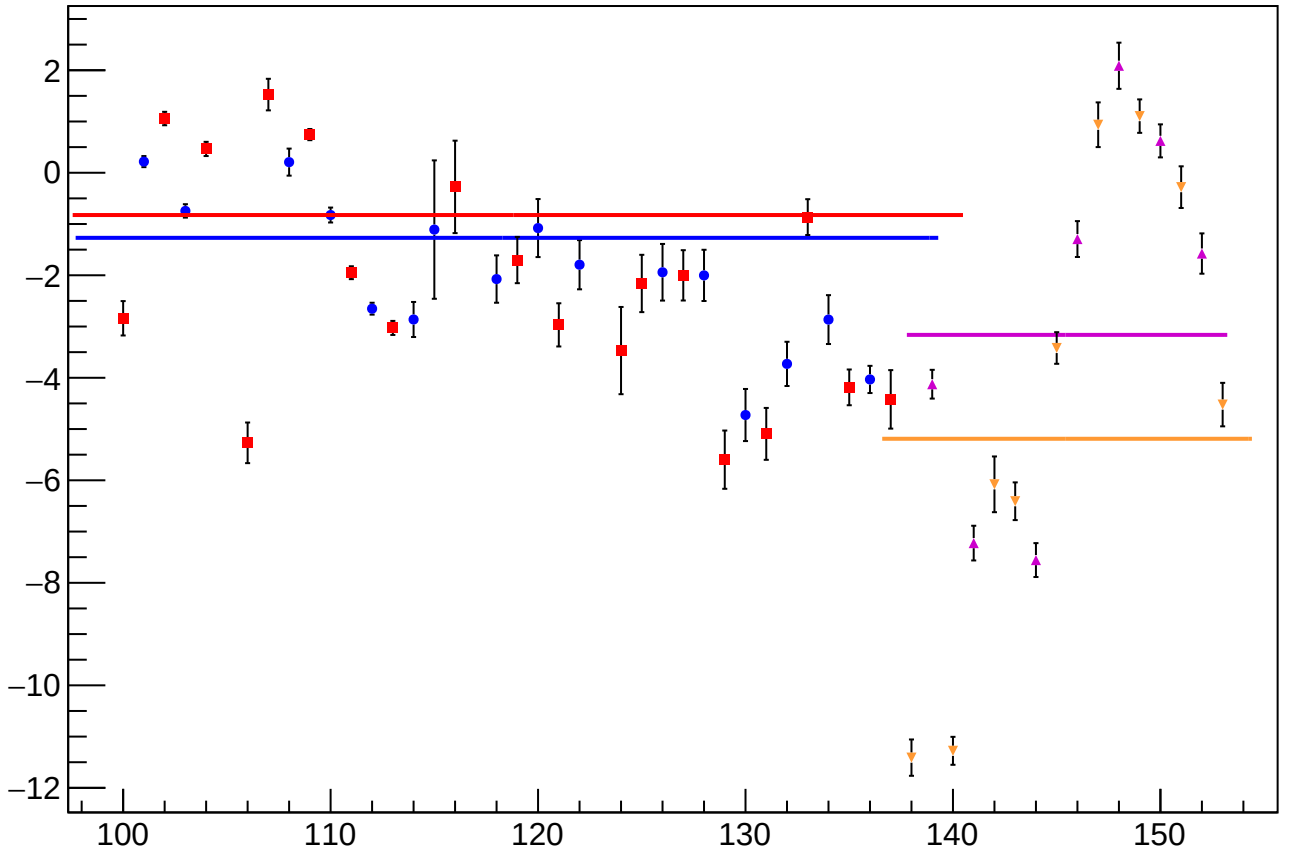
Right: 1.302+/-0.257 χ^2/NDF: 555.9/34

In: 3.785+/-0.231 χ^2/NDF:508.8/22

Out: 3.513+/-0.219 χ^2/NDF:804.5/27

All: 3.642+/-0.159 χ^2/NDF: 1314.0/50


reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
−25
100
110
120
130
140
150
Right In: -20.745+/-0.019 χ²/NDF: 7513.6/15
Left Out: -21.677+/-0.014 χ²/NDF:52200.3/8
Right Out: -17.993+/-0.019 χ²/NDF: 150579.1/18
Left In: -20.806+/-0.014 χ²/NDF:33895.5/6
Left: -21.263+/-0.010 χ²/NDF: 88014.8/15
Right: -19.328+/-0.014 χ²/NDF: 168397.6/34
In: -20.784+/-0.012 χ²/NDF:41415.5/22
Out: -20.406+/-0.011 χ²/NDF:227721.7/27
All: -20.587+/-0.008 χ²/NDF: 269694.0/50



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -5.190+/-0.120 χ^2/NDF:1570.5/8

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

Left In: -3.163+/-0.129 χ^2/NDF:650.9/6

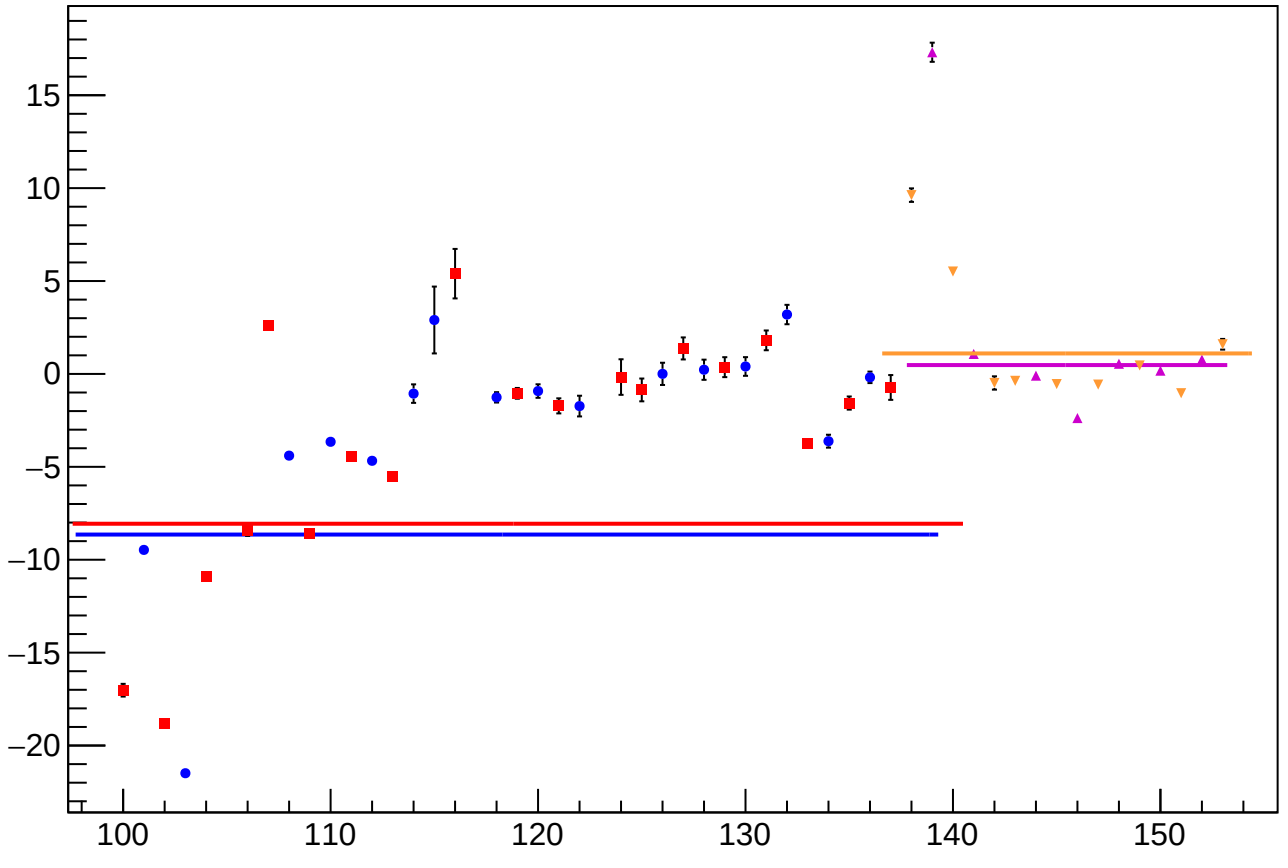
Left: -4.249+/-0.088 χ^2/NDF: 2352.9/15

Right: -1.033+/-0.037 χ^2/NDF: 2036.2/34

In: -1.555+/-0.050 χ^2/NDF:1449.3/22

Out: -1.489+/-0.047 χ^2/NDF:4068.2/27

All: -1.520+/-0.034 χ^2/NDF: 5518.4/50



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 1.103+/-0.084 χ^2/NDF:1177.0/8

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

Left In: 0.477+/-0.093 χ^2/NDF:1262.1/6

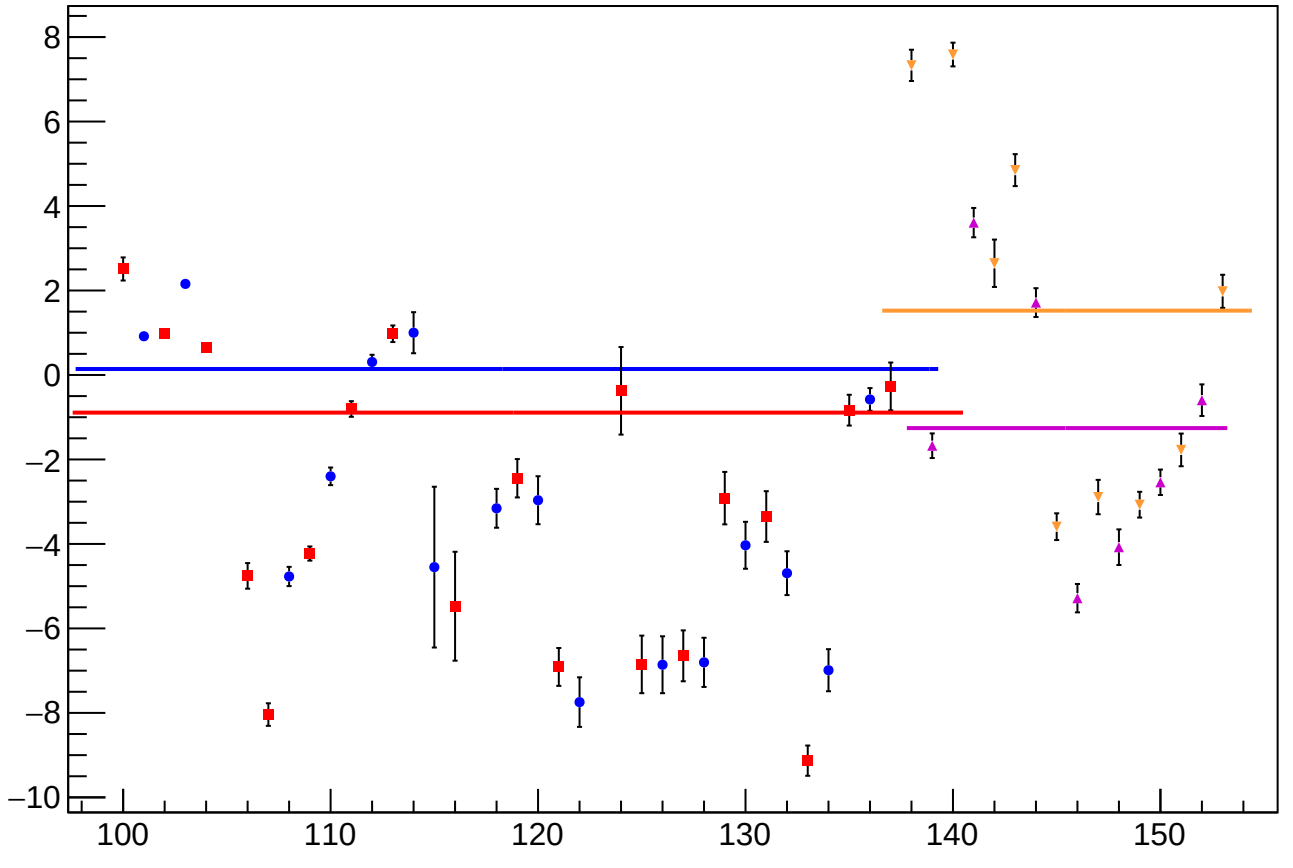
Left: 0.822+/-0.062 χ^2/NDF: 2464.0/15

Right: -8.357+/-0.040 χ^2/NDF: 28307.3/34

In: -6.164+/-0.049 χ^2/NDF:22069.7/22

Out: -5.140+/-0.047 χ^2/NDF:23706.1/27

All: -5.640+/-0.034 χ^2/NDF: 46003.2/50



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 1.523+/-0.119 χ^2/NDF:1474.4/8

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

Left In: -1.258+/-0.128 χ^2/NDF:483.6/6

Left: 0.226+/-0.087 χ^2/NDF: 2210.9/15

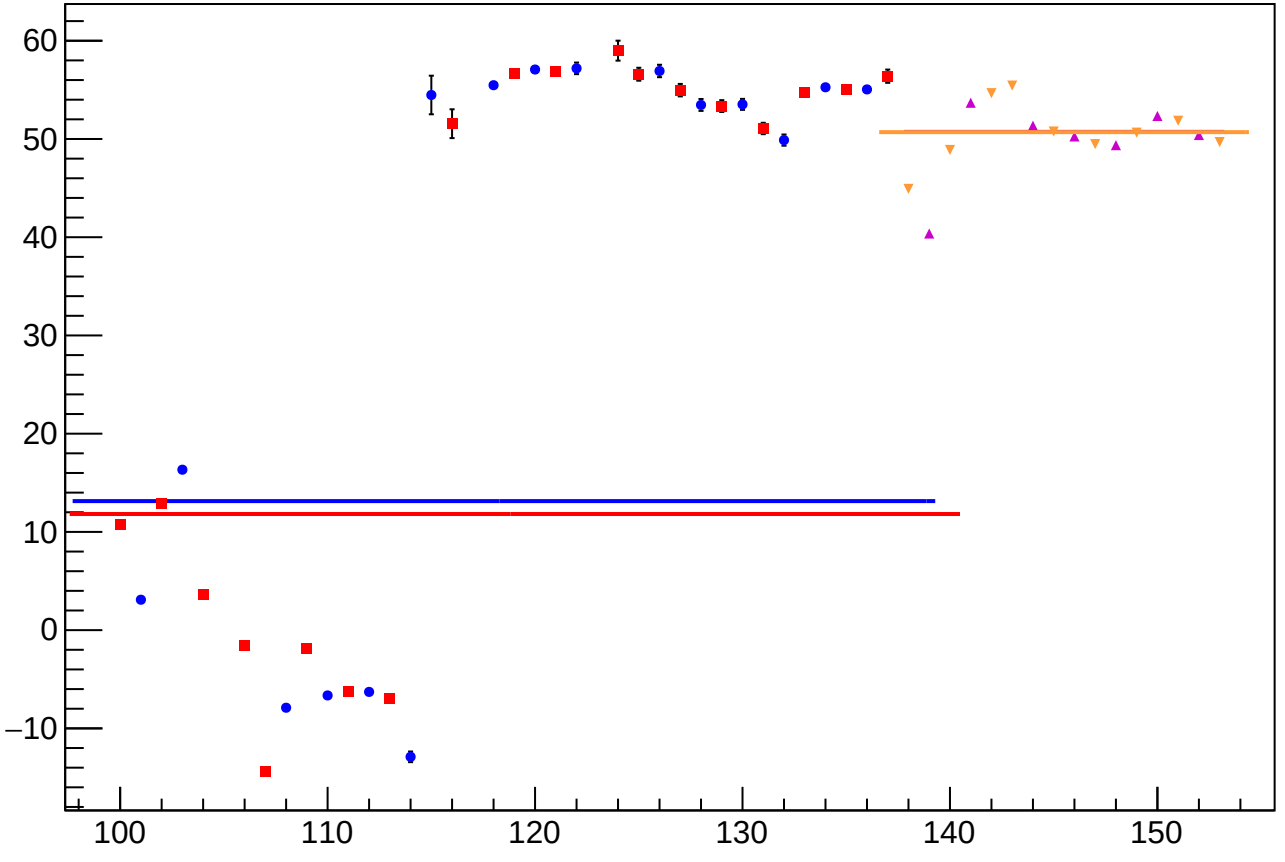
Right: -0.368+/-0.038 χ^2/NDF: 5133.2/34

In: -0.064+/-0.049 χ^2/NDF:2545.7/22

Out: -0.486+/-0.049 χ^2/NDF:4800.2/27

All: -0.275+/-0.035 χ^2/NDF: 7383.2/50

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 50.695+/-0.102 χ^2/NDF:597.6/8

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

Left In: 50.724+/-0.112 χ^2/NDF:609.2/6

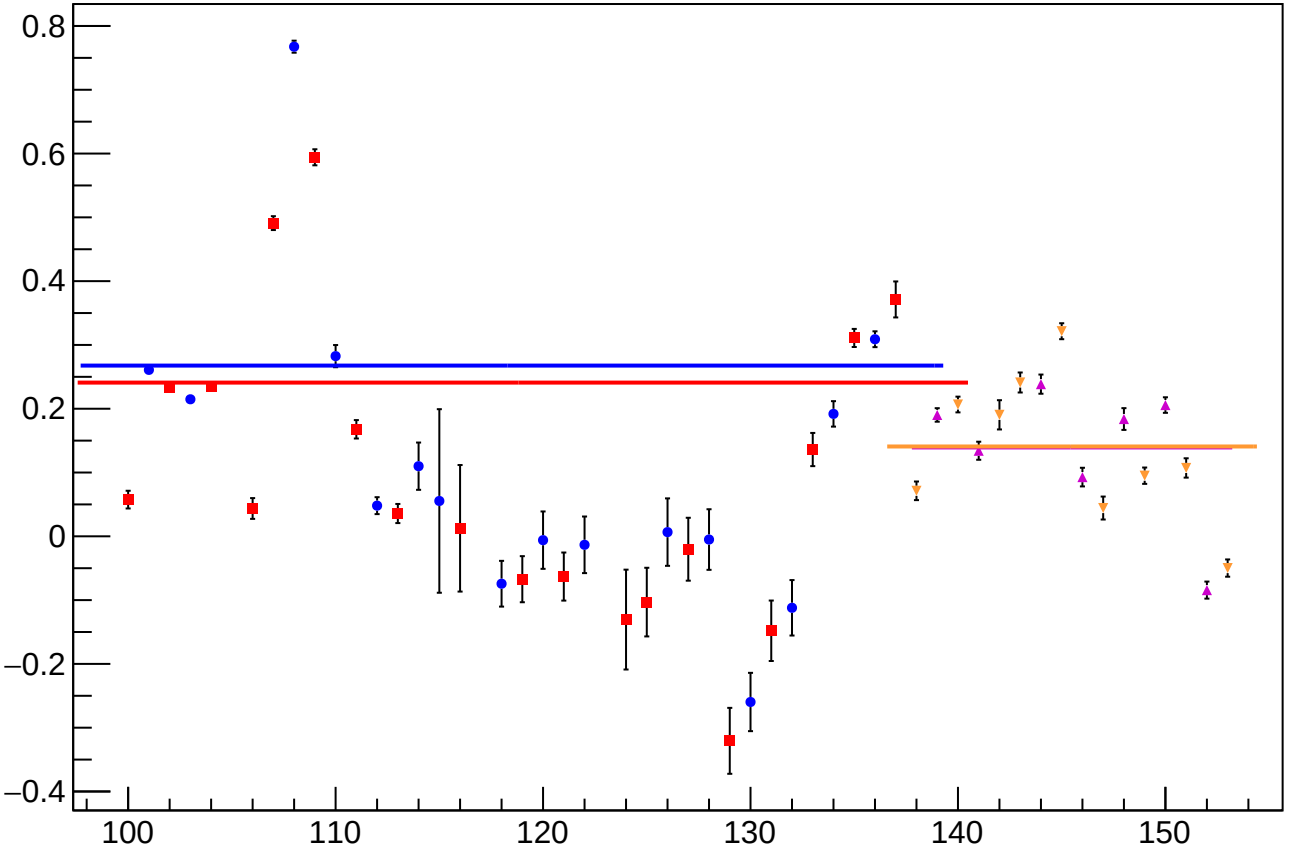
Left: 50.708+/-0.075 χ^2/NDF: 1206.8/15

Right: 12.478+/-0.048 χ^2/NDF: 226930.1/34

In: 23.236+/-0.058 χ^2/NDF:191419.6/22

Out: 23.779+/-0.056 χ^2/NDF:219738.9/27

All: 23.515+/-0.040 χ^2/NDF: 411203.6/50



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.141+/-0.005 χ^2/NDF:550.3/8

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

Left In: 0.139+/-0.005 χ^2/NDF:393.3/6

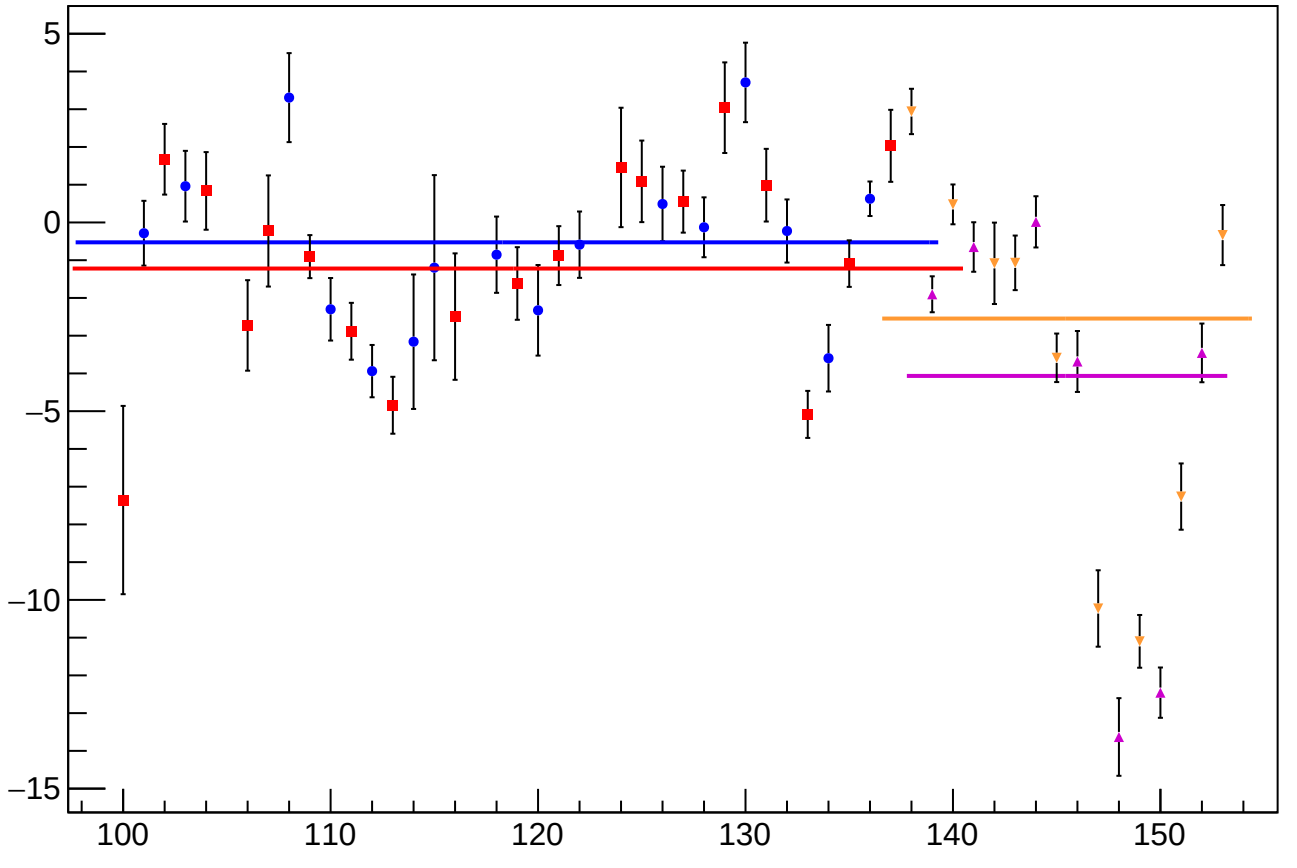
Left: 0.140+/-0.004 χ^2/NDF: 943.7/15

Right: 0.254+/-0.002 χ^2/NDF: 6105.9/34

In: 0.238+/-0.002 χ^2/NDF:4604.1/22

Out: 0.217+/-0.002 χ^2/NDF:3213.1/27

All: 0.227+/-0.002 χ^2/NDF: 7855.8/50



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: -2.546+/-0.239 χ^2/NDF:368.8/8

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

Left In: -4.066+/-0.256 χ^2/NDF:329.9/6

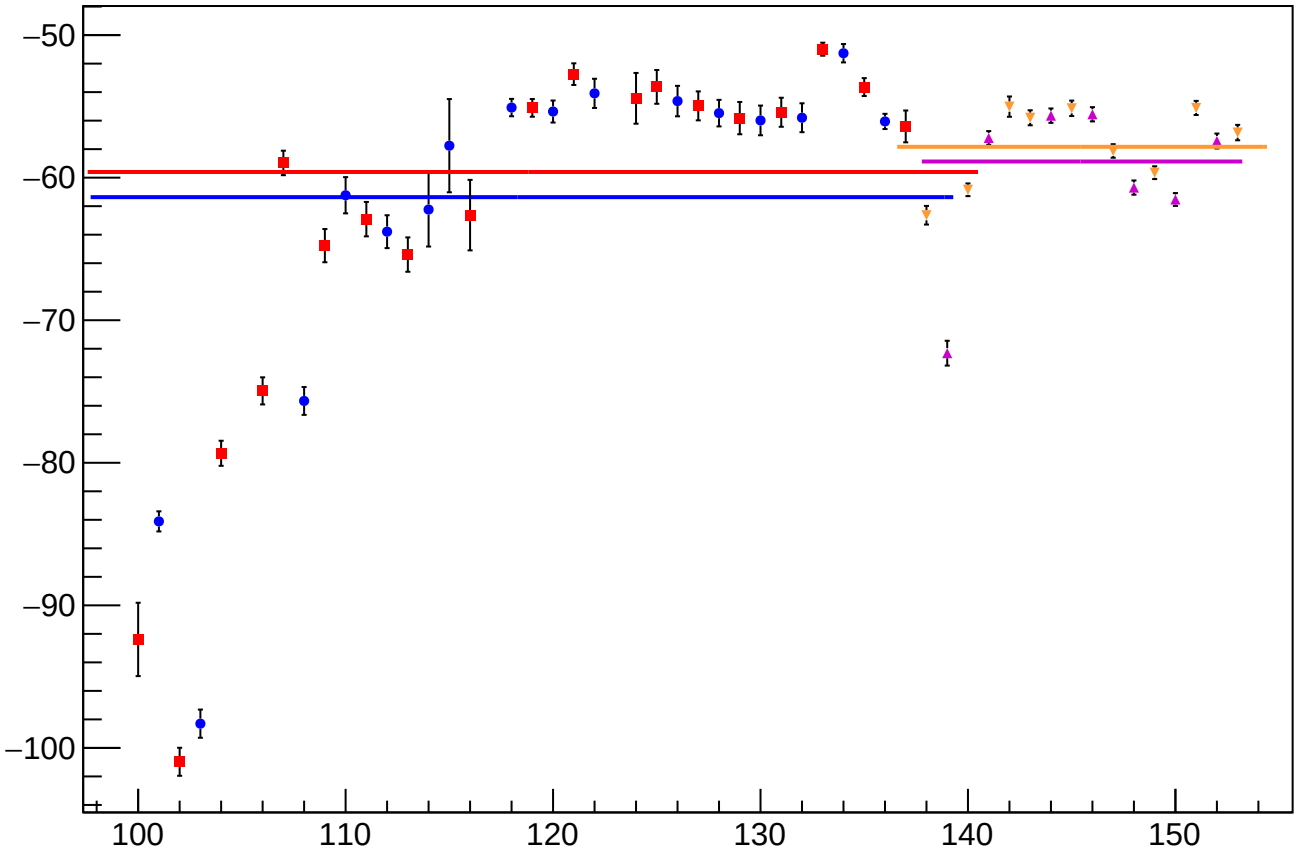
Left: -3.256+/-0.175 χ^2/NDF: 717.5/15

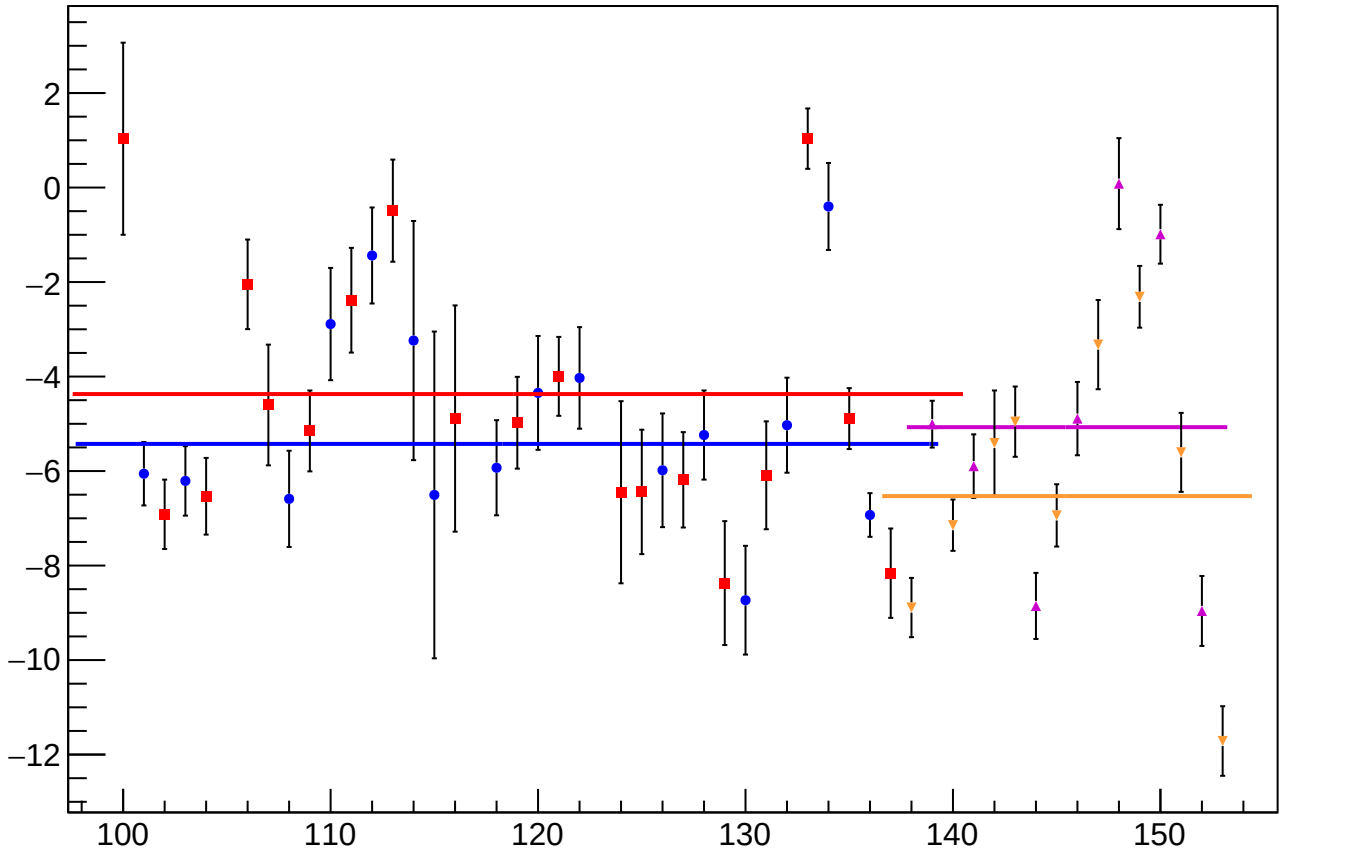
Right: -0.894+/-0.149 χ^2/NDF: 219.1/34

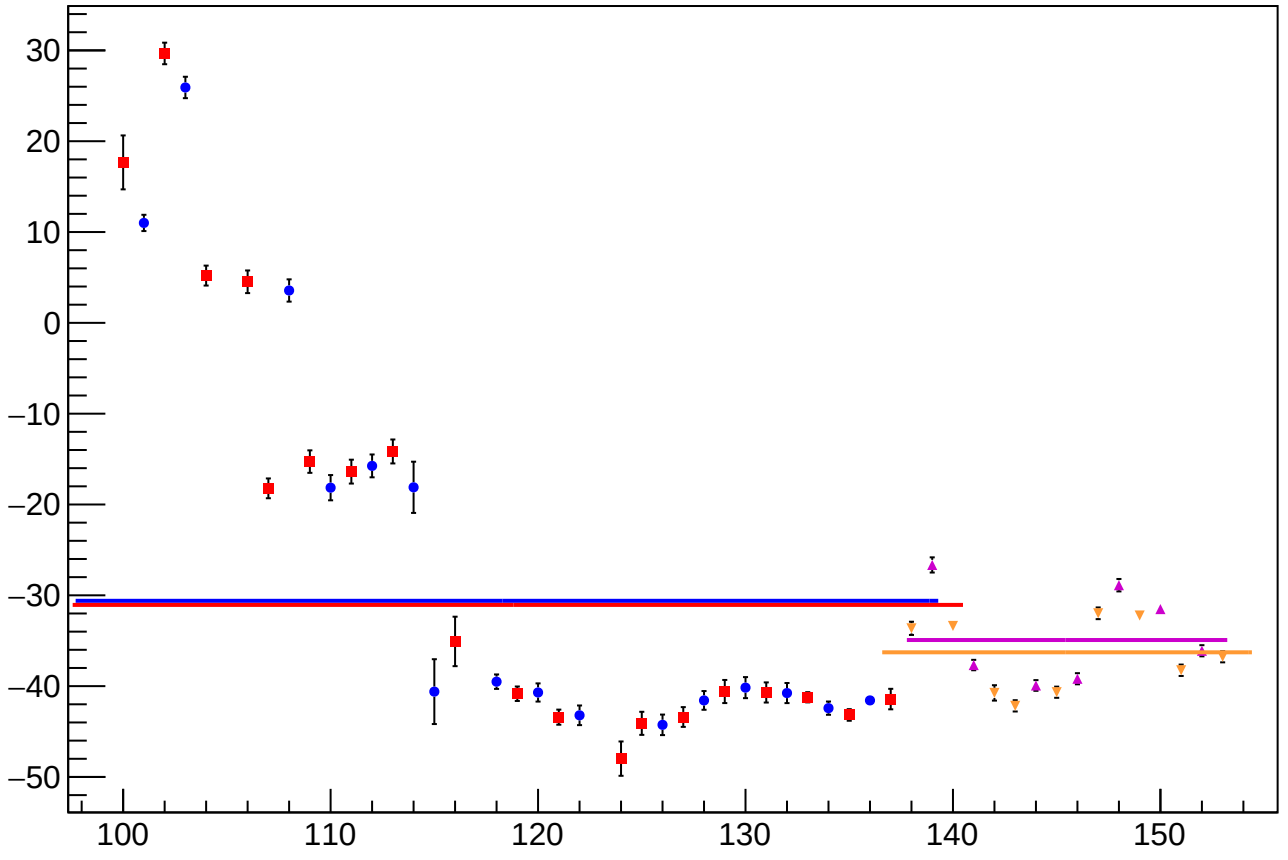
In: -2.009+/-0.165 χ^2/NDF:523.9/22

Out: -1.780+/-0.156 χ^2/NDF:517.4/27

All: -1.887+/-0.113 χ^2/NDF: 1042.4/50


reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
−50
−60
−70
−80
−90
−100
100
110
120
130
140
150
Right In: -61.367+/-0.219 χ²/NDF: 3351.2/15
Left Out: -57.836+/-0.174 χ²/NDF:205.3/8
Right Out: -59.601+/-0.207 χ²/NDF: 3421.3/18
Left In: -58.867+/-0.196 χ²/NDF:390.2/6
Left: -58.290+/-0.130 χ²/NDF: 611.0/15
Right: -60.433+/-0.150 χ²/NDF: 6806.9/34
In: -59.977+/-0.146 χ²/NDF:3813.8/22
Out: -58.566+/-0.133 χ²/NDF:3669.4/27
All: -59.206+/-0.098 χ²/NDF: 7534.3/50


reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
2
0
−2
−4
−6
−8
−10
−12
100
110
120
130
140
150
Right In: -5.425+/-0.230 χ²/NDF: 76.0/15
Left Out: -6.531+/-0.238 χ²/NDF:125.3/8
Right Out: -4.371+/-0.223 χ²/NDF: 156.6/18
Left In: -5.071+/-0.254 χ²/NDF:130.1/6
Left: -5.848+/-0.174 χ²/NDF: 272.9/15
Right: -4.881+/-0.160 χ²/NDF: 243.4/34
In: -5.266+/-0.171 χ²/NDF:207.1/22
Out: -5.376+/-0.163 χ²/NDF:325.8/27
All: -5.324+/-0.118 χ²/NDF: 533.1/50



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -36.276+/-0.208 χ^2/NDF:323.1/8

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

Left In: -34.922+/-0.233 χ^2/NDF:365.5/6

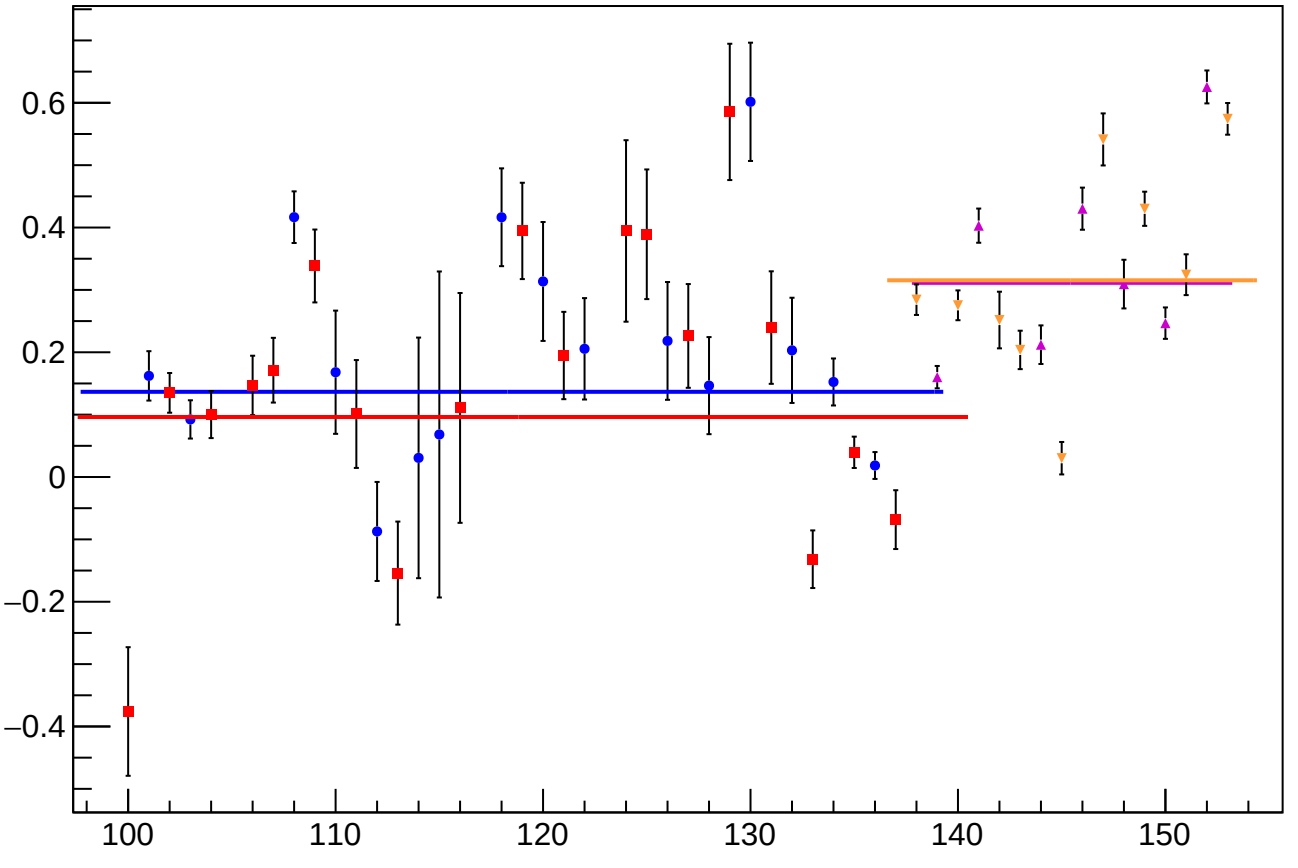
Left: -35.674+/-0.155 χ^2/NDF: 707.4/15

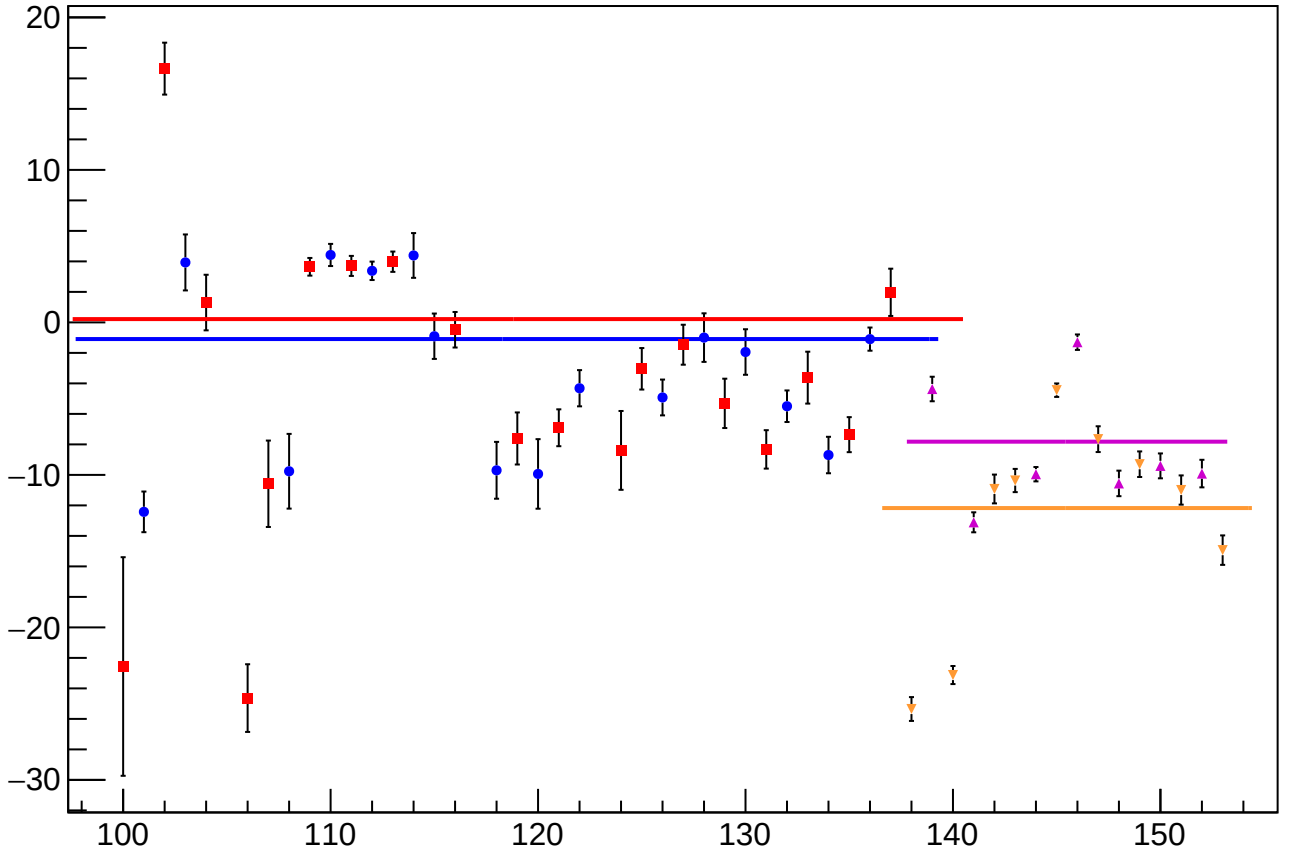
Right: -30.841+/-0.172 χ^2/NDF: 13916.2/34

In: -32.914+/-0.170 χ^2/NDF:7463.9/22

Out: -34.012+/-0.157 χ^2/NDF:7572.4/27

All: -33.508+/-0.115 χ^2/NDF: 15058.8/50


reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
Right In: 0.137+/-0.013 χ²/NDF: 129.2/15
Left Out: 0.315+/-0.010 χ²/NDF:290.4/8
Right Out: 0.096+/-0.012 χ²/NDF: 147.7/18
Left In: 0.311+/-0.010 χ²/NDF:253.2/6
Left: 0.313+/-0.007 χ²/NDF: 543.7/15
Right: 0.116+/-0.009 χ²/NDF: 282.3/34
In: 0.243+/-0.008 χ²/NDF:501.7/22
Out: 0.233+/-0.008 χ²/NDF:634.4/27
All: 0.238+/-0.005 χ²/NDF: 1137.1/50



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -12.175+/-0.239 χ^2/NDF:990.0/8

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

Left In: -7.822+/-0.247 χ^2/NDF:289.6/6

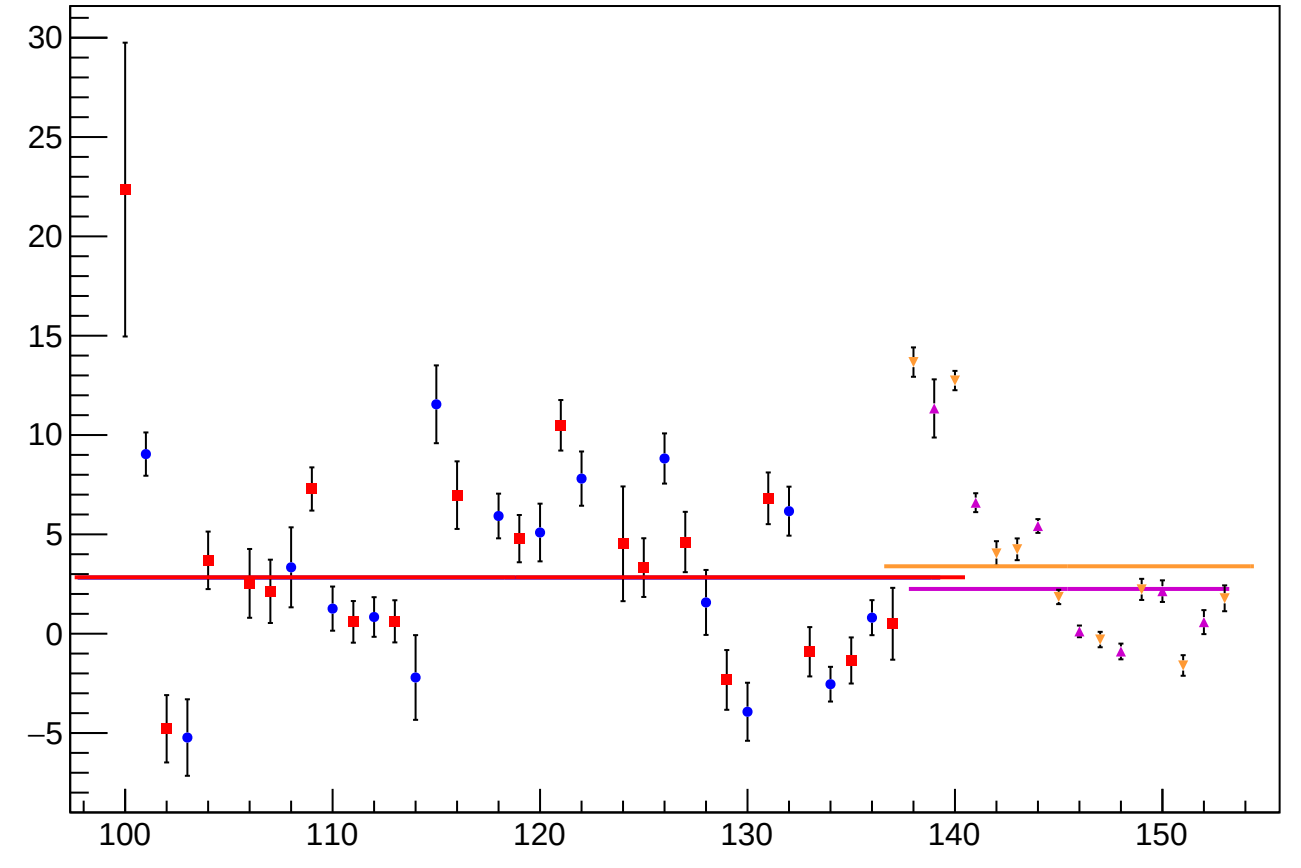
Left: -10.063+/-0.172 χ^2/NDF: 1439.9/15

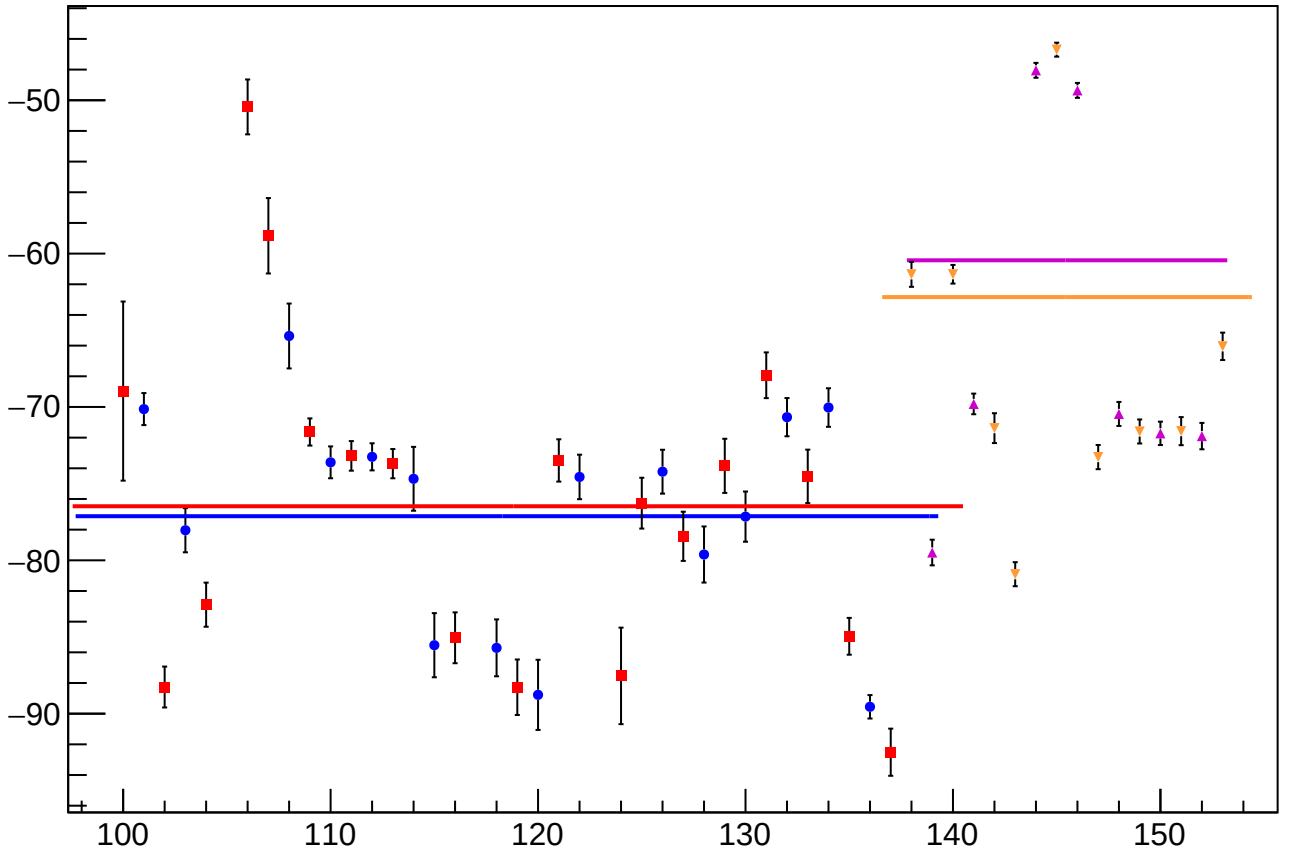
Right: -0.404+/-0.193 χ^2/NDF: 864.2/34

In: -4.887+/-0.185 χ^2/NDF:946.0/22

Out: -6.632+/-0.178 χ^2/NDF:2708.4/27

All: -5.794+/-0.128 χ^2/NDF: 3700.5/50


reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
30
25
20
15
10
5
0
−5
100
110
120
130
140
150
Right In: 2.823+/-0.313 χ²/NDF: 199.6/15
Left Out: 3.393+/-0.167 χ²/NDF:778.2/8
Right Out: 2.840+/-0.322 χ²/NDF: 145.0/18
Left In: 2.252+/-0.164 χ²/NDF:329.0/6
Left: 2.813+/-0.117 χ²/NDF: 1131.0/15
Right: 2.831+/-0.225 χ²/NDF: 344.5/34
In: 2.375+/-0.145 χ²/NDF:531.2/22
Out: 3.276+/-0.148 χ²/NDF:925.5/27
All: 2.817+/-0.104 χ²/NDF: 1475.6/50



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -62.835+/-0.240 χ^2/NDF:2277.1/8

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

Left In: -60.436+/-0.244 χ^2/NDF:2439.6/6

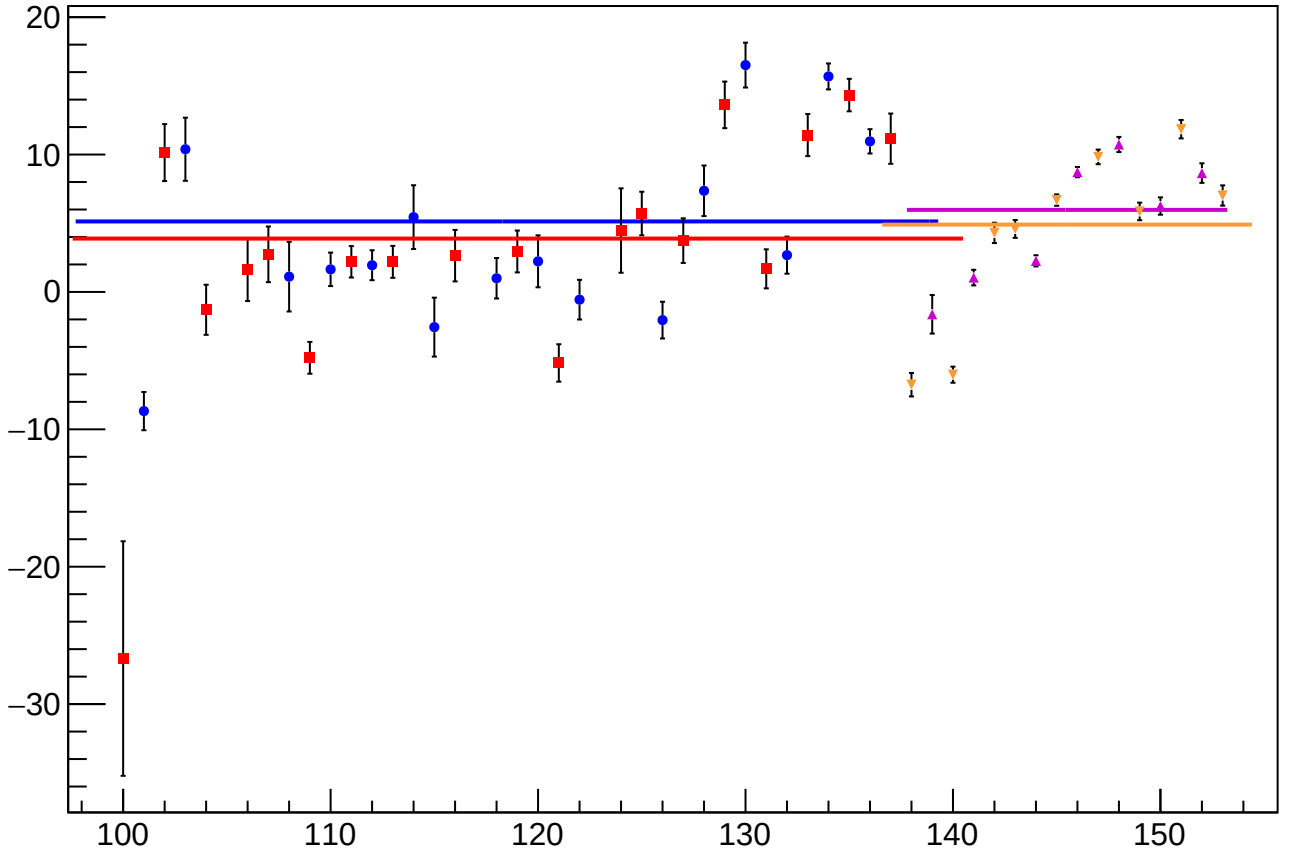
Left: -61.657+/-0.171 χ^2/NDF: 4765.8/15

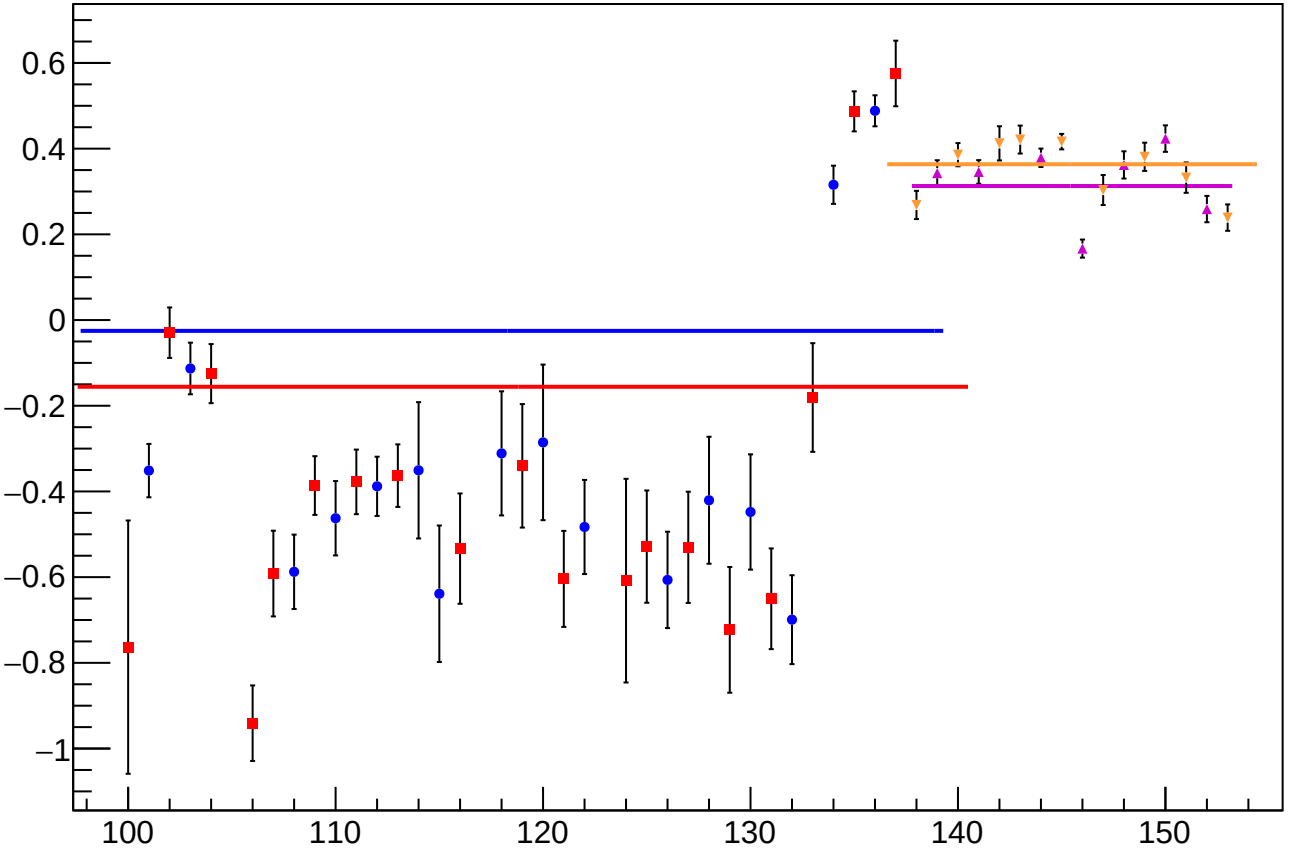
Right: -76.801+/-0.231 χ^2/NDF: 1201.1/34

In: -66.423+/-0.195 χ^2/NDF:4620.0/22

Out: -67.576+/-0.194 χ^2/NDF:4097.7/27

All: -67.005+/-0.138 χ^2/NDF: 8735.3/50


reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
20
10
0
−10
−20
−30
100
110
120
130
140
150
Right In: 5.132+/-0.350 χ²/NDF: 412.3/15
Left Out: 4.902+/-0.203 χ²/NDF:756.0/8
Right Out: 3.885+/-0.361 χ²/NDF: 291.5/18
Left In: 5.973+/-0.201 χ²/NDF:331.2/6
Left: 5.441+/-0.143 χ²/NDF: 1101.2/15
Right: 4.529+/-0.251 χ²/NDF: 710.0/34
In: 5.764+/-0.175 χ²/NDF:747.8/22
Out: 4.658+/-0.177 χ²/NDF:1053.4/27
All: 5.218+/-0.124 χ²/NDF: 1821.1/50



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.364+/-0.010 χ^2/NDF:42.4/8

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

Left In: 0.313+/-0.010 χ^2/NDF:78.0/6

Left: 0.339+/-0.007 χ^2/NDF: 133.6/15

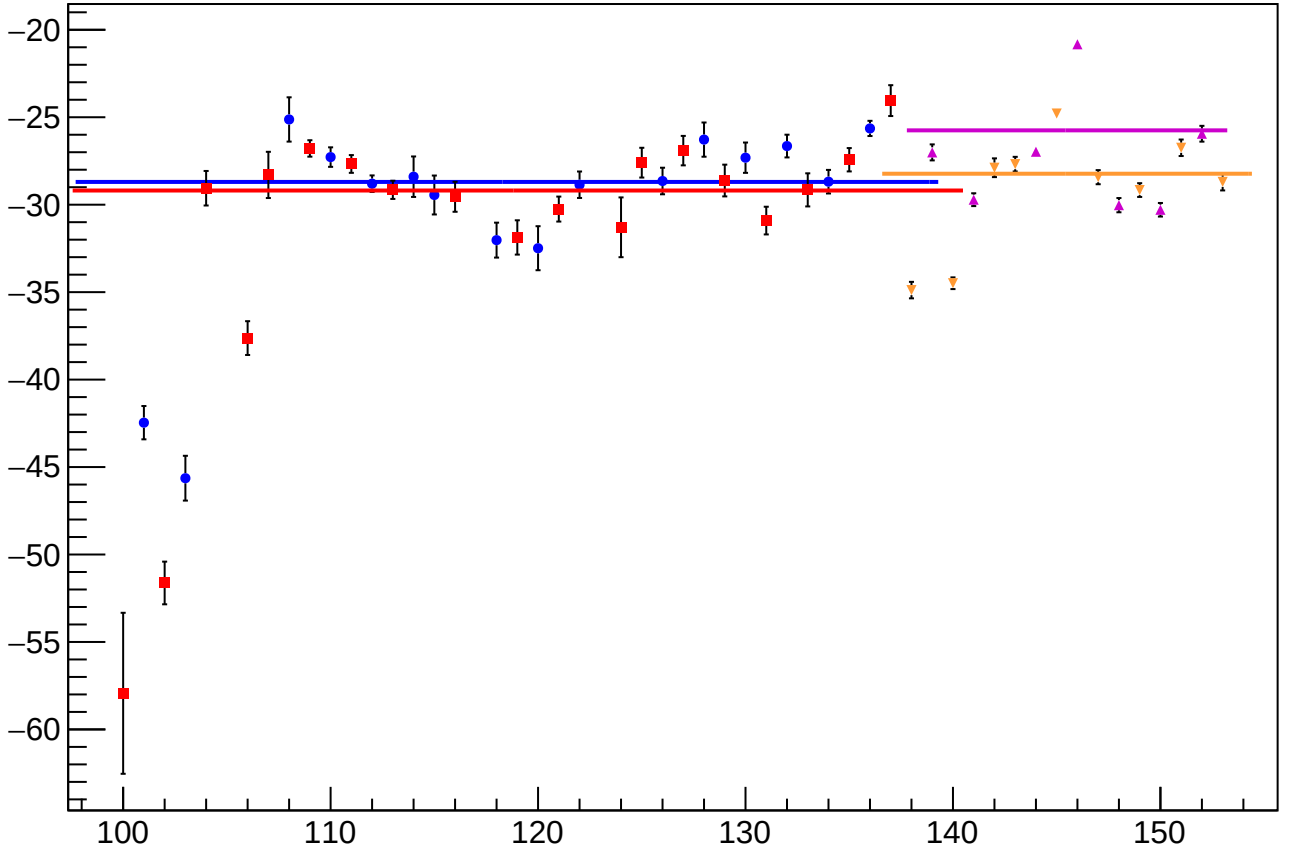
Right: -0.086+/-0.014 χ^2/NDF: 1029.5/34

In: 0.239+/-0.009 χ^2/NDF:839.1/22

Out: 0.265+/-0.009 χ^2/NDF:1072.7/27

All: 0.252+/-0.006 χ^2/NDF: 1916.3/50

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -28.229+/-0.121 χ^2/NDF:856.5/8

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

Left In: -25.750+/-0.117 χ^2/NDF:970.5/6

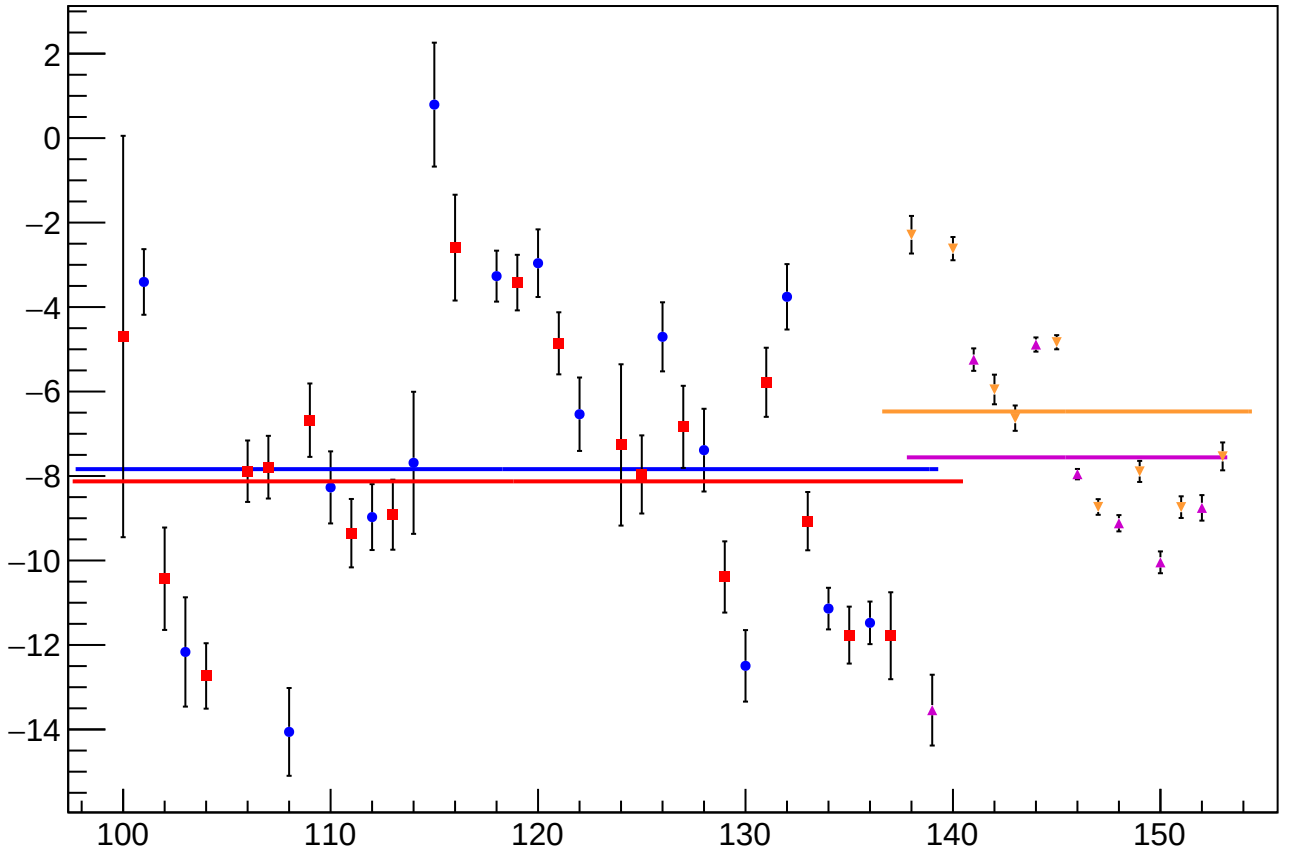
Left: -26.952+/-0.084 χ^2/NDF: 2043.3/15

Right: -28.950+/-0.130 χ^2/NDF: 1048.2/34

In: -26.591+/-0.099 χ^2/NDF:1637.7/22

Out: -28.525+/-0.101 χ^2/NDF:1433.2/27

All: -27.545+/-0.071 χ^2/NDF: 3258.2/50



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -6.472+/-0.084 χ^2/NDF:653.1/8

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

Left In: -7.558+/-0.077 χ^2/NDF:562.8/6

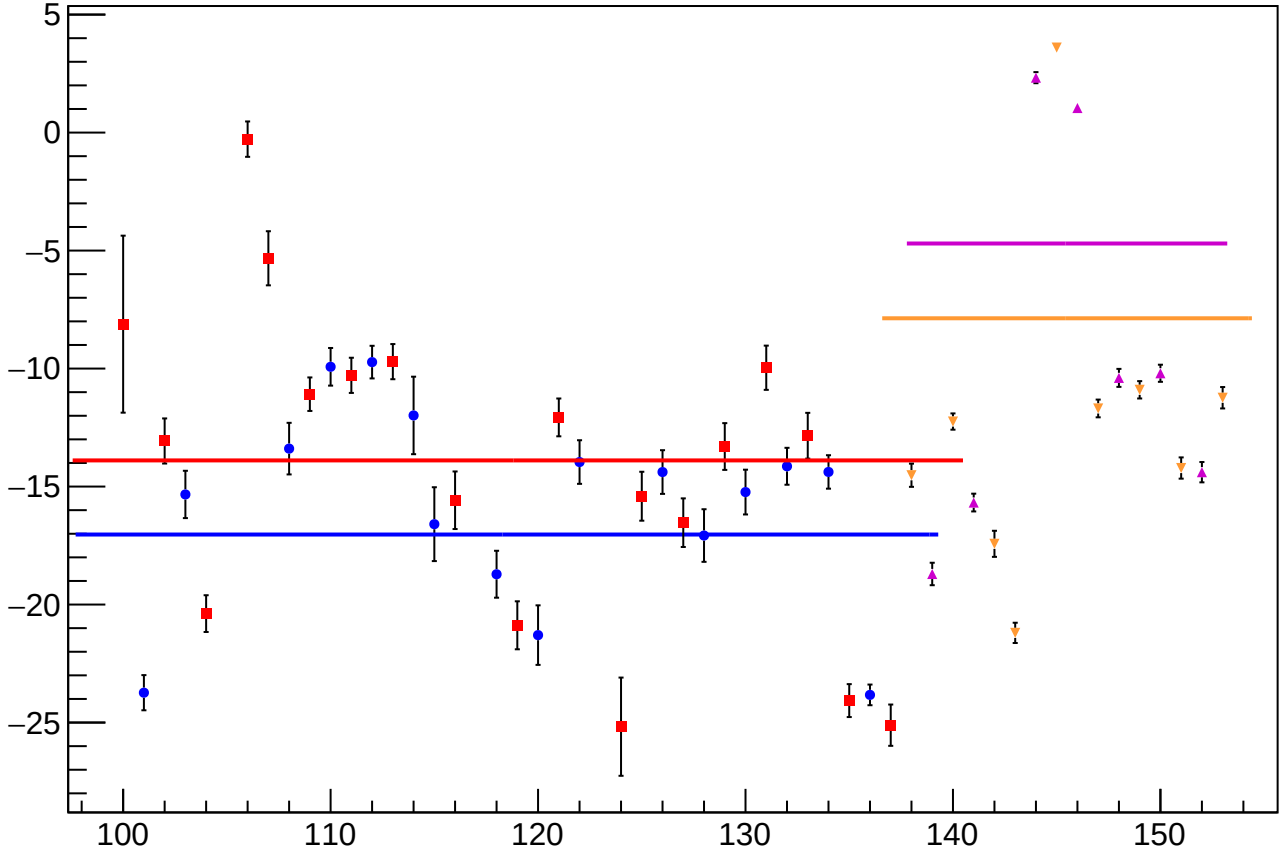
Left: -7.062+/-0.057 χ^2/NDF: 1307.4/15

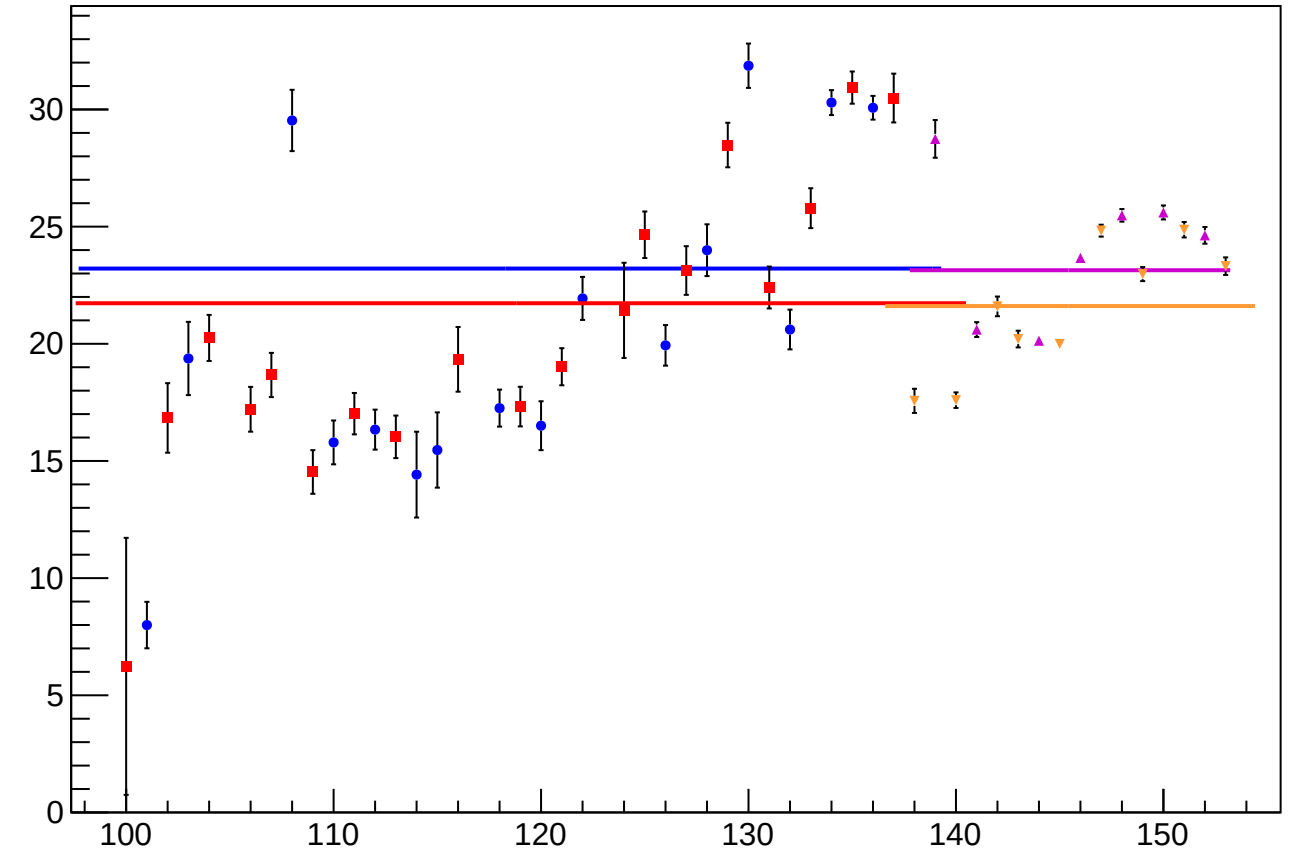
Right: -7.981+/-0.138 χ^2/NDF: 581.6/34

In: -7.596+/-0.071 χ^2/NDF:947.7/22

Out: -6.726+/-0.077 χ^2/NDF:910.4/27

All: -7.194+/-0.052 χ^2/NDF: 1926.8/50


reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
5
0
−5
−10
−15
−20
−25
100
110
120
130
140
150
Right In: -17.033+/-0.209 χ²/NDF: 601.2/15
Left Out: -7.869+/-0.121 χ²/NDF:5074.1/8
Right Out: -13.892+/-0.209 χ²/NDF: 1017.4/18
Left In: -4.700+/-0.116 χ²/NDF:4406.0/6
Left: -6.217+/-0.083 χ²/NDF: 9839.5/15
Right: -15.462+/-0.148 χ²/NDF: 1731.1/34
In: -7.582+/-0.101 χ²/NDF:7665.8/22
Out: -9.372+/-0.105 χ²/NDF:6712.8/27
All: -8.448+/-0.073 χ²/NDF: 14529.8/50



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 21.610+/-0.102 χ^2/NDF:594.1/8

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

Left In: 23.140+/-0.094 χ^2/NDF:517.9/6

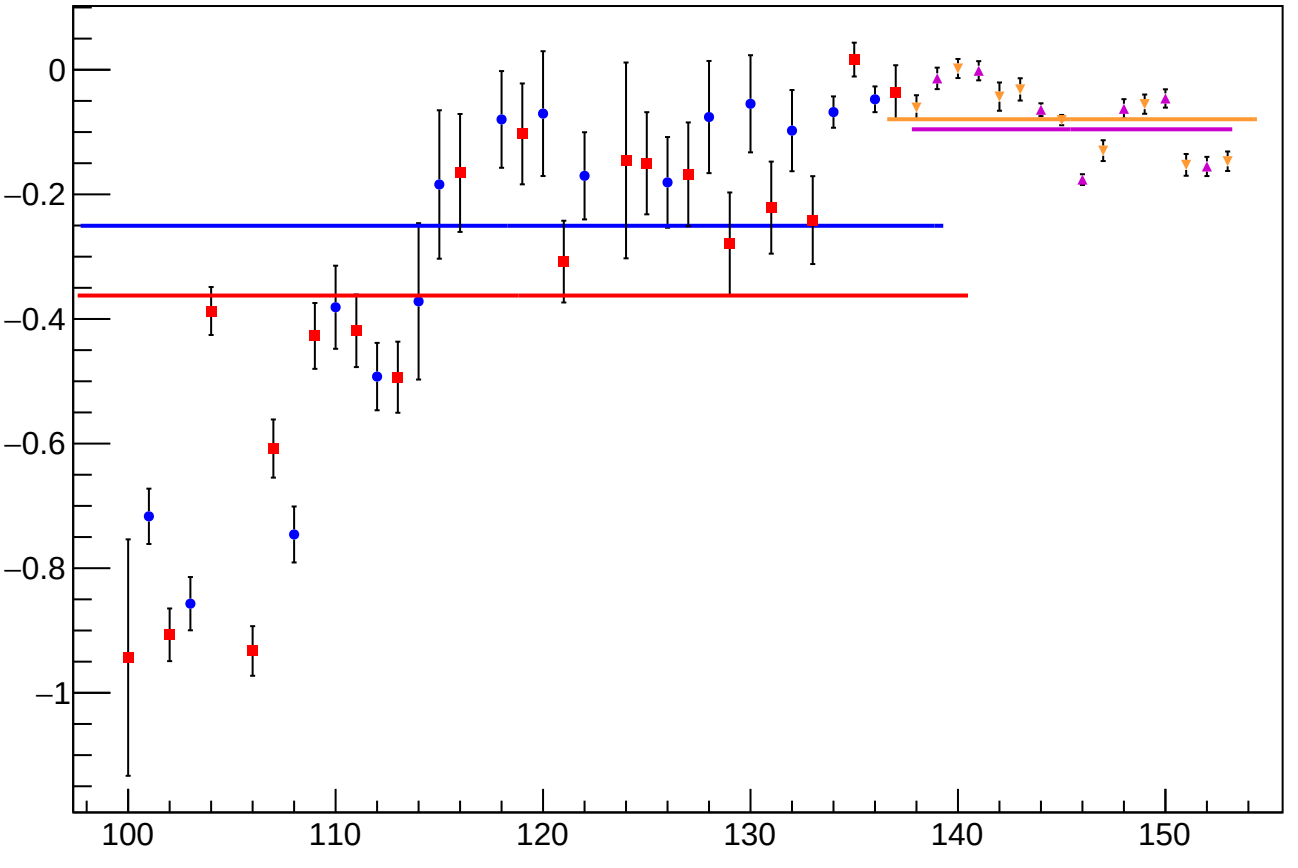
Left: 22.433+/-0.069 χ^2/NDF: 1233.5/15

Right: 22.492+/-0.156 χ^2/NDF: 1588.8/34

In: 23.151+/-0.087 χ^2/NDF:1526.2/22

Out: 21.631+/-0.093 χ^2/NDF:1152.6/27

All: 22.443+/-0.063 χ^2/NDF: 2822.4/50



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.079+/-0.005 χ^2/NDF:86.6/8

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

Left In: -0.096+/-0.005 χ^2/NDF:187.3/6

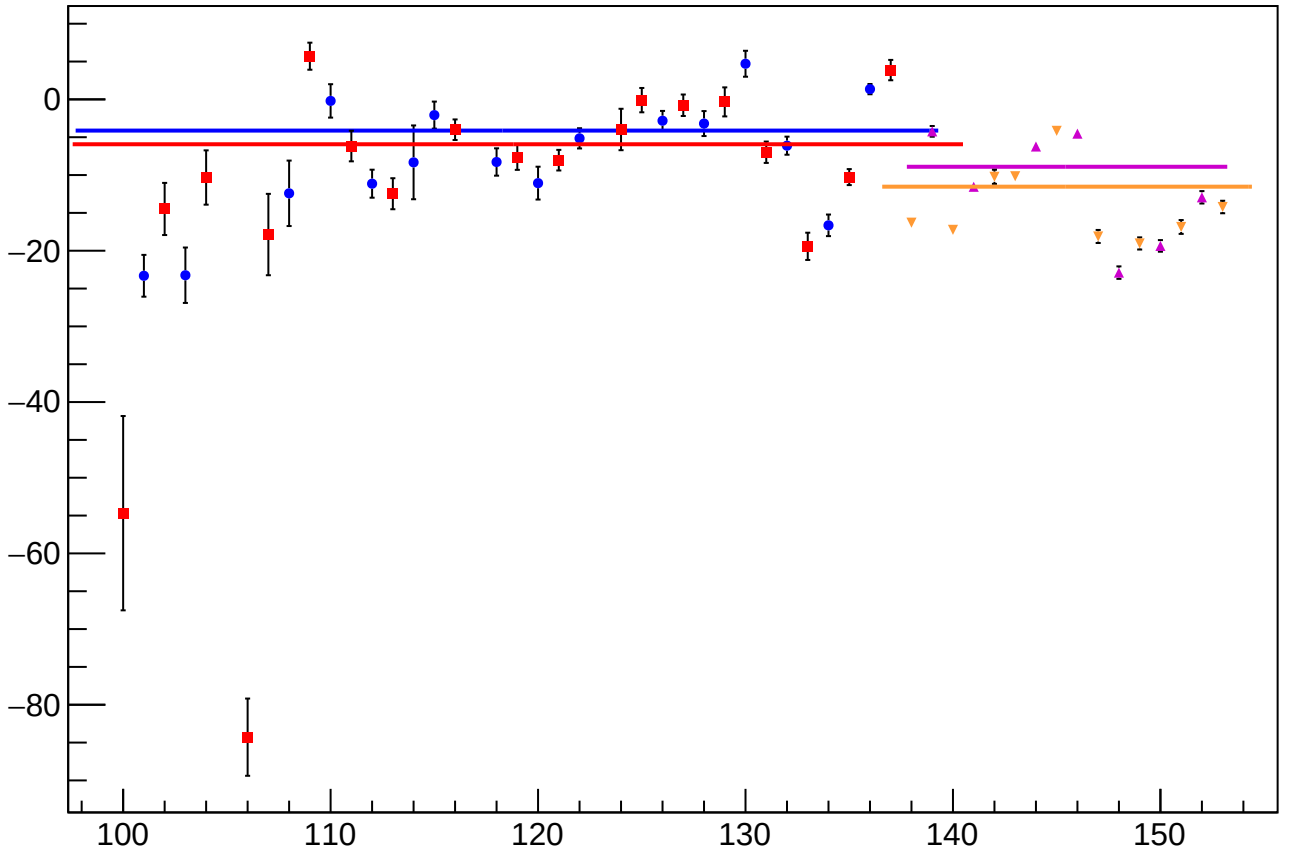
Left: -0.088+/-0.003 χ^2/NDF: 279.4/15

Right: -0.303+/-0.008 χ^2/NDF: 1381.3/34

In: -0.118+/-0.004 χ^2/NDF:971.6/22

Out: -0.118+/-0.005 χ^2/NDF:1244.7/27

All: -0.118+/-0.003 χ^2/NDF: 2216.2/50



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -11.537+/-0.214 χ^2/NDF:759.2/8

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

Left In: -8.905+/-0.218 χ^2/NDF:715.4/6

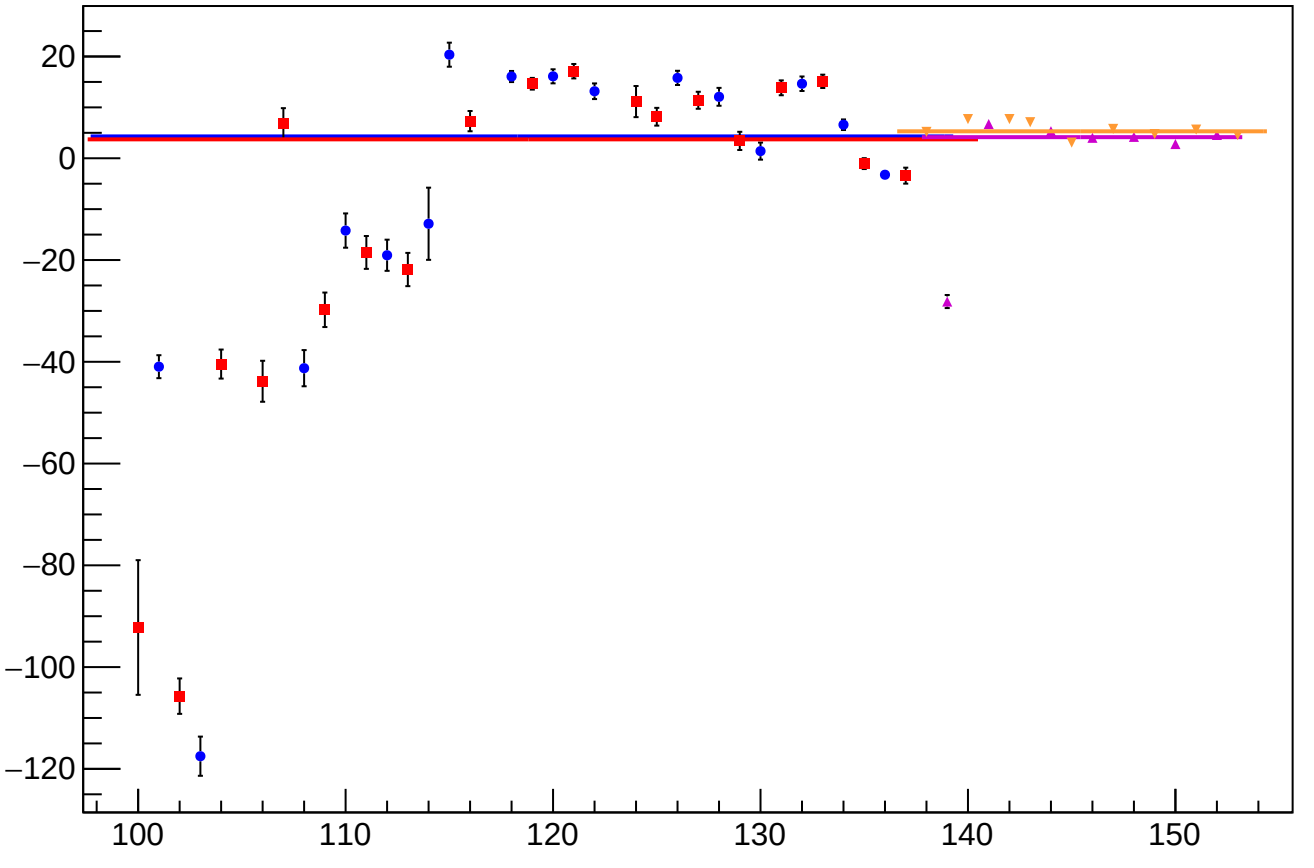
Left: -10.249+/-0.153 χ^2/NDF: 1548.7/15

Right: -4.968+/-0.279 χ^2/NDF: 781.0/34

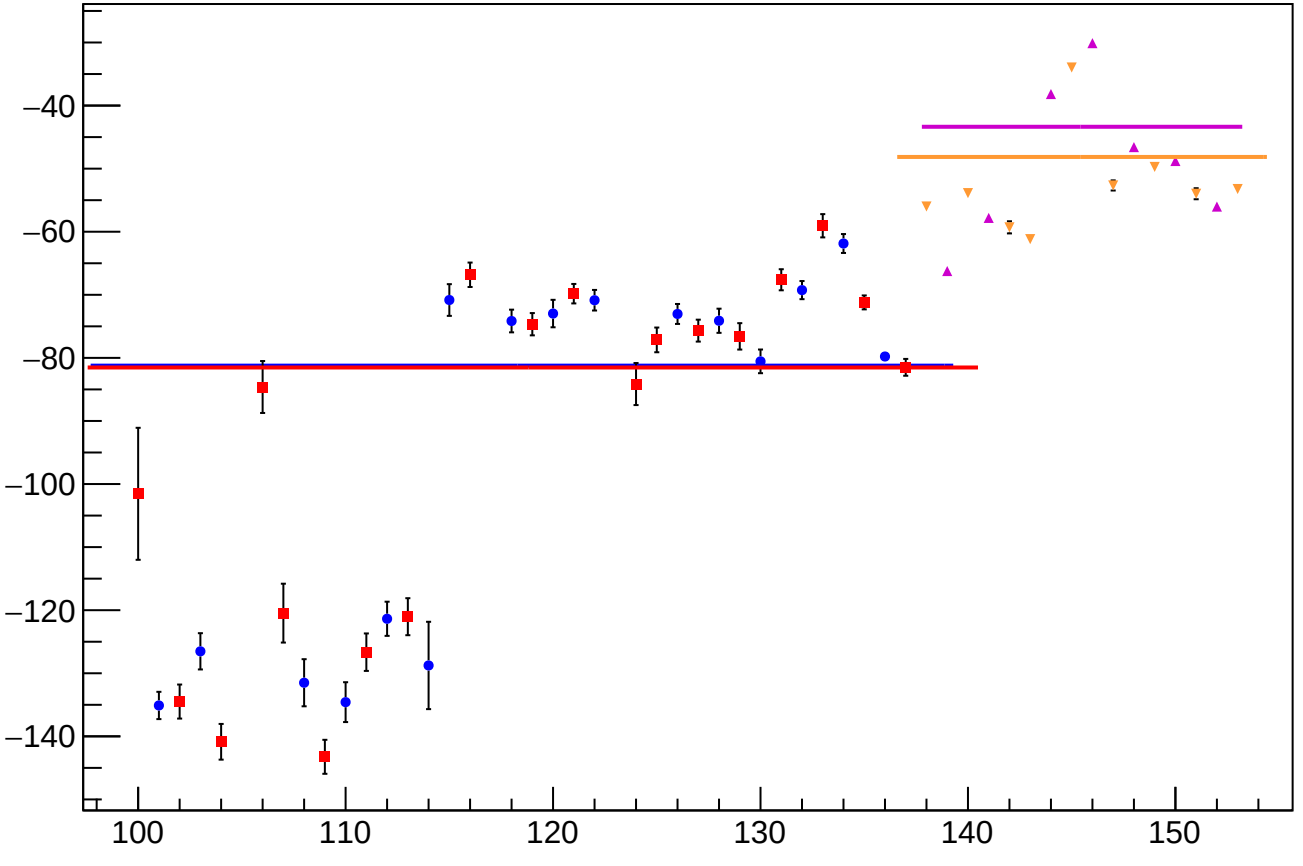
In: -7.726+/-0.190 χ^2/NDF:1121.5/22

Out: -10.328+/-0.189 χ^2/NDF:1390.1/27

All: -9.029+/-0.134 χ^2/NDF: 2605.9/50


reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
Right In: 4.292+/-0.385 χ²/NDF: 2169.1/15
Left Out: 5.297+/-0.152 χ²/NDF:117.7/8
Right Out: 3.717+/-0.423 χ²/NDF: 2007.2/18
Left In: 4.148+/-0.148 χ²/NDF:685.5/6
Left: 4.704+/-0.106 χ²/NDF: 832.5/15
Right: 4.031+/-0.285 χ²/NDF: 4177.4/34
In: 4.166+/-0.138 χ²/NDF:2854.7/22
Out: 5.115+/-0.143 χ²/NDF:2137.3/27
All: 4.622+/-0.099 χ²/NDF: 5014.8/50

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: -48.145+/-0.215 χ^2/NDF:2256.9/8

Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

Left In: -43.361+/-0.216 χ^2/NDF:3080.6/6

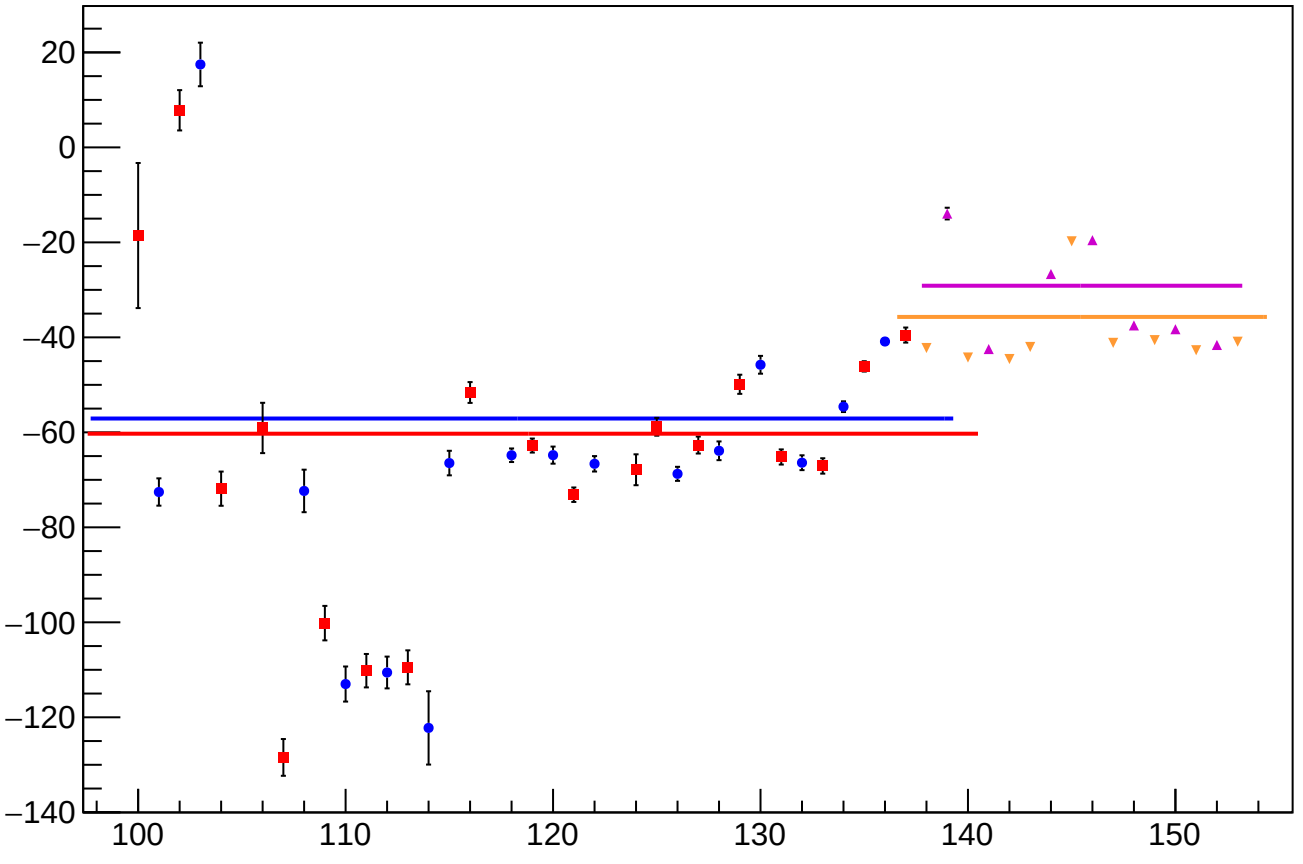
Left: -45.769+/-0.152 χ^2/NDF: 5583.9/15

Right: -81.362+/-0.309 χ^2/NDF: 4264.5/34

In: -51.392+/-0.192 χ^2/NDF:11555.3/22

Out: -54.089+/-0.195 χ^2/NDF:8847.6/27

All: -52.720+/-0.137 χ^2/NDF: 20500.2/50



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -35.697+/-0.183 χ^2/NDF:3133.2/8

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

Left In: -29.129+/-0.180 χ^2/NDF:2608.3/6

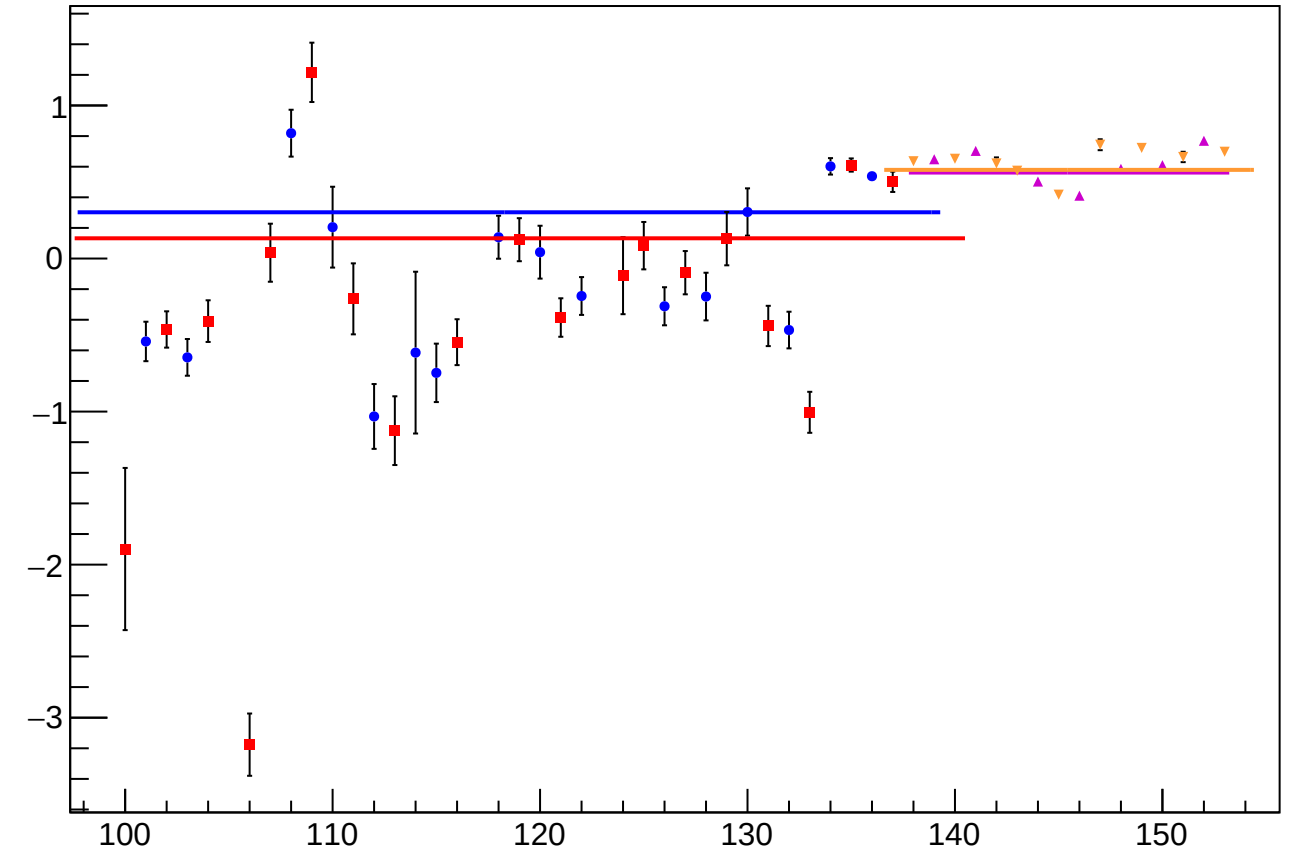
Left: -32.353+/-0.129 χ^2/NDF: 6394.1/15

Right: -58.530+/-0.316 χ^2/NDF: 3140.1/34

In: -33.375+/-0.166 χ^2/NDF:7793.5/22

Out: -38.949+/-0.171 χ^2/NDF:7096.1/27

All: -36.079+/-0.119 χ^2/NDF: 15437.3/50



Right In: 0.302+/-0.023 χ^2/NDF: 374.8/15

Left Out: 0.579+/-0.009 χ^2/NDF:198.0/8

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

Left In: 0.562+/-0.009 χ^2/NDF:185.5/6

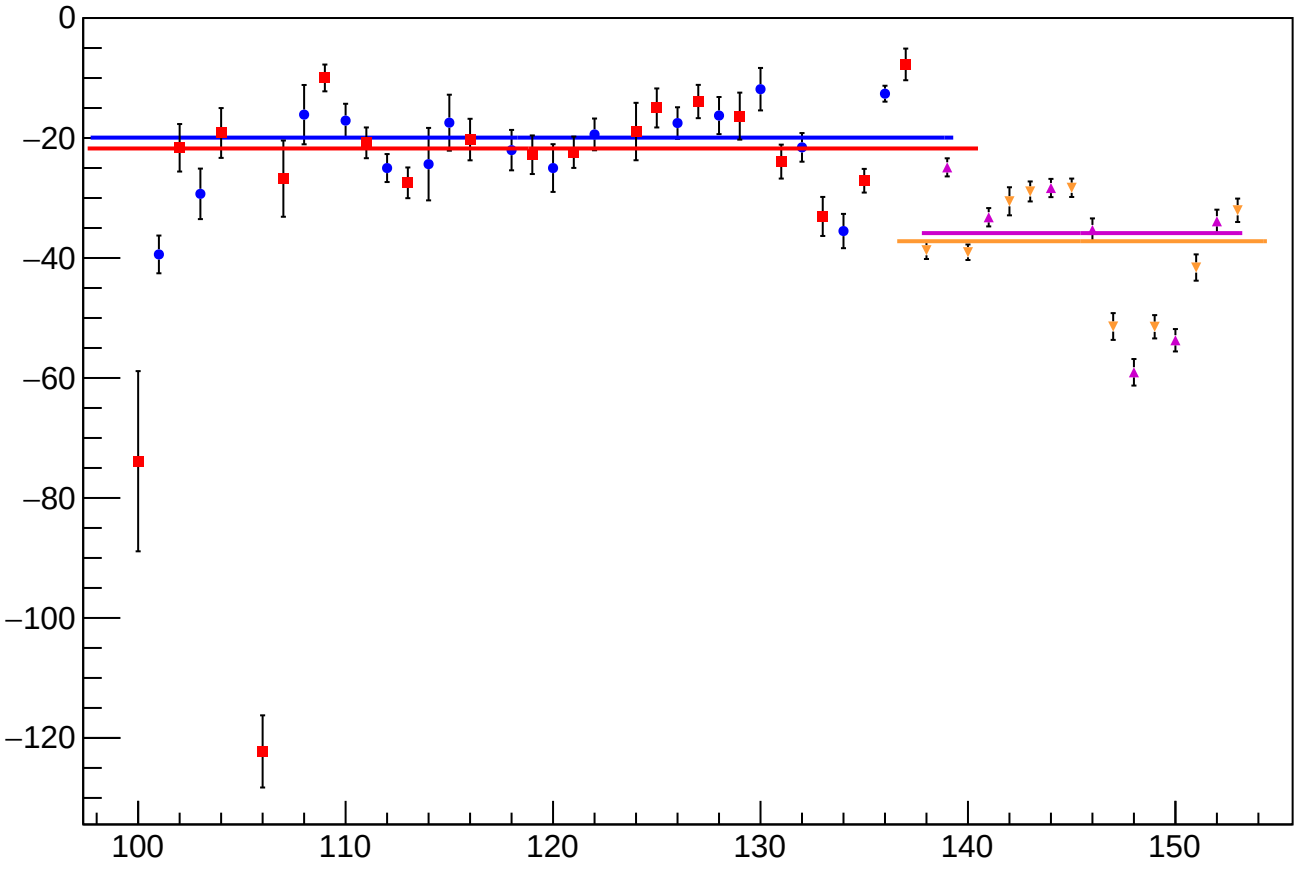
Left: 0.571+/-0.006 χ^2/NDF: 385.5/15

Right: 0.229+/-0.017 χ^2/NDF: 1070.8/34

In: 0.528+/-0.008 χ^2/NDF:671.4/22

Out: 0.536+/-0.008 χ^2/NDF:1127.3/27

All: 0.532+/-0.006 χ^2/NDF: 1799.2/50



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -37.205+/-0.580 χ^2/NDF:175.1/8

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

Left In: -35.851+/-0.656 χ^2/NDF:282.6/6

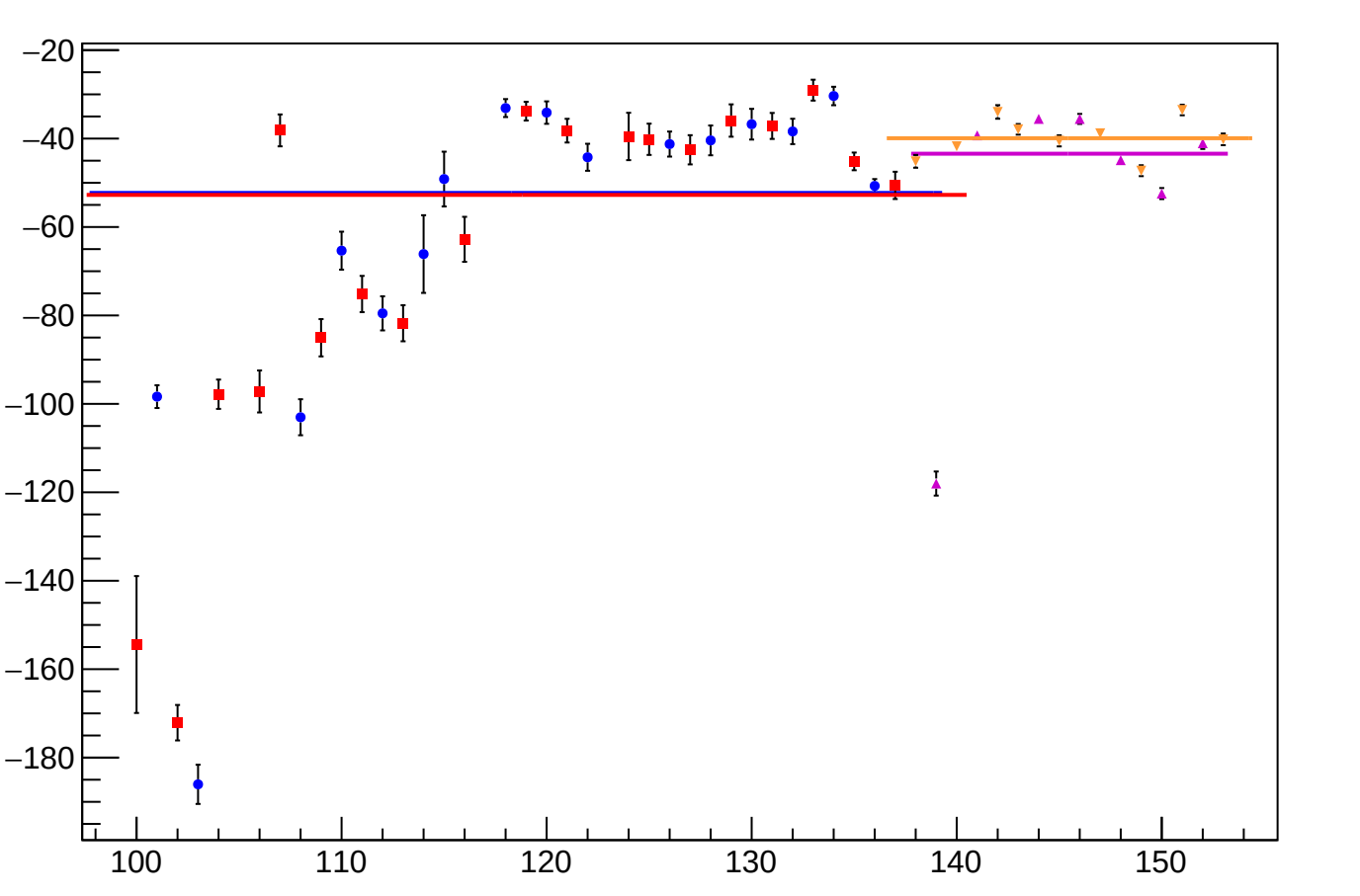
Left: -36.610+/-0.435 χ^2/NDF: 460.1/15

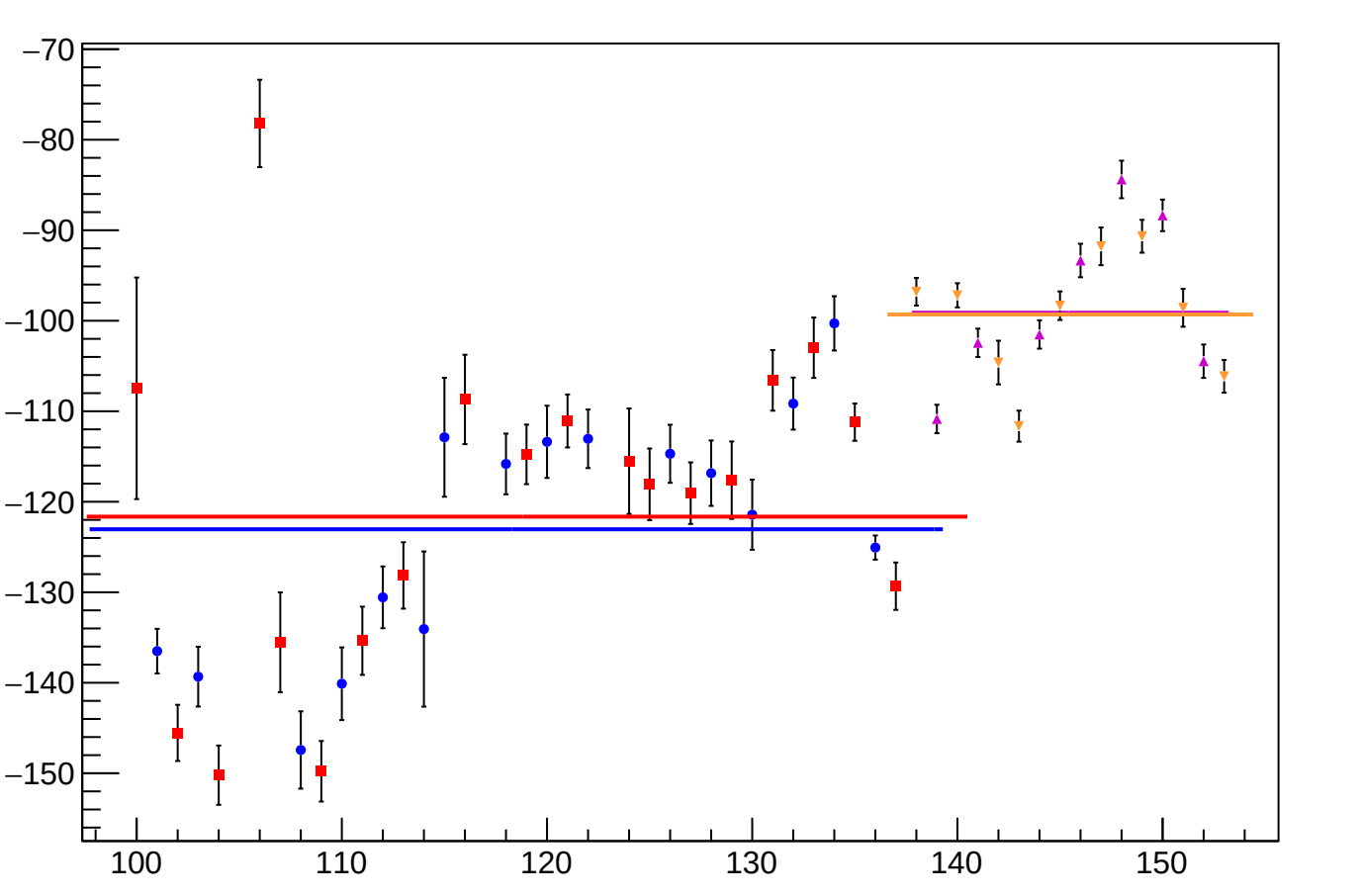
Right: -20.816+/-0.498 χ^2/NDF: 512.2/34

In: -28.355+/-0.477 χ^2/NDF:680.8/22

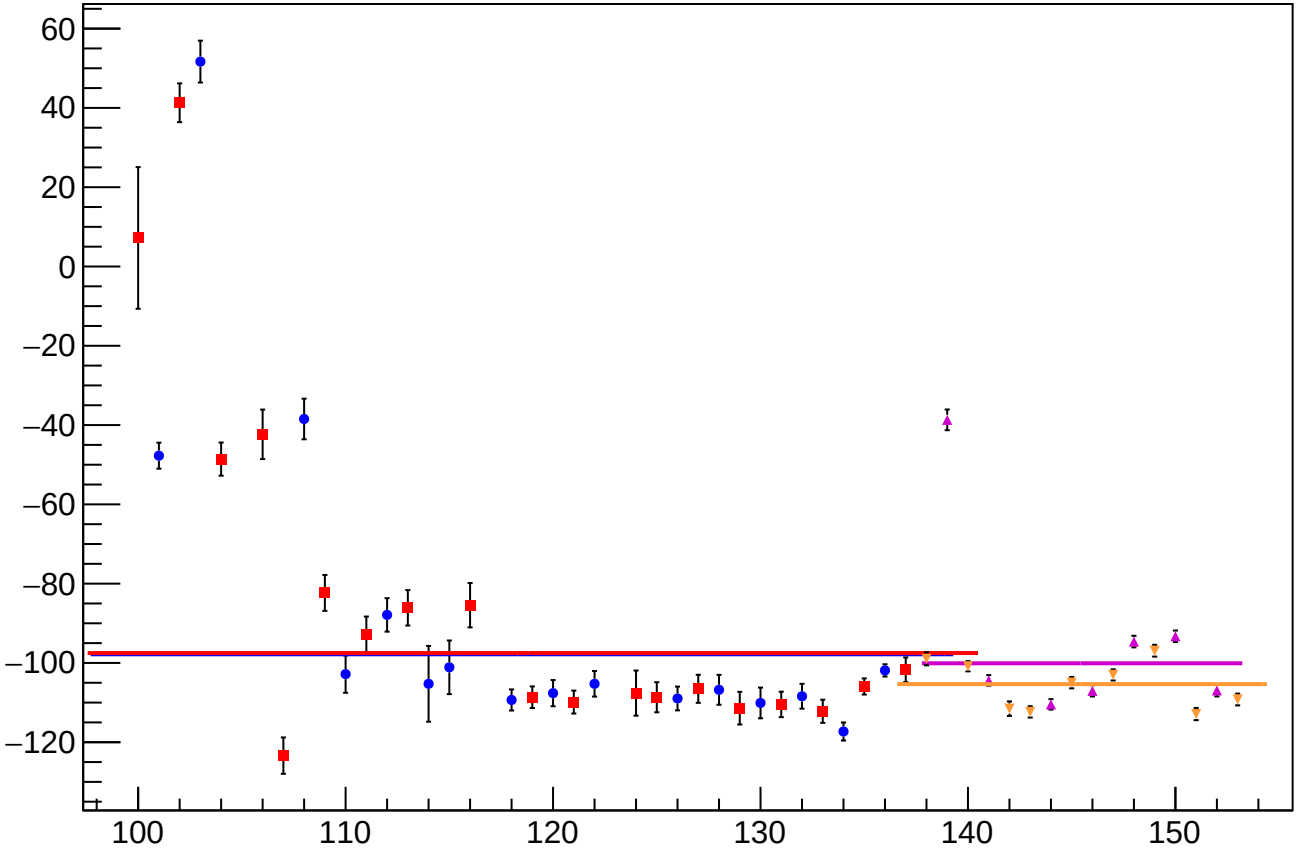
Out: -31.050+/-0.450 χ^2/NDF:845.8/27

All: -29.780+/-0.327 χ^2/NDF: 1543.6/50


reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
−120
−140
−160
−180
100
110
120
130
140
150
Right In: -52.296+/-0.708 χ²/NDF: 1778.2/15
Left Out: -39.918+/-0.410 χ²/NDF:98.8/8
Right Out: -52.737+/-0.748 χ²/NDF: 1662.5/18
Left In: -43.422+/-0.464 χ²/NDF:916.9/6
Left: -41.454+/-0.307 χ²/NDF: 1047.8/15
Right: -52.505+/-0.514 χ²/NDF: 3440.9/34
In: -46.090+/-0.388 χ²/NDF:2805.0/22
Out: -42.879+/-0.360 χ²/NDF:1987.1/27
All: -44.361+/-0.264 χ²/NDF: 4828.9/50


reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
−70
−80
−90
−100
−110
−120
−130
−140
−150
100
110
120
130
140
150
Right In: -123.039+/-0.750 χ²/NDF: 226.8/15
Left Out: -99.313+/-0.580 χ²/NDF:112.5/8
Right Out: -121.646+/-0.801 χ²/NDF: 424.5/18
Left In: -99.115+/-0.650 χ²/NDF:169.3/6
Left: -99.225+/-0.433 χ²/NDF: 281.9/15
Right: -122.388+/-0.548 χ²/NDF: 652.9/34
In: -109.377+/-0.491 χ²/NDF:977.2/22
Out: -106.986+/-0.470 χ²/NDF:1047.0/27
All: -108.128+/-0.339 χ²/NDF: 2036.6/50

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -97.814+/-0.793 χ^2/NDF: 1330.8/15

Left Out: -105.350+/-0.496 χ^2/NDF:128.2/8

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

Left In: -100.090+/-0.563 χ^2/NDF:704.1/6

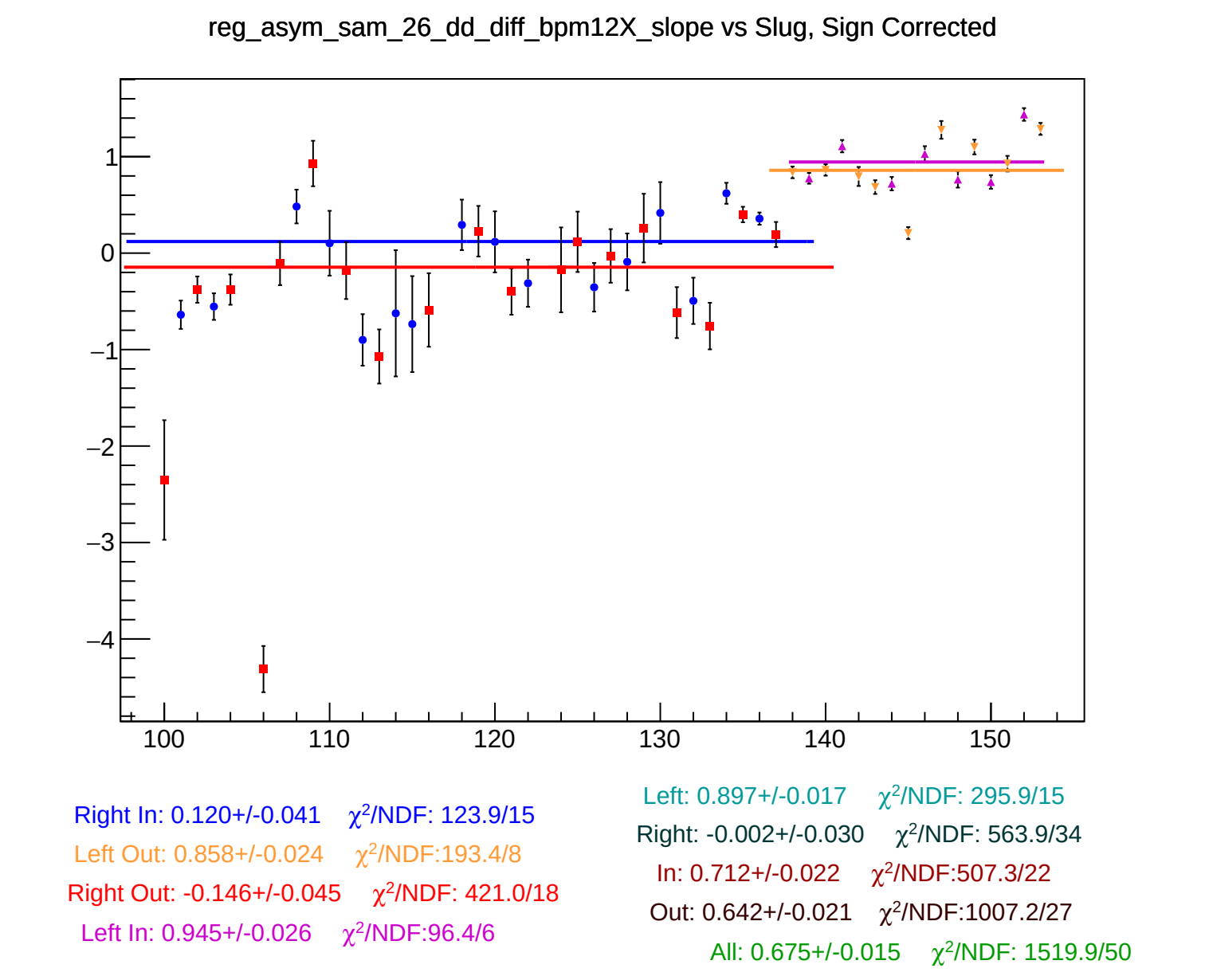
Left: -103.047+/-0.372 χ^2/NDF: 881.5/15

Right: -97.668+/-0.578 χ^2/NDF: 2567.3/34

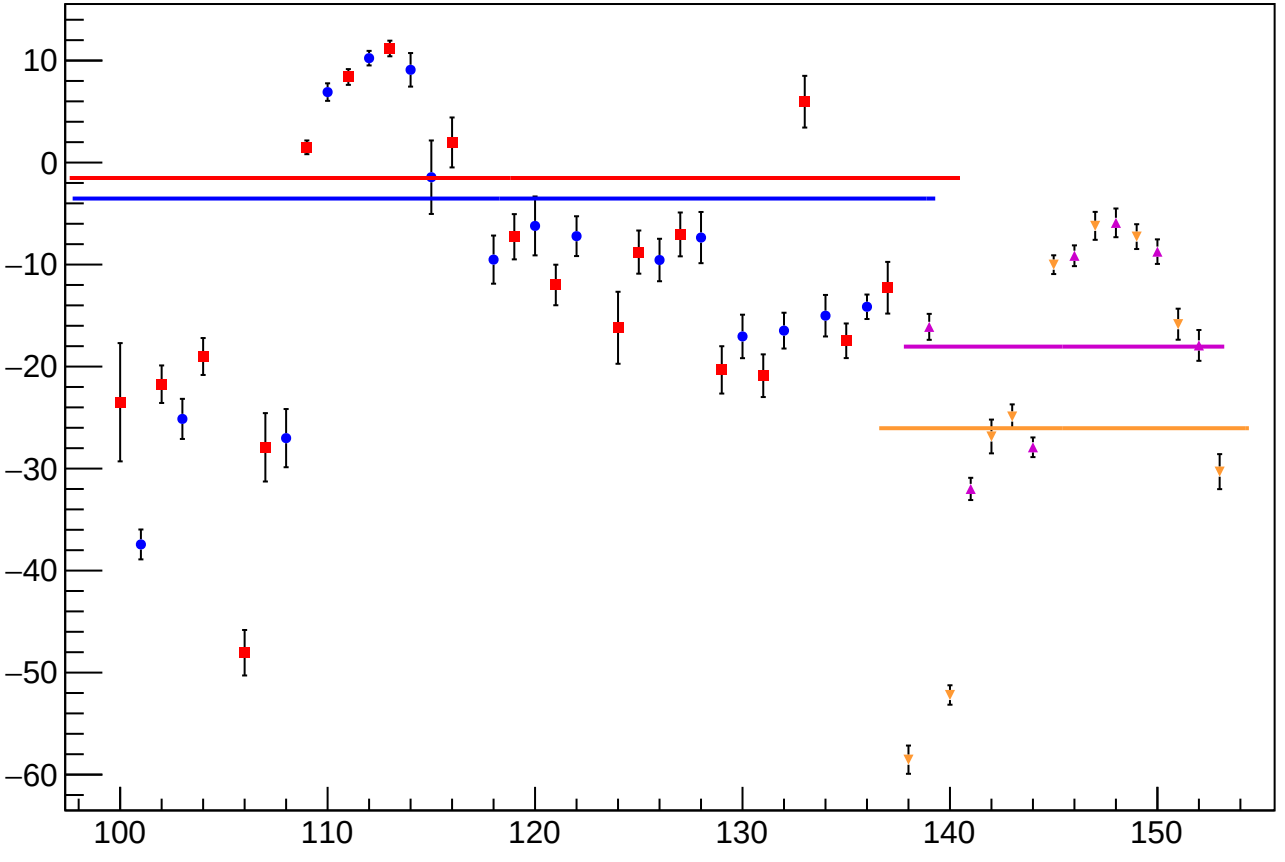
In: -99.328+/-0.459 χ^2/NDF:2040.4/22

Out: -103.328+/-0.428 χ^2/NDF:1429.0/27

All: -101.468+/-0.313 χ^2/NDF: 3510.1/50


reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected
1
0
−1
−2
−3
−4
100
110
120
130
140
150
Right In: 0.120+/-0.041 χ²/NDF: 123.9/15
Left Out: 0.858+/-0.024 χ²/NDF:193.4/8
Right Out: -0.146+/-0.045 χ²/NDF: 421.0/18
Left In: 0.945+/-0.026 χ²/NDF:96.4/6
Left: 0.897+/-0.017 χ²/NDF: 295.9/15
Right: -0.002+/-0.030 χ²/NDF: 563.9/34
In: 0.712+/-0.022 χ²/NDF:507.3/22
Out: 0.642+/-0.021 χ²/NDF:1007.2/27
All: 0.675+/-0.015 χ²/NDF: 1519.9/50

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: -26.043+/-0.413 χ^2/NDF:2107.5/8

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

Left In: -18.043+/-0.441 χ^2/NDF:481.7/6

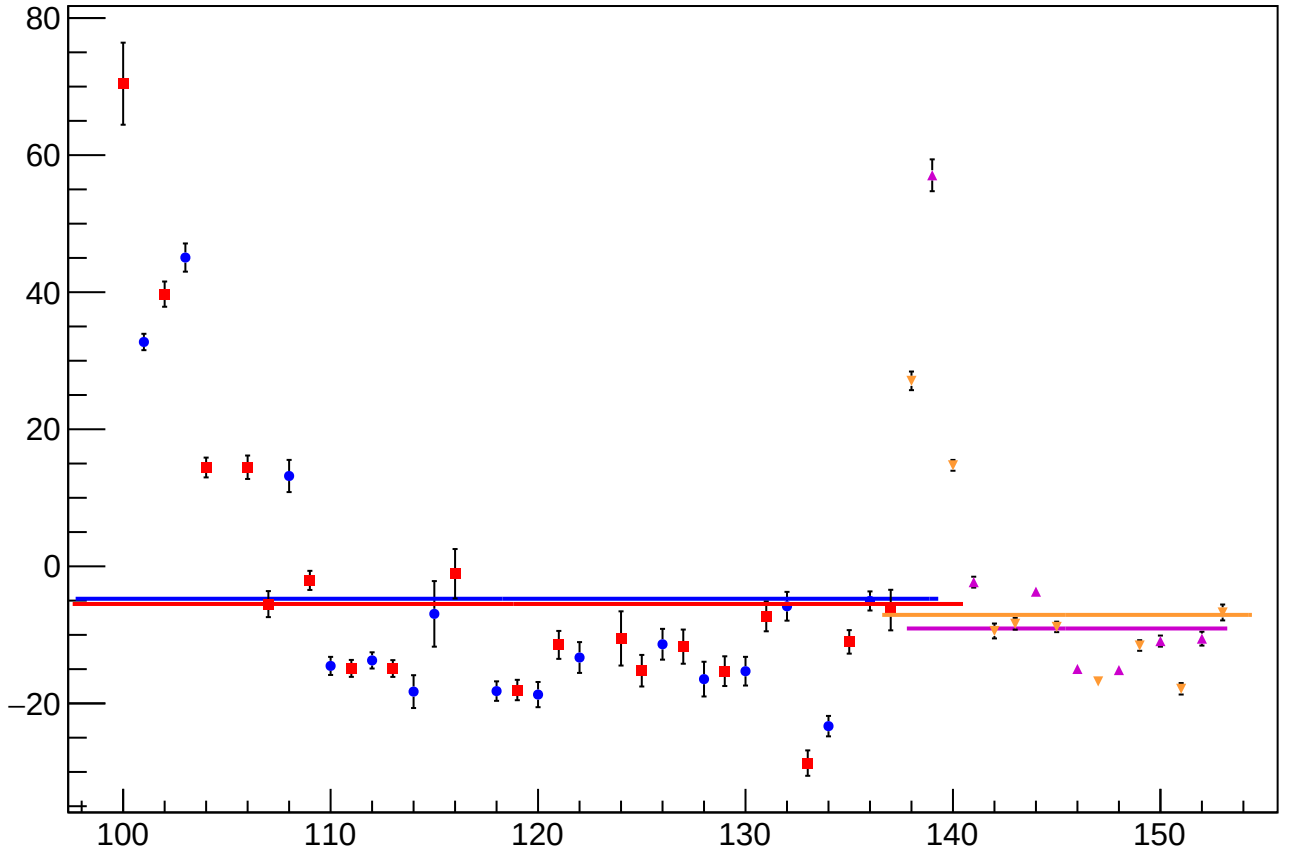
Left: -22.306+/-0.302 χ^2/NDF: 2764.2/15

Right: -2.413+/-0.252 χ^2/NDF: 3069.7/34

In: -9.645+/-0.287 χ^2/NDF:2636.4/22

Out: -11.360+/-0.262 χ^2/NDF:5740.8/27

All: -10.580+/-0.193 χ^2/NDF: 8396.7/50



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: -7.083+/-0.284 χ^2/NDF:1840.2/8

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

Left In: -9.068+/-0.300 χ^2/NDF:1121.0/6

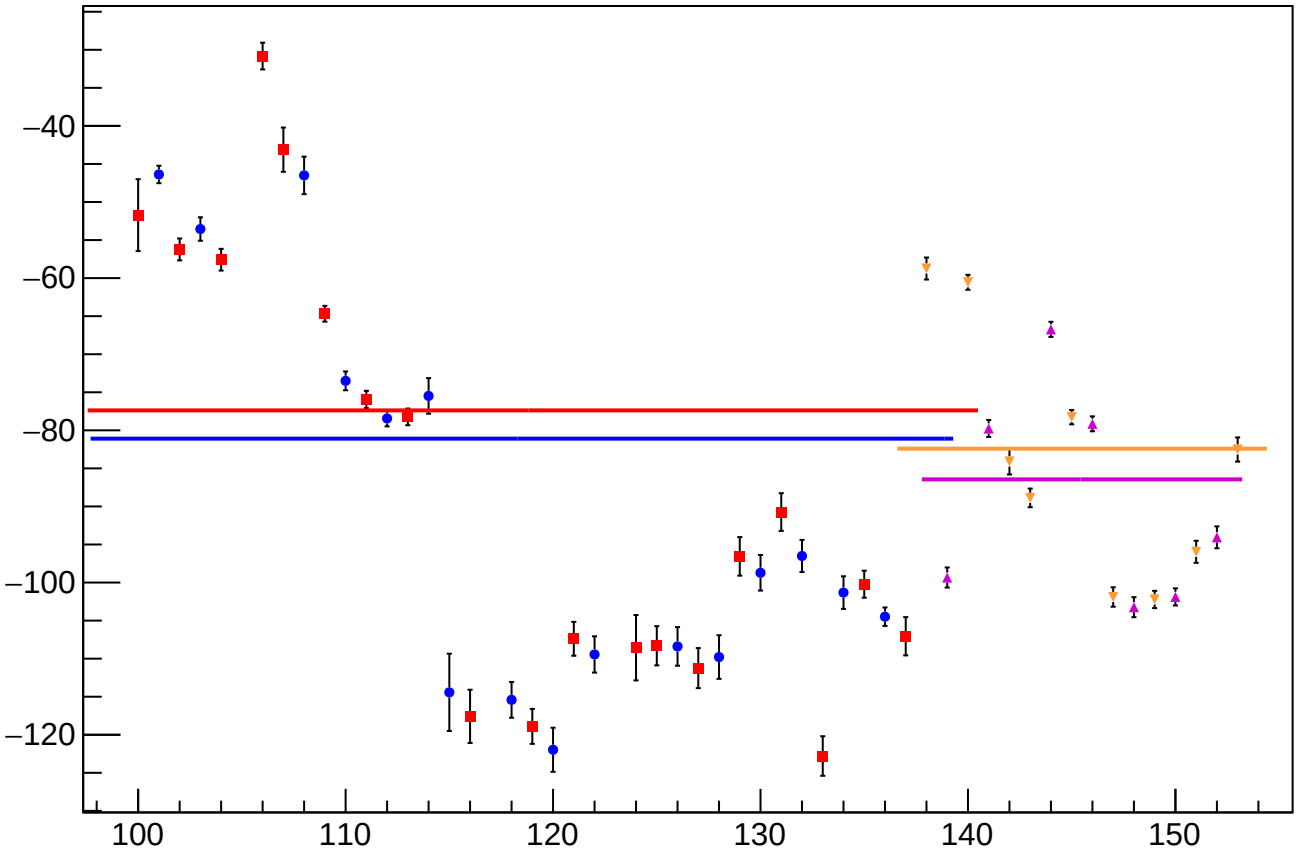
Left: -8.023+/-0.206 χ^2/NDF: 2984.3/15

Right: -5.118+/-0.302 χ^2/NDF: 3658.1/34

In: -7.654+/-0.246 χ^2/NDF:3337.3/22

Out: -6.586+/-0.236 χ^2/NDF:3358.5/27

All: -7.098+/-0.170 χ^2/NDF: 6705.7/50



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -82.403+/-0.411 χ^2/NDF:1437.6/8

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

Left In: -86.443+/-0.435 χ^2/NDF:958.9/6

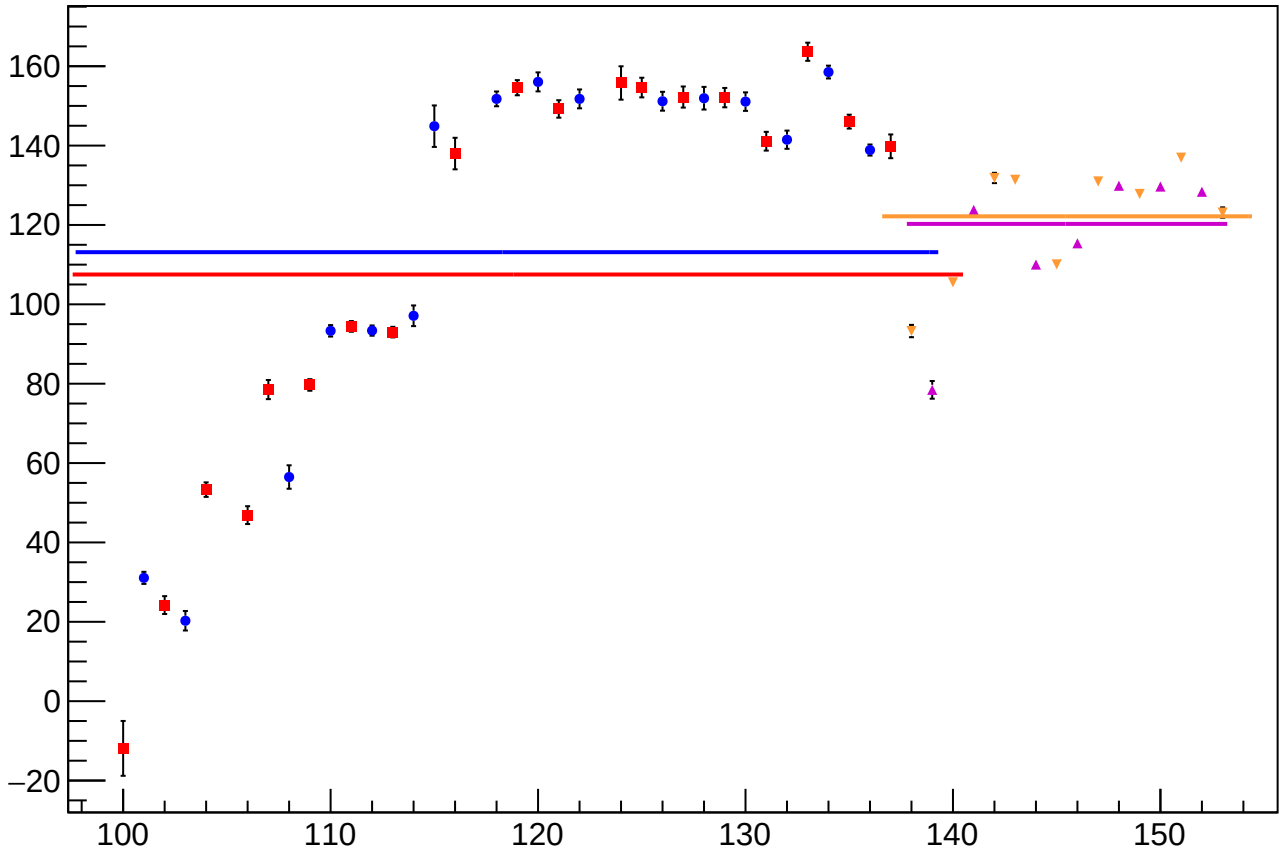
Left: -84.308+/-0.299 χ^2/NDF: 2442.0/15

Right: -79.142+/-0.302 χ^2/NDF: 6037.6/34

In: -83.785+/-0.309 χ^2/NDF:3904.2/22

Out: -79.924+/-0.293 χ^2/NDF:4640.8/27

All: -81.751+/-0.213 χ^2/NDF: 8627.3/50



Right In: 113.143+/-0.489 χ^2/NDF: 8204.1/15

Left Out: 122.175+/-0.347 χ^2/NDF:1312.0/8

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

Left In: 120.265+/-0.365 χ^2/NDF:811.9/6

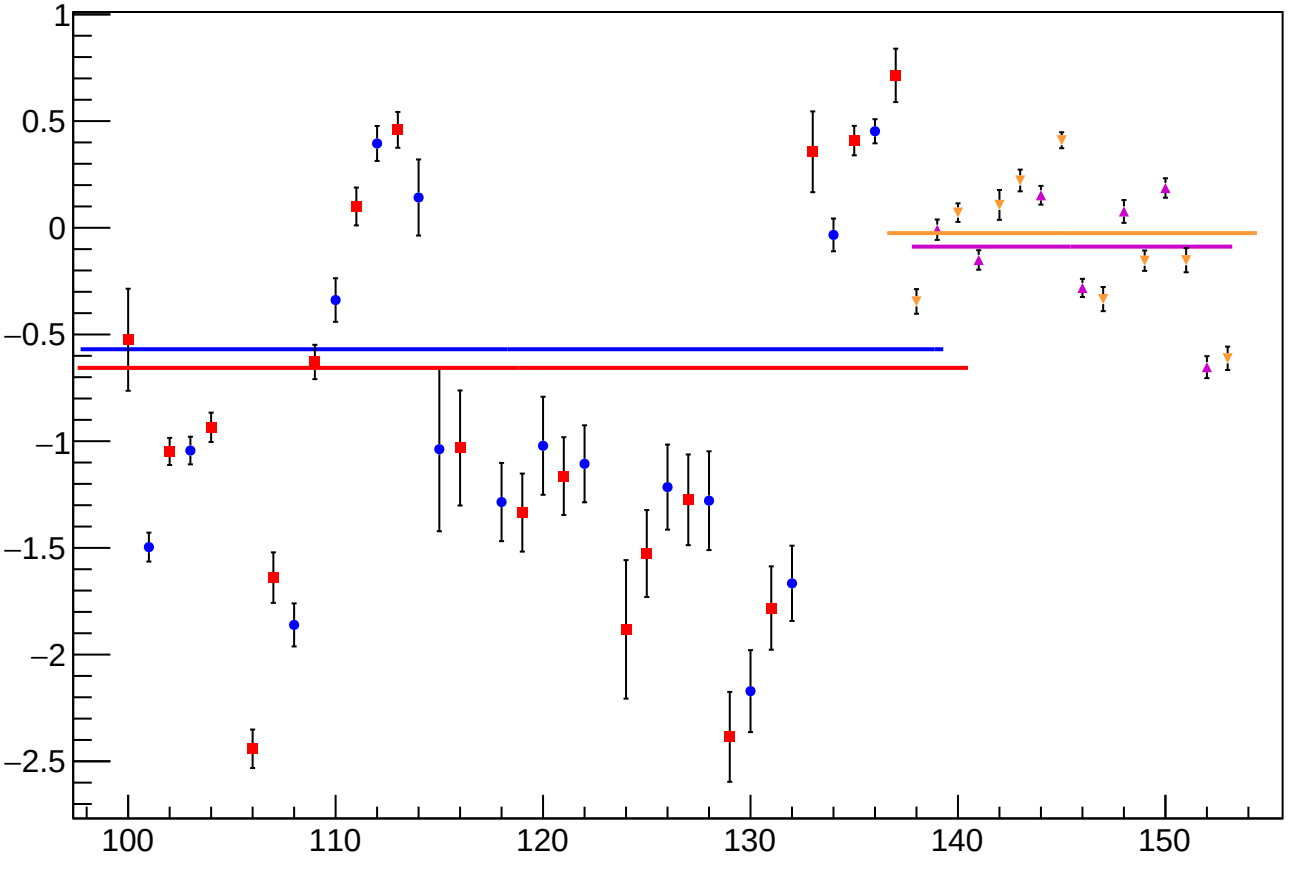
Left: 121.271+/-0.251 χ^2/NDF: 2138.3/15

Right: 110.273+/-0.342 χ^2/NDF: 15815.7/34

In: 117.713+/-0.293 χ^2/NDF:9152.0/22

Out: 117.144+/-0.281 χ^2/NDF:9470.4/27

All: 117.416+/-0.203 χ^2/NDF: 18624.4/50



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: -0.025+/-0.017 χ^2/NDF:355.0/8

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

Left In: -0.088+/-0.018 χ^2/NDF:221.5/6

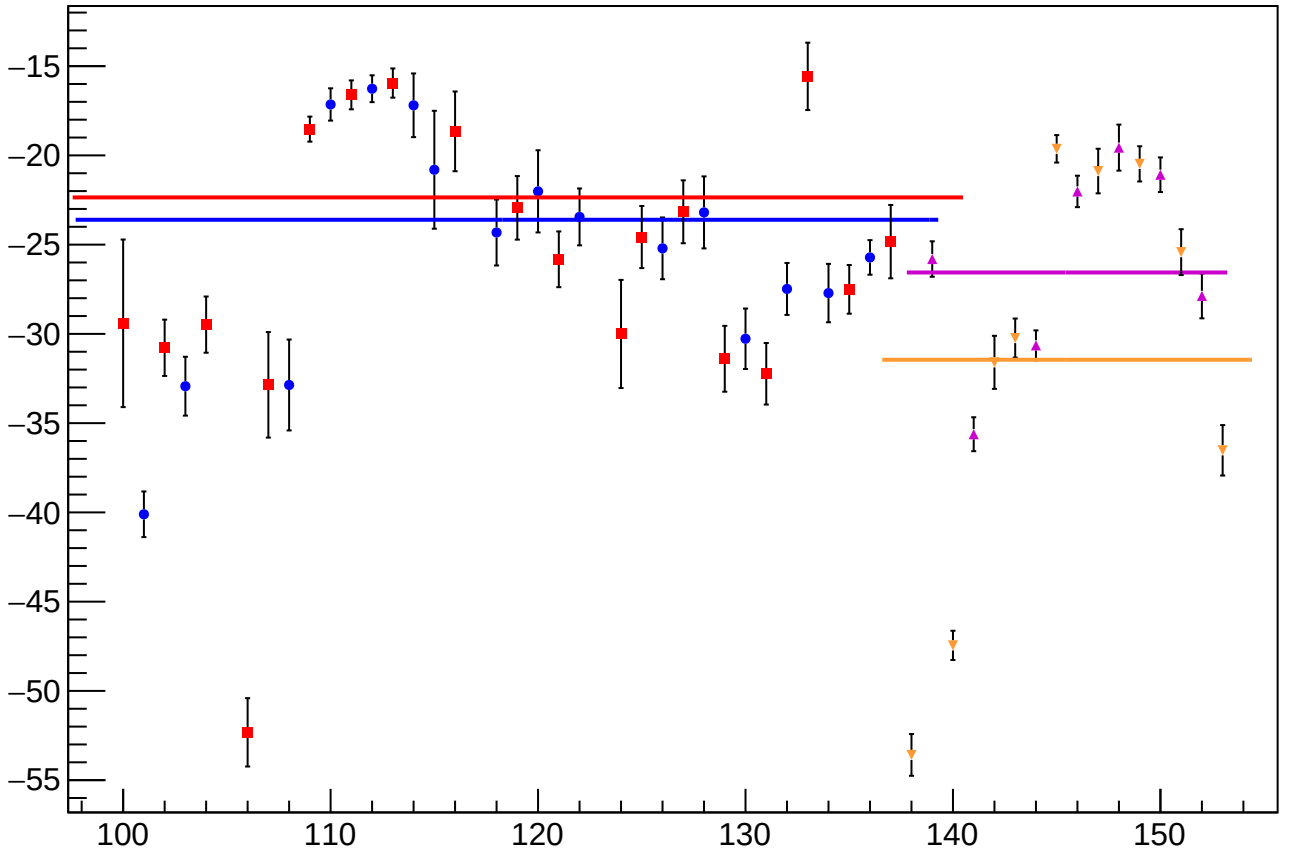
Left: -0.055+/-0.012 χ^2/NDF: 583.3/15

Right: -0.614+/-0.018 χ^2/NDF: 2418.5/34

In: -0.242+/-0.015 χ^2/NDF:1555.2/22

Out: -0.220+/-0.014 χ^2/NDF:2104.2/27

All: -0.230+/-0.010 χ^2/NDF: 3660.6/50



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -31.448+/-0.354 χ^2/NDF:1206.8/8

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

Left In: -26.560+/-0.375 χ^2/NDF:203.9/6

Left: -29.142+/-0.257 χ^2/NDF: 1500.6/15

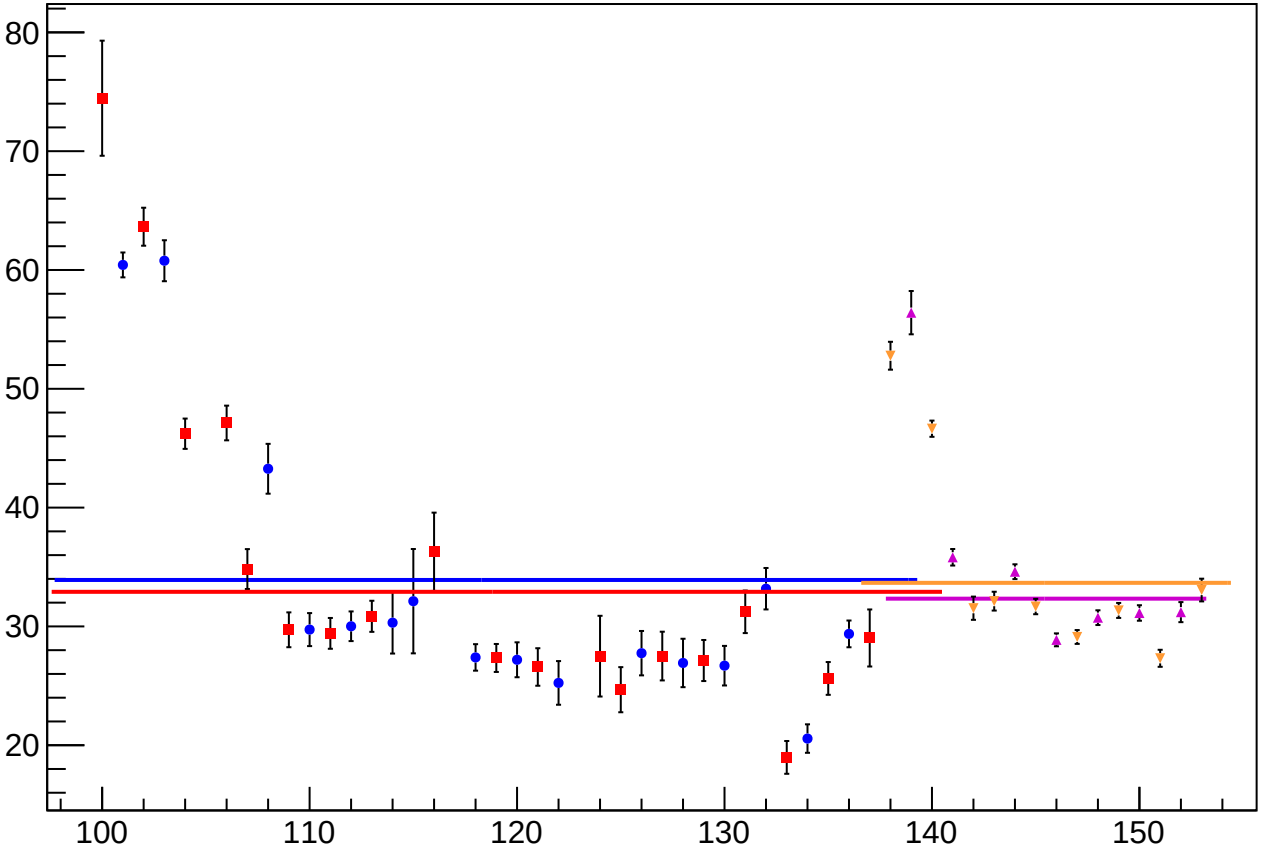
Right: -22.931+/-0.236 χ^2/NDF: 965.1/34

In: -24.976+/-0.255 χ^2/NDF:643.6/22

Out: -26.466+/-0.238 χ^2/NDF:2119.7/27

All: -25.772+/-0.174 χ^2/NDF: 2781.6/50

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 33.668+/-0.247 χ^2/NDF:798.9/8

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

Left In: 32.336+/-0.261 χ^2/NDF:265.4/6

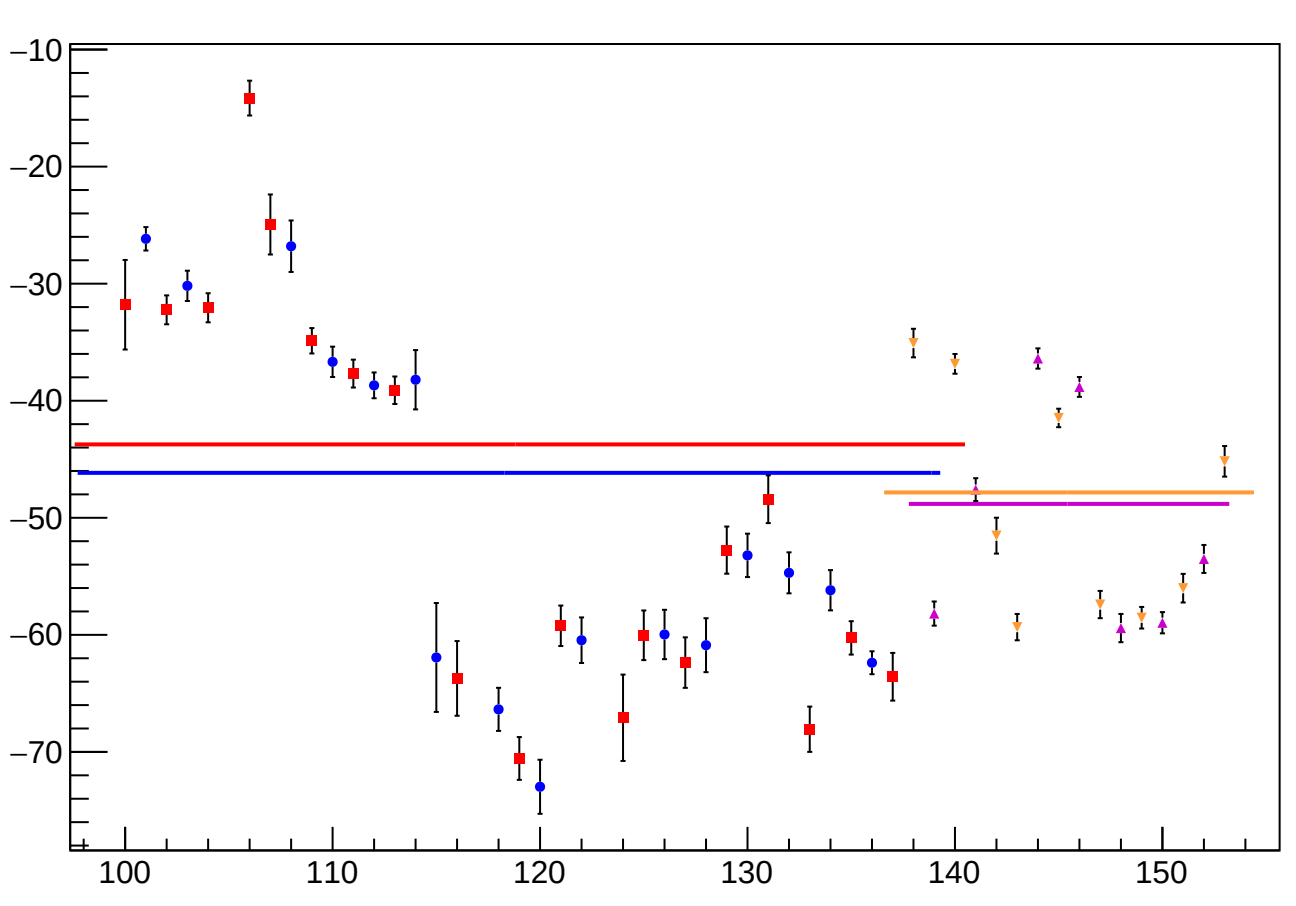
Left: 33.039+/-0.179 χ^2/NDF: 1078.0/15

Right: 33.407+/-0.264 χ^2/NDF: 2062.9/34

In: 32.849+/-0.214 χ^2/NDF:1461.6/22

Out: 33.437+/-0.206 χ^2/NDF:1676.7/27

All: 33.155+/-0.148 χ^2/NDF: 3142.3/50



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -47.832+/-0.352 χ^2/NDF:705.9/8

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

Left In: -48.813+/-0.370 χ^2/NDF:646.3/6

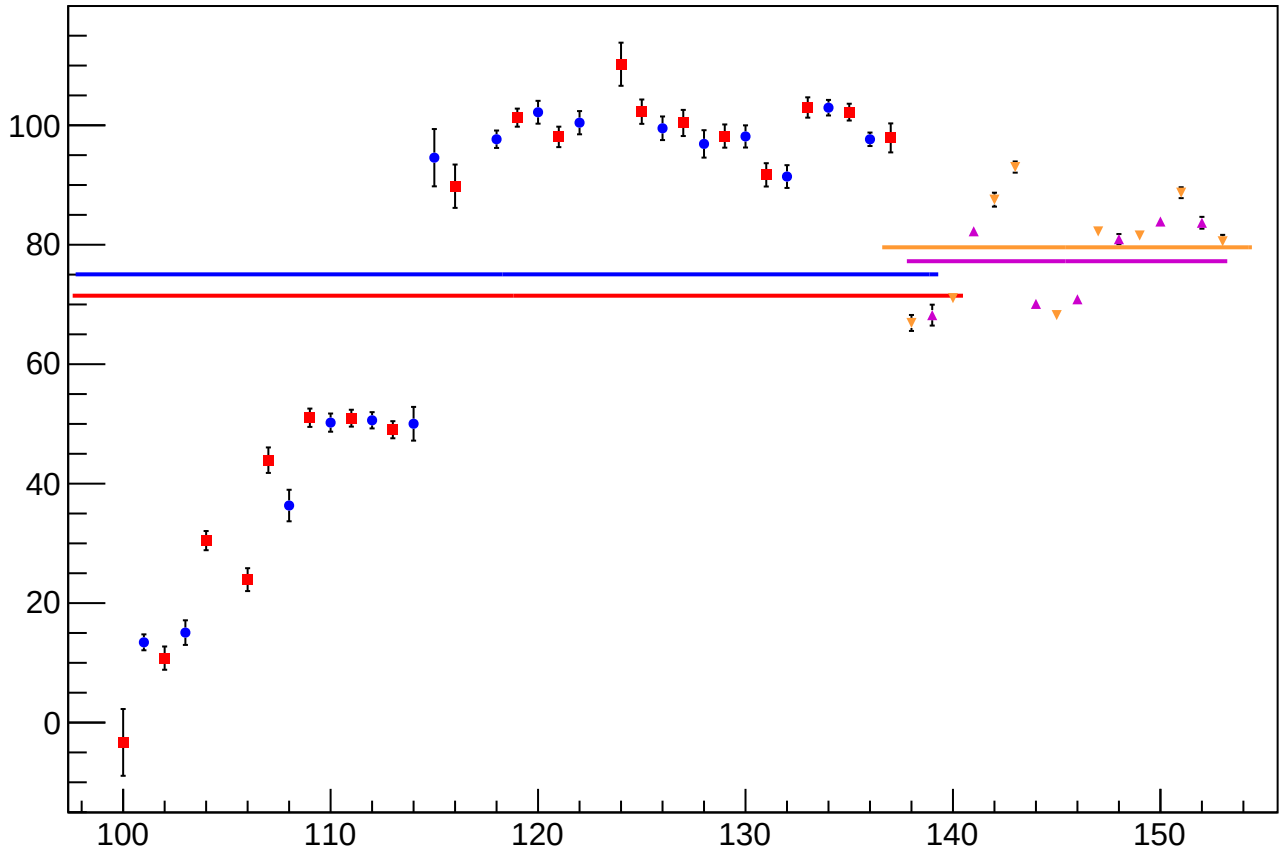
Left: -48.298+/-0.255 χ^2/NDF: 1355.9/15

Right: -44.909+/-0.271 χ^2/NDF: 3173.0/34

In: -47.557+/-0.268 χ^2/NDF:2160.3/22

Out: -45.929+/-0.258 χ^2/NDF:2432.3/27

All: -46.710+/-0.186 χ^2/NDF: 4611.7/50



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 79.571+/-0.299 χ^2/NDF:807.8/8

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

Left In: 77.241+/-0.315 χ^2/NDF:388.5/6

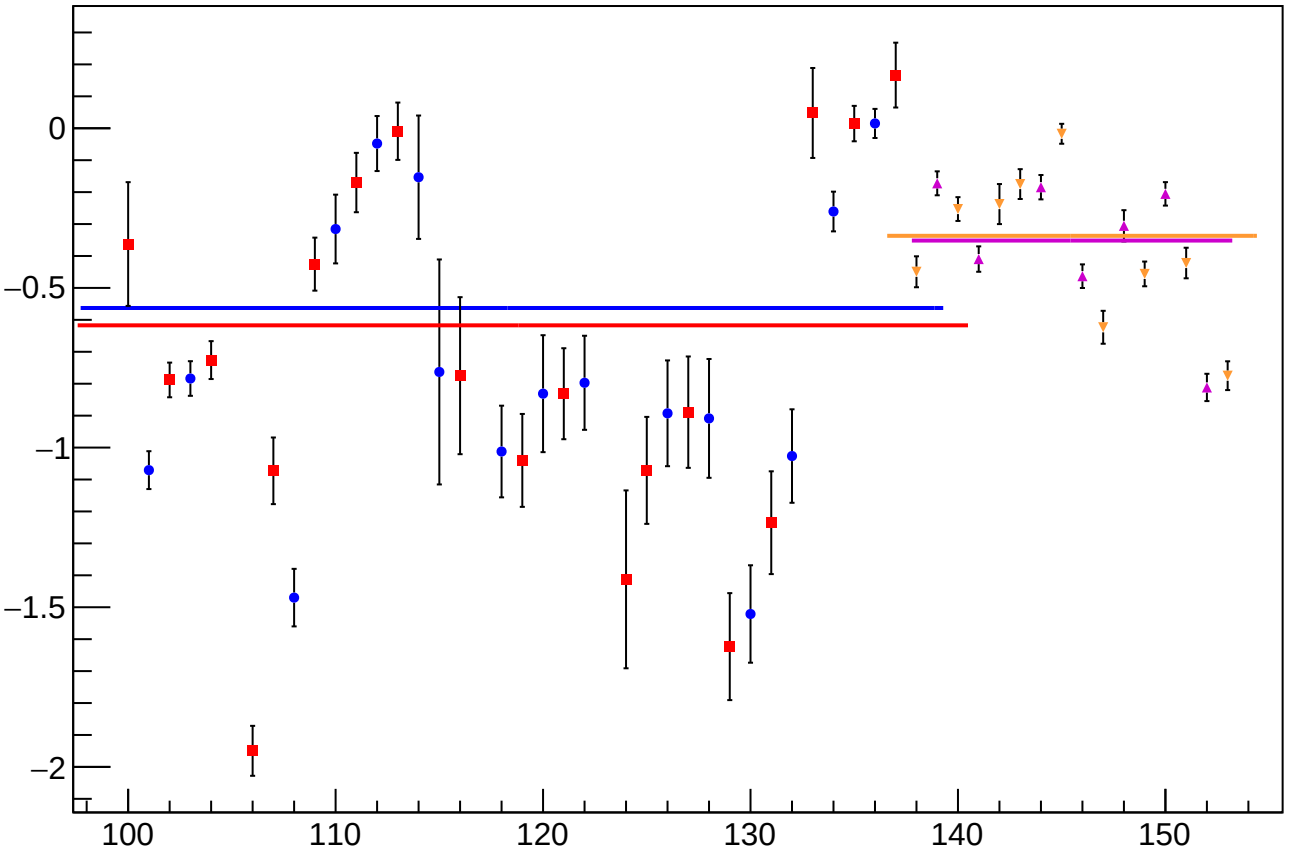
Left: 78.467+/-0.217 χ^2/NDF: 1225.0/15

Right: 73.248+/-0.302 χ^2/NDF: 11491.6/34

In: 76.466+/-0.254 χ^2/NDF:6234.0/22

Out: 76.890+/-0.245 χ^2/NDF:6678.4/27

All: 76.685+/-0.176 χ^2/NDF: 12913.9/50



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.337+/-0.014 χ^2/NDF:267.9/8

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

Left In: -0.352+/-0.015 χ^2/NDF:185.9/6

Left: -0.344+/-0.010 χ^2/NDF: 454.2/15

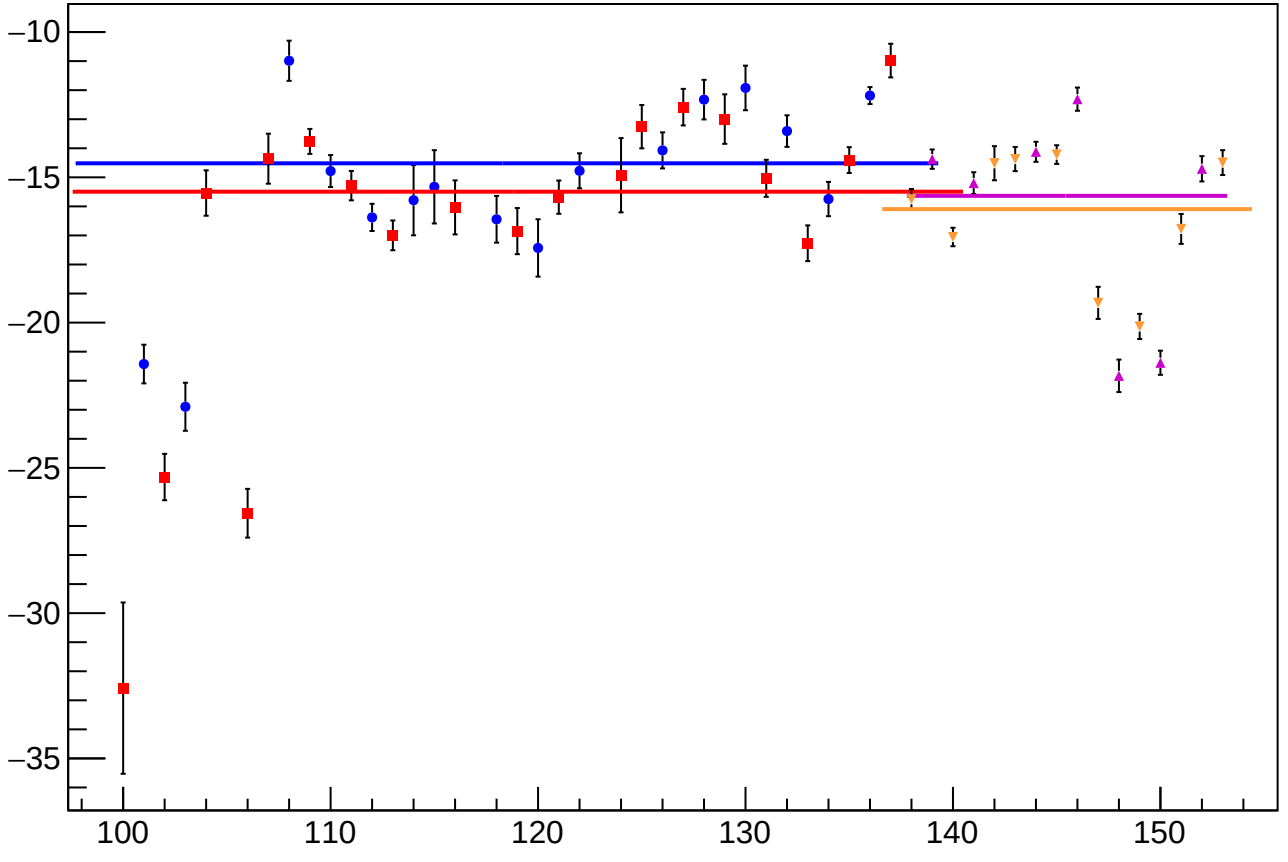
Right: -0.590+/-0.016 χ^2/NDF: 1186.0/34

In: -0.418+/-0.012 χ^2/NDF:741.0/22

Out: -0.419+/-0.012 χ^2/NDF:1070.5/27

All: -0.419+/-0.009 χ^2/NDF: 1811.4/50

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -14.518+/-0.149 χ^2/NDF: 363.3/15

Left Out: -16.094+/-0.136 χ^2/NDF:205.3/8

Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: -15.637+/-0.149 χ^2/NDF:422.7/6

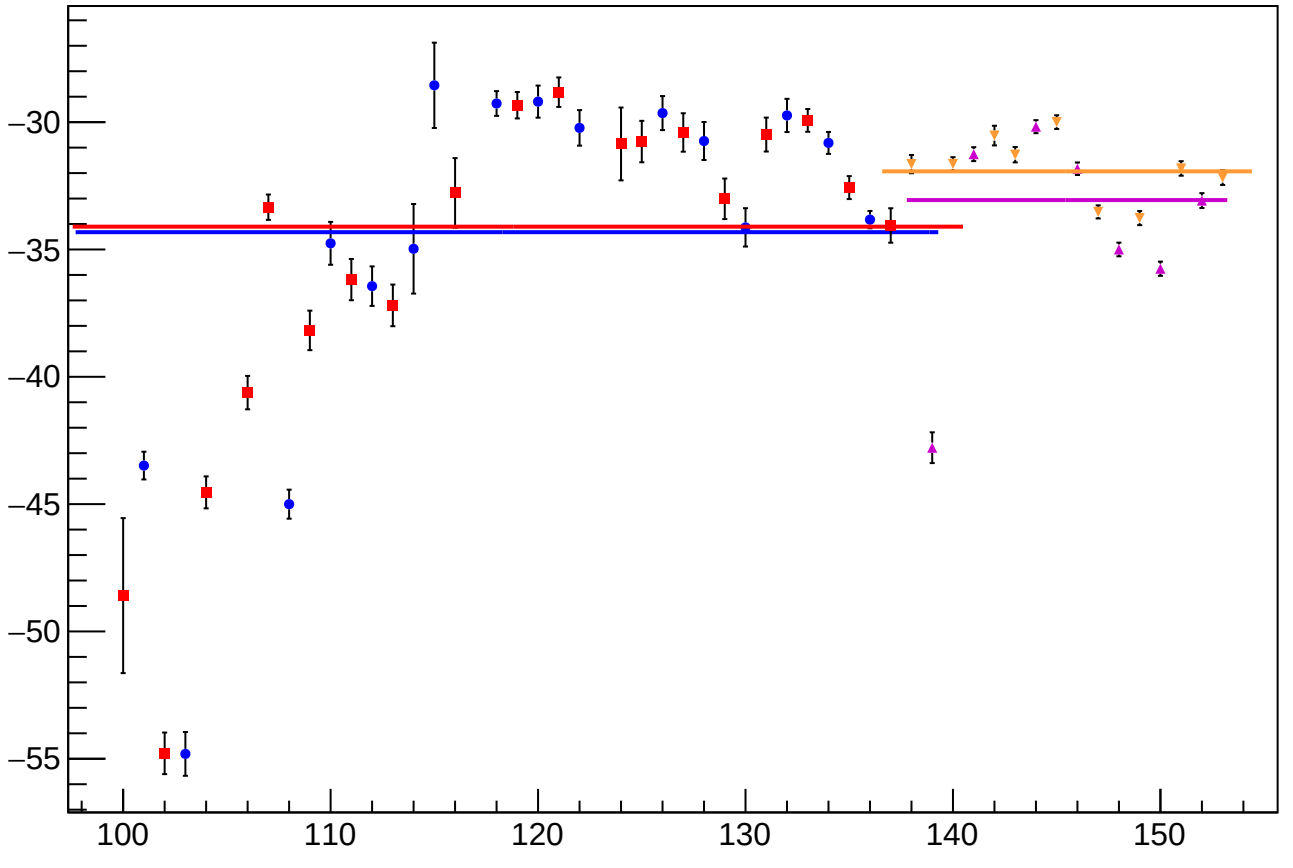
Left: -15.886+/-0.100 χ^2/NDF: 633.2/15

Right: -15.004+/-0.106 χ^2/NDF: 888.5/34

In: -15.080+/-0.105 χ^2/NDF:814.2/22

Out: -15.823+/-0.101 χ^2/NDF:718.0/27

All: -15.469+/-0.073 χ^2/NDF: 1558.2/50



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.931+/-0.097 χ^2/NDF:154.4/8

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

Left In: -33.060+/-0.108 χ^2/NDF:599.4/6

Left: -32.437+/-0.072 χ^2/NDF: 814.4/15

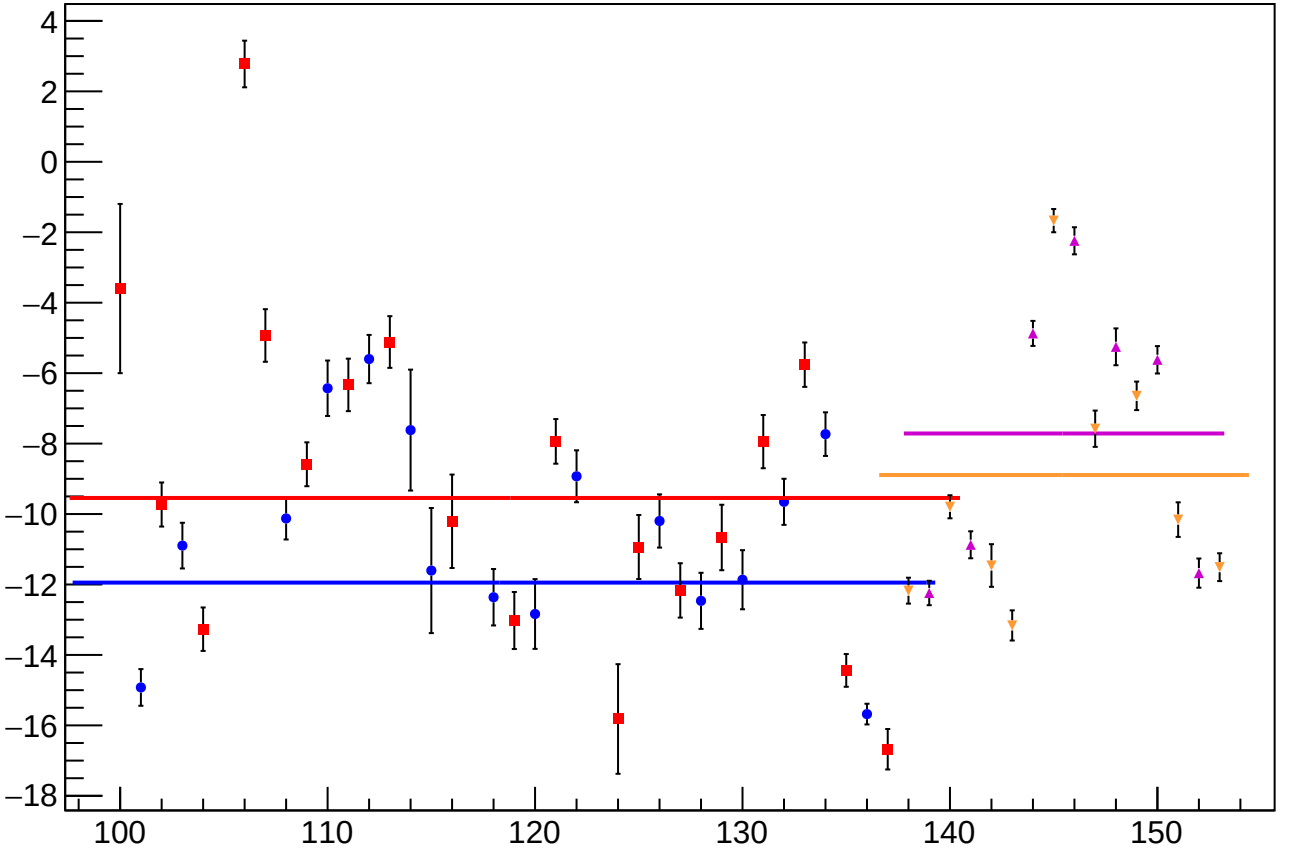
Right: -34.213+/-0.109 χ^2/NDF: 3056.3/34

In: -33.477+/-0.088 χ^2/NDF:2265.3/22

Out: -32.549+/-0.082 χ^2/NDF:1731.4/27

All: -32.981+/-0.060 χ^2/NDF: 4055.9/50

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -11.946+/-0.160 χ^2/NDF: 430.0/15

Left Out: -8.892+/-0.135 χ^2/NDF:771.3/8

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

Left In: -7.713+/-0.148 χ^2/NDF:647.8/6

Left: -8.353+/-0.100 χ^2/NDF: 1453.7/15

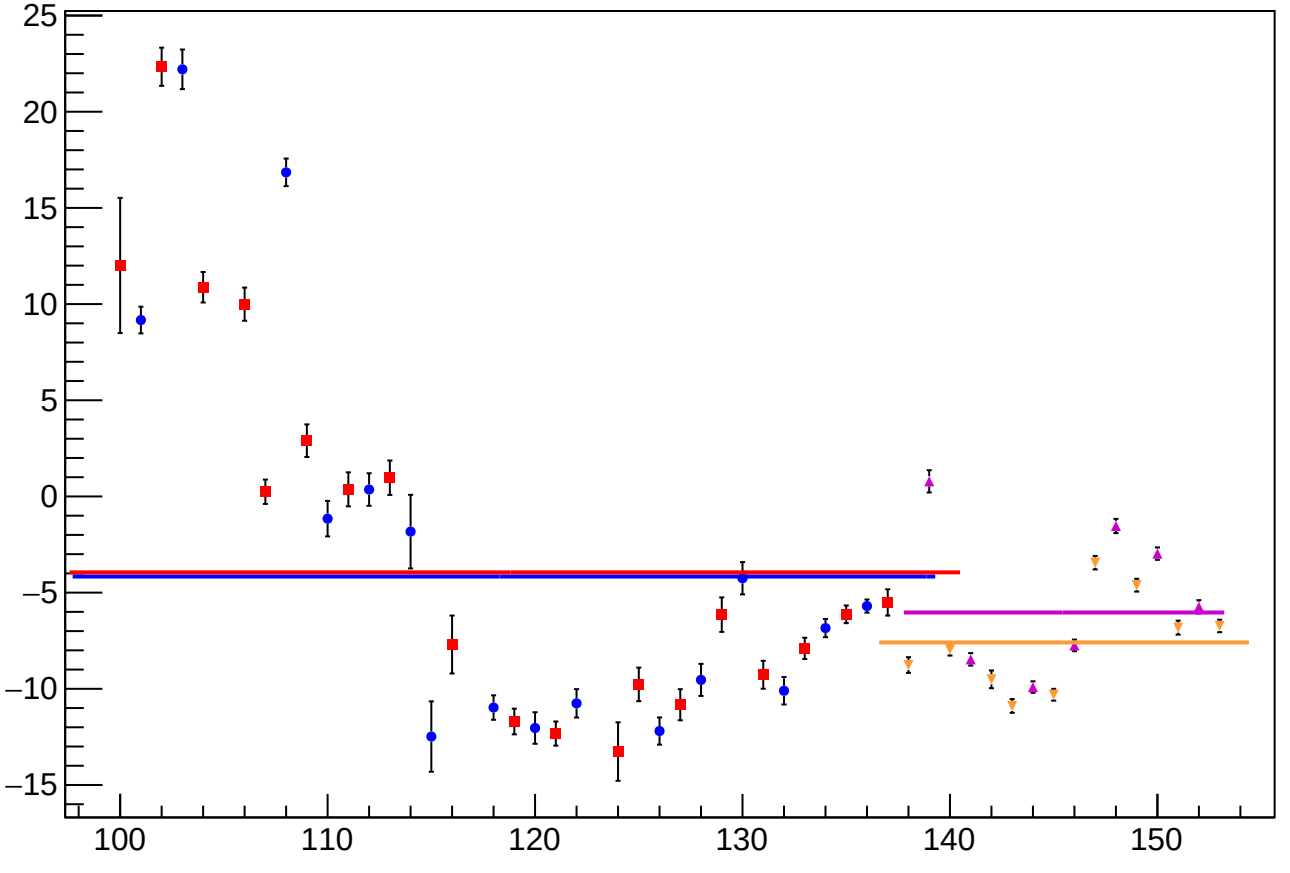
Right: -10.782+/-0.115 χ^2/NDF: 1386.2/34

In: -9.657+/-0.109 χ^2/NDF:1455.7/22

Out: -9.154+/-0.105 χ^2/NDF:1627.7/27

All: -9.397+/-0.075 χ^2/NDF: 3094.5/50

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.163+/-0.172 χ^2/NDF: 2525.0/15

Left Out: -7.590+/-0.117 χ^2/NDF:422.5/8

Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

Left In: -6.034+/-0.129 χ^2/NDF:632.1/6

Left: -6.890+/-0.087 χ^2/NDF: 1134.3/15

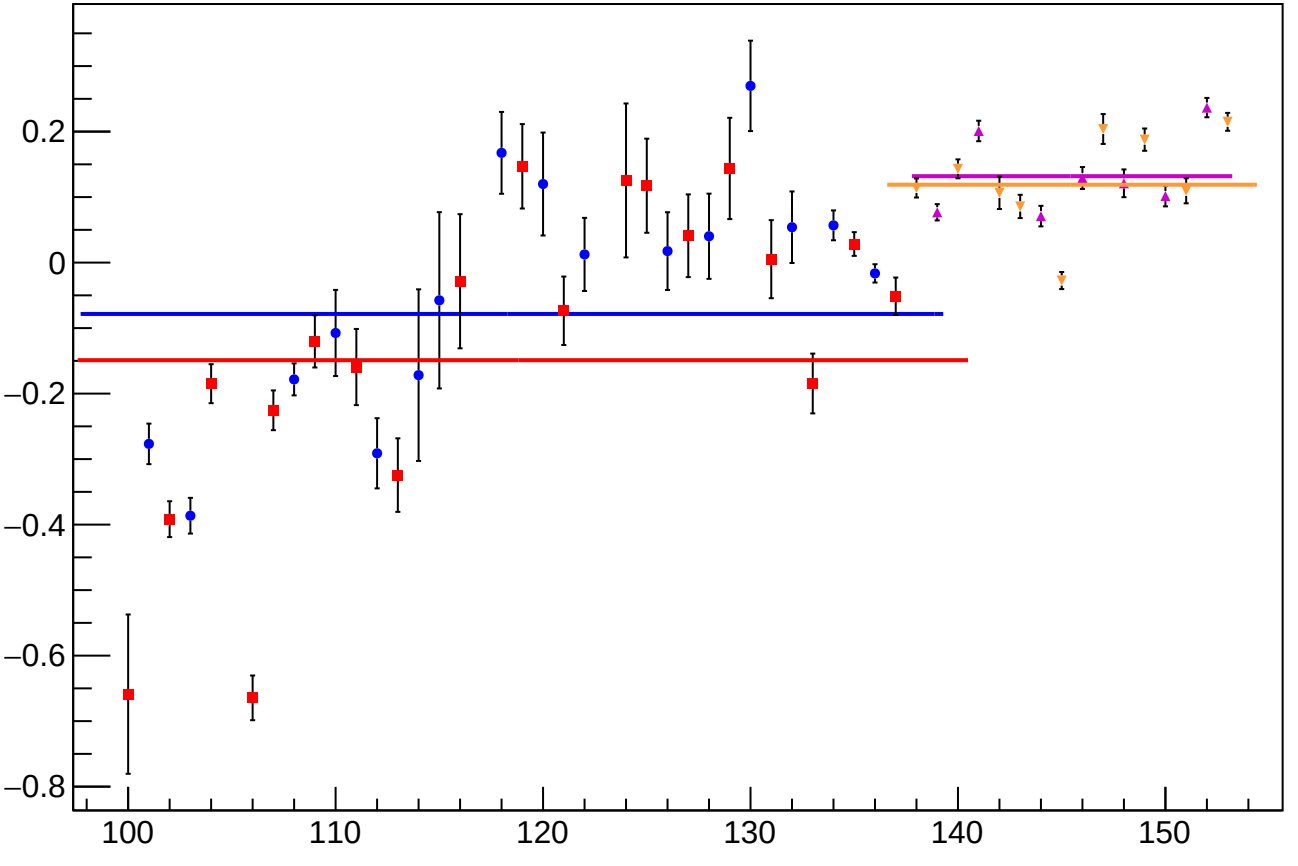
Right: -4.057+/-0.123 χ^2/NDF: 4636.0/34

In: -5.358+/-0.103 χ^2/NDF:3232.8/22

Out: -6.475+/-0.097 χ^2/NDF:2830.0/27

All: -5.950+/-0.071 χ^2/NDF: 6124.7/50

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.119+/-0.005 χ^2/NDF:212.5/8

Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.132+/-0.006 χ^2/NDF:108.5/6

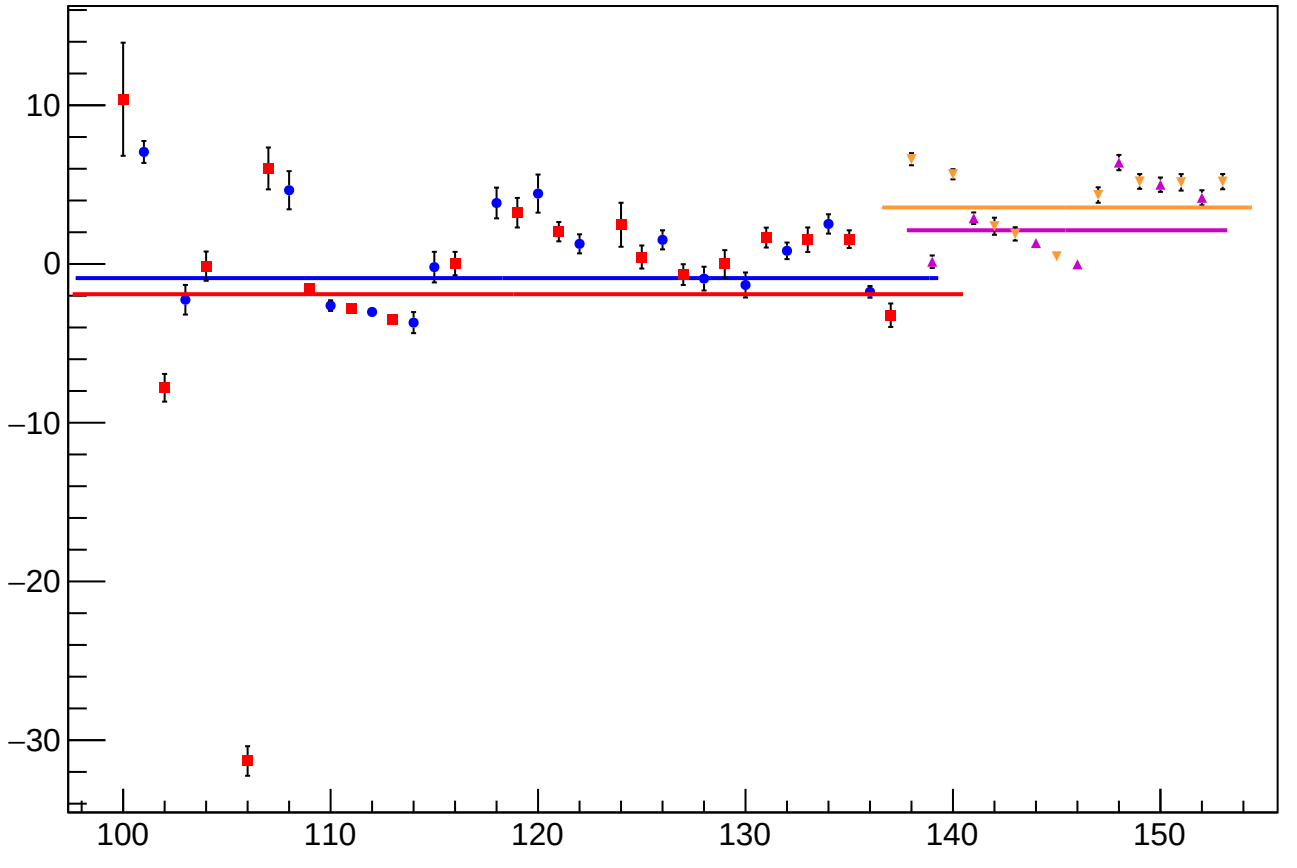
Left: 0.125+/-0.004 χ^2/NDF: 323.7/15

Right: -0.112+/-0.006 χ^2/NDF: 875.6/34

In: 0.065+/-0.005 χ^2/NDF:837.5/22

Out: 0.048+/-0.005 χ^2/NDF:1377.6/27

All: 0.056+/-0.003 χ^2/NDF: 2221.4/50



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.560+/-0.130 χ^2/NDF:320.0/8

Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 2.124+/-0.138 χ^2/NDF:226.6/6

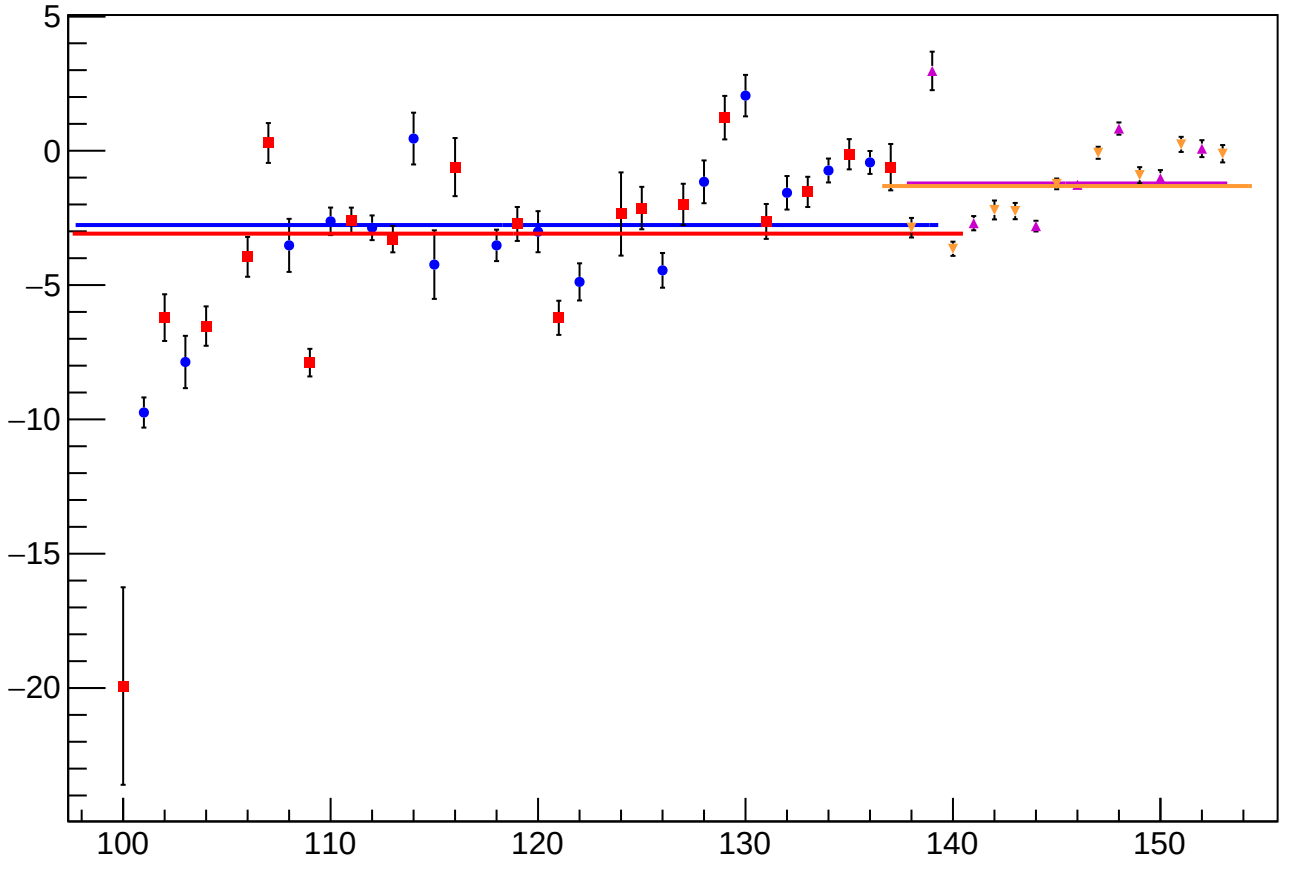
Left: 2.885+/-0.095 χ^2/NDF: 603.9/15

Right: -1.428+/-0.094 χ^2/NDF: 1741.3/34

In: 0.601+/-0.097 χ^2/NDF:847.5/22

Out: 0.794+/-0.091 χ^2/NDF:2545.9/27

All: 0.703+/-0.067 χ^2/NDF: 3395.6/50



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -1.314+/-0.092 χ^2/NDF:188.7/8

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

Left In: -1.219+/-0.094 χ^2/NDF:226.5/6

Left: -1.268+/-0.066 χ^2/NDF: 415.7/15

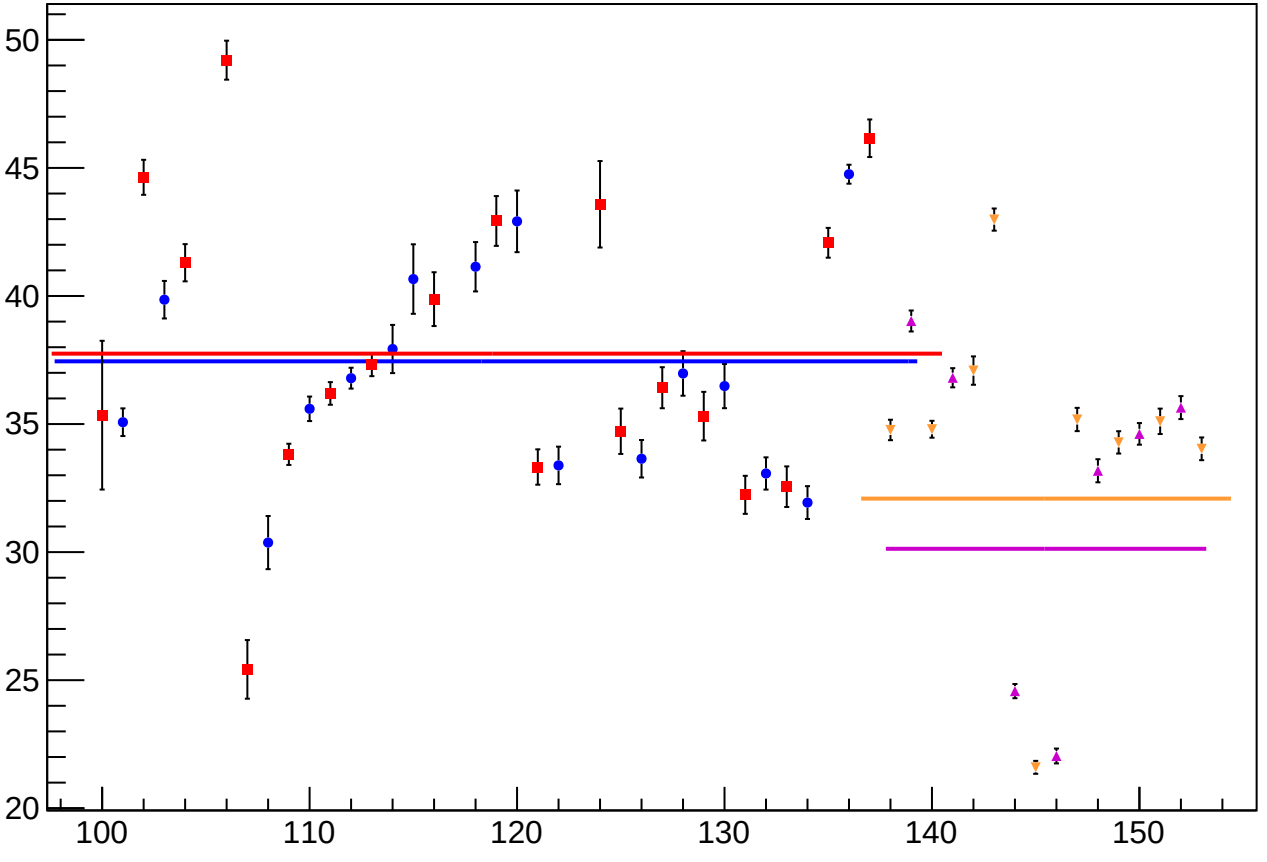
Right: -2.925+/-0.111 χ^2/NDF: 584.6/34

In: -1.629+/-0.080 χ^2/NDF:608.6/22

Out: -1.761+/-0.079 χ^2/NDF:555.7/27

All: -1.696+/-0.056 χ^2/NDF: 1165.7/50

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: 32.089+/-0.130 χ^2/NDF:2681.6/8

Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

Left In: 30.130+/-0.137 χ^2/NDF:2276.5/6

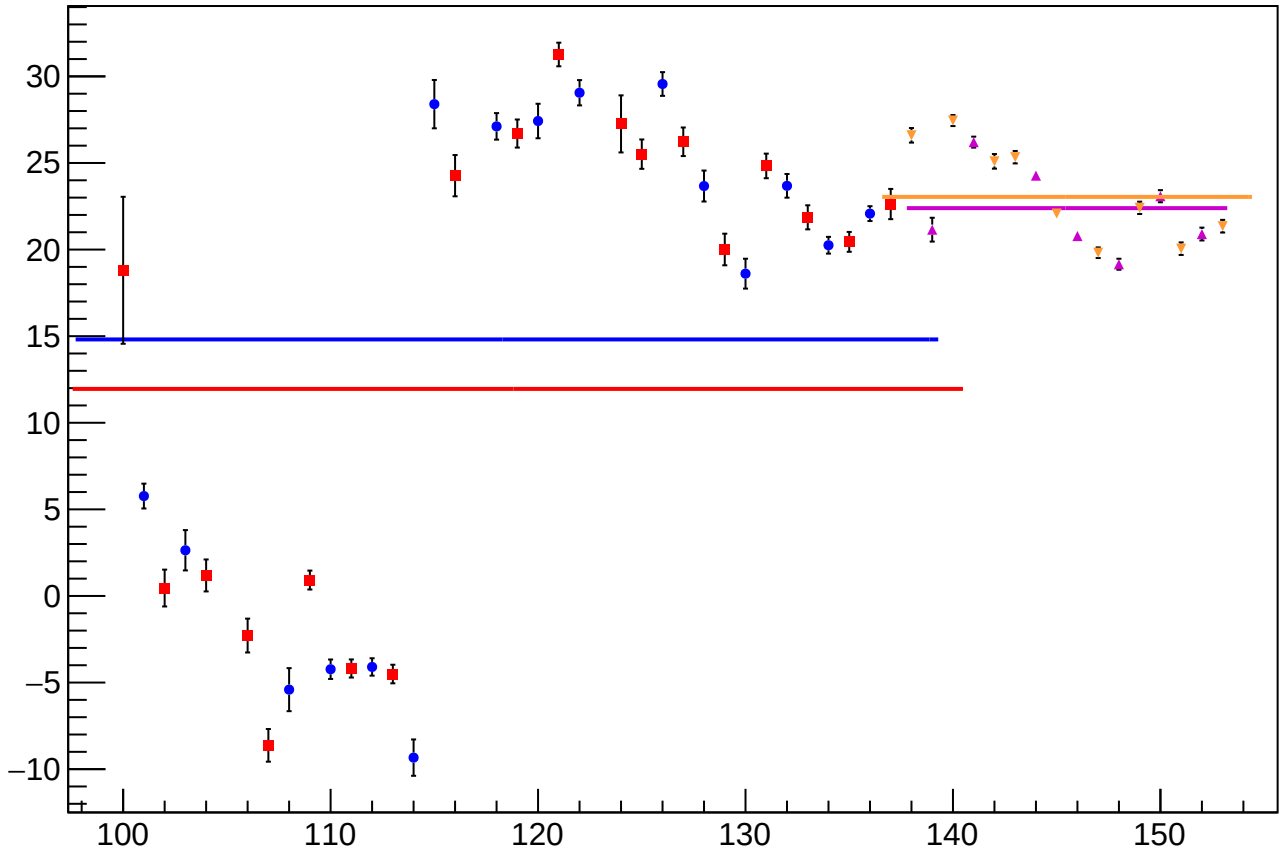
Left: 31.158+/-0.094 χ^2/NDF: 5065.7/15

Right: 37.600+/-0.113 χ^2/NDF: 1672.3/34

In: 33.205+/-0.104 χ^2/NDF:4185.9/22

Out: 34.354+/-0.101 χ^2/NDF:4401.3/27

All: 33.798+/-0.072 χ^2/NDF: 8650.0/50



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 23.042+/-0.111 χ^2/NDF:547.0/8

Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 22.393+/-0.115 χ^2/NDF:389.7/6

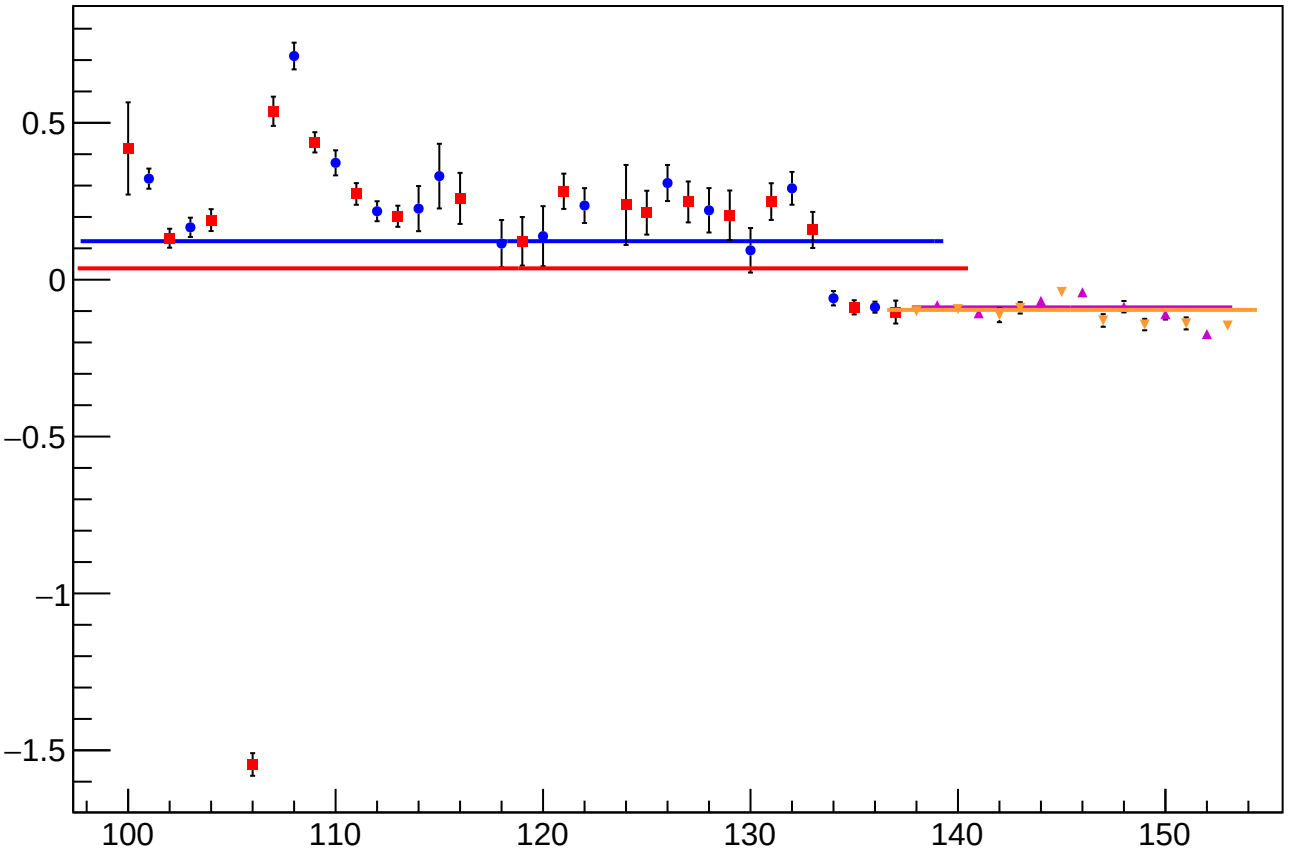
Left: 22.728+/-0.080 χ^2/NDF: 953.3/15

Right: 13.408+/-0.124 χ^2/NDF: 11924.5/34

In: 20.095+/-0.096 χ^2/NDF:7400.7/22

Out: 19.916+/-0.094 χ^2/NDF:9475.5/27

All: 20.004+/-0.067 χ^2/NDF: 16877.9/50



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.096+/-0.005 χ^2/NDF:58.3/8

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

Left In: -0.088+/-0.006 χ^2/NDF:49.1/6

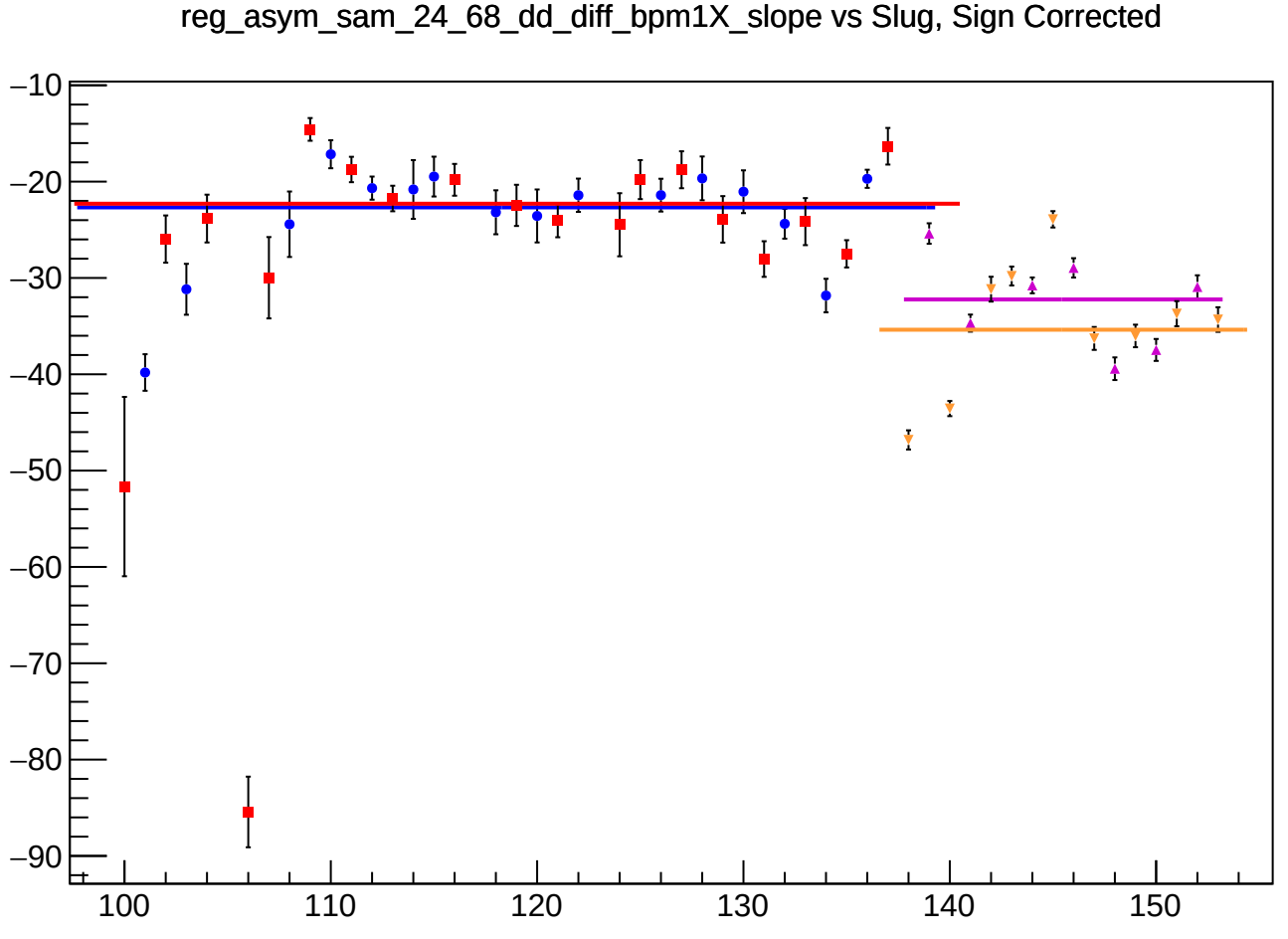
Left: -0.092+/-0.004 χ^2/NDF: 108.4/15

Right: 0.081+/-0.007 χ^2/NDF: 2975.5/34

In: -0.034+/-0.005 χ^2/NDF:941.5/22

Out: -0.066+/-0.005 χ^2/NDF:2614.9/27

All: -0.050+/-0.003 χ^2/NDF: 3580.6/50



Right In: -22.675+/-0.435 χ^2/NDF: 154.4/15

Left Out: -35.374+/-0.347 χ^2/NDF:468.5/8

Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

Left In: -32.232+/-0.383 χ^2/NDF:122.7/6

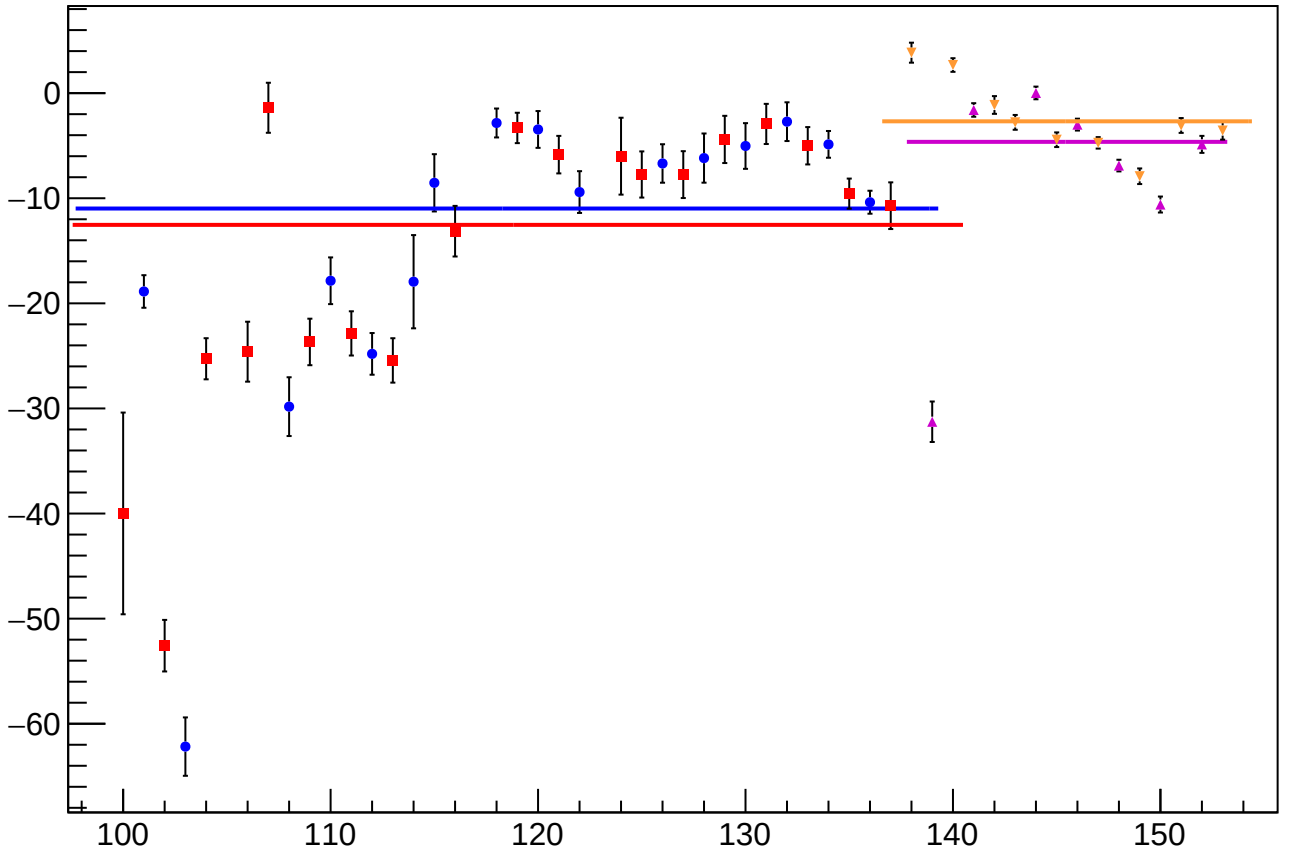
Left: -33.956+/-0.257 χ^2/NDF: 628.1/15

Right: -22.485+/-0.307 χ^2/NDF: 560.3/34

In: -28.053+/-0.287 χ^2/NDF:549.4/22

Out: -30.285+/-0.271 χ^2/NDF:1425.8/27

All: -29.232+/-0.197 χ^2/NDF: 2007.0/50



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: -2.681+/-0.239 χ^2/NDF:190.0/8

Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

Left In: -4.634+/-0.258 χ^2/NDF:359.4/6

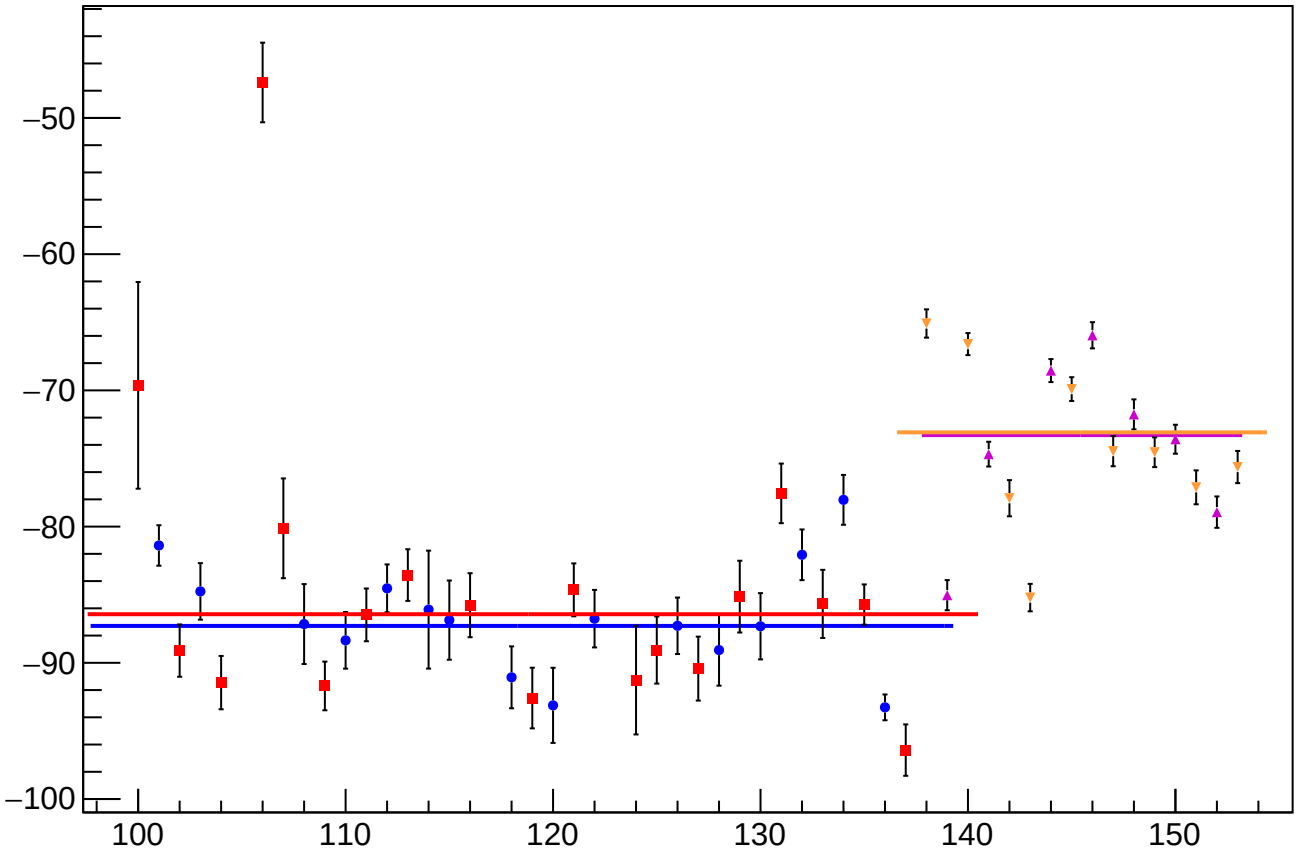
Left: -3.585+/-0.175 χ^2/NDF: 580.2/15

Right: -11.710+/-0.330 χ^2/NDF: 1165.1/34

In: -6.184+/-0.224 χ^2/NDF:1094.6/22

Out: -4.633+/-0.214 χ^2/NDF:1098.6/27

All: -5.374+/-0.155 χ^2/NDF: 2218.2/50



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -73.080+/-0.347 χ^2/NDF:313.0/8

Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

Left In: -73.283+/-0.379 χ^2/NDF:230.6/6

Left: -73.173+/-0.256 χ^2/NDF: 543.7/15

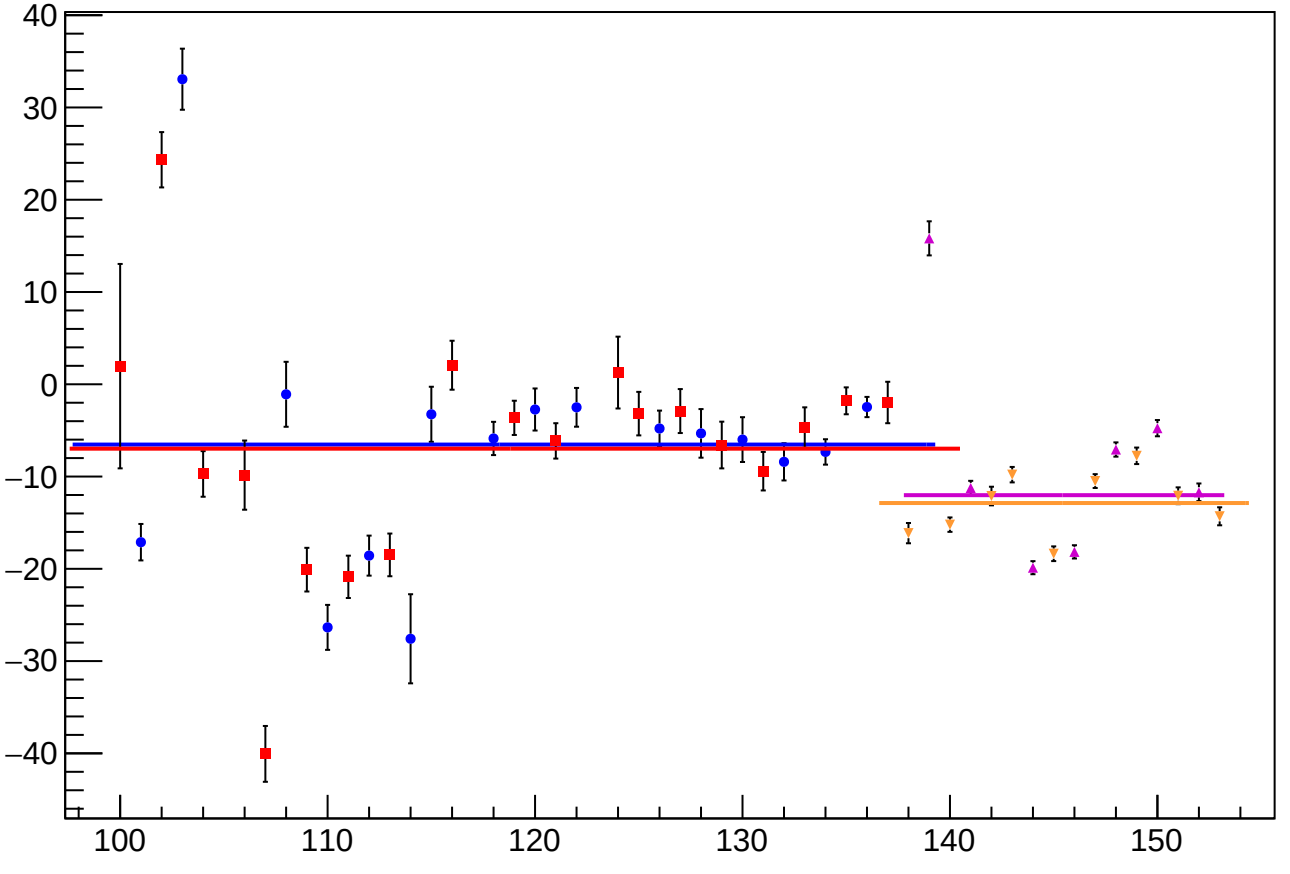
Right: -86.883+/-0.348 χ^2/NDF: 367.6/34

In: -78.650+/-0.297 χ^2/NDF:855.8/22

Out: -77.345+/-0.286 χ^2/NDF:1051.7/27

All: -77.972+/-0.206 χ^2/NDF: 1917.5/50

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -6.535+/-0.508 χ^2/NDF: 313.9/15

Left Out: -12.870+/-0.292 χ^2/NDF:125.1/8

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

Left In: -12.018+/-0.317 χ^2/NDF:532.7/6

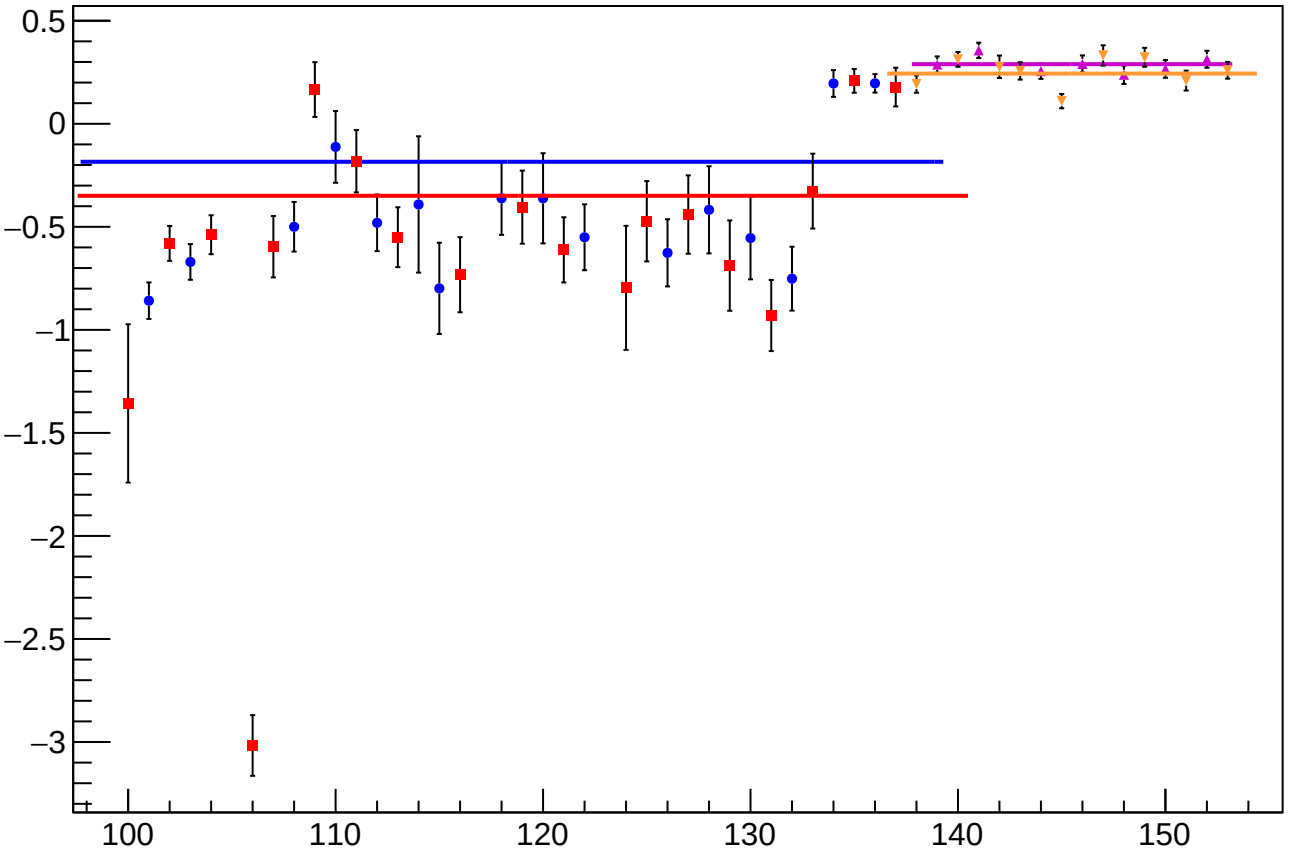
Left: -12.479+/-0.215 χ^2/NDF: 661.7/15

Right: -6.743+/-0.370 χ^2/NDF: 682.6/34

In: -10.483+/-0.269 χ^2/NDF:930.5/22

Out: -11.544+/-0.257 χ^2/NDF:585.1/27

All: -11.037+/-0.186 χ^2/NDF: 1523.8/50



Right In: -0.184+/-0.027 χ^2/NDF: 247.3/15

Left Out: 0.244+/-0.014 χ^2/NDF:27.3/8

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

Left In: 0.289+/-0.015 χ^2/NDF:6.0/6

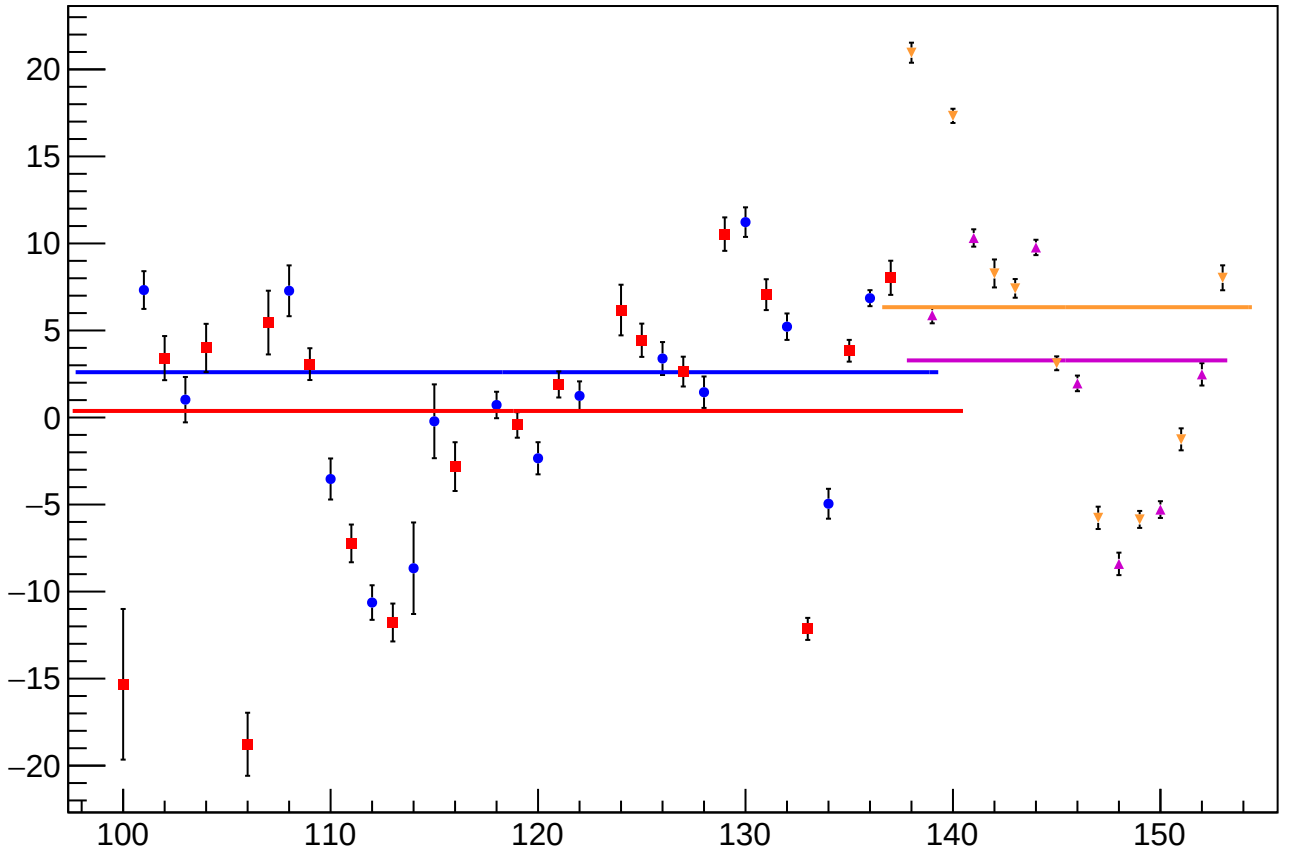
Left: 0.265+/-0.010 χ^2/NDF: 38.0/15

Right: -0.259+/-0.020 χ^2/NDF: 781.1/34

In: 0.173+/-0.013 χ^2/NDF:489.3/22

Out: 0.132+/-0.013 χ^2/NDF:875.6/27

All: 0.151+/-0.009 χ^2/NDF: 1369.9/50



Right In: 2.604+/-0.224 χ^2/NDF: 573.1/15

Left Out: 6.338+/-0.178 χ^2/NDF:2573.0/8

Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 3.281+/-0.189 χ^2/NDF:1102.8/6

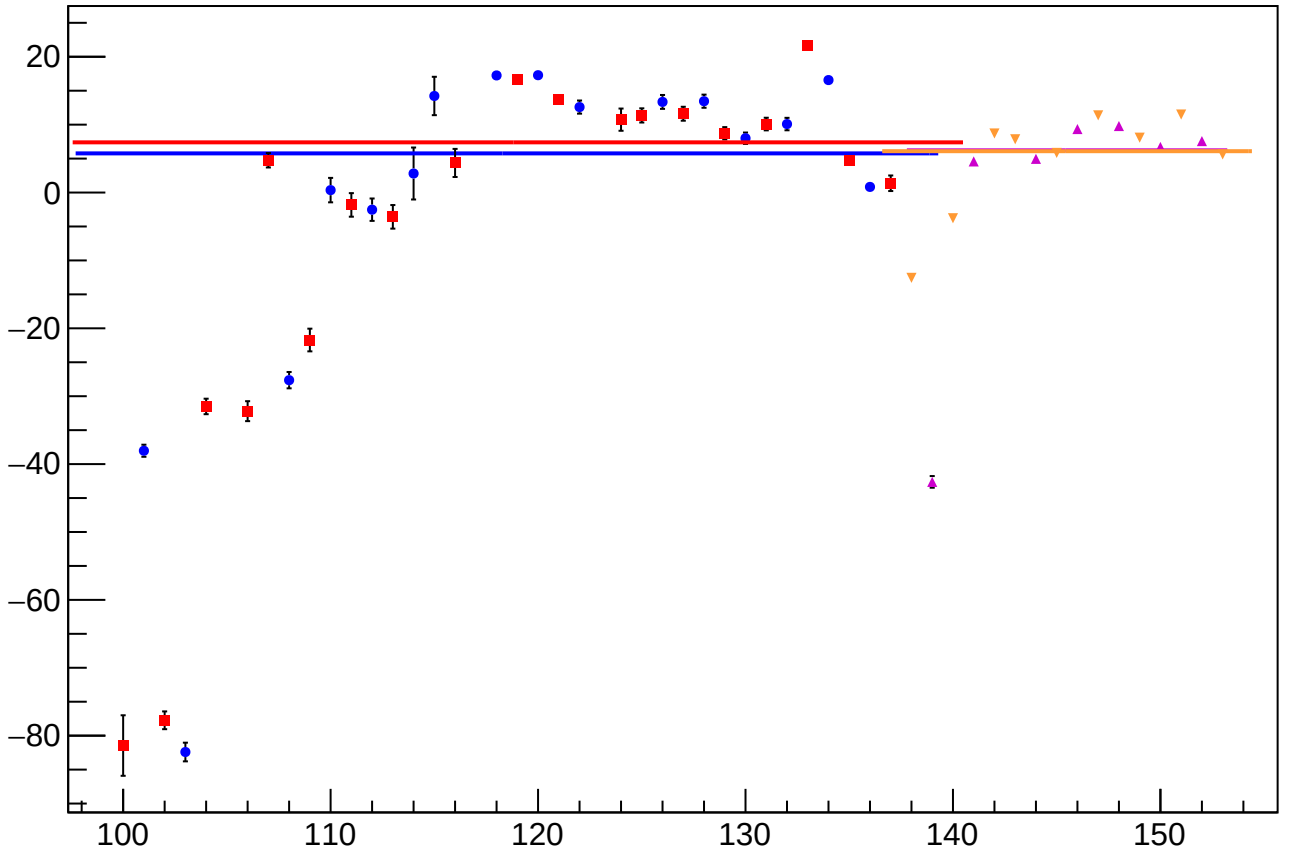
Left: 4.900+/-0.130 χ^2/NDF: 3813.9/15

Right: 1.481+/-0.158 χ^2/NDF: 1653.8/34

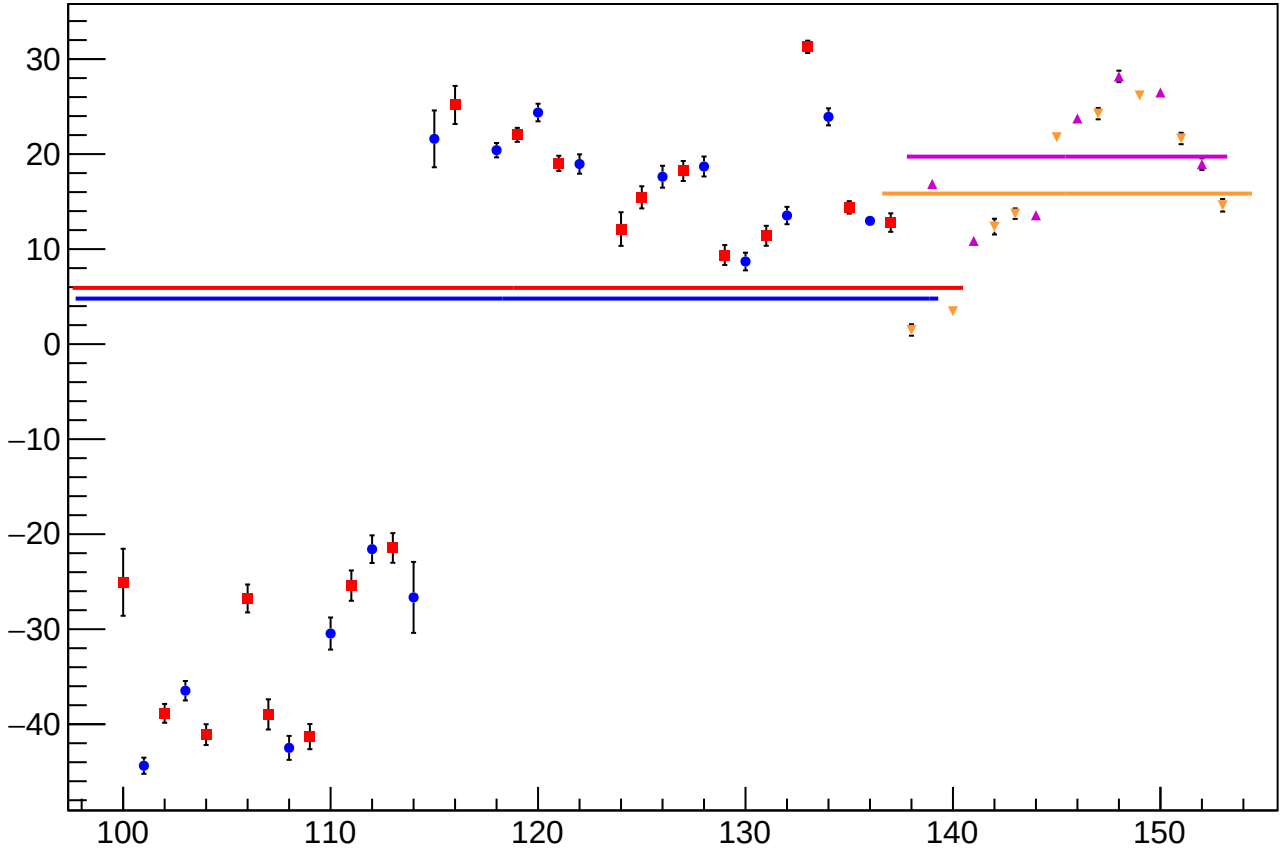
In: 2.999+/-0.145 χ^2/NDF:1681.3/22

Out: 4.002+/-0.139 χ^2/NDF:4041.4/27

All: 3.520+/-0.100 χ^2/NDF: 5747.6/50


reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
100
110
120
130
140
150
Right In: 5.768+/-0.210 χ²/NDF: 8933.8/15
Left Out: 6.091+/-0.125 χ²/NDF:2492.1/8
Right Out: 7.393+/-0.209 χ²/NDF: 8390.6/18
Left In: 6.219+/-0.133 χ²/NDF:3544.7/6
Left: 6.151+/-0.091 χ²/NDF: 6037.3/15
Right: 6.585+/-0.148 χ²/NDF: 17354.6/34
In: 6.090+/-0.112 χ²/NDF:12481.9/22
Out: 6.433+/-0.107 χ²/NDF:10911.3/27
All: 6.270+/-0.077 χ²/NDF: 23398.1/50

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 15.845+/-0.177 χ^2/NDF:2487.7/8

Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 19.735+/-0.187 χ^2/NDF:1029.5/6

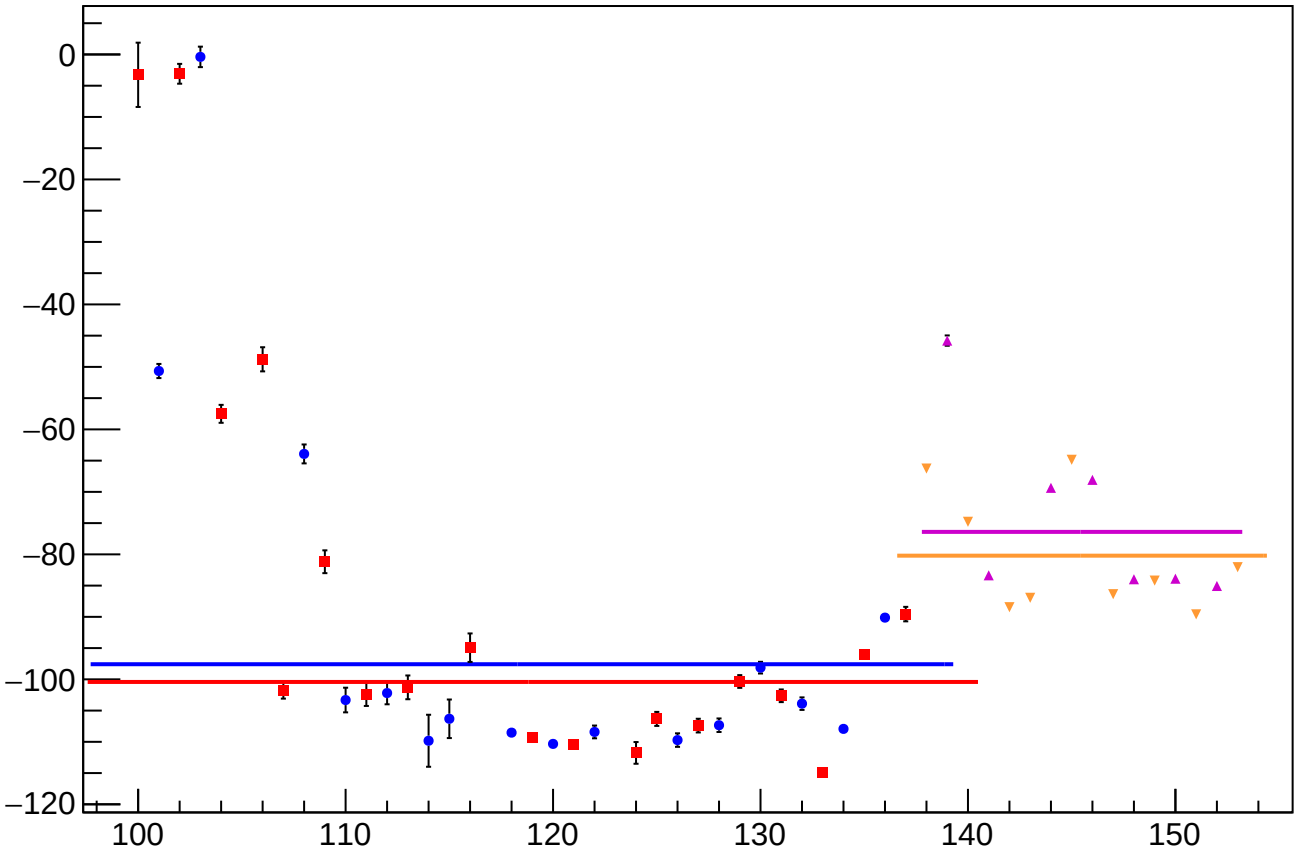
Left: 17.688+/-0.129 χ^2/NDF: 3745.3/15

Right: 5.352+/-0.169 χ^2/NDF: 19567.4/34

In: 14.020+/-0.147 χ^2/NDF:12972.1/22

Out: 12.338+/-0.143 χ^2/NDF:13653.7/27

All: 13.154+/-0.102 χ^2/NDF: 26693.4/50



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -80.209+/-0.151 χ^2/NDF:3443.5/8

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

Left In: -76.403+/-0.161 χ^2/NDF:3578.6/6

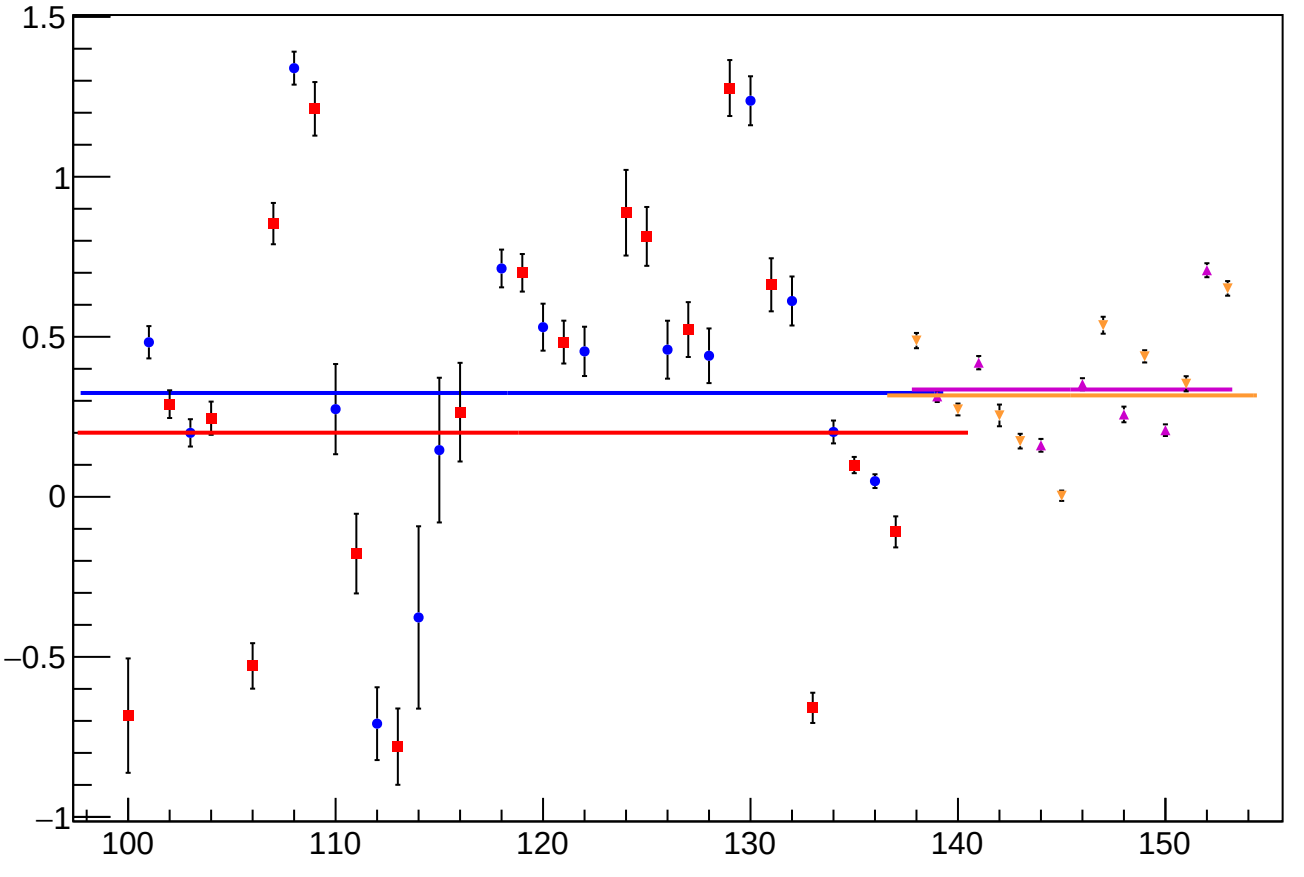
Left: -78.424+/-0.110 χ^2/NDF: 7320.1/15

Right: -99.004+/-0.171 χ^2/NDF: 14329.0/34

In: -82.893+/-0.134 χ^2/NDF:16048.2/22

Out: -85.905+/-0.128 χ^2/NDF:15610.0/27

All: -84.466+/-0.092 χ^2/NDF: 31923.0/50



Right In: 0.324+/-0.013 χ^2/NDF: 886.5/15

Left Out: 0.317+/-0.007 χ^2/NDF:799.9/8

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

Left In: 0.335+/-0.008 χ^2/NDF:443.8/6

Left: 0.326+/-0.005 χ^2/NDF: 1246.8/15

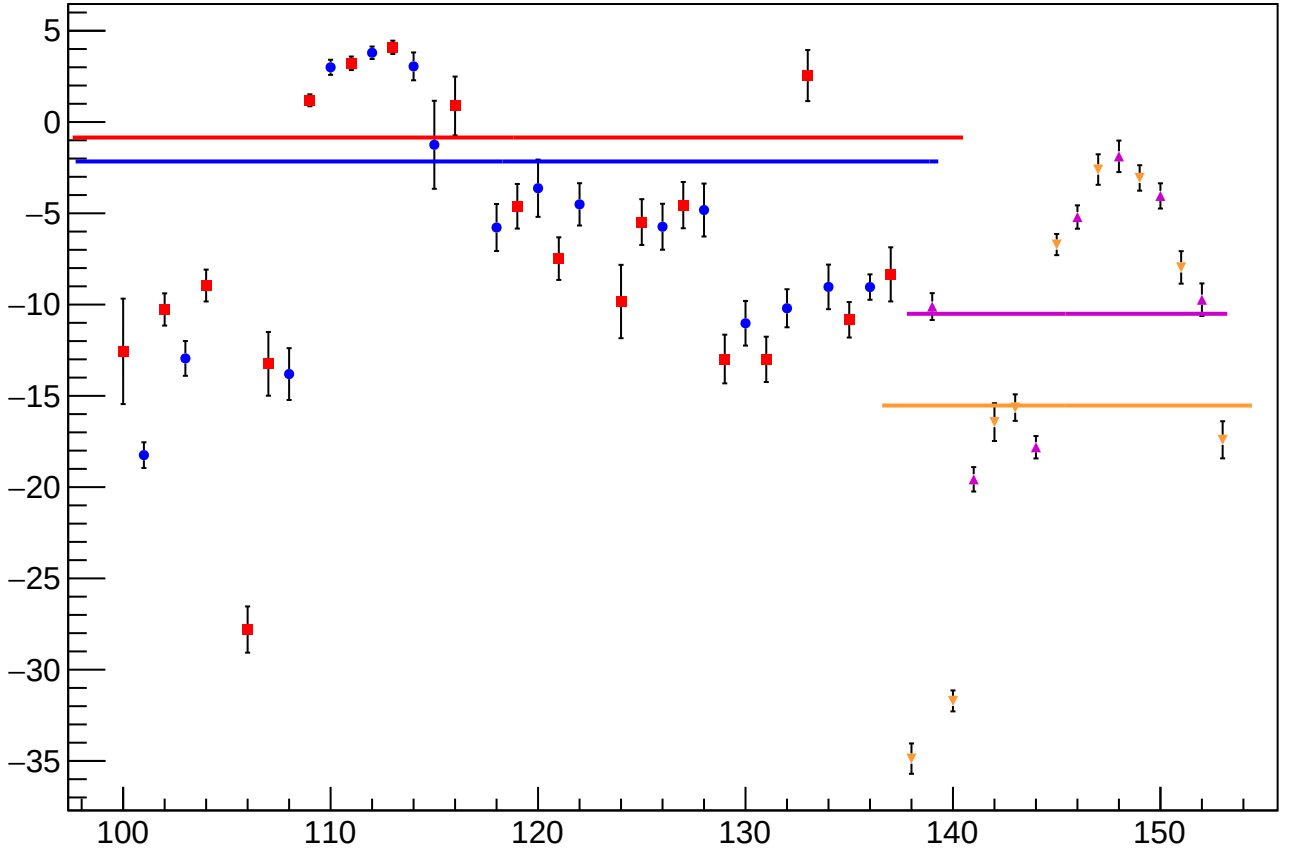
Right: 0.265+/-0.010 χ^2/NDF: 2134.6/34

In: 0.333+/-0.007 χ^2/NDF:1330.8/22

Out: 0.292+/-0.006 χ^2/NDF:2061.8/27

All: 0.312+/-0.005 χ^2/NDF: 3412.4/50

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: -15.529+/-0.250 χ^2/NDF:2201.4/8

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

Left In: -10.505+/-0.268 χ^2/NDF:582.8/6

Left: -13.196+/-0.183 χ^2/NDF: 2971.8/15

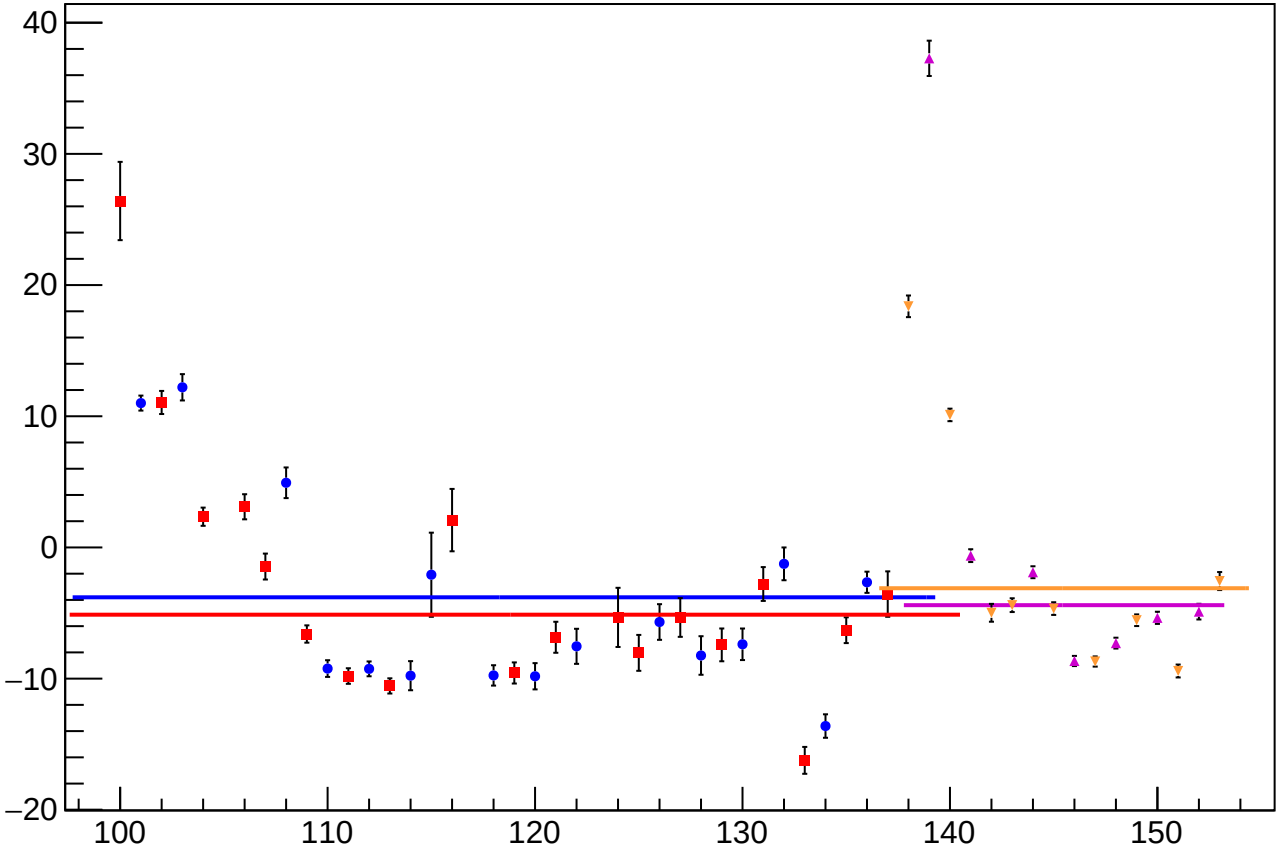
Right: -1.426+/-0.127 χ^2/NDF: 2982.5/34

In: -4.983+/-0.156 χ^2/NDF:2713.1/22

Out: -5.505+/-0.141 χ^2/NDF:6021.5/27

All: -5.271+/-0.105 χ^2/NDF: 8740.8/50

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.800+/-0.226 χ^2/NDF: 1425.5/15

Left Out: -3.108+/-0.172 χ^2/NDF:1867.9/8

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

Left In: -4.400+/-0.184 χ^2/NDF:1223.4/6

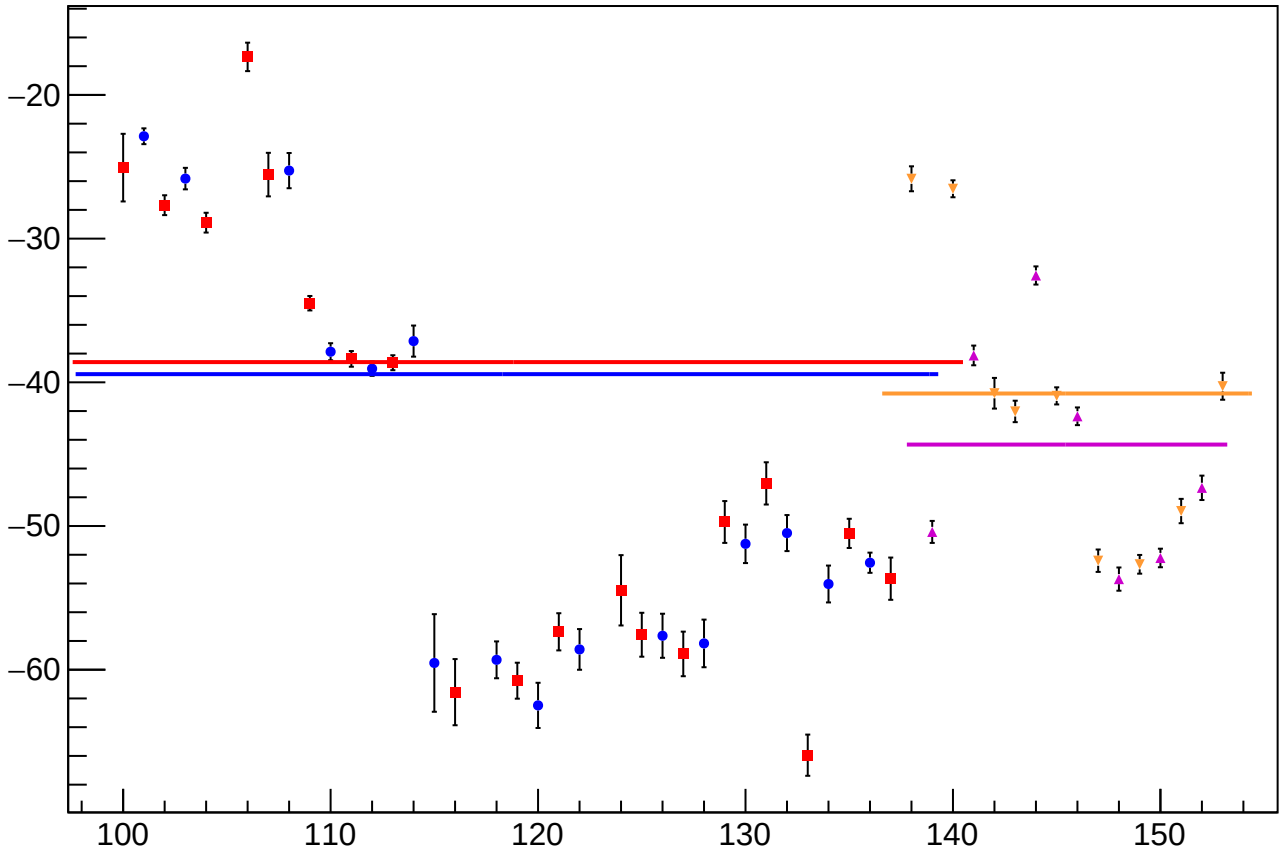
Left: -3.710+/-0.126 χ^2/NDF: 3117.7/15

Right: -4.484+/-0.157 χ^2/NDF: 2423.8/34

In: -4.160+/-0.143 χ^2/NDF:2653.2/22

Out: -3.879+/-0.135 χ^2/NDF:2901.1/27

All: -4.012+/-0.098 χ^2/NDF: 5556.3/50



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -40.778+/-0.248 χ^2/NDF:1530.4/8

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

Left In: -44.332+/-0.265 χ^2/NDF:797.5/6

Left: -42.443+/-0.181 χ^2/NDF: 2423.8/15

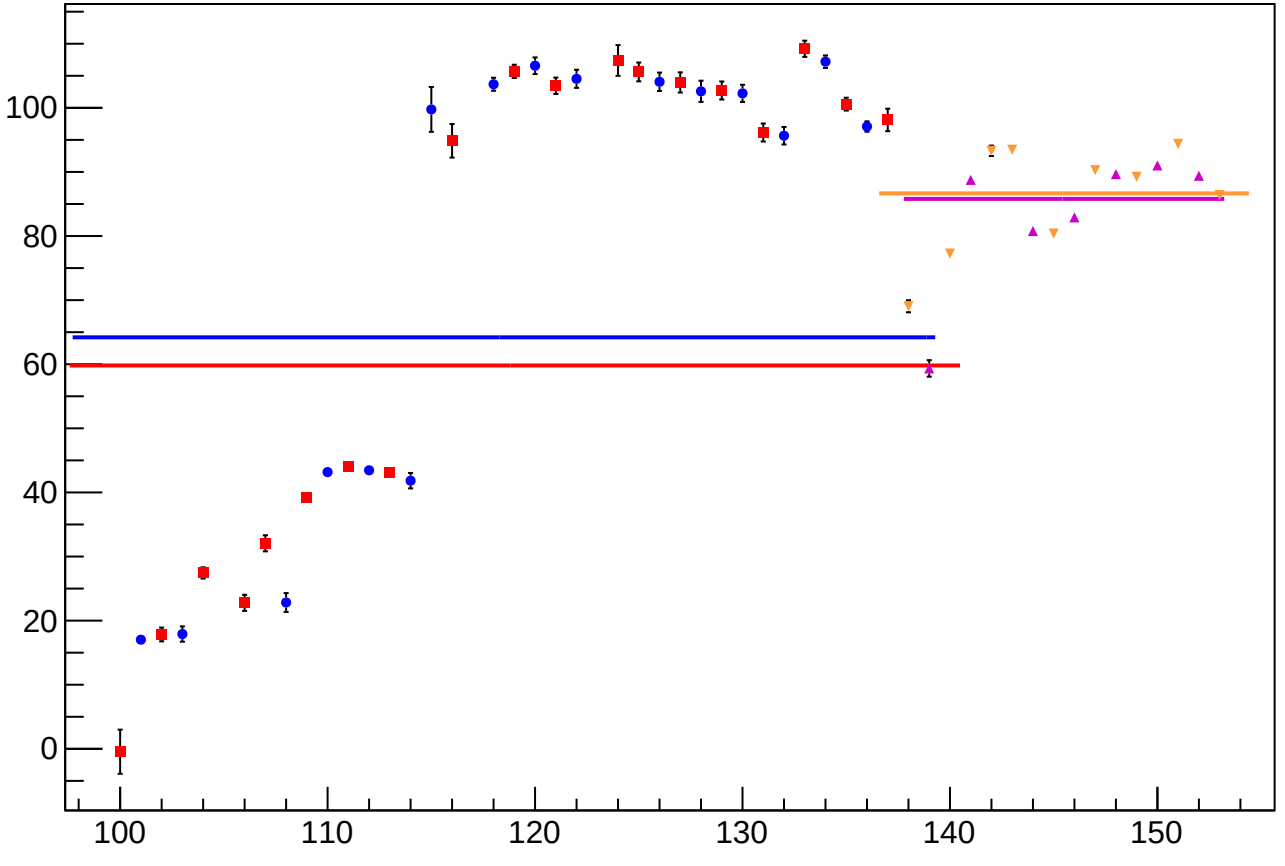
Right: -38.987+/-0.155 χ^2/NDF: 5737.6/34

In: -41.493+/-0.172 χ^2/NDF:3954.4/22

Out: -39.517+/-0.161 χ^2/NDF:4347.3/27

All: -40.445+/-0.118 χ^2/NDF: 8372.0/50

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 86.650+/-0.209 χ^2/NDF:1153.6/8

Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 85.796+/-0.224 χ^2/NDF:736.5/6

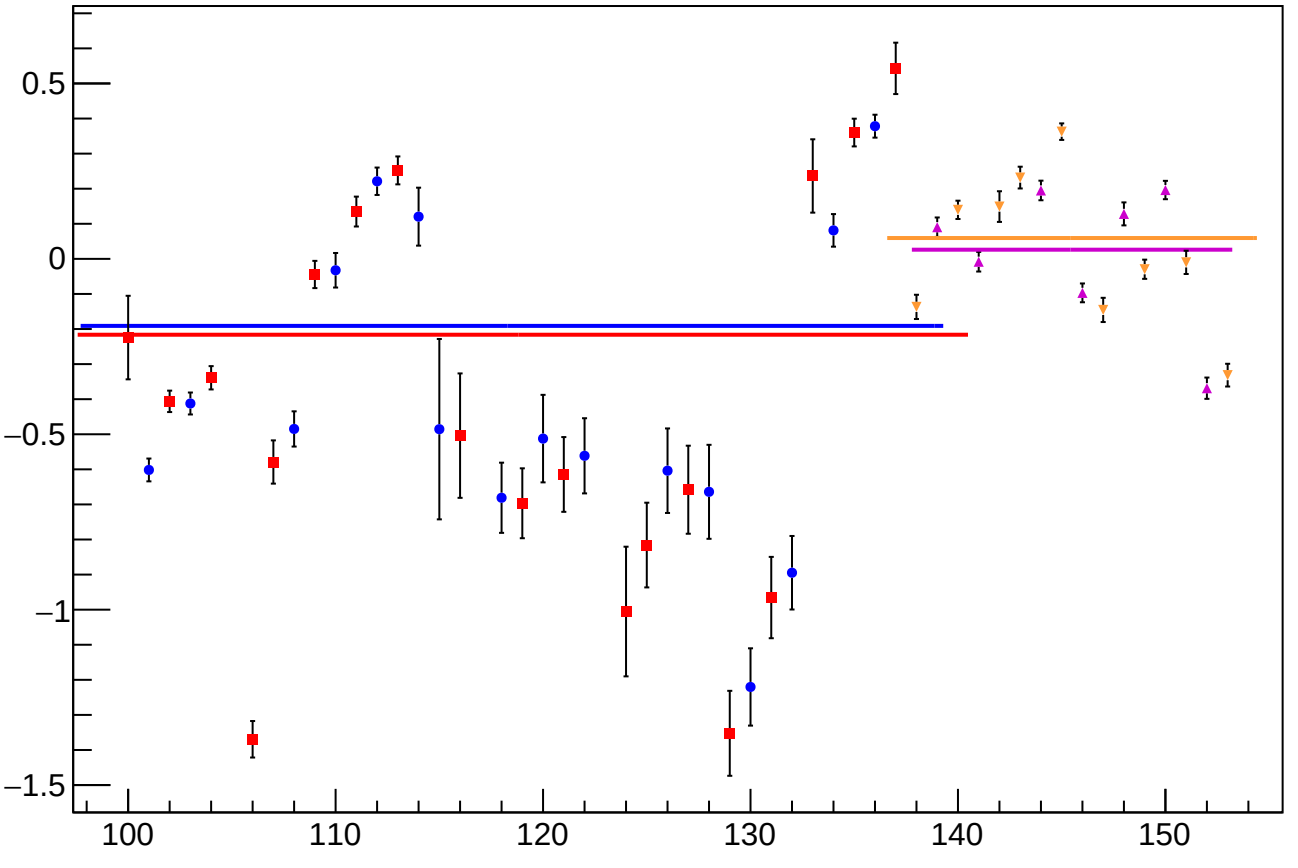
Left: 86.251+/-0.153 χ^2/NDF: 1897.8/15

Right: 61.924+/-0.179 χ^2/NDF: 36178.0/34

In: 76.503+/-0.169 χ^2/NDF:23342.1/22

Out: 75.512+/-0.160 χ^2/NDF:25399.9/27

All: 75.981+/-0.116 χ^2/NDF: 48760.2/50



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: 0.059+/-0.010 χ^2/NDF:438.1/8

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

Left In: 0.026+/-0.011 χ^2/NDF:285.6/6

Left: 0.044+/-0.007 χ^2/NDF: 728.7/15

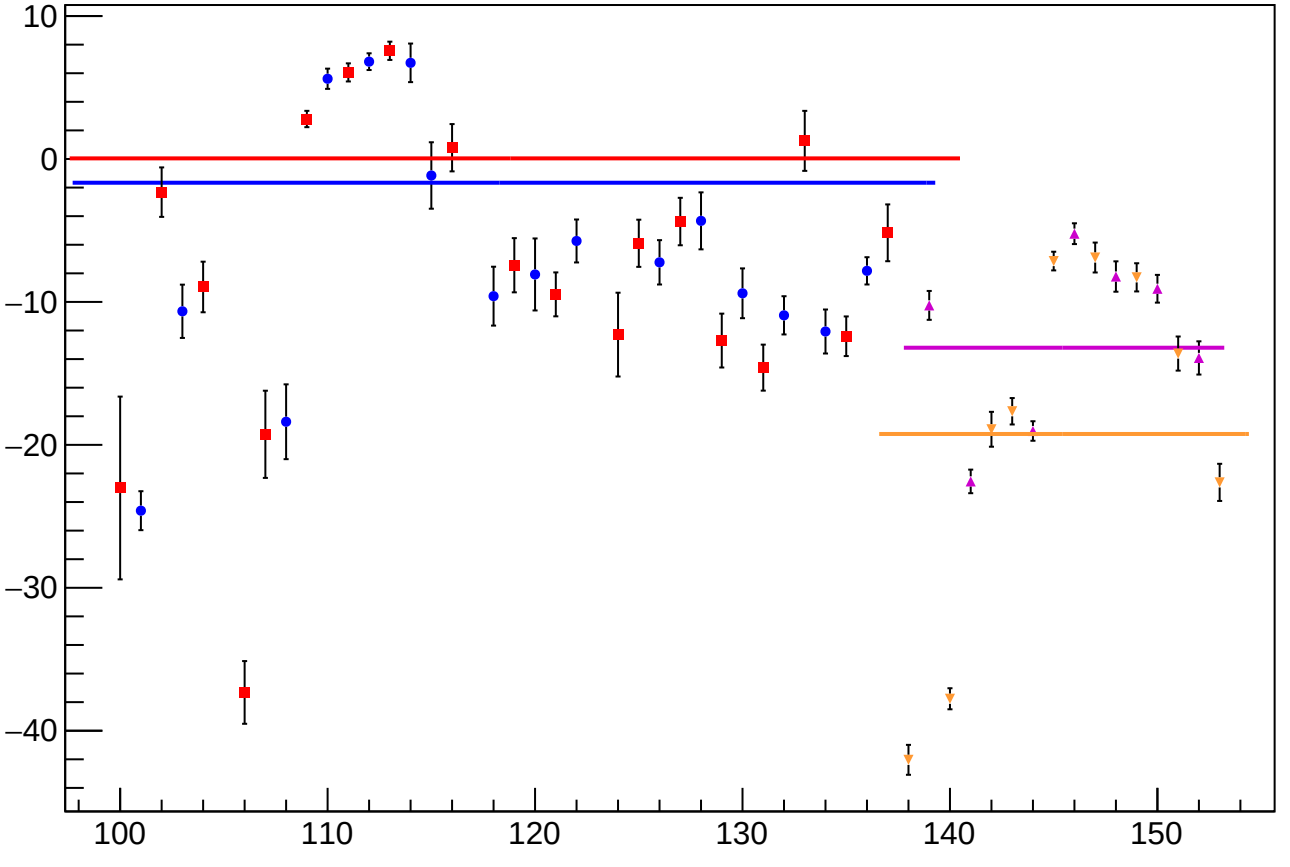
Right: -0.204+/-0.009 χ^2/NDF: 2288.3/34

In: -0.058+/-0.008 χ^2/NDF:1363.8/22

Out: -0.046+/-0.008 χ^2/NDF:2087.1/27

All: -0.052+/-0.006 χ^2/NDF: 3452.1/50

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: -19.238+/-0.313 χ^2/NDF:1744.4/8

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

Left In: -13.204+/-0.330 χ^2/NDF:370.6/6

Left: -16.379+/-0.227 χ^2/NDF: 2290.6/15

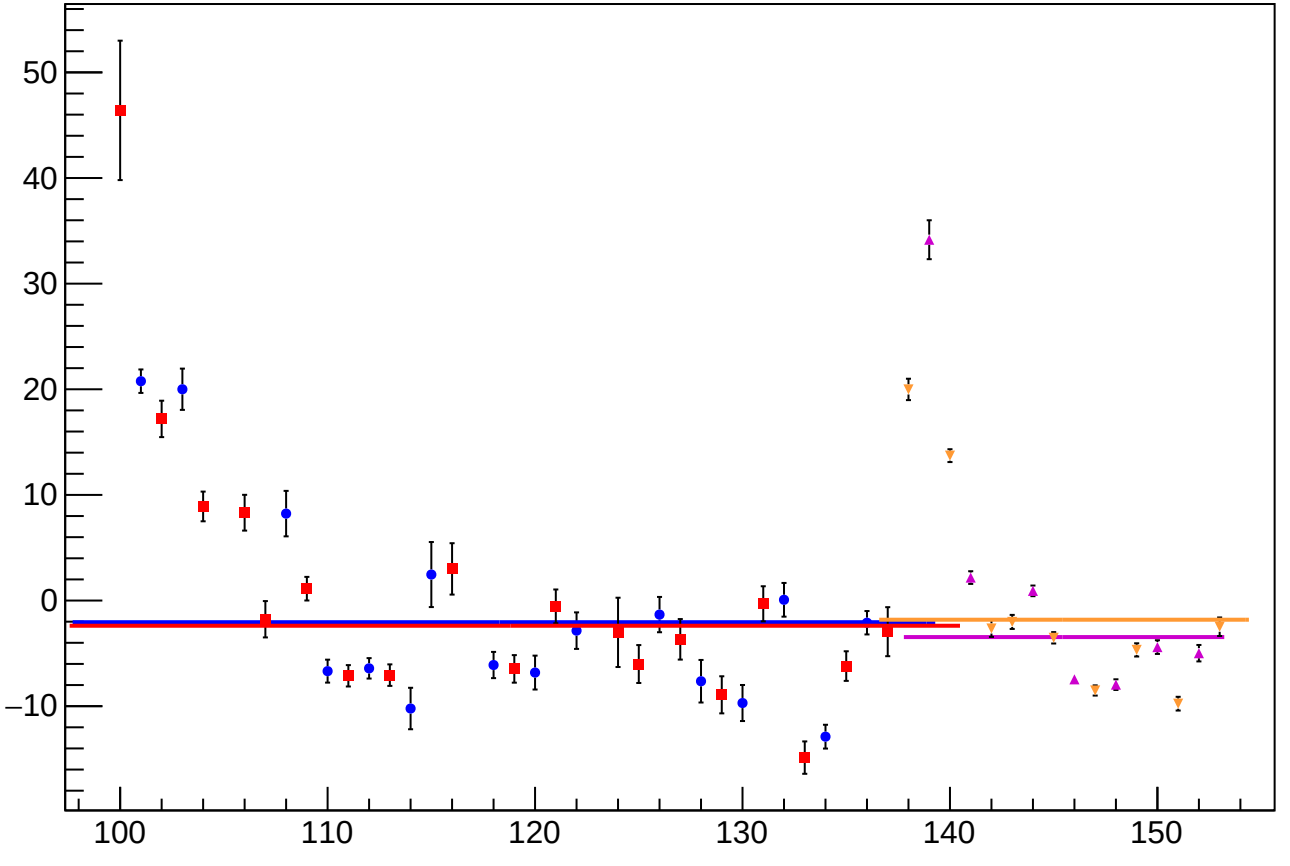
Right: -0.734+/-0.208 χ^2/NDF: 1848.1/34

In: -7.032+/-0.225 χ^2/NDF:1924.2/22

Out: -8.580+/-0.210 χ^2/NDF:4767.3/27

All: -7.862+/-0.153 χ^2/NDF: 6716.8/50

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: -1.815+/-0.216 χ^2/NDF:1491.5/8

Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

Left In: -3.458+/-0.222 χ^2/NDF:751.9/6

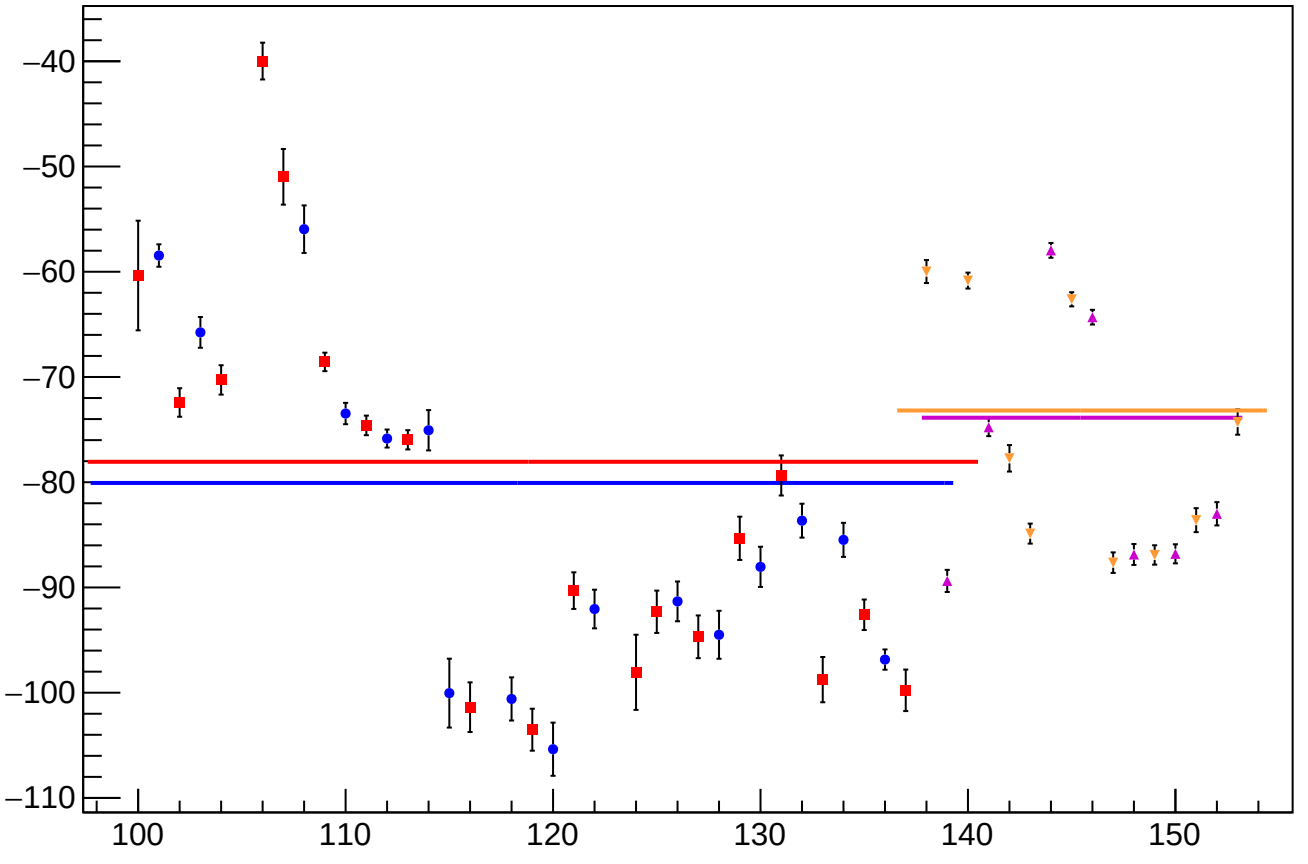
Left: -2.614+/-0.155 χ^2/NDF: 2271.6/15

Right: -2.218+/-0.252 χ^2/NDF: 1223.3/34

In: -3.064+/-0.188 χ^2/NDF:1535.0/22

Out: -1.969+/-0.185 χ^2/NDF:1944.4/27

All: -2.506+/-0.132 χ^2/NDF: 3496.7/50



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -73.184+/-0.313 χ^2/NDF:1350.0/8

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

Left In: -73.871+/-0.326 χ^2/NDF:1357.7/6

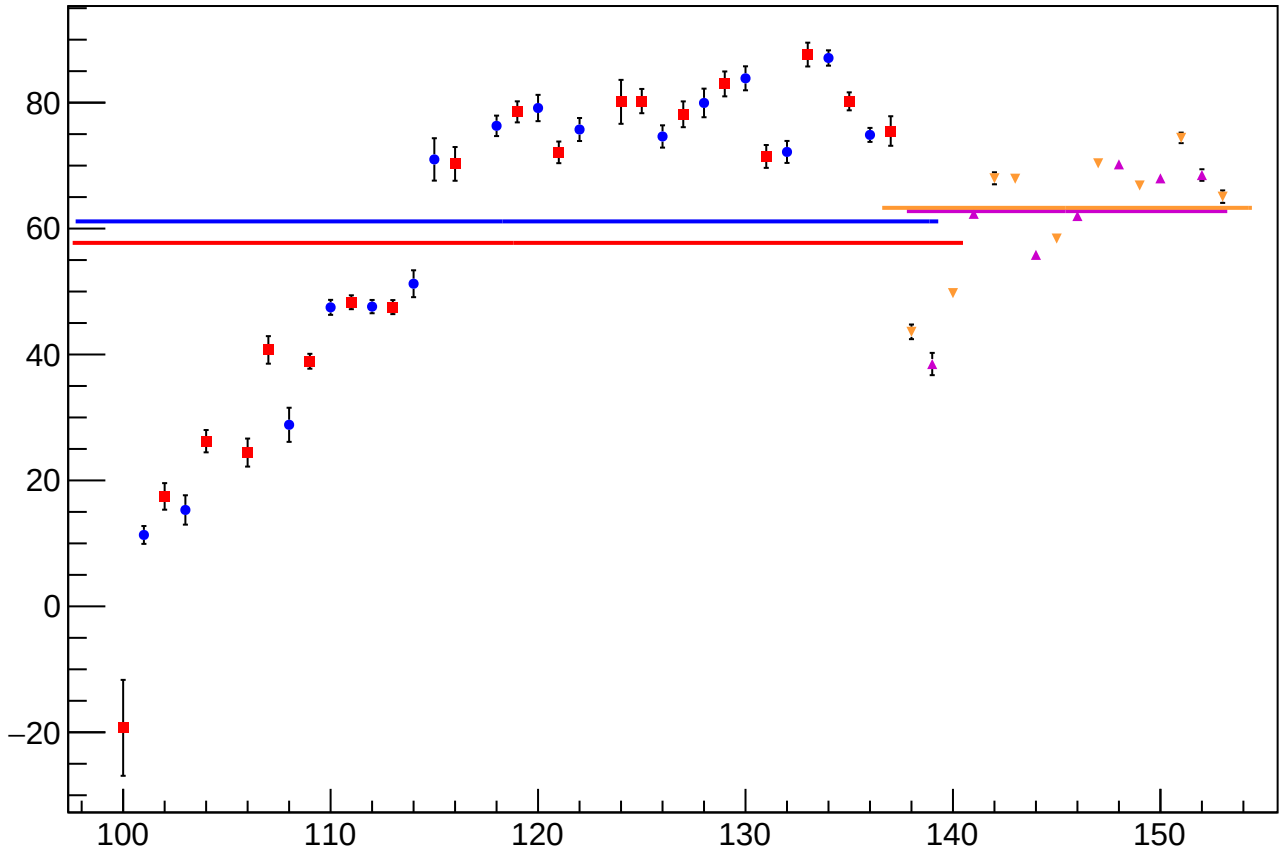
Left: -73.513+/-0.226 χ^2/NDF: 2710.0/15

Right: -79.033+/-0.254 χ^2/NDF: 2964.1/34

In: -76.627+/-0.243 χ^2/NDF:2905.5/22

Out: -75.323+/-0.234 χ^2/NDF:3017.9/27

All: -75.951+/-0.169 χ^2/NDF: 5938.4/50



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 63.292+/-0.263 χ^2/NDF:1066.3/8

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

Left In: 62.770+/-0.272 χ^2/NDF:528.7/6

Left: 63.039+/-0.189 χ^2/NDF: 1596.9/15

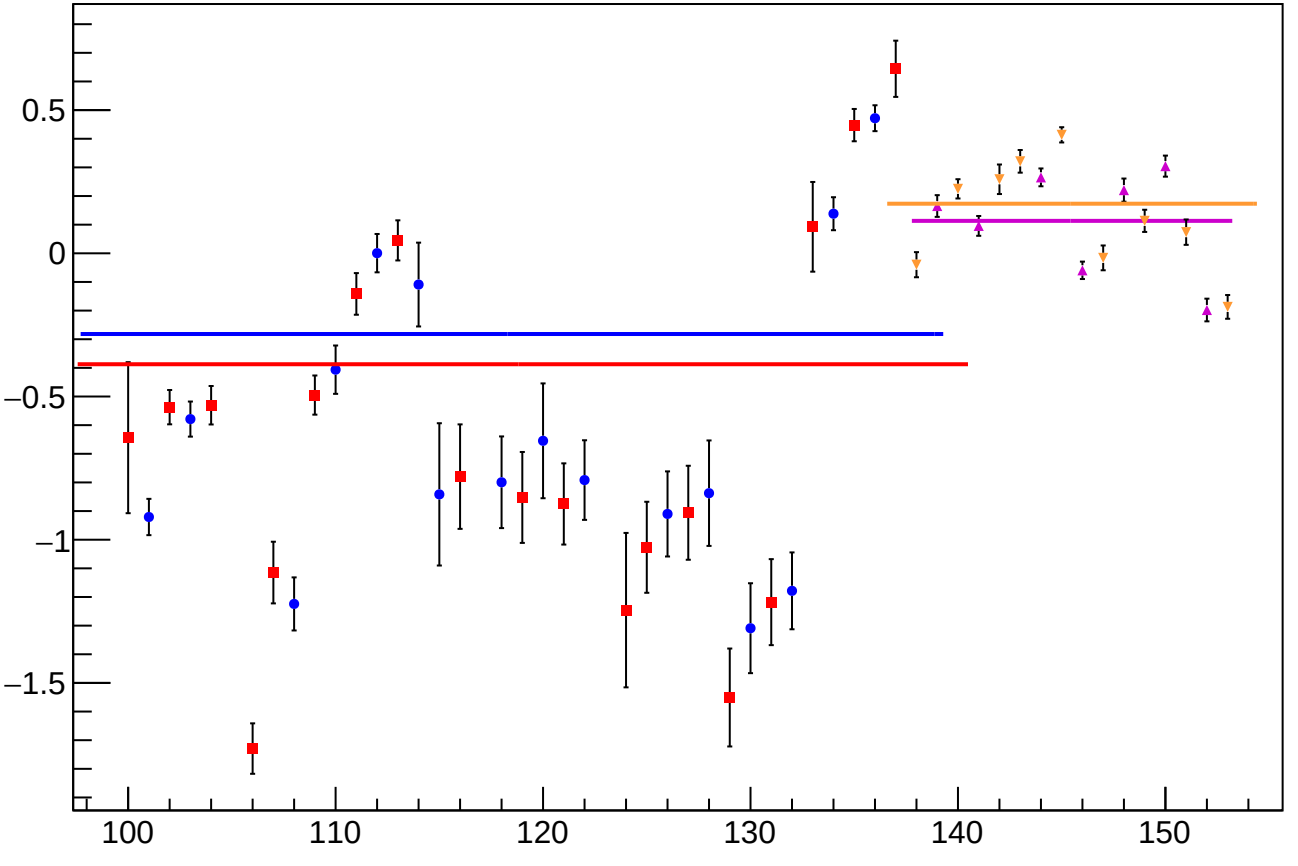
Right: 59.431+/-0.283 χ^2/NDF: 6041.2/34

In: 62.256+/-0.225 χ^2/NDF:3769.4/22

Out: 61.610+/-0.220 χ^2/NDF:3976.9/27

All: 61.926+/-0.157 χ^2/NDF: 7750.4/50

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: 0.173+/-0.013 χ^2/NDF:226.4/8

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

Left In: 0.113+/-0.013 χ^2/NDF:154.1/6

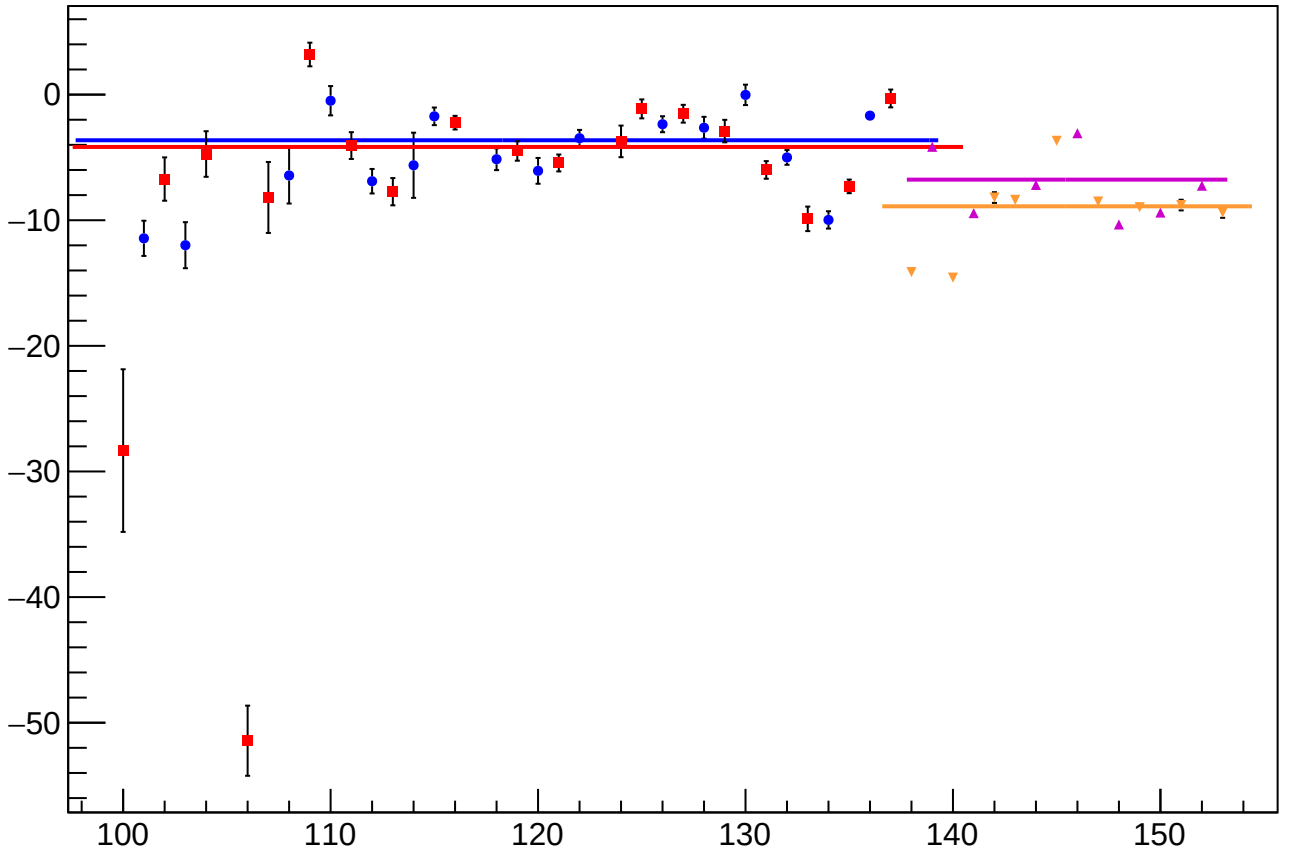
Left: 0.144+/-0.009 χ^2/NDF: 391.0/15

Right: -0.334+/-0.015 χ^2/NDF: 1558.7/34

In: 0.005+/-0.011 χ^2/NDF:1124.1/22

Out: 0.031+/-0.011 χ^2/NDF:1533.6/27

All: 0.018+/-0.008 χ^2/NDF: 2660.5/50



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -8.893+/-0.108 χ^2/NDF:1268.4/8

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

Left In: -6.769+/-0.113 χ^2/NDF:545.8/6

Left: -7.872+/-0.078 χ^2/NDF: 1998.9/15

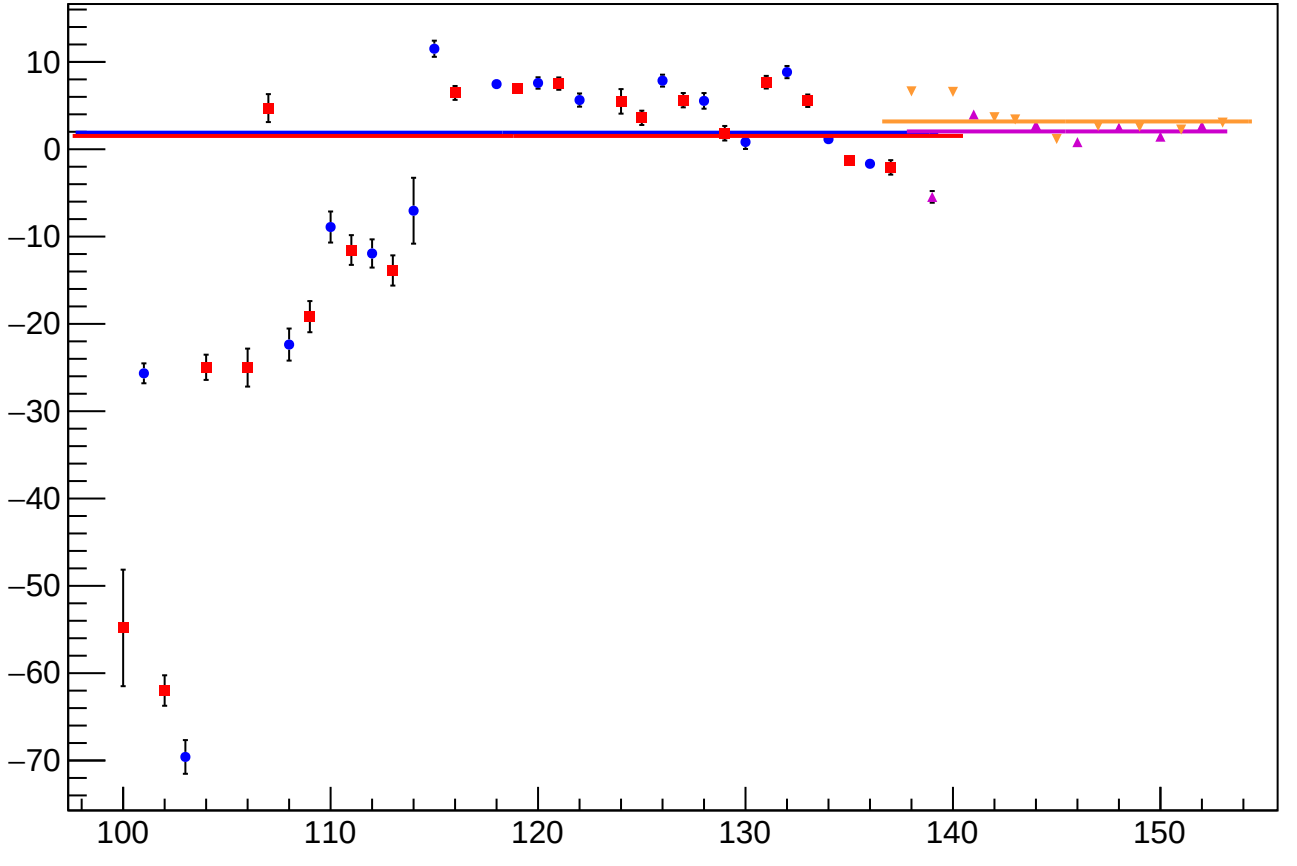
Right: -3.886+/-0.137 χ^2/NDF: 768.2/34

In: -5.947+/-0.097 χ^2/NDF:983.5/22

Out: -7.816+/-0.095 χ^2/NDF:2231.6/27

All: -6.896+/-0.068 χ^2/NDF: 3404.5/50

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: 3.183+/-0.075 χ^2/NDF:506.9/8

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

Left In: 2.041+/-0.075 χ^2/NDF:323.5/6

Left: 2.613+/-0.053 χ^2/NDF: 945.7/15

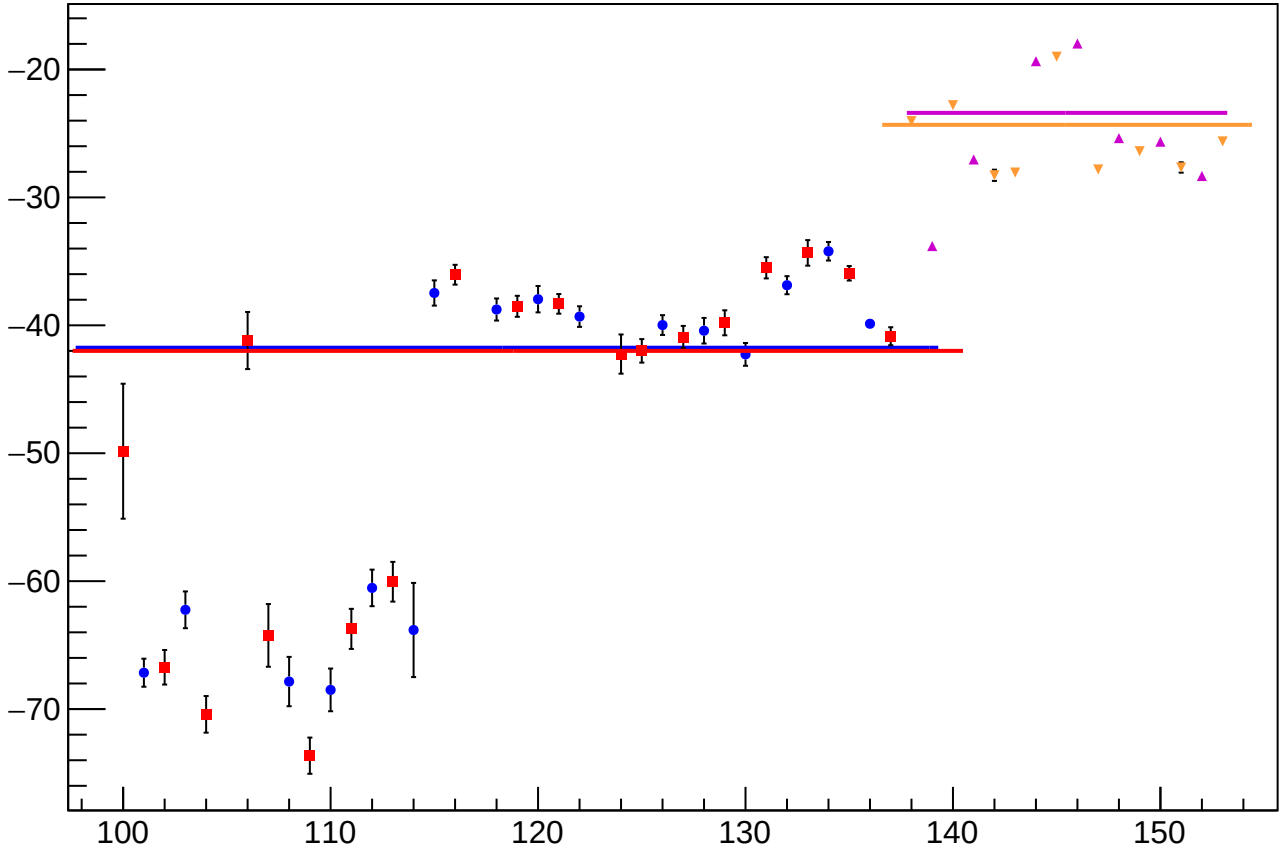
Right: 1.730+/-0.140 χ^2/NDF: 5399.7/34

In: 2.021+/-0.070 χ^2/NDF:3162.2/22

Out: 2.992+/-0.071 χ^2/NDF:3122.7/27

All: 2.502+/-0.050 χ^2/NDF: 6380.2/50

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -24.327+/-0.108 χ^2/NDF:1039.5/8

Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

Left In: -23.391+/-0.111 χ^2/NDF:2026.3/6

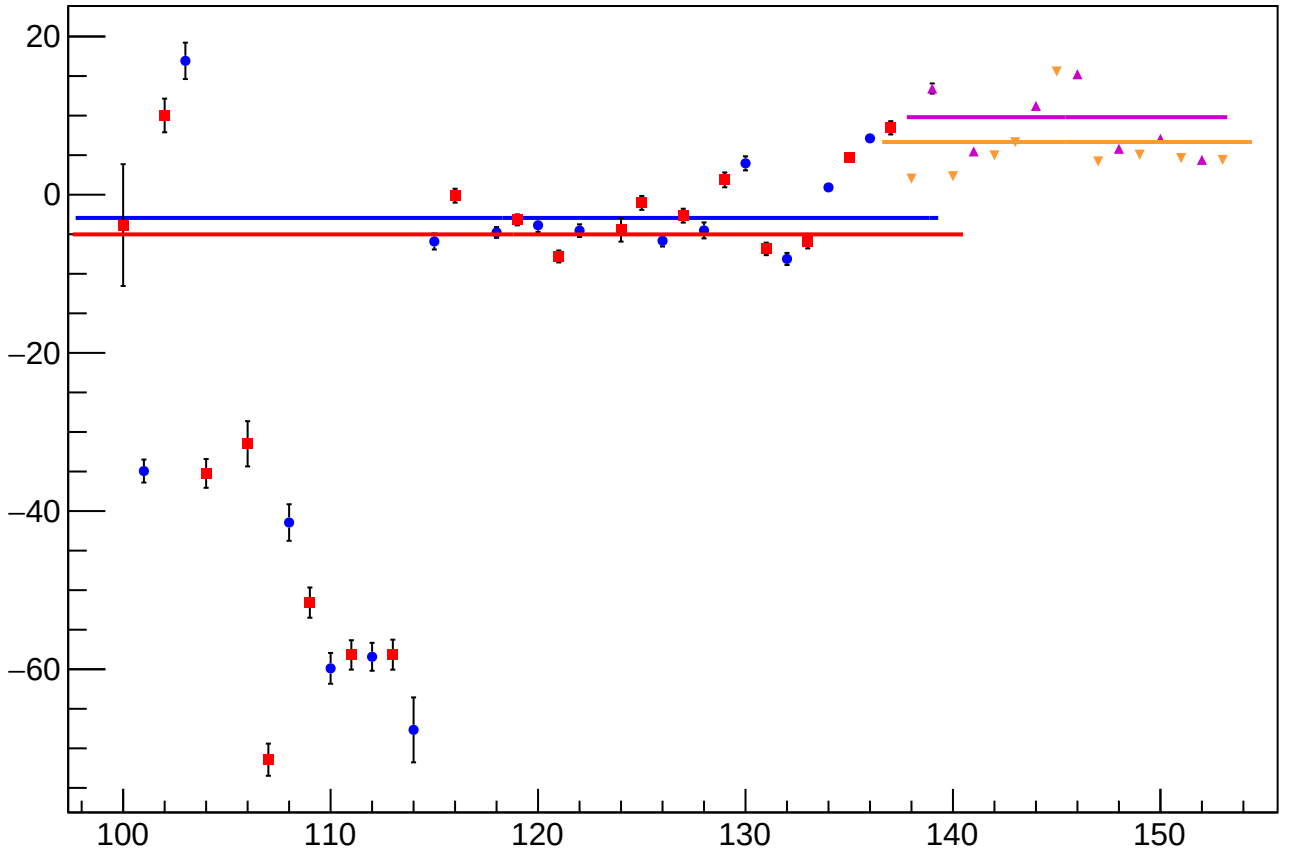
Left: -23.872+/-0.078 χ^2/NDF: 3102.1/15

Right: -41.863+/-0.154 χ^2/NDF: 3619.8/34

In: -27.484+/-0.098 χ^2/NDF:9736.5/22

Out: -27.574+/-0.098 χ^2/NDF:7916.9/27

All: -27.529+/-0.069 χ^2/NDF: 17653.9/50



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 6.664+/-0.091 χ^2/NDF:2603.1/8

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

Left In: 9.801+/-0.092 χ^2/NDF:2028.7/6

Left: 8.219+/-0.065 χ^2/NDF: 5215.6/15

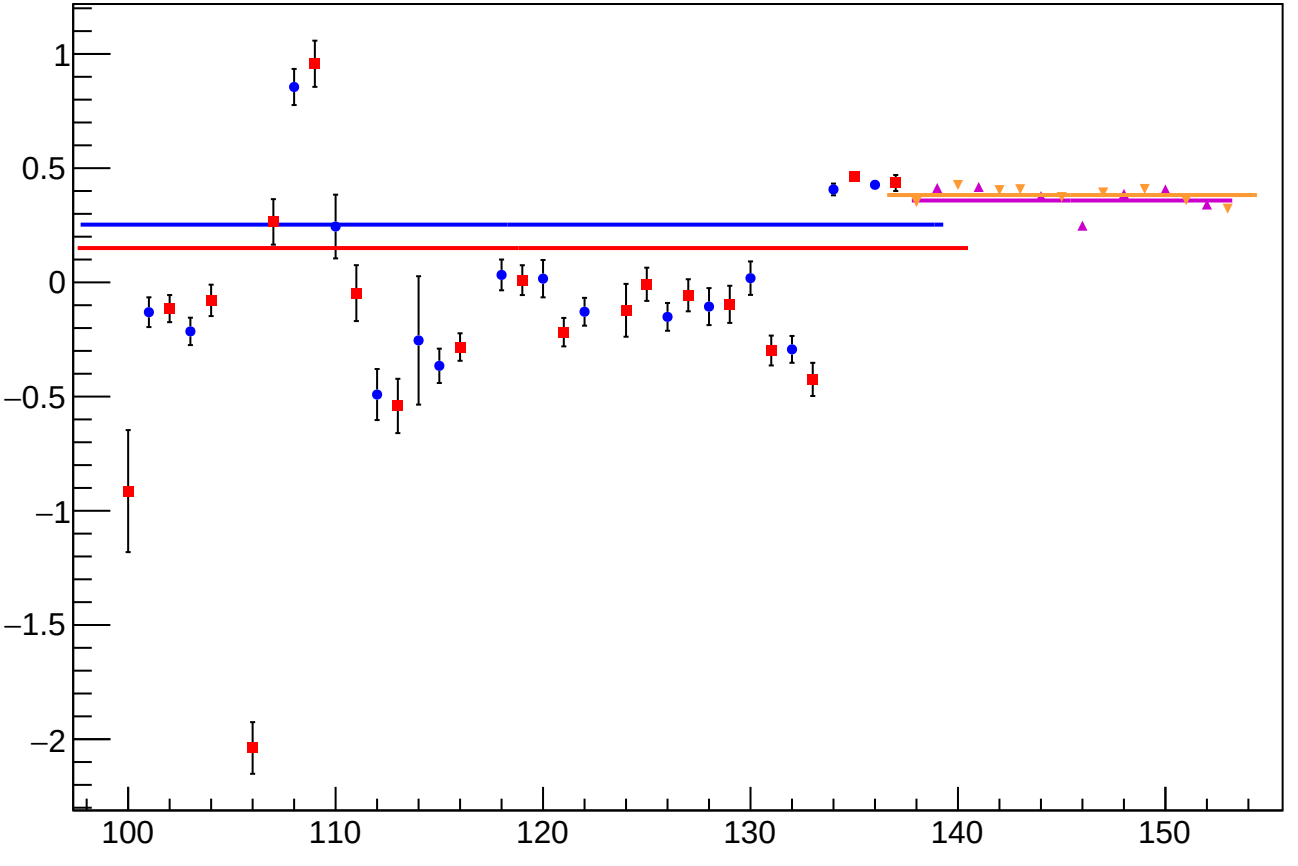
Right: -3.873+/-0.155 χ^2/NDF: 8147.2/34

In: 7.736+/-0.084 χ^2/NDF:8846.9/22

Out: 5.092+/-0.085 χ^2/NDF:9178.3/27

All: 6.423+/-0.060 χ^2/NDF: 18512.2/50

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: 0.382+/-0.004 χ^2/NDF:48.9/8

Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

Left In: 0.358+/-0.005 χ^2/NDF:192.0/6

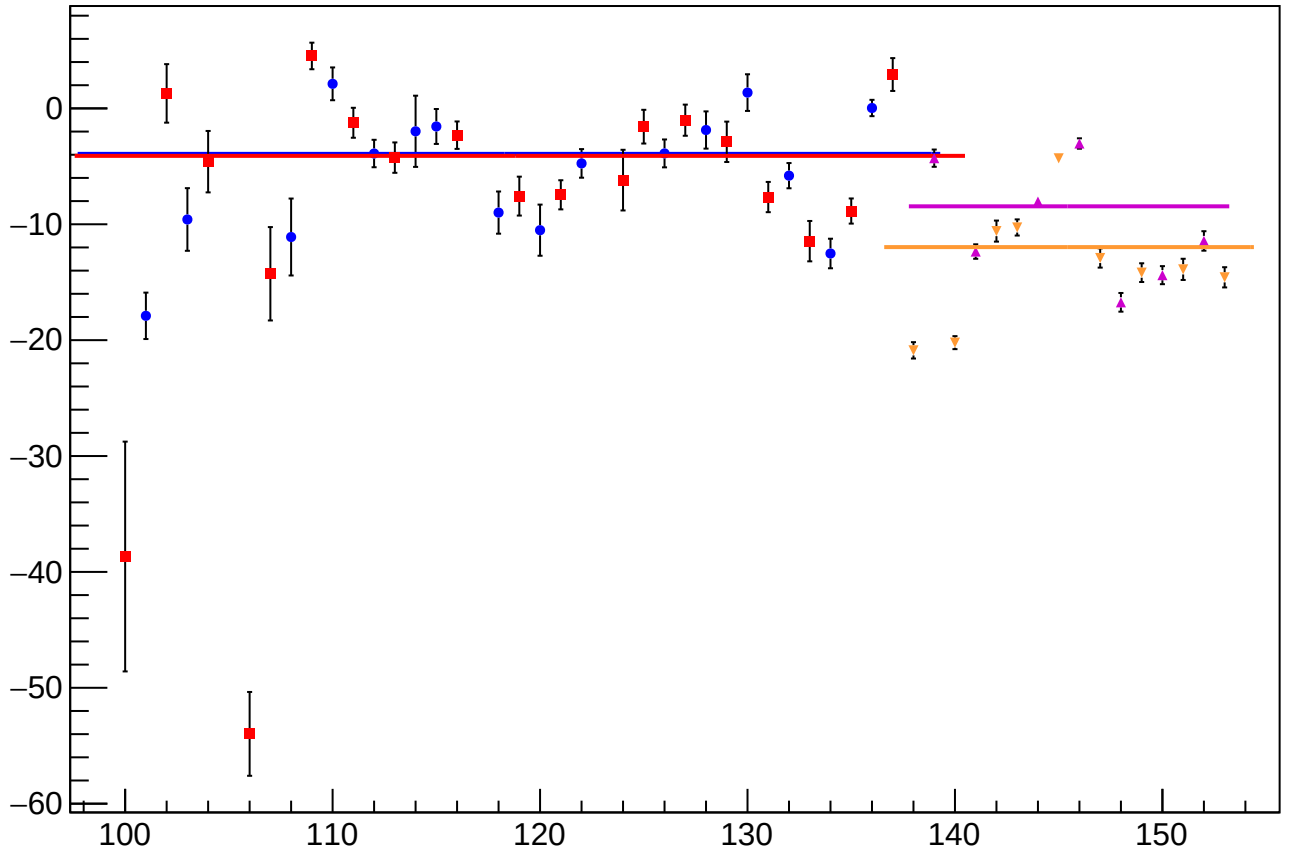
Left: 0.371+/-0.003 χ^2/NDF: 255.2/15

Right: 0.209+/-0.009 χ^2/NDF: 1682.8/34

In: 0.344+/-0.004 χ^2/NDF:896.0/22

Out: 0.360+/-0.004 χ^2/NDF:1339.3/27

All: 0.352+/-0.003 χ^2/NDF: 2242.1/50



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -11.970+/-0.221 χ^2/NDF:784.0/8

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

Left In: -8.451+/-0.227 χ^2/NDF:394.3/6

Left: -10.257+/-0.159 χ^2/NDF: 1301.2/15

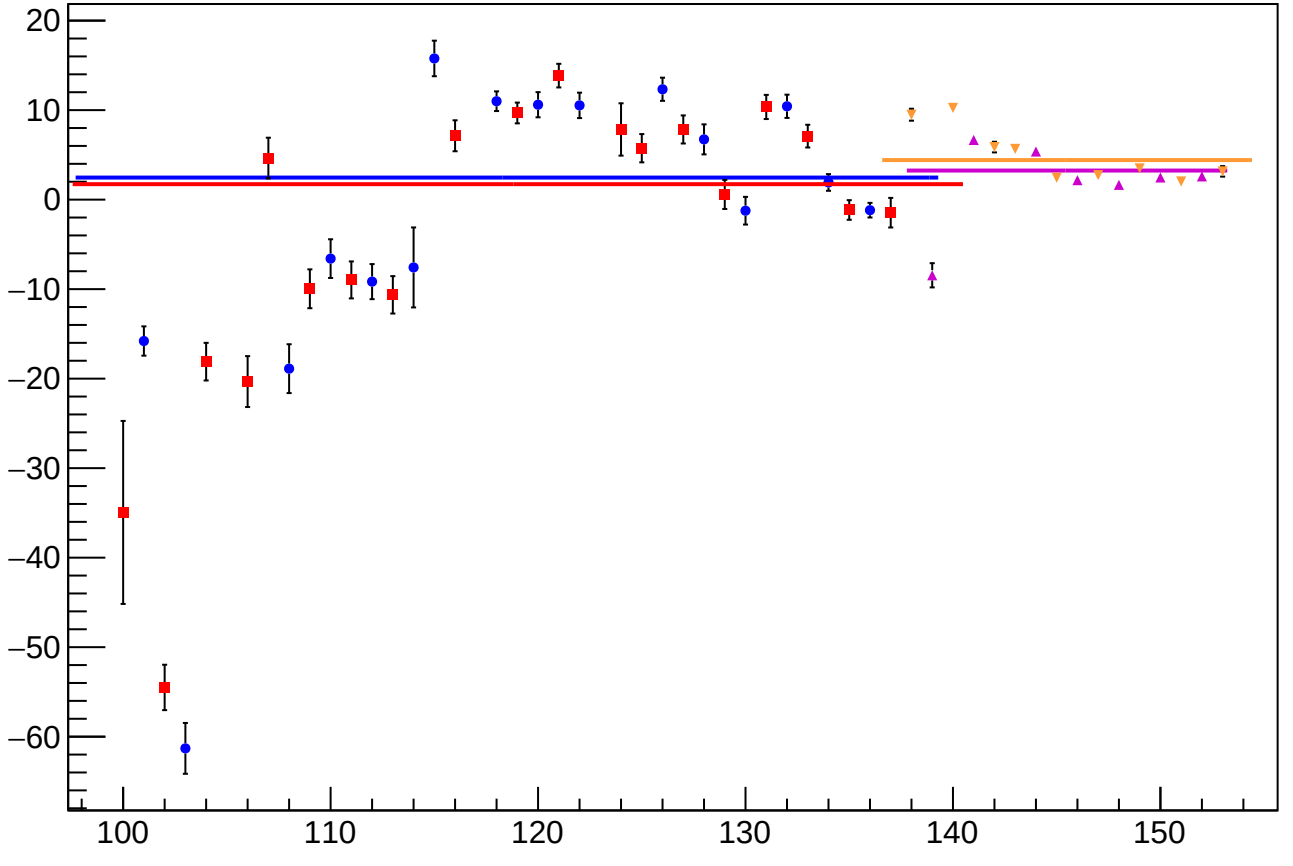
Right: -4.007+/-0.248 χ^2/NDF: 555.8/34

In: -7.086+/-0.190 χ^2/NDF:702.7/22

Out: -9.781+/-0.188 χ^2/NDF:1502.4/27

All: -8.447+/-0.134 χ^2/NDF: 2306.6/50

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: 4.420+/-0.156 χ^2/NDF:318.2/8

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

Left In: 3.249+/-0.152 χ^2/NDF:214.2/6

Left: 3.818+/-0.109 χ^2/NDF: 561.4/15

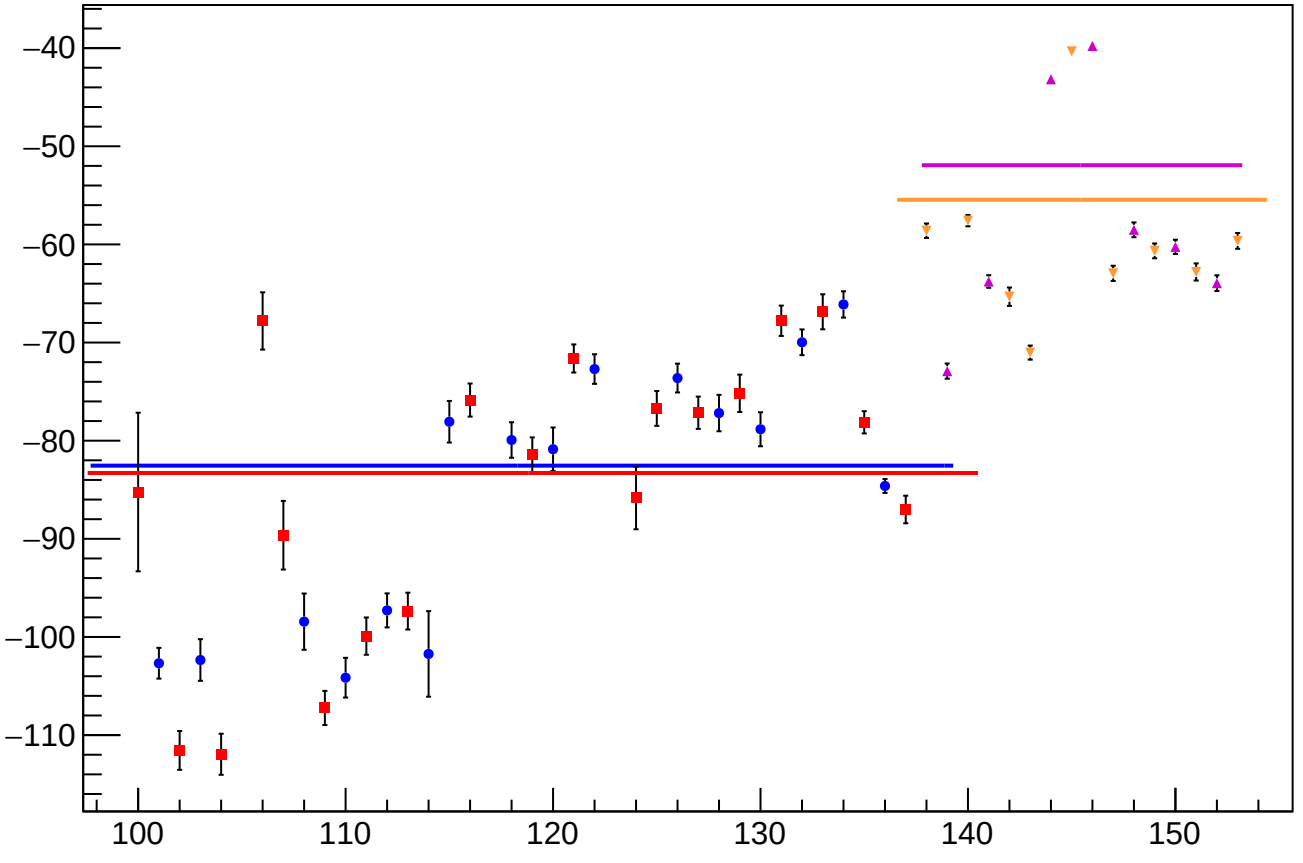
Right: 2.126+/-0.262 χ^2/NDF: 2031.8/34

In: 3.129+/-0.140 χ^2/NDF:1265.0/22

Out: 4.043+/-0.144 χ^2/NDF:1343.1/27

All: 3.570+/-0.100 χ^2/NDF: 2628.9/50

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: -55.453+/-0.222 χ^2/NDF:2238.4/8

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

Left In: -51.932+/-0.225 χ^2/NDF:2690.8/6

Left: -53.715+/-0.158 χ^2/NDF: 5053.3/15

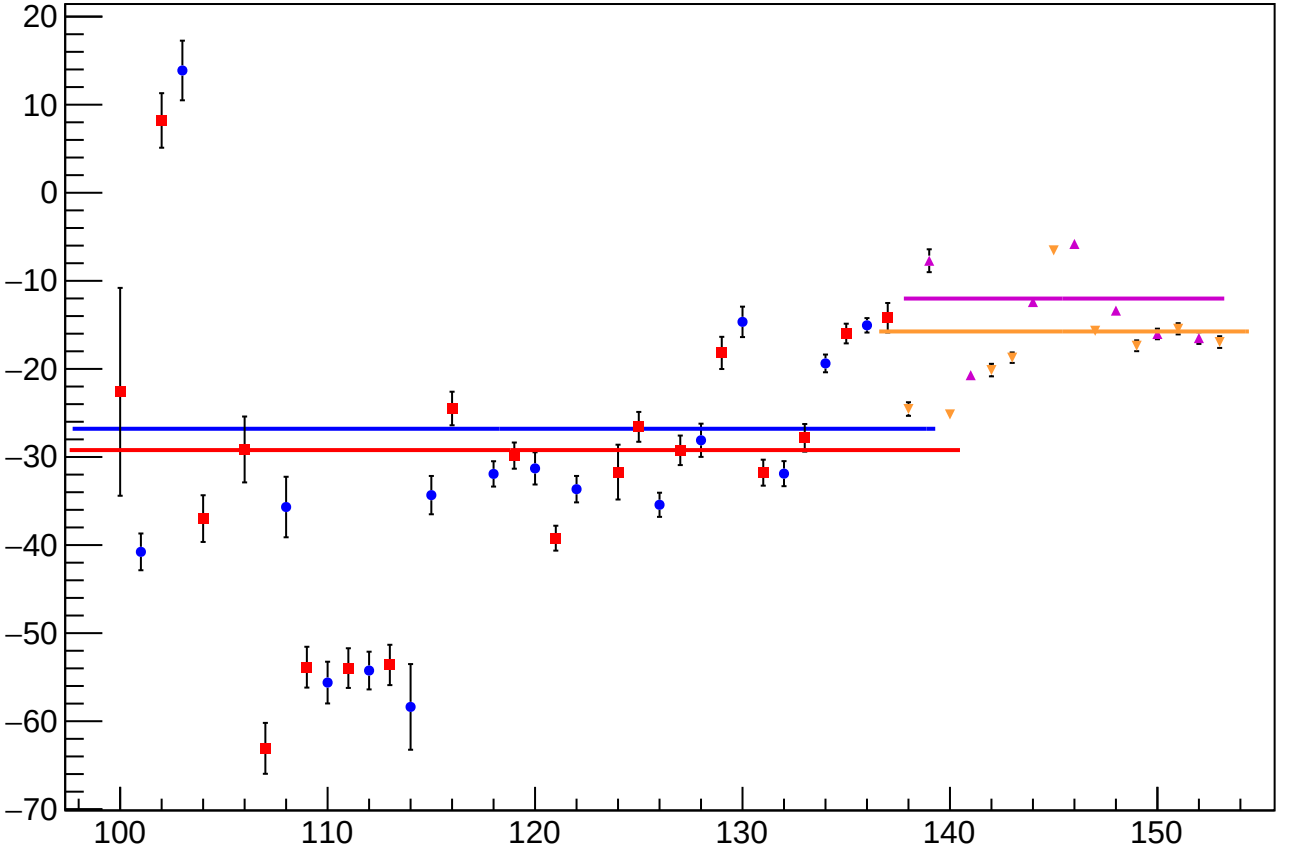
Right: -82.888+/-0.282 χ^2/NDF: 1933.1/34

In: -59.744+/-0.194 χ^2/NDF:8254.6/22

Out: -61.670+/-0.196 χ^2/NDF:6838.0/27

All: -60.699+/-0.138 χ^2/NDF: 15141.4/50

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: -15.747+/-0.189 χ^2/NDF:1118.1/8

Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

Left In: -12.012+/-0.186 χ^2/NDF:716.3/6

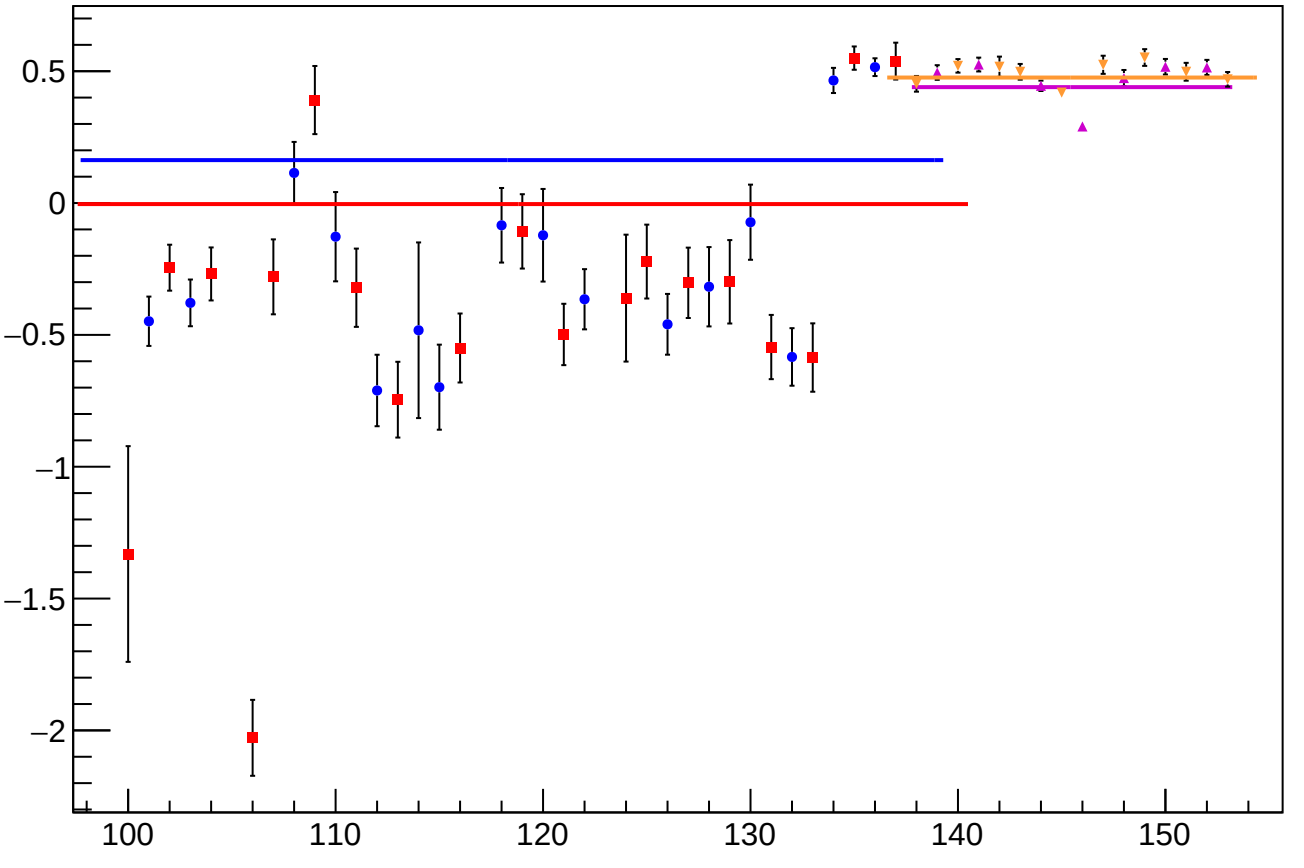
Left: -13.854+/-0.132 χ^2/NDF: 2033.1/15

Right: -27.902+/-0.291 χ^2/NDF: 1941.2/34

In: -14.691+/-0.168 χ^2/NDF:2823.4/22

Out: -17.911+/-0.173 χ^2/NDF:2898.0/27

All: -16.259+/-0.121 χ^2/NDF: 5899.6/50



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.476+/-0.009 χ^2/NDF:26.0/8

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

Left In: 0.440+/-0.009 χ^2/NDF:93.3/6

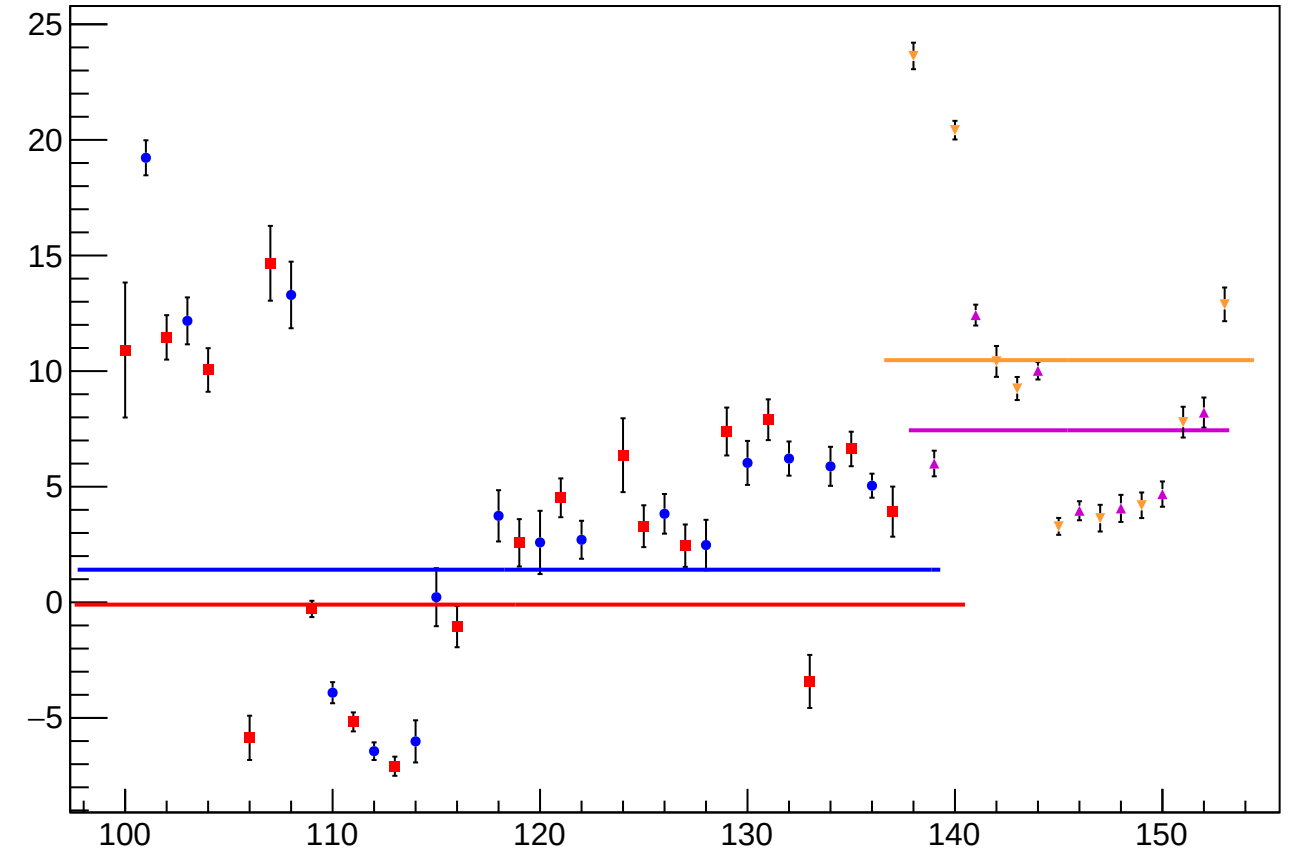
Left: 0.458+/-0.006 χ^2/NDF: 127.1/15

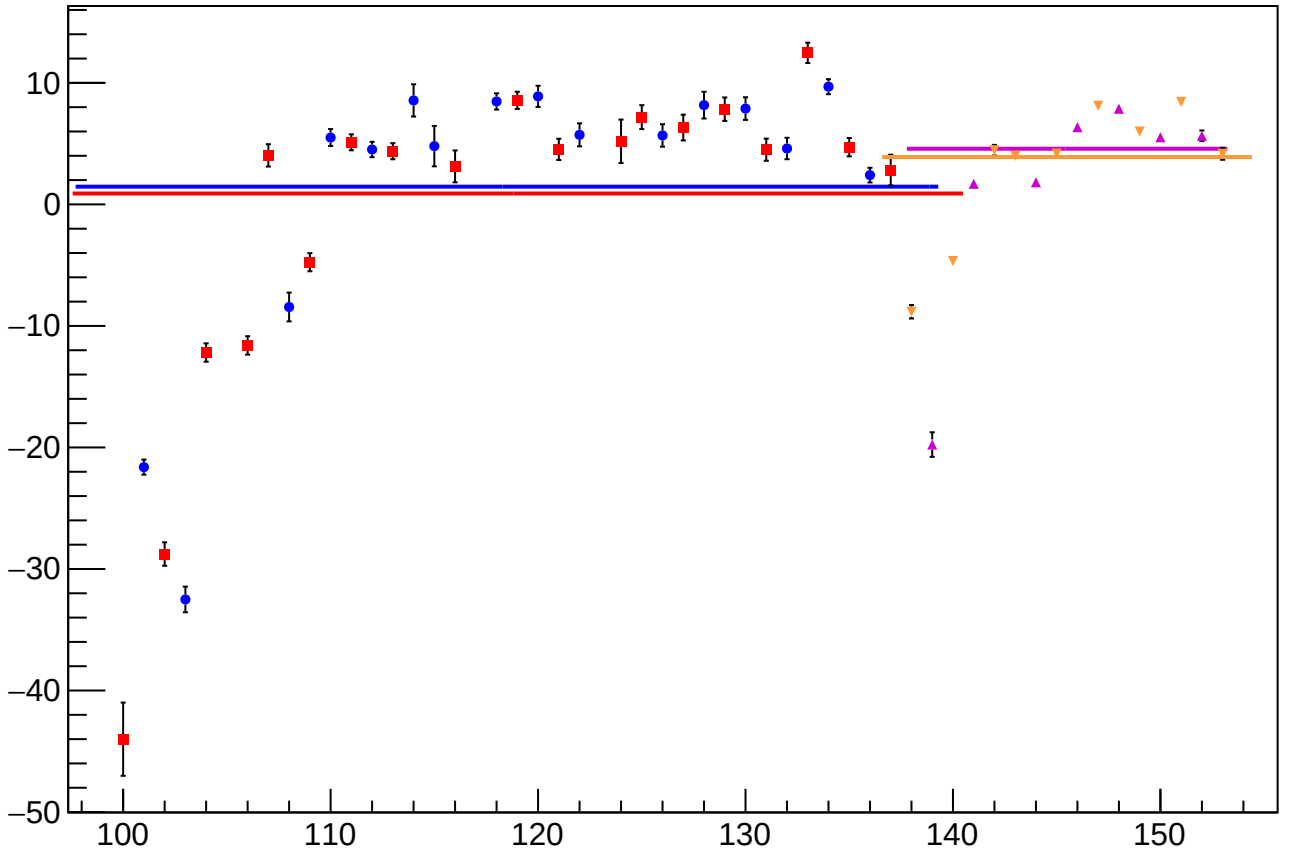
Right: 0.090+/-0.016 χ^2/NDF: 1022.3/34

In: 0.396+/-0.009 χ^2/NDF:656.7/22

Out: 0.418+/-0.008 χ^2/NDF:939.4/27

All: 0.407+/-0.006 χ^2/NDF: 1599.6/50


reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected
25
20
15
10
5
0
−5
100
110
120
130
140
150
Right In: 1.412+/-0.183 χ²/NDF: 1522.1/15
Left Out: 10.474+/-0.173 χ²/NDF:1825.1/8
Right Out: -0.098+/-0.167 χ²/NDF: 1147.2/18
Left In: 7.441+/-0.183 χ²/NDF:306.6/6
Left: 9.045+/-0.126 χ²/NDF: 2276.2/15
Right: 0.589+/-0.124 χ²/NDF: 2706.4/34
In: 4.420+/-0.130 χ²/NDF:2369.7/22
Out: 5.009+/-0.120 χ²/NDF:4899.2/27
All: 4.736+/-0.088 χ²/NDF: 7280.0/50



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: 3.897+/-0.119 χ^2/NDF:1636.7/8

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

Left In: 4.579+/-0.123 χ^2/NDF:962.9/6

Left: 4.228+/-0.086 χ^2/NDF: 2615.5/15

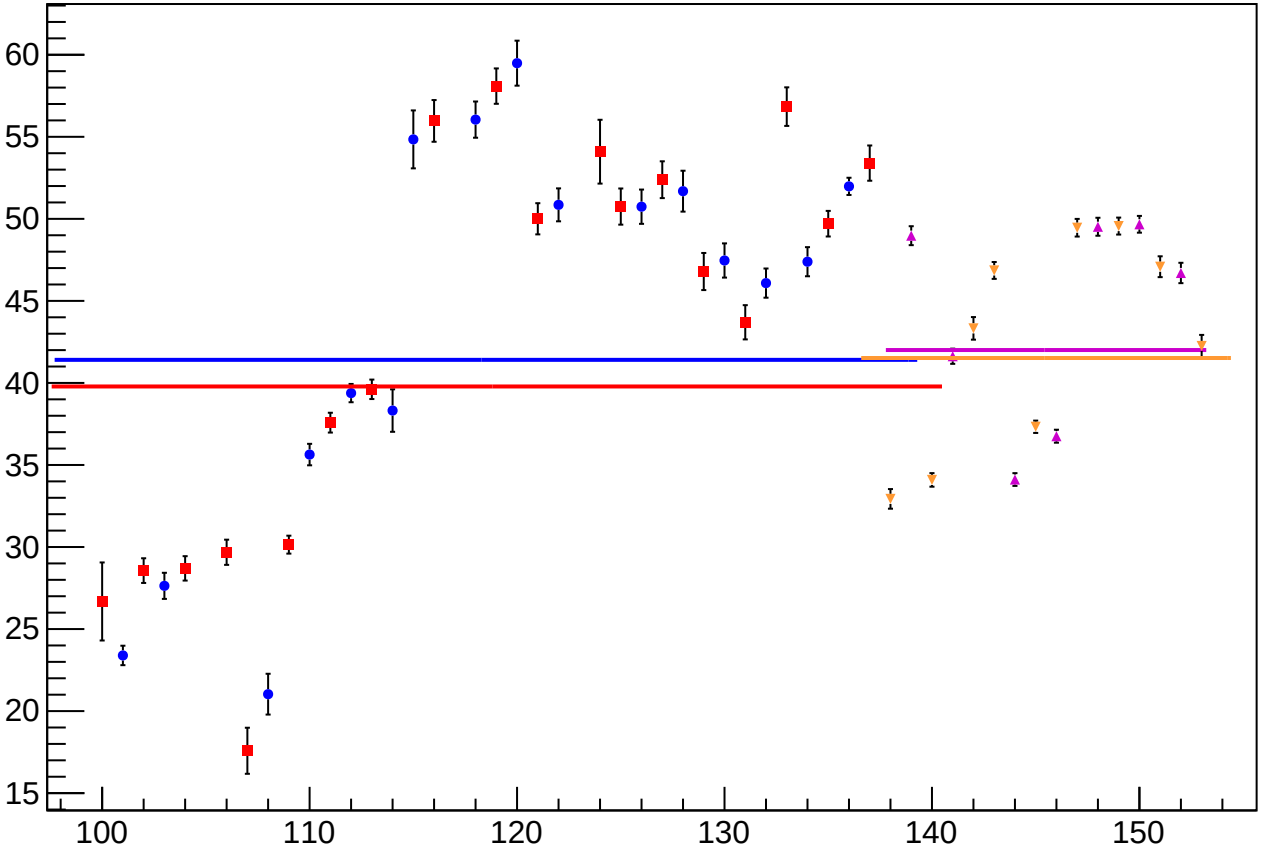
Right: 1.176+/-0.143 χ^2/NDF: 5461.2/34

In: 3.745+/-0.105 χ^2/NDF:4215.5/22

Out: 3.121+/-0.103 χ^2/NDF:4177.3/27

All: 3.425+/-0.074 χ^2/NDF: 8410.9/50

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: 41.519+/-0.173 χ^2/NDF:1304.5/8

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

Left In: 42.005+/-0.181 χ^2/NDF:1205.5/6

Left: 41.751+/-0.125 χ^2/NDF: 2513.7/15

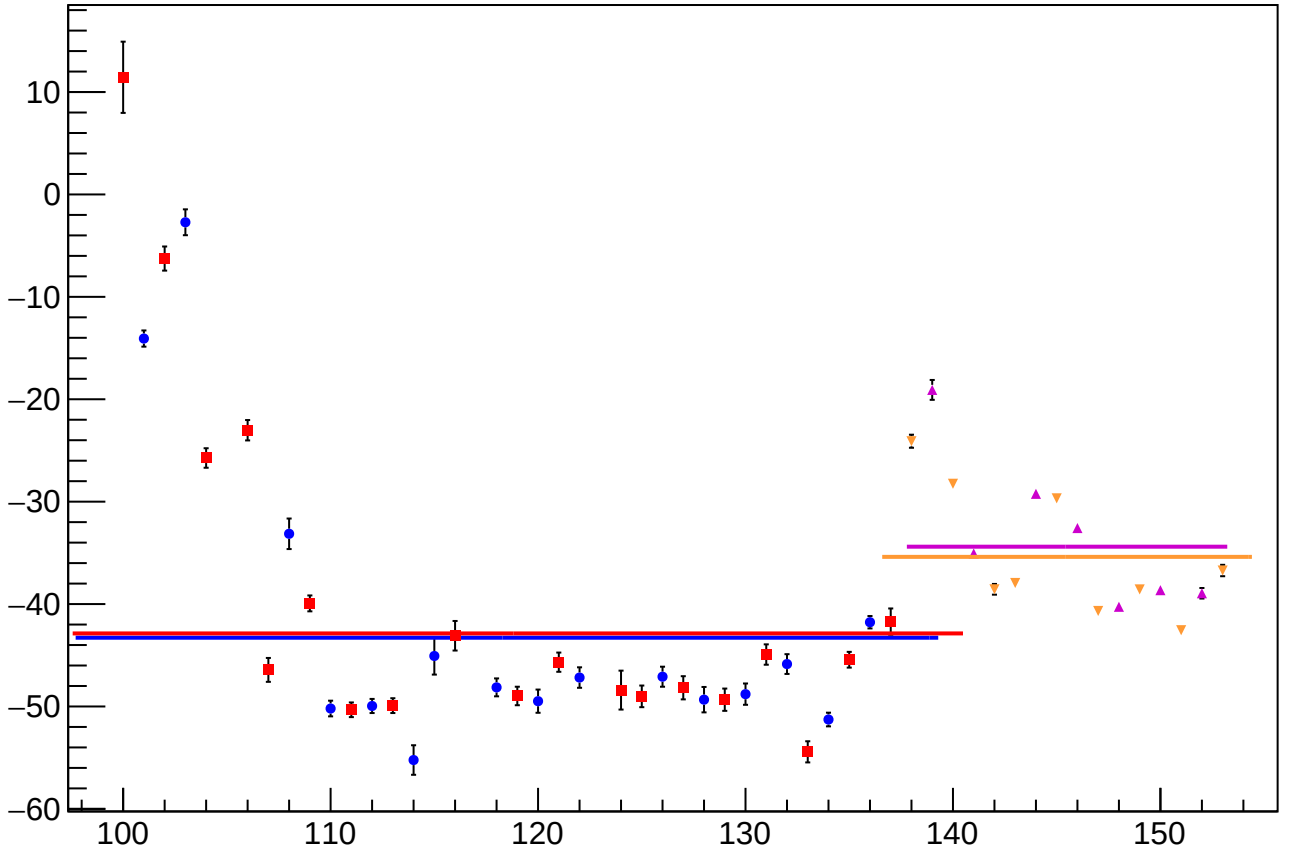
Right: 40.565+/-0.146 χ^2/NDF: 5430.6/34

In: 41.751+/-0.137 χ^2/NDF:3956.1/22

Out: 40.790+/-0.132 χ^2/NDF:4000.7/27

All: 41.249+/-0.095 χ^2/NDF: 7982.4/50

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -43.285+/-0.229 χ^2/NDF: 2985.2/15

Left Out: -35.390+/-0.146 χ^2/NDF:1487.1/8

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

Left In: -34.397+/-0.151 χ^2/NDF:949.0/6

Left: -34.911+/-0.105 χ^2/NDF: 2458.6/15

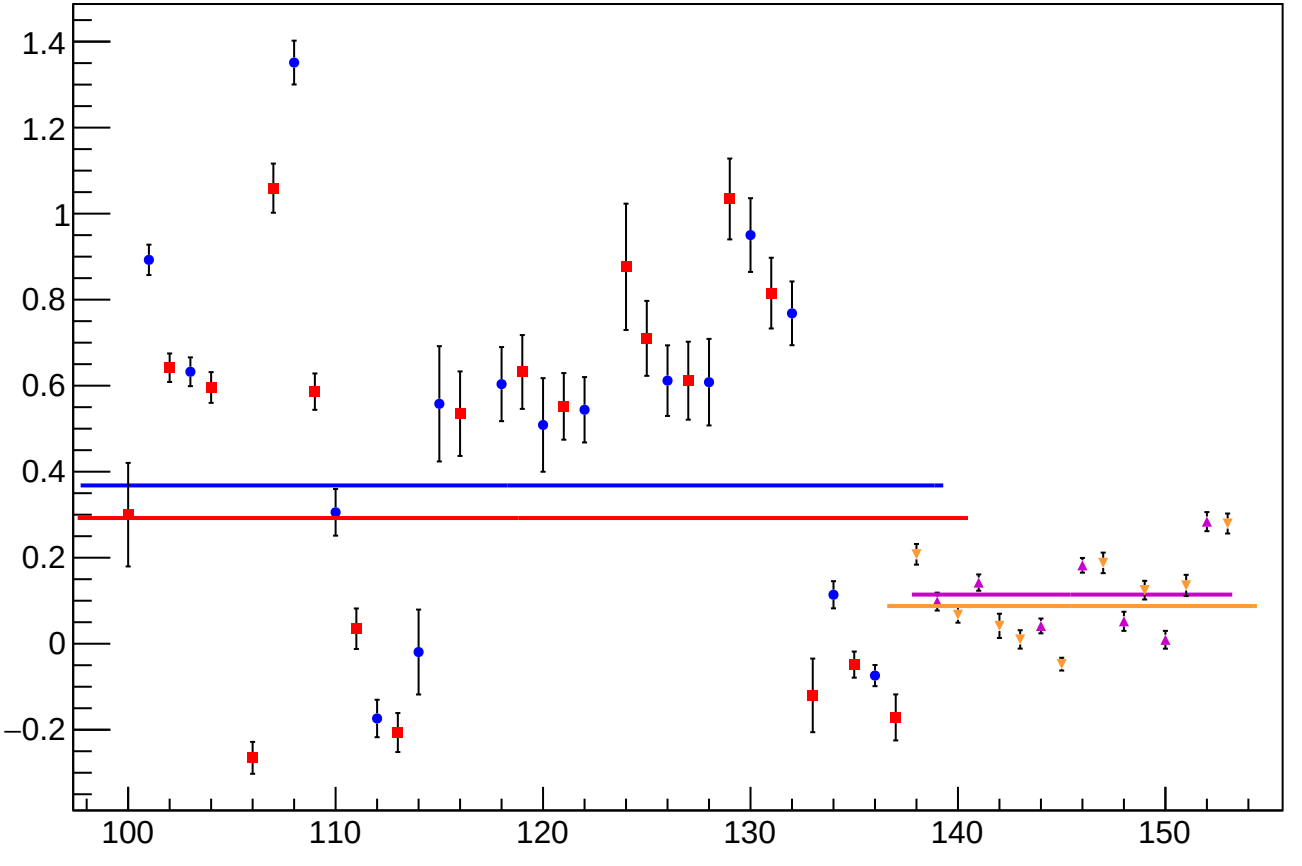
Right: -43.076+/-0.162 χ^2/NDF: 5441.1/34

In: -37.079+/-0.126 χ^2/NDF:4983.1/22

Out: -37.542+/-0.123 χ^2/NDF:4700.4/27

All: -37.316+/-0.088 χ^2/NDF: 9690.4/50

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: 0.088+/-0.007 χ^2/NDF:216.7/8

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

Left In: 0.114+/-0.007 χ^2/NDF:128.5/6

Left: 0.100+/-0.005 χ^2/NDF: 352.0/15

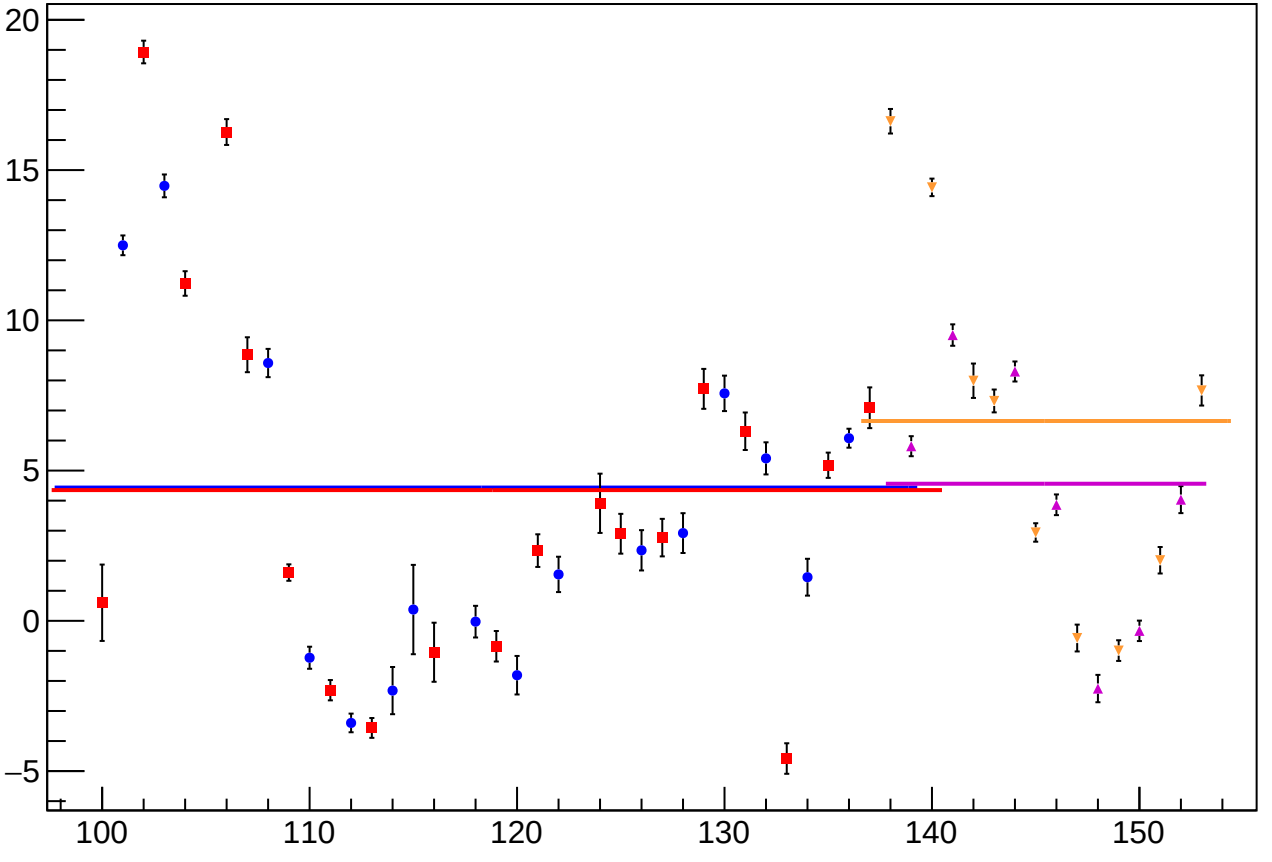
Right: 0.330+/-0.009 χ^2/NDF: 2539.6/34

In: 0.182+/-0.006 χ^2/NDF:1765.7/22

Out: 0.140+/-0.006 χ^2/NDF:1629.1/27

All: 0.160+/-0.004 χ^2/NDF: 3418.4/50

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 4.435+/-0.117 χ^2/NDF: 2622.0/15

Left Out: 6.650+/-0.128 χ^2/NDF:2330.7/8

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

Left In: 4.562+/-0.138 χ^2/NDF:768.7/6

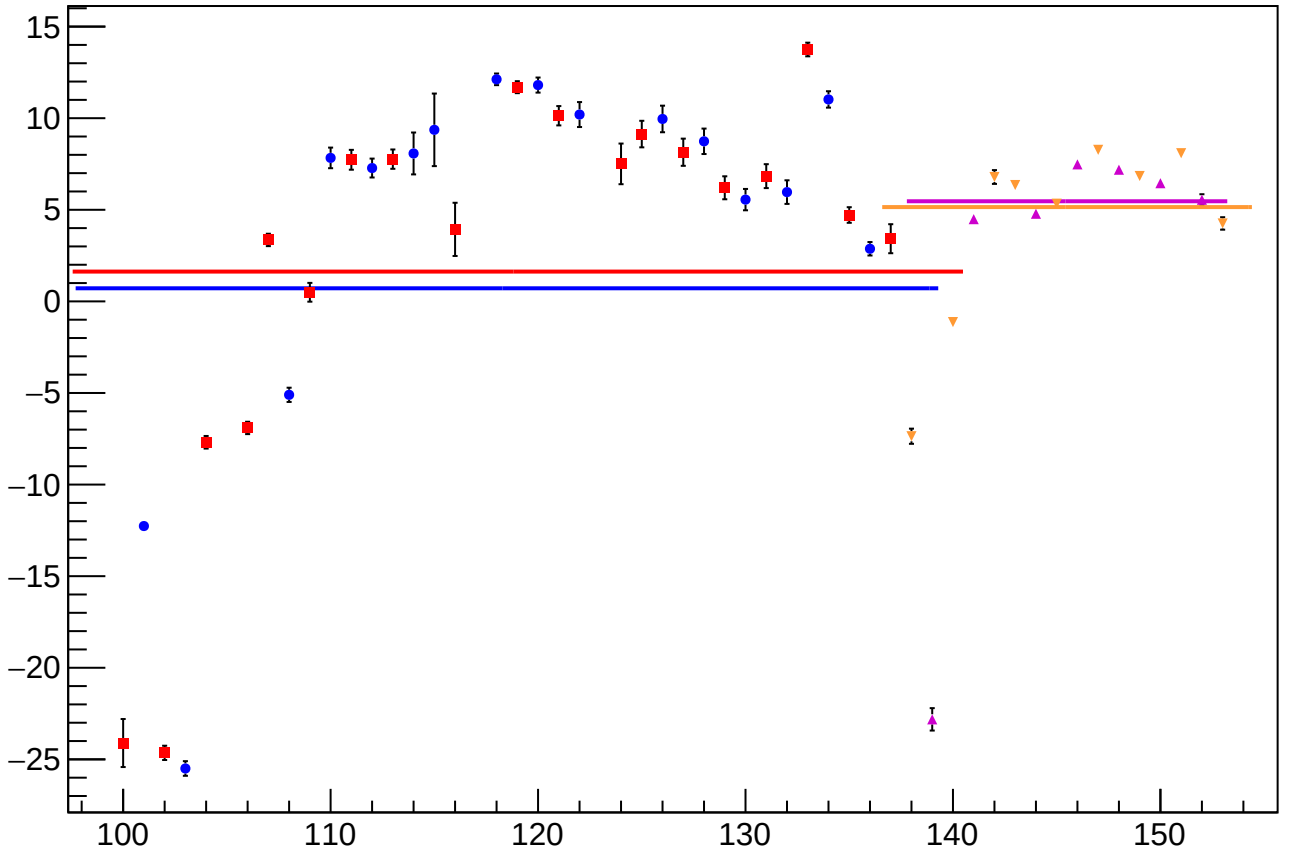
Left: 5.681+/-0.094 χ^2/NDF: 3222.6/15

Right: 4.390+/-0.080 χ^2/NDF: 6827.6/34

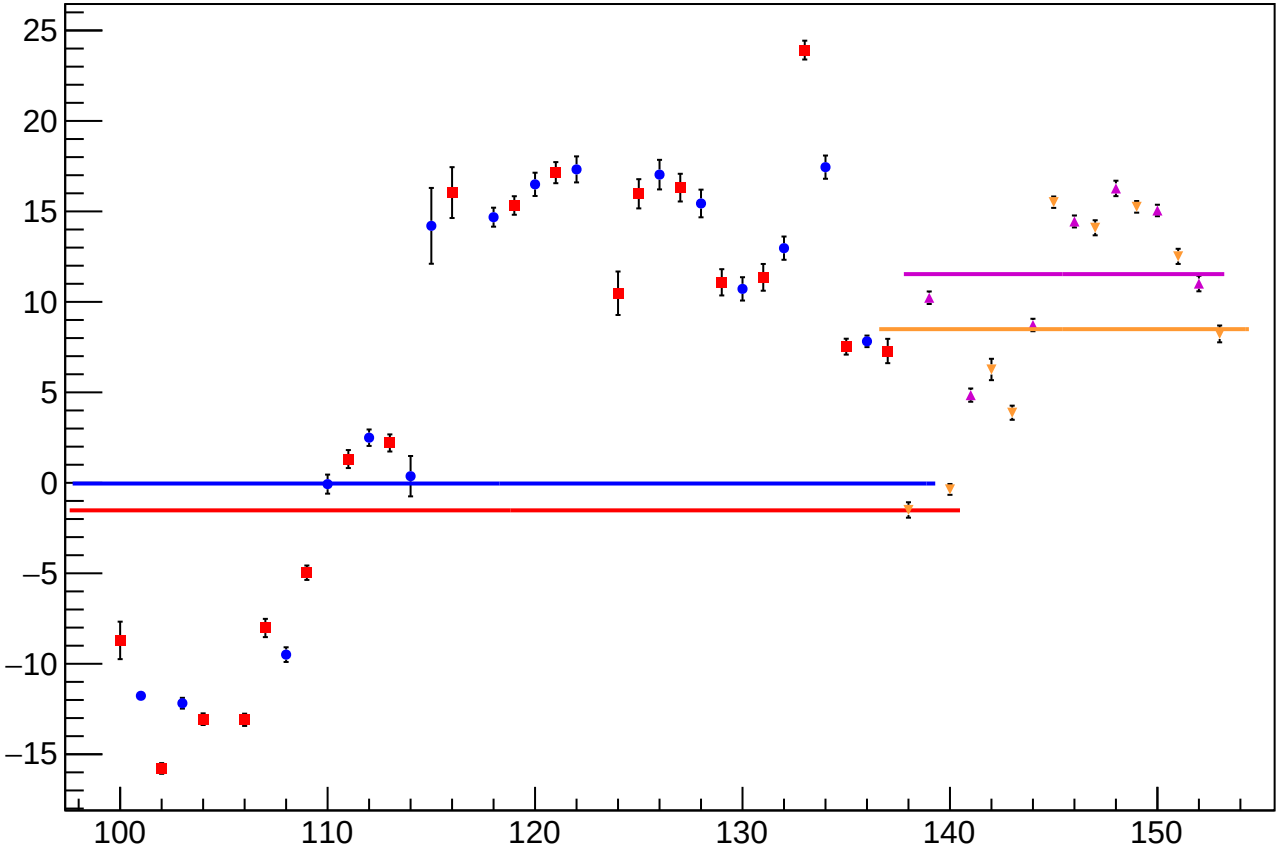
In: 4.488+/-0.089 χ^2/NDF:3391.3/22

Out: 5.317+/-0.083 χ^2/NDF:6722.6/27

All: 4.932+/-0.061 χ^2/NDF: 10160.1/50


reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
15
10
5
0
−5
−10
−15
−20
−25
100
110
120
130
140
150
Right In: 0.715+/-0.116 χ²/NDF: 10454.0/15
Left Out: 5.147+/-0.089 χ²/NDF:2044.2/8
Right Out: 1.627+/-0.111 χ²/NDF: 9255.5/18
Left In: 5.466+/-0.097 χ²/NDF:2330.1/6
Left: 5.293+/-0.065 χ²/NDF: 4380.2/15
Right: 1.190+/-0.080 χ²/NDF: 19741.8/34
In: 3.518+/-0.074 χ²/NDF:13774.9/22
Out: 3.774+/-0.069 χ²/NDF:11912.7/27
All: 3.654+/-0.051 χ²/NDF: 25694.0/50

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: 8.493+/-0.127 χ^2/NDF:2785.5/8

Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

Left In: 11.535+/-0.136 χ^2/NDF:739.4/6

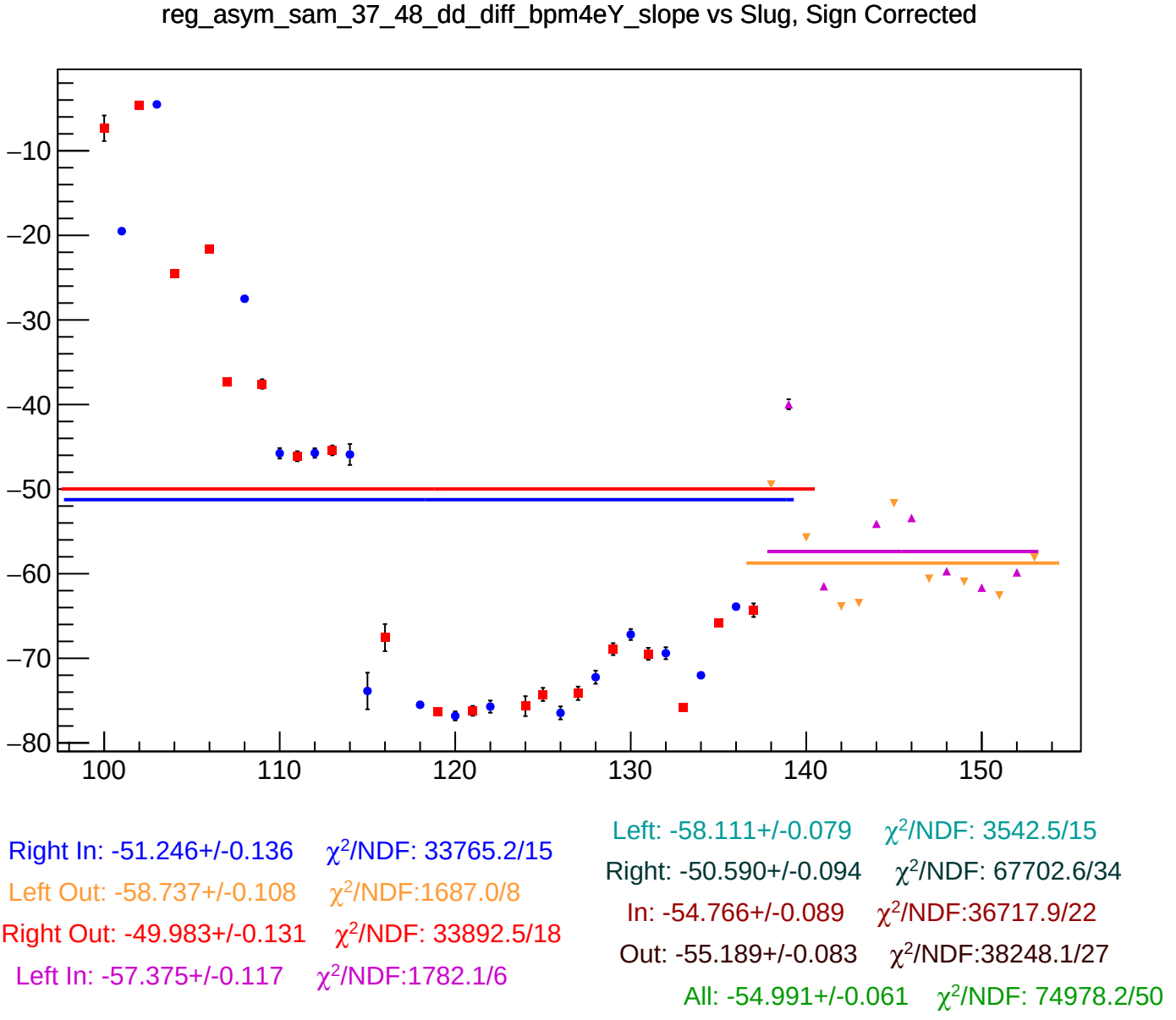
Left: 9.914+/-0.093 χ^2/NDF: 3792.3/15

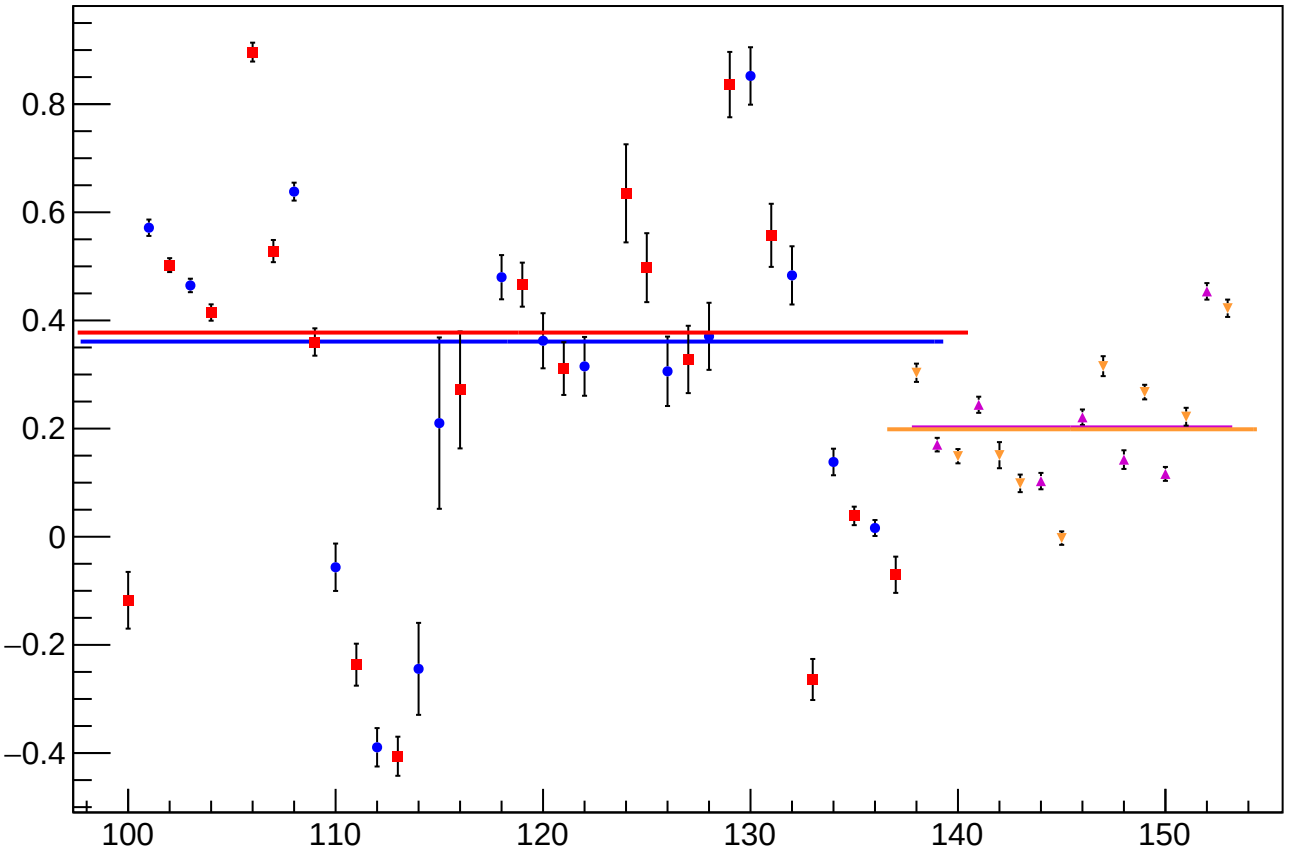
Right: -0.807+/-0.083 χ^2/NDF: 21484.6/34

In: 5.007+/-0.090 χ^2/NDF:14111.4/22

Out: 2.988+/-0.085 χ^2/NDF:18325.2/27

All: 3.948+/-0.062 χ^2/NDF: 32702.5/50


reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
−10
−20
−30
−40
−50
−60
−70
−80
100
110
120
130
140
150
Right In: -51.246+/-0.136 χ²/NDF: 33765.2/15
Left Out: -58.737+/-0.108 χ²/NDF:1687.0/8
Right Out: -49.983+/-0.131 χ²/NDF: 33892.5/18
Left In: -57.375+/-0.117 χ²/NDF:1782.1/6
Left: -58.111+/-0.079 χ²/NDF: 3542.5/15
Right: -50.590+/-0.094 χ²/NDF: 67702.6/34
In: -54.766+/-0.089 χ²/NDF:36717.9/22
Out: -55.189+/-0.083 χ²/NDF:38248.1/27
All: -54.991+/-0.061 χ²/NDF: 74978.2/50



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.199+/-0.005 χ^2/NDF:617.7/8

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

Left In: 0.202+/-0.005 χ^2/NDF:386.3/6

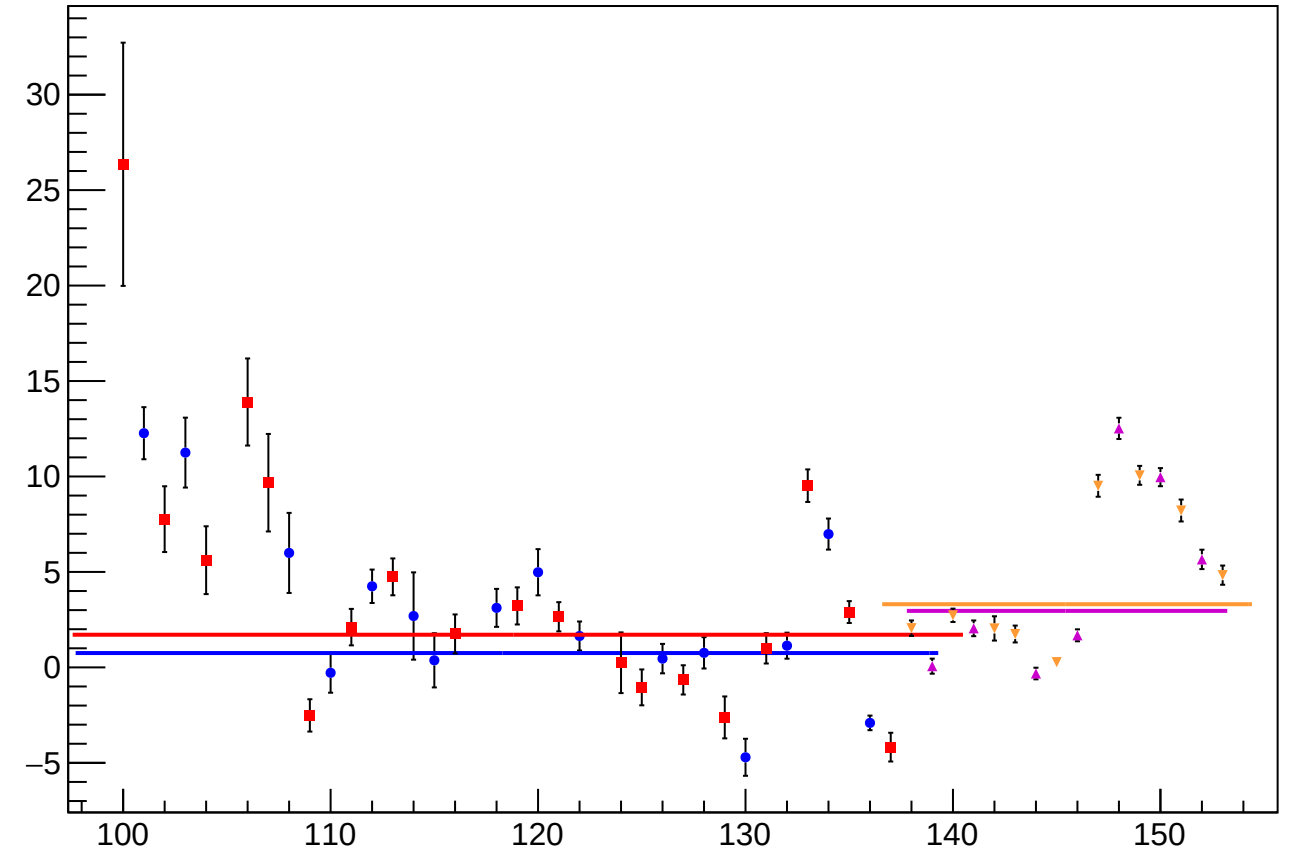
Left: 0.200+/-0.004 χ^2/NDF: 1004.2/15

Right: 0.370+/-0.004 χ^2/NDF: 4654.1/34

In: 0.269+/-0.004 χ^2/NDF:2605.0/22

Out: 0.274+/-0.004 χ^2/NDF:3905.9/27

All: 0.272+/-0.003 χ^2/NDF: 6511.4/50



Right In: 0.752+/-0.212 χ^2/NDF: 330.1/15

Left Out: 3.309+/-0.141 χ^2/NDF:546.5/8

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

Left In: 2.960+/-0.149 χ^2/NDF:732.5/6

Left: 3.145+/-0.102 χ^2/NDF: 1282.0/15

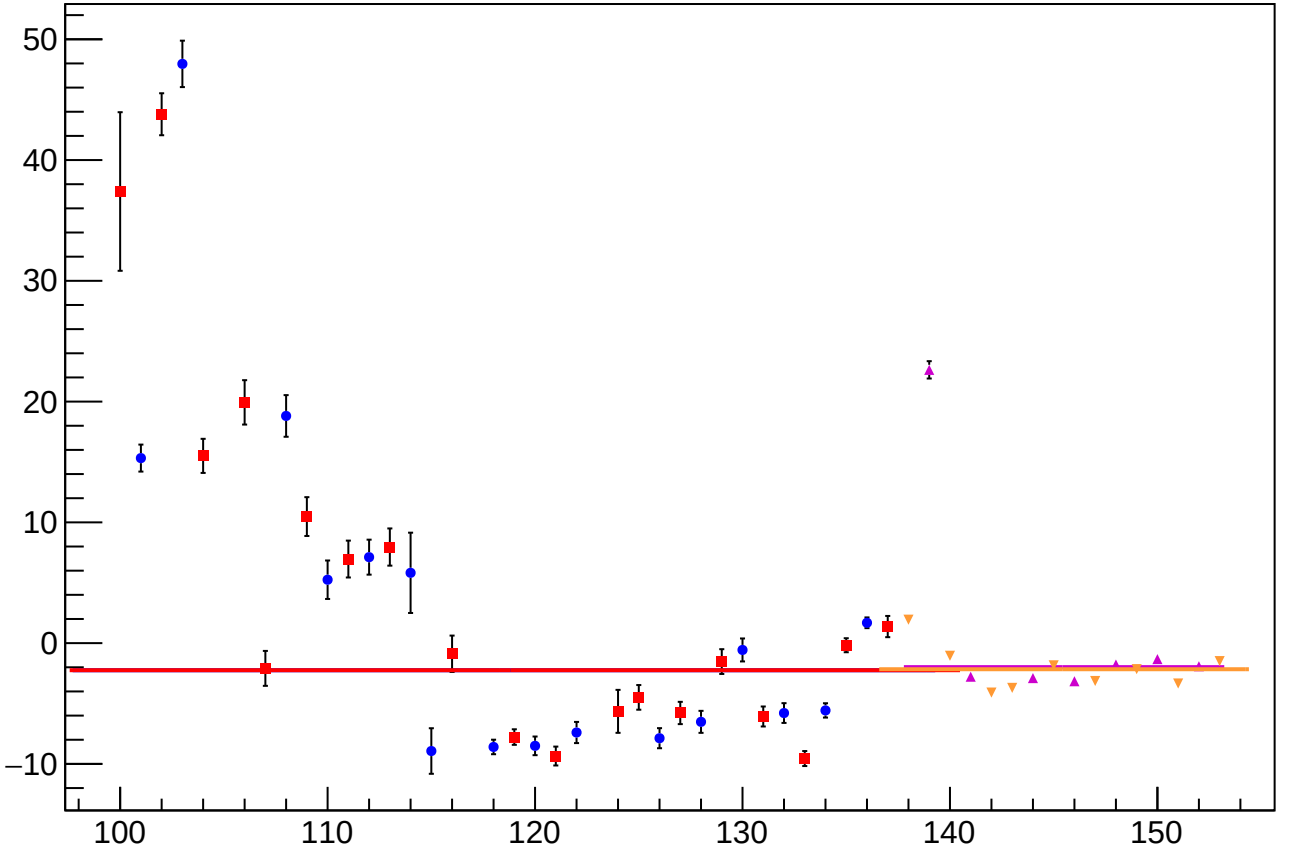
Right: 1.208+/-0.154 χ^2/NDF: 633.6/34

In: 2.229+/-0.122 χ^2/NDF:1135.0/22

Out: 2.853+/-0.119 χ^2/NDF:877.2/27

All: 2.549+/-0.085 χ^2/NDF: 2025.5/50

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: -2.161+/-0.101 χ^2/NDF:201.0/8

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

Left In: -1.988+/-0.104 χ^2/NDF:1240.4/6

Left: -2.077+/-0.072 χ^2/NDF: 1442.8/15

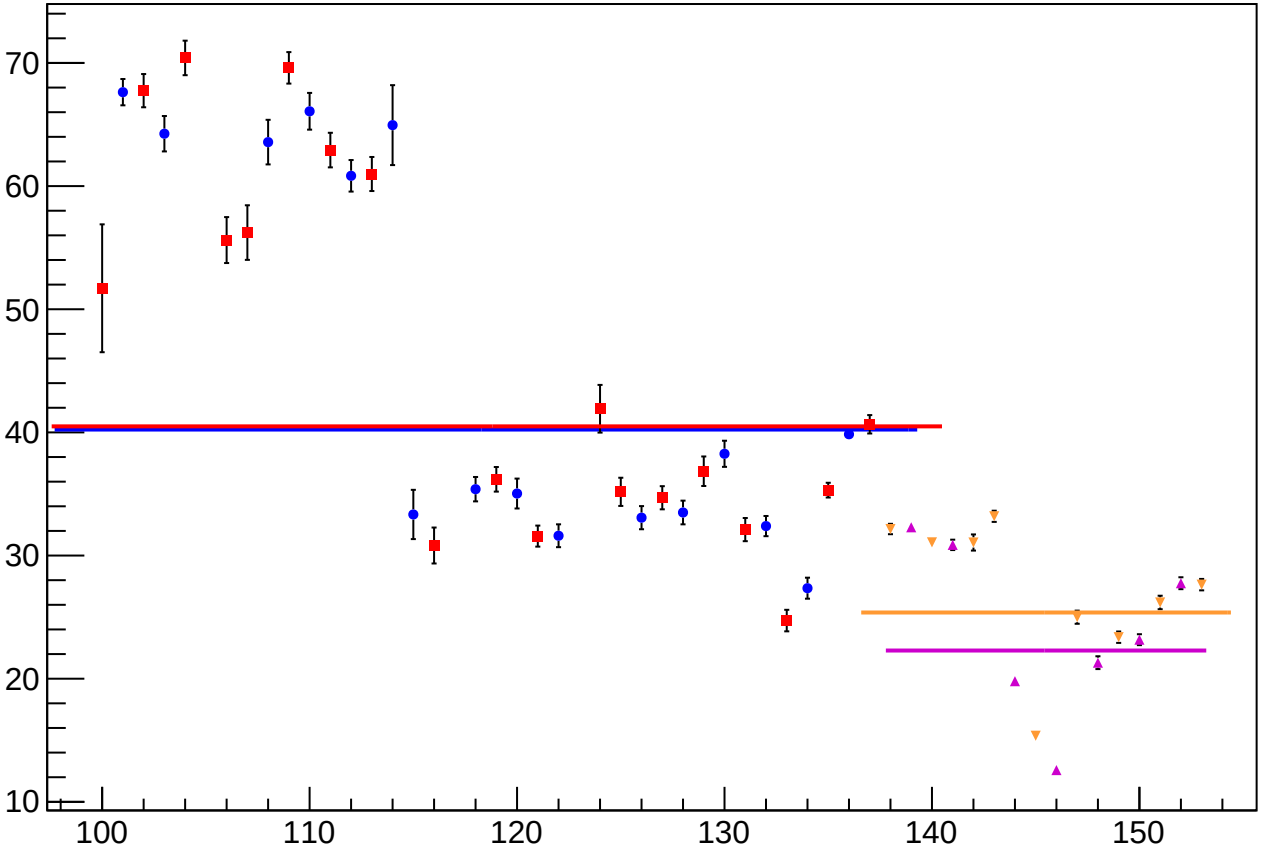
Right: -2.244+/-0.157 χ^2/NDF: 3128.1/34

In: -2.036+/-0.094 χ^2/NDF:2814.0/22

Out: -2.174+/-0.092 χ^2/NDF:1756.8/27

All: -2.106+/-0.066 χ^2/NDF: 4571.9/50

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: 25.376+/-0.141 χ^2/NDF:2280.4/8

Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 22.288+/-0.148 χ^2/NDF:2240.0/6

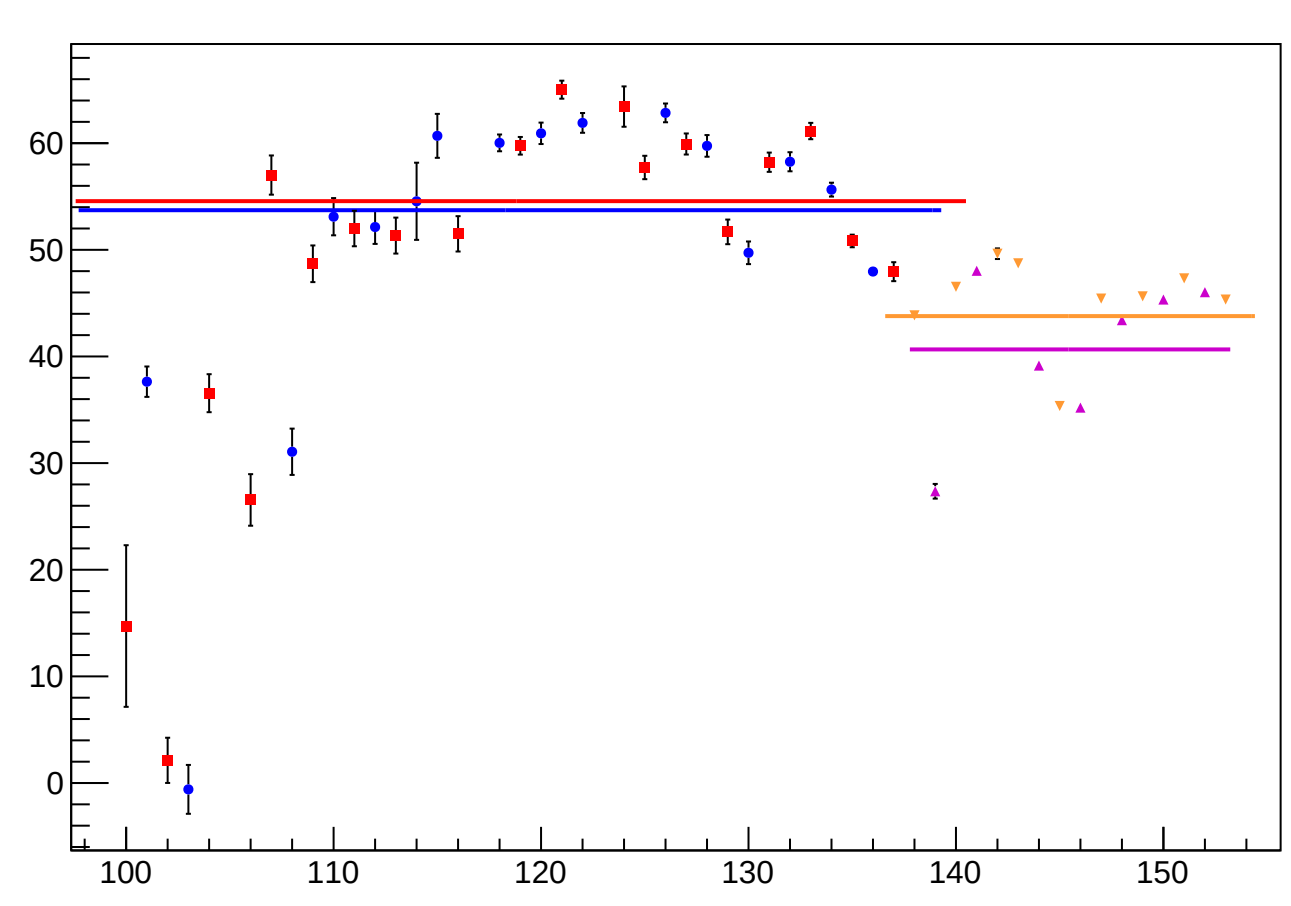
Left: 23.904+/-0.102 χ^2/NDF: 4748.4/15

Right: 40.351+/-0.170 χ^2/NDF: 4989.7/34

In: 27.493+/-0.125 χ^2/NDF:8798.9/22

Out: 29.021+/-0.123 χ^2/NDF:7742.4/27

All: 28.267+/-0.088 χ^2/NDF: 16617.5/50



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 43.785+/-0.121 χ^2/NDF:1678.7/8

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

Left In: 40.660+/-0.126 χ^2/NDF:1755.0/6

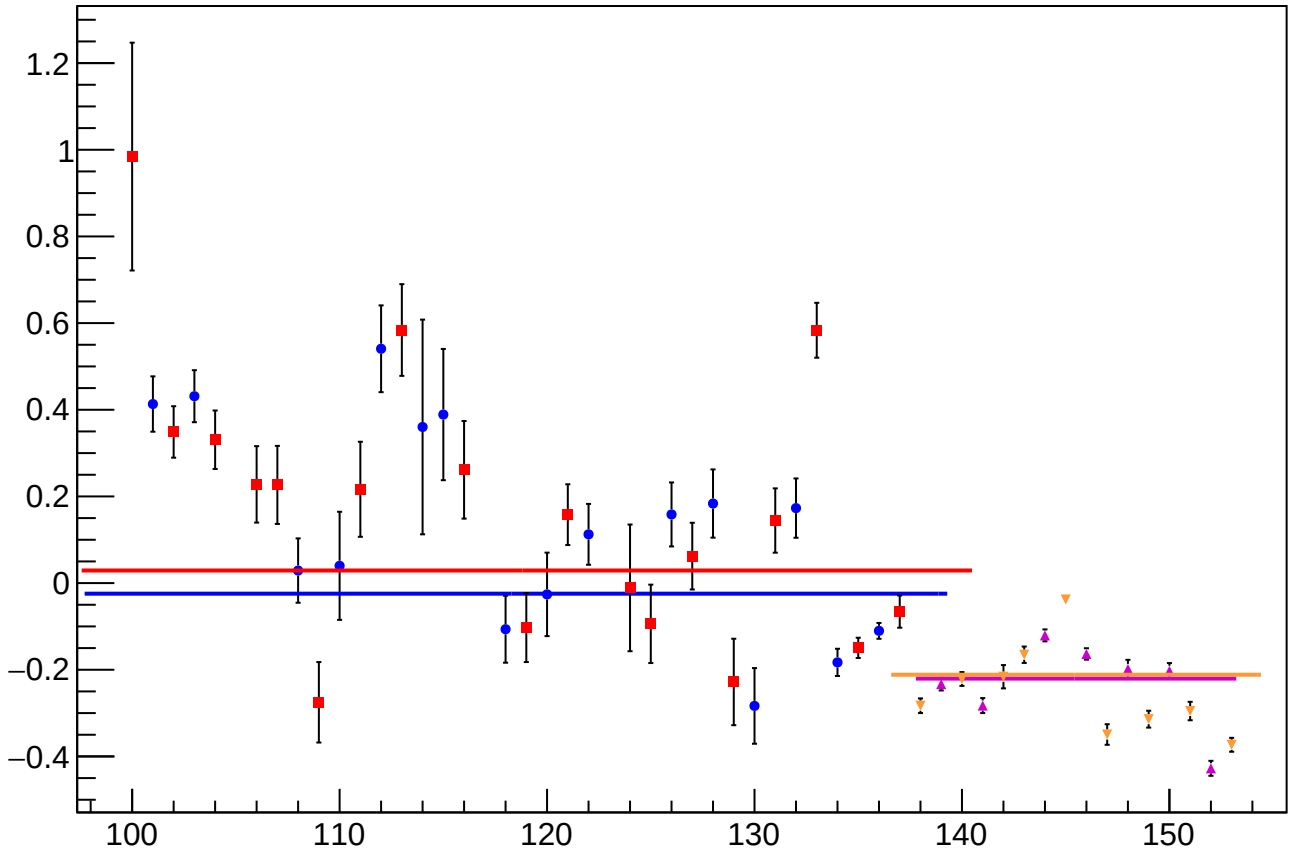
Left: 42.283+/-0.087 χ^2/NDF: 3753.0/15

Right: 54.111+/-0.175 χ^2/NDF: 2711.2/34

In: 43.500+/-0.111 χ^2/NDF:5452.2/22

Out: 45.758+/-0.110 χ^2/NDF:4468.6/27

All: 44.648+/-0.078 χ^2/NDF: 10129.4/50



Right In: -0.024+/-0.013 χ^2/NDF: 229.7/15

Left Out: -0.211+/-0.006 χ^2/NDF:462.2/8

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

Left In: -0.220+/-0.006 χ^2/NDF:230.8/6

Left: -0.216+/-0.004 χ^2/NDF: 694.1/15

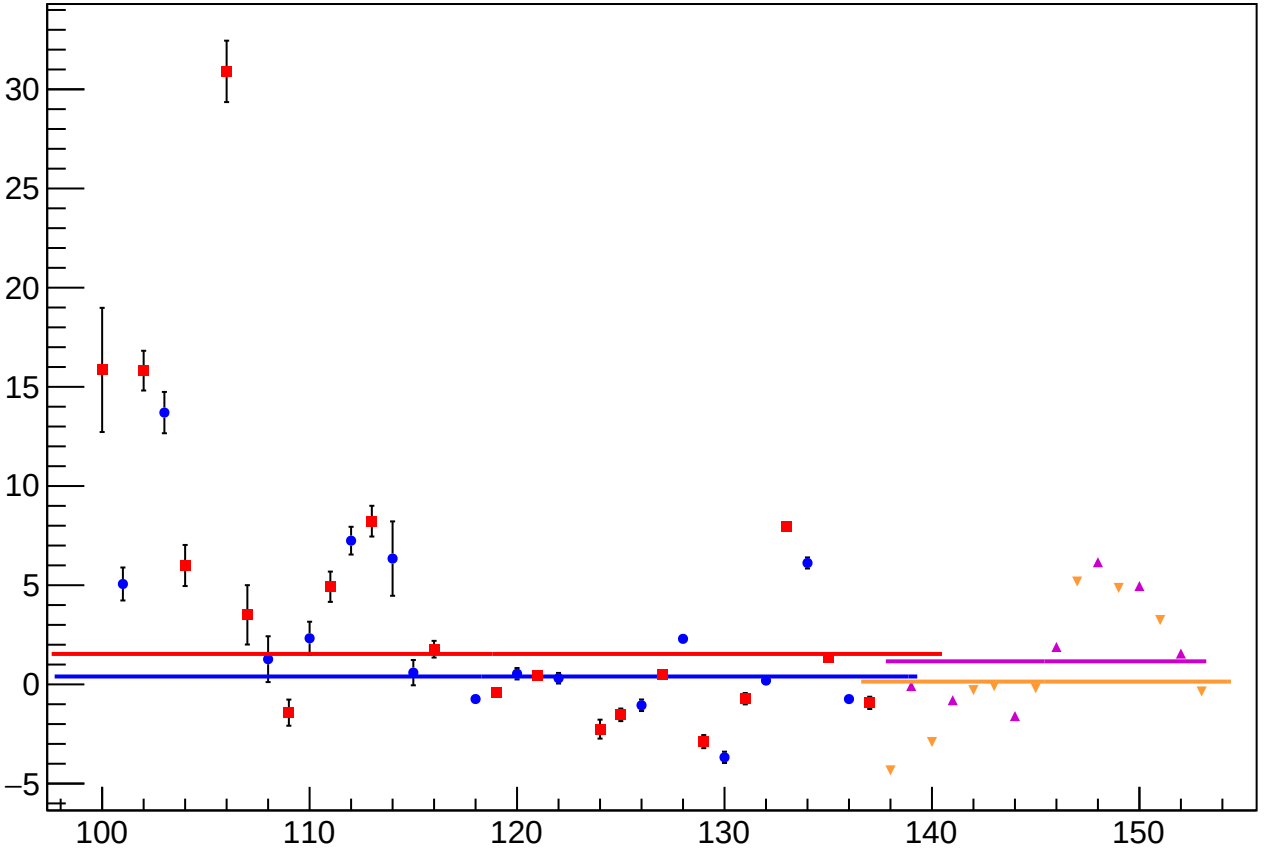
Right: -0.001+/-0.010 χ^2/NDF: 513.9/34

In: -0.185+/-0.005 χ^2/NDF:652.5/22

Out: -0.178+/-0.005 χ^2/NDF:984.3/27

All: -0.182+/-0.004 χ^2/NDF: 1637.6/50

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.398+/-0.077 χ^2/NDF: 1097.4/15

Left Out: 0.141+/-0.051 χ^2/NDF:3242.3/8

Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: 1.163+/-0.053 χ^2/NDF:2263.3/6

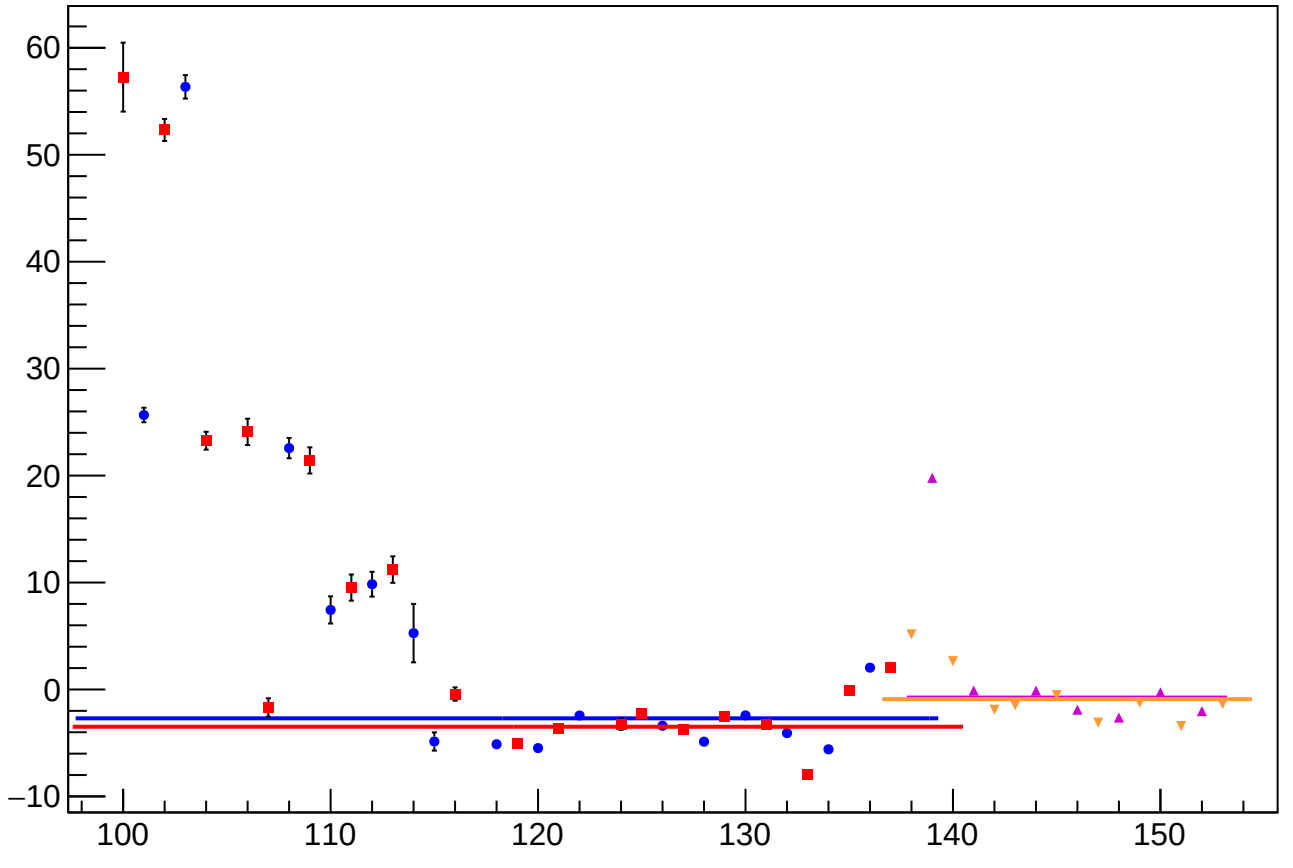
Left: 0.637+/-0.037 χ^2/NDF: 5698.9/15

Right: 0.959+/-0.055 χ^2/NDF: 3615.8/34

In: 0.919+/-0.043 χ^2/NDF:3427.6/22

Out: 0.560+/-0.043 χ^2/NDF:5876.2/27

All: 0.737+/-0.031 χ^2/NDF: 9338.5/50



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: -0.905+/-0.036 χ^2/NDF:3682.3/8

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

Left In: -0.758+/-0.037 χ^2/NDF:7404.8/6

Left: -0.833+/-0.026 χ^2/NDF: 11095.2/15

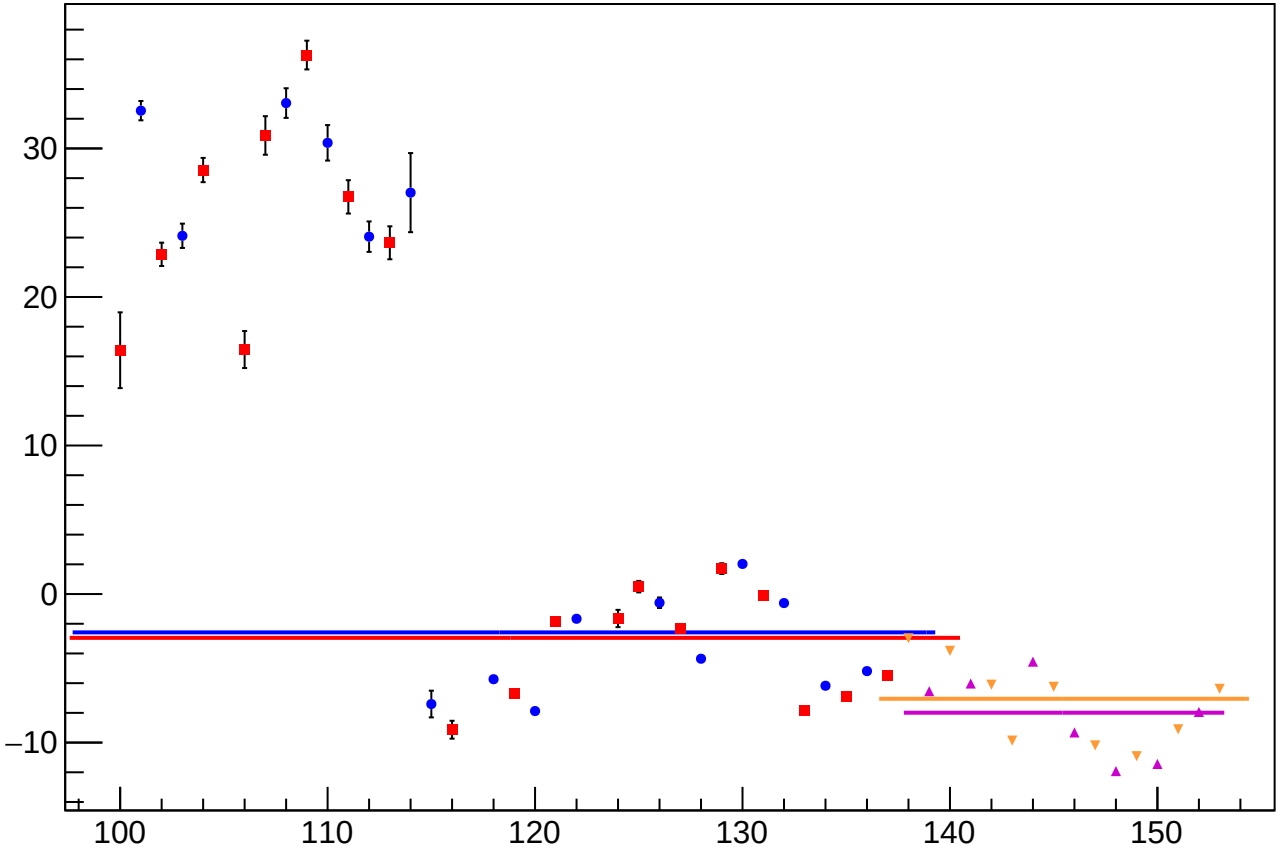
Right: -3.091+/-0.050 χ^2/NDF: 14325.4/34

In: -1.173+/-0.033 χ^2/NDF:15100.7/22

Out: -1.442+/-0.032 χ^2/NDF:11892.4/27

All: -1.309+/-0.023 χ^2/NDF: 27027.5/50

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: -7.050+/-0.051 χ^2/NDF:2740.8/8

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

Left In: -7.989+/-0.052 χ^2/NDF:2432.6/6

Left: -7.511+/-0.036 χ^2/NDF: 5338.8/15

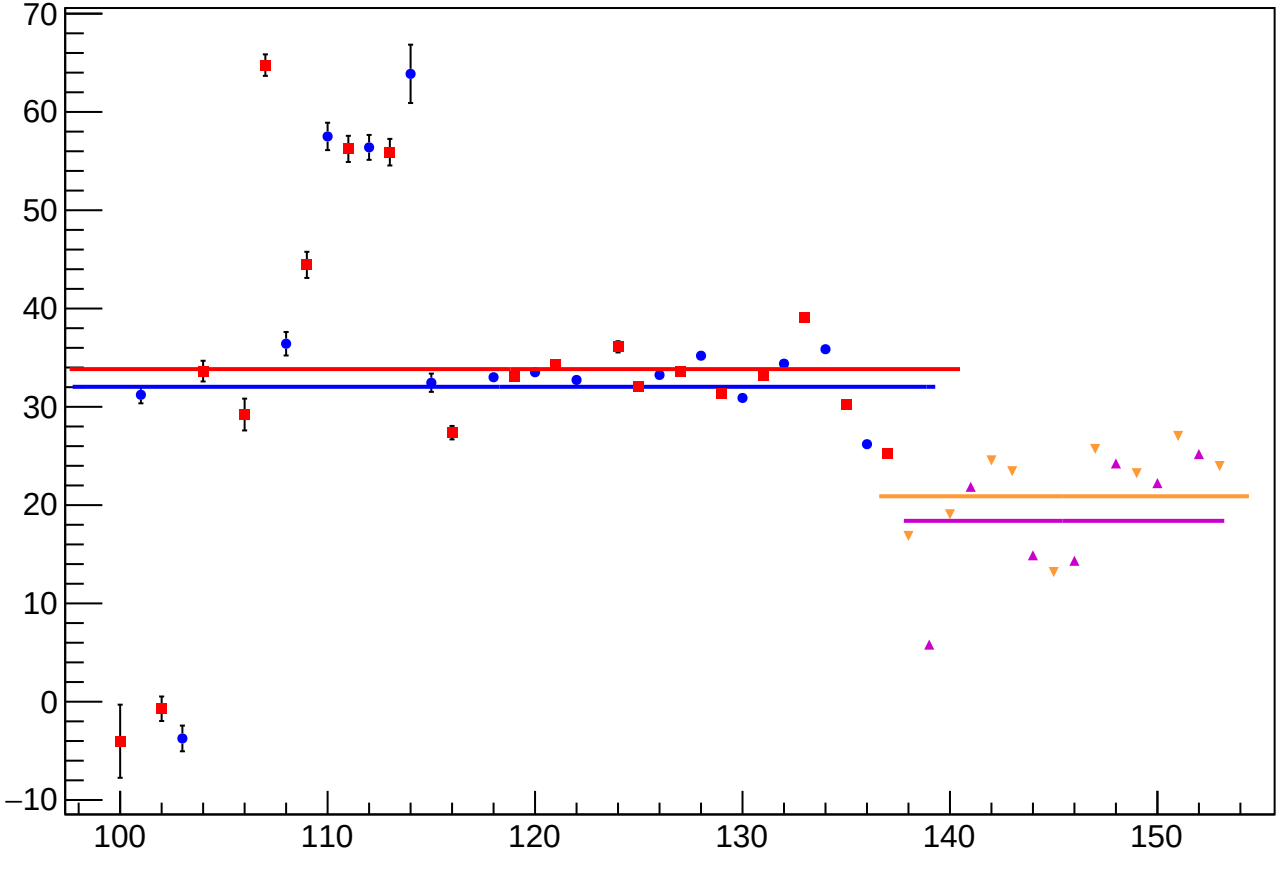
Right: -2.761+/-0.059 χ^2/NDF: 16365.7/34

In: -6.463+/-0.044 χ^2/NDF:13632.4/22

Out: -5.960+/-0.044 χ^2/NDF:12649.5/27

All: -6.210+/-0.031 χ^2/NDF: 26347.5/50

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: 20.900+/-0.044 χ^2/NDF:12666.0/8

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 18.400+/-0.045 χ^2/NDF:12110.9/6

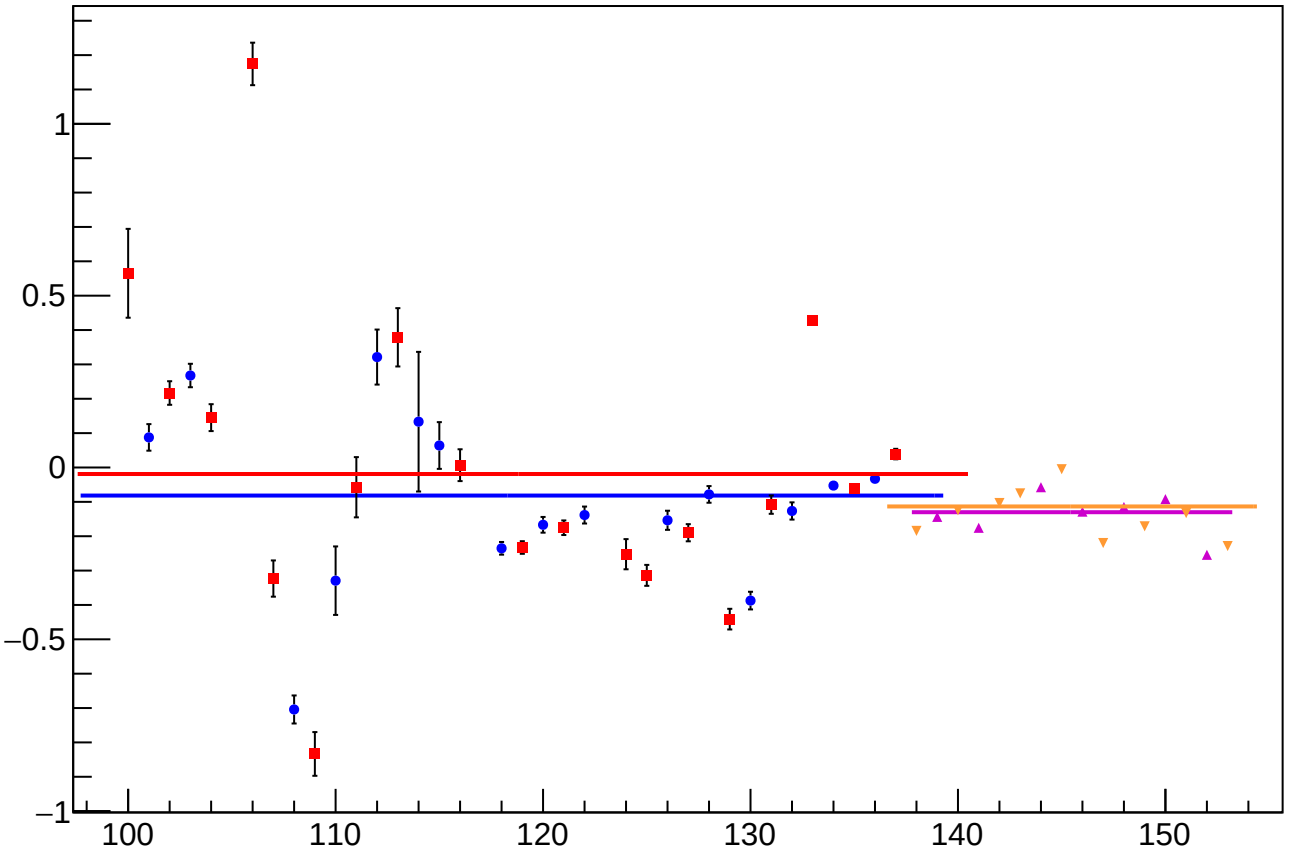
Left: 19.670+/-0.031 χ^2/NDF: 26377.3/15

Right: 32.934+/-0.058 χ^2/NDF: 7737.6/34

In: 21.549+/-0.039 χ^2/NDF:37014.7/22

Out: 23.796+/-0.039 χ^2/NDF:36403.1/27

All: 22.686+/-0.027 χ^2/NDF: 75091.3/50



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.113+/-0.002 χ^2/NDF:1439.7/8

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

Left In: -0.130+/-0.002 χ^2/NDF:666.4/6

Left: -0.122+/-0.001 χ^2/NDF: 2137.9/15

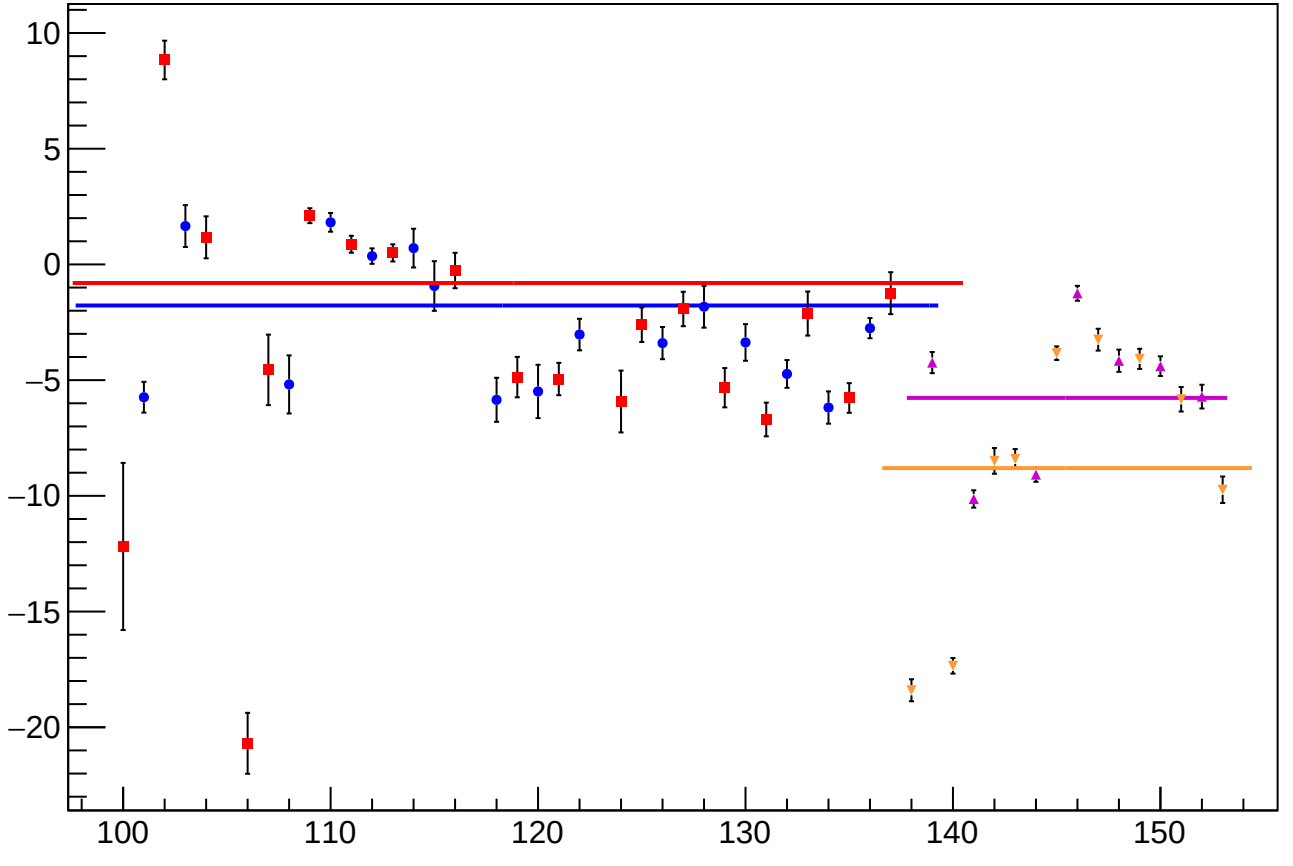
Right: -0.053+/-0.004 χ^2/NDF: 3041.0/34

In: -0.122+/-0.002 χ^2/NDF:1440.0/22

Out: -0.100+/-0.002 χ^2/NDF:3997.6/27

All: -0.111+/-0.001 χ^2/NDF: 5501.6/50

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: -8.800+/-0.141 χ^2/NDF:1636.5/8

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

Left In: -5.768+/-0.148 χ^2/NDF:478.8/6

Left: -7.356+/-0.102 χ^2/NDF: 2334.6/15

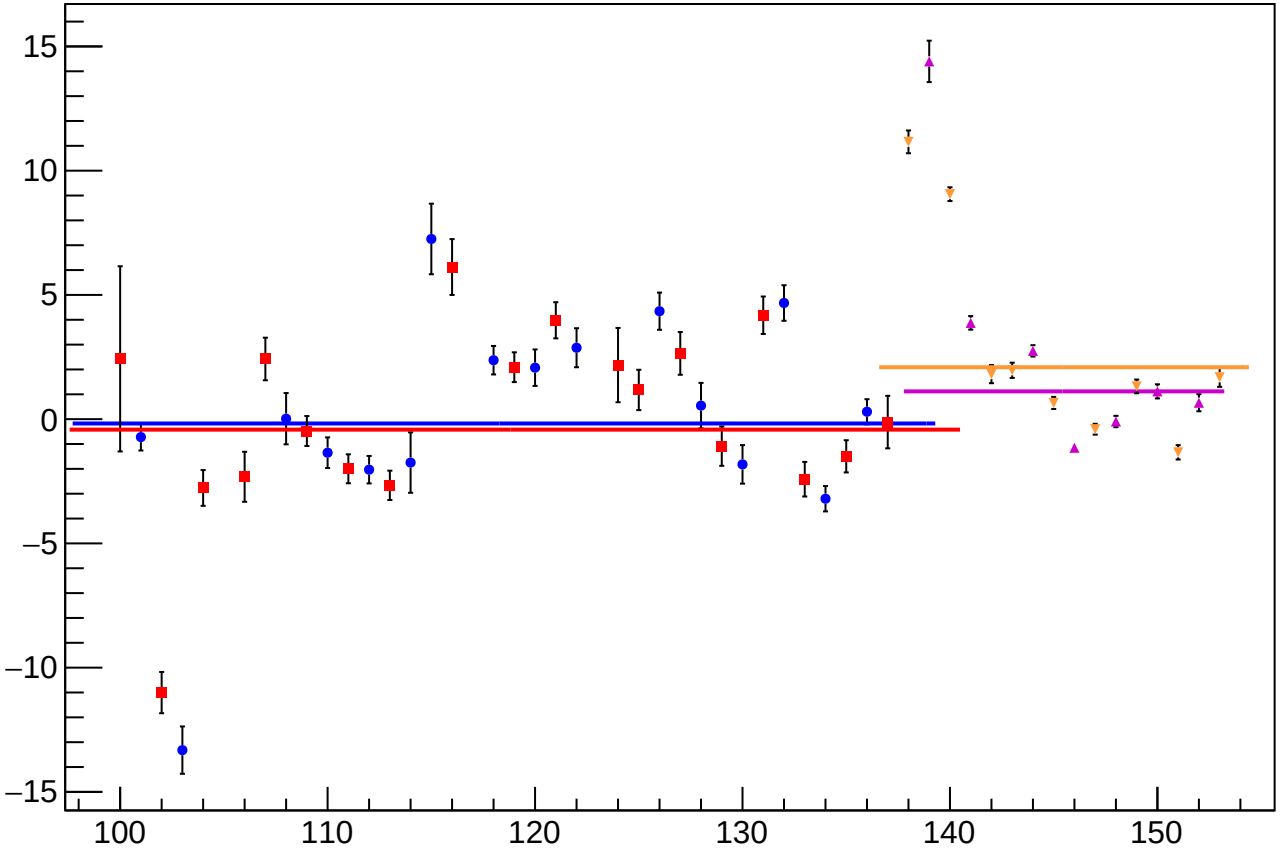
Right: -1.261+/-0.108 χ^2/NDF: 1051.6/34

In: -3.889+/-0.108 χ^2/NDF:1118.3/22

Out: -4.996+/-0.102 χ^2/NDF:3894.6/27

All: -4.472+/-0.074 χ^2/NDF: 5068.5/50

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: 2.089+/-0.097 χ^2/NDF:1340.2/8

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

Left In: 1.118+/-0.100 χ^2/NDF:573.1/6

Left: 1.616+/-0.070 χ^2/NDF: 1962.0/15

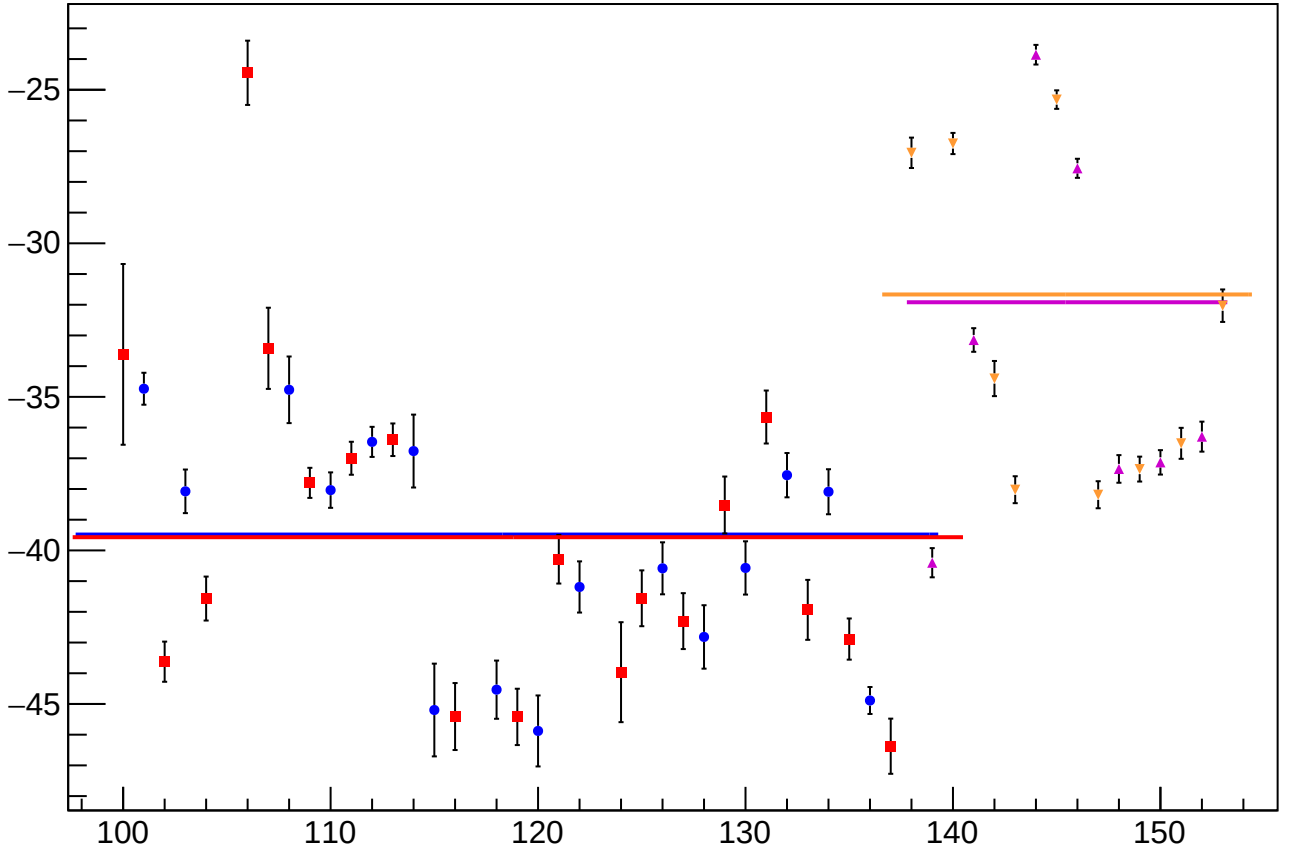
Right: -0.295+/-0.124 χ^2/NDF: 770.4/34

In: 0.795+/-0.086 χ^2/NDF:1018.1/22

Out: 1.509+/-0.085 χ^2/NDF:1860.8/27

All: 1.157+/-0.061 χ^2/NDF: 2913.4/50

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: -31.666+/-0.141 χ^2/NDF:1474.6/8

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

Left In: -31.919+/-0.146 χ^2/NDF:1558.5/6

Left: -31.787+/-0.101 χ^2/NDF: 3034.7/15

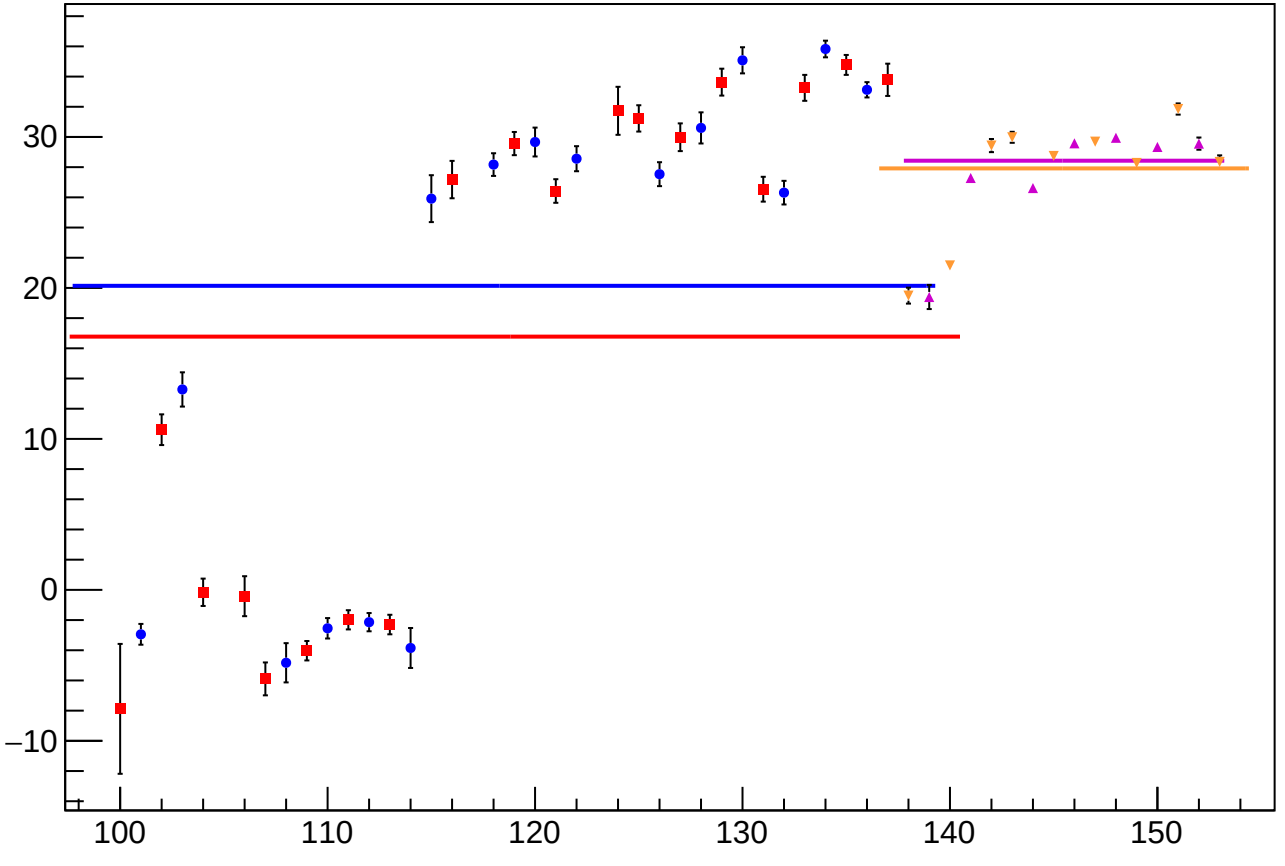
Right: -39.526+/-0.128 χ^2/NDF: 962.9/34

In: -34.922+/-0.114 χ^2/NDF:3030.2/22

Out: -34.645+/-0.111 χ^2/NDF:3216.7/27

All: -34.780+/-0.079 χ^2/NDF: 6250.0/50

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: 27.918+/-0.119 χ^2/NDF:829.7/8

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

Left In: 28.428+/-0.122 χ^2/NDF:246.4/6

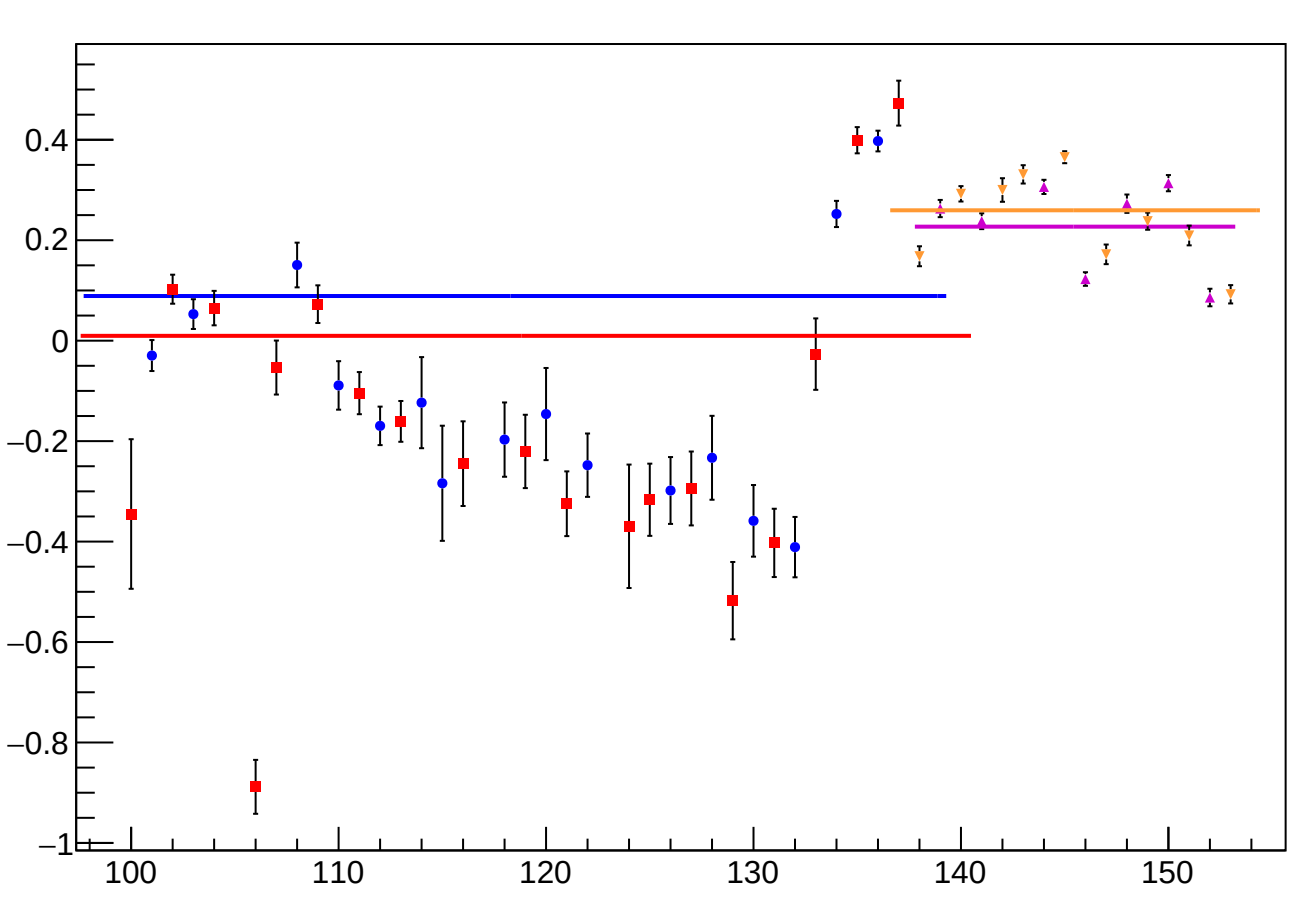
Left: 28.165+/-0.085 χ^2/NDF: 1085.1/15

Right: 18.500+/-0.139 χ^2/NDF: 13569.2/34

In: 26.093+/-0.103 χ^2/NDF:8232.2/22

Out: 25.016+/-0.102 χ^2/NDF:9871.2/27

All: 25.547+/-0.073 χ^2/NDF: 18158.4/50



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.260+/-0.006 χ^2/NDF:234.8/8

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

Left In: 0.227+/-0.006 χ^2/NDF:196.1/6

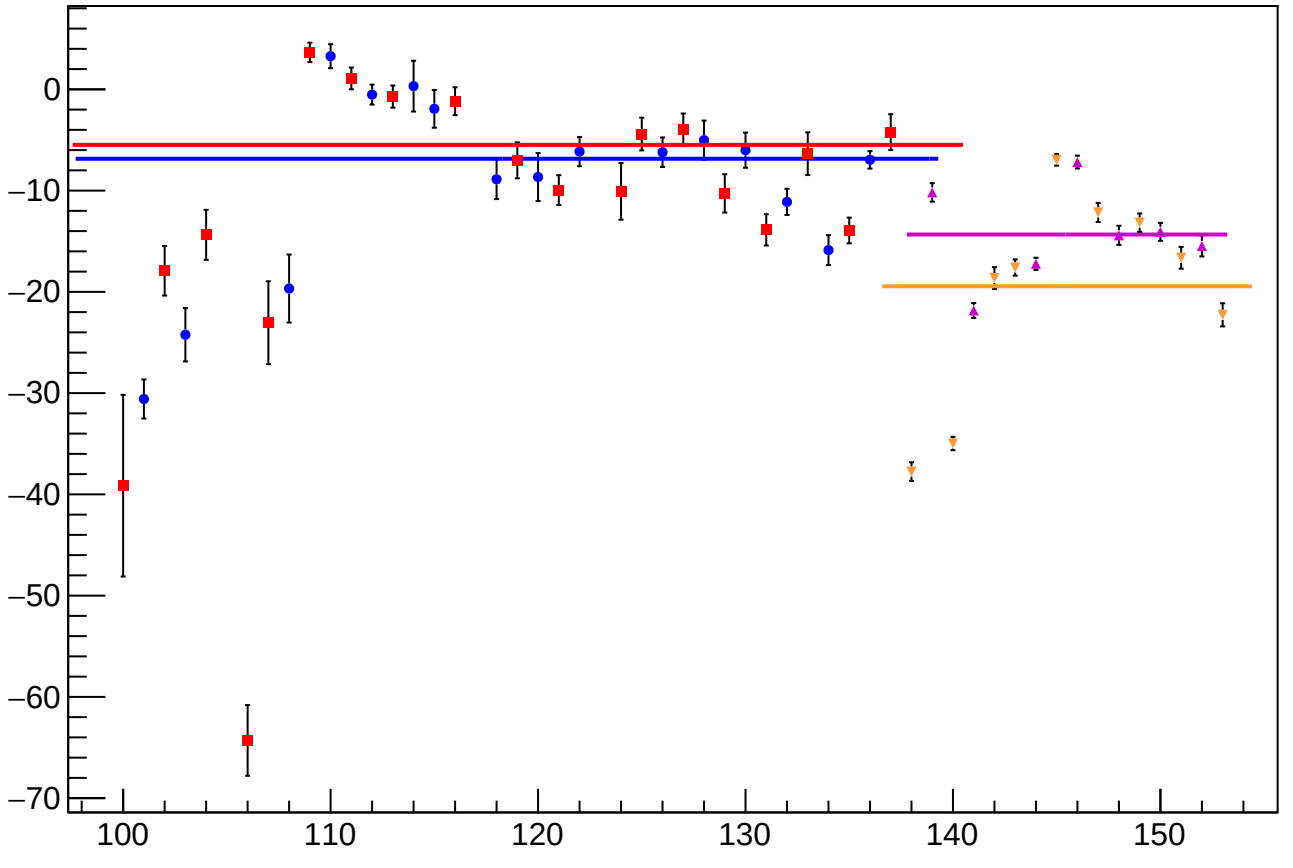
Left: 0.244+/-0.004 χ^2/NDF: 446.3/15

Right: 0.052+/-0.008 χ^2/NDF: 1426.1/34

In: 0.193+/-0.005 χ^2/NDF:892.4/22

Out: 0.206+/-0.005 χ^2/NDF:1474.2/27

All: 0.200+/-0.004 χ^2/NDF: 2369.9/50



Right In: -6.853+/-0.376 χ^2/NDF: 390.1/15

Left Out: -19.446+/-0.279 χ^2/NDF:1545.2/8

Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

Left In: -14.336+/-0.293 χ^2/NDF:276.6/6

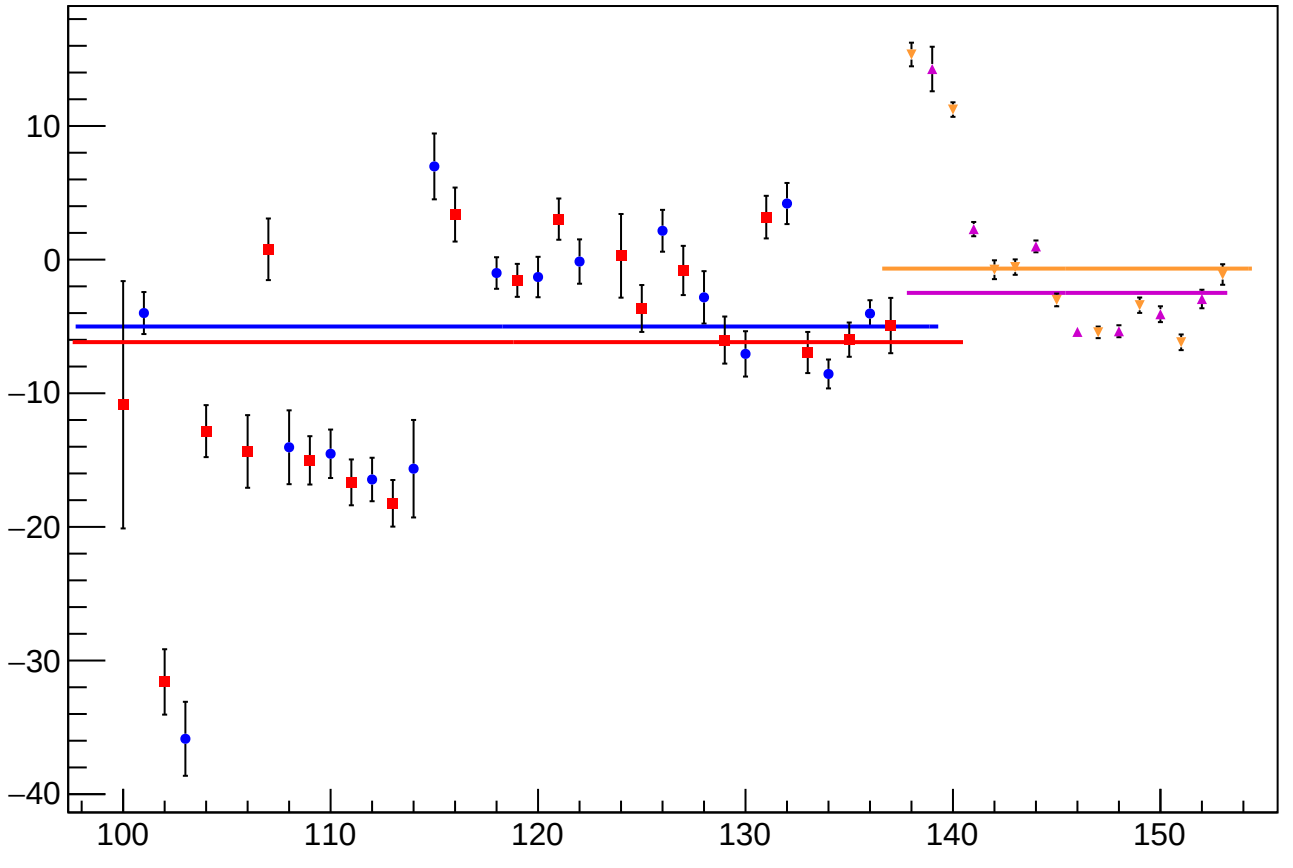
Left: -17.022+/-0.202 χ^2/NDF: 1981.3/15

Right: -6.155+/-0.263 χ^2/NDF: 1003.4/34

In: -11.500+/-0.231 χ^2/NDF:913.2/22

Out: -14.374+/-0.222 χ^2/NDF:3063.6/27

All: -12.993+/-0.160 χ^2/NDF: 4057.0/50



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: -0.671+/-0.192 χ^2/NDF:1062.6/8

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

Left In: -2.488+/-0.196 χ^2/NDF:351.7/6

Left: -1.562+/-0.137 χ^2/NDF: 1458.1/15

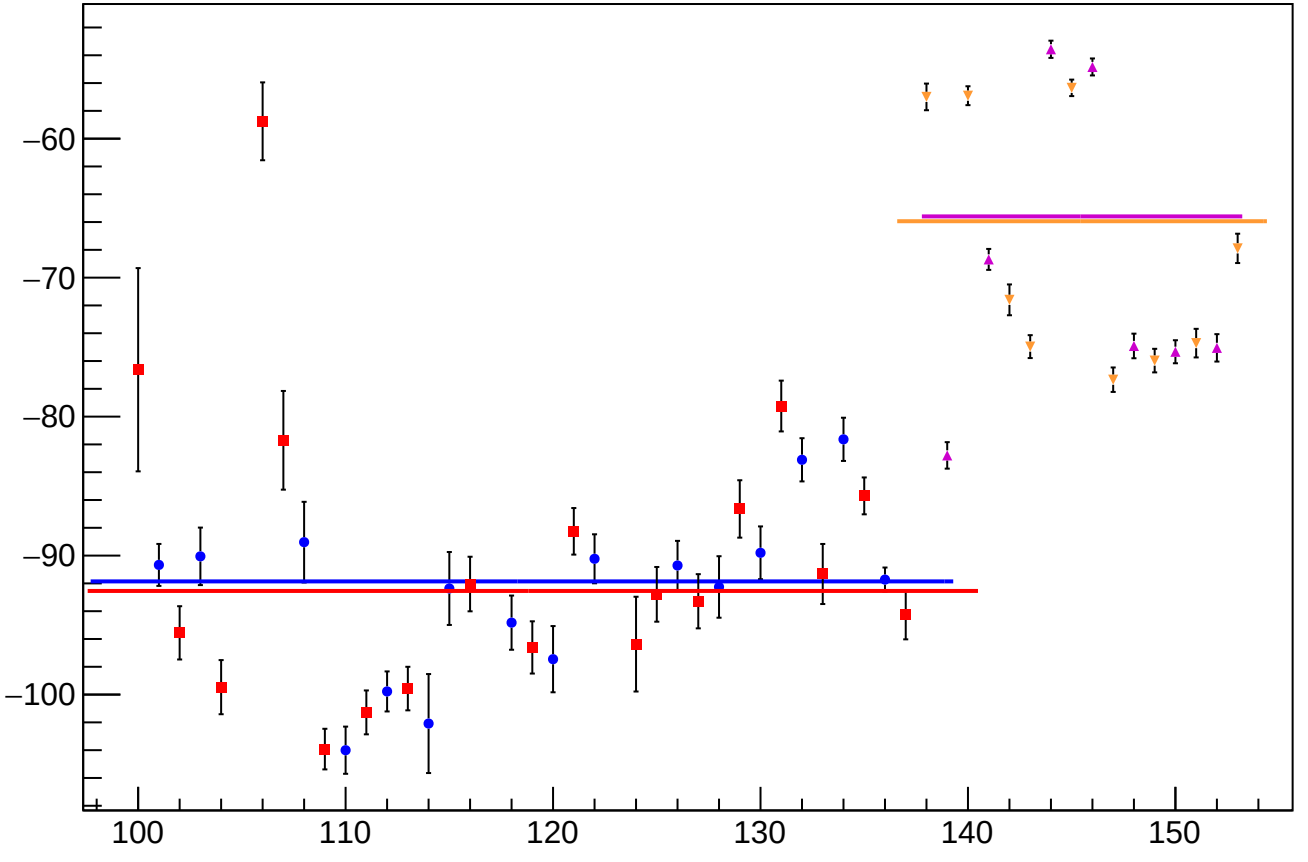
Right: -5.558+/-0.287 χ^2/NDF: 715.0/34

In: -2.986+/-0.176 χ^2/NDF:726.0/22

Out: -1.638+/-0.175 χ^2/NDF:1575.6/27

All: -2.308+/-0.124 χ^2/NDF: 2331.1/50

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: -65.941+/-0.278 χ^2/NDF:1055.7/8

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

Left In: -65.593+/-0.290 χ^2/NDF:1370.4/6

Left: -65.774+/-0.201 χ^2/NDF: 2426.9/15

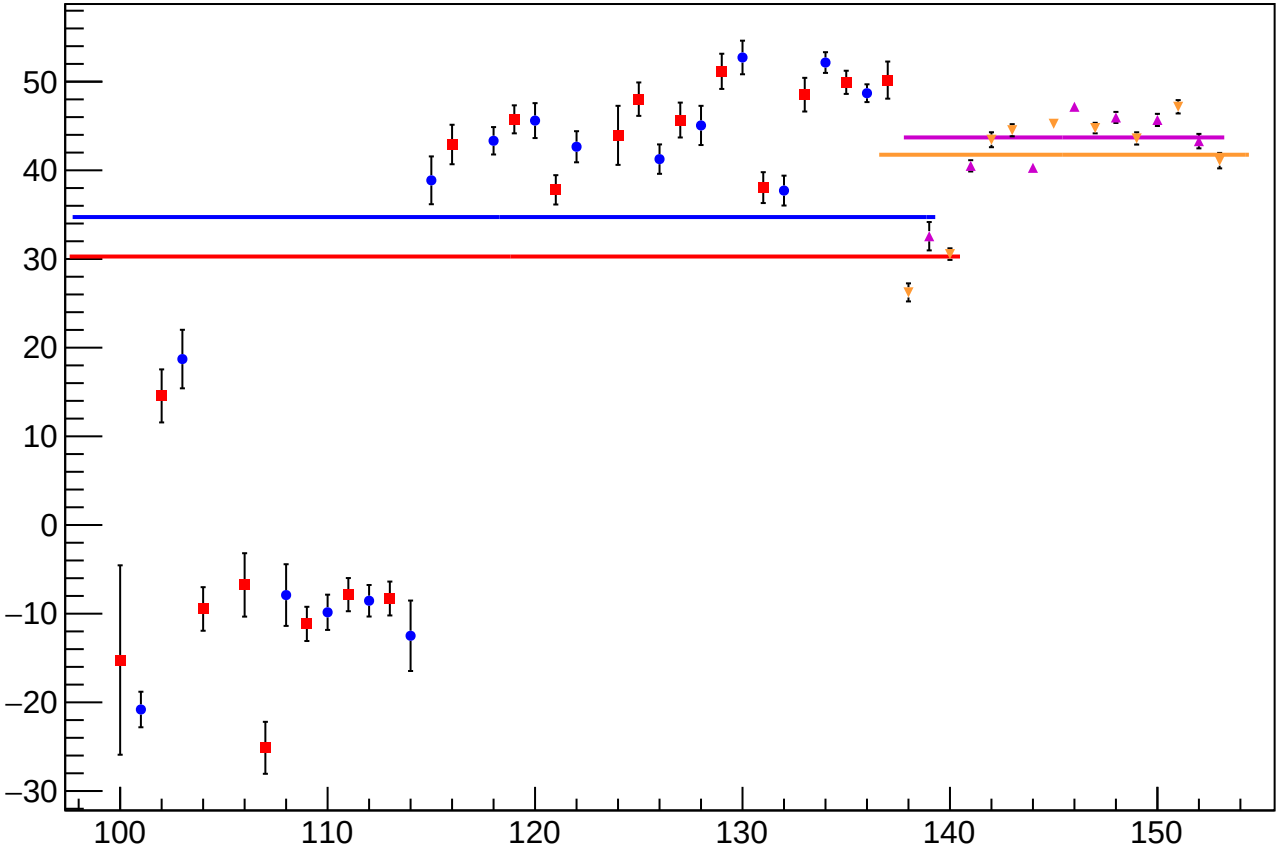
Right: -92.188+/-0.305 χ^2/NDF: 566.3/34

In: -73.954+/-0.239 χ^2/NDF:4162.4/22

Out: -73.561+/-0.235 χ^2/NDF:4060.9/27

All: -73.754+/-0.168 χ^2/NDF: 8224.7/50

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 41.758+/-0.234 χ^2/NDF:670.5/8

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

Left In: 43.709+/-0.241 χ^2/NDF:192.9/6

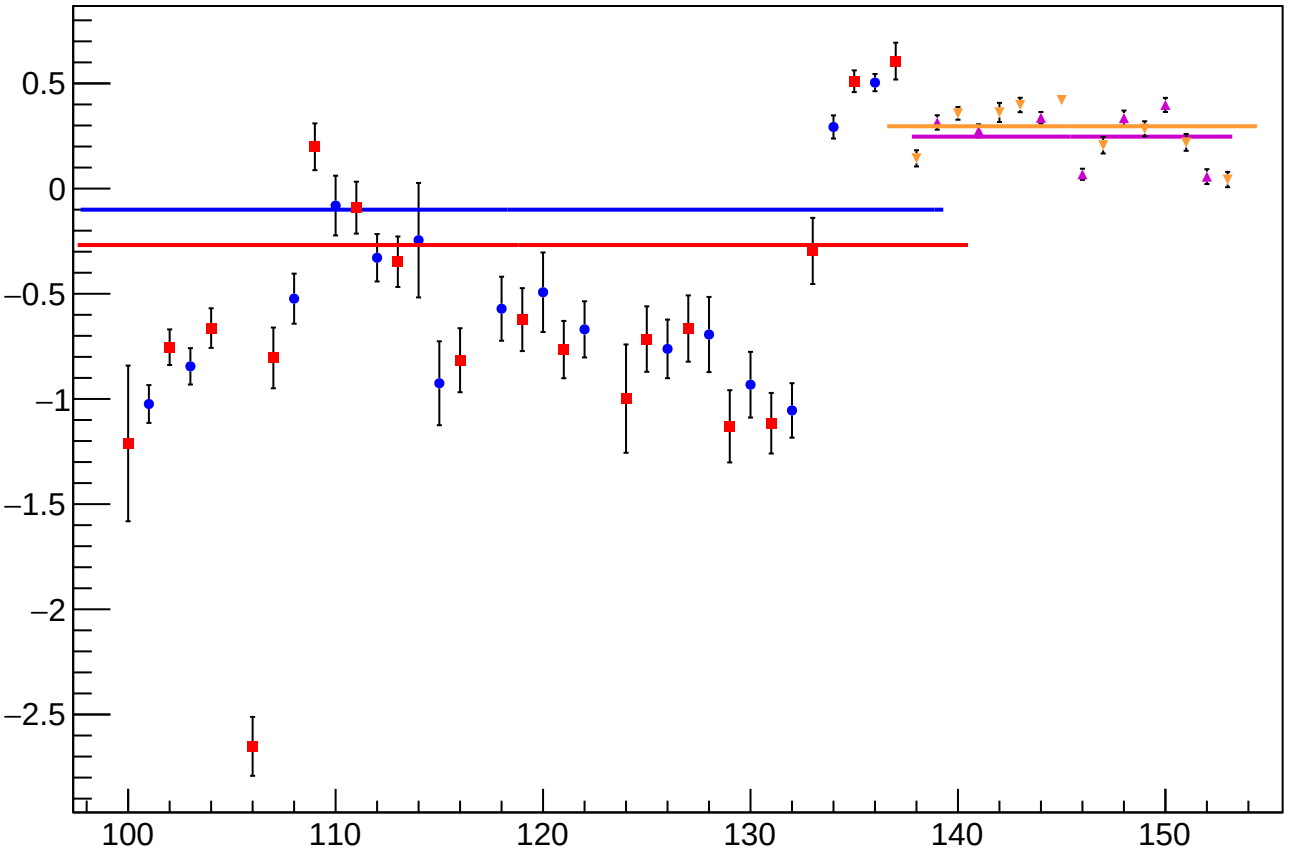
Left: 42.708+/-0.168 χ^2/NDF: 897.1/15

Right: 32.627+/-0.321 χ^2/NDF: 5768.2/34

In: 41.655+/-0.211 χ^2/NDF:3320.5/22

Out: 39.448+/-0.210 χ^2/NDF:4064.1/27

All: 40.542+/-0.149 χ^2/NDF: 7439.5/50



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.296+/-0.011 χ^2/NDF:116.2/8

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

Left In: 0.247+/-0.012 χ^2/NDF:116.0/6

Left: 0.273+/-0.008 χ^2/NDF: 241.3/15

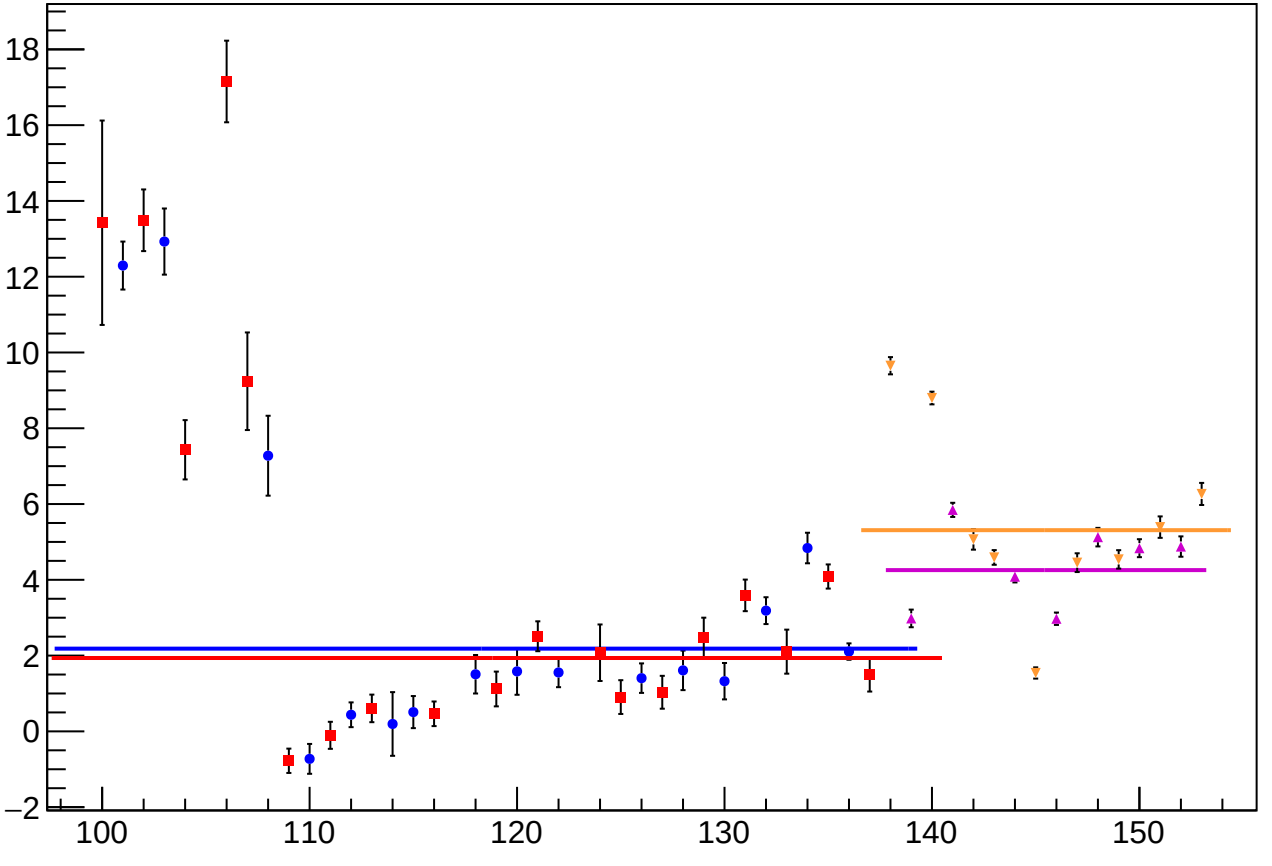
Right: -0.176+/-0.018 χ^2/NDF: 1476.0/34

In: 0.179+/-0.011 χ^2/NDF:915.5/22

Out: 0.208+/-0.010 χ^2/NDF:1325.9/27

All: 0.194+/-0.007 χ^2/NDF: 2245.1/50

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.184+/-0.105 χ^2/NDF: 599.3/15

Left Out: 5.310+/-0.071 χ^2/NDF:1486.7/8

Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

Left In: 4.256+/-0.075 χ^2/NDF:189.5/6

Left: 4.814+/-0.052 χ^2/NDF: 1779.5/15

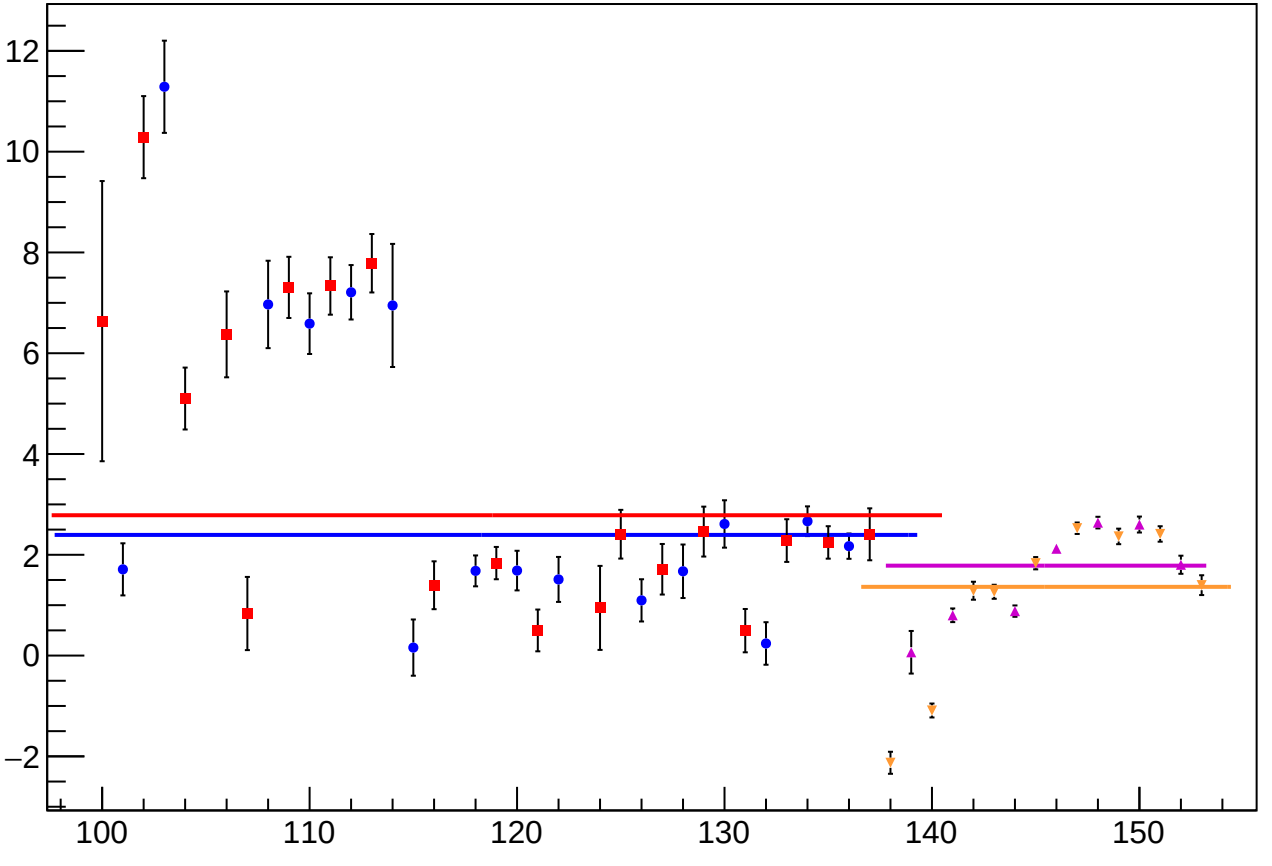
Right: 2.061+/-0.074 χ^2/NDF: 1319.2/34

In: 3.551+/-0.061 χ^2/NDF:1045.8/22

Out: 4.256+/-0.059 χ^2/NDF:2907.2/27

All: 3.917+/-0.042 χ^2/NDF: 4021.8/50

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.394+/-0.108 χ^2/NDF: 333.9/15

Left Out: 1.364+/-0.049 χ^2/NDF:779.2/8

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

Left In: 1.784+/-0.050 χ^2/NDF:227.1/6

Left: 1.570+/-0.035 χ^2/NDF: 1041.9/15

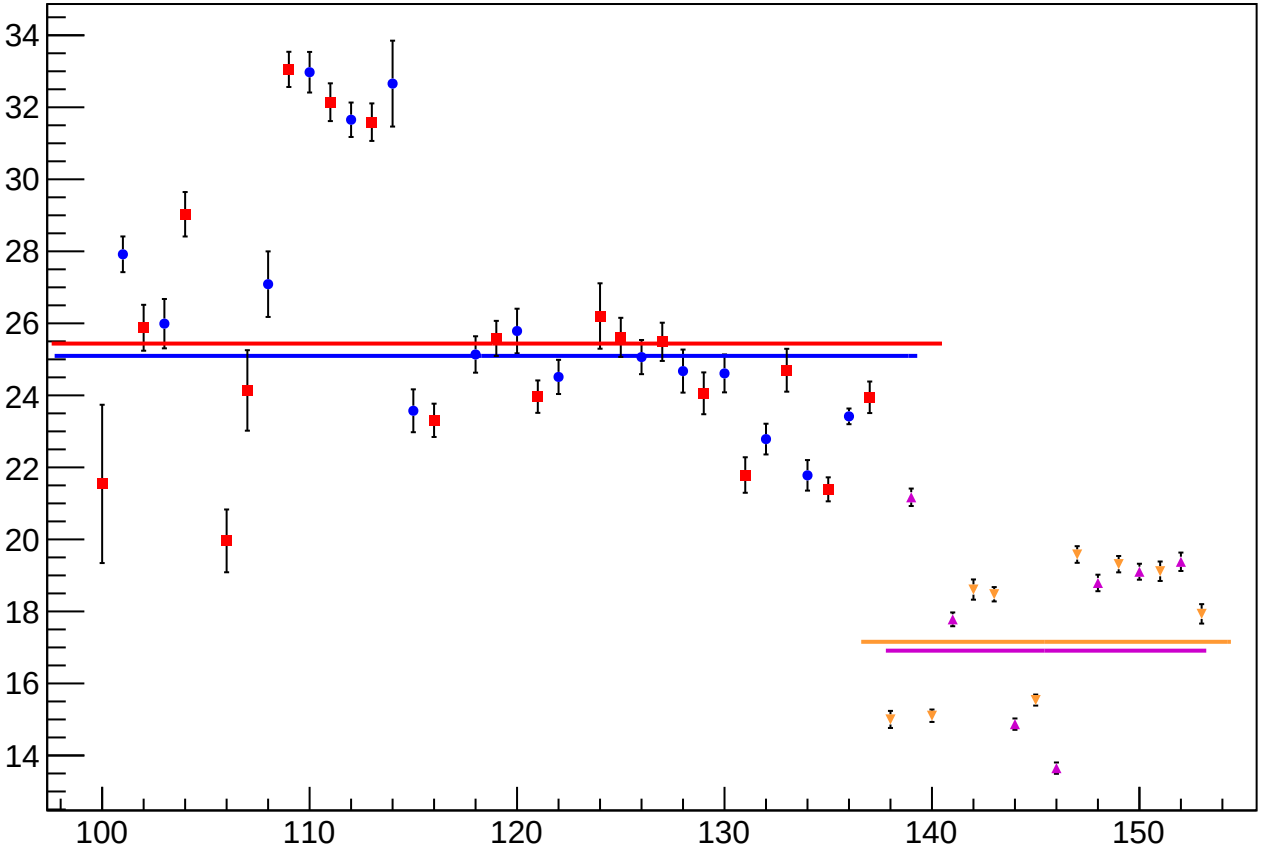
Right: 2.577+/-0.079 χ^2/NDF: 750.9/34

In: 1.892+/-0.046 χ^2/NDF:587.1/22

Out: 1.582+/-0.045 χ^2/NDF:1317.4/27

All: 1.736+/-0.032 χ^2/NDF: 1927.8/50

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: 17.156+/-0.071 χ^2/NDF:667.8/8

Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

Left In: 16.911+/-0.075 χ^2/NDF:1187.1/6

Left: 17.039+/-0.051 χ^2/NDF: 1860.6/15

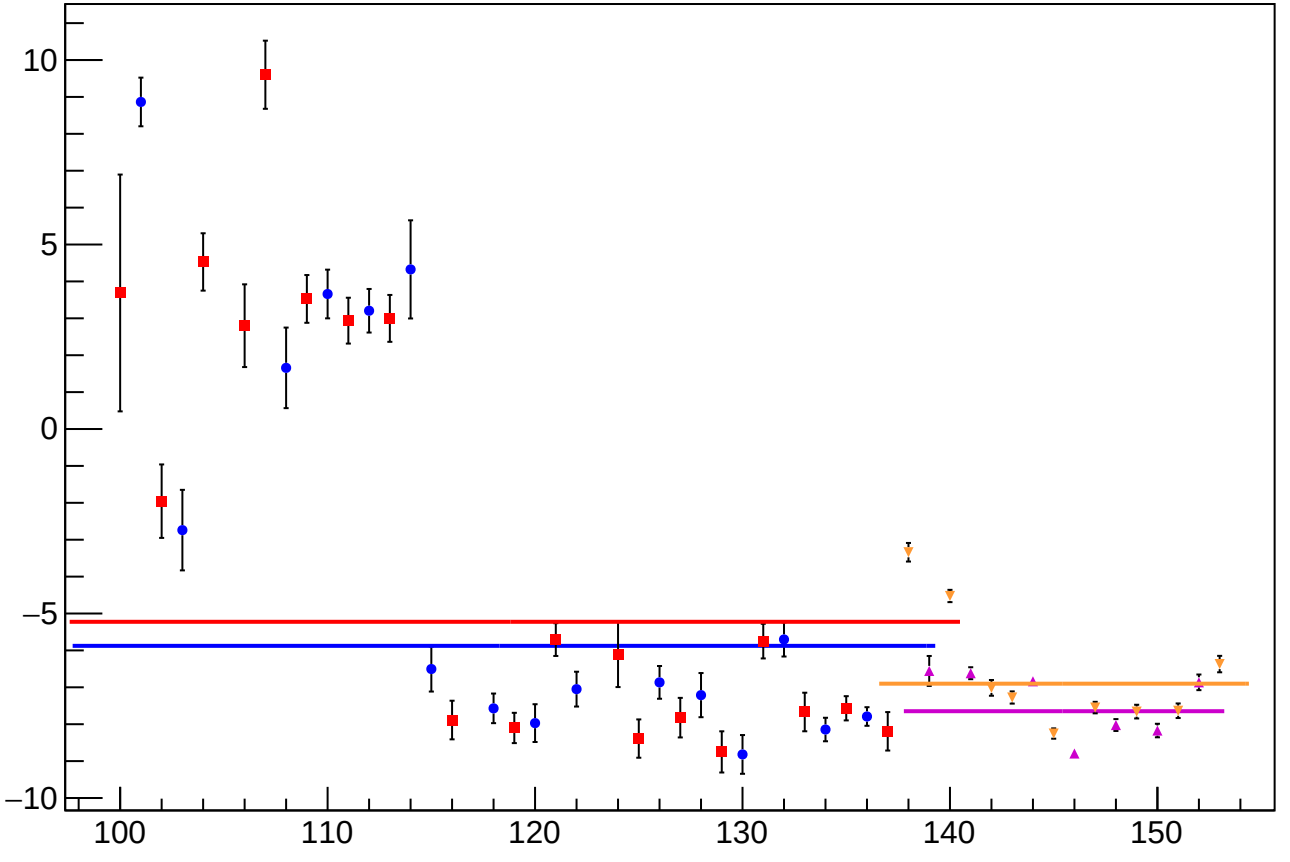
Right: 25.258+/-0.085 χ^2/NDF: 1504.5/34

In: 19.260+/-0.063 χ^2/NDF:5268.3/22

Out: 19.207+/-0.062 χ^2/NDF:4900.1/27

All: 19.233+/-0.044 χ^2/NDF: 10168.8/50

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: -6.902+/-0.060 χ^2/NDF:555.7/8

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

Left In: -7.647+/-0.062 χ^2/NDF:204.1/6

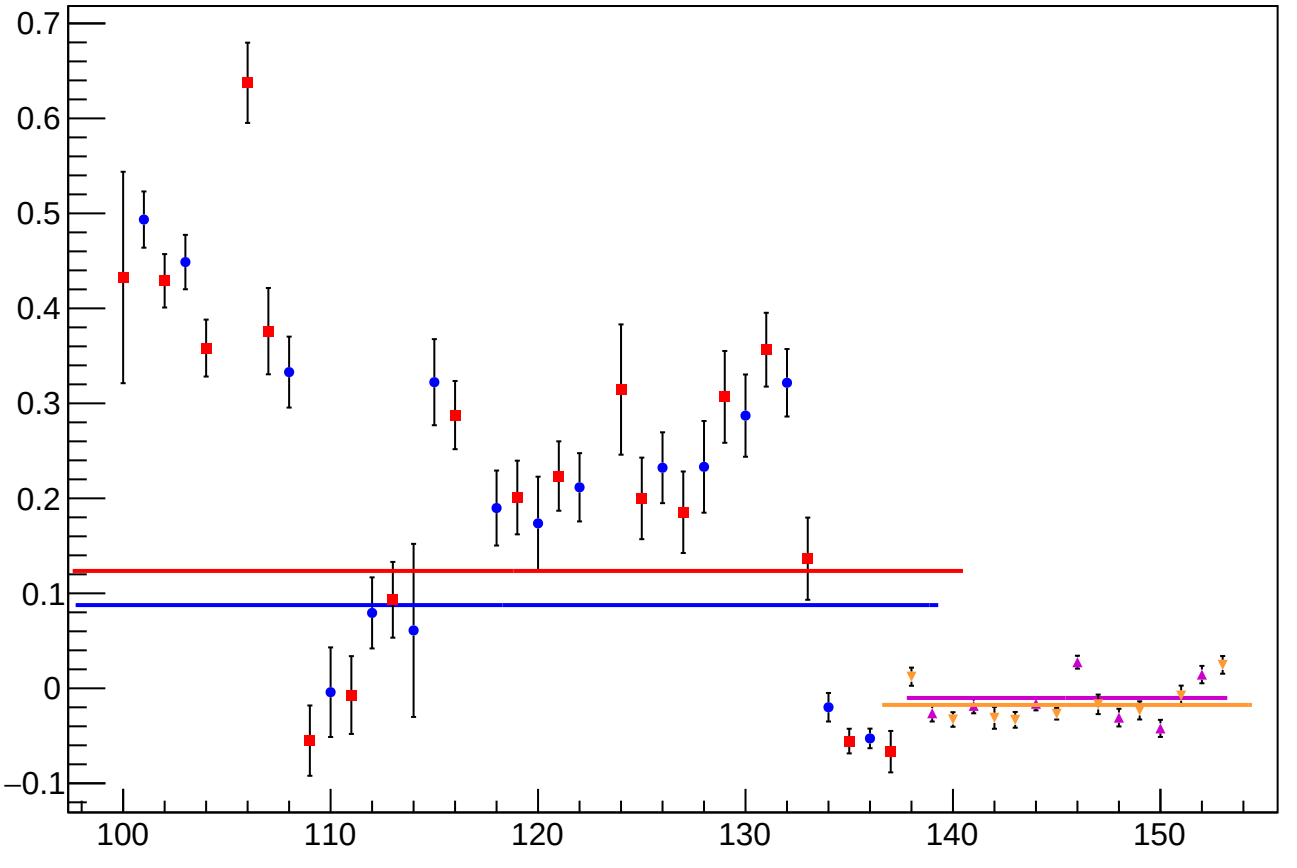
Left: -7.264+/-0.043 χ^2/NDF: 834.6/15

Right: -5.573+/-0.088 χ^2/NDF: 2556.9/34

In: -7.279+/-0.055 χ^2/NDF:1626.1/22

Out: -6.605+/-0.054 χ^2/NDF:1985.7/27

All: -6.939+/-0.039 χ^2/NDF: 3687.8/50



Right In: 0.088+/-0.007 χ^2/NDF: 768.0/15

Left Out: -0.017+/-0.003 χ^2/NDF:42.8/8

Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: -0.010+/-0.003 χ^2/NDF:60.9/6

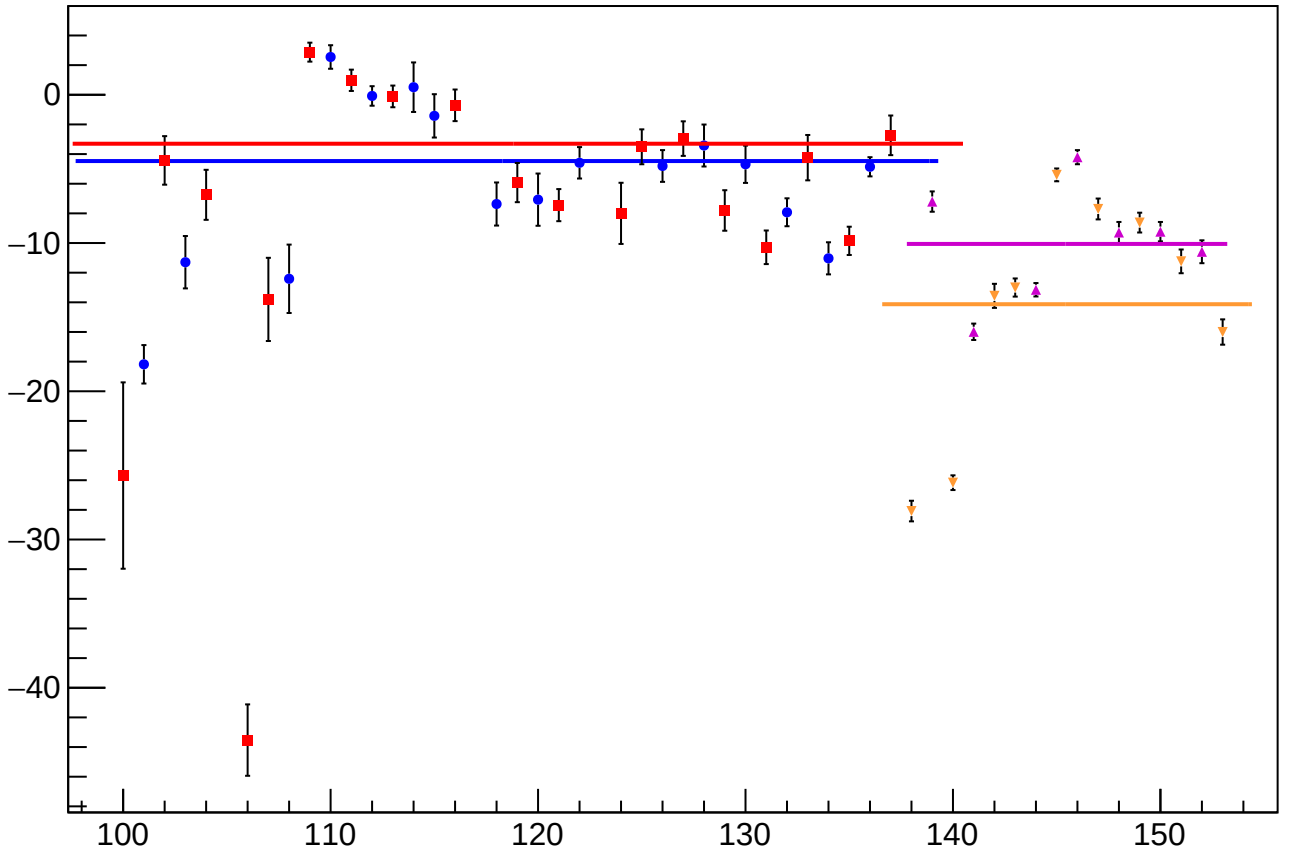
Left: -0.014+/-0.002 χ^2/NDF: 106.7/15

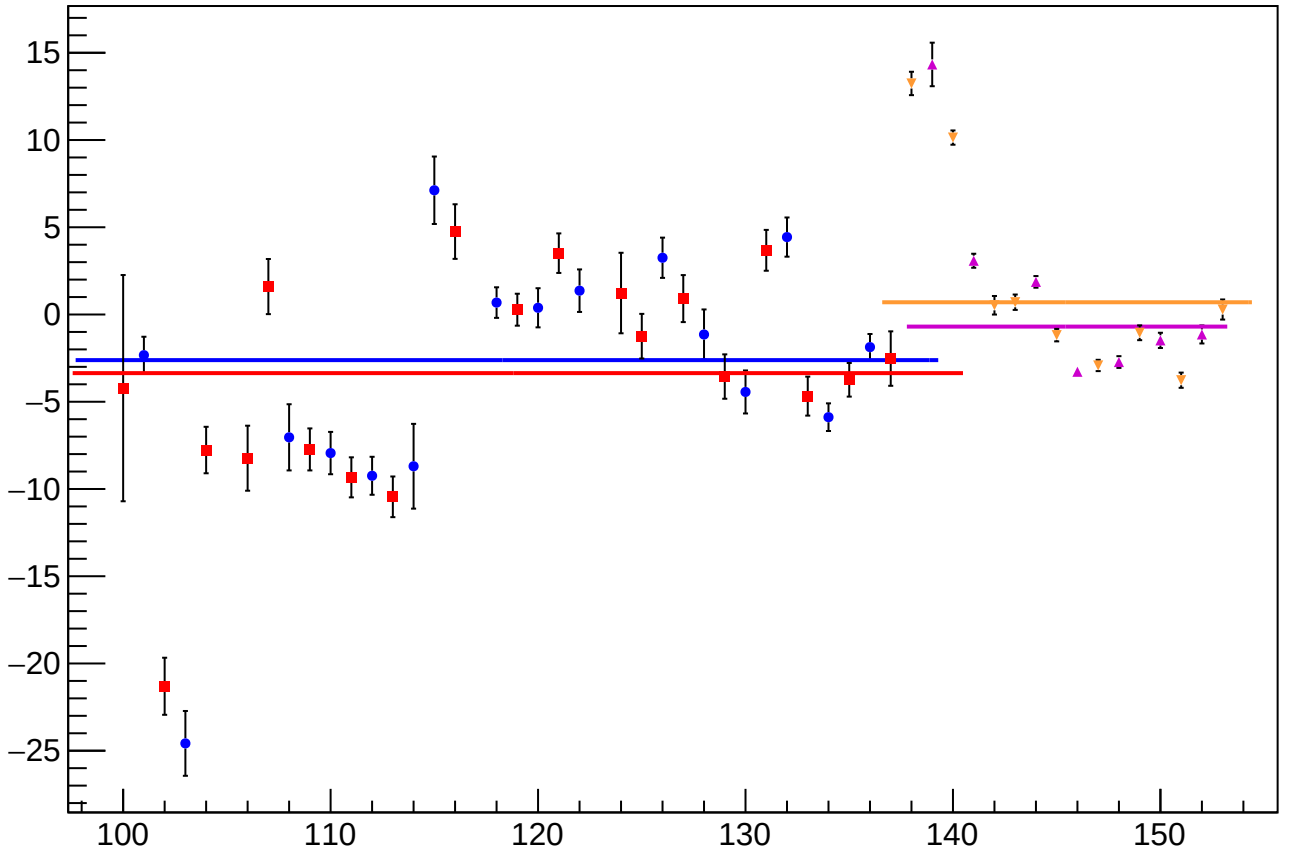
Right: 0.104+/-0.005 χ^2/NDF: 1543.6/34

In: 0.007+/-0.003 χ^2/NDF:1010.0/22

Out: 0.002+/-0.003 χ^2/NDF:1125.0/27

All: 0.004+/-0.002 χ^2/NDF: 2137.0/50


reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
100
110
120
130
140
150
Right In: -4.471+/-0.268 χ²/NDF: 331.8/15
Left Out: -14.128+/-0.209 χ²/NDF:1571.1/8
Right Out: -3.302+/-0.261 χ²/NDF: 584.6/18
Left In: -10.061+/-0.220 χ²/NDF:333.2/6
Left: -12.195+/-0.152 χ²/NDF: 2083.8/15
Right: -3.869+/-0.187 χ²/NDF: 926.1/34
In: -7.817+/-0.170 χ²/NDF:924.6/22
Out: -9.890+/-0.163 χ²/NDF:3204.0/27
All: -8.896+/-0.118 χ²/NDF: 4206.0/50



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 0.702+/-0.144 χ^2/NDF:1158.0/8

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

Left In: -0.693+/-0.147 χ^2/NDF:415.8/6

Left: 0.019+/-0.103 χ^2/NDF: 1619.6/15

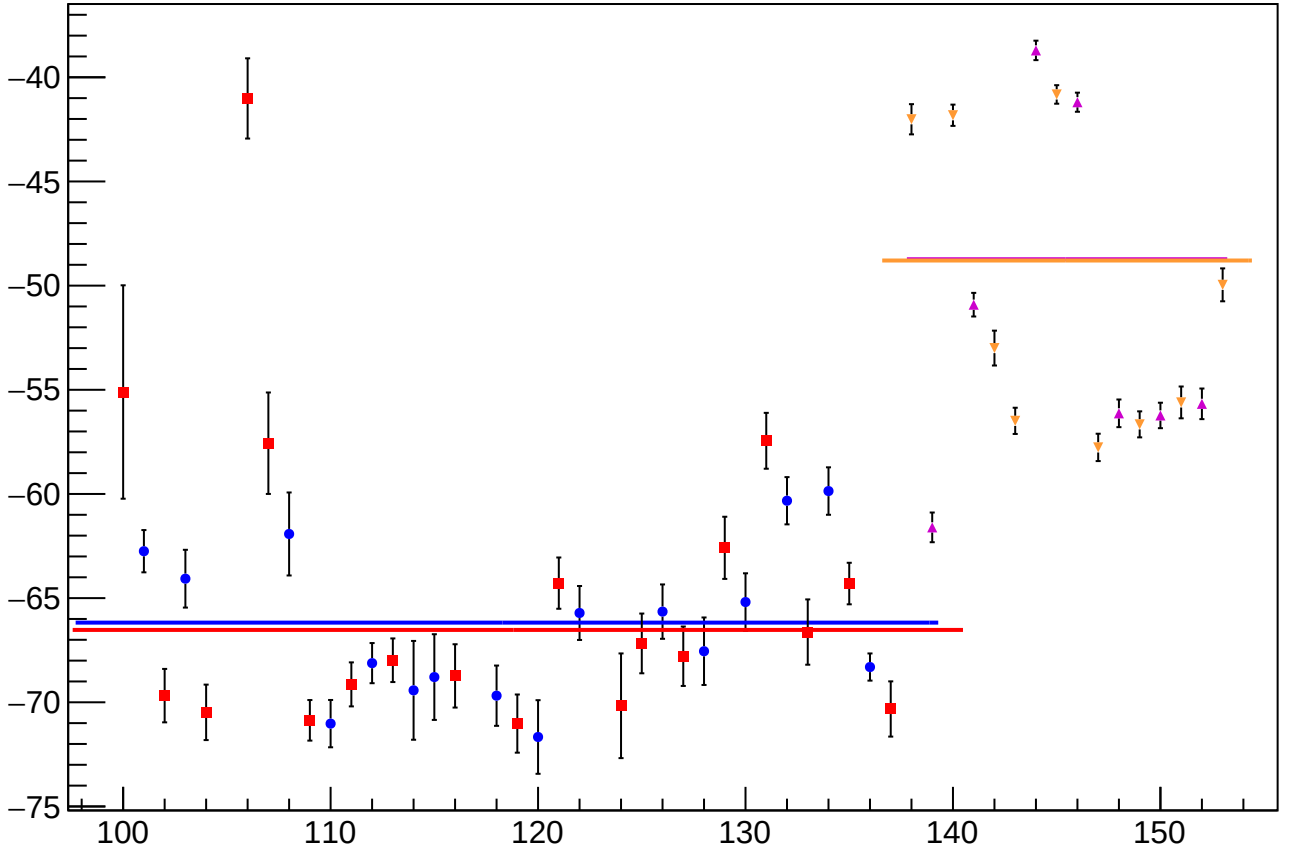
Right: -2.970+/-0.206 χ^2/NDF: 714.8/34

In: -1.097+/-0.131 χ^2/NDF:803.5/22

Out: -0.066+/-0.130 χ^2/NDF:1667.5/27

All: -0.577+/-0.092 χ^2/NDF: 2502.2/50

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: -48.794+/-0.209 χ^2/NDF:1197.2/8

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

Left In: -48.733+/-0.217 χ^2/NDF:1435.5/6

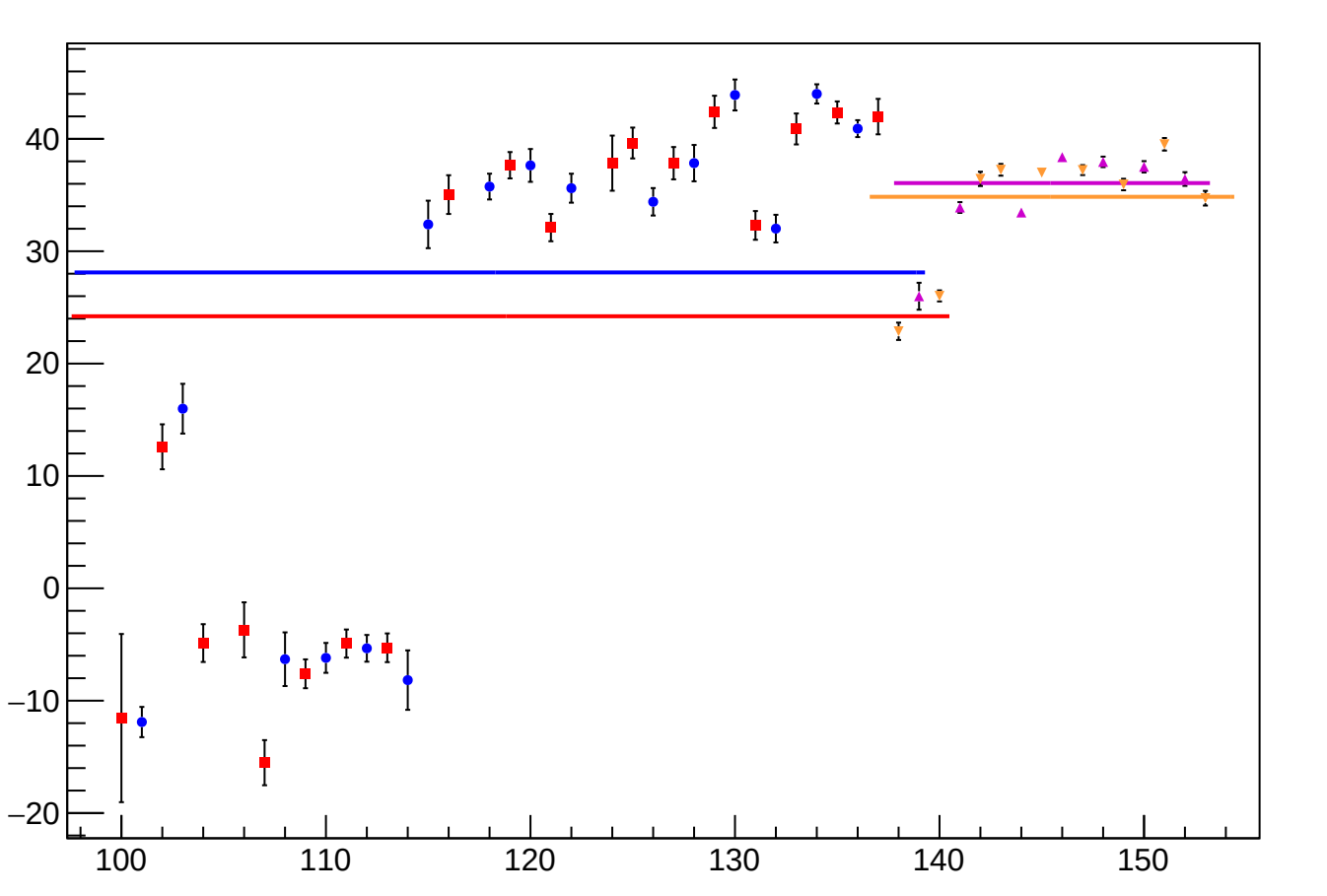
Left: -48.765+/-0.150 χ^2/NDF: 2632.7/15

Right: -66.346+/-0.218 χ^2/NDF: 451.5/34

In: -54.616+/-0.177 χ^2/NDF:3742.1/22

Out: -54.266+/-0.174 χ^2/NDF:3745.5/27

All: -54.437+/-0.124 χ^2/NDF: 7489.5/50



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 34.844+/-0.176 χ^2/NDF:719.4/8

Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 36.065+/-0.181 χ^2/NDF:203.0/6

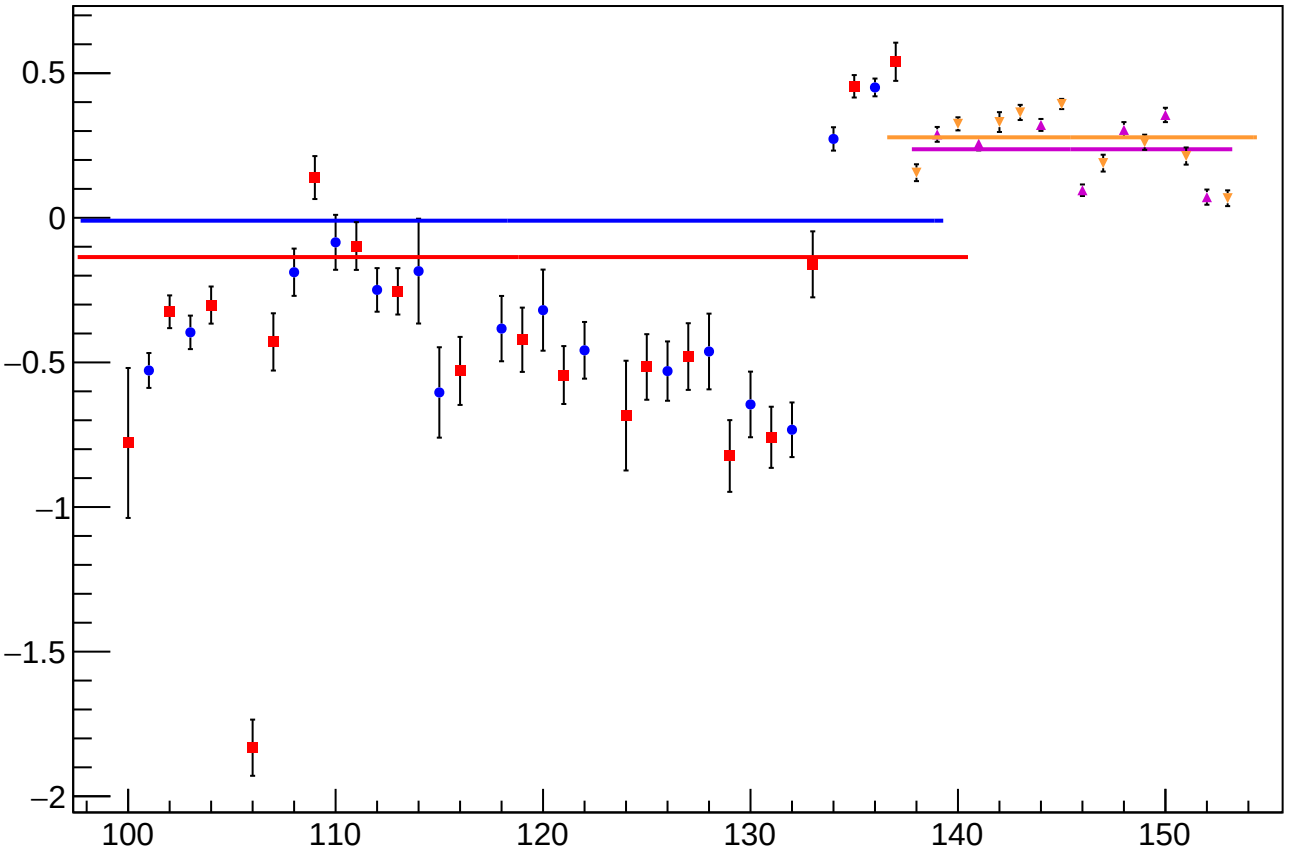
Left: 35.438+/-0.126 χ^2/NDF: 946.0/15

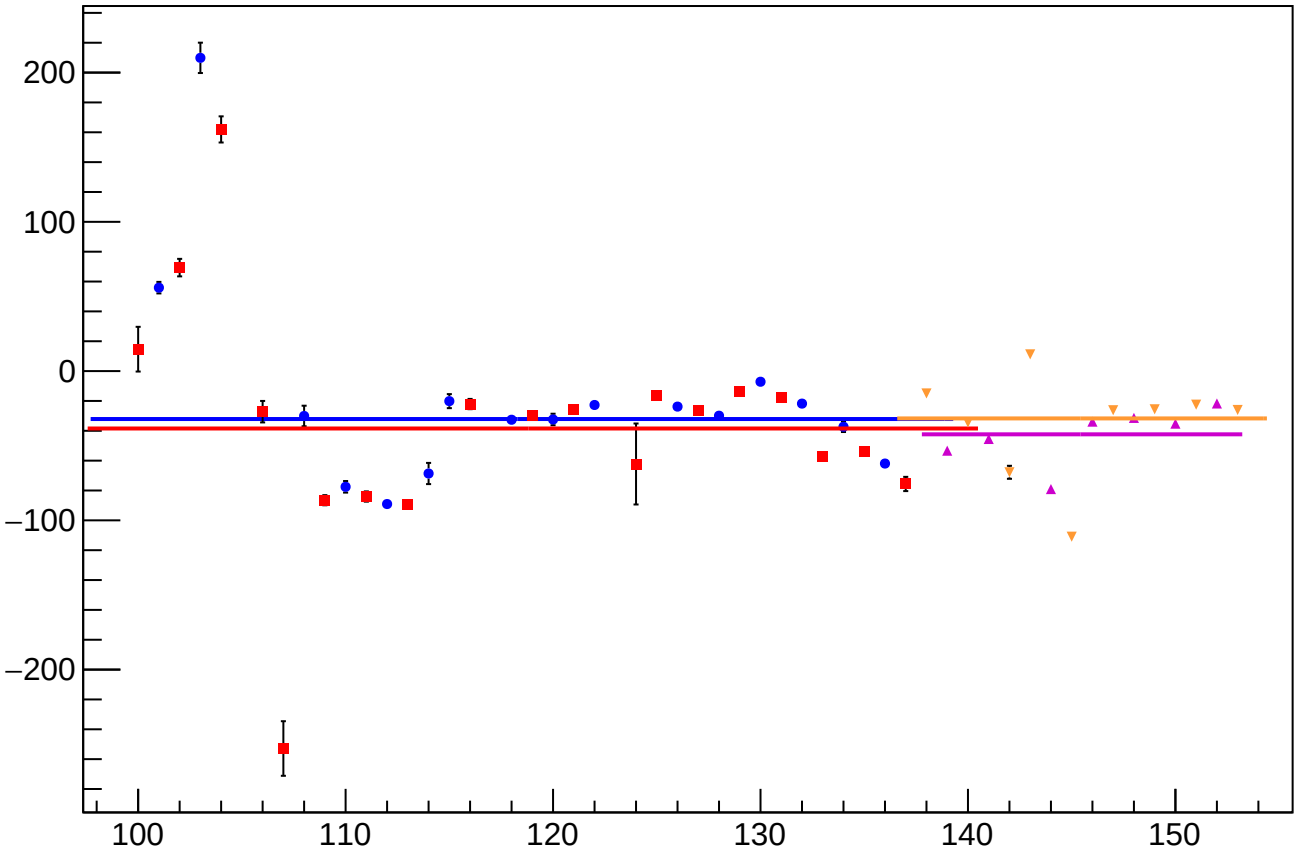
Right: 26.255+/-0.232 χ^2/NDF: 7640.1/34

In: 34.145+/-0.157 χ^2/NDF:4399.5/22

Out: 32.555+/-0.156 χ^2/NDF:5348.6/27

All: 33.342+/-0.111 χ^2/NDF: 9799.7/50


reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
Right In: -0.010+/-0.017 χ²/NDF: 587.4/15
Left Out: 0.278+/-0.009 χ²/NDF:152.0/8
Right Out: -0.136+/-0.019 χ²/NDF: 818.5/18
Left In: 0.237+/-0.009 χ²/NDF:140.6/6
Left: 0.258+/-0.006 χ²/NDF: 303.8/15
Right: -0.068+/-0.013 χ²/NDF: 1430.0/34
In: 0.186+/-0.008 χ²/NDF:888.9/22
Out: 0.208+/-0.008 χ²/NDF:1371.8/27
All: 0.197+/-0.006 χ²/NDF: 2264.7/50



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -31.713+/-0.976 χ^2/NDF:917.7/8

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

Left In: -42.366+/-1.035 χ^2/NDF:253.6/6

Left: -36.727+/-0.710 χ^2/NDF: 1227.4/15

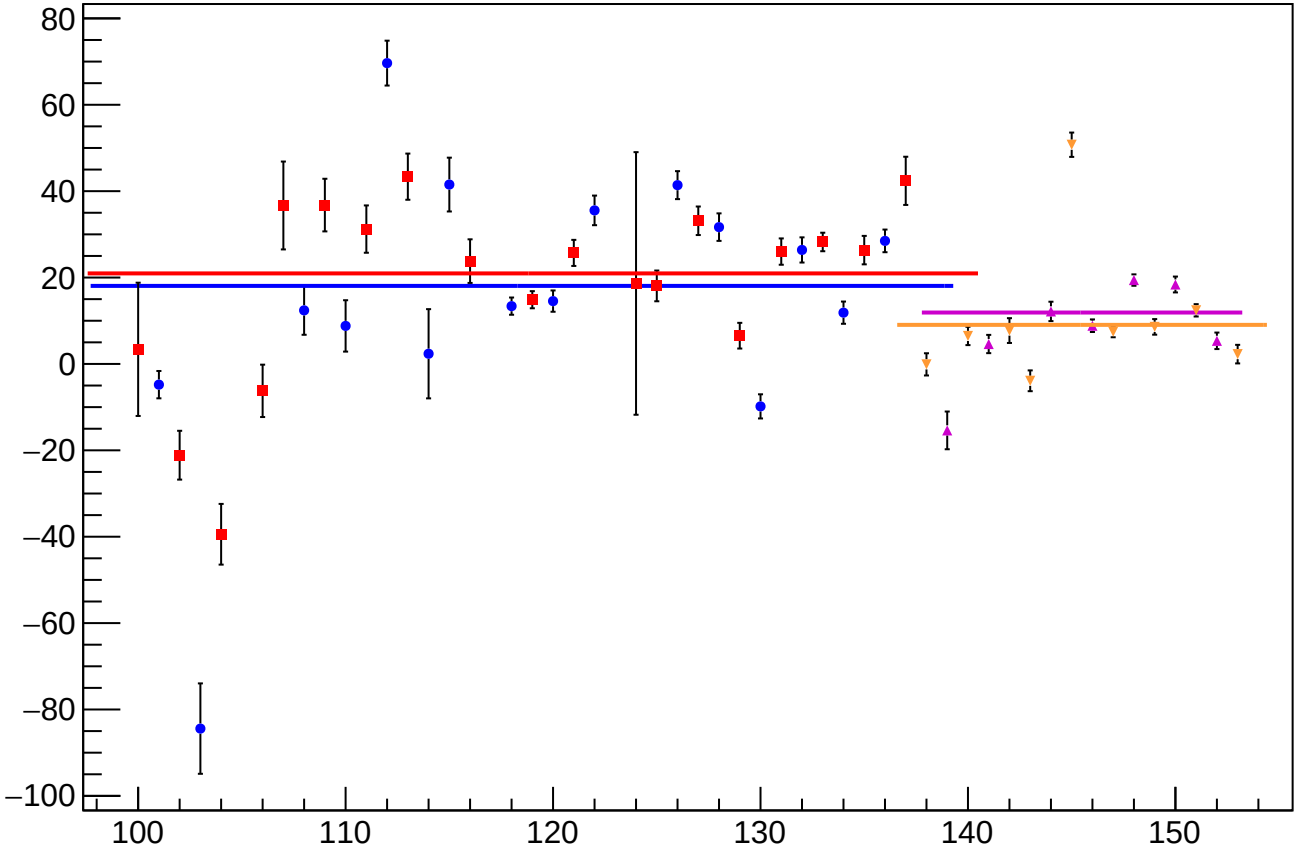
Right: -35.208+/-0.603 χ^2/NDF: 3877.6/34

In: -36.205+/-0.653 χ^2/NDF:2190.0/22

Out: -35.493+/-0.647 χ^2/NDF:2917.1/27

All: -35.846+/-0.460 χ^2/NDF: 5107.7/50

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 9.046+/-0.645 χ^2/NDF:279.7/8

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

Left In: 11.902+/-0.691 χ^2/NDF:112.0/6

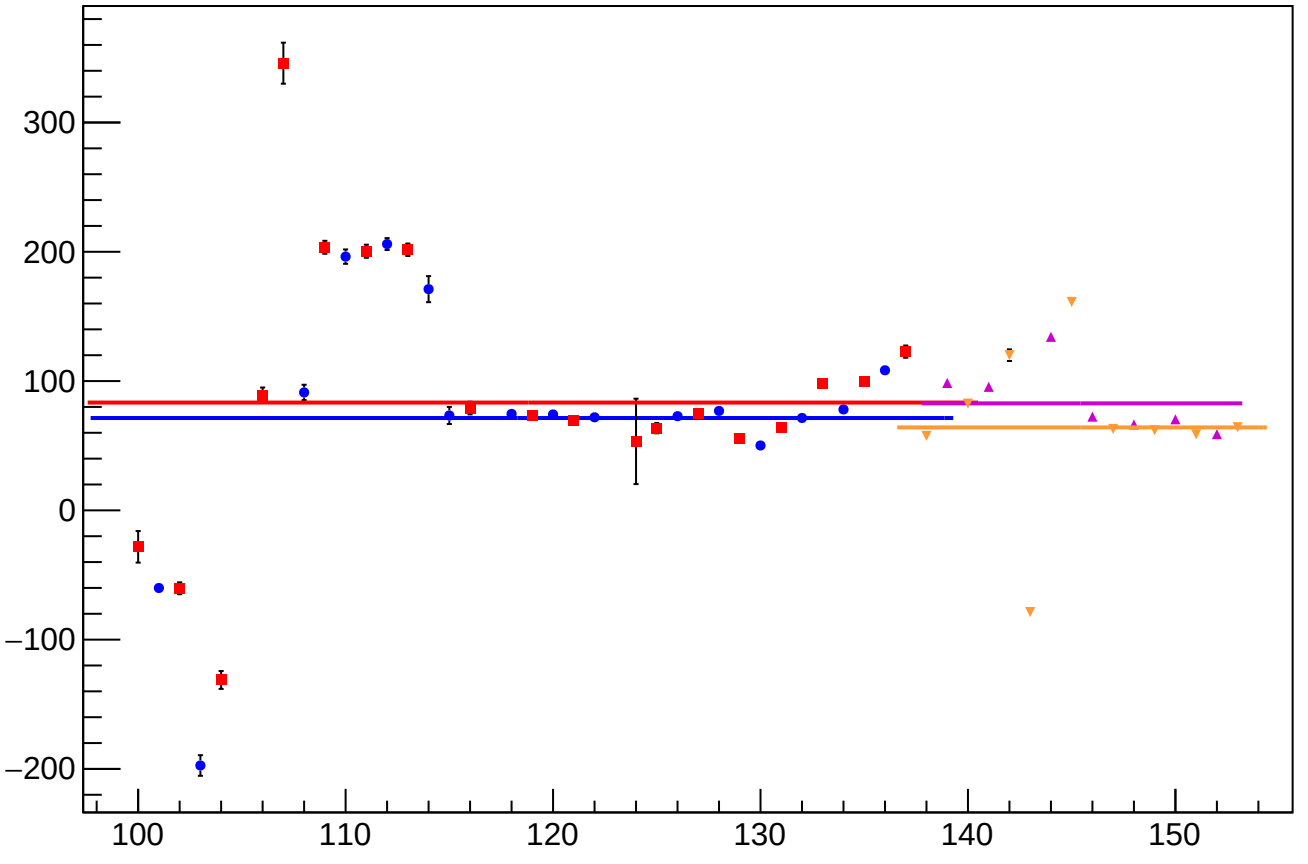
Left: 10.374+/-0.472 χ^2/NDF: 400.8/15

Right: 19.435+/-0.597 χ^2/NDF: 768.0/34

In: 14.455+/-0.529 χ^2/NDF:644.5/22

Out: 13.278+/-0.518 χ^2/NDF:663.6/27

All: 13.853+/-0.370 χ^2/NDF: 1310.7/50



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 64.151+/-0.960 χ^2/NDF:2876.0/8

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

Left In: 82.761+/-1.014 χ^2/NDF:485.3/6

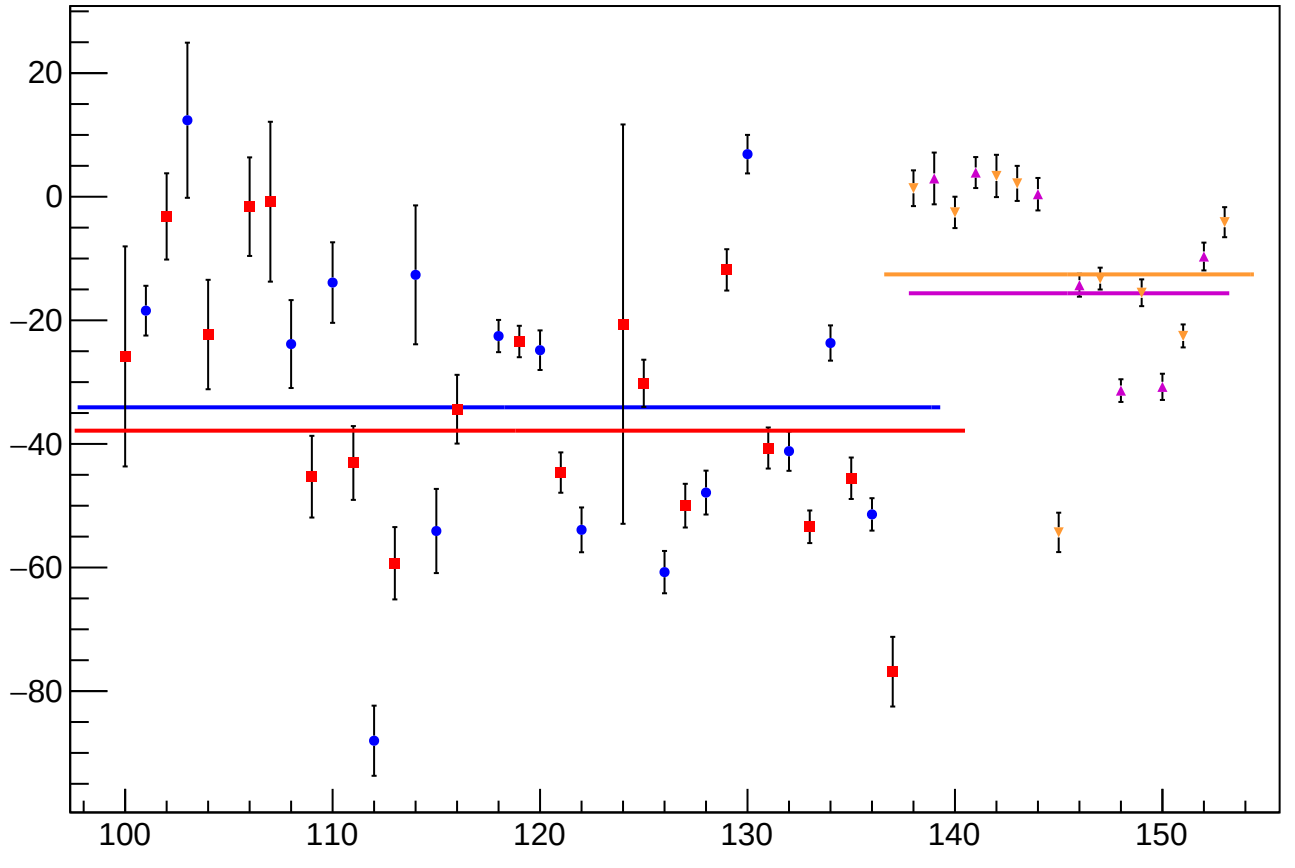
Left: 72.945+/-0.697 χ^2/NDF: 3538.8/15

Right: 77.066+/-0.677 χ^2/NDF: 9194.8/34

In: 76.607+/-0.686 χ^2/NDF:5372.7/22

Out: 73.520+/-0.688 χ^2/NDF:7368.8/27

All: 75.067+/-0.486 χ^2/NDF: 12751.6/50



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -12.567+/-0.797 χ^2/NDF:301.8/8

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

Left In: -15.624+/-0.855 χ^2/NDF:249.6/6

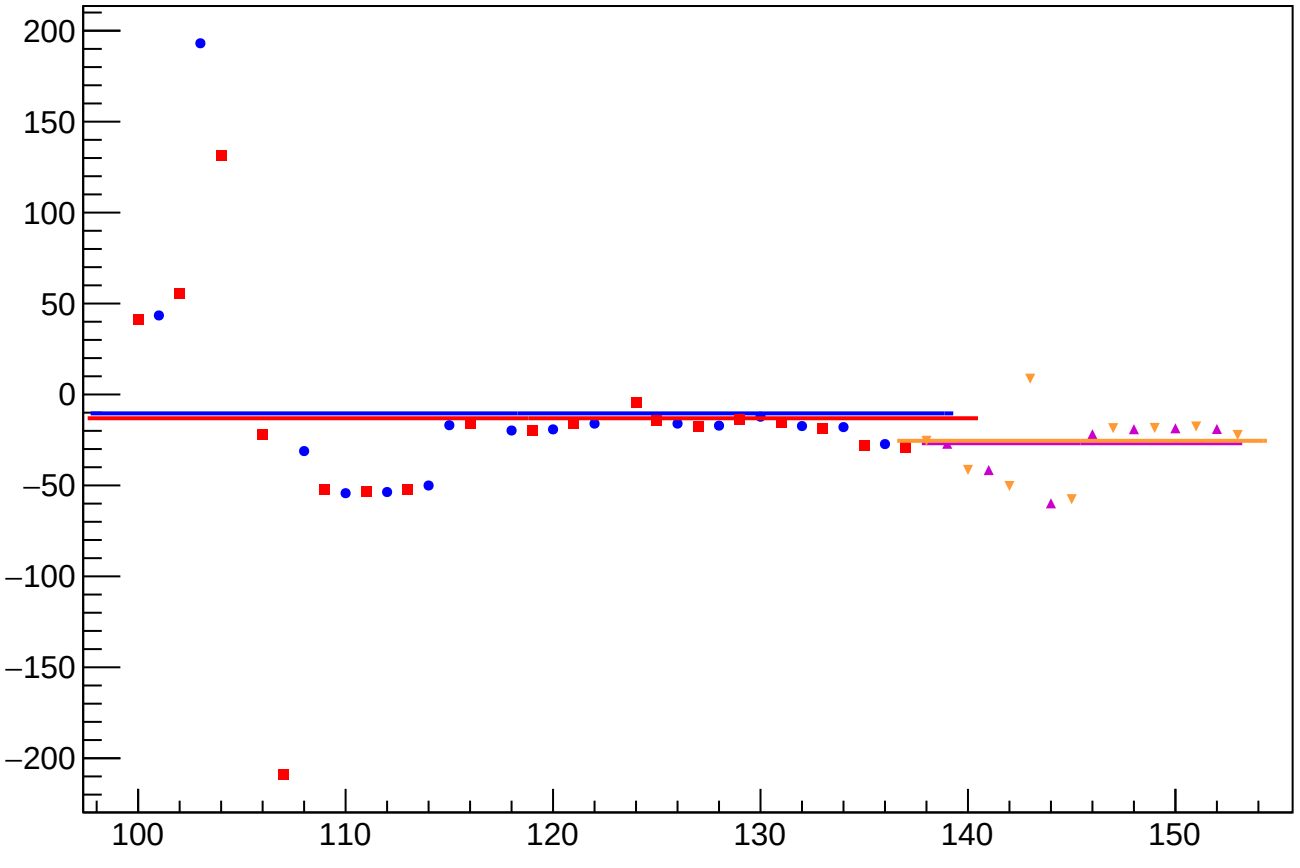
Left: -13.988+/-0.583 χ^2/NDF: 558.3/15

Right: -35.865+/-0.684 χ^2/NDF: 793.4/34

In: -23.957+/-0.633 χ^2/NDF:971.2/22

Out: -22.466+/-0.622 χ^2/NDF:970.5/27

All: -23.198+/-0.444 χ^2/NDF: 1944.5/50



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -25.470+/-0.039 χ^2/NDF:173495.9/8

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

Left In: -26.796+/-0.040 χ^2/NDF:90929.3/6

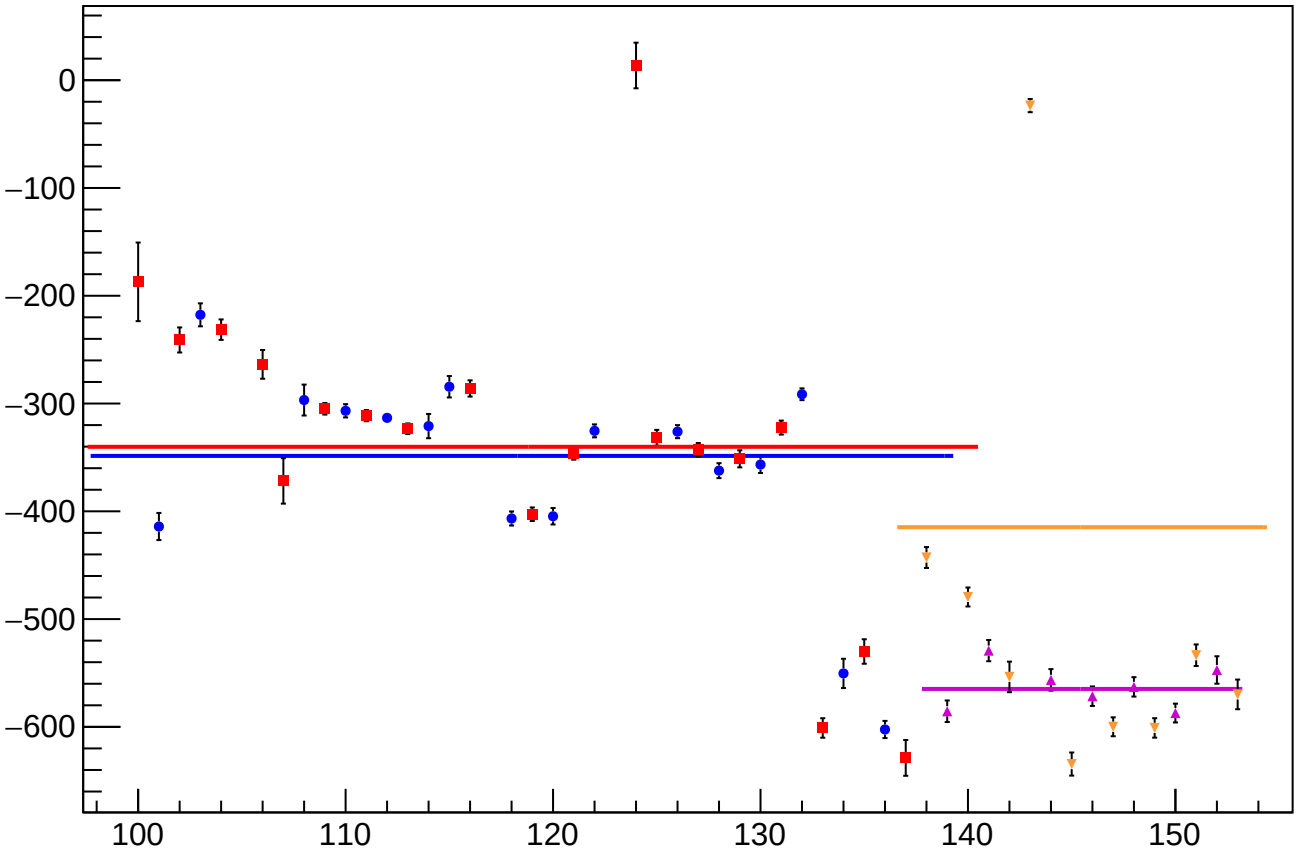
Left: -26.110+/-0.028 χ^2/NDF: 264989.4/15

Right: -11.607+/-0.042 χ^2/NDF: 972944.0/34

In: -21.338+/-0.033 χ^2/NDF:668809.5/22

Out: -22.036+/-0.033 χ^2/NDF:651439.0/27

All: -21.685+/-0.023 χ^2/NDF: 1320474.1/50



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -414.724+/-3.093 χ^2/NDF:5801.4/8

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

Left In: -564.805+/-3.674 χ^2/NDF:27.1/6

Left: -476.985+/-2.366 χ^2/NDF: 6805.0/15

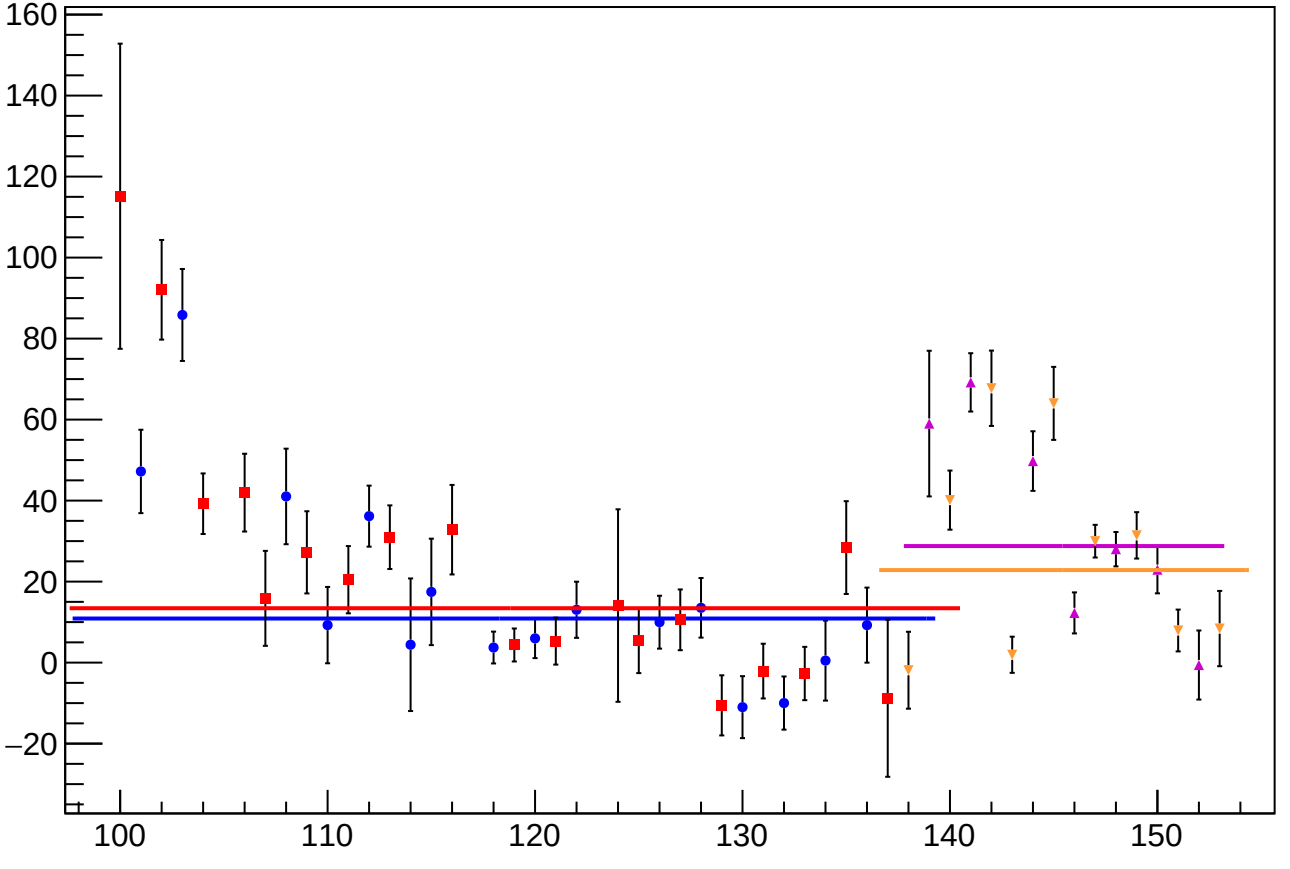
Right: -344.211+/-1.267 χ^2/NDF: 4066.5/34

In: -391.369+/-1.634 χ^2/NDF:4663.8/22

Out: -358.373+/-1.529 χ^2/NDF:8437.7/27

All: -373.779+/-1.117 χ^2/NDF: 13318.8/50

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 22.844+/-2.021 χ^2/NDF:94.6/8

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

Left In: 28.777+/-2.368 χ^2/NDF:66.0/6

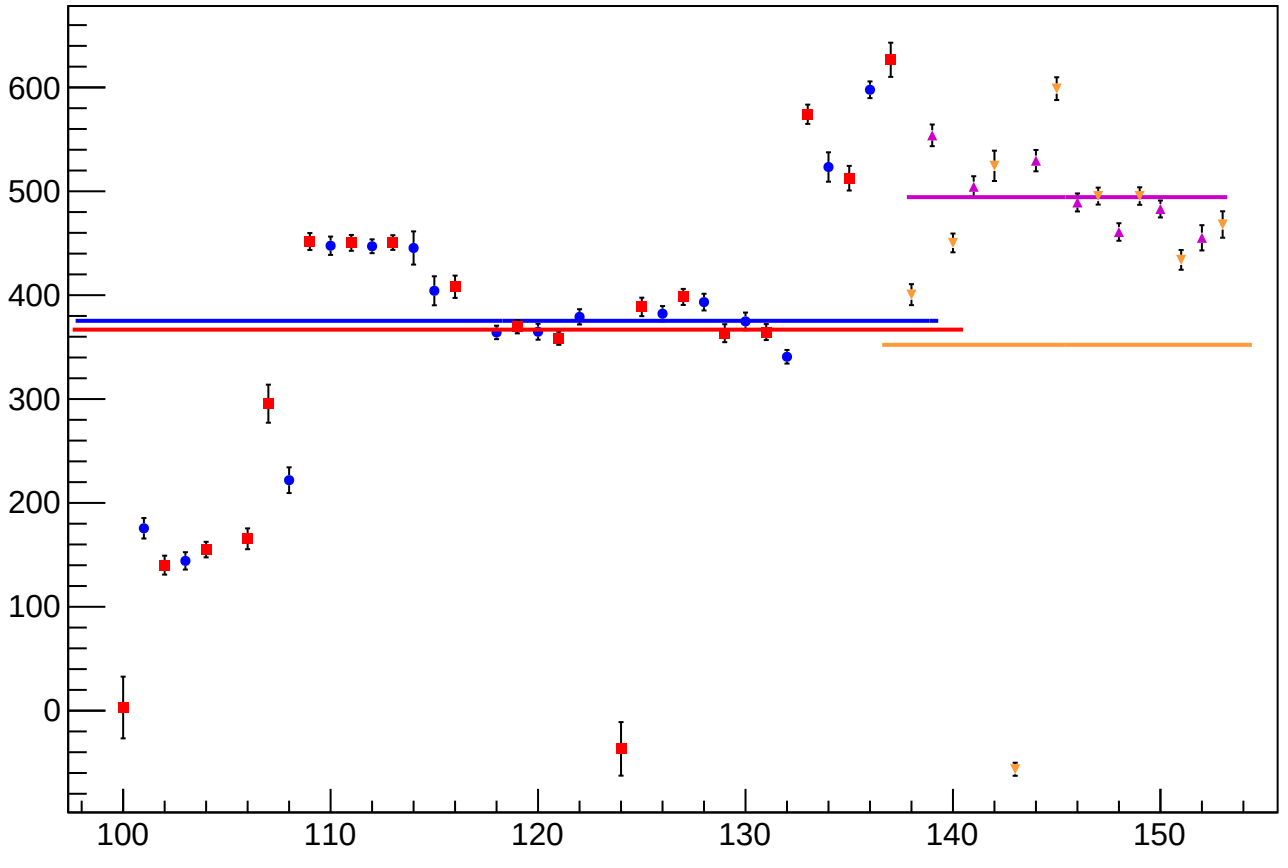
Left: 25.344+/-1.537 χ^2/NDF: 164.2/15

Right: 12.149+/-1.307 χ^2/NDF: 211.6/34

In: 17.635+/-1.454 χ^2/NDF:199.8/22

Out: 17.732+/-1.366 χ^2/NDF:218.8/27

All: 17.687+/-0.996 χ^2/NDF: 418.5/50



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 352.203+/-3.064 χ^2/NDF:5748.6/8

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

Left In: 494.387+/-3.589 χ^2/NDF:73.7/6

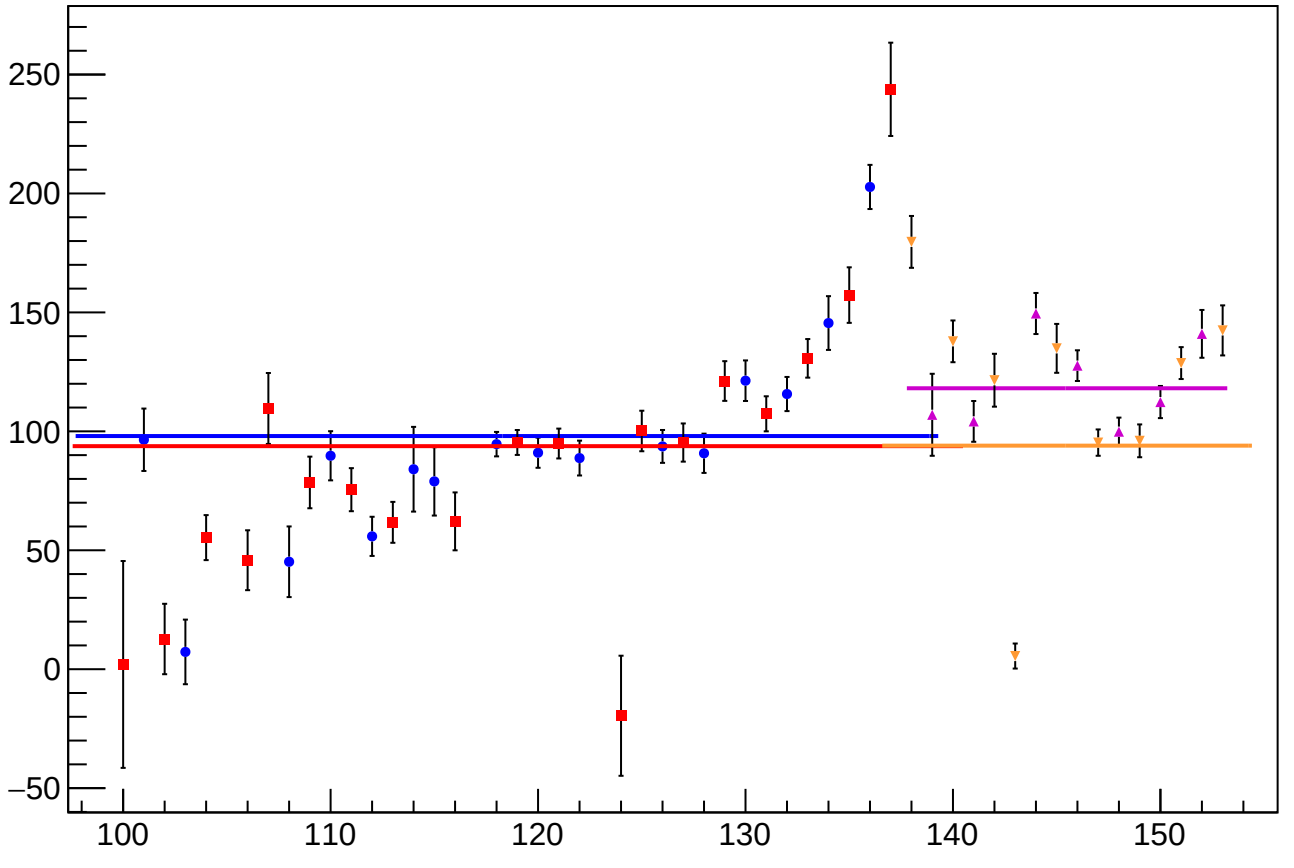
Left: 412.140+/-2.330 χ^2/NDF: 6730.0/15

Right: 370.966+/-1.468 χ^2/NDF: 5998.9/34

In: 405.743+/-1.814 χ^2/NDF:3342.4/22

Out: 362.309+/-1.704 χ^2/NDF:9305.4/27

All: 382.659+/-1.242 χ^2/NDF: 12952.4/50



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 93.986+/-2.500 χ^2/NDF:439.2/8

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

Left In: 118.108+/-2.951 χ^2/NDF:33.9/6

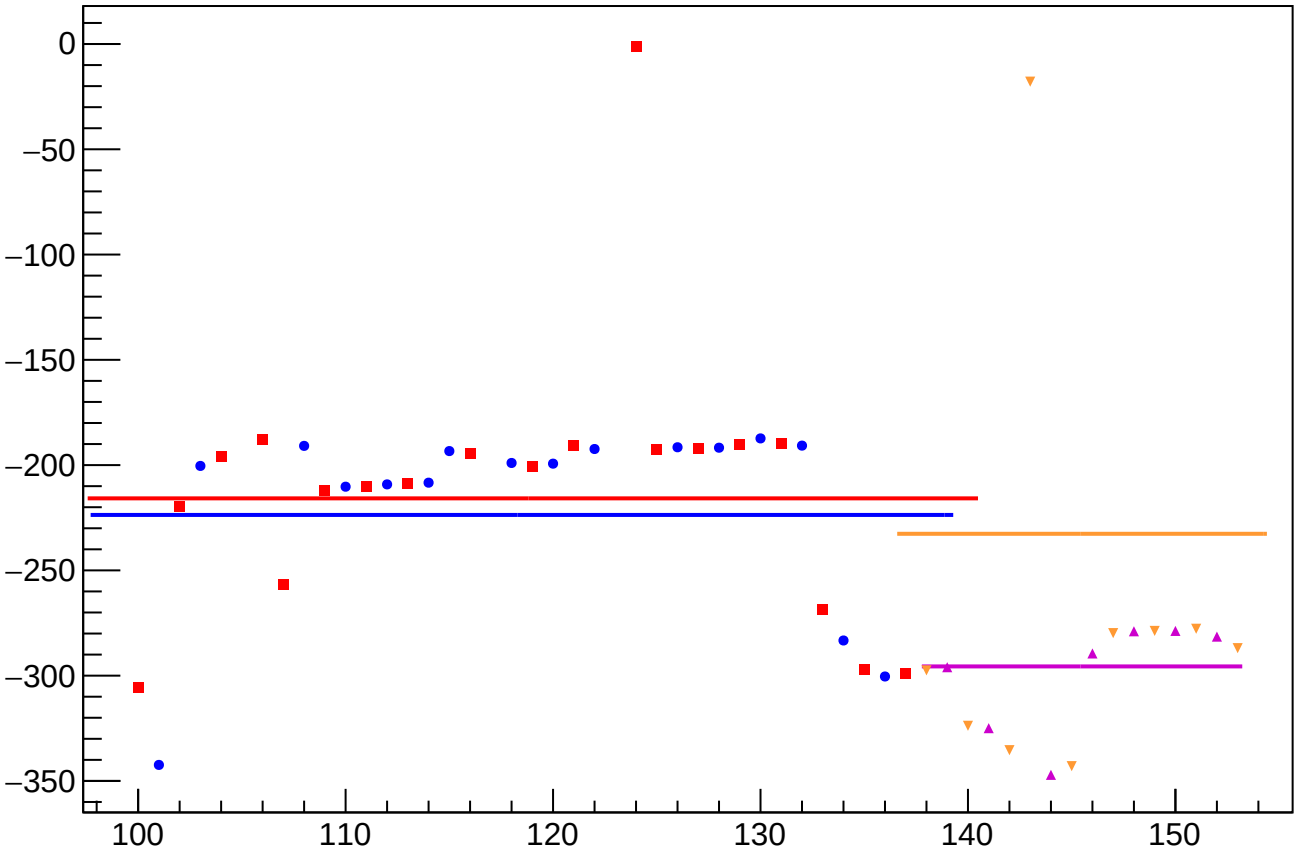
Left: 104.065+/-1.908 χ^2/NDF: 512.0/15

Right: 95.890+/-1.514 χ^2/NDF: 488.6/34

In: 104.961+/-1.735 χ^2/NDF:313.7/22

Out: 93.862+/-1.625 χ^2/NDF:676.3/27

All: 99.050+/-1.186 χ^2/NDF: 1011.9/50



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -232.624+/-0.126 χ^2/NDF:909030.6/8

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

Left In: -295.613+/-0.144 χ^2/NDF:23814.4/6

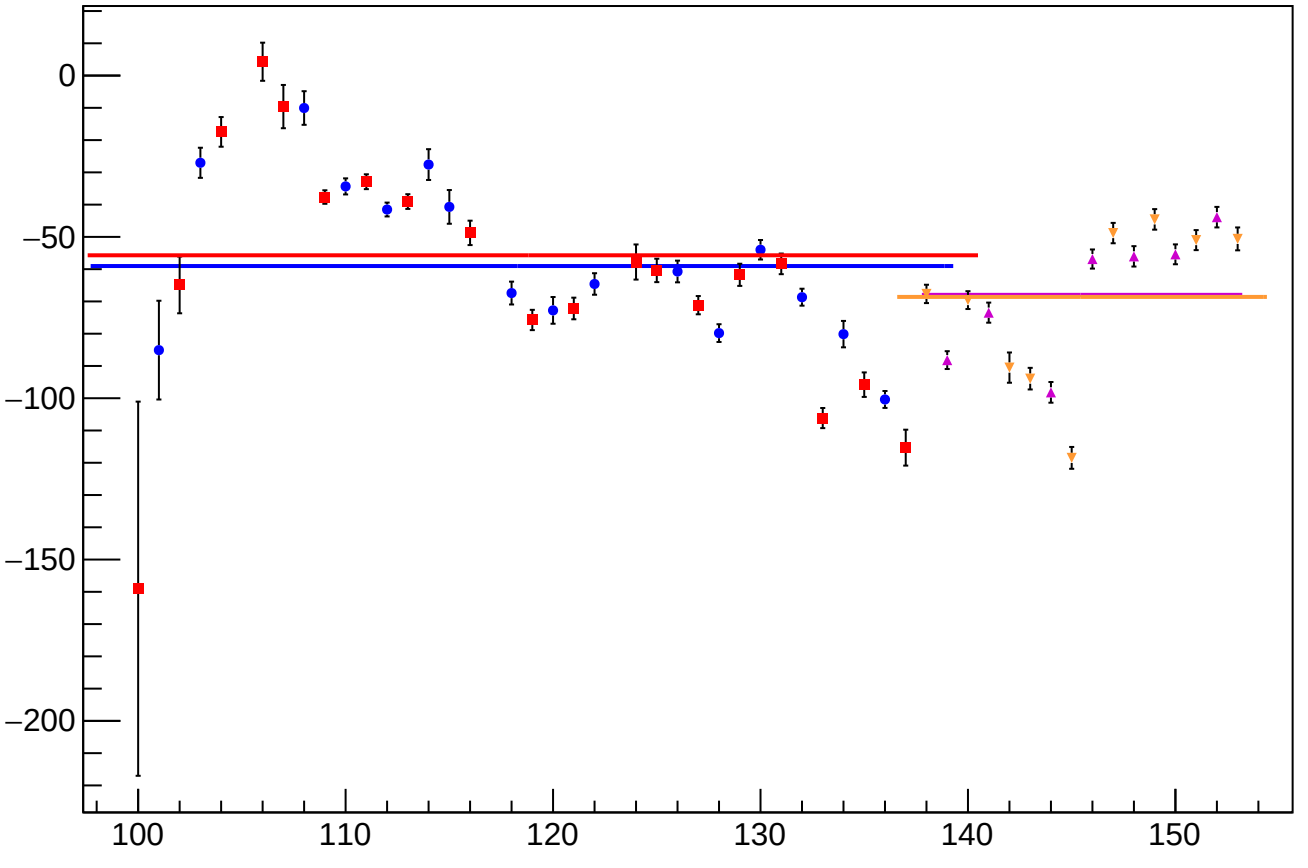
Left: -259.932+/-0.095 χ^2/NDF: 1040564.1/15

Right: -219.617+/-0.096 χ^2/NDF: 204711.3/34

In: -258.073+/-0.100 χ^2/NDF:274791.2/22

Out: -224.722+/-0.092 χ^2/NDF:998873.6/27

All: -240.034+/-0.068 χ^2/NDF: 1333957.6/50



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -68.601+/-1.079 χ^2/NDF:450.2/8

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

Left In: -67.958+/-1.155 χ^2/NDF:247.9/6

Left: -68.301+/-0.788 χ^2/NDF: 698.3/15

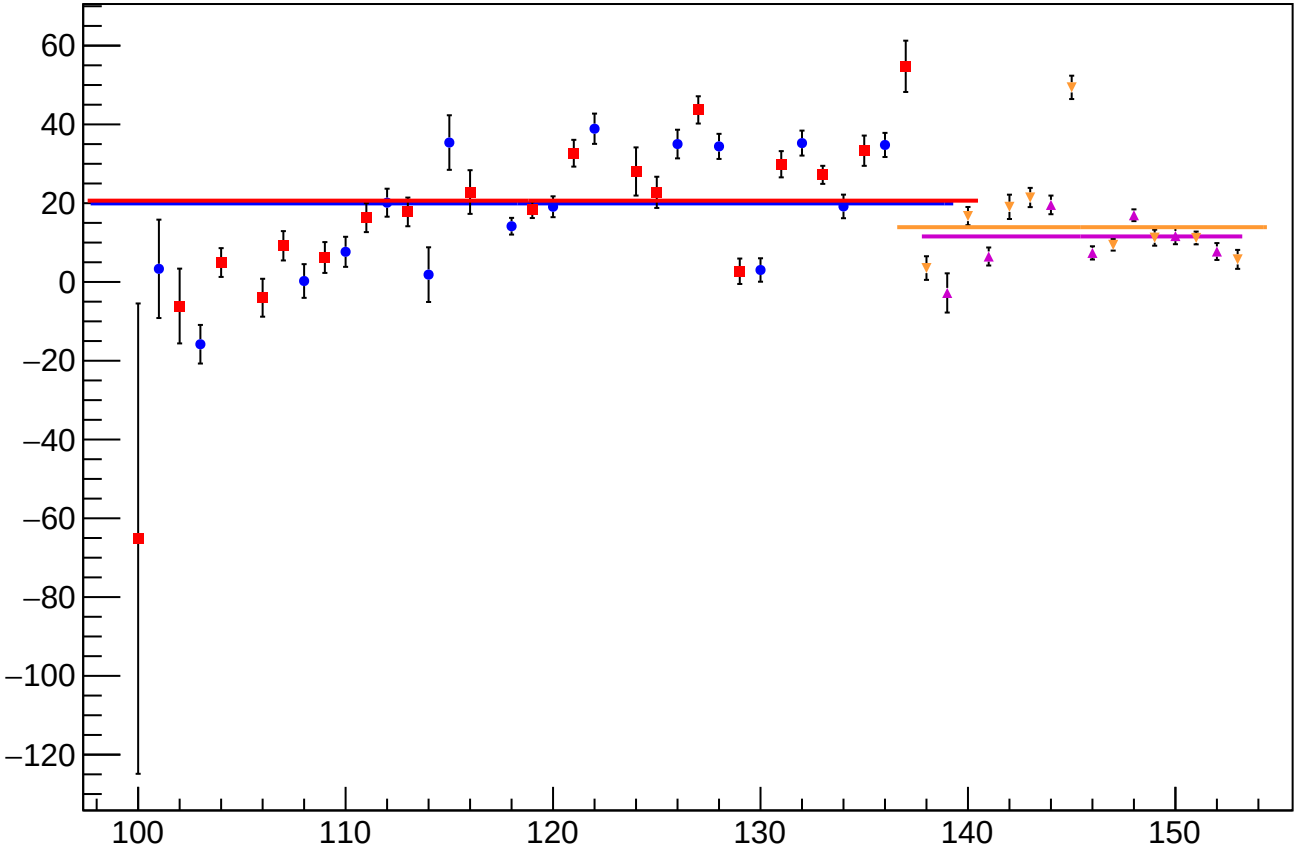
Right: -57.284+/-0.572 χ^2/NDF: 1776.9/34

In: -62.067+/-0.674 χ^2/NDF:1014.6/22

Out: -60.202+/-0.637 χ^2/NDF:1584.4/27

All: -61.083+/-0.463 χ^2/NDF: 2603.1/50

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 13.908+/-0.716 χ^2/NDF:194.7/8

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

Left In: 11.558+/-0.775 χ^2/NDF:47.1/6

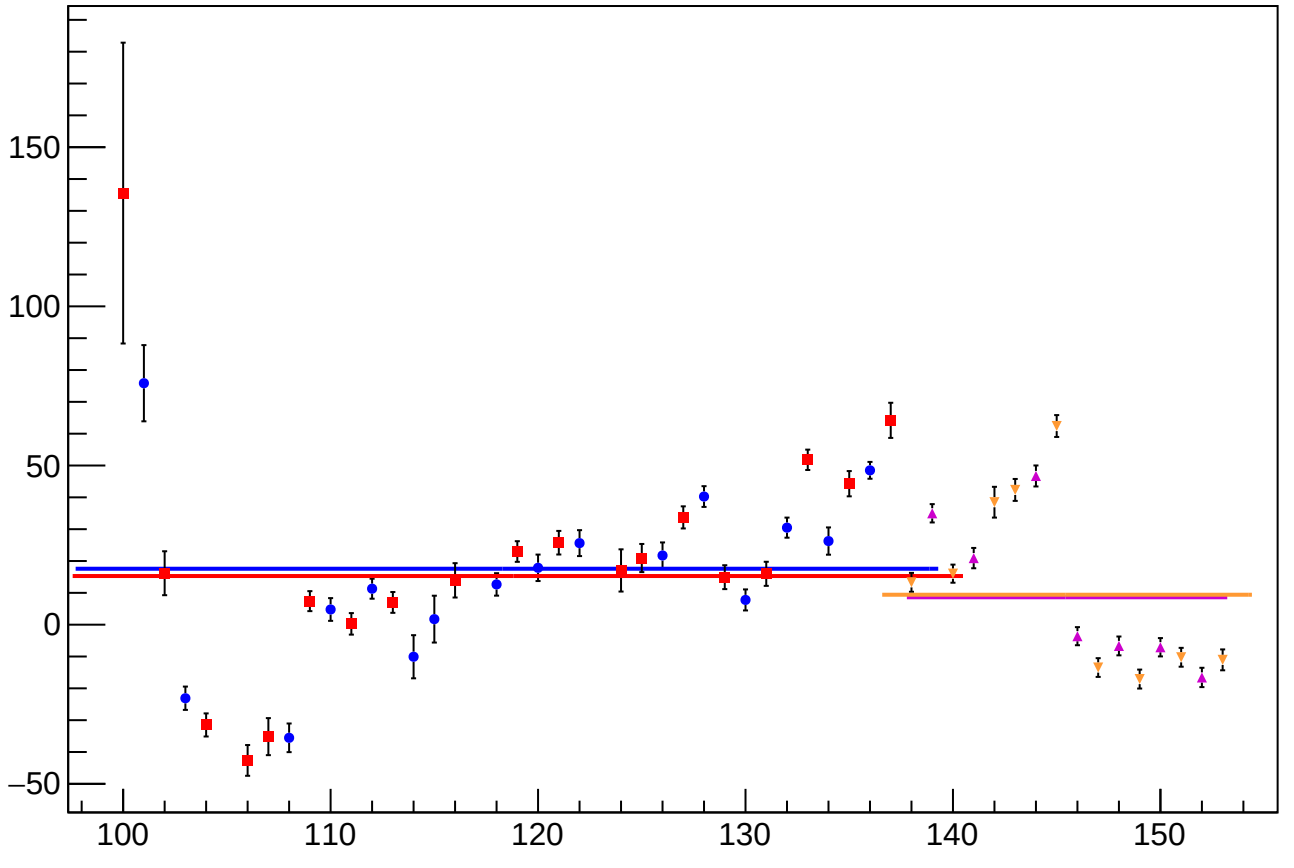
Left: 12.827+/-0.526 χ^2/NDF: 246.8/15

Right: 20.304+/-0.605 χ^2/NDF: 472.3/34

In: 15.282+/-0.578 χ^2/NDF:346.3/22

Out: 16.727+/-0.546 χ^2/NDF:456.5/27

All: 16.046+/-0.397 χ^2/NDF: 806.1/50



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: 9.406+/-1.063 χ^2/NDF:595.3/8

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

Left In: 8.605+/-1.134 χ^2/NDF:376.2/6

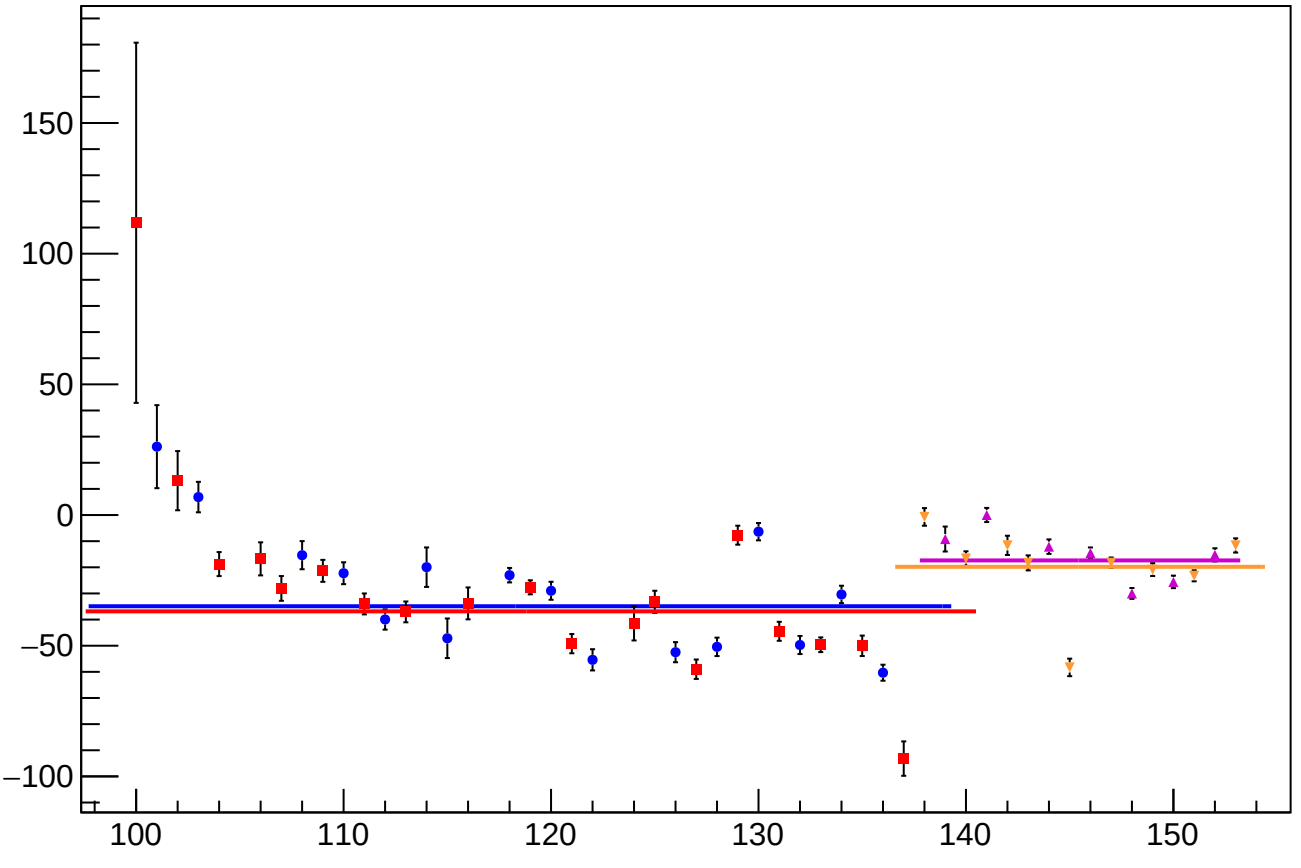
Left: 9.031+/-0.776 χ^2/NDF: 971.7/15

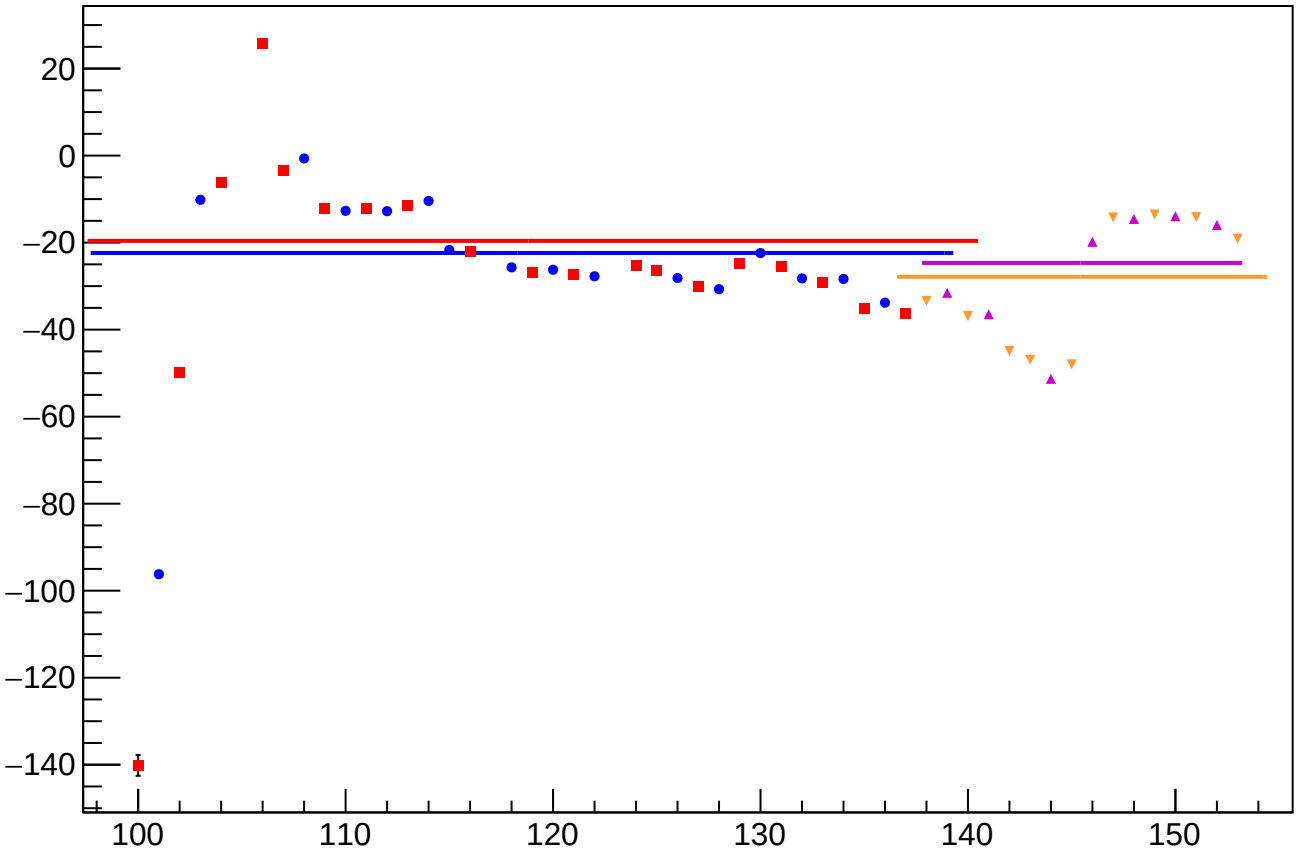
Right: 16.401+/-0.668 χ^2/NDF: 1279.2/34

In: 13.844+/-0.731 χ^2/NDF:958.9/22

Out: 12.724+/-0.702 χ^2/NDF:1342.6/27

All: 13.261+/-0.506 χ^2/NDF: 2302.7/50


reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected
150
100
50
0
−50
−100
100
110
120
130
140
150
Right In: -34.899+/-0.990 χ²/NDF: 346.6/15
Left Out: -19.808+/-0.883 χ²/NDF:182.8/8
Right Out: -36.853+/-0.970 χ²/NDF: 301.4/18
Left In: -17.366+/-0.956 χ²/NDF:98.9/6
Left: -18.683+/-0.649 χ²/NDF: 285.1/15
Right: -35.897+/-0.693 χ²/NDF: 650.0/34
In: -25.827+/-0.688 χ²/NDF:607.7/22
Out: -27.540+/-0.653 χ²/NDF:653.1/27
All: -26.728+/-0.474 χ²/NDF: 1264.0/50



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -27.858+/-0.043 χ^2/NDF:98866.7/8

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

Left In: -24.674+/-0.045 χ^2/NDF:68850.1/6

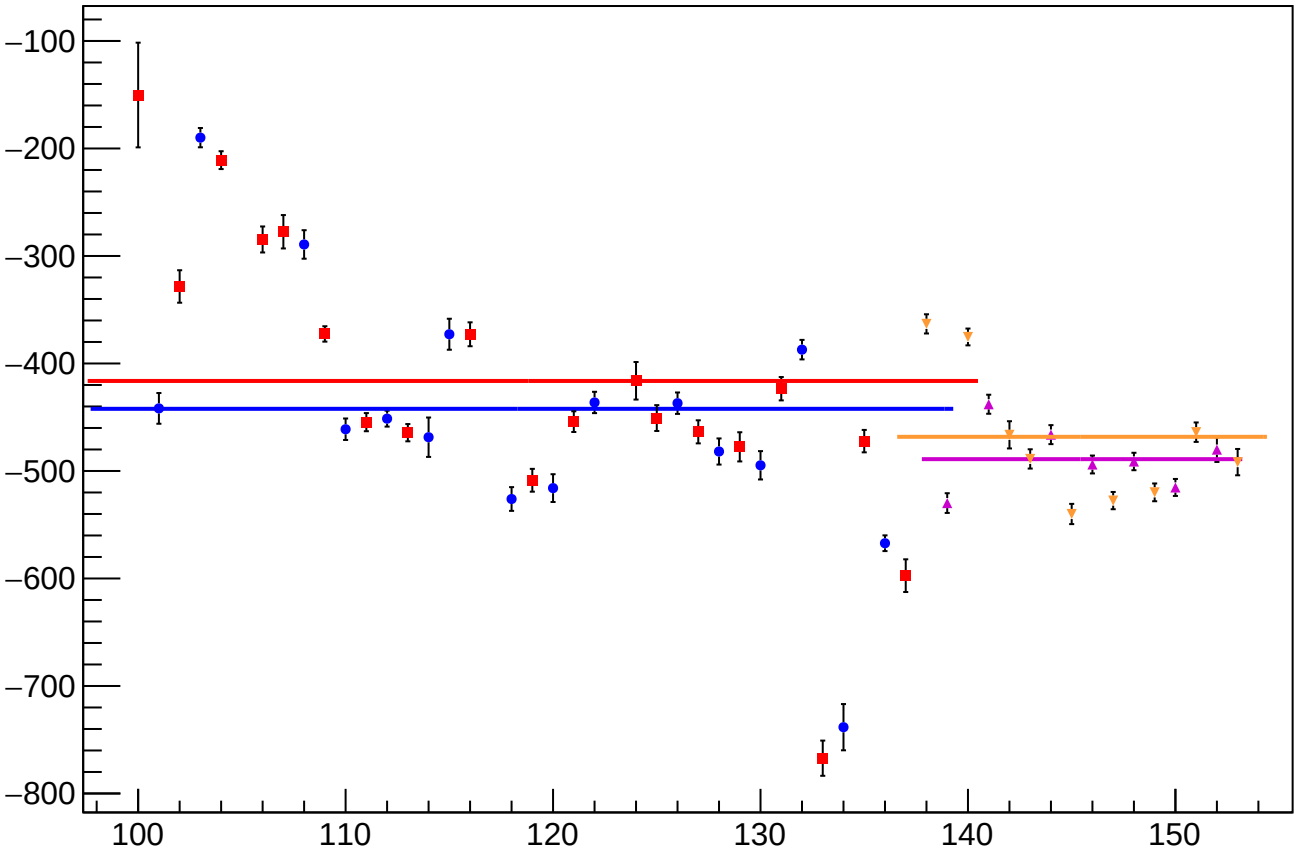
Left: -26.337+/-0.031 χ^2/NDF: 170339.3/15

Right: -21.027+/-0.042 χ^2/NDF: 131507.1/34

In: -23.824+/-0.036 χ^2/NDF:116329.2/22

Out: -25.026+/-0.035 χ^2/NDF:195390.7/27

All: -24.438+/-0.025 χ^2/NDF: 312303.3/50



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -468.223+/-3.045 χ^2/NDF:440.4/8

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

Left In: -488.996+/-3.319 χ^2/NDF:71.9/6

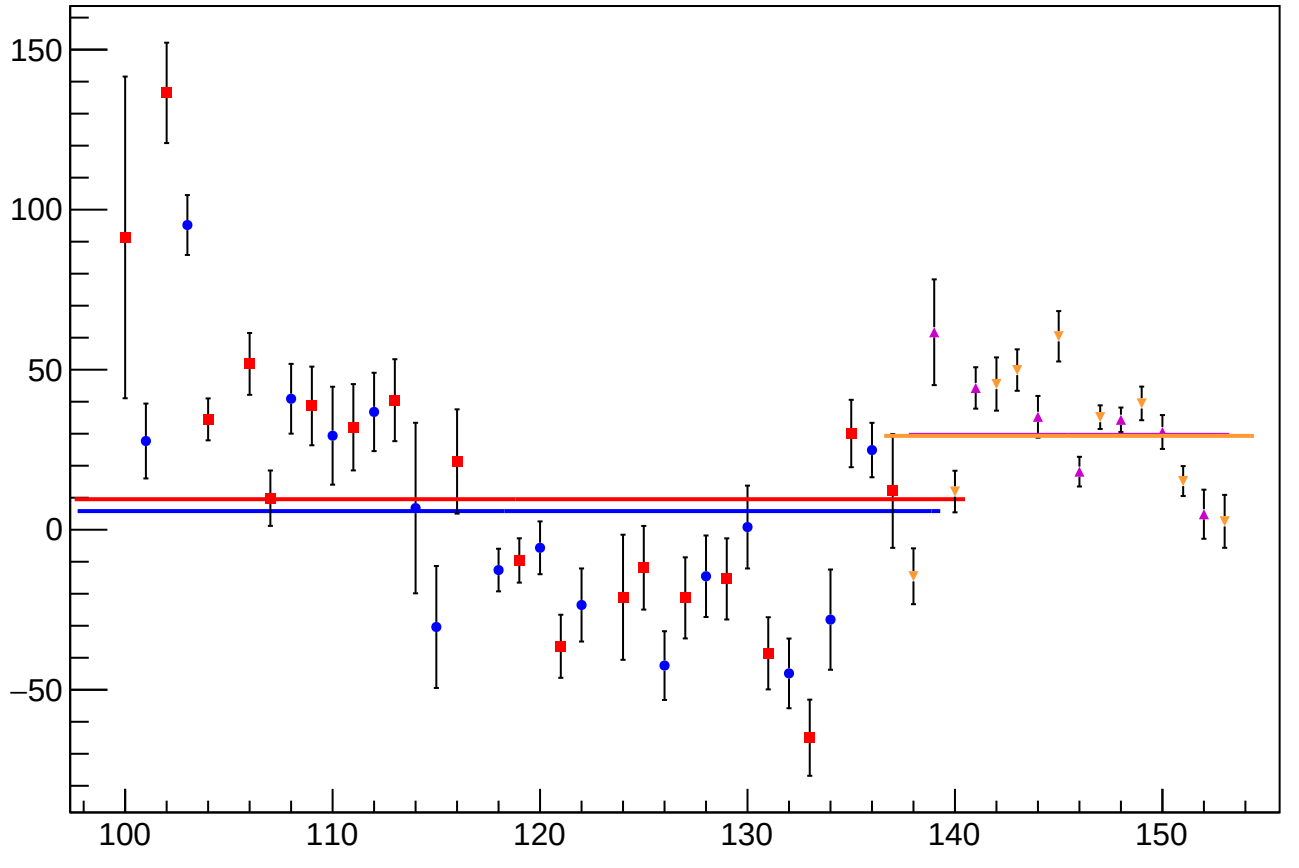
Left: -477.714+/-2.244 χ^2/NDF: 533.6/15

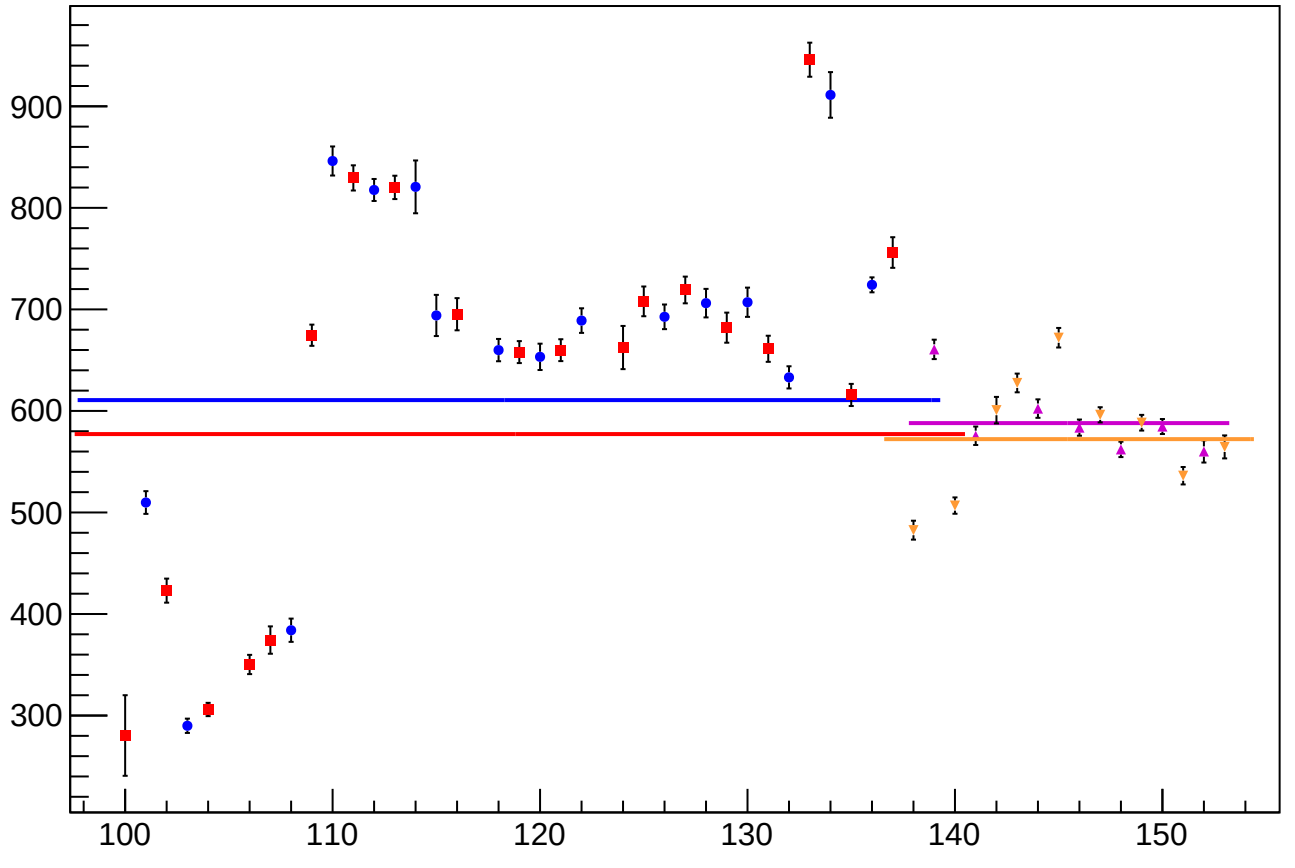
Right: -428.429+/-1.837 χ^2/NDF: 3392.5/34

In: -460.670+/-2.086 χ^2/NDF:1781.4/22

Out: -437.411+/-1.942 χ^2/NDF:2367.0/27

All: -448.213+/-1.422 χ^2/NDF: 4214.9/50


reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected
150
100
50
0
−50
100
110
120
130
140
150
Right In: 5.824+/-2.728 χ²/NDF: 188.1/15
Left Out: 29.326+/-1.956 χ²/NDF:87.7/8
Right Out: 9.536+/-2.556 χ²/NDF: 222.2/18
Left In: 29.649+/-2.137 χ²/NDF:27.8/6
Left: 29.473+/-1.443 χ²/NDF: 115.5/15
Right: 7.800+/-1.865 χ²/NDF: 411.3/34
In: 20.588+/-1.682 χ²/NDF:263.2/22
Out: 22.018+/-1.553 χ²/NDF:347.7/27
All: 21.360+/-1.141 χ²/NDF: 611.3/50



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 572.224+/-2.997 χ^2/NDF:339.7/8

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

Left In: 588.013+/-3.243 χ^2/NDF:80.7/6

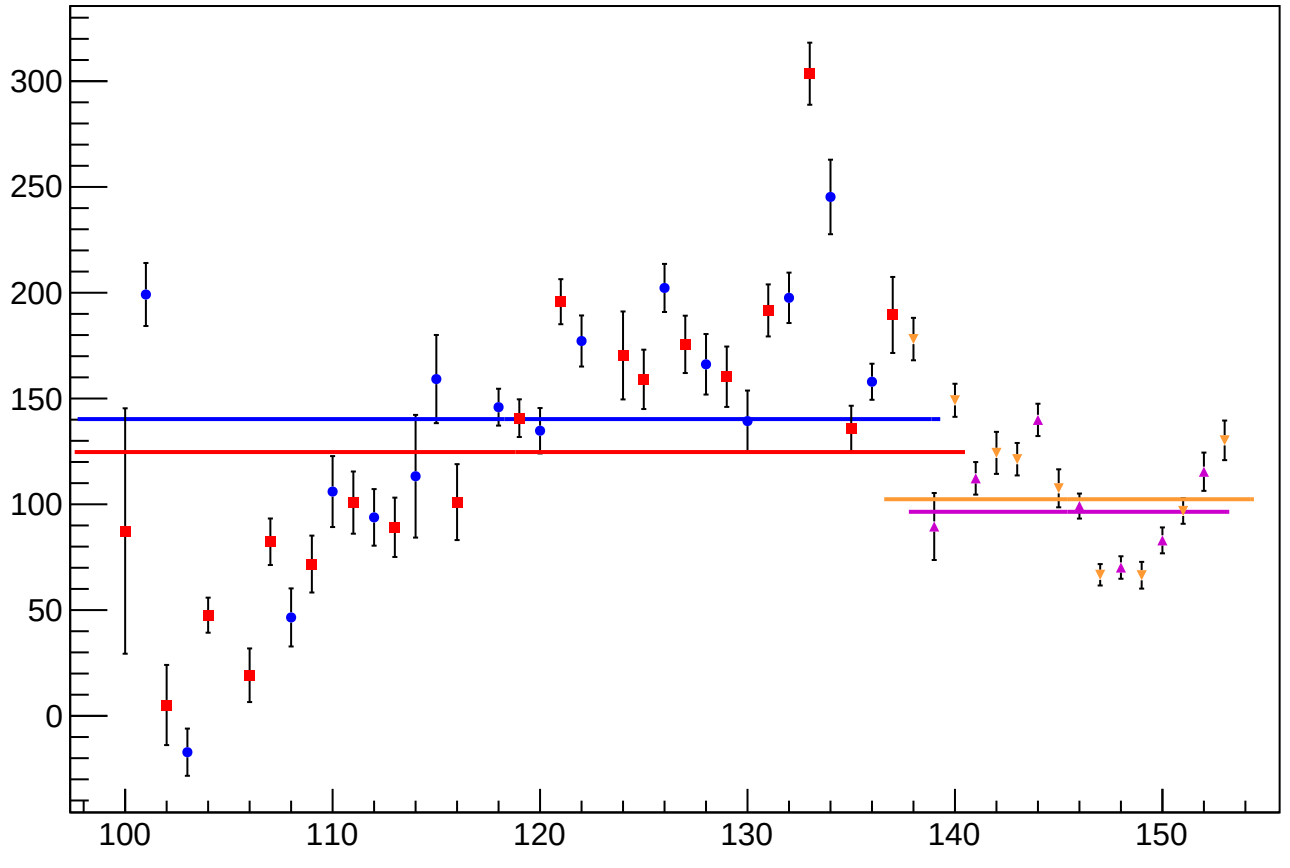
Left: 579.496+/-2.201 χ^2/NDF: 433.2/15

Right: 593.122+/-1.995 χ^2/NDF: 8763.0/34

In: 600.631+/-2.159 χ^2/NDF:4000.4/22

Out: 574.924+/-2.028 χ^2/NDF:5141.5/27

All: 586.978+/-1.478 χ^2/NDF: 9217.2/50



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 102.394+/-2.437 χ^2/NDF:195.8/8

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

Left In: 96.451+/-2.664 χ^2/NDF:70.8/6

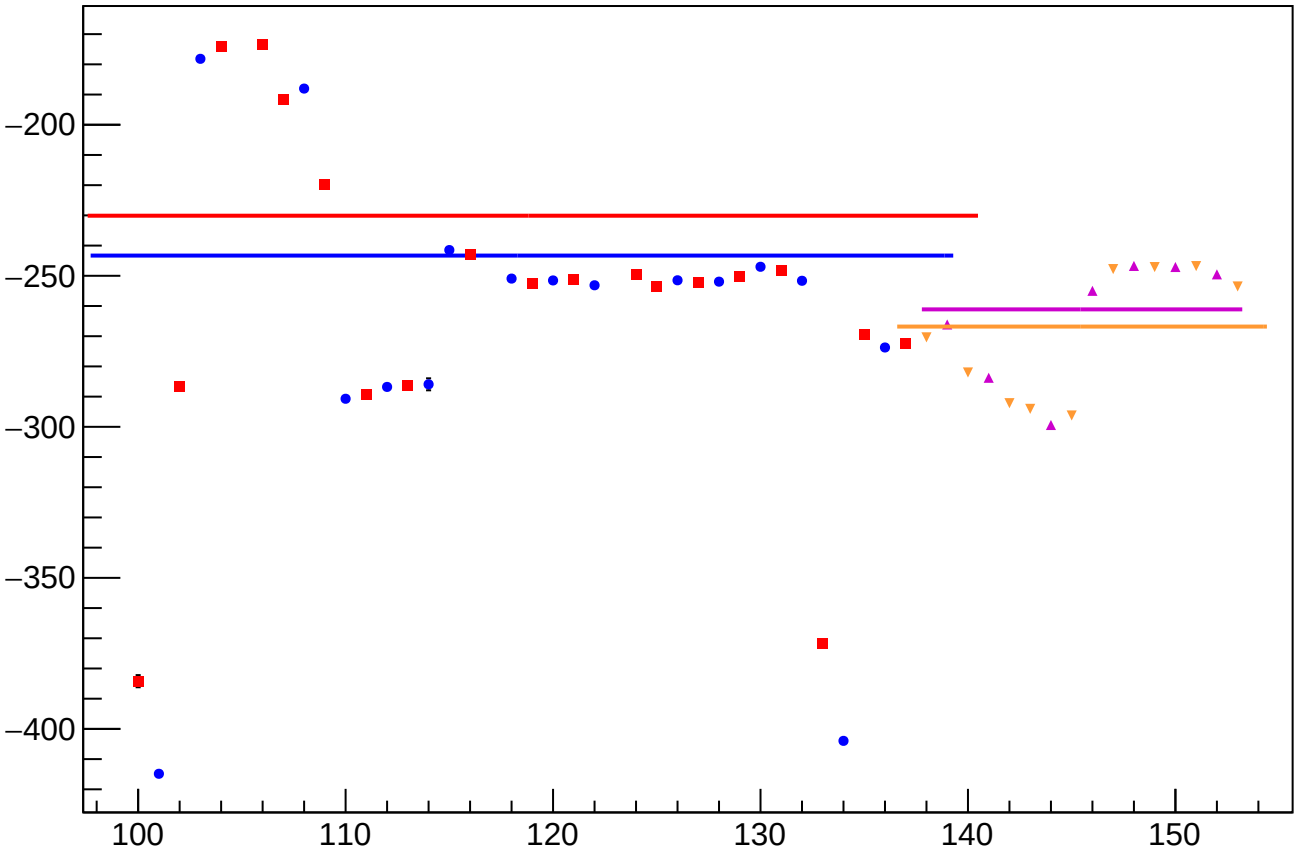
Left: 99.687+/-1.798 χ^2/NDF: 269.3/15

Right: 132.049+/-2.165 χ^2/NDF: 906.8/34

In: 114.717+/-2.034 χ^2/NDF:569.0/22

Out: 111.335+/-1.886 χ^2/NDF:738.0/27

All: 112.898+/-1.383 χ^2/NDF: 1308.4/50



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -266.811+/-0.123 χ^2/NDF:26617.8/8

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

Left In: -261.118+/-0.131 χ^2/NDF:18335.2/6

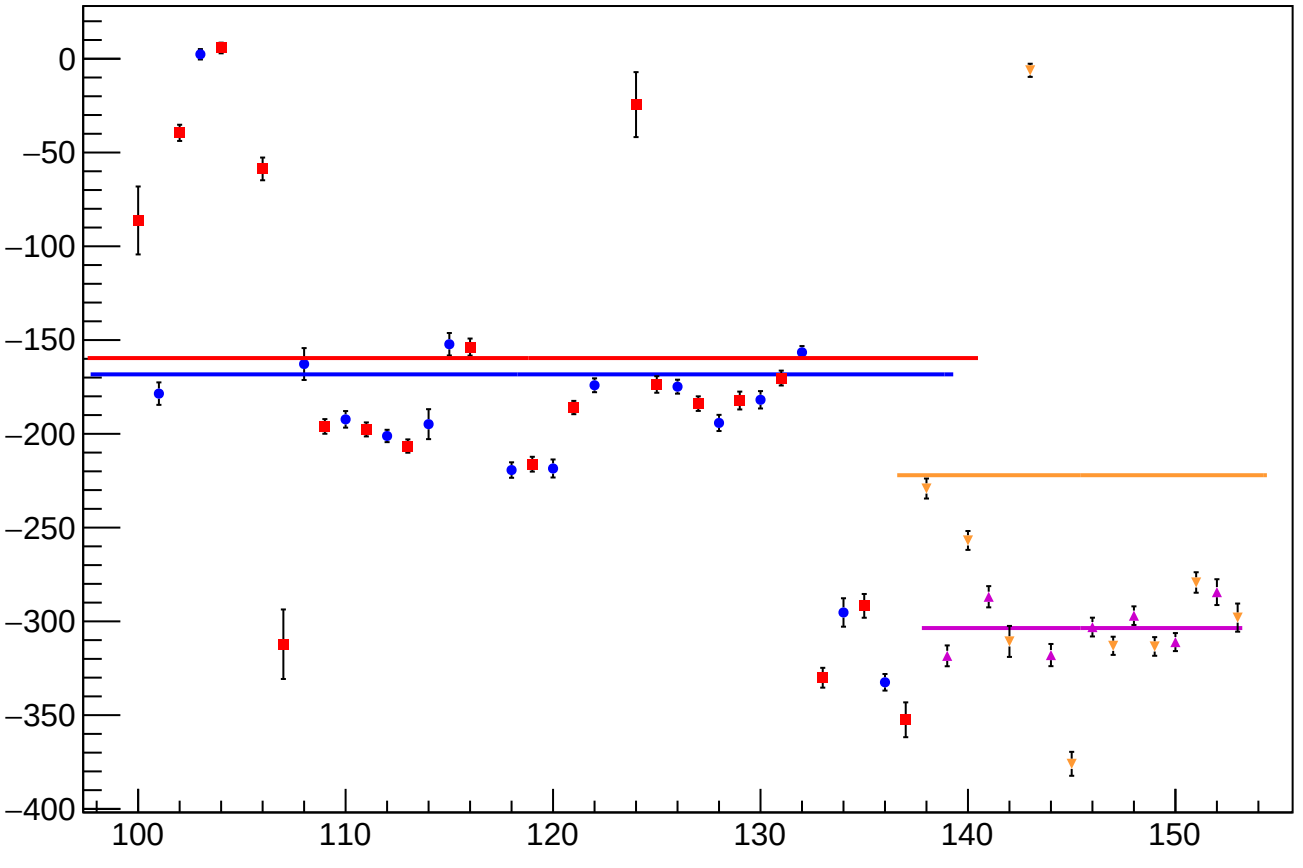
Left: -264.124+/-0.090 χ^2/NDF: 45956.0/15

Right: -236.496+/-0.113 χ^2/NDF: 279343.3/34

In: -254.129+/-0.102 χ^2/NDF:199120.8/22

Out: -252.824+/-0.097 χ^2/NDF:162733.5/27

All: -253.446+/-0.070 χ^2/NDF: 361940.3/50



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -222.065+/-1.743 χ^2/NDF:5432.1/8

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

Left In: -303.563+/-2.054 χ^2/NDF:33.7/6

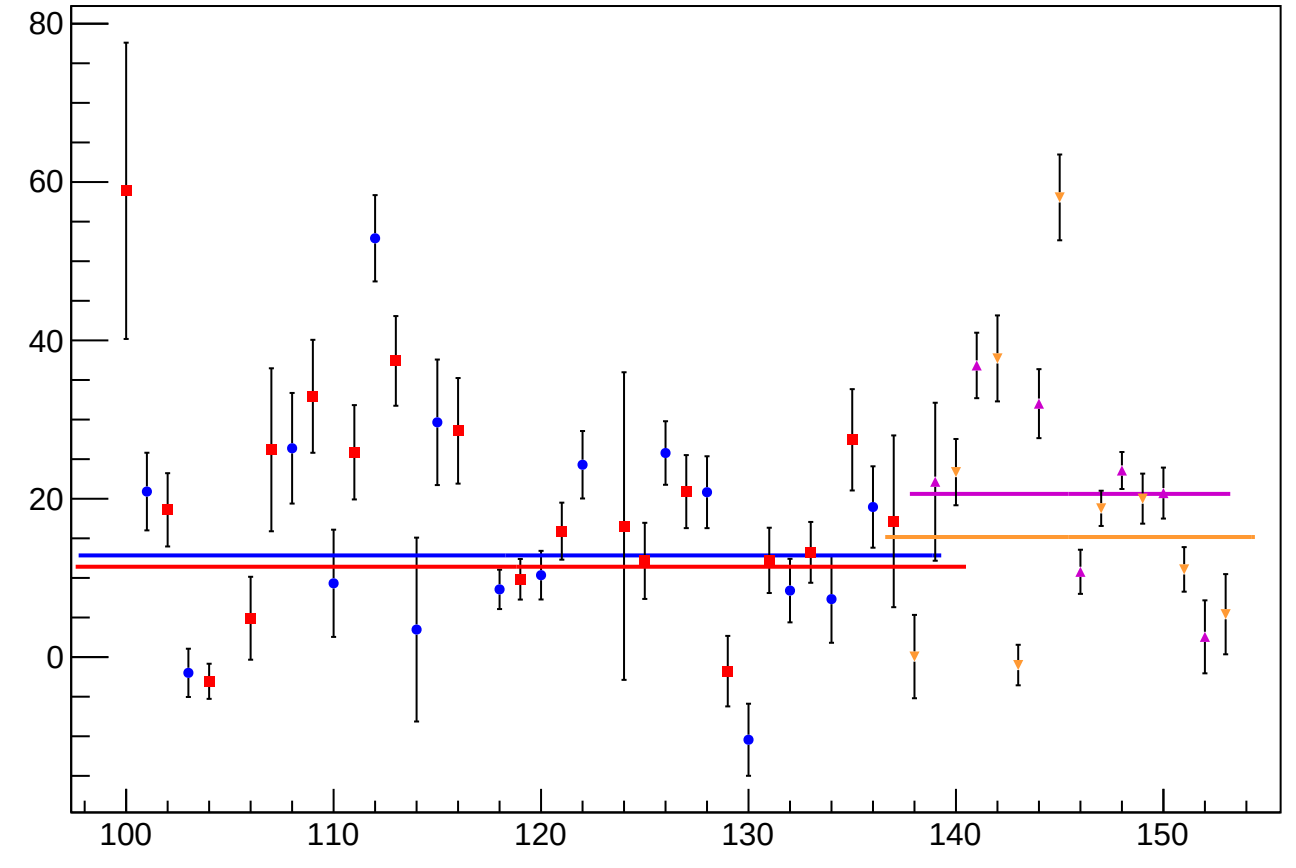
Left: -256.188+/-1.329 χ^2/NDF: 6381.1/15

Right: -163.809+/-0.749 χ^2/NDF: 13139.1/34

In: -197.413+/-0.953 χ^2/NDF:9345.3/22

Out: -176.055+/-0.895 χ^2/NDF:13575.9/27

All: -186.060+/-0.652 χ^2/NDF: 23188.2/50



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 15.168+/-1.131 χ^2/NDF:142.8/8

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

Left In: 20.613+/-1.317 χ^2/NDF:51.7/6

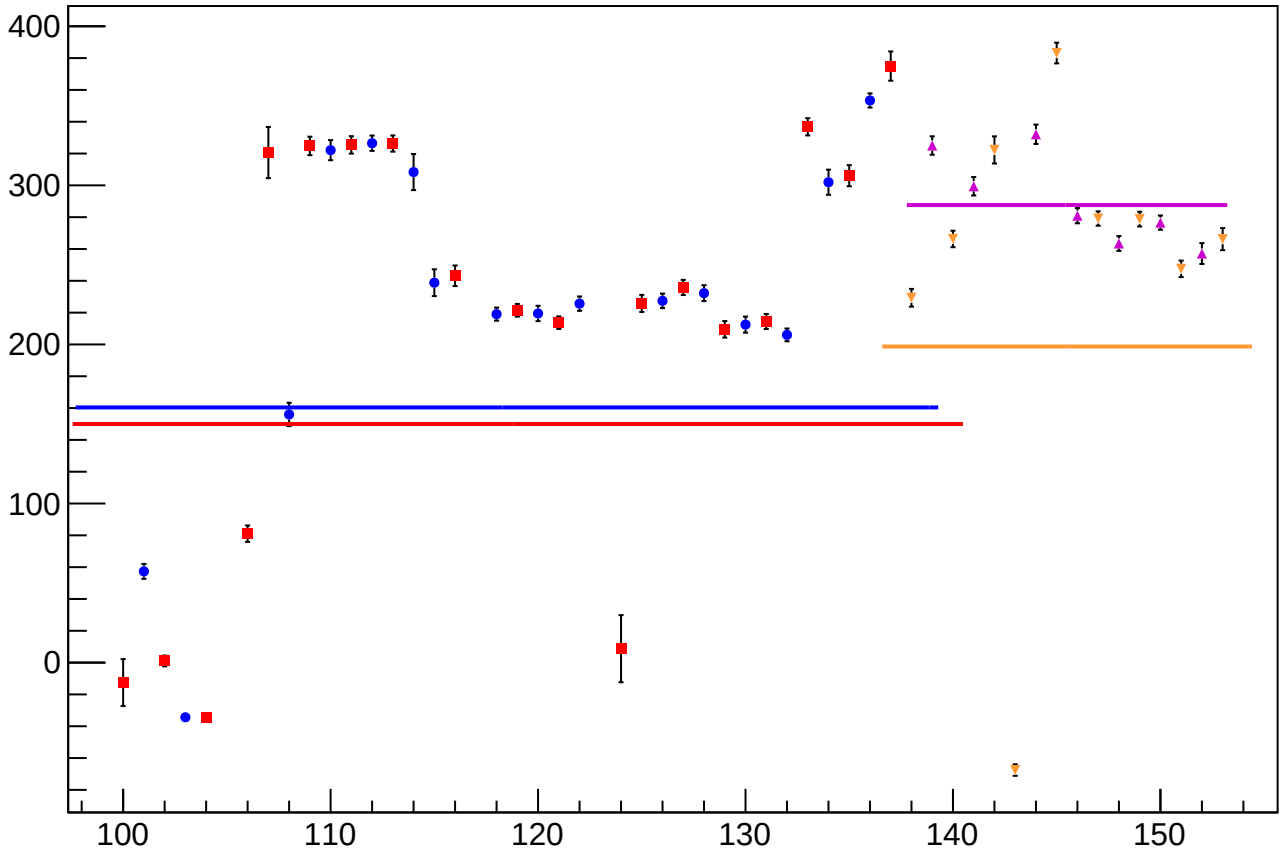
Left: 17.481+/-0.858 χ^2/NDF: 204.3/15

Right: 12.100+/-0.746 χ^2/NDF: 264.2/34

In: 15.955+/-0.833 χ^2/NDF:216.3/22

Out: 13.125+/-0.764 χ^2/NDF:268.3/27

All: 14.417+/-0.563 χ^2/NDF: 490.8/50



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 198.697+/-1.723 χ^2/NDF:7451.7/8

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

Left In: 287.609+/-2.003 χ^2/NDF:155.9/6

Left: 236.508+/-1.306 χ^2/NDF: 8739.8/15

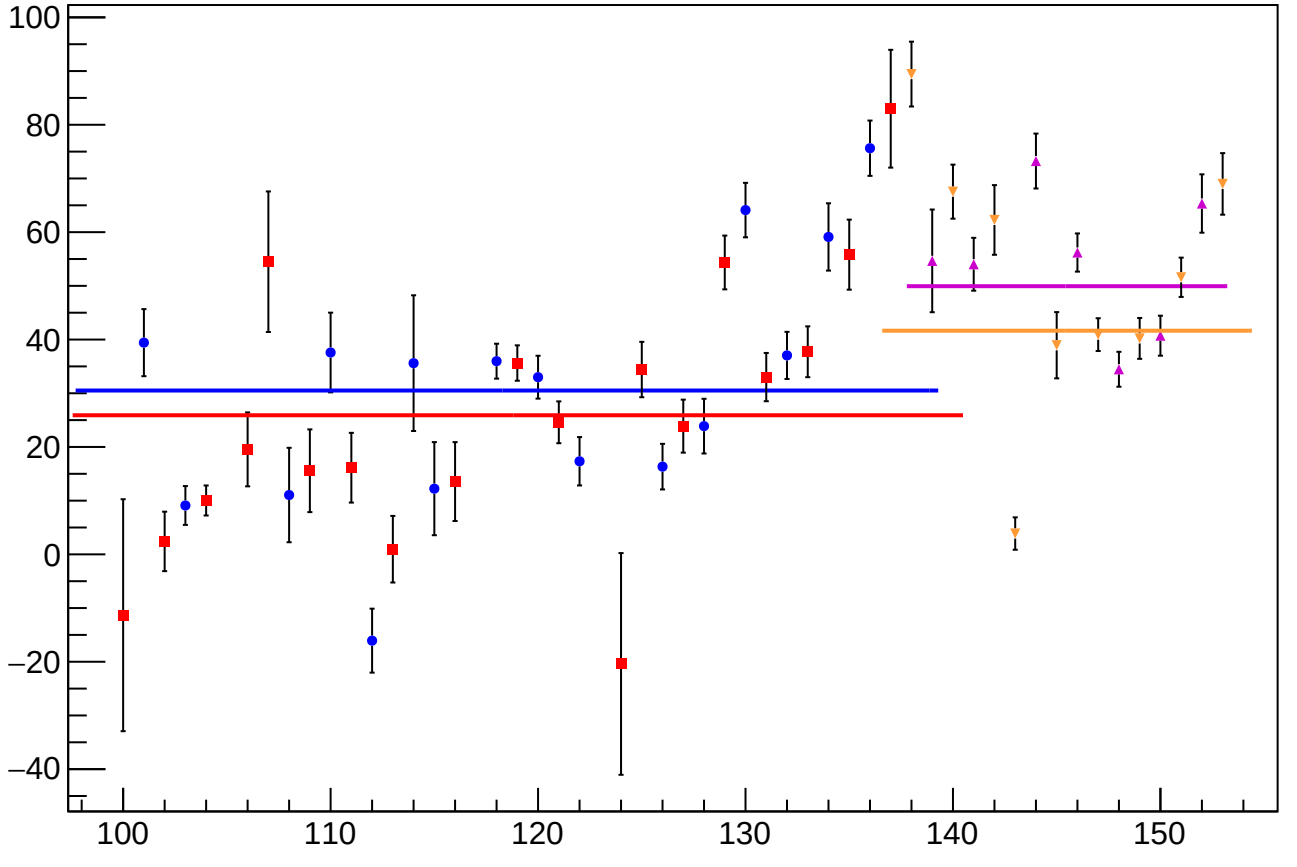
Right: 155.041+/-0.794 χ^2/NDF: 30258.1/34

In: 191.484+/-0.990 χ^2/NDF:17152.8/22

Out: 164.204+/-0.931 χ^2/NDF:24282.9/27

All: 177.008+/-0.678 χ^2/NDF: 41838.5/50

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 41.650+/-1.402 χ^2/NDF:286.6/8

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

Left In: 49.938+/-1.644 χ^2/NDF:61.6/6

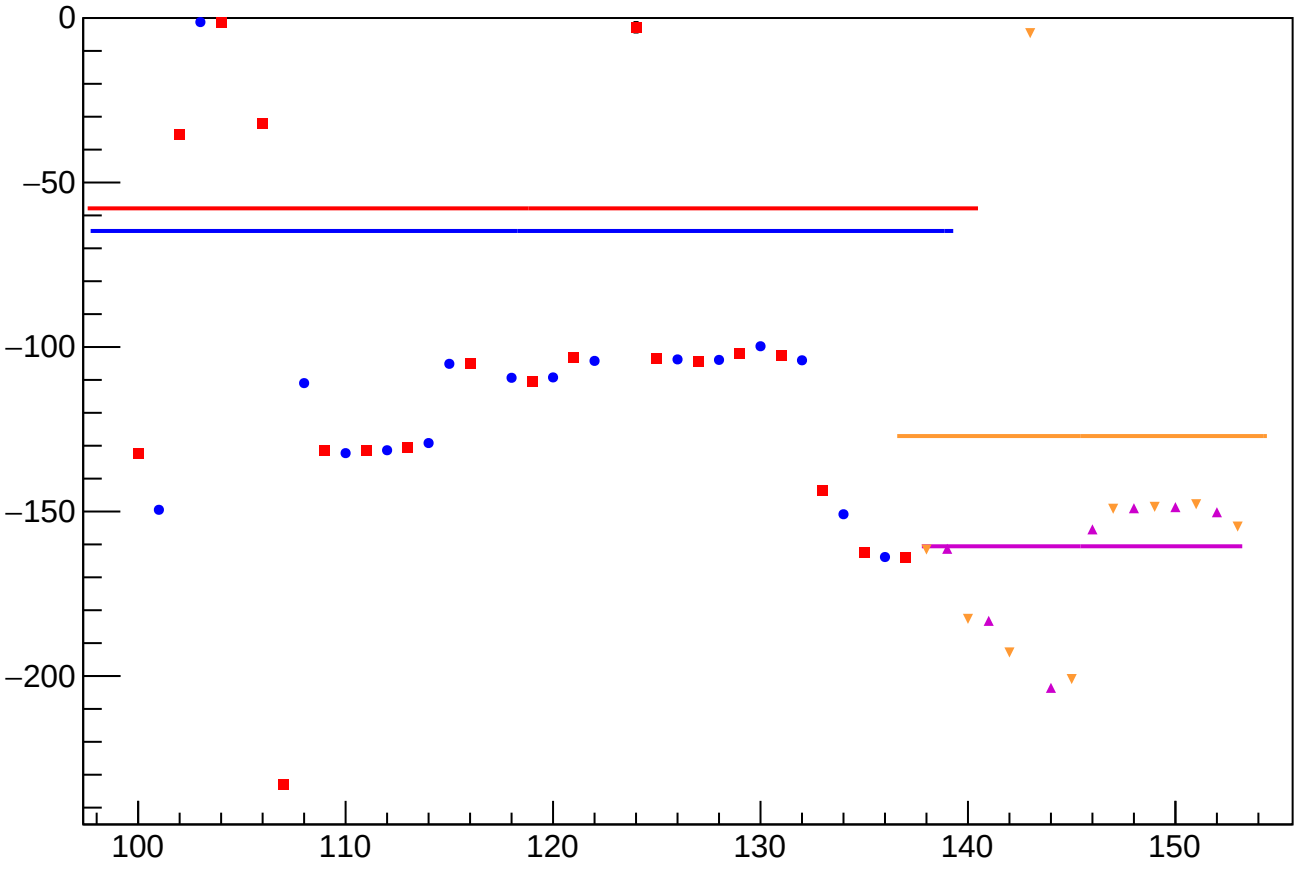
Left: 45.142+/-1.067 χ^2/NDF: 362.9/15

Right: 28.129+/-0.872 χ^2/NDF: 471.7/34

In: 37.662+/-0.997 χ^2/NDF:426.8/22

Out: 32.642+/-0.917 χ^2/NDF:546.5/27

All: 34.943+/-0.675 χ^2/NDF: 987.0/50



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -127.064+/-0.071 χ^2/NDF:914604.0/8

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

Left In: -160.567+/-0.080 χ^2/NDF:44484.3/6

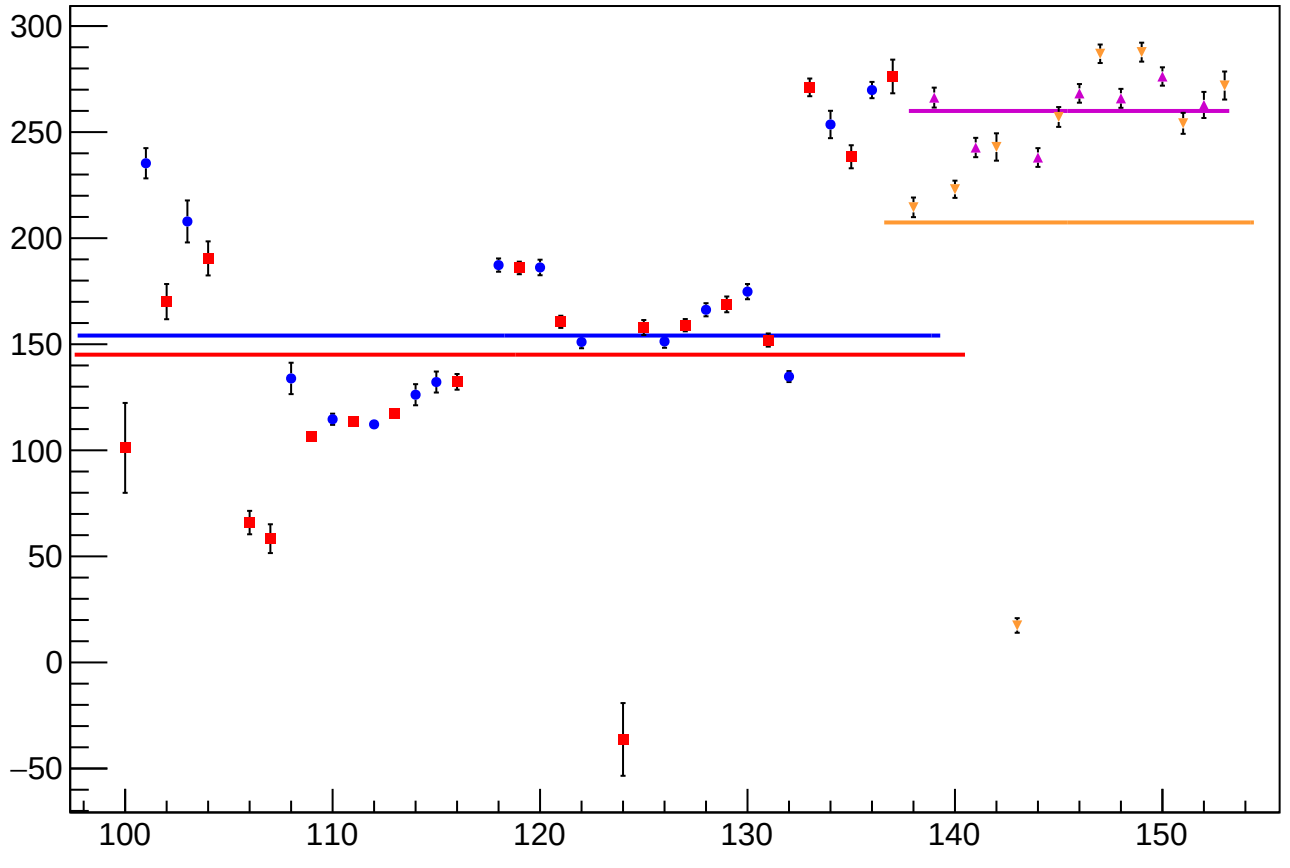
Left: -141.735+/-0.053 χ^2/NDF: 1056632.0/15

Right: -61.201+/-0.045 χ^2/NDF: 1926190.0/34

In: -101.737+/-0.050 χ^2/NDF:1960598.9/22

Out: -87.886+/-0.047 χ^2/NDF:2328502.0/27

All: -94.351+/-0.034 χ^2/NDF: 4330056.9/50



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 207.409+/-1.528 χ^2/NDF:4042.1/8

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

Left In: 259.968+/-1.750 χ^2/NDF:60.4/6

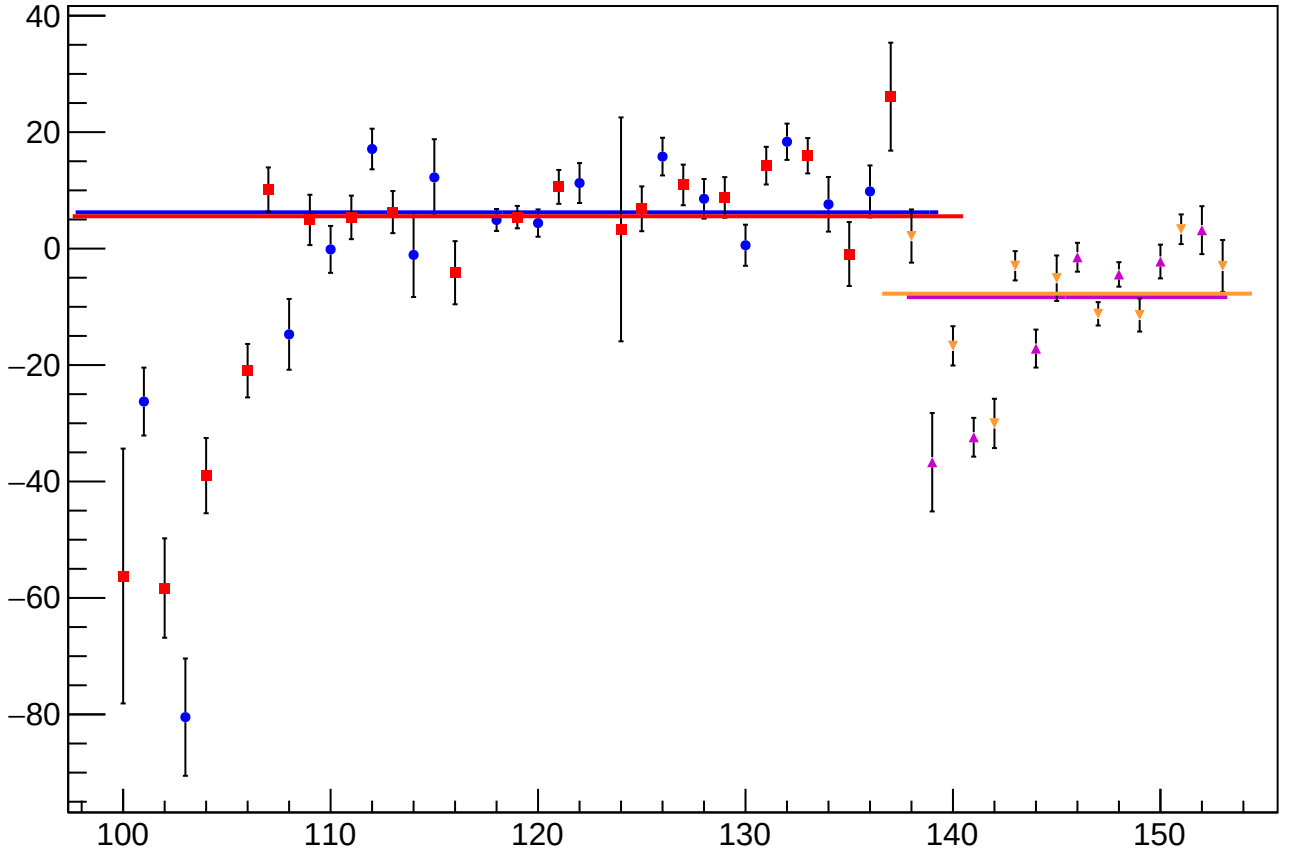
Left: 230.151+/-1.151 χ^2/NDF: 4614.3/15

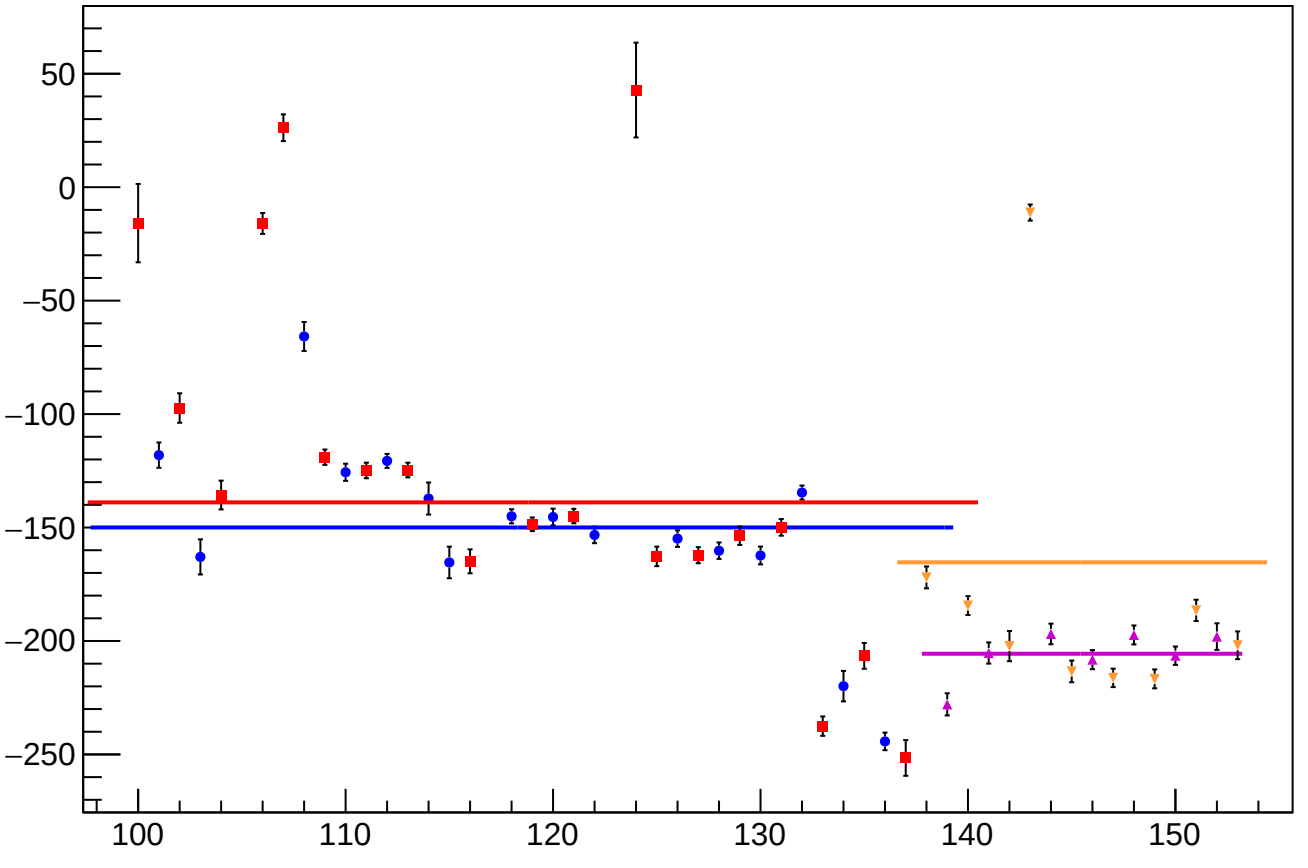
Right: 149.361+/-0.599 χ^2/NDF: 5296.0/34

In: 175.041+/-0.778 χ^2/NDF:5277.2/22

Out: 159.172+/-0.727 χ^2/NDF:8287.4/27

All: 166.562+/-0.531 χ^2/NDF: 13786.7/50


reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
Right In: 6.229+/-0.890 χ²/NDF: 162.1/15
Left Out: -7.740+/-1.004 χ²/NDF:68.1/8
Right Out: 5.548+/-0.889 χ²/NDF: 181.1/18
Left In: -8.328+/-1.143 χ²/NDF:94.1/6
Left: -7.996+/-0.754 χ²/NDF: 162.4/15
Right: 5.888+/-0.629 χ²/NDF: 343.5/34
In: 0.736+/-0.702 χ²/NDF:357.1/22
Out: -0.296+/-0.666 χ²/NDF:347.4/27
All: 0.192+/-0.483 χ²/NDF: 705.7/50



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -165.325+/-1.514 χ^2/NDF:2411.1/8

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

Left In: -205.621+/-1.715 χ^2/NDF:30.5/6

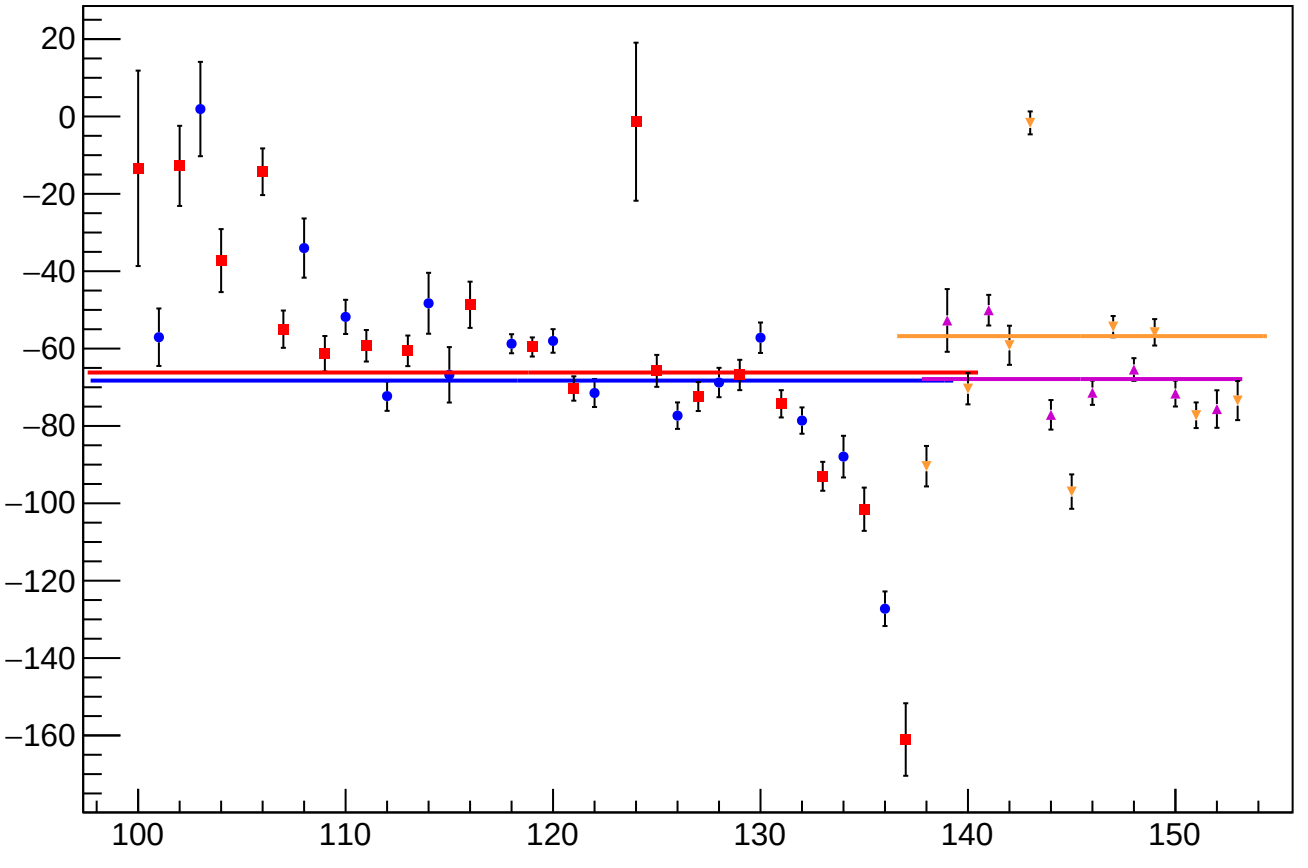
Left: -182.972+/-1.135 χ^2/NDF: 2751.7/15

Right: -144.265+/-0.714 χ^2/NDF: 3910.3/34

In: -164.625+/-0.880 χ^2/NDF:1905.2/22

Out: -146.860+/-0.831 χ^2/NDF:5374.7/27

All: -155.227+/-0.604 χ^2/NDF: 7495.3/50



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -56.782+/-1.241 χ^2/NDF:530.5/8

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

Left In: -67.873+/-1.420 χ^2/NDF:35.3/6

Left: -61.588+/-0.934 χ^2/NDF: 600.4/15

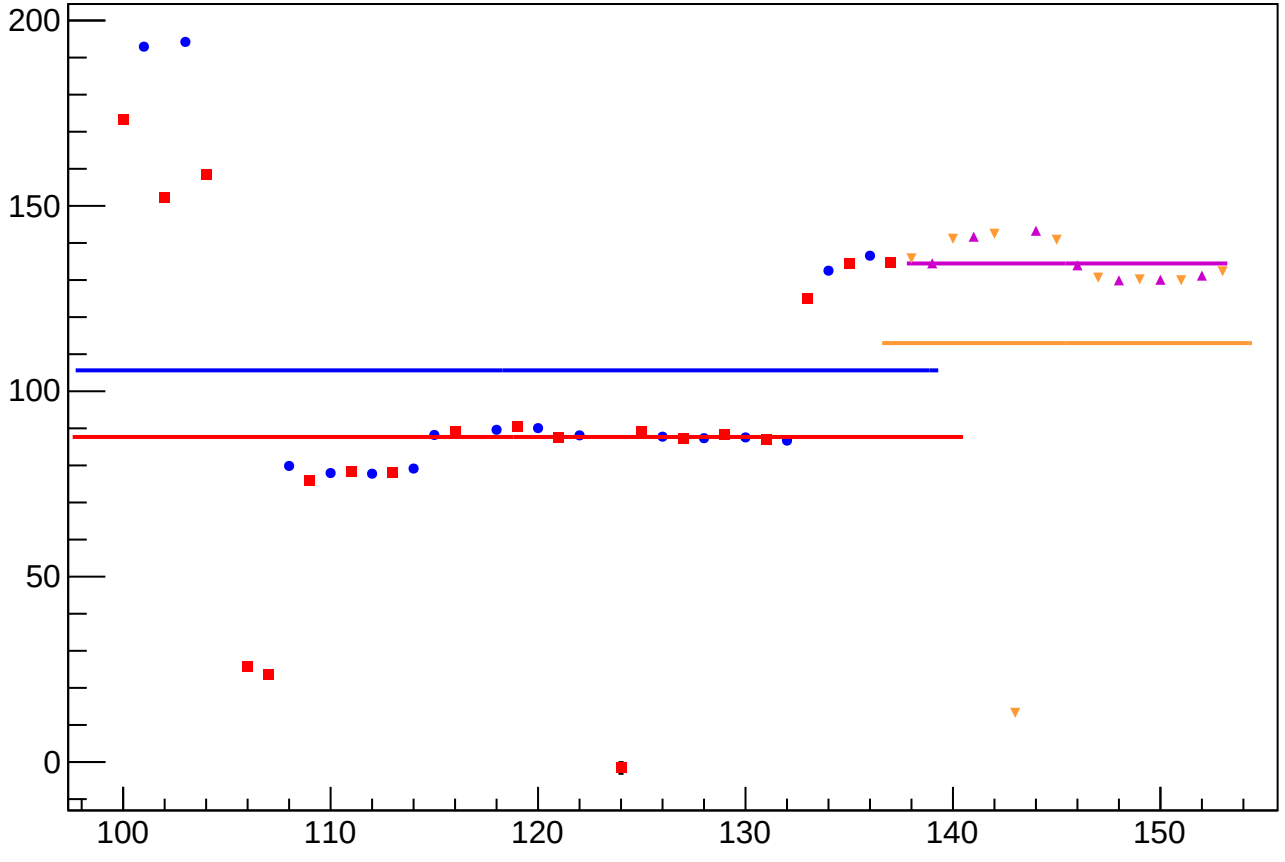
Right: -67.219+/-0.727 χ^2/NDF: 675.8/34

In: -68.134+/-0.835 χ^2/NDF:350.7/22

Out: -62.378+/-0.790 χ^2/NDF:923.0/27

All: -65.095+/-0.574 χ^2/NDF: 1298.8/50

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 112.994+/-0.062 χ^2/NDF:565528.4/8

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

Left In: 134.470+/-0.069 χ^2/NDF:4993.9/6

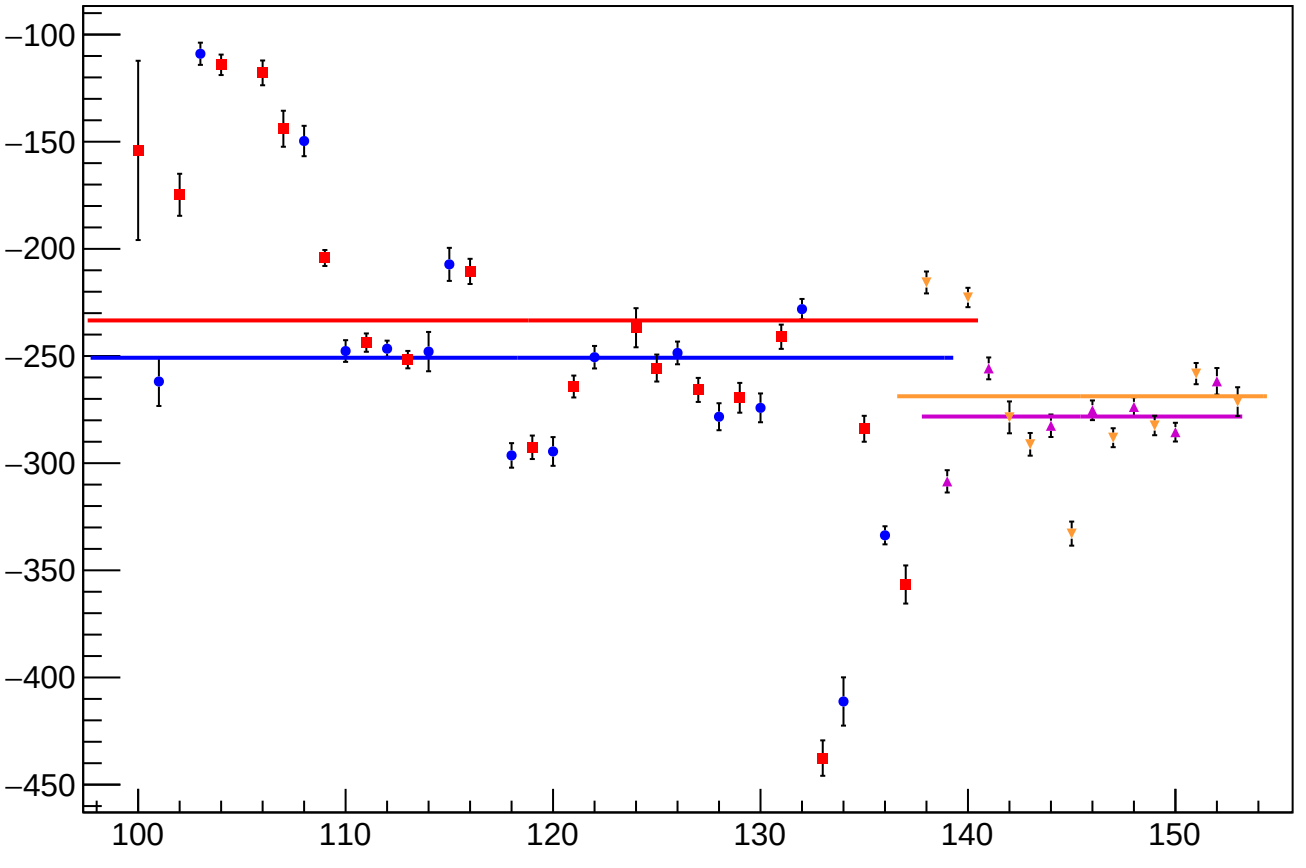
Left: 122.629+/-0.046 χ^2/NDF: 623761.1/15

Right: 95.972+/-0.048 χ^2/NDF: 648694.2/34

In: 120.409+/-0.049 χ^2/NDF:329476.2/22

Out: 100.983+/-0.045 χ^2/NDF:1018235.3/27

All: 109.822+/-0.033 χ^2/NDF: 1431761.4/50



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -268.780+/-1.726 χ^2/NDF:394.9/8

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

Left In: -278.235+/-1.866 χ^2/NDF:65.1/6

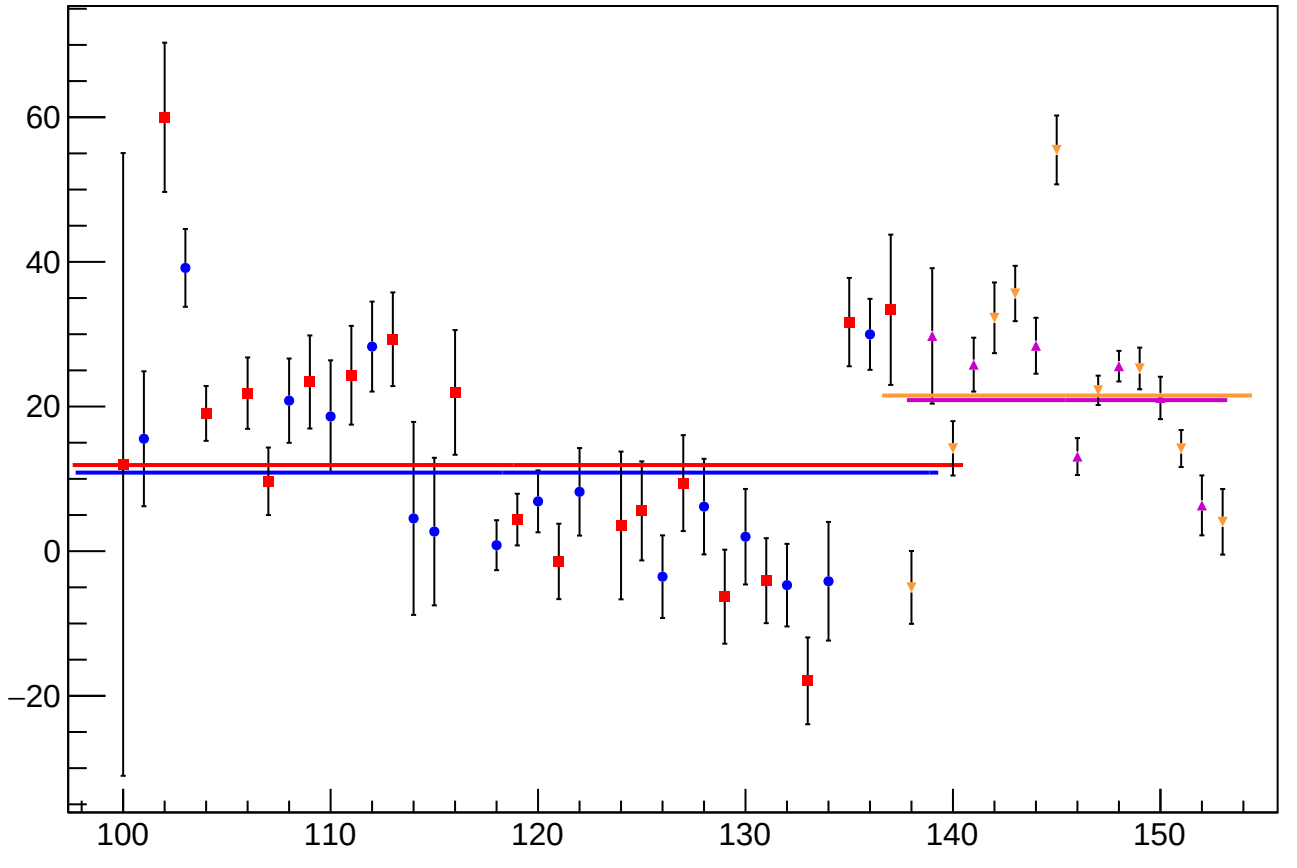
Left: -273.141+/-1.267 χ^2/NDF: 473.8/15

Right: -241.445+/-0.978 χ^2/NDF: 4193.1/34

In: -261.033+/-1.139 χ^2/NDF:1936.3/22

Out: -246.615+/-1.055 χ^2/NDF:3036.5/27

All: -253.274+/-0.774 χ^2/NDF: 5059.0/50



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 21.523+/-1.098 χ^2/NDF:125.7/8

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

Left In: 20.888+/-1.194 χ^2/NDF:33.0/6

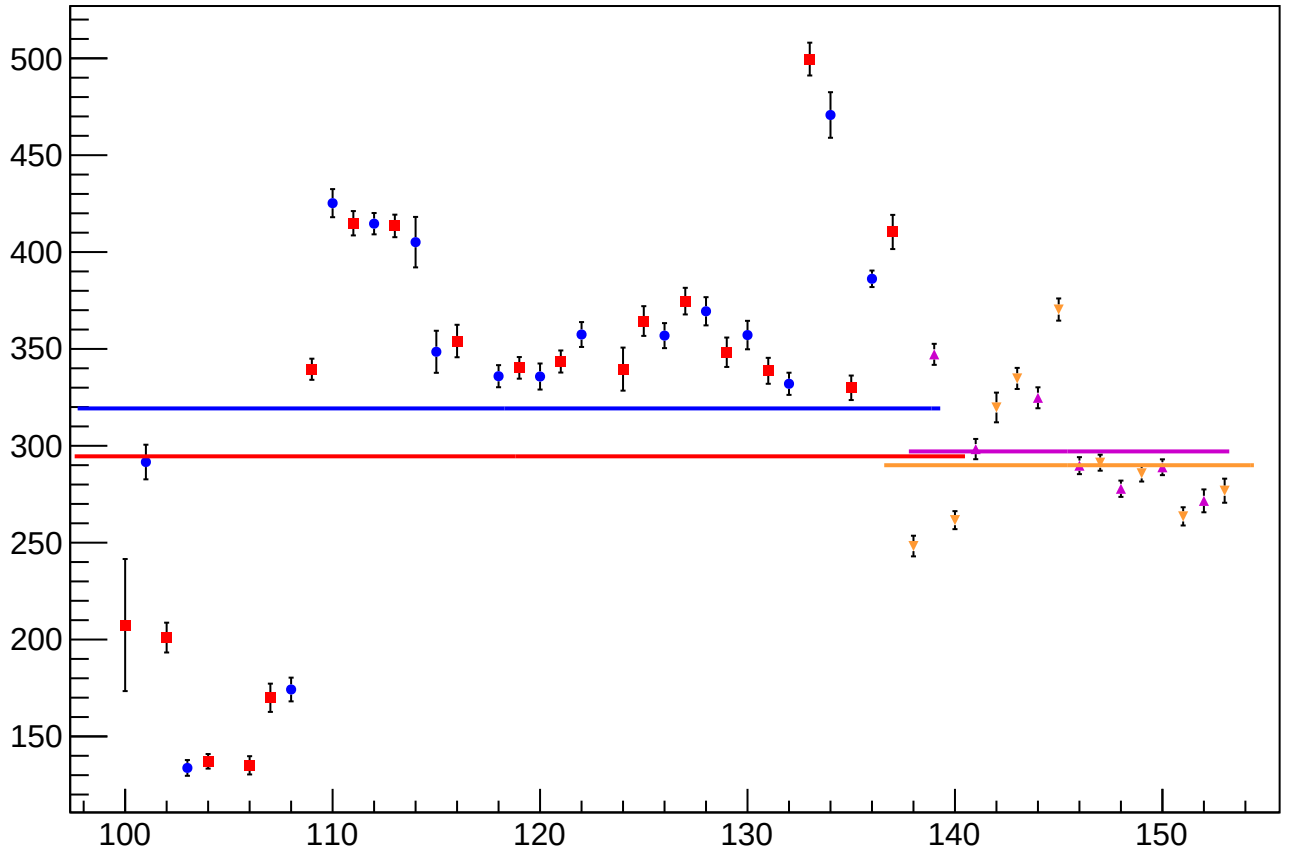
Left: 21.232+/-0.808 χ^2/NDF: 158.8/15

Right: 11.426+/-1.001 χ^2/NDF: 196.9/34

In: 16.907+/-0.927 χ^2/NDF:145.7/22

Out: 17.756+/-0.856 χ^2/NDF:267.6/27

All: 17.365+/-0.629 χ^2/NDF: 413.7/50



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 289.977+/-1.694 χ^2/NDF:415.2/8

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

Left In: 297.101+/-1.820 χ^2/NDF:158.1/6

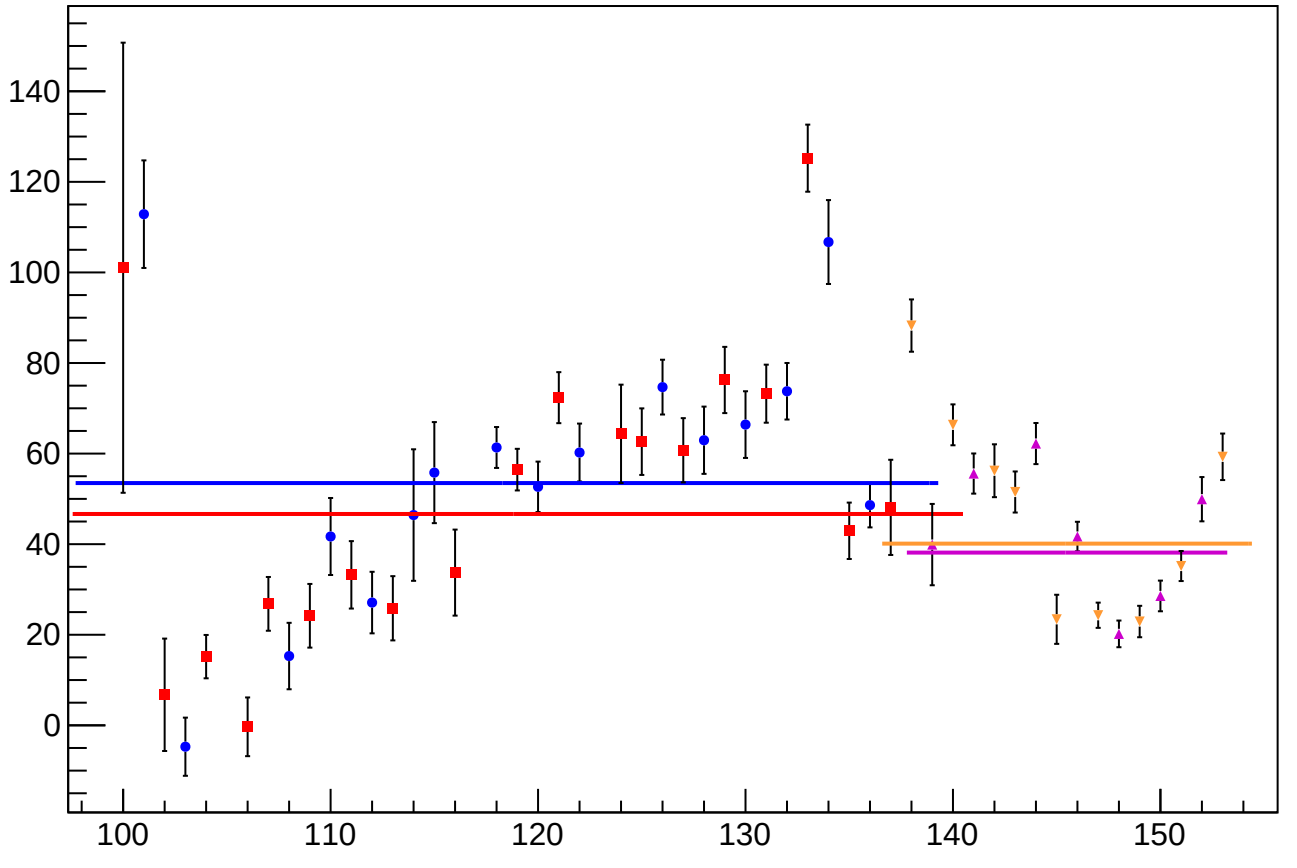
Left: 293.285+/-1.240 χ^2/NDF: 581.5/15

Right: 306.088+/-1.083 χ^2/NDF: 9425.9/34

In: 309.712+/-1.196 χ^2/NDF:4035.5/22

Out: 292.578+/-1.115 χ^2/NDF:5922.6/27

All: 300.550+/-0.816 χ^2/NDF: 10067.9/50



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 40.119+/-1.371 χ^2/NDF:199.7/8

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

Left In: 38.140+/-1.490 χ^2/NDF:95.8/6

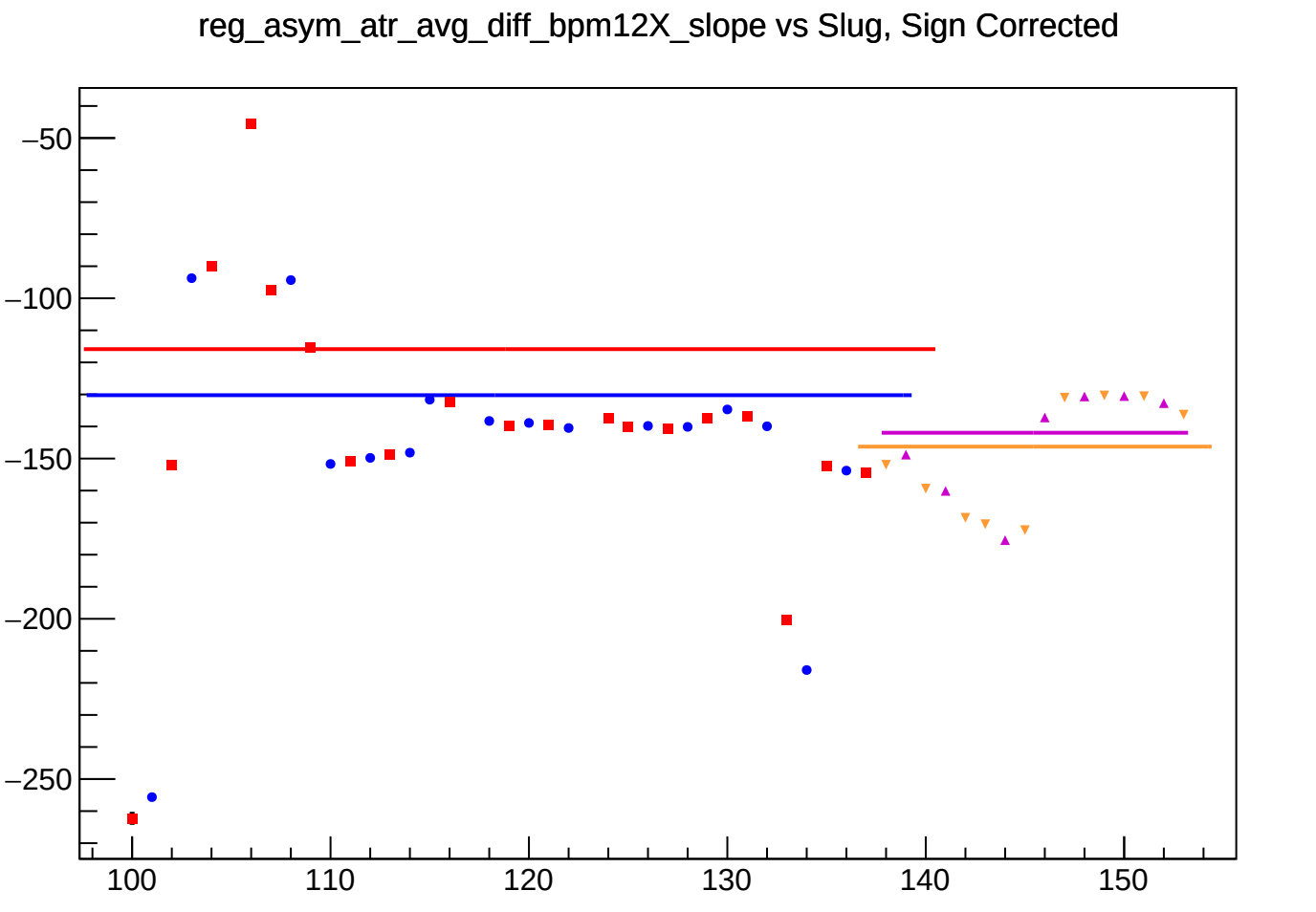
Left: 39.212+/-1.009 χ^2/NDF: 296.5/15

Right: 49.861+/-1.162 χ^2/NDF: 551.4/34

In: 44.816+/-1.120 χ^2/NDF:359.2/22

Out: 42.905+/-1.039 χ^2/NDF:535.0/27

All: 43.789+/-0.762 χ^2/NDF: 895.8/50



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -146.281+/-0.070 χ^2/NDF:58510.2/8

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

Left In: -141.950+/-0.073 χ^2/NDF:39296.9/6

Left: -144.219+/-0.050 χ^2/NDF: 99644.2/15

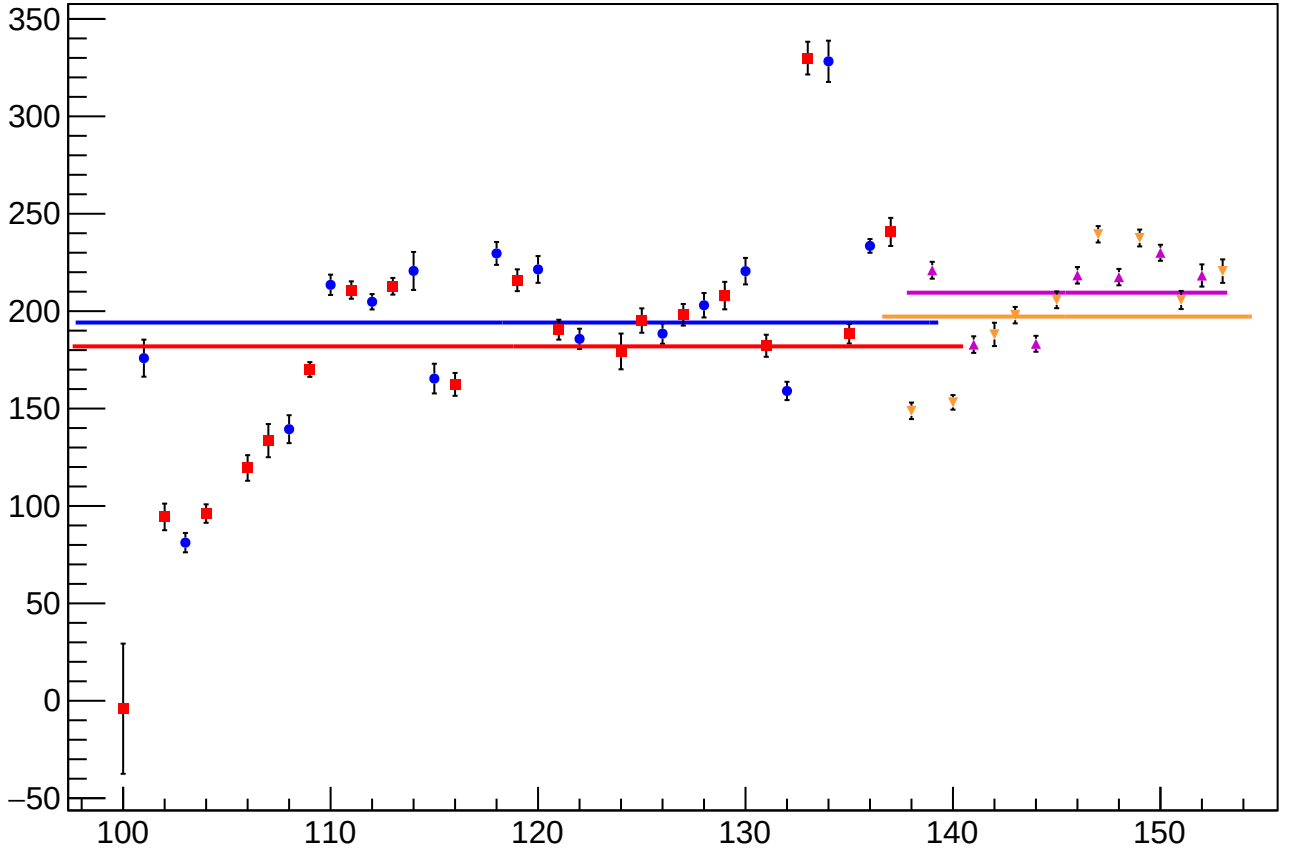
Right: -122.615+/-0.062 χ^2/NDF: 393311.6/34

In: -137.357+/-0.057 χ^2/NDF:223560.6/22

Out: -134.173+/-0.054 χ^2/NDF:340193.7/27

All: -135.681+/-0.039 χ^2/NDF: 565396.2/50

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 194.164+/-1.407 χ^2/NDF: 1035.2/15

Left Out: 197.227+/-1.493 χ^2/NDF:480.6/8

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

Left In: 209.490+/-1.643 χ^2/NDF:122.7/6

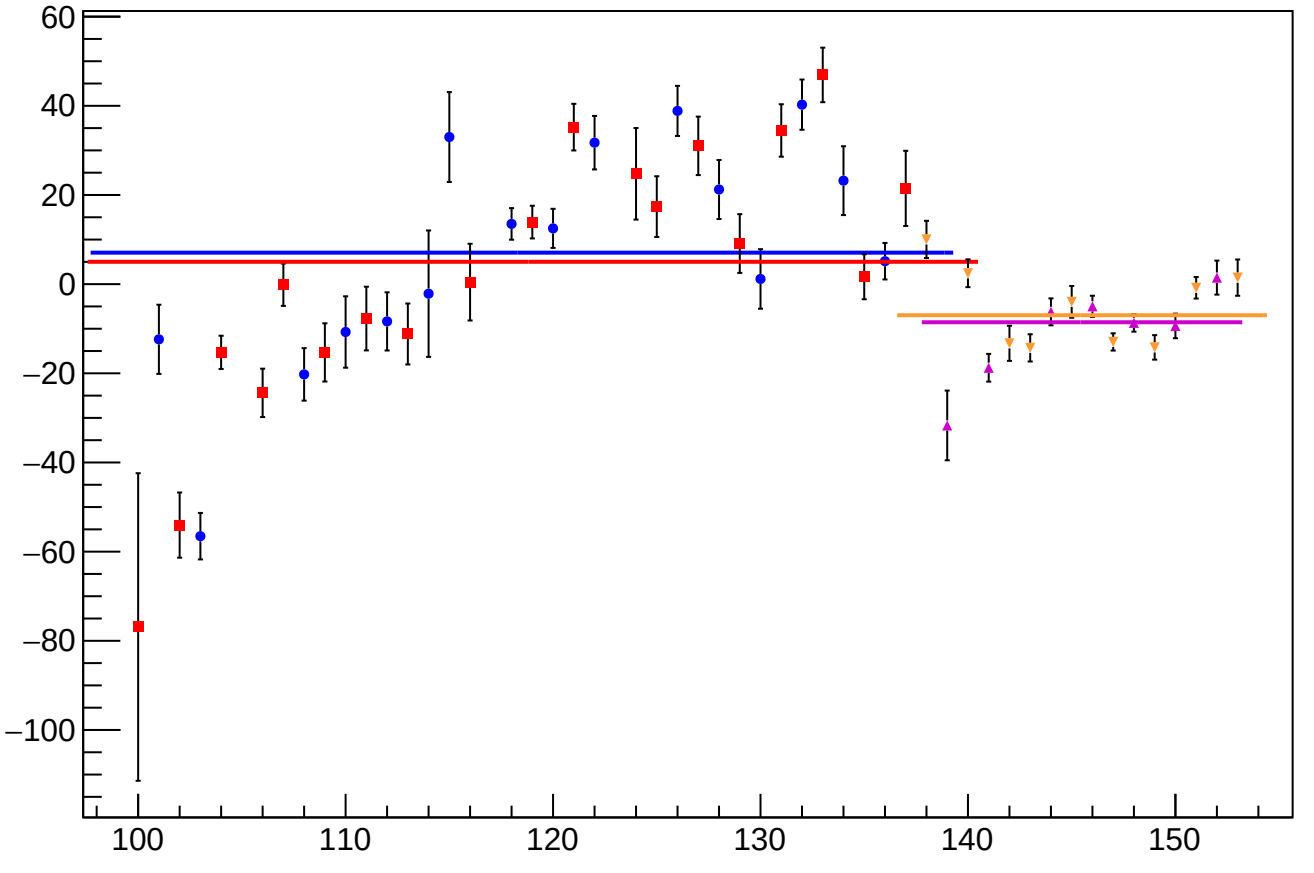
Left: 202.772+/-1.105 χ^2/NDF: 633.8/15

Right: 187.666+/-0.963 χ^2/NDF: 2280.2/34

In: 200.644+/-1.069 χ^2/NDF:1208.0/22

Out: 188.650+/-0.990 χ^2/NDF:1744.3/27

All: 194.188+/-0.726 χ^2/NDF: 3020.2/50



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: -6.973+/-0.979 χ^2/NDF:62.1/8

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

Left In: -8.548+/-1.078 χ^2/NDF:29.3/6

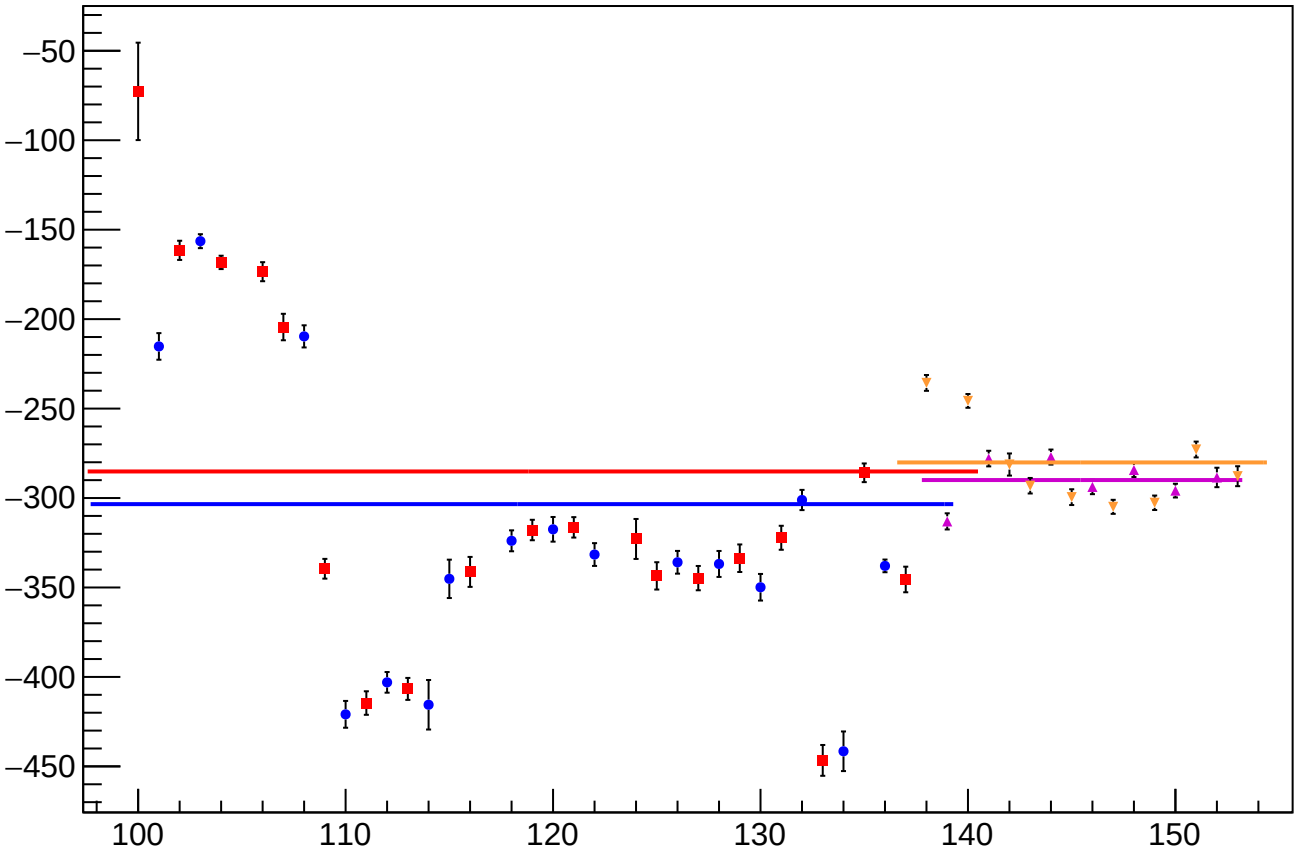
Left: -7.685+/-0.725 χ^2/NDF: 92.6/15

Right: 5.976+/-0.988 χ^2/NDF: 582.2/34

In: -2.956+/-0.863 χ^2/NDF:397.1/22

Out: -2.858+/-0.794 χ^2/NDF:402.0/27

All: -2.903+/-0.584 χ^2/NDF: 799.1/50



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -280.102+/-1.477 χ^2/NDF:284.7/8

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

Left In: -289.945+/-1.612 χ^2/NDF:48.4/6

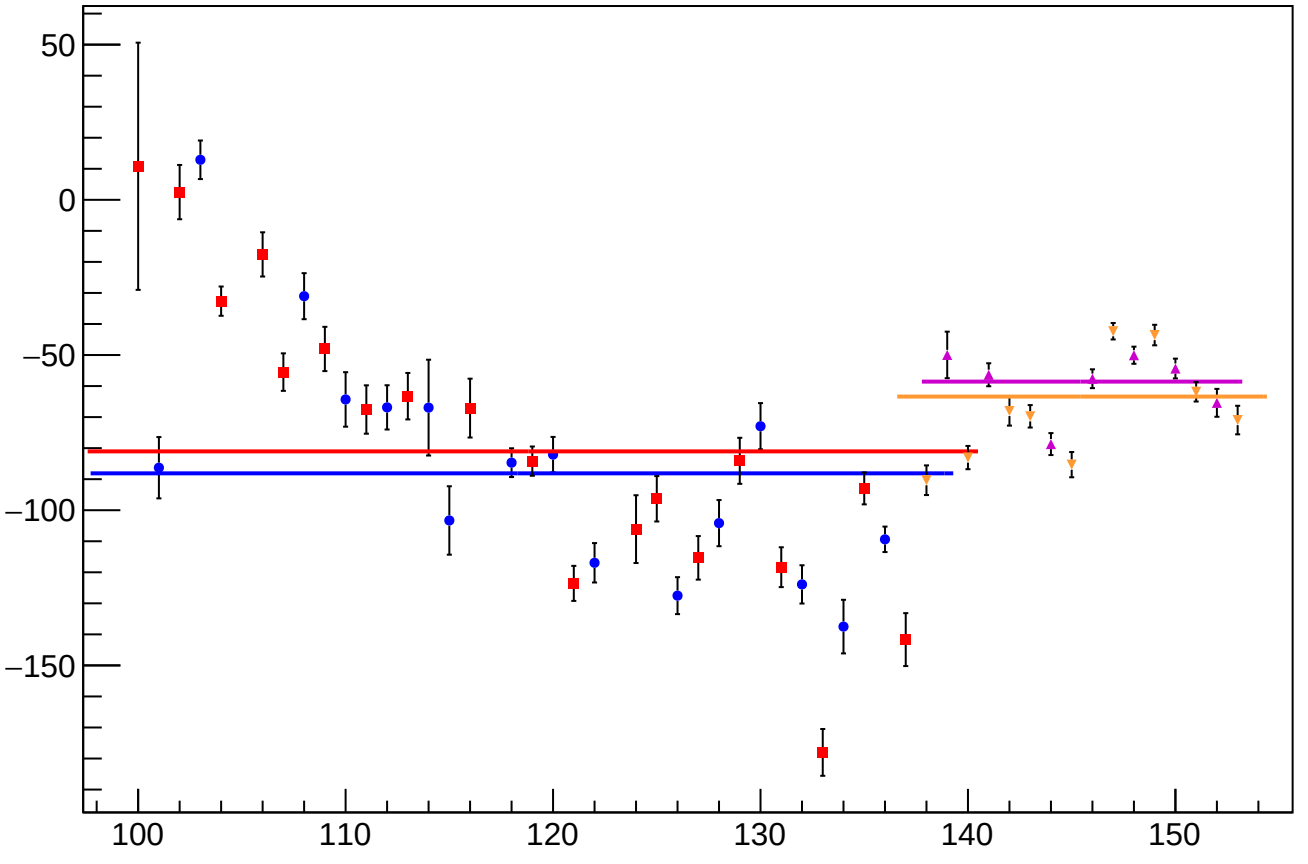
Left: -284.593+/-1.089 χ^2/NDF: 353.3/15

Right: -293.794+/-1.053 χ^2/NDF: 6615.3/34

In: -297.029+/-1.110 χ^2/NDF:2870.6/22

Out: -282.670+/-1.035 χ^2/NDF:4045.4/27

All: -289.349+/-0.757 χ^2/NDF: 7005.5/50



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -63.389+/-1.213 χ^2/NDF:194.2/8

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

Left In: -58.564+/-1.338 χ^2/NDF:47.7/6

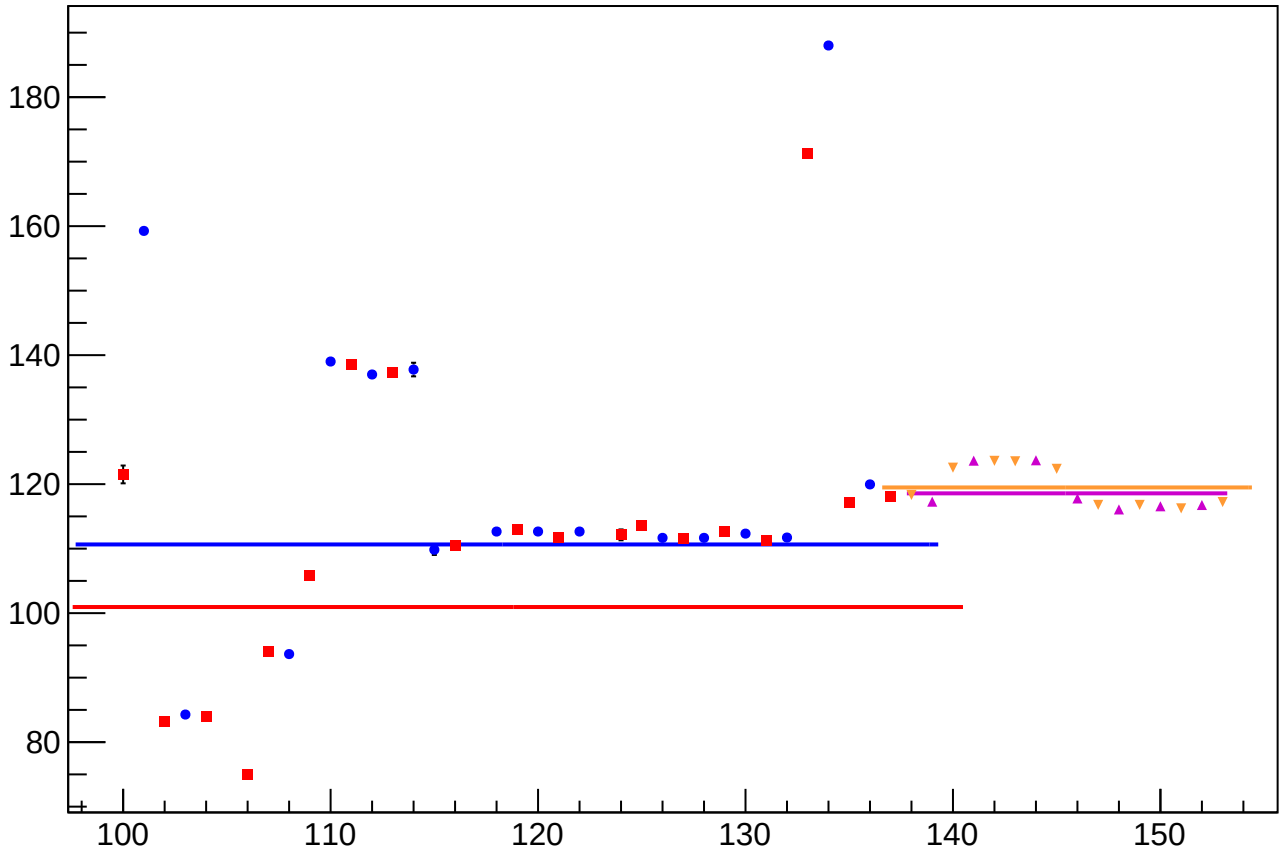
Left: -61.211+/-0.899 χ^2/NDF: 249.0/15

Right: -84.394+/-1.139 χ^2/NDF: 1199.1/34

In: -70.243+/-1.040 χ^2/NDF:752.5/22

Out: -69.996+/-0.960 χ^2/NDF:951.0/27

All: -70.109+/-0.705 χ^2/NDF: 1703.5/50



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 119.489+/-0.061 χ^2/NDF:2375.6/8

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

Left In: 118.573+/-0.065 χ^2/NDF:2126.5/6

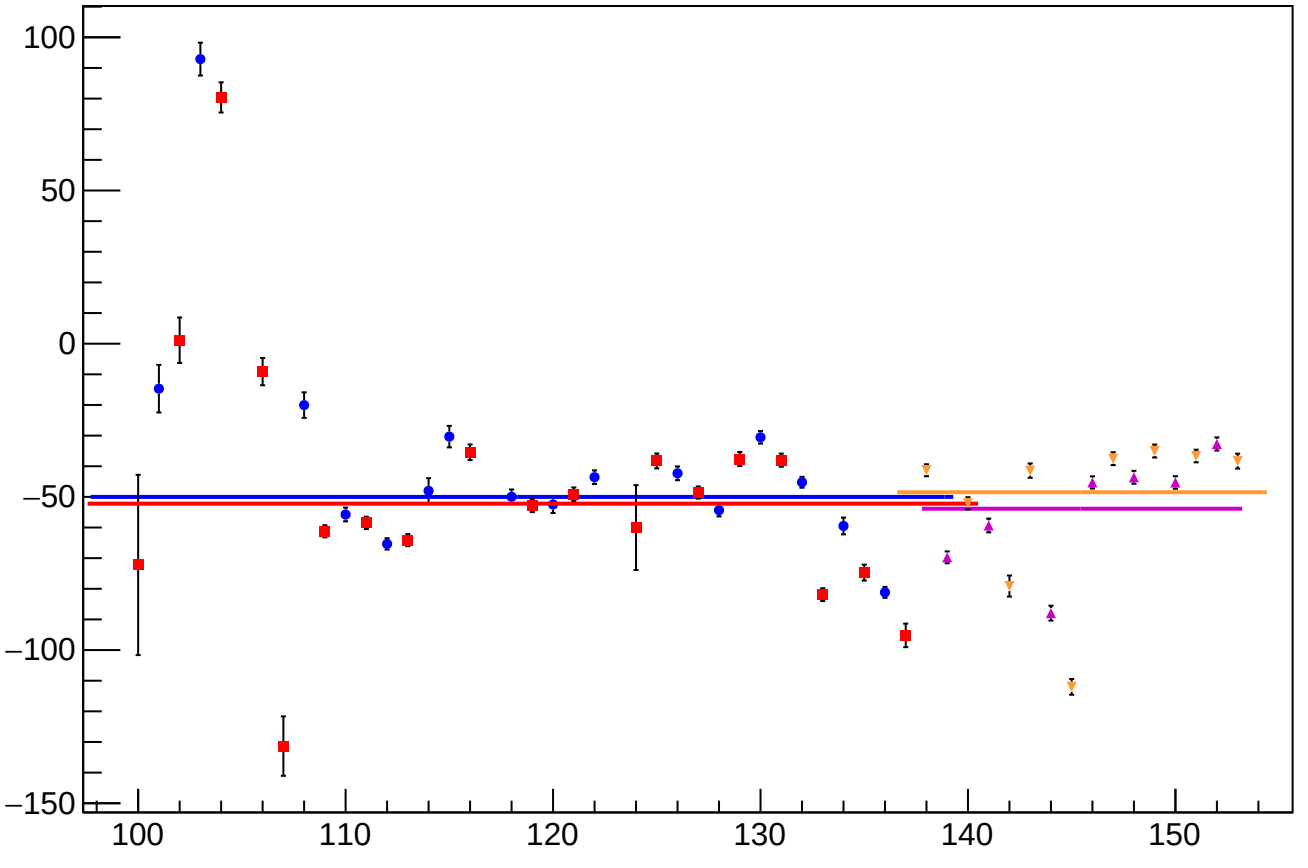
Left: 119.061+/-0.044 χ^2/NDF: 4608.3/15

Right: 105.518+/-0.059 χ^2/NDF: 152285.6/34

In: 115.692+/-0.052 χ^2/NDF:91070.7/22

Out: 112.818+/-0.049 χ^2/NDF:97938.5/27

All: 114.164+/-0.035 χ^2/NDF: 190649.5/50



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -48.485+/-0.749 χ^2/NDF:832.3/8

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

Left In: -53.869+/-0.800 χ^2/NDF:425.1/6

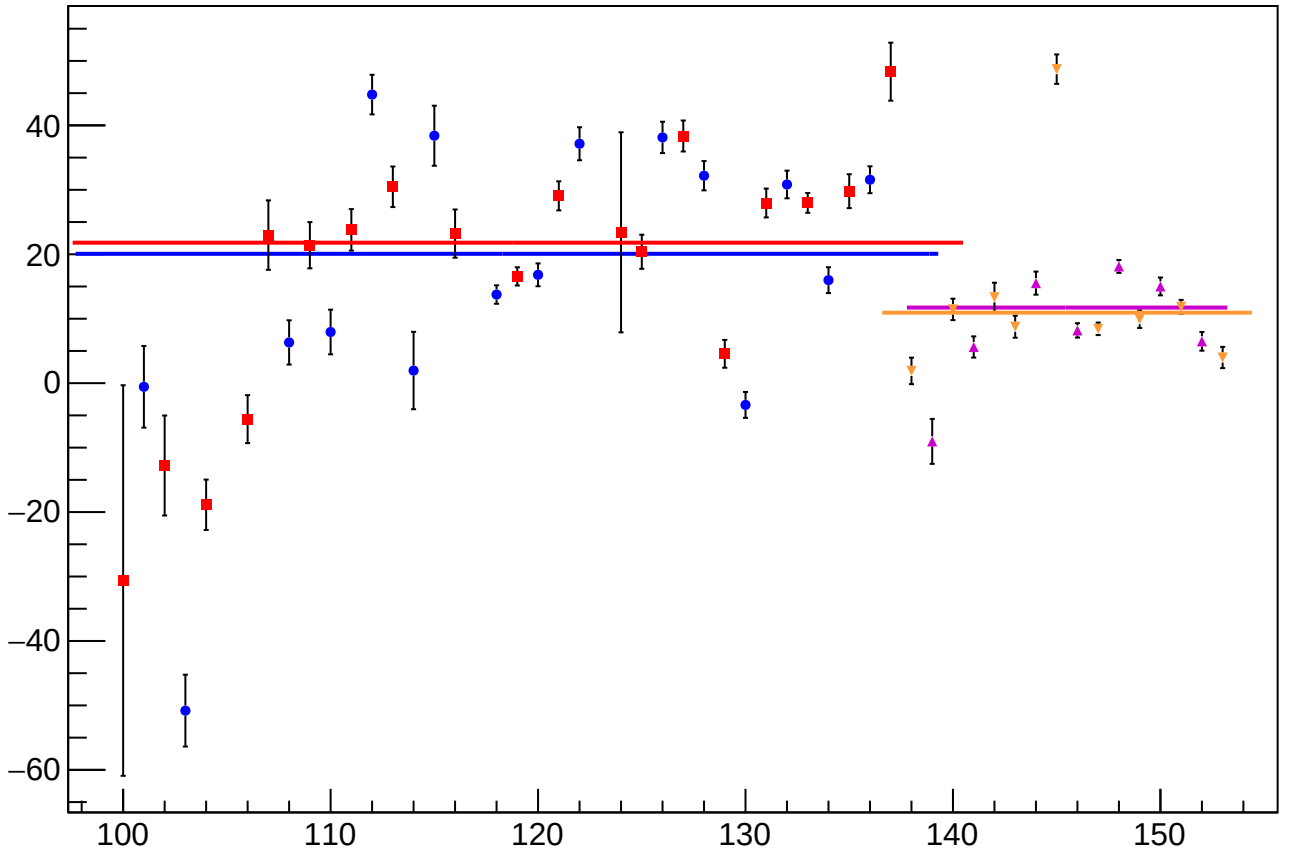
Left: -51.000+/-0.547 χ^2/NDF: 1281.5/15

Right: -51.116+/-0.430 χ^2/NDF: 2904.2/34

In: -51.428+/-0.485 χ^2/NDF:1767.2/22

Out: -50.737+/-0.471 χ^2/NDF:2417.6/27

All: -51.072+/-0.338 χ^2/NDF: 4185.8/50



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 10.940+/-0.490 χ^2/NDF:321.2/8

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

Left In: 11.733+/-0.529 χ^2/NDF:123.4/6

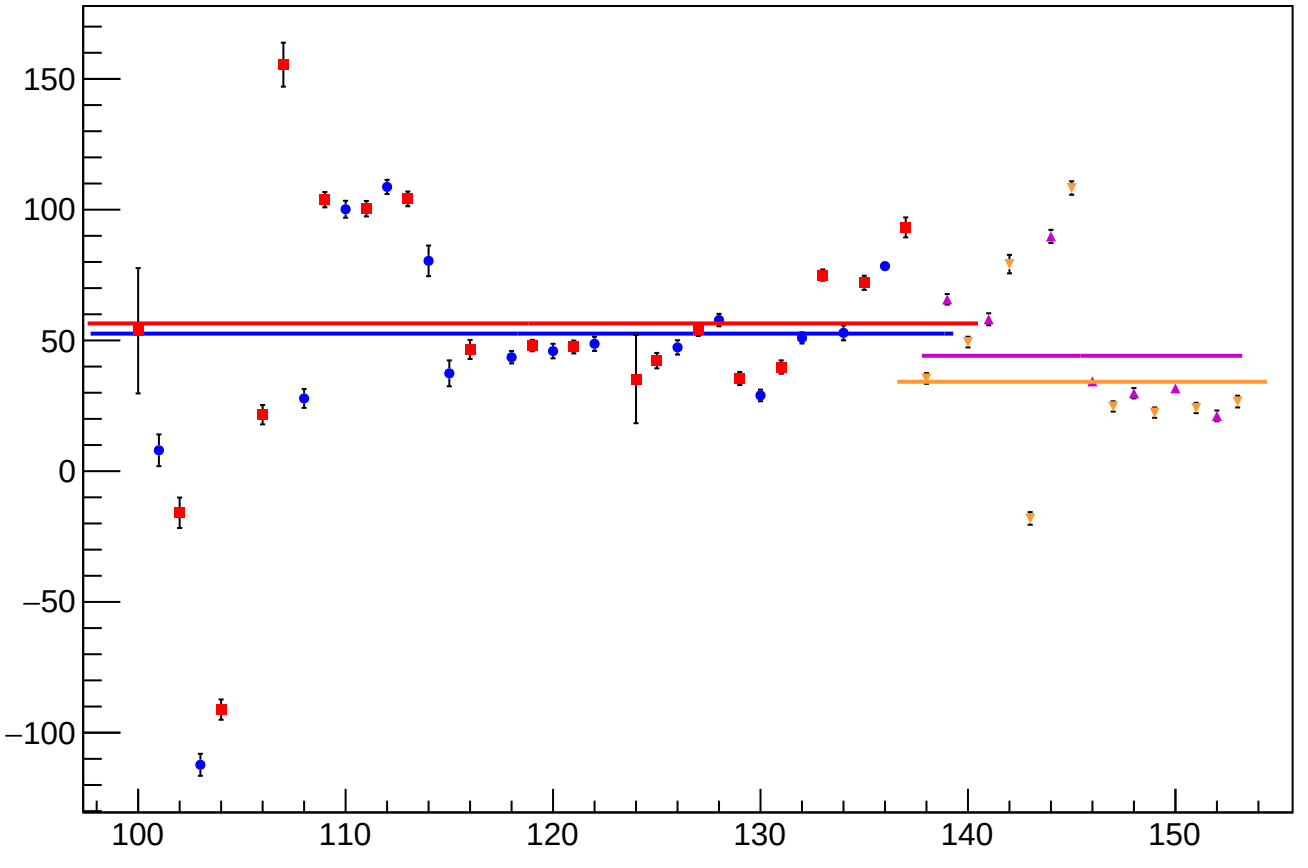
Left: 11.306+/-0.360 χ^2/NDF: 445.9/15

Right: 20.922+/-0.436 χ^2/NDF: 1036.5/34

In: 15.302+/-0.400 χ^2/NDF:865.9/22

Out: 15.099+/-0.385 χ^2/NDF:905.6/27

All: 15.197+/-0.277 χ^2/NDF: 1771.6/50



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 34.187+/-0.736 χ^2/NDF:1597.0/8

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

Left In: 44.134+/-0.783 χ^2/NDF:729.3/6

Left: 38.854+/-0.536 χ^2/NDF: 2412.1/15

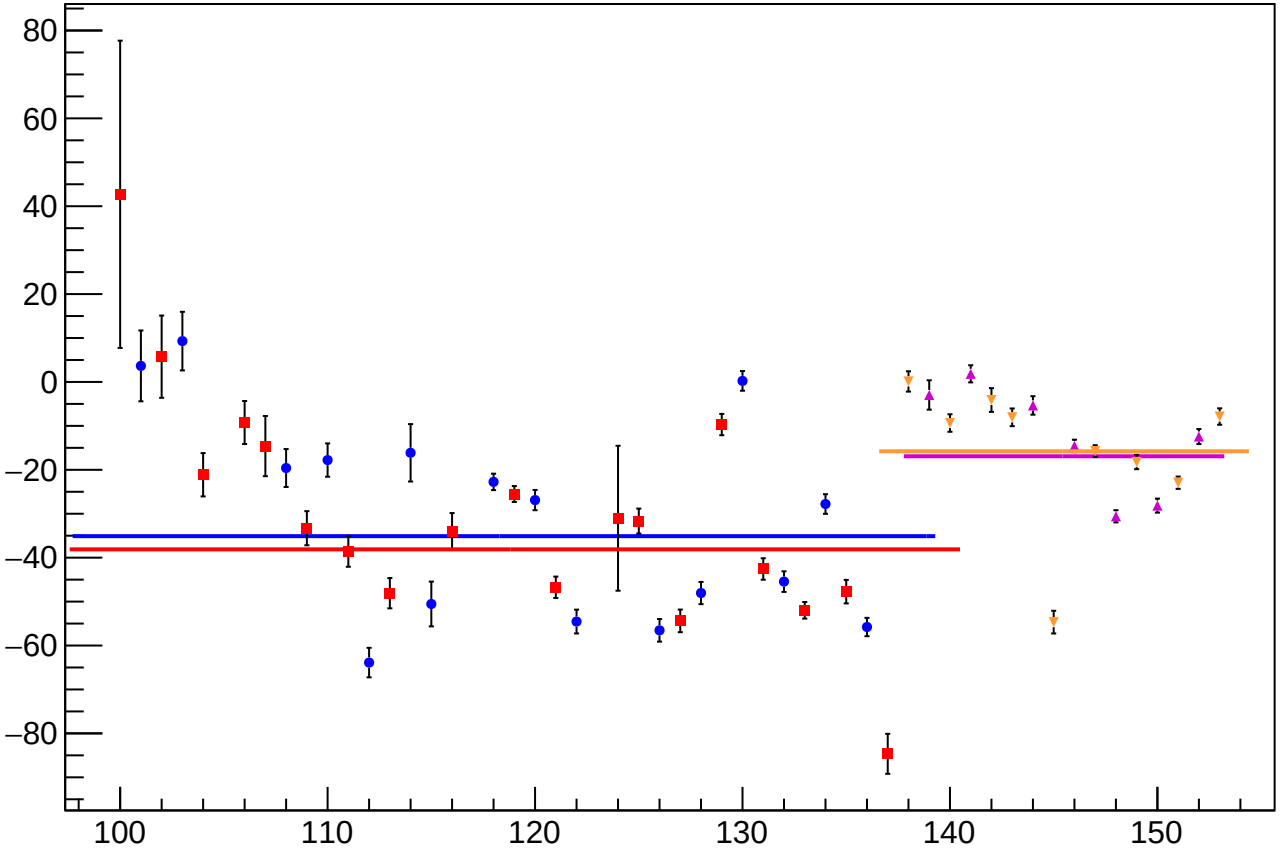
Right: 54.527+/-0.496 χ^2/NDF: 5640.4/34

In: 48.861+/-0.520 χ^2/NDF:3454.1/22

Out: 45.812+/-0.509 χ^2/NDF:5041.7/27

All: 47.304+/-0.364 χ^2/NDF: 8513.4/50

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: -15.783+/-0.607 χ^2/NDF:364.1/8

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

Left In: -16.923+/-0.656 χ^2/NDF:296.2/6

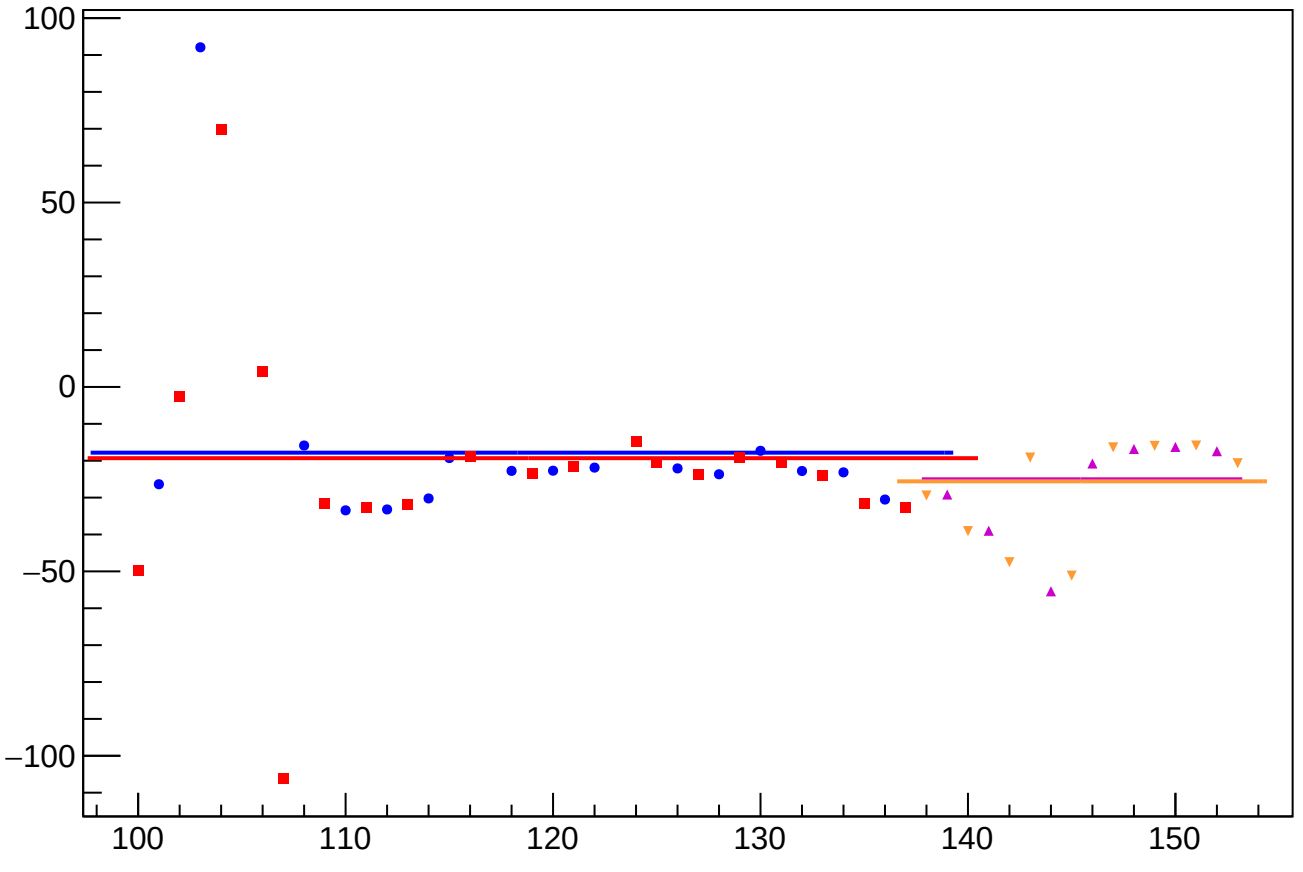
Left: -16.309+/-0.445 χ^2/NDF: 661.9/15

Right: -36.577+/-0.500 χ^2/NDF: 1296.8/34

In: -25.418+/-0.479 χ^2/NDF:1428.7/22

Out: -25.153+/-0.462 χ^2/NDF:1446.3/27

All: -25.281+/-0.333 χ^2/NDF: 2875.1/50



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -25.590+/-0.030 χ^2/NDF:158425.1/8

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

Left In: -25.040+/-0.031 χ^2/NDF:135209.4/6

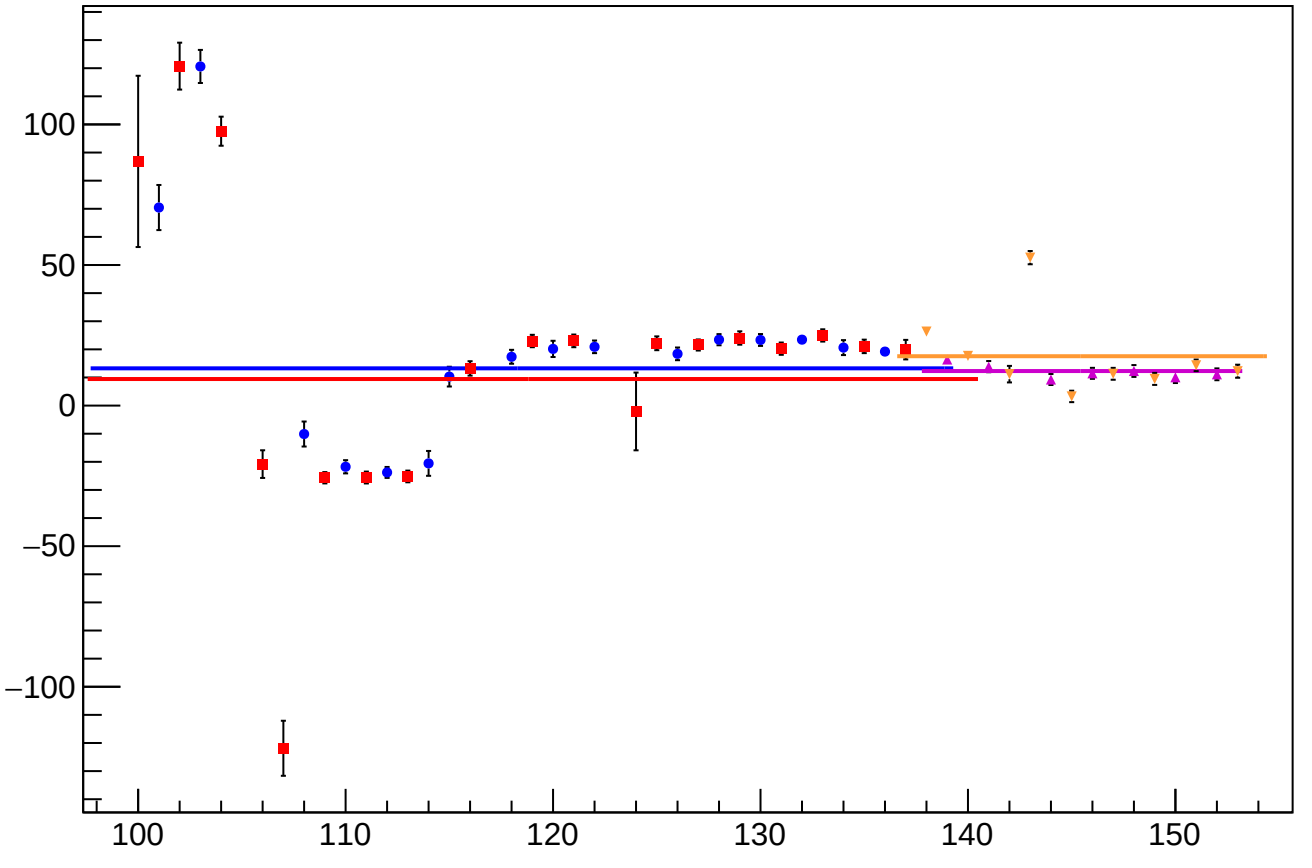
Left: -25.326+/-0.021 χ^2/NDF: 293799.0/15

Right: -18.516+/-0.032 χ^2/NDF: 771290.6/34

In: -22.589+/-0.025 χ^2/NDF:579756.5/22

Out: -23.745+/-0.025 χ^2/NDF:516160.4/27

All: -23.171+/-0.018 χ^2/NDF: 1096978.1/50



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 17.560+/-0.701 χ^2/NDF:329.6/8

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

Left In: 12.287+/-0.745 χ^2/NDF:10.3/6

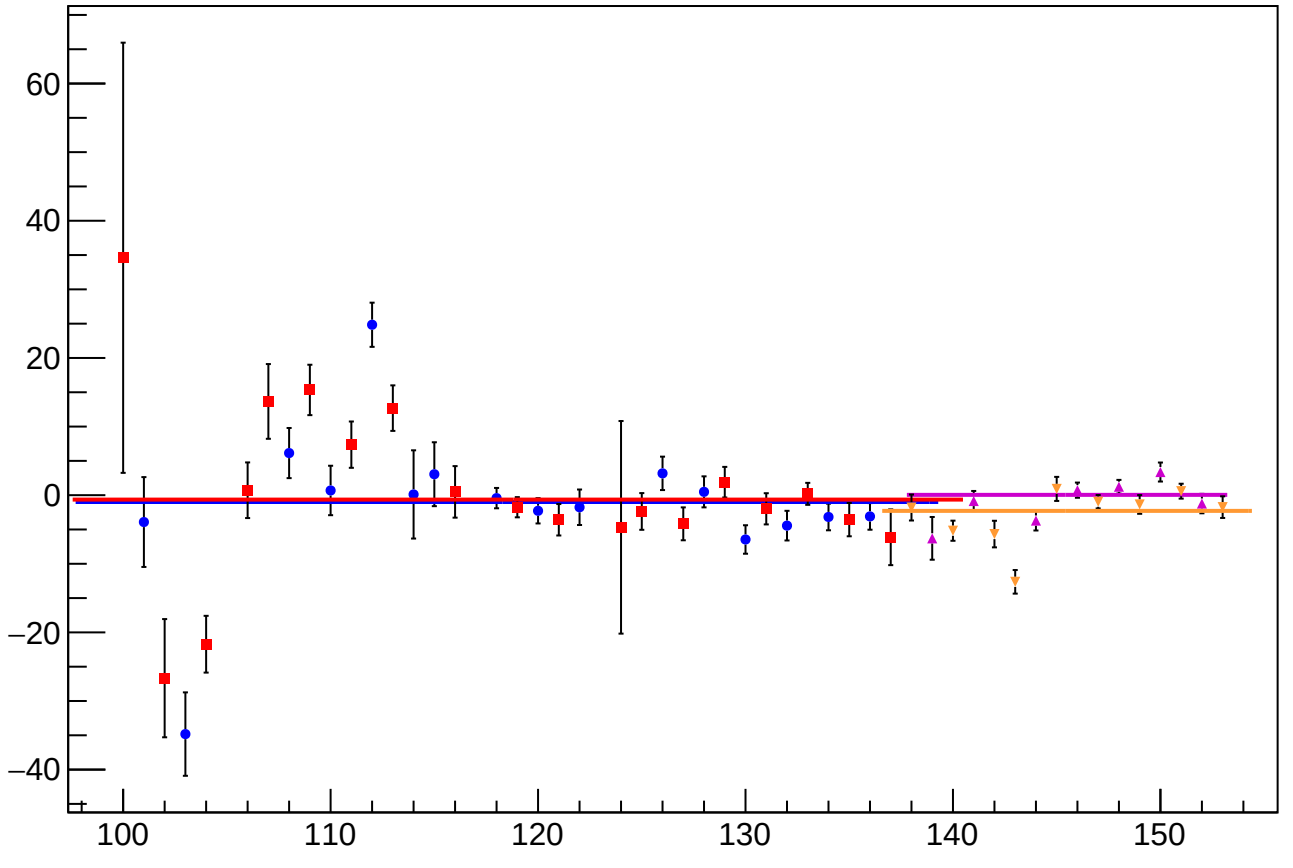
Left: 15.086+/-0.510 χ^2/NDF: 366.4/15

Right: 11.351+/-0.435 χ^2/NDF: 3038.2/34

In: 12.860+/-0.474 χ^2/NDF:1193.8/22

Out: 12.979+/-0.462 χ^2/NDF:2241.9/27

All: 12.921+/-0.331 χ^2/NDF: 3435.7/50



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -2.289+/-0.471 χ^2/NDF:56.0/8

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

Left In: 0.046+/-0.507 χ^2/NDF:19.6/6

Left: -1.208+/-0.345 χ^2/NDF: 87.0/15

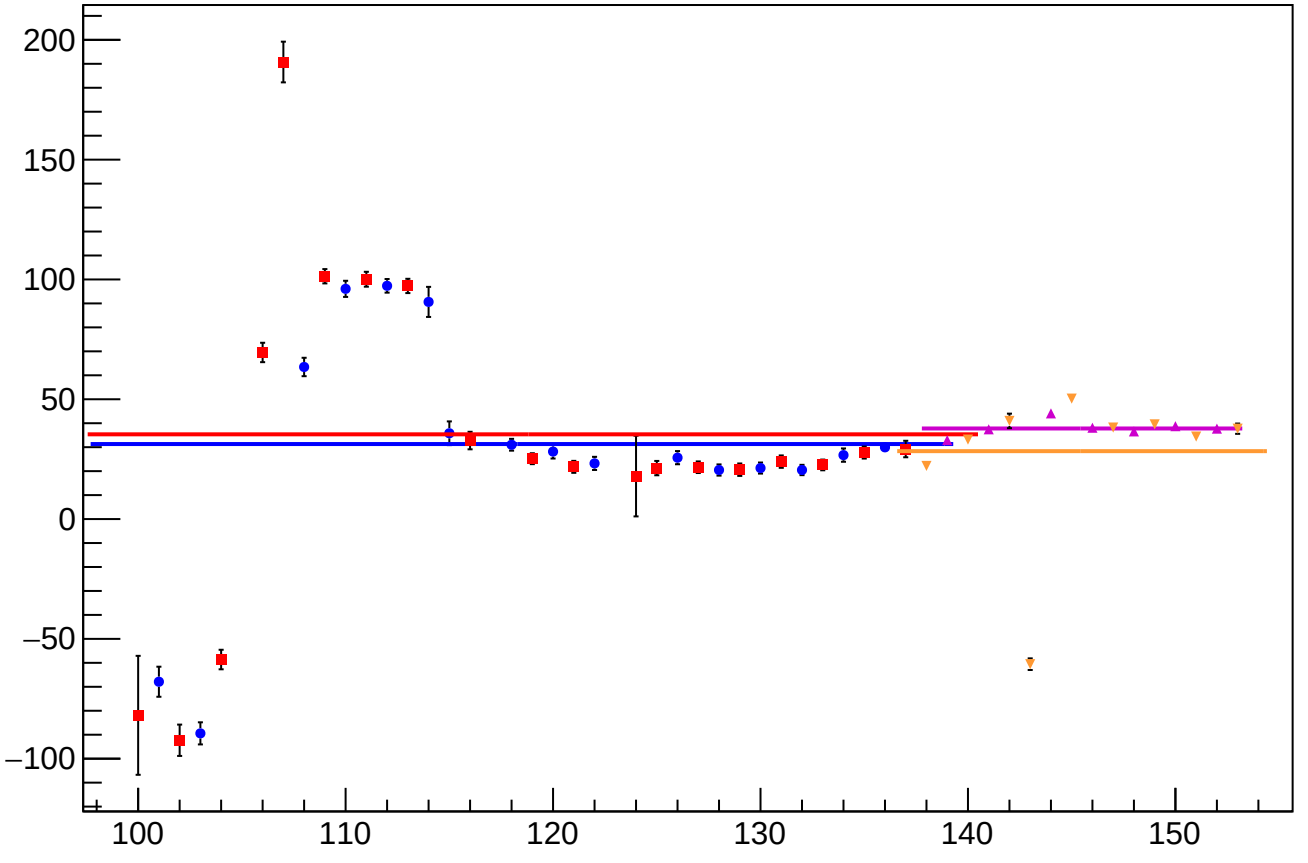
Right: -0.823+/-0.443 χ^2/NDF: 210.7/34

In: -0.371+/-0.392 χ^2/NDF:137.6/22

Out: -1.707+/-0.378 χ^2/NDF:154.6/27

All: -1.063+/-0.272 χ^2/NDF: 298.2/50

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 28.343+/-0.692 χ^2/NDF:1574.0/8

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

Left In: 37.804+/-0.734 χ^2/NDF:17.8/6

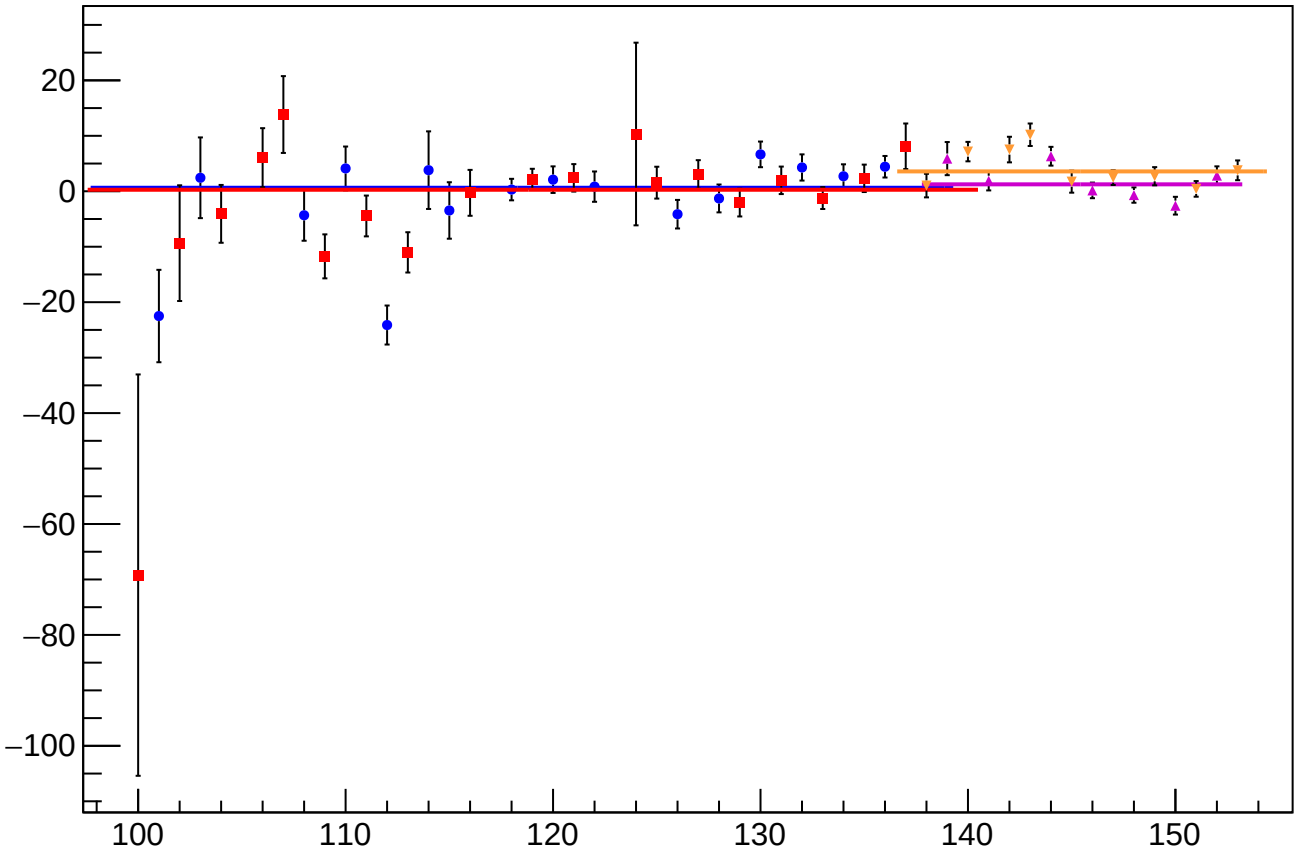
Left: 32.800+/-0.503 χ^2/NDF: 1679.8/15

Right: 33.289+/-0.501 χ^2/NDF: 4999.9/34

In: 34.406+/-0.507 χ^2/NDF:2144.7/22

Out: 31.731+/-0.498 χ^2/NDF:4521.3/27

All: 33.046+/-0.355 χ^2/NDF: 6680.2/50



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 3.582+/-0.579 χ^2/NDF:26.0/8

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

Left In: 1.251+/-0.624 χ^2/NDF:20.8/6

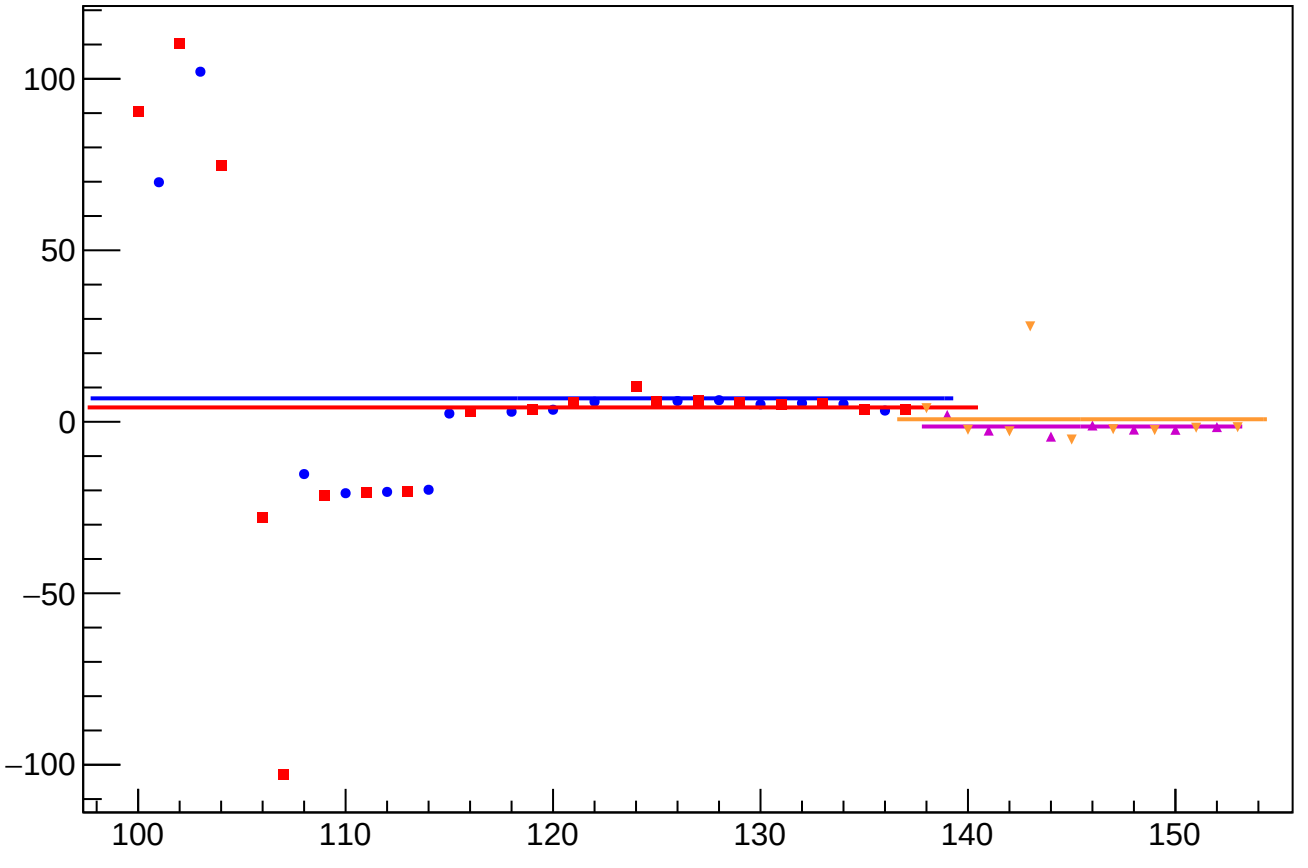
Left: 2.503+/-0.424 χ^2/NDF: 54.2/15

Right: 0.459+/-0.506 χ^2/NDF: 119.0/34

In: 0.979+/-0.467 χ^2/NDF:99.6/22

Out: 2.296+/-0.453 χ^2/NDF:79.1/27

All: 1.658+/-0.325 χ^2/NDF: 182.9/50



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: 0.740+/-0.028 χ^2/NDF:86171.6/8

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

Left In: -1.373+/-0.029 χ^2/NDF:4330.1/6

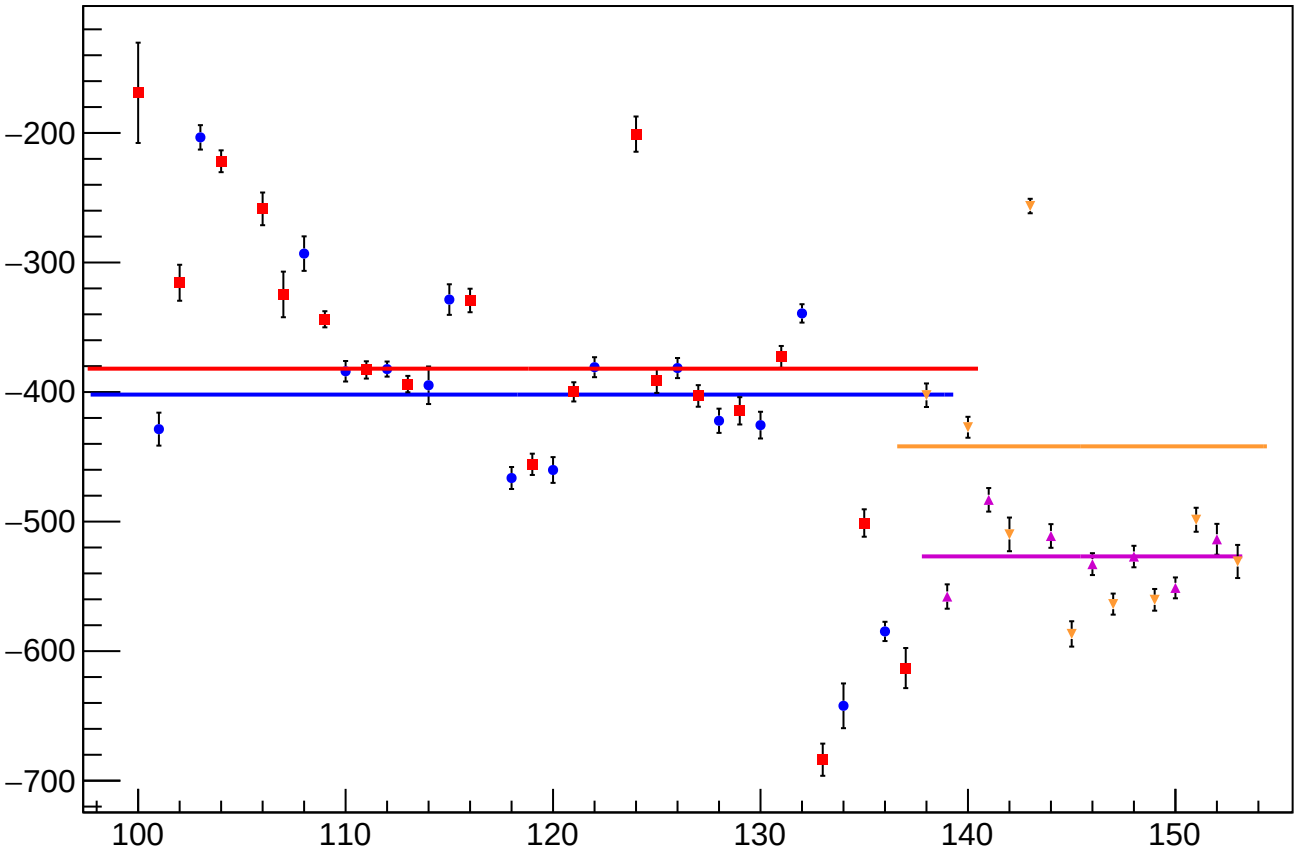
Left: -0.273+/-0.020 χ^2/NDF: 93246.1/15

Right: 5.616+/-0.031 χ^2/NDF: 757263.1/34

In: 1.218+/-0.024 χ^2/NDF:350419.5/22

Out: 1.661+/-0.024 χ^2/NDF:524789.4/27

All: 1.441+/-0.017 χ^2/NDF: 875379.1/50



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -441.920+/-2.852 χ^2/NDF:1881.1/8

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

Left In: -526.865+/-3.402 χ^2/NDF:47.7/6

Left: -476.972+/-2.186 χ^2/NDF: 2294.9/15

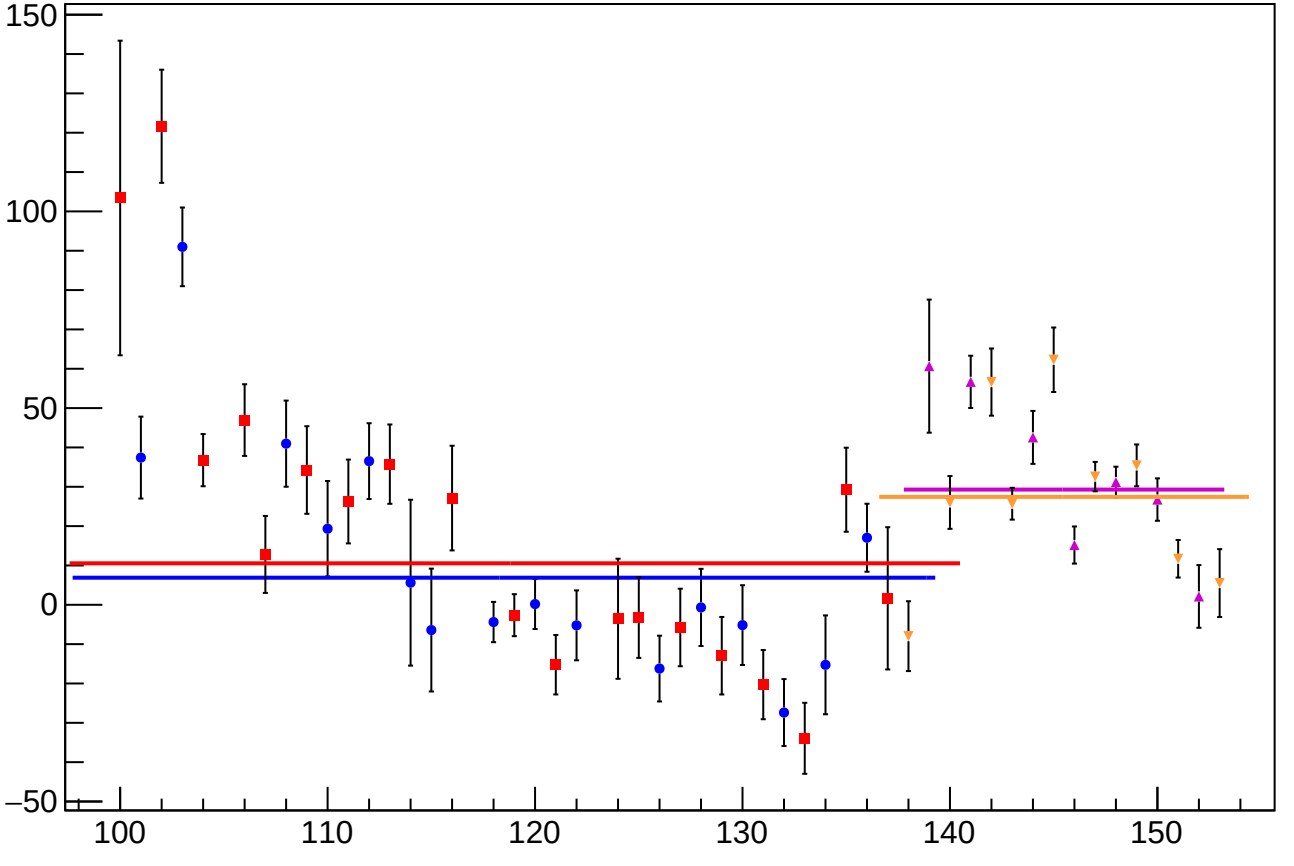
Right: -391.443+/-1.540 χ^2/NDF: 3422.8/34

In: -439.635+/-1.869 χ^2/NDF:2552.1/22

Out: -403.351+/-1.704 χ^2/NDF:3982.9/27

All: -419.821+/-1.259 χ^2/NDF: 6741.0/50

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 27.435+/-1.860 χ^2/NDF:67.4/8

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

Left In: 29.288+/-2.188 χ^2/NDF:45.3/6

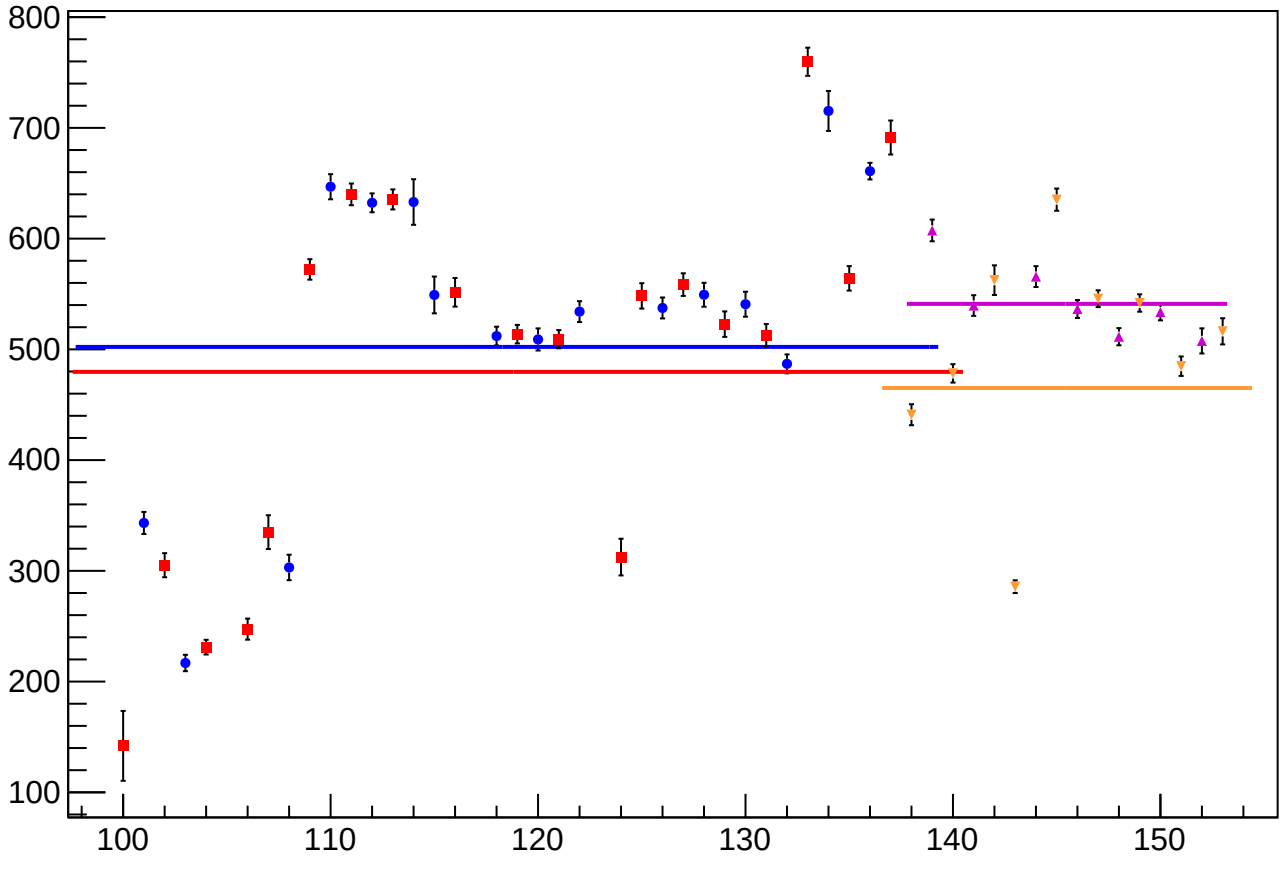
Left: 28.212+/-1.417 χ^2/NDF: 113.1/15

Right: 8.772+/-1.577 χ^2/NDF: 319.8/34

In: 18.472+/-1.573 χ^2/NDF:234.4/22

Out: 20.381+/-1.420 χ^2/NDF:281.8/27

All: 19.524+/-1.054 χ^2/NDF: 517.0/50



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 465.103+/-2.826 χ^2/NDF:1558.3/8

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

Left In: 541.065+/-3.324 χ^2/NDF:77.2/6

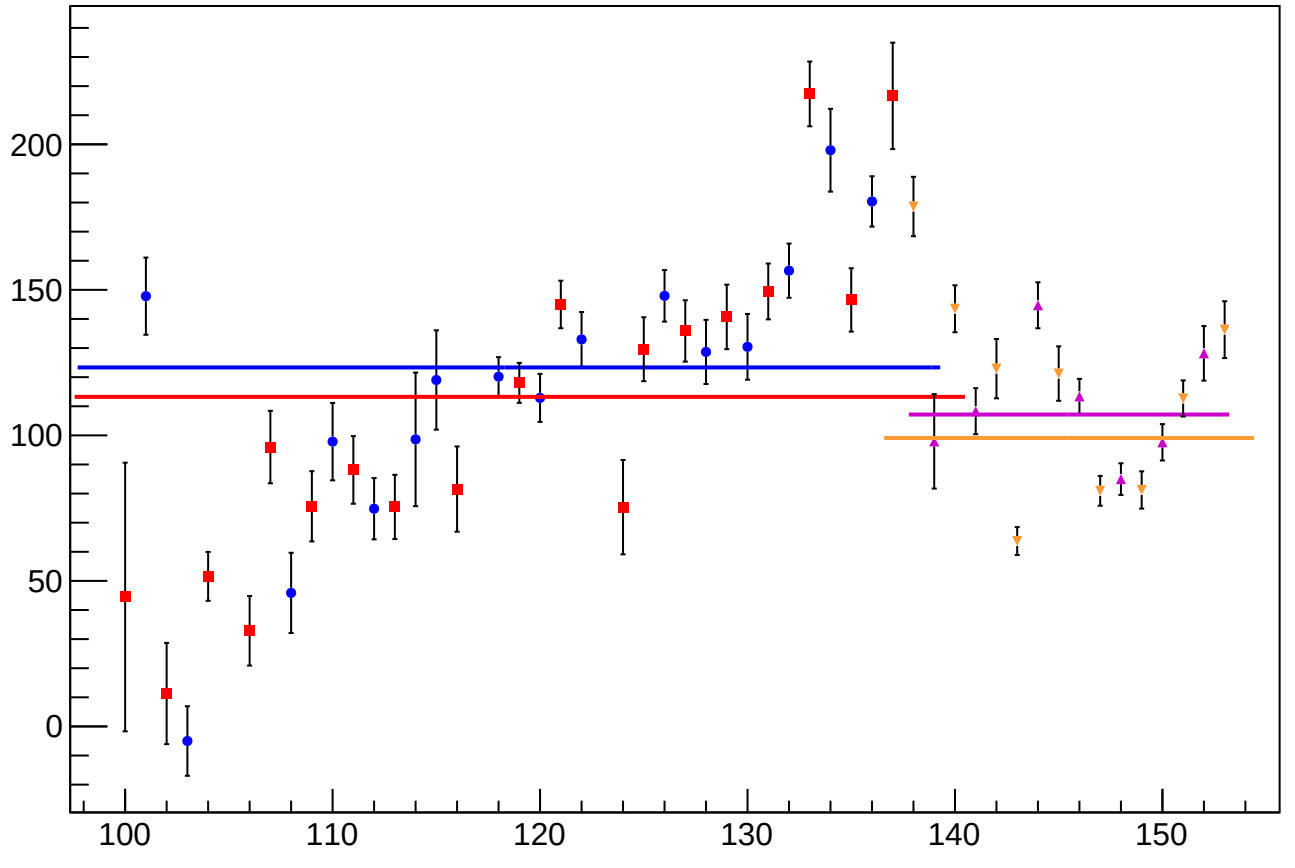
Left: 496.973+/-2.153 χ^2/NDF: 1938.7/15

Right: 490.515+/-1.729 χ^2/NDF: 7316.1/34

In: 516.200+/-1.994 χ^2/NDF:3299.8/22

Out: 473.573+/-1.829 χ^2/NDF:5712.3/27

All: 493.047+/-1.348 χ^2/NDF: 9260.2/50



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 99.103+/-2.303 χ^2/NDF:196.4/8

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

Left In: 107.160+/-2.728 χ^2/NDF:48.0/6

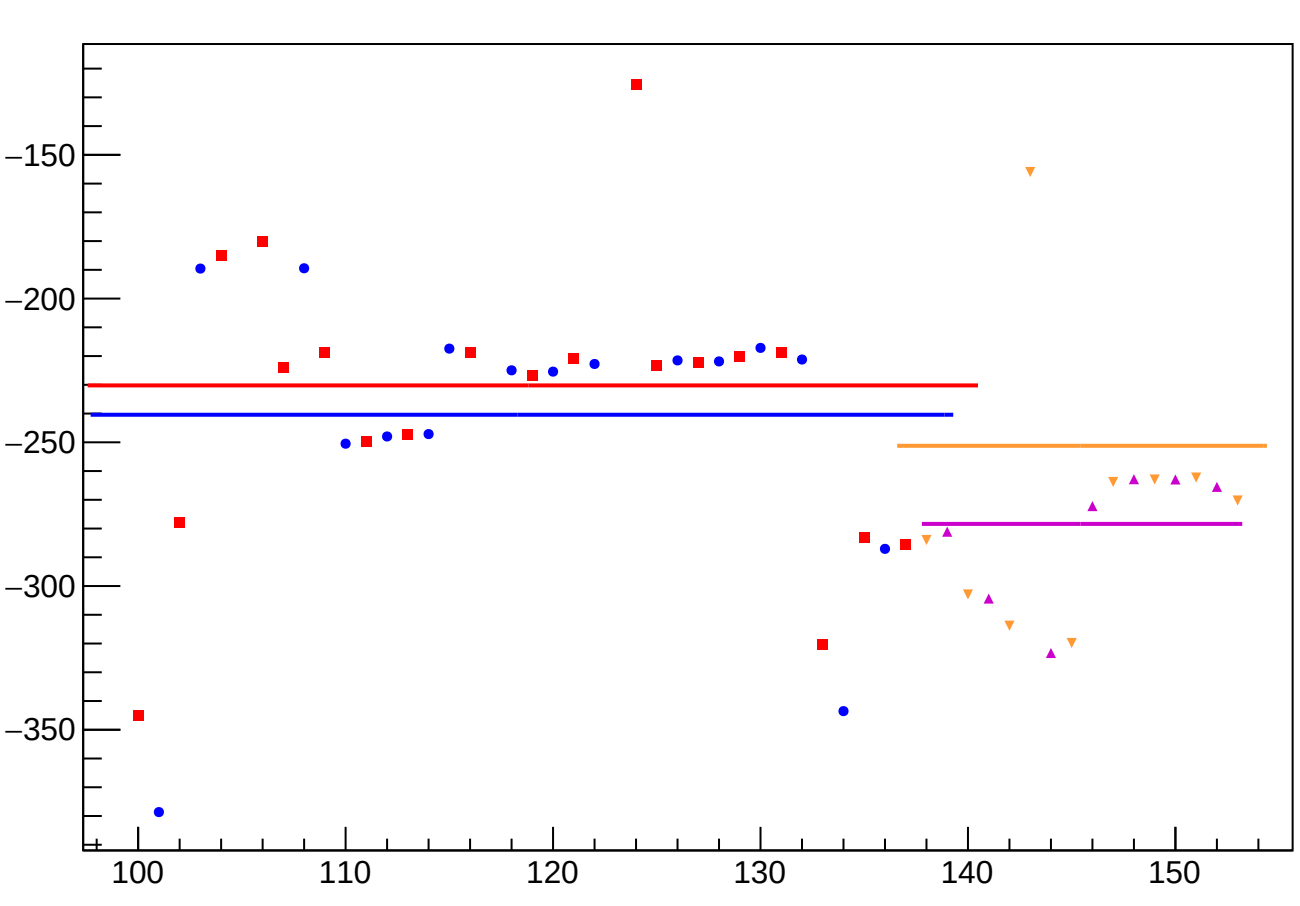
Left: 102.456+/-1.760 χ^2/NDF: 249.5/15

Right: 118.129+/-1.828 χ^2/NDF: 624.8/34

In: 115.557+/-1.892 χ^2/NDF:337.6/22

Out: 105.465+/-1.708 χ^2/NDF:559.1/27

All: 109.995+/-1.268 χ^2/NDF: 912.4/50



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -251.213+/-0.117 χ^2/NDF:233857.4/8

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

Left In: -278.386+/-0.134 χ^2/NDF:22360.7/6

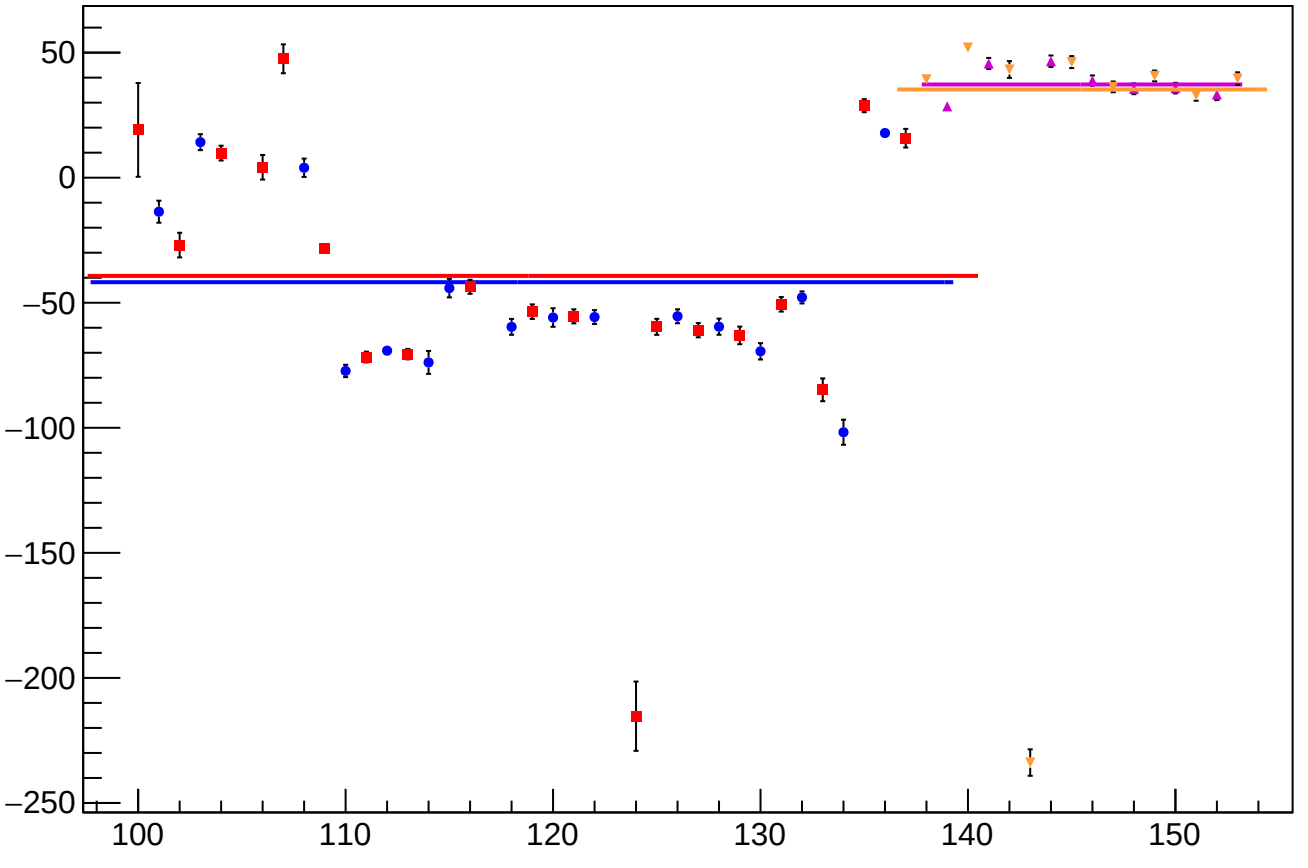
Left: -262.945+/-0.088 χ^2/NDF: 279623.8/15

Right: -235.167+/-0.105 χ^2/NDF: 219942.1/34

In: -261.624+/-0.100 χ^2/NDF:192022.2/22

Out: -243.057+/-0.091 χ^2/NDF:329866.7/27

All: -251.490+/-0.067 χ^2/NDF: 540678.3/50



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 35.265+/-0.785 χ^2/NDF:2702.7/8

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

Left In: 37.266+/-0.804 χ^2/NDF:56.5/6

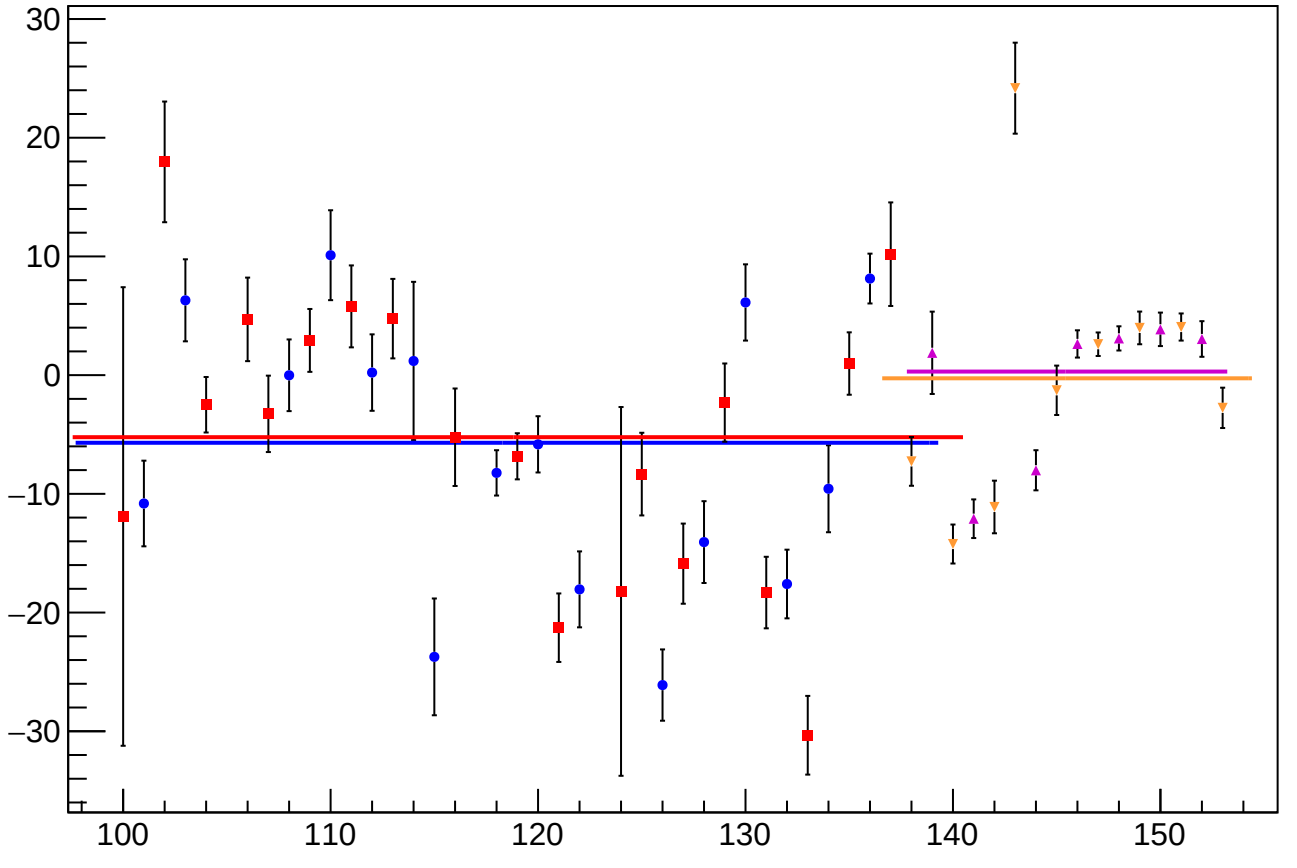
Left: 36.242+/-0.562 χ^2/NDF: 2762.3/15

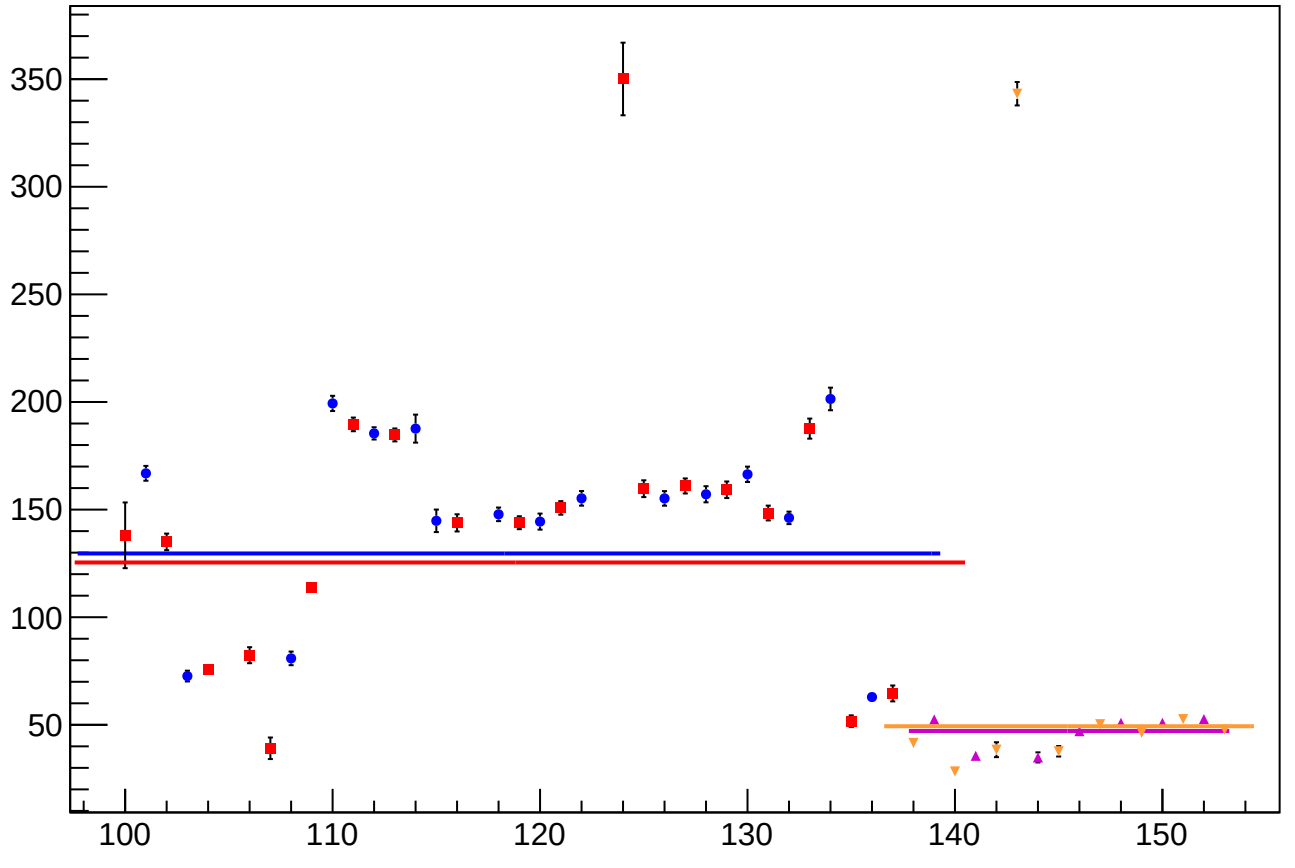
Right: -40.447+/-0.495 χ^2/NDF: 4890.2/34

In: -6.436+/-0.538 χ^2/NDF:7806.4/22

Out: -7.327+/-0.514 χ^2/NDF:10333.9/27

All: -6.902+/-0.371 χ^2/NDF: 18141.7/50


reg_asym_at2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
−30
100
110
120
130
140
150
Right In: -5.697+/-0.753 χ²/NDF: 196.7/15
Left Out: -0.267+/-0.515 χ²/NDF:183.1/8
Right Out: -5.227+/-0.740 χ²/NDF: 197.3/18
Left In: 0.301+/-0.536 χ²/NDF:103.7/6
Left: 0.005+/-0.371 χ²/NDF: 287.4/15
Right: -5.458+/-0.528 χ²/NDF: 394.3/34
In: -1.718+/-0.437 χ²/NDF:342.6/22
Out: -1.886+/-0.423 χ²/NDF:410.7/27
All: -1.805+/-0.304 χ²/NDF: 753.3/50



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 49.341+/-0.770 χ^2/NDF:3080.3/8

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

Left In: 47.138+/-0.788 χ^2/NDF:74.1/6

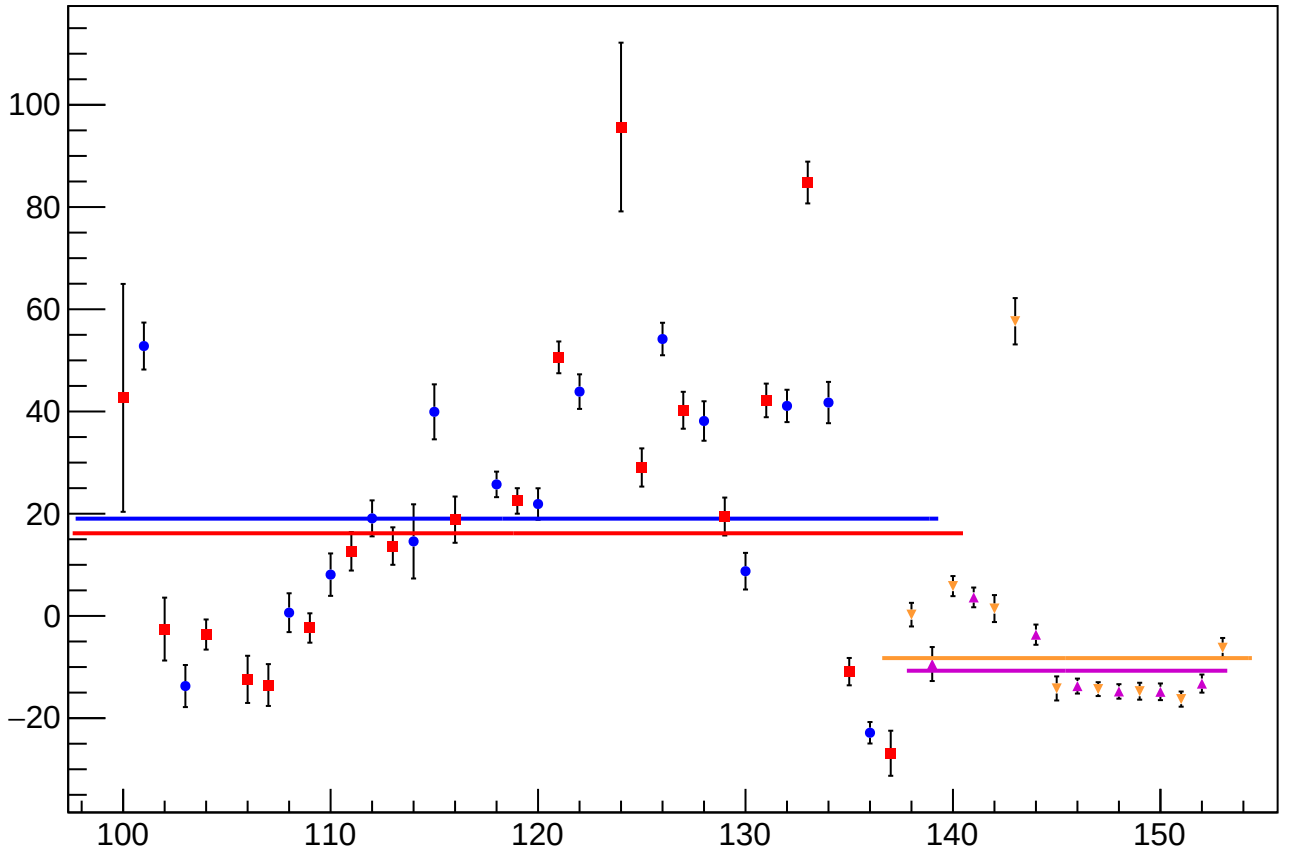
Left: 48.265+/-0.551 χ^2/NDF: 3158.4/15

Right: 127.500+/-0.562 χ^2/NDF: 7141.4/34

In: 87.741+/-0.562 χ^2/NDF:9087.6/22

Out: 86.429+/-0.551 χ^2/NDF:11341.6/27

All: 87.073+/-0.393 χ^2/NDF: 20431.9/50



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: -8.250+/-0.639 χ^2/NDF:361.7/8

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

Left In: -10.720+/-0.663 χ^2/NDF:88.9/6

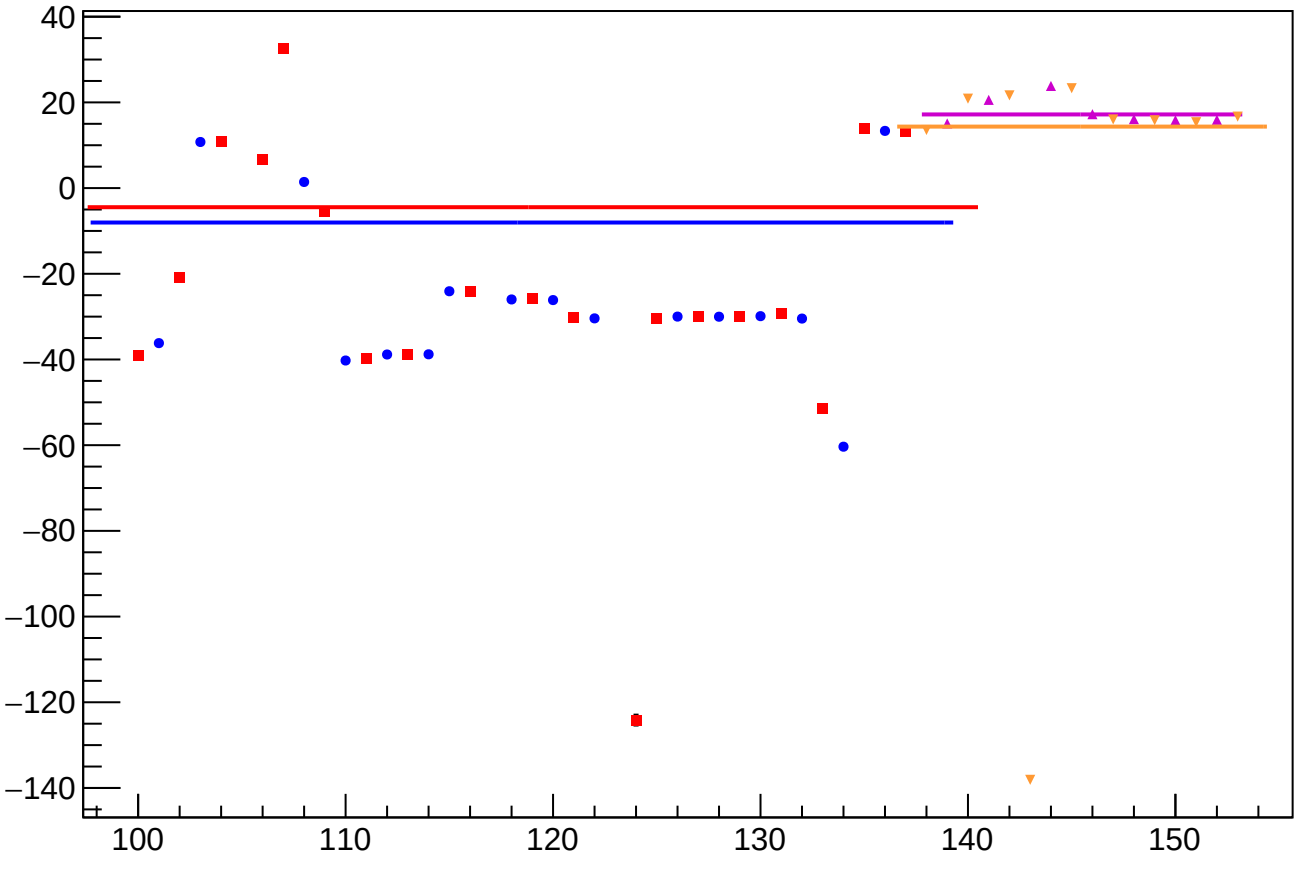
Left: -9.438+/-0.460 χ^2/NDF: 457.8/15

Right: 17.581+/-0.603 χ^2/NDF: 1804.9/34

In: 0.376+/-0.525 χ^2/NDF:1697.8/22

Out: 0.615+/-0.510 χ^2/NDF:1833.9/27

All: 0.499+/-0.366 χ^2/NDF: 3531.9/50



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 14.350+/-0.031 χ^2/NDF:471437.8/8

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

Left In: 17.189+/-0.031 χ^2/NDF:6939.5/6

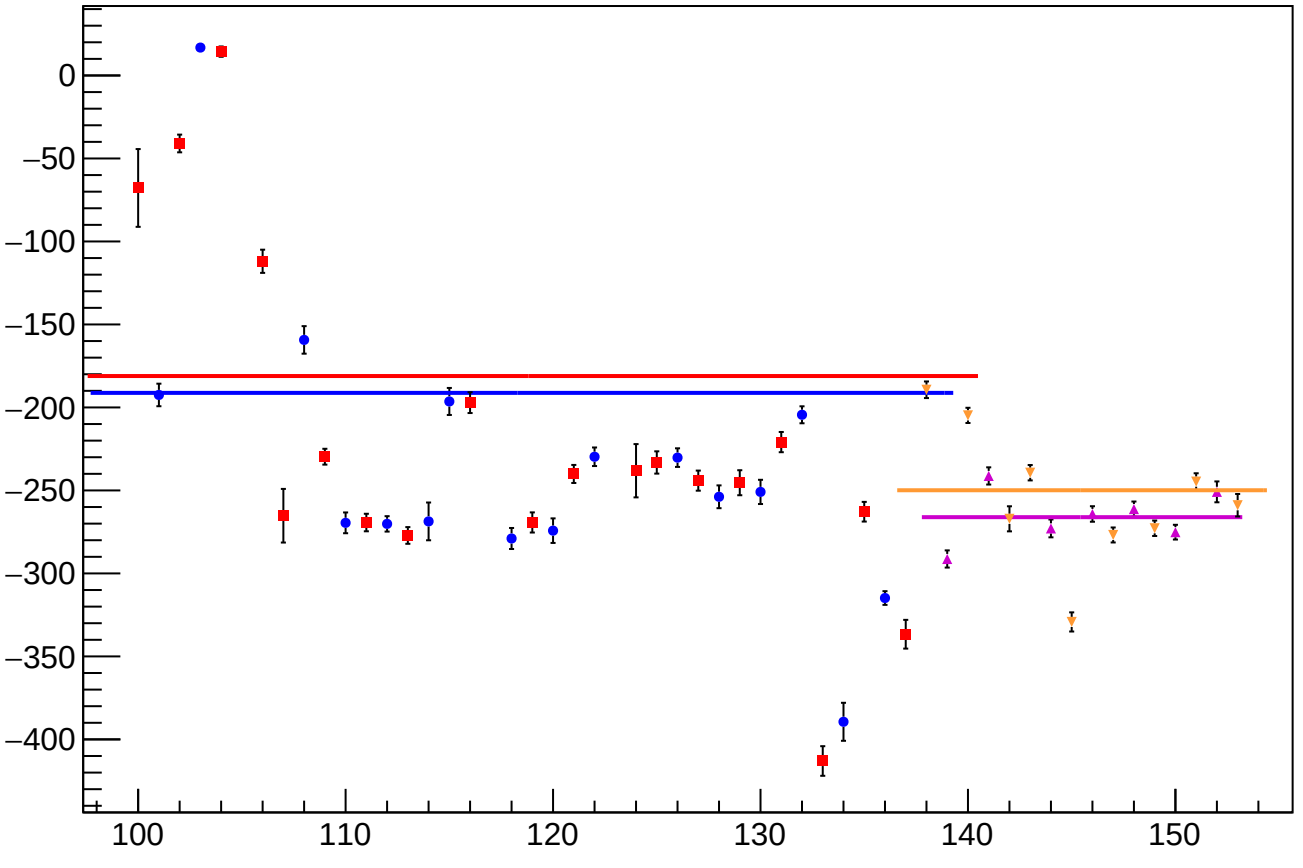
Left: 15.761+/-0.022 χ^2/NDF: 482525.0/15

Right: -6.287+/-0.033 χ^2/NDF: 499287.4/34

In: 9.181+/-0.026 χ^2/NDF:481649.8/22

Out: 8.595+/-0.026 χ^2/NDF:812001.7/27

All: 8.889+/-0.018 χ^2/NDF: 1293908.4/50



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -249.896+/-1.719 χ^2/NDF:506.0/8

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

Left In: -266.110+/-1.893 χ^2/NDF:59.5/6

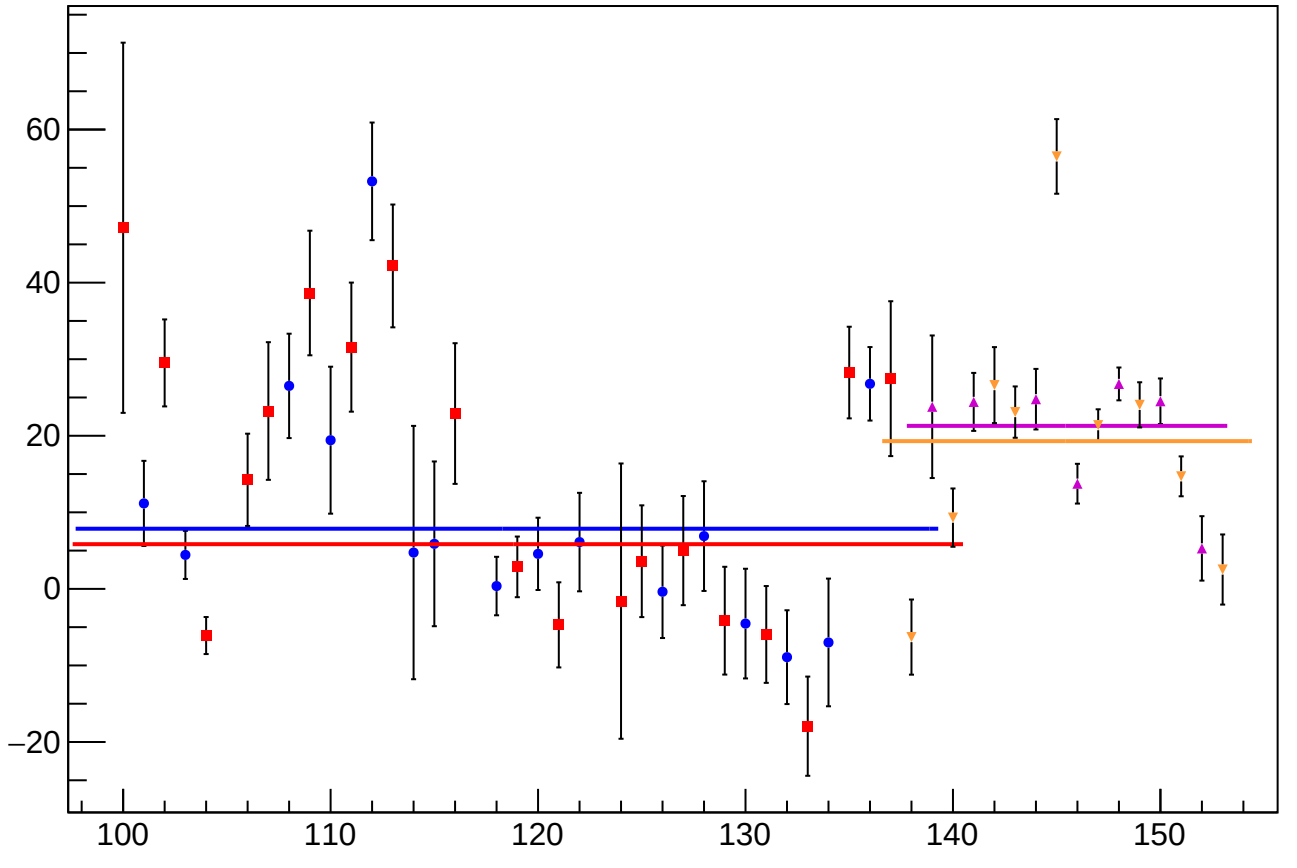
Left: -257.225+/-1.272 χ^2/NDF: 605.7/15

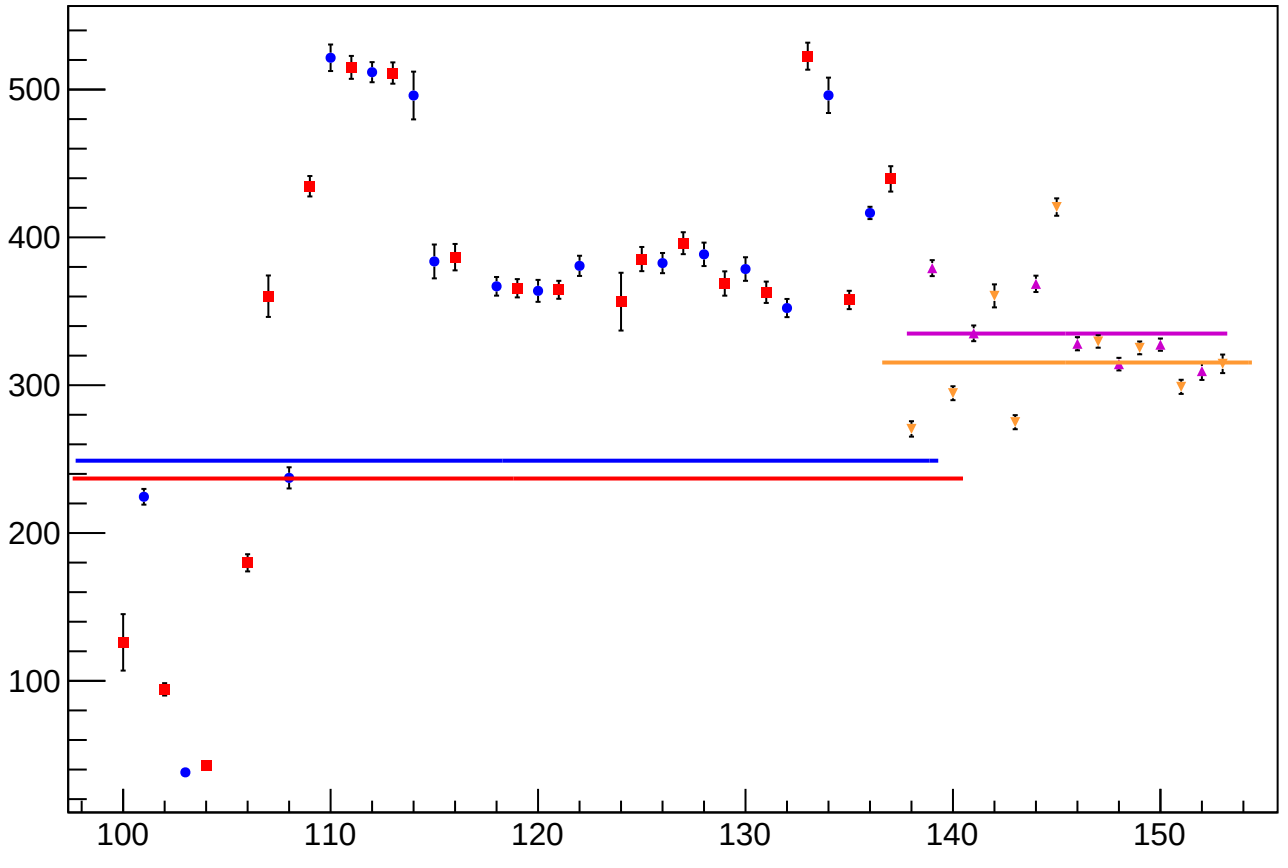
Right: -186.022+/-0.990 χ^2/NDF: 14624.9/34

In: -218.162+/-1.135 χ^2/NDF:8286.6/22

Out: -208.109+/-1.077 χ^2/NDF:8853.1/27

All: -212.873+/-0.781 χ^2/NDF: 17181.0/50


reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
100
110
120
130
140
150
Right In: 7.859+/-1.438 χ²/NDF: 80.9/15
Left Out: 19.300+/-1.101 χ²/NDF:115.8/8
Right Out: 5.839+/-1.355 χ²/NDF: 141.9/18
Left In: 21.294+/-1.212 χ²/NDF:32.2/6
Left: 20.202+/-0.815 χ²/NDF: 149.5/15
Right: 6.789+/-0.986 χ²/NDF: 223.8/34
In: 15.713+/-0.927 χ²/NDF:164.1/22
Out: 13.947+/-0.855 χ²/NDF:317.1/27
All: 14.759+/-0.628 χ²/NDF: 483.2/50



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 315.345+/-1.691 χ^2/NDF:546.6/8

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

Left In: 334.925+/-1.846 χ^2/NDF:151.3/6

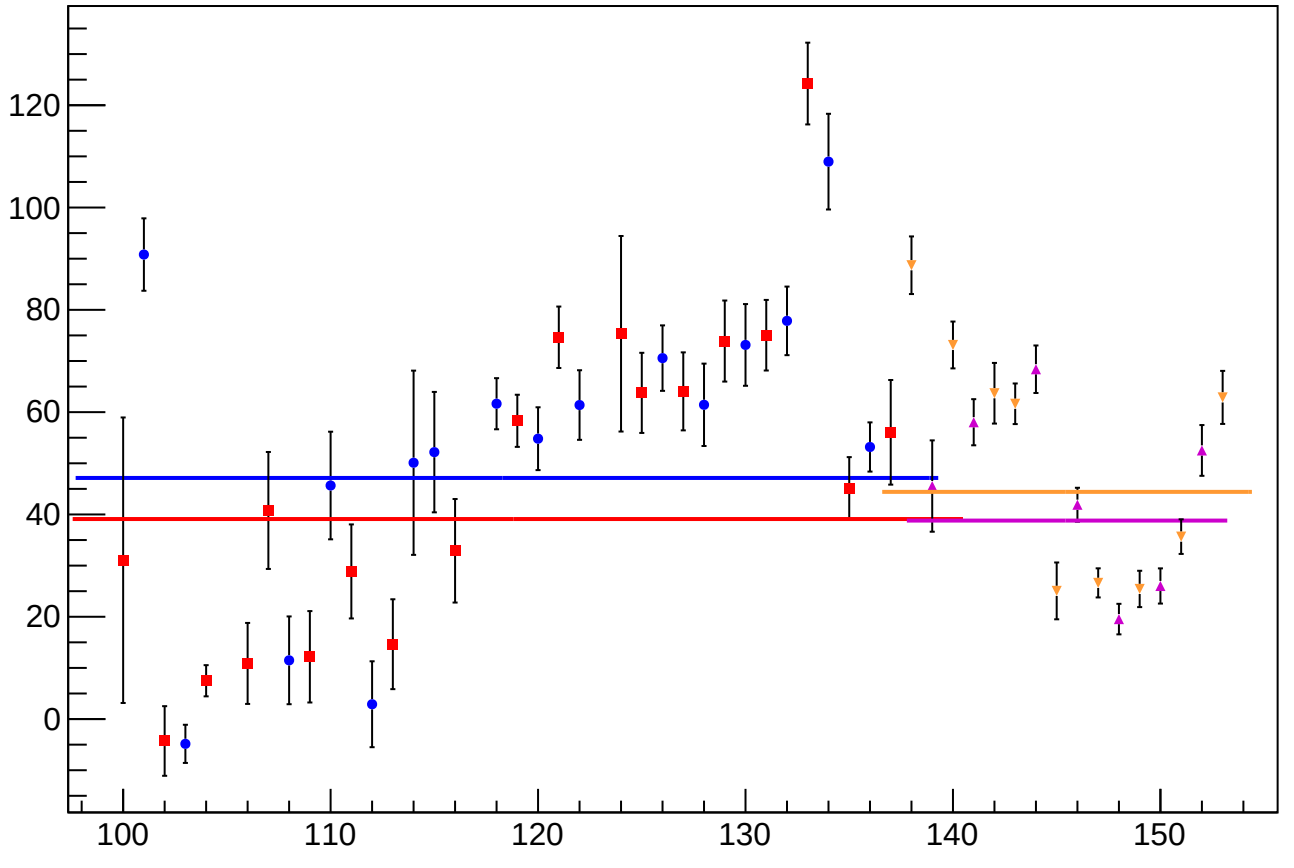
Left: 324.277+/-1.247 χ^2/NDF: 759.0/15

Right: 242.838+/-1.000 χ^2/NDF: 30995.9/34

In: 280.948+/-1.126 χ^2/NDF:16815.6/22

Out: 268.974+/-1.081 χ^2/NDF:17477.0/27

All: 274.717+/-0.780 χ^2/NDF: 34351.4/50



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 44.417+/-1.372 χ^2/NDF:229.8/8

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

Left In: 38.803+/-1.513 χ^2/NDF:123.3/6

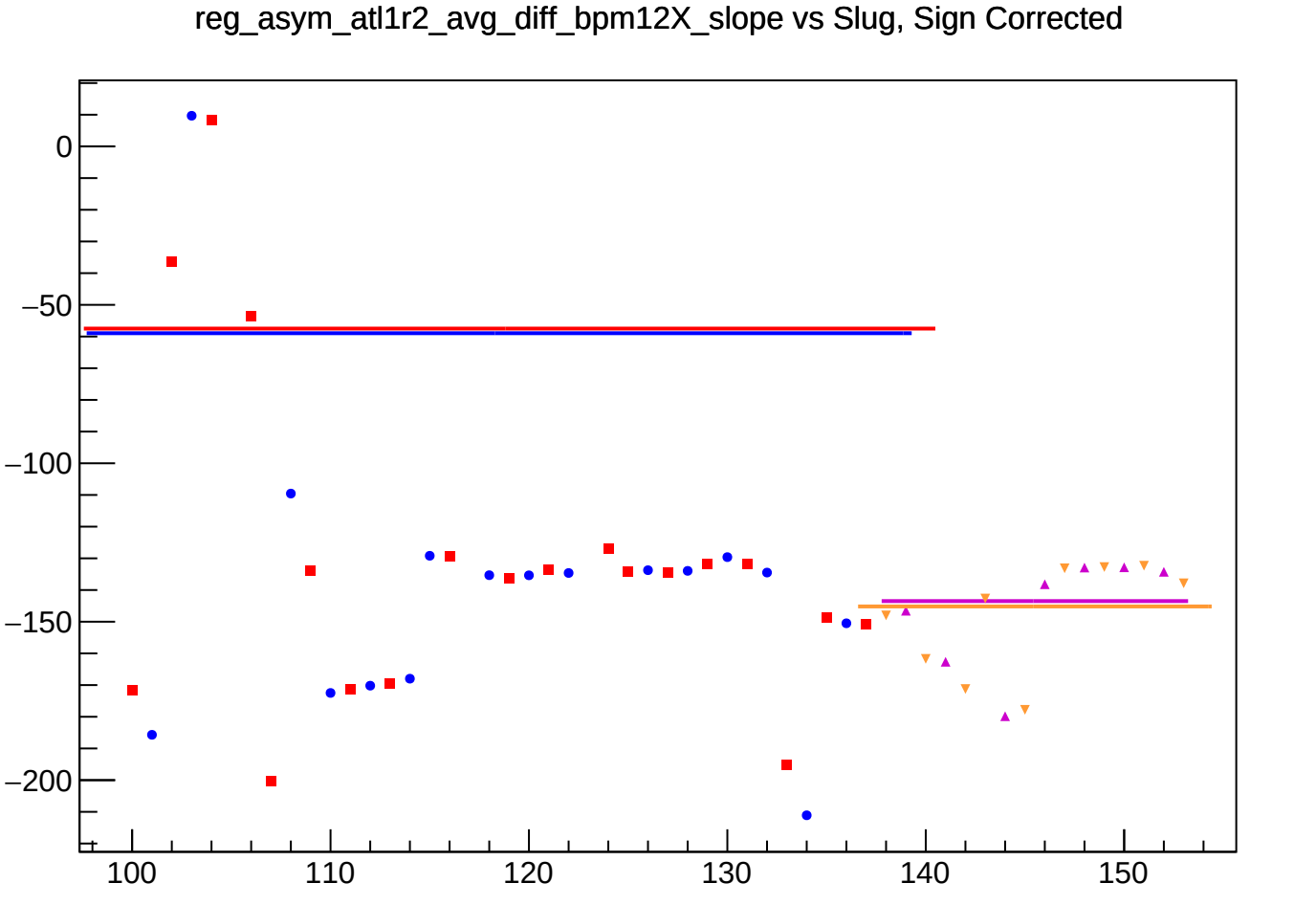
Left: 41.884+/-1.017 χ^2/NDF: 360.6/15

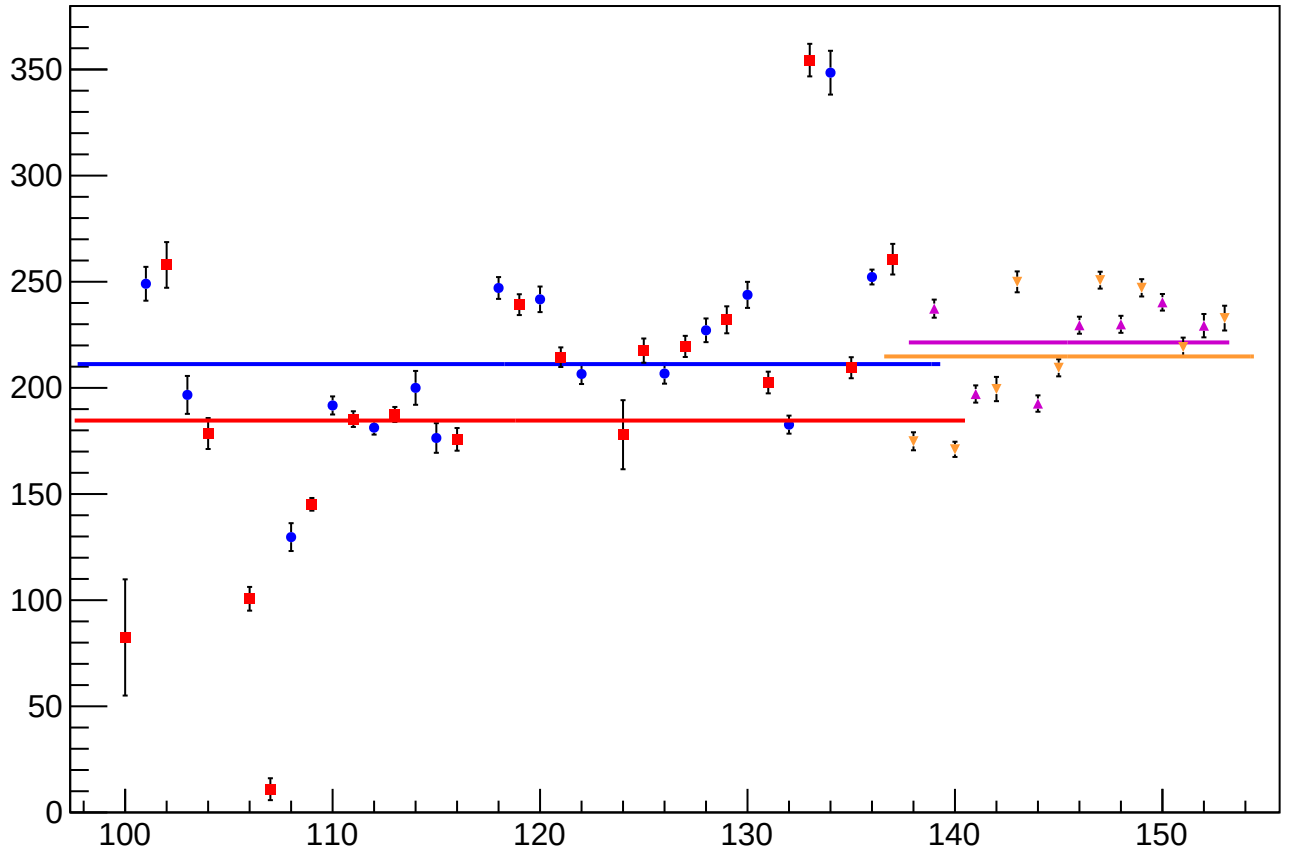
Right: 42.944+/-1.153 χ^2/NDF: 813.9/34

In: 42.567+/-1.121 χ^2/NDF:522.3/22

Out: 42.159+/-1.041 χ^2/NDF:652.6/27

All: 42.348+/-0.763 χ^2/NDF: 1175.0/50


reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug, Sign Corrected
0
−50
−100
−150
−200
100
110
120
130
140
150
Right In: -58.956+/-0.073 χ²/NDF: 1227079.0/15
Left Out: -145.183+/-0.070 χ²/NDF:47266.0/8
Right Out: -57.497+/-0.074 χ²/NDF: 871305.9/18
Left In: -143.490+/-0.074 χ²/NDF:39843.1/6
Left: -144.390+/-0.051 χ²/NDF: 87386.3/15
Right: -58.243+/-0.052 χ²/NDF: 2098582.3/34
In: -100.345+/-0.052 χ²/NDF:1930608.5/22
Out: -104.190+/-0.051 χ²/NDF:1661004.6/27
All: -102.308+/-0.036 χ²/NDF: 3594419.0/50



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 214.812+/-1.458 χ^2/NDF:452.8/8

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

Left In: 221.410+/-1.569 χ^2/NDF:139.7/6

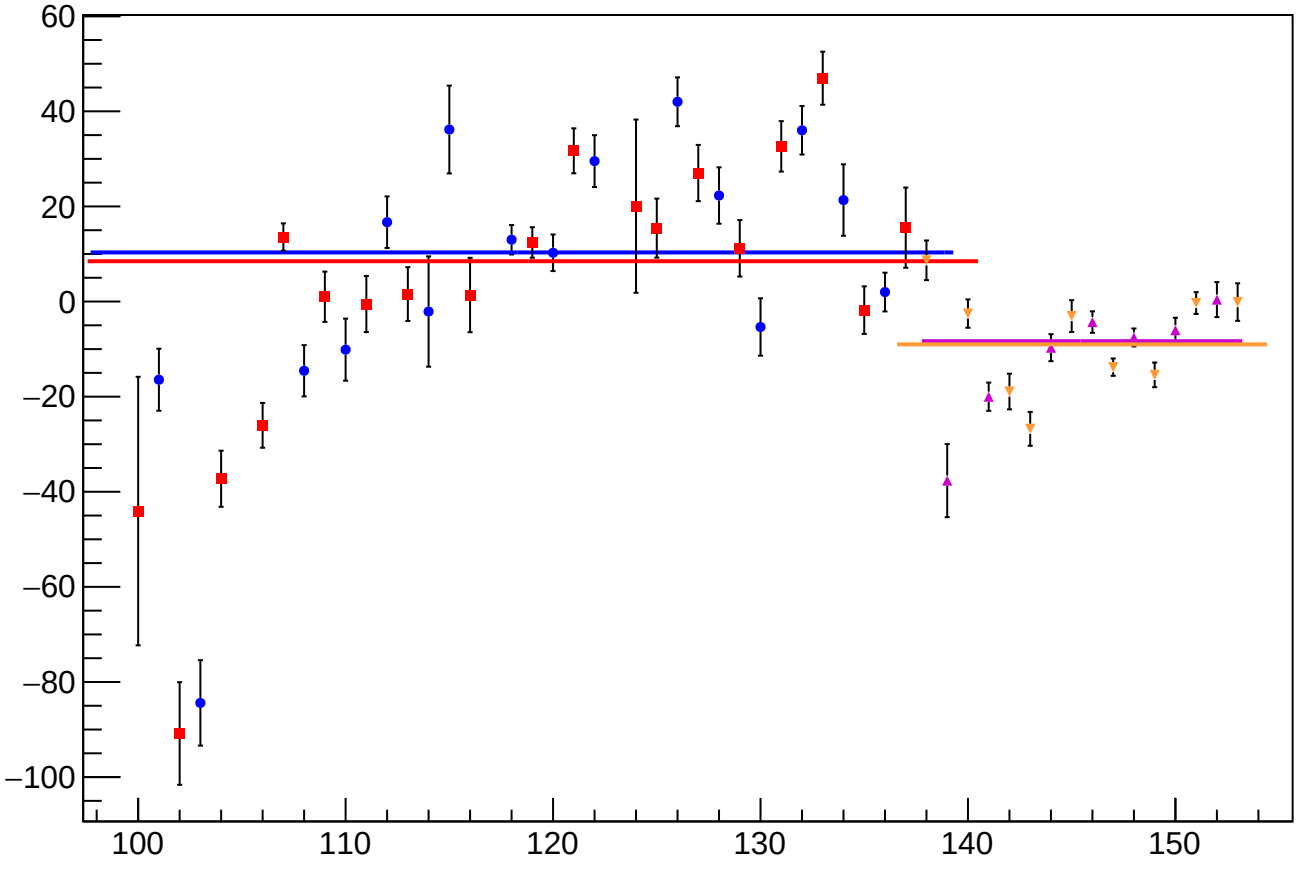
Left: 217.869+/-1.068 χ^2/NDF: 602.0/15

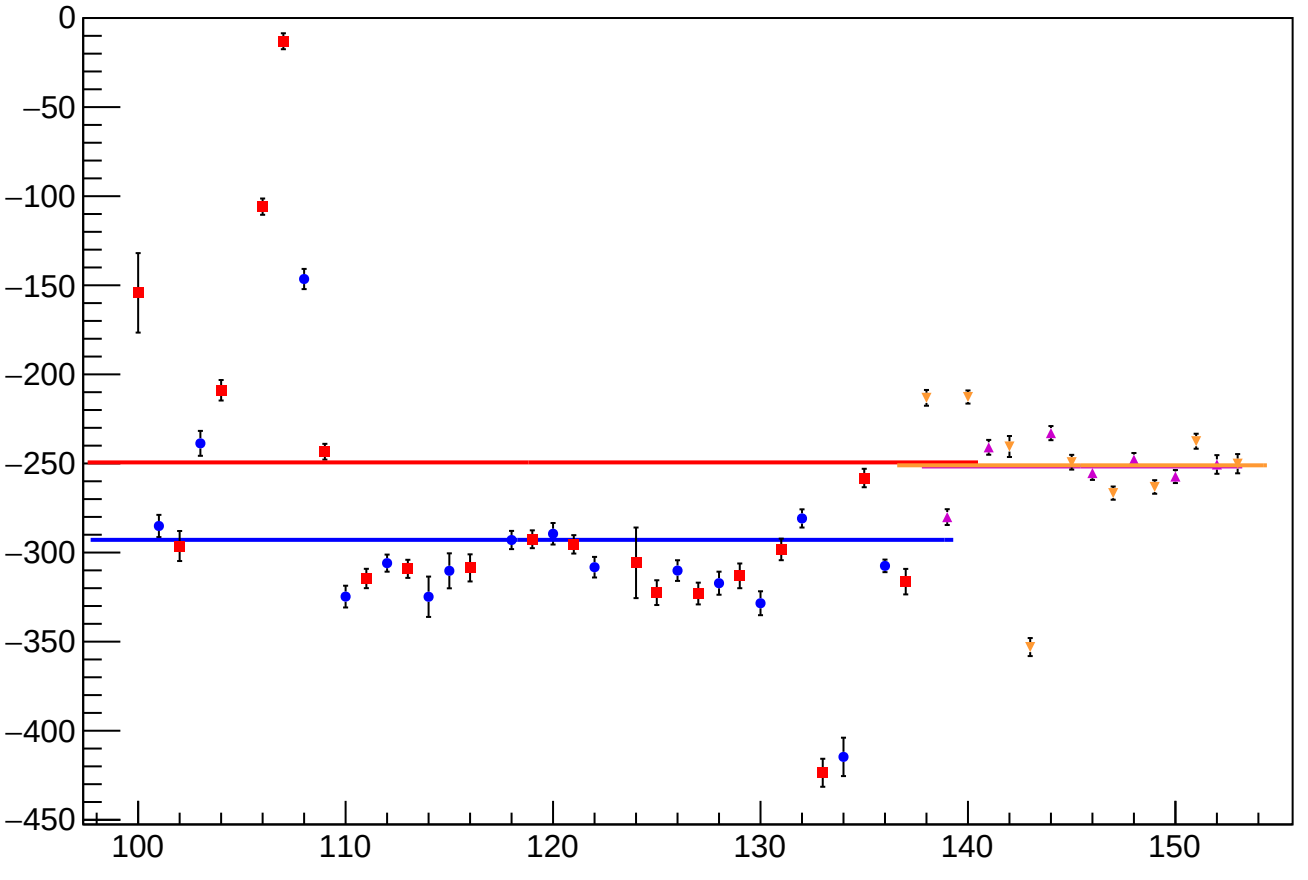
Right: 196.825+/-0.878 χ^2/NDF: 3551.2/34

In: 215.345+/-0.999 χ^2/NDF:947.9/22

Out: 196.736+/-0.924 χ^2/NDF:3250.0/27

All: 205.312+/-0.678 χ^2/NDF: 4384.9/50


reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
Right In: 10.329+/-1.333 χ²/NDF: 263.3/15
Left Out: -9.004+/-0.948 χ²/NDF:90.2/8
Right Out: 8.480+/-1.225 χ²/NDF: 322.3/18
Left In: -8.334+/-1.026 χ²/NDF:40.0/6
Left: -8.695+/-0.696 χ²/NDF: 130.4/15
Right: 9.326+/-0.902 χ²/NDF: 586.7/34
In: -1.392+/-0.813 χ²/NDF:426.5/22
Out: -2.452+/-0.750 χ²/NDF:539.9/27
All: -1.965+/-0.551 χ²/NDF: 967.3/50



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -251.043+/-1.439 χ^2/NDF:628.8/8

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

Left In: -251.682+/-1.539 χ^2/NDF:74.3/6

Left: -251.341+/-1.051 χ^2/NDF: 703.2/15

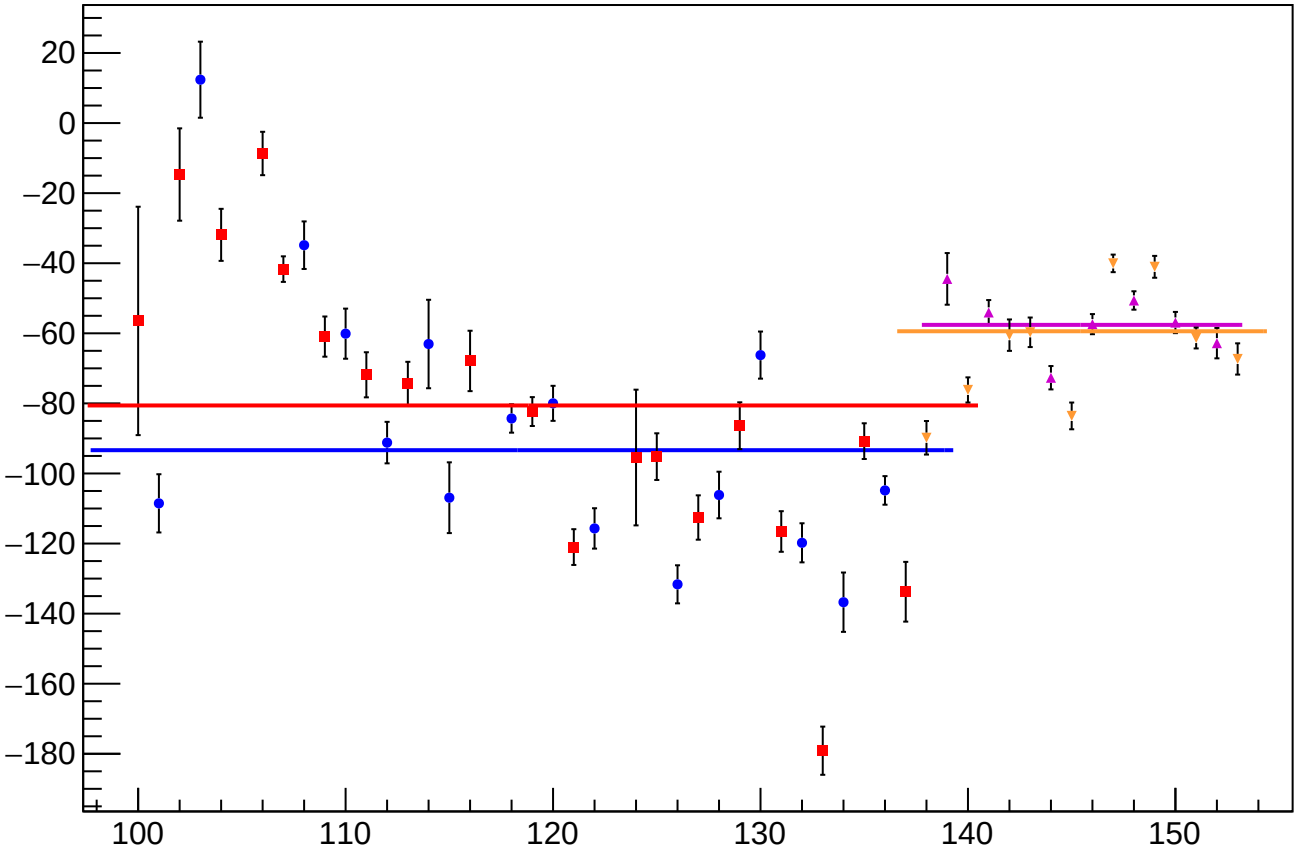
Right: -269.627+/-1.001 χ^2/NDF: 6821.1/34

In: -273.253+/-1.062 χ^2/NDF:1433.1/22

Out: -250.184+/-0.992 χ^2/NDF:5997.9/27

All: -260.928+/-0.725 χ^2/NDF: 7683.1/50

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -59.415+/-1.177 χ^2/NDF:200.4/8

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

Left In: -57.592+/-1.273 χ^2/NDF:33.2/6

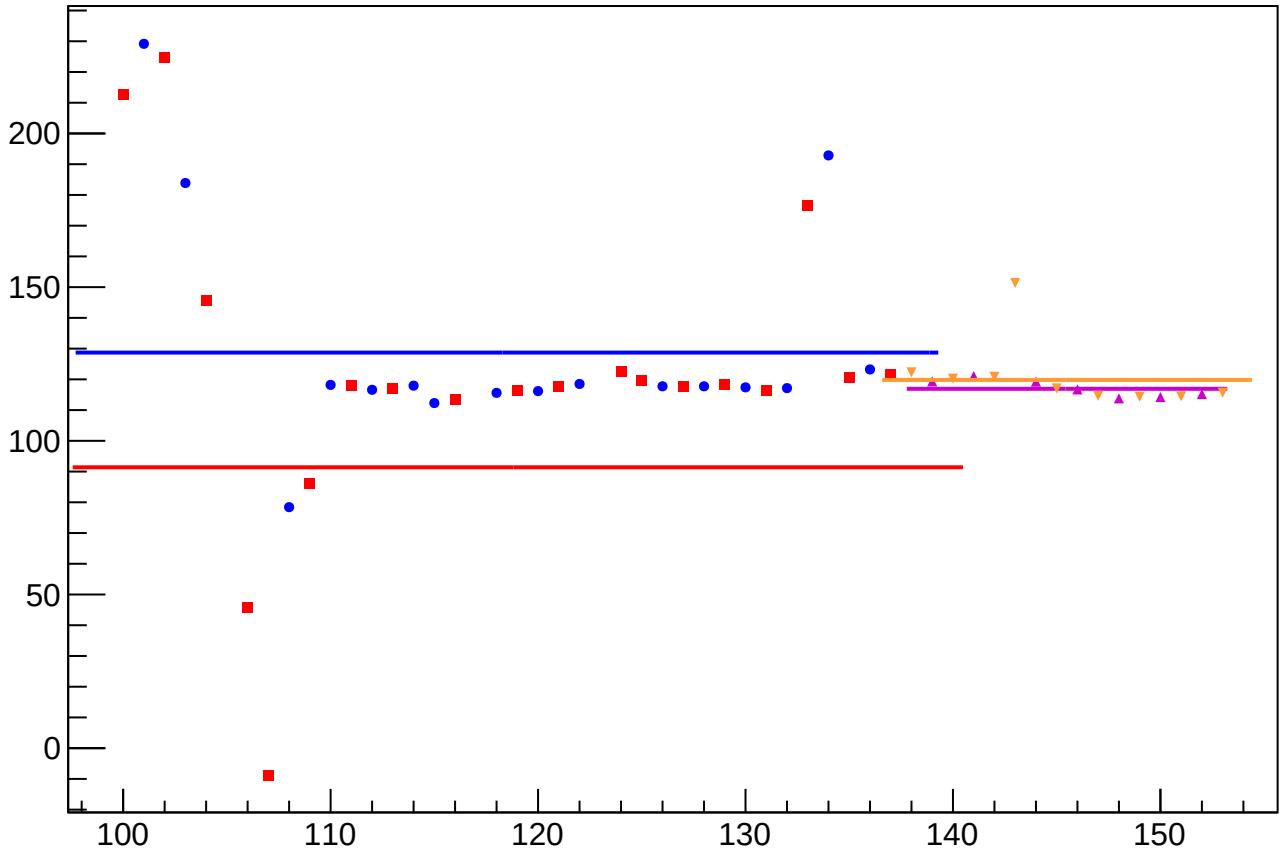
Left: -58.574+/-0.864 χ^2/NDF: 234.6/15

Right: -86.499+/-1.044 χ^2/NDF: 1107.8/34

In: -72.176+/-0.980 χ^2/NDF:710.3/22

Out: -68.014+/-0.907 χ^2/NDF:1047.1/27

All: -69.936+/-0.666 χ^2/NDF: 1767.1/50



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 119.814+/-0.059 χ^2/NDF:26532.9/8

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

Left In: 116.927+/-0.062 χ^2/NDF:1831.2/6

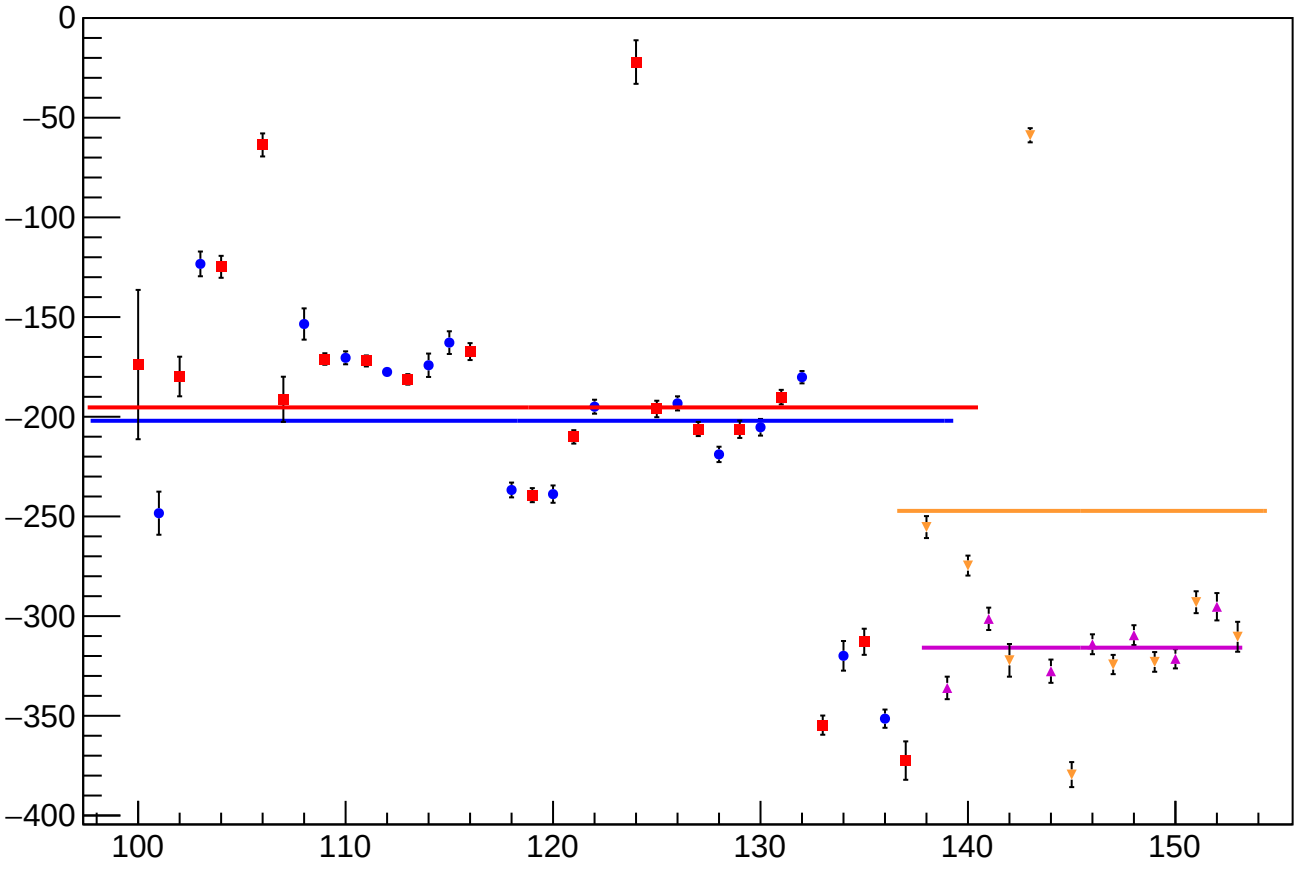
Left: 118.439+/-0.043 χ^2/NDF: 29498.1/15

Right: 107.821+/-0.059 χ^2/NDF: 886599.9/34

In: 120.774+/-0.051 χ^2/NDF:197136.2/22

Out: 109.611+/-0.047 χ^2/NDF:714340.3/27

All: 114.789+/-0.035 χ^2/NDF: 937244.4/50



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -247.217+/-1.749 χ^2/NDF:3993.5/8

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

Left In: -315.833+/-2.052 χ^2/NDF:35.6/6

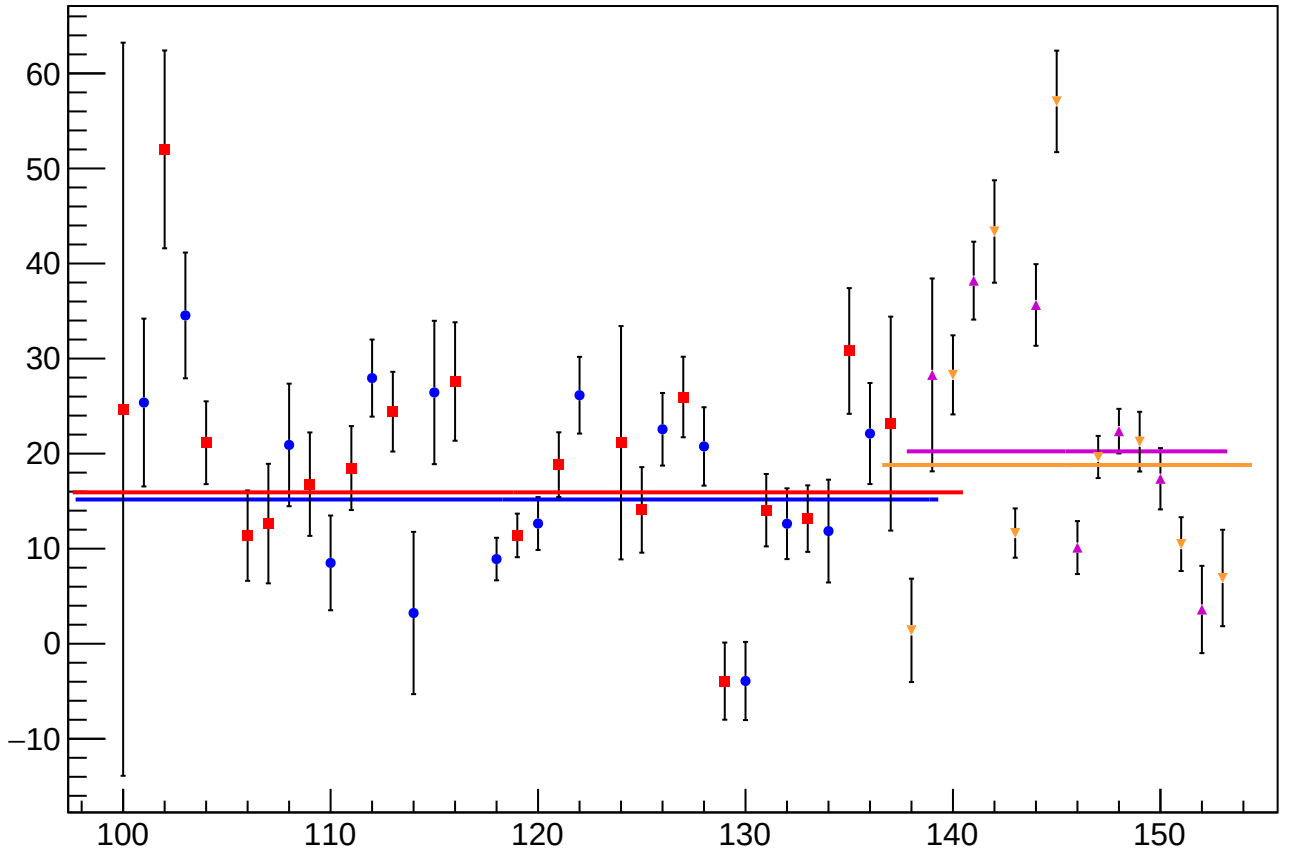
Left: -276.092+/-1.331 χ^2/NDF: 4676.5/15

Right: -198.498+/-0.706 χ^2/NDF: 5163.6/34

In: -224.712+/-0.916 χ^2/NDF:4538.6/22

Out: -207.597+/-0.851 χ^2/NDF:7766.3/27

All: -215.523+/-0.624 χ^2/NDF: 12492.1/50



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 18.807+/-1.134 χ^2/NDF:110.1/8

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

Left In: 20.237+/-1.316 χ^2/NDF:60.6/6

Left: 19.416+/-0.859 χ^2/NDF: 171.4/15

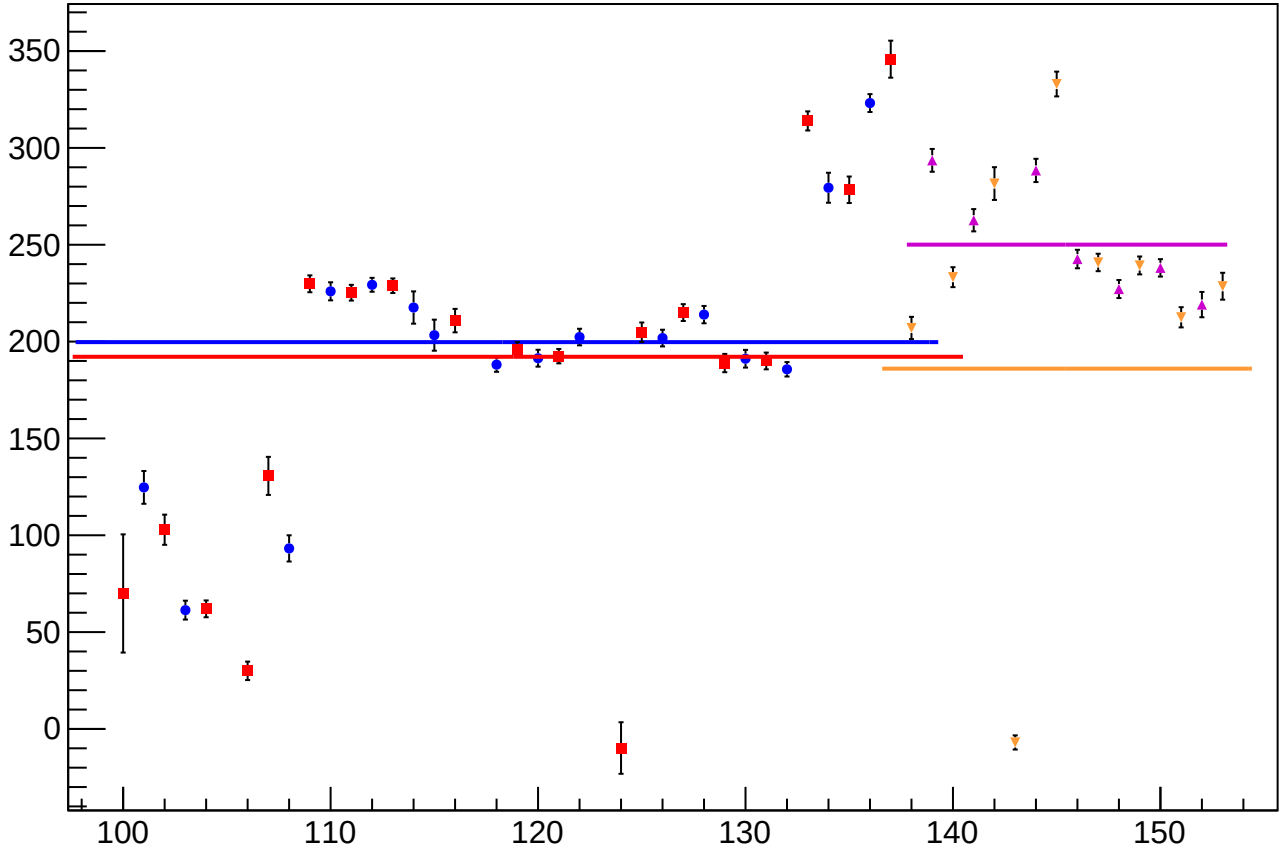
Right: 15.554+/-0.737 χ^2/NDF: 136.1/34

In: 17.140+/-0.820 χ^2/NDF:142.0/22

Out: 17.237+/-0.765 χ^2/NDF:177.2/27

All: 17.192+/-0.559 χ^2/NDF: 319.2/50

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: 186.024+/-1.728 χ^2/NDF:3878.8/8

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

Left In: 250.055+/-2.002 χ^2/NDF:156.3/6

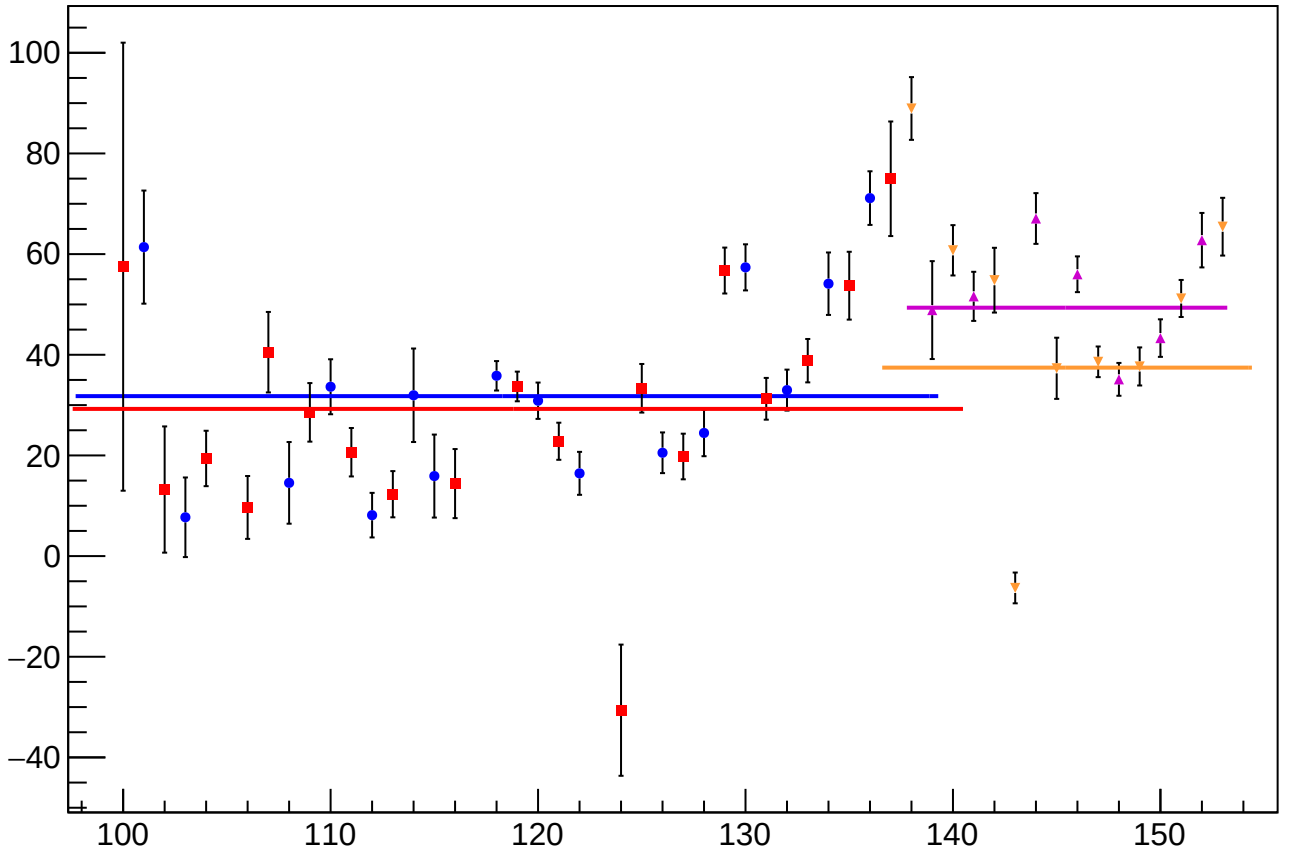
Left: 213.371+/-1.308 χ^2/NDF: 4621.3/15

Right: 195.793+/-0.829 χ^2/NDF: 5899.5/34

In: 212.959+/-1.027 χ^2/NDF:2723.9/22

Out: 190.273+/-0.958 χ^2/NDF:7664.6/27

All: 200.830+/-0.700 χ^2/NDF: 10649.6/50



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 37.446+/-1.406 χ^2/NDF:340.0/8

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

Left In: 49.353+/-1.641 χ^2/NDF:43.9/6

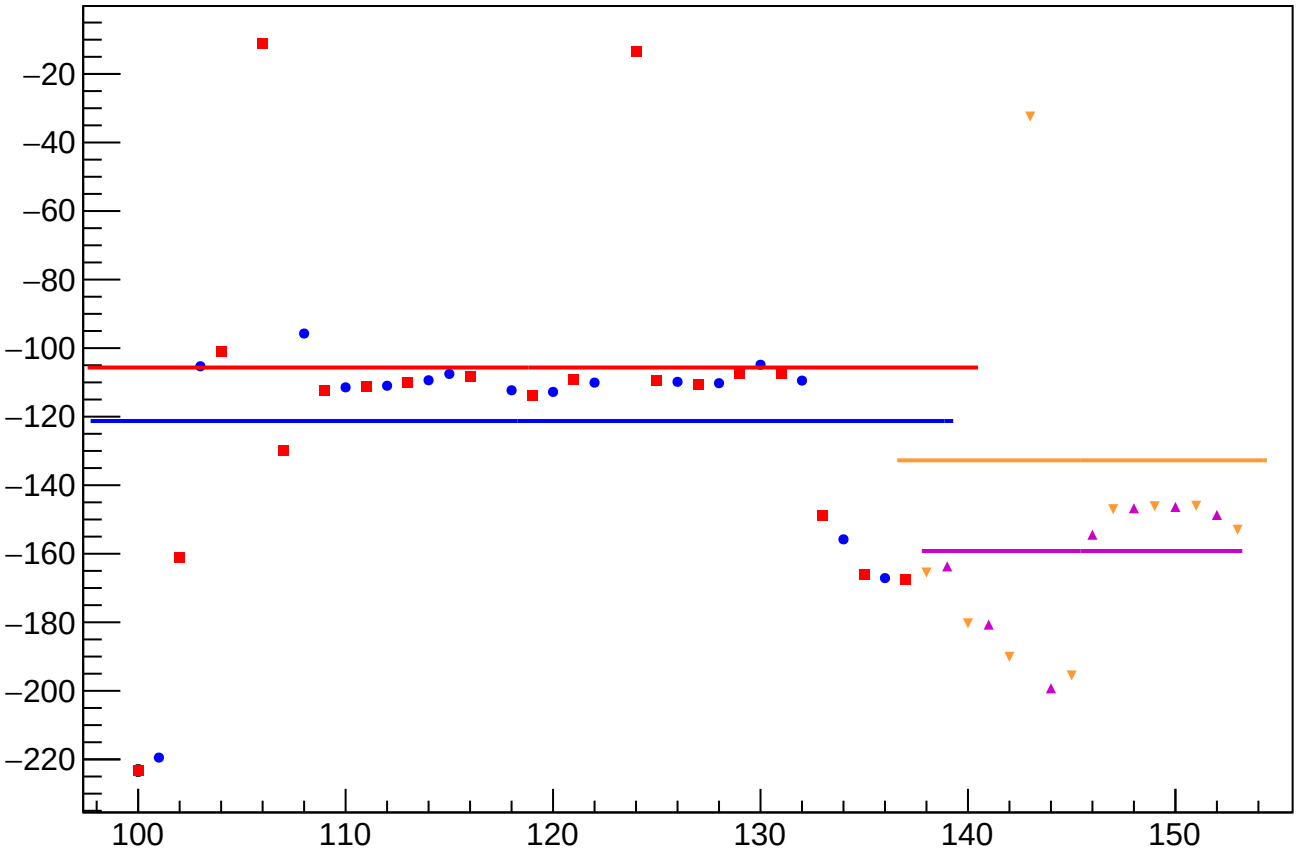
Left: 42.485+/-1.068 χ^2/NDF: 414.2/15

Right: 30.492+/-0.853 χ^2/NDF: 320.1/34

In: 38.012+/-0.977 χ^2/NDF:294.8/22

Out: 32.690+/-0.911 χ^2/NDF:500.6/27

All: 35.165+/-0.666 χ^2/NDF: 811.3/50



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -132.747+/-0.071 χ^2/NDF:608553.7/8

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

Left In: -159.199+/-0.080 χ^2/NDF:42770.3/6

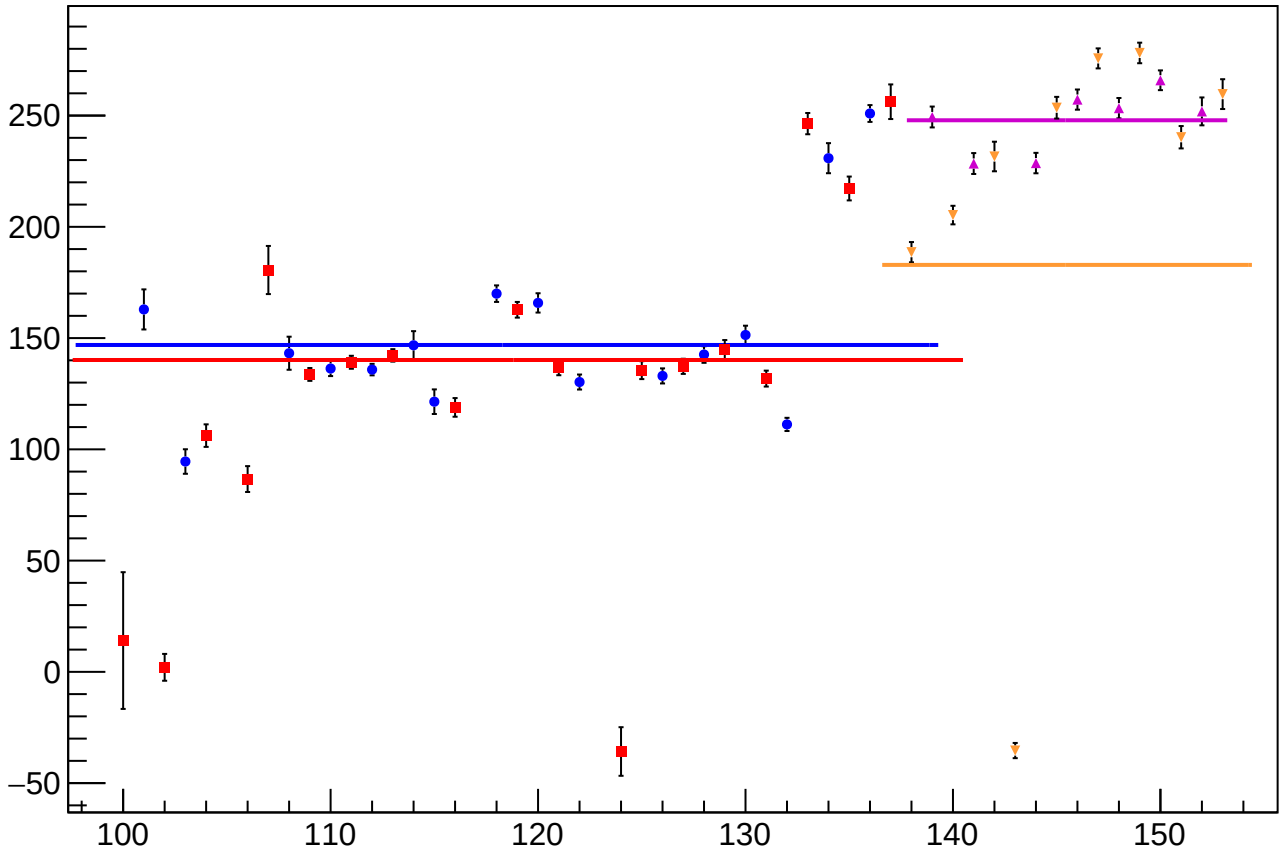
Left: -144.367+/-0.053 χ^2/NDF: 711947.2/15

Right: -113.006+/-0.054 χ^2/NDF: 495037.6/34

In: -139.943+/-0.056 χ^2/NDF:275031.3/22

Out: -119.852+/-0.052 χ^2/NDF:1032529.5/27

All: -128.987+/-0.038 χ^2/NDF: 1376640.9/50



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 182.892+/-1.554 χ^2/NDF:5482.4/8

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

Left In: 247.890+/-1.793 χ^2/NDF:57.2/6

Left: 210.772+/-1.174 χ^2/NDF: 6290.2/15

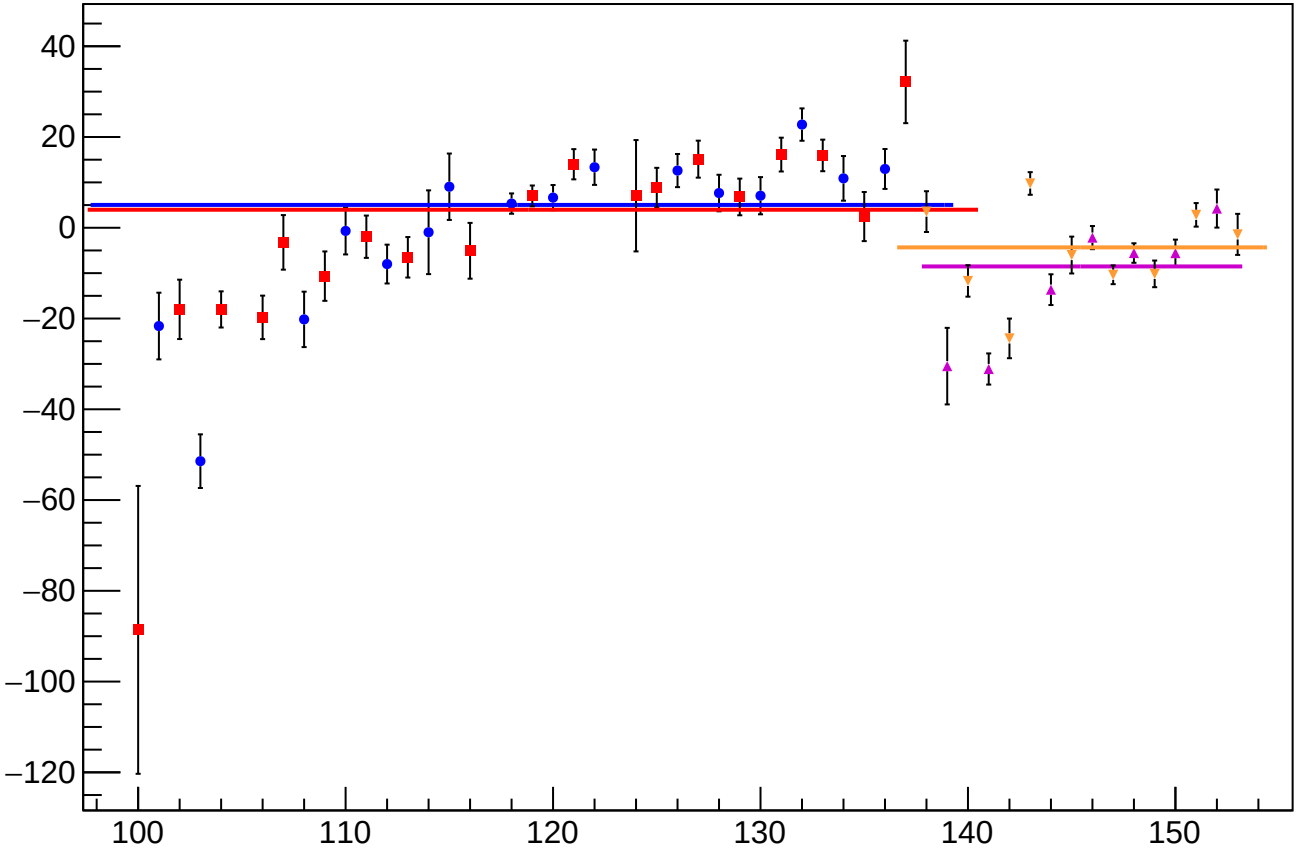
Right: 143.381+/-0.694 χ^2/NDF: 3276.2/34

In: 170.987+/-0.876 χ^2/NDF:3775.1/22

Out: 151.960+/-0.817 χ^2/NDF:7980.5/27

All: 160.813+/-0.597 χ^2/NDF: 12008.1/50

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.037+/-1.021 χ^2/NDF: 171.9/15

Left Out: -4.324+/-1.024 χ^2/NDF:81.3/8

Right Out: 3.974+/-1.012 χ^2/NDF: 144.9/18

Left In: -8.520+/-1.174 χ^2/NDF:70.7/6

Left: -6.138+/-0.772 χ^2/NDF: 159.2/15

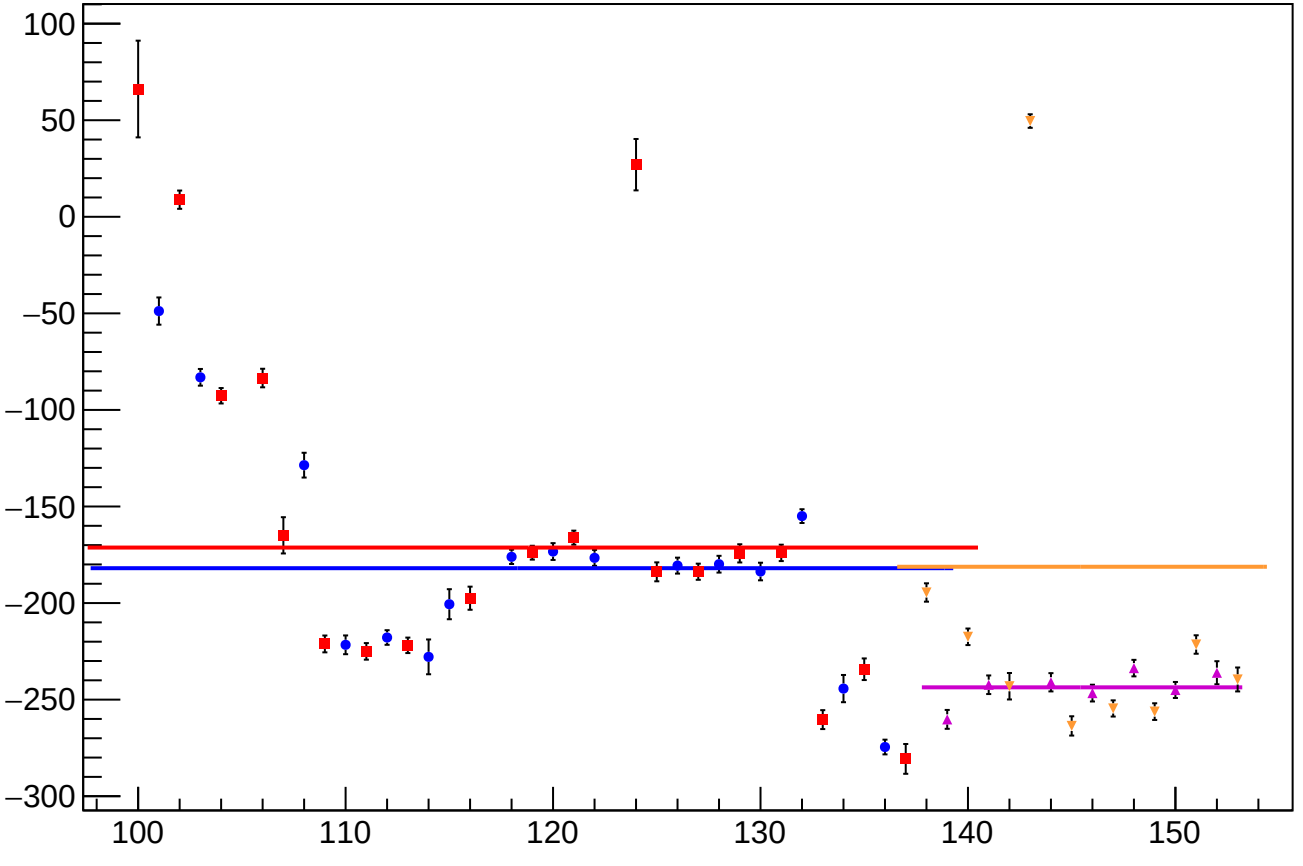
Right: 4.501+/-0.719 χ^2/NDF: 317.3/34

In: -0.801+/-0.770 χ^2/NDF:318.5/22

Out: -0.126+/-0.720 χ^2/NDF:259.4/27

All: -0.441+/-0.526 χ^2/NDF: 578.3/50

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: -181.205+/-1.541 χ^2/NDF:5507.4/8

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

Left In: -243.637+/-1.758 χ^2/NDF:19.5/6

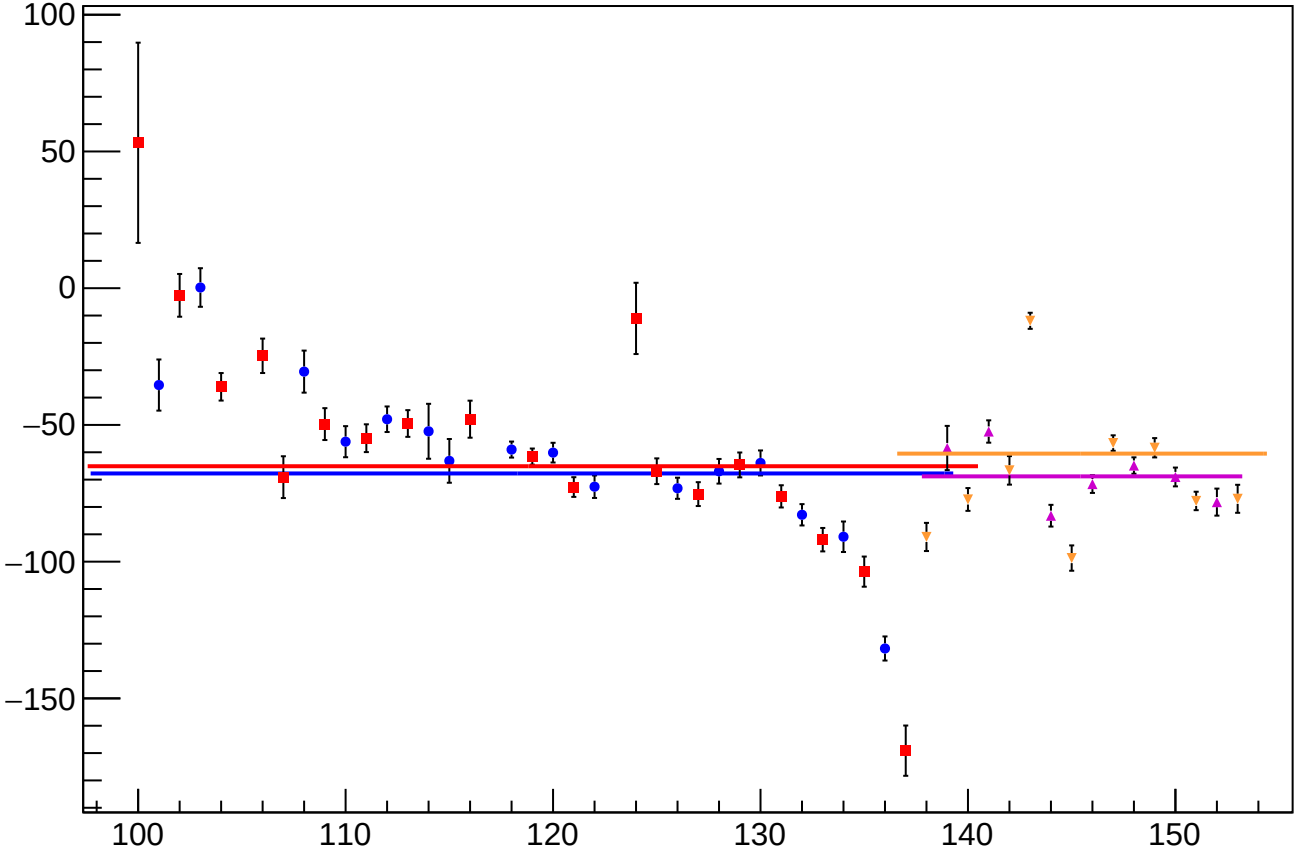
Left: -208.332+/-1.159 χ^2/NDF: 6240.4/15

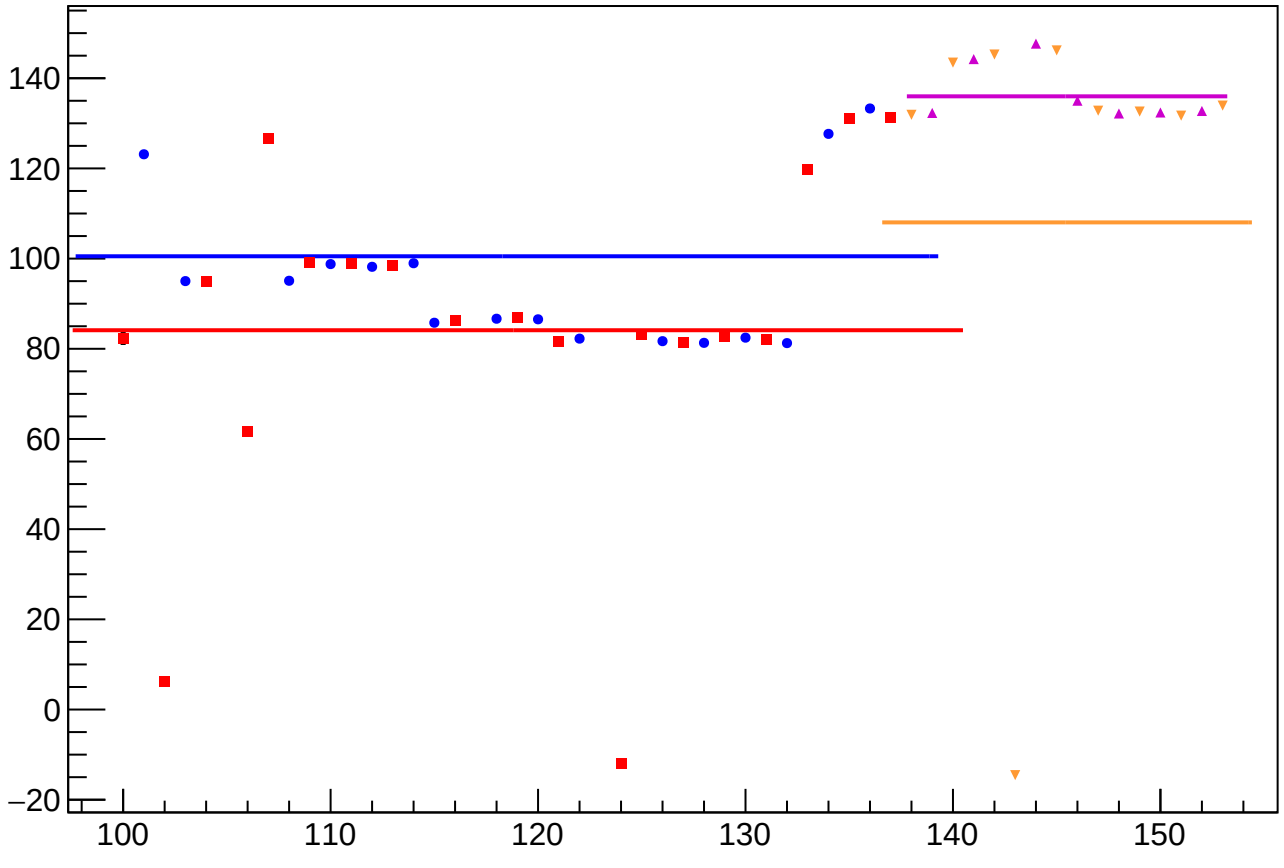
Right: -176.402+/-0.800 χ^2/NDF: 5543.1/34

In: -200.529+/-0.965 χ^2/NDF:2750.8/22

Out: -174.664+/-0.901 χ^2/NDF:9162.9/27

All: -186.718+/-0.659 χ^2/NDF: 12297.6/50


reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
100
50
0
−50
−100
−150
100
110
120
130
140
150
Right In: -67.745+/-1.181 χ²/NDF: 414.0/15
Left Out: -60.491+/-1.265 χ²/NDF:432.5/8
Right Out: -65.105+/-1.167 χ²/NDF: 429.0/18
Left In: -68.811+/-1.458 χ²/NDF:37.0/6
Left: -64.066+/-0.955 χ²/NDF: 488.1/15
Right: -66.409+/-0.830 χ²/NDF: 845.6/34
In: -68.168+/-0.918 χ²/NDF:451.4/22
Out: -62.984+/-0.858 χ²/NDF:868.7/27
All: -65.401+/-0.627 χ²/NDF: 1337.2/50



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 108.030+/-0.063 χ^2/NDF:876022.2/8

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

Left In: 135.985+/-0.071 χ^2/NDF:6446.0/6

Left: 120.494+/-0.047 χ^2/NDF: 969146.2/15

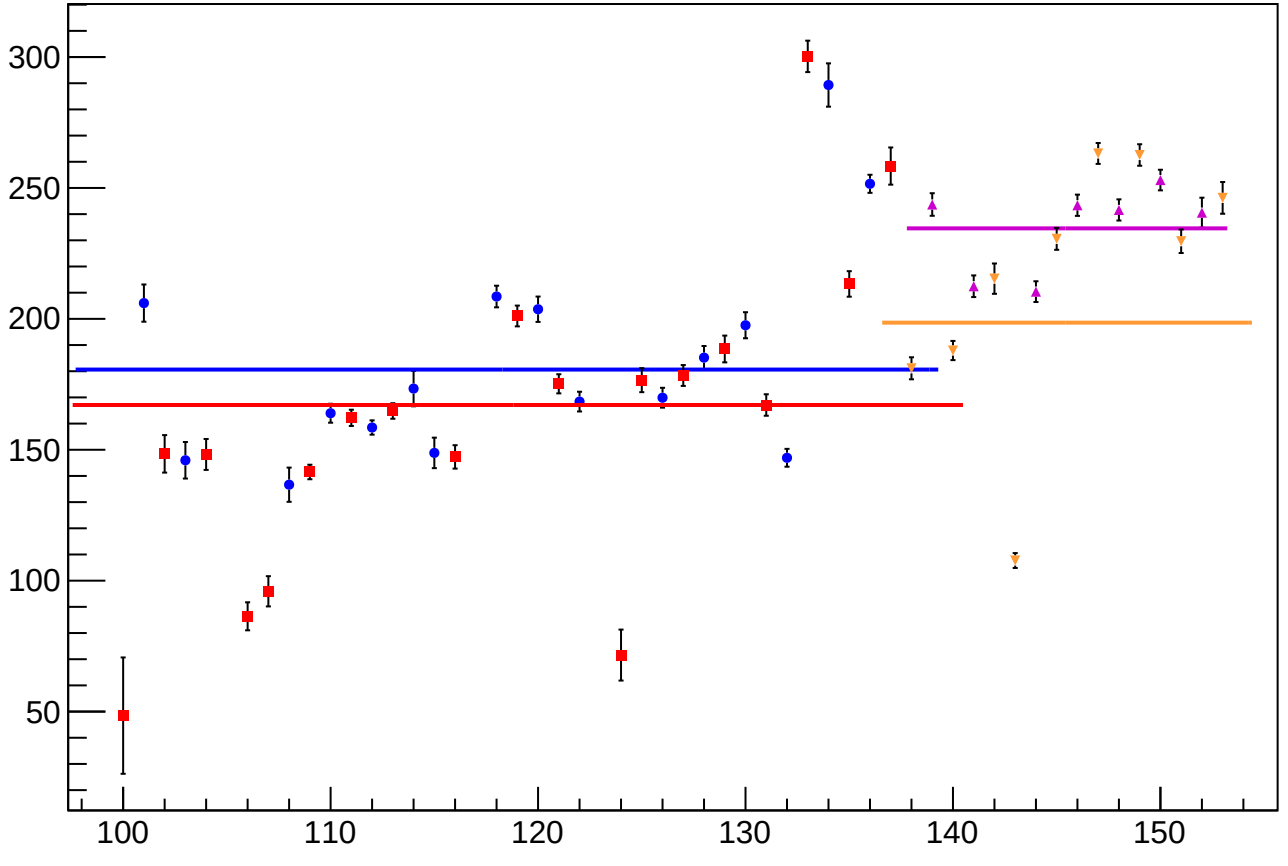
Right: 91.772+/-0.051 χ^2/NDF: 357470.2/34

In: 119.055+/-0.051 χ^2/NDF:194097.0/22

Out: 97.117+/-0.047 χ^2/NDF:1204725.2/27

All: 107.112+/-0.034 χ^2/NDF: 1499143.1/50

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: 198.554+/-1.360 χ^2/NDF:1730.3/8

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 234.566+/-1.595 χ^2/NDF:101.1/6

Left: 213.717+/-1.035 χ^2/NDF: 2126.7/15

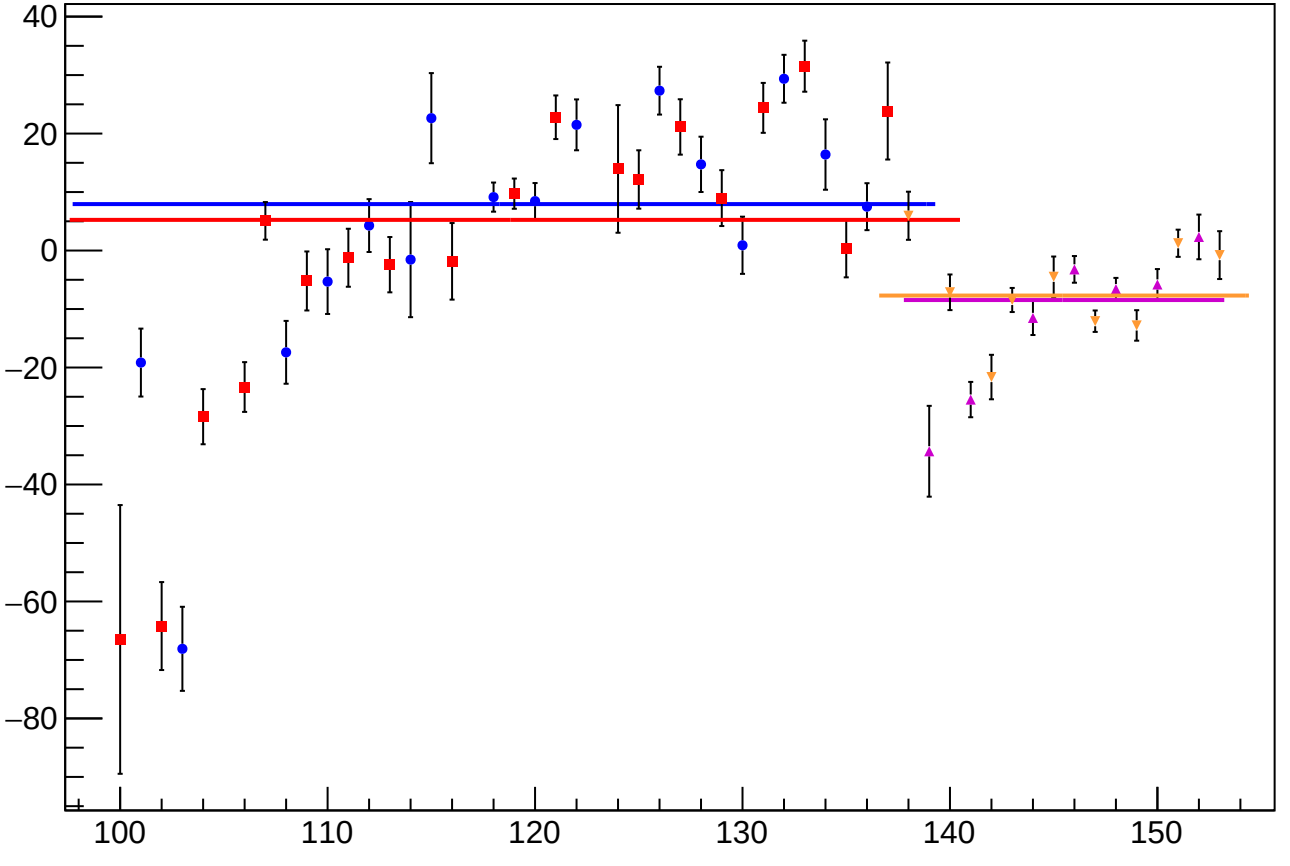
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 197.799+/-0.900 χ^2/NDF:1874.2/22

Out: 178.436+/-0.816 χ^2/NDF:3557.0/27

All: 187.180+/-0.605 χ^2/NDF: 5685.2/50

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: -7.695+/-0.896 χ^2/NDF:52.7/8

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -8.464+/-1.041 χ^2/NDF:59.2/6

Left: -8.023+/-0.679 χ^2/NDF: 112.2/15

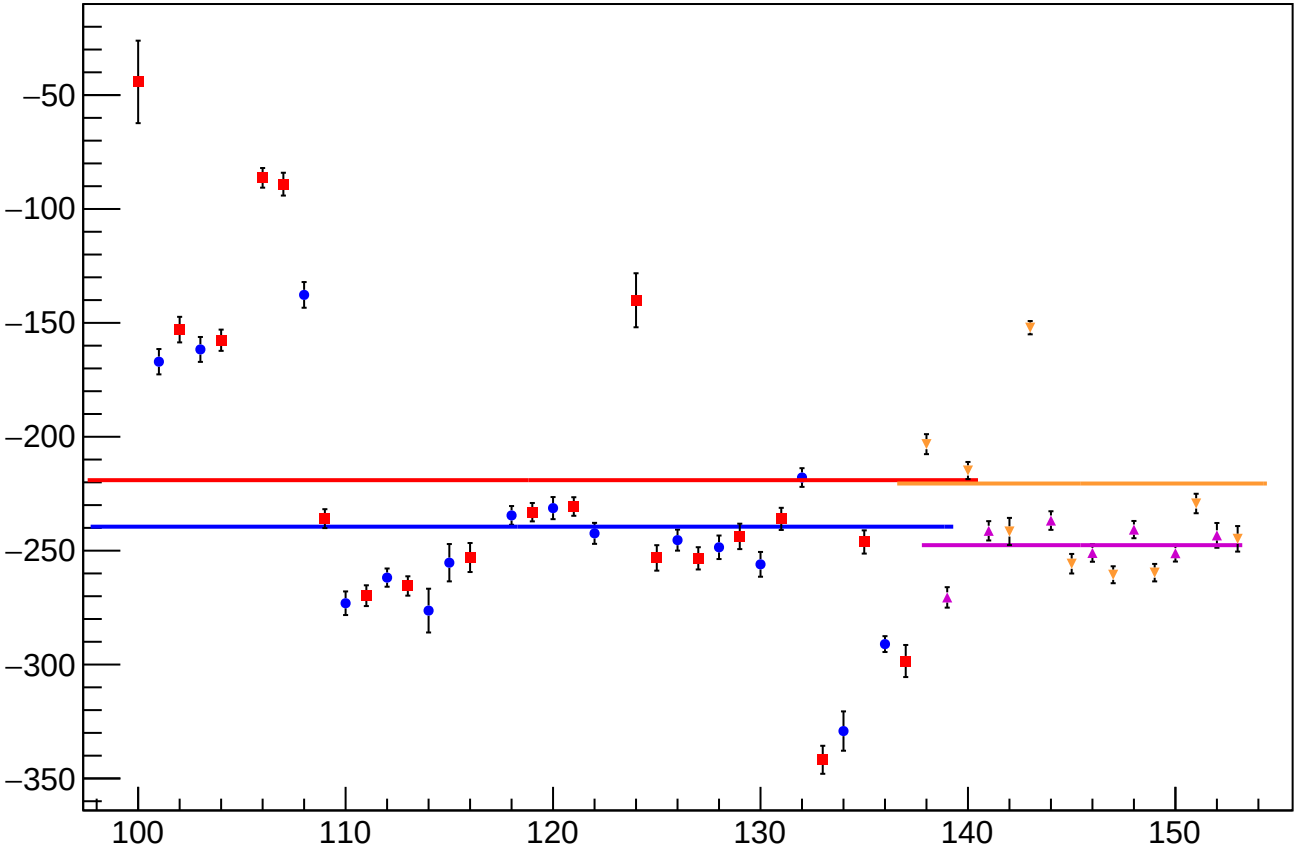
Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: -0.814+/-0.760 χ^2/NDF:408.0/22

Out: -2.313+/-0.685 χ^2/NDF:442.3/27

All: -1.641+/-0.509 χ^2/NDF: 852.4/50

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: -220.526+/-1.350 χ^2/NDF:888.6/8

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -247.587+/-1.563 χ^2/NDF:40.9/6

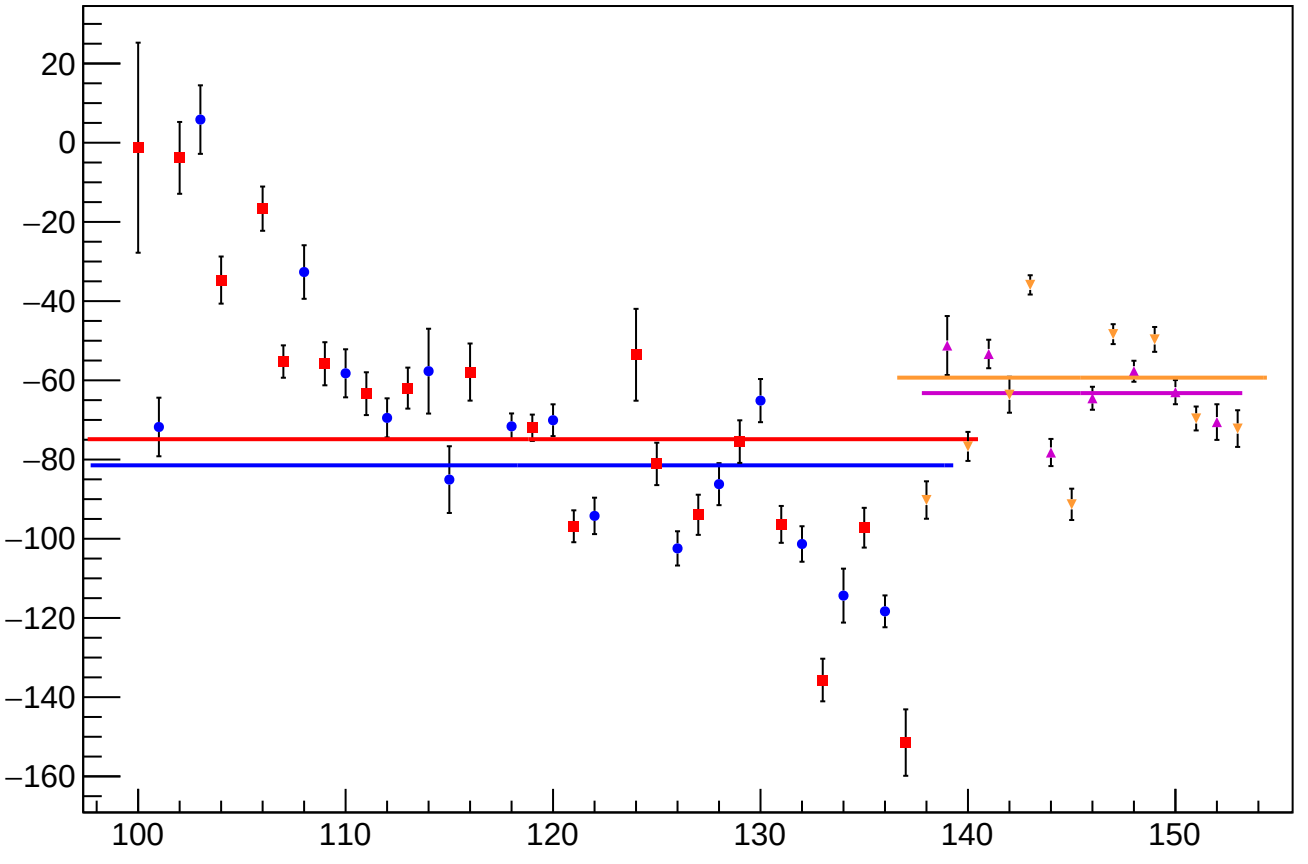
Left: -232.086+/-1.022 χ^2/NDF: 1101.0/15

Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -242.620+/-0.974 χ^2/NDF:1219.6/22

Out: -219.689+/-0.887 χ^2/NDF:3938.5/27

All: -230.082+/-0.656 χ^2/NDF: 5461.1/50



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -59.320+/-1.107 χ^2/NDF:271.9/8

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -63.225+/-1.293 χ^2/NDF:36.5/6

Left: -60.972+/-0.841 χ^2/NDF: 313.6/15

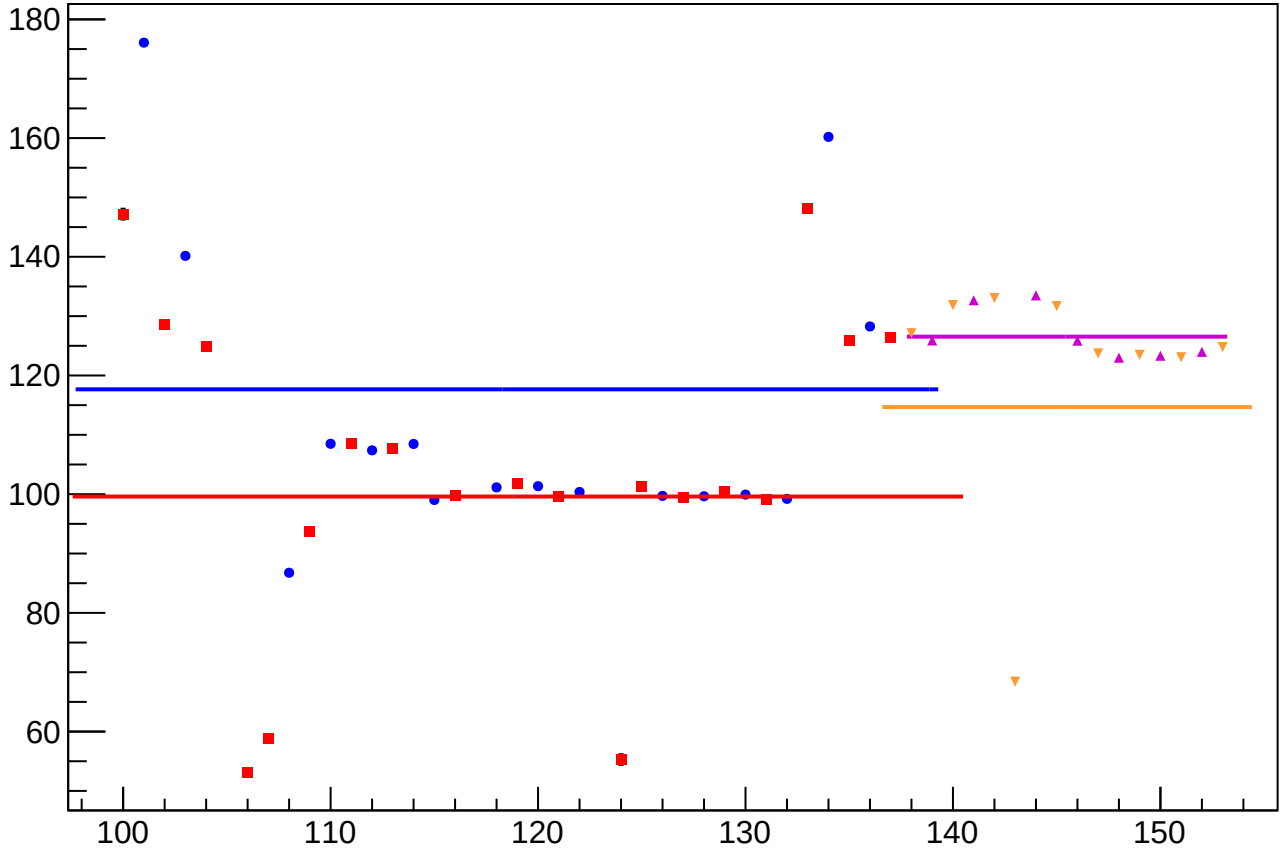
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -72.384+/-0.912 χ^2/NDF:502.9/22

Out: -66.273+/-0.823 χ^2/NDF:936.7/27

All: -69.015+/-0.611 χ^2/NDF: 1464.4/50

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 114.676+/-0.056 χ^2/NDF:186926.2/8

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 126.543+/-0.063 χ^2/NDF:3900.9/6

Left: 119.877+/-0.042 χ^2/NDF: 210730.9/15

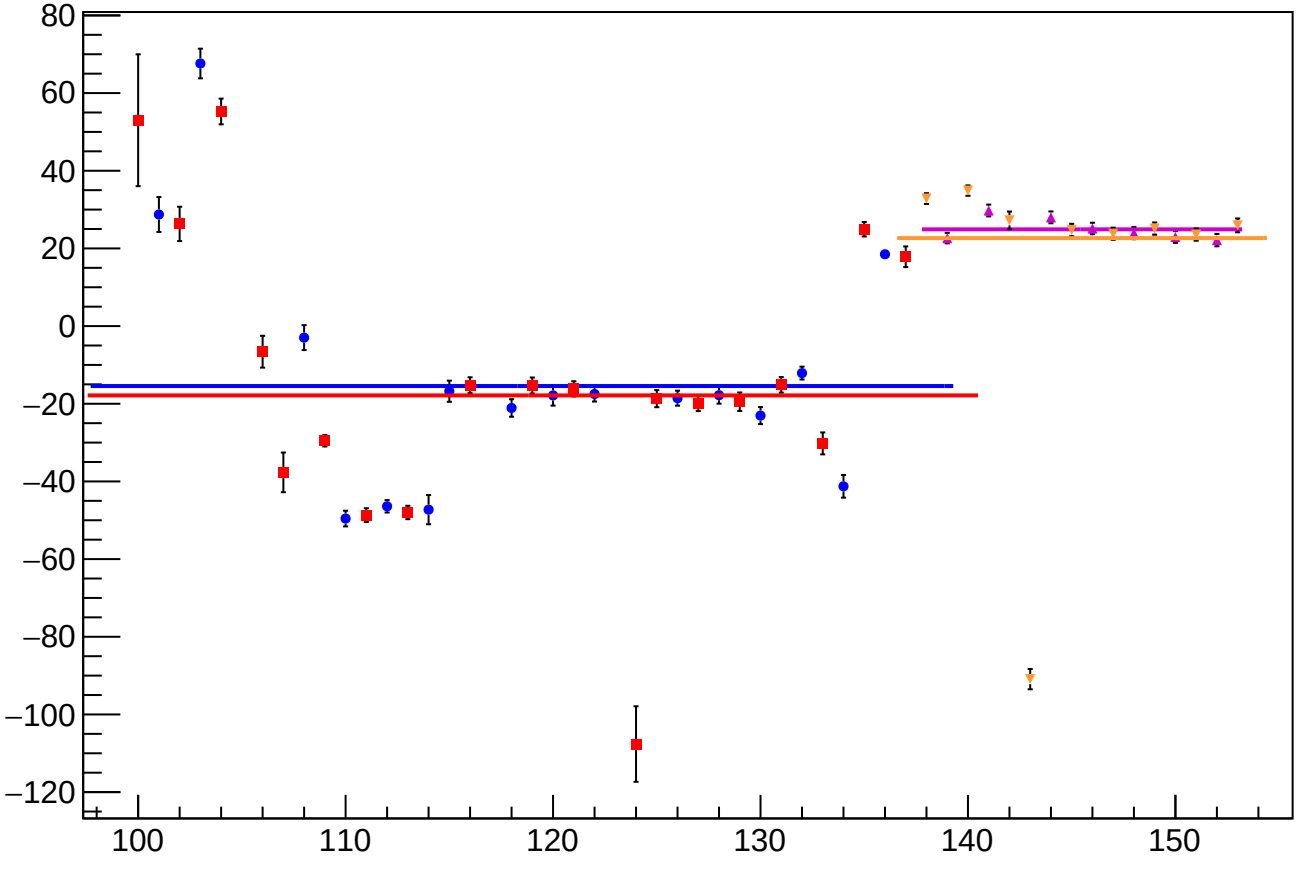
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.049+/-0.049 χ^2/NDF:107102.3/22

Out: 108.866+/-0.044 χ^2/NDF:381404.9/27

All: 115.128+/-0.033 χ^2/NDF: 535120.7/50

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 22.659+/-0.548 χ^2/NDF:2039.4/8

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 24.910+/-0.568 χ^2/NDF:22.1/6

Left: 23.743+/-0.394 χ^2/NDF: 2069.6/15

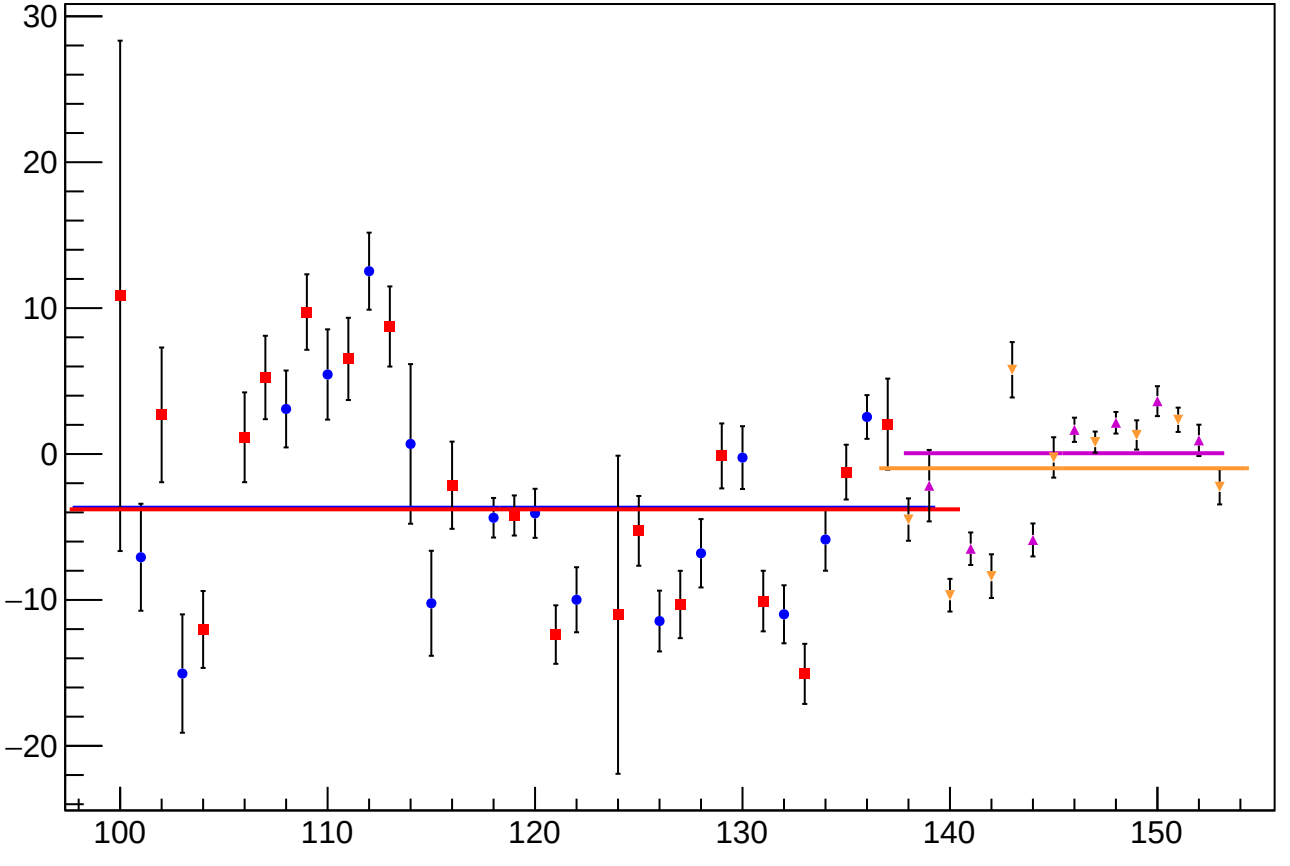
Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: 3.672+/-0.391 χ^2/NDF:4799.9/22

Out: 1.727+/-0.381 χ^2/NDF:6991.3/27

All: 2.673+/-0.273 χ^2/NDF: 11803.9/50

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -0.975+/-0.364 χ^2/NDF:131.8/8

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: 0.055+/-0.382 χ^2/NDF:87.5/6

Left: -0.485+/-0.263 χ^2/NDF: 223.1/15

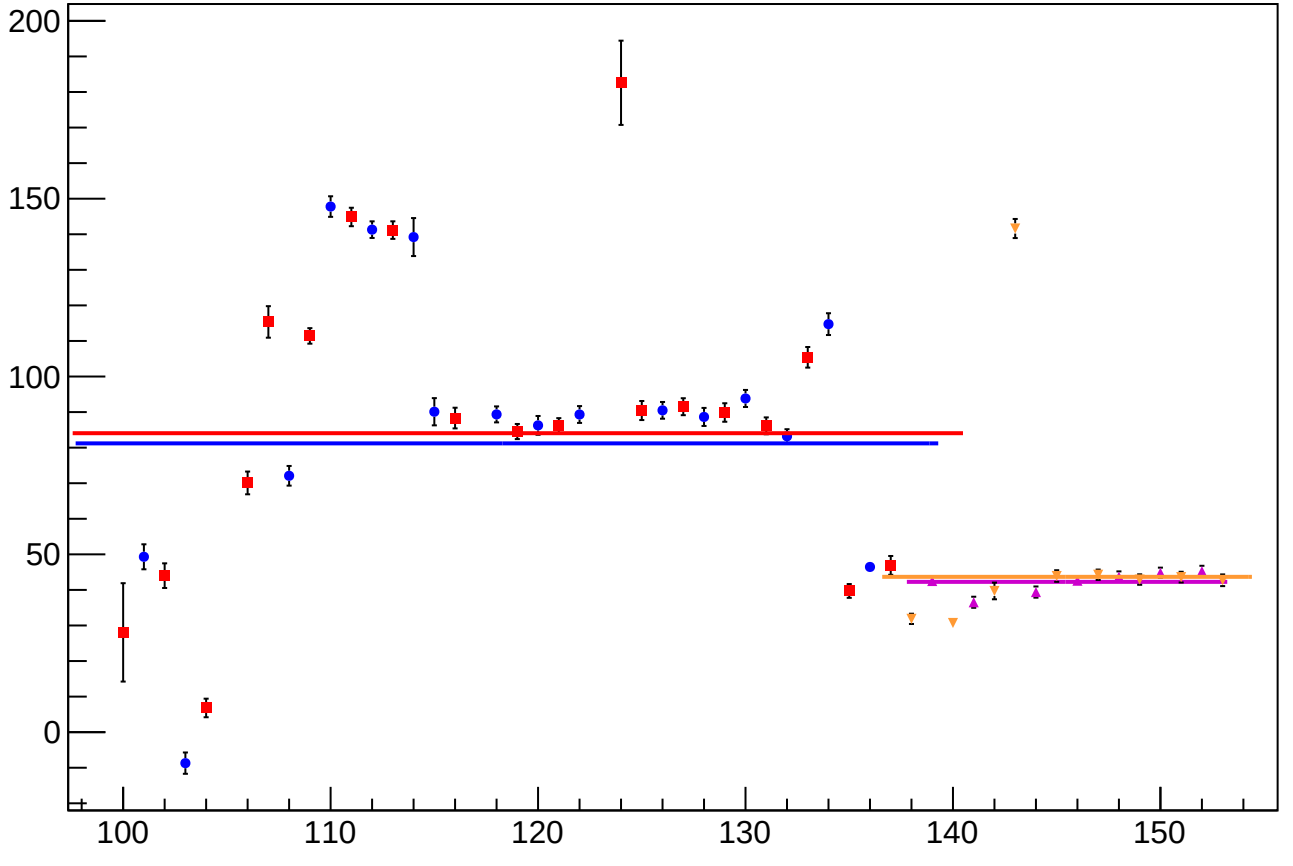
Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -1.155+/-0.314 χ^2/NDF:242.4/22

Out: -1.803+/-0.306 χ^2/NDF:310.6/27

All: -1.488+/-0.219 χ^2/NDF: 555.2/50

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 43.676+/-0.539 χ^2/NDF:1487.7/8

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 42.264+/-0.558 χ^2/NDF:25.1/6

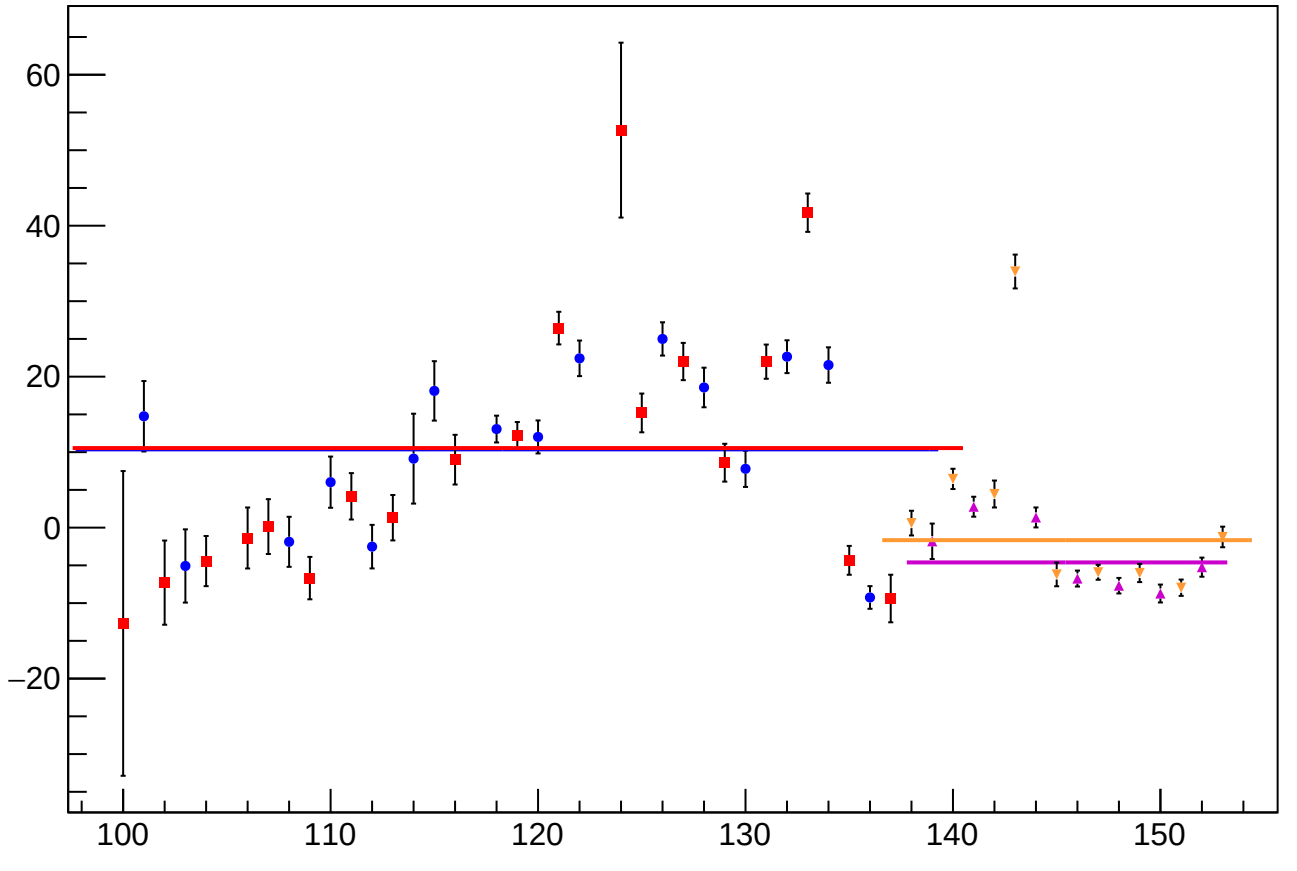
Left: 42.994+/-0.388 χ^2/NDF: 1516.1/15

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 60.109+/-0.411 χ^2/NDF:5484.5/22

Out: 61.190+/-0.406 χ^2/NDF:7126.9/27

All: 60.656+/-0.289 χ^2/NDF: 12614.9/50



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: -1.660+/-0.449 χ^2/NDF:376.4/8

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -4.610+/-0.471 χ^2/NDF:78.3/6

Left: -3.064+/-0.325 χ^2/NDF: 475.2/15

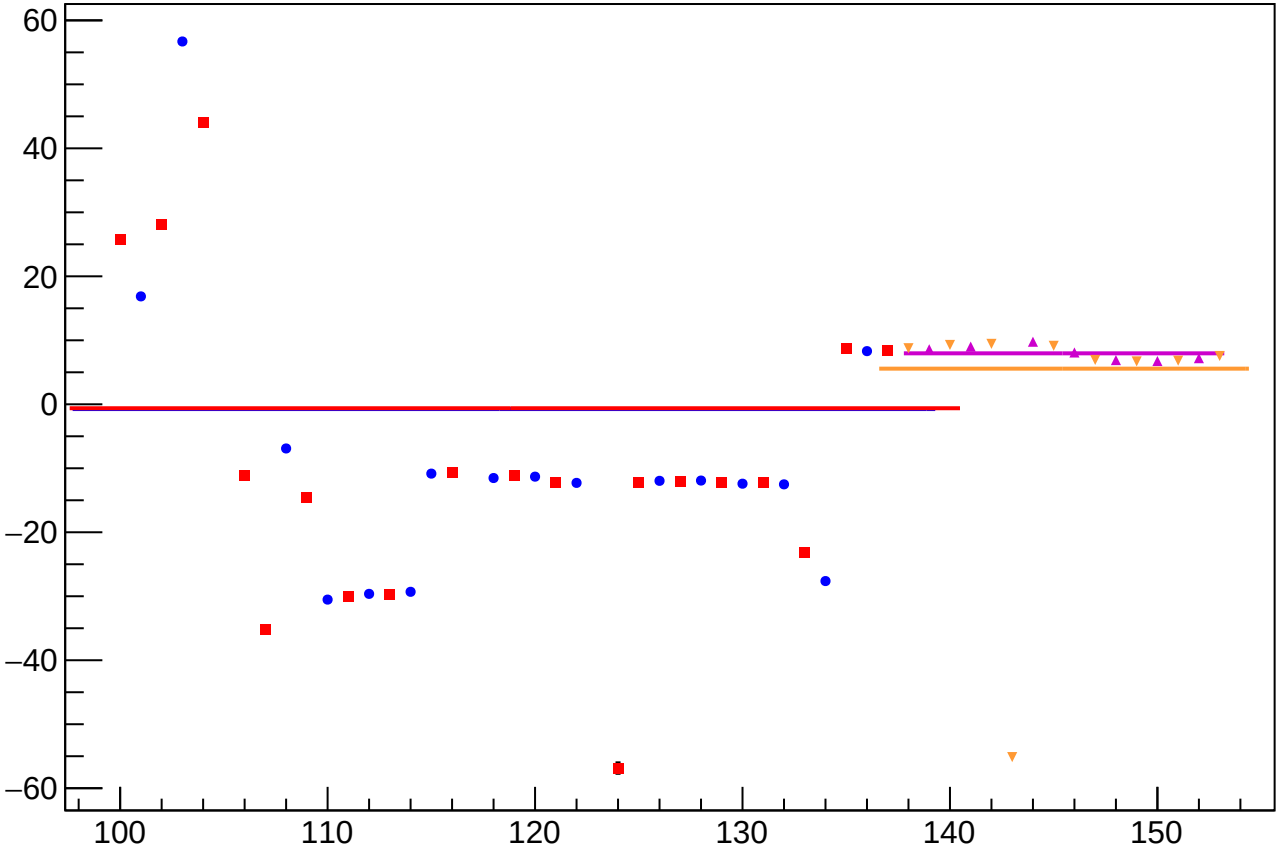
Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 0.804+/-0.377 χ^2/NDF:802.9/22

Out: 2.366+/-0.368 χ^2/NDF:1090.4/27

All: 1.604+/-0.263 χ^2/NDF: 1902.1/50

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: 5.569+/-0.022 χ^2/NDF:309054.8/8

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 7.964+/-0.022 χ^2/NDF:2050.9/6

Left: 6.745+/-0.016 χ^2/NDF: 317046.0/15

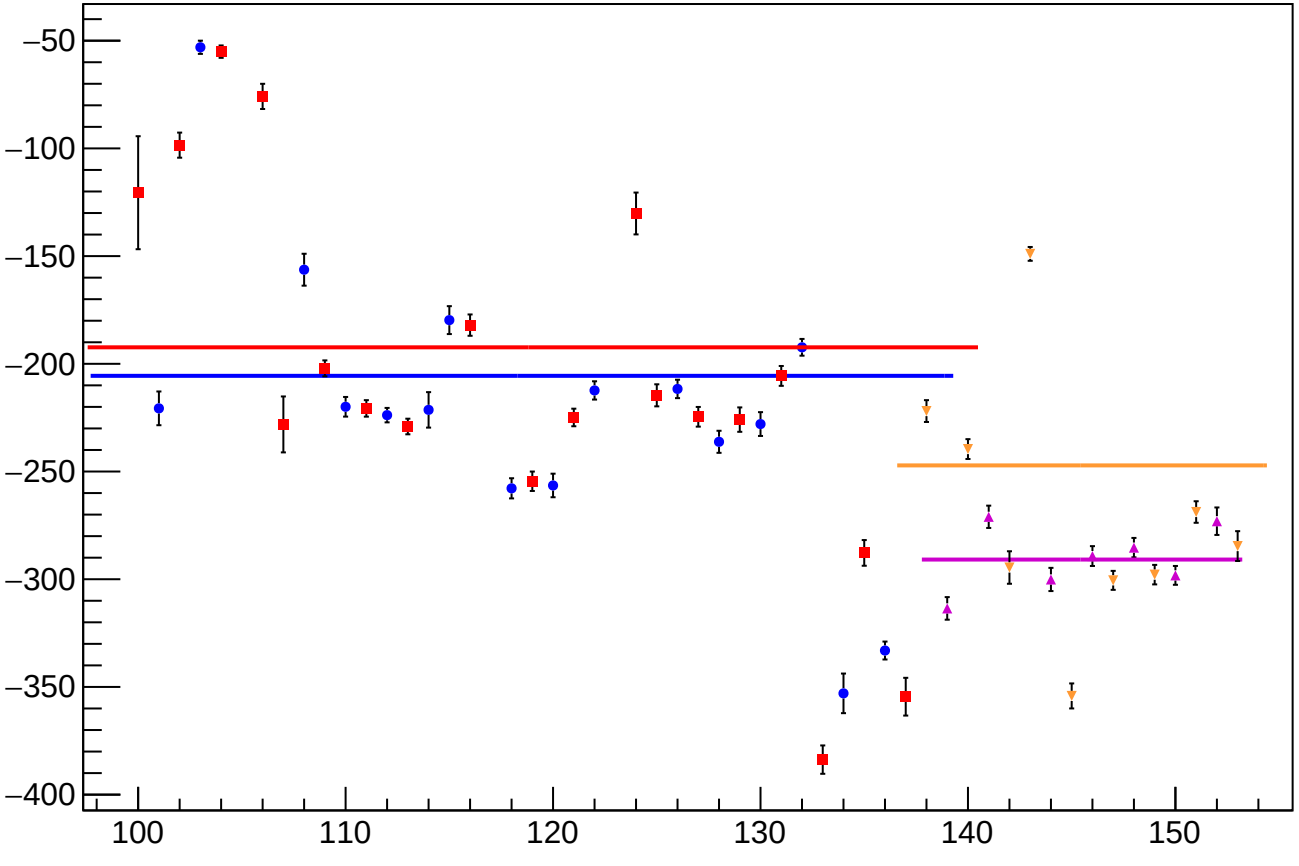
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 5.558+/-0.019 χ^2/NDF:412688.1/22

Out: 3.999+/-0.019 χ^2/NDF:646044.3/27

All: 4.776+/-0.013 χ^2/NDF: 1062161.7/50

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: -247.158+/-1.598 χ^2/NDF:1663.8/8

Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -290.868+/-1.885 χ^2/NDF:48.6/6

Left: -265.436+/-1.219 χ^2/NDF: 2025.4/15

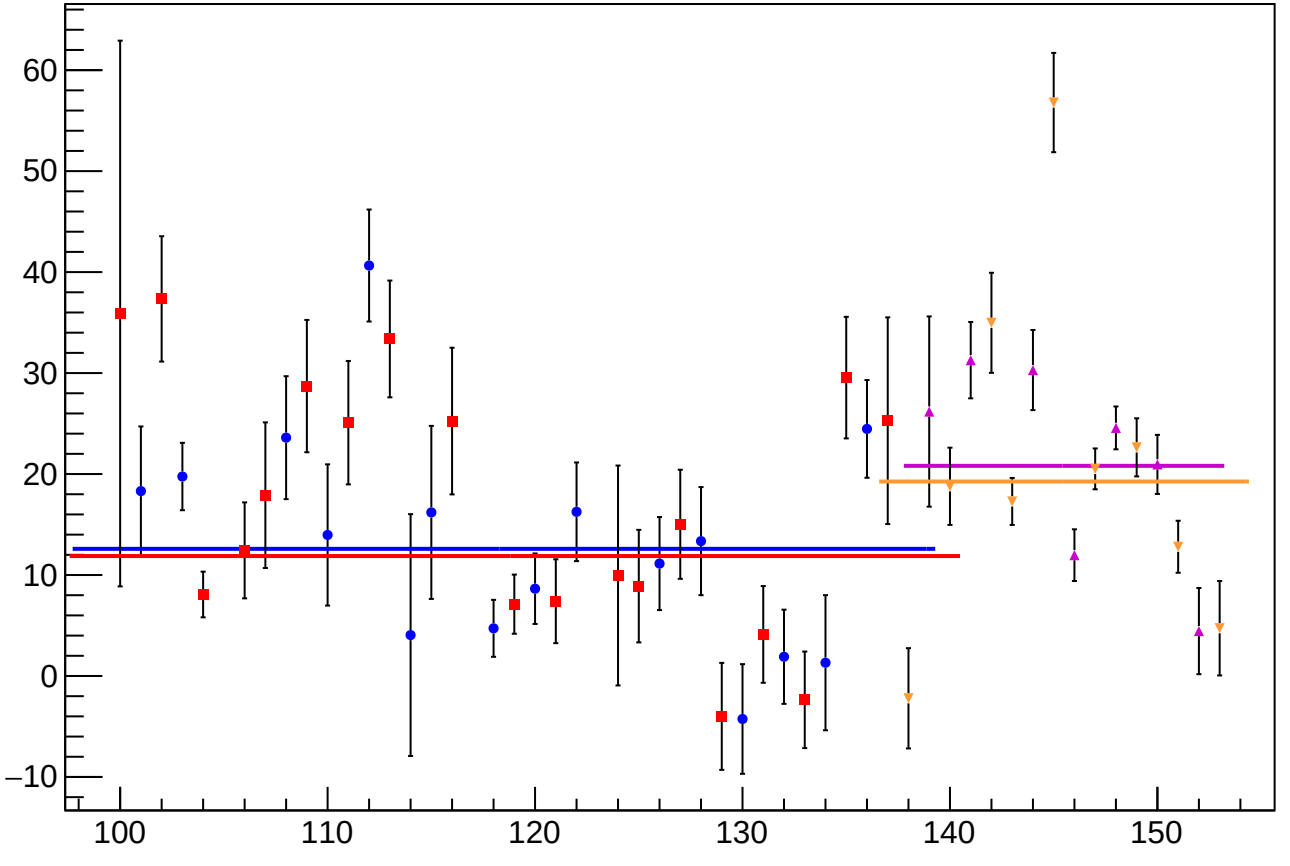
Right: -198.605+/-0.815 χ^2/NDF: 9091.6/34

In: -229.735+/-1.003 χ^2/NDF:5572.6/22

Out: -210.460+/-0.918 χ^2/NDF:7421.6/27

All: -219.251+/-0.677 χ^2/NDF: 13195.1/50

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.592+/-1.203 χ^2/NDF: 68.5/15

Left Out: 19.259+/-1.033 χ^2/NDF:105.5/8

Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

Left In: 20.813+/-1.203 χ^2/NDF:43.5/6

Left: 19.919+/-0.783 χ^2/NDF: 149.9/15

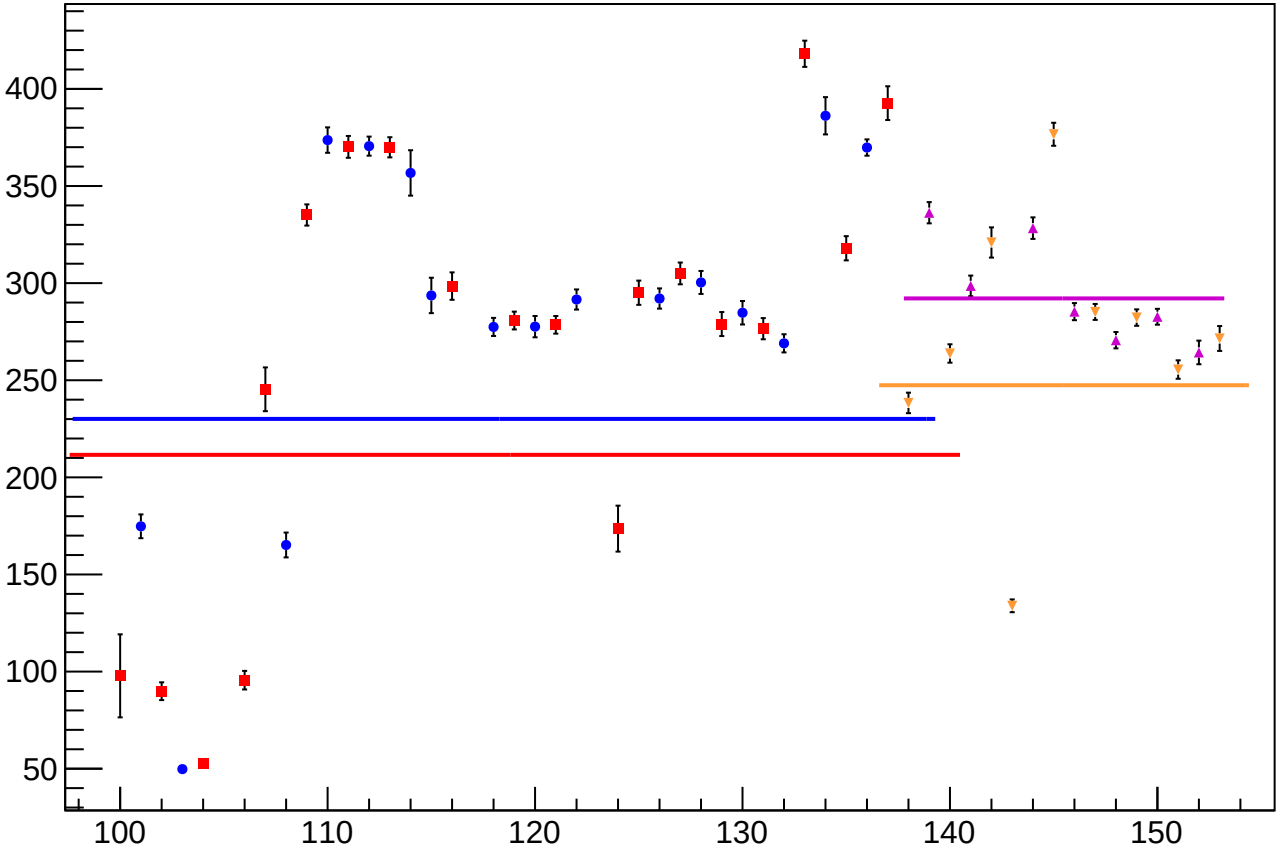
Right: 12.211+/-0.820 χ^2/NDF: 153.6/34

In: 16.703+/-0.850 χ^2/NDF:135.3/22

Out: 15.874+/-0.760 χ^2/NDF:213.8/27

All: 16.242+/-0.567 χ^2/NDF: 349.7/50

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: 247.422+/-1.579 χ^2/NDF:1934.7/8

Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 292.132+/-1.837 χ^2/NDF:163.8/6

Left: 266.415+/-1.197 χ^2/NDF: 2439.3/15

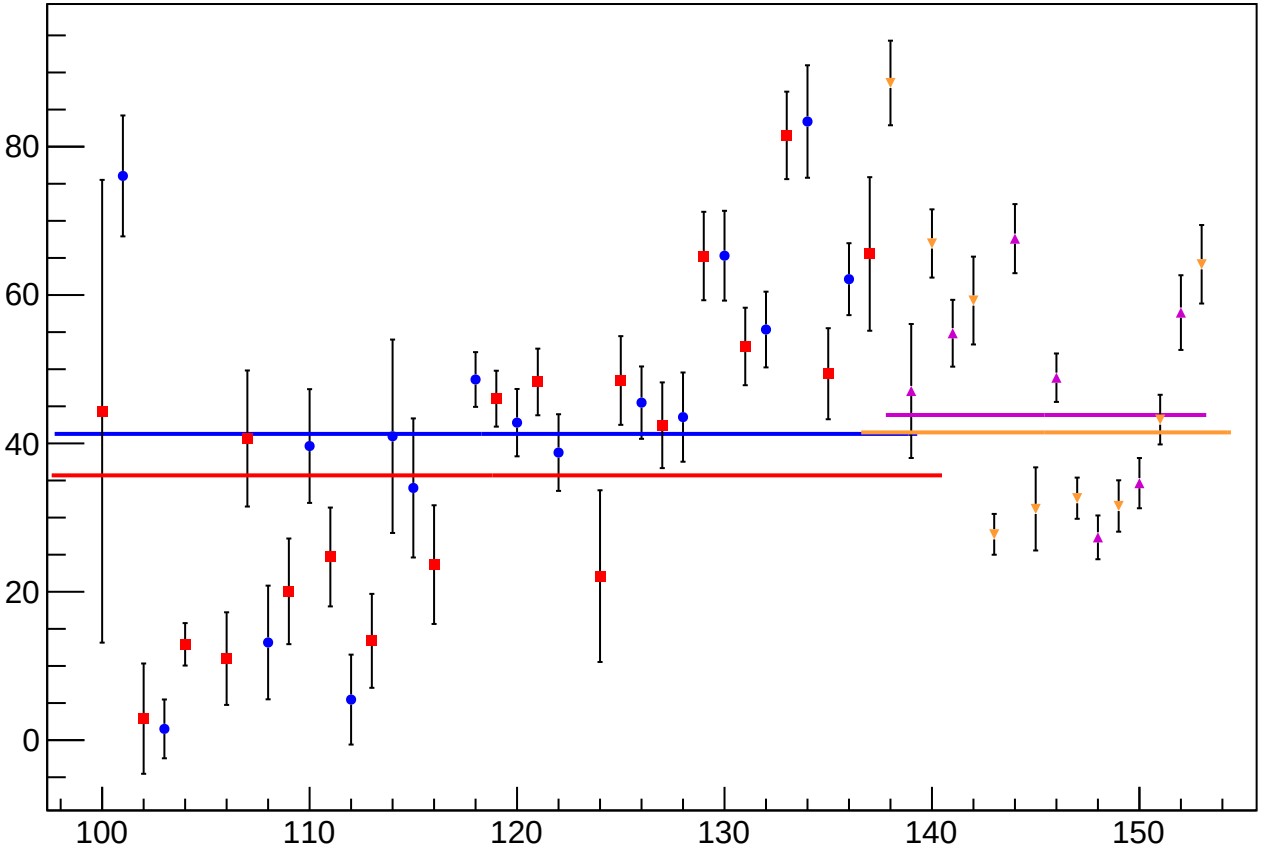
Right: 220.357+/-0.867 χ^2/NDF: 20961.4/34

In: 249.935+/-1.039 χ^2/NDF:10315.2/22

Out: 224.646+/-0.953 χ^2/NDF:13734.4/27

All: 236.202+/-0.702 χ^2/NDF: 24371.4/50

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 41.484+/-1.282 χ^2/NDF:173.3/8

Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 43.830+/-1.502 χ^2/NDF:80.7/6

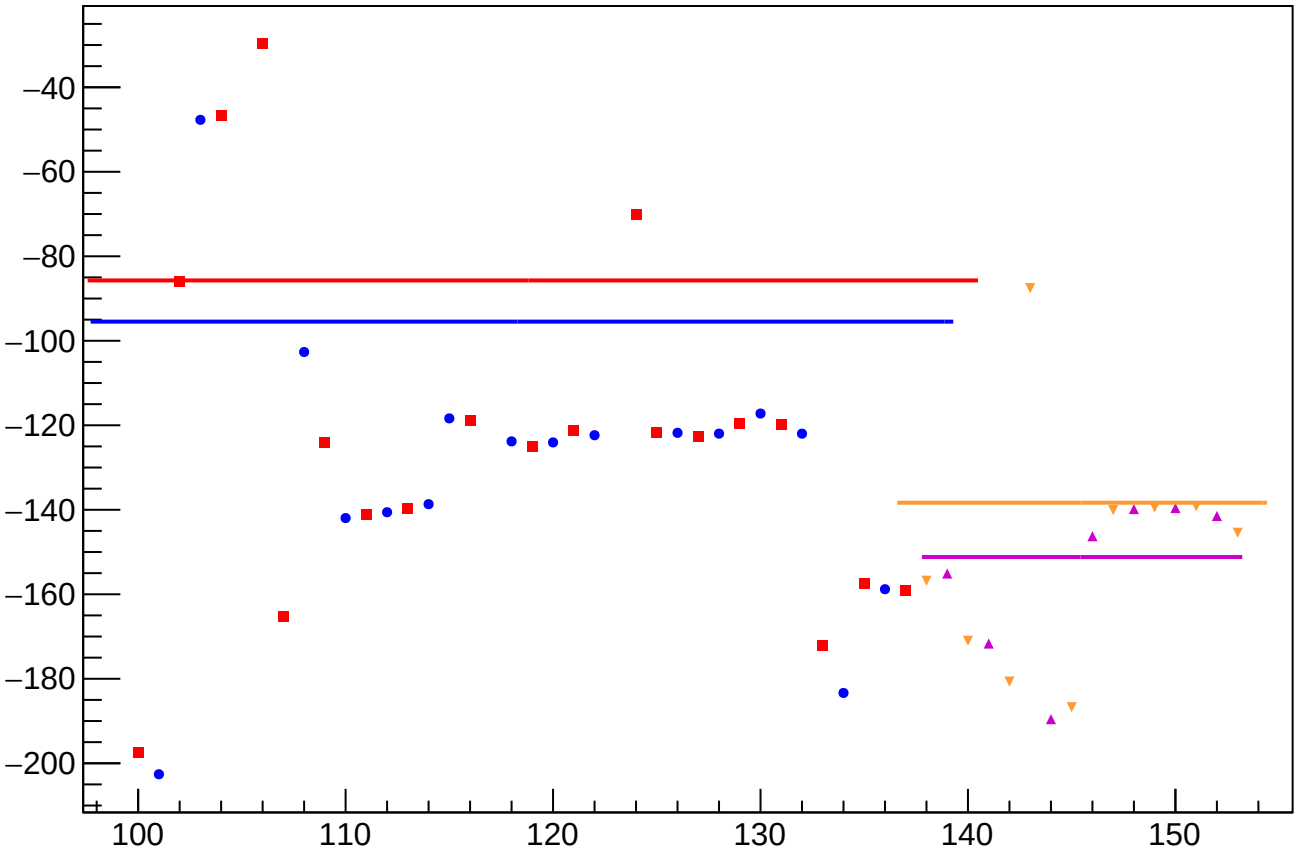
Left: 42.472+/-0.975 χ^2/NDF: 255.4/15

Right: 38.321+/-0.958 χ^2/NDF: 507.4/34

In: 42.464+/-1.023 χ^2/NDF:328.0/22

Out: 38.667+/-0.918 χ^2/NDF:436.4/27

All: 40.361+/-0.684 χ^2/NDF: 772.0/50



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -138.325+/-0.065 χ^2/NDF:229407.9/8

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

Left In: -151.184+/-0.074 χ^2/NDF:45025.4/6

Left: -143.951+/-0.049 χ^2/NDF: 291479.4/15

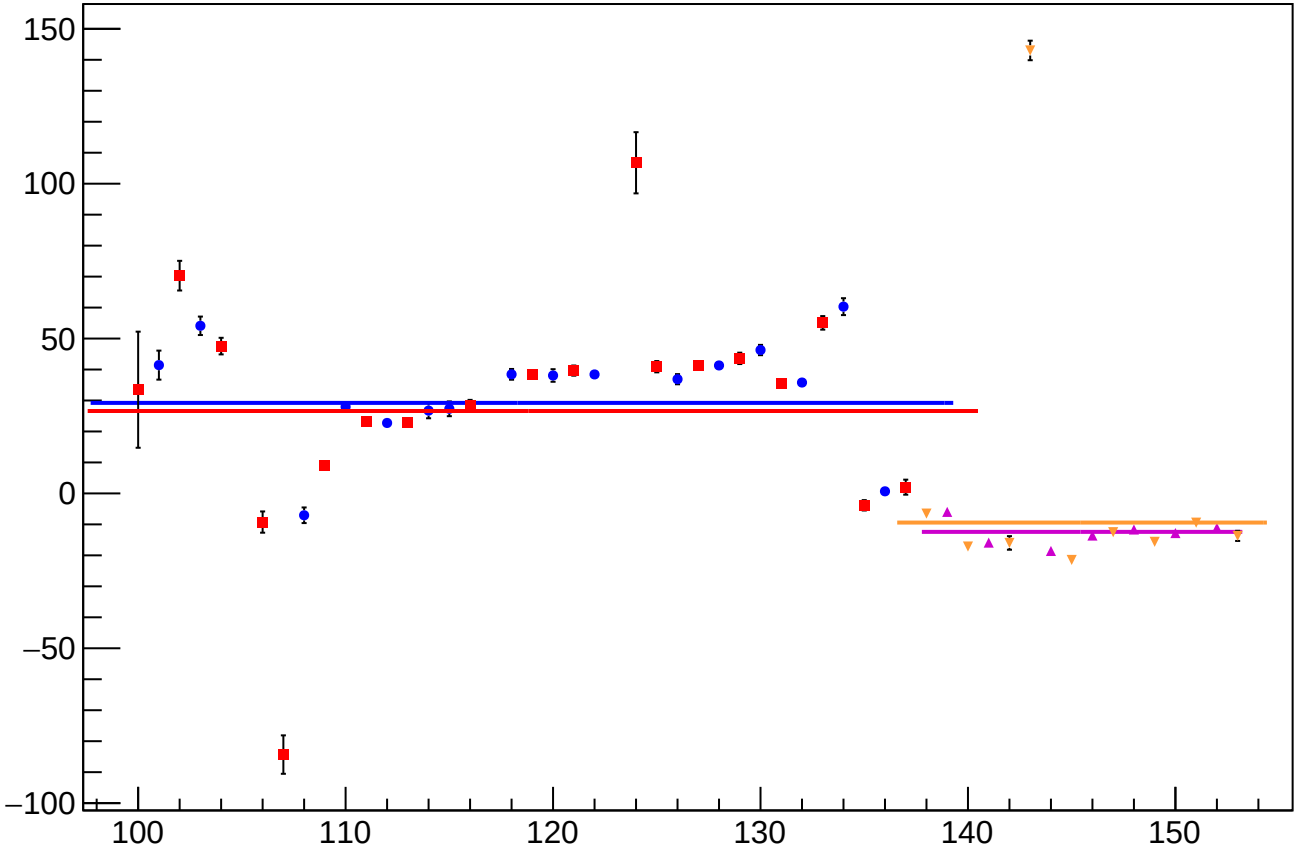
Right: -90.413+/-0.048 χ^2/NDF: 1012777.7/34

In: -121.611+/-0.051 χ^2/NDF:866953.4/22

Out: -112.738+/-0.047 χ^2/NDF:1029166.1/27

All: -116.819+/-0.034 χ^2/NDF: 1912730.7/50

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: -9.410+/-0.514 χ^2/NDF:2474.7/8

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -12.418+/-0.528 χ^2/NDF:52.7/6

Left: -10.873+/-0.368 χ^2/NDF: 2544.0/15

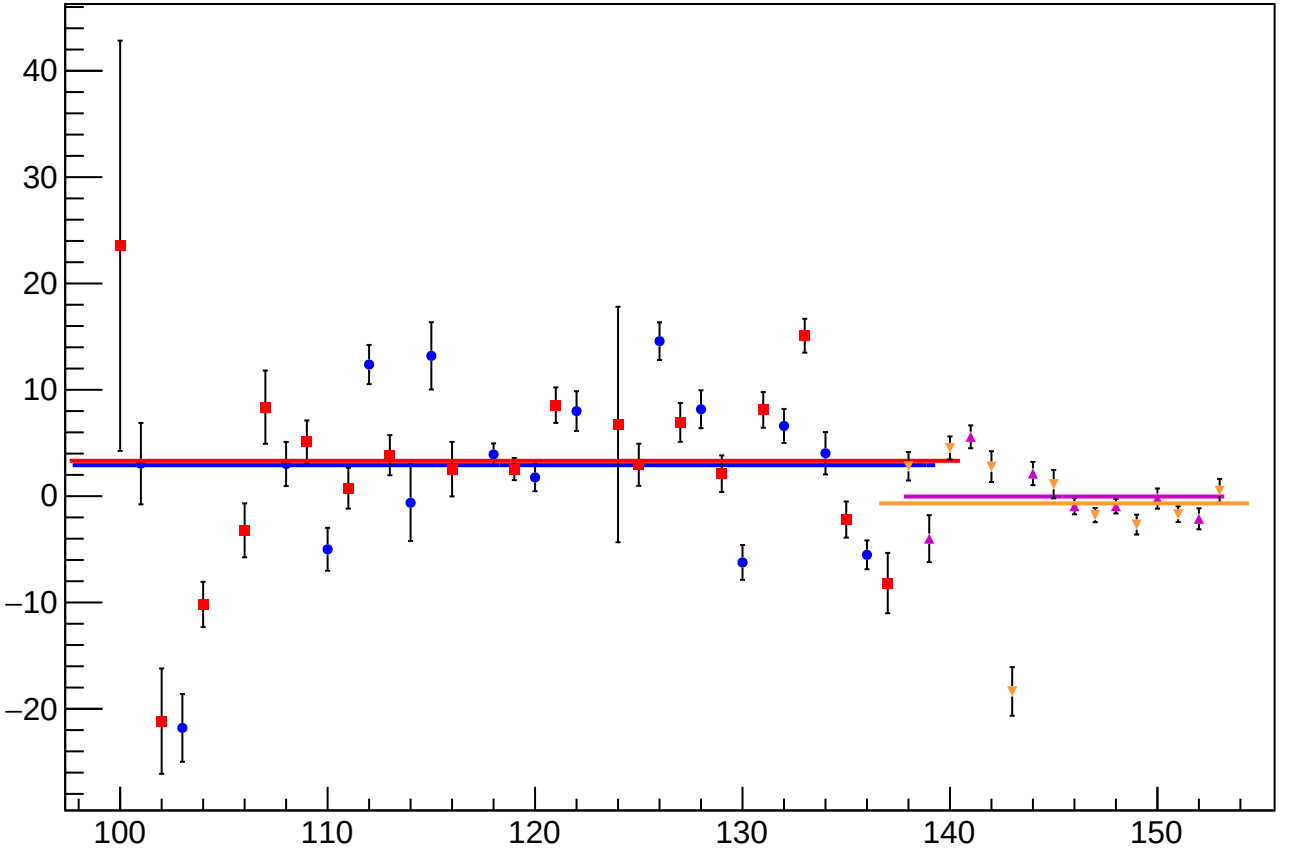
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 12.901+/-0.331 χ^2/NDF:5173.2/22

Out: 12.433+/-0.322 χ^2/NDF:7373.2/27

All: 12.661+/-0.231 χ^2/NDF: 12547.5/50

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: -0.677+/-0.339 χ^2/NDF:107.8/8

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: -0.035+/-0.356 χ^2/NDF:42.2/6

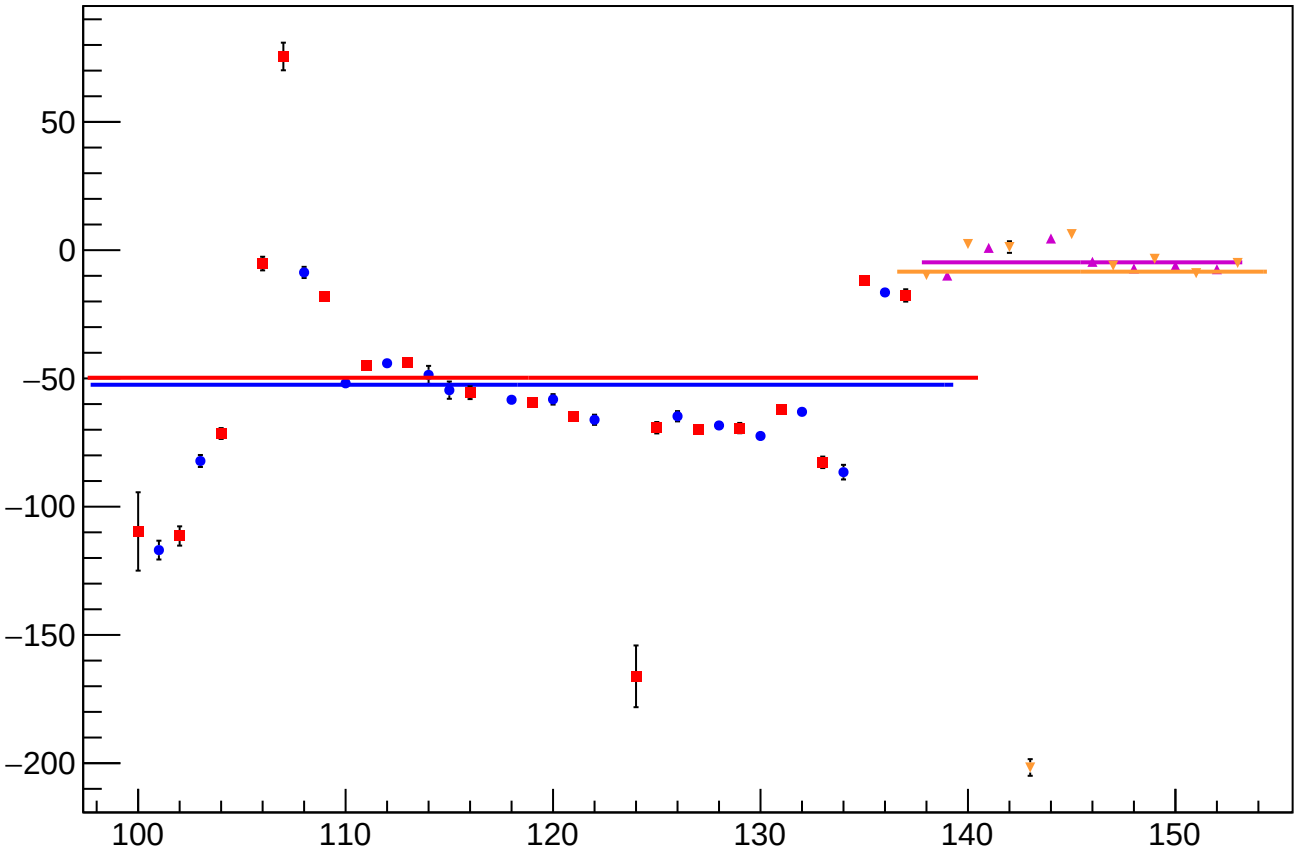
Left: -0.371+/-0.246 χ^2/NDF: 151.6/15

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 1.123+/-0.277 χ^2/NDF:319.1/22

Out: 0.760+/-0.272 χ^2/NDF:339.5/27

All: 0.938+/-0.194 χ^2/NDF: 659.4/50



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -8.379+/-0.505 χ^2/NDF:3742.2/8

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -4.741+/-0.519 χ^2/NDF:75.6/6

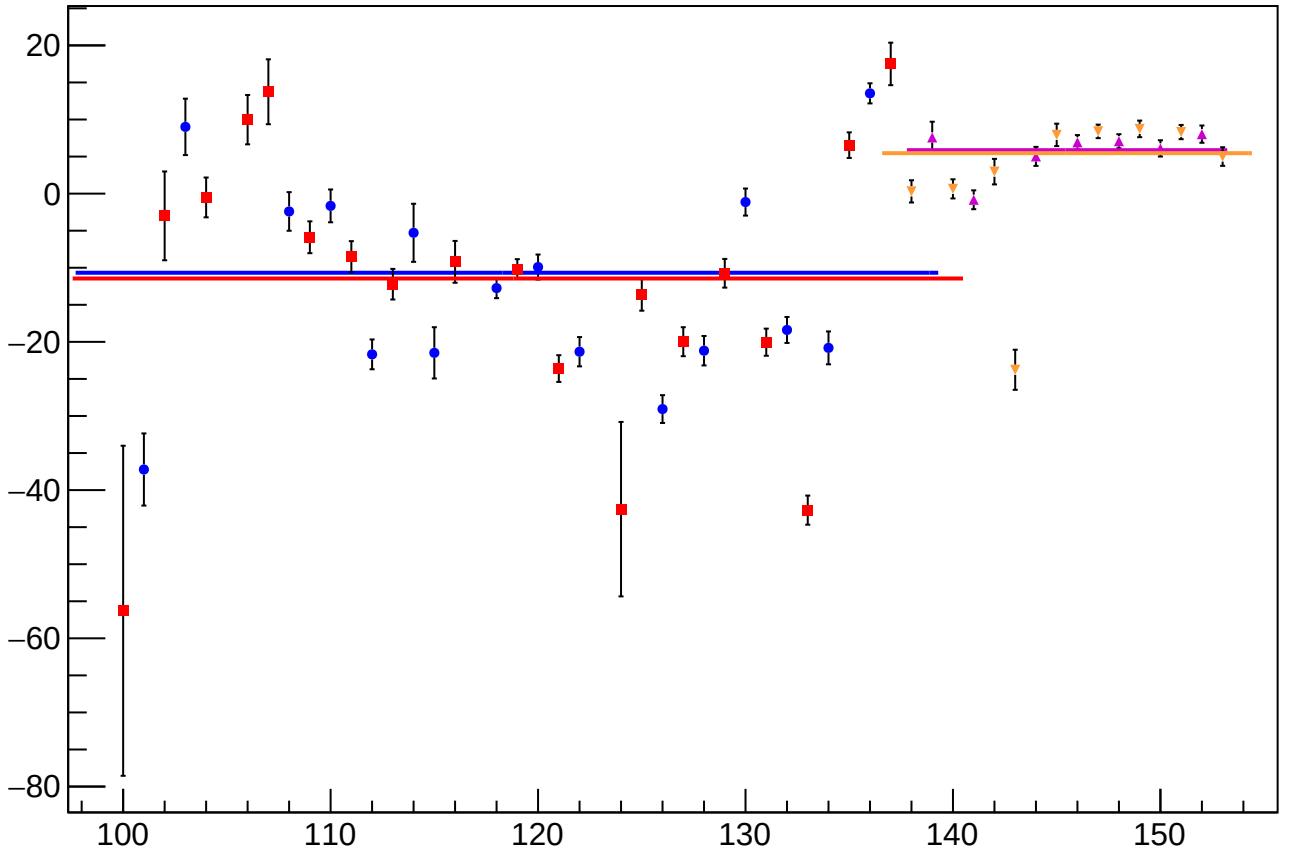
Left: -6.609+/-0.362 χ^2/NDF: 3843.1/15

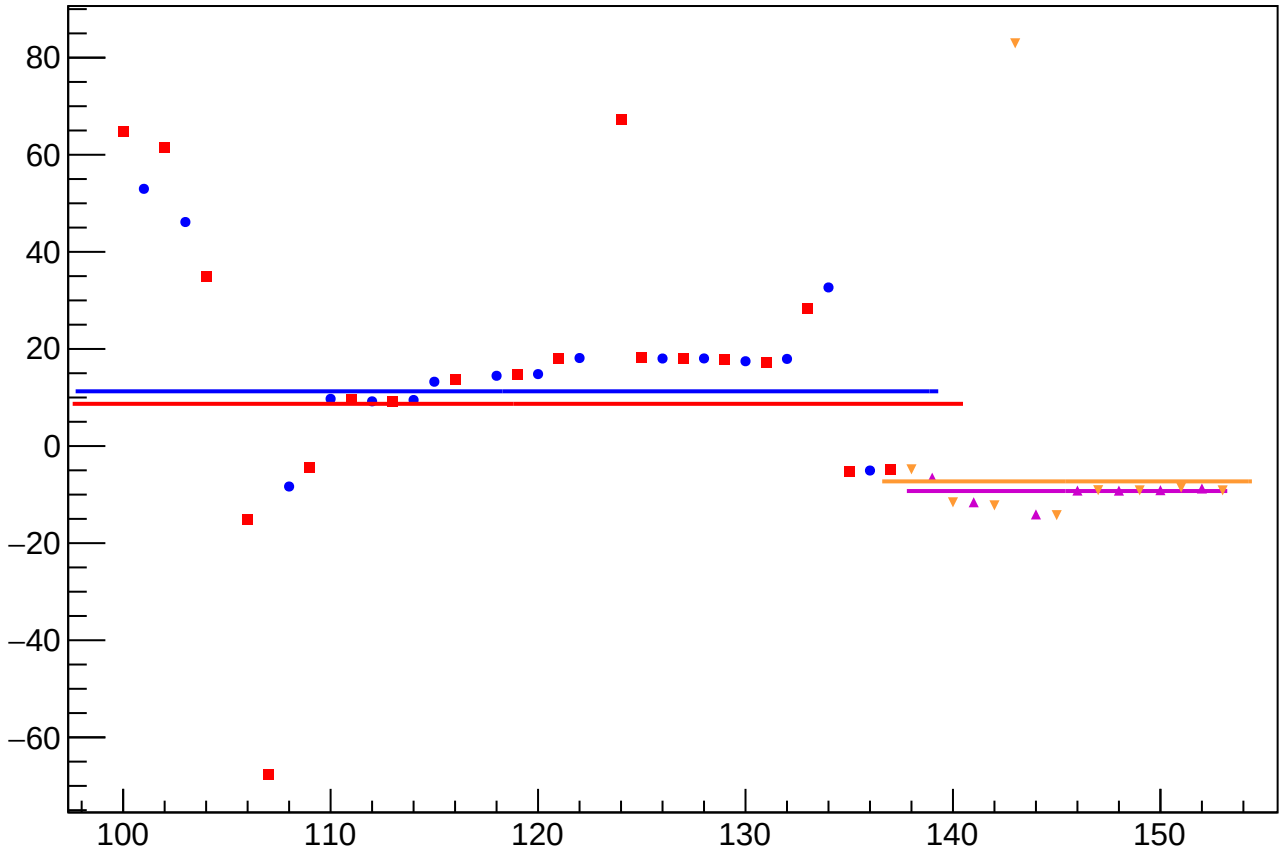
Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -30.073+/-0.355 χ^2/NDF:6897.8/22

Out: -29.514+/-0.353 χ^2/NDF:10177.9/27

All: -29.792+/-0.251 χ^2/NDF: 17076.9/50


reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
100
110
120
130
140
150
Right In: -10.675+/-0.505 χ²/NDF: 666.4/15
Left Out: 5.459+/-0.420 χ²/NDF:175.0/8
Right Out: -11.450+/-0.516 χ²/NDF: 665.7/18
Left In: 5.863+/-0.439 χ²/NDF:35.0/6
Left: 5.652+/-0.304 χ²/NDF: 210.4/15
Right: -11.054+/-0.361 χ²/NDF: 1333.3/34
In: -1.251+/-0.332 χ²/NDF:1311.4/22
Out: -1.279+/-0.326 χ²/NDF:1486.5/27
All: -1.266+/-0.232 χ²/NDF: 2797.9/50



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -7.277+/-0.020 χ^2/NDF:472952.2/8

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.264+/-0.021 χ^2/NDF:10200.9/6

Left: -8.261+/-0.014 χ^2/NDF: 487882.1/15

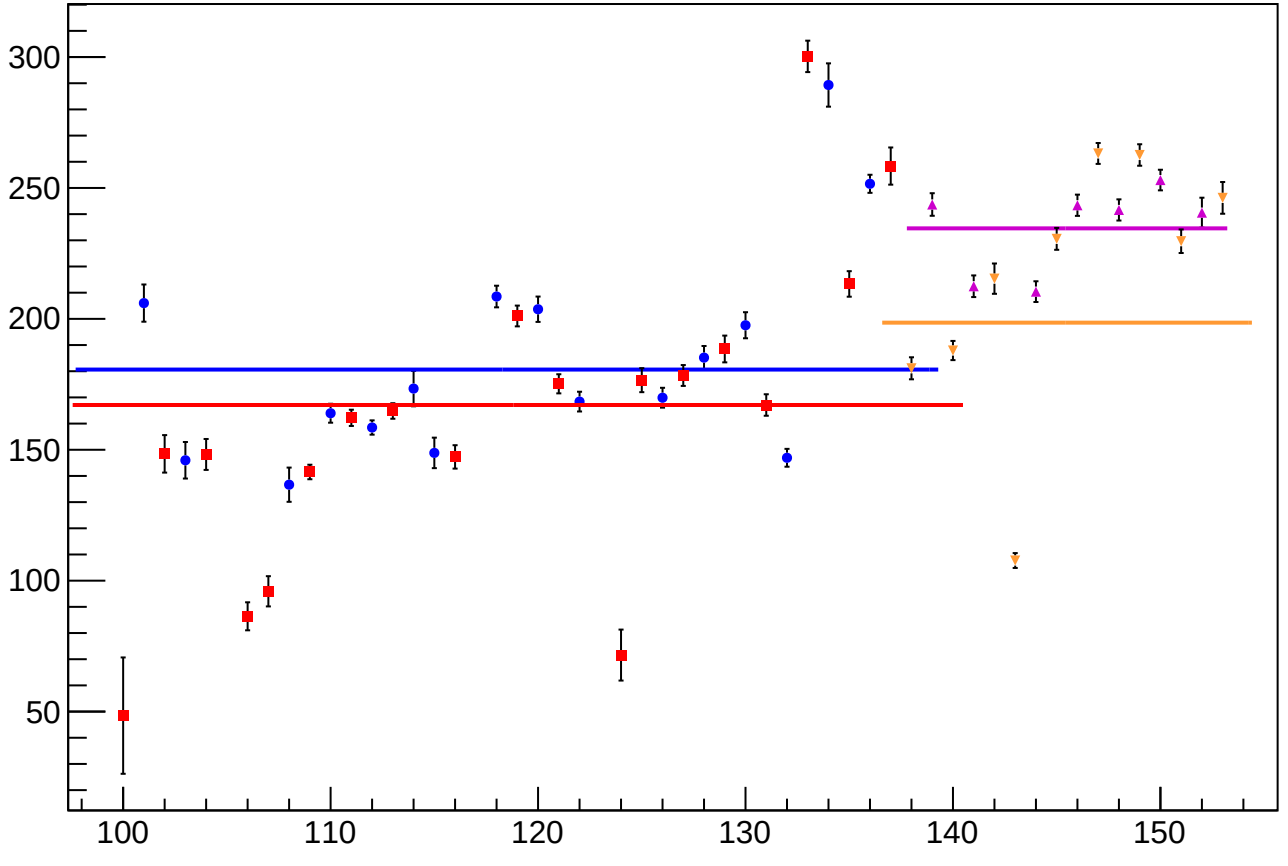
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -2.686+/-0.017 χ^2/NDF:679892.3/22

Out: -2.559+/-0.017 χ^2/NDF:1091248.6/27

All: -2.623+/-0.012 χ^2/NDF: 1771168.7/50

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 198.554+/-1.360 χ^2/NDF:1730.3/8

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 234.566+/-1.595 χ^2/NDF:101.1/6

Left: 213.717+/-1.035 χ^2/NDF: 2126.7/15

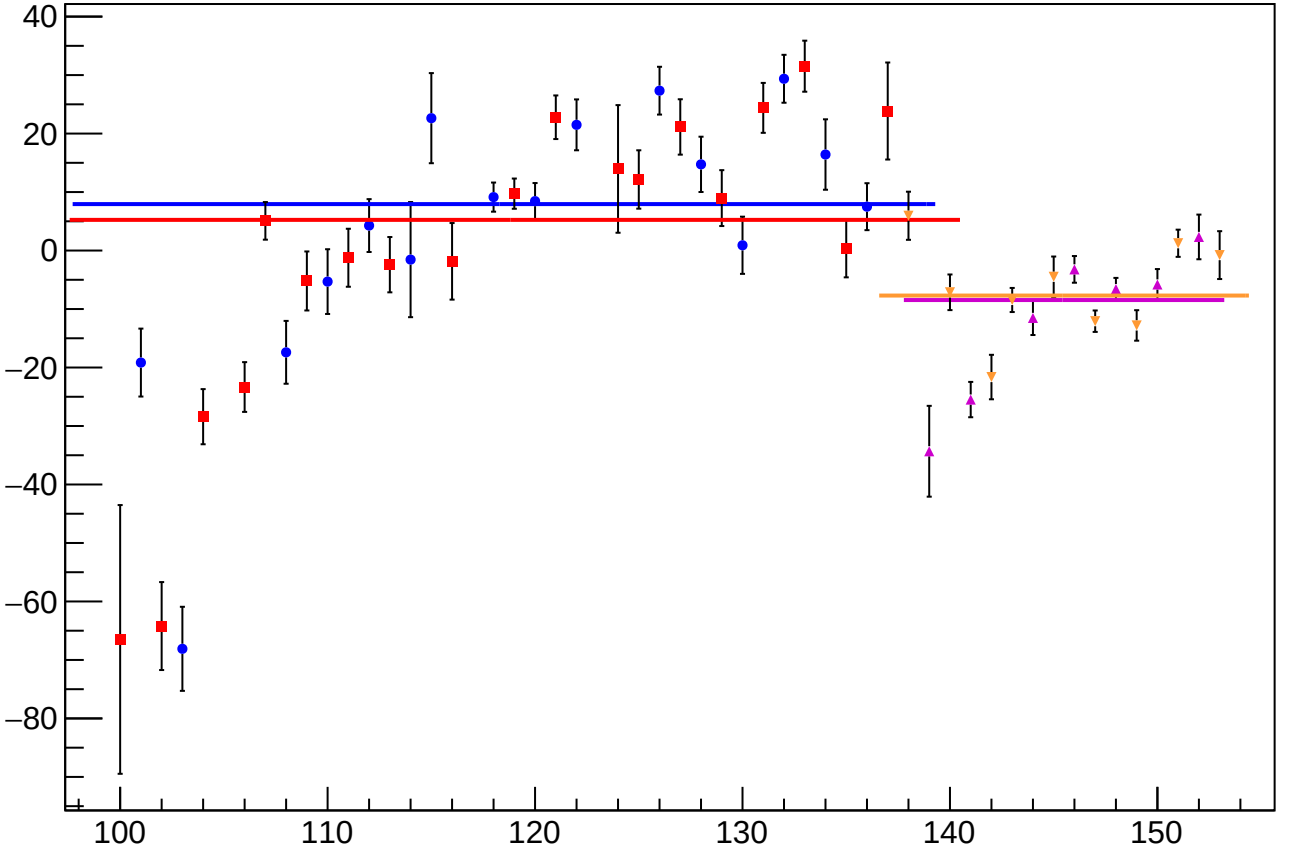
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 197.799+/-0.900 χ^2/NDF:1874.2/22

Out: 178.436+/-0.816 χ^2/NDF:3557.0/27

All: 187.180+/-0.605 χ^2/NDF: 5685.2/50

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: -7.695+/-0.896 χ^2/NDF:52.7/8

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -8.464+/-1.041 χ^2/NDF:59.2/6

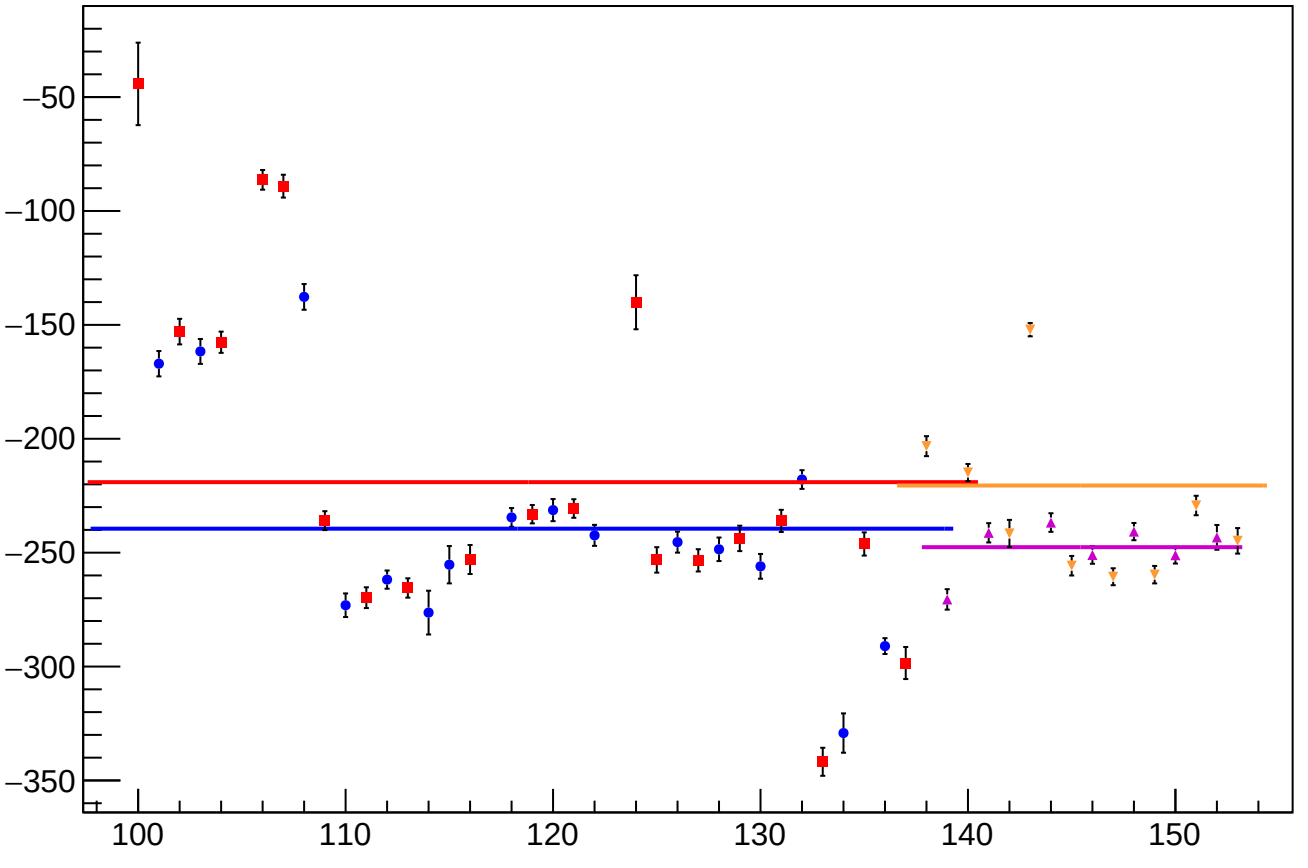
Left: -8.023+/-0.679 χ^2/NDF: 112.2/15

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: -0.814+/-0.760 χ^2/NDF:408.0/22

Out: -2.313+/-0.685 χ^2/NDF:442.3/27

All: -1.641+/-0.509 χ^2/NDF: 852.4/50



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -220.526+/-1.350 χ^2/NDF:888.6/8

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -247.587+/-1.563 χ^2/NDF:40.9/6

Left: -232.086+/-1.022 χ^2/NDF: 1101.0/15

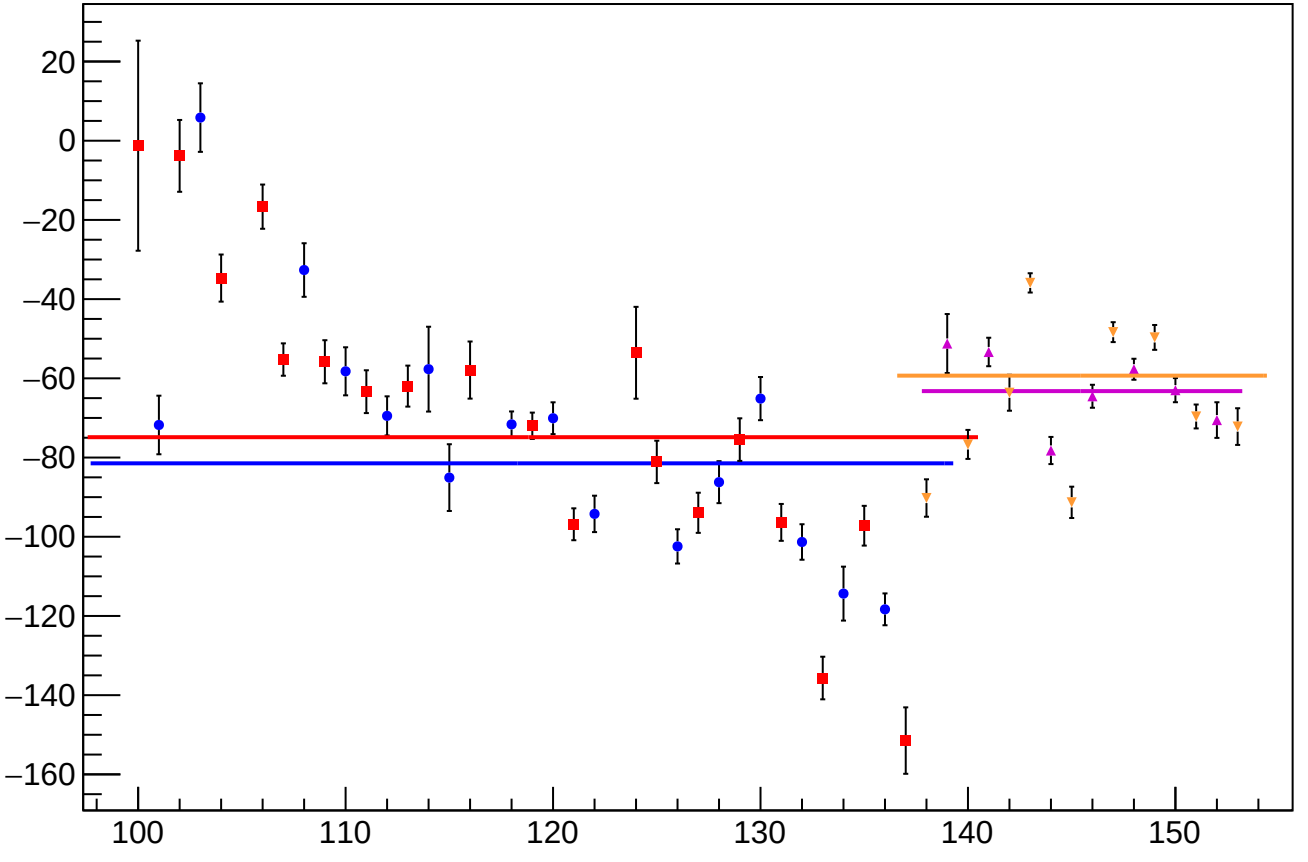
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -242.620+/-0.974 χ^2/NDF:1219.6/22

Out: -219.689+/-0.887 χ^2/NDF:3938.5/27

All: -230.082+/-0.656 χ^2/NDF: 5461.1/50

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: -59.320+/-1.107 χ^2/NDF:271.9/8

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -63.225+/-1.293 χ^2/NDF:36.5/6

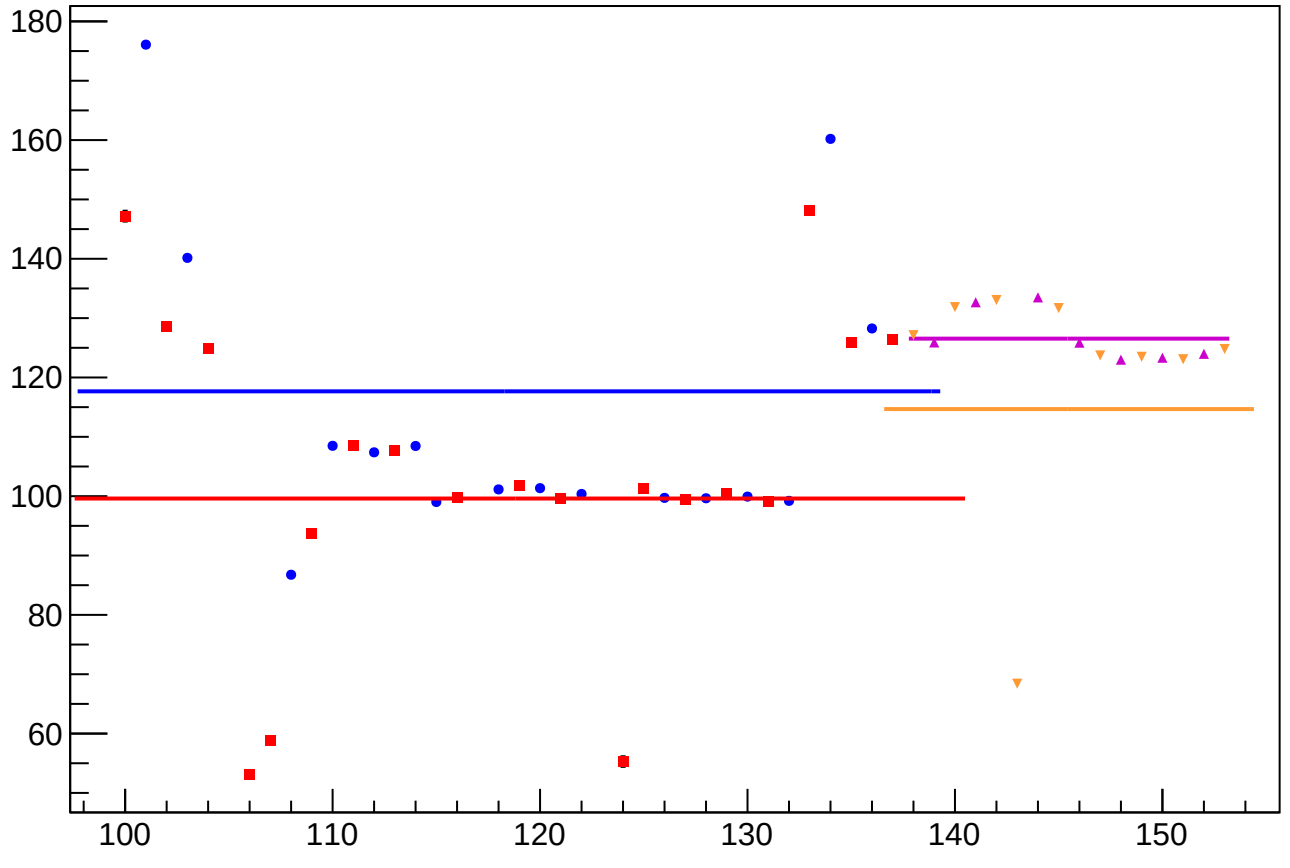
Left: -60.972+/-0.841 χ^2/NDF: 313.6/15

Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -72.384+/-0.912 χ^2/NDF:502.9/22

Out: -66.273+/-0.823 χ^2/NDF:936.7/27

All: -69.015+/-0.611 χ^2/NDF: 1464.4/50



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 114.676+/-0.056 χ^2/NDF:186926.2/8

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 126.543+/-0.063 χ^2/NDF:3900.9/6

Left: 119.877+/-0.042 χ^2/NDF: 210730.9/15

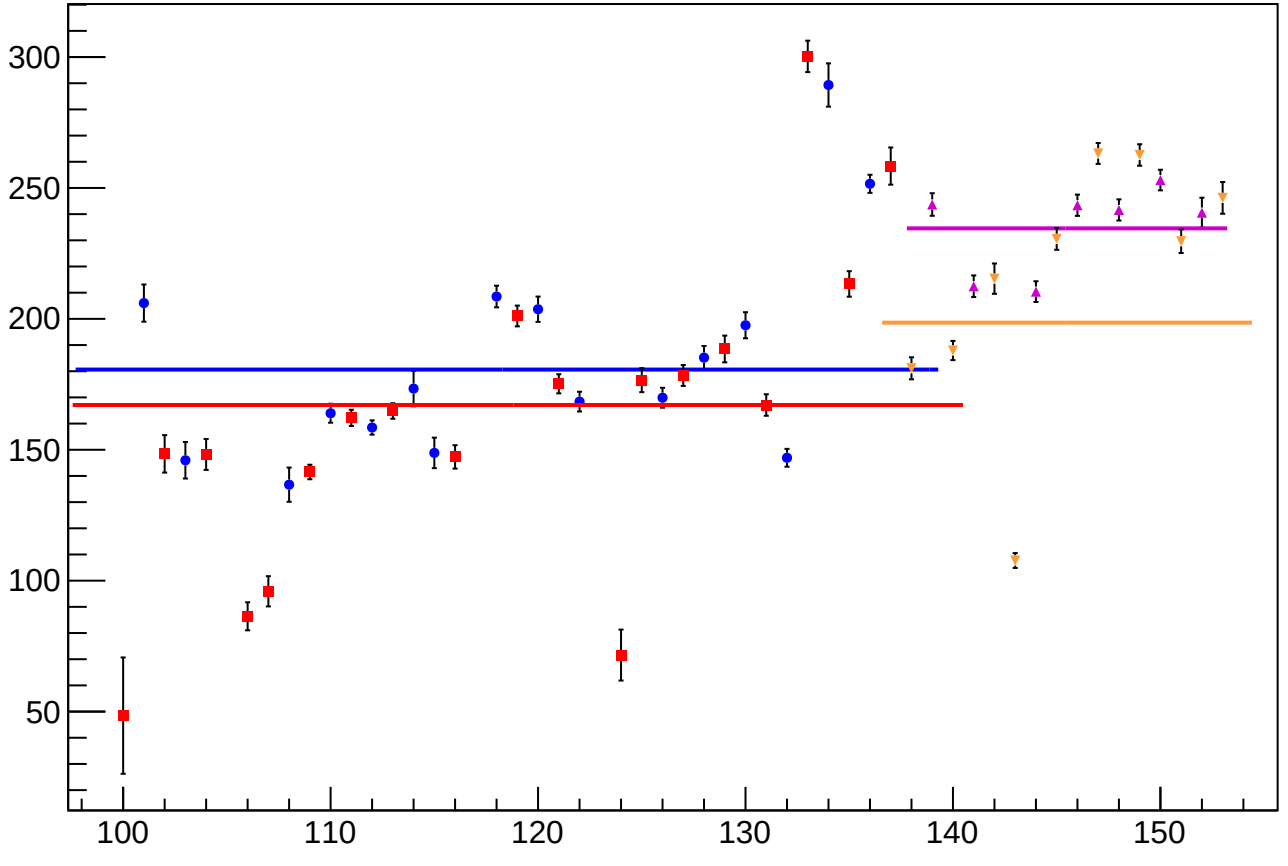
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.049+/-0.049 χ^2/NDF:107102.3/22

Out: 108.866+/-0.044 χ^2/NDF:381404.9/27

All: 115.128+/-0.033 χ^2/NDF: 535120.7/50

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: 198.554+/-1.360 χ^2/NDF:1730.3/8

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 234.566+/-1.595 χ^2/NDF:101.1/6

Left: 213.717+/-1.035 χ^2/NDF: 2126.7/15

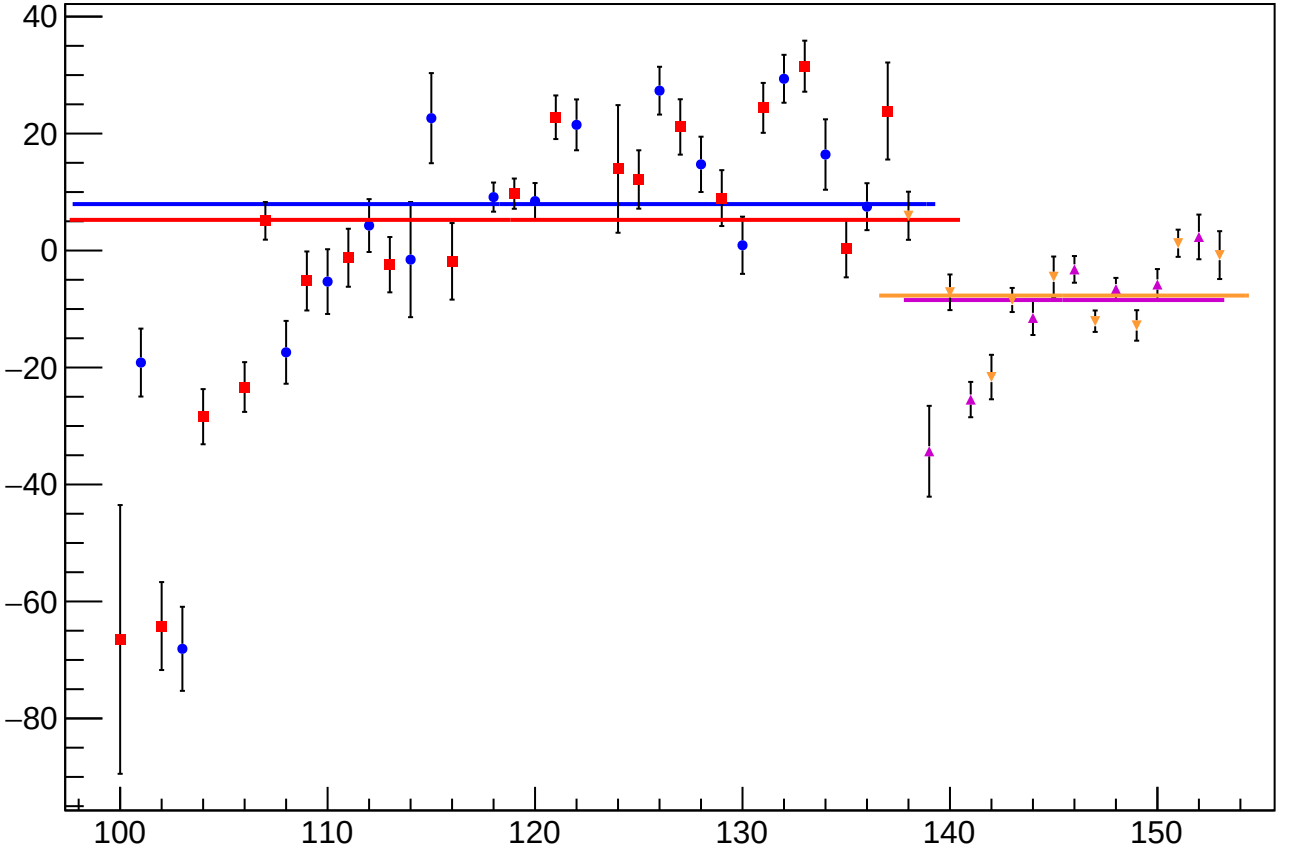
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 197.799+/-0.900 χ^2/NDF:1874.2/22

Out: 178.436+/-0.816 χ^2/NDF:3557.0/27

All: 187.180+/-0.605 χ^2/NDF: 5685.2/50

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: -7.695+/-0.896 χ^2/NDF:52.7/8

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -8.464+/-1.041 χ^2/NDF:59.2/6

Left: -8.023+/-0.679 χ^2/NDF: 112.2/15

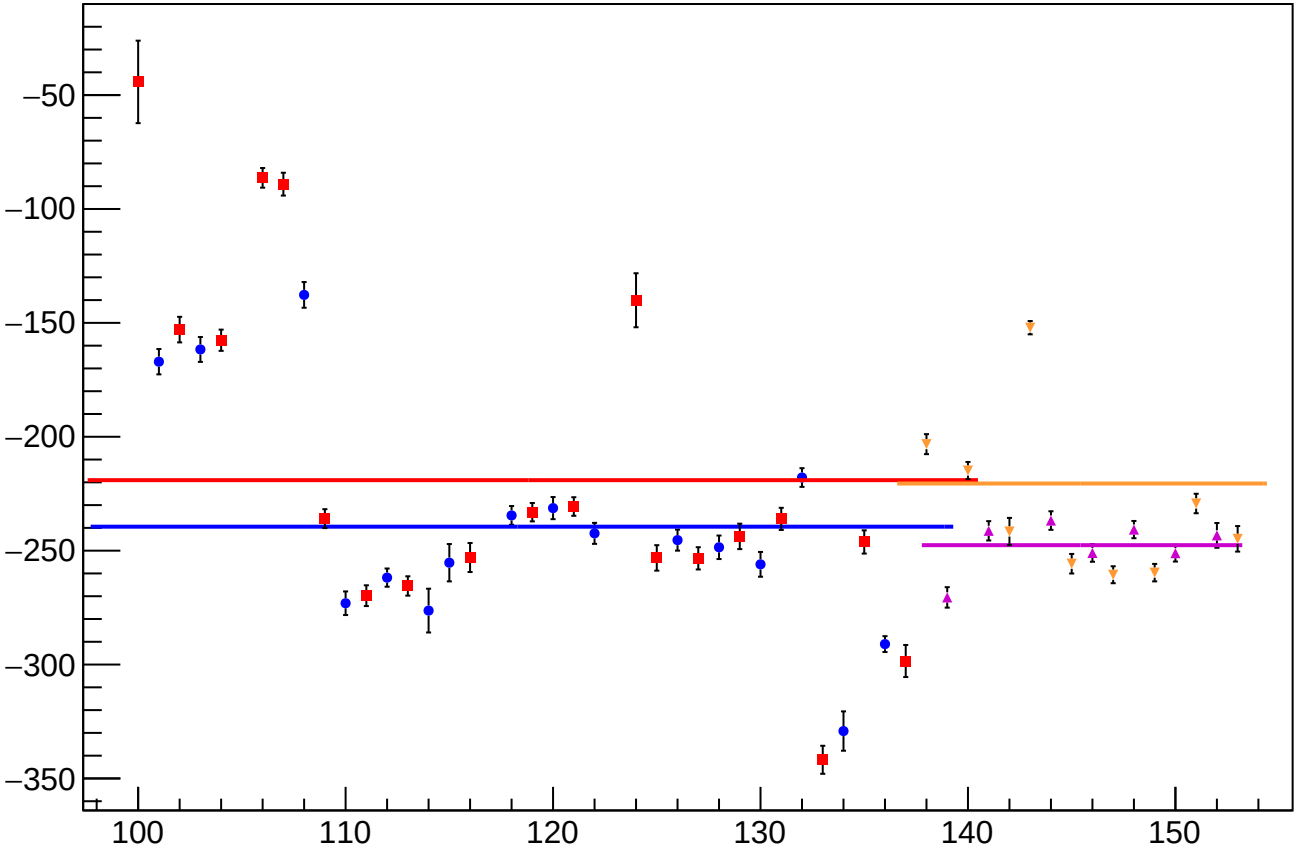
Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: -0.814+/-0.760 χ^2/NDF:408.0/22

Out: -2.313+/-0.685 χ^2/NDF:442.3/27

All: -1.641+/-0.509 χ^2/NDF: 852.4/50

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: -220.526+/-1.350 χ^2/NDF:888.6/8

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -247.587+/-1.563 χ^2/NDF:40.9/6

Left: -232.086+/-1.022 χ^2/NDF: 1101.0/15

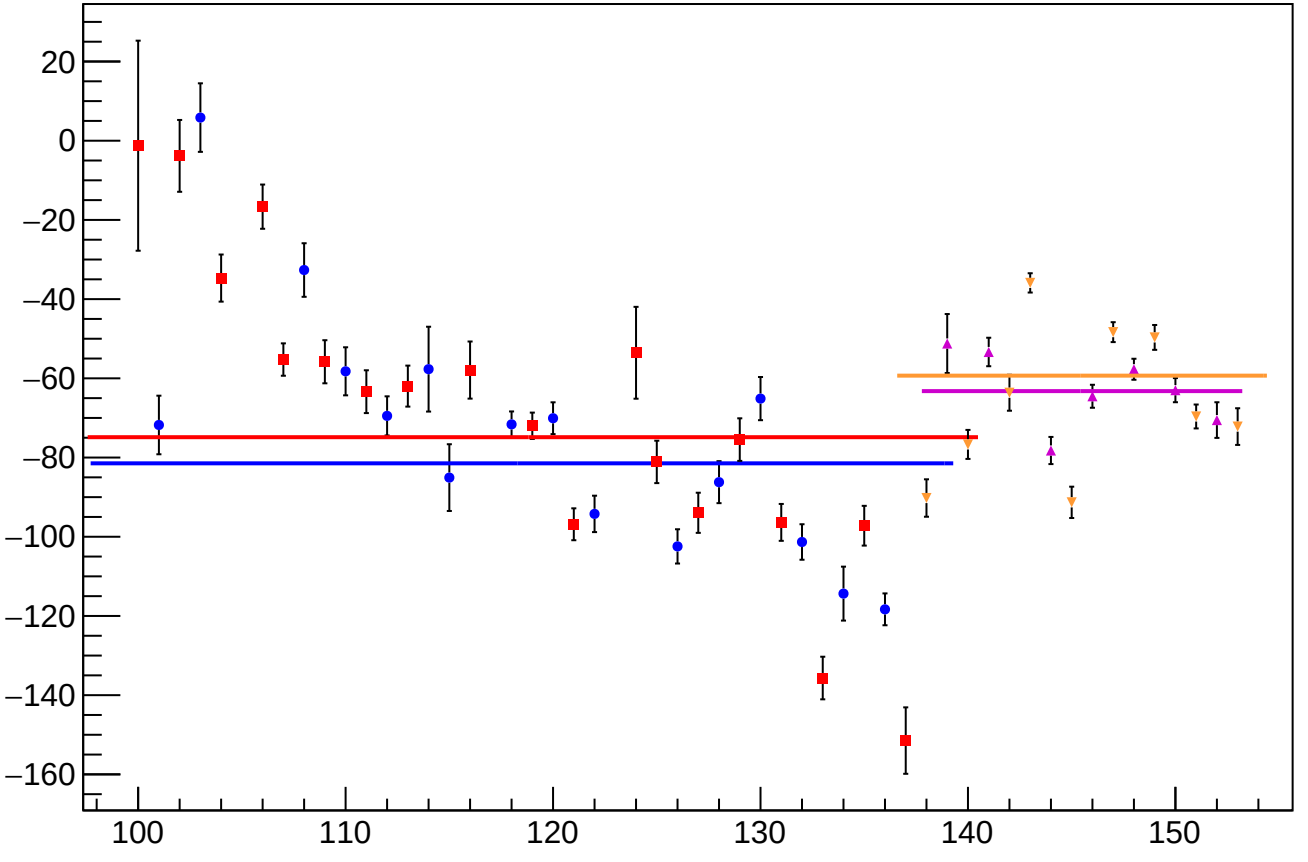
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -242.620+/-0.974 χ^2/NDF:1219.6/22

Out: -219.689+/-0.887 χ^2/NDF:3938.5/27

All: -230.082+/-0.656 χ^2/NDF: 5461.1/50

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -59.320+/-1.107 χ^2/NDF:271.9/8

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -63.225+/-1.293 χ^2/NDF:36.5/6

Left: -60.972+/-0.841 χ^2/NDF: 313.6/15

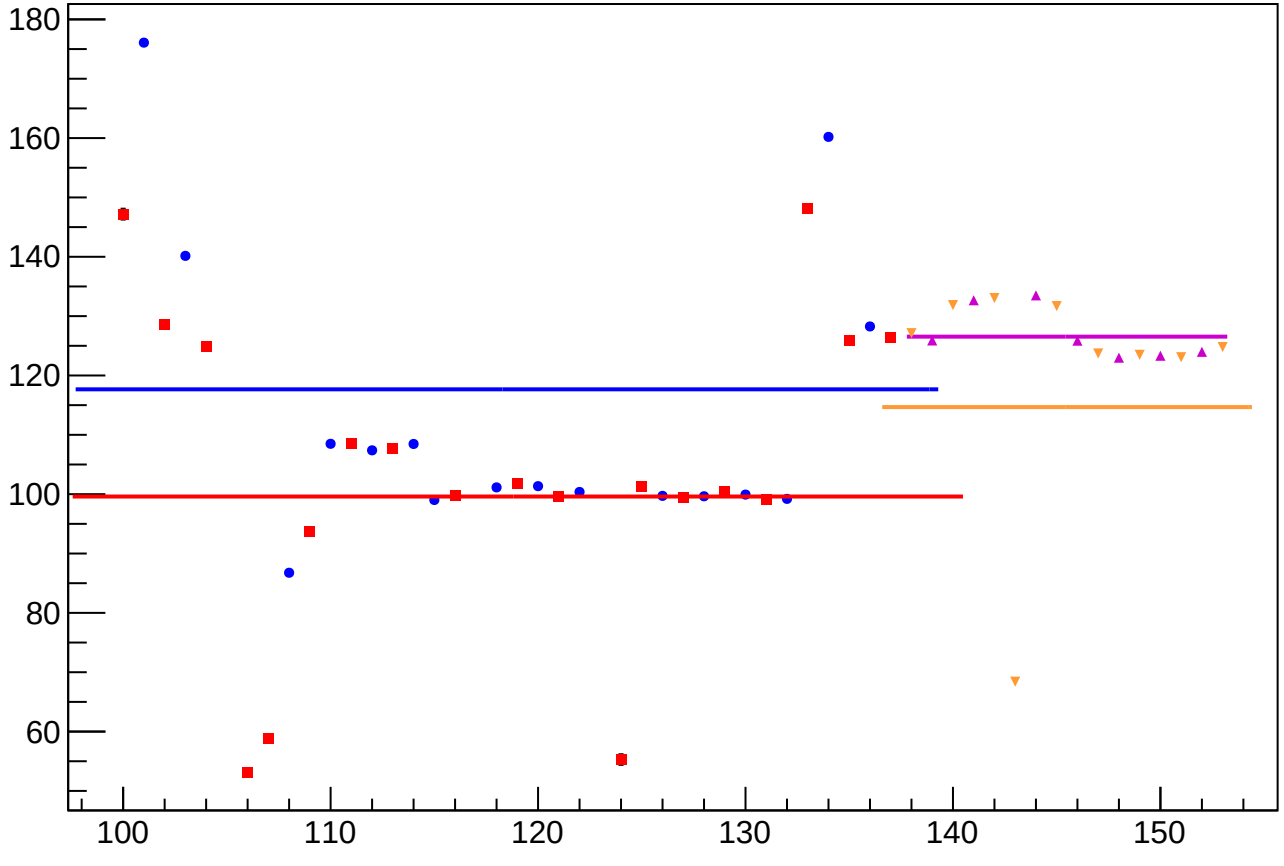
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -72.384+/-0.912 χ^2/NDF:502.9/22

Out: -66.273+/-0.823 χ^2/NDF:936.7/27

All: -69.015+/-0.611 χ^2/NDF: 1464.4/50

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: 114.676+/-0.056 χ^2/NDF:186926.2/8

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 126.543+/-0.063 χ^2/NDF:3900.9/6

Left: 119.877+/-0.042 χ^2/NDF: 210730.9/15

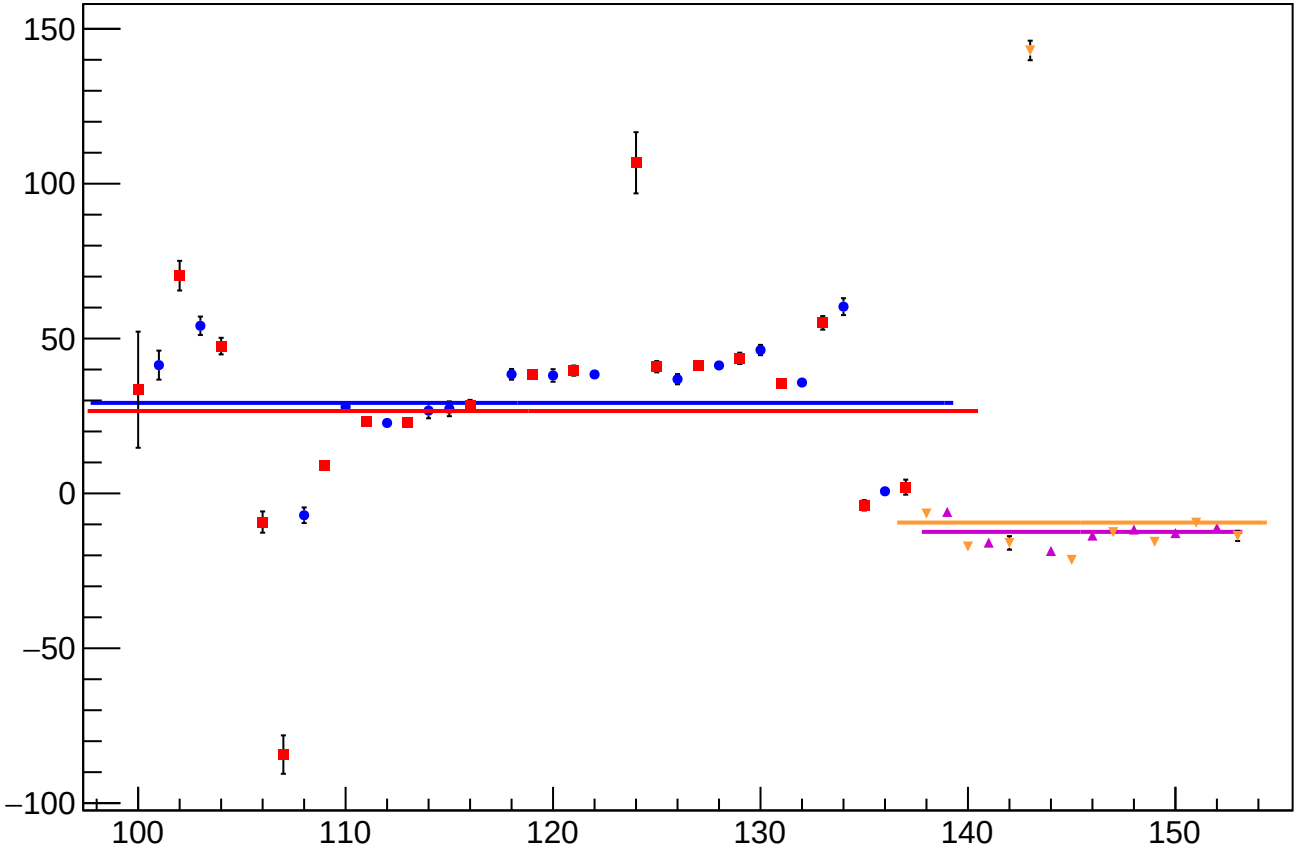
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.049+/-0.049 χ^2/NDF:107102.3/22

Out: 108.866+/-0.044 χ^2/NDF:381404.9/27

All: 115.128+/-0.033 χ^2/NDF: 535120.7/50

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: -9.410+/-0.514 χ^2/NDF:2474.7/8

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -12.418+/-0.528 χ^2/NDF:52.7/6

Left: -10.873+/-0.368 χ^2/NDF: 2544.0/15

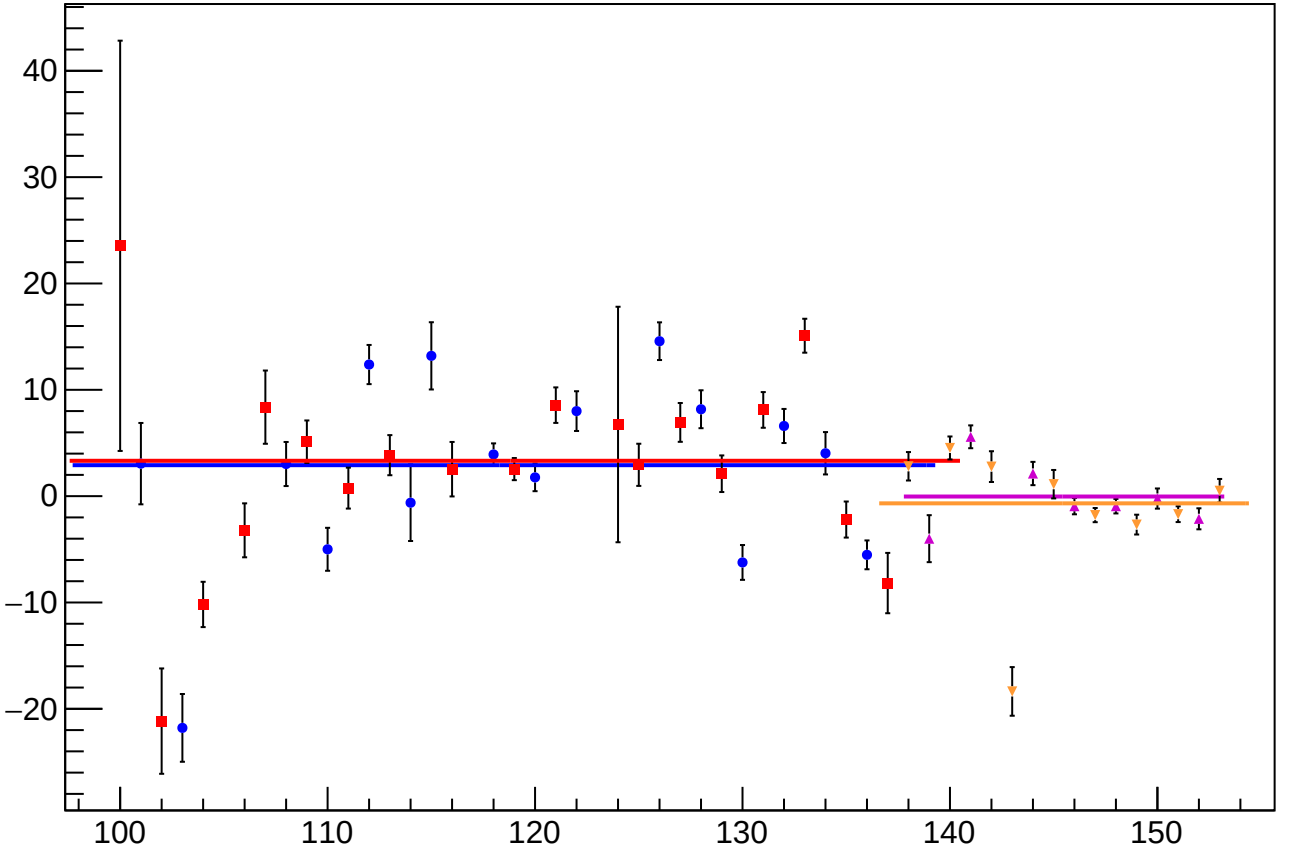
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 12.901+/-0.331 χ^2/NDF:5173.2/22

Out: 12.433+/-0.322 χ^2/NDF:7373.2/27

All: 12.661+/-0.231 χ^2/NDF: 12547.5/50

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: -0.677+/-0.339 χ^2/NDF:107.8/8

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: -0.035+/-0.356 χ^2/NDF:42.2/6

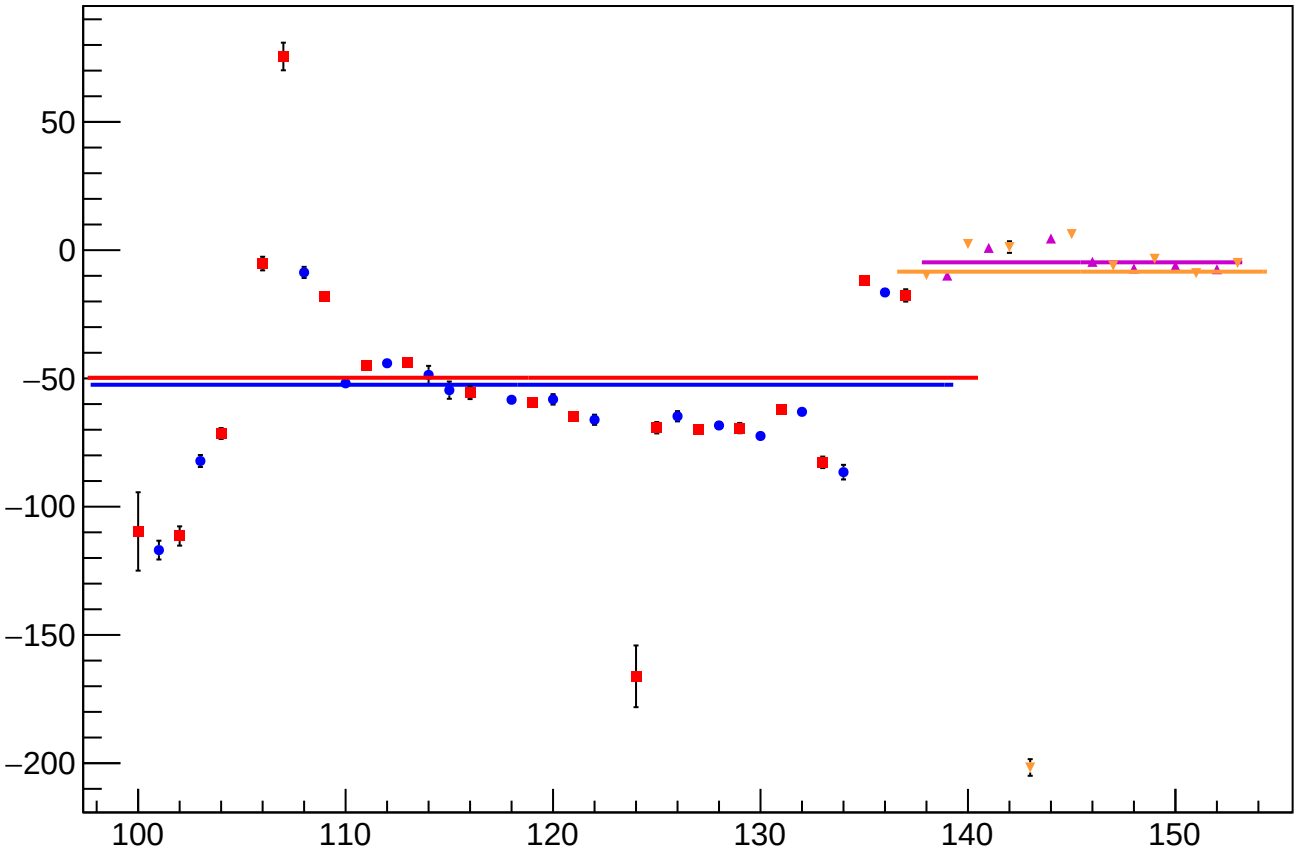
Left: -0.371+/-0.246 χ^2/NDF: 151.6/15

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 1.123+/-0.277 χ^2/NDF:319.1/22

Out: 0.760+/-0.272 χ^2/NDF:339.5/27

All: 0.938+/-0.194 χ^2/NDF: 659.4/50



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -8.379+/-0.505 χ^2/NDF:3742.2/8

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -4.741+/-0.519 χ^2/NDF:75.6/6

Left: -6.609+/-0.362 χ^2/NDF: 3843.1/15

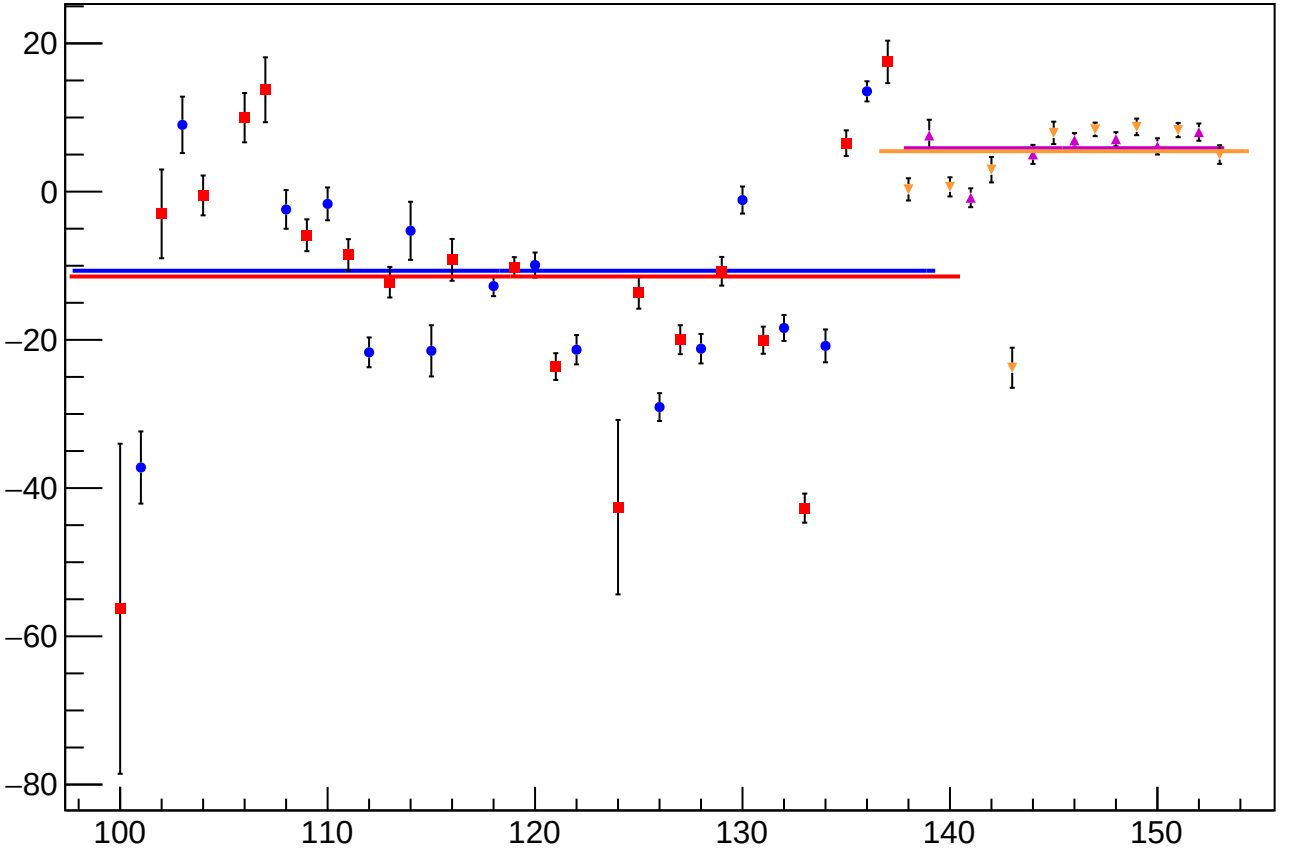
Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -30.073+/-0.355 χ^2/NDF:6897.8/22

Out: -29.514+/-0.353 χ^2/NDF:10177.9/27

All: -29.792+/-0.251 χ^2/NDF: 17076.9/50

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 5.459+/-0.420 χ^2/NDF:175.0/8

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 5.863+/-0.439 χ^2/NDF:35.0/6

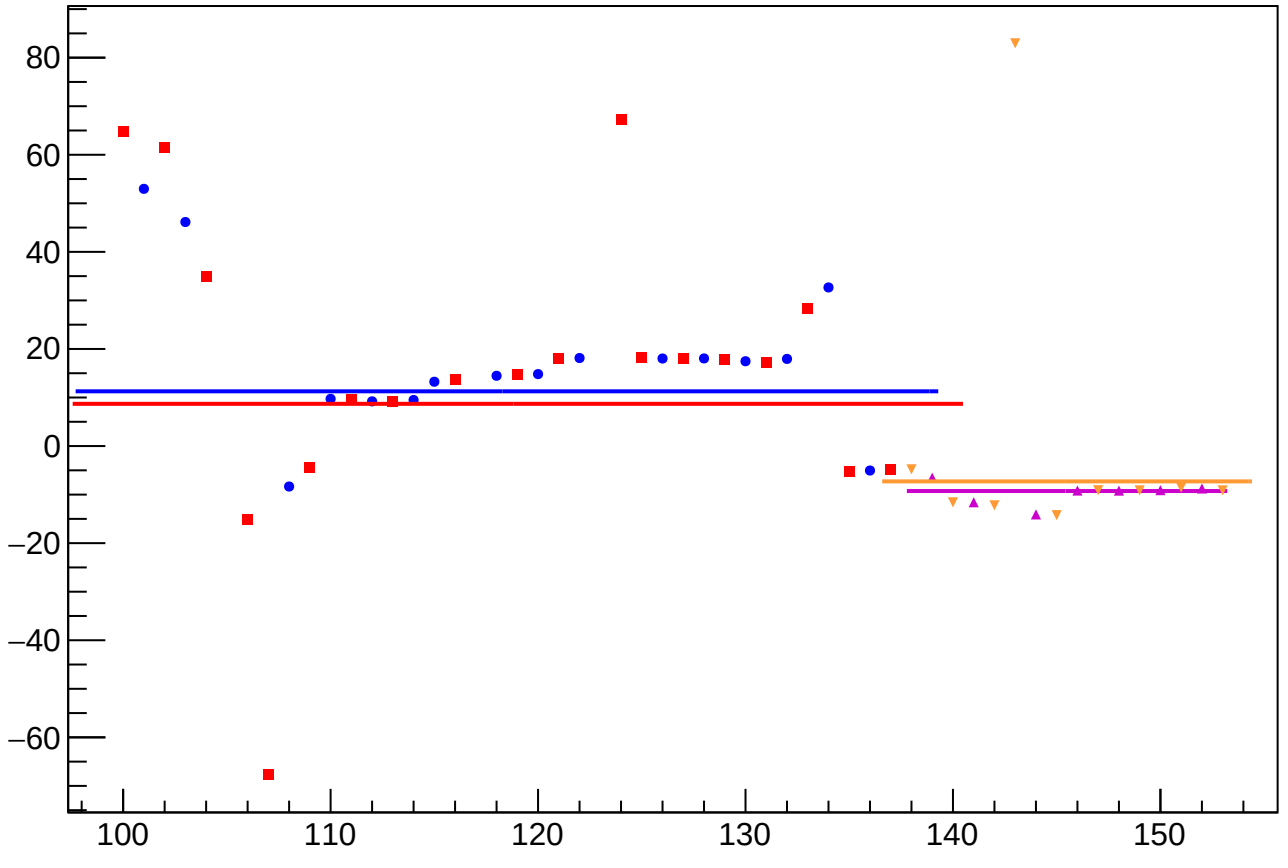
Left: 5.652+/-0.304 χ^2/NDF: 210.4/15

Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: -1.251+/-0.332 χ^2/NDF:1311.4/22

Out: -1.279+/-0.326 χ^2/NDF:1486.5/27

All: -1.266+/-0.232 χ^2/NDF: 2797.9/50



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -7.277+/-0.020 χ^2/NDF:472952.2/8

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -9.264+/-0.021 χ^2/NDF:10200.9/6

Left: -8.261+/-0.014 χ^2/NDF: 487882.1/15

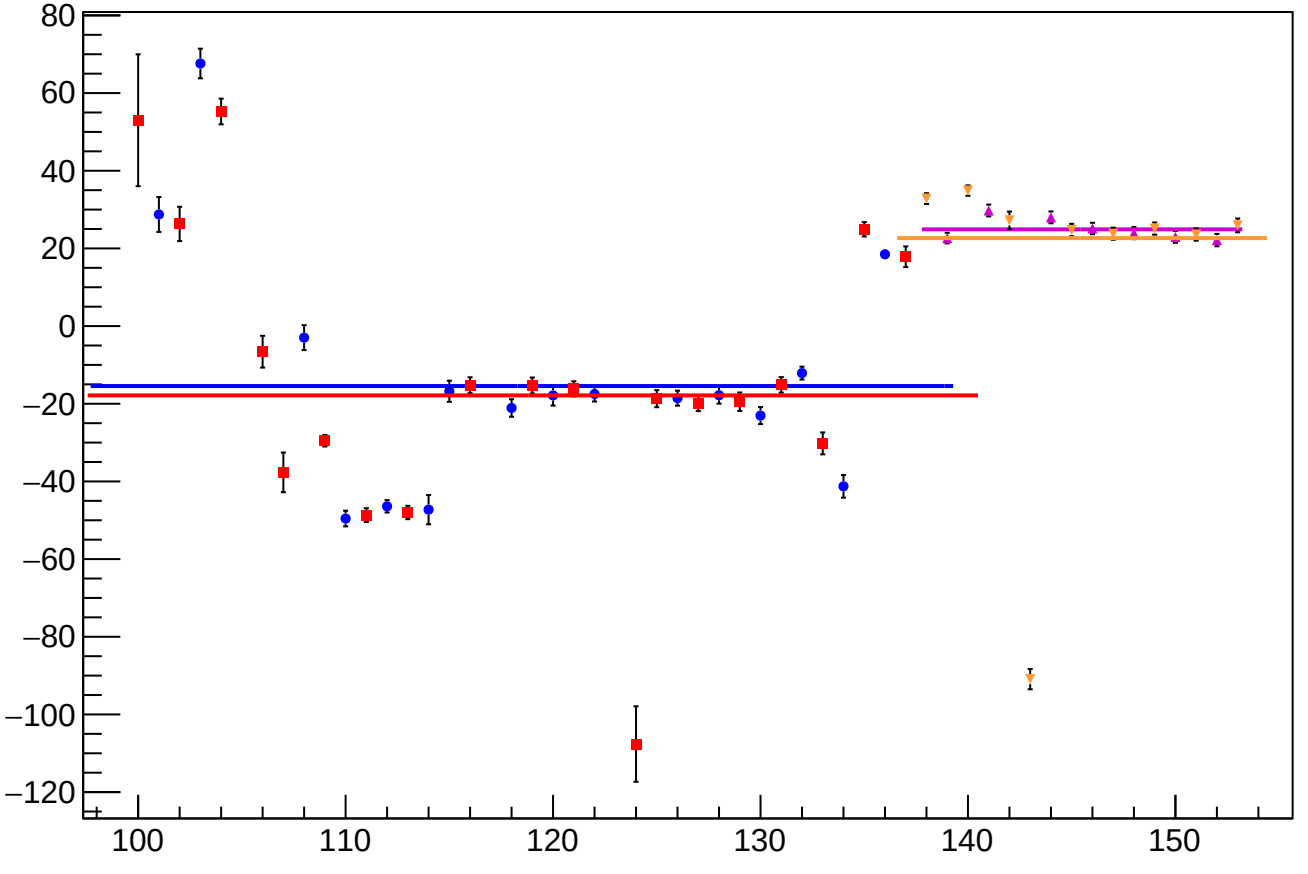
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -2.686+/-0.017 χ^2/NDF:679892.3/22

Out: -2.559+/-0.017 χ^2/NDF:1091248.6/27

All: -2.623+/-0.012 χ^2/NDF: 1771168.7/50

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 22.659+/-0.548 χ^2/NDF:2039.4/8

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 24.910+/-0.568 χ^2/NDF:22.1/6

Left: 23.743+/-0.394 χ^2/NDF: 2069.6/15

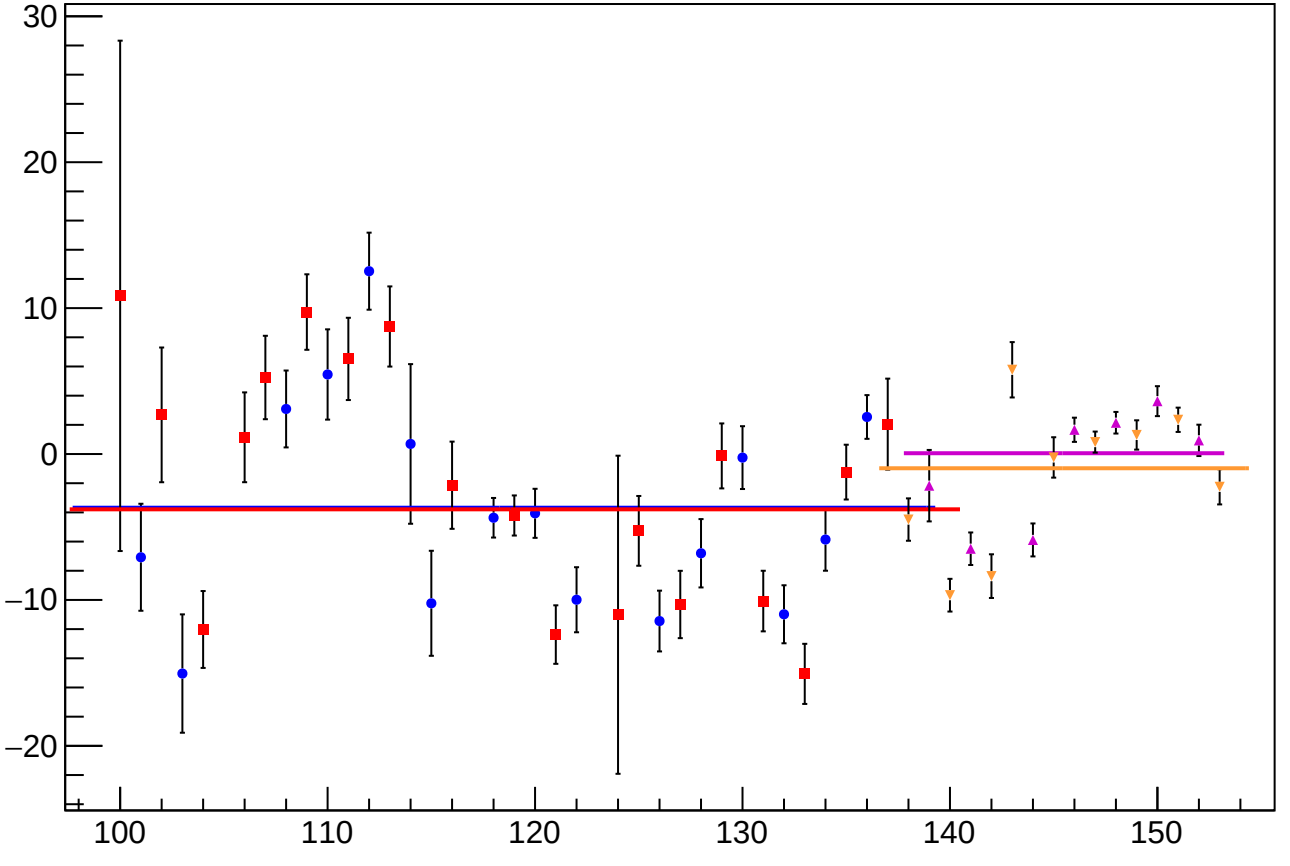
Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: 3.672+/-0.391 χ^2/NDF:4799.9/22

Out: 1.727+/-0.381 χ^2/NDF:6991.3/27

All: 2.673+/-0.273 χ^2/NDF: 11803.9/50

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -0.975+/-0.364 χ^2/NDF:131.8/8

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: 0.055+/-0.382 χ^2/NDF:87.5/6

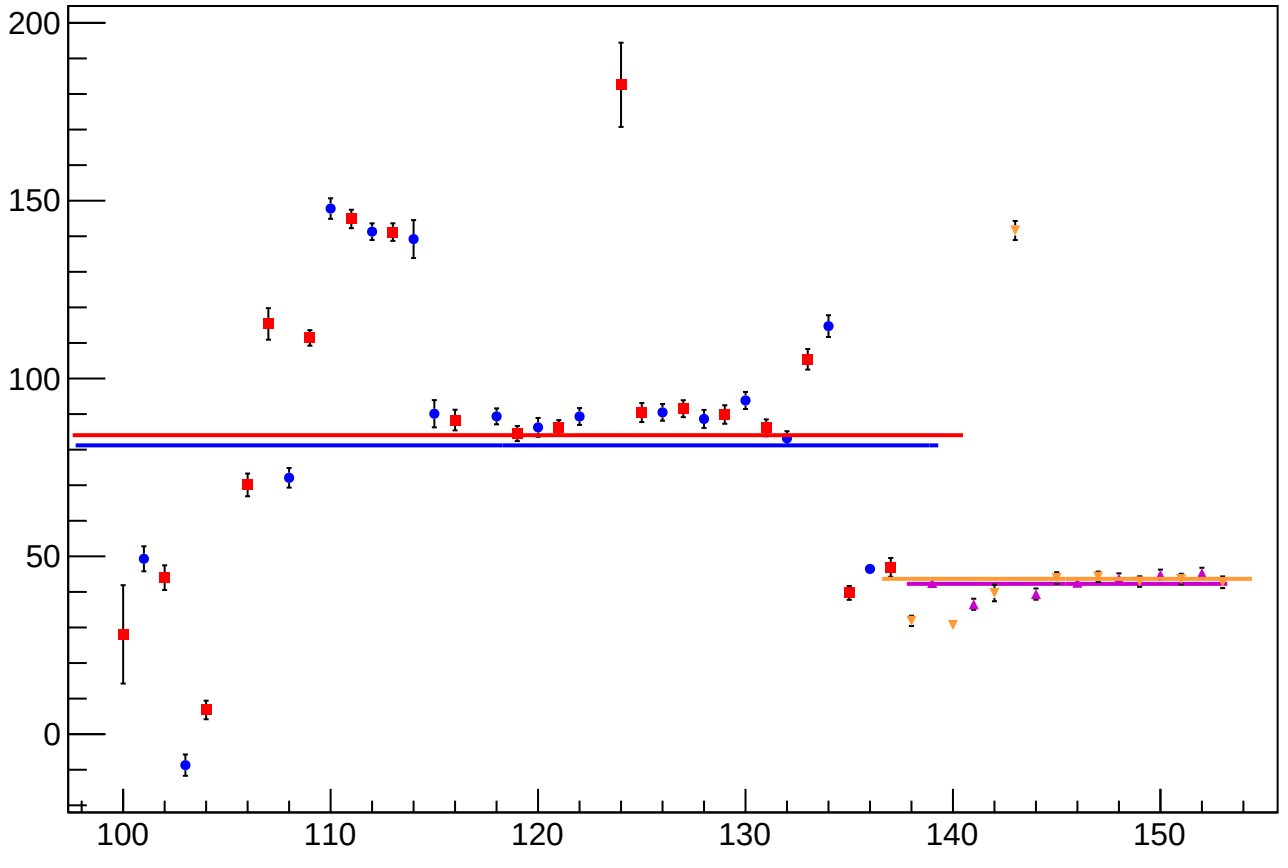
Left: -0.485+/-0.263 χ^2/NDF: 223.1/15

Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -1.155+/-0.314 χ^2/NDF:242.4/22

Out: -1.803+/-0.306 χ^2/NDF:310.6/27

All: -1.488+/-0.219 χ^2/NDF: 555.2/50



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 43.676+/-0.539 χ^2/NDF:1487.7/8

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 42.264+/-0.558 χ^2/NDF:25.1/6

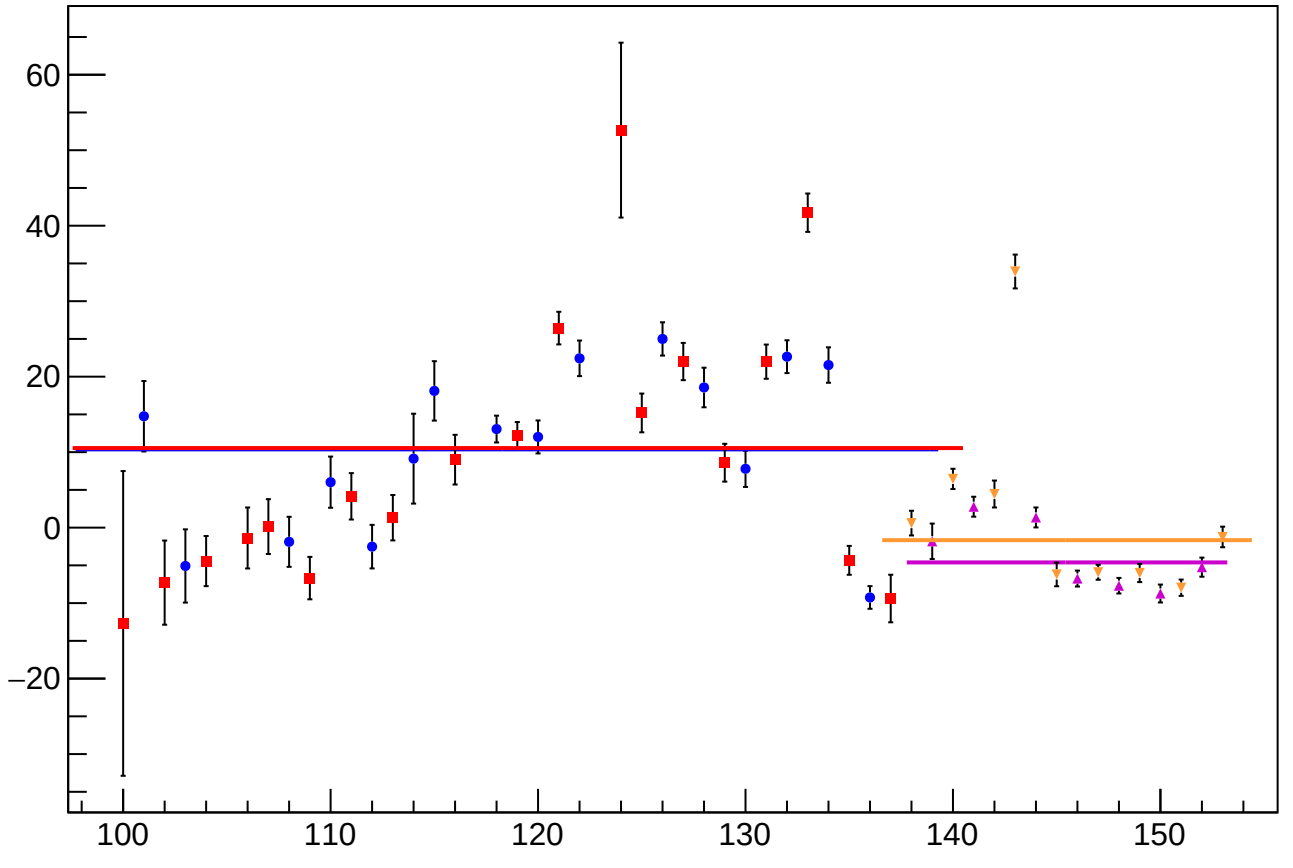
Left: 42.994+/-0.388 χ^2/NDF: 1516.1/15

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 60.109+/-0.411 χ^2/NDF:5484.5/22

Out: 61.190+/-0.406 χ^2/NDF:7126.9/27

All: 60.656+/-0.289 χ^2/NDF: 12614.9/50



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: -1.660+/-0.449 χ^2/NDF:376.4/8

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -4.610+/-0.471 χ^2/NDF:78.3/6

Left: -3.064+/-0.325 χ^2/NDF: 475.2/15

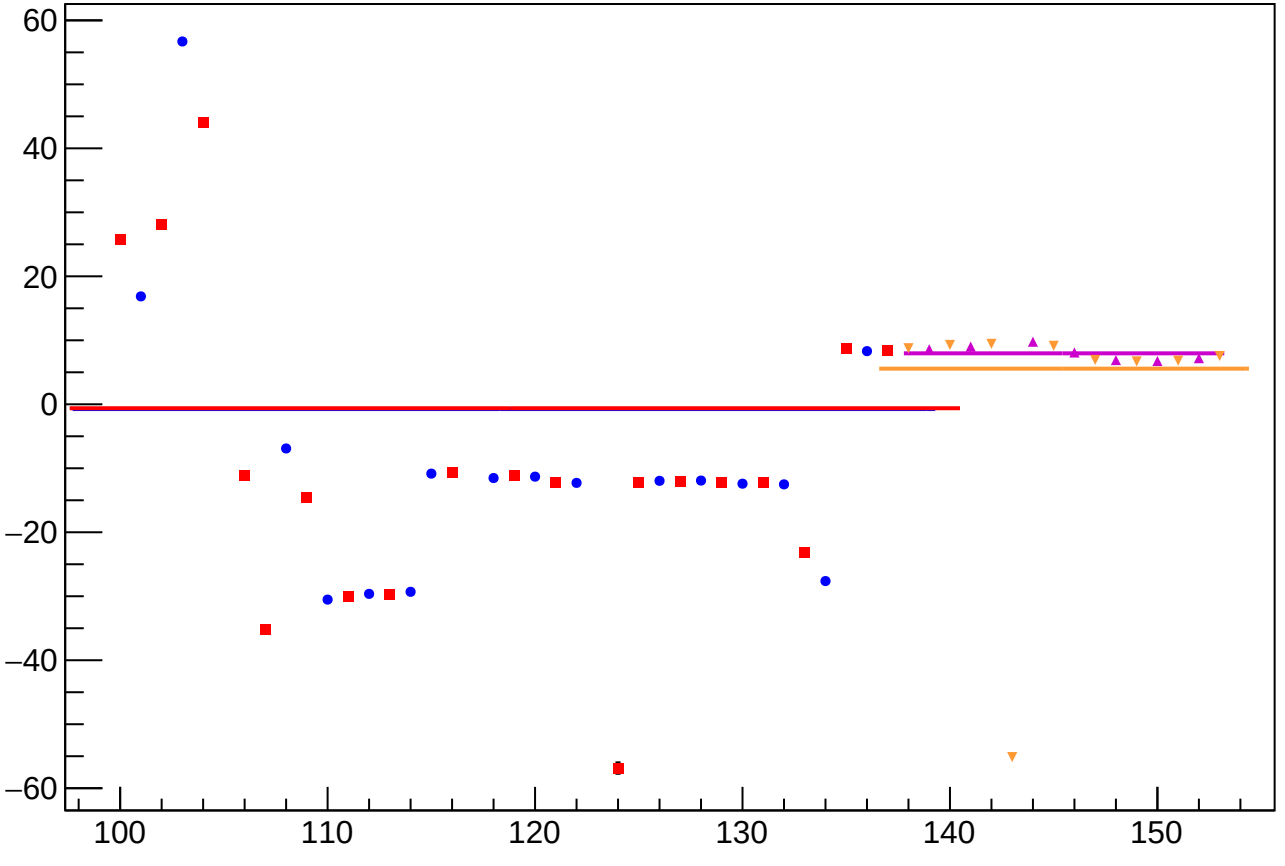
Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 0.804+/-0.377 χ^2/NDF:802.9/22

Out: 2.366+/-0.368 χ^2/NDF:1090.4/27

All: 1.604+/-0.263 χ^2/NDF: 1902.1/50

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: 5.569+/-0.022 χ^2/NDF:309054.8/8

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 7.964+/-0.022 χ^2/NDF:2050.9/6

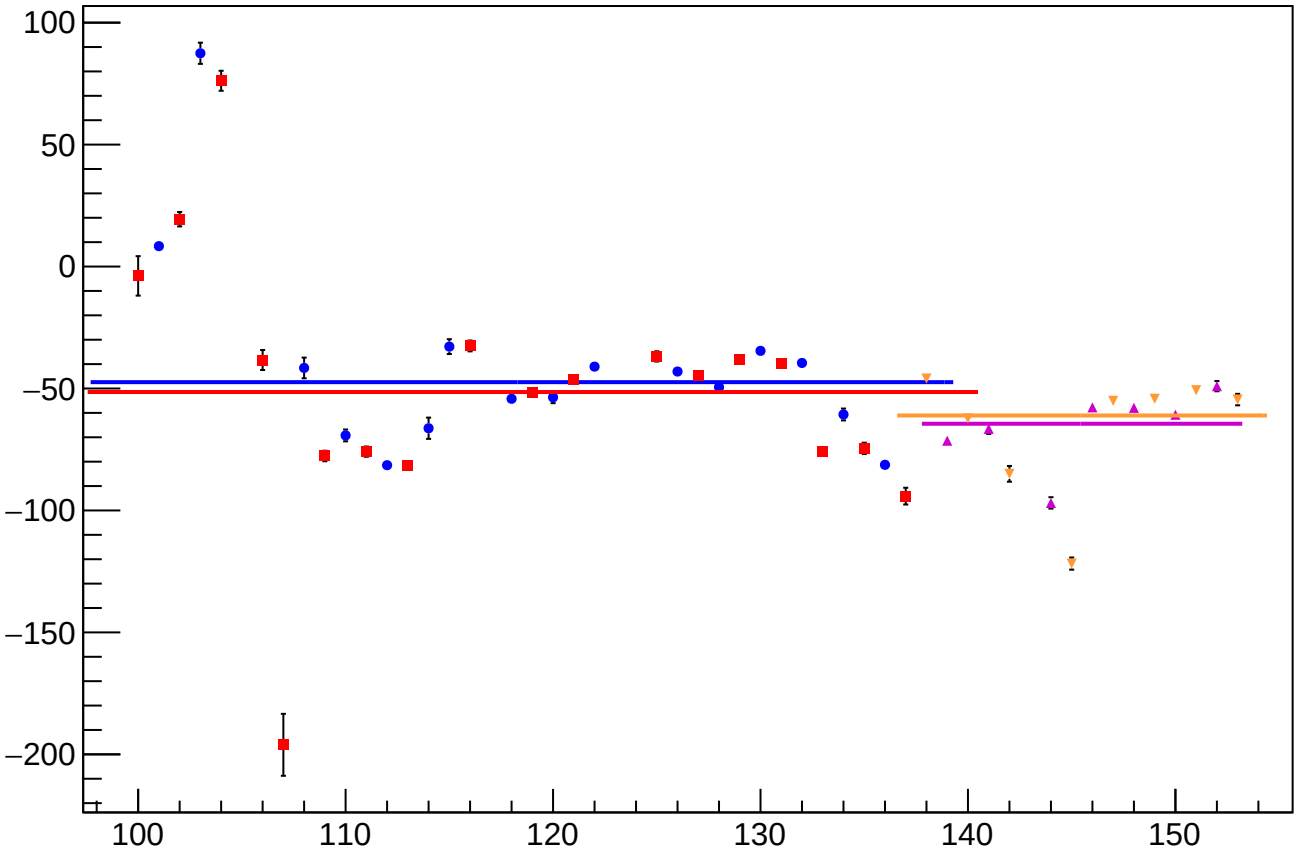
Left: 6.745+/-0.016 χ^2/NDF: 317046.0/15

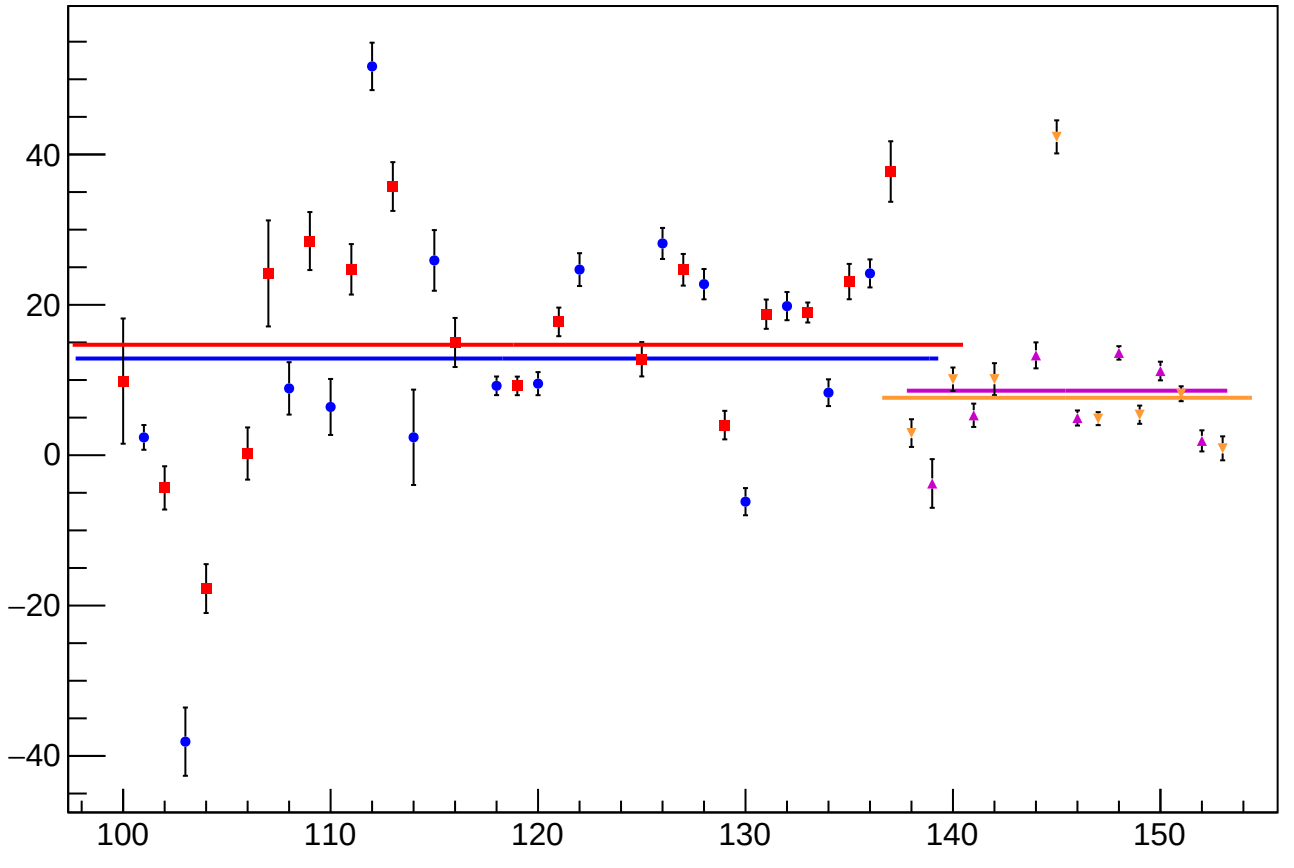
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 5.558+/-0.019 χ^2/NDF:412688.1/22

Out: 3.999+/-0.019 χ^2/NDF:646044.3/27

All: 4.776+/-0.013 χ^2/NDF: 1062161.7/50


reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug, Sign Corrected
100
50
0
−50
−100
−150
−200
100
110
120
130
140
150
Right In: -47.398+/-0.535 χ²/NDF: 2769.0/15
Left Out: -61.061+/-0.731 χ²/NDF:781.4/7
Right Out: -51.442+/-0.545 χ²/NDF: 2872.7/17
Left In: -64.451+/-0.741 χ²/NDF:291.9/6
Left: -62.733+/-0.520 χ²/NDF: 1083.9/14
Right: -49.383+/-0.382 χ²/NDF: 5669.8/33
In: -53.243+/-0.434 χ²/NDF:3409.1/22
Out: -54.881+/-0.437 χ²/NDF:3765.4/25
All: -54.056+/-0.308 χ²/NDF: 7181.5/48



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 7.640+/-0.469 χ^2/NDF:291.1/7

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

Left In: 8.580+/-0.486 χ^2/NDF:98.0/6

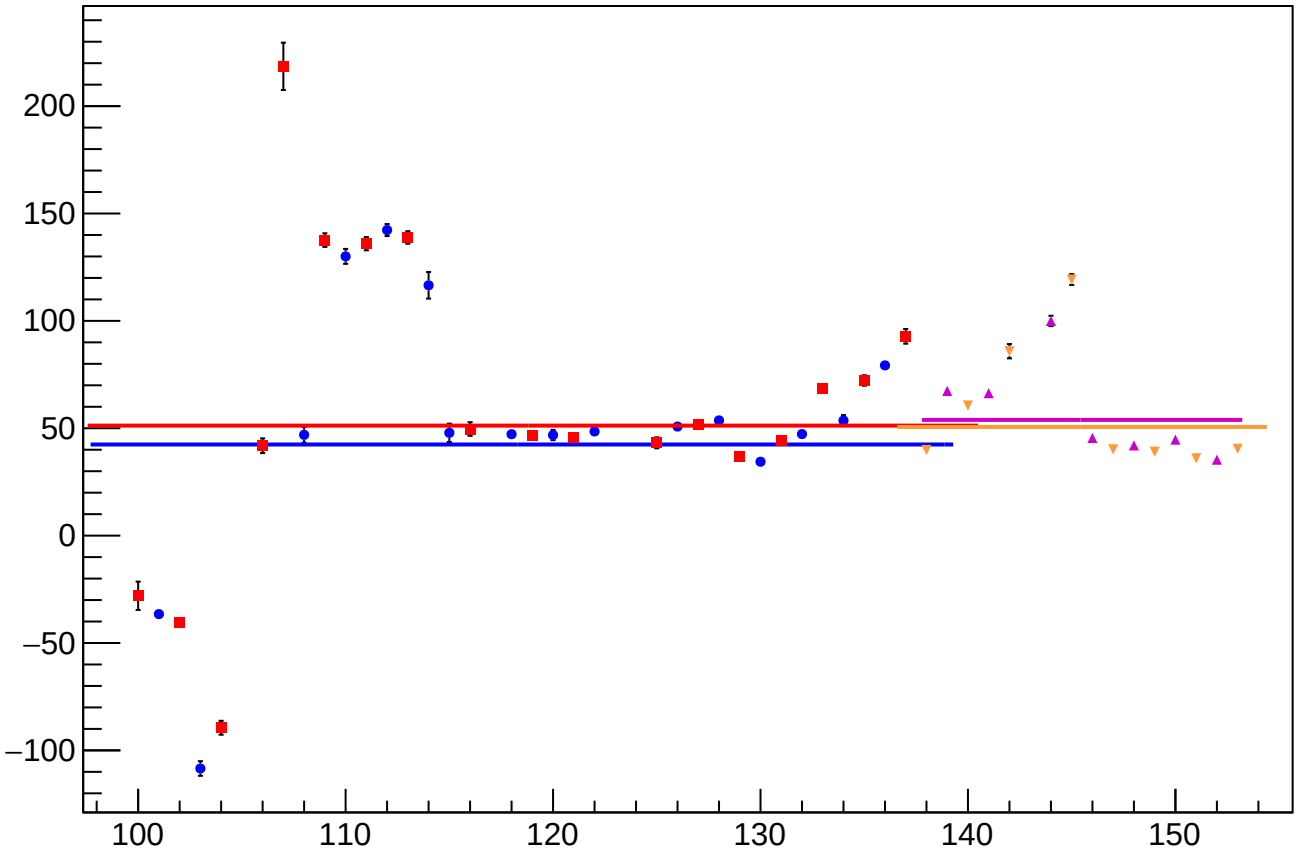
Left: 8.093+/-0.337 χ^2/NDF: 391.0/14

Right: 13.731+/-0.375 χ^2/NDF: 995.5/33

In: 10.579+/-0.355 χ^2/NDF:759.7/22

Out: 10.641+/-0.355 χ^2/NDF:751.6/25

All: 10.610+/-0.251 χ^2/NDF: 1511.3/48



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 50.600+/-0.714 χ^2/NDF:1079.6/7

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

Left In: 53.891+/-0.724 χ^2/NDF:632.8/6

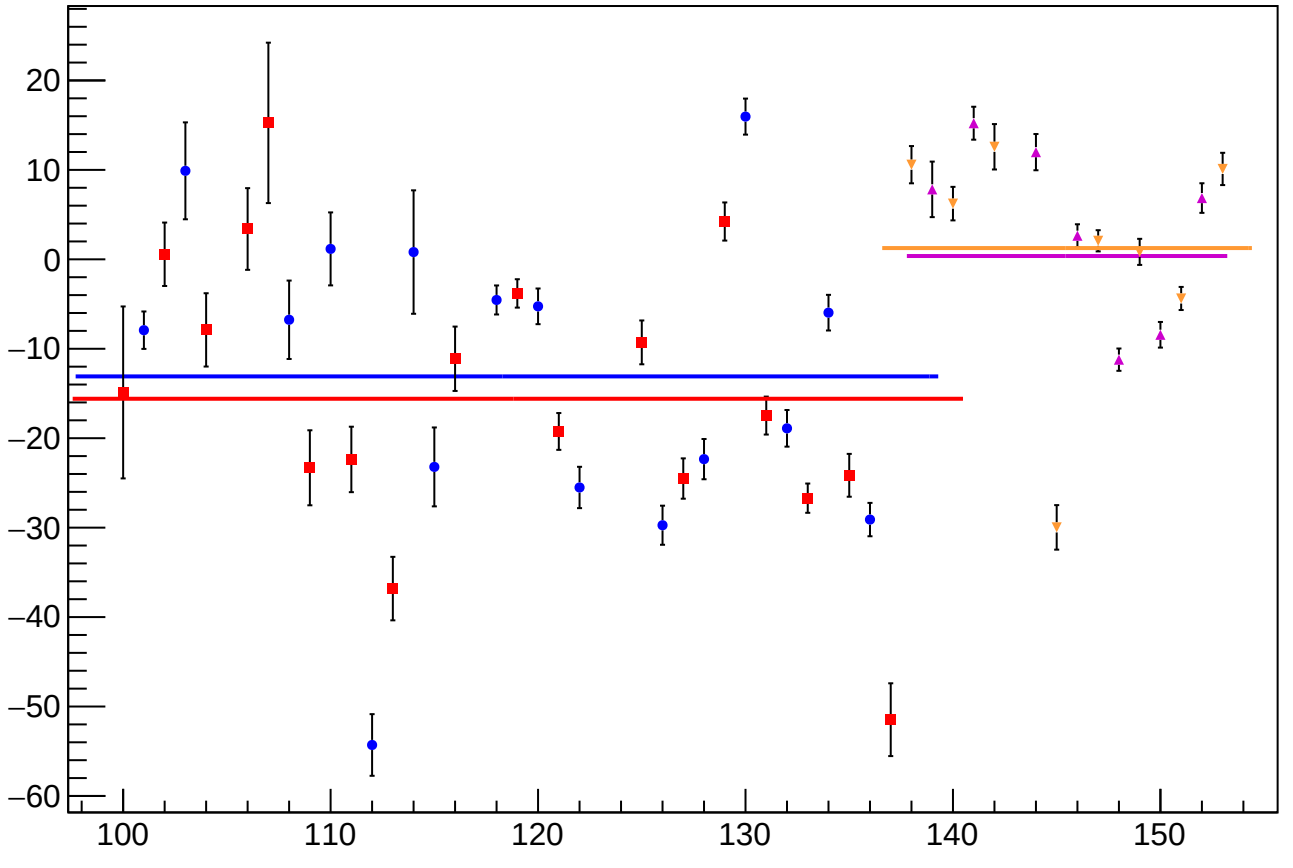
Left: 52.222+/-0.508 χ^2/NDF: 1722.9/14

Right: 46.608+/-0.424 χ^2/NDF: 13887.6/33

In: 46.955+/-0.455 χ^2/NDF:7953.3/22

Out: 50.959+/-0.466 χ^2/NDF:7691.3/25

All: 48.909+/-0.325 χ^2/NDF: 15682.5/48



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 1.259+/-0.585 χ^2/NDF:248.0/7

Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 0.370+/-0.603 χ^2/NDF:246.2/6

Left: 0.828+/-0.420 χ^2/NDF: 495.3/14

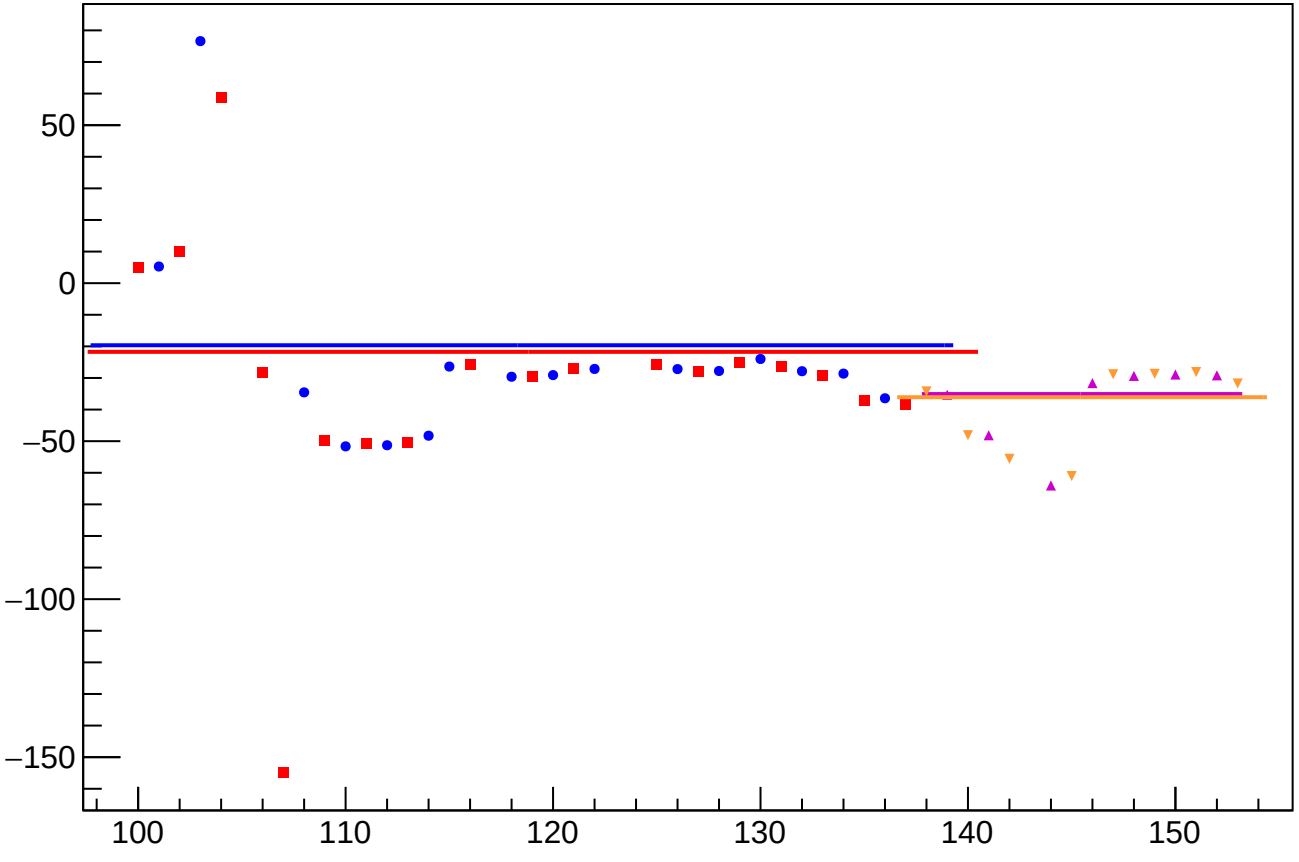
Right: -14.285+/-0.433 χ^2/NDF: 1050.0/33

In: -6.401+/-0.425 χ^2/NDF:1136.4/22

Out: -6.586+/-0.428 χ^2/NDF:1035.9/25

All: -6.493+/-0.302 χ^2/NDF: 2172.4/48

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -36.088+/-0.029 χ^2/NDF:138243.8/7

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

Left In: -35.089+/-0.029 χ^2/NDF:116268.1/6

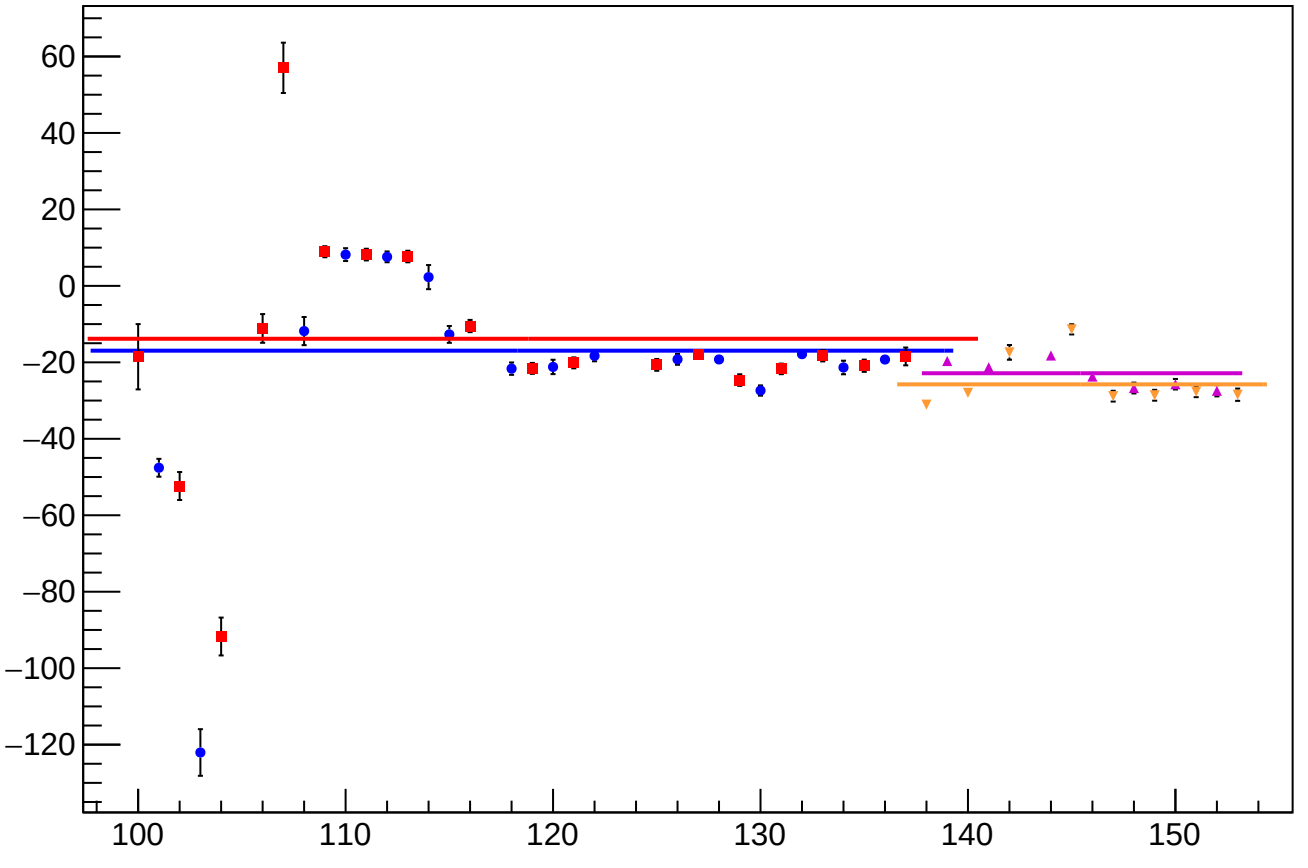
Left: -35.585+/-0.020 χ^2/NDF: 255112.6/14

Right: -20.610+/-0.026 χ^2/NDF: 1195130.0/33

In: -29.108+/-0.022 χ^2/NDF:875287.5/22

Out: -30.978+/-0.023 χ^2/NDF:772703.6/25

All: -30.013+/-0.016 χ^2/NDF: 1651342.3/48



Right In: -16.949+/-0.404 χ^2/NDF: 1128.2/15

Left Out: -25.760+/-0.490 χ^2/NDF:171.7/7

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

Left In: -22.853+/-0.498 χ^2/NDF:44.2/6

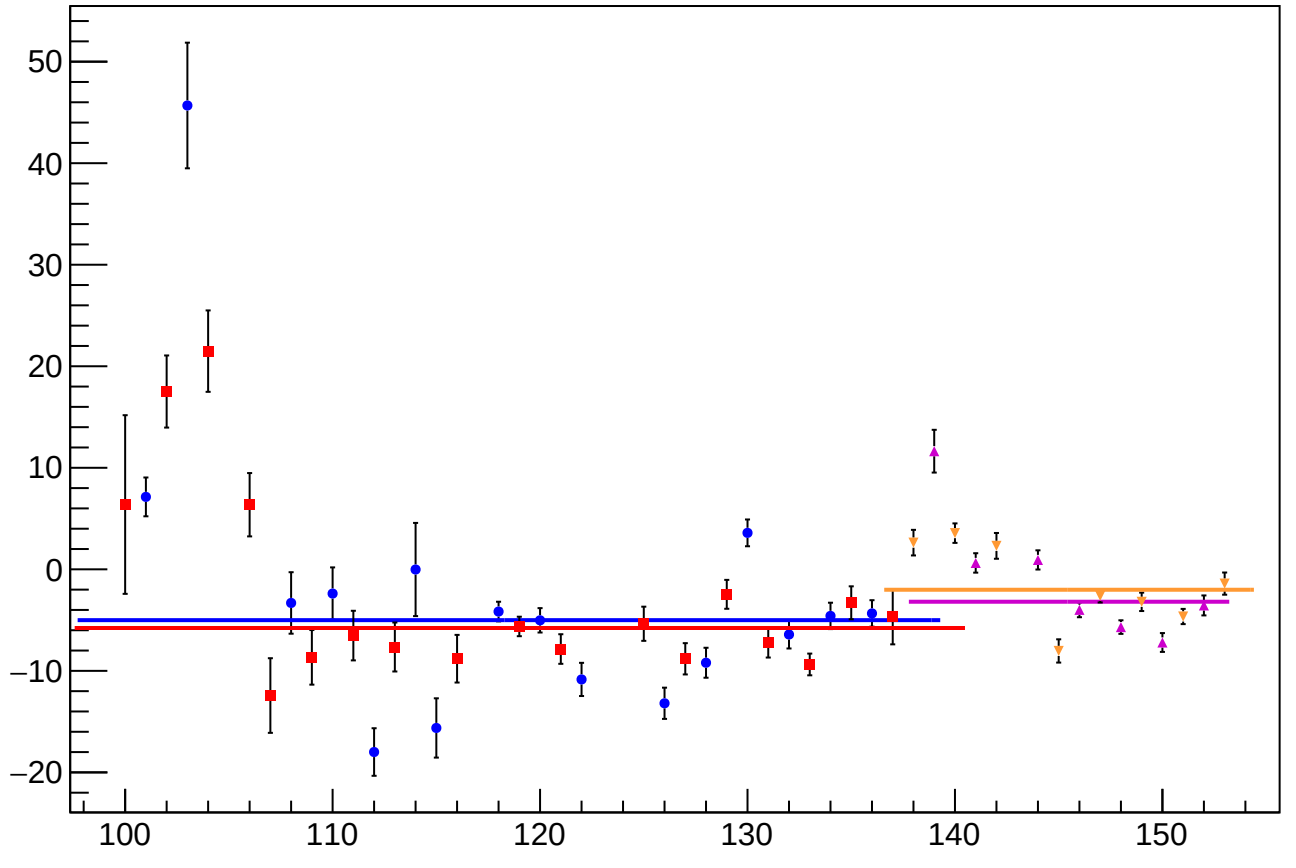
Left: -24.328+/-0.349 χ^2/NDF: 233.2/14

Right: -15.414+/-0.287 χ^2/NDF: 2490.7/33

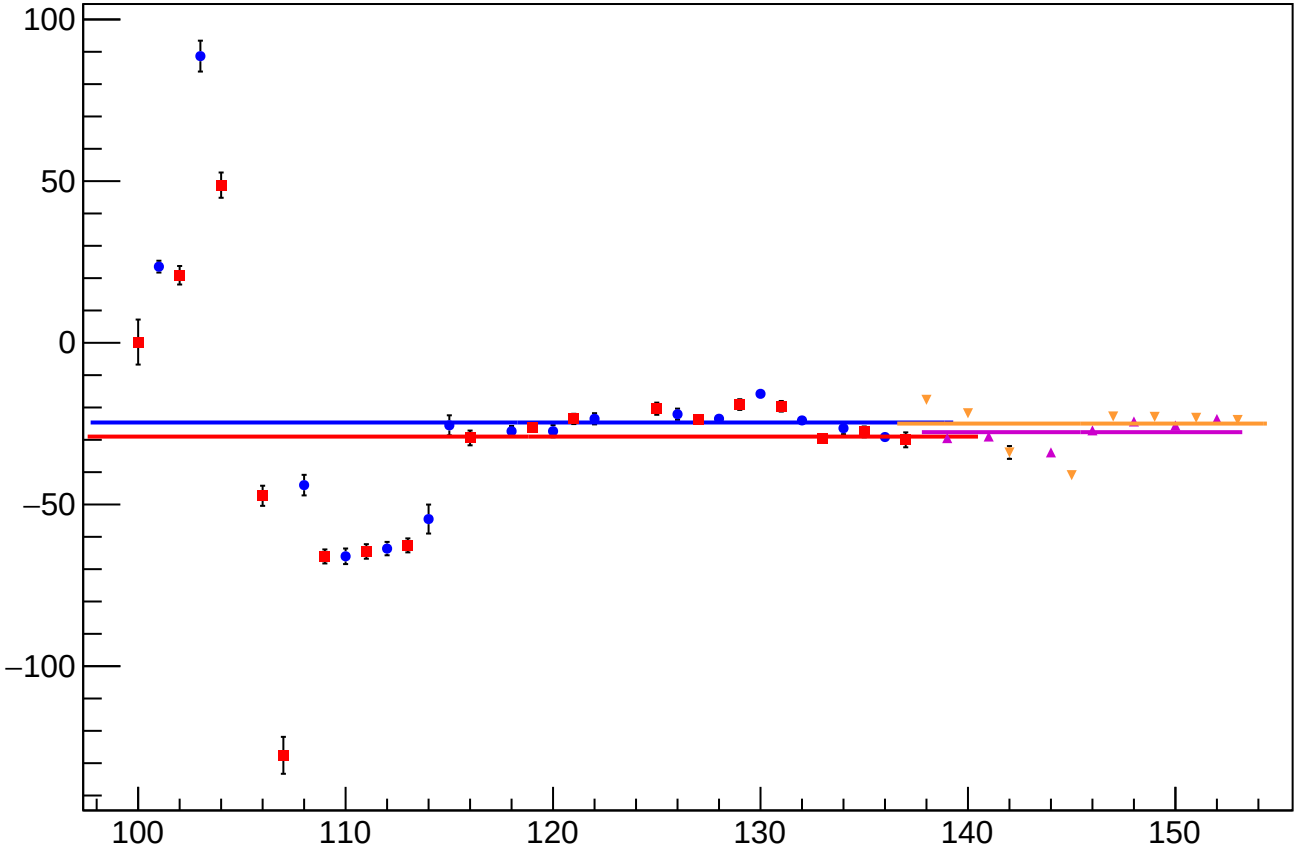
In: -19.293+/-0.314 χ^2/NDF:1257.3/22

Out: -18.730+/-0.314 χ^2/NDF:1853.3/25

All: -19.012+/-0.222 χ^2/NDF: 3112.2/48


reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
50
40
30
20
10
0
−10
−20
100
110
120
130
140
150
Right In: -5.006+/-0.401 χ²/NDF: 247.8/15
Left Out: -2.012+/-0.328 χ²/NDF:101.8/7
Right Out: -5.779+/-0.419 χ²/NDF: 139.3/17
Left In: -3.192+/-0.338 χ²/NDF:118.5/6
Left: -2.584+/-0.235 χ²/NDF: 226.6/14
Right: -5.375+/-0.290 χ²/NDF: 388.9/33
In: -3.945+/-0.259 χ²/NDF:378.2/22
Out: -3.441+/-0.258 χ²/NDF:291.2/25
All: -3.693+/-0.183 χ²/NDF: 671.3/48

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: -24.976+/-0.483 χ^2/NDF:206.8/7

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

Left In: -27.632+/-0.490 χ^2/NDF:43.4/6

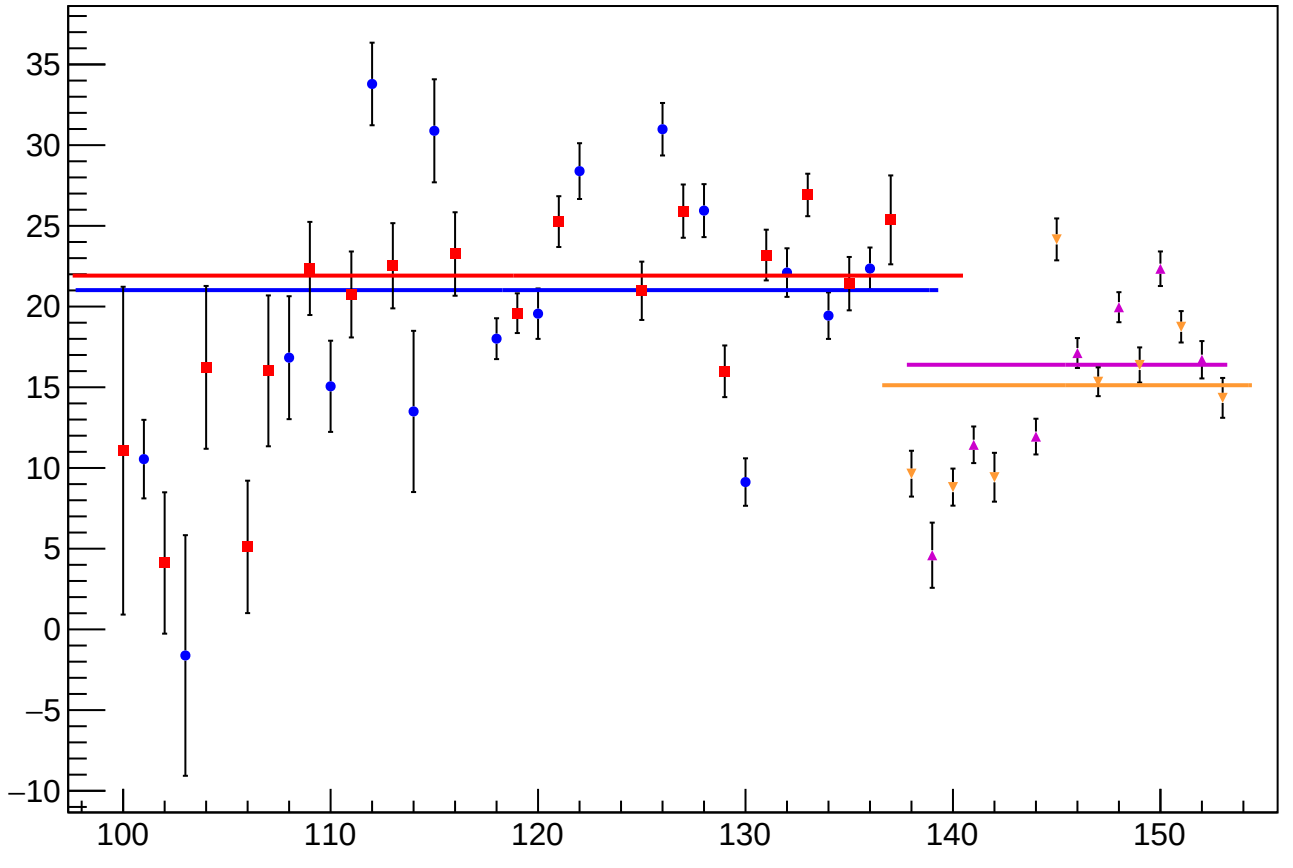
Left: -26.285+/-0.344 χ^2/NDF: 265.0/14

Right: -26.727+/-0.329 χ^2/NDF: 4048.0/33

In: -26.025+/-0.333 χ^2/NDF:2115.2/22

Out: -27.023+/-0.339 χ^2/NDF:2194.3/25

All: -26.516+/-0.238 χ^2/NDF: 4313.9/48



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 15.127+/-0.405 χ^2/NDF:123.4/7

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

Left In: 16.394+/-0.416 χ^2/NDF:115.6/6

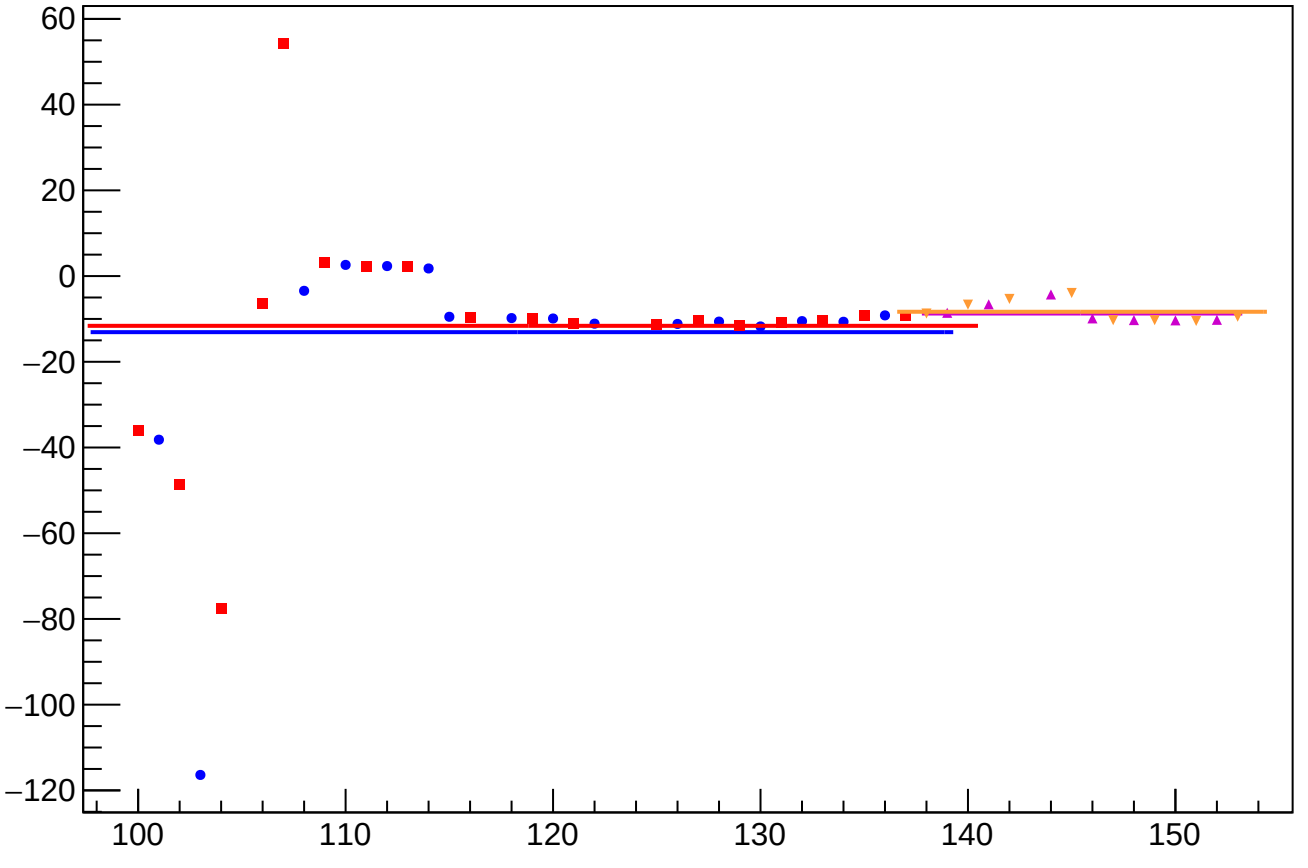
Left: 15.743+/-0.290 χ^2/NDF: 243.8/14

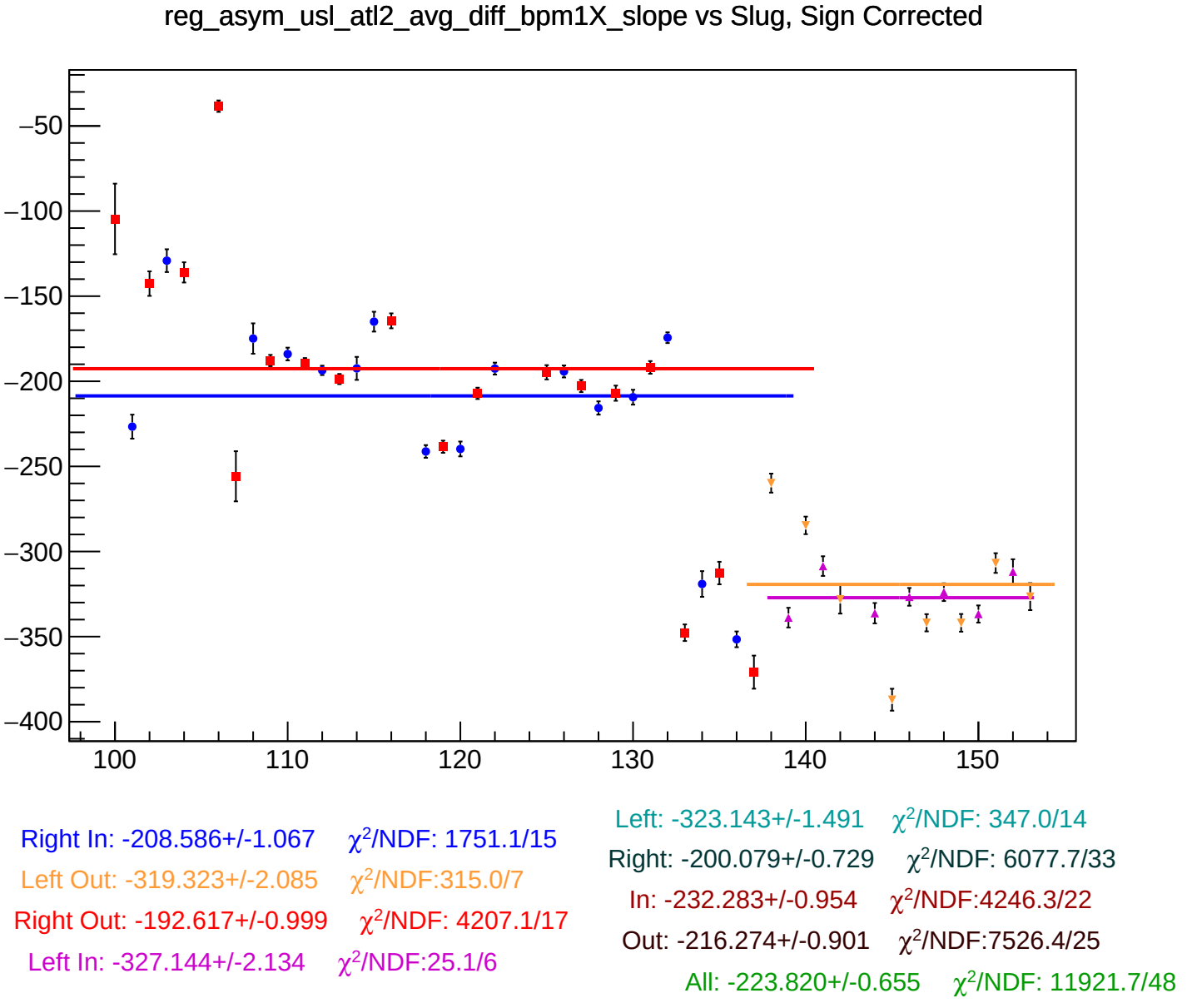
Right: 21.449+/-0.331 χ^2/NDF: 294.0/33

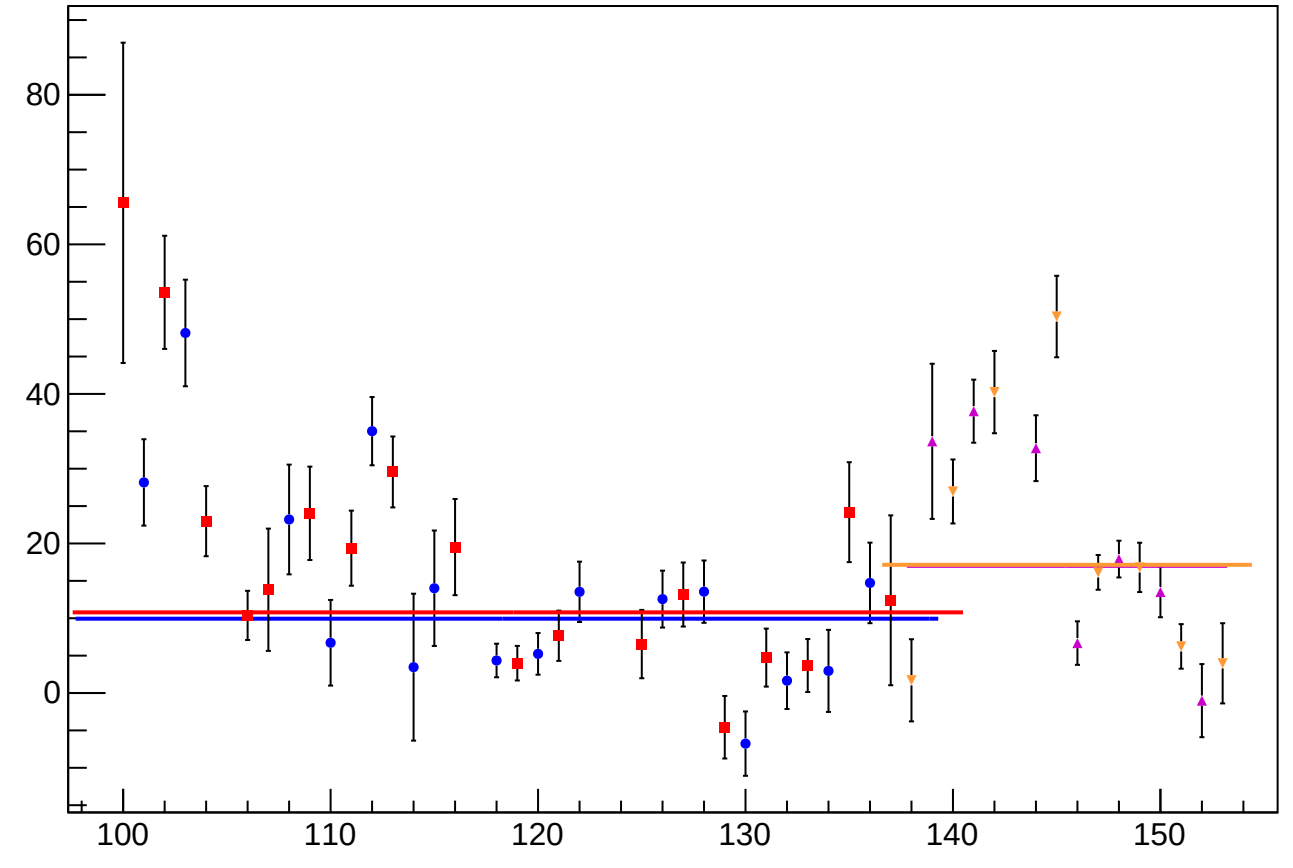
In: 18.484+/-0.308 χ^2/NDF:381.1/22

Out: 17.961+/-0.309 χ^2/NDF:323.3/25

All: 18.224+/-0.218 χ^2/NDF: 705.8/48


reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
Right In: -13.086+/-0.028 χ²/NDF: 344941.2/15
Left Out: -8.327+/-0.020 χ²/NDF:13632.4/7
Right Out: -11.610+/-0.031 χ²/NDF: 314183.9/17
Left In: -8.740+/-0.019 χ²/NDF:10352.2/6
Left: -8.534+/-0.014 χ²/NDF: 24208.4/14
Right: -12.409+/-0.021 χ²/NDF: 660362.1/33
In: -10.132+/-0.016 χ²/NDF:371200.8/22
Out: -9.264+/-0.017 χ²/NDF:335886.4/25
All: -9.709+/-0.012 χ²/NDF: 708505.9/48


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
Right In: -208.586+/-1.067 χ²/NDF: 1751.1/15
Left Out: -319.323+/-2.085 χ²/NDF:315.0/7
Right Out: -192.617+/-0.999 χ²/NDF: 4207.1/17
Left In: -327.144+/-2.134 χ²/NDF:25.1/6
Left: -323.143+/-1.491 χ²/NDF: 347.0/14
Right: -200.079+/-0.729 χ²/NDF: 6077.7/33
In: -232.283+/-0.954 χ²/NDF:4246.3/22
Out: -216.274+/-0.901 χ²/NDF:7526.4/25
All: -223.820+/-0.655 χ²/NDF: 11921.7/48



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 17.146+/-1.314 χ^2/NDF:87.5/7

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

Left In: 17.007+/-1.373 χ^2/NDF:66.8/6

Left: 17.079+/-0.950 χ^2/NDF: 154.4/14

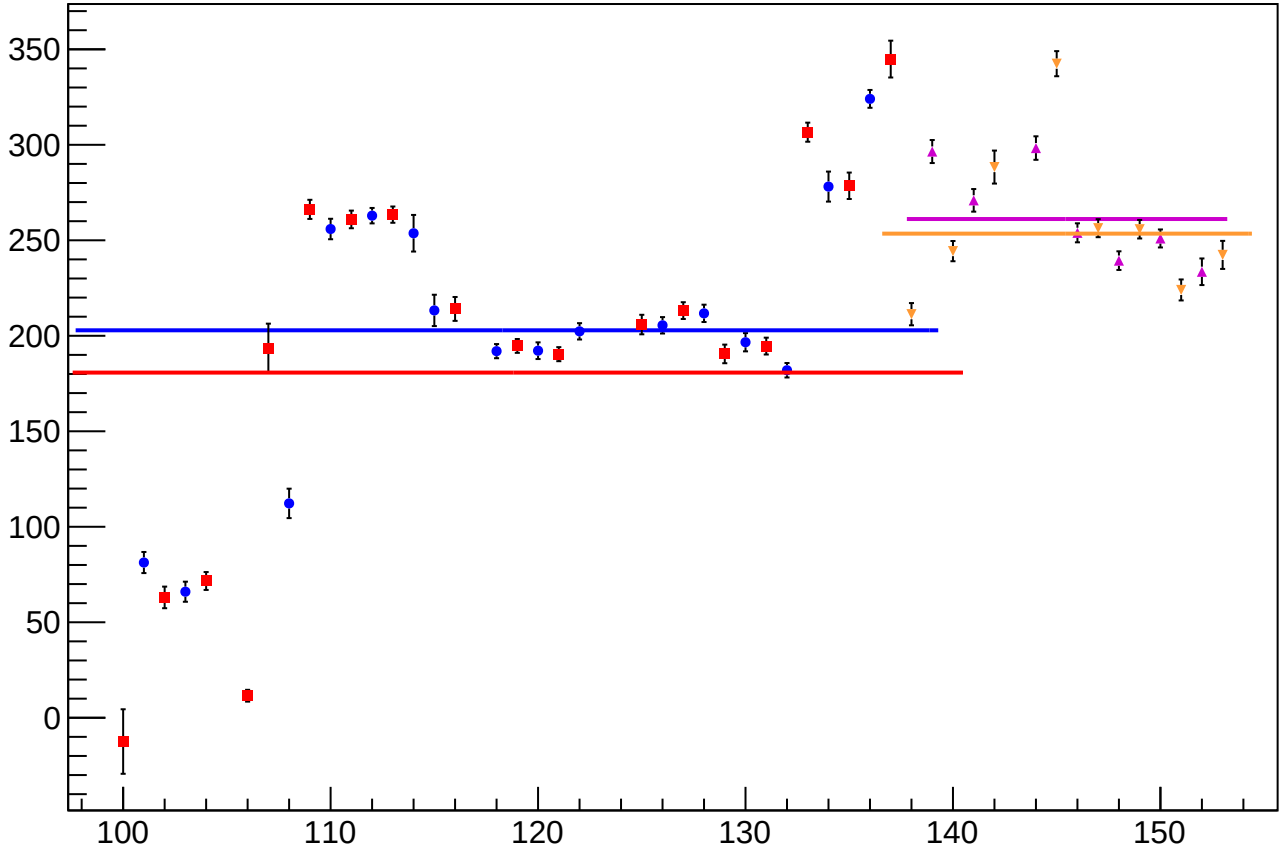
Right: 10.372+/-0.746 χ^2/NDF: 212.0/33

In: 12.595+/-0.842 χ^2/NDF:189.9/22

Out: 13.246+/-0.817 χ^2/NDF:207.0/25

All: 12.930+/-0.586 χ^2/NDF: 397.2/48

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: 253.489+/-2.038 χ^2/NDF:286.7/7

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

Left In: 261.142+/-2.083 χ^2/NDF:116.0/6

Left: 257.231+/-1.457 χ^2/NDF: 409.5/14

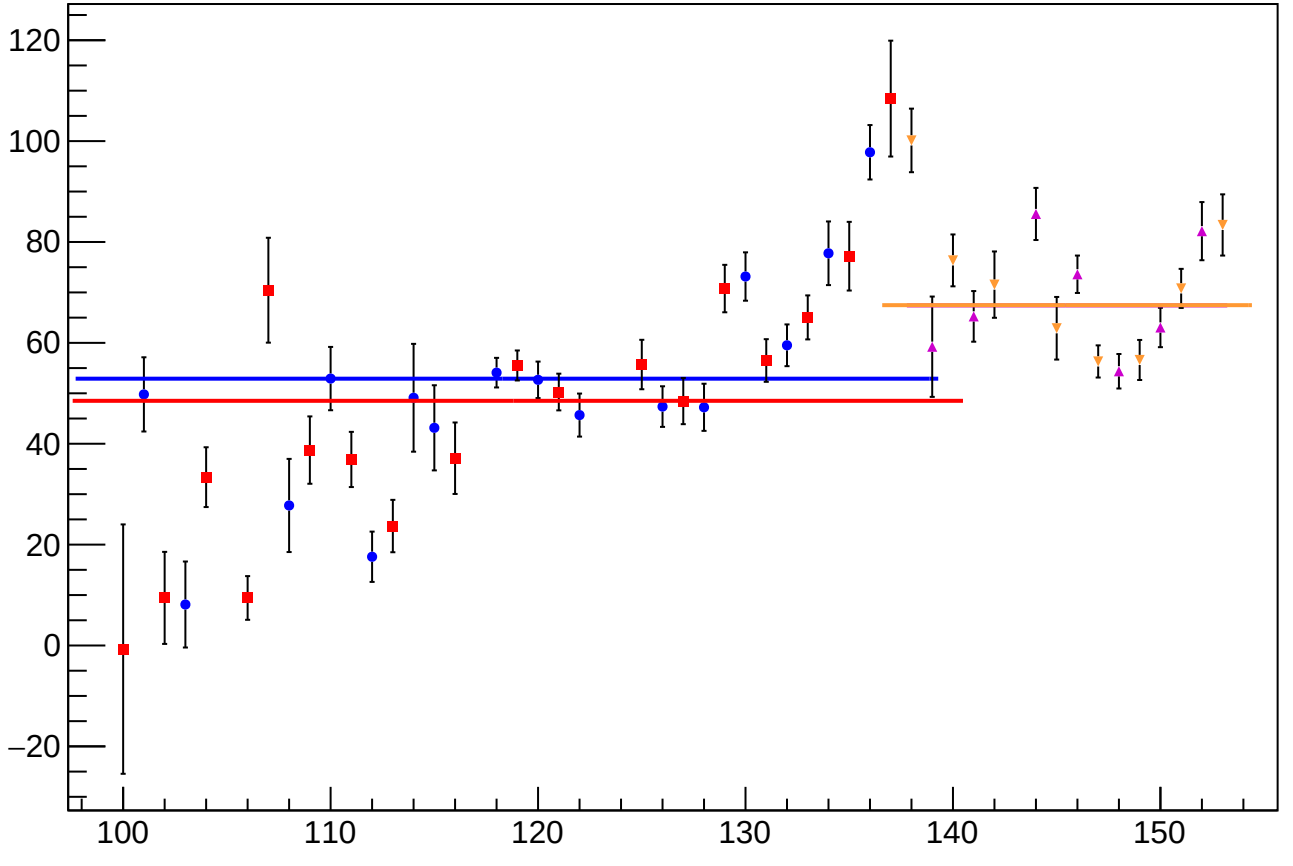
Right: 191.037+/-0.836 χ^2/NDF: 8986.6/33

In: 217.854+/-1.056 χ^2/NDF:3161.3/22

Out: 198.157+/-0.997 χ^2/NDF:7604.0/25

All: 207.440+/-0.725 χ^2/NDF: 10949.1/48

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: 67.474+/-1.649 χ^2/NDF:58.1/7

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

Left In: 67.422+/-1.712 χ^2/NDF:38.3/6

Left: 67.449+/-1.188 χ^2/NDF: 96.4/14

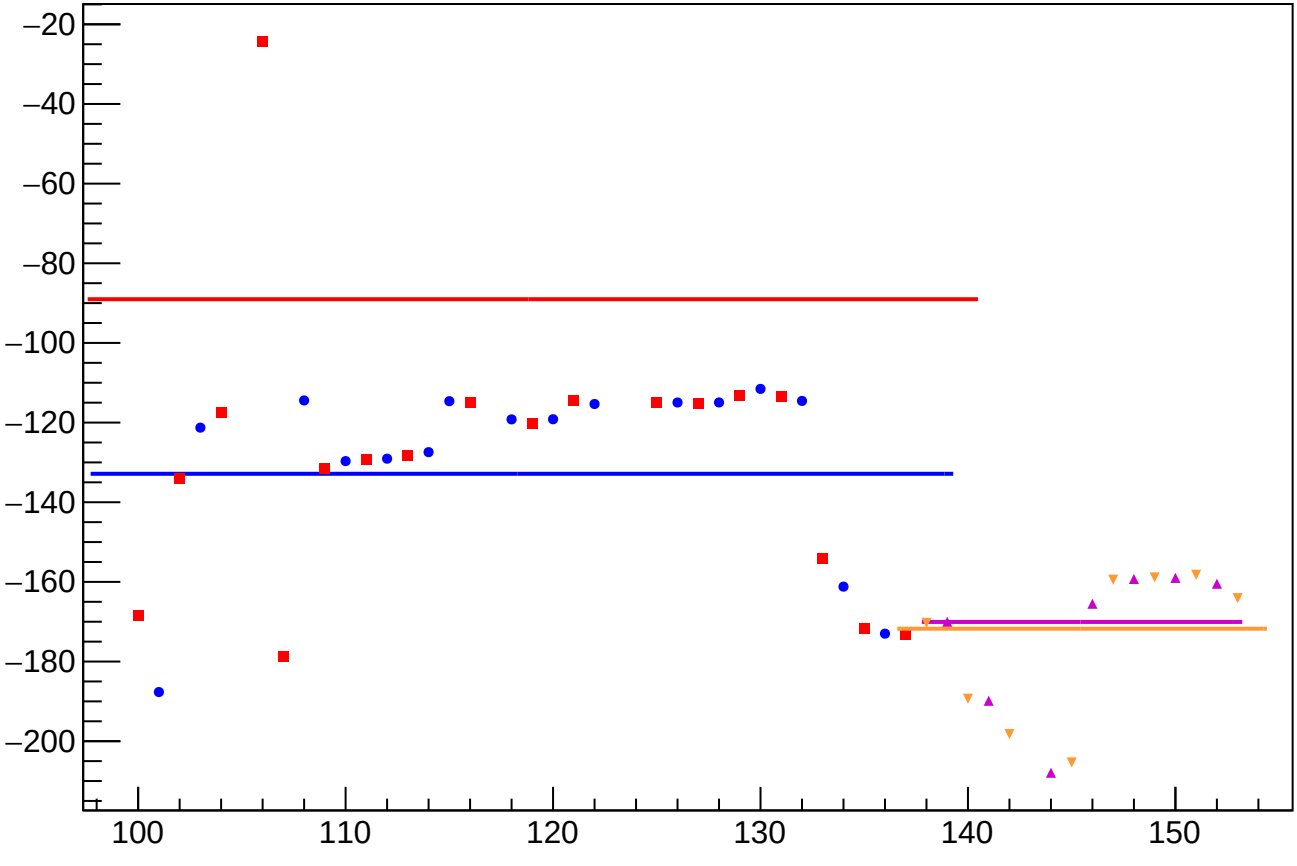
Right: 50.656+/-0.868 χ^2/NDF: 444.7/33

In: 57.904+/-1.005 χ^2/NDF:283.8/22

Out: 55.177+/-0.978 χ^2/NDF:383.9/25

All: 56.503+/-0.701 χ^2/NDF: 671.4/48

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: -171.753+/-0.084 χ^2/NDF:39978.0/7

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

Left In: -170.055+/-0.084 χ^2/NDF:33724.0/6

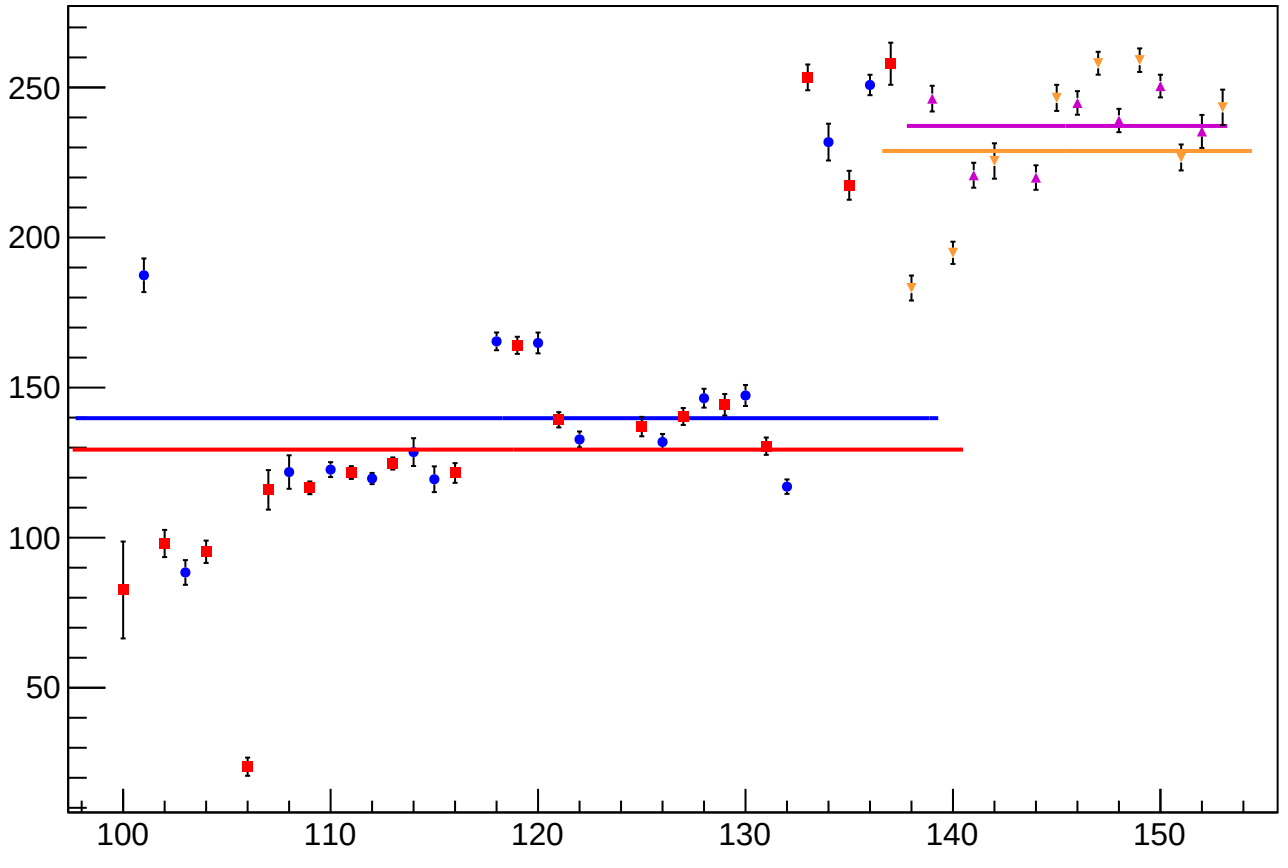
Left: -170.903+/-0.059 χ^2/NDF: 73907.2/14

Right: -105.832+/-0.050 χ^2/NDF: 1000593.4/33

In: -150.914+/-0.058 χ^2/NDF:228719.1/22

Out: -119.577+/-0.051 χ^2/NDF:1382056.6/25

All: -133.134+/-0.038 χ^2/NDF: 1774385.2/48



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 228.837+/-1.528 χ^2/NDF:345.8/7

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

Left In: 237.177+/-1.568 χ^2/NDF:54.4/6

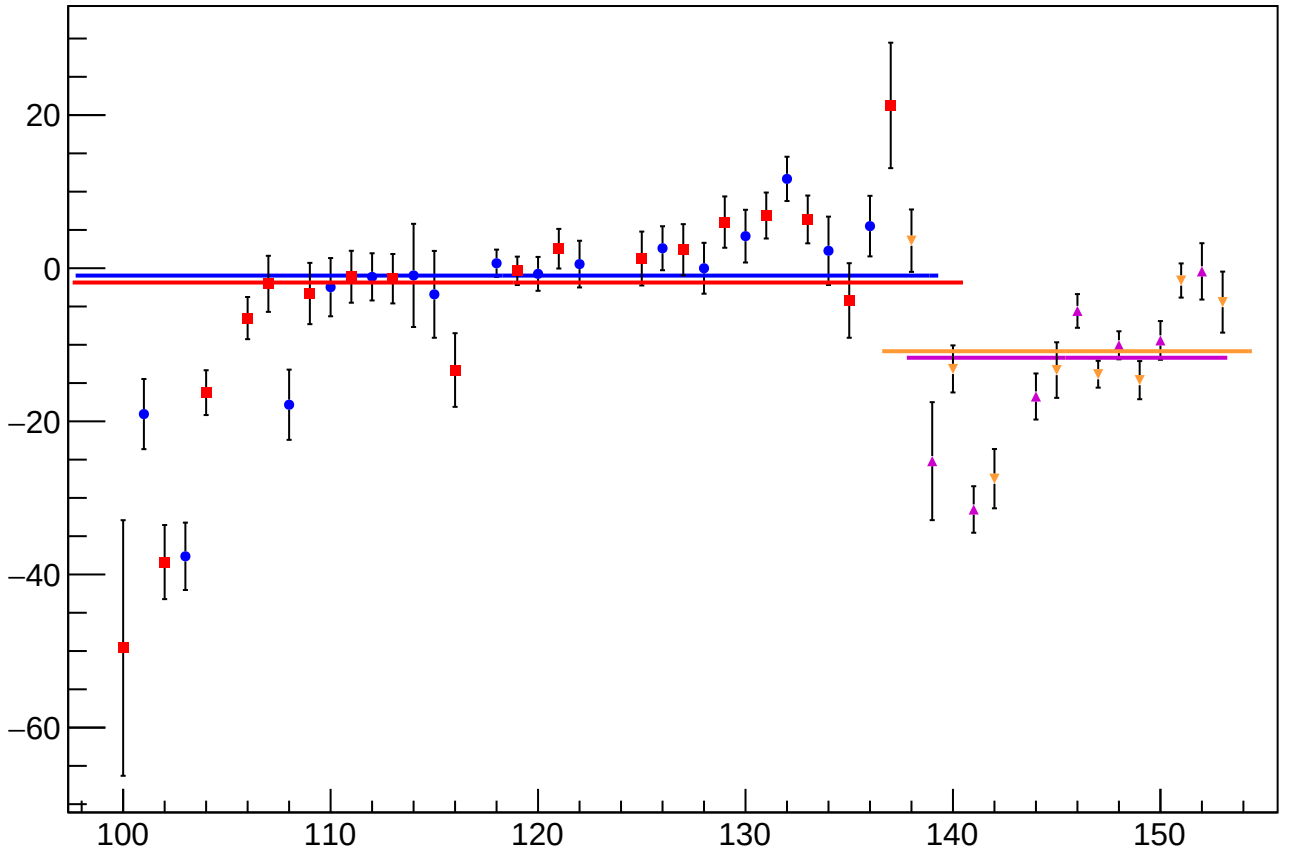
Left: 232.898+/-1.094 χ^2/NDF: 414.7/14

Right: 134.231+/-0.536 χ^2/NDF: 5183.3/33

In: 159.300+/-0.702 χ^2/NDF:5102.3/22

Out: 148.011+/-0.662 χ^2/NDF:6914.2/25

All: 153.326+/-0.481 χ^2/NDF: 12153.5/48



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -10.842+/-0.972 χ^2/NDF:57.0/7

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

Left In: -11.694+/-1.015 χ^2/NDF:67.2/6

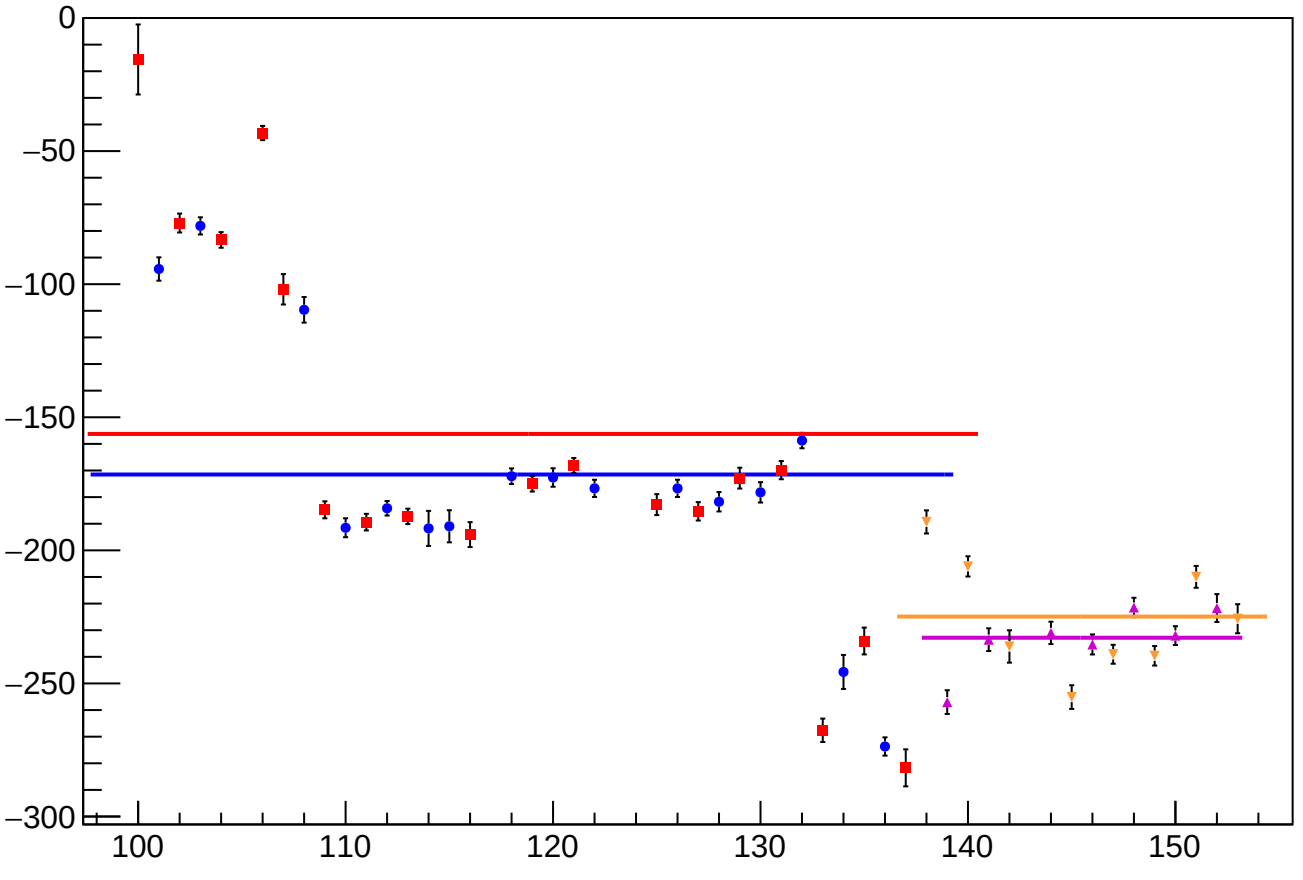
Left: -11.249+/-0.702 χ^2/NDF: 124.5/14

Right: -1.430+/-0.563 χ^2/NDF: 259.9/33

In: -5.127+/-0.632 χ^2/NDF:261.6/22

Out: -5.405+/-0.610 χ^2/NDF:241.9/25

All: -5.271+/-0.439 χ^2/NDF: 503.6/48



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -224.871+/-1.497 χ^2/NDF:186.4/7

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

Left In: -232.828+/-1.534 χ^2/NDF:44.4/6

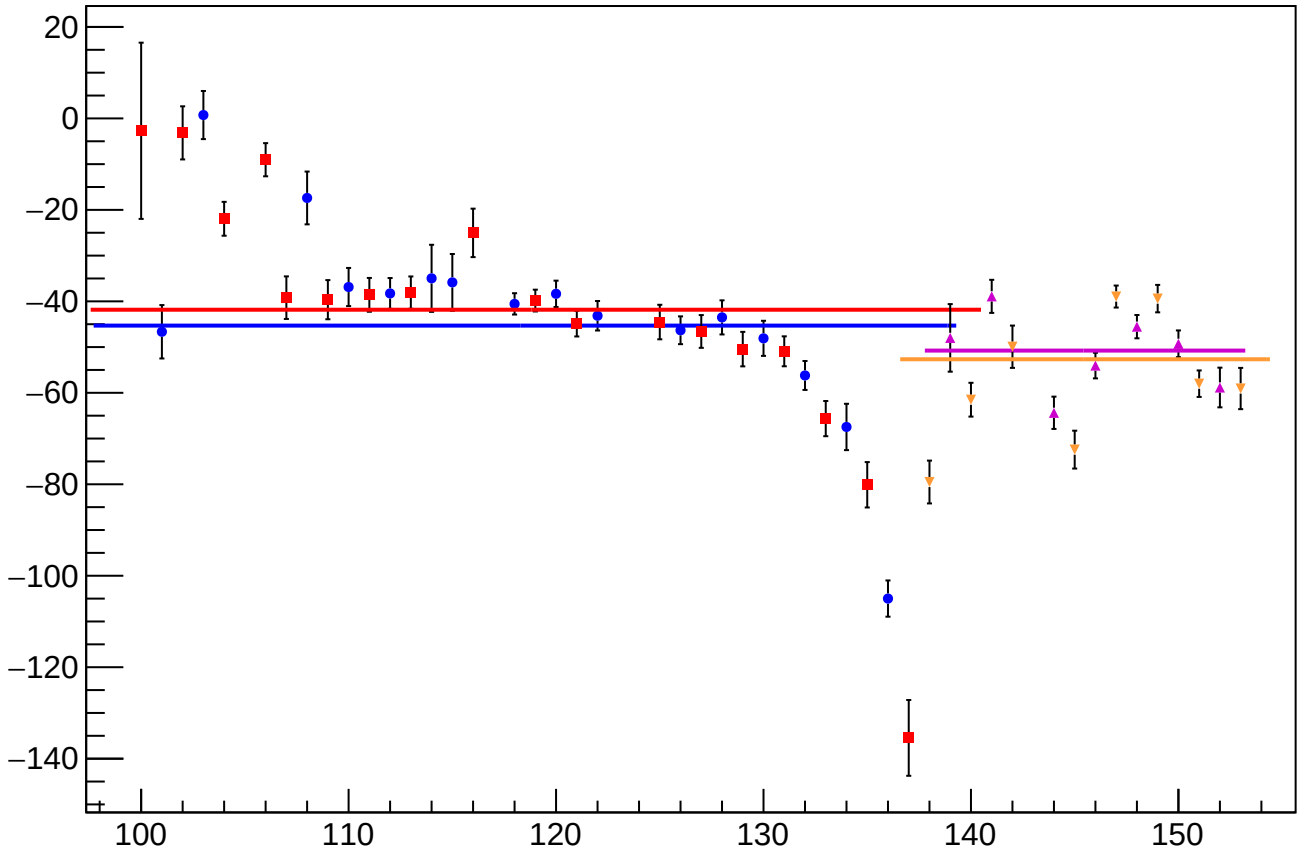
Left: -228.753+/-1.072 χ^2/NDF: 244.5/14

Right: -163.367+/-0.619 χ^2/NDF: 7498.1/33

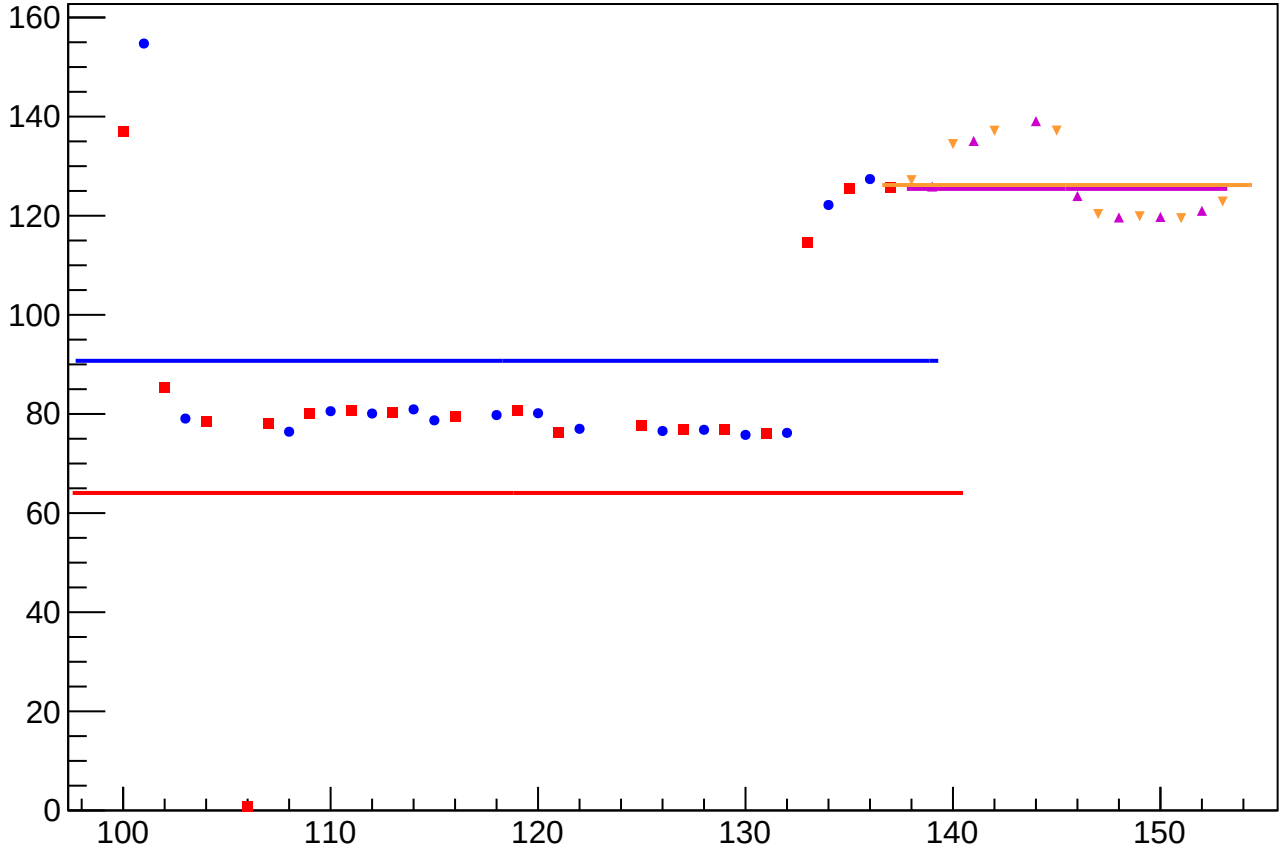
In: -187.383+/-0.781 χ^2/NDF:3671.1/22

Out: -172.899+/-0.737 χ^2/NDF:6680.8/25

All: -179.730+/-0.536 χ^2/NDF: 10533.9/48


reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
Right In: -45.304+/-0.938 χ²/NDF: 382.0/15
Left Out: -52.666+/-1.216 χ²/NDF:119.2/7
Right Out: -41.832+/-0.909 χ²/NDF: 414.2/17
Left In: -50.766+/-1.263 χ²/NDF:35.0/6
Left: -51.753+/-0.876 χ²/NDF: 155.4/14
Right: -43.515+/-0.653 χ²/NDF: 803.4/33
In: -47.244+/-0.753 χ²/NDF:429.1/22
Out: -45.718+/-0.728 χ²/NDF:584.4/25
All: -46.455+/-0.523 χ²/NDF: 1015.6/48

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: 126.193+/-0.062 χ^2/NDF:13232.1/7

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

Left In: 125.415+/-0.062 χ^2/NDF:12083.7/6

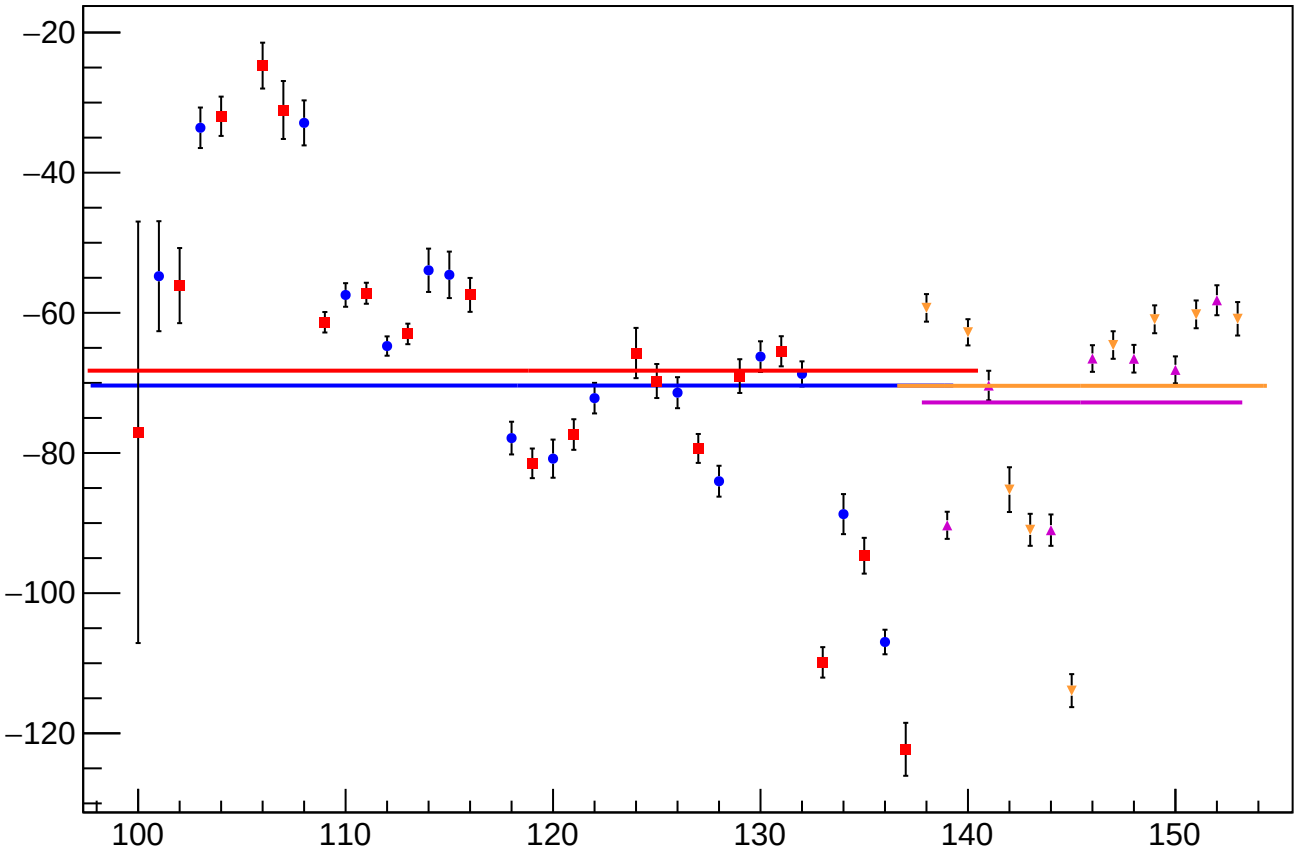
Left: 125.805+/-0.044 χ^2/NDF: 25395.4/14

Right: 75.136+/-0.038 χ^2/NDF: 943639.1/33

In: 107.113+/-0.042 χ^2/NDF:339442.1/22

Out: 88.306+/-0.038 χ^2/NDF:1294141.7/25

All: 96.786+/-0.029 χ^2/NDF: 1741215.0/48



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -70.414+/-0.715 χ^2/NDF:566.0/8

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

Left In: -72.788+/-0.764 χ^2/NDF:222.8/6

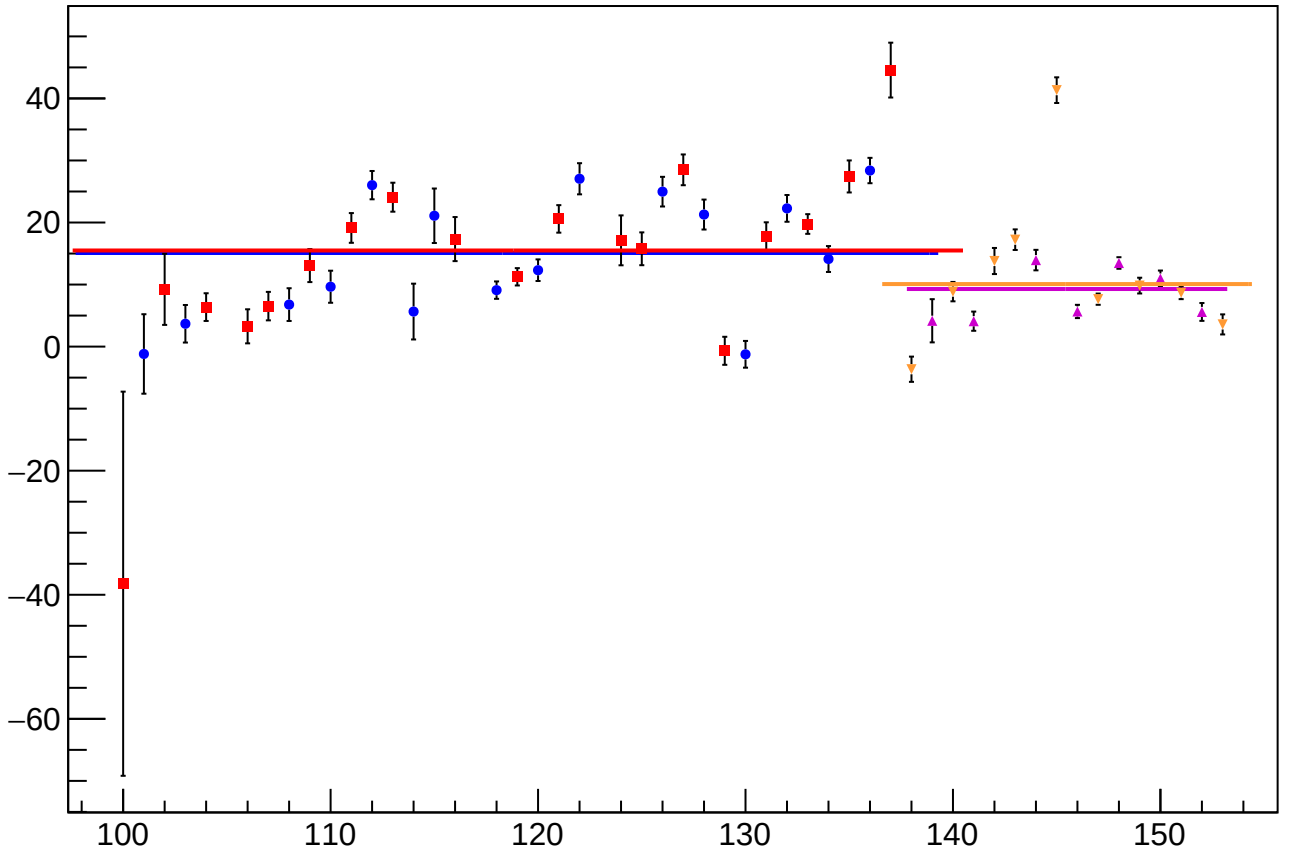
Left: -71.523+/-0.522 χ^2/NDF: 794.0/15

Right: -69.252+/-0.383 χ^2/NDF: 2288.5/34

In: -71.214+/-0.450 χ^2/NDF:1204.3/22

Out: -69.012+/-0.424 χ^2/NDF:1877.9/27

All: -70.047+/-0.309 χ^2/NDF: 3094.8/50



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 10.080+/-0.464 χ^2/NDF:321.3/8

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

Left In: 9.281+/-0.502 χ^2/NDF:61.3/6

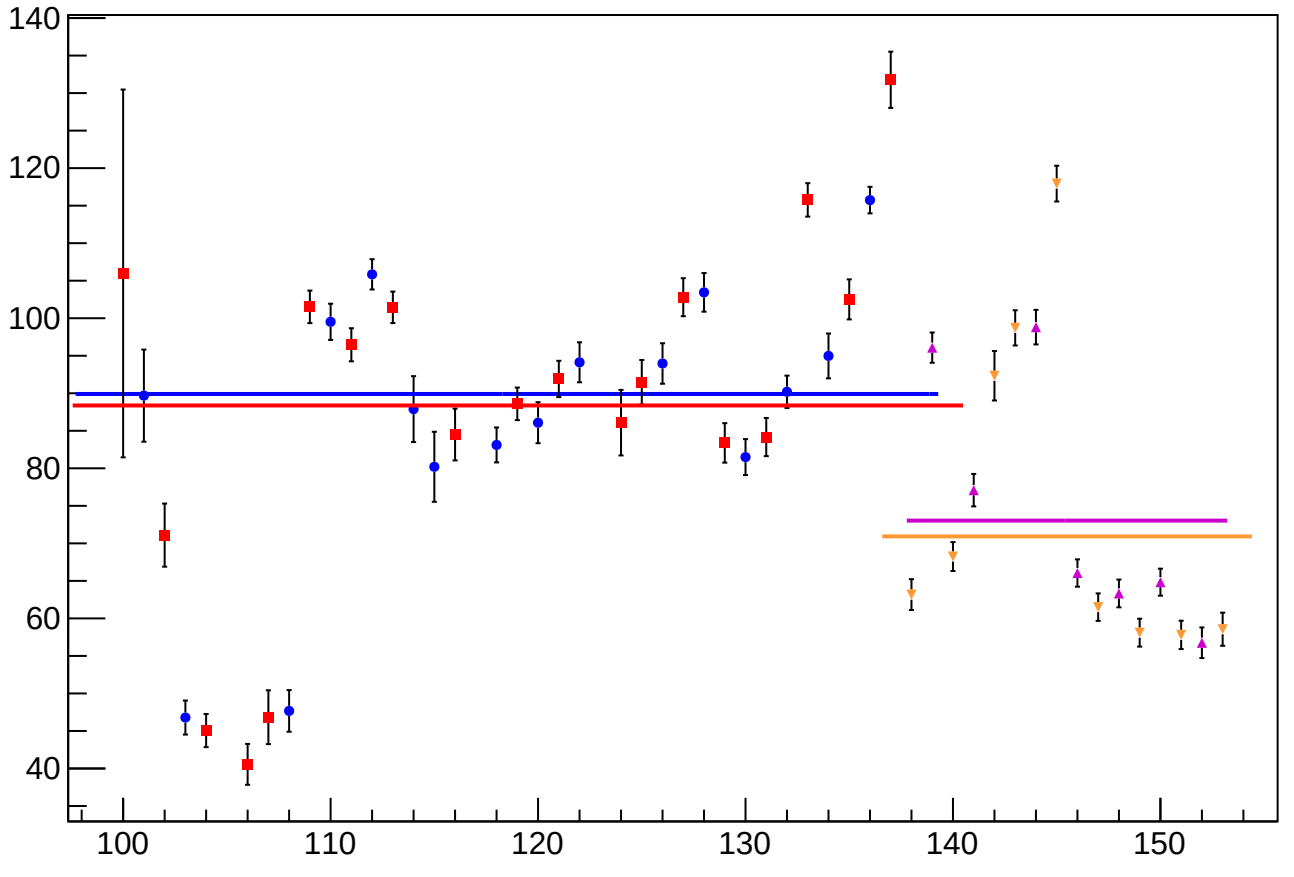
Left: 9.711+/-0.341 χ^2/NDF: 384.0/15

Right: 15.300+/-0.402 χ^2/NDF: 482.0/34

In: 11.764+/-0.380 χ^2/NDF:361.1/22

Out: 12.293+/-0.357 χ^2/NDF:616.1/27

All: 12.045+/-0.260 χ^2/NDF: 978.3/50



Right In: 89.907+/-0.641 χ^2/NDF: 947.7/15

Left Out: 70.928+/-0.702 χ^2/NDF:741.0/8

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

Left In: 73.031+/-0.747 χ^2/NDF:385.9/6

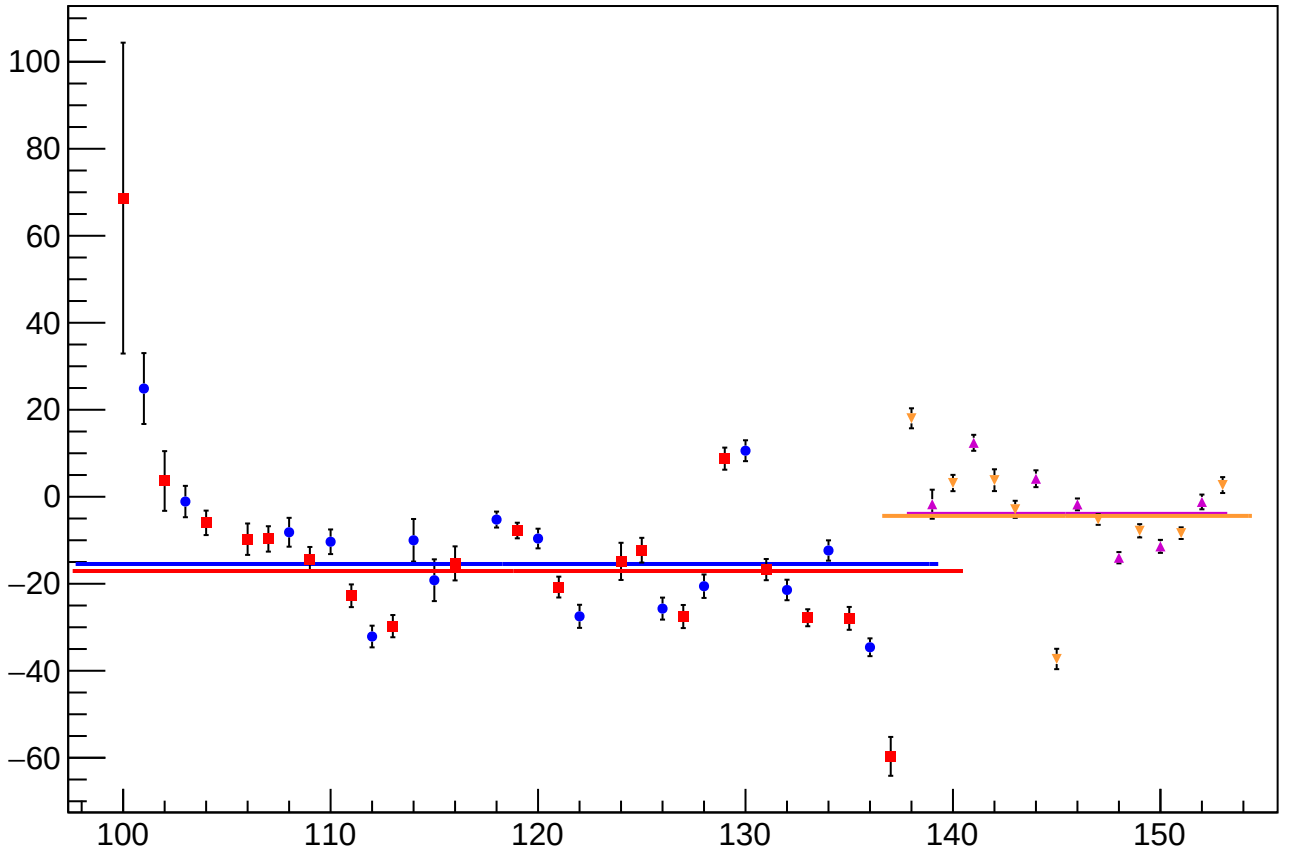
Left: 71.914+/-0.512 χ^2/NDF: 1131.1/15

Right: 89.113+/-0.445 χ^2/NDF: 2239.5/34

In: 82.756+/-0.486 χ^2/NDF:1627.6/22

Out: 80.768+/-0.464 χ^2/NDF:2378.0/27

All: 81.714+/-0.336 χ^2/NDF: 4014.4/50



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: -4.397+/-0.576 χ^2/NDF:349.2/8

Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: -3.934+/-0.622 χ^2/NDF:187.5/6

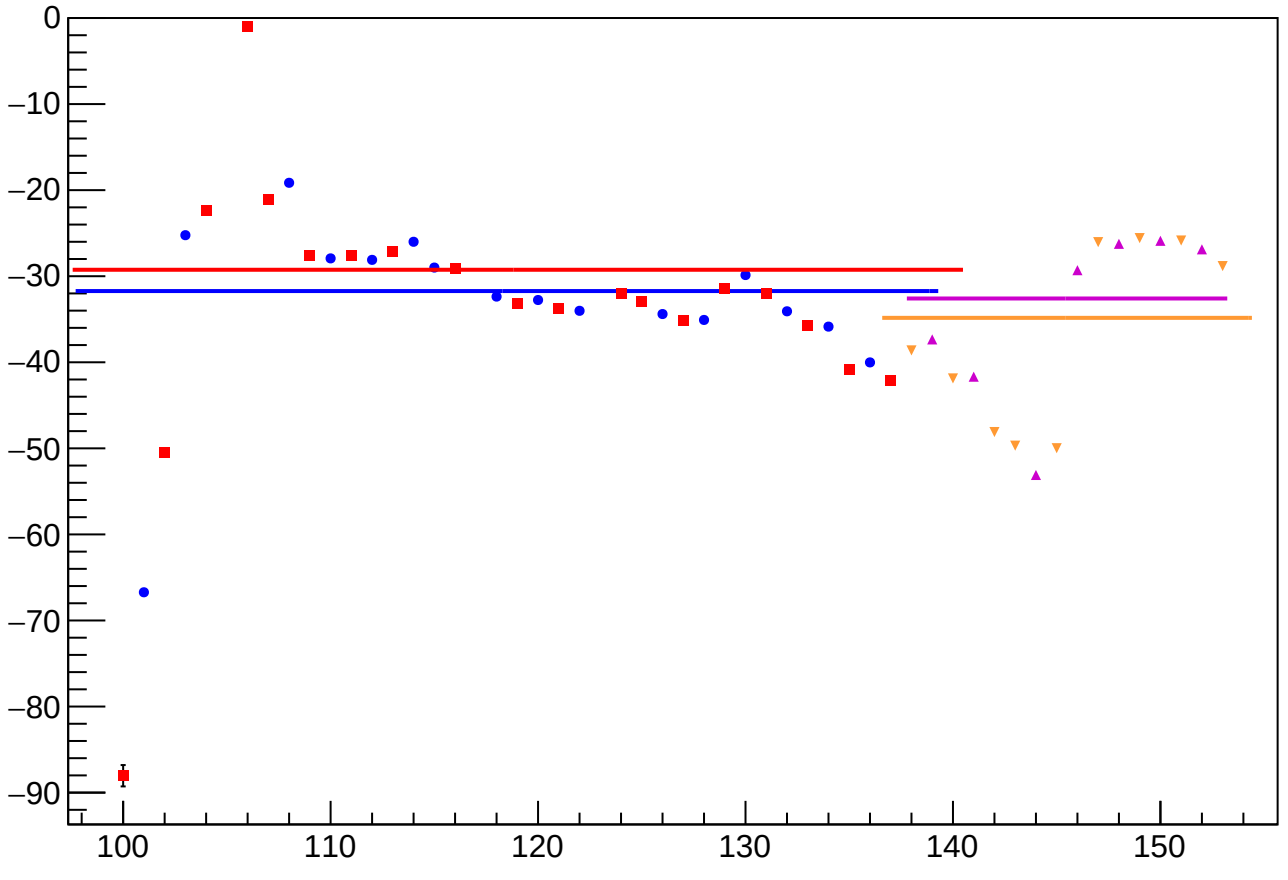
Left: -4.183+/-0.423 χ^2/NDF: 537.0/15

Right: -16.287+/-0.463 χ^2/NDF: 750.5/34

In: -9.307+/-0.455 χ^2/NDF:733.9/22

Out: -10.036+/-0.429 χ^2/NDF:925.2/27

All: -9.692+/-0.312 χ^2/NDF: 1660.4/50



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -34.837+/-0.028 χ^2/NDF:114511.4/8

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

Left In: -32.589+/-0.030 χ^2/NDF:77938.2/6

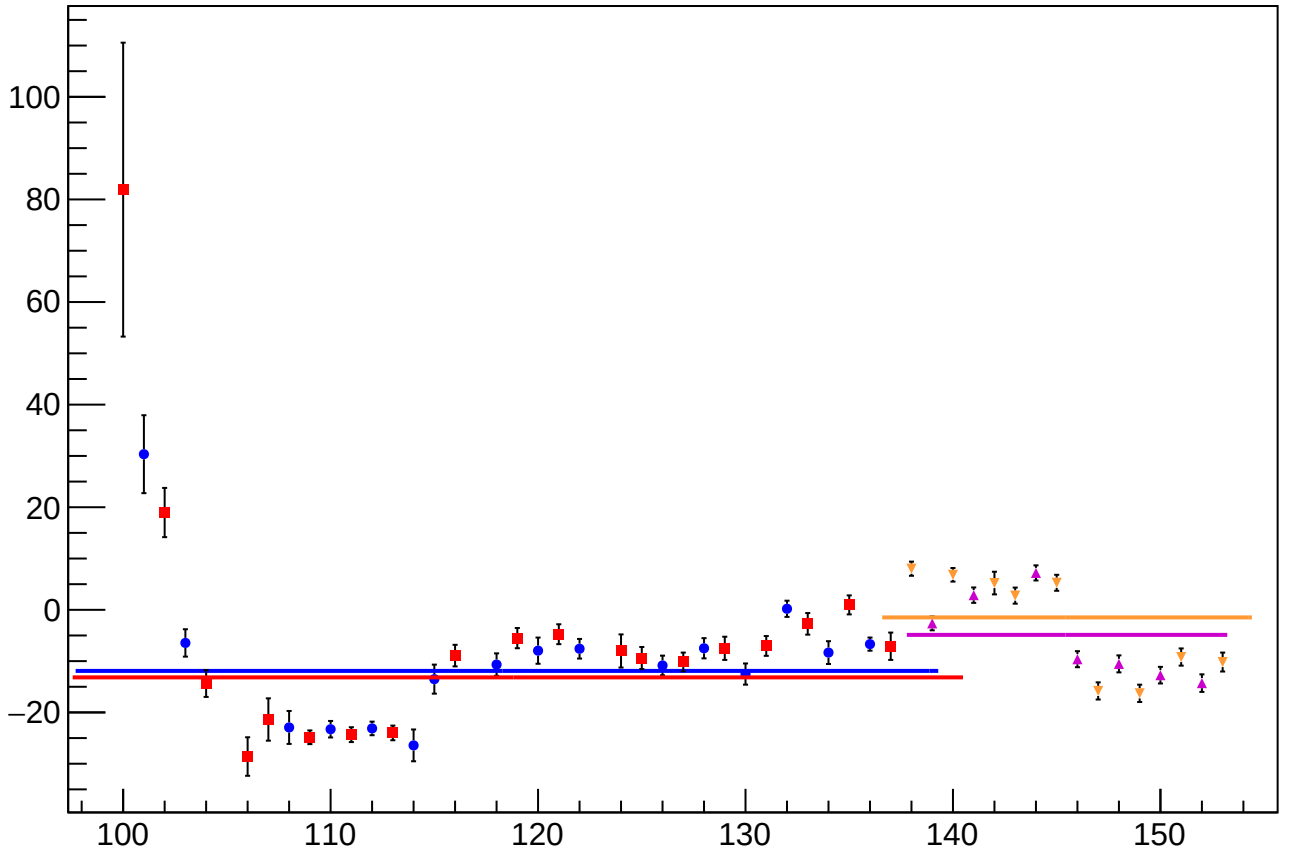
Left: -33.760+/-0.021 χ^2/NDF: 195434.6/15

Right: -30.485+/-0.027 χ^2/NDF: 136941.1/34

In: -32.266+/-0.024 χ^2/NDF:117890.2/22

Out: -32.855+/-0.023 χ^2/NDF:223390.1/27

All: -32.569+/-0.016 χ^2/NDF: 341602.3/50



Right In: -11.906+/-0.497 χ^2/NDF: 282.1/15

Left Out: -1.479+/-0.536 χ^2/NDF:315.7/8

Right Out: -13.169+/-0.480 χ^2/NDF: 421.5/18

Left In: -4.884+/-0.582 χ^2/NDF:171.0/6

Left: -3.041+/-0.395 χ^2/NDF: 505.2/15

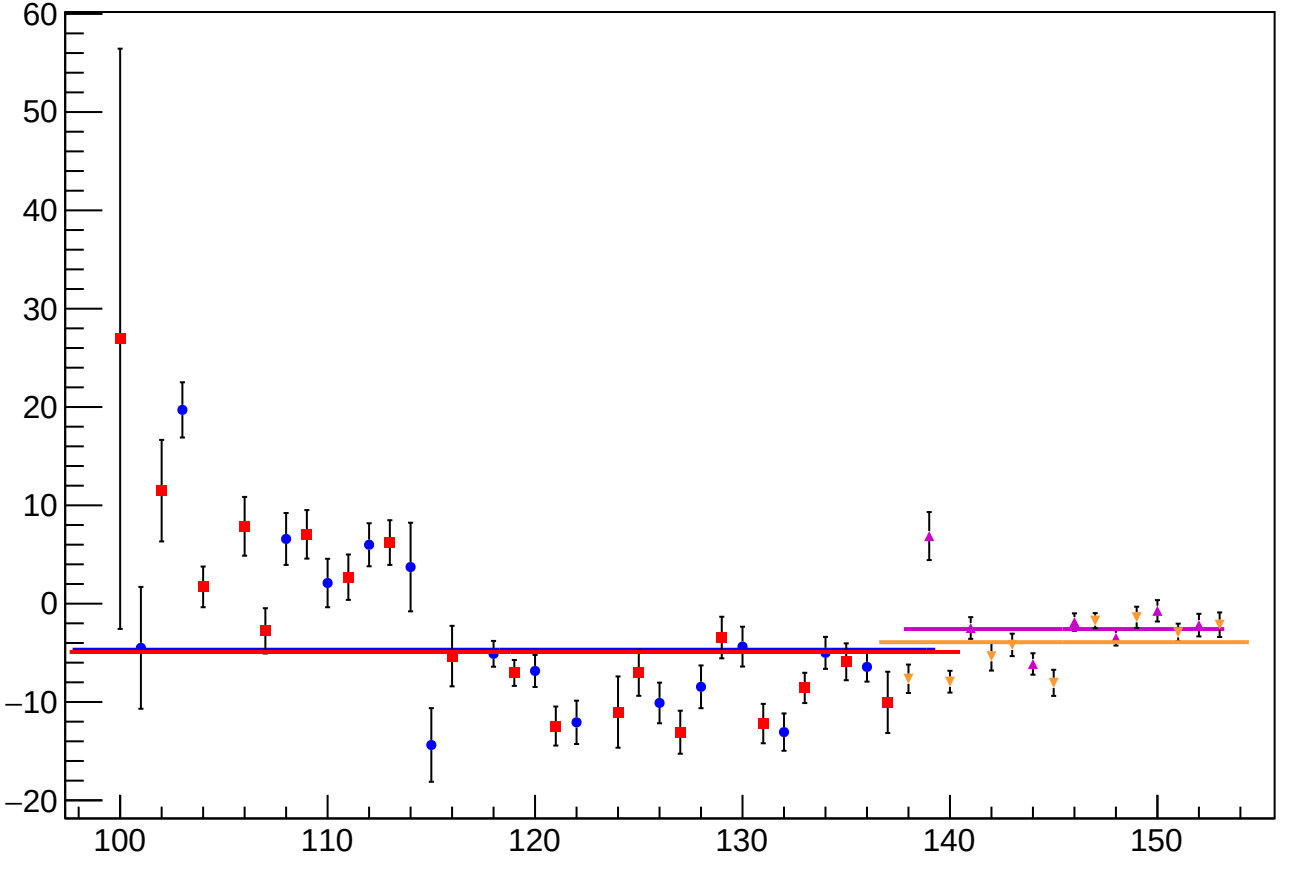
Right: -12.559+/-0.345 χ^2/NDF: 706.9/34

In: -8.949+/-0.378 χ^2/NDF:537.3/22

Out: -7.968+/-0.358 χ^2/NDF:1001.0/27

All: -8.432+/-0.260 χ^2/NDF: 1541.8/50

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -3.919+/-0.363 χ^2/NDF:47.4/8

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

Left In: -2.584+/-0.397 χ^2/NDF:30.6/6

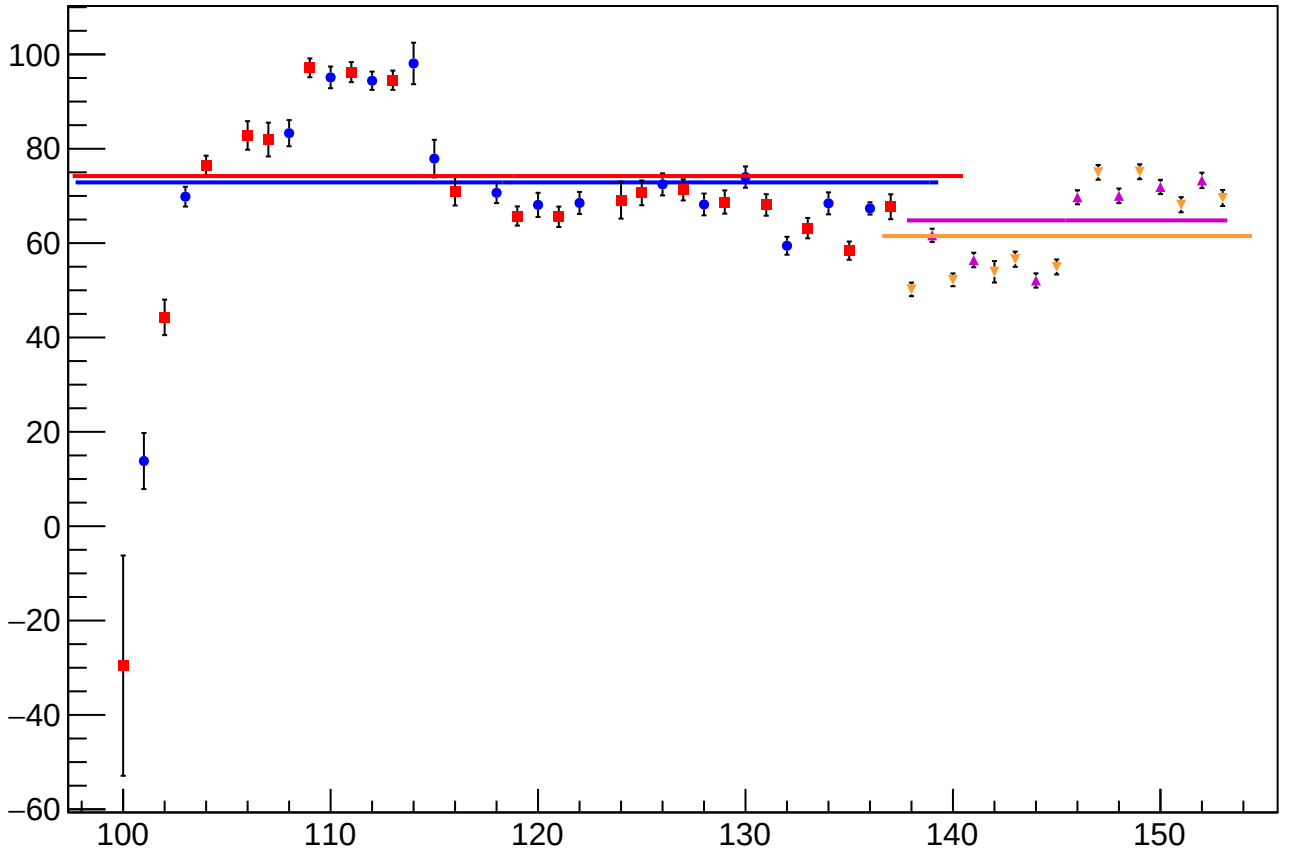
Left: -3.310+/-0.268 χ^2/NDF: 84.2/15

Right: -4.801+/-0.364 χ^2/NDF: 335.0/34

In: -3.364+/-0.315 χ^2/NDF:220.0/22

Out: -4.251+/-0.297 χ^2/NDF:205.8/27

All: -3.834+/-0.216 χ^2/NDF: 430.0/50



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 61.496+/-0.532 χ^2/NDF:334.4/8

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

Left In: 64.814+/-0.574 χ^2/NDF:176.1/6

Left: 63.028+/-0.390 χ^2/NDF: 528.5/15

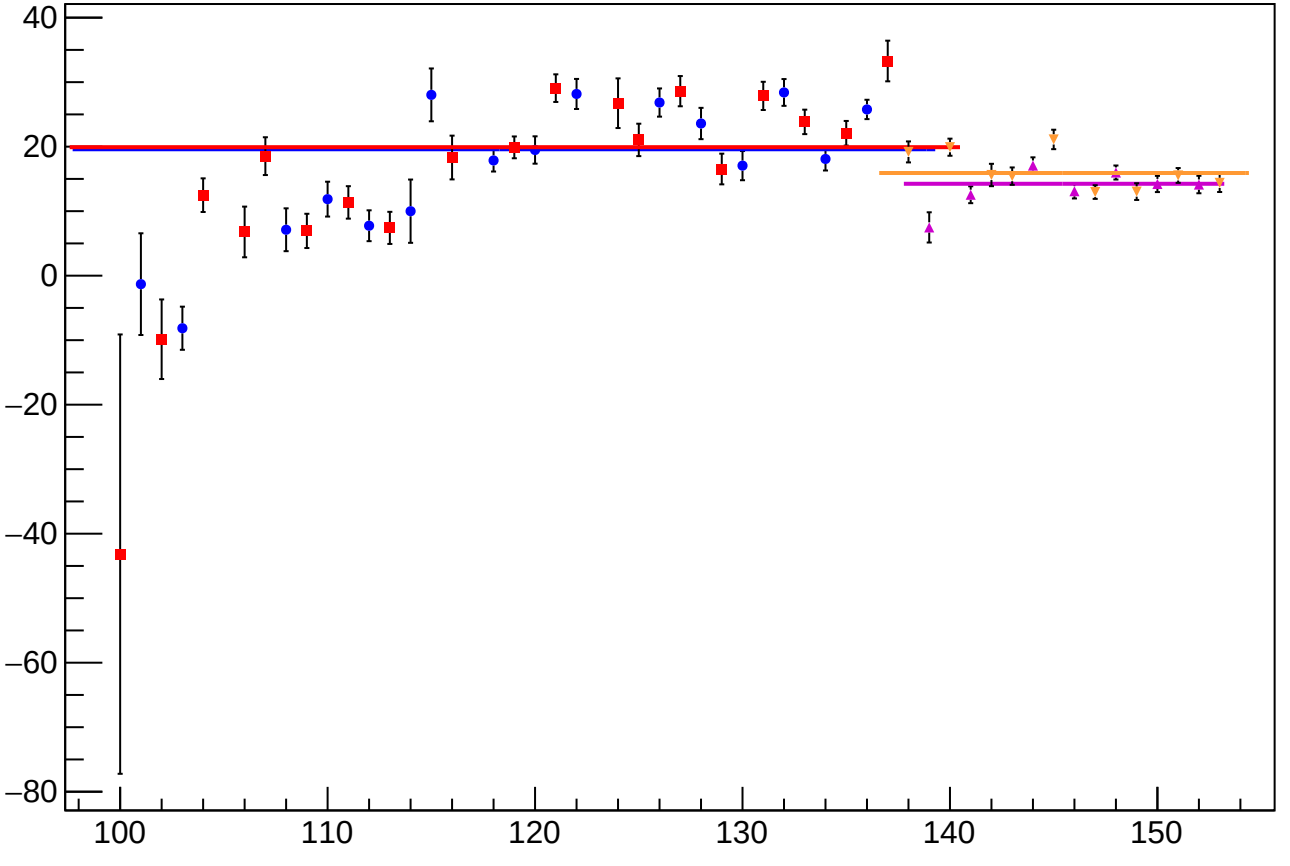
Right: 73.545+/-0.399 χ^2/NDF: 1039.8/34

In: 68.902+/-0.403 χ^2/NDF:726.7/22

Out: 67.500+/-0.386 χ^2/NDF:1190.9/27

All: 68.171+/-0.279 χ^2/NDF: 1923.9/50

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: 15.917+/-0.446 χ^2/NDF:39.3/8

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

Left In: 14.245+/-0.489 χ^2/NDF:18.5/6

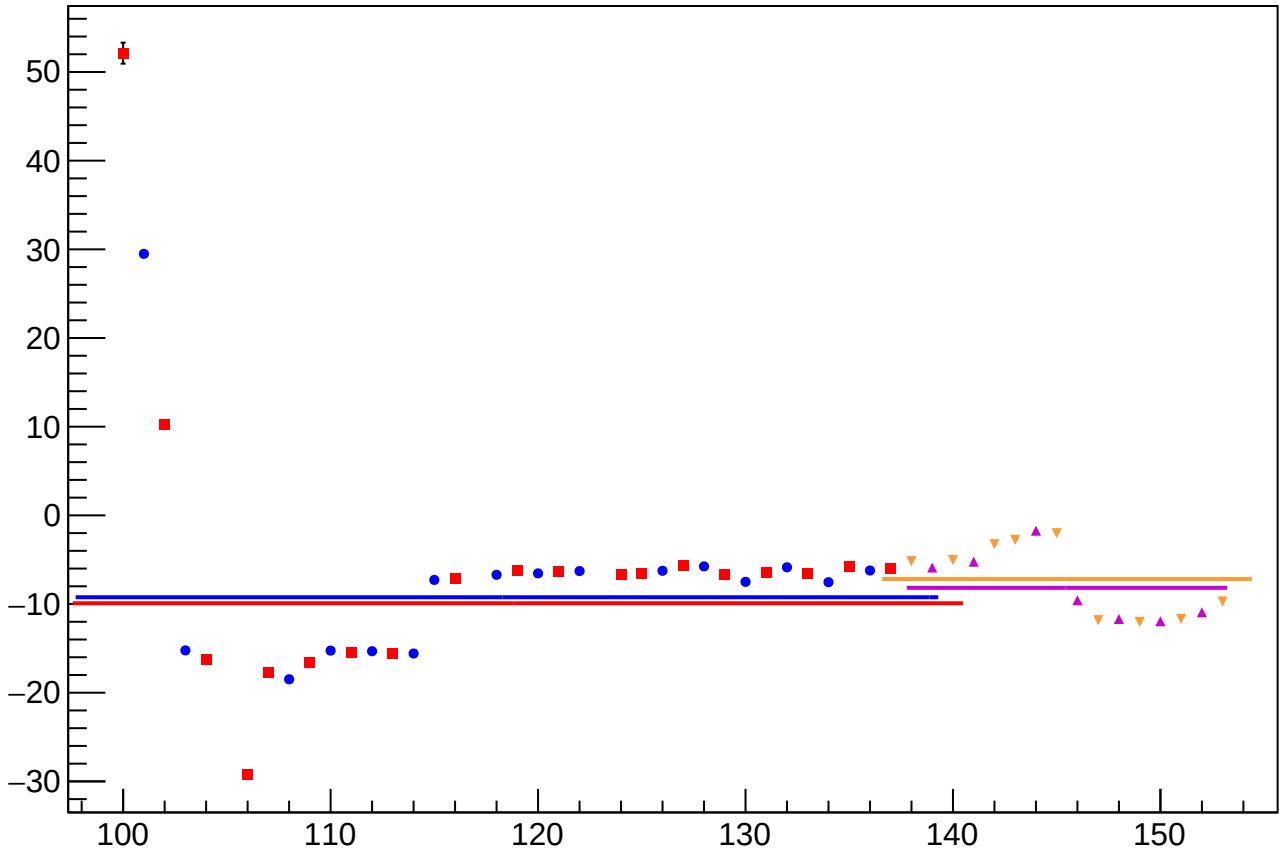
Left: 15.156+/-0.329 χ^2/NDF: 64.2/15

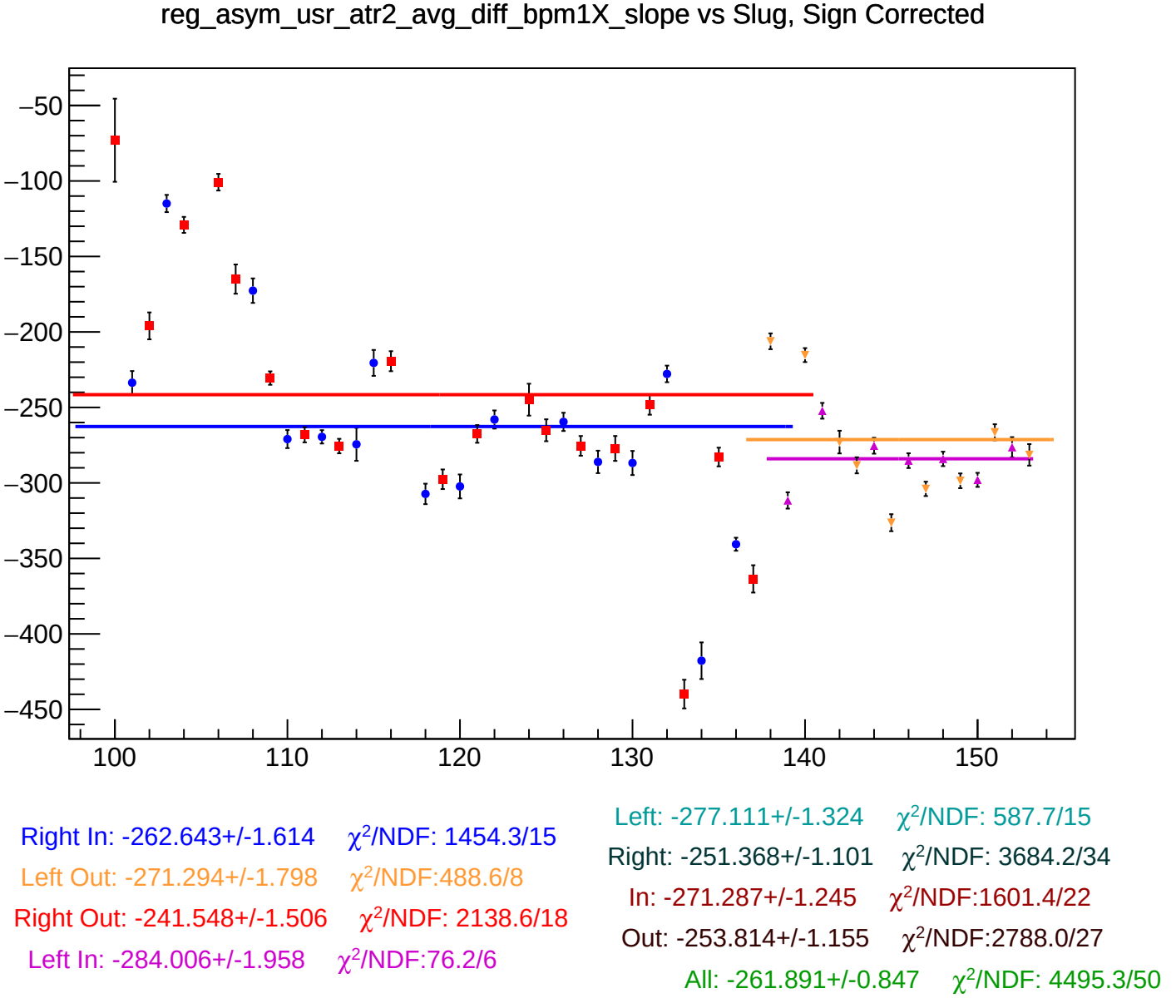
Right: 19.759+/-0.414 χ^2/NDF: 377.5/34

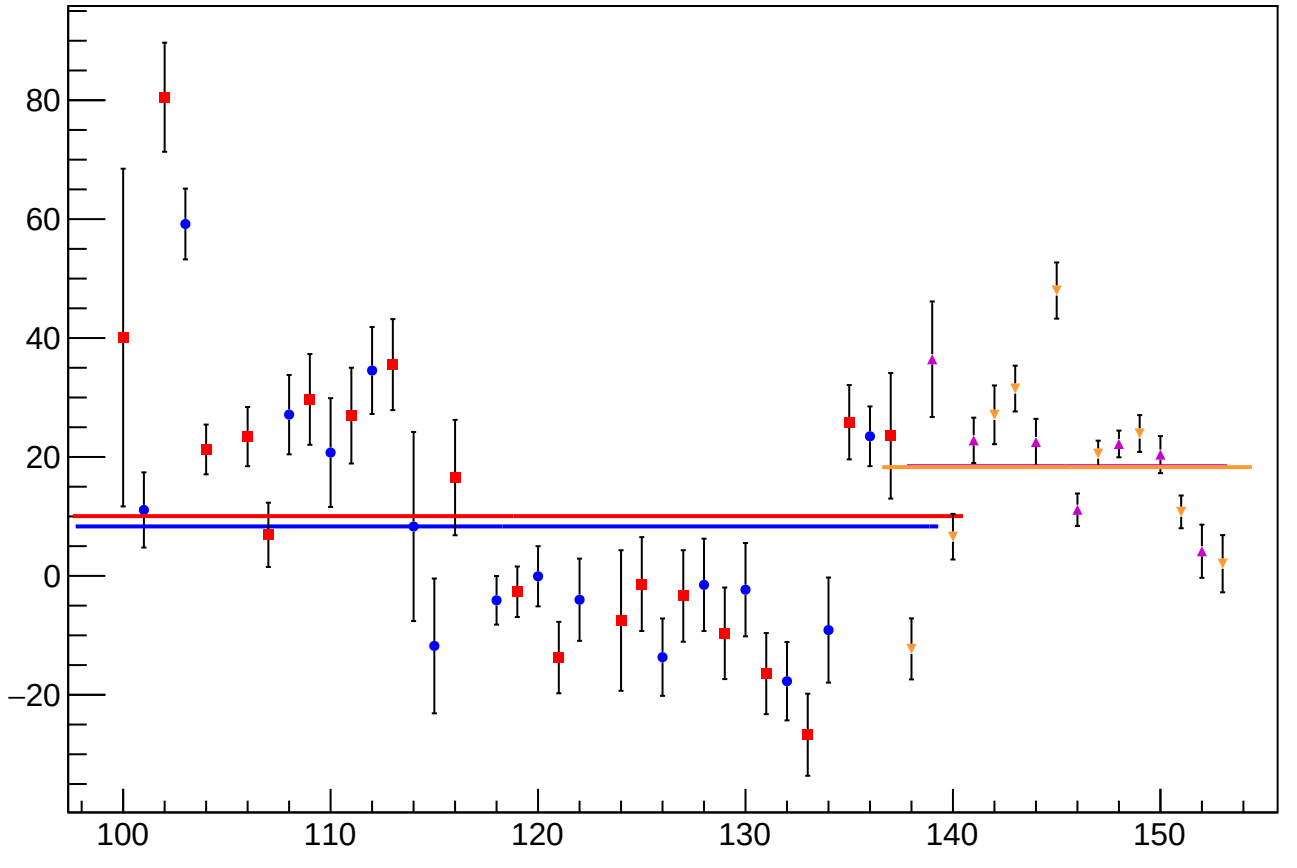
In: 16.443+/-0.375 χ^2/NDF:263.8/22

Out: 17.387+/-0.355 χ^2/NDF:250.2/27

All: 16.941+/-0.258 χ^2/NDF: 517.4/50


reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug, Sign Corrected
50
40
30
20
10
0
−10
−20
−30
100
110
120
130
140
150
Right In: -9.235+/-0.033 χ²/NDF: 31159.3/15
Left Out: -7.181+/-0.022 χ²/NDF:32364.5/8
Right Out: -9.913+/-0.034 χ²/NDF: 53863.3/18
Left In: -8.169+/-0.023 χ²/NDF:22959.2/6
Left: -7.646+/-0.016 χ²/NDF: 56316.7/15
Right: -9.558+/-0.024 χ²/NDF: 85225.4/34
In: -8.516+/-0.019 χ²/NDF:54828.6/22
Out: -7.948+/-0.018 χ²/NDF:90754.8/27
All: -8.224+/-0.013 χ²/NDF: 146055.2/50


reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
−300
−350
−400
−450
100
110
120
130
140
150
Right In: -262.643+/-1.614 χ²/NDF: 1454.3/15
Left Out: -271.294+/-1.798 χ²/NDF:488.6/8
Right Out: -241.548+/-1.506 χ²/NDF: 2138.6/18
Left In: -284.006+/-1.958 χ²/NDF:76.2/6
Left: -277.111+/-1.324 χ²/NDF: 587.7/15
Right: -251.368+/-1.101 χ²/NDF: 3684.2/34
In: -271.287+/-1.245 χ²/NDF:1601.4/22
Out: -253.814+/-1.155 χ²/NDF:2788.0/27
All: -261.891+/-0.847 χ²/NDF: 4495.3/50



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 18.287+/-1.155 χ^2/NDF:122.6/8

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

Left In: 18.453+/-1.260 χ^2/NDF:26.4/6

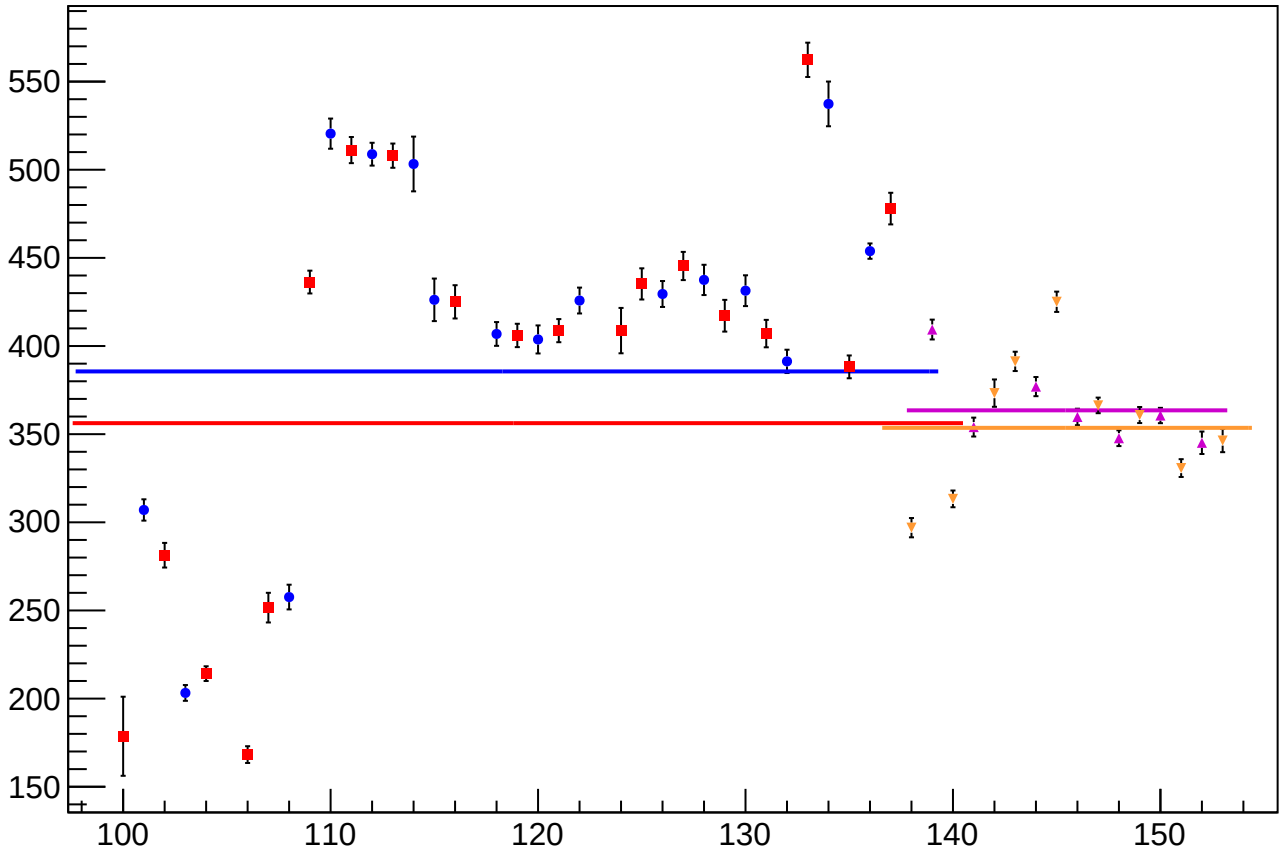
Left: 18.363+/-0.851 χ^2/NDF: 149.0/15

Right: 9.243+/-1.123 χ^2/NDF: 345.7/34

In: 14.705+/-1.000 χ^2/NDF:208.0/22

Out: 15.319+/-0.924 χ^2/NDF:328.4/27

All: 15.037+/-0.678 χ^2/NDF: 536.6/50



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 353.586+/-1.769 χ^2/NDF:419.7/8

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

Left In: 363.513+/-1.912 χ^2/NDF:97.5/6

Left: 358.165+/-1.299 χ^2/NDF: 531.8/15

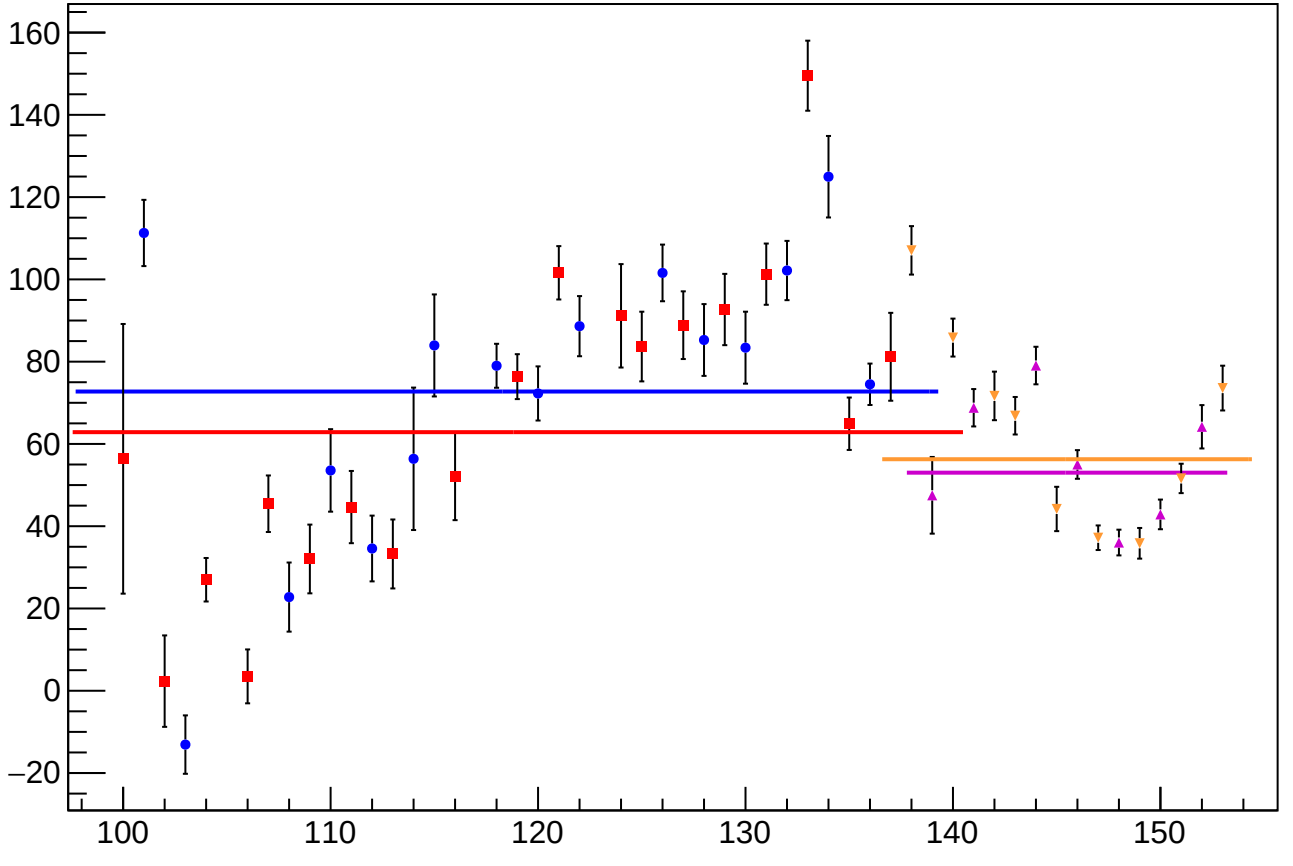
Right: 370.089+/-1.197 χ^2/NDF: 8793.2/34

In: 375.576+/-1.288 χ^2/NDF:3543.5/22

Out: 355.011+/-1.205 χ^2/NDF:5691.2/27

All: 364.614+/-0.880 χ^2/NDF: 9370.6/50

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: 56.283+/-1.439 χ^2/NDF:215.2/8

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

Left In: 53.015+/-1.570 χ^2/NDF:87.2/6

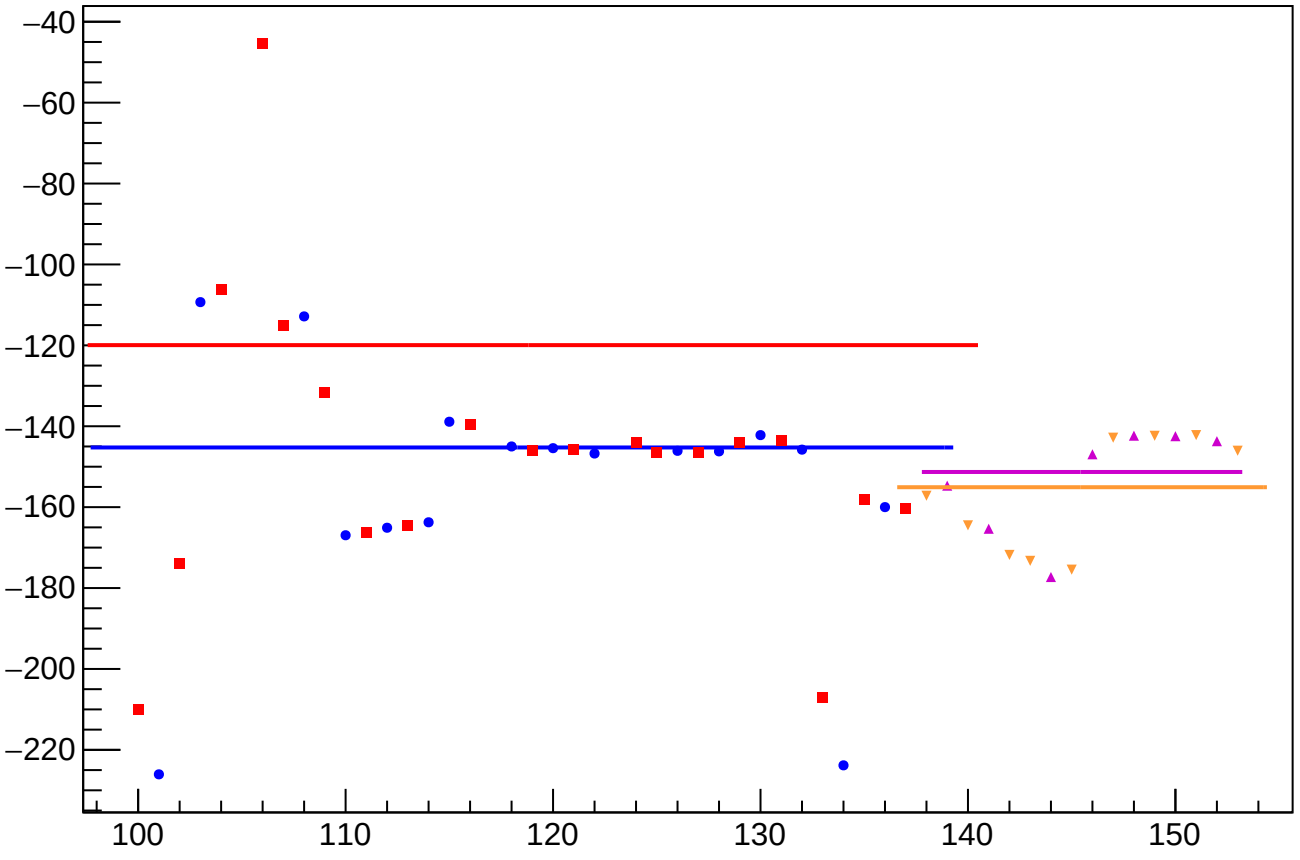
Left: 54.792+/-1.061 χ^2/NDF: 304.8/15

Right: 67.528+/-1.304 χ^2/NDF: 722.2/34

In: 61.036+/-1.210 χ^2/NDF:455.7/22

Out: 58.858+/-1.123 χ^2/NDF:627.0/27

All: 59.866+/-0.823 χ^2/NDF: 1084.4/50



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -155.072+/-0.073 χ^2/NDF:33136.5/8

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

Left In: -151.303+/-0.077 χ^2/NDF:22314.9/6

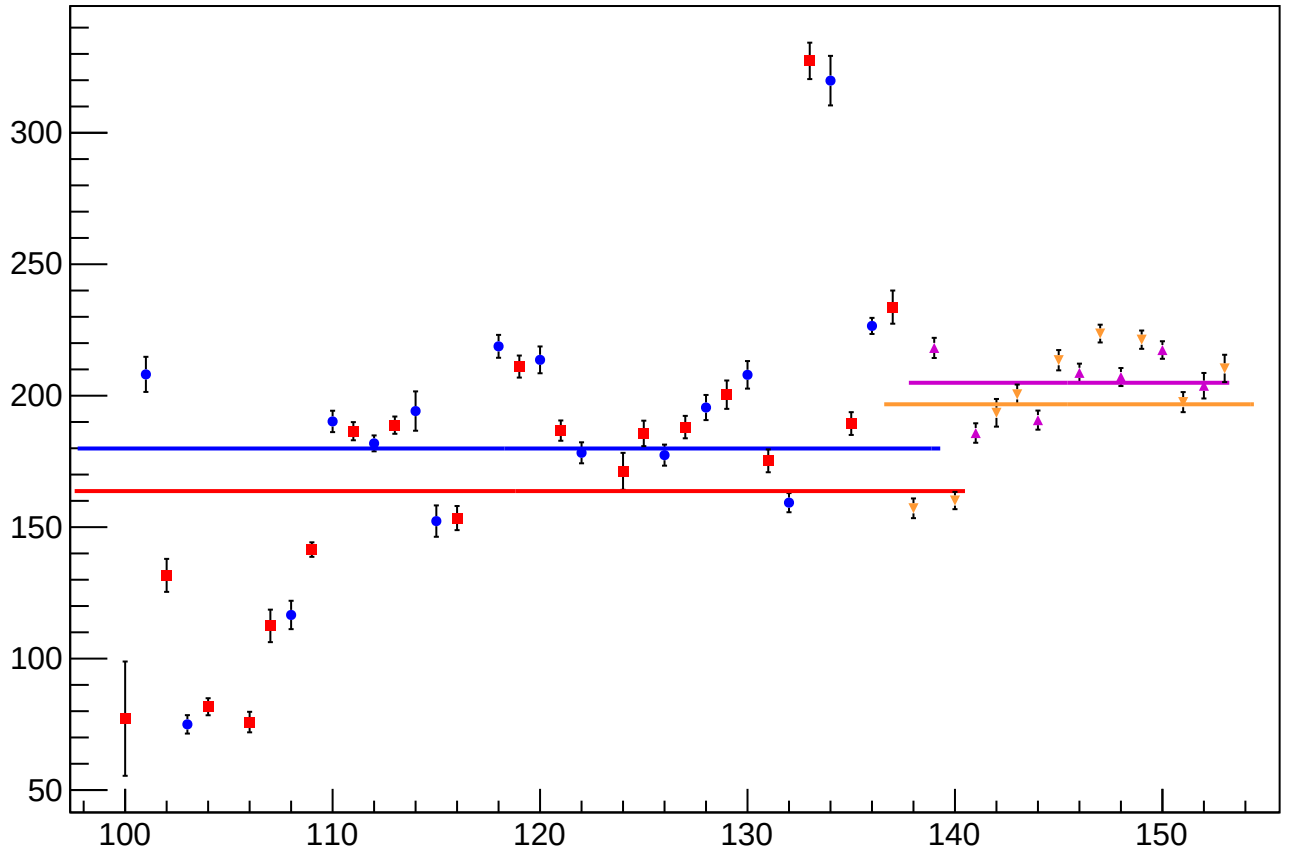
Left: -153.291+/-0.053 χ^2/NDF: 56716.4/15

Right: -131.335+/-0.066 χ^2/NDF: 438808.7/34

In: -149.003+/-0.061 χ^2/NDF:156725.3/22

Out: -140.972+/-0.056 χ^2/NDF:396788.7/27

All: -144.698+/-0.041 χ^2/NDF: 562929.2/50



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 196.733+/-1.275 χ^2/NDF:376.4/8

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

Left In: 204.914+/-1.392 χ^2/NDF:69.4/6

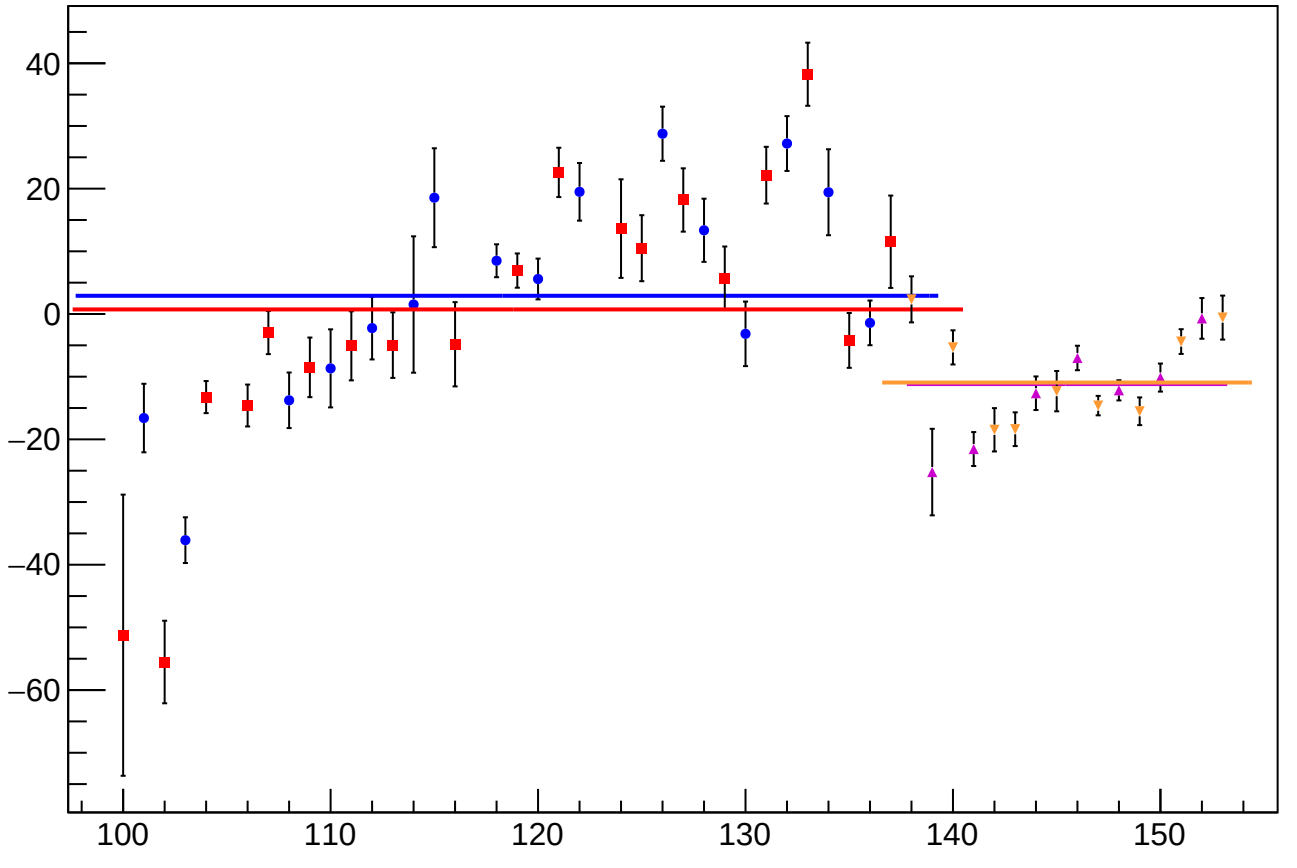
Left: 200.465+/-0.940 χ^2/NDF: 464.6/15

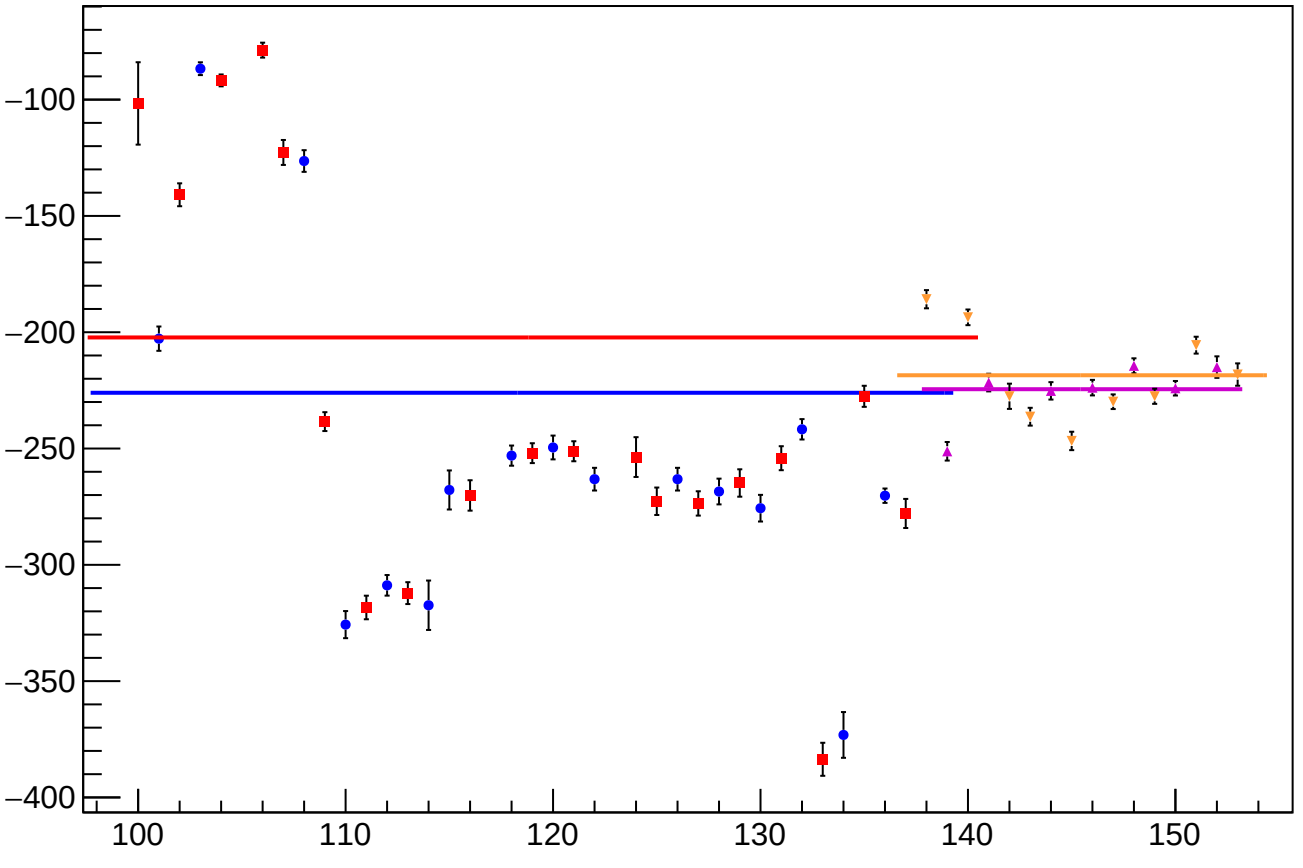
Right: 171.138+/-0.737 χ^2/NDF: 4269.5/34

In: 189.402+/-0.858 χ^2/NDF:2002.1/22

Out: 176.304+/-0.787 χ^2/NDF:3208.2/27

All: 182.294+/-0.580 χ^2/NDF: 5336.9/50


reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
100
110
120
130
140
150
Right In: 2.907+/-1.105 χ²/NDF: 247.5/15
Left Out: -10.931+/-0.821 χ²/NDF:59.5/8
Right Out: 0.729+/-1.012 χ²/NDF: 273.6/18
Left In: -11.180+/-0.899 χ²/NDF:34.7/6
Left: -11.044+/-0.606 χ²/NDF: 94.2/15
Right: 1.723+/-0.746 χ²/NDF: 523.2/34
In: -5.569+/-0.697 χ²/NDF:380.0/22
Out: -6.306+/-0.637 χ²/NDF:413.2/27
All: -5.970+/-0.470 χ²/NDF: 793.8/50



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -218.502+/-1.256 χ^2/NDF:233.3/8

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

Left In: -224.496+/-1.361 χ^2/NDF:59.4/6

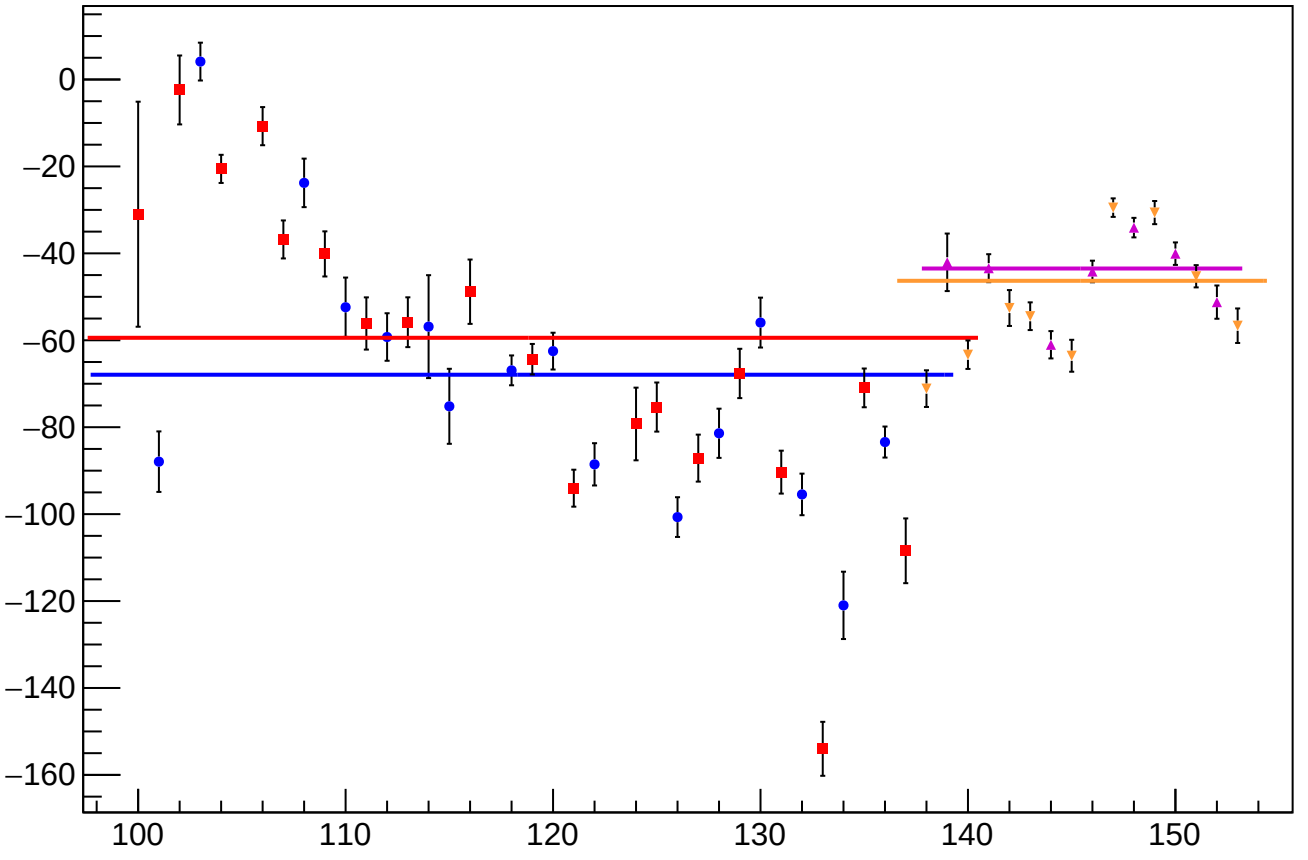
Left: -221.258+/-0.923 χ^2/NDF: 303.2/15

Right: -213.214+/-0.798 χ^2/NDF: 11450.5/34

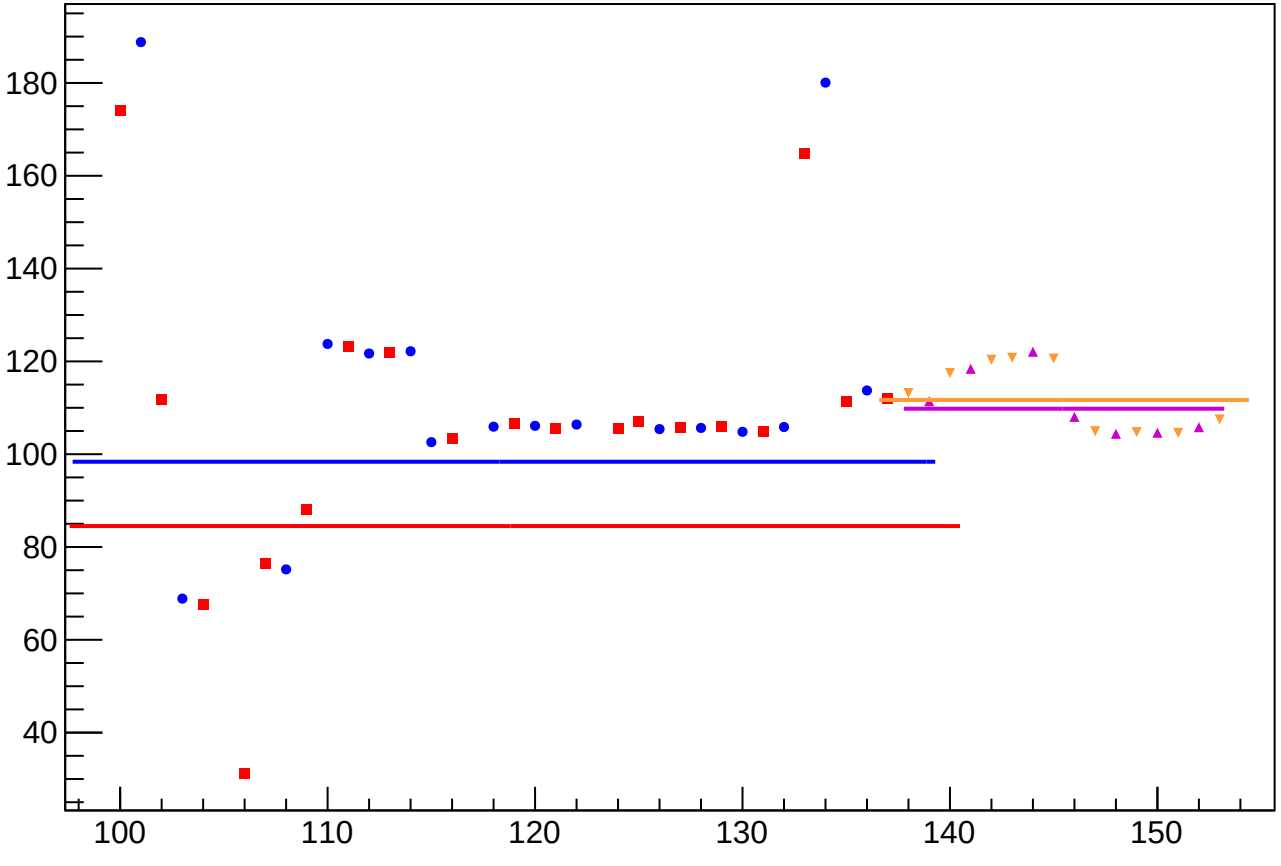
In: -225.374+/-0.889 χ^2/NDF:4599.2/22

Out: -209.209+/-0.822 χ^2/NDF:7019.8/27

All: -216.654+/-0.604 χ^2/NDF: 11797.2/50


reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0
−20
−40
−60
−80
−100
−120
−140
−160
100
110
120
130
140
150
Right In: -67.927+/-1.278 χ²/NDF: 534.0/15
Left Out: -46.316+/-1.022 χ²/NDF:196.6/8
Right Out: -59.428+/-1.184 χ²/NDF: 794.9/18
Left In: -43.488+/-1.120 χ²/NDF:54.6/6
Left: -45.031+/-0.755 χ²/NDF: 254.7/15
Right: -63.353+/-0.869 χ²/NDF: 1352.7/34
In: -54.099+/-0.842 χ²/NDF:795.6/22
Out: -51.912+/-0.774 χ²/NDF:1061.7/27
All: -52.913+/-0.570 χ²/NDF: 1860.9/50

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 98.377+/-0.066 χ^2/NDF: 228419.7/15

Left Out: 111.695+/-0.052 χ^2/NDF:17501.3/8

Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 109.802+/-0.055 χ^2/NDF:12688.5/6

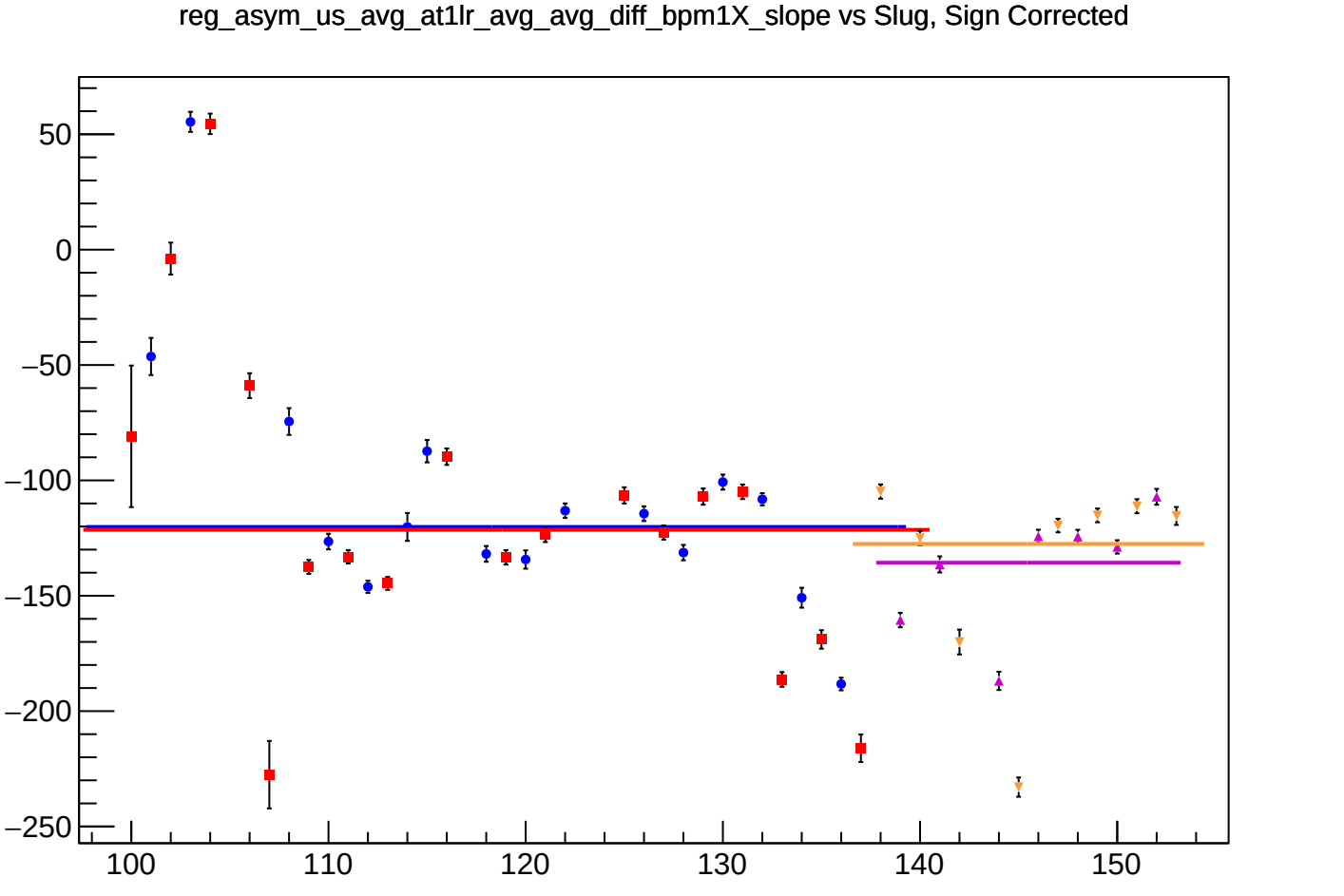
Left: 110.803+/-0.038 χ^2/NDF: 30820.3/15

Right: 90.854+/-0.045 χ^2/NDF: 521250.8/34

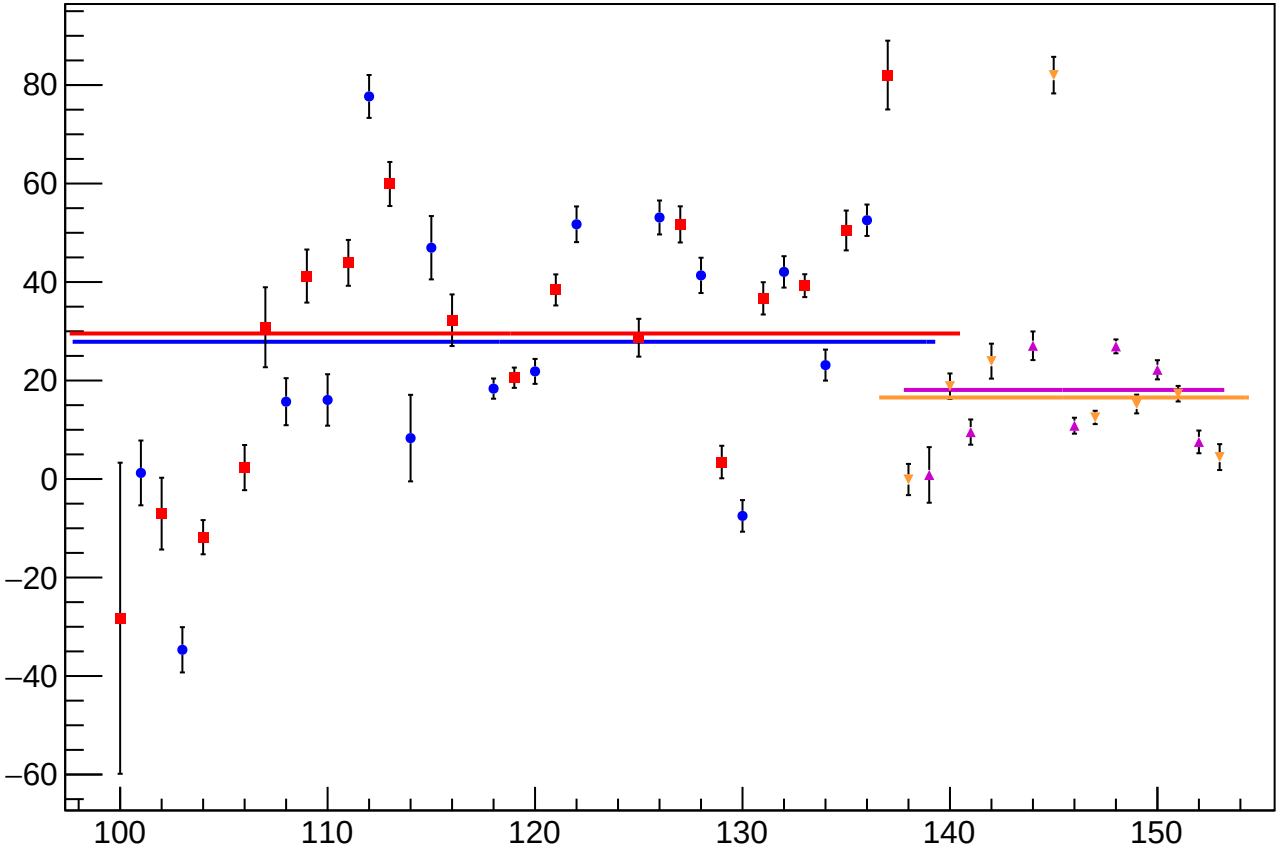
In: 105.139+/-0.042 χ^2/NDF:258820.8/22

Out: 100.238+/-0.039 χ^2/NDF:402701.1/27

All: 102.518+/-0.029 χ^2/NDF: 668736.2/50


reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
−250
100
110
120
130
140
150
Right In: -120.177+/-0.891 χ²/NDF: 2691.2/15
Left Out: -127.540+/-1.196 χ²/NDF:813.0/7
Right Out: -121.418+/-0.875 χ²/NDF: 3126.3/17
Left In: -135.688+/-1.213 χ²/NDF:334.7/6
Left: -131.557+/-0.851 χ²/NDF: 1170.5/14
Right: -120.808+/-0.624 χ²/NDF: 5818.5/33
In: -125.611+/-0.718 χ²/NDF:3132.2/22
Out: -123.554+/-0.706 χ²/NDF:3956.4/25
All: -124.566+/-0.503 χ²/NDF: 7092.7/48

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 27.872+/-0.888 χ^2/NDF: 699.6/15

Left Out: 16.557+/-0.753 χ^2/NDF:374.1/7

Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 18.091+/-0.782 χ^2/NDF:114.8/6

Left: 17.296+/-0.542 χ^2/NDF: 490.9/14

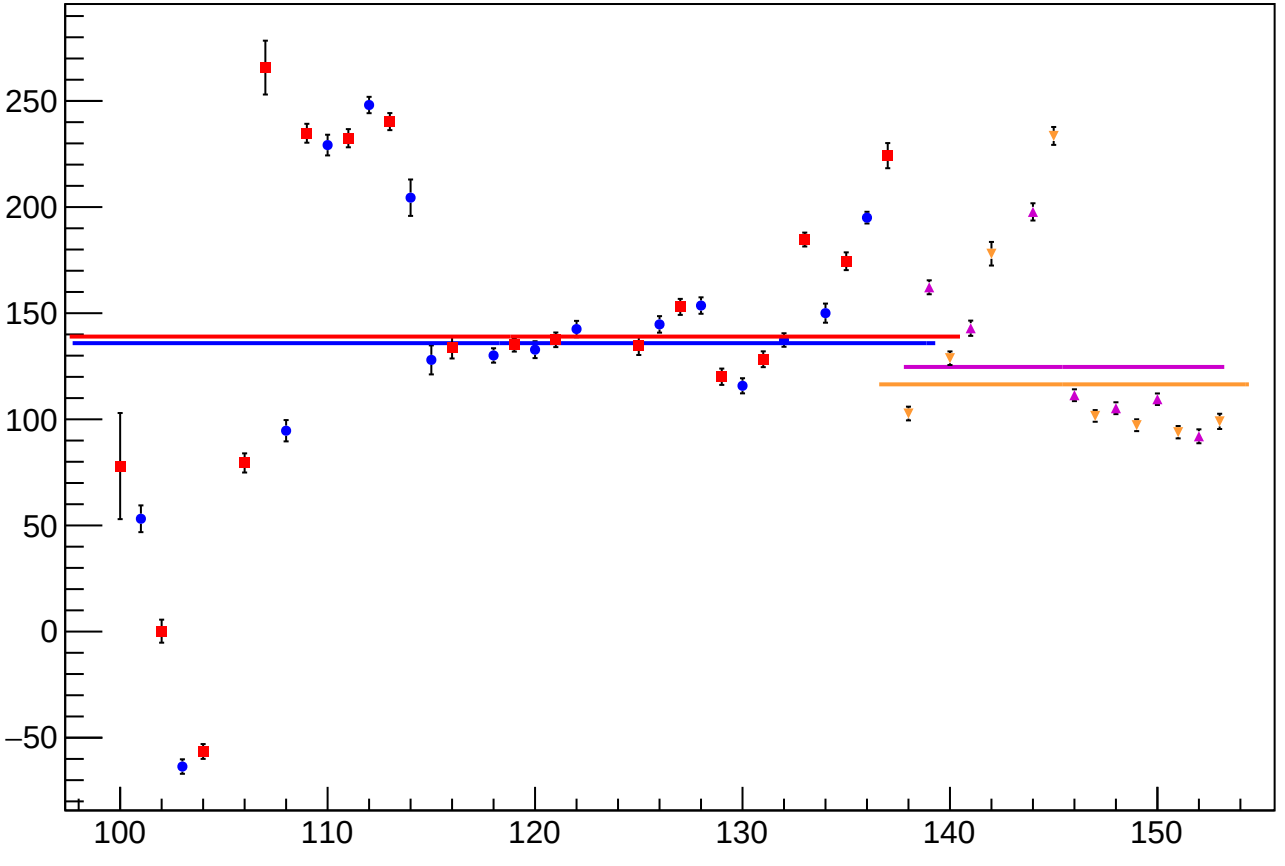
Right: 28.711+/-0.629 χ^2/NDF: 1198.9/33

In: 22.359+/-0.587 χ^2/NDF:882.8/22

Out: 21.982+/-0.575 χ^2/NDF:995.9/25

All: 22.167+/-0.411 χ^2/NDF: 1878.9/48

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: 116.474+/-1.164 χ^2/NDF:1084.8/7

Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 124.680+/-1.181 χ^2/NDF:681.0/6

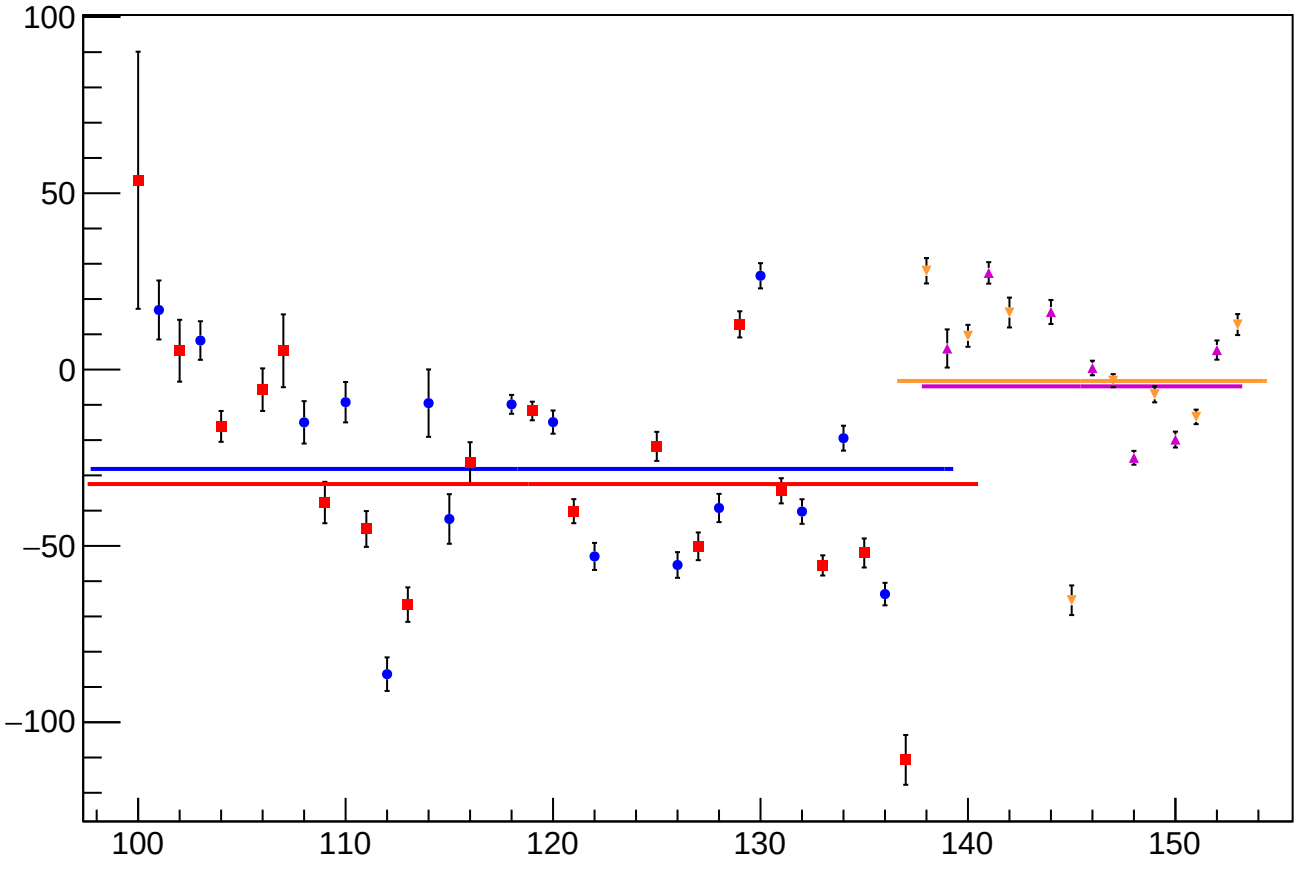
Left: 120.517+/-0.829 χ^2/NDF: 1790.3/14

Right: 137.434+/-0.706 χ^2/NDF: 11624.9/33

In: 131.214+/-0.763 χ^2/NDF:6197.1/22

Out: 129.447+/-0.758 χ^2/NDF:7456.7/25

All: 130.325+/-0.538 χ^2/NDF: 13656.5/48



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: -3.225+/-0.944 χ^2/NDF:388.2/7

Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: -4.758+/-0.974 χ^2/NDF:325.8/6

Left: -3.968+/-0.678 χ^2/NDF: 715.3/14

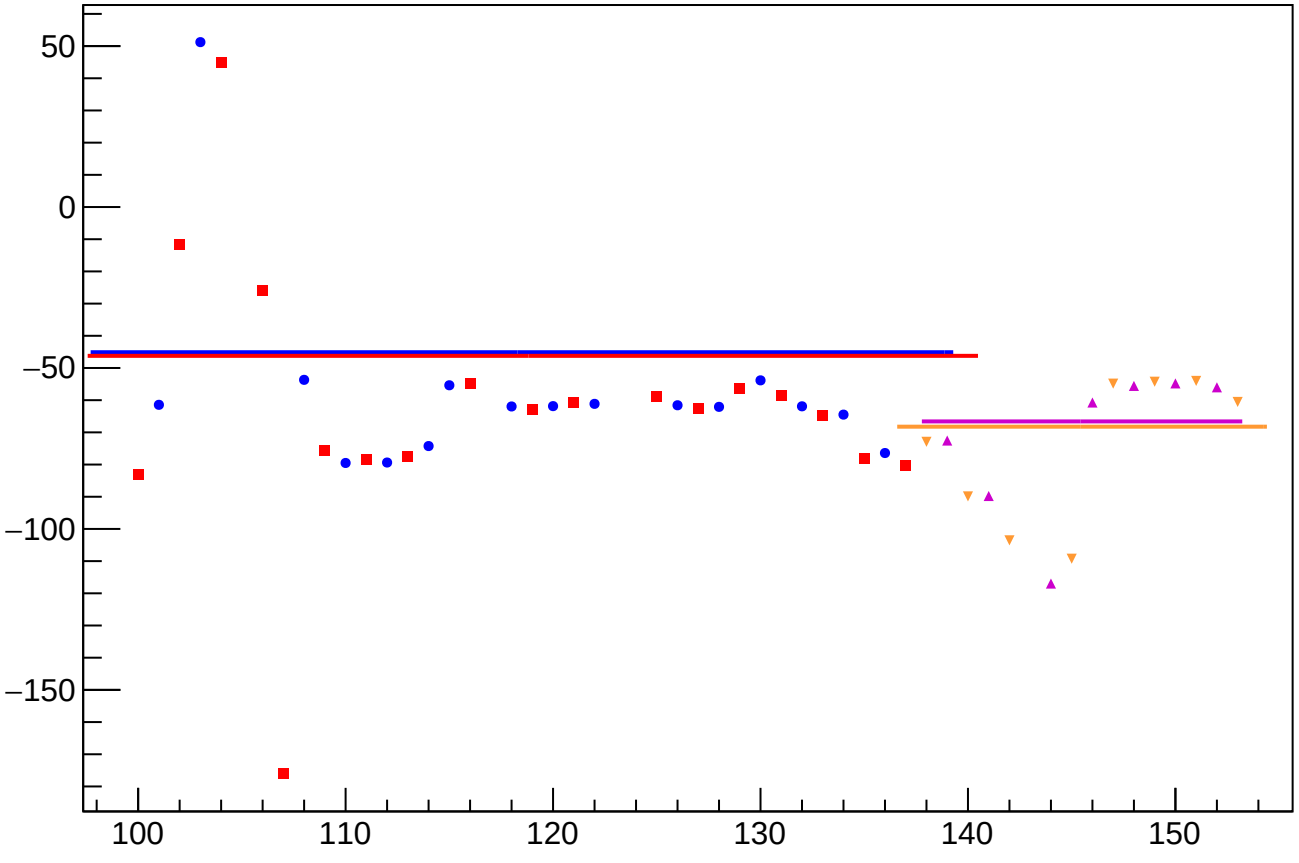
Right: -30.307+/-0.725 χ^2/NDF: 1380.8/33

In: -15.902+/-0.705 χ^2/NDF:1392.1/22

Out: -16.609+/-0.695 χ^2/NDF:1408.1/25

All: -16.261+/-0.495 χ^2/NDF: 2800.6/48

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: -68.234+/-0.047 χ^2/NDF:154721.7/7

Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

Left In: -66.600+/-0.047 χ^2/NDF:135048.2/6

Left: -67.411+/-0.033 χ^2/NDF: 290370.5/14

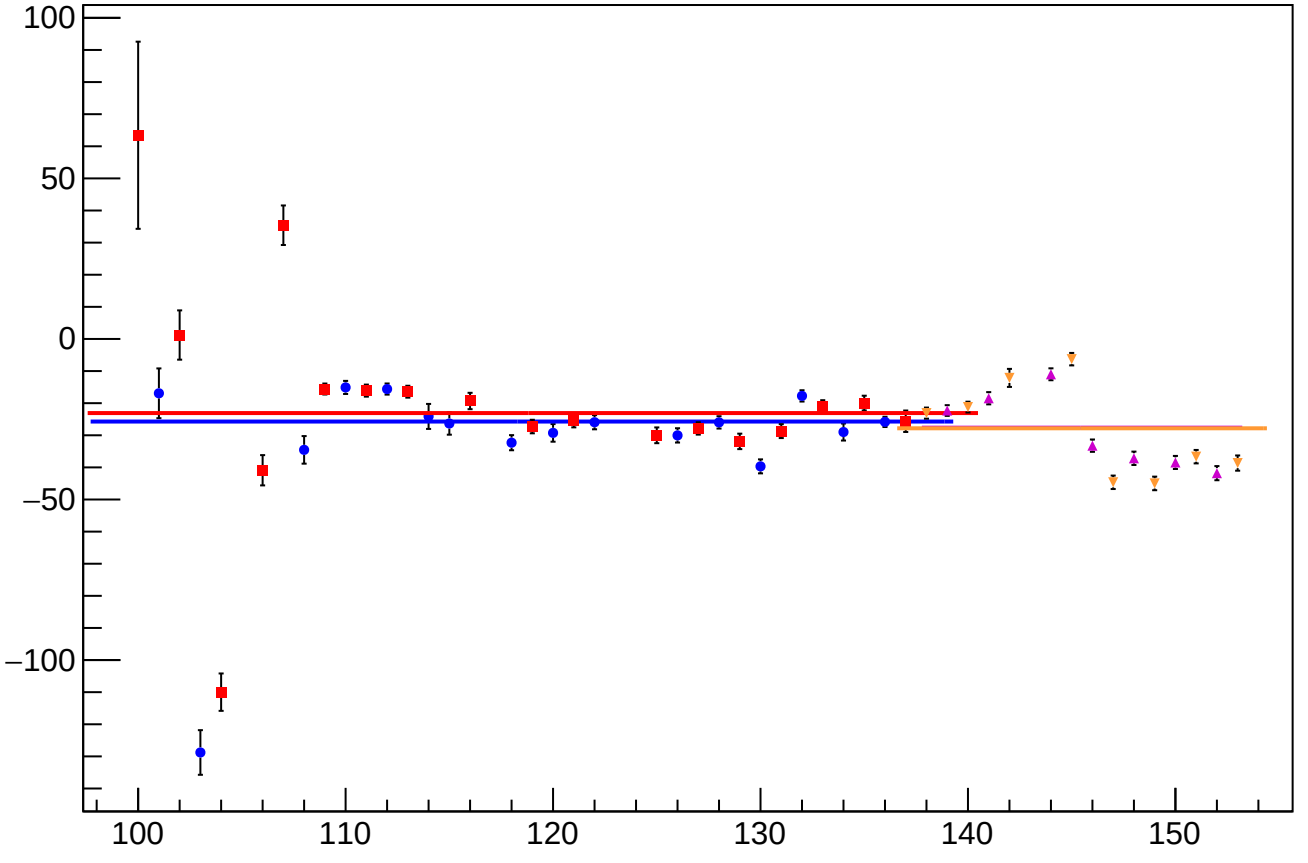
Right: -45.645+/-0.043 χ^2/NDF: 1068967.9/33

In: -58.453+/-0.037 χ^2/NDF:789570.9/22

Out: -60.235+/-0.038 χ^2/NDF:727017.8/25

All: -59.327+/-0.026 χ^2/NDF: 1517724.1/48

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: -27.823+/-0.718 χ^2/NDF:346.2/7

Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -27.628+/-0.731 χ^2/NDF:212.5/6

Left: -27.727+/-0.512 χ^2/NDF: 558.7/14

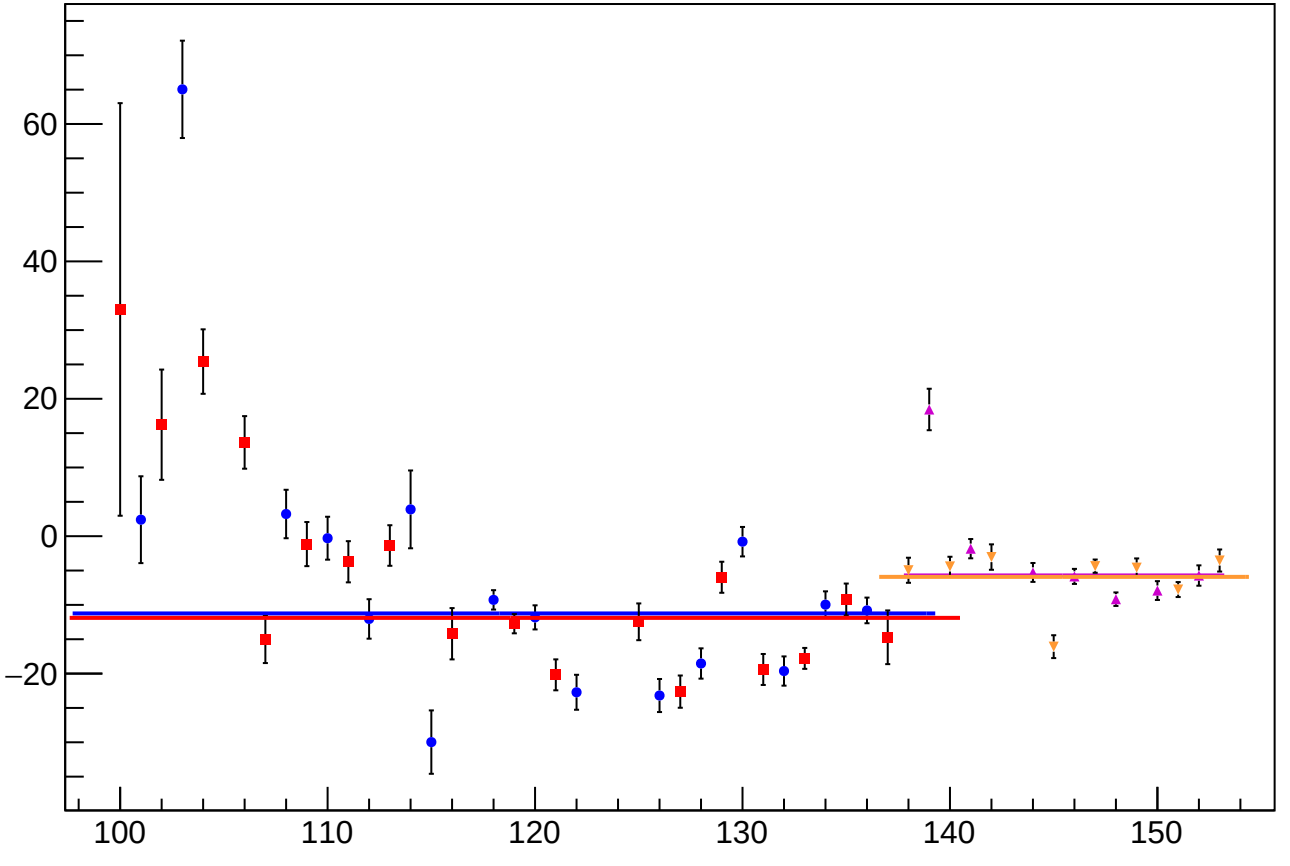
Right: -24.381+/-0.414 χ^2/NDF: 810.3/33

In: -26.474+/-0.459 χ^2/NDF:579.6/22

Out: -24.958+/-0.452 χ^2/NDF:809.6/25

All: -25.704+/-0.322 χ^2/NDF: 1394.7/48

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -11.246+/-0.600 χ^2/NDF: 271.1/15

Left Out: -5.922+/-0.482 χ^2/NDF:49.8/7

Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: -5.715+/-0.500 χ^2/NDF:86.8/6

Left: -5.822+/-0.347 χ^2/NDF: 136.7/14

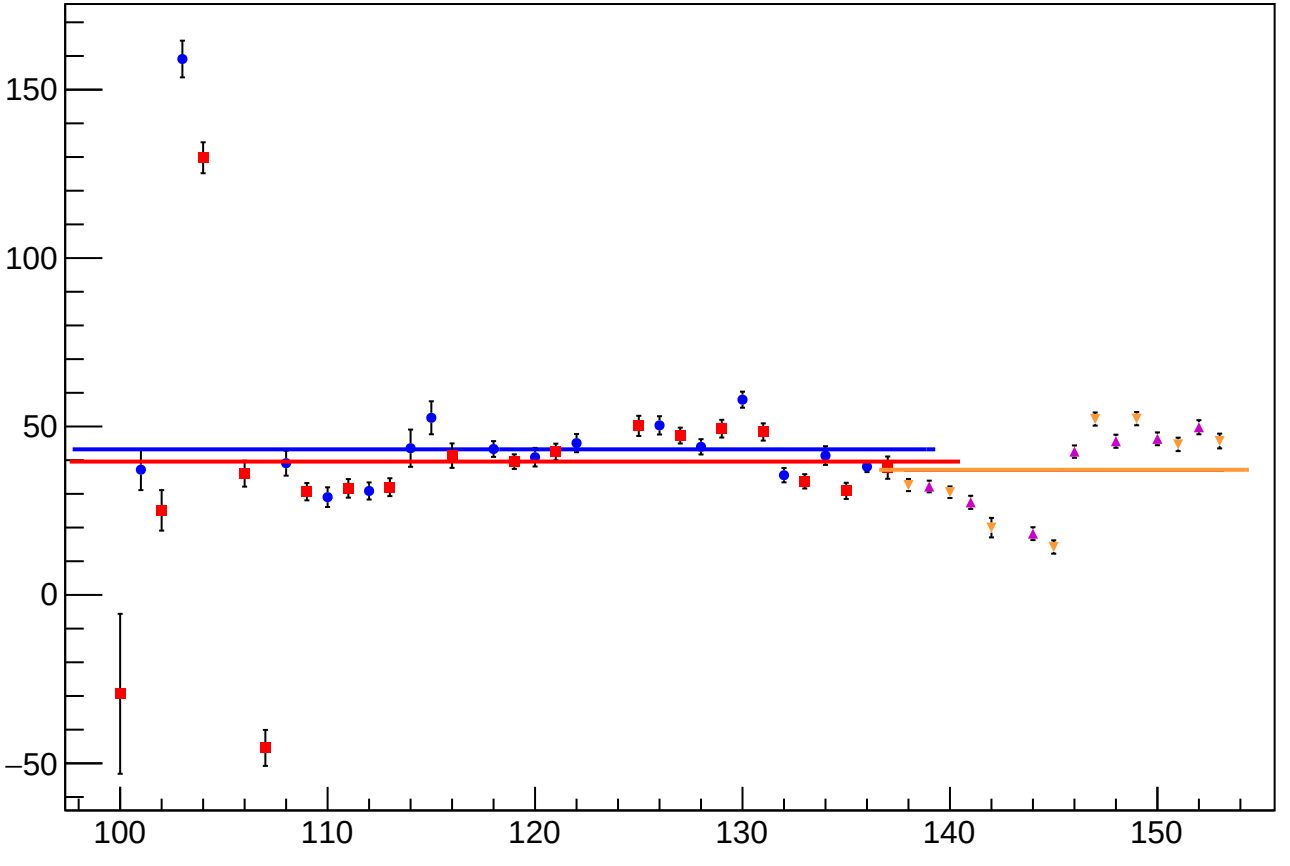
Right: -11.564+/-0.427 χ^2/NDF: 496.1/33

In: -7.982+/-0.384 χ^2/NDF:408.0/22

Out: -8.229+/-0.377 χ^2/NDF:333.6/25

All: -8.108+/-0.269 χ^2/NDF: 741.8/48

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 43.222+/-0.678 χ^2/NDF: 576.0/15

Left Out: 37.147+/-0.709 χ^2/NDF:338.2/7

Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

Left In: 37.088+/-0.721 χ^2/NDF:217.8/6

Left: 37.118+/-0.505 χ^2/NDF: 556.0/14

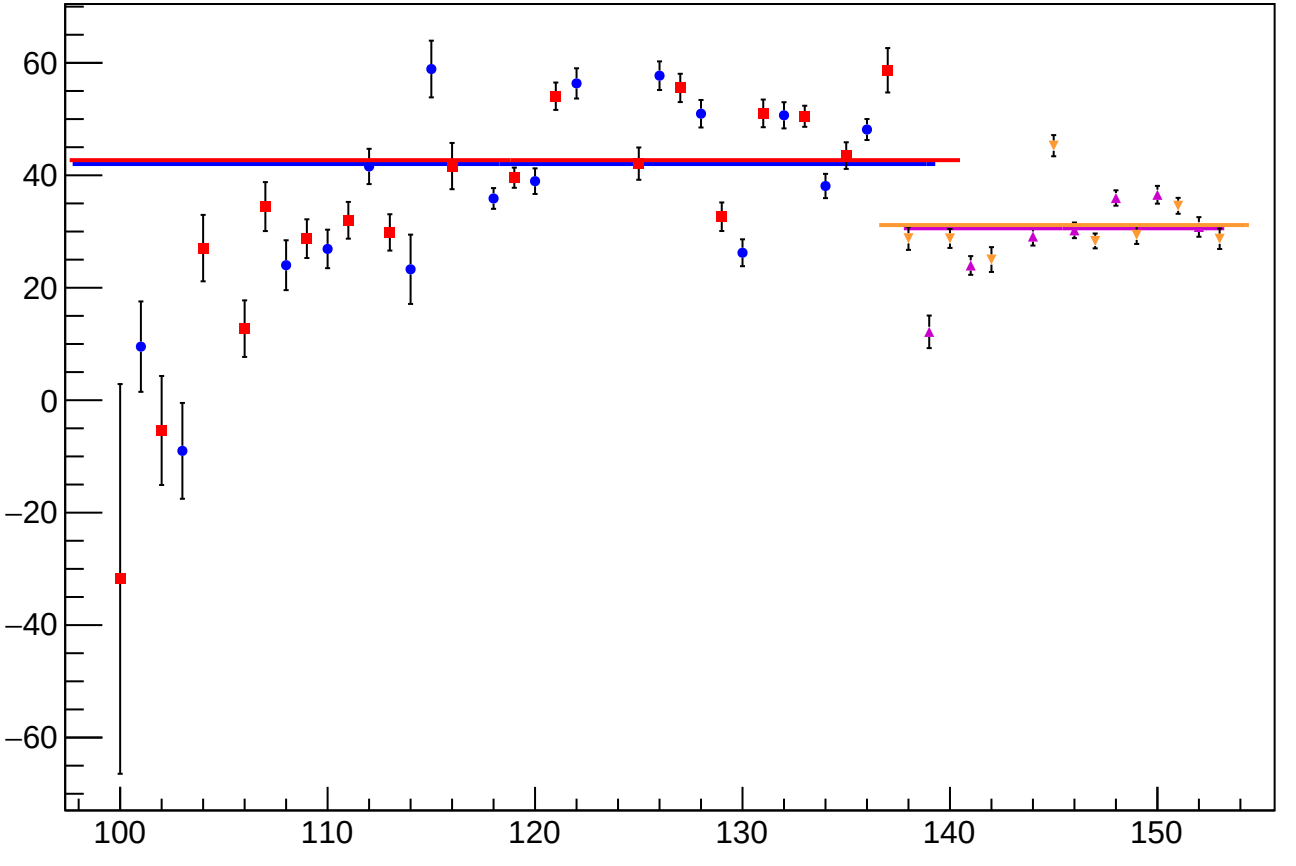
Right: 41.422+/-0.482 χ^2/NDF: 1344.2/33

In: 40.342+/-0.494 χ^2/NDF:832.2/22

Out: 38.409+/-0.492 χ^2/NDF:1098.3/25

All: 39.372+/-0.349 χ^2/NDF: 1938.2/48

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: 31.152+/-0.595 χ^2/NDF:80.5/7

Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 30.575+/-0.615 χ^2/NDF:86.8/6

Left: 30.873+/-0.427 χ^2/NDF: 167.8/14

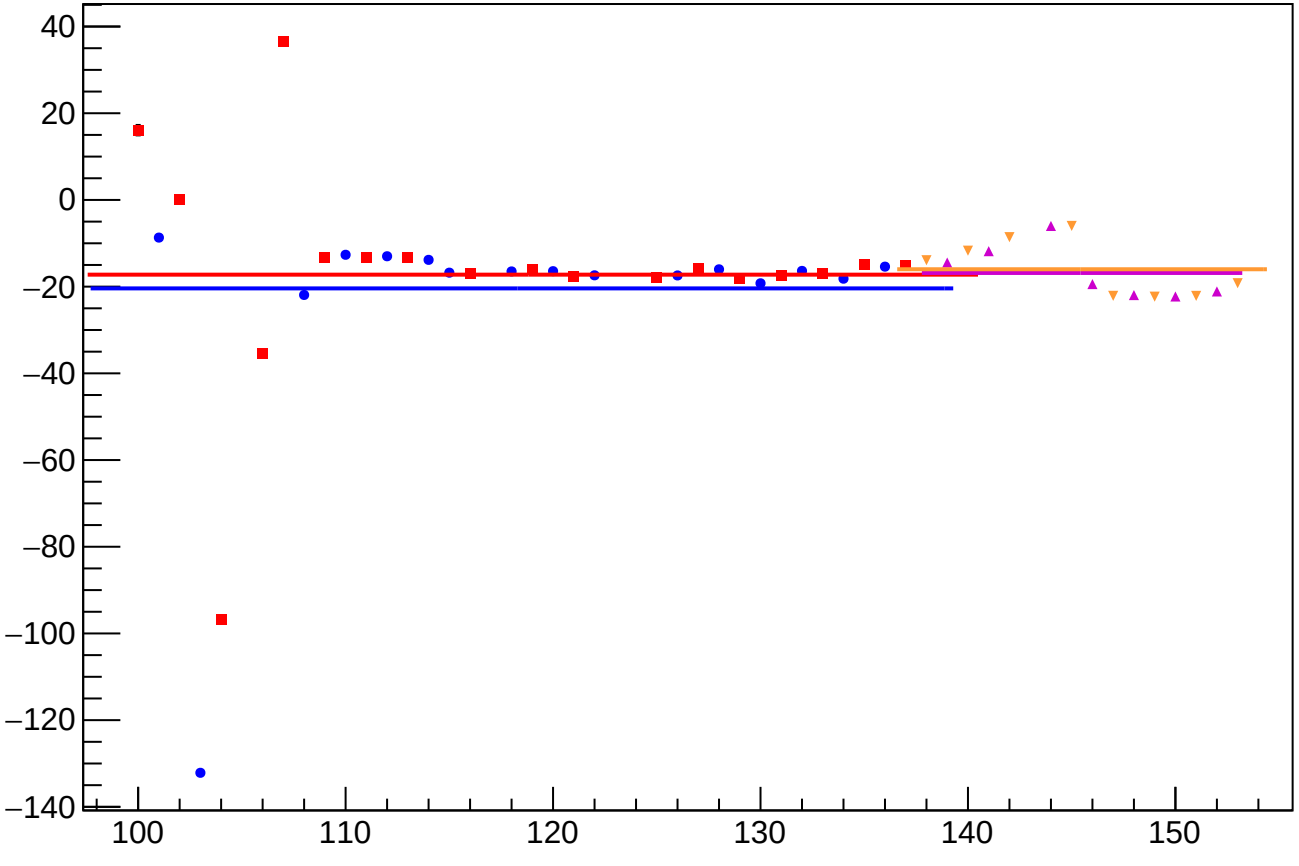
Right: 42.345+/-0.487 χ^2/NDF: 503.5/33

In: 35.685+/-0.457 χ^2/NDF:514.1/22

Out: 36.032+/-0.452 χ^2/NDF:470.2/25

All: 35.860+/-0.321 χ^2/NDF: 984.6/48

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: -15.989+/-0.029 χ^2/NDF:43137.2/7

Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

Left In: -16.843+/-0.029 χ^2/NDF:35007.3/6

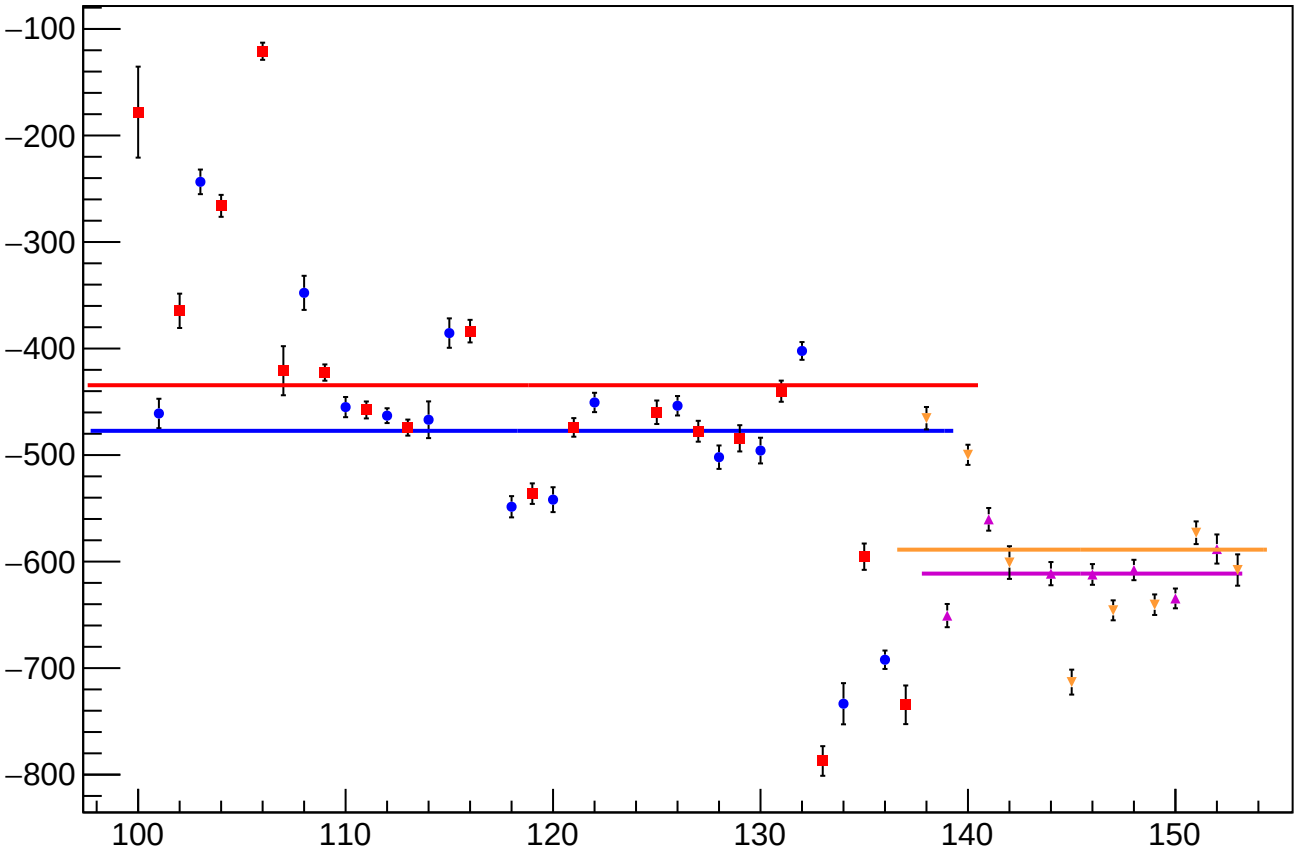
Left: -16.415+/-0.020 χ^2/NDF: 78588.8/14

Right: -18.901+/-0.030 χ^2/NDF: 452982.8/33

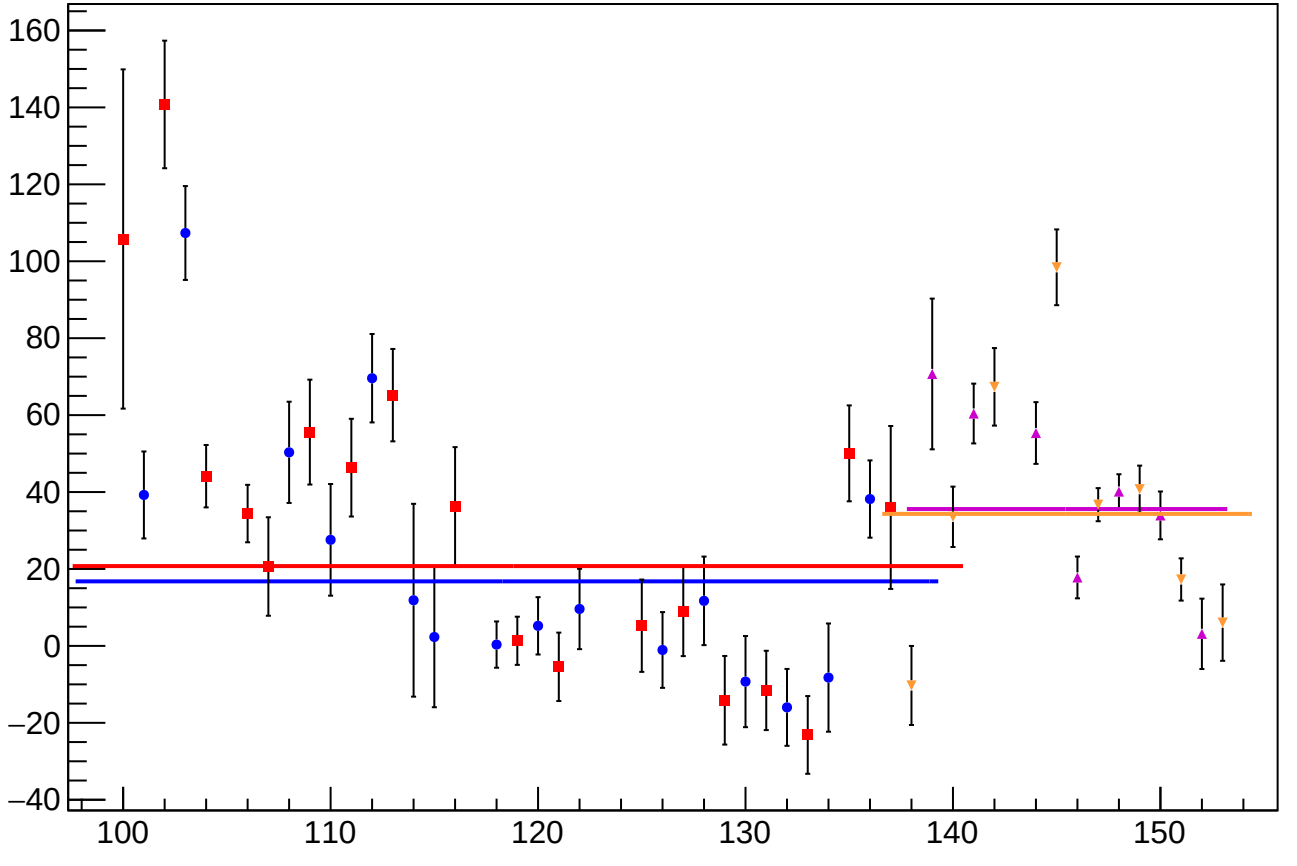
In: -17.978+/-0.024 χ^2/NDF:285542.3/22

Out: -16.359+/-0.024 χ^2/NDF:248357.1/25

All: -17.180+/-0.017 χ^2/NDF: 536207.9/48


reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−100
−200
−300
−400
−500
−600
−700
−800
100
110
120
130
140
150
Right In: -477.255+/-2.633 χ²/NDF: 1510.8/15
Left Out: -588.794+/-3.854 χ²/NDF:409.3/7
Right Out: -434.437+/-2.464 χ²/NDF: 3161.9/17
Left In: -611.281+/-3.950 χ²/NDF:45.3/6
Left: -599.761+/-2.759 χ²/NDF: 471.2/14
Right: -454.426+/-1.799 χ²/NDF: 4813.7/33
In: -518.488+/-2.191 χ²/NDF:2353.2/22
Out: -479.220+/-2.076 χ²/NDF:4709.9/25
All: -497.796+/-1.507 χ²/NDF: 7232.3/48

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: 34.319+/-2.427 χ^2/NDF:91.1/7

Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

Left In: 35.585+/-2.534 χ^2/NDF:43.9/6

Left: 34.925+/-1.753 χ^2/NDF: 135.1/14

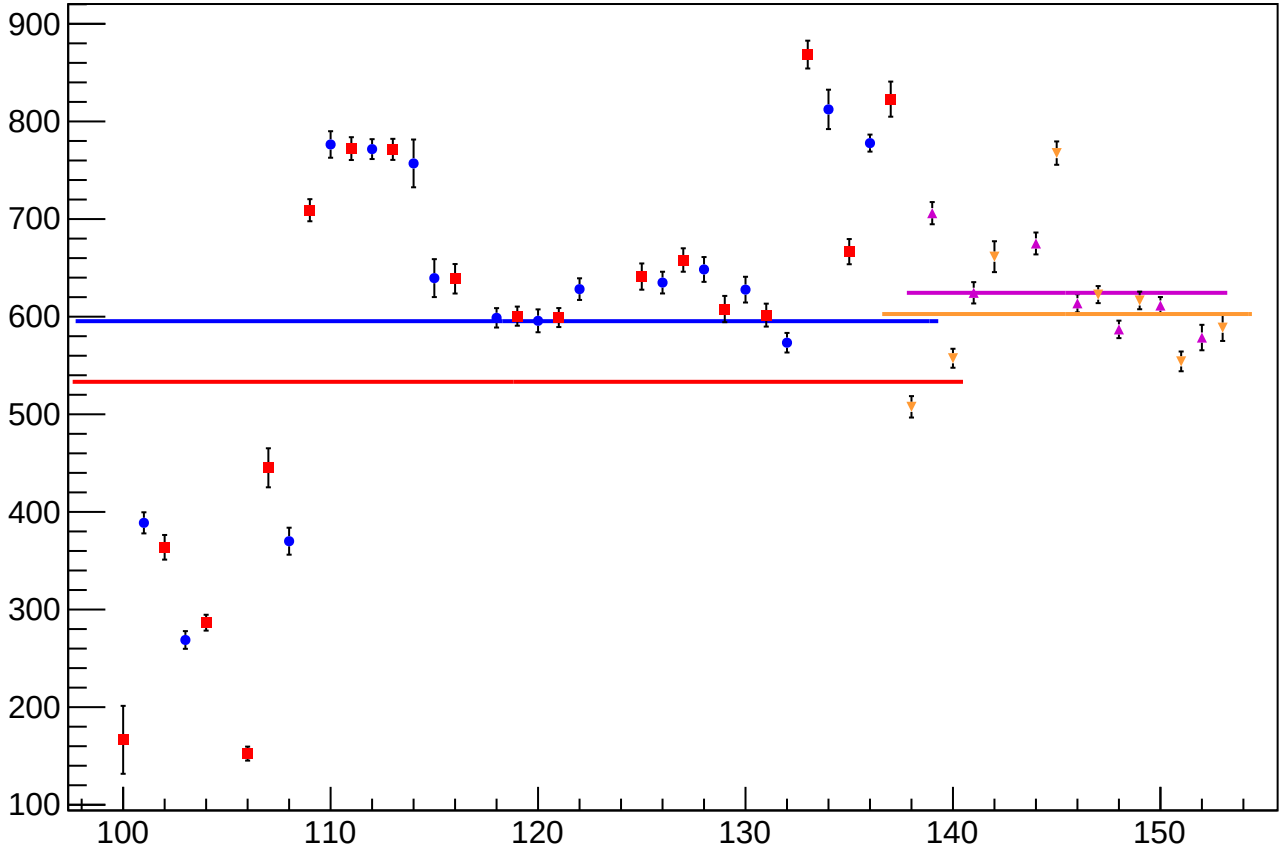
Right: 18.845+/-1.838 χ^2/NDF: 284.1/33

In: 26.618+/-1.833 χ^2/NDF:195.1/22

Out: 27.864+/-1.758 χ^2/NDF:263.9/25

All: 27.267+/-1.269 χ^2/NDF: 459.2/48

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: 602.722+/-3.768 χ^2/NDF:332.0/7

Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 624.442+/-3.856 χ^2/NDF:105.3/6

Left: 613.331+/-2.695 χ^2/NDF: 453.5/14

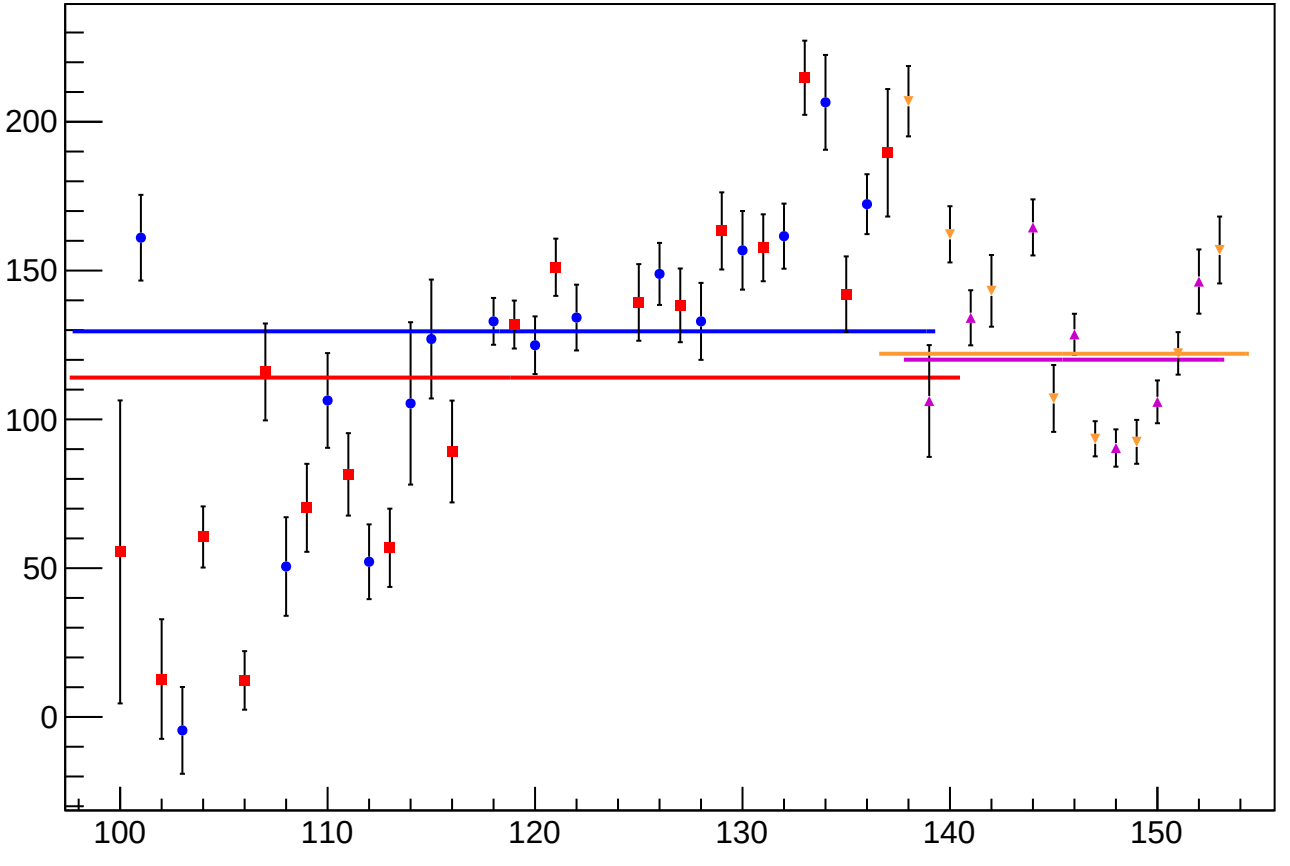
Right: 562.337+/-2.003 χ^2/NDF: 9802.0/33

In: 606.034+/-2.333 χ^2/NDF:3201.0/22

Out: 557.371+/-2.219 χ^2/NDF:7056.7/25

All: 580.490+/-1.608 χ^2/NDF: 10486.1/48

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: 122.053+/-3.046 χ^2/NDF:123.6/7

Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 120.056+/-3.162 χ^2/NDF:58.9/6

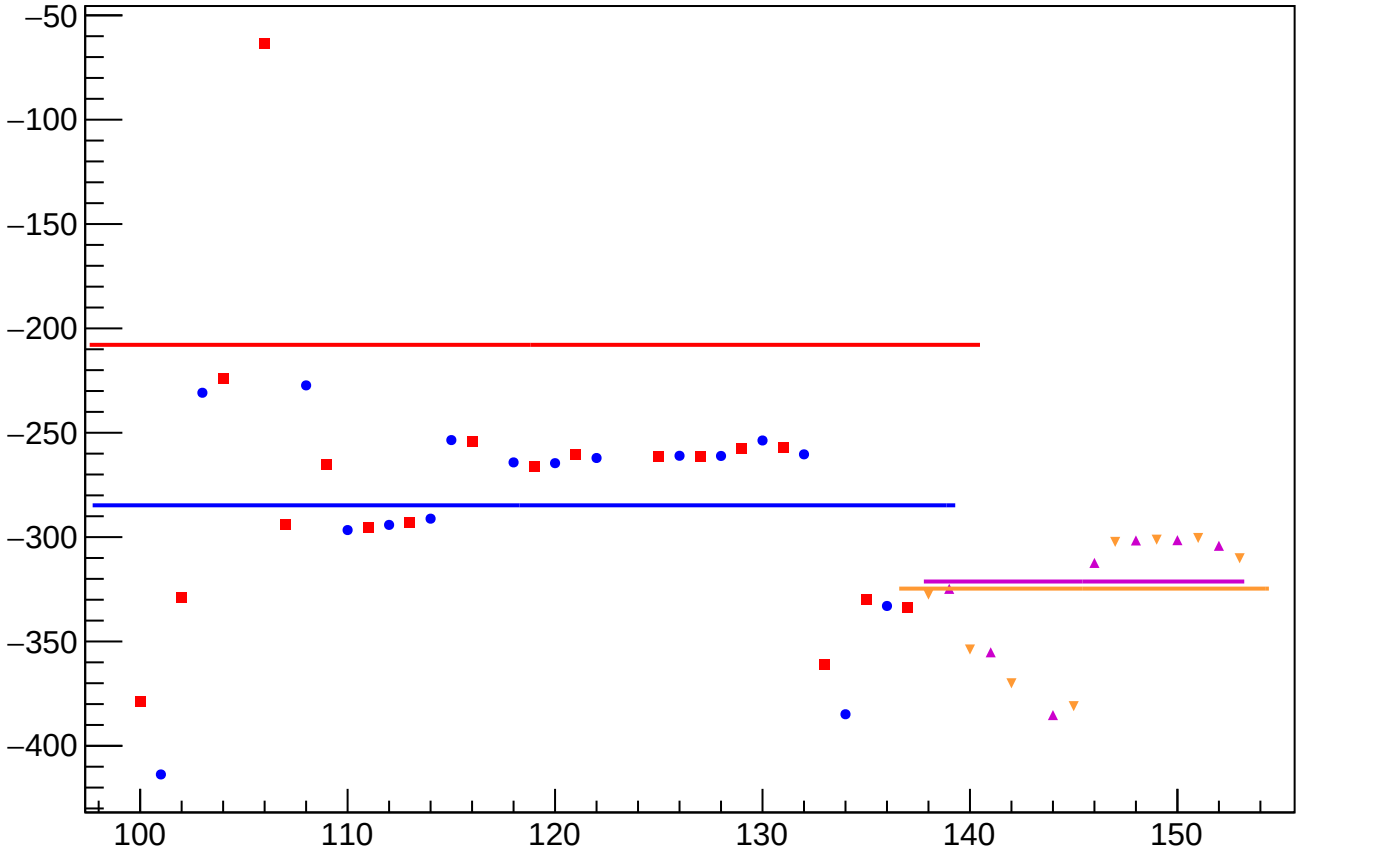
Left: 121.092+/-2.194 χ^2/NDF: 182.7/14

Right: 121.549+/-2.140 χ^2/NDF: 560.3/33

In: 124.945+/-2.207 χ^2/NDF:274.8/22

Out: 117.958+/-2.129 χ^2/NDF:463.1/25

All: 121.326+/-1.532 χ^2/NDF: 743.1/48



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -324.671+/-0.155 χ^2/NDF:35281.2/7

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

Left In: -321.272+/-0.155 χ^2/NDF:29962.9/6

Left: -322.972+/-0.110 χ^2/NDF: 65484.0/14

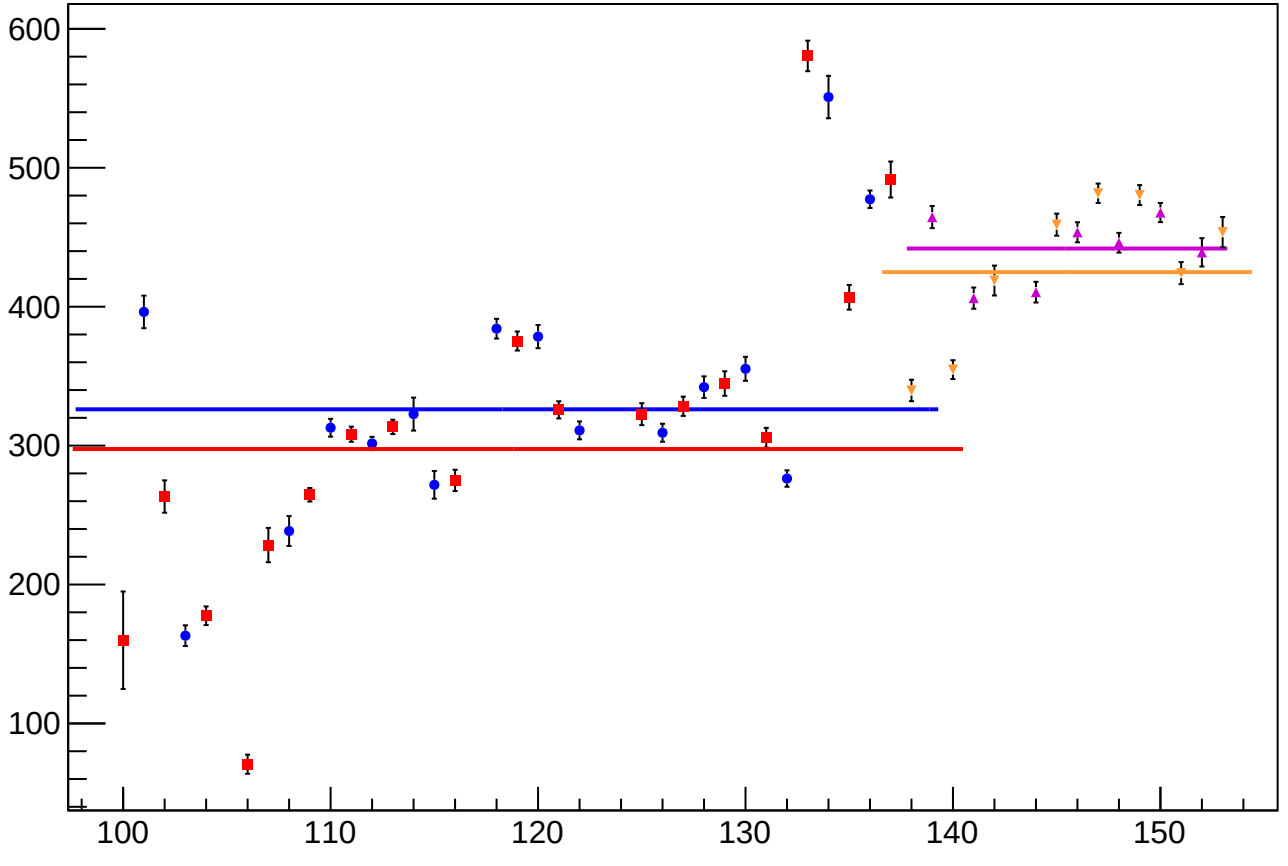
Right: -239.608+/-0.114 χ^2/NDF: 751214.9/33

In: -305.461+/-0.117 χ^2/NDF:158300.2/22

Out: -263.843+/-0.107 χ^2/NDF:867057.1/25

All: -282.904+/-0.079 χ^2/NDF: 1094112.7/48

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 326.133+/-1.857 χ^2/NDF: 1642.9/15

Left Out: 424.909+/-2.803 χ^2/NDF:380.6/7

Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 441.874+/-2.879 χ^2/NDF:64.9/6

Left: 433.164+/-2.008 χ^2/NDF: 463.4/14

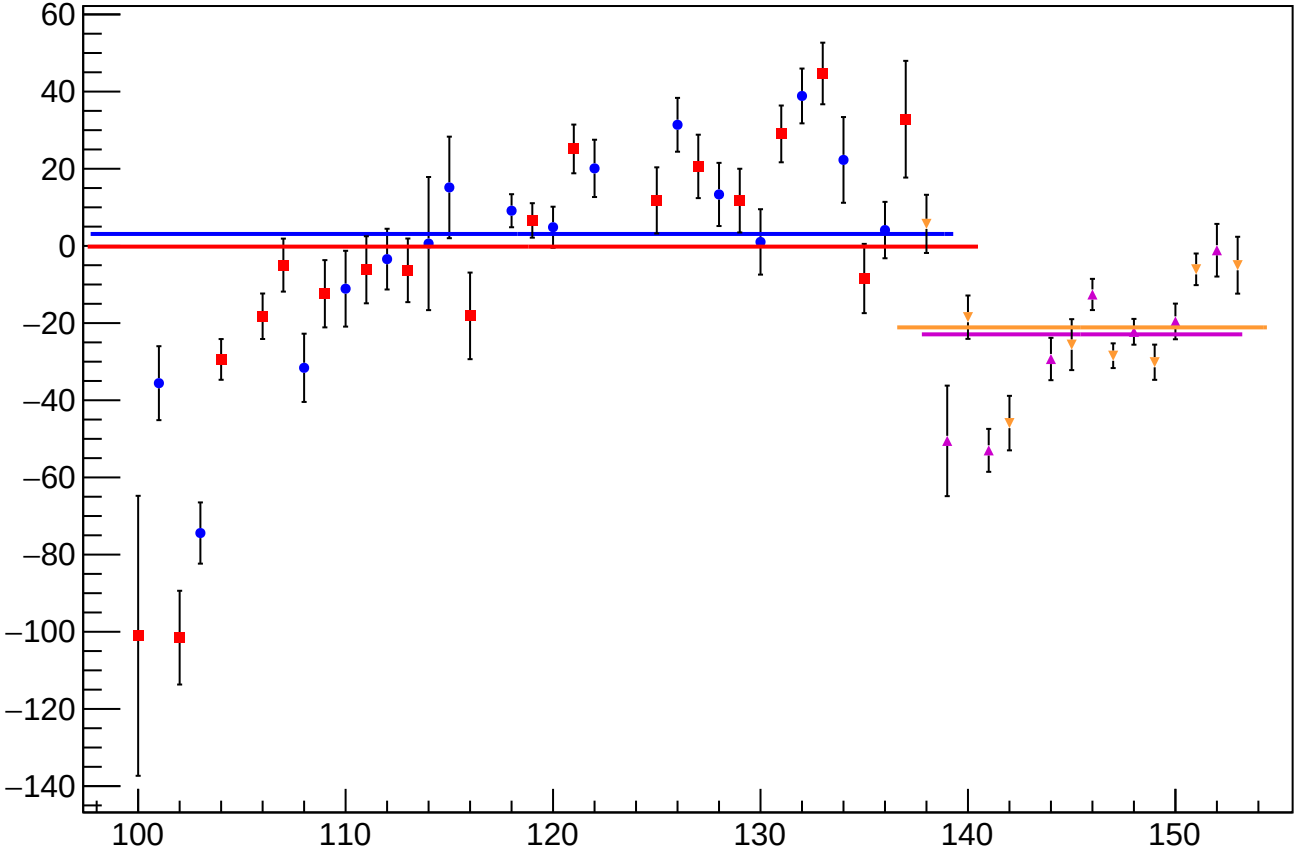
Right: 310.864+/-1.268 χ^2/NDF: 4545.0/33

In: 360.128+/-1.560 χ^2/NDF:2849.1/22

Out: 332.810+/-1.475 χ^2/NDF:4649.1/25

All: 345.701+/-1.072 χ^2/NDF: 7660.1/48

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.101+/-1.892 χ^2/NDF: 184.5/15

Left Out: -21.111+/-1.780 χ^2/NDF:53.1/7

Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -22.918+/-1.859 χ^2/NDF:51.6/6

Left: -21.975+/-1.286 χ^2/NDF: 105.2/14

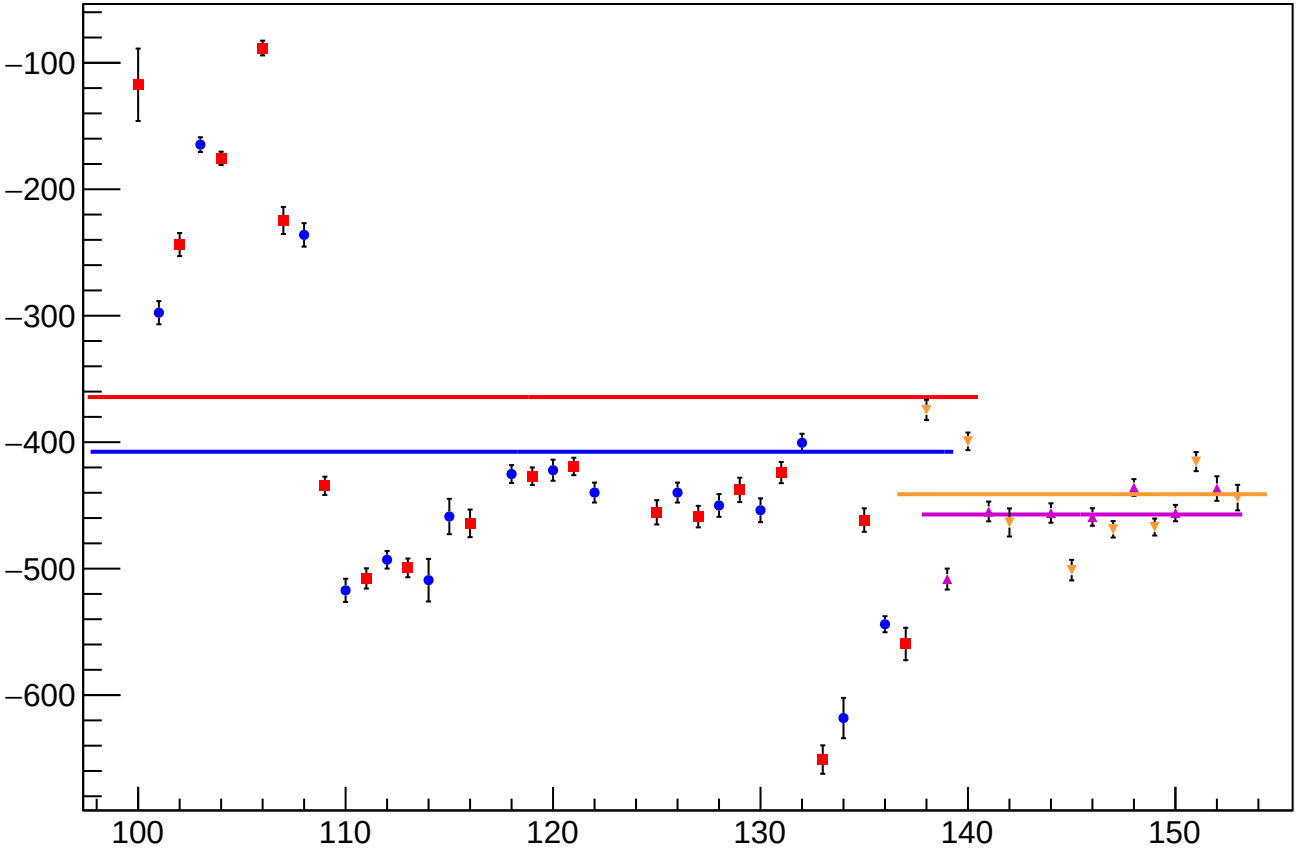
Right: 1.370+/-1.301 χ^2/NDF: 391.3/33

In: -10.137+/-1.326 χ^2/NDF:332.3/22

Out: -10.712+/-1.262 χ^2/NDF:327.0/25

All: -10.439+/-0.914 χ^2/NDF: 659.4/48

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

Left Out: -441.175+/-2.747 χ^2/NDF:207.9/7

Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -457.164+/-2.816 χ^2/NDF:52.9/6

Left: -448.972+/-1.966 χ^2/NDF: 277.3/14

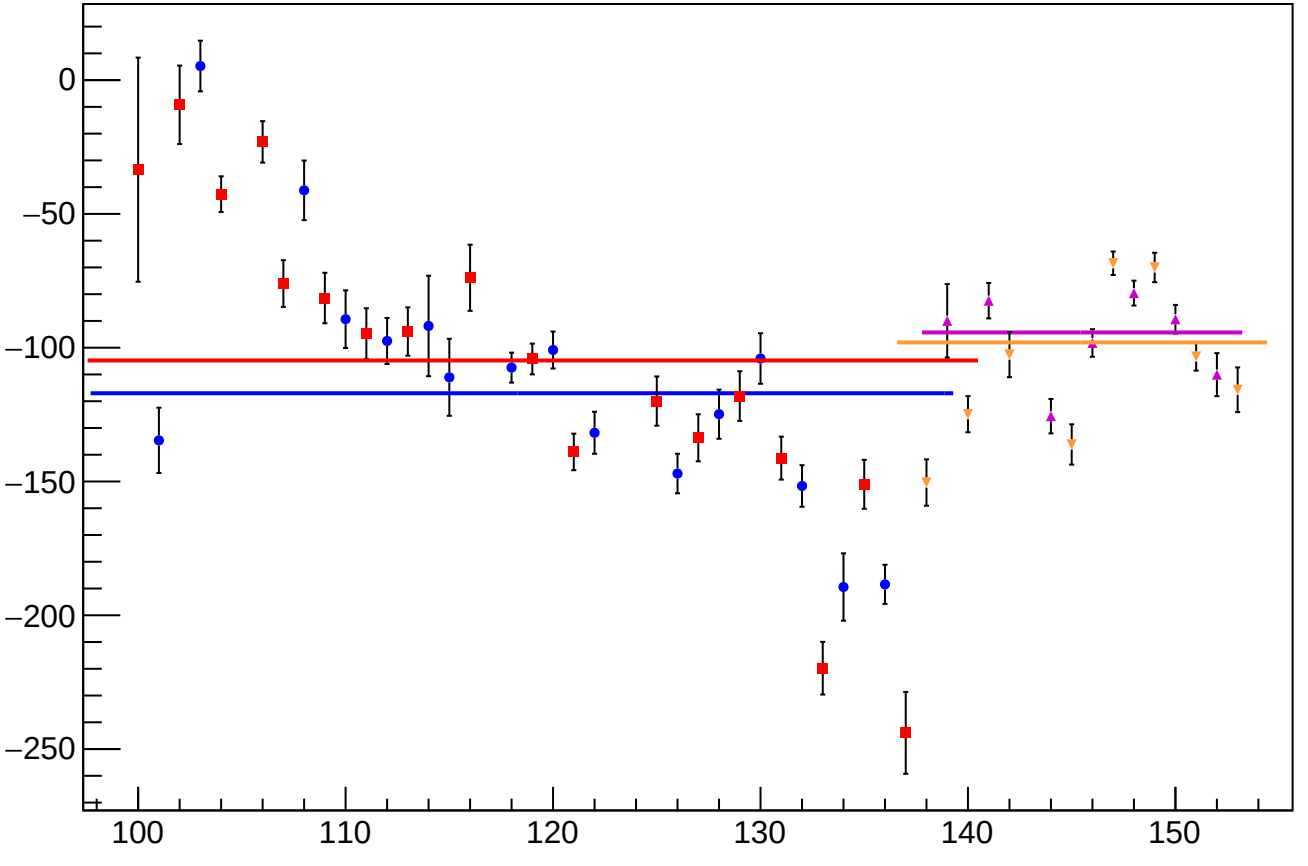
Right: -384.535+/-1.418 χ^2/NDF: 9732.7/33

In: -425.011+/-1.670 χ^2/NDF:3534.5/22

Out: -389.937+/-1.586 χ^2/NDF:6950.0/25

All: -406.571+/-1.150 χ^2/NDF: 10716.5/48

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -98.028+/-2.228 χ^2/NDF:154.9/7

Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -94.306+/-2.315 χ^2/NDF:42.2/6

Left: -96.238+/-1.606 χ^2/NDF: 198.4/14

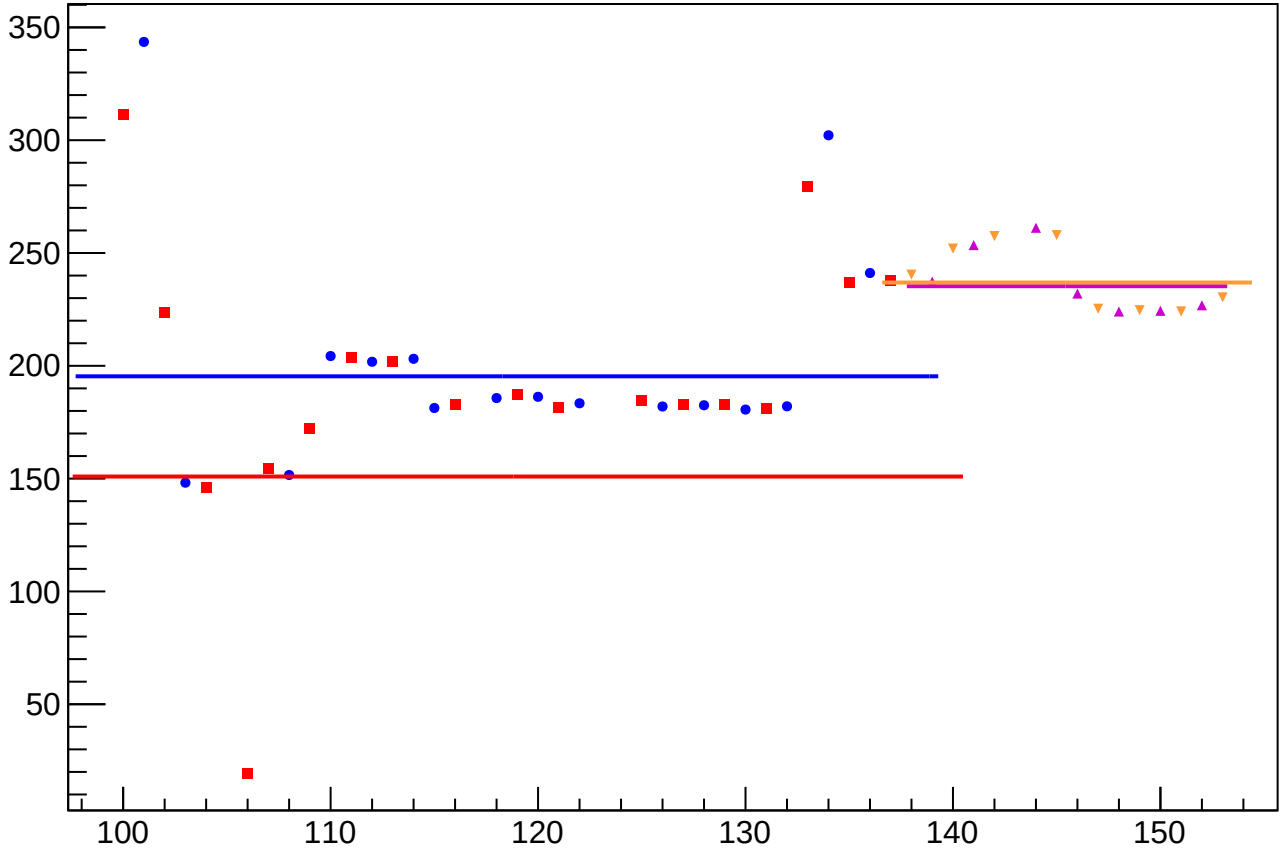
Right: -110.605+/-1.514 χ^2/NDF: 999.2/33

In: -106.273+/-1.593 χ^2/NDF:500.7/22

Out: -101.619+/-1.525 χ^2/NDF:734.9/25

All: -103.844+/-1.101 χ^2/NDF: 1240.0/48

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: 236.917+/-0.113 χ^2/NDF:14432.2/7

Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 235.284+/-0.114 χ^2/NDF:13162.4/6

Left: 236.103+/-0.080 χ^2/NDF: 27698.3/14

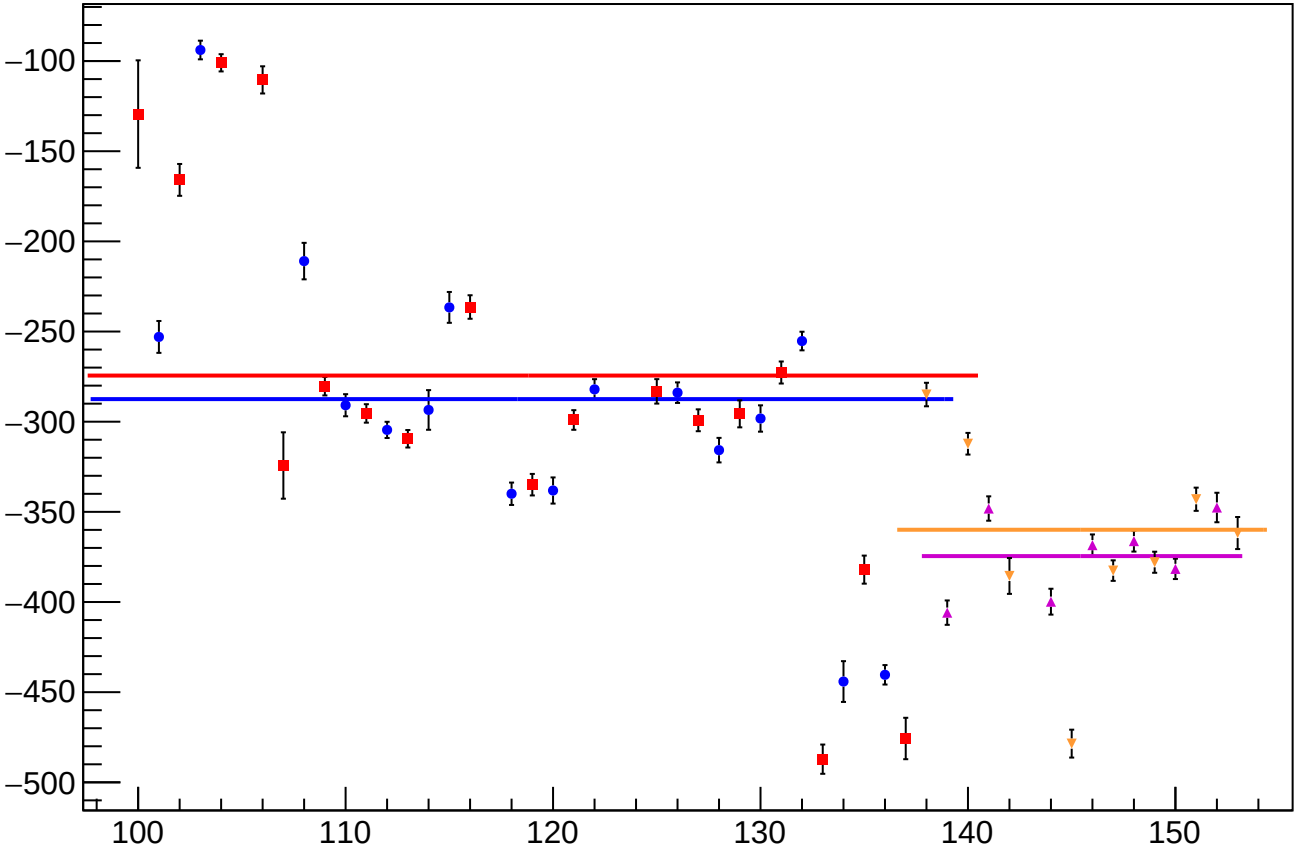
Right: 170.416+/-0.083 χ^2/NDF: 747517.5/33

In: 217.172+/-0.084 χ^2/NDF:246237.5/22

Out: 192.776+/-0.079 χ^2/NDF:810102.1/25

All: 204.226+/-0.058 χ^2/NDF: 1101170.5/48

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: -359.924+/-2.390 χ^2/NDF:469.2/7

Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -374.535+/-2.443 χ^2/NDF:64.7/6

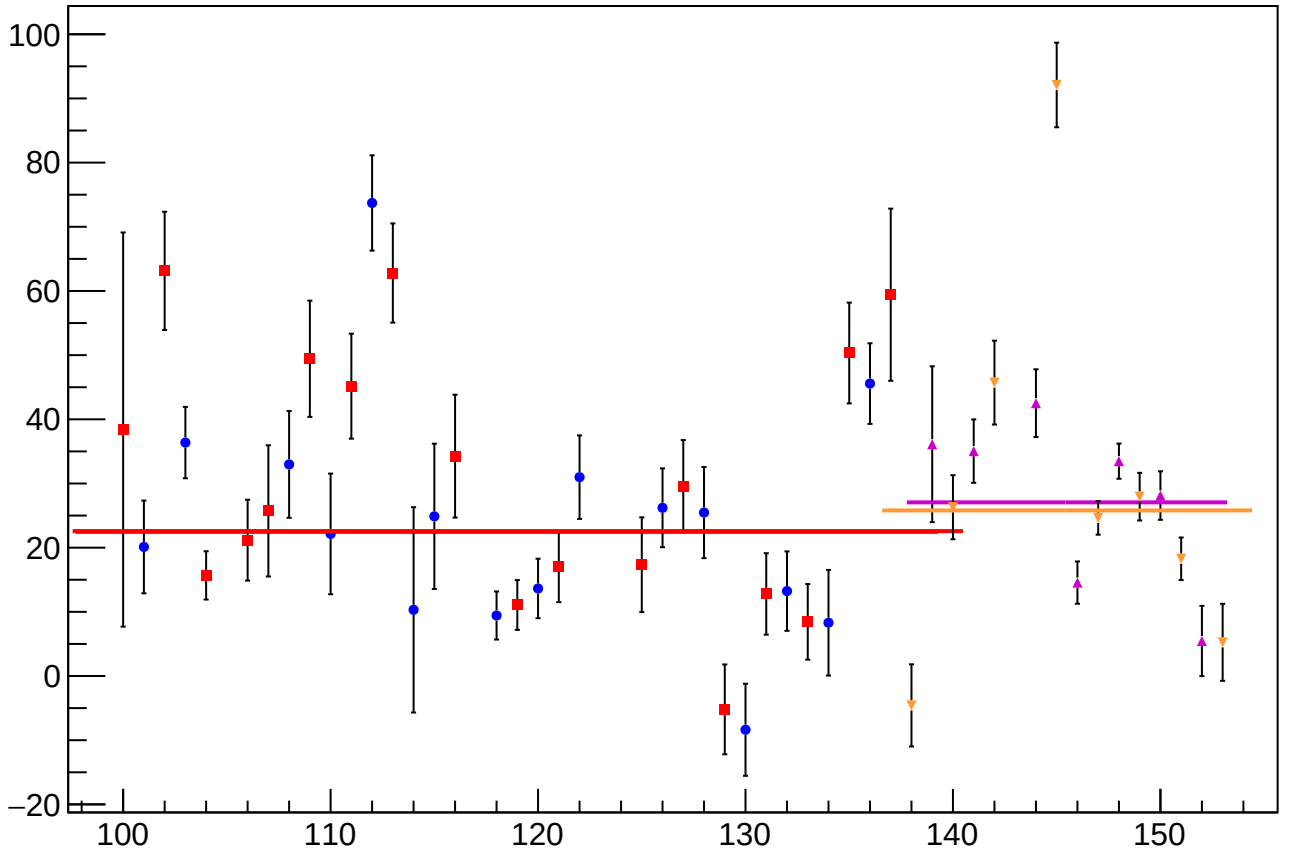
Left: -367.069+/-1.709 χ^2/NDF: 552.2/14

Right: -280.699+/-1.118 χ^2/NDF: 6144.0/33

In: -313.860+/-1.345 χ^2/NDF:3646.0/22

Out: -299.761+/-1.301 χ^2/NDF:4783.1/25

All: -306.577+/-0.935 χ^2/NDF: 8485.8/48



Right In: 22.492+/-1.621 χ^2/NDF: 111.4/15

Left Out: 25.803+/-1.493 χ^2/NDF:150.4/7

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

Left In: 27.060+/-1.557 χ^2/NDF:47.3/6

Left: 26.405+/-1.078 χ^2/NDF: 198.0/14

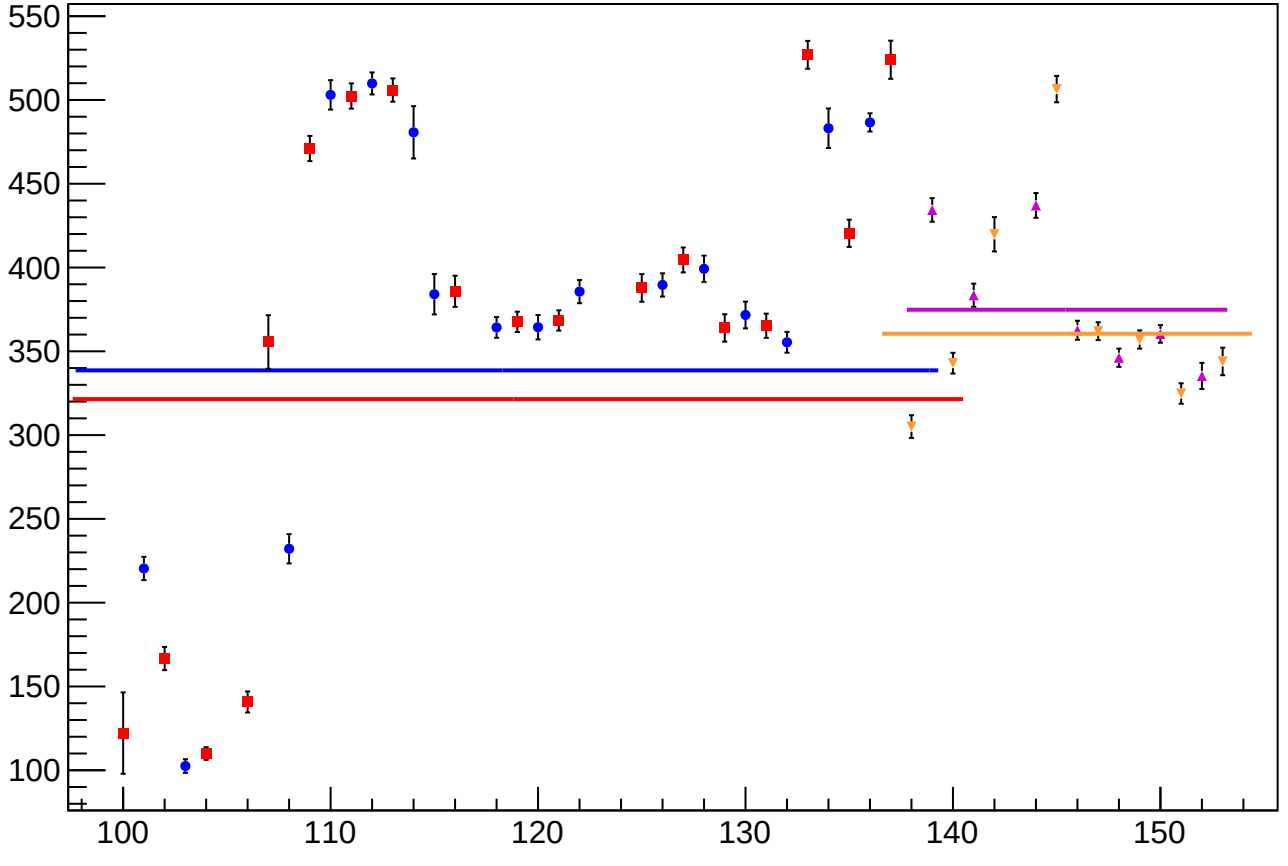
Right: 22.537+/-1.128 χ^2/NDF: 234.8/33

In: 24.867+/-1.123 χ^2/NDF:162.8/22

Out: 24.273+/-1.082 χ^2/NDF:276.0/25

All: 24.559+/-0.779 χ^2/NDF: 438.9/48

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: 360.497+/-2.331 χ^2/NDF:490.1/7

Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 374.831+/-2.380 χ^2/NDF:209.4/6

Left: 367.513+/-1.665 χ^2/NDF: 718.0/14

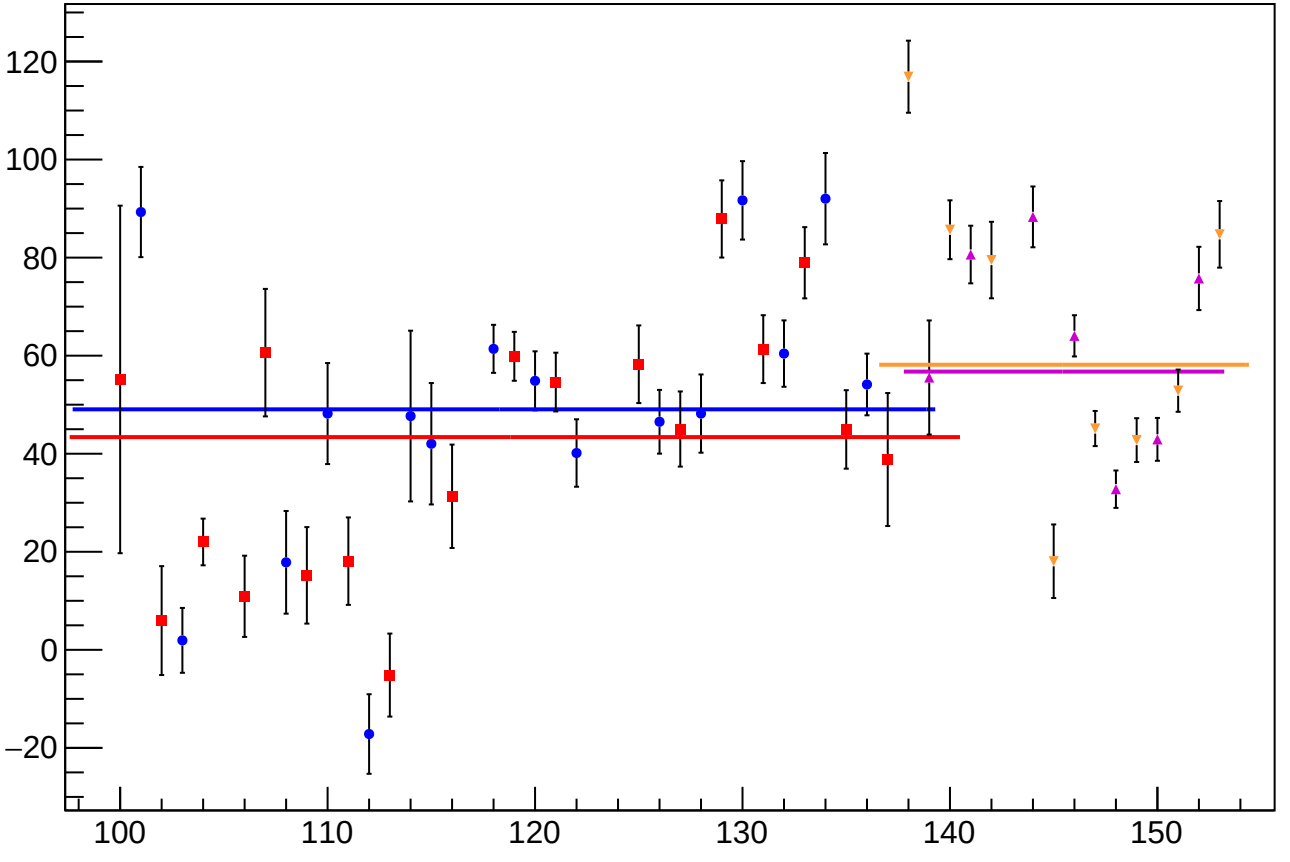
Right: 329.797+/-1.217 χ^2/NDF: 13813.0/33

In: 351.317+/-1.409 χ^2/NDF:6402.3/22

Out: 334.982+/-1.370 χ^2/NDF:8394.1/25

All: 342.922+/-0.982 χ^2/NDF: 14865.4/48

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 58.151+/-1.877 χ^2/NDF:162.8/7

Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 56.749+/-1.946 χ^2/NDF:103.6/6

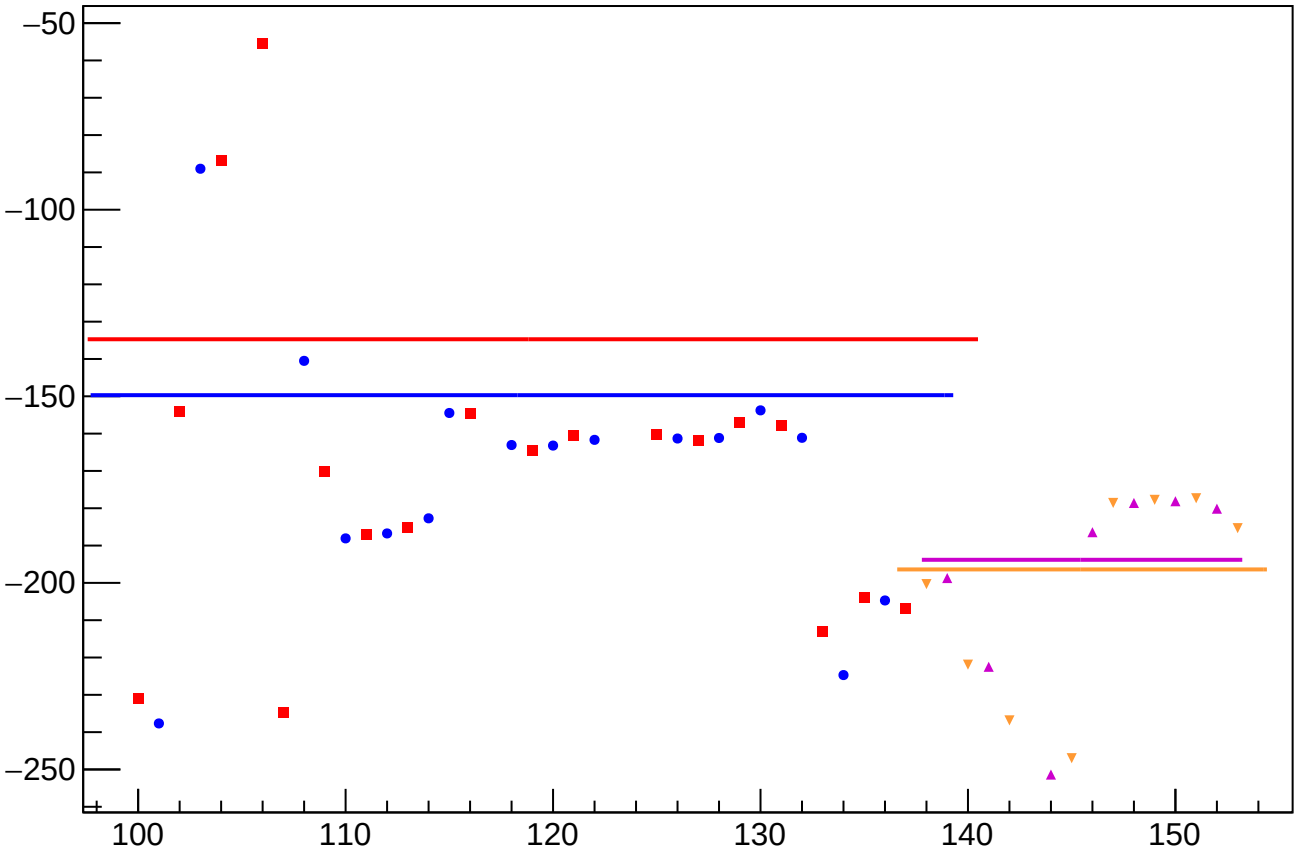
Left: 57.476+/-1.351 χ^2/NDF: 266.7/14

Right: 46.149+/-1.314 χ^2/NDF: 392.6/33

In: 52.773+/-1.353 χ^2/NDF:319.6/22

Out: 50.600+/-1.312 χ^2/NDF:374.4/25

All: 51.653+/-0.942 χ^2/NDF: 695.4/48



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -196.395+/-0.096 χ^2/NDF:64308.7/7

Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -193.814+/-0.096 χ^2/NDF:54161.2/6

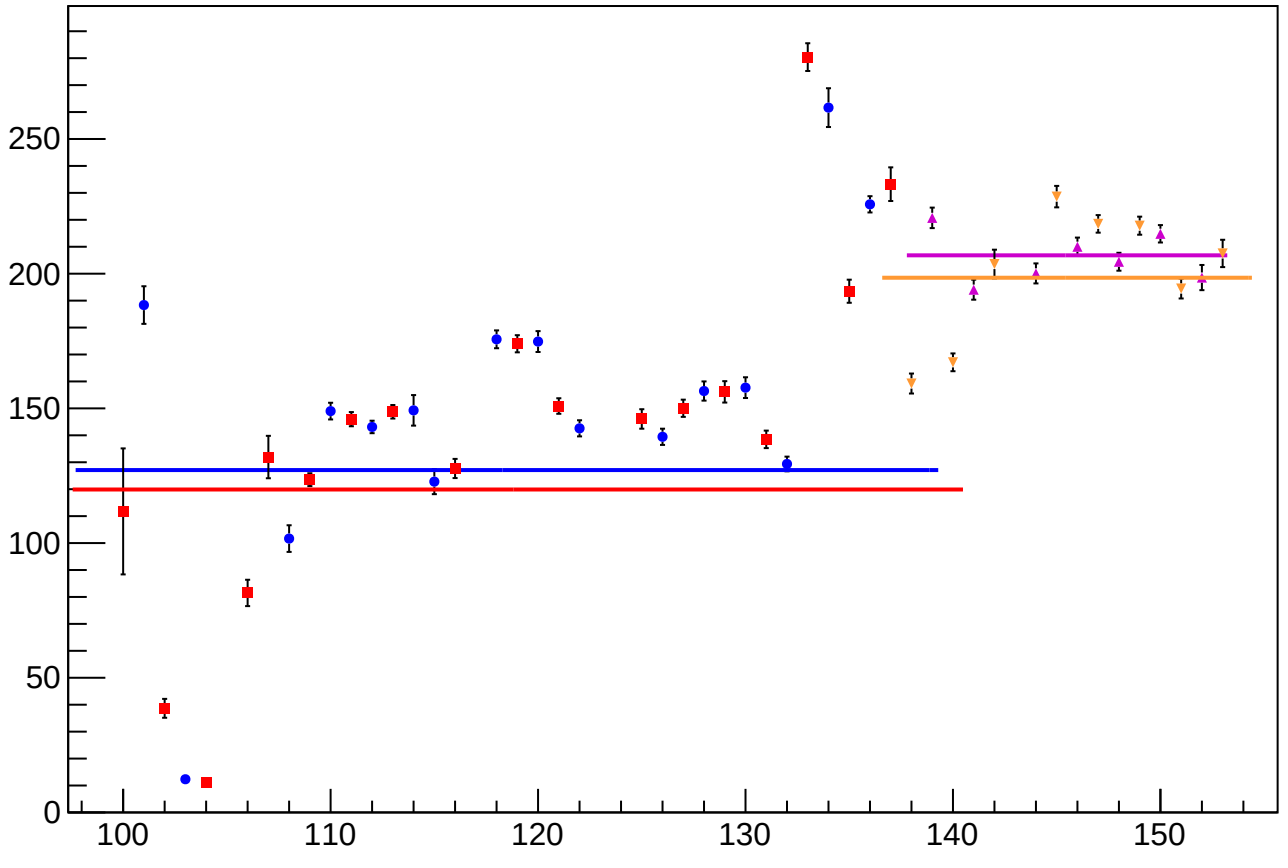
Left: -195.101+/-0.068 χ^2/NDF: 118833.2/14

Right: -141.917+/-0.070 χ^2/NDF: 580582.0/33

In: -172.921+/-0.069 χ^2/NDF:411423.9/22

Out: -165.909+/-0.068 χ^2/NDF:581459.9/25

All: -169.355+/-0.049 χ^2/NDF: 998079.2/48



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 198.497+/-1.338 χ^2/NDF:335.9/7

Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 206.815+/-1.370 χ^2/NDF:39.1/6

Left: 202.559+/-0.957 χ^2/NDF: 393.8/14

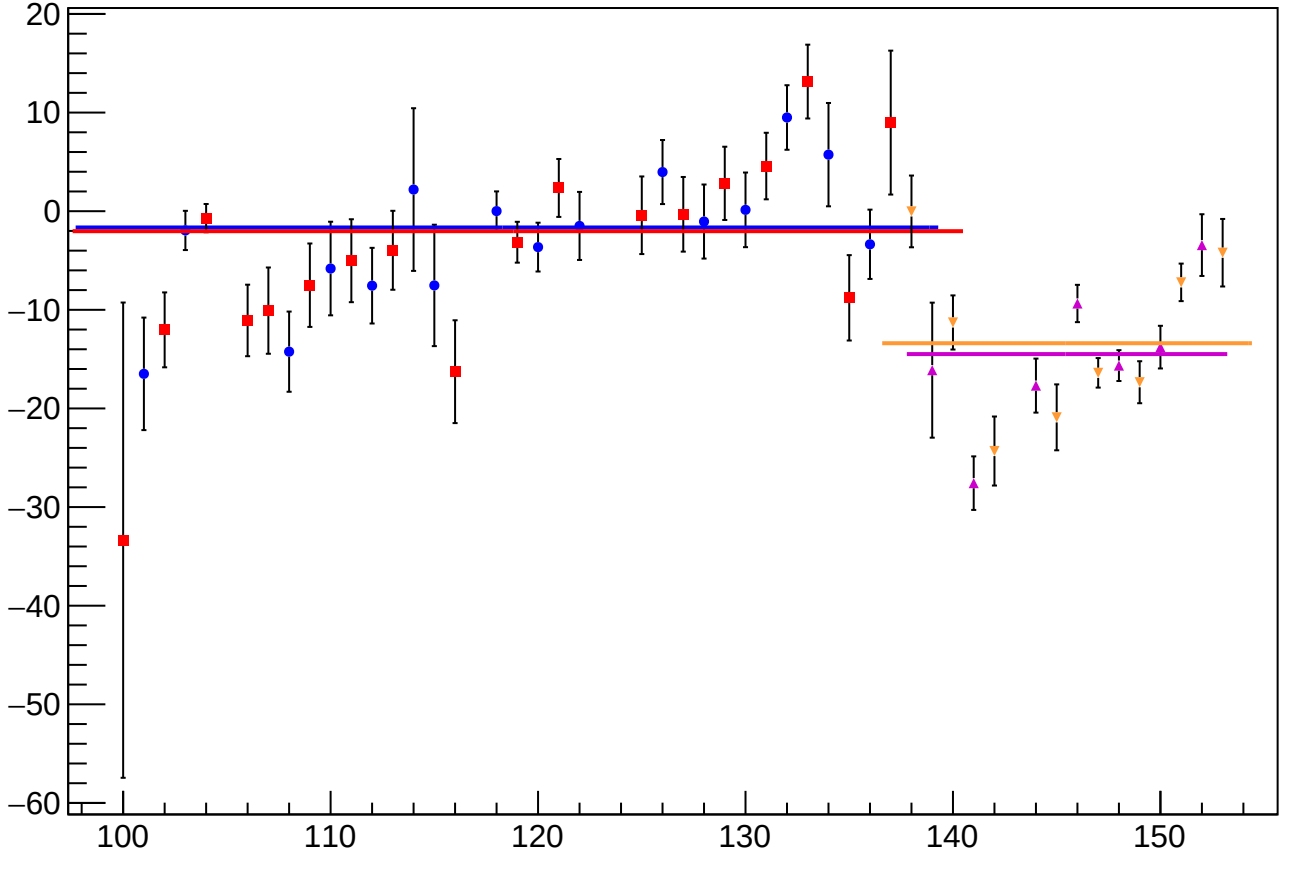
Right: 123.326+/-0.560 χ^2/NDF: 12854.2/33

In: 147.781+/-0.698 χ^2/NDF:8709.9/22

Out: 139.598+/-0.670 χ^2/NDF:9570.7/25

All: 143.525+/-0.483 χ^2/NDF: 18352.2/48

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.651+/-0.833 χ^2/NDF: 39.1/15

Left Out: -13.387+/-0.843 χ^2/NDF:54.1/7

Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -14.488+/-0.879 χ^2/NDF:45.1/6

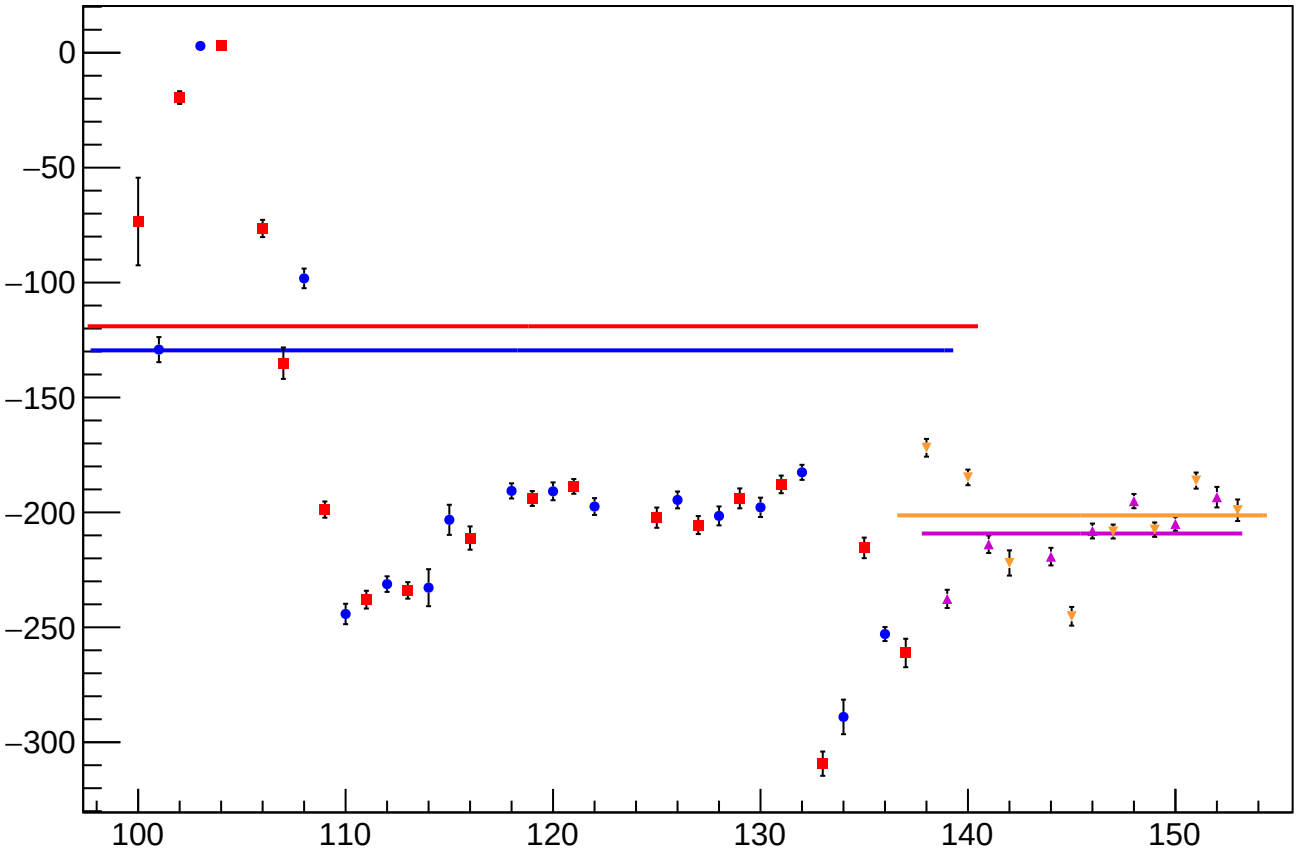
Left: -13.914+/-0.608 χ^2/NDF: 100.0/14

Right: -1.854+/-0.565 χ^2/NDF: 97.8/33

In: -7.723+/-0.605 χ^2/NDF:196.6/22

Out: -7.198+/-0.569 χ^2/NDF:211.7/25

All: -7.444+/-0.414 χ^2/NDF: 408.7/48



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -201.284+/-1.308 χ^2/NDF:240.1/7

Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -209.185+/-1.337 χ^2/NDF:95.1/6

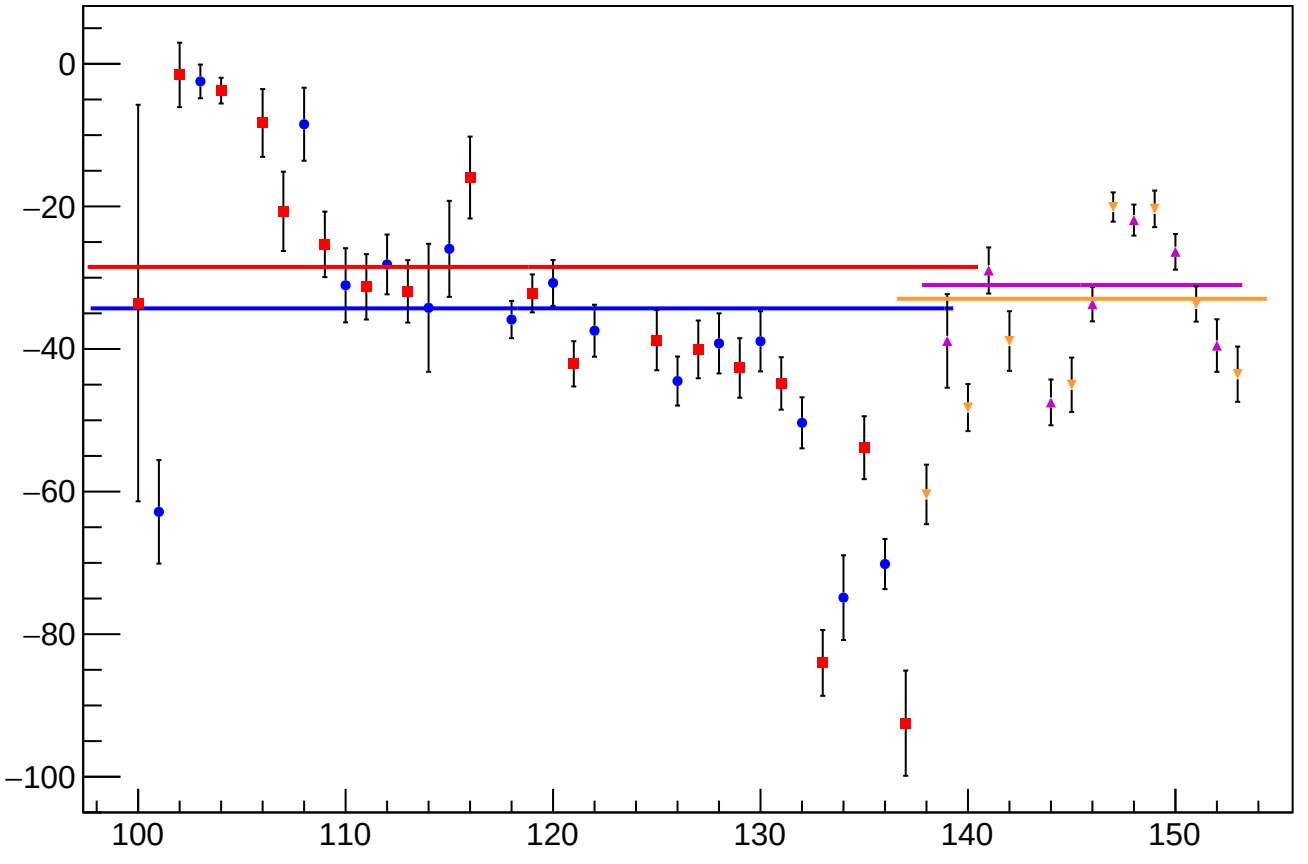
Left: -205.148+/-0.935 χ^2/NDF: 352.9/14

Right: -124.047+/-0.586 χ^2/NDF: 30944.8/33

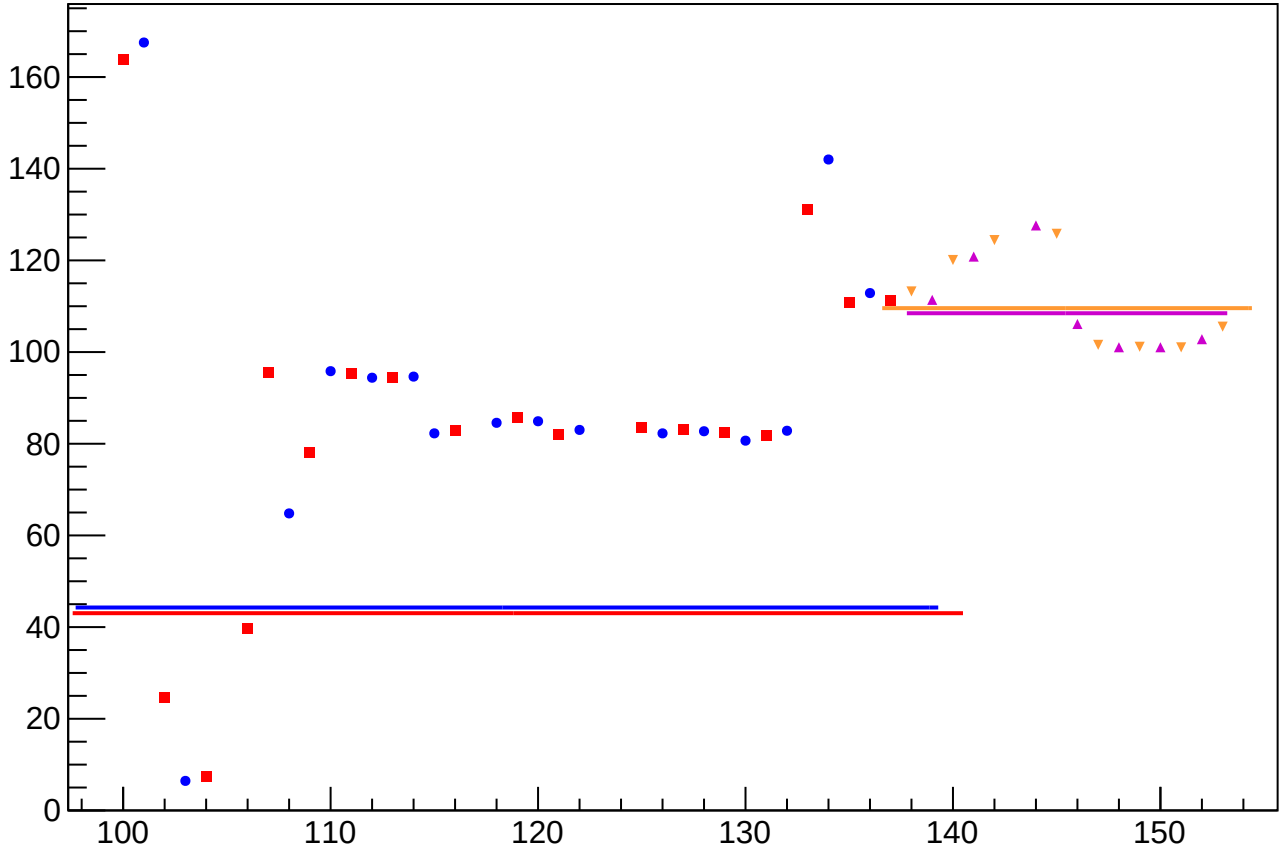
In: -152.288+/-0.715 χ^2/NDF:17318.2/22

Out: -141.930+/-0.690 χ^2/NDF:19269.9/25

All: -146.927+/-0.497 χ^2/NDF: 36696.6/48


reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
Right In: -34.301+/-0.968 χ²/NDF: 411.3/15
Left Out: -32.955+/-1.057 χ²/NDF:147.6/7
Right Out: -28.488+/-0.907 χ²/NDF: 568.0/17
Left In: -31.027+/-1.096 χ²/NDF:55.6/6
Left: -32.026+/-0.761 χ²/NDF: 204.8/14
Right: -31.206+/-0.662 χ²/NDF: 998.5/33
In: -32.867+/-0.726 χ²/NDF:471.9/22
Out: -30.382+/-0.688 χ²/NDF:725.9/25
All: -31.559+/-0.499 χ²/NDF: 1204.0/48

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: 109.581+/-0.054 χ^2/NDF:31801.6/7

Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 108.472+/-0.054 χ^2/NDF:27853.0/6

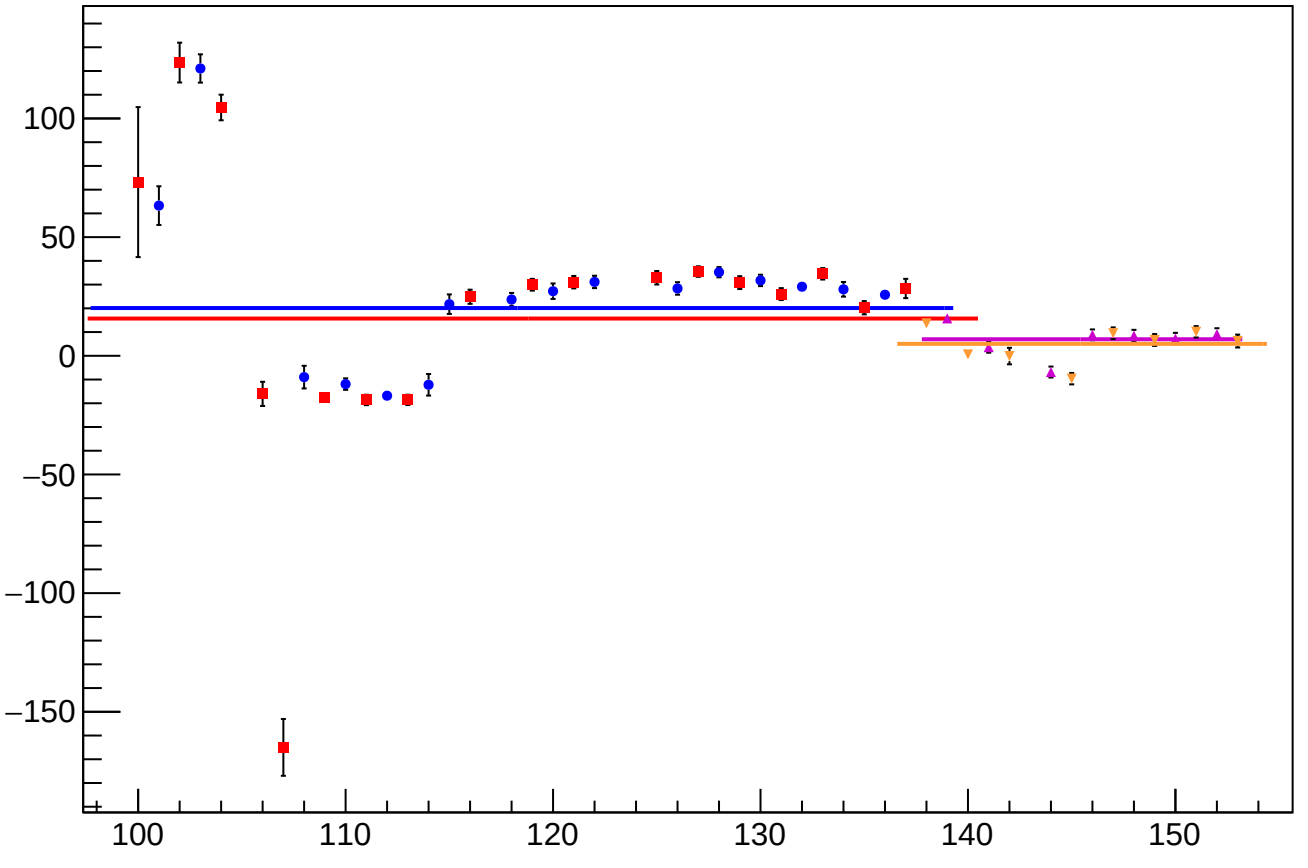
Left: 109.027+/-0.038 χ^2/NDF: 59867.2/14

Right: 43.656+/-0.032 χ^2/NDF: 1890570.2/33

In: 70.643+/-0.034 χ^2/NDF:1951078.5/22

Out: 70.439+/-0.035 χ^2/NDF:1736036.5/25

All: 70.541+/-0.024 χ^2/NDF: 3687132.6/48



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 5.029+/-0.860 χ^2/NDF:69.6/7

Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 6.974+/-0.873 χ^2/NDF:58.9/6

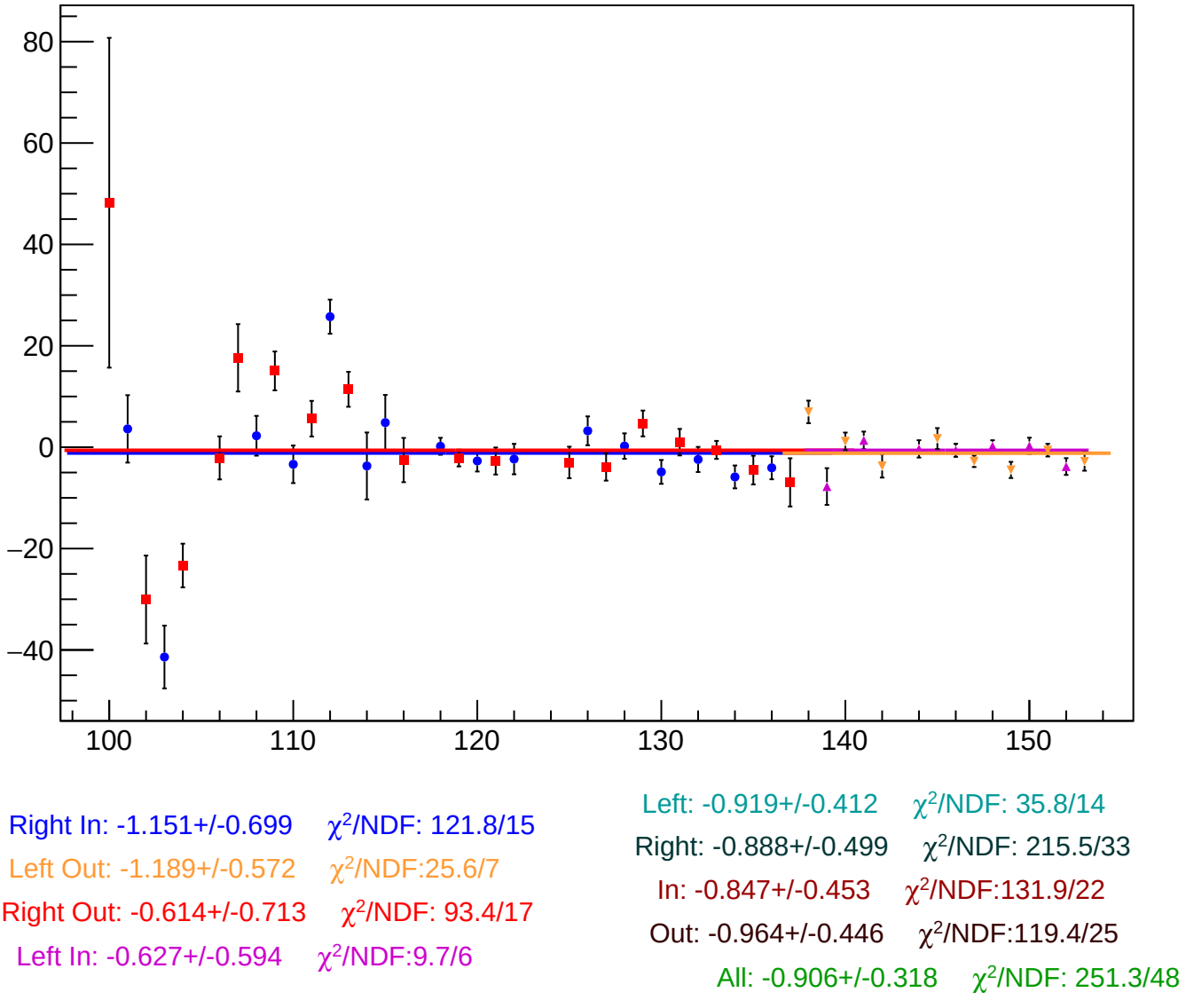
Left: 5.988+/-0.613 χ^2/NDF: 131.0/14

Right: 17.893+/-0.484 χ^2/NDF: 2842.7/33

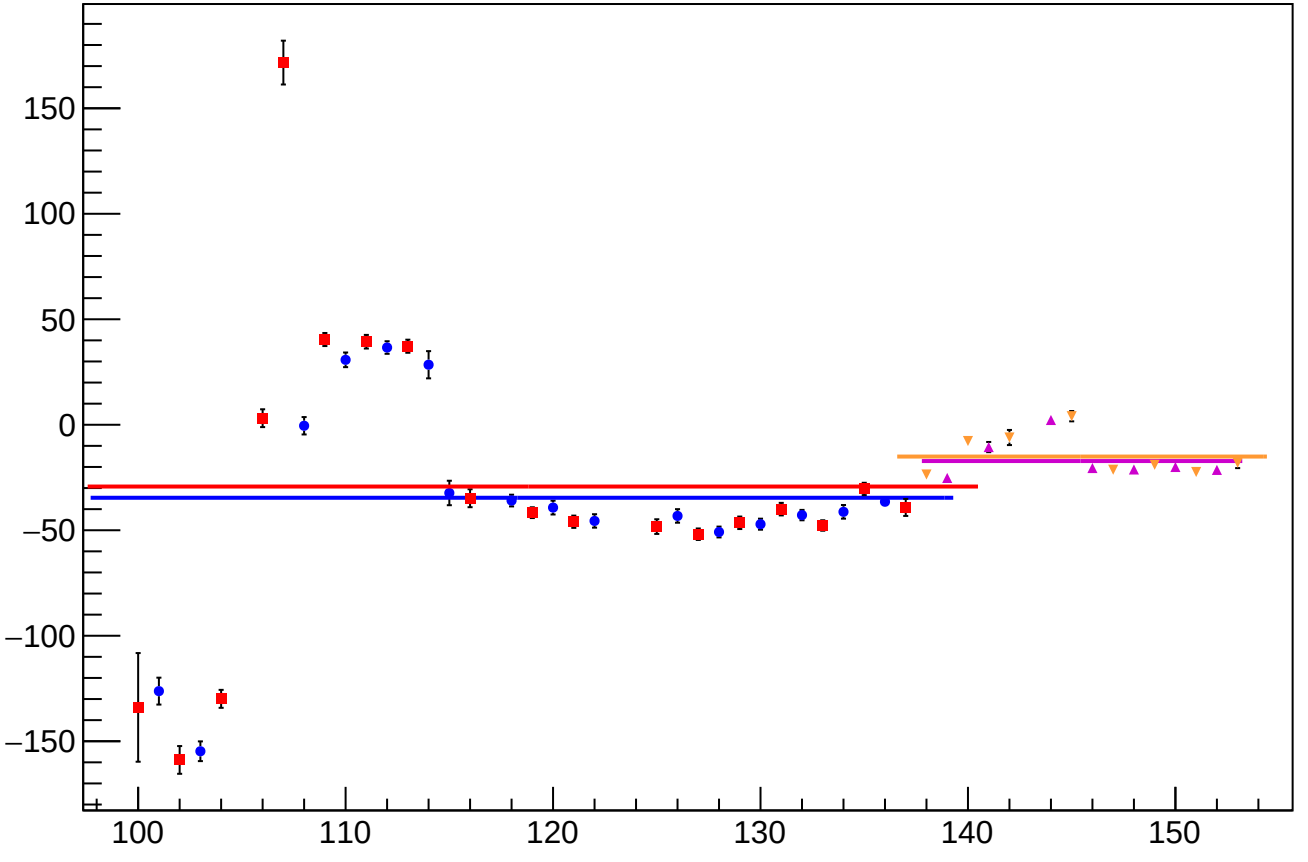
In: 15.090+/-0.540 χ^2/NDF:1247.0/22

Out: 11.581+/-0.534 χ^2/NDF:1937.9/25

All: 13.318+/-0.380 χ^2/NDF: 3206.2/48


reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
100
110
120
130
140
150
Right In: -1.151+/-0.699 χ²/NDF: 121.8/15
Left Out: -1.189+/-0.572 χ²/NDF:25.6/7
Right Out: -0.614+/-0.713 χ²/NDF: 93.4/17
Left In: -0.627+/-0.594 χ²/NDF:9.7/6
Left: -0.919+/-0.412 χ²/NDF: 35.8/14
Right: -0.888+/-0.499 χ²/NDF: 215.5/33
In: -0.847+/-0.453 χ²/NDF:131.9/22
Out: -0.964+/-0.446 χ²/NDF:119.4/25
All: -0.906+/-0.318 χ²/NDF: 251.3/48

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: -15.071+/-0.846 χ^2/NDF:116.5/7

Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -17.199+/-0.859 χ^2/NDF:99.4/6

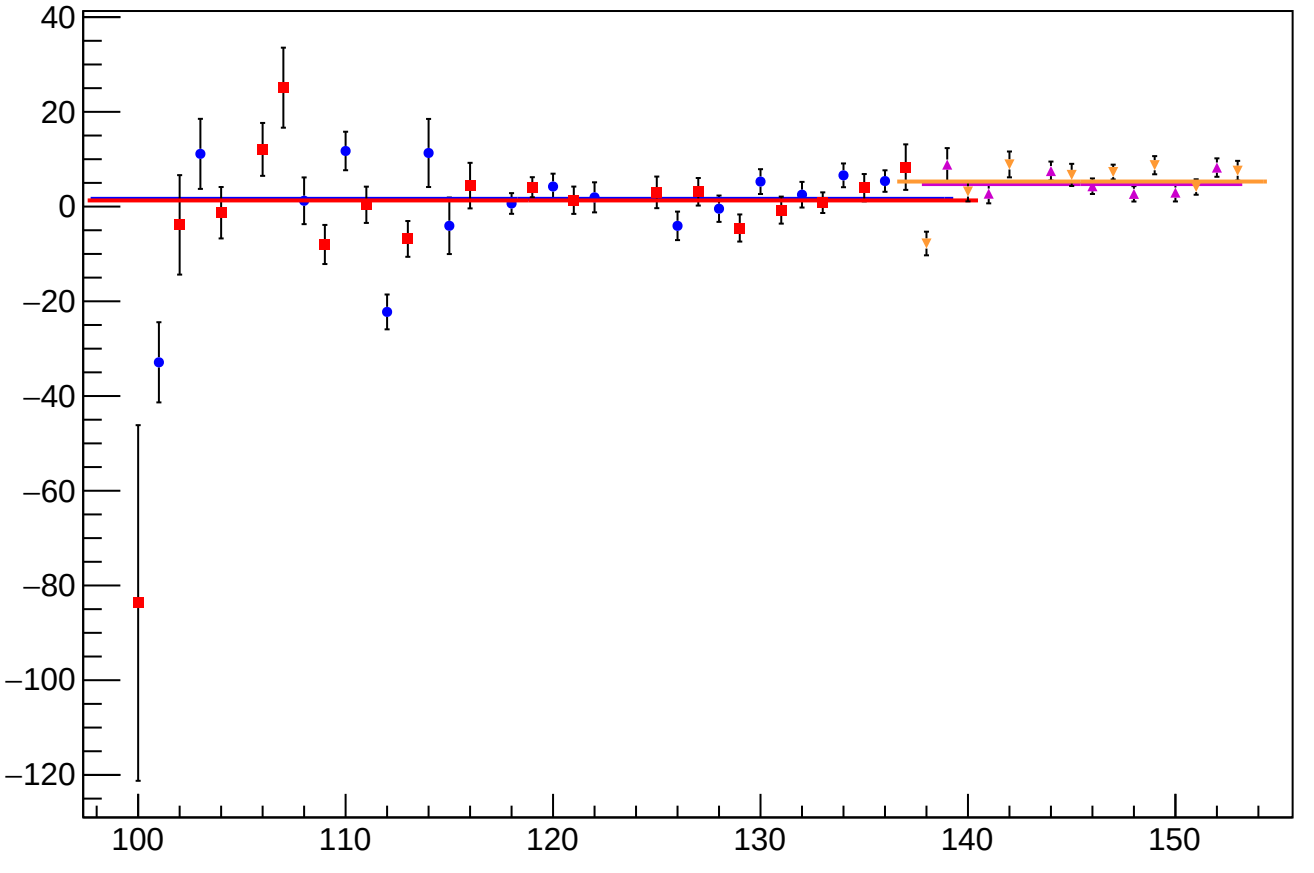
Left: -16.119+/-0.603 χ^2/NDF: 219.0/14

Right: -31.983+/-0.561 χ^2/NDF: 5162.0/33

In: -26.670+/-0.580 χ^2/NDF:2381.0/22

Out: -22.575+/-0.581 χ^2/NDF:3346.4/25

All: -24.627+/-0.411 χ^2/NDF: 5752.3/48



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 5.287+/-0.707 χ^2/NDF:37.2/7

Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 4.753+/-0.731 χ^2/NDF:10.1/6

Left: 5.029+/-0.508 χ^2/NDF: 47.6/14

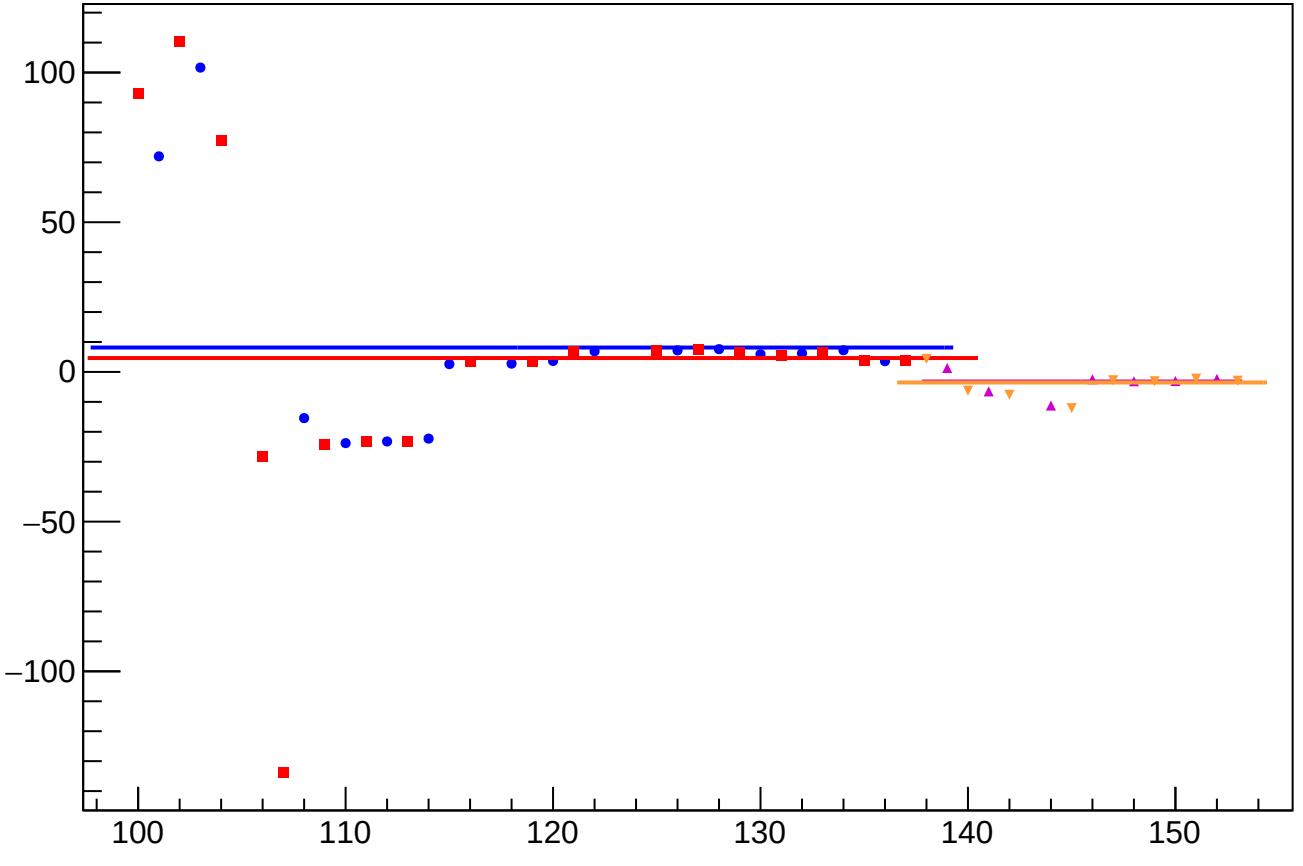
Right: 1.468+/-0.570 χ^2/NDF: 120.9/33

In: 3.326+/-0.539 χ^2/NDF:101.7/22

Out: 3.577+/-0.535 χ^2/NDF:88.4/25

All: 3.453+/-0.379 χ^2/NDF: 190.2/48

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -3.526+/-0.034 χ^2/NDF:18357.9/7

Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -3.210+/-0.034 χ^2/NDF:10643.5/6

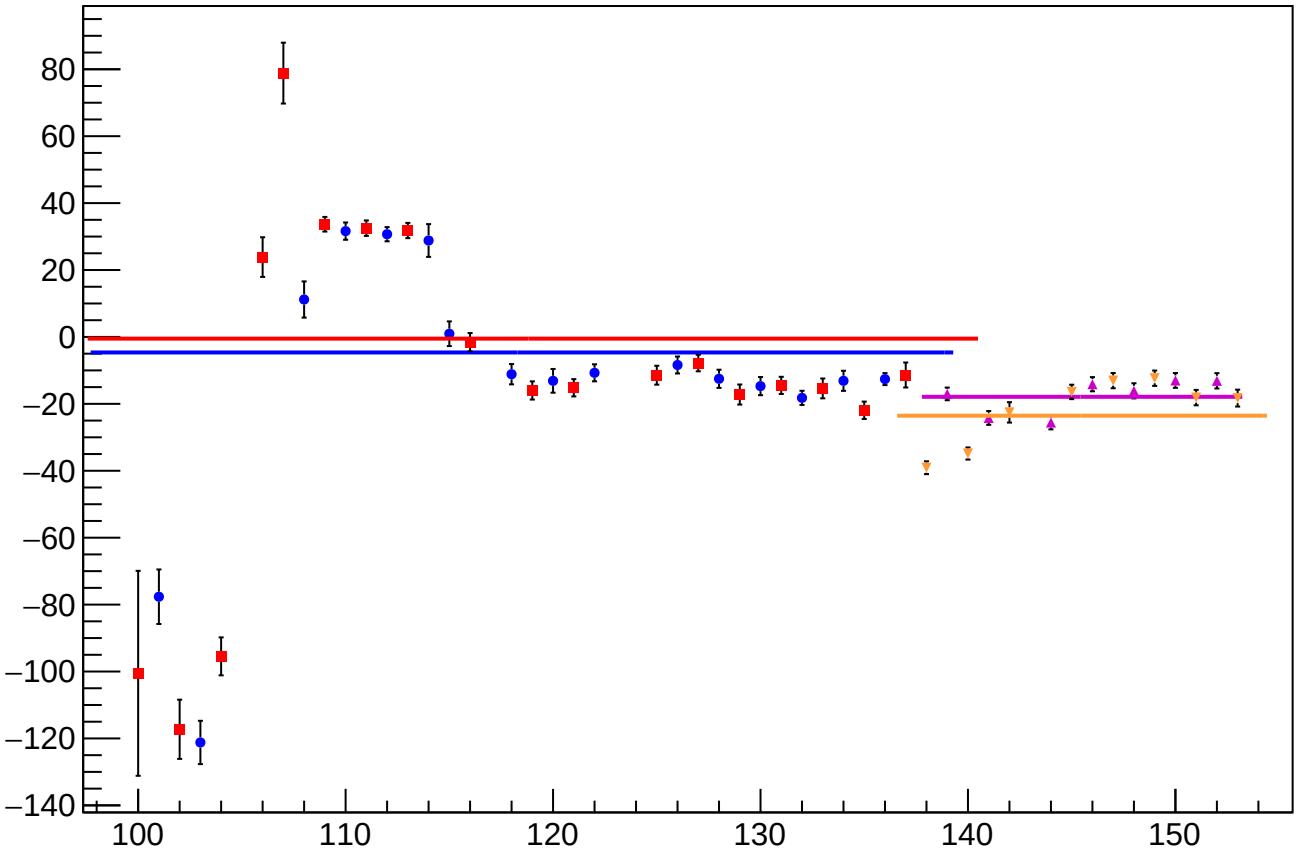
Left: -3.368+/-0.024 χ^2/NDF: 29044.6/14

Right: 6.508+/-0.035 χ^2/NDF: 762611.1/33

In: 0.553+/-0.028 χ^2/NDF:360844.4/22

Out: -1.056+/-0.028 χ^2/NDF:482565.6/25

All: -0.235+/-0.020 χ^2/NDF: 845044.9/48



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -23.542+/-0.785 χ^2/NDF:169.8/7

Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -17.895+/-0.799 χ^2/NDF:36.8/6

Left: -20.770+/-0.560 χ^2/NDF: 232.0/14

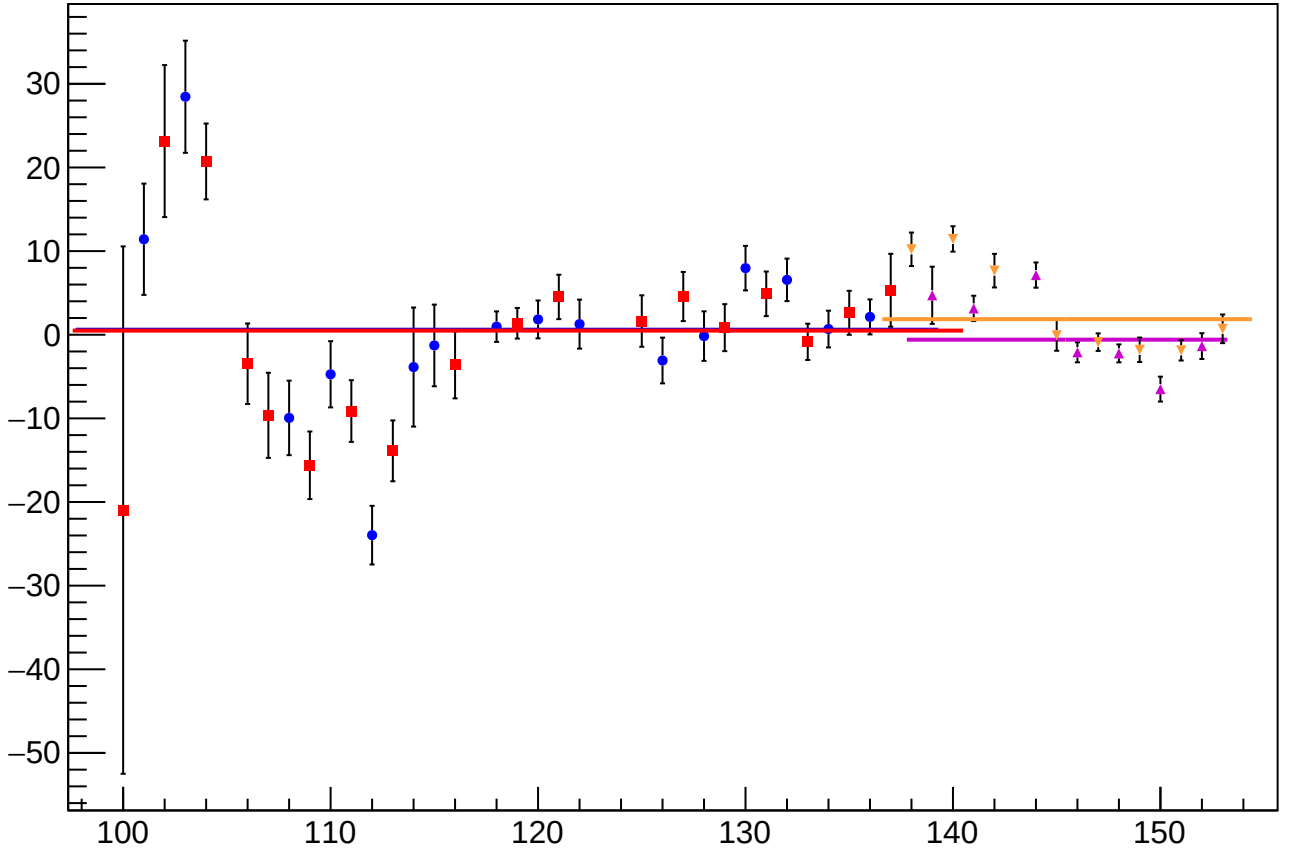
Right: -2.571+/-0.503 χ^2/NDF: 2521.0/33

In: -10.500+/-0.531 χ^2/NDF:1236.5/22

Out: -10.888+/-0.527 χ^2/NDF:2100.9/25

All: -10.696+/-0.374 χ^2/NDF: 3337.7/48

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

Left Out: 1.862+/-0.526 χ^2/NDF:89.7/7

Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: -0.588+/-0.542 χ^2/NDF:54.7/6

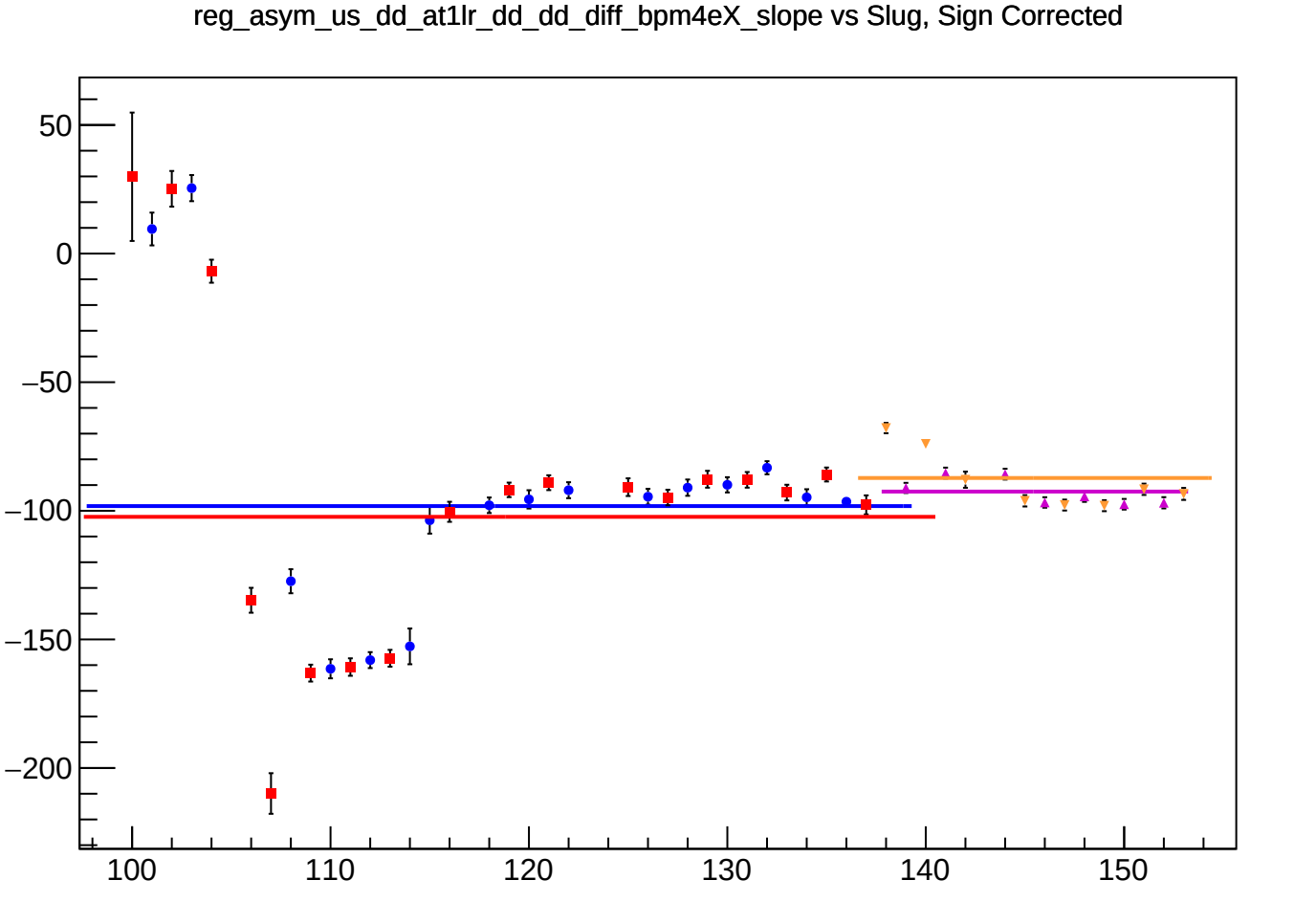
Left: 0.674+/-0.377 χ^2/NDF: 154.9/14

Right: 0.551+/-0.524 χ^2/NDF: 173.0/33

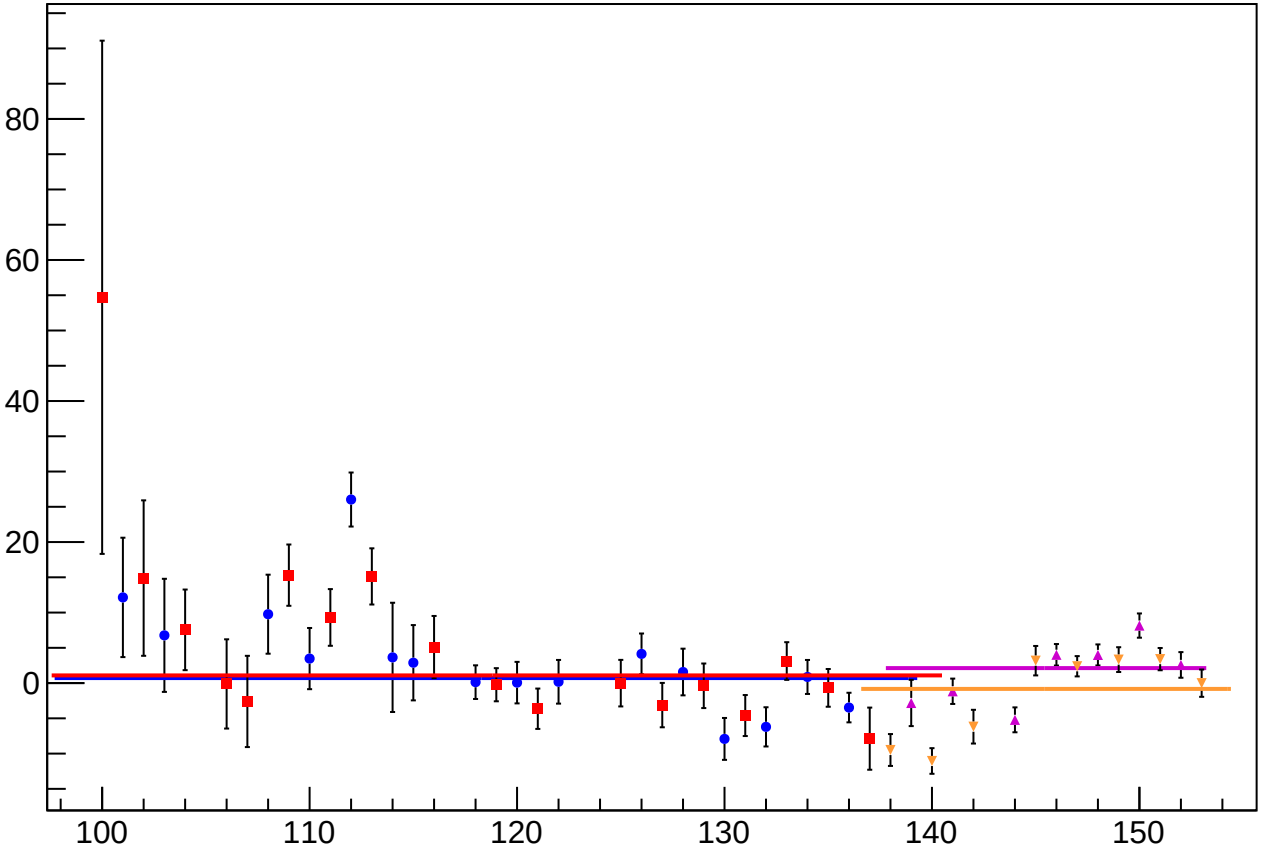
In: -0.163+/-0.435 χ^2/NDF:149.3/22

Out: 1.416+/-0.431 χ^2/NDF:172.1/25

All: 0.632+/-0.306 χ^2/NDF: 328.0/48


reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
100
110
120
130
140
150
Right In: -98.168+/-0.813 χ²/NDF: 1699.9/15
Left Out: -87.241+/-0.774 χ²/NDF:221.0/7
Right Out: -102.349+/-0.837 χ²/NDF: 2117.5/17
Left In: -92.527+/-0.787 χ²/NDF:37.2/6
Left: -89.838+/-0.552 χ²/NDF: 281.2/14
Right: -100.197+/-0.583 χ²/NDF: 3830.3/33
In: -95.258+/-0.565 χ²/NDF:1762.0/22
Out: -94.201+/-0.568 χ²/NDF:2514.3/25
All: -94.732+/-0.401 χ²/NDF: 4278.0/48

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -0.825+/-0.649 χ^2/NDF:72.9/7

Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: 2.125+/-0.667 χ^2/NDF:38.4/6

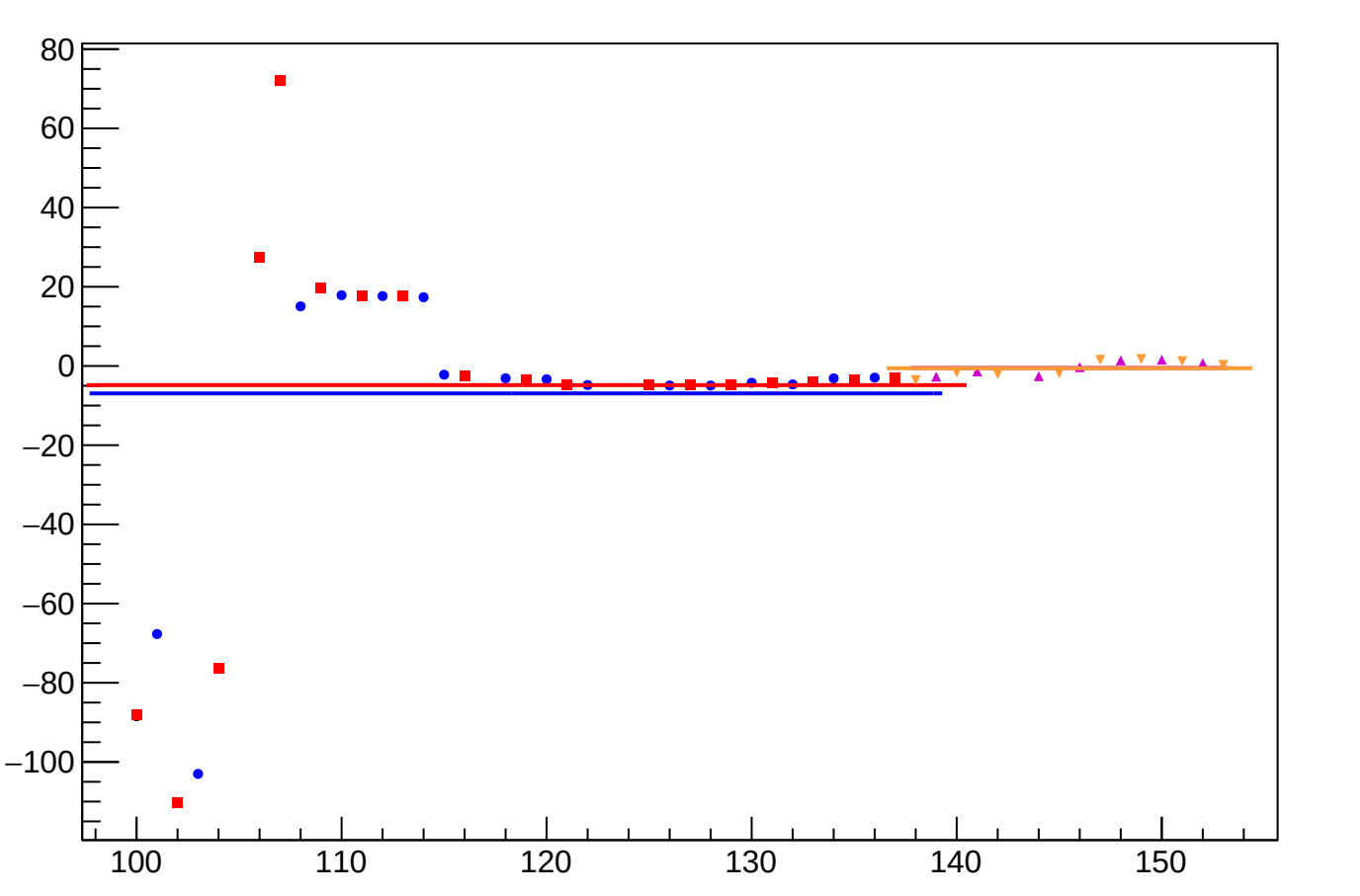
Left: 0.607+/-0.465 χ^2/NDF: 121.3/14

Right: 0.892+/-0.593 χ^2/NDF: 117.4/33

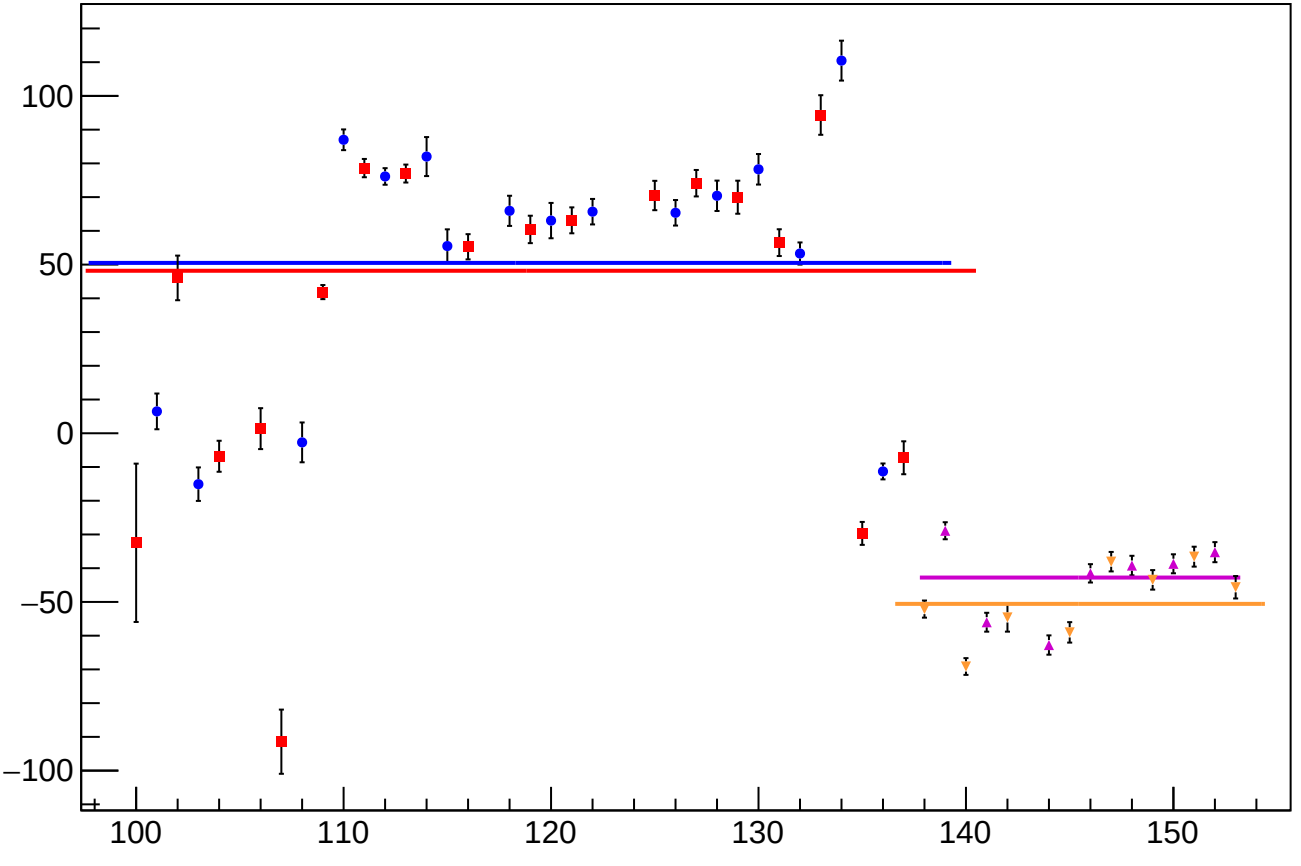
In: 1.562+/-0.518 χ^2/NDF:109.7/22

Out: -0.128+/-0.517 χ^2/NDF:123.7/25

All: 0.716+/-0.366 χ^2/NDF: 238.8/48


reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
Right In: -6.927+/-0.049 χ²/NDF: 265187.0/15
Left Out: -0.570+/-0.031 χ²/NDF:3631.3/7
Right Out: -4.833+/-0.053 χ²/NDF: 339363.3/17
Left In: -0.503+/-0.031 χ²/NDF:2942.2/6
Left: -0.537+/-0.022 χ²/NDF: 6575.8/14
Right: -5.968+/-0.036 χ²/NDF: 605403.2/33
In: -2.389+/-0.026 χ²/NDF:280506.9/22
Out: -1.675+/-0.027 χ²/NDF:347822.6/25
All: -2.040+/-0.019 χ²/NDF: 628691.0/48

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: -50.574+/-1.038 χ^2/NDF:114.5/7

Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -42.771+/-1.054 χ^2/NDF:111.7/6

Left: -46.731+/-0.740 χ^2/NDF: 254.1/14

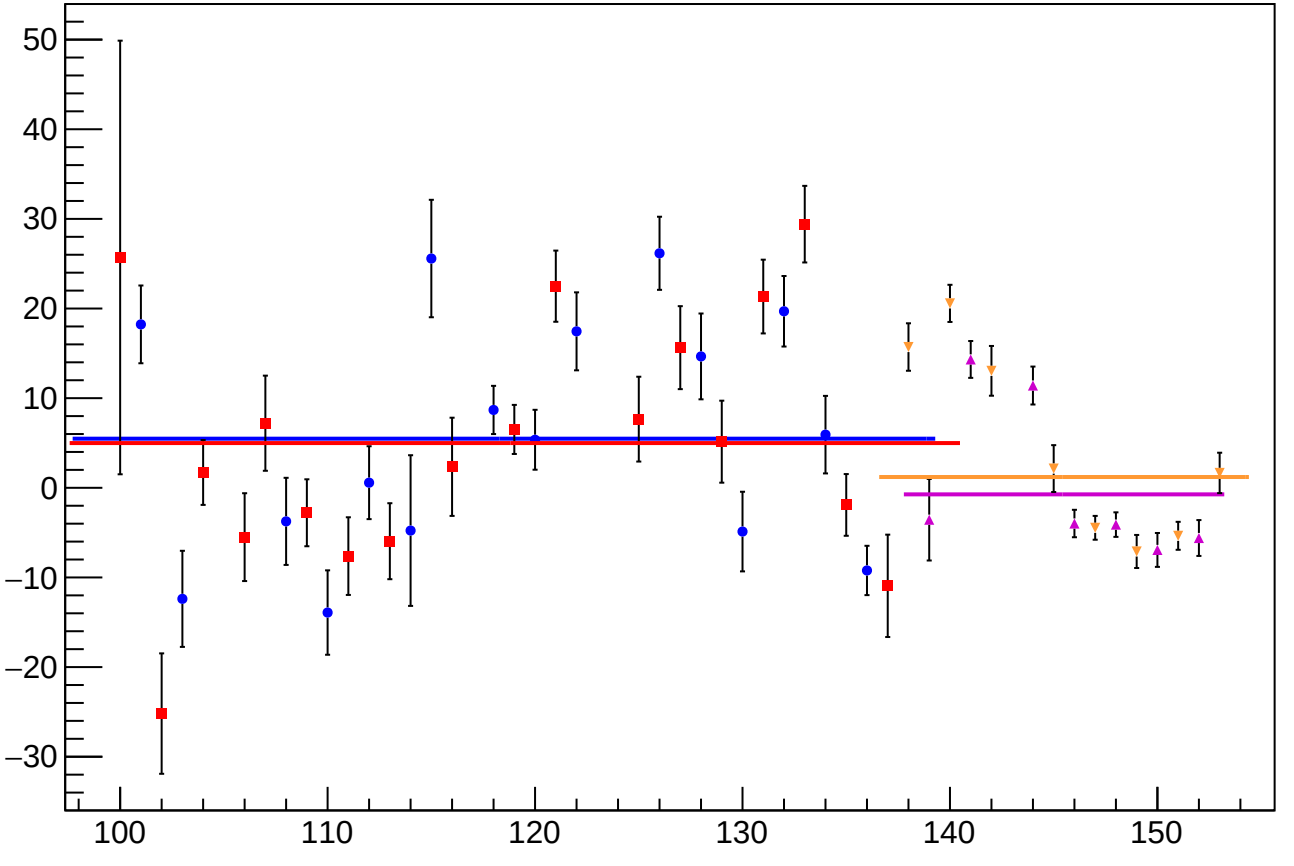
Right: 49.274+/-0.664 χ^2/NDF: 3026.2/33

In: 7.951+/-0.712 χ^2/NDF:5874.5/22

Out: 5.041+/-0.686 χ^2/NDF:6729.0/25

All: 6.442+/-0.494 χ^2/NDF: 12612.2/48

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: 1.204+/-0.687 χ^2/NDF:191.9/7

Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: -0.731+/-0.707 χ^2/NDF:114.2/6

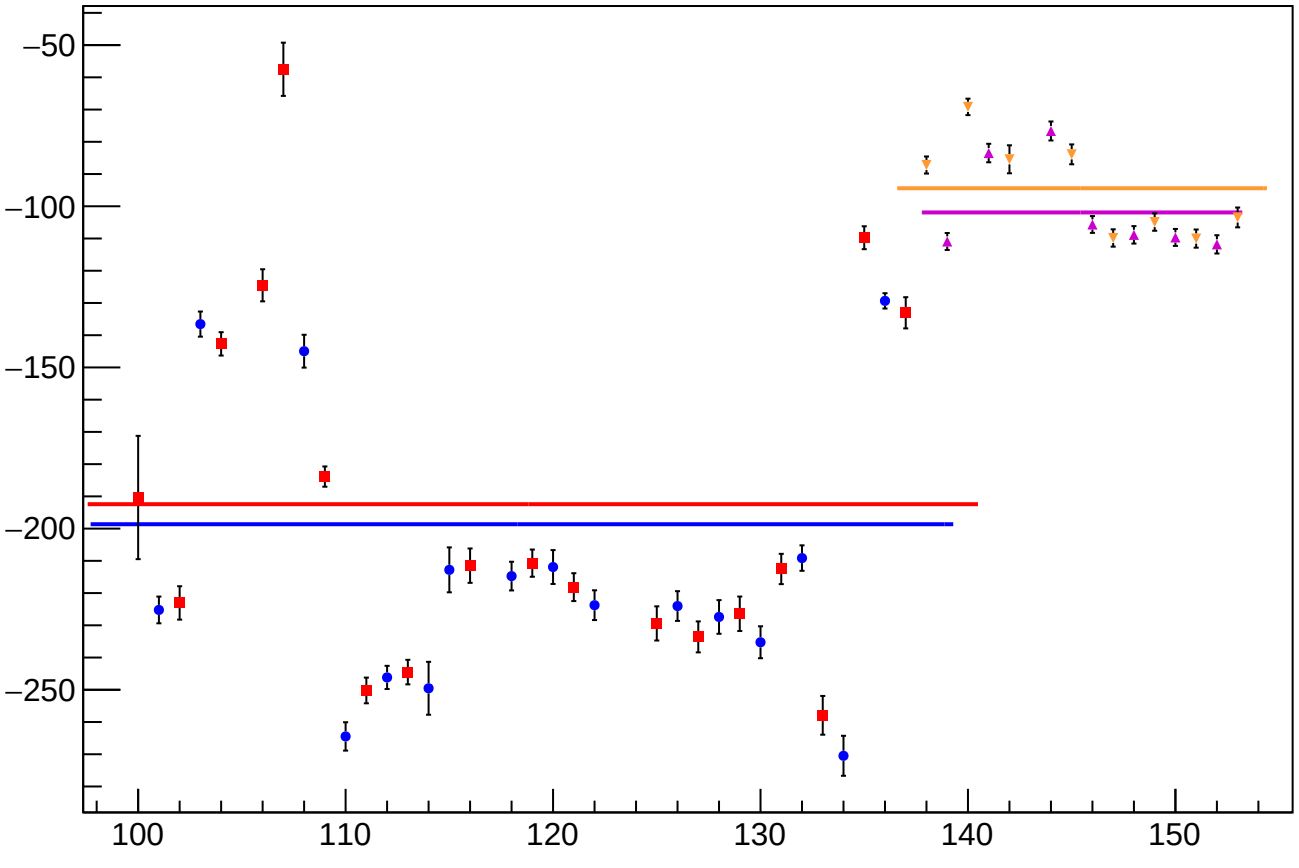
Left: 0.264+/-0.493 χ^2/NDF: 310.0/14

Right: 5.236+/-0.723 χ^2/NDF: 270.1/33

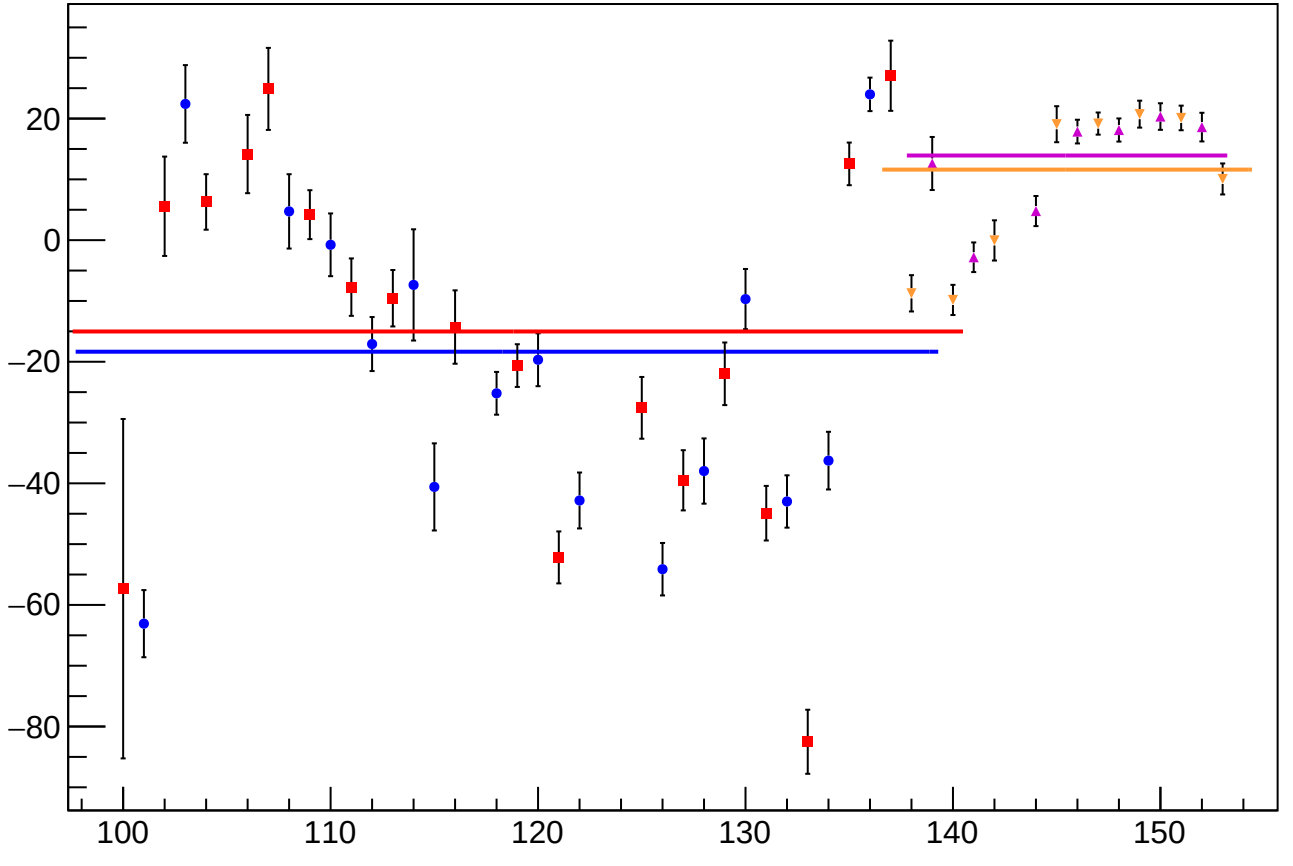
In: 1.282+/-0.581 χ^2/NDF:277.4/22

Out: 2.381+/-0.570 χ^2/NDF:333.2/25

All: 1.843+/-0.407 χ^2/NDF: 612.4/48


reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
100
110
120
130
140
150
Right In: -198.641+/-1.083 χ²/NDF: 2002.3/15
Left Out: -94.409+/-1.020 χ²/NDF:208.4/7
Right Out: -192.426+/-1.080 χ²/NDF: 2139.0/17
Left In: -101.915+/-1.035 χ²/NDF:156.0/6
Left: -98.107+/-0.727 χ²/NDF: 391.0/14
Right: -195.523+/-0.765 χ²/NDF: 4157.8/33
In: -148.082+/-0.748 χ²/NDF:6324.8/22
Out: -140.645+/-0.742 χ²/NDF:6701.0/25
All: -144.329+/-0.527 χ²/NDF: 13075.6/48

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: 11.606+/-0.850 χ^2/NDF:192.0/7

Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 13.925+/-0.873 χ^2/NDF:82.3/6

Left: 12.735+/-0.609 χ^2/NDF: 278.0/14

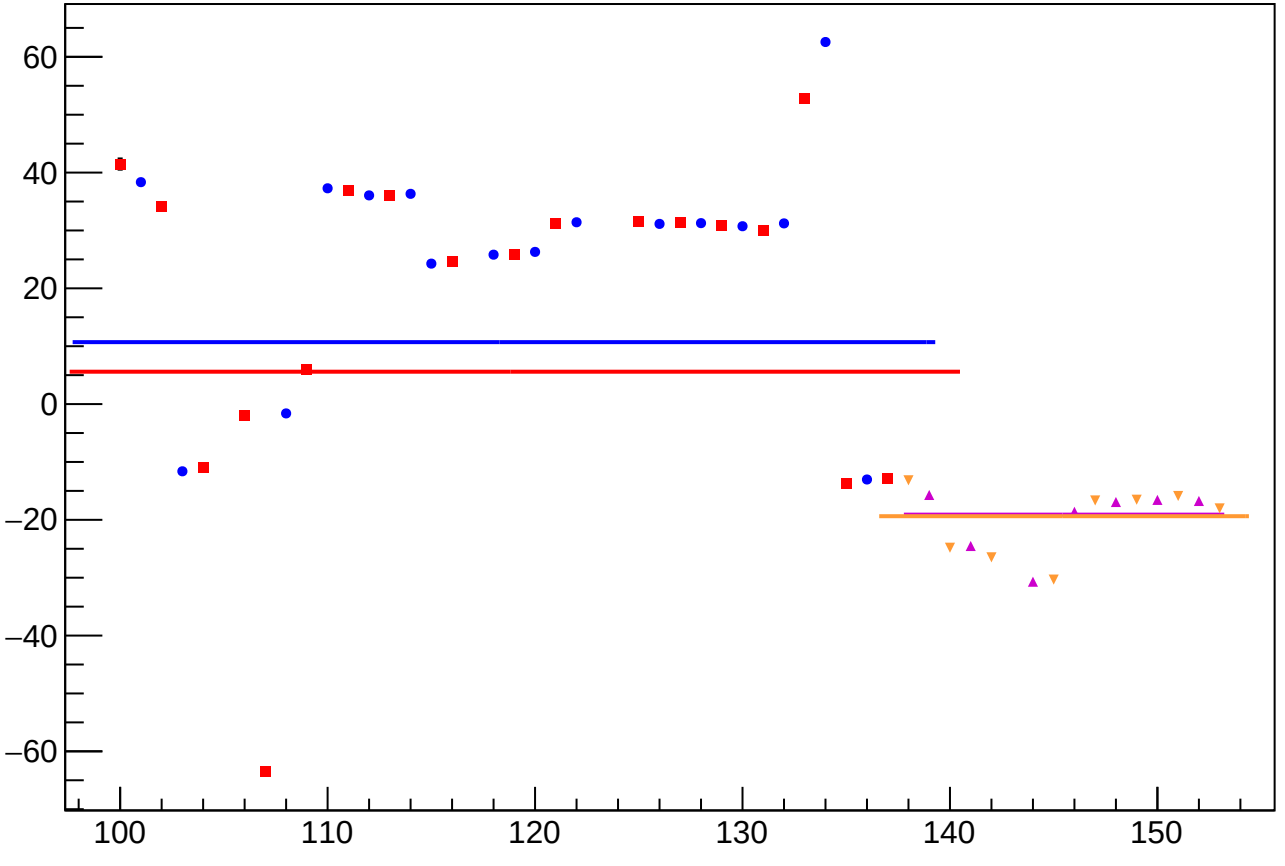
Right: -16.688+/-0.821 χ^2/NDF: 1094.5/33

In: 2.248+/-0.697 χ^2/NDF:1120.7/22

Out: 2.318+/-0.686 χ^2/NDF:1080.6/25

All: 2.283+/-0.489 χ^2/NDF: 2201.3/48

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: -19.374+/-0.041 χ^2/NDF:17896.5/7

Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: -19.104+/-0.041 χ^2/NDF:12703.9/6

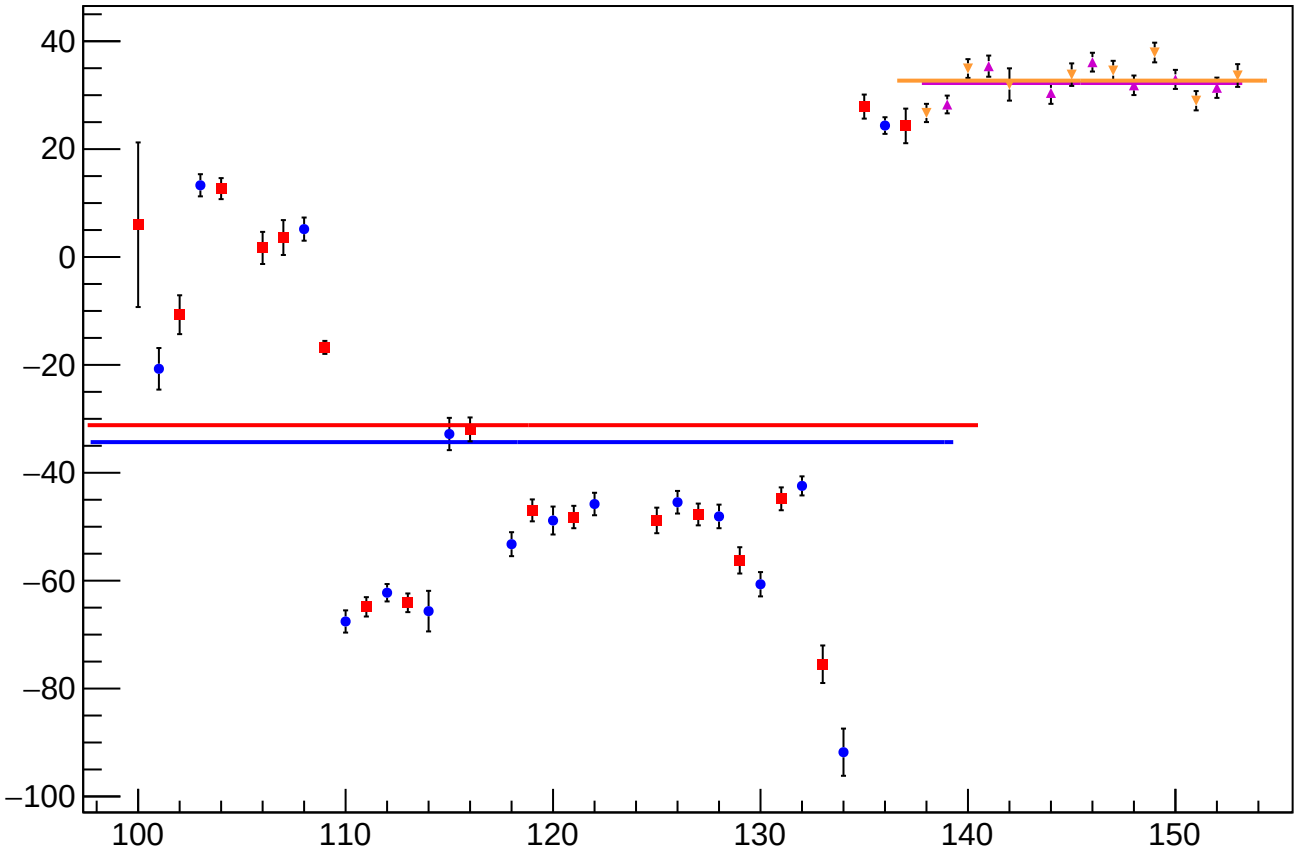
Left: -19.238+/-0.029 χ^2/NDF: 30621.8/14

Right: 8.178+/-0.045 χ^2/NDF: 323087.7/33

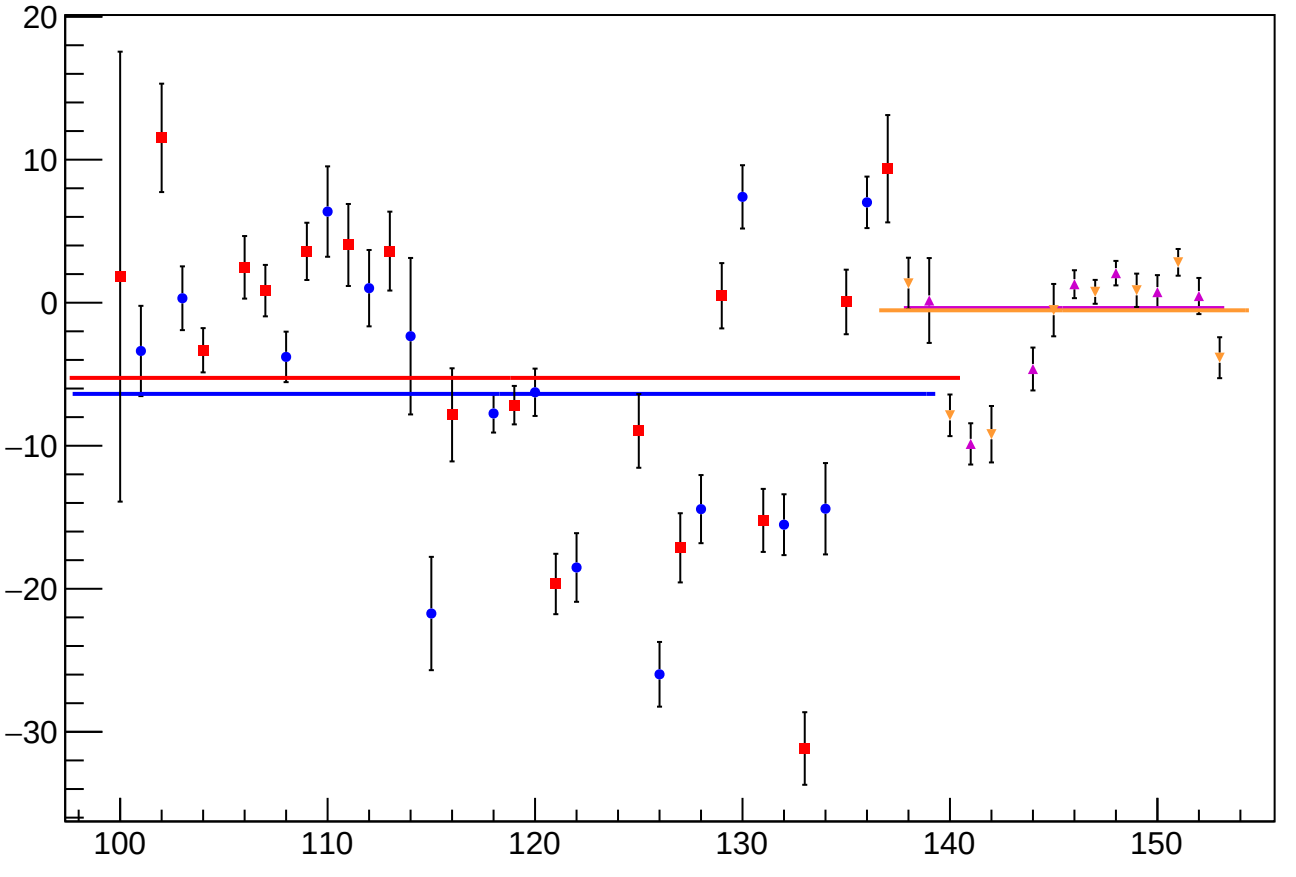
In: -10.184+/-0.034 χ^2/NDF:334921.2/22

Out: -11.998+/-0.035 χ^2/NDF:281409.9/25

All: -11.087+/-0.024 χ^2/NDF: 617714.6/48


reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
Right In: -34.315+/-0.548 χ²/NDF: 3500.2/15
Left Out: 32.695+/-0.680 χ²/NDF:28.3/7
Right Out: -31.175+/-0.516 χ²/NDF: 3200.4/17
Left In: 32.259+/-0.688 χ²/NDF:14.6/6
Left: 32.480+/-0.484 χ²/NDF: 43.1/14
Right: -32.651+/-0.375 χ²/NDF: 6718.0/33
In: -8.492+/-0.429 χ²/NDF:9244.2/22
Out: -7.840+/-0.411 χ²/NDF:8832.1/25
All: -8.152+/-0.297 χ²/NDF: 18077.5/48

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: -0.531+/-0.441 χ^2/NDF:67.9/7

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

Left In: -0.373+/-0.457 χ^2/NDF:63.8/6

Left: -0.455+/-0.317 χ^2/NDF: 131.8/14

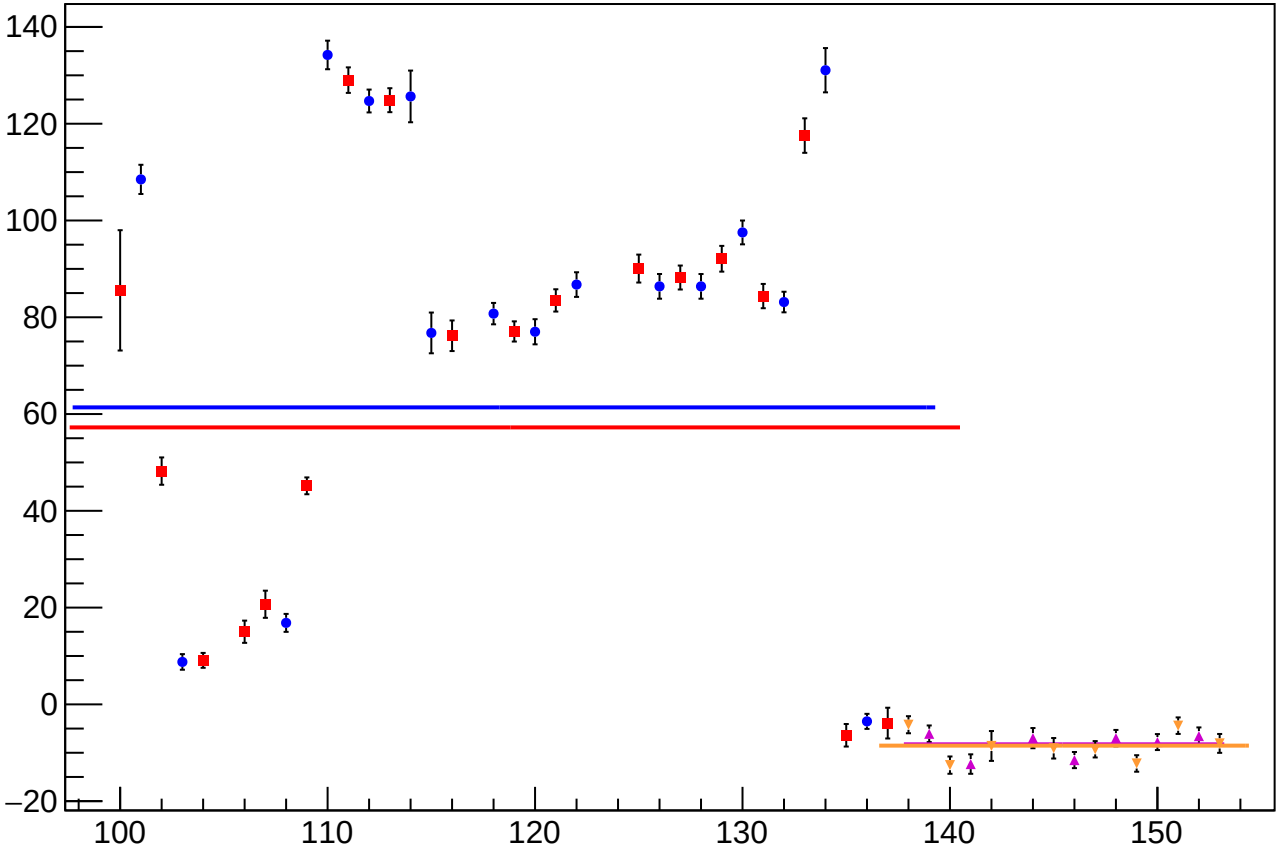
Right: -5.794+/-0.384 χ^2/NDF: 598.6/33

In: -2.806+/-0.352 χ^2/NDF:417.3/22

Out: -2.454+/-0.340 χ^2/NDF:427.6/25

All: -2.623+/-0.245 χ^2/NDF: 845.4/48

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: -8.526+/-0.665 χ^2/NDF:21.9/7

Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: -8.255+/-0.674 χ^2/NDF:11.5/6

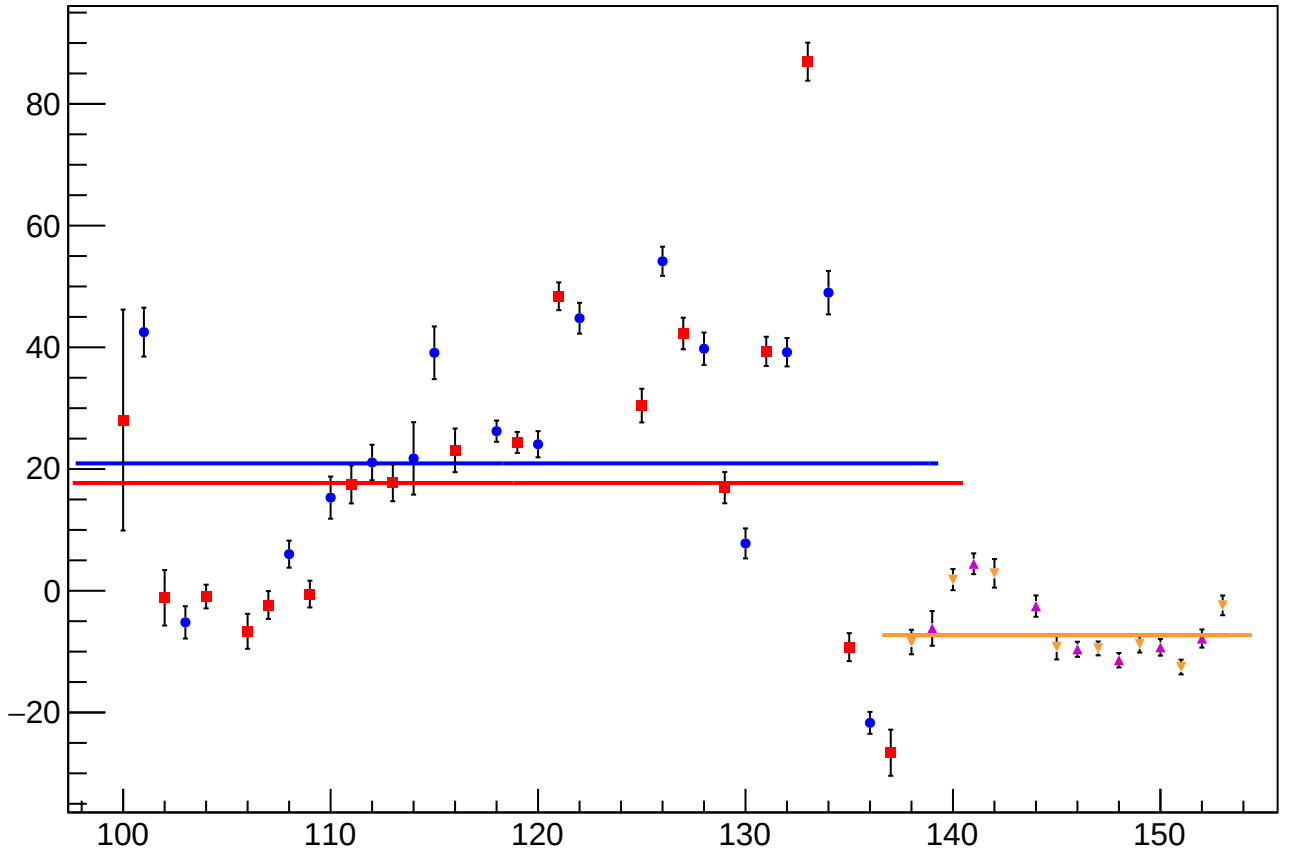
Left: -8.392+/-0.473 χ^2/NDF: 33.5/14

Right: 59.259+/-0.415 χ^2/NDF: 11359.0/33

In: 30.905+/-0.446 χ^2/NDF:12085.6/22

Out: 28.810+/-0.437 χ^2/NDF:10843.9/25

All: 29.837+/-0.312 χ^2/NDF: 22940.8/48



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: -7.284+/-0.548 χ^2/NDF:79.8/7

Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: -7.299+/-0.566 χ^2/NDF:72.3/6

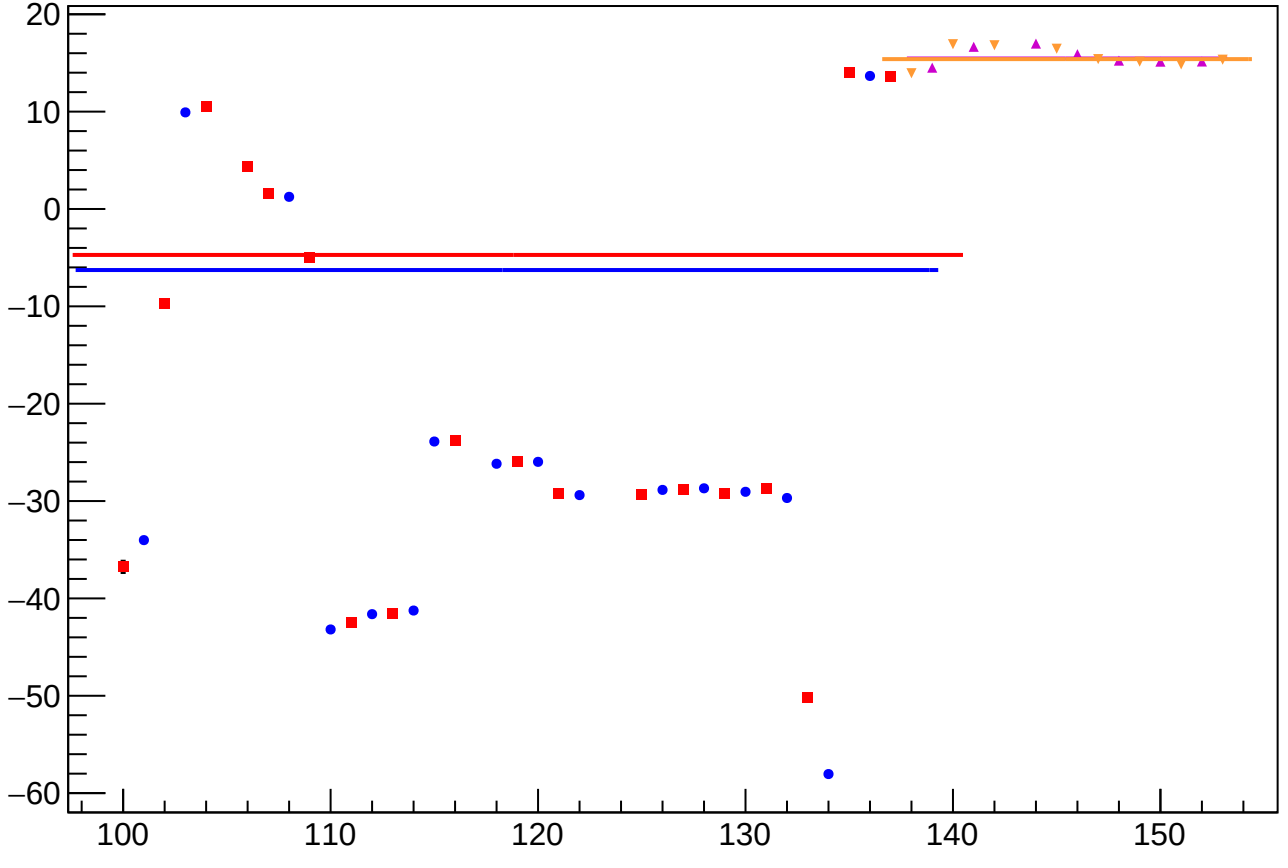
Left: -7.291+/-0.394 χ^2/NDF: 152.1/14

Right: 19.265+/-0.445 χ^2/NDF: 2740.4/33

In: 5.082+/-0.424 χ^2/NDF:2409.6/22

Out: 3.723+/-0.410 χ^2/NDF:2476.9/25

All: 4.380+/-0.295 χ^2/NDF: 4891.7/48



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 15.393+/-0.027 χ^2/NDF:1184.4/7

Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 15.456+/-0.027 χ^2/NDF:816.2/6

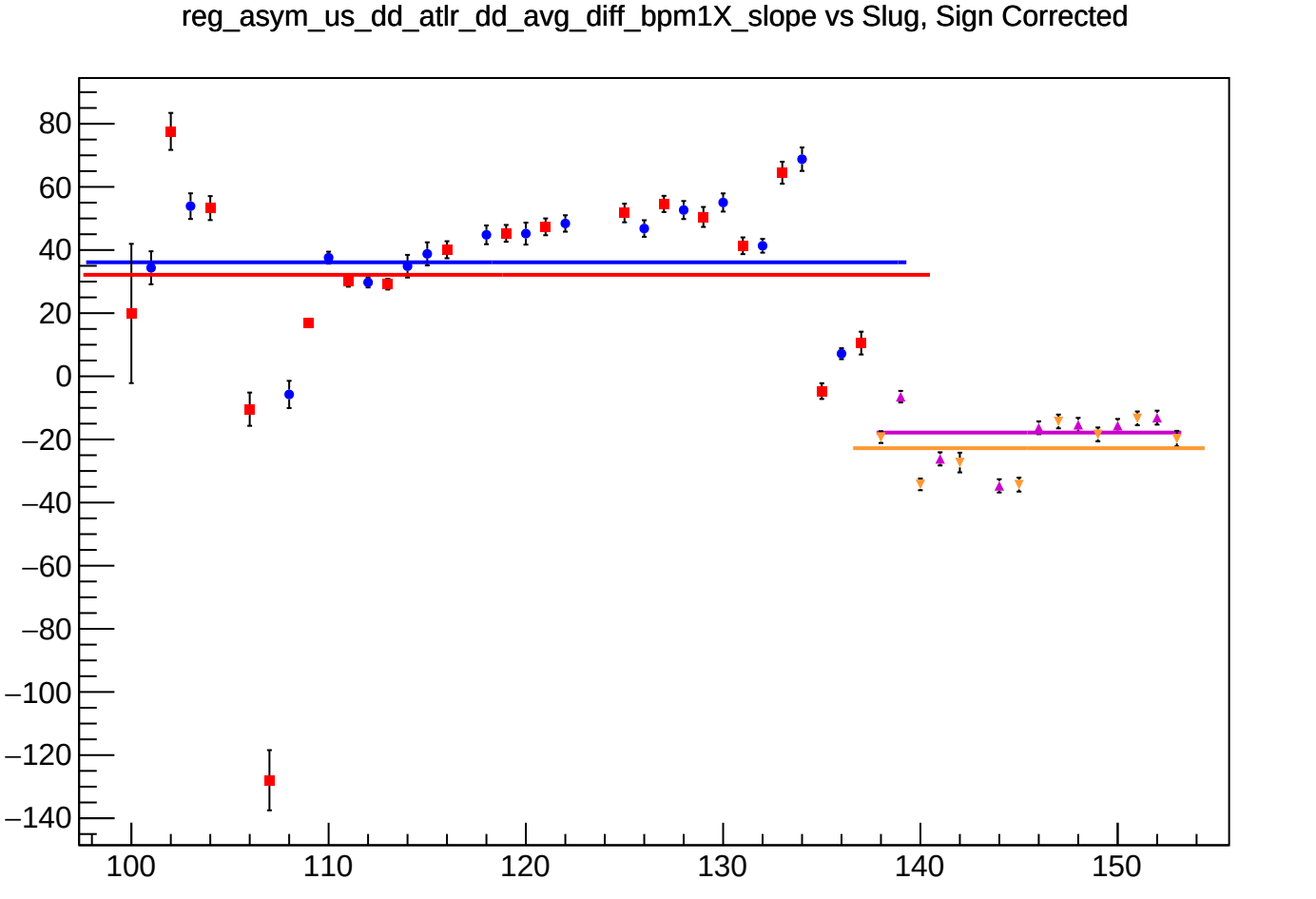
Left: 15.425+/-0.019 χ^2/NDF: 2003.3/14

Right: -5.502+/-0.024 χ^2/NDF: 718193.1/33

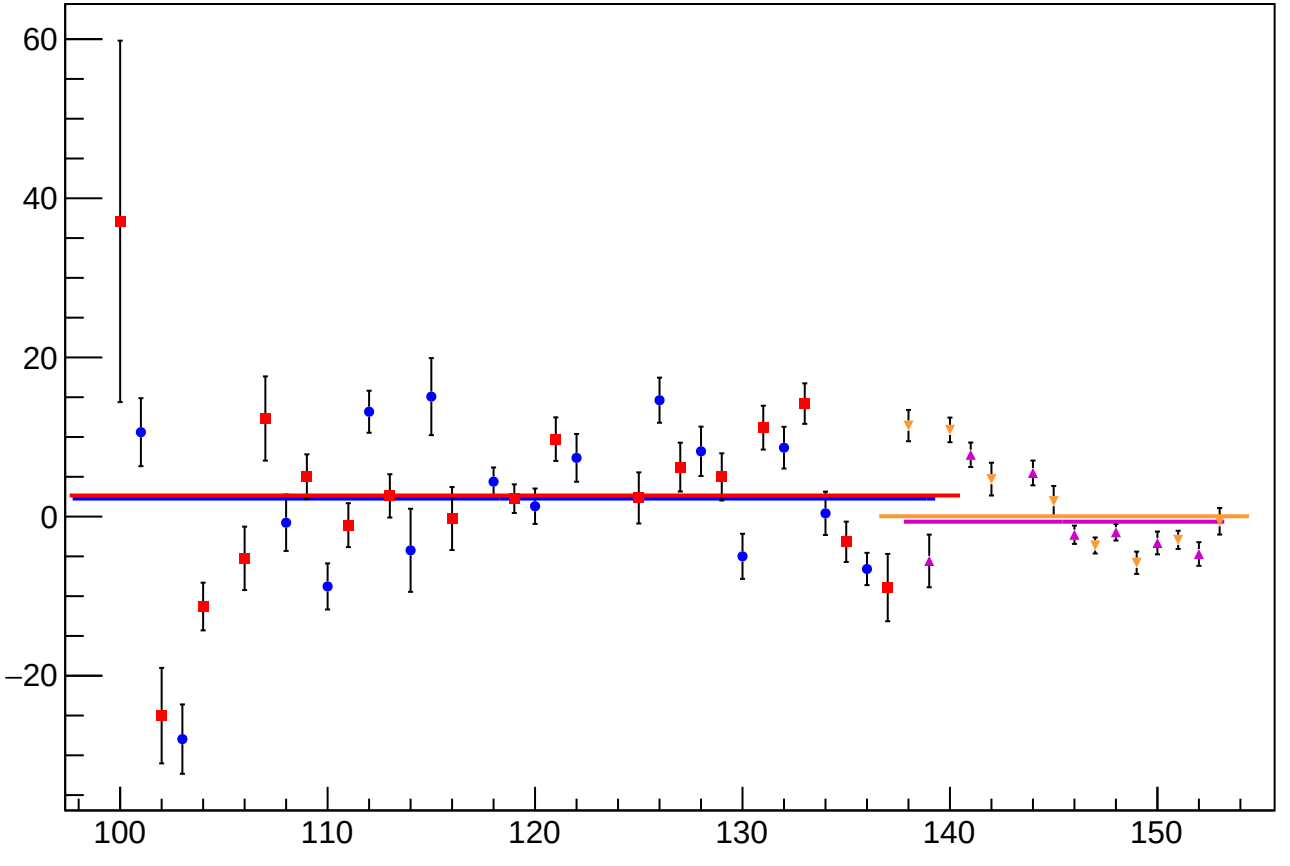
In: 7.001+/-0.021 χ^2/NDF:669515.2/22

Out: 7.610+/-0.021 χ^2/NDF:526362.0/25

All: 7.304+/-0.015 χ^2/NDF: 1196301.8/48


reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
Right In: 36.118+/-0.656 χ2/NDF: 622.8/15
Left Out: -22.771+/-0.772 χ2/NDF:110.5/7
Right Out: 32.150+/-0.631 χ2/NDF: 1114.6/17
Left In: -17.826+/-0.784 χ2/NDF:126.1/6
Left: -20.336+/-0.550 χ2/NDF: 256.9/14
Right: 34.055+/-0.455 χ2/NDF: 1756.4/33
In: 13.883+/-0.503 χ2/NDF:3532.6/22
Out: 10.172+/-0.488 χ2/NDF:4260.4/25
All: 11.972+/-0.350 χ2/NDF: 7821.0/48

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.265+/-0.701 χ^2/NDF: 152.0/15

Left Out: 0.041+/-0.513 χ^2/NDF:126.3/7

Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

Left In: -0.642+/-0.530 χ^2/NDF:62.2/6

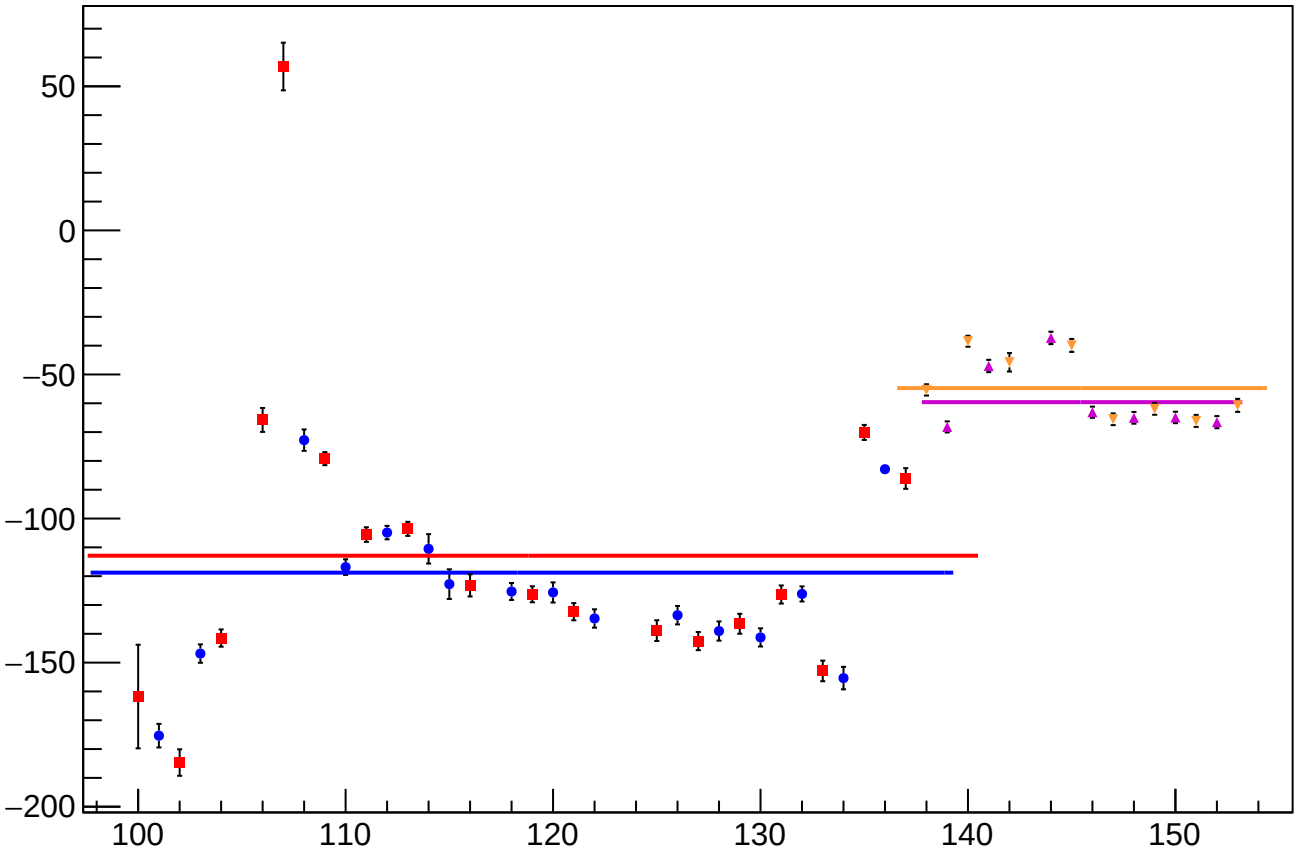
Left: -0.289+/-0.369 χ^2/NDF: 189.3/14

Right: 2.454+/-0.501 χ^2/NDF: 259.4/33

In: 0.415+/-0.423 χ^2/NDF:225.1/22

Out: 0.927+/-0.417 χ^2/NDF:242.3/25

All: 0.674+/-0.297 χ^2/NDF: 468.2/48



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -54.730+/-0.759 χ^2/NDF:201.3/7

Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -59.605+/-0.771 χ^2/NDF:188.5/6

Left: -57.131+/-0.541 χ^2/NDF: 410.1/14

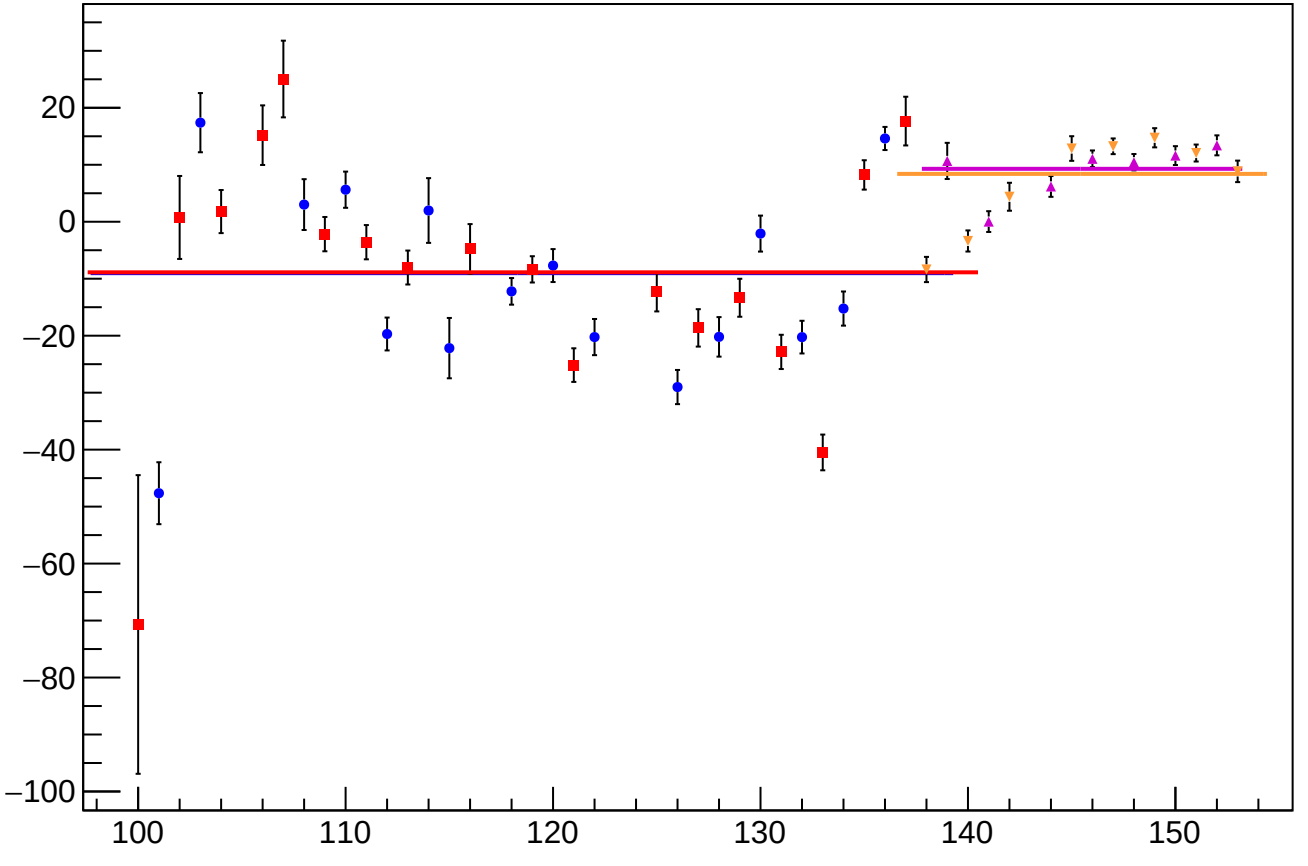
Right: -115.855+/-0.537 χ^2/NDF: 3012.4/33

In: -89.734+/-0.540 χ^2/NDF:4308.6/22

Out: -83.751+/-0.537 χ^2/NDF:4992.2/25

All: -86.728+/-0.381 χ^2/NDF: 9362.4/48

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -9.022+/-0.796 χ^2/NDF: 358.0/15

Left Out: 8.398+/-0.634 χ^2/NDF:137.4/7

Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 9.289+/-0.653 χ^2/NDF:38.4/6

Left: 8.830+/-0.455 χ^2/NDF: 176.8/14

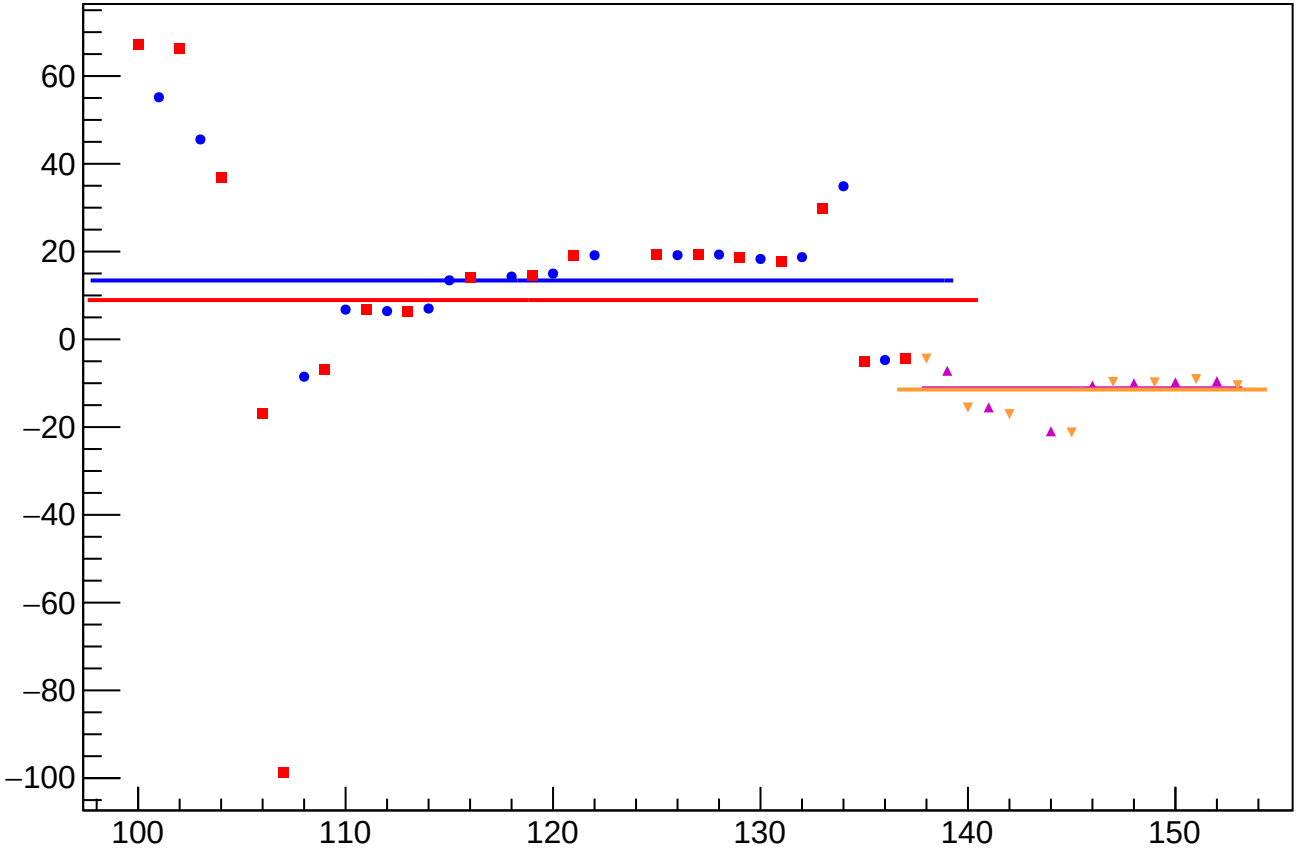
Right: -8.951+/-0.568 χ^2/NDF: 676.8/33

In: 1.918+/-0.505 χ^2/NDF:712.8/22

Out: 1.838+/-0.499 χ^2/NDF:738.0/25

All: 1.877+/-0.355 χ^2/NDF: 1450.8/48

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: -11.439+/-0.031 χ^2/NDF:26457.8/7

Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -11.160+/-0.031 χ^2/NDF:17105.6/6

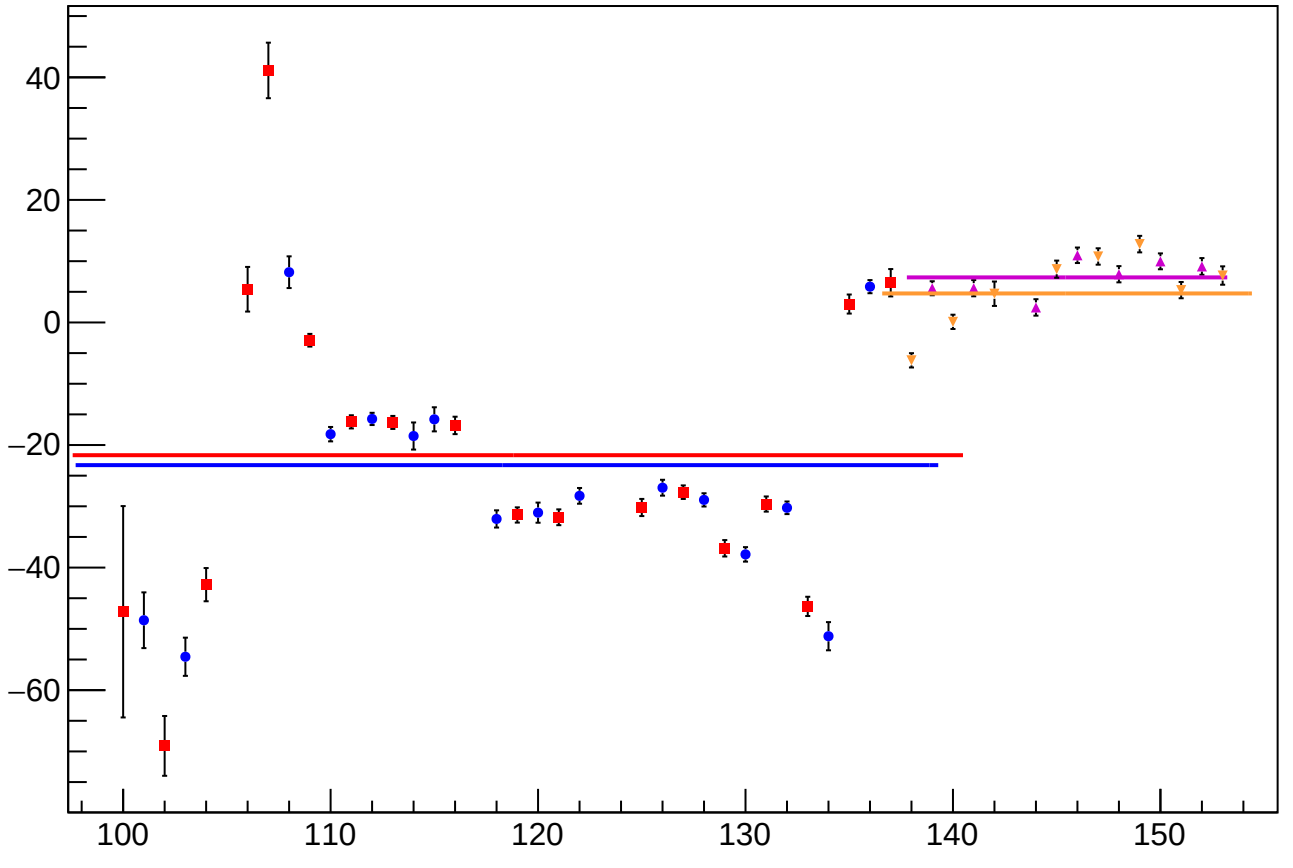
Left: -11.300+/-0.022 χ^2/NDF: 43605.1/14

Right: 11.280+/-0.033 χ^2/NDF: 479481.6/33

In: -3.466+/-0.025 χ^2/NDF:403076.2/22

Out: -5.443+/-0.026 χ^2/NDF:448098.0/25

All: -4.440+/-0.018 χ^2/NDF: 854174.2/48



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: 4.735+/-0.479 χ^2/NDF:171.2/7

Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 7.354+/-0.487 χ^2/NDF:31.6/6

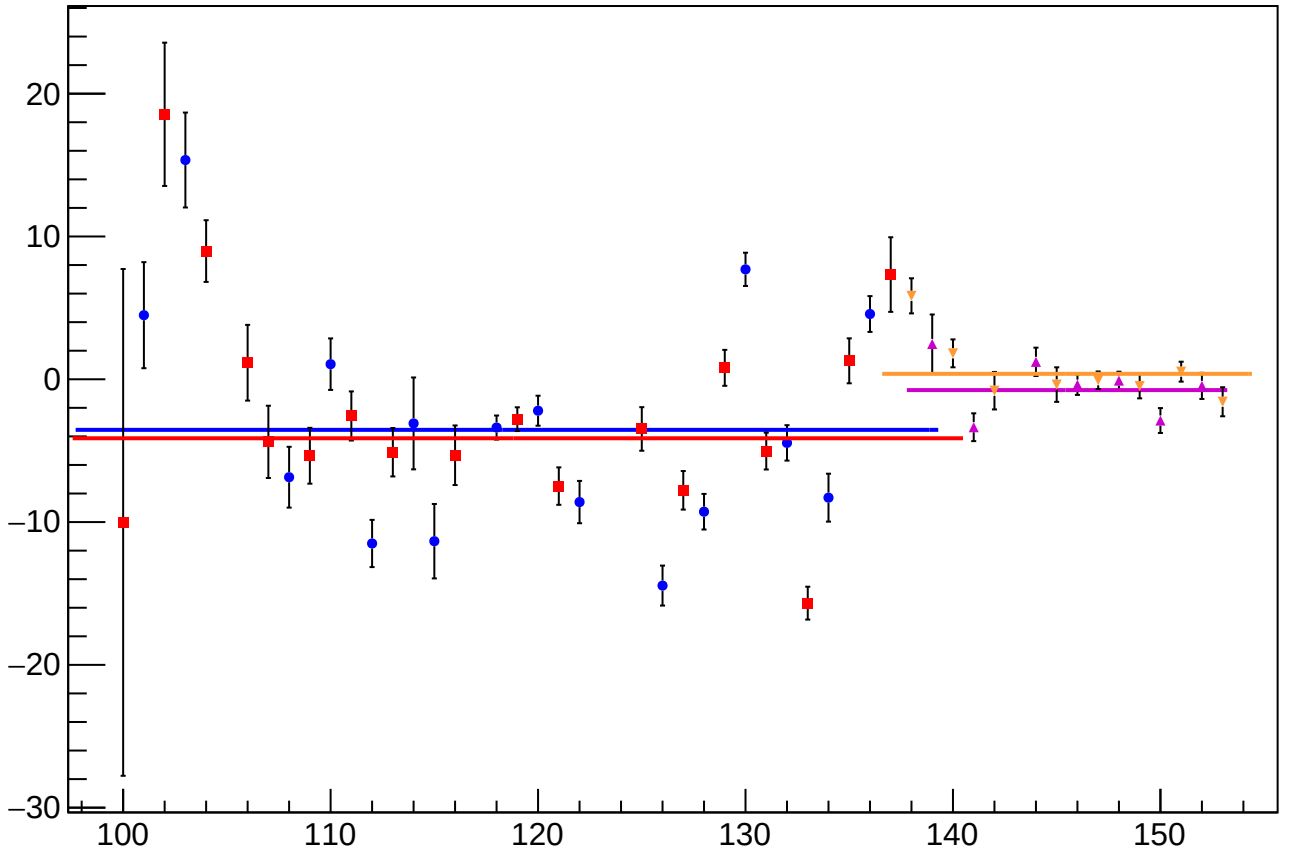
Left: 6.024+/-0.341 χ^2/NDF: 217.6/14

Right: -22.463+/-0.247 χ^2/NDF: 3392.3/33

In: -12.822+/-0.284 χ^2/NDF:4209.2/22

Out: -12.570+/-0.281 χ^2/NDF:3973.6/25

All: -12.695+/-0.200 χ^2/NDF: 8183.2/48



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 0.381+/-0.316 χ^2/NDF:28.4/7

Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: -0.758+/-0.327 χ^2/NDF:21.1/6

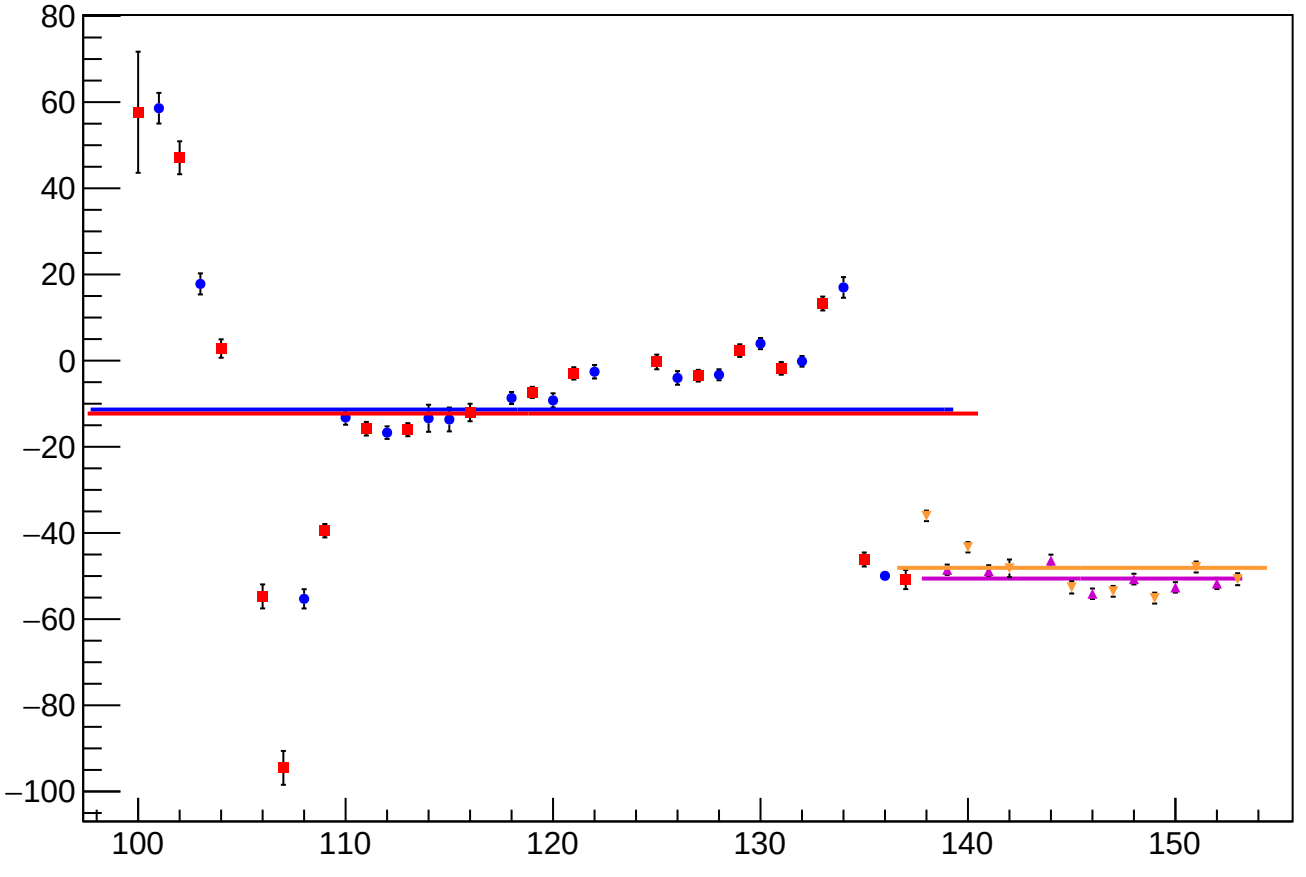
Left: -0.169+/-0.227 χ^2/NDF: 55.7/14

Right: -3.830+/-0.259 χ^2/NDF: 545.5/33

In: -2.006+/-0.243 χ^2/NDF:370.3/22

Out: -1.521+/-0.241 χ^2/NDF:341.6/25

All: -1.762+/-0.171 χ^2/NDF: 713.9/48



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -48.095+/-0.471 χ^2/NDF:177.8/7

Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -50.581+/-0.478 χ^2/NDF:25.8/6

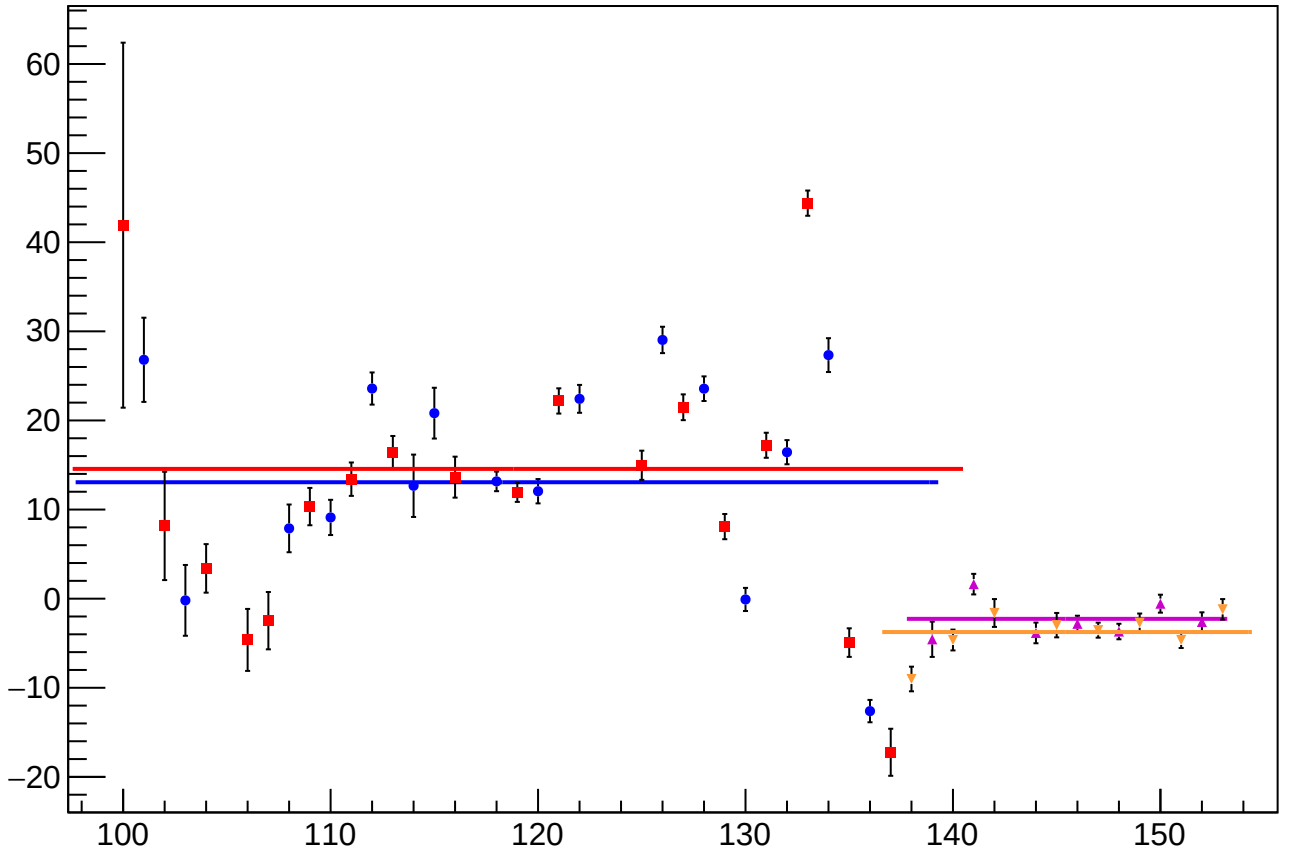
Left: -49.319+/-0.335 χ^2/NDF: 217.4/14

Right: -11.809+/-0.289 χ^2/NDF: 5254.6/33

In: -27.783+/-0.309 χ^2/NDF:6603.0/22

Out: -27.869+/-0.310 χ^2/NDF:6038.8/25

All: -27.826+/-0.219 χ^2/NDF: 12641.8/48



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -3.745+/-0.392 χ^2/NDF:24.3/7

Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -2.264+/-0.404 χ^2/NDF:20.6/6

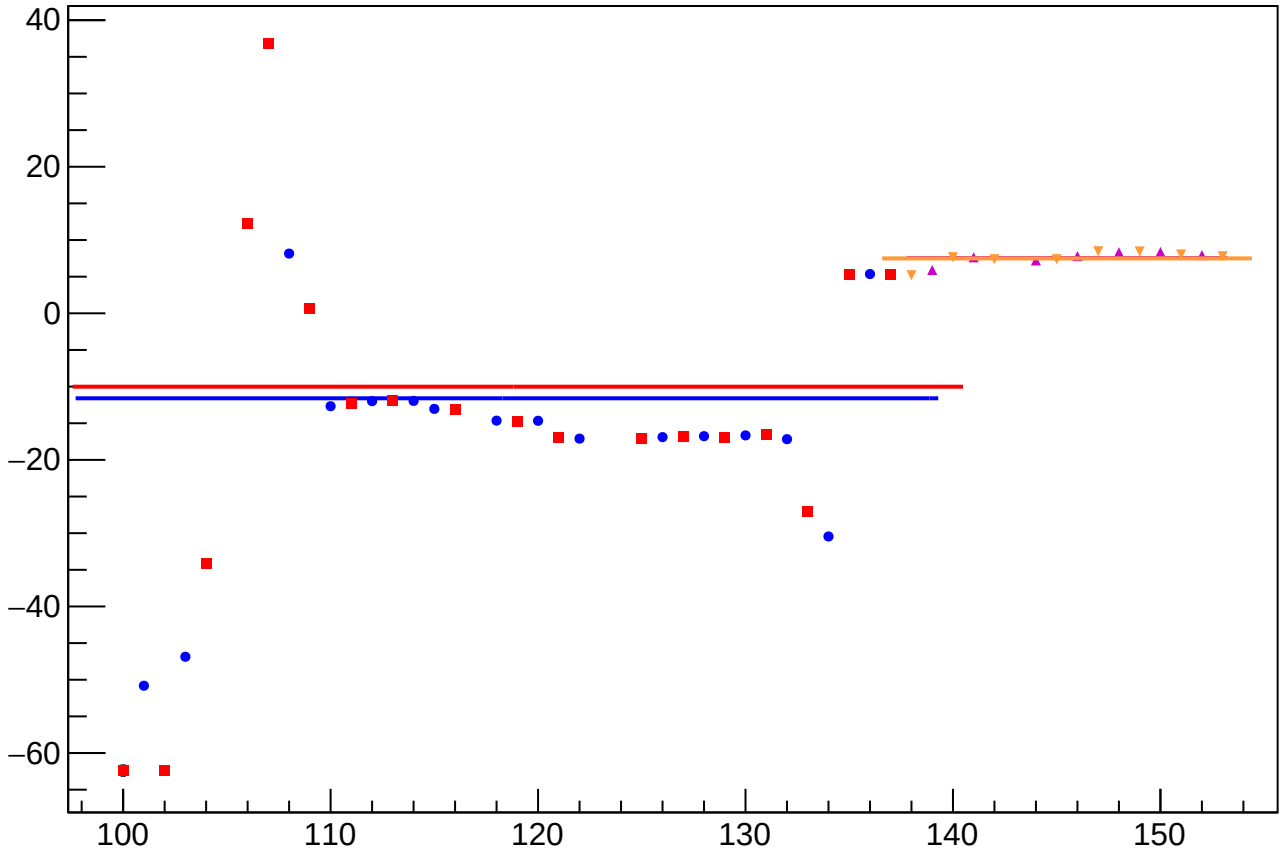
Left: -3.027+/-0.281 χ^2/NDF: 51.8/14

Right: 13.801+/-0.296 χ^2/NDF: 1772.9/33

In: 5.196+/-0.289 χ^2/NDF:1585.4/22

Out: 4.719+/-0.287 χ^2/NDF:1937.0/25

All: 4.956+/-0.204 χ^2/NDF: 3523.8/48



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 7.494+/-0.019 χ^2/NDF:3105.2/7

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

Left In: 7.540+/-0.019 χ^2/NDF:2130.0/6

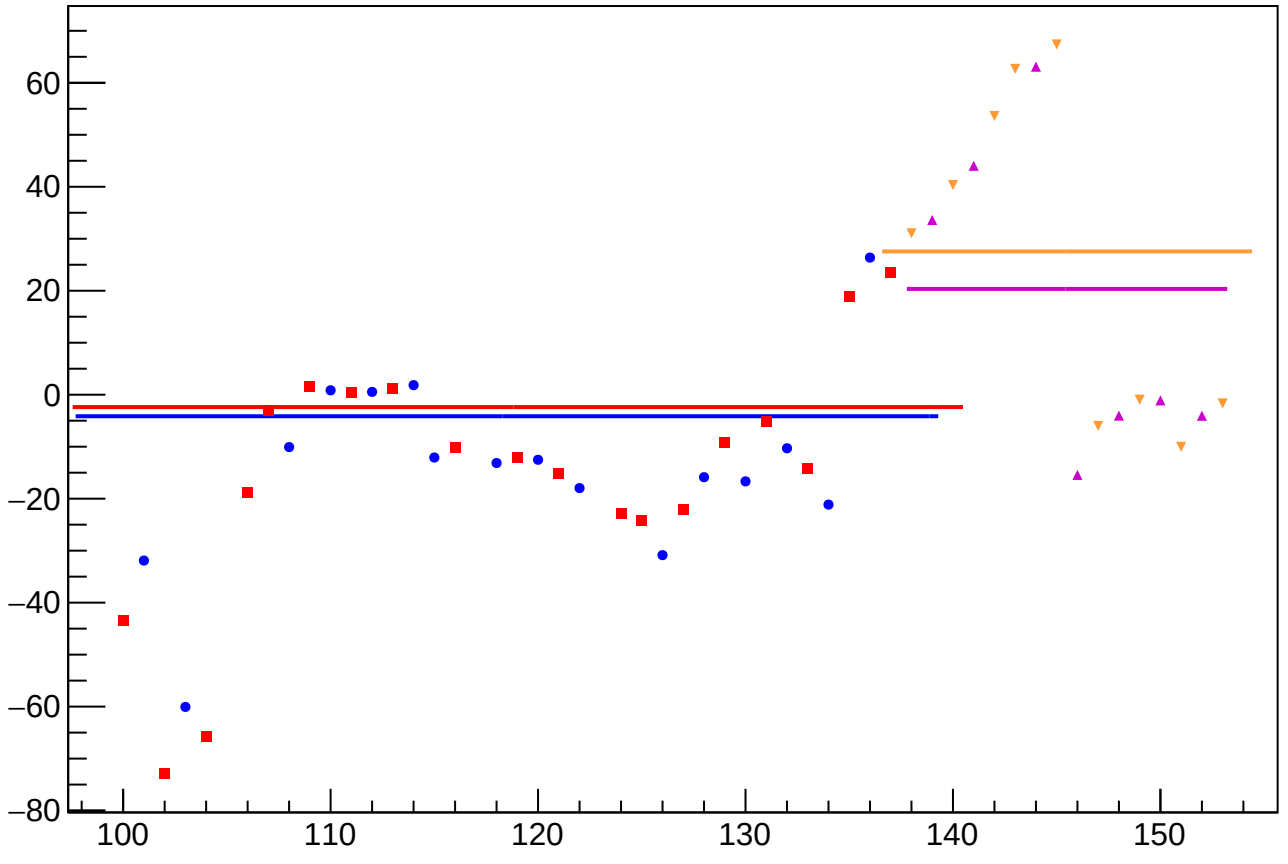
Left: 7.517+/-0.013 χ^2/NDF: 5238.1/14

Right: -10.837+/-0.019 χ^2/NDF: 758546.1/33

In: 1.008+/-0.015 χ^2/NDF:711095.2/22

Out: 1.840+/-0.016 χ^2/NDF:674853.2/25

All: 1.418+/-0.011 χ^2/NDF: 1387392.1/48



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 27.561+/-0.092 χ^2/NDF:78897.0/8

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

Left In: 20.353+/-0.094 χ^2/NDF:76942.2/6

Left: 24.026+/-0.066 χ^2/NDF: 158837.5/15

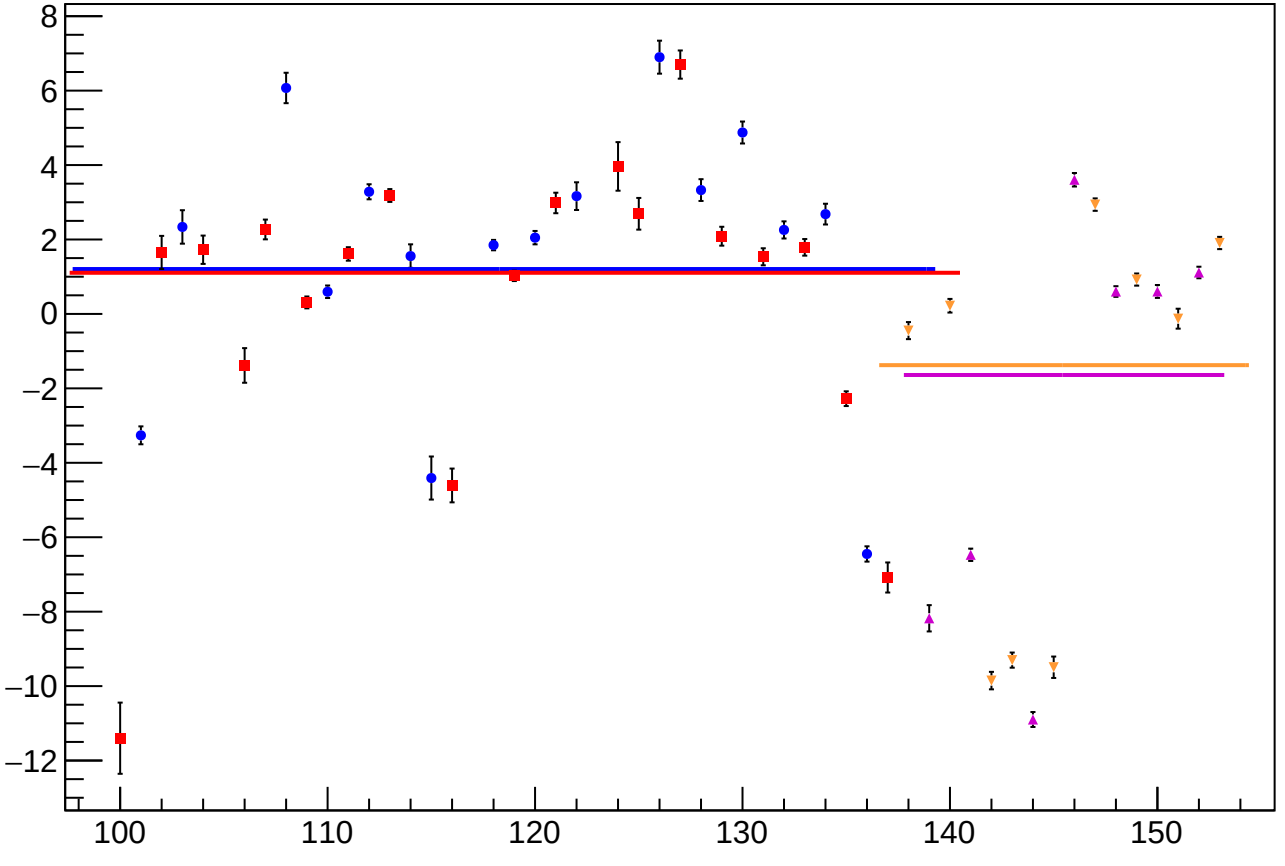
Right: -3.115+/-0.035 χ^2/NDF: 156619.4/34

In: 2.050+/-0.047 χ^2/NDF:202967.8/22

Out: 3.616+/-0.041 χ^2/NDF:244030.3/27

All: 2.939+/-0.031 χ^2/NDF: 447621.3/50

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: -1.376+/-0.066 χ^2/NDF:4986.1/8

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

Left In: -1.641+/-0.067 χ^2/NDF:4871.1/6

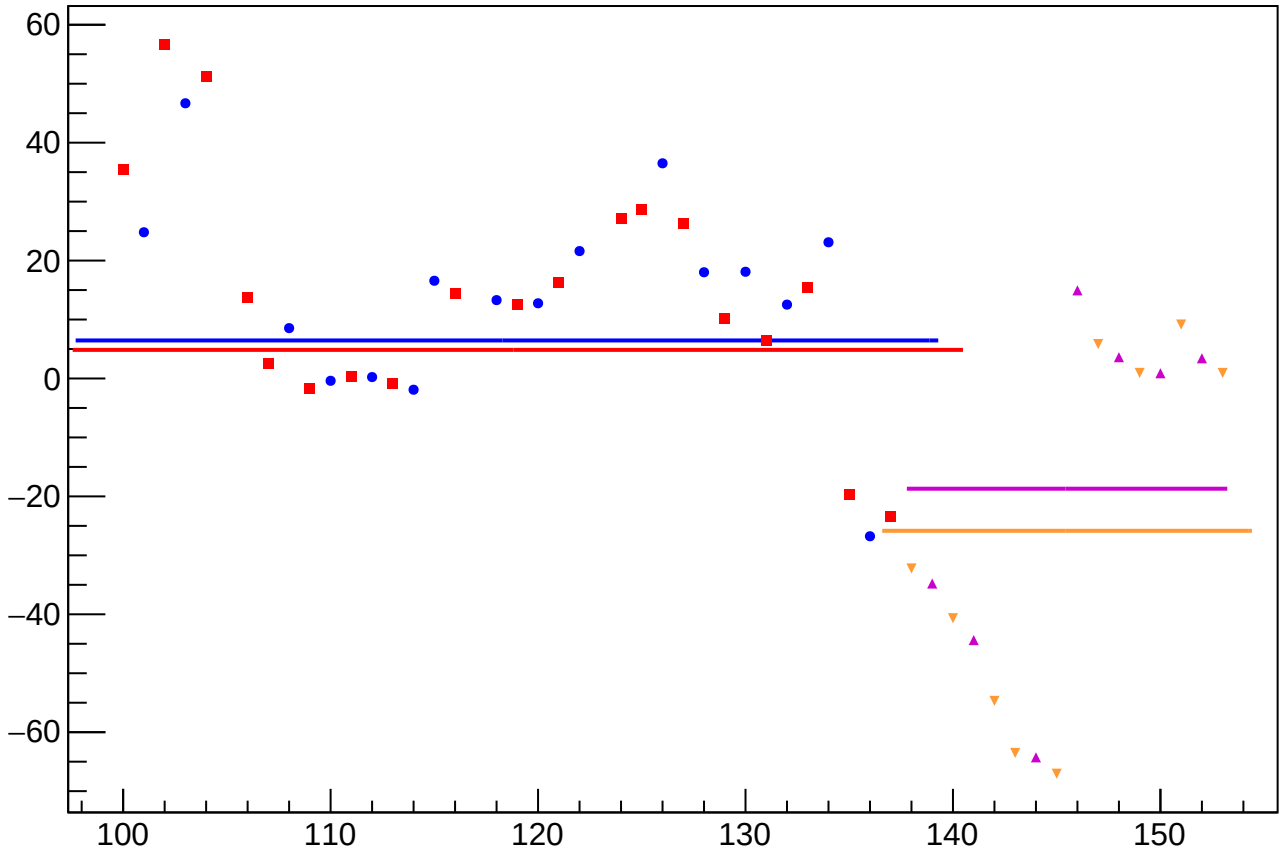
Left: -1.507+/-0.047 χ^2/NDF: 9865.0/15

Right: 1.153+/-0.042 χ^2/NDF: 4173.1/34

In: -0.071+/-0.045 χ^2/NDF:8451.1/22

Out: 0.048+/-0.043 χ^2/NDF:7375.4/27

All: -0.010+/-0.031 χ^2/NDF: 15830.1/50



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -25.837+/-0.091 χ^2/NDF:82678.1/8

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

Left In: -18.698+/-0.092 χ^2/NDF:80077.3/6

Left: -22.307+/-0.065 χ^2/NDF: 165768.5/15

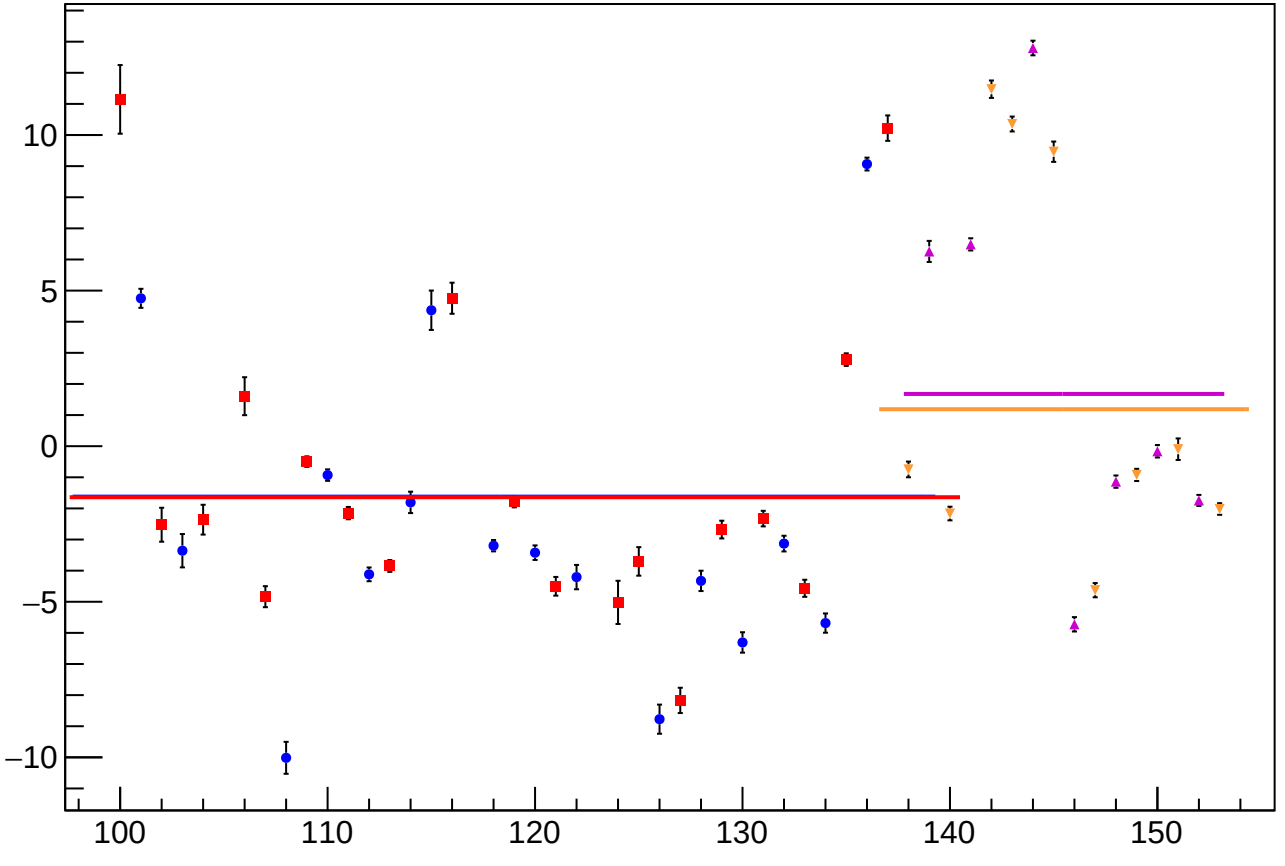
Right: 5.576+/-0.044 χ^2/NDF: 146268.1/34

In: -1.900+/-0.053 χ^2/NDF:200152.6/22

Out: -4.198+/-0.050 χ^2/NDF:237338.1/27

All: -3.130+/-0.036 χ^2/NDF: 438485.4/50

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: 1.187+/-0.080 χ^2/NDF:4819.2/8

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

Left In: 1.679+/-0.081 χ^2/NDF:4695.2/6

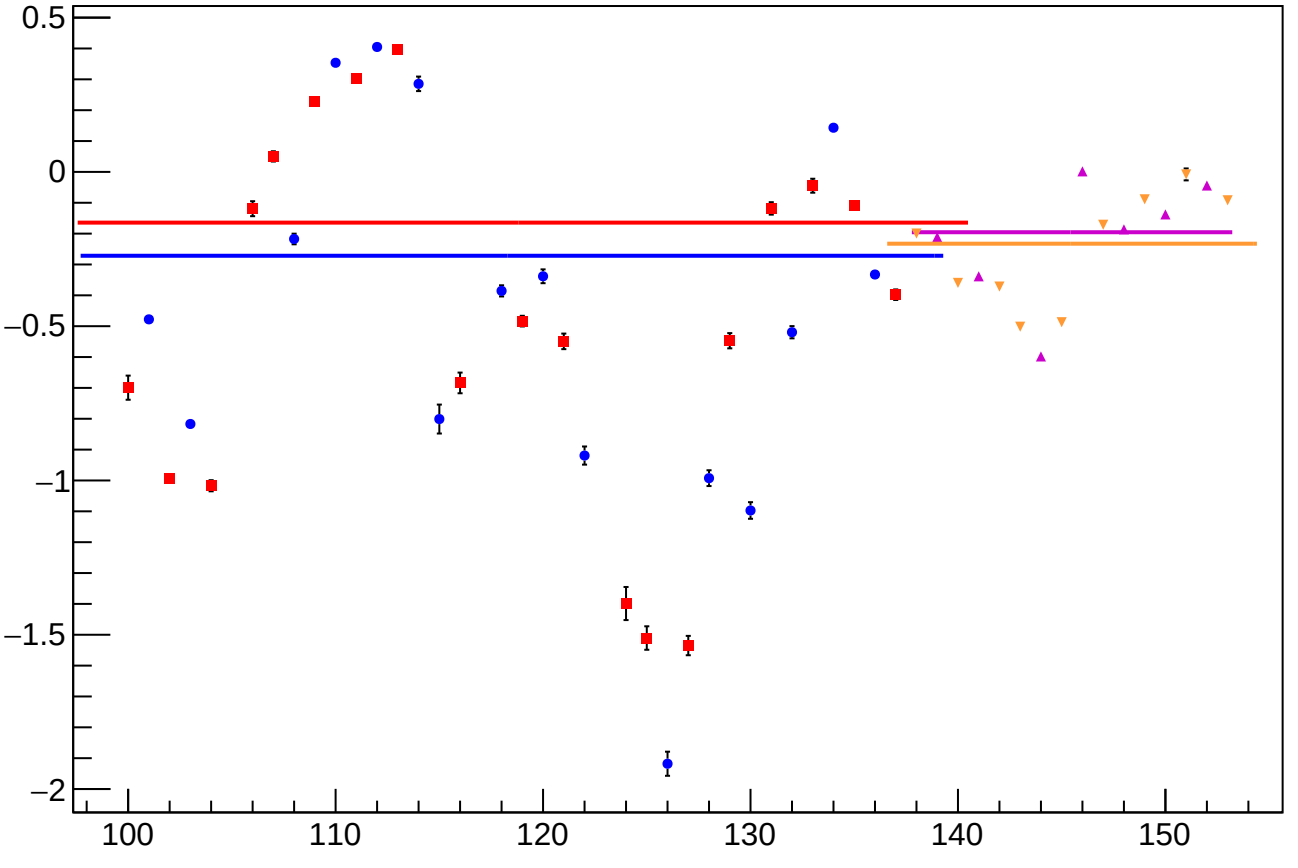
Left: 1.429+/-0.057 χ^2/NDF: 9533.2/15

Right: -1.632+/-0.047 χ^2/NDF: 6987.4/34

In: -0.214+/-0.053 χ^2/NDF:10179.6/22

Out: -0.517+/-0.050 χ^2/NDF:8043.0/27

All: -0.373+/-0.036 χ^2/NDF: 18240.0/50



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.233+/-0.004 χ^2/NDF:1814.4/8

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

Left In: -0.195+/-0.004 χ^2/NDF:1921.6/6

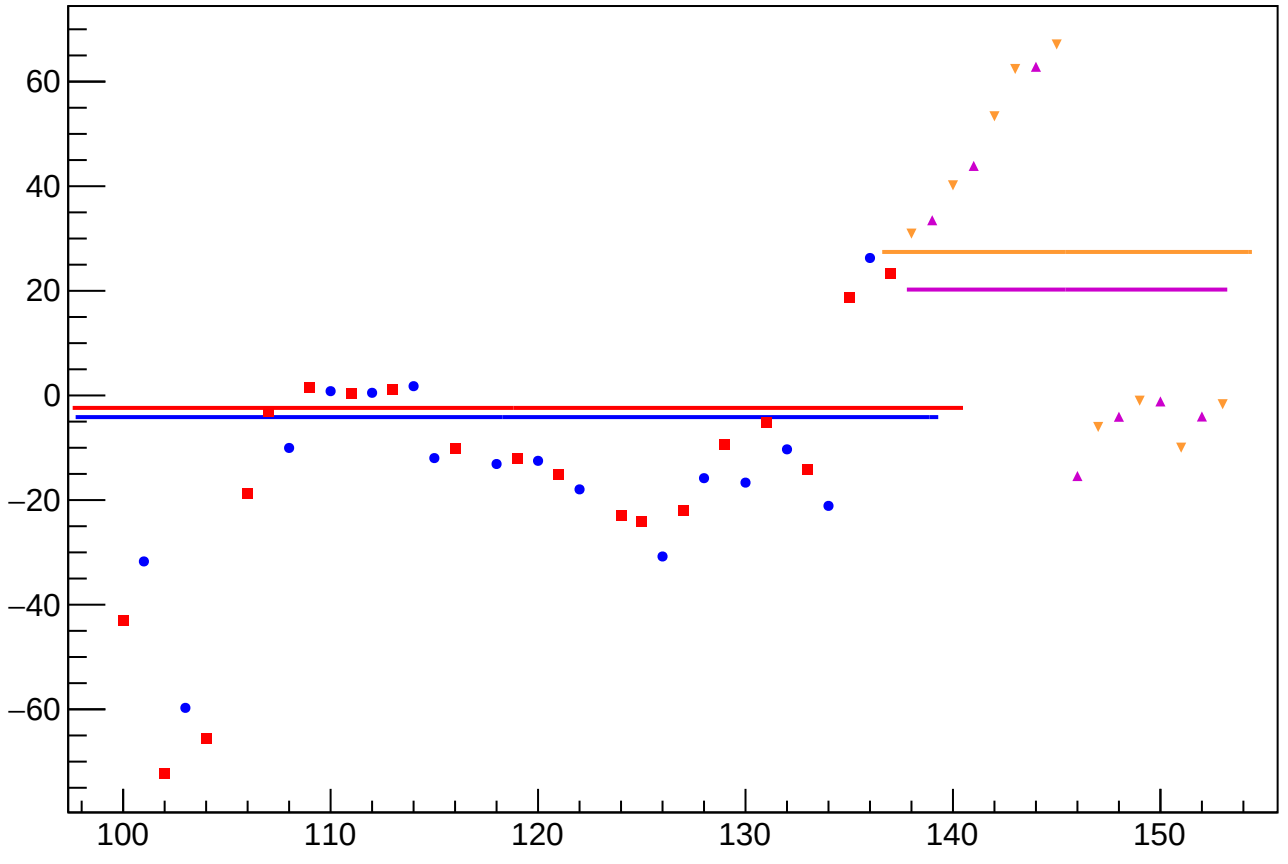
Left: -0.214+/-0.003 χ^2/NDF: 3789.4/15

Right: -0.213+/-0.003 χ^2/NDF: 27909.3/34

In: -0.228+/-0.003 χ^2/NDF:14163.6/22

Out: -0.200+/-0.003 χ^2/NDF:17480.7/27

All: -0.214+/-0.002 χ^2/NDF: 31698.6/50



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 27.434+/-0.092 χ^2/NDF:78838.0/8

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

Left In: 20.240+/-0.094 χ^2/NDF:76963.0/6

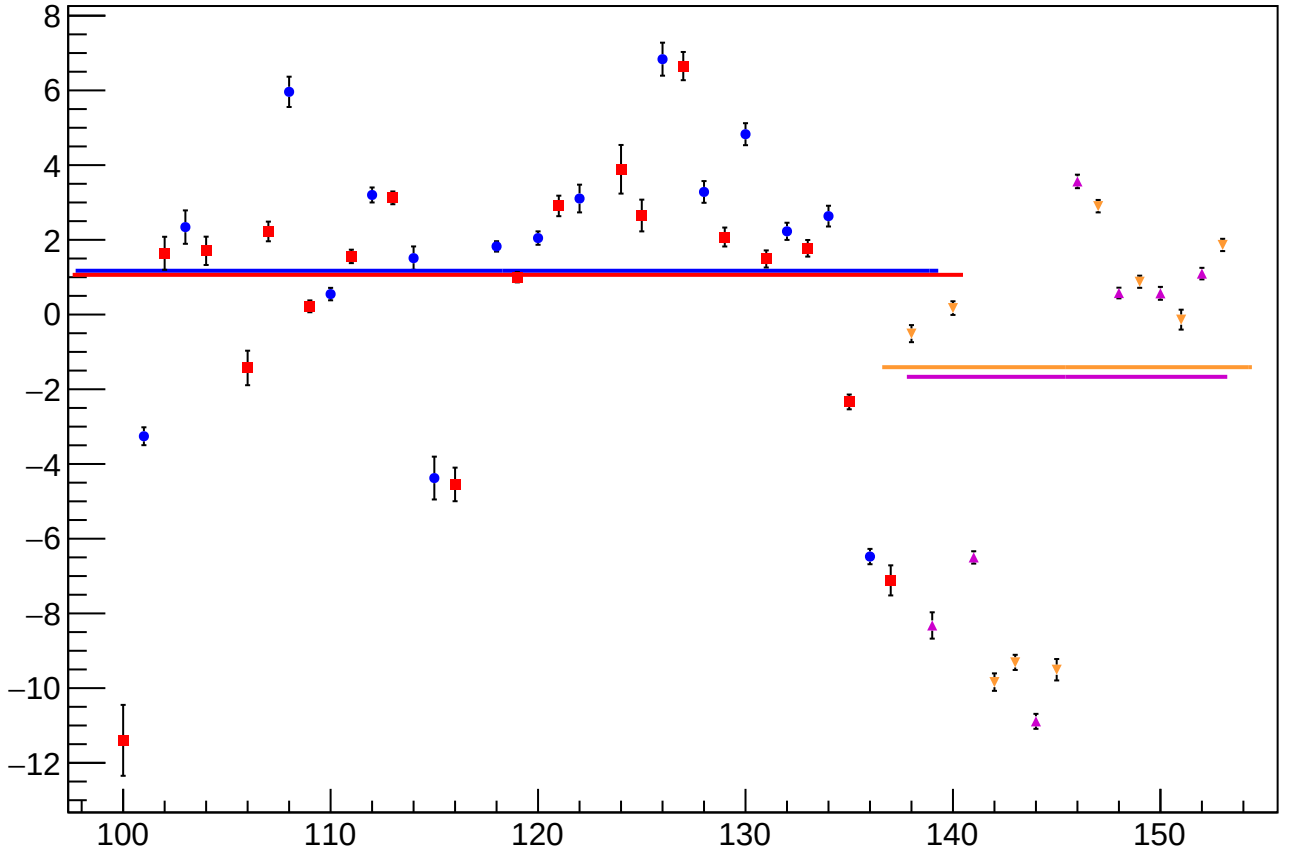
Left: 23.906+/-0.066 χ^2/NDF: 158807.4/15

Right: -3.111+/-0.035 χ^2/NDF: 156520.4/34

In: 2.002+/-0.047 χ^2/NDF:202893.1/22

Out: 3.563+/-0.041 χ^2/NDF:243827.9/27

All: 2.888+/-0.031 χ^2/NDF: 447347.5/50



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: -1.409+/-0.066 χ^2/NDF:4986.5/8

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

Left In: -1.667+/-0.067 χ^2/NDF:4897.4/6

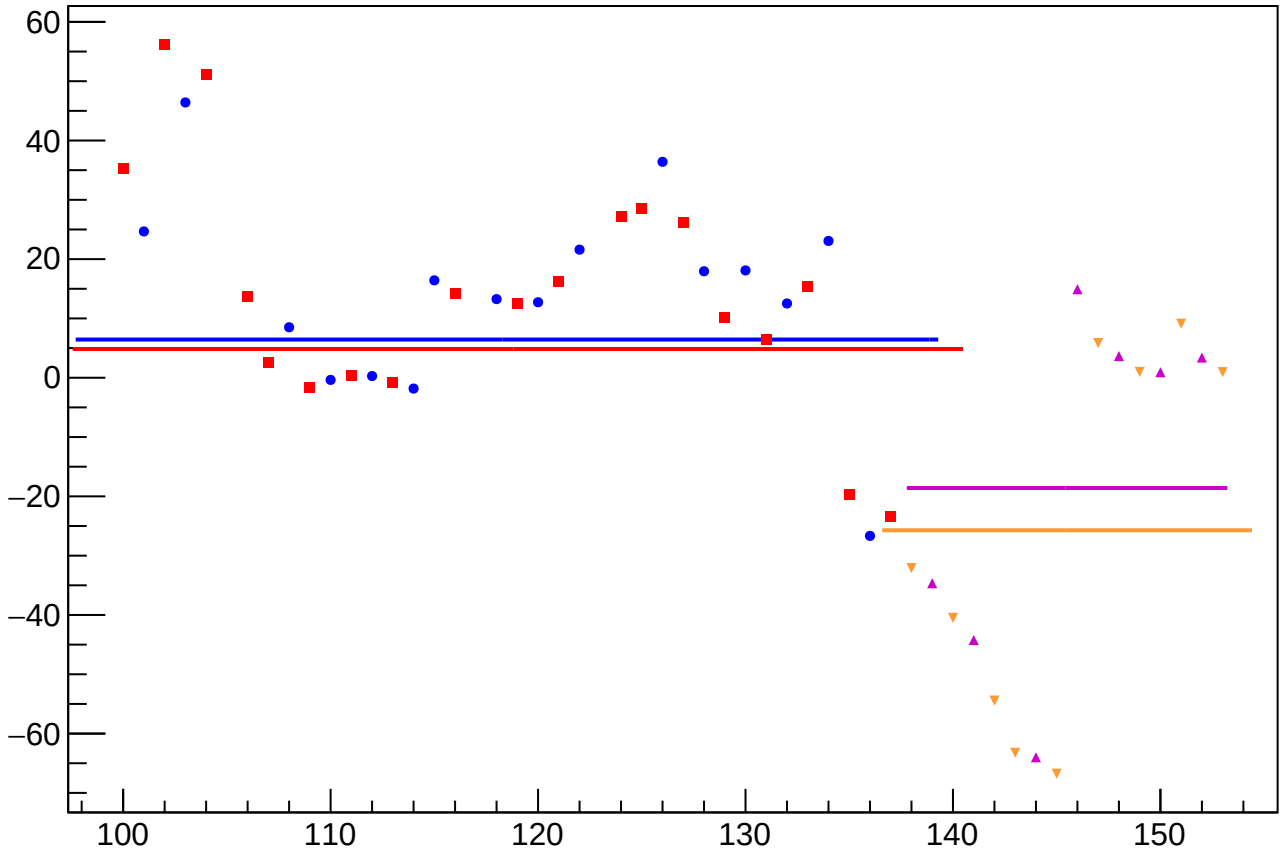
Left: -1.537+/-0.047 χ^2/NDF: 9891.4/15

Right: 1.115+/-0.041 χ^2/NDF: 4182.7/34

In: -0.099+/-0.045 χ^2/NDF:8480.8/22

Out: 0.011+/-0.043 χ^2/NDF:7384.9/27

All: -0.042+/-0.031 χ^2/NDF: 15868.8/50



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -25.716+/-0.091 χ^2/NDF:82610.7/8

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

Left In: -18.590+/-0.092 χ^2/NDF:80086.7/6

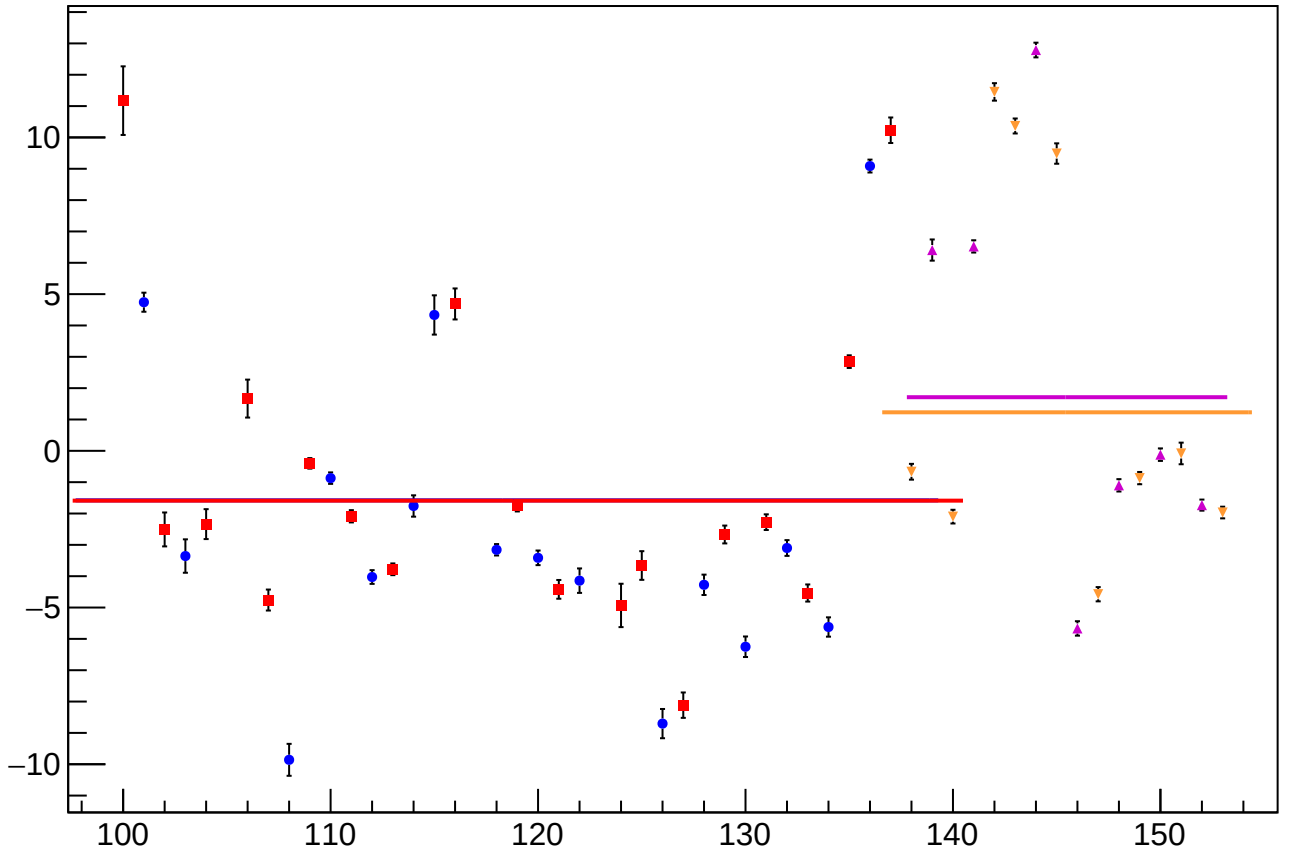
Left: -22.192+/-0.065 χ^2/NDF: 165719.4/15

Right: 5.568+/-0.044 χ^2/NDF: 146121.3/34

In: -1.849+/-0.053 χ^2/NDF:200065.1/22

Out: -4.137+/-0.049 χ^2/NDF:237142.8/27

All: -3.074+/-0.036 χ^2/NDF: 438203.6/50



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: 1.229+/-0.079 χ^2/NDF:4813.5/8

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

Left In: 1.711+/-0.080 χ^2/NDF:4717.6/6

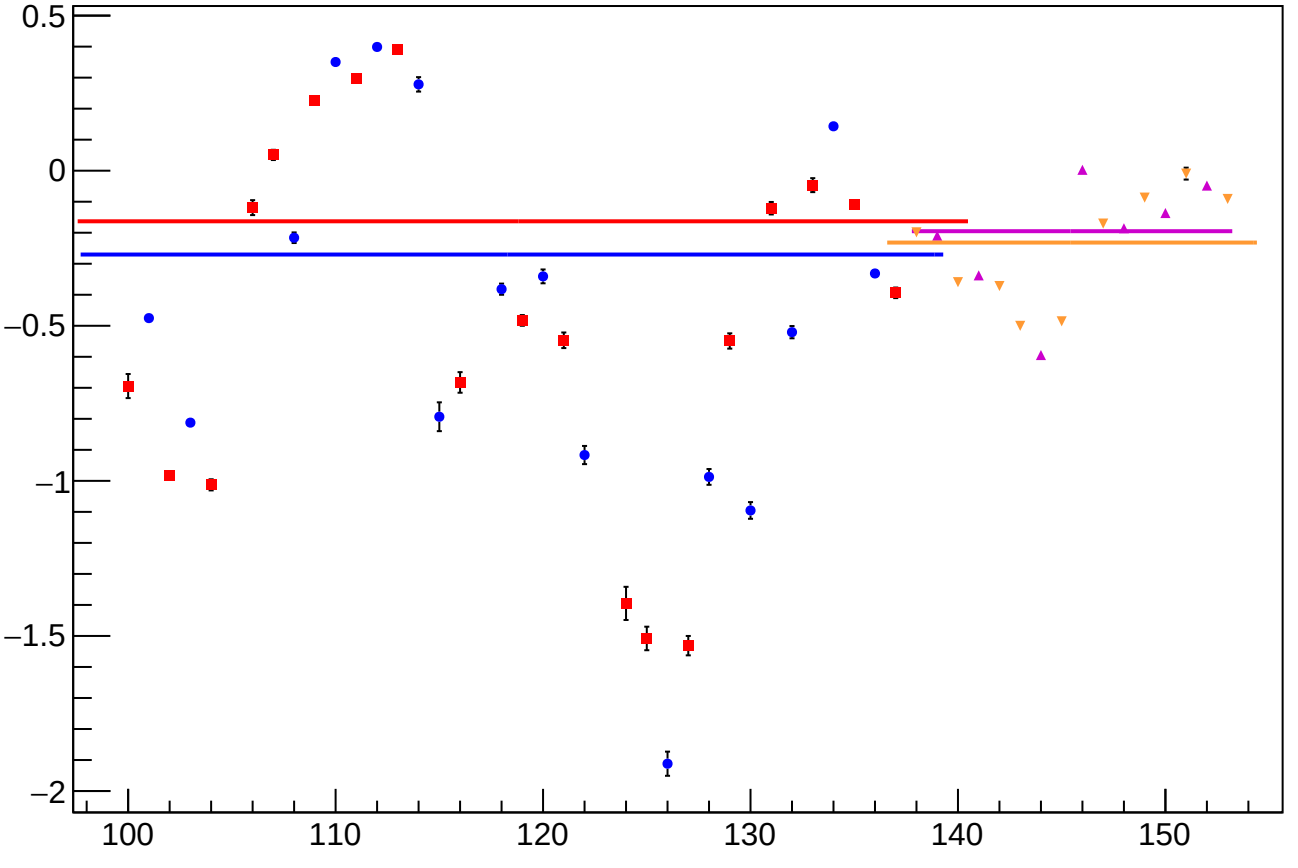
Left: 1.467+/-0.056 χ^2/NDF: 9549.4/15

Right: -1.585+/-0.047 χ^2/NDF: 6996.4/34

In: -0.179+/-0.052 χ^2/NDF:10203.9/22

Out: -0.472+/-0.050 χ^2/NDF:8048.6/27

All: -0.333+/-0.036 χ^2/NDF: 18268.9/50



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.232+/-0.004 χ^2/NDF:1827.0/8

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

Left In: -0.195+/-0.004 χ^2/NDF:1895.8/6

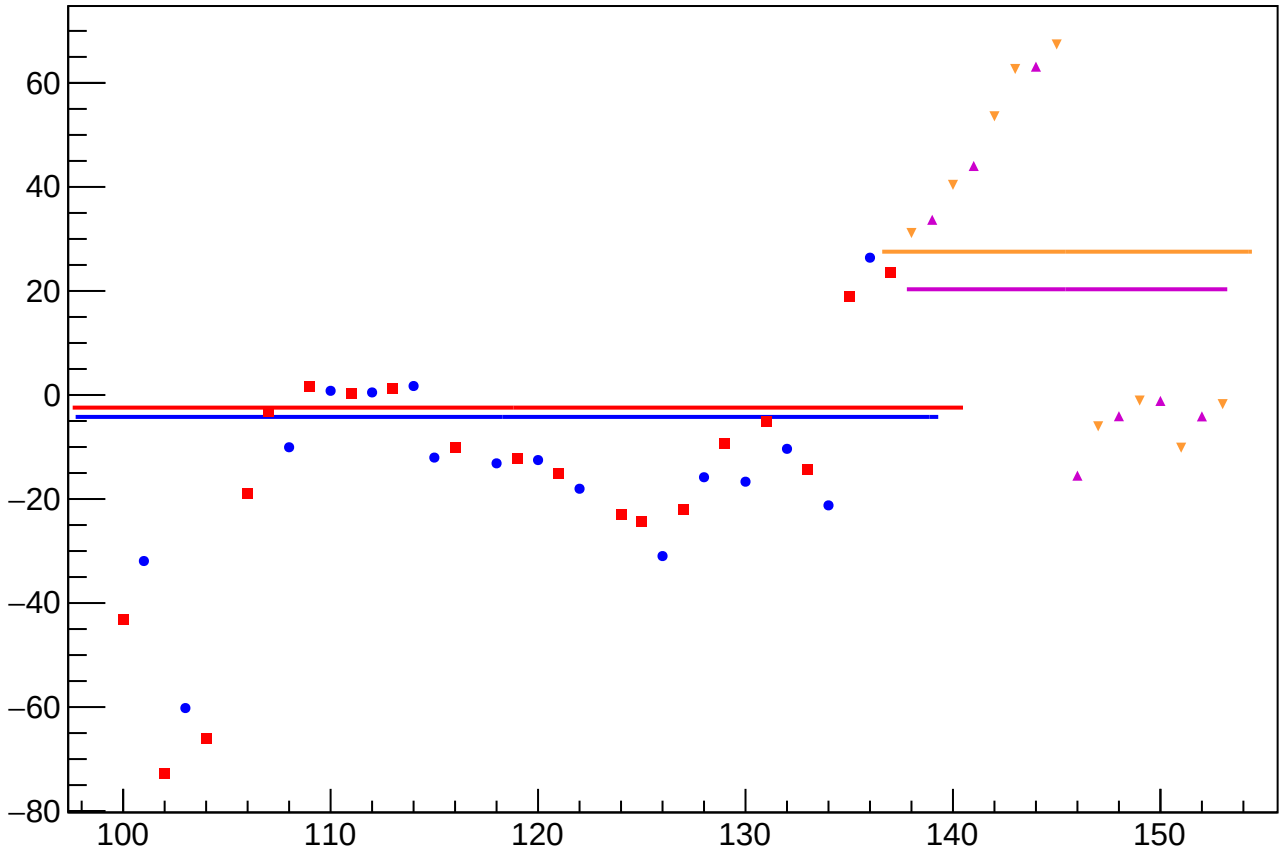
Left: -0.213+/-0.003 χ^2/NDF: 3775.0/15

Right: -0.212+/-0.003 χ^2/NDF: 27912.3/34

In: -0.227+/-0.003 χ^2/NDF:14122.4/22

Out: -0.199+/-0.003 χ^2/NDF:17509.0/27

All: -0.213+/-0.002 χ^2/NDF: 31687.4/50



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 27.552+/-0.092 χ^2/NDF:79055.7/8

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

Left In: 20.324+/-0.094 χ^2/NDF:77041.8/6

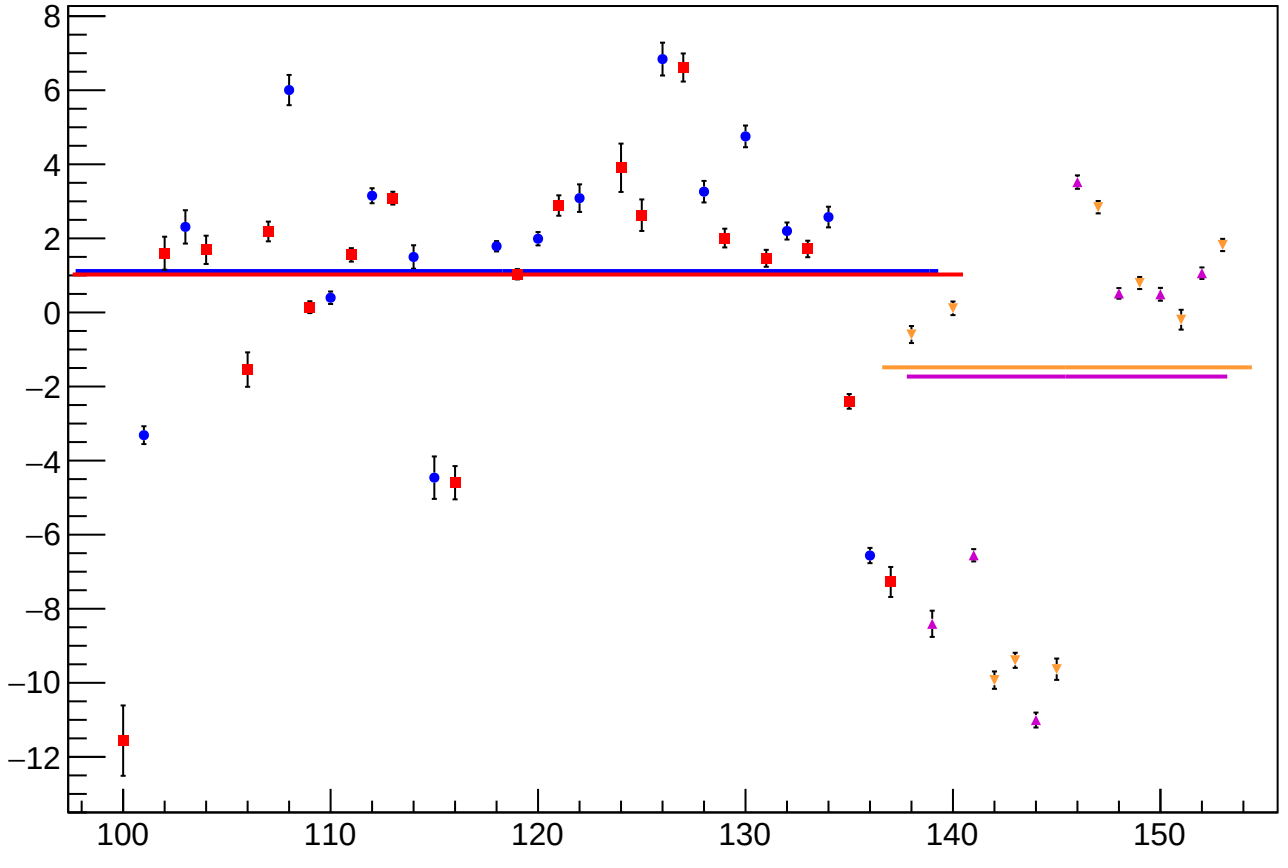
Left: 24.008+/-0.066 χ^2/NDF: 159106.1/15

Right: -3.171+/-0.035 χ^2/NDF: 156563.0/34

In: 1.987+/-0.047 χ^2/NDF:203099.7/22

Out: 3.578+/-0.041 χ^2/NDF:244198.1/27

All: 2.890+/-0.031 χ^2/NDF: 447939.5/50



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: -1.482+/-0.066 χ^2/NDF:4977.2/8

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

Left In: -1.731+/-0.067 χ^2/NDF:4888.2/6

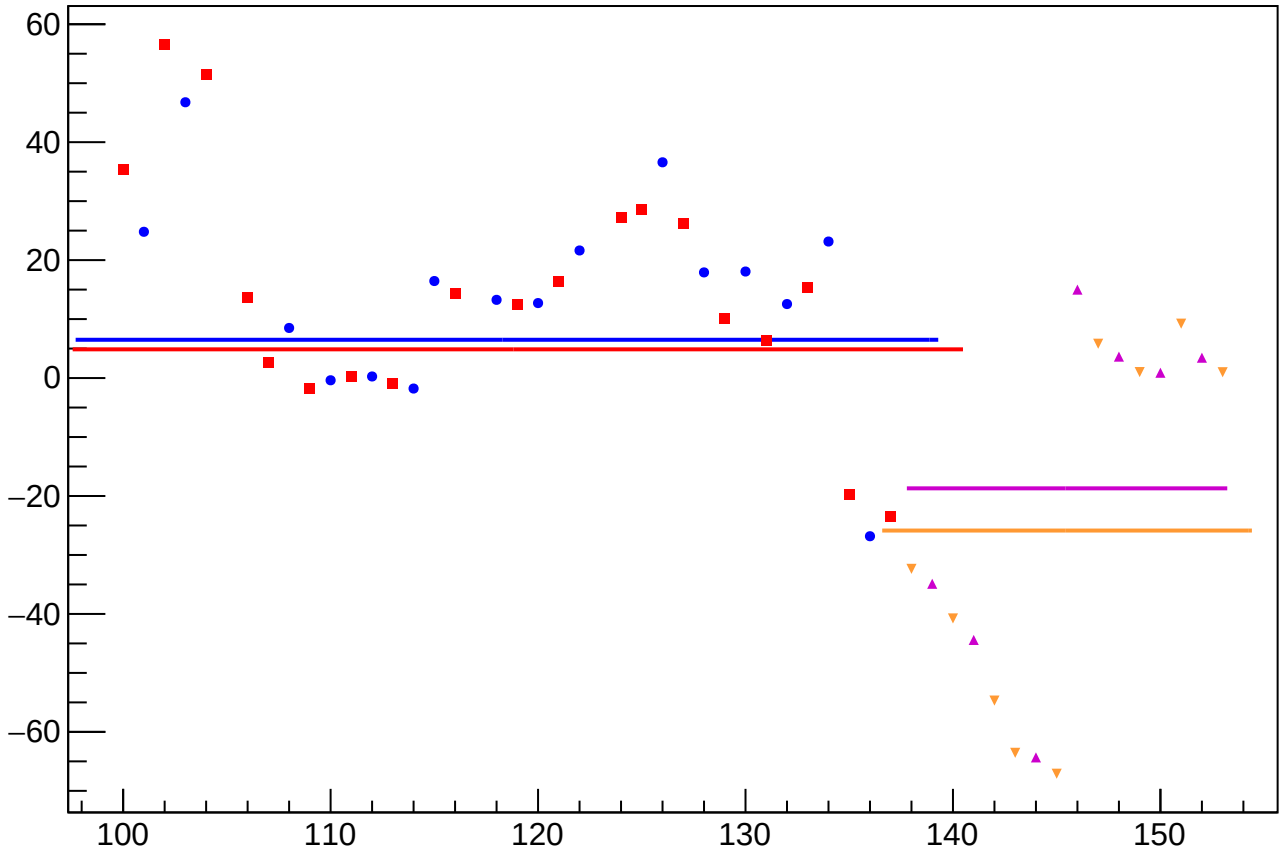
Left: -1.605+/-0.047 χ^2/NDF: 9872.3/15

Right: 1.069+/-0.042 χ^2/NDF: 4205.0/34

In: -0.158+/-0.045 χ^2/NDF:8476.1/22

Out: -0.043+/-0.043 χ^2/NDF:7406.0/27

All: -0.099+/-0.031 χ^2/NDF: 15885.5/50



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -25.858+/-0.092 χ^2/NDF:82857.2/8

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

Left In: -18.702+/-0.093 χ^2/NDF:80180.1/6

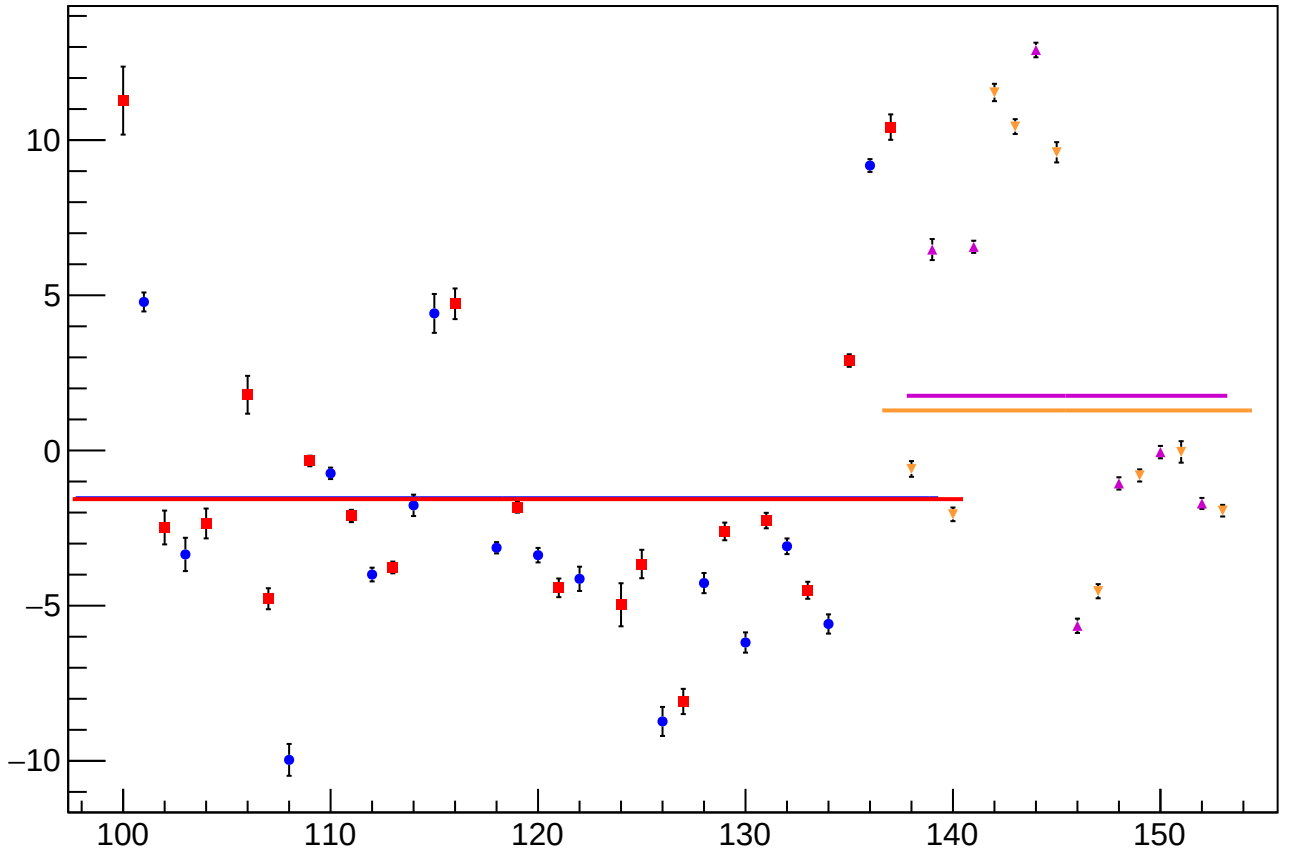
Left: -22.319+/-0.065 χ^2/NDF: 166058.0/15

Right: 5.602+/-0.044 χ^2/NDF: 146229.3/34

In: -1.867+/-0.053 χ^2/NDF:200307.6/22

Out: -4.190+/-0.050 χ^2/NDF:237552.0/27

All: -3.110+/-0.036 χ^2/NDF: 438874.7/50



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: 1.290+/-0.080 χ^2/NDF:4805.2/8

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

Left In: 1.762+/-0.081 χ^2/NDF:4713.5/6

Left: 1.522+/-0.057 χ^2/NDF: 9536.1/15

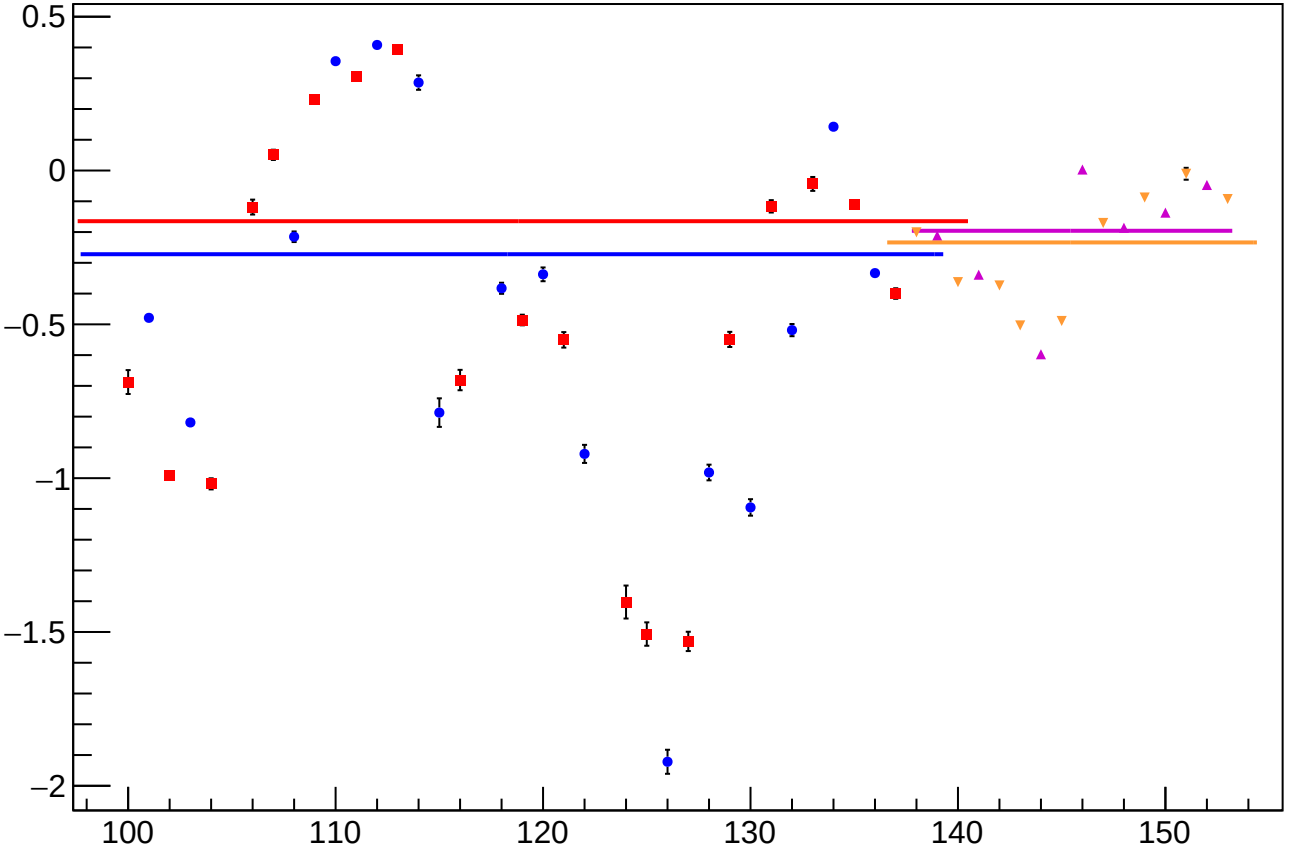
Right: -1.555+/-0.047 χ^2/NDF: 7032.9/34

In: -0.134+/-0.053 χ^2/NDF:10208.7/22

Out: -0.433+/-0.050 χ^2/NDF:8078.8/27

All: -0.291+/-0.036 χ^2/NDF: 18304.4/50

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: -0.234+/-0.004 χ^2/NDF:1830.8/8

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

Left In: -0.196+/-0.004 χ^2/NDF:1904.1/6

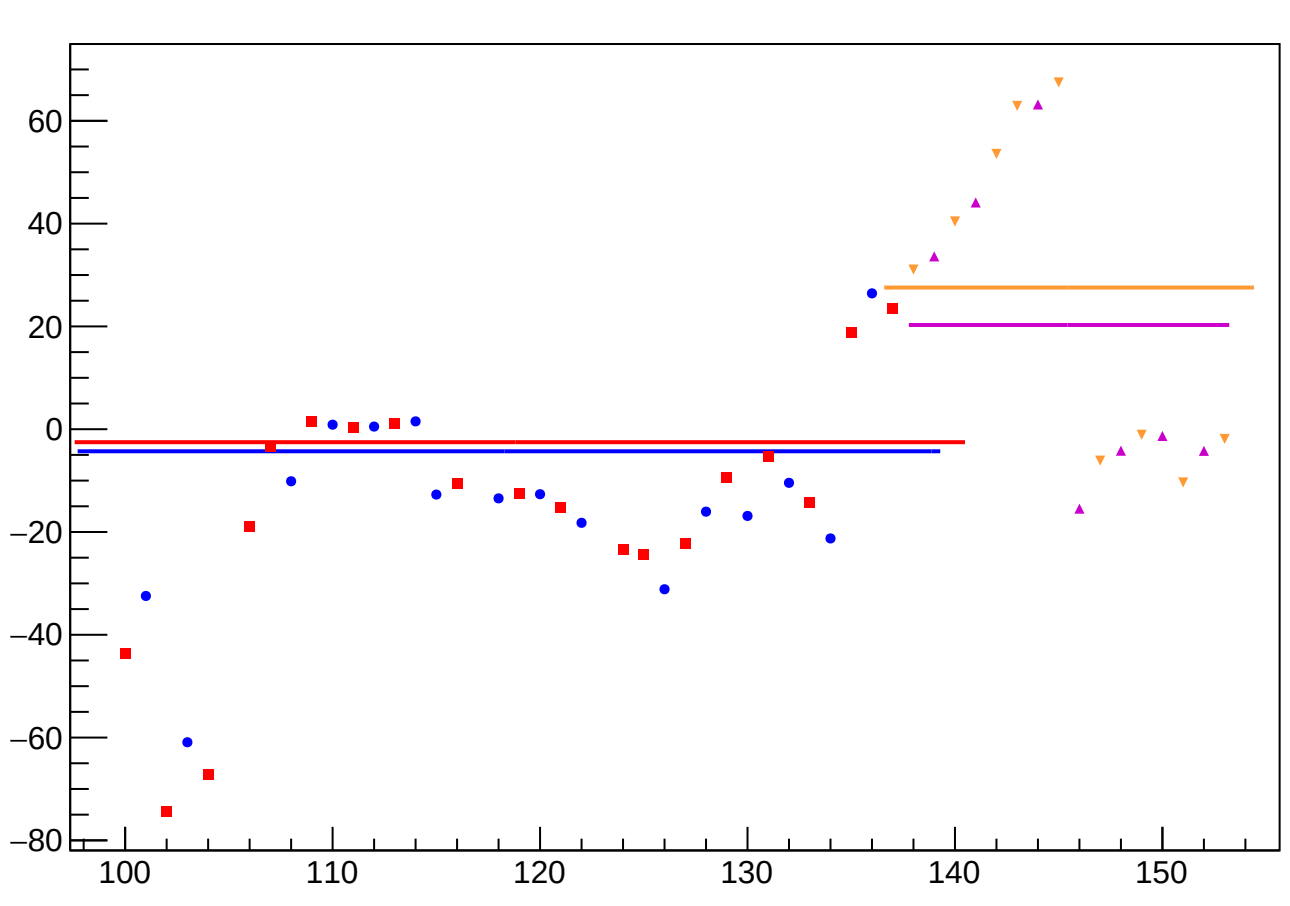
Left: -0.215+/-0.003 χ^2/NDF: 3790.2/15

Right: -0.214+/-0.003 χ^2/NDF: 27917.4/34

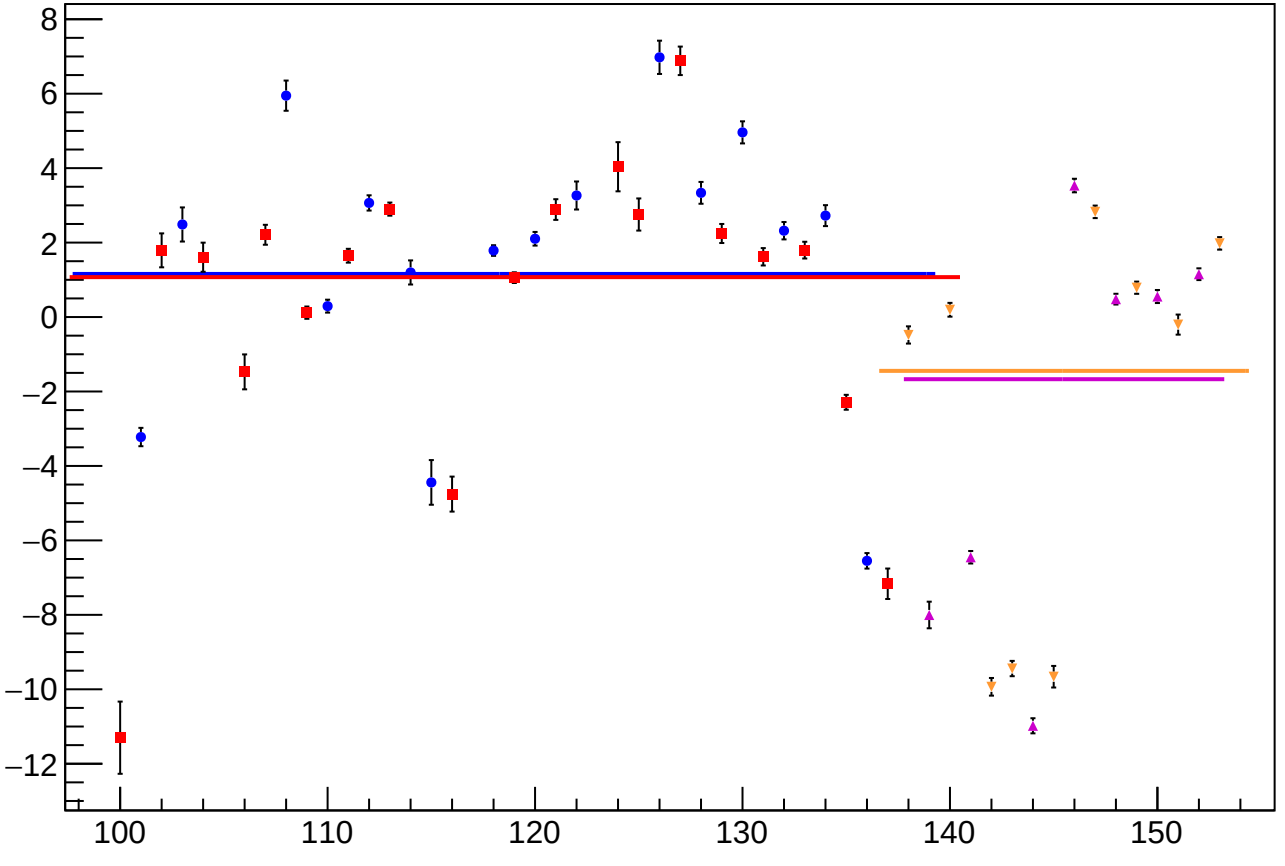
In: -0.228+/-0.003 χ^2/NDF:14160.8/22

Out: -0.201+/-0.003 χ^2/NDF:17494.0/27

All: -0.214+/-0.002 χ^2/NDF: 31707.6/50


reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
Right In: -4.296+/-0.056 χ²/NDF: 74218.3/15
Left Out: 27.563+/-0.093 χ²/NDF:78051.9/8
Right Out: -2.524+/-0.047 χ²/NDF: 79883.8/18
Left In: 20.280+/-0.095 χ²/NDF:75950.9/6
Left: 23.995+/-0.067 χ²/NDF: 156997.4/15
Right: -3.265+/-0.036 χ²/NDF: 154689.9/34
In: 1.992+/-0.048 χ²/NDF:199917.4/22
Out: 3.628+/-0.042 χ²/NDF:240923.5/27
All: 2.918+/-0.032 χ²/NDF: 441495.8/50

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: -1.446+/-0.067 χ^2/NDF:4951.9/8

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

Left In: -1.670+/-0.068 χ^2/NDF:4741.7/6

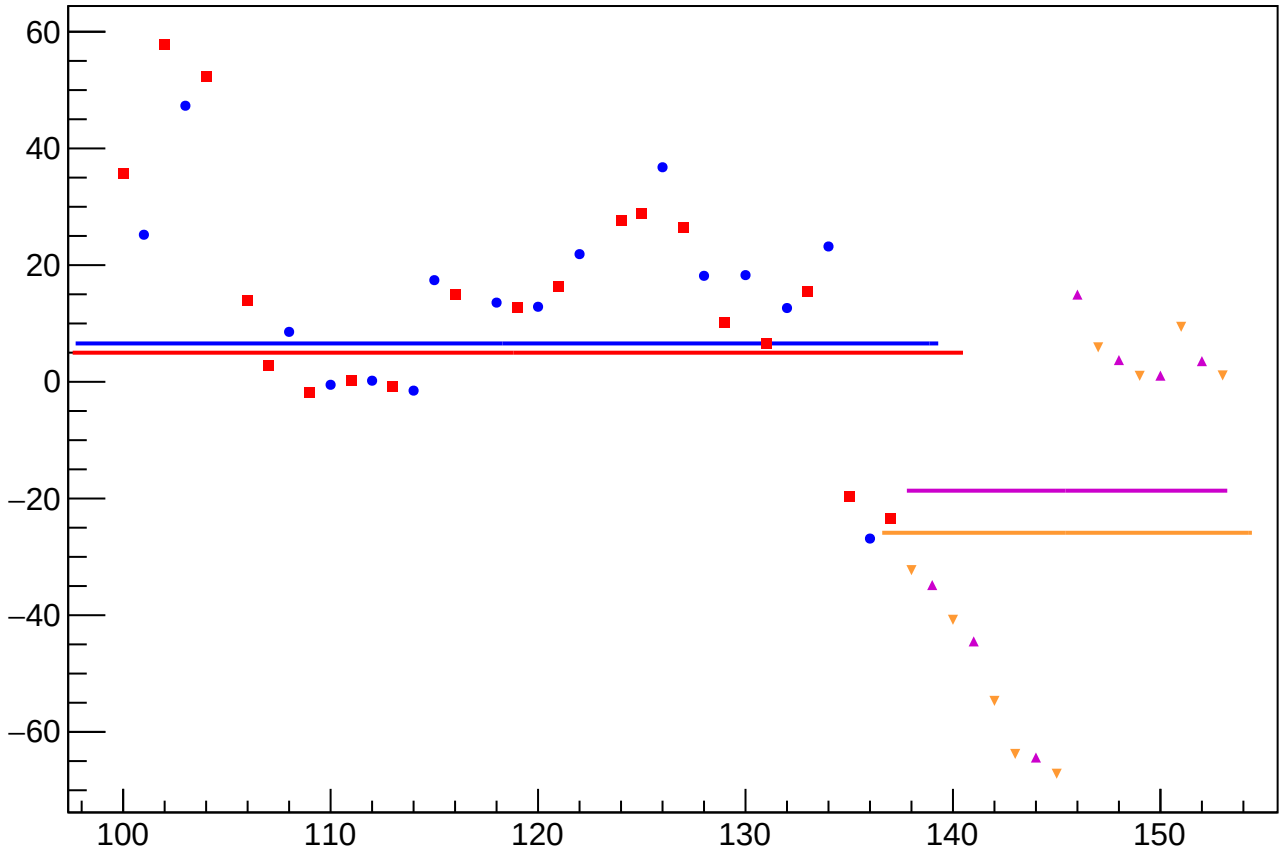
Left: -1.557+/-0.048 χ^2/NDF: 9699.1/15

Right: 1.113+/-0.042 χ^2/NDF: 4102.4/34

In: -0.121+/-0.046 χ^2/NDF:8247.0/22

Out: -0.013+/-0.044 χ^2/NDF:7305.9/27

All: -0.065+/-0.032 χ^2/NDF: 15555.8/50



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -25.870+/-0.092 χ^2/NDF:81760.9/8

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

Left In: -18.657+/-0.094 χ^2/NDF:79017.7/6

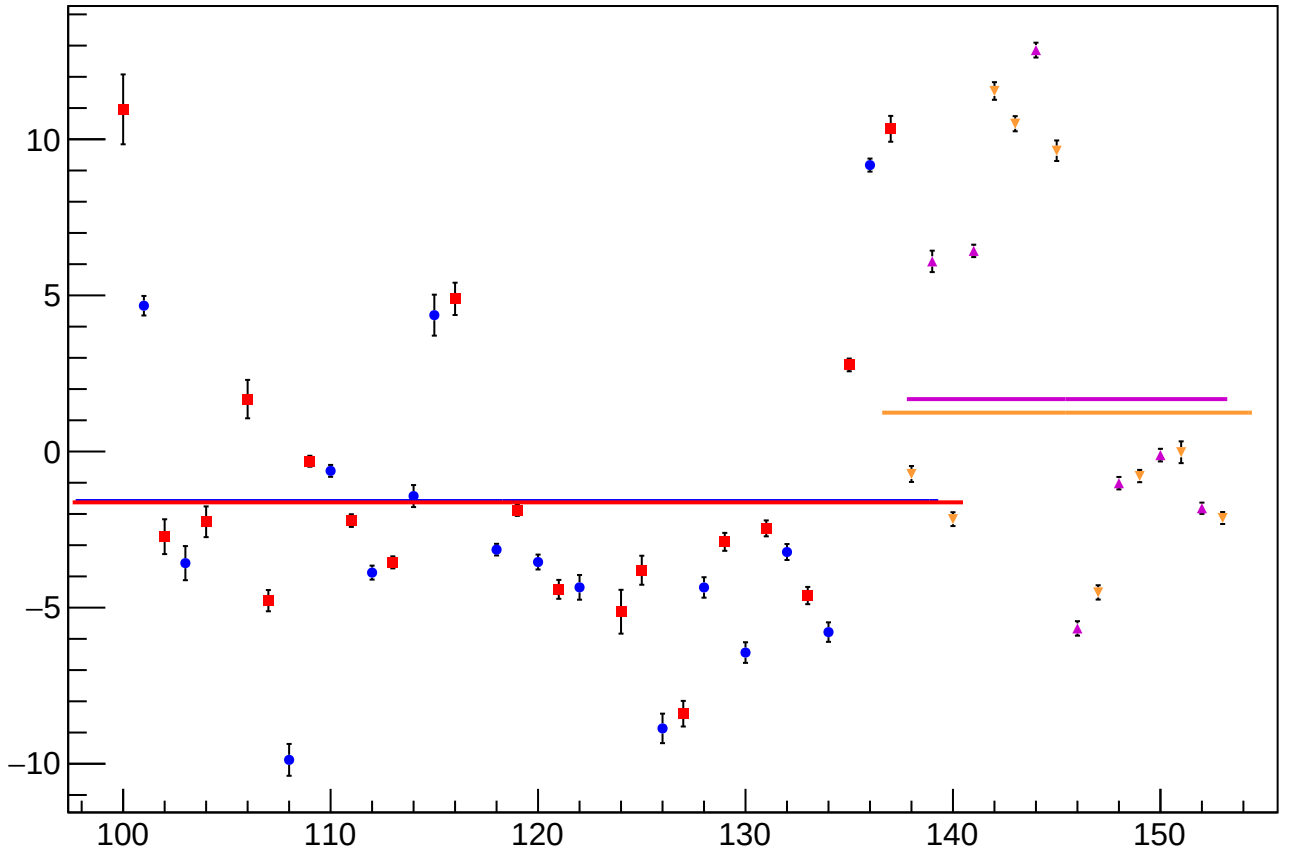
Left: -22.306+/-0.066 χ^2/NDF: 163787.8/15

Right: 5.710+/-0.045 χ^2/NDF: 144504.9/34

In: -1.878+/-0.054 χ^2/NDF:197152.4/22

Out: -4.246+/-0.051 χ^2/NDF:234325.0/27

All: -3.142+/-0.037 χ^2/NDF: 432499.6/50



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: 1.244+/-0.080 χ^2/NDF:4791.3/8

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

Left In: 1.678+/-0.082 χ^2/NDF:4581.5/6

Left: 1.458+/-0.057 χ^2/NDF: 9387.2/15

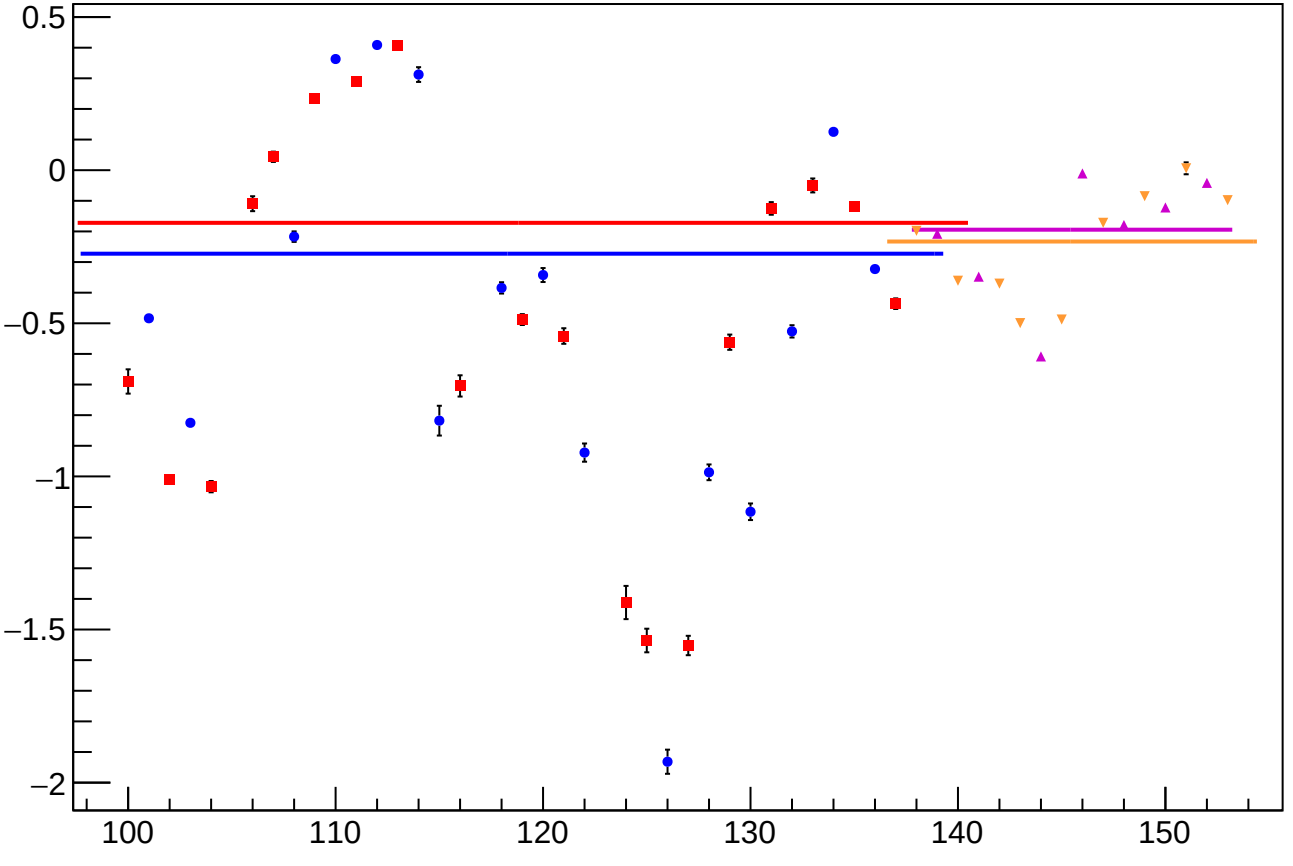
Right: -1.609+/-0.048 χ^2/NDF: 6895.1/34

In: -0.184+/-0.053 χ^2/NDF:9967.0/22

Out: -0.475+/-0.051 χ^2/NDF:7977.7/27

All: -0.336+/-0.037 χ^2/NDF: 17960.2/50

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: -0.233+/-0.004 χ^2/NDF:1772.5/8

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

Left In: -0.194+/-0.004 χ^2/NDF:1970.0/6

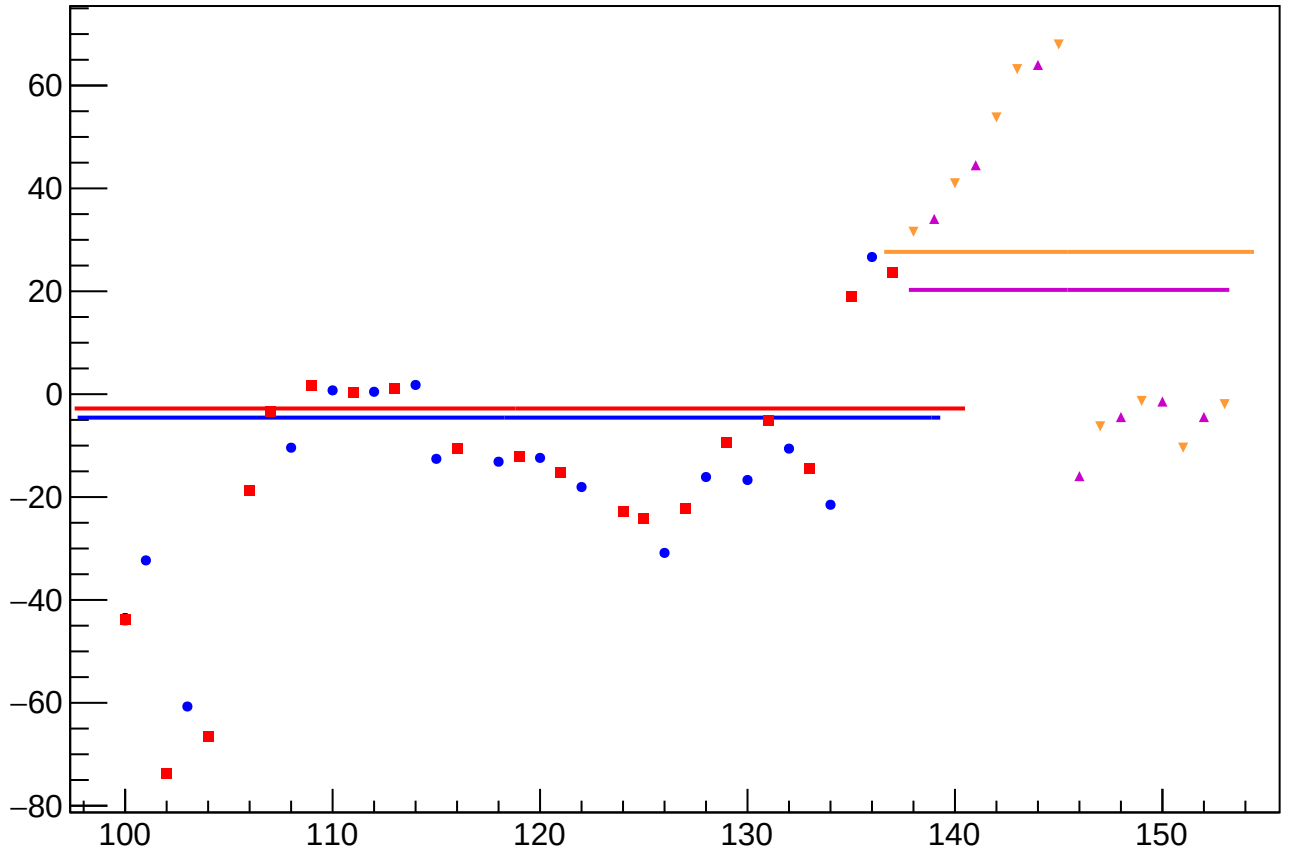
Left: -0.213+/-0.003 χ^2/NDF: 3798.7/15

Right: -0.218+/-0.003 χ^2/NDF: 27488.4/34

In: -0.227+/-0.003 χ^2/NDF:14025.1/22

Out: -0.204+/-0.003 χ^2/NDF:17226.0/27

All: -0.215+/-0.002 χ^2/NDF: 31288.5/50



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 27.660+/-0.095 χ^2/NDF:77445.6/8

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

Left In: 20.271+/-0.097 χ^2/NDF:75774.3/6

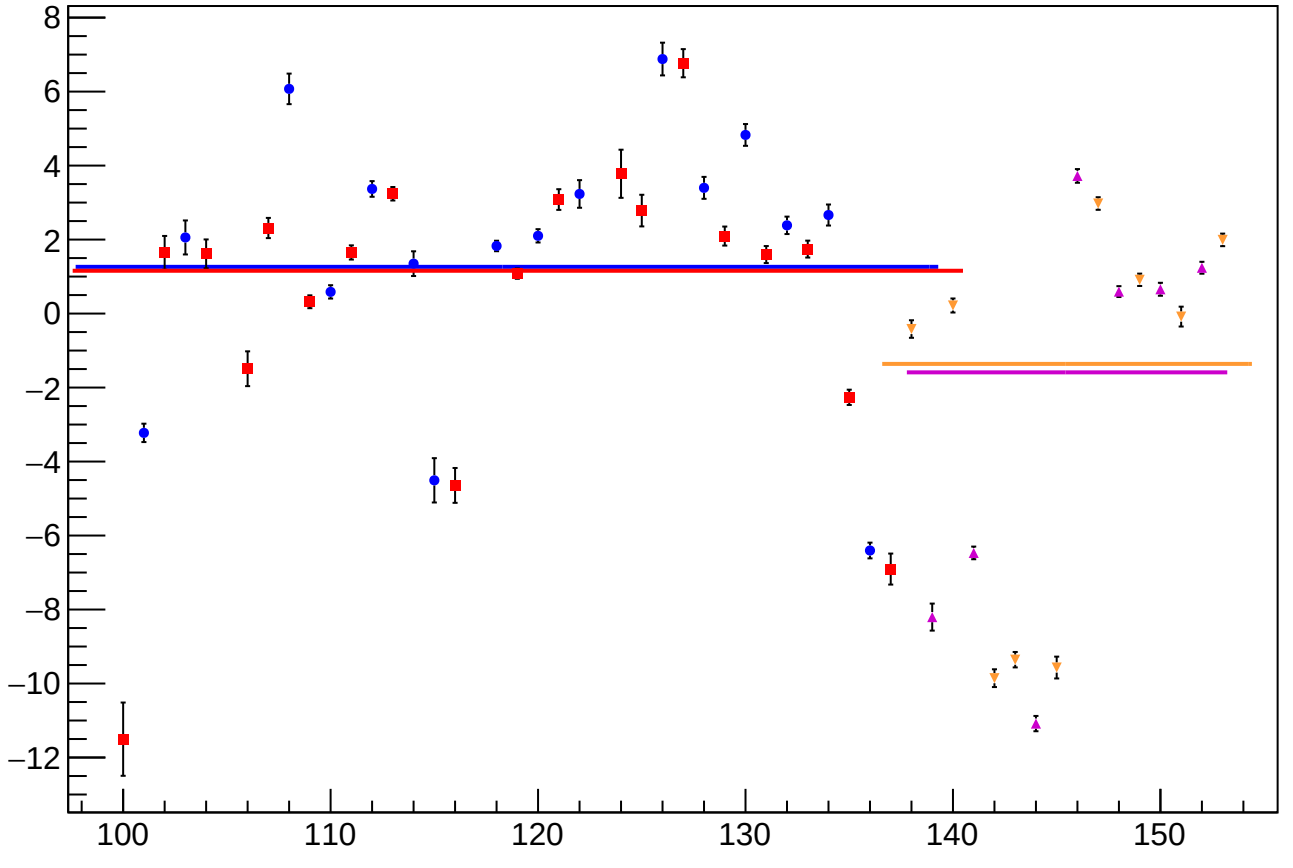
Left: 24.037+/-0.068 χ^2/NDF: 156201.1/15

Right: -3.530+/-0.037 χ^2/NDF: 151106.4/34

In: 1.821+/-0.049 χ^2/NDF:197486.8/22

Out: 3.541+/-0.043 χ^2/NDF:237113.3/27

All: 2.788+/-0.032 χ^2/NDF: 435294.6/50



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: -1.360+/-0.068 χ^2/NDF:4823.8/8

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

Left In: -1.589+/-0.069 χ^2/NDF:4765.5/6

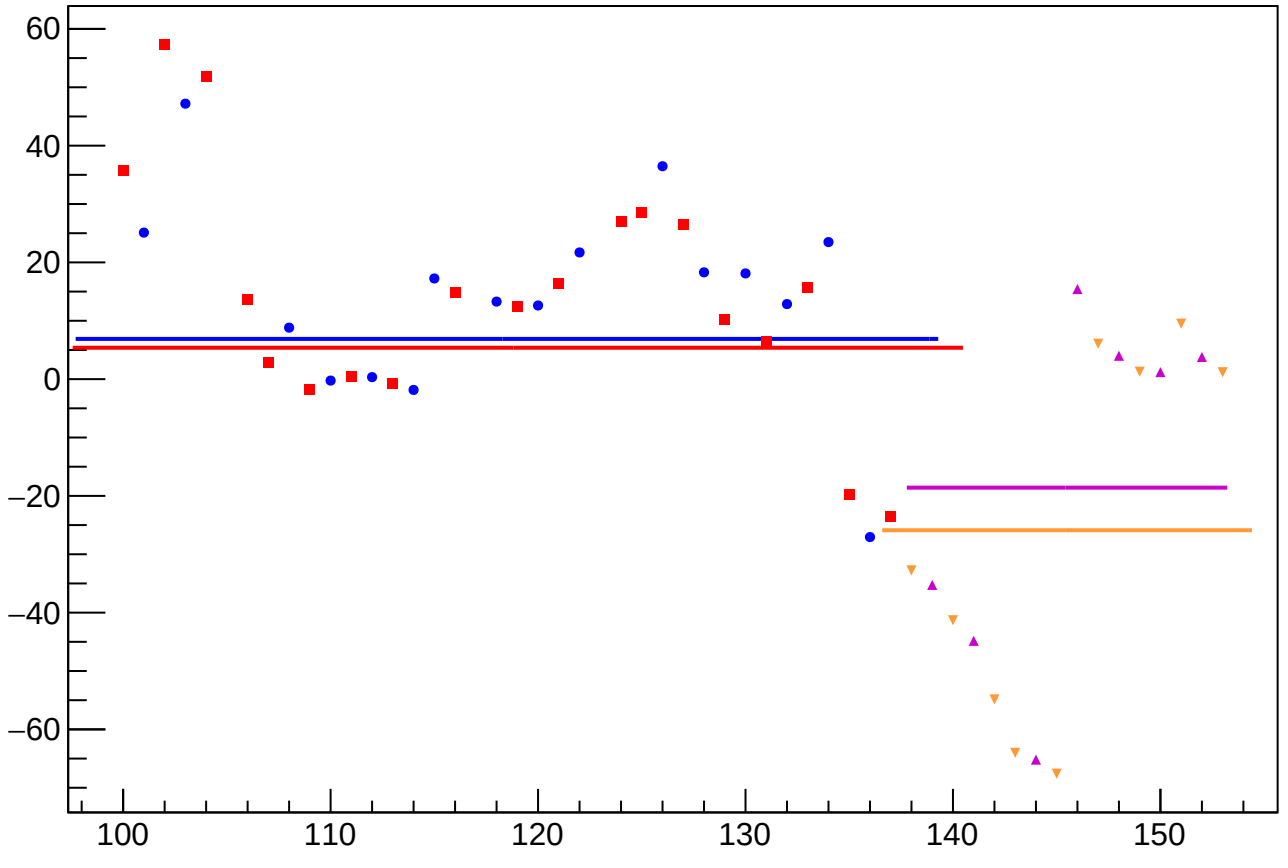
Left: -1.474+/-0.048 χ^2/NDF: 9594.9/15

Right: 1.208+/-0.043 χ^2/NDF: 3935.9/34

In: -0.018+/-0.046 χ^2/NDF:8158.5/22

Out: 0.074+/-0.045 χ^2/NDF:7095.2/27

All: 0.030+/-0.032 χ^2/NDF: 15255.7/50



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -25.885+/-0.094 χ^2/NDF:81075.0/8

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

Left In: -18.587+/-0.095 χ^2/NDF:78744.8/6

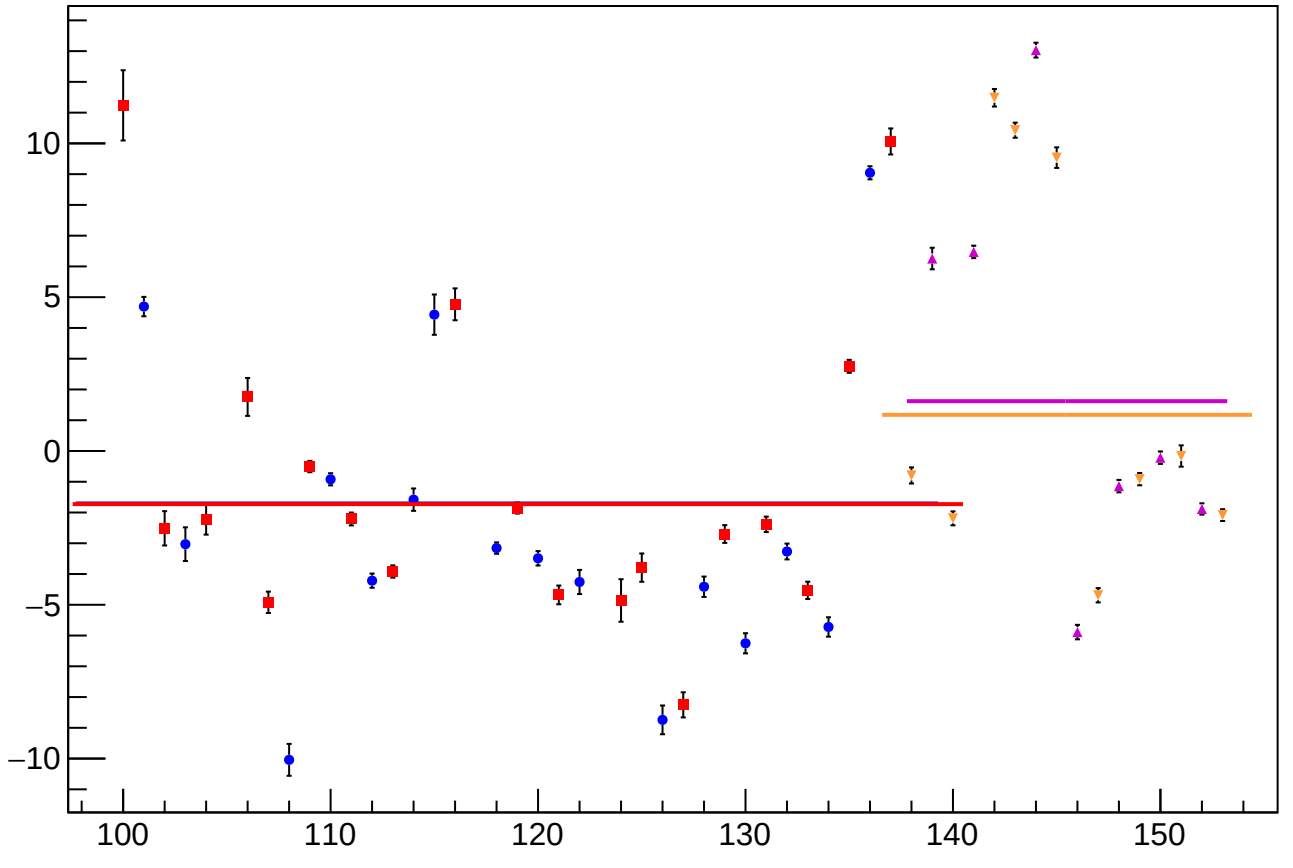
Left: -22.277+/-0.067 χ^2/NDF: 162801.1/15

Right: 6.071+/-0.045 χ^2/NDF: 140552.1/34

In: -1.627+/-0.055 χ^2/NDF:194645.7/22

Out: -4.033+/-0.052 χ^2/NDF:230659.7/27

All: -2.906+/-0.038 χ^2/NDF: 426325.3/50



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: 1.175+/-0.082 χ^2/NDF:4663.2/8

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

Left In: 1.619+/-0.083 χ^2/NDF:4615.8/6

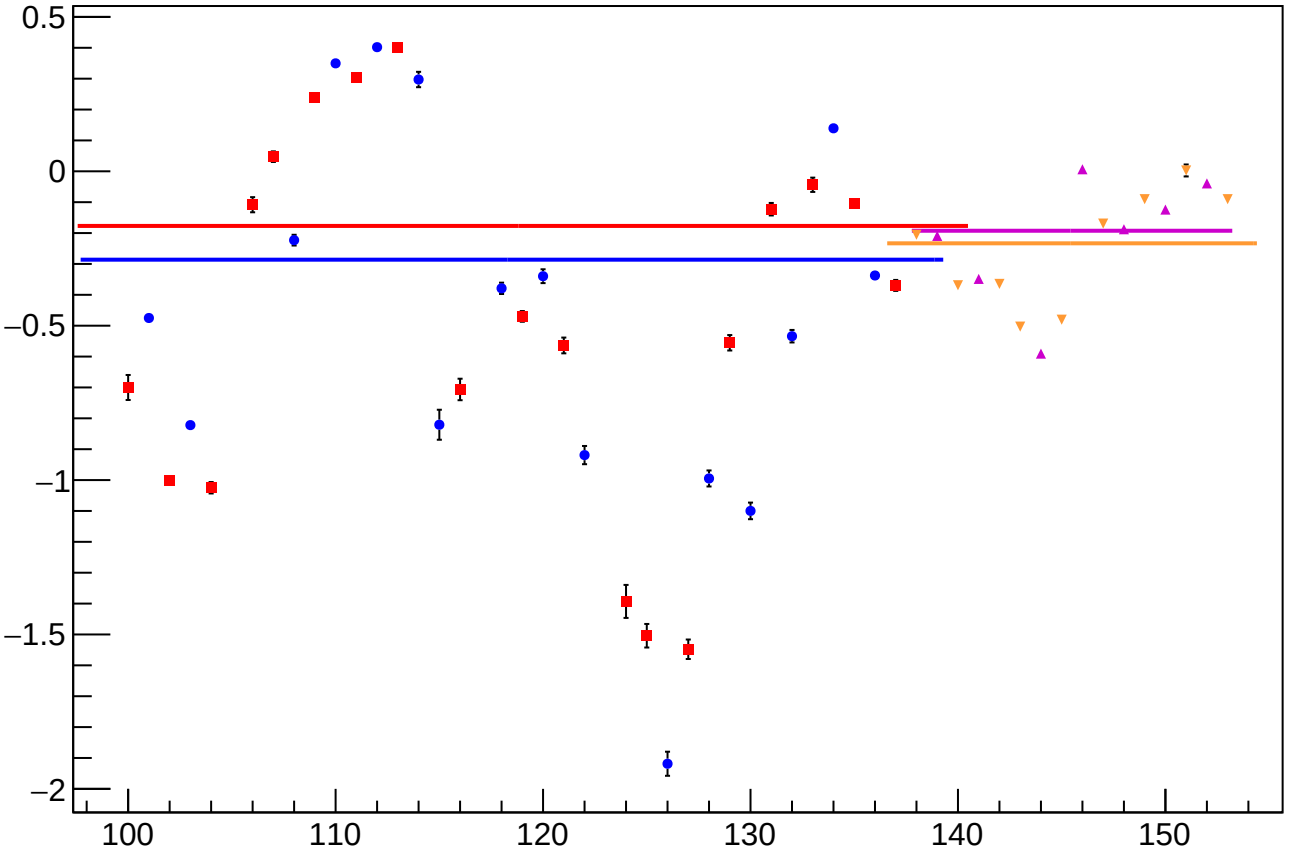
Left: 1.394+/-0.058 χ^2/NDF: 9293.6/15

Right: -1.718+/-0.049 χ^2/NDF: 6599.4/34

In: -0.286+/-0.054 χ^2/NDF:9829.3/22

Out: -0.561+/-0.052 χ^2/NDF:7730.4/27

All: -0.430+/-0.037 χ^2/NDF: 17573.2/50



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.233+/-0.004 χ^2/NDF:1746.1/8

Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.193+/-0.004 χ^2/NDF:1861.6/6

Left: -0.213+/-0.003 χ^2/NDF: 3668.3/15

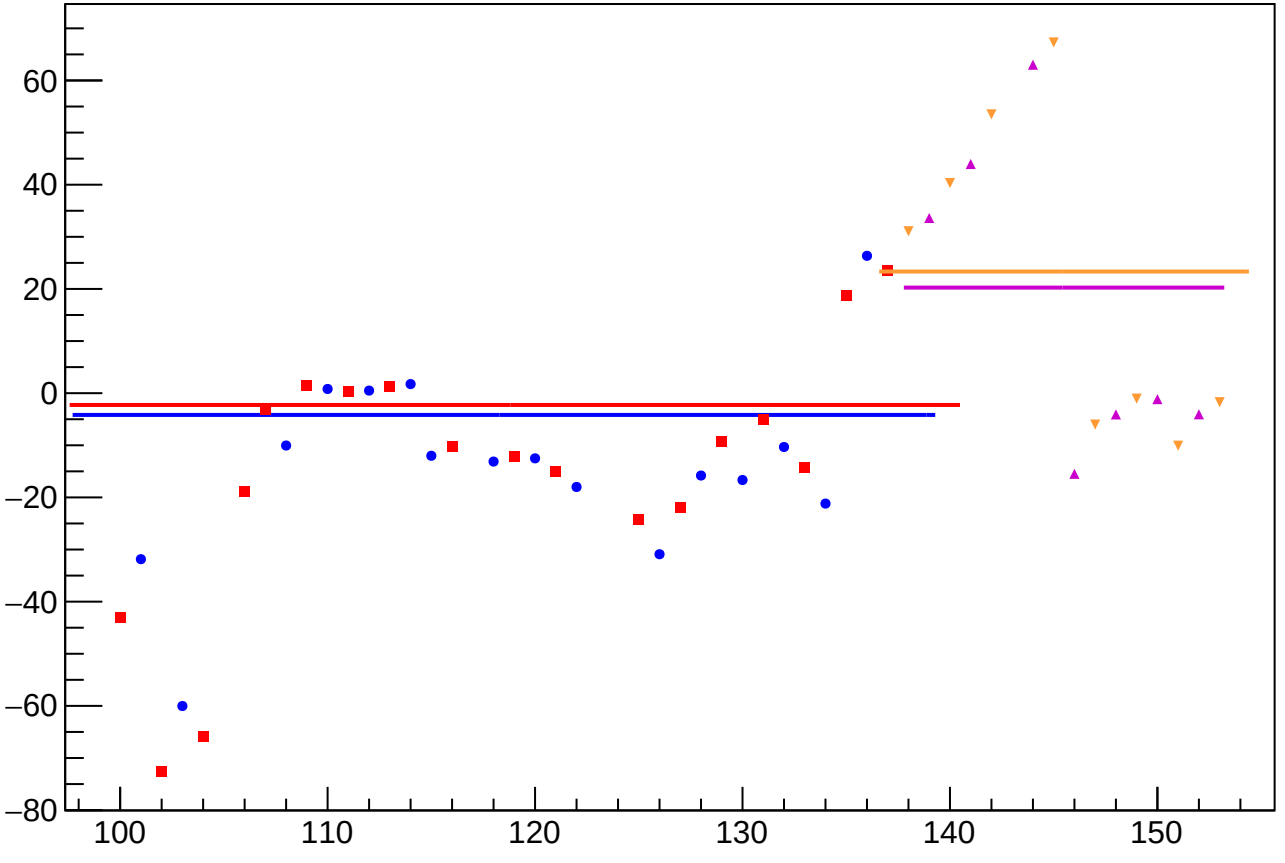
Right: -0.227+/-0.003 χ^2/NDF: 26481.0/34

In: -0.232+/-0.003 χ^2/NDF:13498.7/22

Out: -0.207+/-0.003 χ^2/NDF:16621.5/27

All: -0.219+/-0.002 χ^2/NDF: 30163.3/50

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: 23.338+/-0.097 χ^2/NDF:61955.1/7

Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 20.256+/-0.094 χ^2/NDF:77250.3/6

Left: 21.740+/-0.068 χ^2/NDF: 139725.6/14

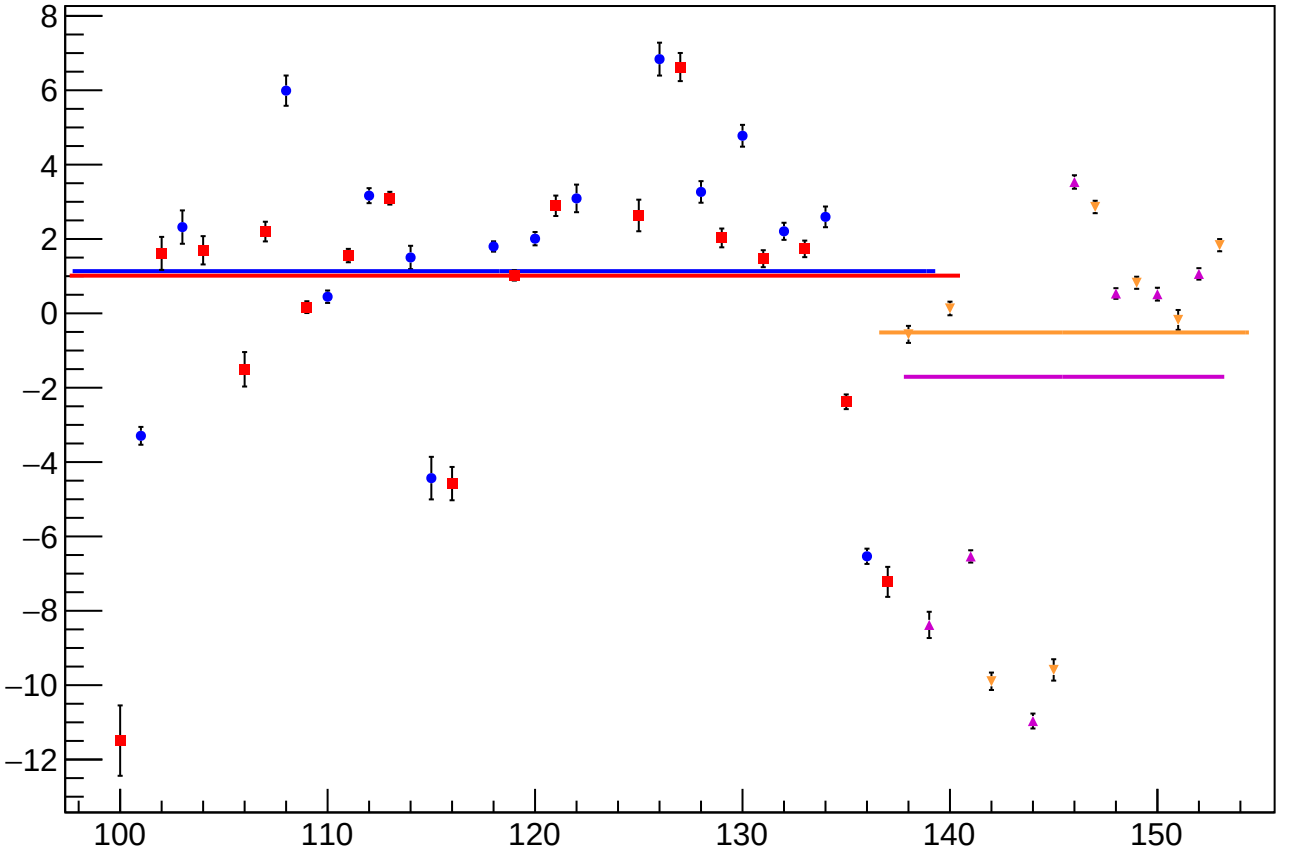
Right: -3.058+/-0.035 χ^2/NDF: 155737.8/33

In: 1.990+/-0.047 χ^2/NDF:203430.4/22

Out: 2.422+/-0.042 χ^2/NDF:198145.9/25

All: 2.233+/-0.031 χ^2/NDF: 401623.6/48

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: -0.514+/-0.070 χ^2/NDF:3293.4/7

Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: -1.706+/-0.067 χ^2/NDF:4901.2/6

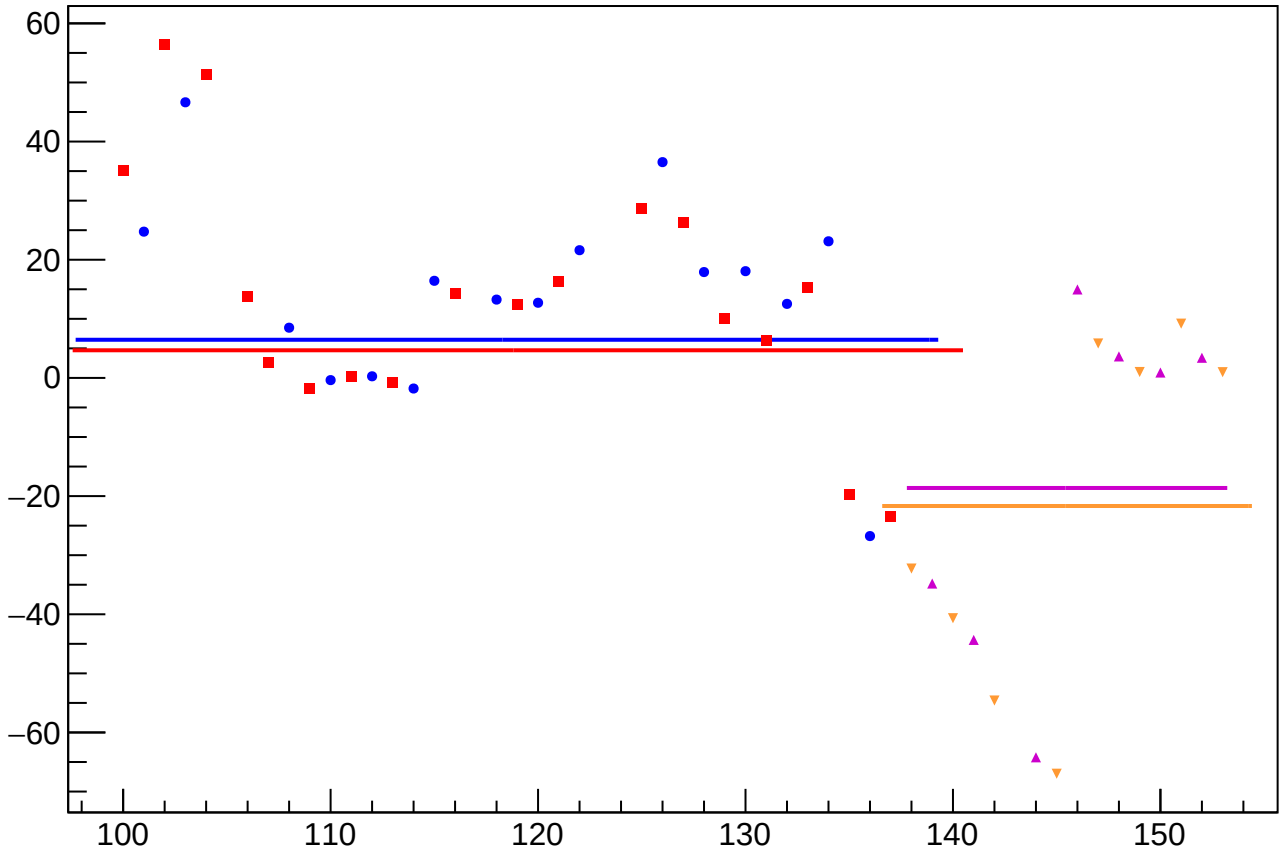
Left: -1.138+/-0.048 χ^2/NDF: 8346.3/14

Right: 1.072+/-0.041 χ^2/NDF: 4190.8/33

In: -0.138+/-0.045 χ^2/NDF:8495.3/22

Out: 0.403+/-0.044 χ^2/NDF:5171.7/25

All: 0.135+/-0.031 χ^2/NDF: 13740.8/48



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -21.676+/-0.096 χ^2/NDF:64386.6/7

Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -18.625+/-0.092 χ^2/NDF:80386.2/6

Left: -20.087+/-0.067 χ^2/NDF: 145297.3/14

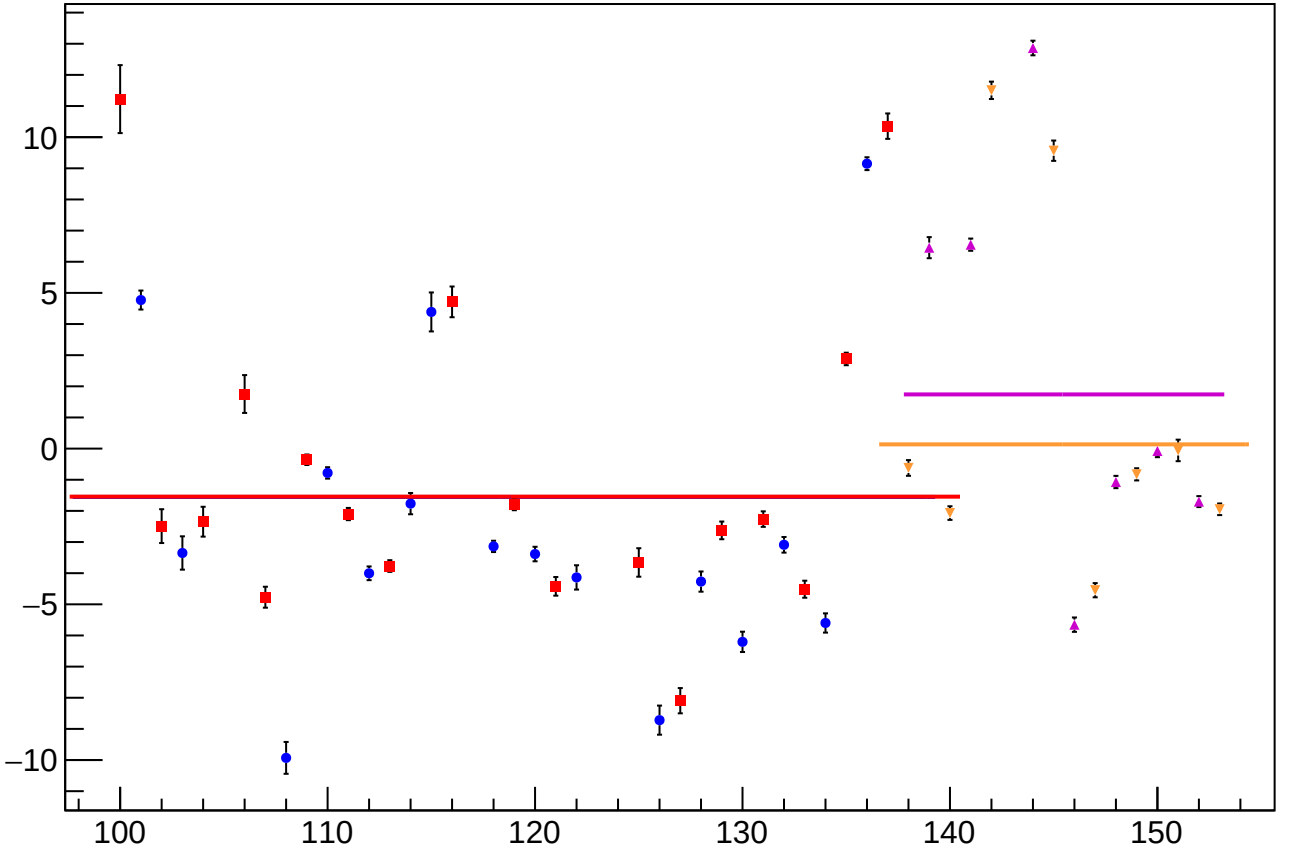
Right: 5.483+/-0.044 χ^2/NDF: 145618.4/33

In: -1.860+/-0.053 χ^2/NDF:200621.5/22

Out: -2.549+/-0.050 χ^2/NDF:193339.6/25

All: -2.223+/-0.037 χ^2/NDF: 394049.6/48

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: 0.136+/-0.084 χ^2/NDF:3177.0/7

Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: 1.740+/-0.080 χ^2/NDF:4724.5/6

Left: 0.974+/-0.058 χ^2/NDF: 8091.3/14

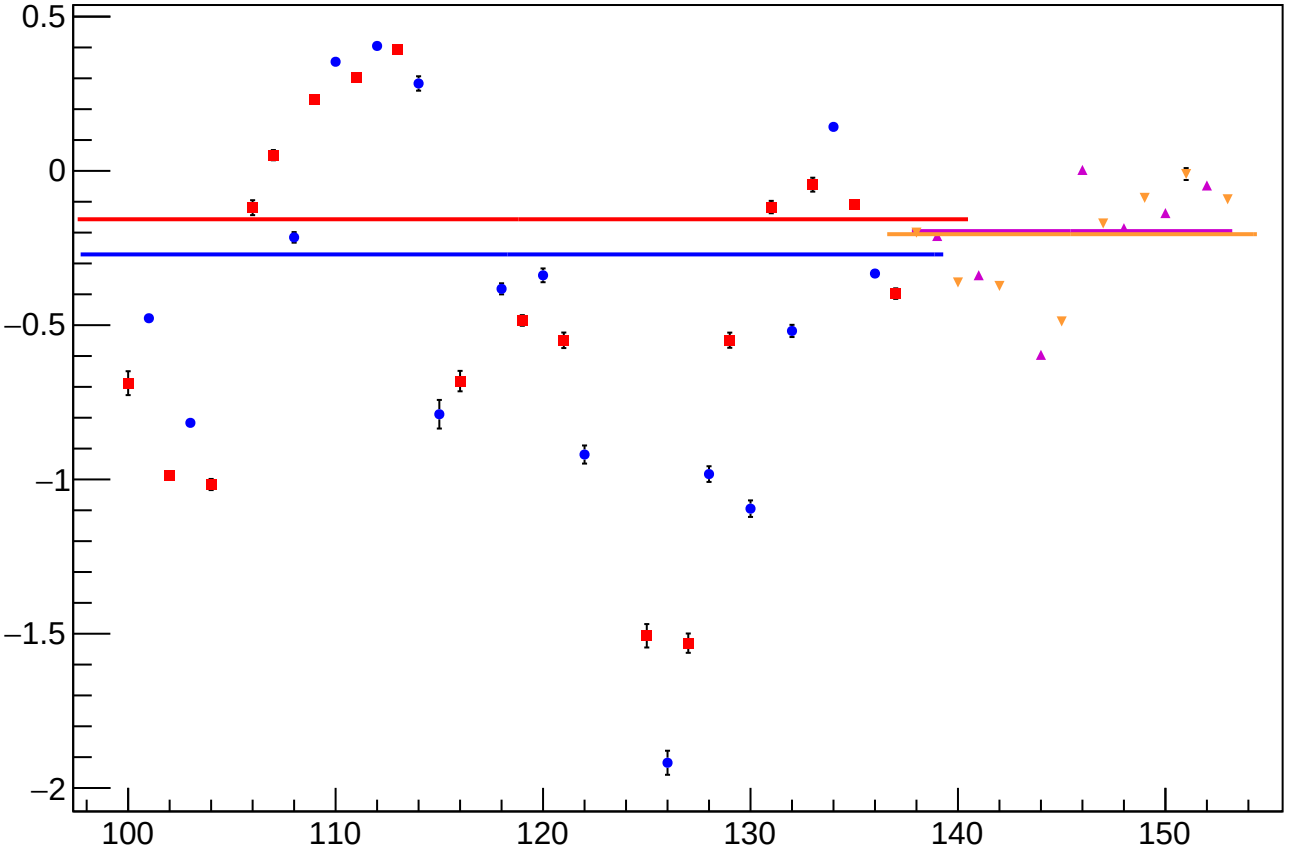
Right: -1.547+/-0.047 χ^2/NDF: 7016.6/33

In: -0.150+/-0.053 χ^2/NDF:10228.9/22

Out: -0.921+/-0.051 χ^2/NDF:5900.7/25

All: -0.545+/-0.037 χ^2/NDF: 16240.0/48

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: -0.205+/-0.004 χ^2/NDF:1263.5/7

Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.195+/-0.004 χ^2/NDF:1909.0/6

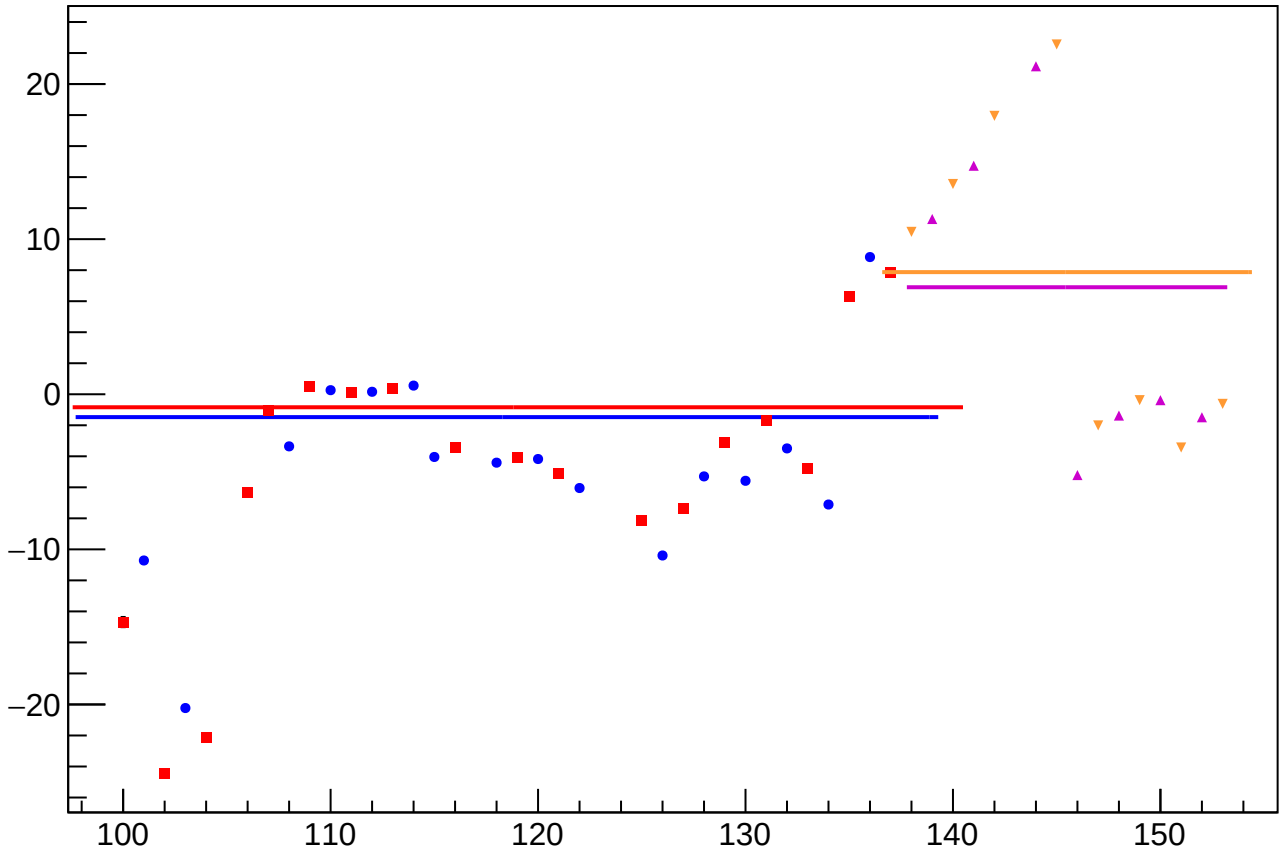
Left: -0.200+/-0.003 χ^2/NDF: 3176.2/14

Right: -0.209+/-0.003 χ^2/NDF: 27526.5/33

In: -0.227+/-0.003 χ^2/NDF:14196.5/22

Out: -0.181+/-0.003 χ^2/NDF:16363.7/25

All: -0.204+/-0.002 χ^2/NDF: 30708.2/48



Right In: -1.474+/-0.019 χ^2/NDF: 73722.2/15

Left Out: 7.875+/-0.033 χ^2/NDF:60862.2/7

Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

Left In: 6.900+/-0.032 χ^2/NDF:75188.8/6

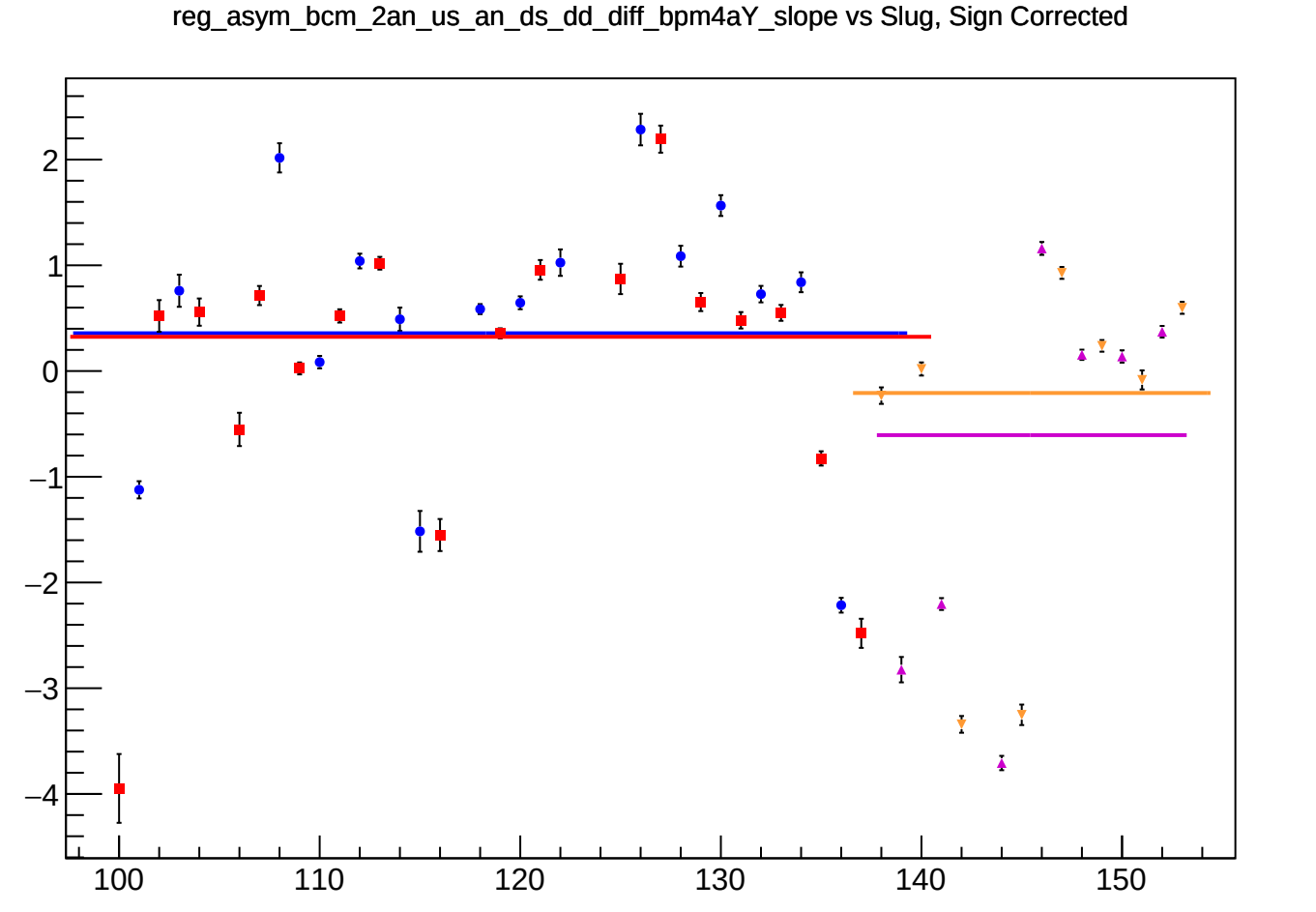
Left: 7.371+/-0.023 χ^2/NDF: 136499.3/14

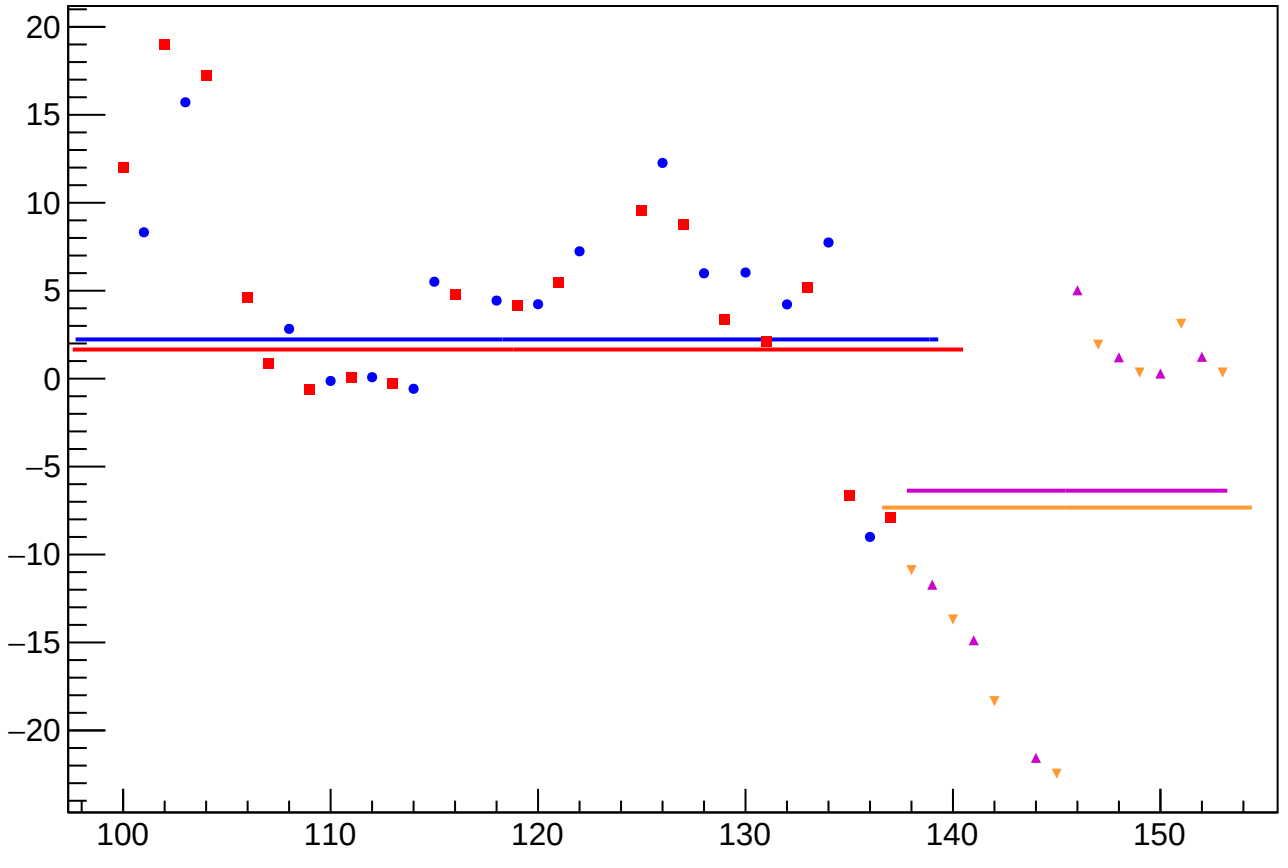
Right: -1.107+/-0.012 χ^2/NDF: 152399.4/33

In: 0.661+/-0.016 χ^2/NDF:199834.6/22

Out: 0.818+/-0.014 χ^2/NDF:195021.4/25

All: 0.748+/-0.011 χ^2/NDF: 394907.9/48


reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
Right In: 0.357+/-0.021 χ²/NDF: 2543.0/15
Left Out: -0.208+/-0.024 χ²/NDF:3238.1/7
Right Out: 0.324+/-0.020 χ²/NDF: 1558.9/17
Left In: -0.606+/-0.023 χ²/NDF:4793.2/6
Left: -0.415+/-0.016 χ²/NDF: 8177.2/14
Right: 0.340+/-0.014 χ²/NDF: 4103.4/33
In: -0.075+/-0.015 χ²/NDF:8318.4/22
Out: 0.108+/-0.015 χ²/NDF:5092.9/25
All: 0.017+/-0.011 χ²/NDF: 13483.0/48



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -7.329+/-0.033 χ^2/NDF:63270.4/7

Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -6.369+/-0.032 χ^2/NDF:78313.9/6

Left: -6.832+/-0.023 χ^2/NDF: 142030.6/14

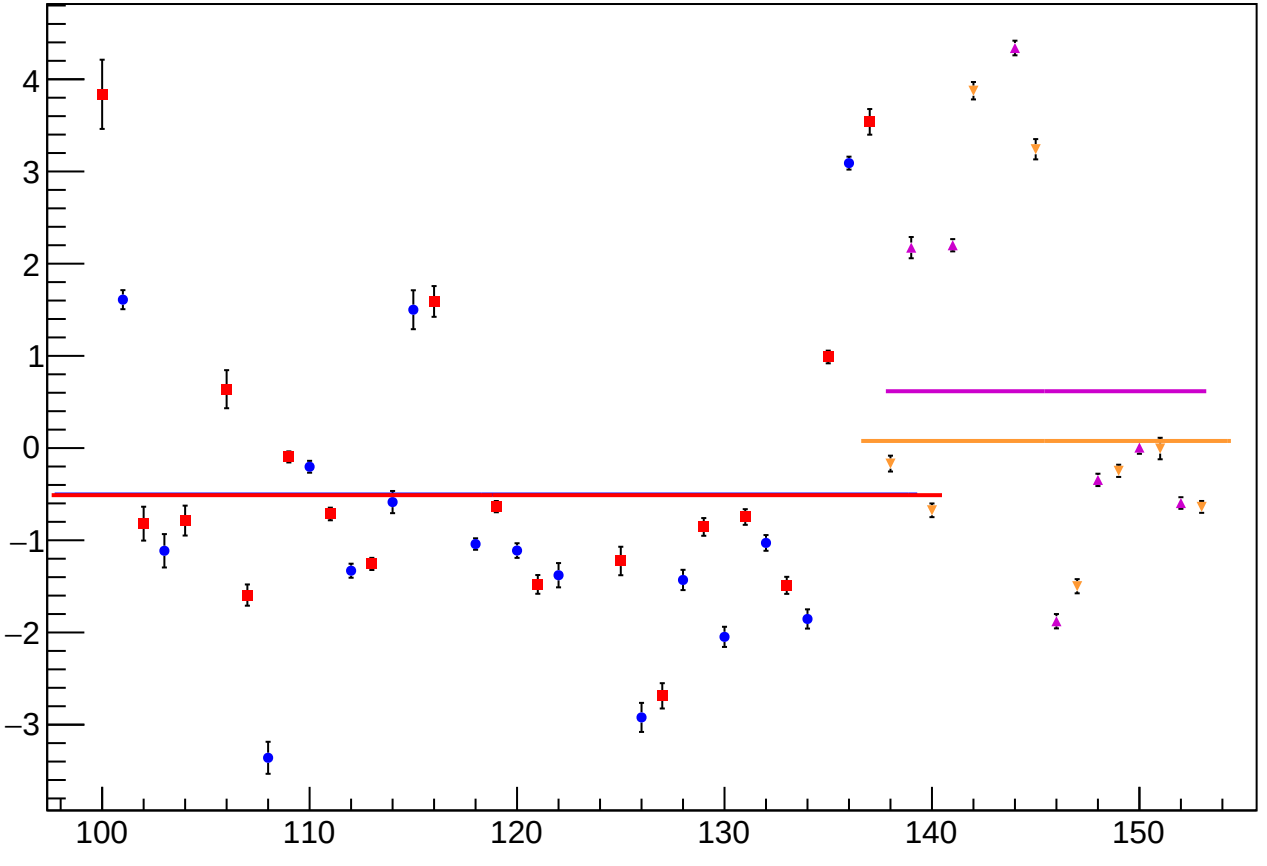
Right: 1.919+/-0.015 χ^2/NDF: 142343.2/33

In: -0.630+/-0.018 χ^2/NDF:197118.6/22

Out: -0.868+/-0.017 χ^2/NDF:190339.4/25

All: -0.755+/-0.013 χ^2/NDF: 387548.4/48

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: 0.077+/-0.029 χ^2/NDF:3125.0/7

Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

Left In: 0.617+/-0.028 χ^2/NDF:4627.1/6

Left: 0.357+/-0.020 χ^2/NDF: 7936.6/14

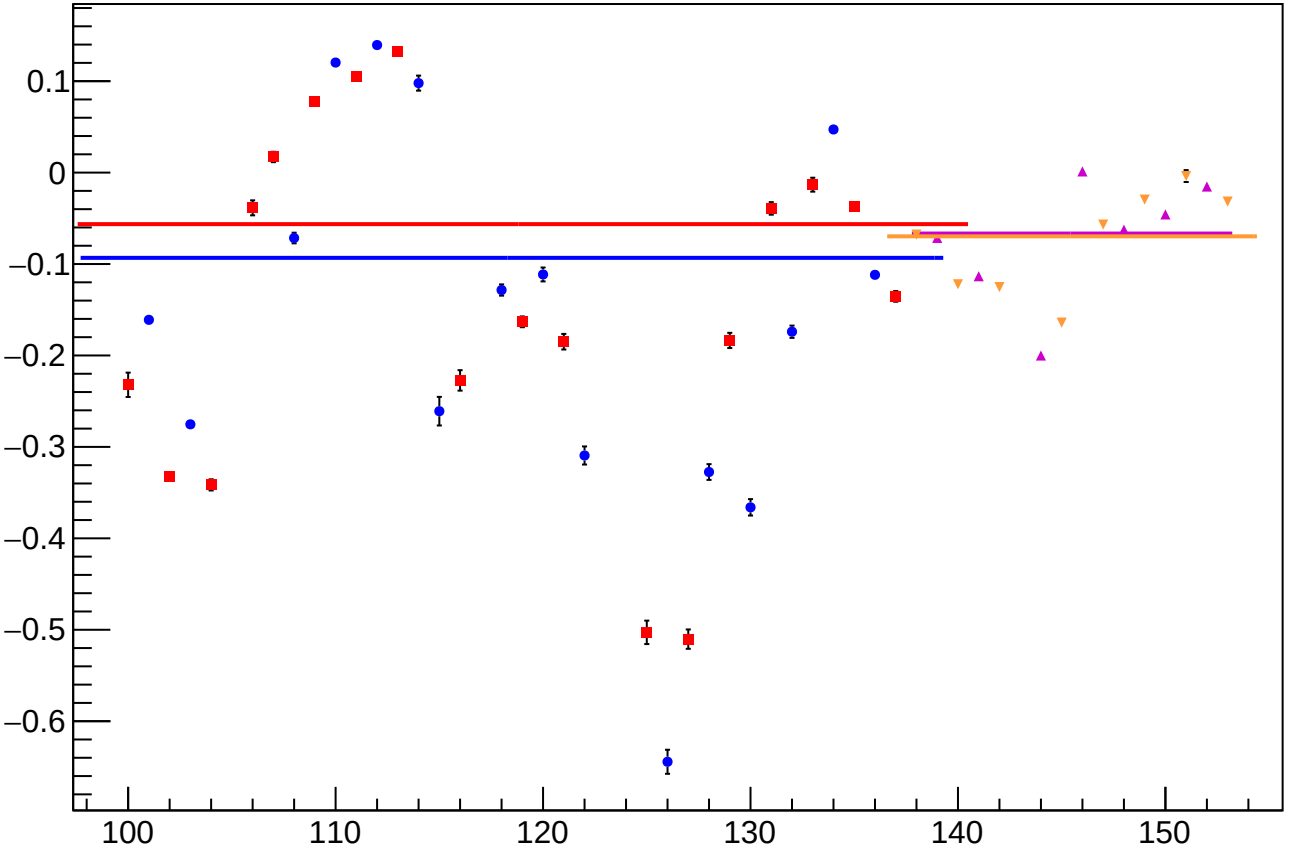
Right: -0.507+/-0.016 χ^2/NDF: 6871.2/33

In: -0.027+/-0.018 χ^2/NDF:10024.6/22

Out: -0.289+/-0.018 χ^2/NDF:5812.0/25

All: -0.161+/-0.013 χ^2/NDF: 15945.4/48

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.093+/-0.001 χ^2/NDF: 11742.4/15

Left Out: -0.070+/-0.001 χ^2/NDF:1236.7/7

Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.067+/-0.001 χ^2/NDF:1849.1/6

Left: -0.068+/-0.001 χ^2/NDF: 3088.7/14

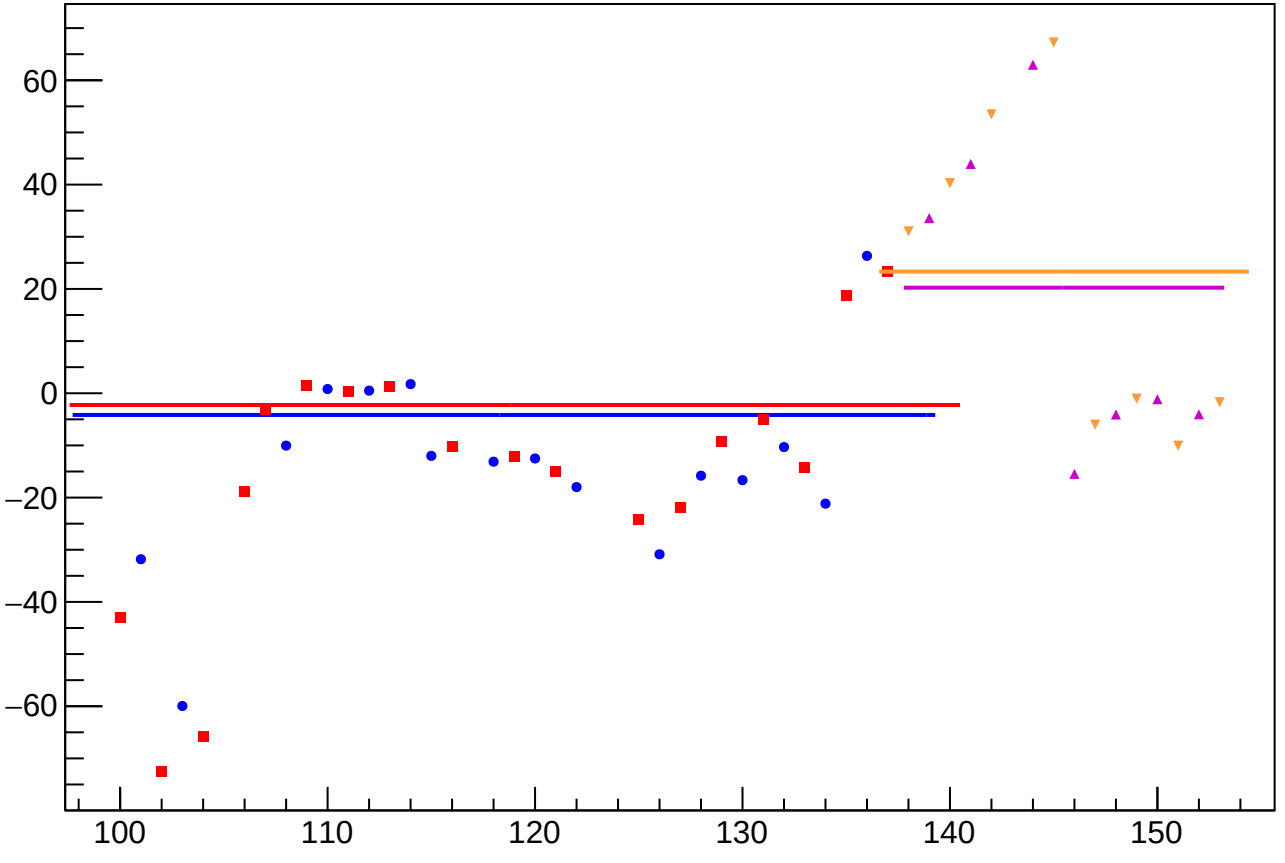
Right: -0.073+/-0.001 χ^2/NDF: 26566.6/33

In: -0.078+/-0.001 χ^2/NDF:13793.9/22

Out: -0.063+/-0.001 χ^2/NDF:15746.8/25

All: -0.071+/-0.001 χ^2/NDF: 29671.4/48

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 23.322+/-0.097 χ^2/NDF:61940.7/7

Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 20.239+/-0.094 χ^2/NDF:77267.0/6

Left: 21.723+/-0.067 χ^2/NDF: 139729.3/14

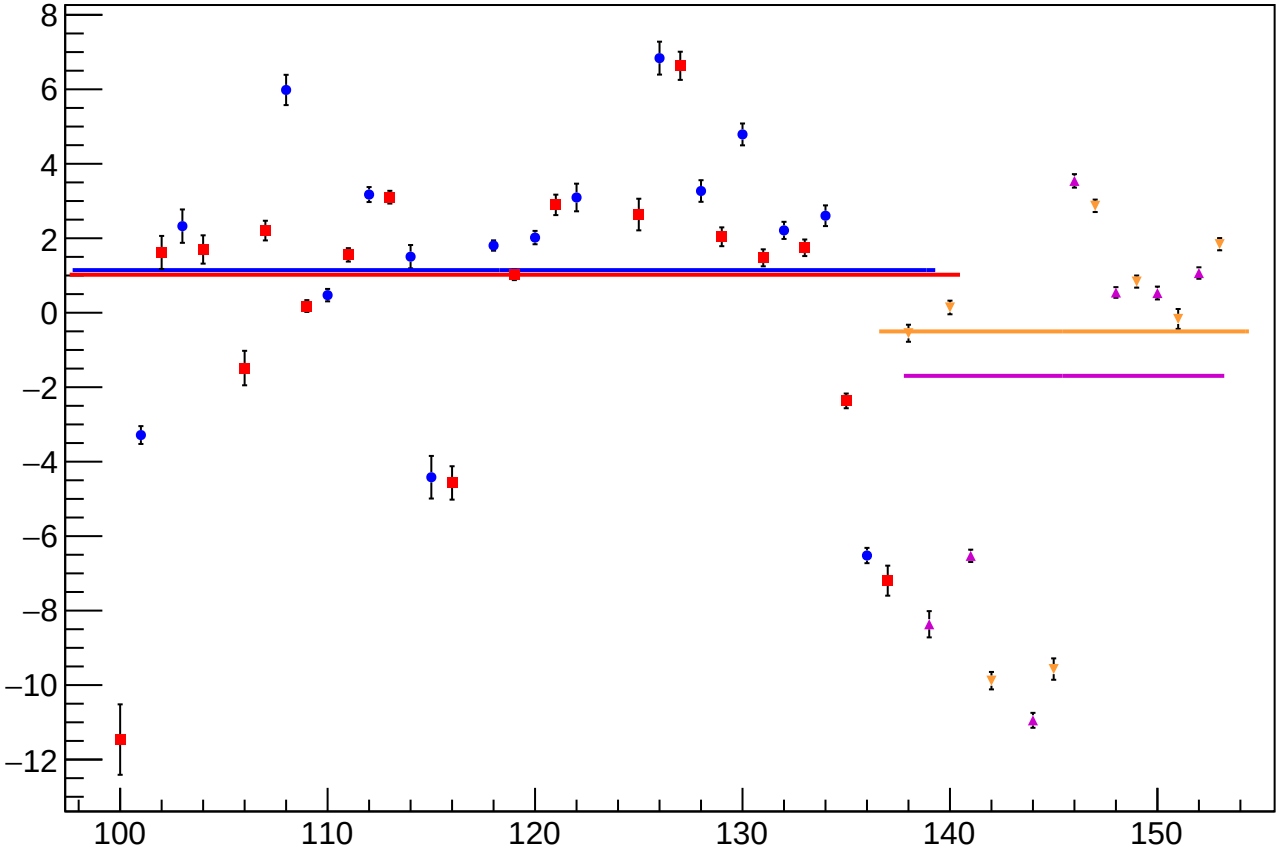
Right: -3.046+/-0.035 χ^2/NDF: 155775.7/33

In: 1.993+/-0.047 χ^2/NDF:203446.6/22

Out: 2.422+/-0.042 χ^2/NDF:198142.3/25

All: 2.234+/-0.031 χ^2/NDF: 401635.7/48

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: -0.502+/-0.070 χ^2/NDF:3294.3/7

Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: -1.695+/-0.067 χ^2/NDF:4904.0/6

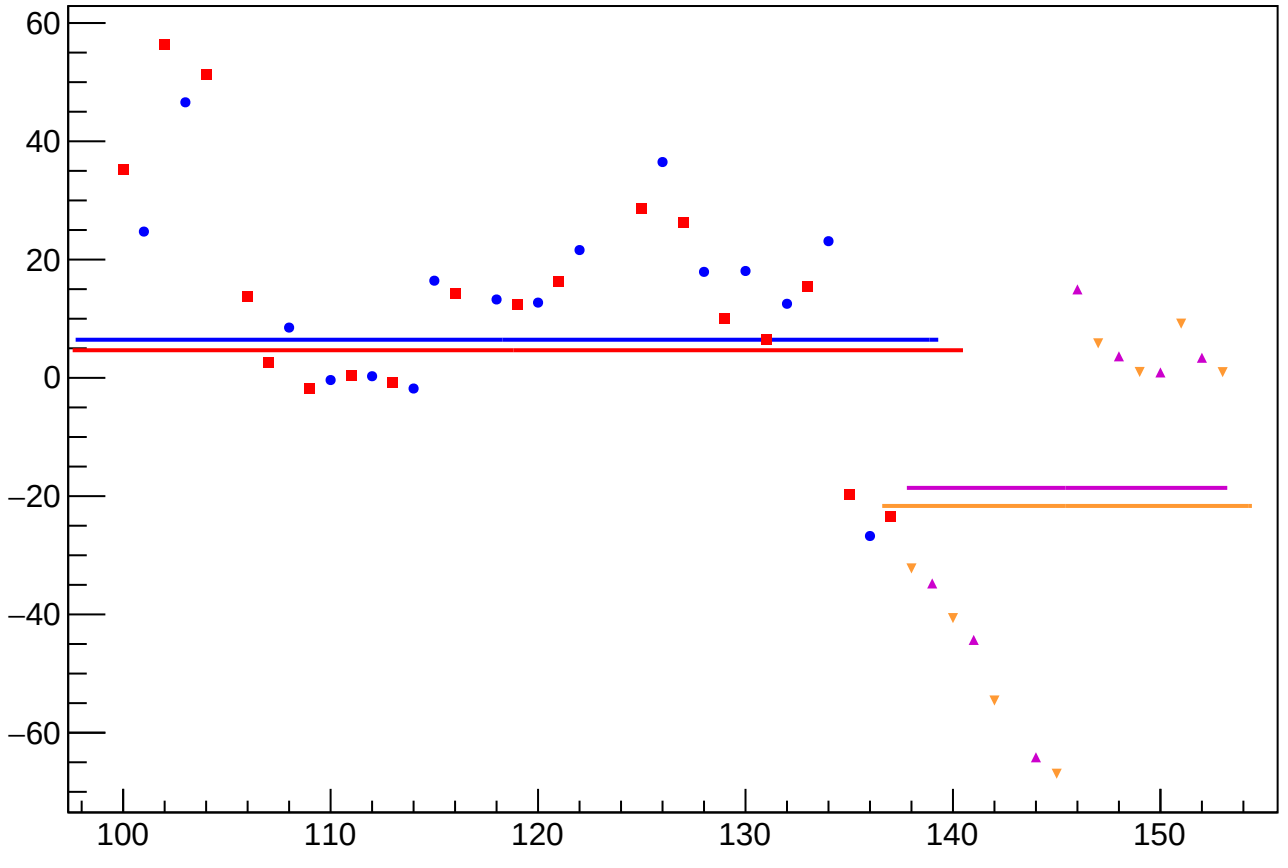
Left: -1.127+/-0.048 χ^2/NDF: 8350.5/14

Right: 1.079+/-0.041 χ^2/NDF: 4188.7/33

In: -0.128+/-0.045 χ^2/NDF:8498.3/22

Out: 0.412+/-0.044 χ^2/NDF:5169.2/25

All: 0.145+/-0.031 χ^2/NDF: 13741.3/48



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -21.656+/-0.096 χ^2/NDF:64370.0/7

Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -18.603+/-0.092 χ^2/NDF:80400.8/6

Left: -20.066+/-0.066 χ^2/NDF: 145297.0/14

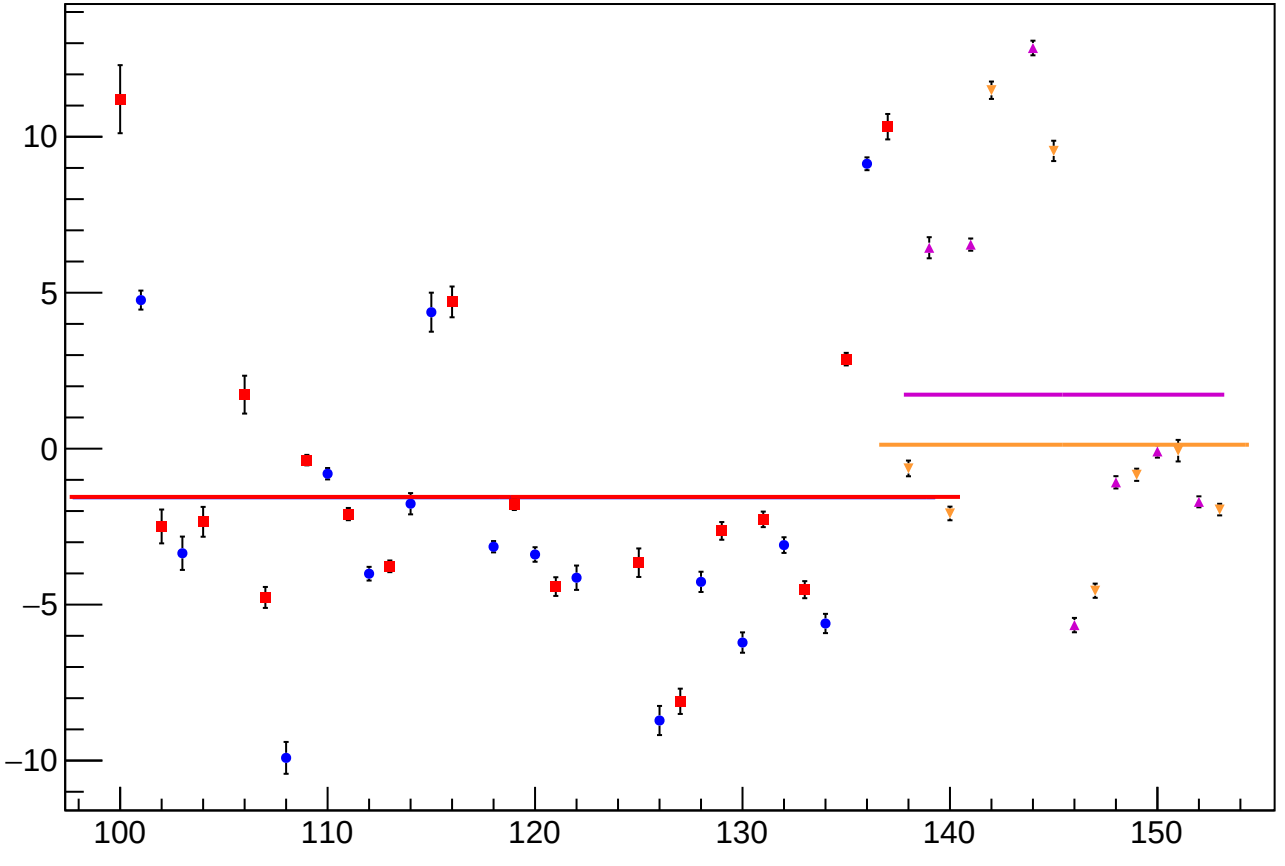
Right: 5.475+/-0.044 χ^2/NDF: 145645.8/33

In: -1.857+/-0.053 χ^2/NDF:200631.1/22

Out: -2.542+/-0.050 χ^2/NDF:193329.1/25

All: -2.218+/-0.036 χ^2/NDF: 394048.1/48

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: 0.126+/-0.084 χ^2/NDF:3177.7/7

Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: 1.731+/-0.080 χ^2/NDF:4726.4/6

Left: 0.965+/-0.058 χ^2/NDF: 8094.4/14

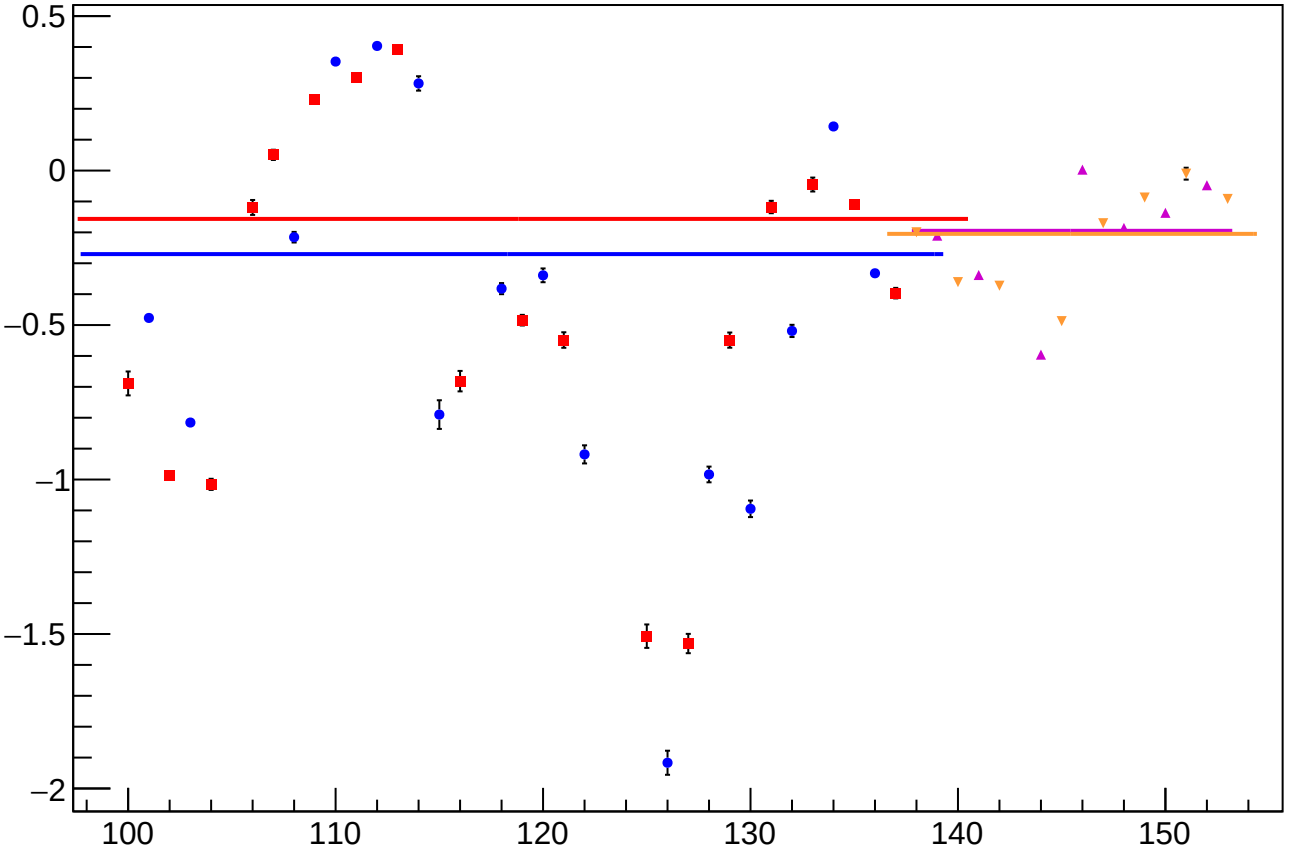
Right: -1.552+/-0.047 χ^2/NDF: 7013.2/33

In: -0.158+/-0.052 χ^2/NDF:10230.9/22

Out: -0.927+/-0.051 χ^2/NDF:5897.0/25

All: -0.552+/-0.037 χ^2/NDF: 16238.1/48

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: -0.205+/-0.004 χ^2/NDF:1263.5/7

Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.195+/-0.004 χ^2/NDF:1908.6/6

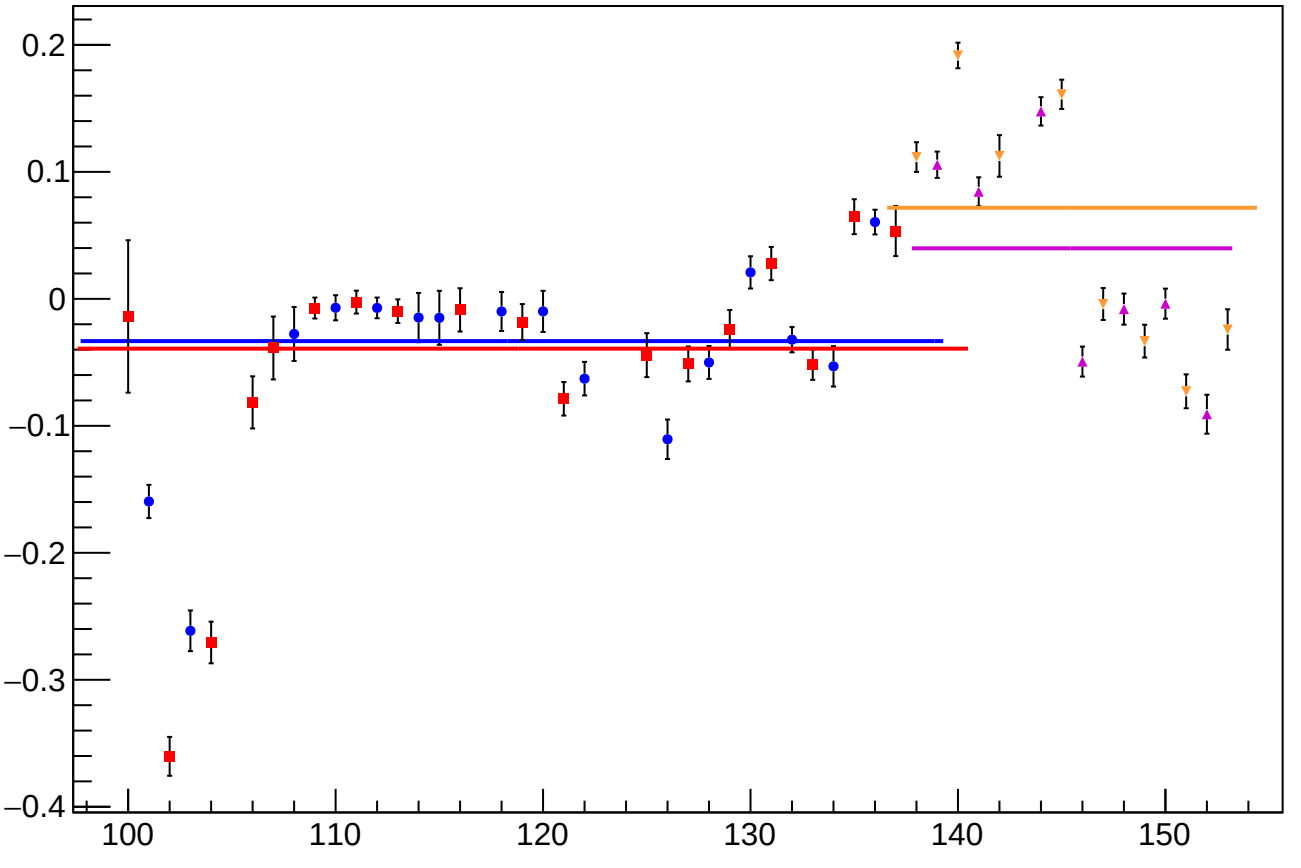
Left: -0.200+/-0.003 χ^2/NDF: 3175.7/14

Right: -0.208+/-0.003 χ^2/NDF: 27539.3/33

In: -0.227+/-0.003 χ^2/NDF:14196.3/22

Out: -0.181+/-0.003 χ^2/NDF:16375.1/25

All: -0.204+/-0.002 χ^2/NDF: 30720.3/48



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.072+/-0.004 χ^2/NDF:476.2/7

Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: 0.040+/-0.004 χ^2/NDF:307.5/6

Left: 0.056+/-0.003 χ^2/NDF: 809.4/14

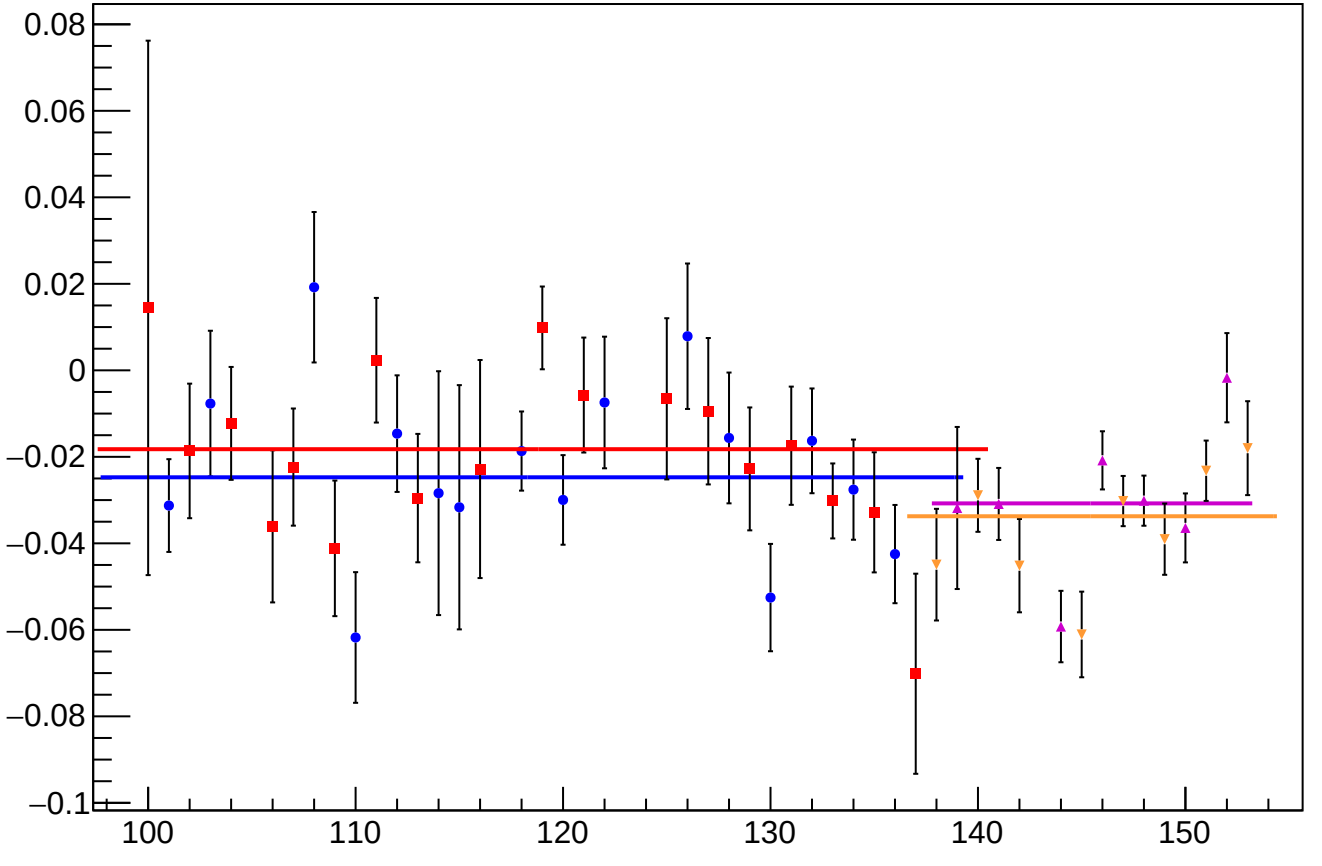
Right: -0.036+/-0.002 χ^2/NDF: 1272.8/33

In: -0.008+/-0.003 χ^2/NDF:947.8/22

Out: -0.002+/-0.003 χ^2/NDF:1694.4/25

All: -0.005+/-0.002 χ^2/NDF: 2645.3/48

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: -0.034+/-0.003 χ^2/NDF:15.0/7

Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.031+/-0.003 χ^2/NDF:22.5/6

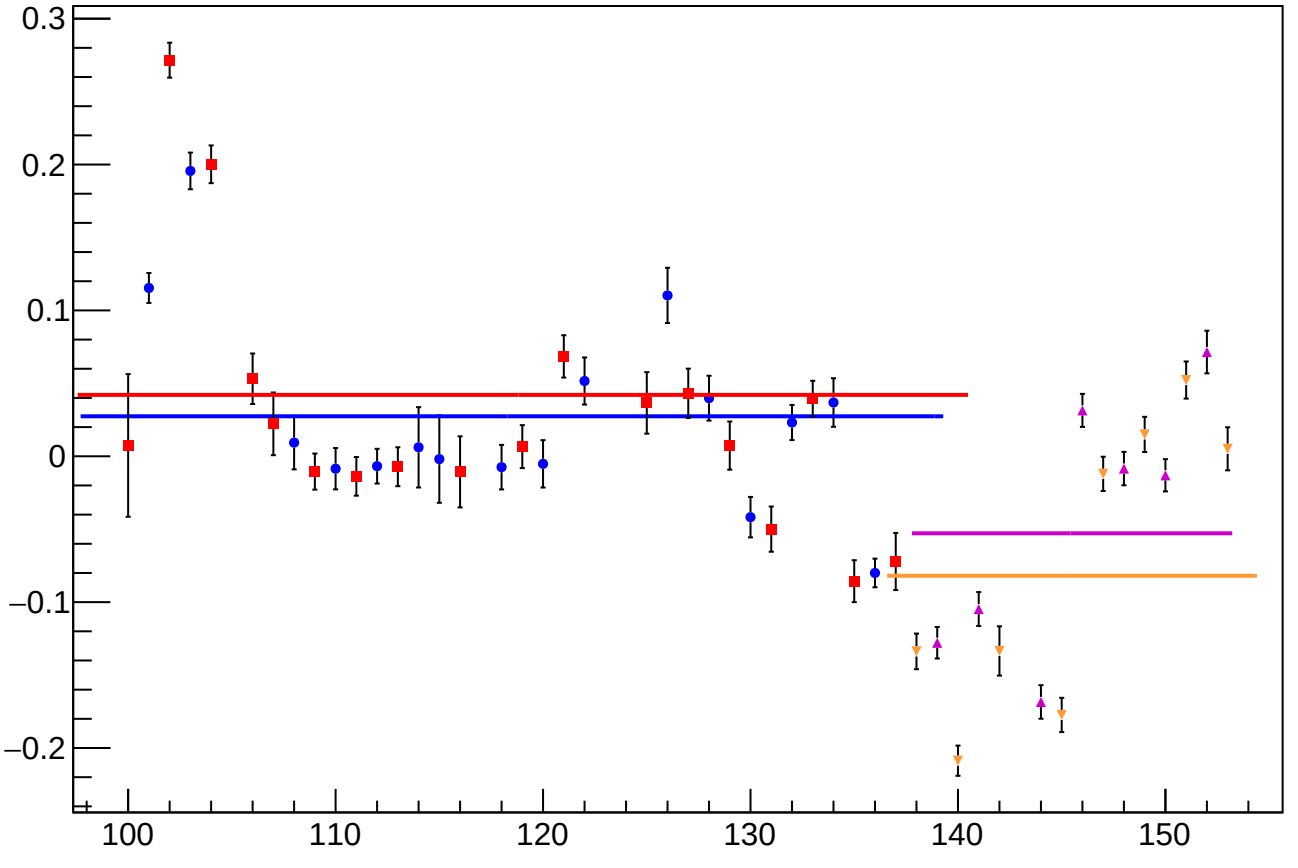
Left: -0.032+/-0.002 χ^2/NDF: 38.0/14

Right: -0.022+/-0.002 χ^2/NDF: 55.1/33

In: -0.028+/-0.002 χ^2/NDF:52.9/22

Out: -0.027+/-0.002 χ^2/NDF:51.5/25

All: -0.027+/-0.002 χ^2/NDF: 104.5/48



Right In: 0.027+/-0.004 χ^2/NDF: 446.1/15

Left Out: -0.082+/-0.004 χ^2/NDF:489.3/7

Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.053+/-0.004 χ^2/NDF:325.0/6

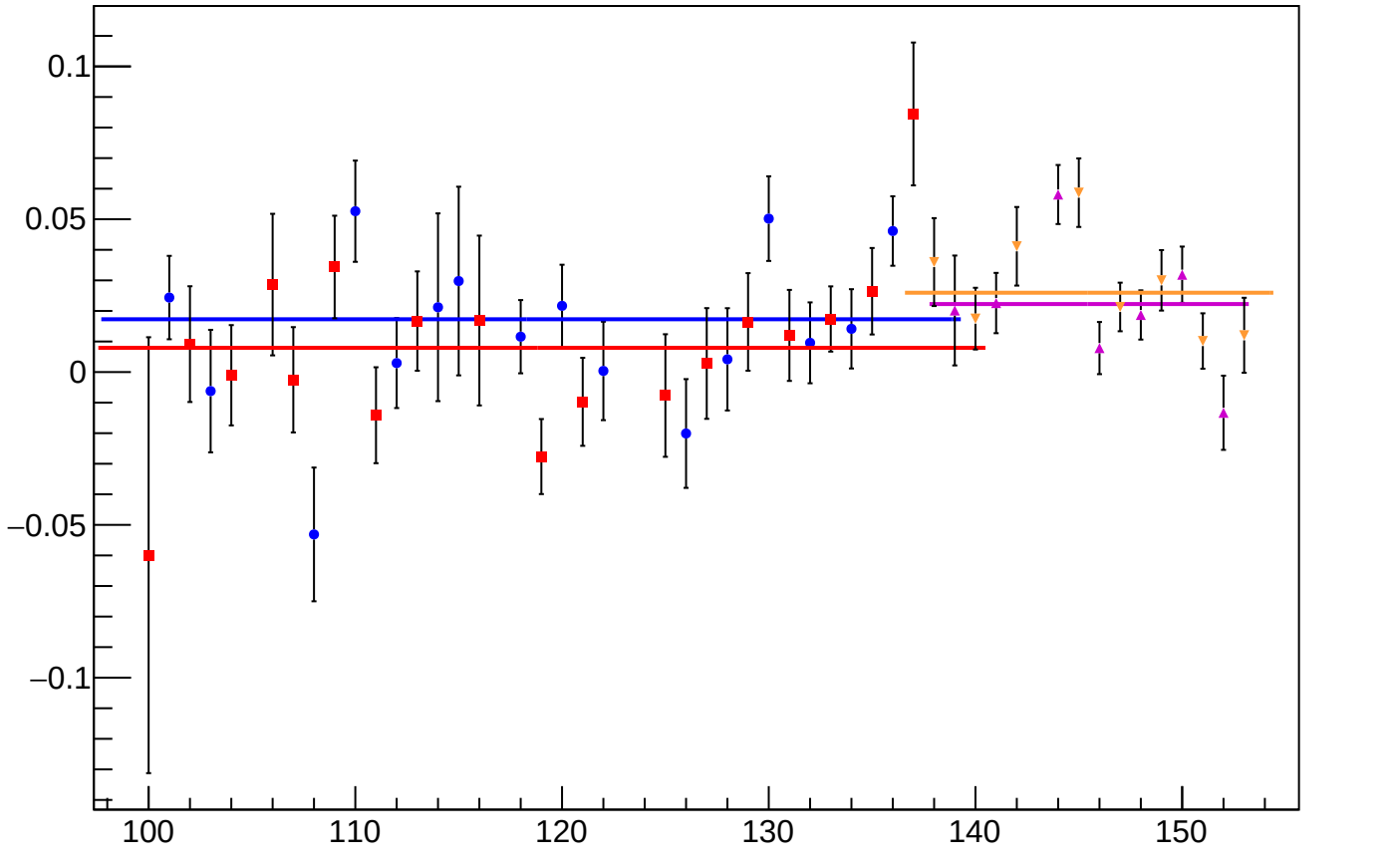
Left: -0.067+/-0.003 χ^2/NDF: 836.3/14

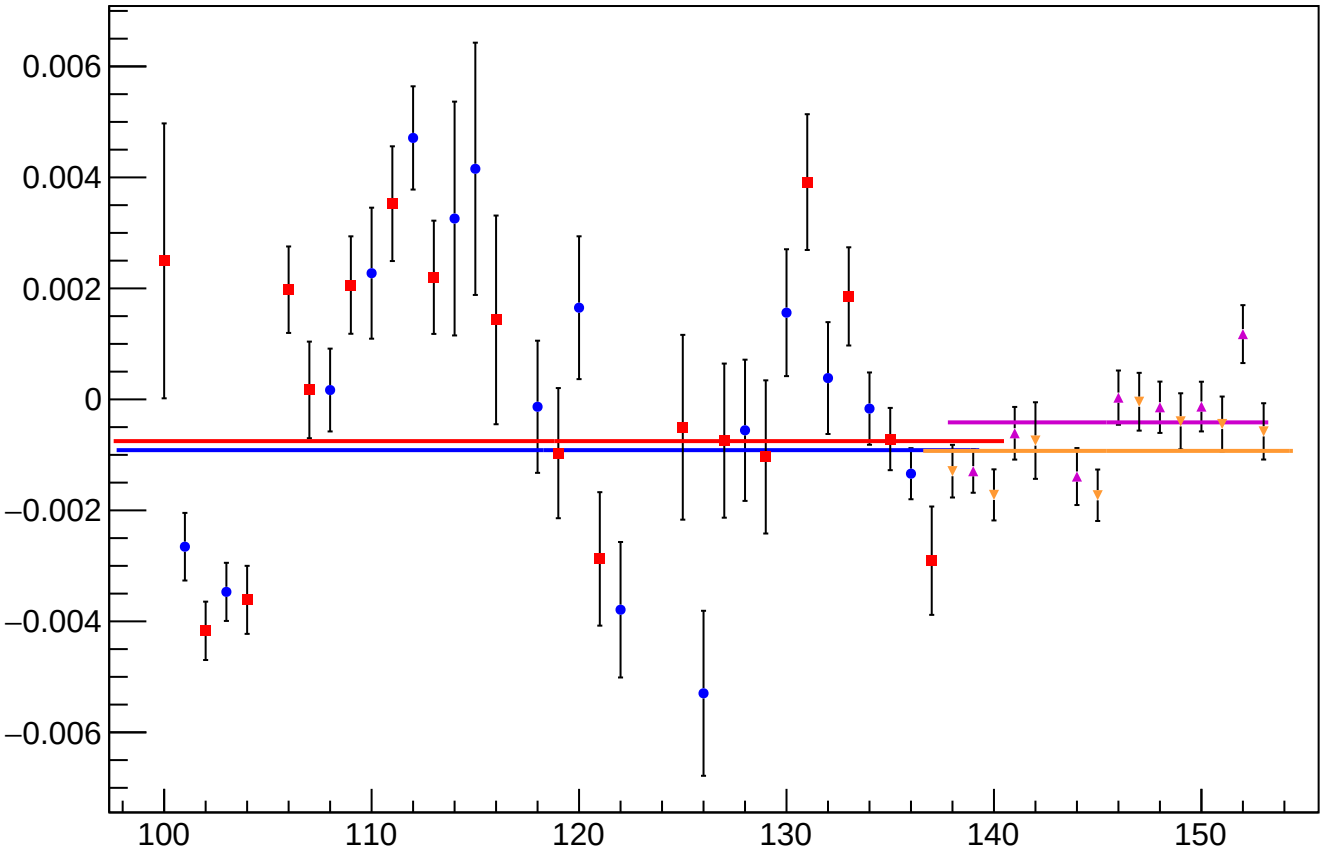
Right: 0.035+/-0.003 χ^2/NDF: 1187.6/33

In: -0.005+/-0.003 χ^2/NDF:971.7/22

Out: -0.008+/-0.003 χ^2/NDF:1694.4/25

All: -0.006+/-0.002 χ^2/NDF: 2667.1/48


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
Right In: 0.017+/-0.004 χ²/NDF: 36.7/15
Left Out: 0.026+/-0.004 χ²/NDF:15.9/7
Right Out: 0.008+/-0.004 χ²/NDF: 31.4/17
Left In: 0.022+/-0.004 χ²/NDF:26.5/6
Left: 0.024+/-0.003 χ²/NDF: 42.9/14
Right: 0.013+/-0.003 χ²/NDF: 71.0/33
In: 0.020+/-0.003 χ²/NDF:64.0/22
Out: 0.017+/-0.003 χ²/NDF:58.6/25
All: 0.019+/-0.002 χ²/NDF: 123.0/48



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.001+/-0.000 χ^2/NDF:12.1/7

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

Left In: -0.000+/-0.000 χ^2/NDF:19.8/6

Left: -0.001+/-0.000 χ^2/NDF: 36.1/14

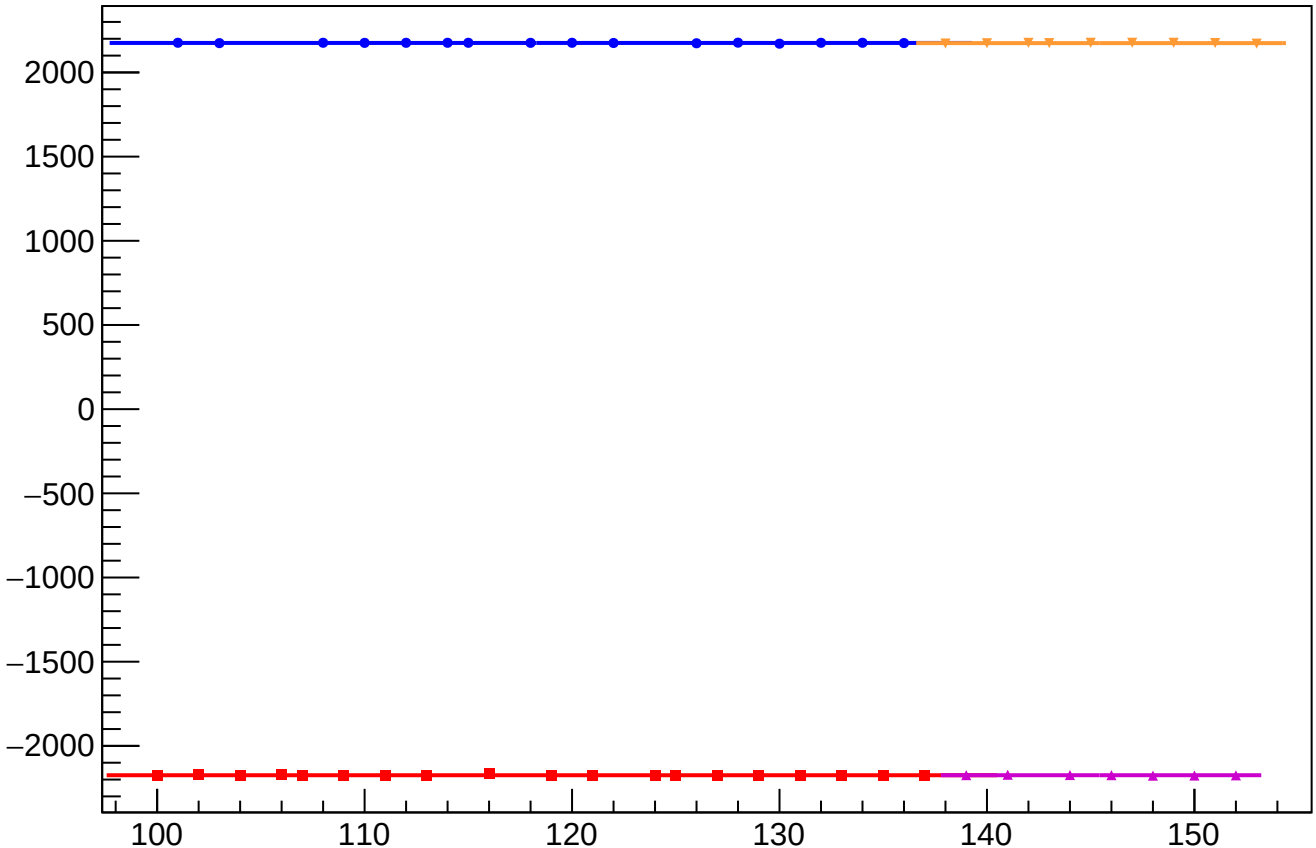
Right: -0.001+/-0.000 χ^2/NDF: 261.9/33

In: -0.001+/-0.000 χ^2/NDF:137.2/22

Out: -0.001+/-0.000 χ^2/NDF:160.0/25

All: -0.001+/-0.000 χ^2/NDF: 298.7/48

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

Left Out: 2174.229+/-0.000 χ^2/NDF:26201321315431805899853770428252 16.0/8

Right Out: -2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171 8272.0/18

Left In: -2174.247+/-0.000 χ^2/NDF:189134063808449473295418998233 4976.0/6

Left: 160.634+/-0.000 χ^2/NDF: 642696134364560

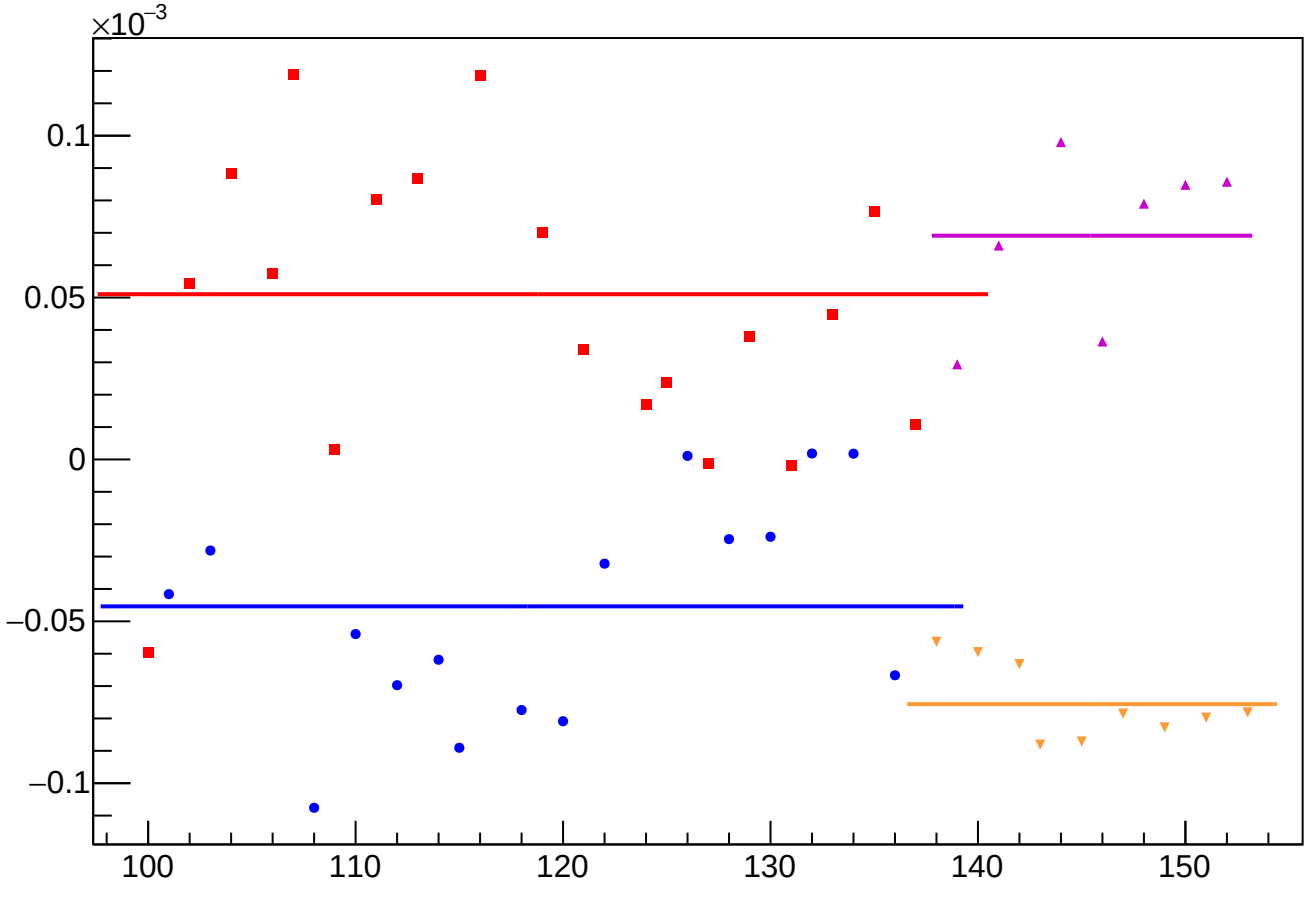
Right: -31.373+/-0.000 χ^2/NDF: 711179104907611

In: 171.416+/-0.000 χ^2/NDF:645808299180980

Out: -42.168+/-0.000 χ^2/NDF:707438793376623

All: 60.049+/-0.000 χ^2/NDF: 135651531556

HALLA_dpp_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 71313208137812237772390 4.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:91121086674440814592000.0/8

Right Out: 0.000+/-0.000 χ^2/NDF: 10119559107206471011532 80.0/18

Left In: 0.000+/-0.000 χ^2/NDF:36732019274592157905715 2.0/6

Left: -0.000+/-0.000 χ^2/NDF: 75744220707309548

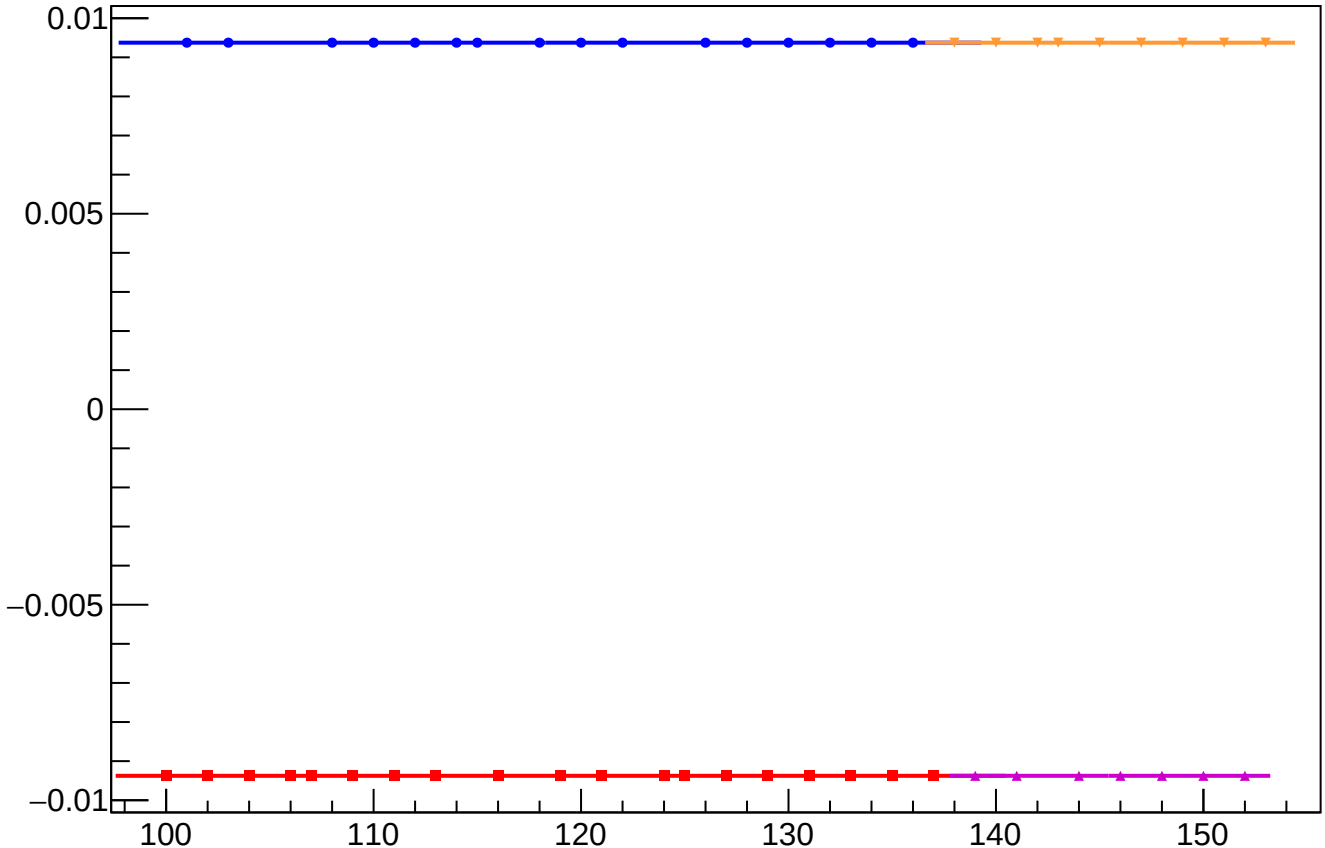
Right: 0.000+/-0.000 χ^2/NDF: 52193568733401849

In: 0.000+/-0.000 χ^2/NDF:55554812813220370 06

Out: -0.000+/-0.000 χ^2/NDF:71003676131185544

All: -0.000+/-0.000 χ^2/NDF: 1289880340362

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:0.0/8

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/6

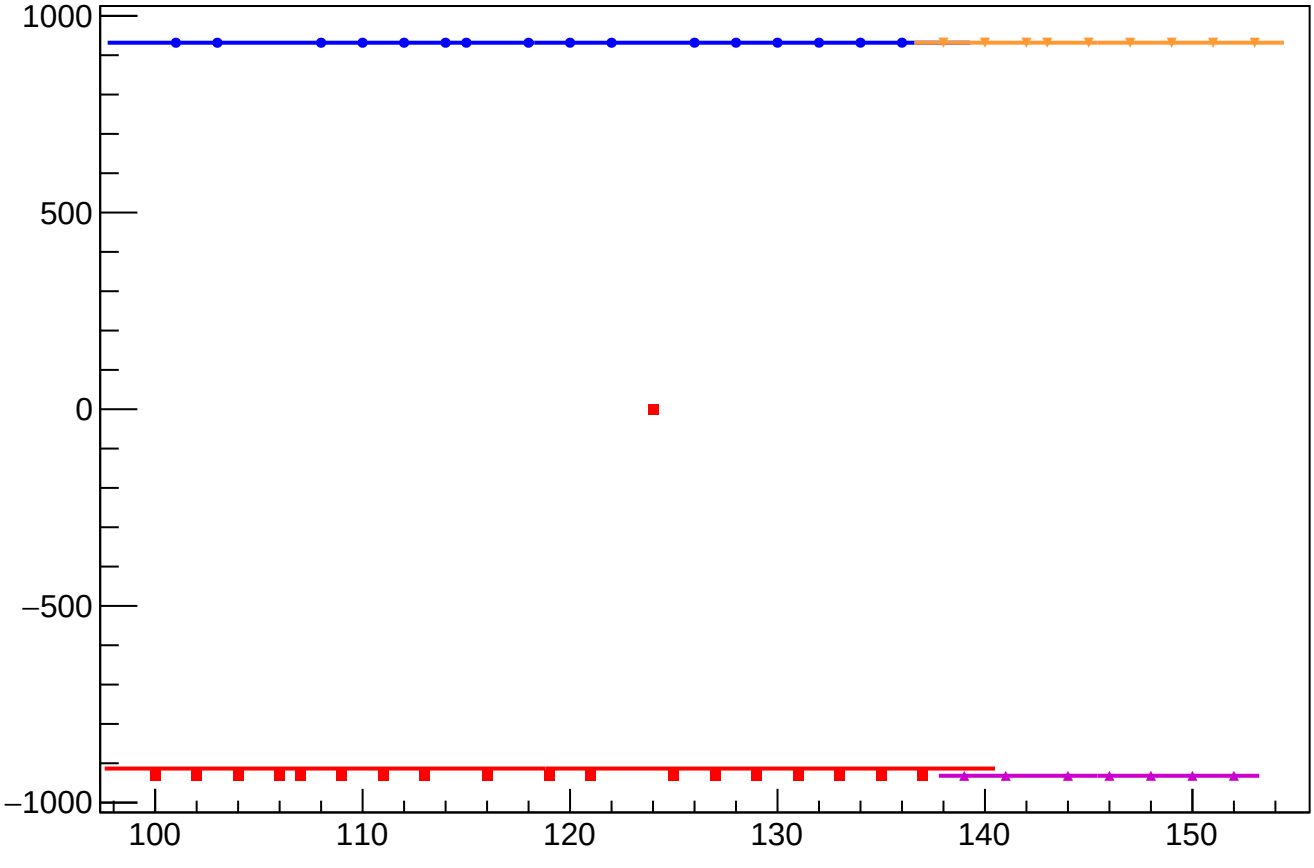
Left: 0.001+/-0.000 χ^2/NDF: 119490615855888366

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.001+/-0.000 χ^2/NDF:1200156079421394887

Out: -0.000+/-0.000 χ^2/NDF:13152288952905785

All: 0.000+/-0.000 χ^2/NDF: 25214292711598



Right In: 931.769+/-0.000 χ^2/NDF: 2757217223595001187167685836800.0/15

Left Out: 931.800+/-0.000 χ^2/NDF:34753679415262055725267314278400.0/8

Right Out: -913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

Left In: -931.795+/-0.000 χ^2/NDF:27701548053696373625532186624000.0/6

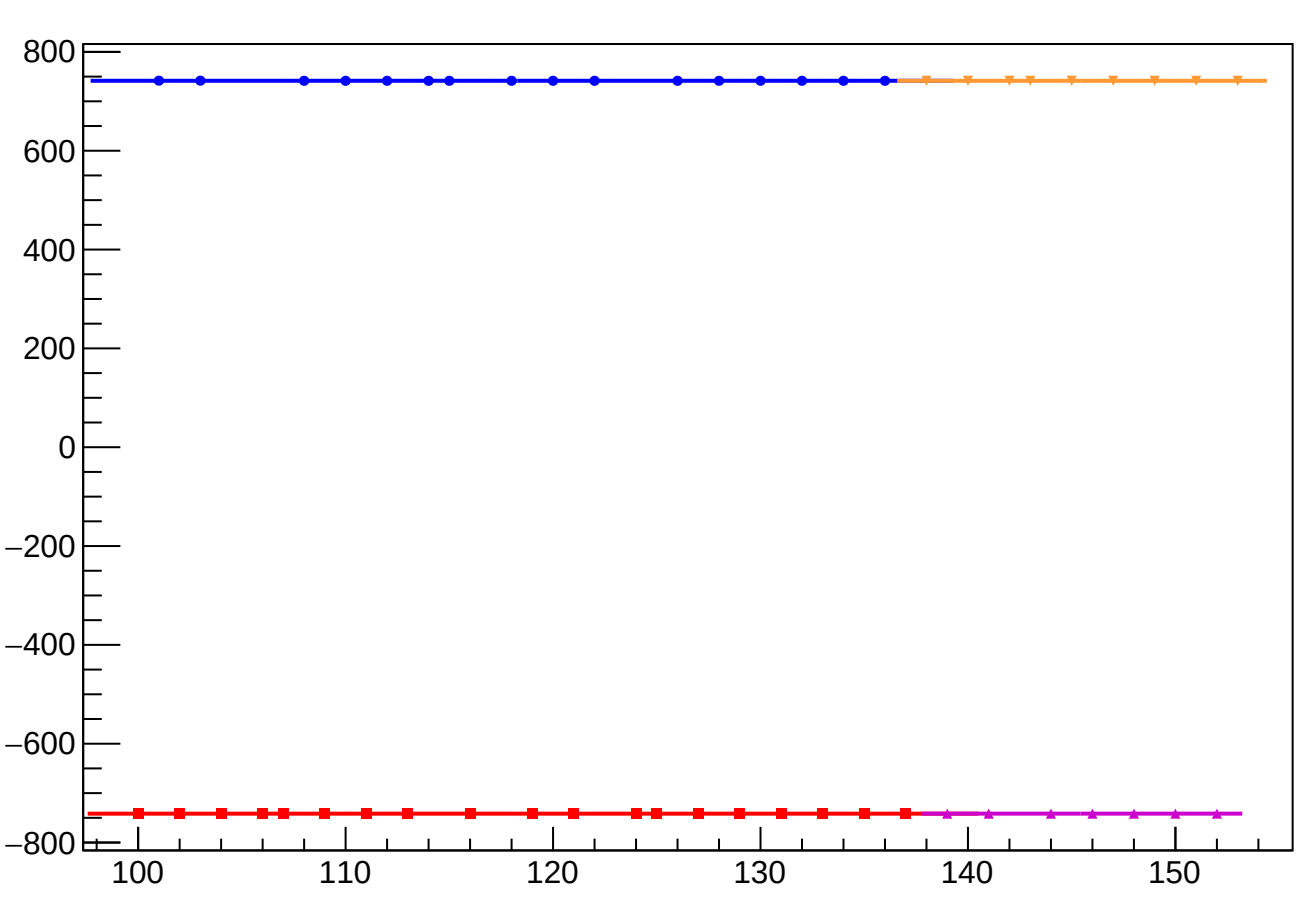
Left: 68.848+/-0.000 χ^2/NDF: 11804137768119474

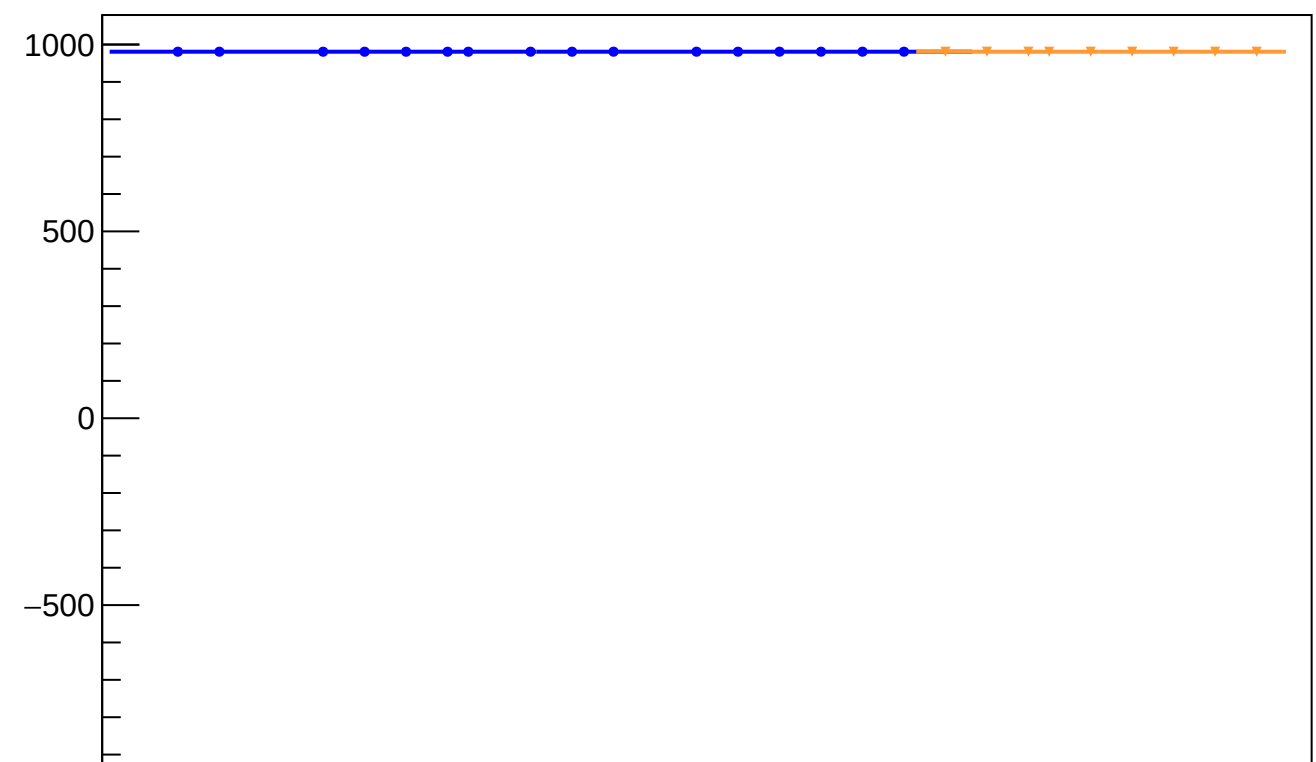
Right: -4.335+/-0.000 χ^2/NDF: 1292705120140630

In: 73.228+/-0.000 χ^2/NDF:11855604066086558

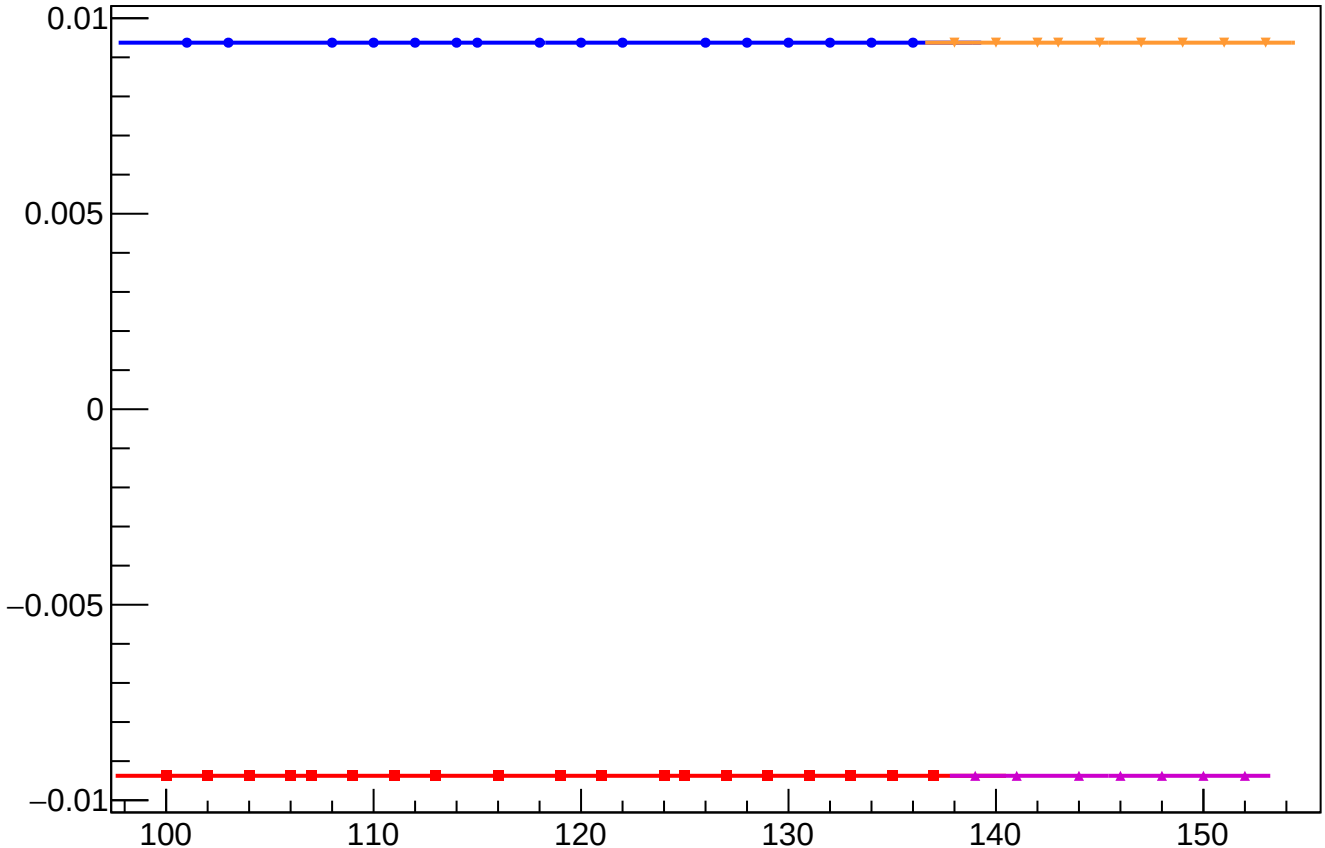
Out: -8.697+/-0.000 χ^2/NDF:12865853960474484

All: 30.511+/-0.000 χ^2/NDF: 247695419563


HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
Right In: 741.569+/-0.000 χ²/NDF: 643295117612794706193889938636 8.0/15
Left Out: 741.522+/-0.000 χ²/NDF:6731615597493478324188689 2032.0/8
Right Out: -741.577+/-0.000 χ²/NDF: 769226394789261471153747761 5616.0/18
Left In: -741.523+/-0.000 χ²/NDF:481695051359029361448331509 76.0/6
Left: 54.787+/-0.000 χ²/NDF: 74755016315103556
Right: -10.851+/-0.000 χ²/NDF: 826918104240998
In: 58.310+/-0.000 χ²/NDF:750881631550774218
Out: -14.393+/-0.000 χ²/NDF:8228850637716837
All: 20.401+/-0.000 χ²/NDF: 1577553537282


HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
110
120
130
140
150
Right In: 980.804+/-0.000 χ²/NDF: 9333132768848077867742459330560/15
Left Out: 980.780+/-0.000 χ²/NDF:506971176492269060378083721216.0/8
Right Out: -980.725+/-0.000 χ²/NDF: 560402056173583362216628762705920/18
Left In: -980.799+/-0.000 χ²/NDF:7850992959060939230551547576320/6
Left: 72.456+/-0.000 χ²/NDF: 1307805146737365
Right: -14.307+/-0.000 χ²/NDF: 144638600880856
In: 77.096+/-0.000 χ²/NDF:131358279722820224
Out: -18.971+/-0.000 χ²/NDF:1439387144137409
All: 27.004+/-0.000 χ²/NDF: 2759581855381

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:0.0/8

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/6

Left: 0.001+/-0.000 χ^2/NDF: 119490615855888366

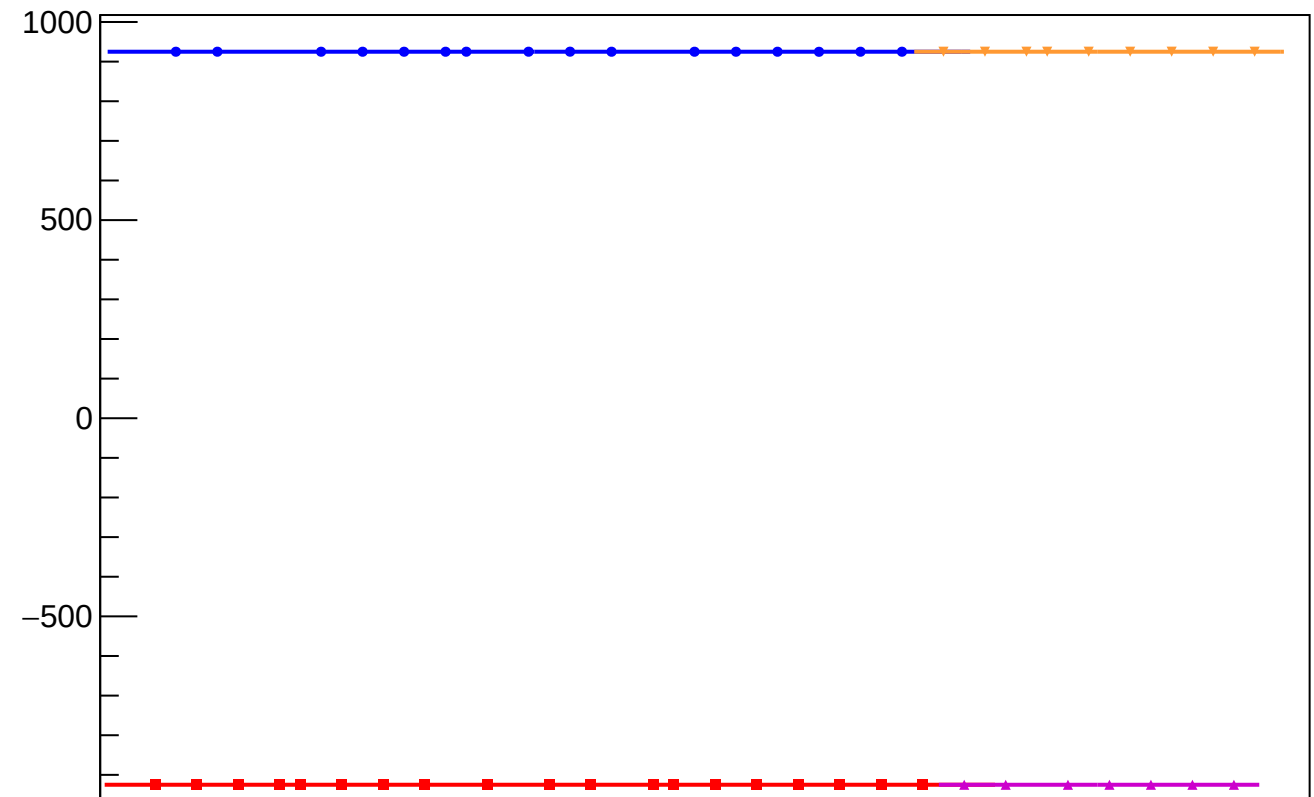
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.001+/-0.000 χ^2/NDF:1200156079421394887

Out: -0.000+/-0.000 χ^2/NDF:13152288952905785

All: 0.000+/-0.000 χ^2/NDF: 25214292711598

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 924.966+/-0.000 χ^2/NDF: 254437050808765880053303712153 6.0/15

Left Out: 925.001+/-0.000 χ^2/NDF:42331005156623134162844175564 8.0/8

Right Out: -924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

Left In: -925.002+/-0.000 χ^2/NDF:34308900540828966919043914137 6.0/6

Left: 68.343+/-0.000 χ^2/NDF: 116325820185894 51

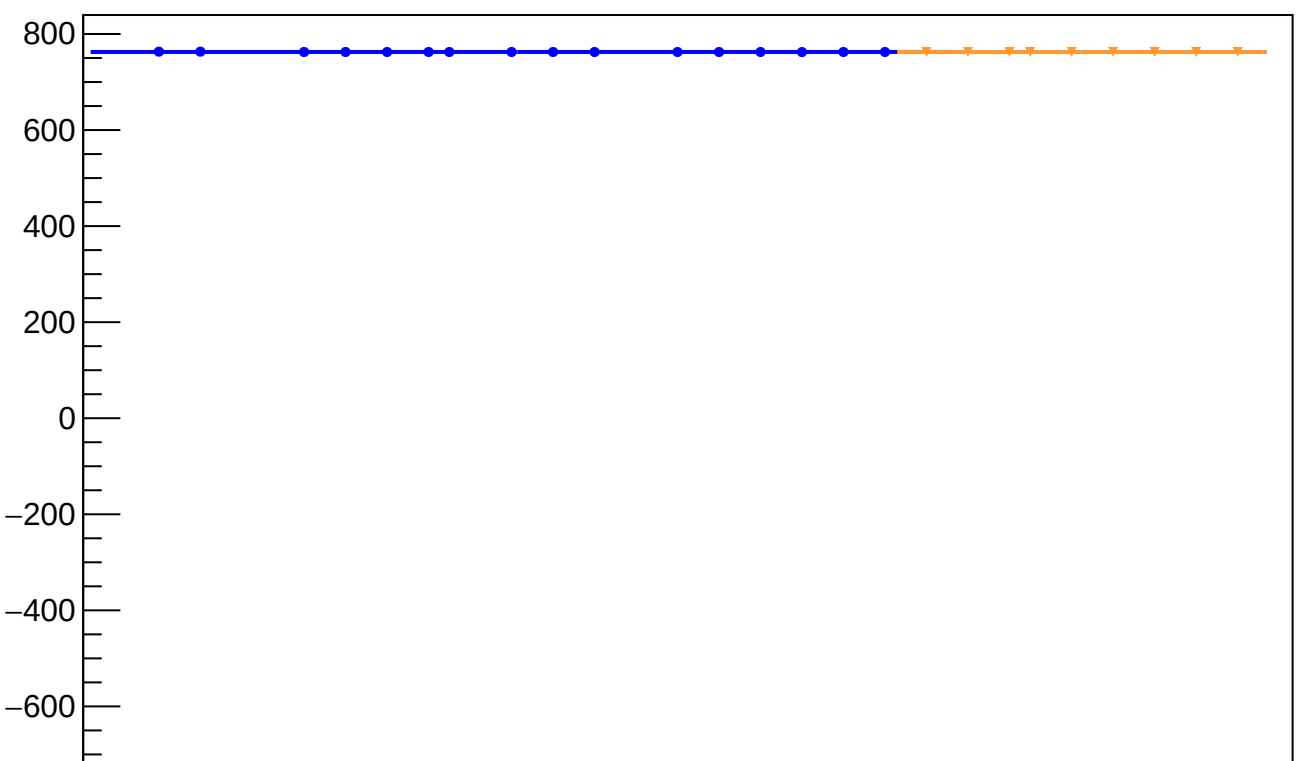
Right: -13.534+/-0.000 χ^2/NDF: 12865015591145 07

In: 72.688+/-0.000 χ^2/NDF:116832534554248 262

Out: -17.906+/-0.000 χ^2/NDF:12803551713528 29

All: 25.451+/-0.000 χ^2/NDF: 24545604402 79

HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

Left Out: 762.498+/-0.000 χ^2/NDF:74568101333305849389195984896.0/8

Right Out: -762.618+/-0.000 χ^2/NDF: 53134338532630395841297843748864.0/18

Left In: -762.499+/-0.000 χ^2/NDF:58558696964742748446690115584.0/6

Left: 56.336+/-0.000 χ^2/NDF: 79044068668645614

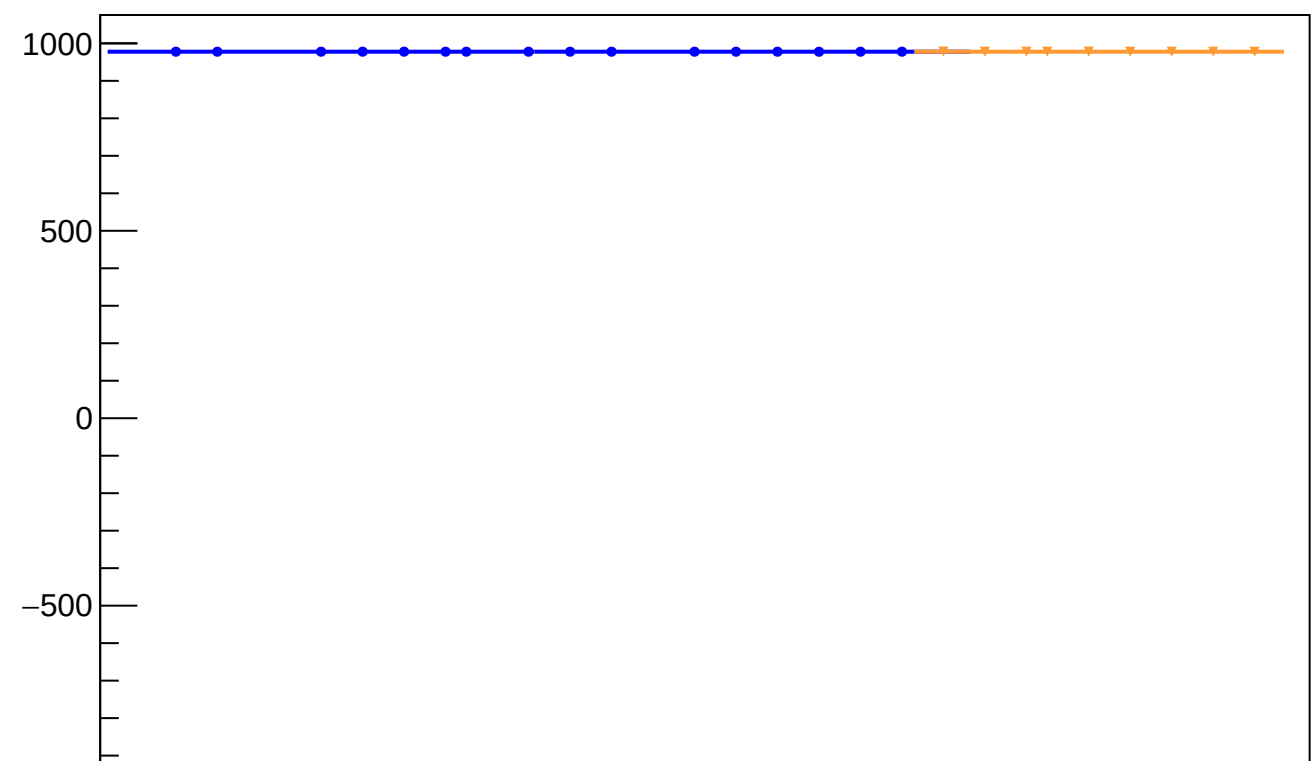
Right: -11.159+/-0.000 χ^2/NDF: 8745102746392638

In: 59.994+/-0.000 χ^2/NDF:79403122644679216

Out: -14.832+/-0.000 χ^2/NDF:8701706815827048

All: 20.978+/-0.000 χ^2/NDF: 1668213268444

HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 977.749+/-0.000 χ^2/NDF: 19595783310723160744482245181440.0/15

Left Out: 977.755+/-0.000 χ^2/NDF:7649657268736119141635131965440.0/8

Right Out: -977.747+/-0.000 χ^2/NDF: 178222687781691472632796623667 2.0/18

Left In: -977.752+/-0.000 χ^2/NDF:78218323670320079537034389094 4.0/6

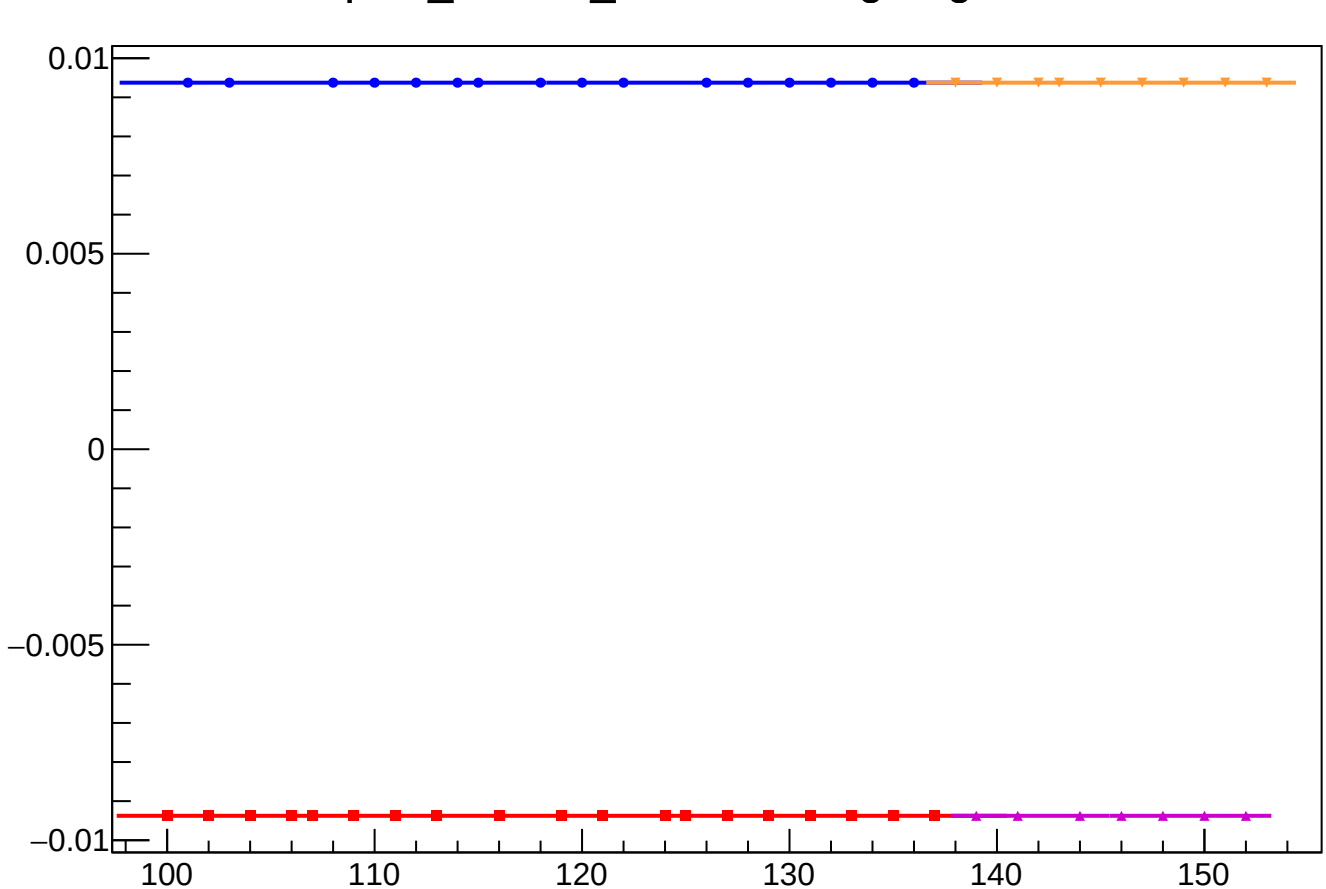
Left: 72.242+/-0.000 χ^2/NDF: 1299720511504759

Right: -14.301+/-0.000 χ^2/NDF: 143750377983115

In: 76.852+/-0.000 χ^2/NDF:130542314174387709

Out: -18.937+/-0.000 χ^2/NDF:1430590967238793

All: 26.906+/-0.000 χ^2/NDF: 2742587843502



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/8

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/6

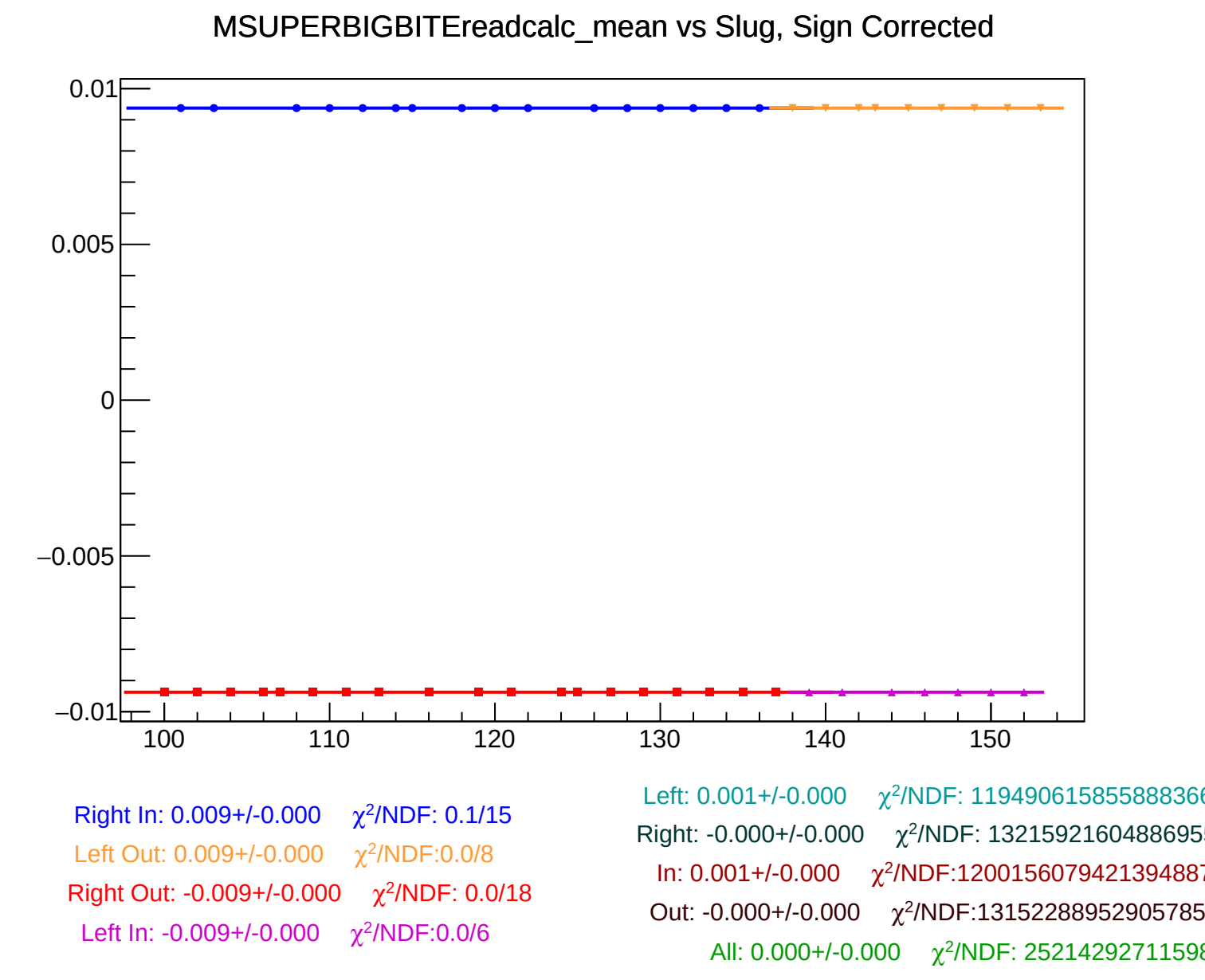
Left: 0.001+/-0.000 χ^2/NDF: 119490615855888366

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

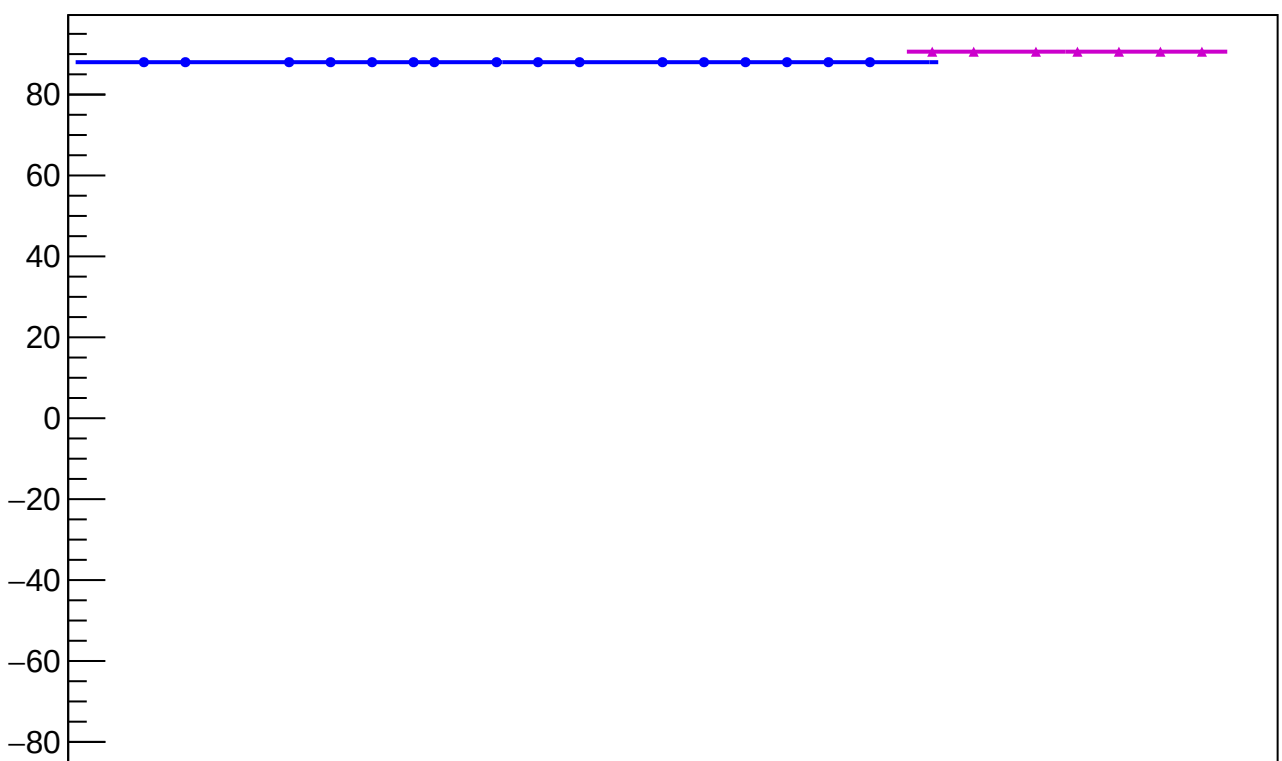
In: 0.001+/-0.000 χ^2/NDF:1200156079421394887

Out: -0.000+/-0.000 χ^2/NDF:13152288952905785

All: 0.000+/-0.000 χ^2/NDF: 25214292711598


MSUPERBIGBITEreadcalc_mean vs Slug, Sign Corrected
0.01
0.005
0
−0.005
−0.01
100
110
120
130
140
150
Right In: 0.009+/-0.000 χ²/NDF: 0.1/15
Left Out: 0.009+/-0.000 χ²/NDF:0.0/8
Right Out: -0.009+/-0.000 χ²/NDF: 0.0/18
Left In: -0.009+/-0.000 χ²/NDF:0.0/6
Left: 0.001+/-0.000 χ²/NDF: 119490615855888366
Right: -0.000+/-0.000 χ²/NDF: 1321592160488695
In: 0.001+/-0.000 χ²/NDF:1200156079421394887
Out: -0.000+/-0.000 χ²/NDF:13152288952905785
All: 0.000+/-0.000 χ²/NDF: 25214292711598

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:2927847.8/8

Right Out: -88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

Left In: 90.599+/-0.000 χ^2/NDF:872417.1/6

Left: -6.694+/-0.000 χ^2/NDF: 11159401446680328

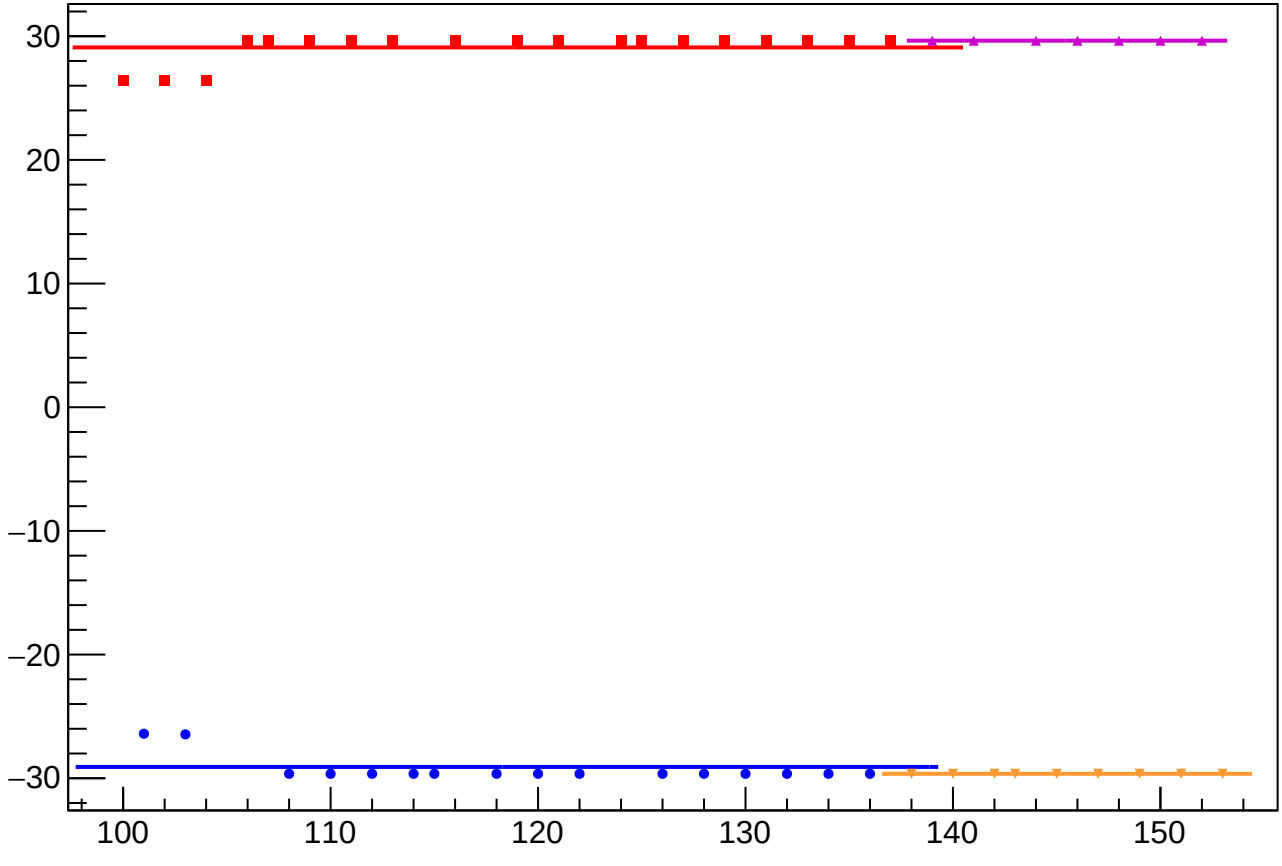
Right: -1.289+/-0.000 χ^2/NDF: 1164502782894649

In: 89.198+/-0.000 χ^2/NDF:230521780022385953

Out: -89.276+/-0.000 χ^2/NDF:2521064884366083

All: -3.862+/-0.000 χ^2/NDF: 2282535191200

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:172880.4/8

Right Out: 29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977 6000.0/18

Left In: 29.641+/-0.000 χ^2/NDF:23337.7/6

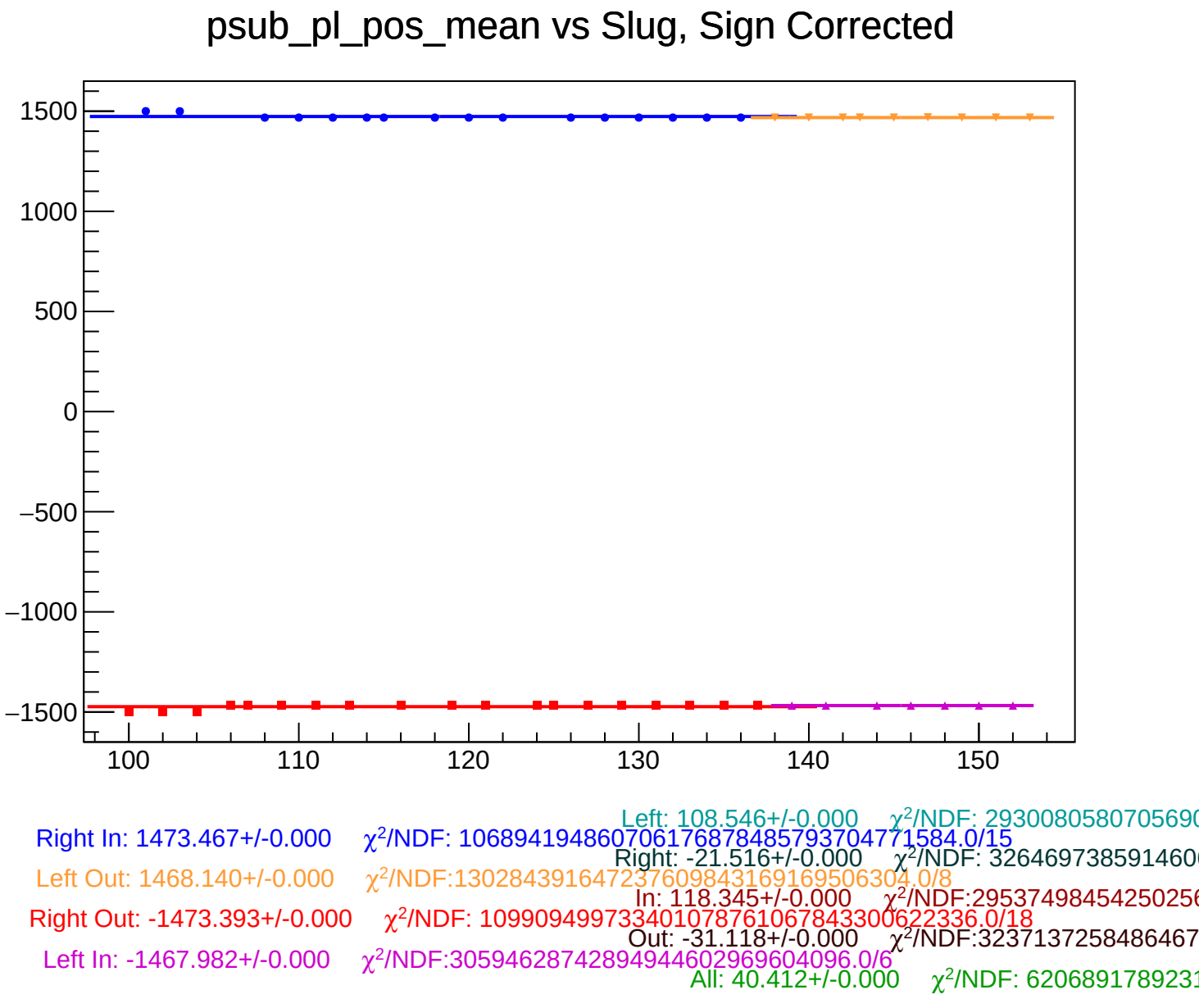
Left: -2.190+/-0.000 χ^2/NDF: 11944507565958685

Right: 0.429+/-0.000 χ^2/NDF: 12746007522578358

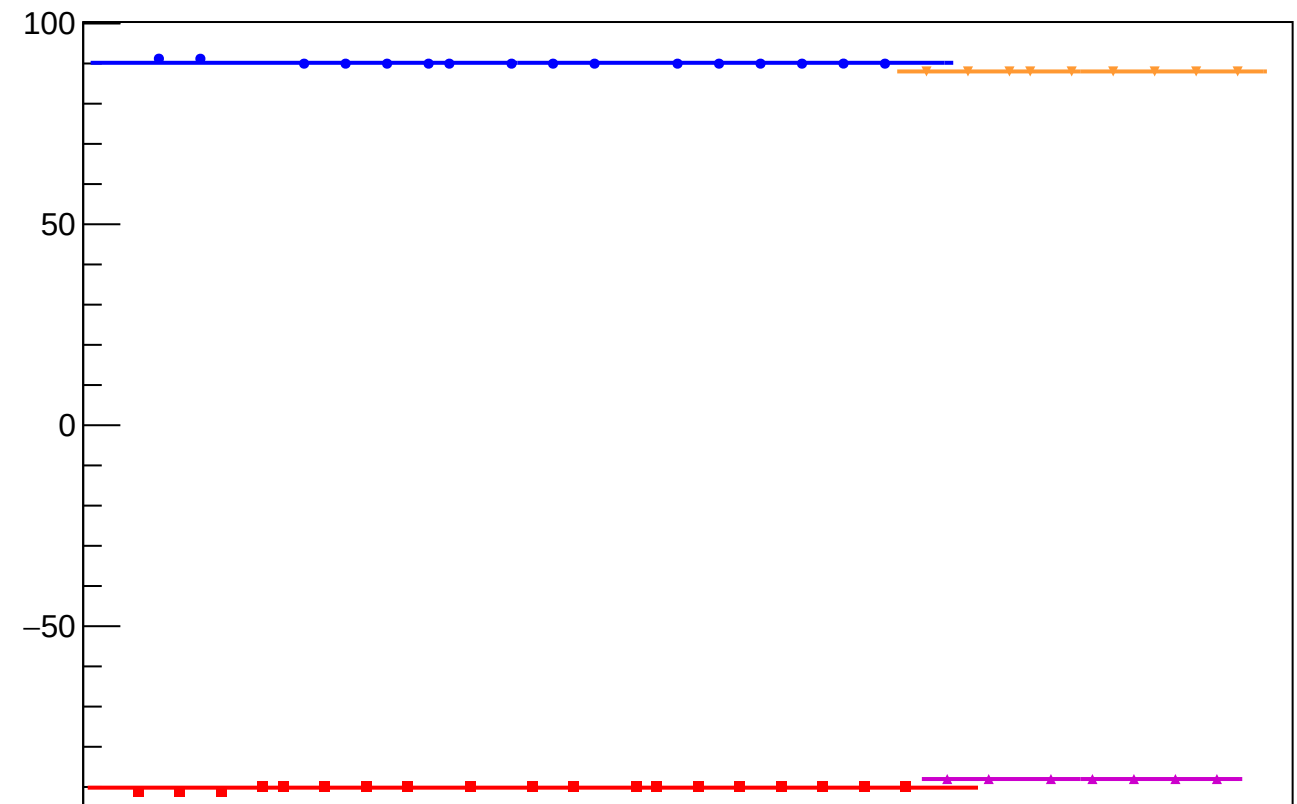
In: -2.030+/-0.000 χ^2/NDF:11784225620163473 9

Out: 0.295+/-0.000 χ^2/NDF:12916678630096023 8

All: -0.818+/-0.000 χ^2/NDF: 247396440555 5


psub_pl_pos_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
Left: 108.546+/-0.000 χ²/NDF: 2930080580705690
Right In: 1473.467+/-0.000 χ²/NDF: 106894194860706176878485793704771584.0/15
Right: -21.516+/-0.000 χ²/NDF: 3264697385914600
Left Out: 1468.140+/-0.000 χ²/NDF:13028439164723760984316916950630 4.0/8
In: 118.345+/-0.000 χ²/NDF:29537498454250256
Right Out: -1473.393+/-0.000 χ²/NDF: 109909499733401078761067843300622336.0/18
Out: -31.118+/-0.000 χ²/NDF:3237137258486467
Left In: -1467.982+/-0.000 χ²/NDF:3059462874289494460296960 4096.0/6
All: 40.412+/-0.000 χ²/NDF: 6206891789231

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:3185332.0/8

Right Out: -90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

Left In: -88.021+/-0.000 χ^2/NDF:510929.4/6

Left: 6.503+/-0.000 χ^2/NDF: 105332141435508034

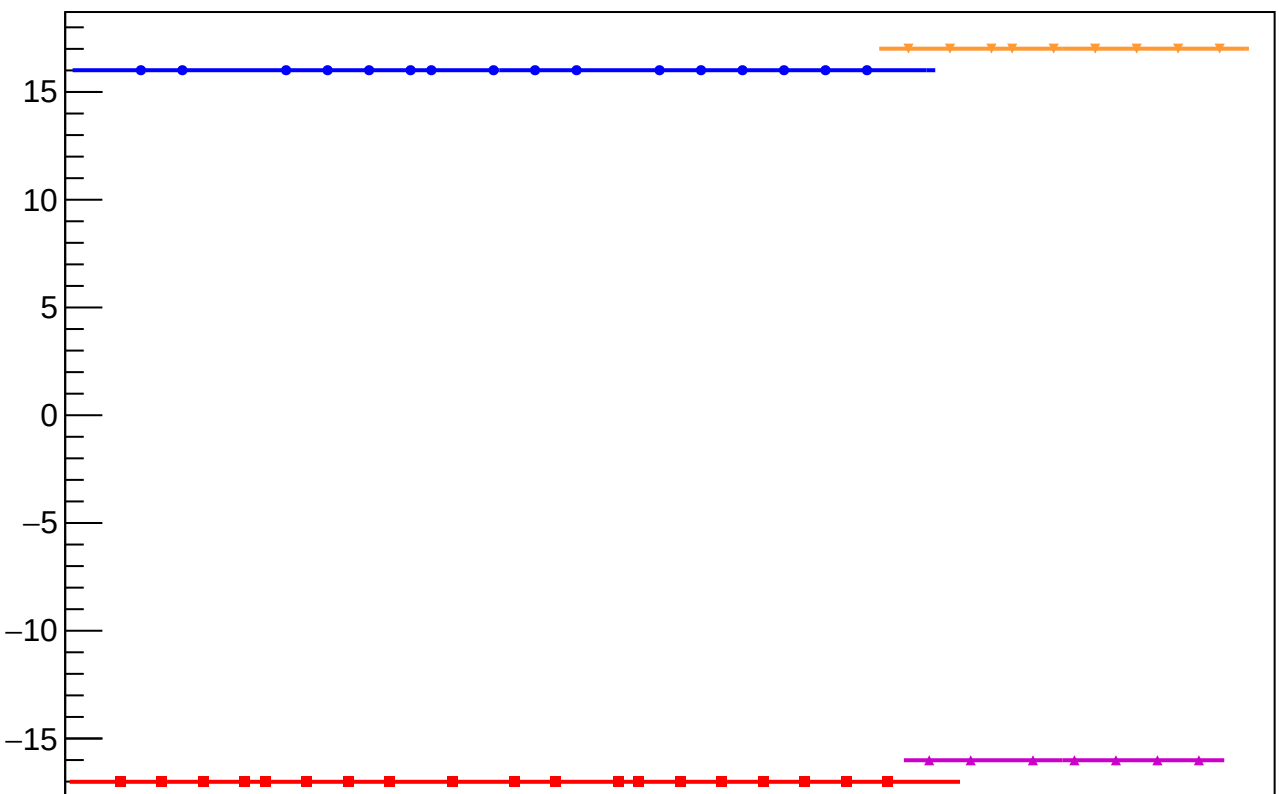
Right: -1.317+/-0.000 χ^2/NDF: 1222640469973926

In: 8.079+/-0.000 χ^2/NDF:108398960739722805

Out: -2.800+/-0.000 χ^2/NDF:11878722971101111

All: 2.407+/-0.000 χ^2/NDF: 2280341596046

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:7542824218014884869177344.0/8

Right Out: -17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

Left In: -16.009+/-0.000 χ^2/NDF:58565.0/6

Left: 1.416+/-0.000 χ^2/NDF: 342908065028437716

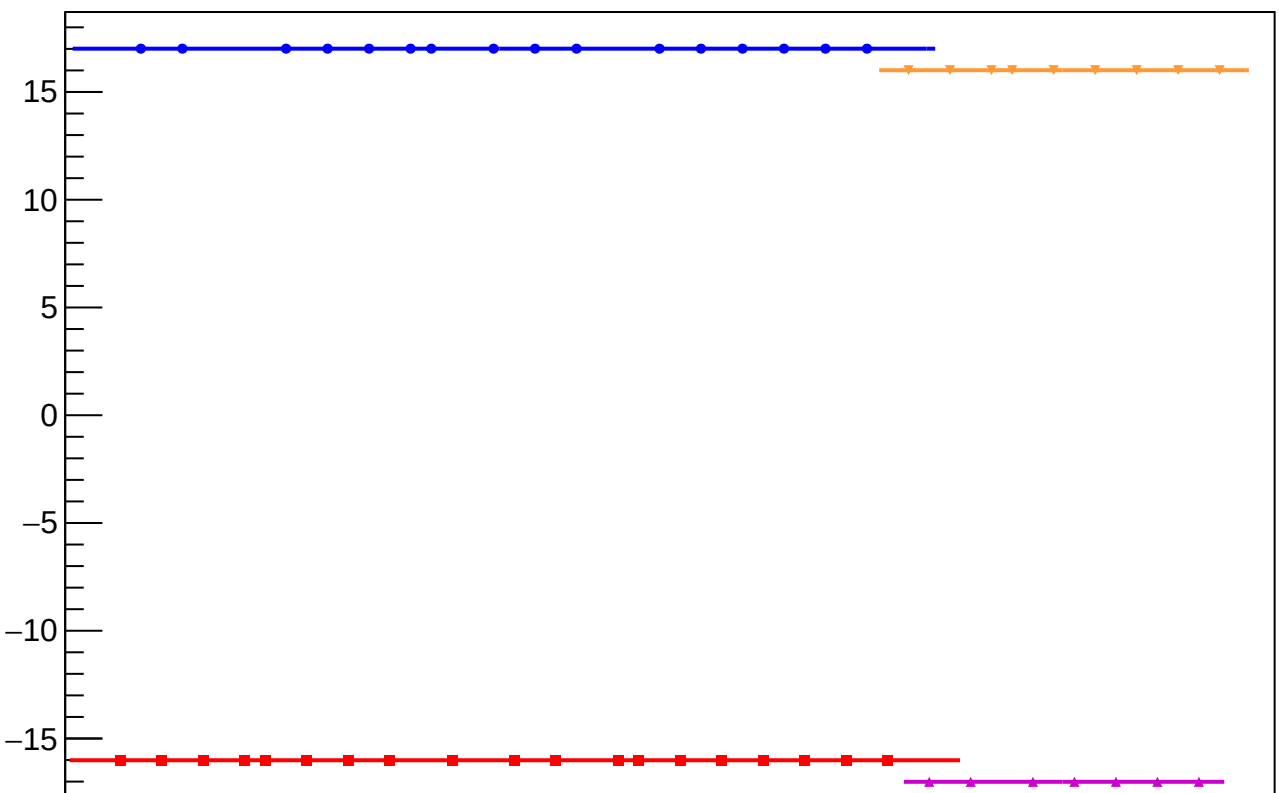
Right: -0.393+/-0.000 χ^2/NDF: 38020254772992161

In: 1.307+/-0.000 χ^2/NDF:330458879422910719

Out: -0.338+/-0.000 χ^2/NDF:39302289930087042

All: 0.466+/-0.000 χ^2/NDF: 72527911049382

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:43986.9/8

Right Out: -16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: -17.009+/-0.000 χ^2/NDF:10488.7/6

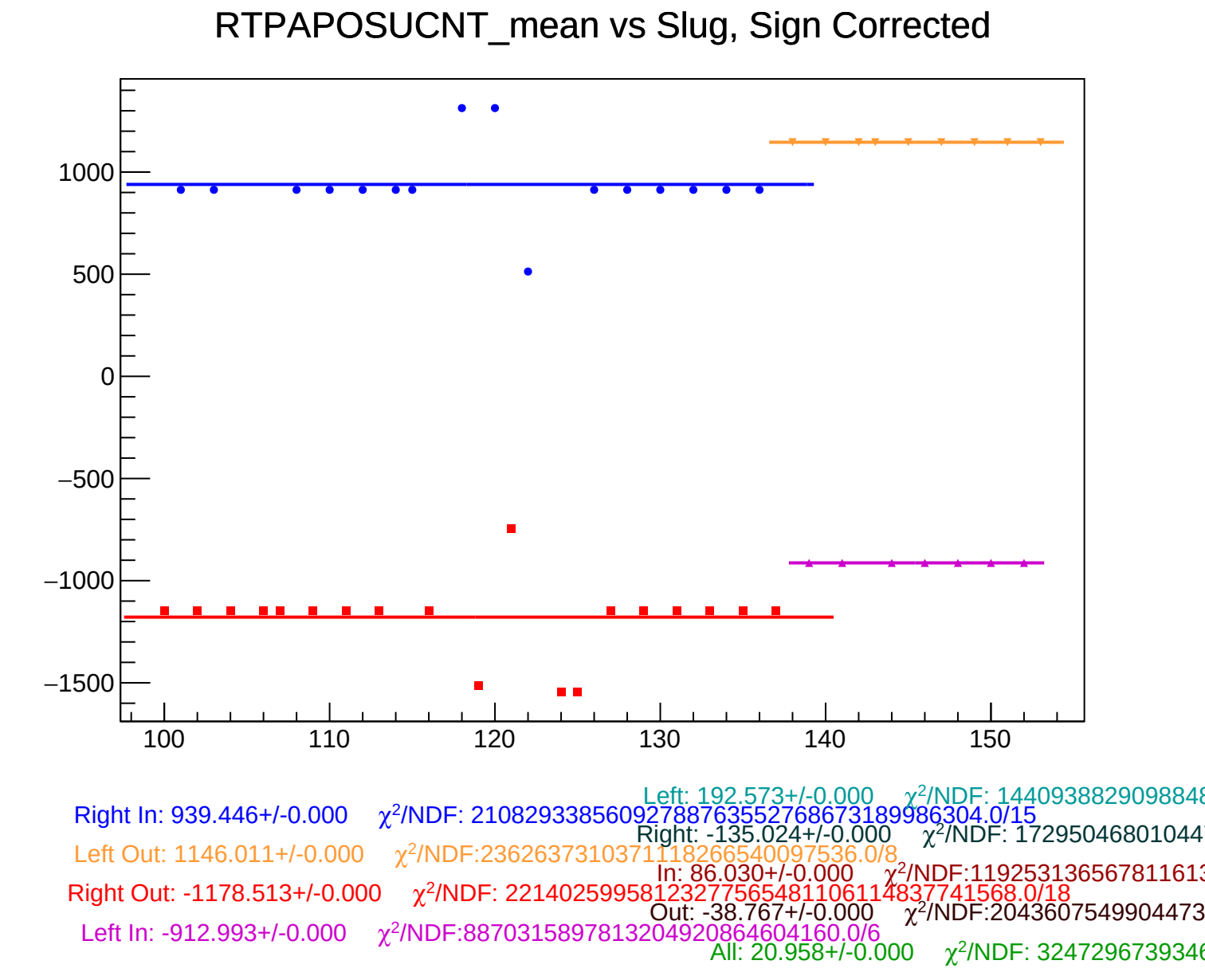
Left: 0.618+/-0.000 χ^2/NDF: 368436970565773241

Right: -0.086+/-0.000 χ^2/NDF: 39906944354741345

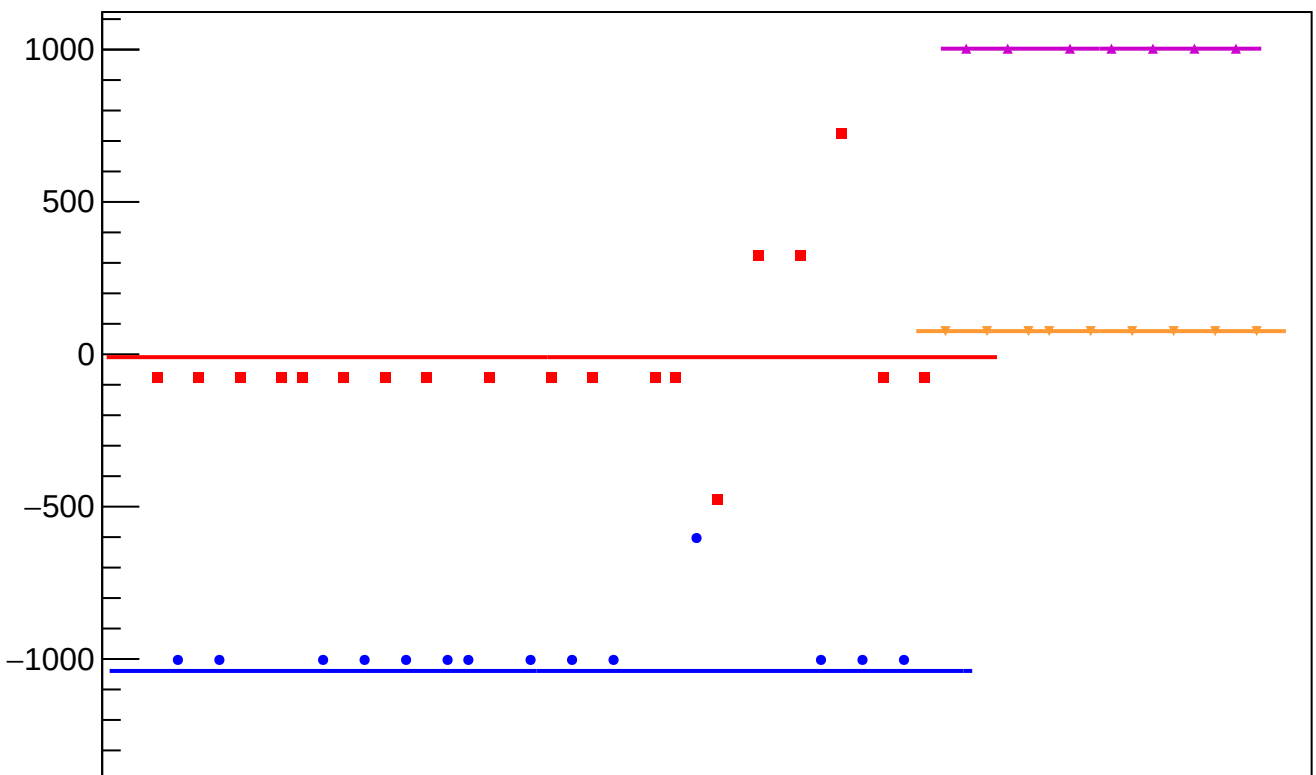
In: 0.939+/-0.000 χ^2/NDF:3865049219105348800

Out: -0.367+/-0.000 χ^2/NDF:38014967887874362

All: 0.253+/-0.000 χ^2/NDF: 76785586086579


RTPAPOSUCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
Right In: 939.446+/-0.000 χ²/NDF: 21082933856092788763552768673189986304.0/15
Left Out: 1146.011+/-0.000 χ²/NDF:2362637310371118266540097536.0/8
Right Out: -1178.513+/-0.000 χ²/NDF: 22140259958123277565481106114837741568.0/18
Left In: -912.993+/-0.000 χ²/NDF:887031589781320492086460416 0.0/6
Left: 192.573+/-0.000 χ²/NDF: 1440938829098848
Right: -135.024+/-0.000 χ²/NDF: 17295046801044
In: 86.030+/-0.000 χ²/NDF:119253136567811613
Out: -38.767+/-0.000 χ²/NDF:2043607549904473
All: 20.958+/-0.000 χ²/NDF: 3247296739346

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Left: 505.255+/-0.000 χ^2/NDF: 2920593380120429

Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911104.0/15

Right: -516.762+/-0.000 χ^2/NDF: 46752928412988

Left Out: 76.010+/-0.000 χ^2/NDF:2842920180082777870605221888.0/8

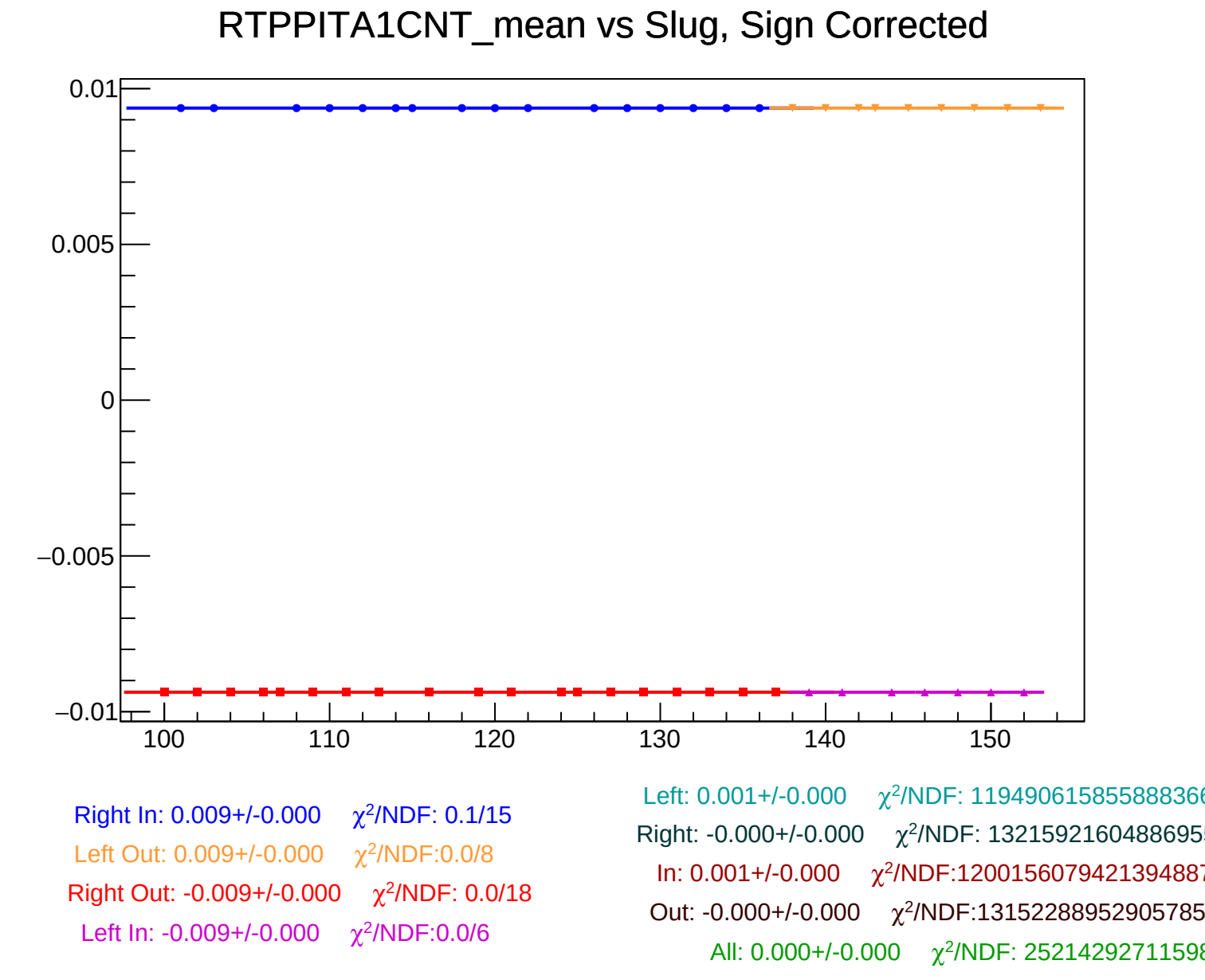
In: -98.343+/-0.000 χ^2/NDF:14465386556116605

Right Out: -9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515409920/18

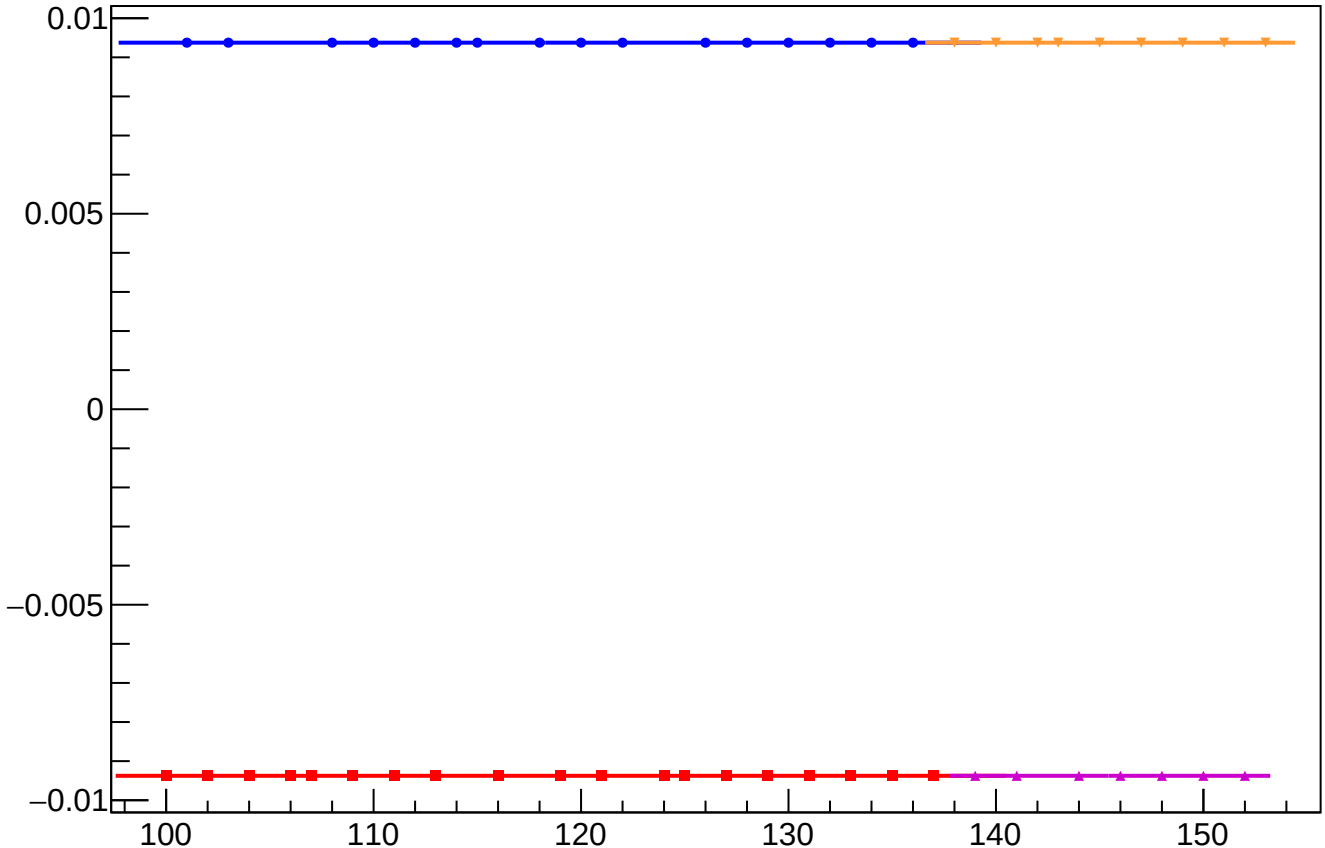
Out: 32.463+/-0.000 χ^2/NDF:48788408502348623

Left In: 1002.989+/-0.000 χ^2/NDF:120312607177400793383410073 6.0/6

All: -30.138+/-0.000 χ^2/NDF: 150758524742


RTPPITA1CNT_mean vs Slug, Sign Corrected
0.01
0.005
0
−0.005
−0.01
100
110
120
130
140
150
Right In: 0.009+/-0.000 χ²/NDF: 0.1/15
Left Out: 0.009+/-0.000 χ²/NDF:0.0/8
Right Out: -0.009+/-0.000 χ²/NDF: 0.0/18
Left In: -0.009+/-0.000 χ²/NDF:0.0/6
Left: 0.001+/-0.000 χ²/NDF: 119490615855888366
Right: -0.000+/-0.000 χ²/NDF: 1321592160488695
In: 0.001+/-0.000 χ²/NDF:1200156079421394887
Out: -0.000+/-0.000 χ²/NDF:13152288952905785
All: 0.000+/-0.000 χ²/NDF: 25214292711598

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:0.0/8

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.0/6

Left: 0.001+/-0.000 χ^2/NDF: 119490615855888366

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: 0.001+/-0.000 χ^2/NDF:1200156079421394887

Out: -0.000+/-0.000 χ^2/NDF:13152288952905785

All: 0.000+/-0.000 χ^2/NDF: 25214292711598